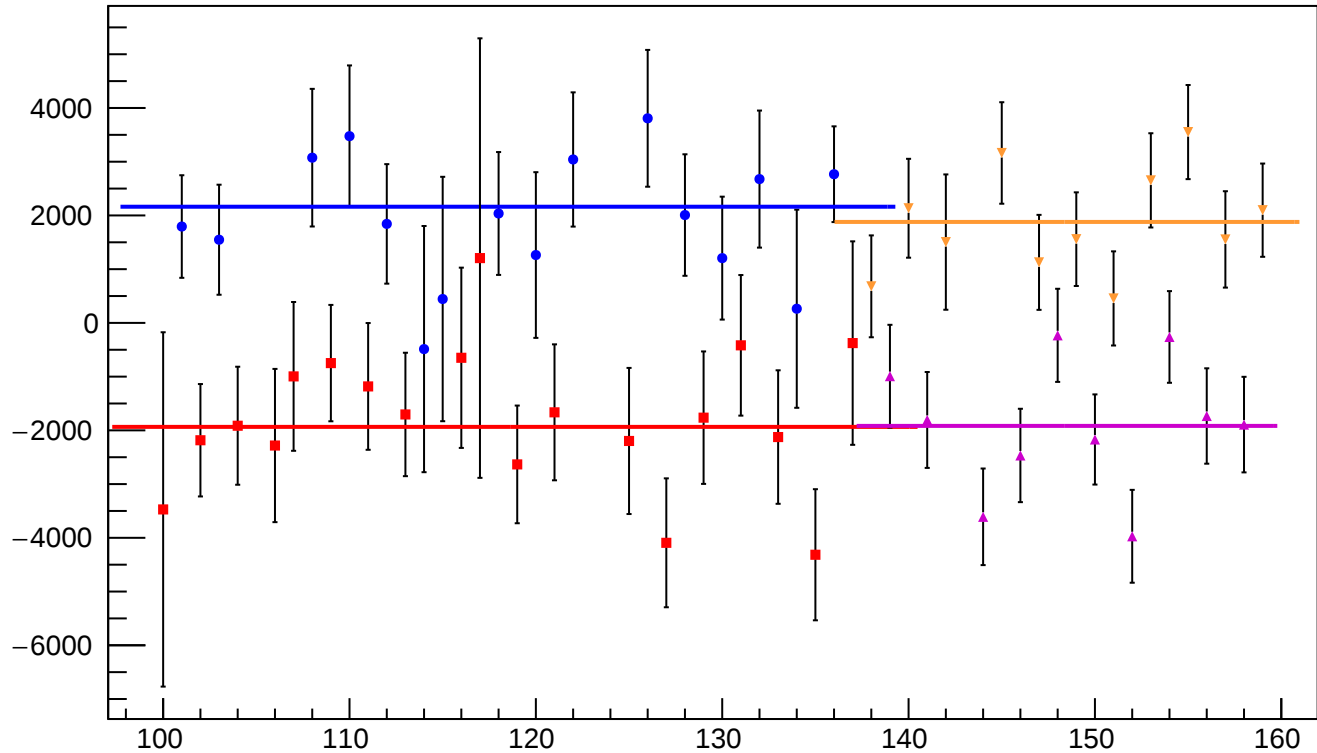


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

2005.646+/-205.377

χ^2/NDF : 21.1/26

Left Out: 1879.201+/-276.086

χ^2/NDF : 11.7/10

Right Out: -1935.183+/-299.773

χ^2/NDF : 13.2/18

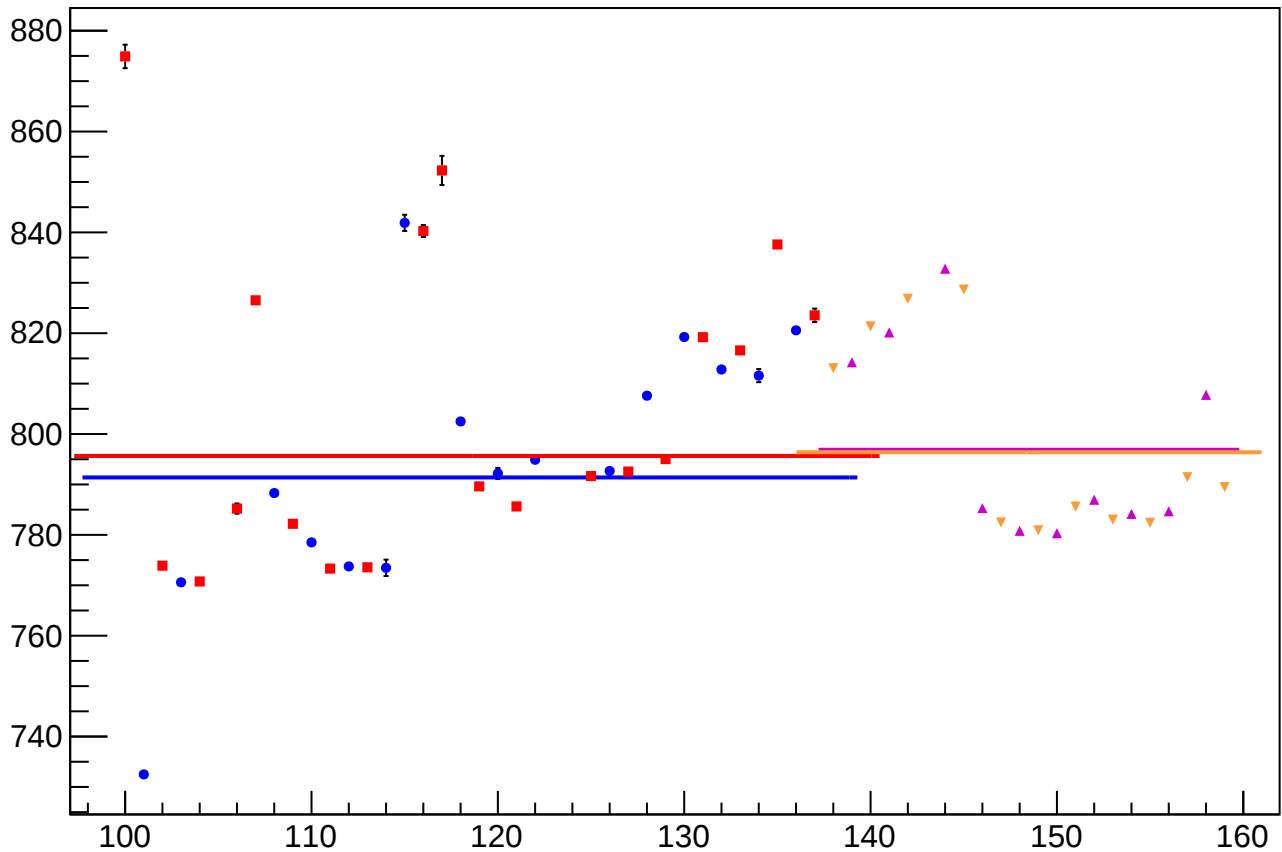
-1925.321+/-203.958

χ^2/NDF : 31.5/28

Left In: -1916.821+/-278.302

χ^2/NDF : 18.2/9

reg_asym_us_avg_rms vs Slug



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

Left Out: 796.395+/-0.195 χ^2/NDF : 8184.9/10

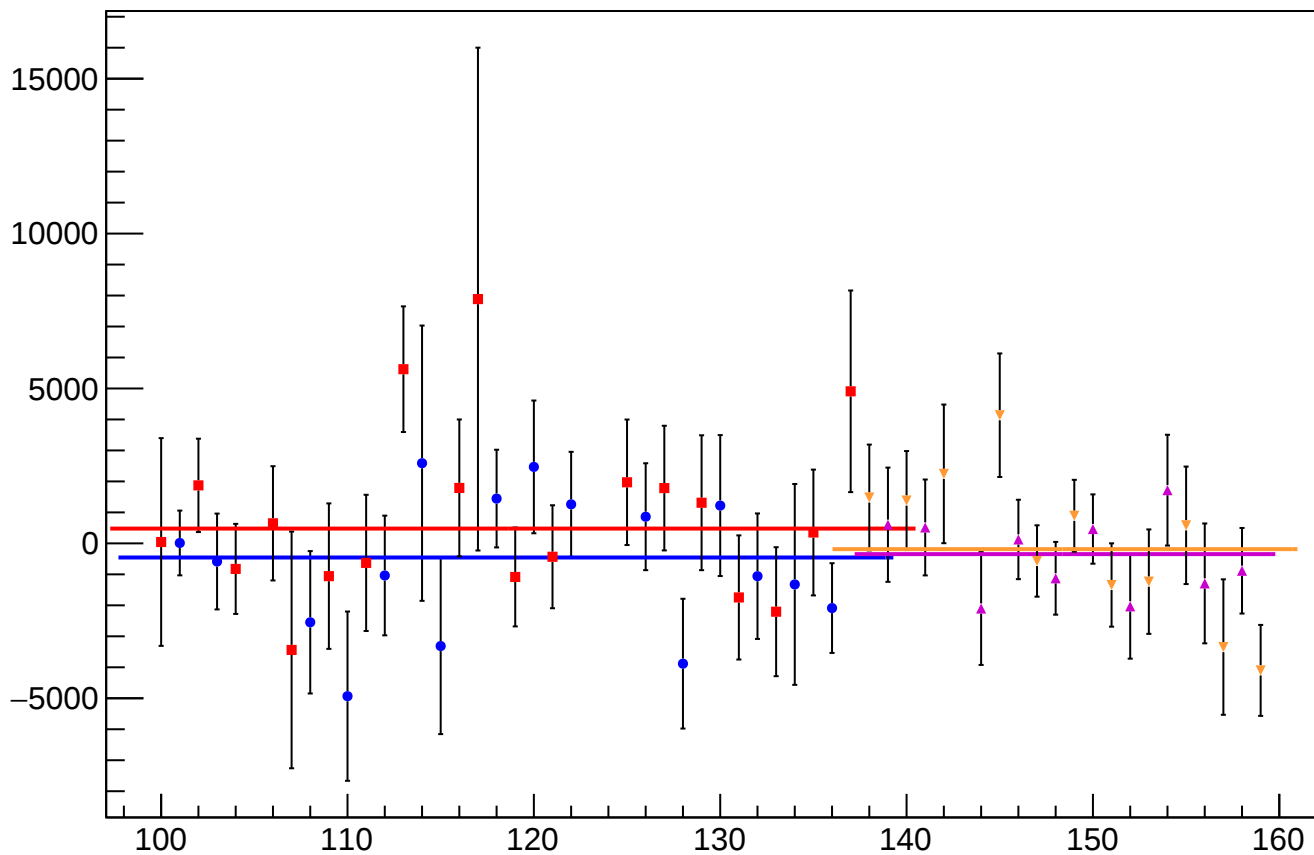
Right Out: 795.650+/-0.212 χ^2/NDF : 11945.4/18

Left In: 796.882+/-0.197 χ^2/NDF : 8419.8/9

794.160+/-0.145 χ^2/NDF : 23486.7/26

796.312+/-0.144 χ^2/NDF : 20383.3/28

asym_us_avg_correction_mean vs Slug



Right In: -455.675 ± 464.232 $\chi^2/\text{NDF}: 14.9/15$

Left Out: -186.128 ± 469.363 $\chi^2/\text{NDF}: 19.3/10$

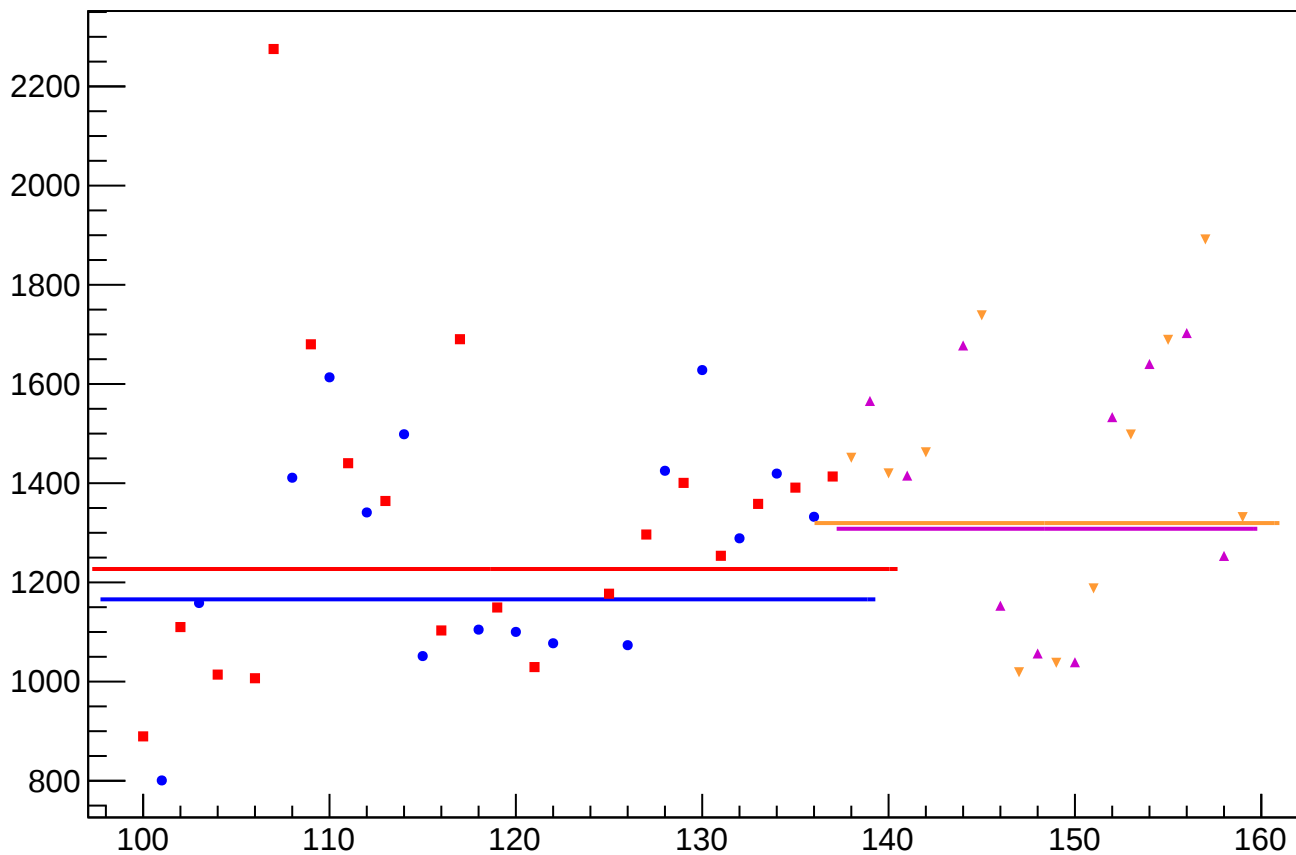
Right Out: 477.782 ± 471.960 $\chi^2/\text{NDF}: 18.2/18$

Left In: -347.026 ± 466.260 $\chi^2/\text{NDF}: 5.3/9$

-322.383 ± 330.061 $\chi^2/\text{NDF}: 34.3/26$

60.367 ± 331.693 $\chi^2/\text{NDF}: 25.0/28$

asym_us_avg_correction_rms vs Slug



Right In: 1165.812+/-0.328 χ^2/NDF : 526801.3/15

Left Out: 1319.618+/-0.332 χ^2/NDF : 625084.8/10

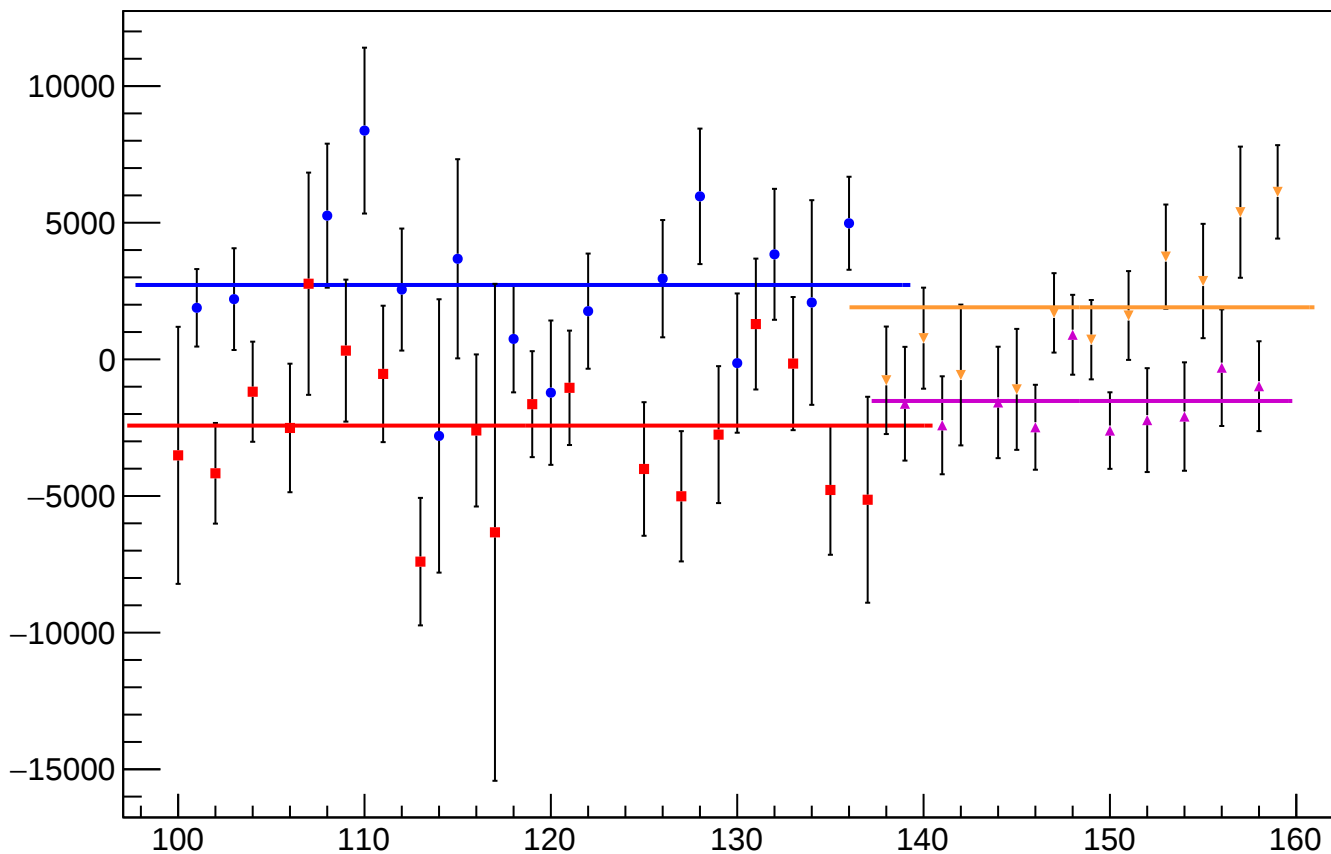
Right Out: 1227.021+/-0.334 χ^2/NDF : 446961.2/18

Left In: 1308.114+/-0.330 χ^2/NDF : 558530.7/9

1241.870+/-0.233 χ^2/NDF : 1260448.2/26

1268.060+/-0.235 χ^2/NDF : 1035373.8/28

asym_us_avg_mean vs Slug



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

Left Out: 1905.132+/-554.516 χ^2/NDF : 15.1/10

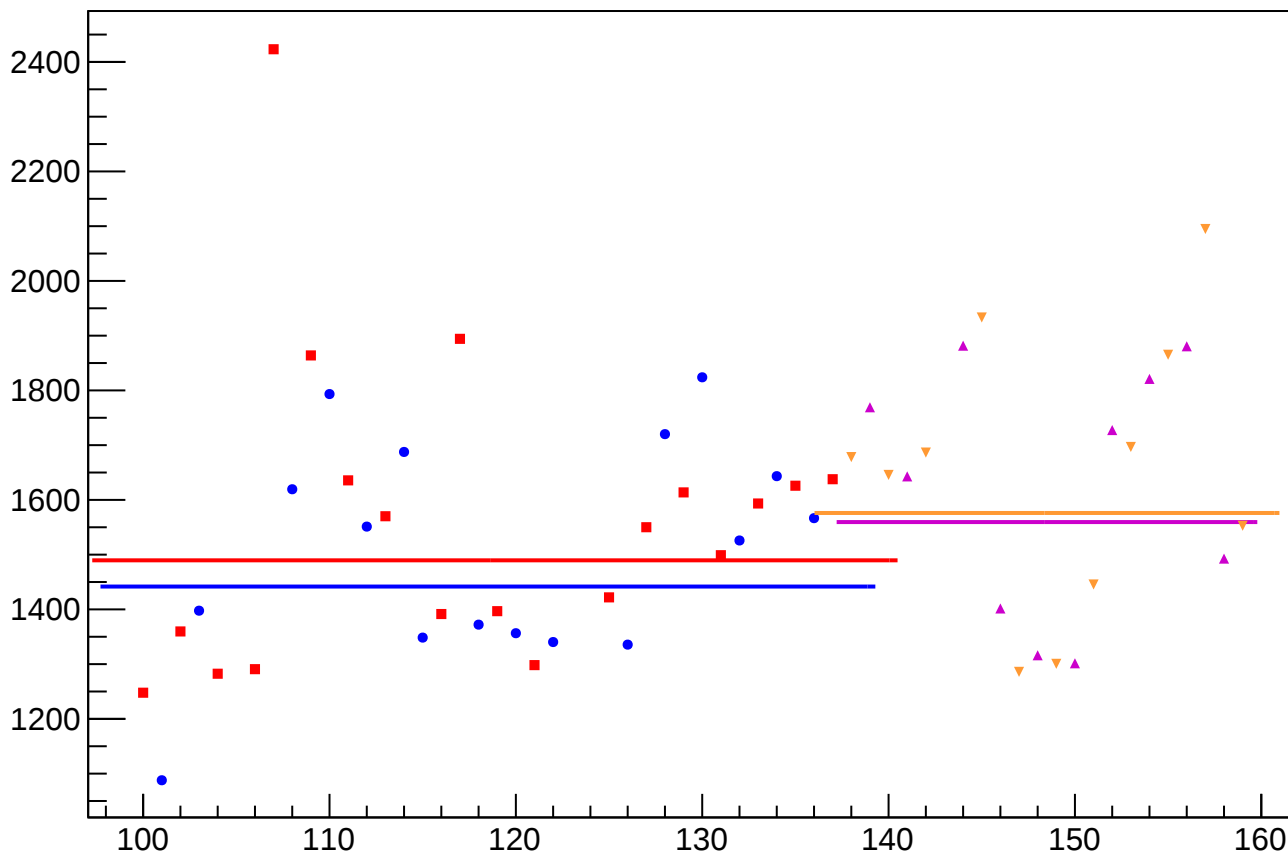
Right Out: -2423.739+/-567.866 χ^2/NDF : 16.5/18

Left In: -1522.830+/-550.918 χ^2/NDF : 4.6/9

2304.515+/-396.495 χ^2/NDF : 30.7/26

-1959.640+/-395.414 χ^2/NDF : 22.4/28

asym_us_avg_rms vs Slug



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

Left Out: 1576.112+/-0.392 χ^2/NDF : 368688.5/10

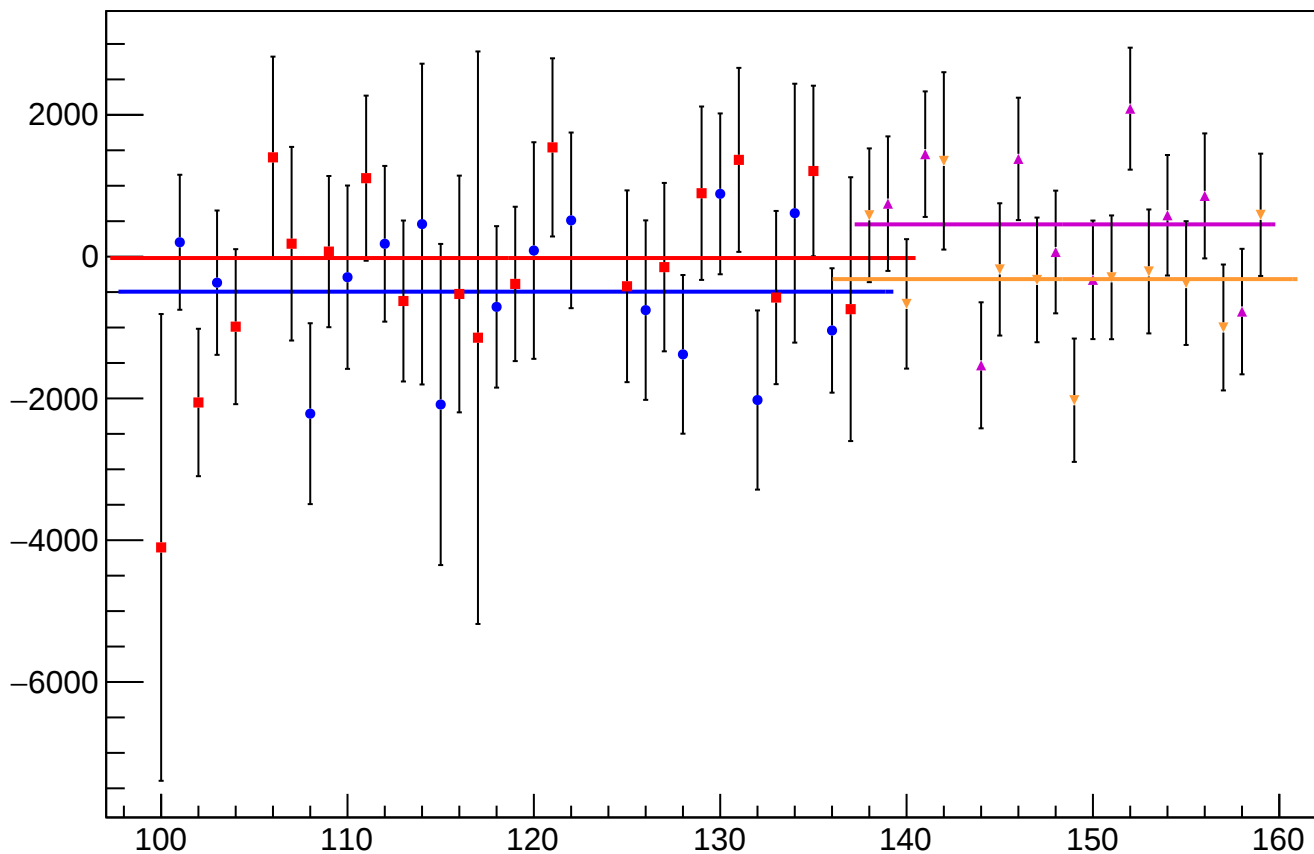
Right Out: 1489.610+/-0.402 χ^2/NDF : 260116.0/18

Left In: 1559.500+/-0.390 χ^2/NDF : 317457.5/9

1510.430+/-0.280 χ^2/NDF : 702005.9/26

1525.613+/-0.280 χ^2/NDF : 593179.7/28

reg_asym_us_dd_mean vs Slug



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

Left Out: -317.057 ± 274.501 χ^2/NDF : 8.4/10

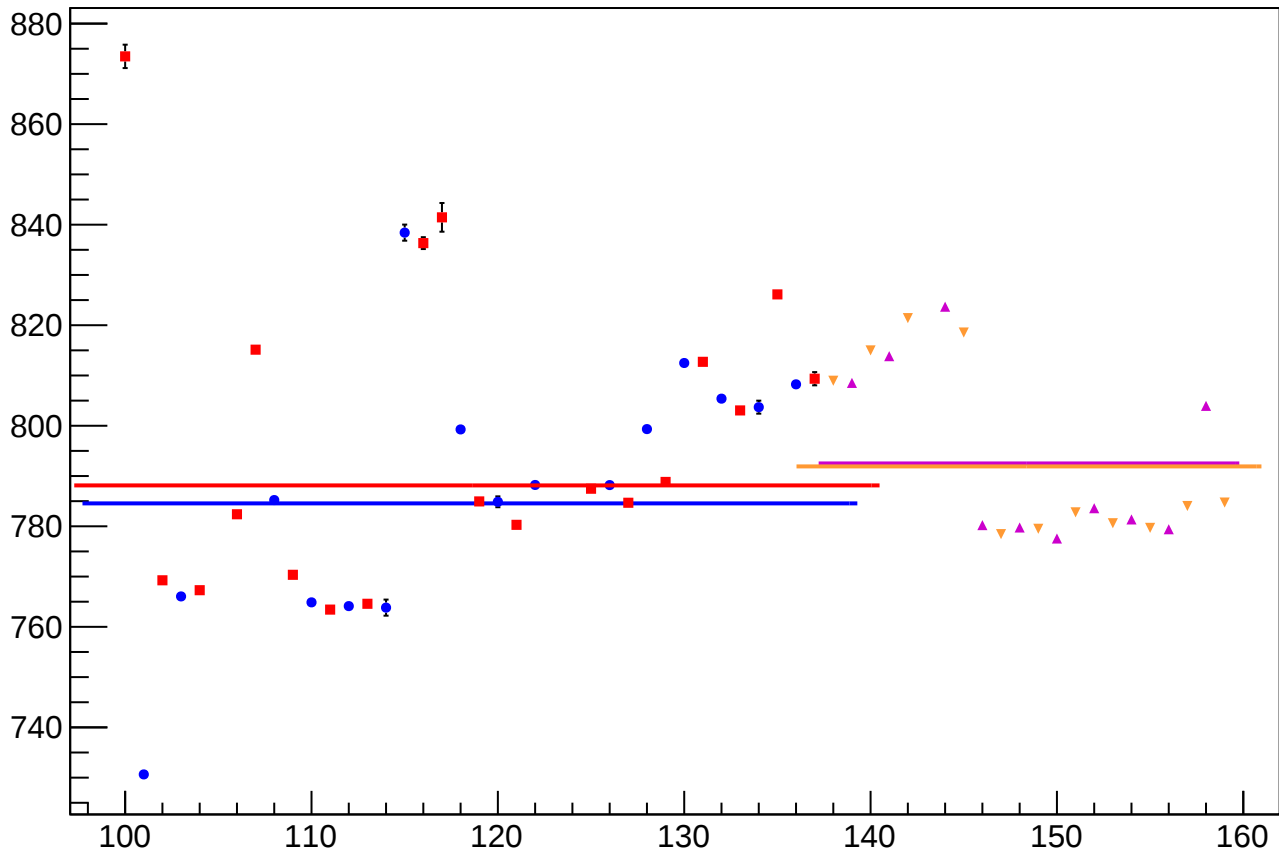
Right Out: -19.622 ± 296.930 χ^2/NDF : 13.4/18

Left In: 455.247 ± 276.754 χ^2/NDF : 14.3/9

-396.444 ± 203.928 χ^2/NDF : 17.3/26

234.493 ± 202.452 χ^2/NDF : 29.1/28

reg_asym_us_dd_rms vs Slug



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

Left Out: 791.912 ± 0.194 χ^2/NDF : 6790.7/10

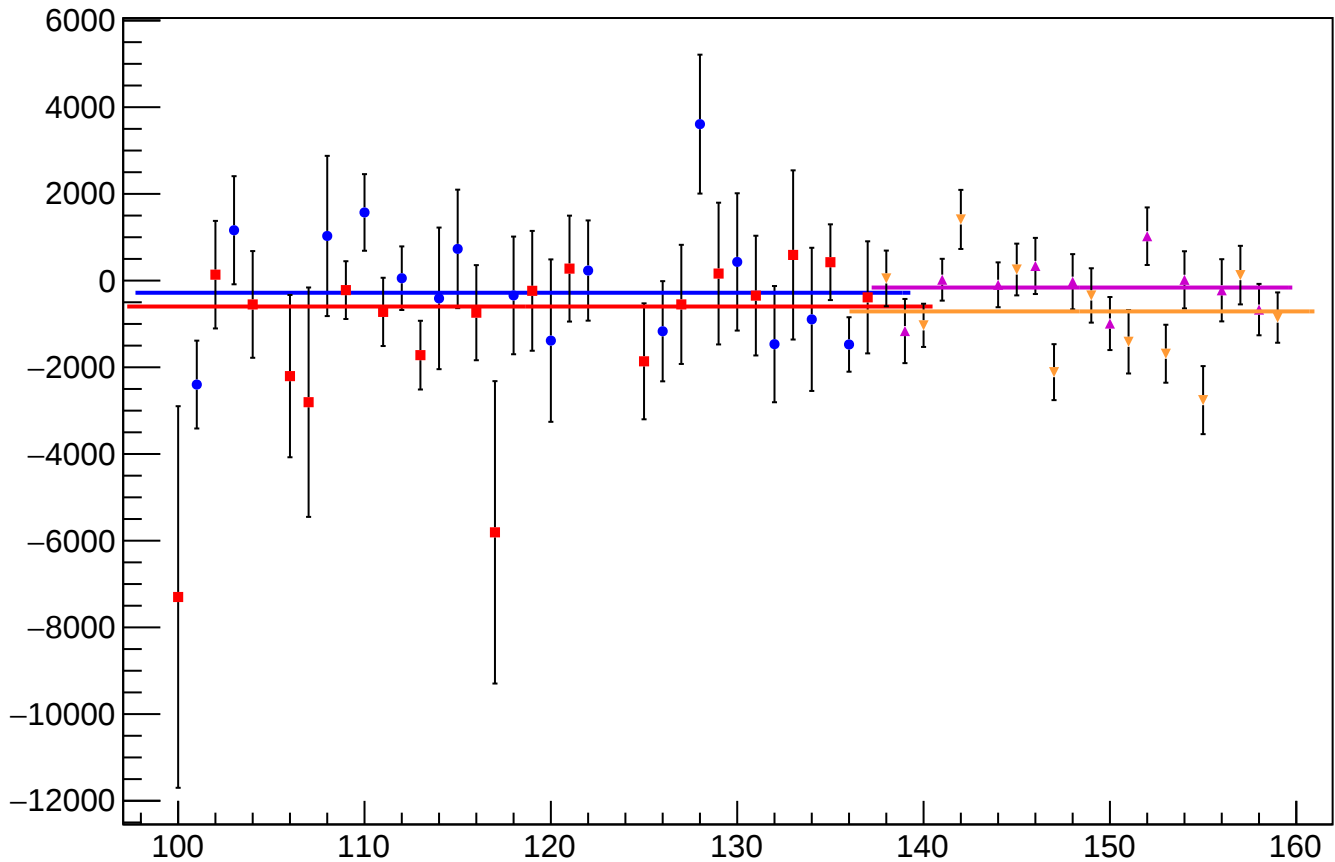
Right Out: 788.134 ± 0.210 χ^2/NDF : 11259.7/18

Left In: 792.502 ± 0.196 χ^2/NDF : 7001.0/9

788.617 ± 0.144 χ^2/NDF : 21111.8/26

790.472 ± 0.143 χ^2/NDF : 18492.3/28

asym_us_dd_correction_mean vs Slug



Right In: -280.632 ± 282.501 $\chi^2/\text{NDF}: 23.1/15$

Left Out: -710.790 ± 191.604 $\chi^2/\text{NDF}: 30.6/10$

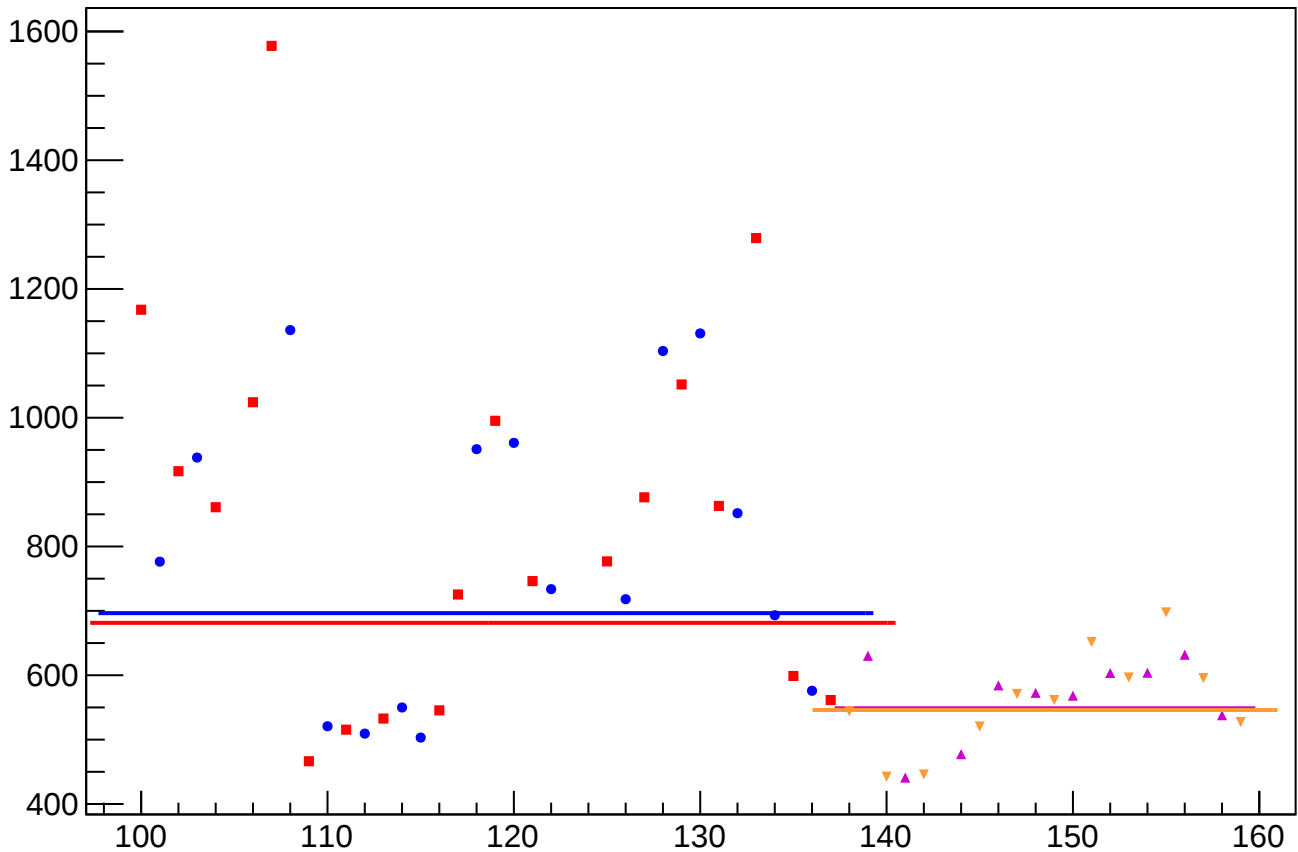
Right Out: -598.108 ± 272.052 $\chi^2/\text{NDF}: 12.2/18$

Left In: -160.307 ± 193.395 $\chi^2/\text{NDF}: 8.5/9$

-575.258 ± 158.572 $\chi^2/\text{NDF}: 55.3/26$

-307.276 ± 157.626 $\chi^2/\text{NDF}: 22.4/28$

asym_us_dd_correction_rms vs Slug



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

Left Out: 545.976 ± 0.135 χ^2/NDF : 277810.4/10

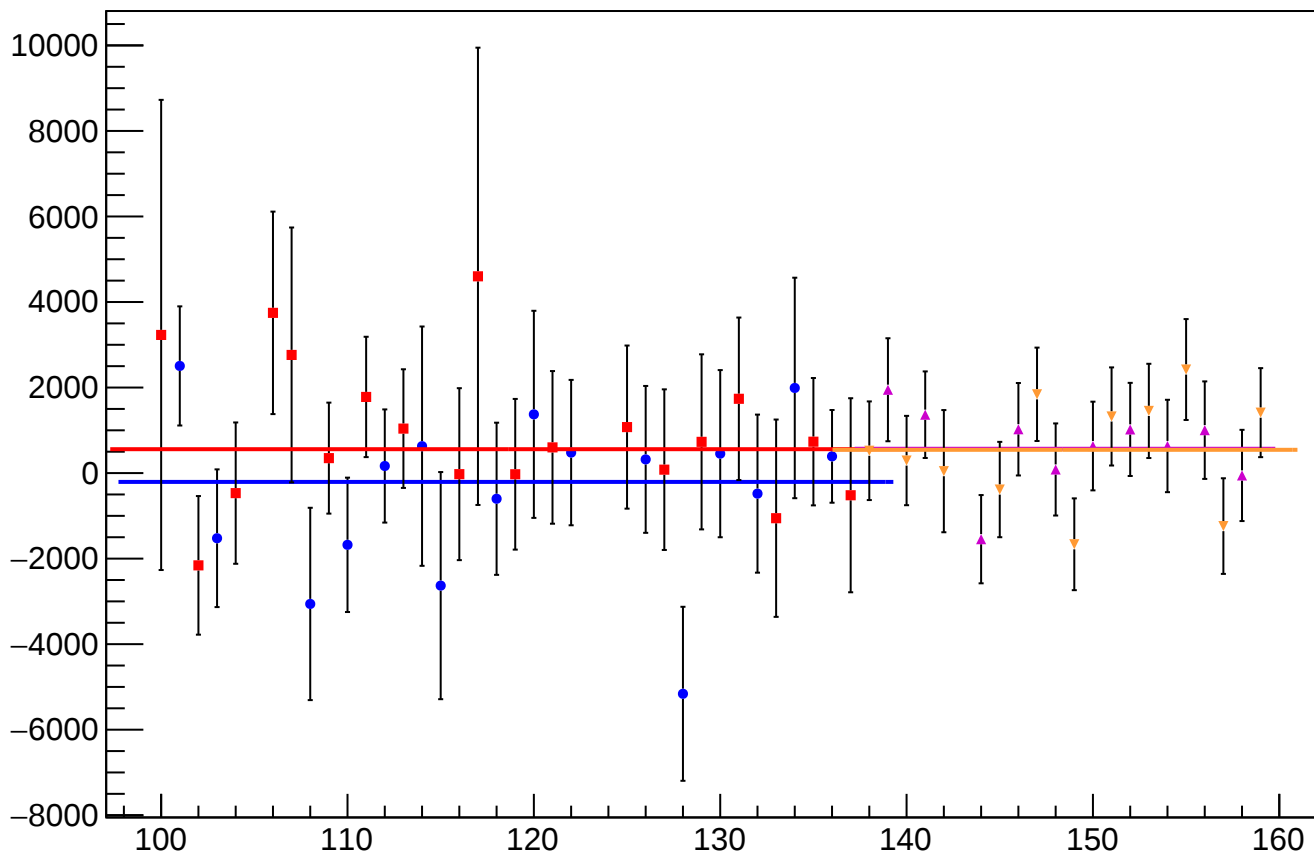
593.391 ± 0.112 χ^2/NDF : 1626007.2/26

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

593.221 ± 0.111 χ^2/NDF : 1897105.6/28

Left In: 548.662 ± 0.137 χ^2/NDF : 227963.0/9

asym_us_dd_mean vs Slug



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

Left Out: 544.230 ± 339.104 χ^2/NDF : 13.4/10

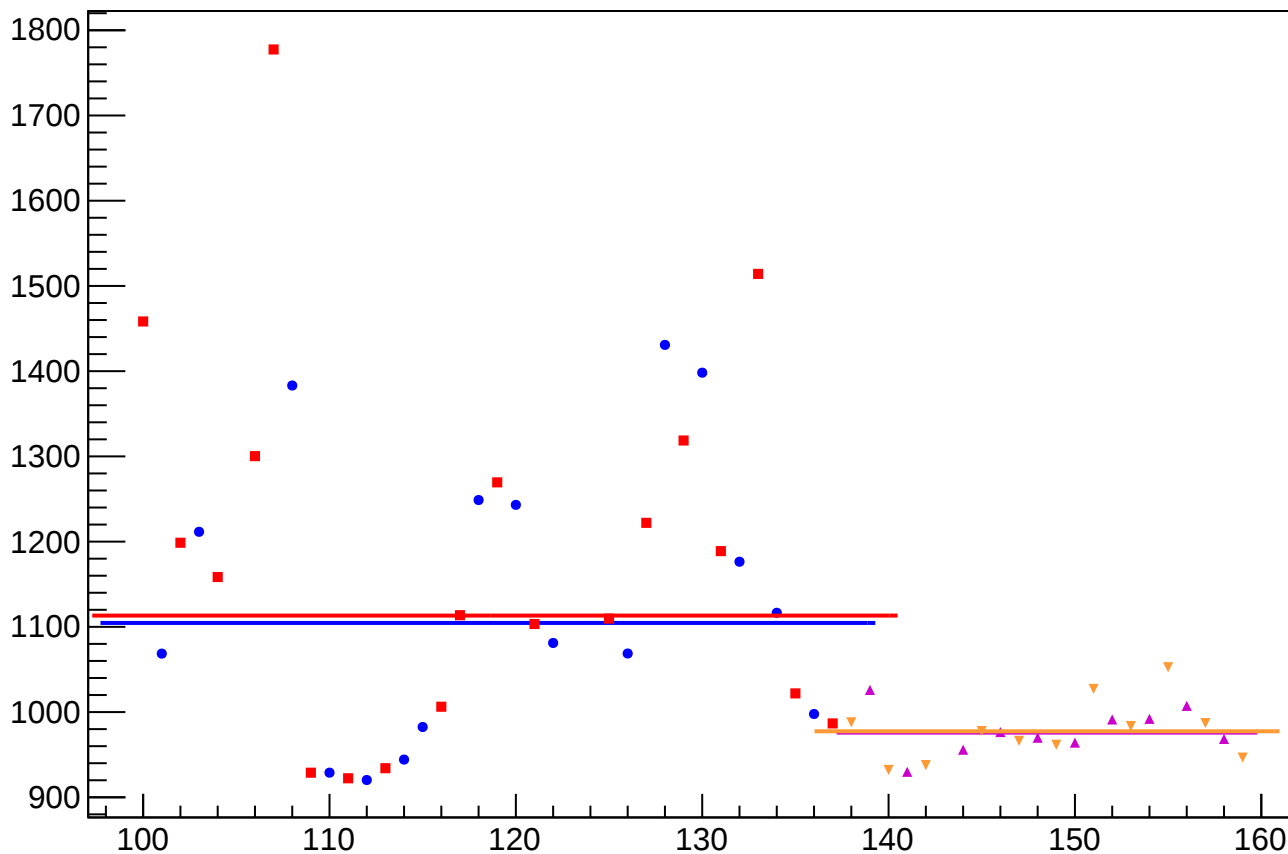
Right Out: 558.638 ± 425.771 χ^2/NDF : 8.7/18

Left In: 568.609 ± 340.937 χ^2/NDF : 7.2/9

259.506 ± 267.157 χ^2/NDF : 31.1/26

564.714 ± 266.129 χ^2/NDF : 15.9/28

asym_us_dd_rms vs Slug



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

Left Out: 977.471 $\pm$ 0.240 χ^2 /NDF: 19974.4/10

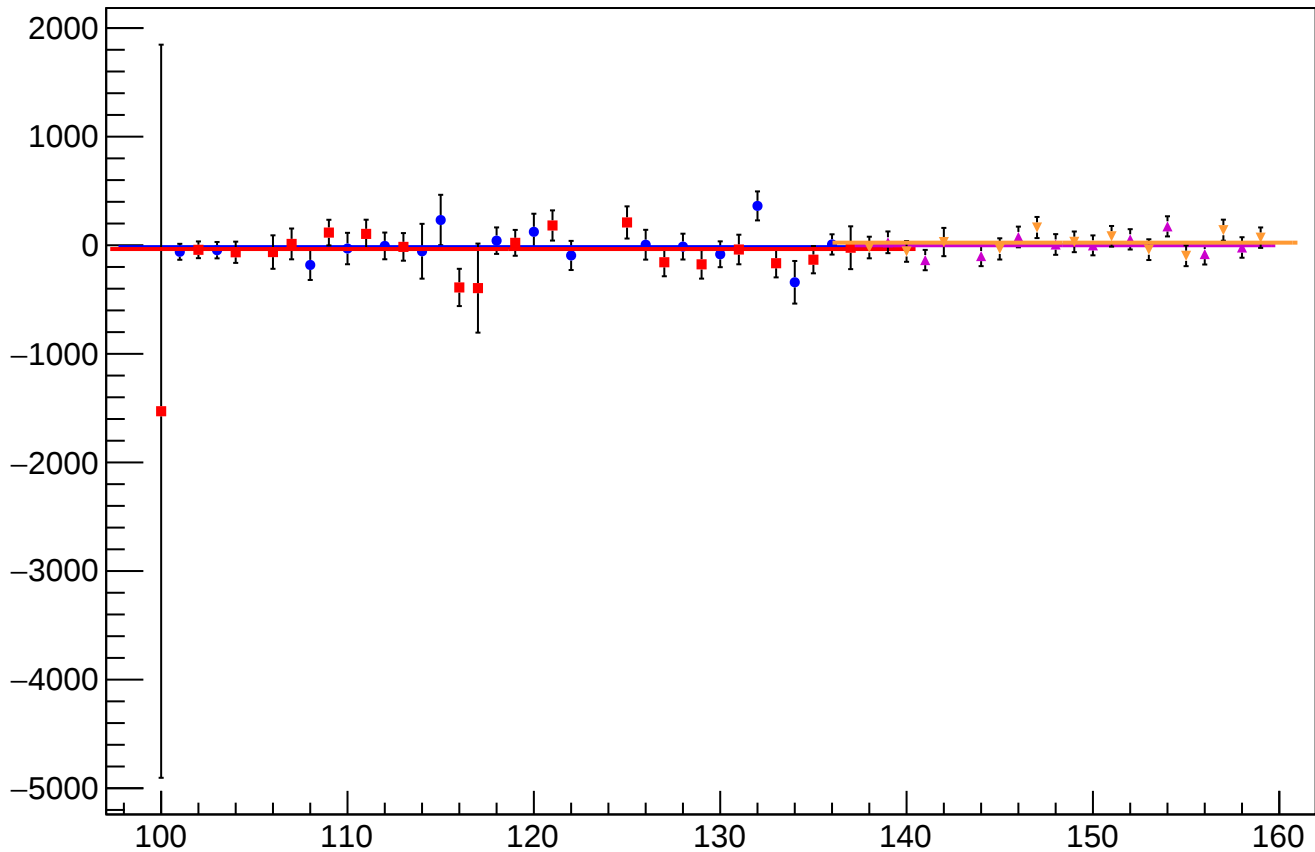
Right Out: 1113.218 $\pm$ 0.301 χ^2 /NDF: 362982.2/18

Left In: 975.889 $\pm$ 0.241 χ^2 /NDF: 11127.6/9

1025.692 $\pm$ 0.189 χ^2 /NDF: 382081.0/26

1029.542 $\pm$ 0.188 χ^2 /NDF: 500886.4/28

reg_asym_ds_avg_mean vs Slug



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

Left Out: 23.917 ± 29.620 χ^2/NDF : 7.4/10

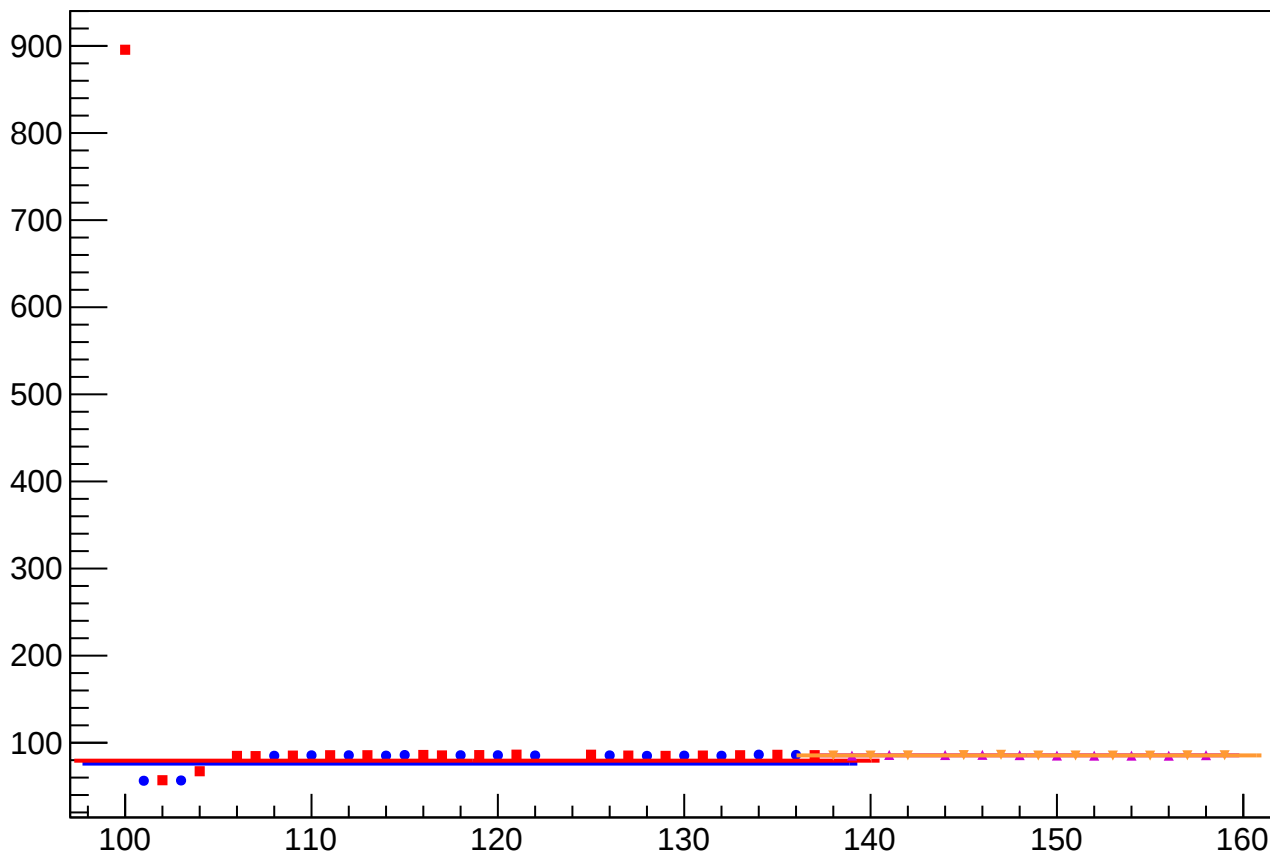
Right Out: -34.875 ± 30.363 χ^2/NDF : 17.3/18

Left In: 0.033 ± 29.886 χ^2/NDF : 8.6/9

3.594 ± 21.073 χ^2/NDF : 23.9/26

-17.145 ± 21.299 χ^2/NDF : 26.6/28

reg_asym_ds_avg_rms vs Slug



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

Left Out: 85.471+/-0.021 χ^2/NDF :171.6/10

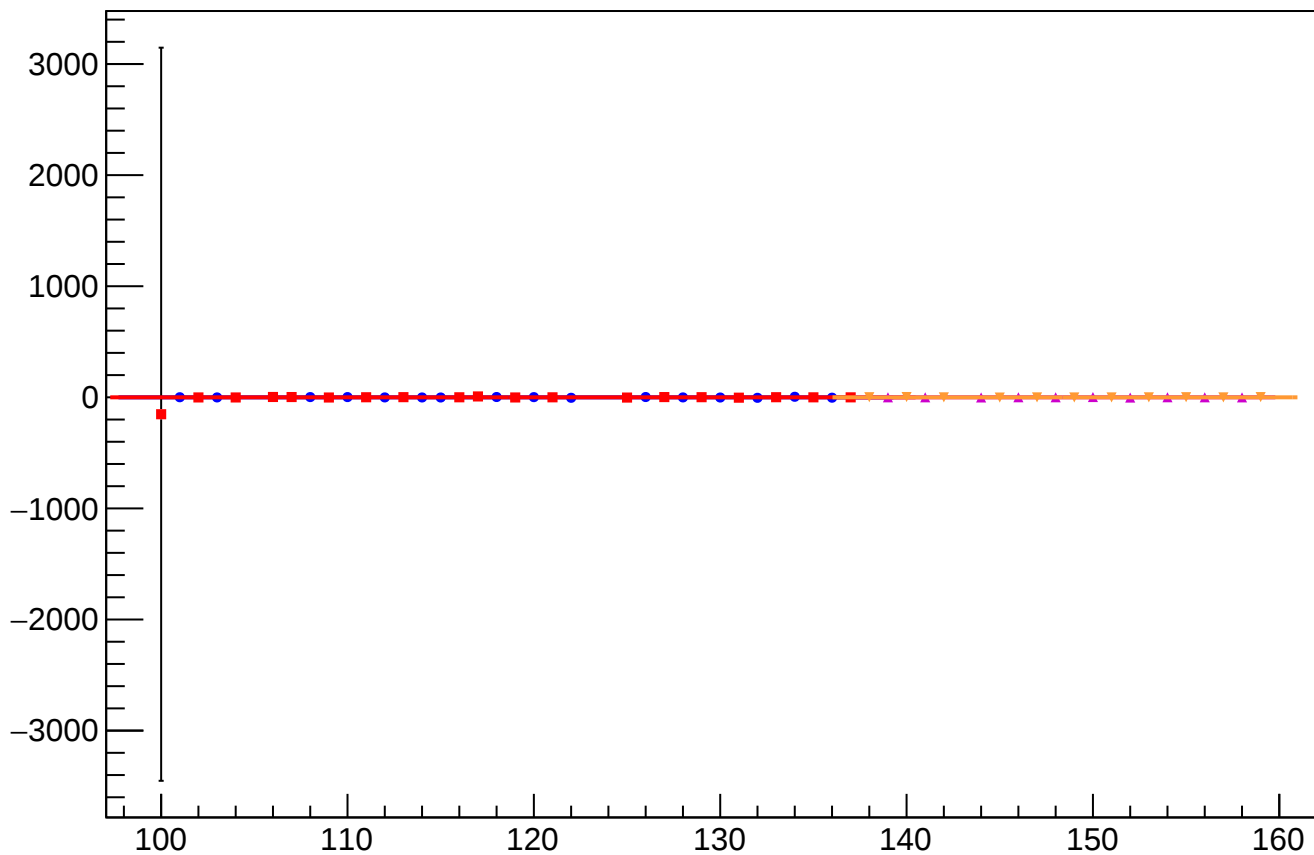
Right Out: 79.423+/-0.021 χ^2/NDF : 378959.4/18

Left In: 85.596+/-0.021 χ^2/NDF :295.8/9

80.833+/-0.015 χ^2/NDF : 508628.7/26

82.558+/-0.015 χ^2/NDF : 421243.2/28

asym_ds_avg_correction_mean vs Slug



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

Left Out: -0.100+/-0.494 χ^2 /NDF: 6.9/10

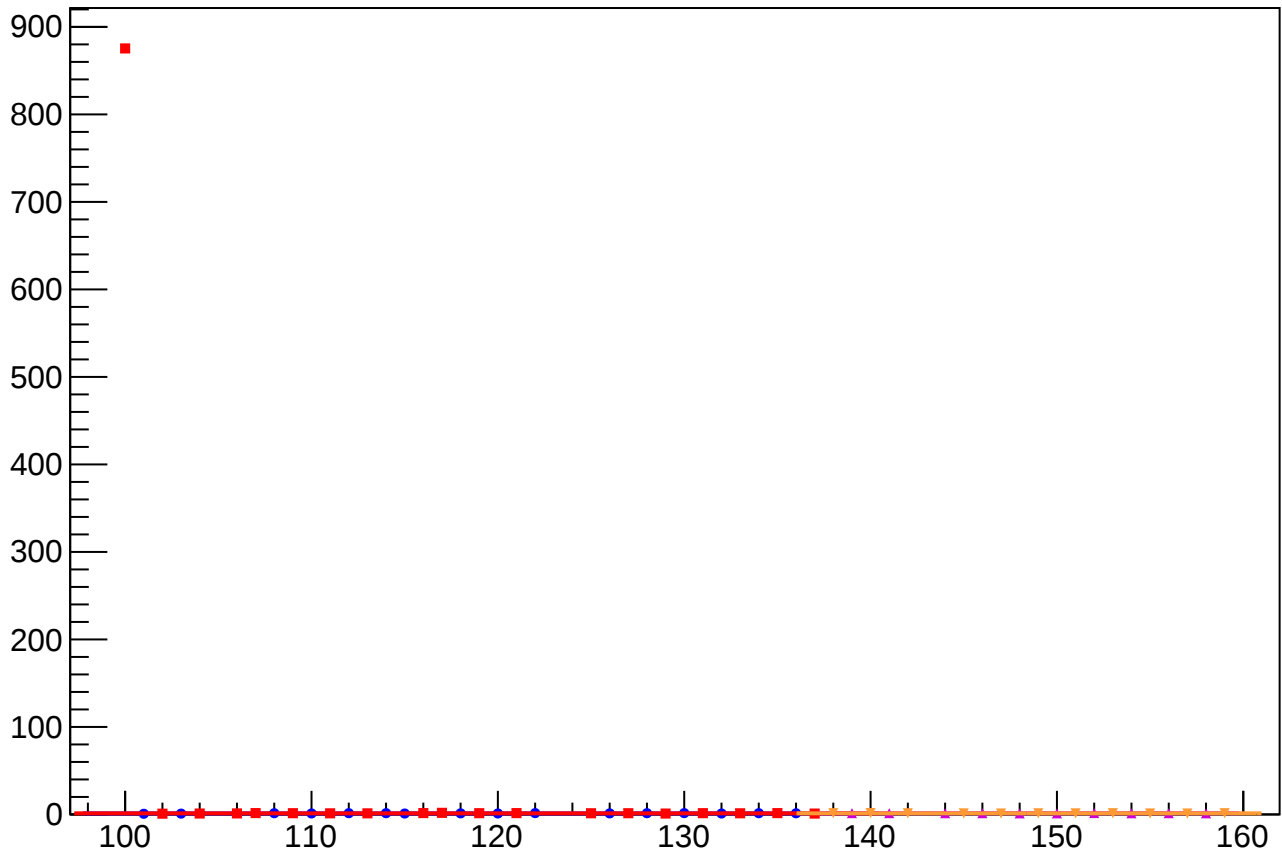
Right Out: -0.051+/-0.520 χ^2 /NDF: 9.8/18

Left In: 0.275+/-0.531 χ^2 /NDF: 5.0/9

-0.189+/-0.352 χ^2 /NDF: 28.1/26

0.108+/-0.372 χ^2 /NDF: 15.0/28

asym_ds_avg_correction_rms vs Slug



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

Left Out: 1.284 $\pm$ 0.000 χ^2 /NDF:186357.4/10

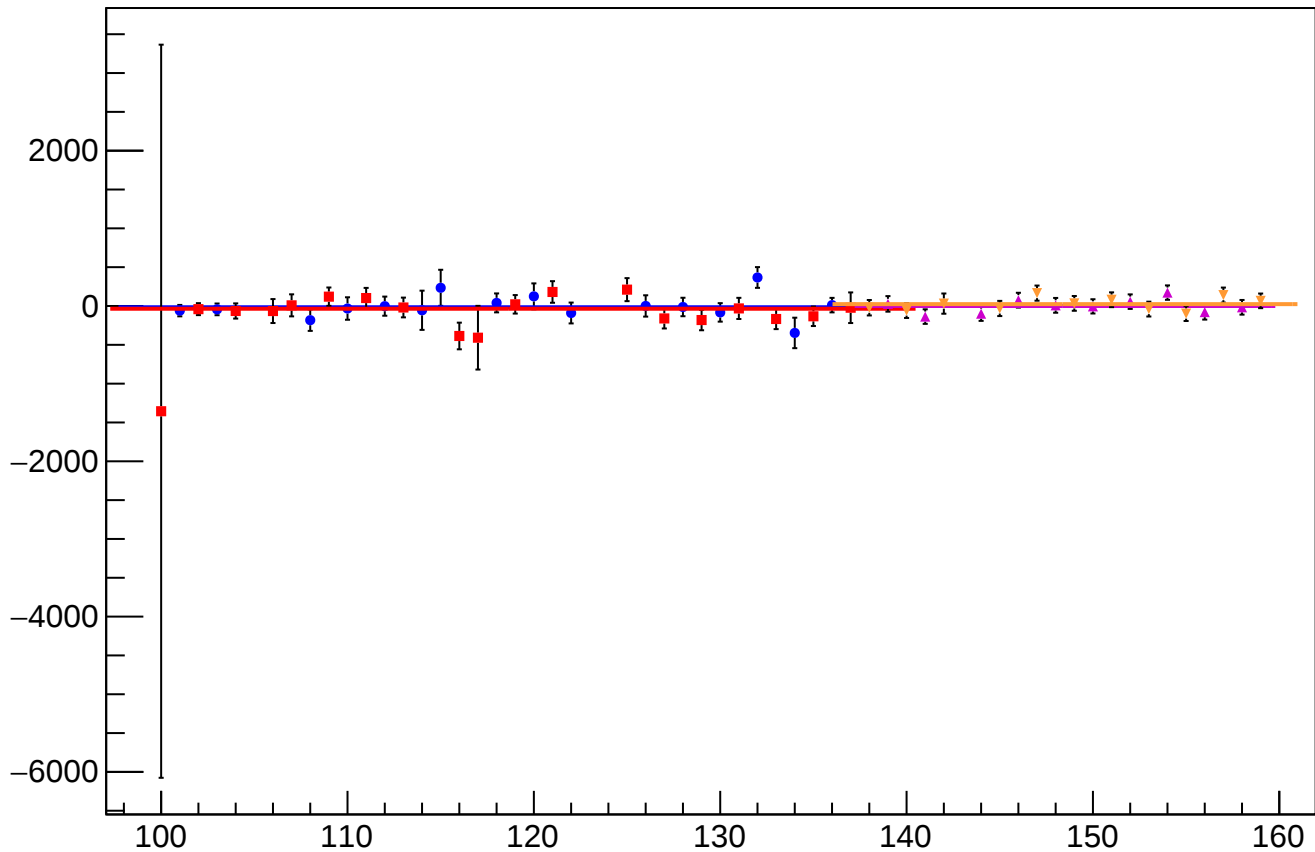
Right Out: 1.249 $\pm$ 0.000 χ^2 /NDF: 526097.8/18

Left In: 1.406 $\pm$ 0.000 χ^2 /NDF:79620.5/9

1.219 $\pm$ 0.000 χ^2 /NDF: 770678.0/26

1.326 $\pm$ 0.000 χ^2 /NDF: 694964.6/28

asym_ds_avg_mean vs Slug



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

Left Out: 23.933 ± 29.628 χ^2/NDF : 7.5/10

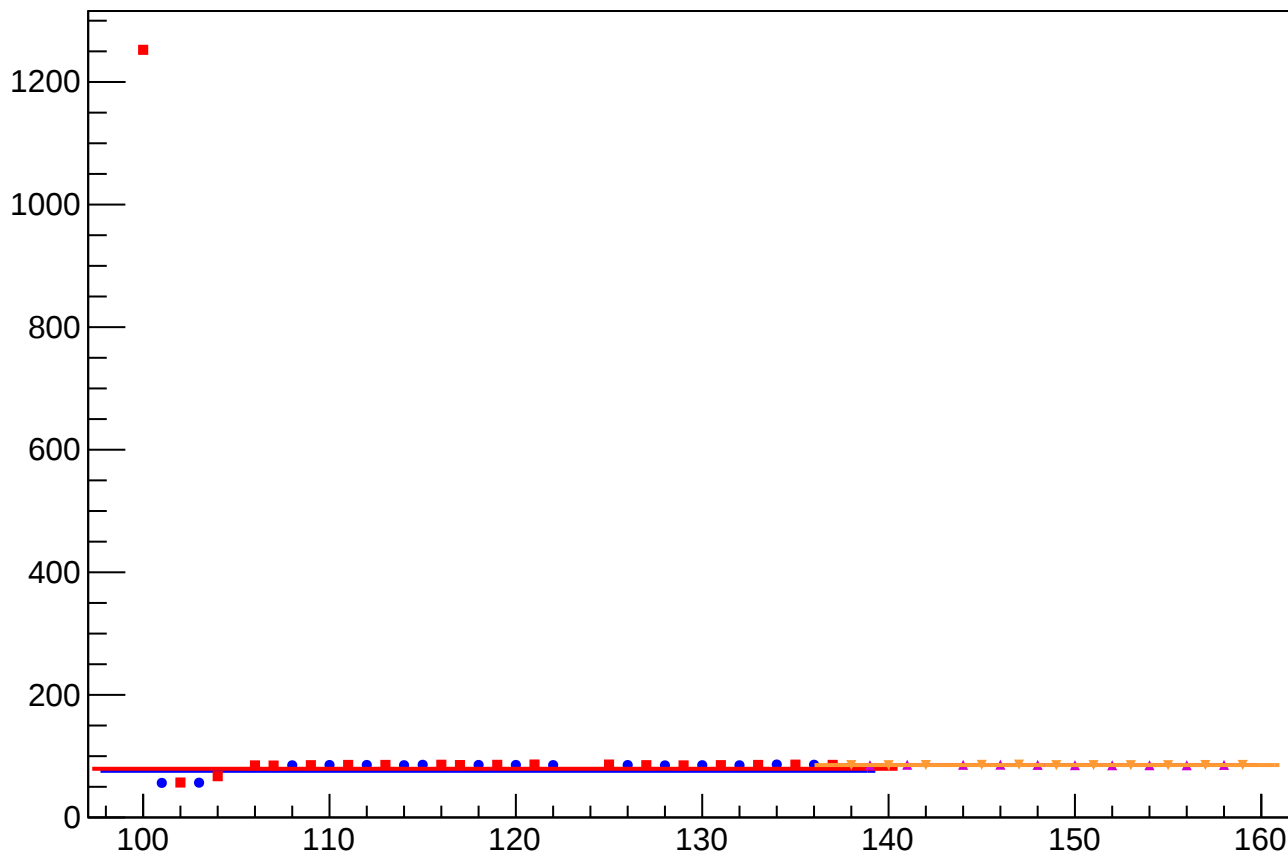
Right Out: -35.172 ± 30.371 χ^2/NDF : 17.4/18

Left In: 0.334 ± 29.894 χ^2/NDF : 8.5/9

4.059 ± 21.079 χ^2/NDF : 24.3/26

-17.138 ± 21.305 χ^2/NDF : 26.5/28

asym_ds_avg_rms vs Slug



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

Left Out: 85.493+/-0.021 χ^2/NDF : 171.8/10

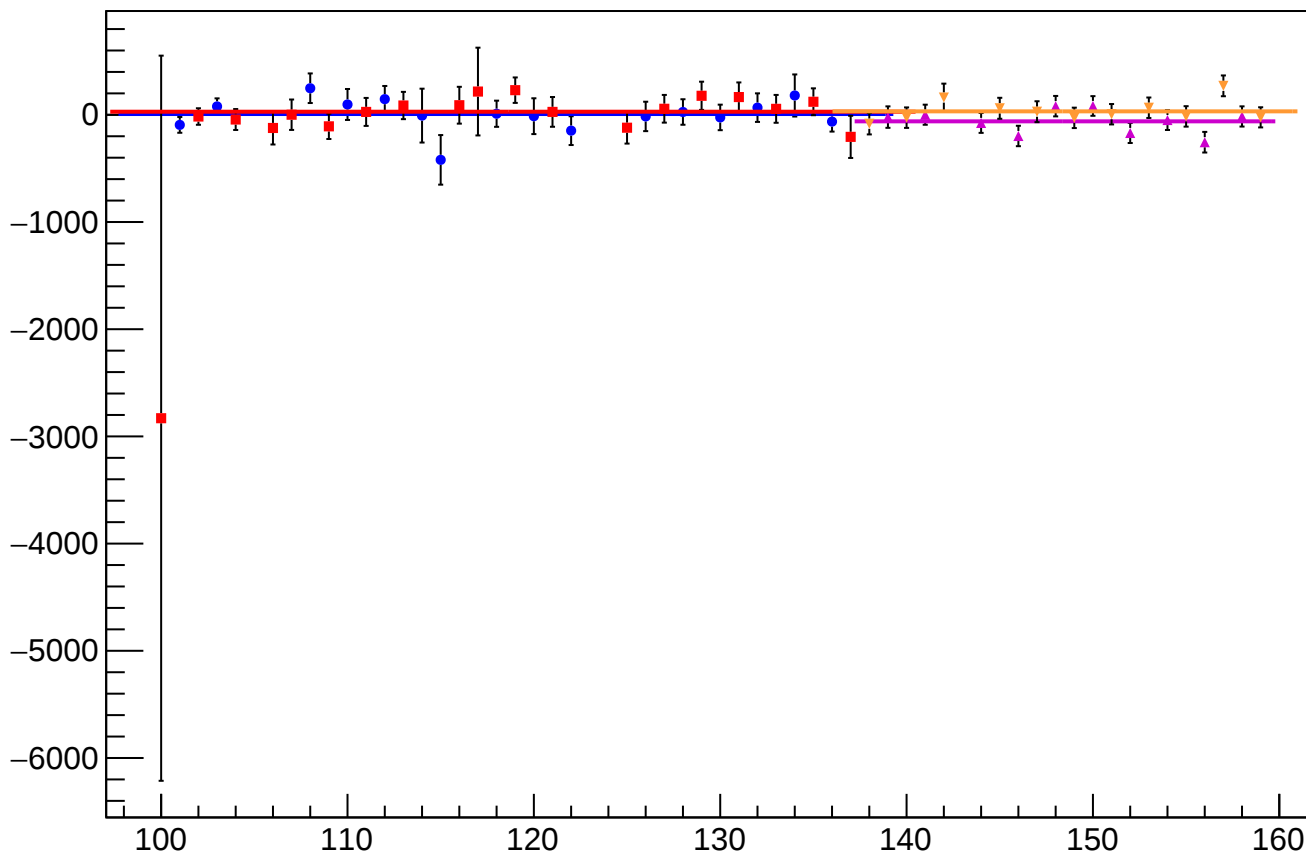
Right Out: 79.426+/-0.021 χ^2/NDF : 385484.8/18

Left In: 85.619+/-0.021 χ^2/NDF : 295.5/9

80.854+/-0.015 χ^2/NDF : 508659.3/26

82.572+/-0.015 χ^2/NDF : 428013.1/28

reg_asym_ds_dd_mean vs Slug



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

Left Out: 32.332 ± 29.620 χ^2/NDF : 10.0/10

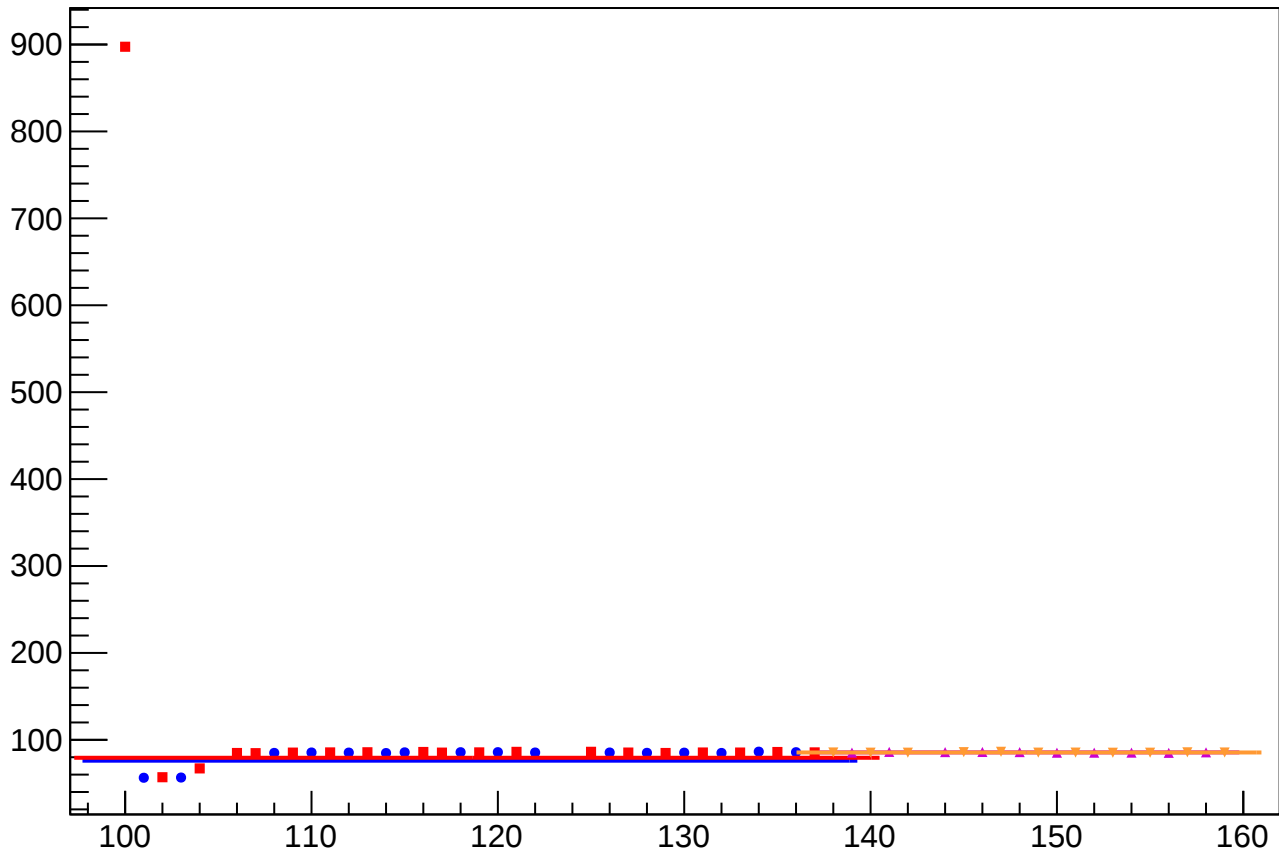
Right Out: 28.958 ± 30.344 χ^2/NDF : 12.7/18

Left In: -60.879 ± 29.881 χ^2/NDF : 13.0/9

20.042 ± 21.067 χ^2/NDF : 24.3/26

-16.651 ± 21.291 χ^2/NDF : 30.2/28

reg_asym_ds_dd_rms vs Slug



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

Left Out: 85.469 $\pm$ 0.021 χ^2 /NDF: 226.4/10

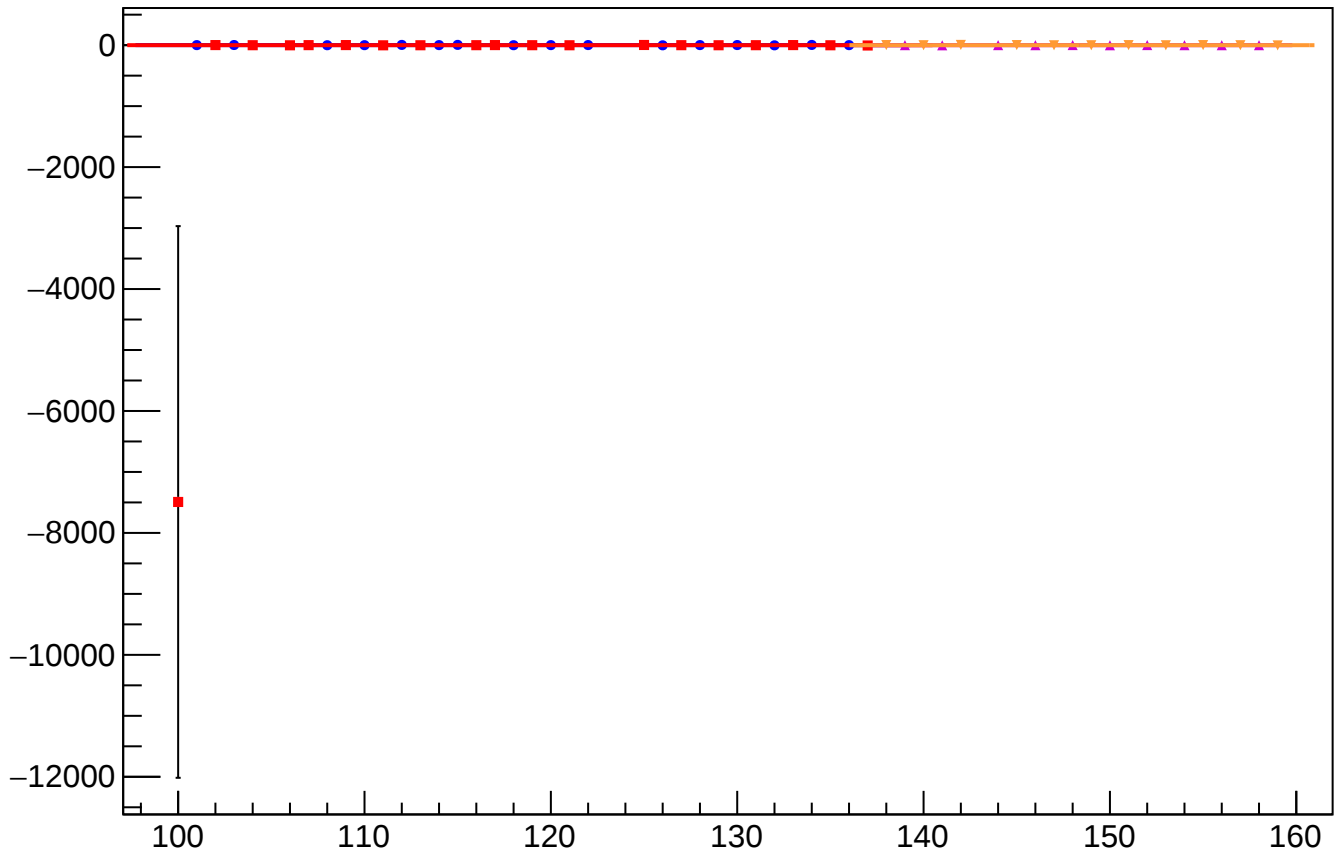
Right Out: 79.375 $\pm$ 0.021 χ^2 /NDF: 378794.5/18

Left In: 85.582 $\pm$ 0.021 χ^2 /NDF: 312.5/9

80.806 $\pm$ 0.015 χ^2 /NDF: 509473.6/26

82.526 $\pm$ 0.015 χ^2 /NDF: 421603.7/28

asym_ds_dd_correction_mean vs Slug



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

Left Out: -0.639 ± 0.505 χ^2/NDF : 12.4/10

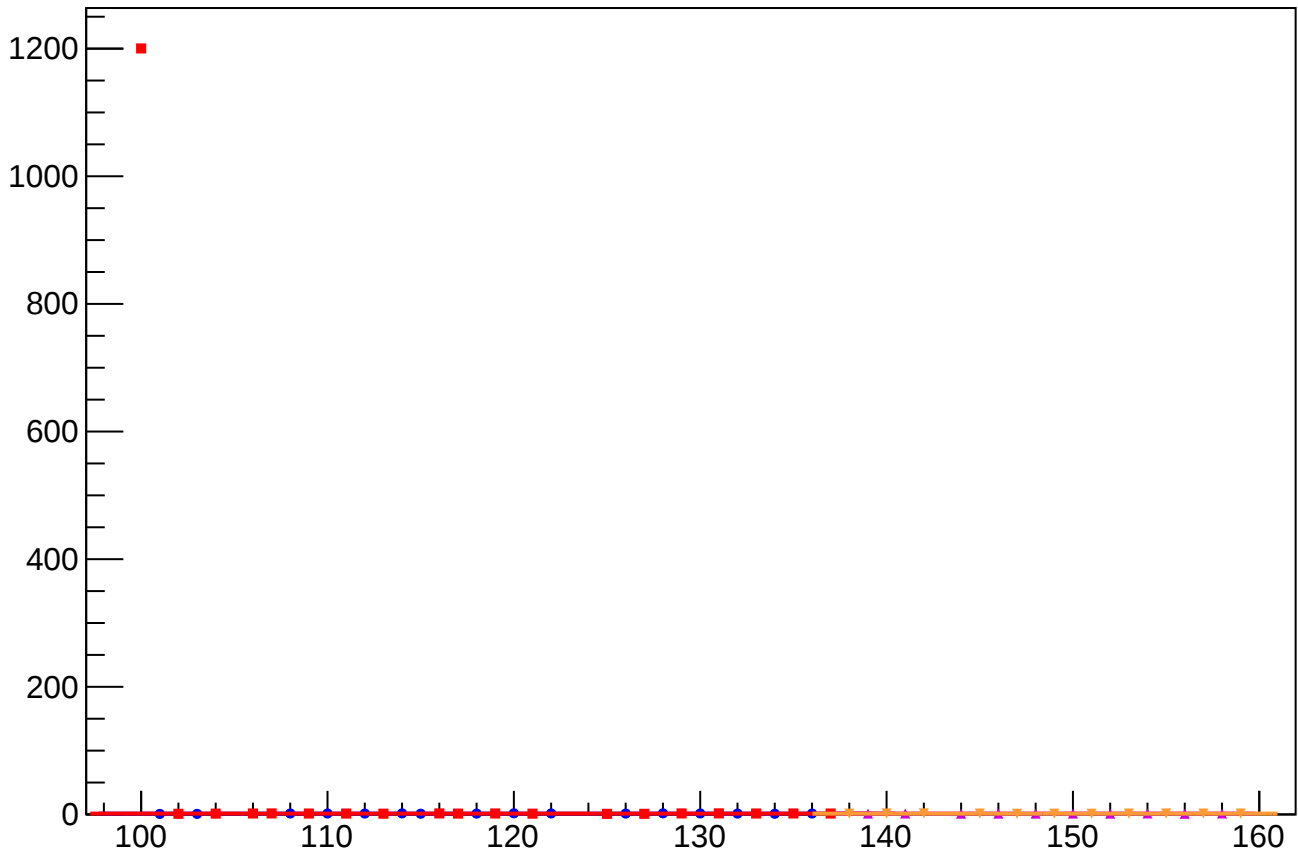
Right Out: -0.304 ± 0.547 χ^2/NDF : 12.6/18

Left In: -0.140 ± 0.521 χ^2/NDF : 4.9/9

0.095 ± 0.366 χ^2/NDF : 28.9/26

-0.218 ± 0.377 χ^2/NDF : 17.6/28

asym_ds_dd_correction_rms vs Slug



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

Left Out: 1.325 $\pm$ 0.000 χ^2 /NDF:224886.0/10

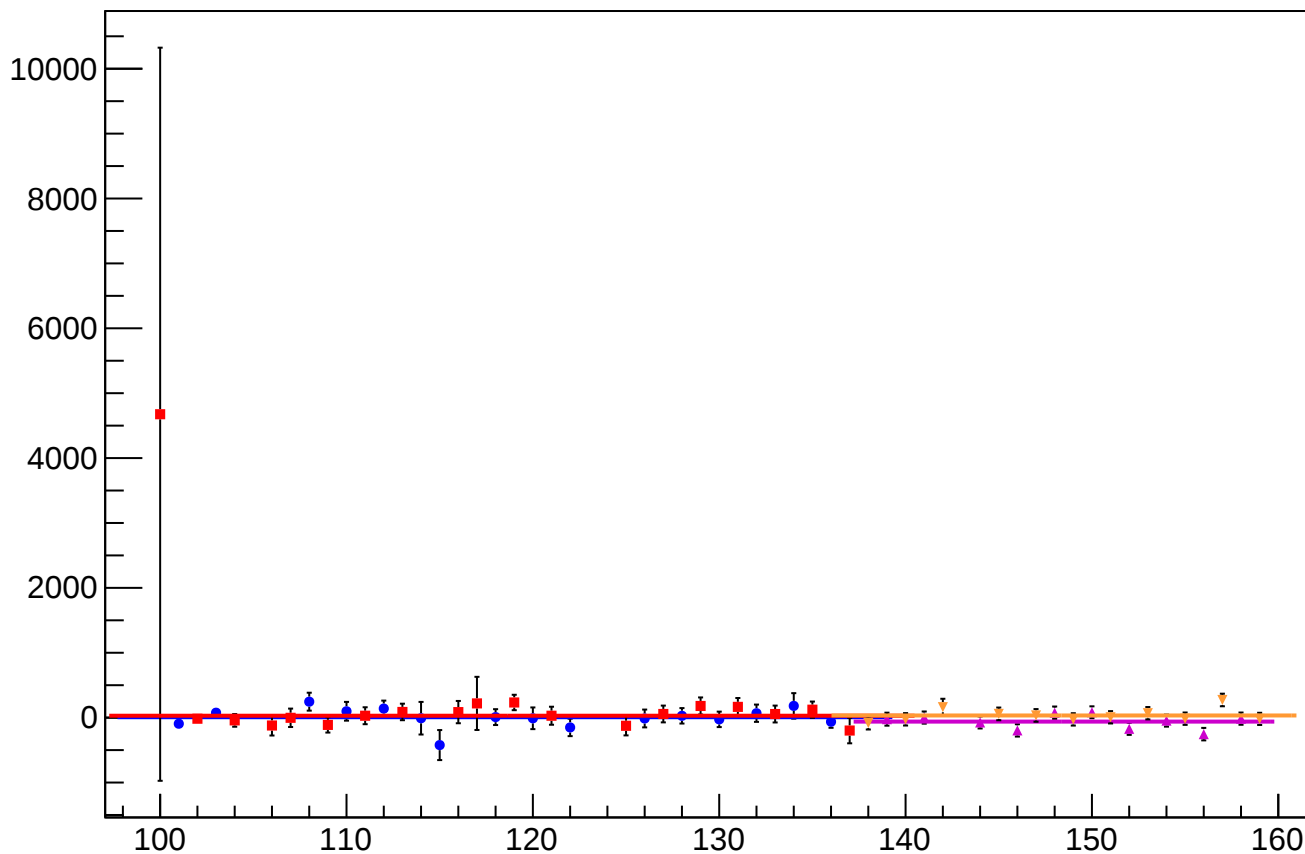
Right Out: 1.318 $\pm$ 0.000 χ^2 /NDF: 521623.7/18

Left In: 1.365 $\pm$ 0.000 χ^2 /NDF:181664.6/9

1.284 $\pm$ 0.000 χ^2 /NDF: 911038.6/26

1.342 $\pm$ 0.000 χ^2 /NDF: 711159.9/28

asym_ds_dd_mean vs Slug



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

Left Out: 33.539 ± 29.627 χ^2/NDF : 10.0/10

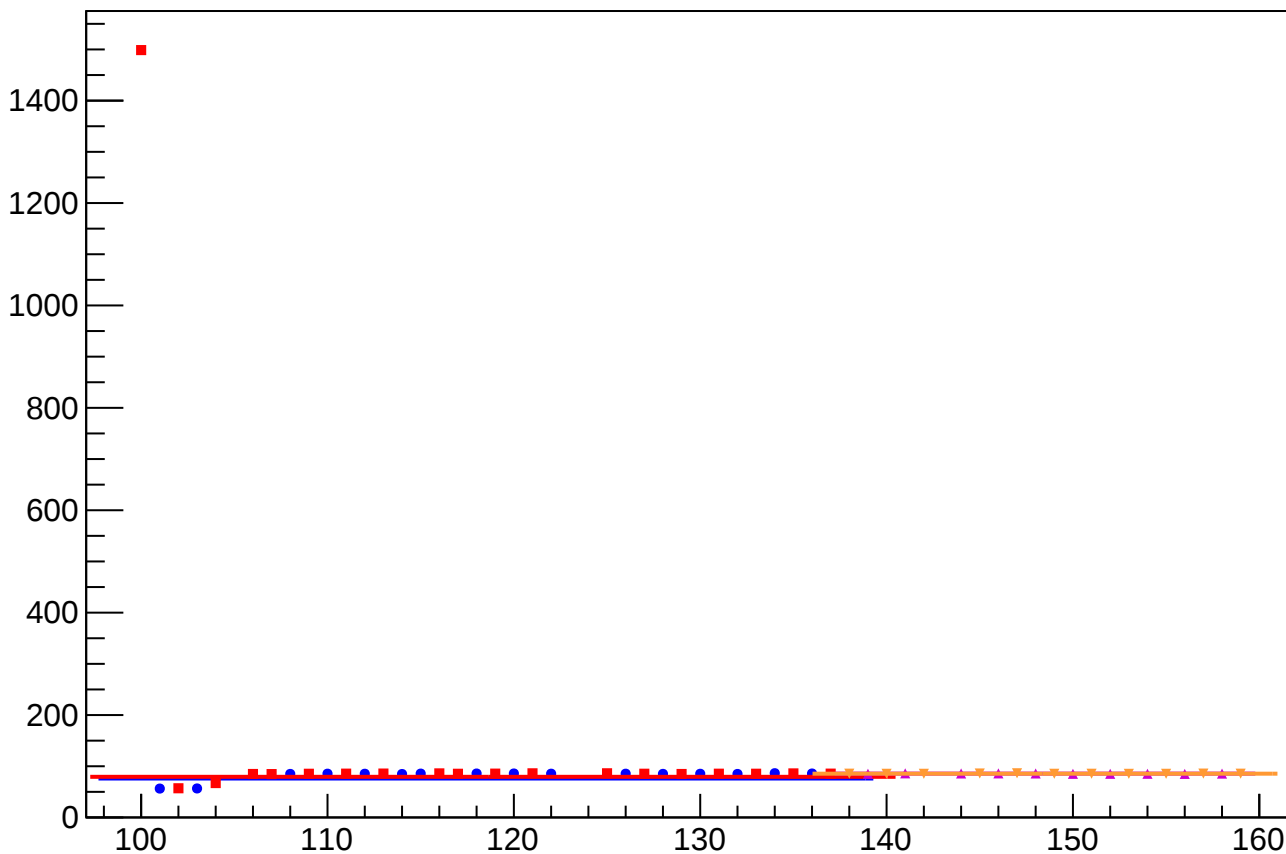
Right Out: 29.600 ± 30.353 χ^2/NDF : 12.9/18

Left In: -61.044 ± 29.889 χ^2/NDF : 12.8/9

20.317 ± 21.072 χ^2/NDF : 24.3/26

-16.420 ± 21.297 χ^2/NDF : 30.2/28

asym_ds_dd_rms vs Slug



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

Left Out: 85.492+/-0.021 χ^2/NDF : 226.1/10

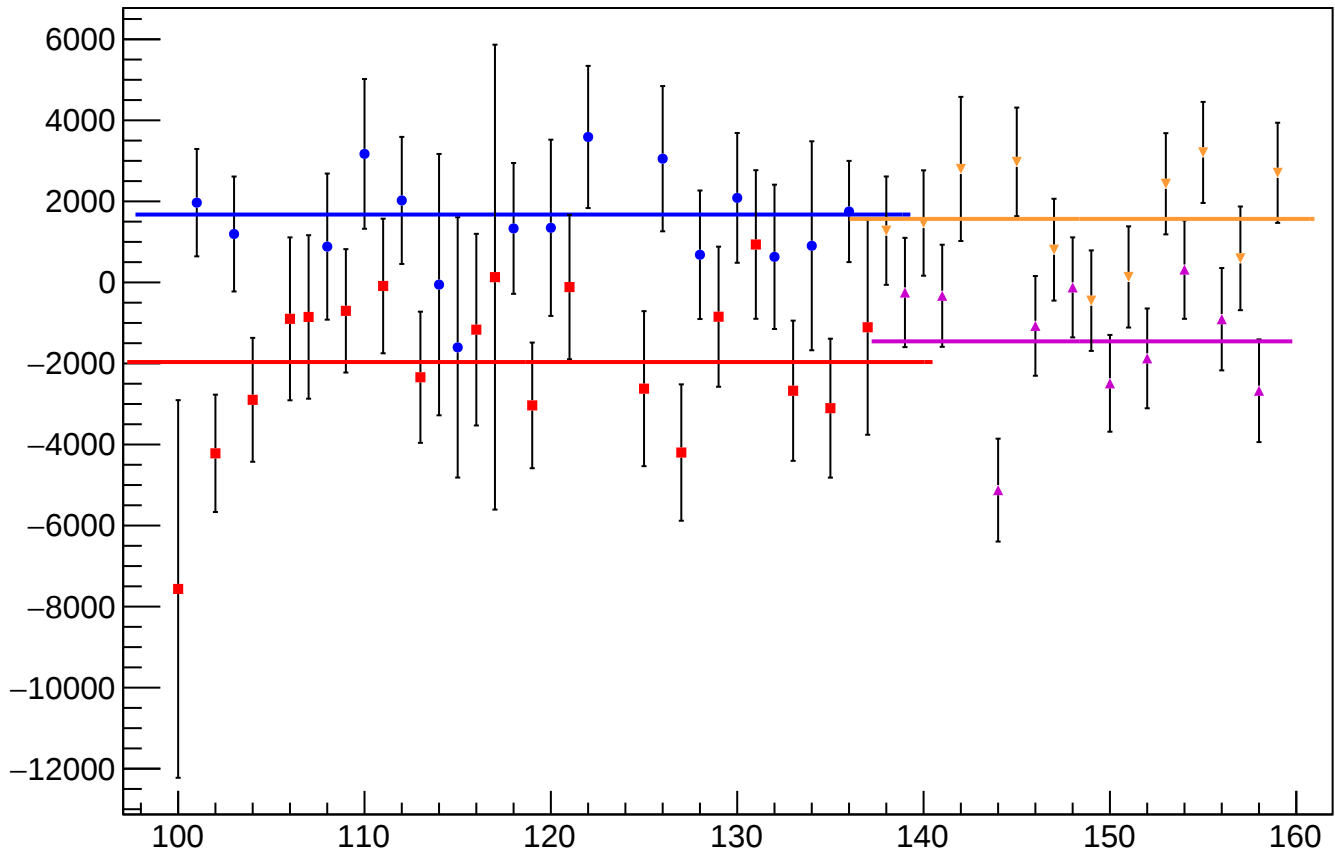
Right Out: 79.371+/-0.021 χ^2/NDF : 388057.0/18

Left In: 85.605+/-0.021 χ^2/NDF : 312.6/9

80.827+/-0.015 χ^2/NDF : 509501.6/26

82.536+/-0.015 χ^2/NDF : 431199.1/28

reg_asym_usl_mean vs Slug



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

Left Out: 1567.442 $\pm$ 392.248 χ^2 /NDF: 9.6/10

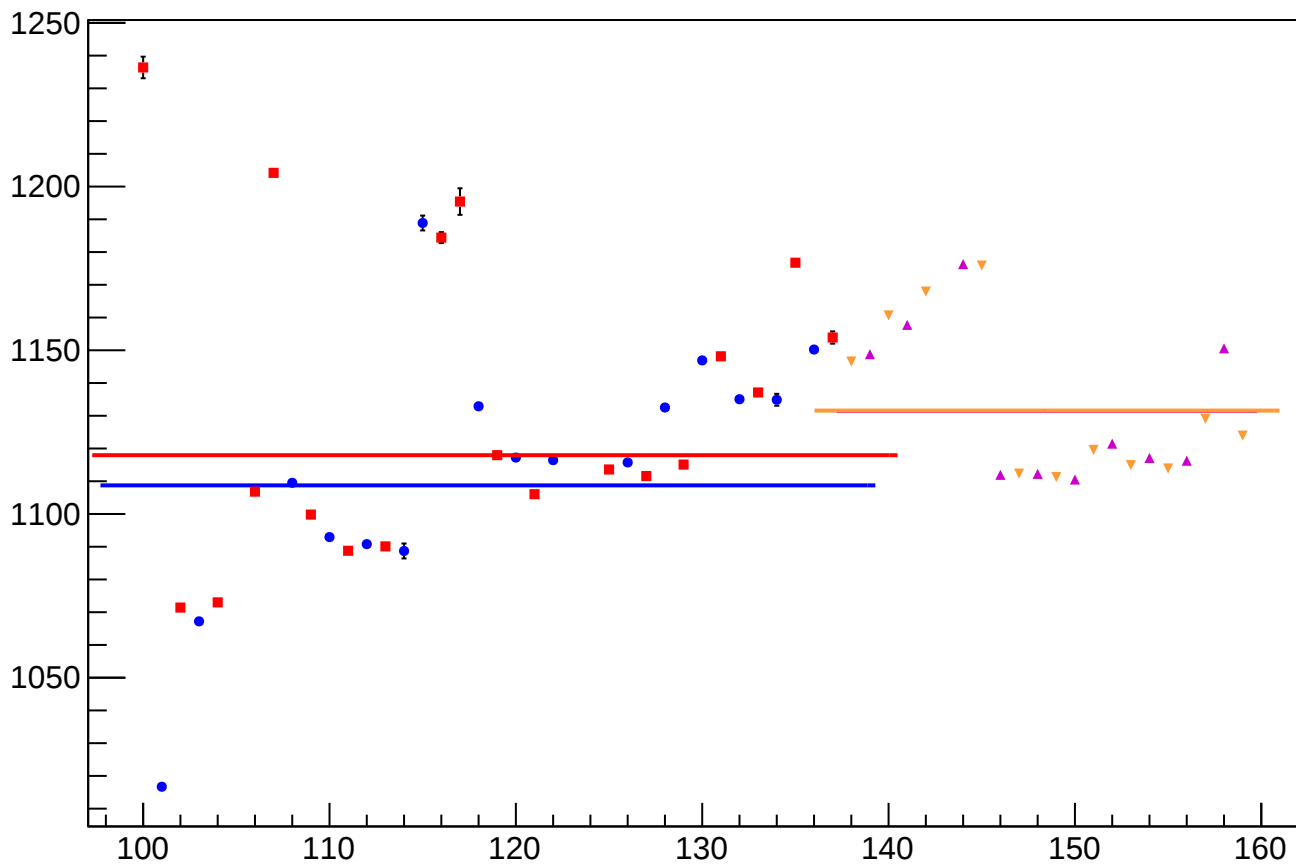
Right Out: -1964.936 $\pm$ 421.265 χ^2 /NDF: 14.2/18

Left In: -1454.325 $\pm$ 395.116 χ^2 /NDF: 15.3/9

1616.216 $\pm$ 289.973 χ^2 /NDF: 14.8/26

-1693.293 $\pm$ 288.190 χ^2 /NDF: 30.3/28

reg_asym_usl_rms vs Slug



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

Left Out: 1131.586 $\pm$ 0.277 χ^2 /NDF: 6301.3/10

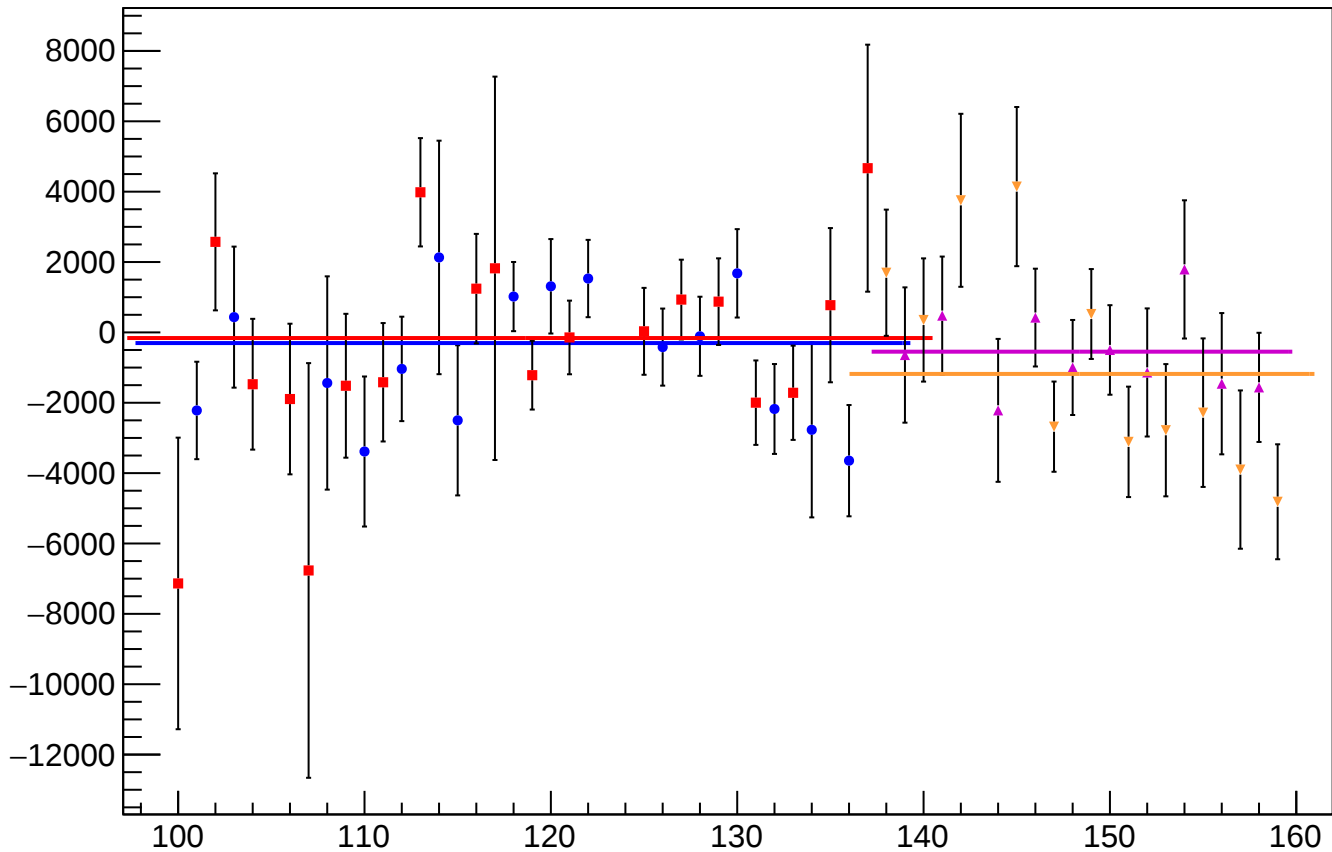
Right Out: 1117.959 $\pm$ 0.298 χ^2 /NDF: 15881.8/18

Left In: 1131.448 $\pm$ 0.279 χ^2 /NDF: 6457.9/9

1121.225 $\pm$ 0.205 χ^2 /NDF: 27459.1/26

1125.135 $\pm$ 0.204 χ^2 /NDF: 23430.5/28

asym_usl_correction_mean vs Slug



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

Left Out: -1180.573 ± 519.583 χ^2/NDF : 25.0/10

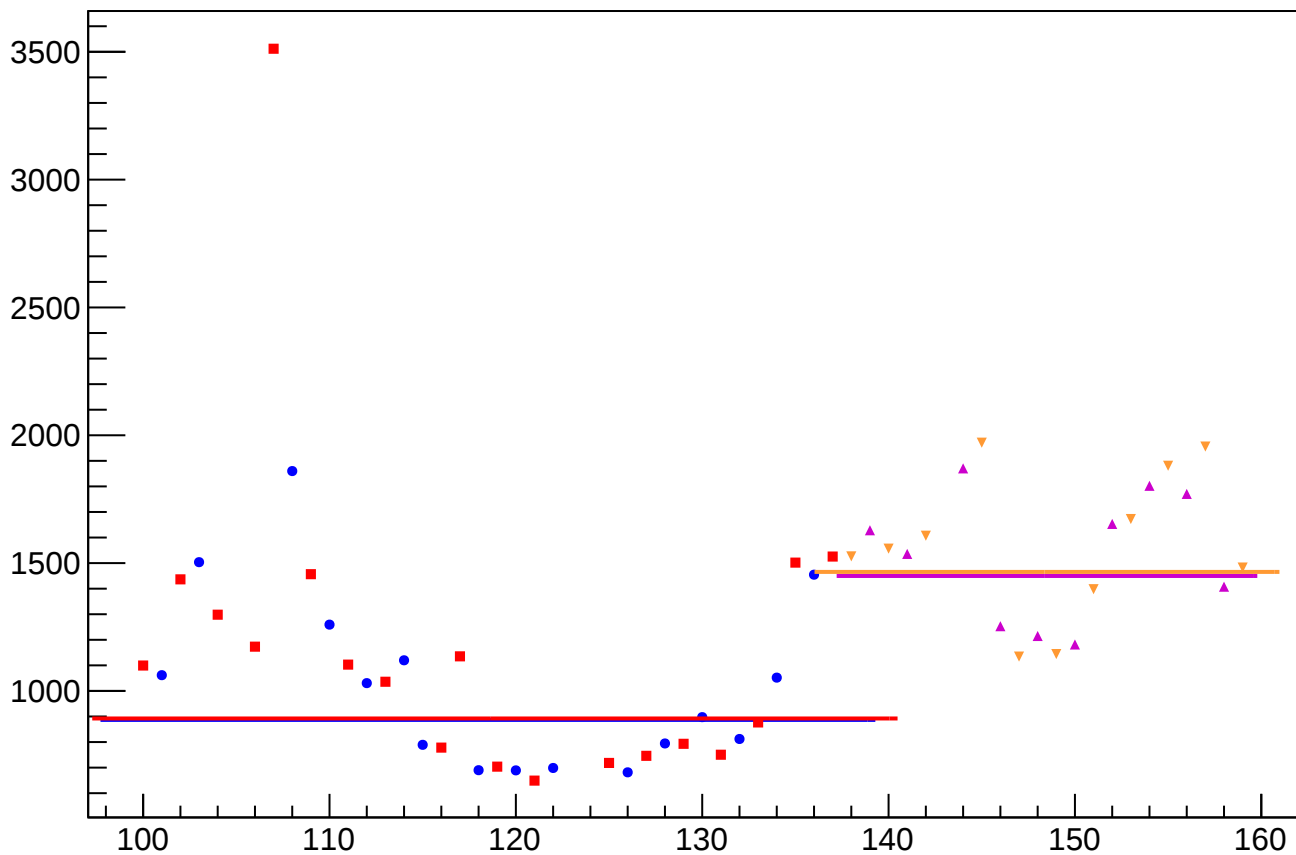
Right Out: -160.376 ± 355.478 χ^2/NDF : 25.0/18

Left In: -548.191 ± 514.663 χ^2/NDF : 3.8/9

-587.942 ± 295.950 χ^2/NDF : 49.2/26

-285.633 ± 292.491 χ^2/NDF : 29.2/28

asym_usl_correction_rms vs Slug



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

Left Out: 1465.581+/-0.367 χ^2/NDF : 574681.1/10

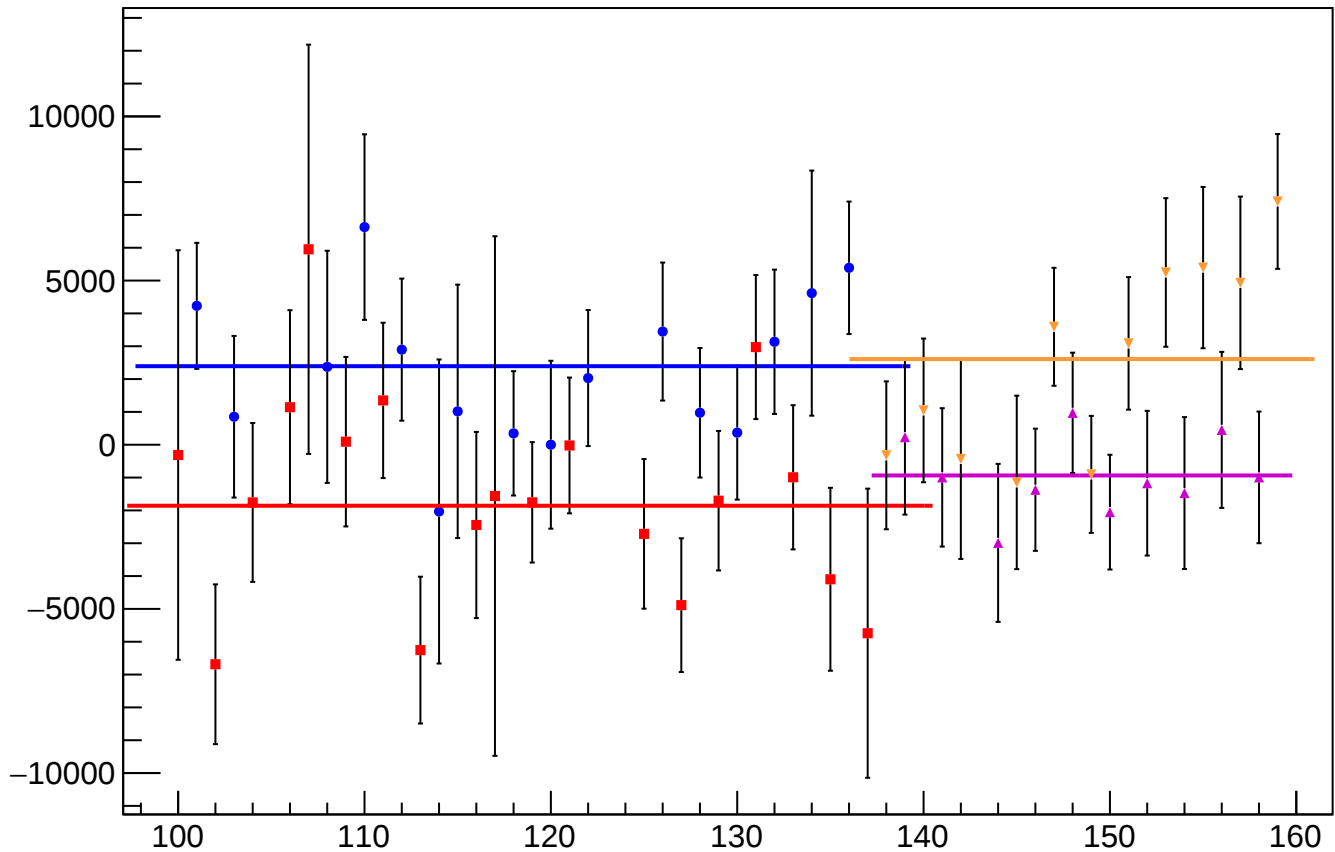
Right Out: 892.236+/-0.251 χ^2/NDF : 1418185.6/18

Left In: 1449.727+/-0.364 χ^2/NDF : 439650.1/9

1074.503+/-0.209 χ^2/NDF : 3312725.0/26

1072.295+/-0.207 χ^2/NDF : 3446599.4/28

asym_usl_mean vs Slug



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

Left Out: 2608.269+/-663.691 χ^2 /NDF:18.4/10

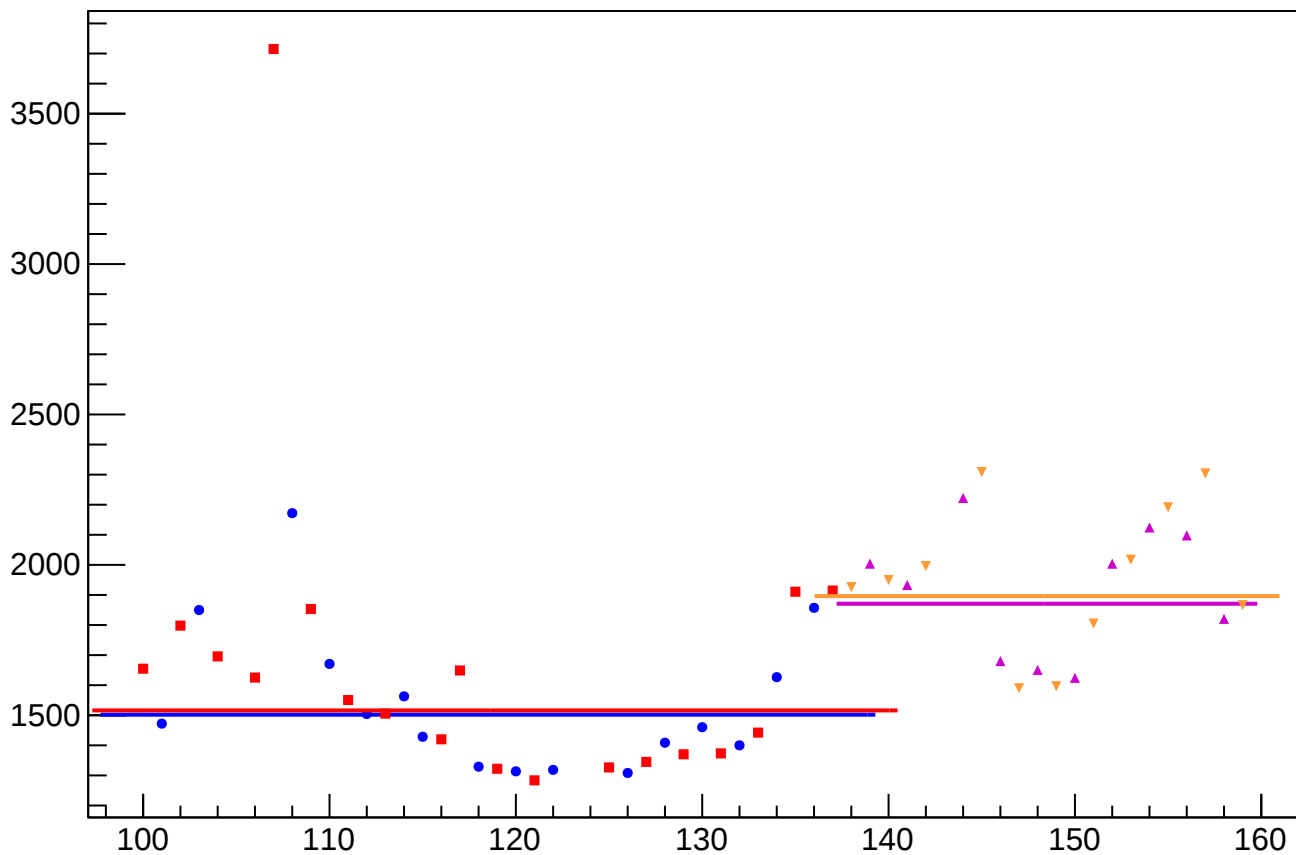
Right Out: -1858.263+/-581.542 χ^2 /NDF: 22.5/18

Left In: -935.774+/-657.933 χ^2 /NDF:2.9/9

2487.499+/-440.532 χ^2 /NDF: 29.6/26

-1453.658+/-435.729 χ^2 /NDF: 26.5/28

asym_usl_rms vs Slug



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

Left Out: 1896.074 $\pm$ 0.469 χ^2 /NDF:254403.0/10

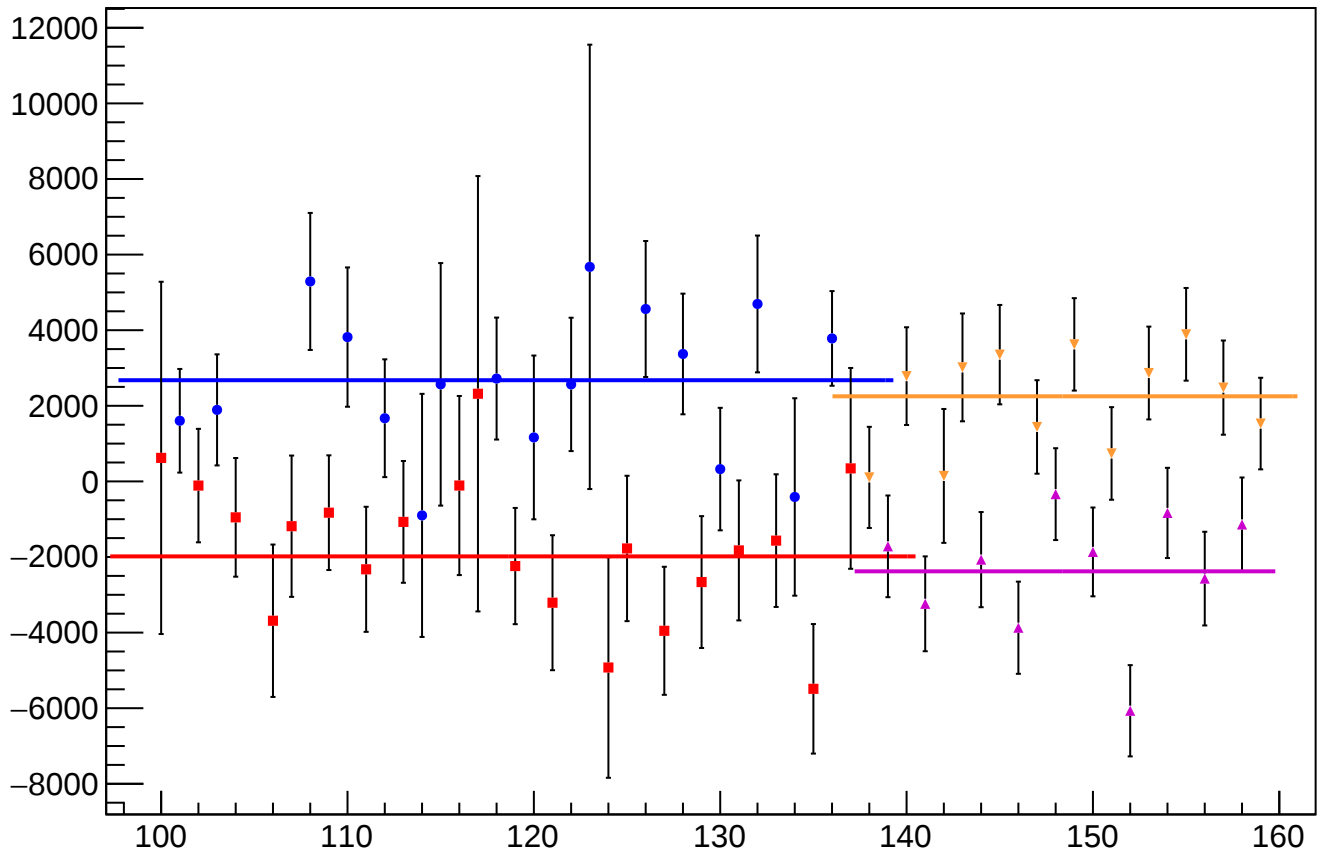
Right Out: 1516.127 $\pm$ 0.411 χ^2 /NDF: 480325.9/18

Left In: 1870.787 $\pm$ 0.465 χ^2 /NDF:191276.9/9

1675.585 $\pm$ 0.312 χ^2 /NDF: 903530.1/26

1671.681 $\pm$ 0.308 χ^2 /NDF: 997861.1/28

reg_asym_usr_mean vs Slug



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

Left Out: 2251.286 $\pm$ 372.955 χ^2 /NDF:10.8/11

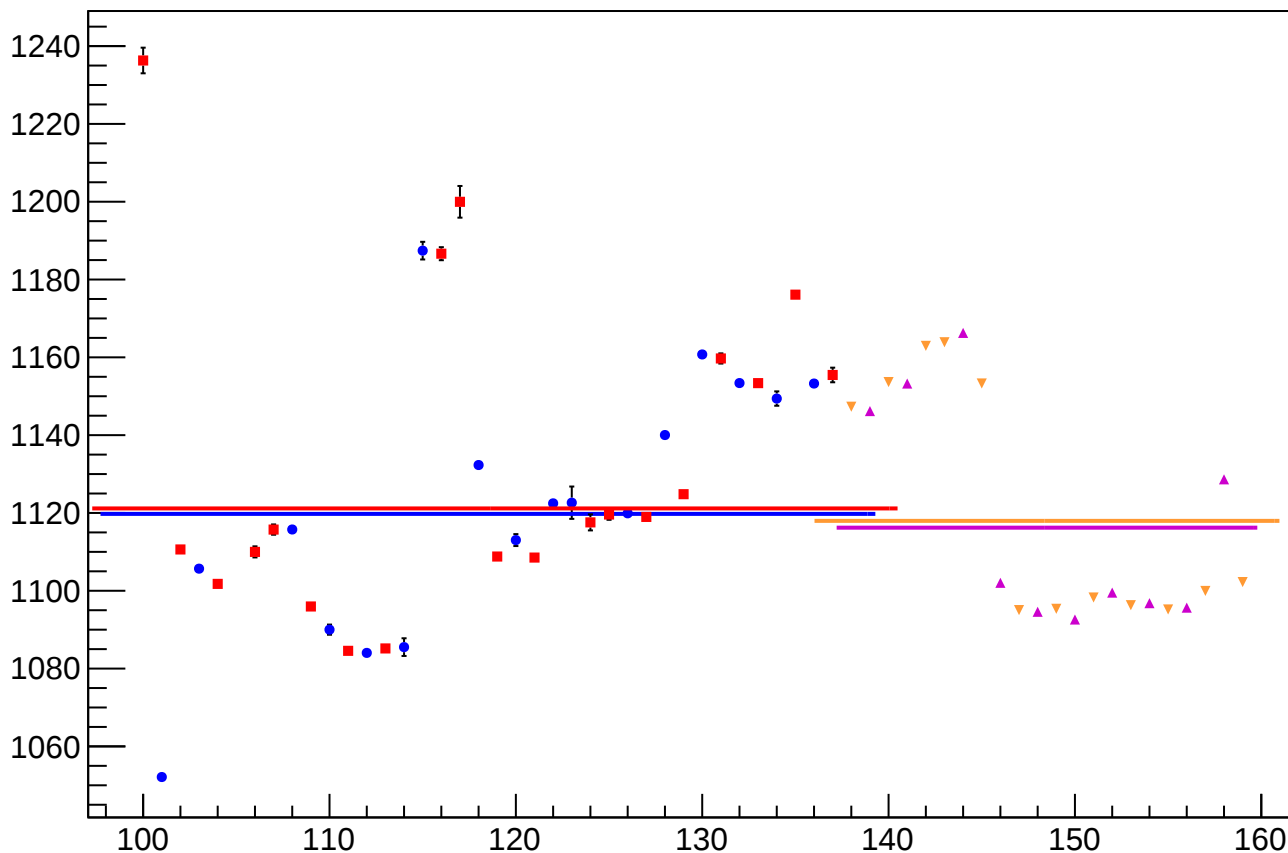
Right Out: -1983.779 $\pm$ 418.059 χ^2 /NDF: 13.4/19

Left In: -2379.077 $\pm$ 389.832 χ^2 /NDF:17.3/9

2432.187 $\pm$ 282.745 χ^2 /NDF: 23.9/28

-2195.222 $\pm$ 285.110 χ^2 /NDF: 31.2/29

reg_asym_usr_rms vs Slug



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

Left Out: 1117.968 $\pm$ 0.264 χ^2 /NDF: 11247.4/11

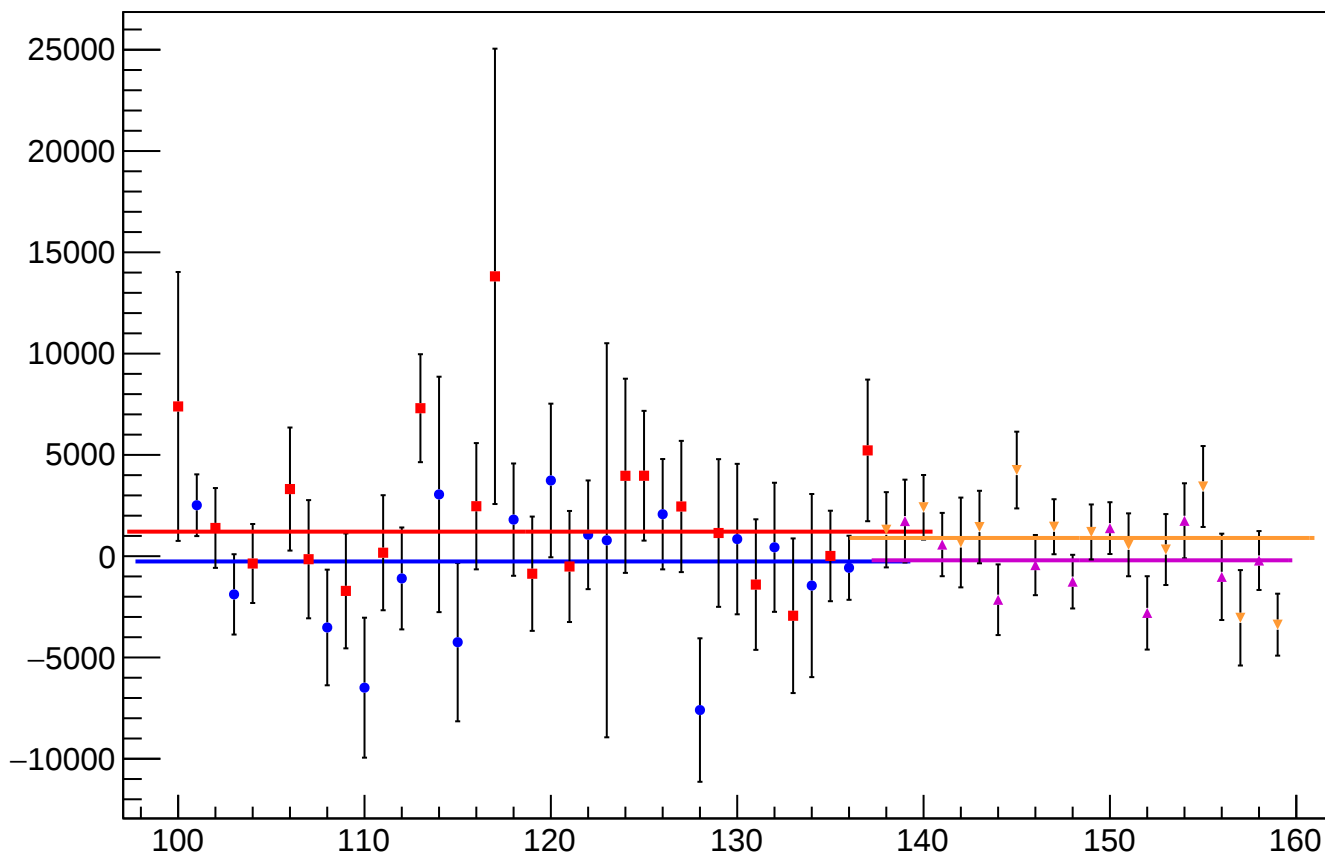
Right Out: 1121.164 $\pm$ 0.296 χ^2 /NDF: 10310.8/19

Left In: 1116.219 $\pm$ 0.276 χ^2 /NDF: 9272.1/9

1118.731 $\pm$ 0.200 χ^2 /NDF: 23143.9/28

1118.518 $\pm$ 0.202 χ^2 /NDF: 19732.6/29

asym_usr_correction_mean vs Slug



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

Left Out: 899.721+/-490.147 χ^2 /NDF: 16.8/11

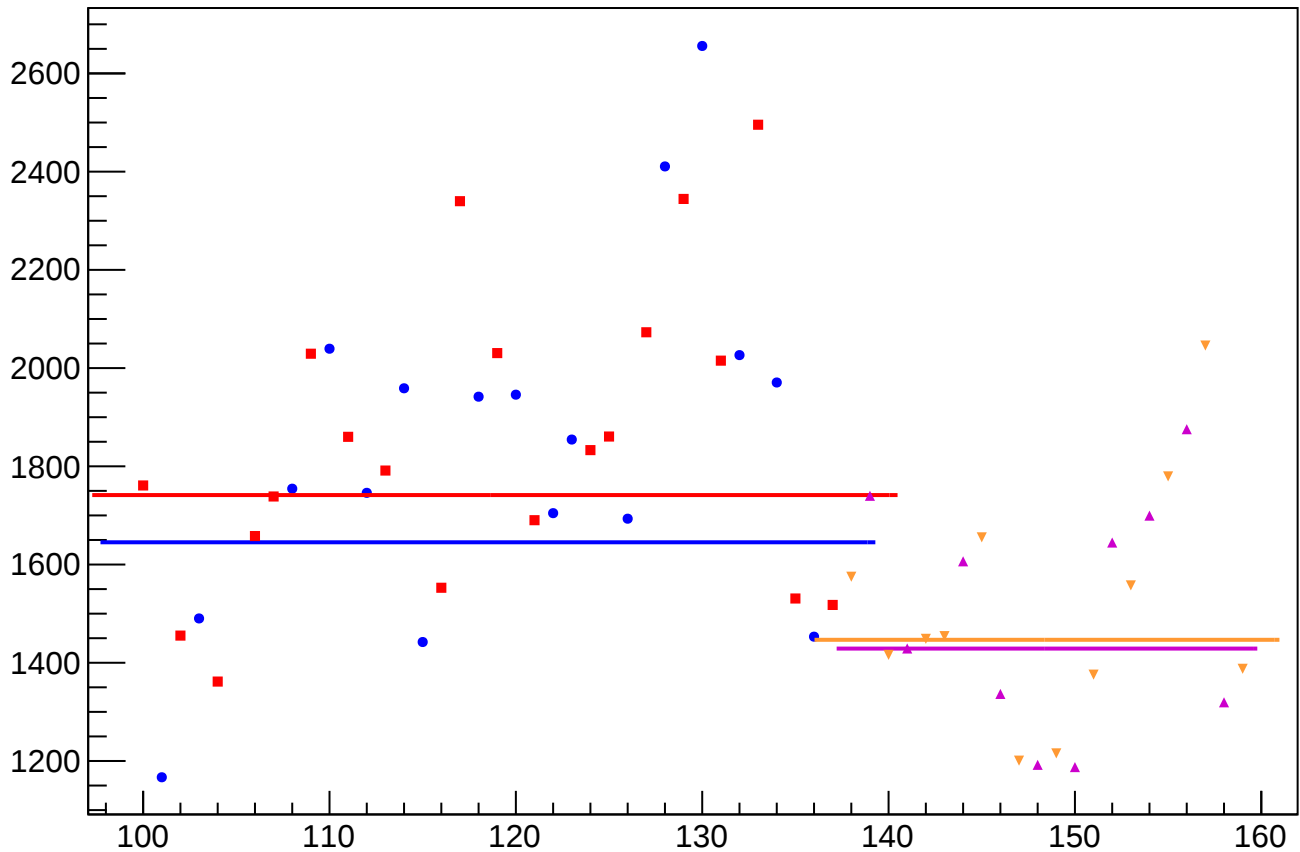
Right Out: 1211.378+/-661.281 χ^2 /NDF: 15.7/19

Left In: -203.677+/-506.253 χ^2 /NDF: 7.9/9

483.710+/-392.494 χ^2 /NDF: 36.0/28

319.212+/-401.980 χ^2 /NDF: 26.5/29

asym_usr_correction_rms vs Slug



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

Left Out: 1446.758 ± 0.347 χ^2/NDF : 358331.0/11

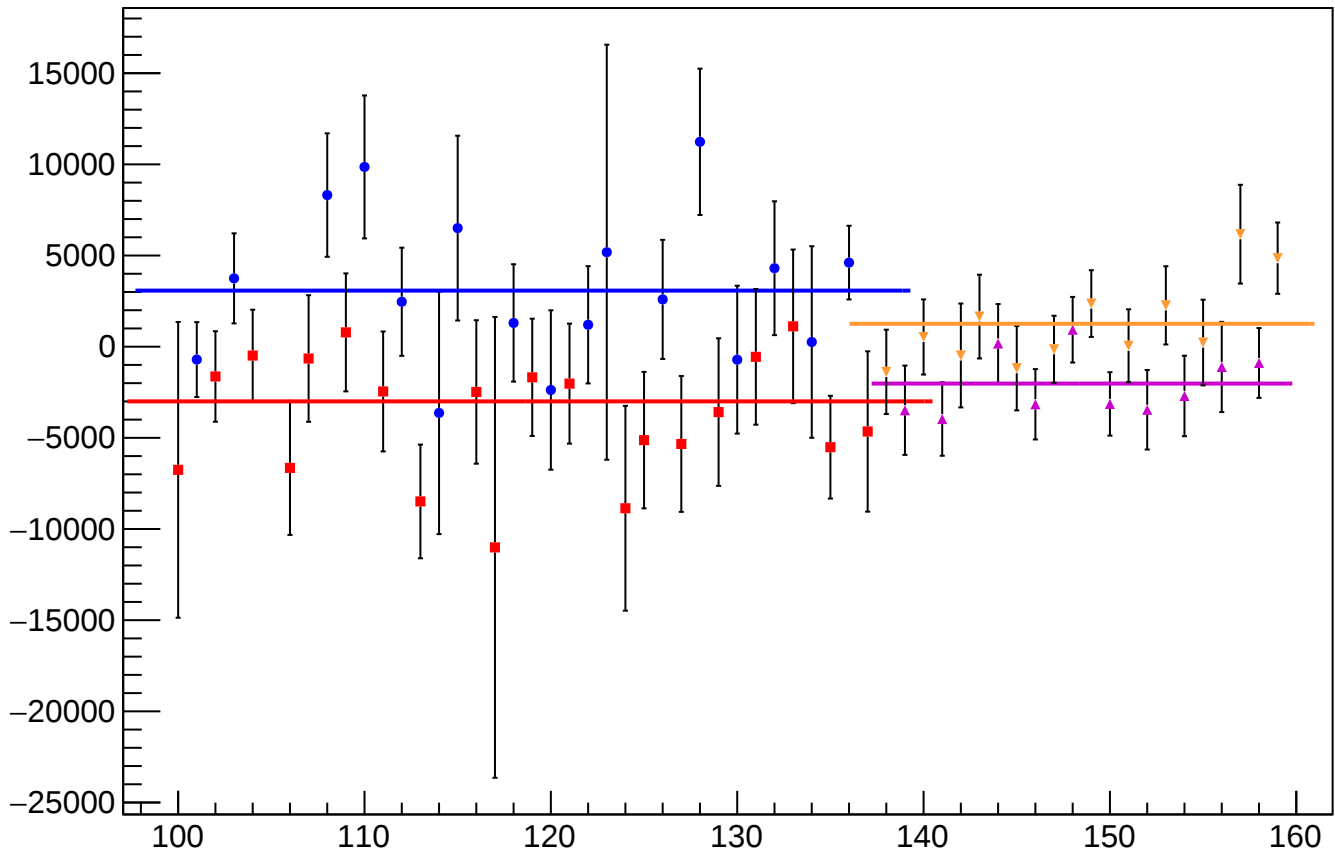
Right Out: 1741.460 ± 0.468 χ^2/NDF : 376702.2/19

Left In: 1428.873 ± 0.358 χ^2/NDF : 380259.1/9

1517.992 ± 0.278 χ^2/NDF : 1076987.5/28

1544.380 ± 0.284 χ^2/NDF : 1038717.4/29

asym_usr_mean vs Slug



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

Left Out: 1257.056+/-624.655 χ^2/NDF : 11.3/11

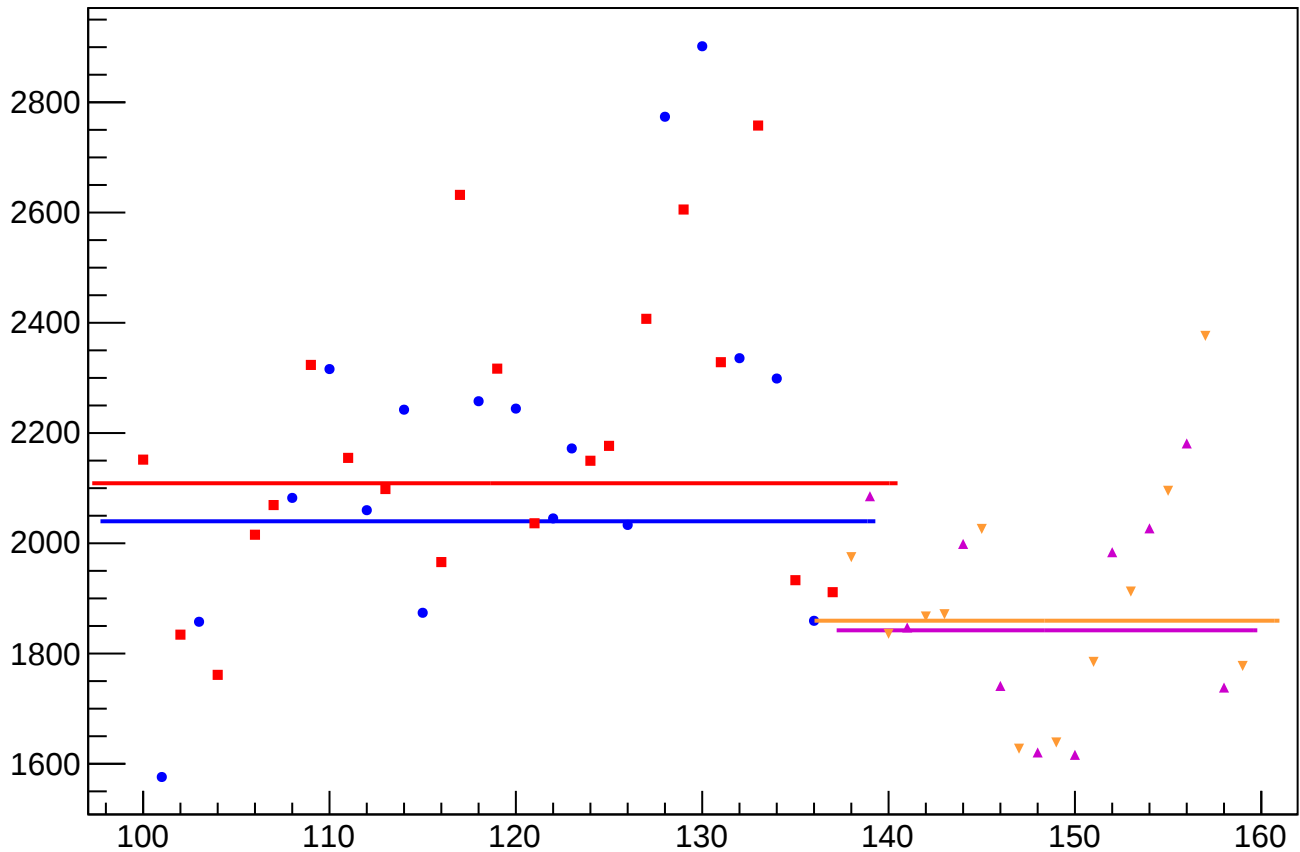
Right Out: -2999.277+/-794.066 χ^2/NDF : 12.3/19

Left In: -2022.962+/-647.240 χ^2/NDF : 6.8/9

1943.367+/-492.869 χ^2/NDF : 33.1/28

-2412.683+/-501.694 χ^2/NDF : 20.0/29

asym_usr_rms vs Slug



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

Left Out: 1859.575 $\pm$ 0.442 χ^2 /NDF:177102.2/11

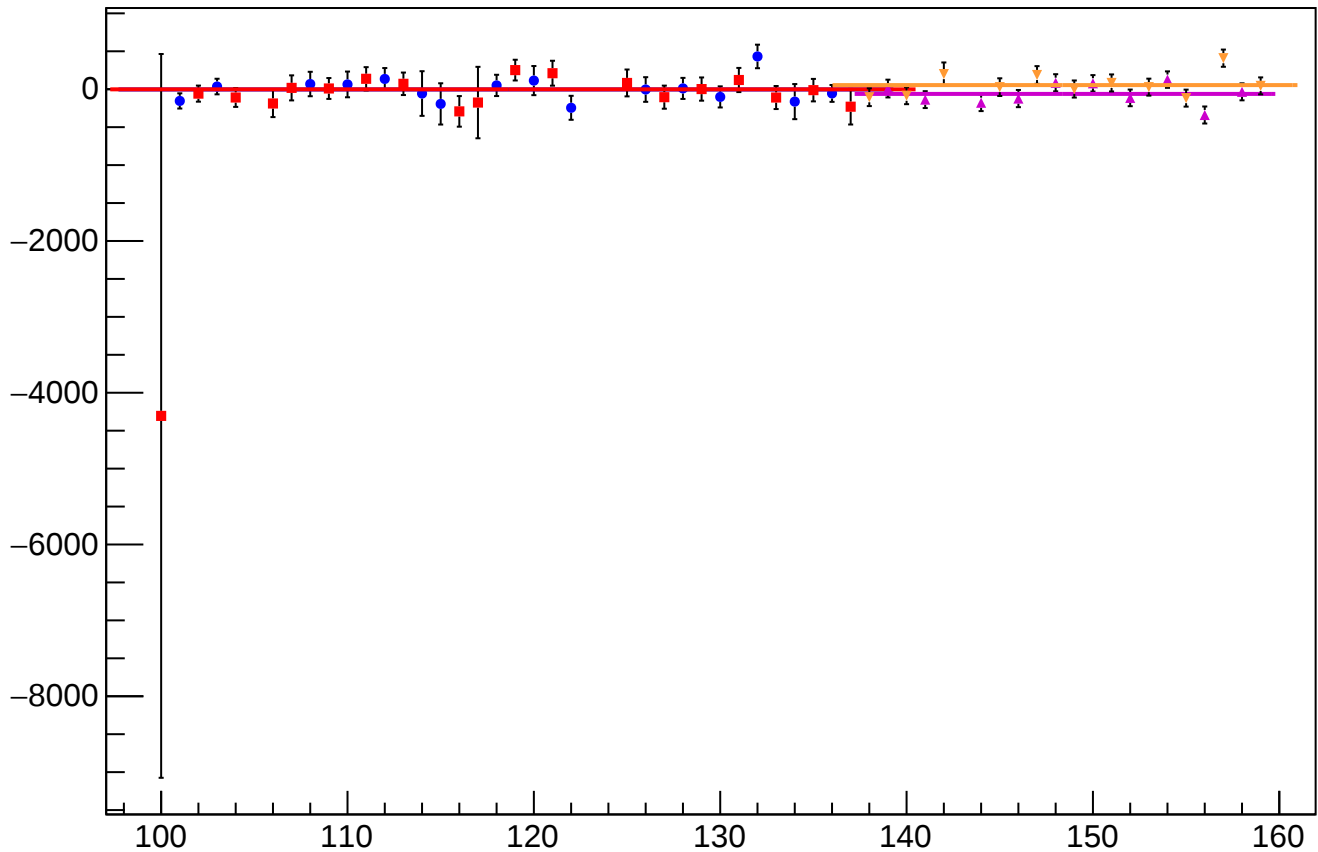
Right Out: 2108.906 $\pm$ 0.561 χ^2 /NDF: 198889.3/19

Left In: 1842.124 $\pm$ 0.458 χ^2 /NDF:165751.5/9

1927.652 $\pm$ 0.349 χ^2 /NDF: 572023.2/28

1948.617 $\pm$ 0.355 χ^2 /NDF: 500277.4/29

reg_asym_dsl_mean vs Slug



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

Left Out: 54.397 ± 34.949 χ^2/NDF : 18.2/10

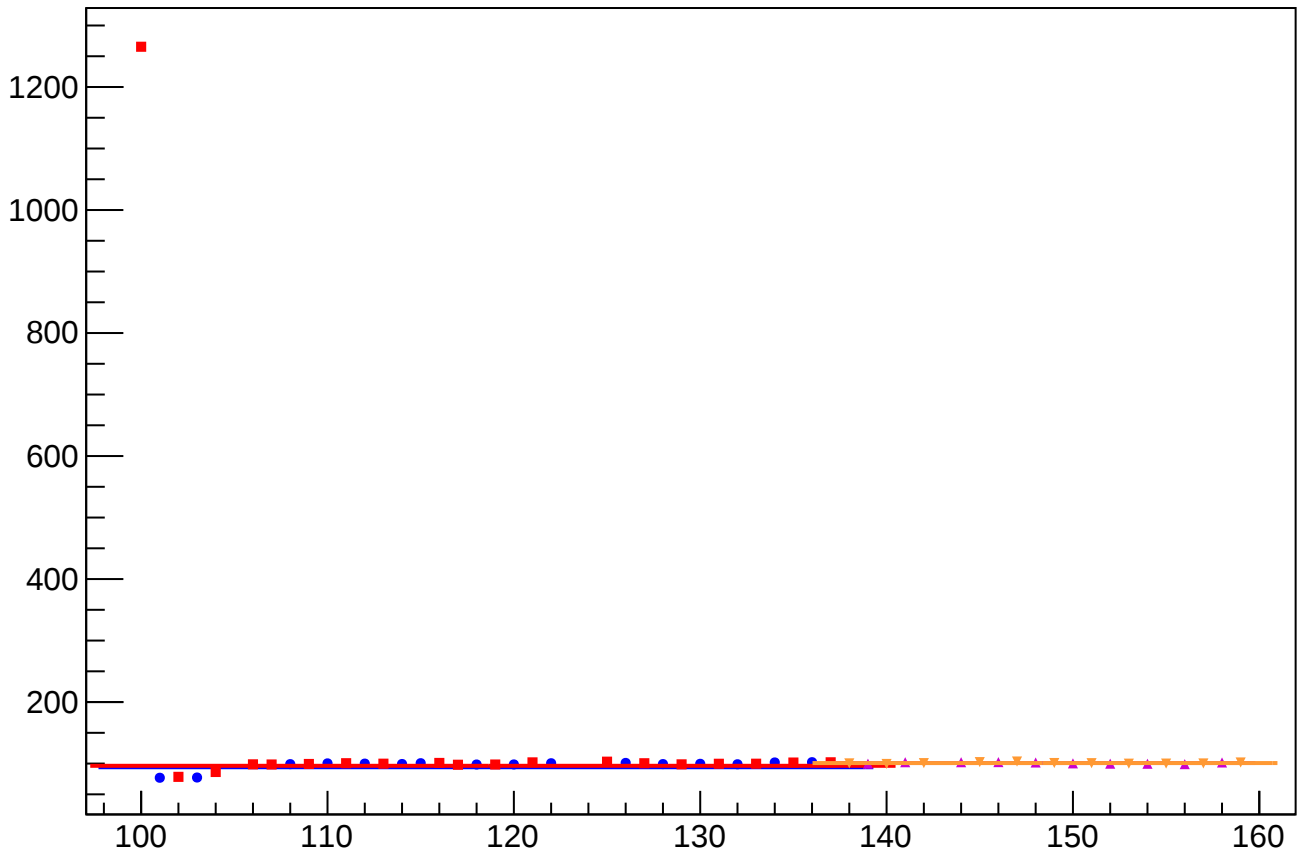
Right Out: -1.545 ± 36.588 χ^2/NDF : 14.1/18

Left In: -61.772 ± 35.239 χ^2/NDF : 15.0/9

26.977 ± 25.314 χ^2/NDF : 35.6/26

-32.788 ± 25.381 χ^2/NDF : 30.5/28

reg_asym_dsl_rms vs Slug



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

Left Out: 100.841 ± 0.025 χ^2/NDF : 2125.4/10

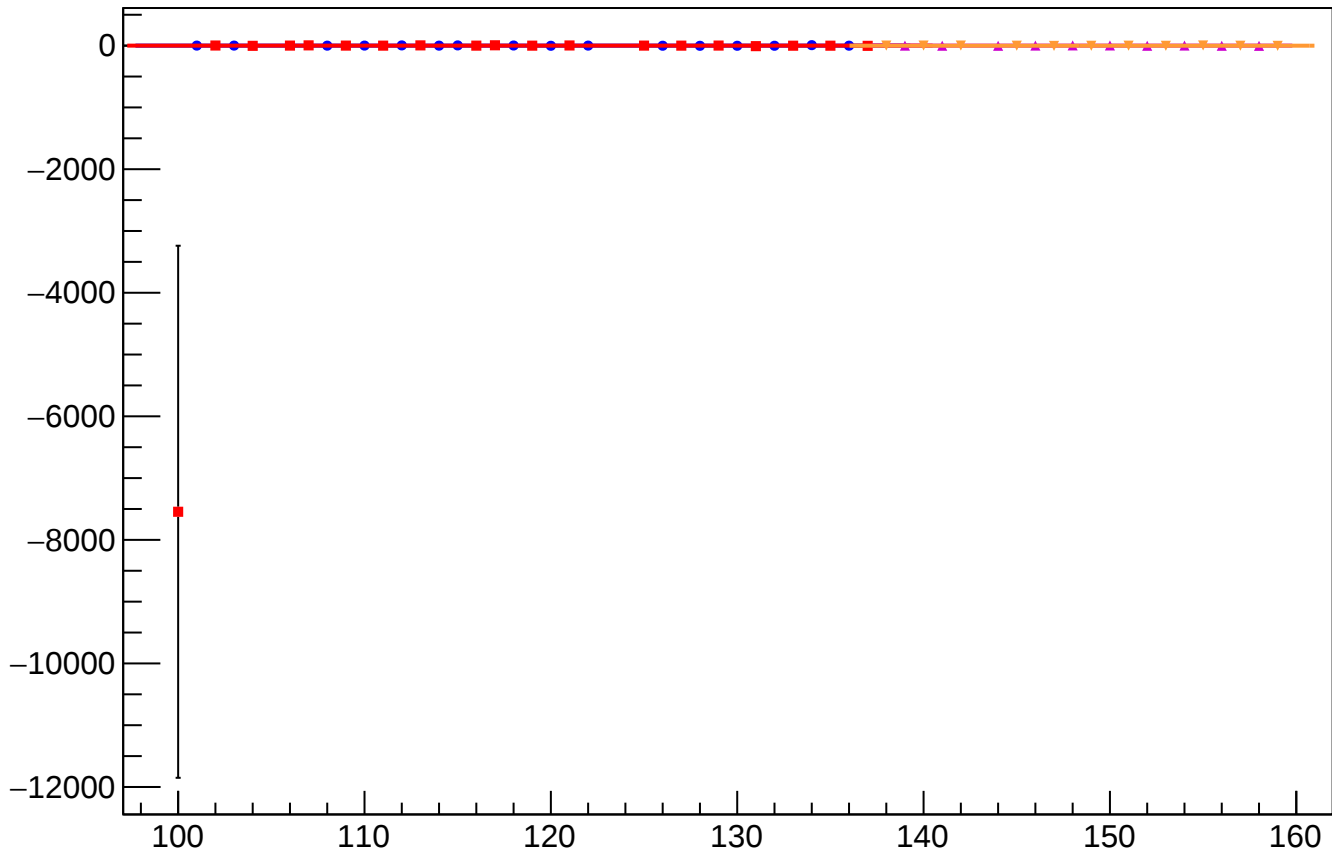
Right Out: 96.383 ± 0.026 χ^2/NDF : 209255.3/18

Left In: 100.922 ± 0.025 χ^2/NDF : 2318.6/9

97.621 ± 0.018 χ^2/NDF : 190115.9/26

98.738 ± 0.018 χ^2/NDF : 227546.8/28

asym_dsl_correction_mean vs Slug



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

Left Out: -0.785 ± 0.603 χ^2/NDF : 12.8/10

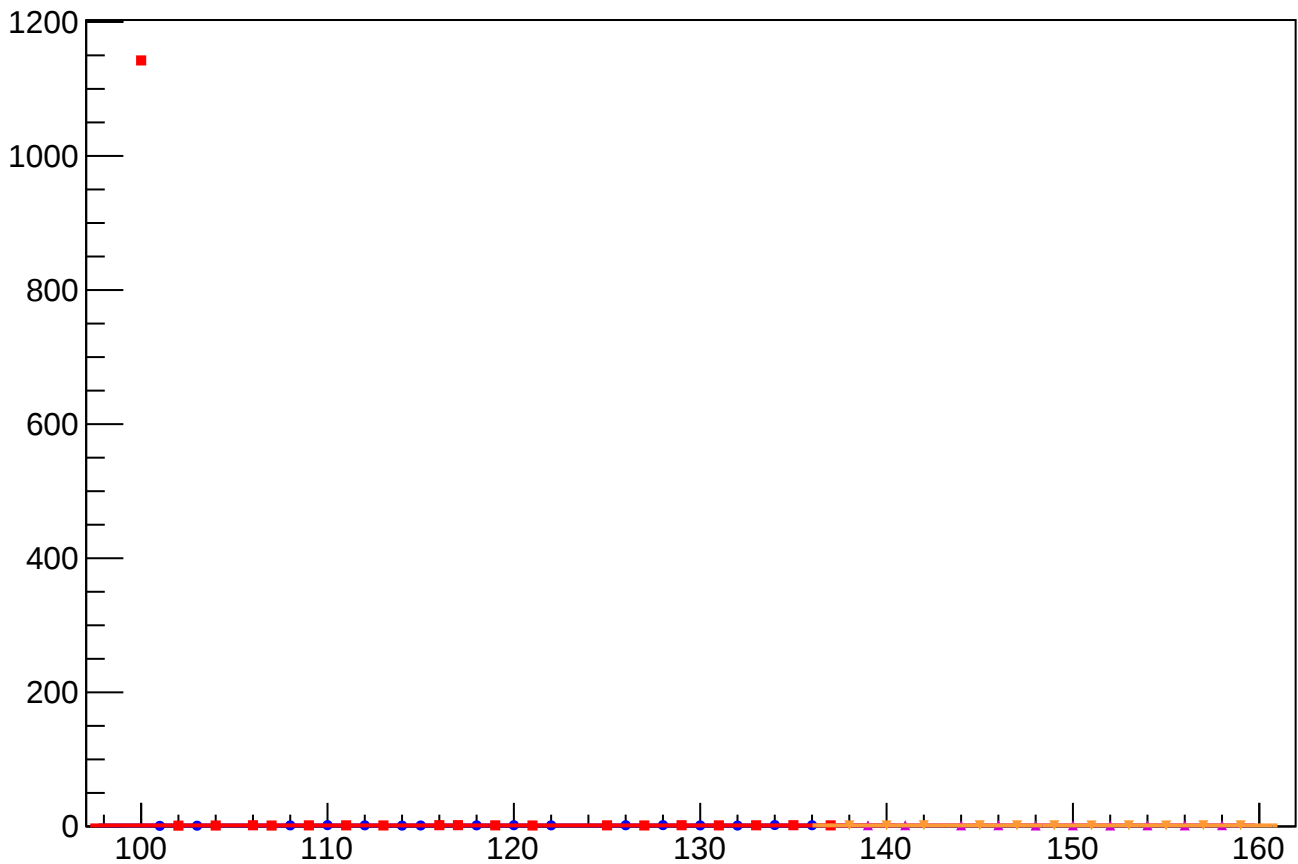
Right Out: 0.336 ± 0.641 χ^2/NDF : 23.1/18

Left In: 0.255 ± 0.639 χ^2/NDF : 13.4/9

-0.192 ± 0.431 χ^2/NDF : 24.5/26

0.295 ± 0.453 χ^2/NDF : 36.5/28

asym_dsl_correction_rms vs Slug



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

Left Out: 1.600+/-0.000 χ^2/NDF : 52074.7/10

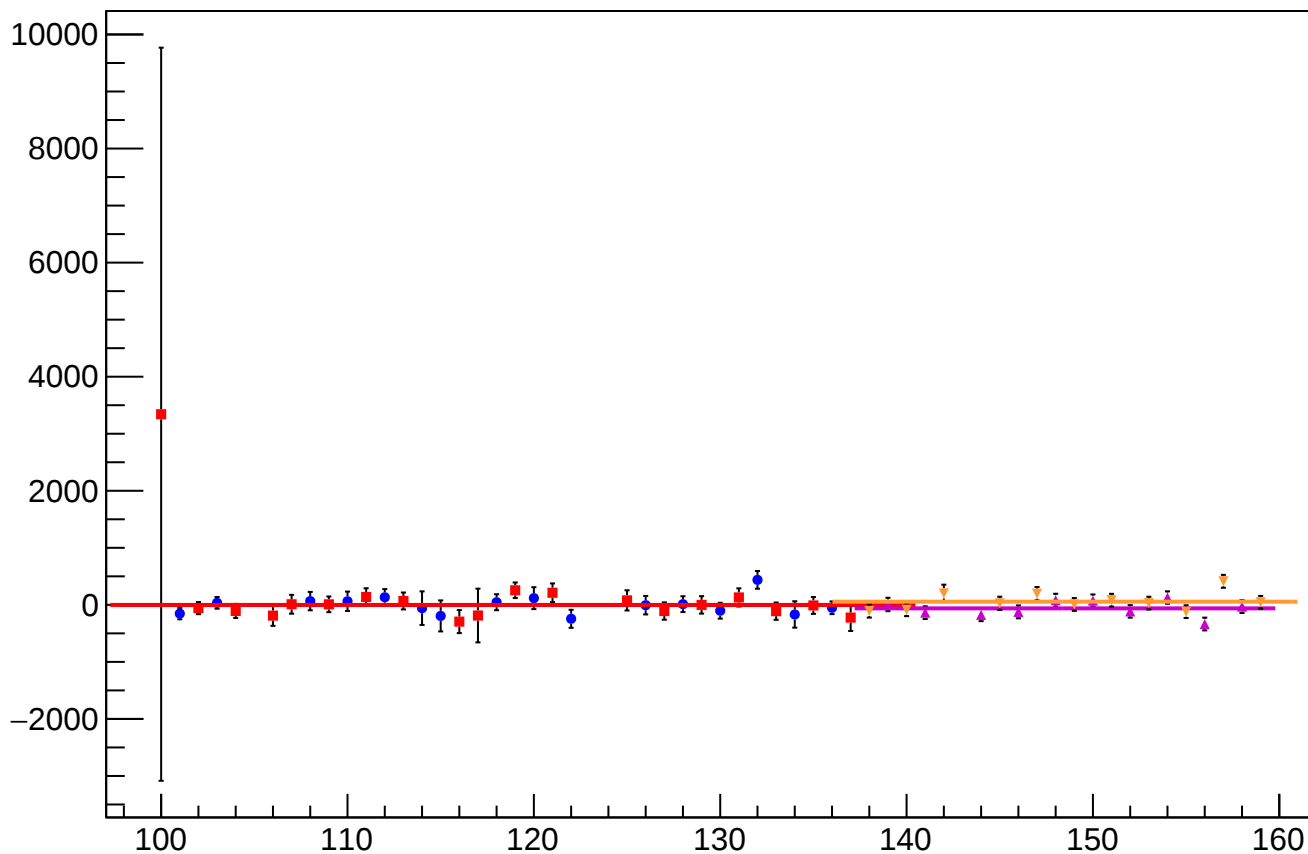
Right Out: 1.557+/-0.000 χ^2/NDF : 318750.9/18

Left In: 1.701+/-0.000 χ^2/NDF : 97407.5/9

1.511+/-0.000 χ^2/NDF : 870200.0/26

1.629+/-0.000 χ^2/NDF : 466359.6/28

asym_dsl_mean vs Slug



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

Left Out: 55.591 ± 34.958 χ^2/NDF : 18.6/10

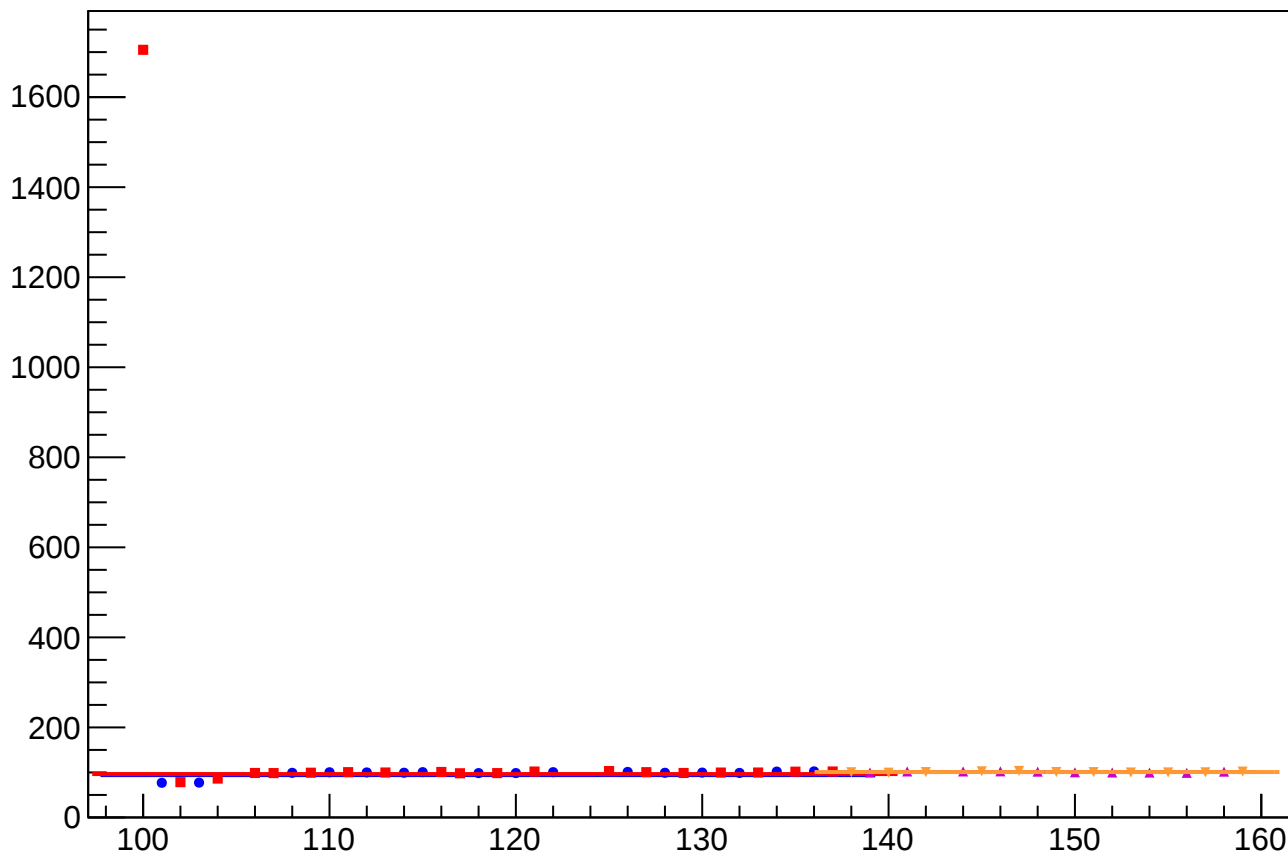
Right Out: -1.300 ± 36.598 χ^2/NDF : 13.7/18

Left In: -61.647 ± 35.249 χ^2/NDF : 14.7/9

27.690 ± 25.320 χ^2/NDF : 36.2/26

-32.606 ± 25.388 χ^2/NDF : 29.8/28

asym_dsl_rms vs Slug



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

Left Out: 100.867+/-0.025 χ^2/NDF : 2124.5/10

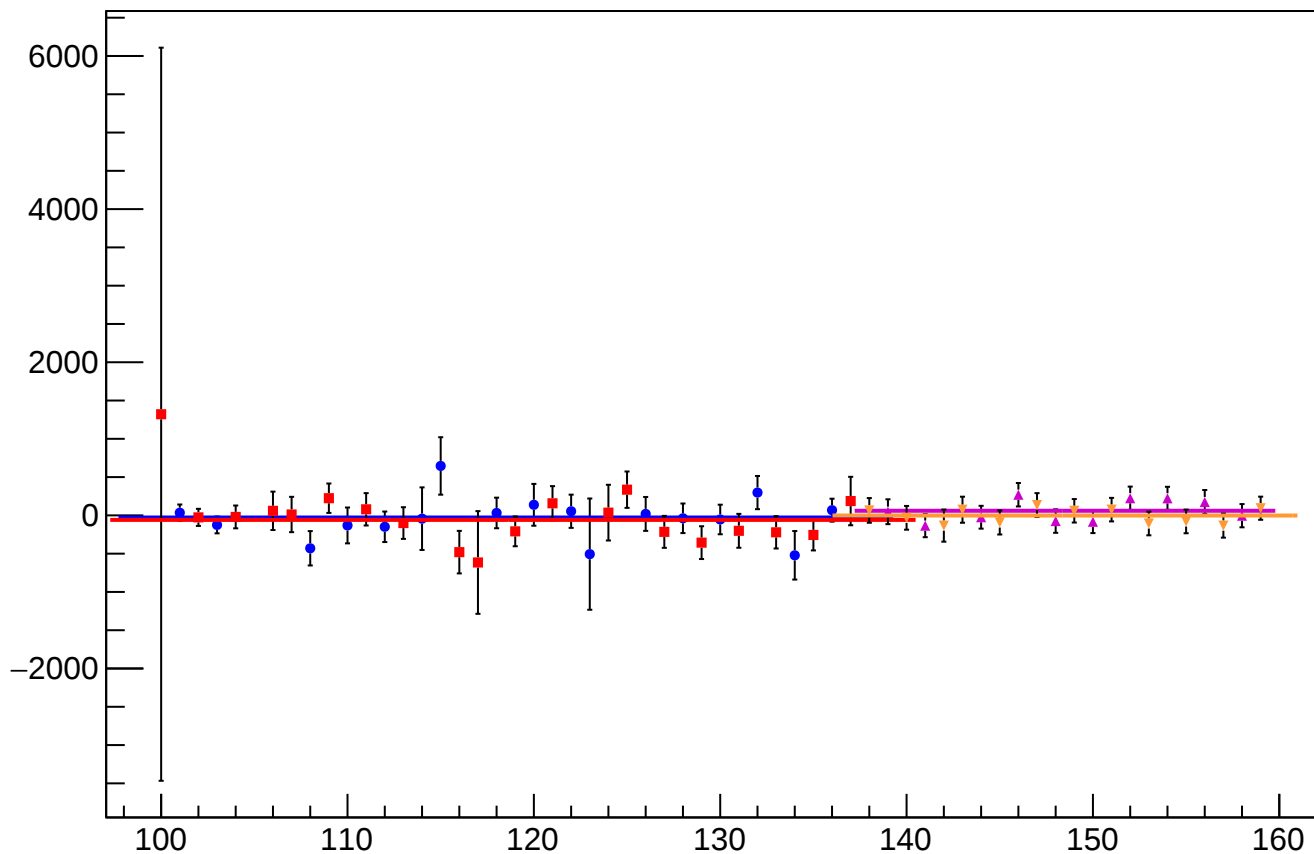
Right Out: 96.391+/-0.026 χ^2/NDF : 214389.8/18

Left In: 100.950+/-0.025 χ^2/NDF : 2318.8/9

97.647+/-0.018 χ^2/NDF : 190137.9/26

98.756+/-0.018 χ^2/NDF : 232803.0/28

reg_asym_dsr_mean vs Slug



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

Left Out: -1.855 ± 46.035 χ^2/NDF : 4.1/11

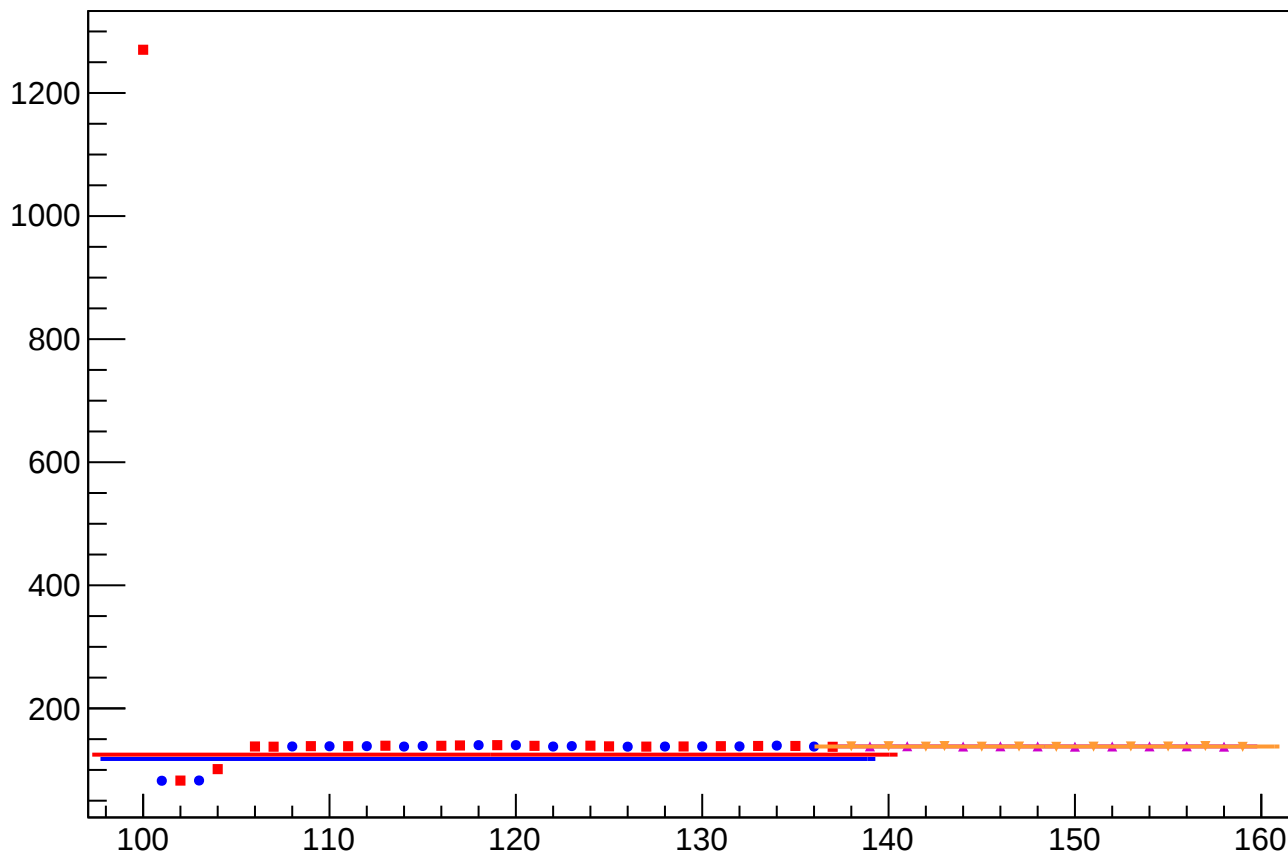
Right Out: -59.211 ± 47.588 χ^2/NDF : 15.6/19

Left In: 60.286 ± 48.263 χ^2/NDF : 8.6/9

-14.640 ± 32.811 χ^2/NDF : 18.6/28

-0.304 ± 33.886 χ^2/NDF : 27.3/29

reg_asym_dsr_rms vs Slug



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

Left Out: 138.041 $\pm$ 0.033 χ^2 /NDF:165.9/11

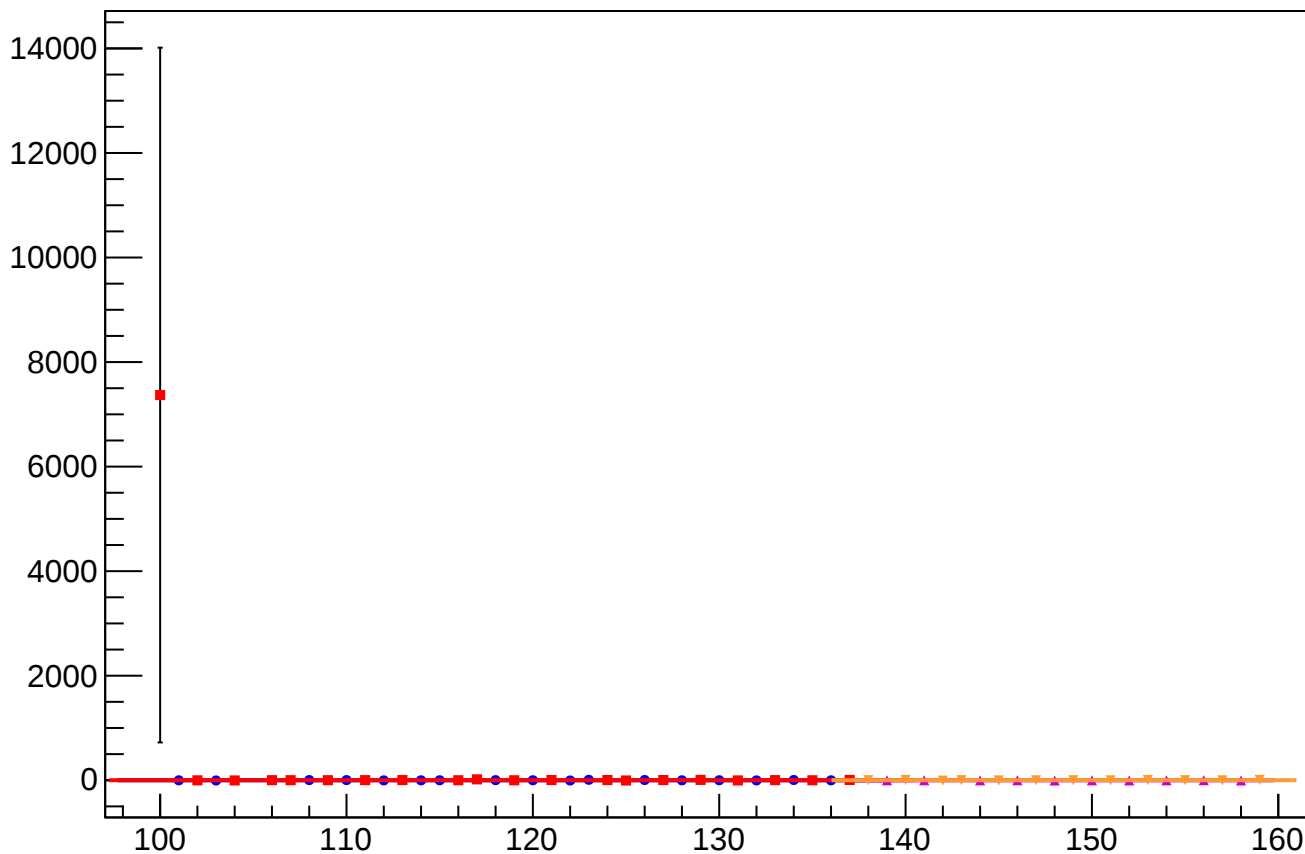
Right Out: 124.839 $\pm$ 0.034 χ^2 /NDF: 570766.0/19

Left In: 138.223 $\pm$ 0.034 χ^2 /NDF:41.5/9

128.090 $\pm$ 0.023 χ^2 /NDF: 856701.3/28

131.437 $\pm$ 0.024 χ^2 /NDF: 648800.5/29

asym_dsr_correction_mean vs Slug



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

Left Out: 0.841 ± 0.783 χ^2/NDF : 17.6/11

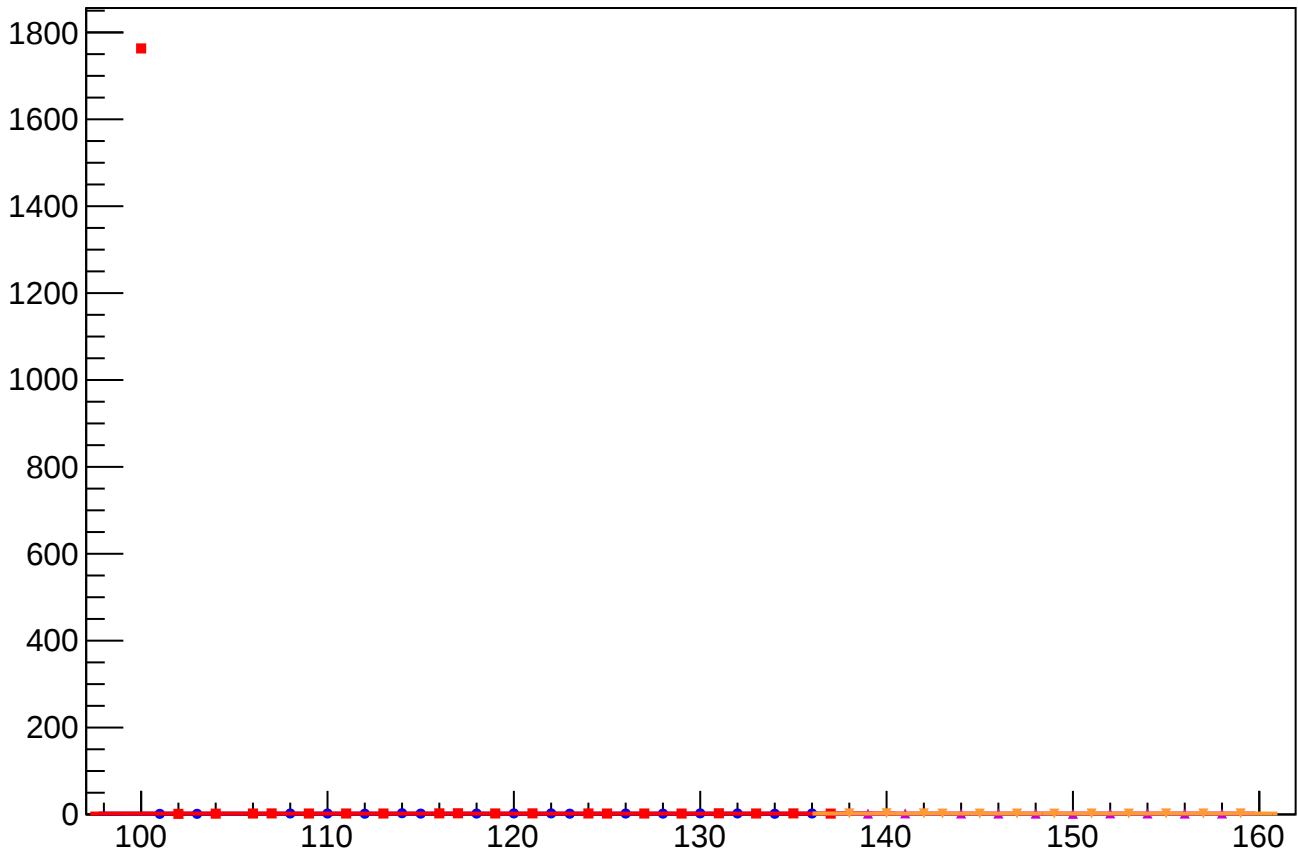
Right Out: 0.719 ± 0.849 χ^2/NDF : 15.3/19

Left In: -1.390 ± 0.816 χ^2/NDF : 4.1/9

0.099 ± 0.563 χ^2/NDF : 32.1/28

-0.377 ± 0.589 χ^2/NDF : 22.6/29

asym_dsr_correction_rms vs Slug



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

Left Out: 2.145 $\pm$ 0.001 χ^2 /NDF: 170740.8/11

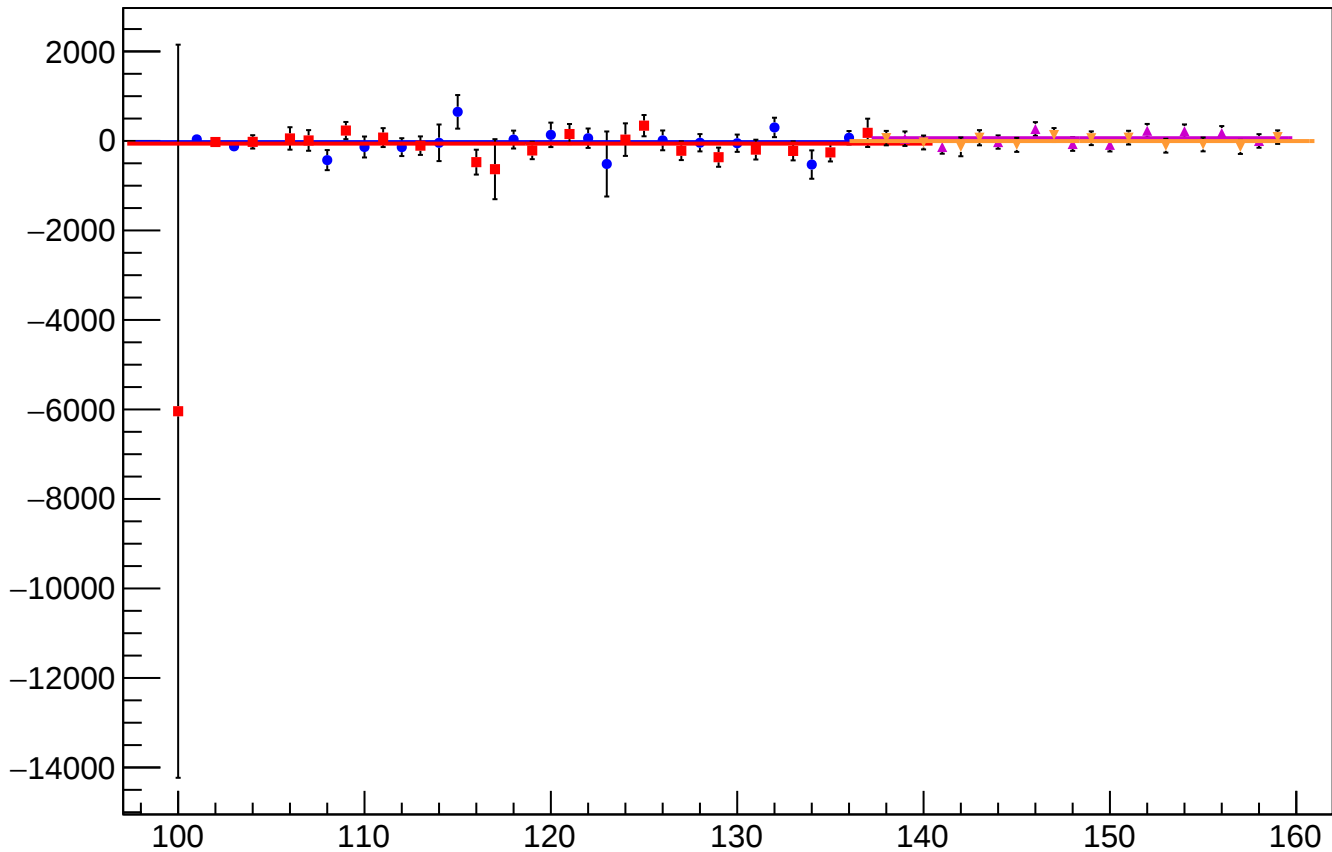
Right Out: 2.068 $\pm$ 0.001 χ^2 /NDF: 530286.7/19

Left In: 2.097 $\pm$ 0.001 χ^2 /NDF: 268544.0/9

2.012 $\pm$ 0.000 χ^2 /NDF: 783516.9/28

2.083 $\pm$ 0.000 χ^2 /NDF: 800060.9/29

asym_dsr_mean vs Slug



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

-14.507 ± 32.820 χ^2/NDF : 18.5/28

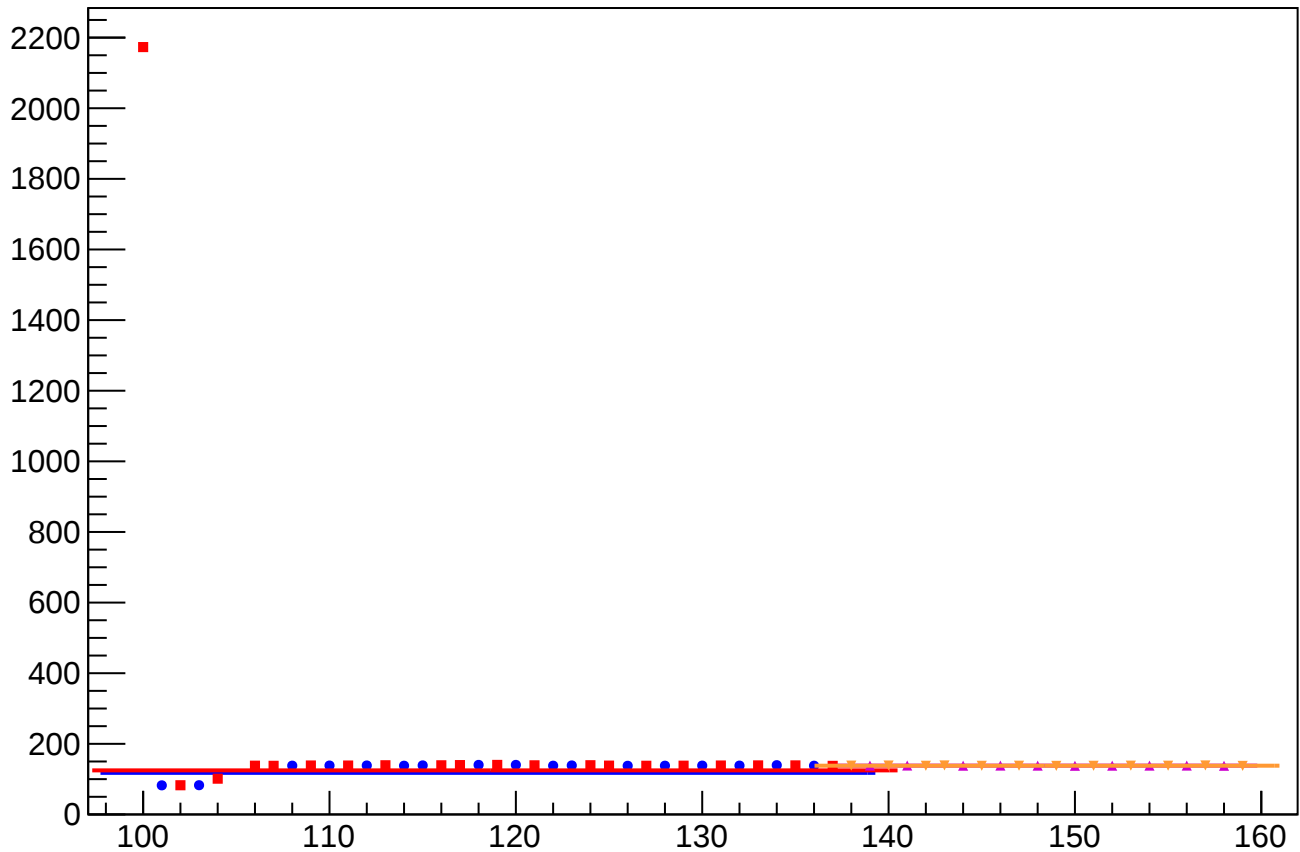
Left Out: -3.126 ± 46.047 χ^2/NDF : 4.0/11

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

-0.557 ± 33.895 χ^2/NDF : 28.0/29

Left In: 60.742 ± 48.275 χ^2/NDF : 8.5/9

asym_dsr_rms vs Slug



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

Left Out: 138.077 $\pm$ 0.033 χ^2 /NDF: 165.4/11

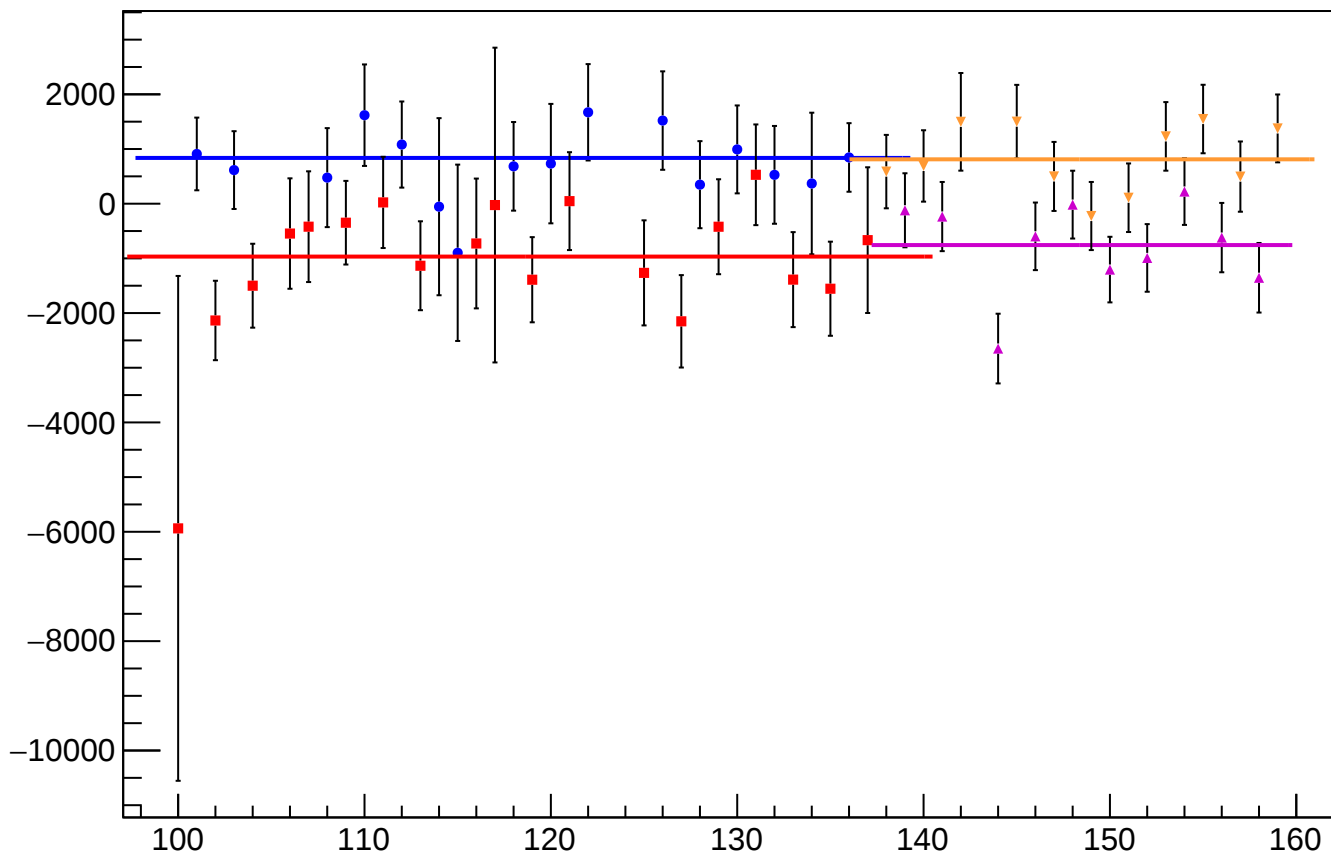
Right Out: 124.828 $\pm$ 0.034 χ^2 /NDF: 581349.7/19

Left In: 138.260 $\pm$ 0.034 χ^2 /NDF: 41.4/9

128.124 $\pm$ 0.023 χ^2 /NDF: 856715.5/28

131.450 $\pm$ 0.024 χ^2 /NDF: 659896.1/29

reg_asym_left_avg_mean vs Slug



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

Left Out: 811.414 ± 196.985 χ^2/NDF : 9.0/10

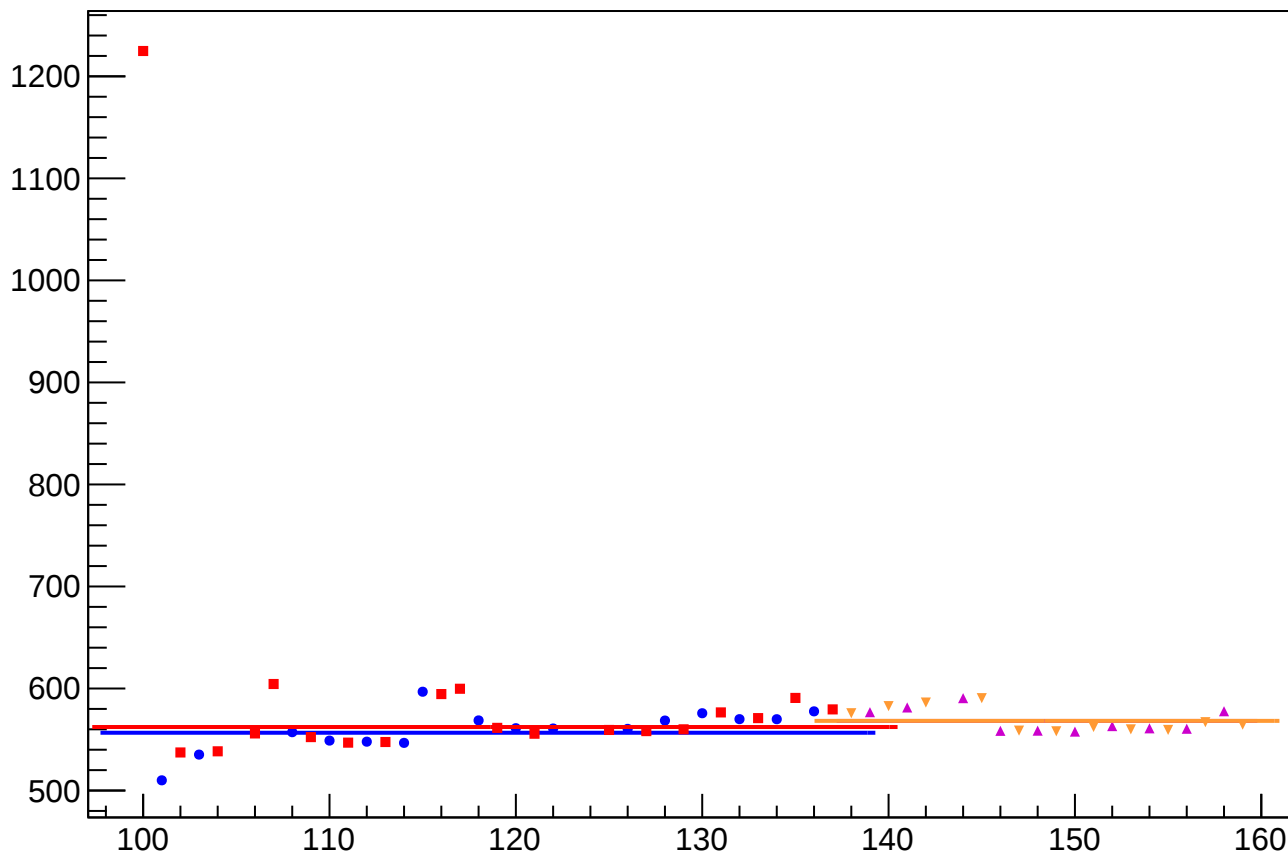
Right Out: -967.277 ± 212.168 χ^2/NDF : 14.4/18

Left In: -756.562 ± 198.418 χ^2/NDF : 16.1/9

823.042 ± 145.604 χ^2/NDF : 13.7/26

-854.871 ± 144.920 χ^2/NDF : 31.0/28

reg_asym_left_avg_rms vs Slug



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

Left Out: 568.278 ± 0.139 χ^2/NDF : 6235.4/10

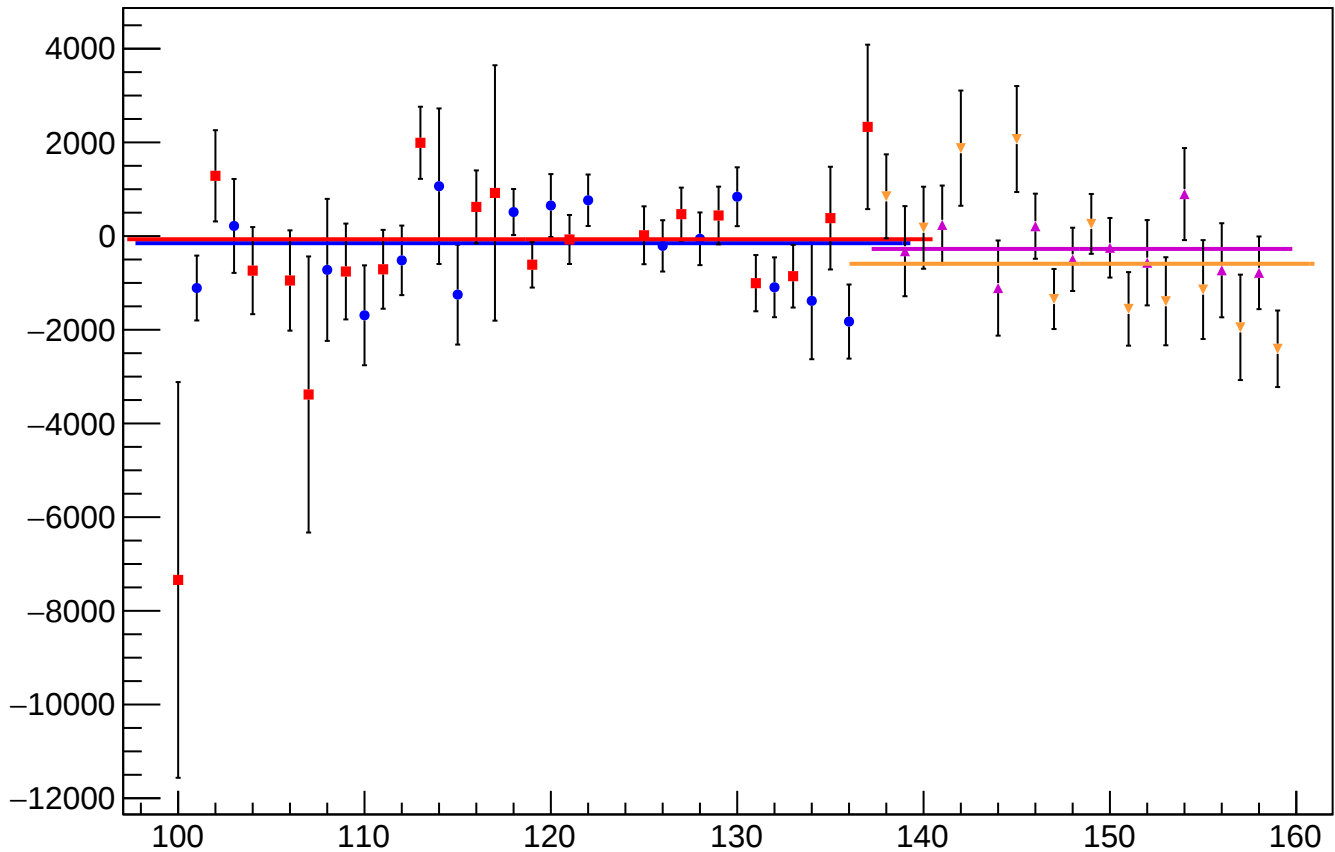
Right Out: 562.253 ± 0.150 χ^2/NDF : 55916.7/18

Left In: 568.189 ± 0.140 χ^2/NDF : 6372.1/9

562.997 ± 0.103 χ^2/NDF : 27795.3/26

565.419 ± 0.102 χ^2/NDF : 63123.9/28

asym_left_avg_correction_mean vs Slug



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

Left Out: -590.656+/-259.854 χ^2/NDF : 25.0/10

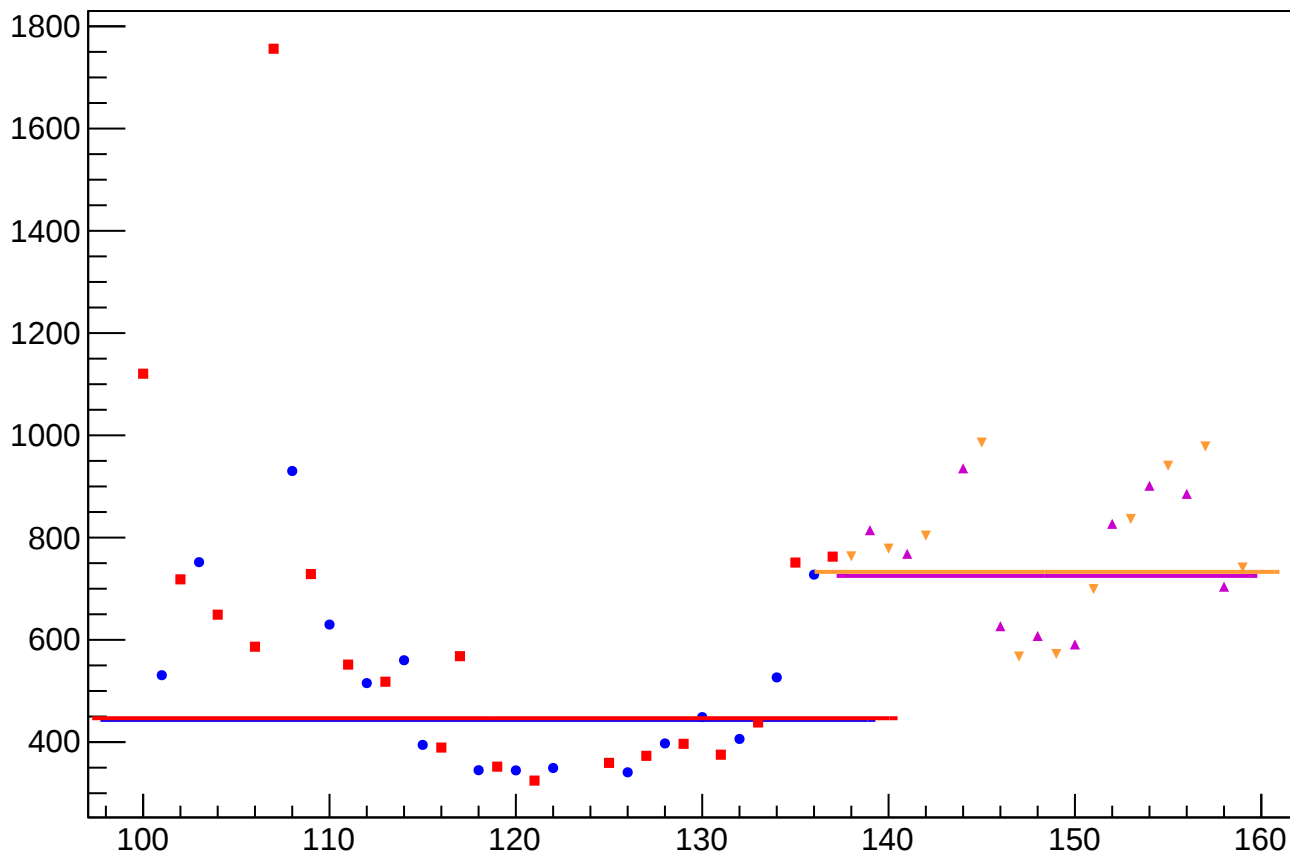
Right Out: -67.516+/-178.283 χ^2/NDF : 25.1/18

Left In: -274.054+/-257.399 χ^2/NDF : 3.8/9

-294.232+/-148.011 χ^2/NDF : 49.2/26

-134.477+/-146.561 χ^2/NDF : 29.4/28

asym_left_avg_correction_rms vs Slug



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

Left Out: 732.969+/-0.184 χ^2/NDF : 574537.2/10

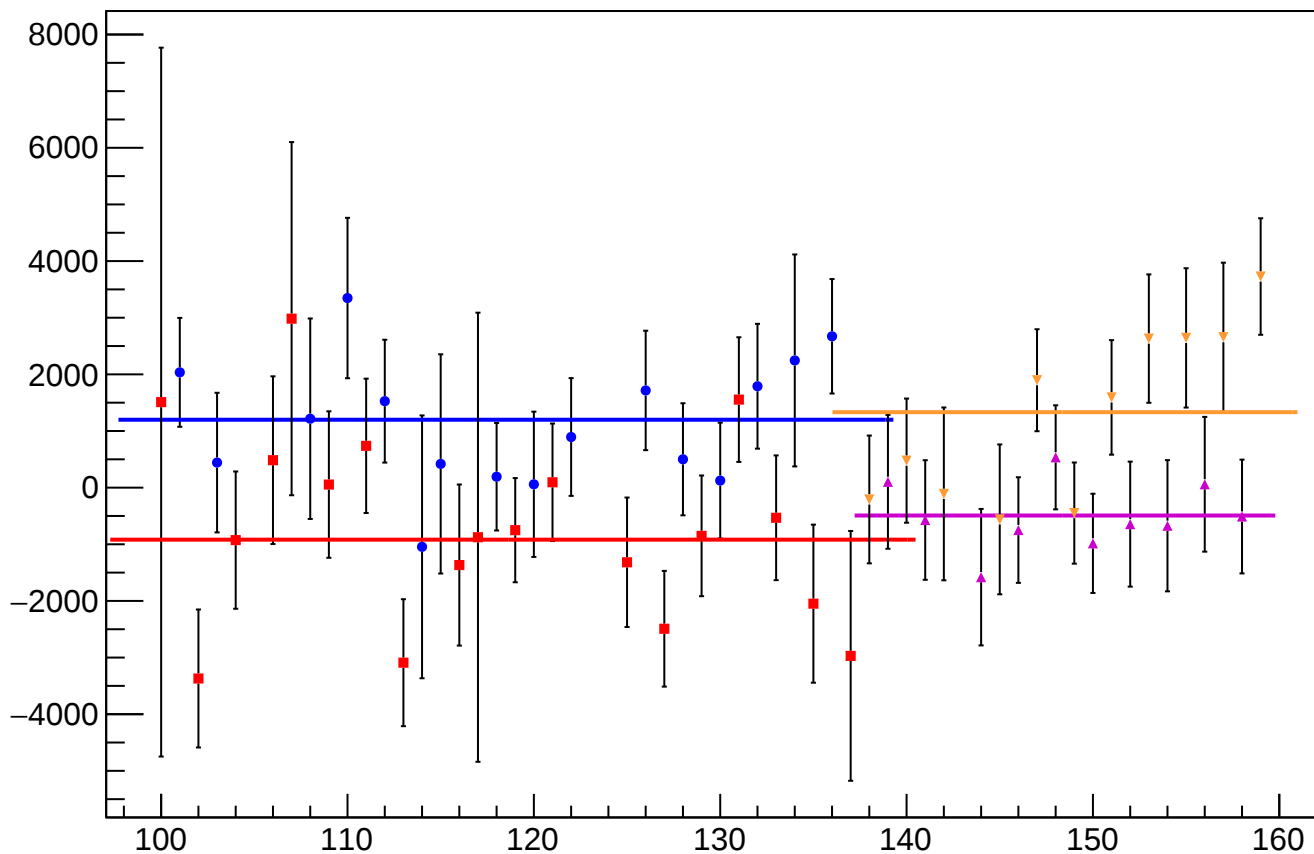
Right Out: 446.668+/-0.126 χ^2/NDF : 1463968.9/18

Left In: 725.055+/-0.182 χ^2/NDF : 439690.0/9

537.381+/-0.105 χ^2/NDF : 3312686.7/26

536.923+/-0.104 χ^2/NDF : 3484645.3/28

asym_left_avg_mean vs Slug



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

Left Out: 1332.434 ± 332.442 χ^2/NDF : 18.7/10

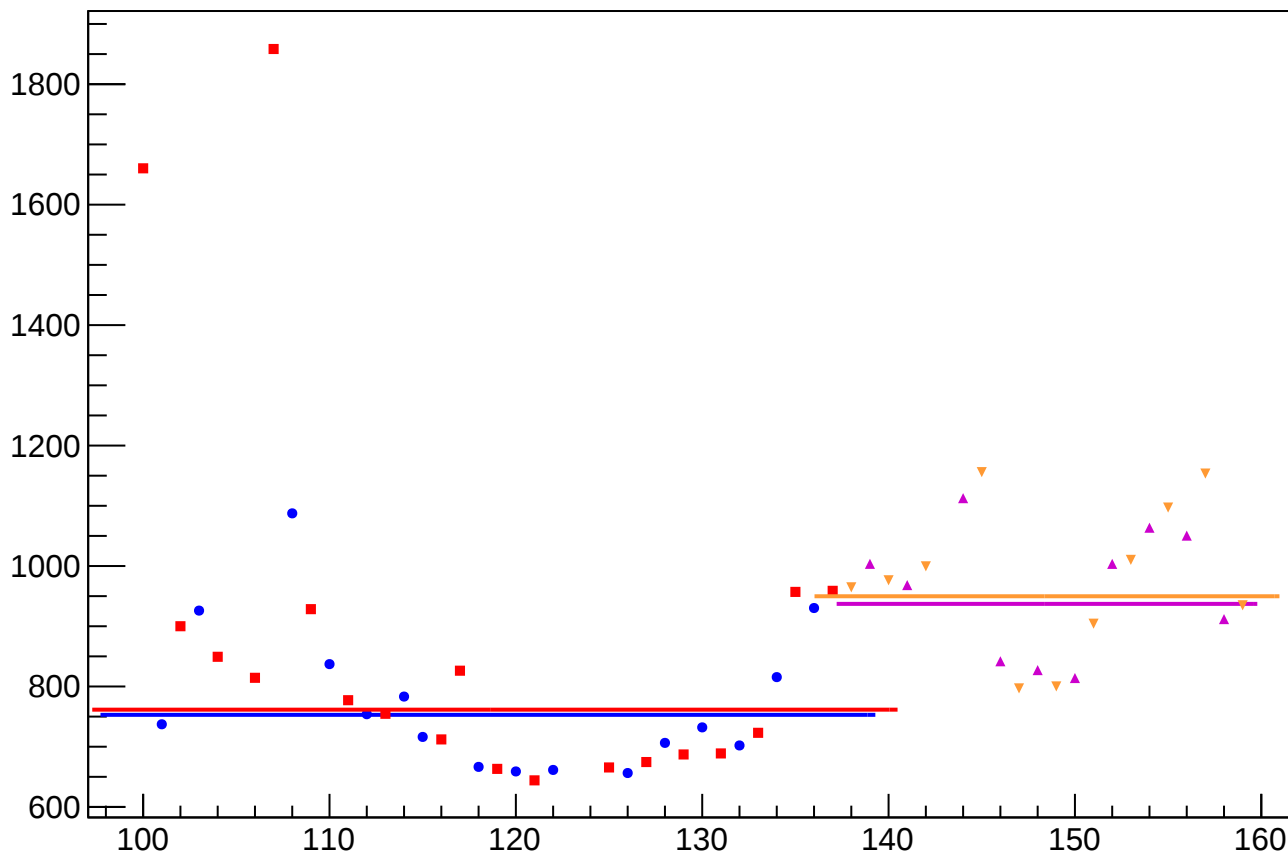
Right Out: -918.180 ± 292.495 χ^2/NDF : 23.2/18

Left In: -492.217 ± 329.569 χ^2/NDF : 3.0/9

1257.821 ± 220.753 χ^2/NDF : 30.0/26

-730.495 ± 218.764 χ^2/NDF : 27.1/28

asym_left_avg_rms vs Slug



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

Left Out: 949.794+/-0.235 χ^2/NDF :252952.3/10

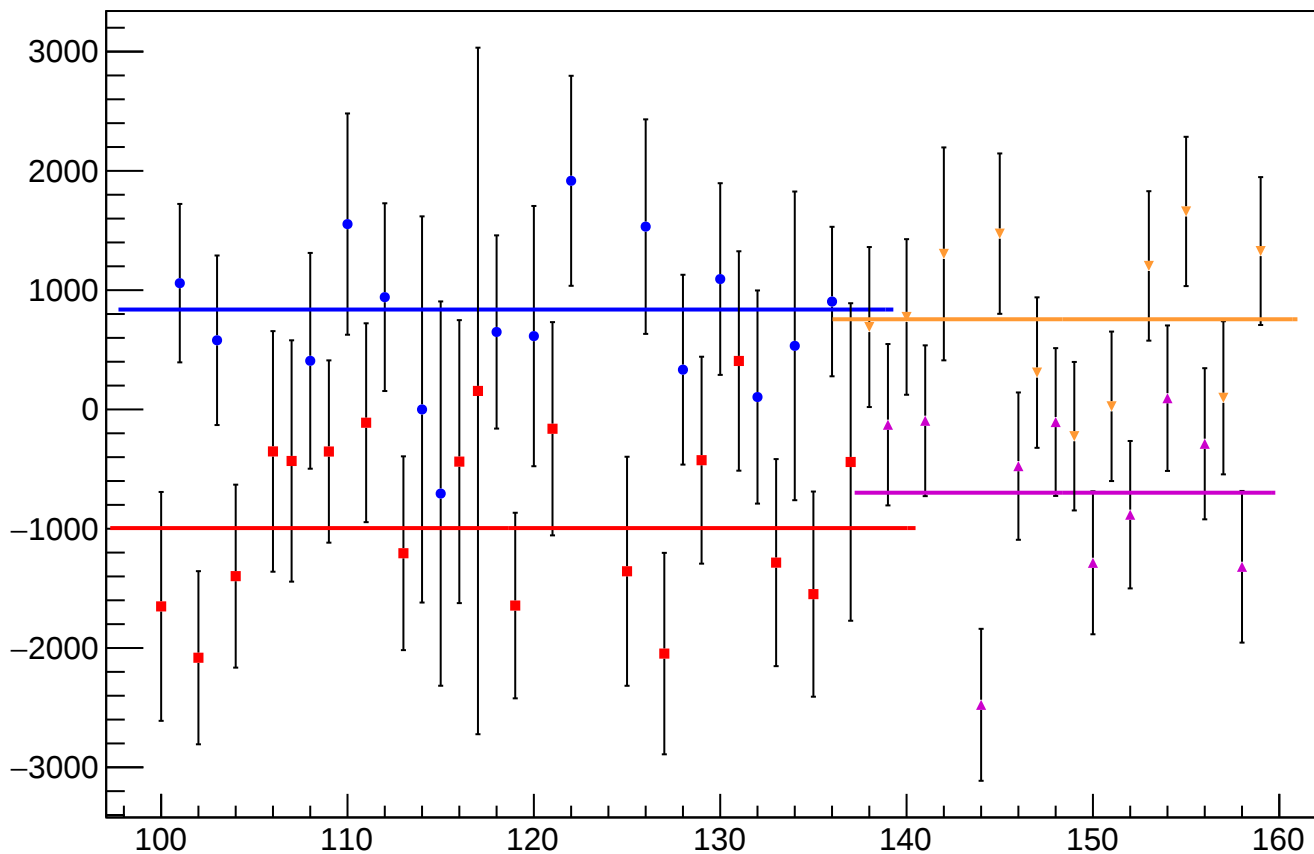
Right Out: 761.514+/-0.207 χ^2/NDF : 517672.2/18

Left In: 937.149+/-0.233 χ^2/NDF :190122.0/9

839.740+/-0.156 χ^2/NDF : 897541.2/26

838.901+/-0.155 χ^2/NDF : 1025531.9/28

reg_asym_left_dd_mean vs Slug



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

Left Out: 756.087 ± 196.822 $\chi^2/\text{NDF}: 10.4/10$

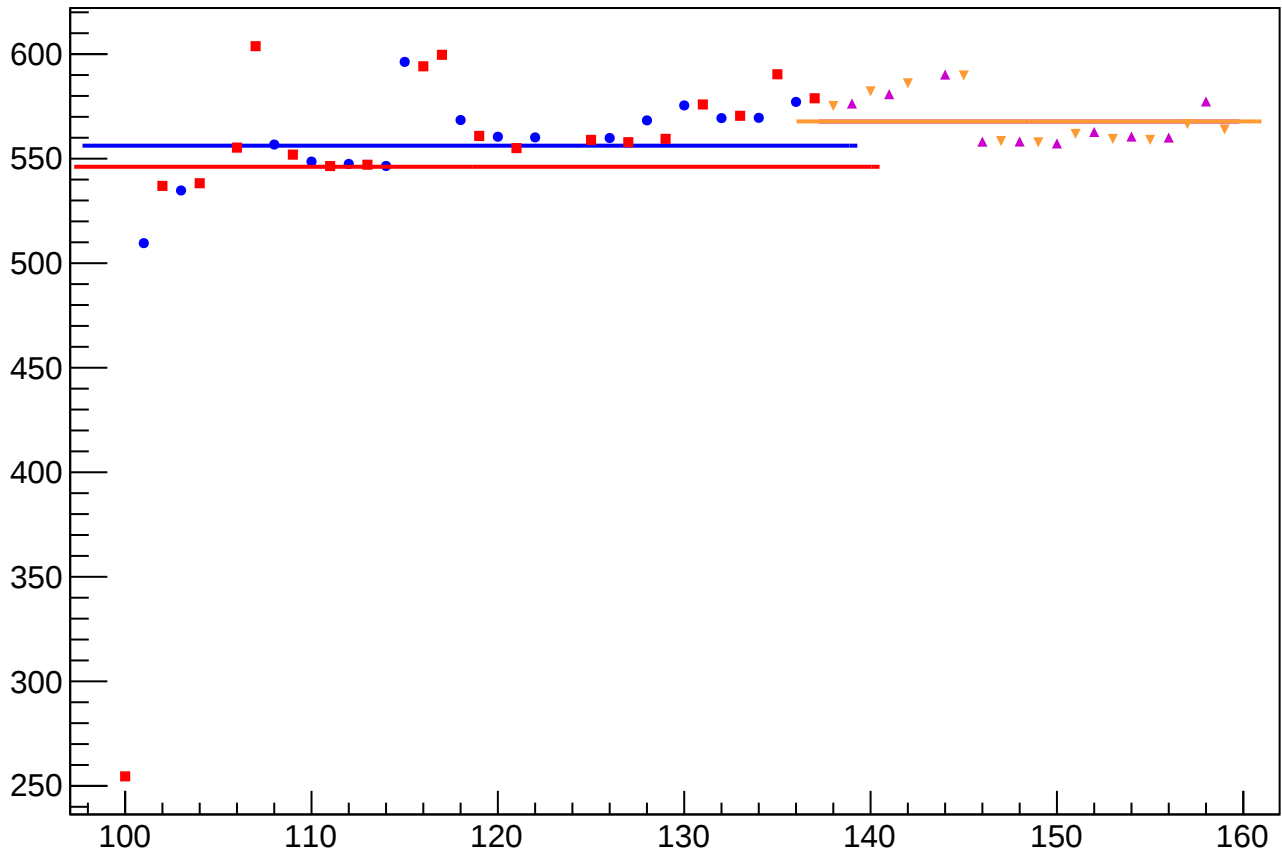
Right Out: -994.626 ± 207.208 $\chi^2/\text{NDF}: 12.7/18$

Left In: -698.102 ± 198.269 $\chi^2/\text{NDF}: 14.6/9$

793.042 ± 145.488 $\chi^2/\text{NDF}: 16.1/26$

-839.830 ± 143.253 $\chi^2/\text{NDF}: 28.3/28$

reg_asym_left_dd_rms vs Slug



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

Left Out: 567.809 $\pm$ 0.139 χ^2 /NDF: 6170.0/10

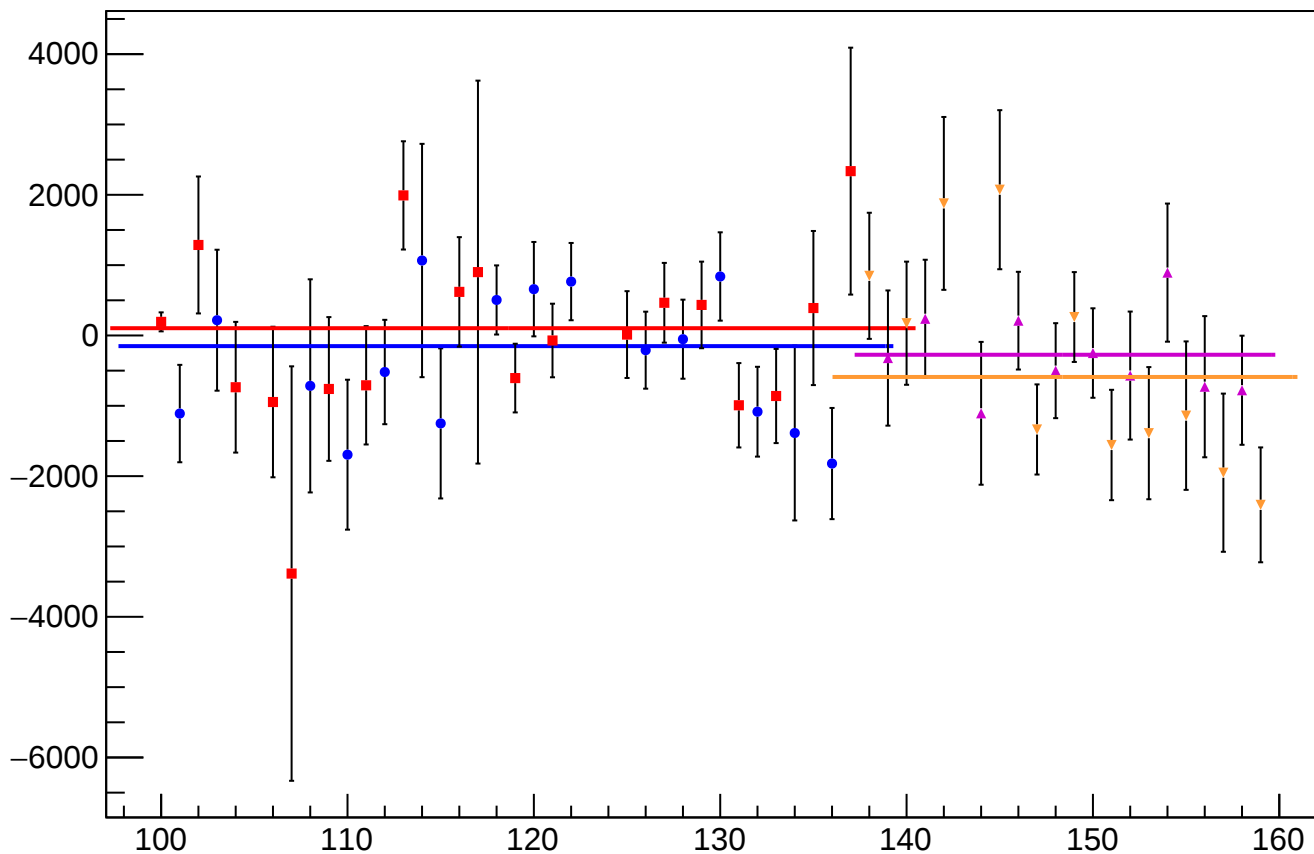
Right Out: 546.124 $\pm$ 0.147 χ^2 /NDF: 208336.6/18

Left In: 567.760 $\pm$ 0.140 χ^2 /NDF: 6393.2/9

562.548 $\pm$ 0.103 χ^2 /NDF: 27738.1/26

557.419 $\pm$ 0.101 χ^2 /NDF: 226113.7/28

asym_left_dd_correction_mean vs Slug



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

Left Out: -589.915 ± 259.729 χ^2/NDF : 25.0/10

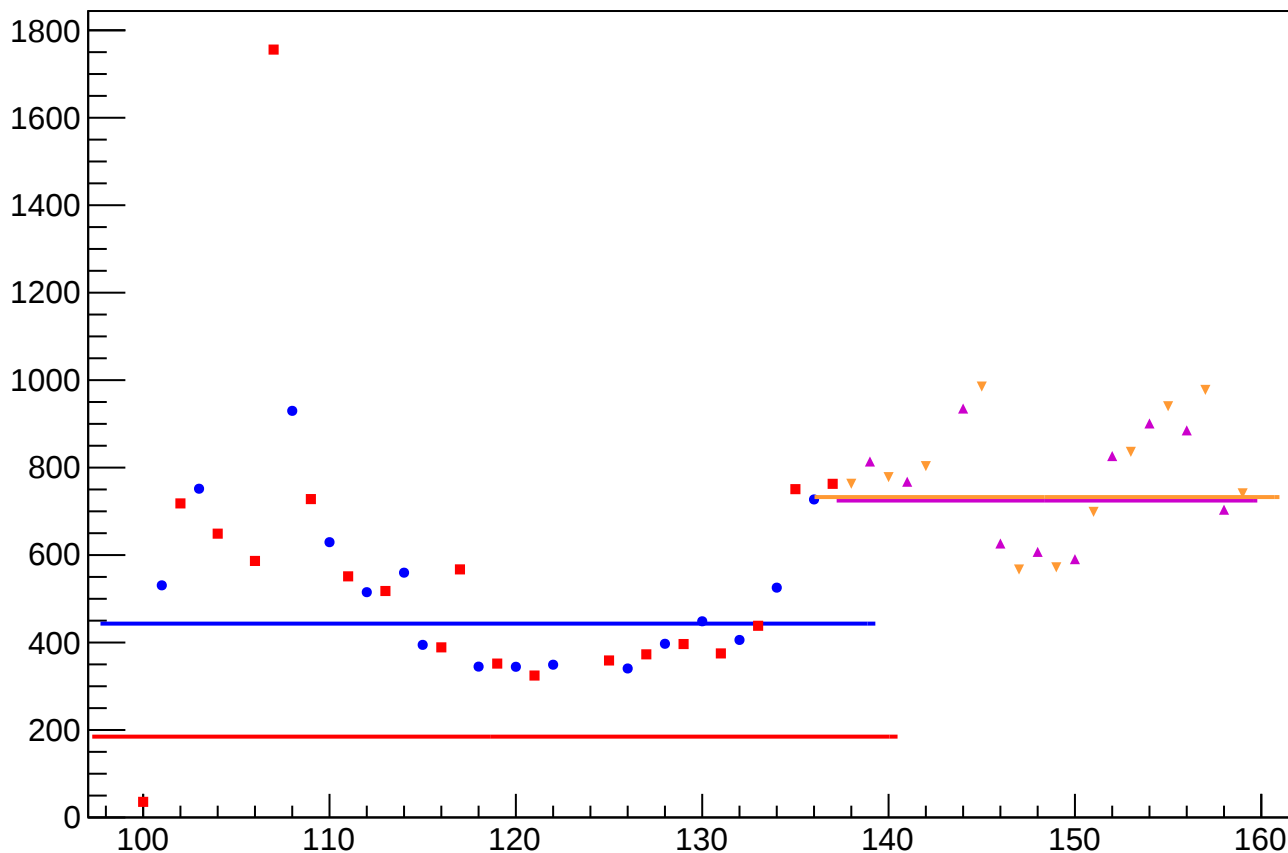
Right Out: 103.328 ± 107.623 χ^2/NDF : 23.3/18

Left In: -274.136 ± 257.264 χ^2/NDF : 3.8/9

-293.709 ± 147.939 χ^2/NDF : 49.2/26

47.109 ± 99.285 χ^2/NDF : 29.0/28

asym_left_dd_correction_rms vs Slug



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

Left Out: 732.612+/-0.184 χ^2/NDF : 574823.7/10

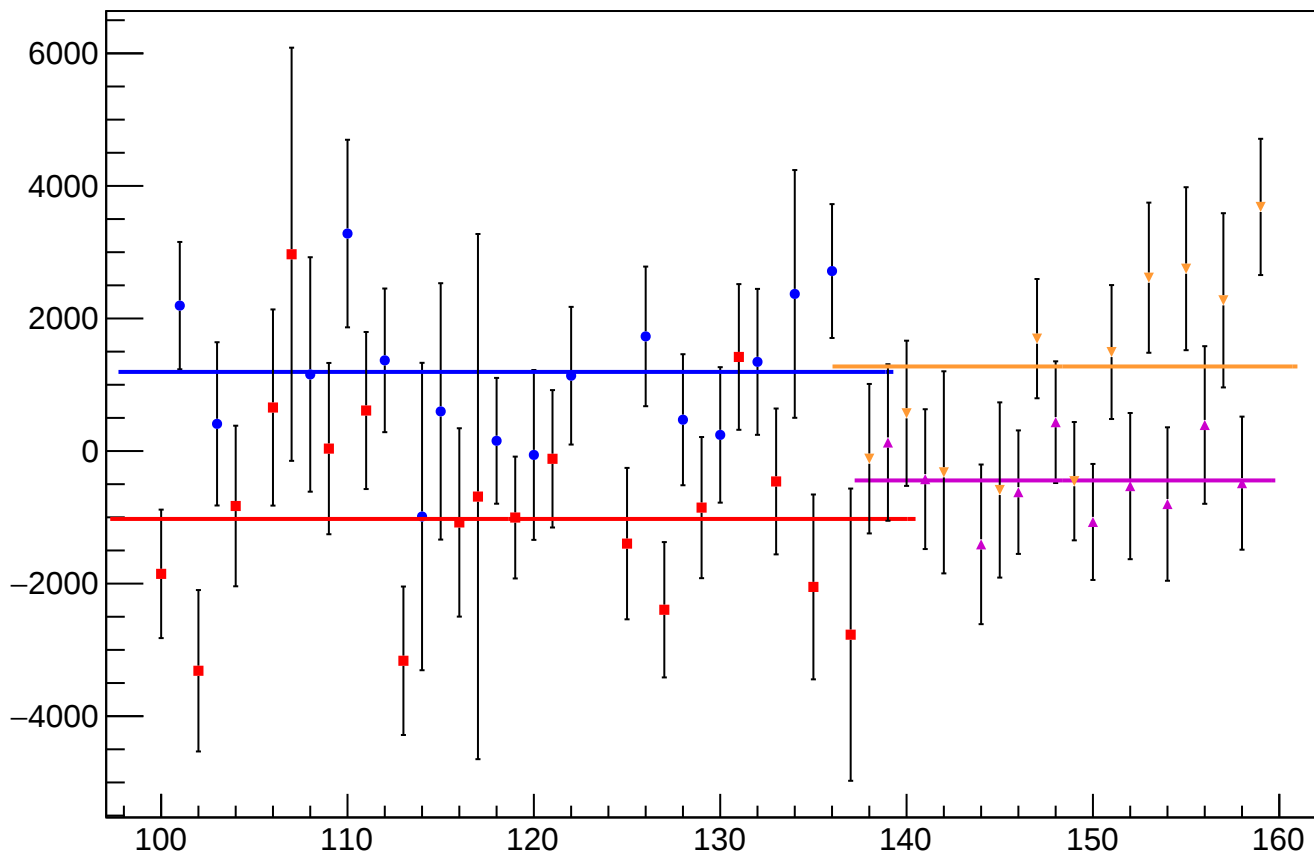
Right Out: 184.814+/-0.076 χ^2/NDF : 8119311.6/18

Left In: 724.672+/-0.182 χ^2/NDF : 439609.8/9

537.123+/-0.105 χ^2/NDF : 3312753.7/26

265.220+/-0.070 χ^2/NDF : 16054248.0/28

asym_left_dd_mean vs Slug



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

Left Out: 1275.937 ± 332.248 χ^2/NDF : 17.9/10

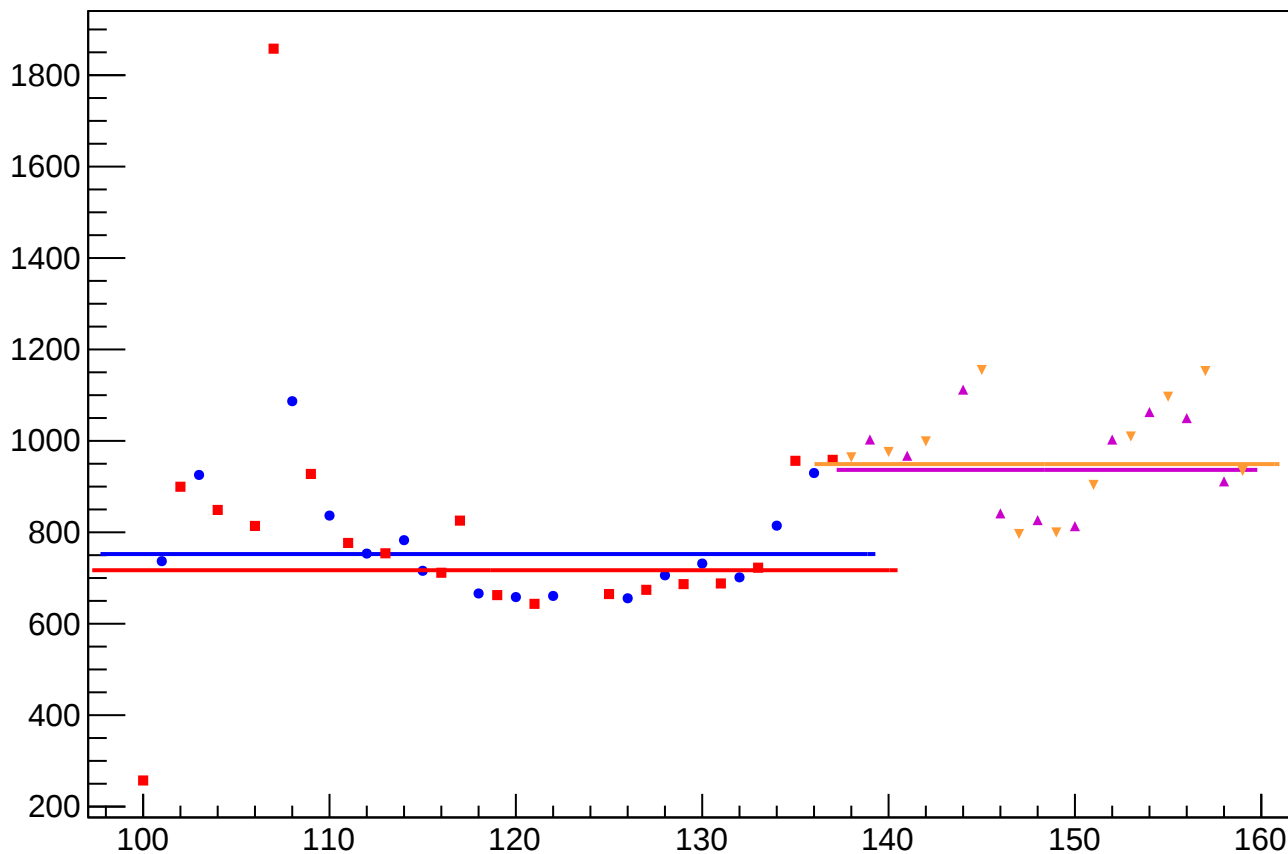
Right Out: -1024.435 ± 280.119 χ^2/NDF : 22.5/18

Left In: -443.459 ± 329.366 χ^2/NDF : 2.9/9

1230.042 ± 220.614 χ^2/NDF : 29.2/26

-780.586 ± 213.383 χ^2/NDF : 27.3/28

asym_left_dd_rms vs Slug



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

Left Out: 949.242+/-0.235 χ^2/NDF : 252890.8/10

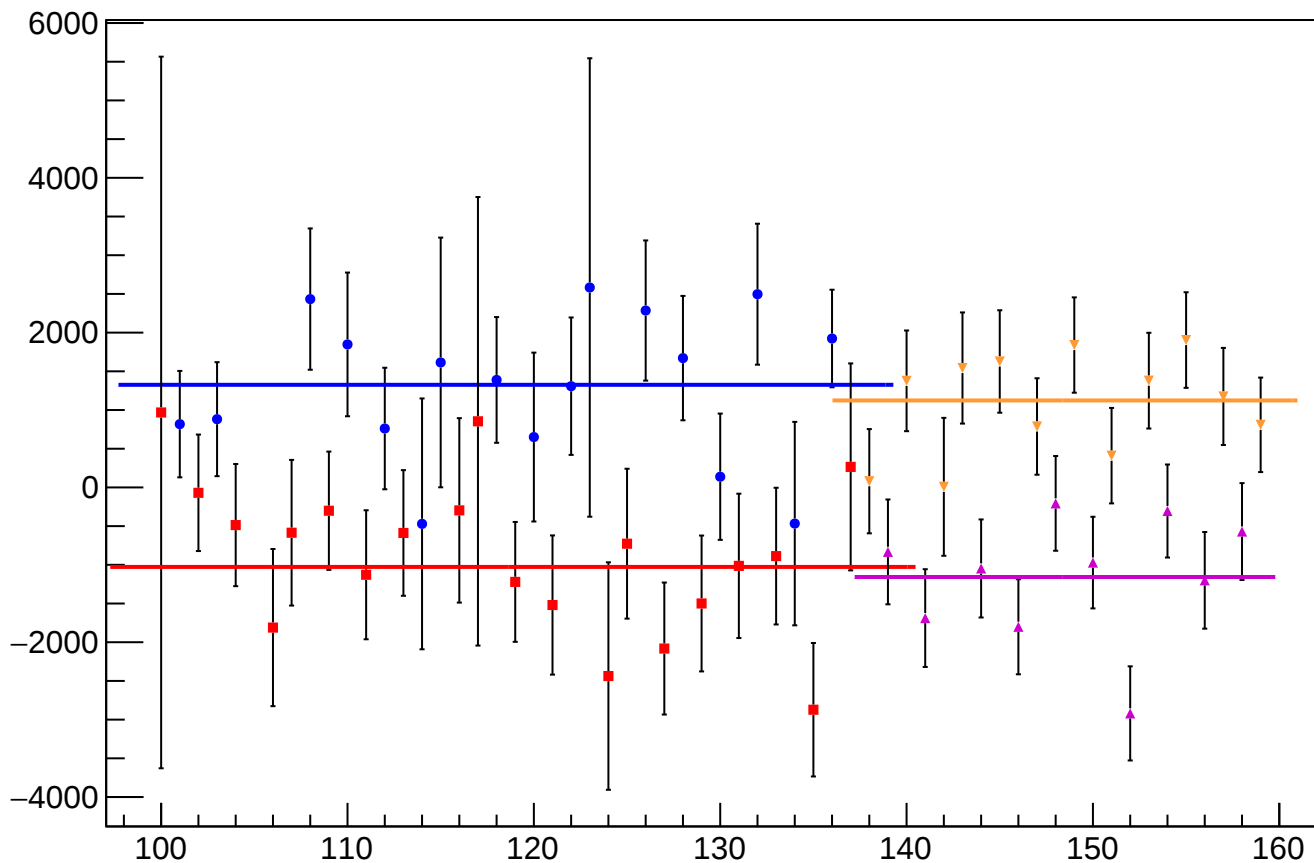
Right Out: 717.067+/-0.198 χ^2/NDF : 968442.7/18

Left In: 936.566+/-0.233 χ^2/NDF : 190151.1/9

839.204+/-0.156 χ^2/NDF : 897971.5/26

809.196+/-0.151 χ^2/NDF : 1674024.8/28

reg_asym_right_avg_mean vs Slug



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

Left Out: 1123.775 ± 187.803 χ^2/NDF : 10.1/11

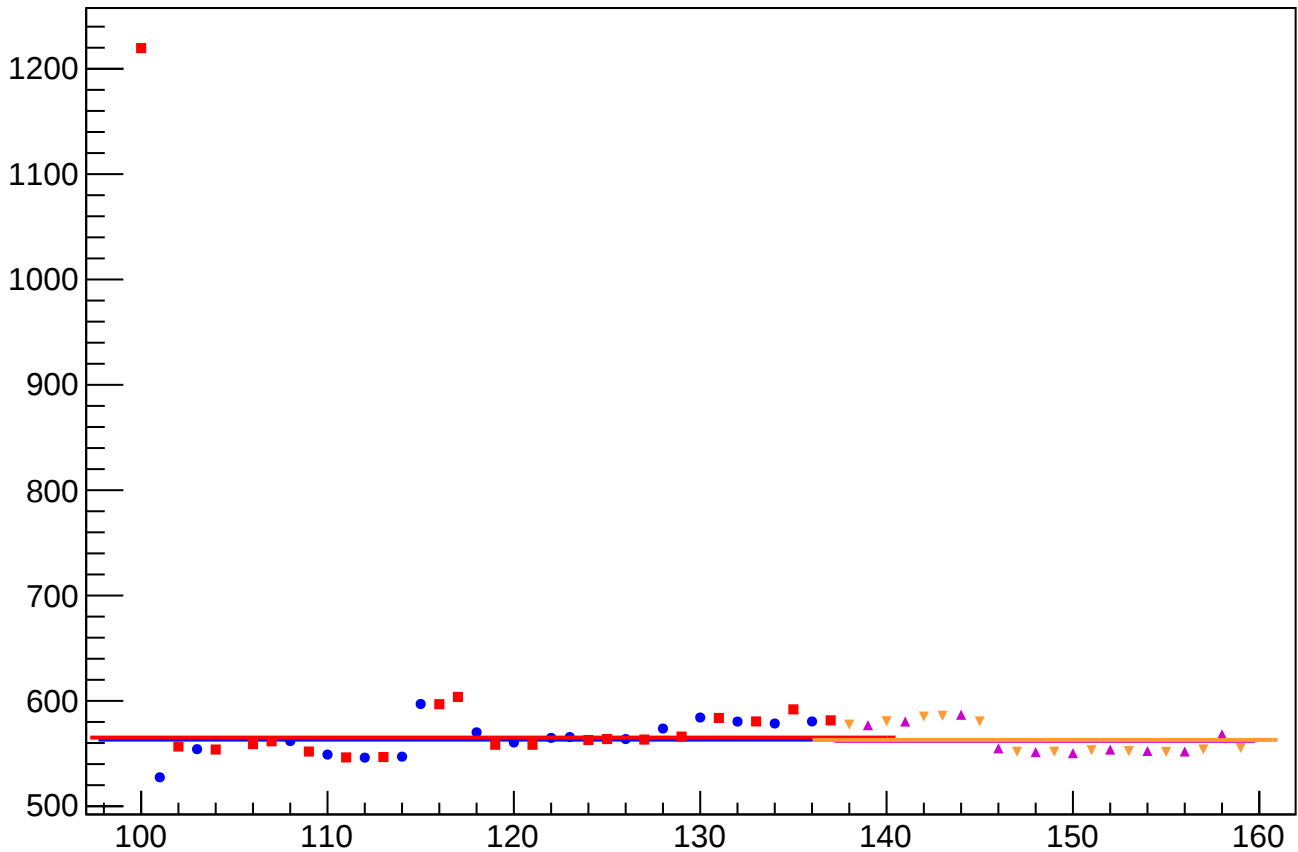
Right Out: -1026.996 ± 211.021 χ^2/NDF : 13.8/19

Left In: -1157.288 ± 196.301 χ^2/NDF : 15.9/9

1209.779 ± 142.314 χ^2/NDF : 23.4/28

-1096.844 ± 143.728 χ^2/NDF : 29.9/29

reg_asym_right_avg_rms vs Slug



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

Left Out: 562.964+/-0.133 χ^2/NDF : 10912.3/11

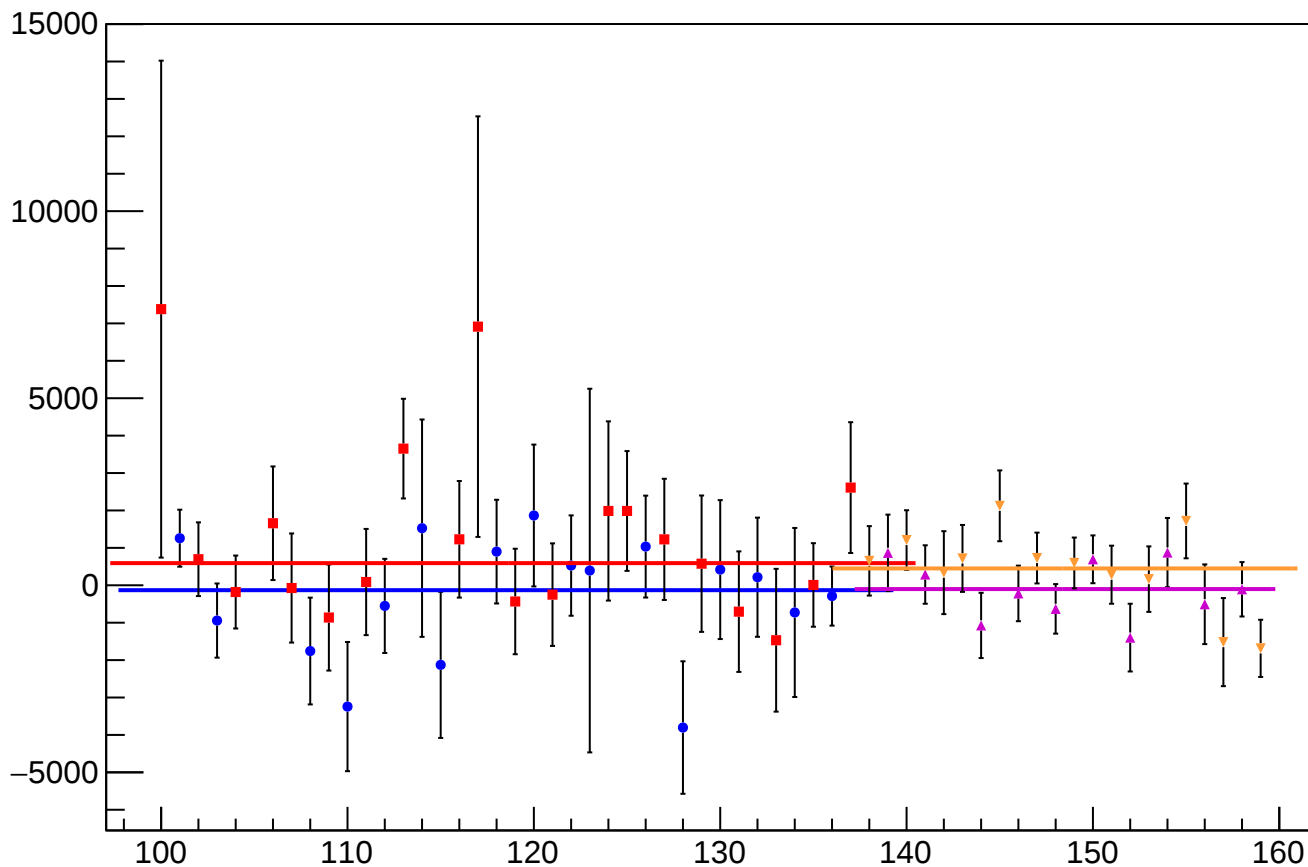
Right Out: 565.150+/-0.149 χ^2/NDF : 49653.1/19

Left In: 562.082+/-0.139 χ^2/NDF : 8962.2/9

563.092+/-0.101 χ^2/NDF : 23434.8/28

563.506+/-0.102 χ^2/NDF : 58841.9/29

asym_right_avg_correction_mean vs Slug



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

Left Out: 450.582+/-245.029 χ^2 /NDF:16.8/11

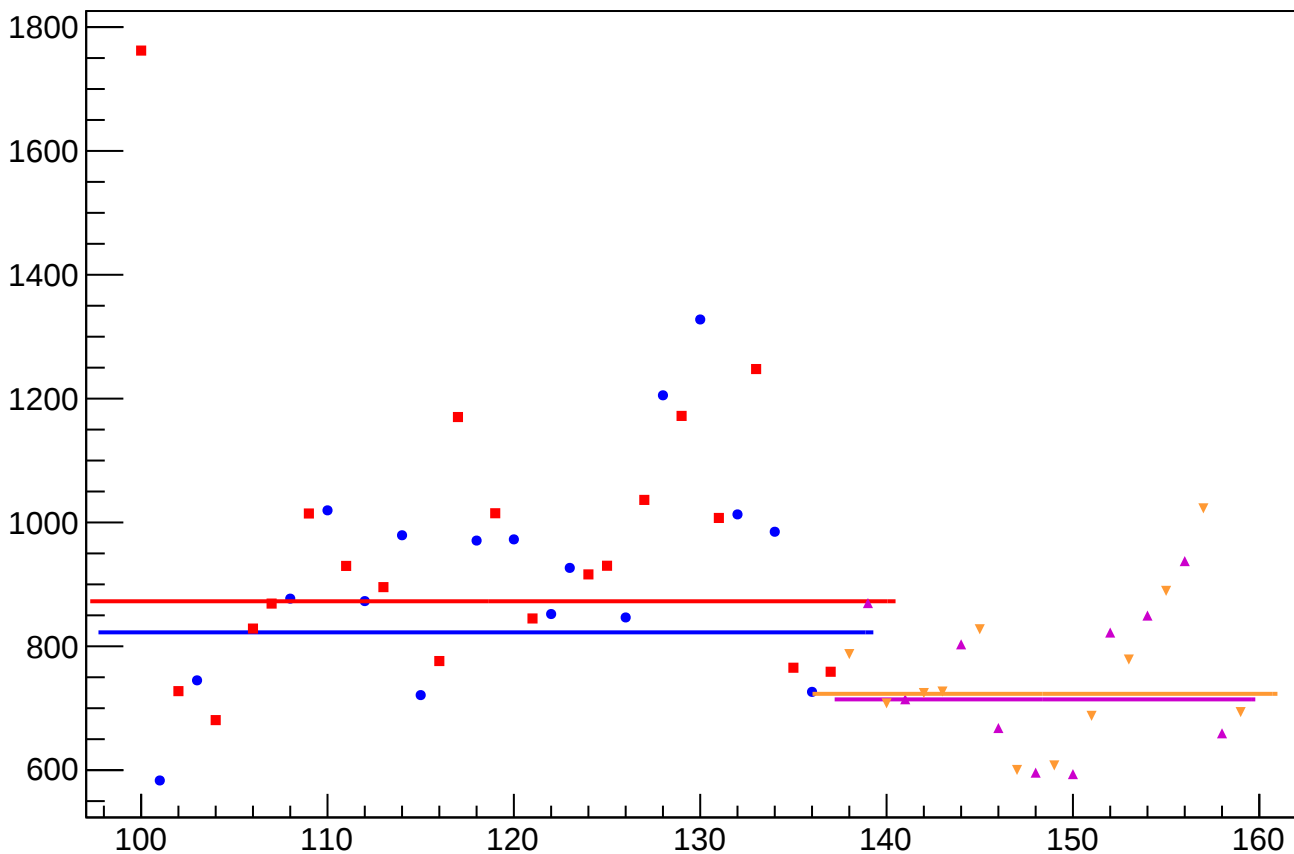
Right Out: 591.948+/-331.825 χ^2 /NDF: 15.9/19

Left In: -101.420+/-253.068 χ^2 /NDF:7.9/9

241.900+/-196.213 χ^2 /NDF: 36.0/28

153.564+/-201.226 χ^2 /NDF: 26.5/29

asym_right_avg_correction_rms vs Slug



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

Left Out: 723.249 ± 0.173 χ^2/NDF : 358277.5/11

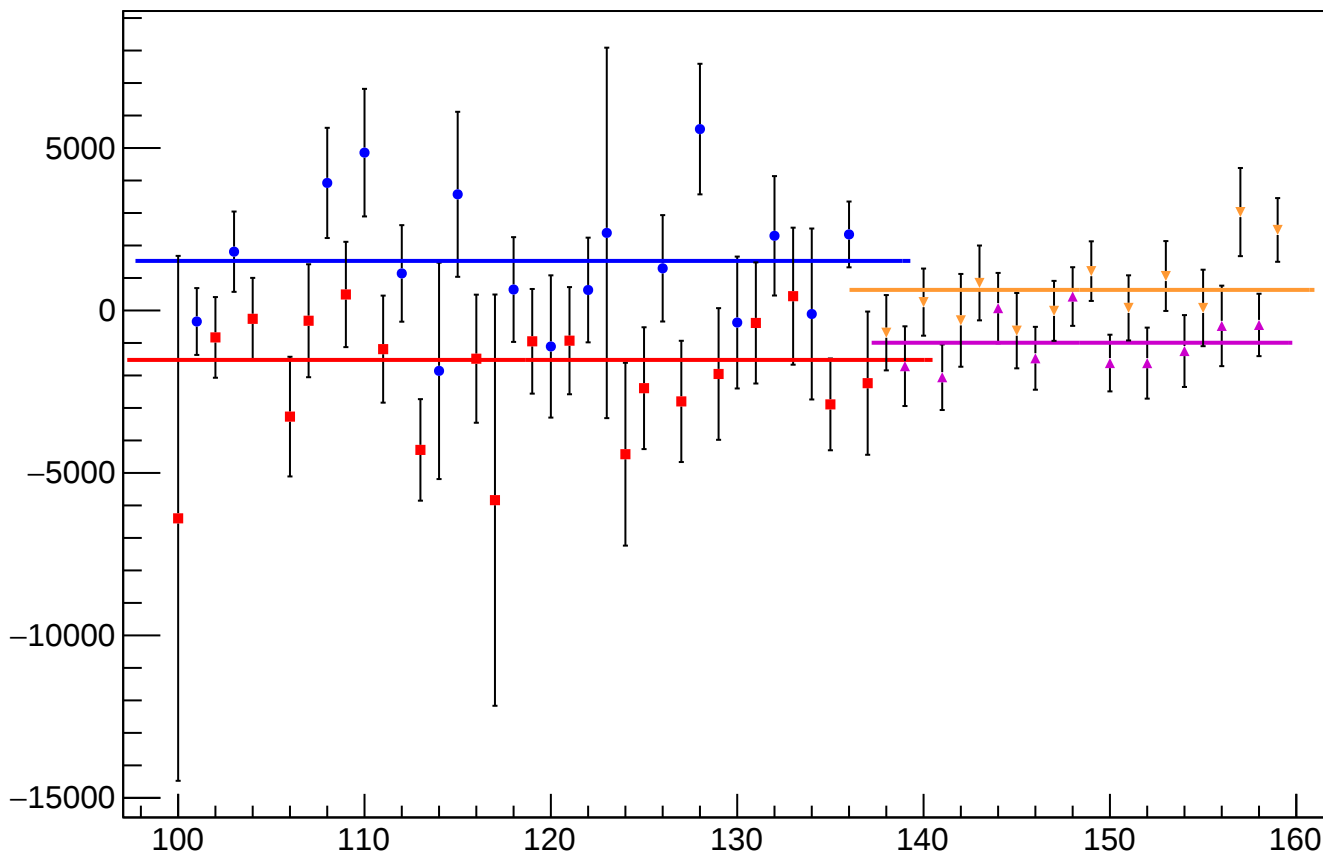
Right Out: 872.719 ± 0.235 χ^2/NDF : 412481.2/19

Left In: 714.267 ± 0.179 χ^2/NDF : 380442.3/9

758.866 ± 0.139 χ^2/NDF : 1077020.8/28

772.538 ± 0.142 χ^2/NDF : 1081259.9/29

asym_right_avg_mean vs Slug



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

Left Out: 633.433+/-313.130 χ^2/NDF : 11.3/11

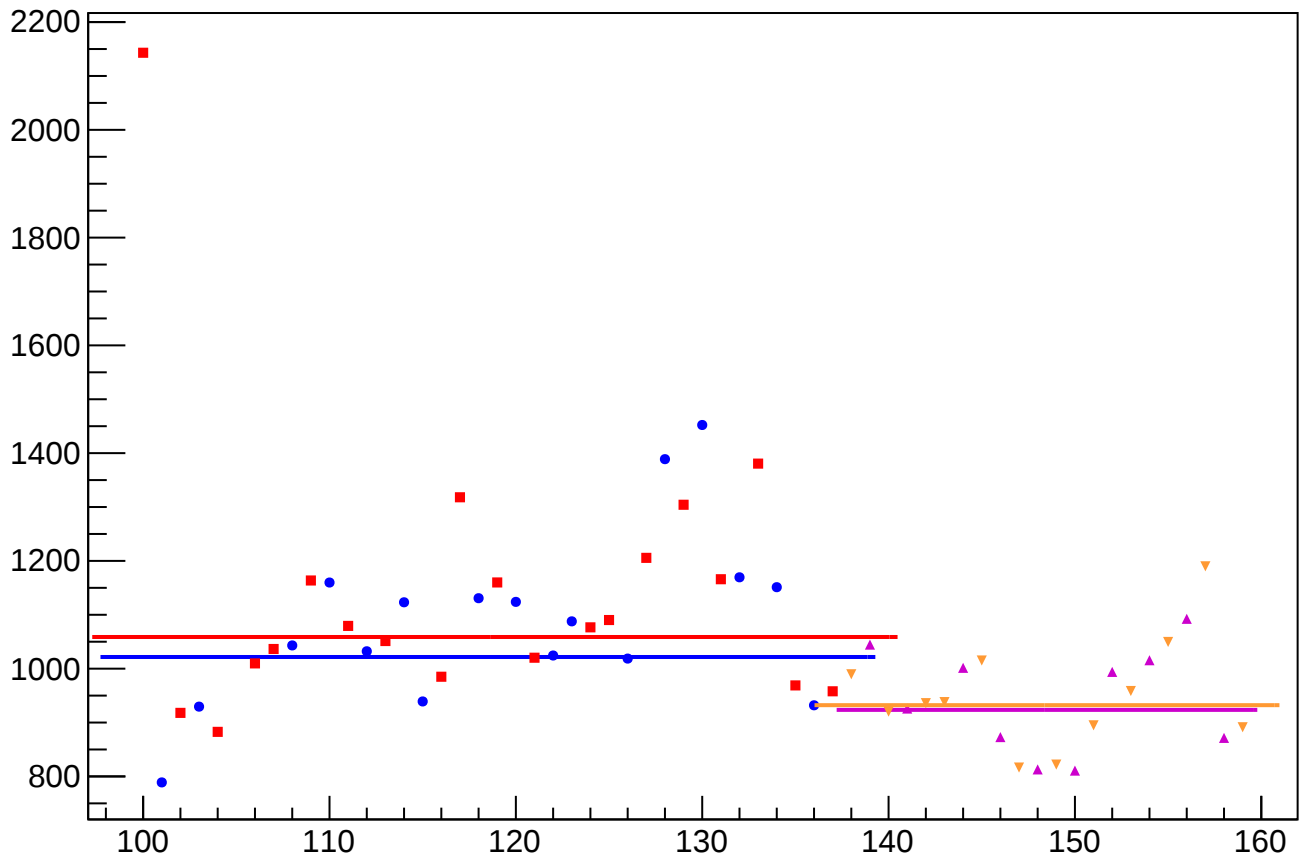
Right Out: -1521.641+/-399.157 χ^2/NDF : 12.6/19

Left In: -993.230+/-324.453 χ^2/NDF : 6.5/9

970.509+/-246.981 χ^2/NDF : 32.6/28

-1203.459+/-251.770 χ^2/NDF : 20.2/29

asym_right_avg_rms vs Slug



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

Left Out: 932.246+/-0.221 χ^2/NDF : 175360.4/11

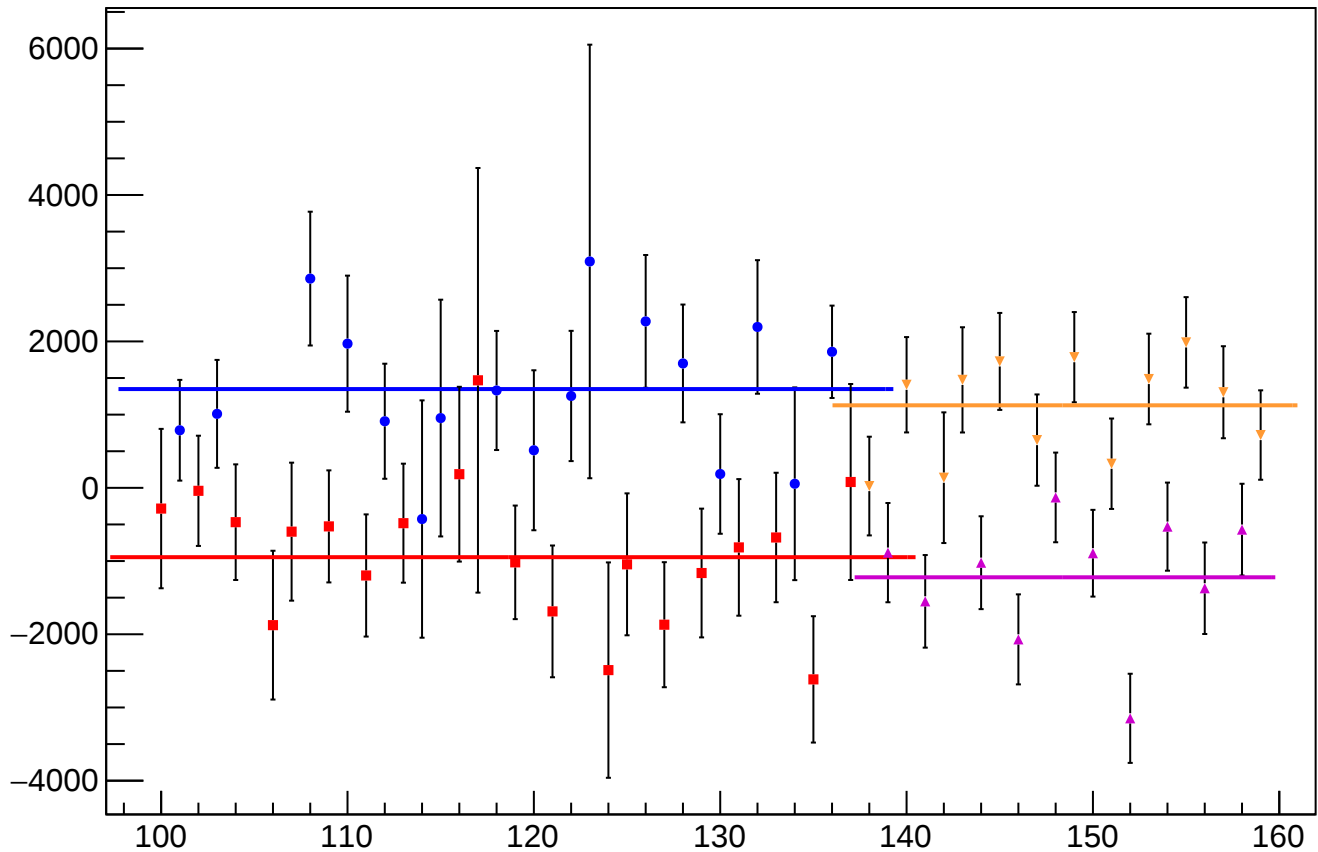
Right Out: 1058.783+/-0.282 χ^2/NDF : 234314.8/19

Left In: 923.494+/-0.229 χ^2/NDF : 164011.5/9

966.035+/-0.175 χ^2/NDF : 568937.8/28

977.319+/-0.178 χ^2/NDF : 536675.3/29

reg_asym_right_dd_mean vs Slug



Right In: 1349.156 ± 218.361 $\chi^2/\text{NDF}: 12.3/16$

Left Out: 1127.213 ± 187.992 $\chi^2/\text{NDF}: 11.3/11$

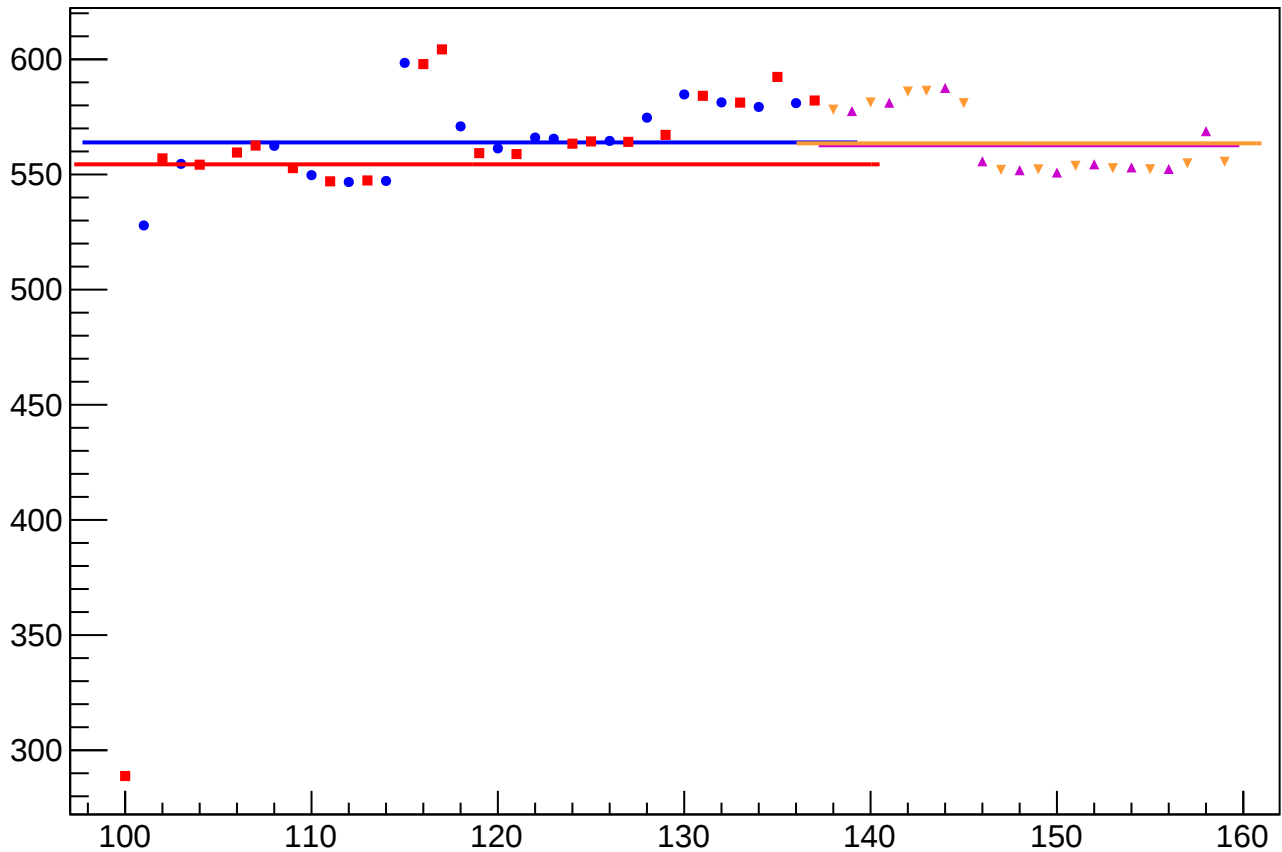
Right Out: -947.051 ± 207.609 $\chi^2/\text{NDF}: 12.9/19$

Left In: -1221.802 ± 196.515 $\chi^2/\text{NDF}: 18.5/9$

1221.689 ± 142.468 $\chi^2/\text{NDF}: 24.2/28$

-1091.963 ± 142.718 $\chi^2/\text{NDF}: 32.3/29$

reg_asym_right_dd_rms vs Slug



Right In: 563.922 $\pm$ 0.154 χ^2 /NDF: 12663.1/16

Left Out: 563.529 $\pm$ 0.133 χ^2 /NDF:10955.1/11

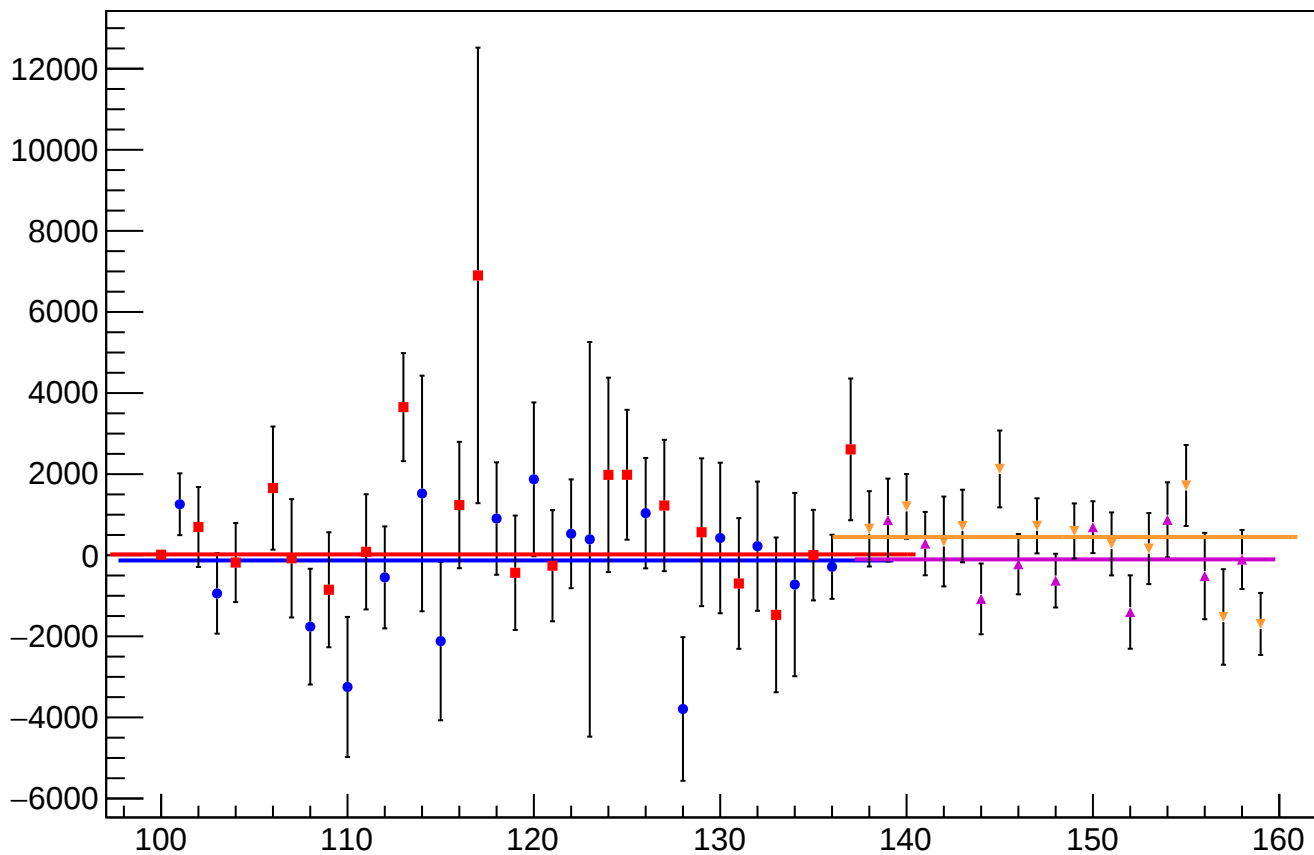
Right Out: 554.402 $\pm$ 0.147 χ^2 /NDF: 132560.6/19

Left In: 562.691 $\pm$ 0.139 χ^2 /NDF:9043.7/9

563.696 $\pm$ 0.101 χ^2 /NDF: 23621.9/28

558.774 $\pm$ 0.101 χ^2 /NDF: 143285.9/29

asym_right_dd_correction_mean vs Slug



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

Left Out: 449.133+/-245.119 χ^2/NDF : 16.8/11

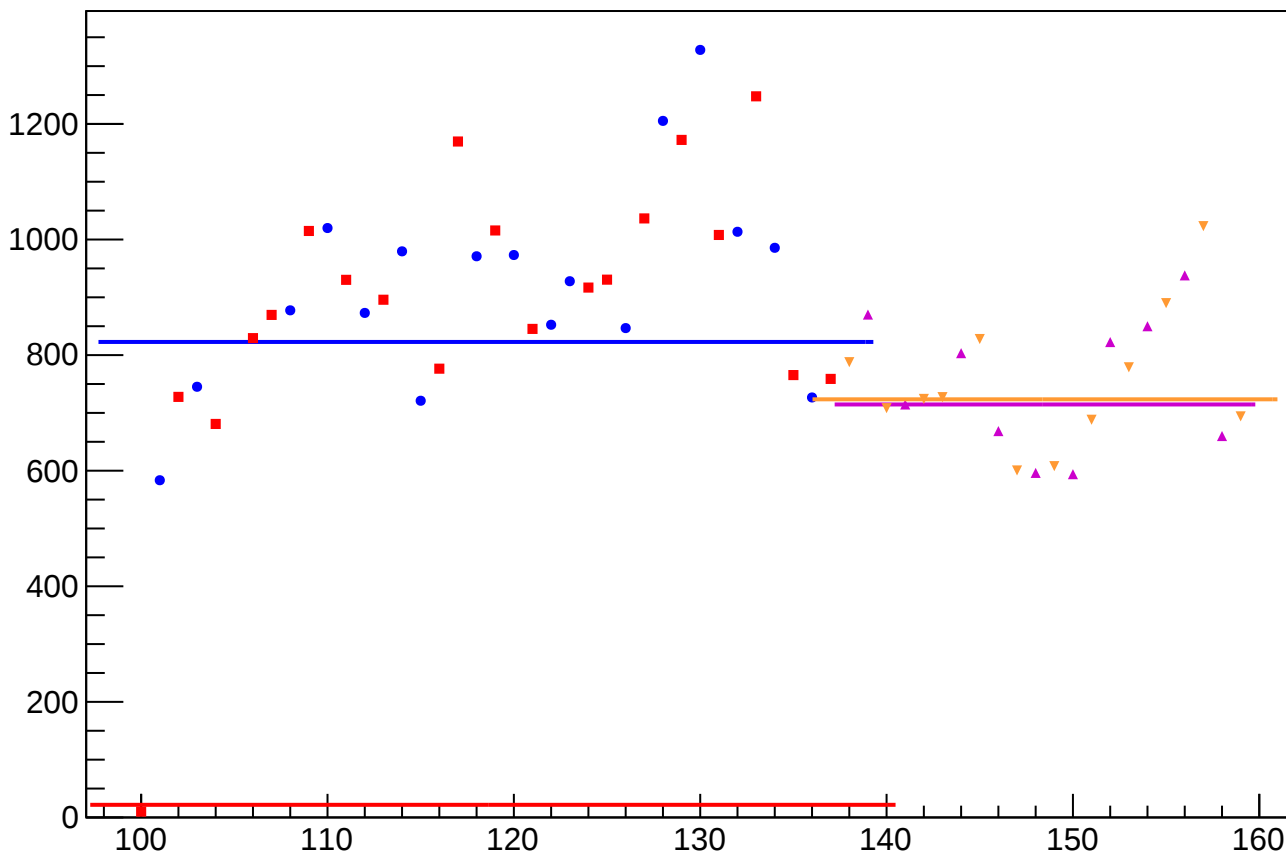
Right Out: 20.715+/-38.953 χ^2/NDF : 17.6/19

Left In: -102.257+/-253.185 χ^2/NDF : 7.9/9

241.805+/-196.281 χ^2/NDF : 36.0/28

17.871+/-38.500 χ^2/NDF : 25.7/29

asym_right_dd_correction_rms vs Slug



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

Left Out: 723.509+/-0.173 χ^2/NDF : 358383.7/11

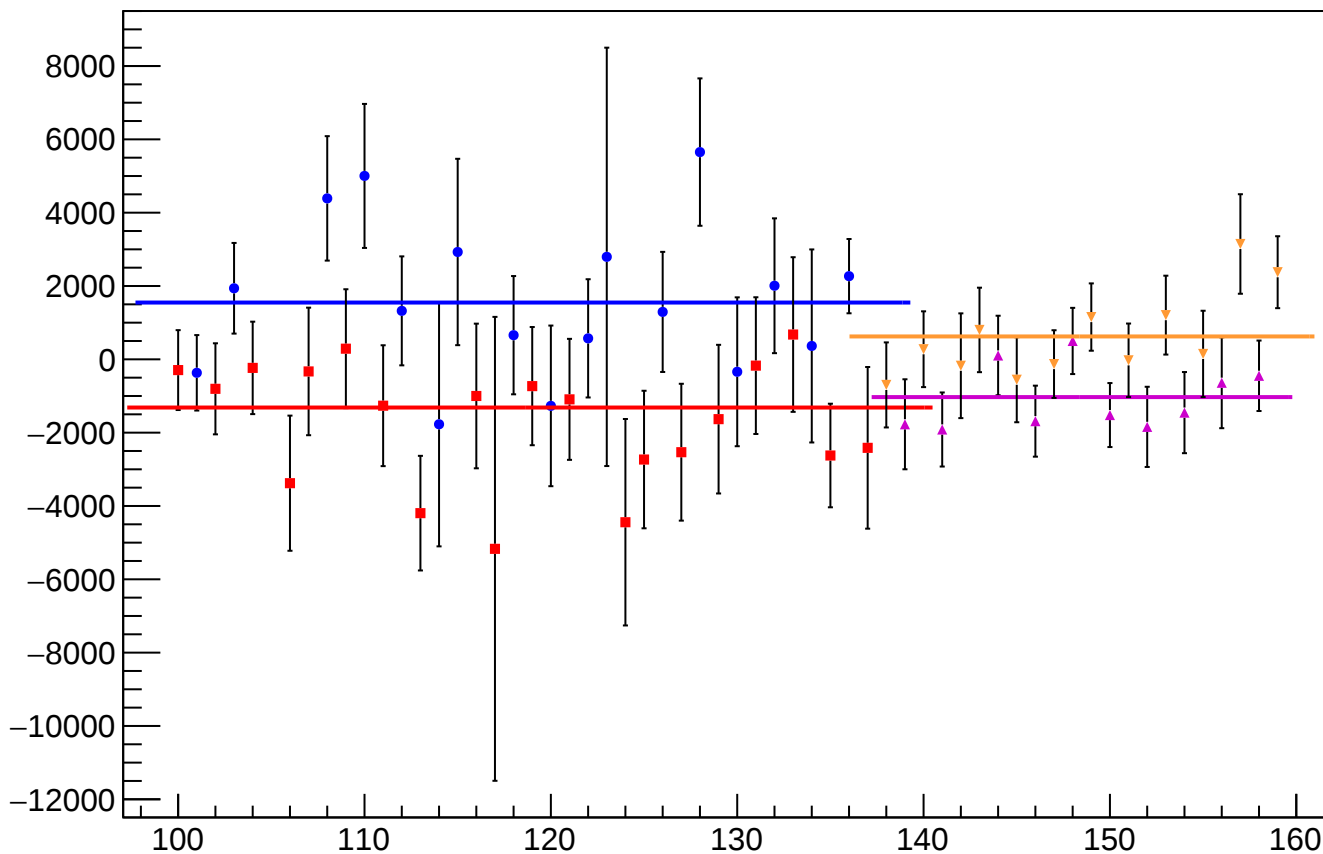
Right Out: 21.867+/-0.028 χ^2/NDF : 13607091.0/19

Left In: 714.606+/-0.179 χ^2/NDF : 380074.3/9

759.126+/-0.139 χ^2/NDF : 1076952.7/28

37.886+/-0.027 χ^2/NDF : 28613368.7/29

asym_right_dd_mean vs Slug



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

Left Out: 624.190 ± 313.311 χ^2/NDF : 11.3/11

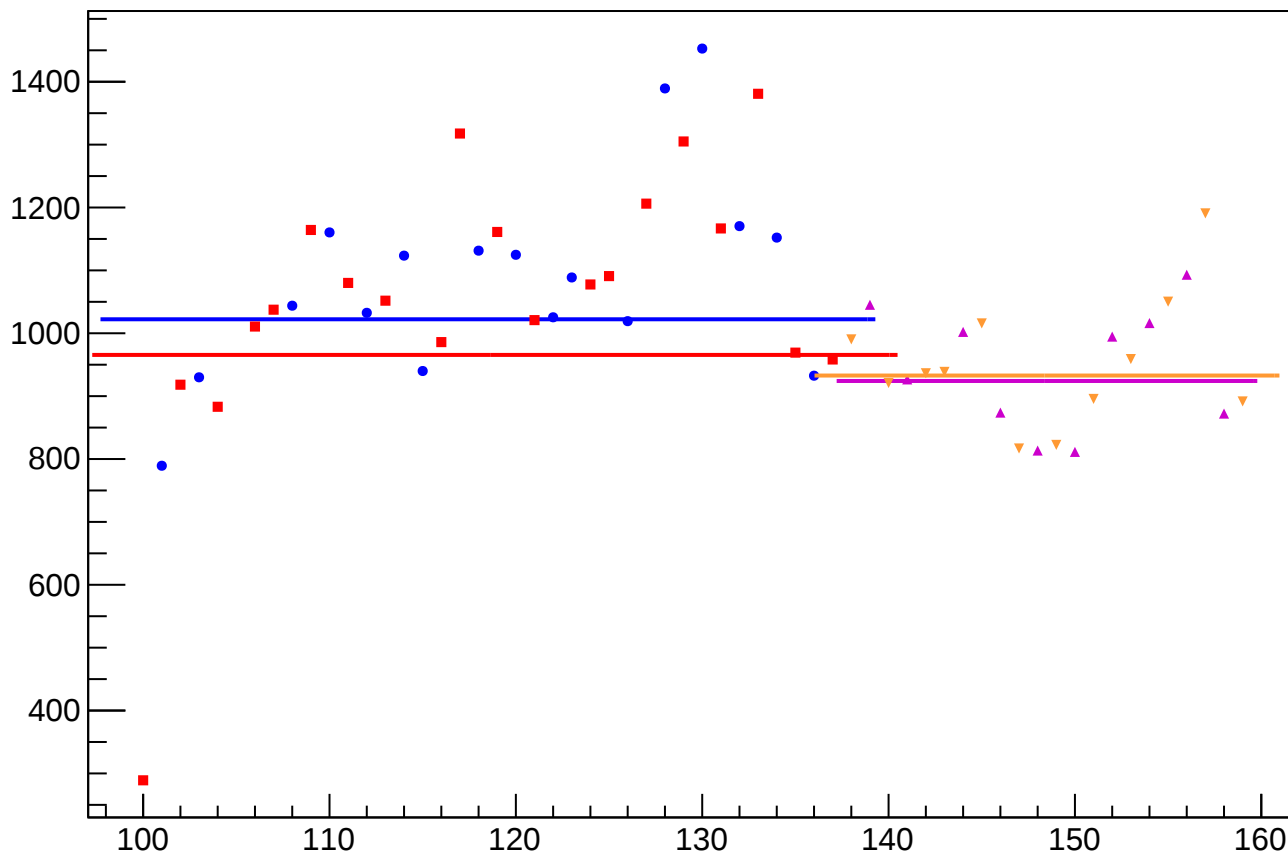
Right Out: -1314.562 ± 375.381 χ^2/NDF : 12.9/19

Left In: -1029.961 ± 324.673 χ^2/NDF : 7.0/9

973.610 ± 247.123 χ^2/NDF : 33.6/28

-1151.754 ± 245.565 χ^2/NDF : 20.3/29

asym_right_dd_rms vs Slug



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

Left Out: 932.777+/-0.222 χ^2/NDF :175498.1/11

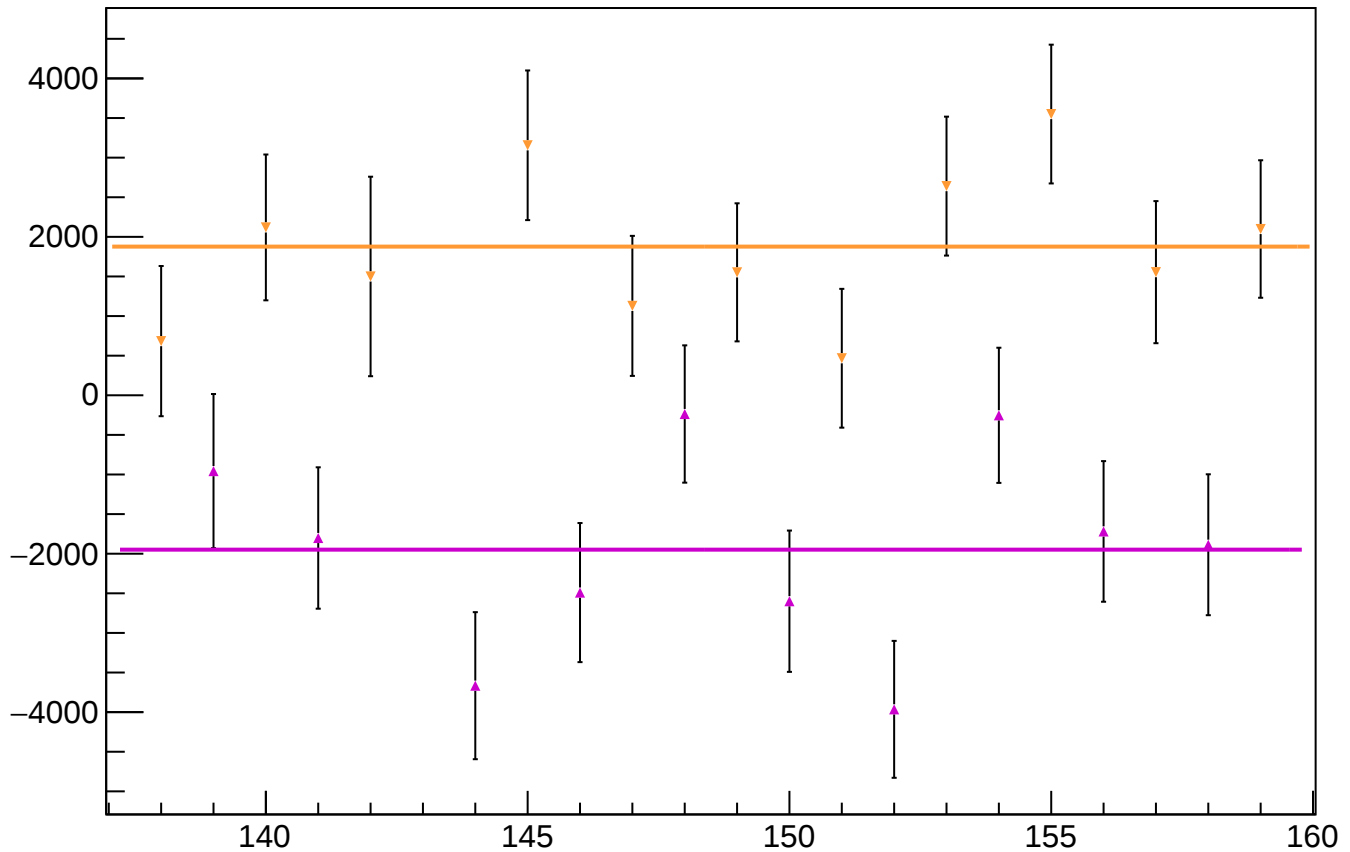
Right Out: 965.574+/-0.265 χ^2/NDF : 1073497.1/19

Left In: 924.126+/-0.230 χ^2/NDF :163879.7/9

966.584+/-0.175 χ^2/NDF : 568985.9/28

941.863+/-0.174 χ^2/NDF : 1251325.4/29

cor_asym_us_avg_mean vs Slug



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

Left Out: 1876.920+/-276.100 χ^2/NDF : 11.6/10

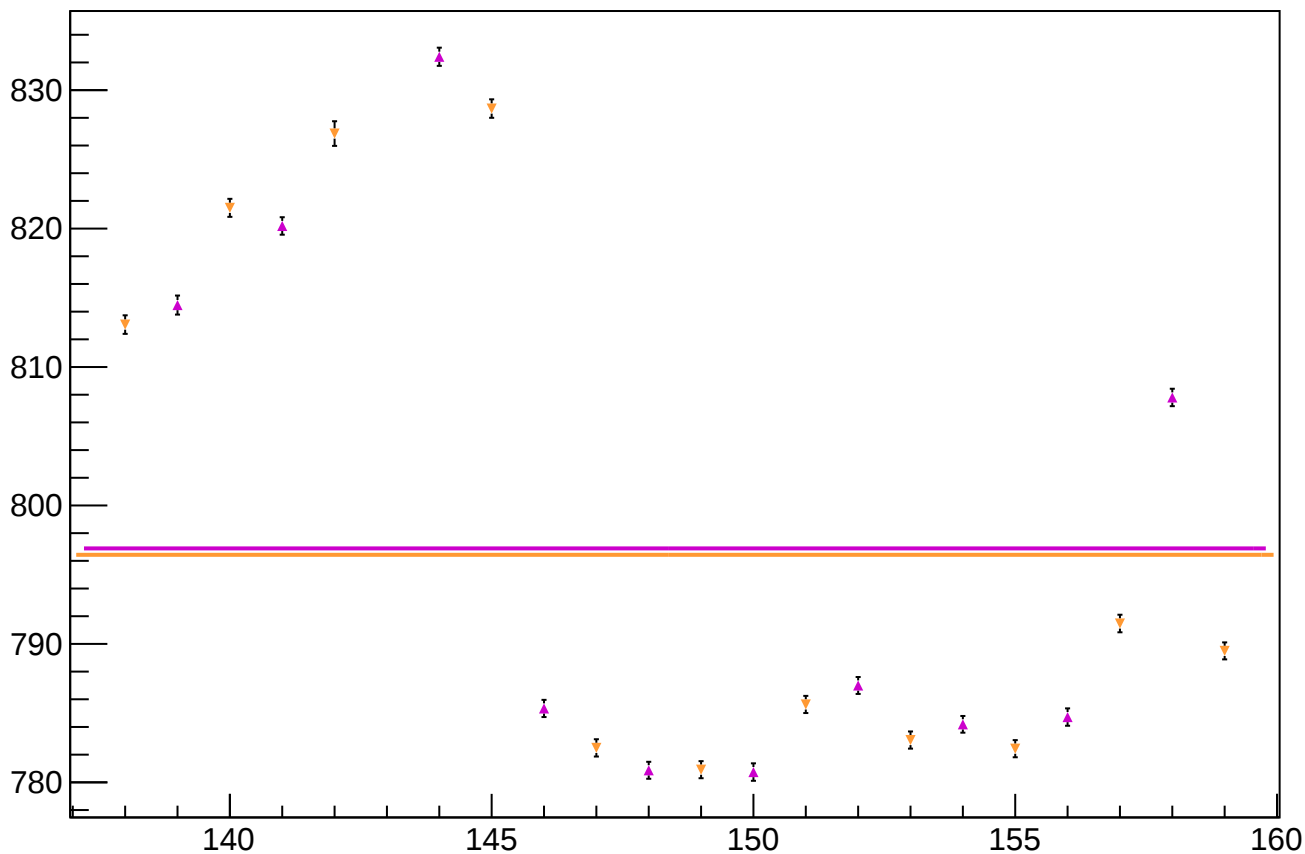
1876.920+/-276.100 χ^2/NDF : 11.6/10

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

-1948.860+/-281.669 χ^2/NDF : 18.8/9

Left In: -1948.860+/-281.669 χ^2/NDF : 18.8/9

cor_asym_us_avg_rms vs Slug



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

Left Out: 796.436+/-0.195 χ^2/NDF : 8197.6/10

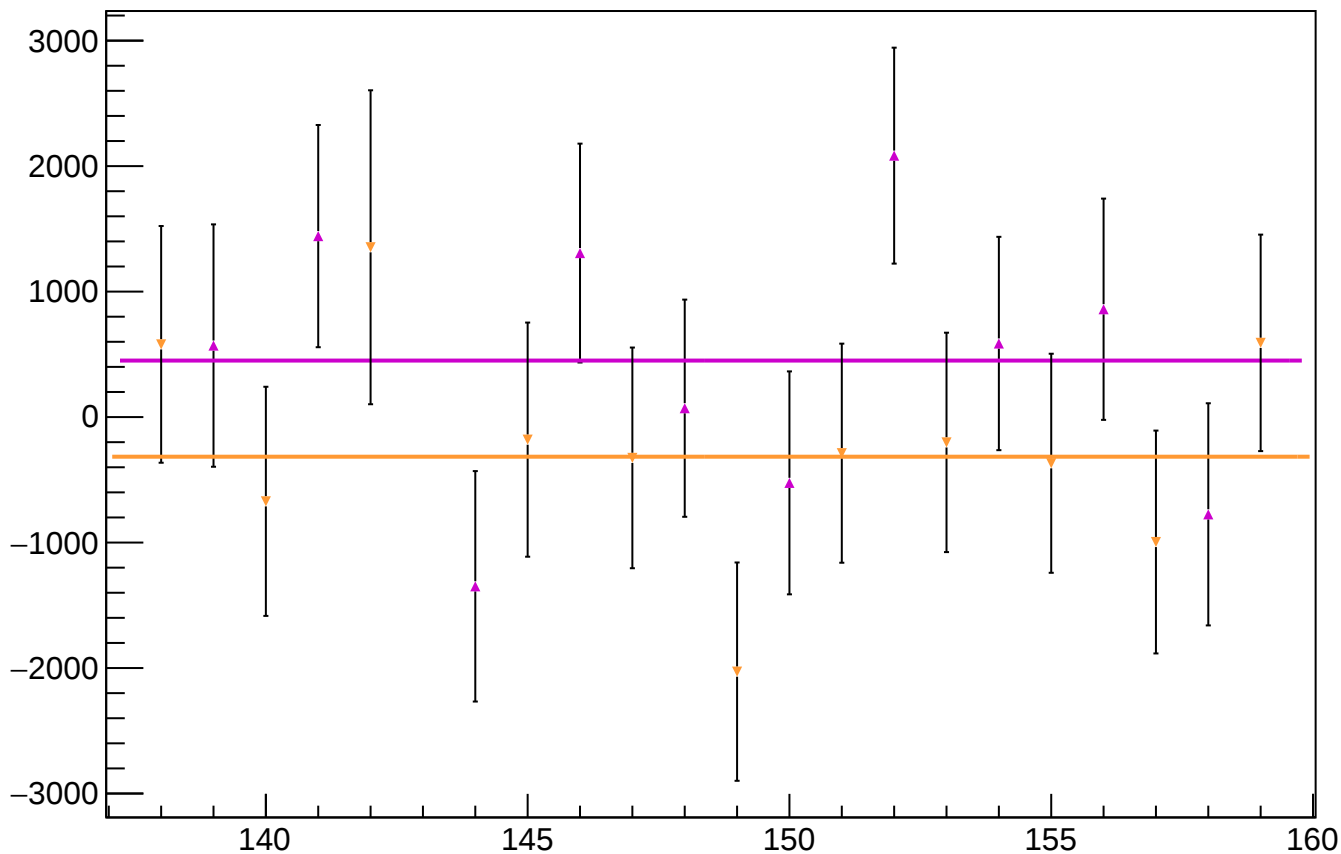
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 796.898+/-0.199 χ^2/NDF : 8013.3/9

796.436+/-0.195 χ^2/NDF : 8197.6/10

796.898+/-0.199 χ^2/NDF : 8013.3/9

cor_asym_us_dd_mean vs Slug



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

Left Out: -315.725+/-274.508 χ^2/NDF : 8.4/10

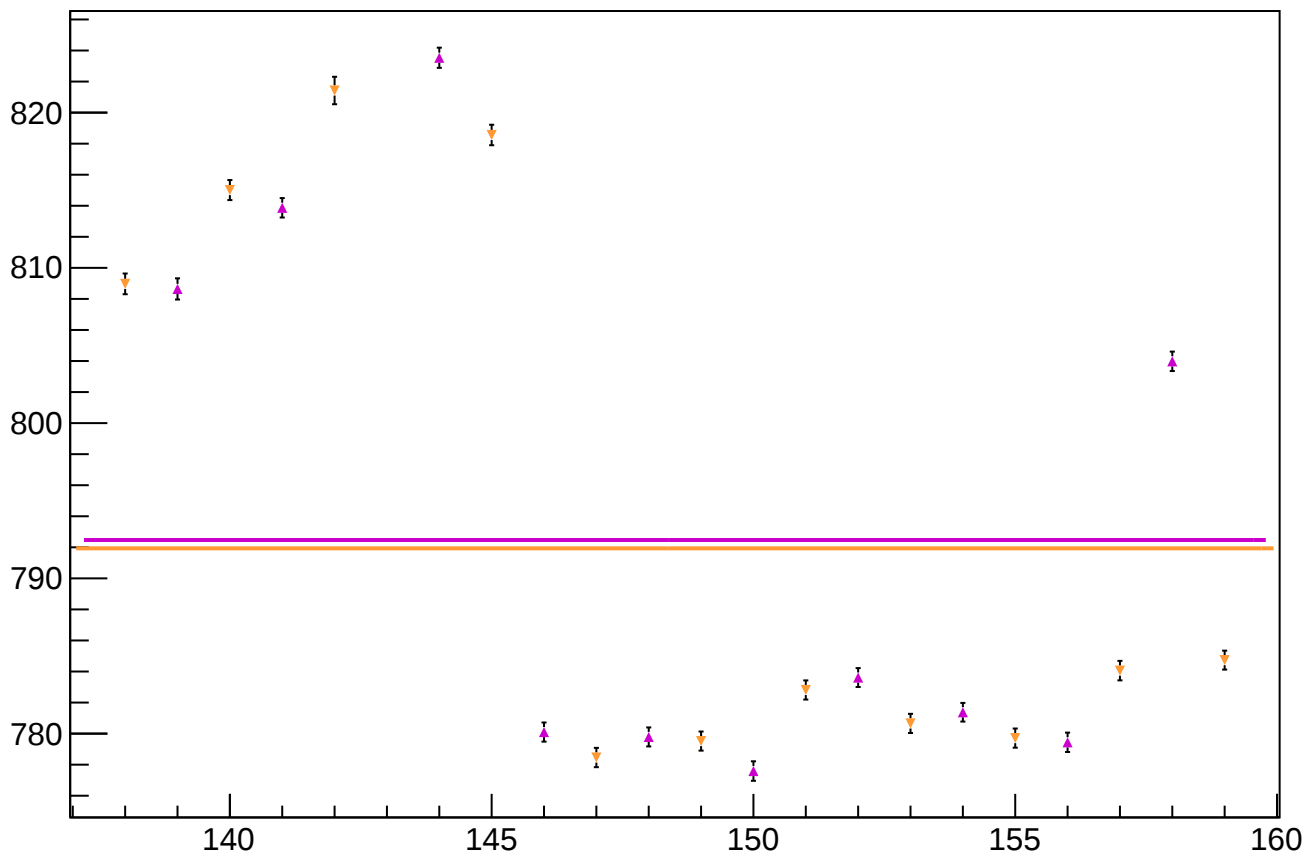
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 450.398+/-280.087 χ^2/NDF : 13.2/9

-315.725+/-274.508 χ^2/NDF : 8.4/10

450.398+/-280.087 χ^2/NDF : 13.2/9

cor_asym_us_dd_rms vs Slug



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

Left Out: 791.934+/-0.194 χ^2/NDF : 6786.9/10

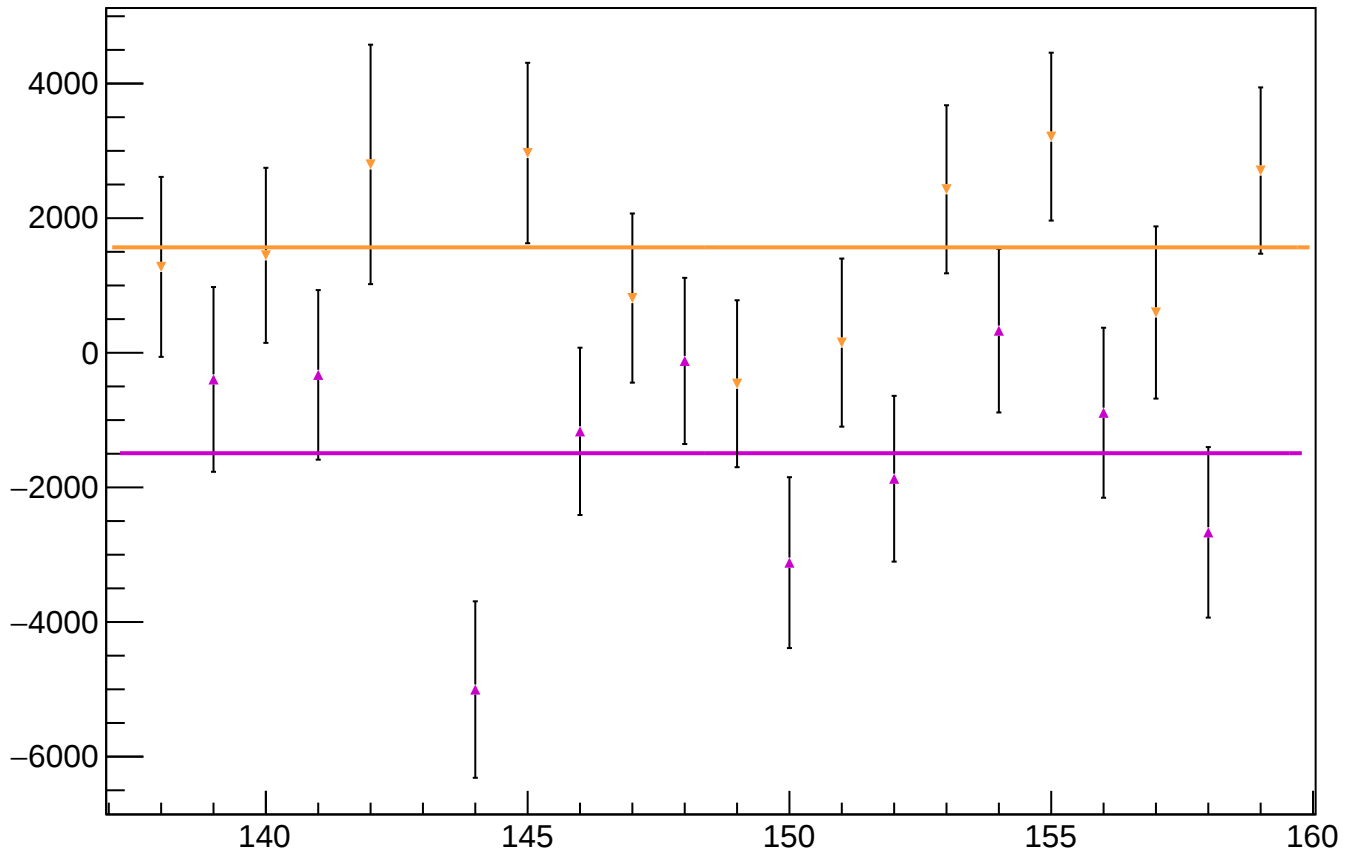
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 792.472+/-0.198 χ^2/NDF : 6738.2/9

791.934+/-0.194 χ^2/NDF : 6786.9/10

792.472+/-0.198 χ^2/NDF : 6738.2/9

cor_asym_usl_mean vs Slug



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

Left Out: 1566.656+/-392.265 χ^2/NDF : 9.6/10

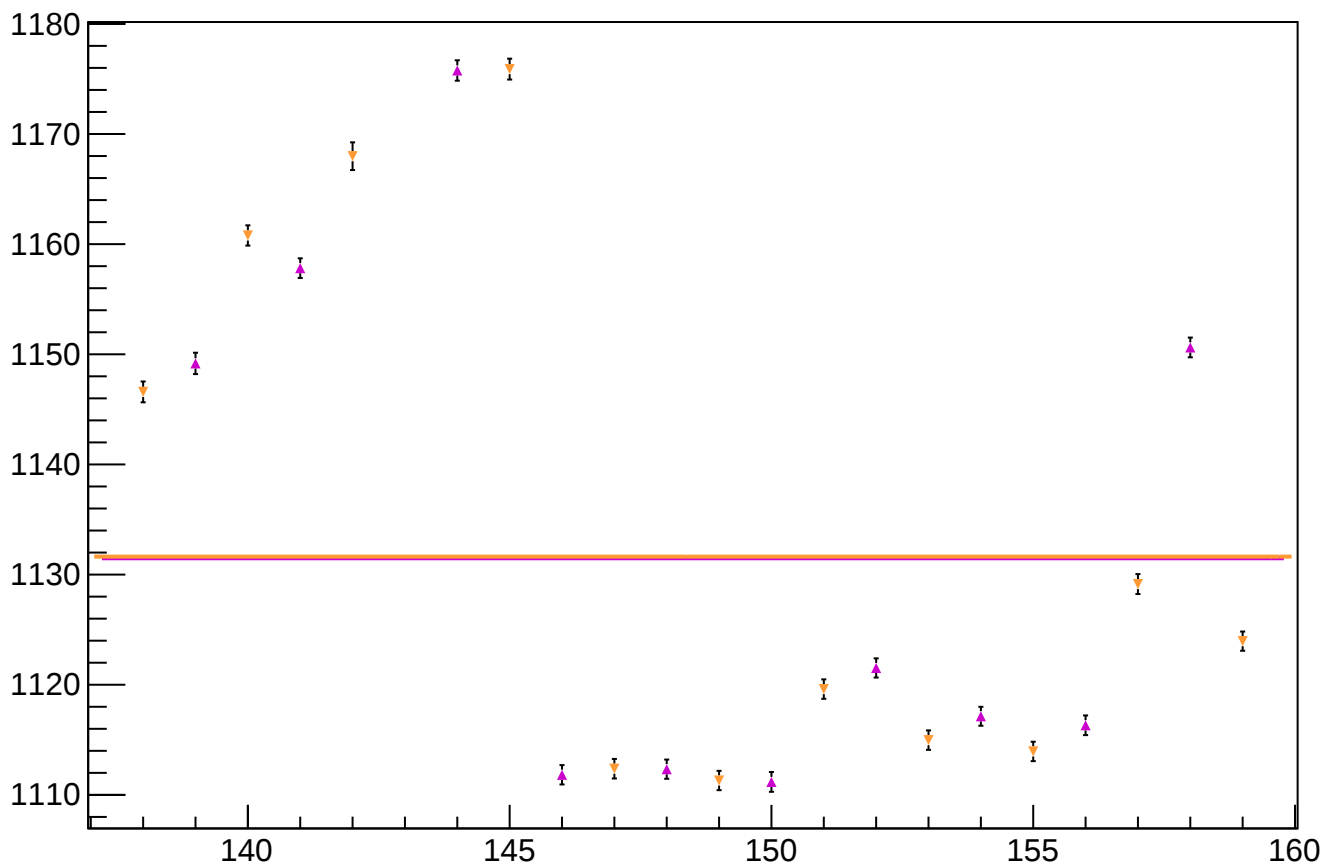
1566.656+/-392.265 χ^2/NDF : 9.6/10

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

-1491.968+/-399.901 χ^2/NDF : 15.0/9

Left In: -1491.968+/-399.901 χ^2/NDF : 15.0/9

cor_asym_usl_rms vs Slug



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

Left Out: 1131.632+/-0.277 χ^2/NDF : 6307.2/10

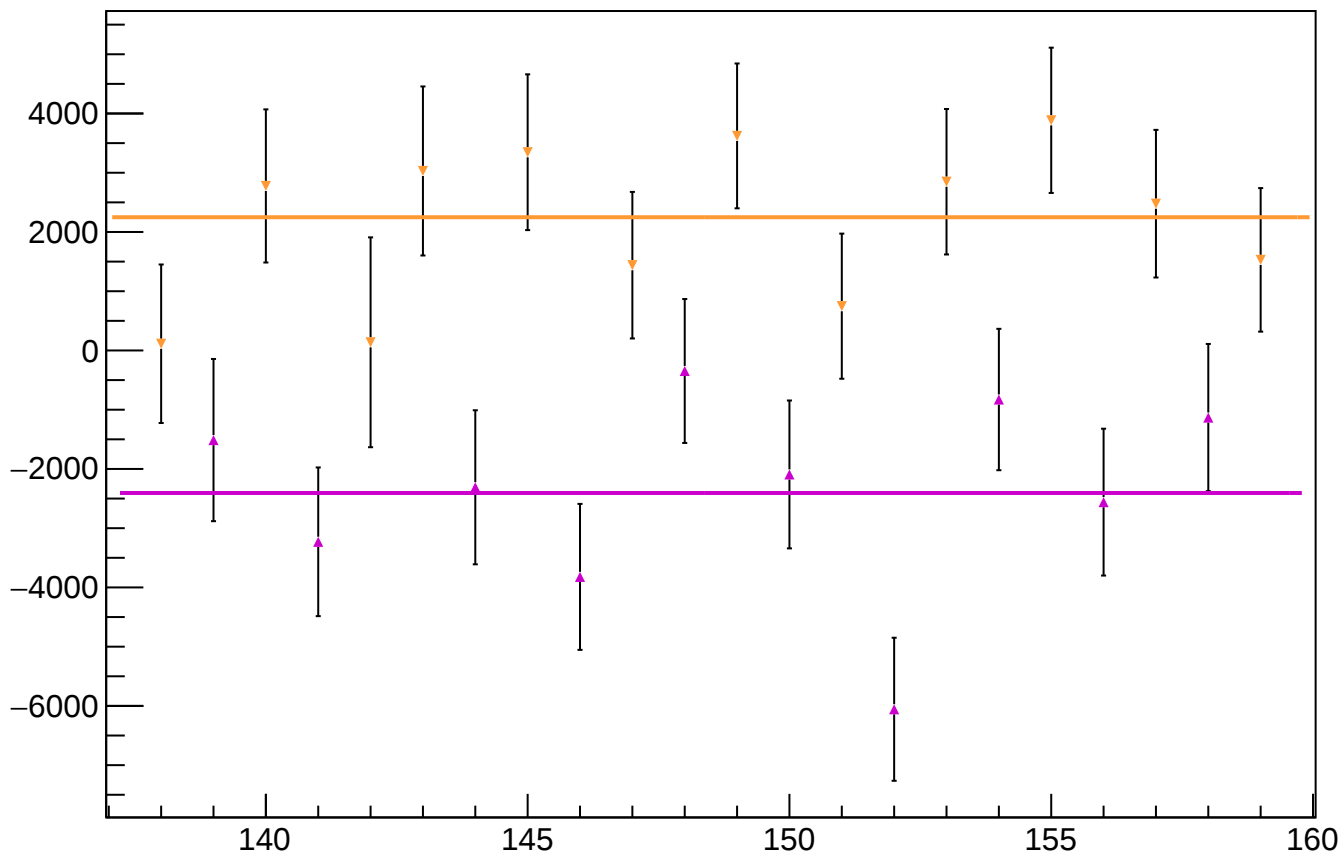
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1131.483+/-0.283 χ^2/NDF : 6135.5/9

1131.632+/-0.277 χ^2/NDF : 6307.2/10

1131.483+/-0.283 χ^2/NDF : 6135.5/9

cor_asym_usr_mean vs Slug



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

Left Out: 2249.047+/-372.970 χ^2/NDF :10.7/11

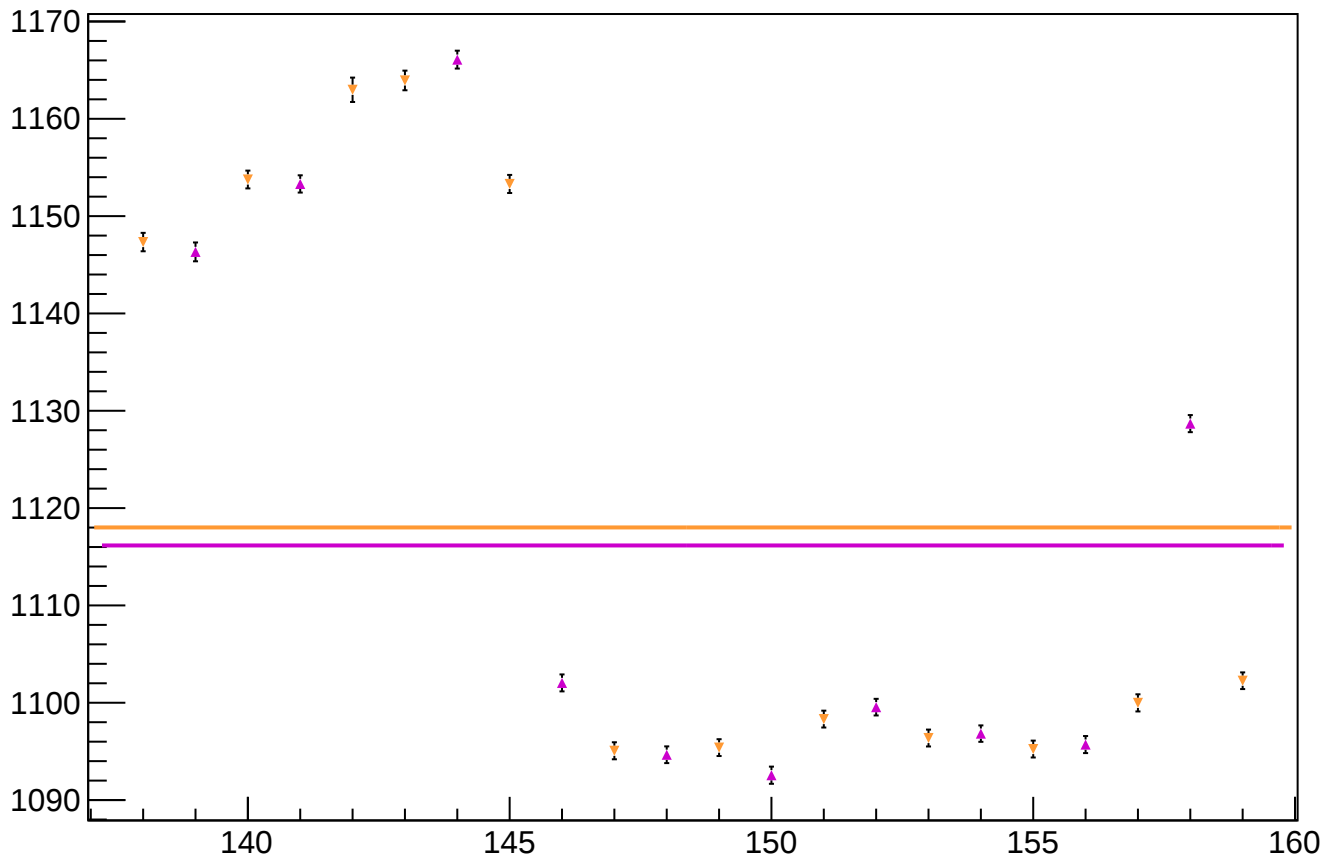
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2405.677+/-394.520 χ^2/NDF :17.1/9

2249.047+/-372.970 χ^2/NDF : 10.7/11

-2405.677+/-394.520 χ^2/NDF : 17.1/9

cor_asym_usr_rms vs Slug



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

Left Out: 1118.012+/-0.264 χ^2/NDF : 11251.3/11

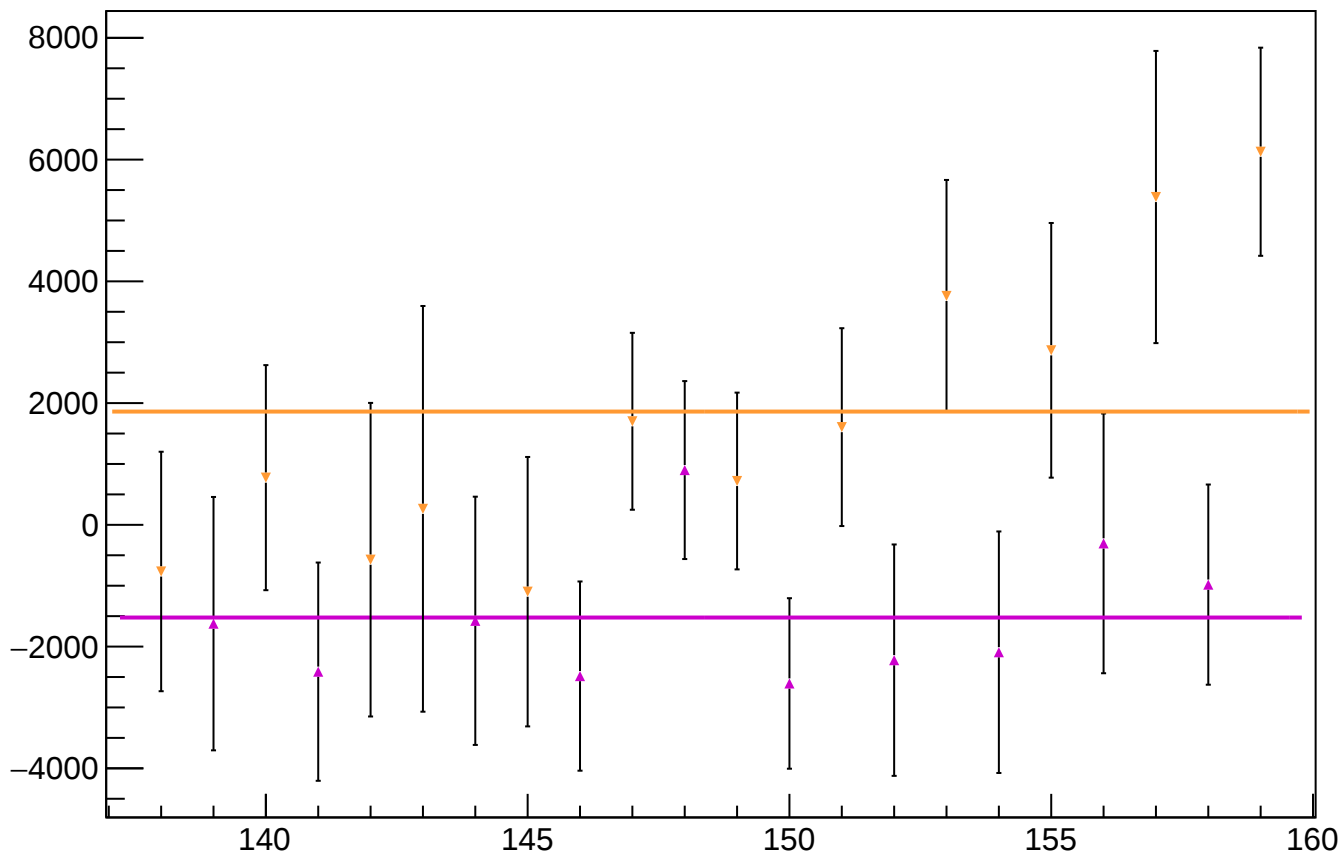
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1116.161+/-0.279 χ^2/NDF : 8927.5/9

1118.012+/-0.264 χ^2/NDF : 11251.3/11

1116.161+/-0.279 χ^2/NDF : 8927.5/9

asym_us_agg_avg_mean vs Slug



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

Left Out: 1860.883+/-546.995 χ^2/NDF : 15.3/11

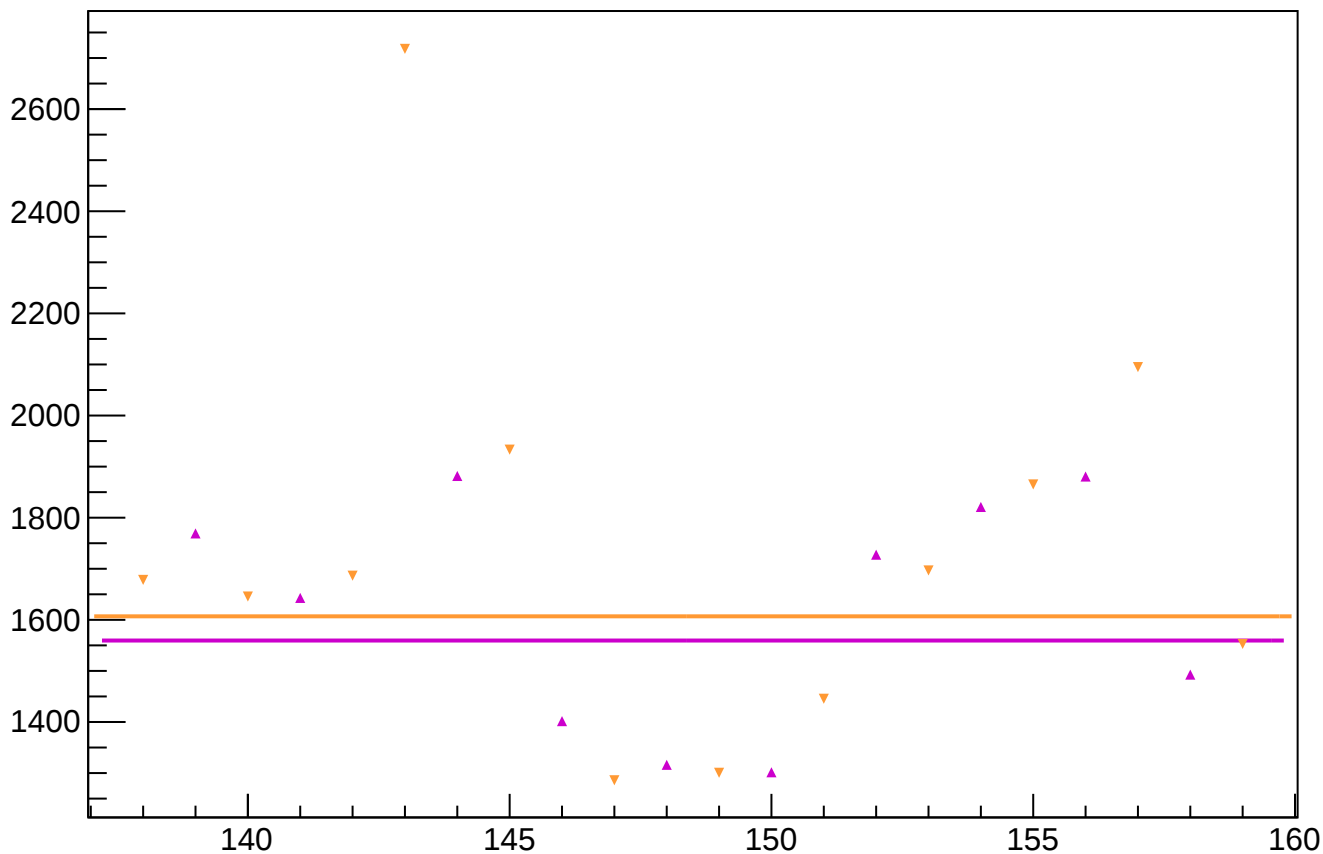
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1522.830+/-550.918 χ^2/NDF : 4.6/9

1860.883+/-546.995 χ^2/NDF : 15.3/11

-1522.830+/-550.918 χ^2/NDF : 4.6/9

asym_us_agg_avg_rms vs Slug



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

Left Out: 1606.875+/-0.387 χ^2/NDF : 597146.9/11

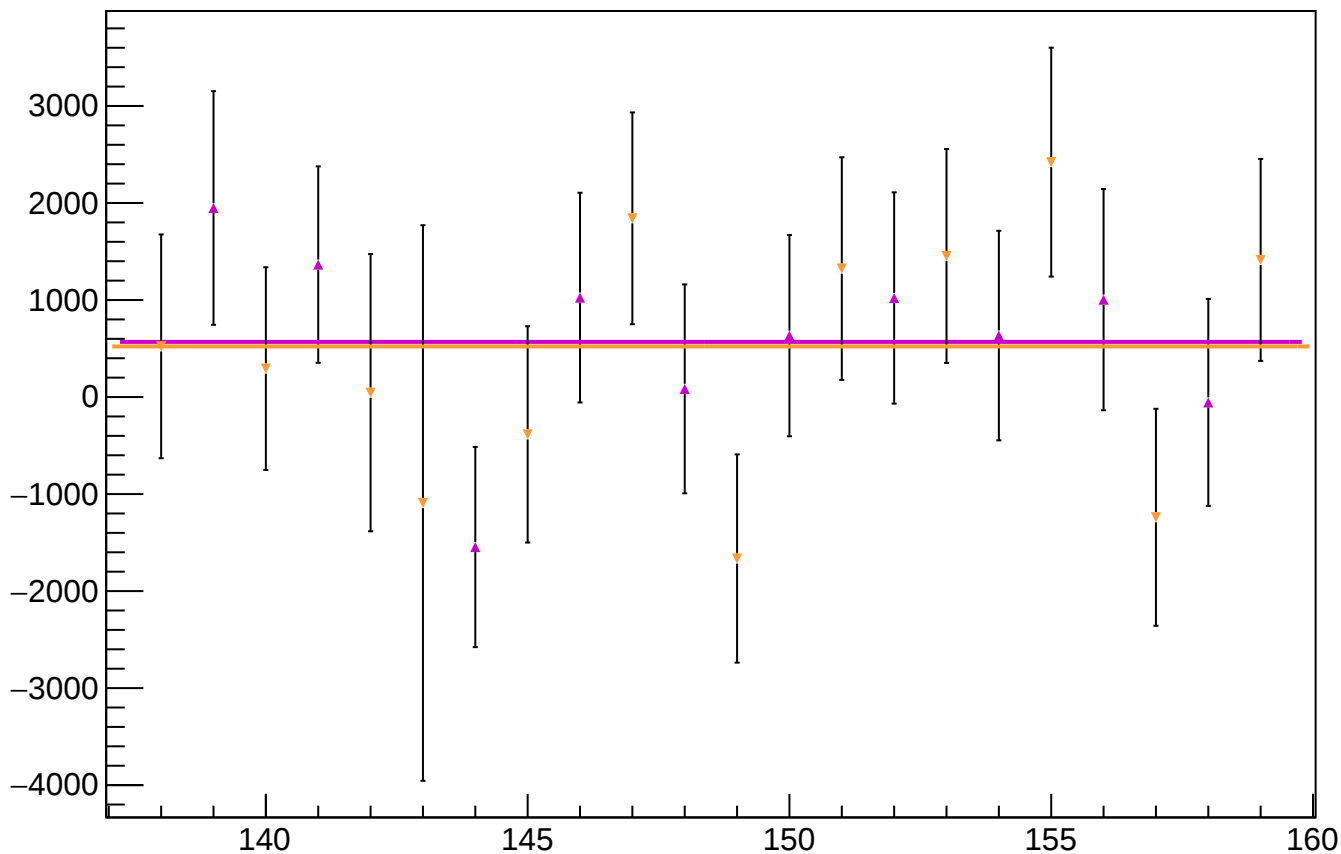
1606.875+/-0.387 χ^2/NDF : 597146.9/11

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

1559.500+/-0.390 χ^2/NDF : 317457.5/9

Left In: 1559.500+/-0.390 χ^2/NDF : 317457.5/9

asym_us_agg_dd_mean vs Slug



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

Left Out: 521.595+/-336.751 χ^2/NDF :13.8/11

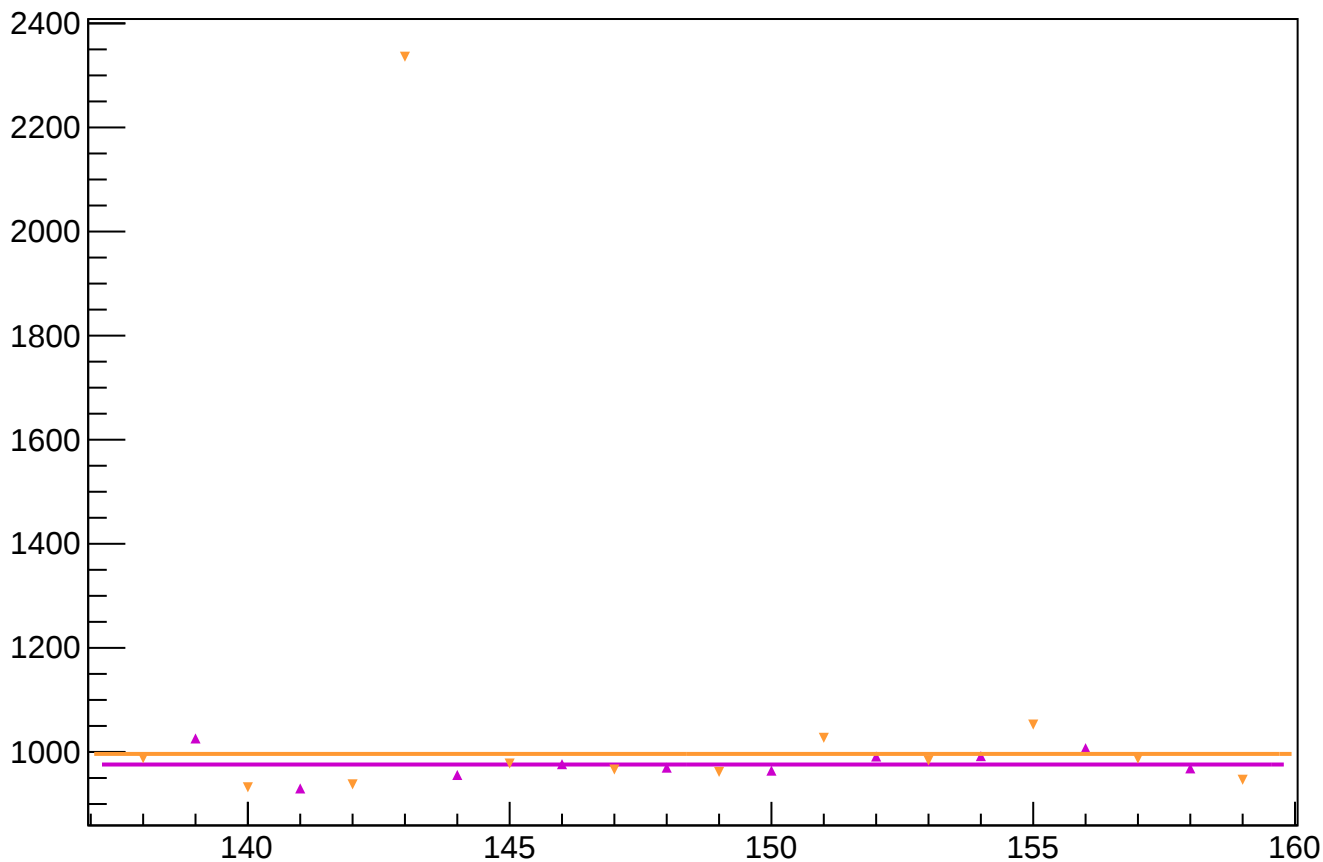
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 568.609+/-340.937 χ^2/NDF :7.2/9

521.595+/-336.751 χ^2/NDF : 13.8/11

568.609+/-340.937 χ^2/NDF : 7.2/9

asym_us_agg_dd_rms vs Slug



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

Left Out: 996.262+/-0.238 χ^2/NDF : 463936.2/11

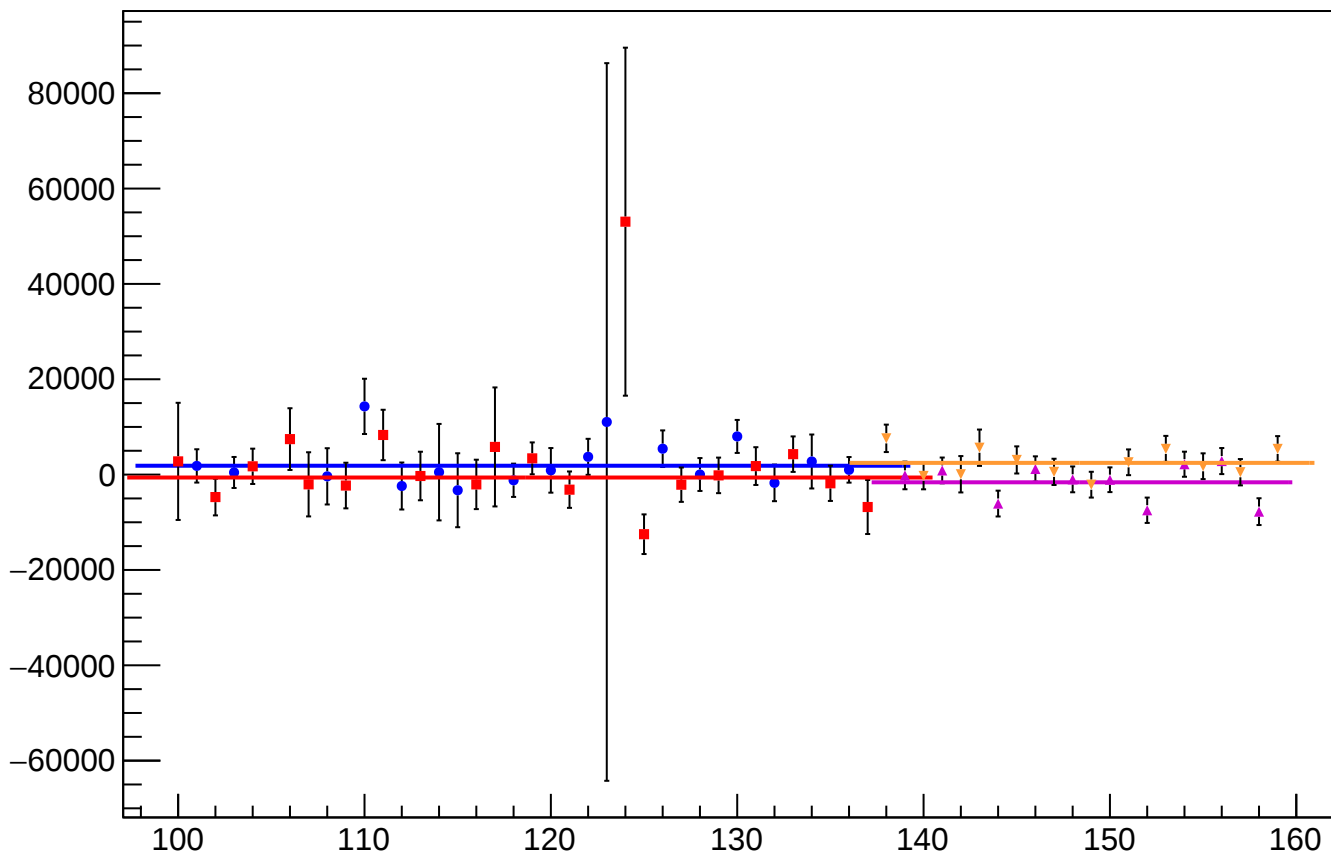
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 975.889+/-0.241 χ^2/NDF : 11127.6/9

996.262+/-0.238 χ^2/NDF : 463936.2/11

975.889+/-0.241 χ^2/NDF : 11127.6/9

reg_asym_atl1_mean vs Slug



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

Left Out: 2460.608+/-828.532 χ^2/NDF : 11.5/11

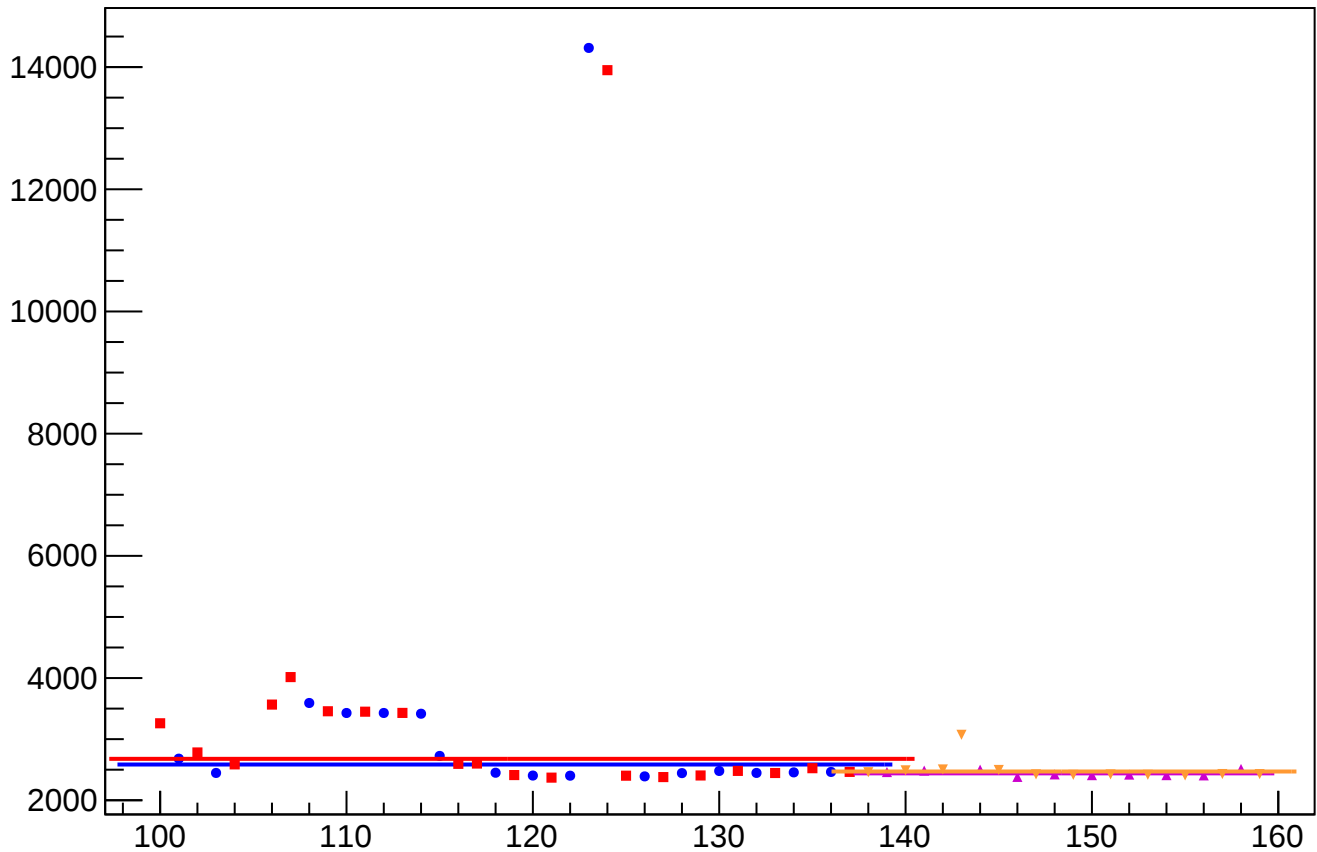
Right Out: -611.041+/-1020.345 χ^2/NDF : 22.3/19

Left In: -1614.795+/-855.485 χ^2/NDF : 19.4/9

2219.901+/-641.448 χ^2/NDF : 24.3/28

-1200.458+/-655.557 χ^2/NDF : 42.3/29

reg_asym_atl1_rms vs Slug



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

Left Out: 2470.501+/-0.586 χ^2/NDF : 55127.1/11

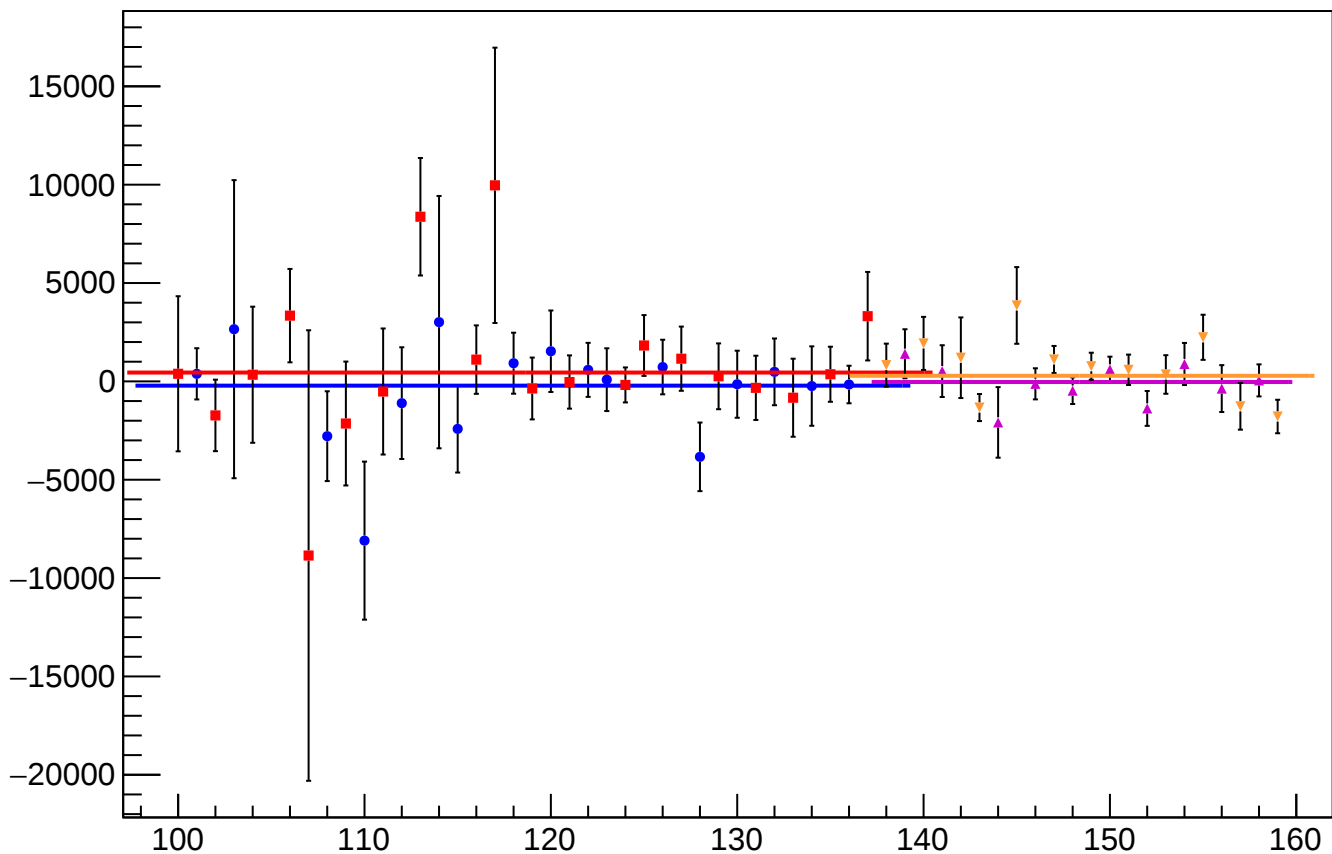
Right Out: 2677.711+/-0.721 χ^2/NDF : 532173.5/19

Left In: 2439.916+/-0.605 χ^2/NDF : 4923.8/9

2516.298+/-0.454 χ^2/NDF : 326091.0/28

2538.075+/-0.464 χ^2/NDF : 600884.7/29

asym_atl1_correction_mean vs Slug



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

Left Out: 284.642 ± 269.080 χ^2/NDF : 23.5/11

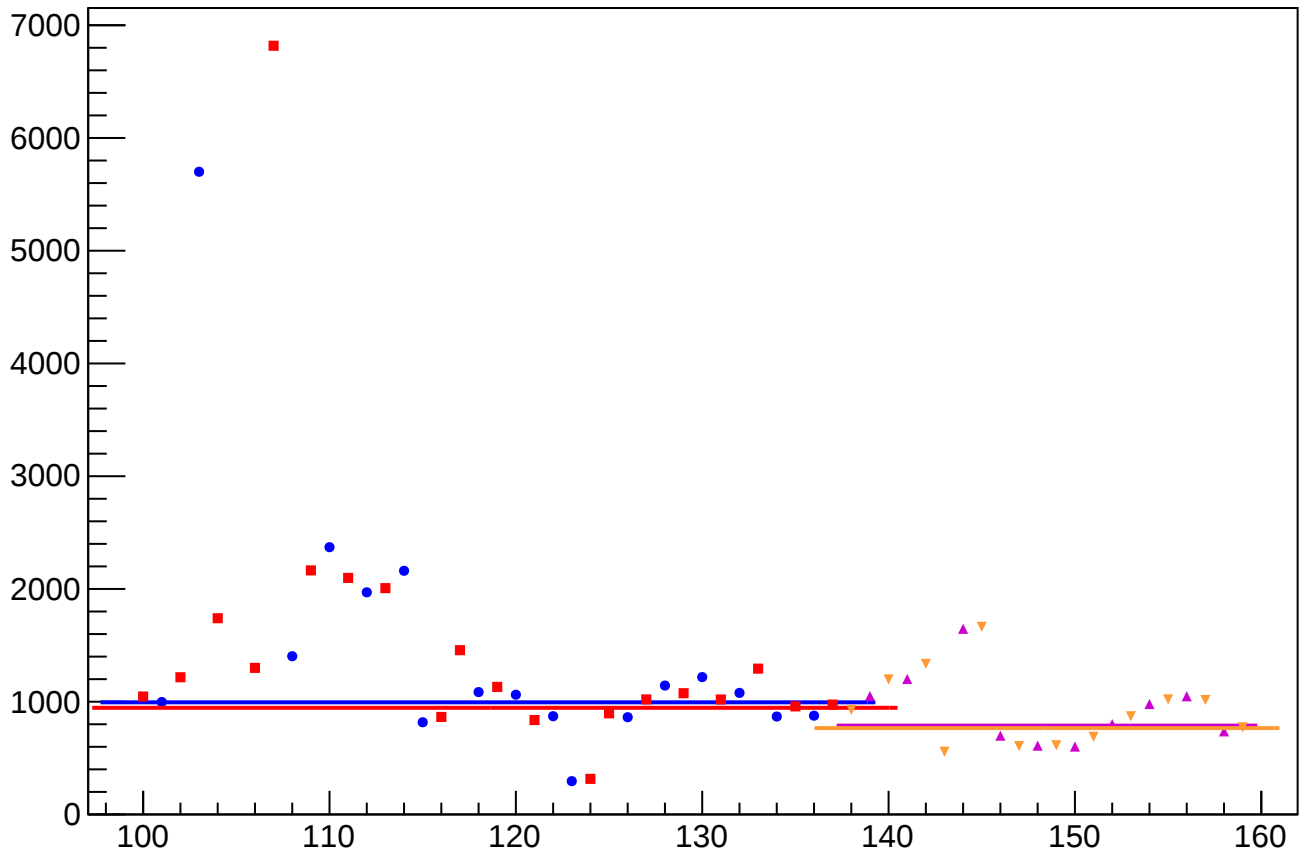
Right Out: 449.702 ± 408.279 χ^2/NDF : 17.5/19

Left In: -31.801 ± 288.353 χ^2/NDF : 7.3/9

138.694 ± 226.582 χ^2/NDF : 37.9/28

128.445 ± 235.533 χ^2/NDF : 25.8/29

asym_atl1_correction_rms vs Slug



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

Left Out: 765.973+/-0.190 χ^2/NDF : 1450586.0/11

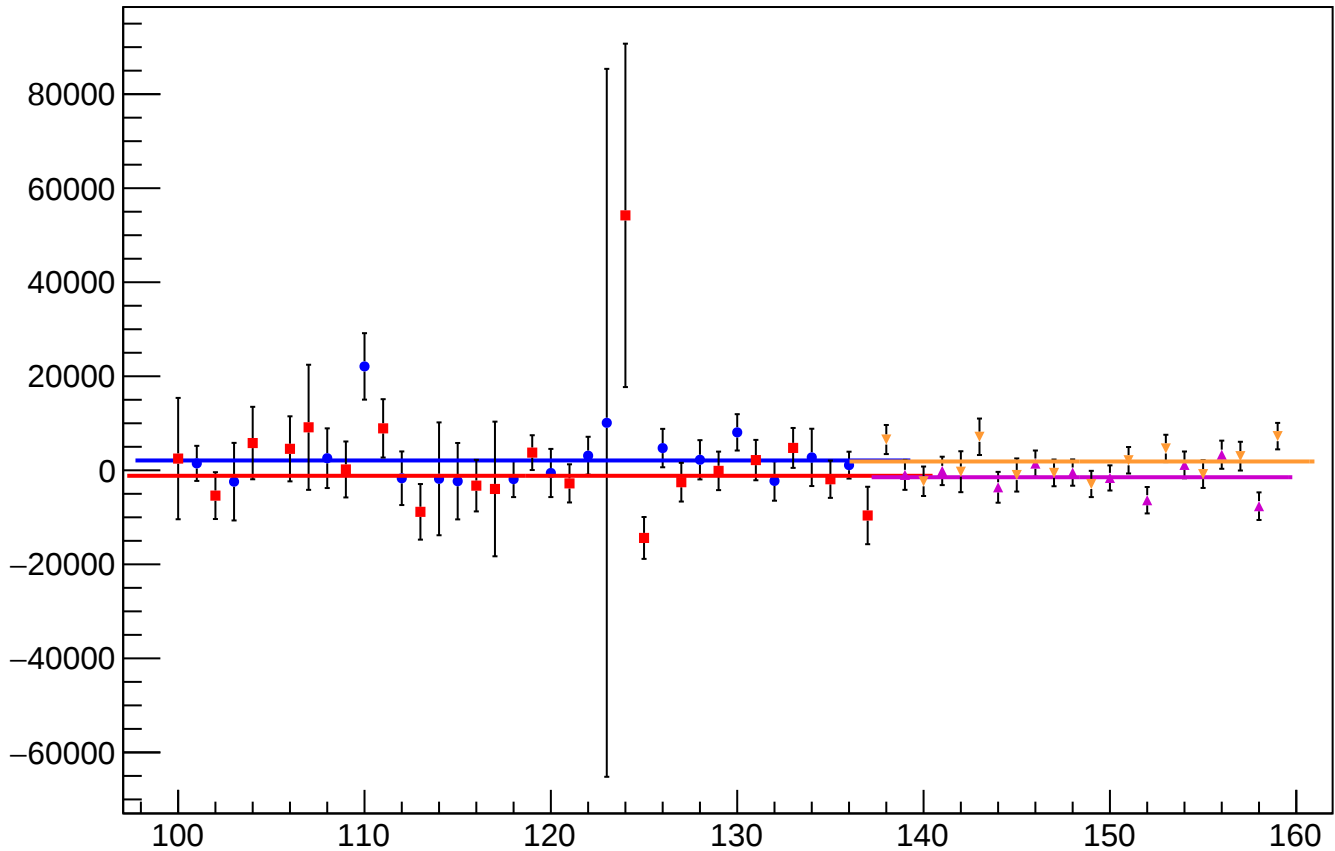
Right Out: 946.032+/-0.289 χ^2/NDF : 2676710.2/19

Left In: 787.778+/-0.204 χ^2/NDF : 1238076.2/9

832.471+/-0.160 χ^2/NDF : 3774980.4/28

840.446+/-0.167 χ^2/NDF : 4115268.6/29

asym_atl1_mean vs Slug



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

Left Out: 1878.257+/-893.737 χ^2/NDF : 16.1/11

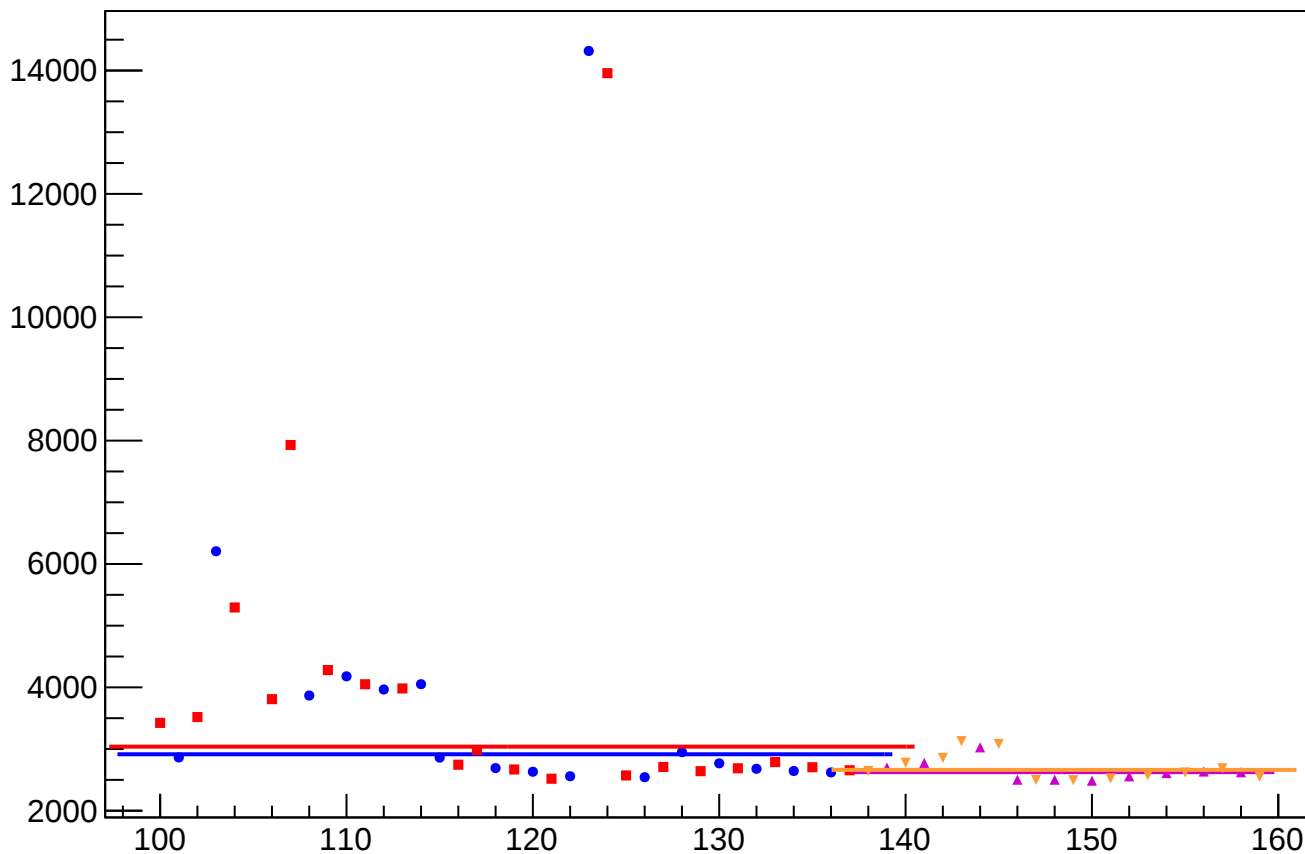
1958.602+/-708.072 χ^2/NDF : 30.7/28

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

-1356.827+/-727.243 χ^2/NDF : 37.9/29

Left In: -1472.137+/-922.071 χ^2/NDF : 12.7/9

asym_atl1_rms vs Slug



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

Left Out: 2661.937+/-0.632 χ^2 /NDF: 88133.6/11

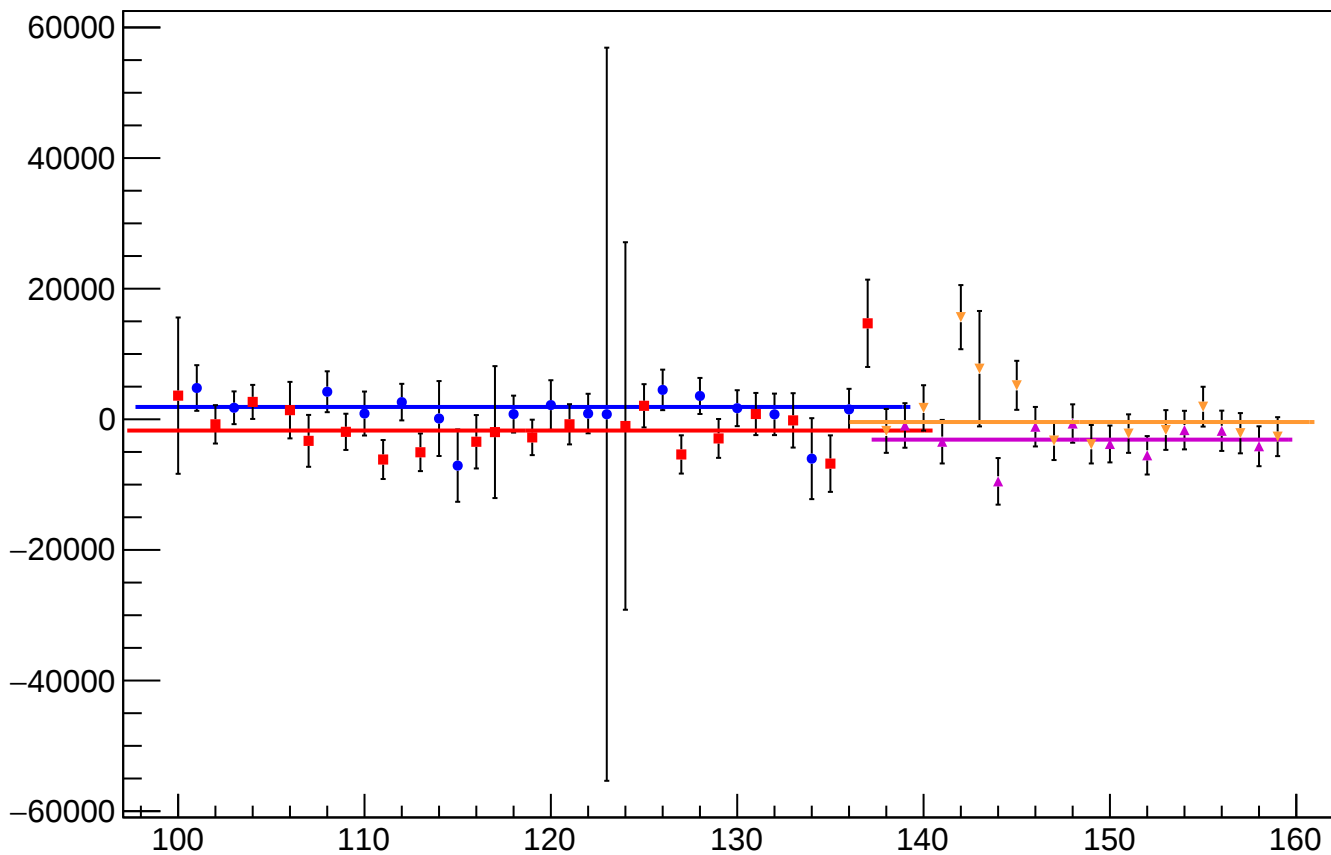
Right Out: 3038.763+/-0.836 χ^2 /NDF: 1011412.5/19

Left In: 2625.942+/-0.652 χ^2 /NDF: 50385.1/9

2756.233+/-0.501 χ^2 /NDF: 787066.6/28

2781.965+/-0.514 χ^2 /NDF: 1213310.3/29

reg_asym_atl2_mean vs Slug



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

Left Out: -416.001 ± 965.527 χ^2/NDF : 18.6/11

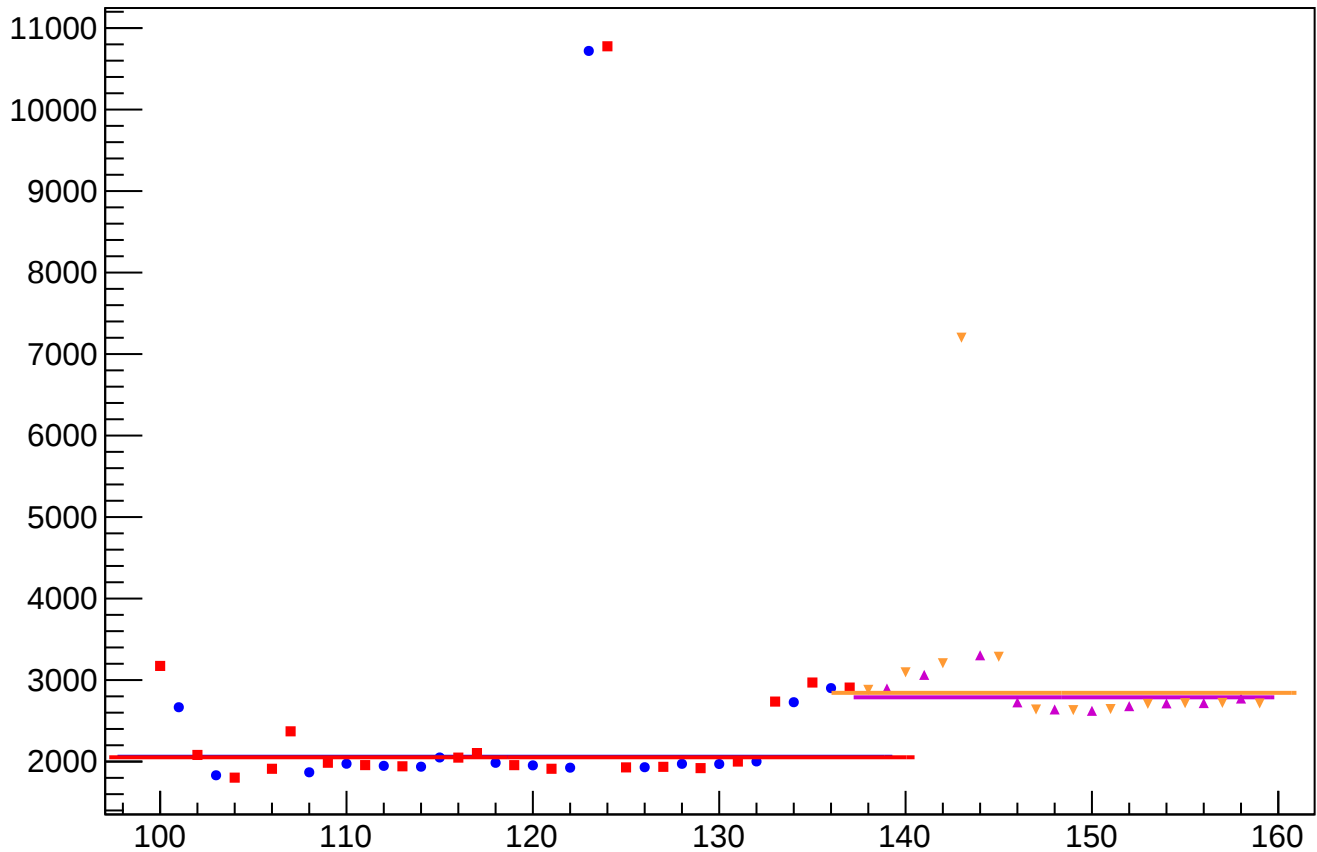
Right Out: -1720.591 ± 787.704 χ^2/NDF : 19.0/19

Left In: -3113.580 ± 977.007 χ^2/NDF : 6.0/9

935.447 ± 621.194 χ^2/NDF : 29.2/28

-2269.358 ± 613.222 χ^2/NDF : 26.2/29

reg_asym_atl2_rms vs Slug



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

Left Out: 2843.143+/-0.683 χ^2/NDF : 579095.8/11

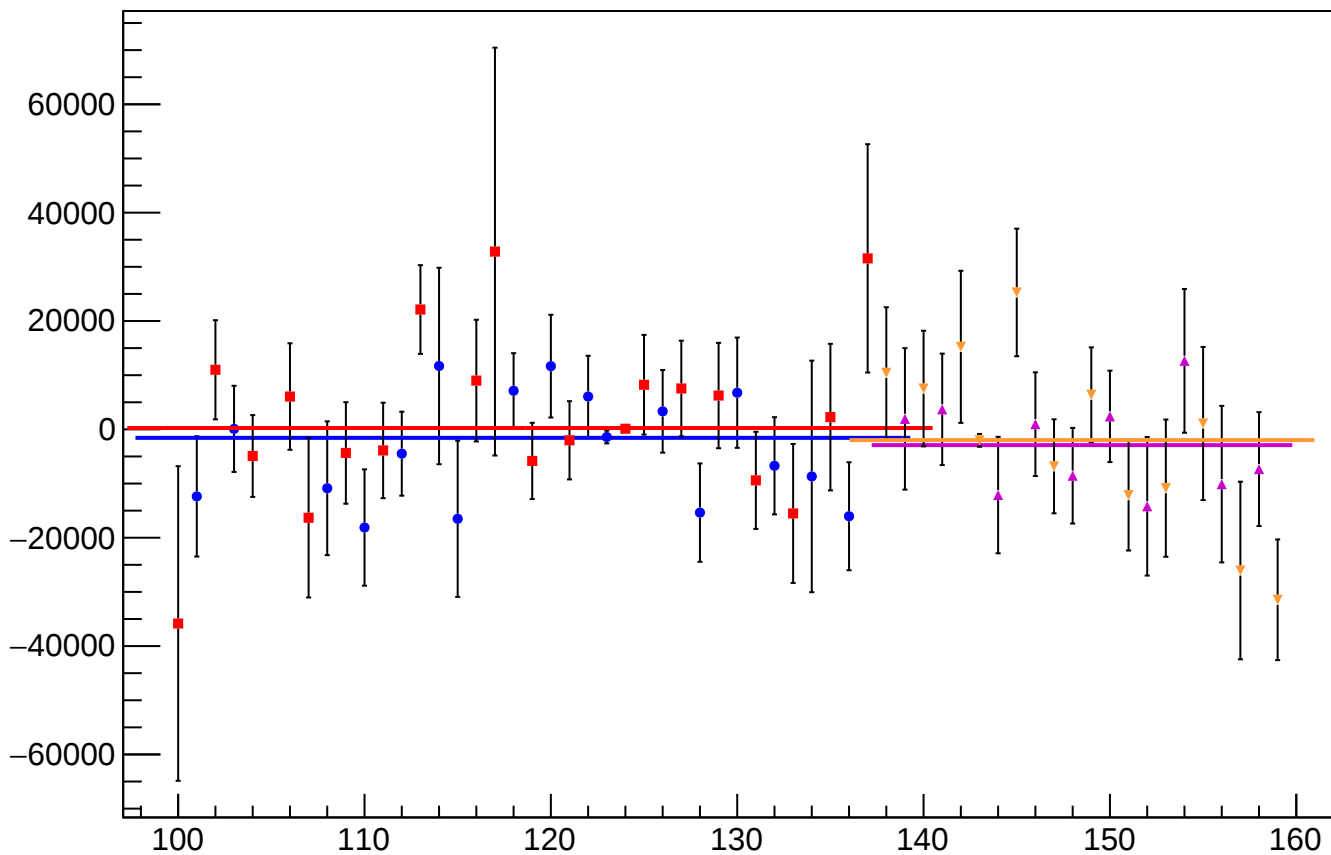
Right Out: 2052.576+/-0.557 χ^2/NDF : 443374.3/19

Left In: 2788.271+/-0.691 χ^2/NDF : 75388.0/9

2383.557+/-0.439 χ^2/NDF : 1670842.7/28

2342.400+/-0.434 χ^2/NDF : 1206053.5/29

asym_atl2_correction_mean vs Slug



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

Left Out: -1979.250 $\pm$ 1116.765 χ^2 /NDF: 20.6/11

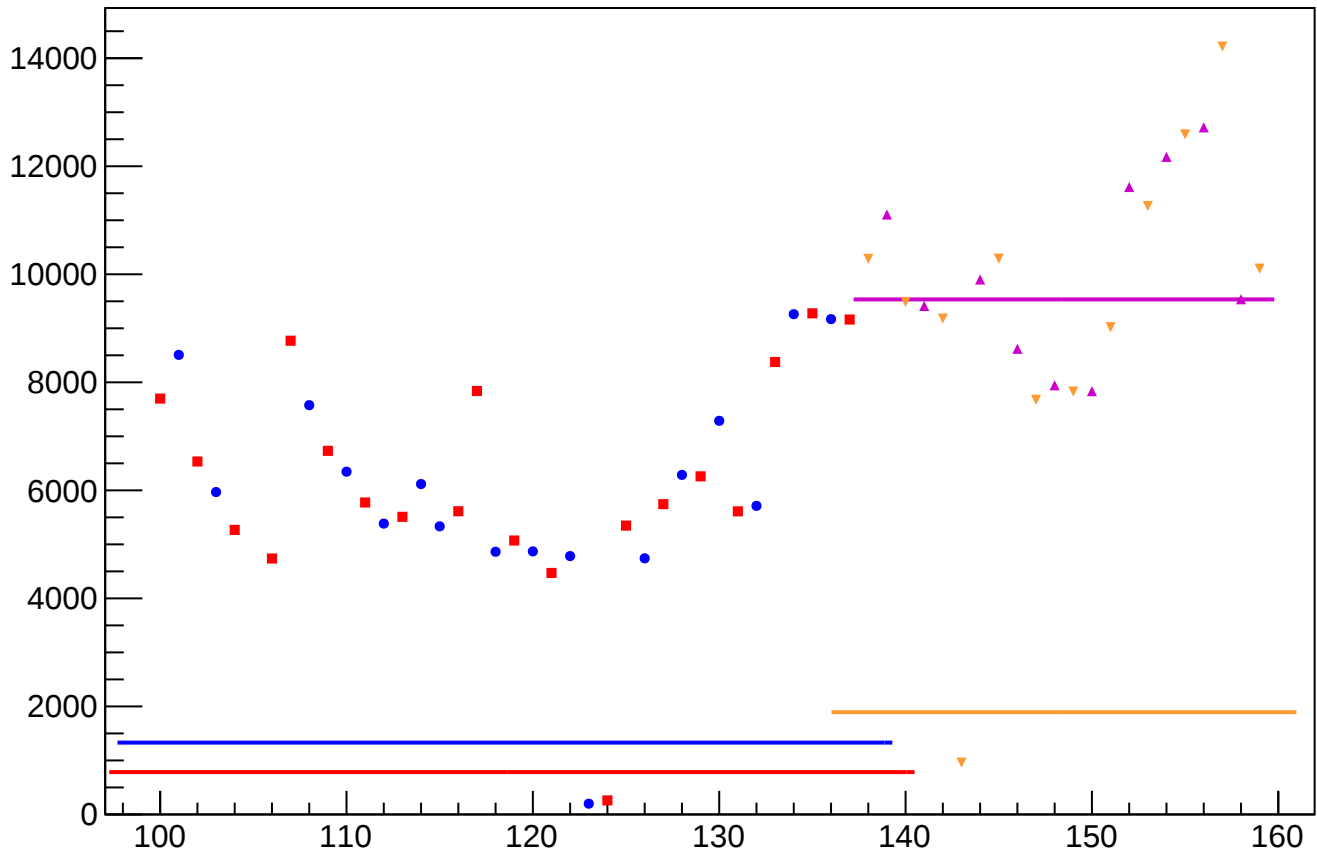
Right Out: 247.306 $\pm$ 695.049 χ^2 /NDF: 21.6/19

Left In: -2904.734 $\pm$ 3382.159 χ^2 /NDF: 4.8/9

-1759.204 $\pm$ 766.498 χ^2 /NDF: 36.9/28

119.583 $\pm$ 680.821 χ^2 /NDF: 27.2/29

asym_atl2_correction_rms vs Slug



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

Left Out: 1893.087+/-0.790 χ^2/NDF : 12019135.0/11

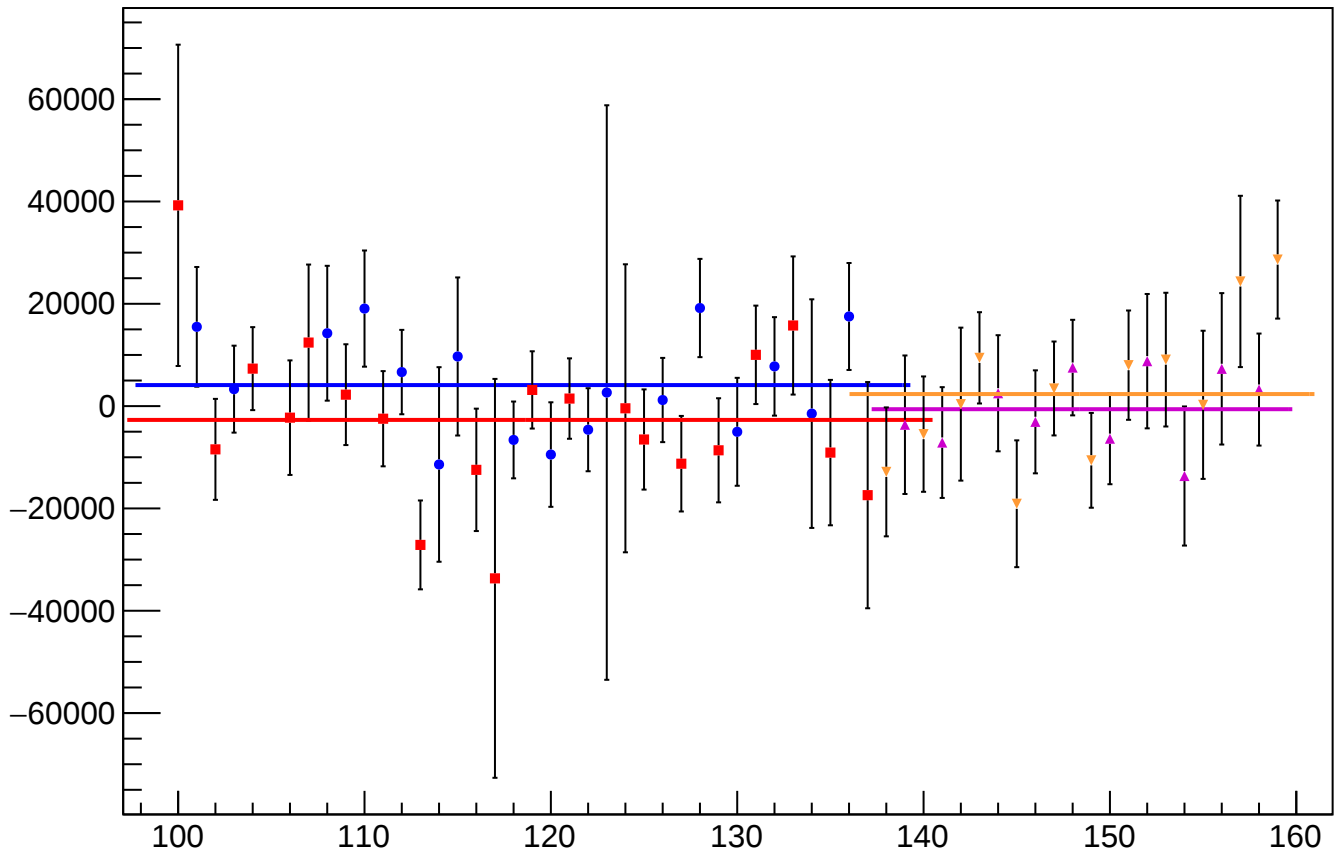
Right Out: 784.254+/-0.491 χ^2/NDF : 11510186.9/19

Left In: 9534.964+/-2.392 χ^2/NDF : 425170.3/9

1595.394+/-0.542 χ^2/NDF : 22334657.6/28

1138.840+/-0.481 χ^2/NDF : 24781247.0/29

asym_atl2_mean vs Slug



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

Left Out: 2356.043 $\pm$ 3302.553 χ^2 /NDF:15.0/11

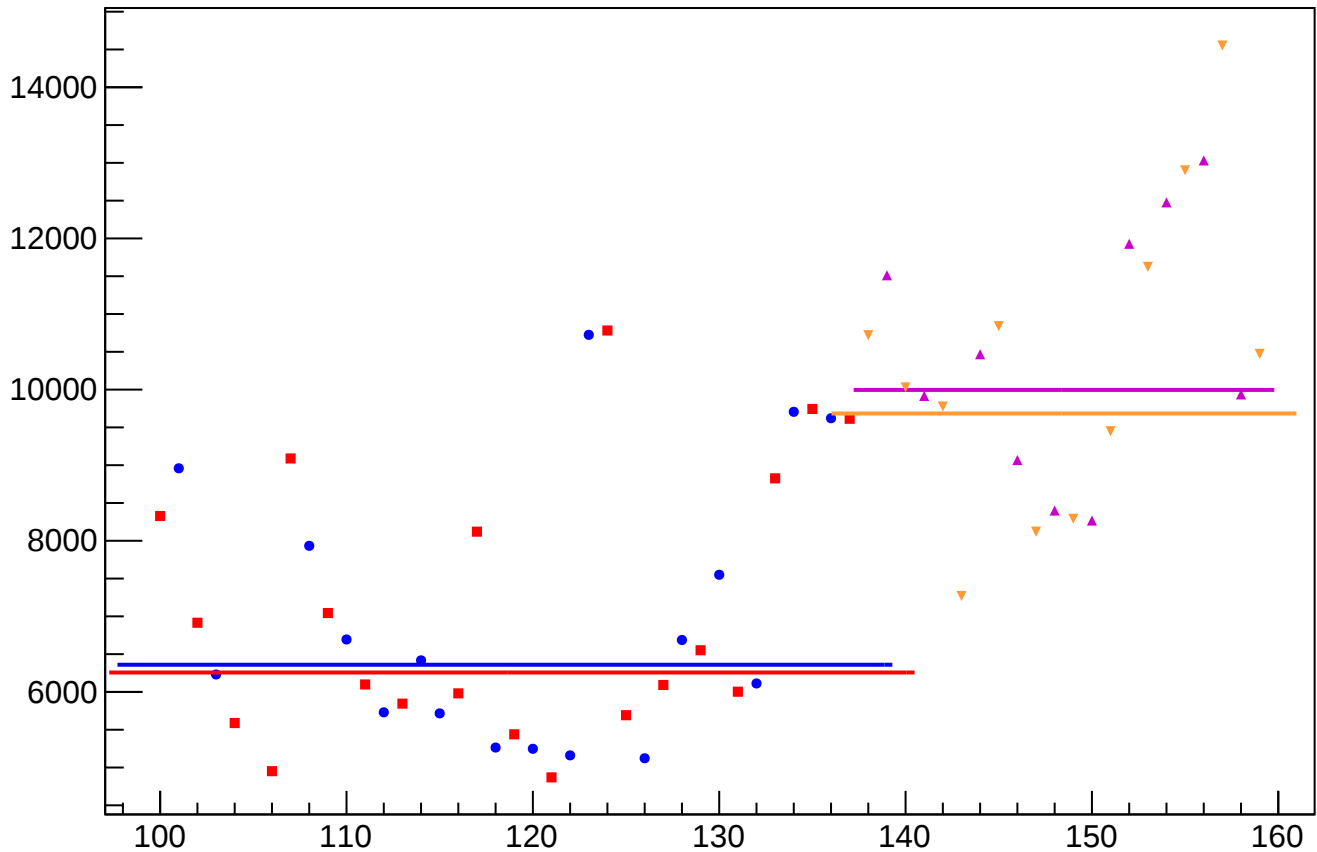
Right Out: -2697.106 $\pm$ 2415.828 χ^2 /NDF: 20.6/19

Left In: -603.967 $\pm$ 3539.297 χ^2 /NDF:3.6/9

3461.024 $\pm$ 2010.620 χ^2 /NDF: 29.5/28

-2031.848 $\pm$ 1995.322 χ^2 /NDF: 24.4/29

asym_atl2_rms vs Slug



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

Left Out: 9683.674+/-2.335 χ^2/NDF :604840.1/11

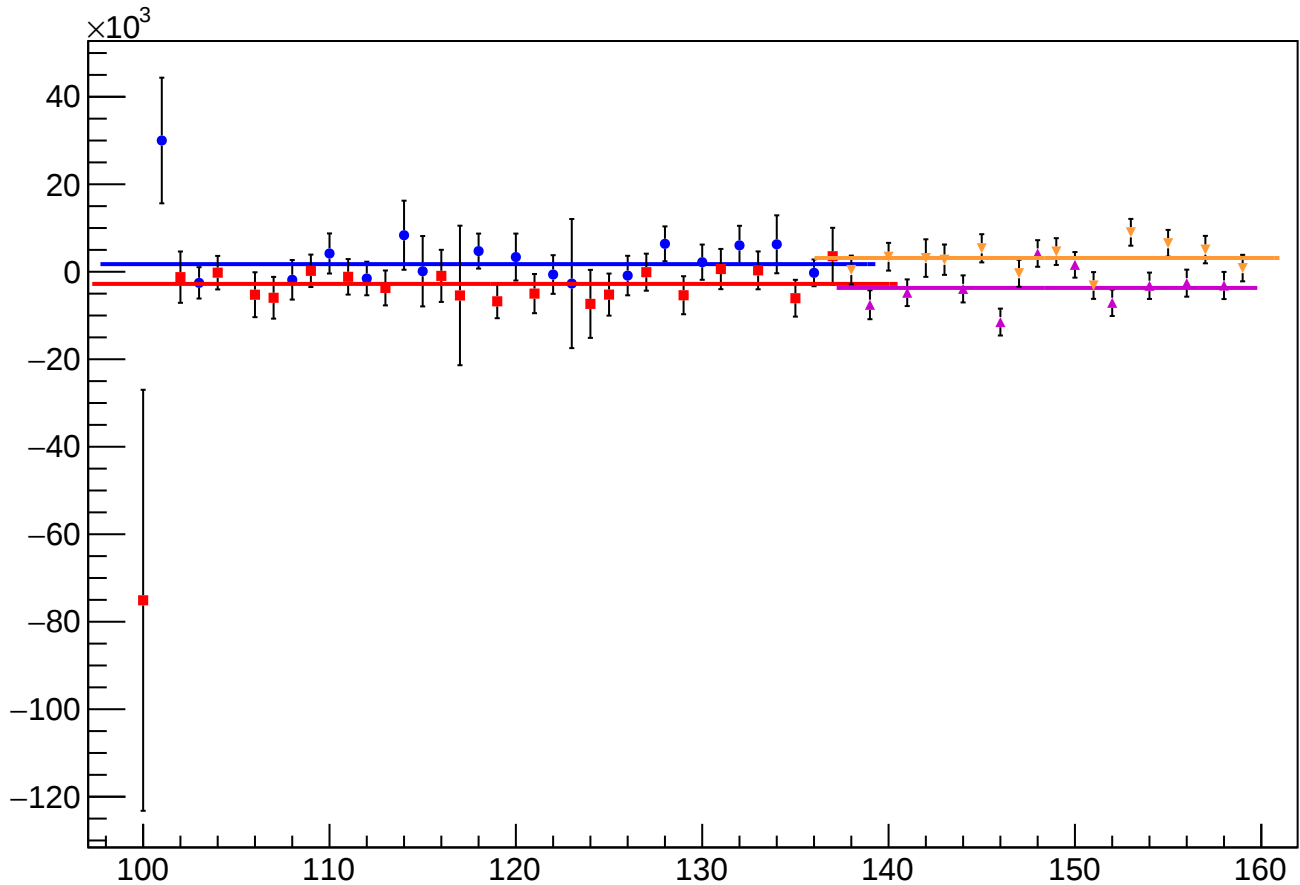
Right Out: 6257.232+/-1.708 χ^2/NDF : 537553.3/19

Left In: 9995.852+/-2.503 χ^2/NDF :373731.6/9

7591.857+/-1.422 χ^2/NDF : 2460228.2/28

7445.395+/-1.411 χ^2/NDF : 2433672.1/29

reg_asym_atr1_mean vs Slug



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

2587.409 $\pm$ 715.391 χ^2 /NDF: 25.9/28

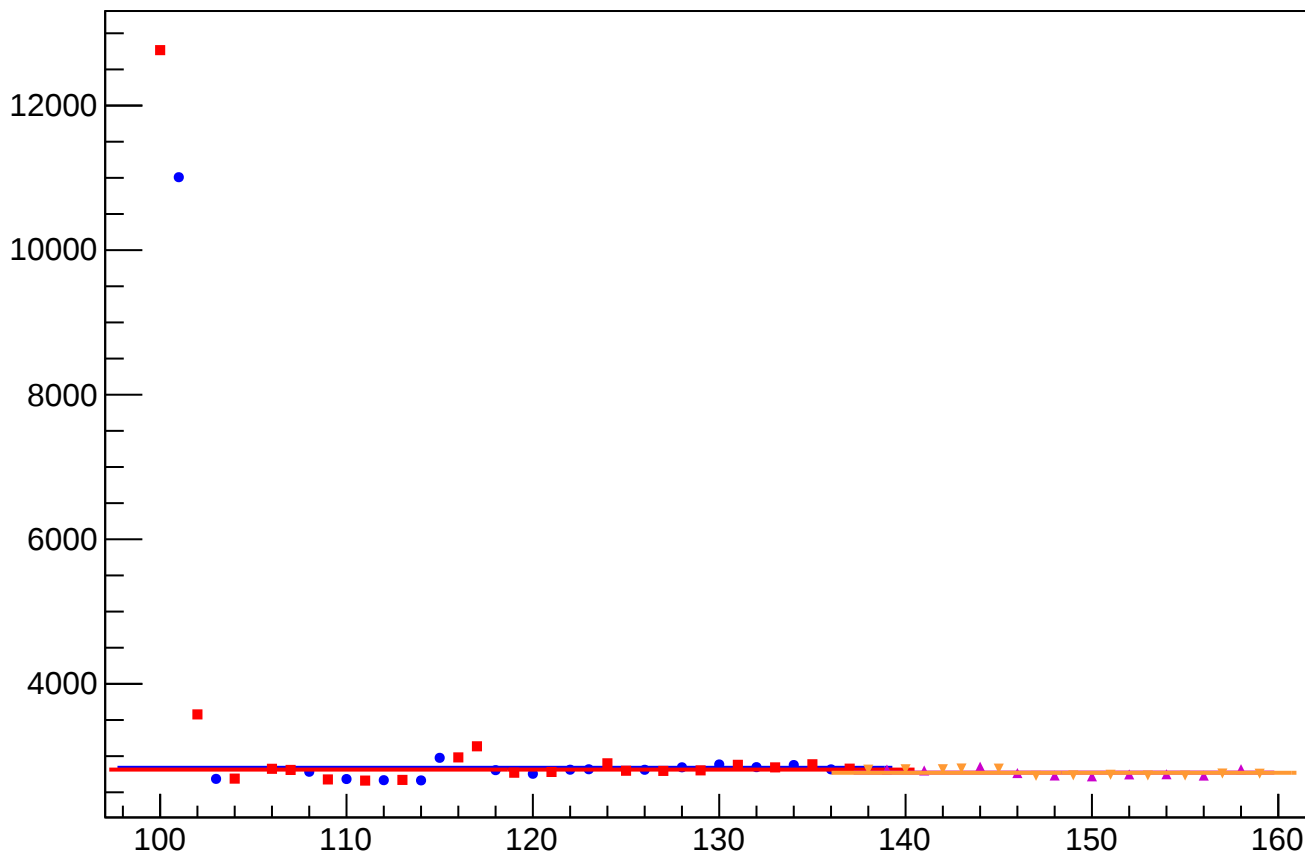
Left Out: 3152.692 $\pm$ 924.996 χ^2 /NDF: 12.8/11

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

-3280.217 $\pm$ 718.444 χ^2 /NDF: 29.5/29

Left In: -3694.981 $\pm$ 969.833 χ^2 /NDF: 19.3/9

reg_asym_atr1_rms vs Slug



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

Left Out: 2769.959+/-0.654 χ^2/NDF : 3777.5/11

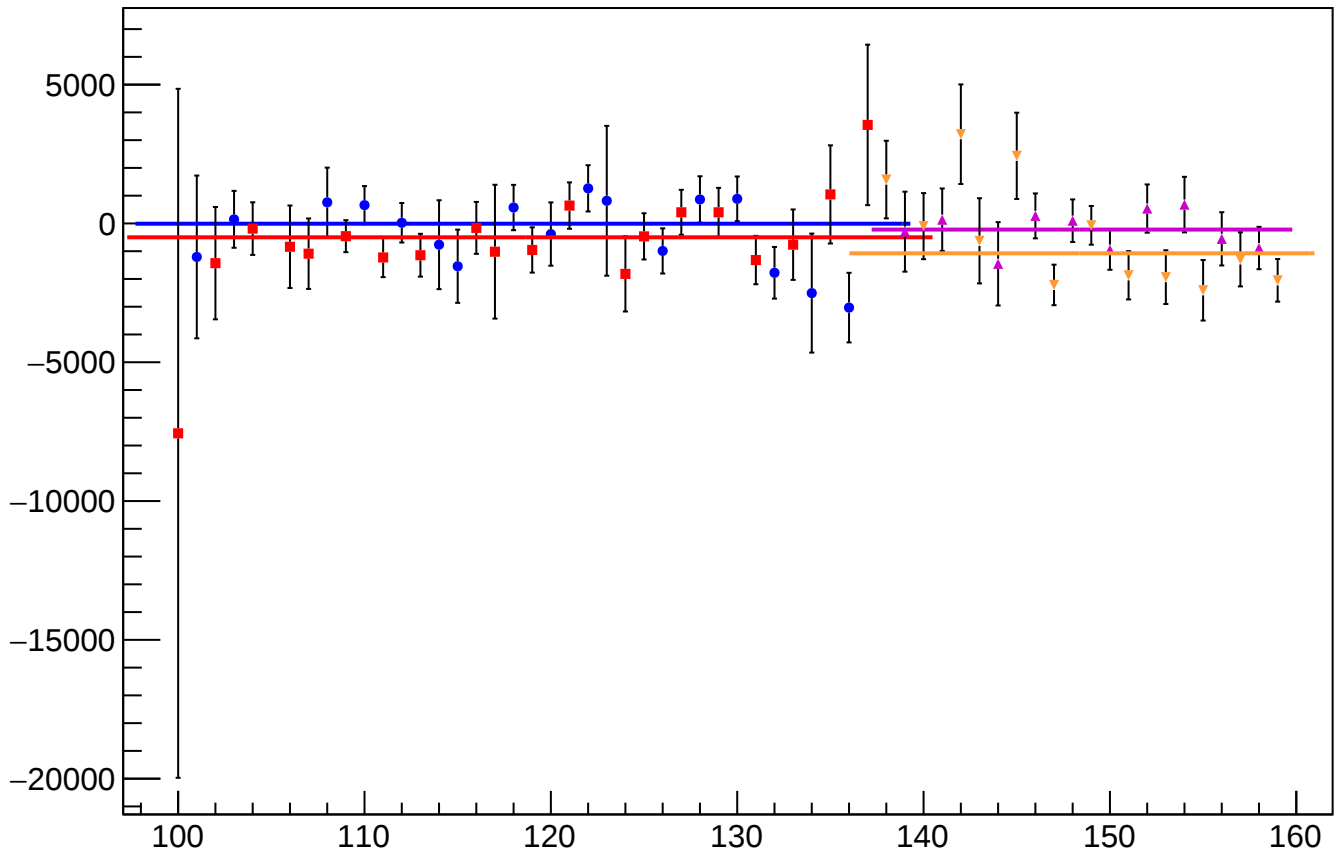
Right Out: 2814.083+/-0.756 χ^2/NDF : 133883.7/19

Left In: 2772.602+/-0.686 χ^2/NDF : 3965.3/9

2797.598+/-0.506 χ^2/NDF : 668430.2/28

2791.320+/-0.508 χ^2/NDF : 139499.9/29

asym_atr1_correction_mean vs Slug



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

Left Out: -1076.342 ± 285.251 χ^2/NDF : 24.5/11

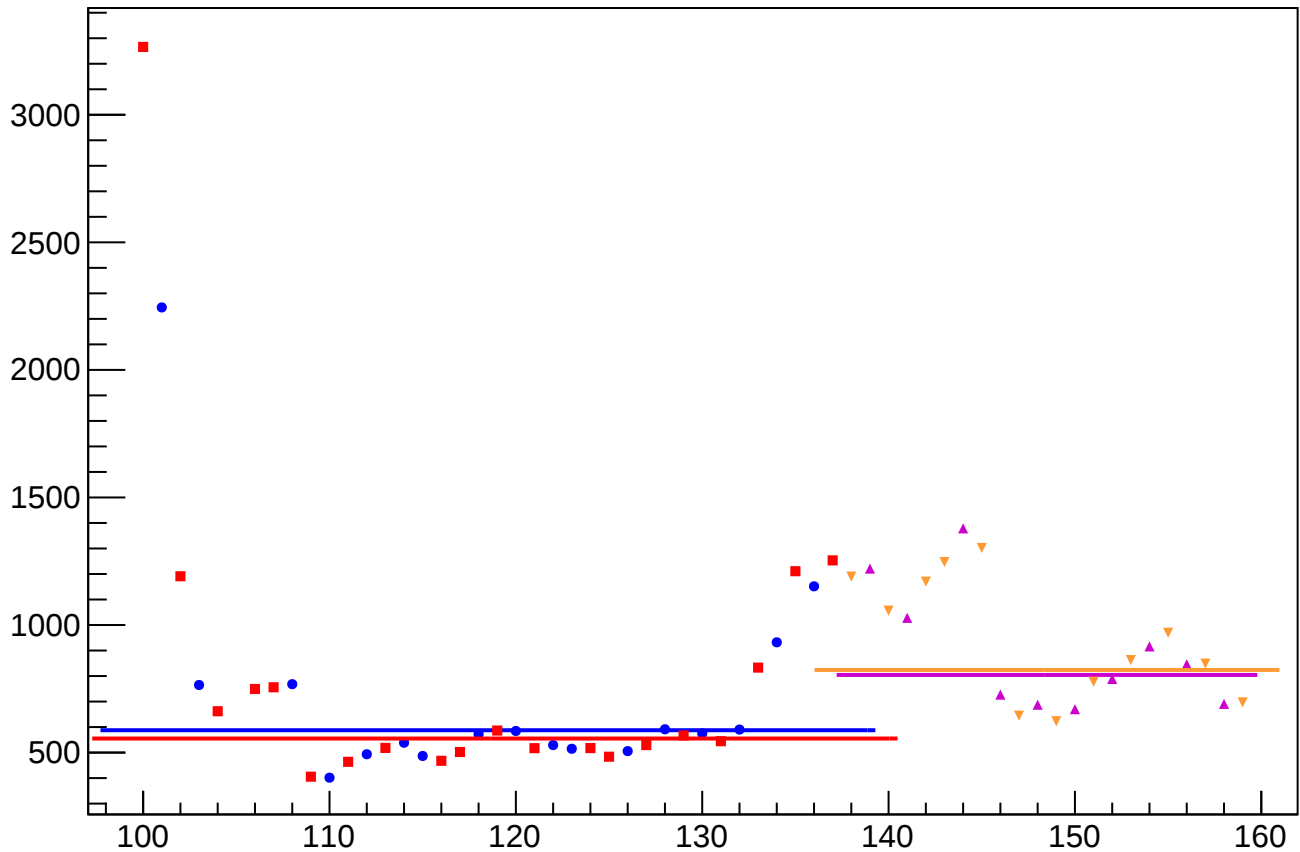
Right Out: -499.625 ± 220.558 χ^2/NDF : 11.9/19

Left In: -221.478 ± 288.709 χ^2/NDF : 4.8/9

-455.502 ± 184.394 χ^2/NDF : 53.3/28

-397.119 ± 175.266 χ^2/NDF : 17.3/29

asym_atr1_correction_rms vs Slug



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

Left Out: 823.871+/-0.202 χ^2/NDF : 1017260.2/11

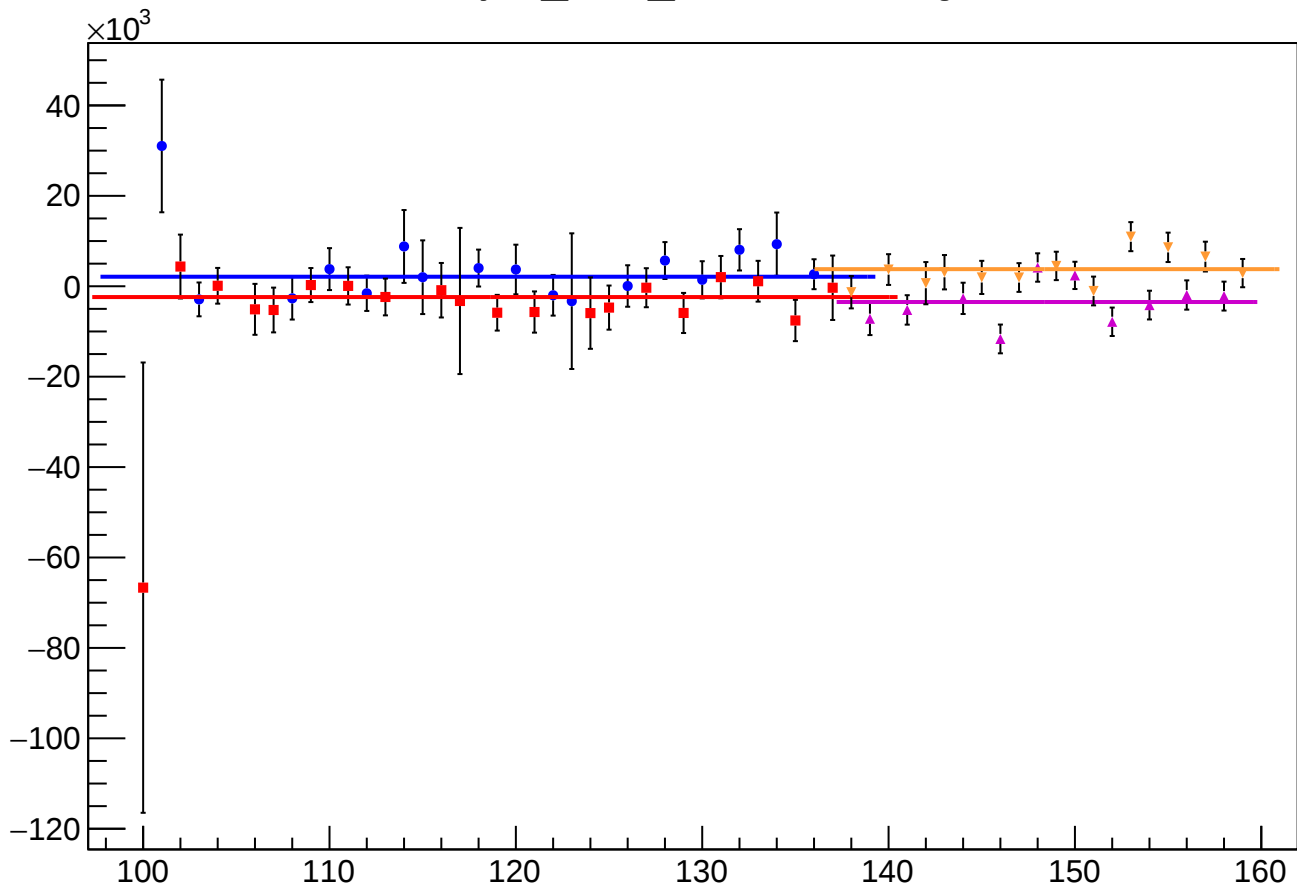
Right Out: 555.088+/-0.156 χ^2/NDF : 1107729.2/19

Left In: 804.360+/-0.204 χ^2/NDF : 747375.5/9

686.328+/-0.130 χ^2/NDF : 3241814.7/28

646.953+/-0.124 χ^2/NDF : 2796578.1/29

asym_atr1_mean vs Slug



Right In: 2108.498 ± 1164.336 $\chi^2/\text{NDF}: 13.5/16$

Left Out: 3783.855 ± 981.161 $\chi^2/\text{NDF}: 13.4/11$

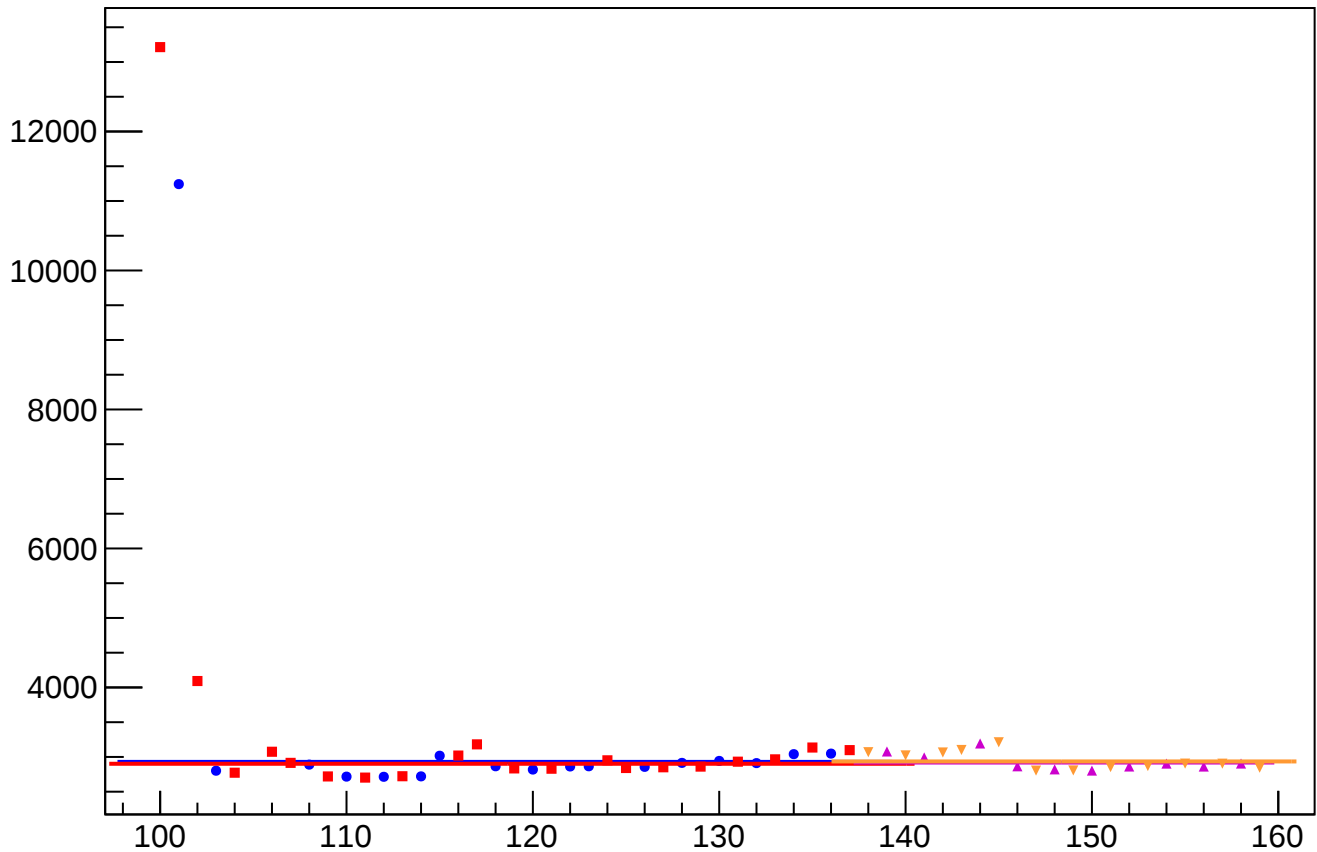
Right Out: -2389.947 ± 1107.639 $\chi^2/\text{NDF}: 9.9/19$

Left In: -3484.875 ± 1021.827 $\chi^2/\text{NDF}: 20.1/9$

3088.178 ± 750.289 $\chi^2/\text{NDF}: 28.1/28$

-2981.462 ± 751.048 $\chi^2/\text{NDF}: 30.5/29$

asym_atr1_rms vs Slug



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

Left Out: 2935.297+/-0.694 χ^2 /NDF: 31709.0/11

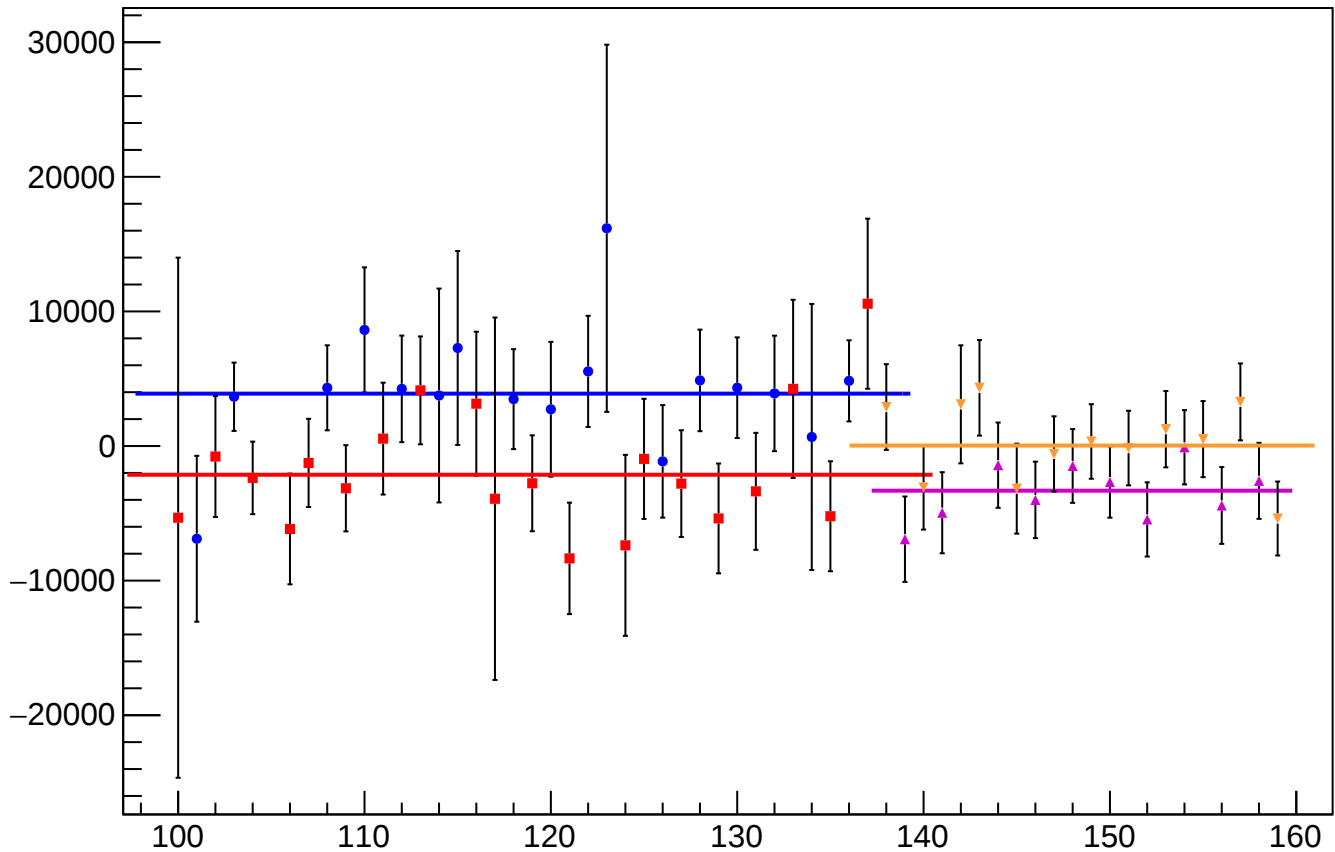
2932.558+/-0.531 χ^2 /NDF: 694109.5/28

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

2911.308+/-0.531 χ^2 /NDF: 194915.6/29

Left In: 2919.408+/-0.723 χ^2 /NDF: 24321.4/9

reg_asym_atr2_mean vs Slug



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

Left Out: 35.265+/-872.027 χ^2/NDF :10.1/11

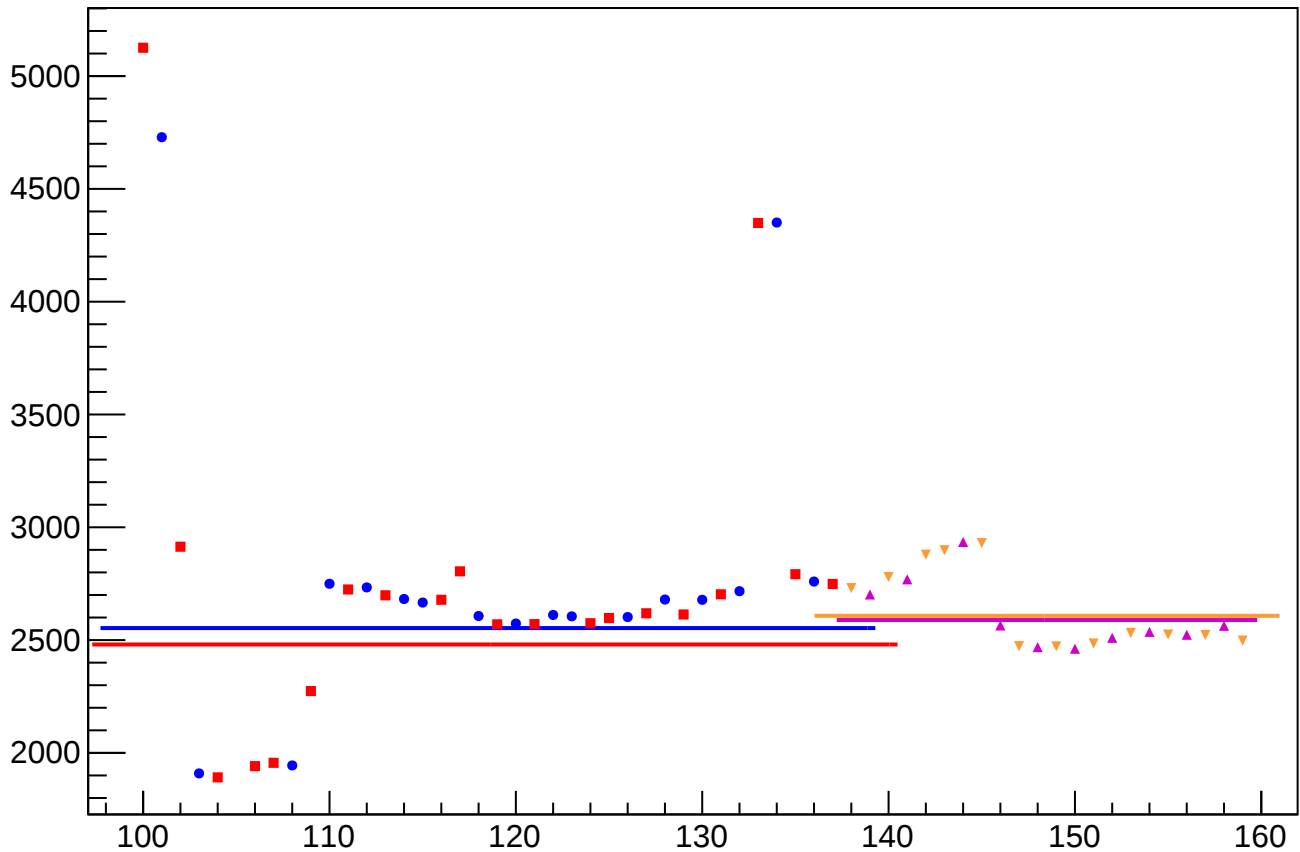
Right Out: -2133.736+/-955.999 χ^2/NDF : 14.4/19

Left In: -3317.119+/-905.251 χ^2/NDF :4.7/9

1679.410+/-660.528 χ^2/NDF : 25.6/28

-2757.669+/-657.318 χ^2/NDF : 19.9/29

reg_asym_atr2_rms vs Slug



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

Left Out: 2607.667+/-0.617 χ^2/NDF : 70104.3/11

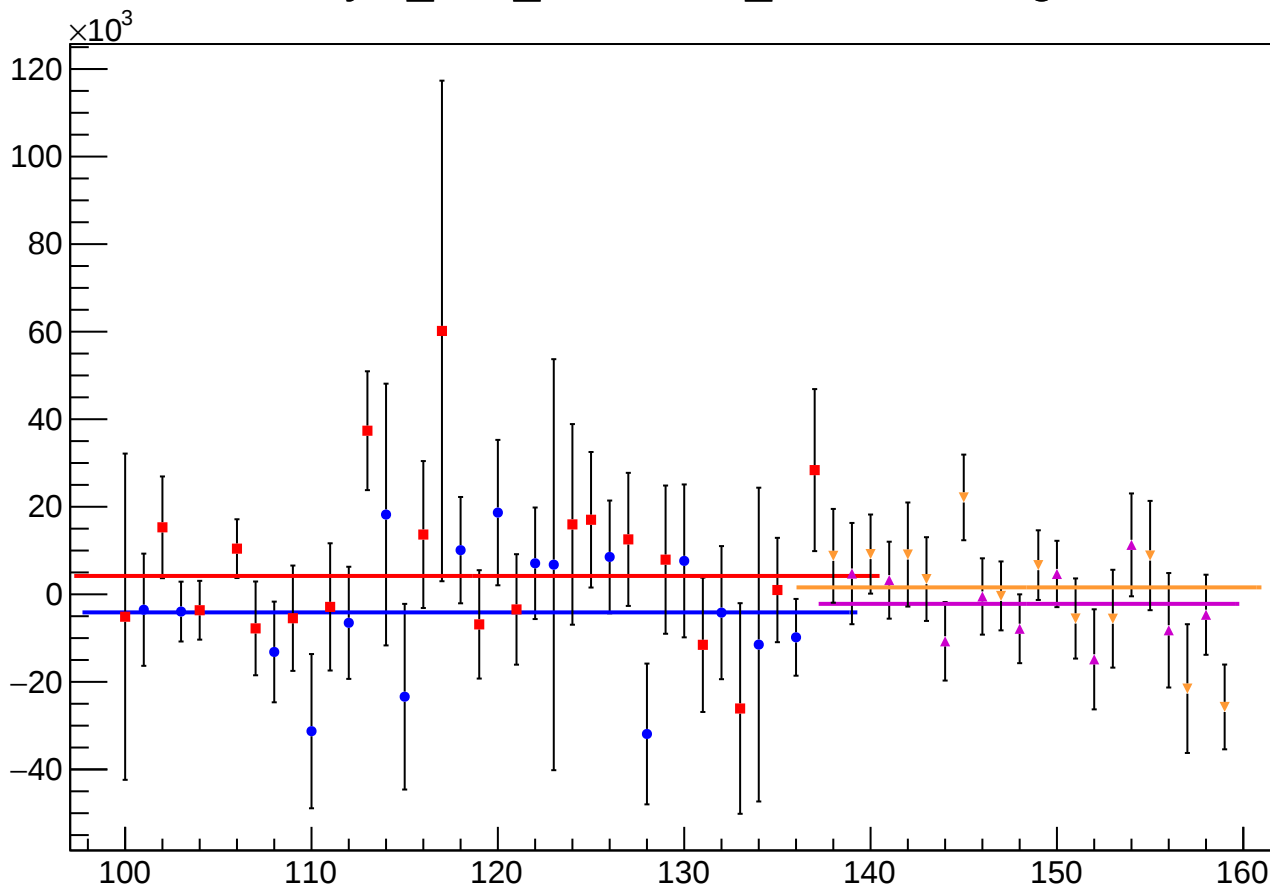
Right Out: 2480.504+/-0.676 χ^2/NDF : 450669.1/19

Left In: 2588.970+/-0.640 χ^2/NDF : 45752.4/9

2584.485+/-0.467 χ^2/NDF : 618647.2/28

2537.692+/-0.465 χ^2/NDF : 509995.8/29

asym_atr2_correction_mean vs Slug



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

Left Out: 1586.058 ± 2851.330 χ^2/NDF : 18.3/11

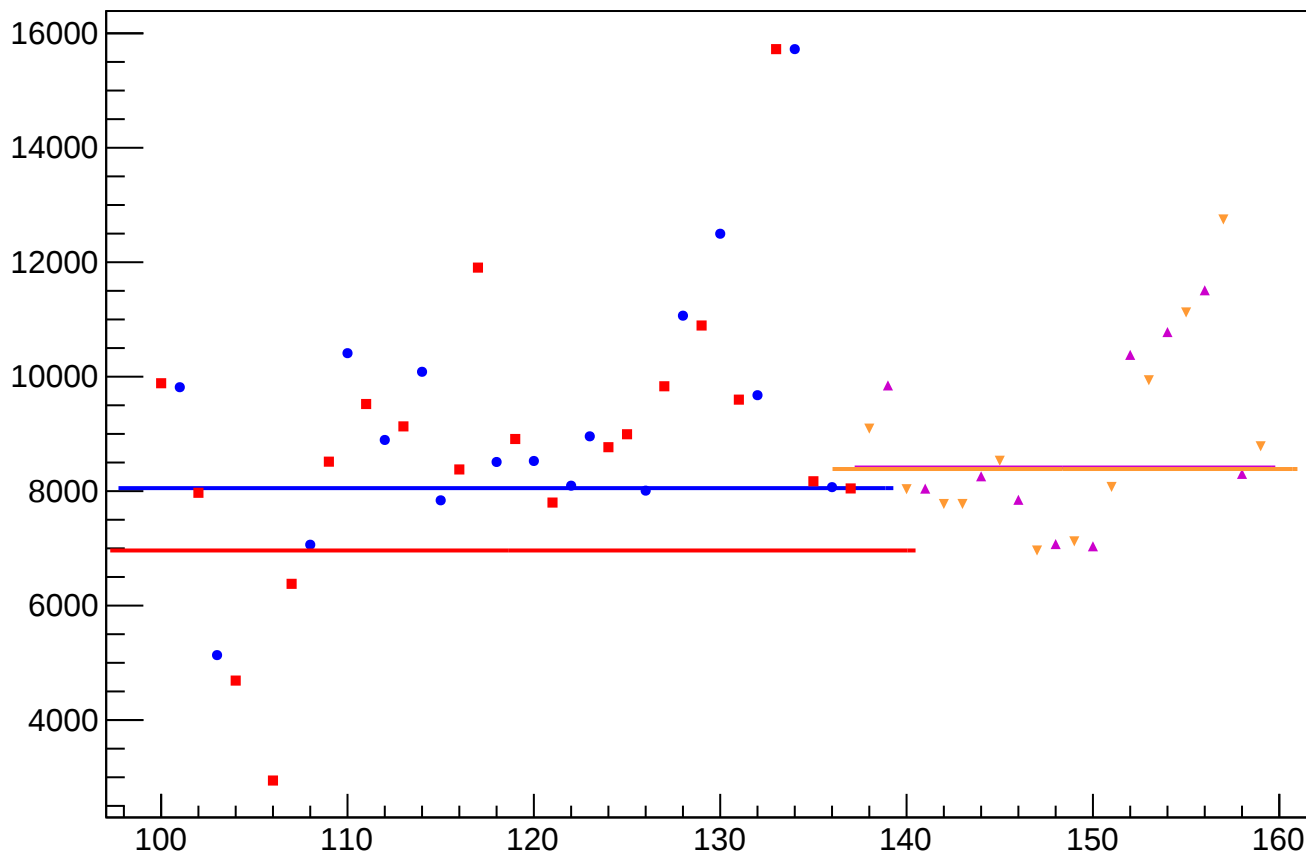
Right Out: 4197.870 ± 2830.850 χ^2/NDF : 19.5/19

Left In: -2178.354 ± 2983.992 χ^2/NDF : 5.9/9

-918.384 ± 2136.741 χ^2/NDF : 33.4/28

1177.569 ± 2053.719 χ^2/NDF : 27.7/29

asym_atr2_correction_rms vs Slug



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

Left Out: 8386.641+/-2.016 χ^2/NDF : 457690.3/11

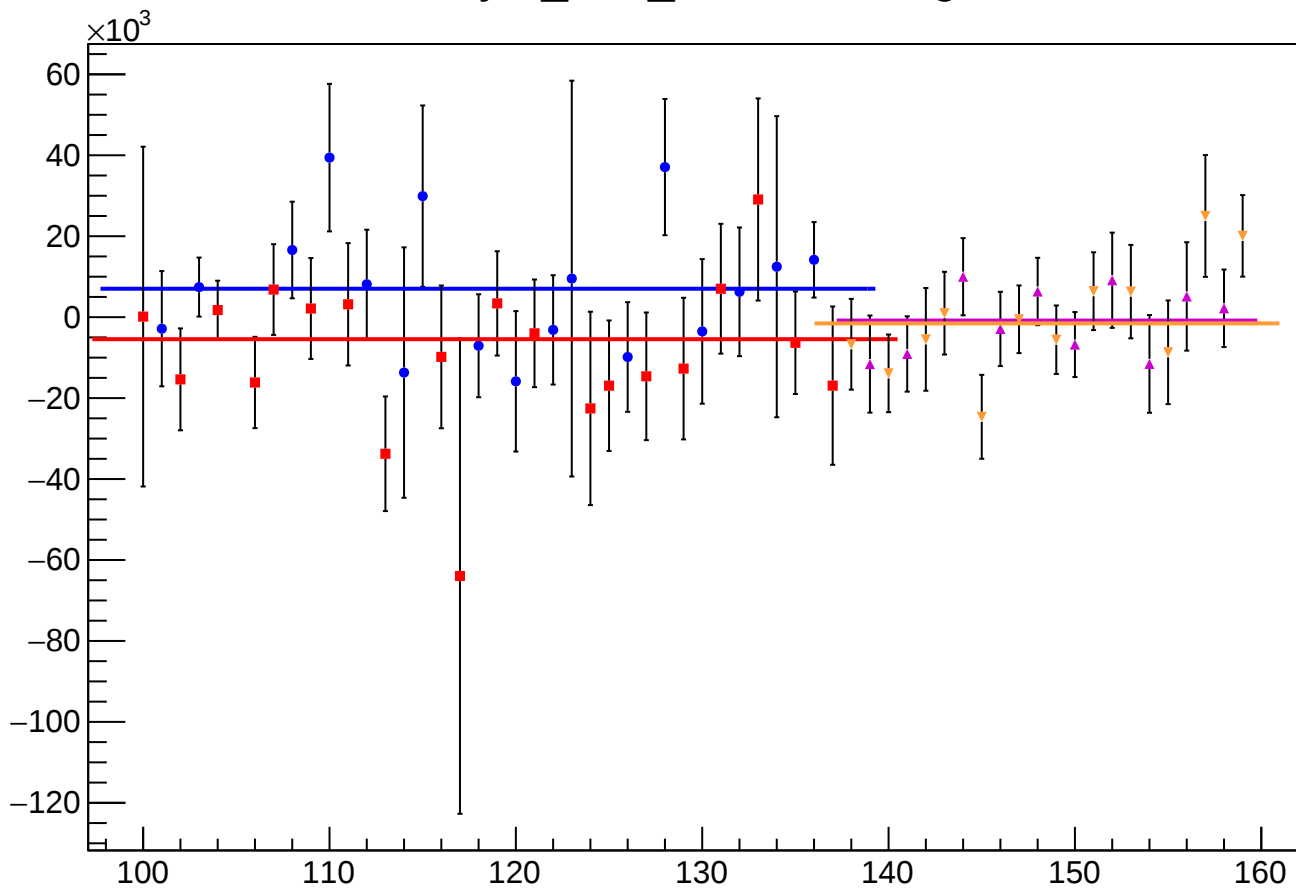
Right Out: 6963.091+/-2.002 χ^2/NDF : 1791563.9/19

Left In: 8412.812+/-2.110 χ^2/NDF : 420148.2/9

8240.169+/-1.511 χ^2/NDF : 1260452.5/28

7649.797+/-1.452 χ^2/NDF : 2460169.7/29

asym_atr2_mean vs Slug



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

Left Out: -1539.066 $\pm$ 3003.076 χ^2 /NDF: 16.4/11

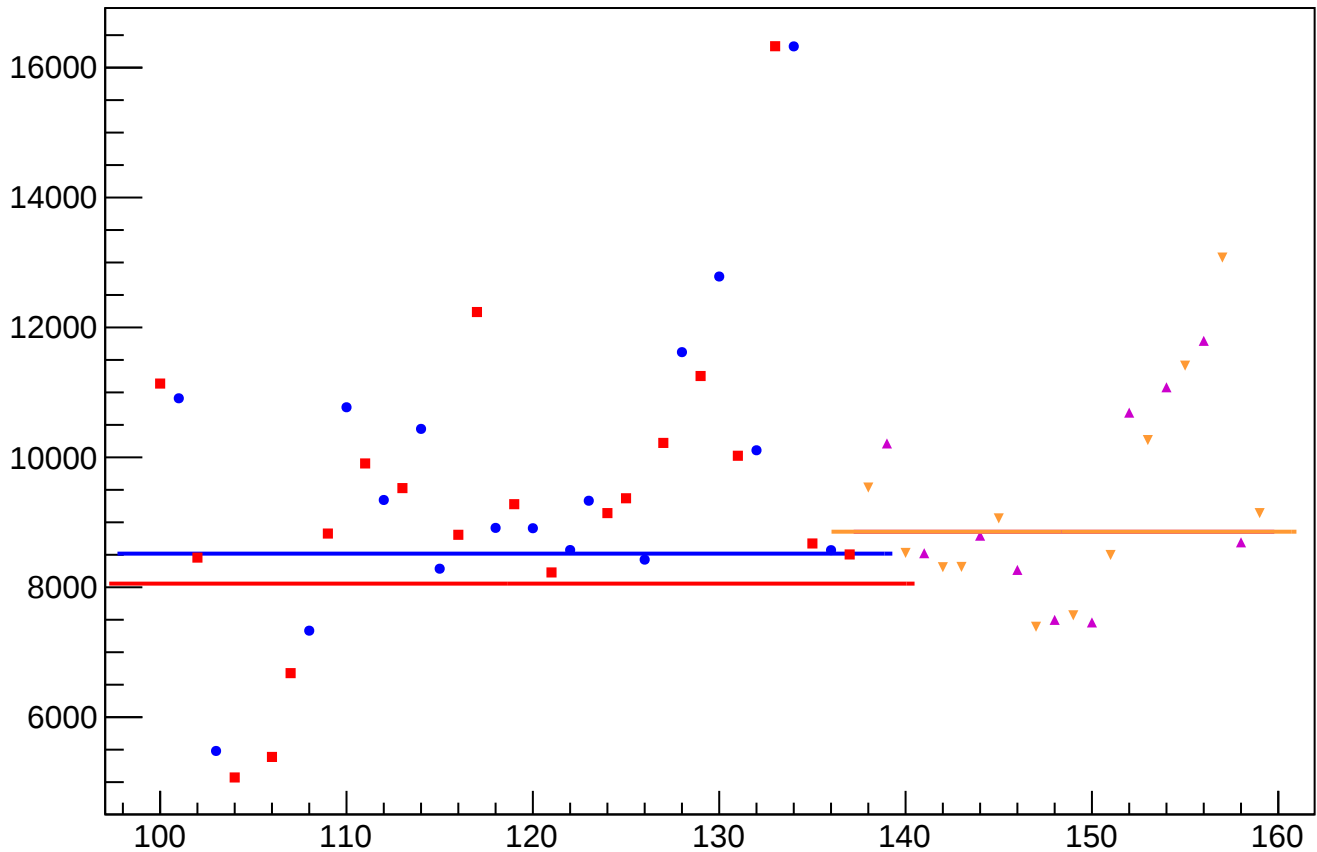
Right Out: -5441.890 $\pm$ 3163.600 χ^2 /NDF: 14.3/19

Left In: -831.397 $\pm$ 3133.431 χ^2 /NDF: 6.0/9

2202.543 $\pm$ 2253.556 χ^2 /NDF: 35.0/28

-3114.555 $\pm$ 2226.260 χ^2 /NDF: 21.4/29

asym_atr2_rms vs Slug



Right In: 8517.886 ± 2.411 $\chi^2/\text{NDF}: 763281.4/16$

Left Out: 8855.518 ± 2.123 $\chi^2/\text{NDF}: 398701.2/11$

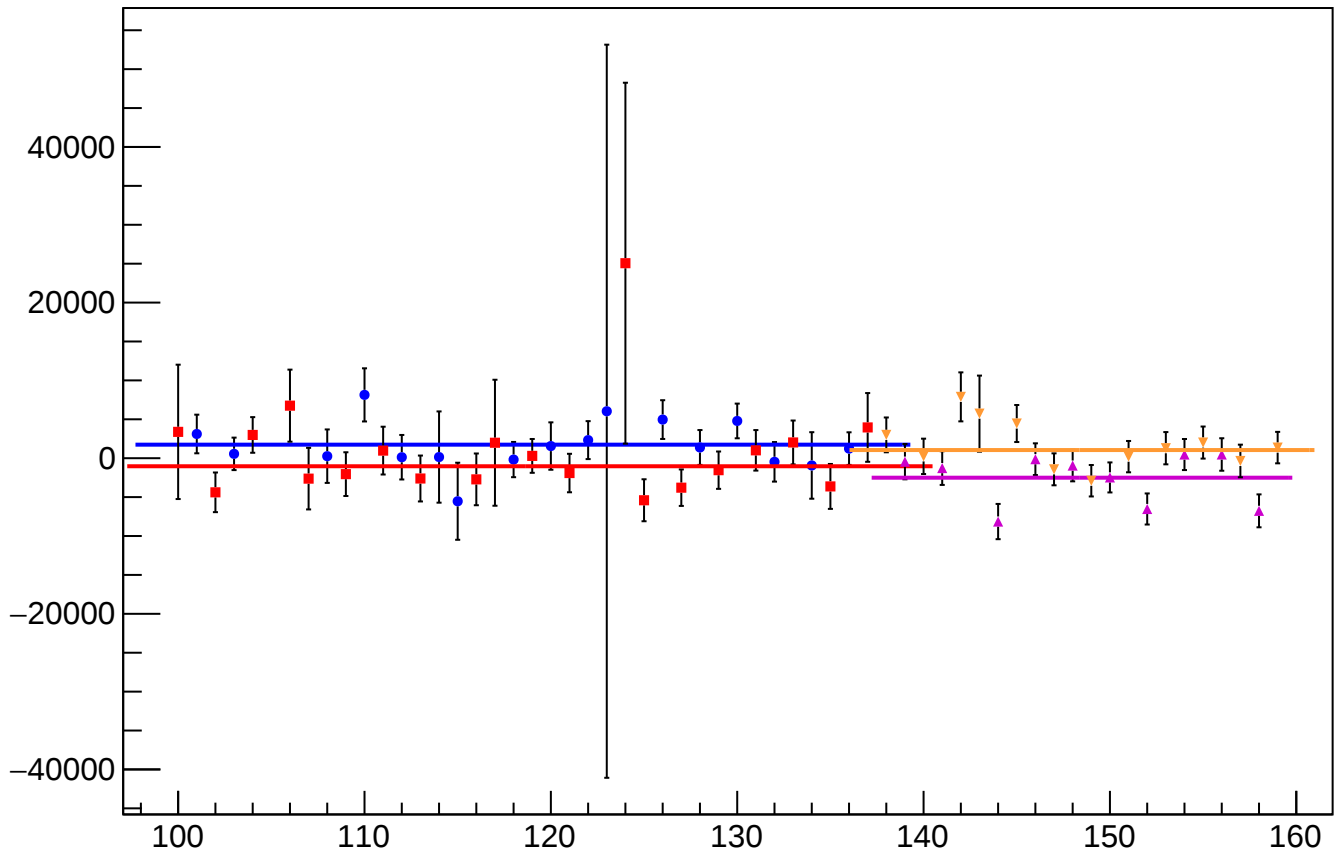
8708.015 ± 1.594 $\chi^2/\text{NDF}: 1173027.0/28$

Right Out: 8056.153 ± 2.237 $\chi^2/\text{NDF}: 962282.6/19$

8458.833 ± 1.574 $\chi^2/\text{NDF}: 1389832.9/29$

Left In: 8853.898 ± 2.216 $\chi^2/\text{NDF}: 363352.2/9$

reg_asym_atl_avg_mean vs Slug



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

Left Out: 1046.712+/-647.870 χ^2/NDF : 14.7/11

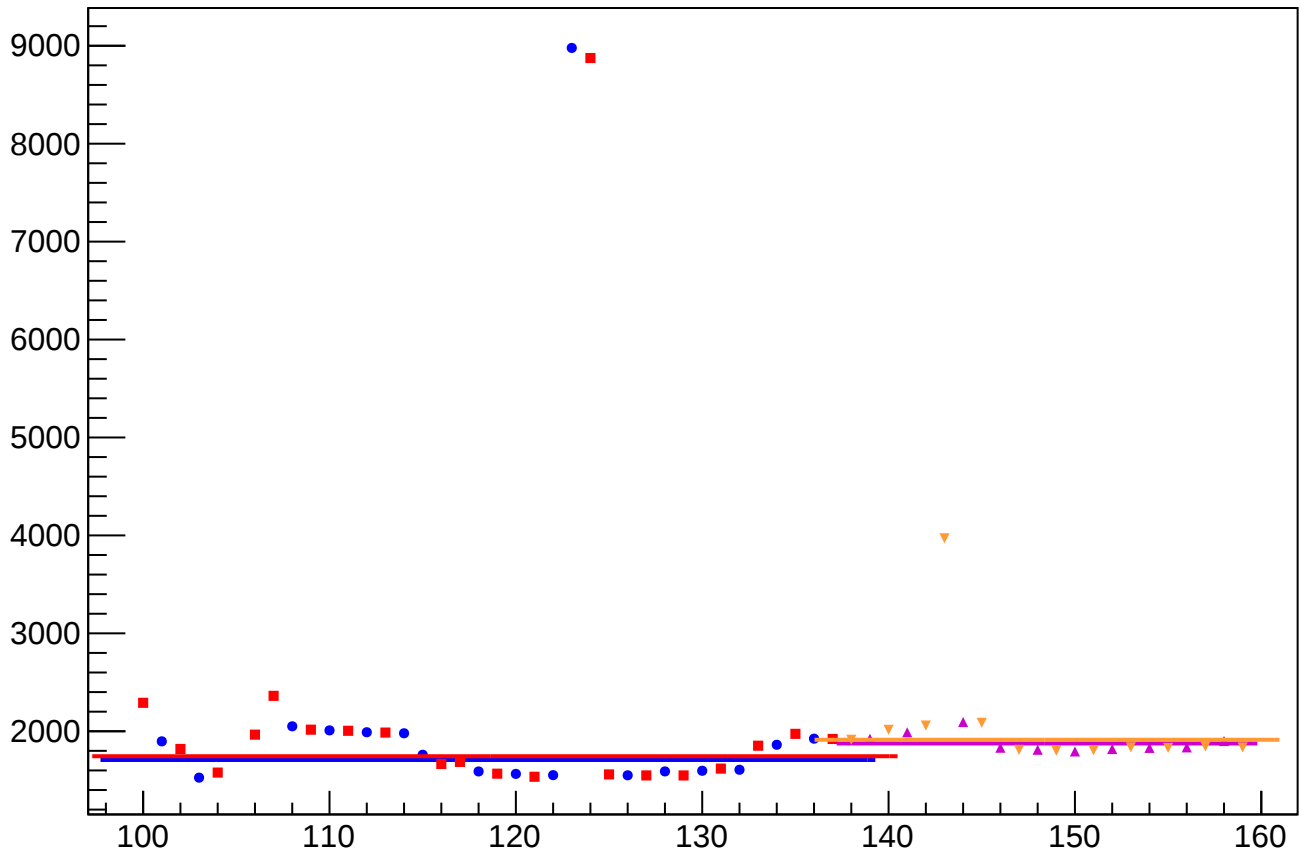
Right Out: -1034.828+/-668.692 χ^2/NDF : 19.0/19

Left In: -2506.510+/-657.942 χ^2/NDF : 21.7/9

1381.340+/-465.873 χ^2/NDF : 27.7/28

-1782.593+/-468.990 χ^2/NDF : 43.1/29

reg_asym_atl_avg_rms vs Slug



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

Left Out: 1913.277+/-0.458 χ^2/NDF : 401196.8/11

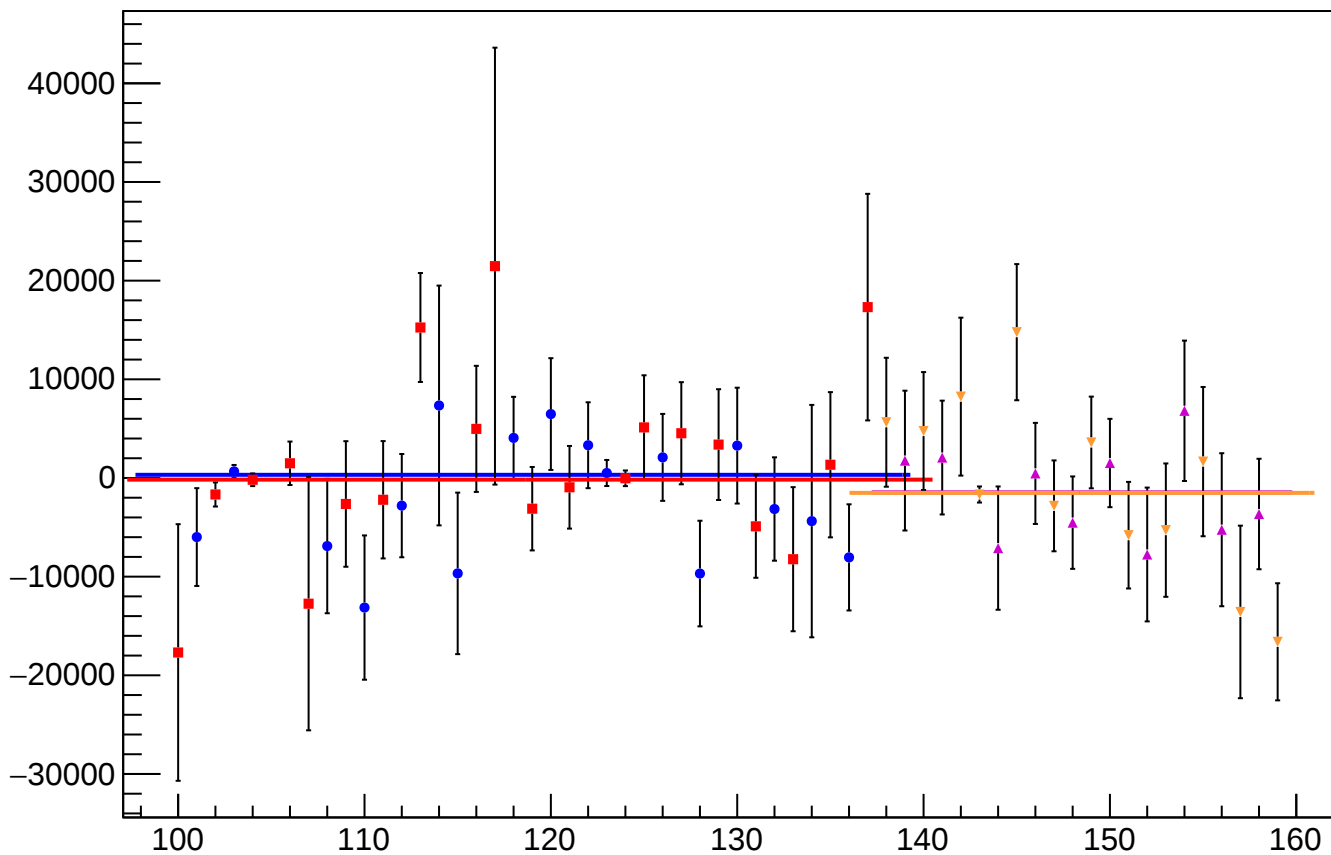
Right Out: 1745.037+/-0.471 χ^2/NDF : 399916.1/19

Left In: 1875.081+/-0.465 χ^2/NDF : 35258.3/9

1813.598+/-0.329 χ^2/NDF : 696789.1/28

1810.825+/-0.331 χ^2/NDF : 473781.1/29

asym_atl_avg_correction_mean vs Slug



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

Left Out: -1508.570 ± 744.683 χ^2/NDF : 20.2/11

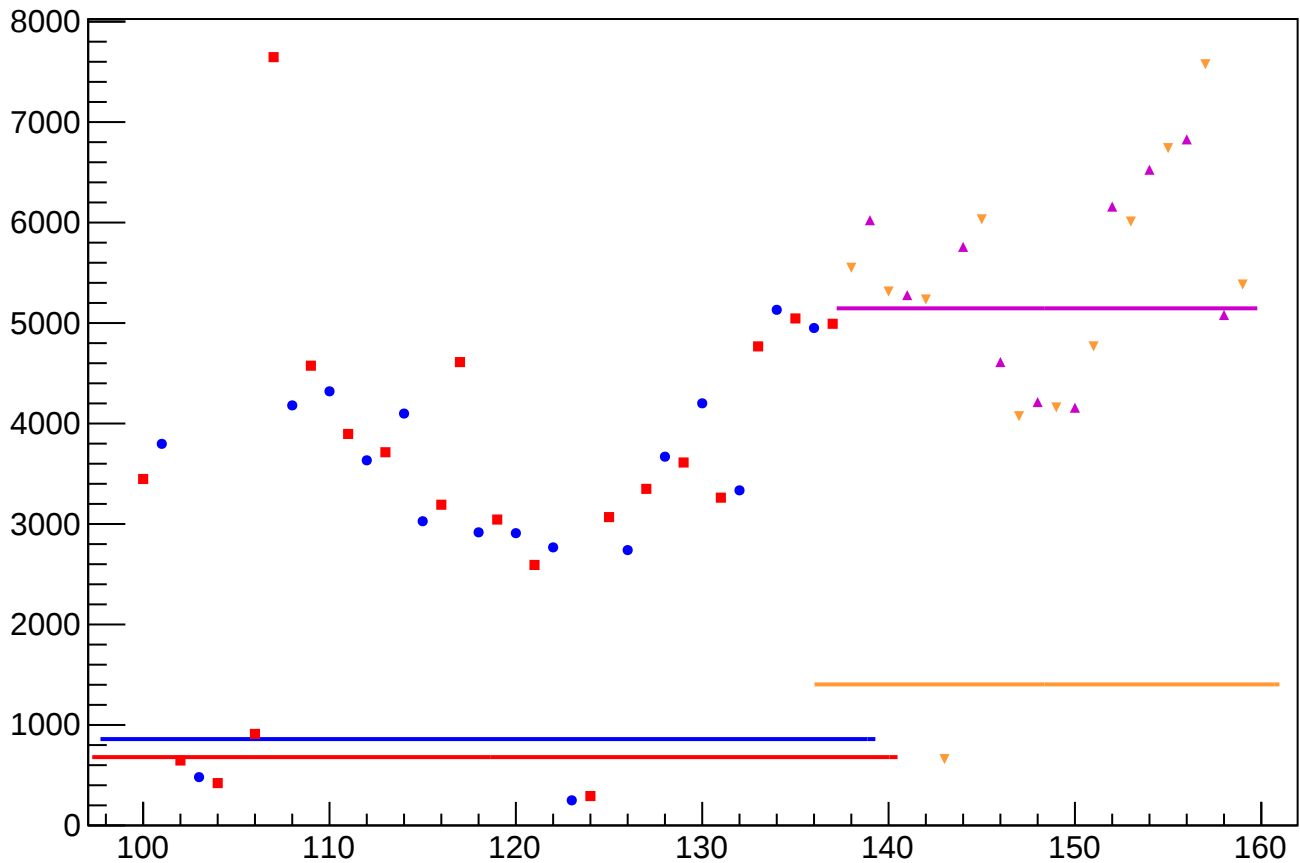
Right Out: -168.343 ± 433.469 χ^2/NDF : 21.7/19

Left In: -1456.061 ± 1828.014 χ^2/NDF : 5.0/9

-310.157 ± 437.364 χ^2/NDF : 42.1/28

-236.895 ± 421.773 χ^2/NDF : 27.2/29

asym_atl_avg_correction_rms vs Slug



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

Left Out: 1403.894+/-0.527 χ^2/NDF : 10656070.8/11

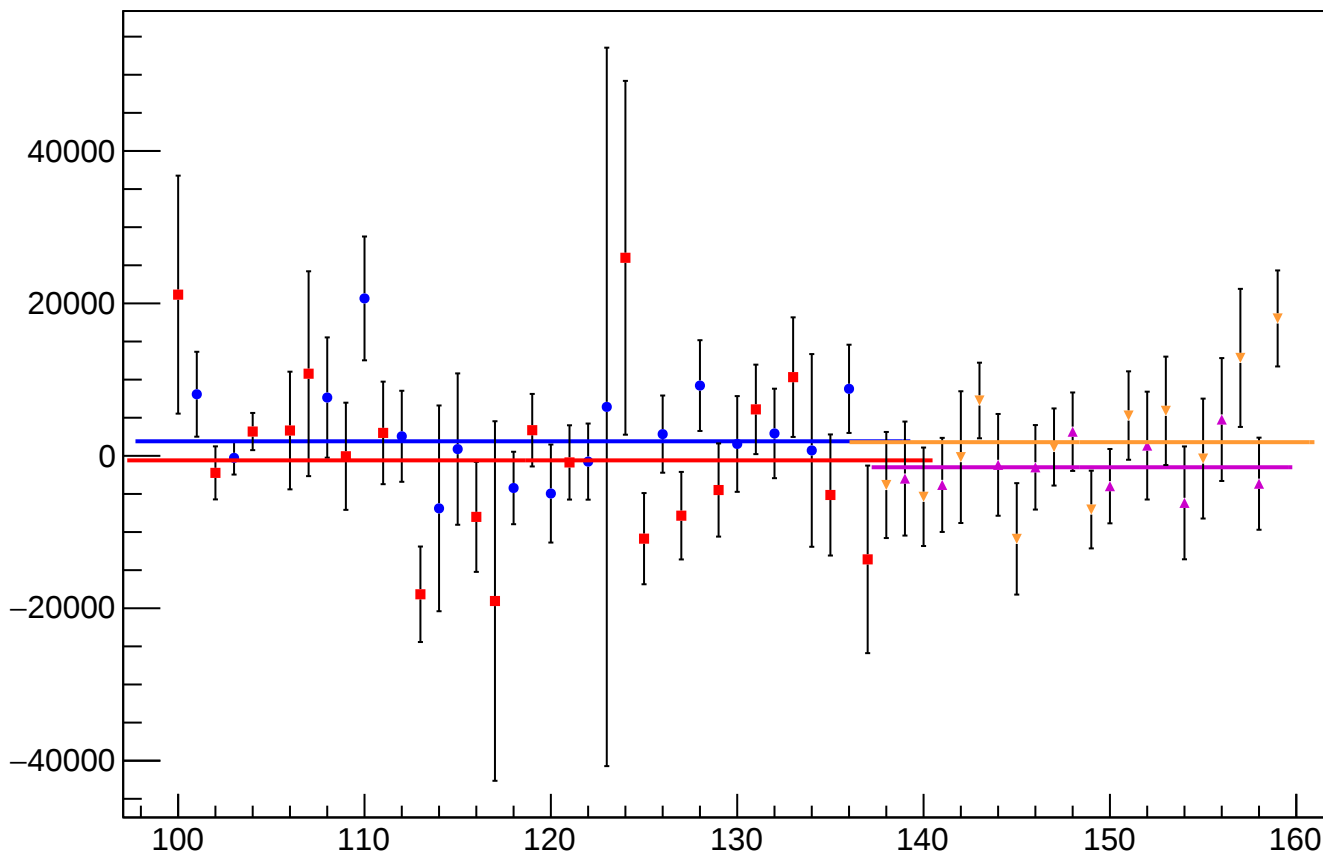
Right Out: 680.110+/-0.307 χ^2/NDF : 8447884.2/19

Left In: 5146.243+/-1.293 χ^2/NDF : 463707.5/9

1047.320+/-0.309 χ^2/NDF : 19499345.7/28

917.865+/-0.298 χ^2/NDF : 20214141.5/29

asym_atl_avg_mean vs Slug



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

Left Out: 1793.805+/-1832.174 χ^2/NDF : 18.1/11

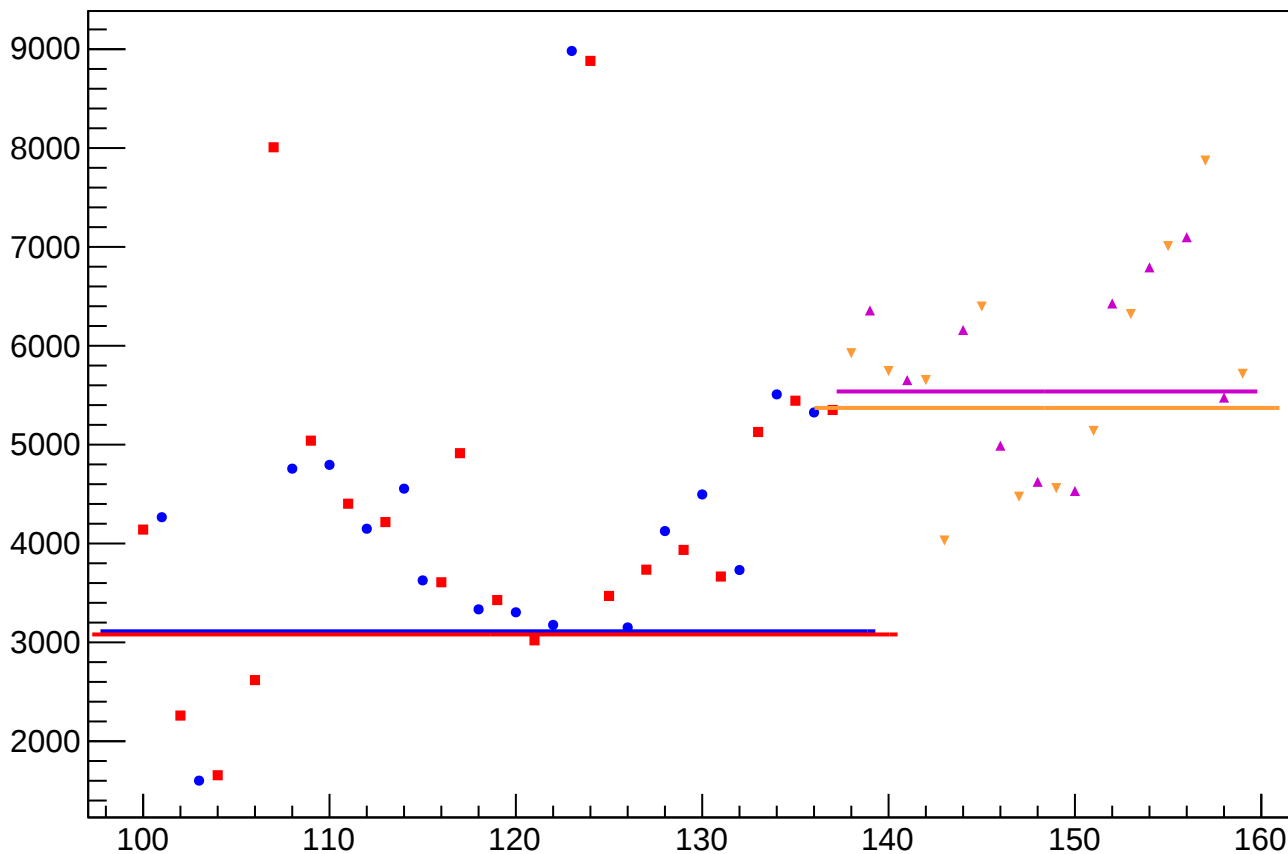
Right Out: -594.380+/-1283.911 χ^2/NDF : 27.0/19

Left In: -1497.794+/-1961.610 χ^2/NDF : 2.6/9

1870.253+/-1065.750 χ^2/NDF : 32.7/28

-865.327+/-1074.264 χ^2/NDF : 29.7/29

asym_atl_avg_rms vs Slug



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

Left Out: 5371.493+/-1.296 χ^2/NDF : 604642.5/11

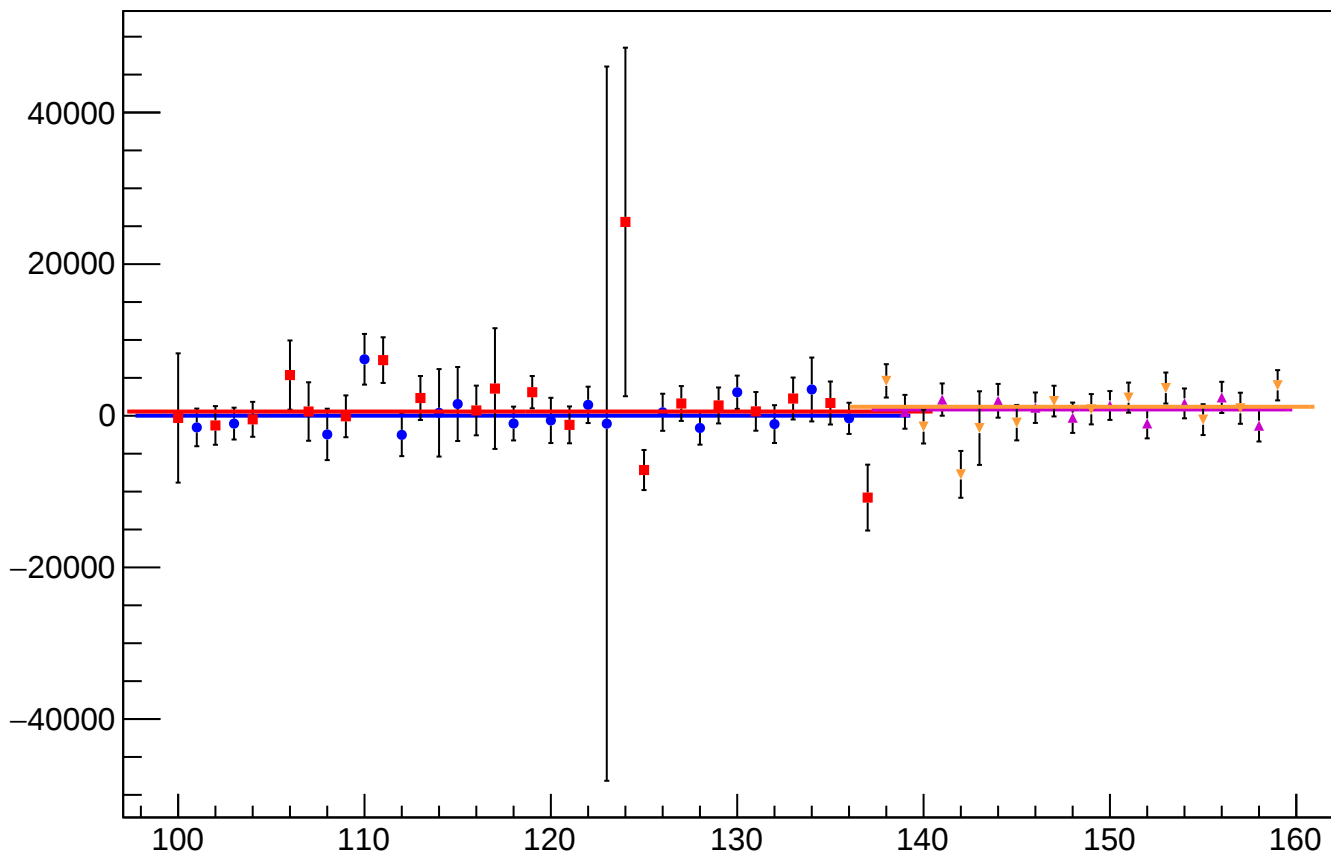
Right Out: 3080.063+/-0.895 χ^2/NDF : 2017746.3/19

Left In: 5537.748+/-1.387 χ^2/NDF : 374044.5/9

3876.397+/-0.754 χ^2/NDF : 4497044.1/28

3802.247+/-0.752 χ^2/NDF : 4608740.9/29

reg_asym_atl_dd_mean vs Slug



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

Left Out: 1186.520+/-638.112 χ^2/NDF : 18.0/11

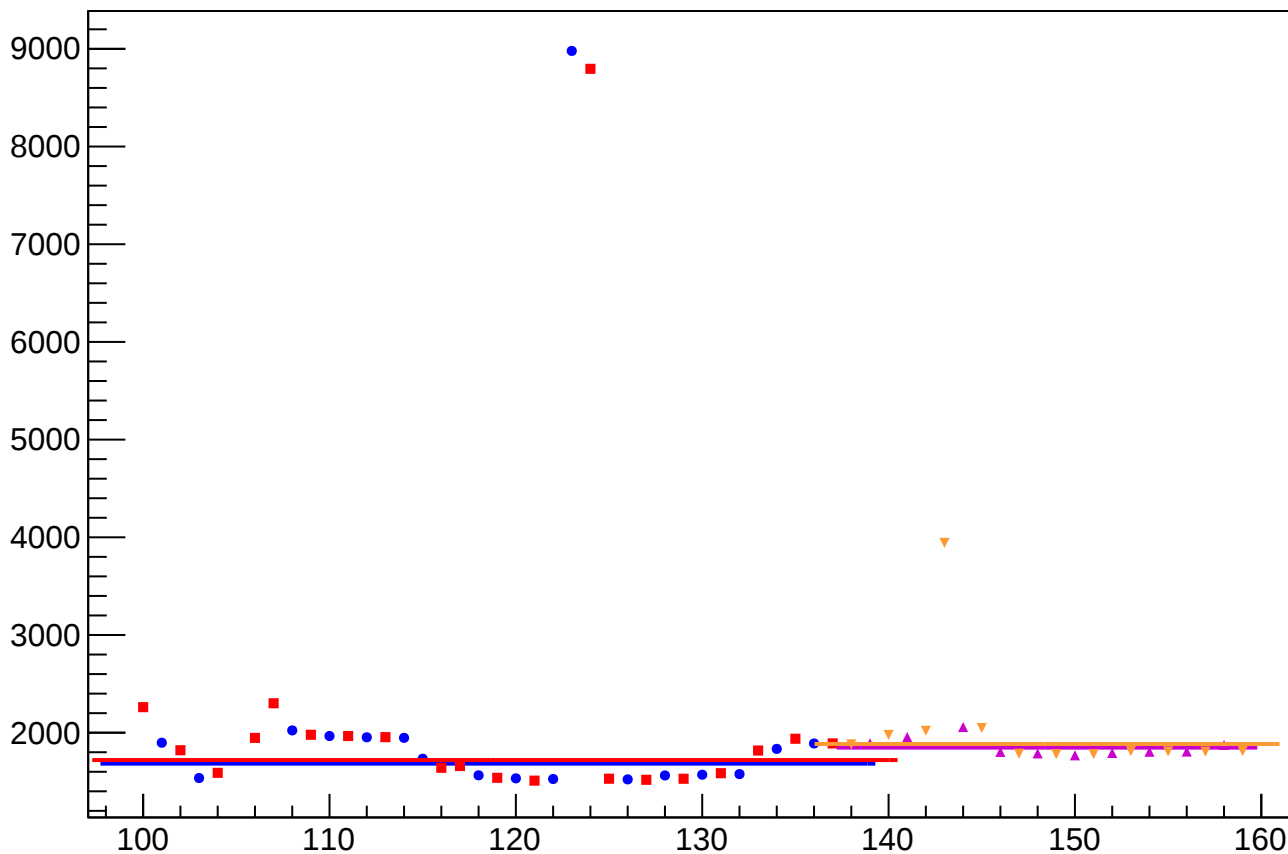
Right Out: 558.377+/-658.875 χ^2/NDF : 26.8/19

Left In: 833.859+/-648.151 χ^2/NDF : 3.7/9

621.058+/-459.125 χ^2/NDF : 30.7/28

698.378+/-462.057 χ^2/NDF : 30.6/29

reg_asym_atl_dd_rms vs Slug



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

Left Out: 1884.355+/-0.451 χ^2/NDF : 403433.8/11

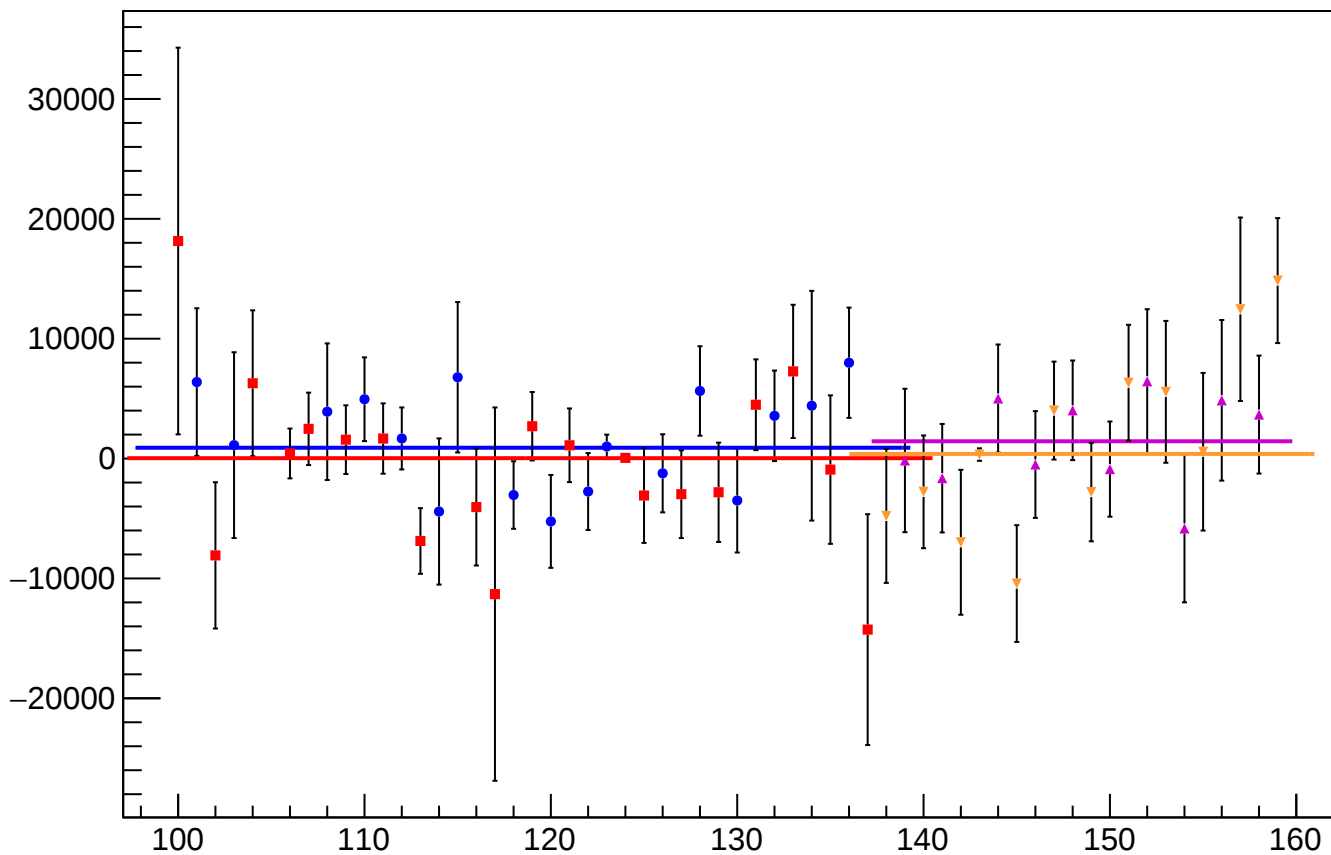
Right Out: 1719.963+/-0.464 χ^2/NDF : 396217.5/19

Left In: 1847.233+/-0.458 χ^2/NDF : 33597.8/9

1787.364+/-0.325 χ^2/NDF : 695129.0/28

1784.368+/-0.326 χ^2/NDF : 467905.0/29

asym_atl_dd_correction_mean vs Slug



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

Left Out: 388.981+/-495.224 χ^2/NDF : 21.6/11

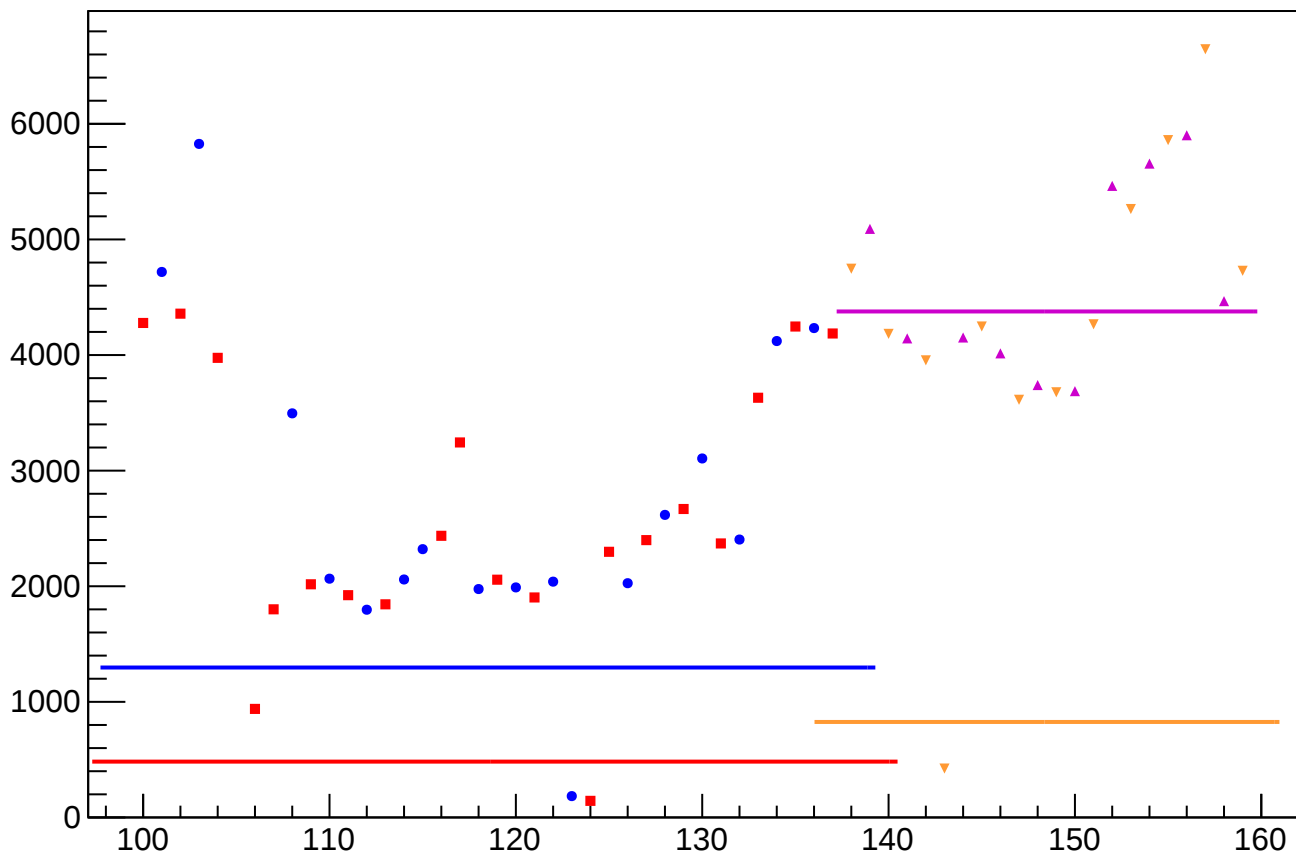
Right Out: 32.177+/-357.083 χ^2/NDF : 21.0/19

Left In: 1442.144+/-1551.841 χ^2/NDF : 4.6/9

558.744+/-405.344 χ^2/NDF : 37.9/28

103.077+/-347.989 χ^2/NDF : 26.5/29

asym_atl_dd_correction_rms vs Slug



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

Left Out: 826.085+/-0.350 χ^2/NDF :12196526.5/11

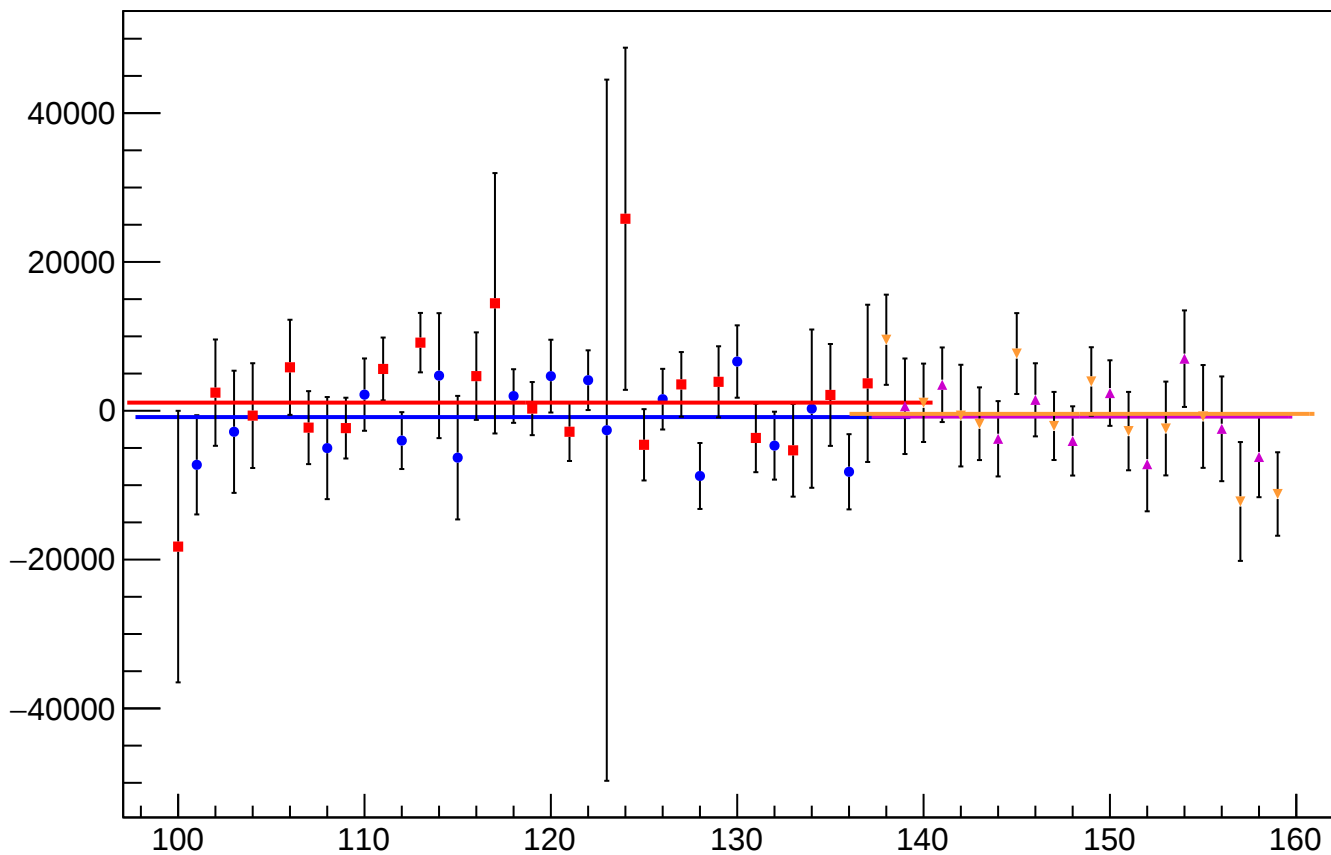
981.510+/-0.287 χ^2/NDF : 19303026.7/28

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

678.835+/-0.246 χ^2/NDF : 22581185.6/29

Left In: 4376.969+/-1.097 χ^2/NDF :414776.2/9

asym_atl_dd_mean vs Slug



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

Left Out: -416.867+/-1611.424 χ^2/NDF : 12.3/11

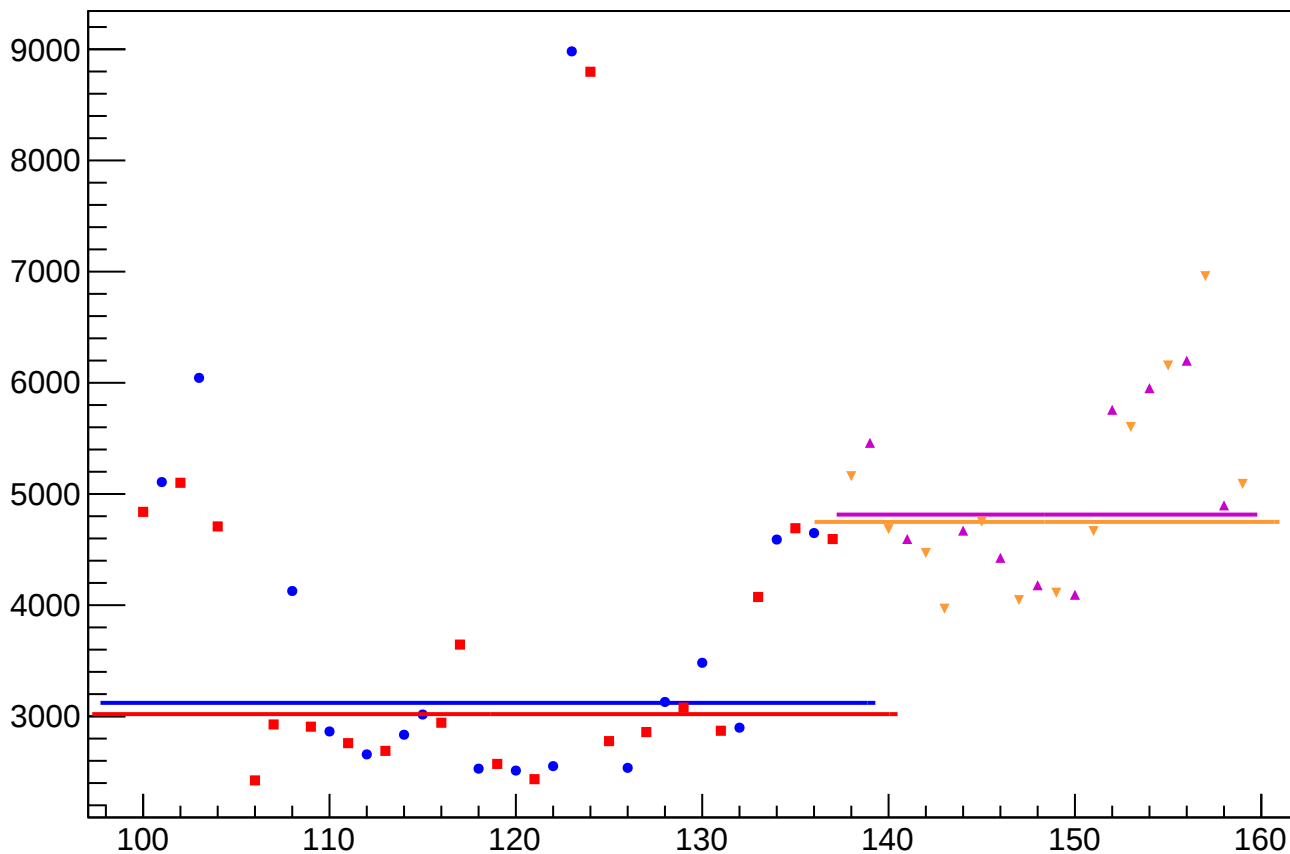
Right Out: 1095.033+/-1187.966 χ^2/NDF : 15.6/19

Left In: -783.024+/-1701.802 χ^2/NDF : 5.9/9

-685.106+/-993.091 χ^2/NDF : 27.7/28

479.711+/-974.105 χ^2/NDF : 22.3/29

asym_atl_dd_rms vs Slug



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

Left Out: 4748.756+/-1.139 χ^2/NDF : 430218.0/11

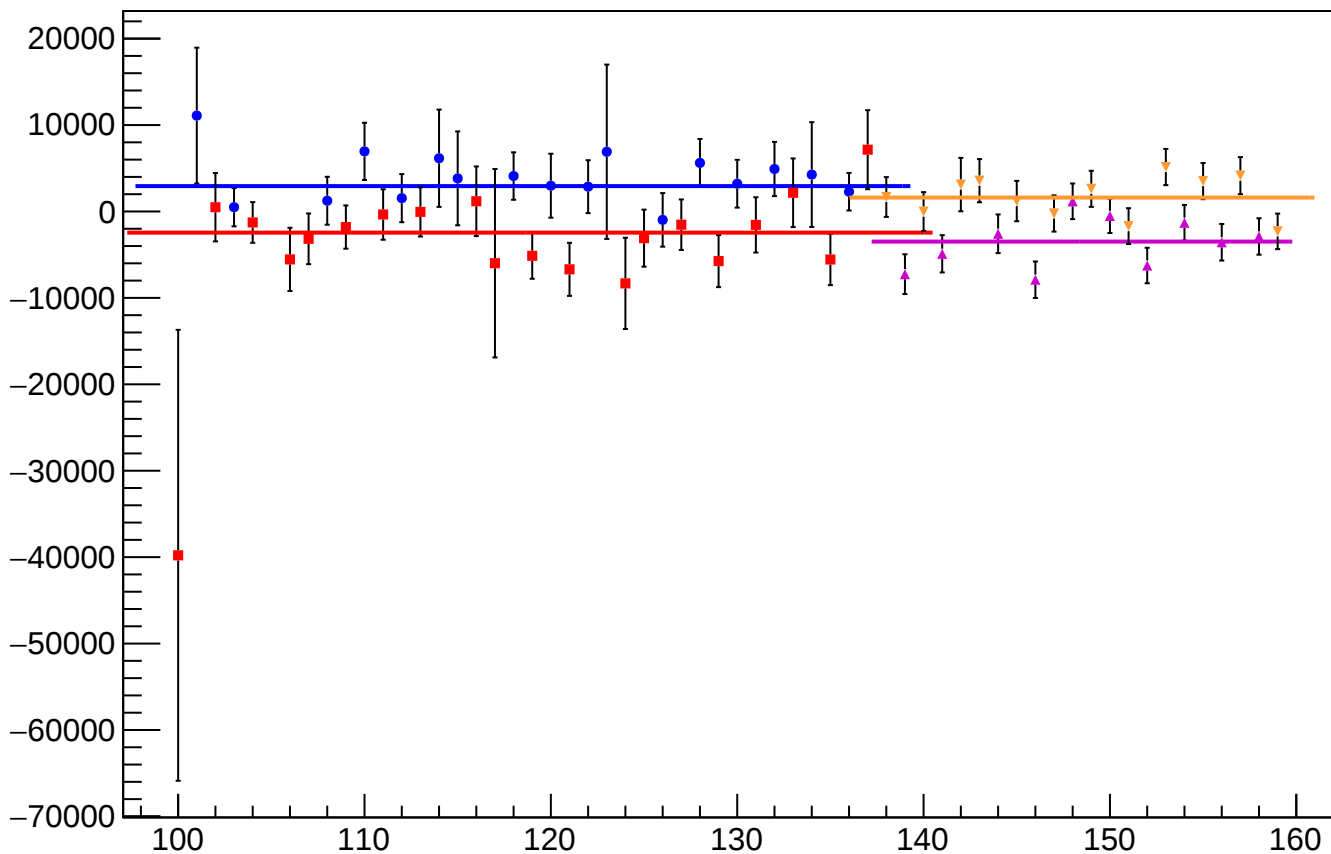
Right Out: 3020.039+/-0.830 χ^2/NDF : 794563.8/19

Left In: 4814.762+/-1.203 χ^2/NDF : 312643.4/9

3739.481+/-0.702 χ^2/NDF : 2640948.0/28

3598.243+/-0.683 χ^2/NDF : 2614953.3/29

reg_asym_atr_avg_mean vs Slug



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

Left Out: 1609.832 $\pm$ 641.169 χ^2 /NDF:13.6/11

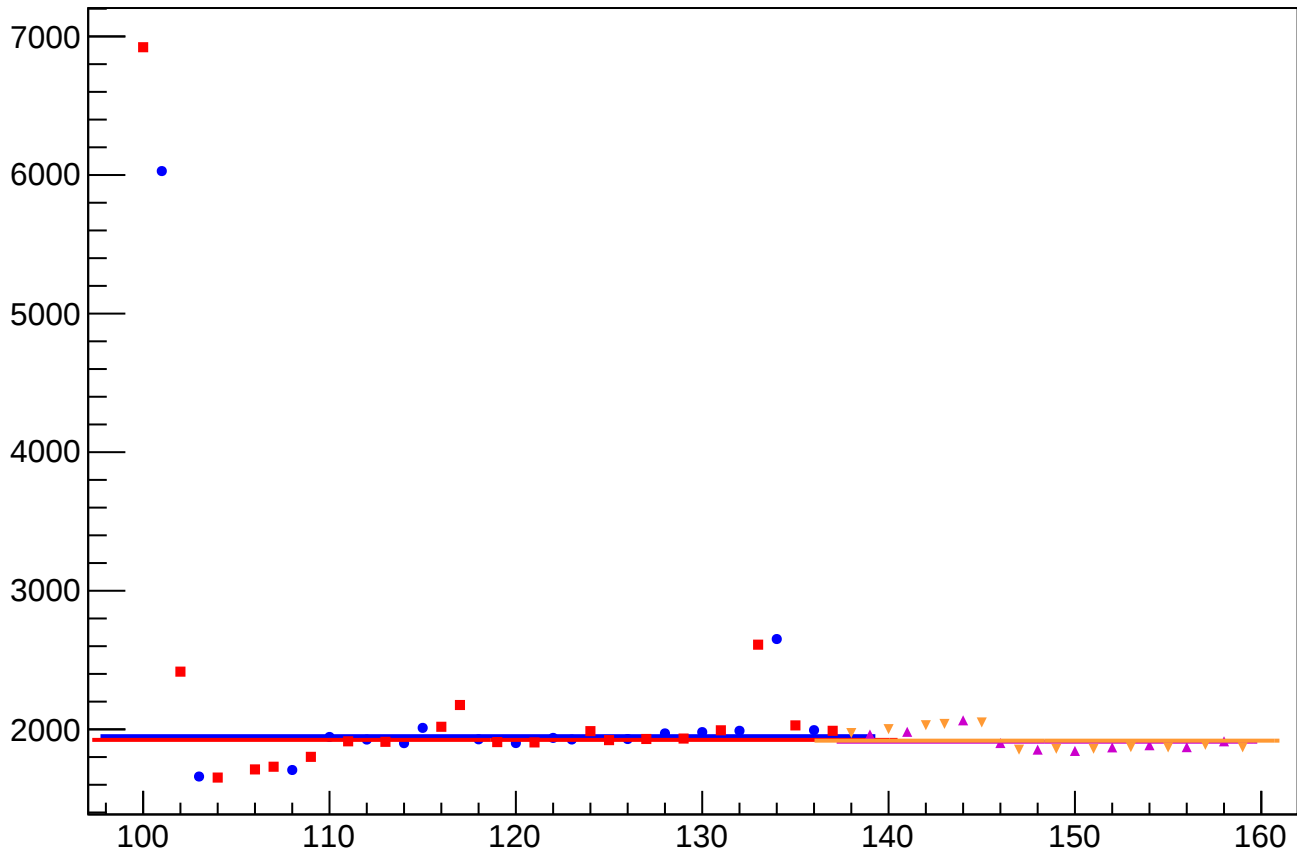
Right Out: -2449.072 $\pm$ 738.715 χ^2 /NDF: 18.3/19

Left In: -3484.372 $\pm$ 668.381 χ^2 /NDF:18.0/9

2148.328 $\pm$ 494.113 χ^2 /NDF: 23.5/28

-3018.343 $\pm$ 495.622 χ^2 /NDF: 37.4/29

reg_asym_atr_avg_rms vs Slug



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

Left Out: 1918.344+/-0.453 χ^2/NDF : 26088.4/11

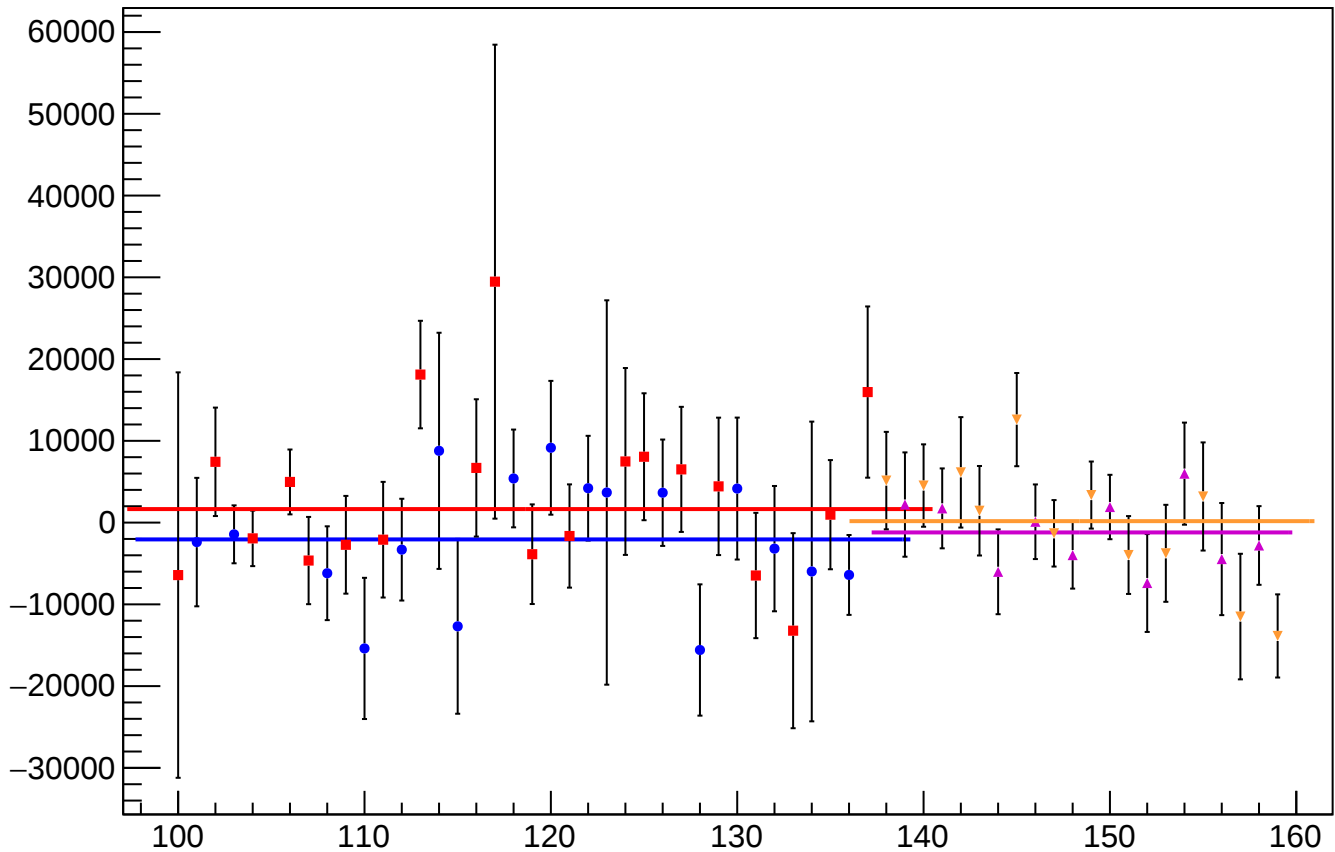
Right Out: 1923.907+/-0.521 χ^2/NDF : 218470.6/19

Left In: 1910.737+/-0.473 χ^2/NDF : 18352.4/9

1931.450+/-0.349 χ^2/NDF : 645478.1/28

1916.681+/-0.350 χ^2/NDF : 237173.5/29

asym_atr_avg_correction_mean vs Slug



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

Left Out: 177.015 ± 1534.657 χ^2/NDF : 19.1/11

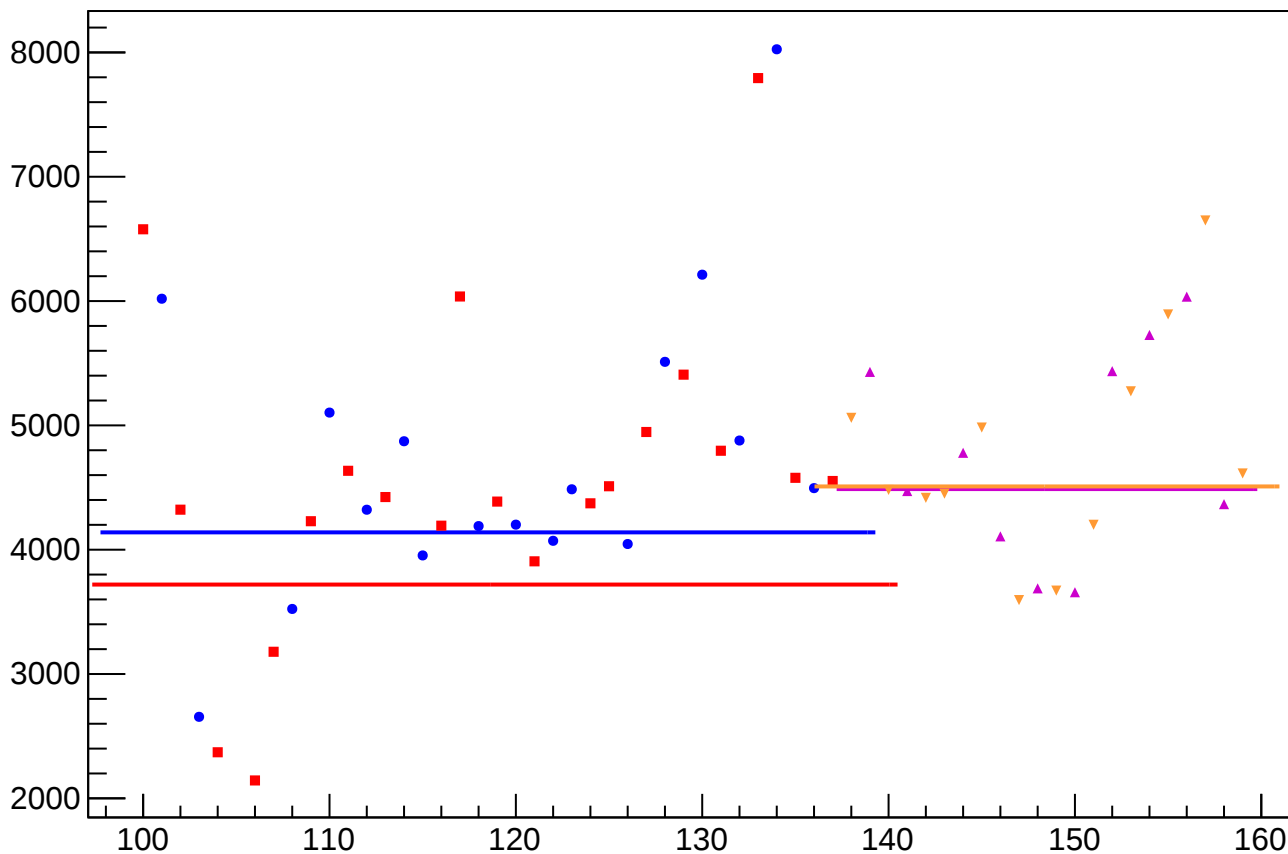
Right Out: 1652.978 ± 1475.490 χ^2/NDF : 19.5/19

Left In: -1203.414 ± 1593.913 χ^2/NDF : 5.4/9

-851.697 ± 1127.213 χ^2/NDF : 34.0/28

334.823 ± 1082.777 χ^2/NDF : 26.7/29

asym_atr_avg_correction_rms vs Slug



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

Left Out: 4508.848+/-1.085 χ^2/NDF : 501631.6/11

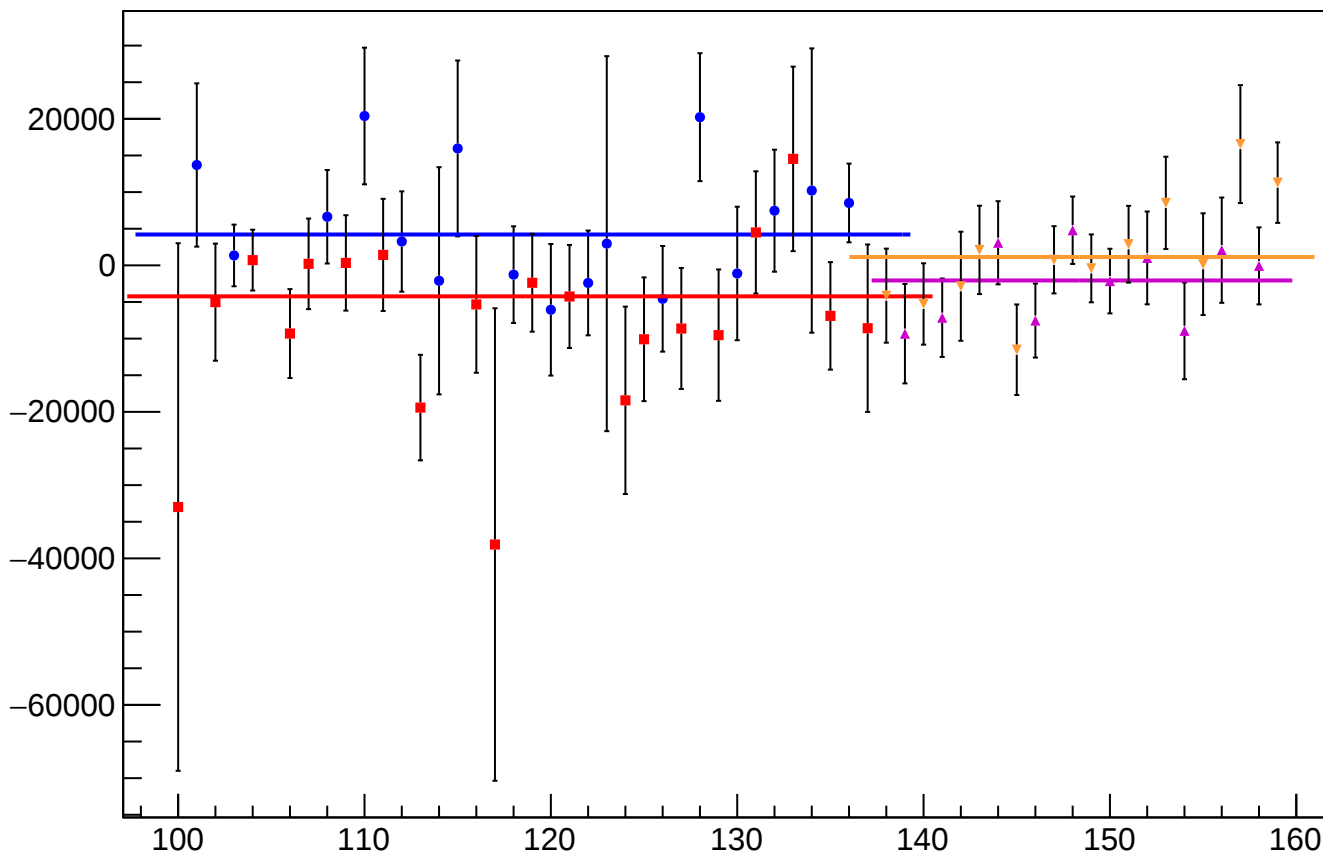
Right Out: 3719.546+/-1.043 χ^2/NDF : 1288644.4/19

Left In: 4487.760+/-1.127 χ^2/NDF : 460921.9/9

4338.714+/-0.797 χ^2/NDF : 1368560.1/28

4074.058+/-0.766 χ^2/NDF : 1999757.2/29

asym_atr_avg_mean vs Slug



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

Left Out: 1141.663+/-1682.055 χ^2/NDF : 15.2/11

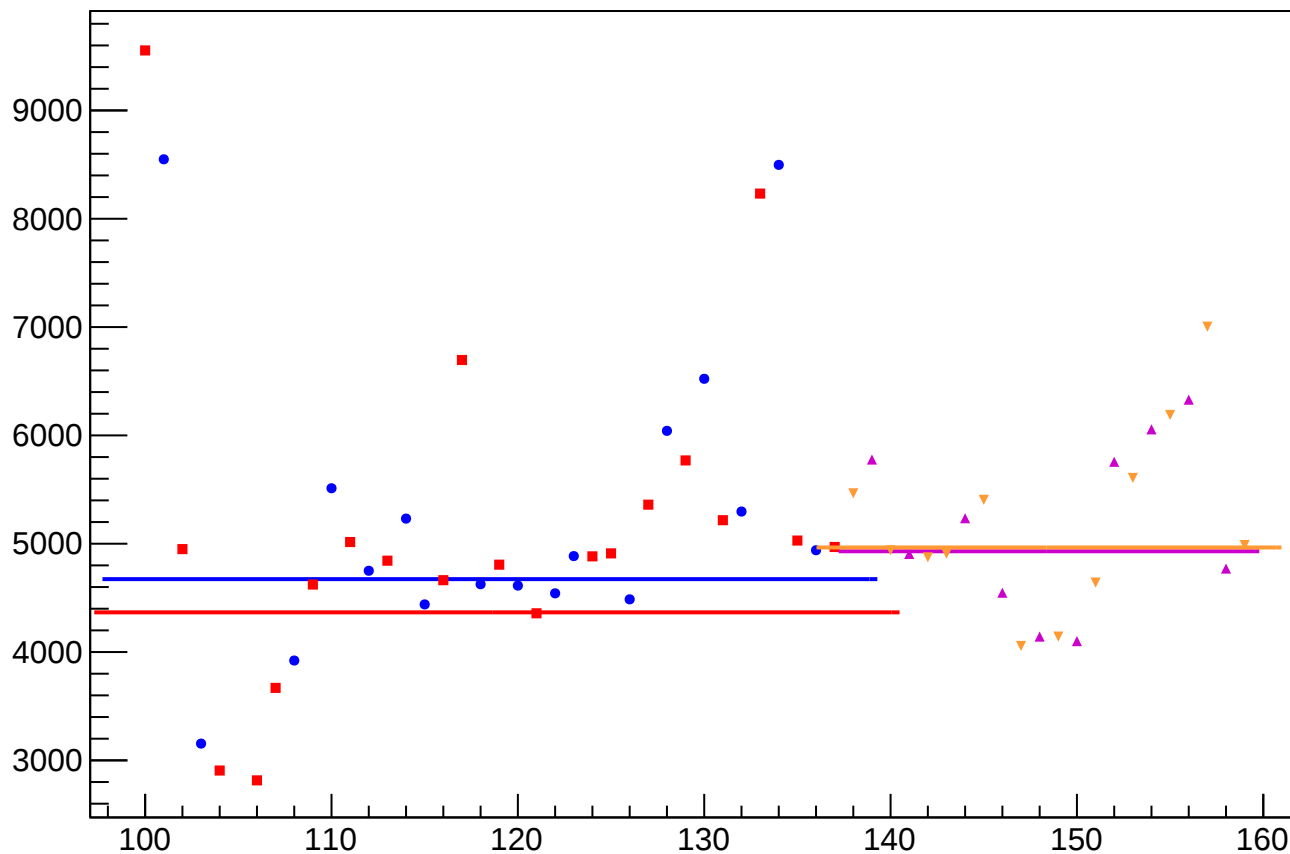
Right Out: -4230.596+/-1722.878 χ^2/NDF : 15.9/19

Left In: -2061.772+/-1744.041 χ^2/NDF : 8.1/9

2513.700+/-1250.965 χ^2/NDF : 31.1/28

-3159.422+/-1225.672 χ^2/NDF : 24.7/29

asym_atr_avg_rms vs Slug



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

Left Out: 4965.223+/-1.189 χ^2/NDF : 383044.6/11

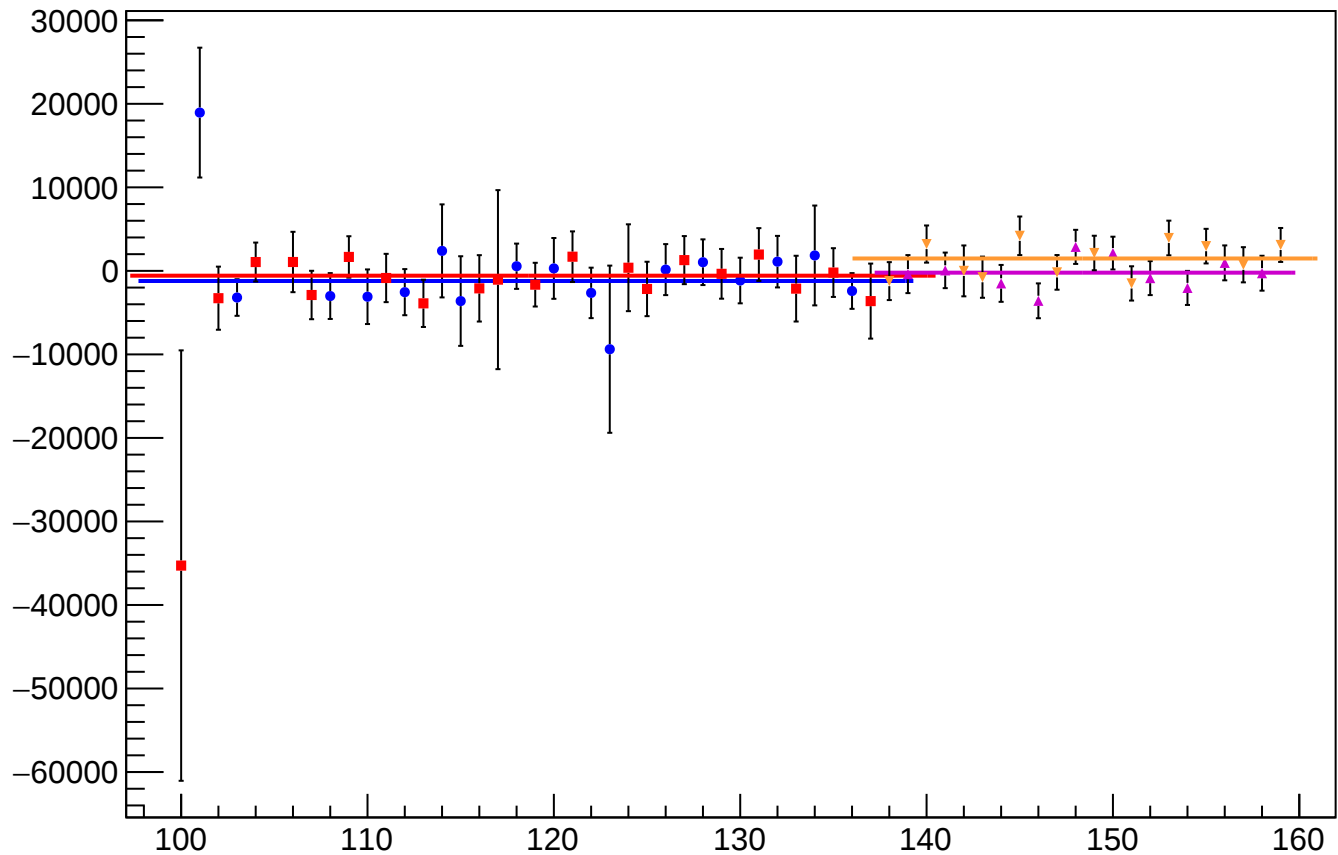
Right Out: 4366.422+/-1.211 χ^2/NDF : 842654.3/19

Left In: 4930.330+/-1.233 χ^2/NDF : 347468.7/9

4834.652+/-0.885 χ^2/NDF : 1187333.6/28

4643.306+/-0.864 χ^2/NDF : 1296547.7/29

reg_asym_atr_dd_mean vs Slug



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

Left Out: 1483.253+/-633.474 χ^2/NDF : 10.0/11

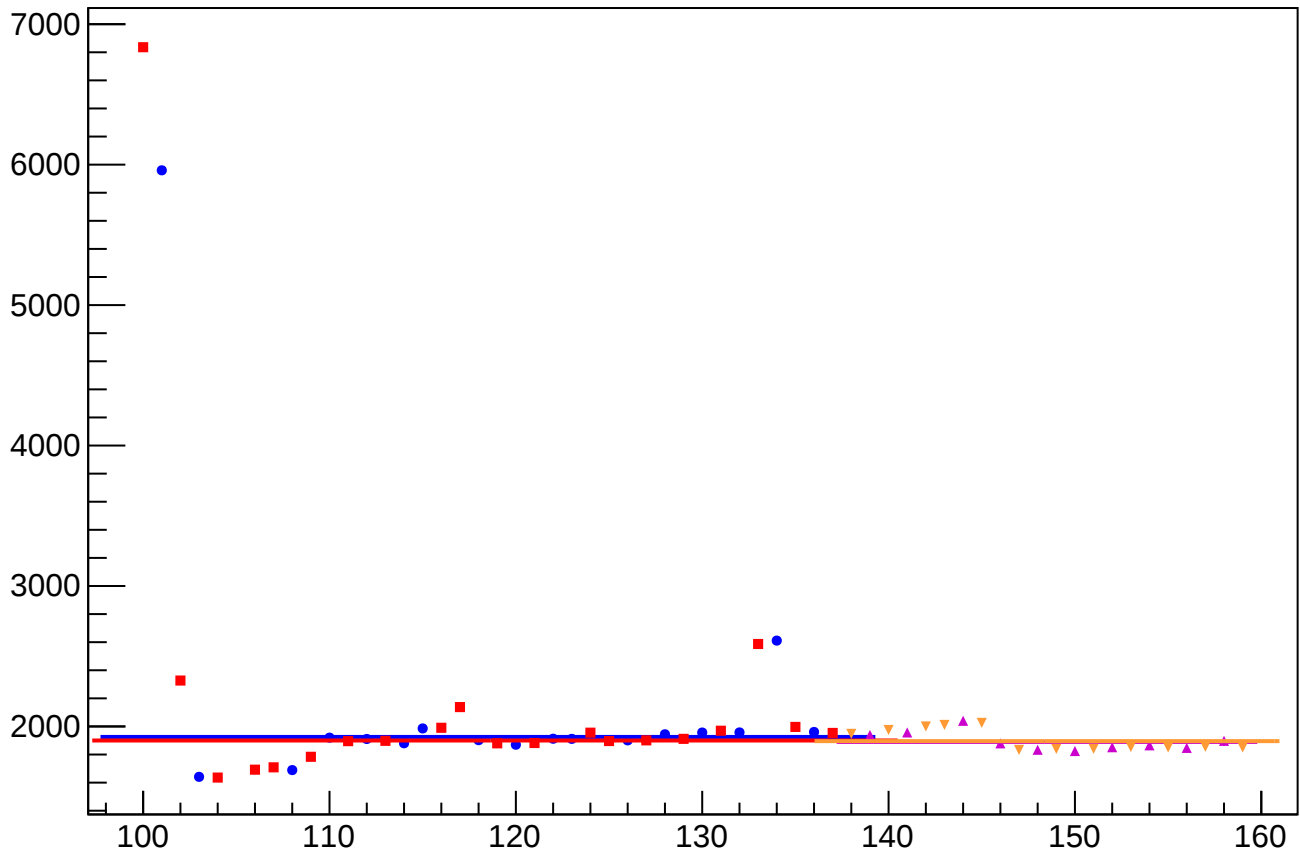
Right Out: -575.663+/-728.976 χ^2/NDF : 8.7/19

Left In: -216.017+/-661.010 χ^2/NDF : 7.9/9

387.727+/-487.985 χ^2/NDF : 30.0/28

-378.296+/-489.674 χ^2/NDF : 16.7/29

reg_asym_atr_dd_rms vs Slug



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

Left Out: 1895.428+/-0.448 χ^2/NDF : 24798.9/11

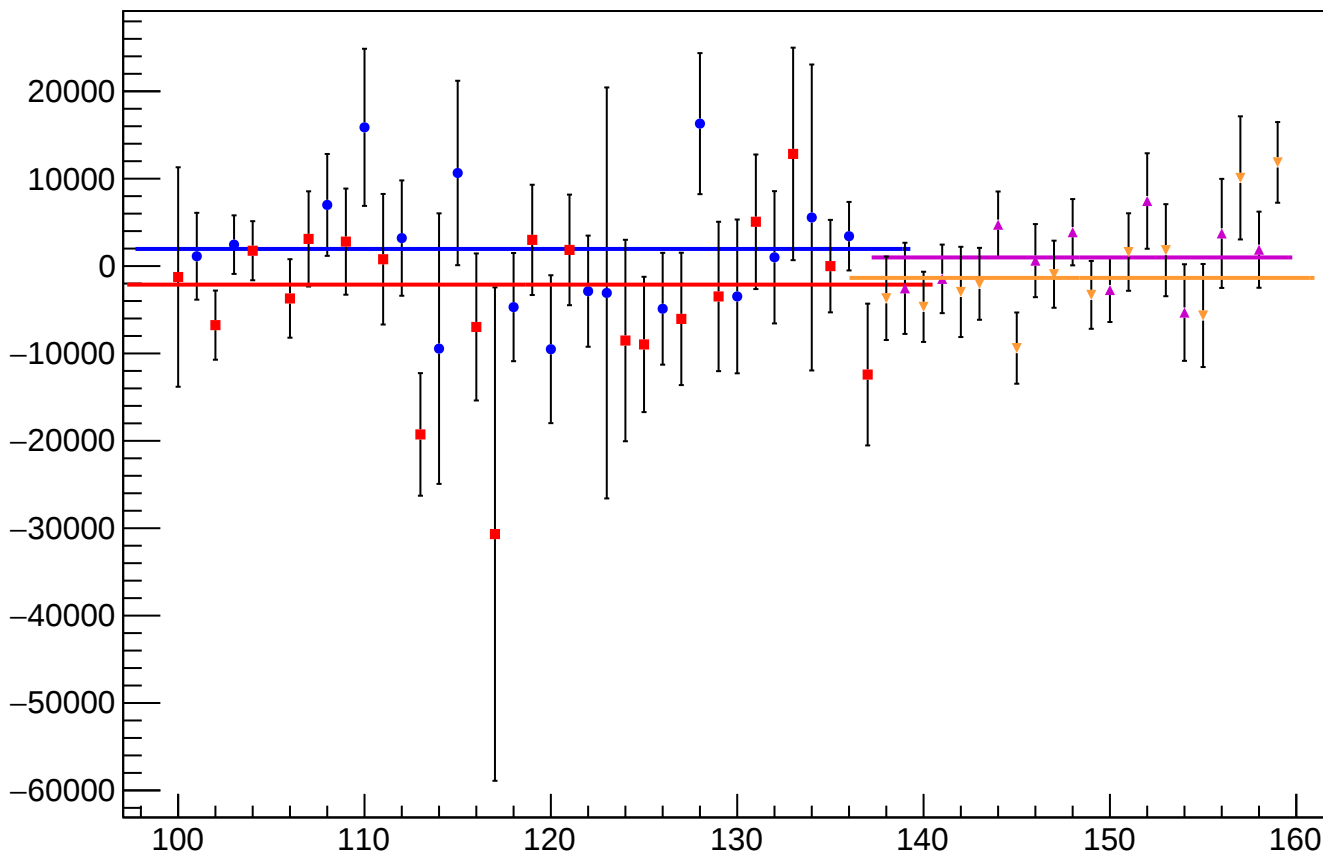
Right Out: 1899.955+/-0.514 χ^2/NDF : 211865.1/19

Left In: 1889.707+/-0.467 χ^2/NDF : 17812.1/9

1907.582+/-0.345 χ^2/NDF : 642473.3/28

1894.342+/-0.346 χ^2/NDF : 229894.6/29

asym_atr_dd_correction_mean vs Slug



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

Left Out: -1354.414 ± 1313.660 χ^2/NDF : 17.4/11

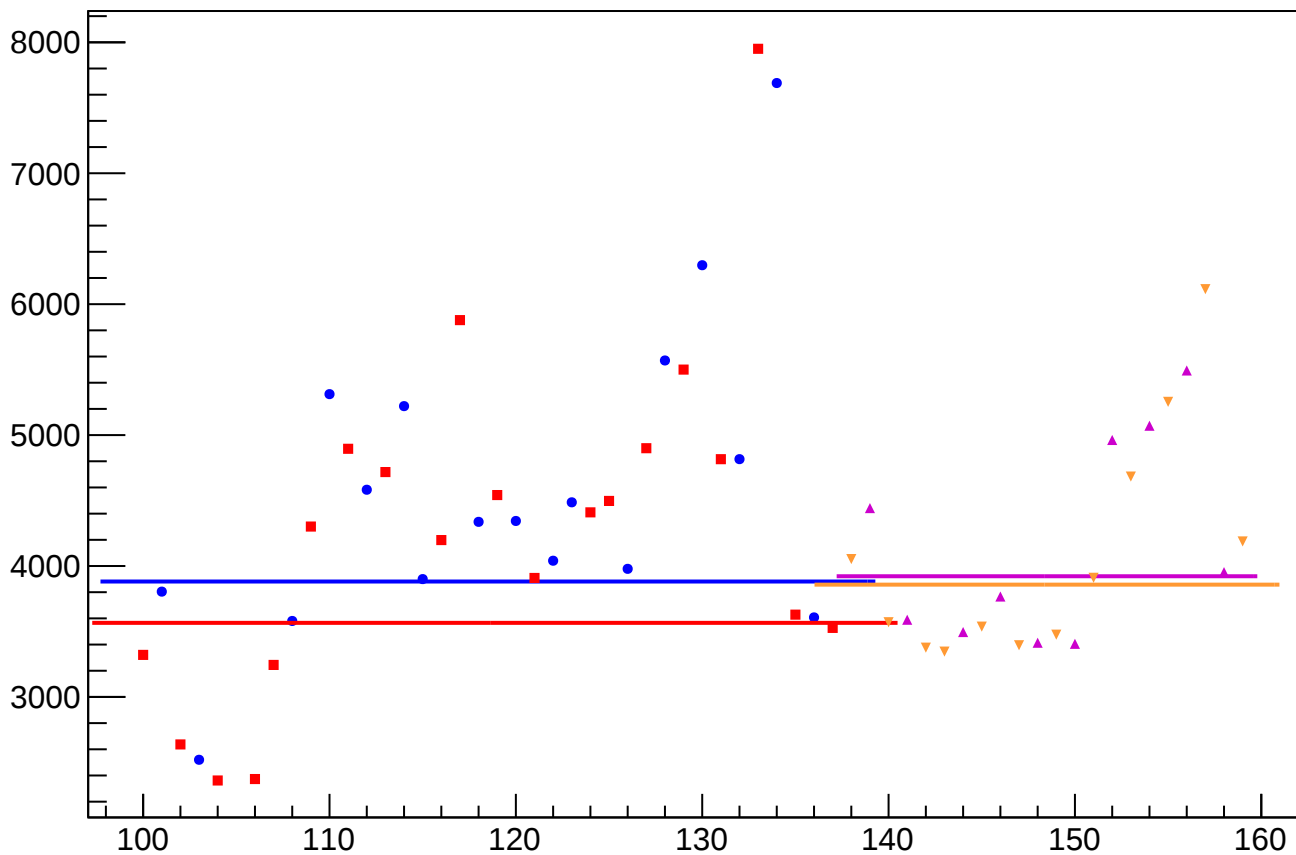
Right Out: -2124.415 ± 1411.872 χ^2/NDF : 18.5/19

Left In: 986.580 ± 1391.268 χ^2/NDF : 6.4/9

23.615 ± 1003.995 χ^2/NDF : 33.0/28

-546.051 ± 990.979 χ^2/NDF : 27.3/29

asym_atr_dd_correction_rms vs Slug



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

Left Out: 3857.685+/-0.929 χ^2/NDF : 499705.8/11

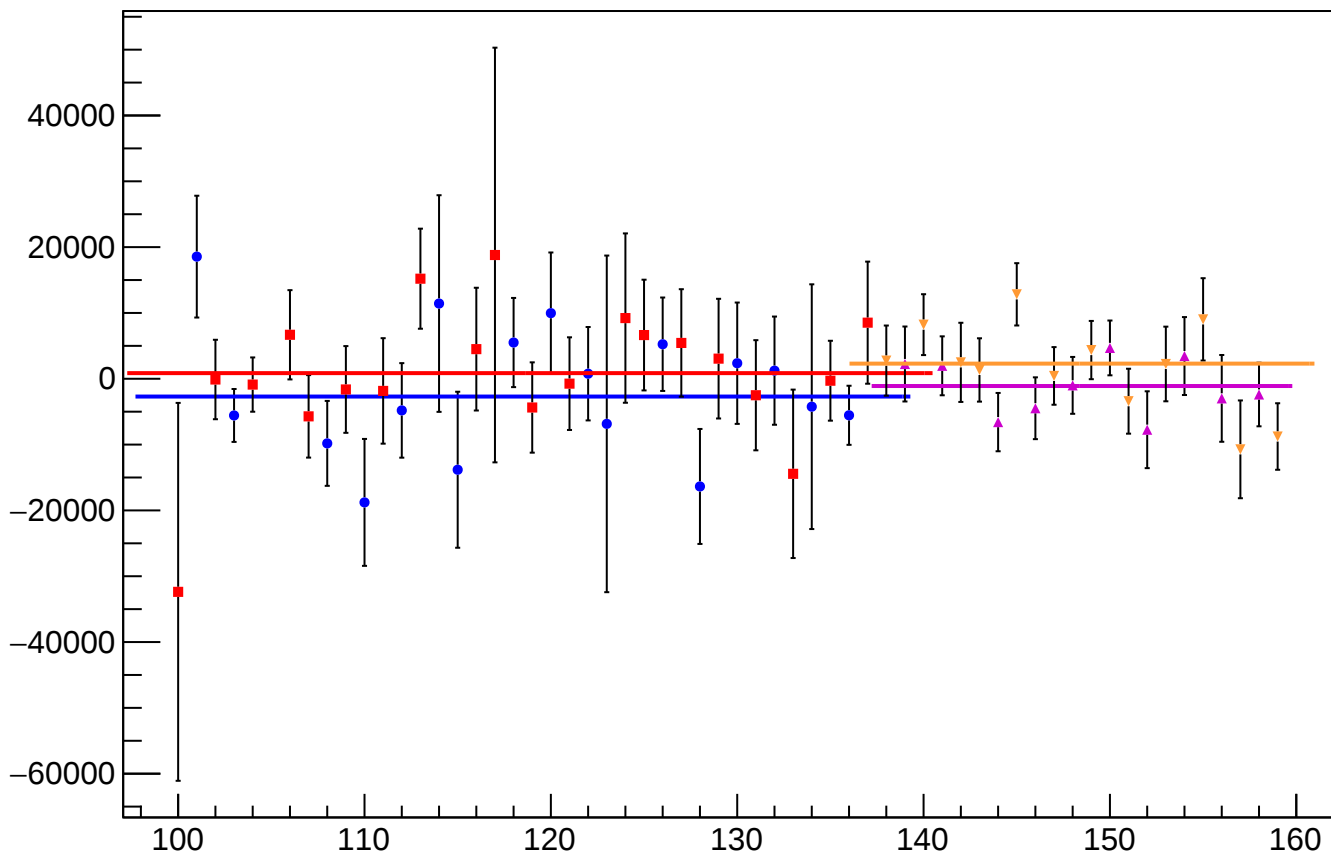
Right Out: 3565.851+/-0.998 χ^2/NDF : 1254973.6/19

Left In: 3921.810+/-0.984 χ^2/NDF : 423665.8/9

3867.622+/-0.710 χ^2/NDF : 1317447.6/28

3746.447+/-0.701 χ^2/NDF : 1743137.6/29

asym_atr_dd_mean vs Slug



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

Left Out: 2301.604+/-1481.335 χ^2 /NDF:17.4/11

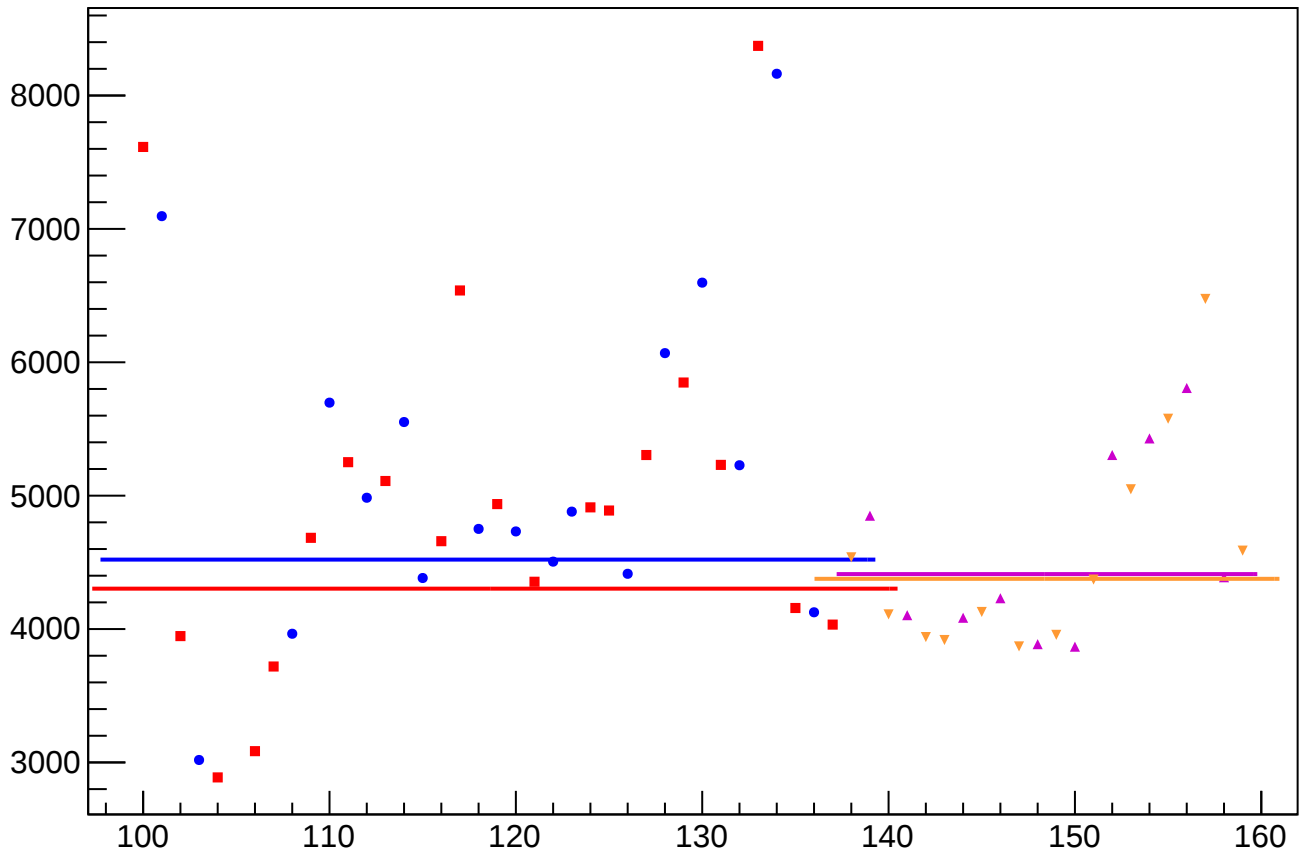
Right Out: 857.617+/-1687.925 χ^2 /NDF: 11.9/19

Left In: -1101.301+/-1557.897 χ^2 /NDF:6.8/9

293.783+/-1146.118 χ^2 /NDF: 41.7/28

-200.191+/-1144.812 χ^2 /NDF: 19.4/29

asym_atr_dd_rms vs Slug



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

Left Out: 4376.590+/-1.047 χ^2/NDF : 352328.7/11

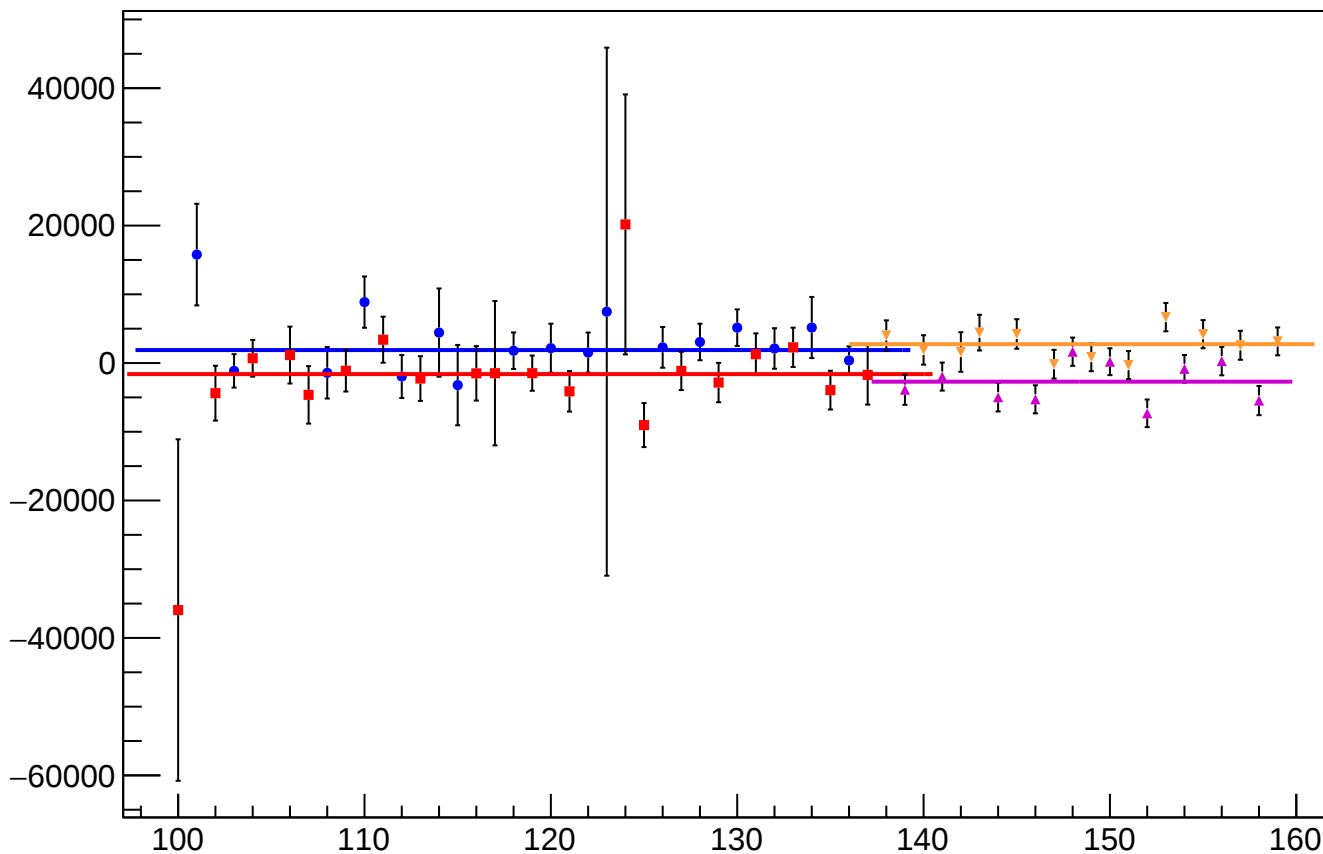
4434.427+/-0.810 χ^2/NDF : 1130811.8/28

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

4361.568+/-0.807 χ^2/NDF : 1080849.0/29

Left In: 4412.109+/-1.102 χ^2/NDF : 294414.2/9

reg_asym_at1_avg_mean vs Slug



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

Left Out: 2747.462 $\pm$ 624.880 χ^2 /NDF:10.7/11

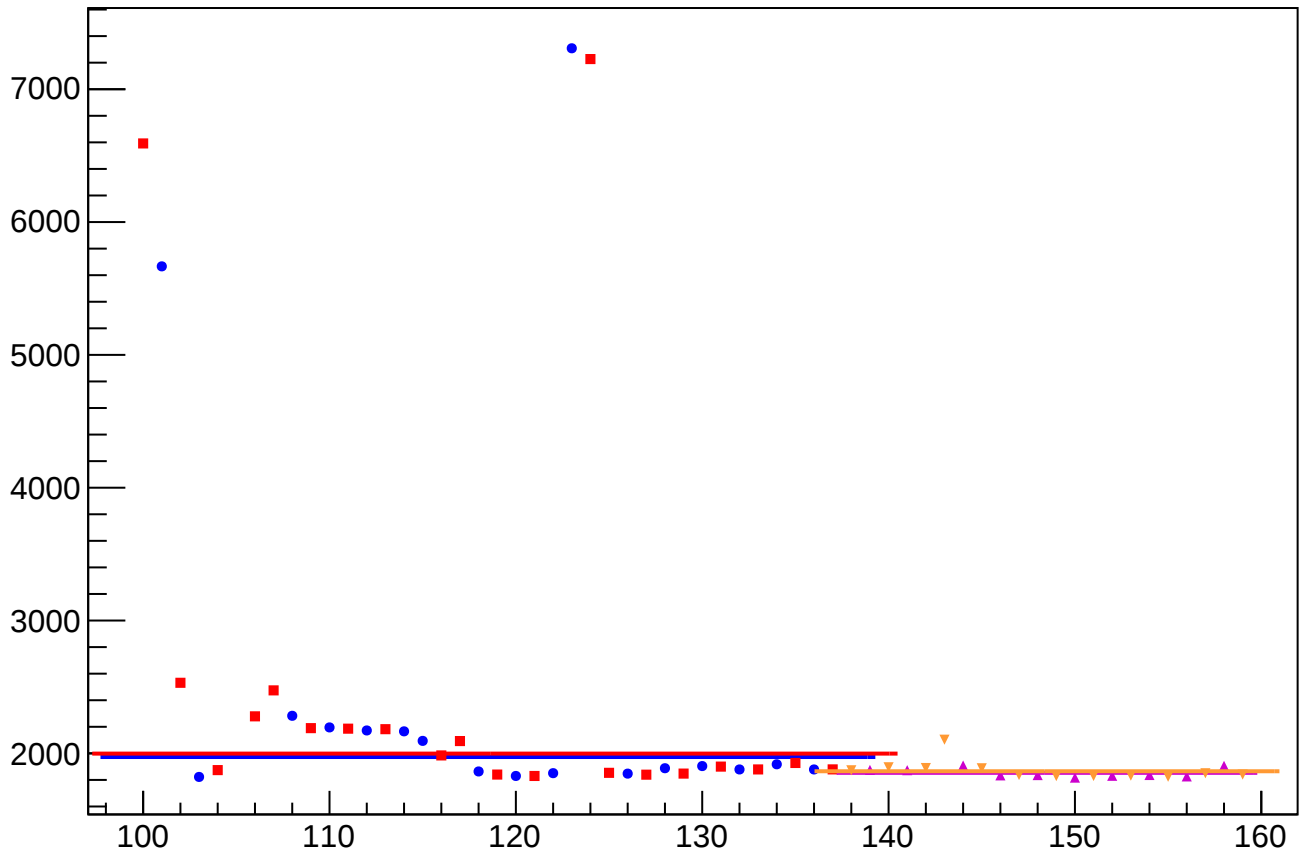
Right Out: -1609.604 $\pm$ 763.815 χ^2 /NDF: 17.5/19

Left In: -2710.968 $\pm$ 649.973 χ^2 /NDF:19.8/9

2413.454 $\pm$ 488.612 χ^2 /NDF: 26.1/28

-2248.399 $\pm$ 495.006 χ^2 /NDF: 38.5/29

reg_asym_at1_avg_rms vs Slug



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

Left Out: 1865.246+/-0.442 χ^2/NDF : 20847.2/11

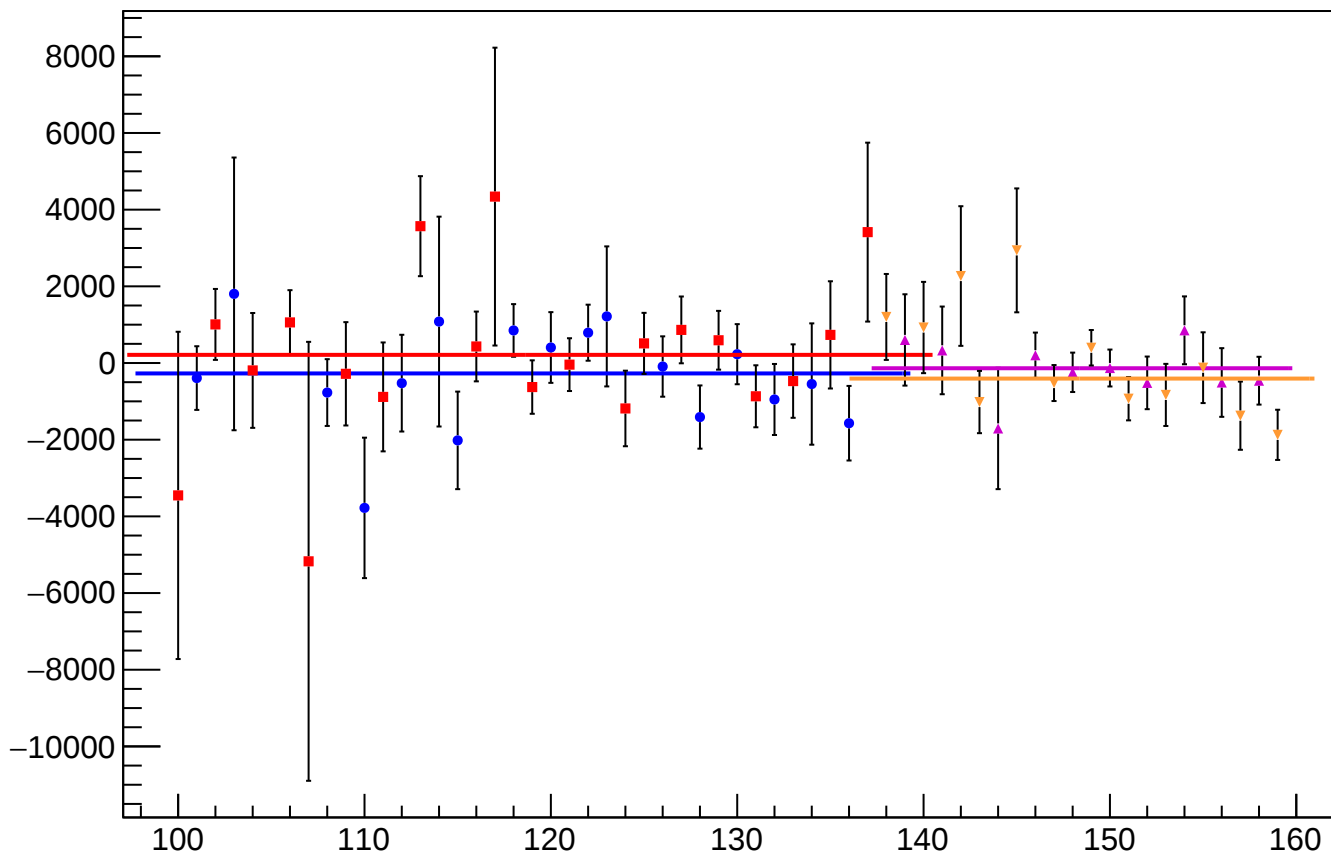
1906.917+/-0.346 χ^2/NDF : 644605.5/28

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

1914.196+/-0.350 χ^2/NDF : 402140.8/29

Left In: 1853.403+/-0.460 χ^2/NDF : 4747.3/9

asym_at1_avg_correction_mean vs Slug



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

Left Out: -405.864+/-211.583 χ^2/NDF : 20.8/11

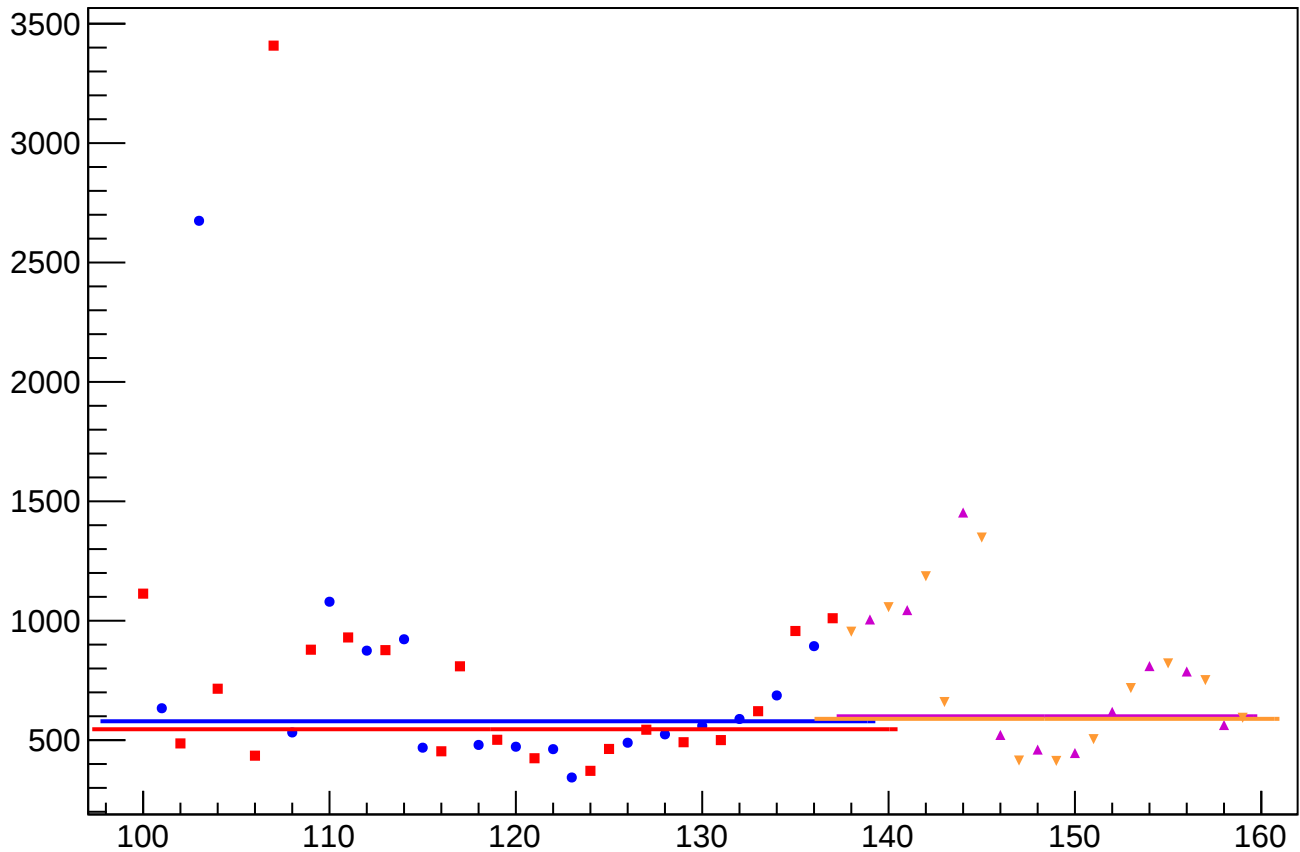
Right Out: 212.774+/-228.638 χ^2/NDF : 20.9/19

Left In: -136.506+/-223.315 χ^2/NDF : 3.9/9

-347.282+/-158.774 χ^2/NDF : 38.2/28

34.020+/-159.756 χ^2/NDF : 26.0/29

asym_at1_avg_correction_rms vs Slug



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

Left Out: 589.156 $\pm$ 0.150 χ^2 /NDF:2047800.4/11

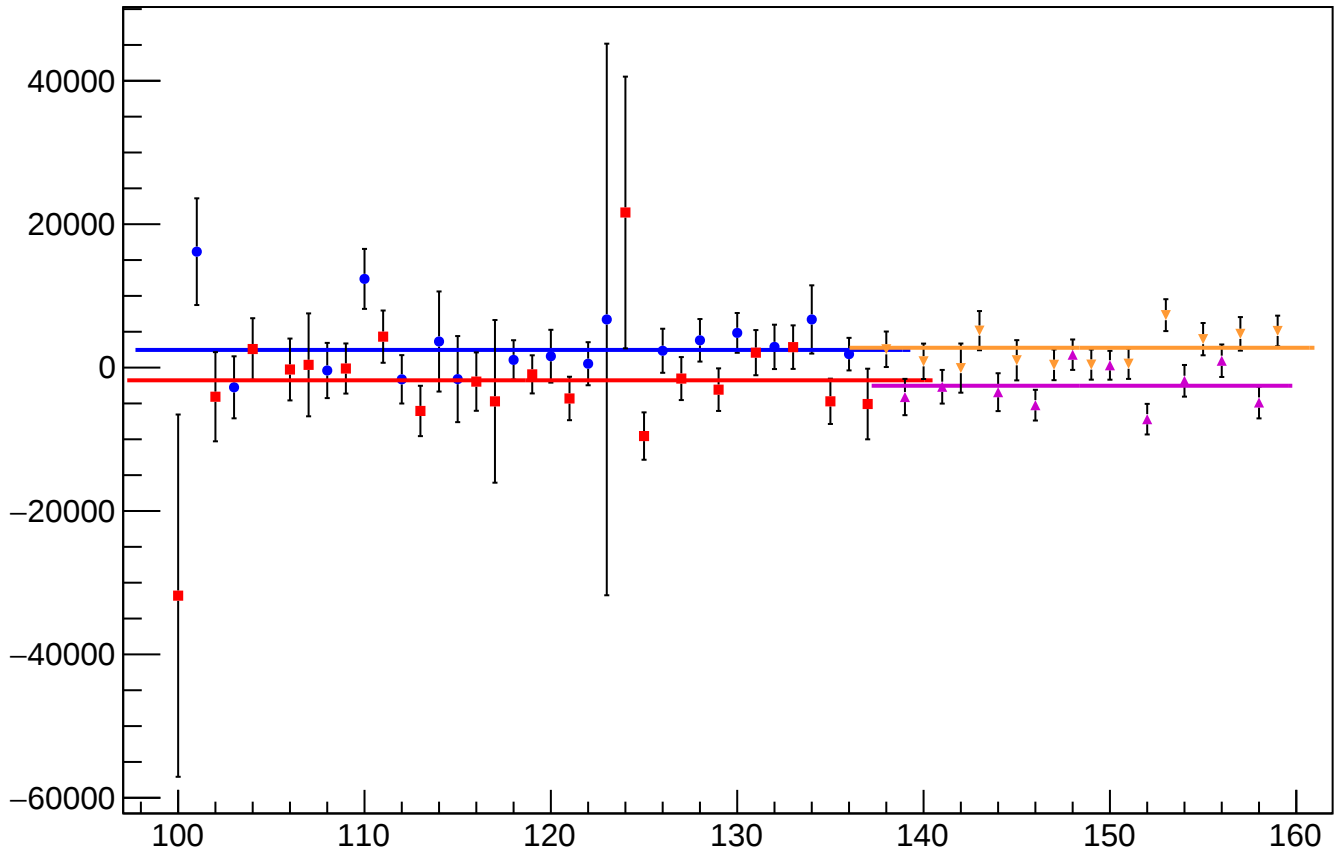
Right Out: 545.590 $\pm$ 0.162 χ^2 /NDF: 1467038.8/19

Left In: 599.822 $\pm$ 0.158 χ^2 /NDF:1710481.9/9

584.723 $\pm$ 0.112 χ^2 /NDF: 3471957.9/28

573.345 $\pm$ 0.113 χ^2 /NDF: 3235108.8/29

asym_at1_avg_mean vs Slug



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

Left Out: 2764.420+/-683.471 χ^2/NDF : 12.4/11

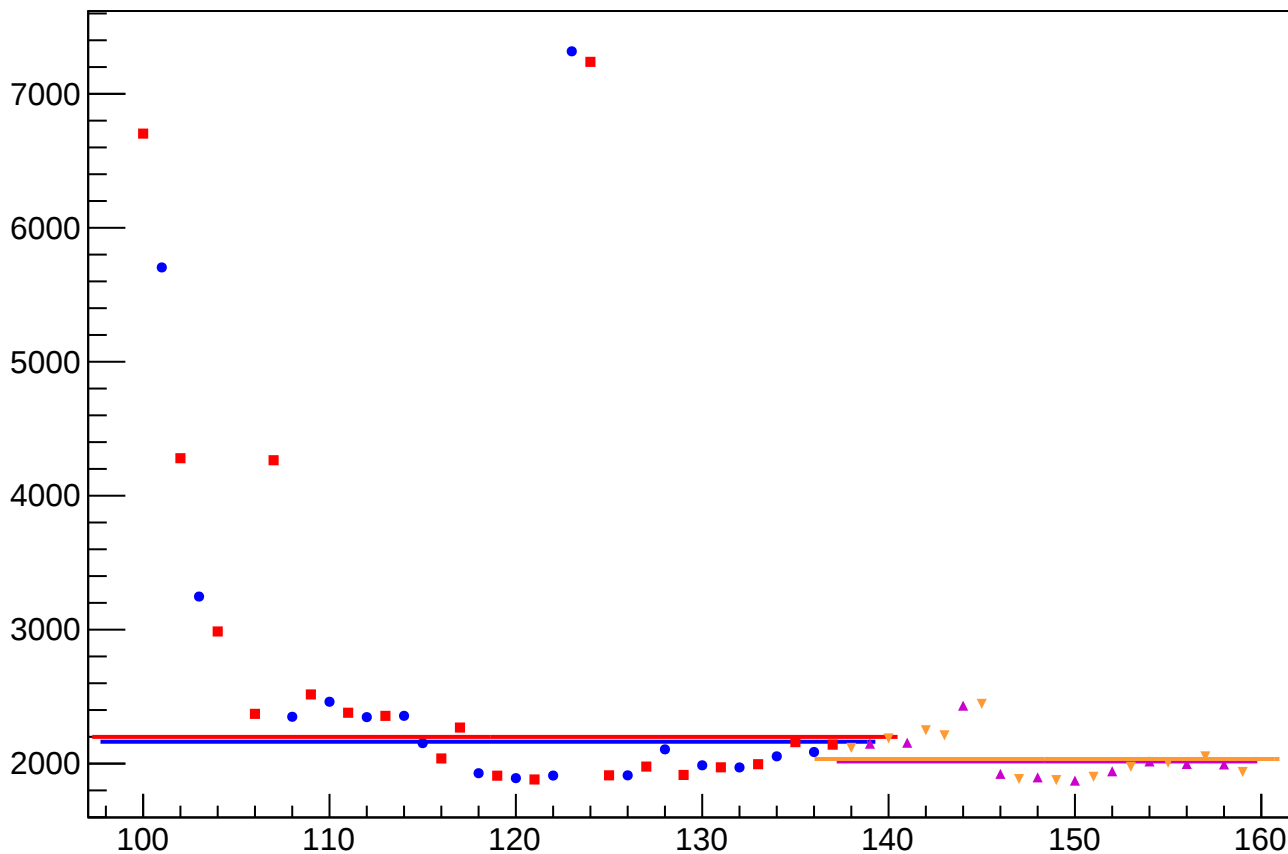
Right Out: -1773.396+/-850.889 χ^2/NDF : 20.5/19

Left In: -2532.331+/-708.755 χ^2/NDF : 16.6/9

2648.684+/-535.840 χ^2/NDF : 28.0/28

-2221.457+/-544.581 χ^2/NDF : 37.7/29

asym_at1_avg_rms vs Slug



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

Left Out: 2034.491+/-0.483 χ^2/NDF : 103990.4/11

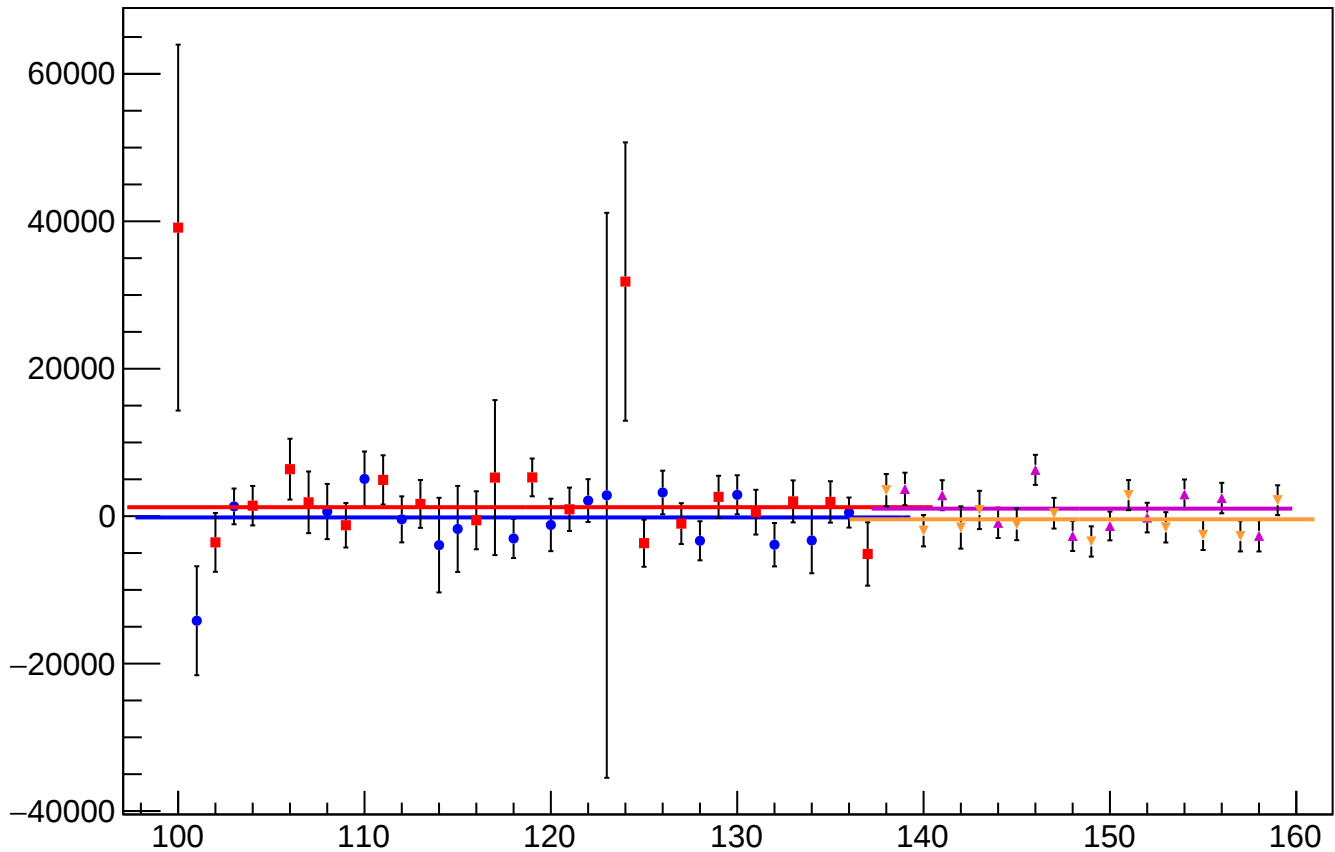
Right Out: 2199.398+/-0.602 χ^2/NDF : 803373.4/19

Left In: 2016.024+/-0.501 χ^2/NDF : 85198.4/9

2084.128+/-0.379 χ^2/NDF : 840949.5/28

2091.138+/-0.385 χ^2/NDF : 943411.1/29

reg_asym_at1_dd_mean vs Slug



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

Left Out: -423.271+/-623.523 χ^2/NDF :13.3/11

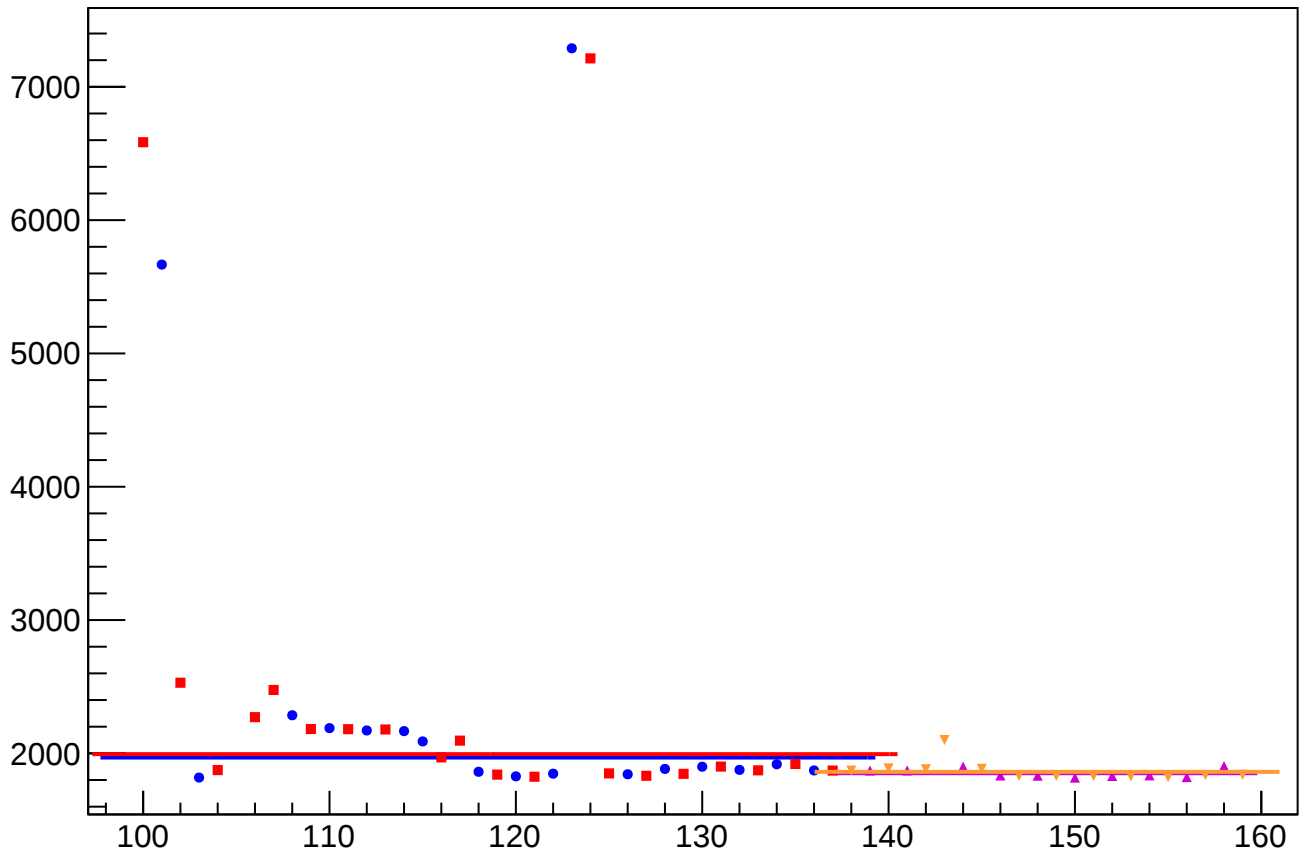
Right Out: 1218.753+/-762.243 χ^2/NDF : 18.3/19

Left In: 1021.341+/-649.101 χ^2/NDF :19.3/9

-325.030+/-487.614 χ^2/NDF : 27.9/28

1104.322+/-494.193 χ^2/NDF : 37.7/29

reg_asym_at1_dd_rms vs Slug



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

Left Out: 1861.232+/-0.441 χ^2/NDF : 20701.4/11

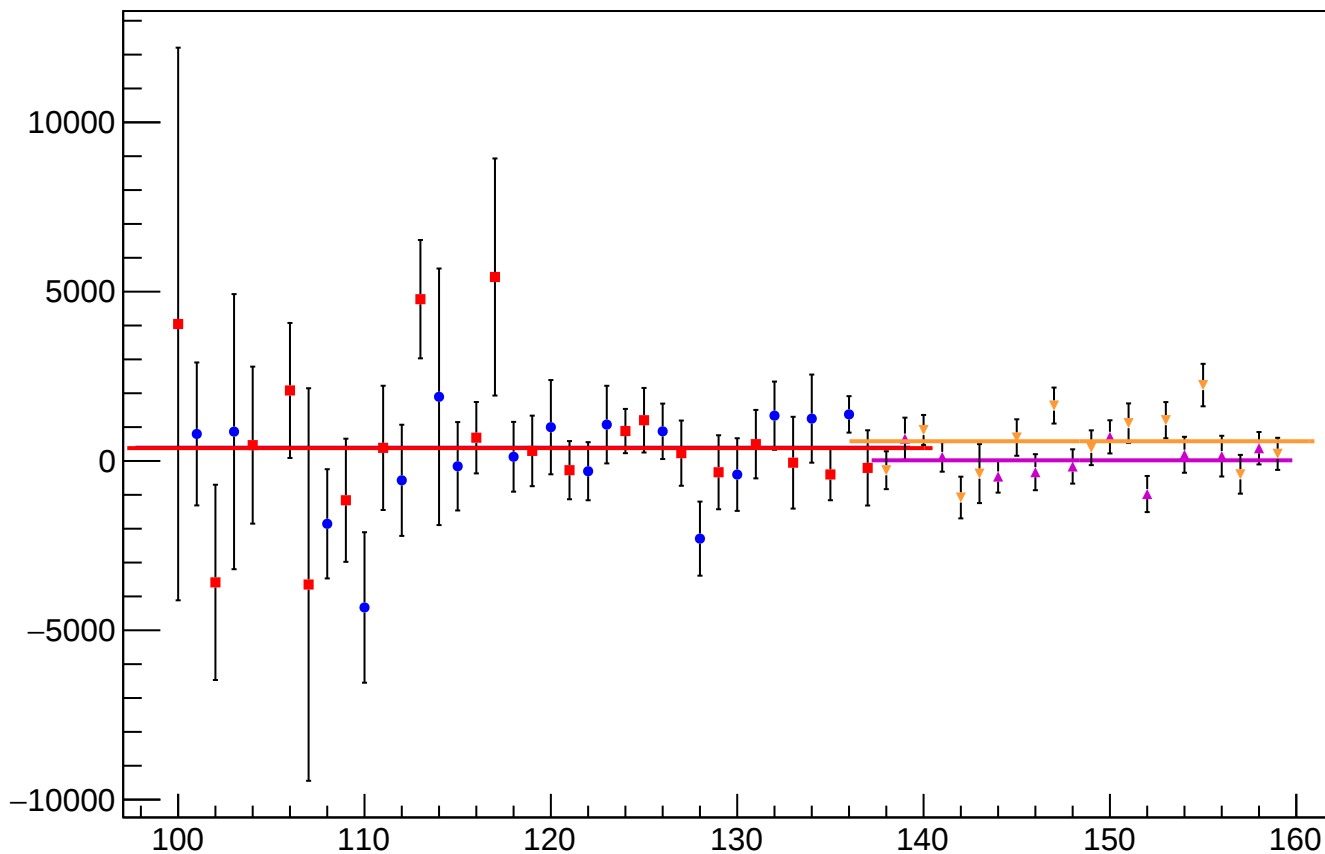
1902.949+/-0.345 χ^2/NDF : 646723.0/28

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

1911.054+/-0.349 χ^2/NDF : 401578.1/29

Left In: 1850.935+/-0.459 χ^2/NDF : 4403.4/9

asym_at1_dd_correction_mean vs Slug



Right In: 390.923 ± 270.128 $\chi^2/\text{NDF}: 20.0/16$

Left Out: 583.062 ± 159.151 $\chi^2/\text{NDF}: 28.2/11$

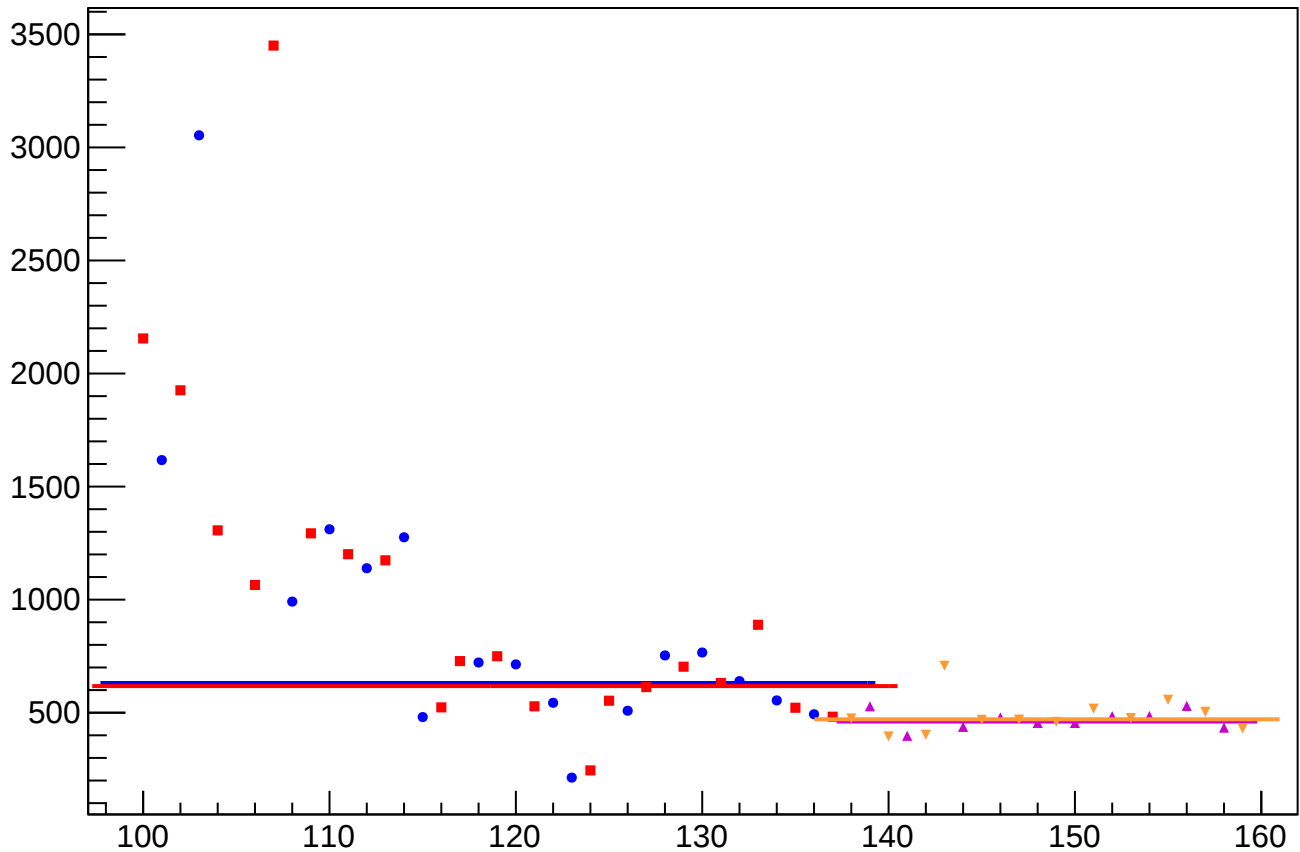
Right Out: 379.833 ± 265.331 $\chi^2/\text{NDF}: 16.3/19$

Left In: 19.337 ± 162.051 $\chi^2/\text{NDF}: 8.9/9$

533.553 ± 137.122 $\chi^2/\text{NDF}: 48.6/28$

117.275 ± 138.298 $\chi^2/\text{NDF}: 26.5/29$

asym_at1_dd_correction_rms vs Slug



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

Left Out: 470.843+/-0.113 χ^2/NDF : 303921.4/11

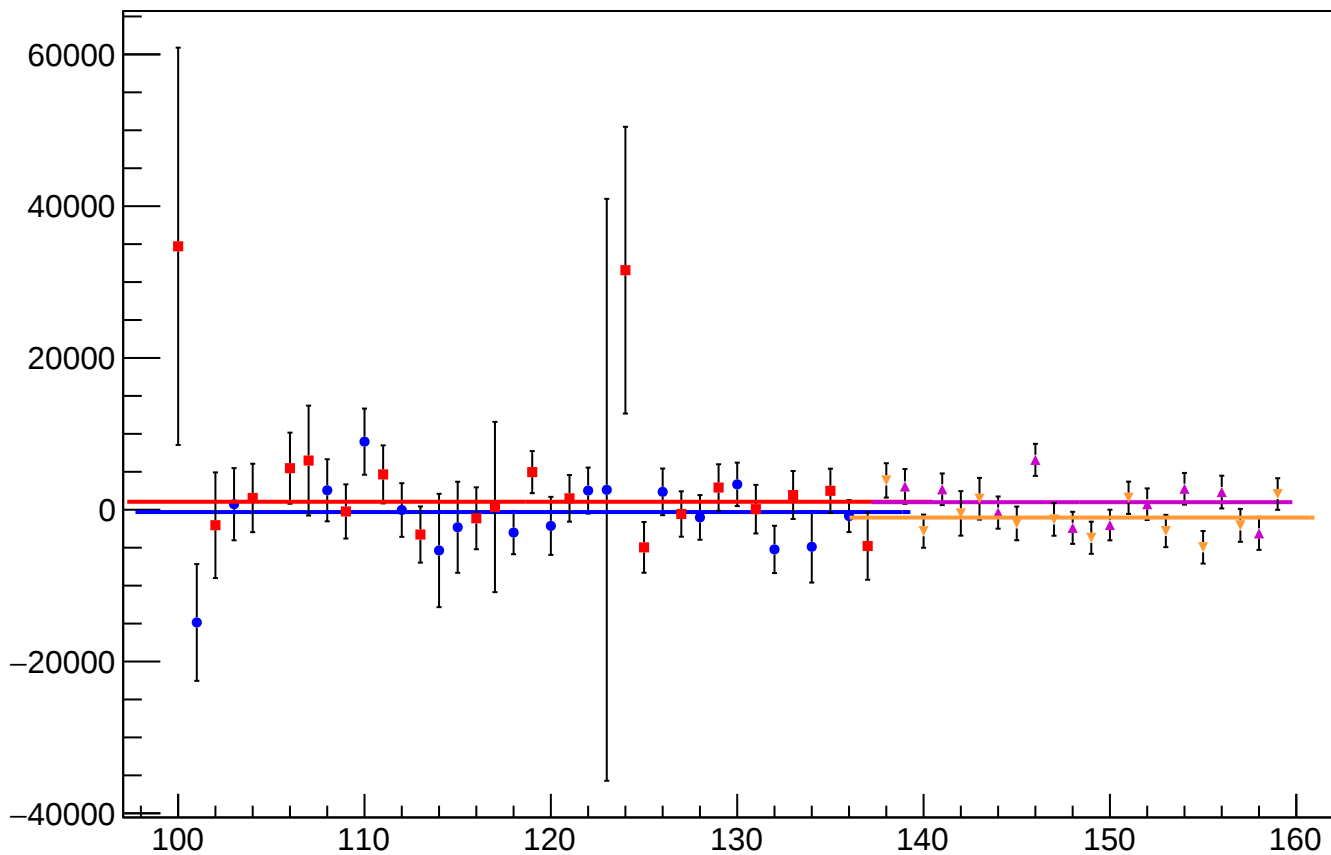
512.223+/-0.097 χ^2/NDF : 3089300.5/28

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

503.433+/-0.098 χ^2/NDF : 3427746.9/29

Left In: 460.819+/-0.115 χ^2/NDF : 114516.9/9

asym_at1_dd_mean vs Slug



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

Left Out: -1032.456 ± 645.739 χ^2/NDF : 15.9/11

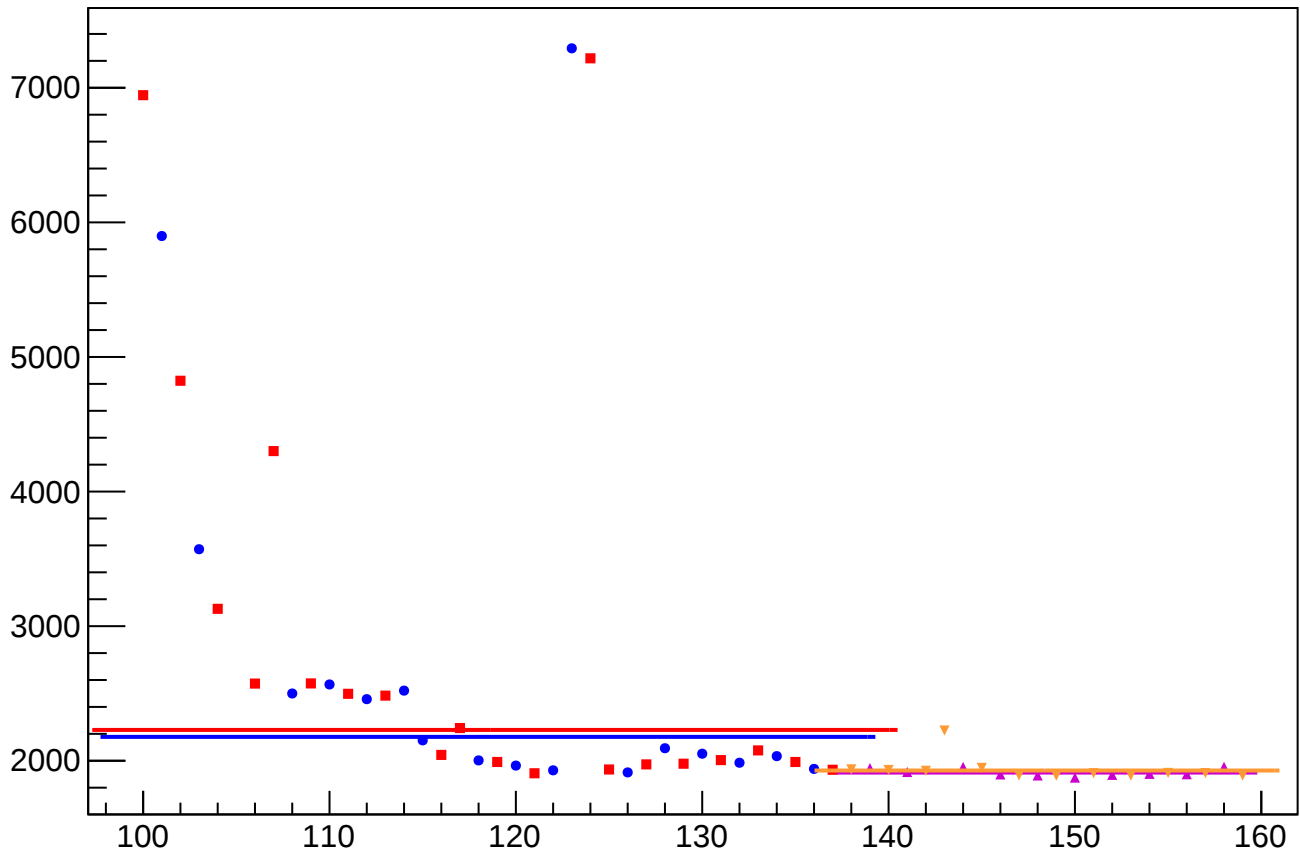
Right Out: 1052.718 ± 864.863 χ^2/NDF : 16.6/19

Left In: 995.183 ± 670.484 χ^2/NDF : 18.3/9

-775.040 ± 518.925 χ^2/NDF : 33.5/28

1016.781 ± 529.897 χ^2/NDF : 35.0/29

asym_at1_dd_rms vs Slug



Right In: 2177.446 $\pm$ 0.617 χ^2/NDF : 802836.7/16

Left Out: 1927.494 $\pm$ 0.457 χ^2/NDF : 26517.9/11

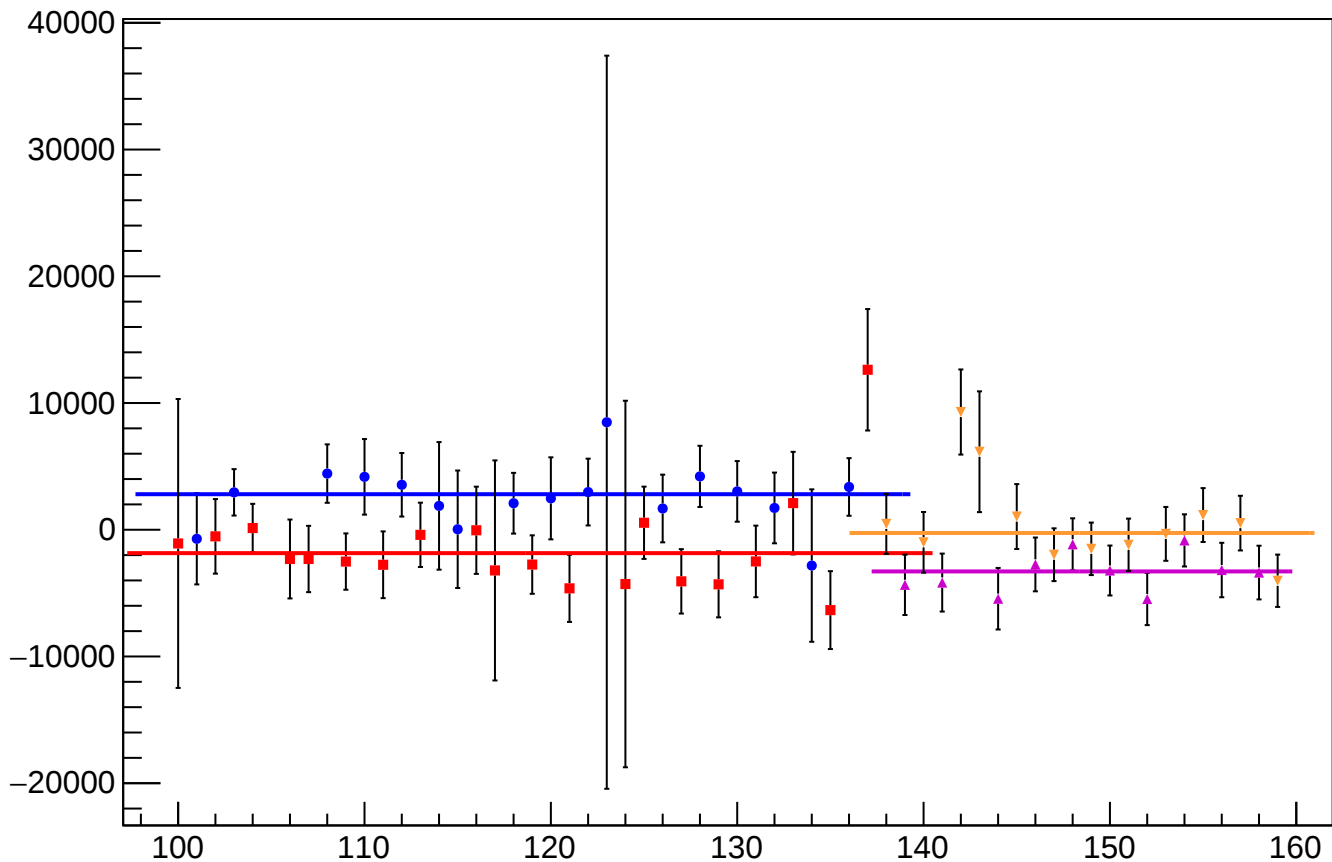
Right Out: 2229.096 $\pm$ 0.612 χ^2/NDF : 895812.2/19

Left In: 1912.213 $\pm$ 0.474 χ^2/NDF : 3236.1/9

2016.028 $\pm$ 0.367 χ^2/NDF : 935496.0/28

2031.169 $\pm$ 0.375 χ^2/NDF : 1066751.9/29

reg_asym_at2_avg_mean vs Slug



Right In: 2803.917 $\pm$ 678.548 χ^2 /NDF: 3.9/16

Left Out: -255.142 $\pm$ 669.717 χ^2 /NDF:15.5/11

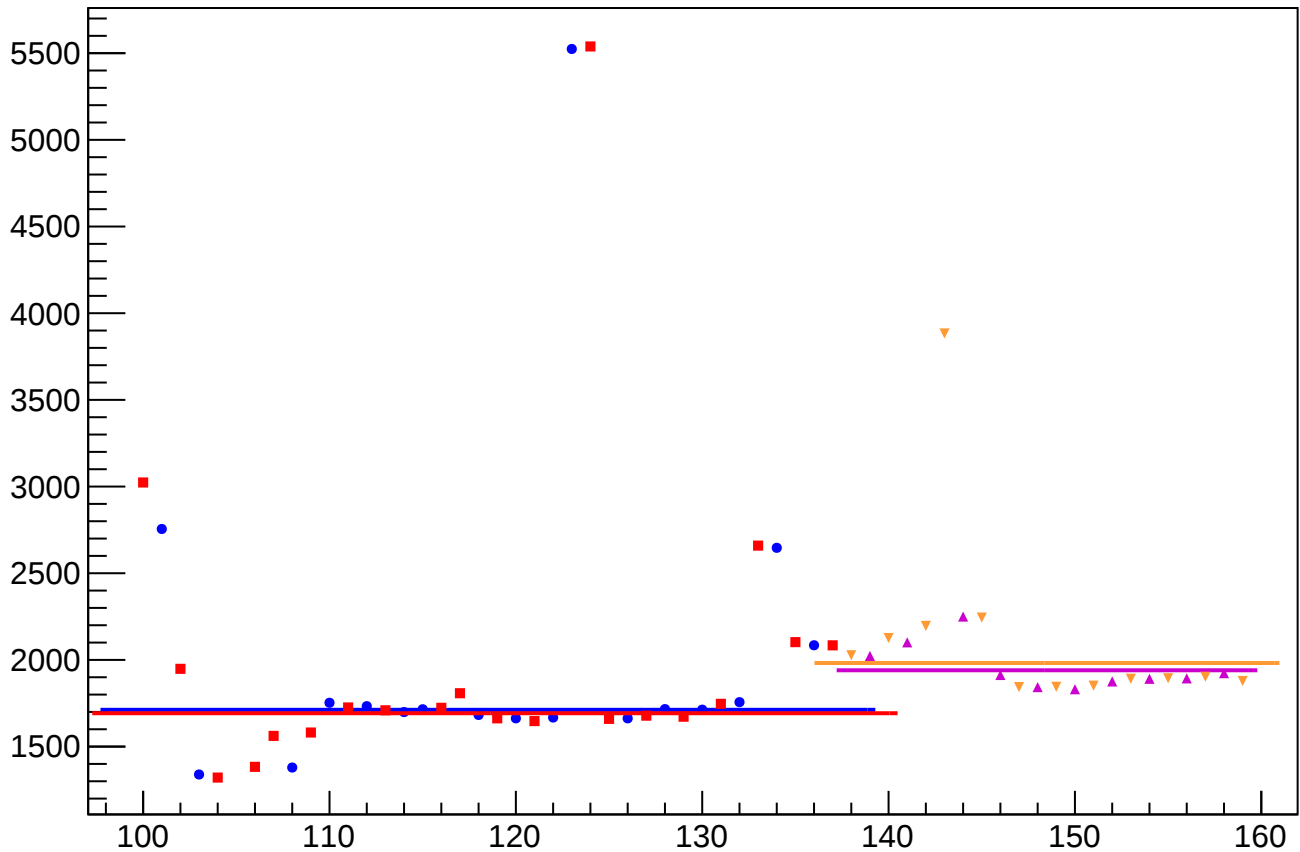
Right Out: -1844.945 $\pm$ 653.448 χ^2 /NDF: 18.1/19

Left In: -3288.824 $\pm$ 679.346 χ^2 /NDF:4.8/9

1254.352 $\pm$ 476.653 χ^2 /NDF: 29.7/28

-2538.839 $\pm$ 470.947 χ^2 /NDF: 25.2/29

reg_asym_at2_avg_rms vs Slug



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

Left Out: 1982.245 ± 0.474 χ^2/NDF : 395840.3/11

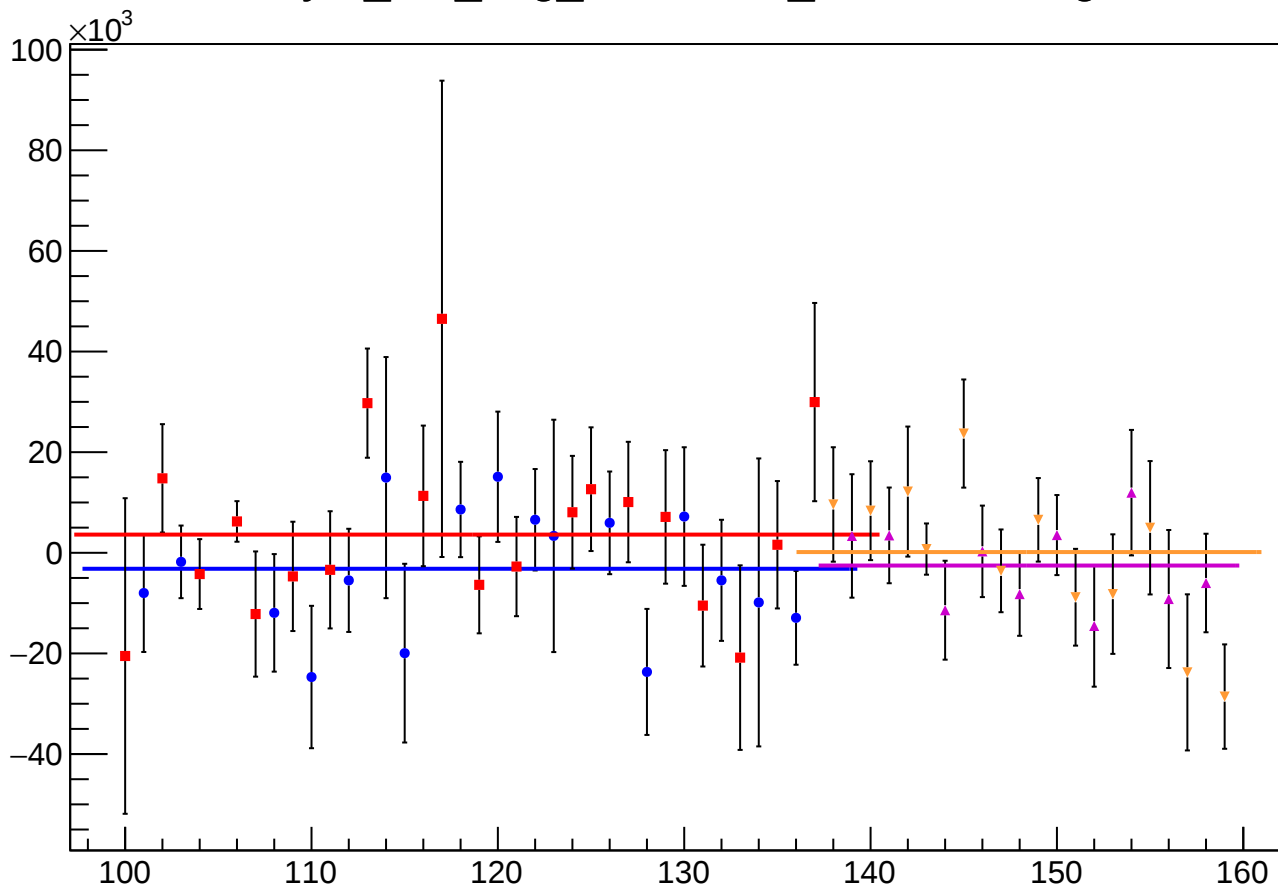
Right Out: 1692.404 ± 0.462 χ^2/NDF : 455277.5/19

Left In: 1940.203 ± 0.480 χ^2/NDF : 60030.4/9

1848.968 ± 0.337 χ^2/NDF : 988832.3/28

1811.490 ± 0.333 χ^2/NDF : 653528.7/29

asym_at2_avg_correction_mean vs Slug



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

Left Out: 147.075 ± 2695.421 χ^2/NDF : 19.4/11

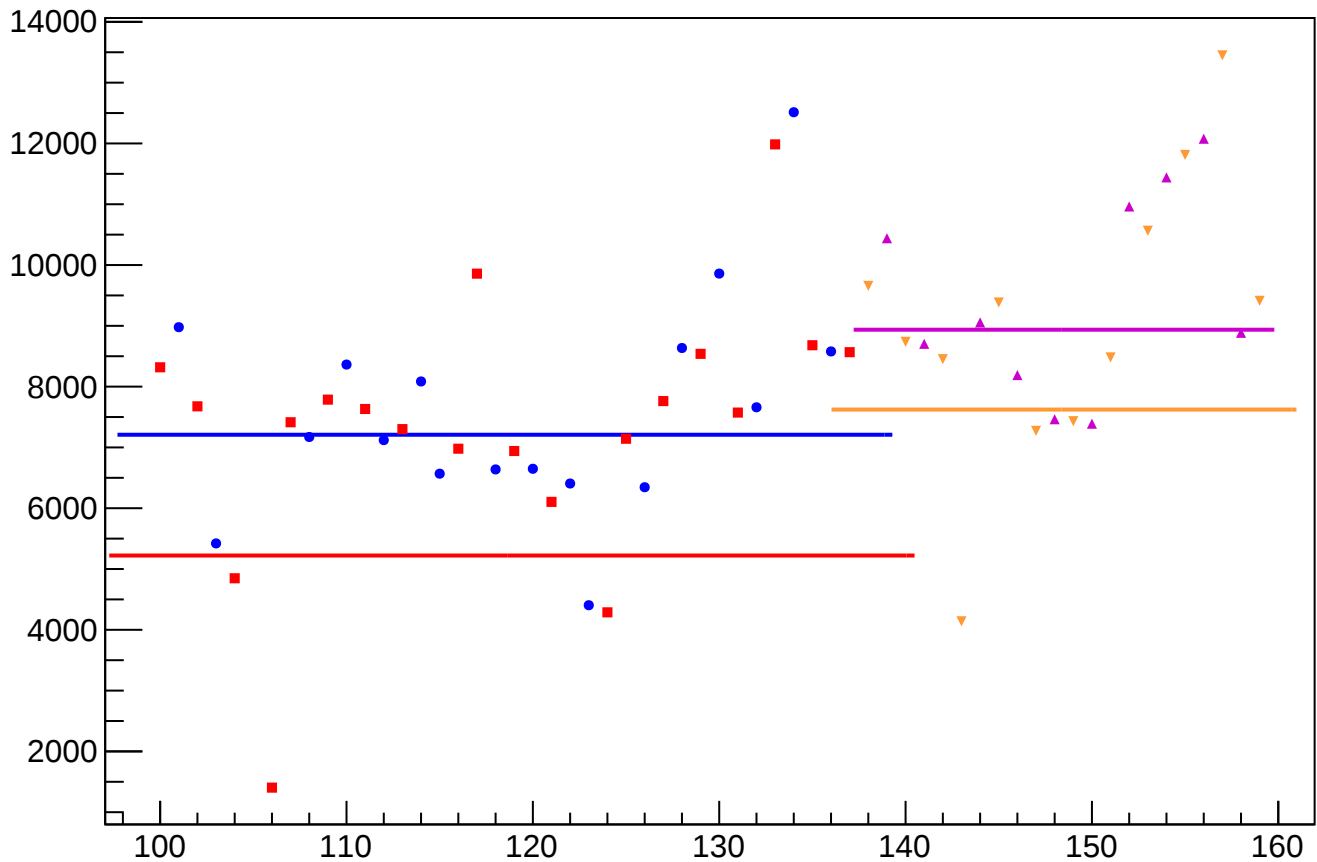
Right Out: 3618.416 ± 2263.938 χ^2/NDF : 20.3/19

Left In: -2532.262 ± 3170.043 χ^2/NDF : 5.3/9

-1419.453 ± 1958.961 χ^2/NDF : 34.5/28

1540.944 ± 1842.346 χ^2/NDF : 28.1/29

asym_at2_avg_correction_rms vs Slug



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

Left Out: 7622.374+/-1.906 χ^2/NDF : 1772066.0/11

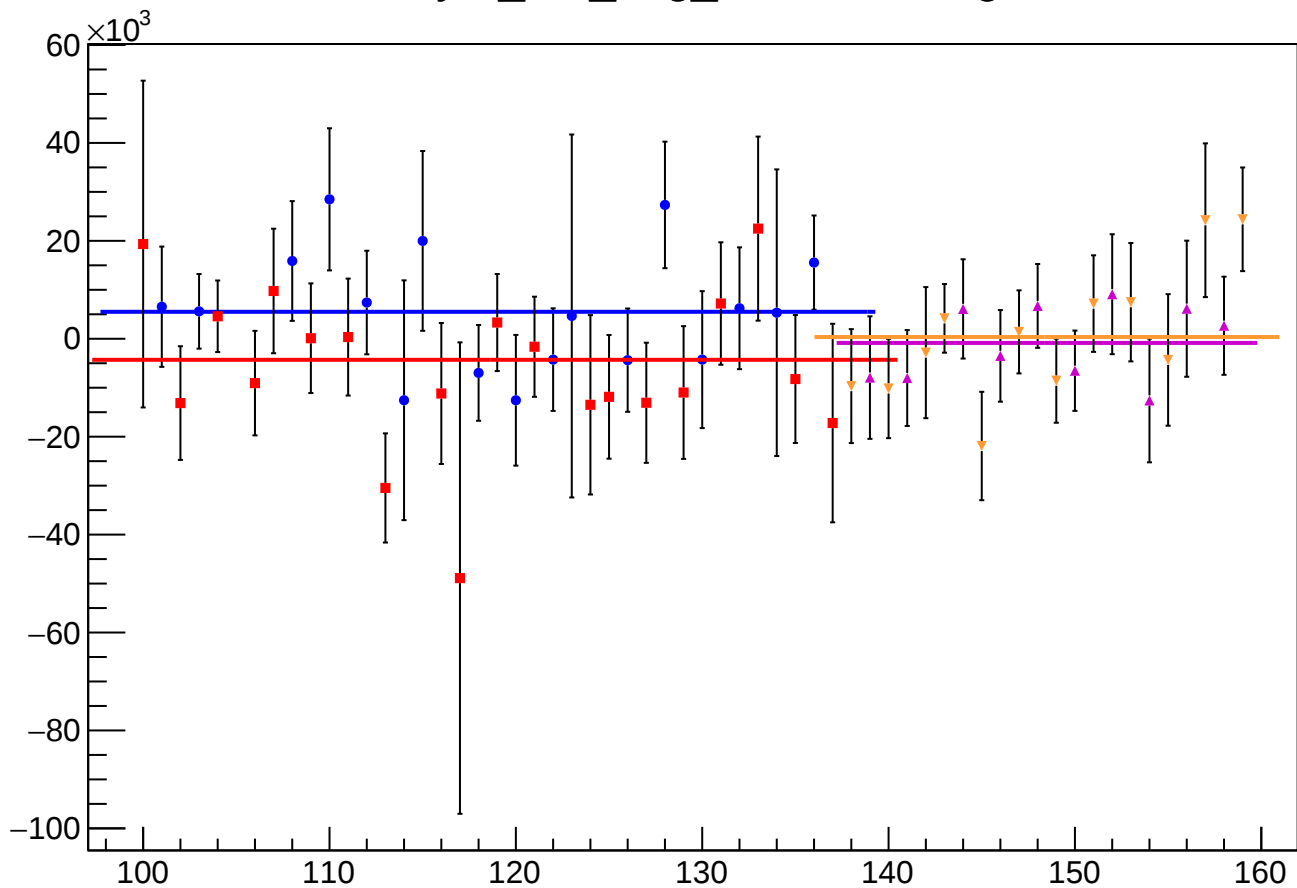
Right Out: 5221.816+/-1.601 χ^2/NDF : 3216100.5/19

Left In: 8936.311+/-2.242 χ^2/NDF : 425616.0/9

7427.140+/-1.385 χ^2/NDF : 2263607.7/28

6476.435+/-1.303 χ^2/NDF : 5460213.3/29

asym_at2_avg_mean vs Slug



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

Left Out: 356.703 $\pm$ 2957.628 χ^2 /NDF: 15.7/11

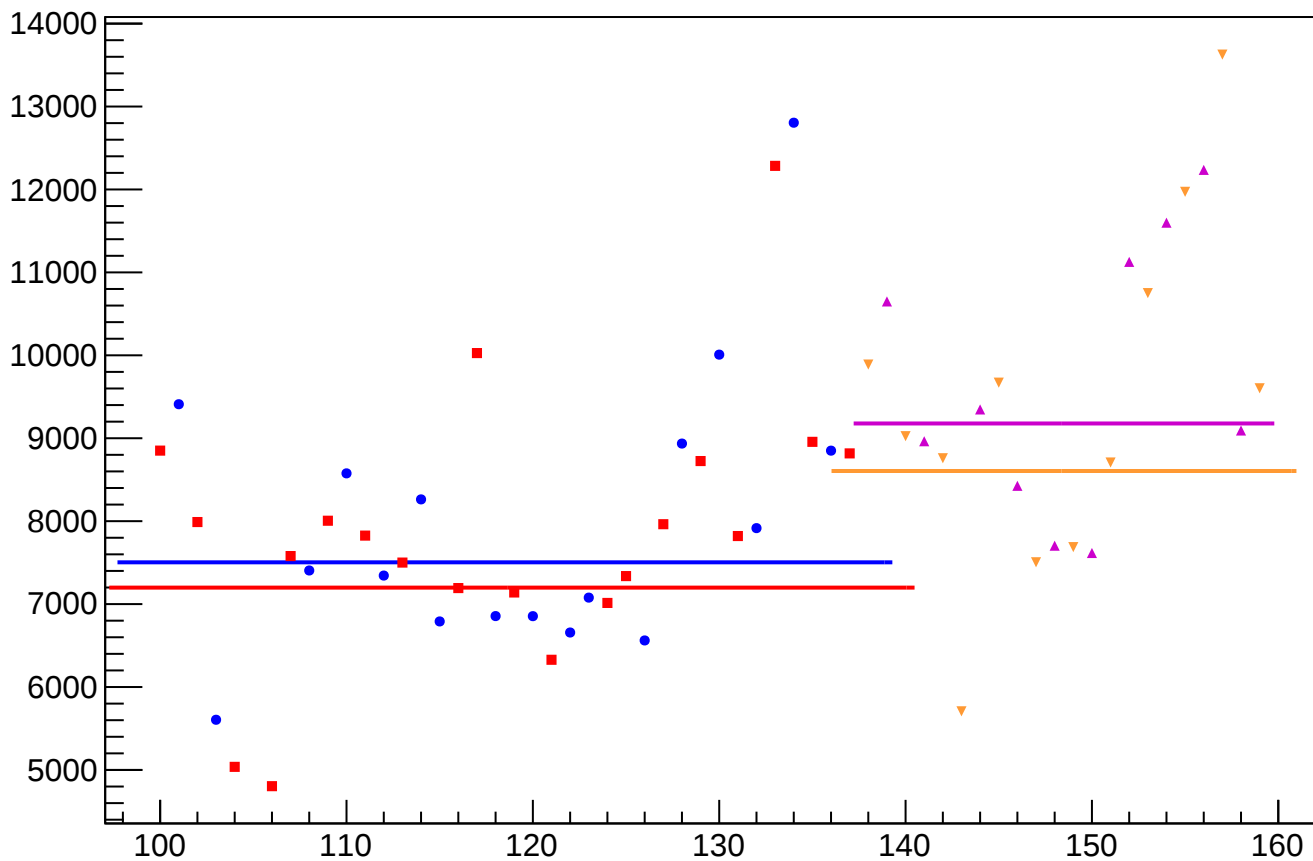
Right Out: -4295.824 $\pm$ 2785.538 χ^2 /NDF: 16.3/19

Left In: -849.635 $\pm$ 3252.055 χ^2 /NDF: 4.6/9

2921.399 $\pm$ 2096.082 χ^2 /NDF: 31.3/28

-2837.432 $\pm$ 2115.561 χ^2 /NDF: 21.5/29

asym_at2_avg_rms vs Slug



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

Left Out: 8605.005 ± 2.091 χ^2/NDF : 856455.2/11

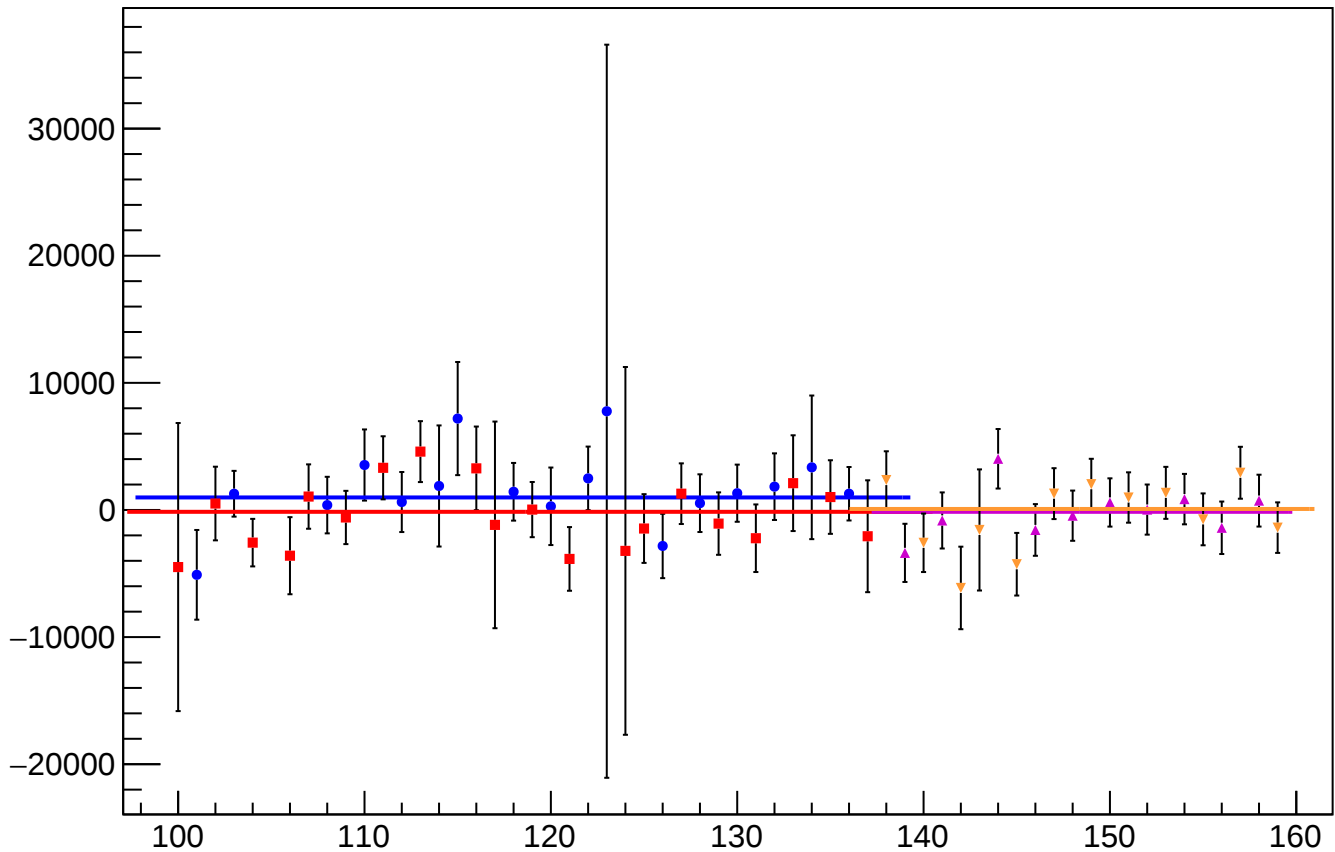
Right Out: 7198.728 ± 1.969 χ^2/NDF : 564629.1/19

Left In: 9178.112 ± 2.300 χ^2/NDF : 394954.2/9

8056.812 ± 1.482 χ^2/NDF : 1421806.2/28

8036.260 ± 1.496 χ^2/NDF : 1387002.5/29

reg_asym_at2_dd_mean vs Slug



Right In: 985.452 ± 644.630 $\chi^2/\text{NDF}: 9.1/16$

Left Out: 79.272 ± 643.398 $\chi^2/\text{NDF}: 13.8/11$

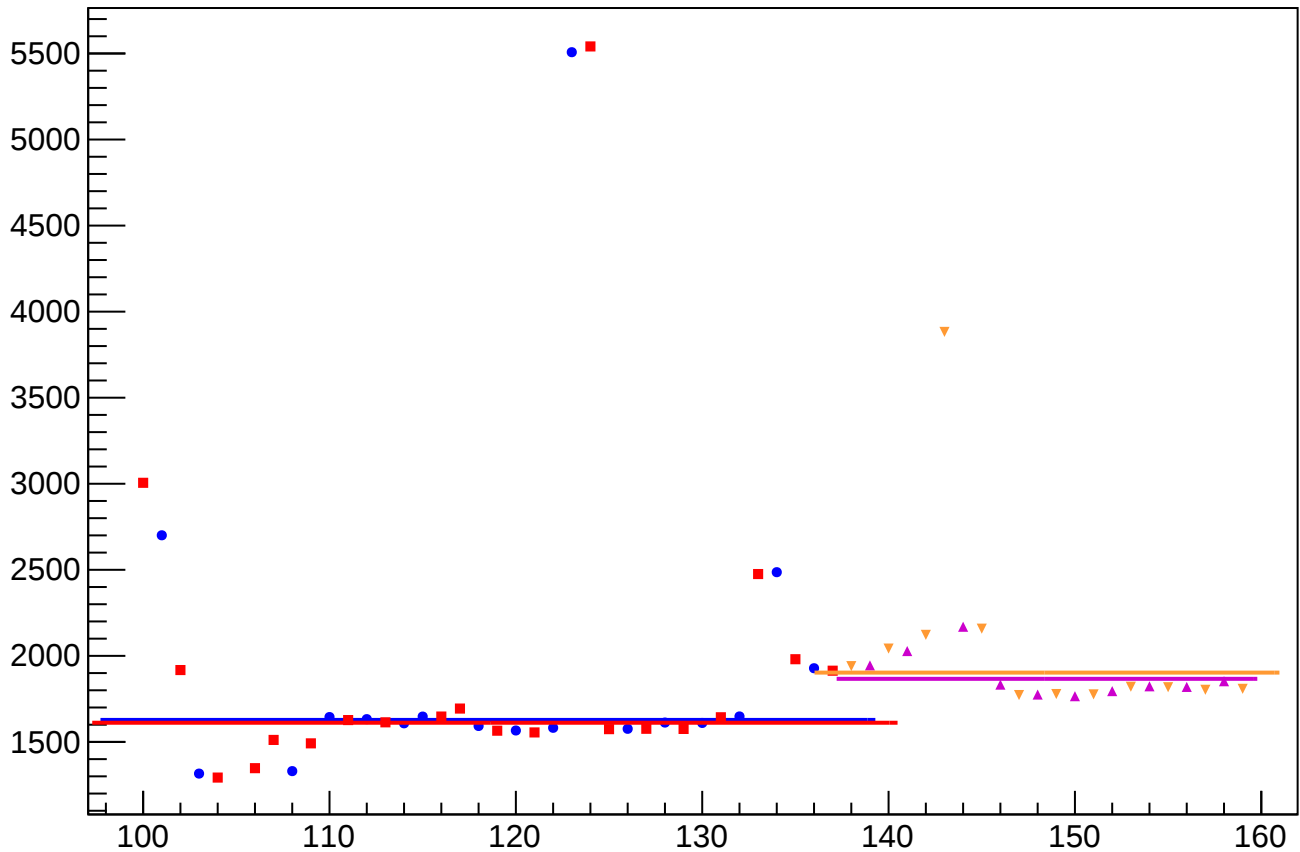
Right Out: -144.683 ± 621.728 $\chi^2/\text{NDF}: 14.7/19$

Left In: -144.706 ± 653.581 $\chi^2/\text{NDF}: 6.7/9$

531.495 ± 455.386 $\chi^2/\text{NDF}: 23.9/28$

-144.694 ± 450.468 $\chi^2/\text{NDF}: 21.4/29$

reg_asym_at2_dd_rms vs Slug



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

Left Out: 1902.764+/-0.455 χ^2/NDF : 424197.5/11

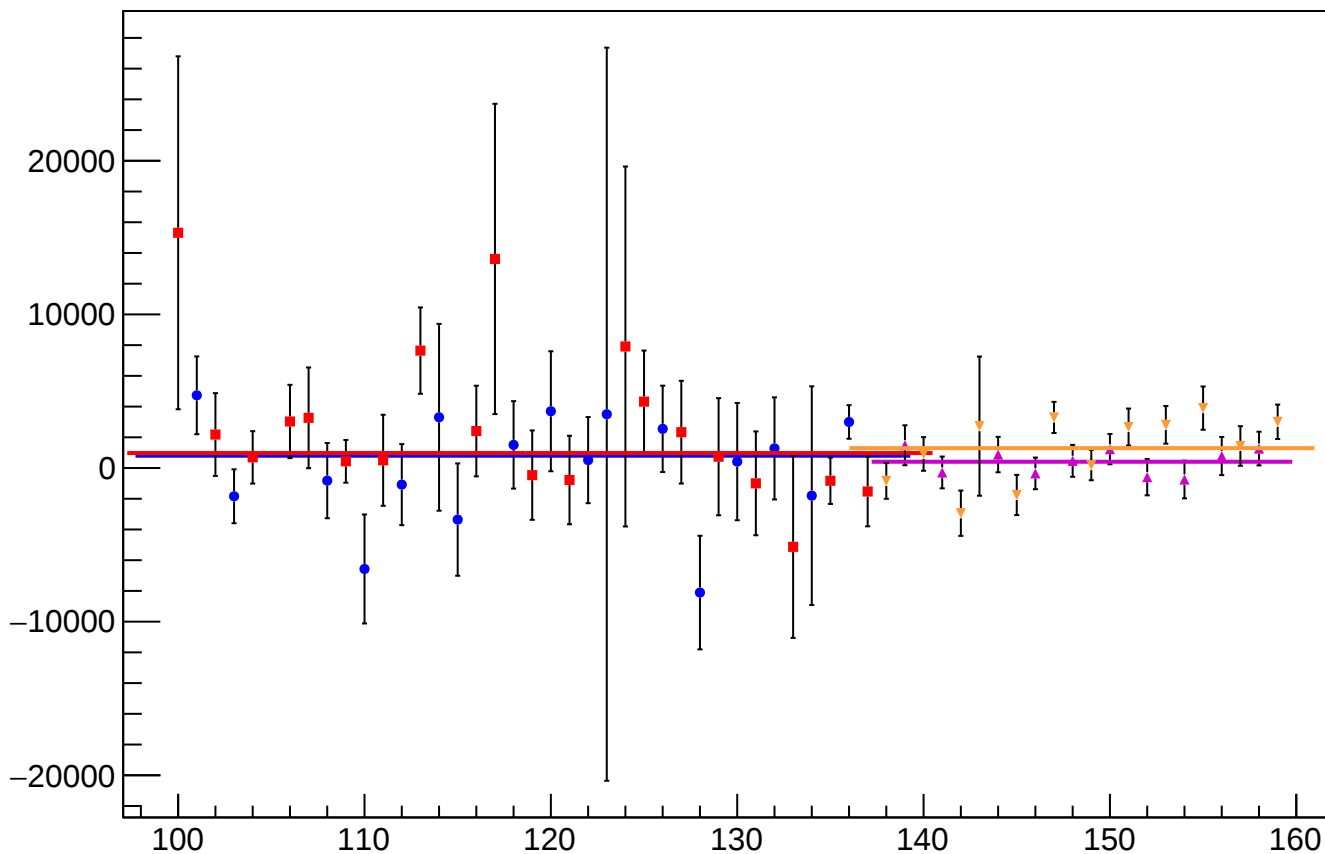
Right Out: 1611.433+/-0.440 χ^2/NDF : 434167.6/19

Left In: 1866.543+/-0.462 χ^2/NDF : 61612.7/9

1765.563+/-0.322 χ^2/NDF : 1013545.2/28

1732.620+/-0.319 χ^2/NDF : 655740.3/29

asym_at2_dd_correction_mean vs Slug



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

Left Out: 1295.437 $\pm$ 355.364 χ^2 /NDF:31.0/11

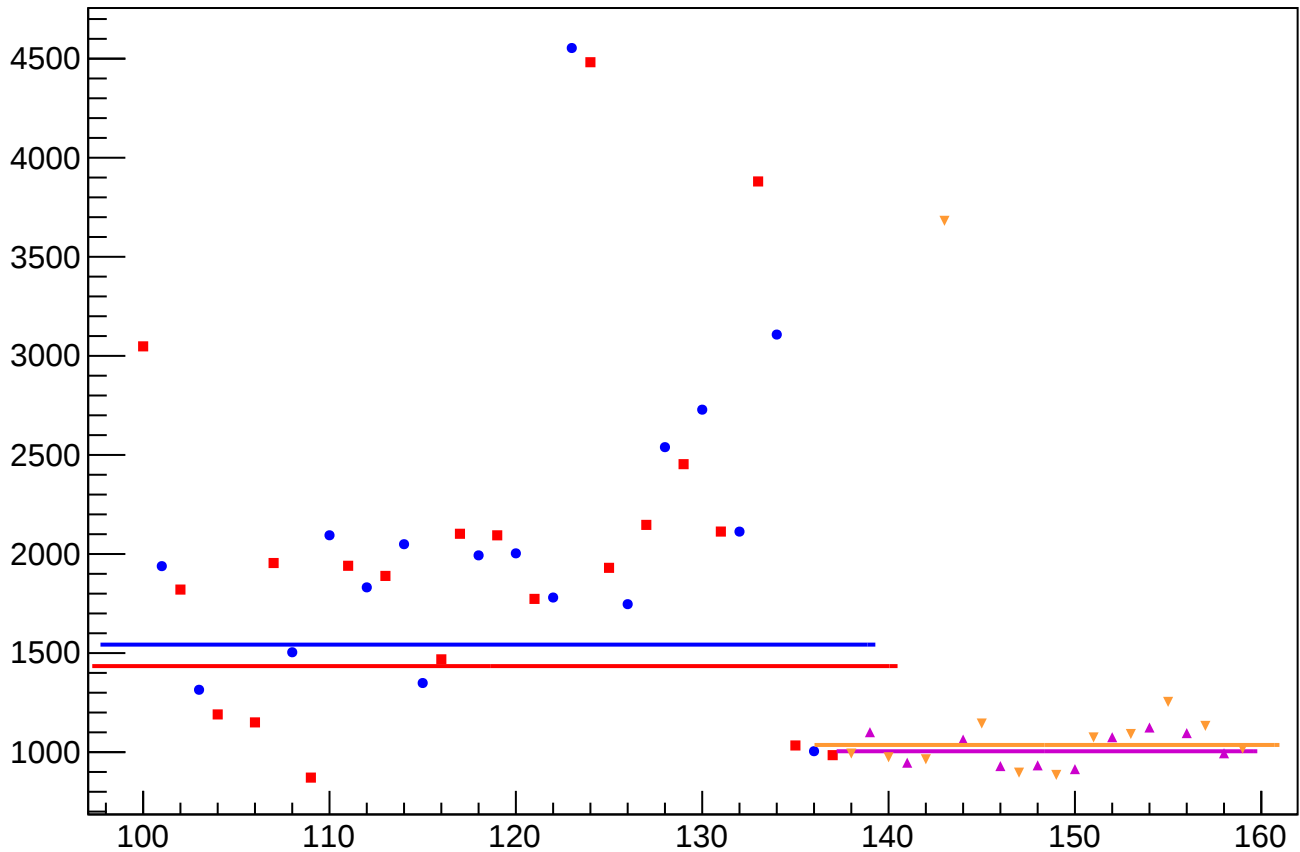
Right Out: 976.725 $\pm$ 588.724 χ^2 /NDF: 16.8/19

Left In: 408.613 $\pm$ 352.640 χ^2 /NDF:4.9/9

1177.065 $\pm$ 309.717 χ^2 /NDF: 53.9/28

558.623 $\pm$ 302.521 χ^2 /NDF: 22.4/29

asym_at2_dd_correction_rms vs Slug



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

Left Out: 1036.343+/-0.251 χ^2/NDF : 860148.0/11

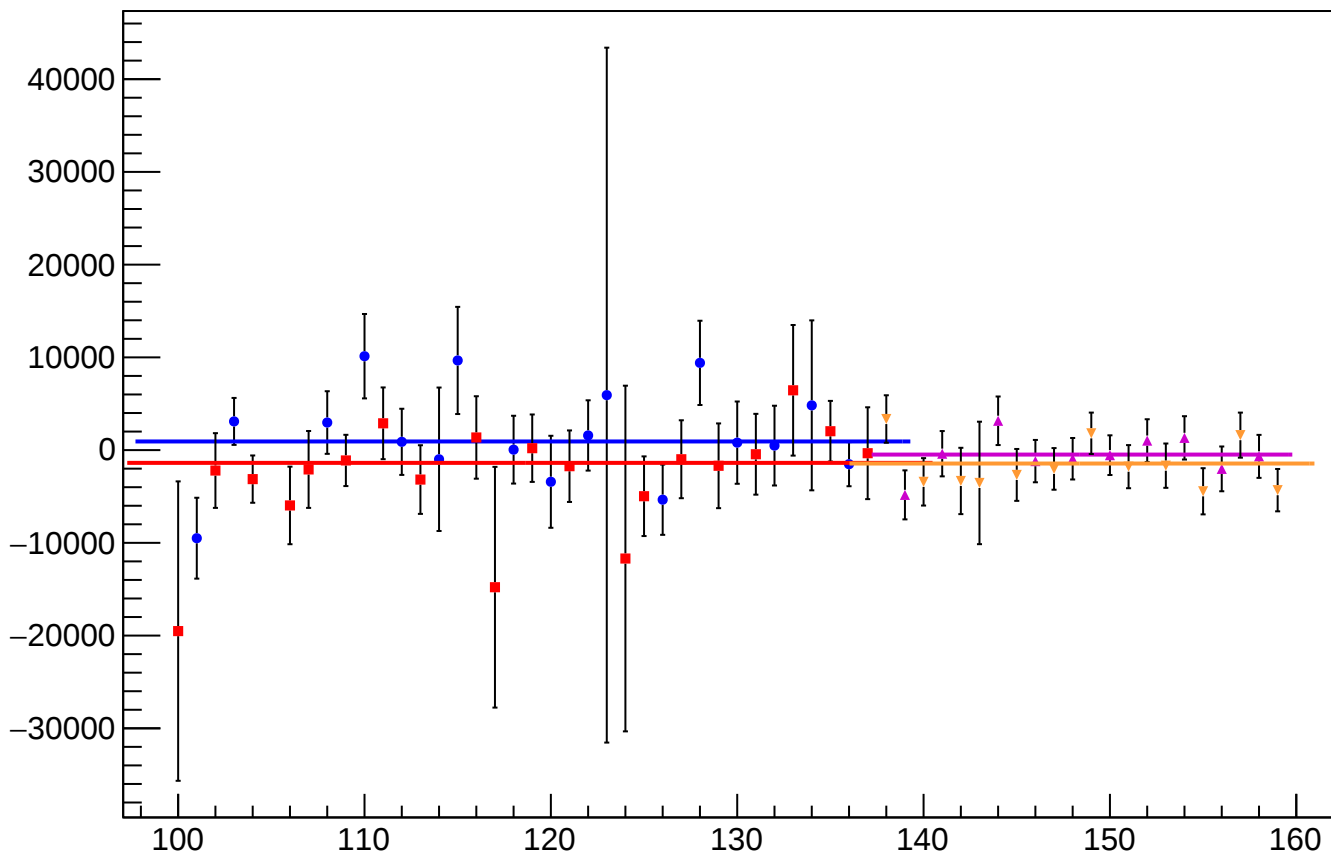
1158.074+/-0.219 χ^2/NDF : 3124312.0/28

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

1117.969+/-0.214 χ^2/NDF : 2713668.7/29

Left In: 1004.476+/-0.249 χ^2/NDF : 96538.2/9

asym_at2_dd_mean vs Slug



Right In: 932.818 ± 967.941 $\chi^2/\text{NDF}: 21.6/16$

Left Out: -1447.129 ± 742.037 $\chi^2/\text{NDF}: 11.5/11$

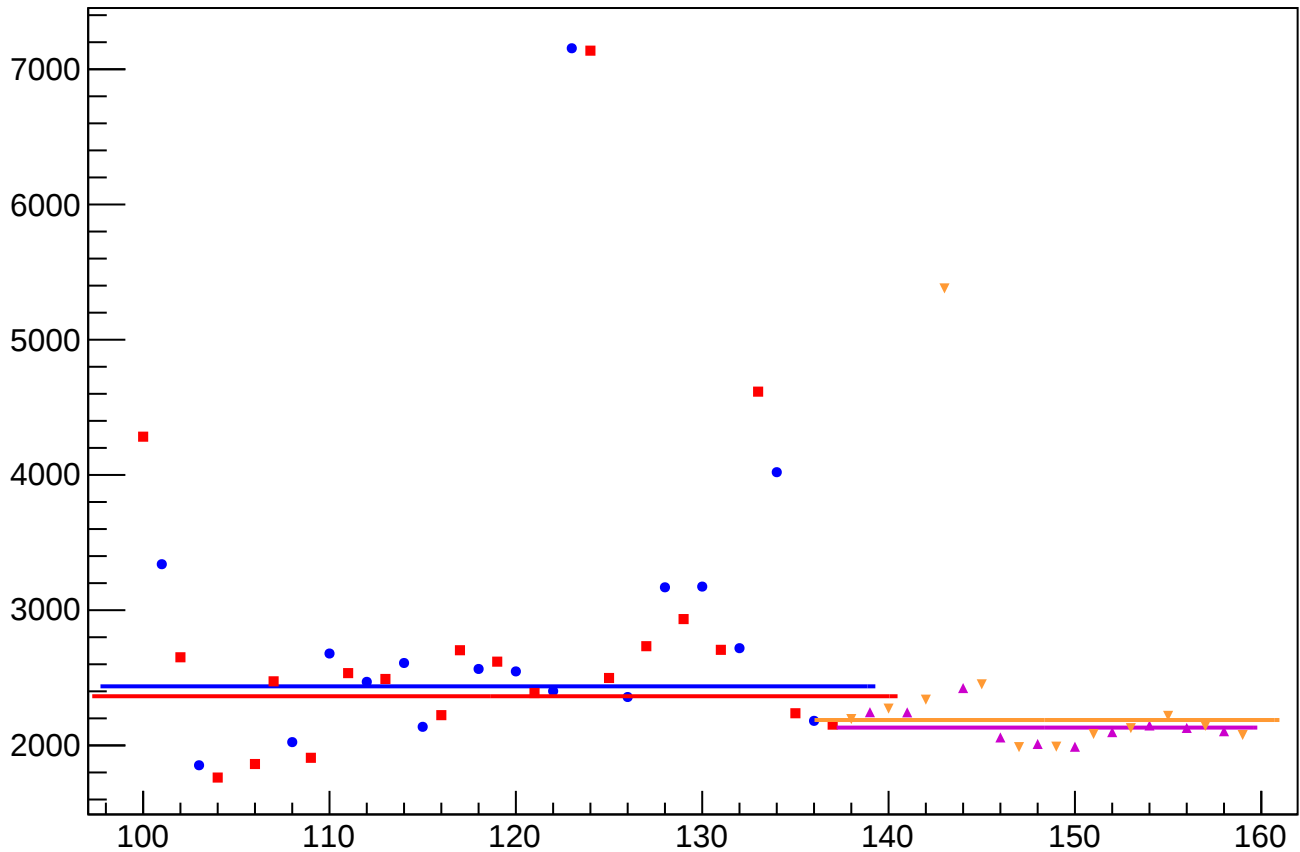
Right Out: -1375.966 ± 923.072 $\chi^2/\text{NDF}: 9.6/19$

Left In: -481.554 ± 746.214 $\chi^2/\text{NDF}: 6.2/9$

-566.175 ± 588.900 $\chi^2/\text{NDF}: 36.9/28$

-835.050 ± 580.309 $\chi^2/\text{NDF}: 16.3/29$

asym_at2_dd_rms vs Slug



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

Left Out: 2187.821+/-0.525 χ^2/NDF : 533126.2/11

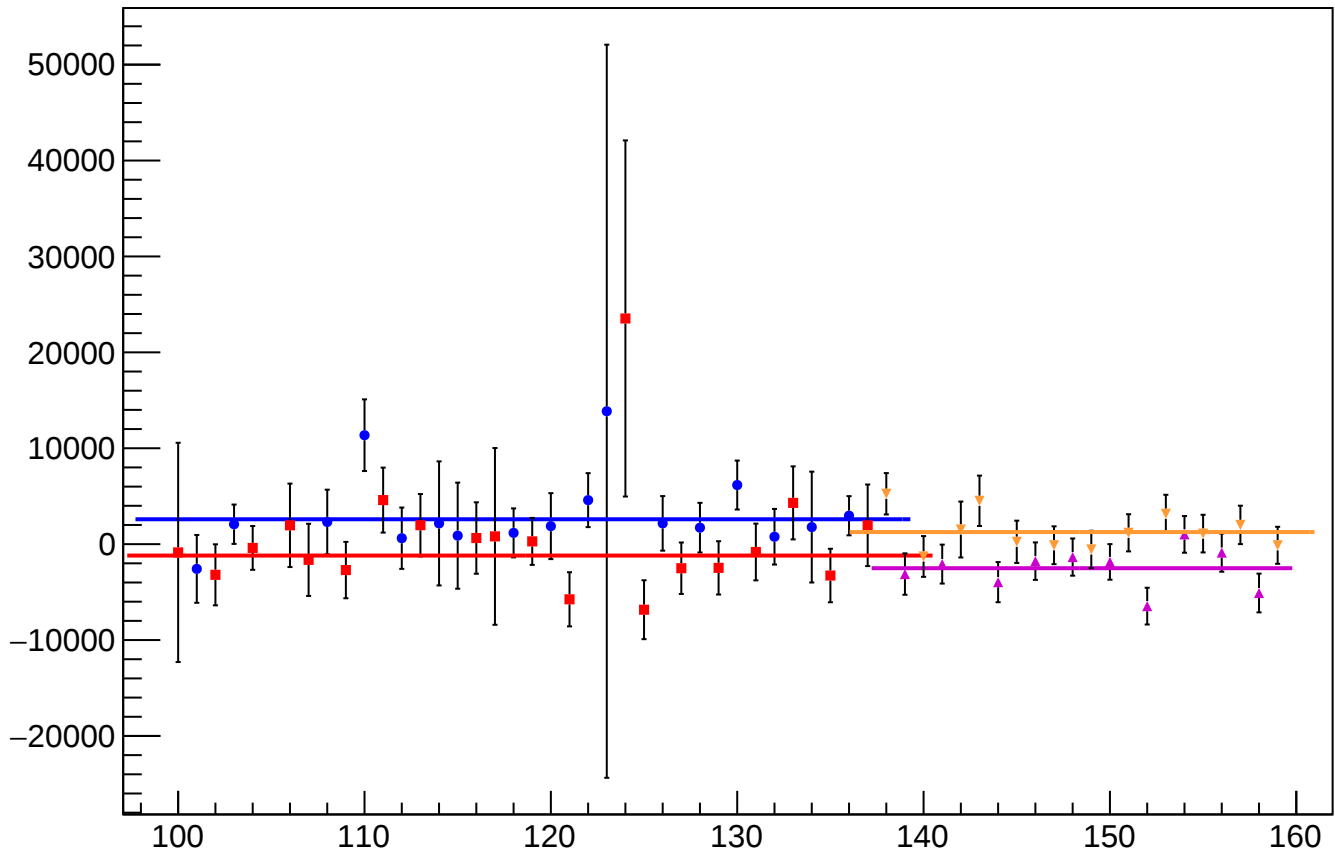
Right Out: 2363.609+/-0.653 χ^2/NDF : 657228.5/19

Left In: 2131.783+/-0.528 χ^2/NDF : 50332.1/9

2280.003+/-0.416 χ^2/NDF : 1085540.6/28

2223.408+/-0.410 χ^2/NDF : 783852.2/29

reg_asym_atl1r2_avg_mean vs Slug



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

Left Out: 1260.138+/-605.764 χ^2/NDF : 9.6/11

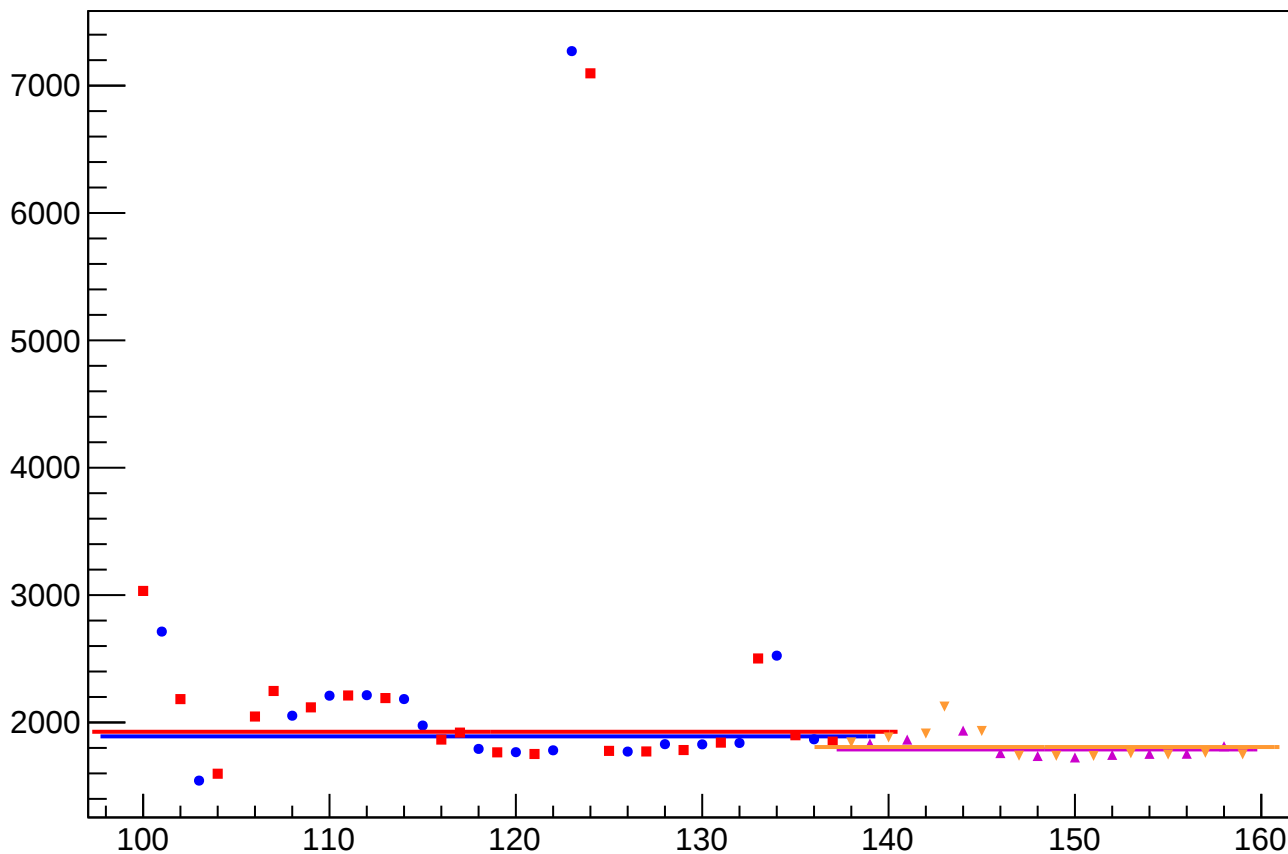
Right Out: -1189.680+/-737.247 χ^2/NDF : 17.3/19

Left In: -2509.090+/-626.606 χ^2/NDF : 11.2/9

1793.013+/-469.499 χ^2/NDF : 23.2/28

-1955.721+/-477.453 χ^2/NDF : 30.3/29

reg_asym_atl1r2_avg_rms vs Slug



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

Left Out: 1807.029+/-0.428 χ^2/NDF : 54788.2/11

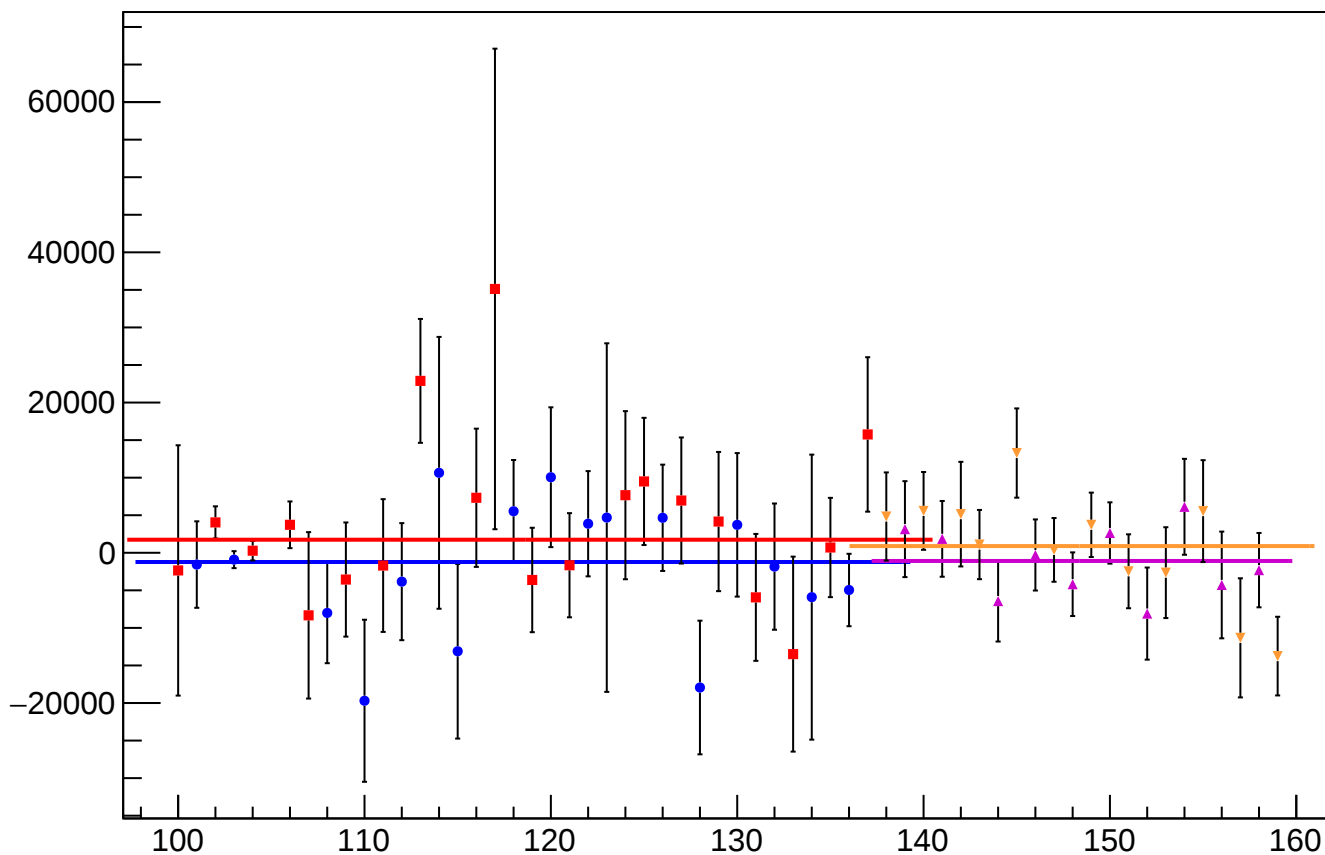
Right Out: 1926.906+/-0.520 χ^2/NDF : 362255.6/19

Left In: 1788.087+/-0.443 χ^2/NDF : 20444.9/9

1840.447+/-0.332 χ^2/NDF : 358976.7/28

1846.414+/-0.337 χ^2/NDF : 423944.4/29

asym_atl1r2_avg_correction_mean vs Slug



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

Left Out: 891.376+/-1552.347 χ^2/NDF : 17.9/11

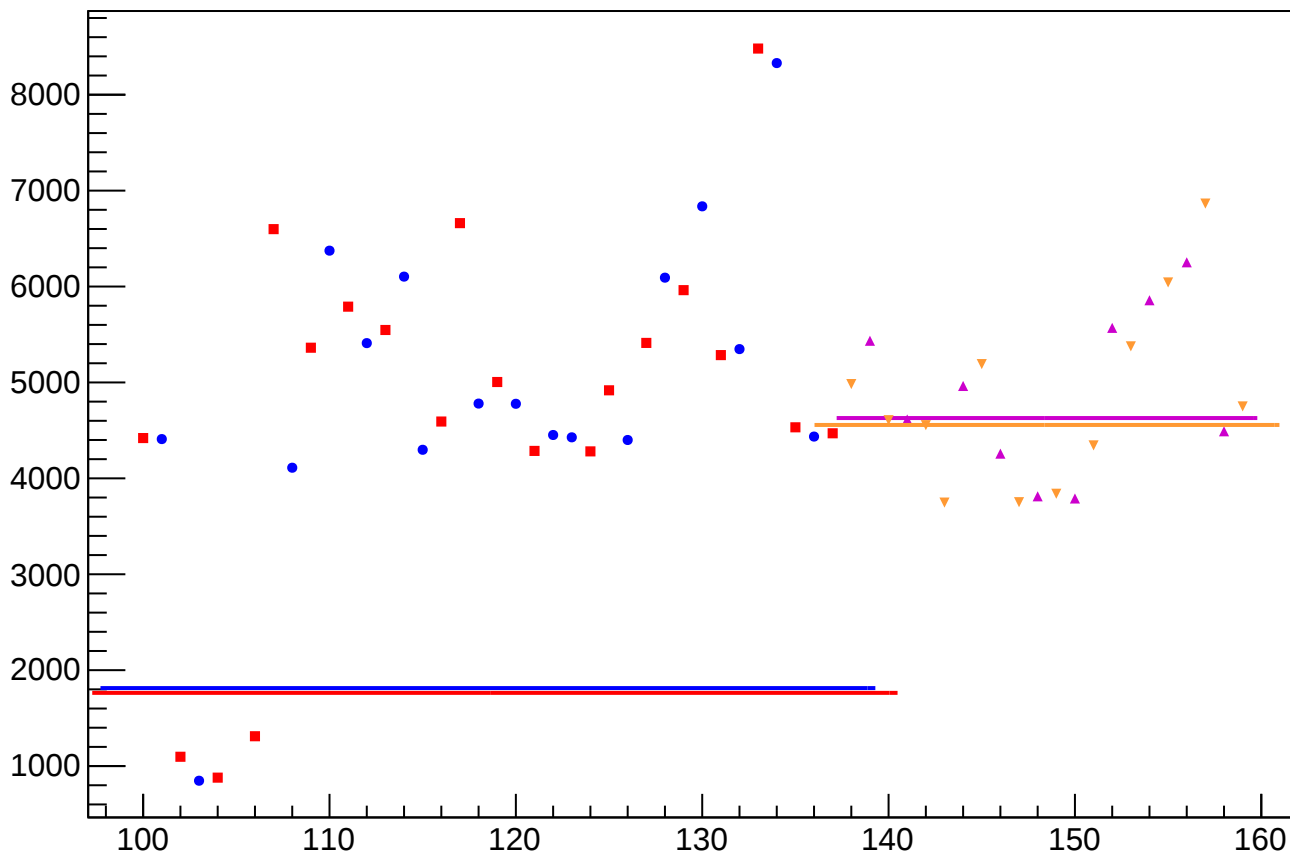
Right Out: 1740.671+/-941.173 χ^2/NDF : 18.9/19

Left In: -1089.203+/-1642.948 χ^2/NDF : 6.0/9

-619.213+/-831.460 χ^2/NDF : 33.1/28

1041.463+/-816.664 χ^2/NDF : 27.1/29

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4556.765+/-1.098 χ^2/NDF : 531993.0/11

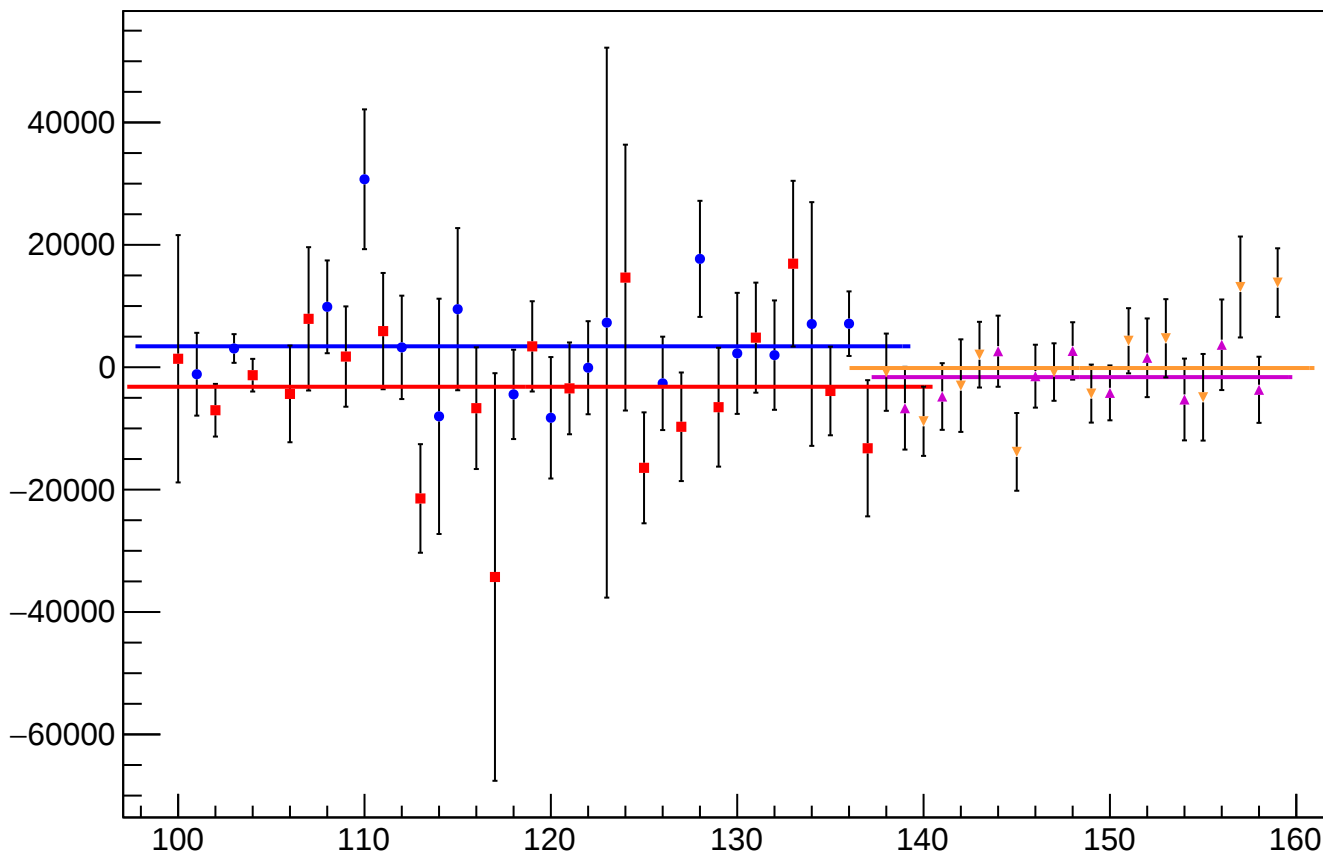
Right Out: 1763.378+/-0.666 χ^2/NDF : 6359993.8/19

Left In: 4628.796+/-1.162 χ^2/NDF : 437700.5/9

2600.280+/-0.588 χ^2/NDF : 11436003.1/28

2471.369+/-0.577 χ^2/NDF : 11378128.4/29

asym_atl1r2_avg_mean vs Slug



Right In: 3421.264 ± 1606.678 χ^2/NDF : 13.7/16

Left Out: -128.753 ± 1691.871 χ^2/NDF : 18.6/11

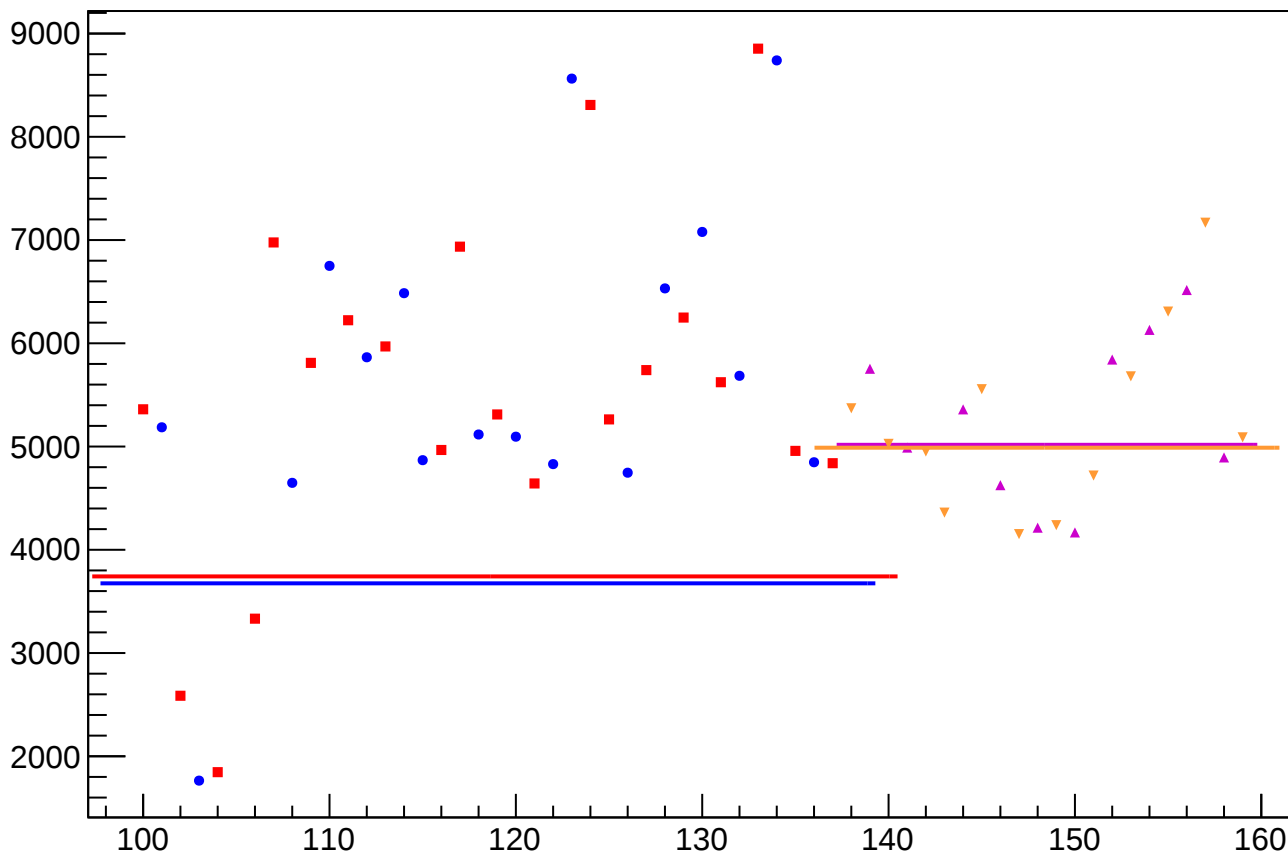
Right Out: -3190.143 ± 1604.066 χ^2/NDF : 16.9/19

Left In: -1614.267 ± 1775.254 χ^2/NDF : 3.8/9

1737.883 ± 1165.047 χ^2/NDF : 34.7/28

-2481.830 ± 1190.178 χ^2/NDF : 21.1/29

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003 ± 1.136 χ^2/NDF : 2775085.7/16

Left Out: 4988.709 ± 1.196 χ^2/NDF : 402613.1/11

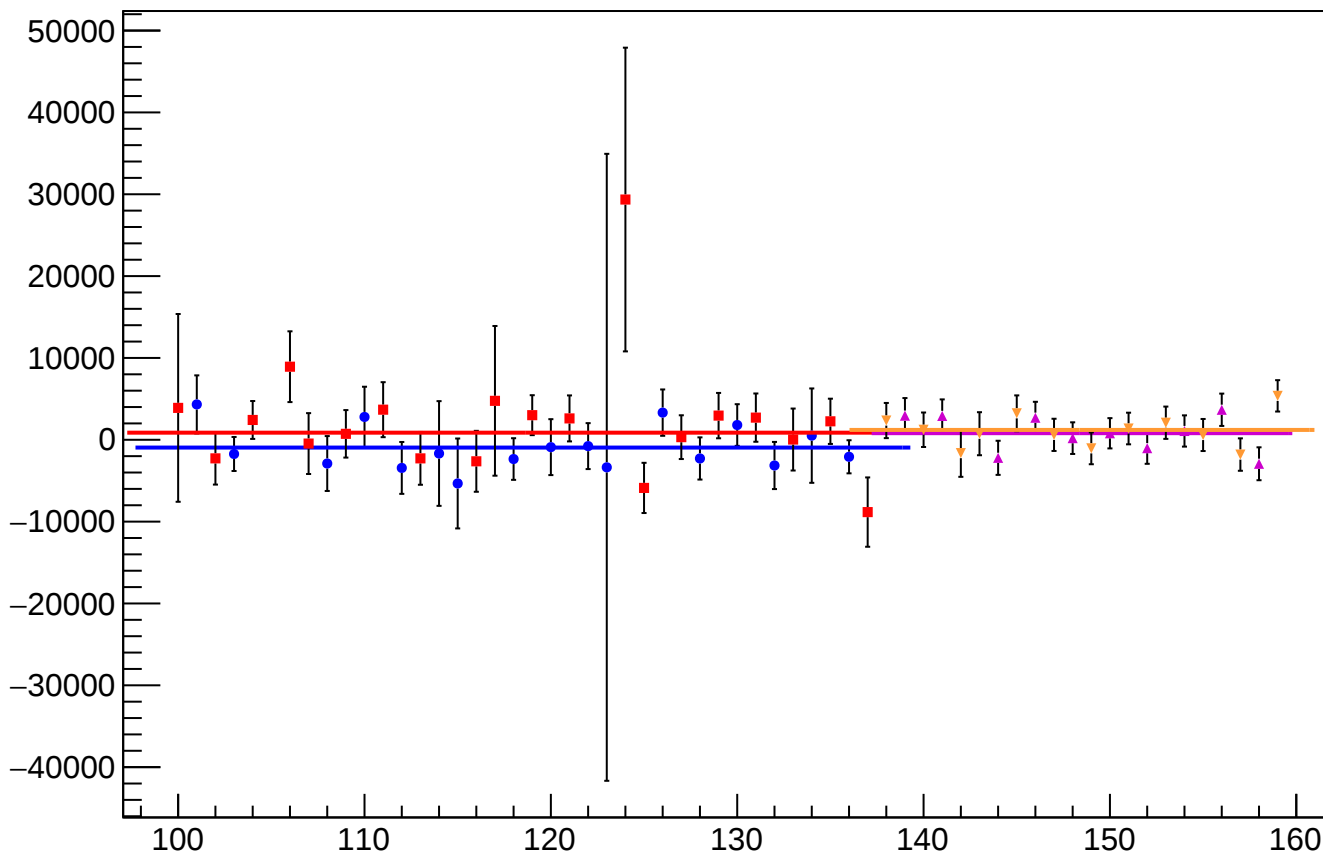
Right Out: 3742.124 ± 1.127 χ^2/NDF : 2712365.3/19

Left In: 5016.711 ± 1.255 χ^2/NDF : 344125.6/9

4297.949 ± 0.824 χ^2/NDF : 3811745.4/28

4310.826 ± 0.838 χ^2/NDF : 3627460.8/29

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 1203.904+/-603.096 χ^2/NDF : 10.9/11

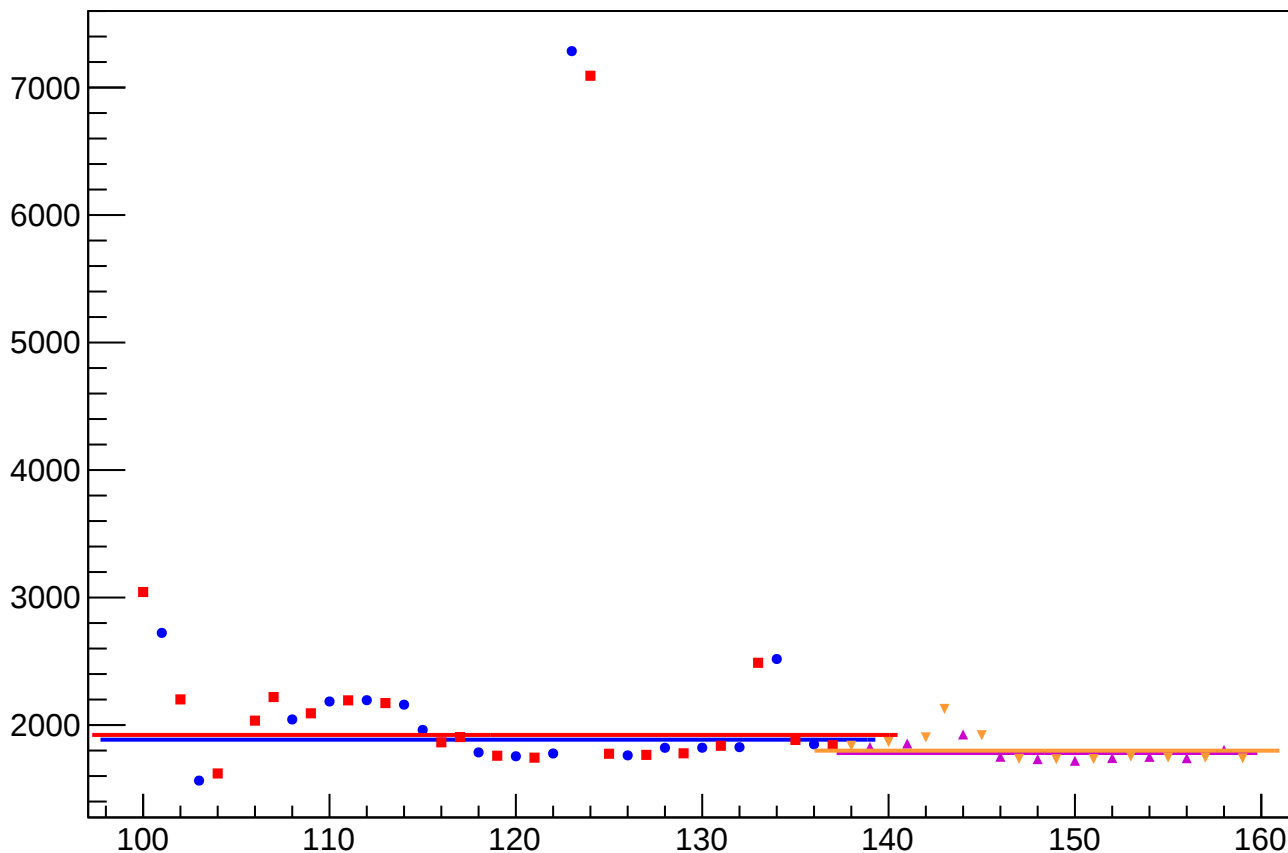
Right Out: 868.810+/-735.140 χ^2/NDF : 22.7/19

Left In: 807.969+/-624.054 χ^2/NDF : 11.7/9

344.629+/-467.668 χ^2/NDF : 25.9/28

833.450+/-475.752 χ^2/NDF : 34.4/29

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360 ± 0.524 χ^2/NDF : 280429.0/16

Left Out: 1799.120 ± 0.426 χ^2/NDF : 55356.8/11

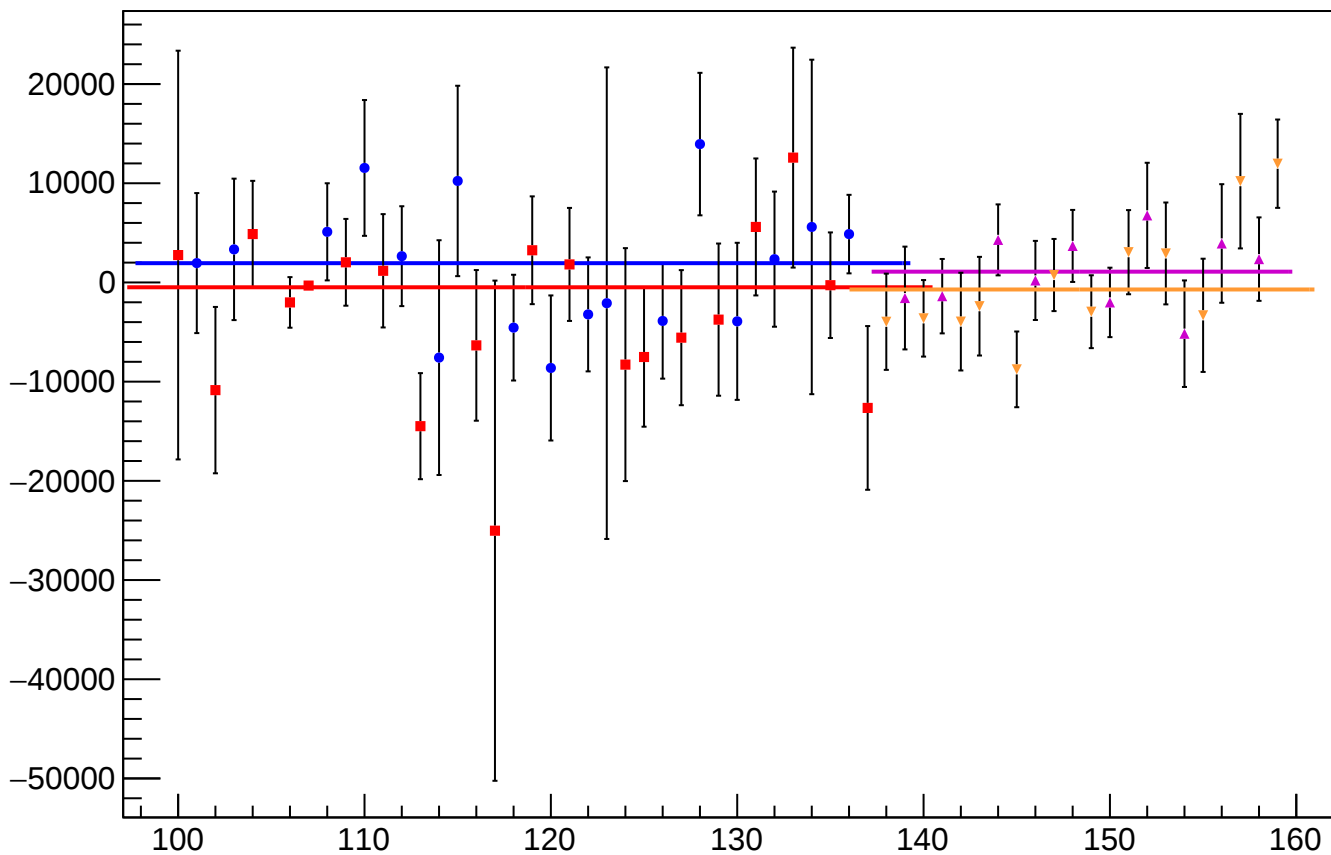
Right Out: 1922.430 ± 0.519 χ^2/NDF : 351518.8/19

Left In: 1780.845 ± 0.441 χ^2/NDF : 19714.1/9

1833.503 ± 0.331 χ^2/NDF : 352090.0/28

1840.249 ± 0.336 χ^2/NDF : 414426.8/29

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -709.115+/-1284.474 χ^2/NDF : 18.7/11

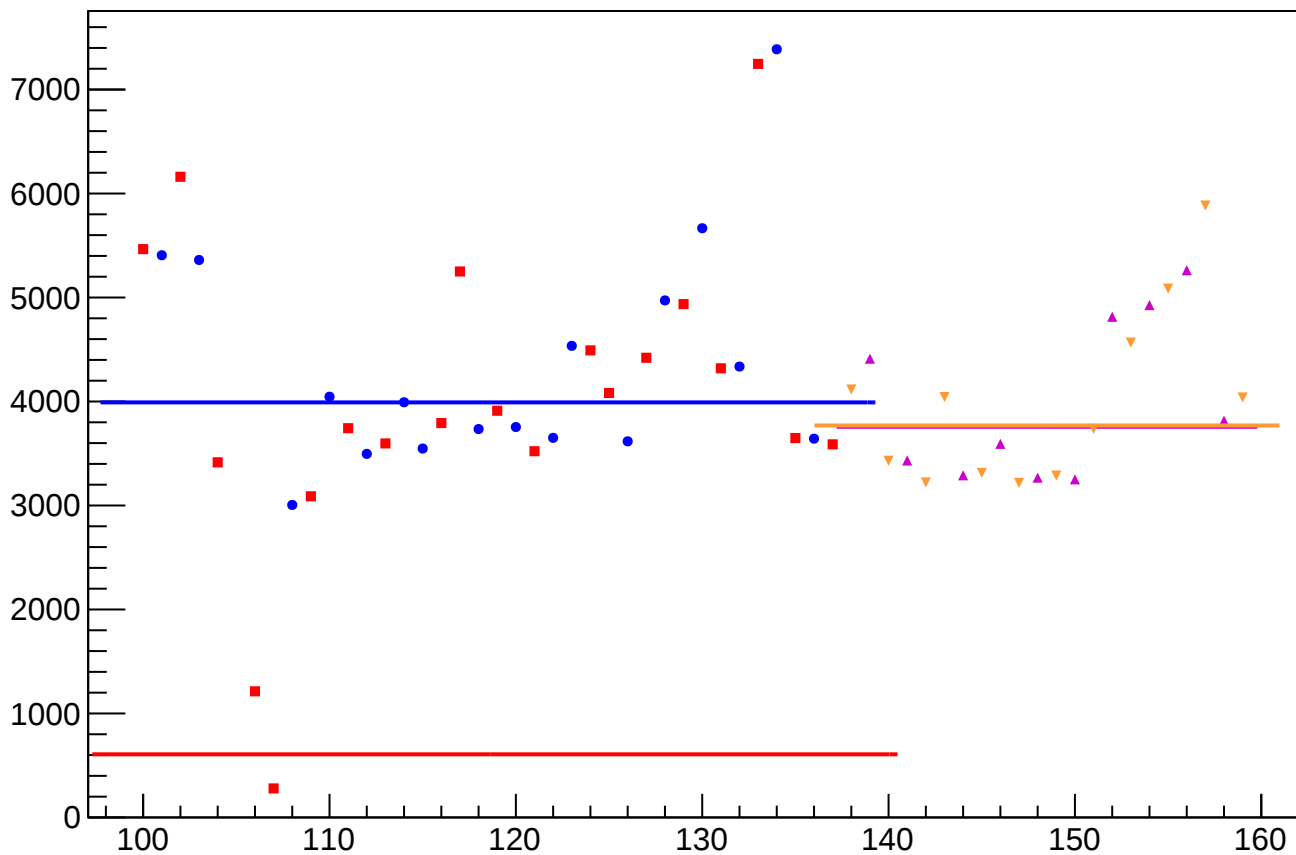
Right Out: -486.774+/-453.611 χ^2/NDF : 19.0/19

Left In: 1087.055+/-1334.431 χ^2/NDF : 5.7/9

345.426+/-996.941 χ^2/NDF : 33.6/28

-323.754+/-429.476 χ^2/NDF : 25.9/29

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3769.477+/-0.908 χ^2/NDF : 521900.8/11

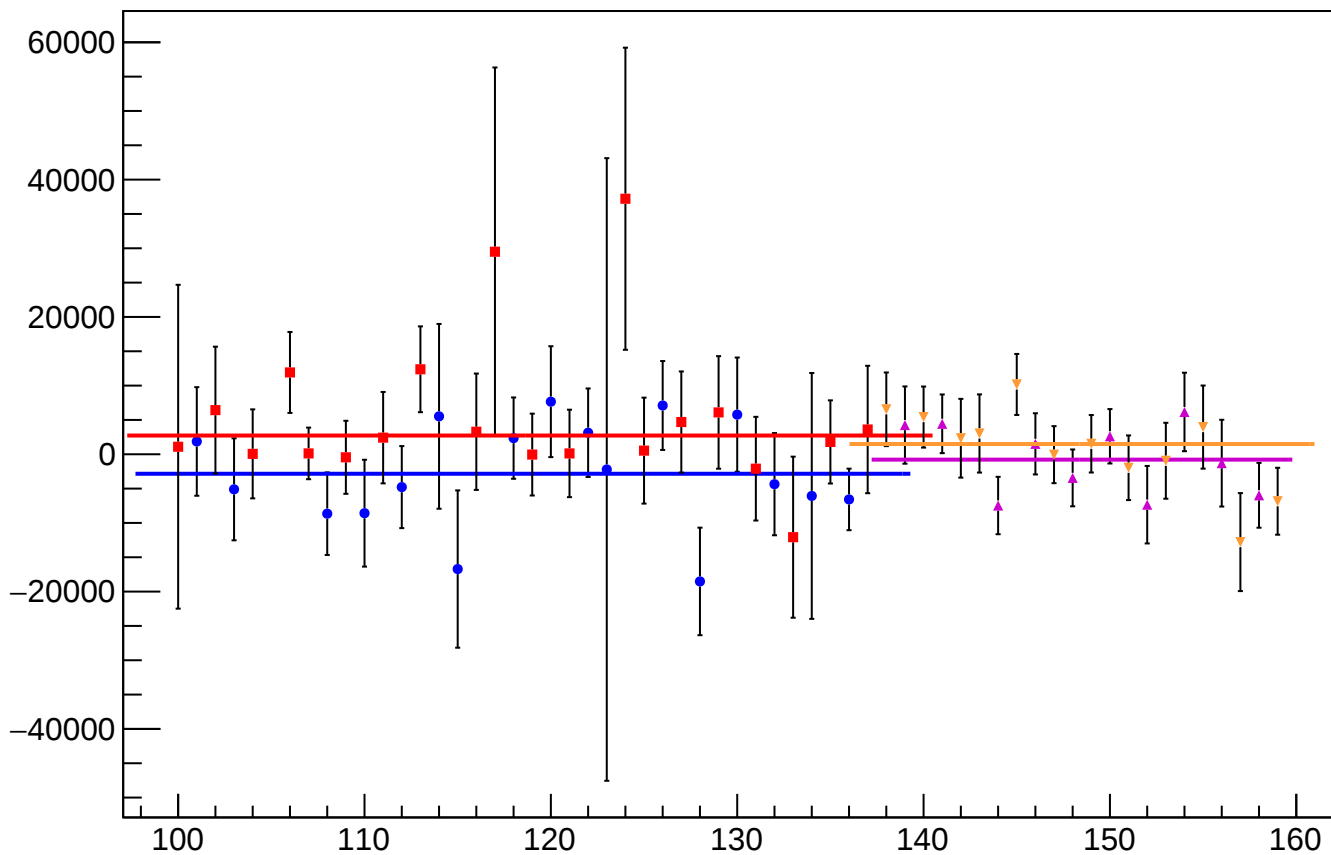
3857.719+/-0.705 χ^2/NDF : 1056424.0/28

Right Out: 607.234+/-0.321 χ^2/NDF : 10314440.1/19

933.484+/-0.304 χ^2/NDF : 20766493.8/29

Left In: 3756.899+/-0.944 χ^2/NDF : 464095.5/9

asym_atl1r2_dd_mean vs Slug



Right In: -2839.599 $\pm$ 1786.019 χ^2 /NDF: 15.4/16

Left Out: 1489.796 $\pm$ 1444.508 χ^2 /NDF:13.5/11

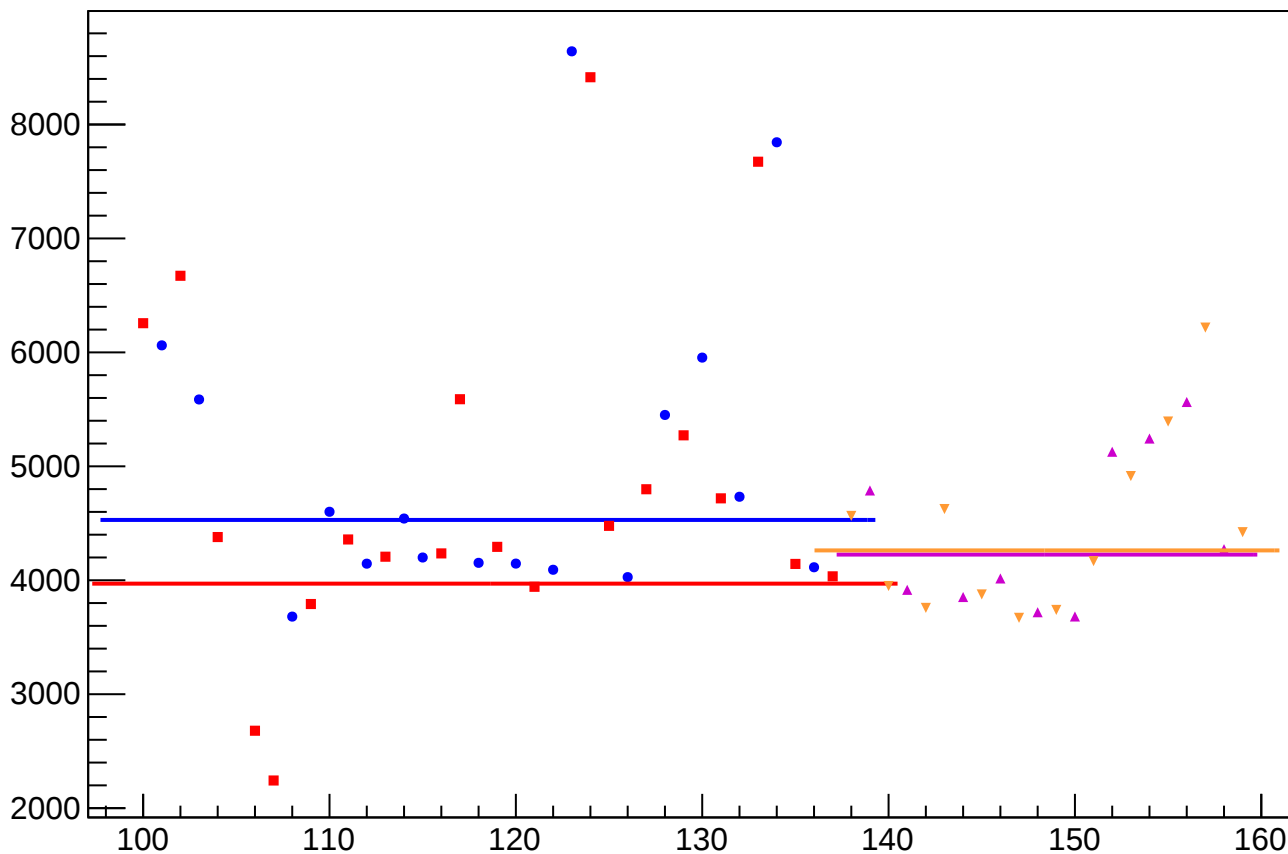
Right Out: 2729.311 $\pm$ 1572.398 χ^2 /NDF: 12.2/19

Left In: -781.956 $\pm$ 1494.017 χ^2 /NDF:10.3/9

-222.283 $\pm$ 1123.141 χ^2 /NDF: 32.5/28

883.984 $\pm$ 1083.079 χ^2 /NDF: 25.1/29

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462 ± 1.263 χ^2/NDF : 389326.2/16

Left Out: 4262.067 ± 1.021 χ^2/NDF : 377653.1/11

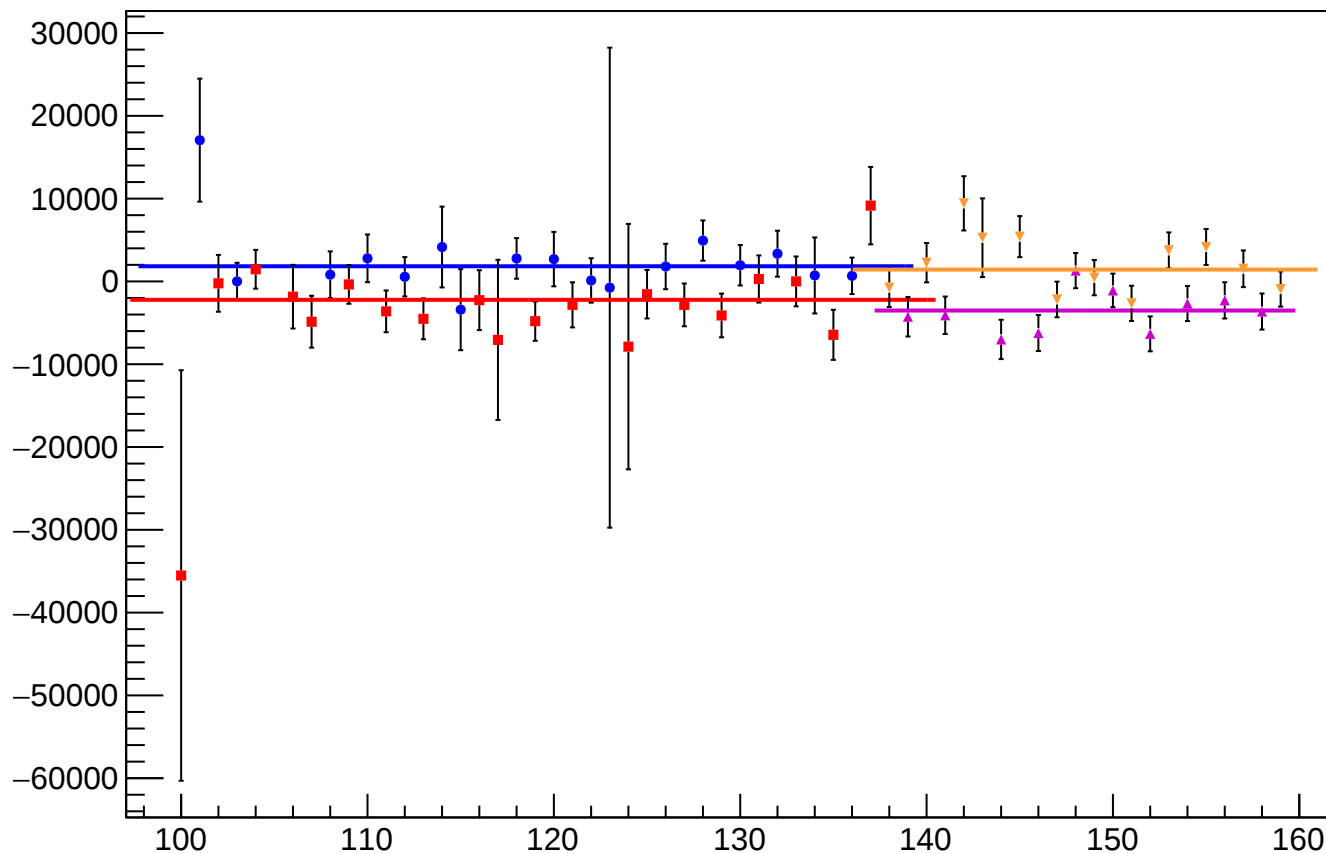
Right Out: 3970.336 ± 1.105 χ^2/NDF : 1147711.9/19

Left In: 4225.493 ± 1.056 χ^2/NDF : 322980.1/9

4367.809 ± 0.794 χ^2/NDF : 794080.6/28

4103.619 ± 0.764 χ^2/NDF : 1498555.8/29

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102 $\pm$ 711.335 χ^2 /NDF: 9.7/16

Left Out: 1428.176 $\pm$ 679.339 χ^2 /NDF: 20.8/11

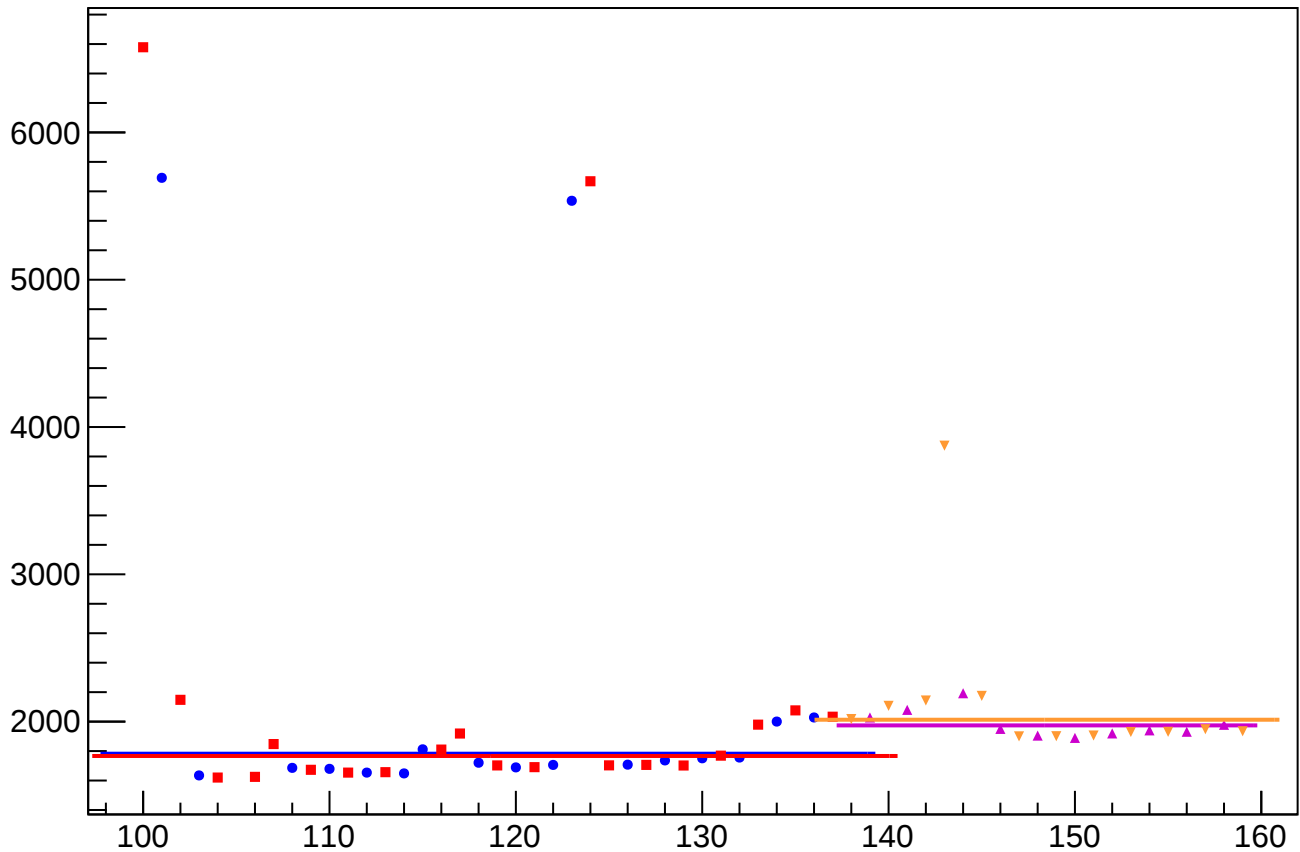
Right Out: -2222.274 $\pm$ 682.500 χ^2 /NDF: 18.6/19

Left In: -3516.125 $\pm$ 691.491 χ^2 /NDF: 12.7/9

1619.897 $\pm$ 491.287 χ^2 /NDF: 30.7/28

-2860.733 $\pm$ 485.748 χ^2 /NDF: 33.1/29

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2012.801+/-0.480 χ^2/NDF : 347652.1/11

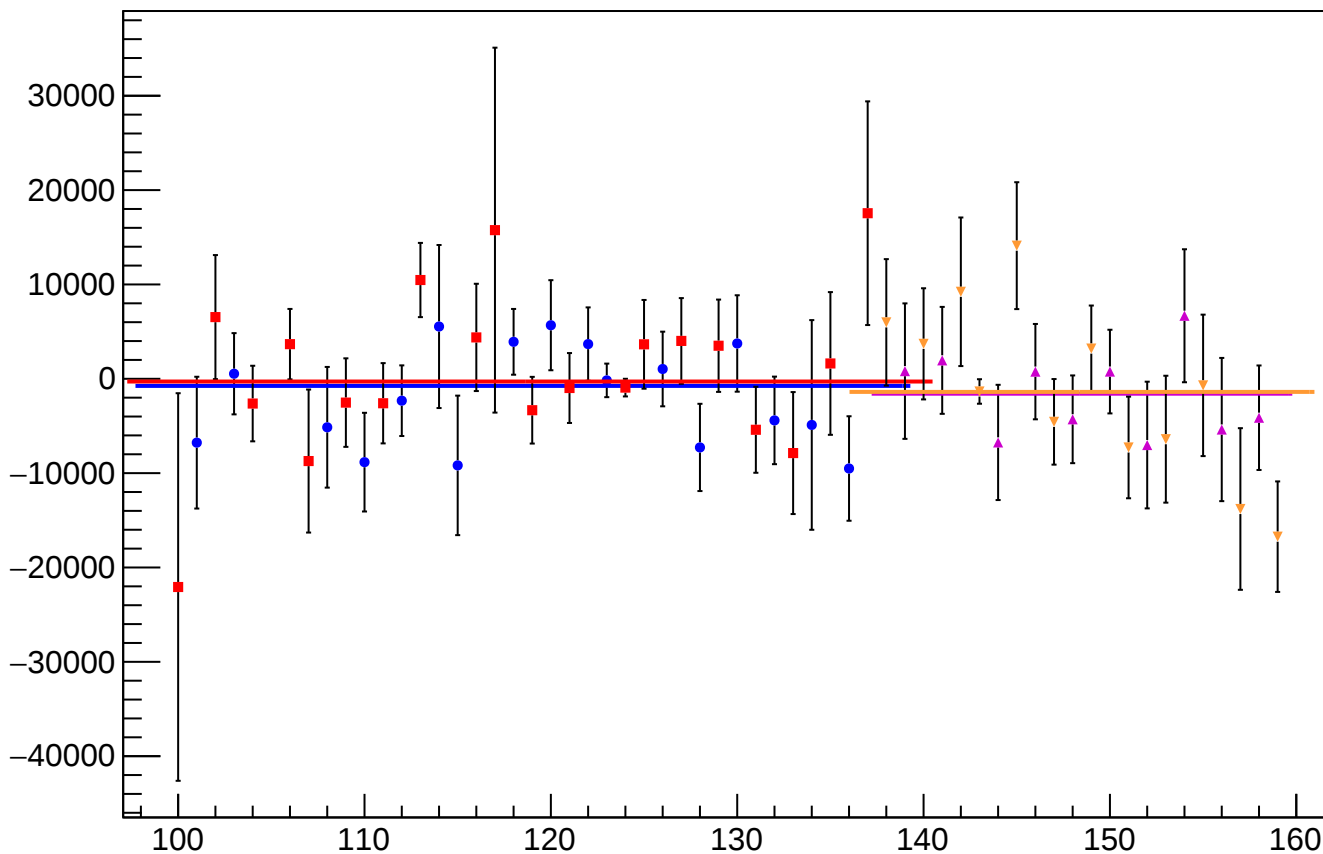
Right Out: 1766.719+/-0.479 χ^2/NDF : 307297.1/19

Left In: 1974.347+/-0.489 χ^2/NDF : 30765.0/9

1902.773+/-0.347 χ^2/NDF : 1102827.6/28

1868.465+/-0.342 χ^2/NDF : 430015.1/29

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428 ± 1008.523 $\chi^2/\text{NDF}: 16.9/16$

Left Out: -1388.726 ± 1056.564 $\chi^2/\text{NDF}: 21.3/11$

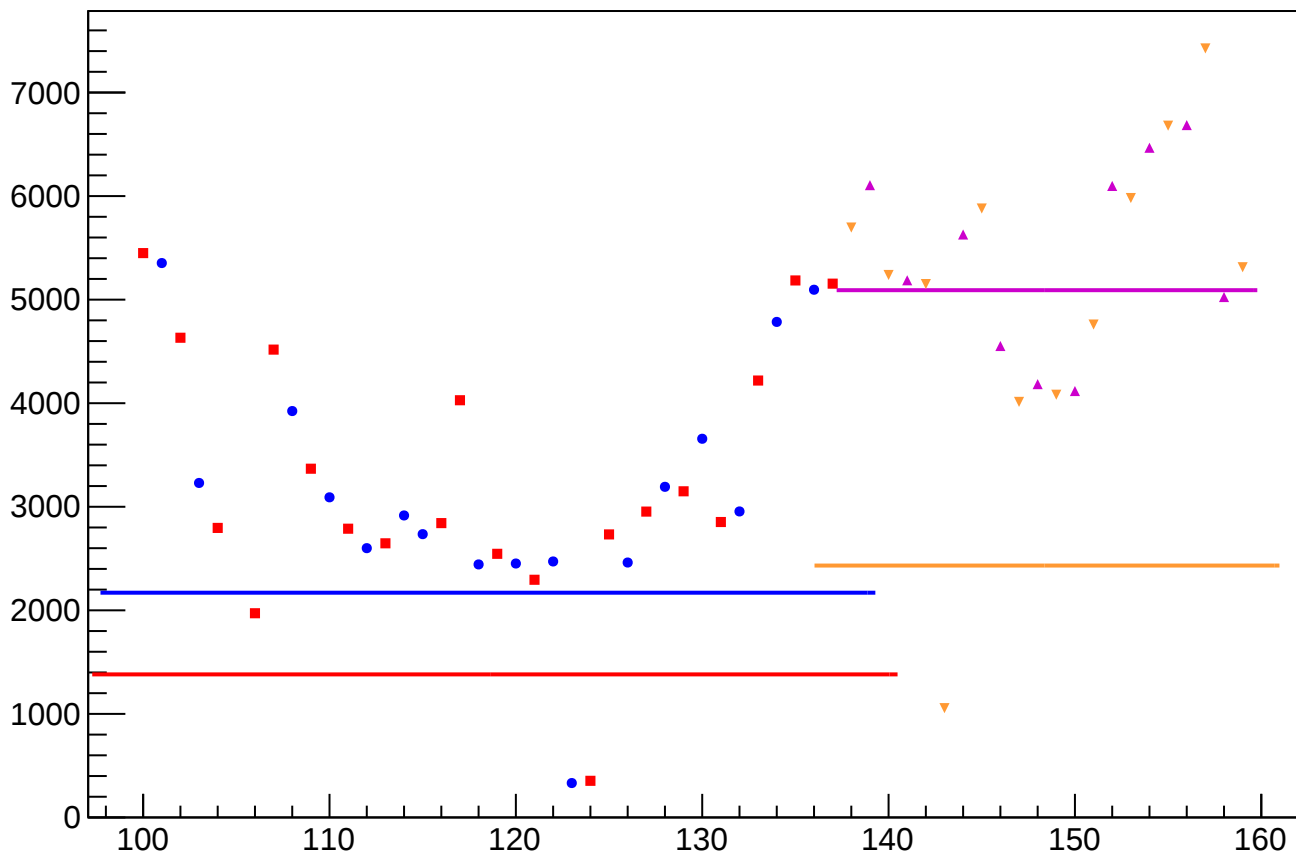
Right Out: -288.847 ± 724.622 $\chi^2/\text{NDF}: 22.7/19$

Left In: -1579.966 ± 1808.070 $\chi^2/\text{NDF}: 4.5/9$

-1056.306 ± 729.526 $\chi^2/\text{NDF}: 38.4/28$

-467.524 ± 672.616 $\chi^2/\text{NDF}: 27.7/29$

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 2432.380+/-0.747 χ^2/NDF : 7179101.7/11

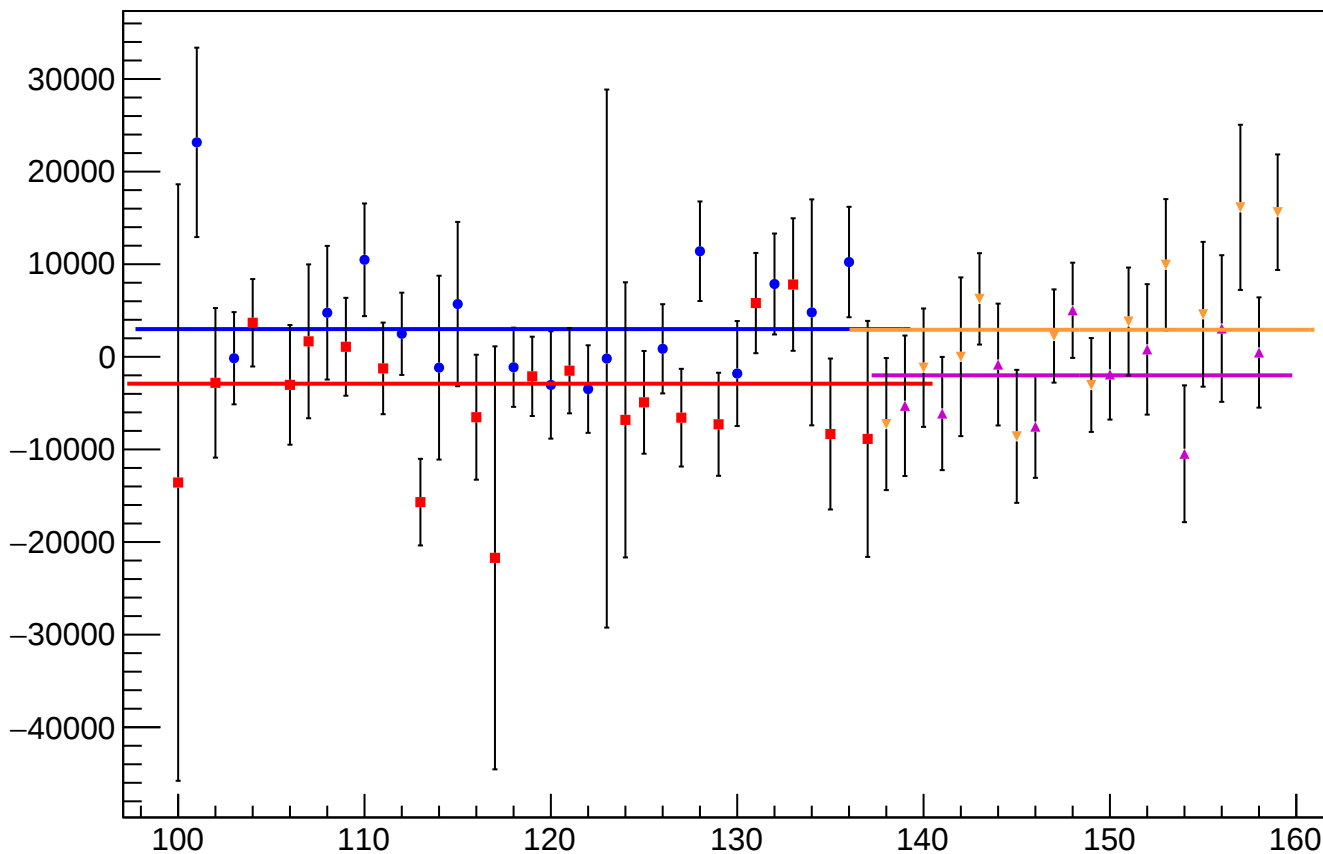
Right Out: 1381.438+/-0.512 χ^2/NDF : 6884822.3/19

Left In: 5091.380+/-1.278 χ^2/NDF : 460956.4/9

2295.216+/-0.516 χ^2/NDF : 11217245.7/28

1894.856+/-0.476 χ^2/NDF : 14600894.9/29

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 2922.658 $\pm$ 1824.072 χ^2 /NDF: 14.4/11

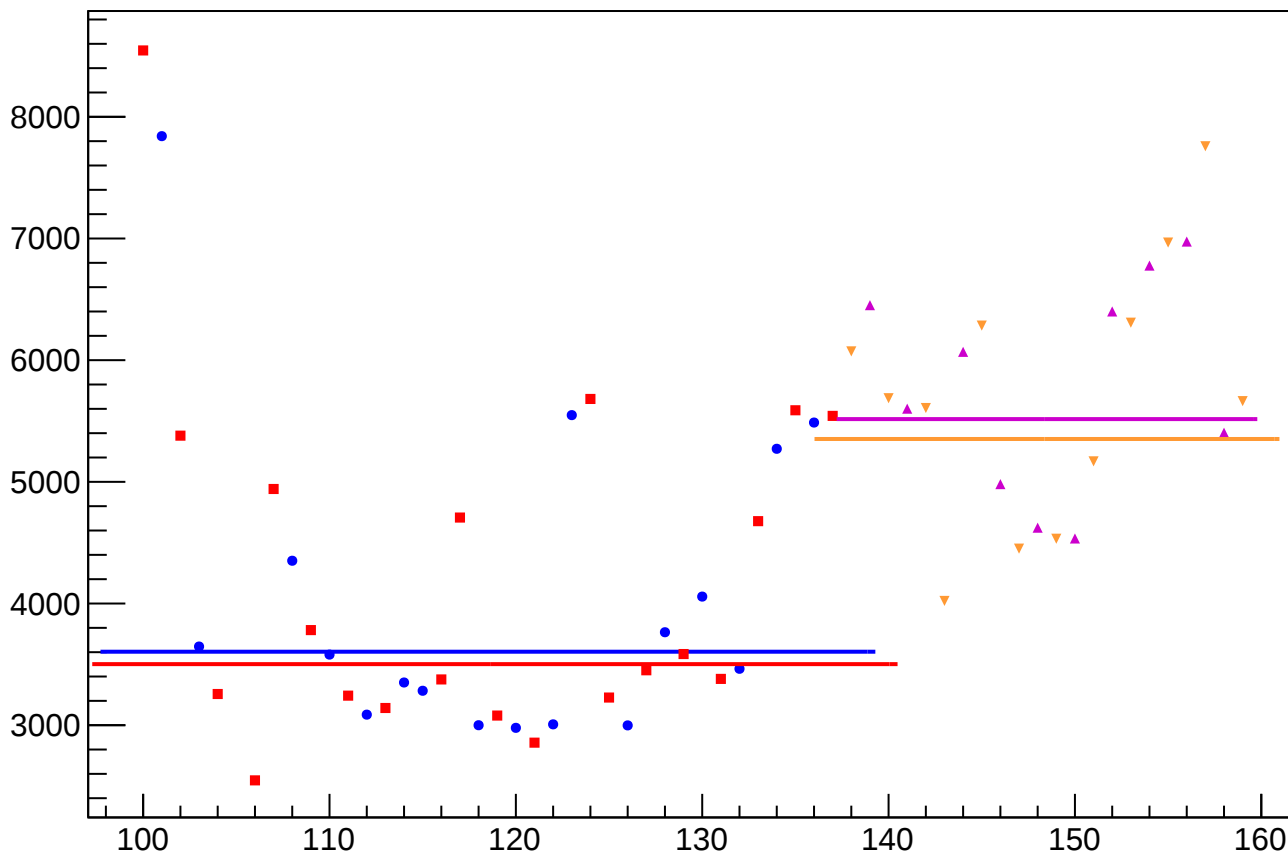
Right Out: -2901.985 $\pm$ 1376.603 χ^2 /NDF: 18.4/19

Left In: -2000.382 $\pm$ 1952.322 χ^2 /NDF: 5.6/9

2965.708 $\pm$ 1133.725 χ^2 /NDF: 30.1/28

-2602.582 $\pm$ 1125.049 χ^2 /NDF: 24.1/29

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930 ± 1.023 χ^2/NDF : 784674.5/16

Left Out: 5352.304 ± 1.290 χ^2/NDF : 597450.1/11

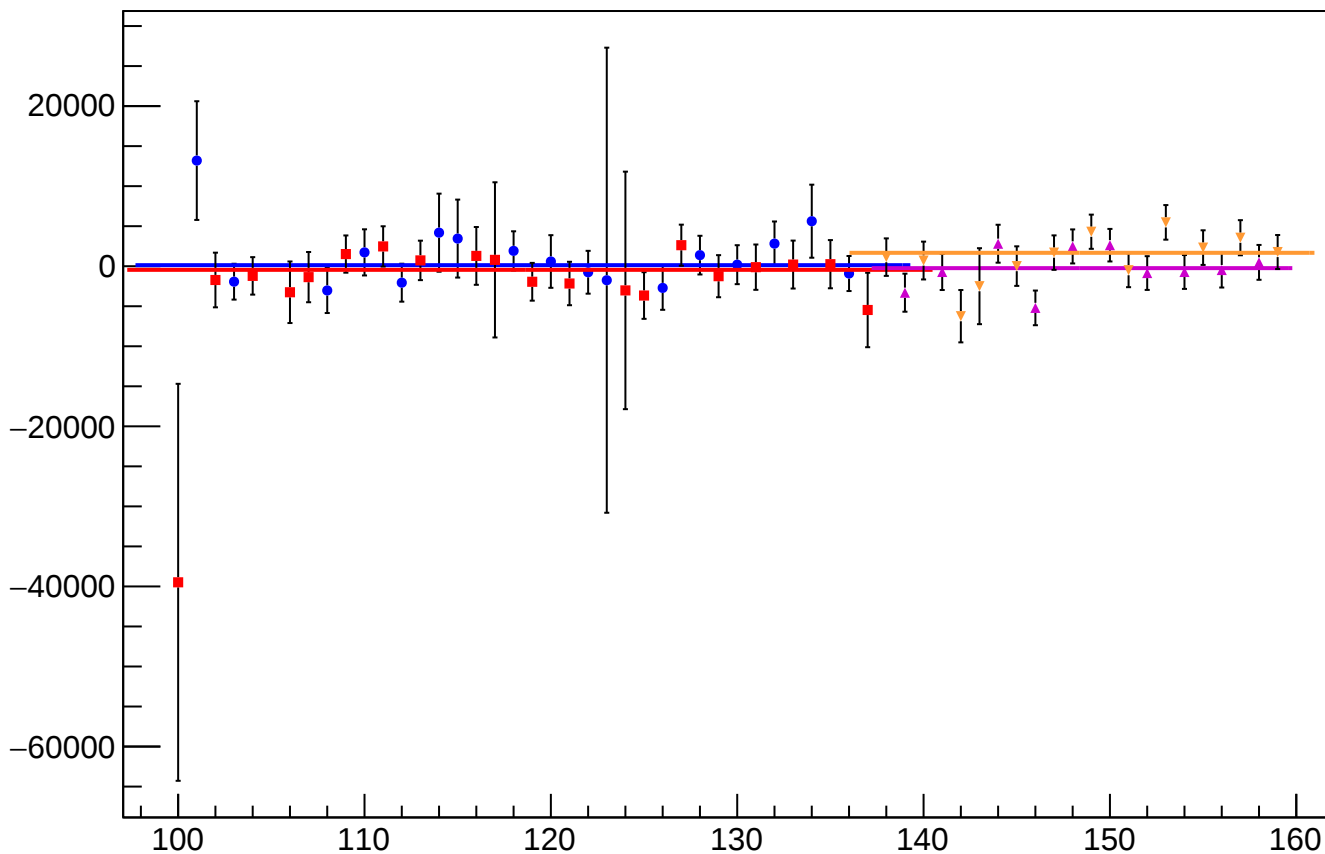
Right Out: 3501.857 ± 0.960 χ^2/NDF : 667483.1/19

Left In: 5515.737 ± 1.381 χ^2/NDF : 363223.6/9

4279.332 ± 0.802 χ^2/NDF : 2509760.6/28

4158.223 ± 0.788 χ^2/NDF : 2465220.5/29

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1673.725 $\pm$ 677.676 χ^2 /NDF:13.8/11

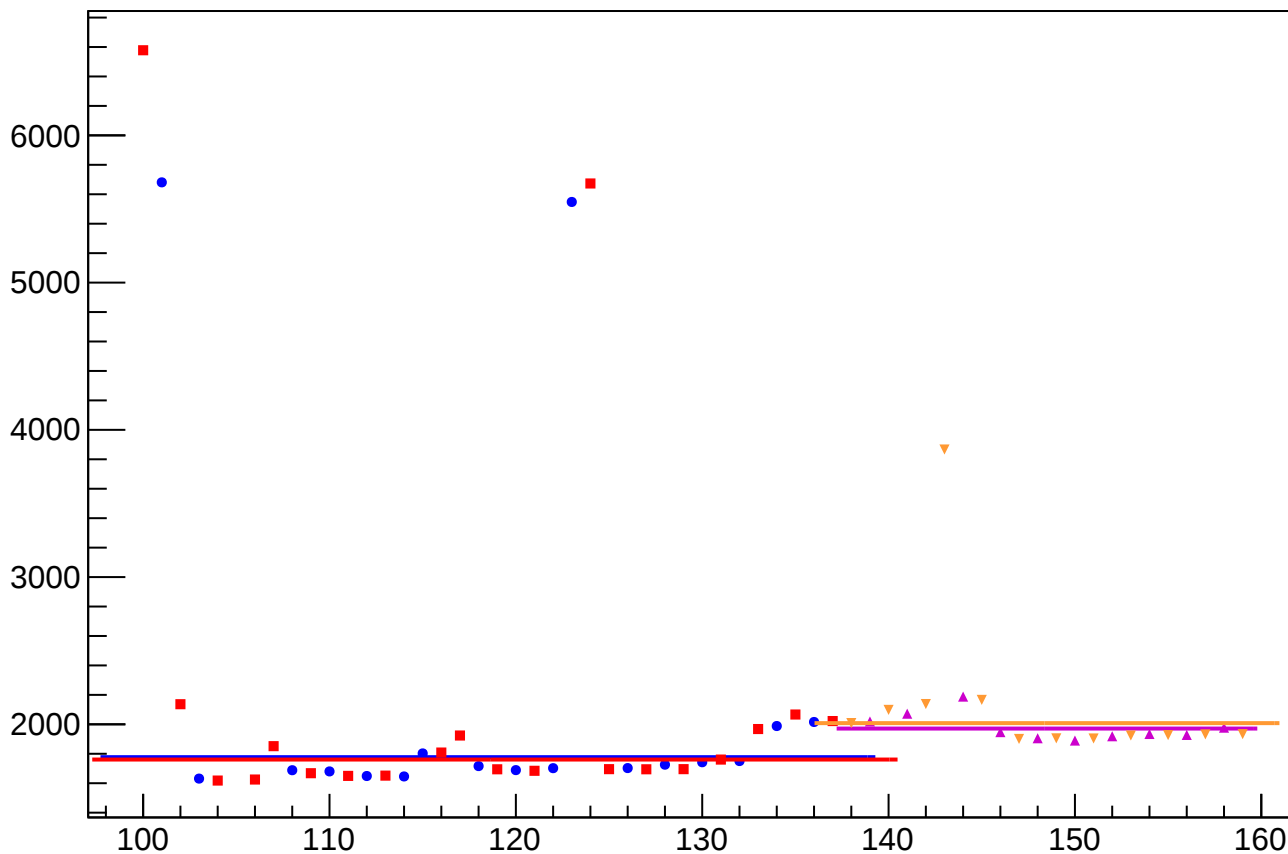
Right Out: -452.872 $\pm$ 680.160 χ^2 /NDF: 10.7/19

Left In: -240.387 $\pm$ 690.351 χ^2 /NDF:12.5/9

937.377 $\pm$ 489.957 χ^2 /NDF: 28.4/28

-348.209 $\pm$ 484.509 χ^2 /NDF: 23.3/29

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2 /NDF: 643576.8/16

Left Out: 2008.054+/-0.479 χ^2 /NDF: 346256.5/11

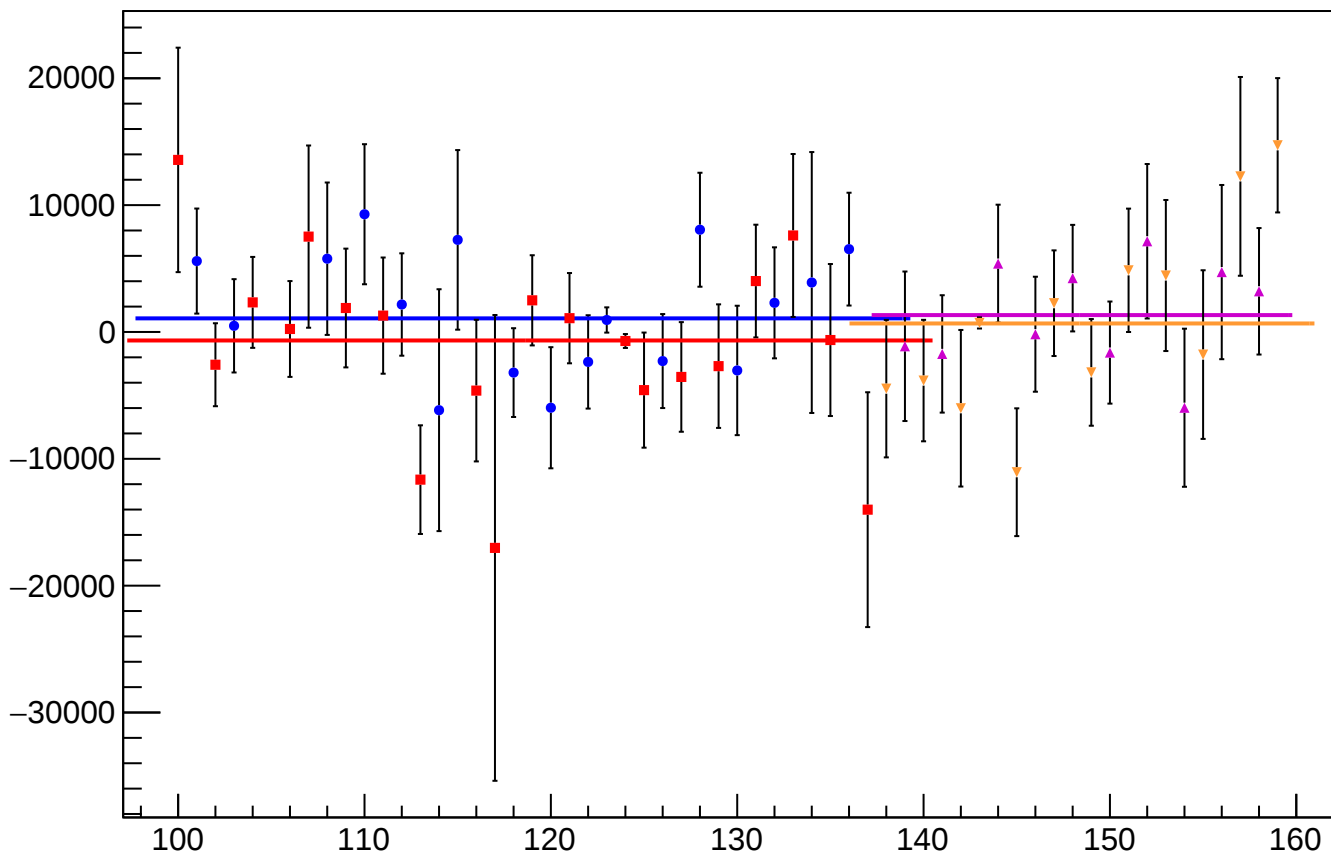
Right Out: 1760.787+/-0.478 χ^2 /NDF: 306724.5/19

Left In: 1971.196+/-0.488 χ^2 /NDF: 29655.8/9

1897.719+/-0.346 χ^2 /NDF: 1100914.0/28

1863.713+/-0.341 χ^2 /NDF: 431286.6/29

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 670.339+/-422.815 χ^2/NDF : 19.9/11

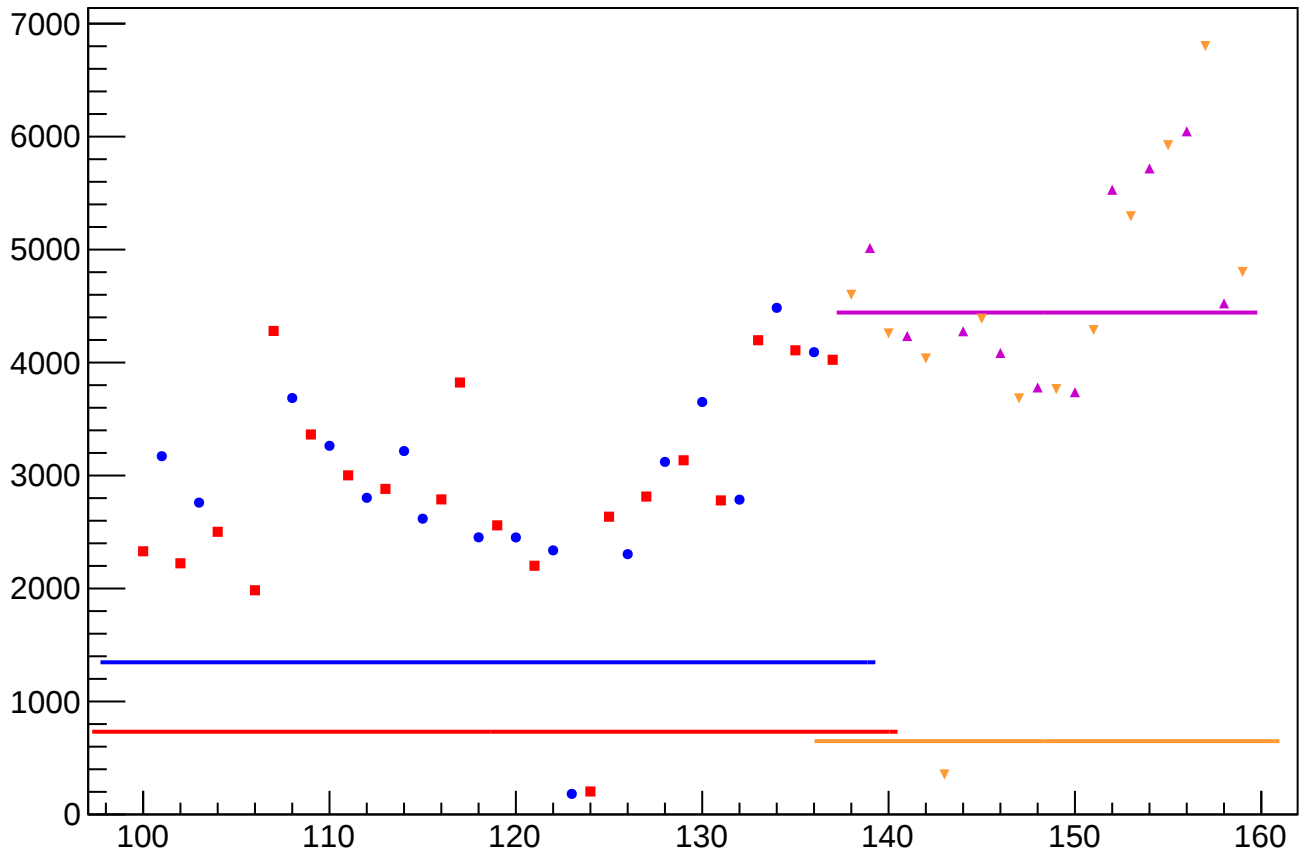
Right Out: -670.313+/-487.861 χ^2/NDF : 20.6/19

Left In: 1330.313+/-1574.989 χ^2/NDF : 5.2/9

766.808+/-368.587 χ^2/NDF : 35.7/28

-495.161+/-466.017 χ^2/NDF : 27.2/29

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 649.060+/-0.299 χ^2/NDF :13028091.9/11

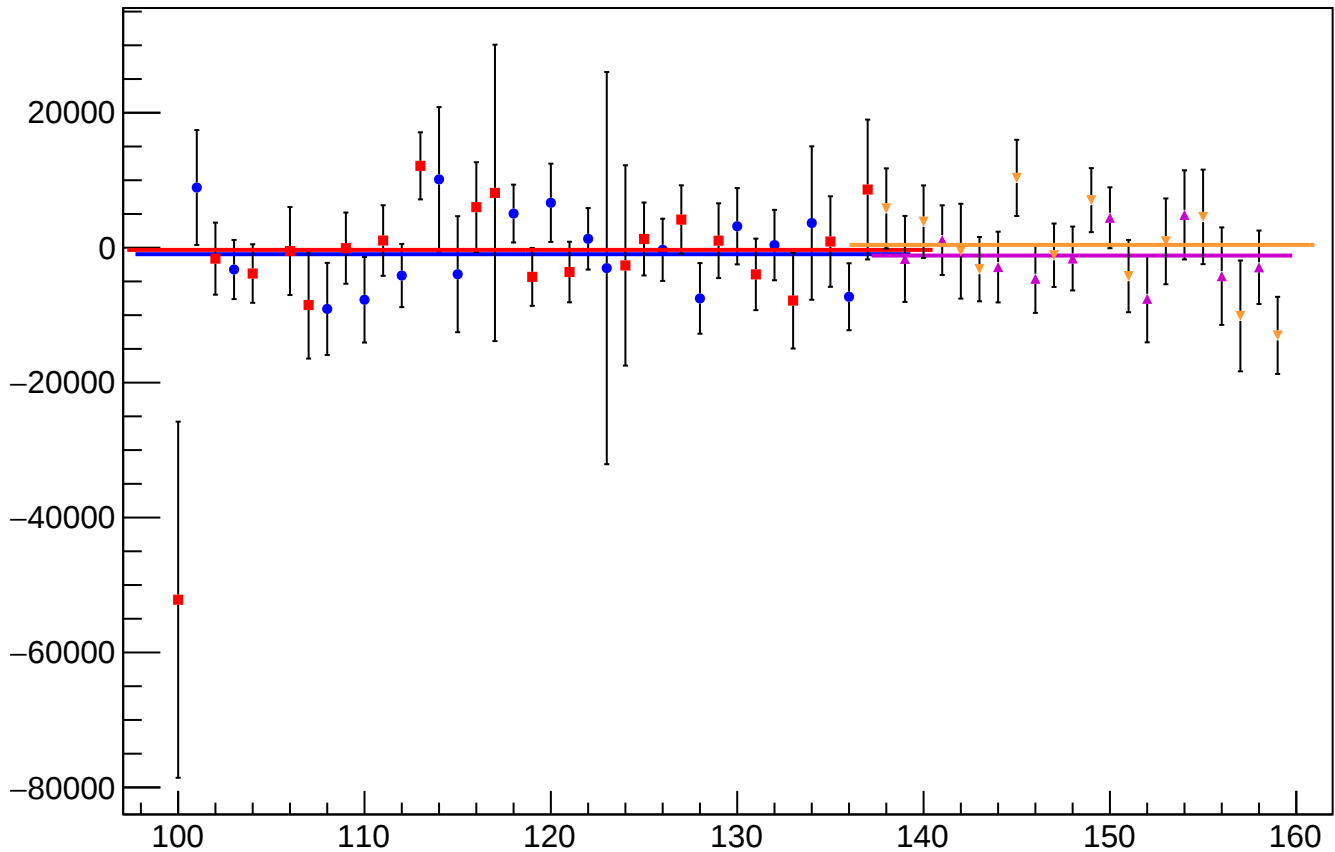
Right Out: 732.303+/-0.345 χ^2/NDF : 9559853.6/19

Left In: 4442.759+/-1.114 χ^2/NDF :406244.0/9

816.569+/-0.261 χ^2/NDF : 21174825.4/28

1057.148+/-0.330 χ^2/NDF : 20094466.5/29

asym_atr1l2_dd_mean vs Slug



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: 416.213 ± 1636.124 χ^2/NDF : 15.2/11

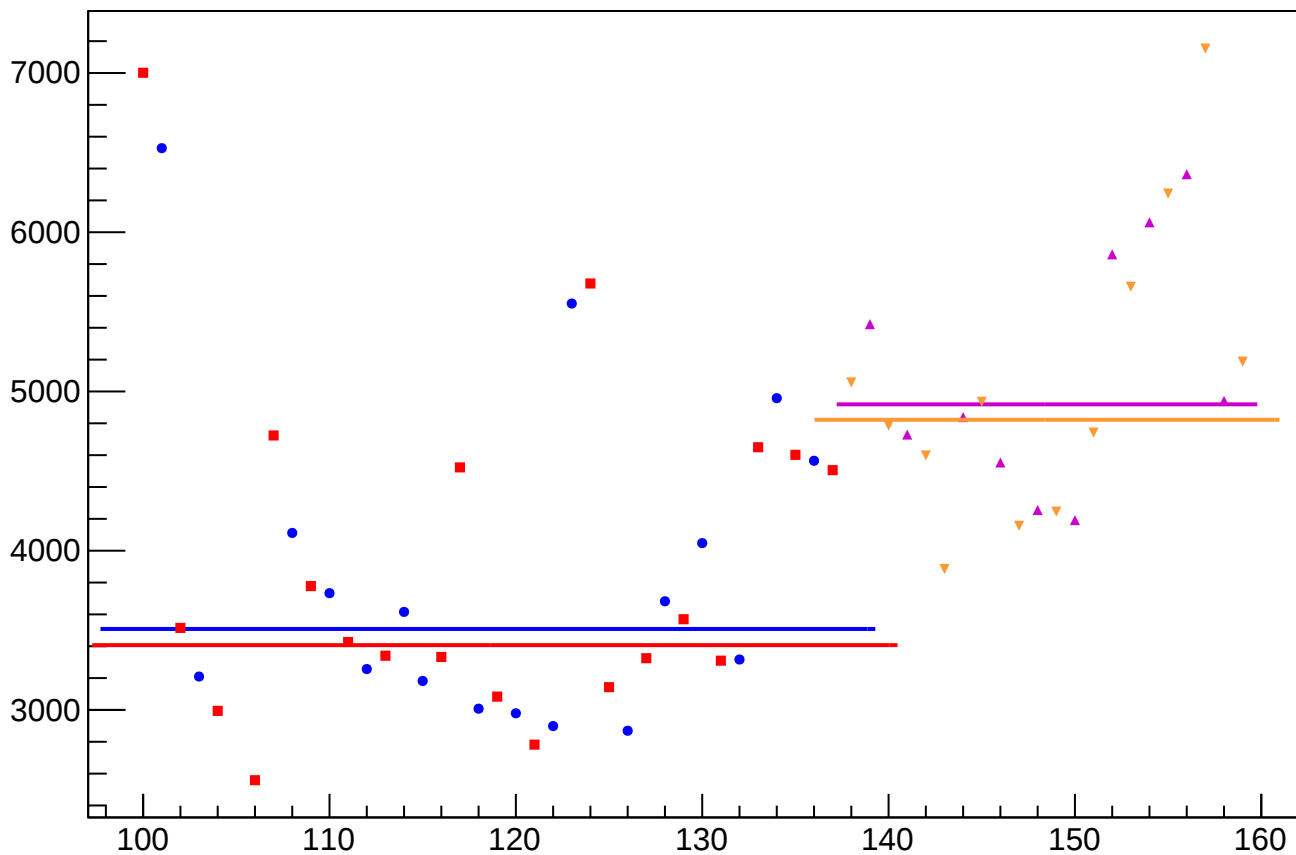
Right Out: -323.694 ± 1327.331 χ^2/NDF : 17.8/19

Left In: -1165.136 ± 1737.533 χ^2/NDF : 4.4/9

-382.784 ± 1061.805 χ^2/NDF : 29.4/28

-633.778 ± 1054.777 χ^2/NDF : 22.3/29

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483 ± 0.987 χ^2/NDF : 562197.7/16

Left Out: 4822.151 ± 1.157 χ^2/NDF : 439692.2/11

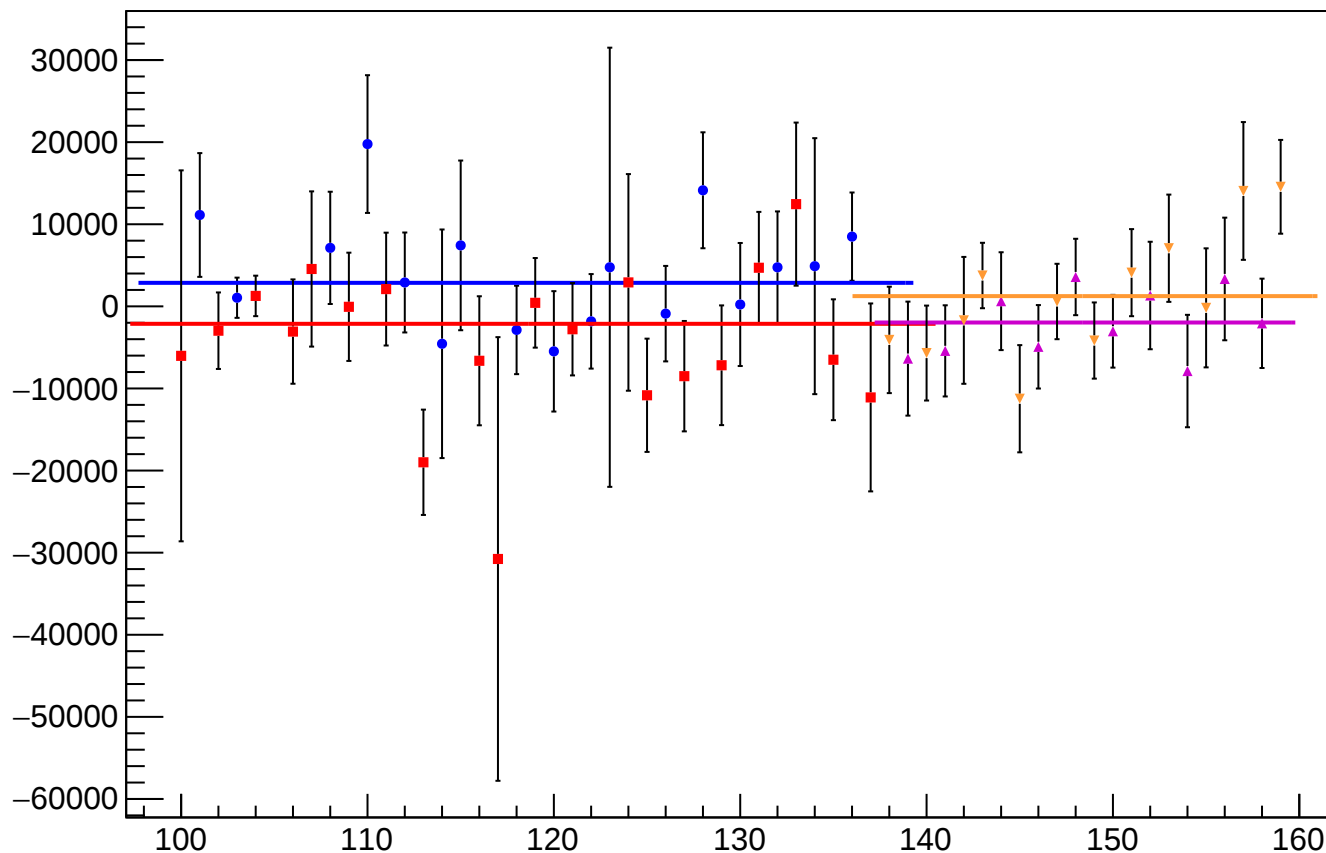
Right Out: 3406.868 ± 0.926 χ^2/NDF : 433737.9/19

Left In: 4919.128 ± 1.229 χ^2/NDF : 299884.8/9

4061.757 ± 0.751 χ^2/NDF : 1748205.5/28

3955.053 ± 0.740 χ^2/NDF : 1699453.2/29

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 1246.521+/-1635.866 χ^2/NDF : 16.6/11

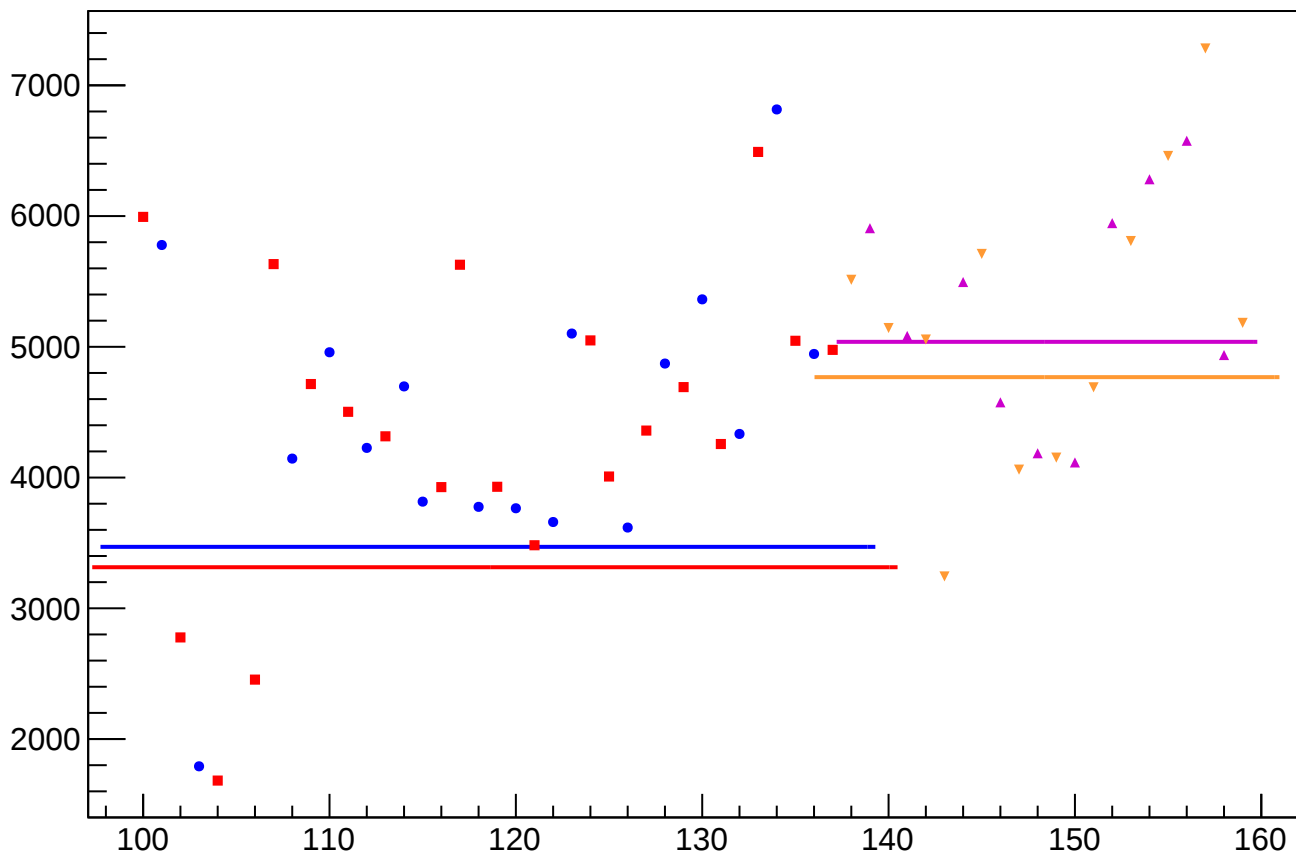
Right Out: -2126.105+/-1379.774 χ^2/NDF : 18.8/19

Left In: -1968.331+/-1785.752 χ^2/NDF : 4.3/9

2151.302+/-1086.206 χ^2/NDF : 31.2/28

-2067.125+/-1091.831 χ^2/NDF : 23.1/29

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 4768.058 $\pm$ 1.157 χ^2 /NDF: 804971.4/11

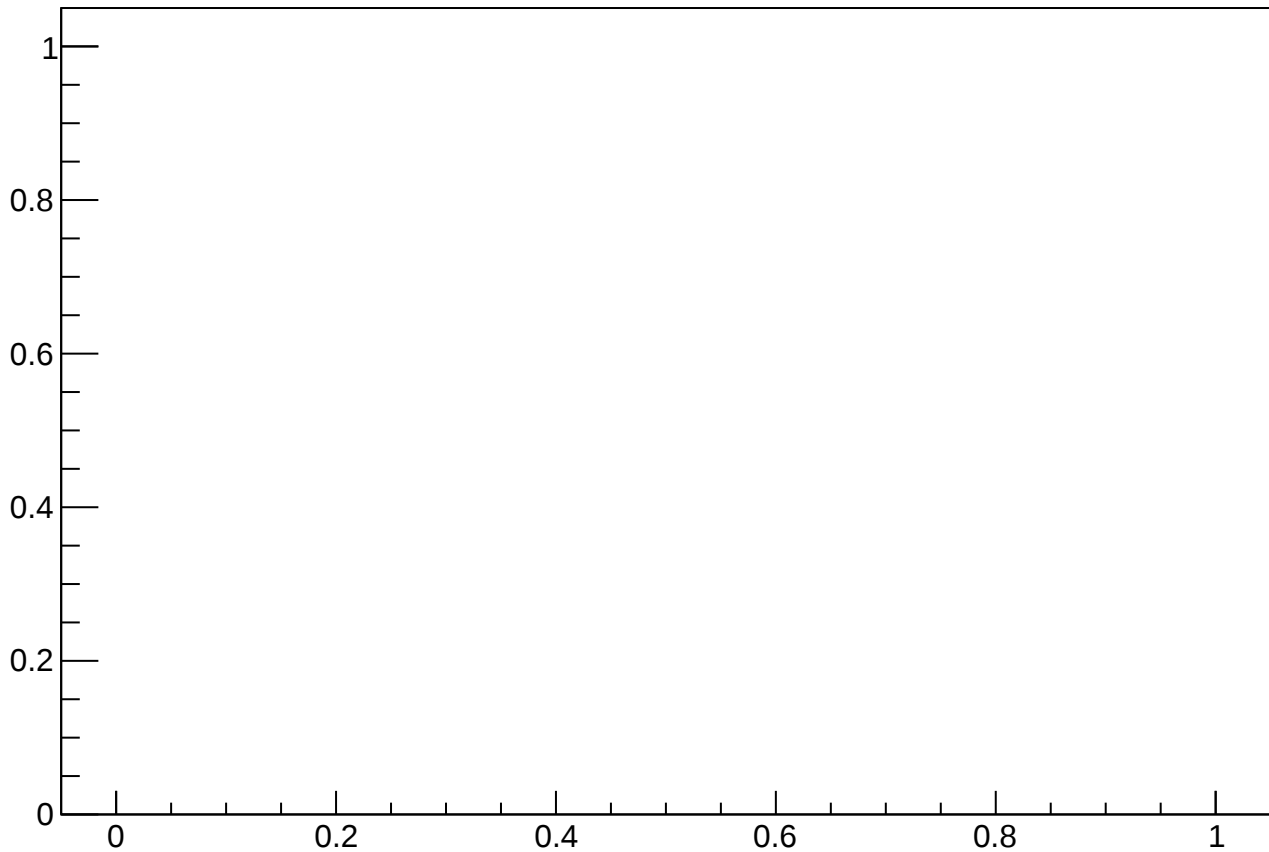
Right Out: 3314.183 $\pm$ 0.967 χ^2 /NDF: 1925484.9/19

Left In: 5038.105 $\pm$ 1.263 χ^2 /NDF: 403610.9/9

4042.307 $\pm$ 0.768 χ^2 /NDF: 3269879.7/28

3951.258 $\pm$ 0.768 χ^2 /NDF: 3504193.7/29

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



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

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

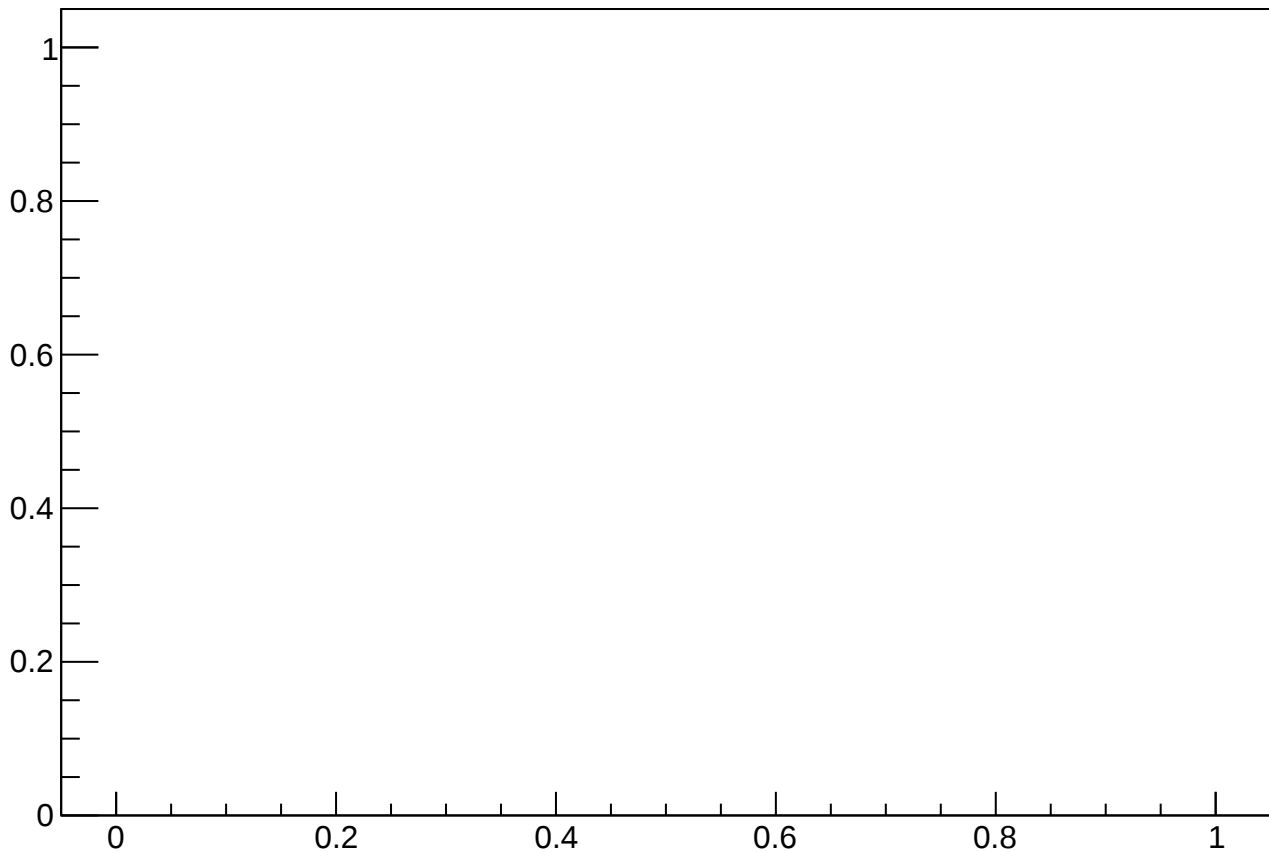
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



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

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

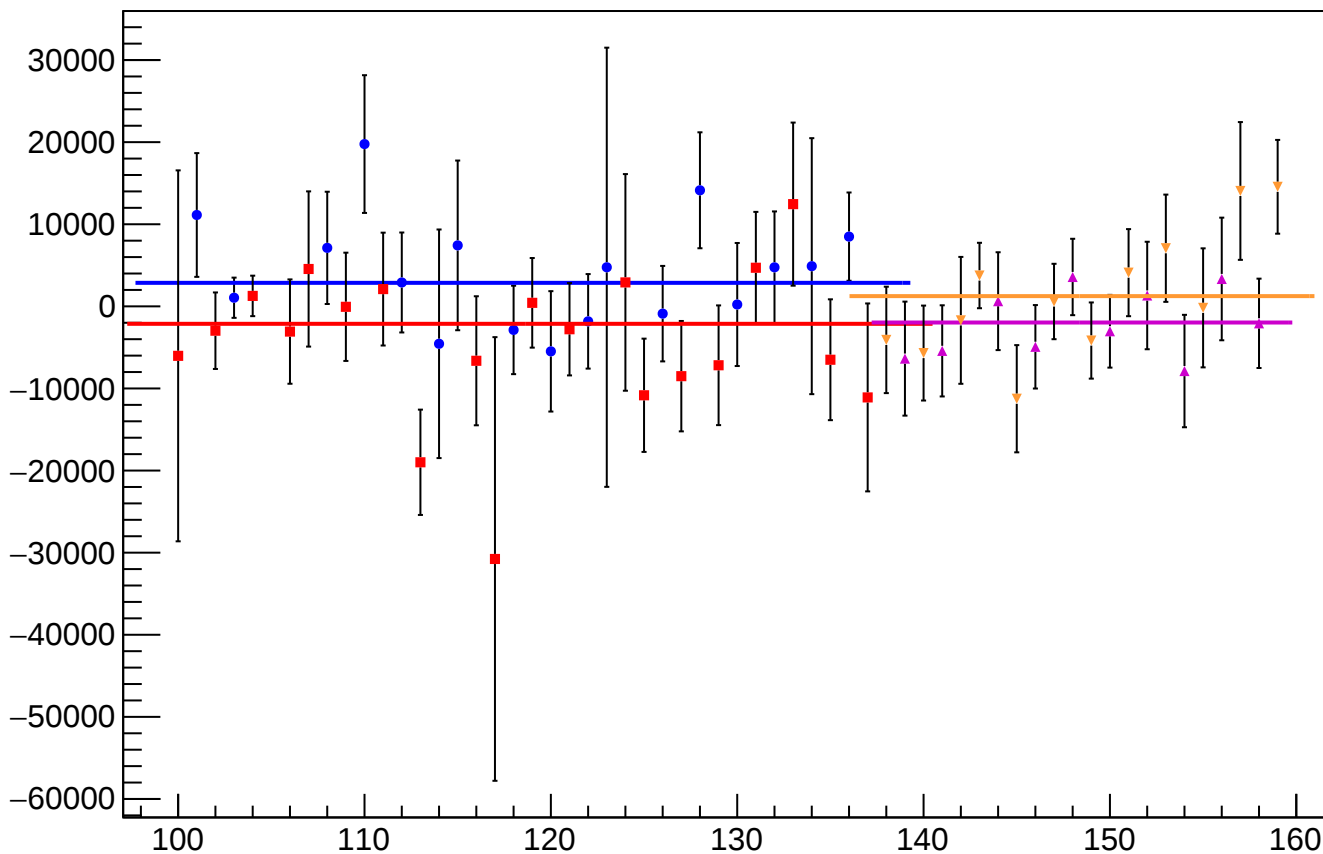
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 1246.521+/-1635.866 χ^2/NDF : 16.6/11

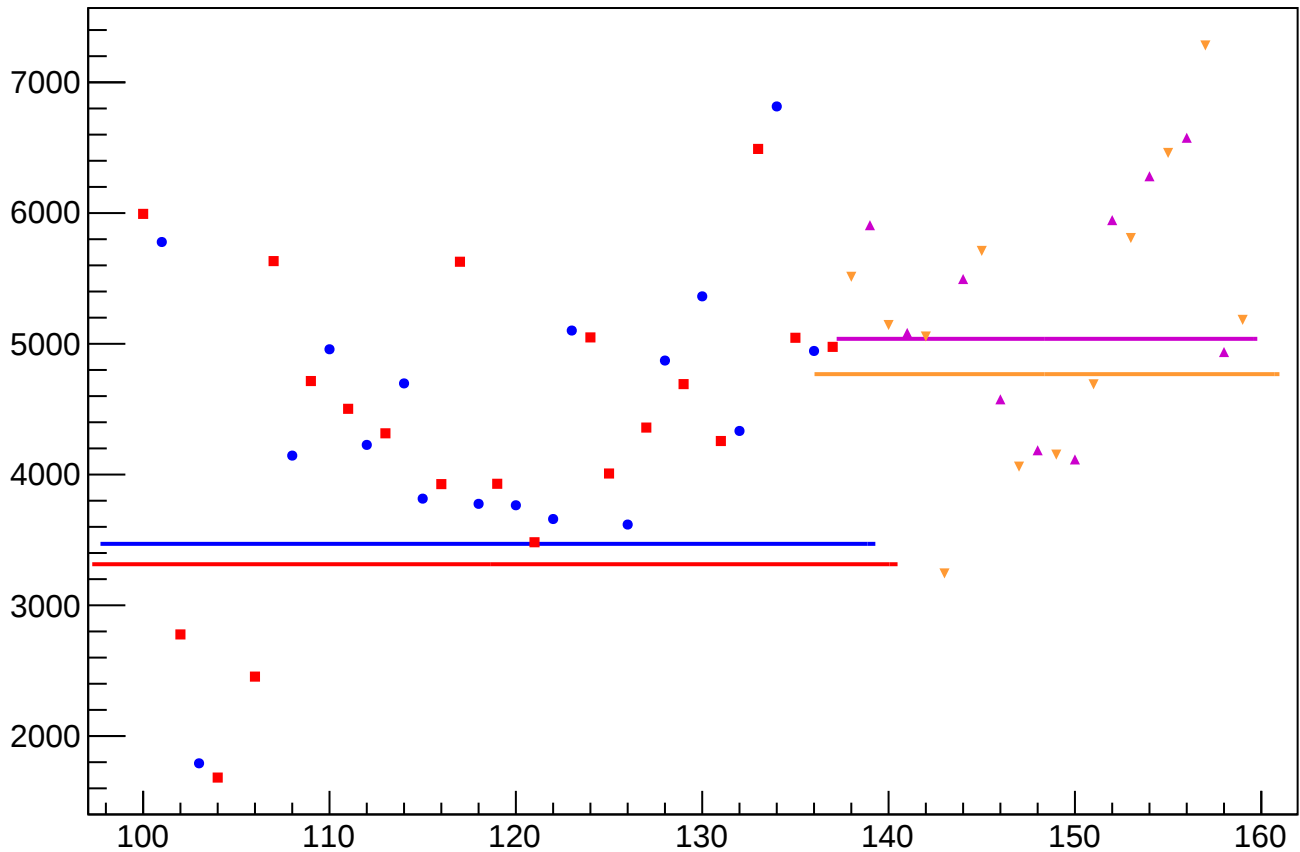
Right Out: -2126.105+/-1379.774 χ^2/NDF : 18.8/19

Left In: -1968.331+/-1785.752 χ^2/NDF : 4.3/9

2151.302+/-1086.206 χ^2/NDF : 31.2/28

-2067.125+/-1091.831 χ^2/NDF : 23.1/29

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 4768.058+/-1.157 χ^2/NDF : 804971.4/11

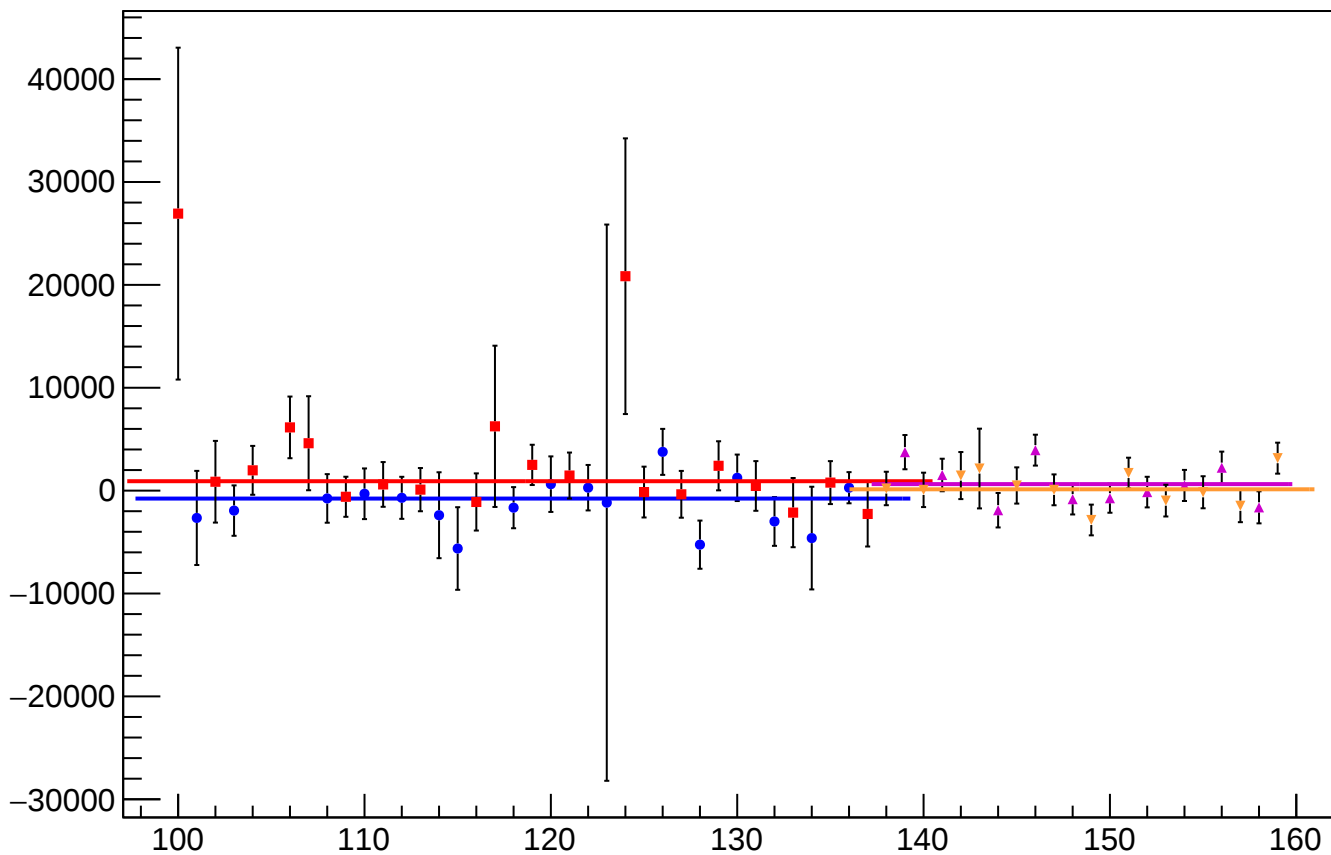
Right Out: 3314.183+/-0.967 χ^2/NDF : 1925484.9/19

Left In: 5038.105+/-1.263 χ^2/NDF : 403610.9/9

4042.307+/-0.768 χ^2/NDF : 3269879.7/28

3951.258+/-0.768 χ^2/NDF : 3504193.7/29

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 129.282+/-480.716 χ^2/NDF : 11.4/11

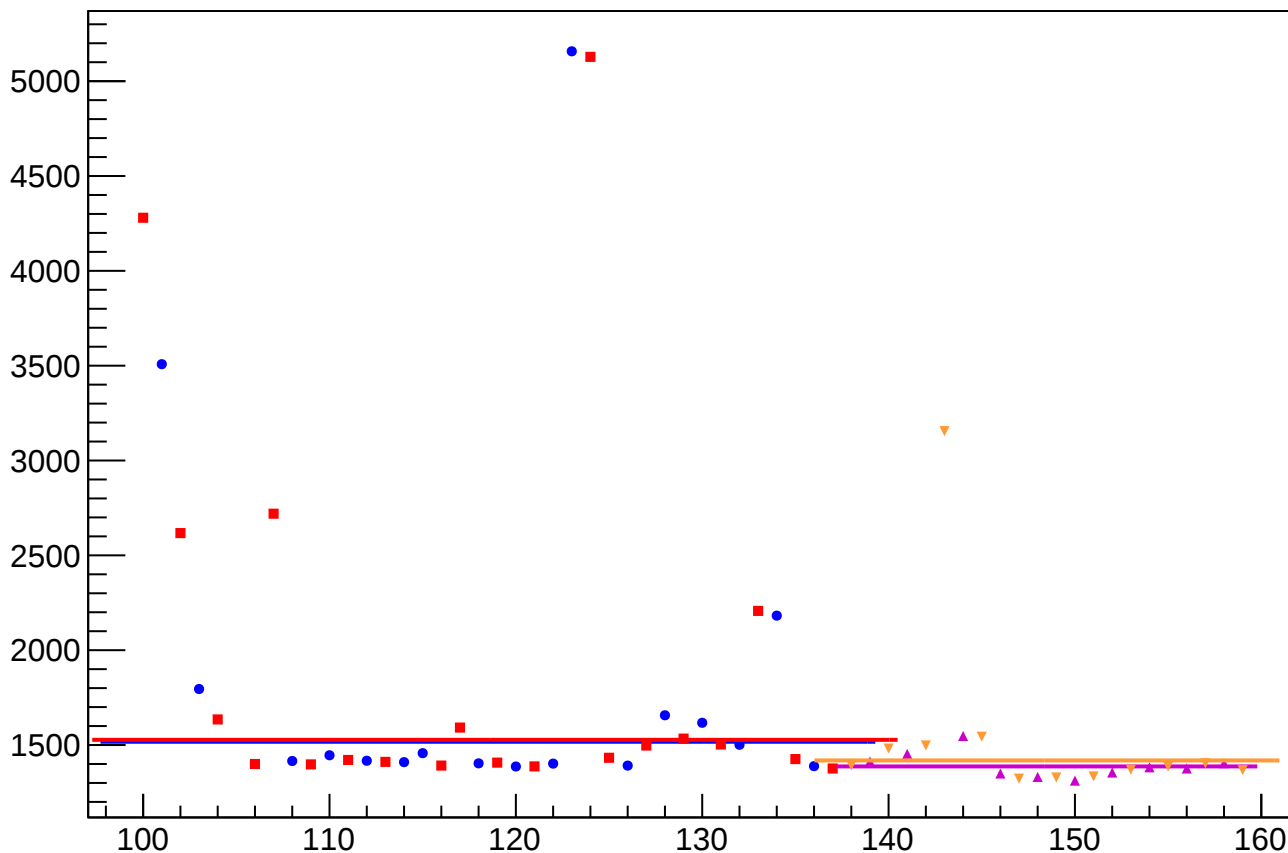
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 633.929+/-486.404 χ^2/NDF : 16.3/9

-220.121+/-376.054 χ^2/NDF : 26.0/28

747.256+/-376.164 χ^2/NDF : 30.4/29

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1418.722+/-0.340 χ^2/NDF : 444325.5/11

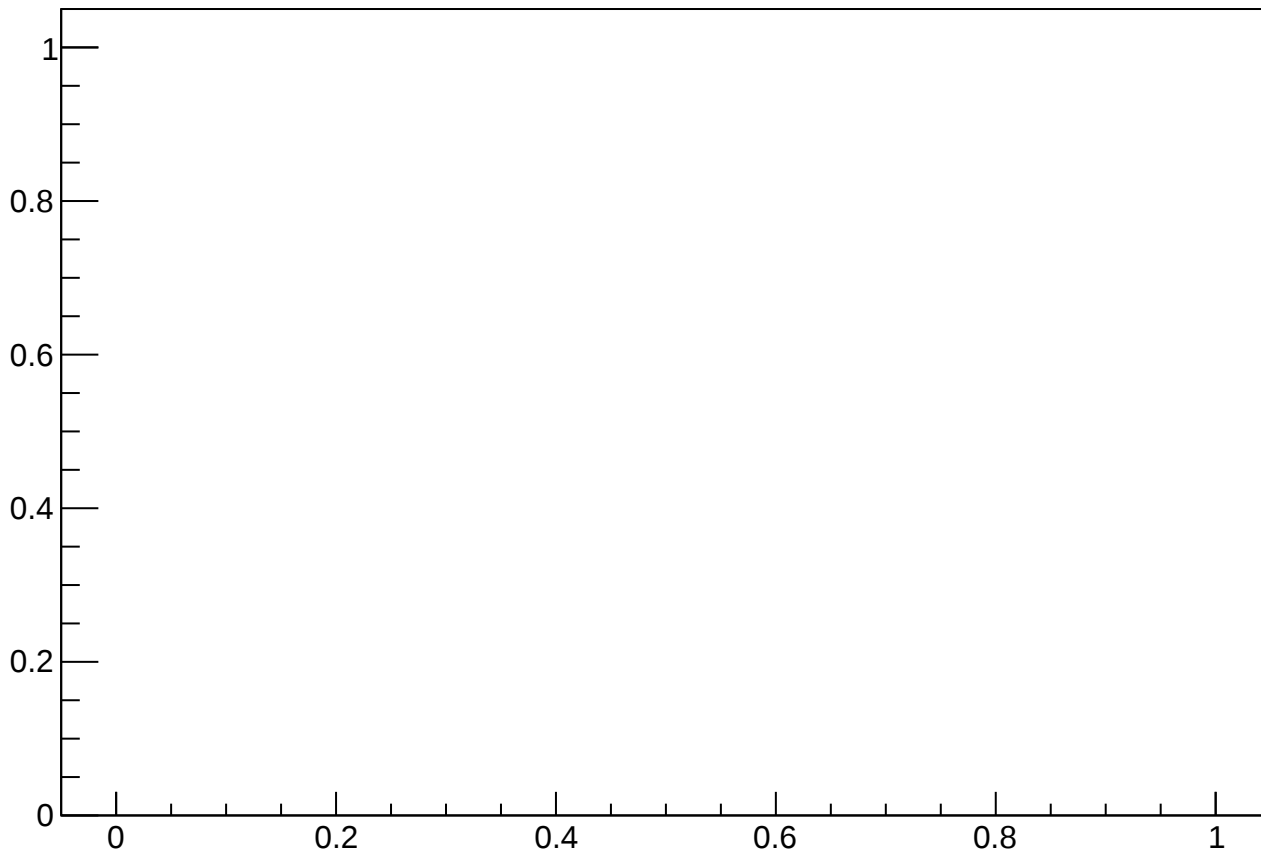
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1387.140+/-0.344 χ^2/NDF : 33282.7/9

1456.987+/-0.266 χ^2/NDF : 1013646.3/28

1443.505+/-0.266 χ^2/NDF : 731923.3/29

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



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

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

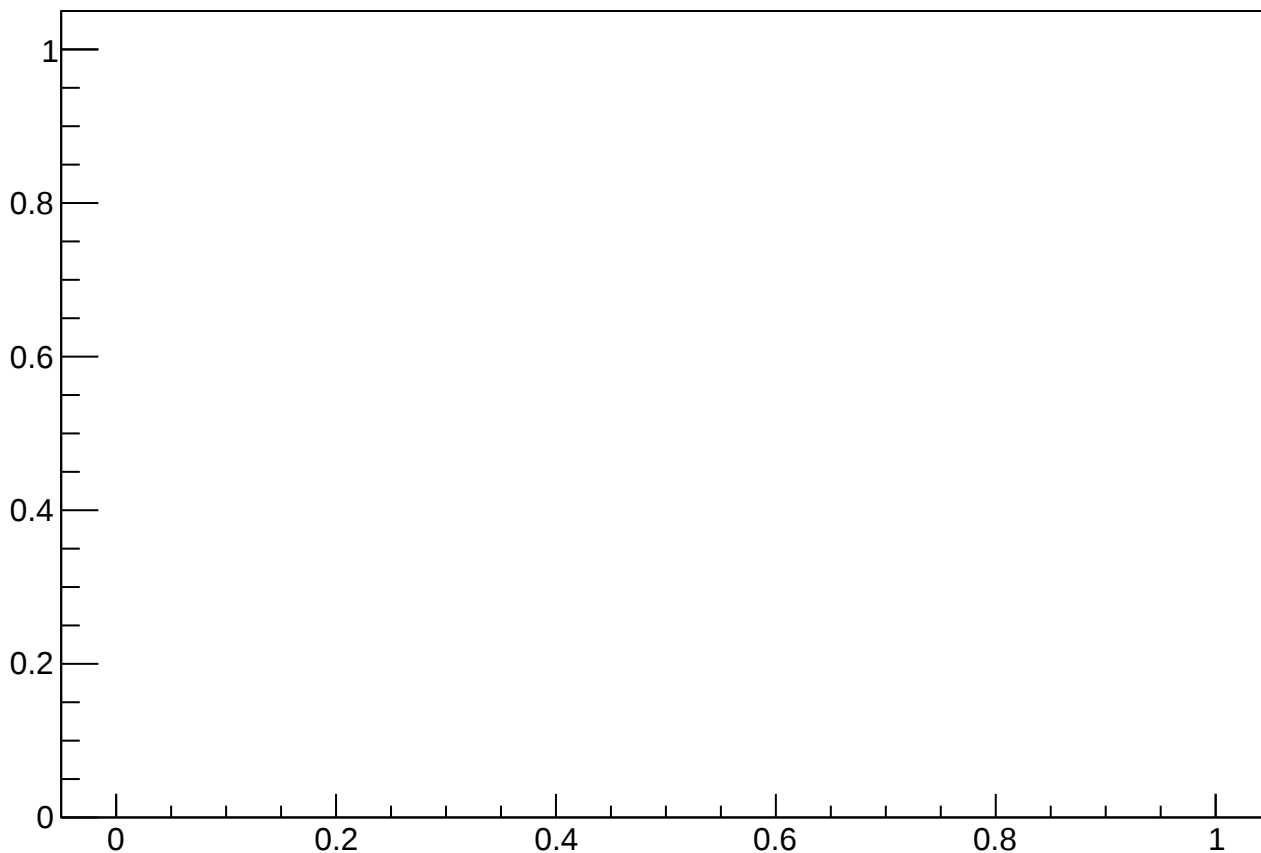
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



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

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

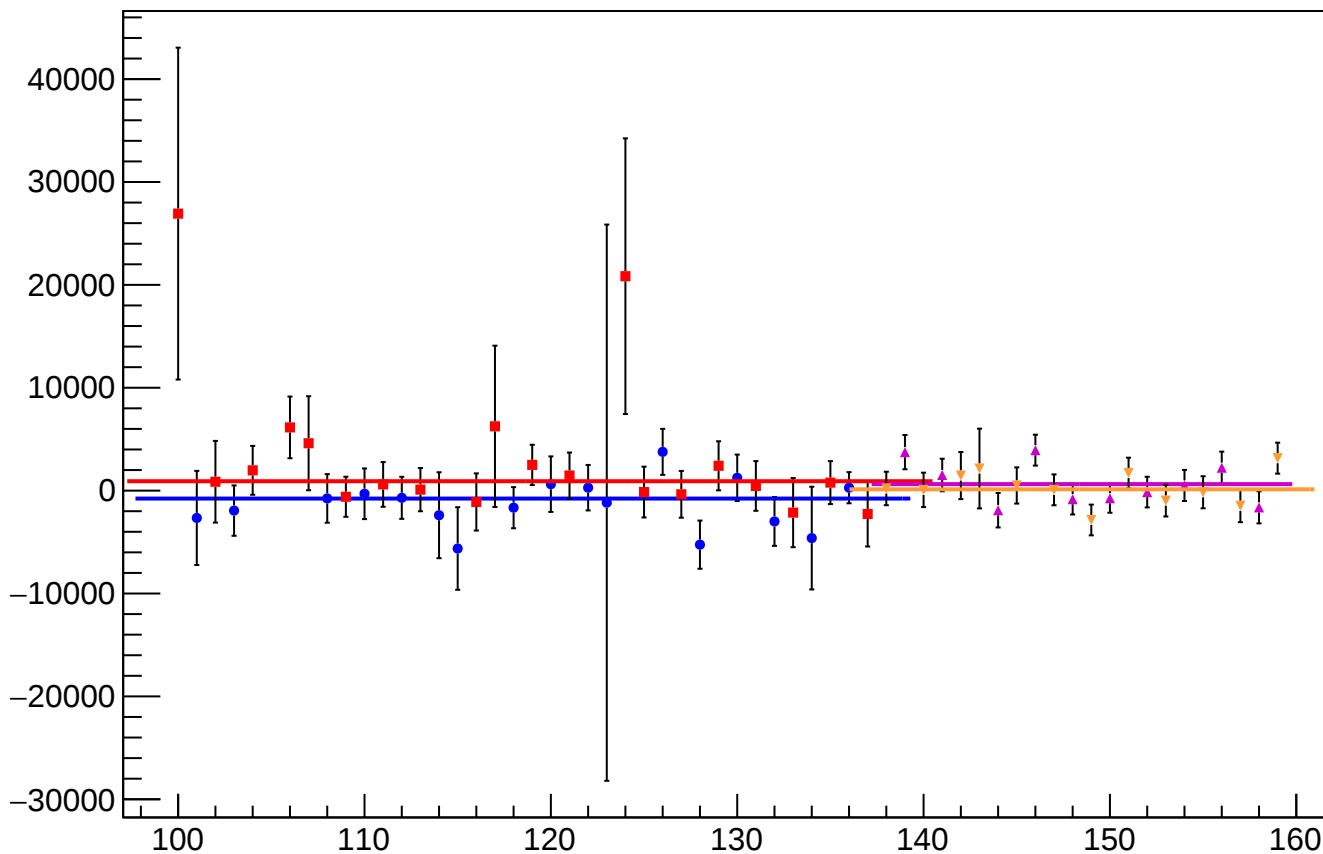
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 129.282+/-480.716 χ^2/NDF : 11.4/11

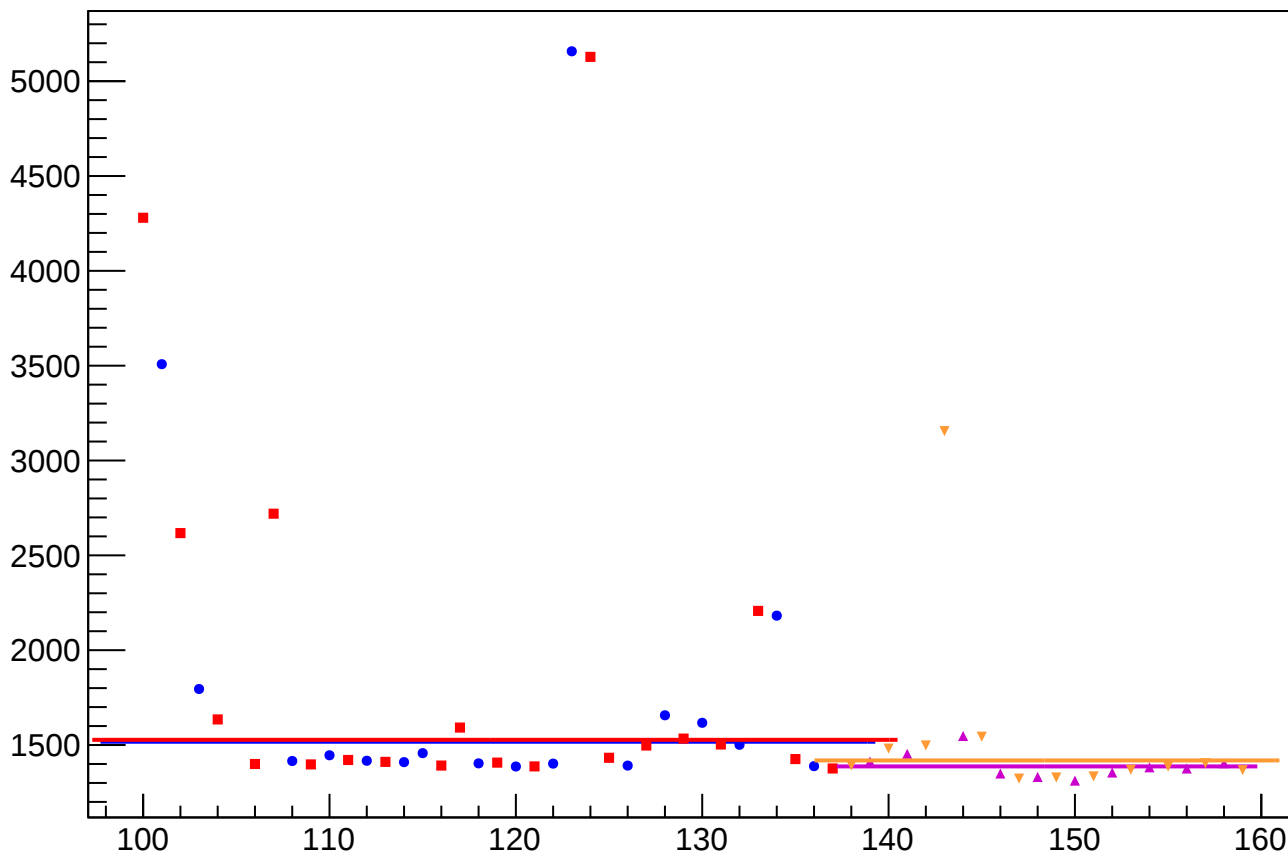
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 633.929+/-486.404 χ^2/NDF : 16.3/9

-220.121+/-376.054 χ^2/NDF : 26.0/28

747.256+/-376.164 χ^2/NDF : 30.4/29

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1418.722+/-0.340 χ^2/NDF : 444325.5/11

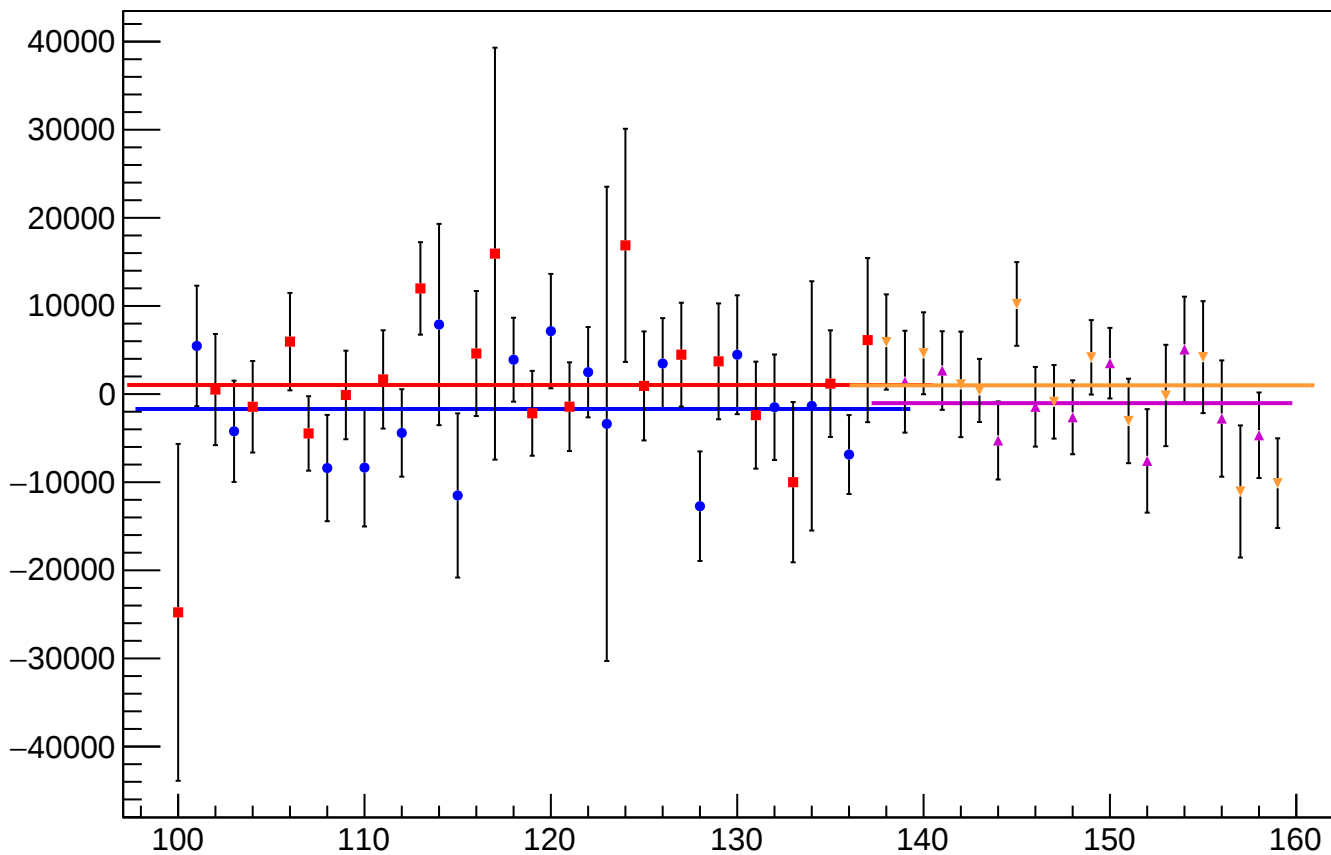
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1387.140+/-0.344 χ^2/NDF : 33282.7/9

1456.987+/-0.266 χ^2/NDF : 1013646.3/28

1443.505+/-0.266 χ^2/NDF : 731923.3/29

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 ± 1512.935 $\chi^2/\text{NDF}: 15.8/16$

Left Out: 994.307 ± 1415.729 $\chi^2/\text{NDF}: 14.4/11$

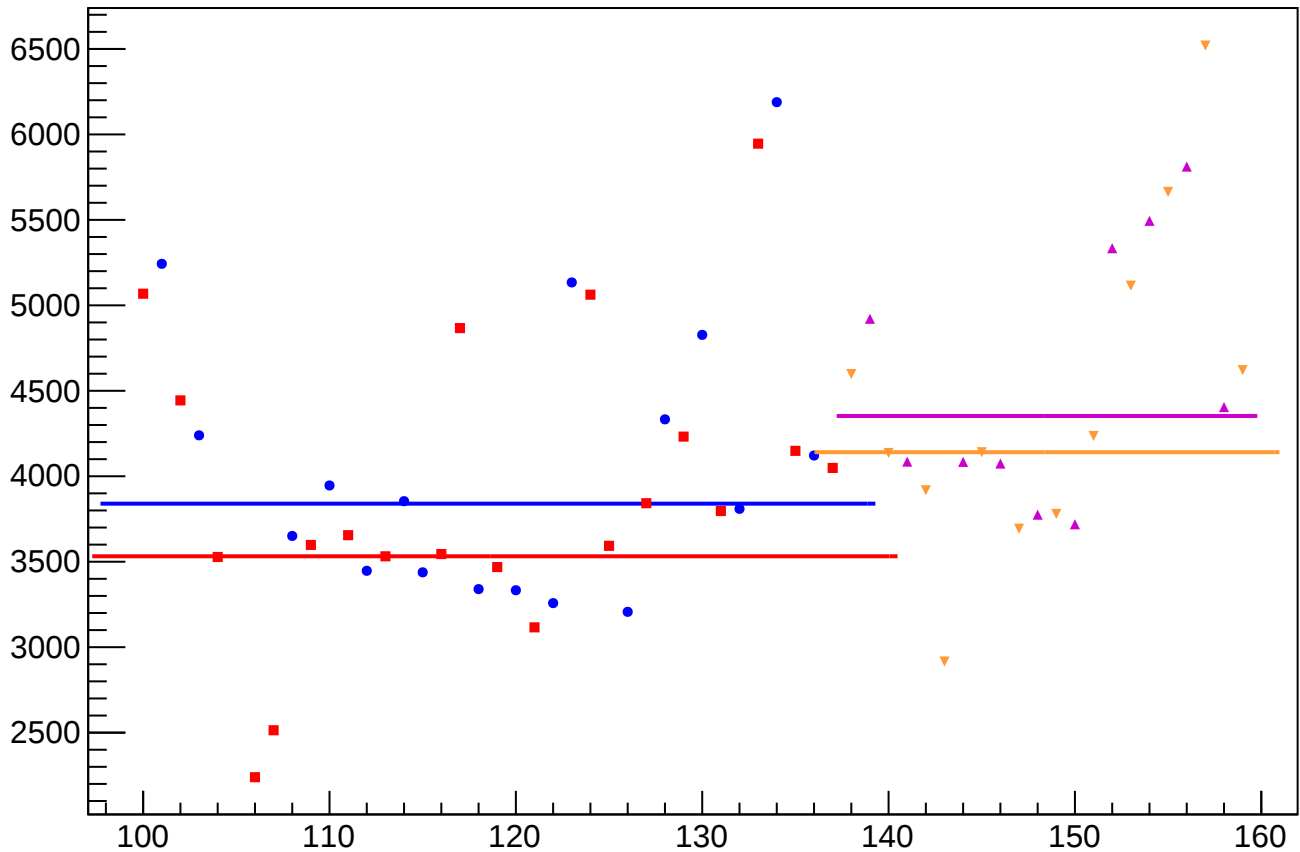
Right Out: 1029.768 ± 1376.481 $\chi^2/\text{NDF}: 14.3/19$

Left In: -1028.305 ± 1540.196 $\chi^2/\text{NDF}: 6.1/9$

-260.064 ± 1033.729 $\chi^2/\text{NDF}: 31.9/28$

115.890 ± 1026.337 $\chi^2/\text{NDF}: 21.5/29$

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751 ± 1.070 χ^2/NDF : 325959.2/16

Left Out: 4140.850 ± 1.001 χ^2/NDF : 680707.9/11

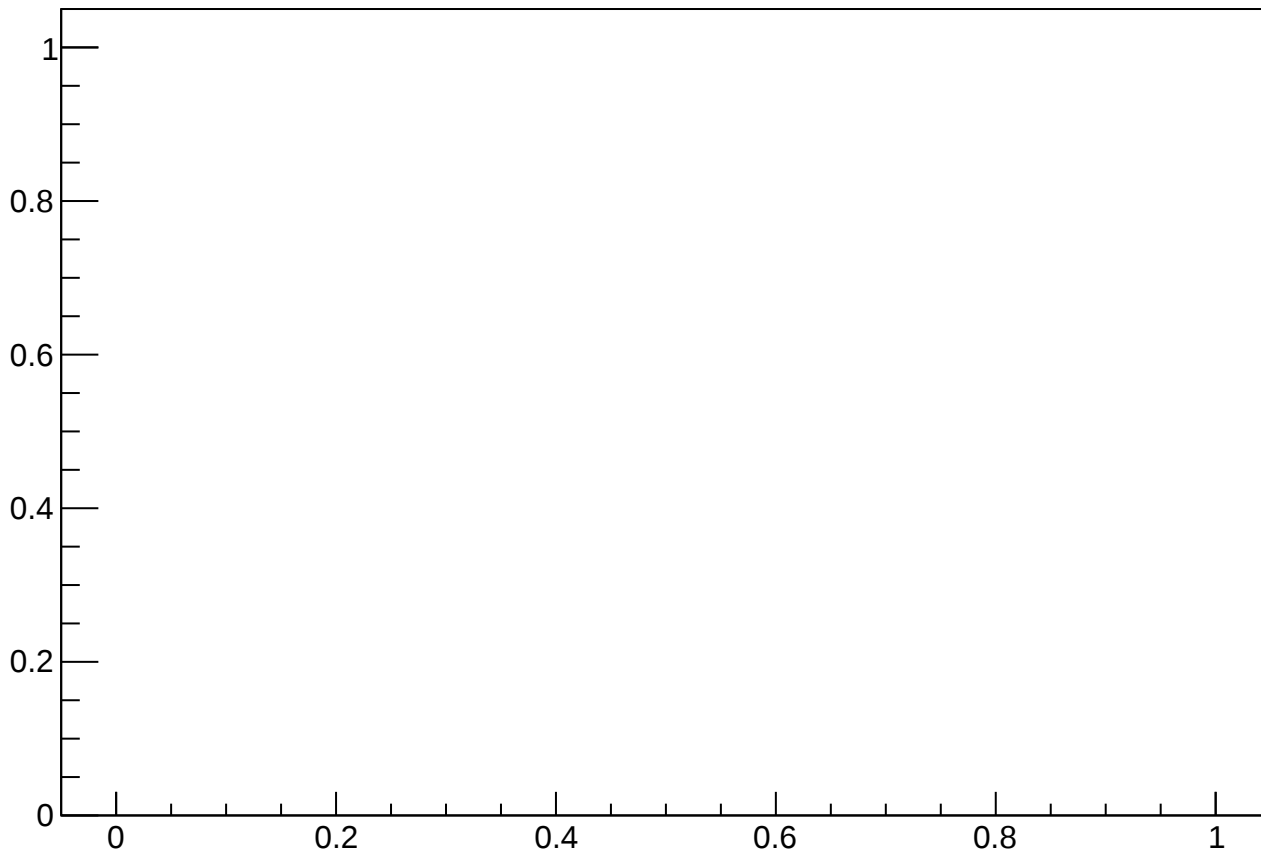
Right Out: 3531.881 ± 0.965 χ^2/NDF : 561331.4/19

Left In: 4352.699 ± 1.089 χ^2/NDF : 356008.8/9

4000.280 ± 0.731 χ^2/NDF : 1048902.2/28

3892.678 ± 0.722 χ^2/NDF : 1235688.5/29

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



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

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

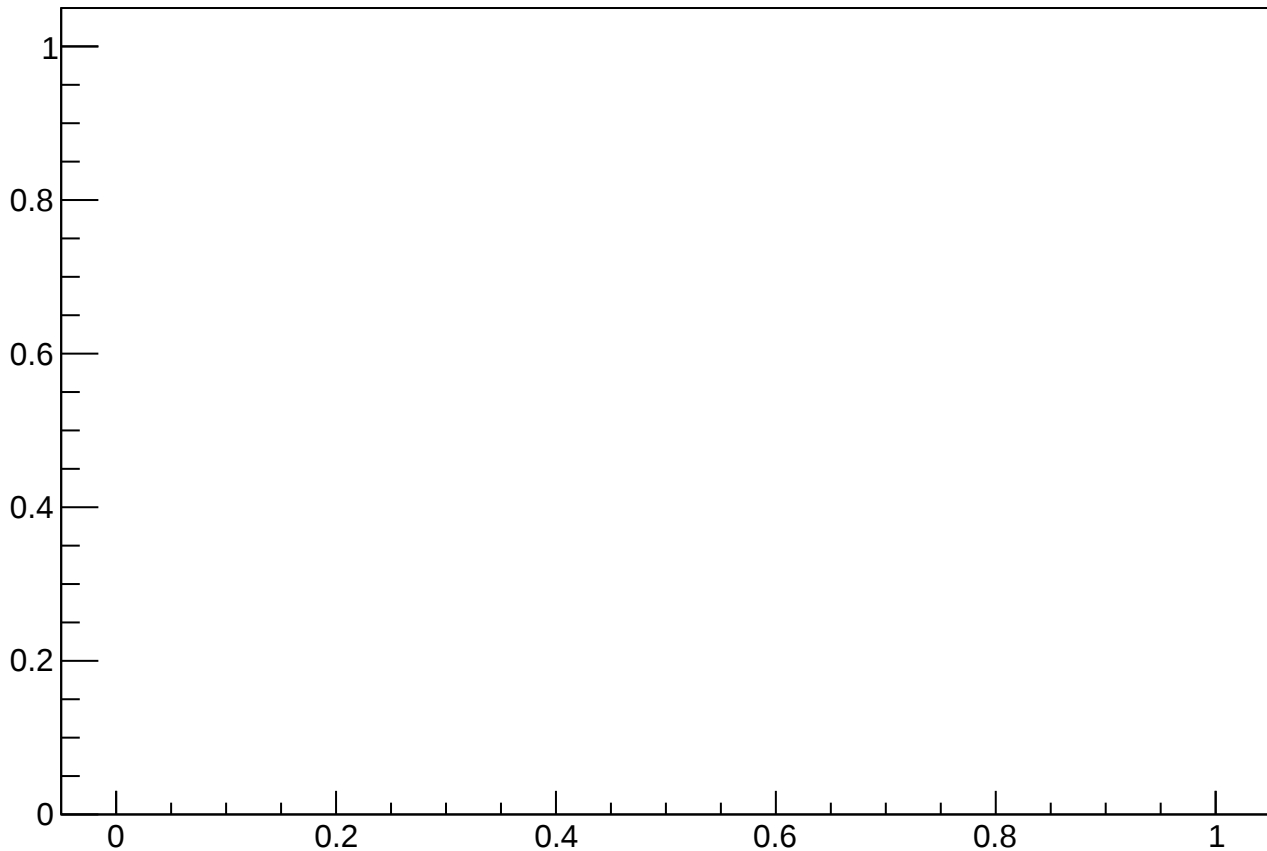
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



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

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

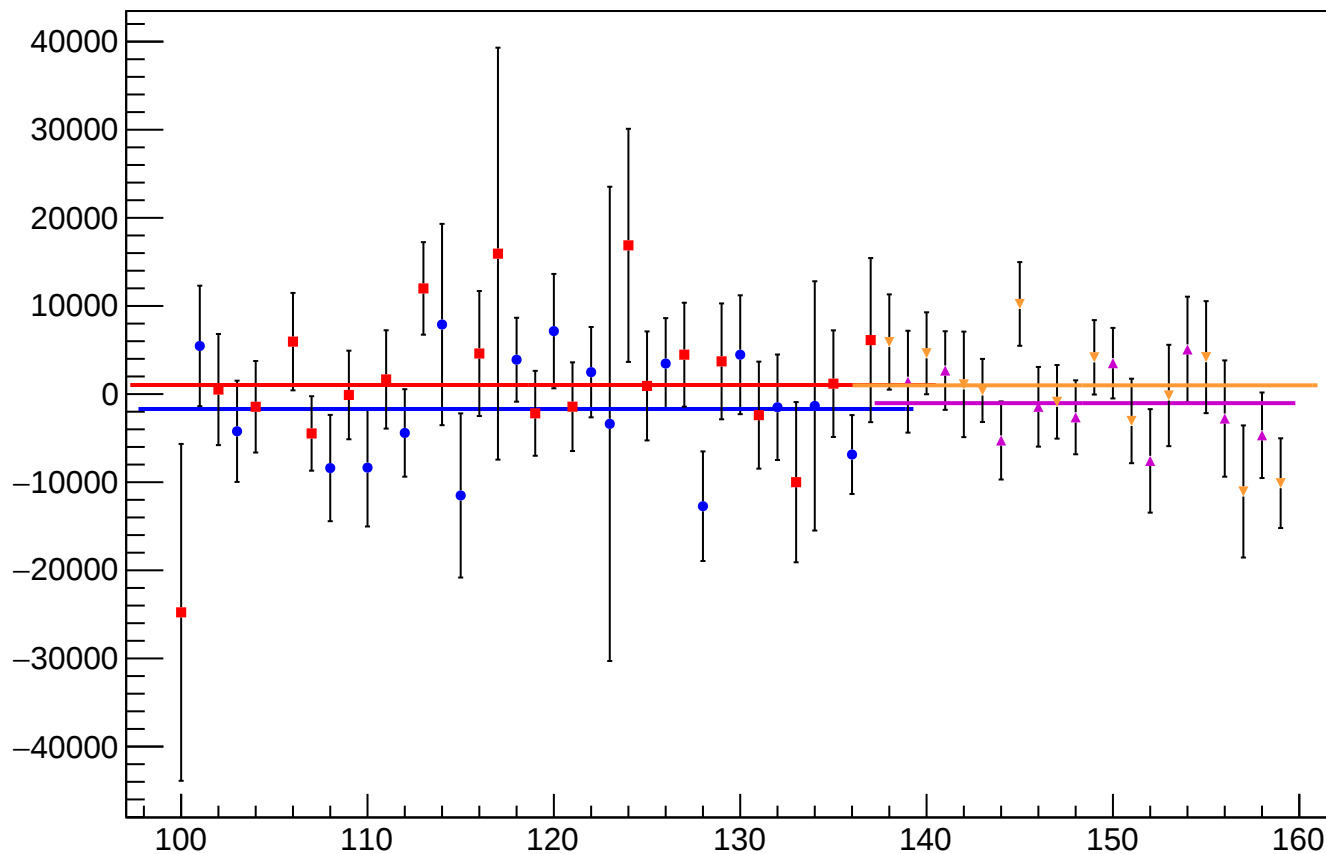
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604+/-1512.935 χ^2/NDF : 15.8/16

Left Out: 994.307+/-1415.729 χ^2/NDF : 14.4/11

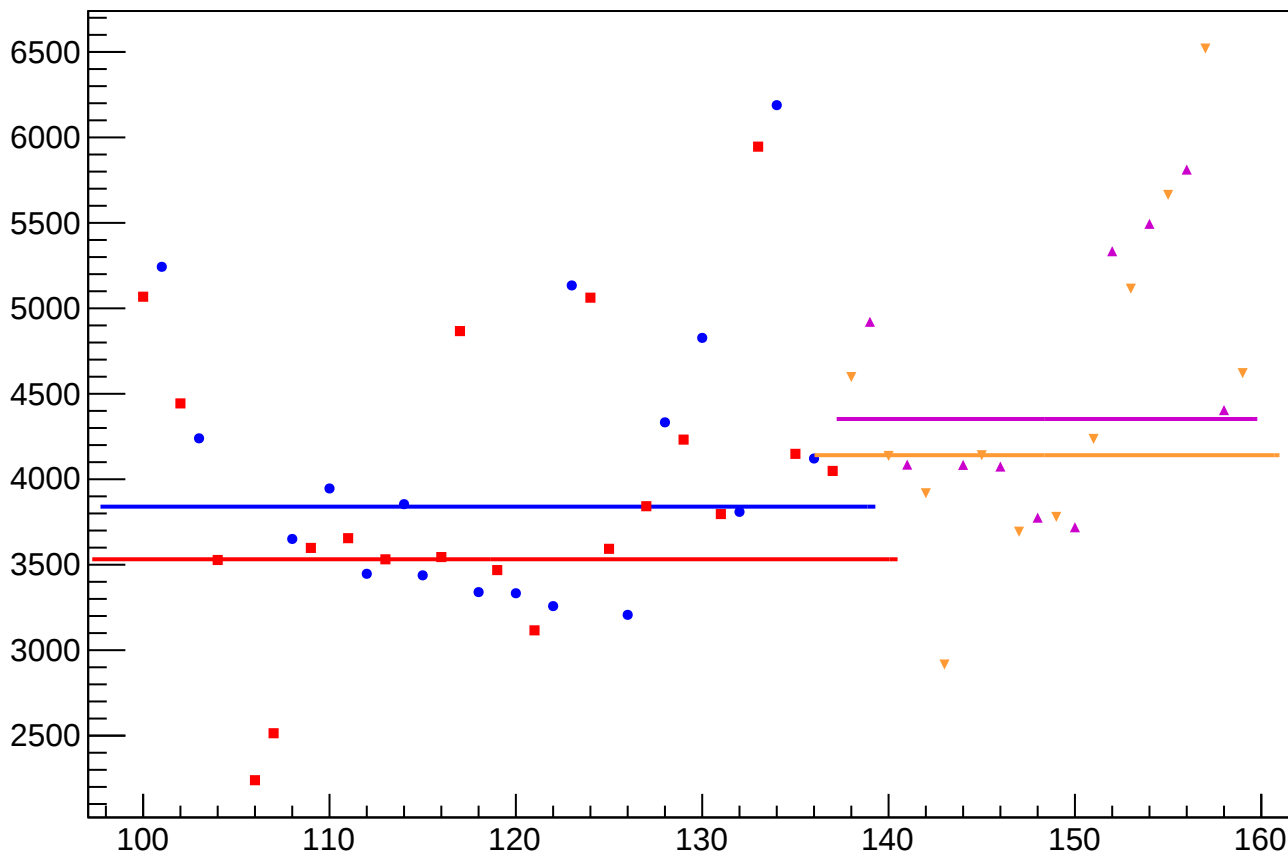
Right Out: 1029.768+/-1376.481 χ^2/NDF : 14.3/19

Left In: -1028.305+/-1540.196 χ^2/NDF : 6.1/9

-260.064+/-1033.729 χ^2/NDF : 31.9/28

115.890+/-1026.337 χ^2/NDF : 21.5/29

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751 ± 1.070 χ^2/NDF : 325959.2/16

Left Out: 4140.850 ± 1.001 χ^2/NDF : 680707.9/11

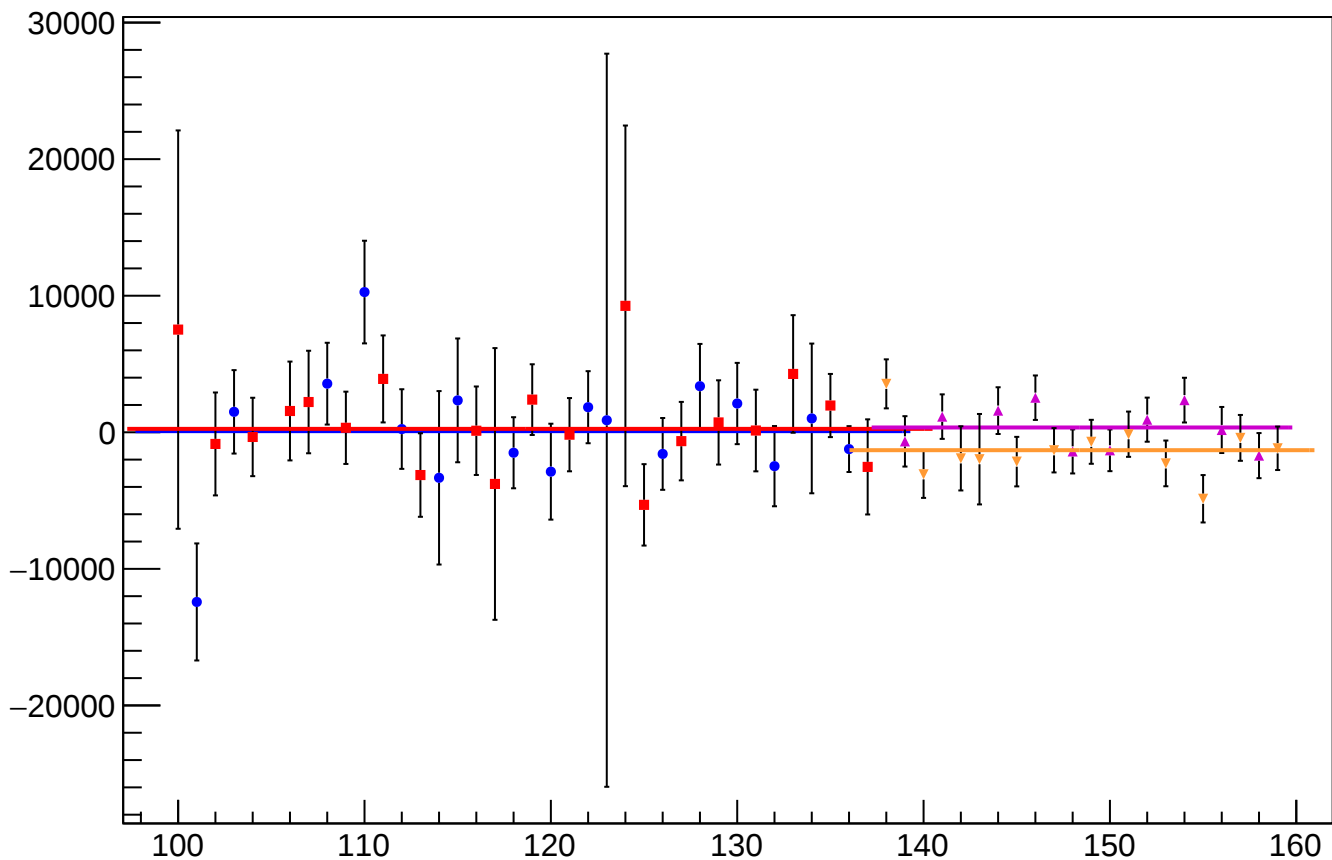
Right Out: 3531.881 ± 0.965 χ^2/NDF : 561331.4/19

Left In: 4352.699 ± 1.089 χ^2/NDF : 356008.8/9

4000.280 ± 0.731 χ^2/NDF : 1048902.2/28

3892.678 ± 0.722 χ^2/NDF : 1235688.5/29

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 ± 750.549 χ^2/NDF : 22.9/16

Left Out: -1310.545 ± 513.575 χ^2/NDF : 14.2/11

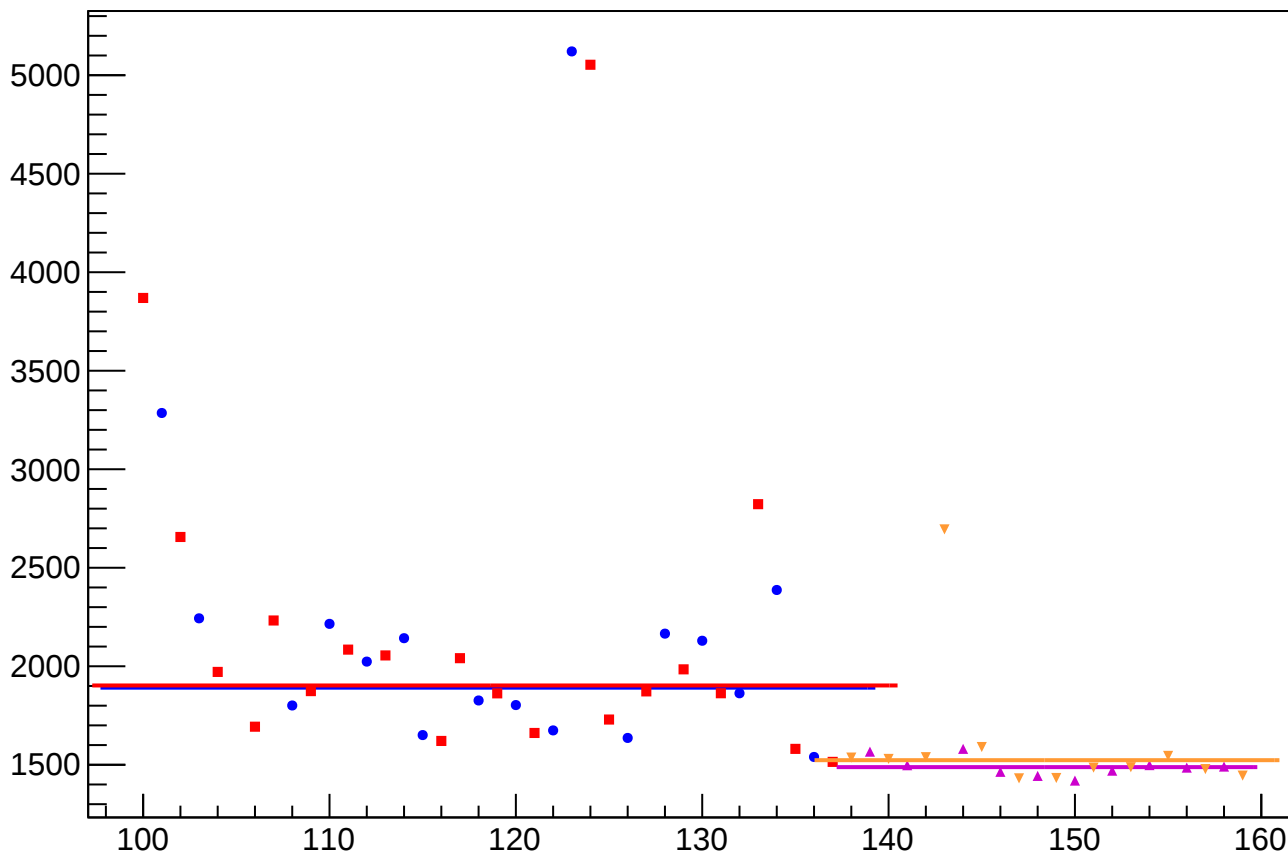
Right Out: 250.743 ± 732.124 χ^2/NDF : 10.3/19

Left In: 352.231 ± 521.388 χ^2/NDF : 8.4/9

-865.866 ± 423.846 χ^2/NDF : 39.4/28

318.080 ± 424.698 χ^2/NDF : 18.8/29

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1523.347+/-0.363 χ^2/NDF : 274567.8/11

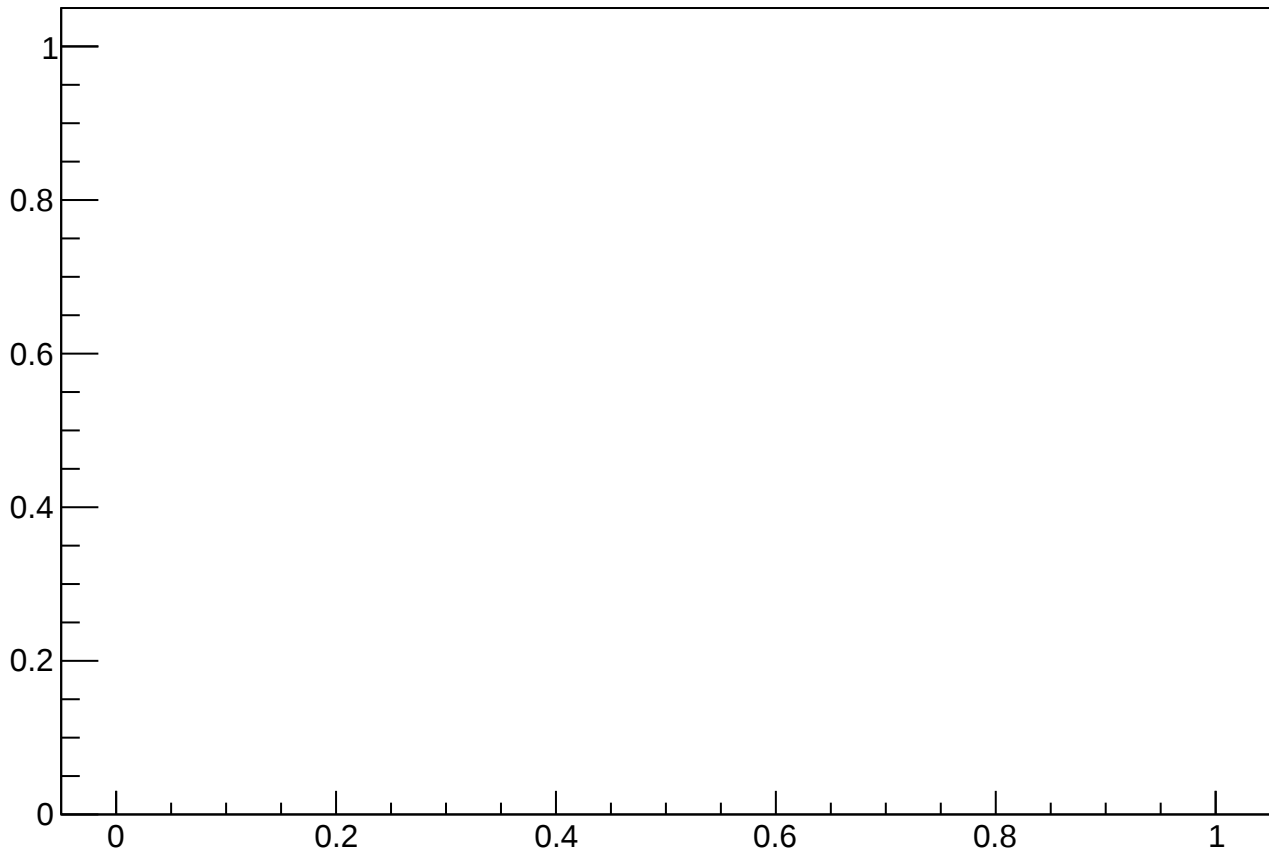
Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

Left In: 1488.125+/-0.369 χ^2/NDF : 15874.9/9

1640.751+/-0.300 χ^2/NDF : 1066800.1/28

1627.584+/-0.300 χ^2/NDF : 902161.1/29

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



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

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

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

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

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



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

0.000+/-0.000 χ^2/NDF : 0.0/0

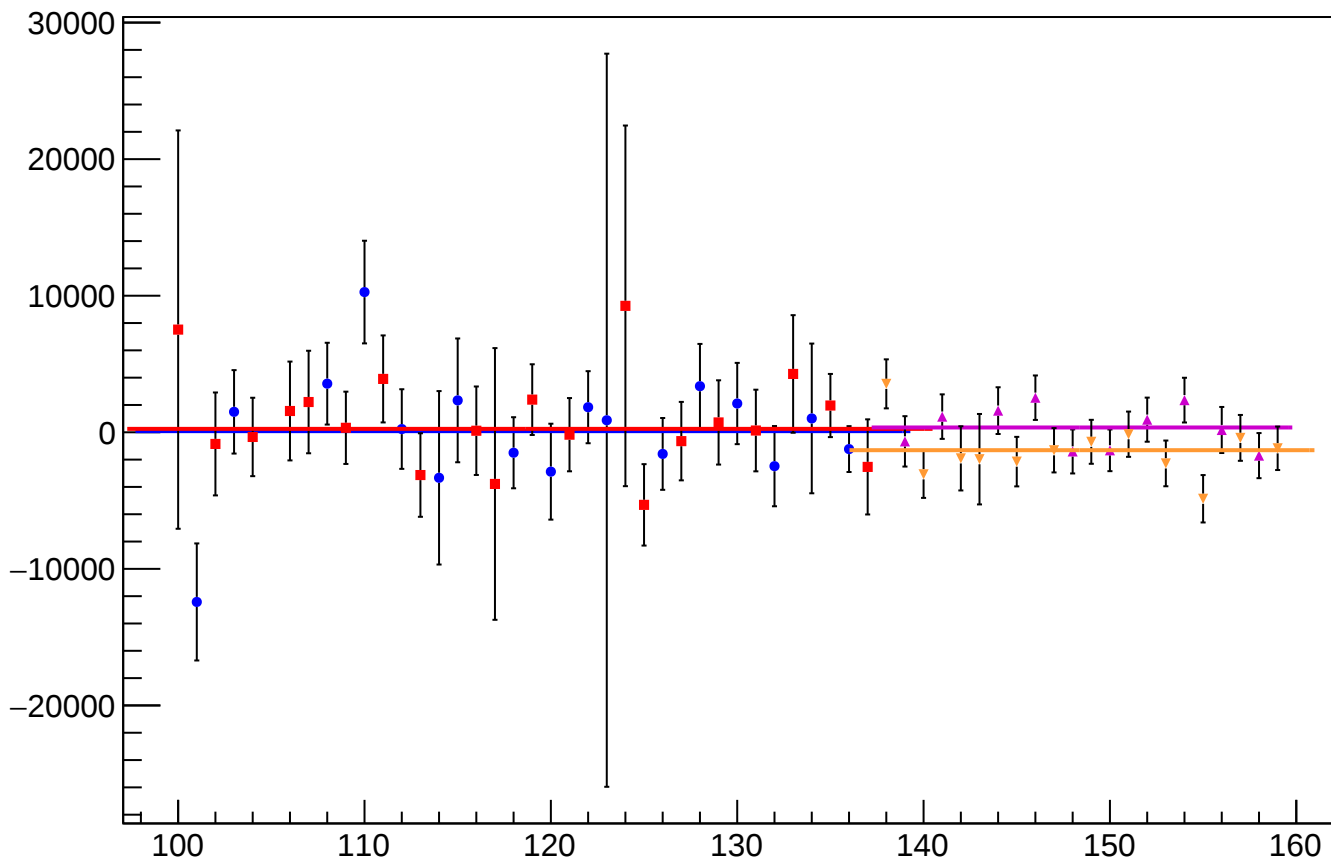
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

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

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

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -1310.545+/-513.575 χ^2/NDF :14.2/11

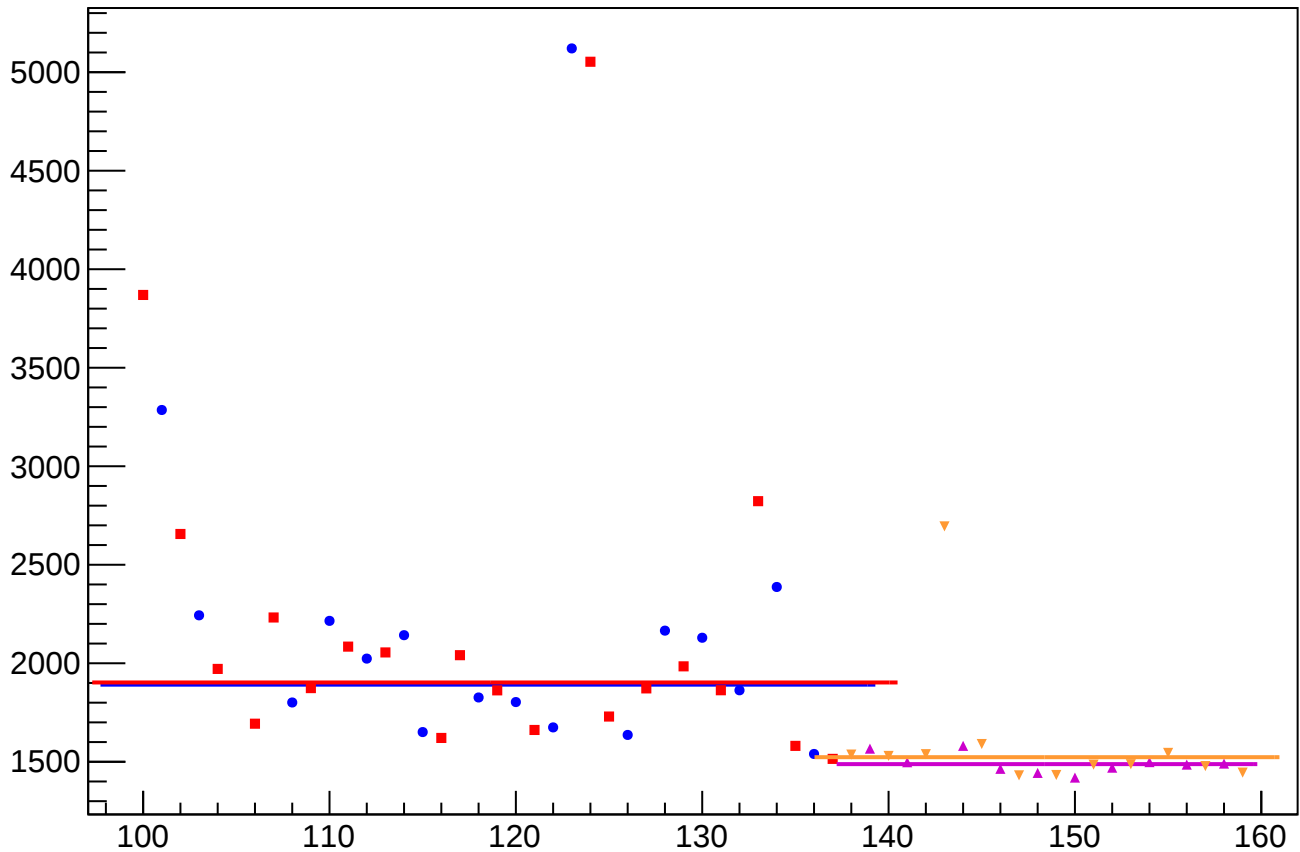
Right Out: 250.743+/-732.124 χ^2/NDF : 10.3/19

Left In: 352.231+/-521.388 χ^2/NDF :8.4/9

-865.866+/-423.846 χ^2/NDF : 39.4/28

318.080+/-424.698 χ^2/NDF : 18.8/29

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1523.347+/-0.363 χ^2/NDF : 274567.8/11

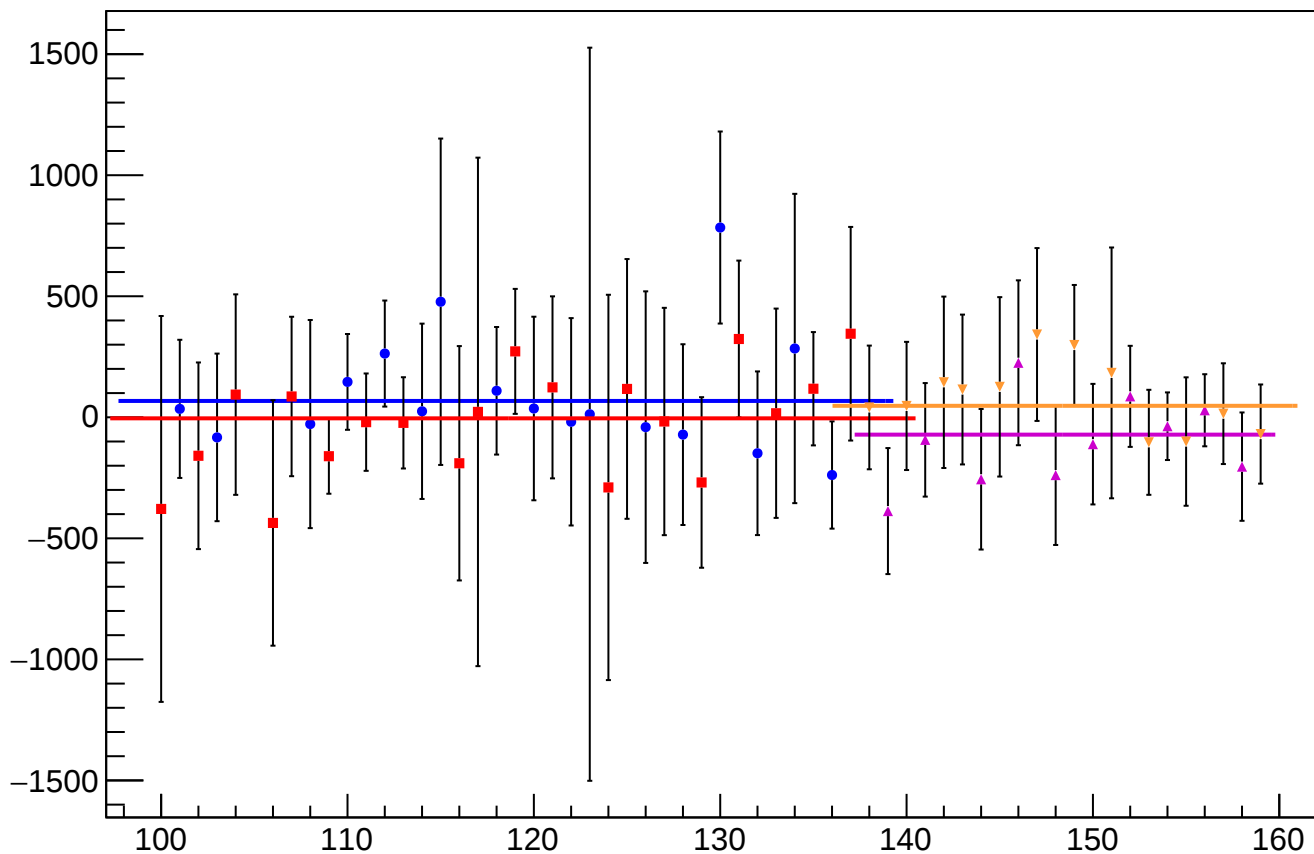
Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

Left In: 1488.125+/-0.369 χ^2/NDF : 15874.9/9

1640.751+/-0.300 χ^2/NDF : 1066800.1/28

1627.584+/-0.300 χ^2/NDF : 902161.1/29

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542+/-79.608 χ^2/NDF : 7.5/16

Left Out: 47.457+/-77.729 χ^2/NDF : 3.1/11

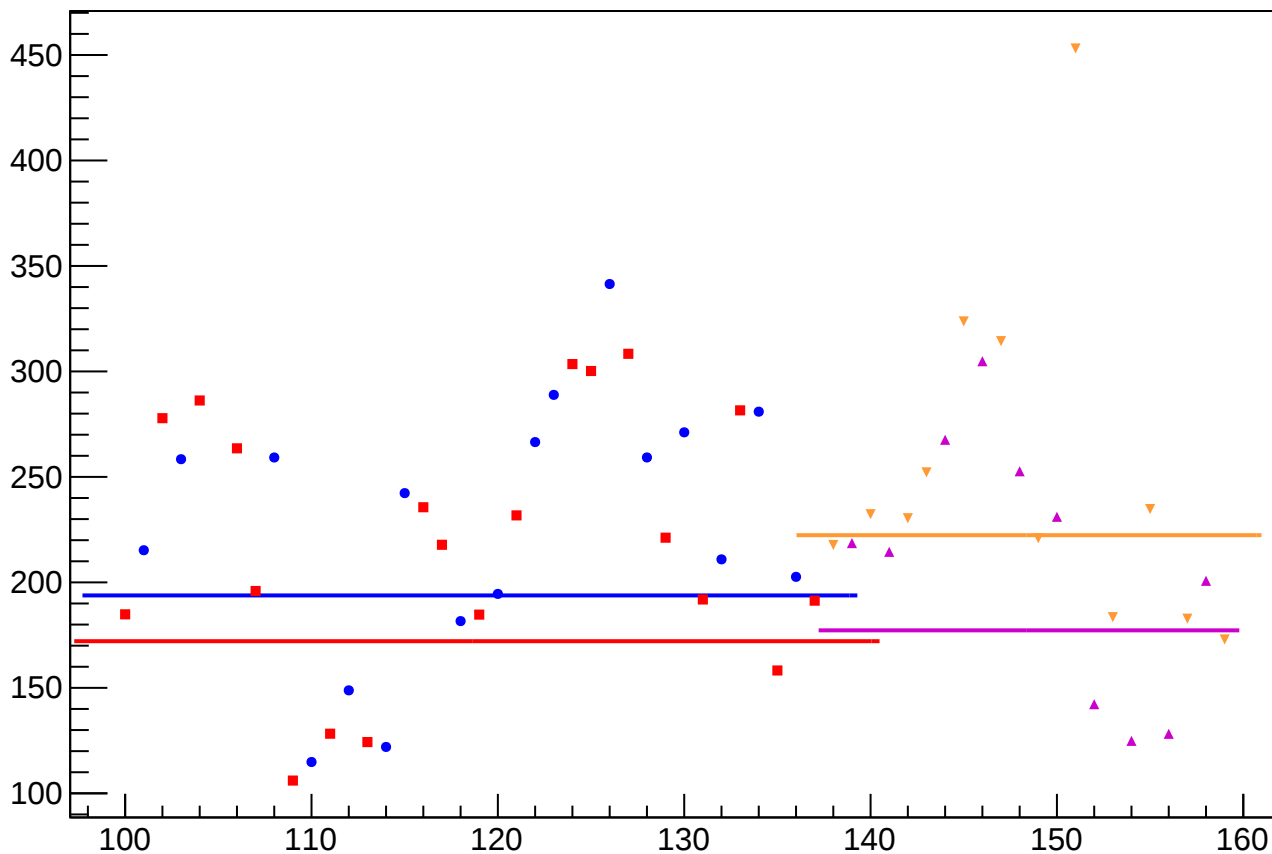
Right Out: -4.305+/-69.854 χ^2/NDF : 6.4/19

Left In: -71.643+/-67.289 χ^2/NDF : 4.4/9

57.260+/-55.615 χ^2/NDF : 10.7/28

-39.233+/-48.462 χ^2/NDF : 11.3/29

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.815 ± 0.056 χ^2/NDF : 1010325.5/16

Left Out: 222.376 ± 0.055 χ^2/NDF : 959506.2/11

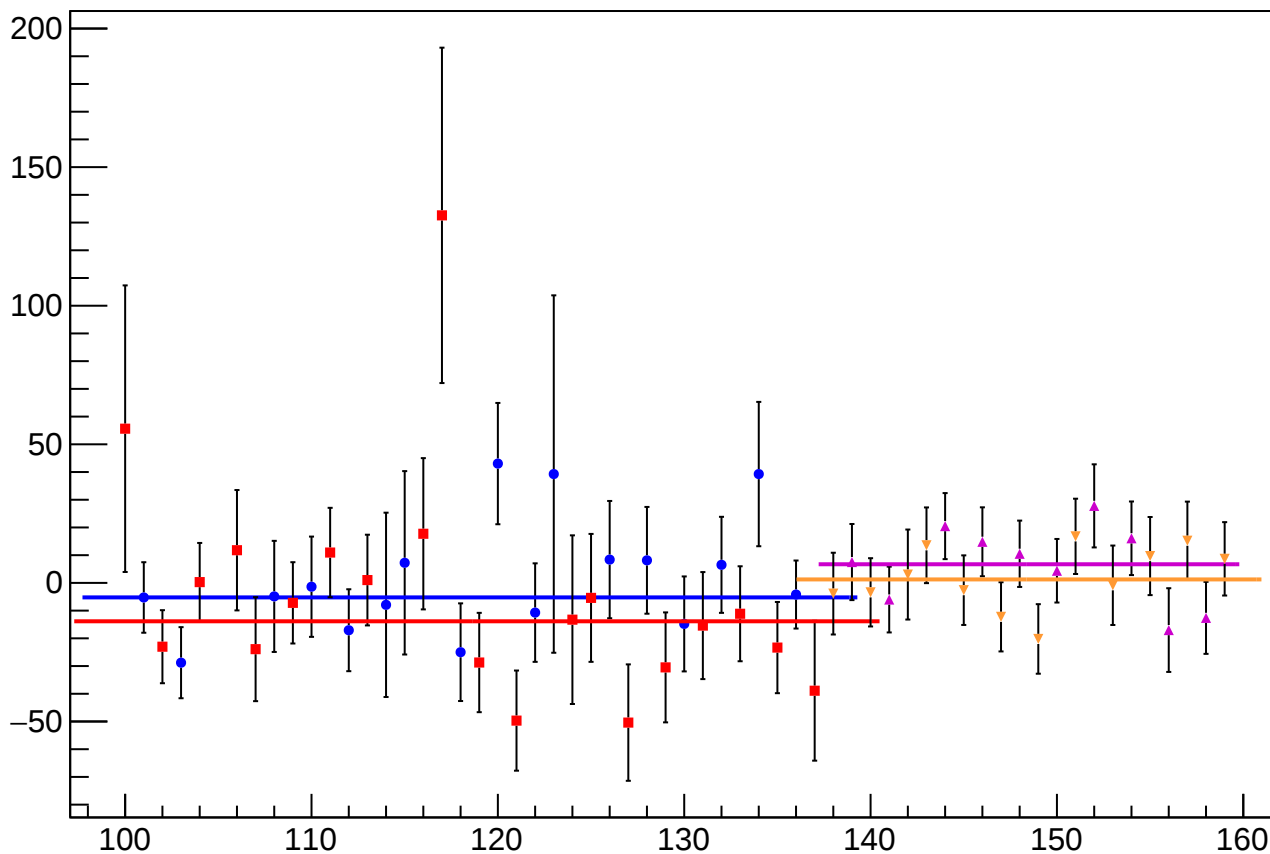
Right Out: 172.123 ± 0.049 χ^2/NDF : 1580879.9/19

Left In: 177.263 ± 0.048 χ^2/NDF : 1381781.9/9

208.437 ± 0.039 χ^2/NDF : 2101624.3/28

174.789 ± 0.034 χ^2/NDF : 2968278.2/29

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231 ± 4.356 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 1.252 ± 3.907 $\chi^2/\text{NDF}: 8.3/11$

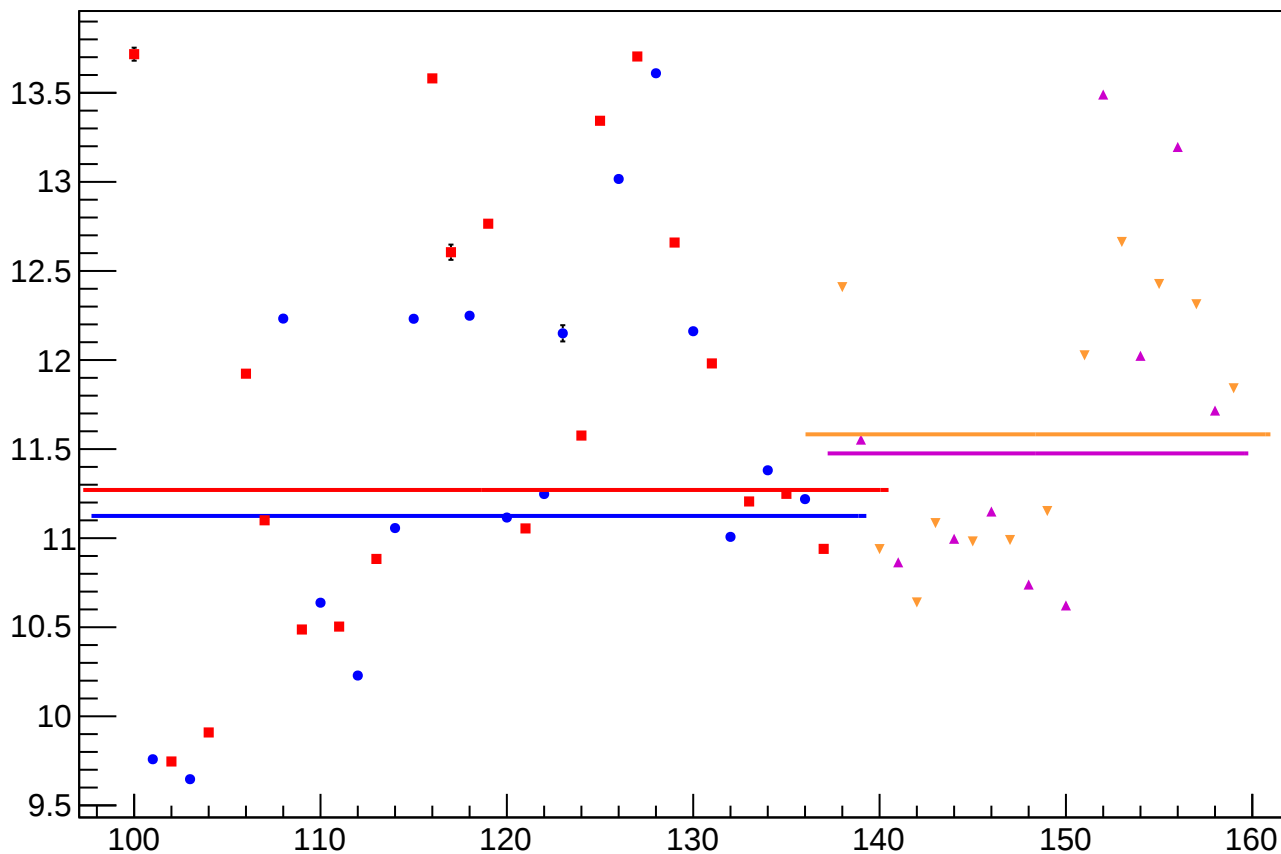
Right Out: -13.851 ± 4.255 $\chi^2/\text{NDF}: 25.4/19$

Left In: 6.725 ± 4.051 $\chi^2/\text{NDF}: 10.2/9$

-1.638 ± 2.908 $\chi^2/\text{NDF}: 25.0/28$

-3.059 ± 2.934 $\chi^2/\text{NDF}: 47.9/29$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.125 $\pm$ 0.003 χ^2 /NDF: 132520.1/16

Left Out: 11.583 $\pm$ 0.003 χ^2 /NDF: 59421.6/11

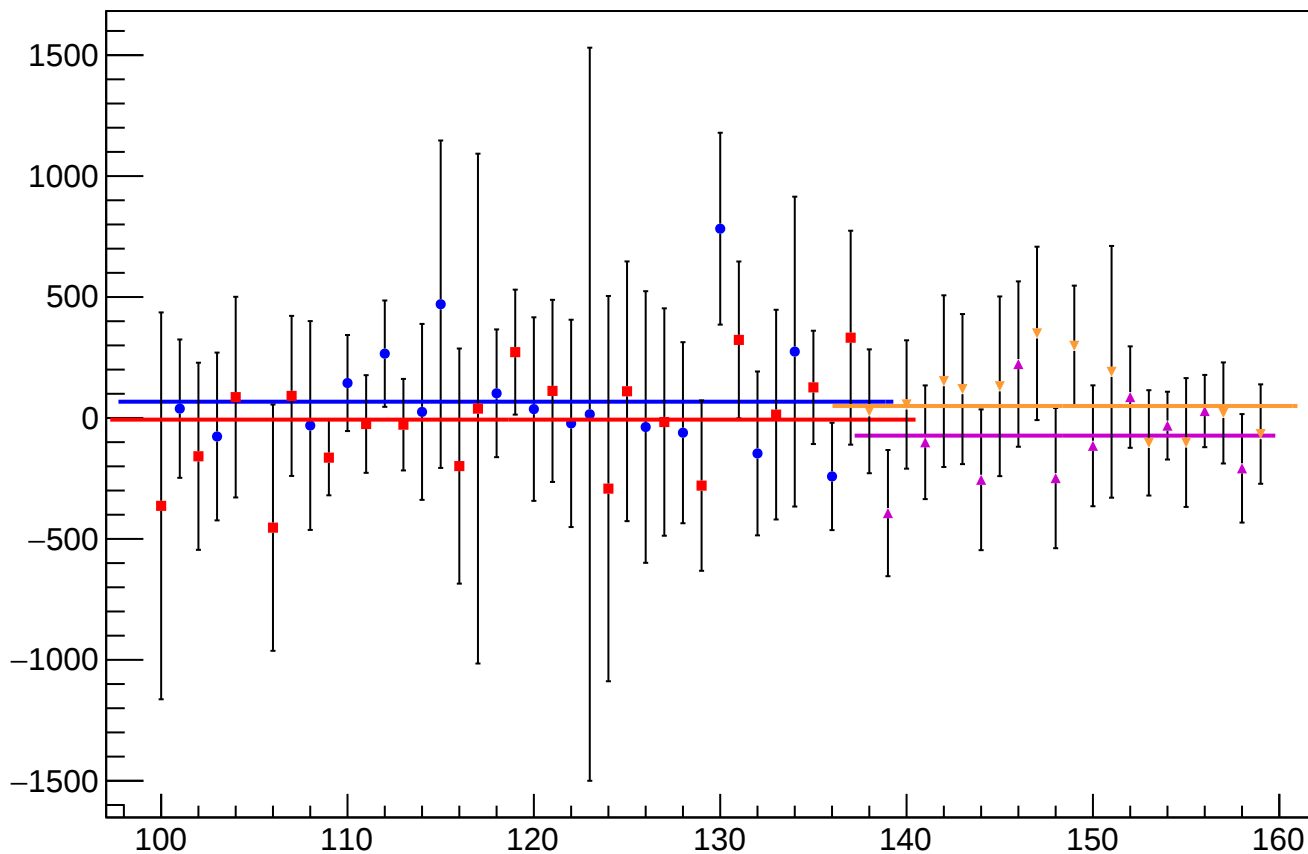
Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148711.4/19

Left In: 11.476 $\pm$ 0.003 χ^2 /NDF: 94783.1/9

11.379 $\pm$ 0.002 χ^2 /NDF: 204199.3/28

11.378 $\pm$ 0.002 χ^2 /NDF: 245935.0/29

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 49.582+/-77.988 χ^2/NDF : 3.1/11

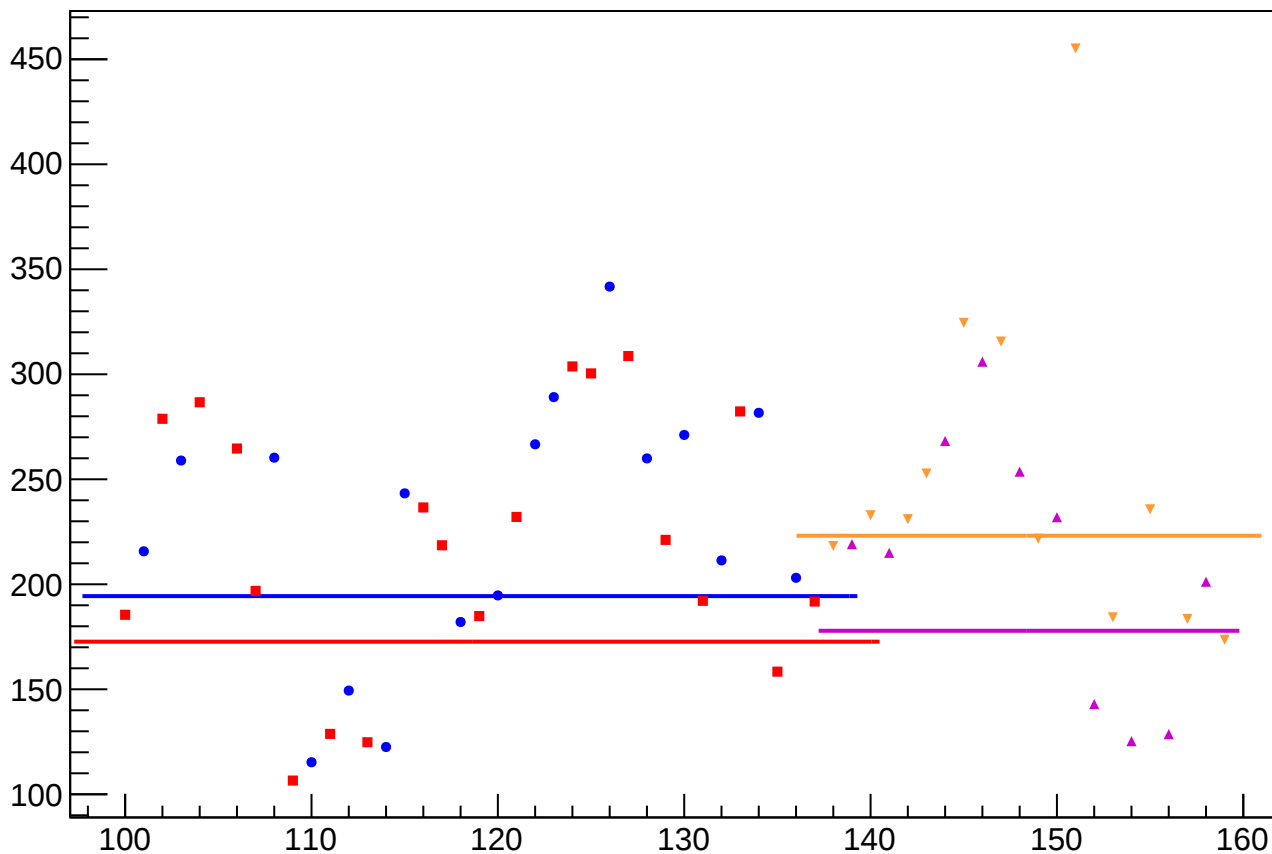
Right Out: -6.837+/-70.057 χ^2/NDF : 6.4/19

Left In: -72.976+/-67.511 χ^2/NDF : 4.5/9

58.238+/-55.781 χ^2/NDF : 10.6/28

-41.130+/-48.613 χ^2/NDF : 11.5/29

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.365 $\pm$ 0.056 χ^2 /NDF: 1005234.4/16

Left Out: 223.120 $\pm$ 0.055 χ^2 /NDF:958776.5/11

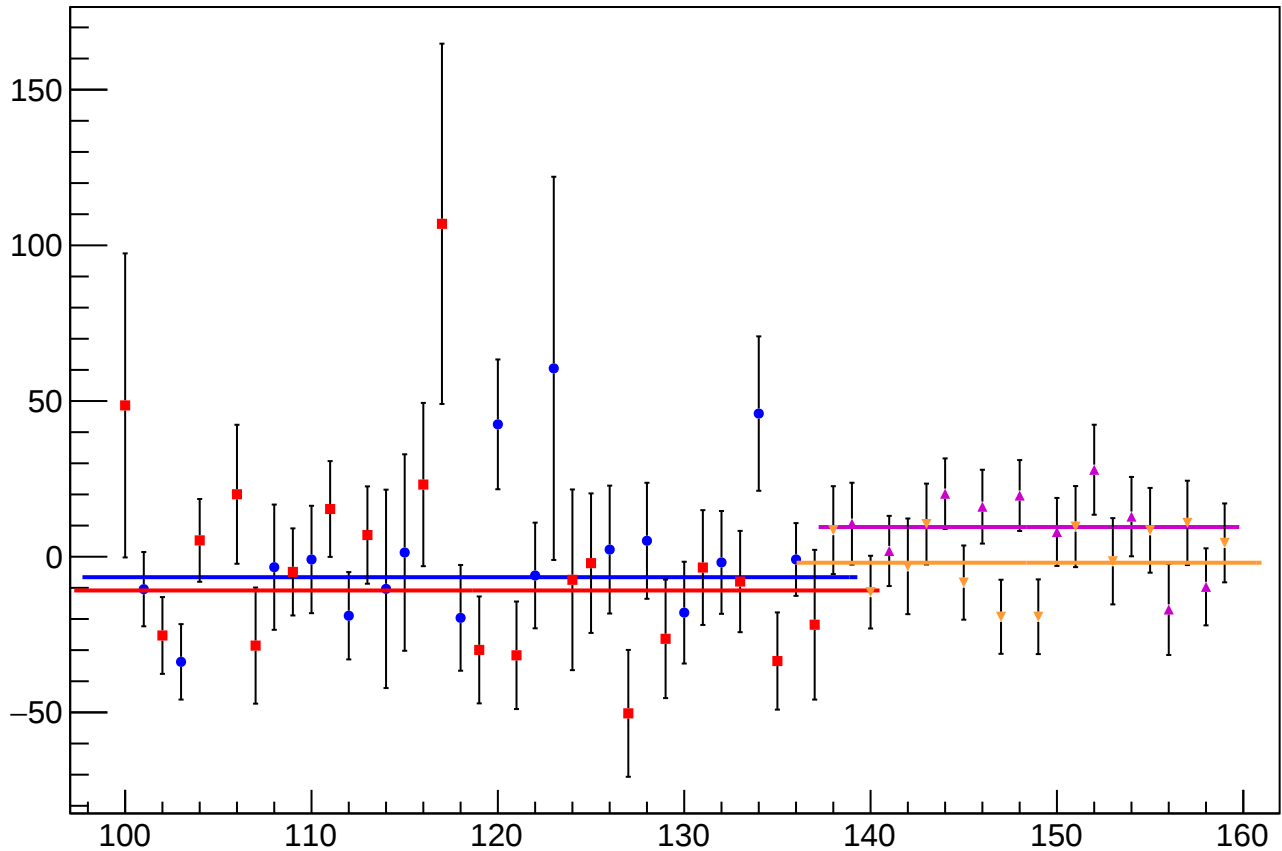
Right Out: 172.675 $\pm$ 0.050 χ^2 /NDF: 1573459.1/19

Left In: 177.860 $\pm$ 0.048 χ^2 /NDF:1379489.8/9

209.076 $\pm$ 0.039 χ^2 /NDF: 2096803.9/28

175.363 $\pm$ 0.034 χ^2 /NDF: 2958628.4/29

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575 $\pm$ 4.157 χ^2/NDF : 19.3/16

Left Out: -1.925 $\pm$ 3.733 χ^2/NDF : 9.2/11

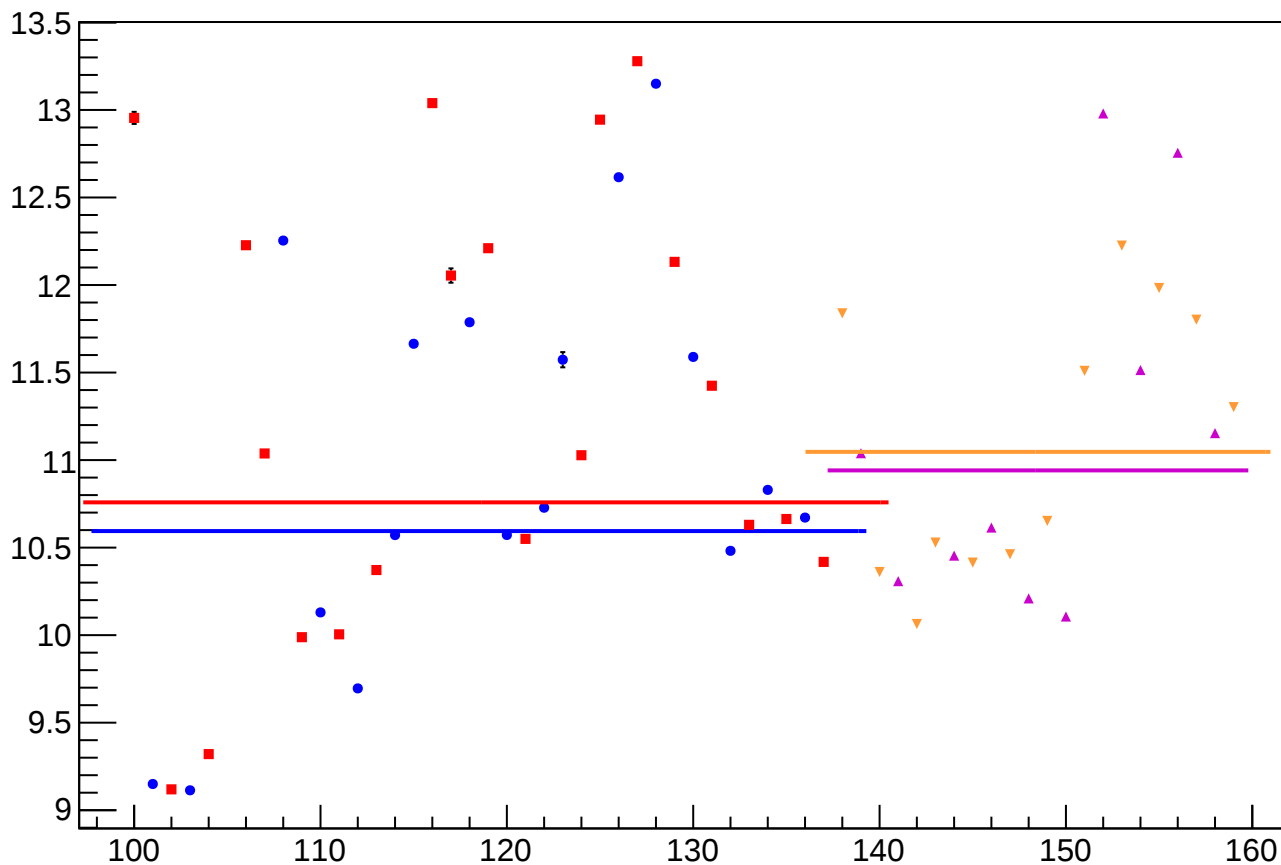
Right Out: -10.838 $\pm$ 4.070 χ^2/NDF : 27.1/19

Left In: 9.532 $\pm$ 3.869 χ^2/NDF : 9.9/9

-4.001 $\pm$ 2.777 χ^2/NDF : 29.2/28

-0.138 $\pm$ 2.804 χ^2/NDF : 50.1/29

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 ± 0.003 χ^2/NDF : 160059.2/16

Left Out: 11.047 ± 0.003 χ^2/NDF : 70684.8/11

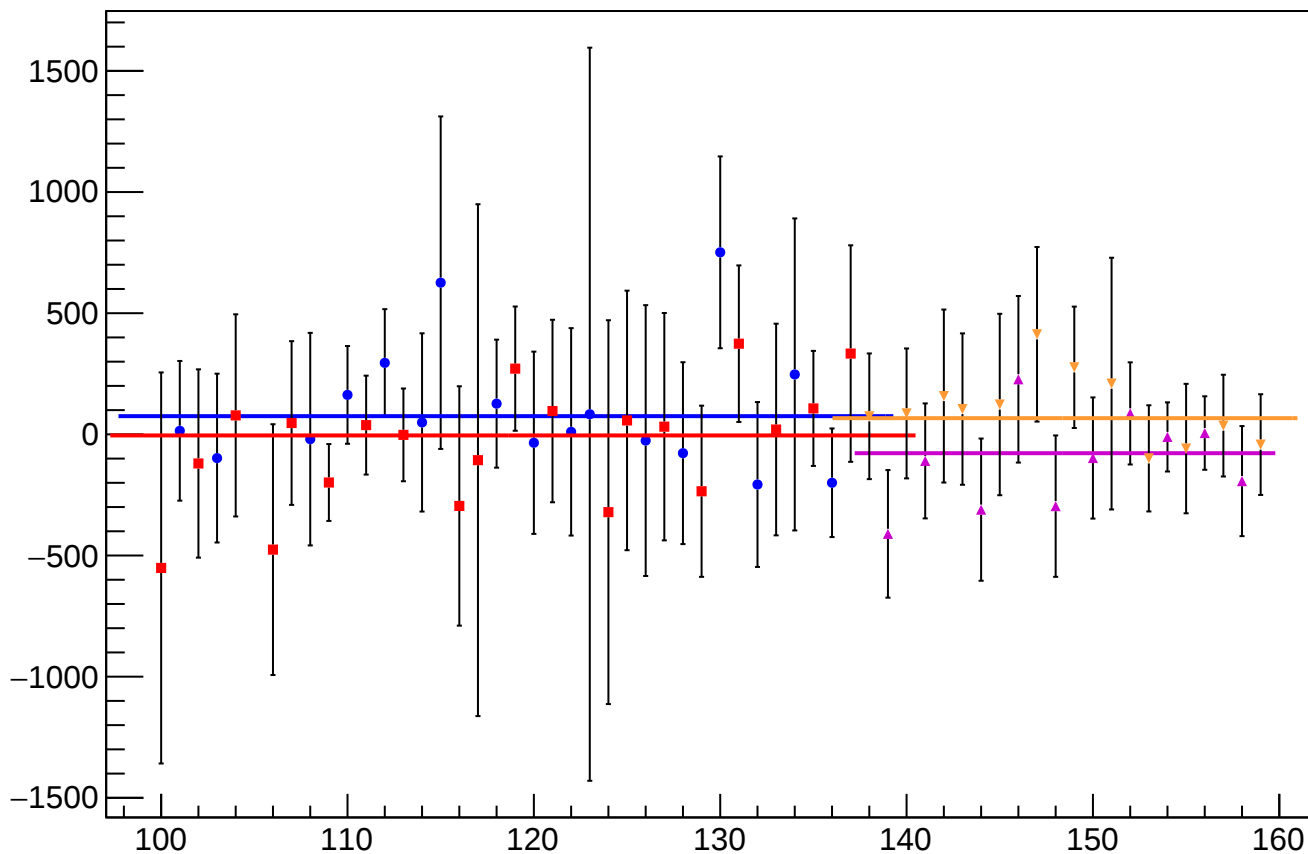
Right Out: 10.758 ± 0.003 χ^2/NDF : 178180.9/19

Left In: 10.941 ± 0.003 χ^2/NDF : 106792.2/9

10.845 ± 0.002 χ^2/NDF : 243860.3/28

10.854 ± 0.002 χ^2/NDF : 287088.0/29

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 75.086 $\pm$ 80.352 χ^2 /NDF: 7.7/16

Left Out: 66.805 $\pm$ 78.557 χ^2 /NDF: 2.9/11

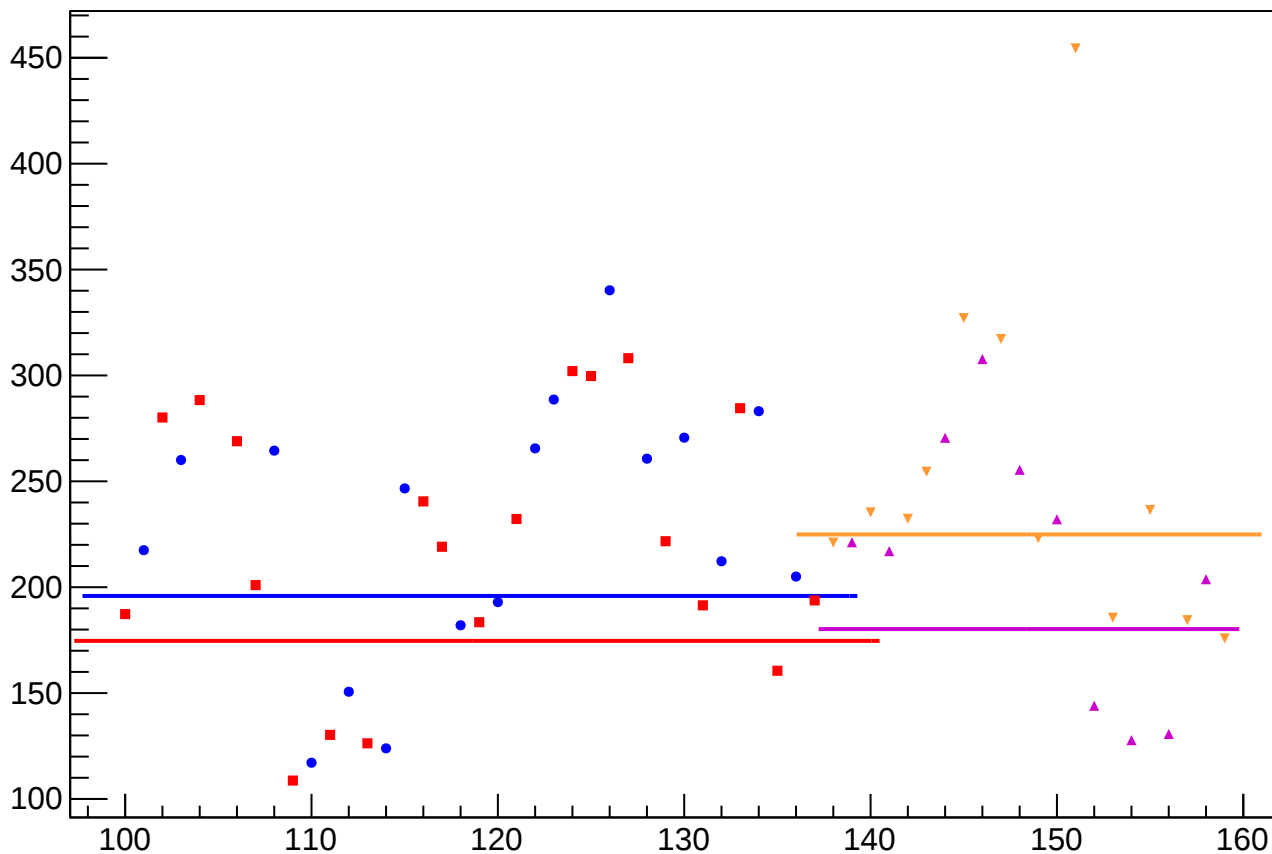
Right Out: -4.459 $\pm$ 70.724 χ^2 /NDF: 7.3/19

Left In: -77.732 $\pm$ 68.282 χ^2 /NDF: 5.0/9

70.852 $\pm$ 56.172 χ^2 /NDF: 10.6/28

-42.382 $\pm$ 49.123 χ^2 /NDF: 12.9/29

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869 $\pm$ 0.057 χ^2/NDF : 979247.4/16

Left Out: 224.913 $\pm$ 0.056 χ^2/NDF : 947182.7/11

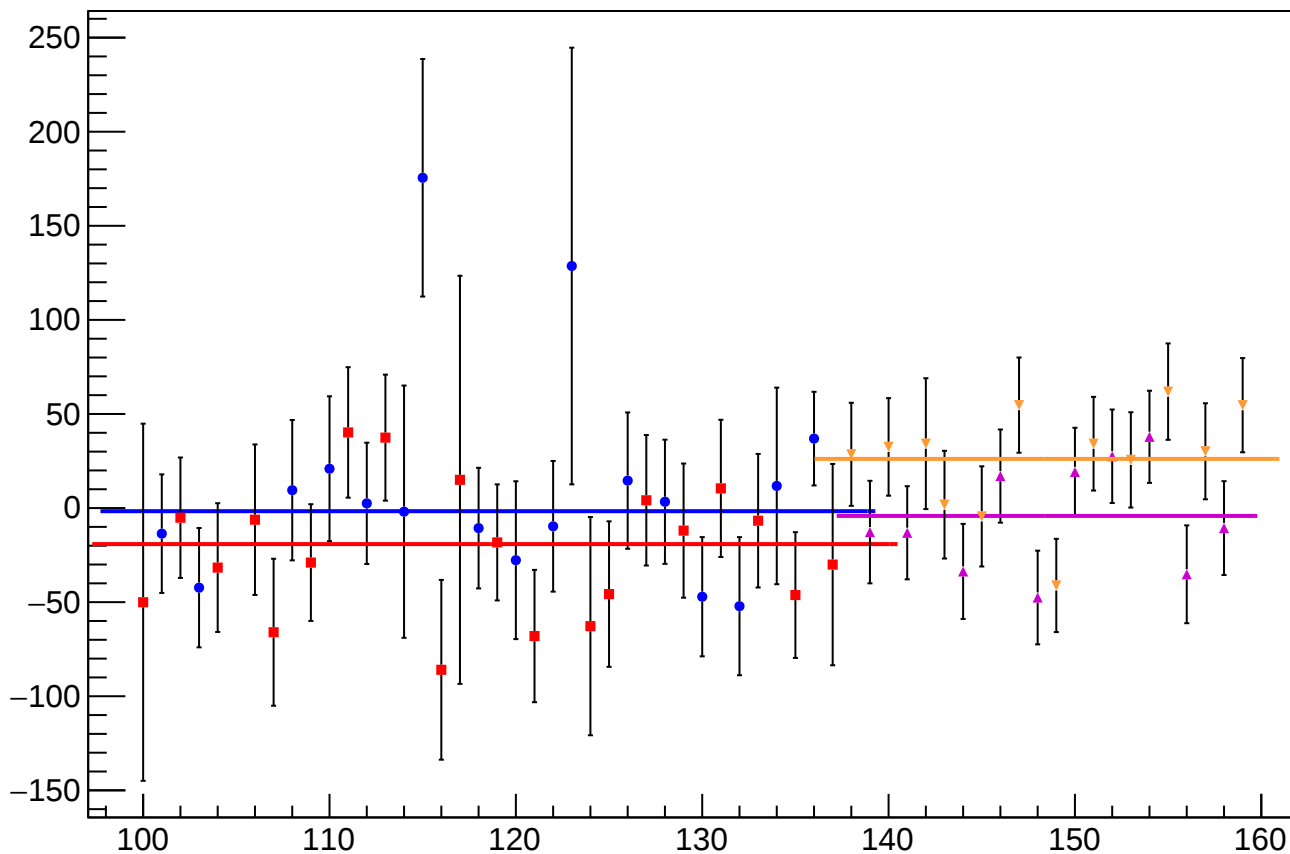
Right Out: 174.665 $\pm$ 0.050 χ^2/NDF : 1532335.9/19

Left In: 180.221 $\pm$ 0.048 χ^2/NDF : 1344178.8/9

210.719 $\pm$ 0.040 χ^2/NDF : 2060034.1/28

177.541 $\pm$ 0.035 χ^2/NDF : 2882901.8/29

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.654 $\pm$ 8.881 χ^2/NDF : 18.5/16

Left Out: 26.141 $\pm$ 7.603 χ^2/NDF : 14.2/11

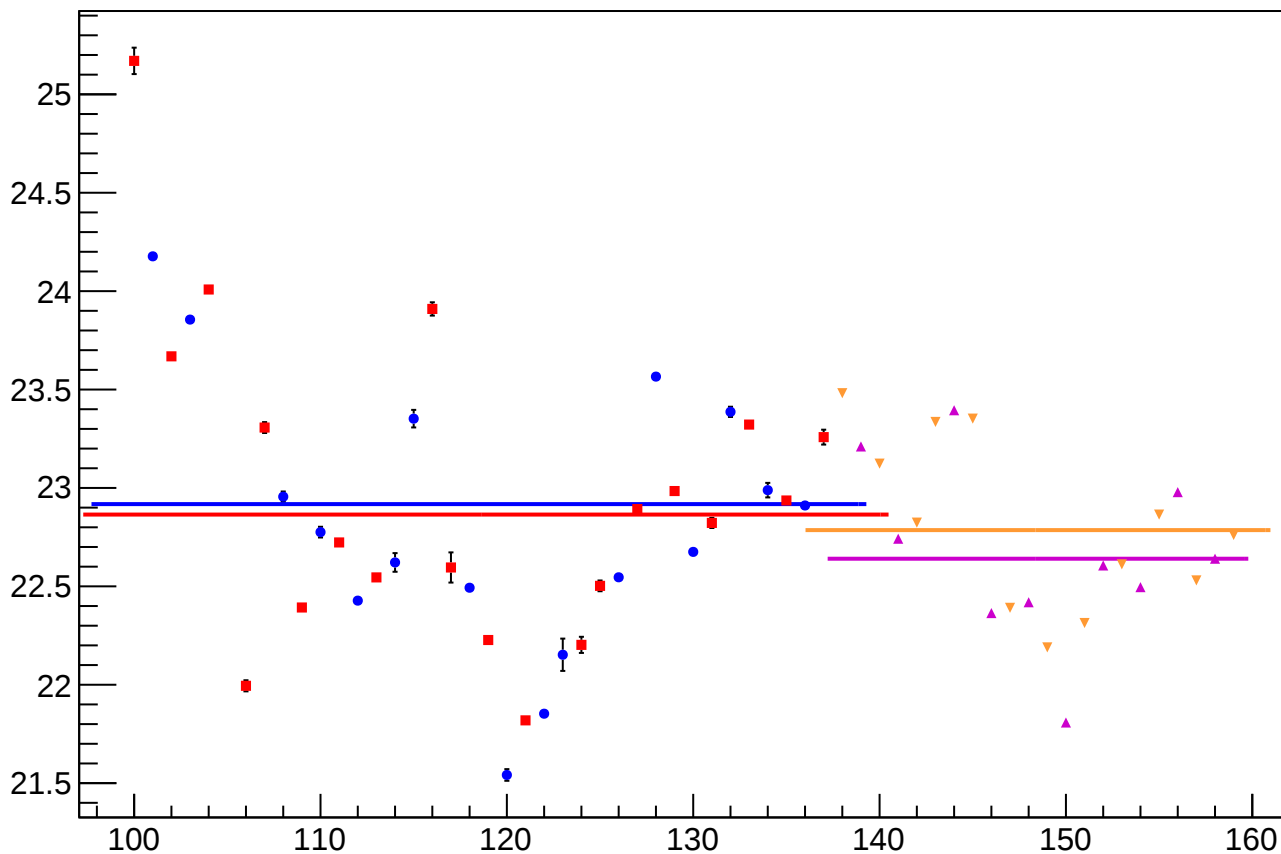
Right Out: -19.145 $\pm$ 8.529 χ^2/NDF : 14.9/19

Left In: -4.174 $\pm$ 7.909 χ^2/NDF : 12.4/9

14.386 $\pm$ 5.776 χ^2/NDF : 38.4/28

-11.096 $\pm$ 5.799 χ^2/NDF : 28.9/29

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918 ± 0.006 χ^2/NDF : 11472.2/16

Left Out: 22.786 ± 0.005 χ^2/NDF : 5955.0/11

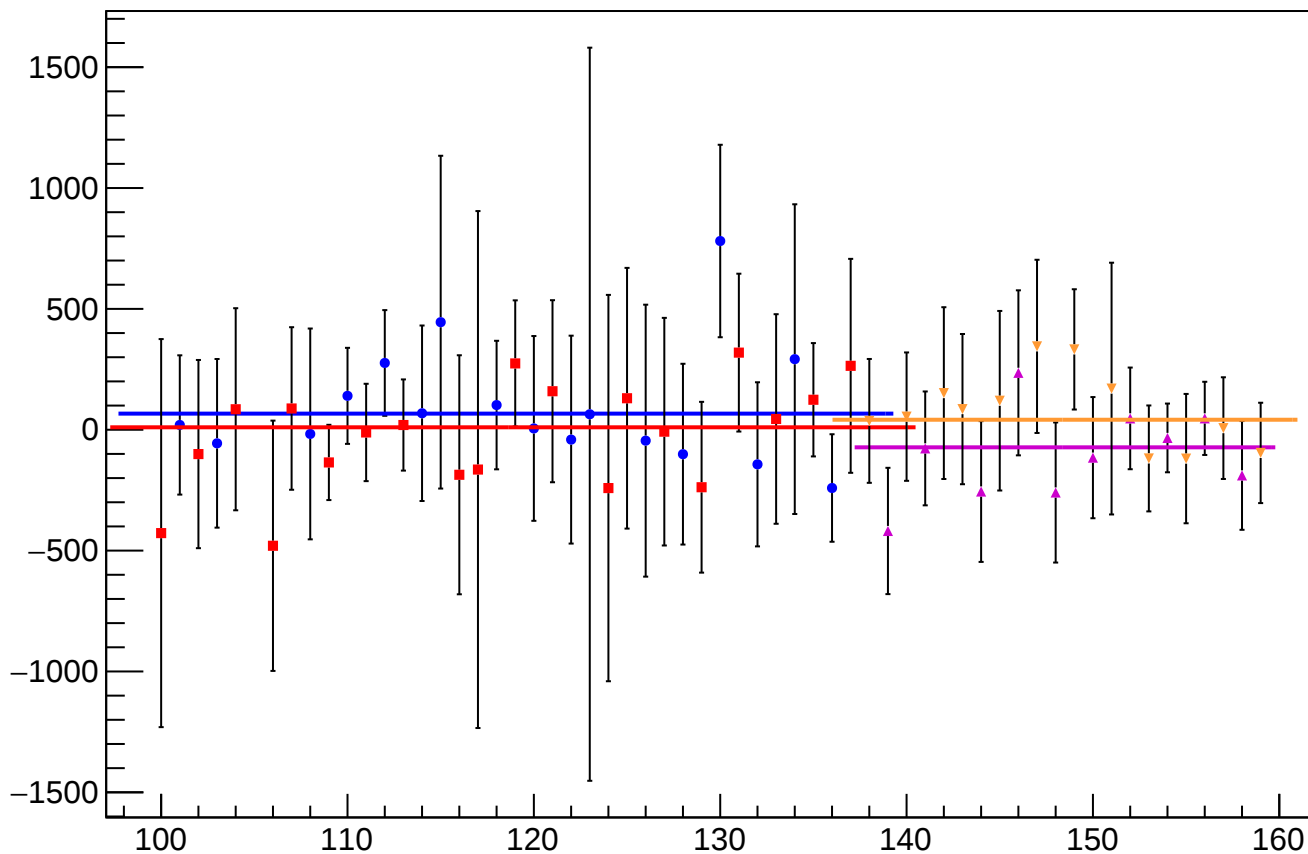
Right Out: 22.865 ± 0.006 χ^2/NDF : 11064.9/19

Left In: 22.640 ± 0.006 χ^2/NDF : 6031.8/9

22.842 ± 0.004 χ^2/NDF : 17682.7/28

22.744 ± 0.004 χ^2/NDF : 17840.8/29

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.701 $\pm$ 79.995 χ^2 /NDF: 7.5/16

Left Out: 41.400 $\pm$ 78.285 χ^2 /NDF:3.7/11

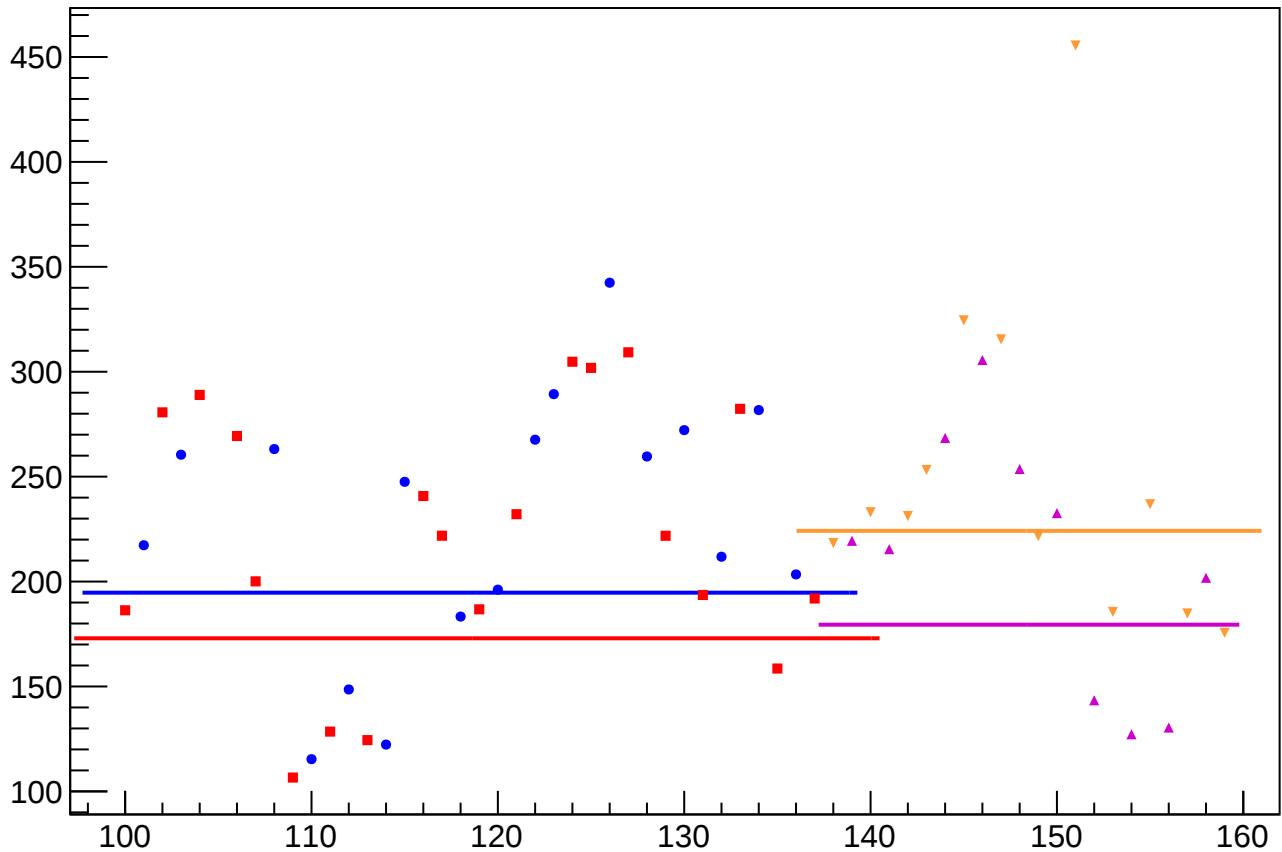
Right Out: 10.113 $\pm$ 70.234 χ^2 /NDF: 5.7/19

Left In: -72.764 $\pm$ 67.987 χ^2 /NDF:4.7/9

53.777 $\pm$ 55.951 χ^2 /NDF: 11.3/28

-32.673 $\pm$ 48.849 χ^2 /NDF: 11.1/29

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.703 $\pm$ 0.057 χ^2 /NDF: 1019872.4/16

Left Out: 224.167 $\pm$ 0.055 χ^2 /NDF:938293.1/11

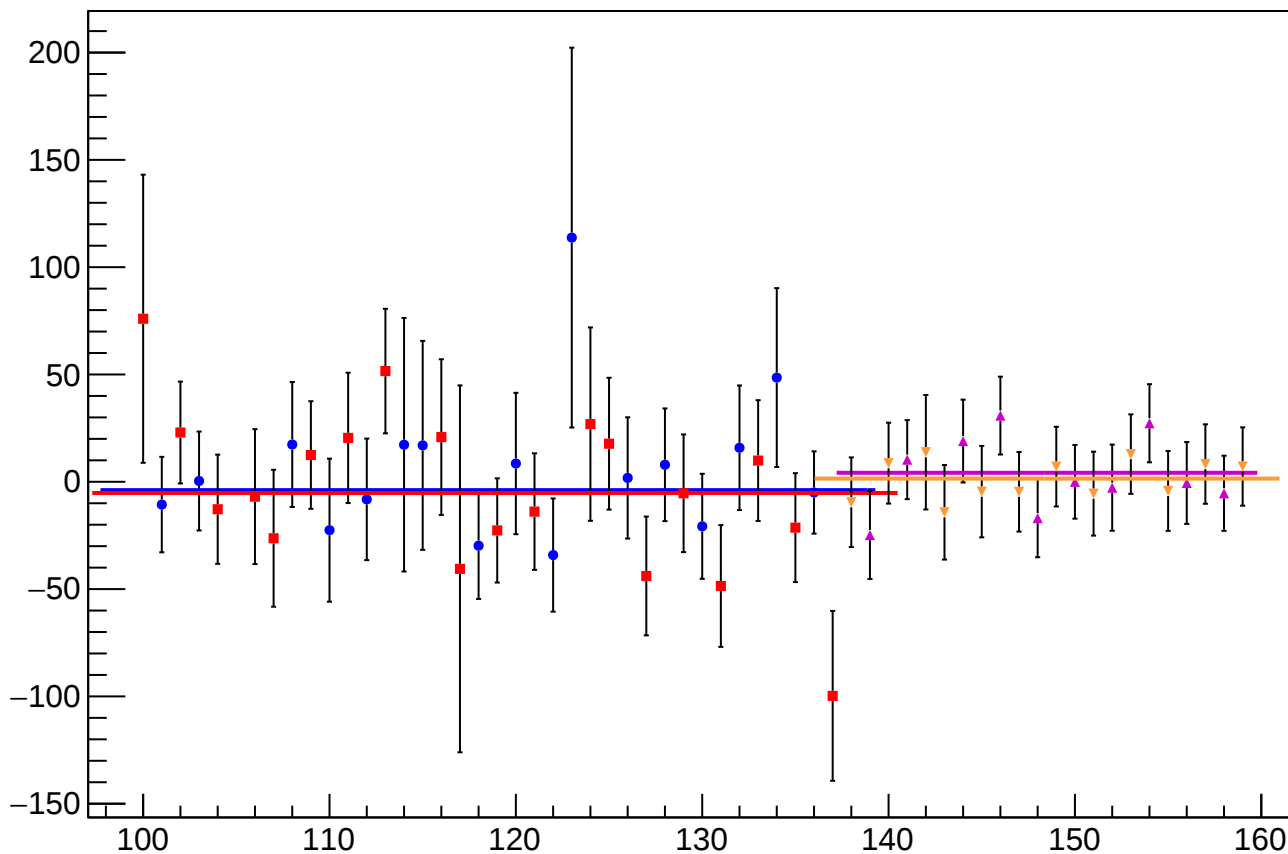
Right Out: 172.965 $\pm$ 0.050 χ^2 /NDF: 1601142.0/19

Left In: 179.451 $\pm$ 0.048 χ^2 /NDF:1332555.1/9

209.753 $\pm$ 0.040 χ^2 /NDF: 2096755.6/28

176.314 $\pm$ 0.035 χ^2 /NDF: 2942502.8/29

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 1.482 ± 5.687 χ^2/NDF : 2.3/11

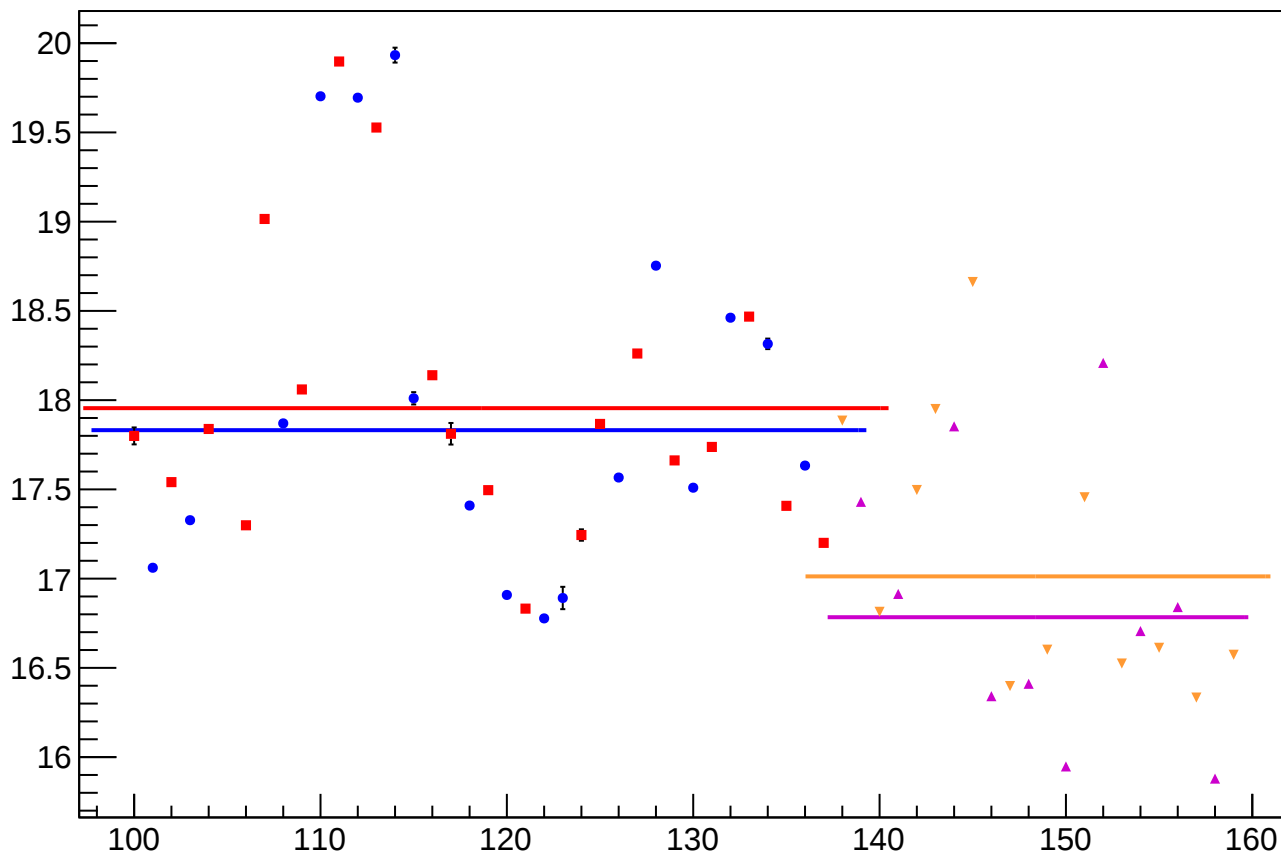
Right Out: -5.204 ± 6.706 χ^2/NDF : 21.5/19

Left In: 4.199 ± 5.875 χ^2/NDF : 8.4/9

-0.687 ± 4.393 χ^2/NDF : 11.0/28

0.116 ± 4.419 χ^2/NDF : 31.0/29

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 17.013 $\pm$ 0.004 χ^2 /NDF:30354.6/11

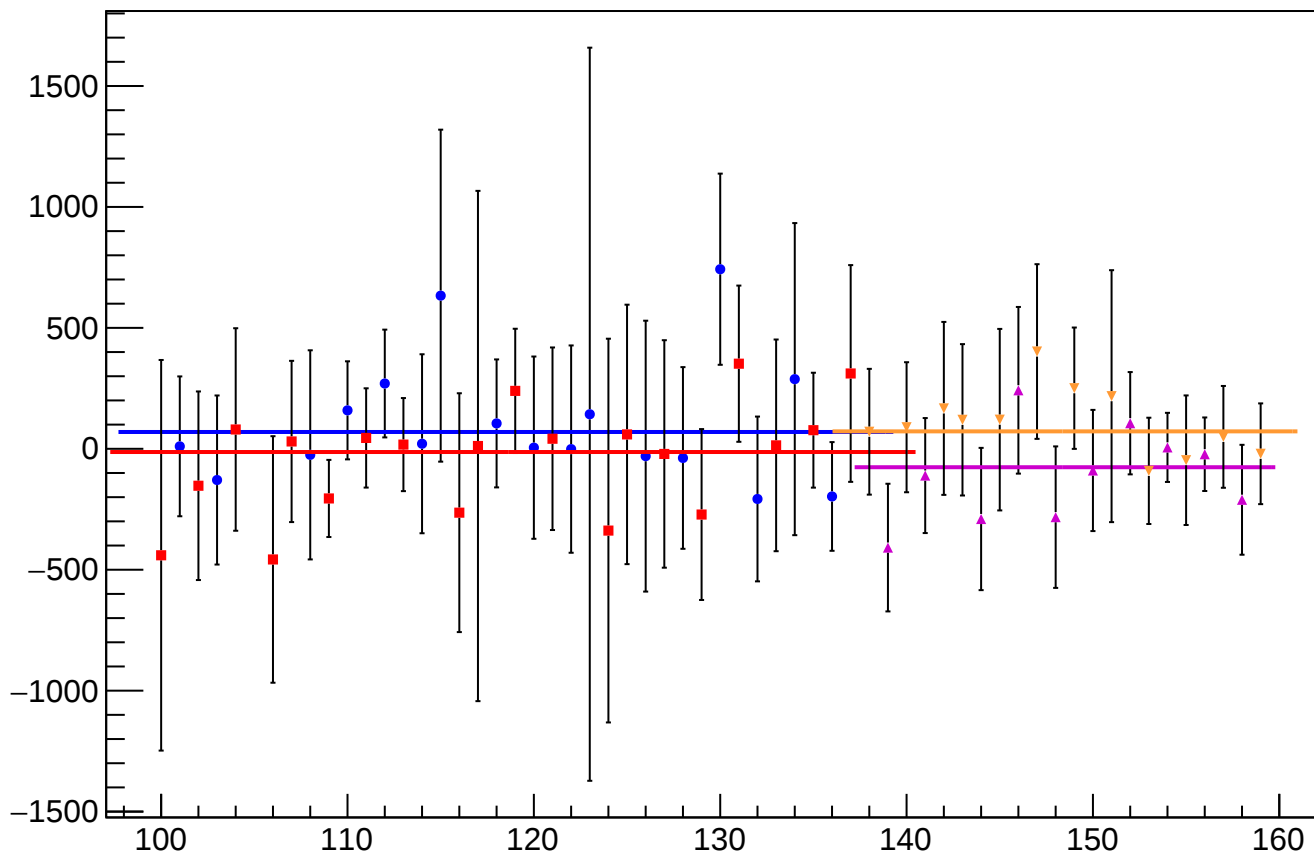
Right Out: 17.955 $\pm$ 0.005 χ^2 /NDF: 25454.6/19

Left In: 16.784 $\pm$ 0.004 χ^2 /NDF:30466.9/9

17.343 $\pm$ 0.003 χ^2 /NDF: 77962.3/28

17.292 $\pm$ 0.003 χ^2 /NDF: 90437.4/29

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511 ± 80.550 $\chi^2/\text{NDF}: 7.4/16$

Left Out: 72.070 ± 78.740 $\chi^2/\text{NDF}: 2.5/11$

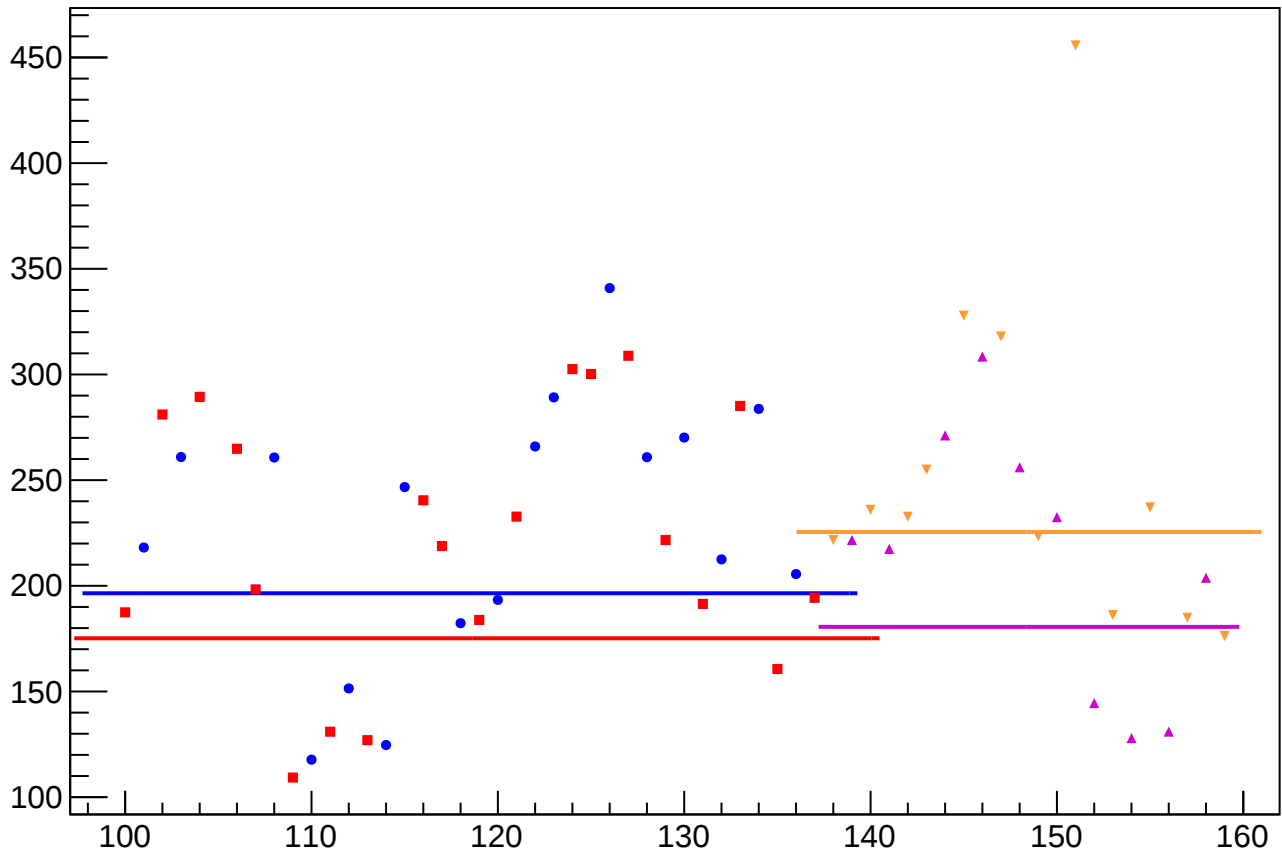
Right Out: -13.298 ± 70.881 $\chi^2/\text{NDF}: 6.7/19$

Left In: -76.193 ± 68.417 $\chi^2/\text{NDF}: 5.0/9$

70.819 ± 56.307 $\chi^2/\text{NDF}: 9.9/28$

-45.858 ± 49.226 $\chi^2/\text{NDF}: 12.2/29$

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.470 +/- 0.057 χ^2/NDF : 964281.5/16

Left Out: 225.437 +/- 0.056 χ^2/NDF : 947121.1/11

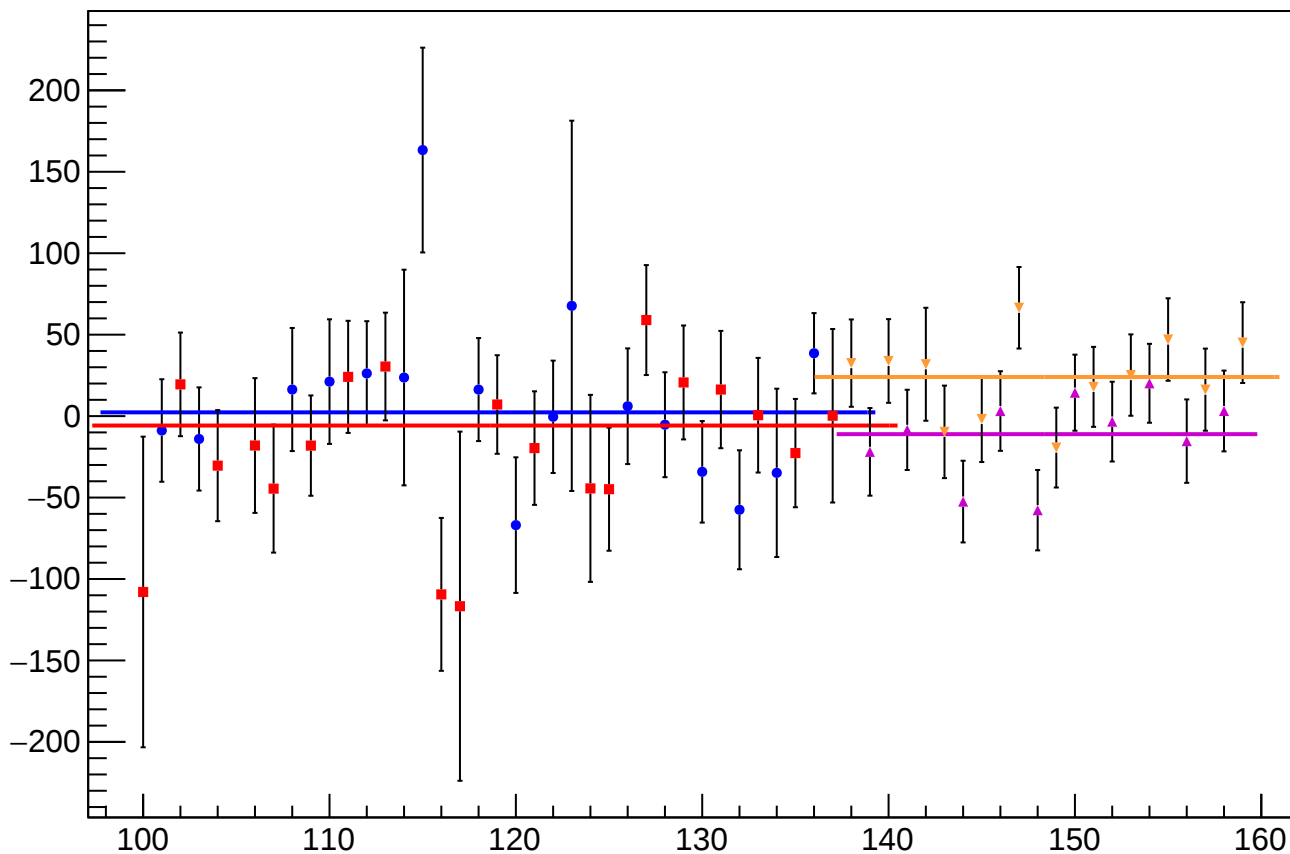
Right Out: 175.179 +/- 0.050 χ^2/NDF : 1514541.6/19

Left In: 180.573 +/- 0.048 χ^2/NDF : 1344232.6/9

211.283 +/- 0.040 χ^2/NDF : 2043659.0/28

177.971 +/- 0.035 χ^2/NDF : 2864769.9/29

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 24.018 ± 7.518 $\chi^2/\text{NDF}: 10.4/11$

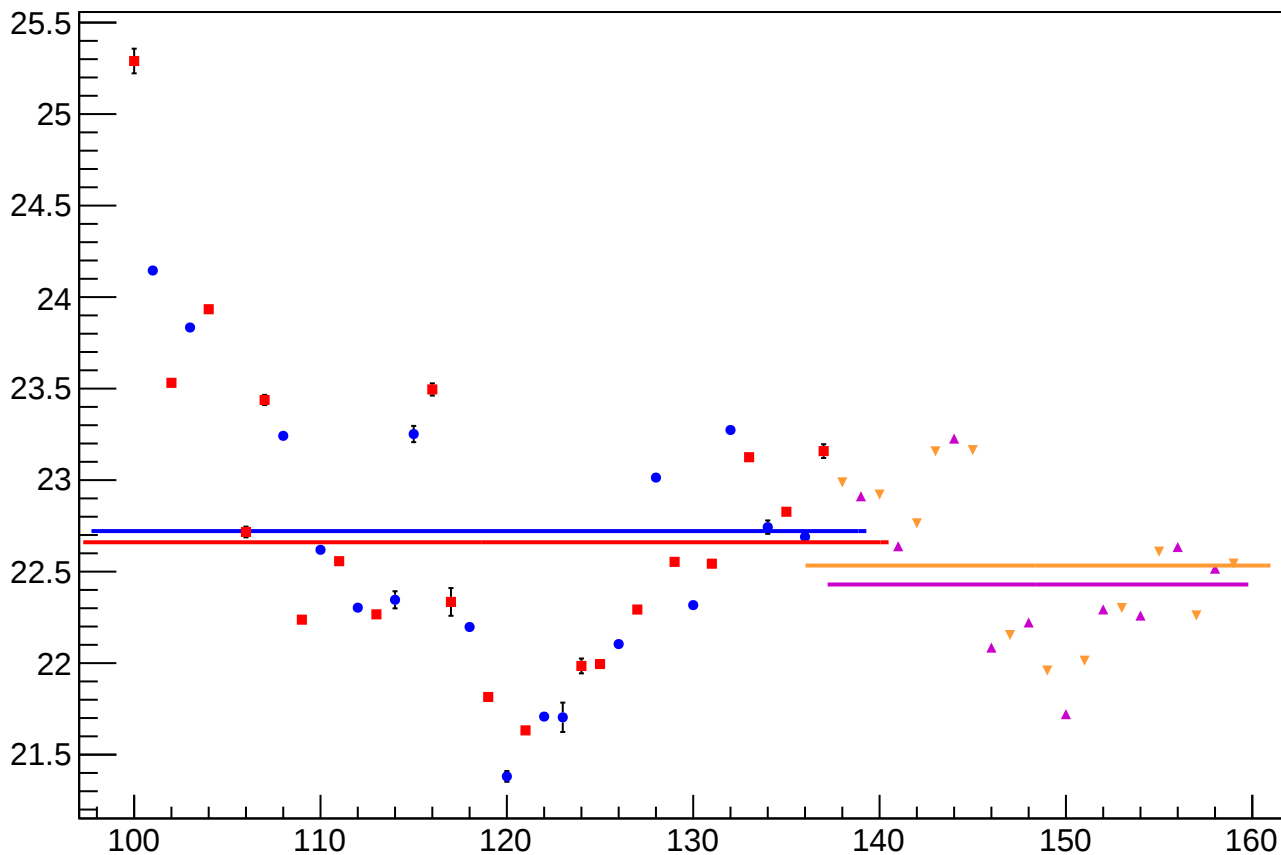
Right Out: -5.783 ± 8.453 $\chi^2/\text{NDF}: 18.2/19$

Left In: -11.081 ± 7.834 $\chi^2/\text{NDF}: 10.1/9$

14.864 ± 5.717 $\chi^2/\text{NDF}: 32.0/28$

-8.633 ± 5.746 $\chi^2/\text{NDF}: 28.5/29$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.722 ± 0.006 χ^2/NDF : 13580.6/16

Left Out: 22.533 ± 0.005 χ^2/NDF : 6101.7/11

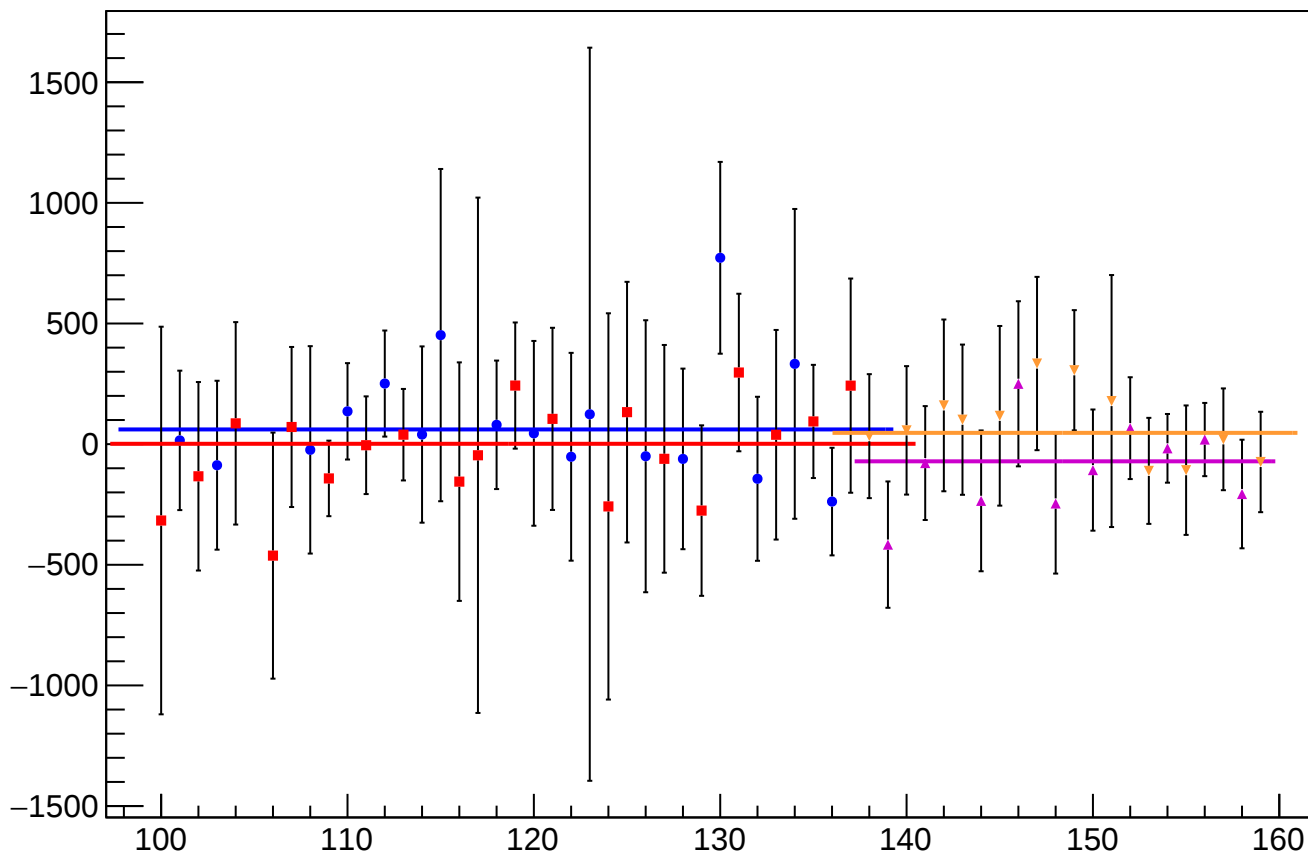
Right Out: 22.660 ± 0.006 χ^2/NDF : 12974.2/19

Left In: 22.430 ± 0.006 χ^2/NDF : 5497.7/9

22.613 ± 0.004 χ^2/NDF : 20210.8/28

22.536 ± 0.004 χ^2/NDF : 19273.4/29

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 46.774 $\pm$ 78.468 χ^2 /NDF: 3.2/11

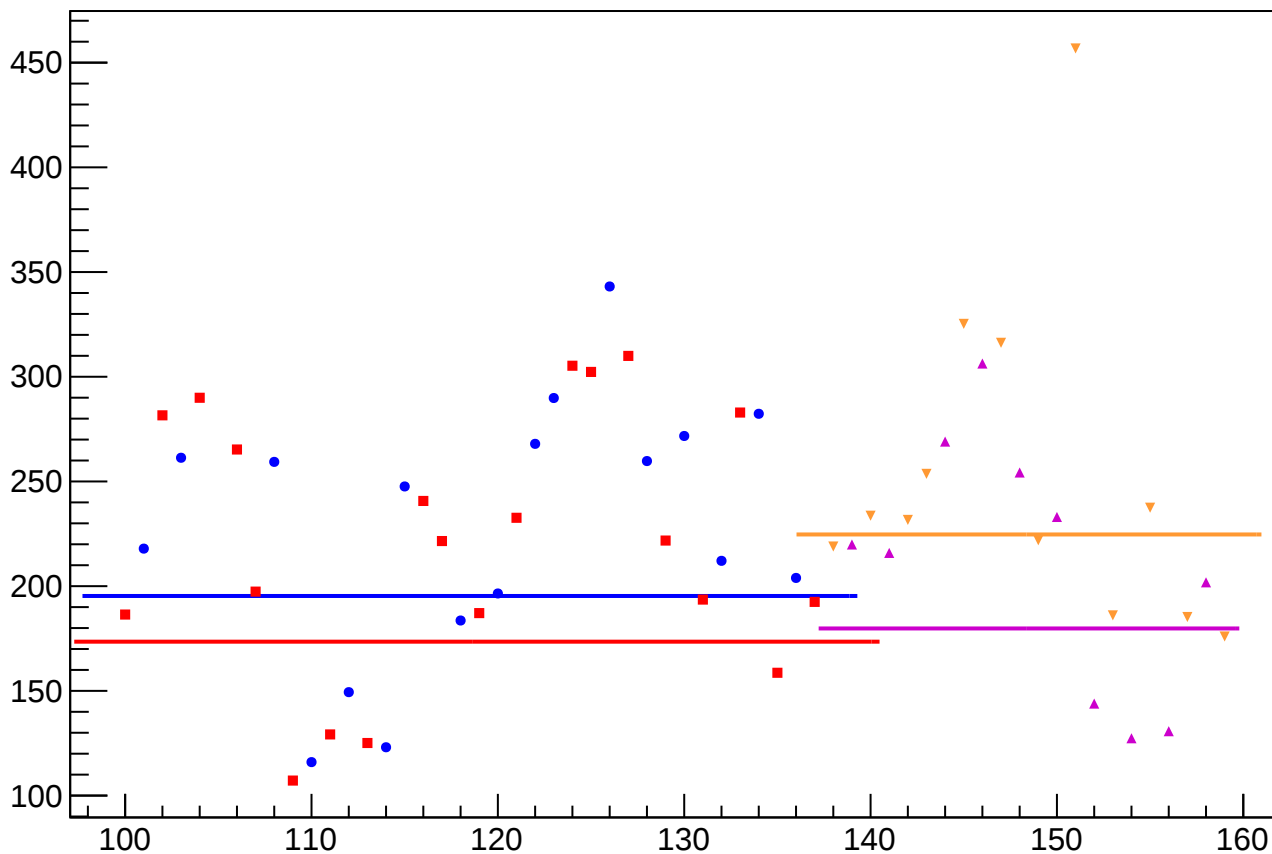
Right Out: 1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

Left In: -71.213 $\pm$ 68.121 χ^2 /NDF: 4.6/9

53.712 $\pm$ 56.087 χ^2 /NDF: 10.4/28

-36.079 $\pm$ 48.953 χ^2 /NDF: 10.3/29

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.316 $\pm$ 0.057 χ^2 /NDF: 1004211.5/16

210.323 $\pm$ 0.040 χ^2 /NDF: 2079563.2/28

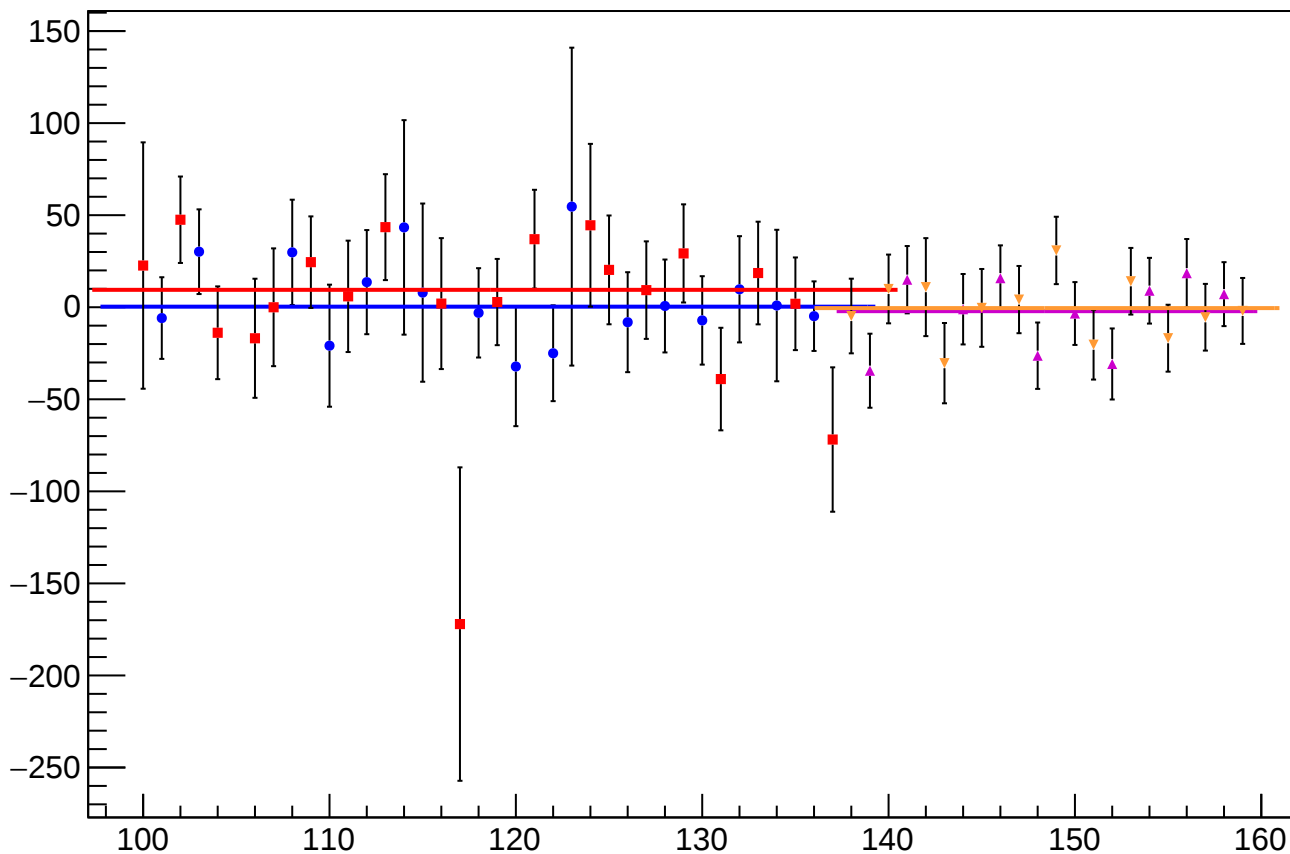
Left Out: 224.690 $\pm$ 0.055 χ^2 /NDF:938269.9/11

Right Out: 173.495 $\pm$ 0.050 χ^2 /NDF: 1582449.6/19

176.752 $\pm$ 0.035 χ^2 /NDF: 2923444.3/29

Left In: 179.803 $\pm$ 0.048 χ^2 /NDF:1332701.6/9

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.305 ± 6.812 χ^2/NDF : 6.8/16

Left Out: -0.473 ± 5.584 χ^2/NDF : 8.1/11

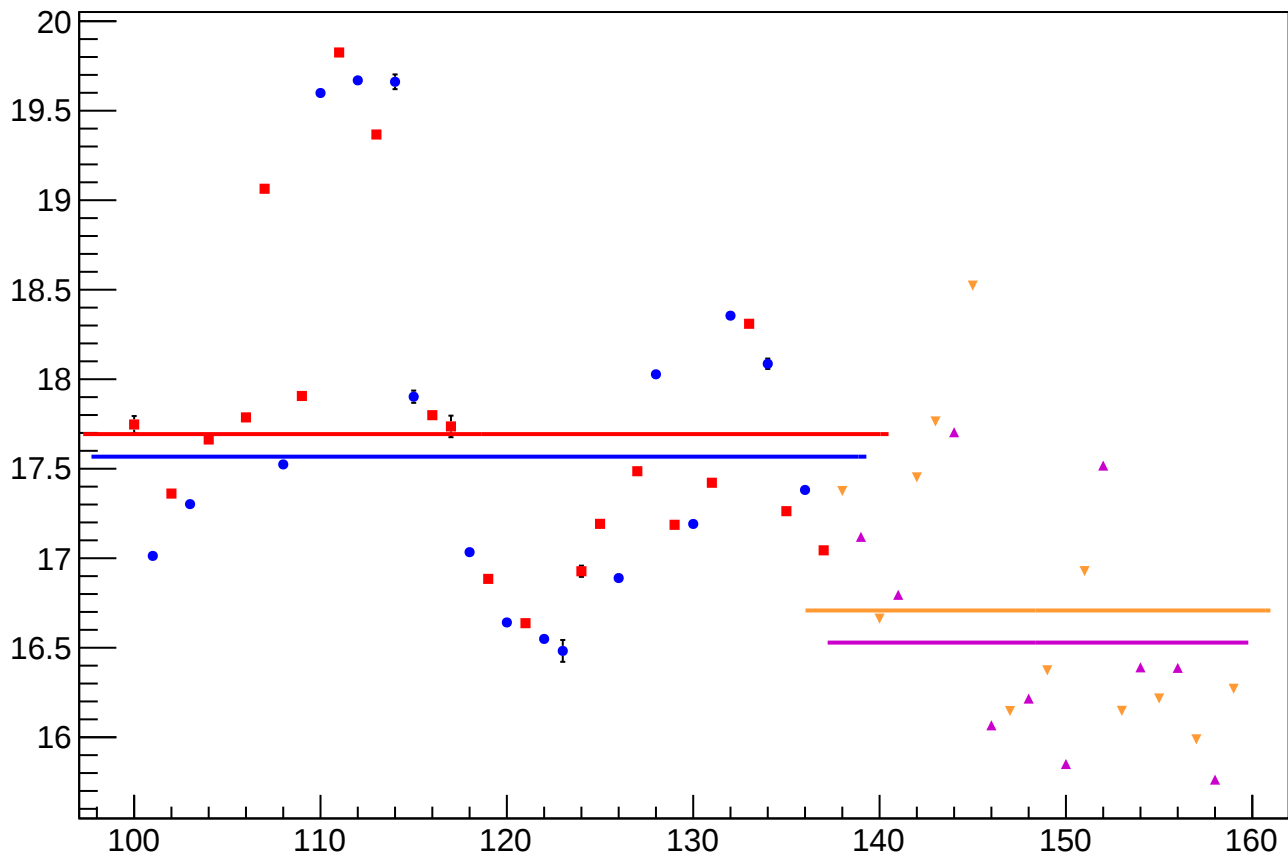
Right Out: 9.452 ± 6.608 χ^2/NDF : 20.6/19

Left In: -2.136 ± 5.783 χ^2/NDF : 10.4/9

-0.160 ± 4.319 χ^2/NDF : 14.8/28

2.890 ± 4.352 χ^2/NDF : 32.8/29

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567 ± 0.005 χ^2/NDF : 33145.0/16

Left Out: 16.708 ± 0.004 χ^2/NDF : 33743.6/11

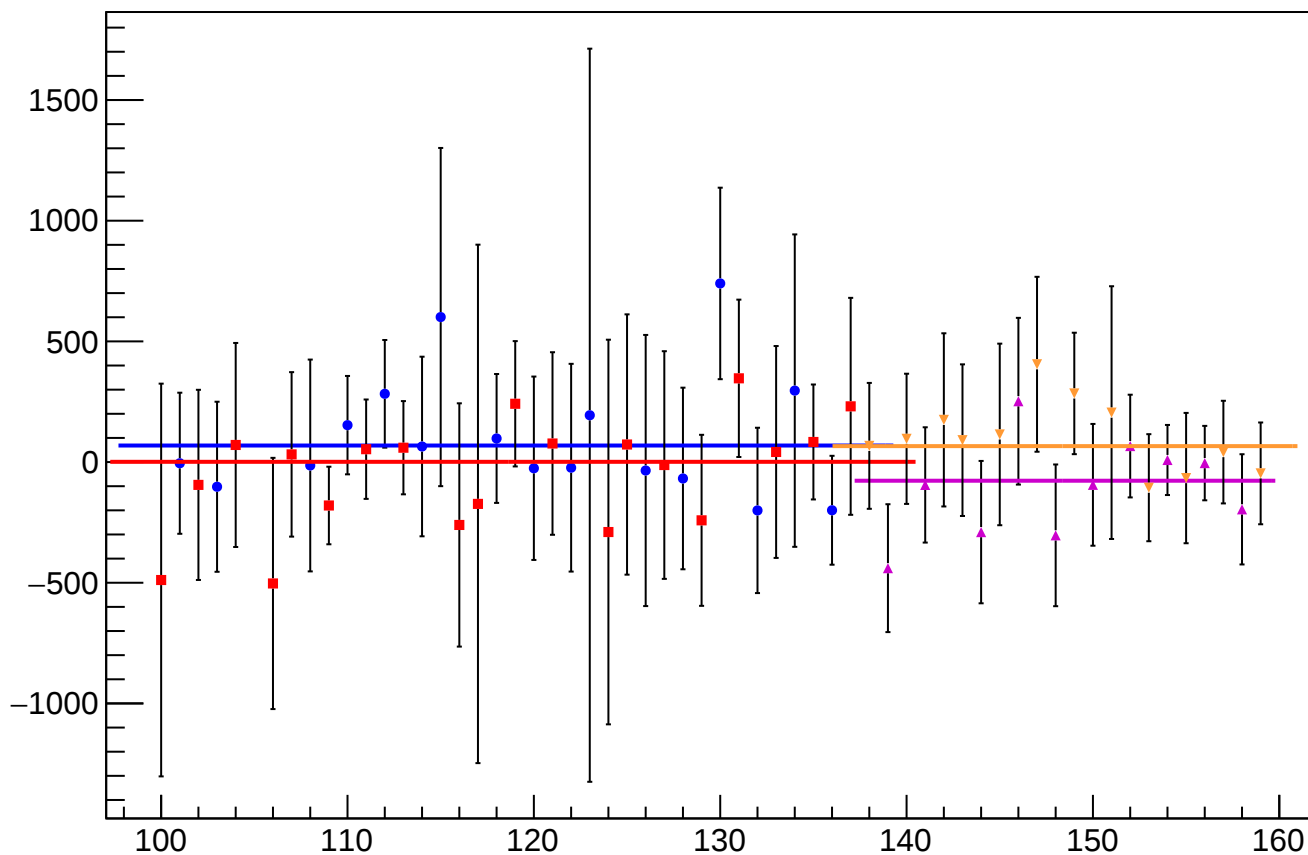
Right Out: 17.693 ± 0.005 χ^2/NDF : 30767.6/19

Left In: 16.529 ± 0.004 χ^2/NDF : 24177.4/9

17.053 ± 0.003 χ^2/NDF : 85922.2/28

17.034 ± 0.003 χ^2/NDF : 90132.1/29

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.553 $\pm$ 81.018 χ^2 /NDF: 7.3/16

Left Out: 66.059 $\pm$ 79.266 χ^2 /NDF: 3.0/11

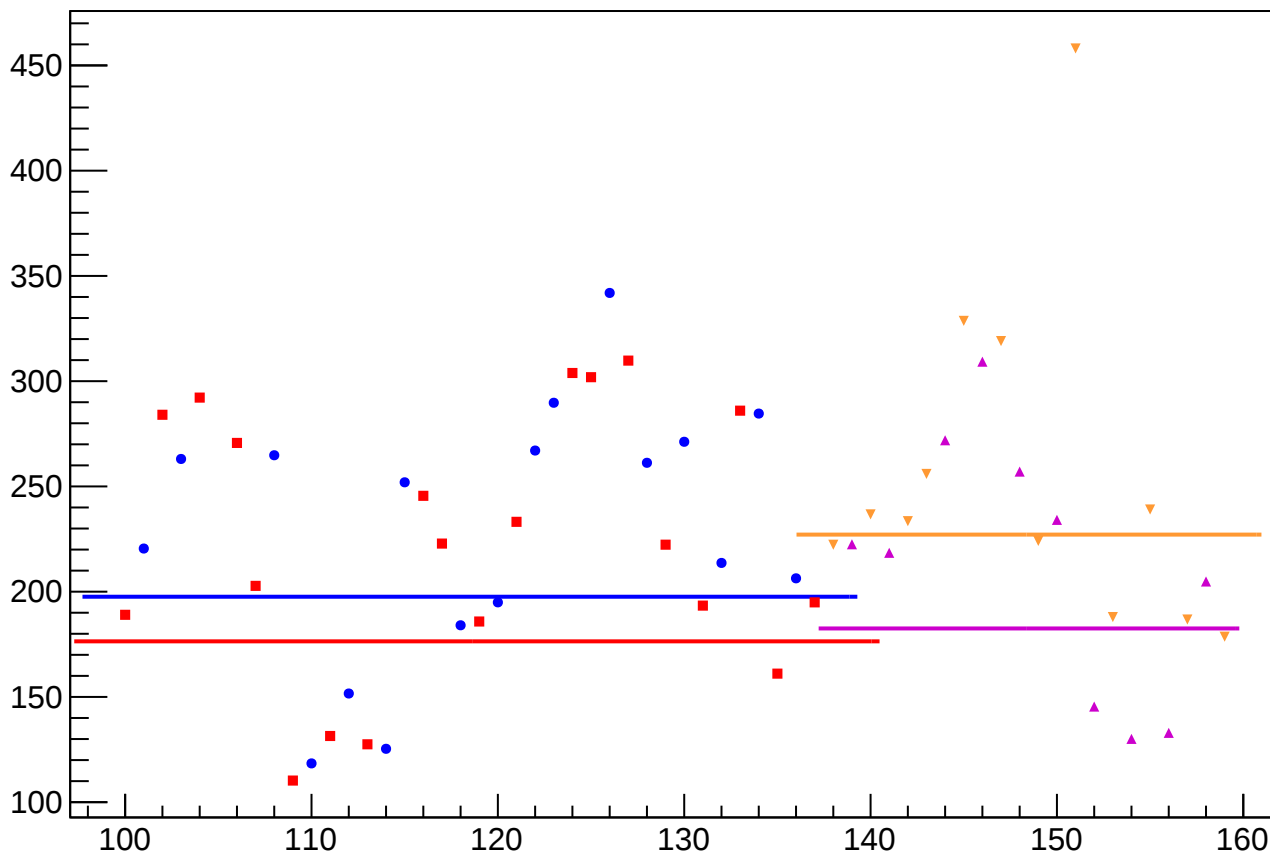
Right Out: 1.057 $\pm$ 71.380 χ^2 /NDF: 6.1/19

Left In: -77.303 $\pm$ 69.050 χ^2 /NDF: 5.2/9

67.279 $\pm$ 56.659 χ^2 /NDF: 10.3/28

-39.423 $\pm$ 49.629 χ^2 /NDF: 12.0/29

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 227.115 $\pm$ 0.056 χ^2 /NDF: 928678.9/11

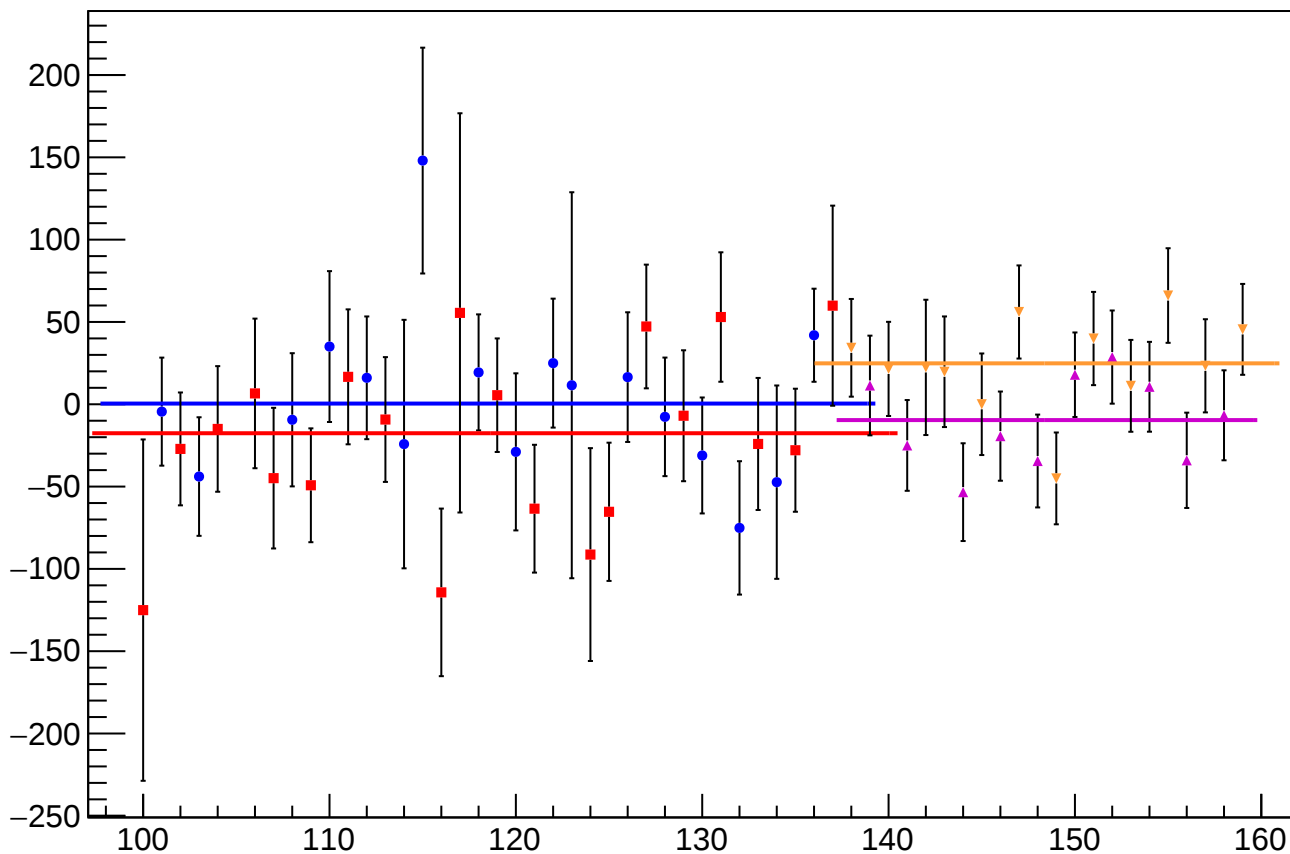
Right Out: 176.407 $\pm$ 0.050 χ^2 /NDF: 1523589.5/19

Left In: 182.530 $\pm$ 0.049 χ^2 /NDF: 1304189.9/9

212.682 $\pm$ 0.040 χ^2 /NDF: 2033094.3/28

179.570 $\pm$ 0.035 χ^2 /NDF: 2835380.0/29

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 ± 9.884 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 24.857 ± 8.535 $\chi^2/\text{NDF}: 11.4/11$

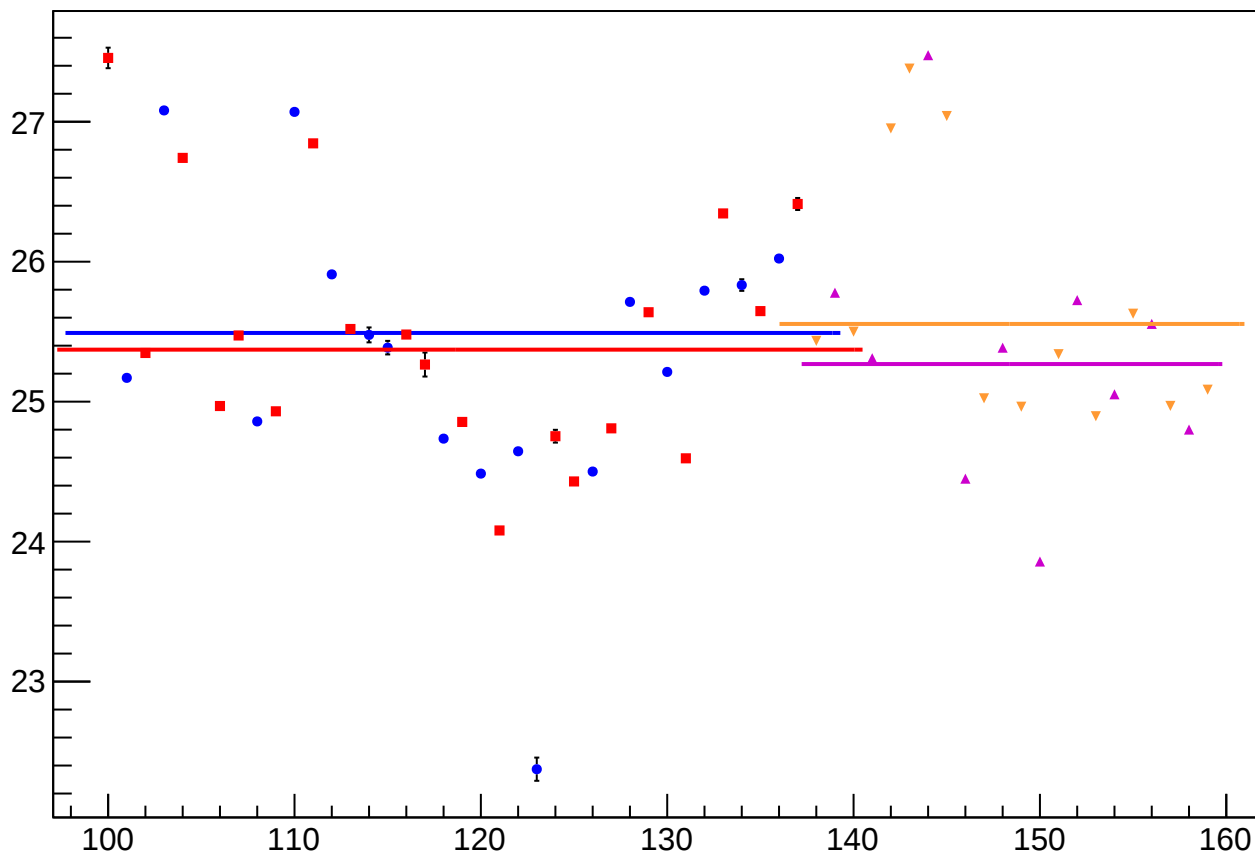
Right Out: -17.595 ± 9.470 $\chi^2/\text{NDF}: 19.8/19$

Left In: -9.609 ± 8.838 $\chi^2/\text{NDF}: 8.1/9$

14.421 ± 6.460 $\chi^2/\text{NDF}: 30.4/28$

-13.327 ± 6.461 $\chi^2/\text{NDF}: 28.3/29$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.491 $\pm$ 0.007 χ^2 /NDF: 13713.0/16

Left Out: 25.555 $\pm$ 0.006 χ^2 /NDF:17174.0/11

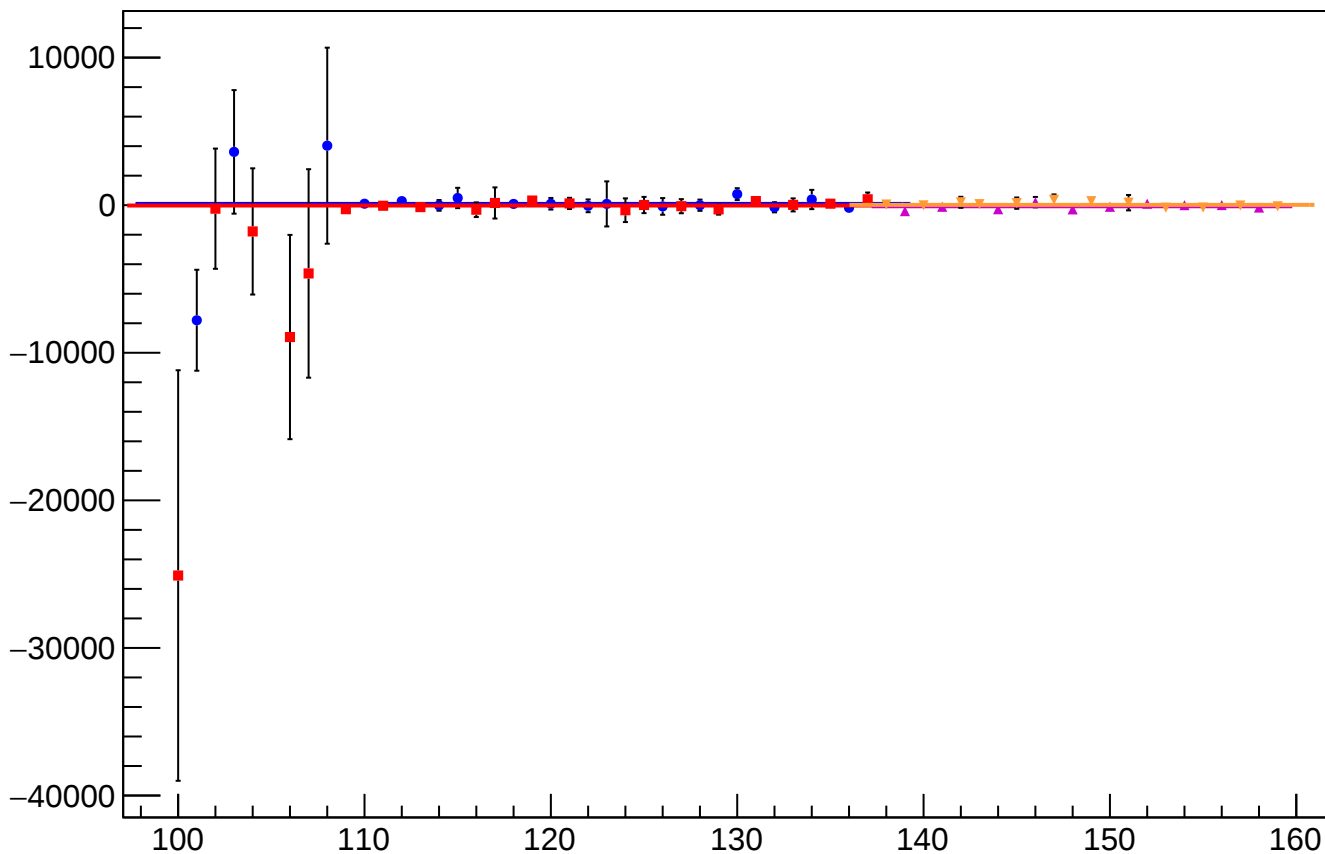
Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13552.0/19

Left In: 25.269 $\pm$ 0.006 χ^2 /NDF:20950.5/9

25.528 $\pm$ 0.005 χ^2 /NDF: 30935.5/28

25.317 $\pm$ 0.005 χ^2 /NDF: 34628.7/29

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: 21.987+/-81.013 χ^2/NDF : 3.6/11

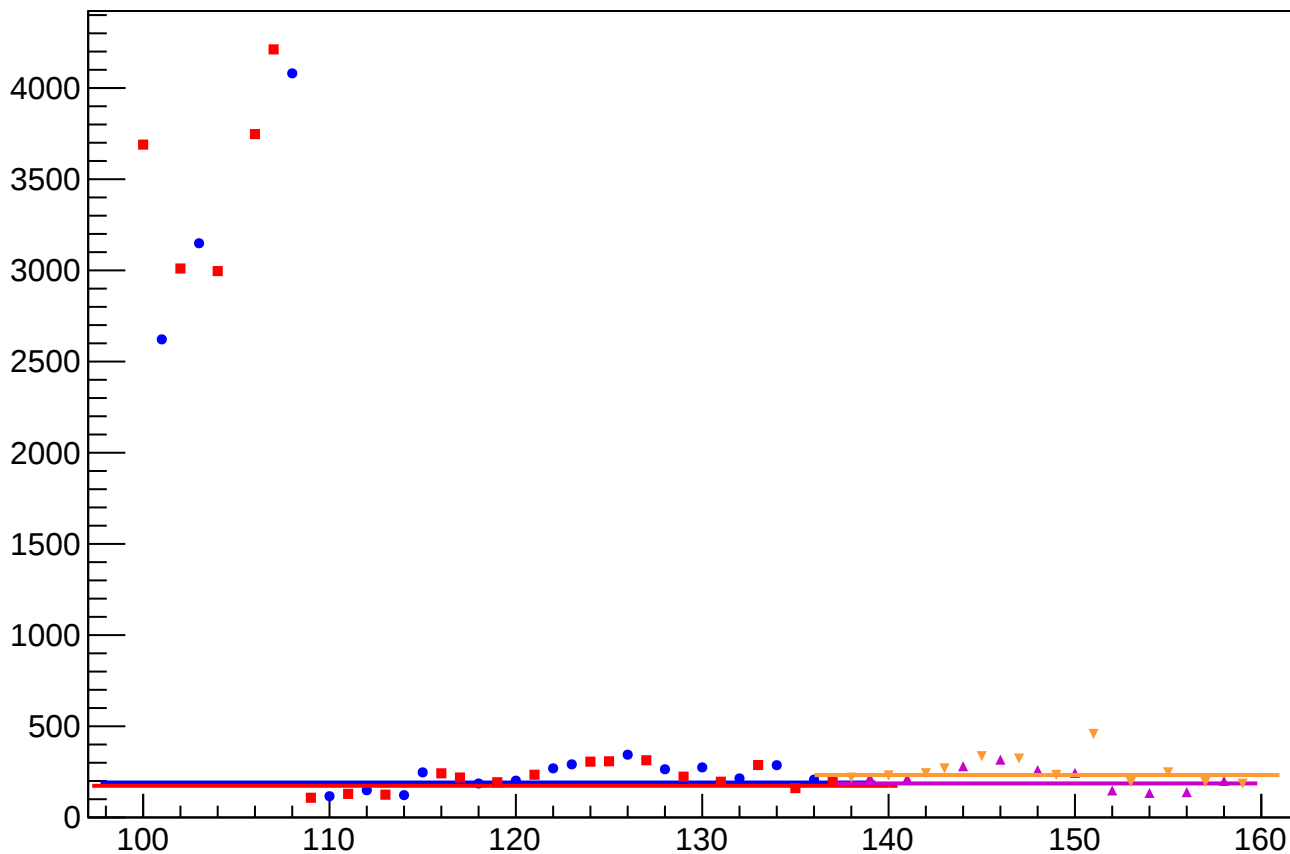
Right Out: -22.332+/-80.711 χ^2/NDF : 11.9/19

Left In: -72.293+/-70.366 χ^2/NDF : 4.5/9

51.454+/-59.733 χ^2/NDF : 16.4/28

-50.718+/-53.039 χ^2/NDF : 16.7/29

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.478+/-0.063 χ^2/NDF : 3573154.3/16

Left Out: 232.613+/-0.057 χ^2/NDF : 891208.3/11

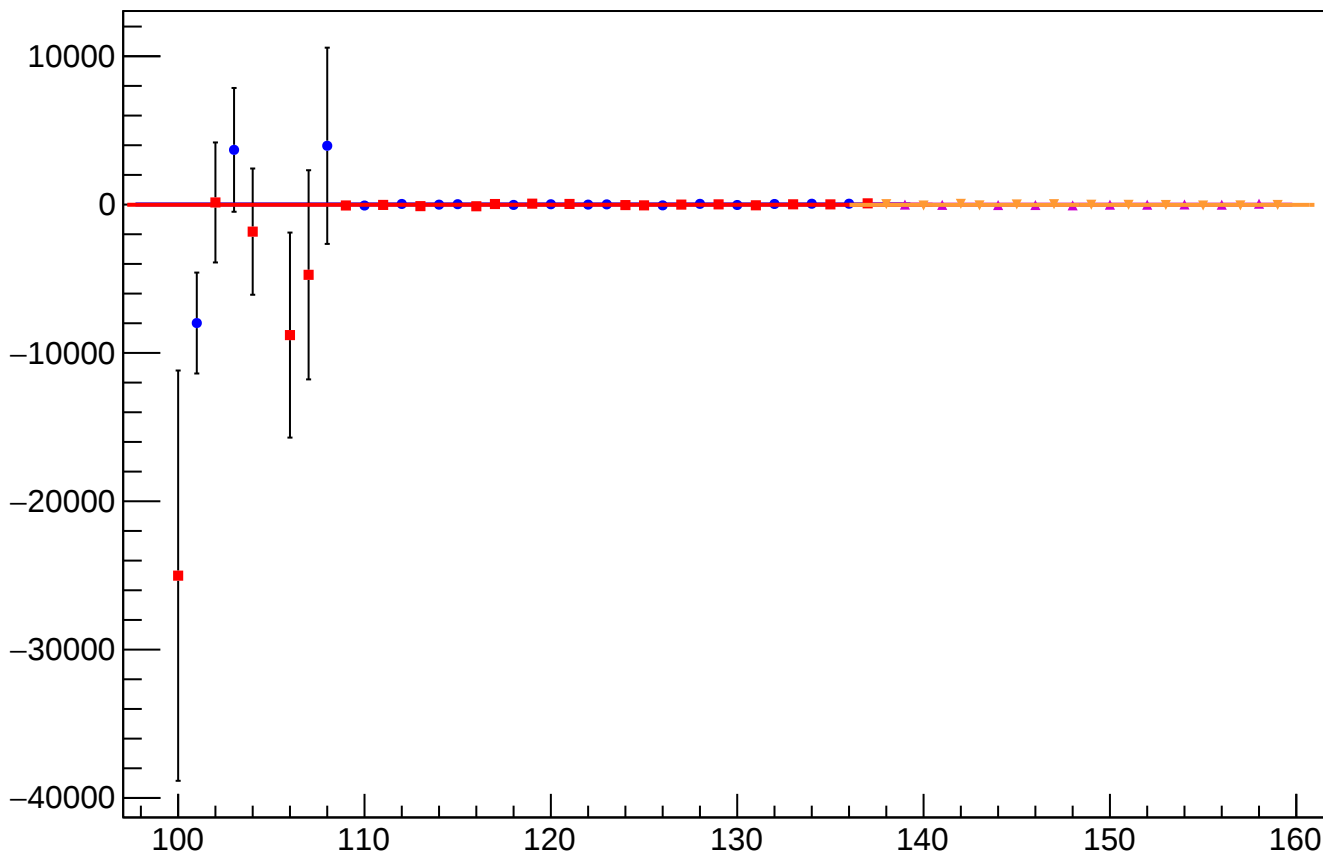
Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

Left In: 186.599+/-0.050 χ^2/NDF : 1227484.9/9

213.841+/-0.042 χ^2/NDF : 4699669.0/28

180.971+/-0.038 χ^2/NDF : 5468280.8/29

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.286 $\pm$ 12.282 χ^2 /NDF: 18.4/16

Left Out: -19.409 $\pm$ 10.000 χ^2 /NDF: 11.9/11

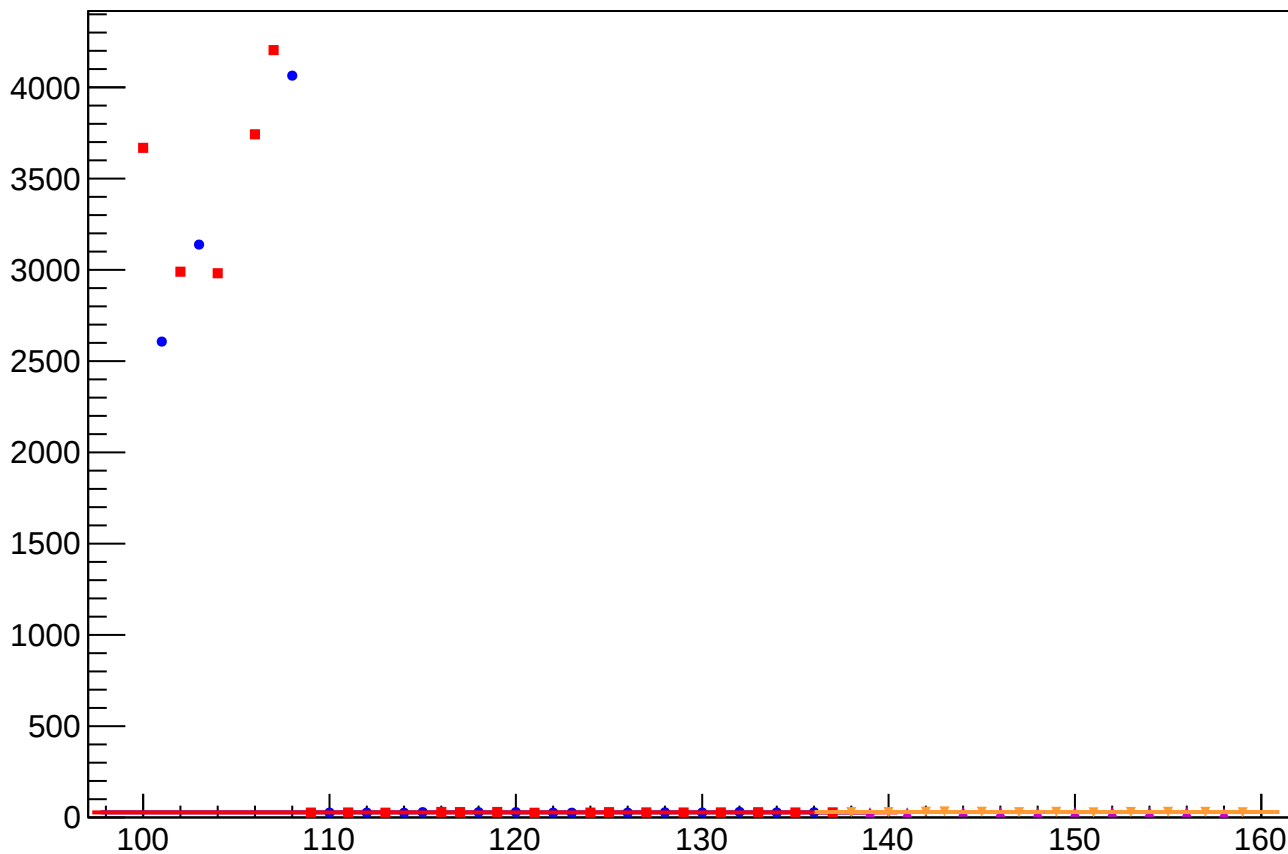
Right Out: -12.296 $\pm$ 12.186 χ^2 /NDF: 24.9/19

Left In: -6.679 $\pm$ 10.412 χ^2 /NDF: 8.5/9

-7.572 $\pm$ 7.755 χ^2 /NDF: 33.8/28

-9.049 $\pm$ 7.916 χ^2 /NDF: 33.5/29

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.855+/-0.009 χ^2 /NDF: 3027666.8/16

Left Out: 29.895+/-0.007 χ^2 /NDF:36399.5/11

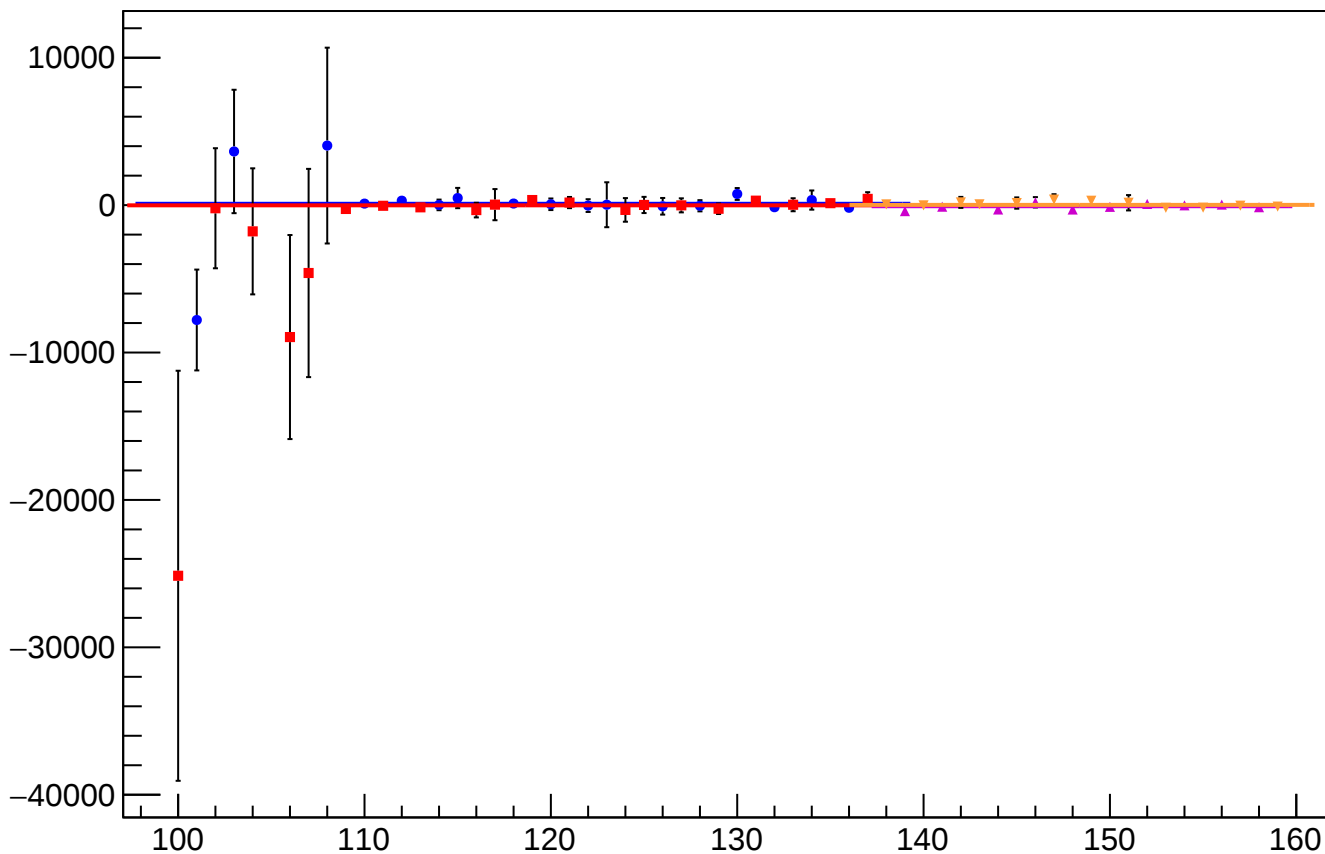
Right Out: 27.707+/-0.009 χ^2 /NDF: 3477132.0/19

Left In: 29.691+/-0.007 χ^2 /NDF:56830.0/9

29.082+/-0.005 χ^2 /NDF: 3097251.5/28

28.854+/-0.006 χ^2 /NDF: 3564589.1/29

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: 16.539+/-80.829 χ^2/NDF : 4.1/11

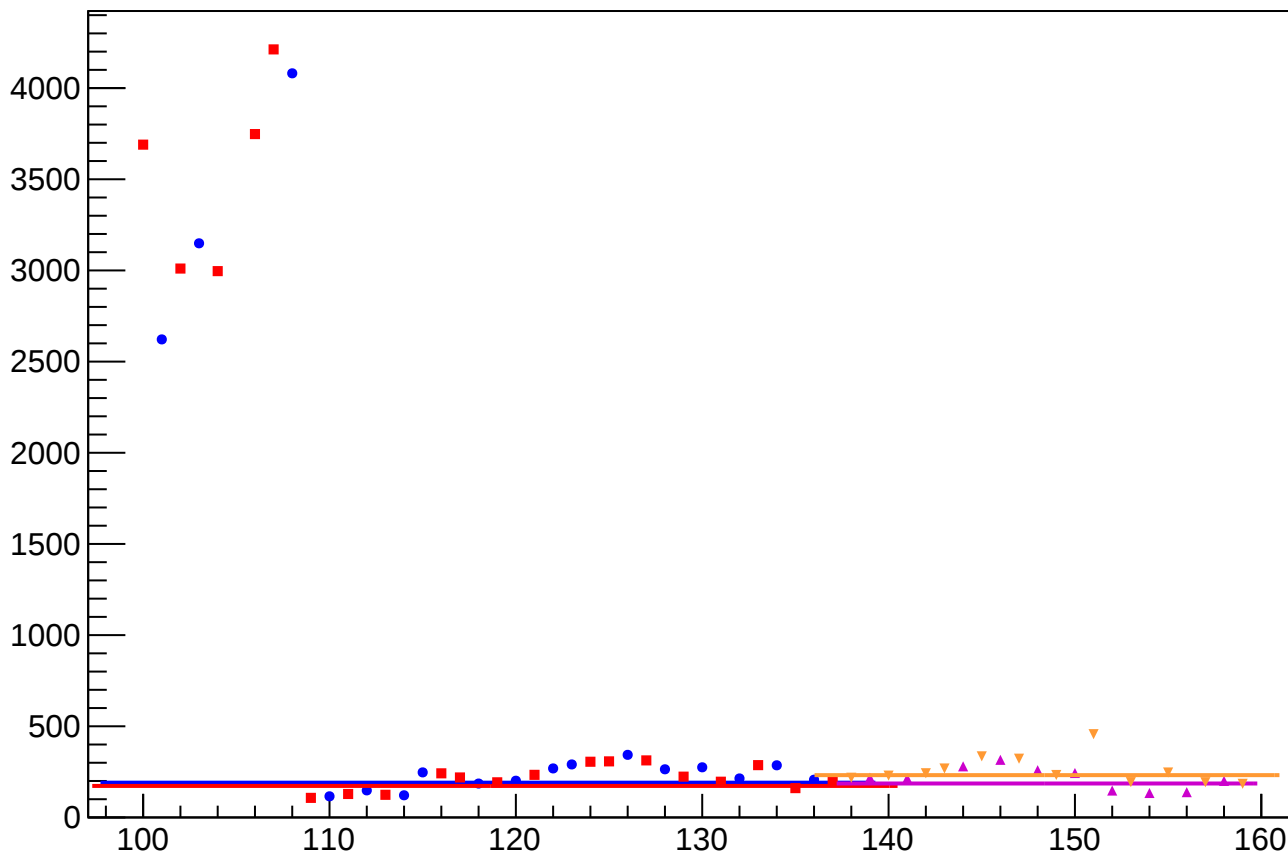
Right Out: -13.075+/-80.452 χ^2/NDF : 12.7/19

Left In: -73.899+/-70.232 χ^2/NDF : 4.6/9

50.447+/-59.575 χ^2/NDF : 17.3/28

-47.594+/-52.908 χ^2/NDF : 17.6/29

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 232.087+/-0.057 χ^2/NDF : 891269.5/11

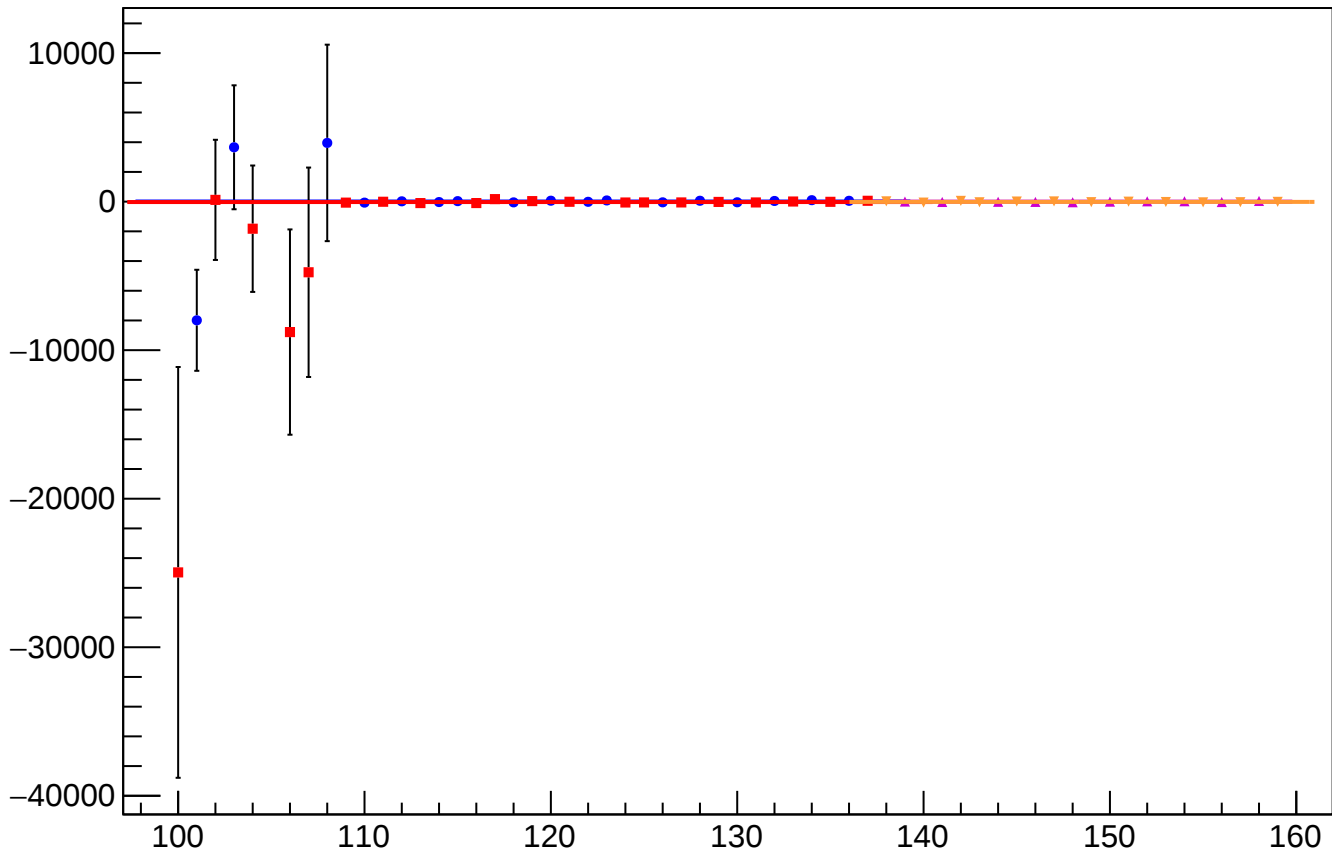
Right Out: 172.900+/-0.057 χ^2/NDF : 4222511.2/19

Left In: 186.248+/-0.050 χ^2/NDF : 1227199.1/9

213.214+/-0.042 χ^2/NDF : 4714998.7/28

180.475+/-0.037 χ^2/NDF : 5480954.2/29

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -17.102 $\pm$ 10.079 χ^2 /NDF: 8.8/11

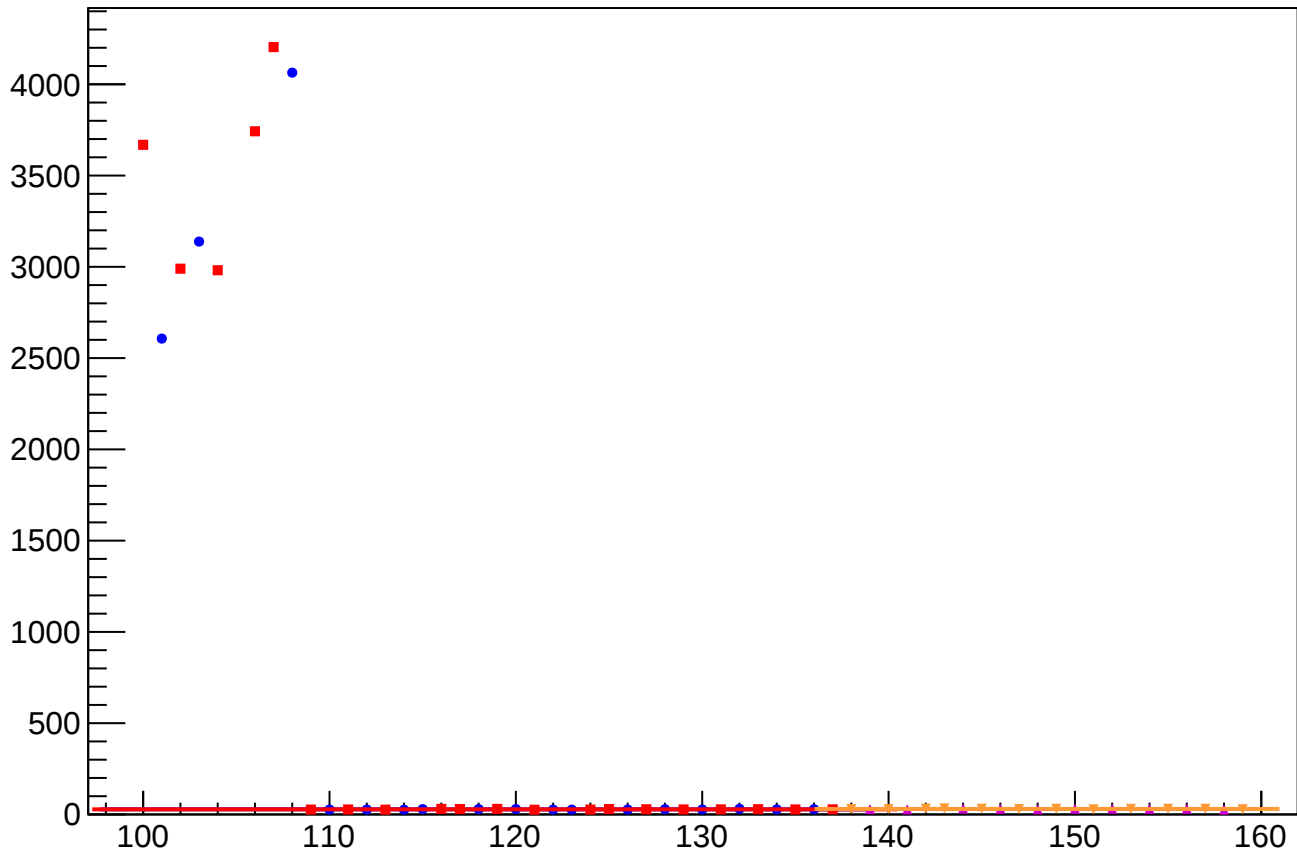
Right Out: -27.898 $\pm$ 12.287 χ^2 /NDF: 18.8/19

Left In: -1.296 $\pm$ 10.472 χ^2 /NDF: 6.6/9

-6.844 $\pm$ 7.813 χ^2 /NDF: 34.6/28

-12.490 $\pm$ 7.970 χ^2 /NDF: 28.1/29

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.044+/-0.009 χ^2/NDF : 3027898.7/16

Left Out: 30.128+/-0.007 χ^2/NDF : 38258.1/11

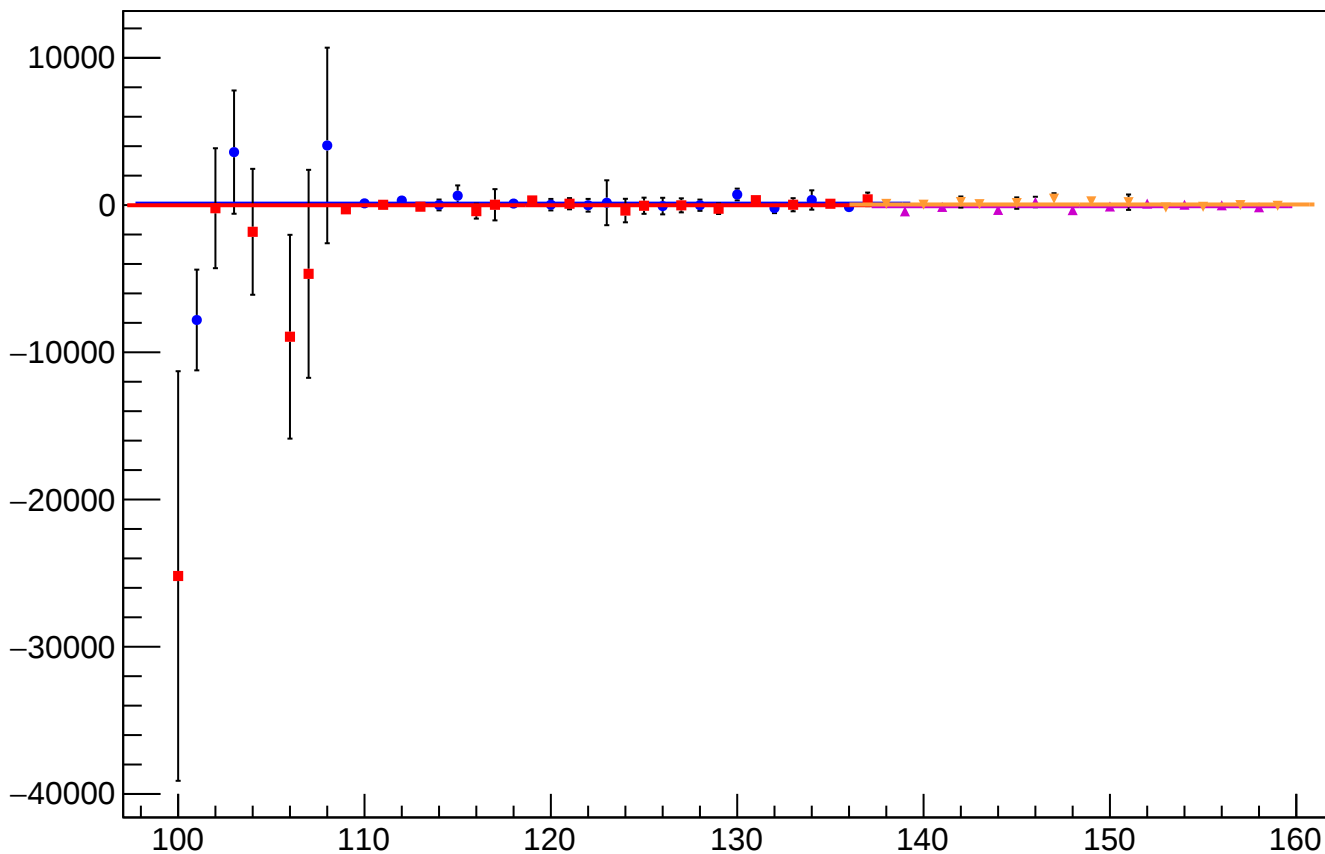
Right Out: 27.930+/-0.009 χ^2/NDF : 3479947.6/19

Left In: 29.866+/-0.007 χ^2/NDF : 58600.1/9

29.296+/-0.006 χ^2/NDF : 3100293.8/28

29.051+/-0.006 χ^2/NDF : 3567302.3/29

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 98.142+/-89.203 χ^2/NDF : 12.5/16

Left Out: 41.338+/-81.809 χ^2/NDF : 3.5/11

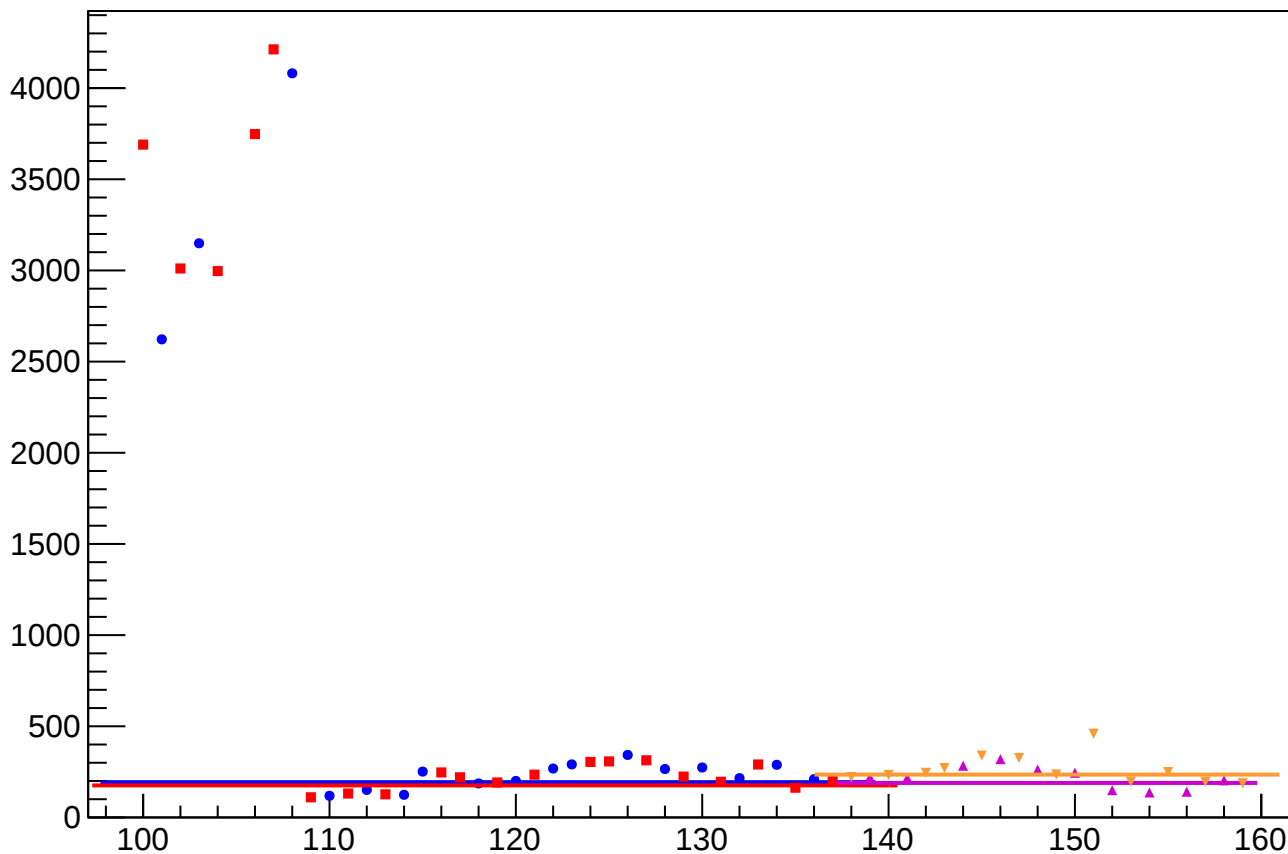
Right Out: -11.533+/-81.530 χ^2/NDF : 12.3/19

Left In: -78.313+/-71.290 χ^2/NDF : 5.3/9

67.288+/-60.292 χ^2/NDF : 16.2/28

-49.378+/-53.667 χ^2/NDF : 17.9/29

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.516 ± 0.063 χ^2/NDF : 3536947.8/16

Left Out: 235.037 ± 0.058 χ^2/NDF : 881309.4/11

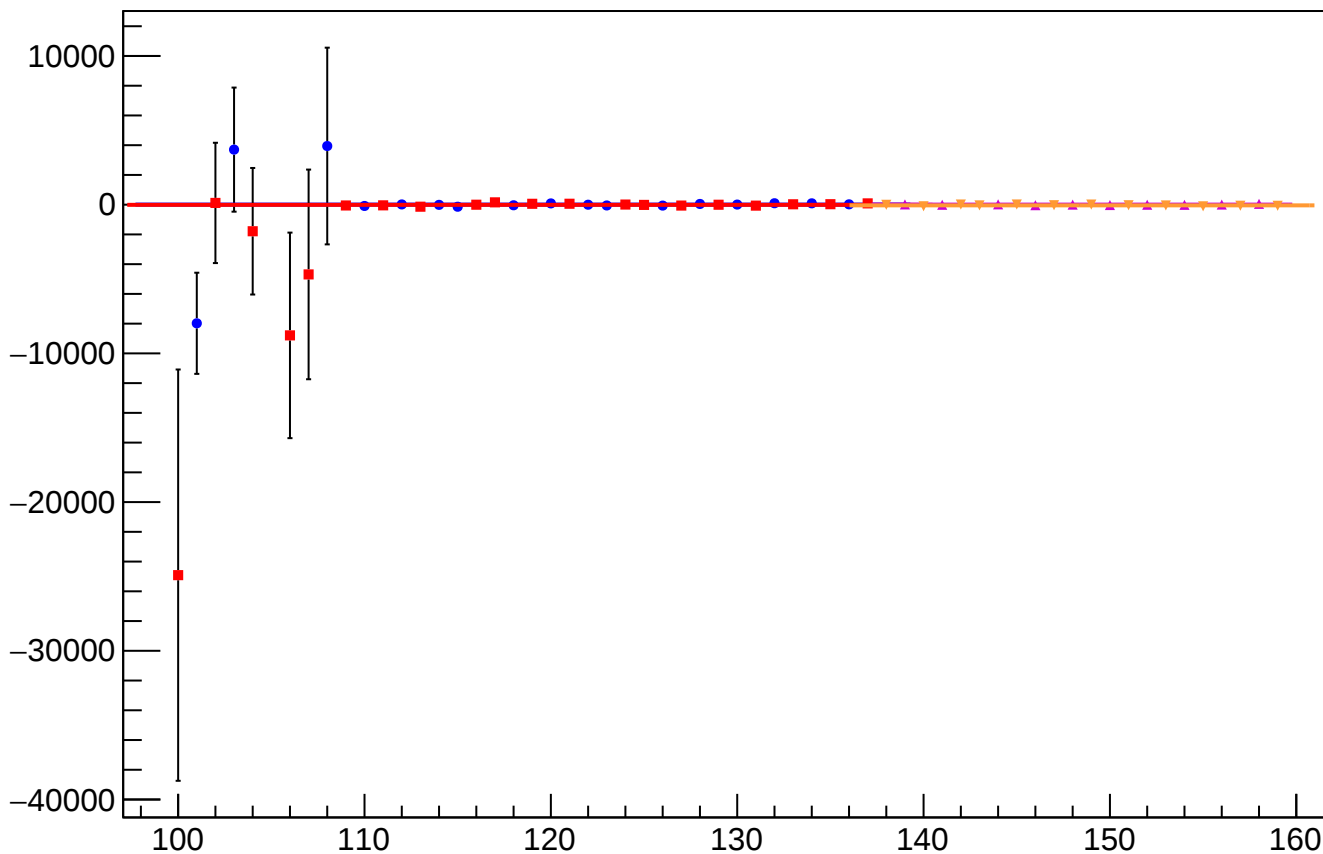
Right Out: 175.774 ± 0.058 χ^2/NDF : 4169115.6/19

Left In: 189.316 ± 0.050 χ^2/NDF : 1201194.1/9

216.069 ± 0.043 χ^2/NDF : 4653612.1/28

183.448 ± 0.038 χ^2/NDF : 5401579.2/29

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.565+/-15.052 χ^2/NDF : 20.4/16

-26.194+/-9.300 χ^2/NDF : 39.3/28

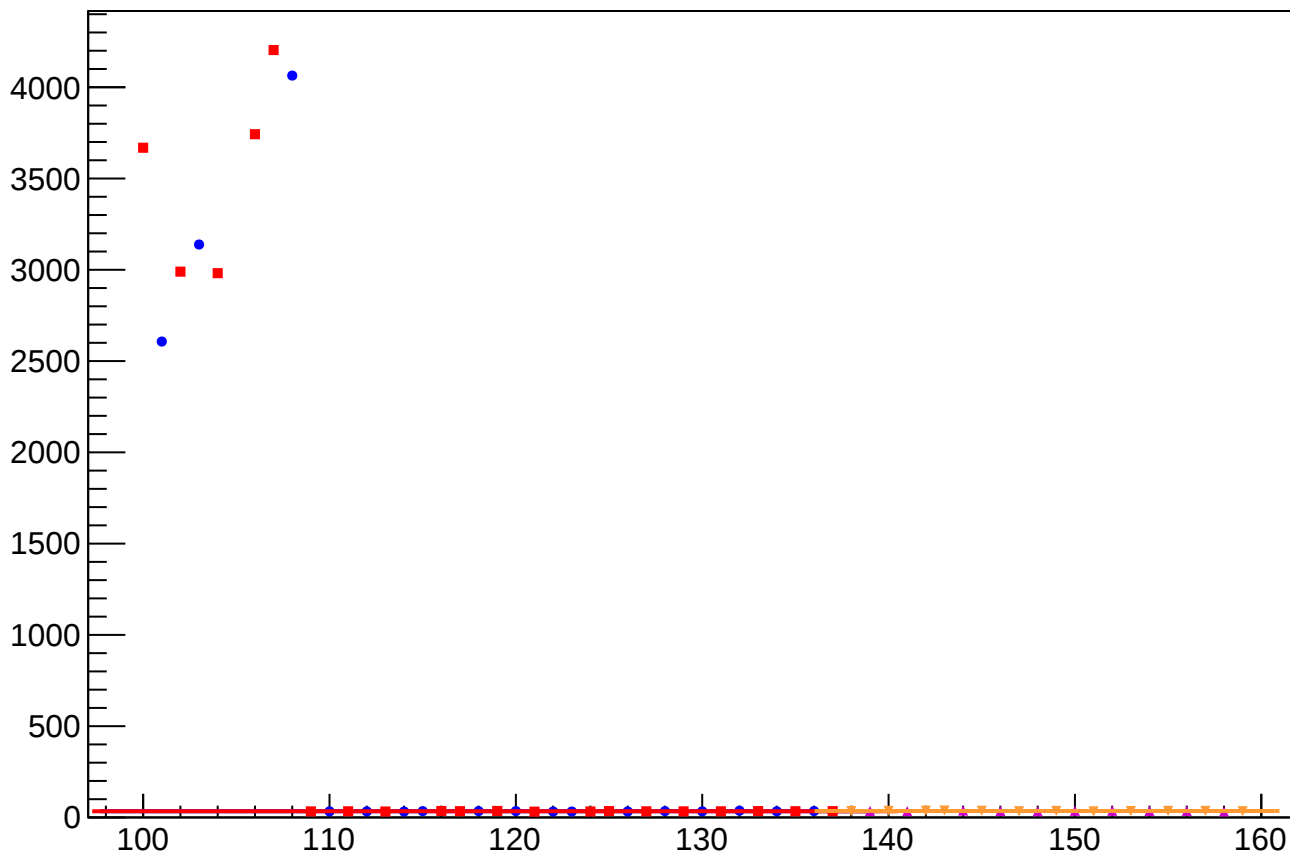
Left Out: -45.805+/-11.828 χ^2/NDF : 11.7/11

Right Out: -10.775+/-14.891 χ^2/NDF : 23.0/19

-1.826+/-9.511 χ^2/NDF : 27.8/29

Left In: 4.341+/-12.361 χ^2/NDF : 4.2/9

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.168+/-0.011 χ^2/NDF : 3006512.8/16

Left Out: 35.404+/-0.008 χ^2/NDF :22047.8/11

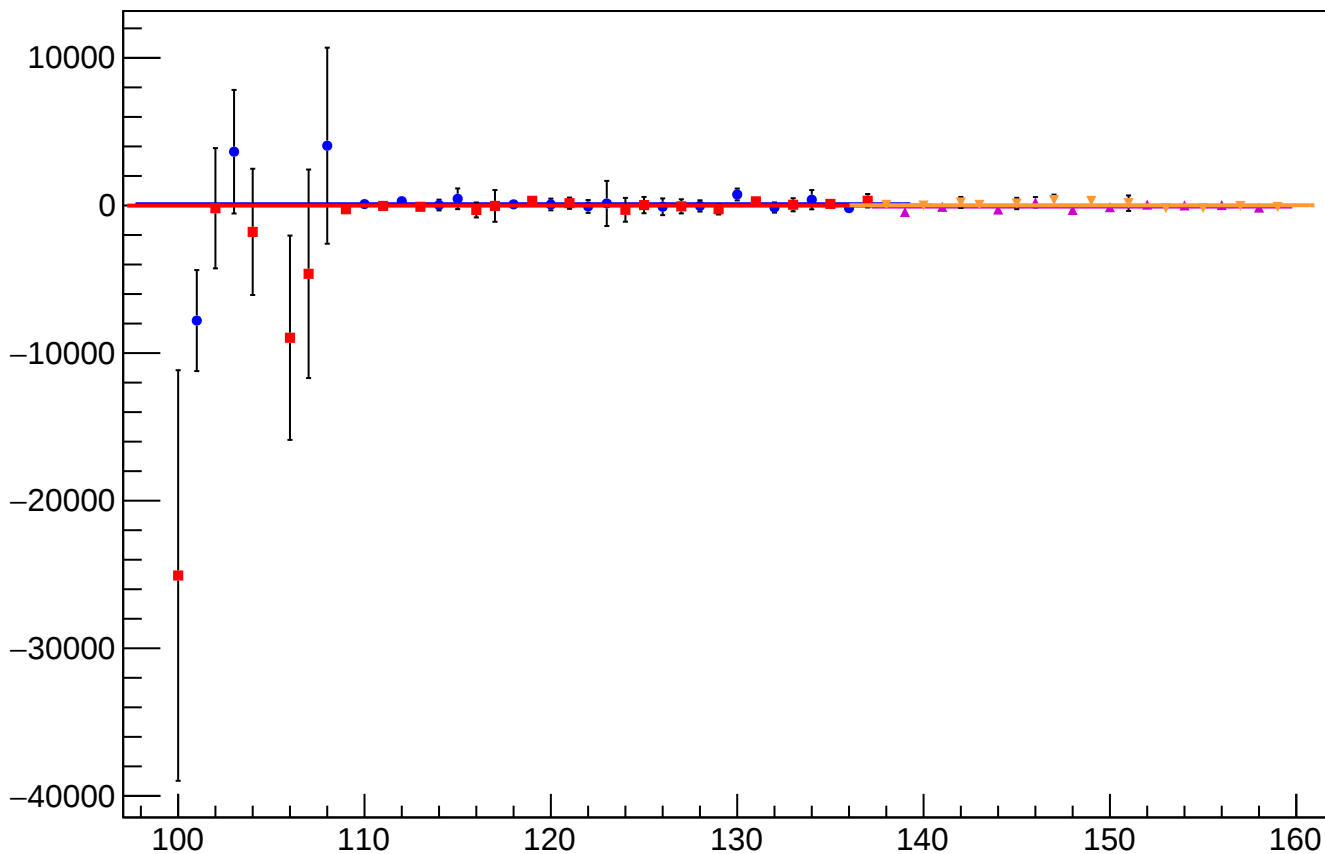
Right Out: 33.916+/-0.011 χ^2/NDF : 3451921.6/19

Left In: 35.324+/-0.009 χ^2/NDF :24670.7/9

34.932+/-0.007 χ^2/NDF : 3036909.3/28

34.749+/-0.007 χ^2/NDF : 3487183.9/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: 16.306+/-81.530 χ^2/NDF : 4.2/11

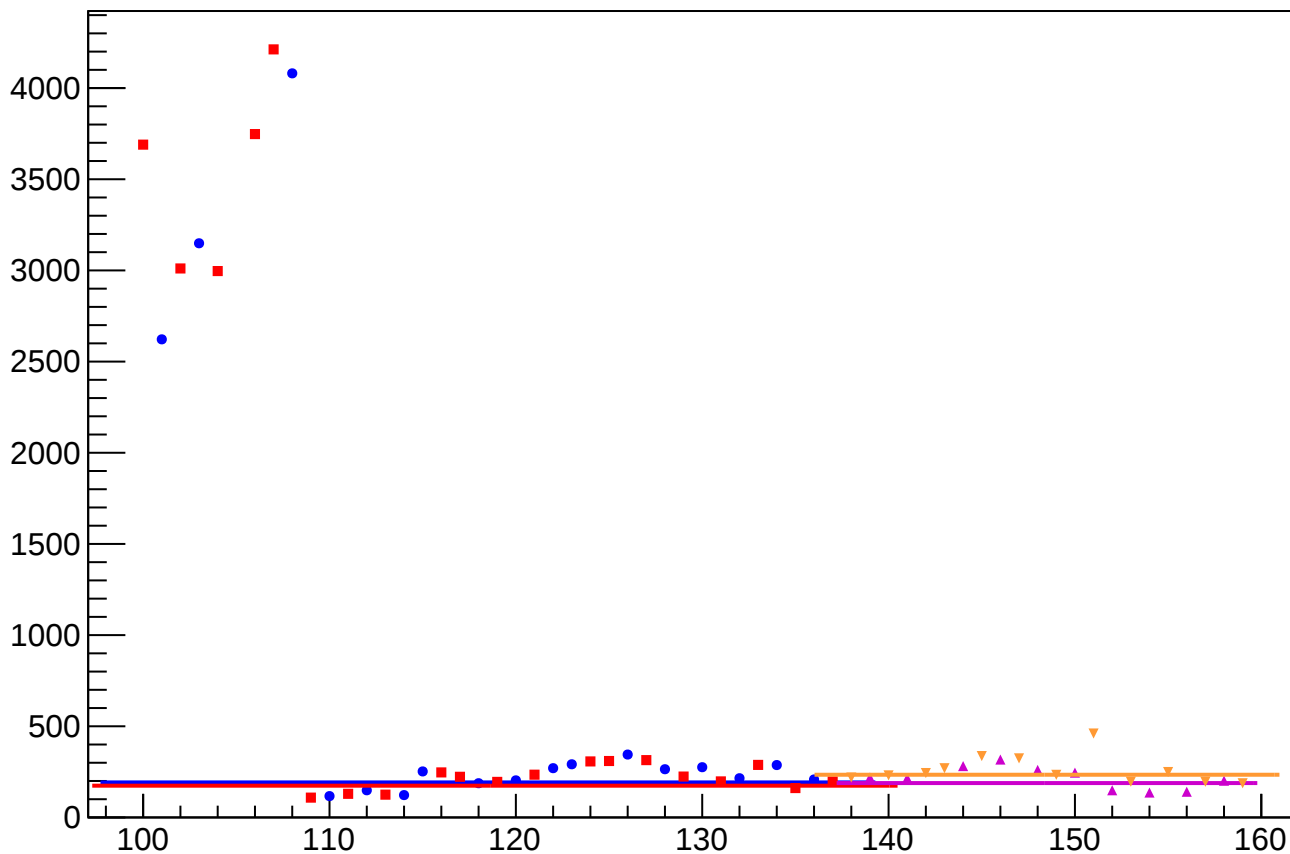
Right Out: -8.682+/-81.026 χ^2/NDF : 11.1/19

Left In: -73.742+/-71.001 χ^2/NDF : 4.8/9

47.520+/-60.040 χ^2/NDF : 17.0/28

-45.483+/-53.400 χ^2/NDF : 16.2/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.177 ± 0.063 χ^2/NDF : 3574617.3/16

Left Out: 234.254 ± 0.058 χ^2/NDF : 875021.2/11

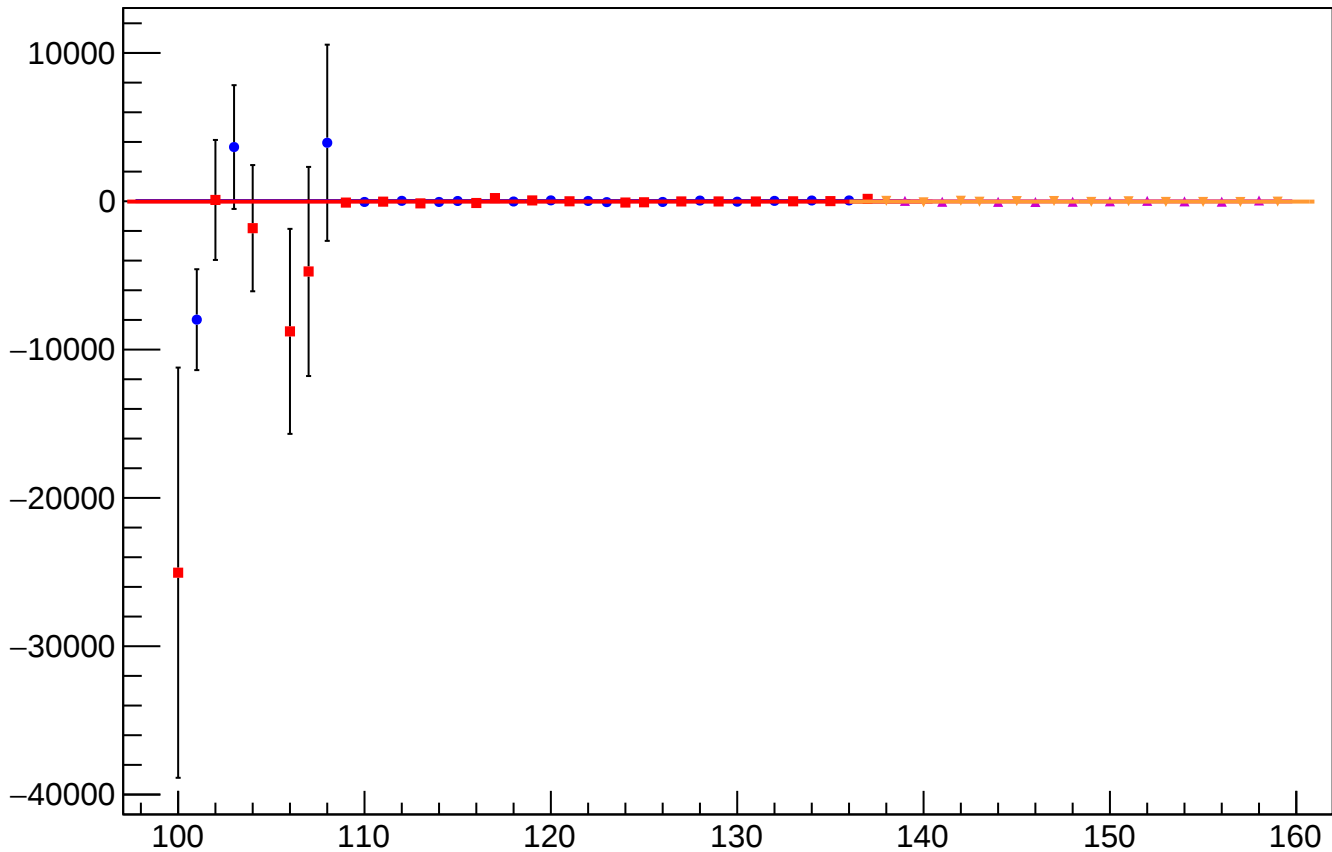
Right Out: 174.240 ± 0.057 χ^2/NDF : 4215763.8/19

Left In: 188.568 ± 0.050 χ^2/NDF : 1189033.2/9

214.996 ± 0.042 χ^2/NDF : 4693460.1/28

182.345 ± 0.038 χ^2/NDF : 5440176.8/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -21.204+/-10.761 χ^2/NDF : 8.8/11

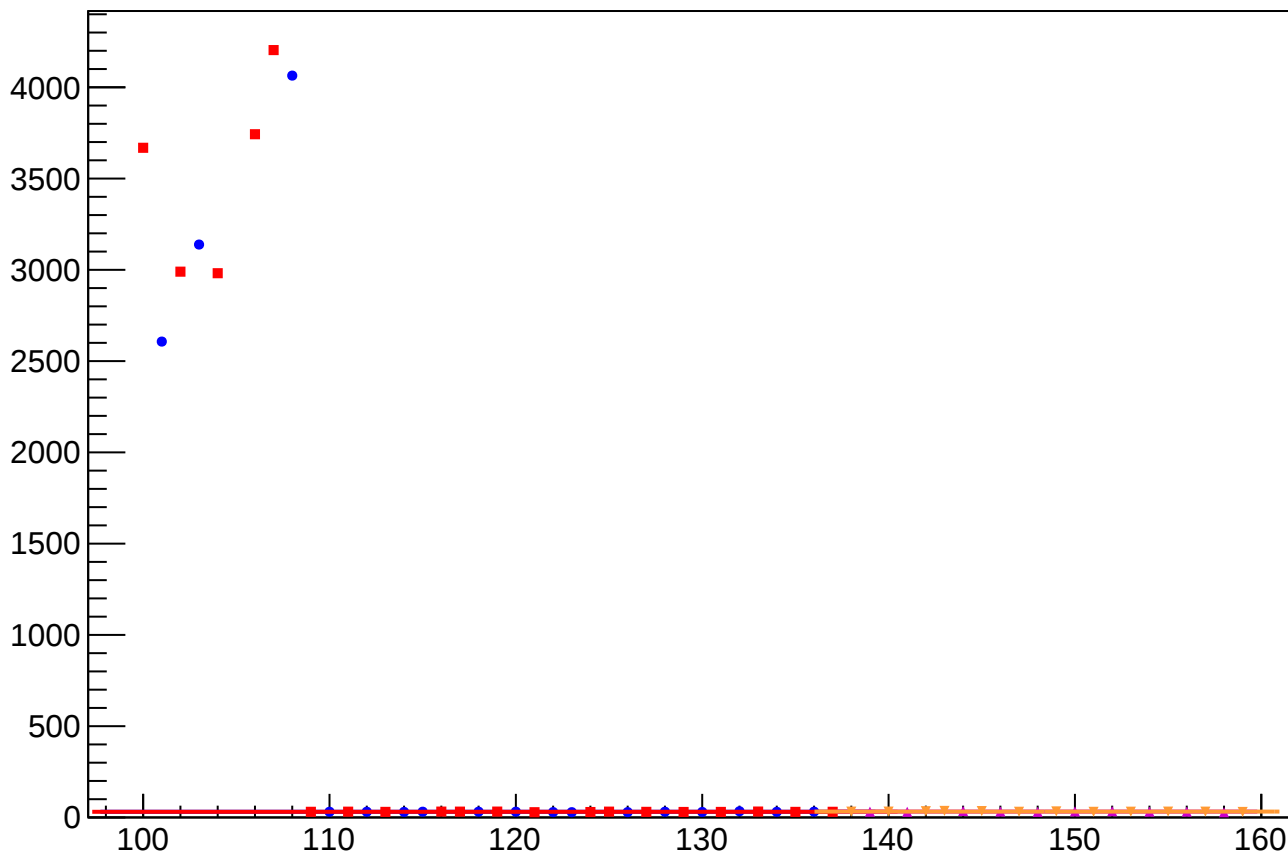
Right Out: -20.740+/-13.606 χ^2/NDF : 30.4/19

Left In: -5.472+/-11.220 χ^2/NDF : 8.7/9

-8.276+/-8.468 χ^2/NDF : 27.3/28

-11.652+/-8.656 χ^2/NDF : 39.8/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 32.174+/-0.008 χ^2/NDF : 40766.6/11

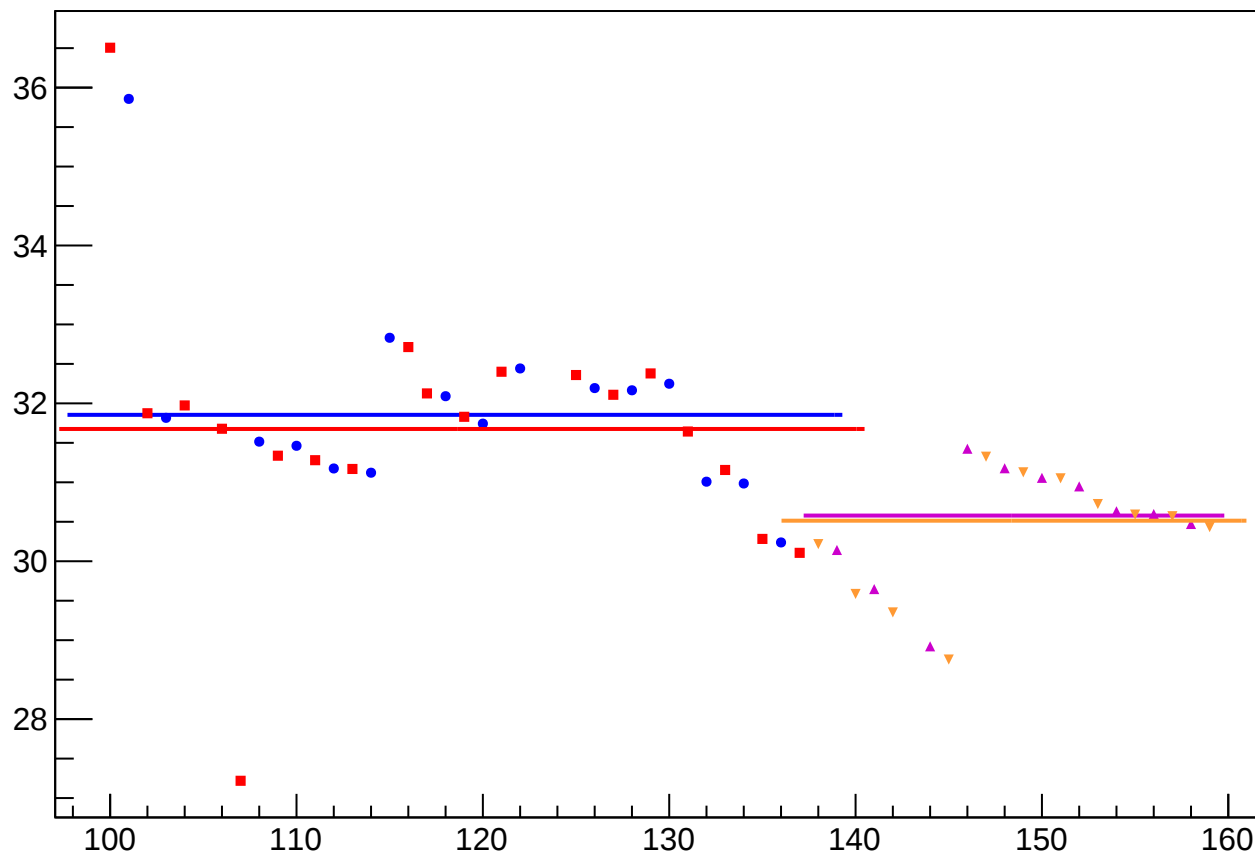
Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

Left In: 31.995+/-0.008 χ^2/NDF : 53052.6/9

31.785+/-0.006 χ^2/NDF : 3062138.0/28

31.580+/-0.006 χ^2/NDF : 3518814.2/29

yield_usl_mean vs Slug



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.514+/-0.000 χ^2/NDF : 587636175.6/10

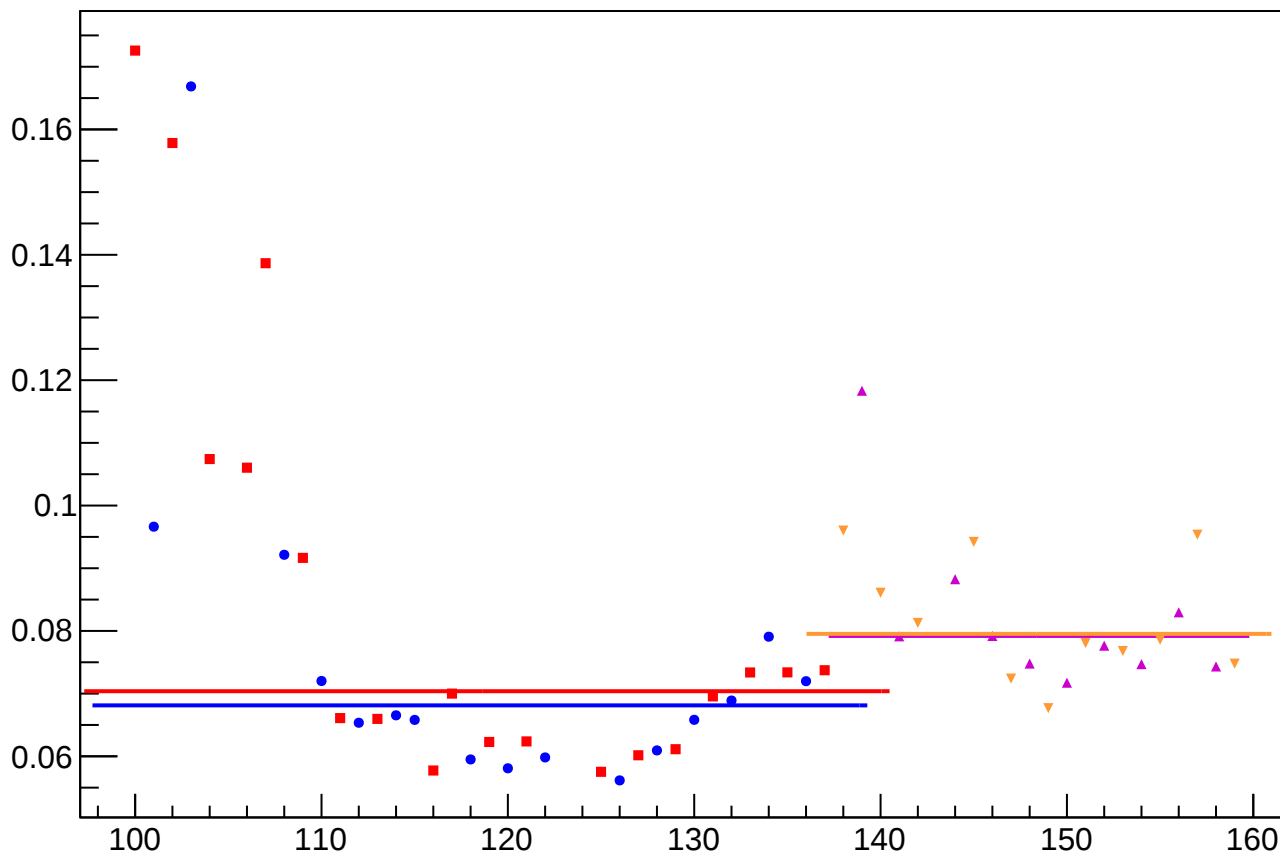
Right Out: 31.676+/-0.000 χ^2/NDF : 919678295.7/18

Left In: 30.579+/-0.000 χ^2/NDF : 562730374.1/9

31.206+/-0.000 χ^2/NDF : 3239532284.5/26

31.136+/-0.000 χ^2/NDF : 2194693286.1/28

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.080 $\pm$ 0.000 χ^2 /NDF:185128.9/10

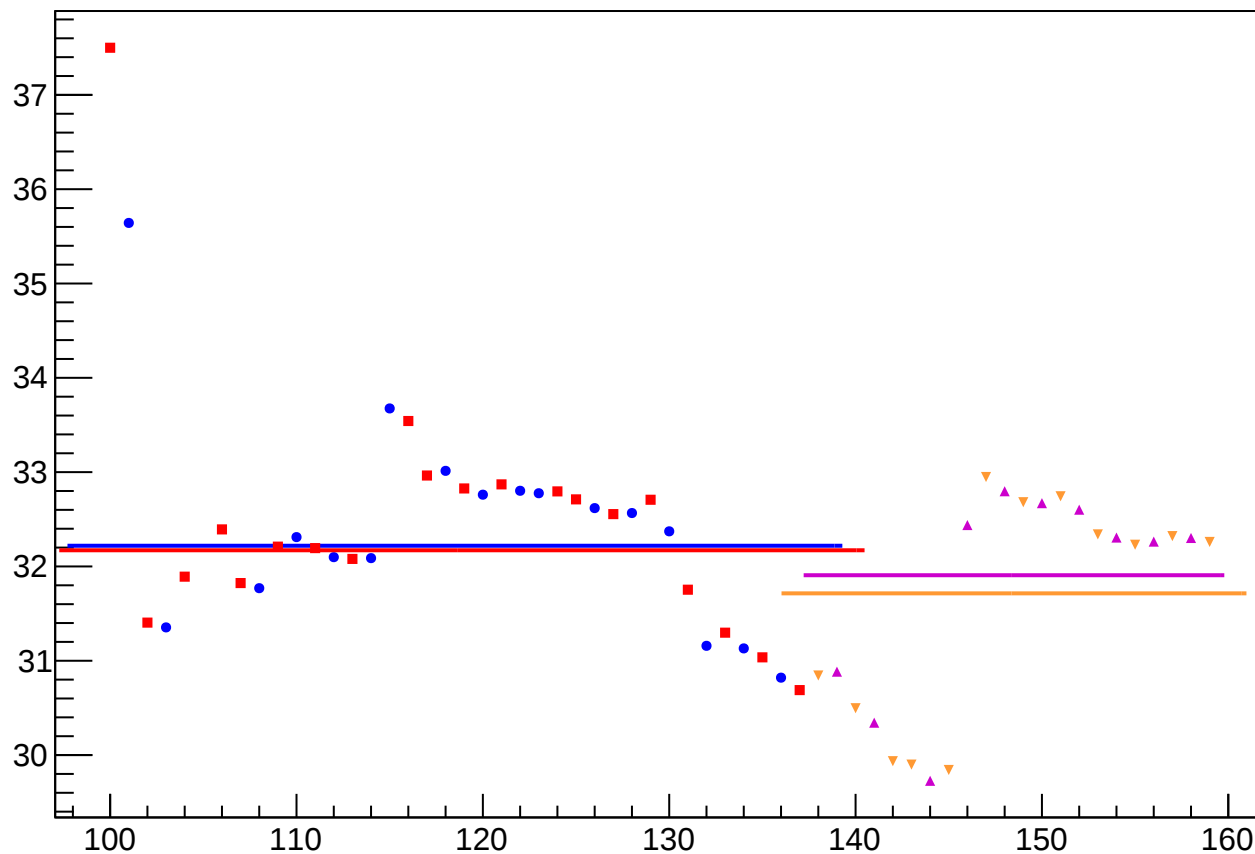
Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841322.7/18

Left In: 0.079 $\pm$ 0.000 χ^2 /NDF:206211.9/9

0.074 $\pm$ 0.000 χ^2 /NDF: 971398.5/26

0.075 $\pm$ 0.000 χ^2 /NDF: 1139619.0/28

yield_usr_mean vs Slug



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.715+/-0.000 χ^2/NDF :1739966097.0/11

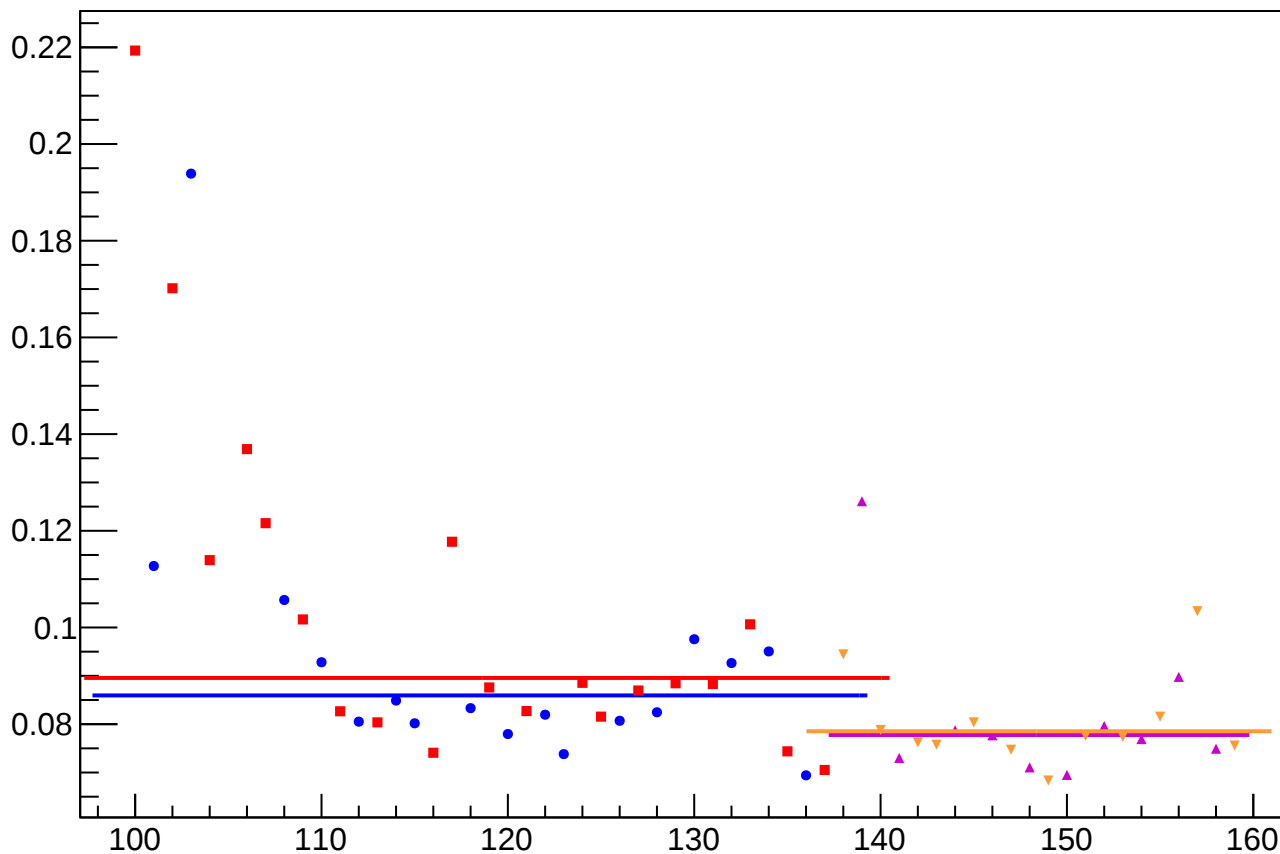
Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

Left In: 31.907+/-0.000 χ^2/NDF :1359989384.2/9

31.905+/-0.000 χ^2/NDF : 2878485168.0/28

32.009+/-0.000 χ^2/NDF : 1837257458.7/29

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.079+/-0.000 χ^2/NDF :157563.4/11

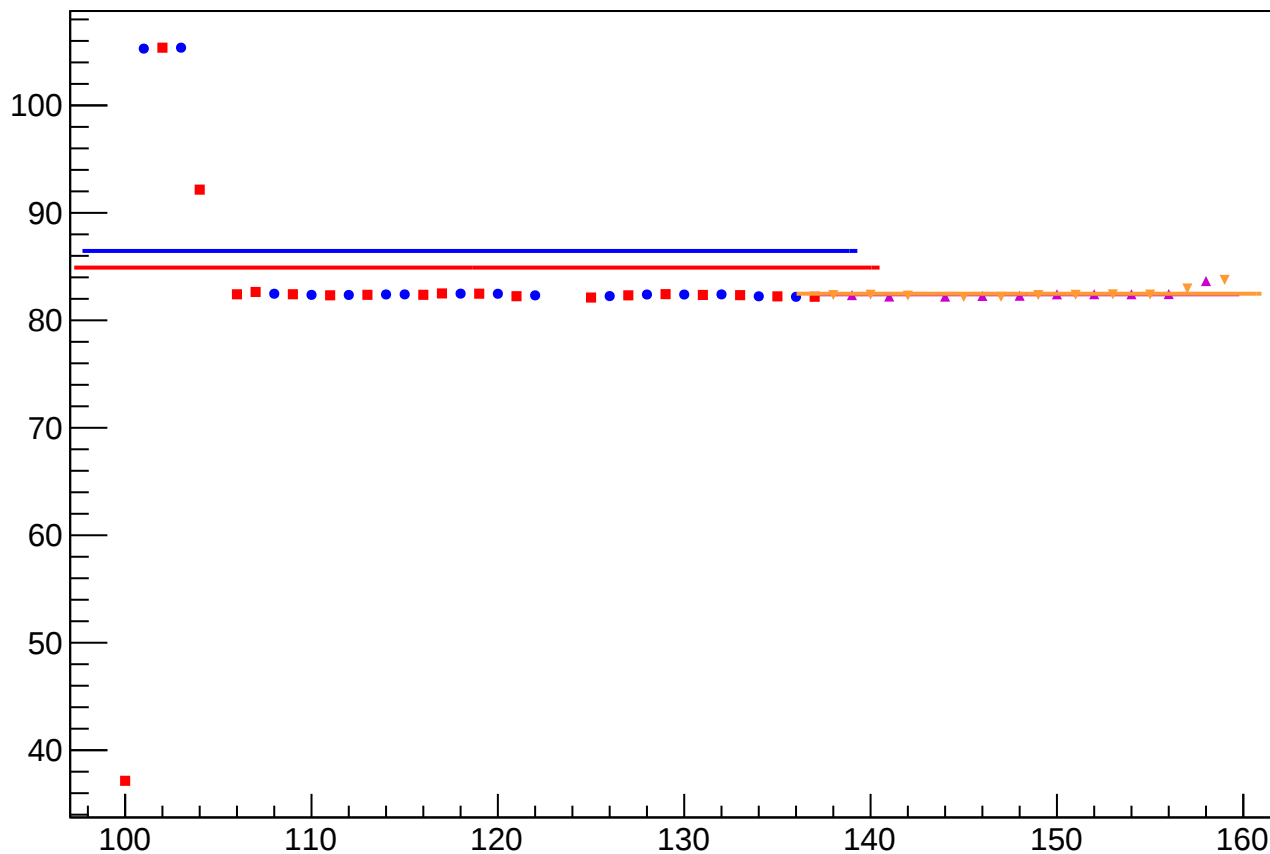
Right Out: 0.090+/-0.000 χ^2/NDF : 544516.7/19

Left In: 0.078+/-0.000 χ^2/NDF :277956.3/9

0.081+/-0.000 χ^2/NDF : 764585.0/28

0.082+/-0.000 χ^2/NDF : 954459.1/29

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.477+/-0.000 χ^2/NDF : 657415263.5/10

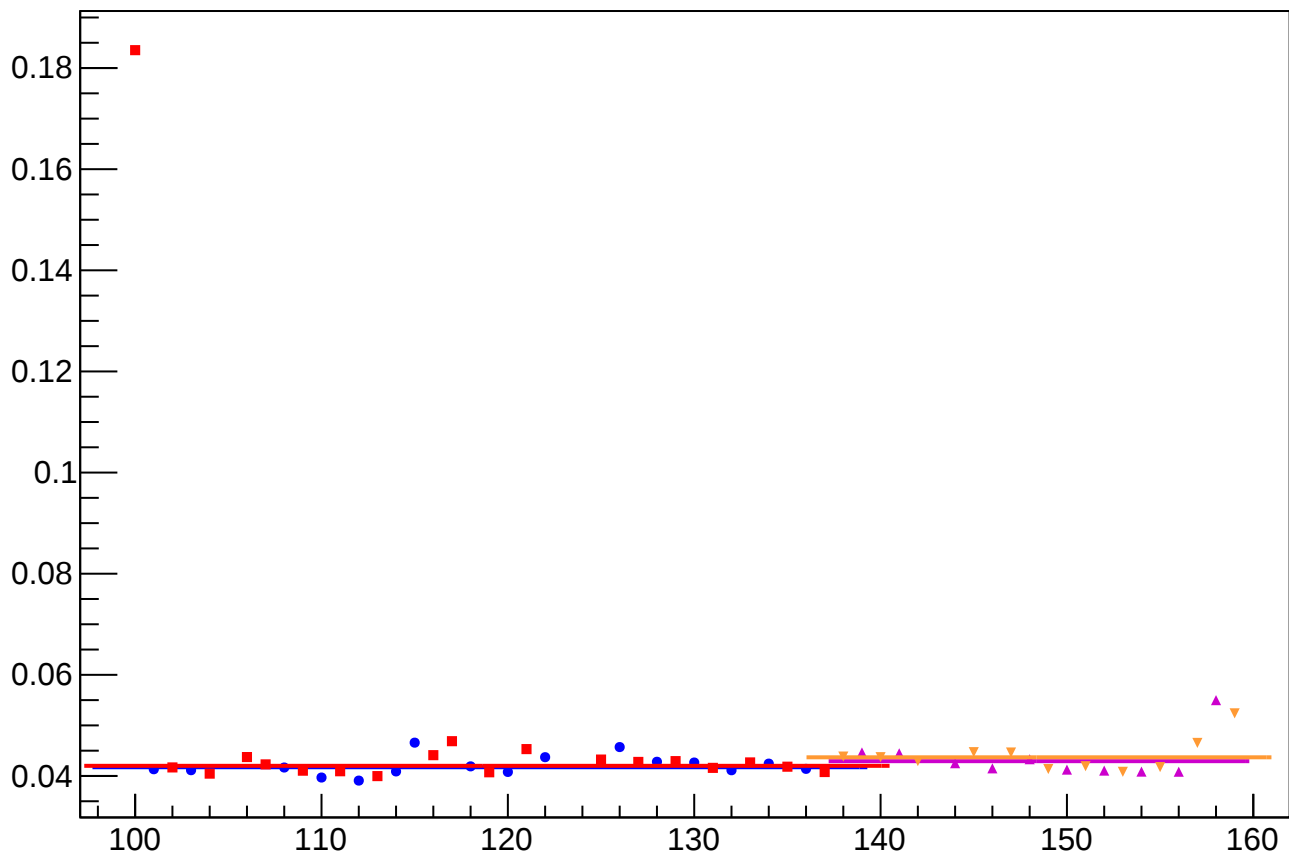
Right Out: 84.908+/-0.000 χ^2/NDF : 172306803858.3/18

Left In: 82.422+/-0.000 χ^2/NDF : 457523849.4/9

84.346+/-0.000 χ^2/NDF : 323730061620.3/26

83.600+/-0.000 χ^2/NDF : 185520998721.6/28

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.044+/-0.000 χ^2/NDF : 69571.6/10

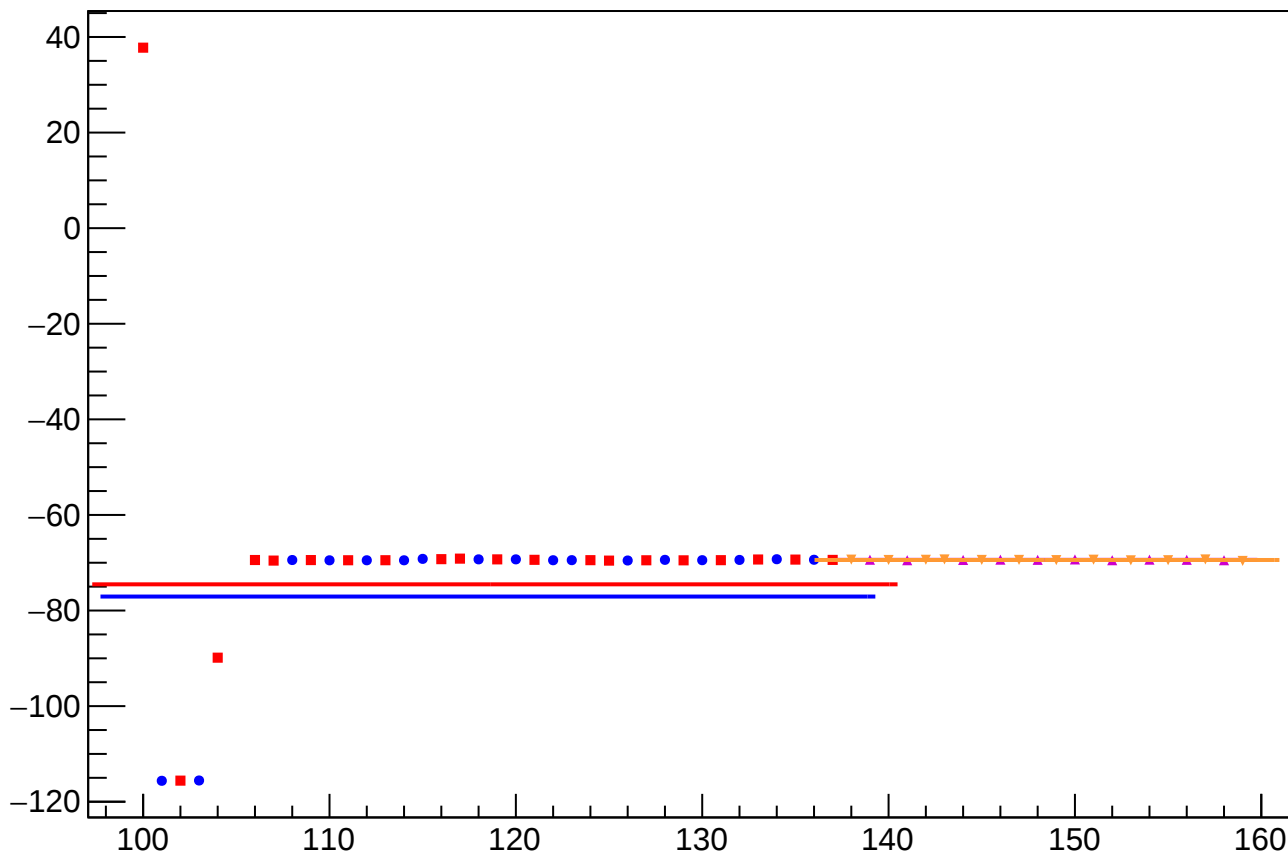
Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

Left In: 0.043+/-0.000 χ^2/NDF : 97044.4/9

0.043+/-0.000 χ^2/NDF : 103828.7/26

0.042+/-0.000 χ^2/NDF : 198331.9/28

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.424+/-0.000 χ^2/NDF : 20231578.0/11

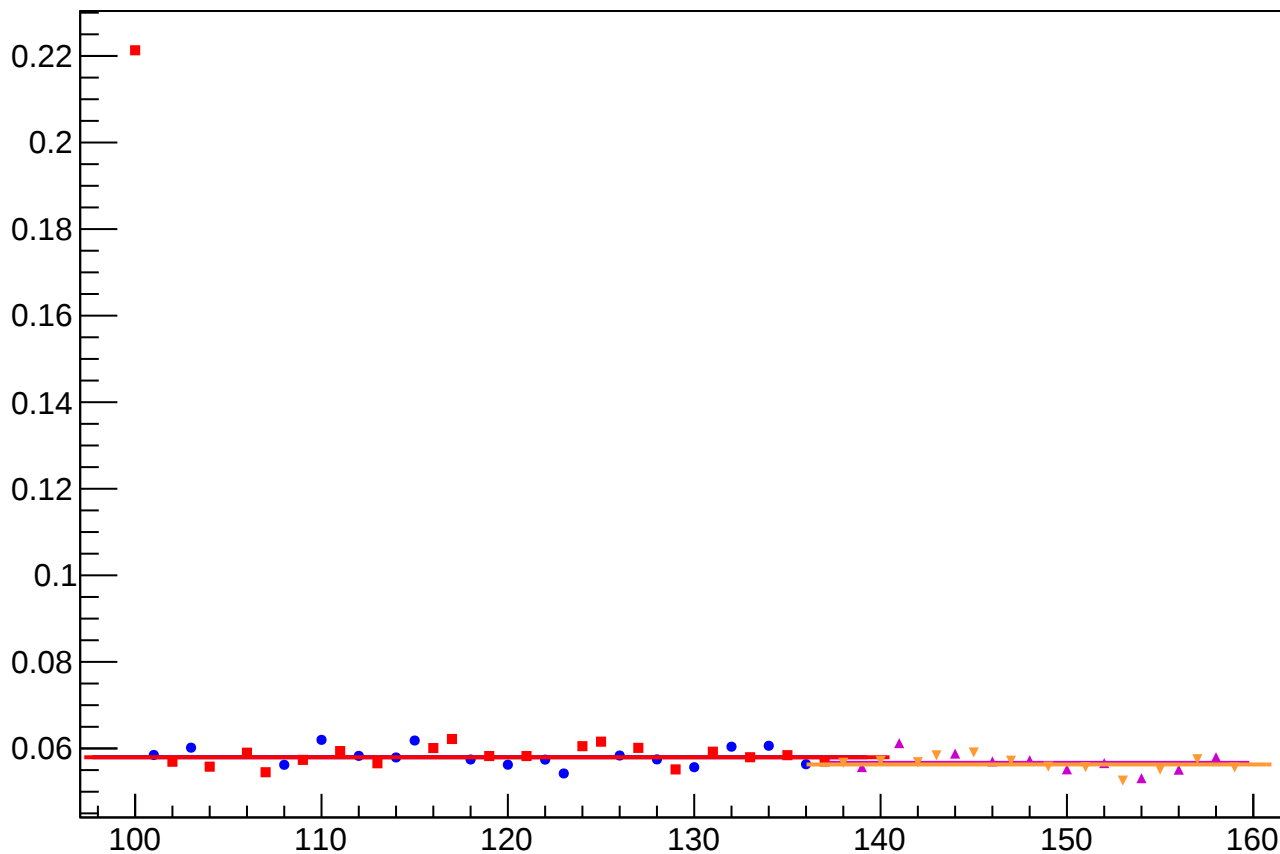
Right Out: -74.518+/-0.000 χ^2/NDF : 372210051226.2/19

Left In: -69.397+/-0.000 χ^2/NDF : 7543497.9/9

-72.577+/-0.000 χ^2/NDF : 631301547676.8/28

-71.726+/-0.000 χ^2/NDF : 401573777512.0/29

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.056+/-0.000 χ^2/NDF : 15431.2/11

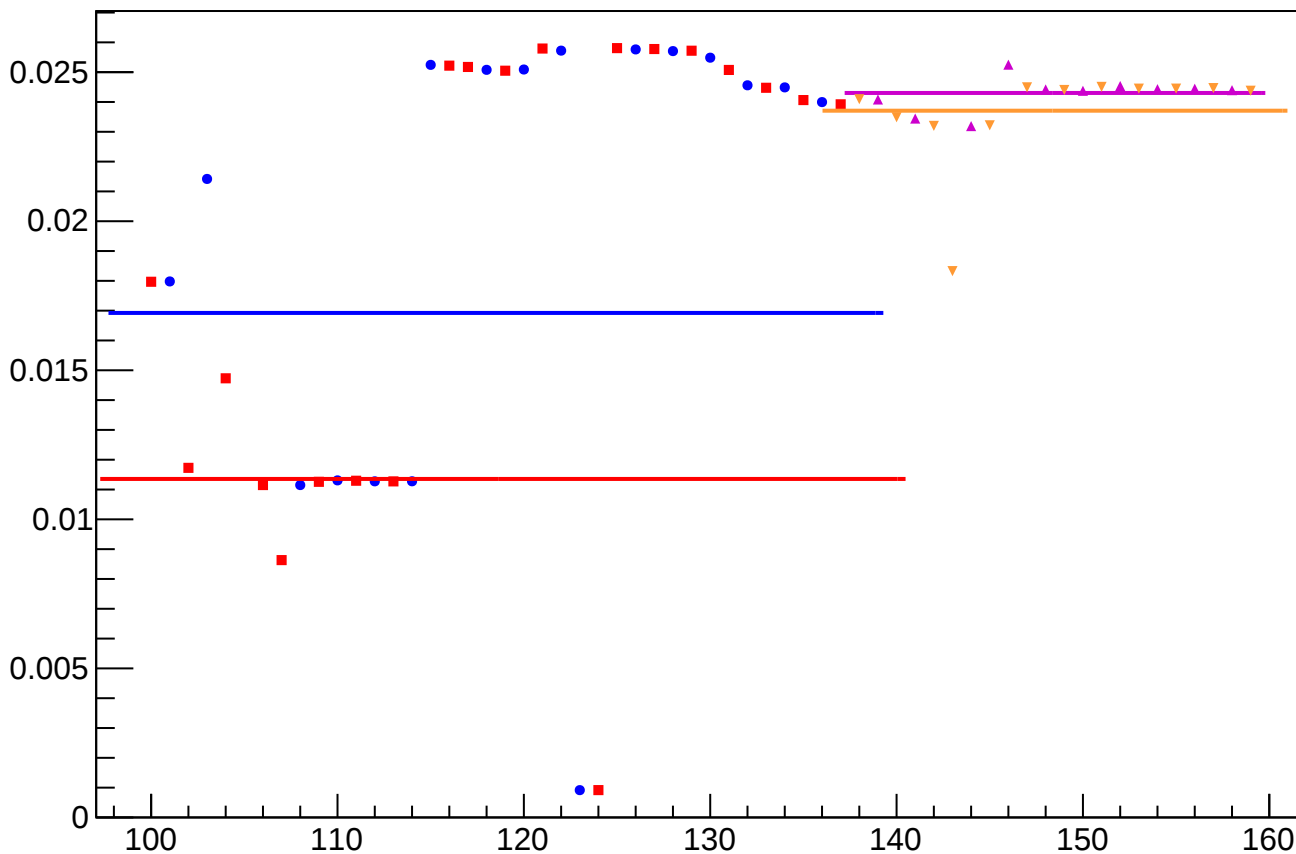
Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

Left In: 0.057+/-0.000 χ^2/NDF : 22401.6/9

0.057+/-0.000 χ^2/NDF : 33986.3/28

0.057+/-0.000 χ^2/NDF : 113018.5/29

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 4931190462.7/11

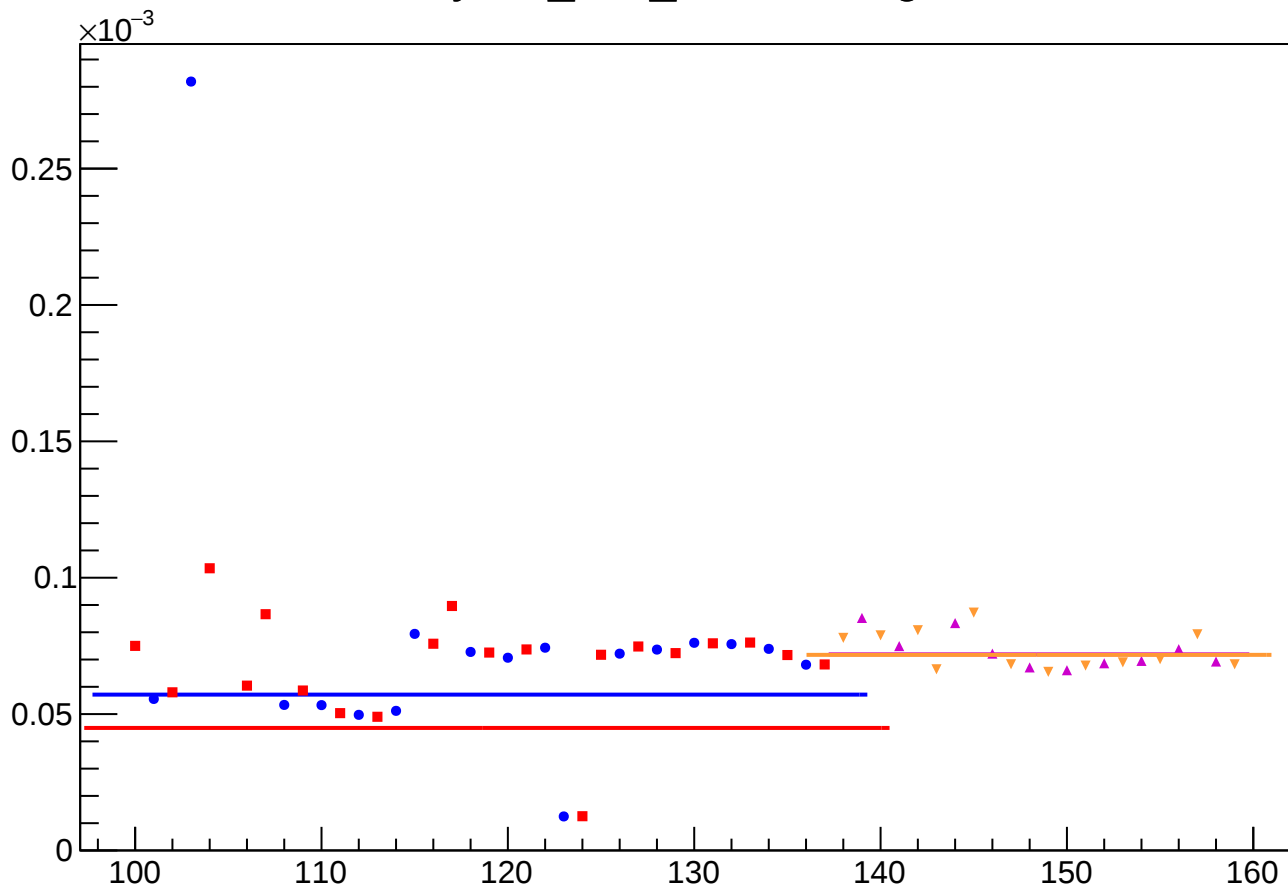
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 235754579473.9/19

Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 415694291.8/9

0.020 $\pm$ 0.000 χ^2 /NDF: 170058192793.0/28

0.016 $\pm$ 0.000 χ^2 /NDF: 393622957208.1/29

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 130461.2/11

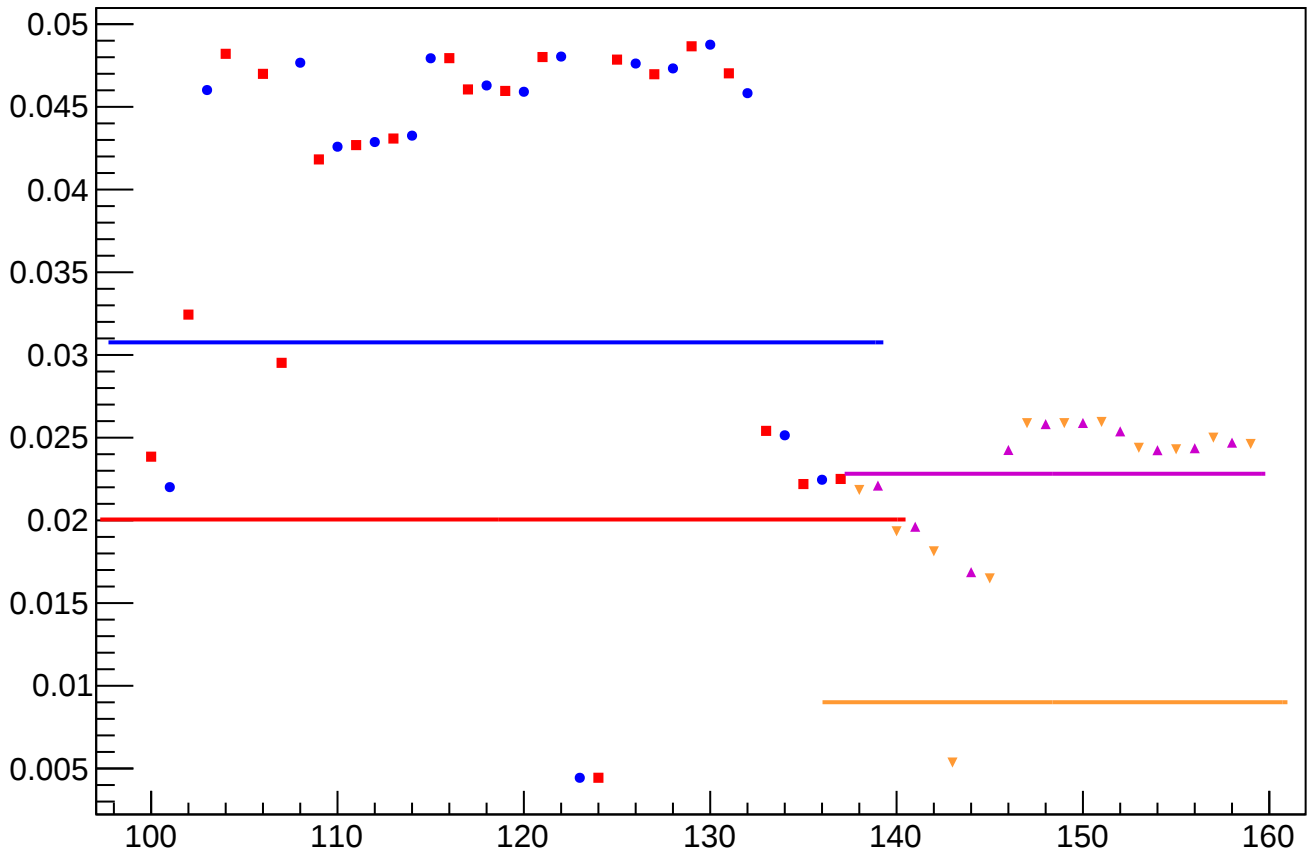
Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

Left In: 0.000+/-0.000 χ^2/NDF : 99362.9/9

0.000+/-0.000 χ^2/NDF : 2488128.0/28

0.000+/-0.000 χ^2/NDF : 5080396.3/29

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 23096749798.2/11

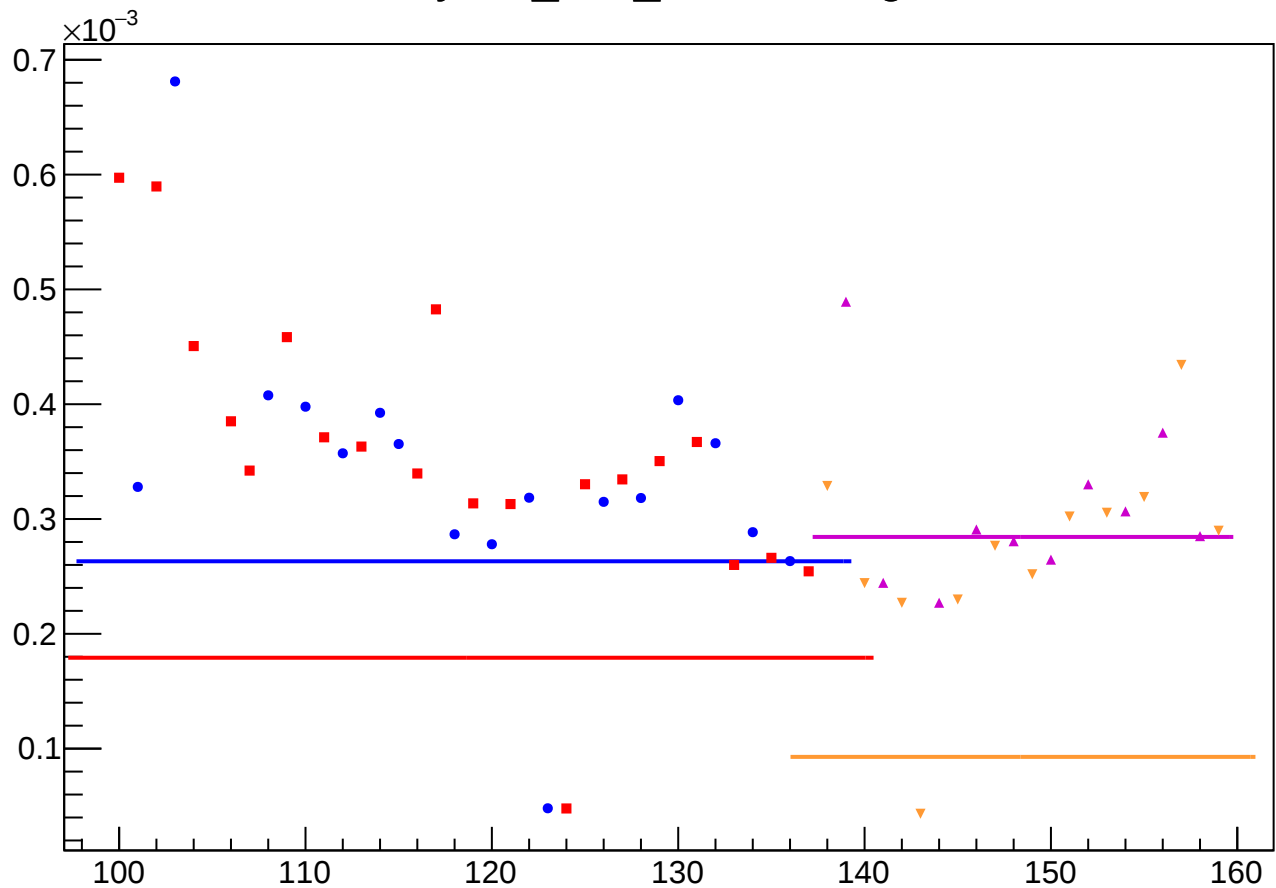
0.012+/-0.000 χ^2/NDF : 73152386474.9/28

Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

0.021+/-0.000 χ^2/NDF : 41499663578.0/29

Left In: 0.023+/-0.000 χ^2/NDF : 978054109.3/9

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 8474256.8/11

Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

Left In: 0.000+/-0.000 χ^2/NDF : 512151.1/9

0.000+/-0.000 χ^2/NDF : 14417885.2/28

0.000+/-0.000 χ^2/NDF : 7009760.2/29

yield_atr1_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 97152184939.3/16

Left Out: 0.039+/-0.000 χ^2/NDF : 335303796.1/11

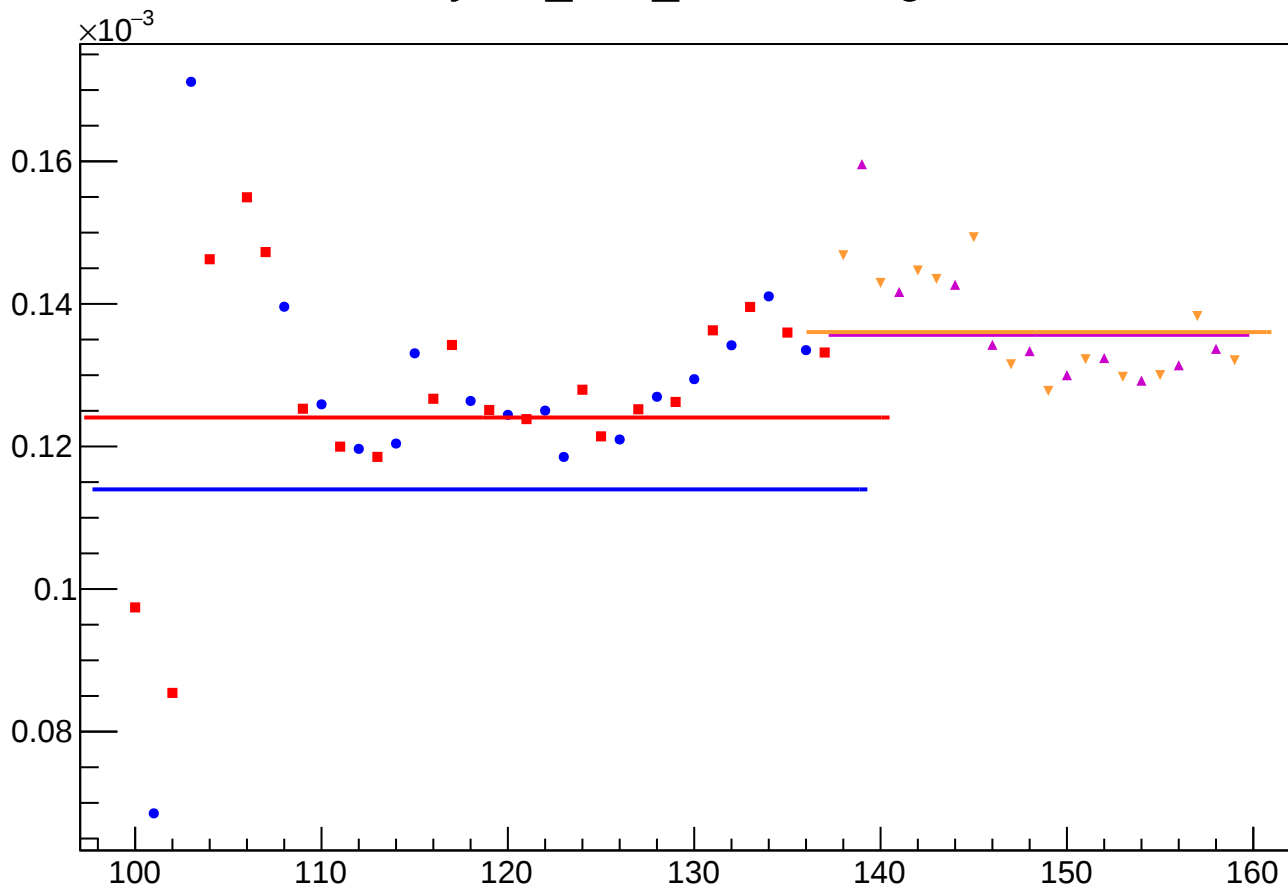
0.034+/-0.000 χ^2/NDF : 116971269010.4/28

Right Out: 0.035+/-0.000 χ^2/NDF : 43717644957.2/19

0.037+/-0.000 χ^2/NDF : 48107449433.3/29

Left In: 0.039+/-0.000 χ^2/NDF : 269016866.2/9

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 794542.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:47690.6/11

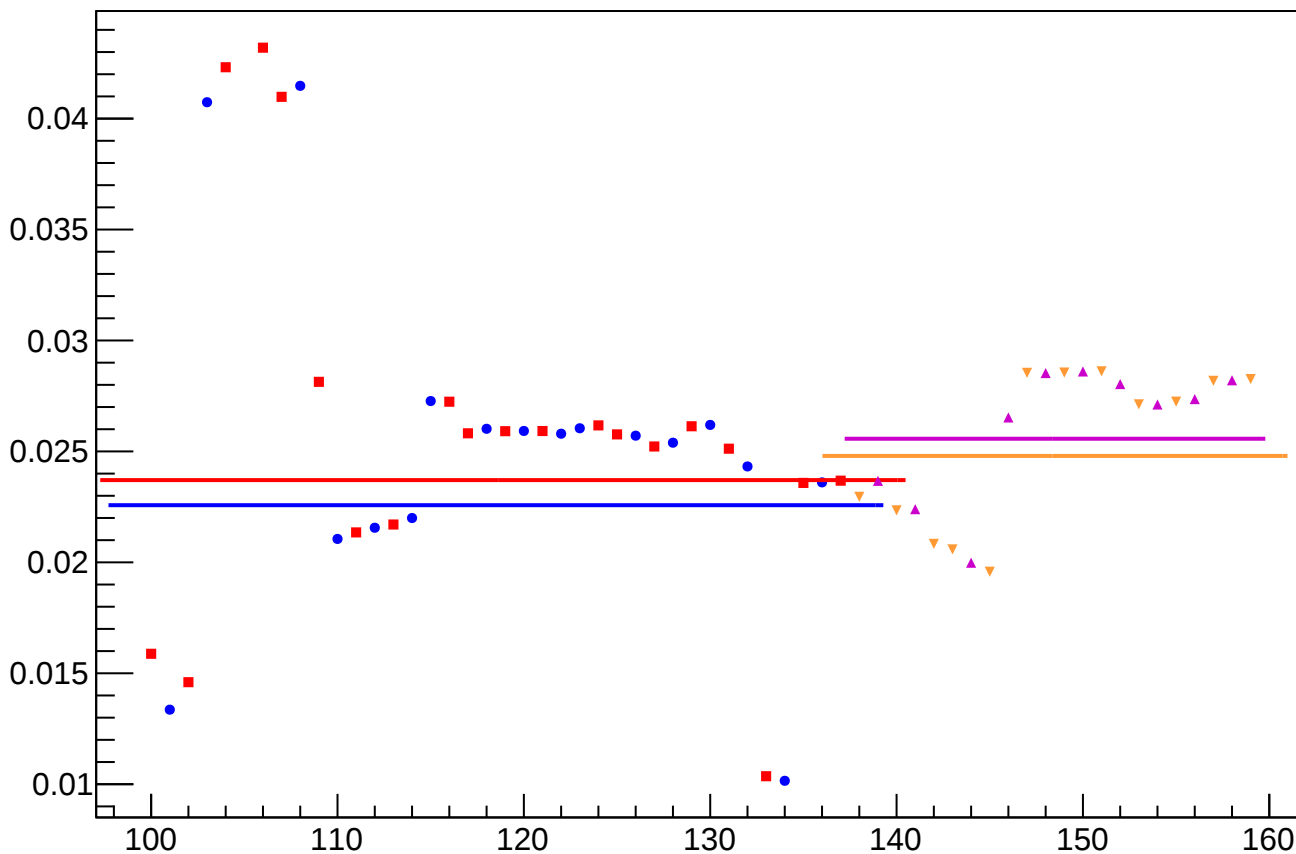
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 245649.5/19

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:49932.8/9

0.000 $\pm$ 0.000 χ^2 /NDF: 1071392.5/28

0.000 $\pm$ 0.000 χ^2 /NDF: 353907.3/29

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.025+/-0.000 χ^2/NDF : 1452675216.9/11

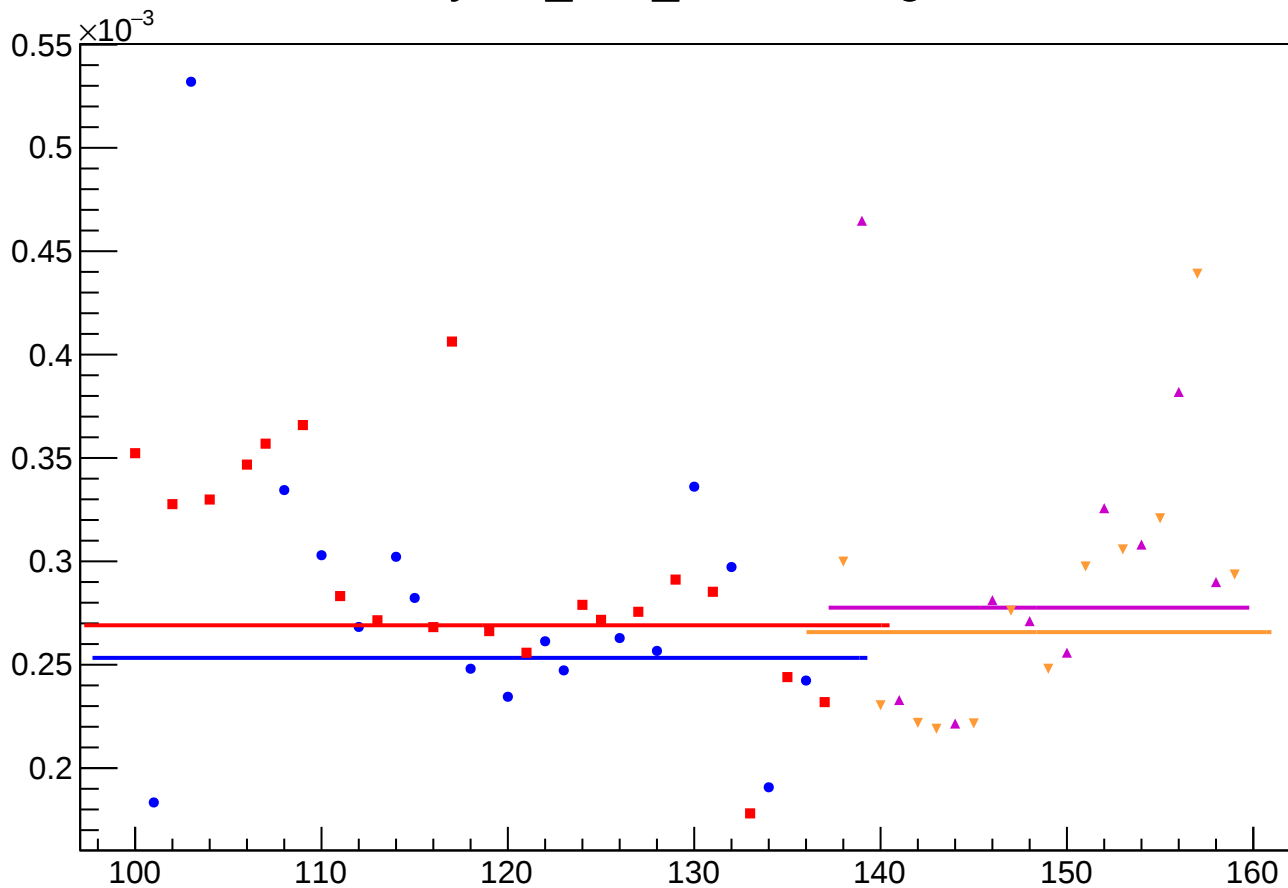
Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

Left In: 0.026+/-0.000 χ^2/NDF : 1001361370.4/9

0.024+/-0.000 χ^2/NDF : 5944032540.2/28

0.025+/-0.000 χ^2/NDF : 6809524213.1/29

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 478943.5/11

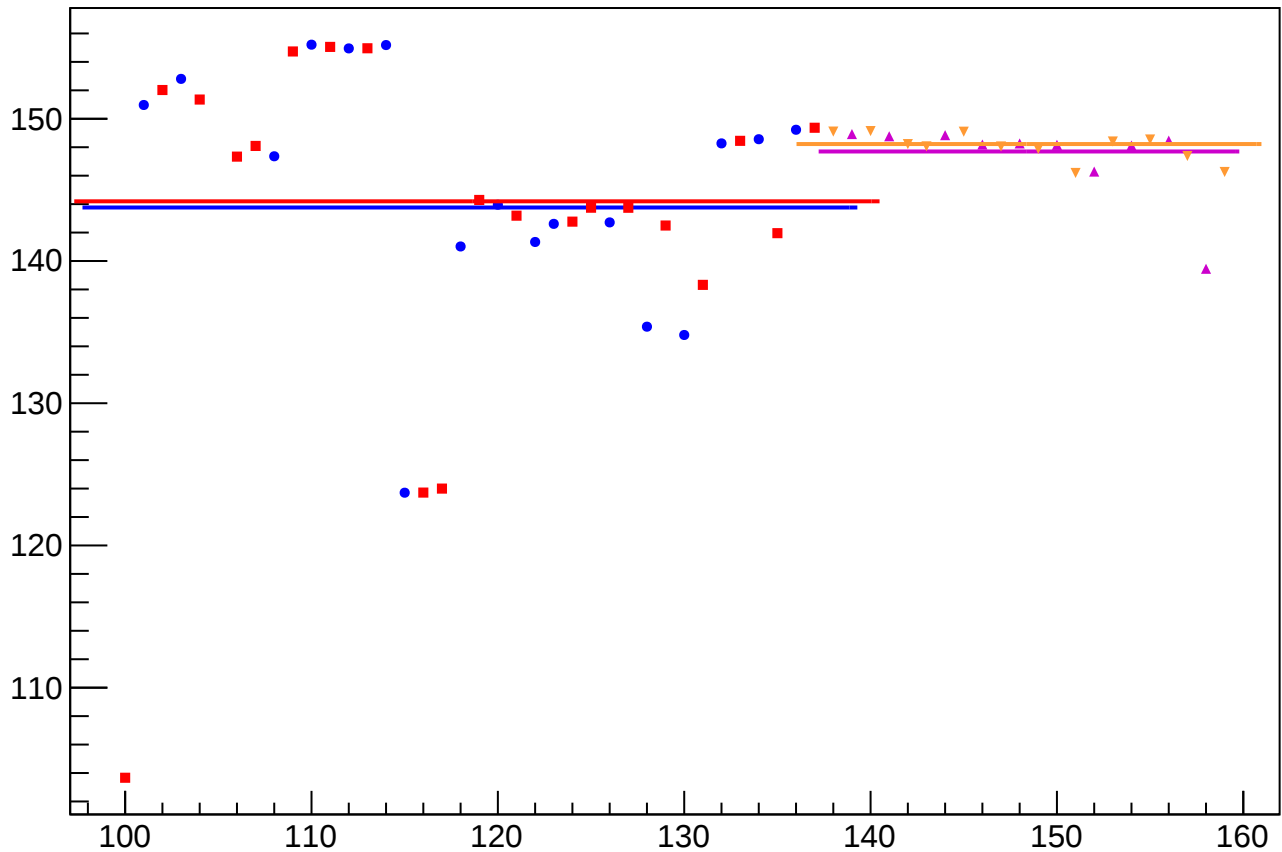
Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

Left In: 0.000+/-0.000 χ^2/NDF : 548906.8/9

0.000+/-0.000 χ^2/NDF : 1123437.6/28

0.000+/-0.000 χ^2/NDF : 993136.1/29

yield_bcm_an_ds_mean vs Slug



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16

Left Out: 148.224 $\pm$ 0.000 χ^2 /NDF: 50372786.9/11

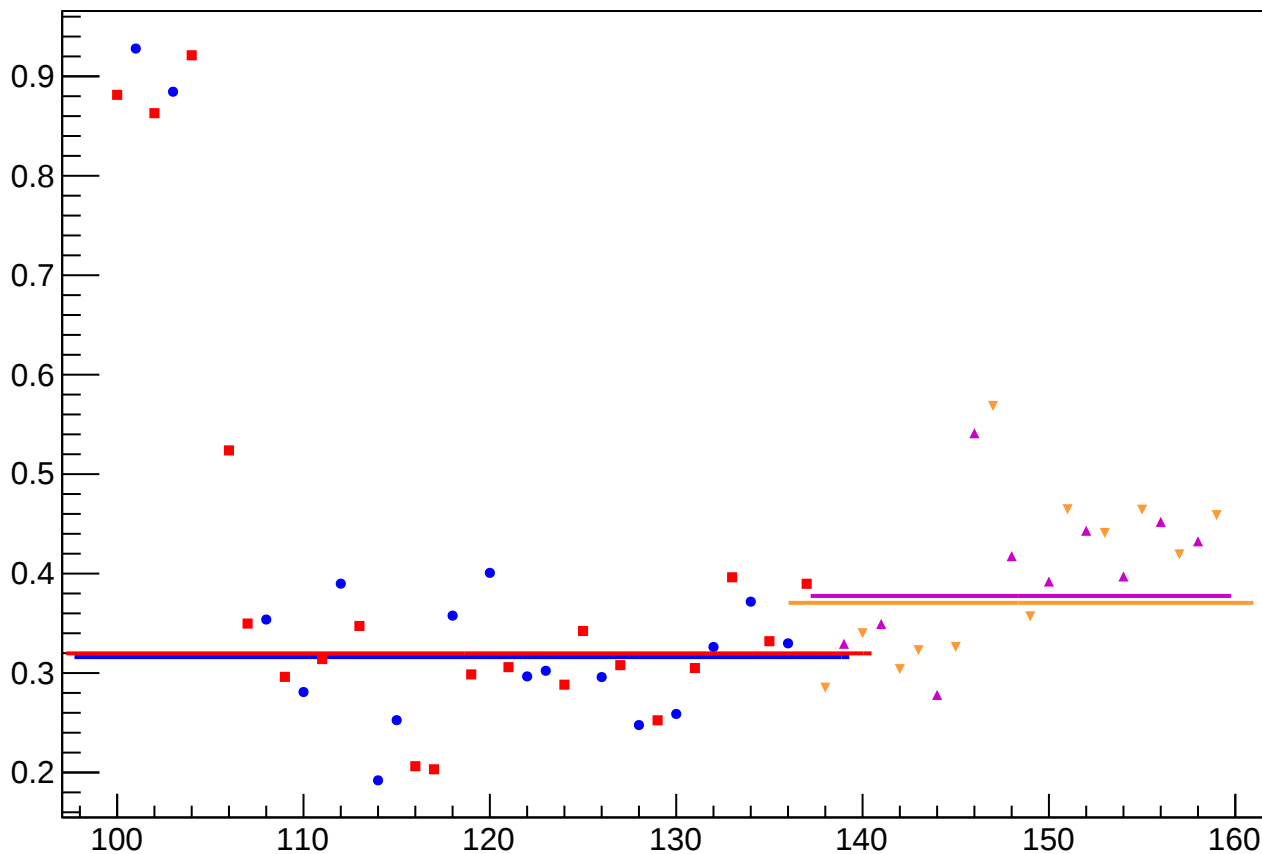
146.078 $\pm$ 0.000 χ^2 /NDF: 4159540754.9/28

Right Out: 144.197 $\pm$ 0.000 χ^2 /NDF: 4523139755.0/19

145.881 $\pm$ 0.000 χ^2 /NDF: 5180909994.0/29

Left In: 147.701 $\pm$ 0.000 χ^2 /NDF: 318457129.9/9

yield_bcm_an_ds_rms vs Slug



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.371+/-0.000 χ^2/NDF : 655127.2/11

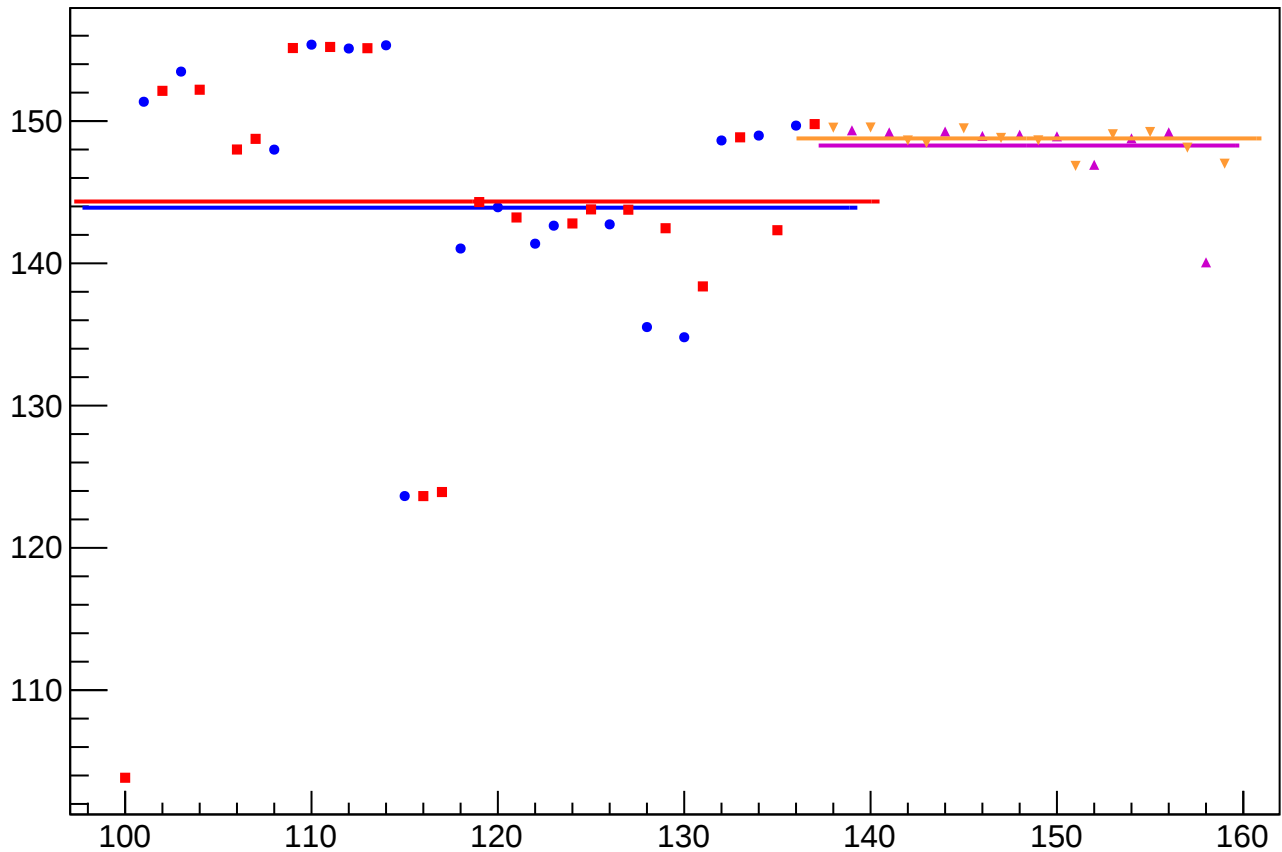
Right Out: 0.320+/-0.000 χ^2/NDF : 1241752.3/19

Left In: 0.378+/-0.000 χ^2/NDF : 517803.9/9

0.344+/-0.000 χ^2/NDF : 2092795.5/28

0.348+/-0.000 χ^2/NDF : 1943901.9/29

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 148.780 $\pm$ 0.000 χ^2 /NDF: 39658163.0/11

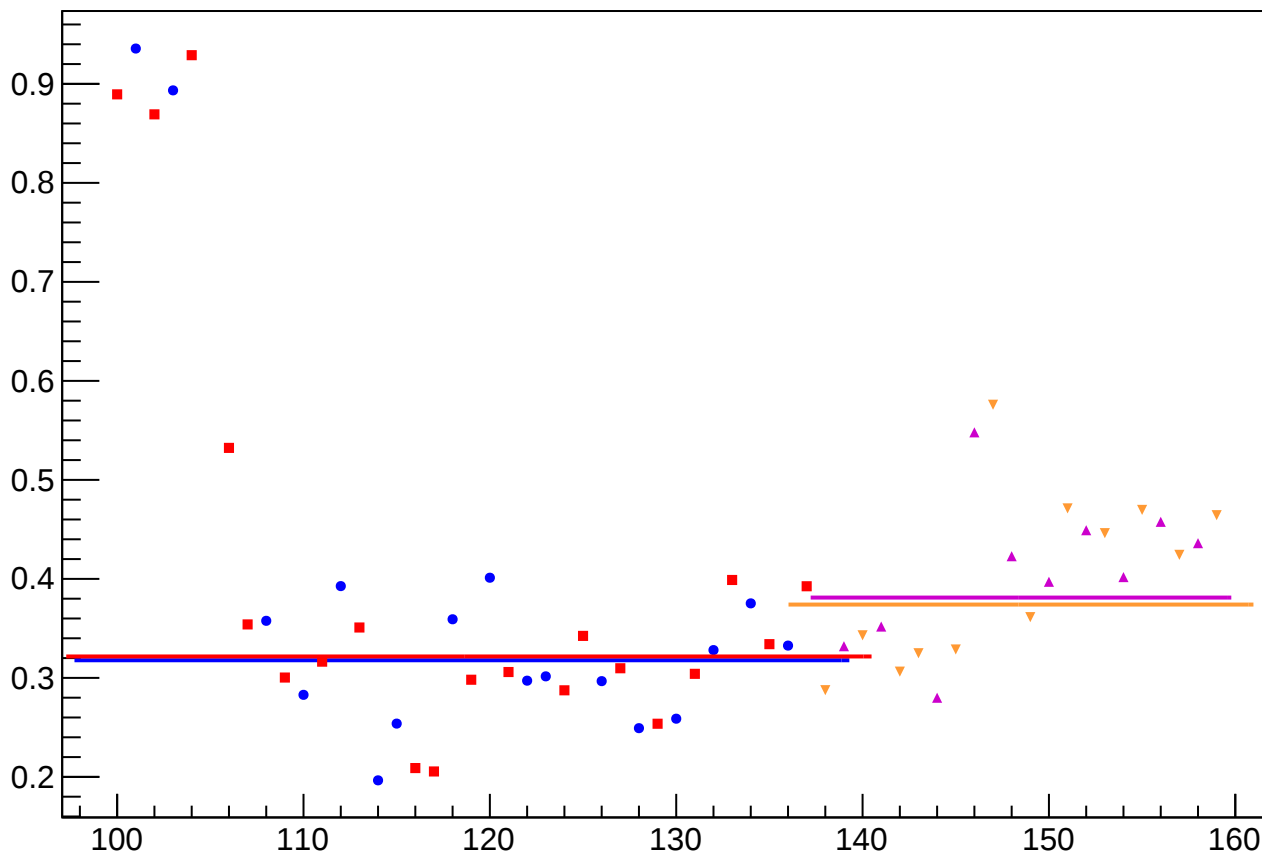
146.429 $\pm$ 0.000 χ^2 /NDF: 4301149194.2/28

Right Out: 144.347 $\pm$ 0.000 χ^2 /NDF: 4550581147.9/19

146.230 $\pm$ 0.000 χ^2 /NDF: 5277963485.7/29

Left In: 148.281 $\pm$ 0.000 χ^2 /NDF: 306349375.0/9

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318 ± 0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.374 ± 0.000 χ^2/NDF : 668349.4/11

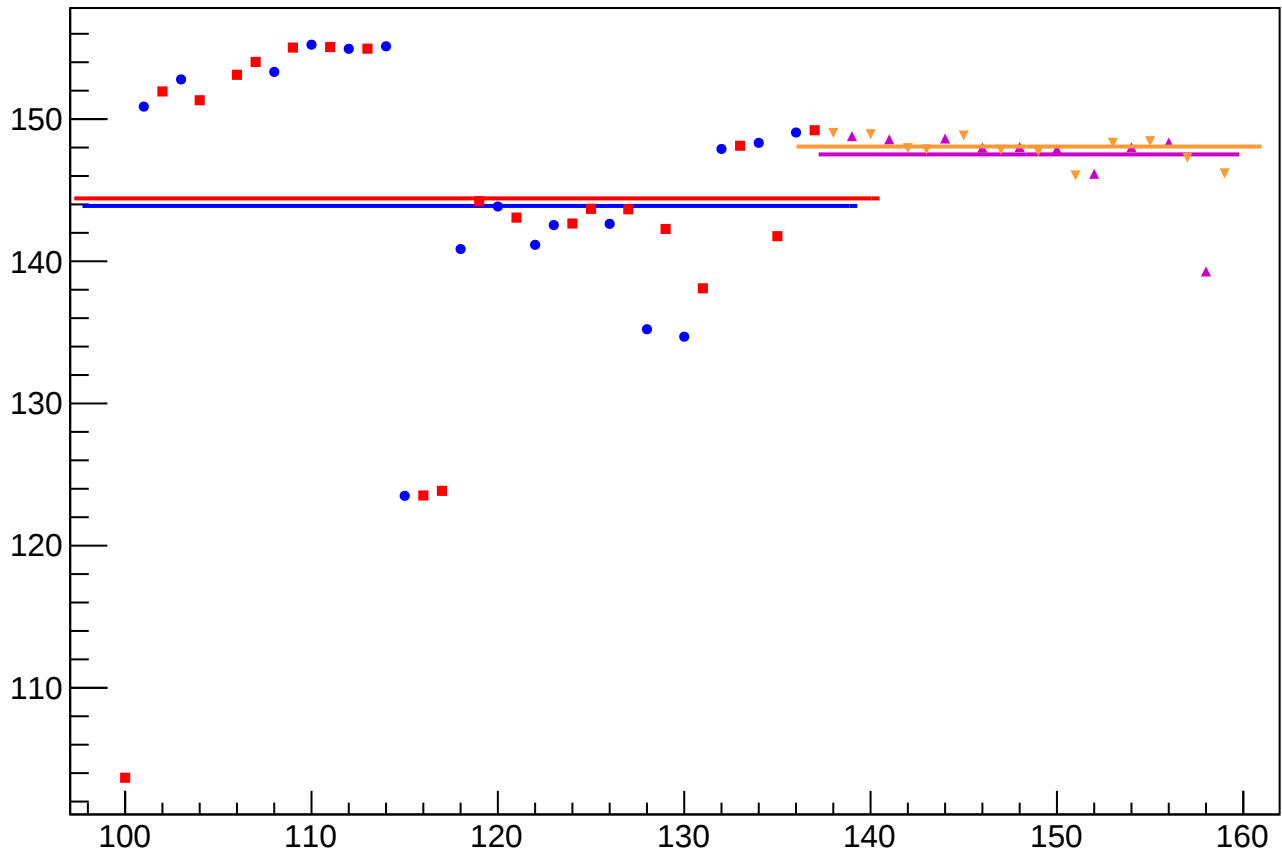
Right Out: 0.322 ± 0.000 χ^2/NDF : 1244304.0/19

Left In: 0.381 ± 0.000 χ^2/NDF : 529500.4/9

0.347 ± 0.000 χ^2/NDF : 2116551.8/28

0.350 ± 0.000 χ^2/NDF : 1966272.1/29

yield_bcm_an_us_mean vs Slug



Right In: 143.893+/-0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.070+/-0.000 χ^2/NDF : 48643618.8/11

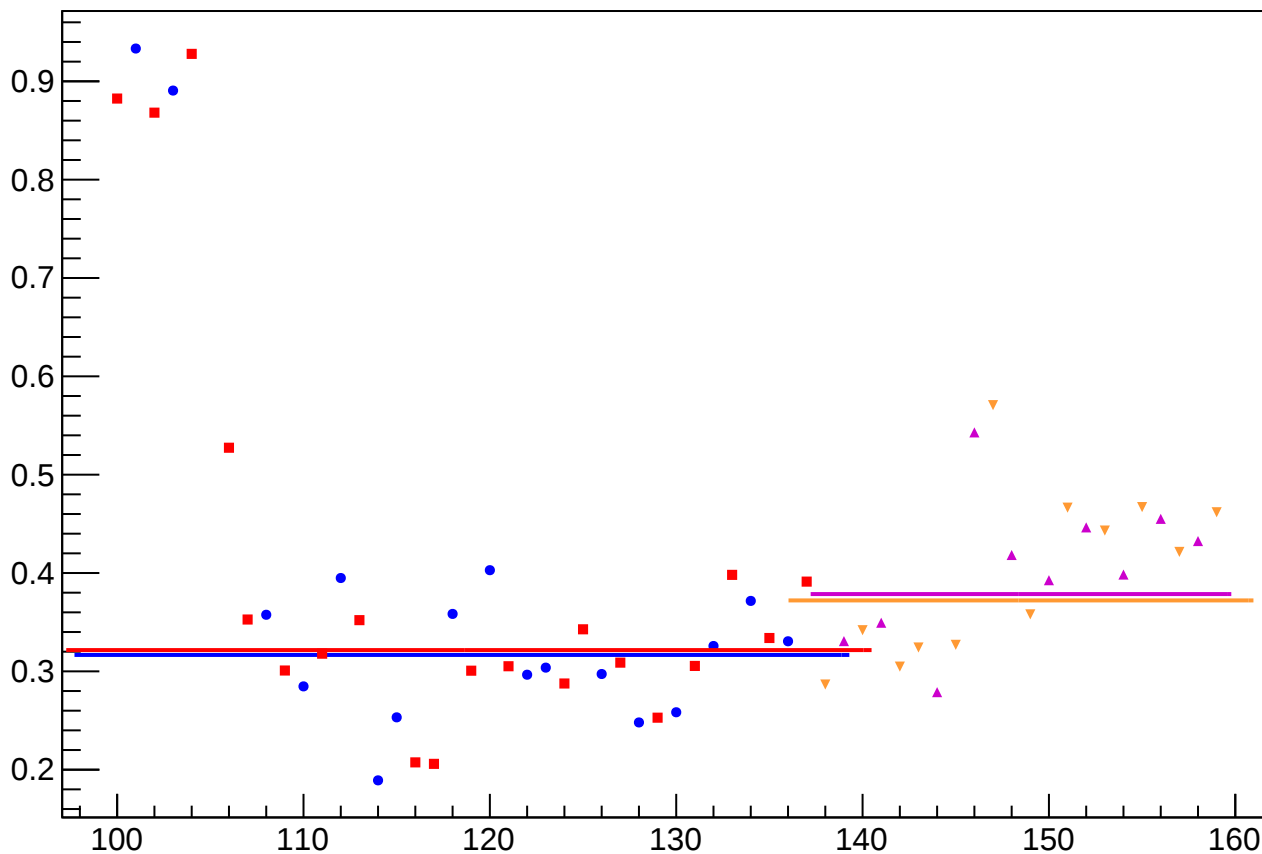
146.059+/-0.000 χ^2/NDF : 4301173104.9/28

Right Out: 144.423+/-0.000 χ^2/NDF : 4819194675.6/19

145.915+/-0.000 χ^2/NDF : 5398160162.9/29

Left In: 147.517+/-0.000 χ^2/NDF : 316620057.7/9

yield_bcm_an_us_rms vs Slug



Right In: 0.317+/-0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.372+/-0.000 χ^2/NDF : 658265.4/11

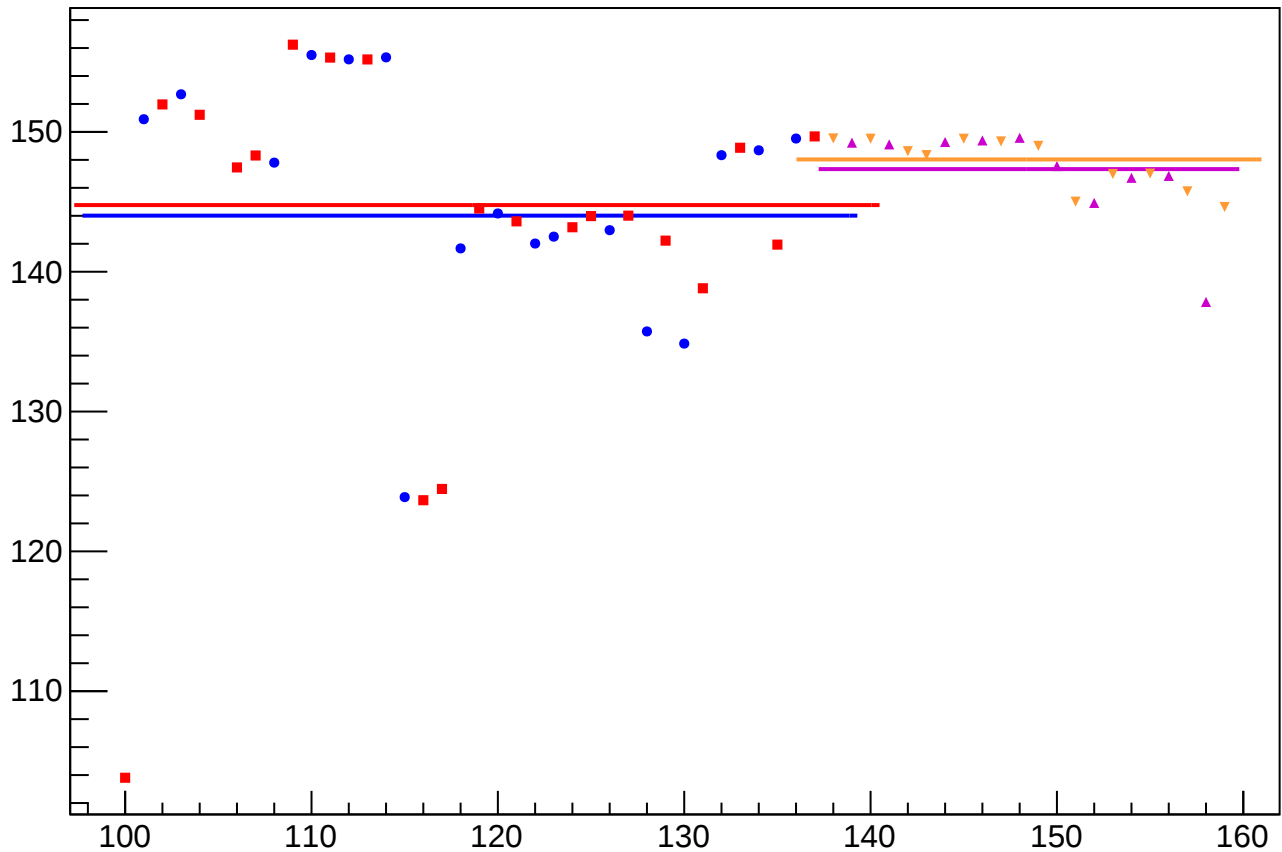
Right Out: 0.322+/-0.000 χ^2/NDF : 1244671.1/19

Left In: 0.379+/-0.000 χ^2/NDF : 520635.1/9

0.345+/-0.000 χ^2/NDF : 2114738.2/28

0.349+/-0.000 χ^2/NDF : 1943181.5/29

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 148.033 $\pm$ 0.000 χ^2 /NDF:155450819.8/11

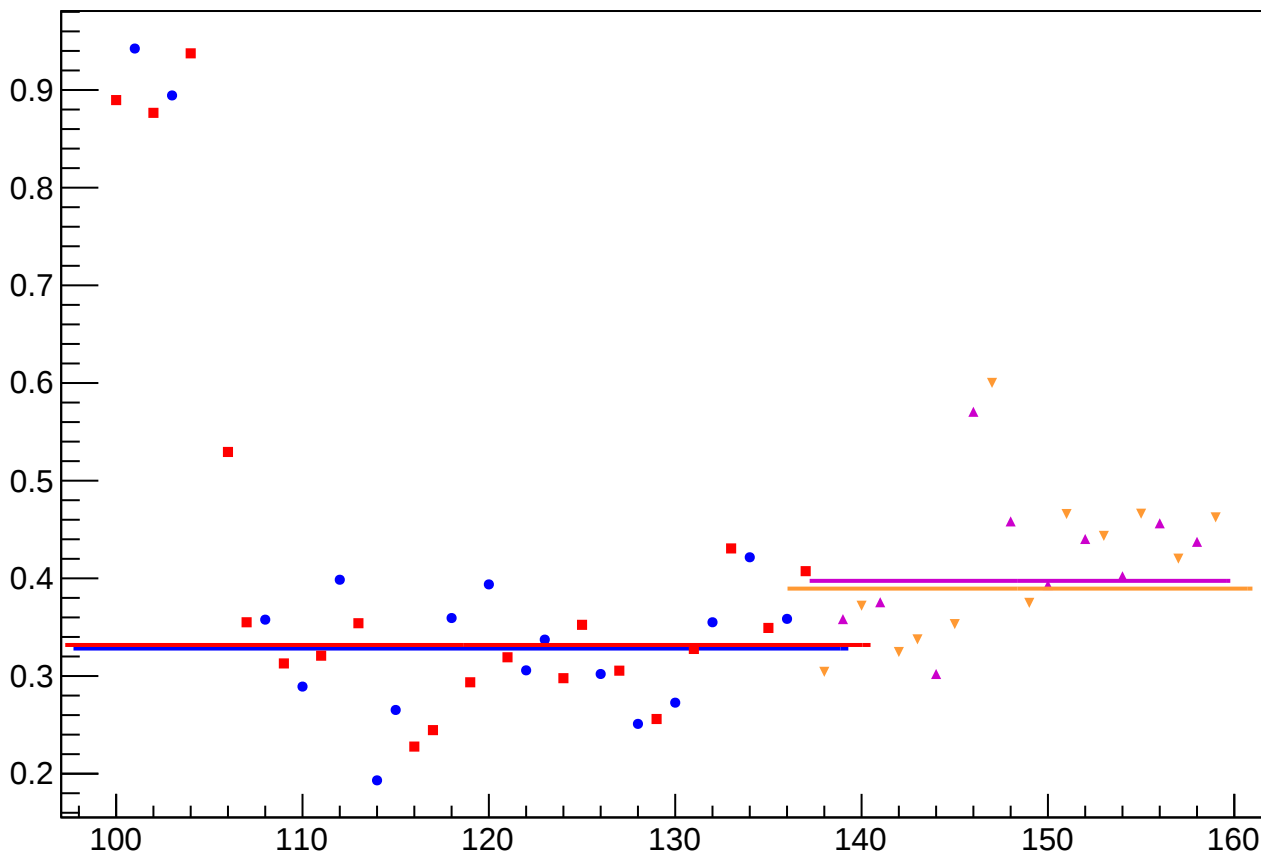
146.082 $\pm$ 0.000 χ^2 /NDF: 3824197971.8/28

Right Out: 144.767 $\pm$ 0.000 χ^2 /NDF: 4097482970.1/19

145.989 $\pm$ 0.000 χ^2 /NDF: 4745086874.0/29

Left In: 147.341 $\pm$ 0.000 χ^2 /NDF:479770957.8/9

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 $\pm$ 0.000 χ^2 /NDF: 1265892.9/16

Left Out: 0.390 $\pm$ 0.000 χ^2 /NDF:524785.8/11

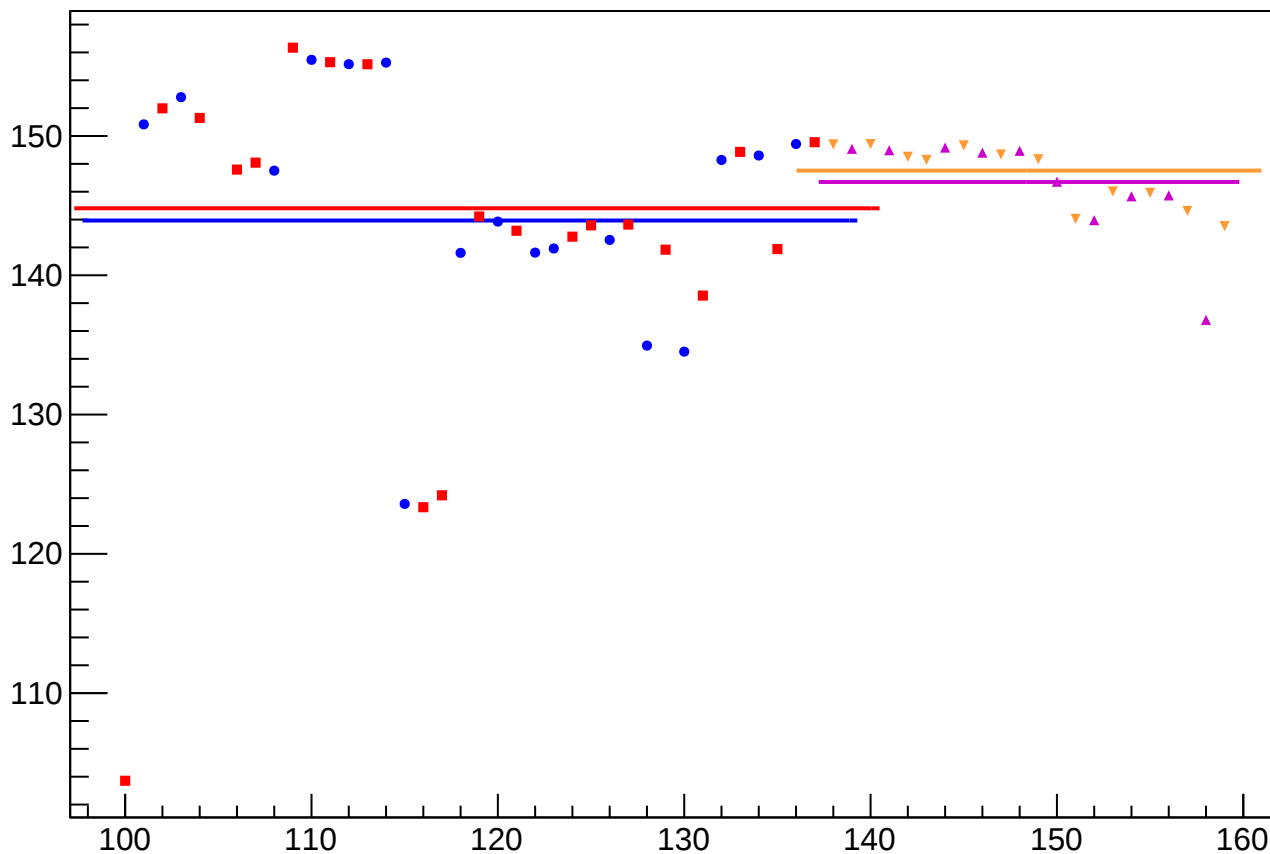
Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 1194167.8/19

Left In: 0.397 $\pm$ 0.000 χ^2 /NDF:410300.7/9

0.360 $\pm$ 0.000 χ^2 /NDF: 1989725.7/28

0.363 $\pm$ 0.000 χ^2 /NDF: 1822957.4/29

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 ± 0.000 χ^2/NDF : 3383012861.2/16

Left Out: 147.516 ± 0.000 χ^2/NDF : 230978707.3/11

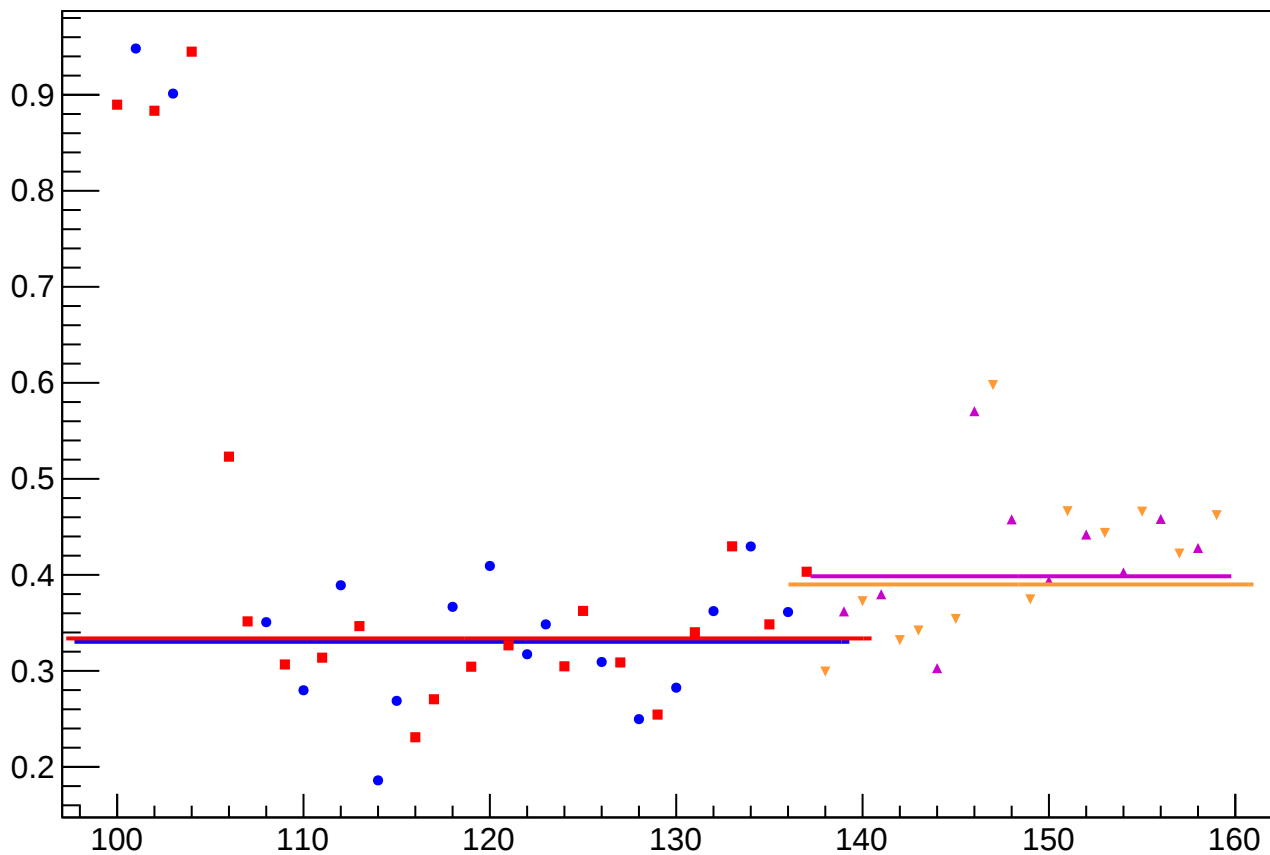
Right Out: 144.809 ± 0.000 χ^2/NDF : 4138041955.6/19

Left In: 146.700 ± 0.000 χ^2/NDF : 581213645.5/9

145.789 ± 0.000 χ^2/NDF : 3949578371.8/28

145.710 ± 0.000 χ^2/NDF : 4808980284.1/29

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 ± 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.390 ± 0.000 χ^2/NDF : 524555.0/11

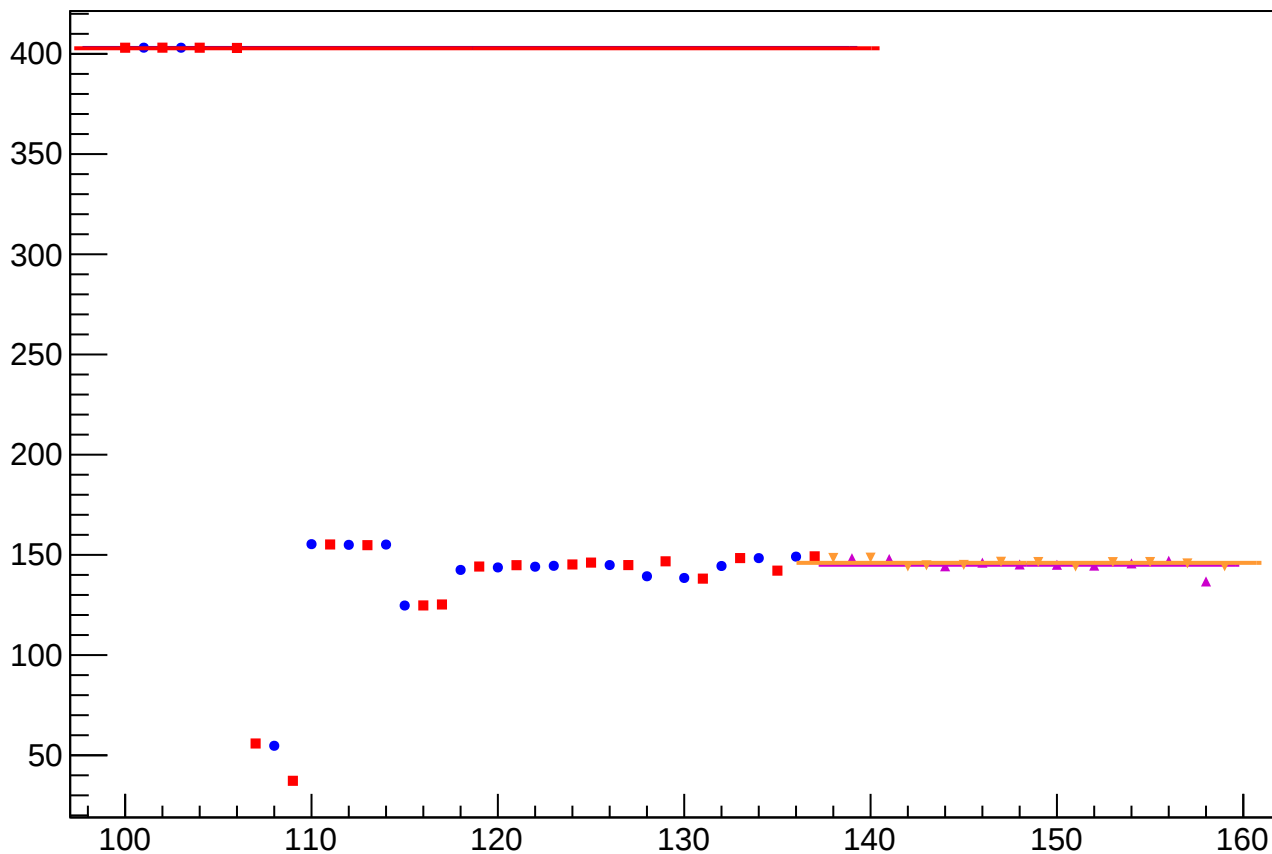
Right Out: 0.334 ± 0.000 χ^2/NDF : 1177889.1/19

Left In: 0.399 ± 0.000 χ^2/NDF : 396904.1/9

0.361 ± 0.000 χ^2/NDF : 1994798.4/28

0.365 ± 0.000 χ^2/NDF : 1785107.5/29

yield_cav4bQ_mean vs Slug



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 146.022+/-0.000 χ^2/NDF : 35089640.6/11

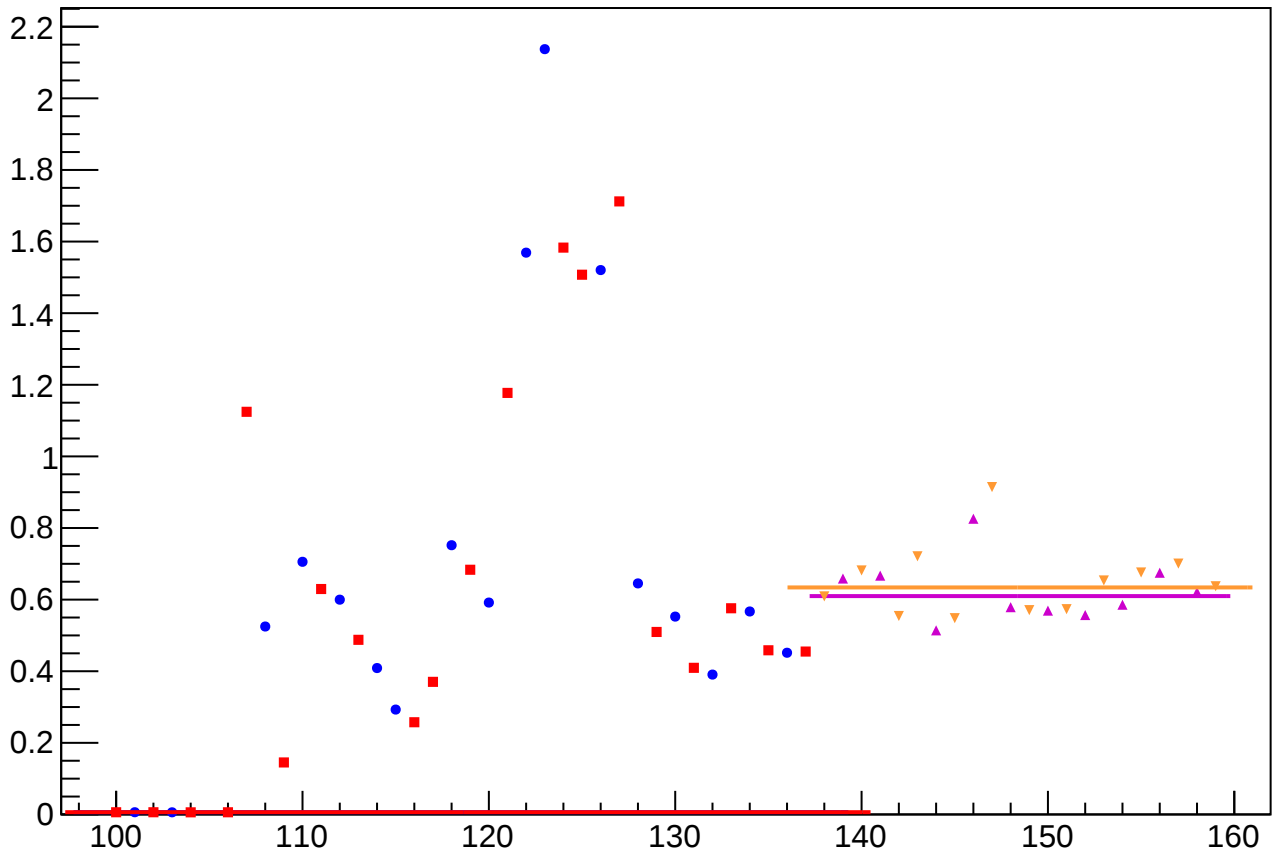
Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

Left In: 145.071+/-0.000 χ^2/NDF : 125809903.6/9

402.839+/-0.000 χ^2/NDF : 2046674075477.2/28

402.692+/-0.000 χ^2/NDF : 4076986381093.0/29

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.634+/-0.000 χ^2/NDF :184296.1/11

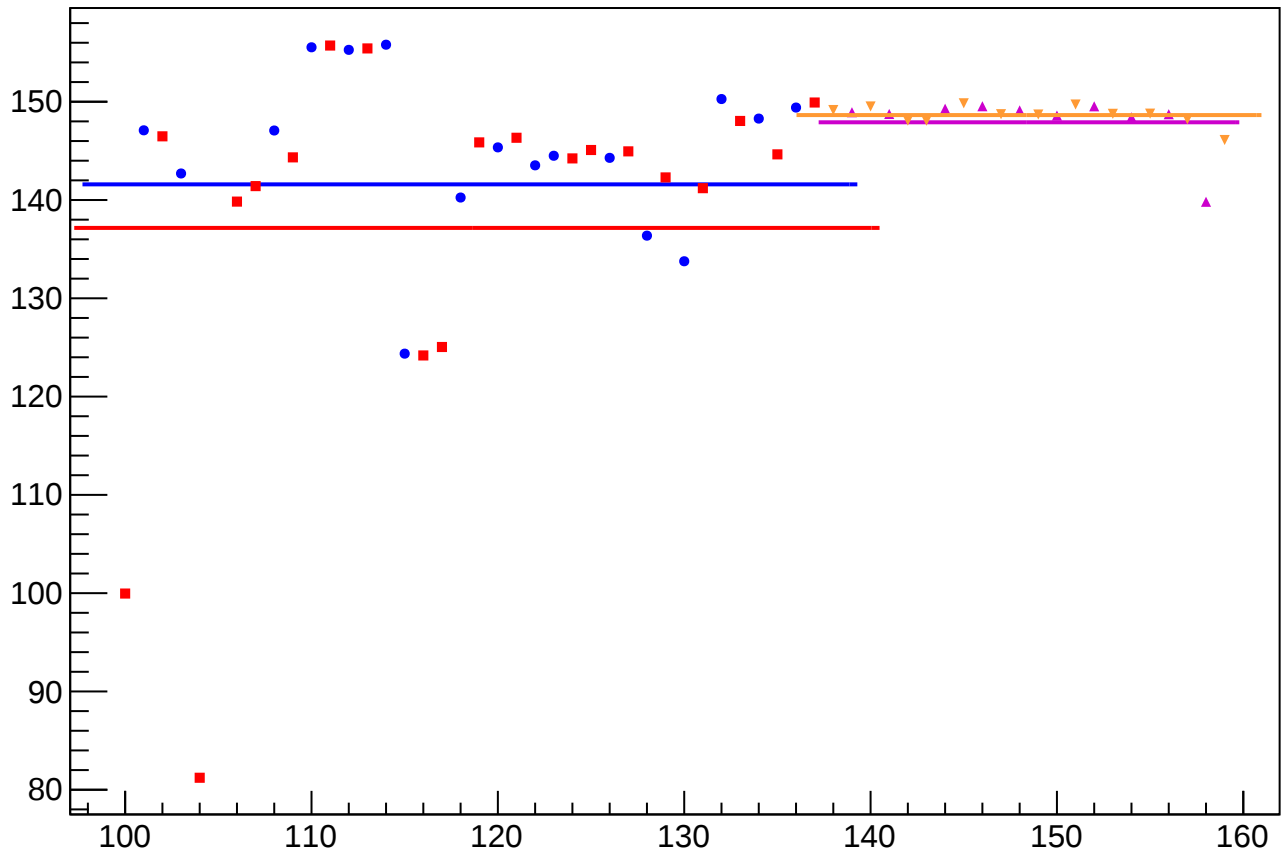
Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

Left In: 0.610+/-0.000 χ^2/NDF :153343.6/9

0.007+/-0.000 χ^2/NDF : 20630353.0/28

0.007+/-0.000 χ^2/NDF : 19896140.2/29

yield_cav4cQ_mean vs Slug



Right In: 141.593+/-0.000 χ^2/NDF : 980101868.2/16

Left Out: 148.642+/-0.000 χ^2/NDF : 28334346.2/11

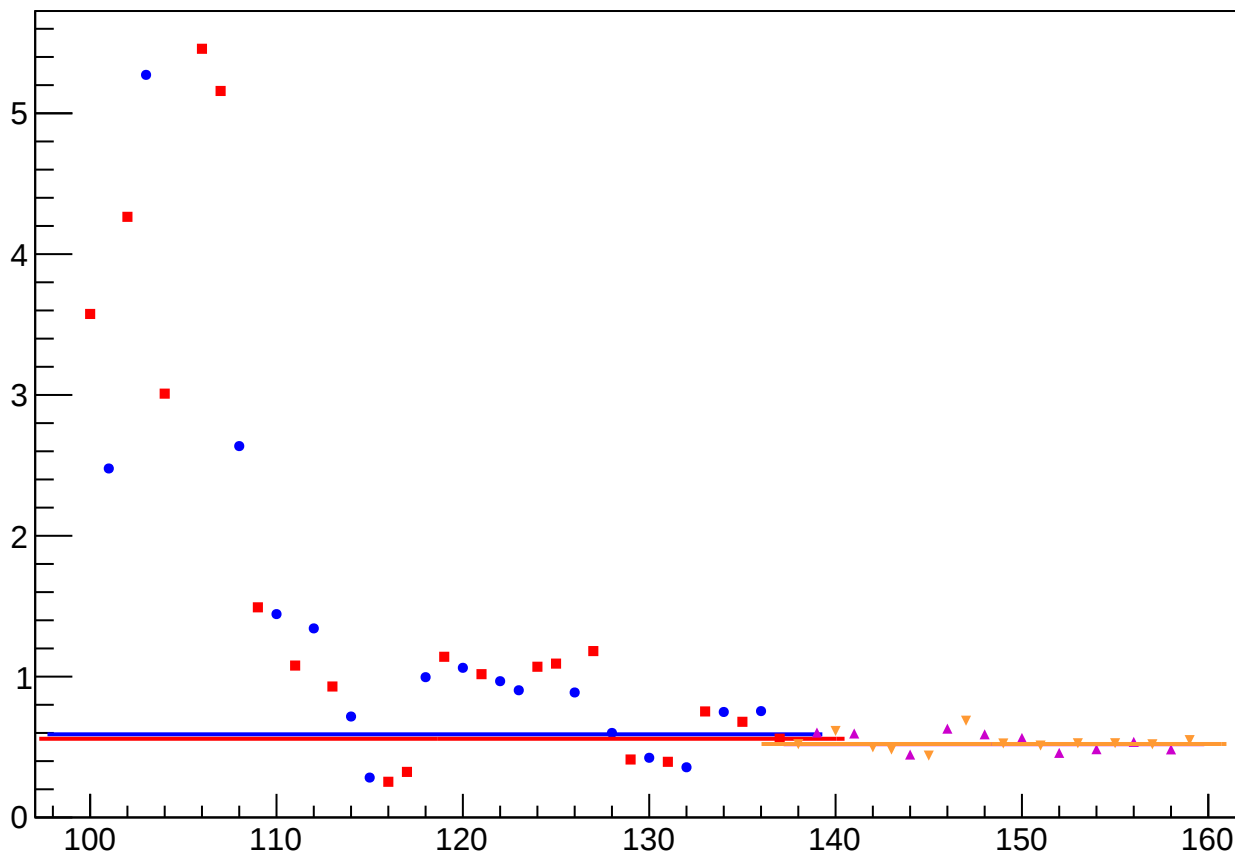
146.781+/-0.000 χ^2/NDF : 1377607607.4/28

Right Out: 137.162+/-0.000 χ^2/NDF : 1366089515.6/19

144.708+/-0.000 χ^2/NDF : 2488091390.4/29

Left In: 147.908+/-0.000 χ^2/NDF : 233947522.4/9

yield_cav4cQ_rms vs Slug



Right In: 0.590 ± 0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.522 ± 0.000 χ^2/NDF : 168146.0/11

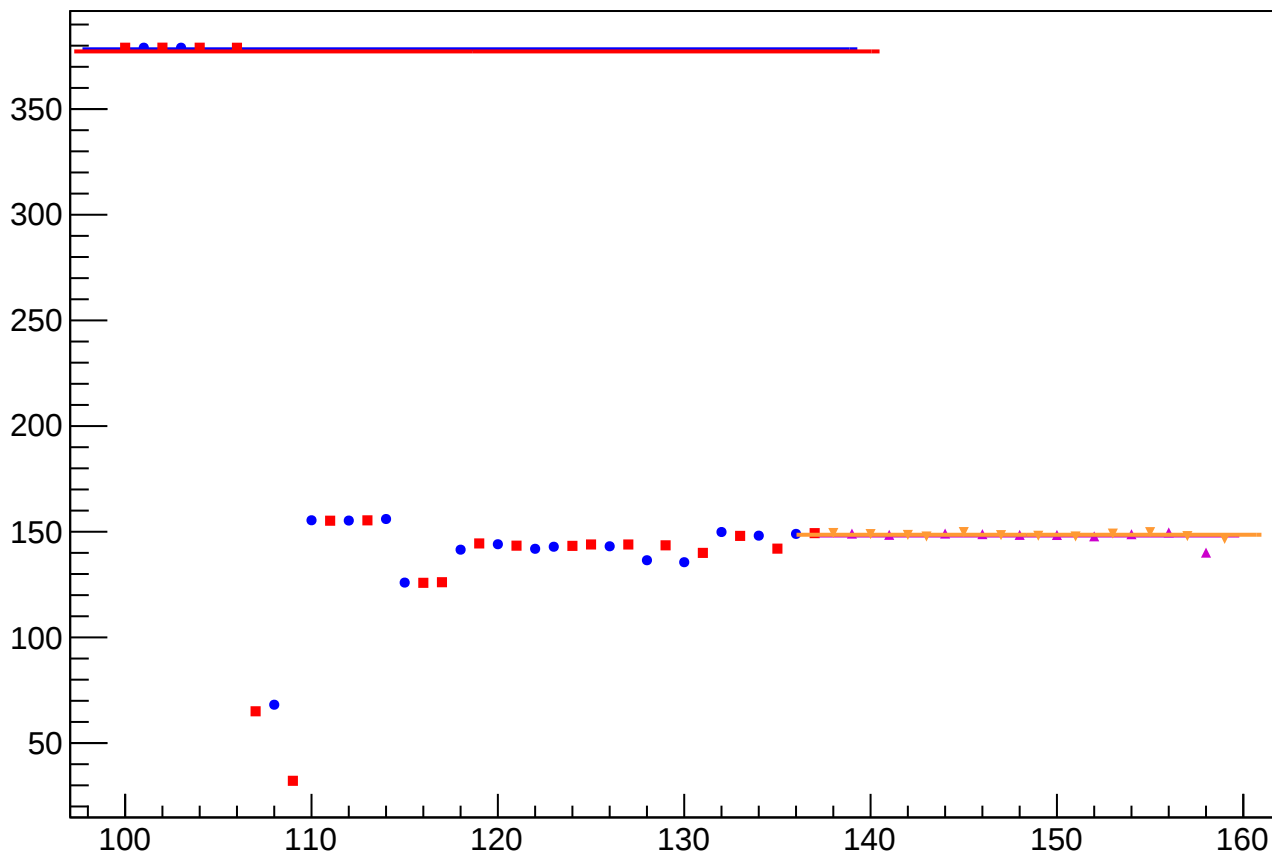
Right Out: 0.559 ± 0.000 χ^2/NDF : 4721291.1/19

Left In: 0.520 ± 0.000 χ^2/NDF : 198522.8/9

0.540 ± 0.000 χ^2/NDF : 3730080.1/28

0.532 ± 0.000 χ^2/NDF : 4942738.5/29

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.577+/-0.000 χ^2/NDF : 39551078.2/11

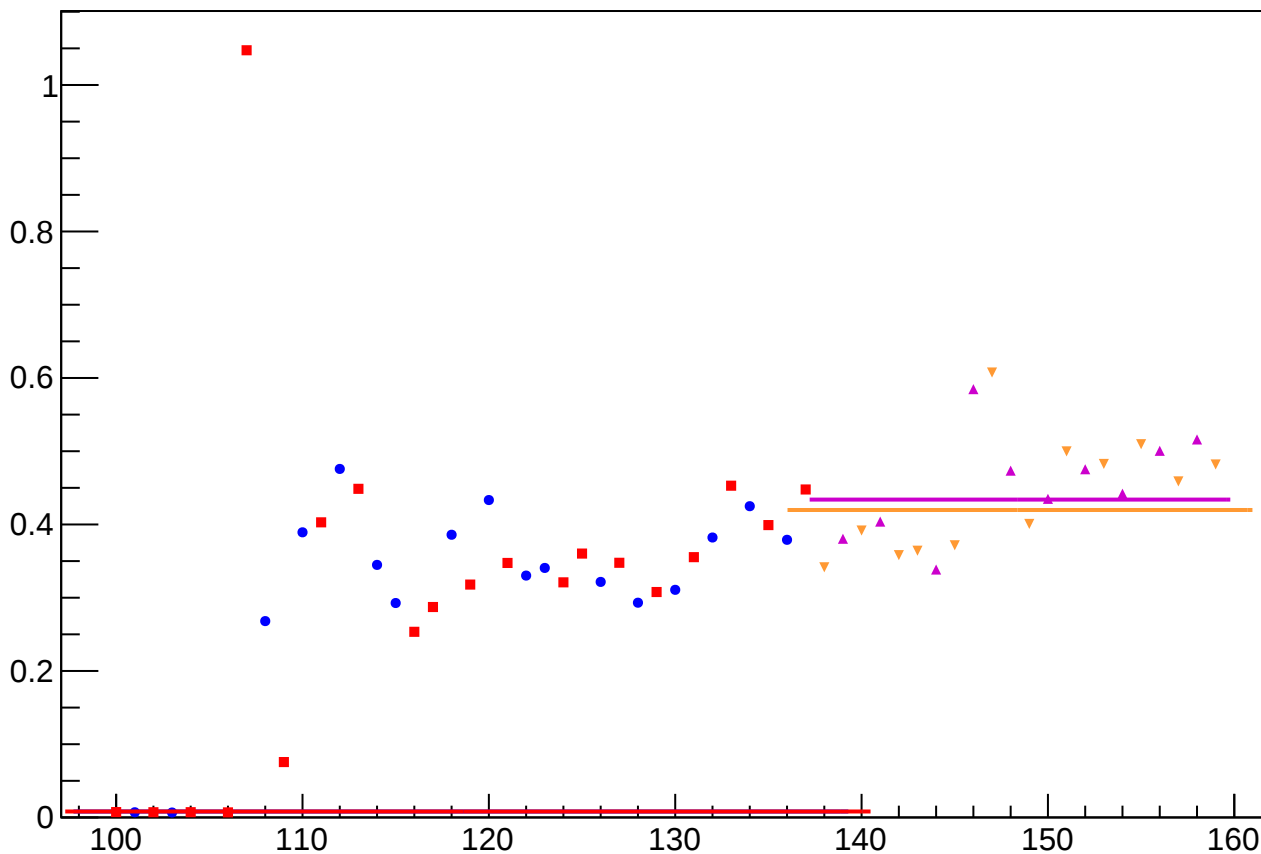
Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

Left In: 148.202+/-0.000 χ^2/NDF : 206756575.2/9

377.465+/-0.000 χ^2/NDF : 5010085797423.0/28

376.664+/-0.000 χ^2/NDF : 10455922017288.9/28

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.420+/-0.000 χ^2/NDF : 455678.4/11

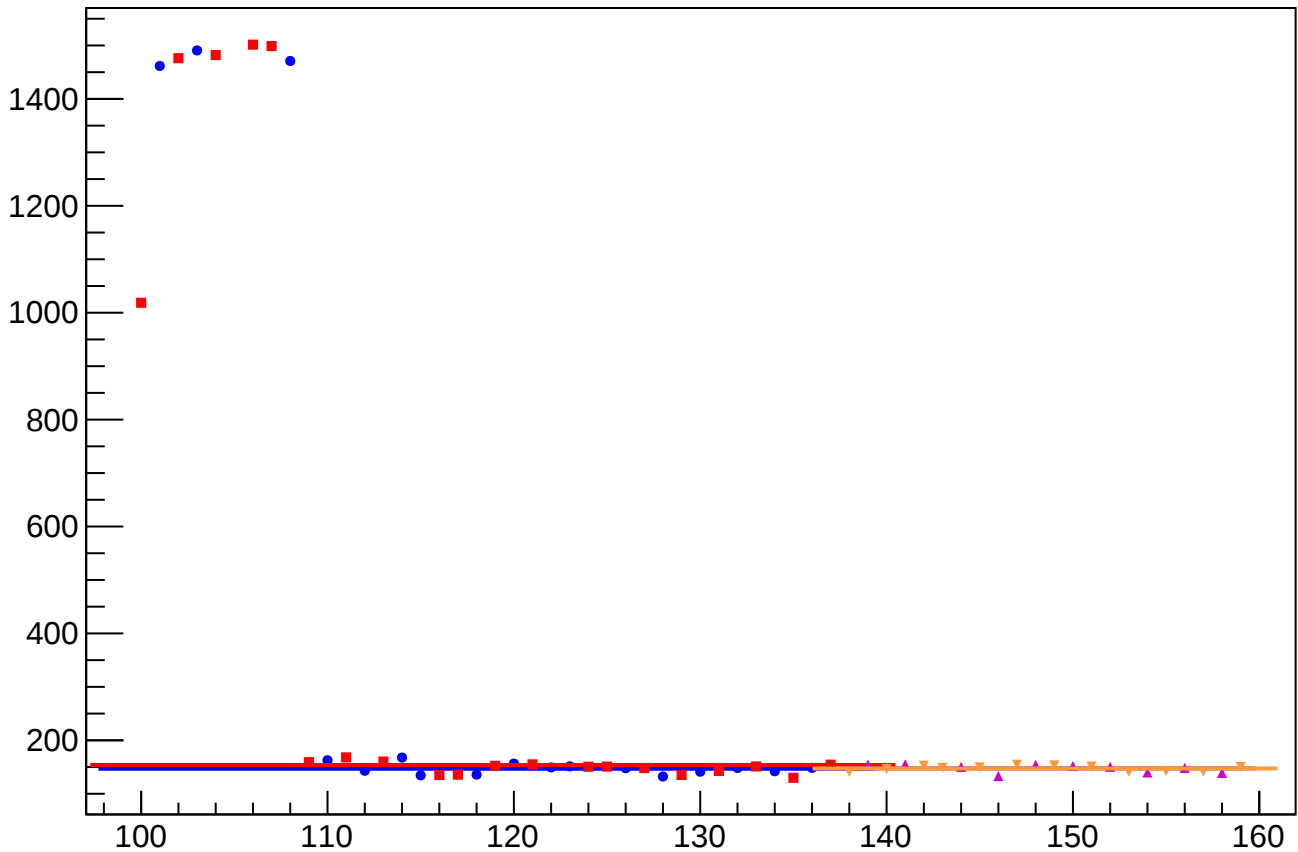
Right Out: 0.008+/-0.000 χ^2/NDF : 9589375.6/19

Left In: 0.434+/-0.000 χ^2/NDF : 364602.2/9

0.010+/-0.000 χ^2/NDF : 26330865.7/28

0.009+/-0.000 χ^2/NDF : 24759309.5/29

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 147.286+/-0.000 χ^2/NDF : 215532393.2/11

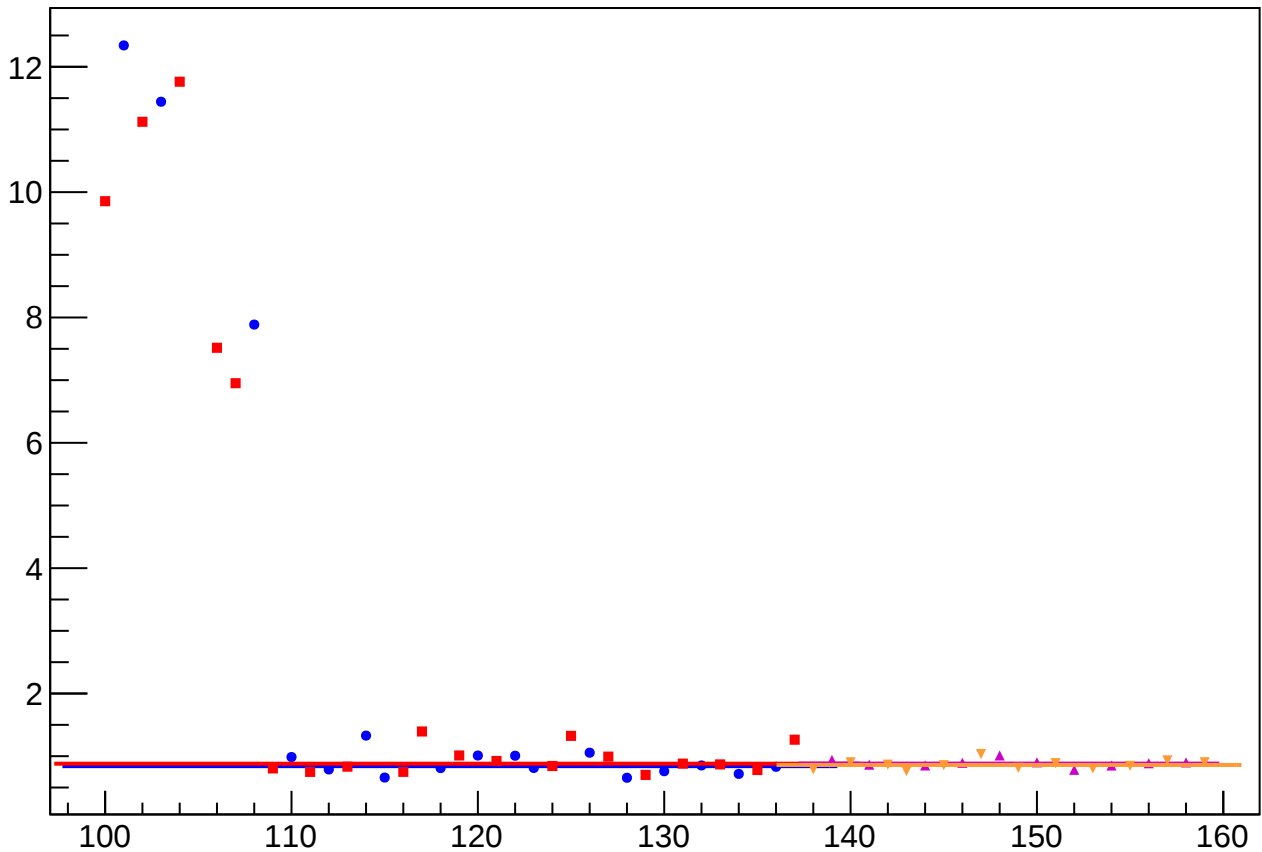
147.117+/-0.000 χ^2/NDF : 24577048754.0/28

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

149.909+/-0.000 χ^2/NDF : 34307962145.7/29

Left In: 147.431+/-0.000 χ^2/NDF : 430442769.6/9

yield_bcm0l02_rms vs Slug



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.860 ± 0.000 χ^2/NDF : 86253.6/11

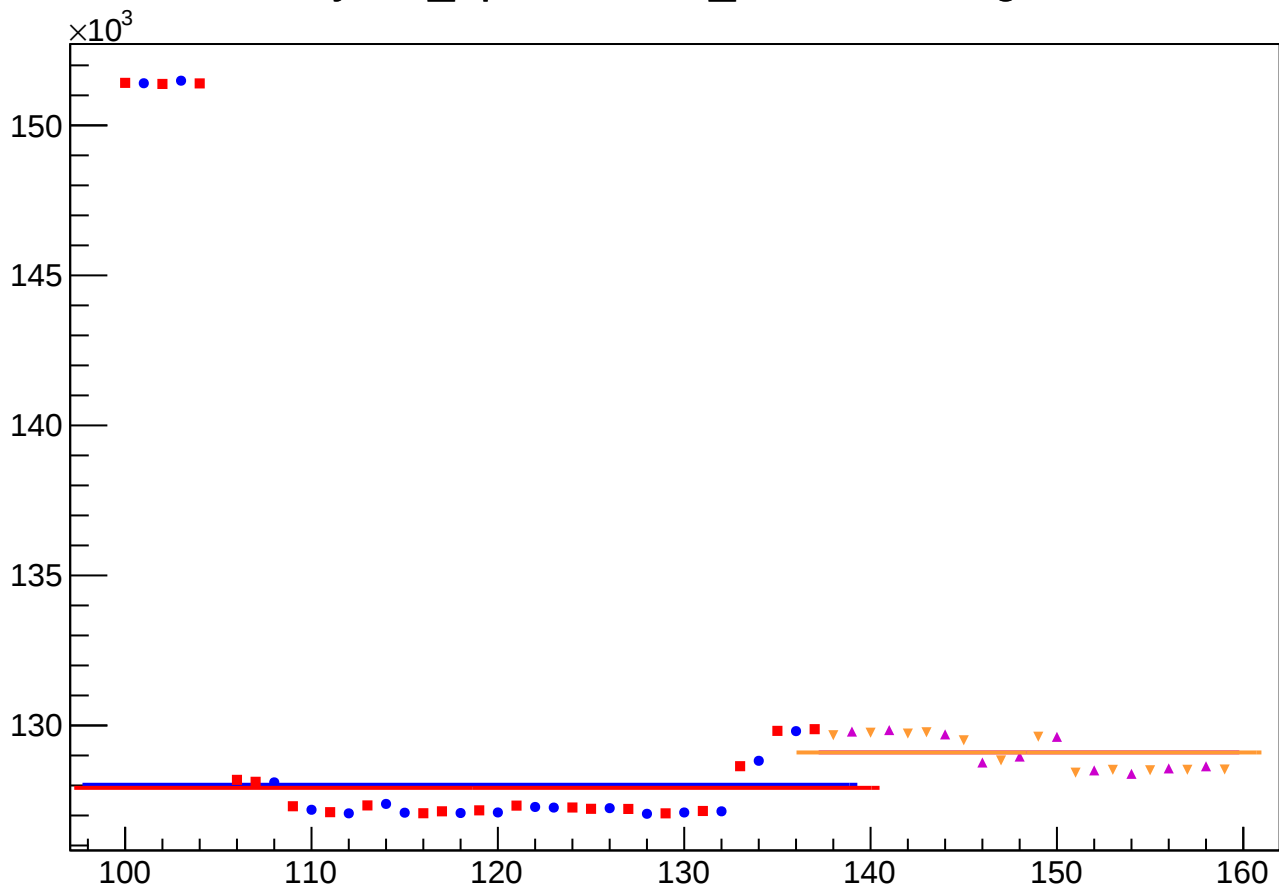
Right Out: 0.880 ± 0.000 χ^2/NDF : 2825356.7/19

Left In: 0.882 ± 0.000 χ^2/NDF : 54773.9/9

0.853 ± 0.000 χ^2/NDF : 2751063.5/28

0.881 ± 0.000 χ^2/NDF : 2880148.9/29

yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129100.157 $\pm$ 0.058 χ^2 /NDF: 97644053.5/11

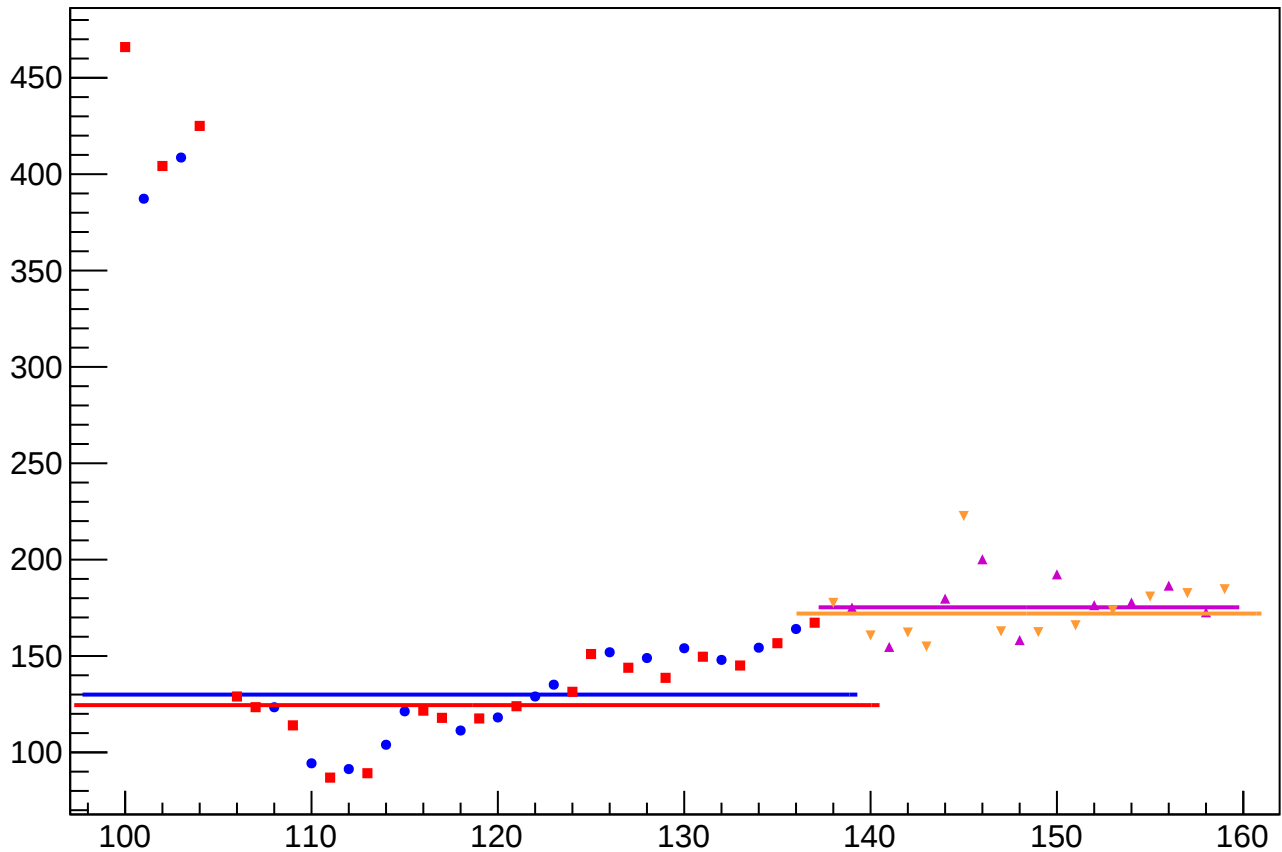
Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

Left In: 129103.544 $\pm$ 0.062 χ^2 /NDF: 84070757.4/9

128528.163 $\pm$ 0.040 χ^2 /NDF: 4596843077.0/28

128390.410 $\pm$ 0.039 χ^2 /NDF: 4073328821.2/29

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 ± 0.039 χ^2/NDF : 1485519.5/16

Left Out: 172.031 ± 0.041 χ^2/NDF : 136680.3/11

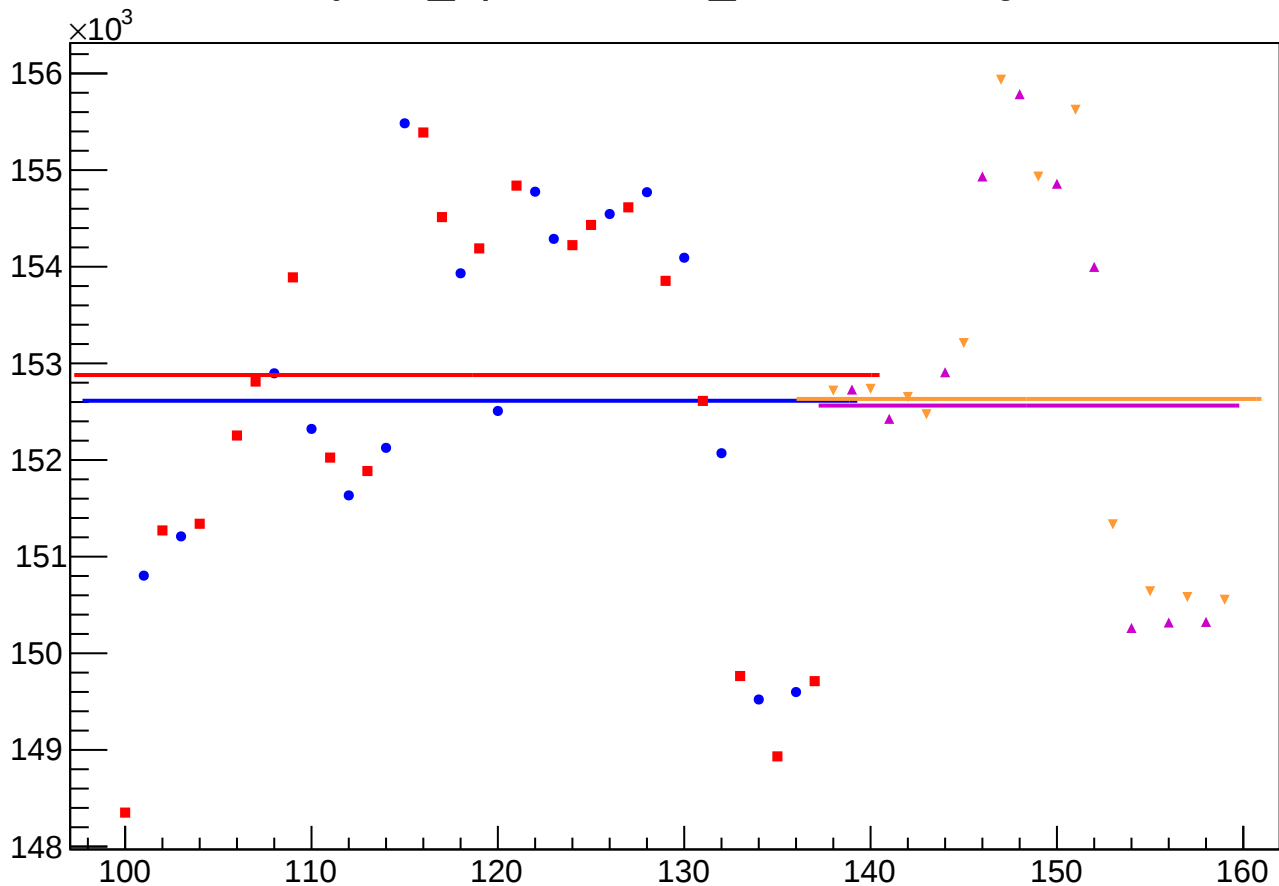
Right Out: 124.514 ± 0.035 χ^2/NDF : 1531546.7/19

Left In: 175.268 ± 0.044 χ^2/NDF : 93255.0/9

149.690 ± 0.028 χ^2/NDF : 2179518.8/28

144.653 ± 0.028 χ^2/NDF : 2436794.8/29

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 152632.098 $\pm$ 0.065 χ^2 /NDF: 694877693.2/11

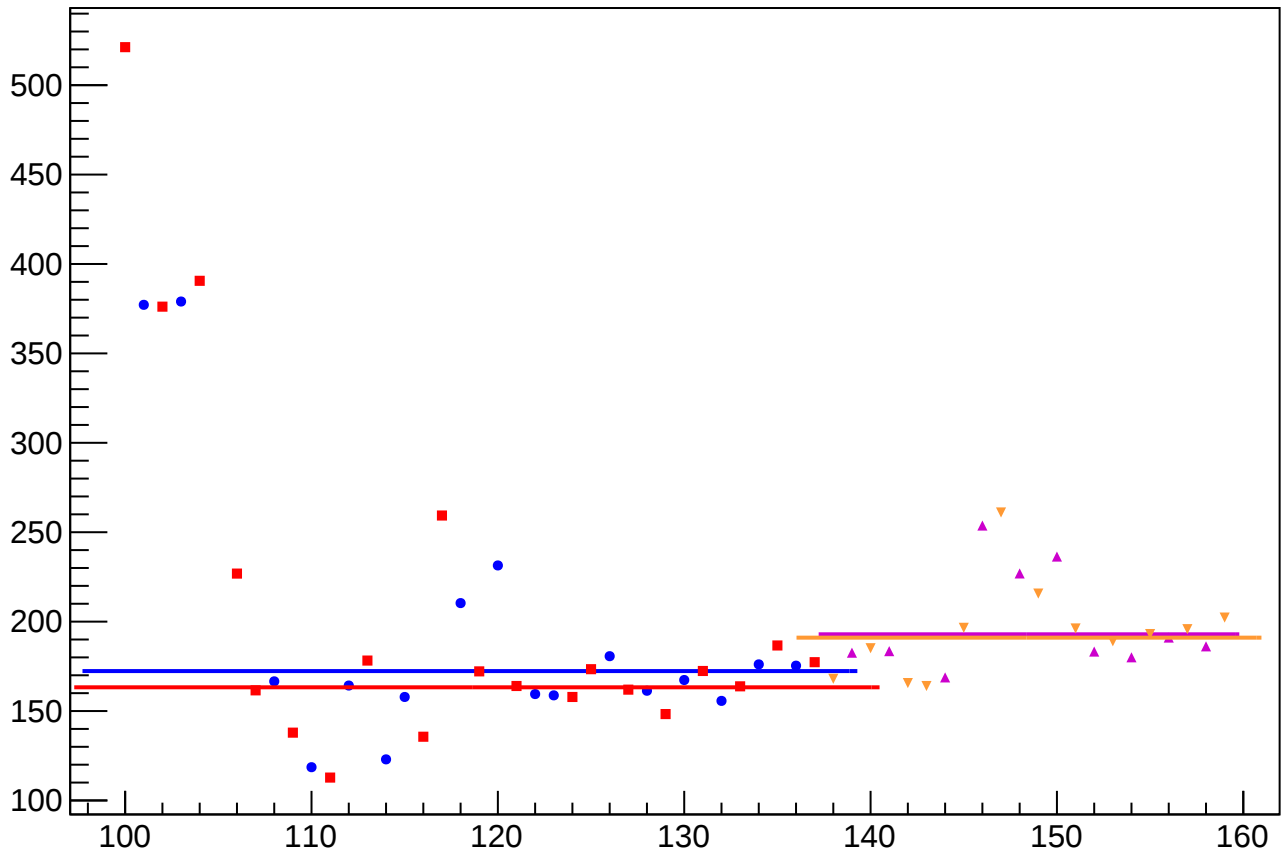
Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

Left In: 152563.167 $\pm$ 0.069 χ^2 /NDF: 718787229.9/9

152623.629 $\pm$ 0.048 χ^2 /NDF: 1318271969.3/28

152727.137 $\pm$ 0.048 χ^2 /NDF: 1447716455.7/29

yield_bpm0i07WS_rms vs Slug



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 191.040+/-0.046 χ^2/NDF : 224335.7/11

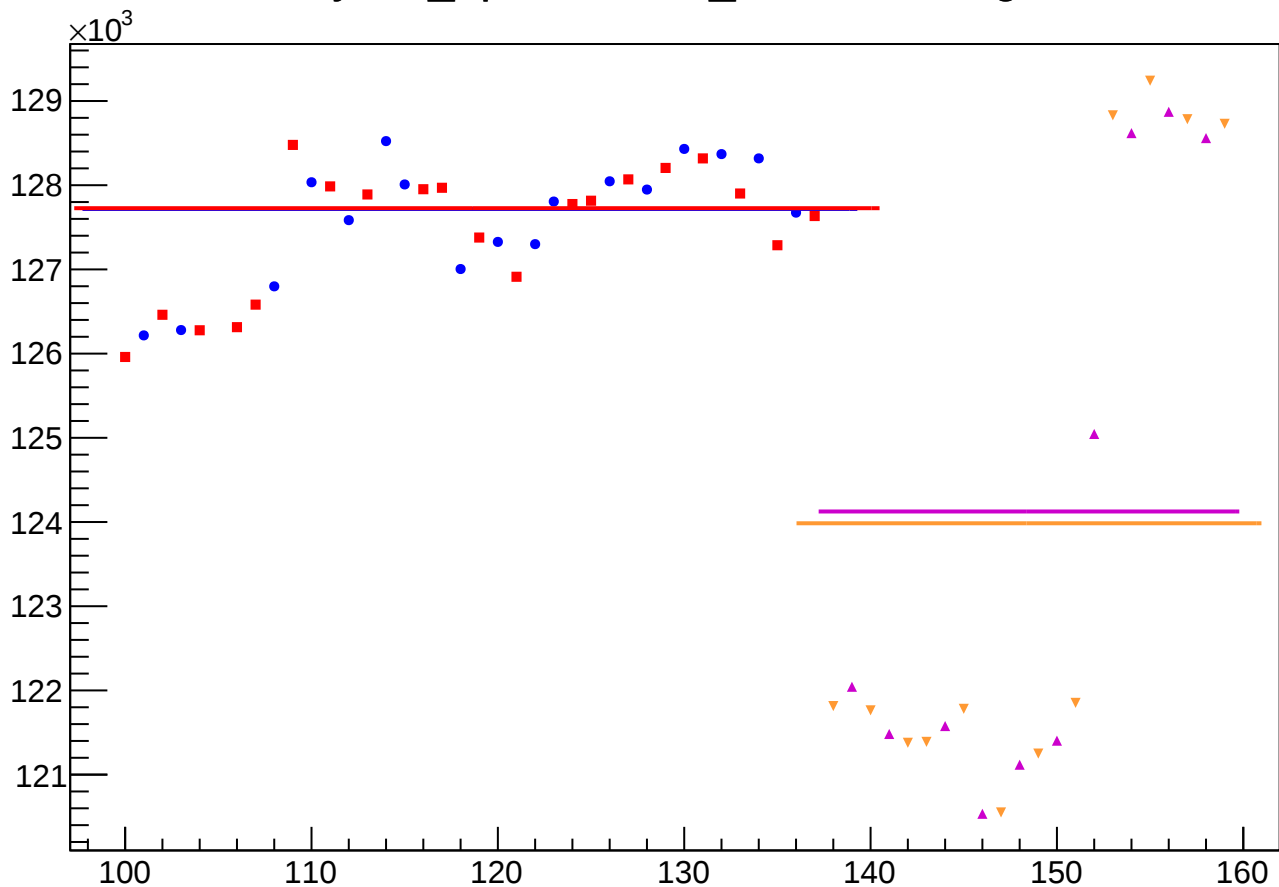
182.700+/-0.034 χ^2/NDF : 1220313.4/28

Right Out: 163.273+/-0.047 χ^2/NDF : 1043440.1/19

177.548+/-0.034 χ^2/NDF : 1479146.1/29

Left In: 192.915+/-0.049 χ^2/NDF : 242086.2/9

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 123985.049 $\pm$ 0.056 χ^2 /NDF: 3793625874.6/11

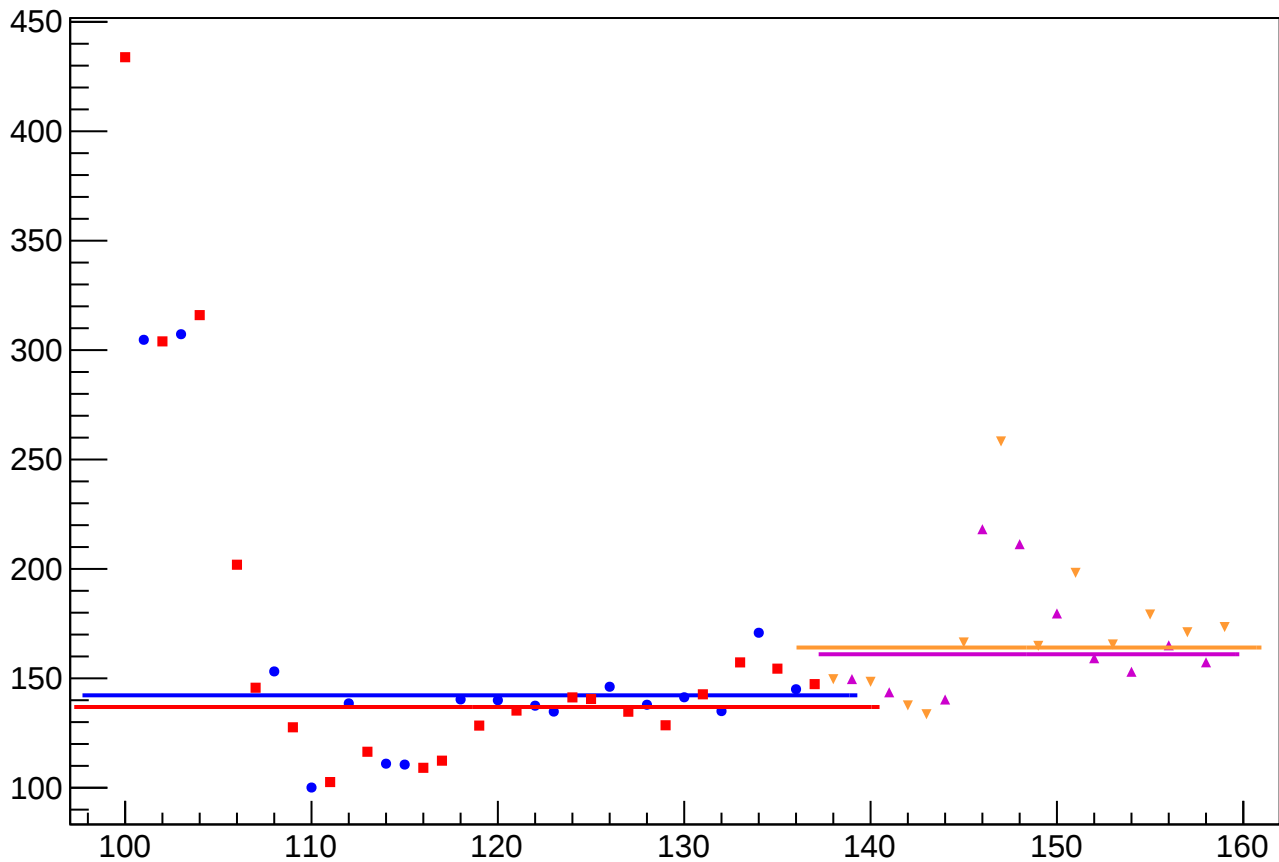
Right Out: 127726.969 $\pm$ 0.054 χ^2 /NDF: 112752557.5/19

Left In: 124125.076 $\pm$ 0.058 χ^2 /NDF: 3253644707.3/9

125789.329 $\pm$ 0.041 χ^2 /NDF: 6007971403.6/28

126034.387 $\pm$ 0.039 χ^2 /NDF: 5437977301.1/29

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 164.082 $\pm$ 0.040 χ^2 /NDF: 396325.0/11

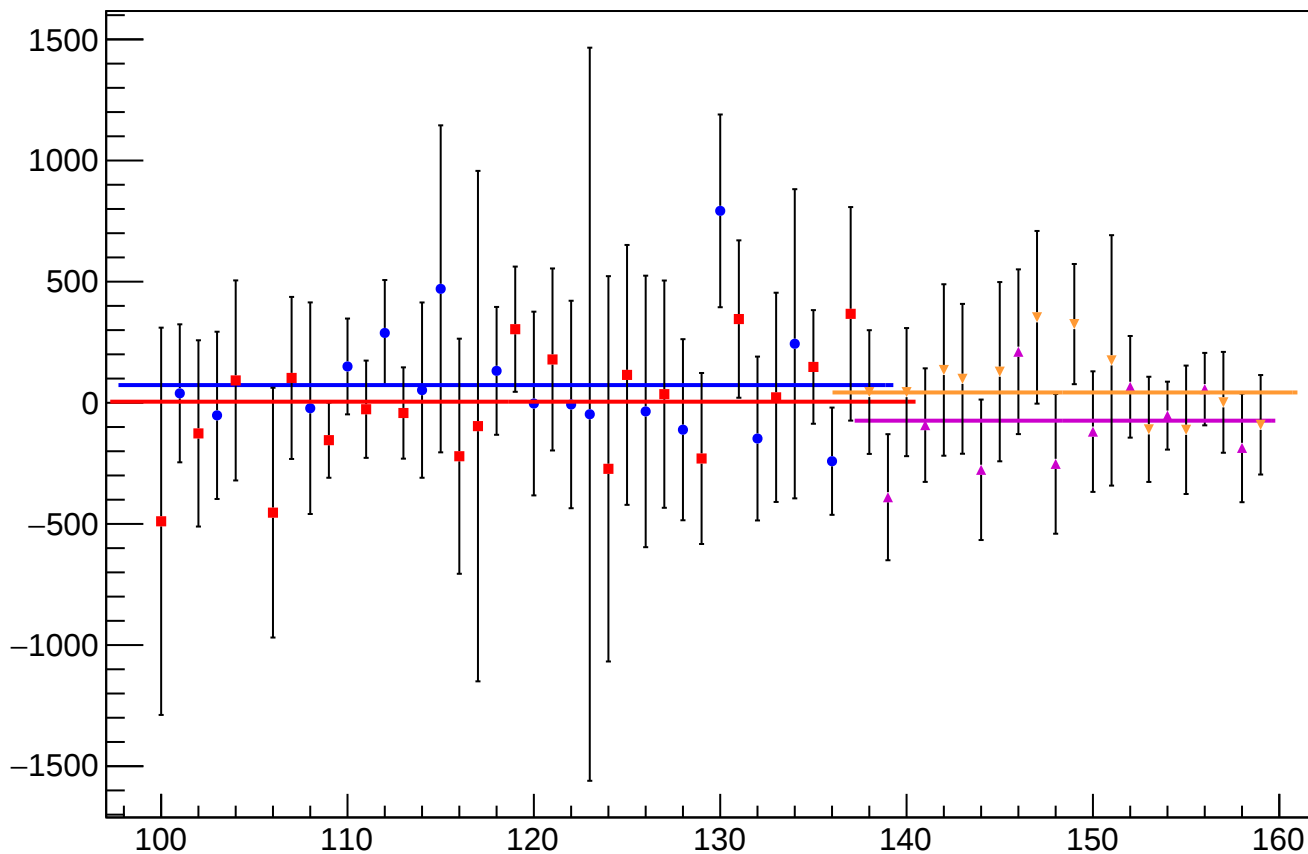
Right Out: 136.904 $\pm$ 0.038 χ^2 /NDF: 961858.5/19

Left In: 161.005 $\pm$ 0.041 χ^2 /NDF: 287668.6/9

153.525 $\pm$ 0.029 χ^2 /NDF: 1377848.9/28

148.229 $\pm$ 0.028 χ^2 /NDF: 1435031.8/29

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 42.639+/-77.731 χ^2/NDF : 3.6/11

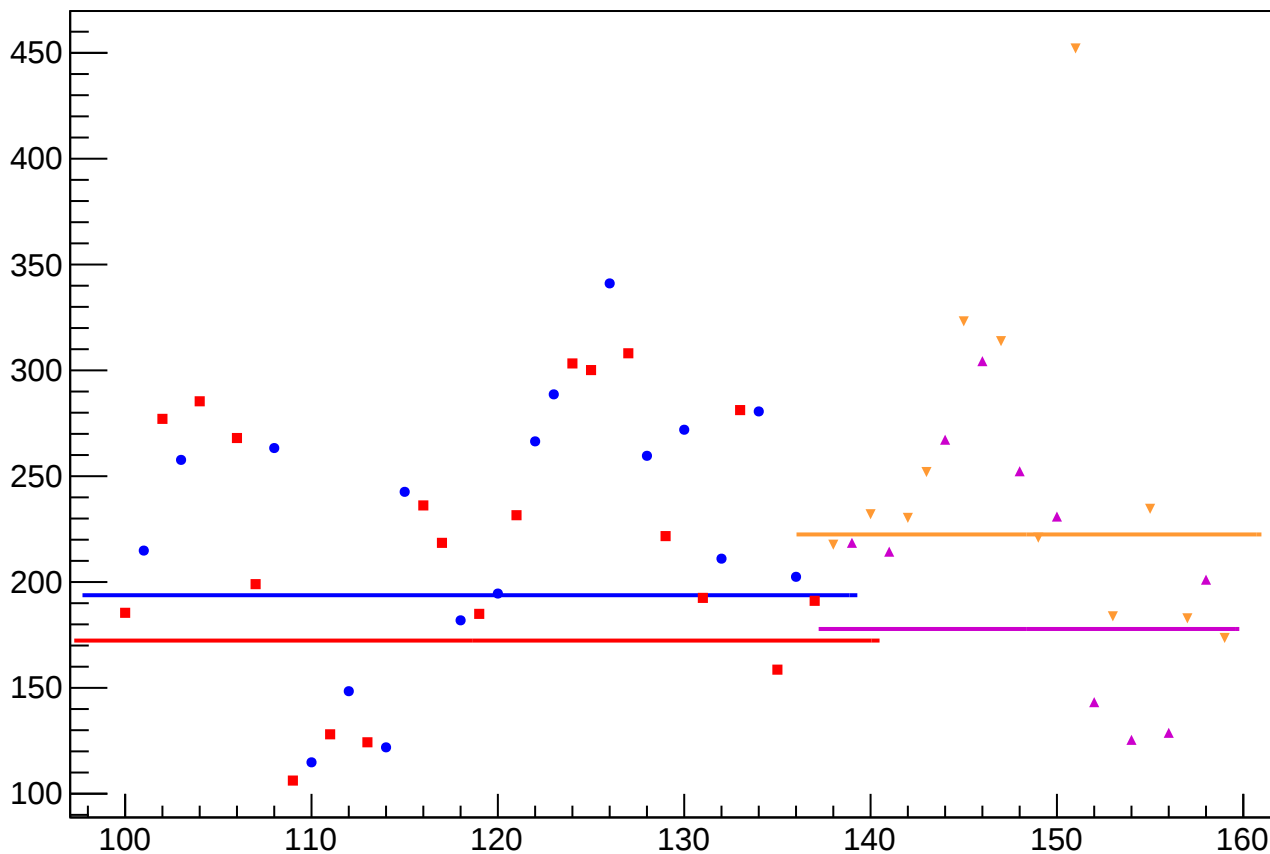
Right Out: 4.574+/-69.944 χ^2/NDF : 7.1/19

Left In: -73.813+/-67.433 χ^2/NDF : 4.6/9

57.512+/-55.615 χ^2/NDF : 11.5/28

-36.051+/-48.546 χ^2/NDF : 12.3/29

asym_bcm_an_ds_rms vs Slug



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 222.484+/-0.055 χ^2/NDF : 950310.1/11

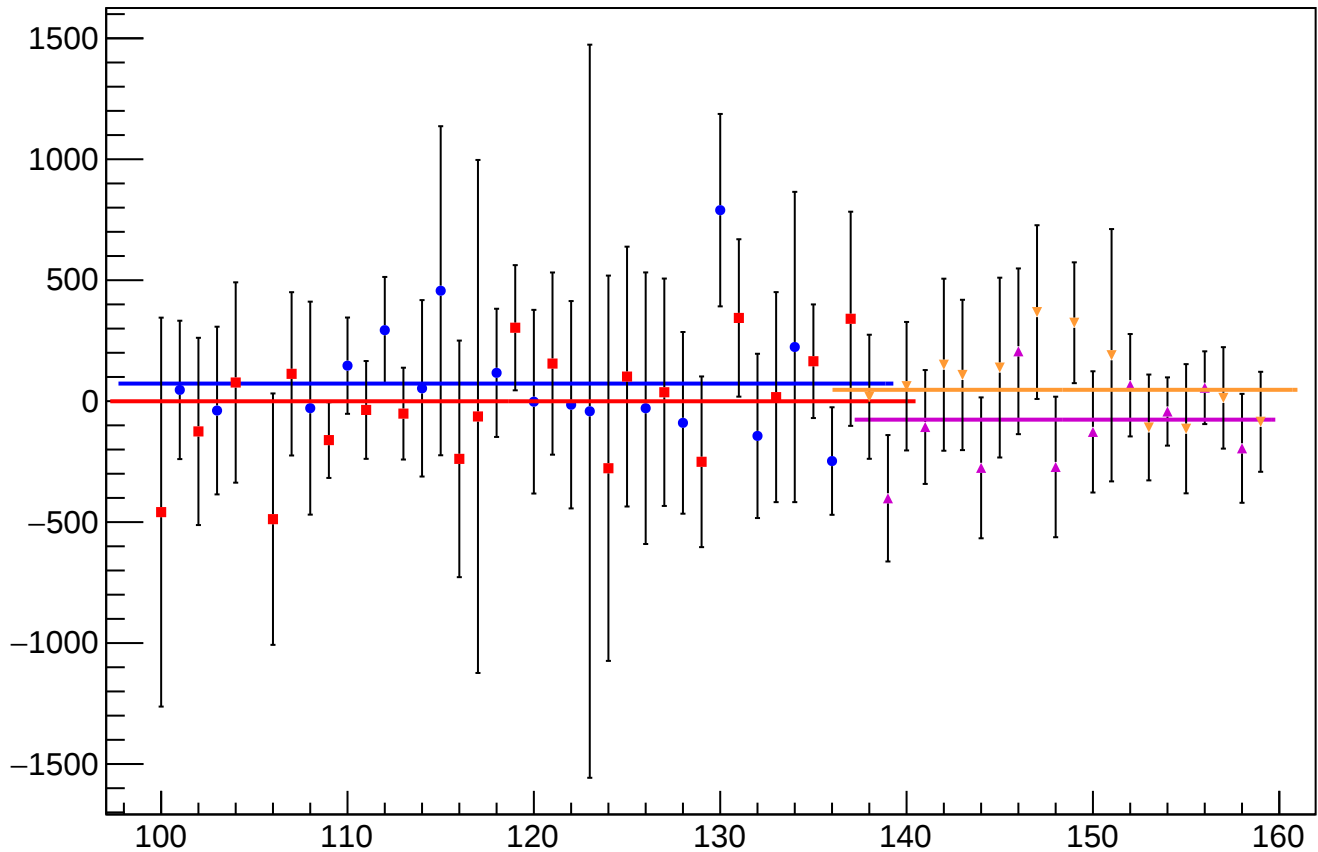
Right Out: 172.346+/-0.049 χ^2/NDF : 1583893.0/19

Left In: 177.824+/-0.048 χ^2/NDF : 1359661.2/9

208.470+/-0.039 χ^2/NDF : 2100582.1/28

175.185+/-0.034 χ^2/NDF : 2949912.0/29

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 46.895+/-78.227 χ^2/NDF : 3.6/11

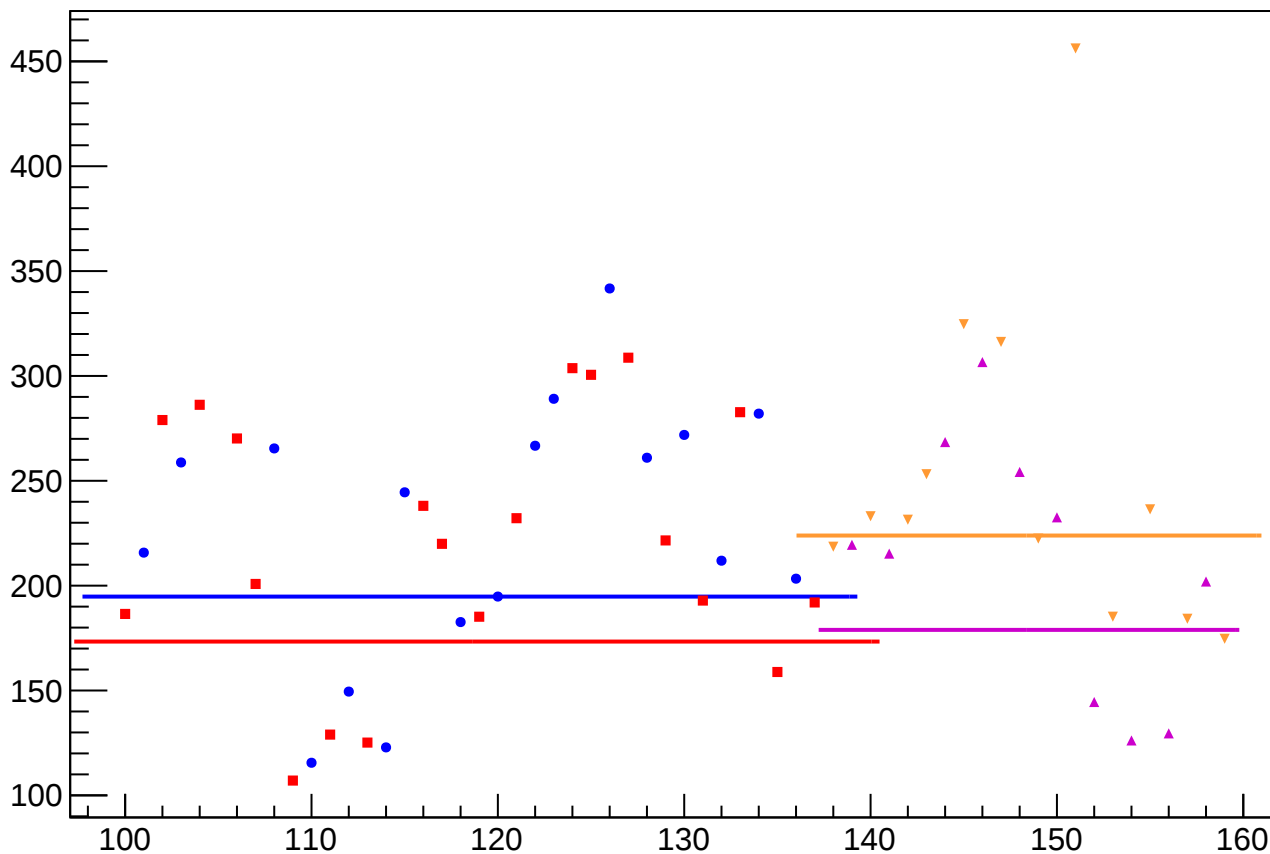
Right Out: -0.459+/-70.312 χ^2/NDF : 7.3/19

Left In: -76.453+/-67.844 χ^2/NDF : 4.8/9

59.497+/-55.928 χ^2/NDF : 11.4/28

-39.813+/-48.822 χ^2/NDF : 12.7/29

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 223.897 $\pm$ 0.055 χ^2 /NDF:949829.0/11

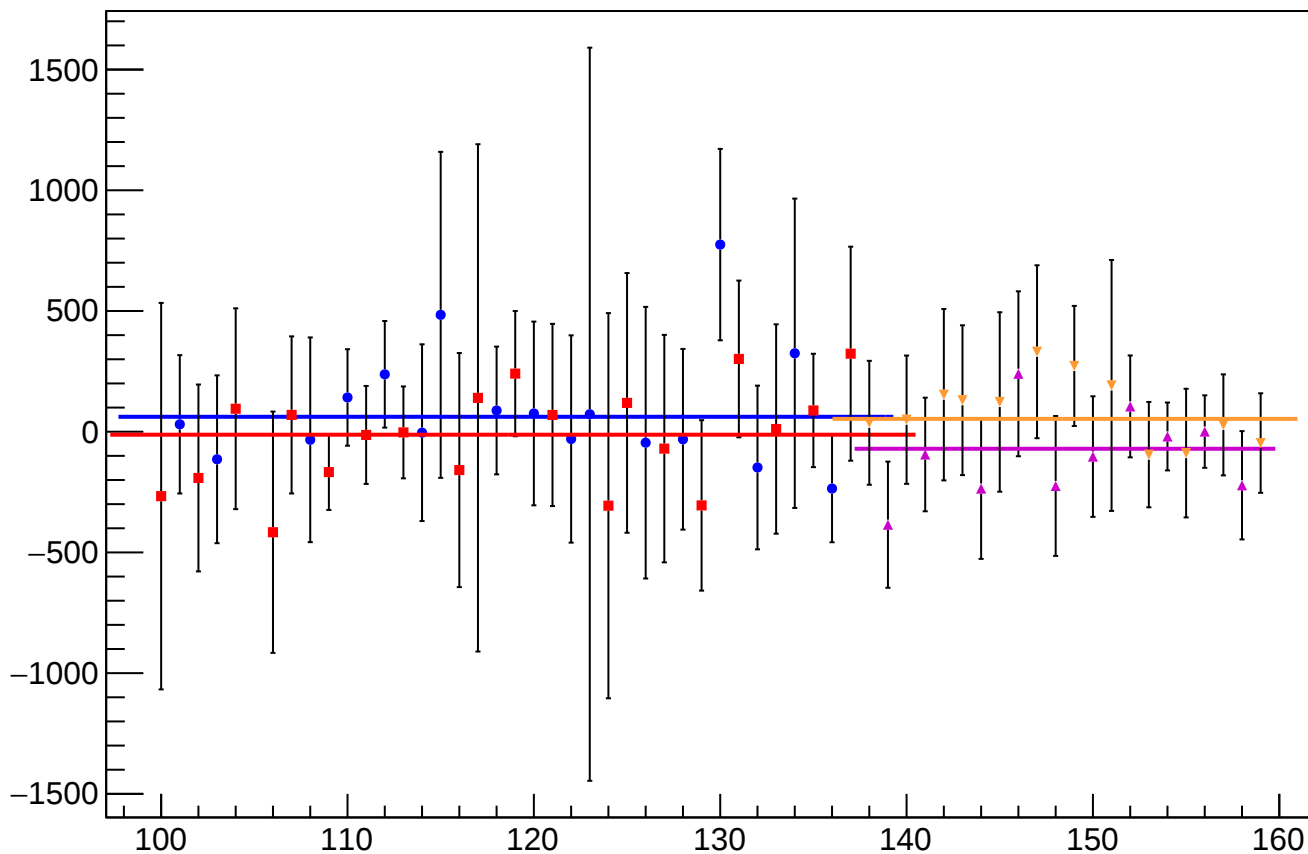
Right Out: 173.337 $\pm$ 0.050 χ^2 /NDF: 1571436.7/19

Left In: 178.908 $\pm$ 0.048 χ^2 /NDF:1357601.7/9

209.665 $\pm$ 0.040 χ^2 /NDF: 2093555.9/28

176.222 $\pm$ 0.035 χ^2 /NDF: 2935540.2/29

asym_bcm_an_us_mean vs Slug



Right In: 61.814 ± 79.986 χ^2/NDF : 7.3/16

Left Out: 53.185 ± 78.075 χ^2/NDF : 2.6/11

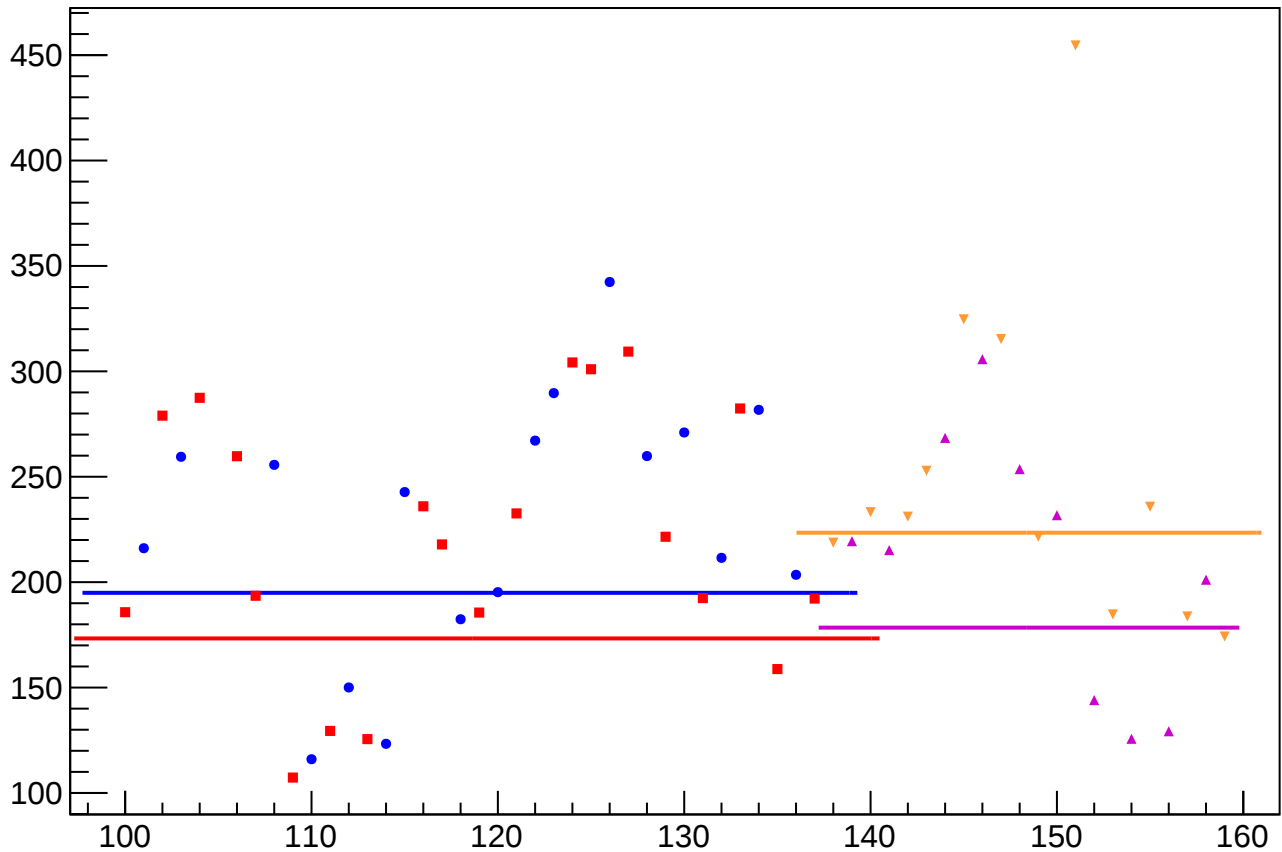
Right Out: -12.417 ± 70.233 χ^2/NDF : 5.8/19

Left In: -70.636 ± 67.671 χ^2/NDF : 4.4/9

57.395 ± 55.871 χ^2/NDF : 9.9/28

-42.608 ± 48.731 χ^2/NDF : 10.5/29

asym_bcm_an_us_rms vs Slug



Right In: 194.939+/-0.057 χ^2/NDF : 986629.1/16

Left Out: 223.453+/-0.055 χ^2/NDF : 951386.5/11

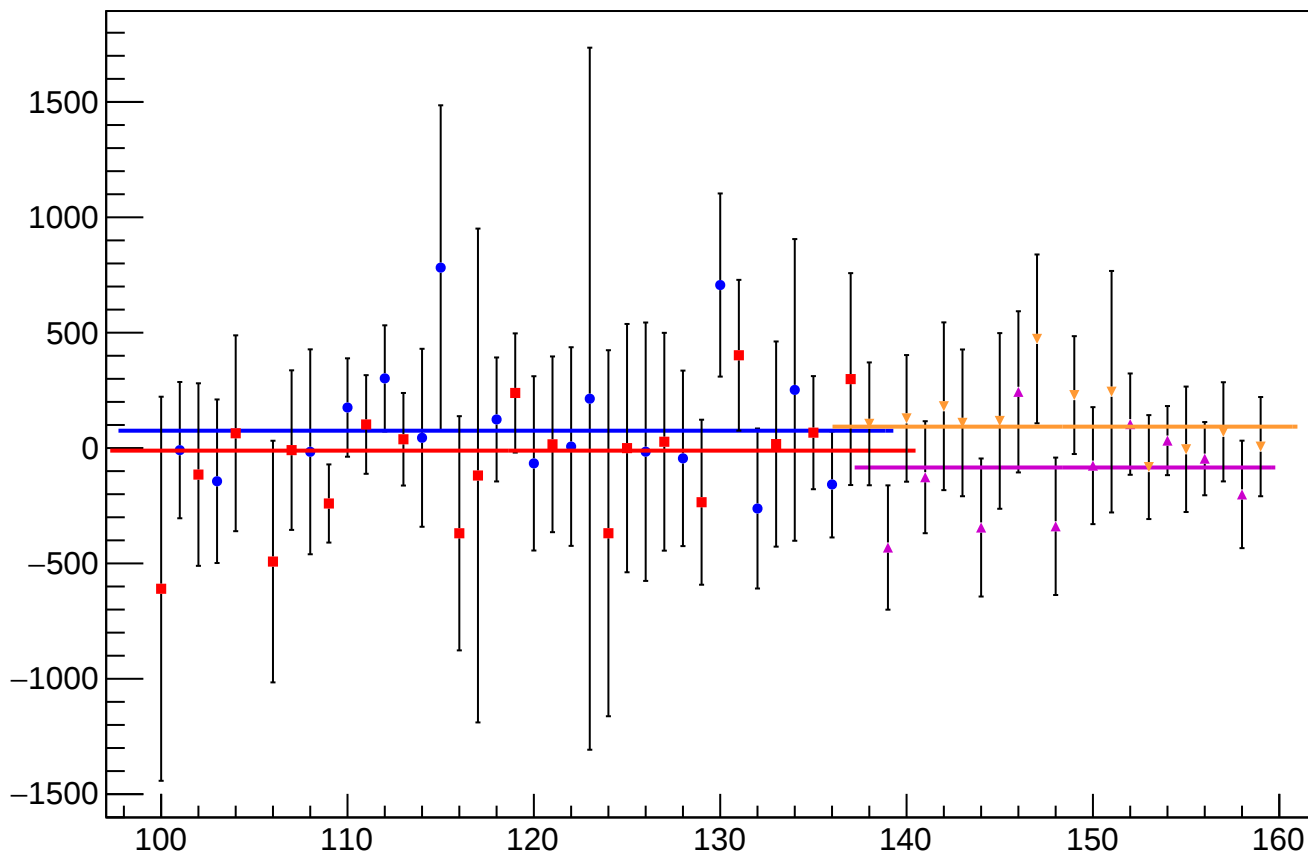
209.541+/-0.040 χ^2/NDF : 2068175.1/28

Right Out: 173.309+/-0.050 χ^2/NDF : 1548342.3/19

175.961+/-0.034 χ^2/NDF : 2916473.1/29

Left In: 178.423+/-0.048 χ^2/NDF : 1362632.1/9

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 ± 82.504 χ^2/NDF : 7.6/16

Left Out: 92.756 ± 80.391 χ^2/NDF : 2.4/11

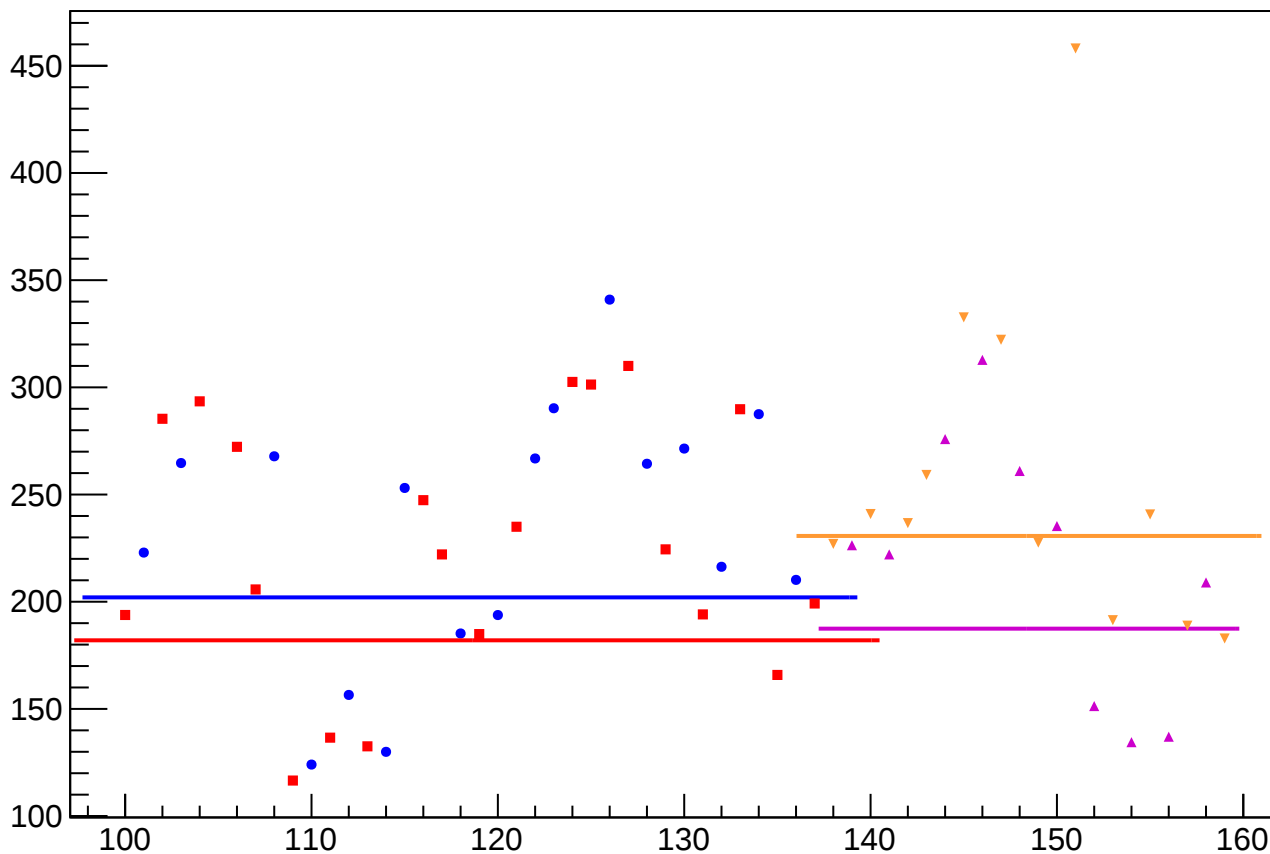
Right Out: -11.180 ± 73.166 χ^2/NDF : 7.8/19

Left In: -84.234 ± 70.632 χ^2/NDF : 5.7/9

84.209 ± 57.578 χ^2/NDF : 10.1/28

-48.994 ± 50.816 χ^2/NDF : 14.1/29

asym_bcm_dg_us_rms vs Slug



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 230.685 $\pm$ 0.057 χ^2 /NDF: 904664.6/11

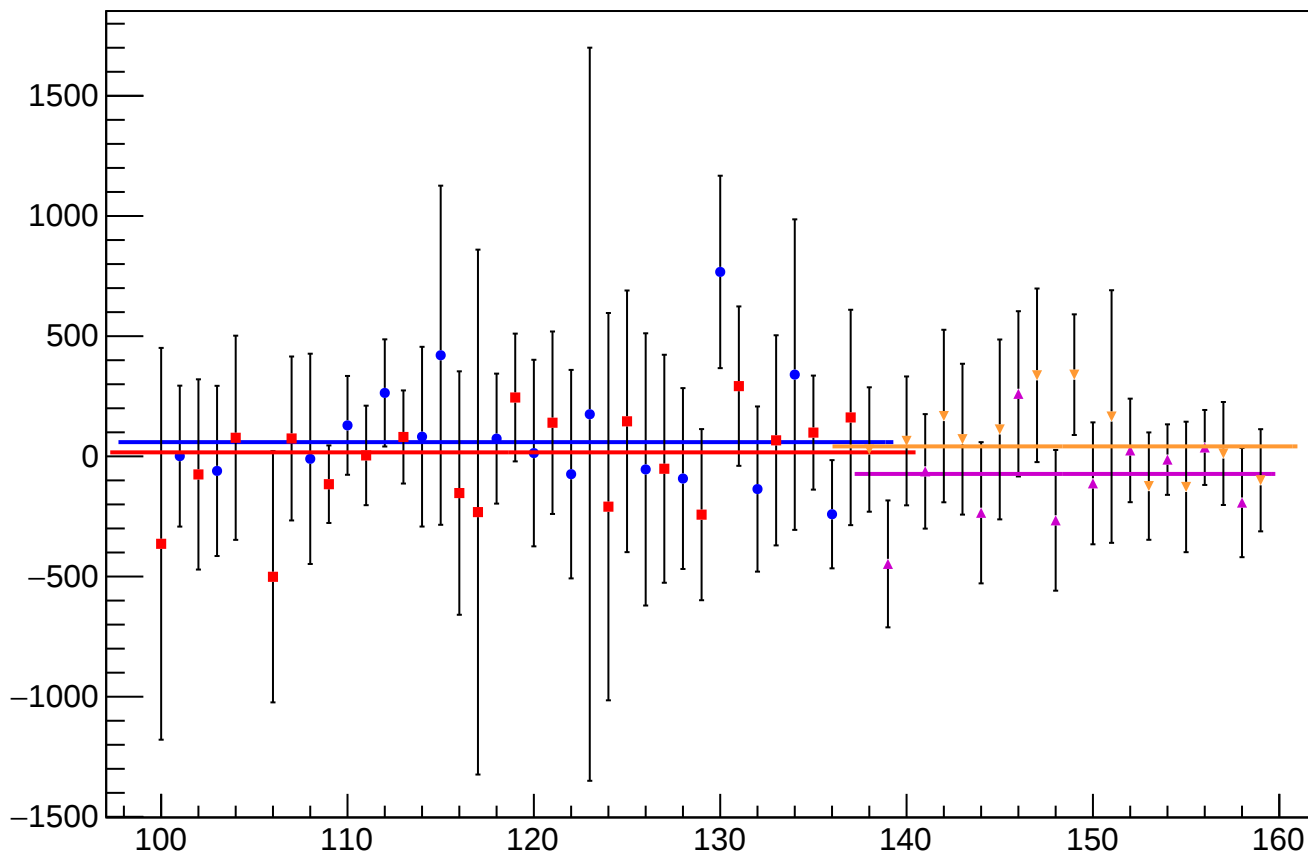
Right Out: 182.000 $\pm$ 0.052 χ^2 /NDF: 1380354.3/19

Left In: 187.439 $\pm$ 0.050 χ^2 /NDF: 1231367.2/9

216.729 $\pm$ 0.041 χ^2 /NDF: 1910035.3/28

184.815 $\pm$ 0.036 χ^2 /NDF: 2617442.9/29

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175 ± 81.417 χ^2/NDF : 7.1/16

Left Out: 41.484 ± 79.403 χ^2/NDF : 3.7/11

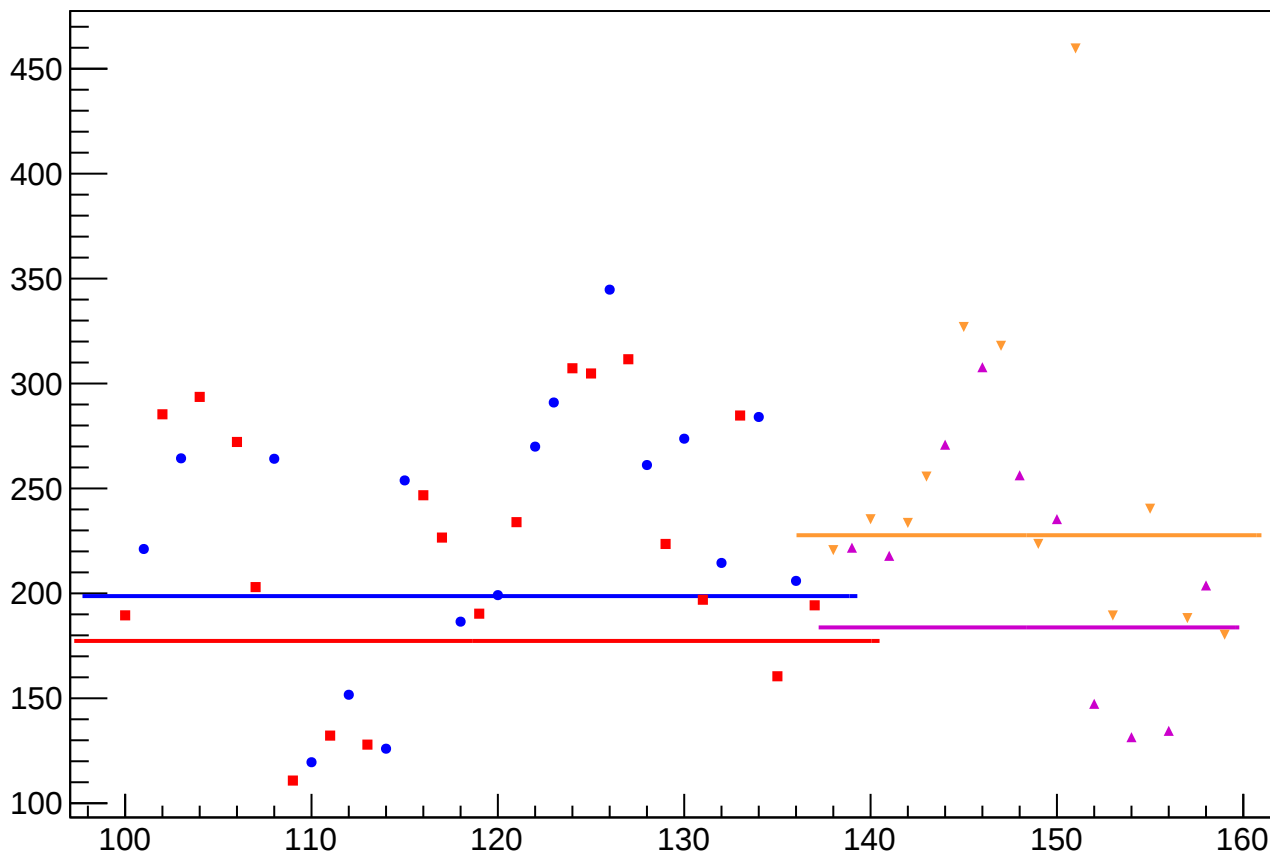
Right Out: 16.650 ± 71.745 χ^2/NDF : 4.7/19

Left In: -73.097 ± 69.380 χ^2/NDF : 4.9/9

50.108 ± 56.845 χ^2/NDF : 10.9/28

-29.727 ± 49.874 χ^2/NDF : 10.4/29

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 227.708 $\pm$ 0.056 χ^2 /NDF: 905623.3/11

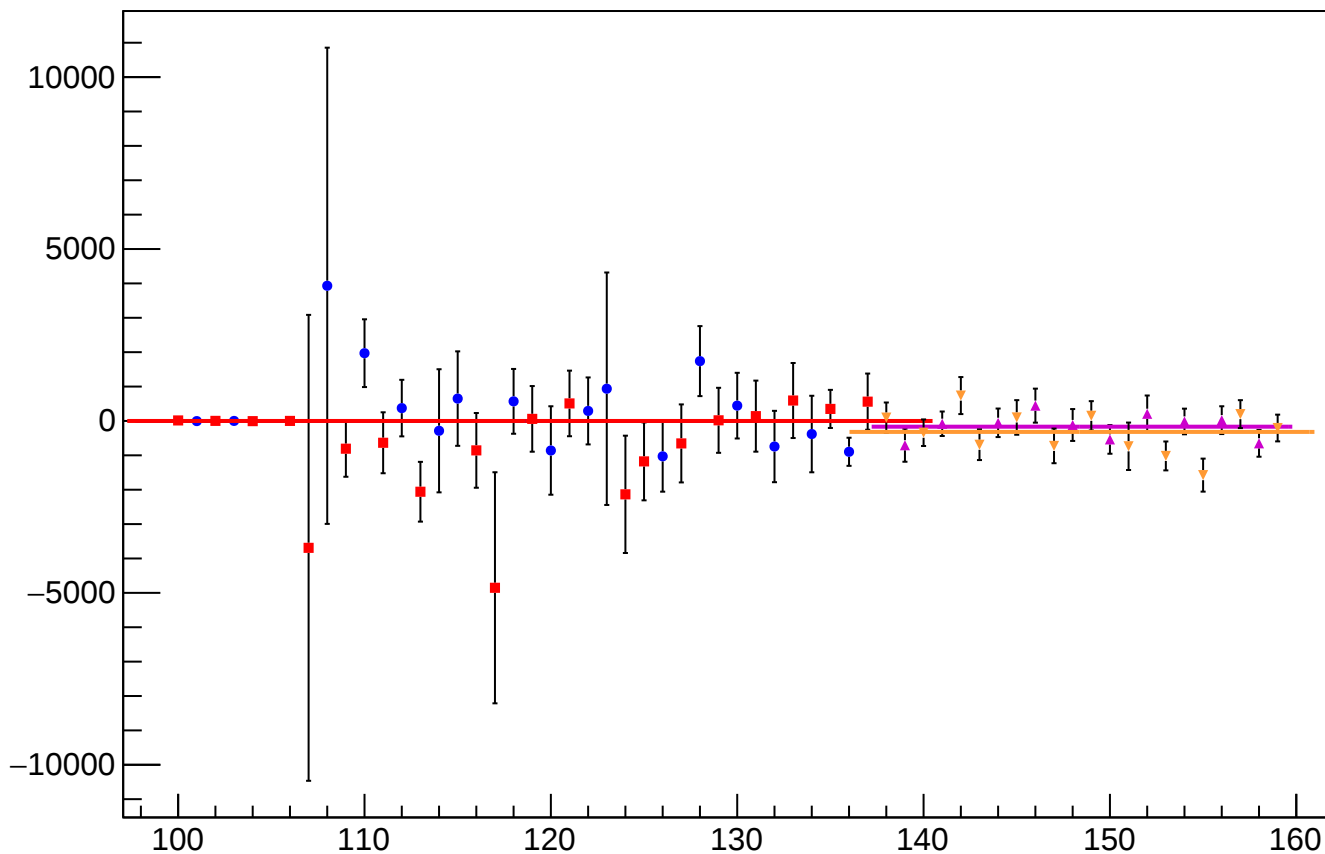
Right Out: 177.338 $\pm$ 0.051 χ^2 /NDF: 1528976.8/19

Left In: 183.781 $\pm$ 0.049 χ^2 /NDF: 1250303.1/9

213.569 $\pm$ 0.040 χ^2 /NDF: 1999108.5/28

180.667 $\pm$ 0.035 χ^2 /NDF: 2787612.7/29

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -318.849 ± 130.679 χ^2/NDF : 19.7/11

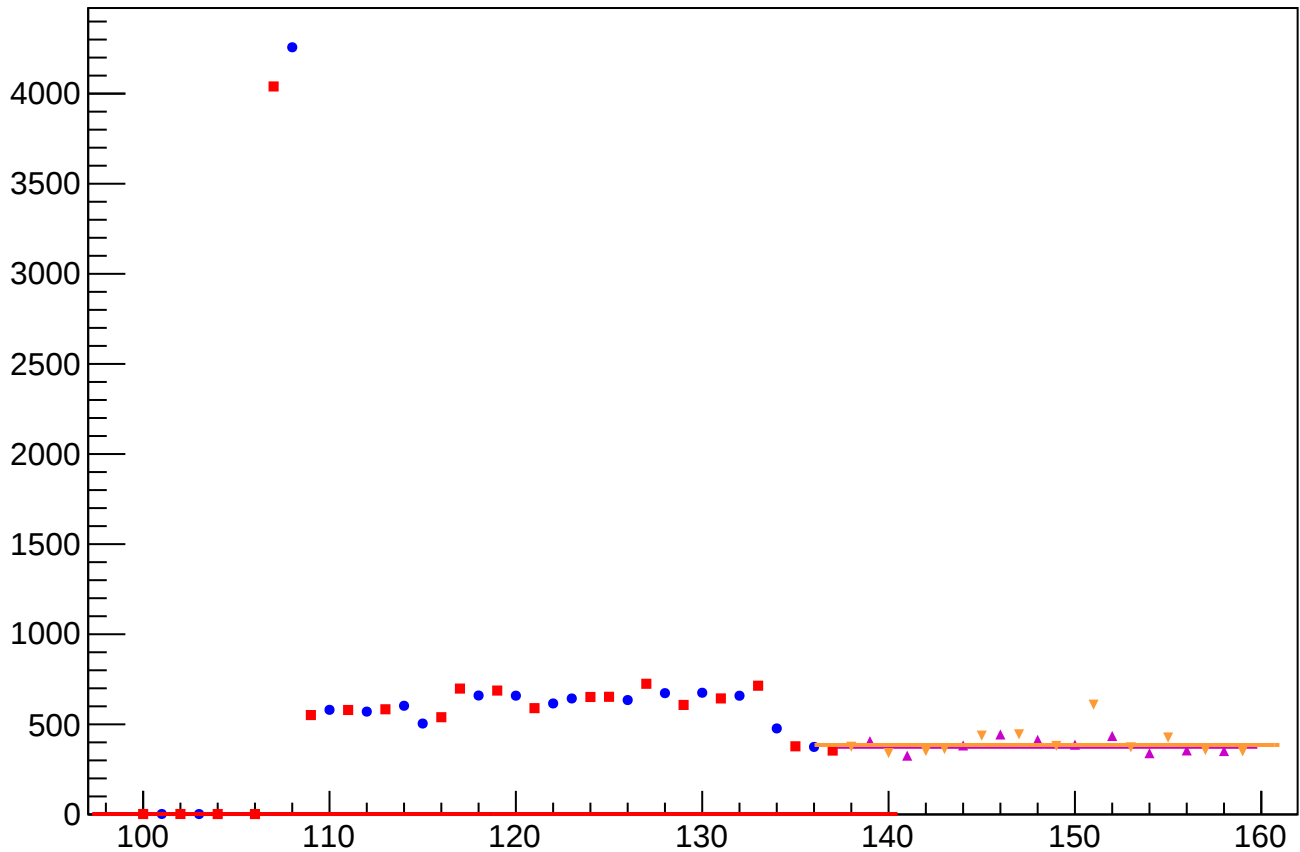
Right Out: -0.733 ± 2.111 χ^2/NDF : 20.5/19

Left In: -167.059 ± 133.696 χ^2/NDF : 6.1/9

-1.623 ± 2.251 χ^2/NDF : 42.3/28

-0.775 ± 2.111 χ^2/NDF : 28.2/29

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 385.516+/-0.092 χ^2/NDF :343325.8/11

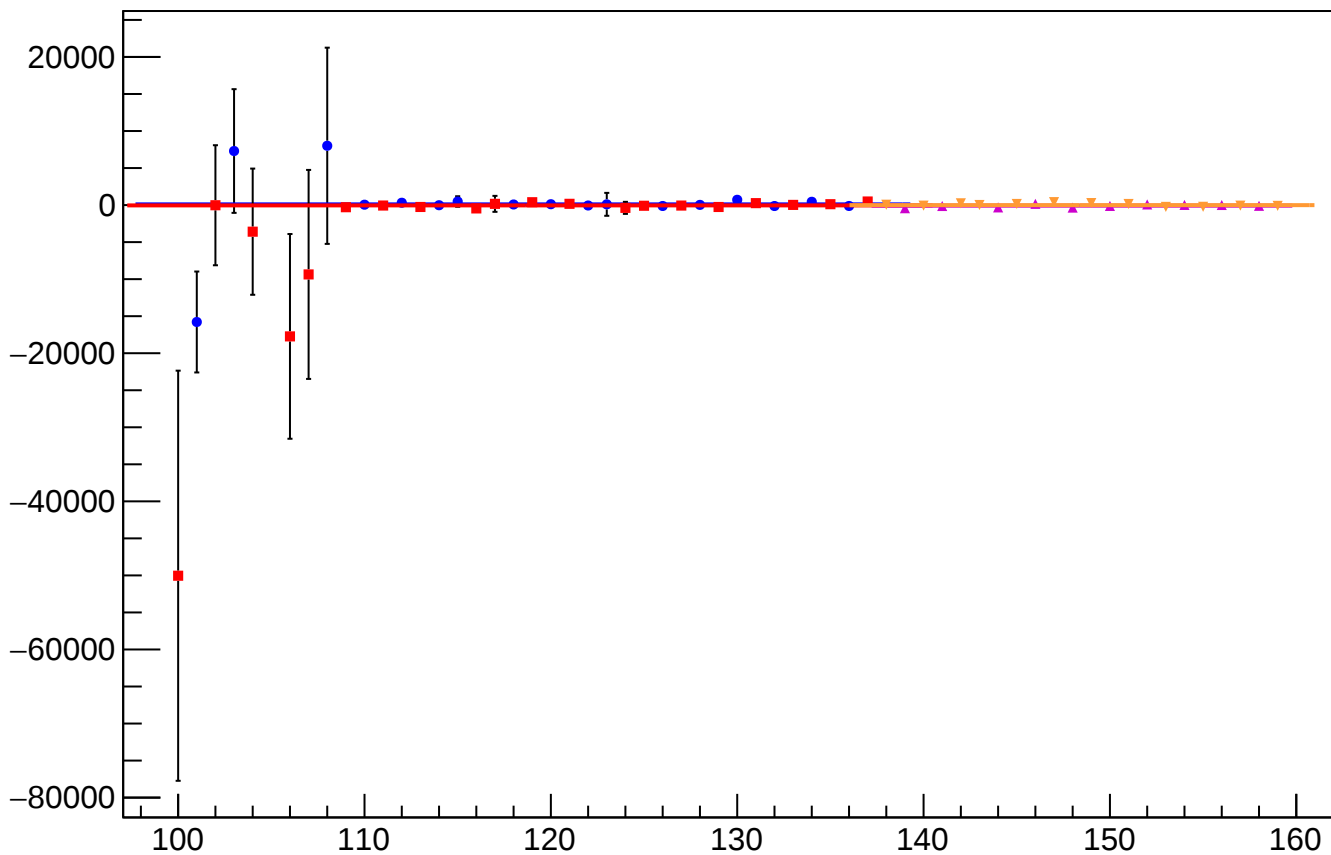
Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

Left In: 375.455+/-0.095 χ^2/NDF :157092.4/9

2.570+/-0.002 χ^2/NDF : 28229688.5/28

2.530+/-0.001 χ^2/NDF : 26947907.1/29

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -7.768+/-85.167 χ^2/NDF : 4.7/11

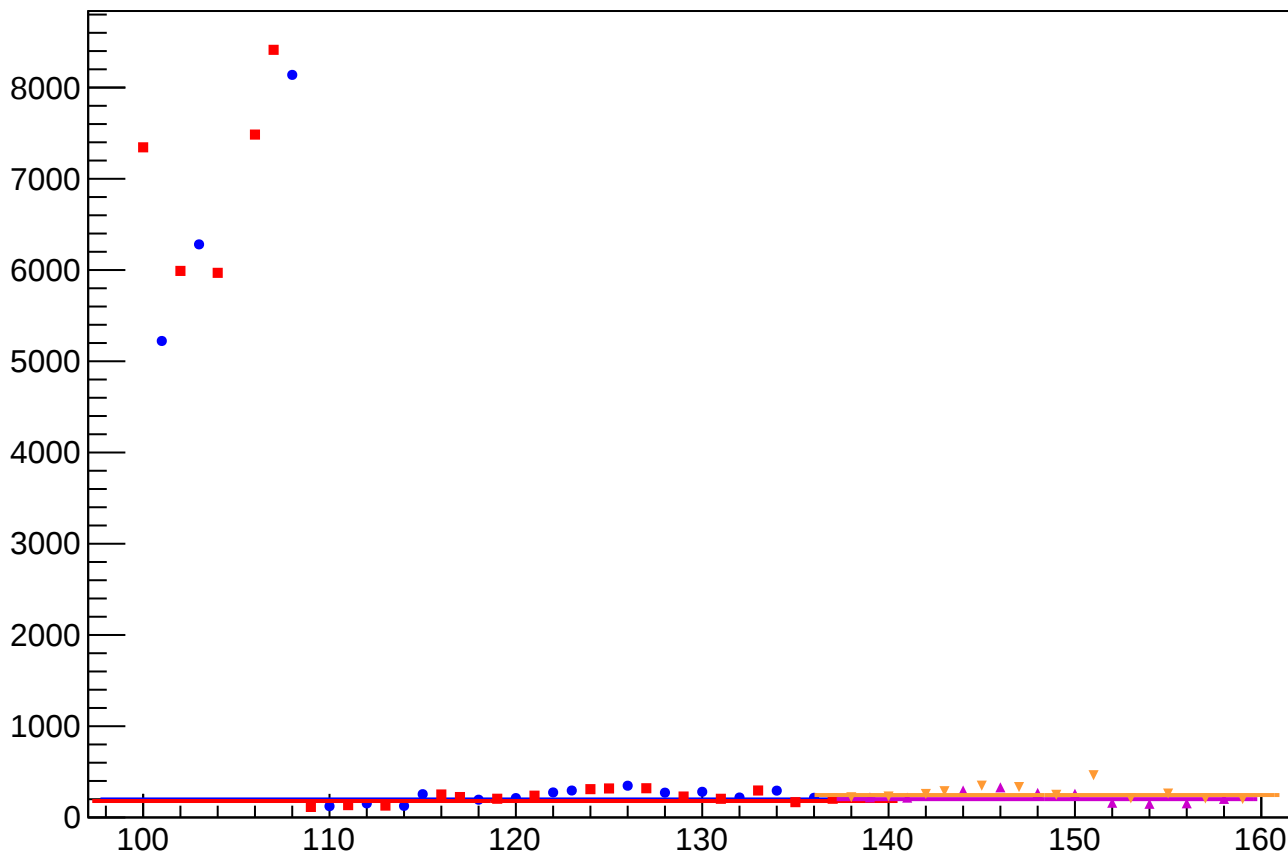
Right Out: -41.335+/-84.288 χ^2/NDF : 14.0/19

Left In: -78.508+/-74.942 χ^2/NDF : 4.6/9

39.984+/-62.406 χ^2/NDF : 17.3/28

-62.096+/-56.006 χ^2/NDF : 18.8/29

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 245.618+/-0.060 χ^2/NDF :807442.6/11

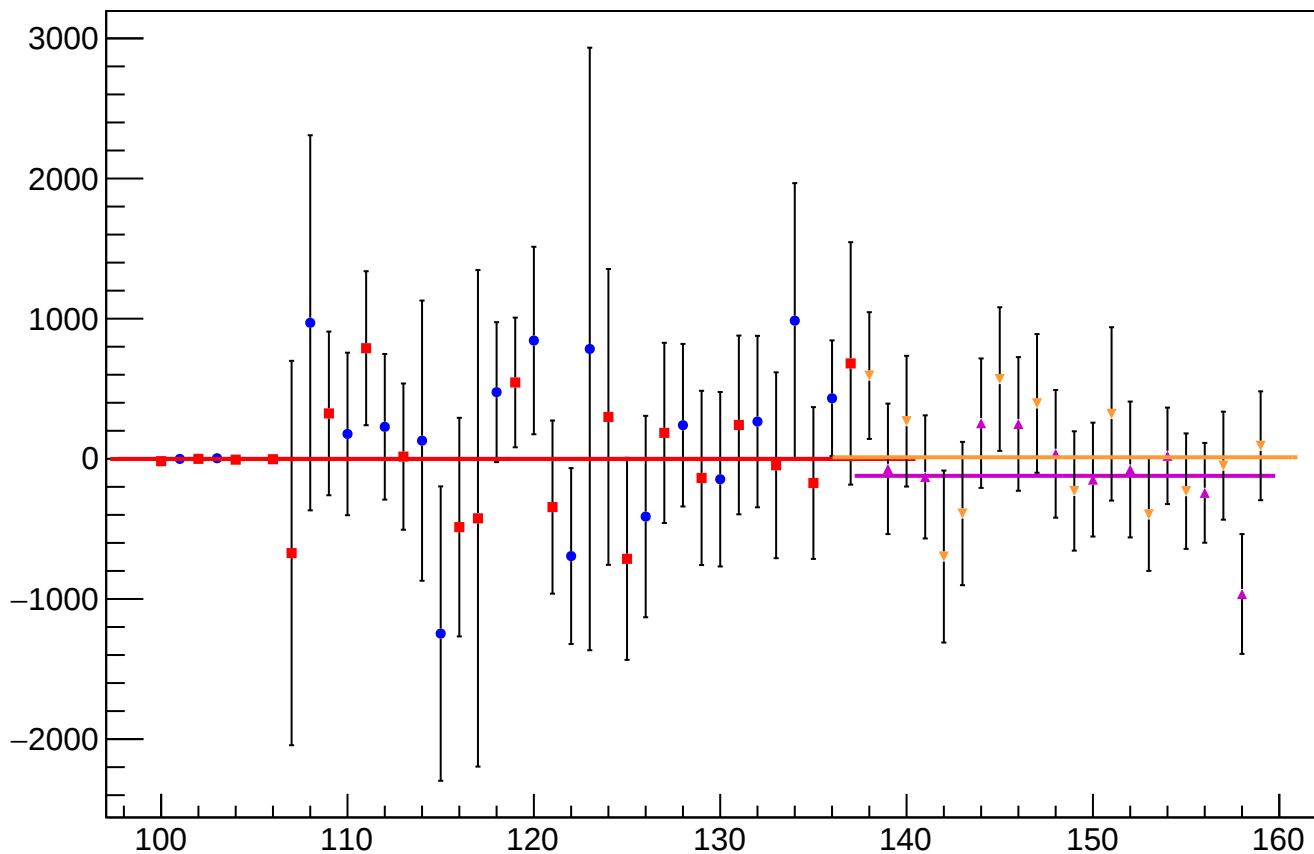
Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

Left In: 200.693+/-0.053 χ^2/NDF :1007506.8/9

223.300+/-0.044 χ^2/NDF : 4799879.3/28

191.667+/-0.040 χ^2/NDF : 5397893.4/29

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 11.049 ± 131.977 χ^2/NDF : 7.7/11

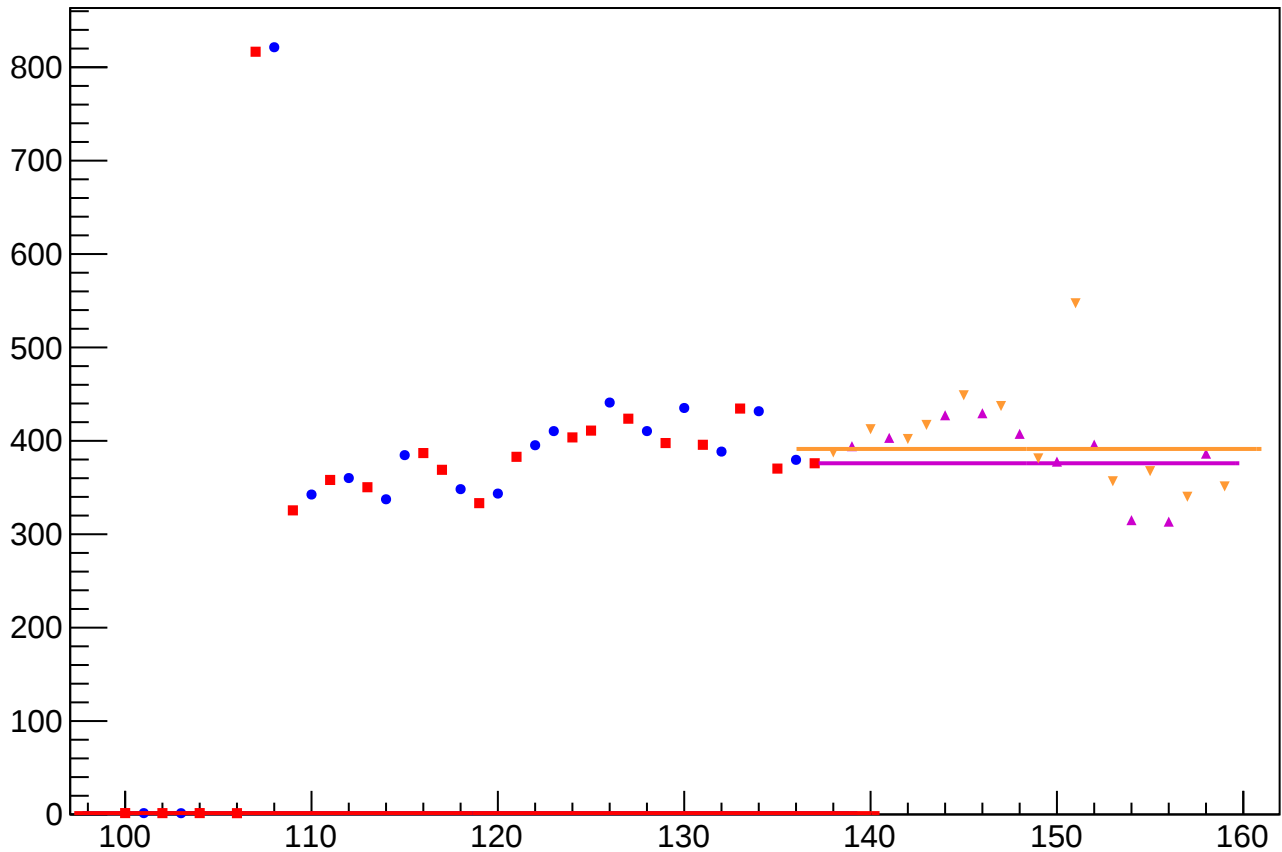
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.6/19

Left In: -121.429 ± 133.851 χ^2/NDF : 5.6/9

-0.137 ± 1.736 χ^2/NDF : 17.5/28

-1.342 ± 1.622 χ^2/NDF : 16.0/29

asym_cav4dQ_rms vs Slug



Right In: 1.452 ± 0.001 $\chi^2/\text{NDF}: 10815892.9/16$

Left Out: 391.325 ± 0.093 $\chi^2/\text{NDF}: 258642.8/11$

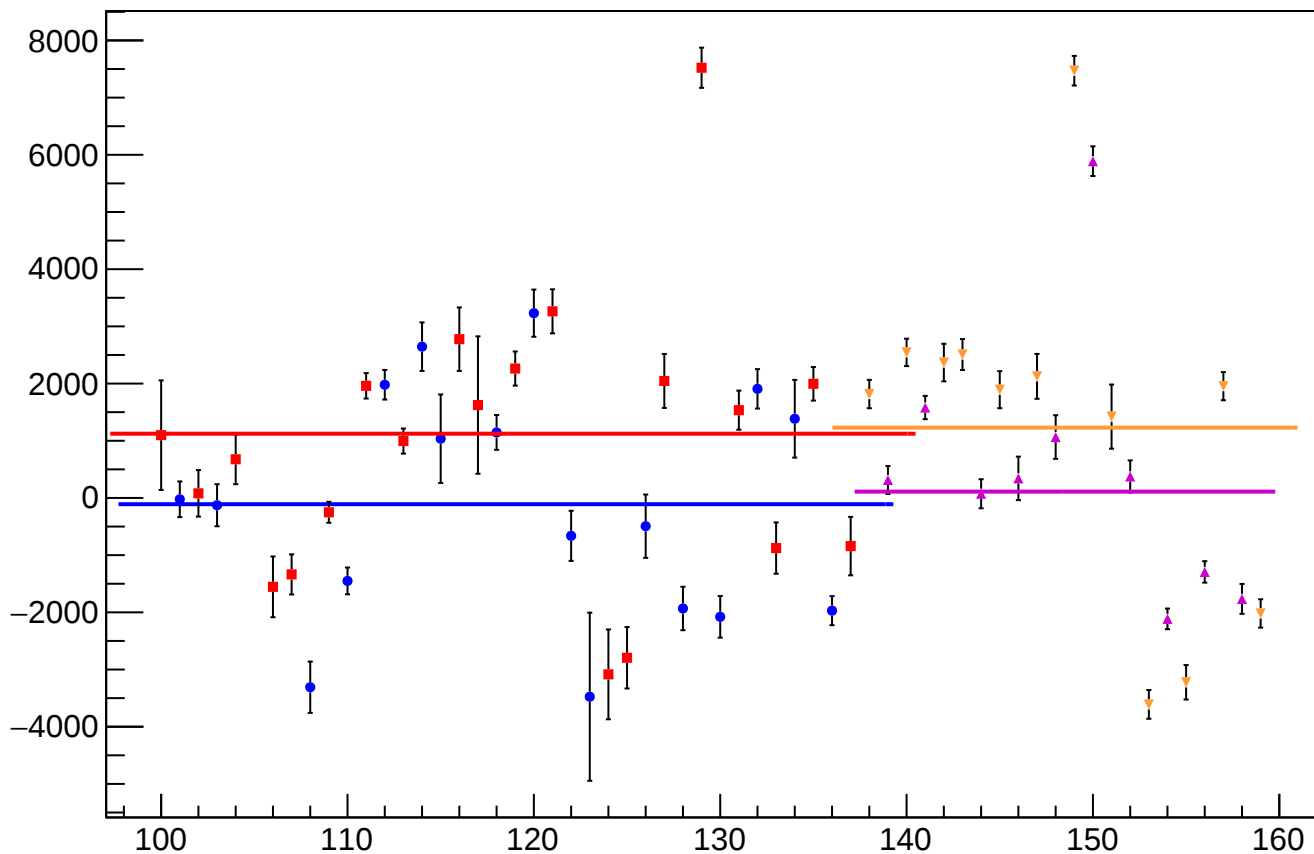
Right Out: 1.451 ± 0.001 $\chi^2/\text{NDF}: 10959647.1/19$

Left In: 375.995 ± 0.095 $\chi^2/\text{NDF}: 199105.8/9$

1.520 ± 0.001 $\chi^2/\text{NDF}: 28524966.6/28$

1.506 ± 0.001 $\chi^2/\text{NDF}: 26816401.0/29$

asym_bcm0l02_mean vs Slug



Right In: -109.225+/-87.961 χ^2/NDF : 428.3/16

Left Out: 1229.693+/-81.548 χ^2/NDF : 1430.7/11

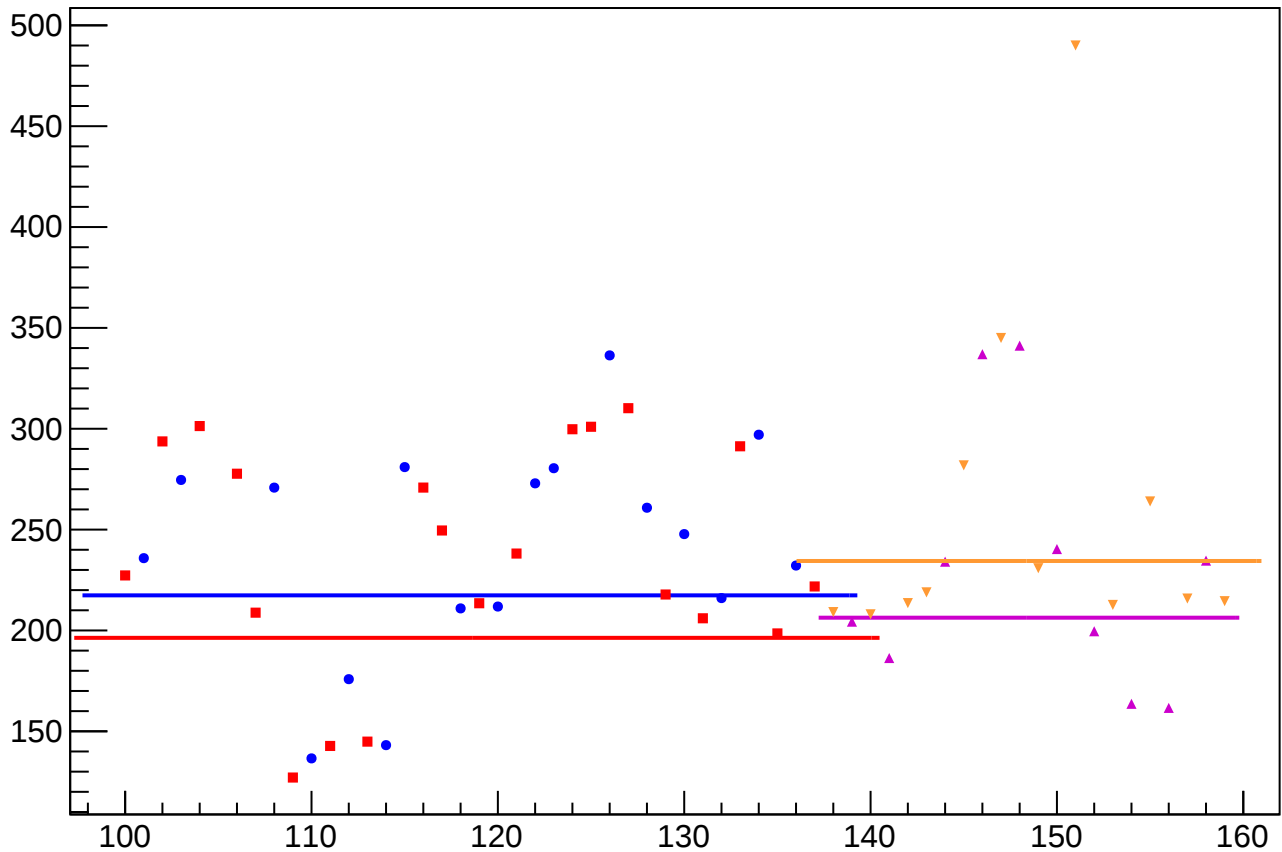
Right Out: 1123.337+/-78.230 χ^2/NDF : 670.2/19

Left In: 110.859+/-76.353 χ^2/NDF : 815.6/9

610.821+/-59.802 χ^2/NDF : 1983.6/28

604.808+/-54.641 χ^2/NDF : 1571.6/29

asym_bcm0l02_rms vs Slug



Right In: 217.403 ± 0.062 χ^2/NDF : 652632.9/16

Left Out: 234.445 ± 0.058 χ^2/NDF : 735628.7/11

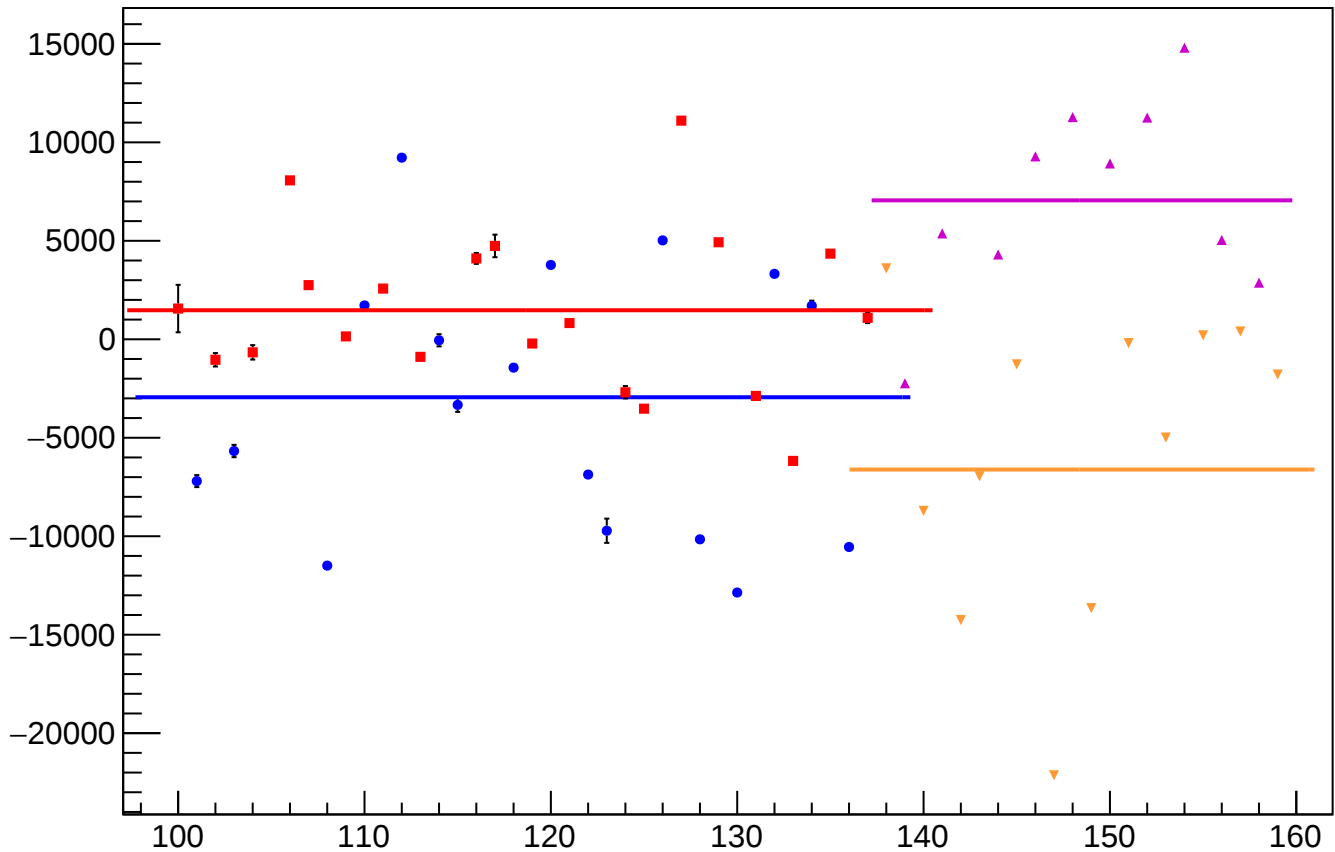
Right Out: 196.339 ± 0.055 χ^2/NDF : 1194805.7/19

Left In: 206.329 ± 0.054 χ^2/NDF : 813957.0/9

226.568 ± 0.042 χ^2/NDF : 1428636.1/28

201.455 ± 0.039 χ^2/NDF : 2025466.9/29

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123 ± 48.612 χ^2/NDF : 20909.8/16

Left Out: -6613.344 ± 42.576 χ^2/NDF : 32436.3/11

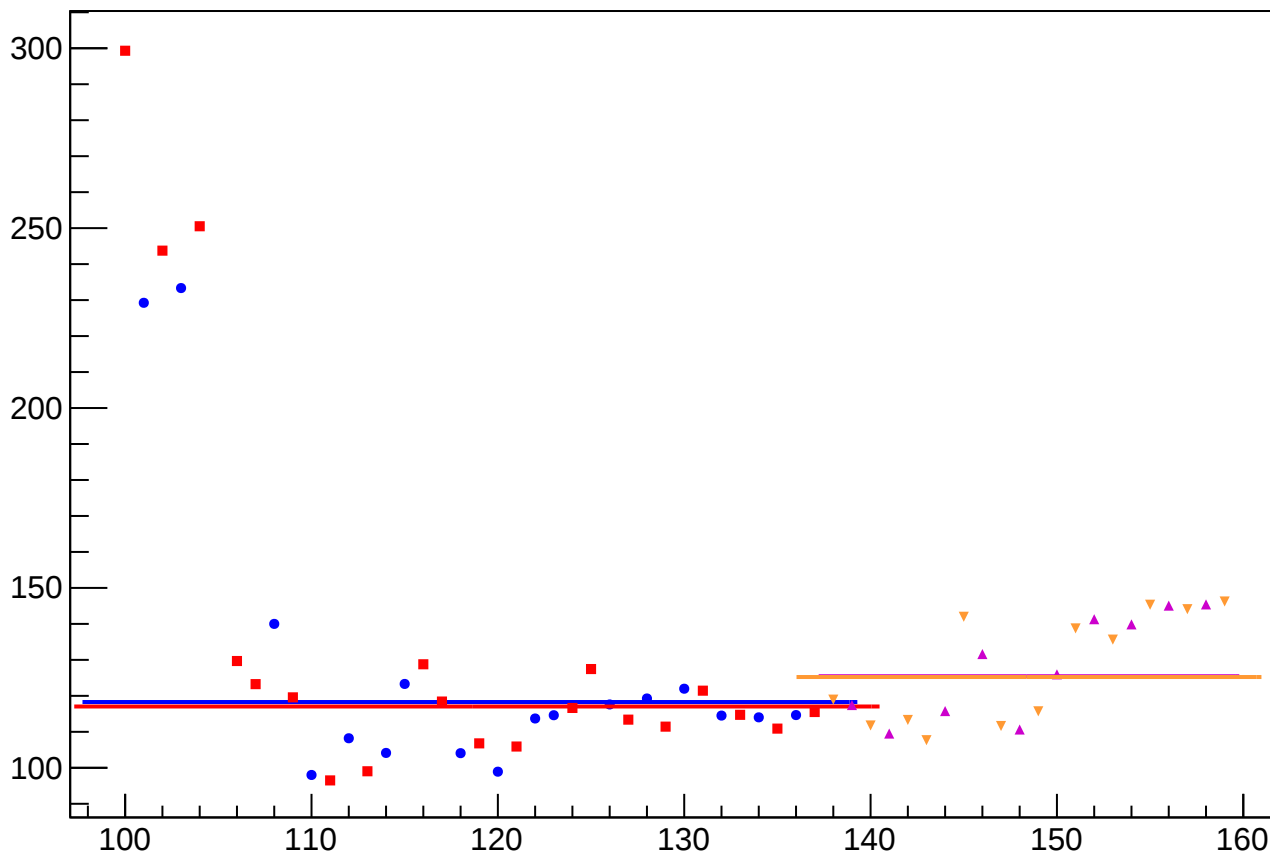
Right Out: 1474.497 ± 46.252 χ^2/NDF : 8028.6/19

Left In: 7054.404 ± 44.613 χ^2/NDF : 10588.1/9

-5020.142 ± 32.028 χ^2/NDF : 56572.0/28

4365.062 ± 32.110 χ^2/NDF : 26156.2/29

asym_bpm2i01WS_rms vs Slug



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 125.232+/-0.030 χ^2/NDF : 237695.1/11

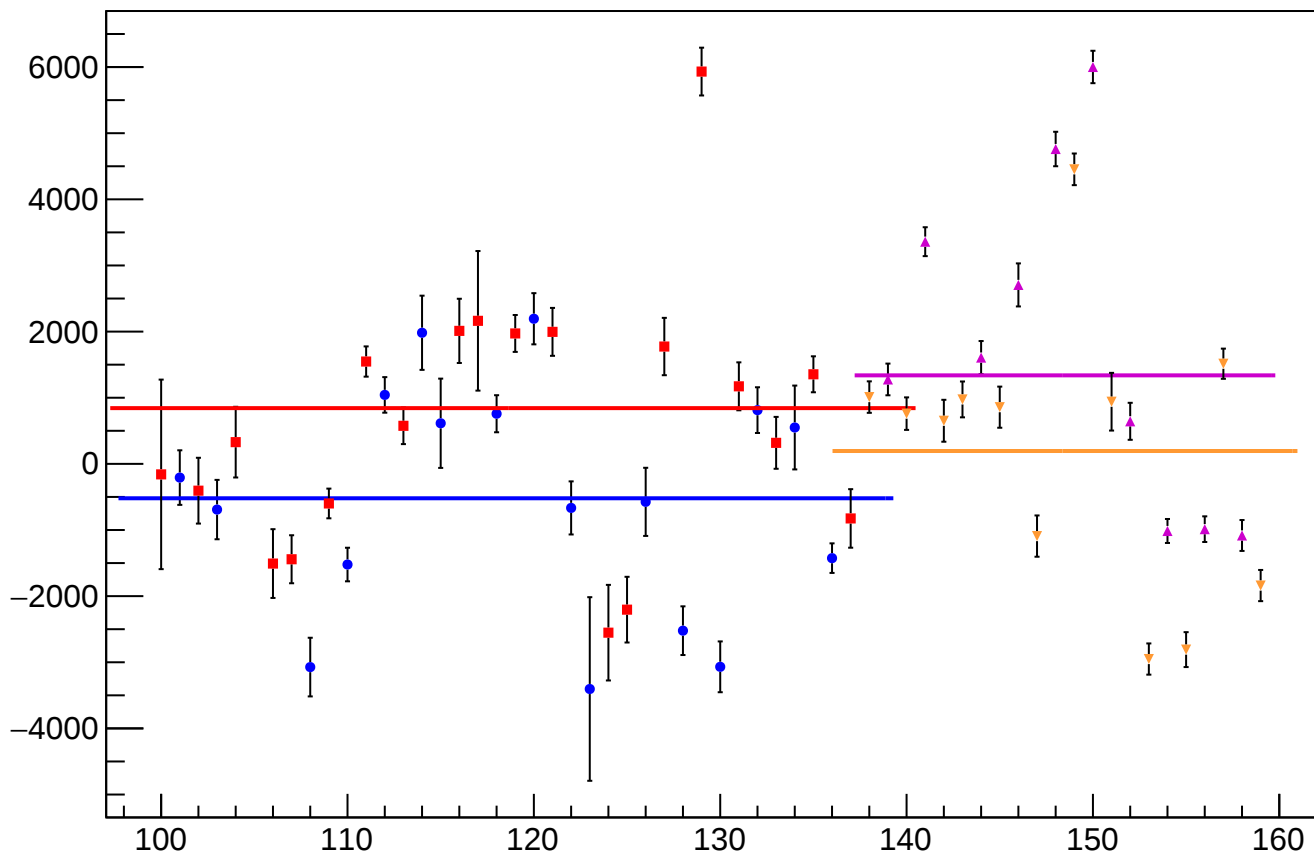
Right Out: 117.040+/-0.033 χ^2/NDF : 690873.1/19

Left In: 125.460+/-0.032 χ^2/NDF : 181330.2/9

122.217+/-0.023 χ^2/NDF : 897725.9/28

121.402+/-0.023 χ^2/NDF : 906531.5/29

asym_bpm0i07WS_mean vs Slug



Right In: -520.267+/-89.241 χ^2/NDF : 288.1/16

Left Out: 194.529+/-76.567 χ^2/NDF : 783.6/11

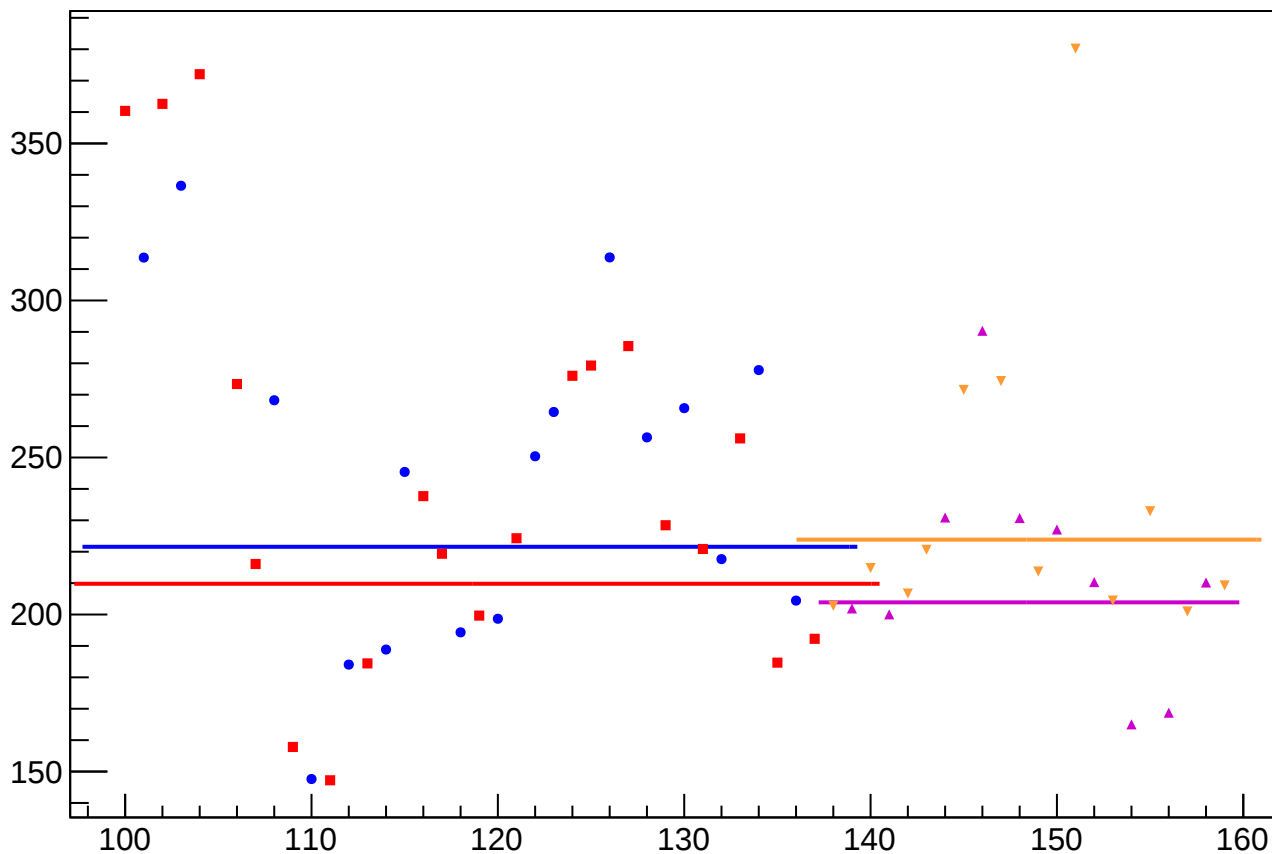
Right Out: 842.858+/-82.024 χ^2/NDF : 436.3/19

Left In: 1338.385+/-73.873 χ^2/NDF : 1065.1/9

-108.549+/-58.110 χ^2/NDF : 1108.7/28

1116.459+/-54.893 χ^2/NDF : 1521.5/29

asym_bpm0i07WS_rms vs Slug



Right In: 221.570+/-0.063 χ^2/NDF : 644941.4/16

Left Out: 223.847+/-0.054 χ^2/NDF : 427886.1/11

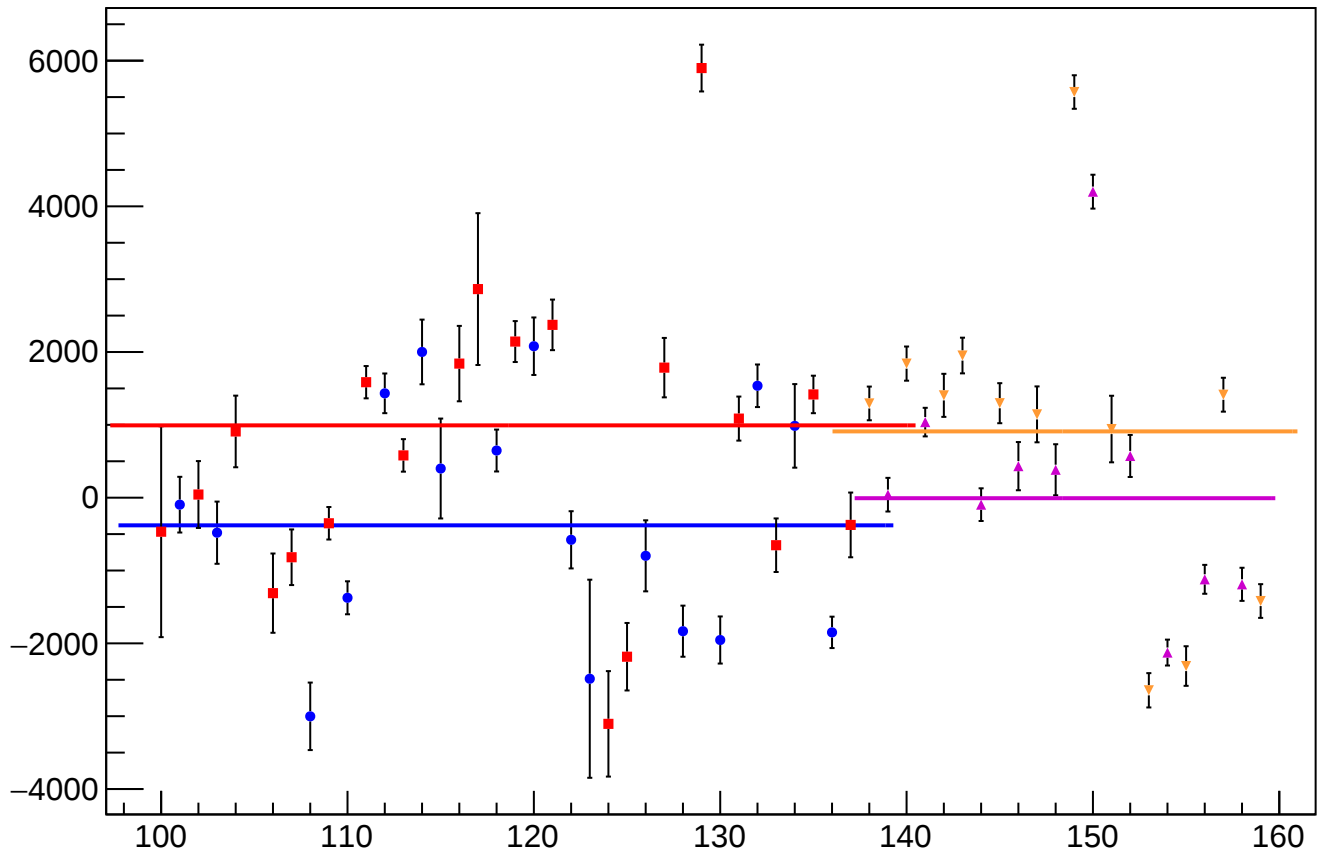
Right Out: 209.794+/-0.058 χ^2/NDF : 884087.4/19

Left In: 203.878+/-0.052 χ^2/NDF : 364402.4/9

222.882+/-0.041 χ^2/NDF : 1073577.8/28

206.527+/-0.039 χ^2/NDF : 1254235.4/29

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 910.165 ± 75.096 χ^2/NDF : 925.0/11

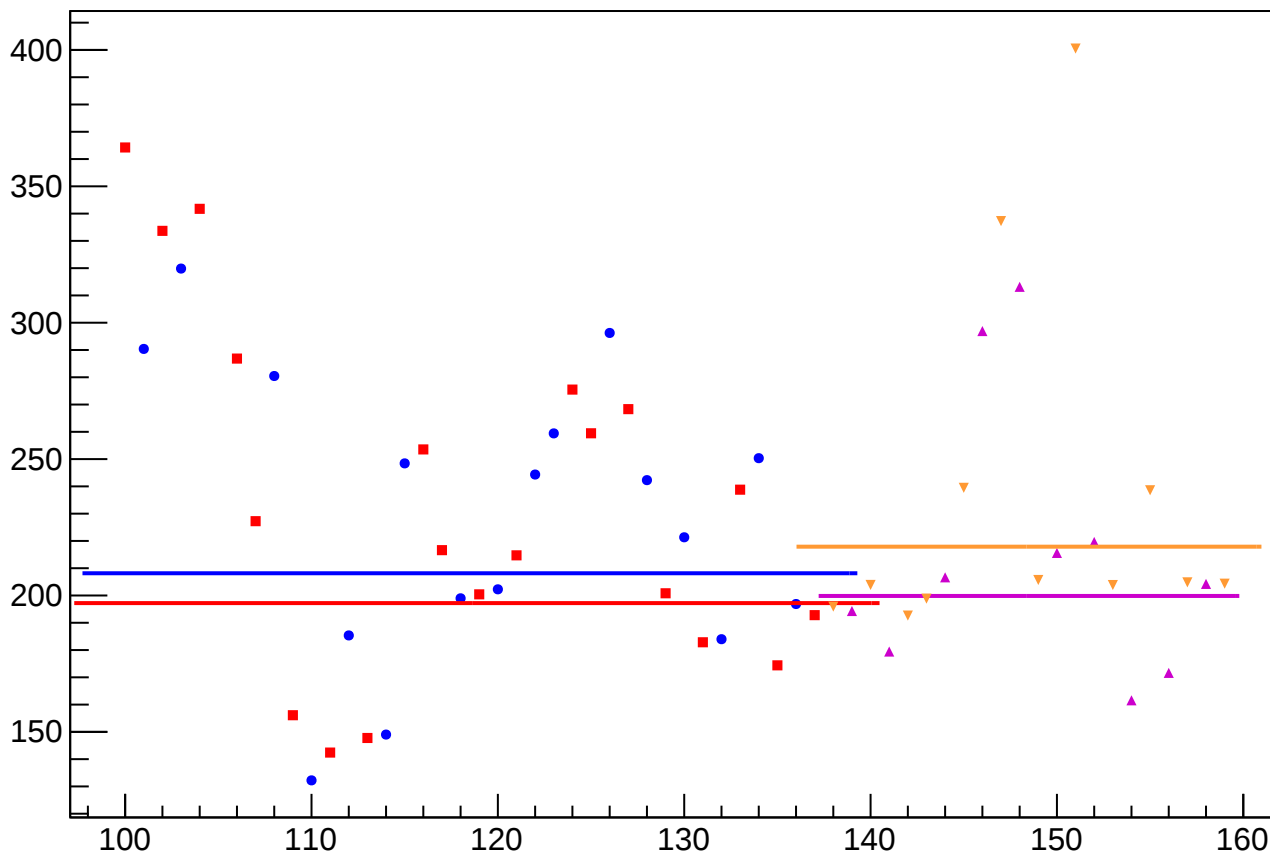
Right Out: 992.944 ± 77.509 χ^2/NDF : 479.5/19

Left In: -7.121 ± 72.798 χ^2/NDF : 563.5/9

339.184 ± 56.062 χ^2/NDF : 1372.7/28

461.597 ± 53.063 χ^2/NDF : 1131.5/29

asym_bpm0l01WS_rms vs Slug



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 217.896+/-0.053 χ^2/NDF : 614527.8/11

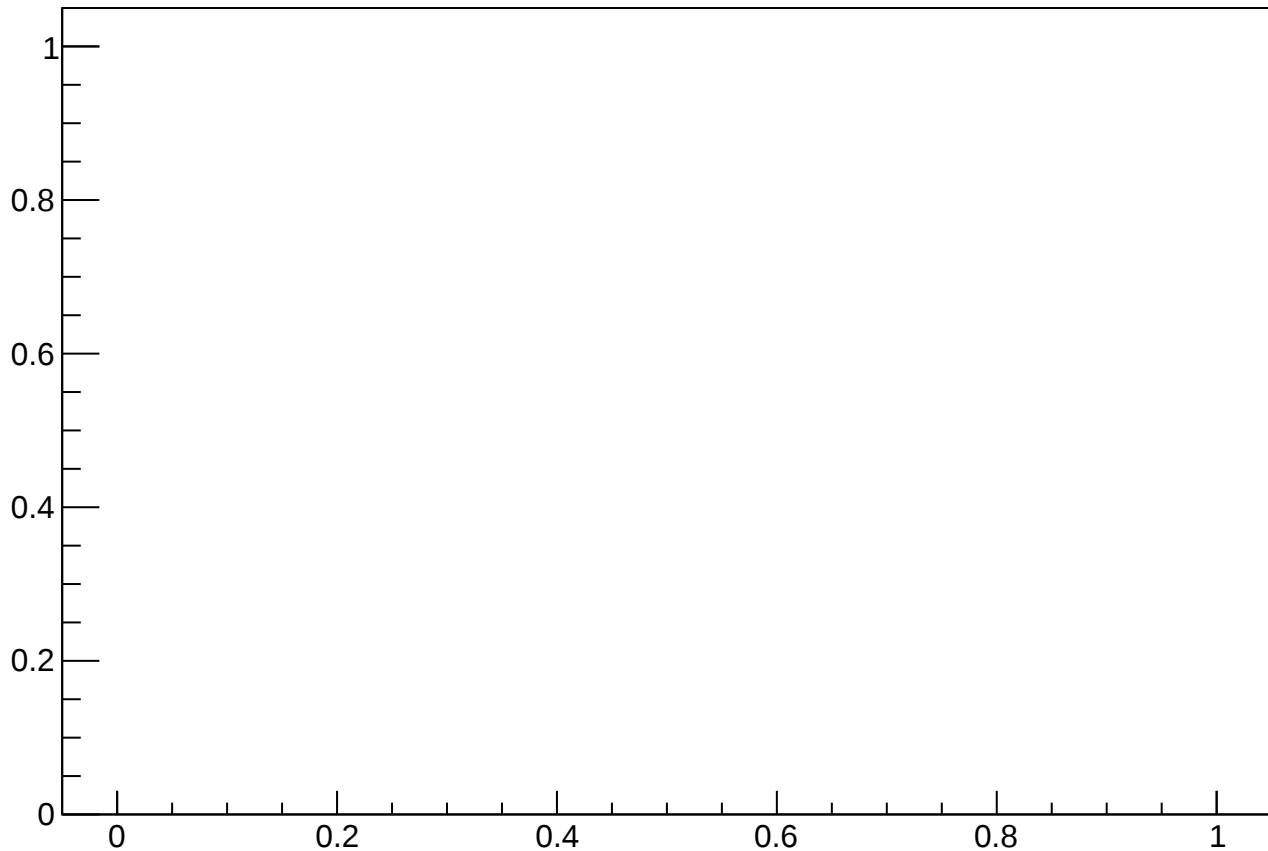
Right Out: 197.210+/-0.055 χ^2/NDF : 927165.0/19

Left In: 199.831+/-0.051 χ^2/NDF : 558175.6/9

213.582+/-0.040 χ^2/NDF : 1328521.8/28

198.603+/-0.038 χ^2/NDF : 1486555.3/29

bcm_an_us_ds_dd_mean vs Slug



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

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

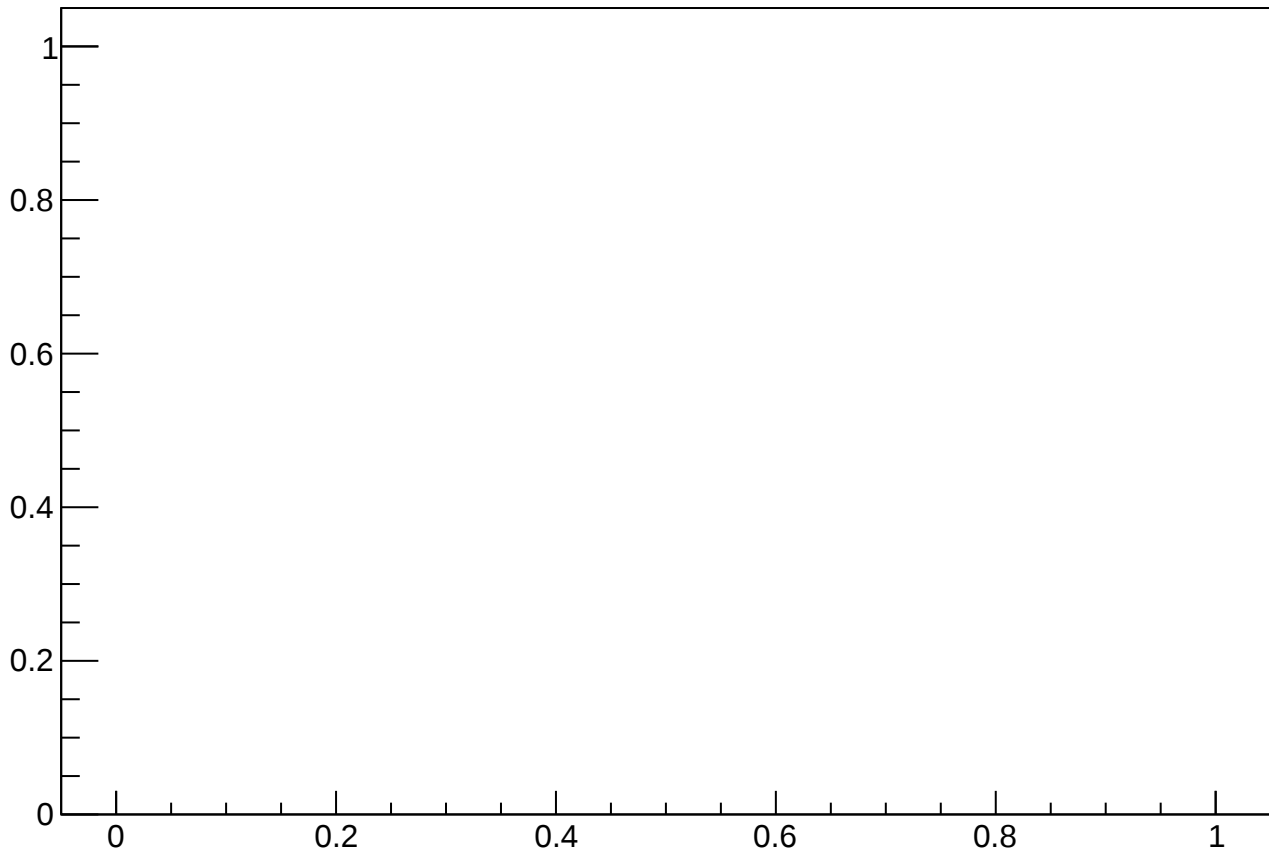
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_dd_rms vs Slug



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

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

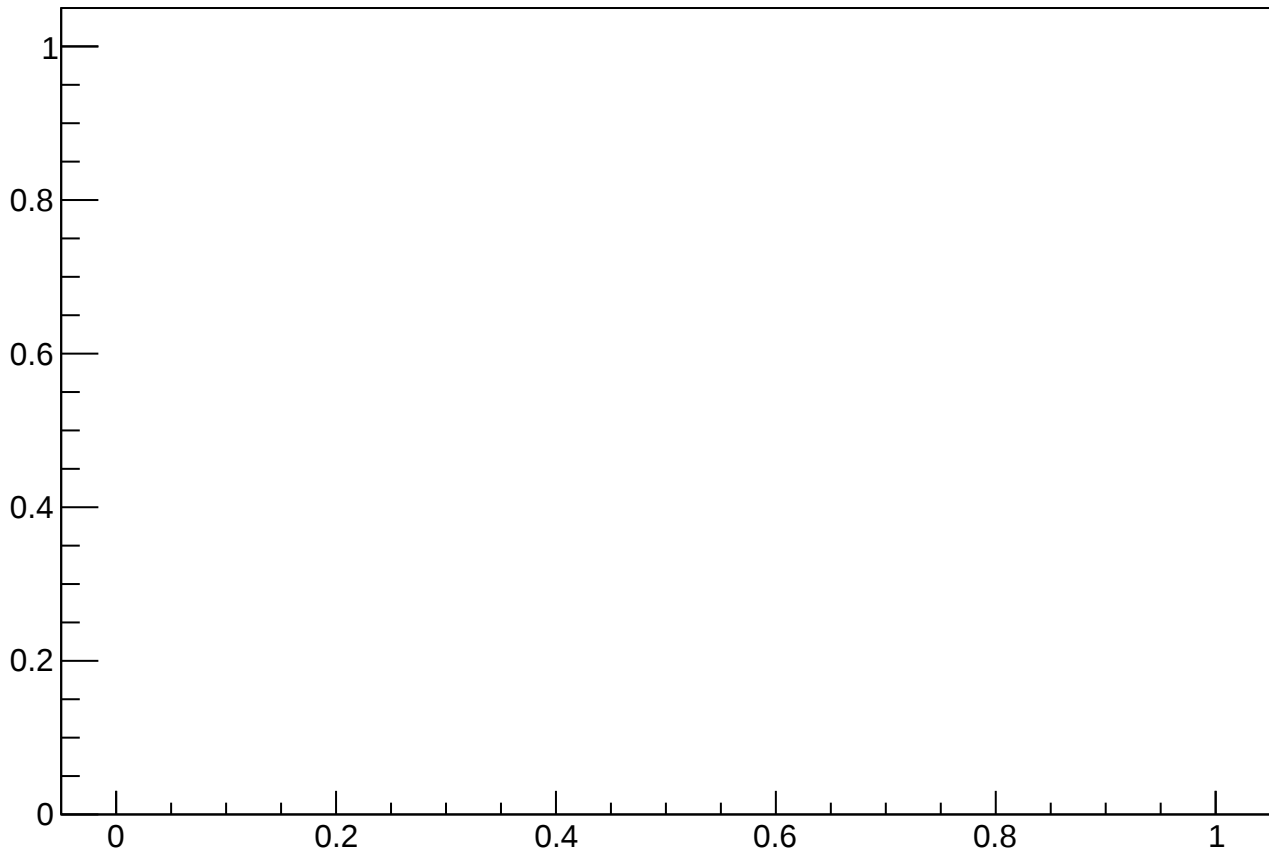
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug



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

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

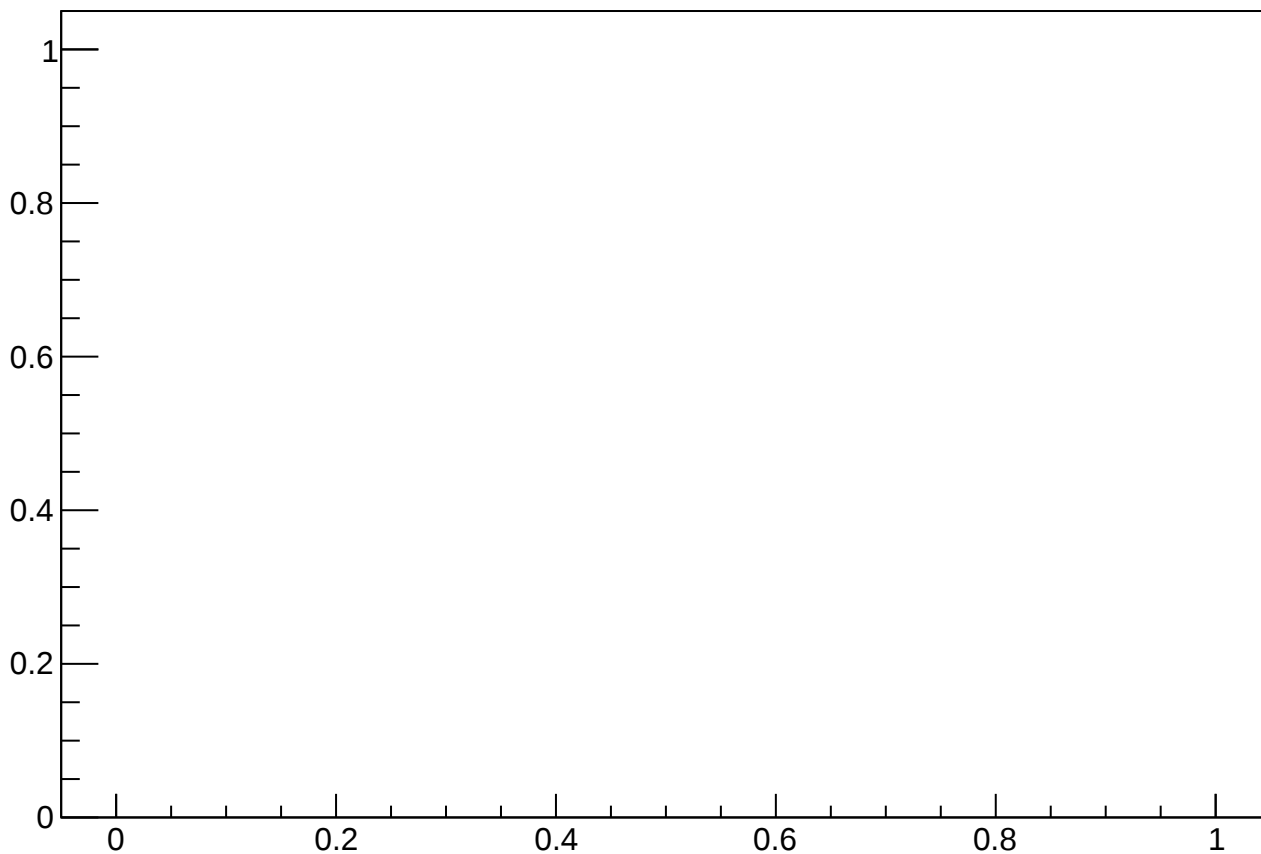
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug



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

0.000+/-0.000 χ^2/NDF : 0.0/0

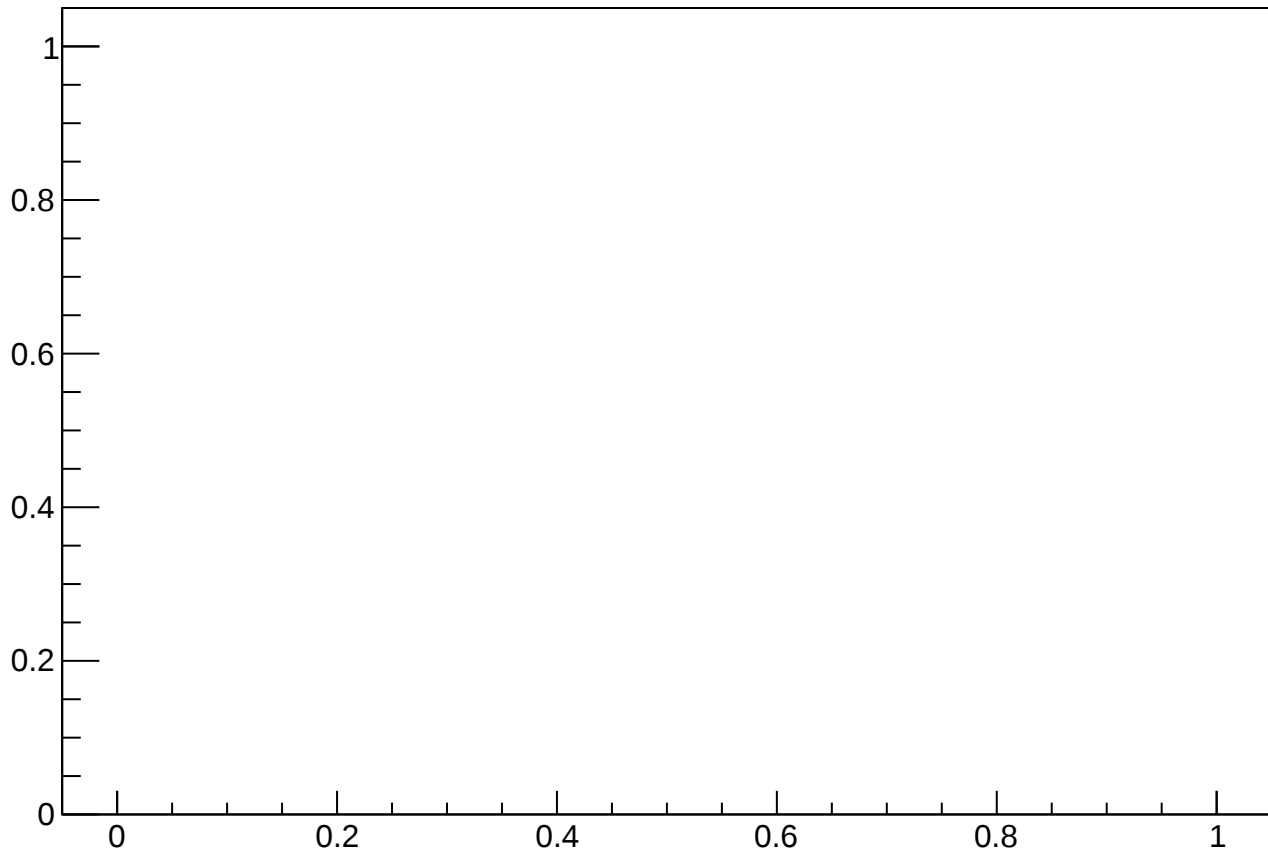
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

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

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

bcm_dg_us_ds_dd_mean vs Slug



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

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

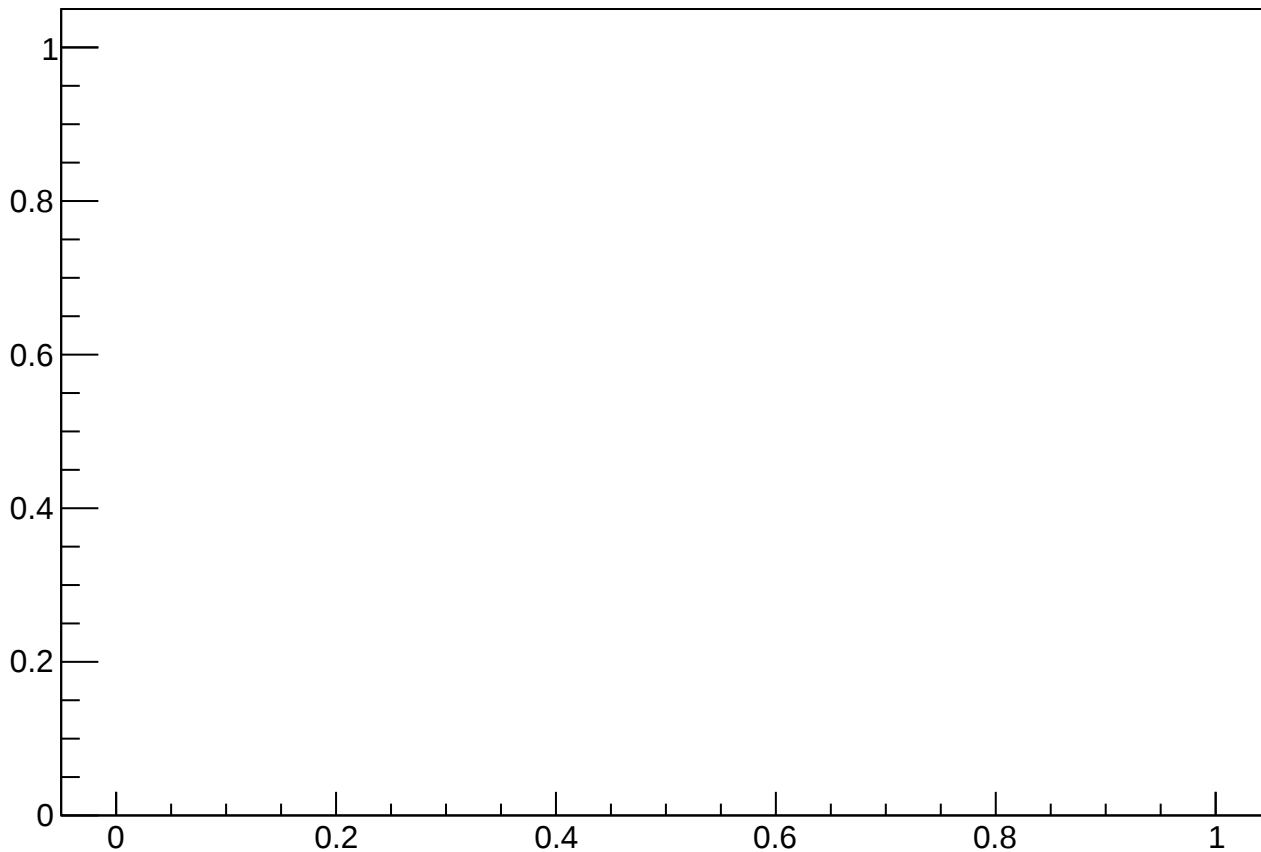
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug



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

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

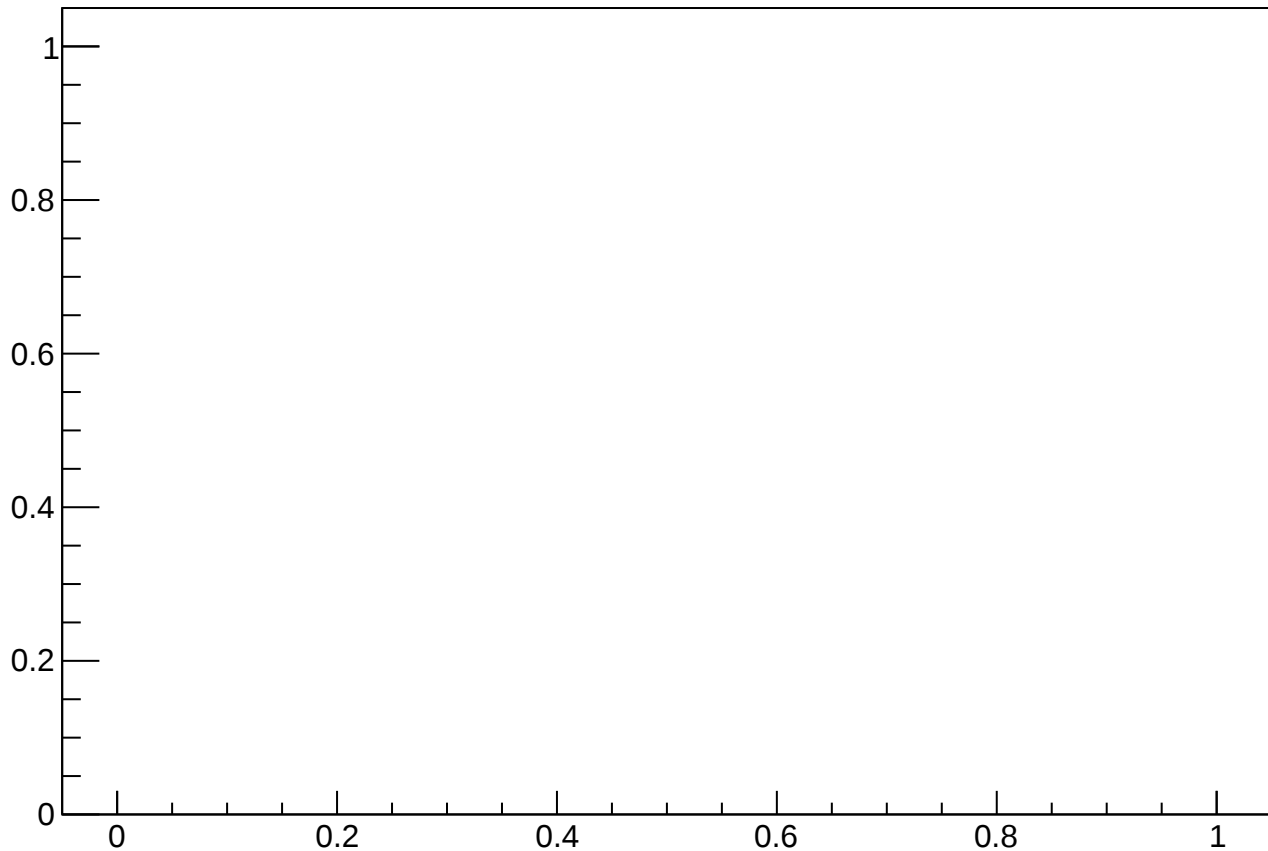
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug



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

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

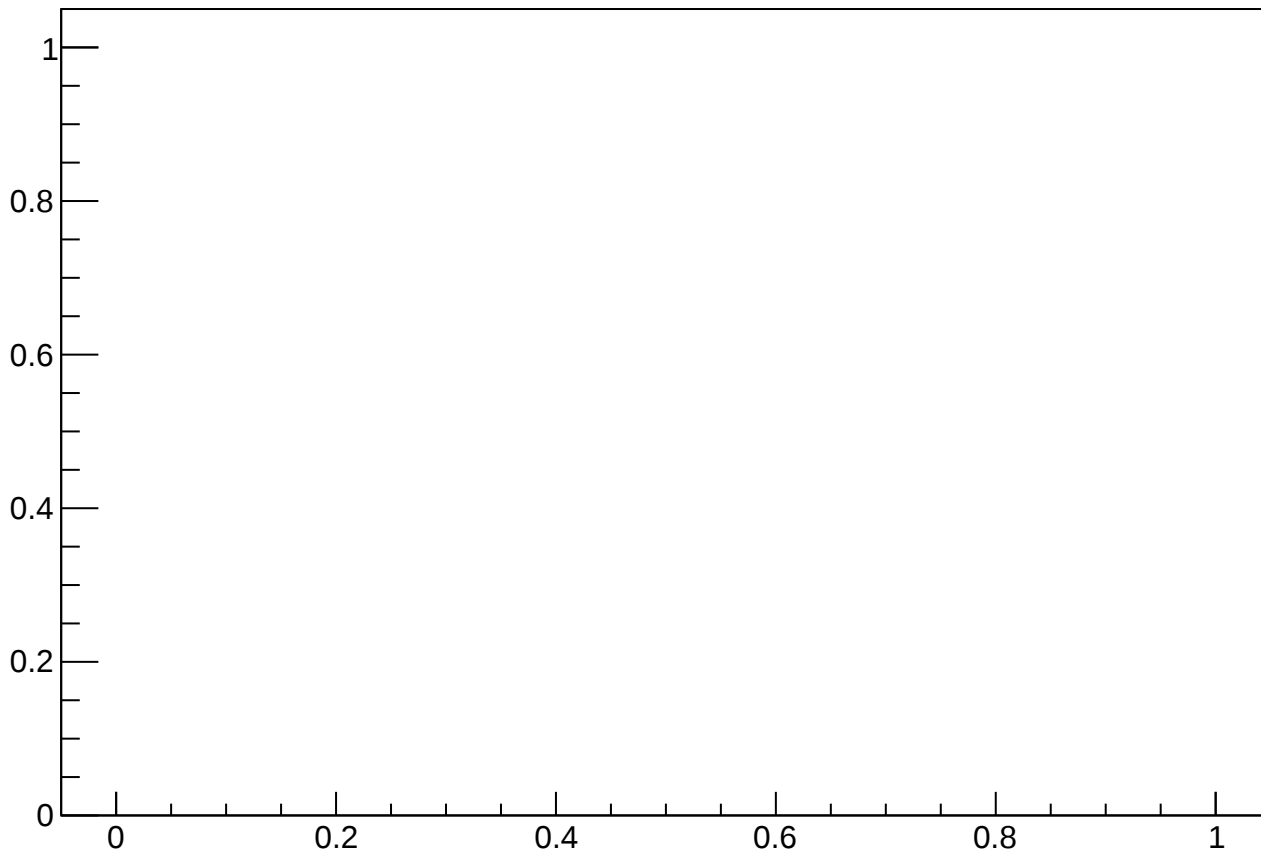
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug



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

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

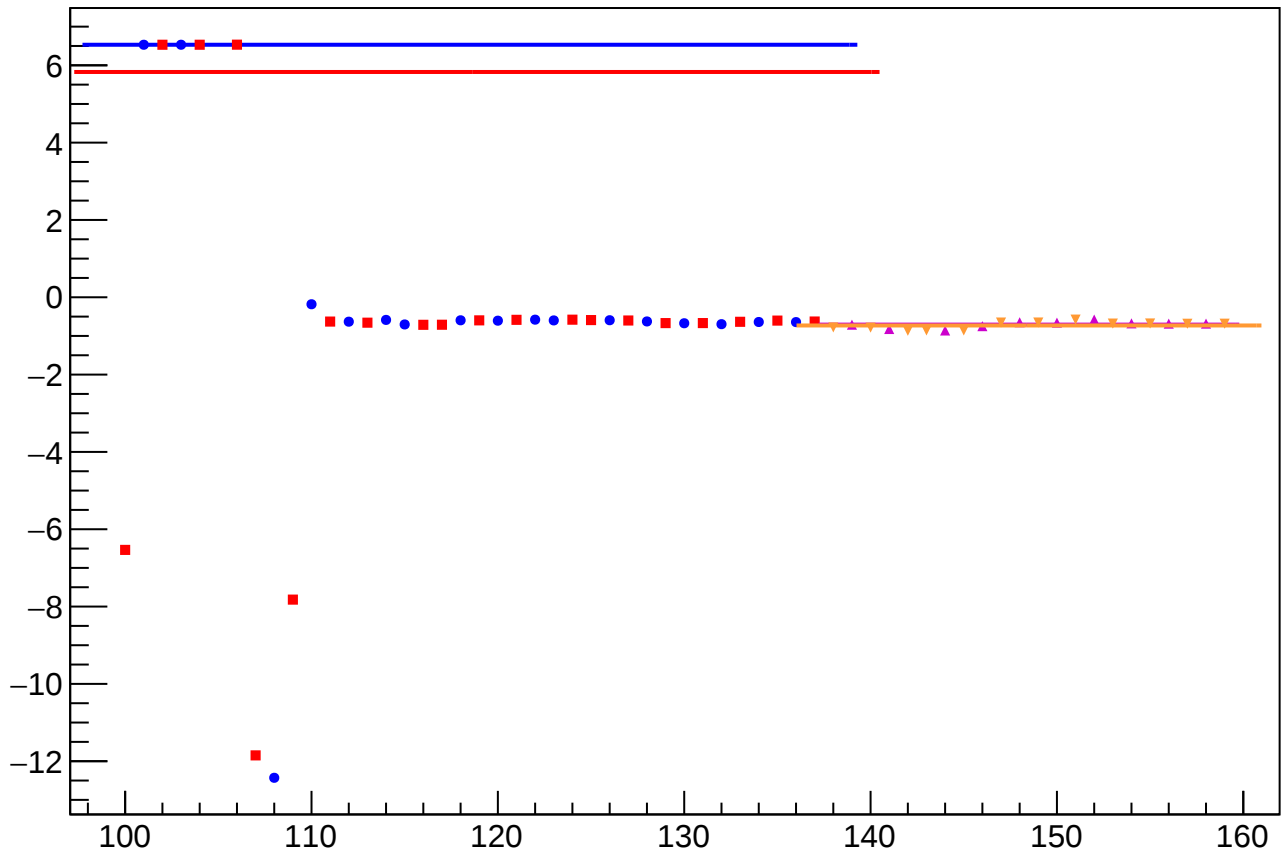
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127219747629.7/16

Left Out: -0.729 $\pm$ 0.000 χ^2 /NDF: 72032866.2/11

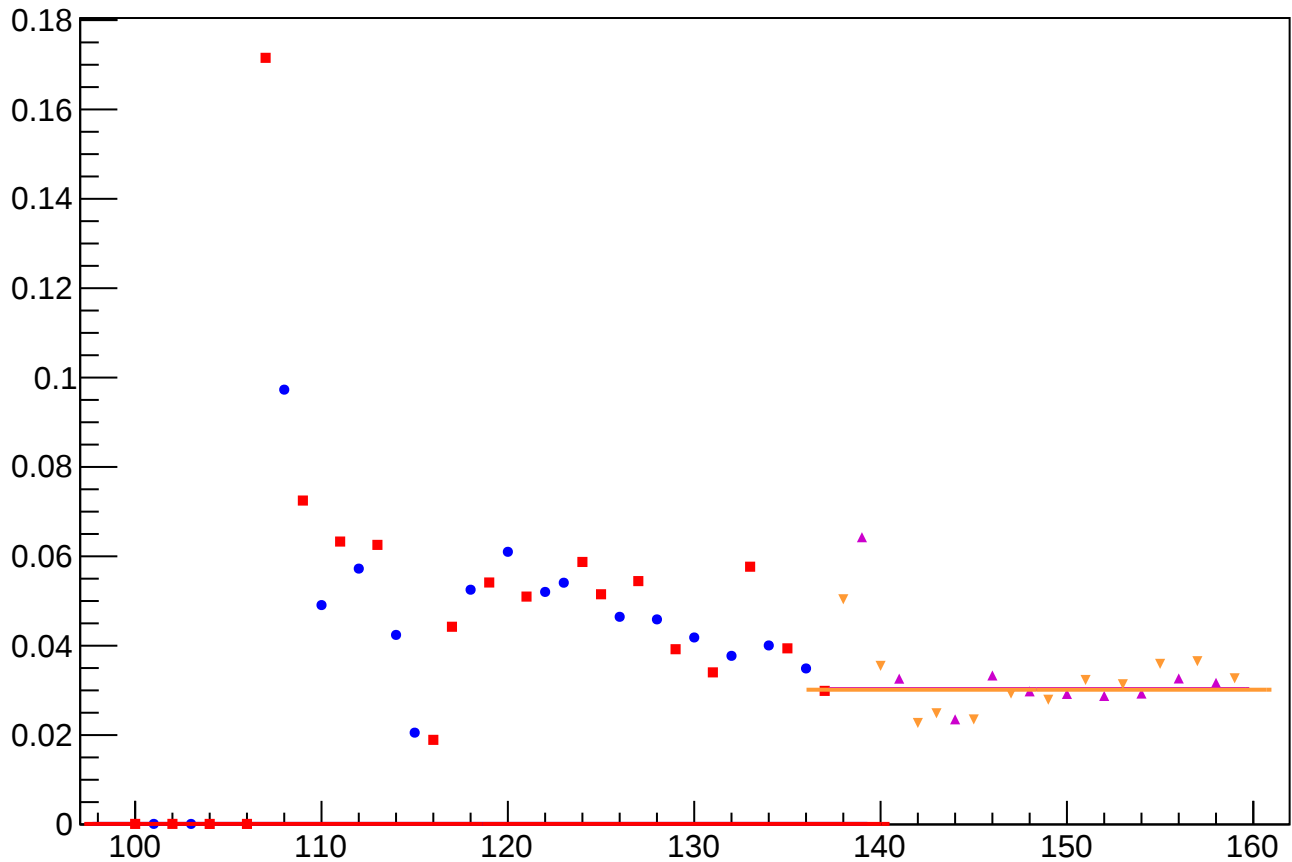
Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755964092355063.0/19

Left In: -0.707 $\pm$ 0.000 χ^2 /NDF: 54599844.8/9

6.531 $\pm$ 0.000 χ^2 /NDF: 531630088507.4/28

5.827 $\pm$ 0.000 χ^2 /NDF: 756262537090980.1/29

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.030+/-0.000 χ^2/NDF :516121.5/11

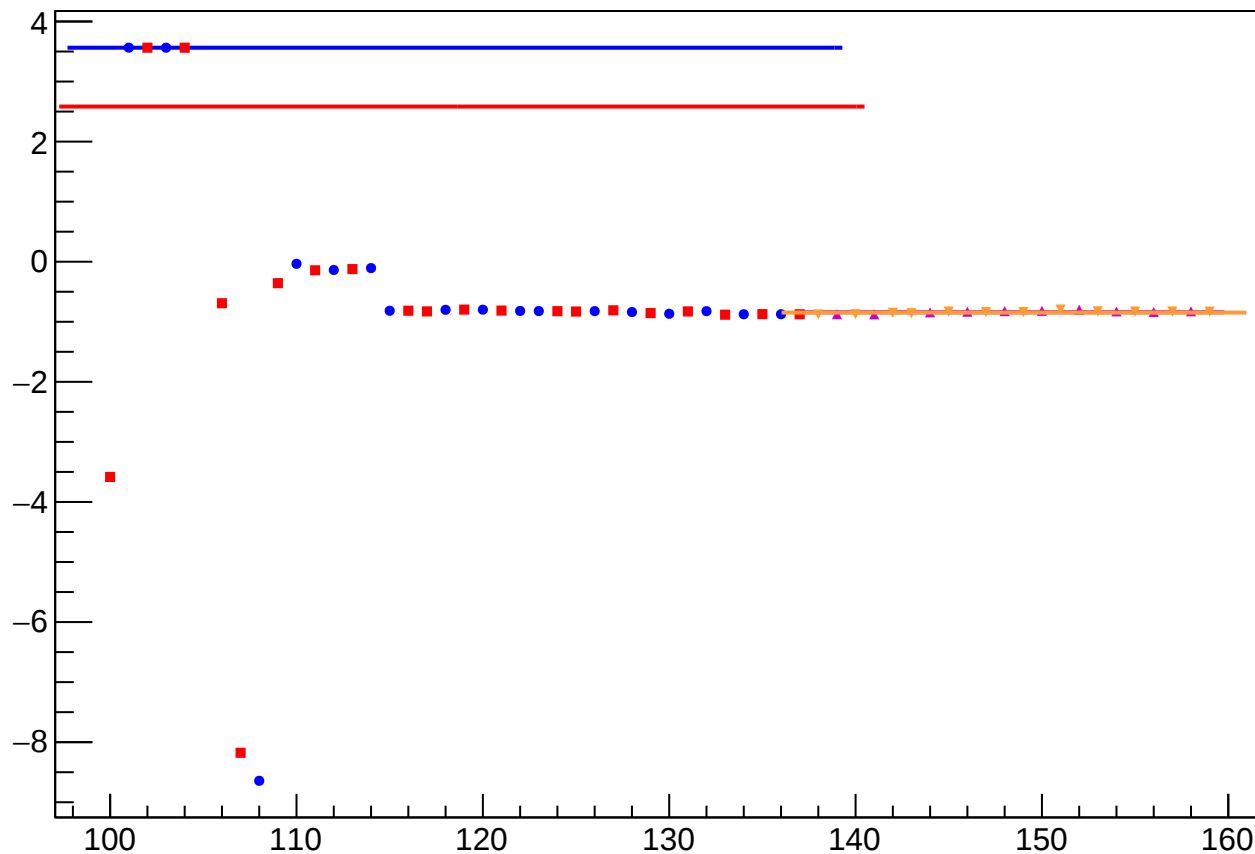
Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

Left In: 0.030+/-0.000 χ^2/NDF :529087.7/9

0.000+/-0.000 χ^2/NDF : 23234670.8/28

0.000+/-0.000 χ^2/NDF : 22691381.5/29

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.847+/-0.000 χ^2/NDF : 37498978.9/11

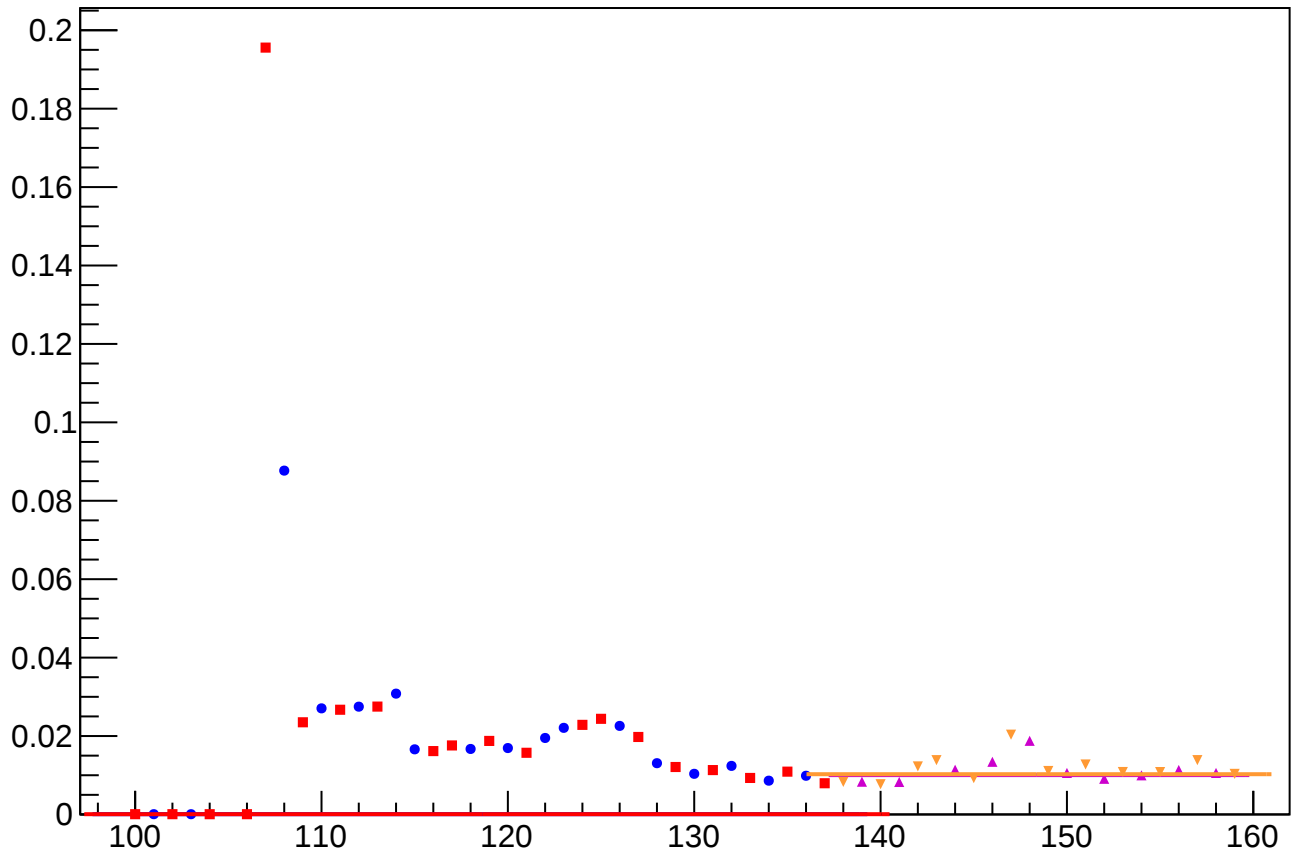
Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

Left In: -0.841+/-0.000 χ^2/NDF : 48568772.0/9

3.562+/-0.000 χ^2/NDF : 1707893644223.6/28

2.583+/-0.000 χ^2/NDF : 1254226995580310.0/28

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.010+/-0.000 χ^2/NDF : 803842.8/11

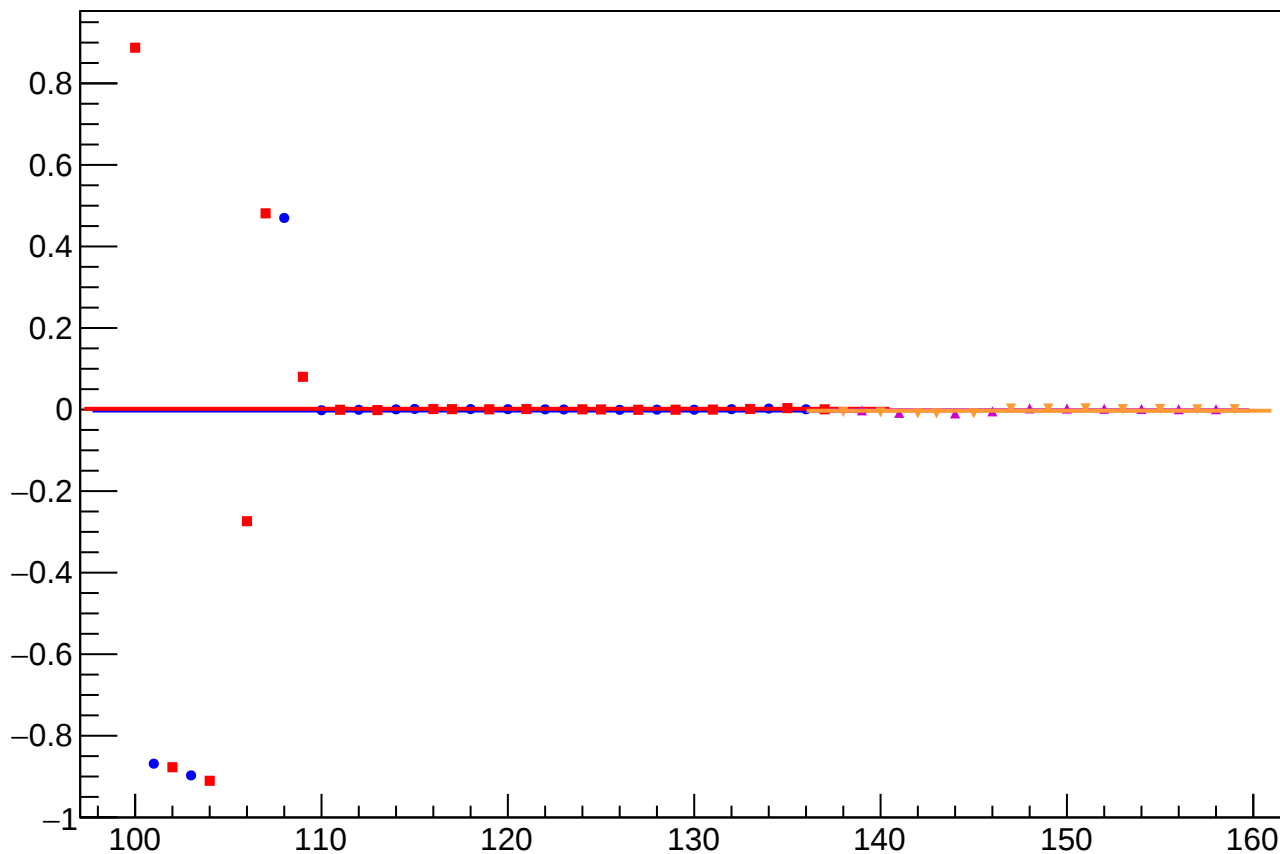
Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

Left In: 0.010+/-0.000 χ^2/NDF : 553980.4/9

0.000+/-0.000 χ^2/NDF : 23639105.7/28

0.000+/-0.000 χ^2/NDF : 22755618.2/29

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.003 ± 0.000 χ^2/NDF : 78369808.2/11

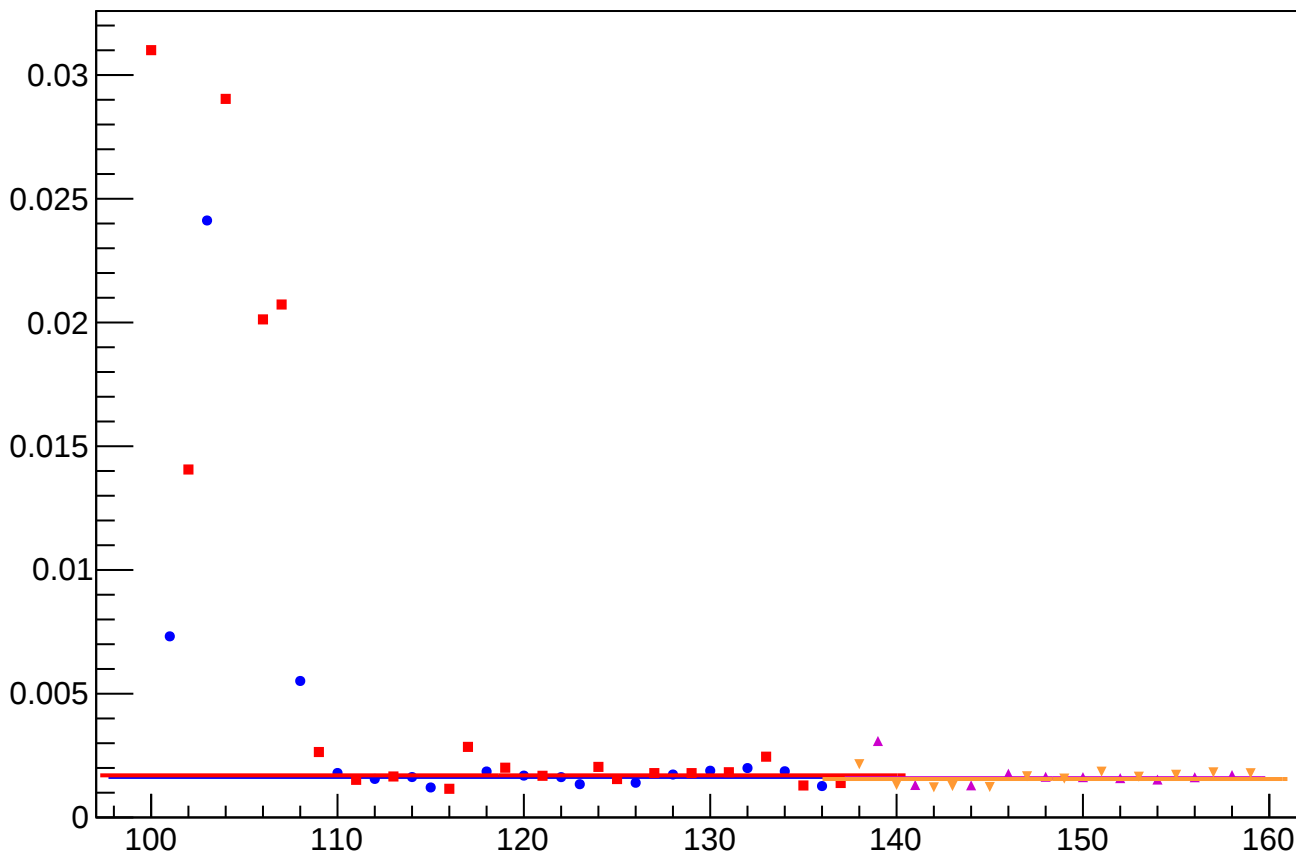
Right Out: 0.002 ± 0.000 χ^2/NDF : 3041323813.4/19

Left In: -0.002 ± 0.000 χ^2/NDF : 57299325.7/9

-0.003 ± 0.000 χ^2/NDF : 9873490507.3/28

-0.000 ± 0.000 χ^2/NDF : 3111262067.6/29

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1916349.1/16

Left Out: 0.002+/-0.000 χ^2/NDF : 402205.3/11

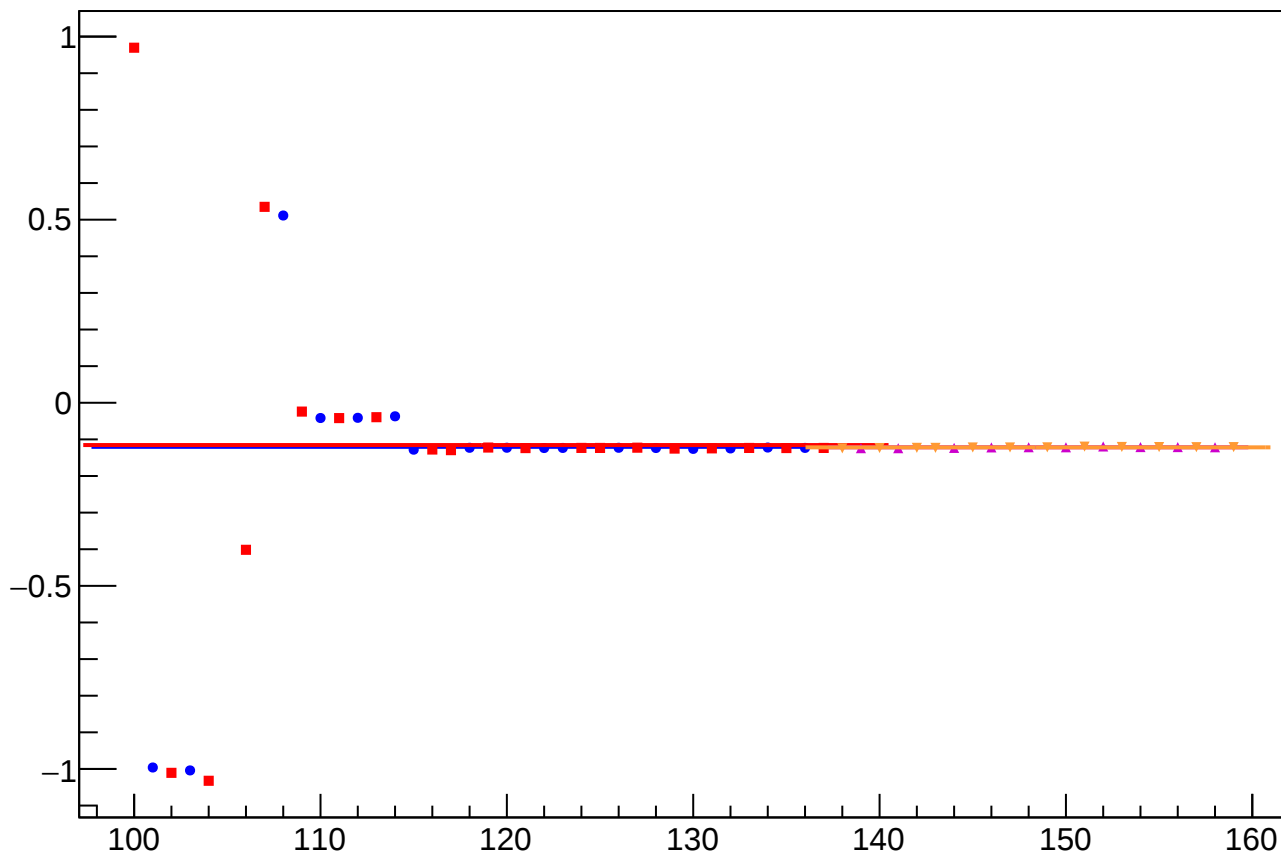
Right Out: 0.002+/-0.000 χ^2/NDF : 3037006.7/19

Left In: 0.002+/-0.000 χ^2/NDF : 478819.5/9

0.002+/-0.000 χ^2/NDF : 2333677.9/28

0.002+/-0.000 χ^2/NDF : 3540670.7/29

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.122+/-0.000 χ^2/NDF :10084628.0/11

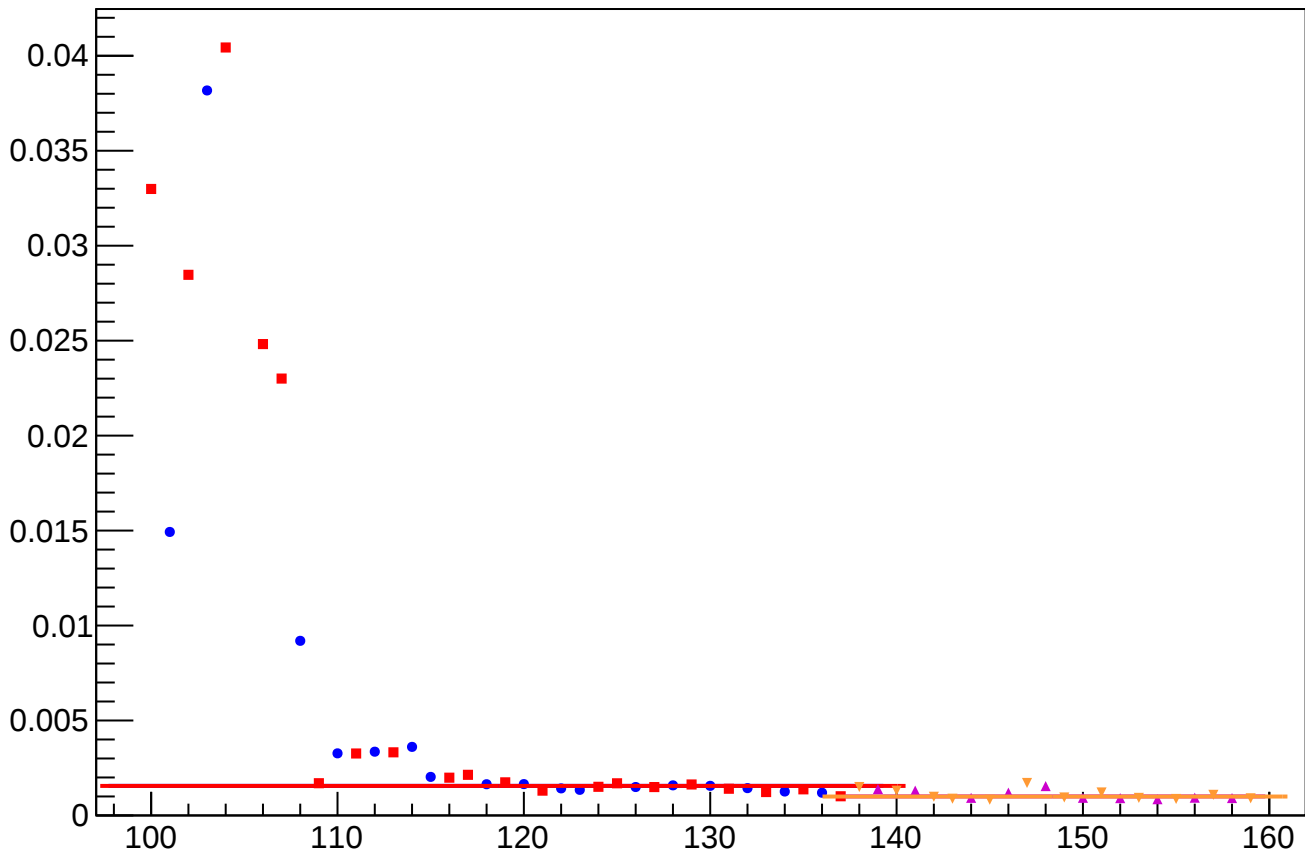
Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

Left In: -0.122+/-0.000 χ^2/NDF :12861512.3/9

-0.121+/-0.000 χ^2/NDF : 3945354660.8/28

-0.120+/-0.000 χ^2/NDF : 2527821704.6/29

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001+/-0.000 χ^2/NDF : 682294.9/11

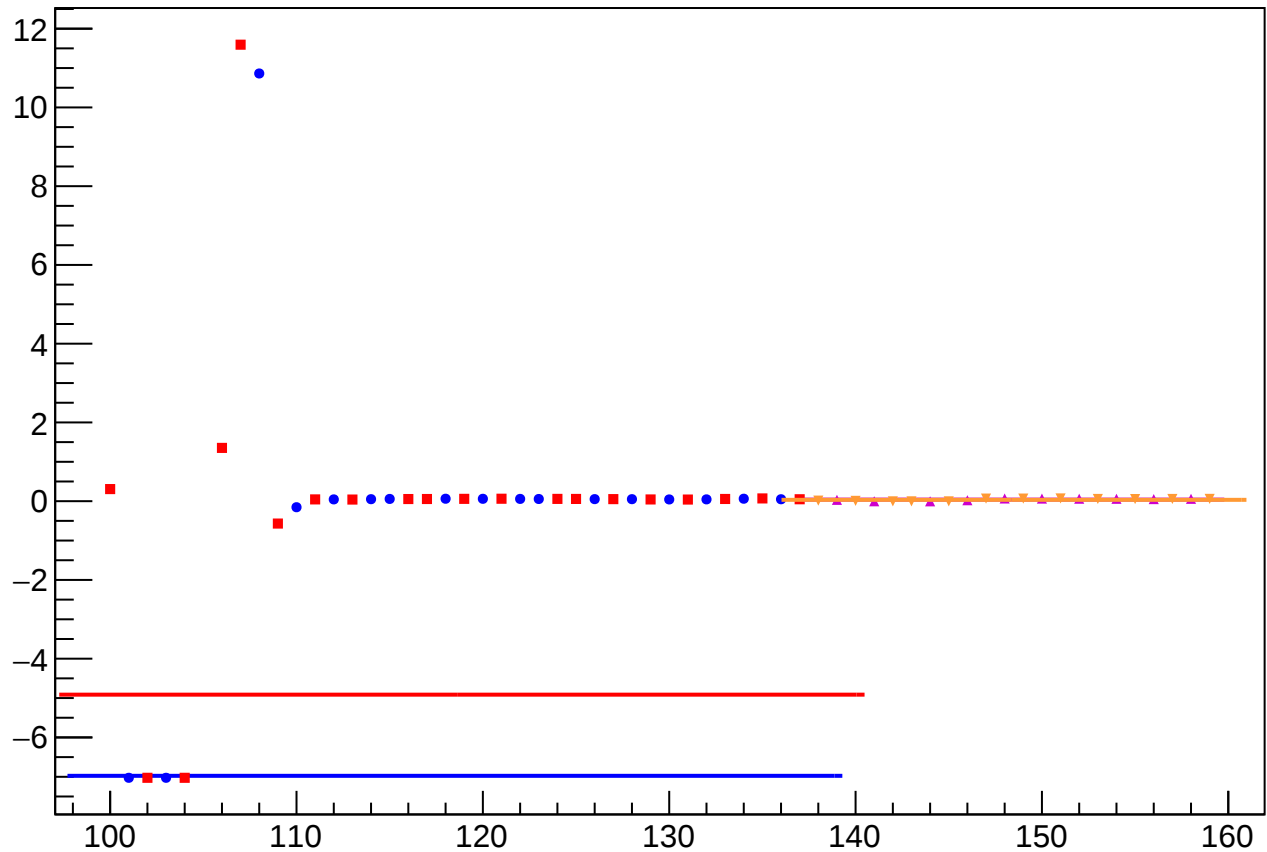
0.001+/-0.000 χ^2/NDF : 4544722.7/28

Right Out: 0.002+/-0.000 χ^2/NDF : 3545212.9/19

0.001+/-0.000 χ^2/NDF : 4985179.1/29

Left In: 0.001+/-0.000 χ^2/NDF : 514529.4/9

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.034+/-0.000 χ^2/NDF : 78626823.5/11

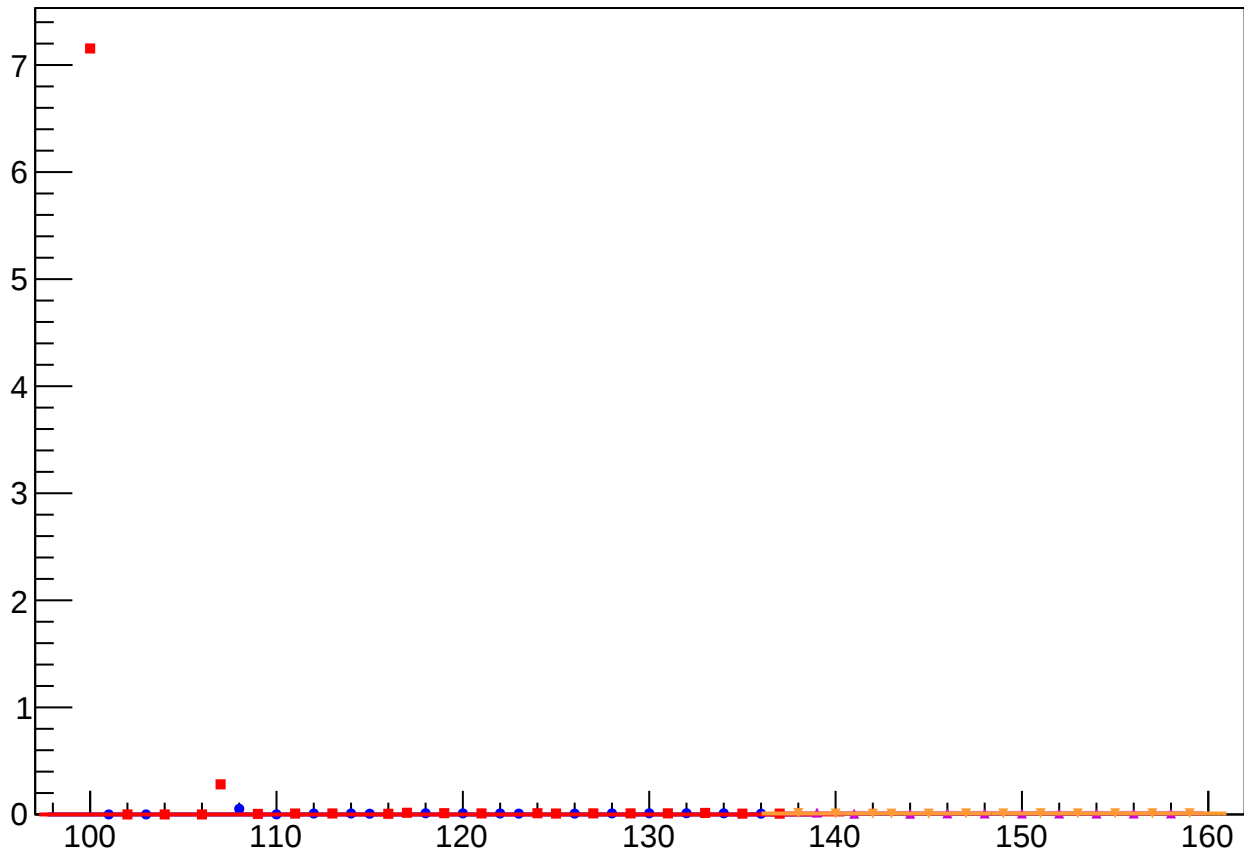
-6.952+/-0.000 χ^2/NDF : 12810091873431.6/28

Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

-4.900+/-0.000 χ^2/NDF : 367183041006572.2/2

Left In: 0.040+/-0.000 χ^2/NDF : 62747384.3/9

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 399627.9/11

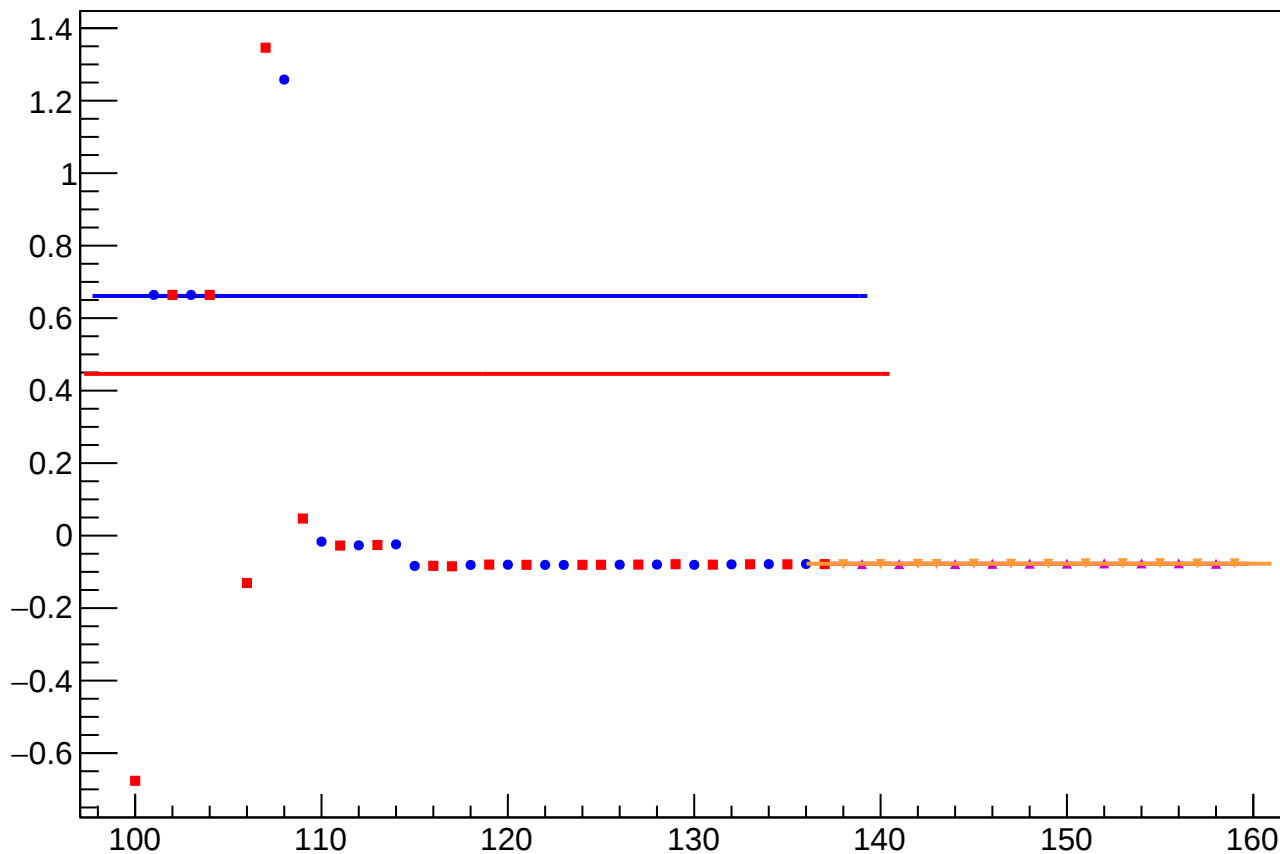
Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

Left In: 0.009+/-0.000 χ^2/NDF : 480185.9/9

0.000+/-0.000 χ^2/NDF : 21927330.3/28

0.000+/-0.000 χ^2/NDF : 21672753.2/29

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.077+/-0.000 χ^2/NDF : 20845550.8/11

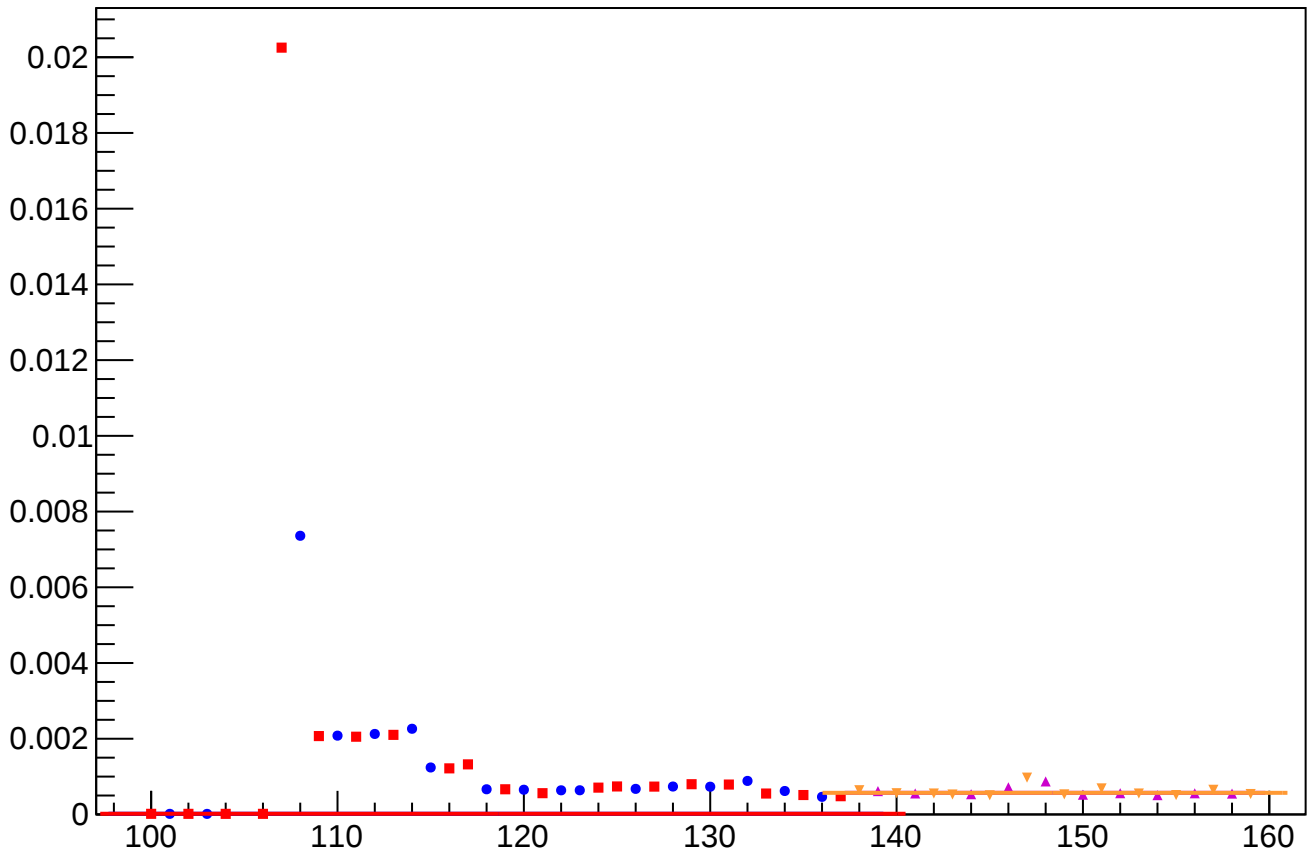
Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

Left In: -0.077+/-0.000 χ^2/NDF : 15015038.5/9

0.654+/-0.000 χ^2/NDF : 19459584996621.7/28

0.442+/-0.000 χ^2/NDF : 411896267846177.3/29

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 406761.3/11

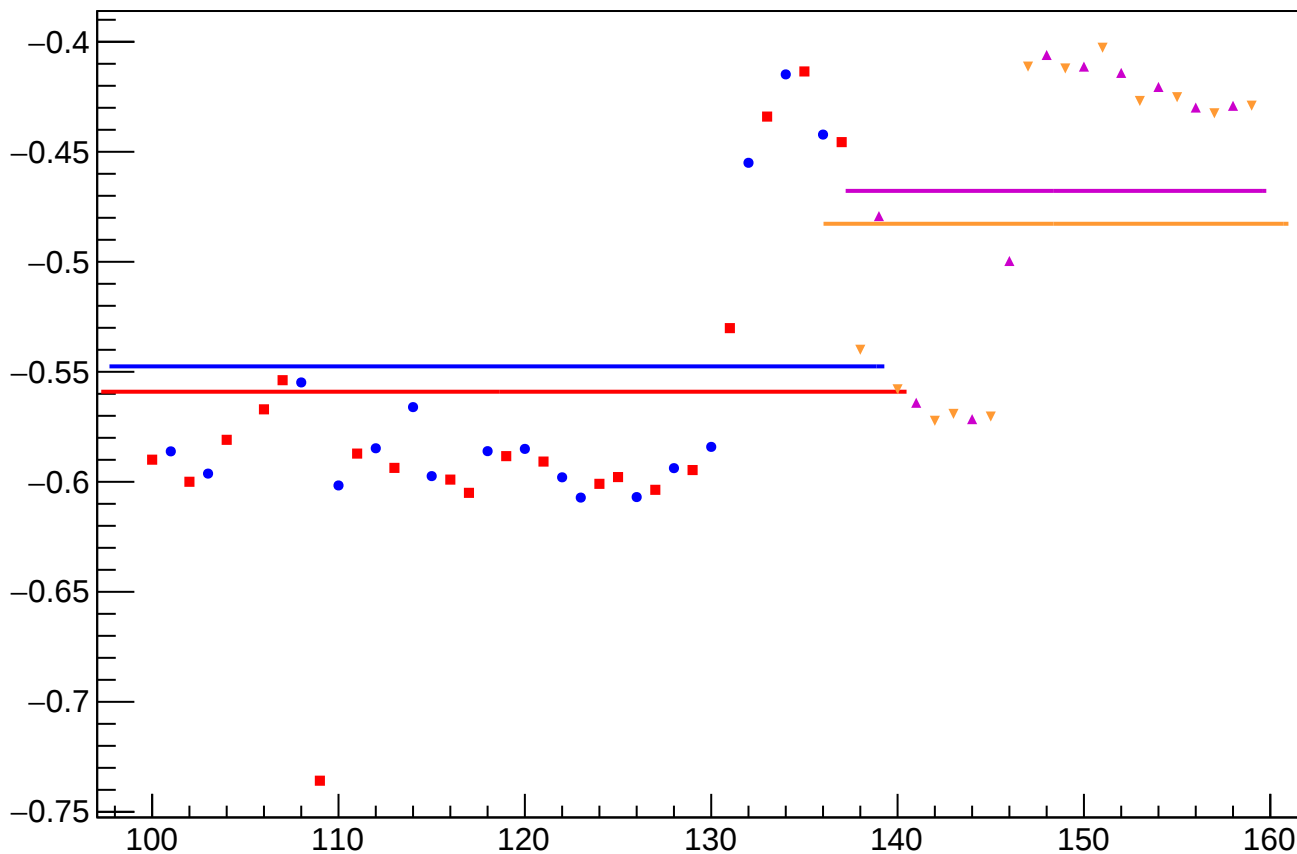
Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

Left In: 0.001+/-0.000 χ^2/NDF : 303830.7/9

0.000+/-0.000 χ^2/NDF : 25804650.7/28

0.000+/-0.000 χ^2/NDF : 24277244.2/29

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.483+/-0.000 χ^2/NDF : 88389531.5/11

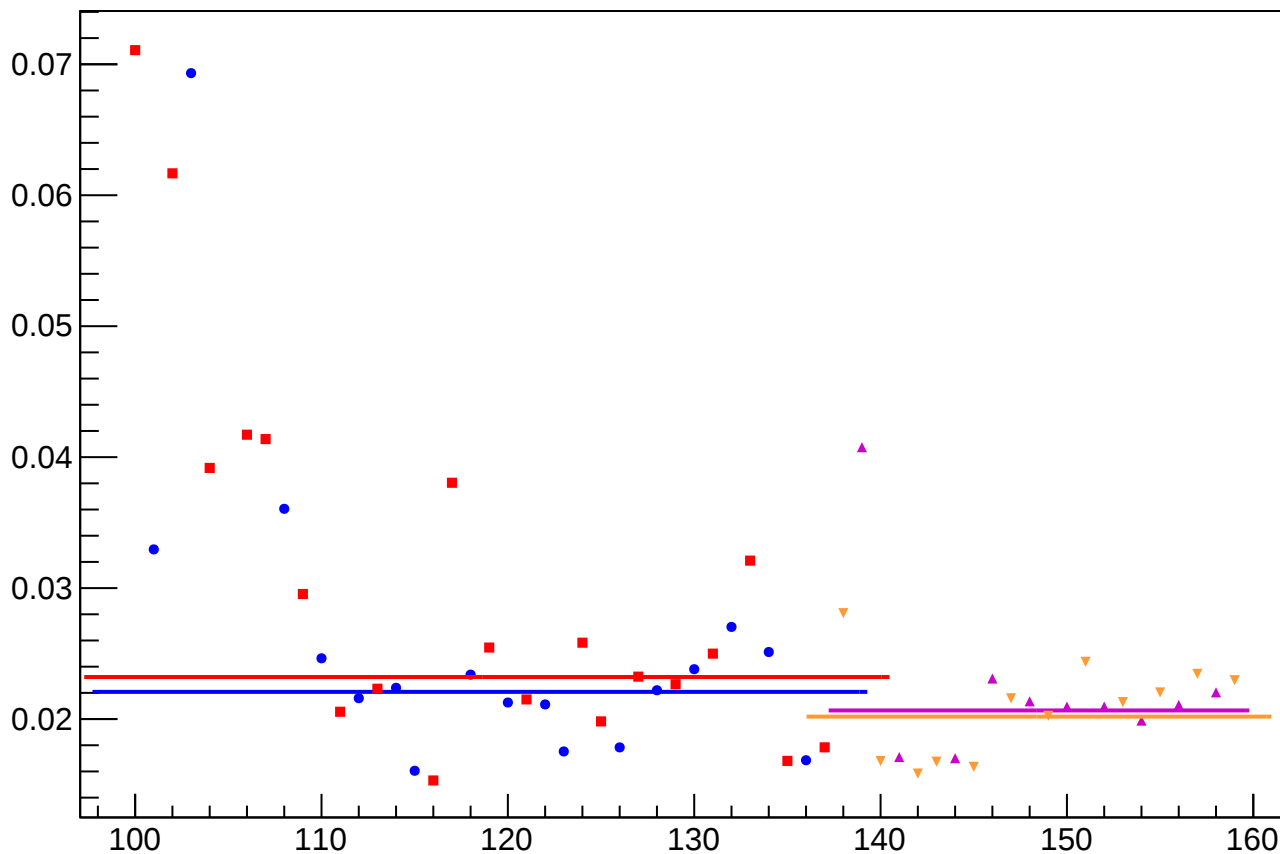
Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

Left In: -0.468+/-0.000 χ^2/NDF : 66043786.8/9

-0.507+/-0.000 χ^2/NDF : 163925281.1/28

-0.504+/-0.000 χ^2/NDF : 181287851.2/29

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020+/-0.000 χ^2/NDF : 381700.2/11

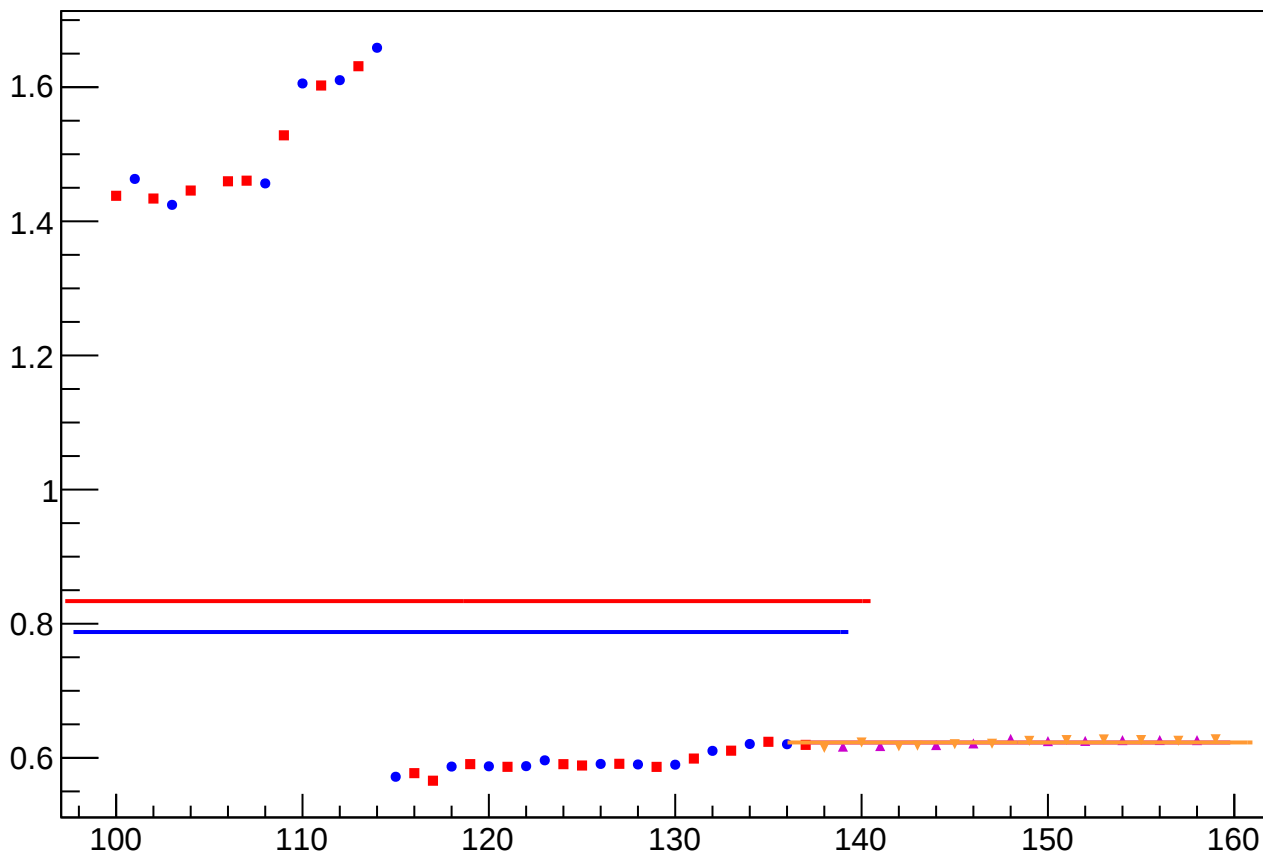
Right Out: 0.023+/-0.000 χ^2/NDF : 1169013.8/19

Left In: 0.021+/-0.000 χ^2/NDF : 482439.6/9

0.021+/-0.000 χ^2/NDF : 1382353.7/28

0.022+/-0.000 χ^2/NDF : 1729427.8/29

yield_bpm4aY_mean vs Slug



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3581400502.4/16

Left Out: 0.623 $\pm$ 0.000 χ^2 /NDF:957353.3/11

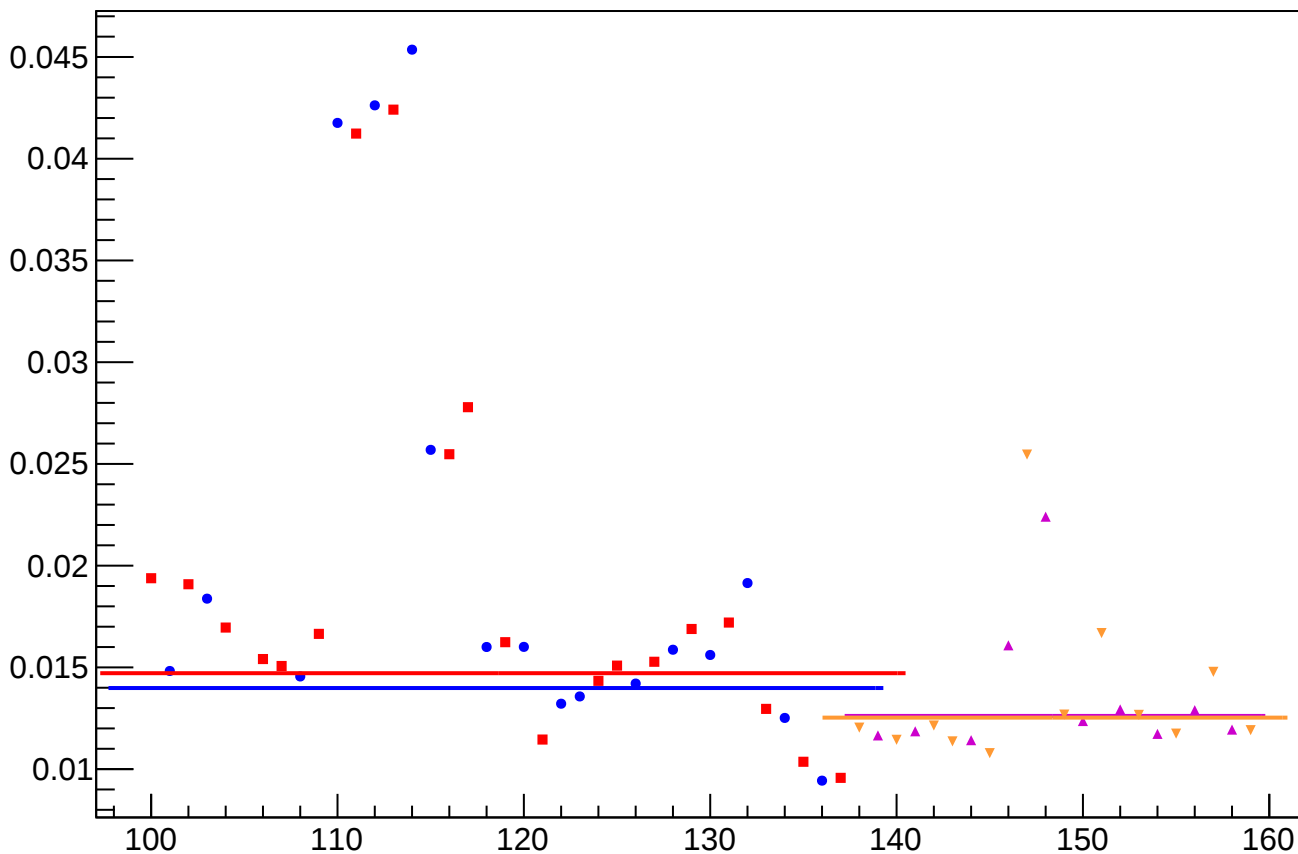
0.681 $\pm$ 0.000 χ^2 /NDF: 4087841433.3/28

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4155673215.9/19

0.700 $\pm$ 0.000 χ^2 /NDF: 4943367727.9/29

Left In: 0.623 $\pm$ 0.000 χ^2 /NDF:761895.1/9

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 587449.6/11

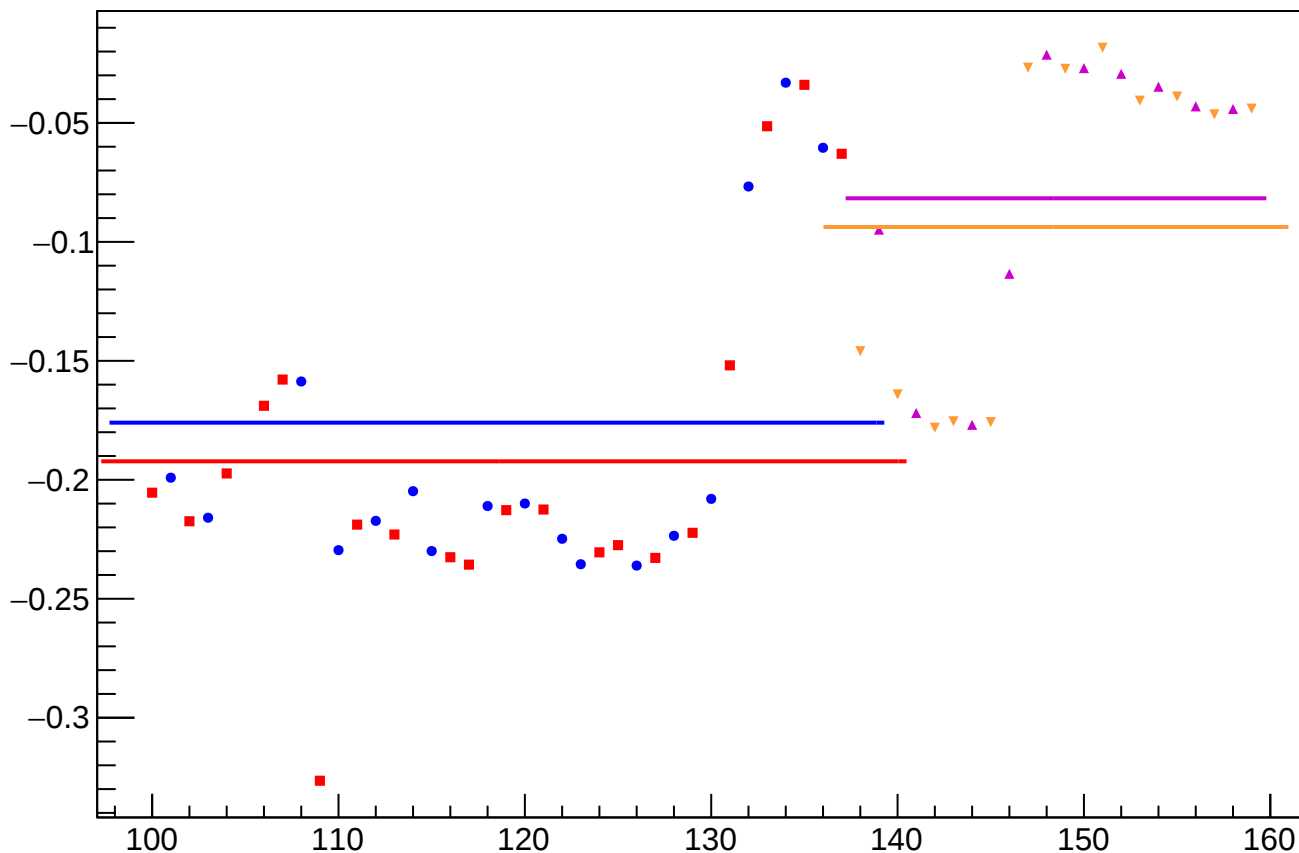
0.013 $\pm$ 0.000 χ^2 /NDF: 2064857.3/28

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1275472.3/19

0.013 $\pm$ 0.000 χ^2 /NDF: 1840874.8/29

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 409115.7/9

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.094+/-0.000 χ^2/NDF : 85519911.0/11

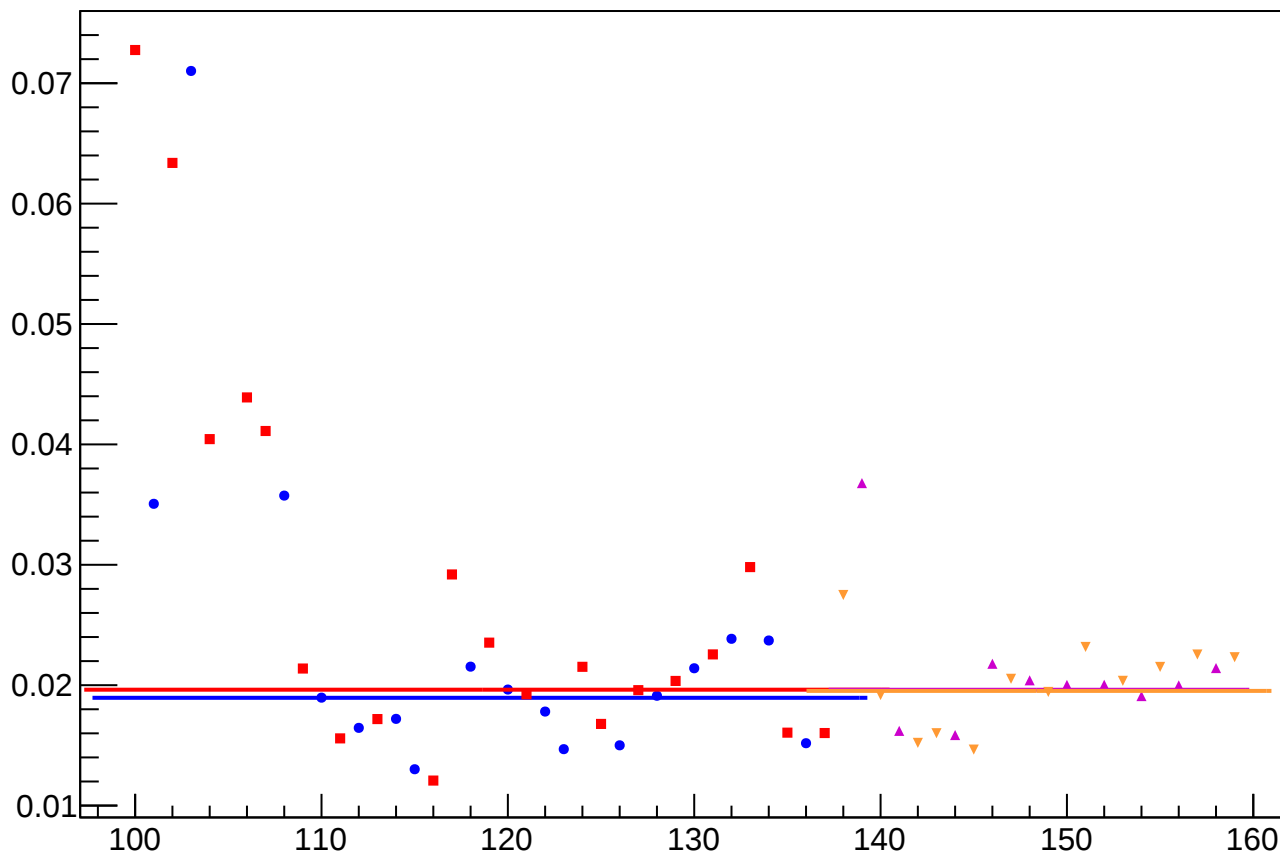
Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

Left In: -0.082+/-0.000 χ^2/NDF : 67070396.5/9

-0.129+/-0.000 χ^2/NDF : 208865900.5/28

-0.131+/-0.000 χ^2/NDF : 242046380.2/29

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.020+/-0.000 χ^2/NDF : 411911.4/11

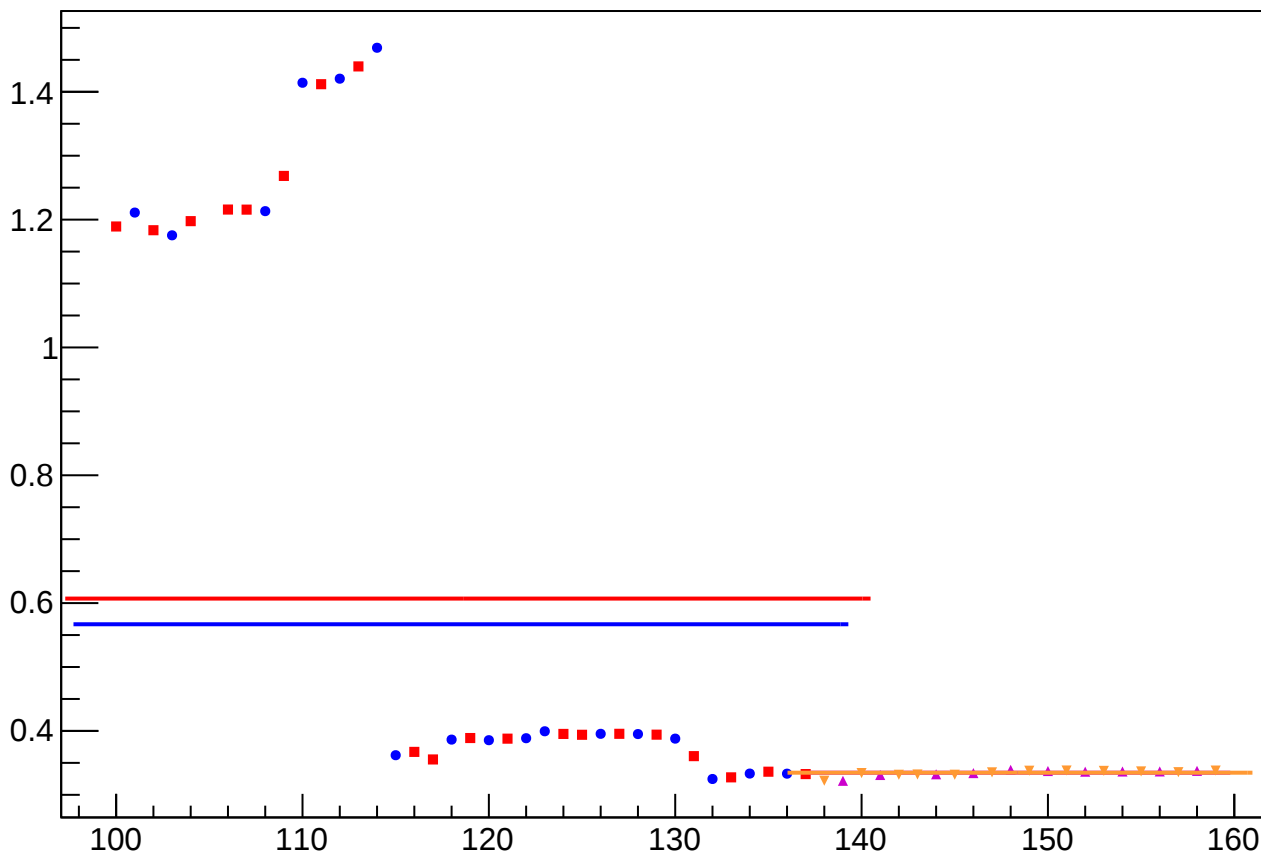
Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

Left In: 0.020+/-0.000 χ^2/NDF : 464196.7/9

0.019+/-0.000 χ^2/NDF : 1620362.1/28

0.020+/-0.000 χ^2/NDF : 1928180.2/29

yield_bpm4eY_mean vs Slug



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1060800.7/11

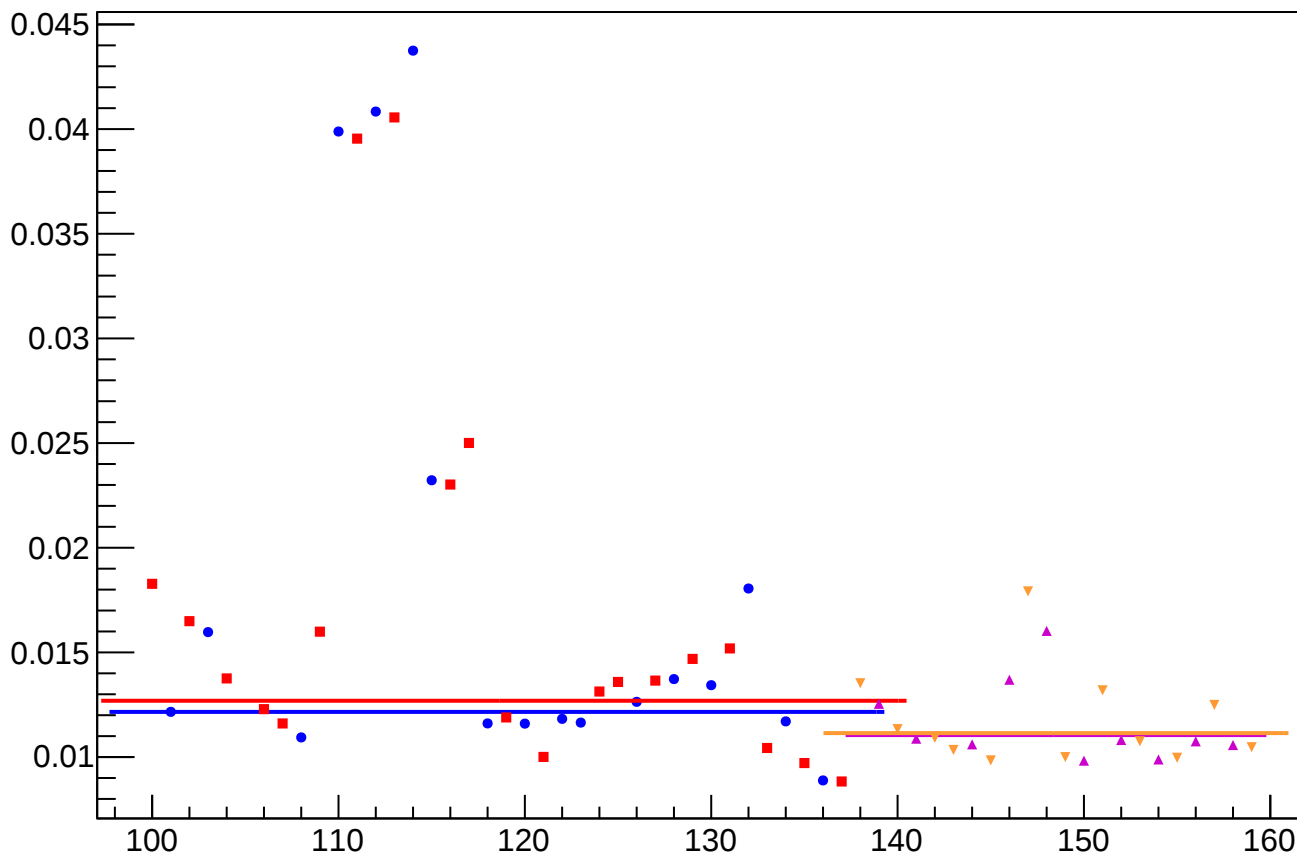
Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5509130775.3/19

Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1107554.0/9

0.418 $\pm$ 0.000 χ^2 /NDF: 6327051787.4/28

0.434 $\pm$ 0.000 χ^2 /NDF: 7239082361.7/29

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1307948.2/16

Left Out: 0.011+/-0.000 χ^2/NDF : 394865.2/11

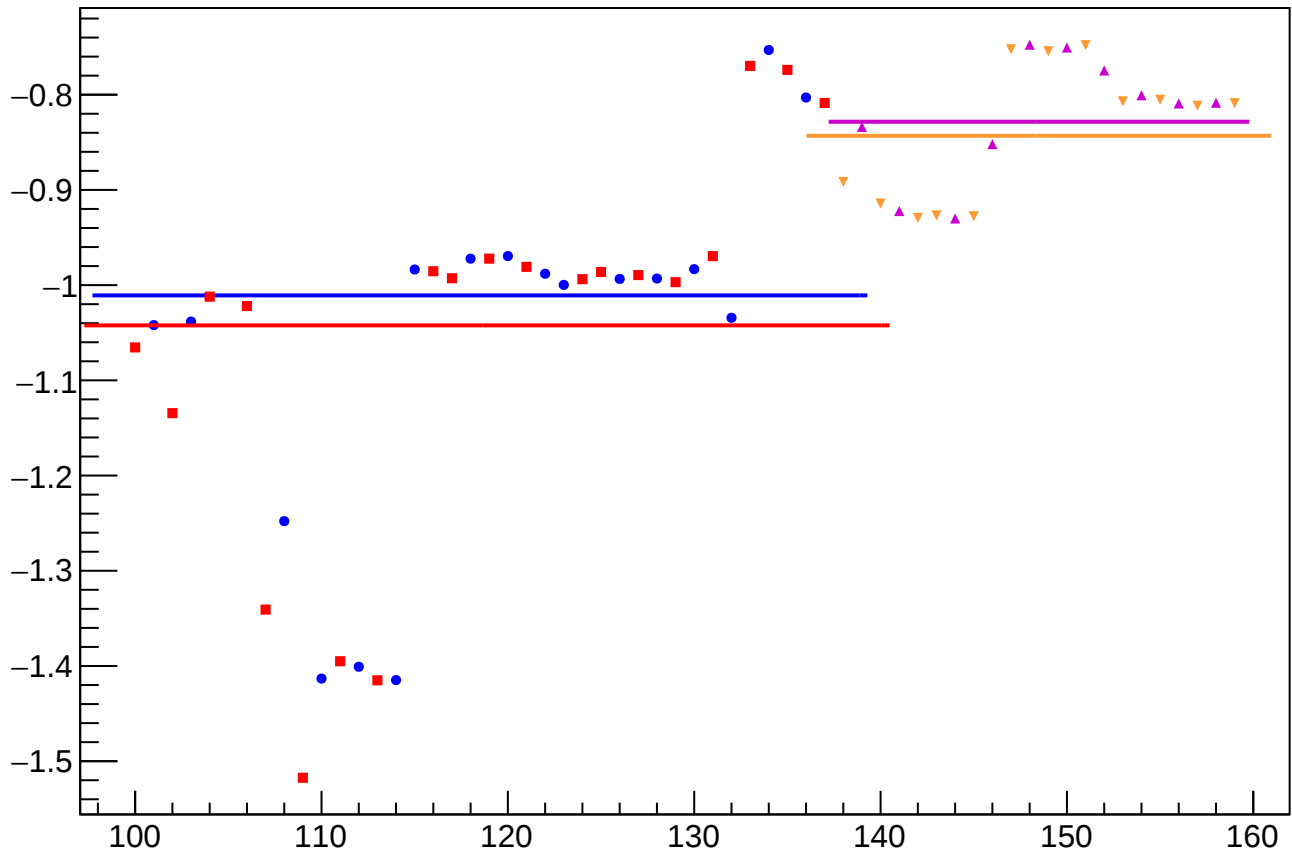
Right Out: 0.013+/-0.000 χ^2/NDF : 1285911.2/19

Left In: 0.011+/-0.000 χ^2/NDF : 282067.3/9

0.012+/-0.000 χ^2/NDF : 1752615.1/28

0.012+/-0.000 χ^2/NDF : 1693199.4/29

yield_bpm4acX_mean vs Slug



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.843+/-0.000 χ^2/NDF : 91383558.6/11

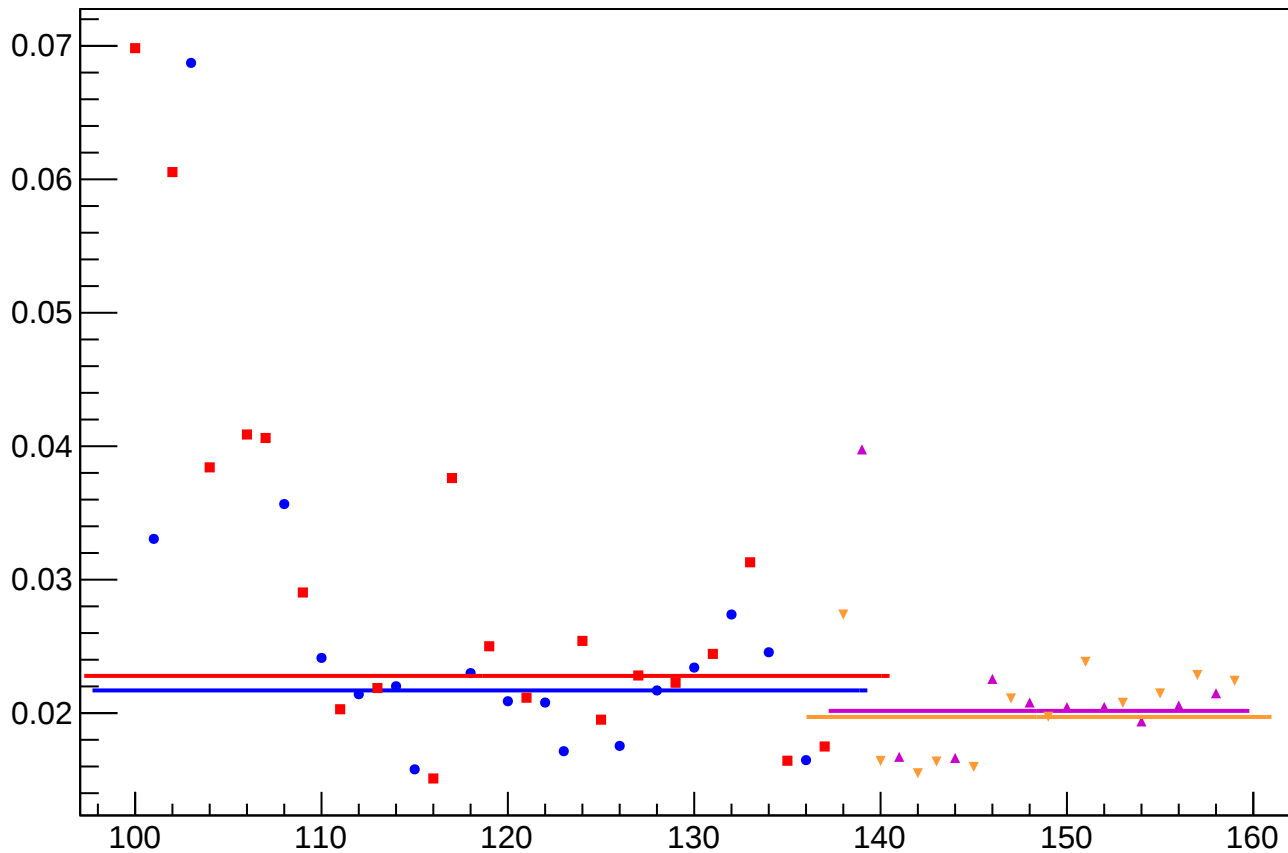
Right Out: -1.042+/-0.000 χ^2/NDF : 529028760.6/19

Left In: -0.828+/-0.000 χ^2/NDF : 69854601.8/9

-0.906+/-0.000 χ^2/NDF : 666214548.3/28

-0.913+/-0.000 χ^2/NDF : 883787617.0/29

yield_bpm4acX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.020+/-0.000 χ^2/NDF : 379597.9/11

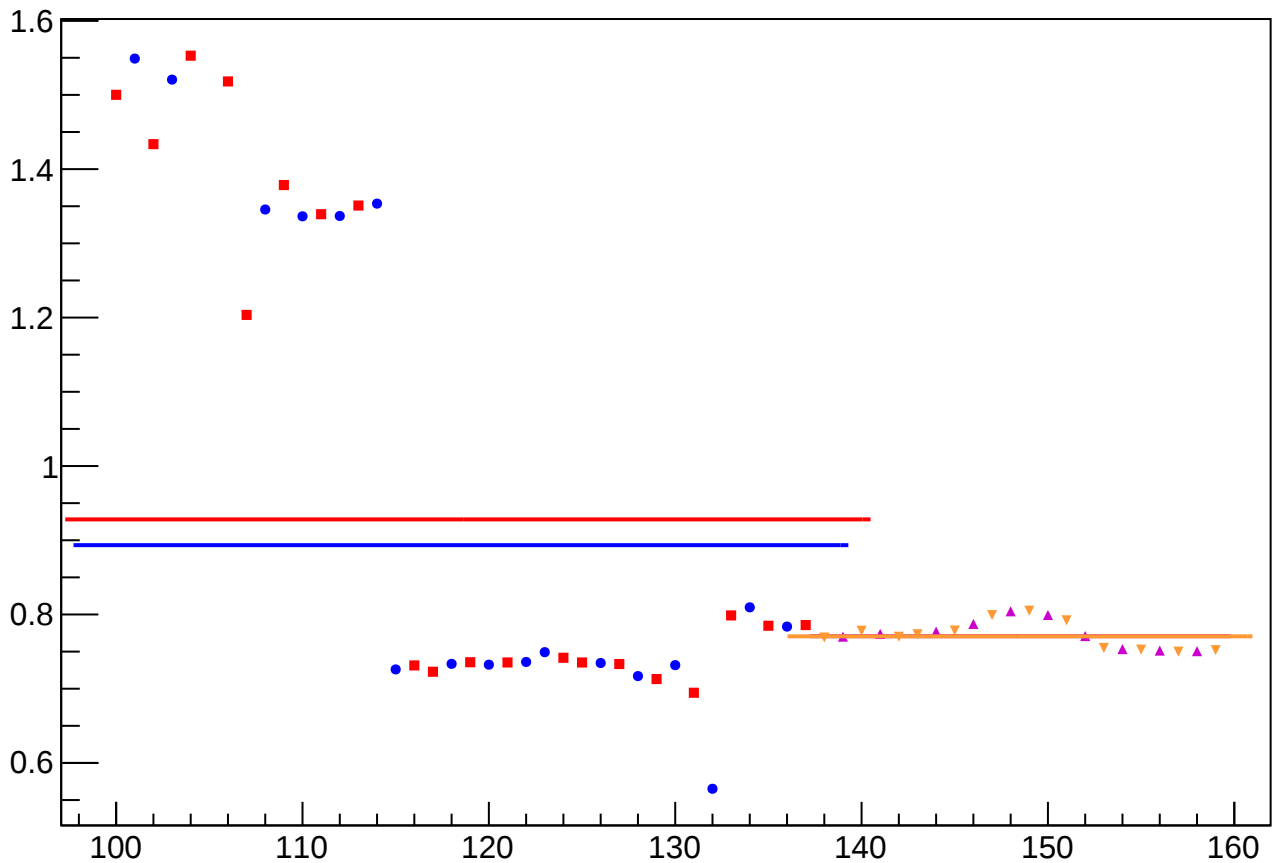
Right Out: 0.023+/-0.000 χ^2/NDF : 1164870.4/19

Left In: 0.020+/-0.000 χ^2/NDF : 479786.1/9

0.020+/-0.000 χ^2/NDF : 1411769.9/28

0.021+/-0.000 χ^2/NDF : 1730223.3/29

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.771+/-0.000 χ^2/NDF :15184484.8/11

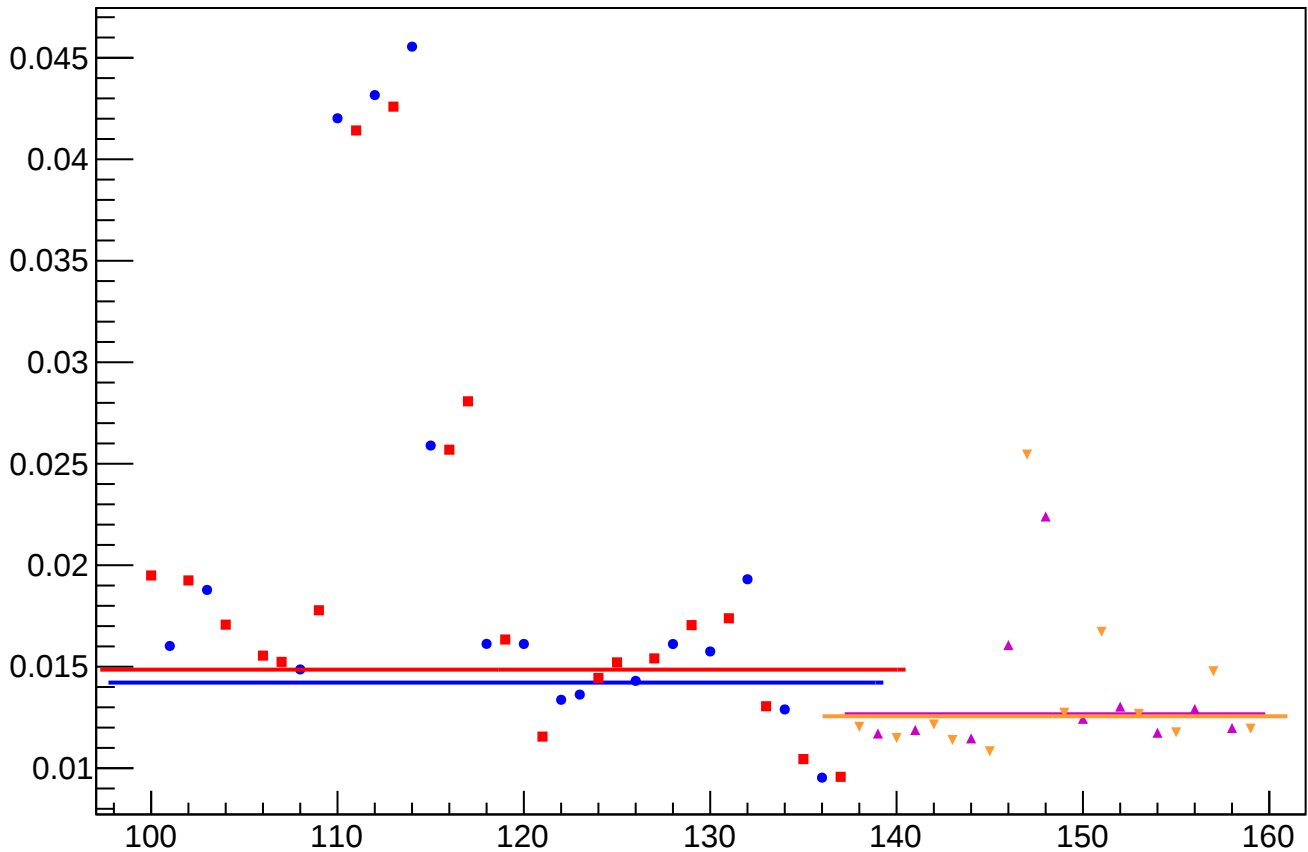
0.813+/-0.000 χ^2/NDF : 2697214050.1/28

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

0.828+/-0.000 χ^2/NDF : 2881656408.5/29

Left In: 0.771+/-0.000 χ^2/NDF :13146111.9/9

yield_bpm4acY_rms vs Slug



Right In: 0.014 ± 0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.013 ± 0.000 χ^2/NDF : 582836.3/11

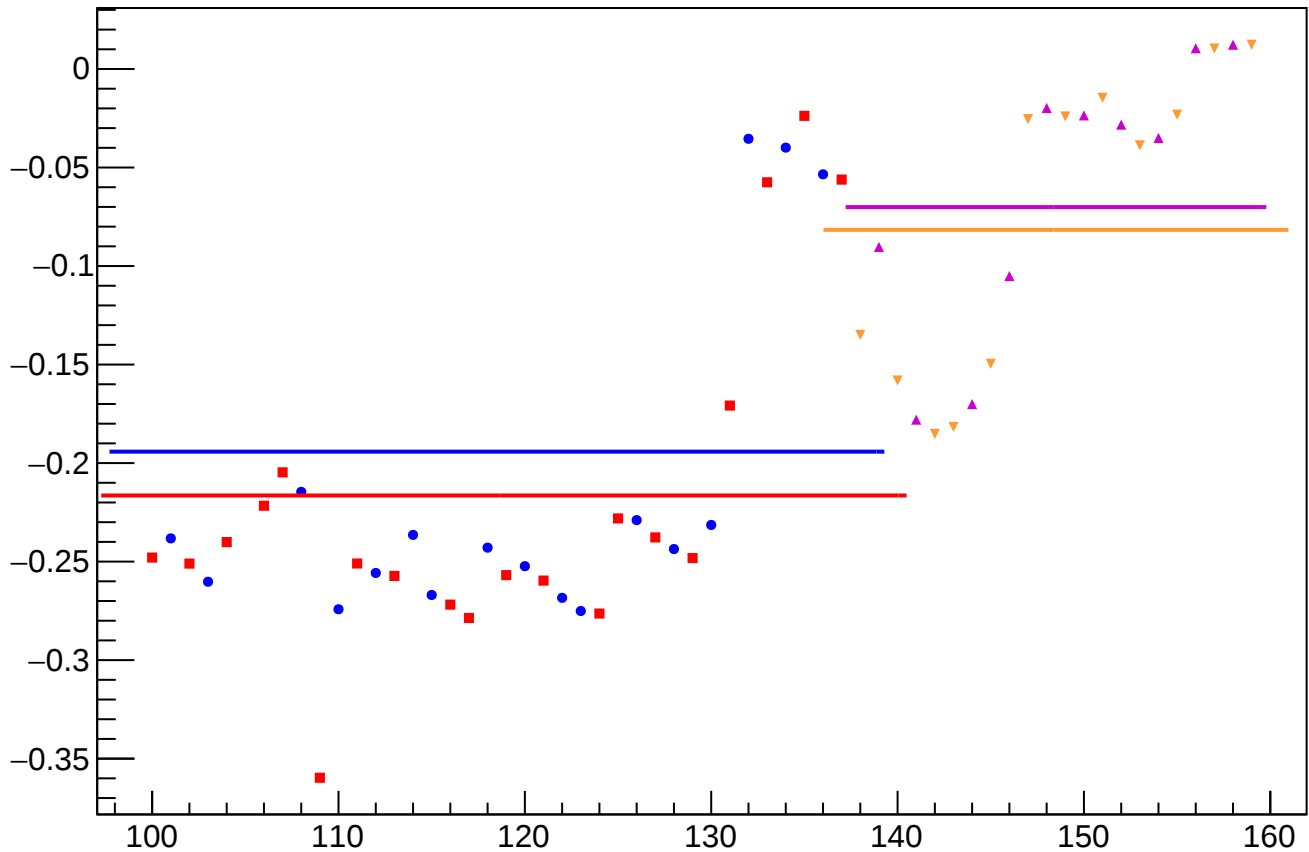
Right Out: 0.015 ± 0.000 χ^2/NDF : 1286513.9/19

Left In: 0.013 ± 0.000 χ^2/NDF : 404763.6/9

0.013 ± 0.000 χ^2/NDF : 2092352.5/28

0.013 ± 0.000 χ^2/NDF : 1859652.5/29

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.082+/-0.000 χ^2/NDF : 103484660.5/11

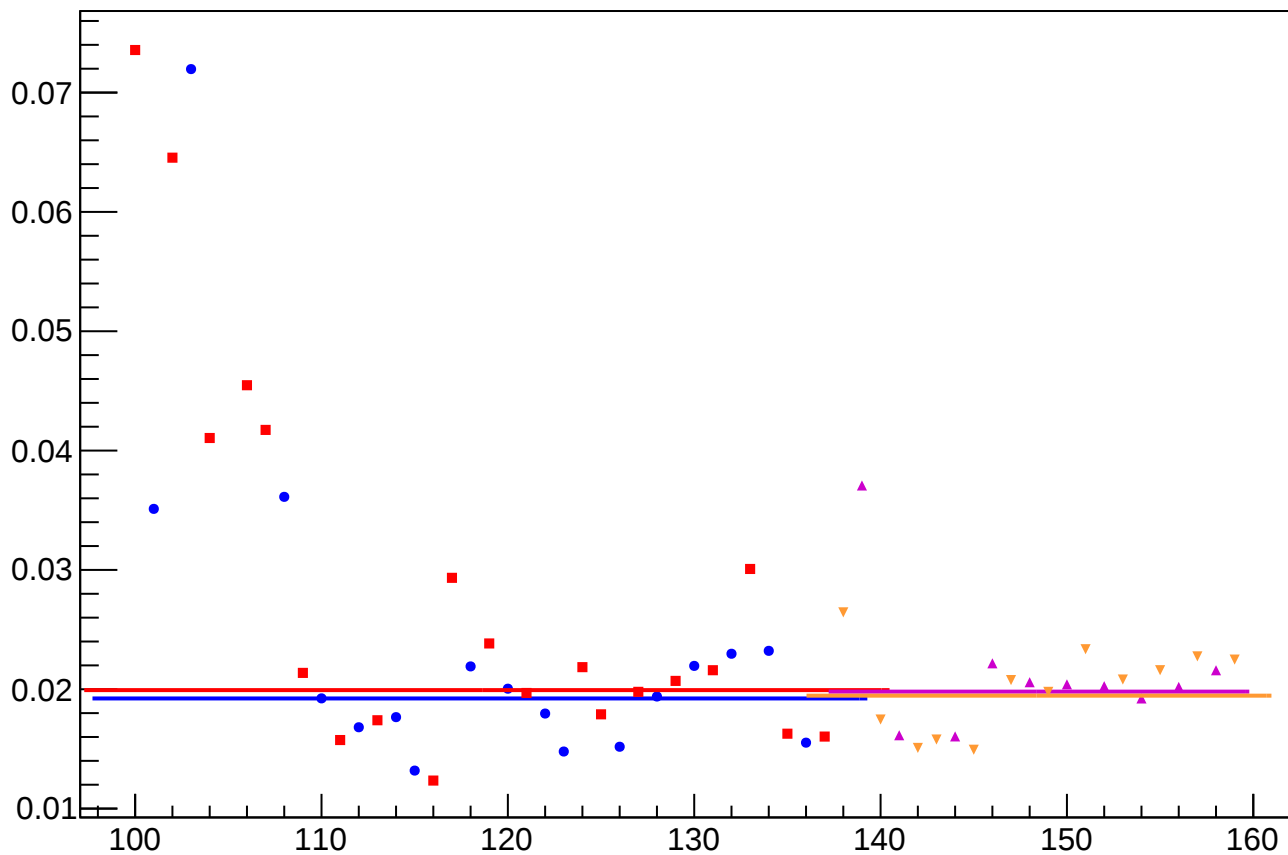
Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

Left In: -0.070+/-0.000 χ^2/NDF : 86060769.1/9

-0.129+/-0.000 χ^2/NDF : 310023552.6/28

-0.135+/-0.000 χ^2/NDF : 353723437.7/29

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.019+/-0.000 χ^2/NDF : 412533.7/11

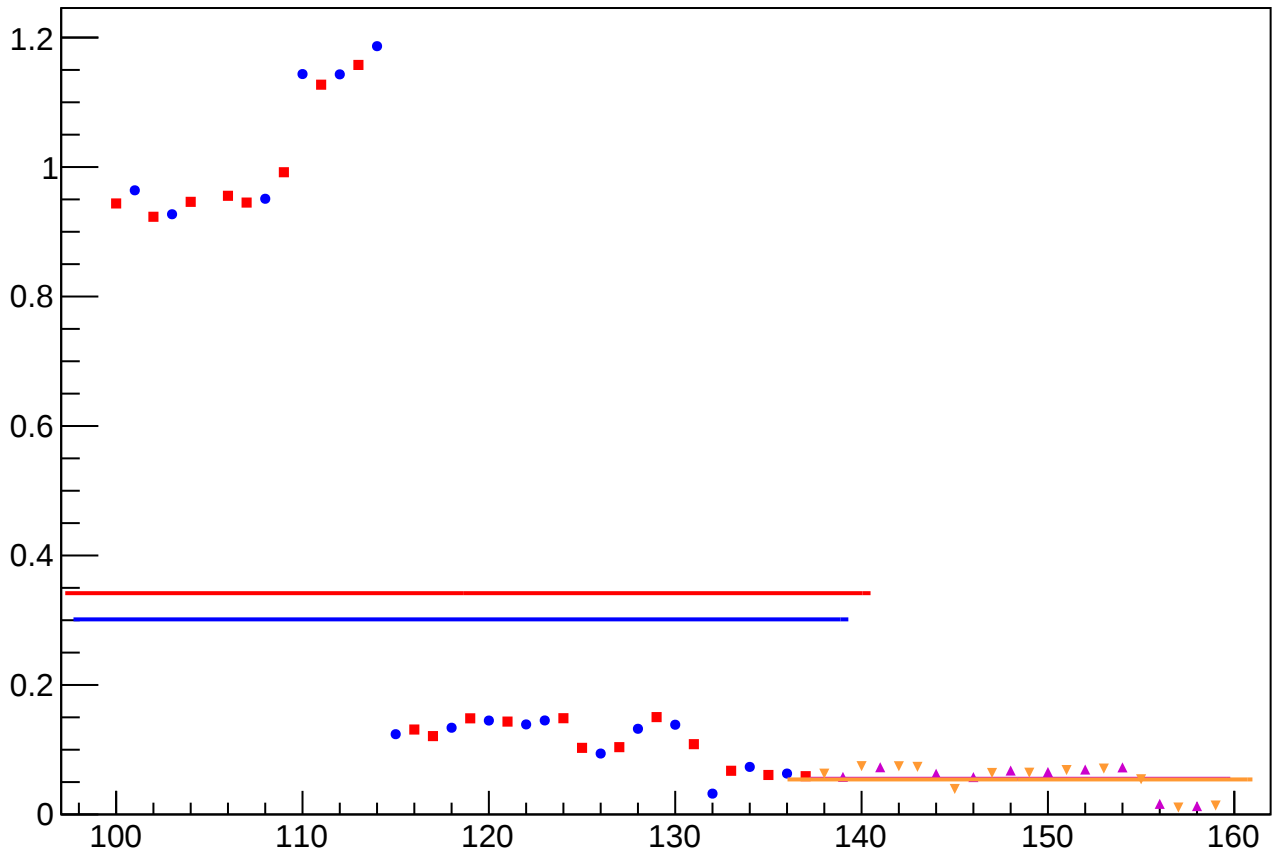
Right Out: 0.020+/-0.000 χ^2/NDF : 1452730.4/19

Left In: 0.020+/-0.000 χ^2/NDF : 471837.5/9

0.019+/-0.000 χ^2/NDF : 1587956.7/28

0.020+/-0.000 χ^2/NDF : 1924804.7/29

yield_bpm4ecY_mean vs Slug



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.054+/-0.000 χ^2/NDF : 34622976.5/11

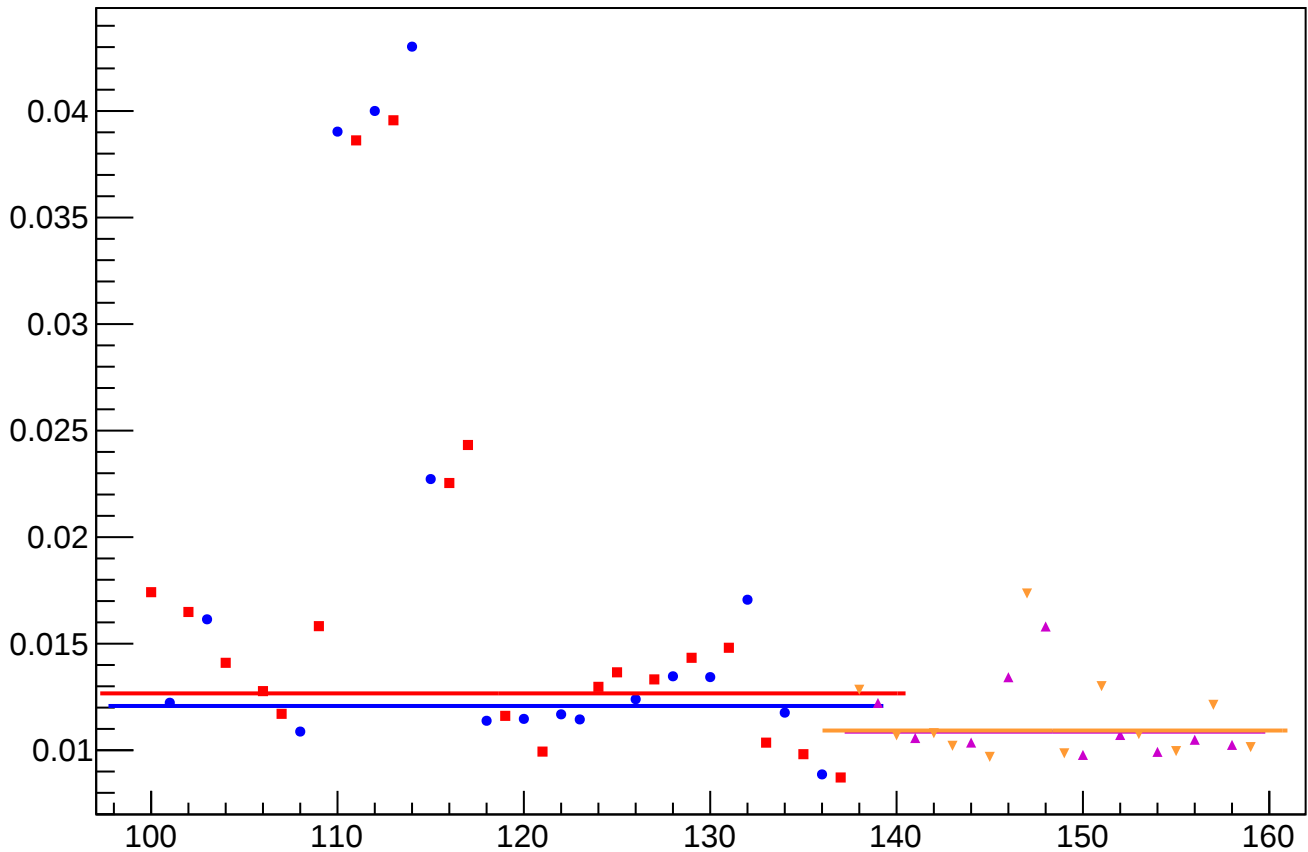
0.141+/-0.000 χ^2/NDF : 6708862266.2/28

Right Out: 0.342+/-0.000 χ^2/NDF : 5445885893.4/19

0.158+/-0.000 χ^2/NDF : 7420206554.0/29

Left In: 0.055+/-0.000 χ^2/NDF : 32464614.1/9

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 362969.6/11

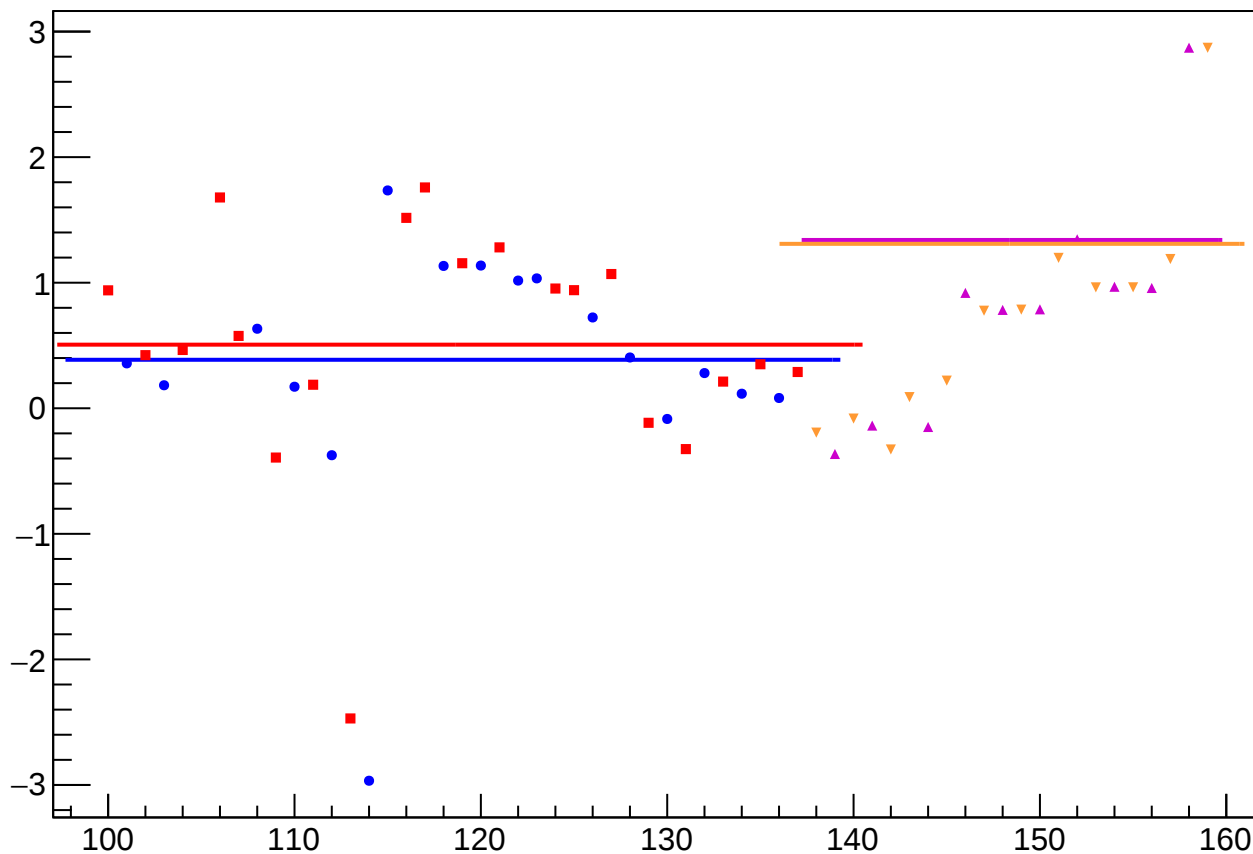
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1253755.7/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 271705.1/9

0.011 $\pm$ 0.000 χ^2 /NDF: 1709313.0/28

0.012 $\pm$ 0.000 χ^2 /NDF: 1678046.6/29

yield_bpm1X_mean vs Slug



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.309+/-0.000 χ^2/NDF :11324121108.0/11

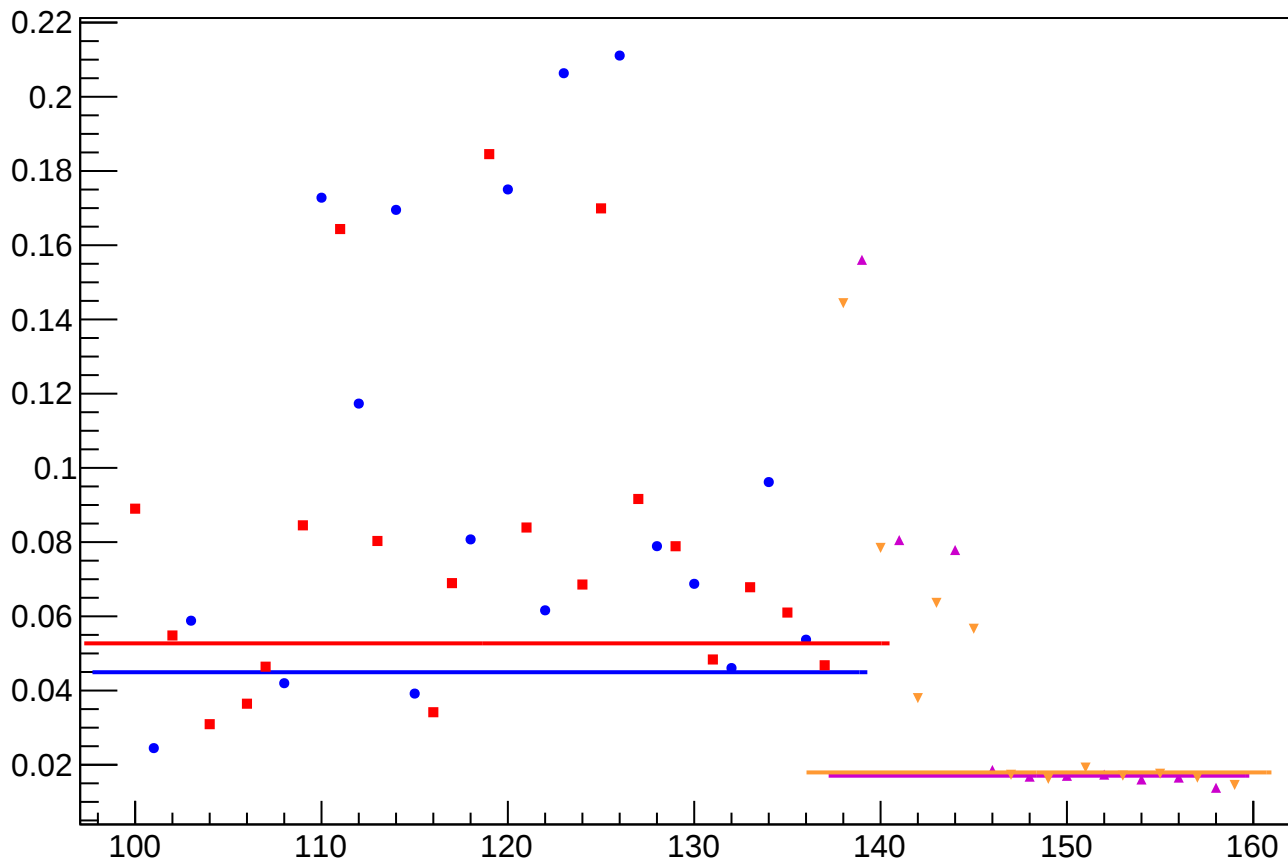
Right Out: 0.507+/-0.000 χ^2/NDF : 995373603.6/19

Left In: 1.340+/-0.000 χ^2/NDF :11974907230.8/9

1.227+/-0.000 χ^2/NDF : 12927407410.2/28

1.278+/-0.000 χ^2/NDF : 13932458101.2/29

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.018+/-0.000 χ^2/NDF : 2656299.0/11

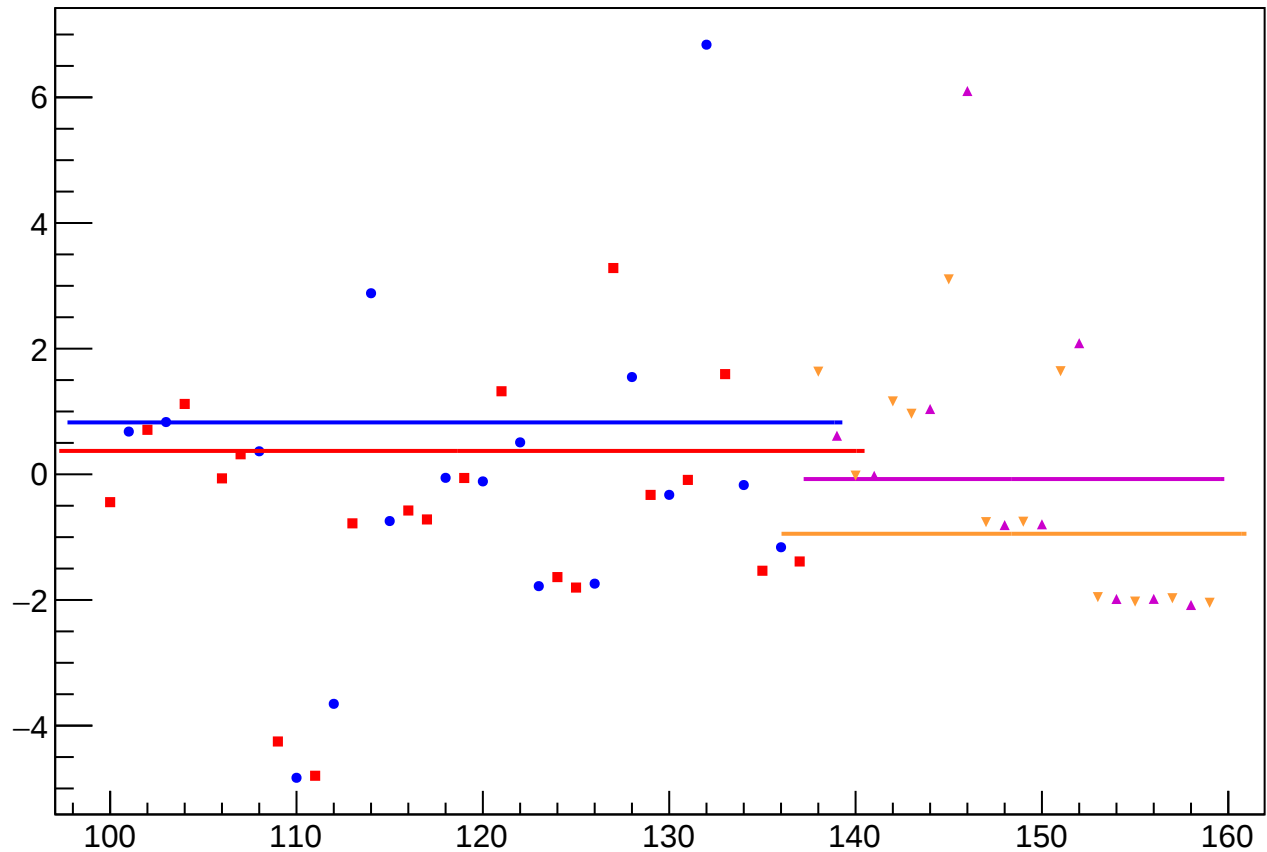
Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

Left In: 0.017+/-0.000 χ^2/NDF : 2347352.5/9

0.020+/-0.000 χ^2/NDF : 7765464.0/28

0.020+/-0.000 χ^2/NDF : 8063247.1/29

yield_bpm1Y_mean vs Slug



Right In: 0.826 ± 0.000 χ^2/NDF : 10945455664.9/16

Left Out: -0.946 ± 0.000 χ^2/NDF : 79971206431.8/11

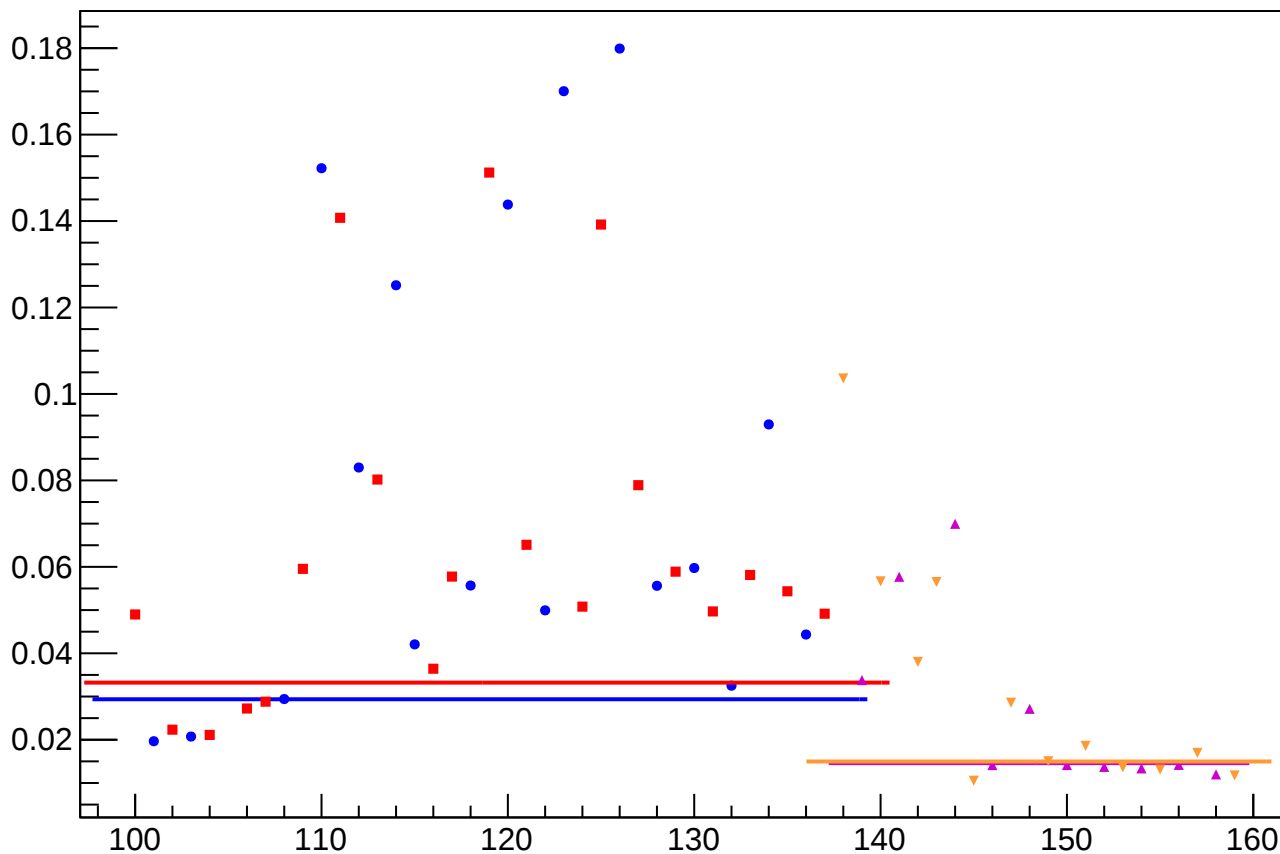
Right Out: 0.372 ± 0.000 χ^2/NDF : 4960201861.0/19

Left In: -0.075 ± 0.000 χ^2/NDF : 207584926368.1/9

-0.720 ± 0.000 χ^2/NDF : 101693752894.5/28

-0.024 ± 0.000 χ^2/NDF : 213167475266.0/29

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.015+/-0.000 χ^2/NDF :2680930.1/11

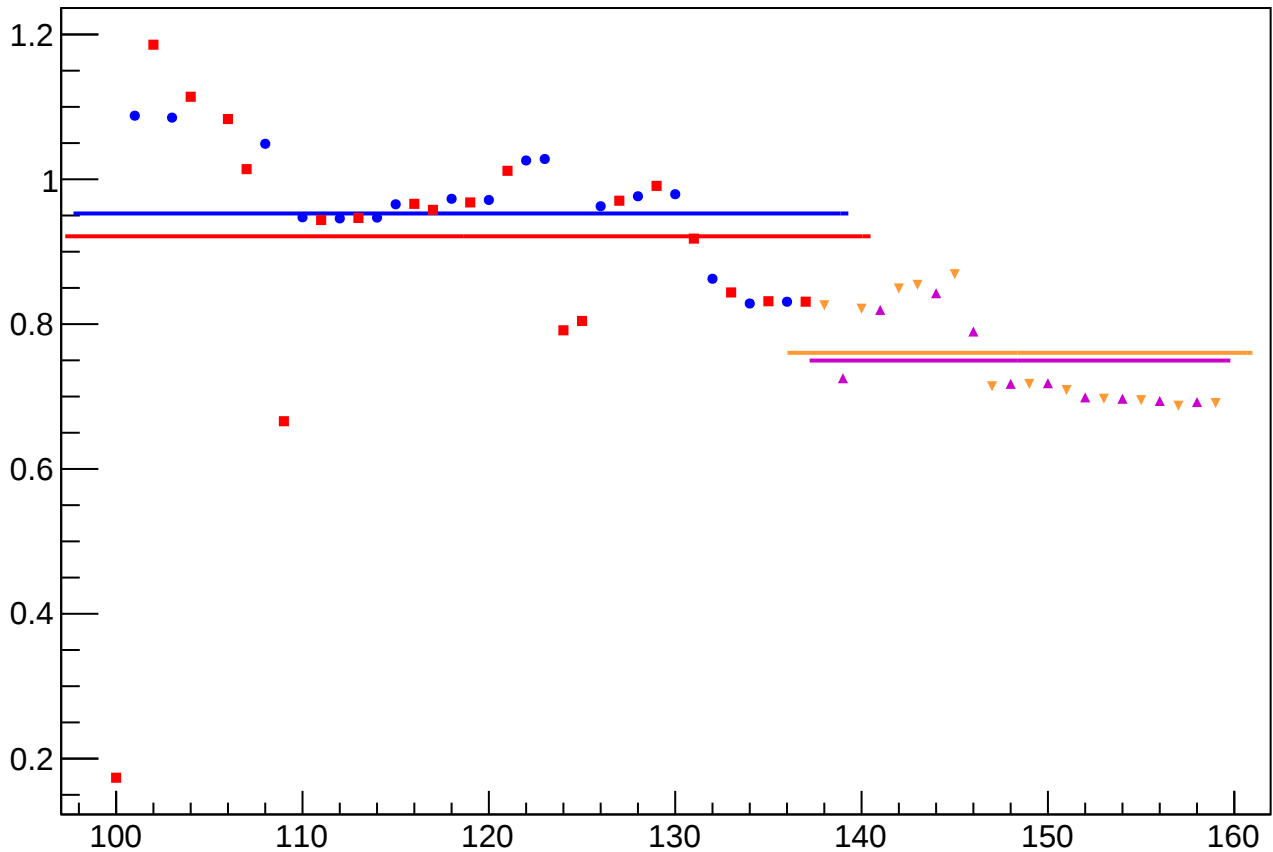
Right Out: 0.033+/-0.000 χ^2/NDF : 3112299.1/19

Left In: 0.015+/-0.000 χ^2/NDF :1772290.0/9

0.017+/-0.000 χ^2/NDF : 7091170.8/28

0.017+/-0.000 χ^2/NDF : 7040665.8/29

yield_bpm11X_mean vs Slug



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.760+/-0.000 χ^2/NDF : 222597222.0/11

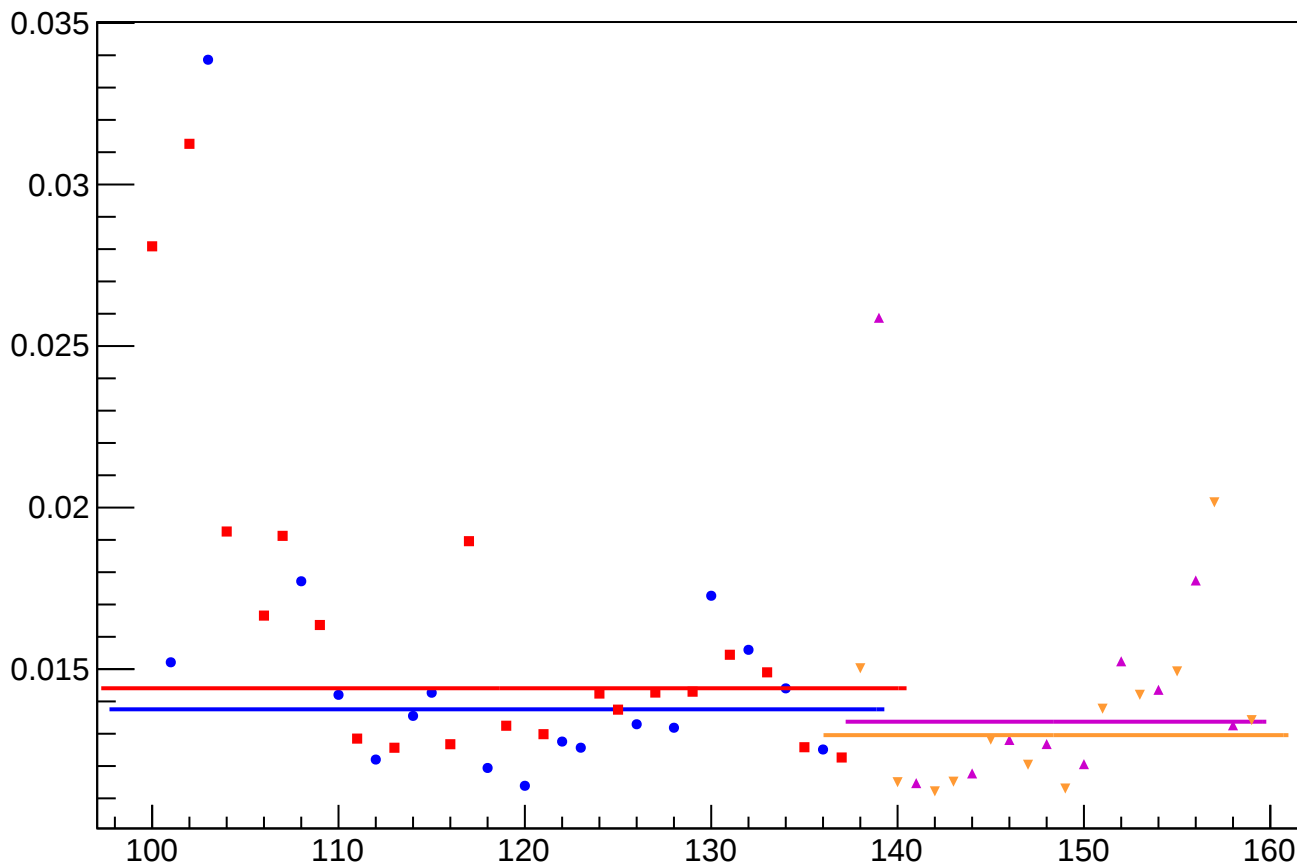
0.838+/-0.000 χ^2/NDF : 1072678242.7/28

Right Out: 0.921+/-0.000 χ^2/NDF : 374306248.8/19

0.823+/-0.000 χ^2/NDF : 1003086588.5/29

Left In: 0.750+/-0.000 χ^2/NDF : 131087543.8/9

yield_bpm11X_rms vs Slug



Right In: 0.014 ± 0.000 χ^2/NDF : 538469.4/16

Left Out: 0.013 ± 0.000 χ^2/NDF : 313127.8/11

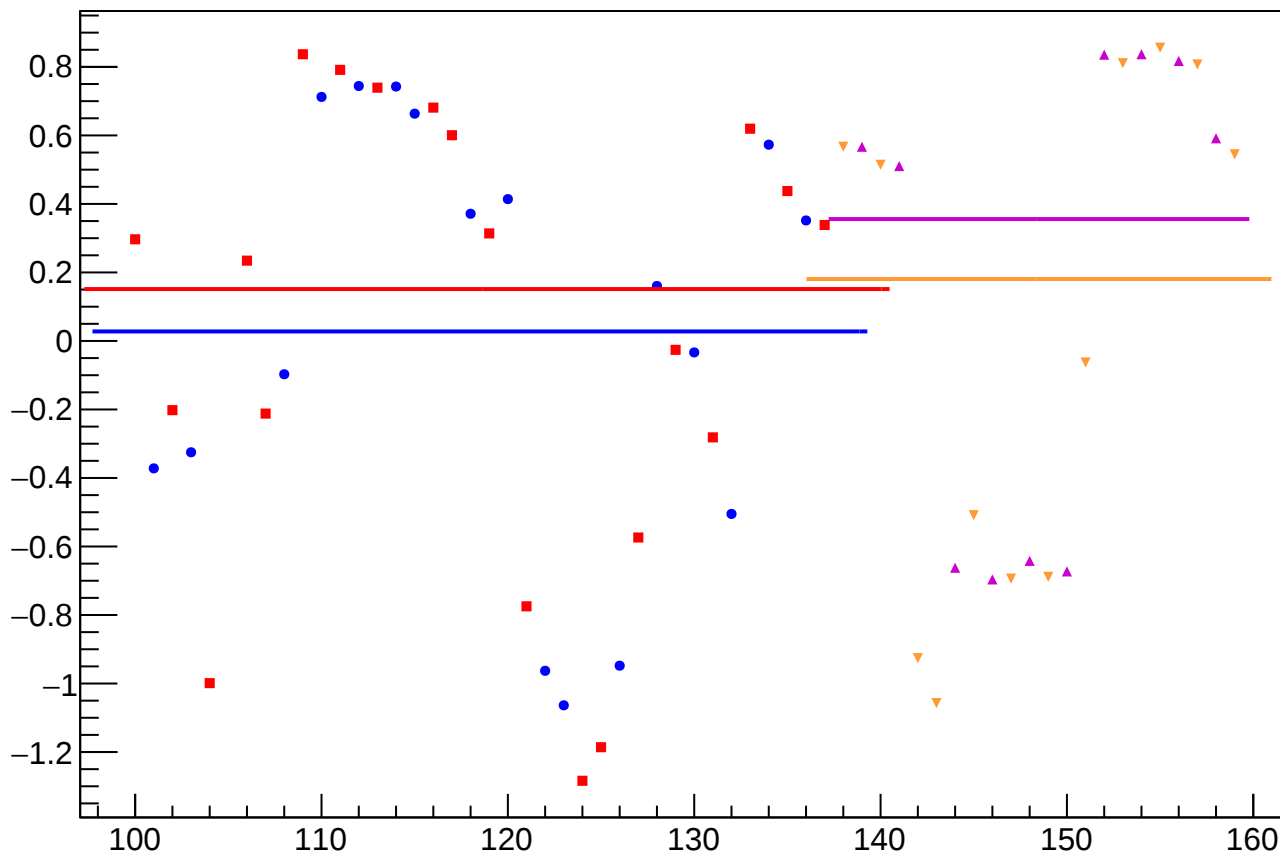
Right Out: 0.014 ± 0.000 χ^2/NDF : 508622.9/19

Left In: 0.013 ± 0.000 χ^2/NDF : 531935.4/9

0.013 ± 0.000 χ^2/NDF : 874875.7/28

0.014 ± 0.000 χ^2/NDF : 1076805.3/29

yield_bpm11Y_mean vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6276955529.7/16

Left Out: 0.181 $\pm$ 0.000 χ^2 /NDF:23127901565.4/11

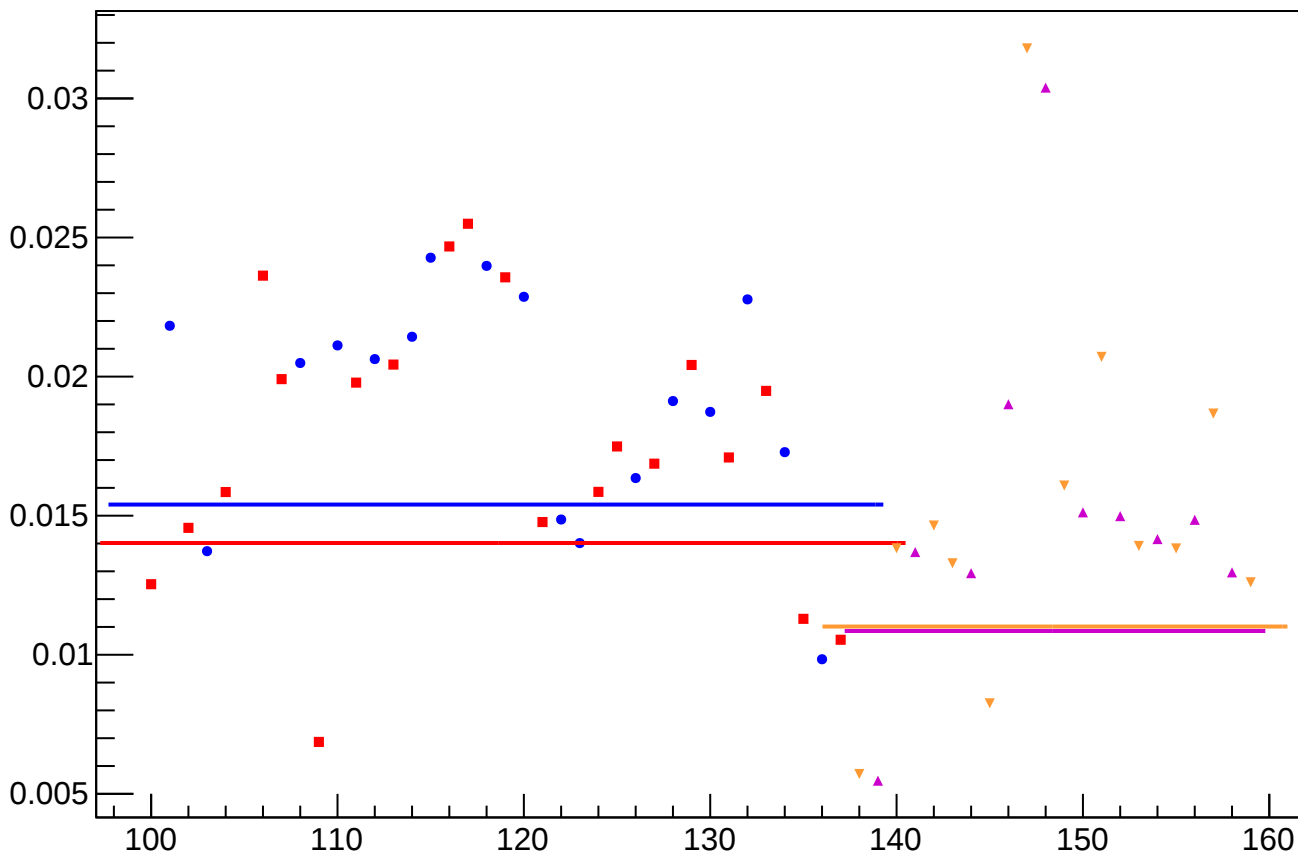
Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12665480117.0/19

Left In: 0.356 $\pm$ 0.000 χ^2 /NDF:15880442887.1/9

0.136 $\pm$ 0.000 χ^2 /NDF: 29795830404.2/28

0.285 $\pm$ 0.000 χ^2 /NDF: 29326342844.4/29

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.011+/-0.000 χ^2/NDF : 2806679.7/11

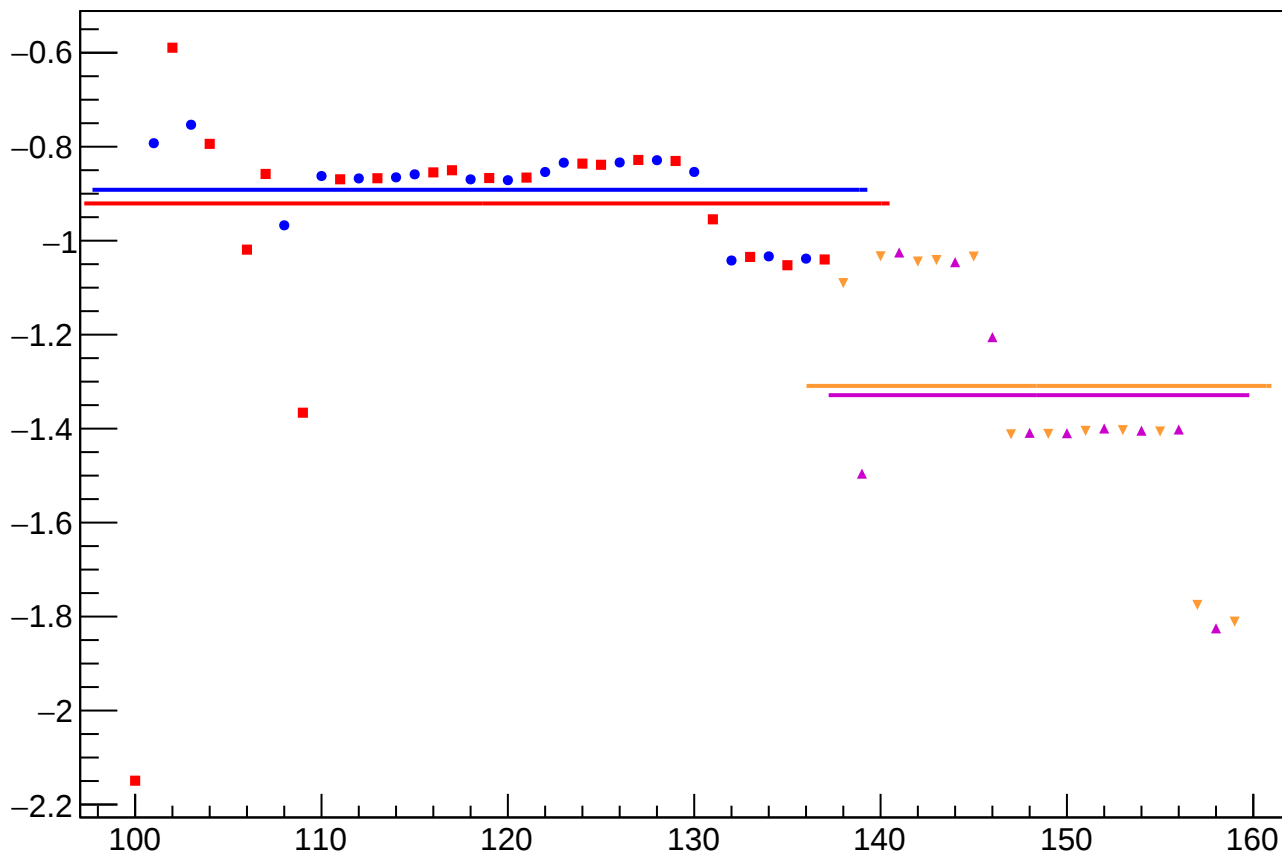
Right Out: 0.014+/-0.000 χ^2/NDF : 1576882.7/19

Left In: 0.011+/-0.000 χ^2/NDF : 2797944.4/9

0.012+/-0.000 χ^2/NDF : 4590558.6/28

0.012+/-0.000 χ^2/NDF : 4748930.4/29

yield_bpm12X_mean vs Slug



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.309+/-0.000 χ^2/NDF : 434721998.2/11

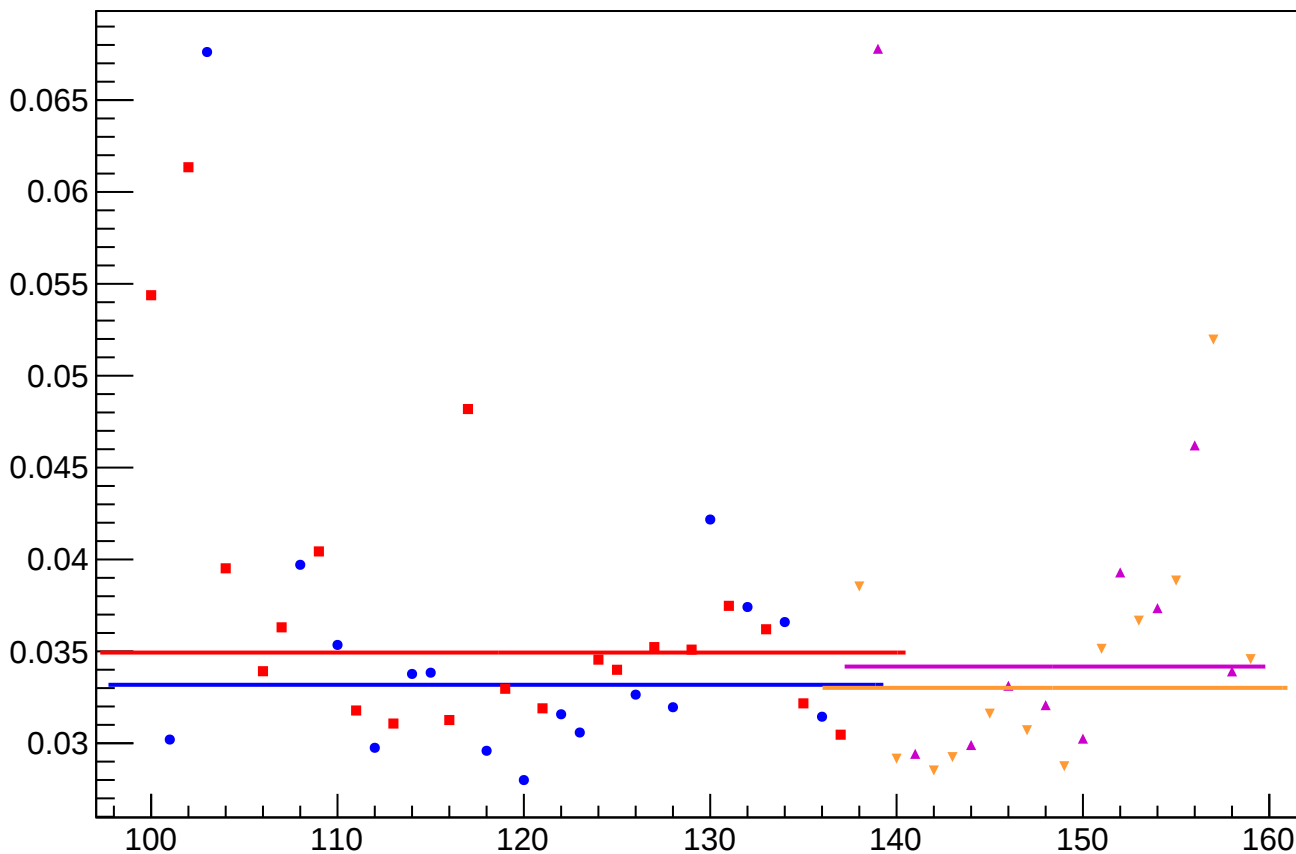
Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

Left In: -1.329+/-0.000 χ^2/NDF : 331256746.9/9

-1.129+/-0.000 χ^2/NDF : 996492061.9/28

-1.143+/-0.000 χ^2/NDF : 921265737.0/29

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.033+/-0.000 χ^2/NDF :337454.3/11

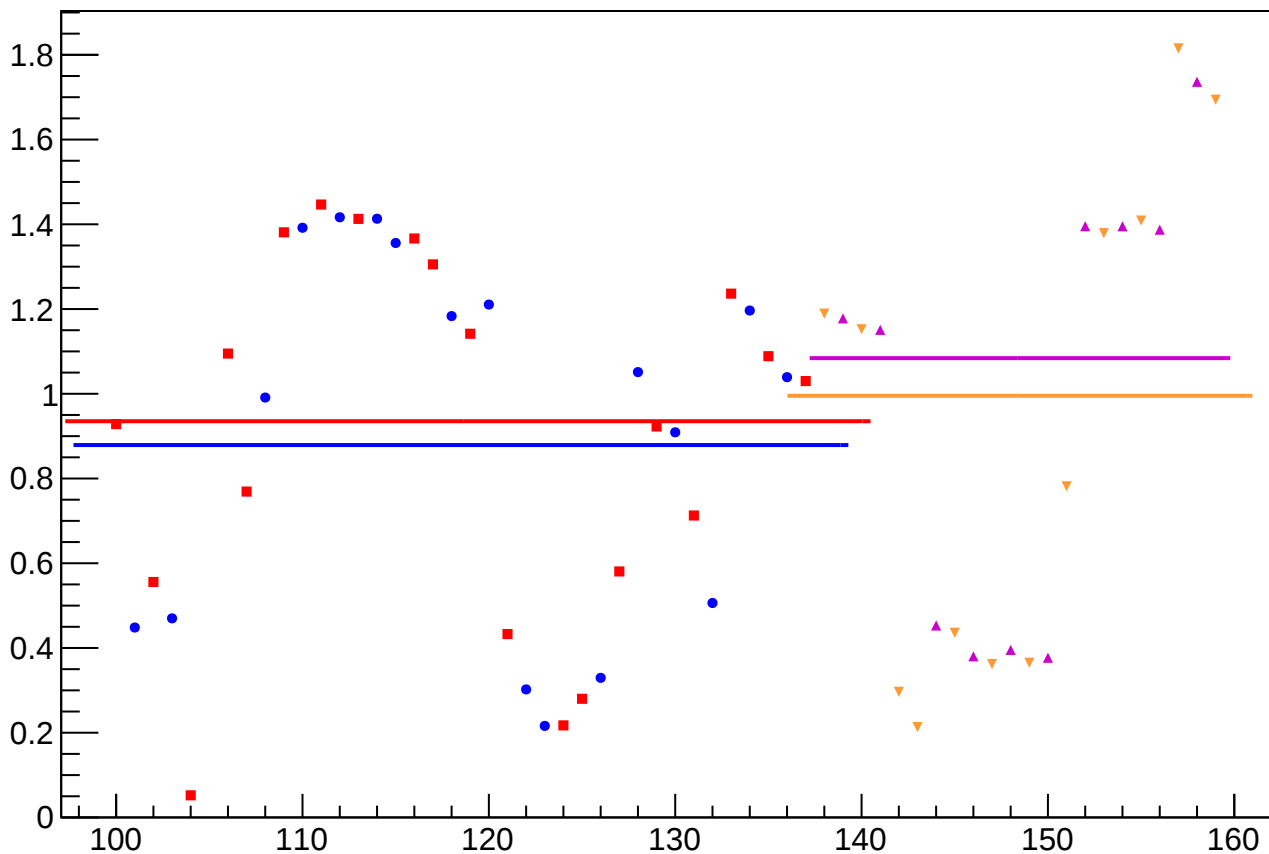
Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

Left In: 0.034+/-0.000 χ^2/NDF :573363.2/9

0.033+/-0.000 χ^2/NDF : 737726.2/28

0.035+/-0.000 χ^2/NDF : 857823.5/29

yield_bpm12Y_mean vs Slug



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.995+/-0.000 χ^2/NDF : 27782343770.6/11

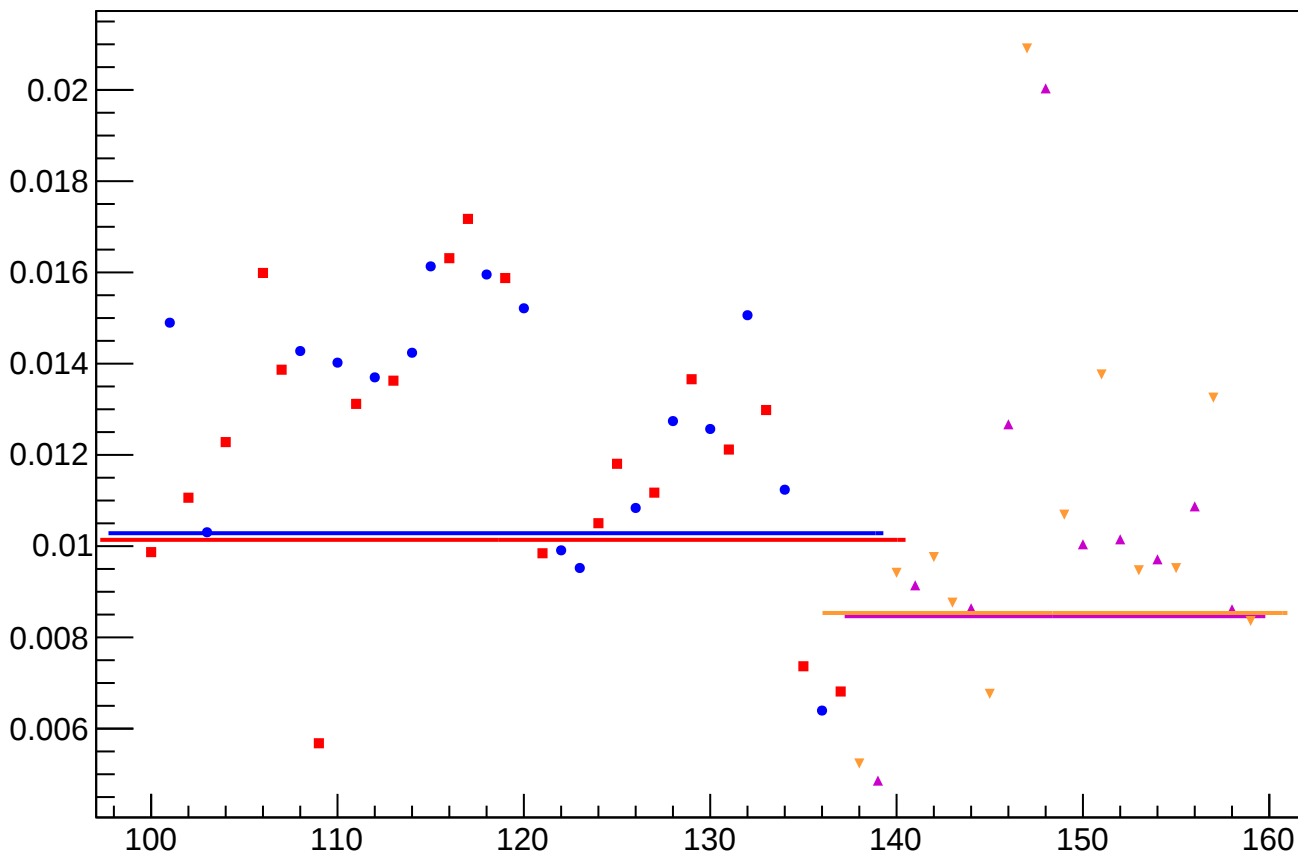
Right Out: 0.935+/-0.000 χ^2/NDF : 9844960466.1/19

Left In: 1.084+/-0.000 χ^2/NDF : 18786151713.4/9

0.957+/-0.000 χ^2/NDF : 34627896593.1/28

1.029+/-0.000 χ^2/NDF : 29430132422.1/29

yield_bpm12Y_rms vs Slug



Right In: 0.010 ± 0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.009 ± 0.000 χ^2/NDF : 1652426.3/11

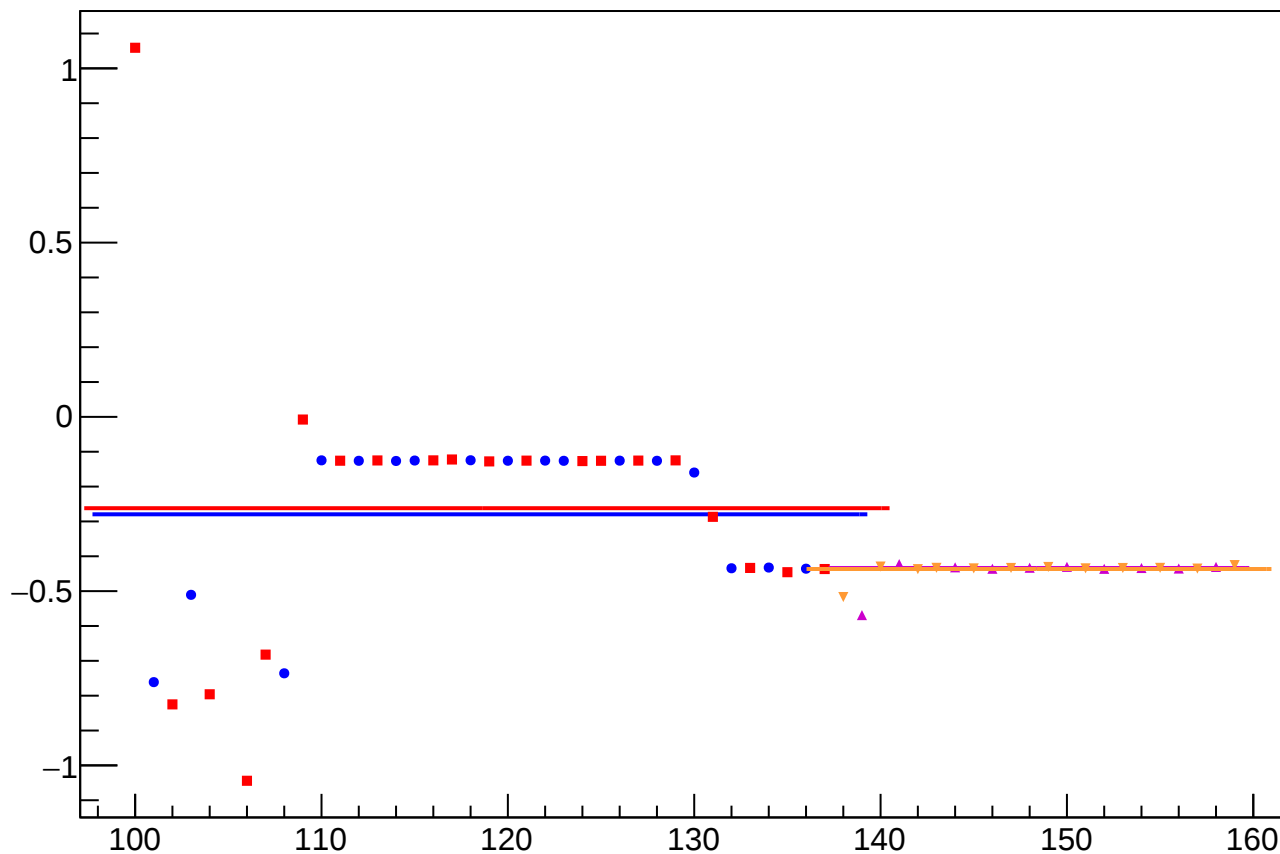
Right Out: 0.010 ± 0.000 χ^2/NDF : 1189529.0/19

Left In: 0.008 ± 0.000 χ^2/NDF : 1607782.0/9

0.009 ± 0.000 χ^2/NDF : 3073993.9/28

0.009 ± 0.000 χ^2/NDF : 2999209.9/29

yield_bpm16X_mean vs Slug



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.436 ± 0.000 χ^2/NDF : 25403158.5/11

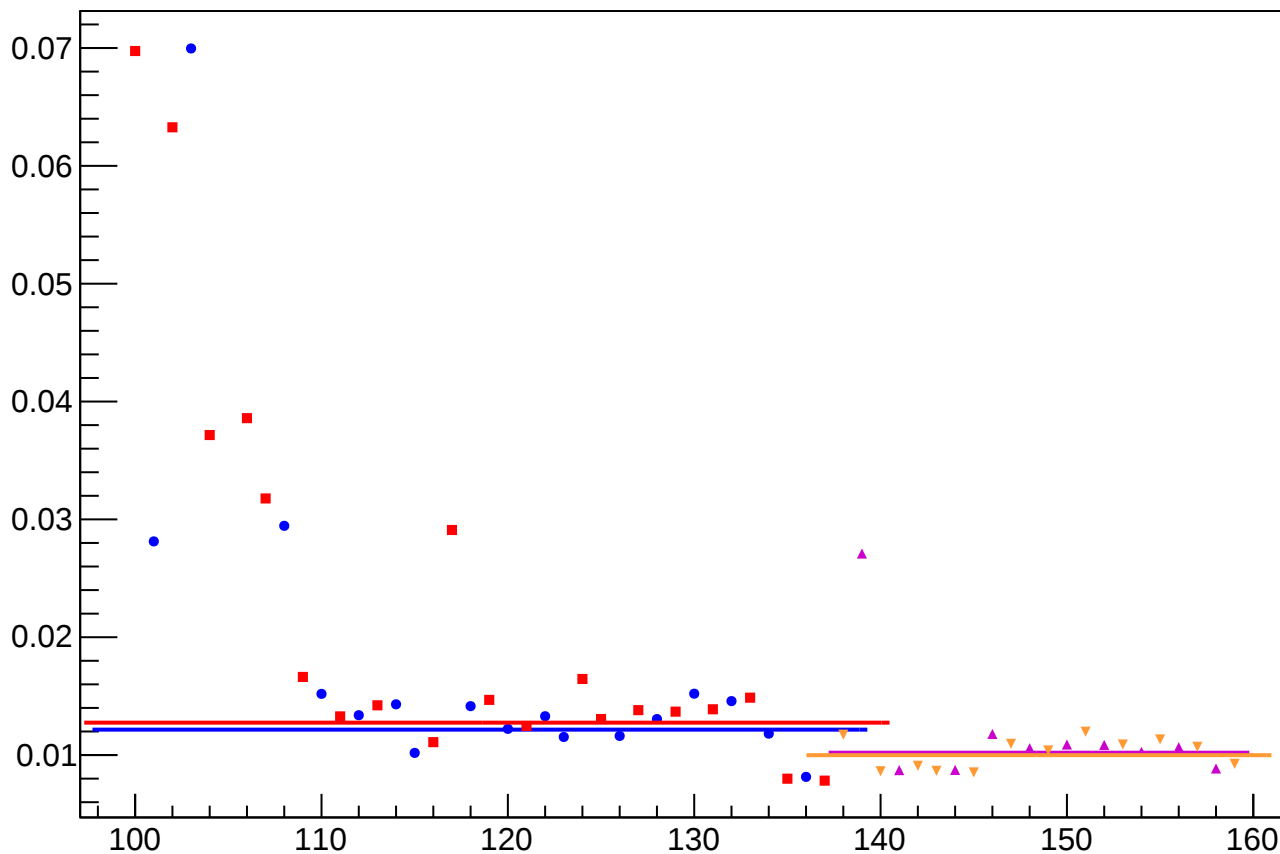
Right Out: -0.262 ± 0.000 χ^2/NDF : 1007161741.8/19

Left In: -0.434 ± 0.000 χ^2/NDF : 18967404.5/9

-0.389 ± 0.000 χ^2/NDF : 1495621891.0/28

-0.379 ± 0.000 χ^2/NDF : 1623747594.7/29

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.010+/-0.000 χ^2/NDF : 210191.3/11

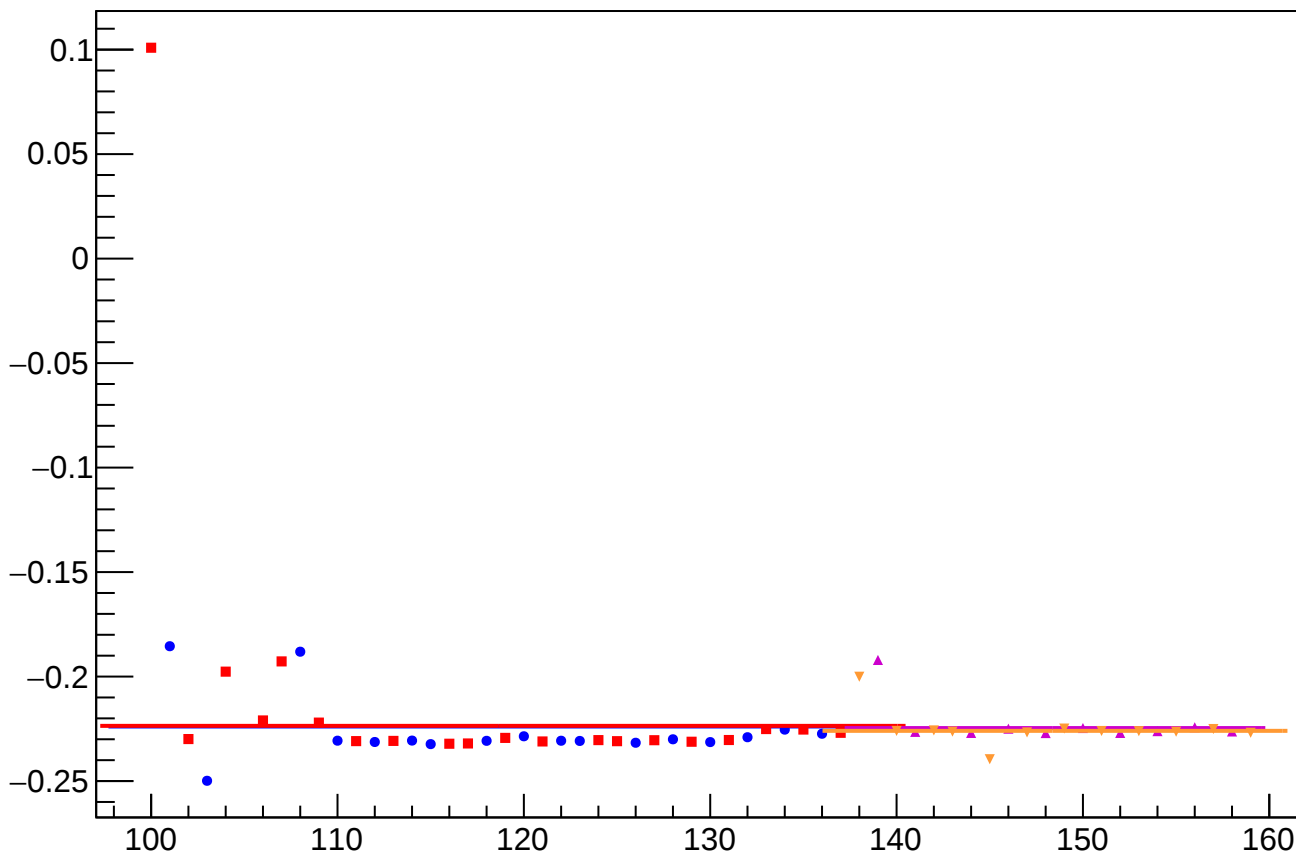
Right Out: 0.013+/-0.000 χ^2/NDF : 1991972.4/19

Left In: 0.010+/-0.000 χ^2/NDF : 698809.9/9

0.011+/-0.000 χ^2/NDF : 2139425.4/28

0.011+/-0.000 χ^2/NDF : 2954971.9/29

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20563288.2/11

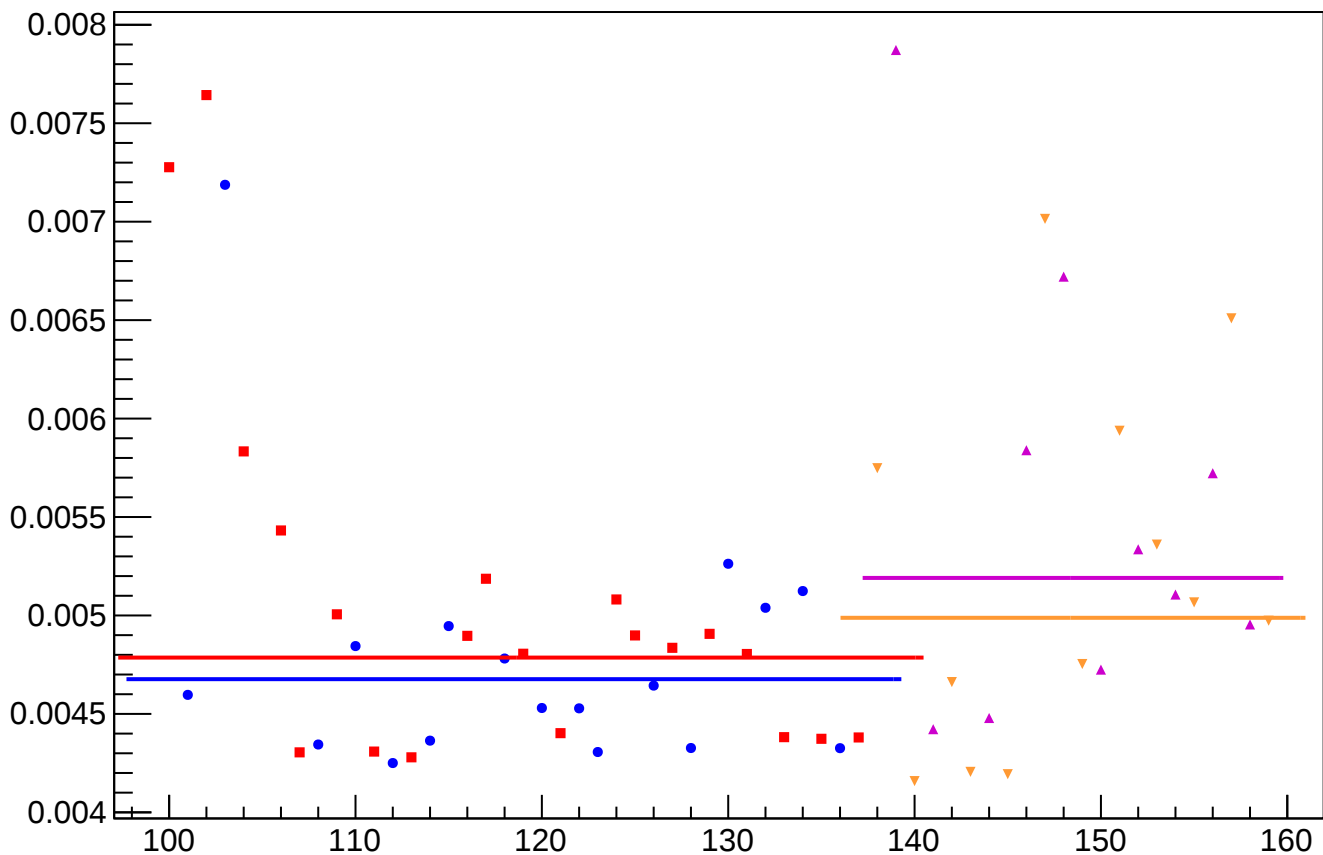
Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

Left In: -0.225+/-0.000 χ^2/NDF : 12524576.3/9

-0.225+/-0.000 χ^2/NDF : 95811398.4/28

-0.224+/-0.000 χ^2/NDF : 180911062.6/29

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 424101.4/11

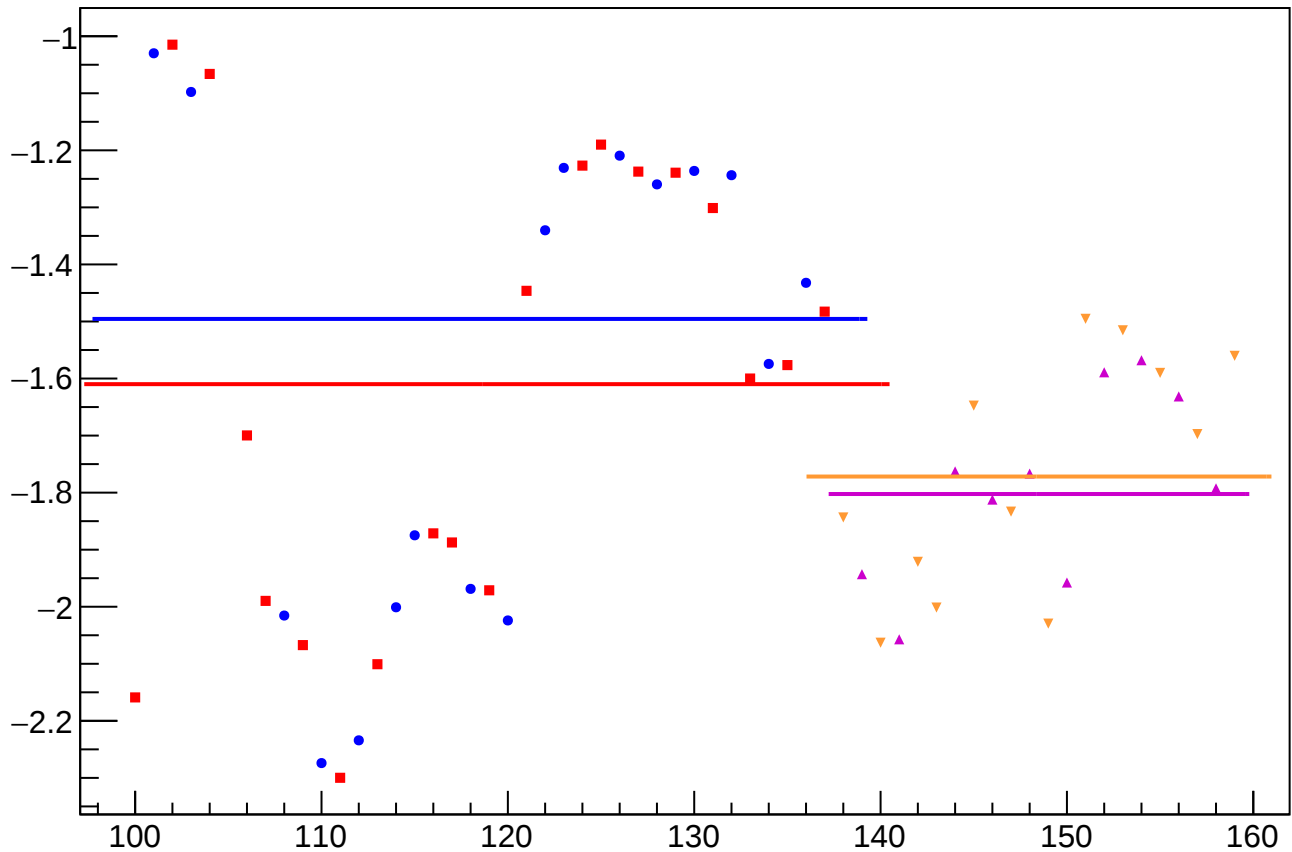
Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 376804.8/9

0.005+/-0.000 χ^2/NDF : 633802.2/28

0.005+/-0.000 χ^2/NDF : 671411.2/29

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.772+/-0.000 χ^2/NDF : 9619469586.2/11

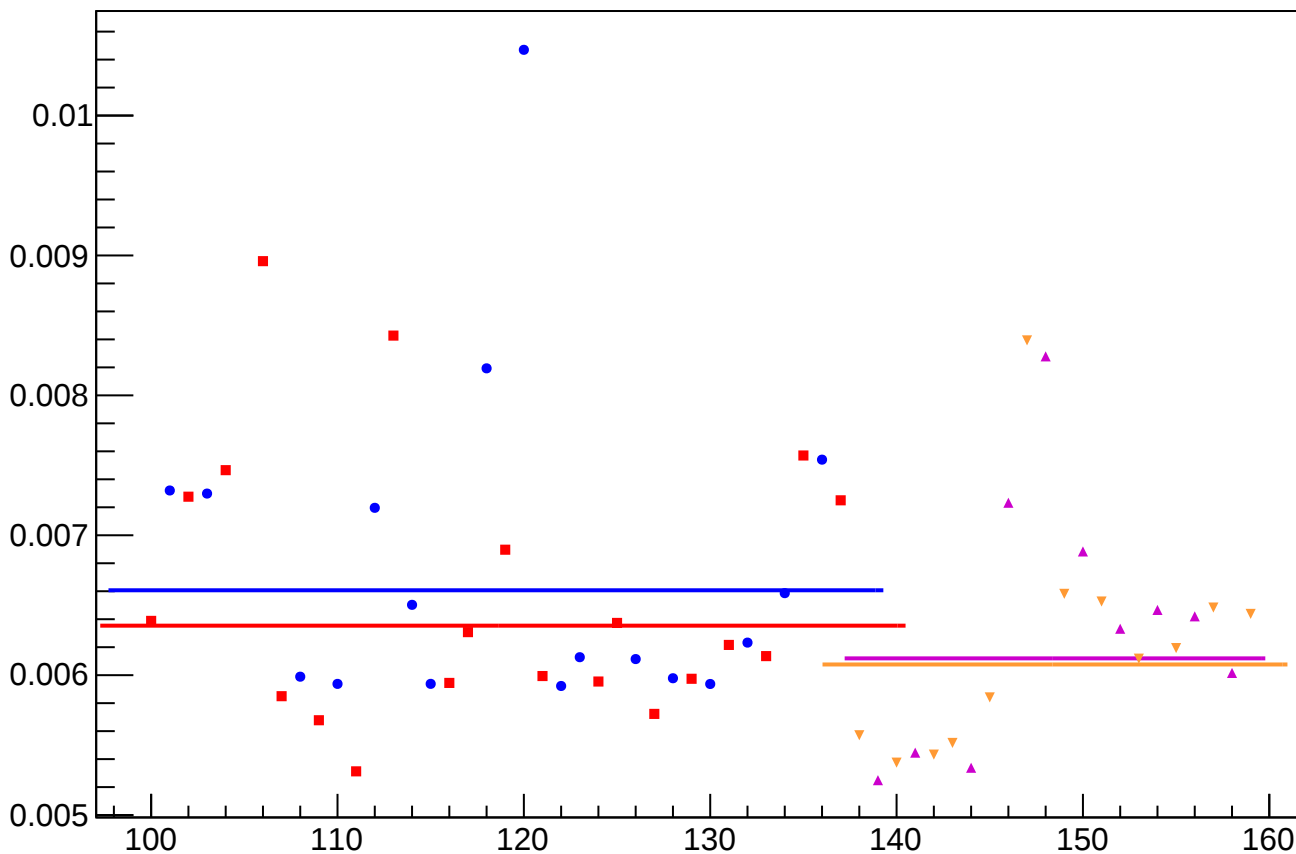
-1.667+/-0.000 χ^2/NDF : 38699798951.9/28

Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

-1.716+/-0.000 χ^2/NDF : 36520320057.6/29

Left In: -1.802+/-0.000 χ^2/NDF : 5232077946.9/9

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF :198735.3/11

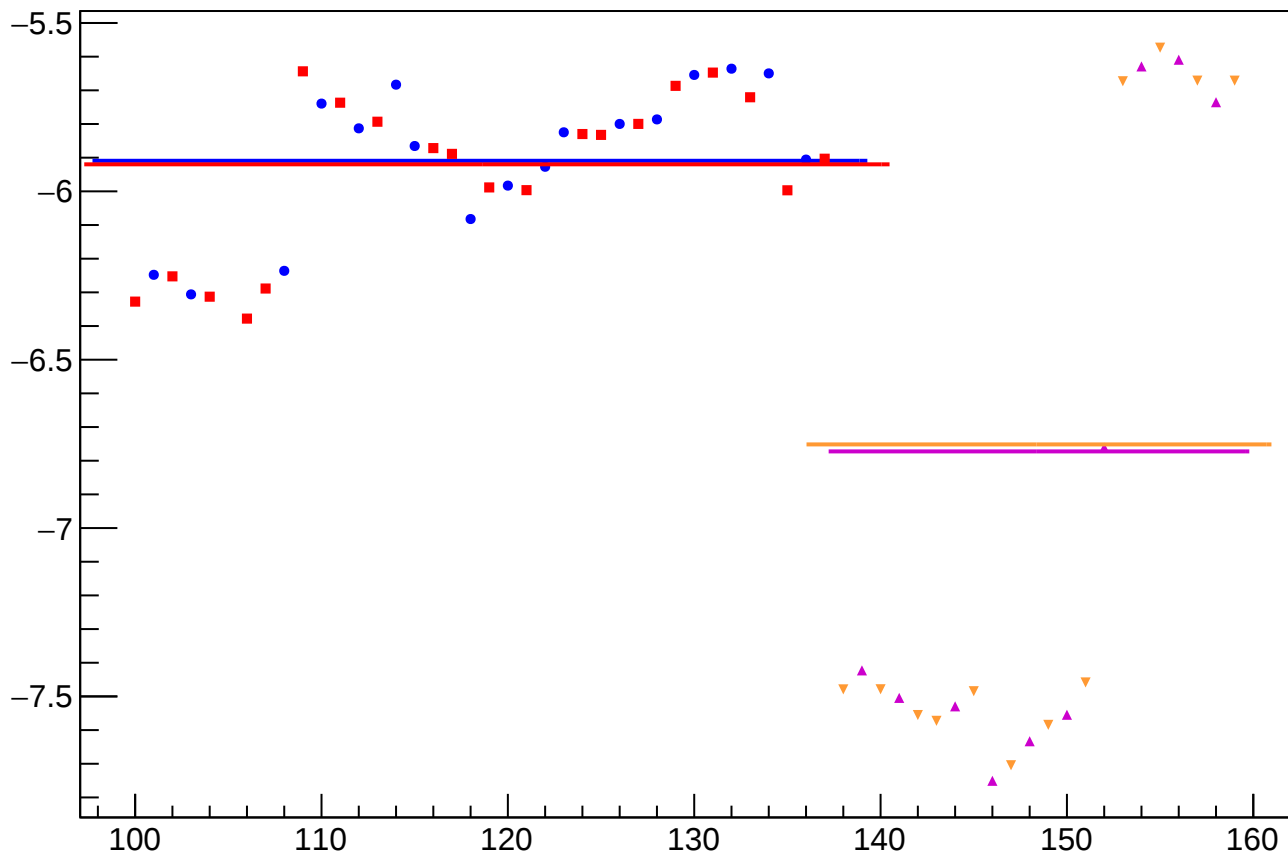
Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

Left In: 0.006+/-0.000 χ^2/NDF :259125.1/9

0.006+/-0.000 χ^2/NDF : 448508.3/28

0.006+/-0.000 χ^2/NDF : 496302.7/29

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.752+/-0.000 χ^2/NDF : 101000655767.6/11

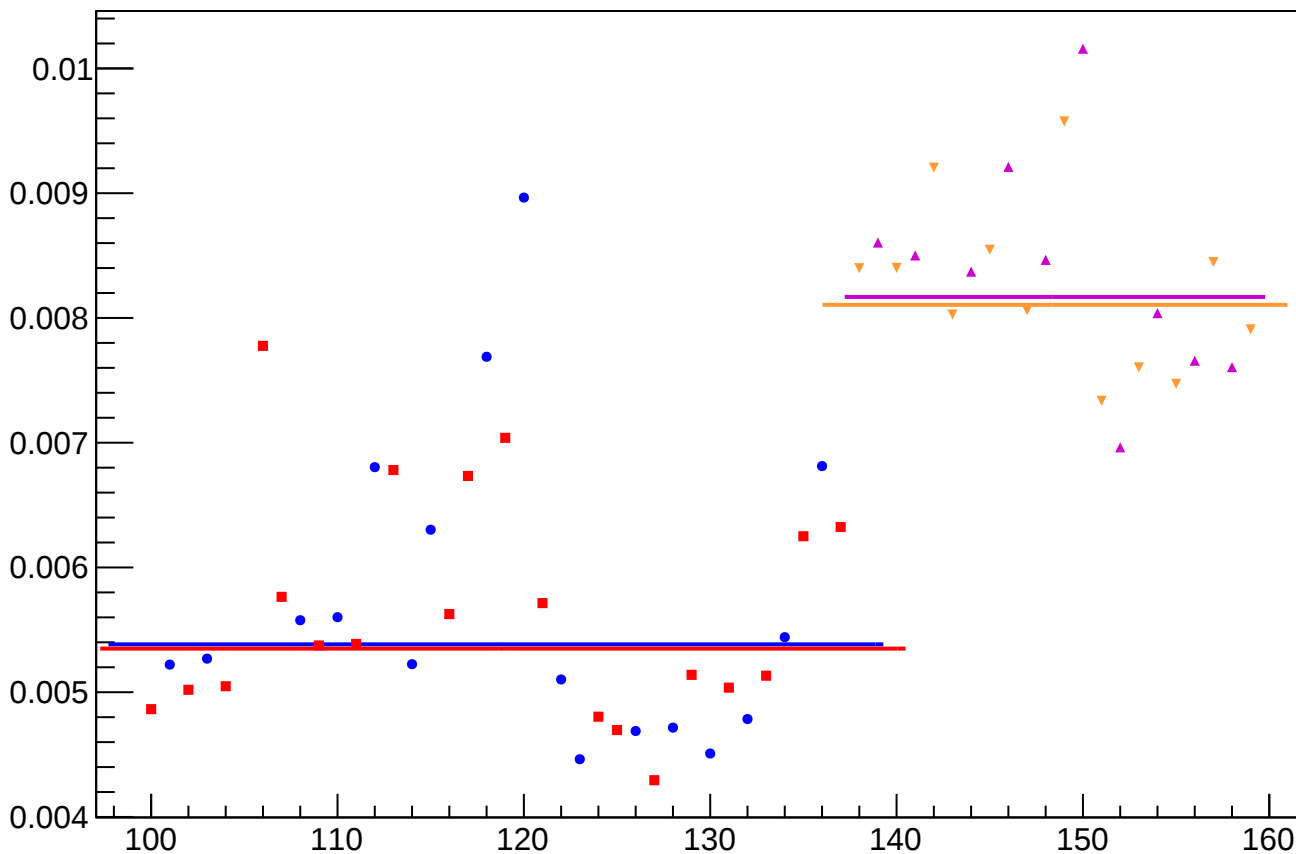
Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

Left In: -6.772+/-0.000 χ^2/NDF : 80044716605.7/9

-6.216+/-0.000 χ^2/NDF : 164347329949.7/28

-6.194+/-0.000 χ^2/NDF : 145086258958.1/29

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :83247.2/11

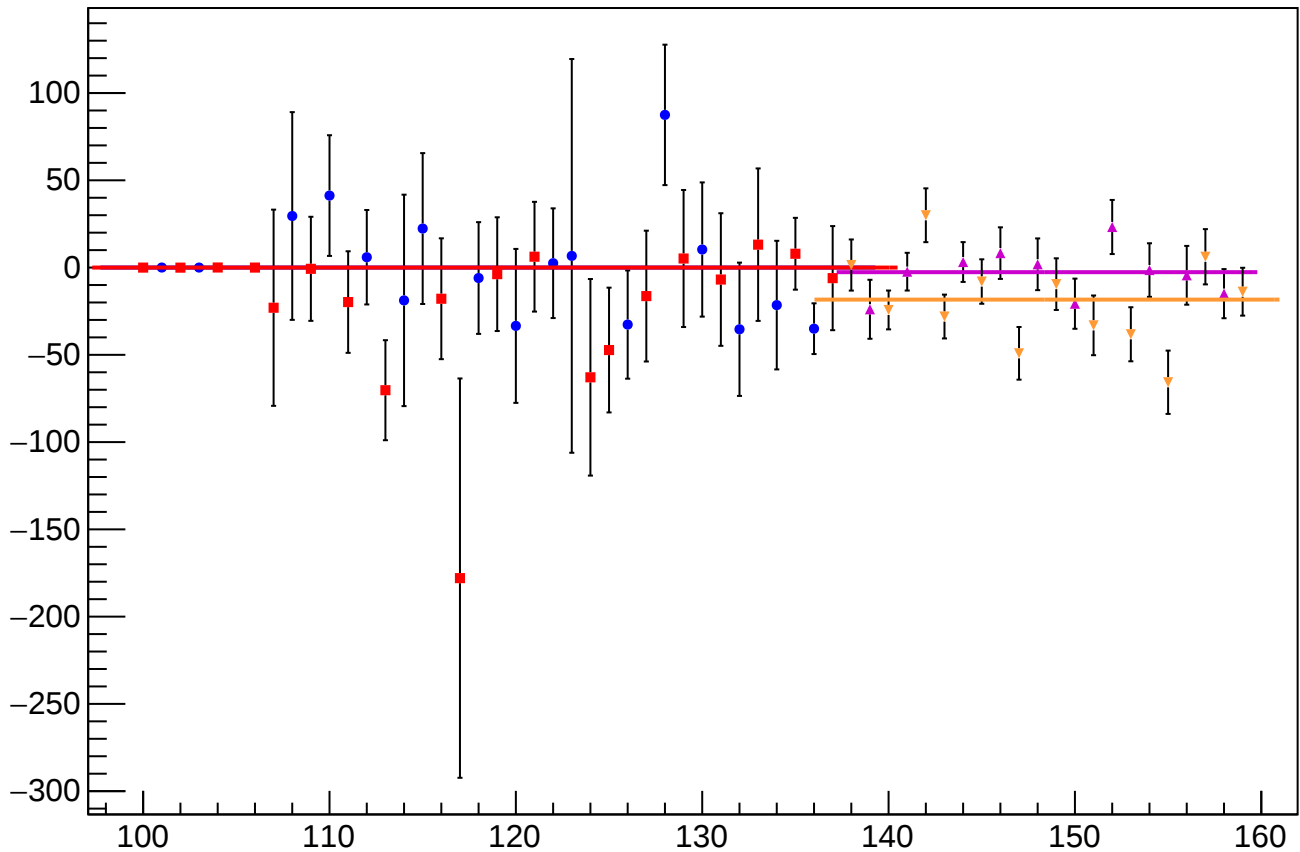
Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

Left In: 0.008+/-0.000 χ^2/NDF :139467.2/9

0.006+/-0.000 χ^2/NDF : 1521083.2/28

0.006+/-0.000 χ^2/NDF : 1529907.7/29

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -18.352 ± 4.139 χ^2/NDF : 29.4/11

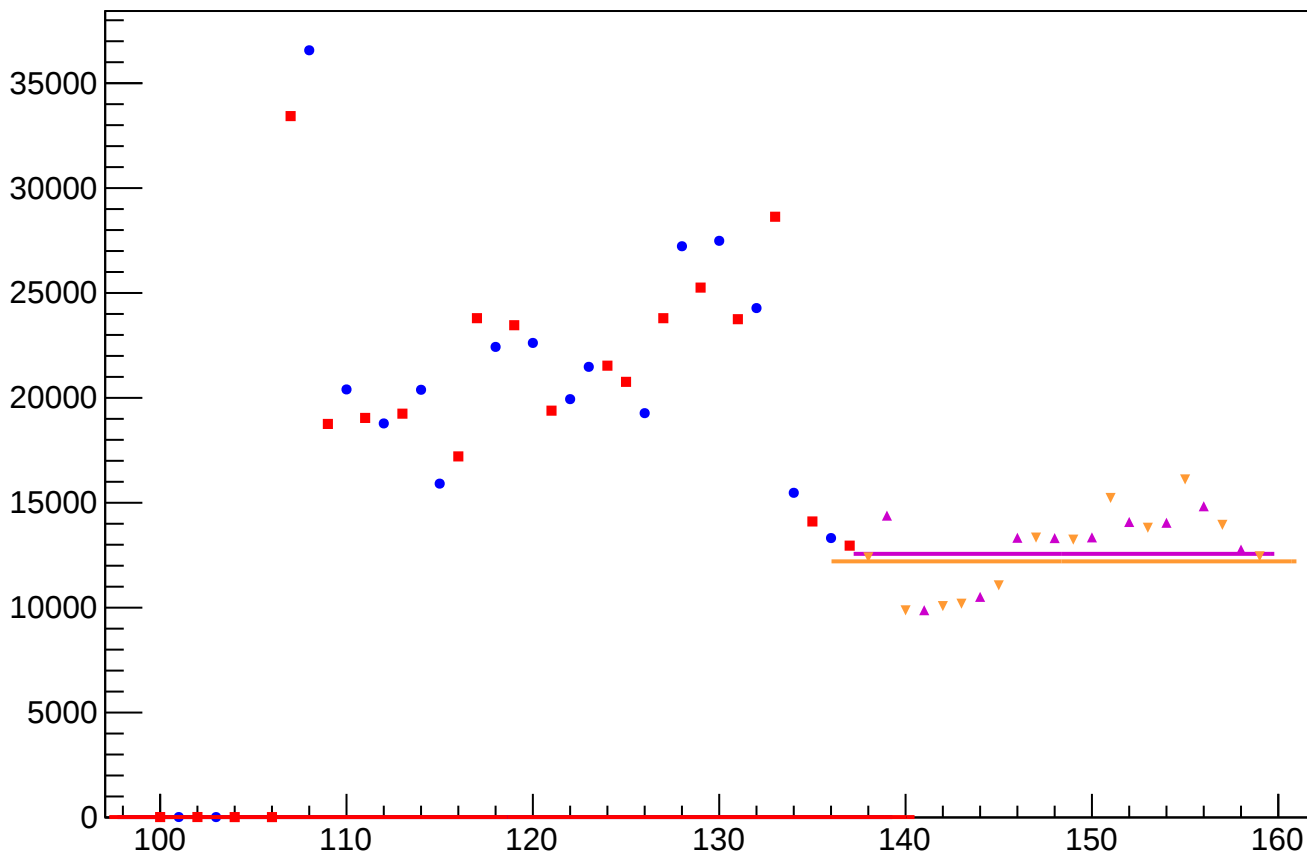
Right Out: 0.003 ± 0.016 χ^2/NDF : 17.7/19

Left In: -2.633 ± 4.441 χ^2/NDF : 7.6/9

0.013 ± 0.017 χ^2/NDF : 64.9/28

0.003 ± 0.016 χ^2/NDF : 25.7/29

diff_cav4bX_rms vs Slug



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12207.208+/-2.927 χ^2/NDF : 417104.4/11

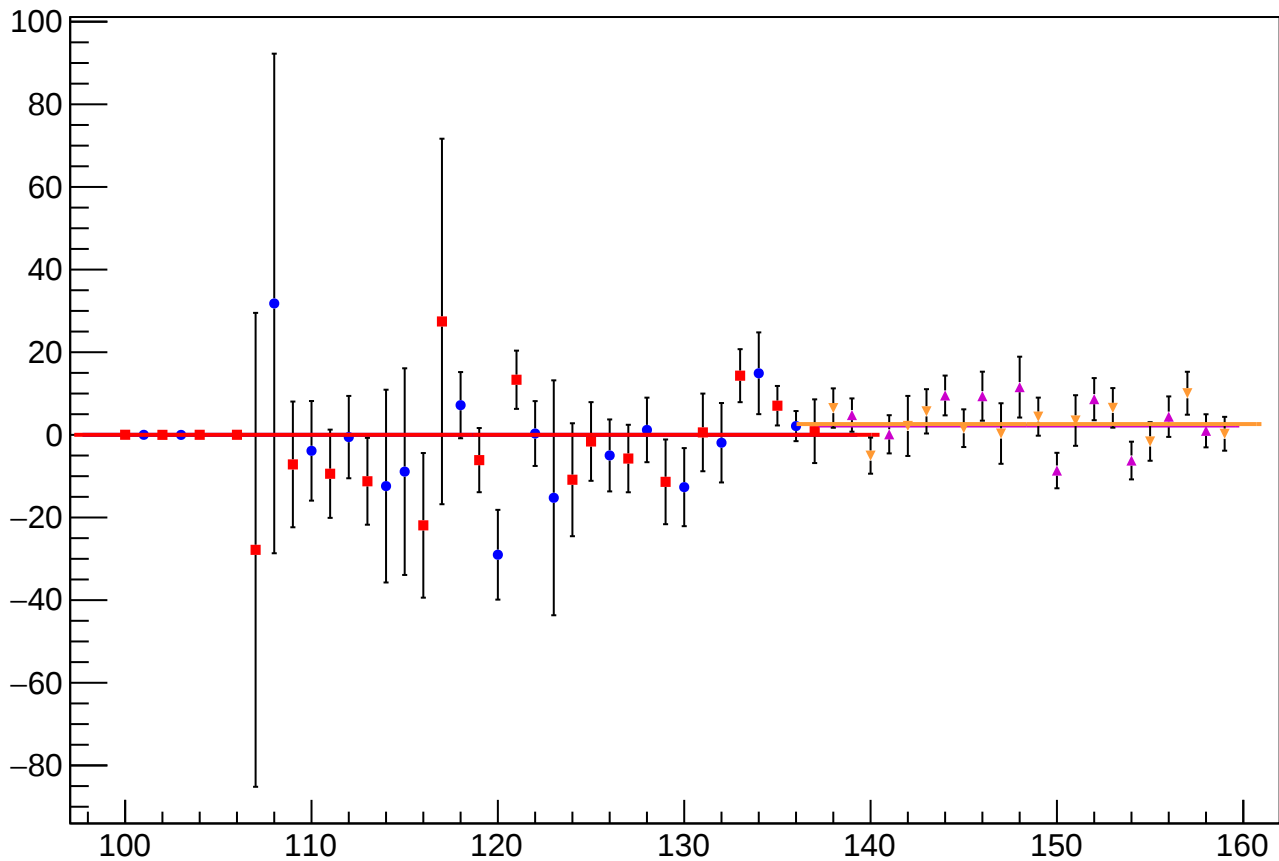
Right Out: 18.312+/-0.011 χ^2/NDF : 11189737.0/19

Left In: 12565.306+/-3.140 χ^2/NDF : 302480.5/9

18.855+/-0.012 χ^2/NDF : 28599176.5/28

18.476+/-0.011 χ^2/NDF : 27456435.7/29

diff_cav4bY_mean vs Slug



Right In: 0.001 ± 0.009 $\chi^2/\text{NDF}: 14.9/16$

Left Out: 2.613 ± 1.448 $\chi^2/\text{NDF}: 8.2/11$

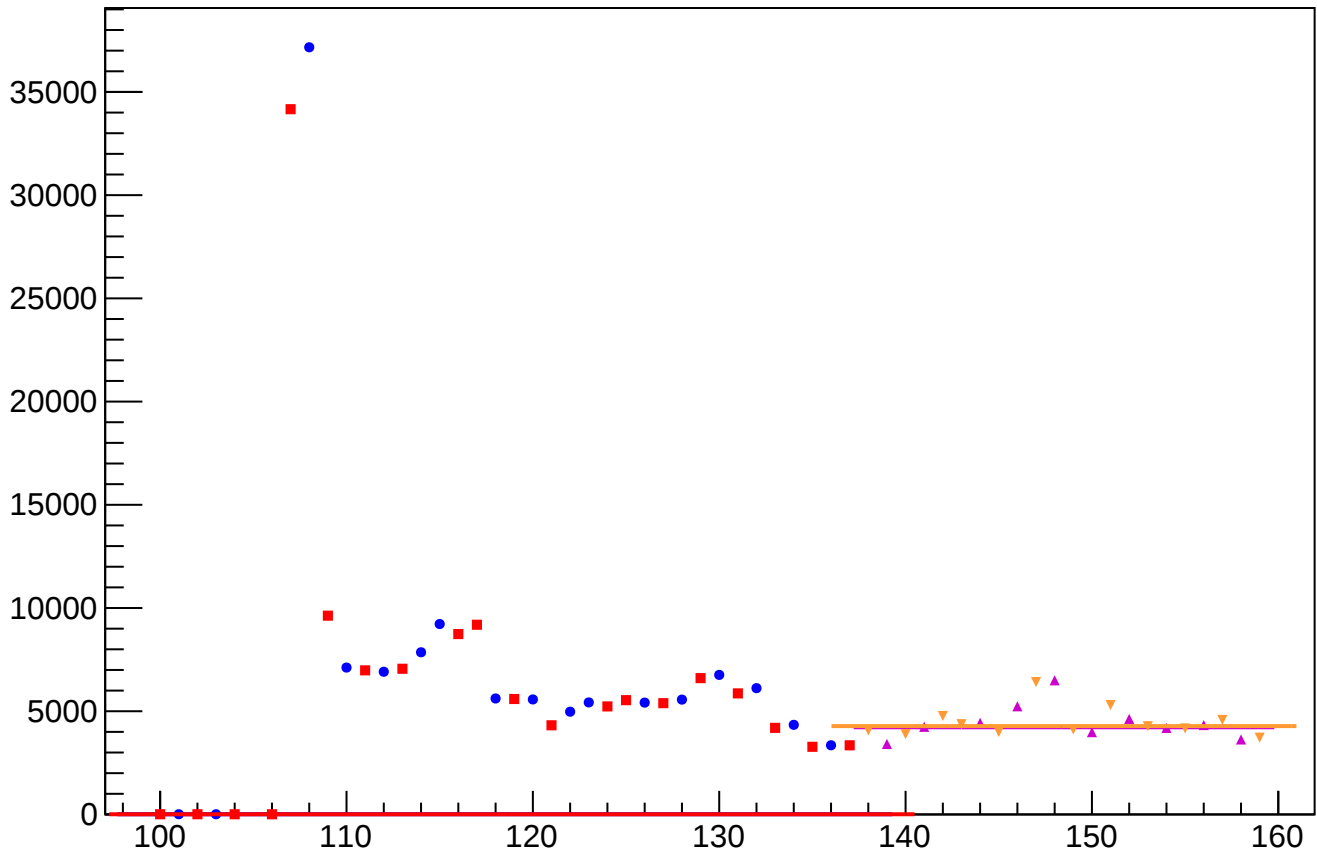
Right Out: 0.014 ± 0.009 $\chi^2/\text{NDF}: 18.8/19$

Left In: 2.264 ± 1.502 $\chi^2/\text{NDF}: 17.7/9$

0.001 ± 0.009 $\chi^2/\text{NDF}: 26.4/28$

0.014 ± 0.009 $\chi^2/\text{NDF}: 38.7/29$

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4281.110+/-1.024 χ^2/NDF :309698.1/11

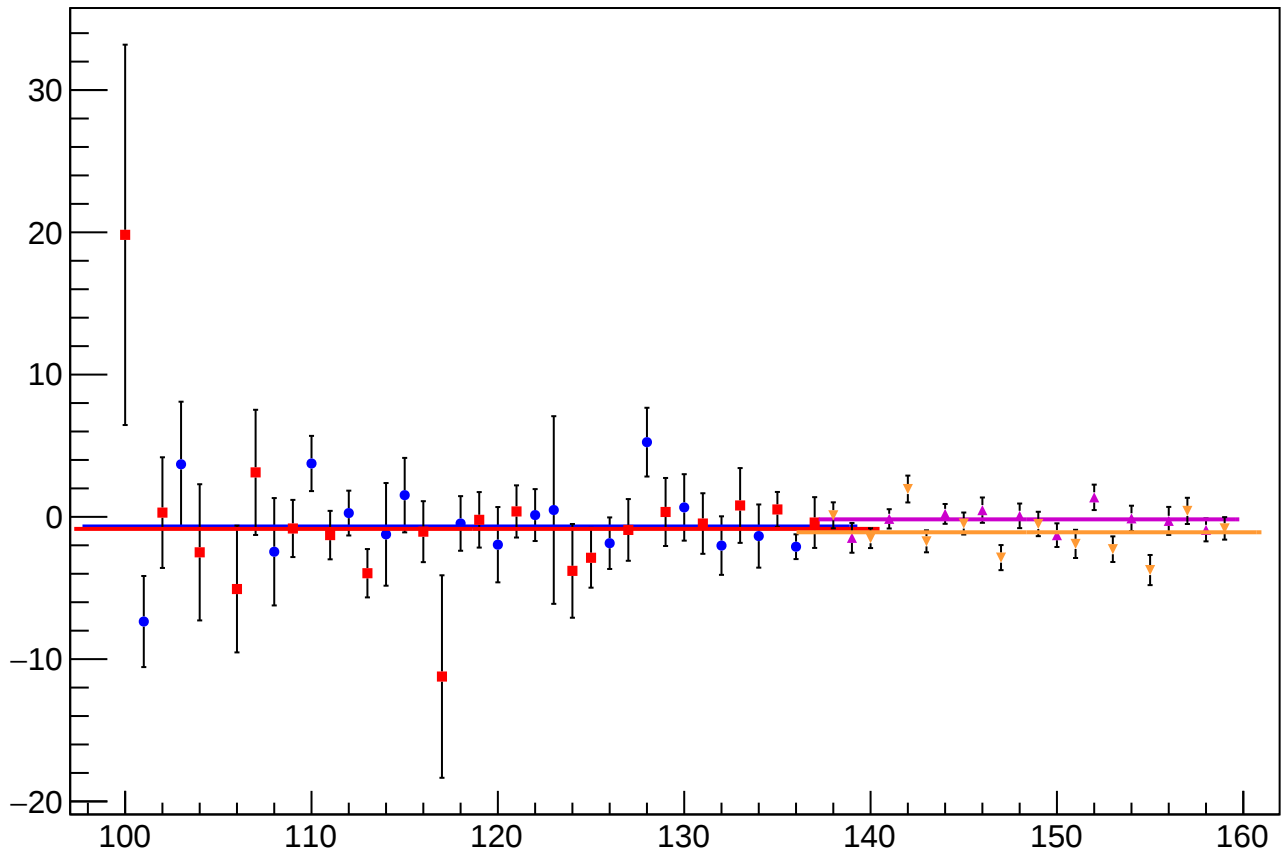
Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

Left In: 4223.606+/-1.062 χ^2/NDF :397639.7/9

10.110+/-0.007 χ^2/NDF : 28673948.9/28

9.994+/-0.006 χ^2/NDF : 27376942.2/29

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -1.084 ± 0.248 χ^2/NDF : 29.8/11

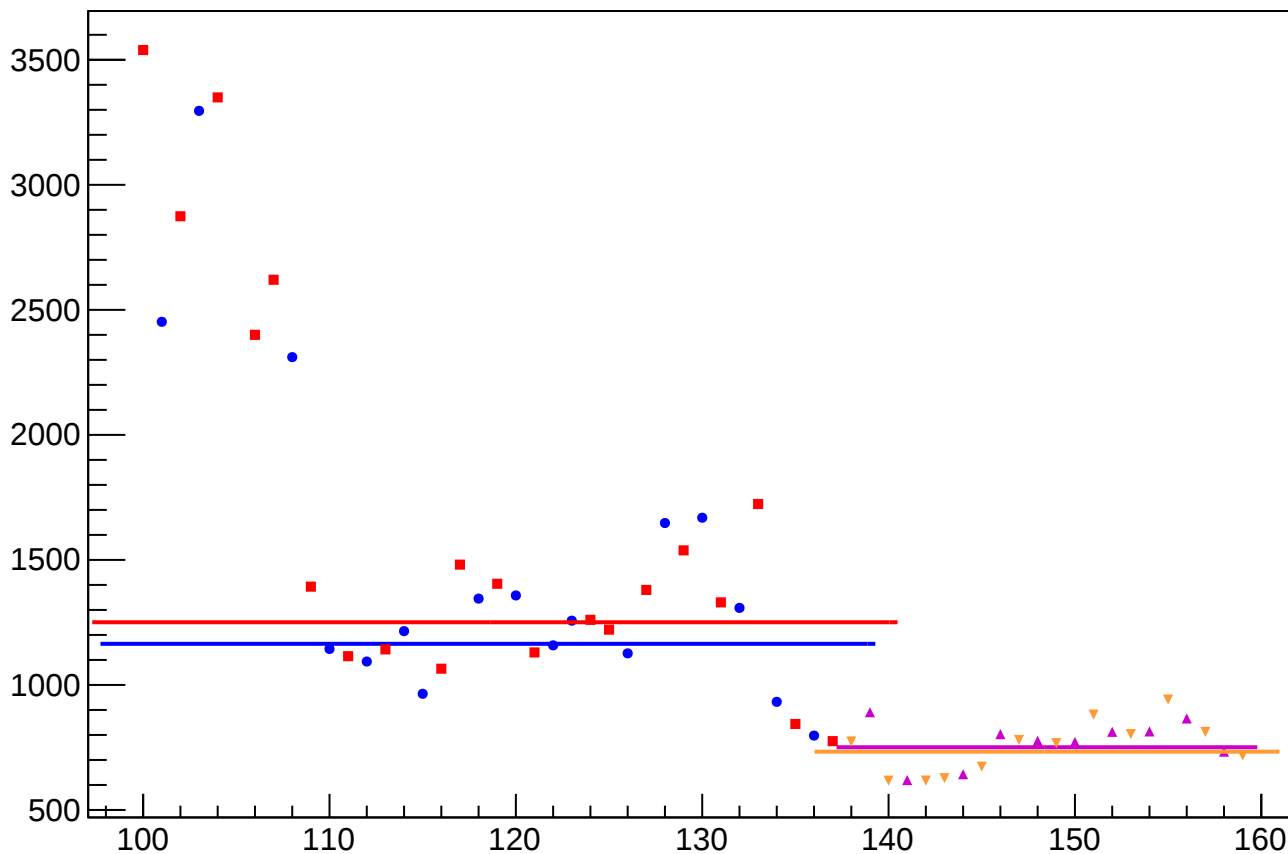
Right Out: -0.846 ± 0.500 χ^2/NDF : 14.1/19

Left In: -0.175 ± 0.265 χ^2/NDF : 8.1/9

-0.999 ± 0.220 χ^2/NDF : 52.6/28

-0.322 ± 0.234 χ^2/NDF : 23.6/29

diff_cav4cX_rms vs Slug



Right In: 1164.459+/-0.342 χ^2/NDF : 1584212.9/16

Left Out: 733.160+/-0.175 χ^2/NDF : 298102.4/11

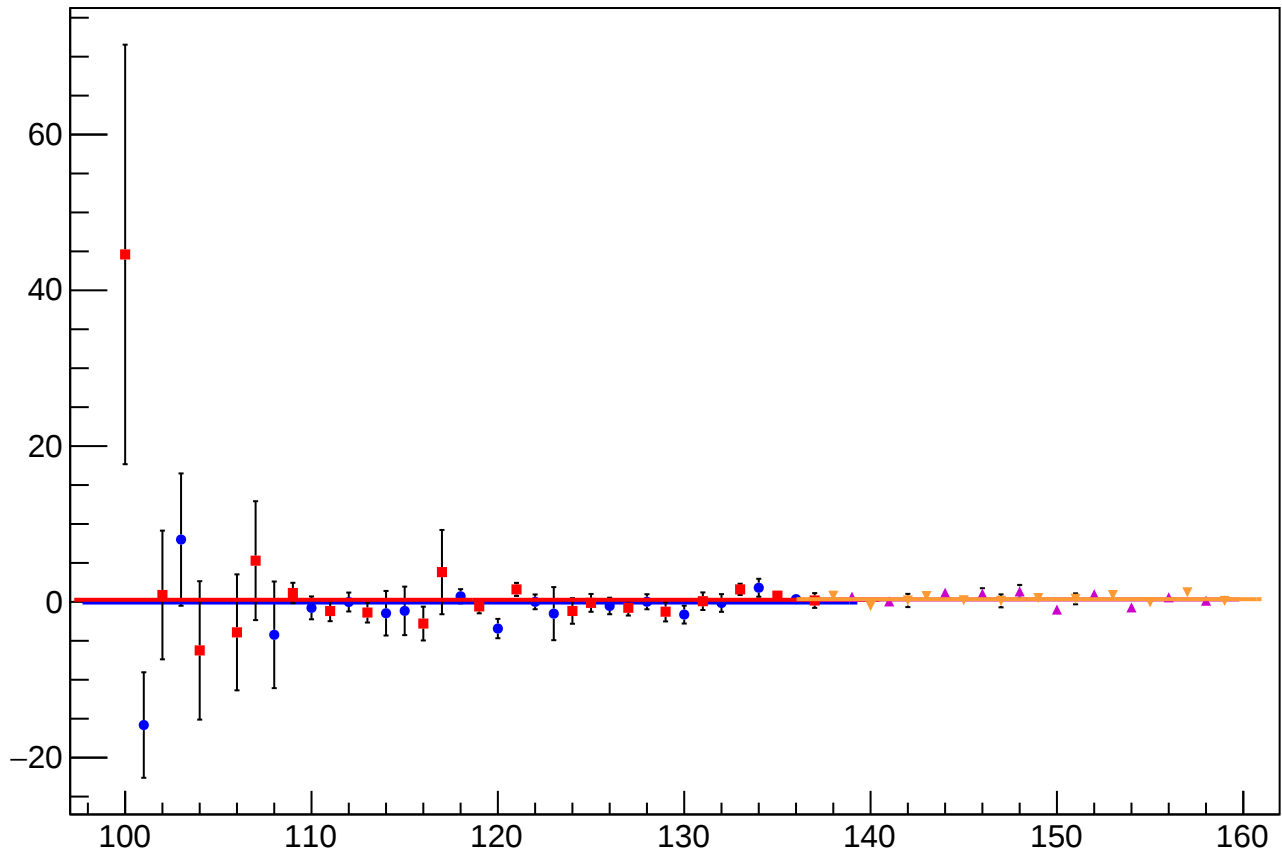
Right Out: 1250.738+/-0.354 χ^2/NDF : 1652238.9/19

Left In: 750.893+/-0.187 χ^2/NDF : 217087.4/9

822.594+/-0.156 χ^2/NDF : 3140444.8/28

860.219+/-0.165 χ^2/NDF : 3430593.2/29

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.344 ± 0.173 χ^2/NDF : 7.7/11

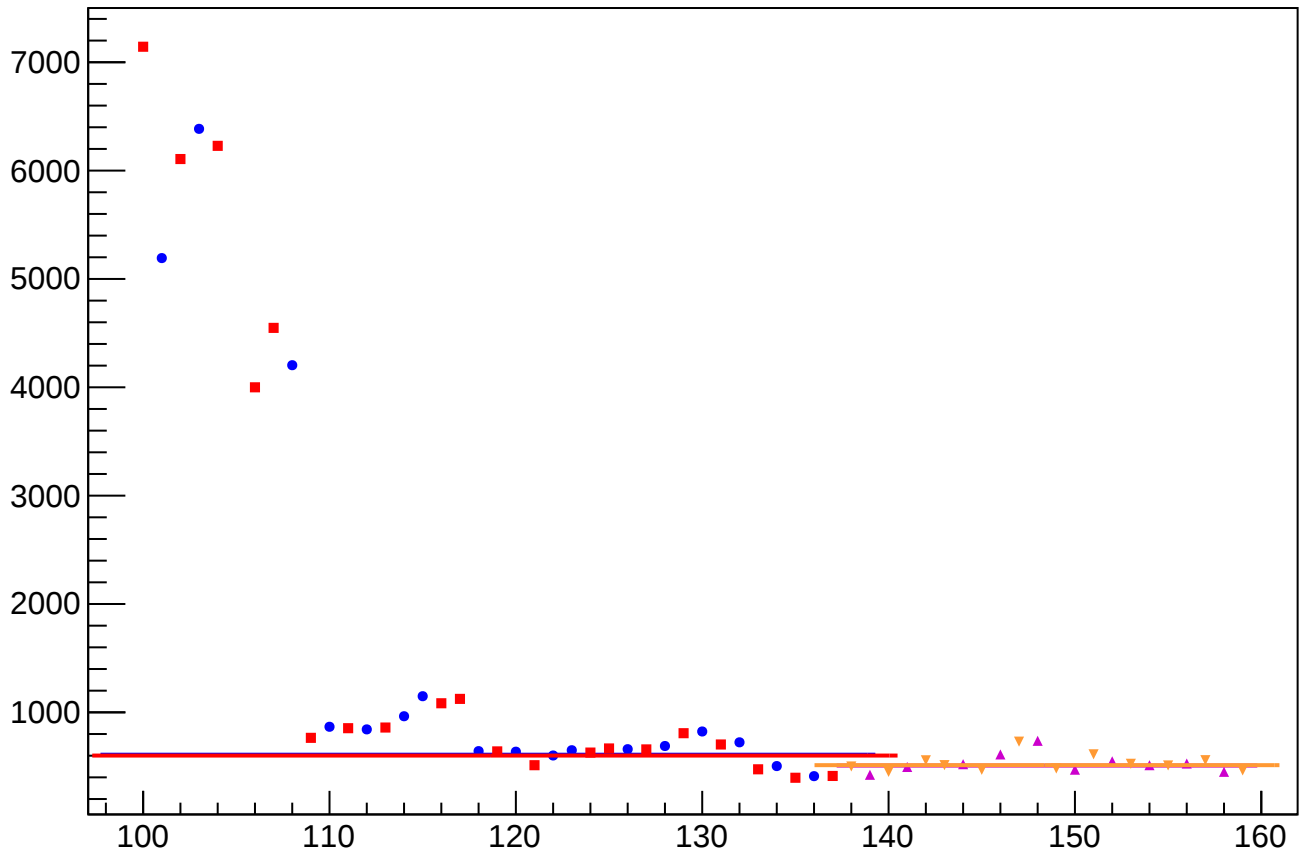
Right Out: 0.268 ± 0.264 χ^2/NDF : 20.9/19

Left In: 0.308 ± 0.180 χ^2/NDF : 17.2/9

0.219 ± 0.146 χ^2/NDF : 30.6/28

0.295 ± 0.149 χ^2/NDF : 38.1/29

diff_cav4cY_rms vs Slug



Right In: 609.016 $\pm$ 0.191 χ^2 /NDF: 3139231.5/16

Left Out: 512.517 $\pm$ 0.122 χ^2 /NDF: 261951.4/11

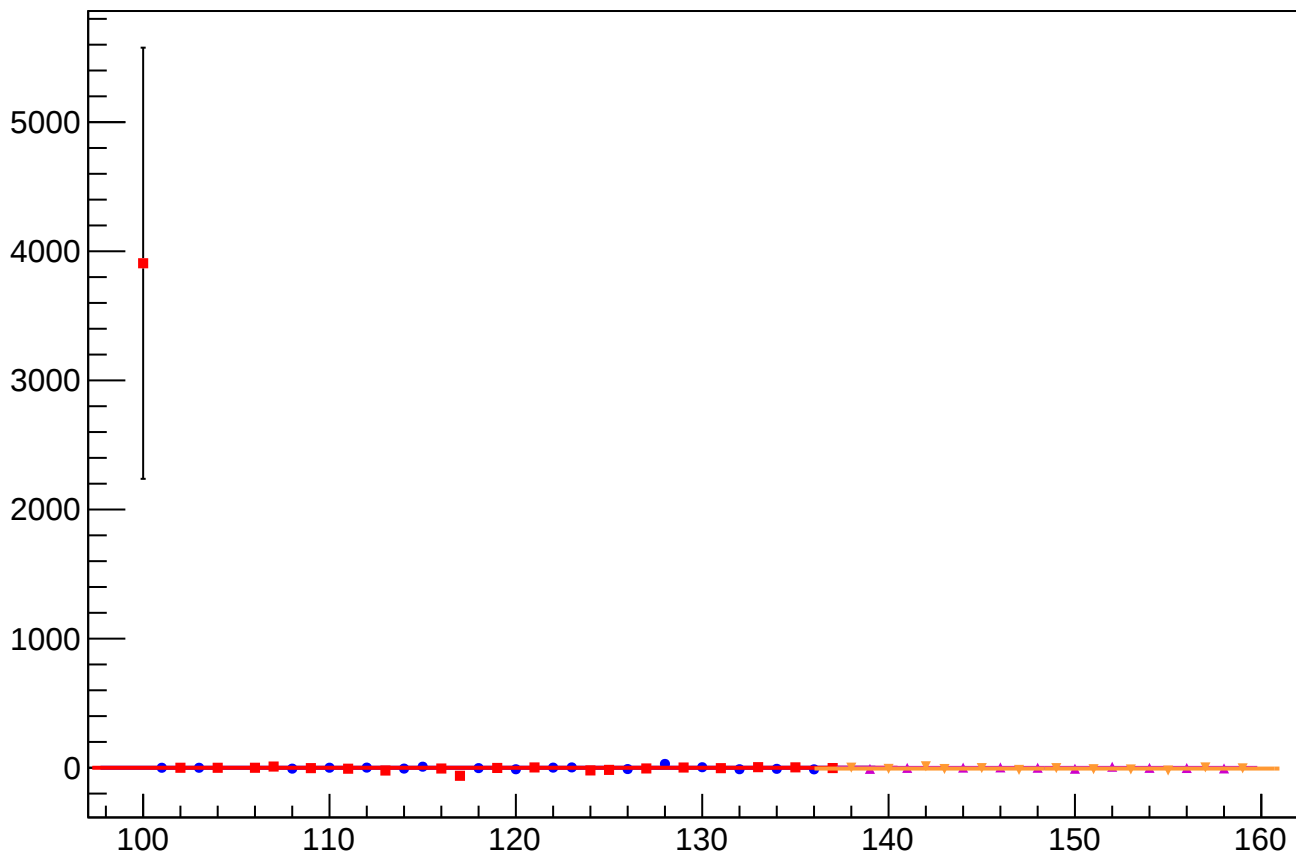
540.590 $\pm$ 0.103 χ^2 /NDF: 3582131.0/28

Right Out: 601.159 $\pm$ 0.187 χ^2 /NDF: 3566339.5/19

538.004 $\pm$ 0.105 χ^2 /NDF: 4037214.5/29

Left In: 508.577 $\pm$ 0.127 χ^2 /NDF: 303116.1/9

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -6.257 ± 1.439 χ^2/NDF : 29.8/11

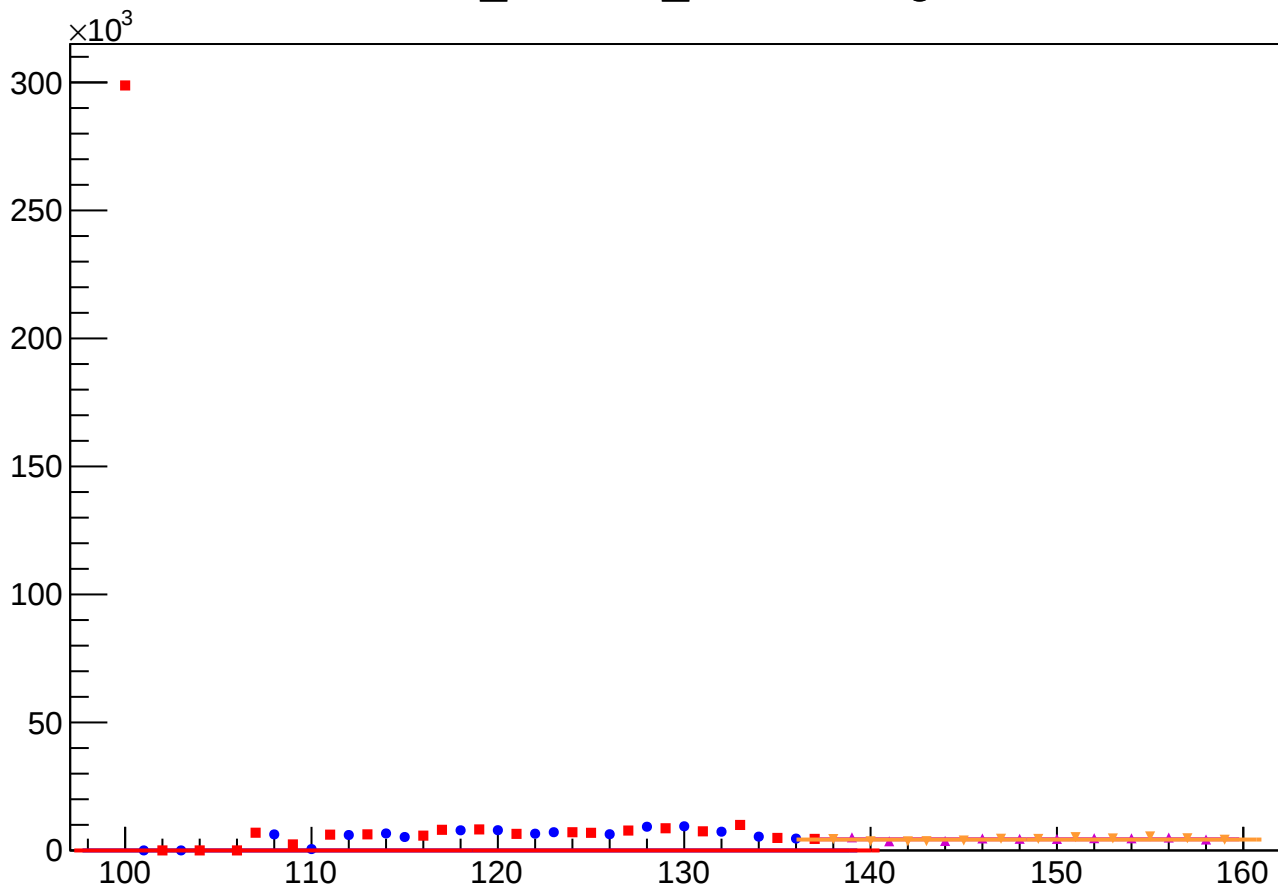
Right Out: -0.027 ± 0.020 χ^2/NDF : 19.8/19

Left In: -0.993 ± 1.541 χ^2/NDF : 8.0/9

-0.023 ± 0.021 χ^2/NDF : 63.8/28

-0.027 ± 0.020 χ^2/NDF : 28.2/29

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4258.222 $\pm$ 1.018 χ^2 /NDF: 321176.0/11

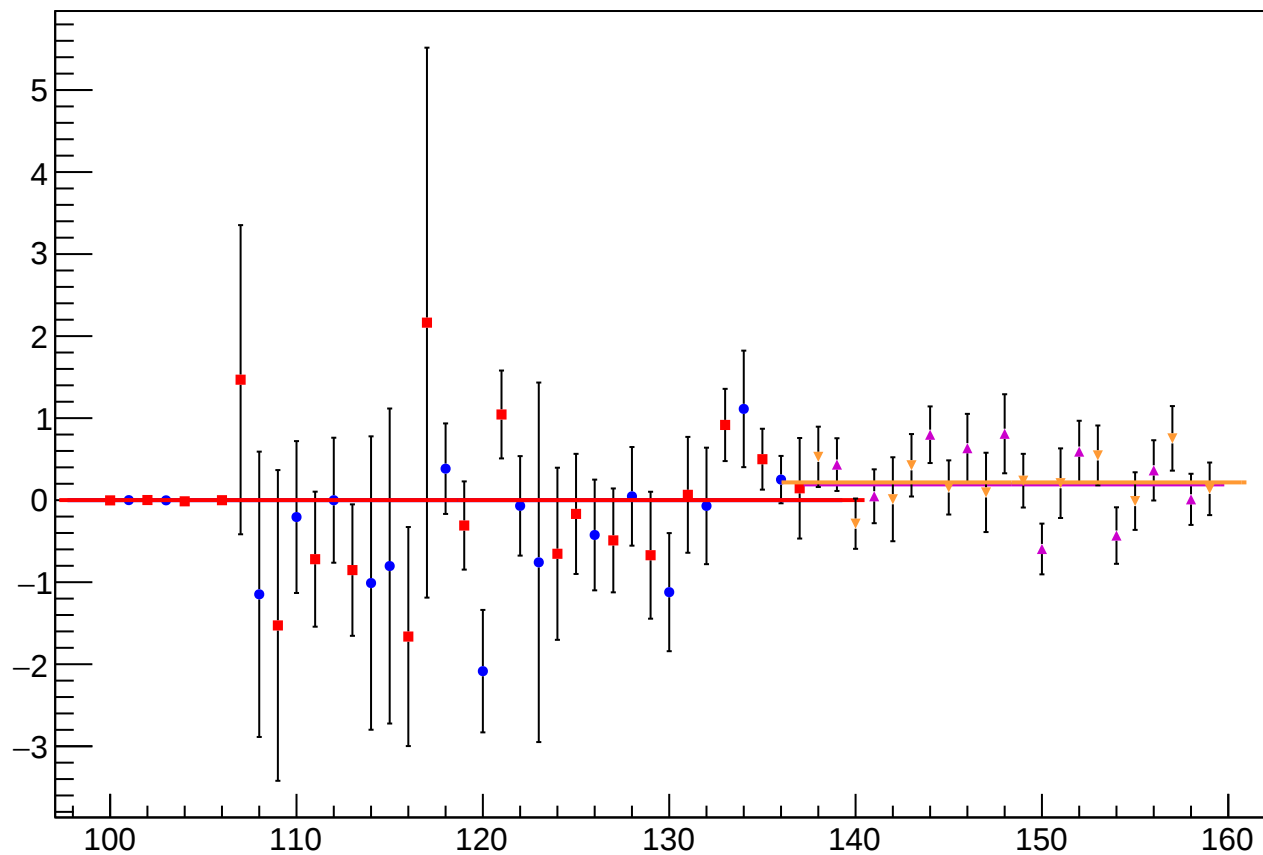
Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

Left In: 4371.845 $\pm$ 1.090 χ^2 /NDF: 229433.7/9

18.222 $\pm$ 0.015 χ^2 /NDF: 28040473.3/28

17.987 $\pm$ 0.014 χ^2 /NDF: 27095900.5/29

diff_cav4dY_mean vs Slug



Right In: 0.000+/-0.002 χ^2/NDF : 15.6/16

Left Out: 0.217+/-0.106 χ^2/NDF : 7.1/11

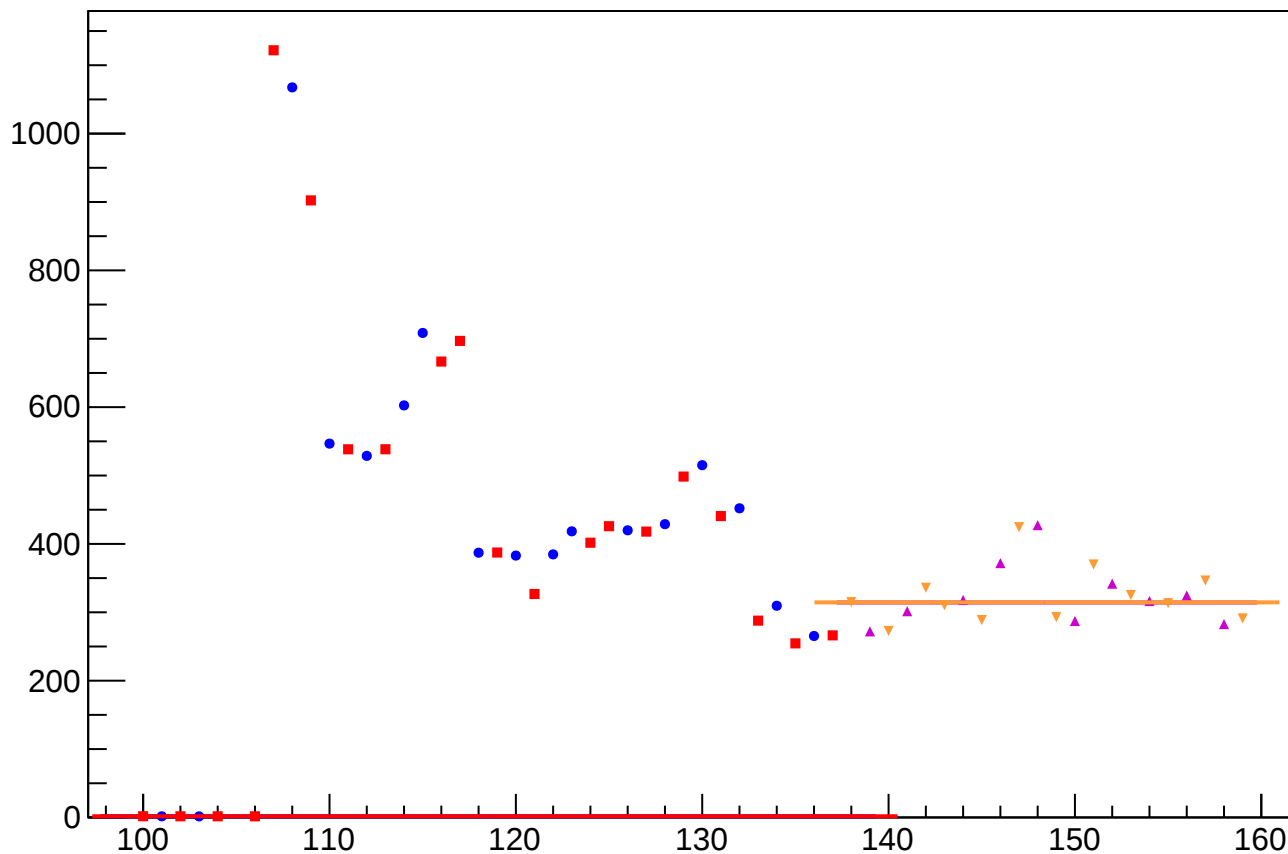
Right Out: 0.001+/-0.002 χ^2/NDF : 18.2/19

Left In: 0.192+/-0.111 χ^2/NDF : 18.0/9

0.000+/-0.002 χ^2/NDF : 26.9/28

0.001+/-0.002 χ^2/NDF : 39.2/29

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 314.540 $\pm$ 0.075 χ^2 /NDF: 225044.1/11

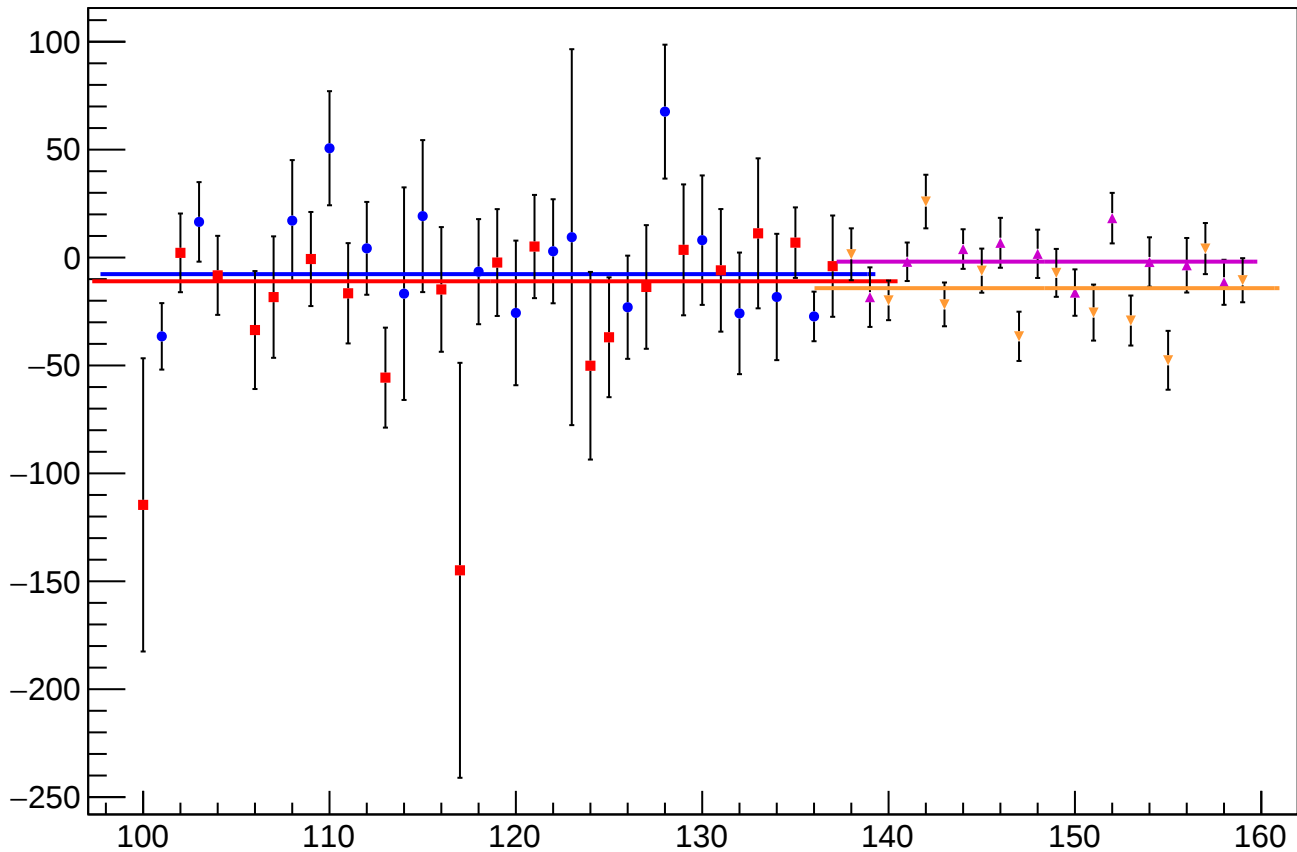
Right Out: 1.729 $\pm$ 0.001 χ^2 /NDF: 10822679.1/19

Left In: 314.338 $\pm$ 0.079 χ^2 /NDF: 233960.6/9

1.812 $\pm$ 0.001 χ^2 /NDF: 28532672.4/28

1.824 $\pm$ 0.001 χ^2 /NDF: 26888672.9/29

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -14.183 ± 3.230 χ^2/NDF : 28.9/11

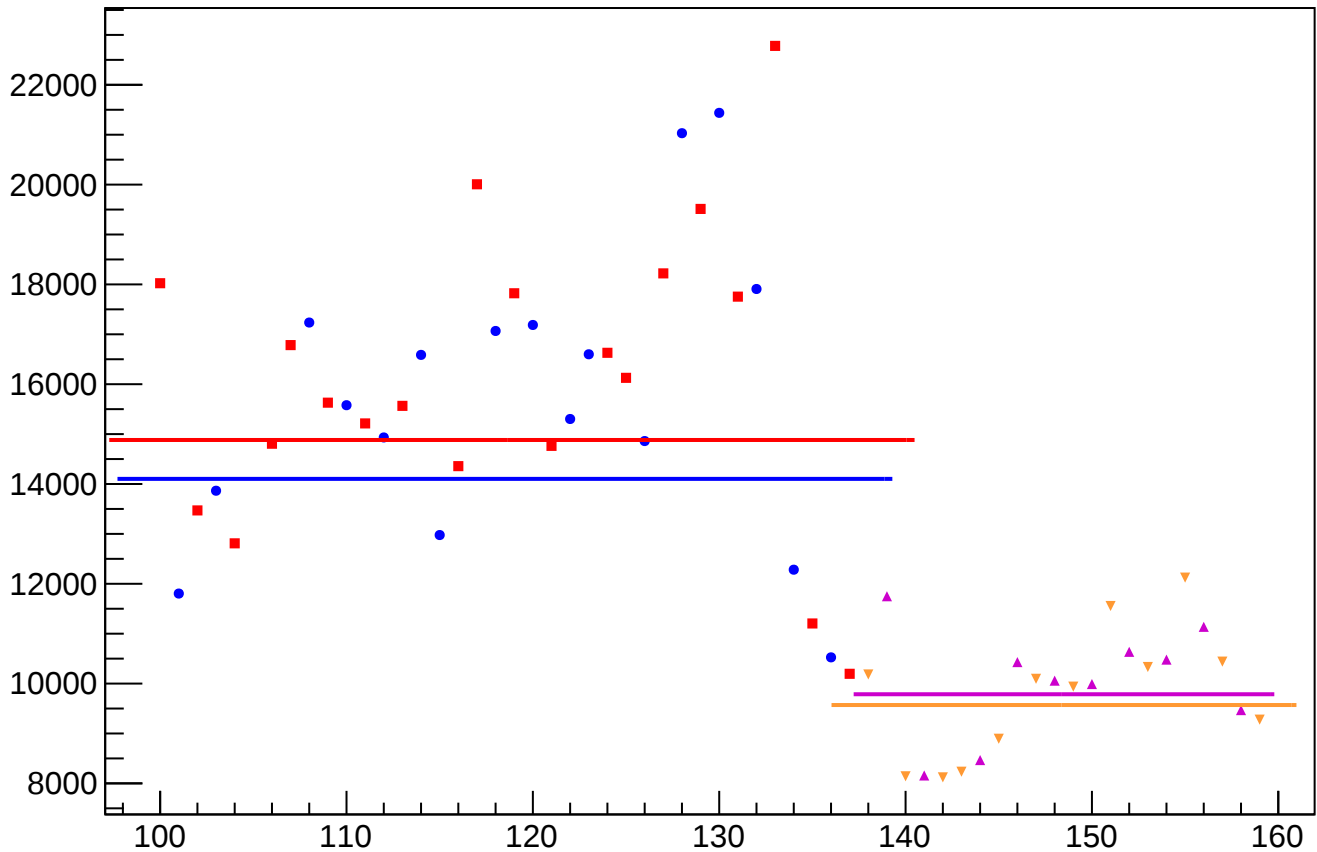
Right Out: -10.992 ± 5.672 χ^2/NDF : 13.8/19

Left In: -1.898 ± 3.447 χ^2/NDF : 8.1/9

-12.572 ± 2.801 χ^2/NDF : 52.3/28

-4.350 ± 2.945 χ^2/NDF : 23.8/29

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 9570.274+/-2.284 χ^2/NDF : 268842.9/11

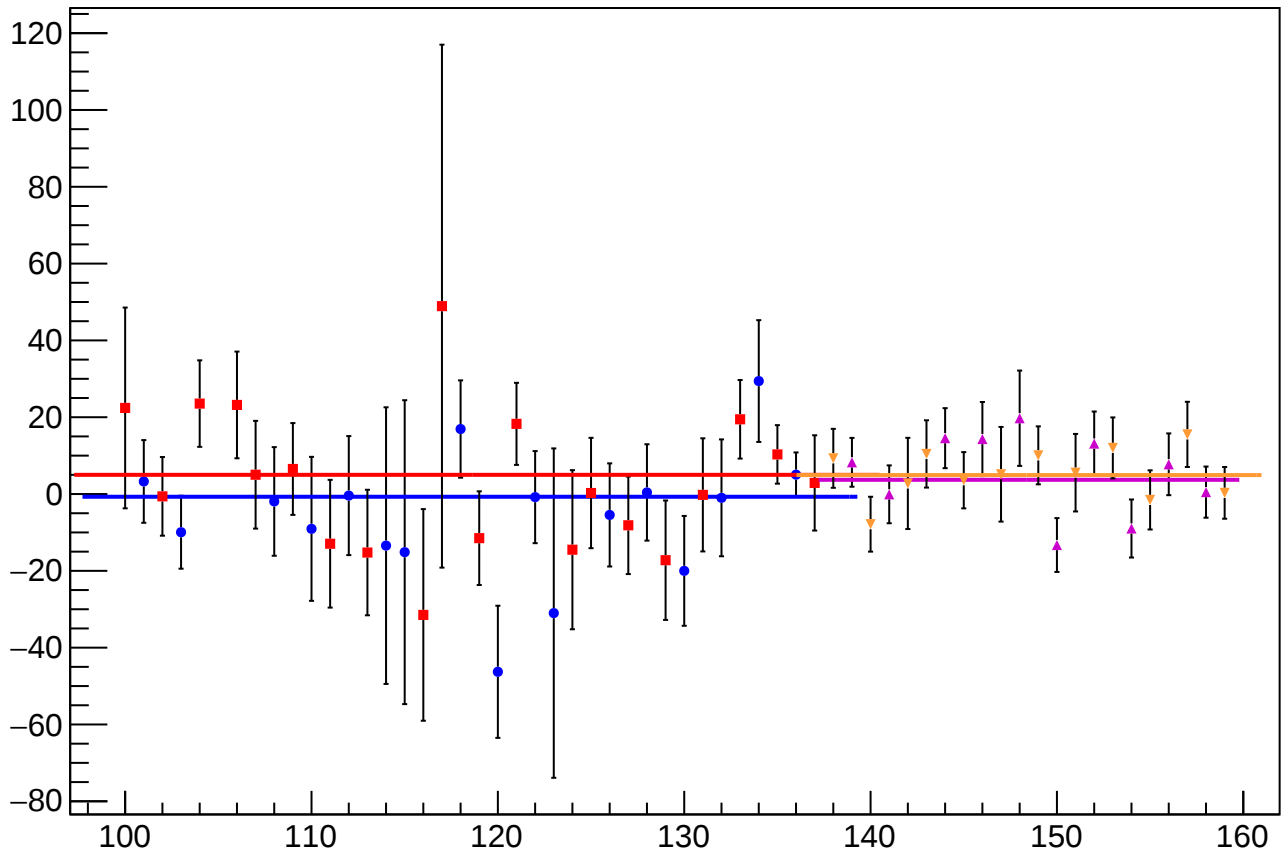
Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

Left In: 9786.260+/-2.437 χ^2/NDF : 199238.1/9

10693.295+/-1.981 χ^2/NDF : 1843695.4/28

11160.264+/-2.083 χ^2/NDF : 1854104.3/29

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 4.939 ± 2.370 χ^2/NDF : 8.0/11

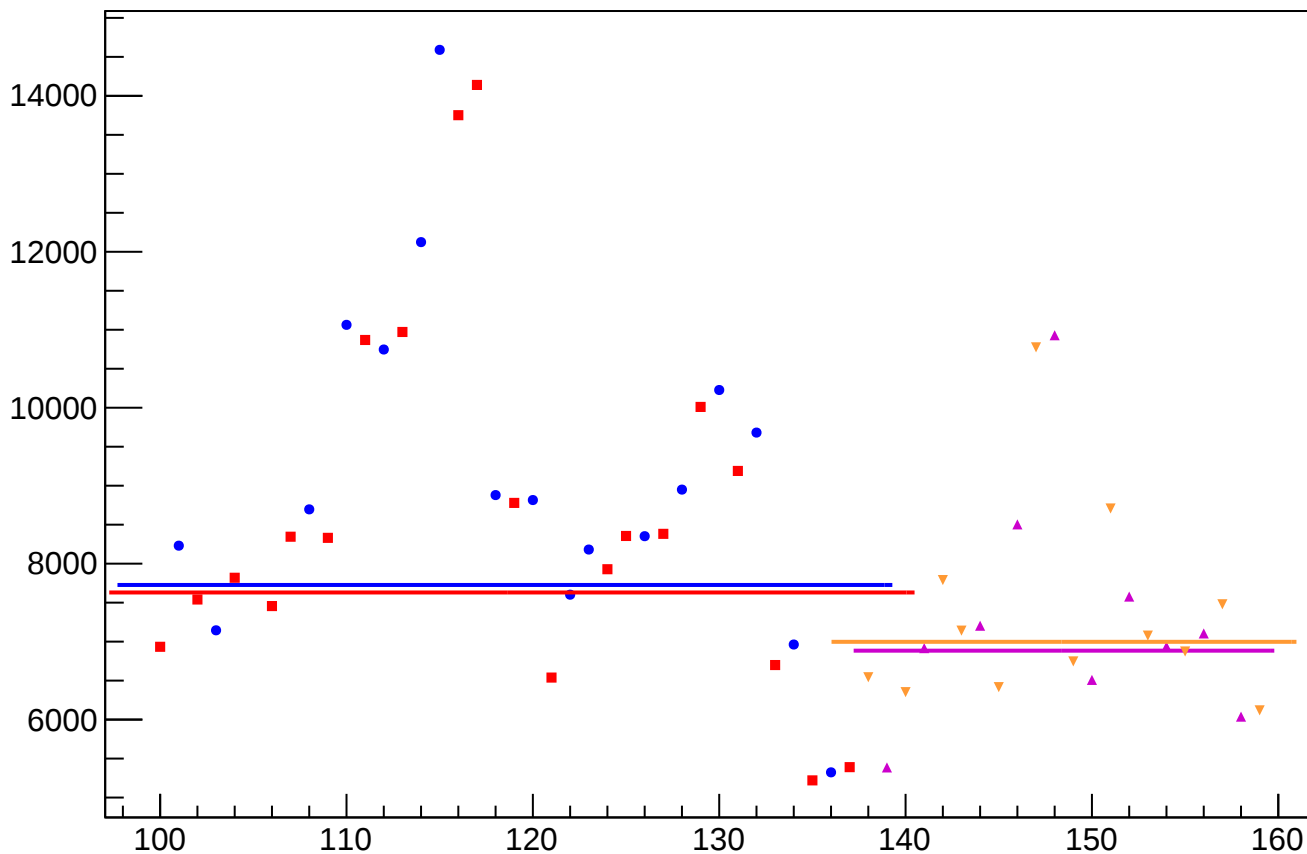
Right Out: 5.000 ± 2.937 χ^2/NDF : 20.2/19

Left In: 3.703 ± 2.453 χ^2/NDF : 16.0/9

2.842 ± 1.879 χ^2/NDF : 27.7/28

4.236 ± 1.882 χ^2/NDF : 36.3/29

diff_bpm4aY_rms vs Slug



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 6997.465 $\pm$ 1.676 χ^2 /NDF:334066.1/11

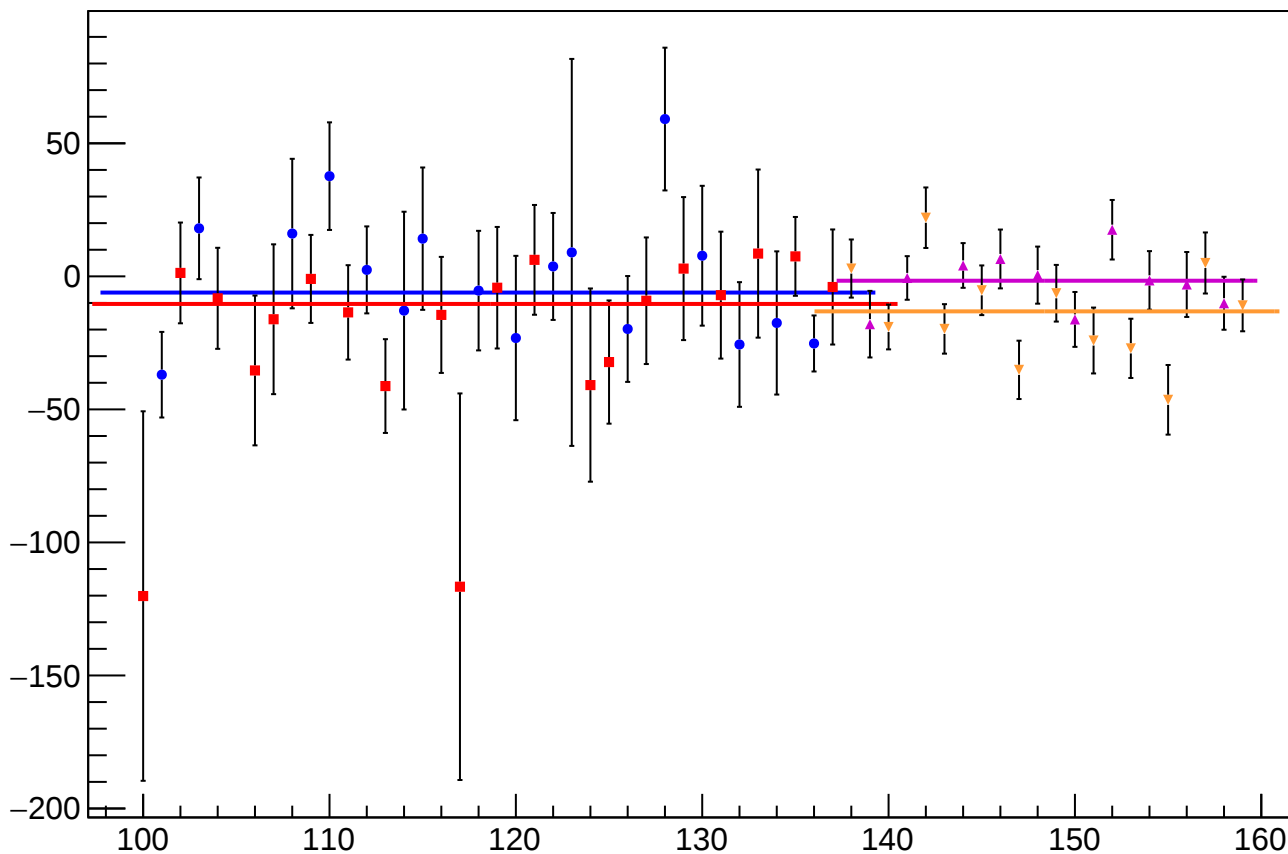
Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

Left In: 6883.999 $\pm$ 1.734 χ^2 /NDF:436865.2/9

7268.330 $\pm$ 1.329 χ^2 /NDF: 1146901.0/28

7190.640 $\pm$ 1.331 χ^2 /NDF: 1206408.3/29

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -13.157 ± 3.029 χ^2/NDF : 29.2/11

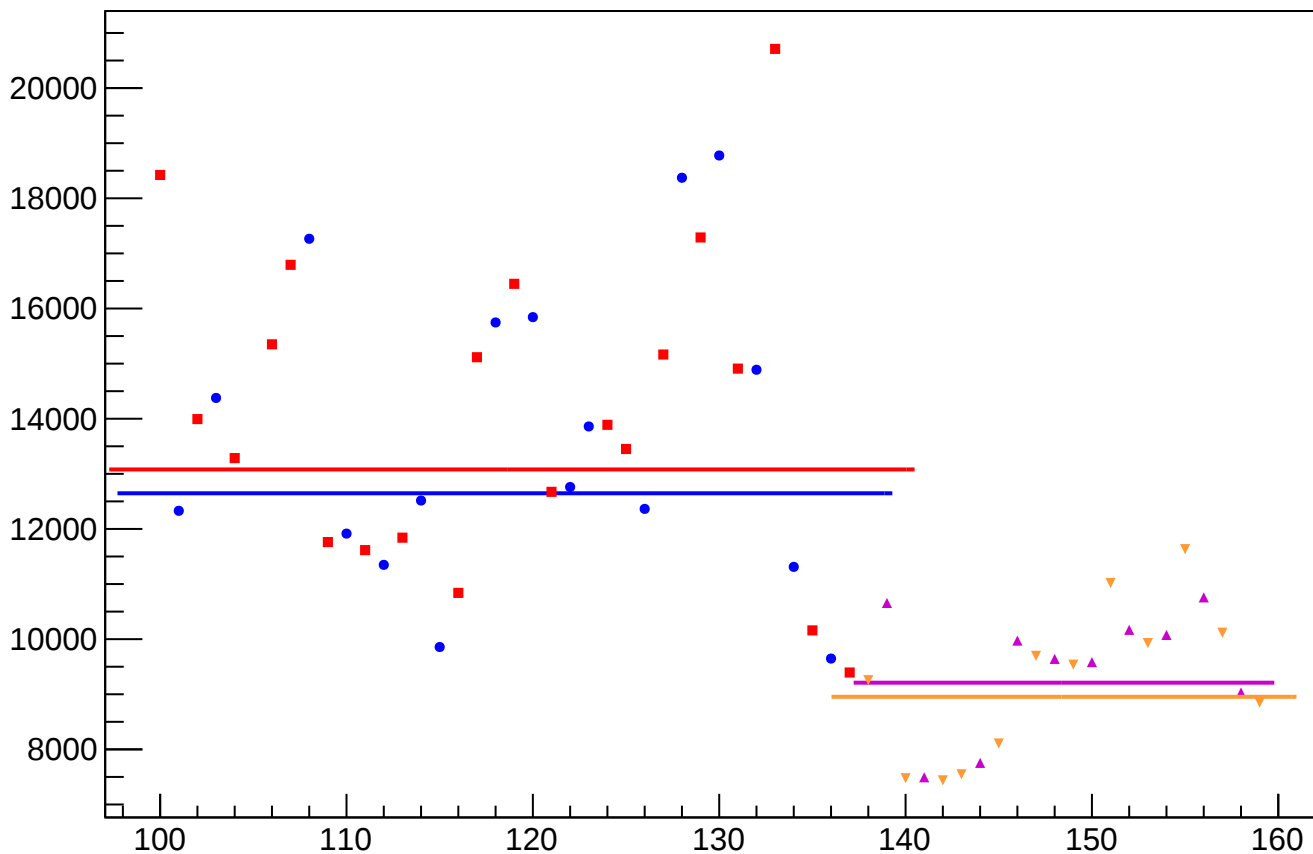
Right Out: -10.369 ± 4.992 χ^2/NDF : 13.8/19

Left In: -1.643 ± 3.248 χ^2/NDF : 8.4/9

-11.278 ± 2.596 χ^2/NDF : 53.6/28

-4.239 ± 2.723 χ^2/NDF : 24.4/29

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8954.236+/-2.142 χ^2/NDF : 351702.5/11

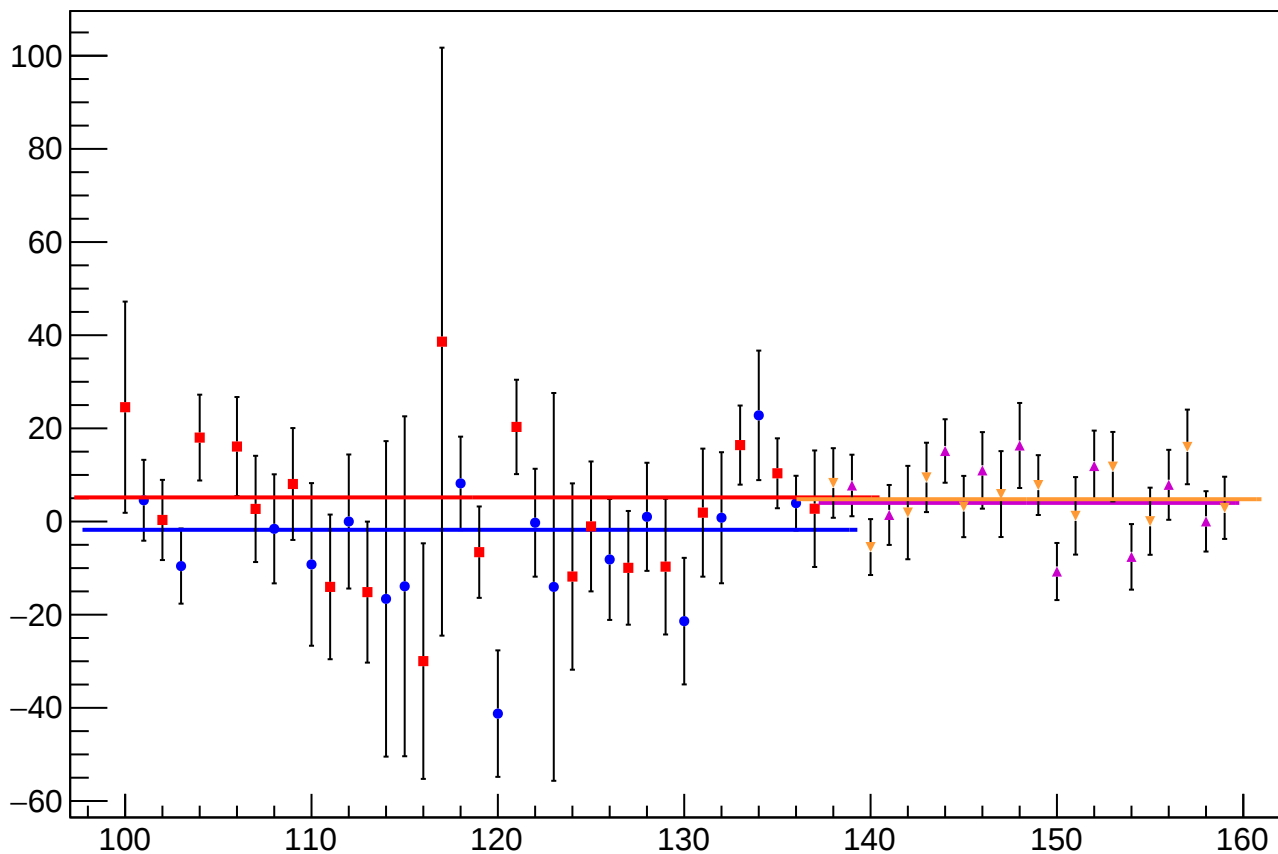
9936.148+/-1.835 χ^2/NDF : 1696311.0/28

Right Out: 13079.592+/-3.530 χ^2/NDF : 497851.1/19

10361.286+/-1.925 χ^2/NDF : 1591938.6/29

Left In: 9210.080+/-2.297 χ^2/NDF : 249803.6/9

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 $\chi^2/\text{NDF}: 18.0/16$

Left Out: 4.790 ± 2.120 $\chi^2/\text{NDF}: 7.5/11$

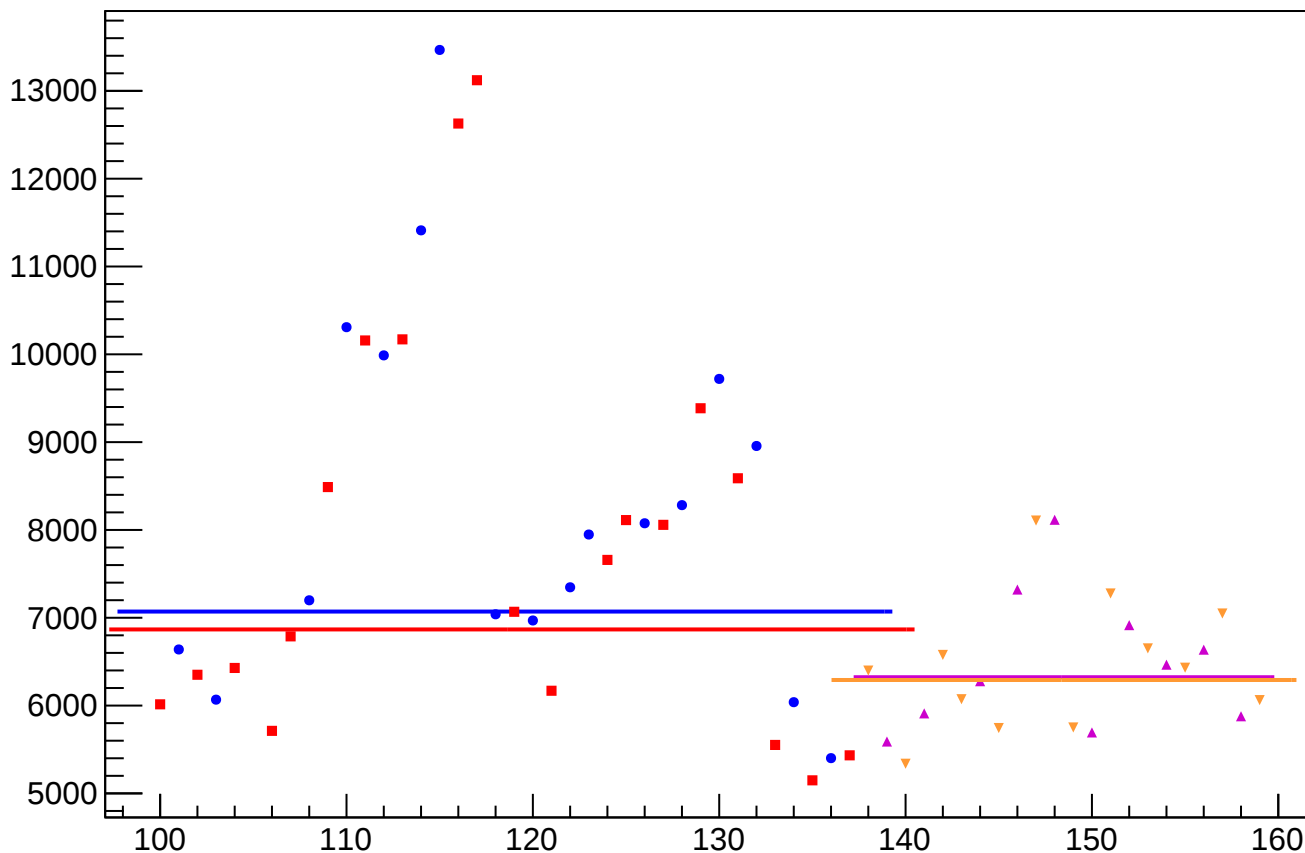
Right Out: 5.181 ± 2.640 $\chi^2/\text{NDF}: 19.2/19$

Left In: 4.000 ± 2.230 $\chi^2/\text{NDF}: 15.9/9$

2.404 ± 1.692 $\chi^2/\text{NDF}: 28.9/28$

4.492 ± 1.704 $\chi^2/\text{NDF}: 35.2/29$

diff_bpm4eY_rms vs Slug



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6291.457 $\pm$ 1.499 χ^2 /NDF:213489.7/11

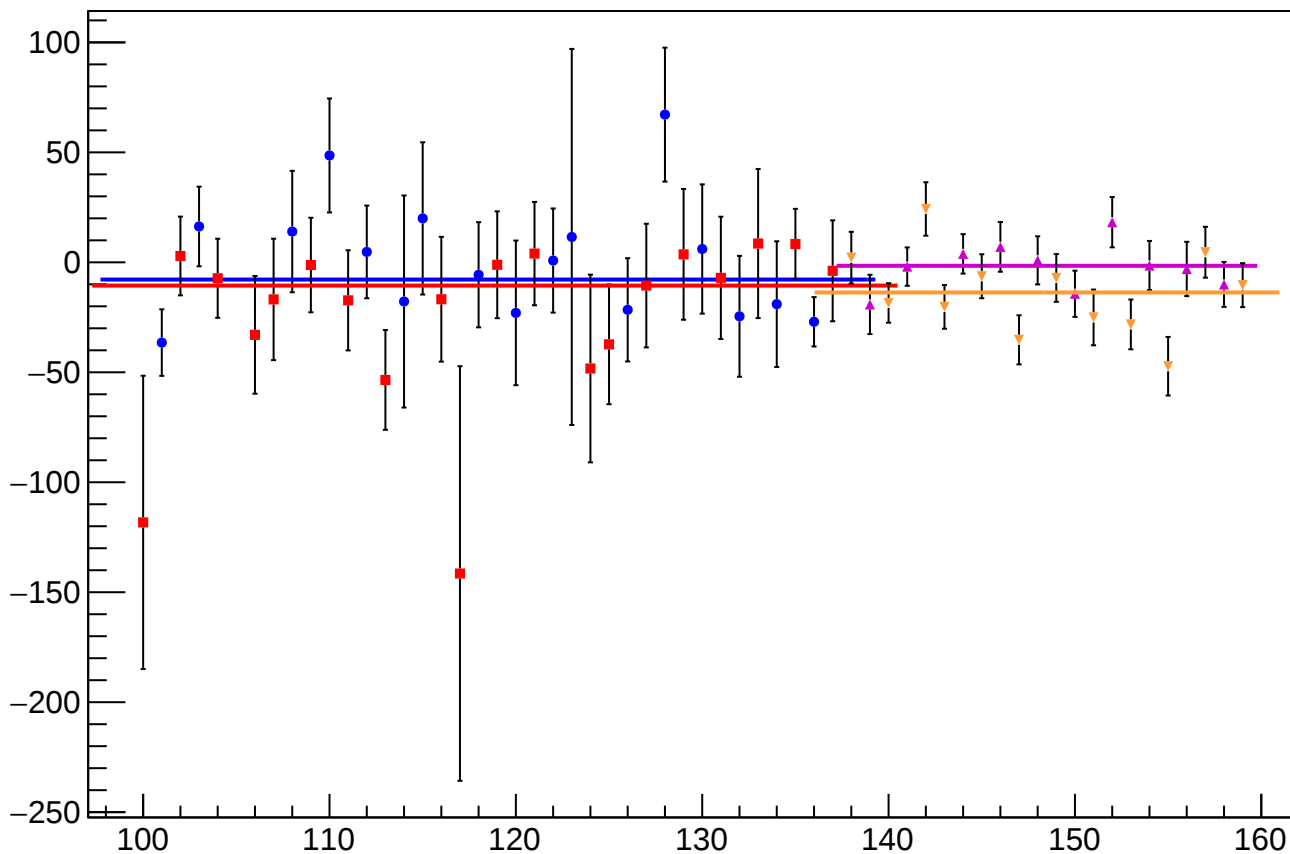
6574.646 $\pm$ 1.196 χ^2 /NDF: 913361.0/28

Right Out: 6867.094 $\pm$ 1.866 χ^2 /NDF: 701892.5/19

6549.575 $\pm$ 1.205 χ^2 /NDF: 938008.7/29

Left In: 6322.887 $\pm$ 1.577 χ^2 /NDF:186514.4/9

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -13.706 ± 3.157 χ^2/NDF : 28.3/11

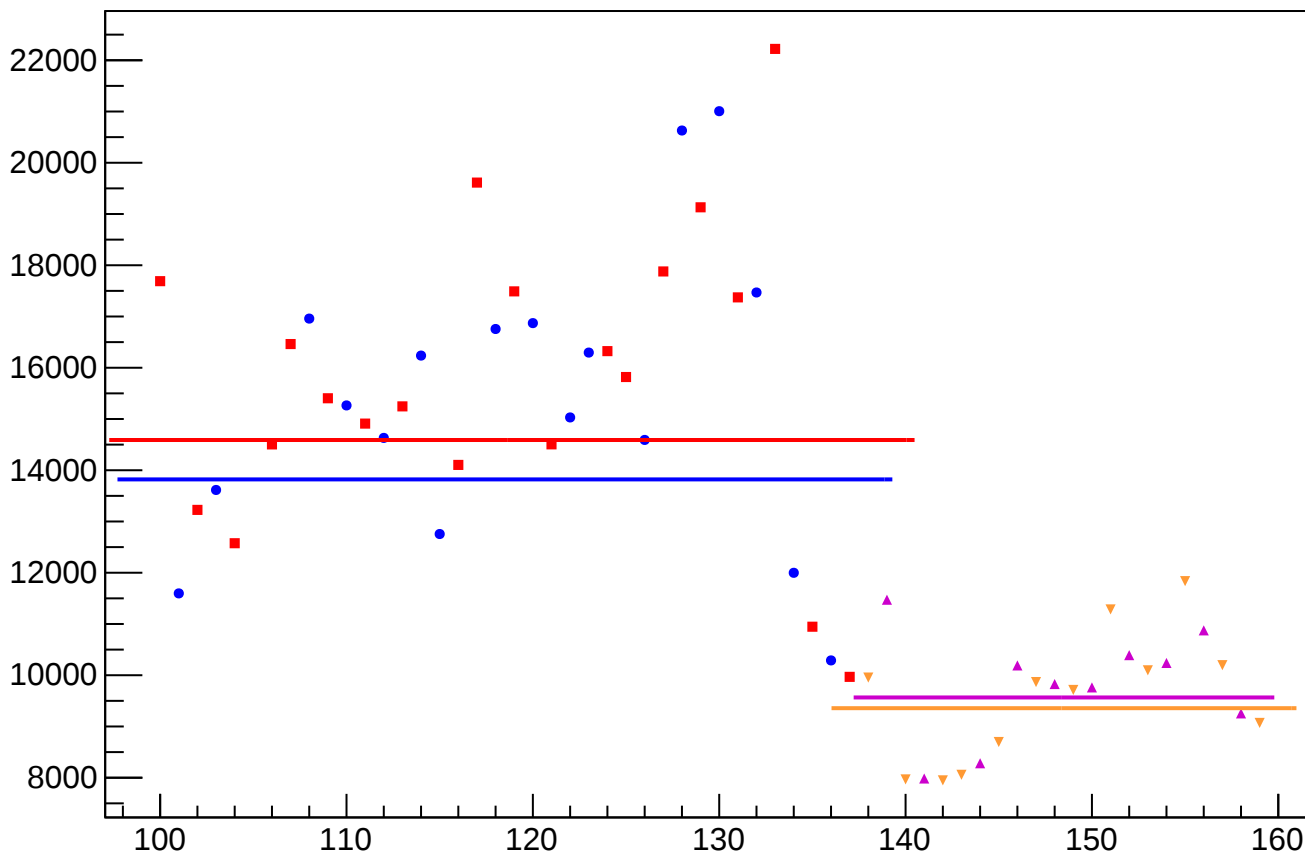
Right Out: -10.574 ± 5.561 χ^2/NDF : 14.1/19

Left In: -1.576 ± 3.369 χ^2/NDF : 7.9/9

-12.255 ± 2.740 χ^2/NDF : 51.5/28

-3.991 ± 2.881 χ^2/NDF : 23.9/29

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9356.979+/-2.233 χ^2/NDF : 265636.7/11

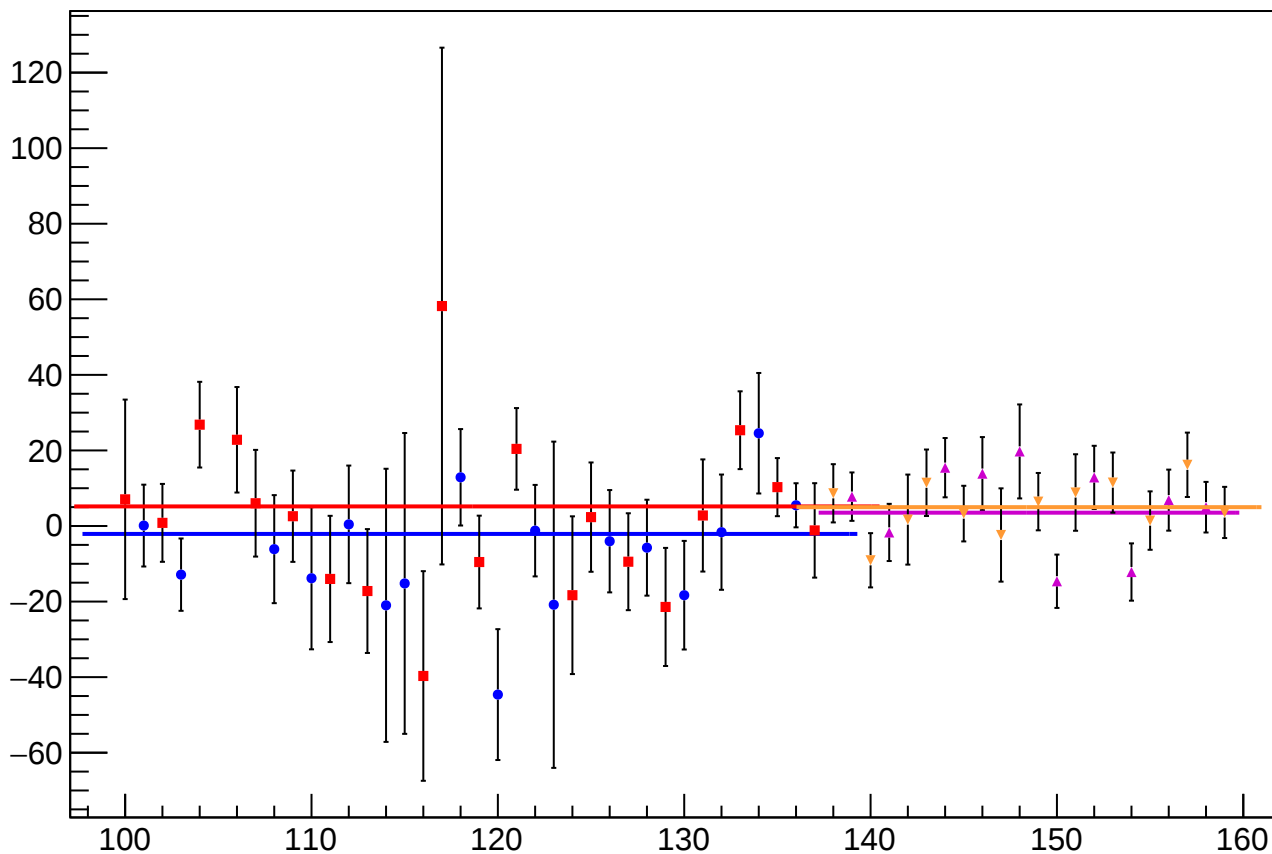
Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

Left In: 9566.146+/-2.382 χ^2/NDF : 196640.2/9

10458.687+/-1.938 χ^2/NDF : 1855107.5/28

10914.586+/-2.037 χ^2/NDF : 1868780.4/29

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 4.985 ± 2.381 χ^2/NDF : 7.9/11

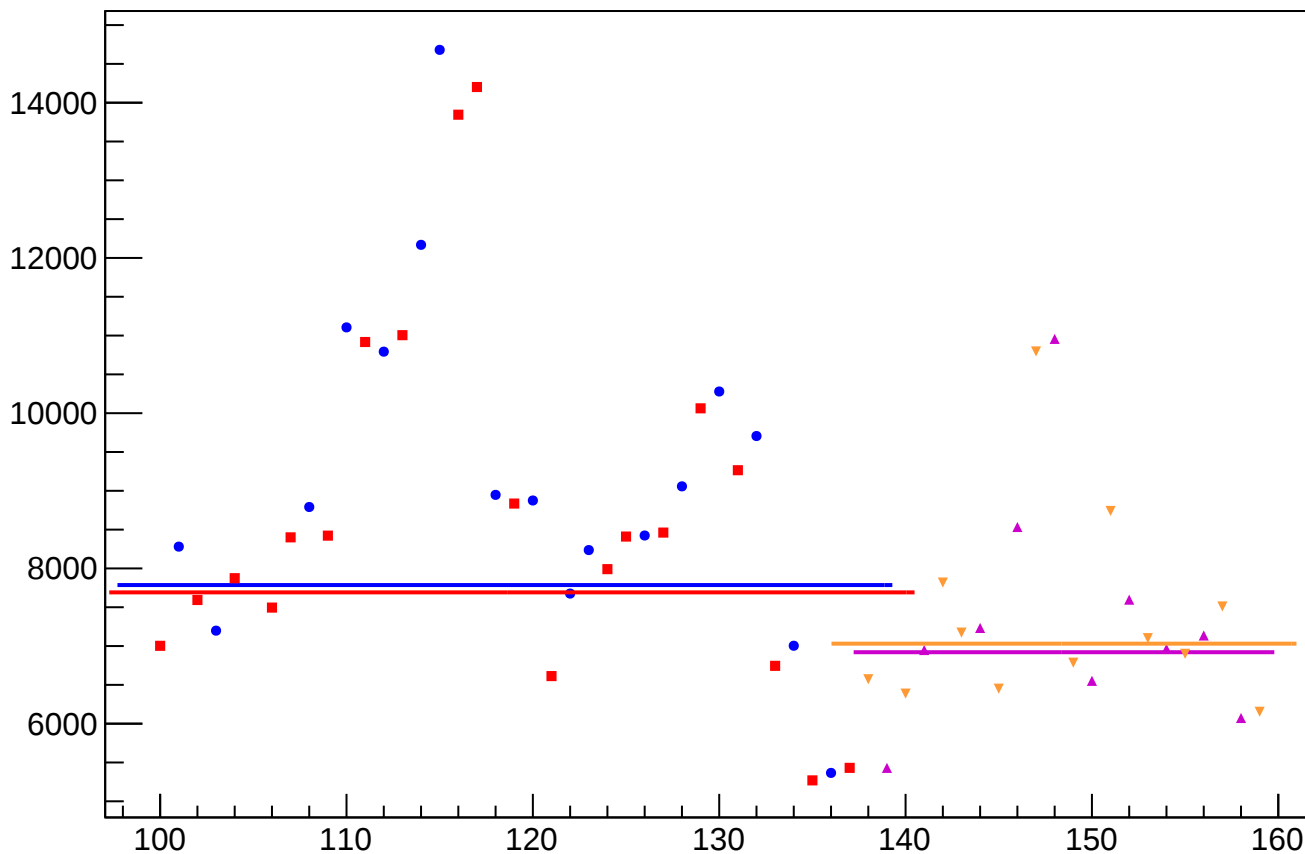
Right Out: 5.184 ± 2.959 χ^2/NDF : 25.4/19

Left In: 3.525 ± 2.465 χ^2/NDF : 18.4/9

2.364 ± 1.890 χ^2/NDF : 26.8/28

4.204 ± 1.894 χ^2/NDF : 44.0/29

diff_bpm4acY_rms vs Slug



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 7030.907+/-1.684 χ^2/NDF : 330465.8/11

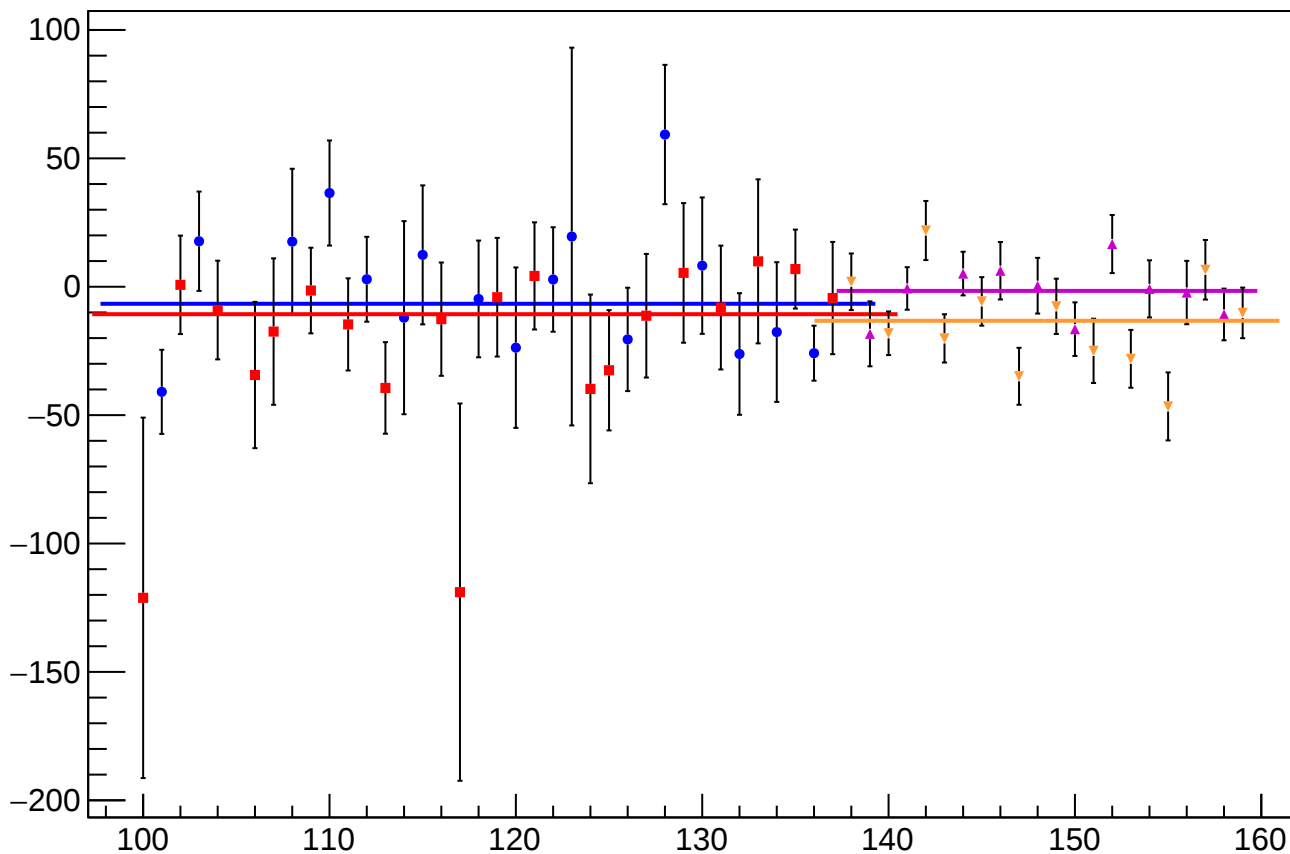
Right Out: 7691.398+/-2.093 χ^2/NDF : 686898.9/19

Left In: 6920.649+/-1.743 χ^2/NDF : 429739.4/9

7310.325+/-1.336 χ^2/NDF : 1142989.9/28

7236.311+/-1.339 χ^2/NDF : 1196736.2/29

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 $\chi^2/\text{NDF}: 23.4/16$

Left Out: -13.252 ± 3.063 $\chi^2/\text{NDF}: 28.8/11$

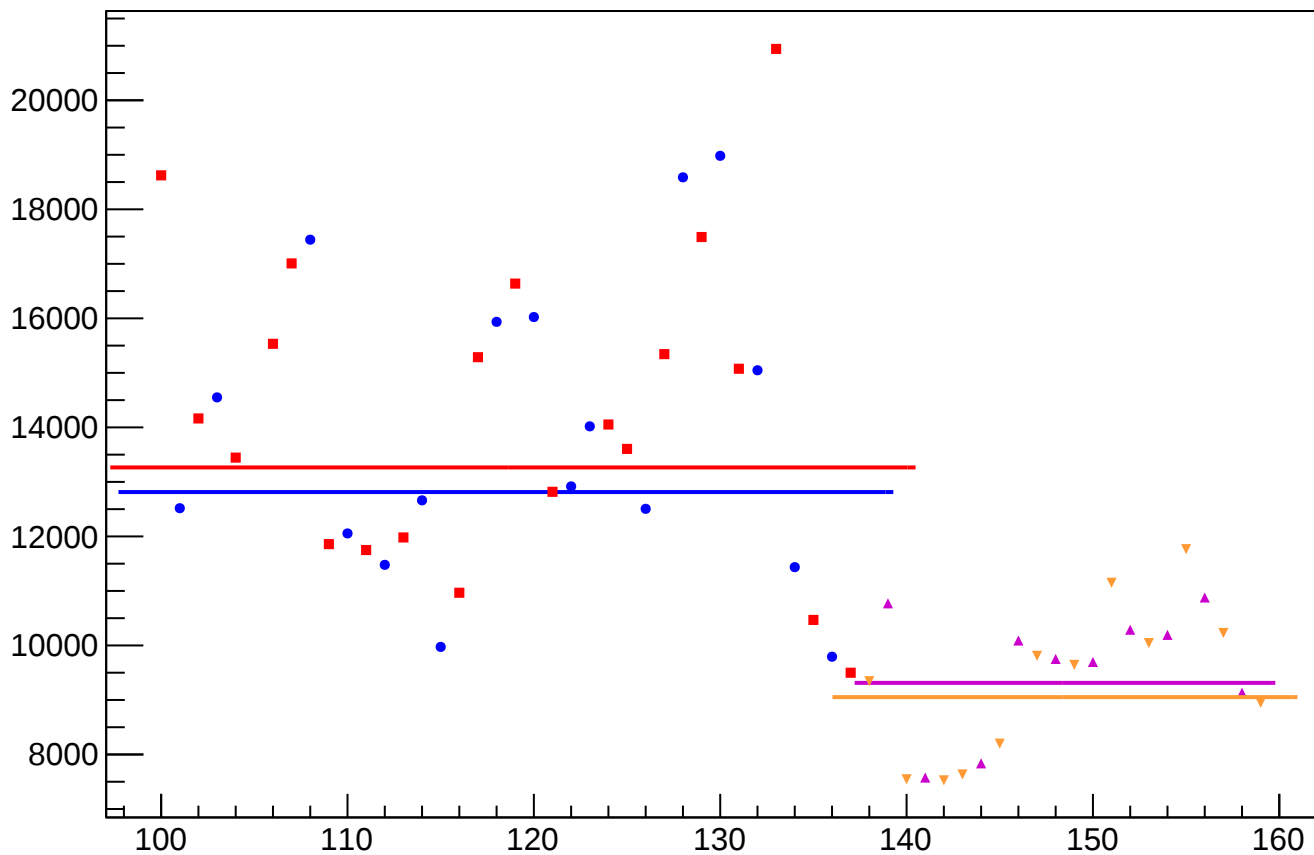
Right Out: -10.688 ± 5.063 $\chi^2/\text{NDF}: 13.0/19$

Left In: -1.618 ± 3.285 $\chi^2/\text{NDF}: 8.4/9$

-11.499 ± 2.626 $\chi^2/\text{NDF}: 53.4/28$

-4.305 ± 2.756 $\chi^2/\text{NDF}: 23.6/29$

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 9052.117+/-2.166 χ^2/NDF : 353304.2/11

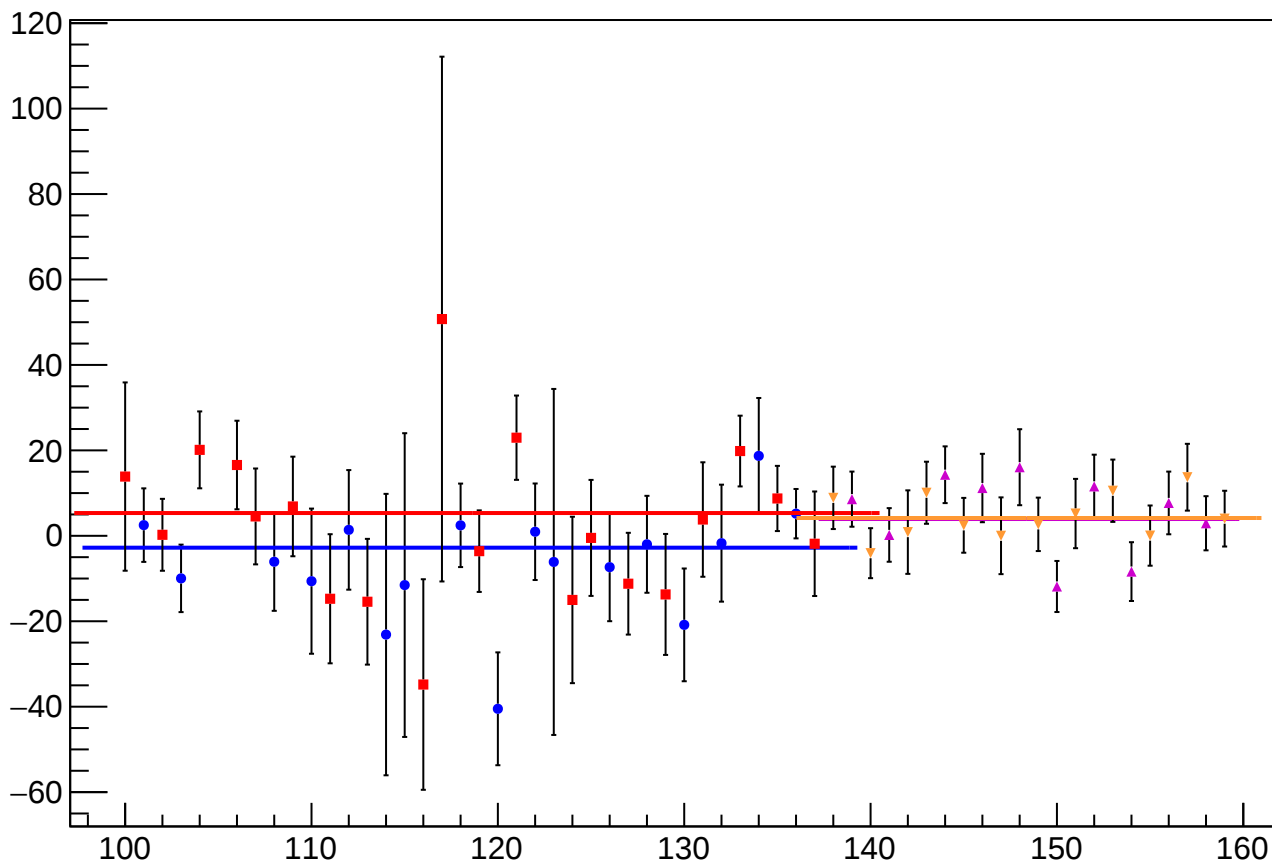
Right Out: 13265.185+/-3.580 χ^2/NDF : 485810.1/19

Left In: 9313.632+/-2.323 χ^2/NDF : 250812.9/9

10048.704+/-1.857 χ^2/NDF : 1700778.6/28

10484.430+/-1.949 χ^2/NDF : 1594042.0/29

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 4.169 ± 2.069 χ^2/NDF : 6.1/11

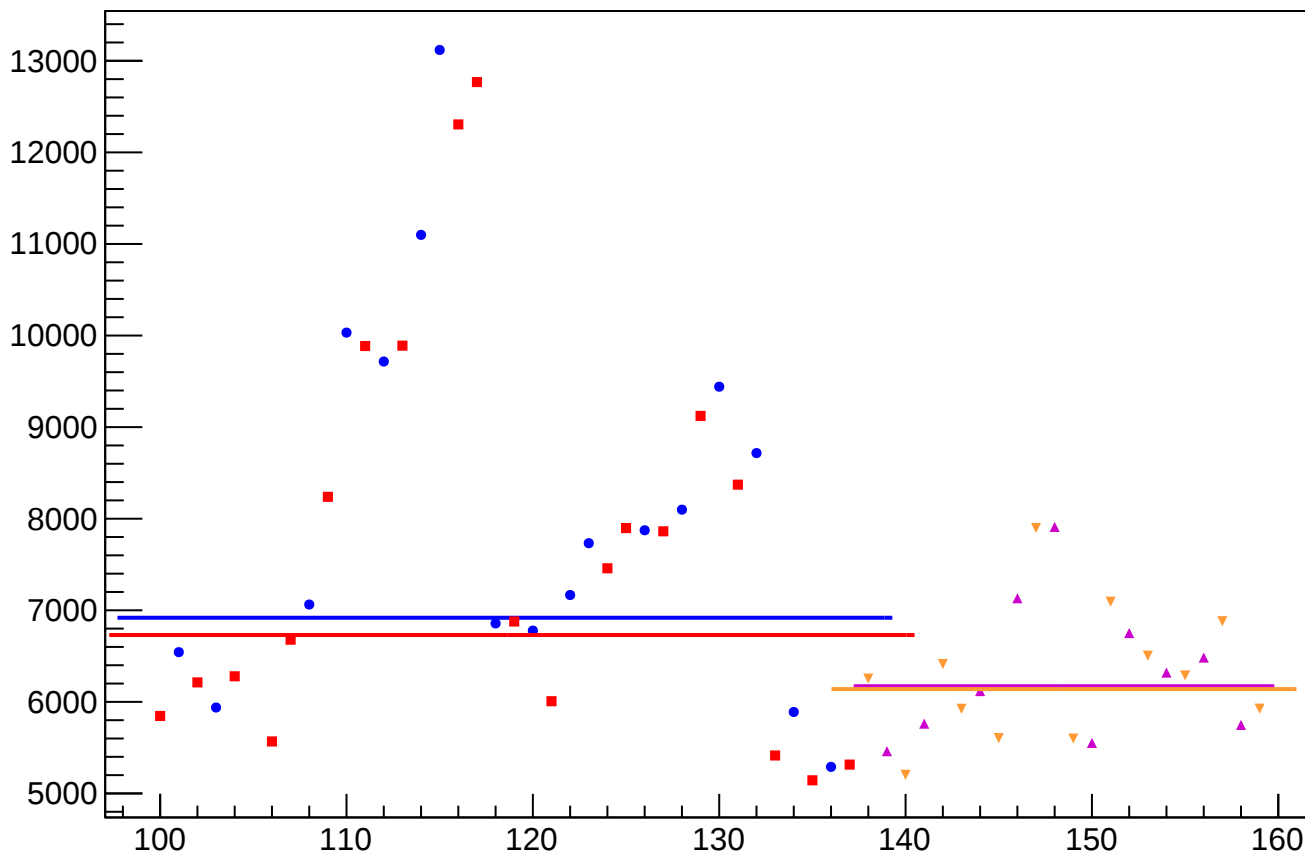
Right Out: 5.332 ± 2.587 χ^2/NDF : 24.1/19

Left In: 3.933 ± 2.177 χ^2/NDF : 17.5/9

1.654 ± 1.653 χ^2/NDF : 27.2/28

4.513 ± 1.666 χ^2/NDF : 41.8/29

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6139.710+/-1.463 χ^2/NDF :214234.1/11

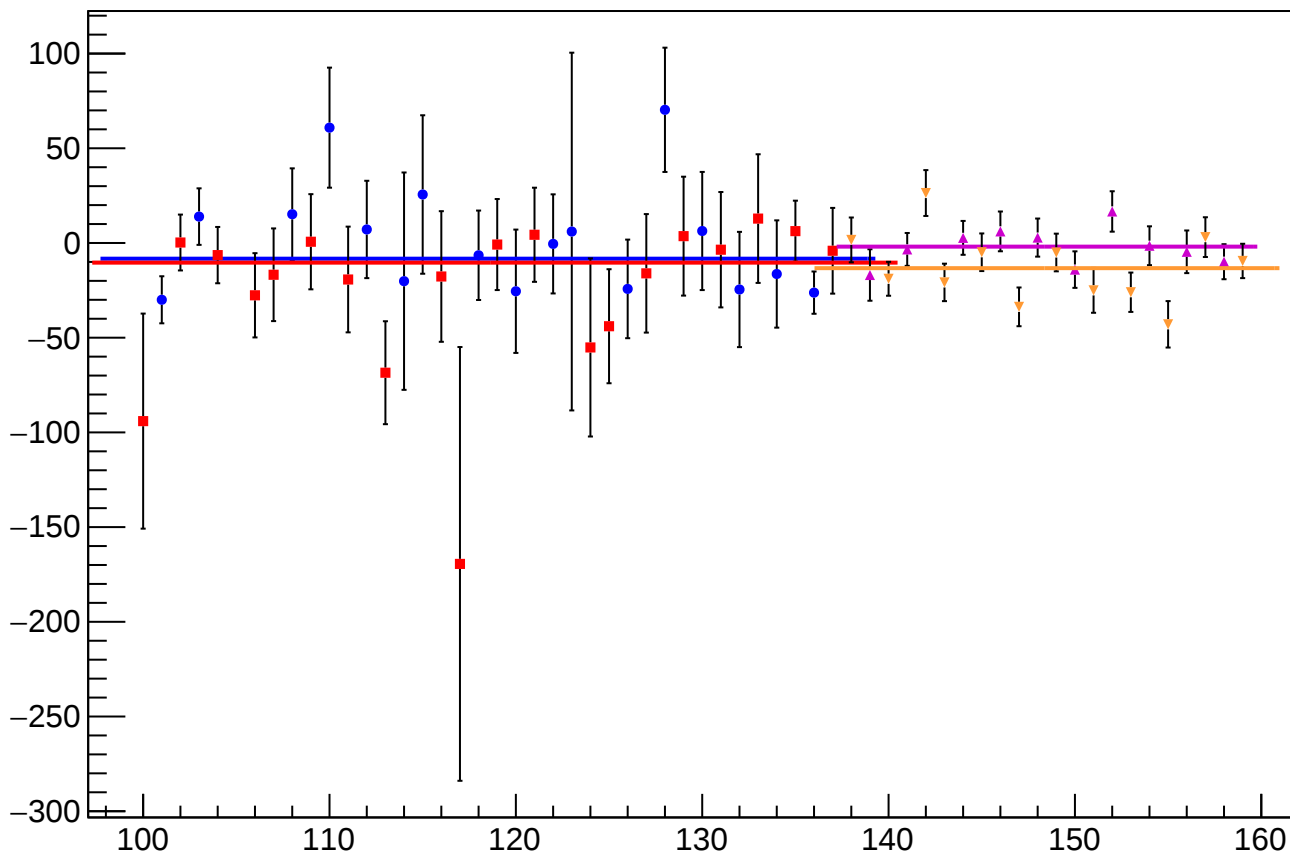
Right Out: 6730.137+/-1.830 χ^2/NDF : 673193.1/19

Left In: 6170.949+/-1.539 χ^2/NDF :185216.6/9

6421.613+/-1.169 χ^2/NDF : 904782.0/28

6402.690+/-1.178 χ^2/NDF : 913114.6/29

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -13.292 ± 3.005 χ^2/NDF : 29.6/11

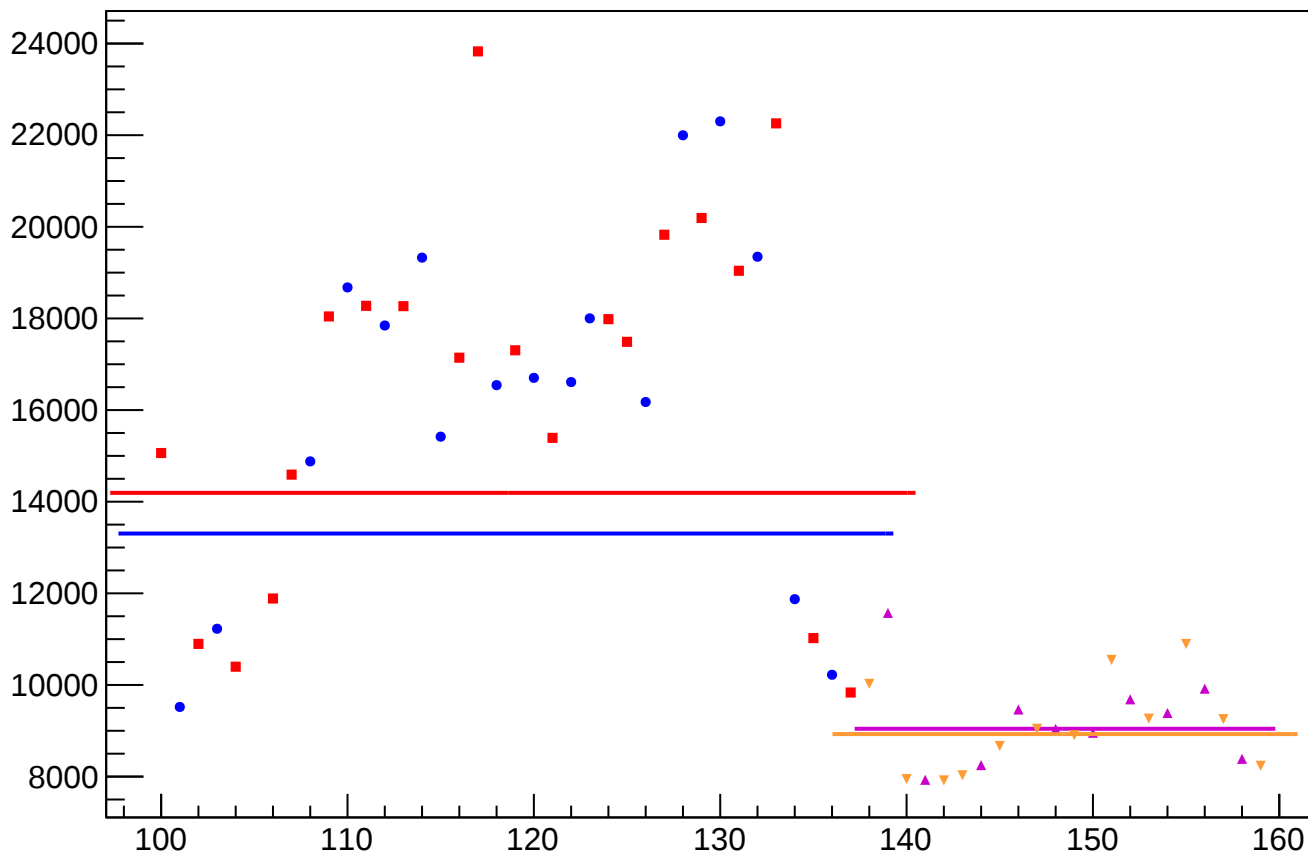
Right Out: -10.376 ± 5.507 χ^2/NDF : 14.8/19

Left In: -1.926 ± 3.181 χ^2/NDF : 7.7/9

-12.112 ± 2.627 χ^2/NDF : 52.0/28

-4.040 ± 2.754 χ^2/NDF : 24.3/29

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8928.292+/-2.125 χ^2/NDF :177862.7/11

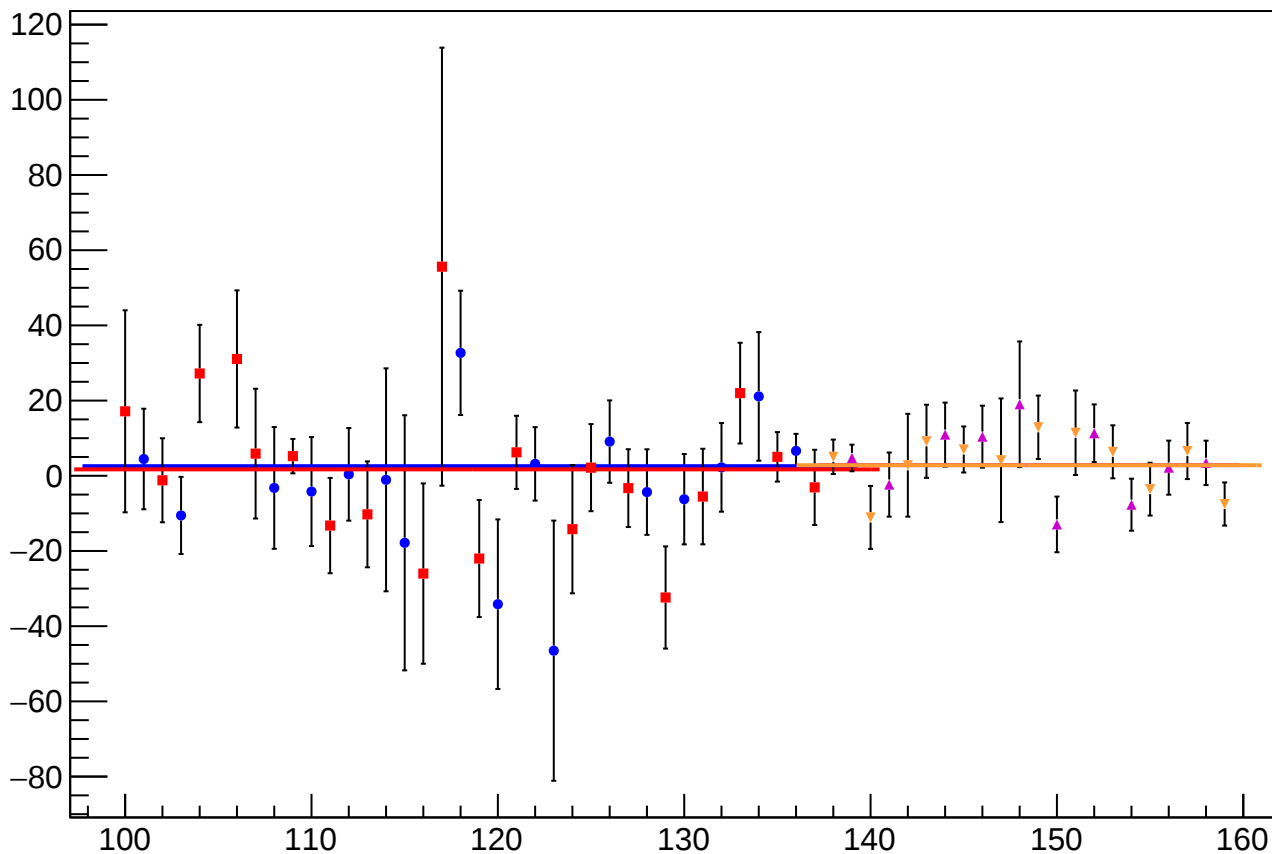
Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

Left In: 9043.755+/-2.249 χ^2/NDF :153047.8/9

9960.098+/-1.857 χ^2/NDF : 2222502.9/28

10332.089+/-1.948 χ^2/NDF : 2409089.8/29

diff_bpm1Y_mean vs Slug



Right In: 2.551+/-2.757 χ^2/NDF : 13.6/16

Left Out: 2.810+/-2.137 χ^2/NDF : 10.5/11

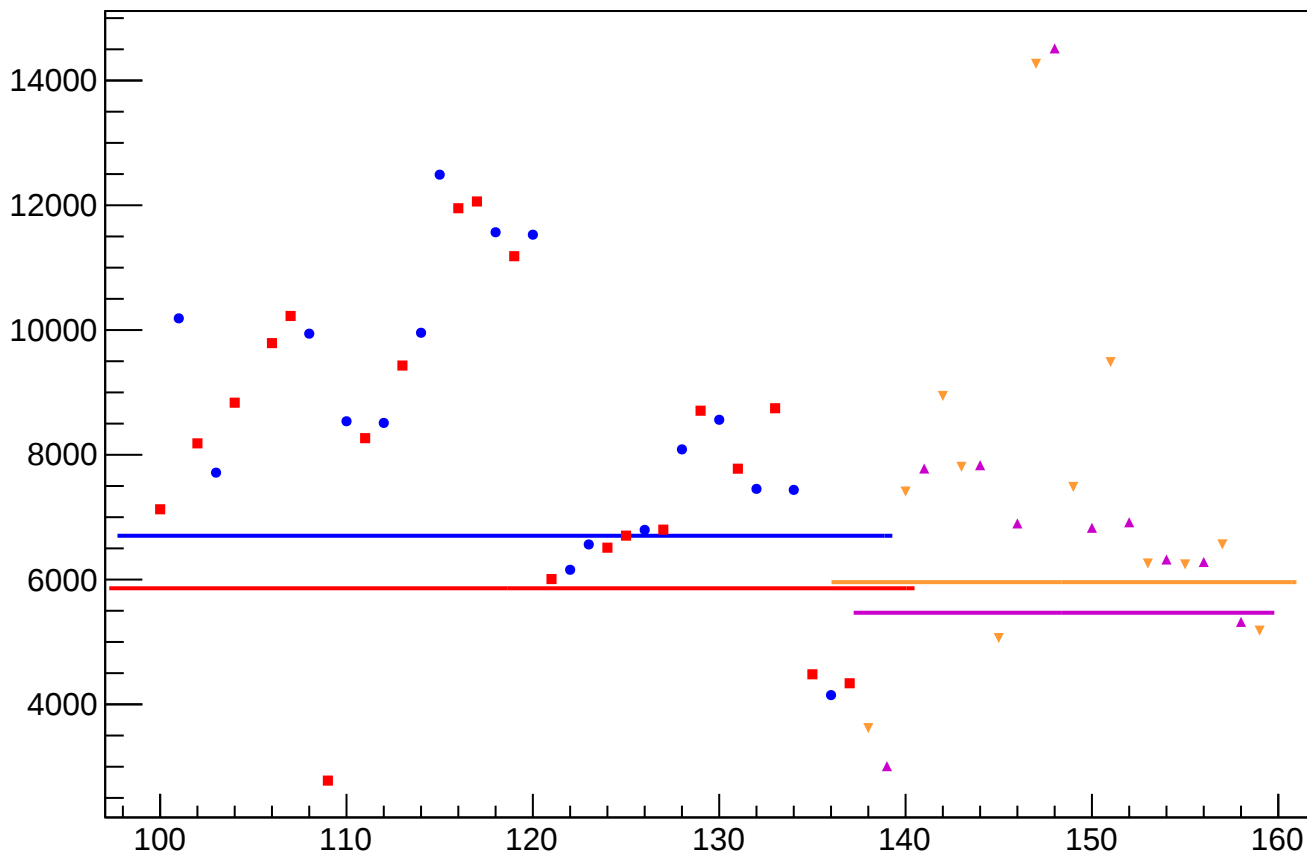
Right Out: 1.708+/-2.440 χ^2/NDF : 24.9/19

Left In: 2.849+/-2.084 χ^2/NDF : 11.5/9

2.713+/-1.689 χ^2/NDF : 24.1/28

2.368+/-1.585 χ^2/NDF : 36.4/29

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5958.732+/-1.511 χ^2/NDF : 1622164.7/11

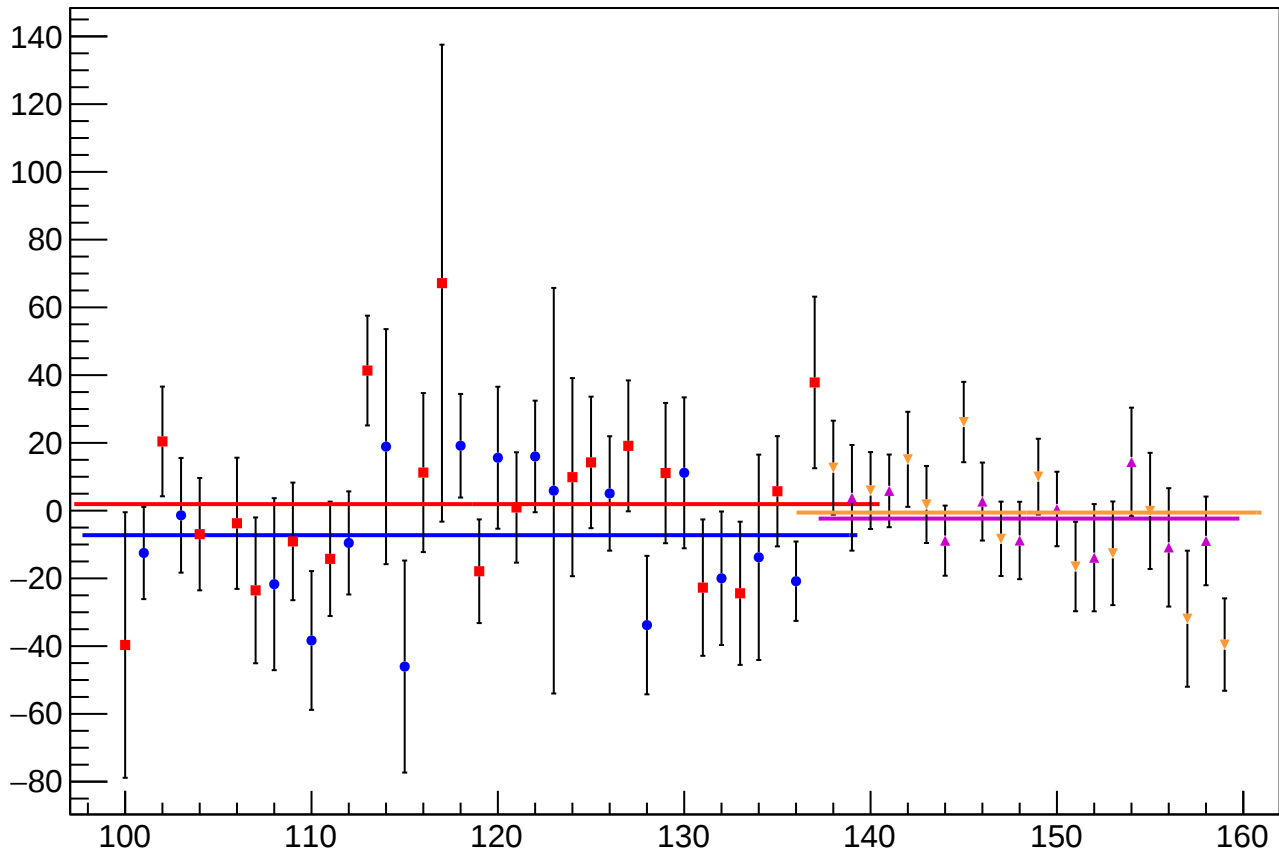
6237.846+/-1.194 χ^2/NDF : 3102987.4/28

Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

5633.696+/-1.121 χ^2/NDF : 4443961.9/29

Left In: 5468.201+/-1.474 χ^2/NDF : 2112912.2/9

diff_bpm11X_mean vs Slug



Right In: -7.245 $\pm$ 4.547 χ^2 /NDF: 15.9/16

Left Out: -0.569 $\pm$ 3.768 χ^2 /NDF: 21.7/11

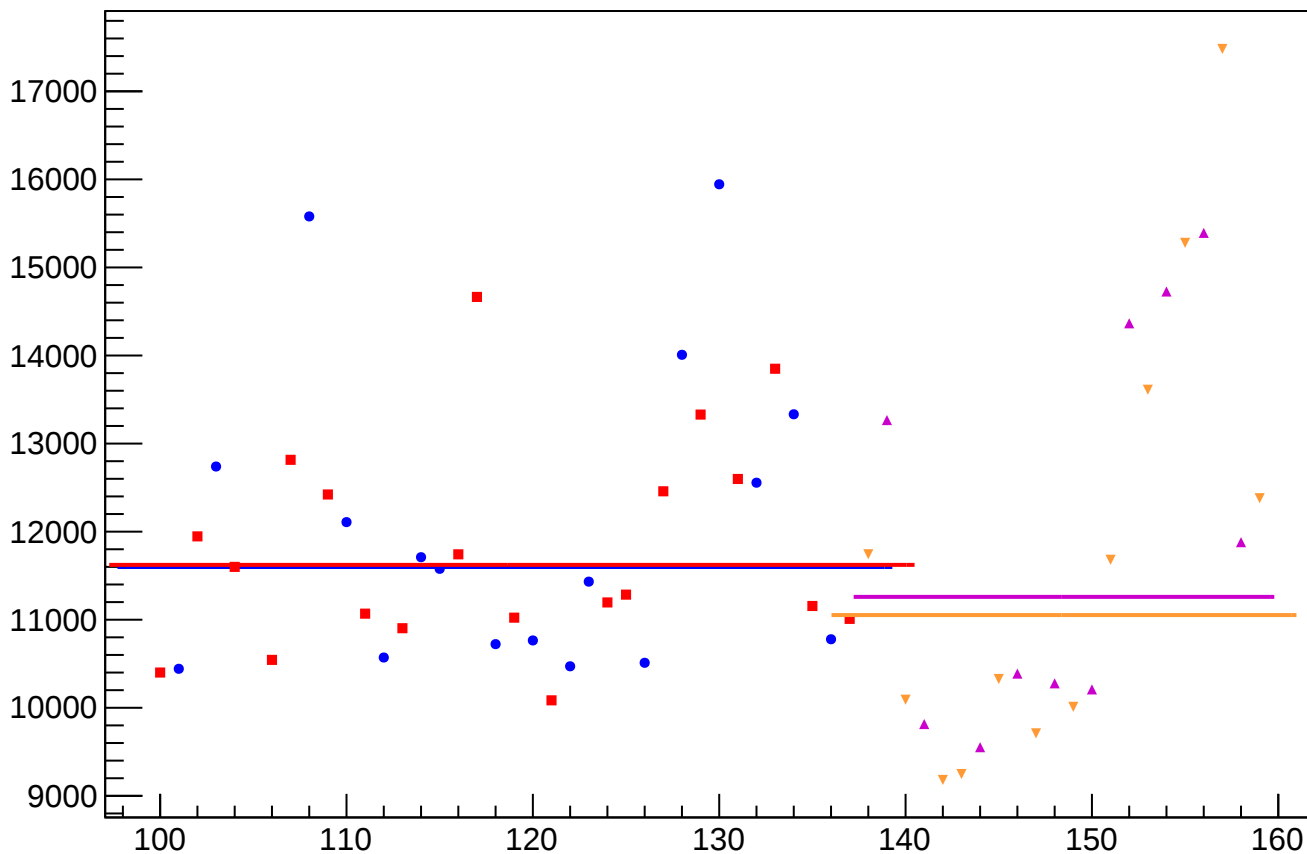
Right Out: 1.922 $\pm$ 4.365 χ^2 /NDF: 20.7/19

Left In: -2.347 $\pm$ 3.996 χ^2 /NDF: 3.8/9

-3.287 $\pm$ 2.901 χ^2 /NDF: 38.9/28

-0.400 $\pm$ 2.947 χ^2 /NDF: 25.1/29

diff_bpm11X_rms vs Slug



Right In: 11598.751 ± 3.215 χ^2/NDF : 235423.8/16

Left Out: 11052.821 ± 2.664 χ^2/NDF : 565913.8/11

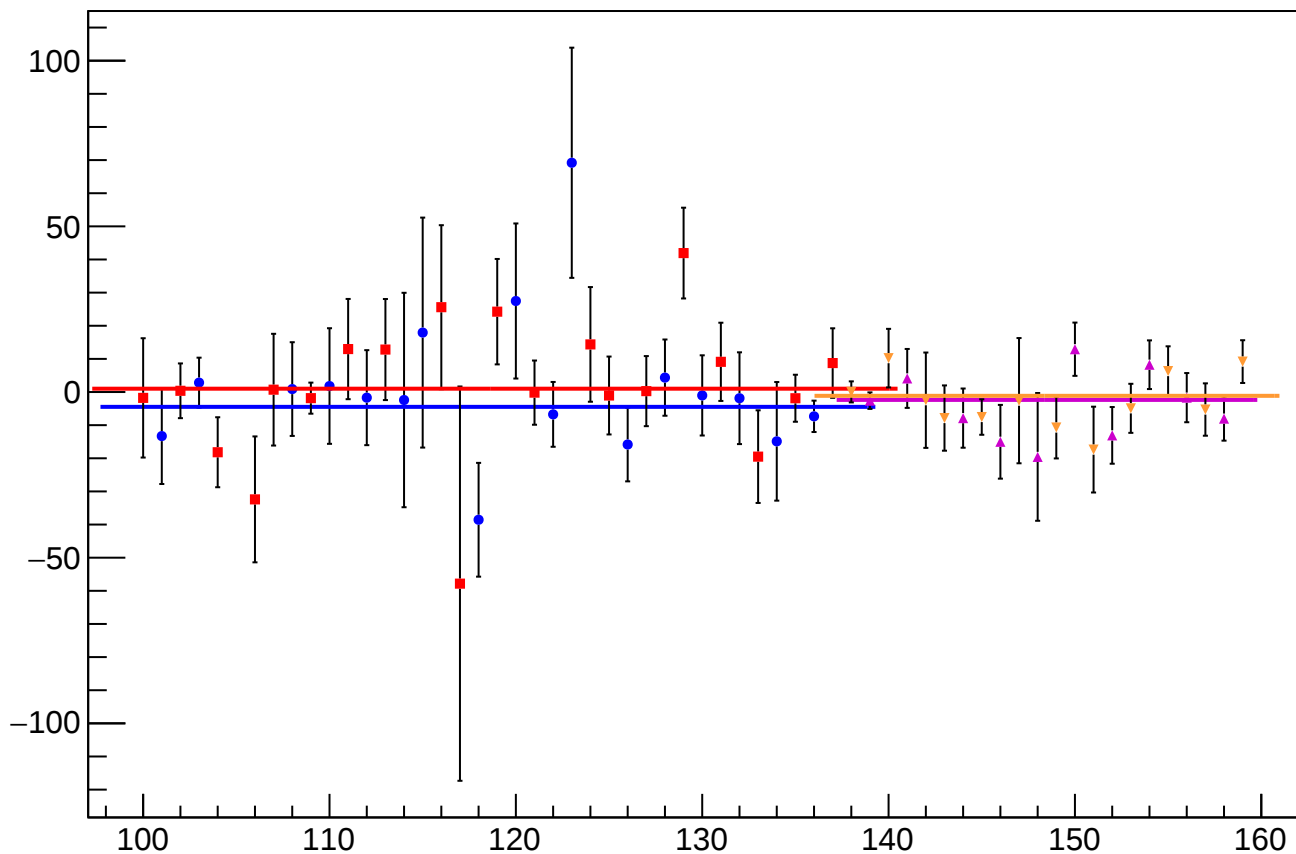
Right Out: 11622.681 ± 3.086 χ^2/NDF : 98197.0/19

Left In: 11259.394 ± 2.826 χ^2/NDF : 455142.1/9

11275.058 ± 2.051 χ^2/NDF : 818432.4/28

11425.061 ± 2.084 χ^2/NDF : 560876.5/29

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -1.147 ± 1.968 χ^2/NDF : 10.4/11

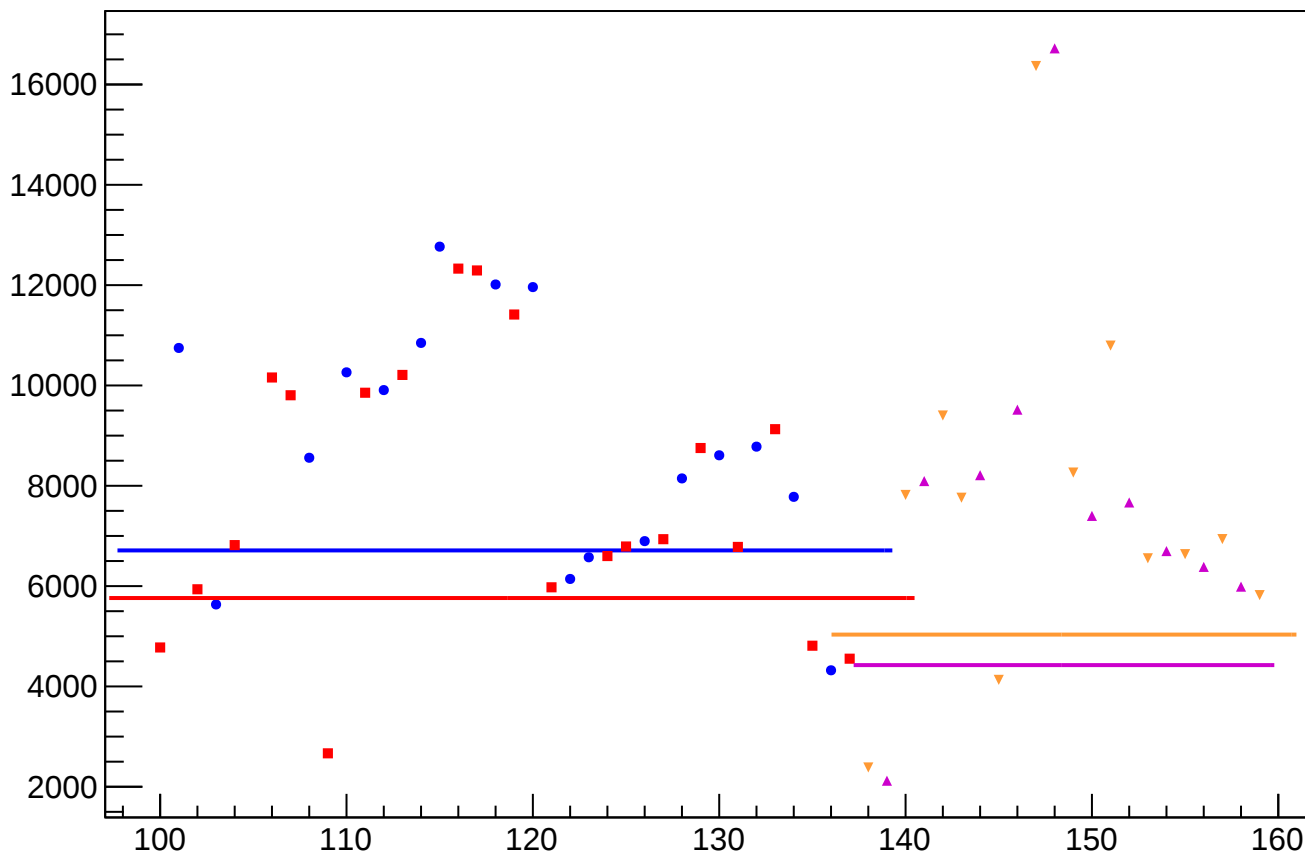
Right Out: 1.007 ± 2.427 χ^2/NDF : 25.0/19

Left In: -2.379 ± 1.871 χ^2/NDF : 11.0/9

-2.257 ± 1.606 χ^2/NDF : 26.2/28

-1.117 ± 1.482 χ^2/NDF : 37.3/29

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 5033.626+/-1.391 χ^2/NDF : 3659841.3/11

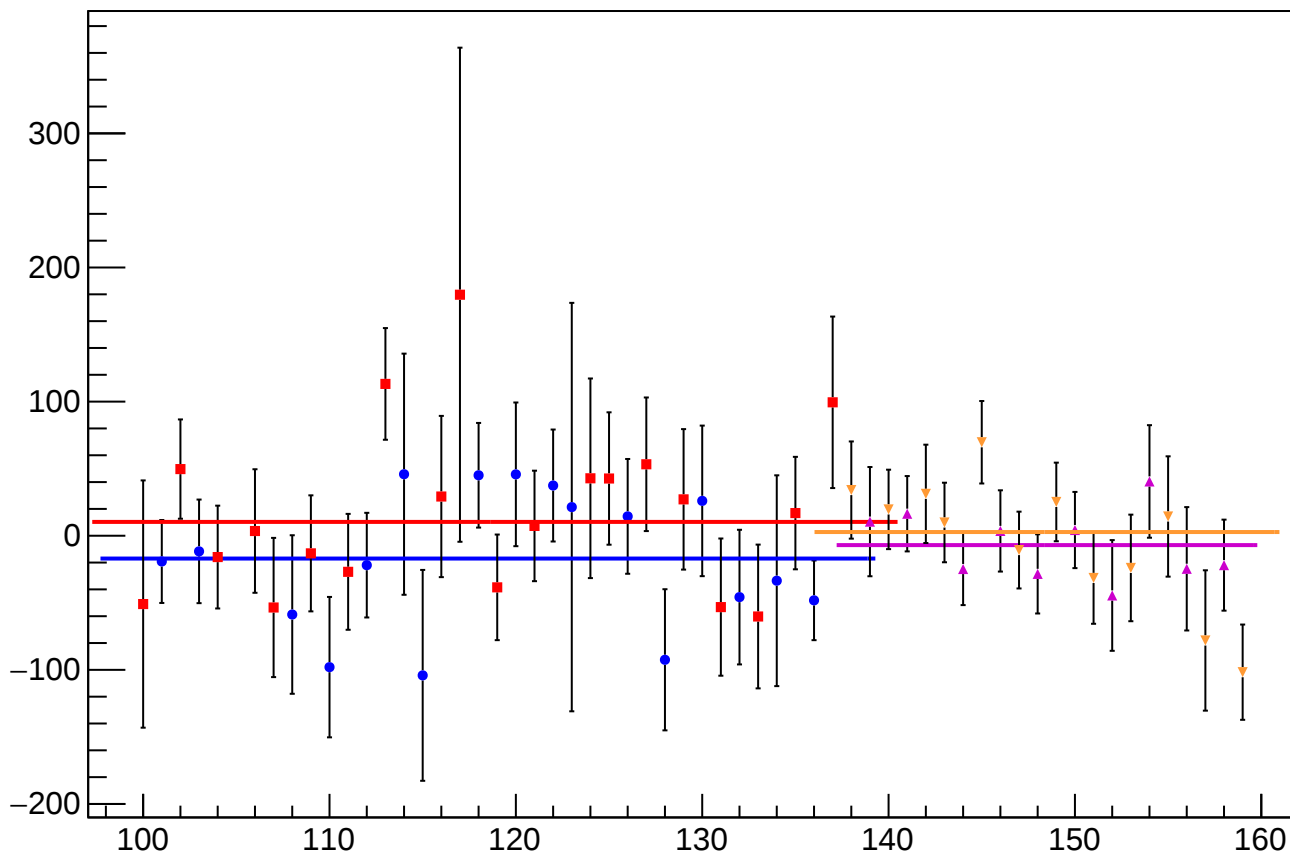
Right Out: 5762.387+/-1.716 χ^2/NDF : 2189239.7/19

Left In: 4425.293+/-1.323 χ^2/NDF : 4646076.6/9

5593.226+/-1.136 χ^2/NDF : 5591824.4/28

4923.841+/-1.048 χ^2/NDF : 7216030.7/29

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 $\chi^2/\text{NDF}: 15.0/16$

Left Out: 2.761 ± 9.820 $\chi^2/\text{NDF}: 19.8/11$

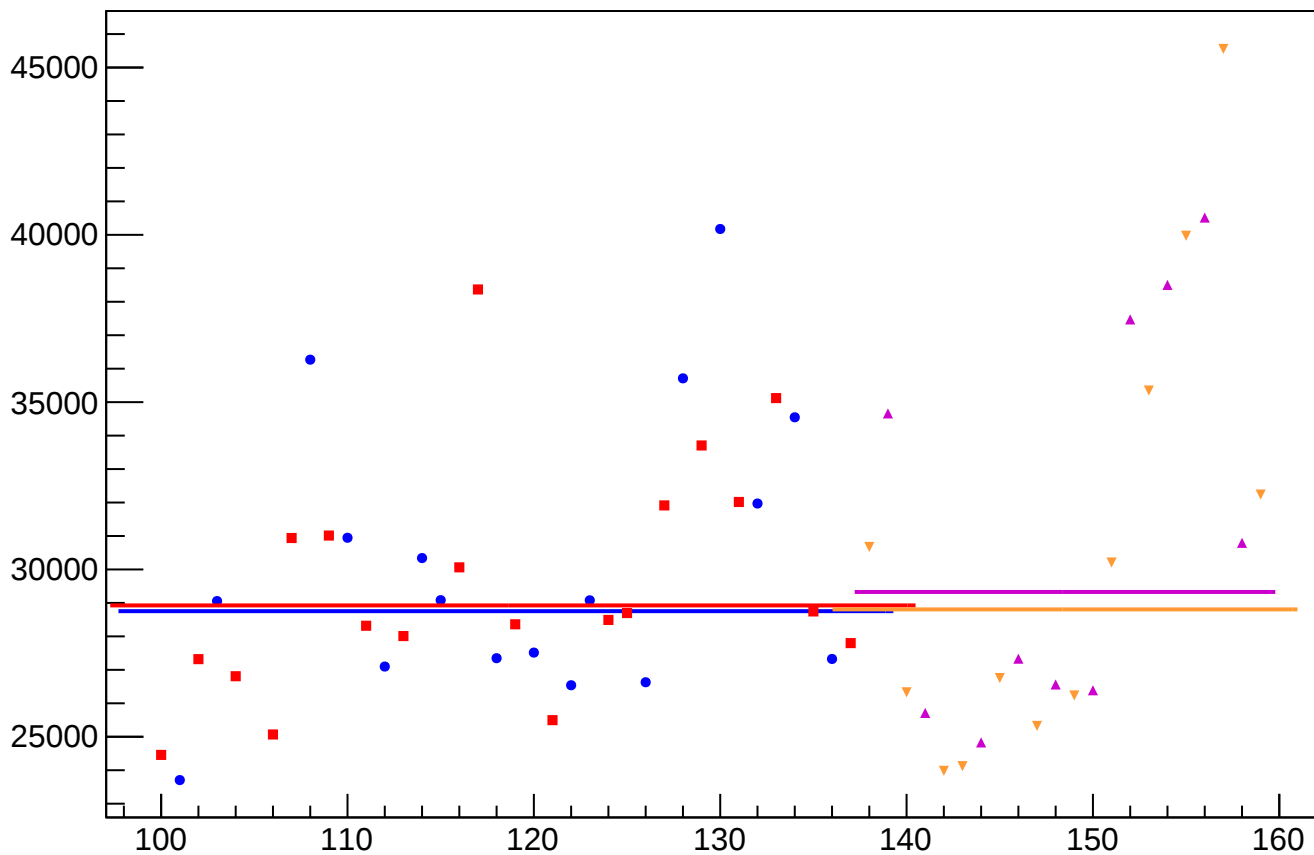
Right Out: 10.311 ± 10.872 $\chi^2/\text{NDF}: 19.9/19$

Left In: -6.986 ± 10.413 $\chi^2/\text{NDF}: 4.6/9$

-5.757 ± 7.409 $\chi^2/\text{NDF}: 36.6/28$

1.290 ± 7.520 $\chi^2/\text{NDF}: 25.8/29$

diff_bpm12X_rms vs Slug



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 28806.304+/-6.944 χ^2/NDF : 562830.8/11

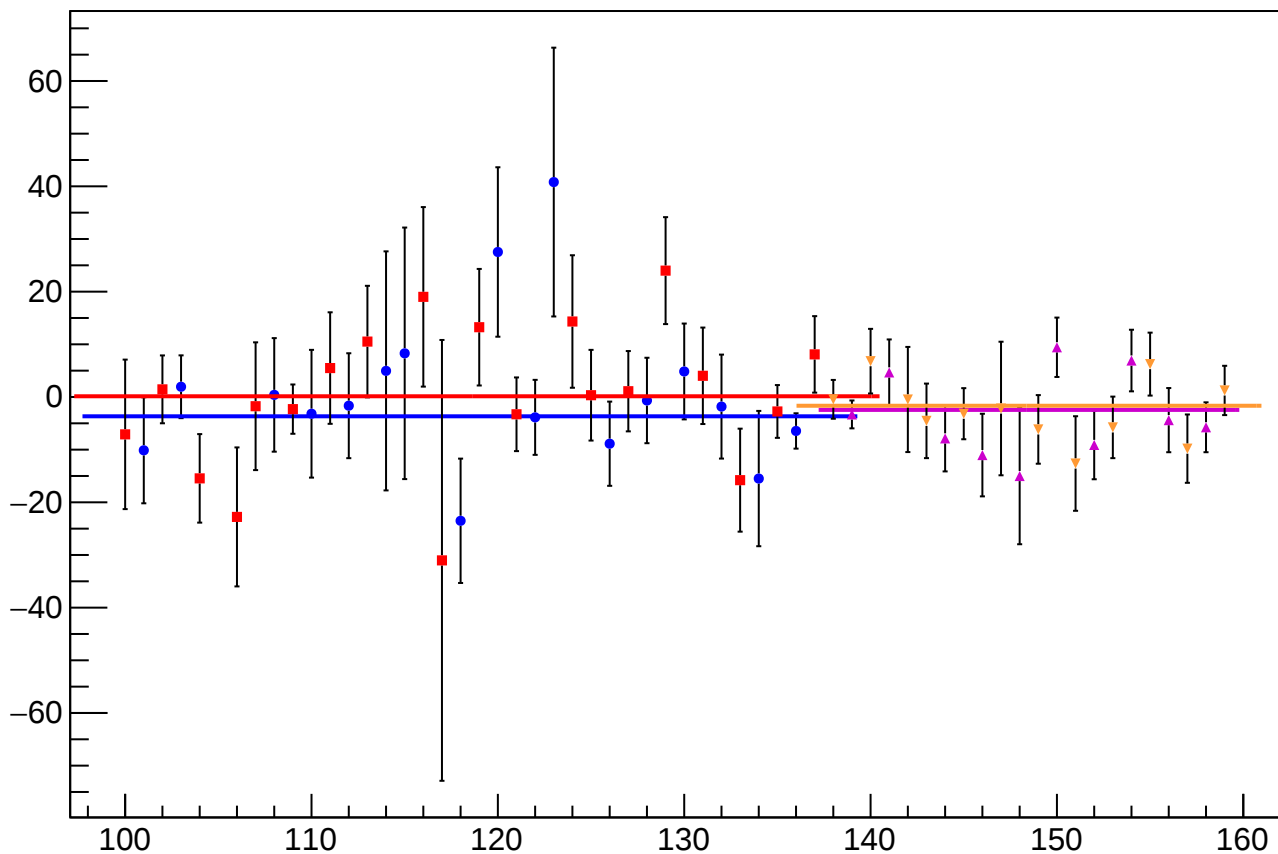
Right Out: 28925.160+/-7.687 χ^2/NDF : 116514.7/19

Left In: 29327.525+/-7.363 χ^2/NDF : 466510.6/9

28783.677+/-5.239 χ^2/NDF : 812070.6/28

29135.012+/-5.317 χ^2/NDF : 584454.2/29

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -1.664 ± 1.711 χ^2/NDF : 8.5/11

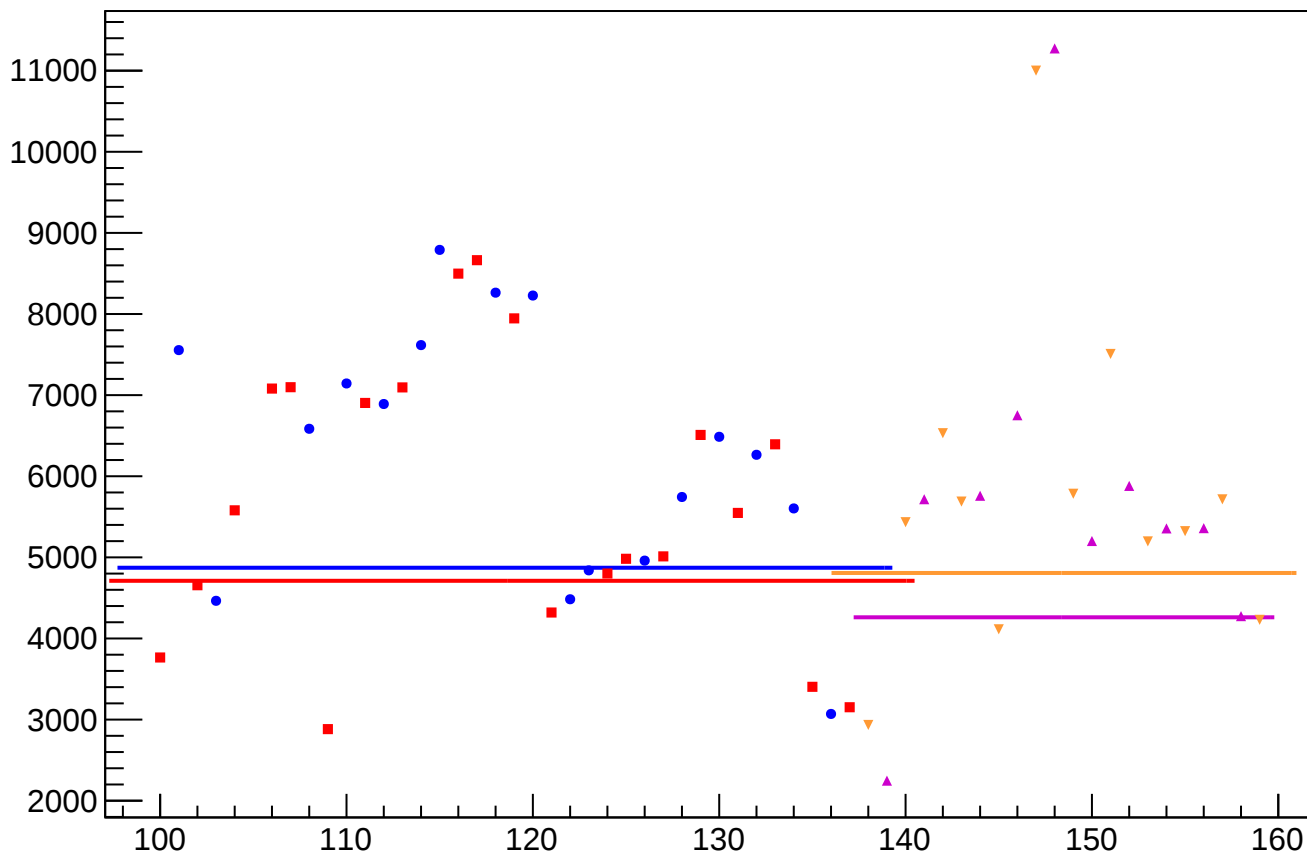
Right Out: 0.135 ± 1.891 χ^2/NDF : 22.9/19

Left In: -2.455 ± 1.640 χ^2/NDF : 12.9/9

-2.506 ± 1.303 χ^2/NDF : 23.5/28

-1.342 ± 1.239 χ^2/NDF : 36.9/29

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4807.608+/-1.210 χ^2/NDF : 1465766.2/11

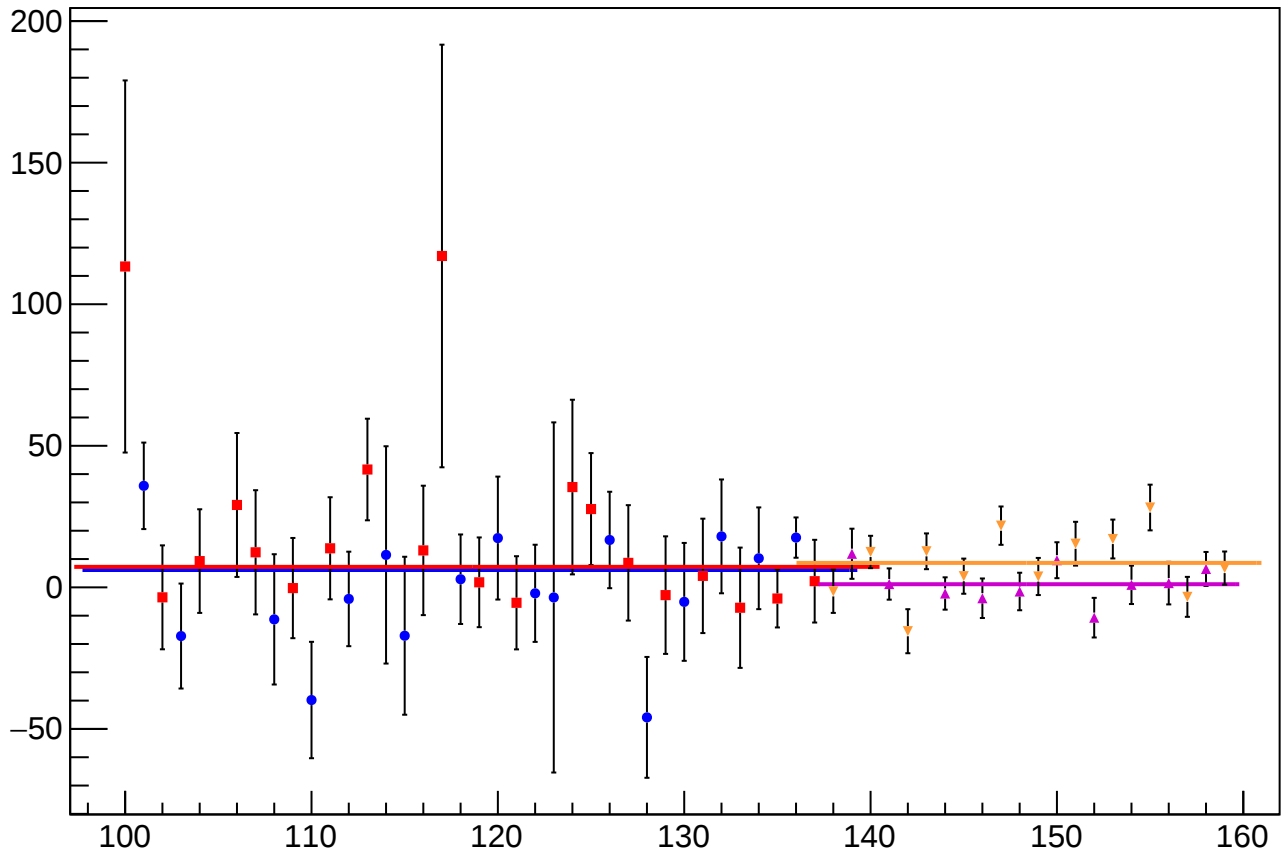
Right Out: 4711.077+/-1.337 χ^2/NDF : 1330595.4/19

Left In: 4261.077+/-1.160 χ^2/NDF : 2483089.5/9

4834.710+/-0.921 χ^2/NDF : 2872213.7/28

4454.301+/-0.876 χ^2/NDF : 3878329.5/29

diff_bpm16X_mean vs Slug



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 8.643 ± 1.950 χ^2/NDF : 28.3/11

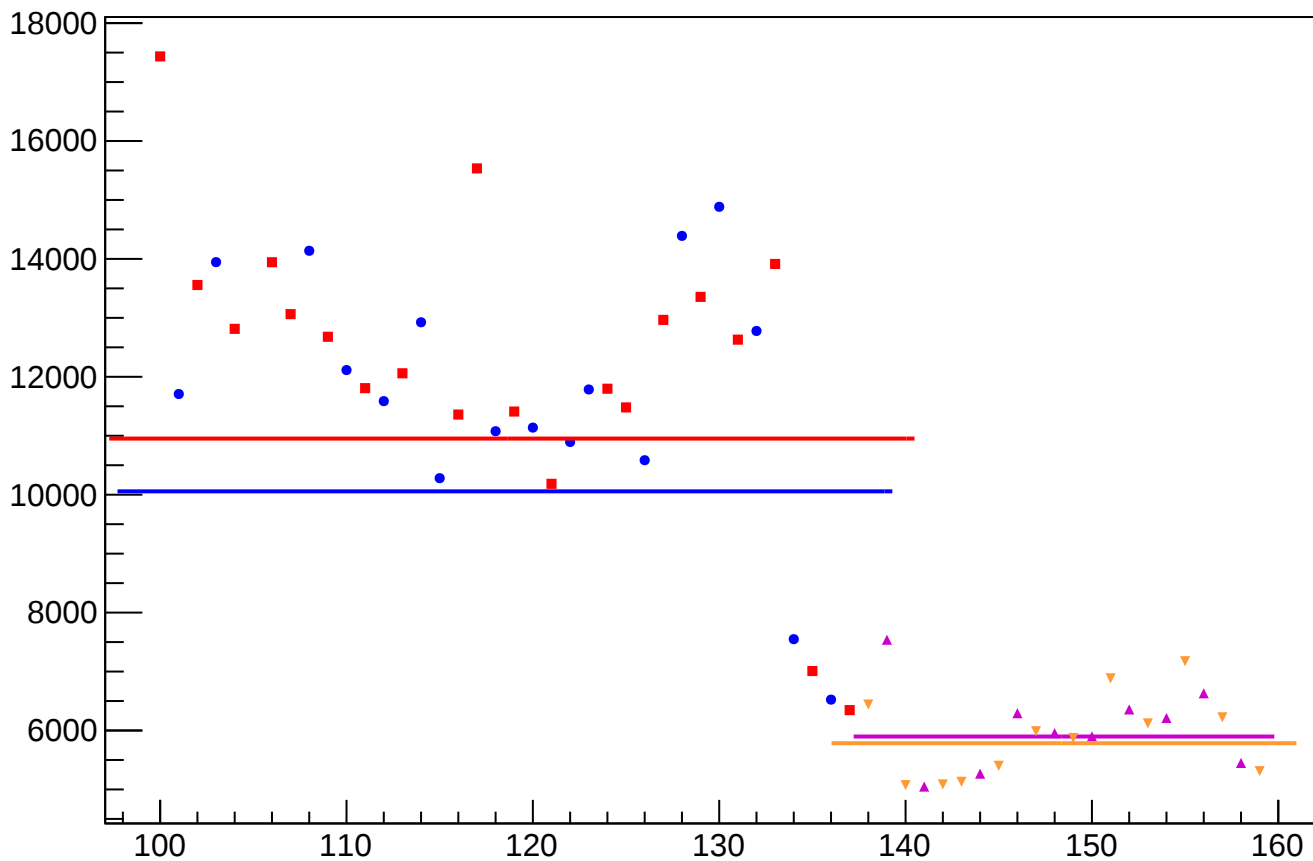
Right Out: 7.243 ± 4.218 χ^2/NDF : 14.6/19

Left In: 1.108 ± 2.077 χ^2/NDF : 7.9/9

8.176 ± 1.759 χ^2/NDF : 50.8/28

2.305 ± 1.863 χ^2/NDF : 24.2/29

diff_bpm16X_rms vs Slug



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5784.093 $\pm$ 1.379 χ^2 /NDF:218808.7/11

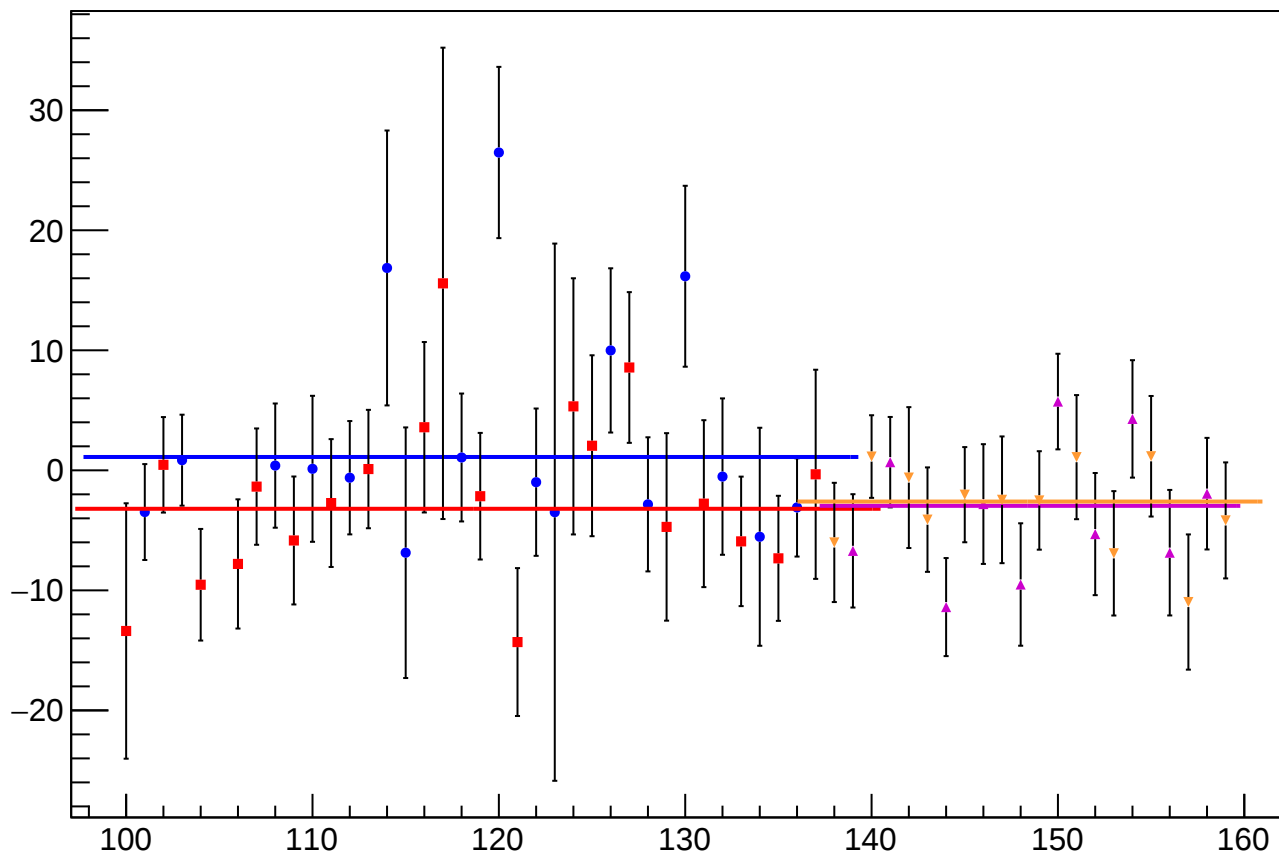
Right Out: 10952.255 $\pm$ 2.982 χ^2 /NDF: 770474.3/19

Left In: 5897.800 $\pm$ 1.468 χ^2 /NDF:190074.9/9

6578.256 $\pm$ 1.244 χ^2 /NDF: 3007393.3/28

6884.027 $\pm$ 1.317 χ^2 /NDF: 3272443.4/29

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.601 ± 1.343 χ^2/NDF : 6.0/11

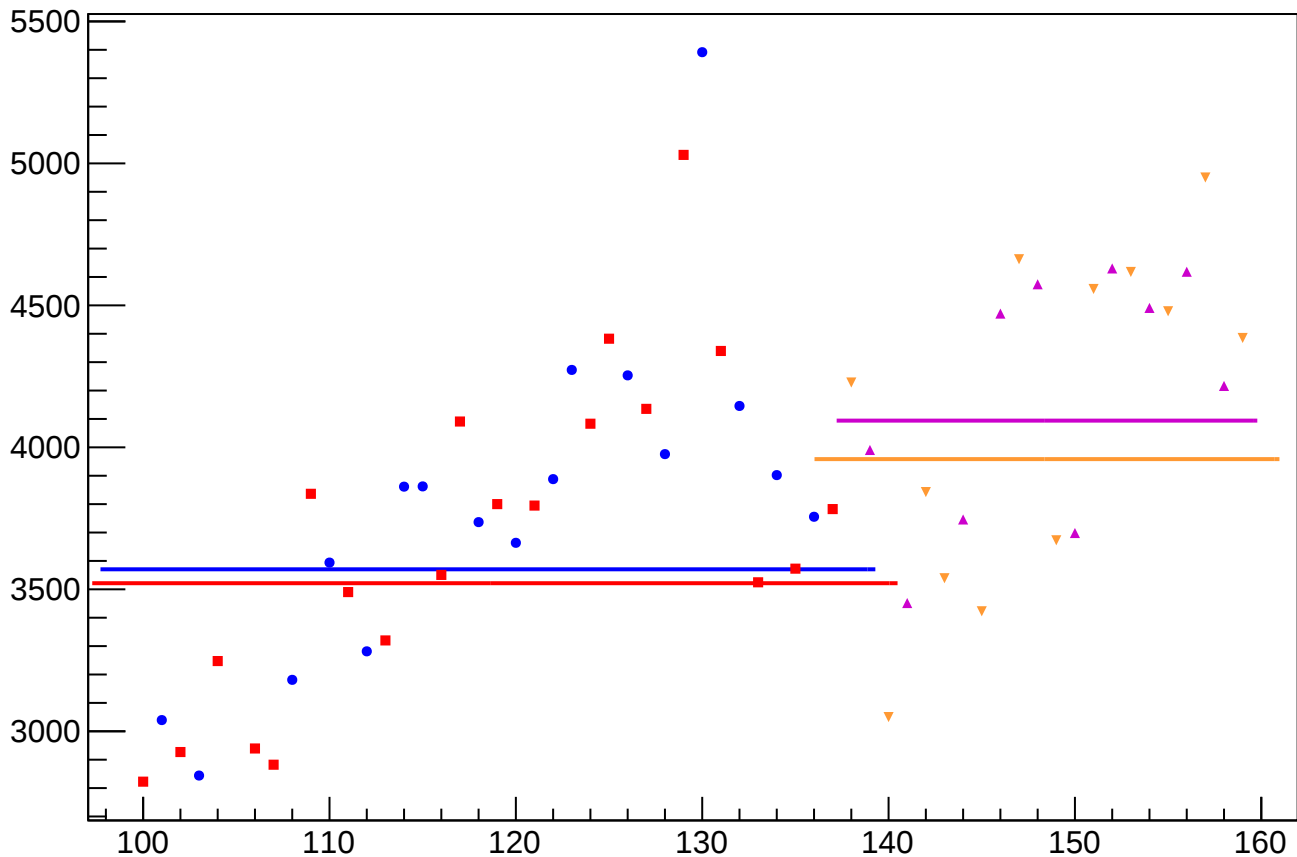
Right Out: -3.204 ± 1.331 χ^2/NDF : 16.0/19

Left In: -2.958 ± 1.443 χ^2/NDF : 15.2/9

-0.825 ± 0.970 χ^2/NDF : 34.3/28

-3.091 ± 0.978 χ^2/NDF : 31.2/29

diff_bpm16Y_rms vs Slug



Right In: 3570.481 ± 0.992 $\chi^2/\text{NDF}: 309699.2/16$

Left Out: 3958.555 ± 0.950 $\chi^2/\text{NDF}: 404789.8/11$

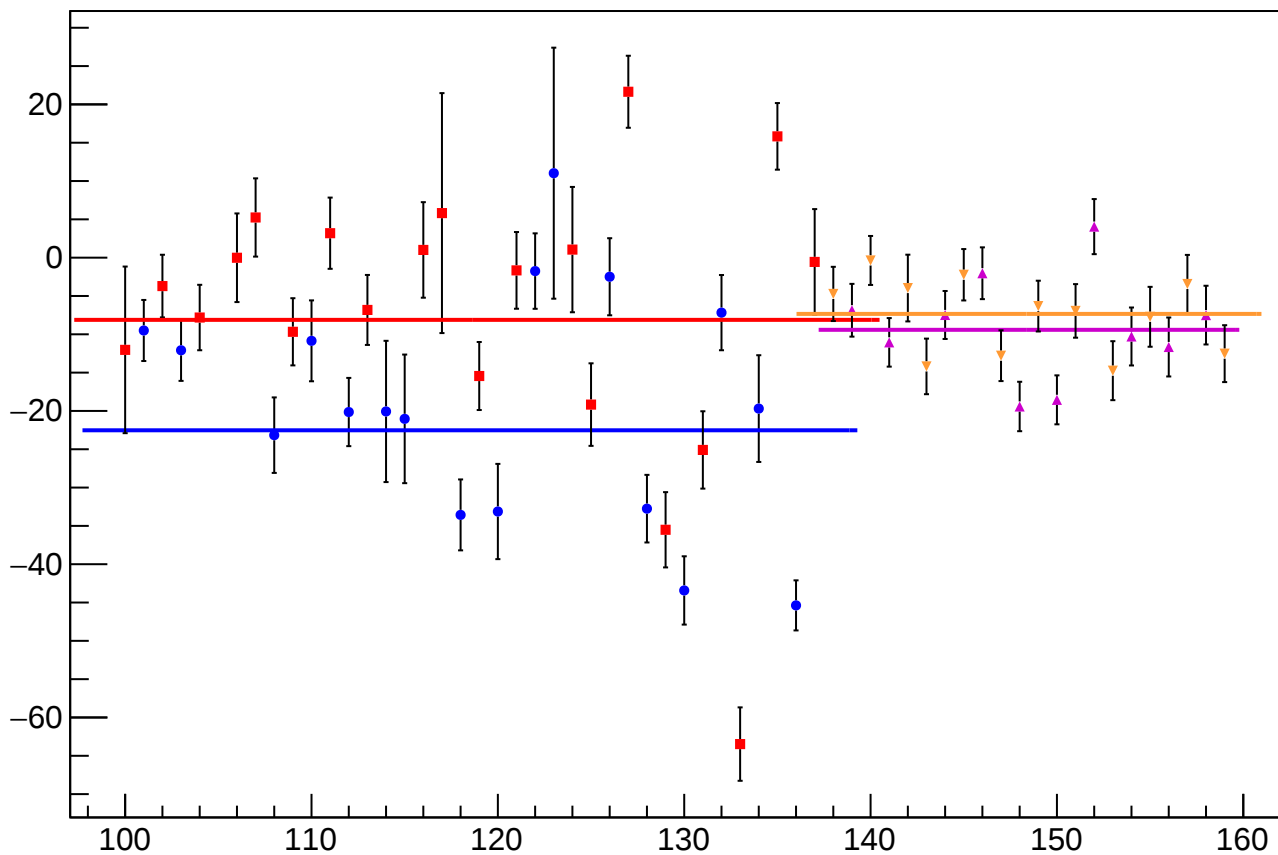
Right Out: 3521.513 ± 0.941 $\chi^2/\text{NDF}: 295082.3/19$

Left In: 4094.112 ± 1.020 $\chi^2/\text{NDF}: 179390.8/9$

3772.965 ± 0.686 $\chi^2/\text{NDF}: 794348.4/28$

3784.613 ± 0.692 $\chi^2/\text{NDF}: 644667.4/29$

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -7.338 ± 1.034 χ^2/NDF : 21.3/11

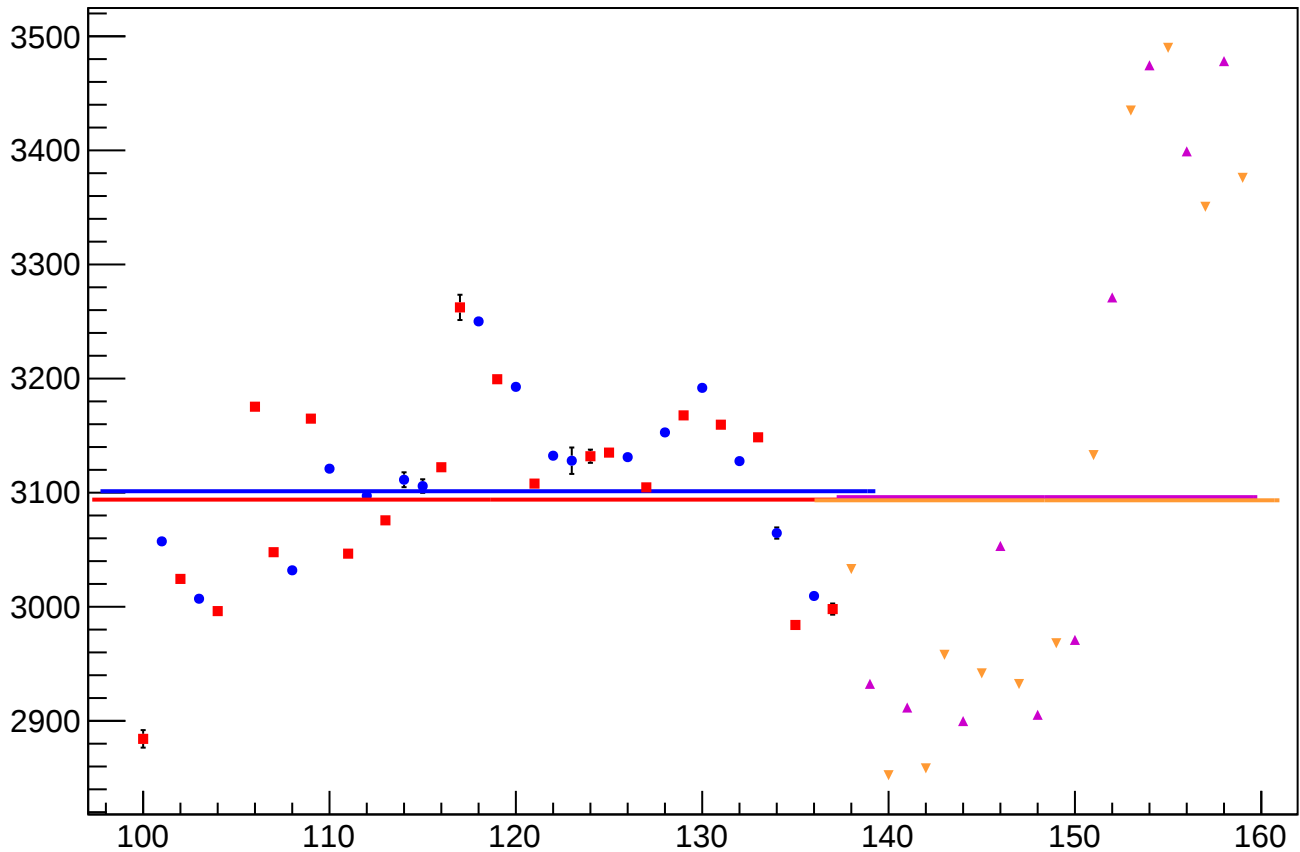
Right Out: -8.116 ± 1.154 χ^2/NDF : 276.6/19

Left In: -9.415 ± 1.084 χ^2/NDF : 38.5/9

-13.809 ± 0.784 χ^2/NDF : 268.7/28

-8.806 ± 0.790 χ^2/NDF : 315.8/29

diff_bpm0l01X_rms vs Slug



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 3093.320+/-0.731 χ^2/NDF : 89655.6/11

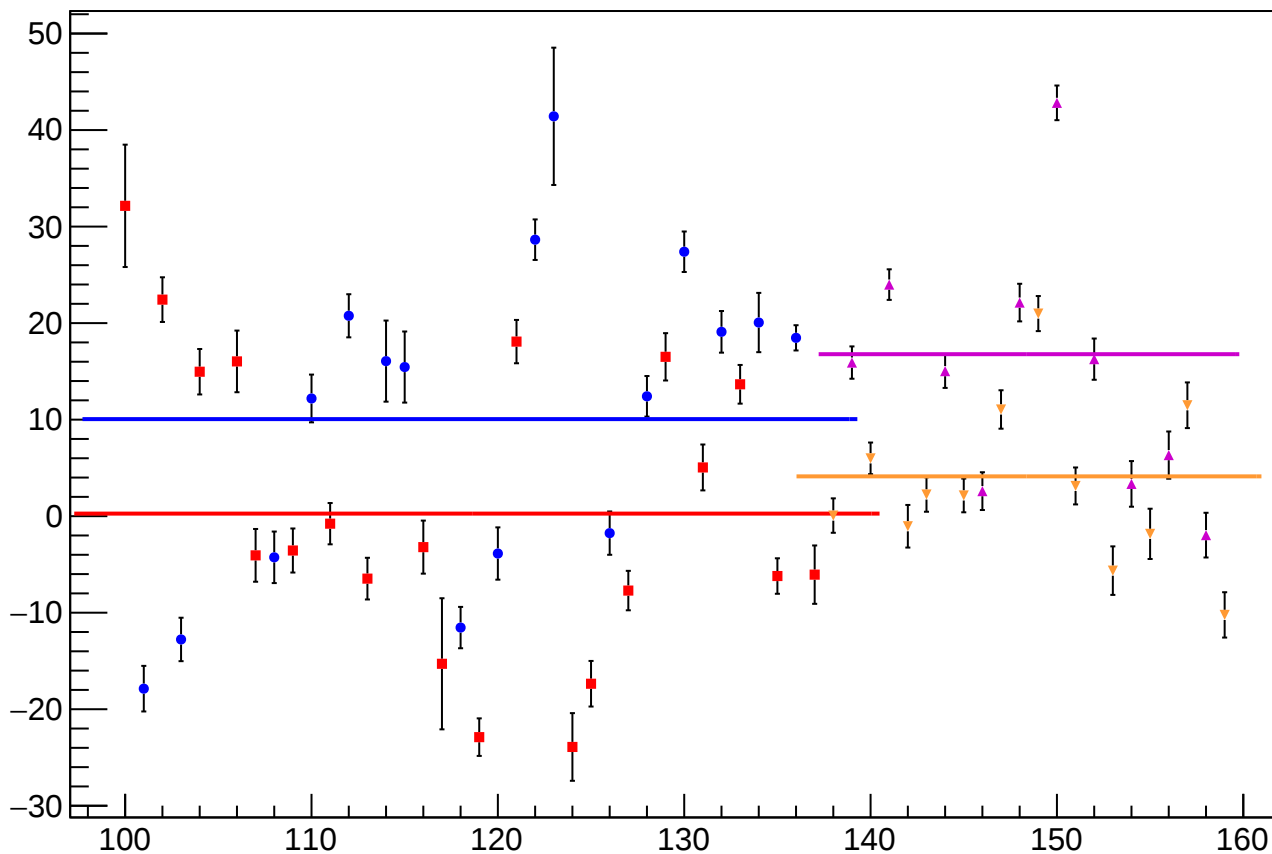
Right Out: 3093.913+/-0.816 χ^2/NDF : 7998.9/19

Left In: 3096.082+/-0.767 χ^2/NDF : 86642.4/9

3096.707+/-0.554 χ^2/NDF : 96939.7/28

3095.065+/-0.559 χ^2/NDF : 94645.0/29

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 $\pm$ 0.562 χ^2 /NDF: 692.2/16

Left Out: 4.123 $\pm$ 0.575 χ^2 /NDF:180.3/11

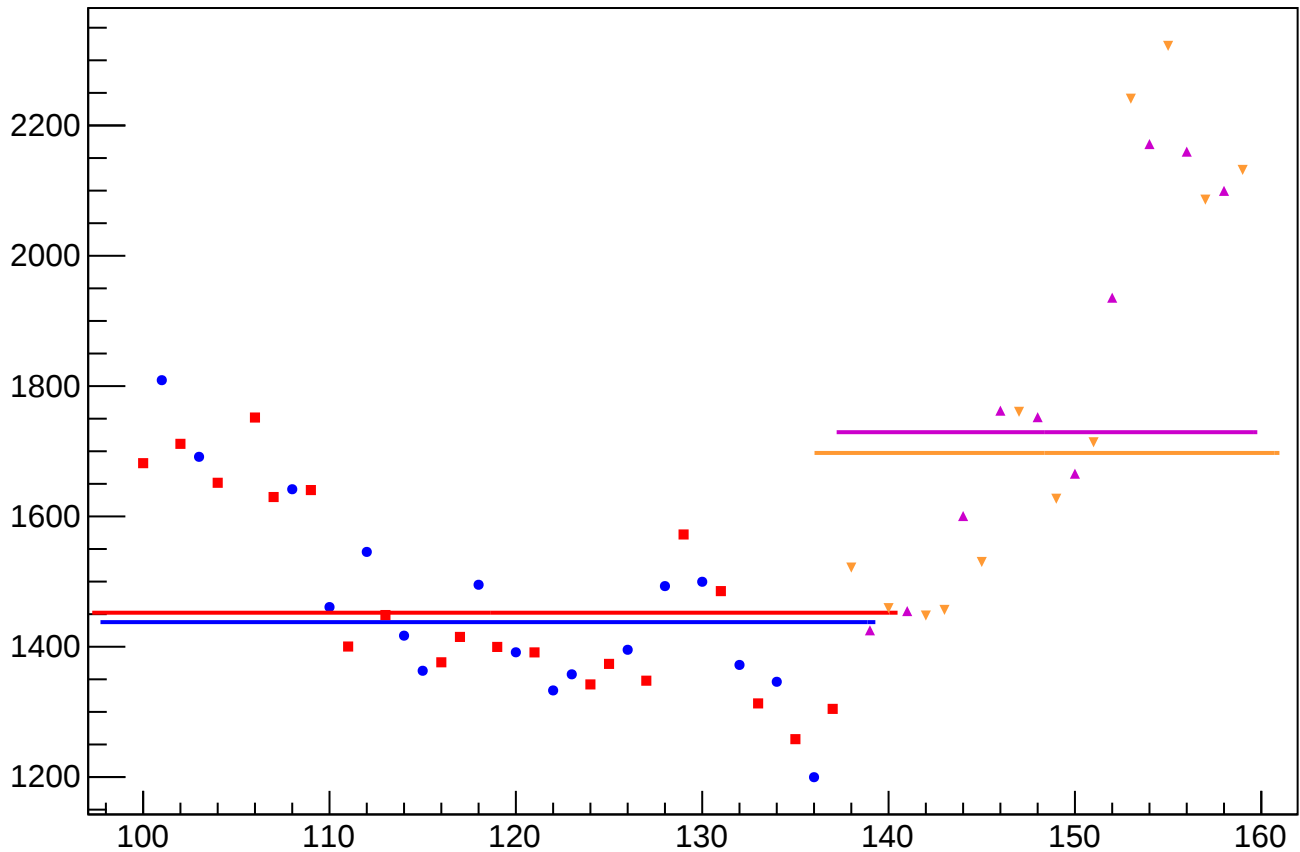
Right Out: 0.266 $\pm$ 0.545 χ^2 /NDF: 635.1/19

Left In: 16.781 $\pm$ 0.612 χ^2 /NDF:408.6/9

7.158 $\pm$ 0.402 χ^2 /NDF: 927.0/28

7.579 $\pm$ 0.407 χ^2 /NDF: 1450.0/29

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1697.424 $\pm$ 0.406 χ^2 /NDF: 478168.3/11

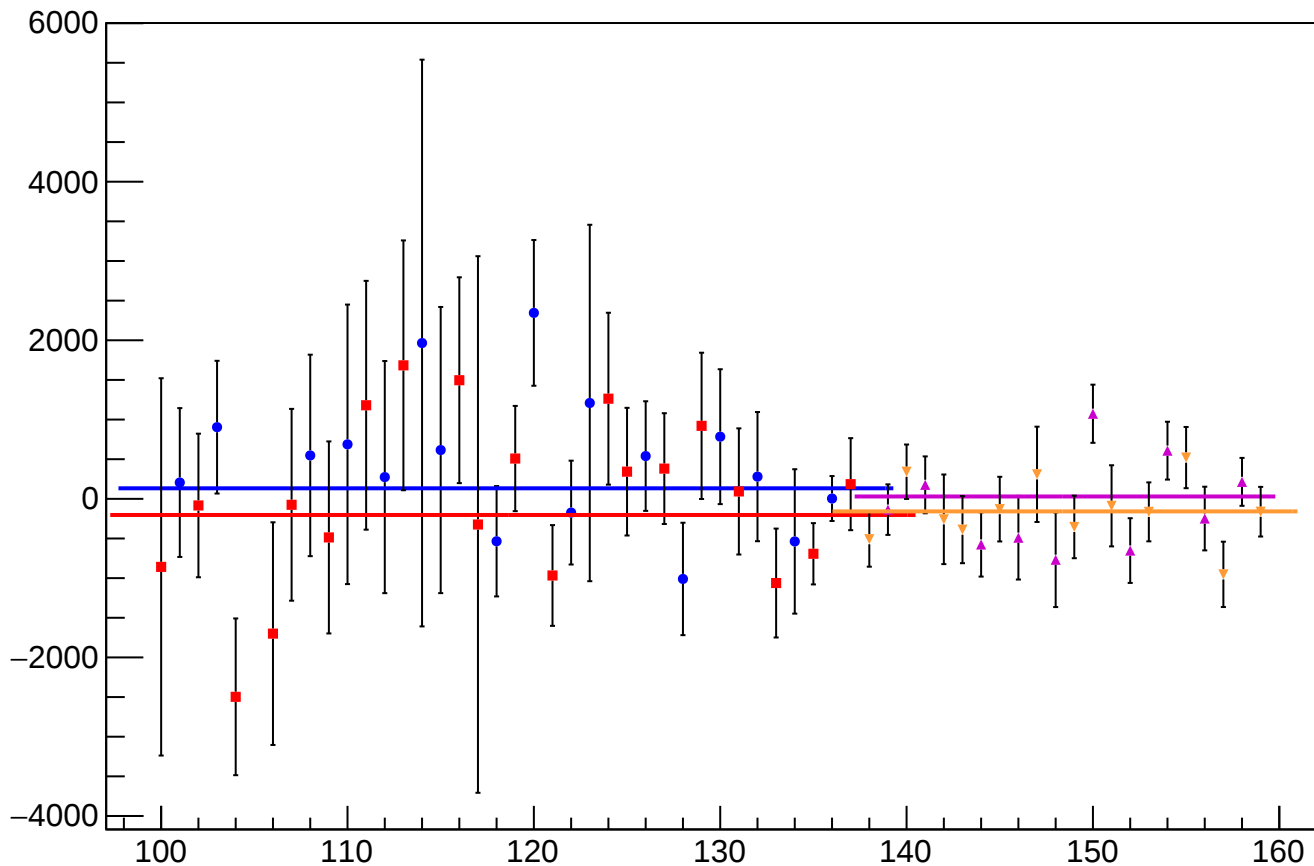
Right Out: 1452.227 $\pm$ 0.386 χ^2 /NDF: 138666.1/19

Left In: 1729.270 $\pm$ 0.433 χ^2 /NDF: 342100.8/9

1564.596 $\pm$ 0.284 χ^2 /NDF: 860157.6/28

1574.895 $\pm$ 0.288 χ^2 /NDF: 709378.1/29

asym_sam1_mean vs Slug



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -158.138 $\pm$ 115.806 χ^2 /NDF:11.2/11

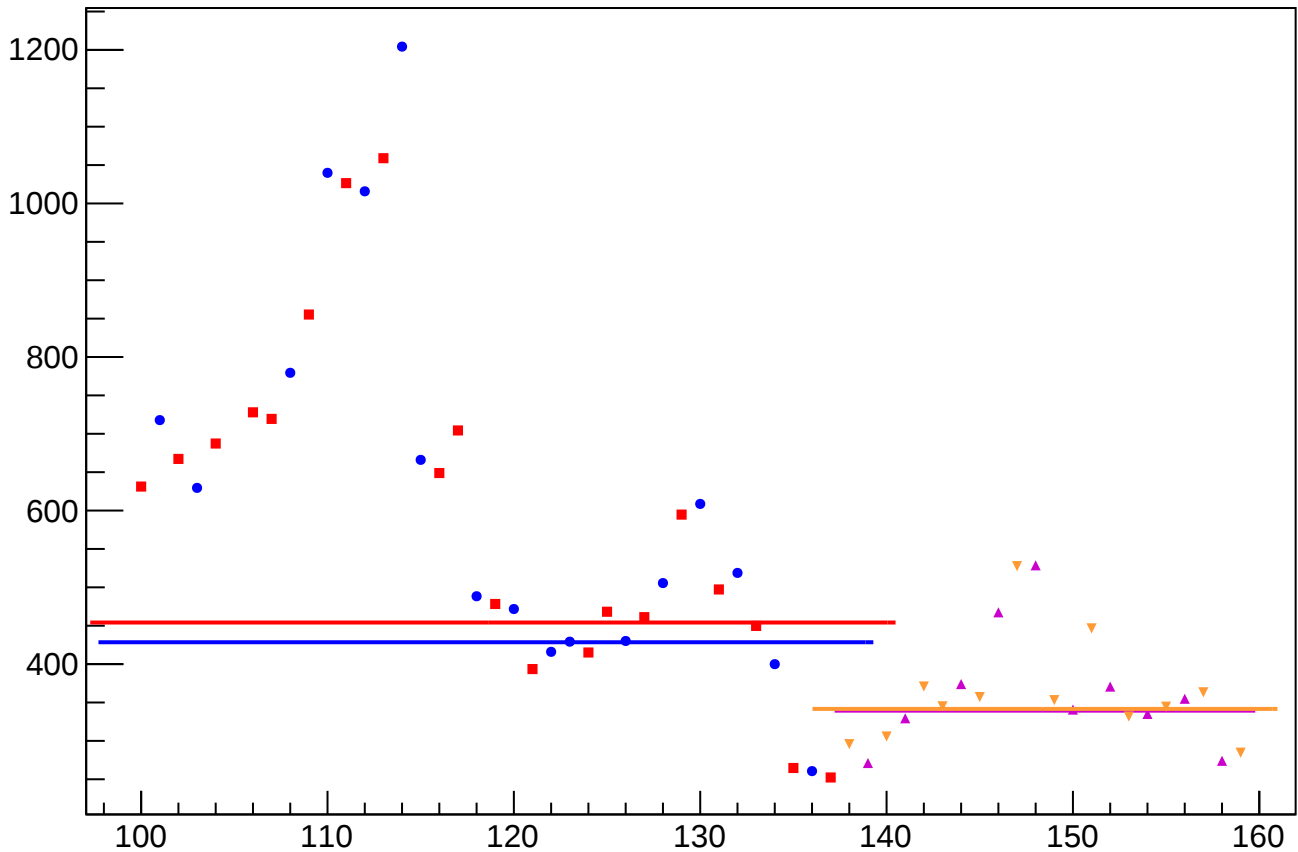
Right Out: -203.418 $\pm$ 184.080 χ^2 /NDF: 21.4/19

Left In: 29.947 $\pm$ 121.060 χ^2 /NDF:19.7/9

-73.112 $\pm$ 97.434 χ^2 /NDF: 25.9/28

-40.511 $\pm$ 101.147 χ^2 /NDF: 42.2/29

asym_sam1_rms vs Slug



Right In: 428.460 ± 0.127 $\chi^2/\text{NDF}: 2011453.8/16$

Left Out: 341.649 ± 0.082 $\chi^2/\text{NDF}: 415816.6/11$

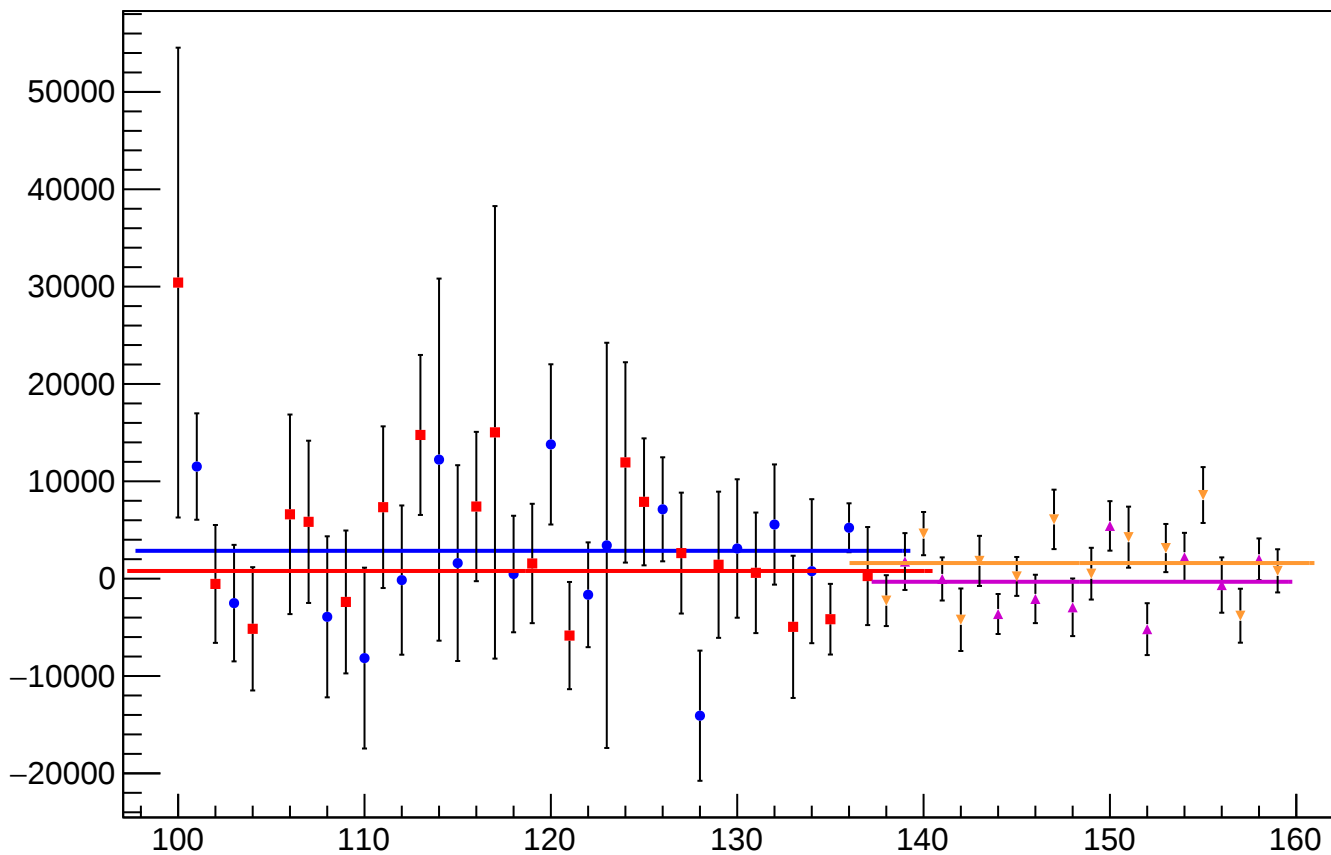
Right Out: 454.177 ± 0.130 $\chi^2/\text{NDF}: 2040775.1/19$

Left In: 339.378 ± 0.086 $\chi^2/\text{NDF}: 535495.1/9$

367.009 ± 0.069 $\chi^2/\text{NDF}: 2755583.8/28$

374.039 ± 0.072 $\chi^2/\text{NDF}: 3119267.7/29$

asym_sam2_mean vs Slug



Right In: 2859.622 ± 1447.884 χ^2/NDF : 16.7/16

Left Out: 1604.695 ± 741.984 χ^2/NDF : 21.1/11

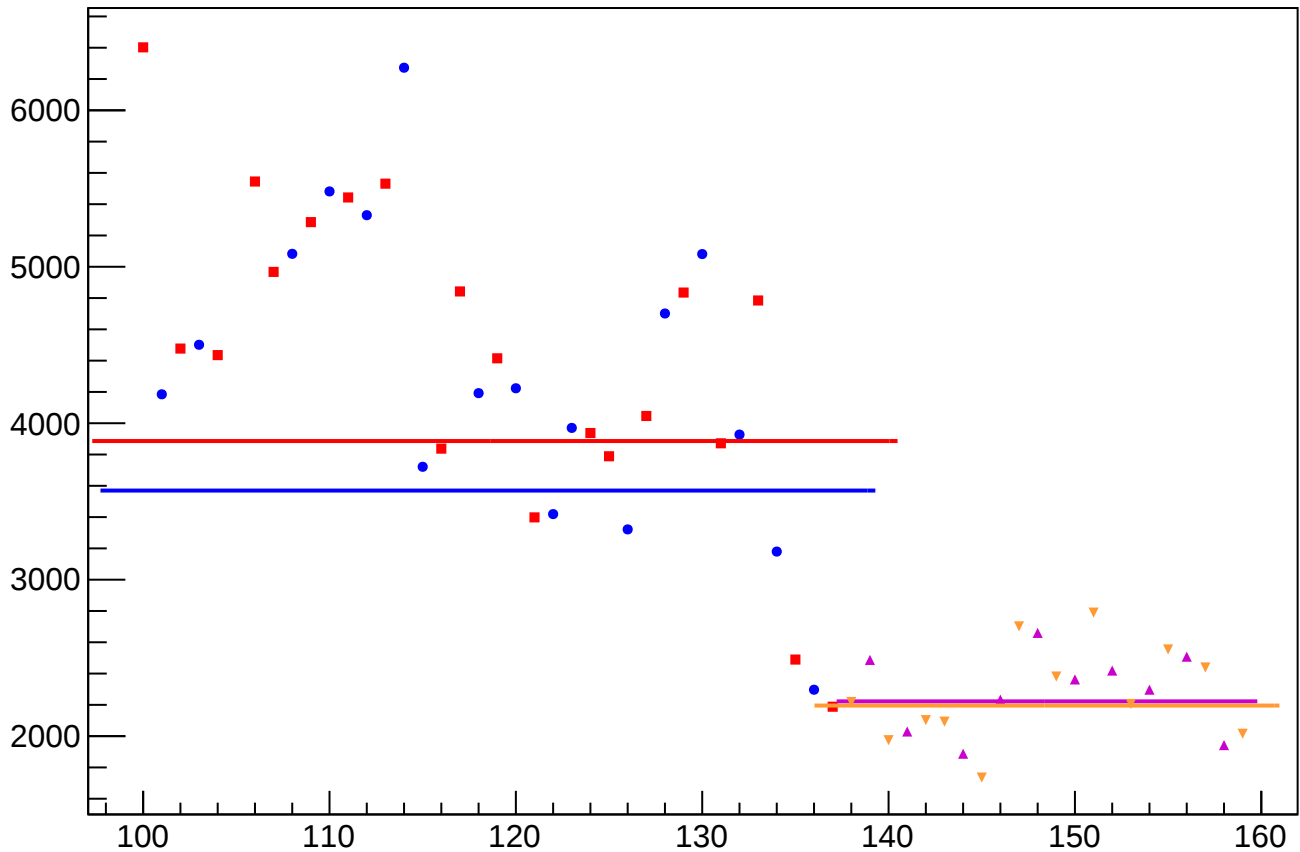
Right Out: 789.608 ± 1506.053 χ^2/NDF : 14.4/19

Left In: -320.298 ± 783.122 χ^2/NDF : 15.0/9

1865.712 ± 660.327 χ^2/NDF : 38.4/28

-84.071 ± 694.804 χ^2/NDF : 29.8/29

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2195.455+/-0.525 χ^2/NDF : 327370.6/11

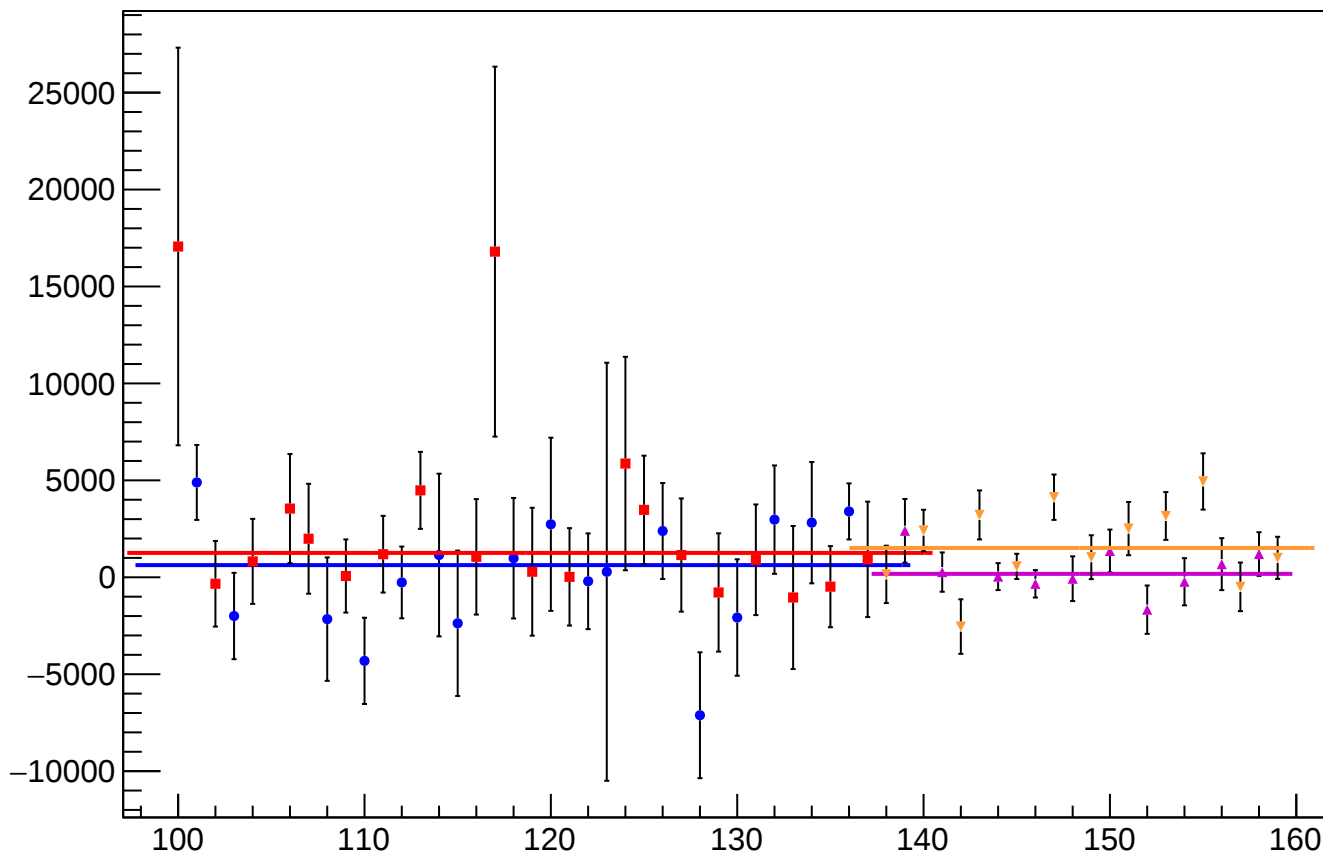
Right Out: 3886.199+/-1.065 χ^2/NDF : 986485.7/19

Left In: 2222.350+/-0.554 χ^2/NDF : 201421.7/9

2481.275+/-0.467 χ^2/NDF : 2842148.5/28

2576.476+/-0.491 χ^2/NDF : 3109419.6/29

asym_sam3_mean vs Slug



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1513.006 ± 324.735 χ^2/NDF : 29.7/11

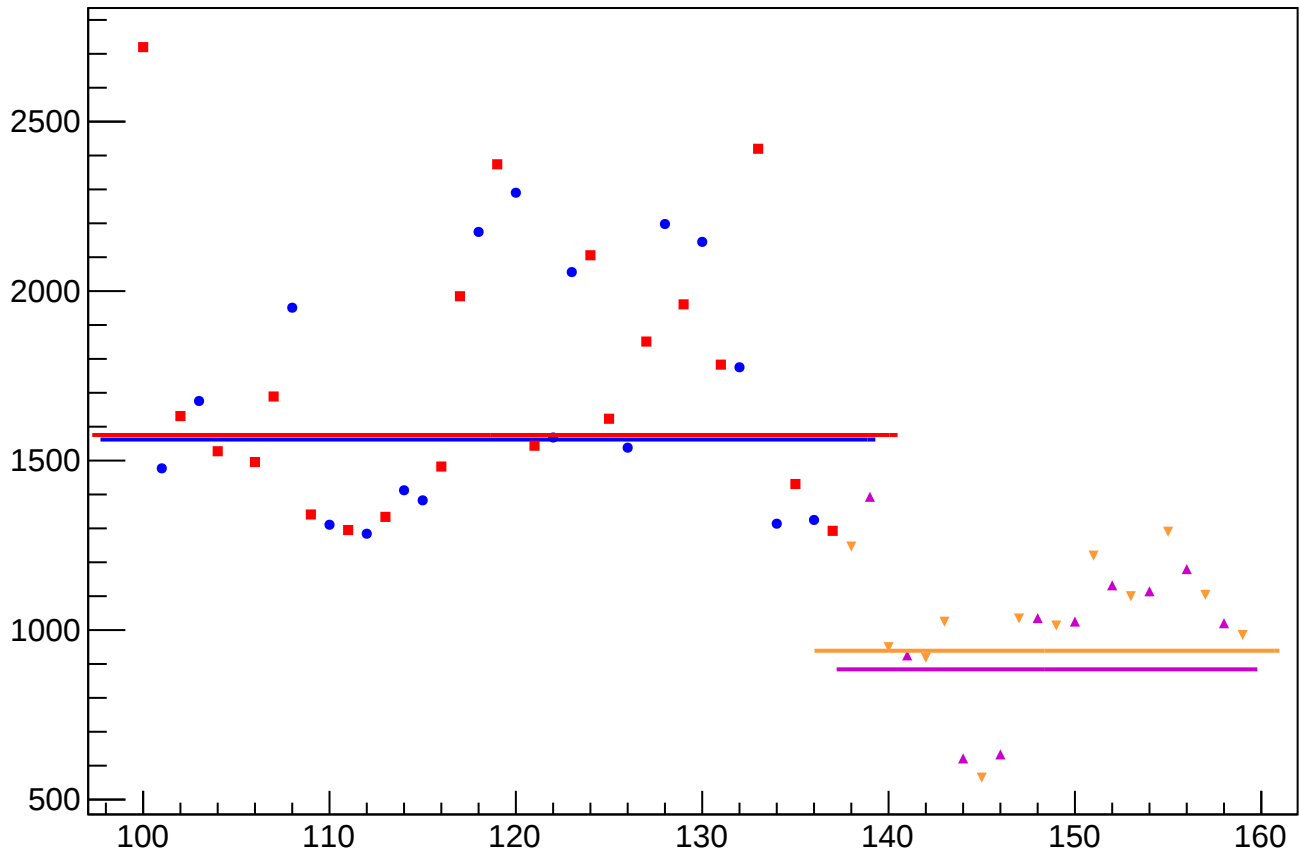
Right Out: 1257.467 ± 601.857 χ^2/NDF : 12.6/19

Left In: 176.791 ± 321.918 χ^2/NDF : 6.9/9

1322.860 ± 287.759 χ^2/NDF : 56.4/28

417.187 ± 283.863 χ^2/NDF : 22.0/29

asym_sam3_rms vs Slug



Right In: 1562.101+/-0.439 χ^2/NDF : 482088.3/16

Left Out: 939.051+/-0.230 χ^2/NDF : 1053948.7/11

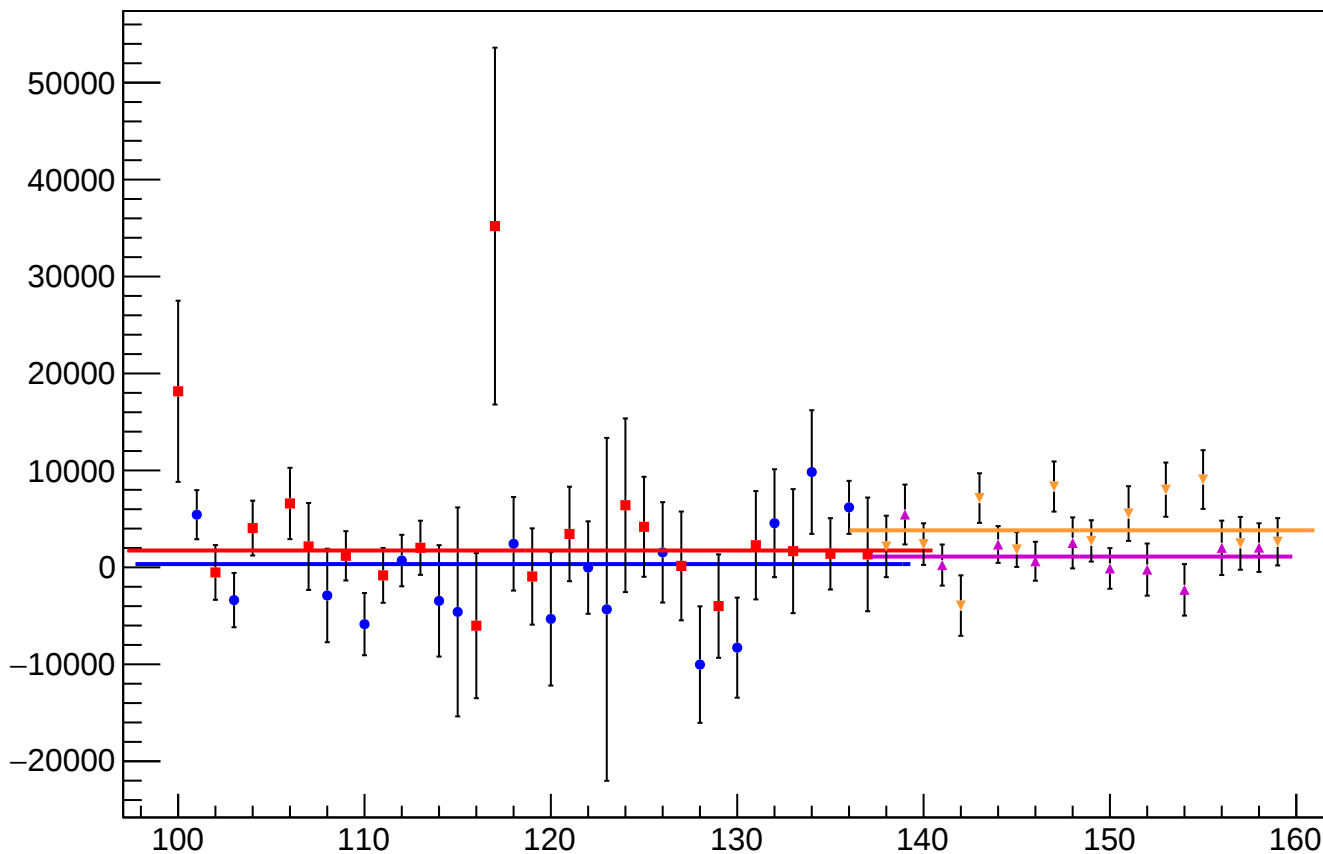
Right Out: 1575.541+/-0.426 χ^2/NDF : 467687.2/19

Left In: 884.186+/-0.228 χ^2/NDF : 1077760.6/9

1072.863+/-0.203 χ^2/NDF : 3117246.0/28

1037.978+/-0.201 χ^2/NDF : 3597434.5/29

asym_sam4_mean vs Slug



Right In: 338.117 ± 995.842 χ^2/NDF : 24.8/16

Left Out: 3823.095 ± 722.231 χ^2/NDF : 19.2/11

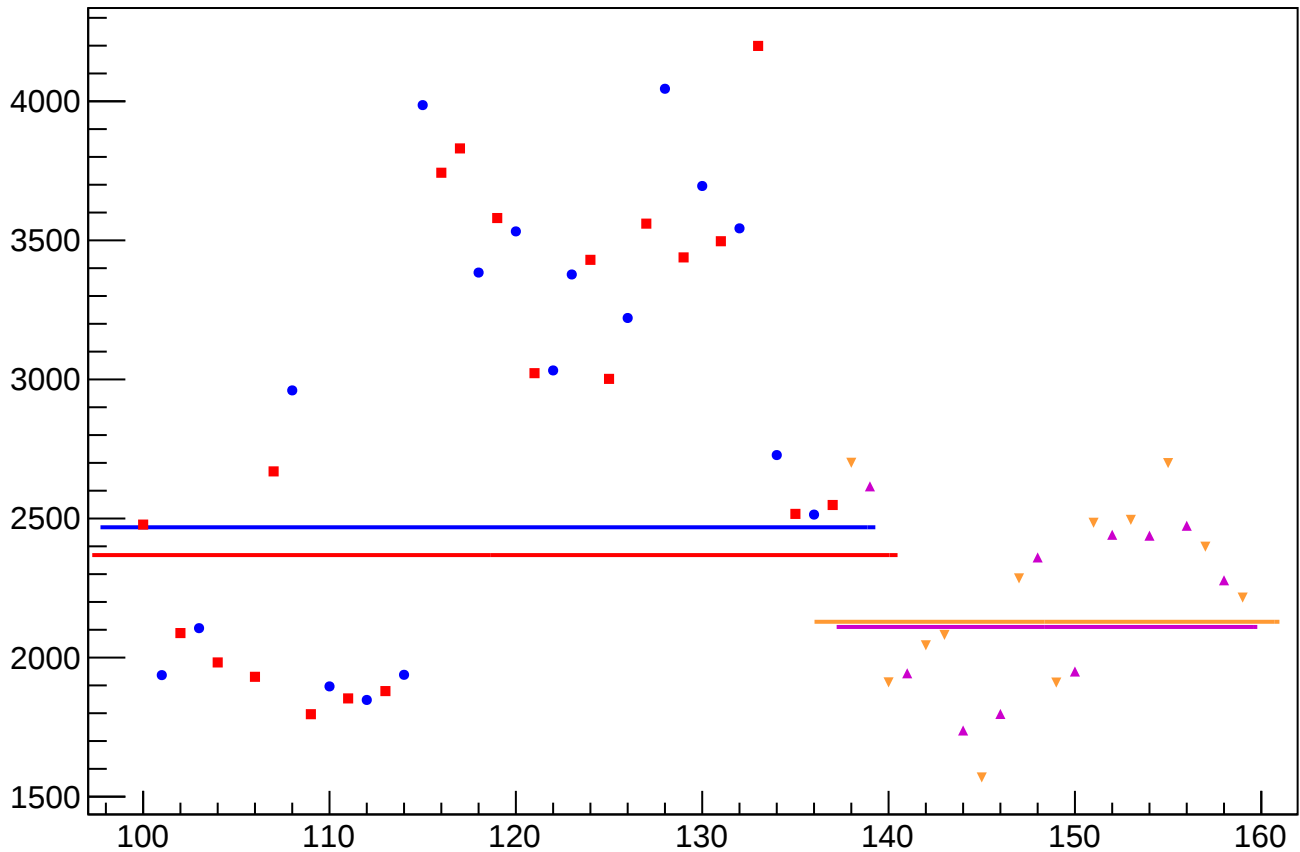
Right Out: 1742.470 ± 923.289 χ^2/NDF : 13.6/19

Left In: 1114.910 ± 747.464 χ^2/NDF : 5.4/9

2621.877 ± 584.657 χ^2/NDF : 52.0/28

1363.370 ± 580.950 χ^2/NDF : 19.3/29

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2128.747+/-0.511 χ^2/NDF : 469737.7/11

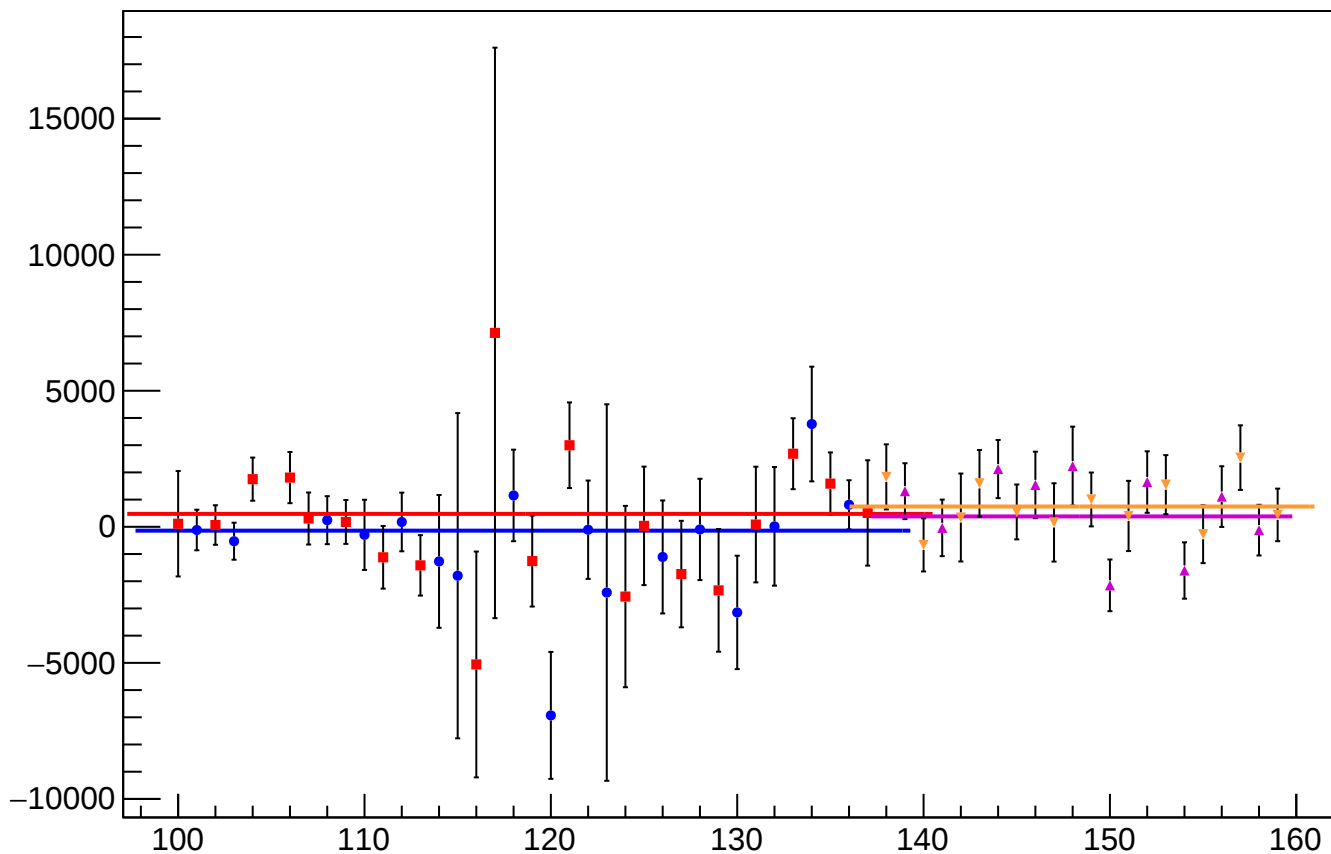
2245.850+/-0.413 χ^2/NDF : 1518436.6/28

Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

2212.424+/-0.411 χ^2/NDF : 1456926.7/29

Left In: 2110.119+/-0.529 χ^2/NDF : 324481.2/9

asym_sam5_mean vs Slug



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 745.898+/-326.113 χ^2/NDF : 7.7/11

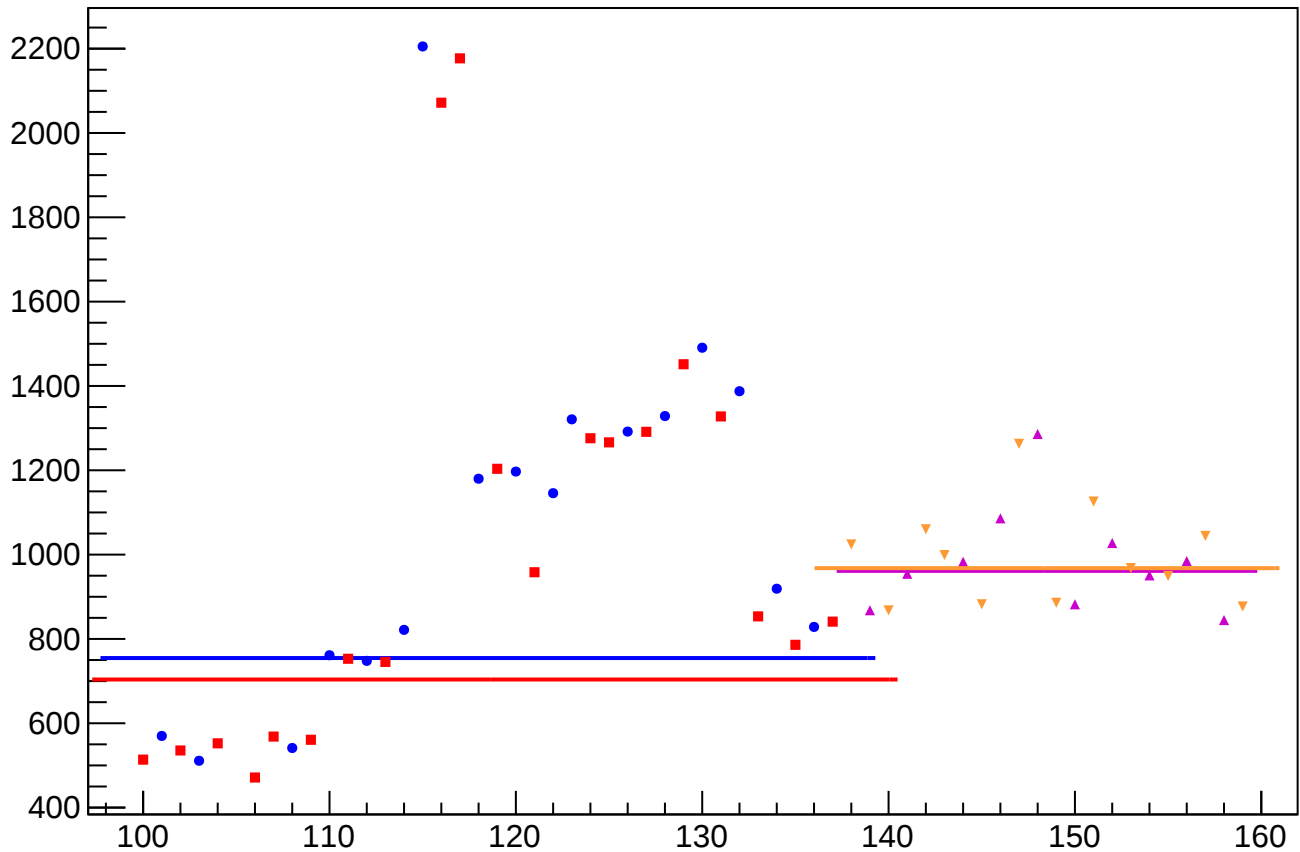
Right Out: 474.987+/-282.789 χ^2/NDF : 23.3/19

Left In: 382.082+/-339.445 χ^2/NDF : 18.9/9

284.600+/-225.937 χ^2/NDF : 28.5/28

436.924+/-217.270 χ^2/NDF : 42.3/29

asym_sam5_rms vs Slug



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 967.901 $\pm$ 0.231 χ^2 /NDF: 202073.3/11

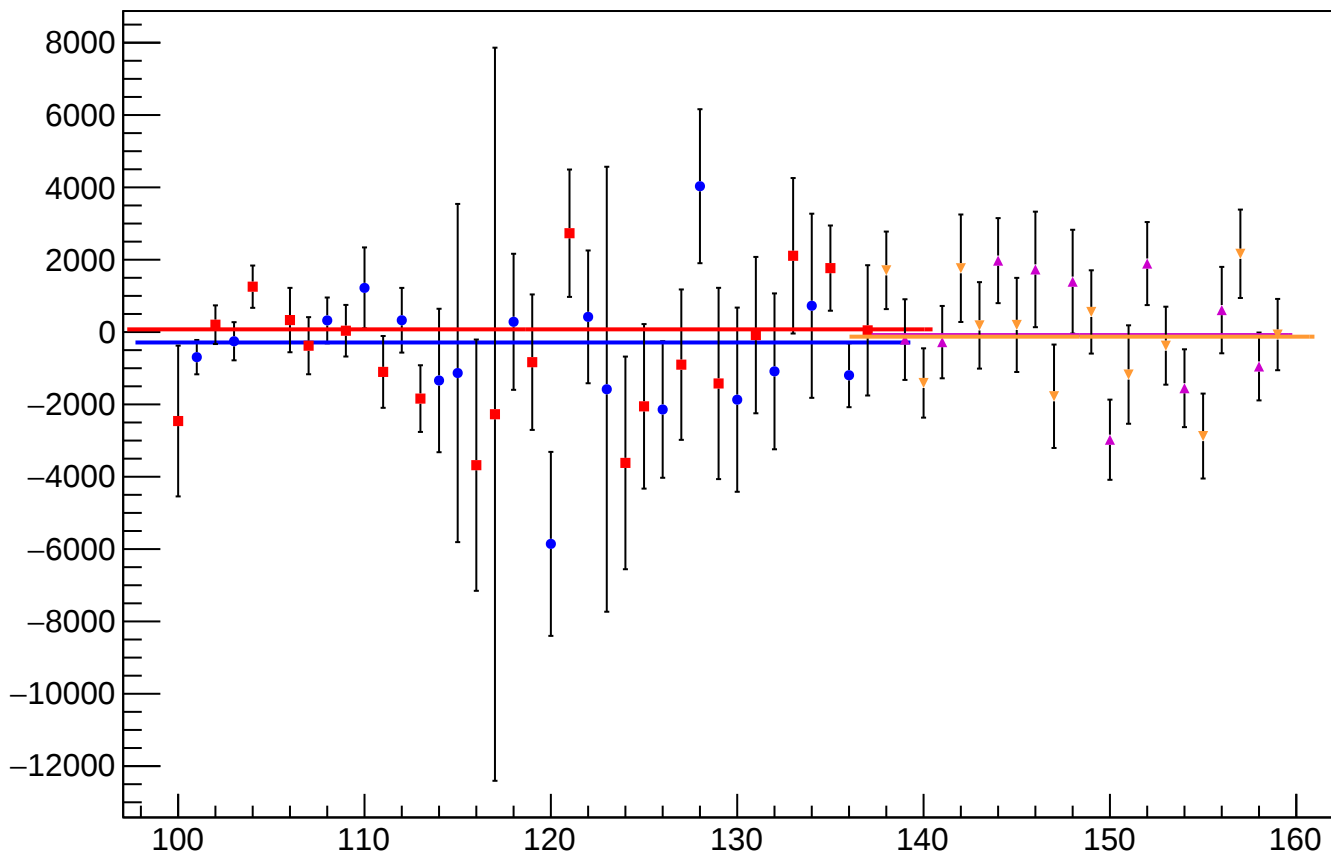
857.028 $\pm$ 0.160 χ^2 /NDF: 2337264.9/28

Right Out: 703.794 $\pm$ 0.200 χ^2 /NDF: 1731134.6/19

809.356 $\pm$ 0.154 χ^2 /NDF: 2603244.4/29

Left In: 961.452 $\pm$ 0.240 χ^2 /NDF: 191882.5/9

asym_sam6_mean vs Slug



Right In: -288.037 $\pm$ 250.436 χ^2 /NDF: 16.2/16

Left Out: -127.473 $\pm$ 337.633 χ^2 /NDF:17.8/11

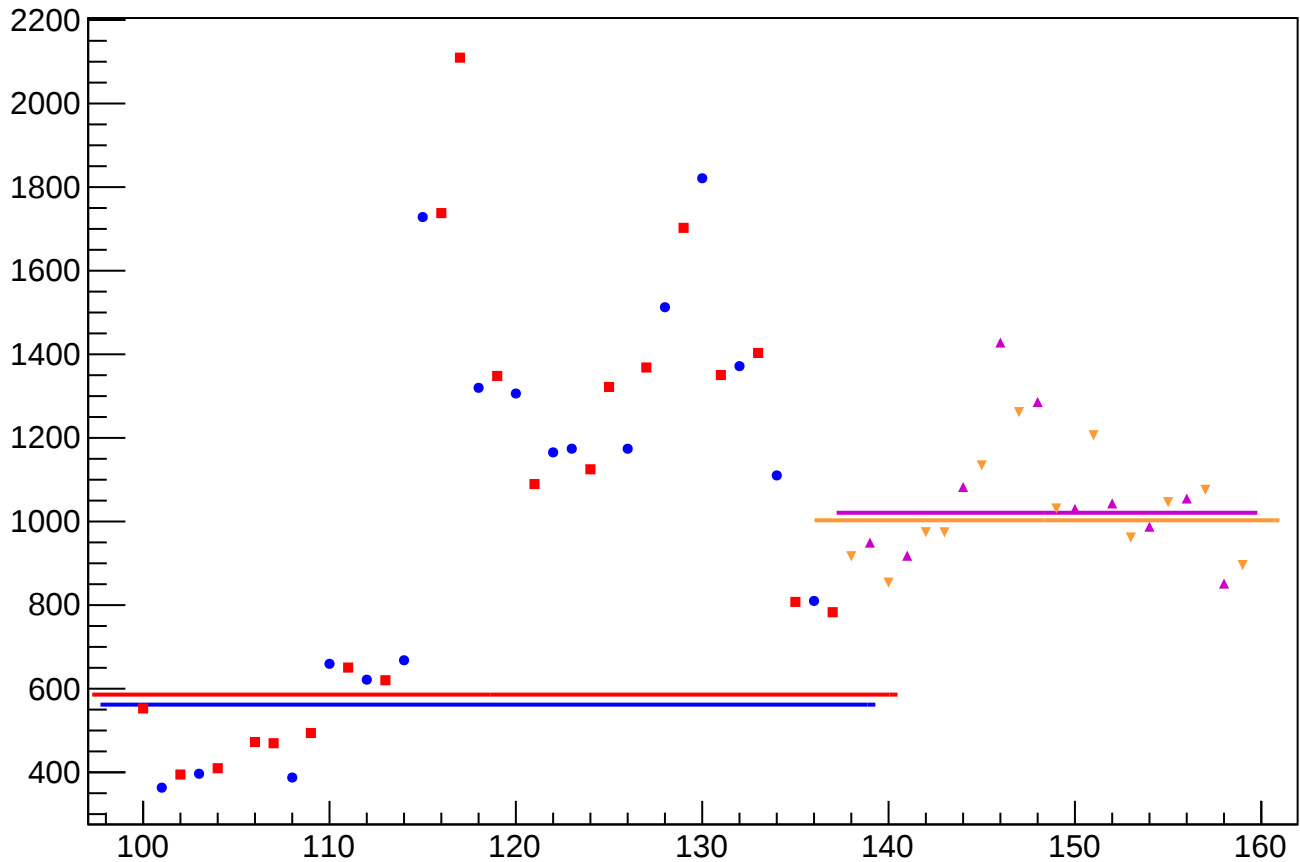
Right Out: 74.735 $\pm$ 246.011 χ^2 /NDF: 21.4/19

Left In: -83.794 $\pm$ 360.877 χ^2 /NDF:18.3/9

-231.051 $\pm$ 201.143 χ^2 /NDF: 34.1/28

24.438 $\pm$ 203.272 χ^2 /NDF: 39.9/29

asym_sam6_rms vs Slug



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 1002.881+/-0.239 χ^2/NDF : 231536.9/11

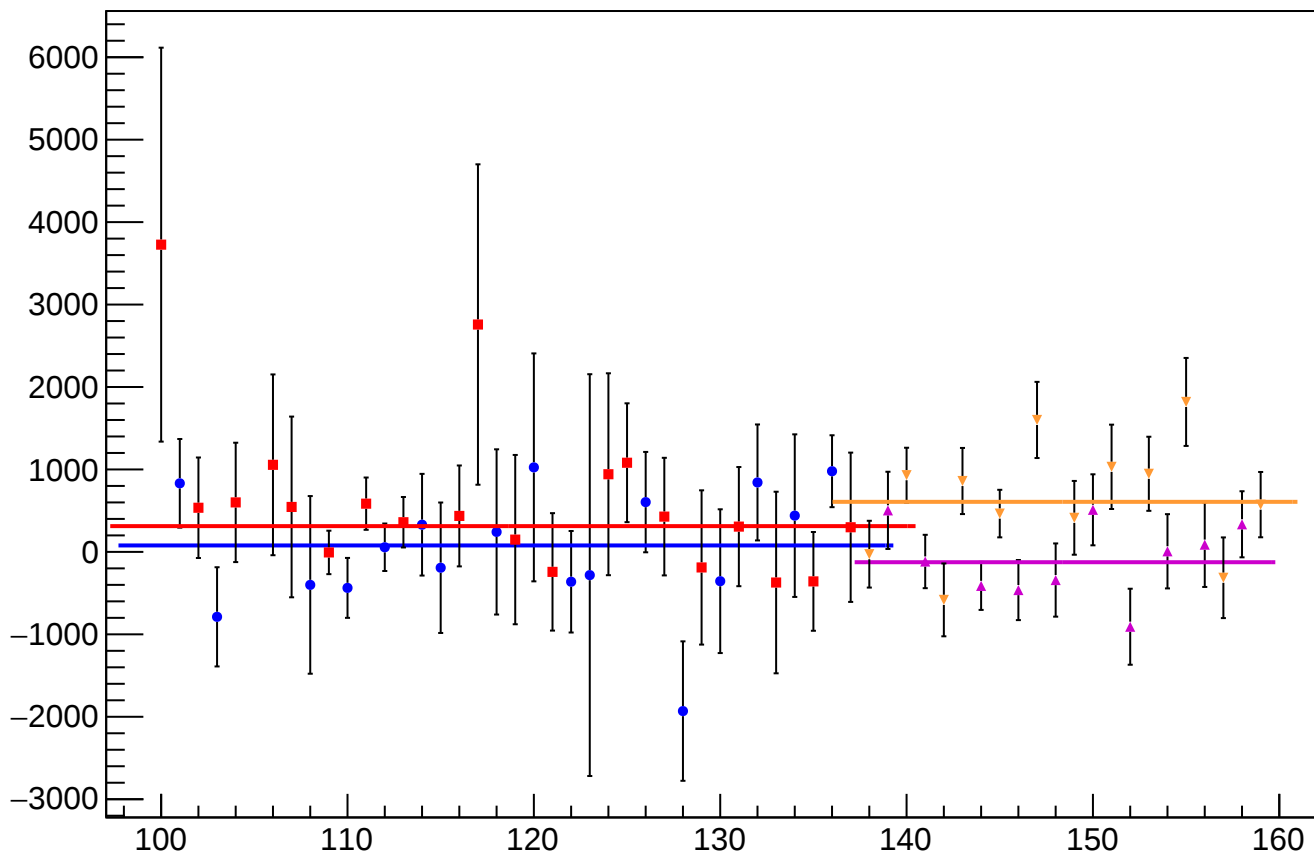
718.405+/-0.142 χ^2/NDF : 5649142.8/28

Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

723.927+/-0.144 χ^2/NDF : 5157067.3/29

Left In: 1020.959+/-0.255 χ^2/NDF : 302782.3/9

asym_sam7_mean vs Slug



Right In: 78.184 ± 142.869 χ^2/NDF : 19.8/16

Left Out: 607.176 ± 118.670 χ^2/NDF : 26.1/11

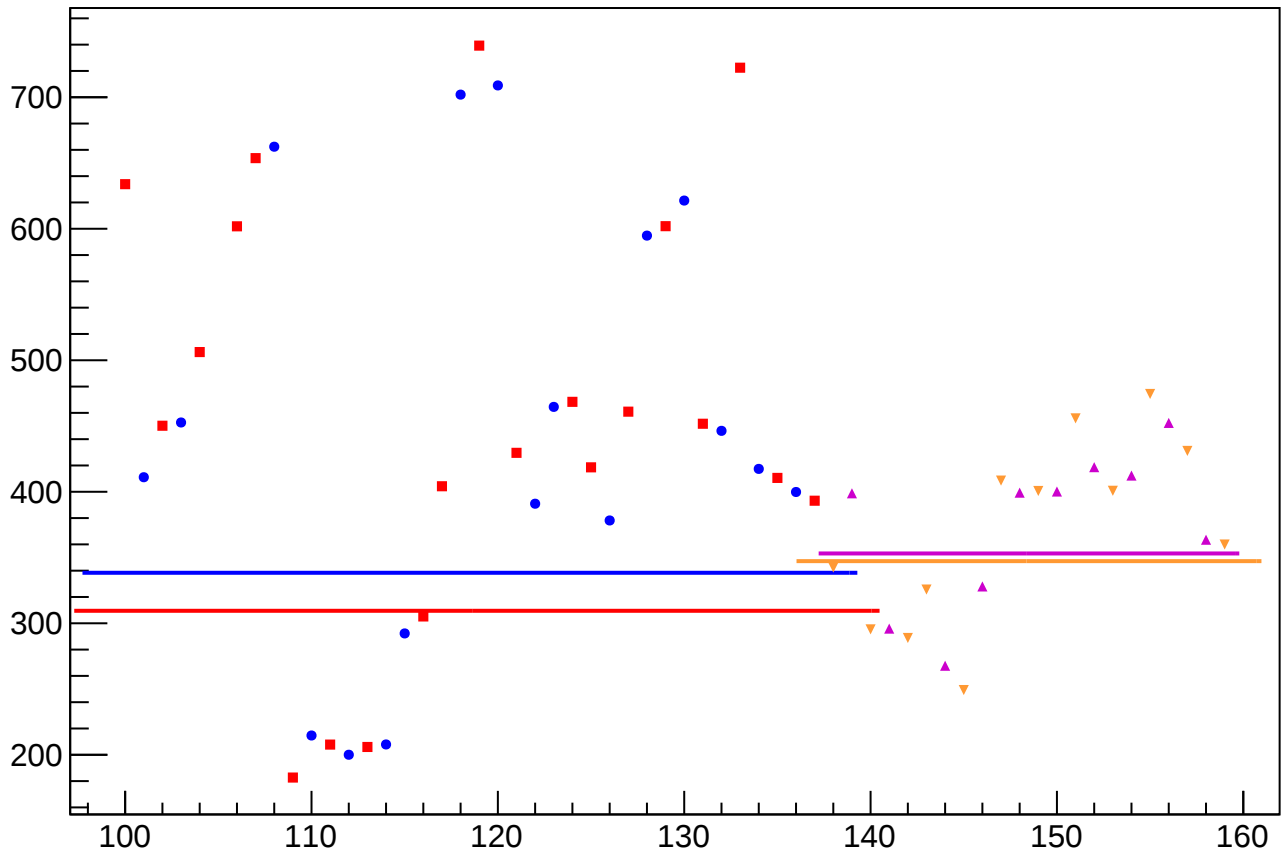
Right Out: 312.536 ± 129.362 χ^2/NDF : 10.7/19

Left In: -125.233 ± 125.457 χ^2/NDF : 10.5/9

391.211 ± 91.286 χ^2/NDF : 54.0/28

86.945 ± 90.061 χ^2/NDF : 27.1/29

asym_sam7_rms vs Slug



Right In: 338.408+/-0.101 χ^2/NDF : 2009287.1/16

Left Out: 347.255+/-0.084 χ^2/NDF : 677071.7/11

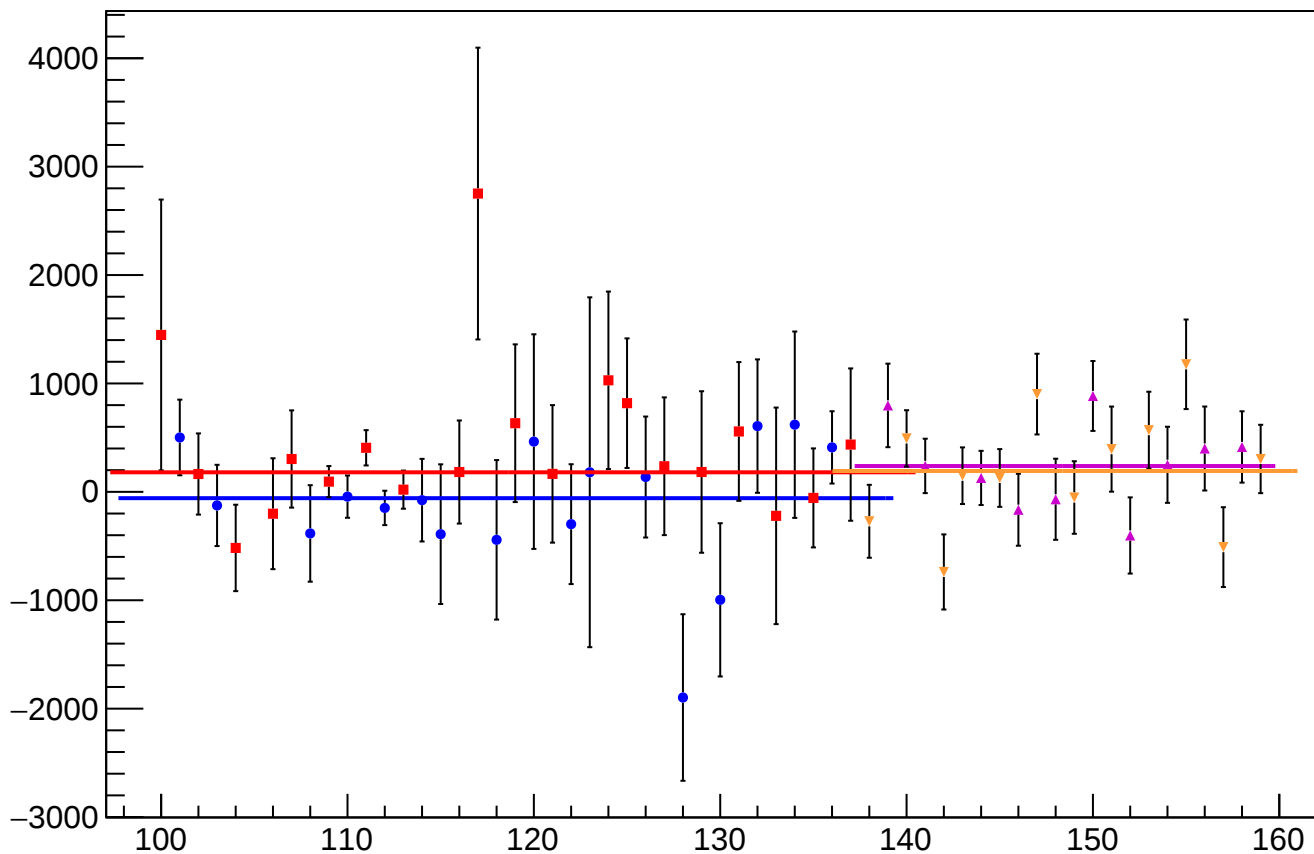
Right Out: 309.503+/-0.091 χ^2/NDF : 2738236.3/19

Left In: 353.096+/-0.089 χ^2/NDF : 459551.5/9

343.643+/-0.065 χ^2/NDF : 2690897.2/28

331.967+/-0.064 χ^2/NDF : 3314828.0/29

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 192.276 ± 93.430 χ^2/NDF : 25.5/11

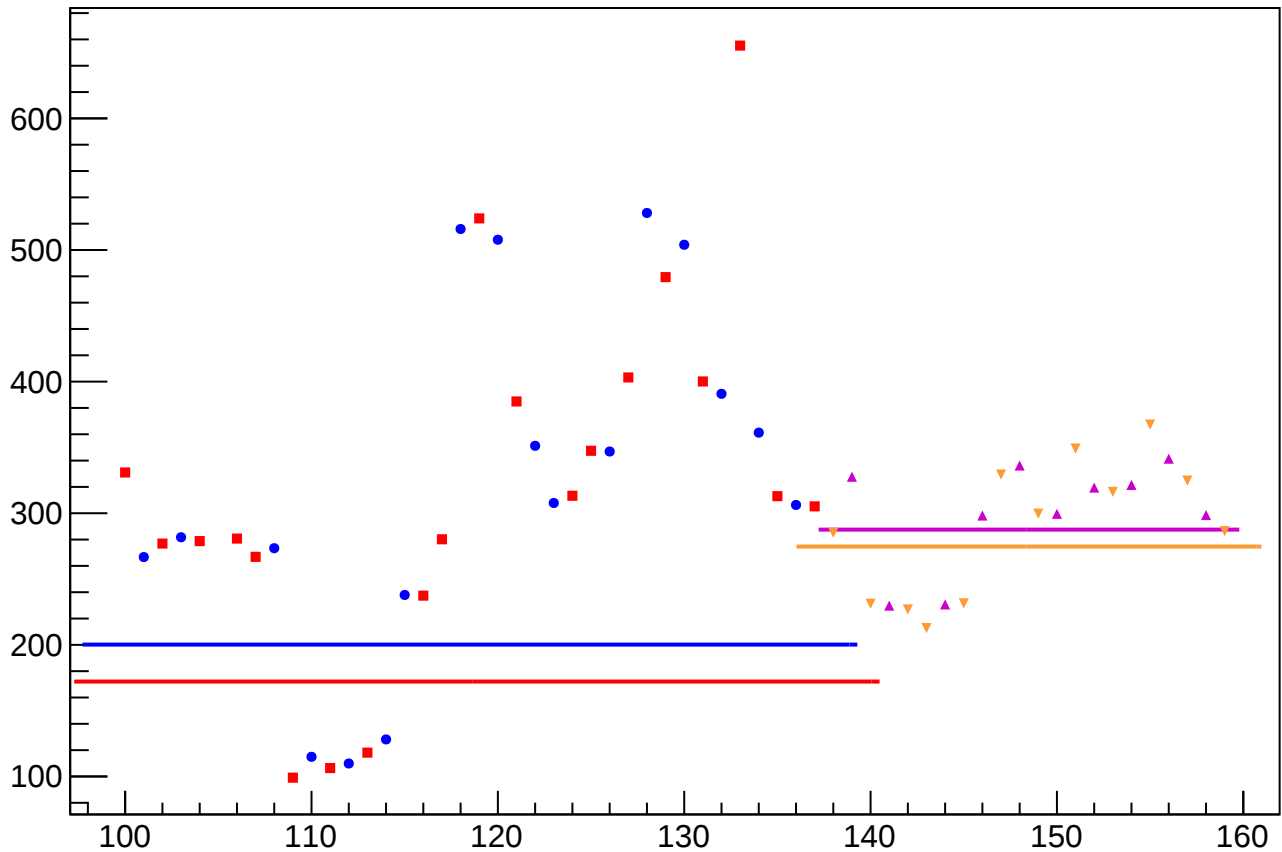
Right Out: 180.354 ± 76.795 χ^2/NDF : 15.0/19

Left In: 238.232 ± 101.745 χ^2/NDF : 12.2/9

62.977 ± 64.998 χ^2/NDF : 45.1/28

201.360 ± 61.295 χ^2/NDF : 27.5/29

asym_sam8_rms vs Slug



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 274.683+/-0.066 χ^2/NDF :554866.4/11

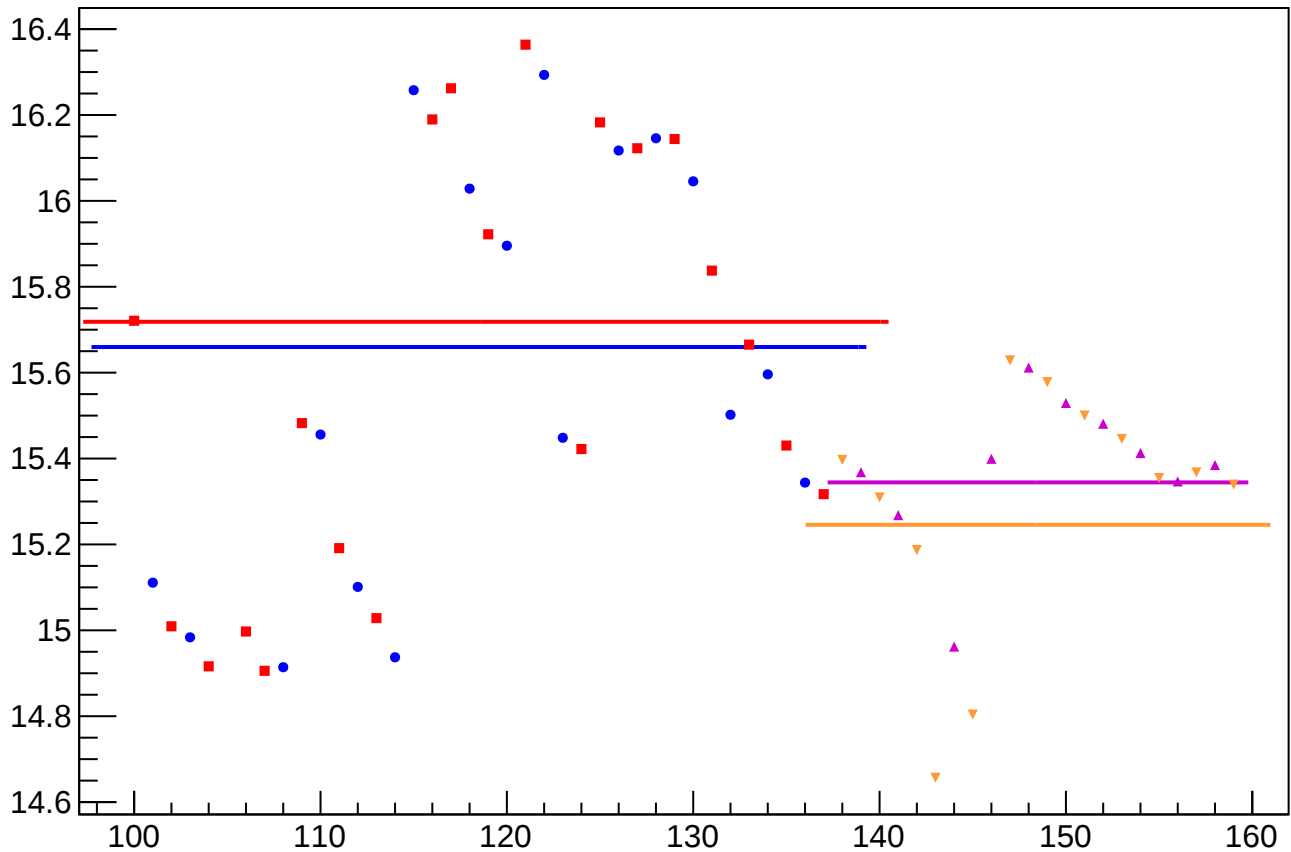
Right Out: 172.110+/-0.054 χ^2/NDF : 4106869.2/19

Left In: 287.558+/-0.072 χ^2/NDF :346126.7/9

236.253+/-0.046 χ^2/NDF : 4597804.1/28

214.009+/-0.043 χ^2/NDF : 6093432.1/29

yield_sam1_mean vs Slug



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.246 $\pm$ 0.000 χ^2 /NDF: 6275958466.0/11

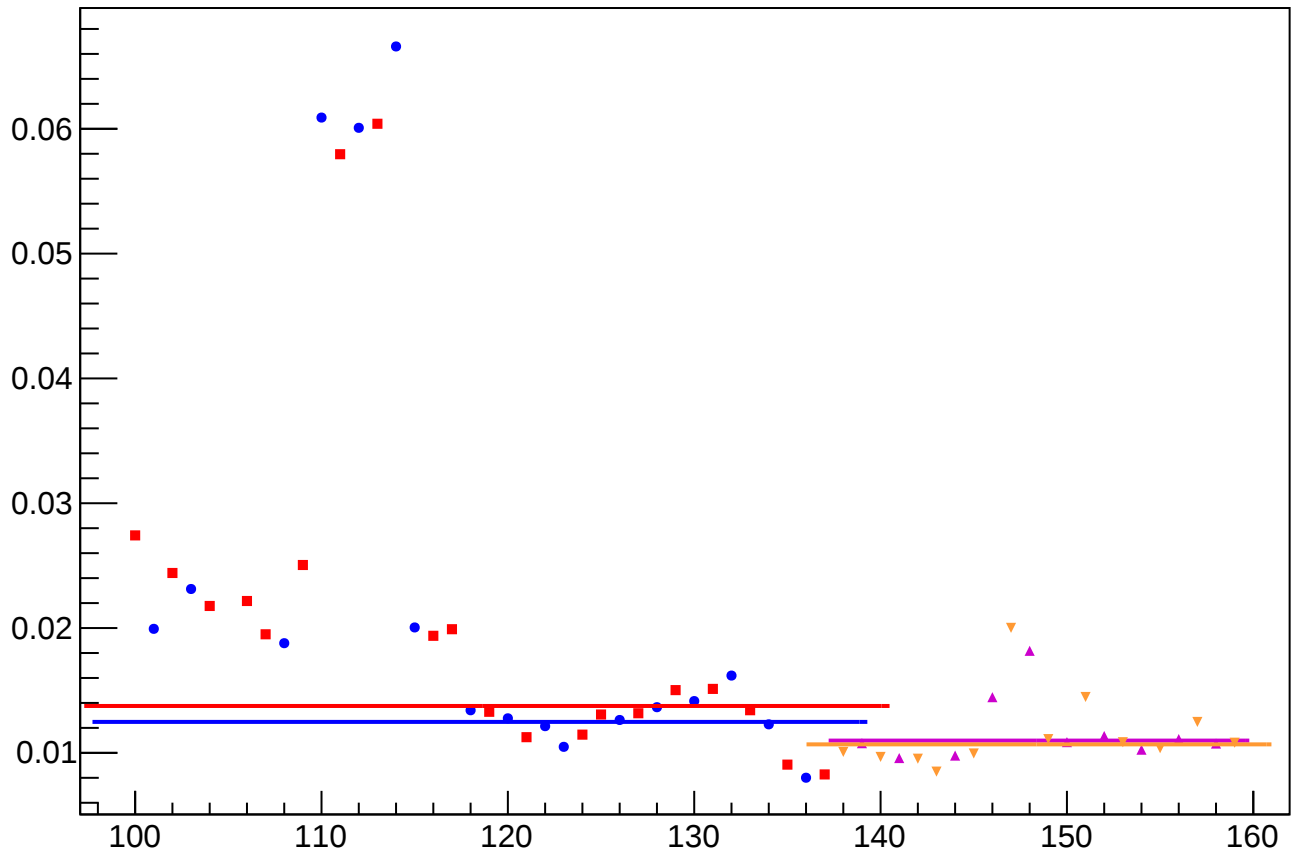
Right Out: 15.718 $\pm$ 0.000 χ^2 /NDF: 5490626945.9/19

Left In: 15.344 $\pm$ 0.000 χ^2 /NDF: 1880800379.8/9

15.376 $\pm$ 0.000 χ^2 /NDF: 15939797826.7/28

15.462 $\pm$ 0.000 χ^2 /NDF: 10145934723.8/29

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:582932.3/11

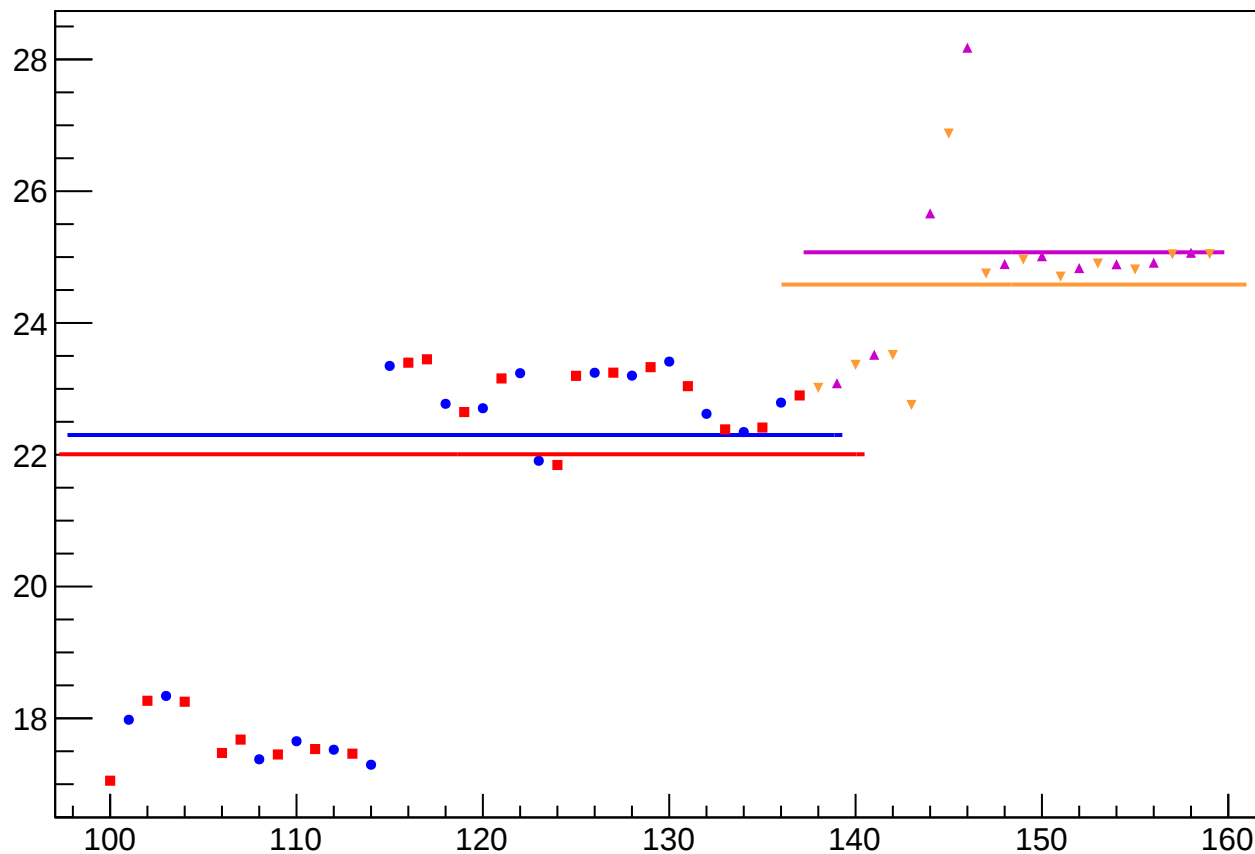
Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2084935.7/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:393555.6/9

0.011 $\pm$ 0.000 χ^2 /NDF: 2882508.3/28

0.012 $\pm$ 0.000 χ^2 /NDF: 2783815.6/29

yield_sam2_mean vs Slug



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.583+/-0.000 χ^2/NDF : 843828075.2/11

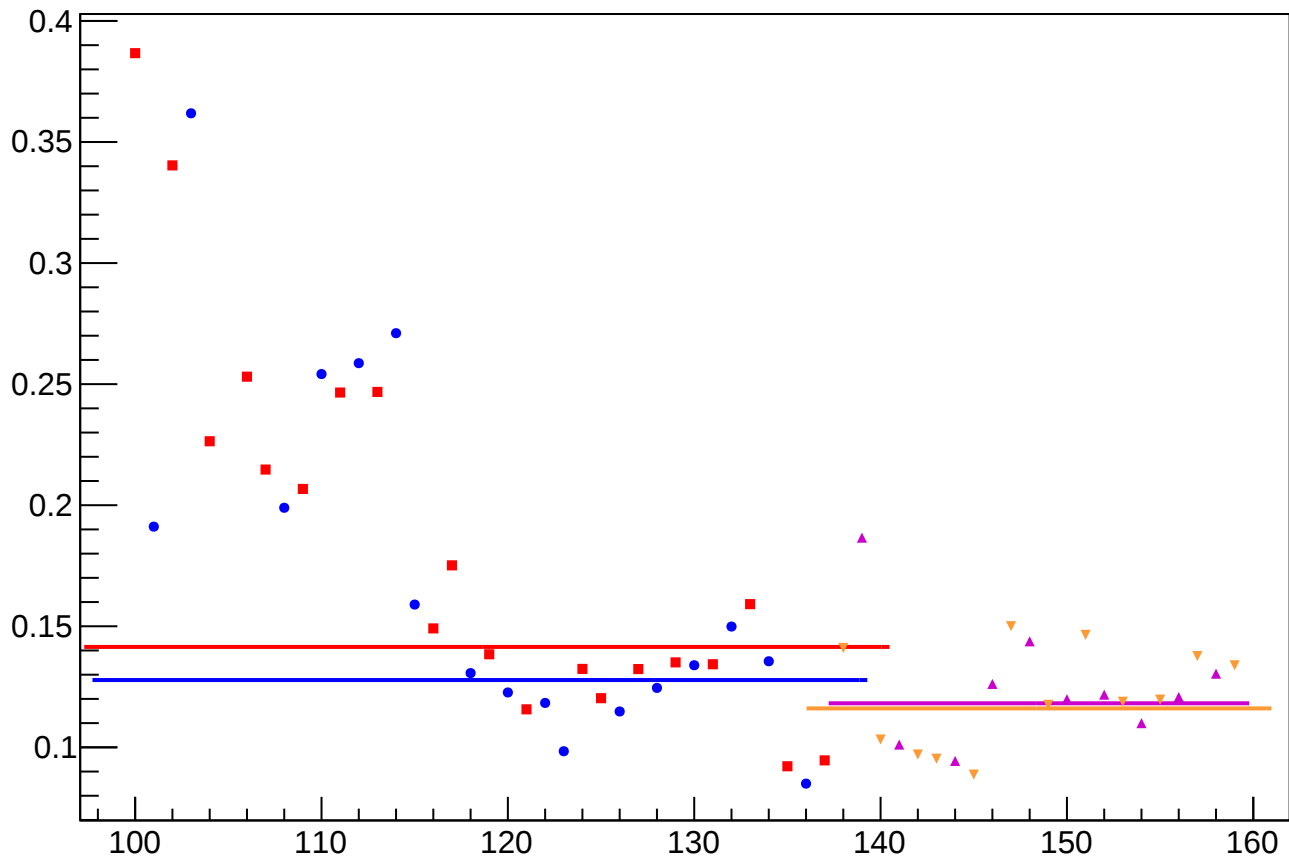
Right Out: 22.007+/-0.000 χ^2/NDF : 1068683102.9/19

Left In: 25.073+/-0.000 χ^2/NDF : 698049868.3/9

23.765+/-0.000 χ^2/NDF : 2818339669.3/28

23.976+/-0.000 χ^2/NDF : 3438121031.5/29

yield_sam2_rms vs Slug



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1492109.7/16

Left Out: 0.116 $\pm$ 0.000 χ^2 /NDF: 449479.7/11

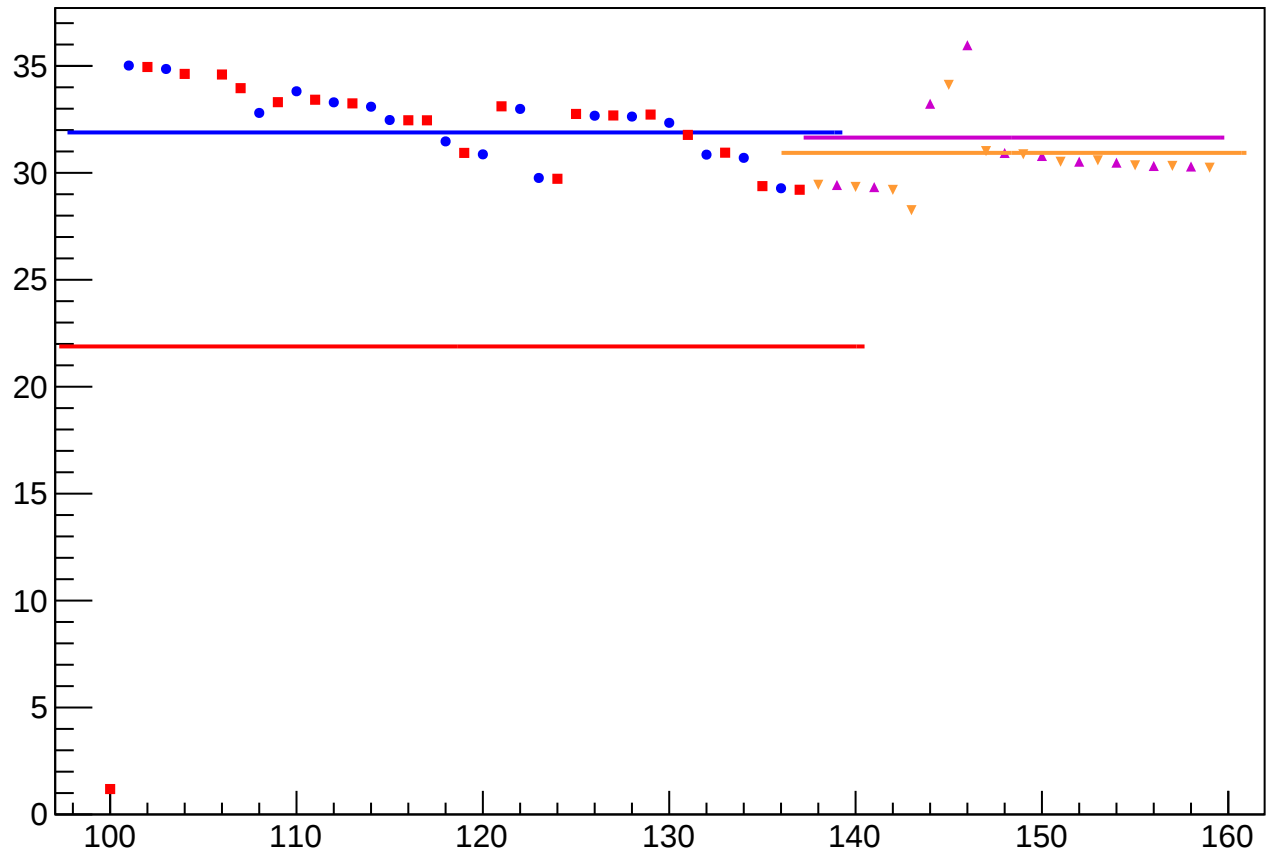
Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1452162.4/19

Left In: 0.118 $\pm$ 0.000 χ^2 /NDF: 398480.0/9

0.120 $\pm$ 0.000 χ^2 /NDF: 1996112.5/28

0.127 $\pm$ 0.000 χ^2 /NDF: 2043452.8/29

yield_sam3_mean vs Slug



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 30.935+/-0.000 χ^2/NDF : 4388134644.8/11

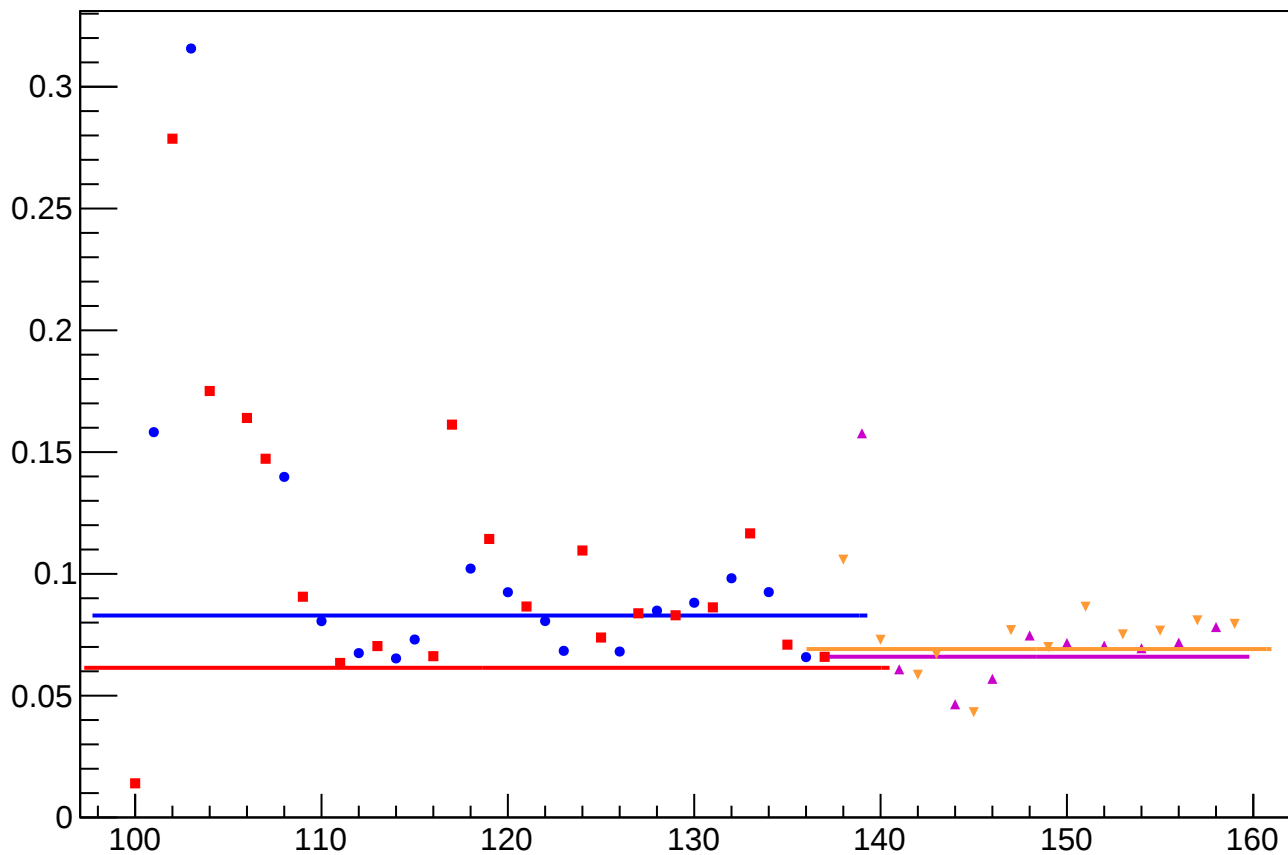
Right Out: 21.883+/-0.000 χ^2/NDF : 230247118310.5/19

Left In: 31.649+/-0.000 χ^2/NDF : 6055885978.0/9

31.259+/-0.000 χ^2/NDF : 6747521822.6/28

27.409+/-0.000 χ^2/NDF : 293827102706.9/29

yield_sam3_rms vs Slug



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.069+/-0.000 χ^2/NDF : 683343.6/11

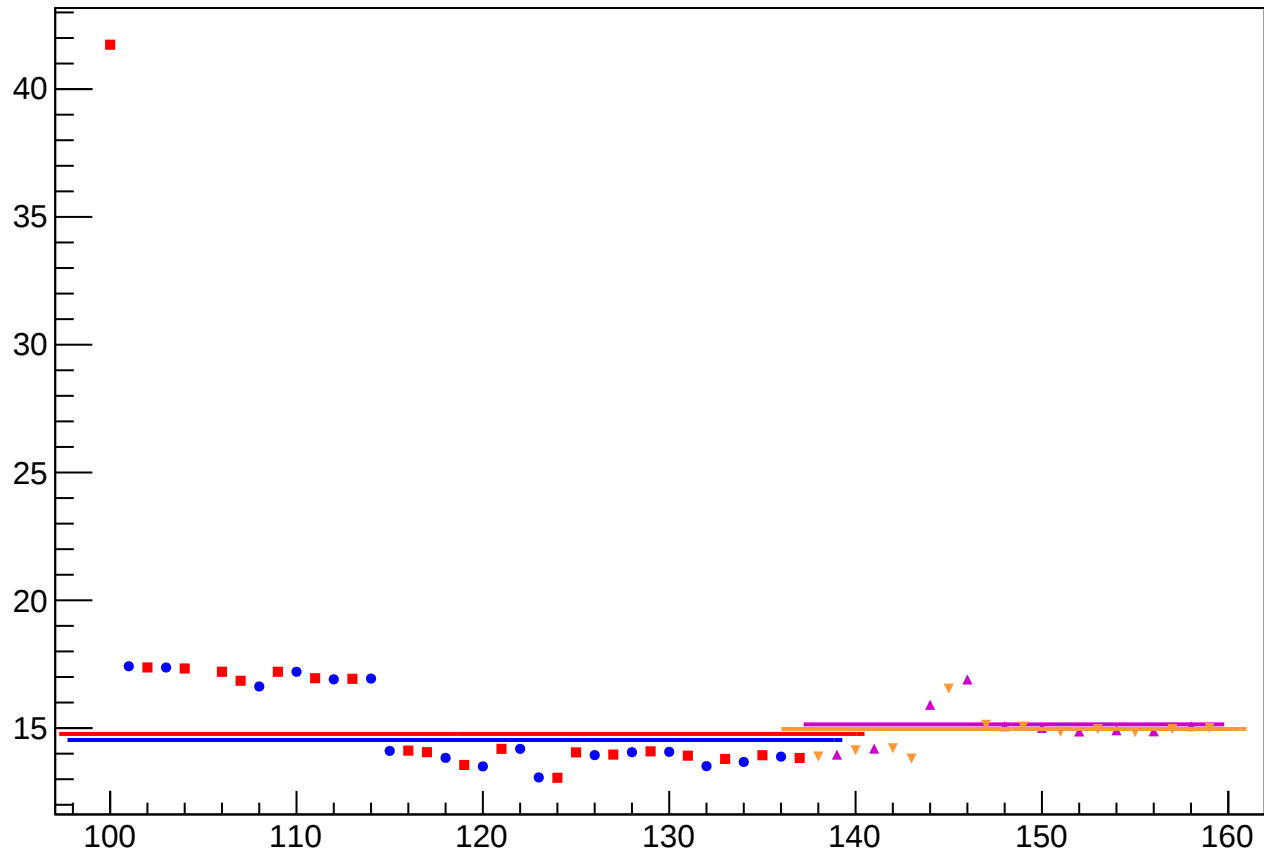
Right Out: 0.061+/-0.000 χ^2/NDF : 3635656.2/19

Left In: 0.066+/-0.000 χ^2/NDF : 801769.4/9

0.074+/-0.000 χ^2/NDF : 2026068.8/28

0.064+/-0.000 χ^2/NDF : 4462314.3/29

yield_sam4_mean vs Slug



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.965+/-0.000 χ^2/NDF : 947226647.3/11

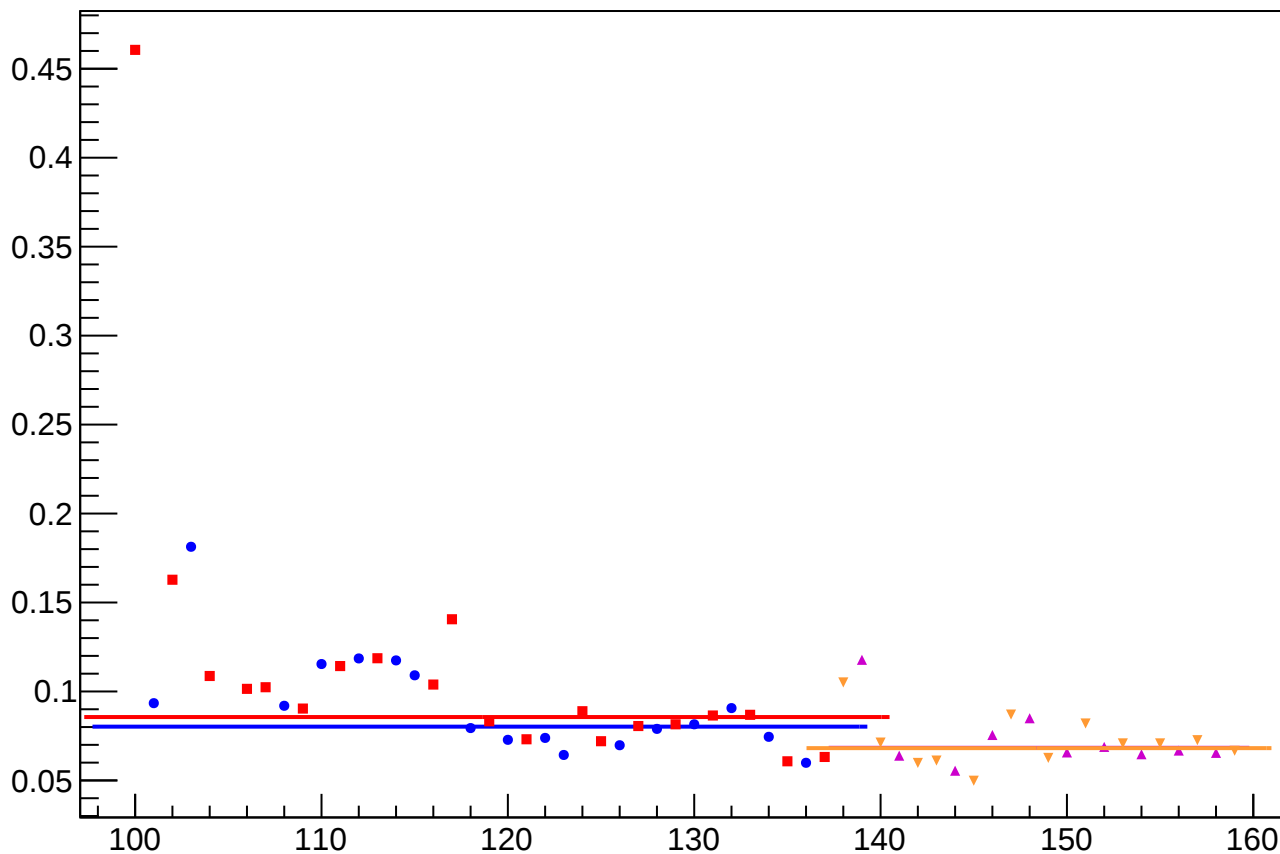
Right Out: 14.772+/-0.000 χ^2/NDF : 1887789052.4/19

Left In: 15.146+/-0.000 χ^2/NDF : 735034514.1/9

14.813+/-0.000 χ^2/NDF : 2520061026.0/28

15.013+/-0.000 χ^2/NDF : 2695389600.5/29

yield_sam4_rms vs Slug



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.068+/-0.000 χ^2/NDF : 468194.0/11

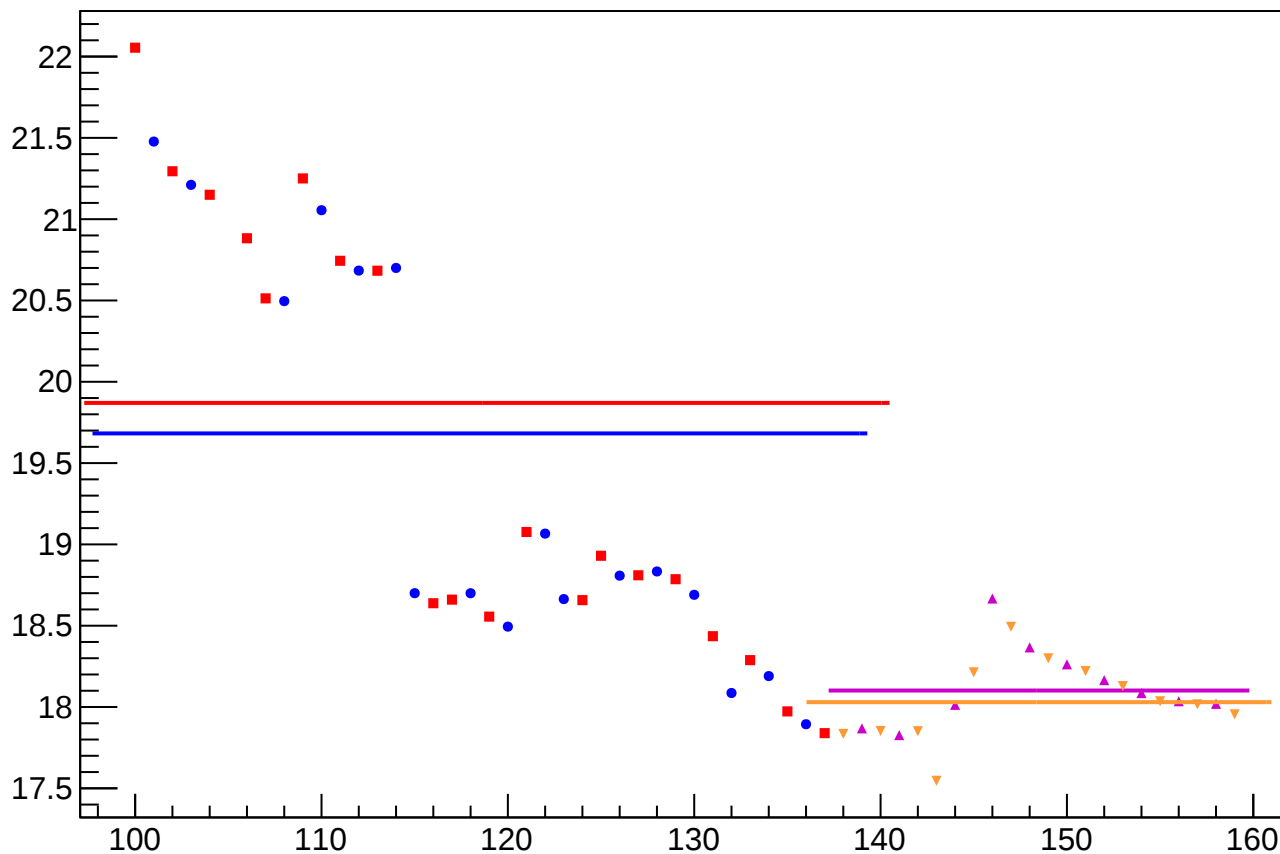
Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

Left In: 0.068+/-0.000 χ^2/NDF : 402524.3/9

0.072+/-0.000 χ^2/NDF : 1408697.2/28

0.074+/-0.000 χ^2/NDF : 1462872.2/29

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.030+/-0.000 χ^2/NDF : 403170844.6/11

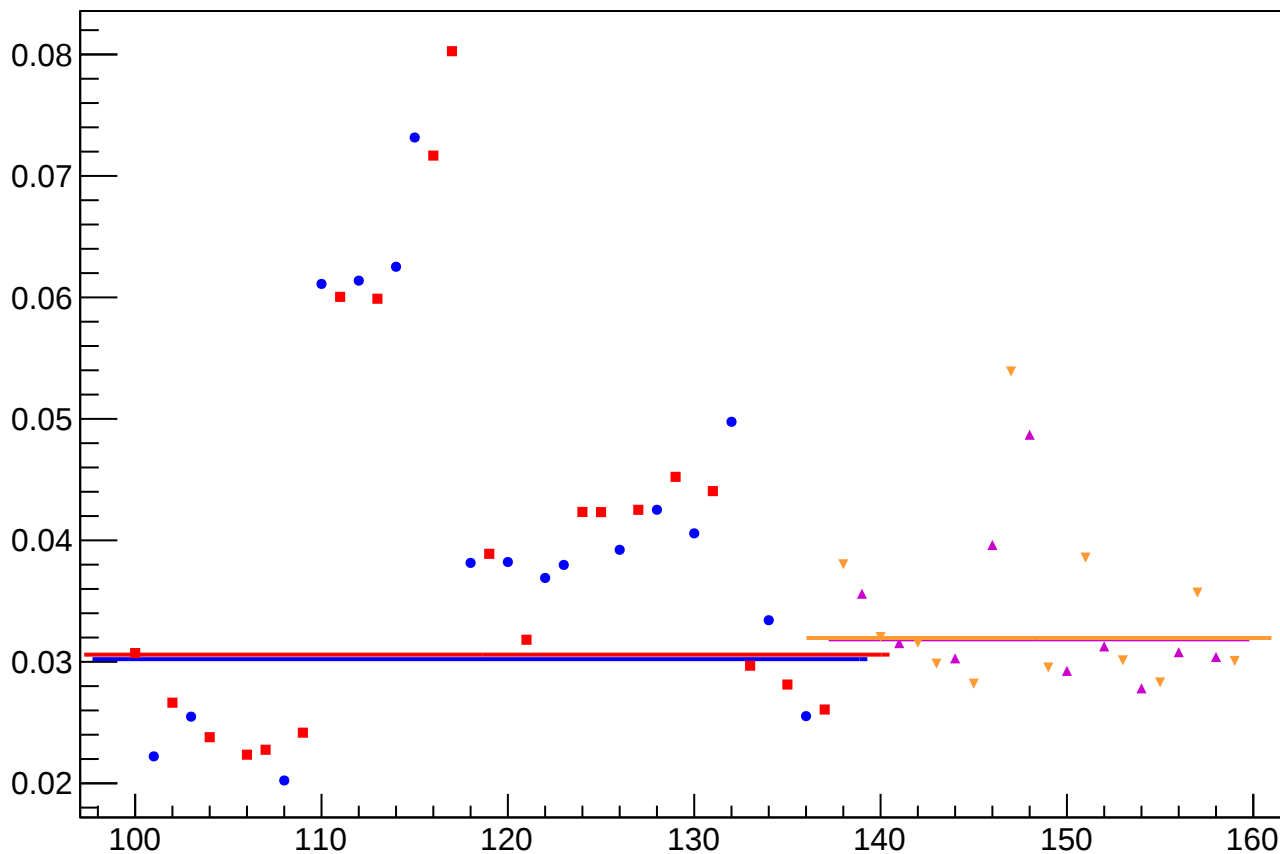
Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

Left In: 18.101+/-0.000 χ^2/NDF : 311849210.7/9

18.738+/-0.000 χ^2/NDF : 22229023455.6/28

18.904+/-0.000 χ^2/NDF : 22464326959.0/29

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.032+/-0.000 χ^2/NDF : 423815.2/11

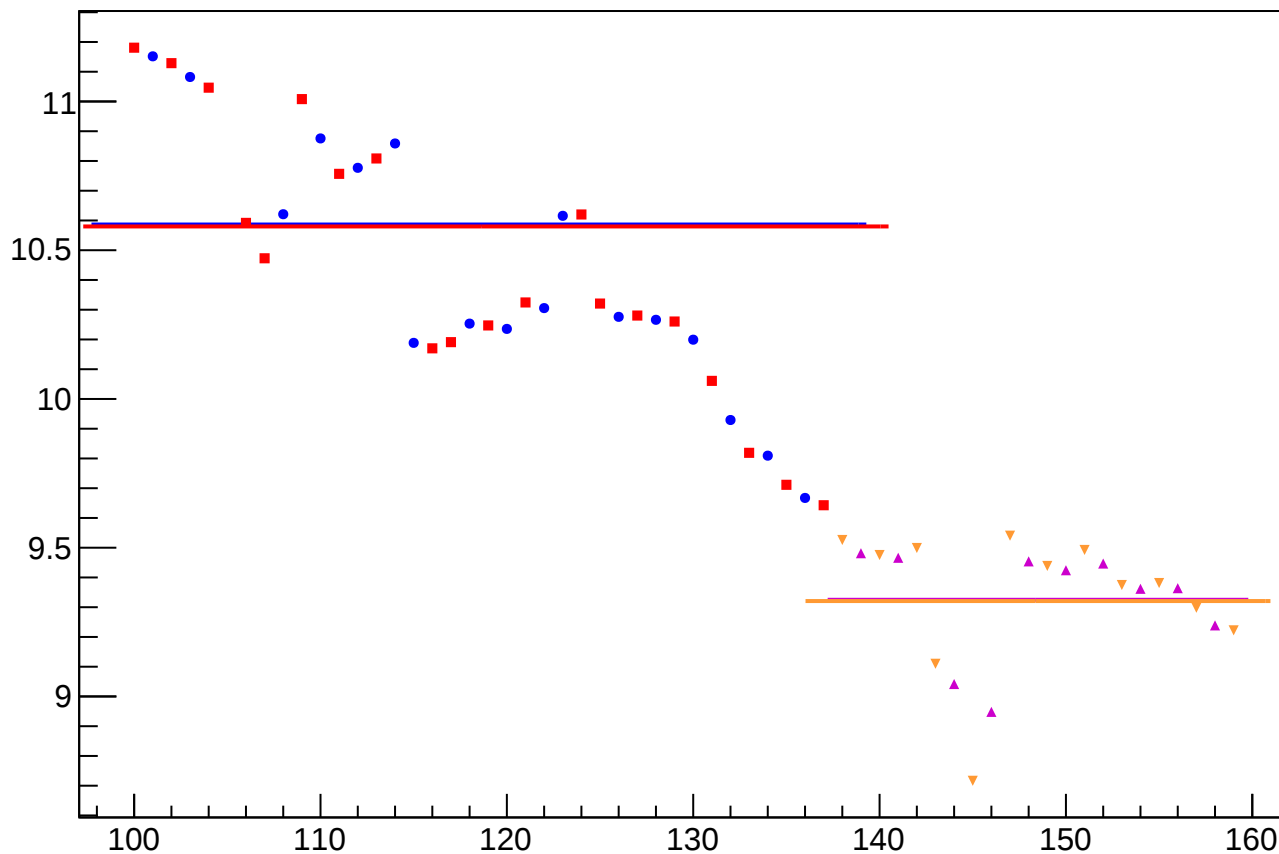
Right Out: 0.031+/-0.000 χ^2/NDF : 1219224.0/19

Left In: 0.032+/-0.000 χ^2/NDF : 314680.3/9

0.031+/-0.000 χ^2/NDF : 1769573.2/28

0.031+/-0.000 χ^2/NDF : 1544899.3/29

yield_sam6_mean vs Slug



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.321+/-0.000 χ^2/NDF : 1059822276.7/11

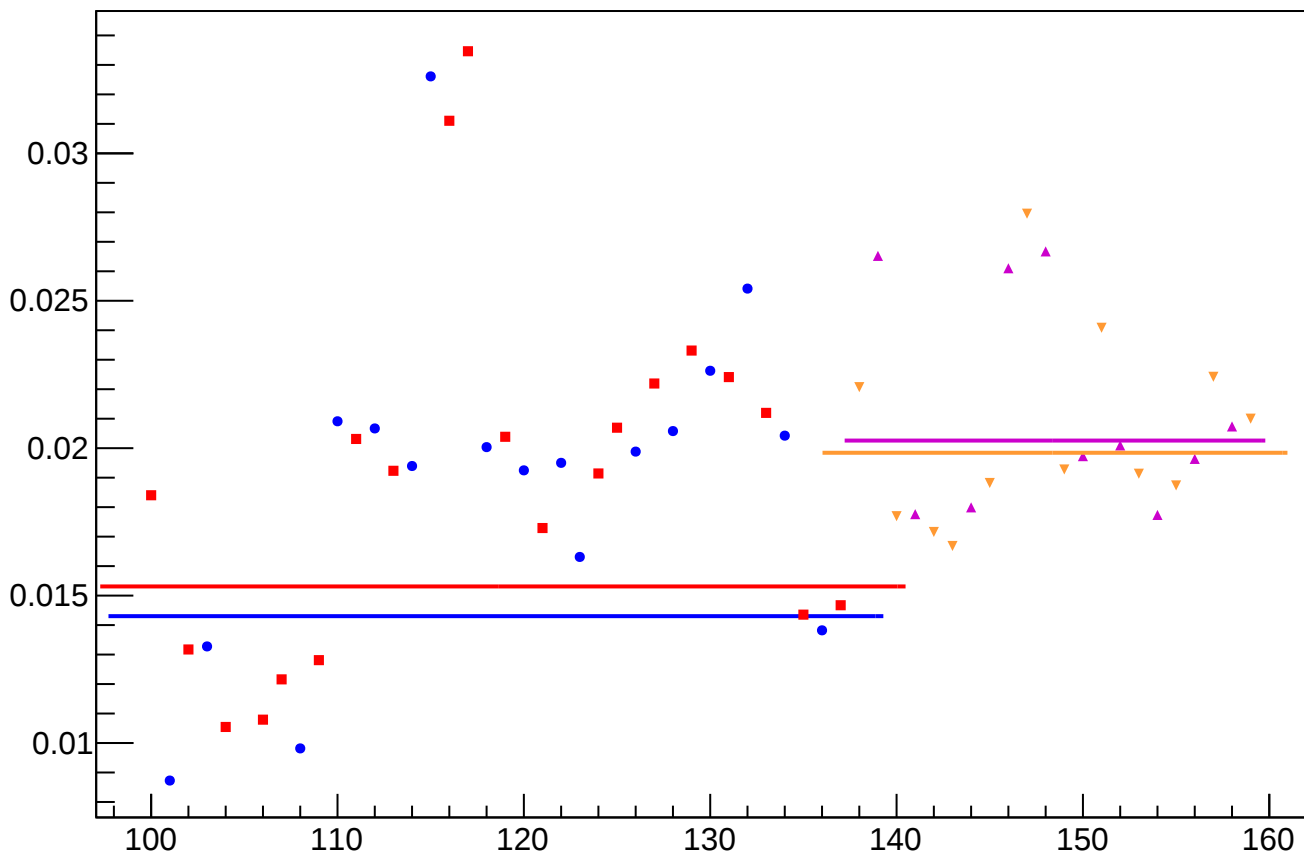
Right Out: 10.580+/-0.000 χ^2/NDF : 5769007164.9/19

Left In: 9.325+/-0.000 χ^2/NDF : 501706149.9/9

10.031+/-0.000 χ^2/NDF : 26785681073.8/28

10.058+/-0.000 χ^2/NDF : 22830691528.9/29

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.020+/-0.000 χ^2/NDF : 303462.6/11

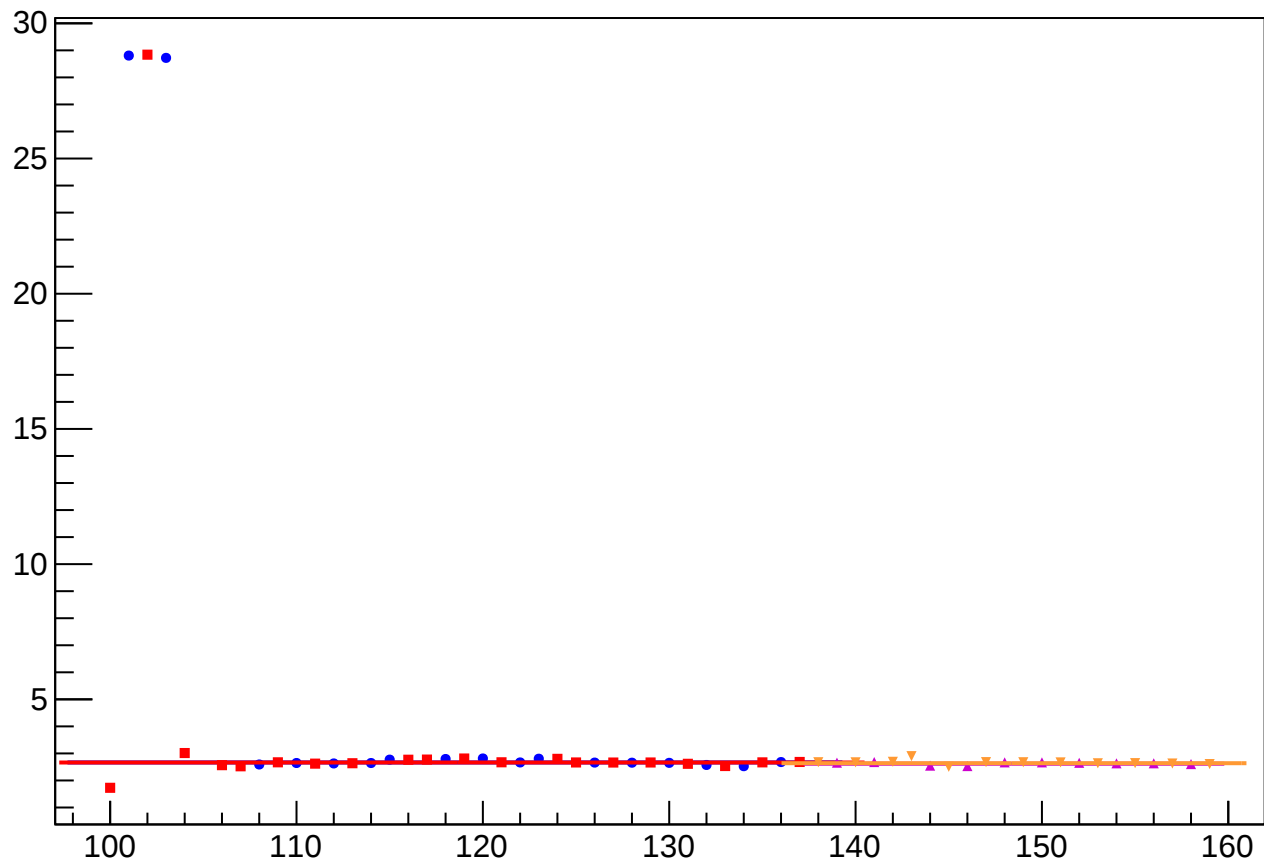
Right Out: 0.015+/-0.000 χ^2/NDF : 1011477.2/19

Left In: 0.020+/-0.000 χ^2/NDF : 330043.4/9

0.017+/-0.000 χ^2/NDF : 2413388.5/28

0.017+/-0.000 χ^2/NDF : 1856340.0/29

yield_sam7_mean vs Slug



Right In: 2.666 $\pm$ 0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.638 $\pm$ 0.000 χ^2/NDF : 11496075102.1/11

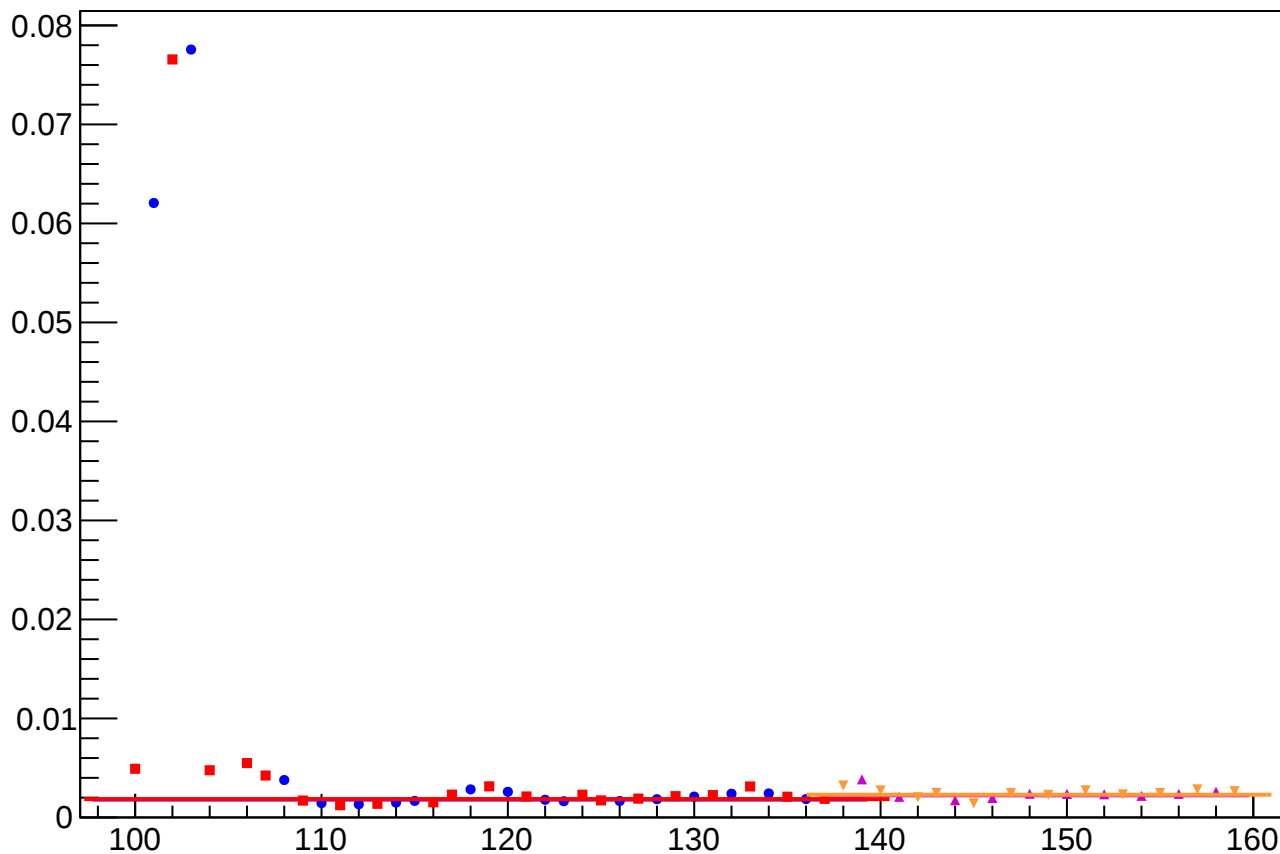
Right Out: 2.664 $\pm$ 0.000 χ^2/NDF : 70484048082.1/19

Left In: 2.619 $\pm$ 0.000 χ^2/NDF : 3869097519.3/9

2.652 $\pm$ 0.000 χ^2/NDF : 175180068141.4/28

2.642 $\pm$ 0.000 χ^2/NDF : 75737925937.4/29

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 693199.2/11

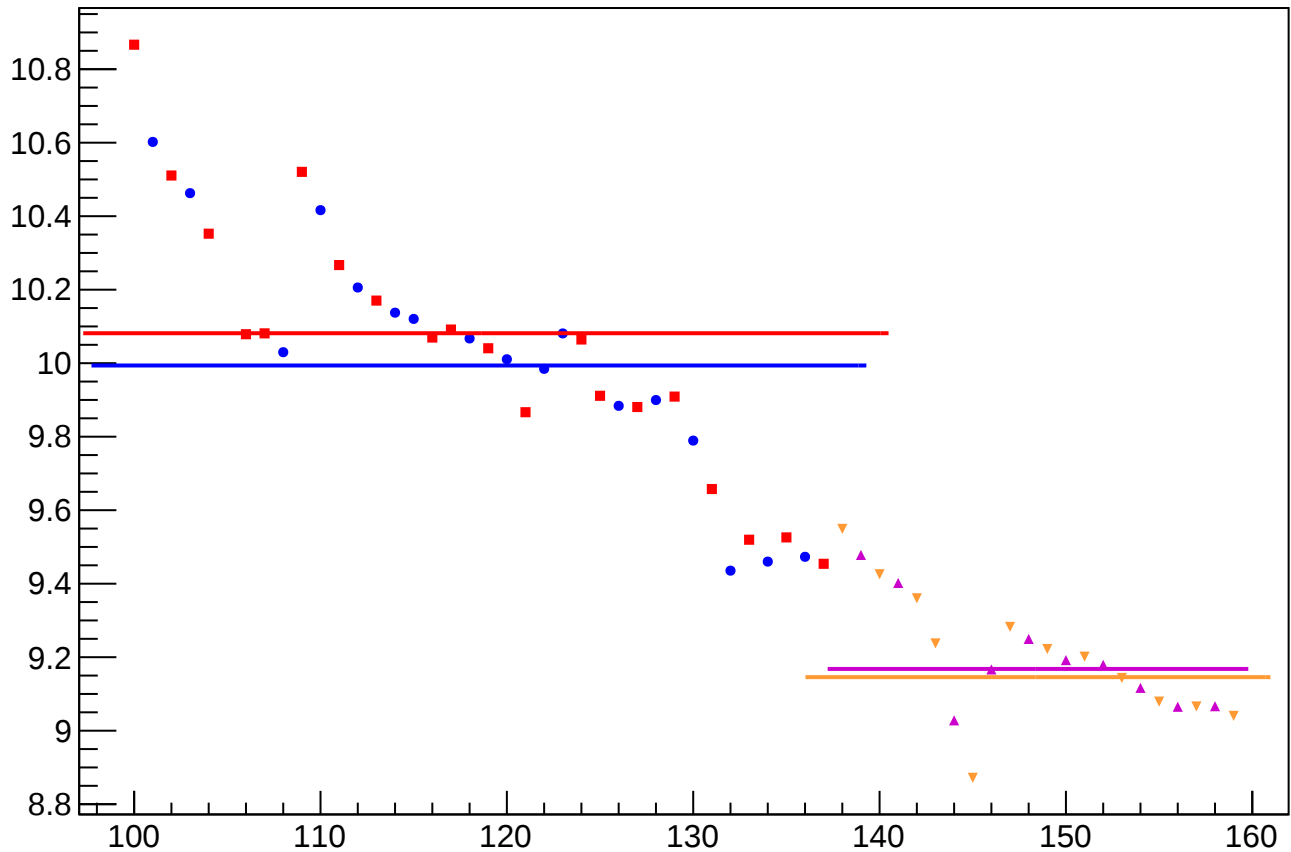
Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

Left In: 0.002+/-0.000 χ^2/NDF : 431304.4/9

0.002+/-0.000 χ^2/NDF : 3662890.2/28

0.002+/-0.000 χ^2/NDF : 2972158.0/29

yield_sam8_mean vs Slug



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.146+/-0.000 χ^2/NDF : 5055074552.5/11

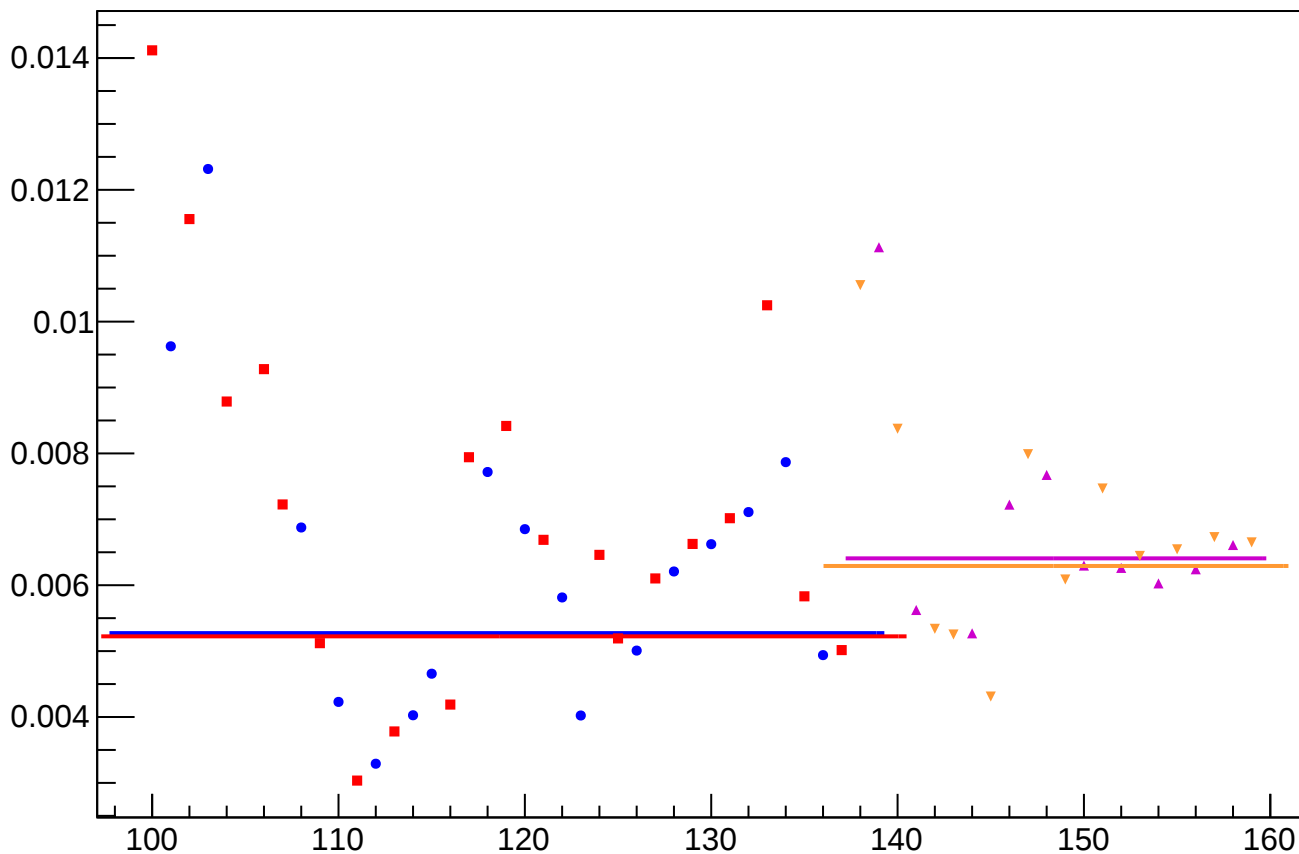
9.575+/-0.000 χ^2/NDF : 88116289893.9/28

Right Out: 10.082+/-0.000 χ^2/NDF : 15502760782.3/19

9.666+/-0.000 χ^2/NDF : 91188625797.8/29

Left In: 9.168+/-0.000 χ^2/NDF : 2474655146.3/9

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 667027.3/11

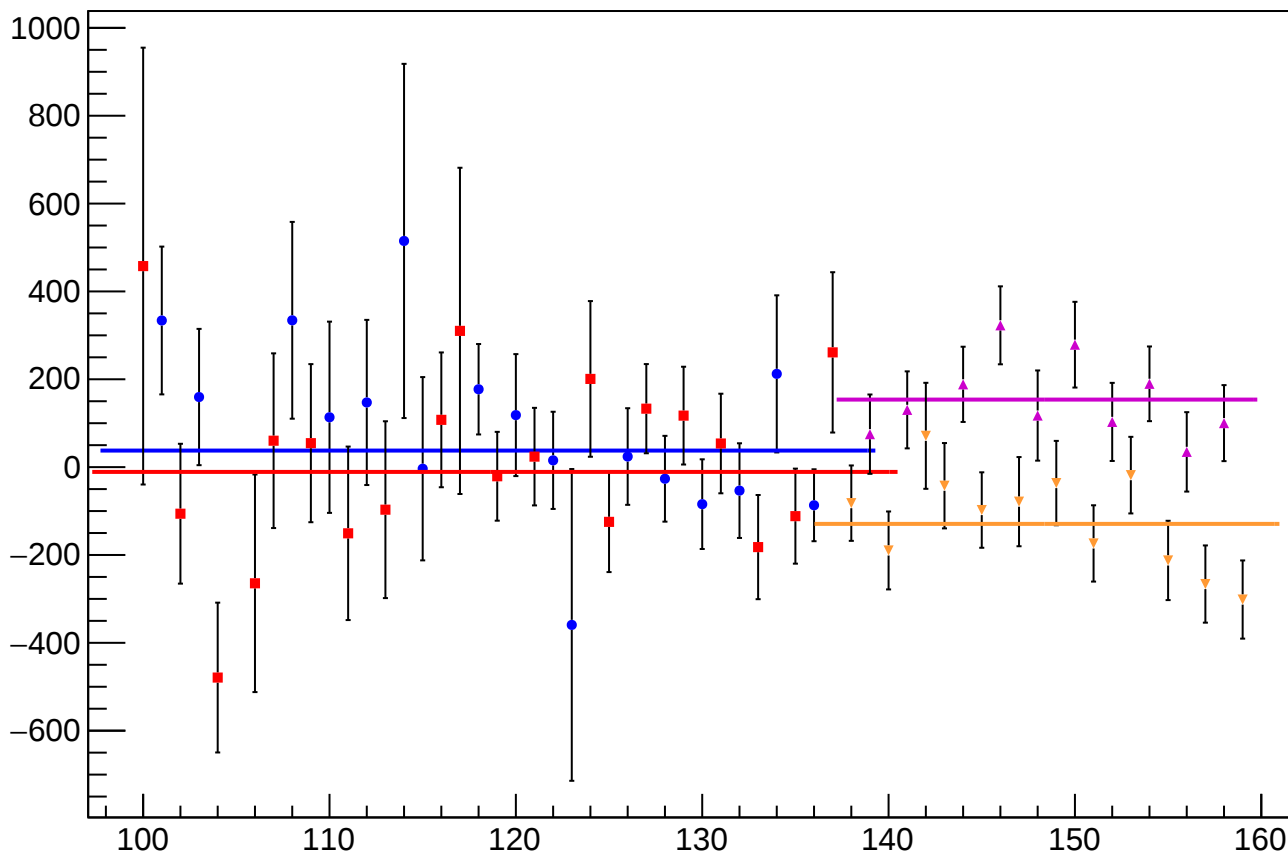
Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

Left In: 0.006+/-0.000 χ^2/NDF : 391112.3/9

0.006+/-0.000 χ^2/NDF : 2098091.2/28

0.006+/-0.000 χ^2/NDF : 2304431.7/29

reg_asym_sam1_mean vs Slug



Right In: 37.694+/-32.253 χ^2/NDF : 16.7/16

Left Out: -129.228+/-26.529 χ^2/NDF :14.6/11

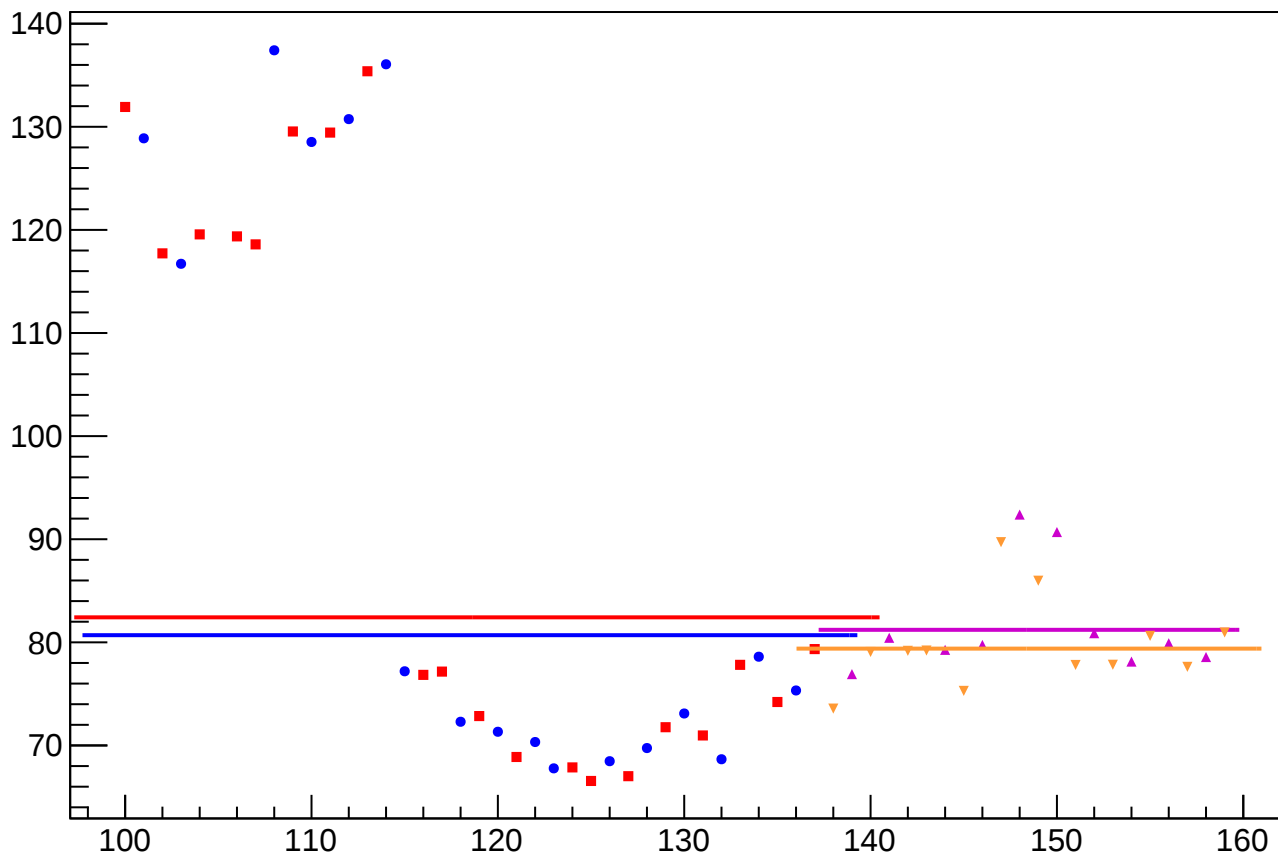
Right Out: -10.884+/-31.947 χ^2/NDF : 23.5/19

Left In: 153.760+/-28.435 χ^2/NDF :9.0/9

-61.870+/-20.489 χ^2/NDF : 47.2/28

80.982+/-21.240 χ^2/NDF : 47.3/29

reg_asym_sam1_rms vs Slug



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.391 $\pm$ 0.019 χ^2 /NDF: 46986.3/11

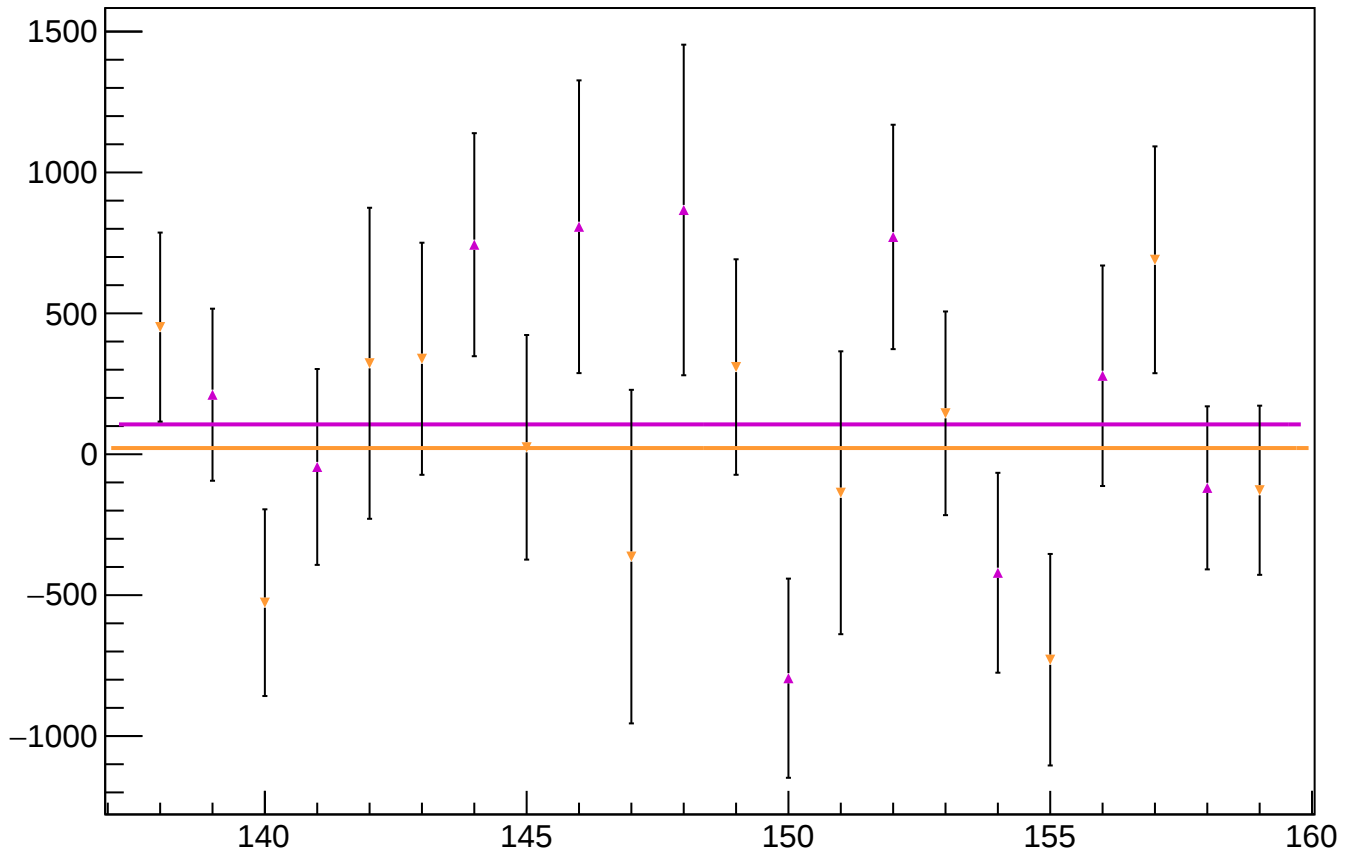
Right Out: 82.424 $\pm$ 0.023 χ^2 /NDF: 915282.5/19

Left In: 81.214 $\pm$ 0.020 χ^2 /NDF: 53775.2/9

79.917 $\pm$ 0.014 χ^2 /NDF: 862960.1/28

81.749 $\pm$ 0.015 χ^2 /NDF: 970659.1/29

asym_sam1_correction_mean vs Slug



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

Left Out: 22.015+/-112.388 χ^2/NDF :13.5/11

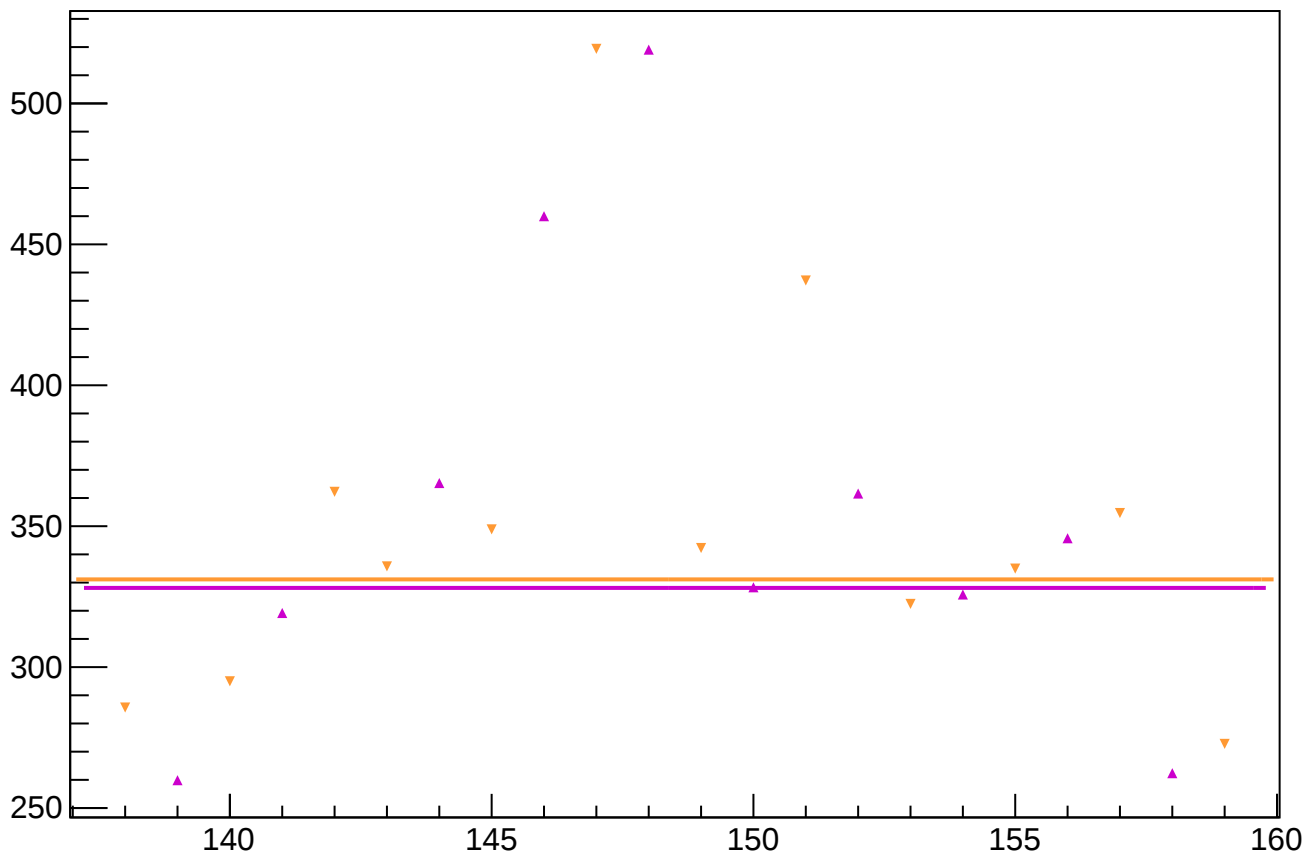
22.015+/-112.388 χ^2/NDF : 13.5/11

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

Left In: 105.952+/-117.243 χ^2/NDF :18.7/9

105.952+/-117.243 χ^2/NDF : 18.7/9

asym_sam1_correction_rms vs Slug



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

Left Out: 331.127+/-0.079 χ^2/NDF : 448273.7/11

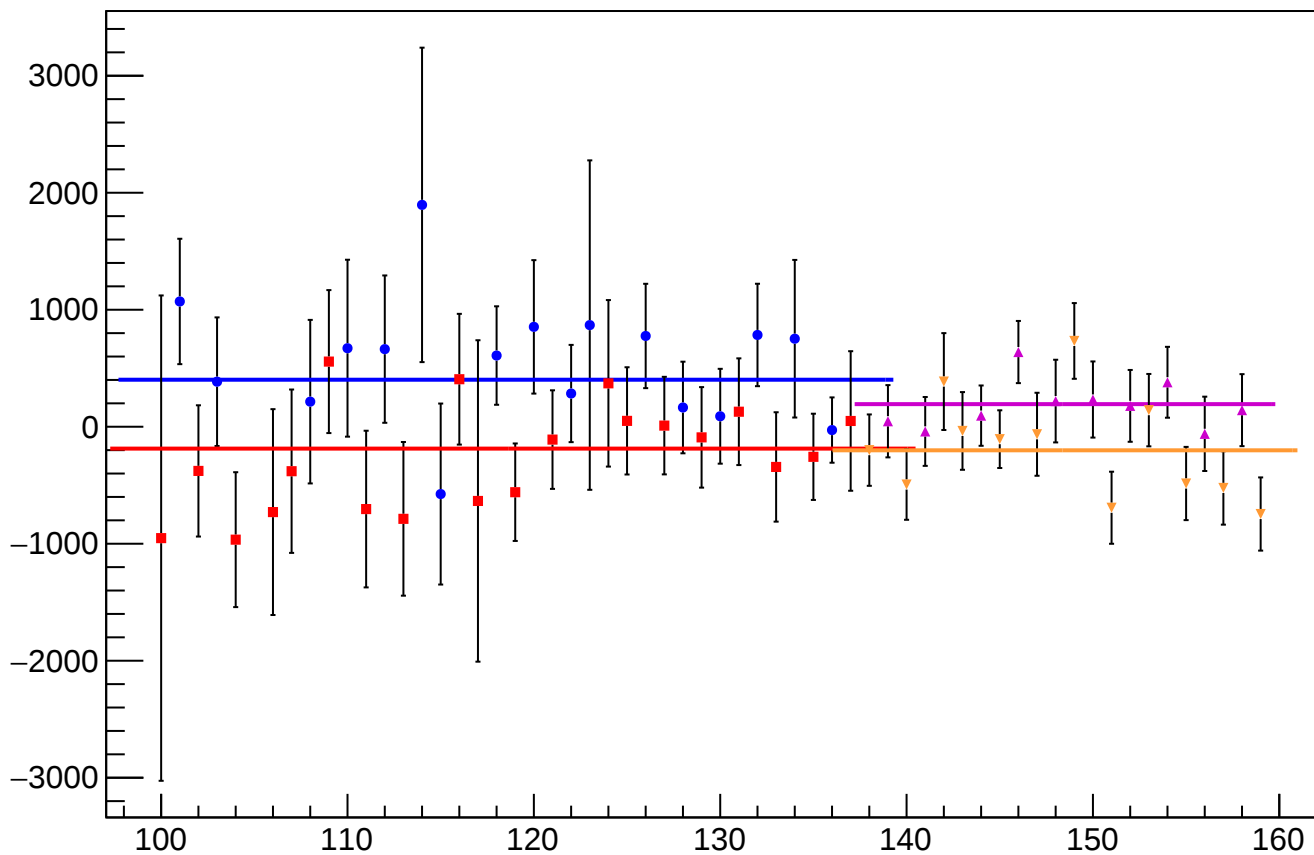
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 328.106+/-0.083 χ^2/NDF : 581394.6/9

331.127+/-0.079 χ^2/NDF : 448273.7/11

328.106+/-0.083 χ^2/NDF : 581394.6/9

reg_asym_sam2_mean vs Slug



Right In: 401.871+/-121.048 χ^2/NDF : 10.9/16

Left Out: -201.478+/-90.474 χ^2/NDF : 20.5/11

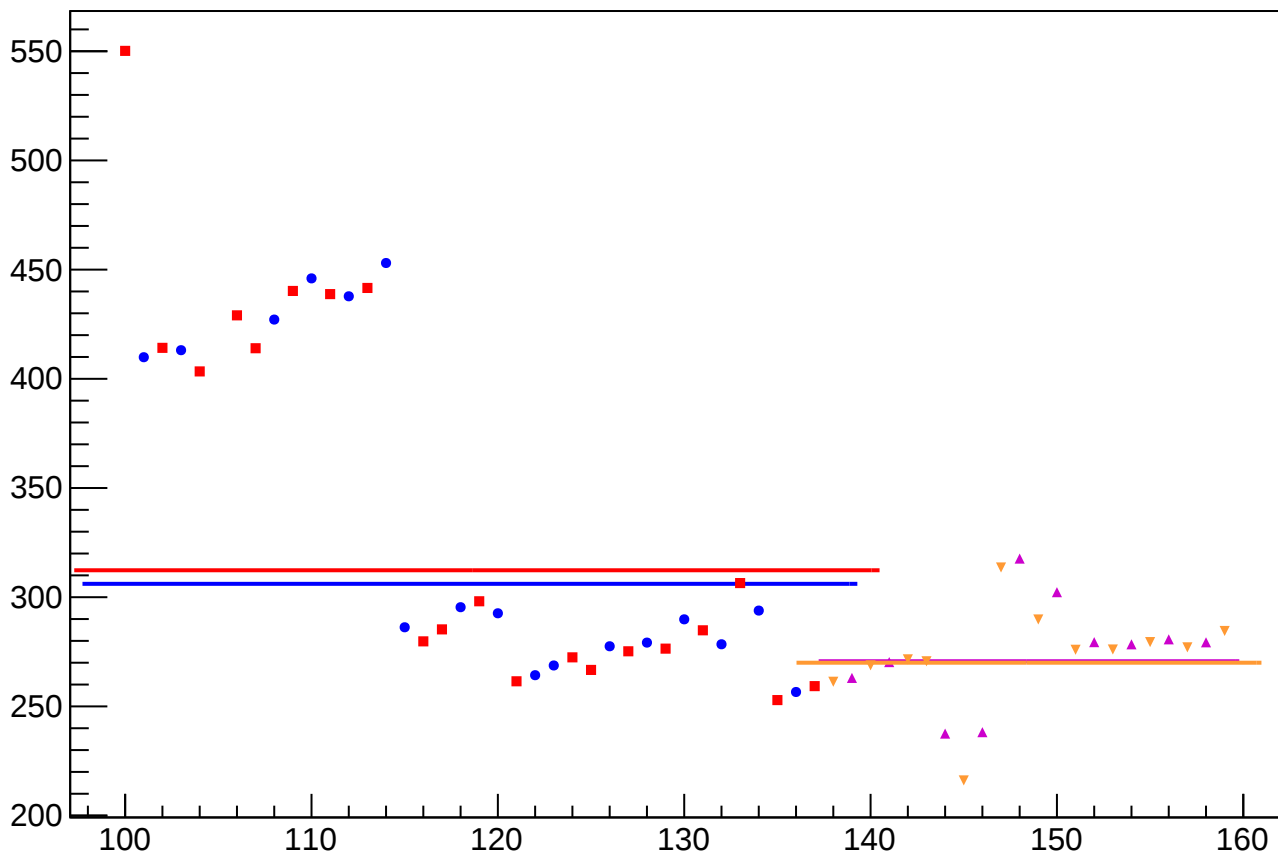
Right Out: -186.914+/-119.879 χ^2/NDF : 9.4/19

Left In: 193.191+/-95.050 χ^2/NDF : 4.9/9

14.773+/-72.469 χ^2/NDF : 47.4/28

46.470+/-74.480 χ^2/NDF : 20.5/29

reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 270.005+/-0.064 χ^2/NDF :143552.8/11

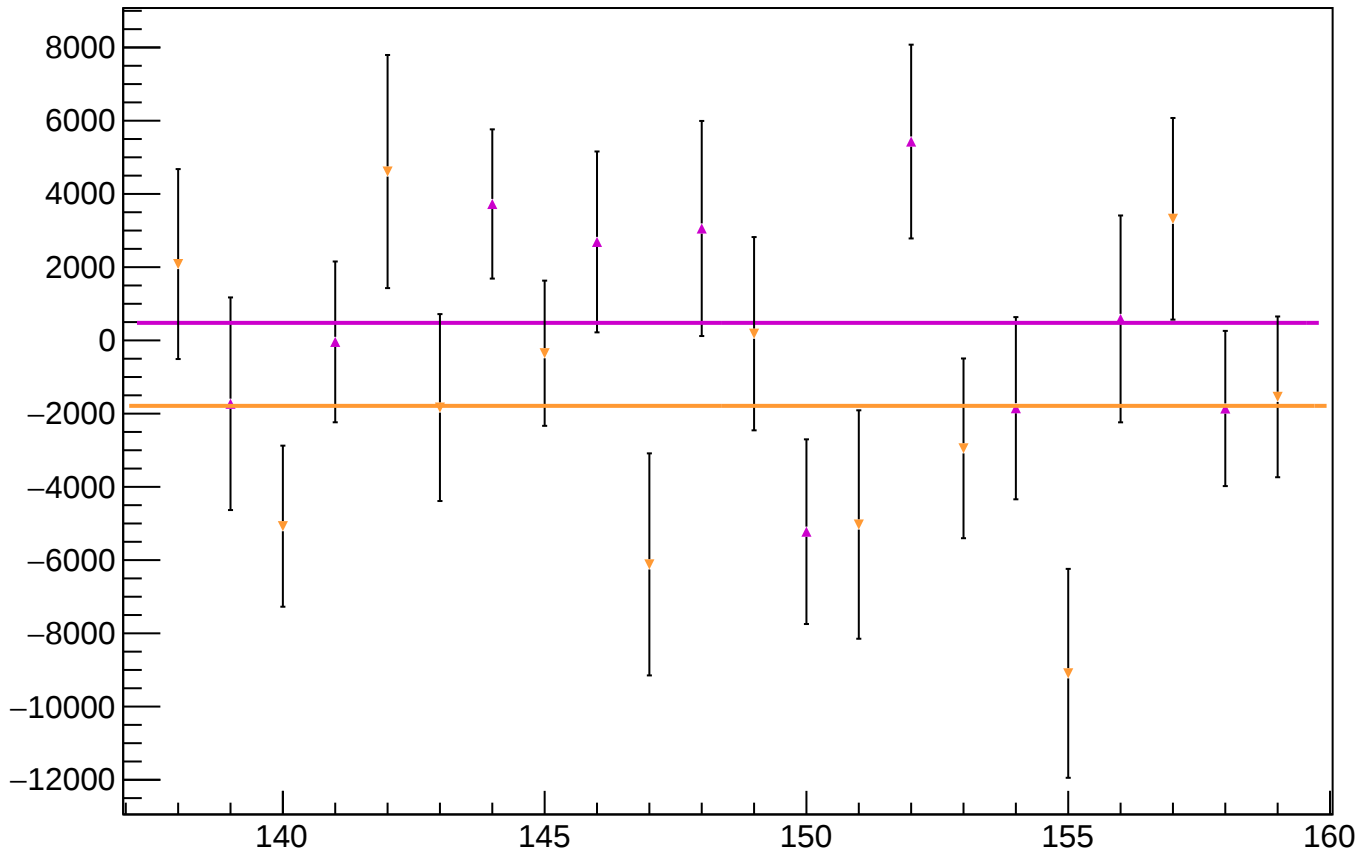
Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

Left In: 270.681+/-0.067 χ^2/NDF :124967.7/9

282.950+/-0.051 χ^2/NDF : 766231.6/28

286.759+/-0.053 χ^2/NDF : 899781.7/29

asym_sam2_correction_mean vs Slug



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

Left Out: -1787.555+/-736.137 χ^2/NDF : 22.9/11

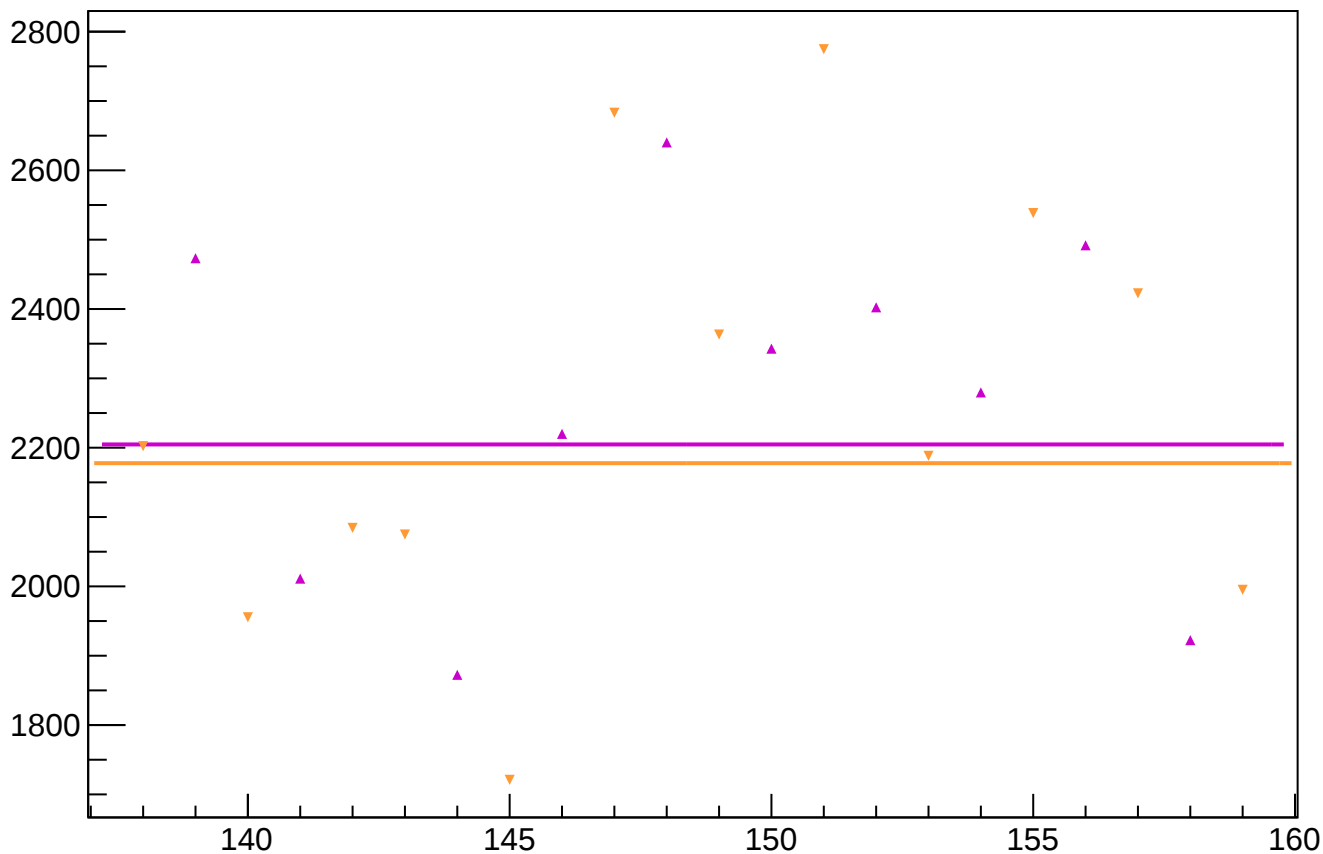
-1787.555+/-736.137 χ^2/NDF : 22.9/11

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

478.999+/-777.023 χ^2/NDF : 15.5/9

Left In: 478.999+/-777.023 χ^2/NDF : 15.5/9

asym_sam2_correction_rms vs Slug



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

Left Out: 2177.672+/-0.521 χ^2/NDF : 332049.5/11

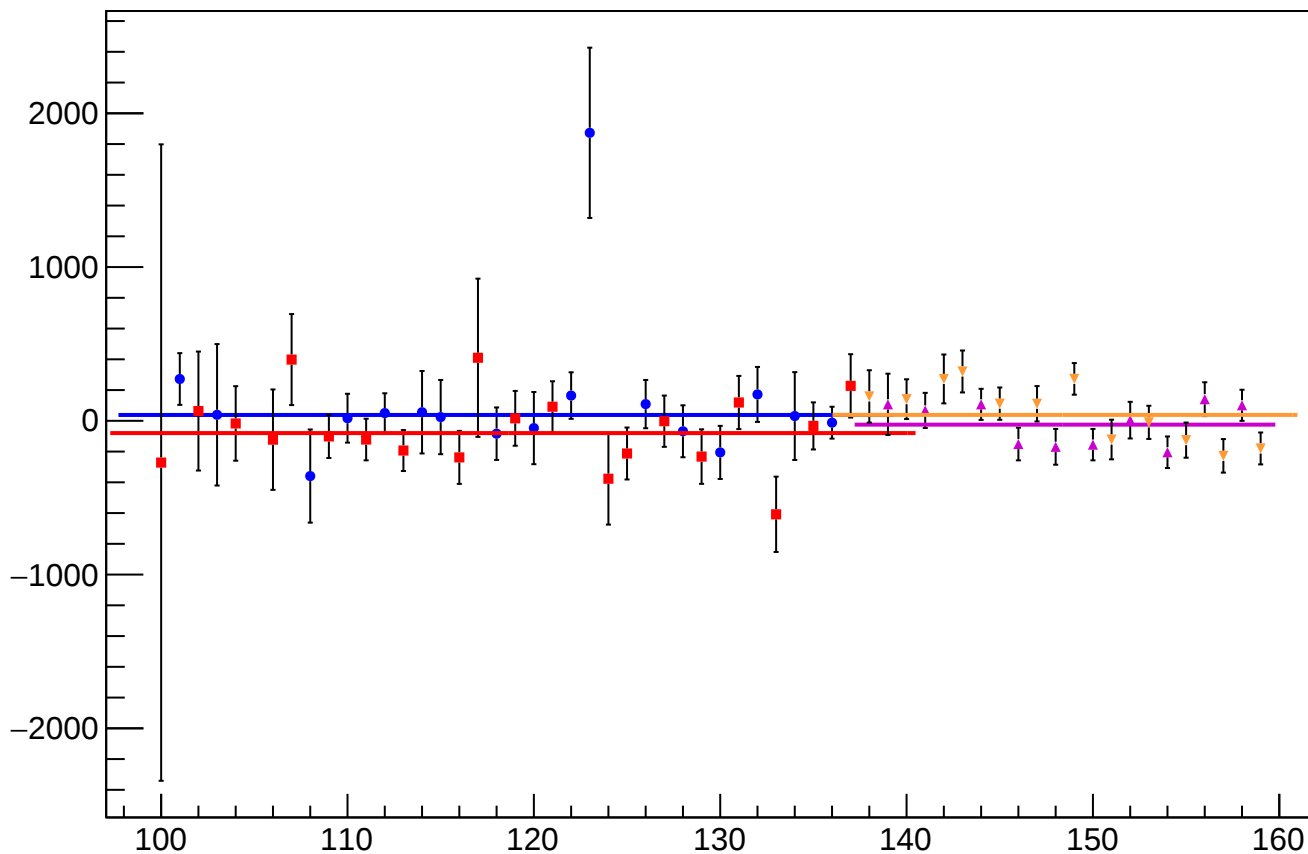
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2204.695+/-0.549 χ^2/NDF : 205009.3/9

2177.672+/-0.521 χ^2/NDF : 332049.5/11

2204.695+/-0.549 χ^2/NDF : 205009.3/9

reg_asym_sam3_mean vs Slug



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 38.447+/-34.340 χ^2/NDF : 27.8/11

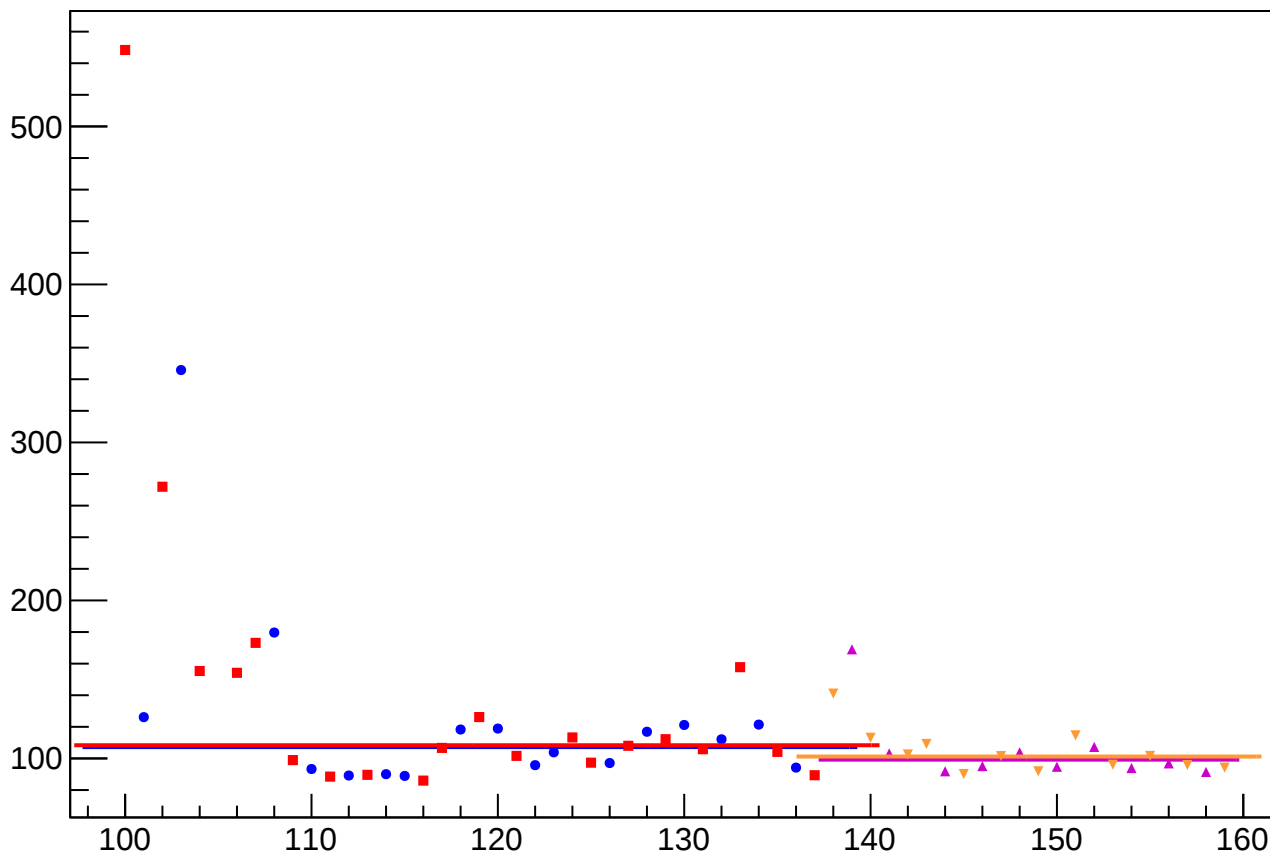
Right Out: -79.665+/-42.948 χ^2/NDF : 17.6/19

Left In: -24.852+/-35.283 χ^2/NDF : 14.3/9

38.324+/-26.965 χ^2/NDF : 47.2/28

-46.939+/-27.262 χ^2/NDF : 32.9/29

reg_asym_sam3_rms vs Slug



Right In: 107.189+/-0.031 χ^2/NDF : 843115.1/16

Left Out: 101.203+/-0.024 χ^2/NDF : 212181.8/11

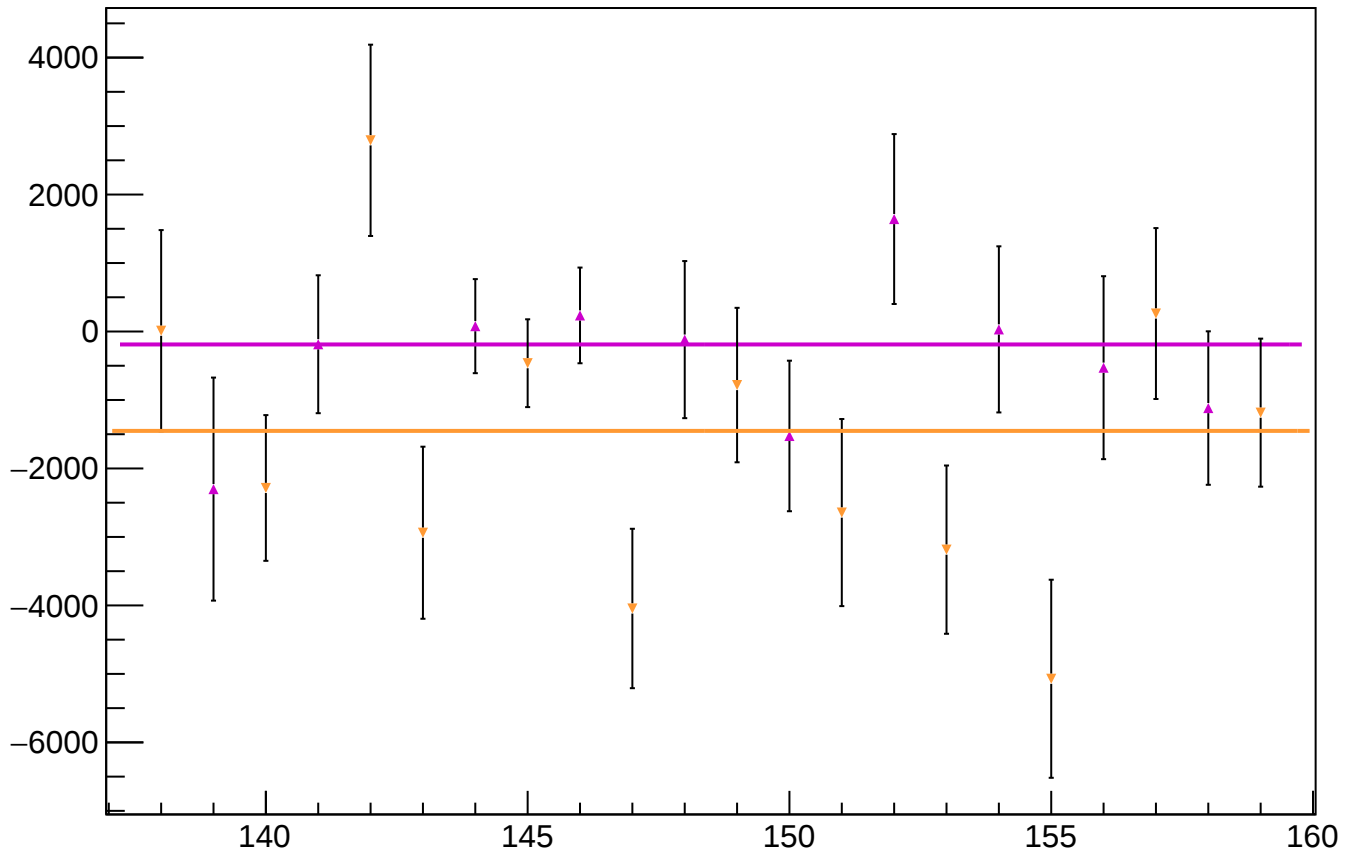
Right Out: 108.347+/-0.030 χ^2/NDF : 917309.2/19

Left In: 99.236+/-0.025 χ^2/NDF : 295880.7/9

103.498+/-0.019 χ^2/NDF : 1078600.1/28

102.907+/-0.019 χ^2/NDF : 1266926.5/29

asym_sam3_correction_mean vs Slug



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

Left Out: -1451.370+/-322.352 χ^2/NDF : 30.9/11

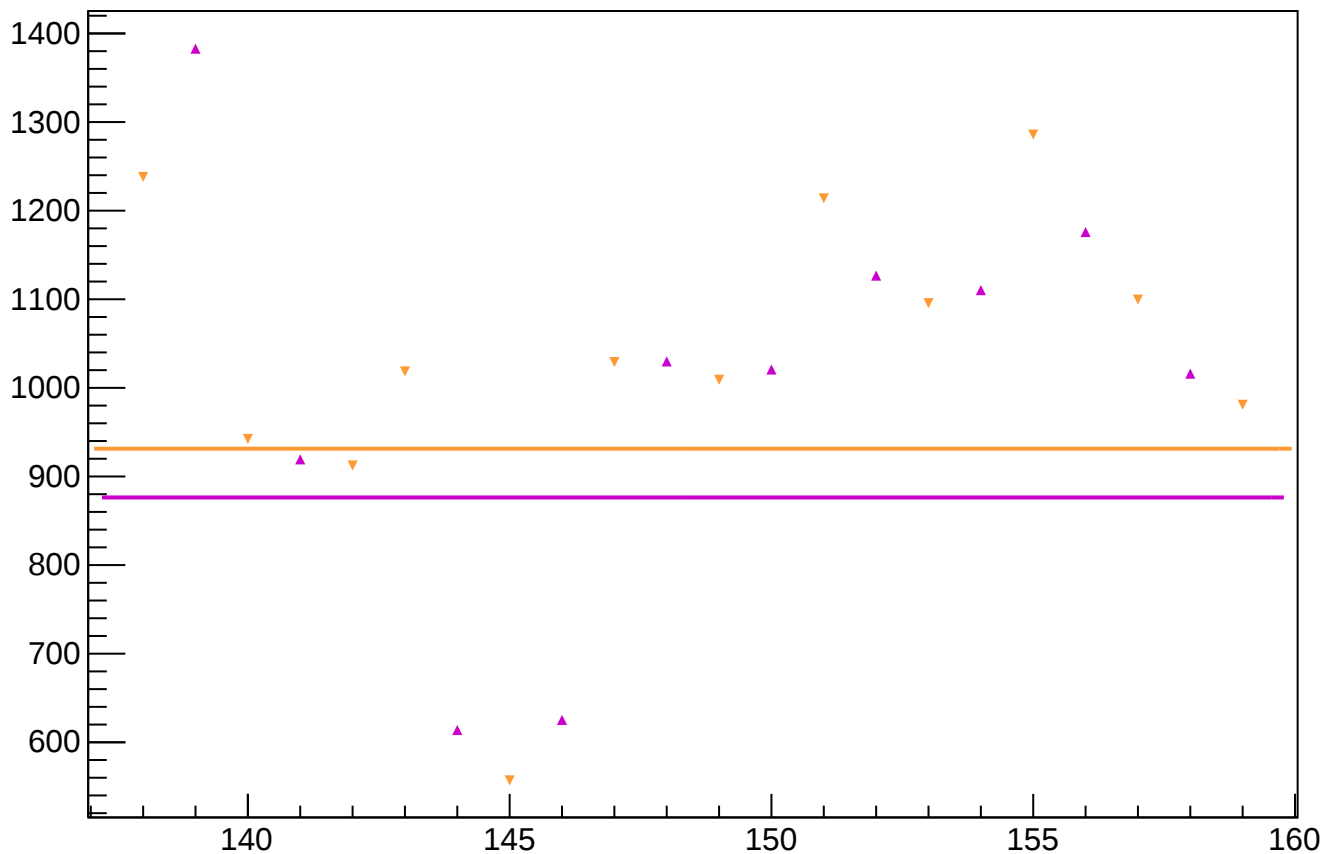
-1451.370+/-322.352 χ^2/NDF : 30.9/11

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

-189.102+/-319.360 χ^2/NDF : 6.6/9

Left In: -189.102+/-319.360 χ^2/NDF : 6.6/9

asym_sam3_correction_rms vs Slug



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

Left Out: 931.350+/-0.228 χ^2/NDF :1084842.6/11

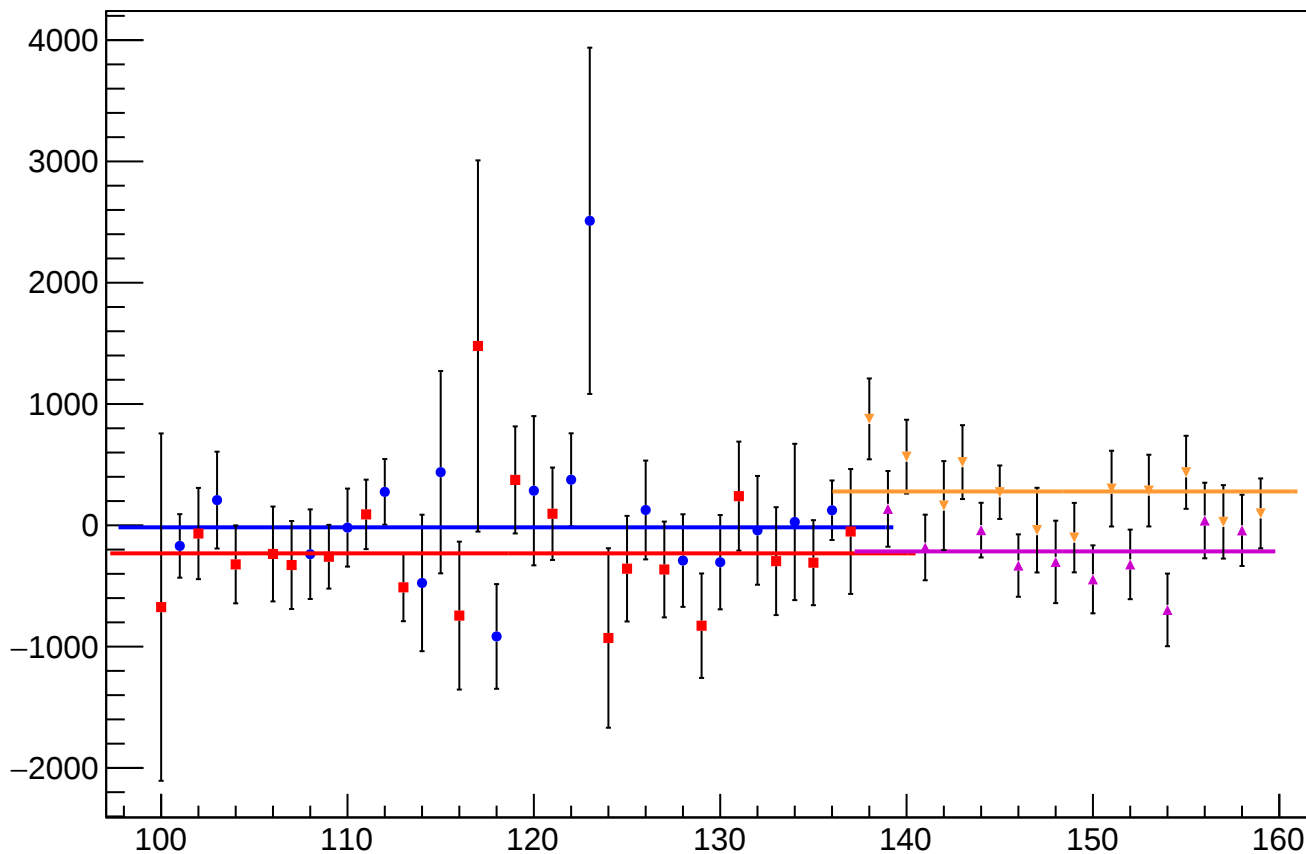
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 876.316+/-0.226 χ^2/NDF :1105287.0/9

931.350+/-0.228 χ^2/NDF : 1084842.6/11

876.316+/-0.226 χ^2/NDF : 1105287.0/9

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 279.095 ± 86.174 $\chi^2/\text{NDF}: 8.8/11$

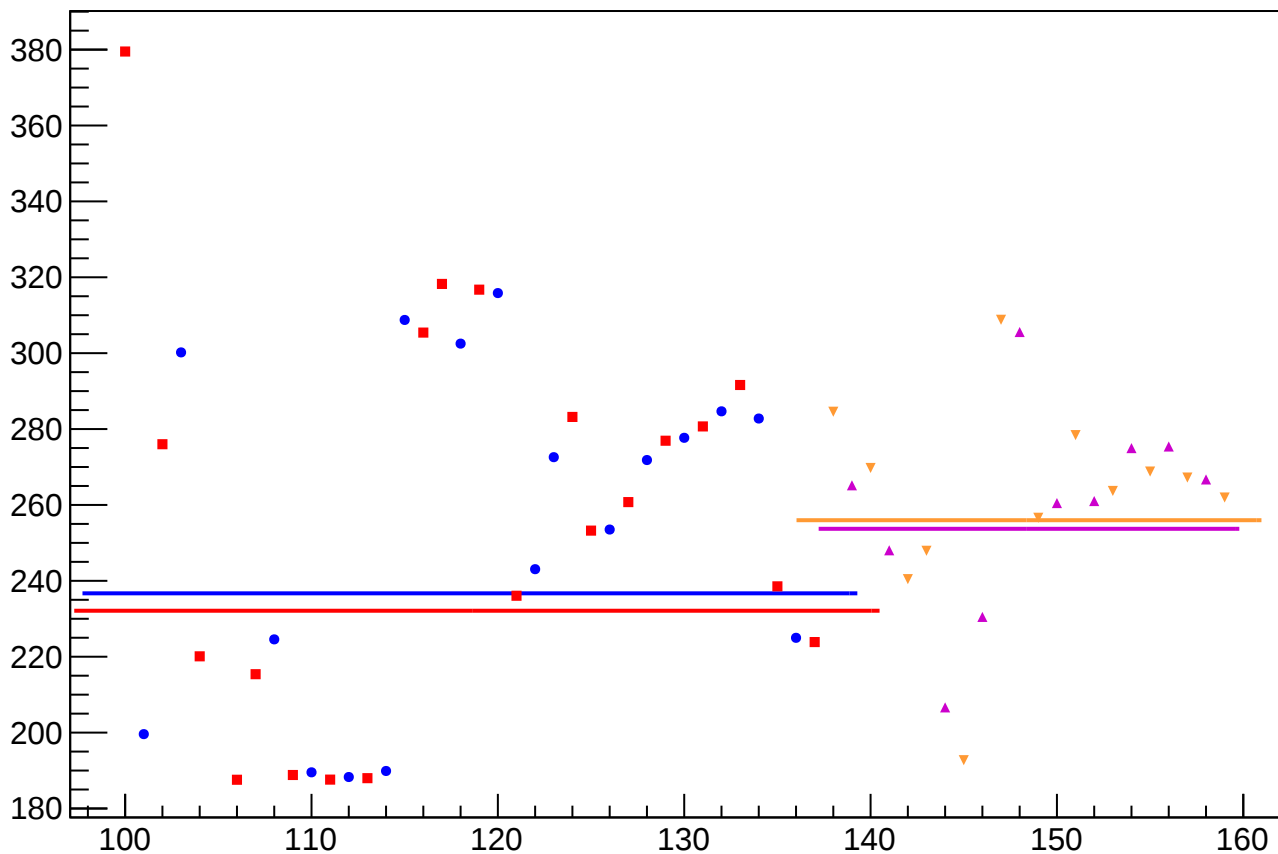
Right Out: -231.209 ± 88.787 $\chi^2/\text{NDF}: 11.6/19$

Left In: -215.035 ± 89.329 $\chi^2/\text{NDF}: 6.6/9$

143.010 ± 63.299 $\chi^2/\text{NDF}: 27.7/28$

-223.171 ± 62.973 $\chi^2/\text{NDF}: 18.2/29$

reg_asym_sam4_rms vs Slug



Right In: 236.706 ± 0.066 χ^2/NDF : 390344.9/16

Left Out: 255.977 ± 0.061 χ^2/NDF : 252949.6/11

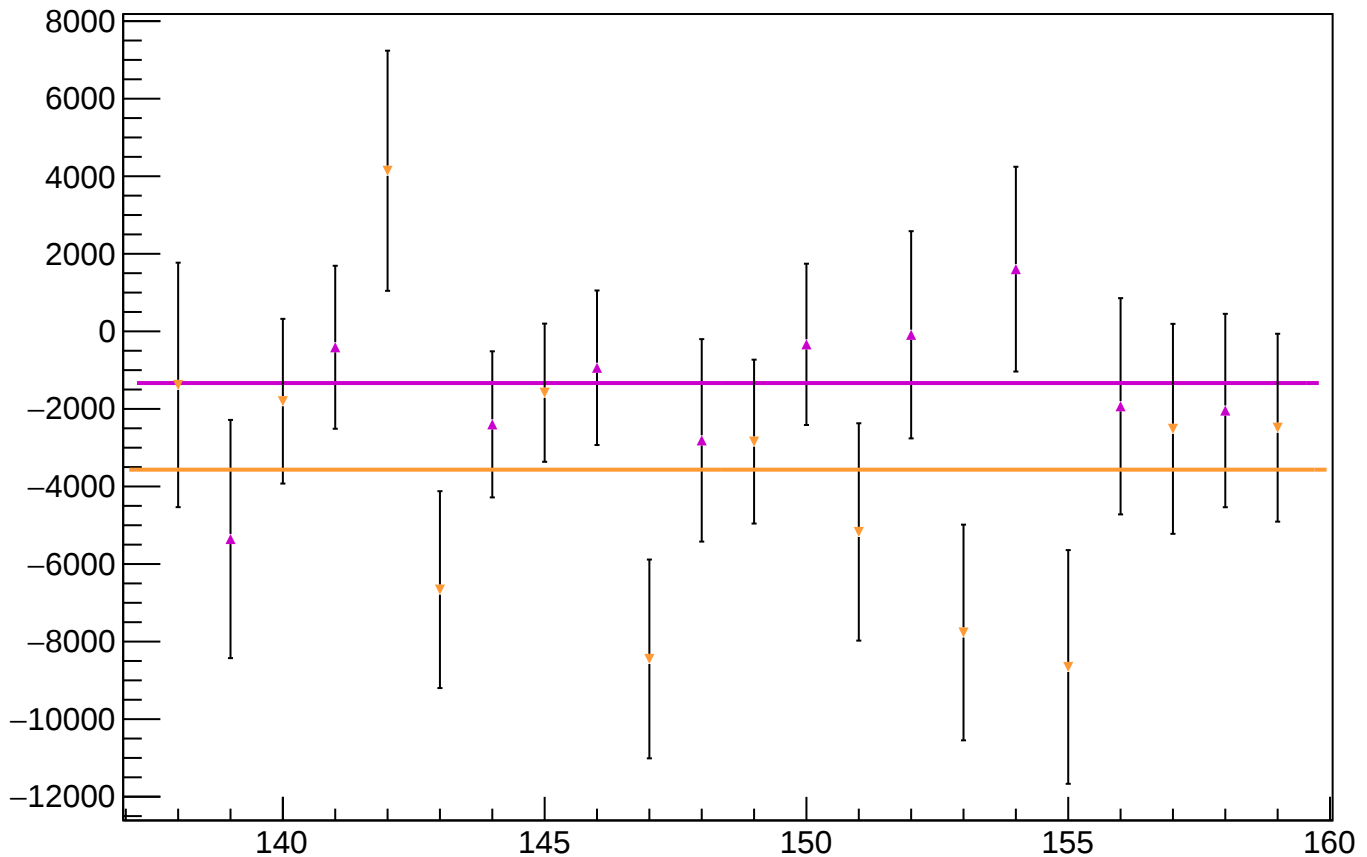
Right Out: 232.119 ± 0.063 χ^2/NDF : 449633.1/19

Left In: 253.710 ± 0.063 χ^2/NDF : 179766.7/9

247.104 ± 0.045 χ^2/NDF : 689344.8/28

242.849 ± 0.045 χ^2/NDF : 688173.6/29

asym_sam4_correction_mean vs Slug



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

Left Out: -3566.579+/-716.739 χ^2/NDF : 19.6/11

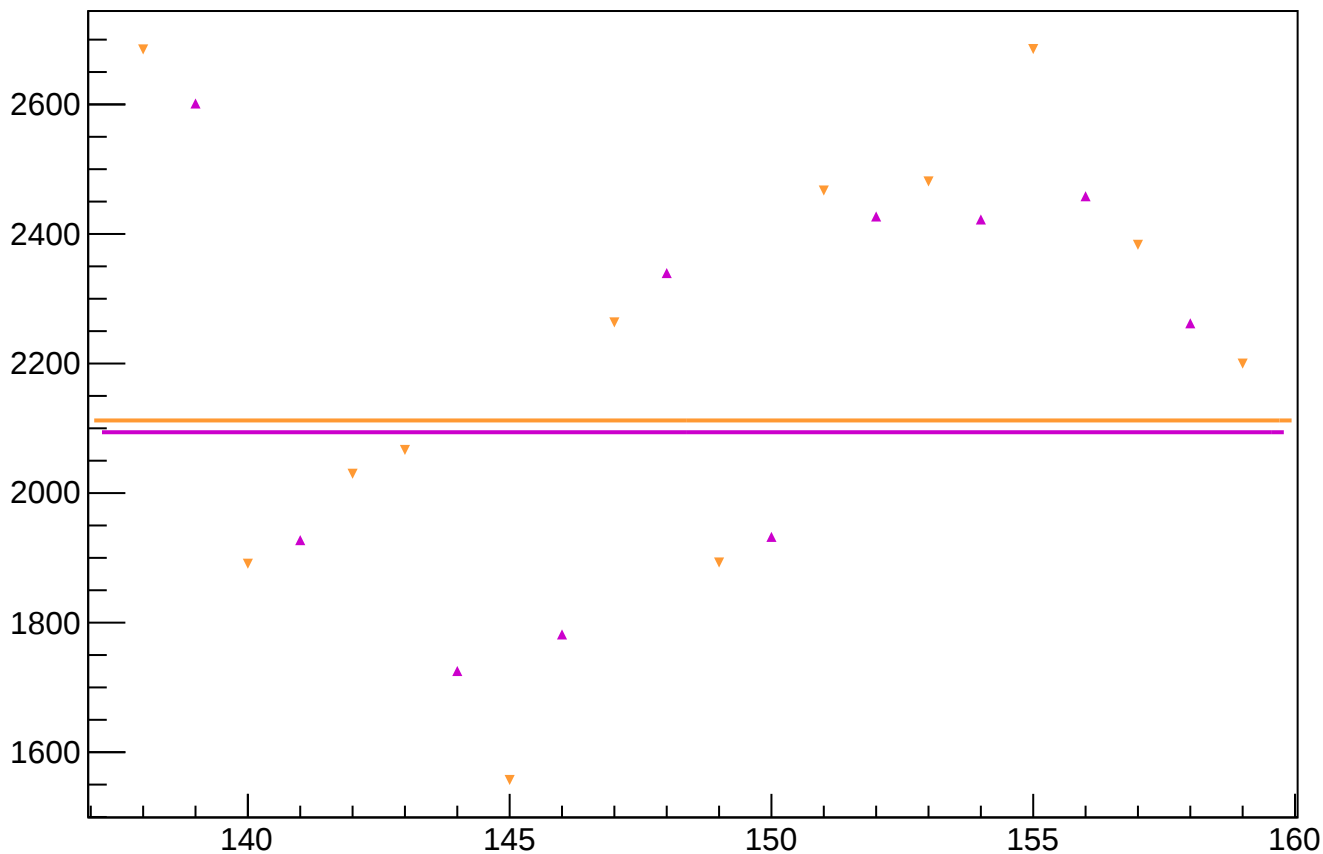
-3566.579+/-716.739 χ^2/NDF : 19.6/11

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

-1332.764+/-741.850 χ^2/NDF : 4.4/9

Left In: -1332.764+/-741.850 χ^2/NDF : 4.4/9

asym_sam4_correction_rms vs Slug



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

Left Out: 2112.127+/-0.507 χ^2/NDF : 474749.6/11

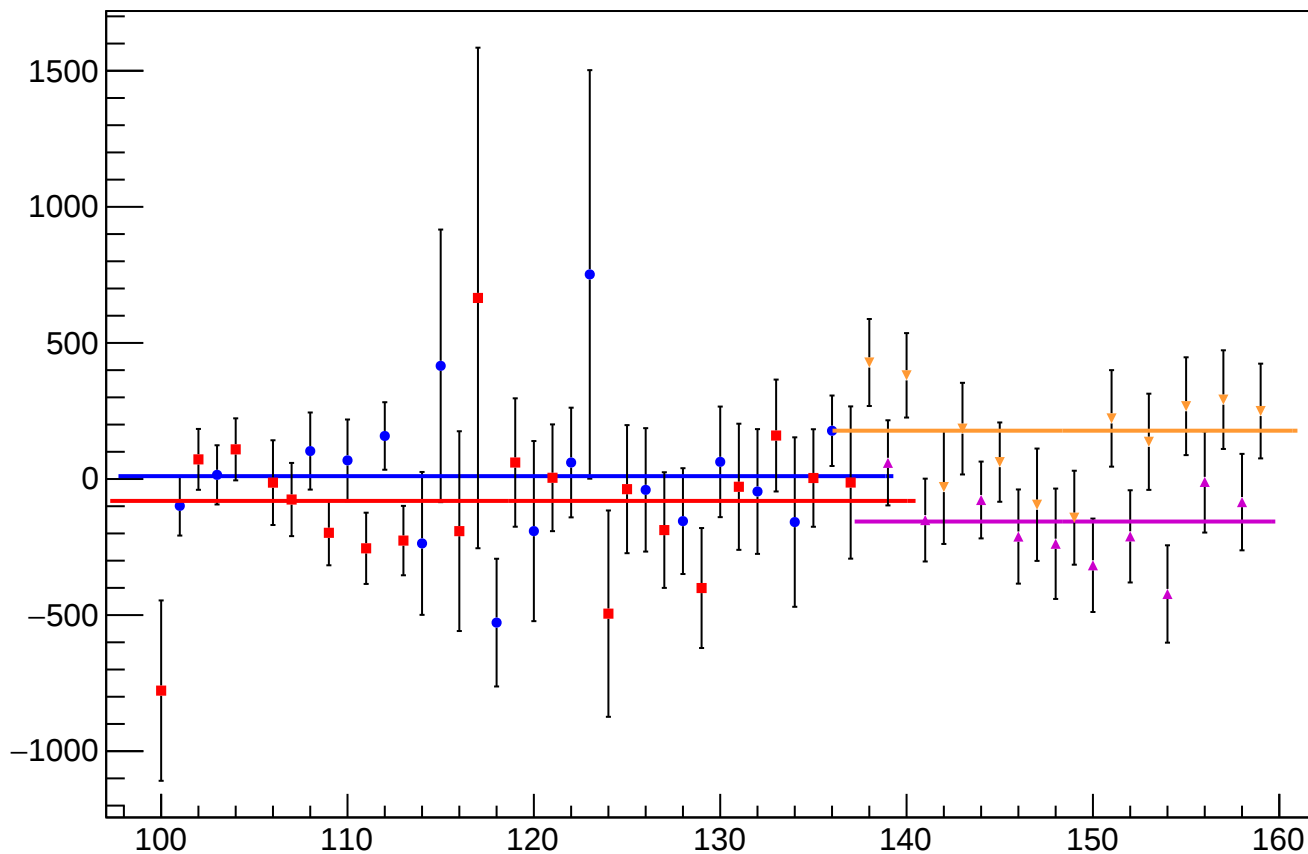
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2093.934+/-0.525 χ^2/NDF : 327859.6/9

2112.127+/-0.507 χ^2/NDF : 474749.6/11

2093.934+/-0.525 χ^2/NDF : 327859.6/9

reg_asym_sam5_mean vs Slug



Right In: 10.530 ± 42.294 χ^2/NDF : 14.1/16

Left Out: 177.557 ± 49.927 χ^2/NDF : 11.9/11

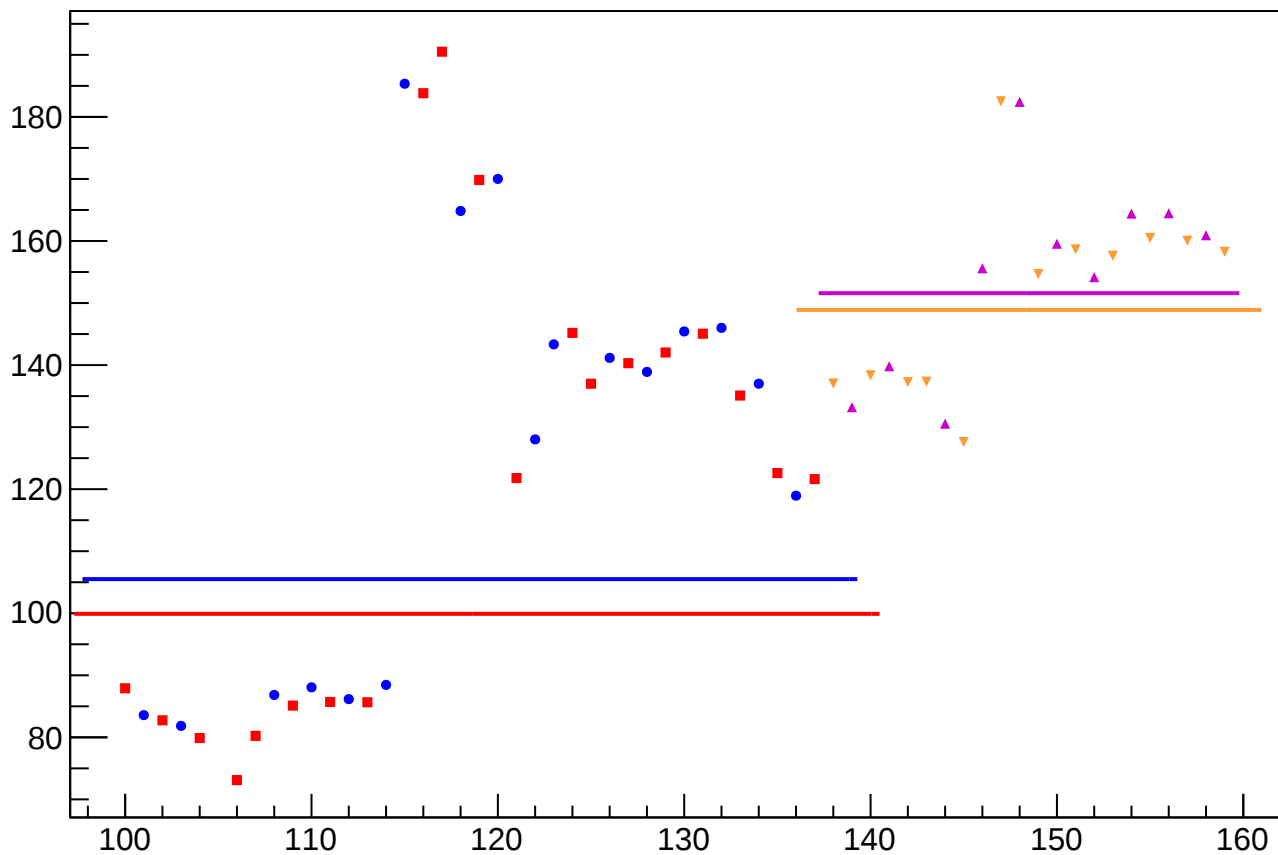
Right Out: -80.462 ± 38.950 χ^2/NDF : 19.9/19

Left In: -156.261 ± 53.245 χ^2/NDF : 6.4/9

80.314 ± 32.271 χ^2/NDF : 32.5/28

-106.884 ± 31.437 χ^2/NDF : 27.6/29

reg_asym_sam5_rms vs Slug



Right In: 105.503+/-0.030 χ^2/NDF : 869022.6/16

Left Out: 148.893+/-0.035 χ^2/NDF : 166571.4/11

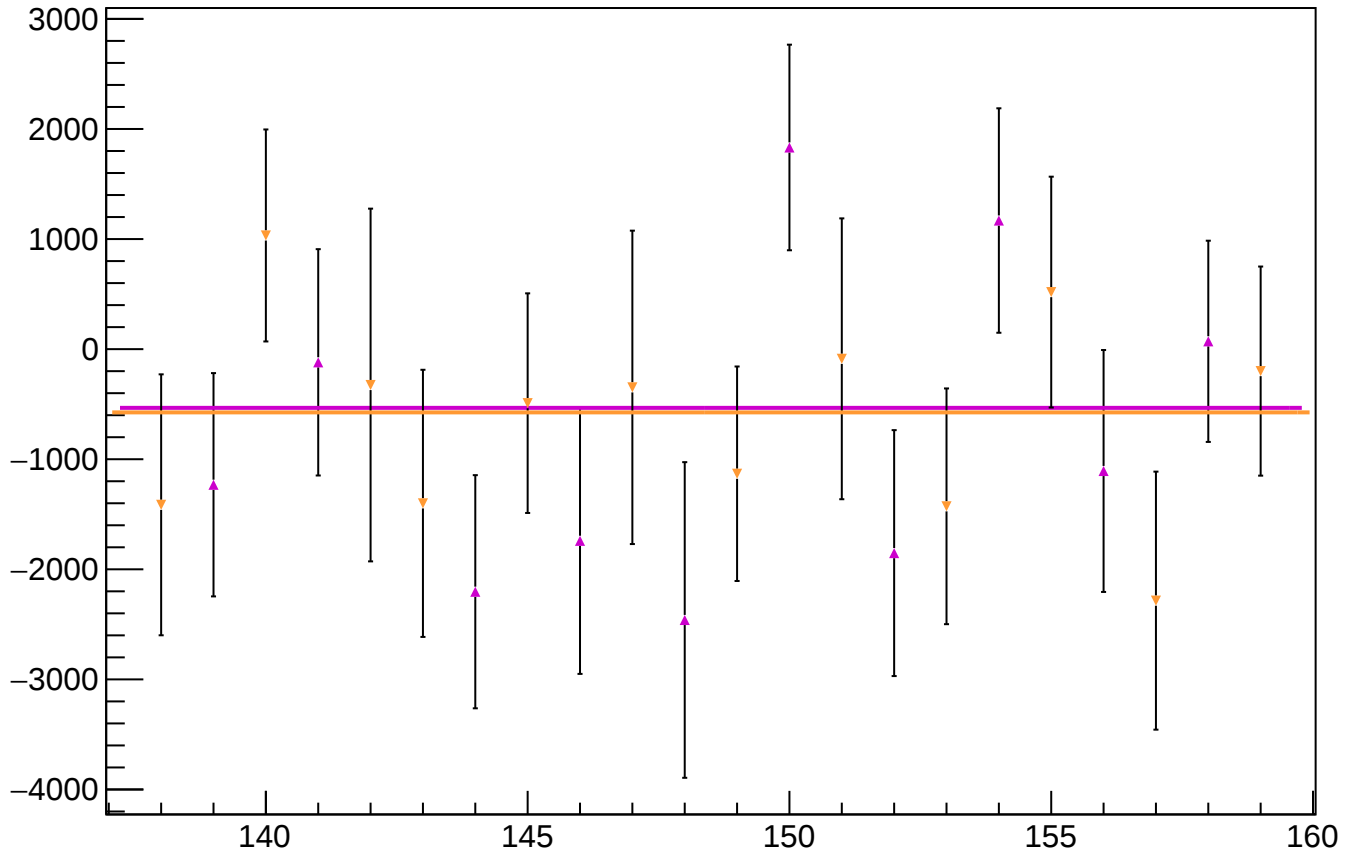
Right Out: 99.907+/-0.028 χ^2/NDF : 1019545.3/19

Left In: 151.590+/-0.038 χ^2/NDF : 161514.6/9

123.631+/-0.023 χ^2/NDF : 1915056.5/28

117.923+/-0.022 χ^2/NDF : 2408554.4/29

asym_sam5_correction_mean vs Slug



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

Left Out: -574.498+/-322.007 χ^2/NDF : 8.3/11

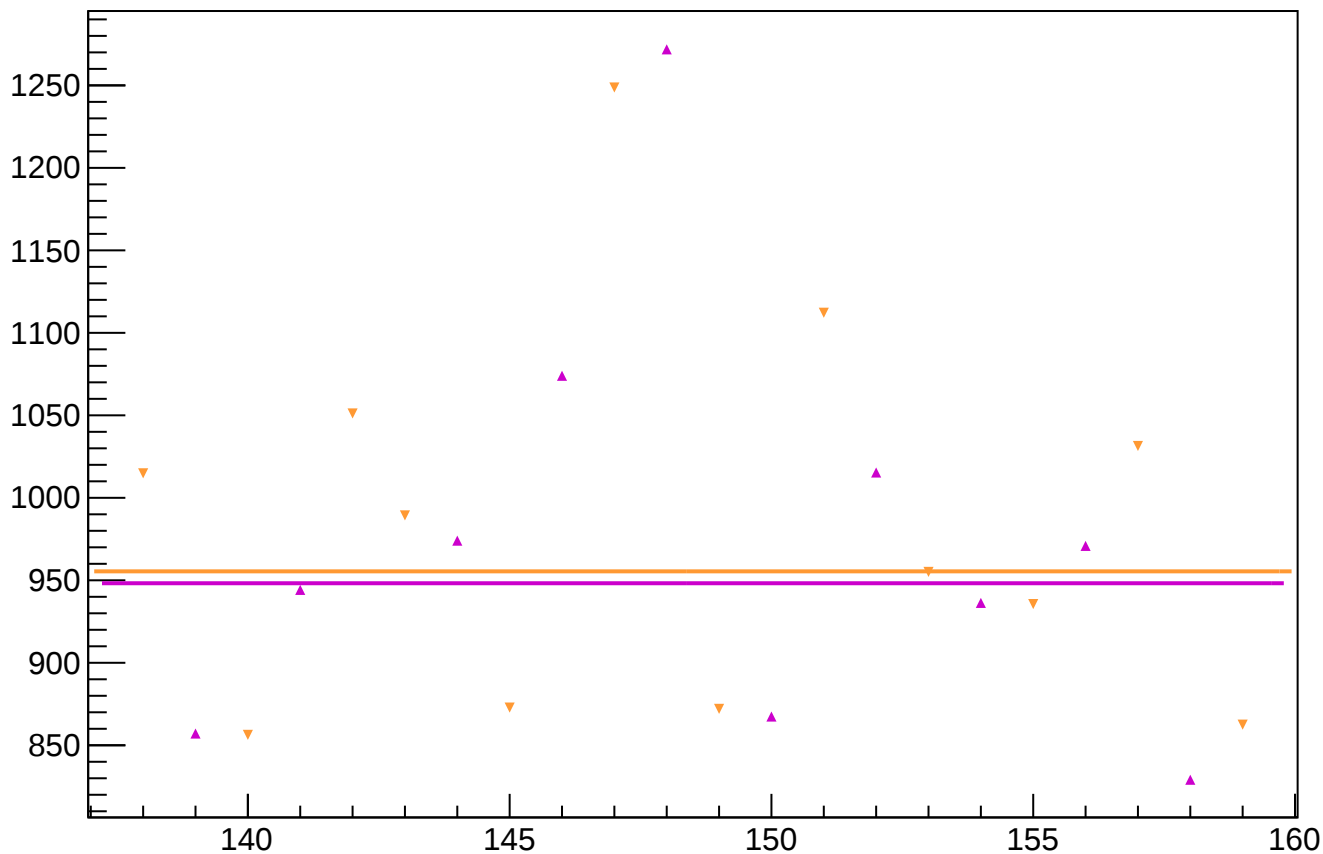
-574.498+/-322.007 χ^2/NDF : 8.3/11

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

-533.329+/-334.895 χ^2/NDF : 17.2/9

Left In: -533.329+/-334.895 χ^2/NDF : 17.2/9

asym_sam5_correction_rms vs Slug



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

Left Out: 955.430+/-0.228 χ^2/NDF : 206636.4/11

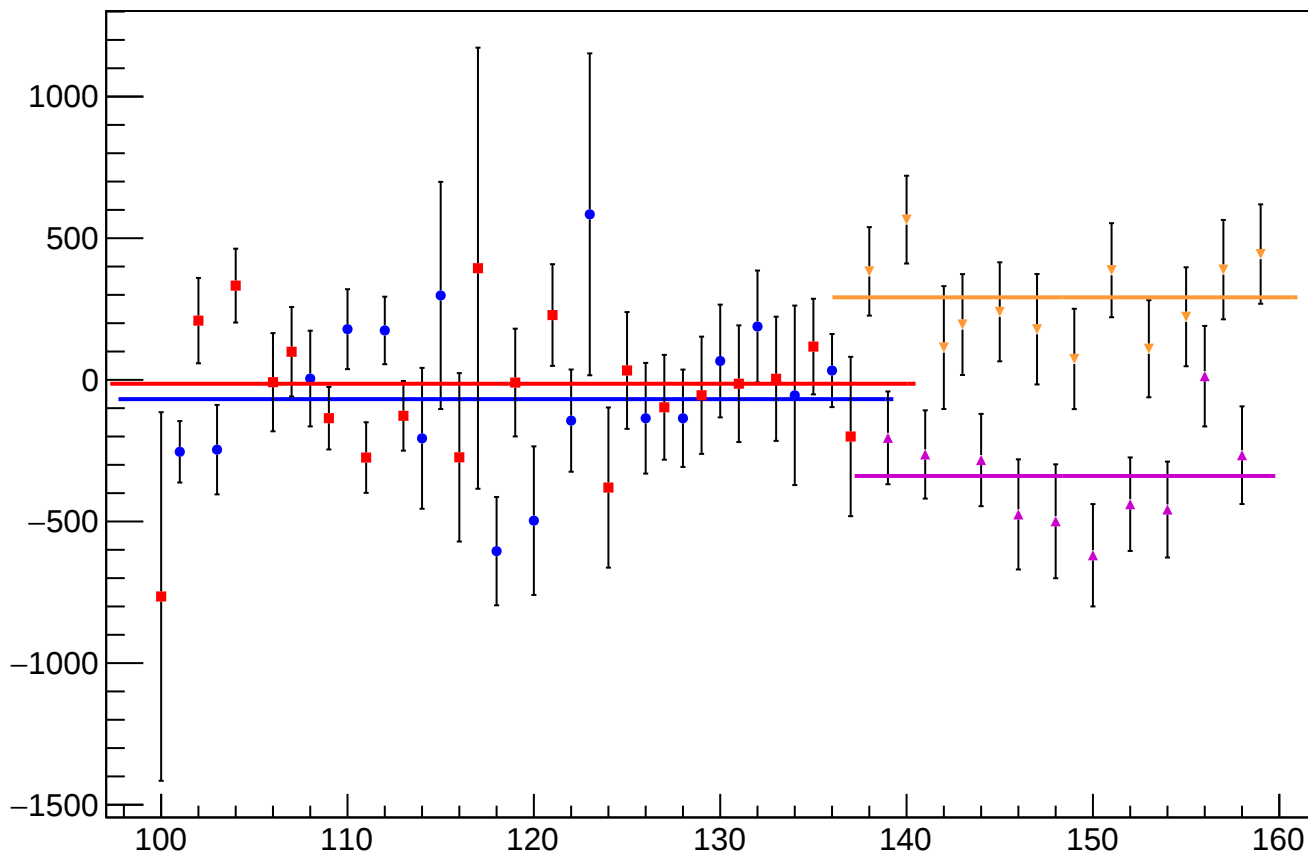
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 948.221+/-0.237 χ^2/NDF : 198184.3/9

955.430+/-0.228 χ^2/NDF : 206636.4/11

948.221+/-0.237 χ^2/NDF : 198184.3/9

reg_asym_sam6_mean vs Slug



Right In: -68.111 $\pm$ 42.265 χ^2 /NDF: 27.8/16

Left Out: 291.277 $\pm$ 50.350 χ^2 /NDF: 9.0/11

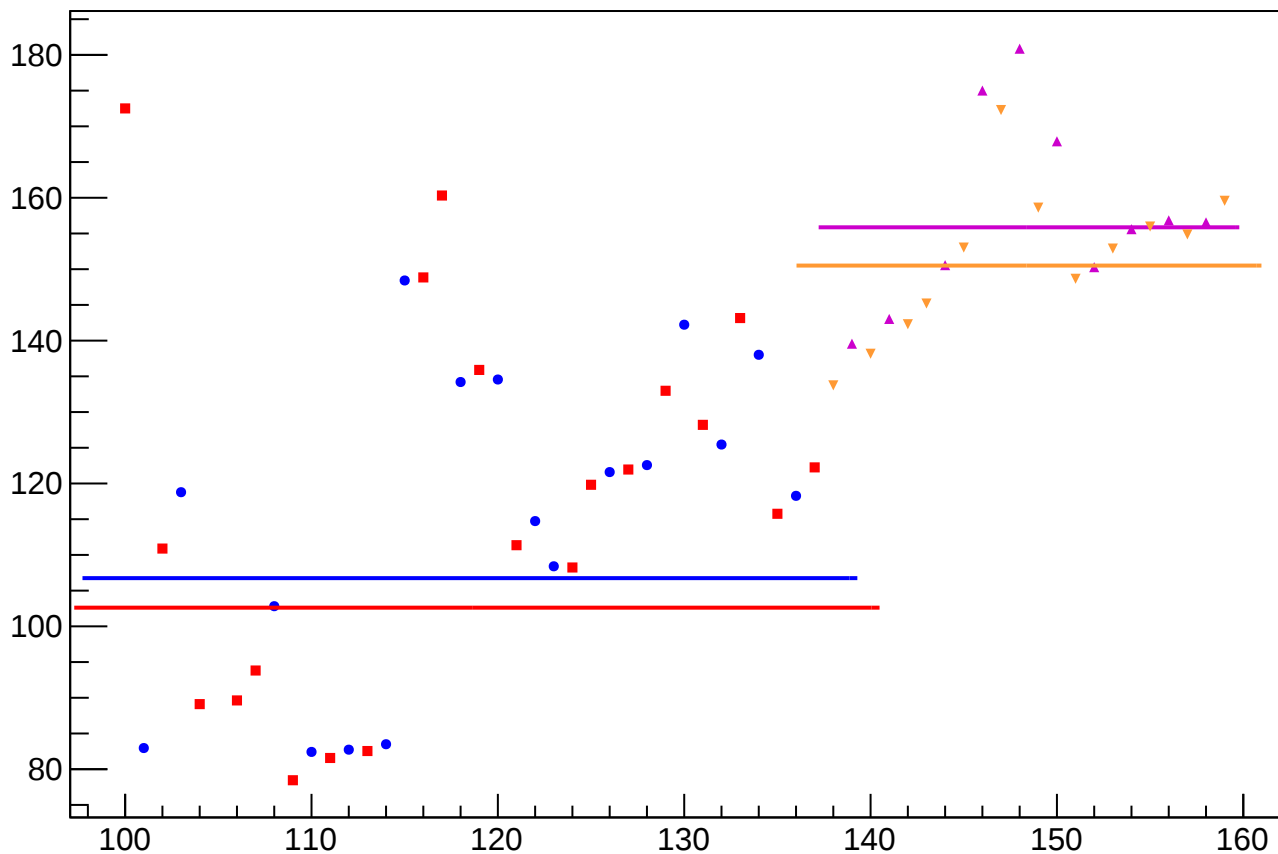
Right Out: -13.752 $\pm$ 39.416 χ^2 /NDF: 23.4/19

Left In: -339.321 $\pm$ 54.638 χ^2 /NDF: 9.5/9

80.448 $\pm$ 32.372 χ^2 /NDF: 66.8/28

-125.191 $\pm$ 31.966 χ^2 /NDF: 56.3/29

reg_asym_sam6_rms vs Slug



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 150.508 $\pm$ 0.036 χ^2 /NDF: 79135.6/11

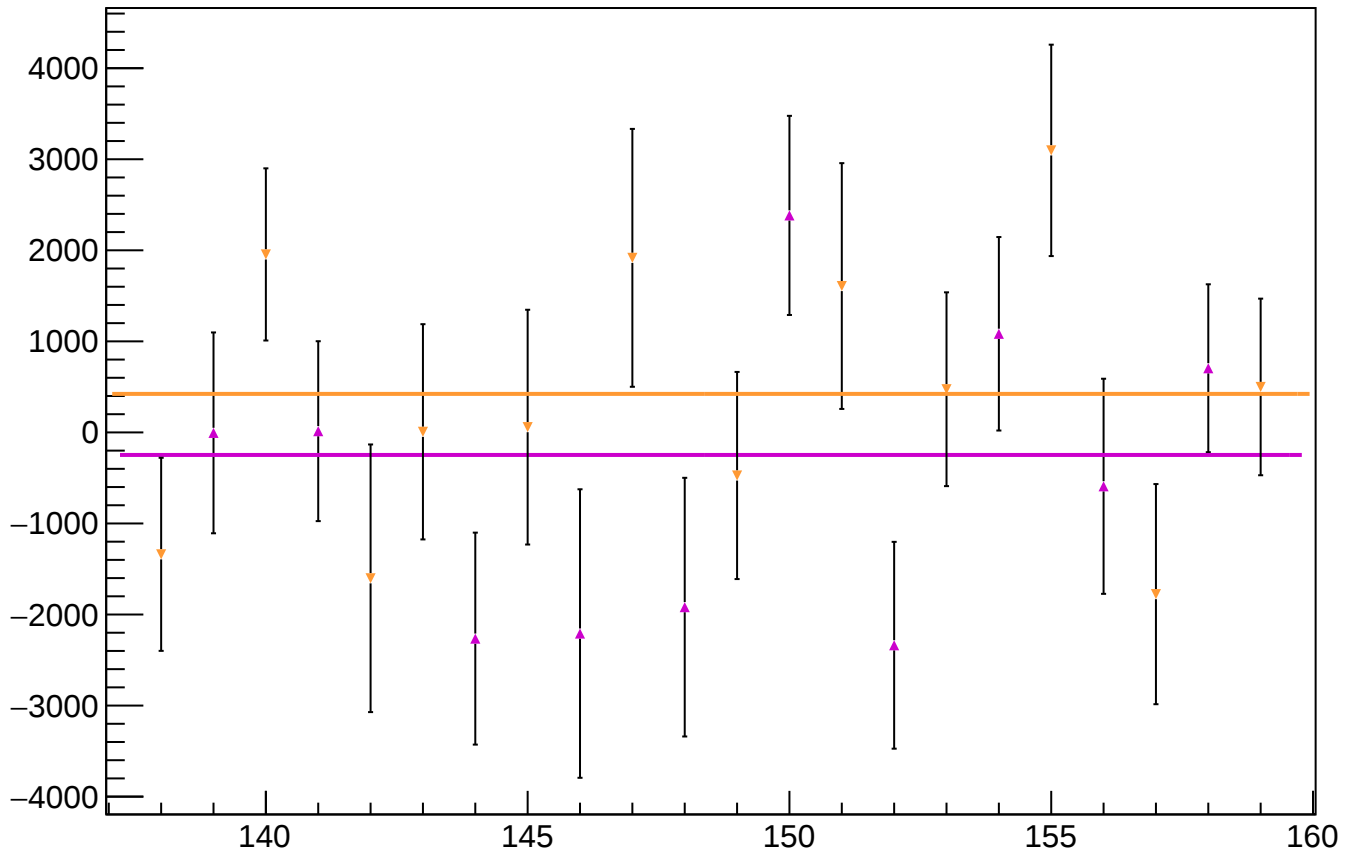
Right Out: 102.615 $\pm$ 0.028 χ^2 /NDF: 600357.6/19

Left In: 155.864 $\pm$ 0.039 χ^2 /NDF: 97073.6/9

124.838 $\pm$ 0.023 χ^2 /NDF: 1467045.2/28

120.842 $\pm$ 0.023 χ^2 /NDF: 1946815.6/29

asym_sam6_correction_mean vs Slug



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

Left Out: 422.996+/-333.665 χ^2/NDF : 18.6/11

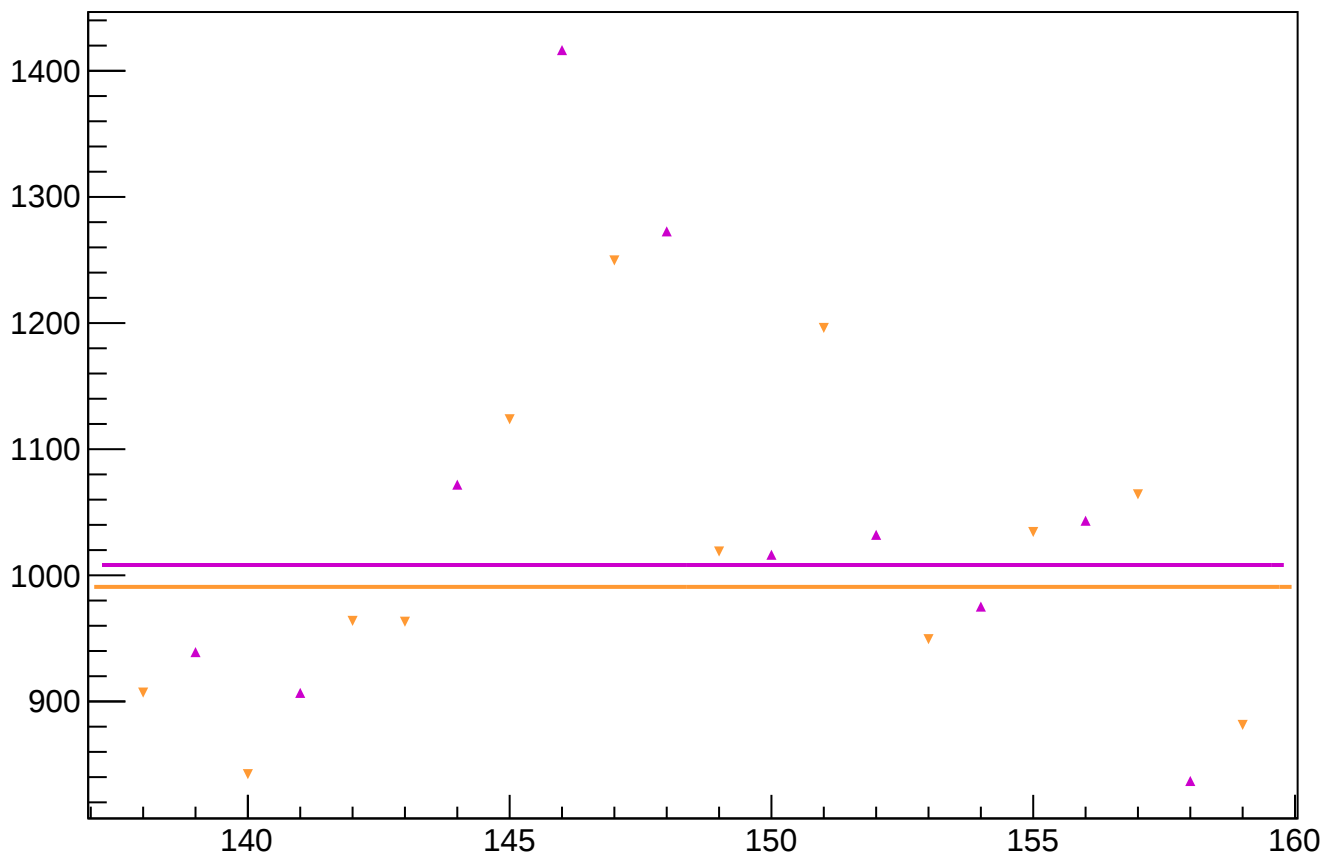
422.996+/-333.665 χ^2/NDF : 18.6/11

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

-247.515+/-356.481 χ^2/NDF : 17.9/9

Left In: -247.515+/-356.481 χ^2/NDF : 17.9/9

asym_sam6_correction_rms vs Slug



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

Left Out: 990.829+/-0.236 χ^2/NDF : 237859.7/11

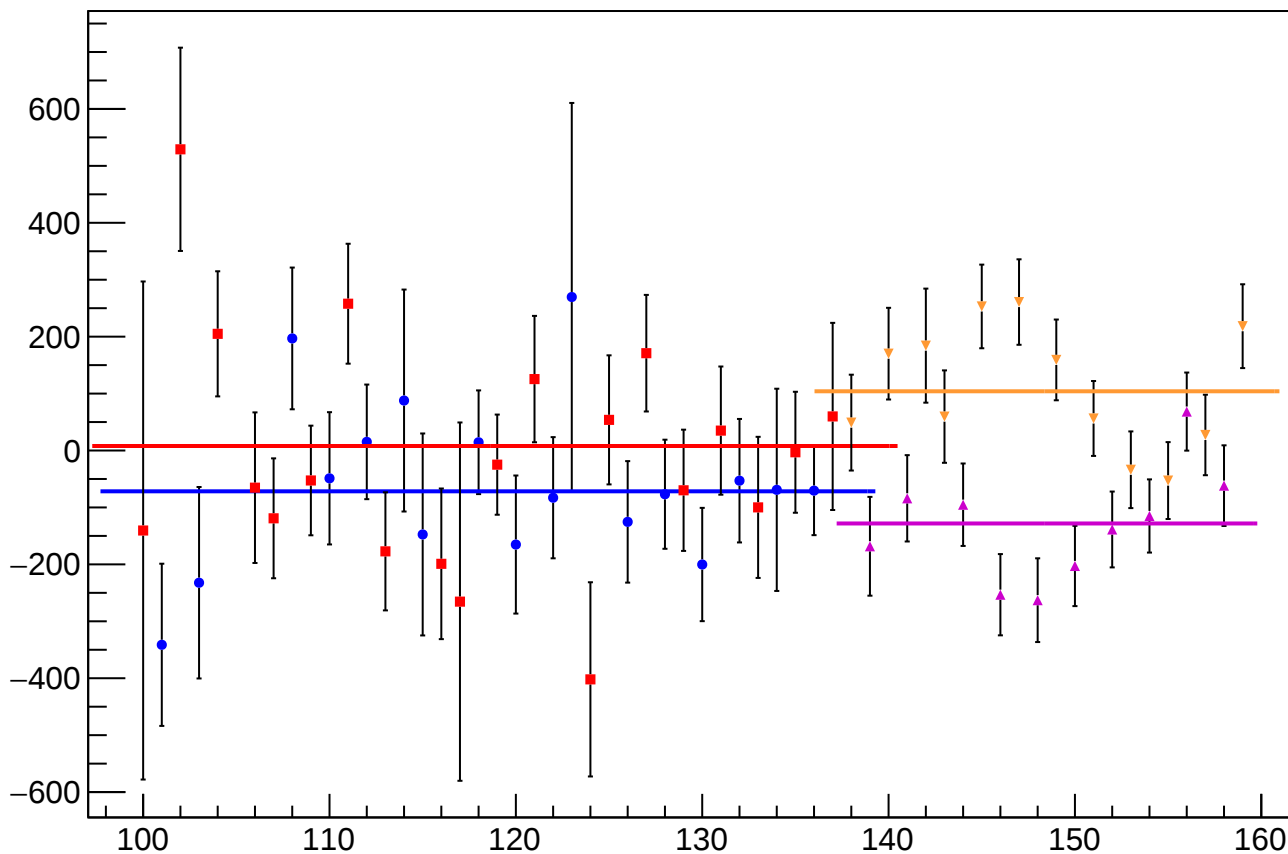
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1008.186+/-0.252 χ^2/NDF : 310743.0/9

990.829+/-0.236 χ^2/NDF : 237859.7/11

1008.186+/-0.252 χ^2/NDF : 310743.0/9

reg_asym_sam7_mean vs Slug



Right In: -71.669 $\pm$ 28.358 χ^2 /NDF: 15.2/16

Left Out: 104.042 $\pm$ 21.499 χ^2 /NDF: 24.8/11

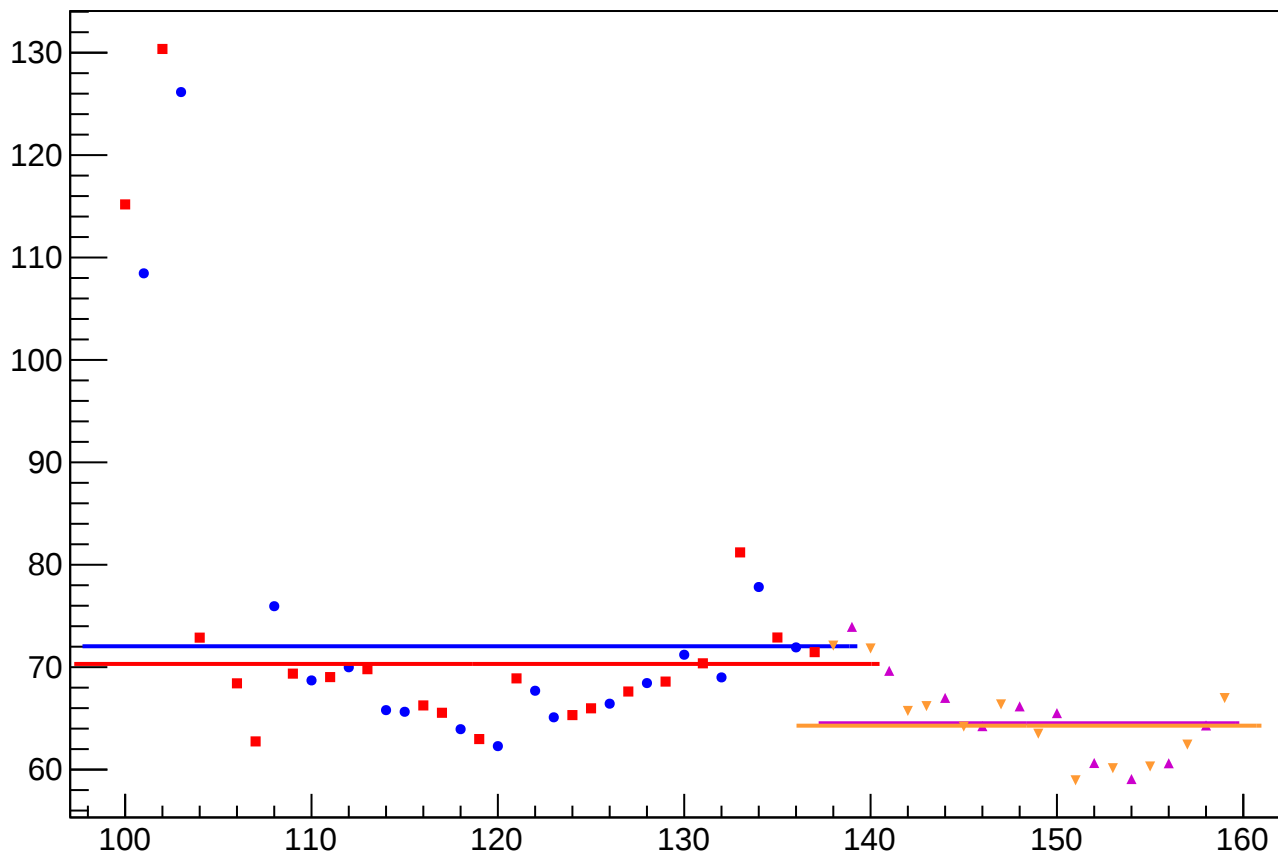
Right Out: 7.933 $\pm$ 26.719 χ^2 /NDF: 37.2/19

Left In: -128.151 $\pm$ 22.593 χ^2 /NDF: 17.5/9

39.911 $\pm$ 17.132 χ^2 /NDF: 64.4/28

-71.416 $\pm$ 17.252 χ^2 /NDF: 69.8/29

reg_asym_sam7_rms vs Slug



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 64.288 $\pm$ 0.015 χ^2 /NDF: 69850.1/11

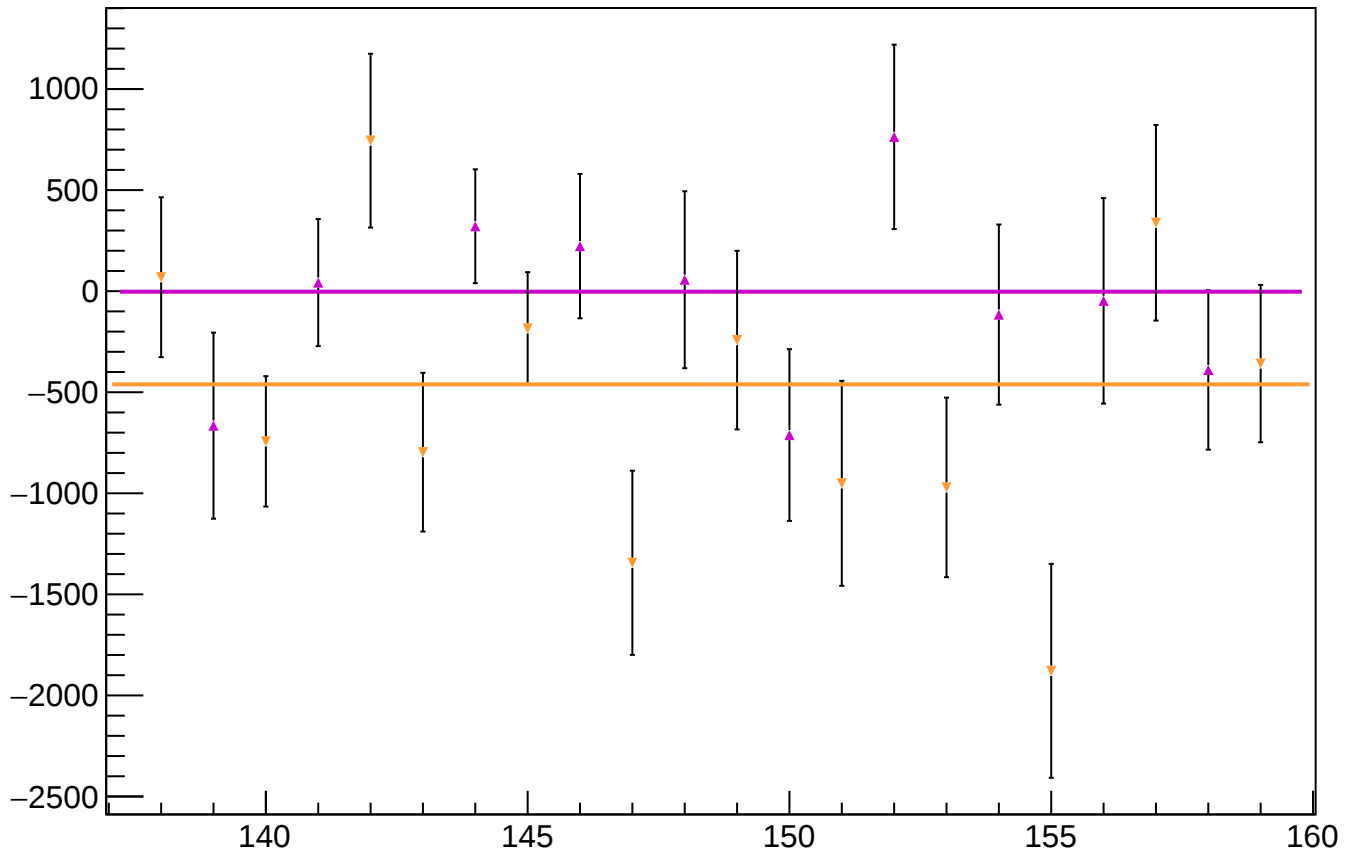
Right Out: 70.316 $\pm$ 0.019 χ^2 /NDF: 299468.0/19

Left In: 64.523 $\pm$ 0.016 χ^2 /NDF: 64062.8/9

67.118 $\pm$ 0.012 χ^2 /NDF: 556780.2/28

66.938 $\pm$ 0.012 χ^2 /NDF: 418363.2/29

asym_sam7_correction_mean vs Slug



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

Left Out: -460.979 $\pm$ 116.120 χ^2 /NDF:28.4/11

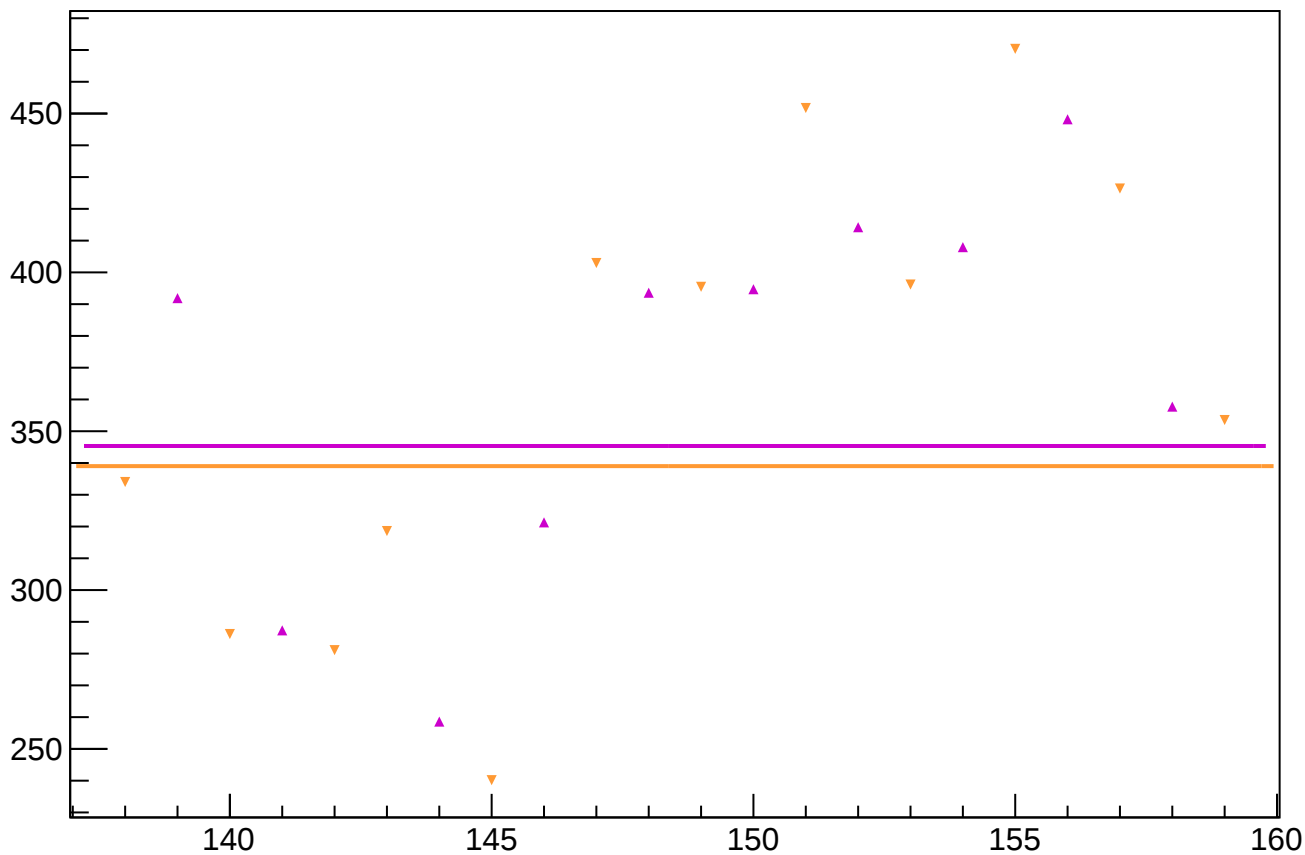
-460.979 $\pm$ 116.120 χ^2 /NDF: 28.4/11

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

-2.563 $\pm$ 122.920 χ^2 /NDF: 10.5/9

Left In: -2.563 $\pm$ 122.920 χ^2 /NDF:10.5/9

asym_sam7_correction_rms vs Slug



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

Left Out: 339.014+/-0.082 χ^2/NDF : 743508.6/11

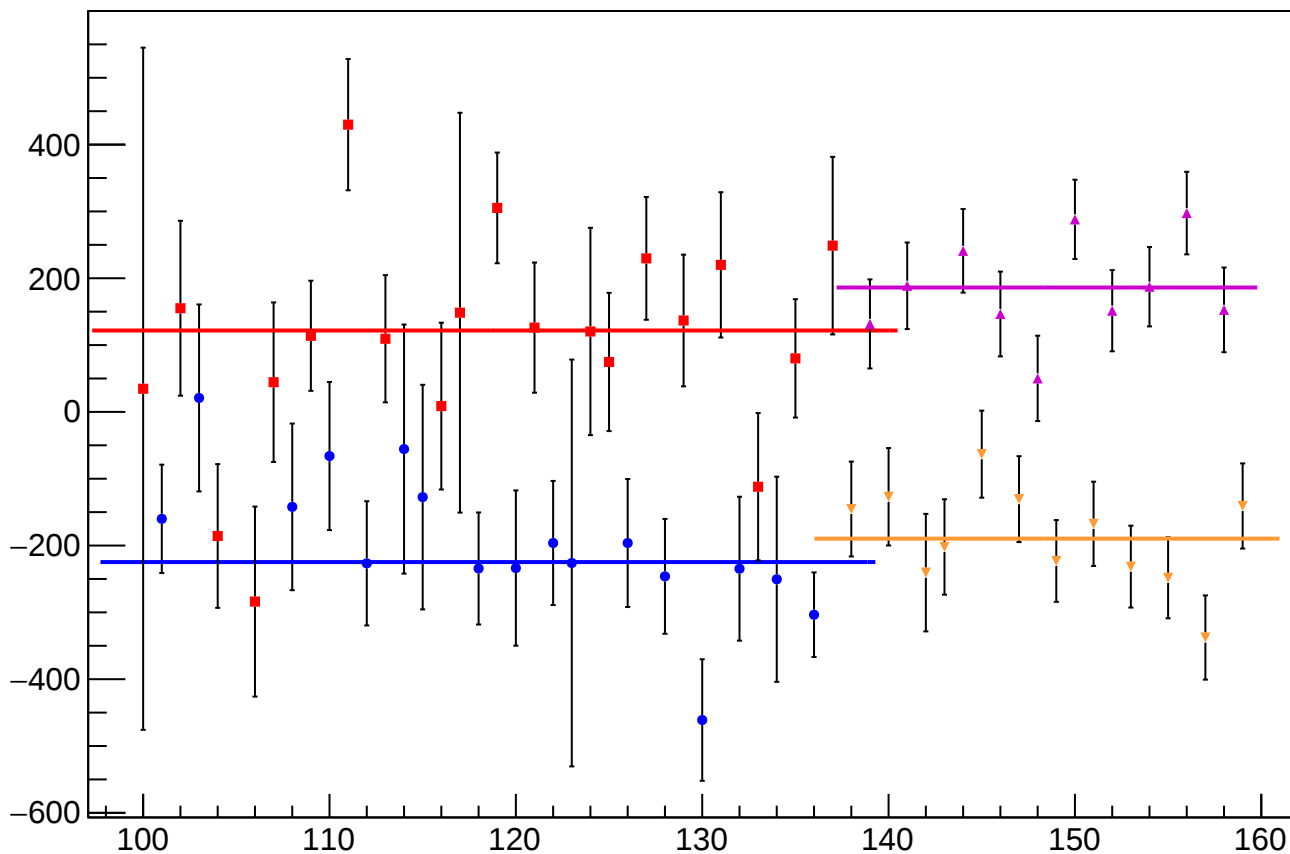
339.014+/-0.082 χ^2/NDF : 743508.6/11

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

345.352+/-0.087 χ^2/NDF : 507518.7/9

Left In: 345.352+/-0.087 χ^2/NDF : 507518.7/9

reg_asym_sam8_mean vs Slug



Right In: -224.727 ± 24.880 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -189.650 ± 19.085 $\chi^2/\text{NDF}: 14.0/11$

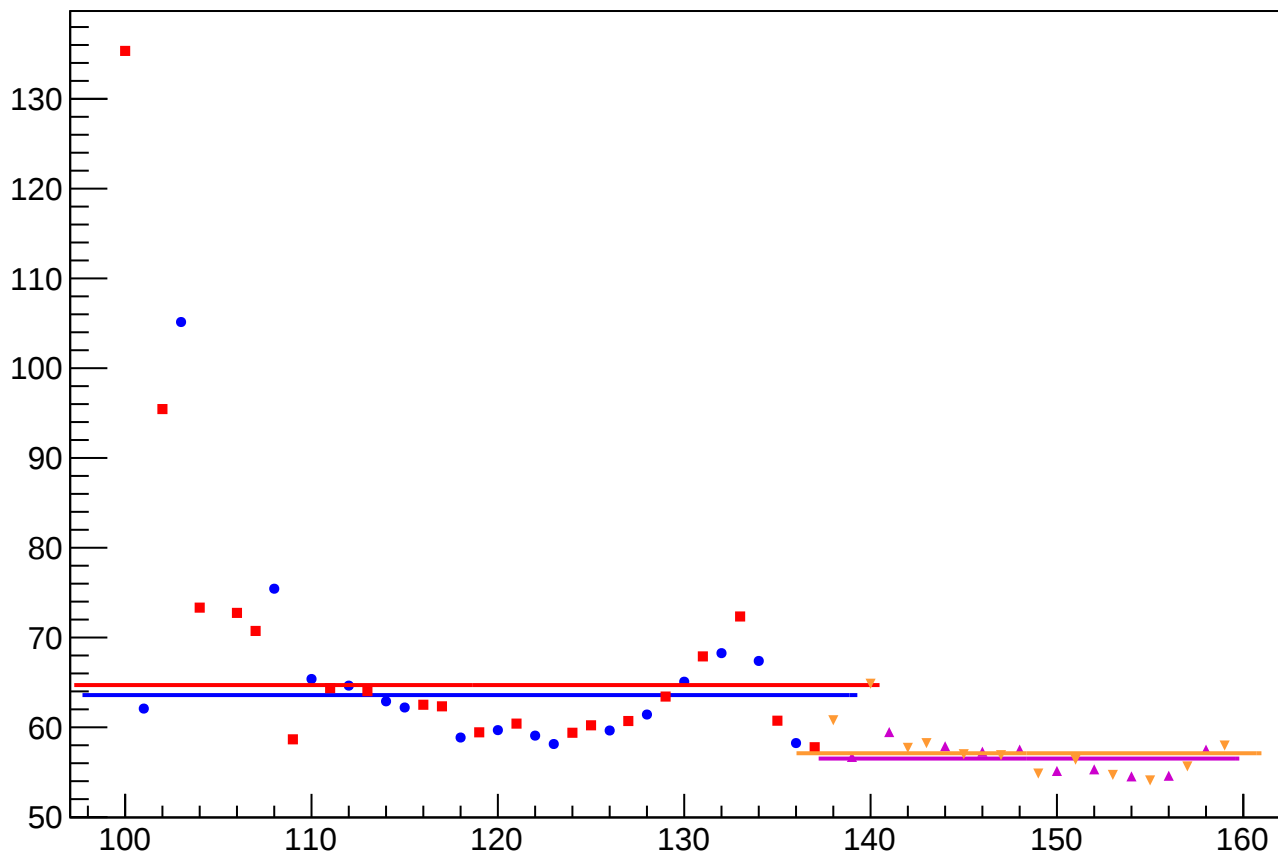
Right Out: 121.814 ± 24.516 $\chi^2/\text{NDF}: 40.5/19$

Left In: 186.135 ± 19.754 $\chi^2/\text{NDF}: 13.2/9$

-202.644 ± 15.143 $\chi^2/\text{NDF}: 31.3/28$

160.815 ± 15.382 $\chi^2/\text{NDF}: 57.8/29$

reg_asym_sam8_rms vs Slug



Right In: 63.589+/-0.018 χ^2/NDF : 234601.0/16

Left Out: 57.110+/-0.013 χ^2/NDF : 41068.8/11

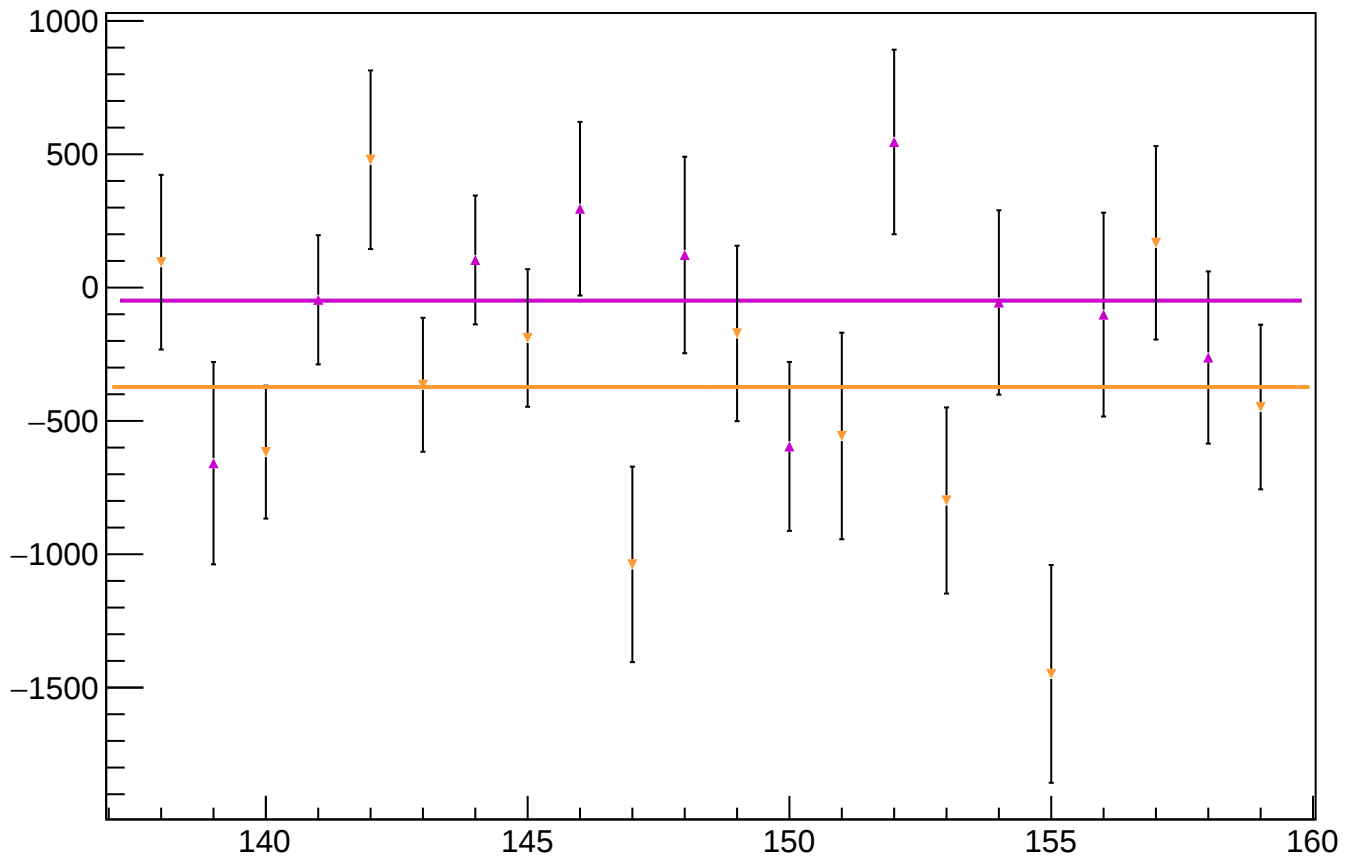
Right Out: 64.704+/-0.017 χ^2/NDF : 227632.6/19

Left In: 56.518+/-0.014 χ^2/NDF : 12419.8/9

59.510+/-0.011 χ^2/NDF : 361046.3/28

59.740+/-0.011 χ^2/NDF : 375270.8/29

asym_sam8_correction_mean vs Slug



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

Left Out: -372.922 $\pm$ 90.980 χ^2 /NDF:24.6/11

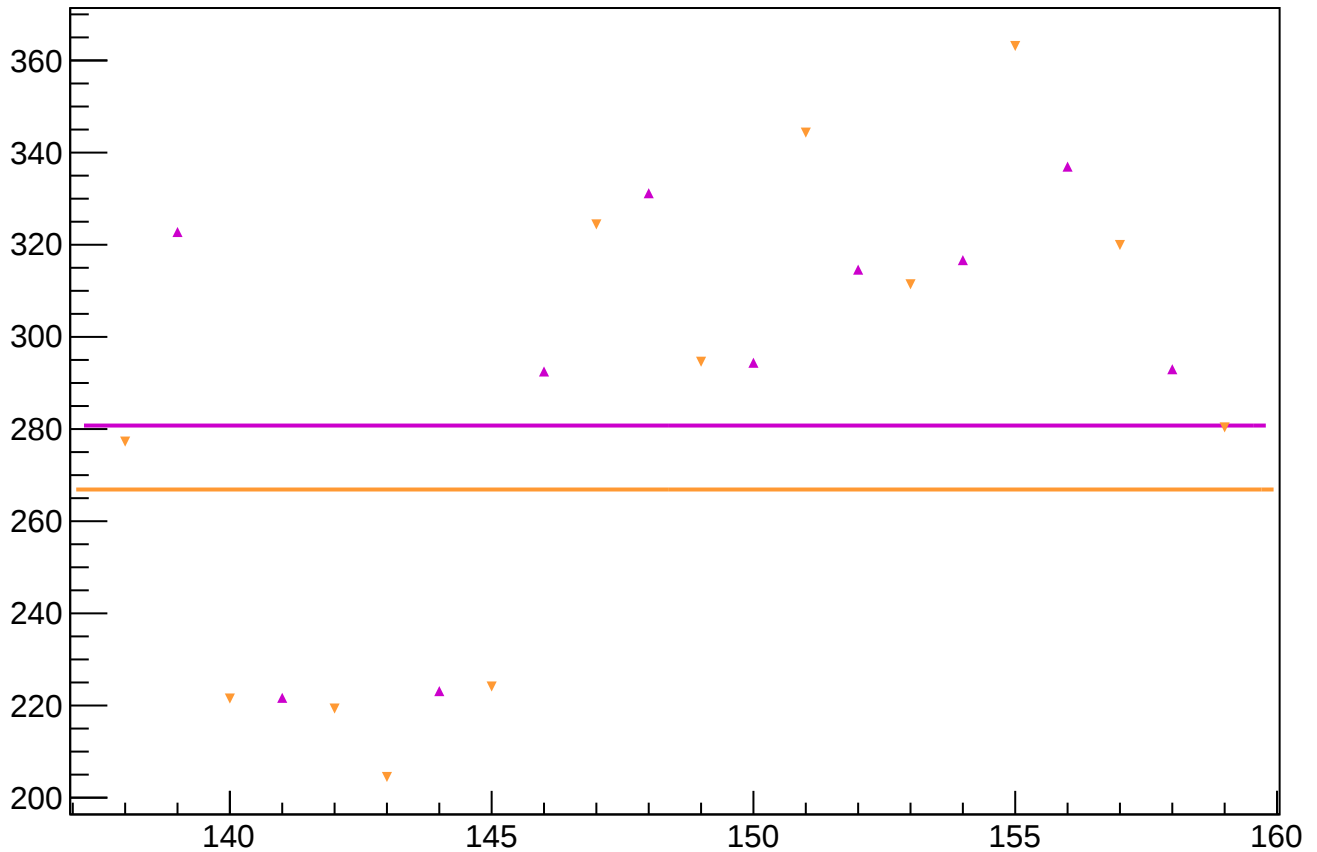
-372.922 $\pm$ 90.980 χ^2 /NDF: 24.6/11

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

-48.898 $\pm$ 99.488 χ^2 /NDF: 10.7/9

Left In: -48.898 $\pm$ 99.488 χ^2 /NDF:10.7/9

asym_sam8_correction_rms vs Slug



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

Left Out: 266.881+/-0.064 χ^2/NDF : 620477.0/11

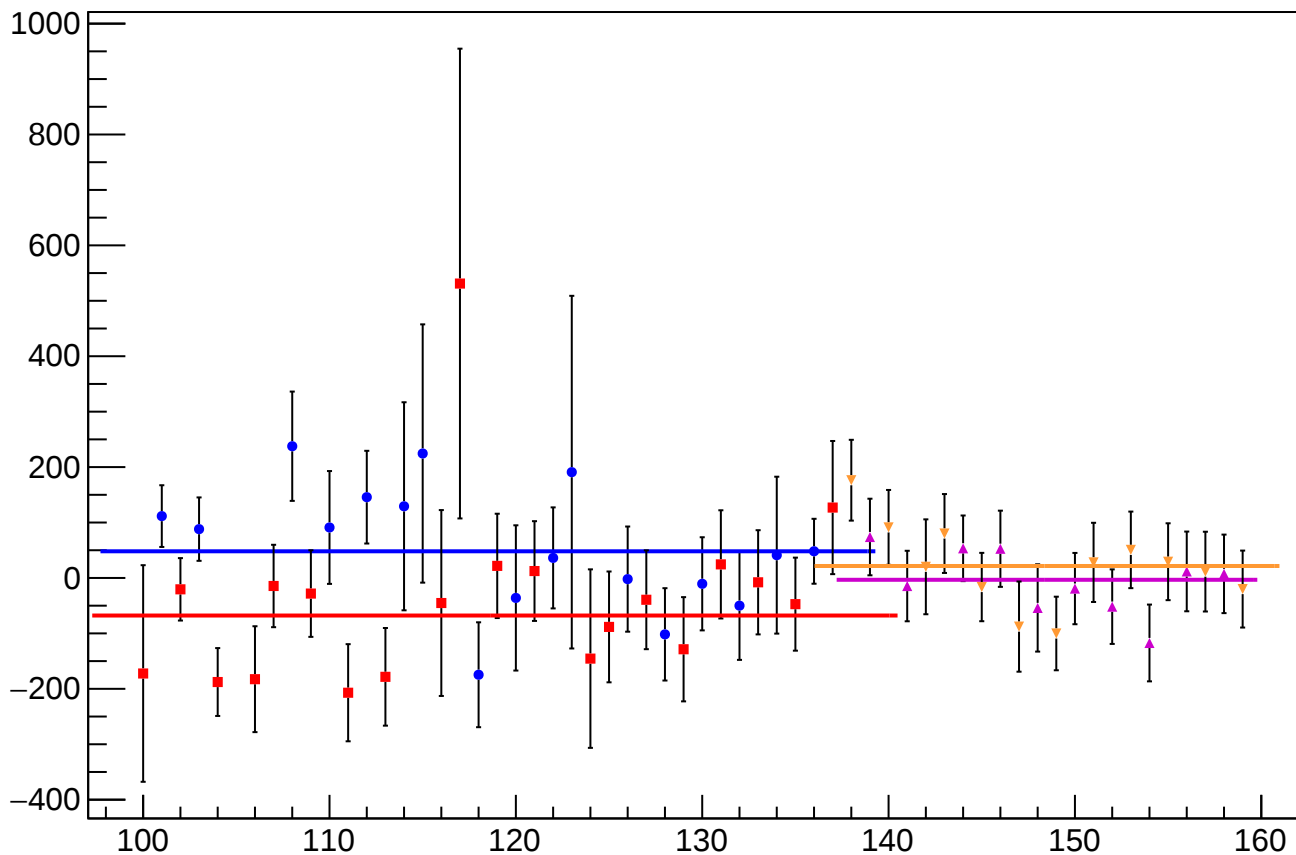
266.881+/-0.064 χ^2/NDF : 620477.0/11

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

280.762+/-0.070 χ^2/NDF : 387842.9/9

Left In: 280.762+/-0.070 χ^2/NDF : 387842.9/9

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109 ± 21.510 χ^2/NDF : 19.0/16

Left Out: 21.584 ± 20.424 χ^2/NDF : 12.4/11

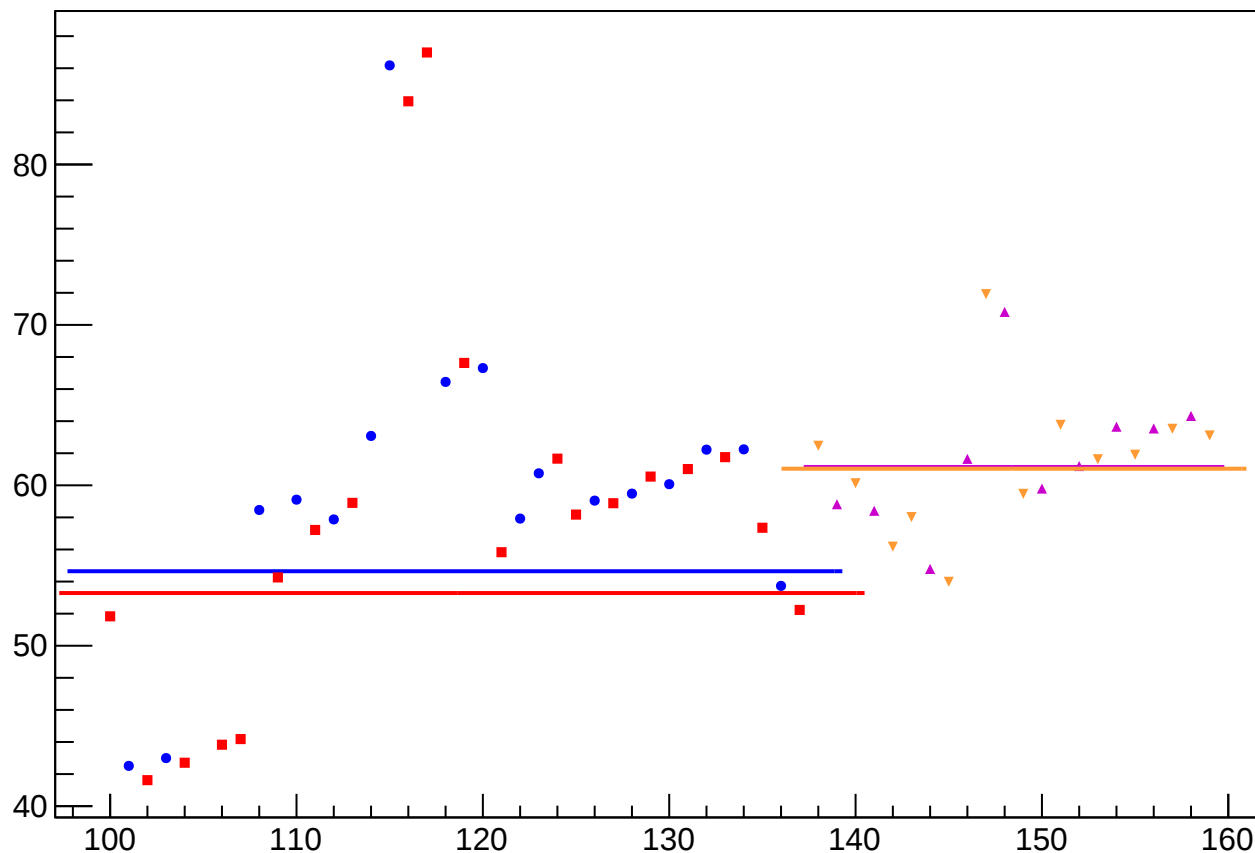
Right Out: -67.767 ± 20.383 χ^2/NDF : 19.7/19

Left In: -3.303 ± 21.421 χ^2/NDF : 6.6/9

34.160 ± 14.811 χ^2/NDF : 32.2/28

-37.134 ± 14.766 χ^2/NDF : 31.0/29

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645 $\pm$ 0.015 χ^2 /NDF: 319300.2/16

Left Out: 61.035 $\pm$ 0.014 χ^2 /NDF: 81816.5/11

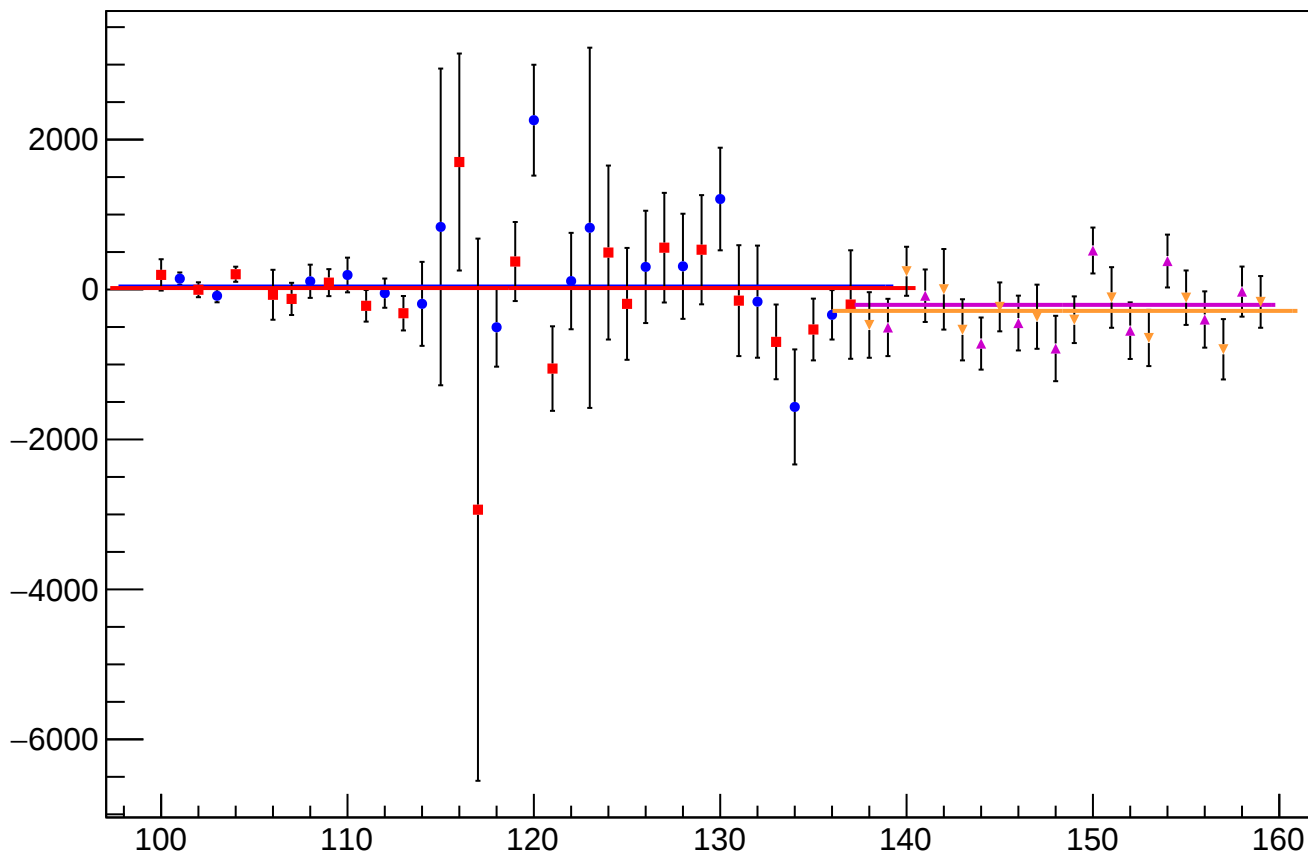
Right Out: 53.285 $\pm$ 0.014 χ^2 /NDF: 398973.0/19

Left In: 61.144 $\pm$ 0.015 χ^2 /NDF: 68999.2/9

58.005 $\pm$ 0.010 χ^2 /NDF: 493944.0/28

57.019 $\pm$ 0.010 χ^2 /NDF: 609241.9/29

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -284.928+/-108.699 χ^2/NDF : 6.8/11

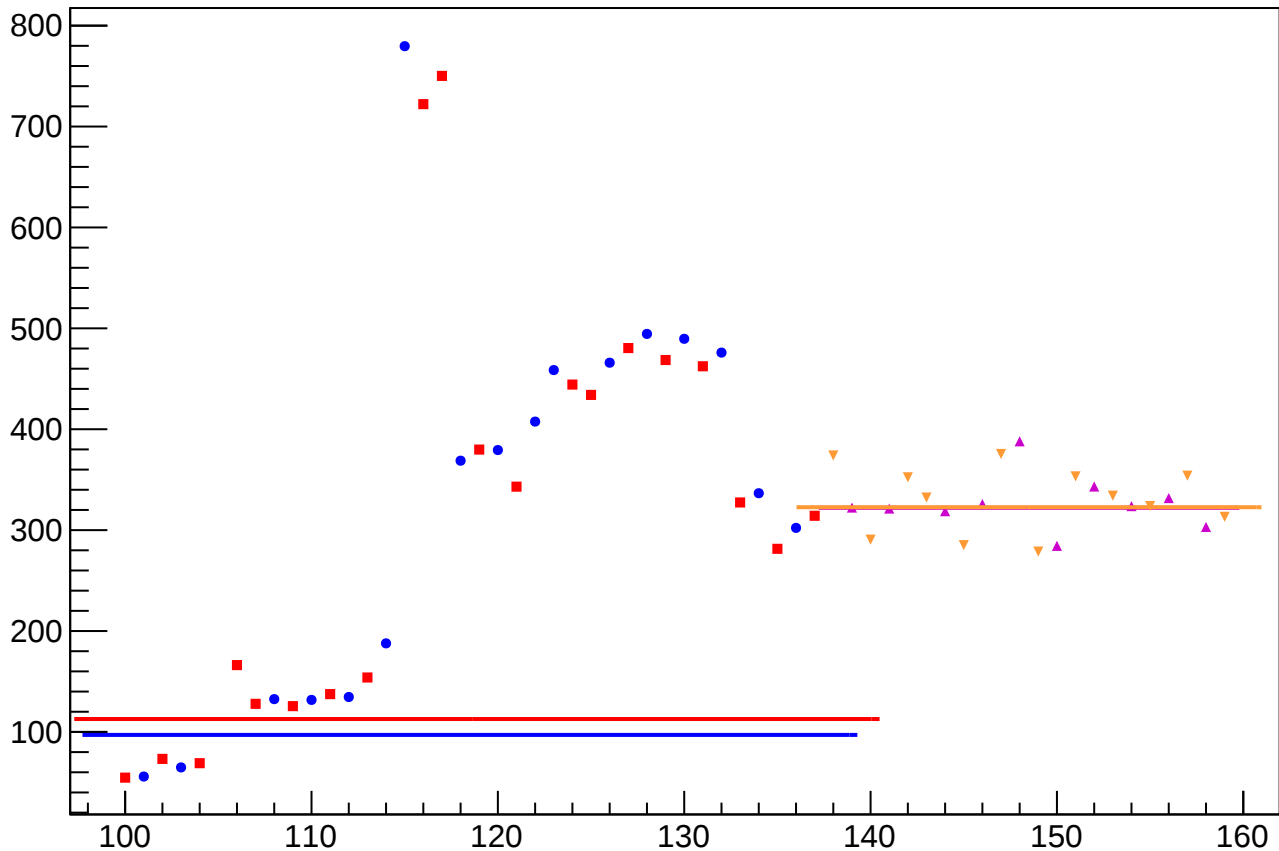
Right Out: 19.590+/-53.268 χ^2/NDF : 19.6/19

Left In: -204.512+/-113.380 χ^2/NDF : 14.9/9

-19.478+/-46.572 χ^2/NDF : 37.9/28

-20.932+/-48.212 χ^2/NDF : 37.7/29

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2 /NDF: 5819709.2/16

Left Out: 322.706+/-0.077 χ^2 /NDF: 177784.8/11

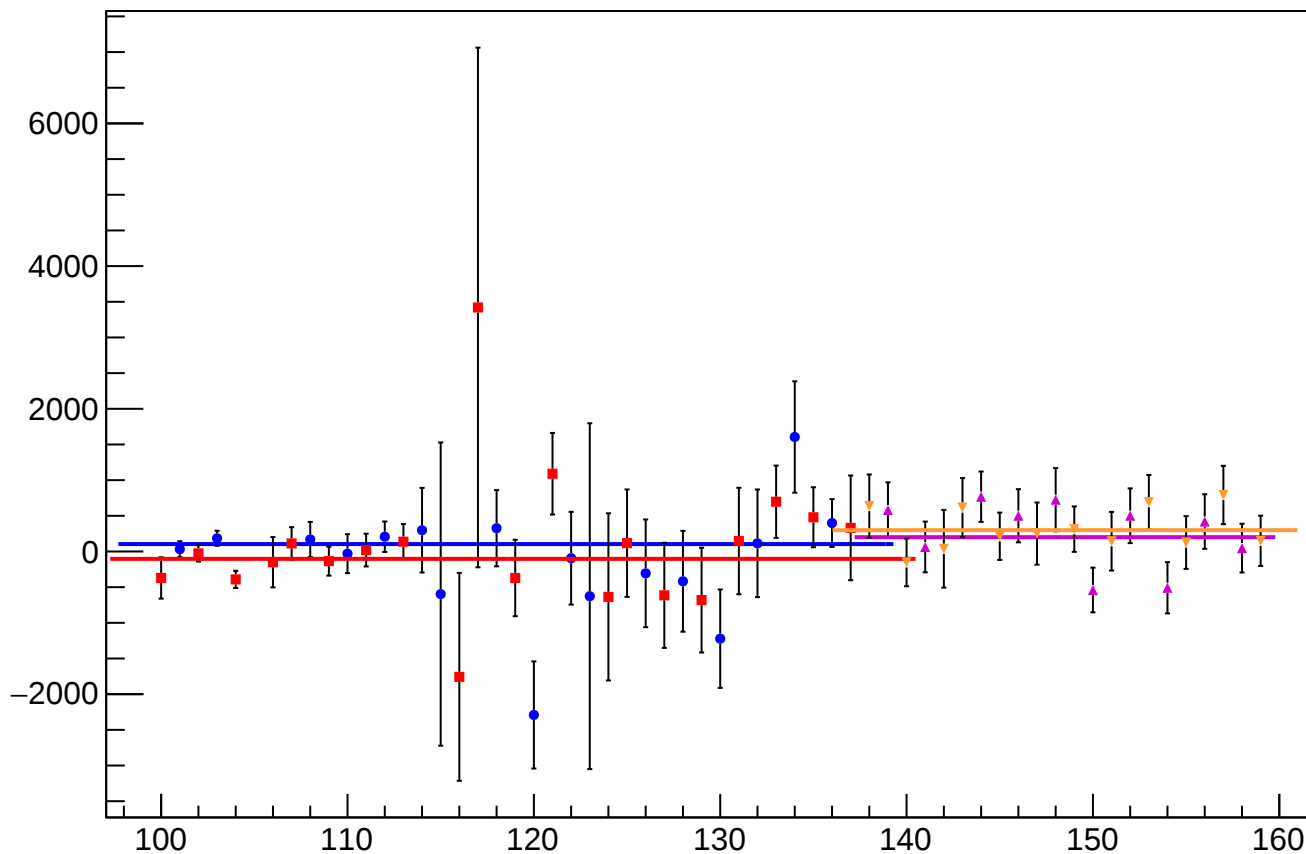
138.464+/-0.033 χ^2 /NDF: 13035289.8/28

Right Out: 112.792+/-0.038 χ^2 /NDF: 5098459.2/19

150.644+/-0.034 χ^2 /NDF: 10773996.7/29

Left In: 322.129+/-0.080 χ^2 /NDF: 90447.4/9

asym_sam_15_avg_mean vs Slug



Right In: 104.001 ± 63.156 χ^2/NDF : 21.3/16

Left Out: 298.939 ± 110.692 χ^2/NDF : 6.4/11

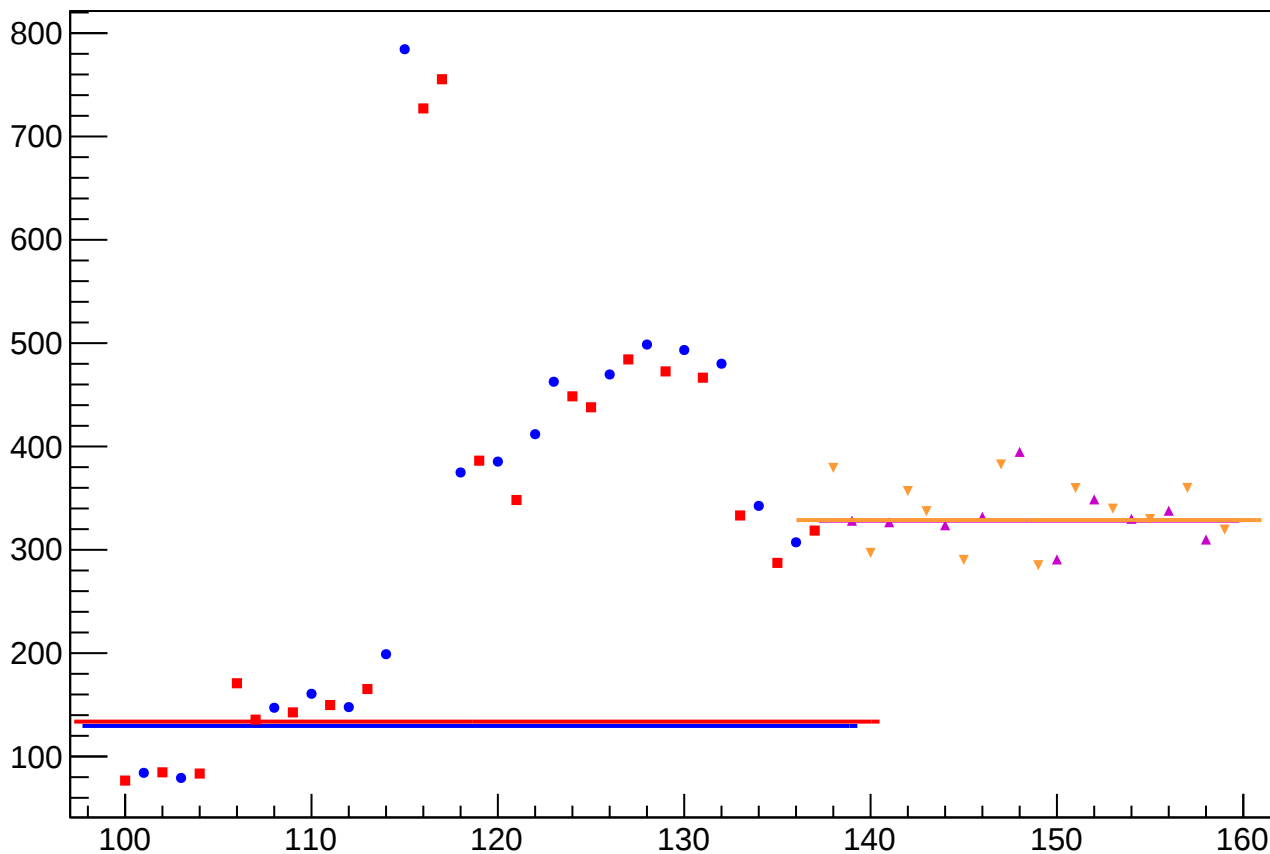
Right Out: -103.156 ± 60.849 χ^2/NDF : 22.3/19

Left In: 200.628 ± 115.476 χ^2/NDF : 16.4/9

151.876 ± 54.856 χ^2/NDF : 30.0/28

-37.138 ± 53.832 χ^2/NDF : 44.1/29

asym_sam_15_avg_rms vs Slug



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 328.763+/-0.078 χ^2/NDF : 171313.9/11

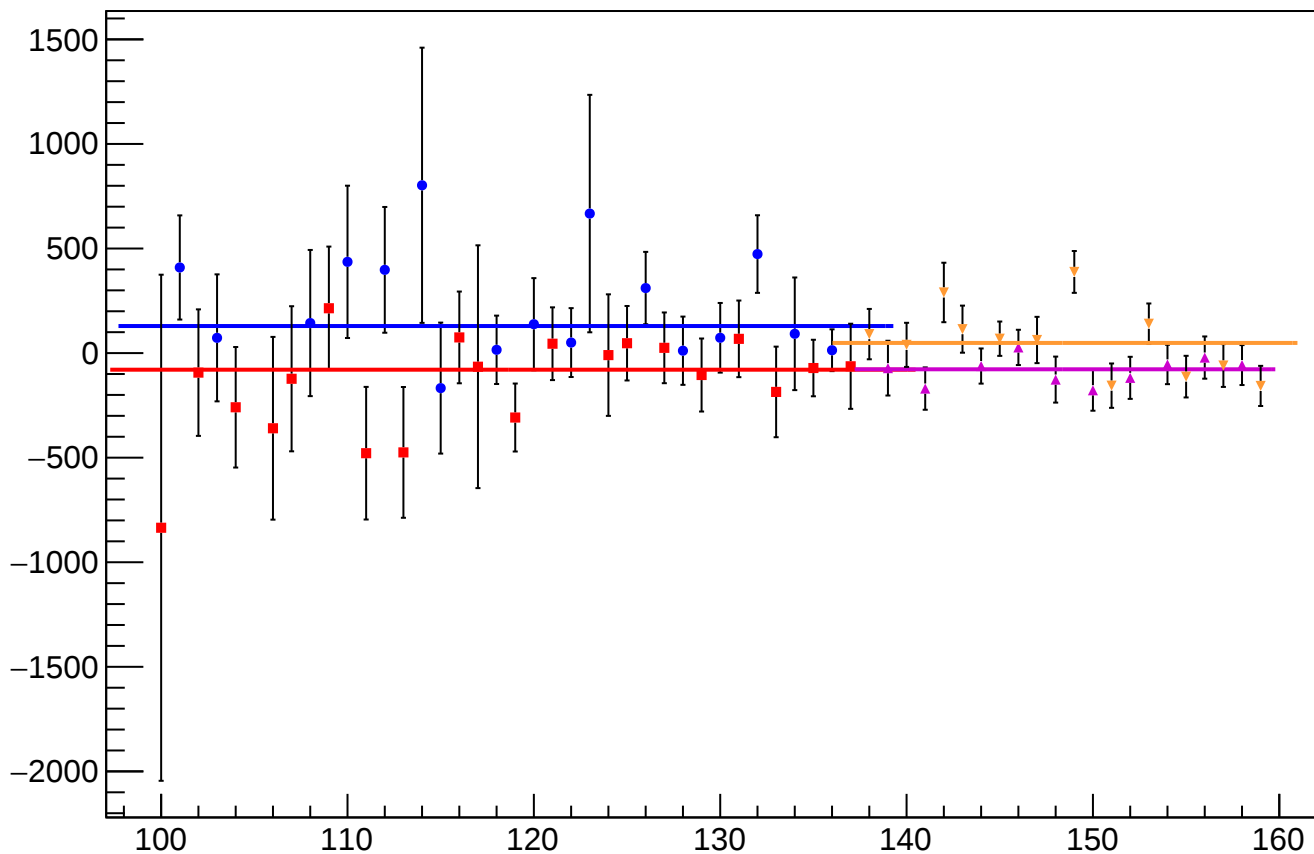
178.476+/-0.039 χ^2/NDF : 9830650.9/28

Right Out: 133.766+/-0.043 χ^2/NDF : 4424544.5/19

176.020+/-0.038 χ^2/NDF : 8949472.3/29

Left In: 328.199+/-0.082 χ^2/NDF : 87129.4/9

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 48.601 $\pm$ 29.911 χ^2 /NDF: 27.9/11

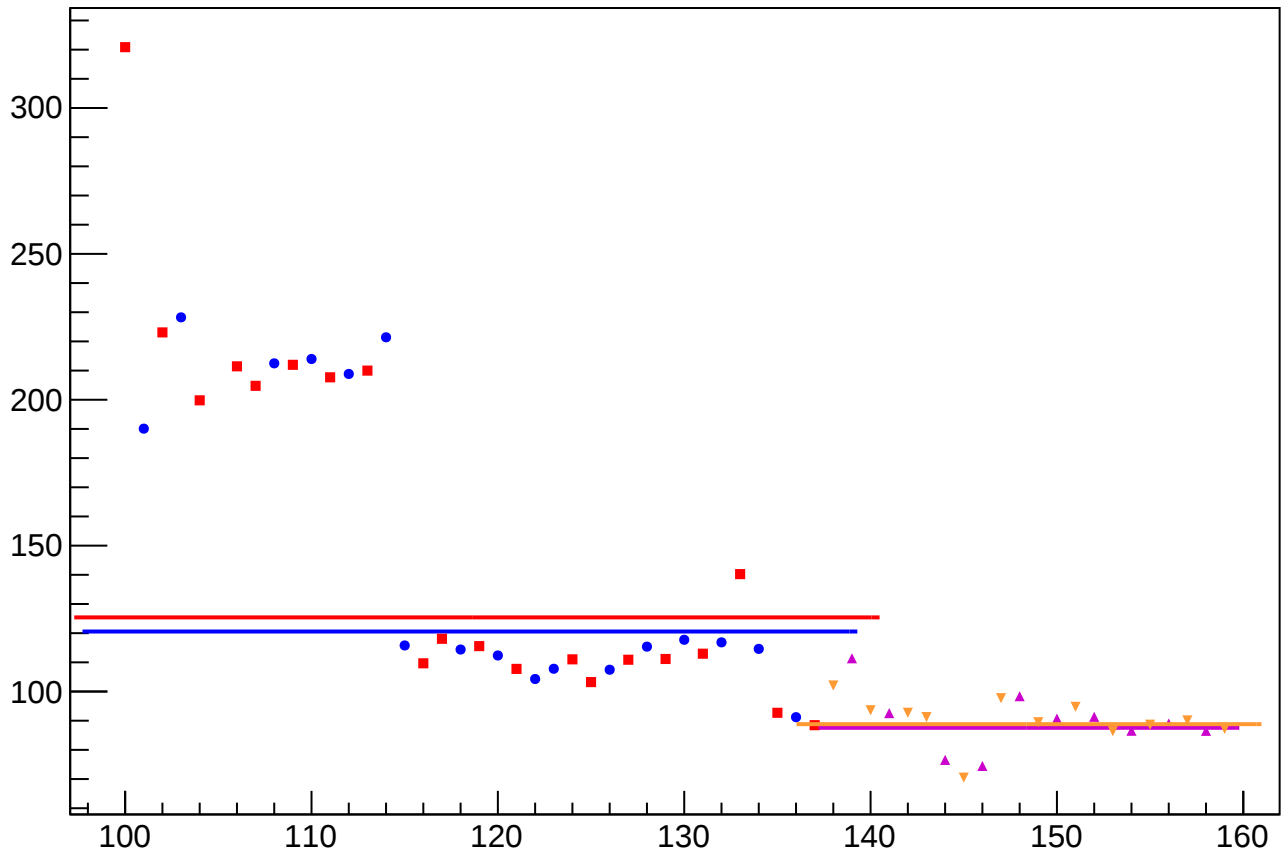
Right Out: -79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

Left In: -77.465 $\pm$ 30.942 χ^2 /NDF: 4.2/9

70.456 $\pm$ 25.548 χ^2 /NDF: 42.8/28

-77.999 $\pm$ 26.268 χ^2 /NDF: 14.5/29

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 88.812 $\pm$ 0.021 χ^2 /NDF:151930.5/11

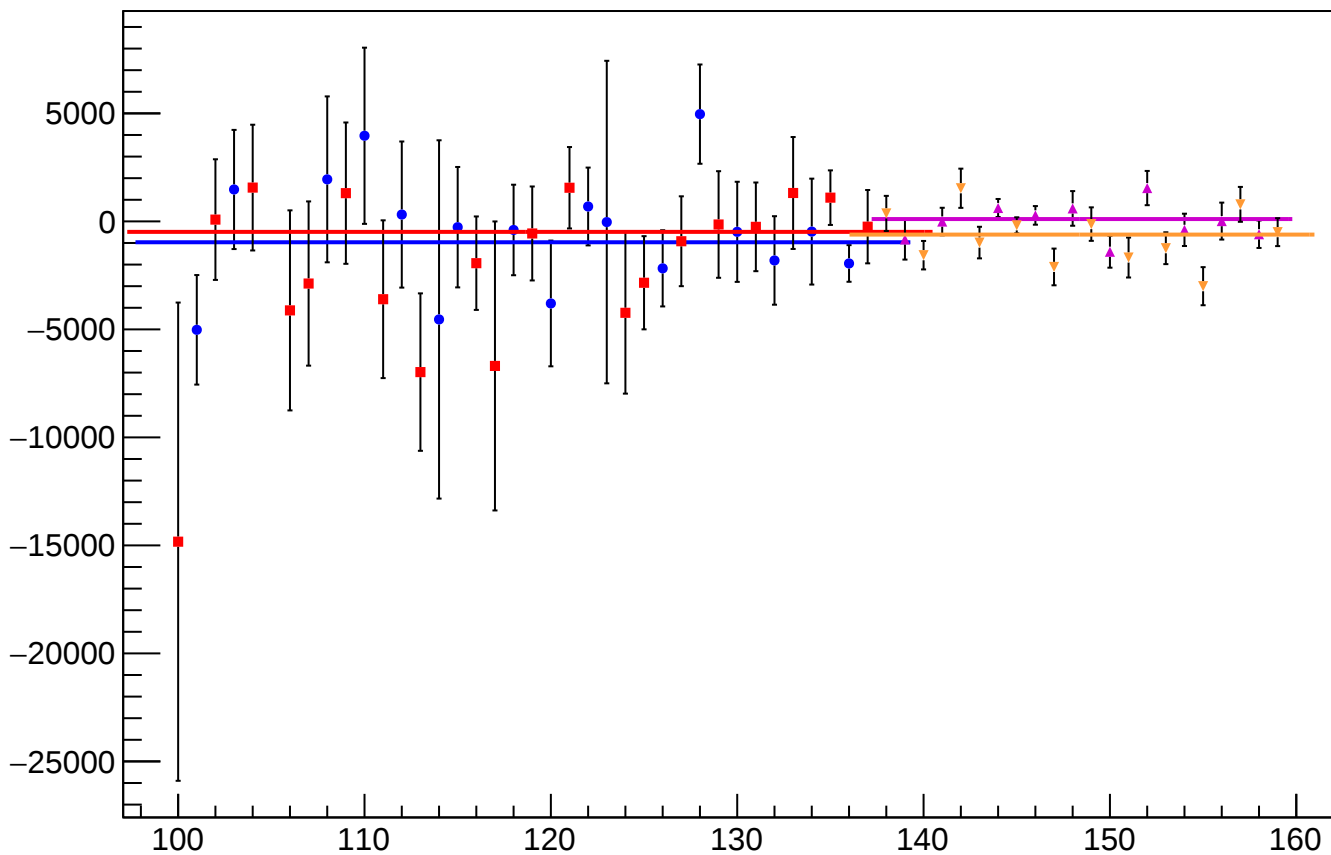
97.401 $\pm$ 0.018 χ^2 /NDF: 1873652.5/28

Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

98.136 $\pm$ 0.019 χ^2 /NDF: 2348060.7/29

Left In: 87.568 $\pm$ 0.022 χ^2 /NDF:178696.1/9

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -611.562+/-198.275 χ^2/NDF : 26.7/11

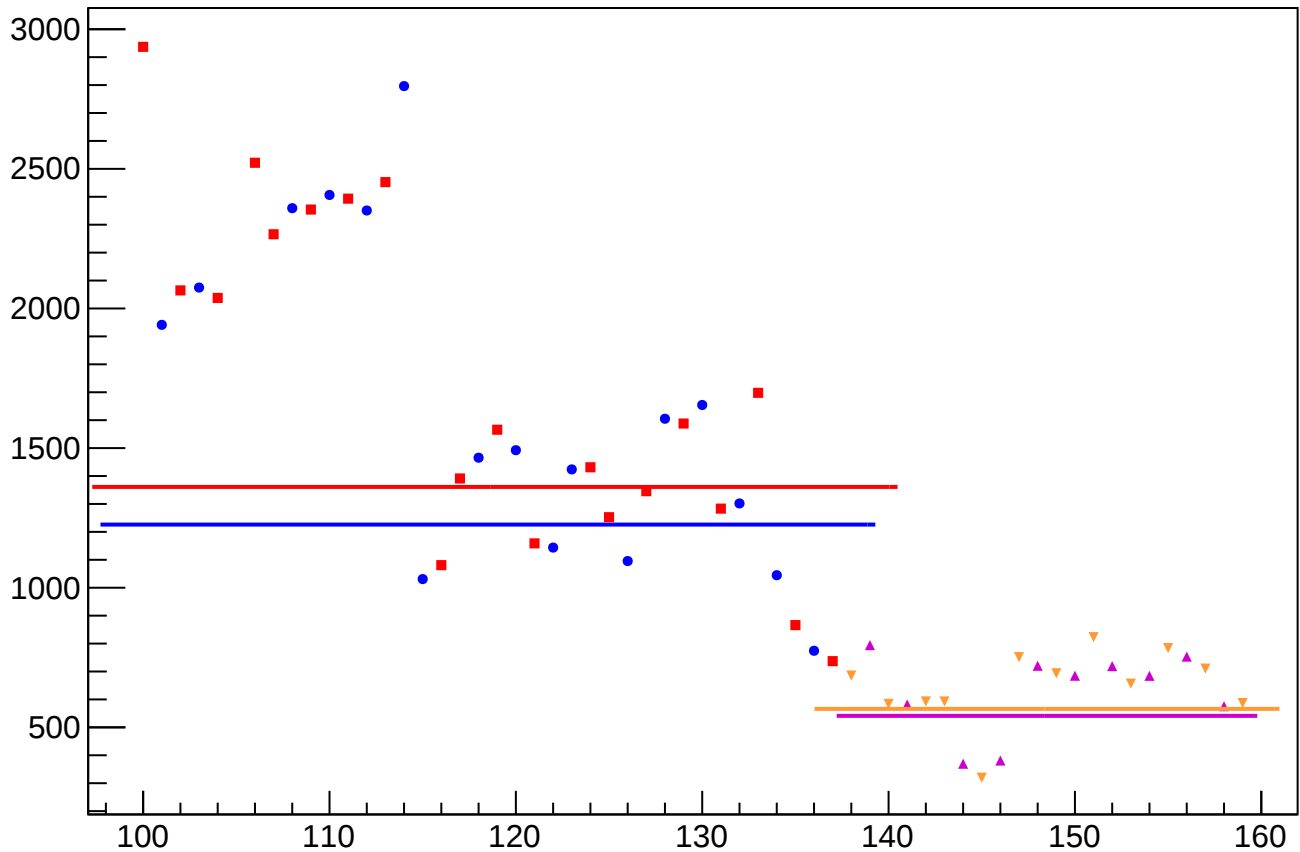
Right Out: -485.654+/-543.567 χ^2/NDF : 14.3/19

Left In: 107.779+/-198.548 χ^2/NDF : 12.3/9

-657.807+/-184.911 χ^2/NDF : 43.4/28

37.922+/-186.496 χ^2/NDF : 27.6/29

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 566.149+/-0.140 χ^2/NDF : 1453423.6/11

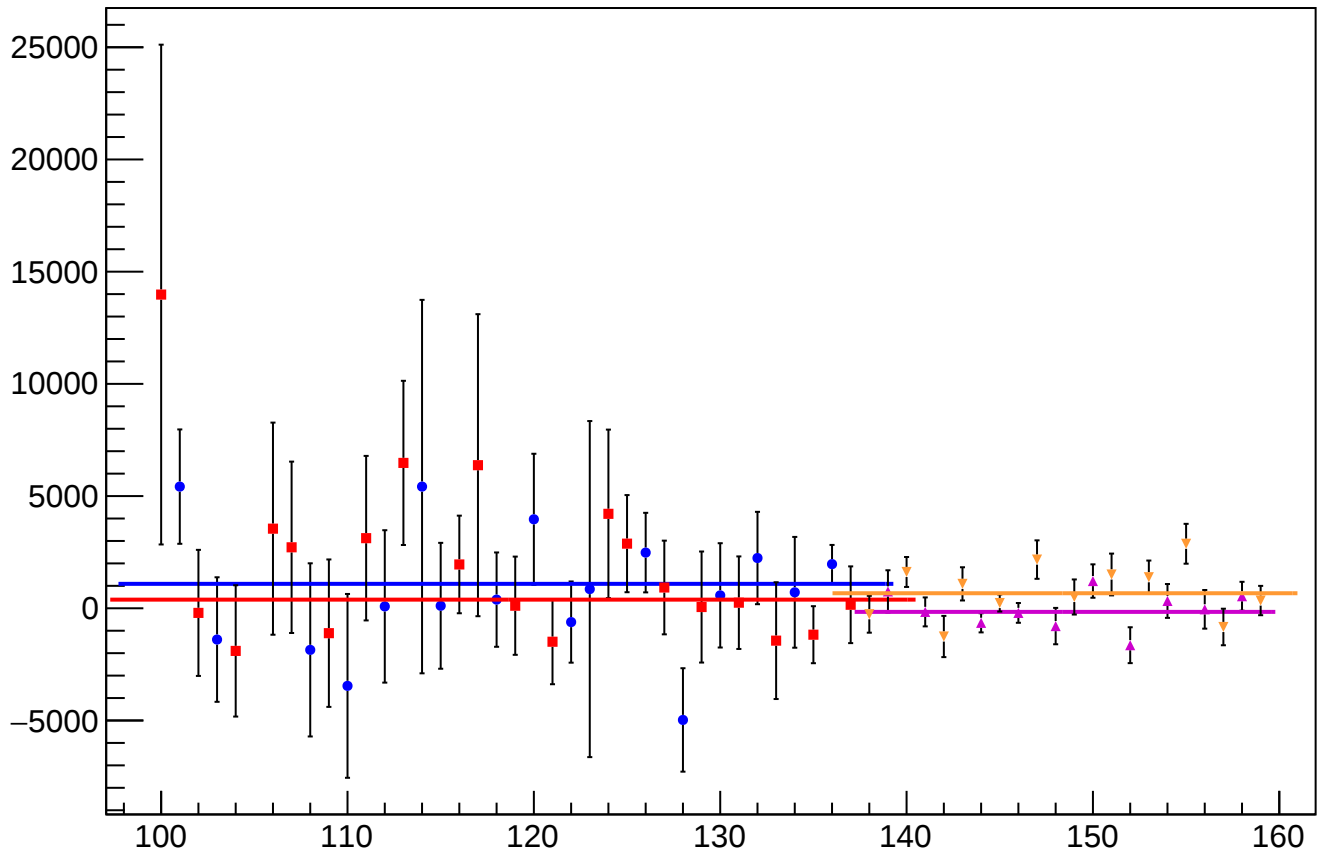
652.118+/-0.131 χ^2/NDF : 6096253.3/28

Right Out: 1360.972+/-0.384 χ^2/NDF : 1749116.2/19

637.731+/-0.132 χ^2/NDF : 7010993.4/29

Left In: 541.235+/-0.140 χ^2/NDF : 1248774.3/9

asym_sam_26_avg_mean vs Slug



Right In: 1089.066 ± 515.272 χ^2/NDF : 16.9/16

Left Out: 670.419 ± 201.160 χ^2/NDF : 24.0/11

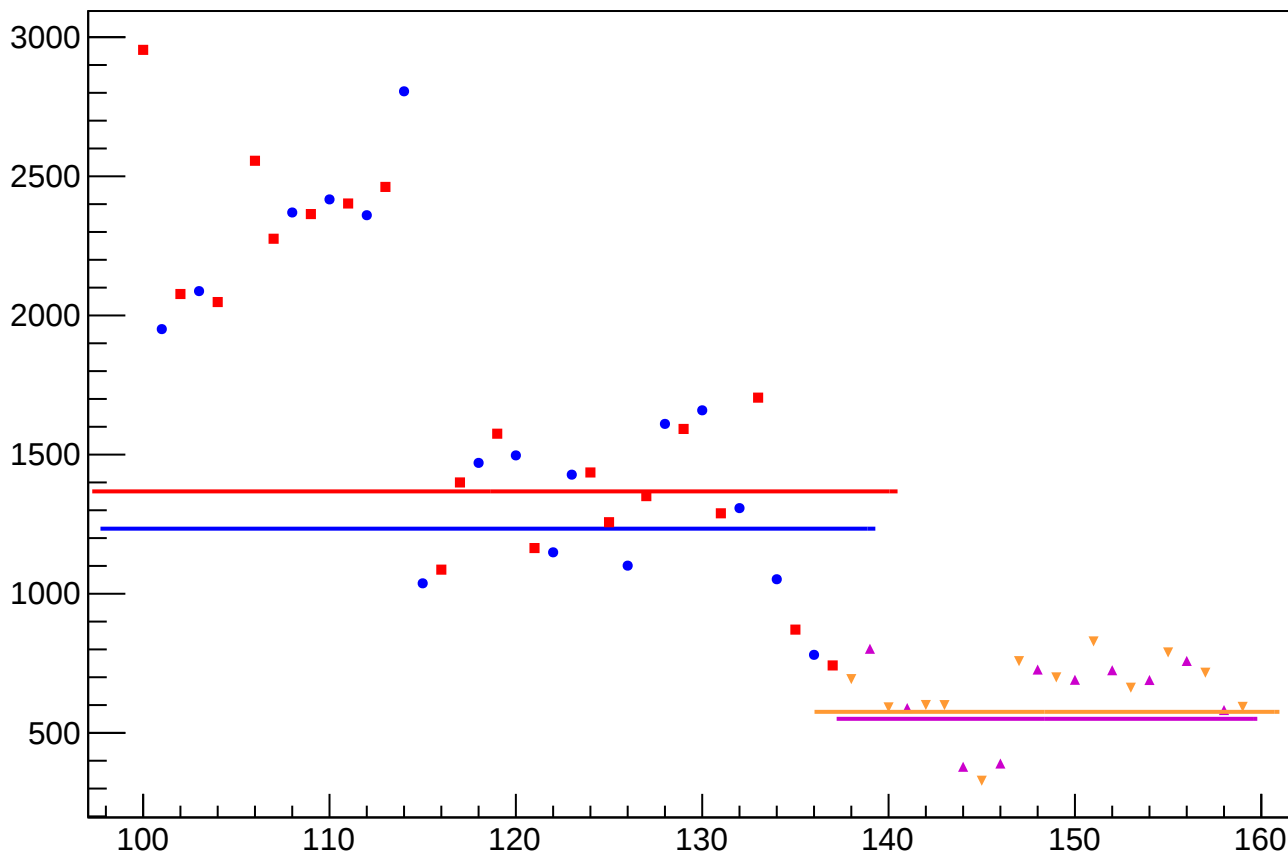
725.786 ± 187.386 χ^2/NDF : 41.5/28

Right Out: 385.391 ± 546.382 χ^2/NDF : 13.3/19

-95.039 ± 189.118 χ^2/NDF : 25.5/29

Left In: -160.431 ± 201.578 χ^2/NDF : 11.3/9

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 575.676+/-0.142 χ^2/NDF :1382578.8/11

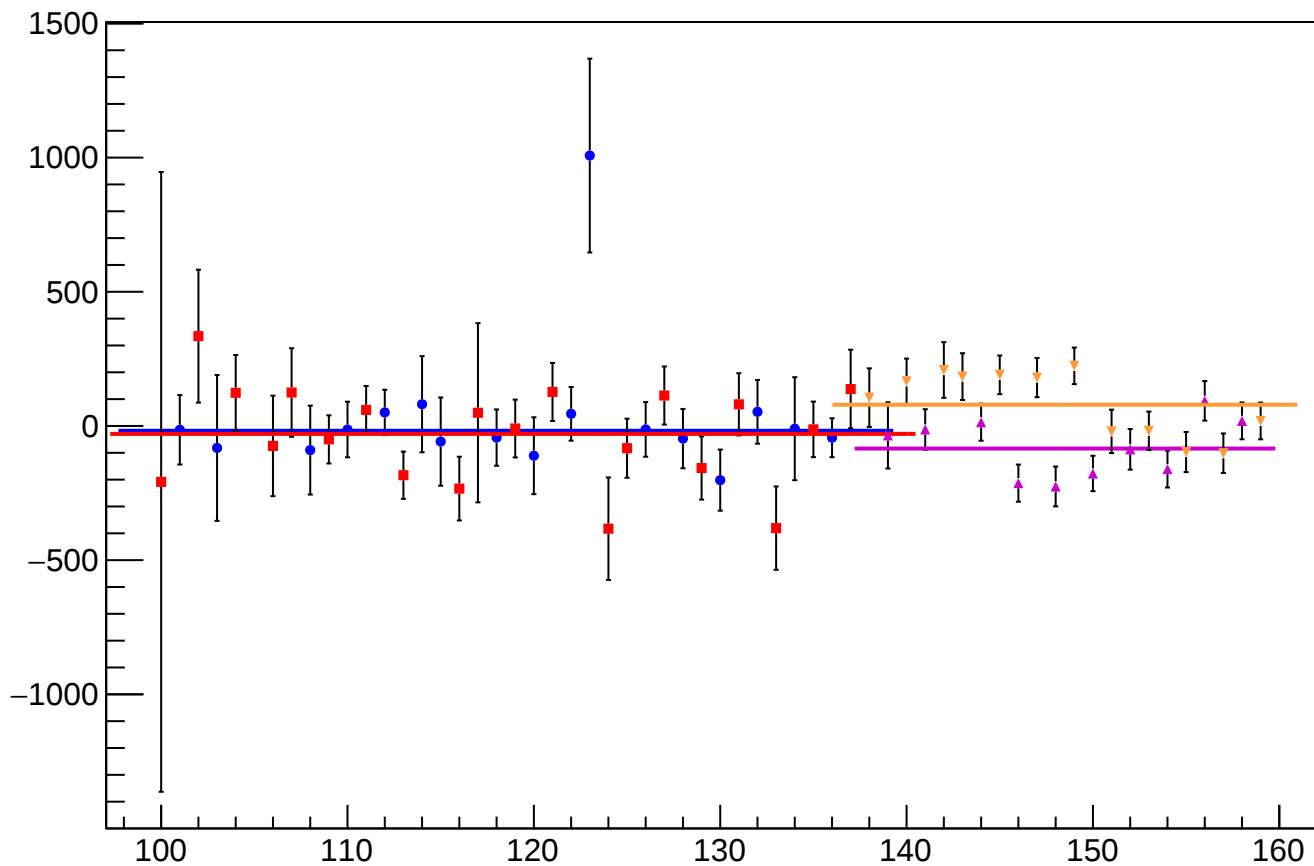
Right Out: 1367.823+/-0.386 χ^2/NDF : 1744640.3/19

Left In: 550.585+/-0.143 χ^2/NDF :1194497.5/9

662.722+/-0.133 χ^2/NDF : 5958340.2/28

648.494+/-0.134 χ^2/NDF : 6877480.6/29

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 $\pm$ 28.848 χ^2 /NDF: 13.4/16

Left Out: 79.166 $\pm$ 22.545 χ^2 /NDF:28.7/11

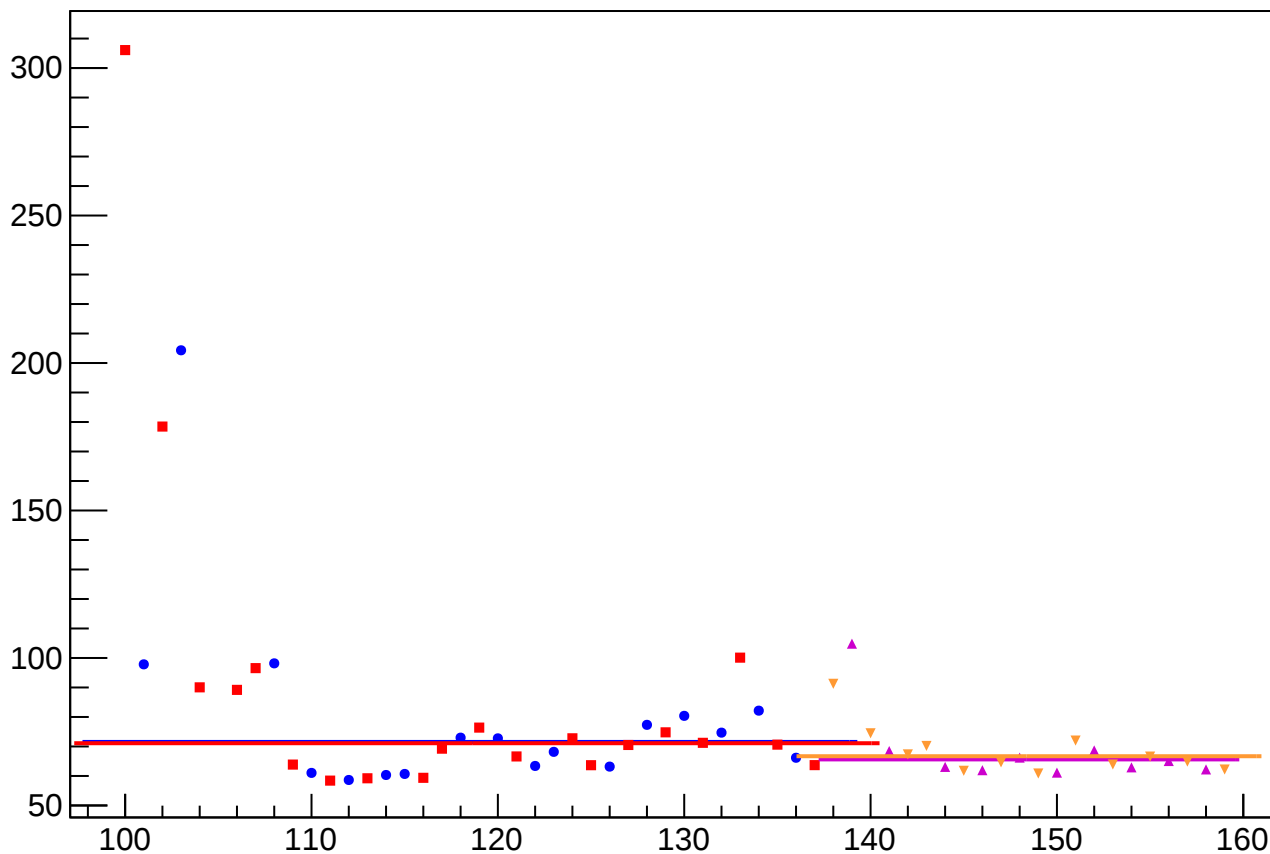
Right Out: -29.517 $\pm$ 27.879 χ^2 /NDF: 27.5/19

Left In: -84.106 $\pm$ 23.226 χ^2 /NDF:21.5/9

42.334 $\pm$ 17.764 χ^2 /NDF: 49.1/28

-61.741 $\pm$ 17.845 χ^2 /NDF: 51.2/29

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 66.693 $\pm$ 0.016 χ^2 /NDF: 168445.3/11

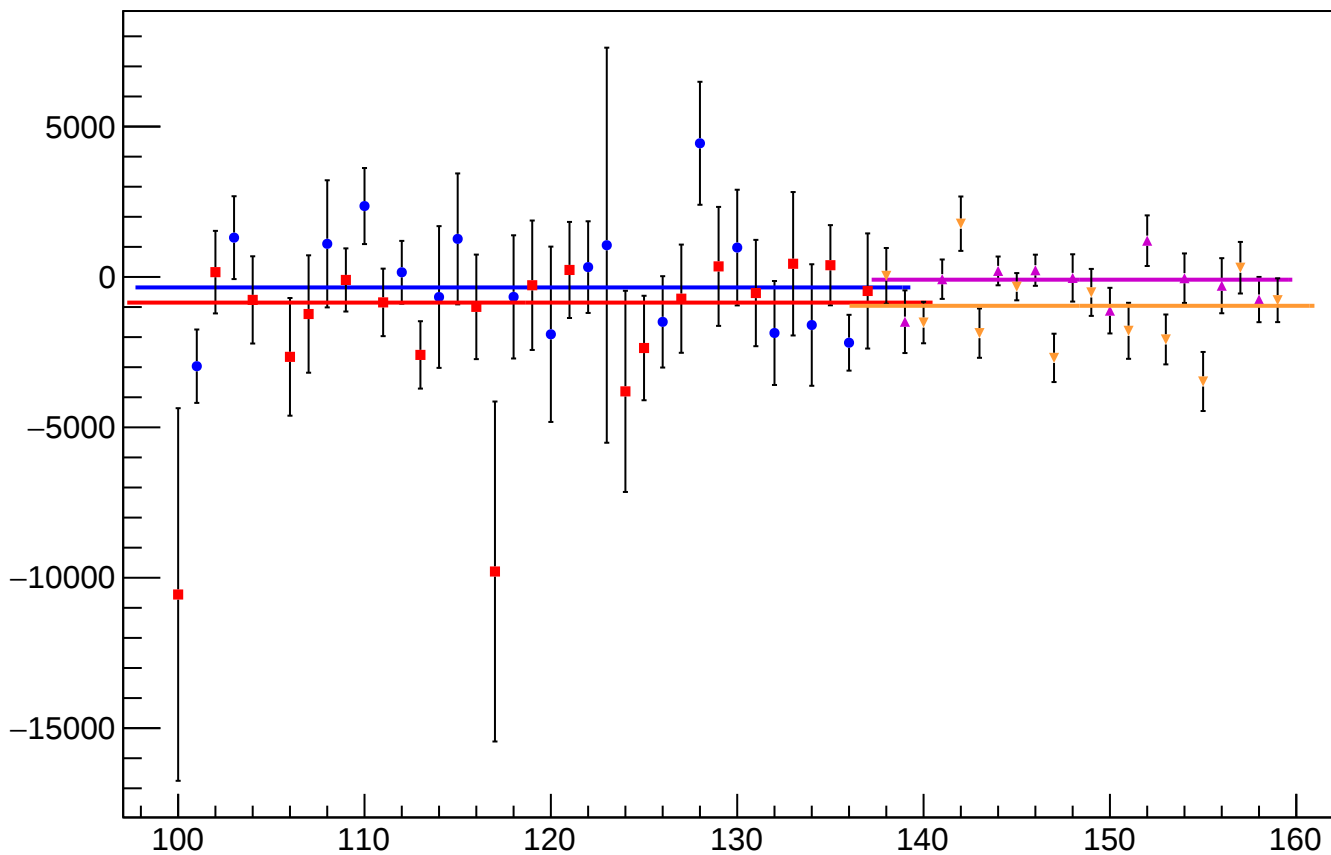
Right Out: 71.102 $\pm$ 0.020 χ^2 /NDF: 765220.8/19

Left In: 65.614 $\pm$ 0.016 χ^2 /NDF: 233721.8/9

68.529 $\pm$ 0.013 χ^2 /NDF: 962405.8/28

67.863 $\pm$ 0.013 χ^2 /NDF: 1044686.8/29

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939+/-381.994 χ^2 /NDF: 24.1/16

Left Out: -958.928+/-218.551 χ^2 /NDF:30.5/11

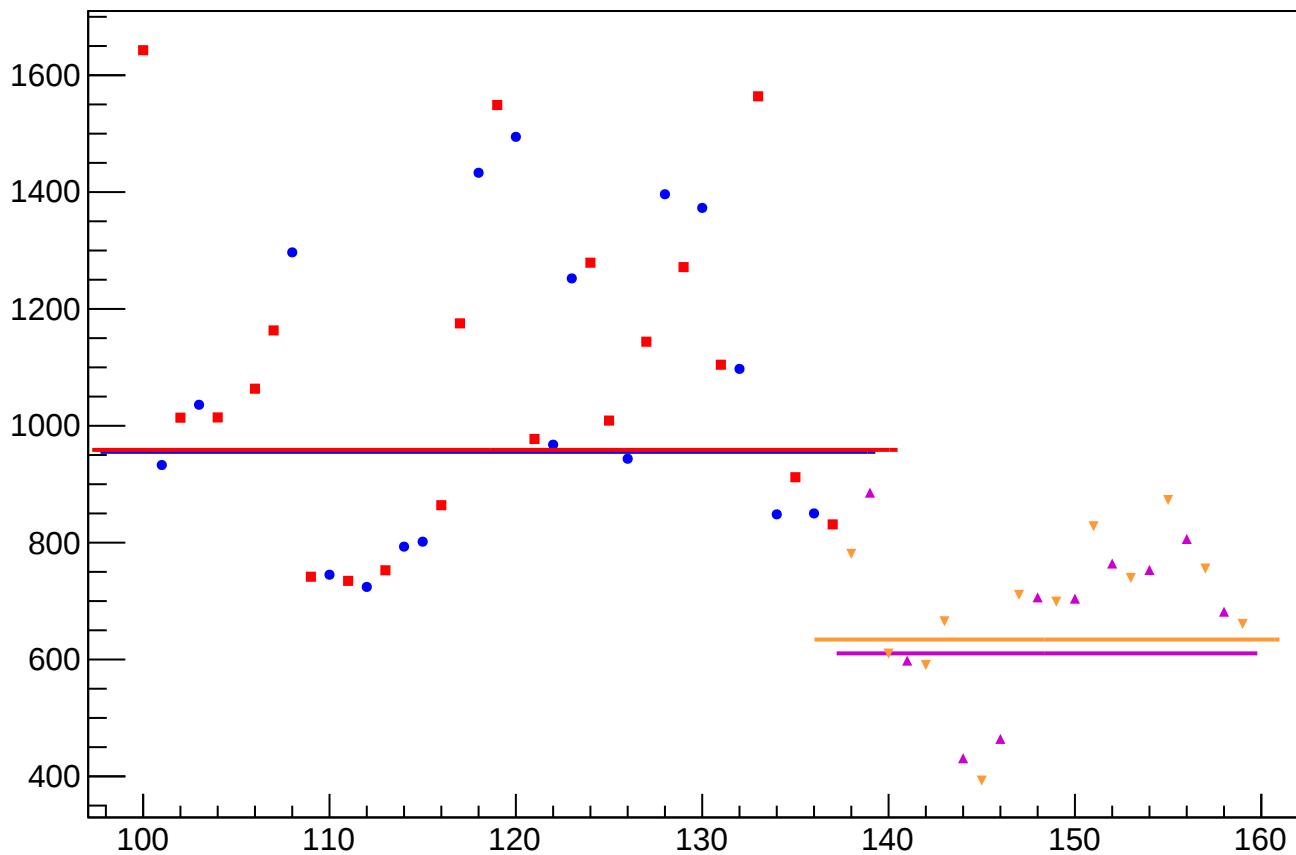
Right Out: -852.433+/-369.018 χ^2 /NDF: 13.0/19

Left In: -90.742+/-220.543 χ^2 /NDF:7.6/9

-808.251+/-189.698 χ^2 /NDF: 56.5/28

-291.203+/-189.310 χ^2 /NDF: 23.7/29

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 634.184+/-0.155 χ^2/NDF : 940366.6/11

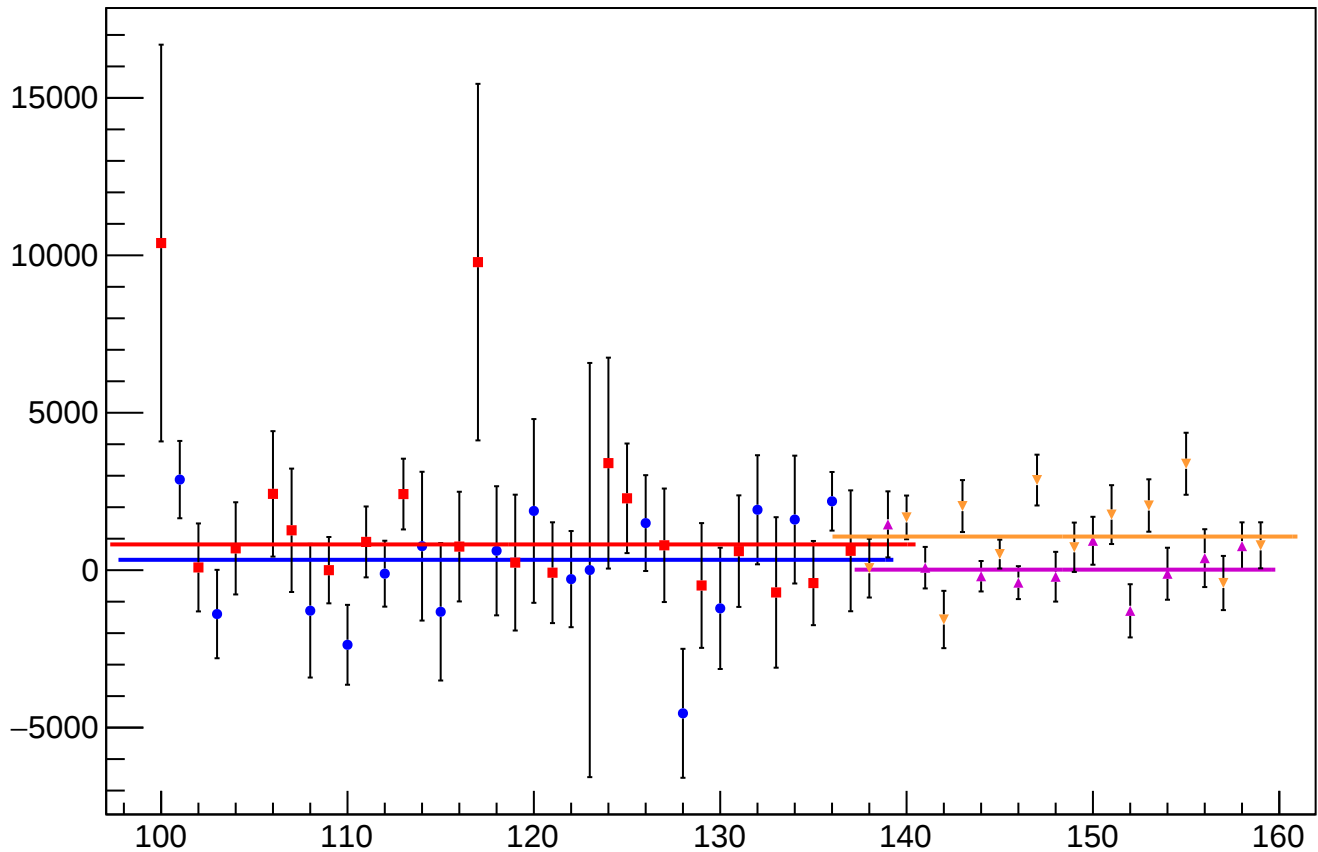
Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

Left In: 610.498+/-0.156 χ^2/NDF : 878491.8/9

713.406+/-0.134 χ^2/NDF : 2652492.7/28

702.157+/-0.134 χ^2/NDF : 2887175.4/29

asym_sam_37_avg_mean vs Slug



Right In: 329.164 ± 383.728 χ^2/NDF : 24.3/16

Left Out: 1067.901 ± 220.057 χ^2/NDF : 28.8/11

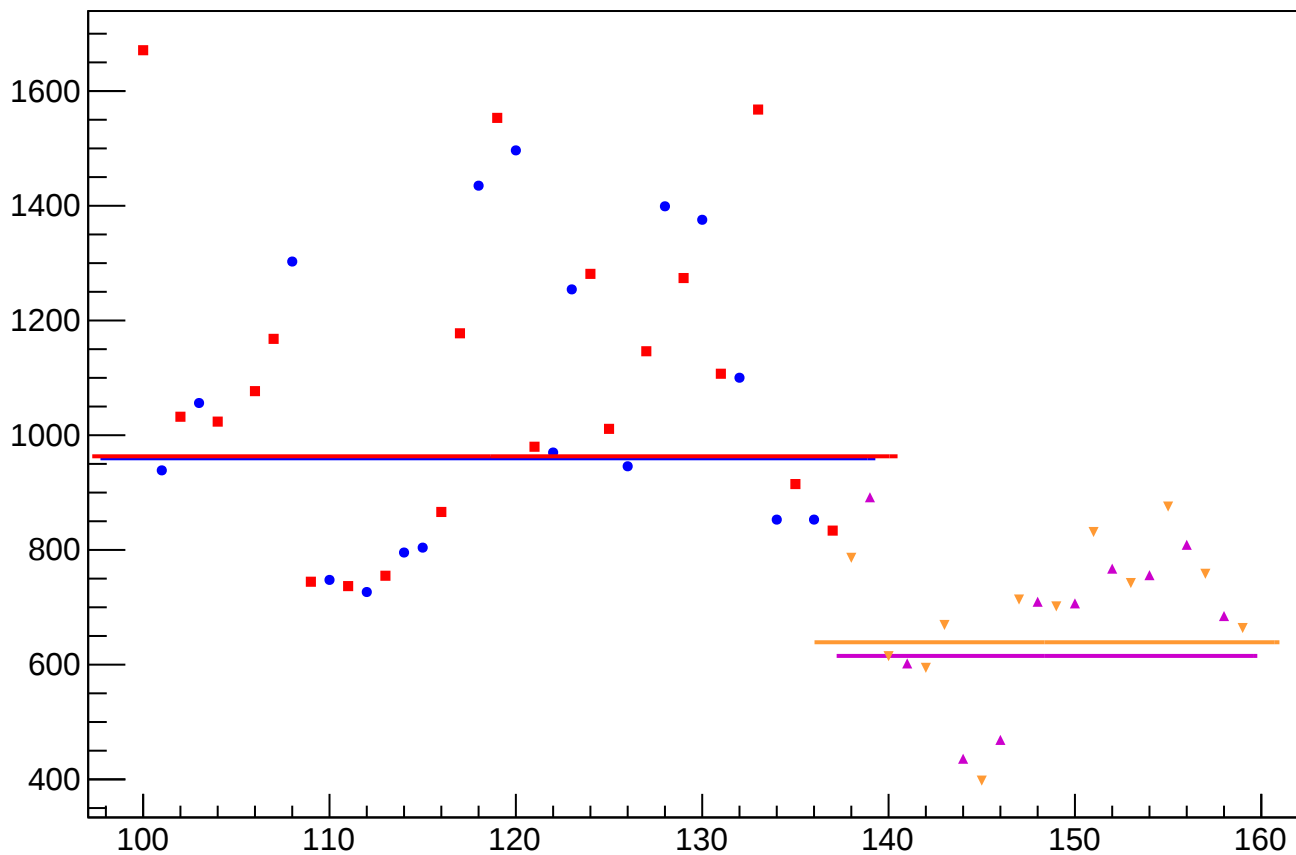
Right Out: 818.253 ± 370.875 χ^2/NDF : 11.8/19

Left In: 16.636 ± 222.094 χ^2/NDF : 7.8/9

885.078 ± 190.895 χ^2/NDF : 55.9/28

228.224 ± 190.541 χ^2/NDF : 23.1/29

asym_sam_37_avg_rms vs Slug



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 639.042 $\pm$ 0.156 χ^2 /NDF:913600.0/11

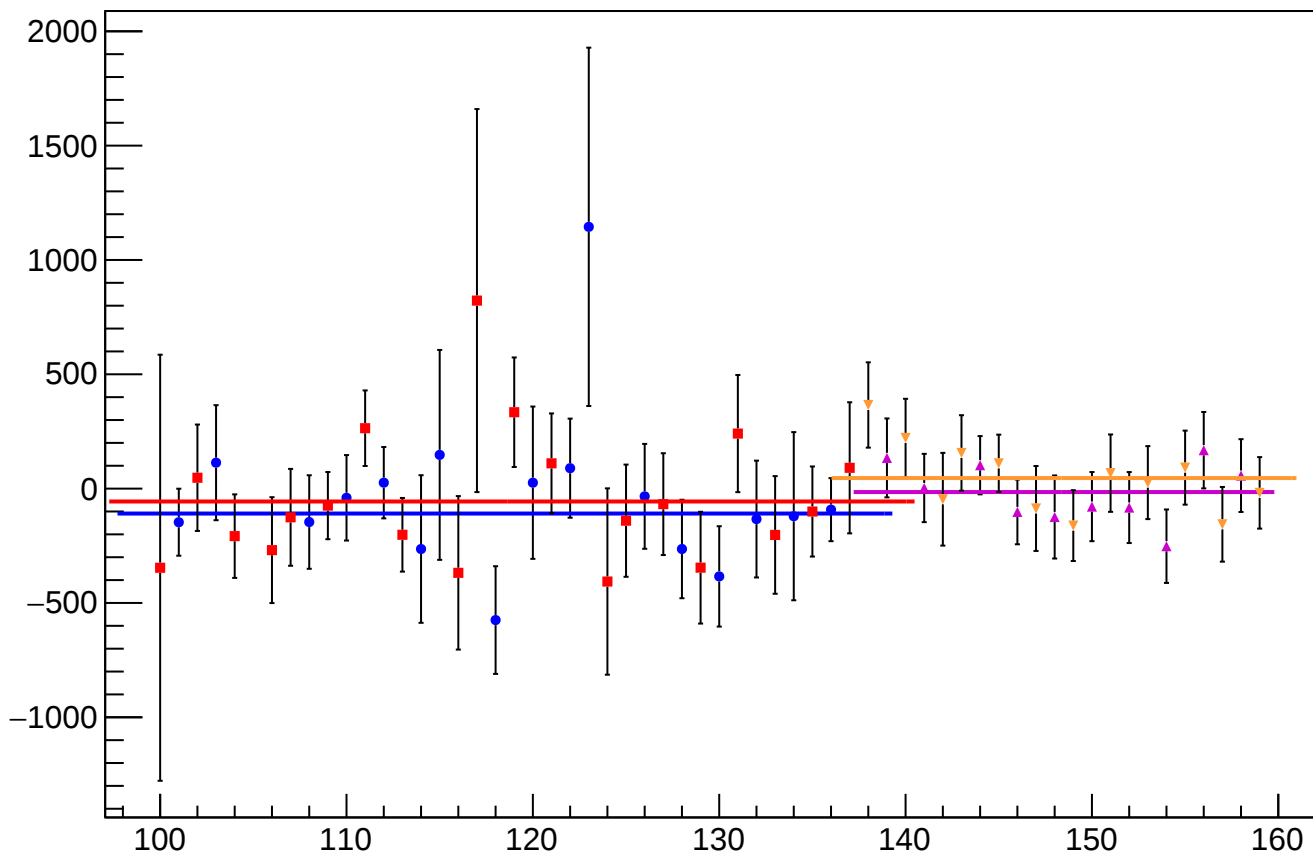
Right Out: 963.238 $\pm$ 0.262 χ^2 /NDF: 698638.3/19

Left In: 615.236 $\pm$ 0.157 χ^2 /NDF:857795.1/9

718.416 $\pm$ 0.135 χ^2 /NDF: 2611744.9/28

707.092 $\pm$ 0.135 χ^2 /NDF: 2852551.1/29

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 46.145 ± 47.201 χ^2/NDF : 9.0/11

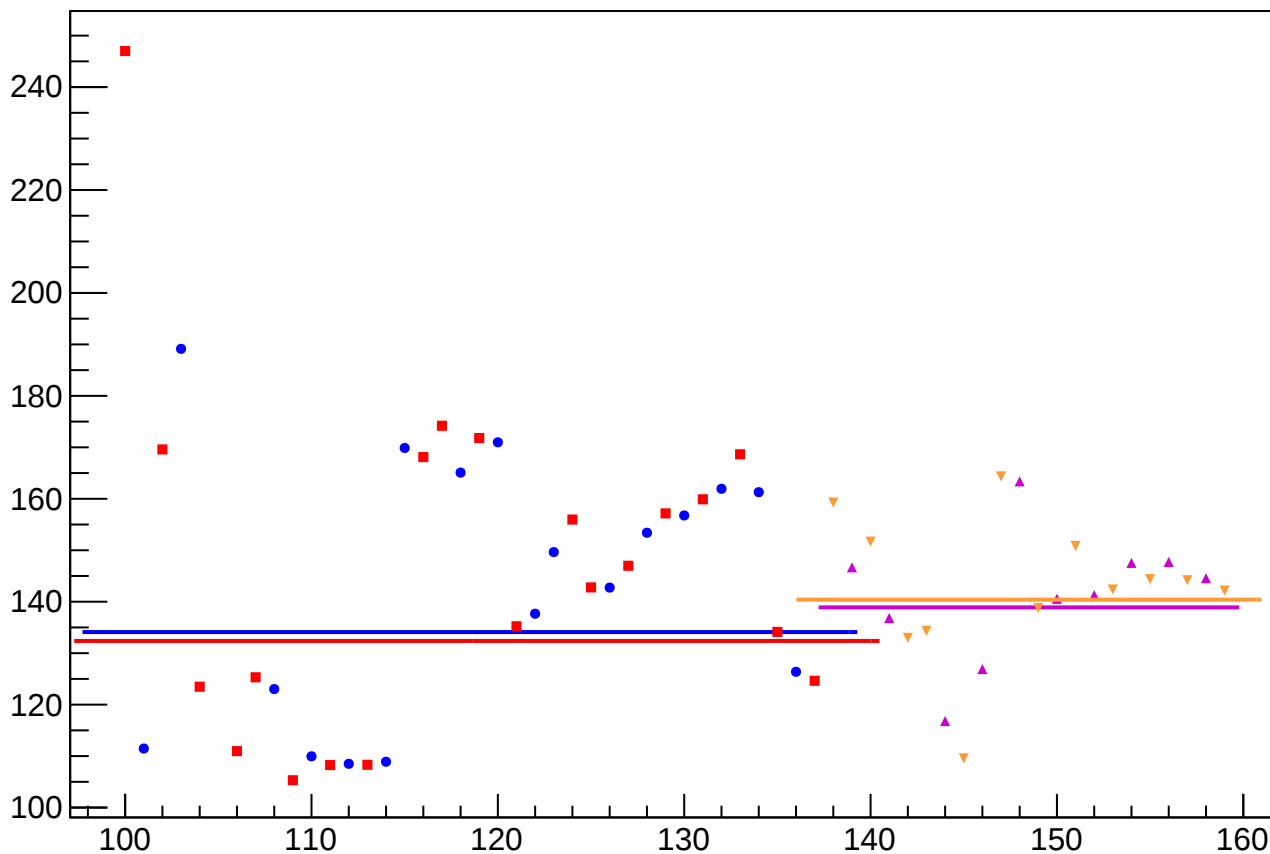
Right Out: -56.241 ± 50.729 χ^2/NDF : 16.0/19

Left In: -14.960 ± 48.823 χ^2/NDF : 6.3/9

-22.580 ± 35.226 χ^2/NDF : 25.8/28

-34.811 ± 35.178 χ^2/NDF : 22.6/29

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103 ± 0.037 χ^2/NDF : 402581.2/16

Left Out: 140.395 ± 0.033 χ^2/NDF : 199158.4/11

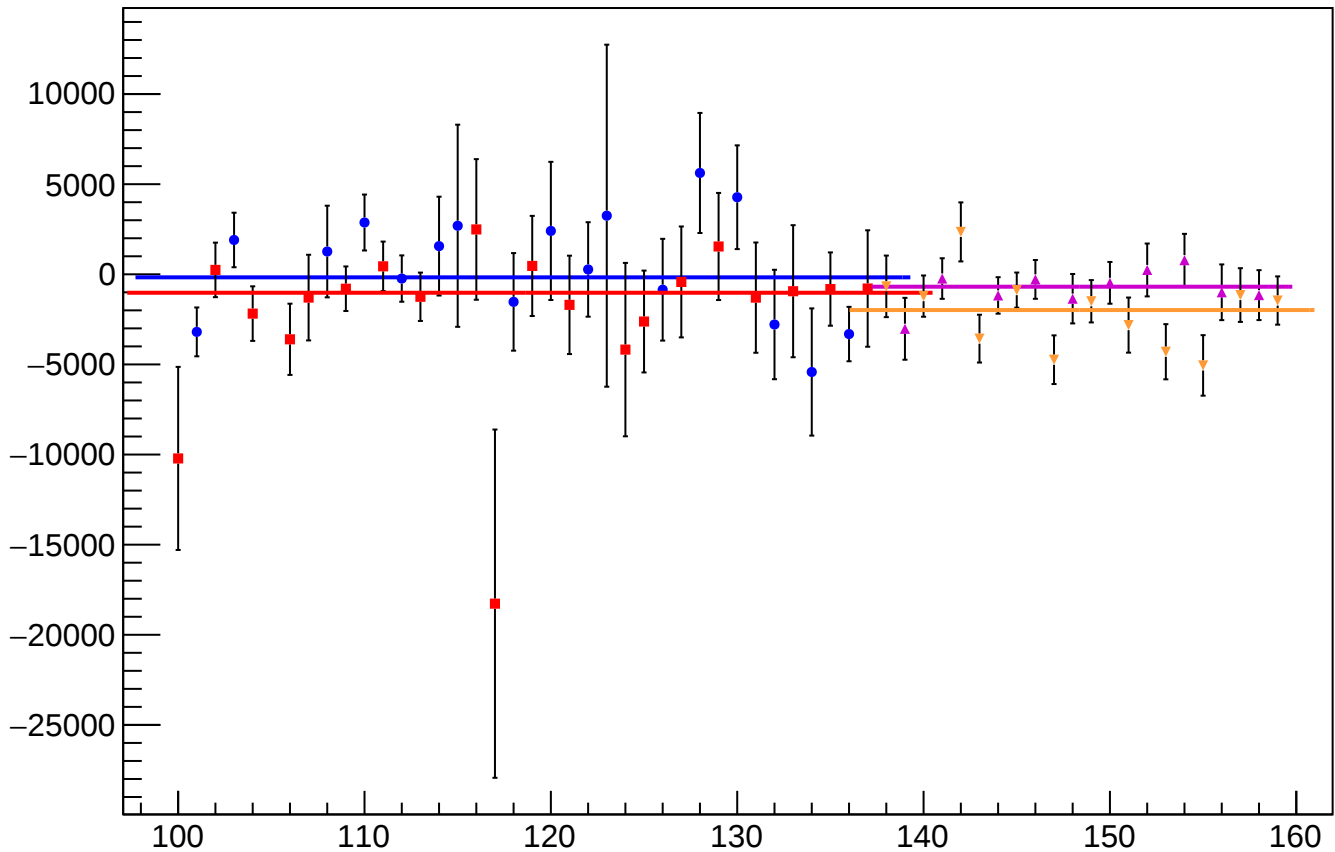
Right Out: 132.373 ± 0.036 χ^2/NDF : 446741.9/19

Left In: 138.895 ± 0.035 χ^2/NDF : 129895.6/9

137.607 ± 0.025 χ^2/NDF : 617482.1/28

135.759 ± 0.025 χ^2/NDF : 593799.7/29

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237+/-523.672 χ^2/NDF : 25.3/16

Left Out: -1983.430+/-389.511 χ^2/NDF : 21.5/11

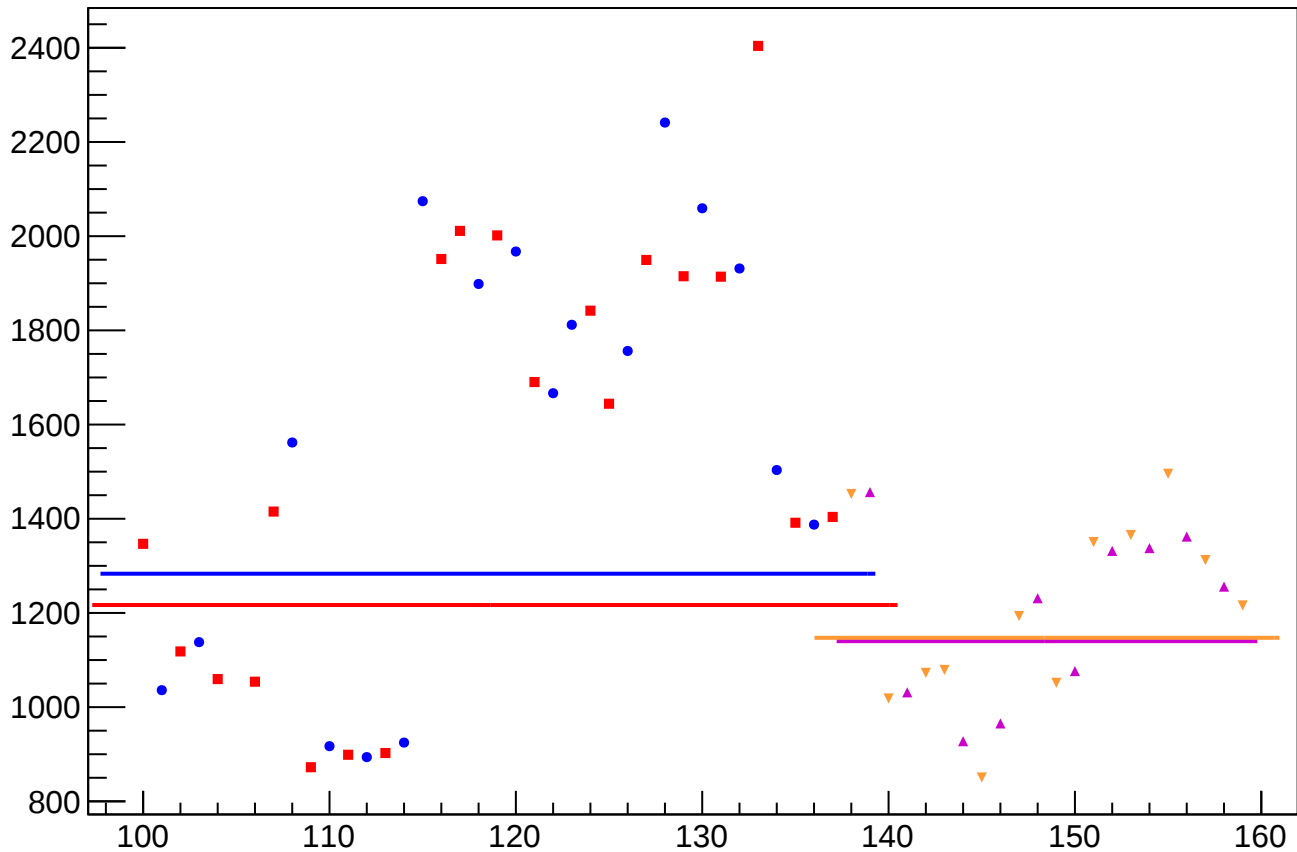
Right Out: -1023.271+/-480.373 χ^2/NDF : 13.4/19

Left In: -687.882+/-404.175 χ^2/NDF : 4.2/9

-1336.879+/-312.536 χ^2/NDF : 54.6/28

-826.898+/-309.269 χ^2/NDF : 17.9/29

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1147.253+/-0.275 χ^2/NDF : 491301.2/11

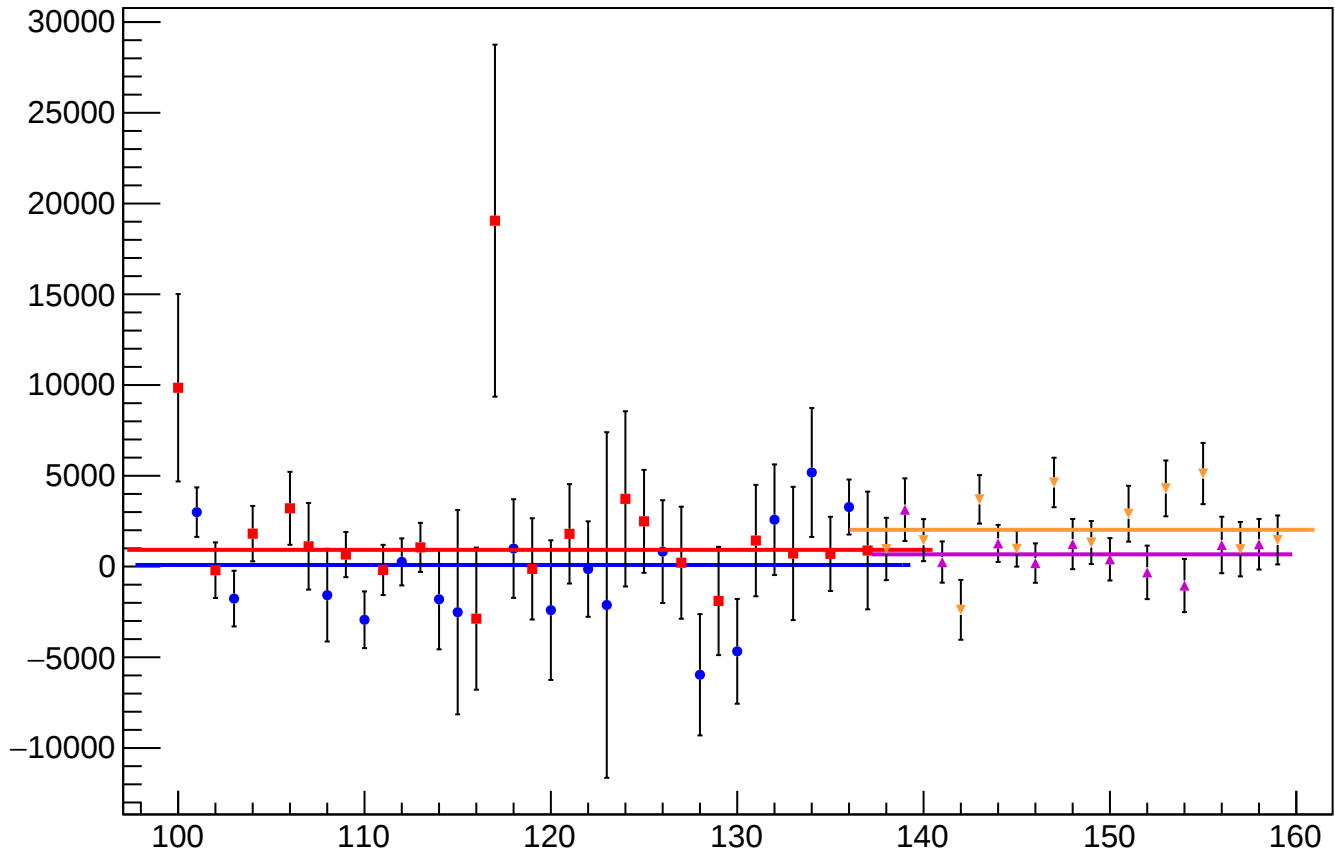
Right Out: 1216.852+/-0.340 χ^2/NDF : 1374416.0/19

Left In: 1140.073+/-0.286 χ^2/NDF : 368489.5/9

1195.718+/-0.221 χ^2/NDF : 1747661.0/28

1171.897+/-0.219 χ^2/NDF : 1772820.2/29

asym_sam_48_avg_mean vs Slug



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 2023.937+/-392.581 χ^2/NDF : 21.1/11

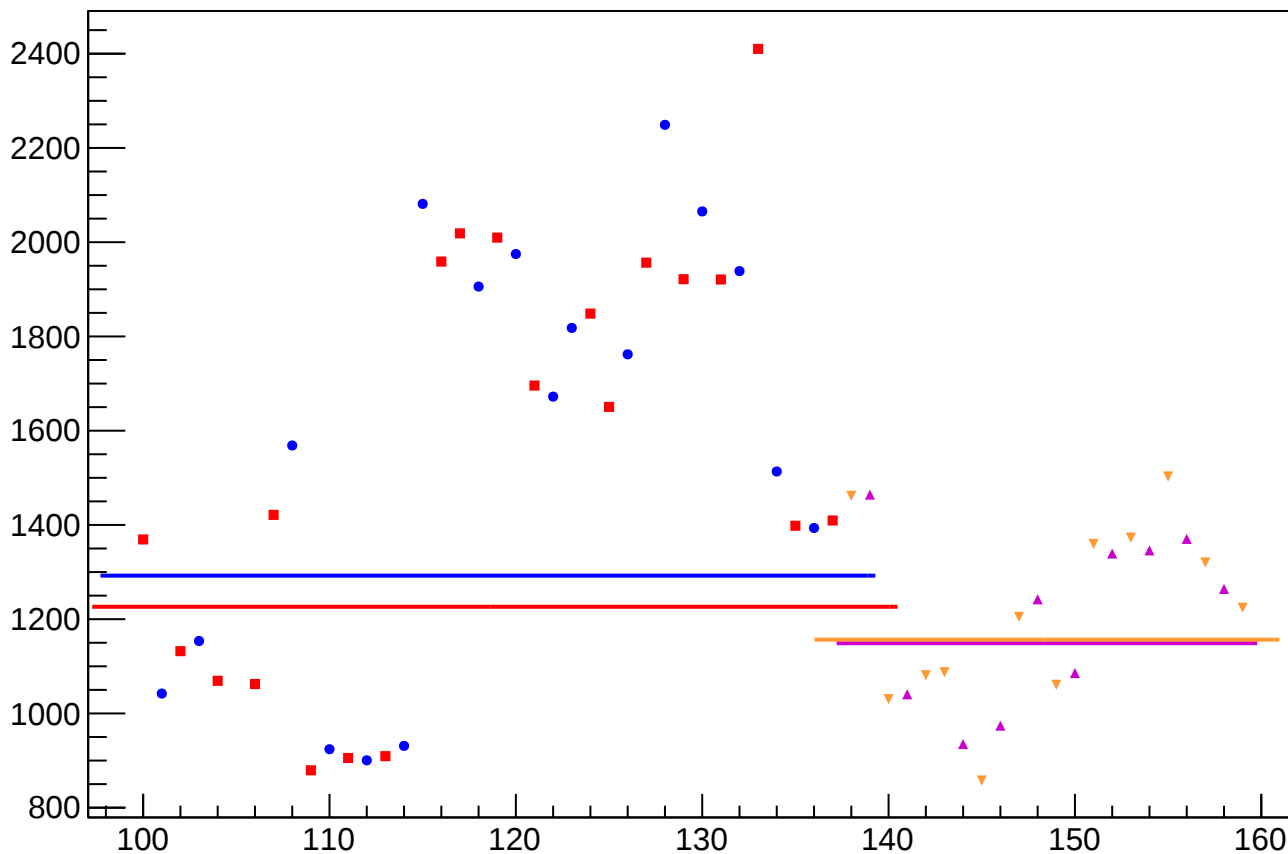
Right Out: 919.892+/-484.043 χ^2/NDF : 12.2/19

Left In: 673.102+/-407.274 χ^2/NDF : 5.0/9

1332.127+/-314.846 χ^2/NDF : 54.5/28

775.398+/-311.637 χ^2/NDF : 17.4/29

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1156.590+/-0.278 χ^2/NDF : 484401.0/11

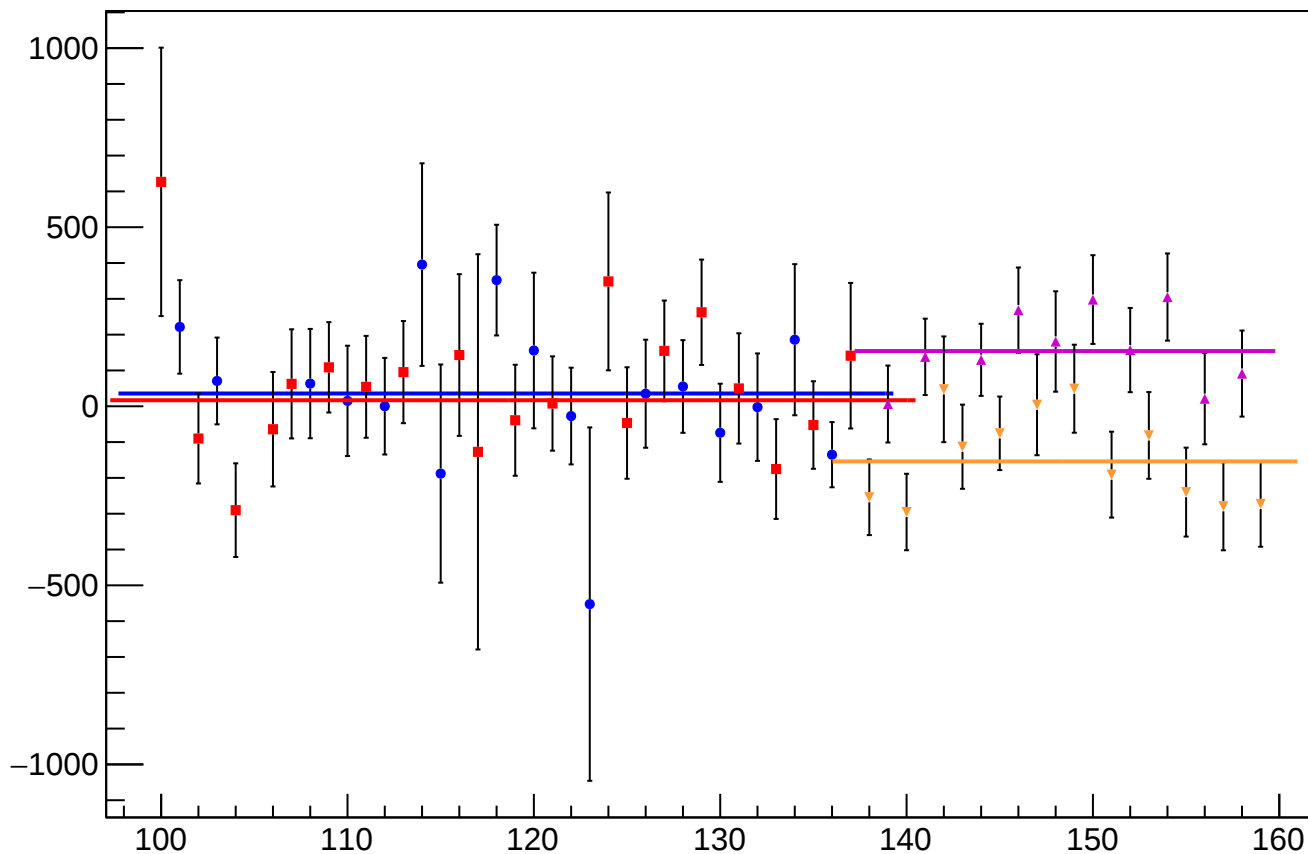
Right Out: 1226.408+/-0.342 χ^2/NDF : 1359134.9/19

Left In: 1149.051+/-0.288 χ^2/NDF : 363411.5/9

1205.058+/-0.223 χ^2/NDF : 1726412.0/28

1181.116+/-0.220 χ^2/NDF : 1752454.7/29

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679 ± 36.350 $\chi^2/\text{NDF}: 15.3/16$

Left Out: -154.063 ± 34.381 $\chi^2/\text{NDF}: 12.2/11$

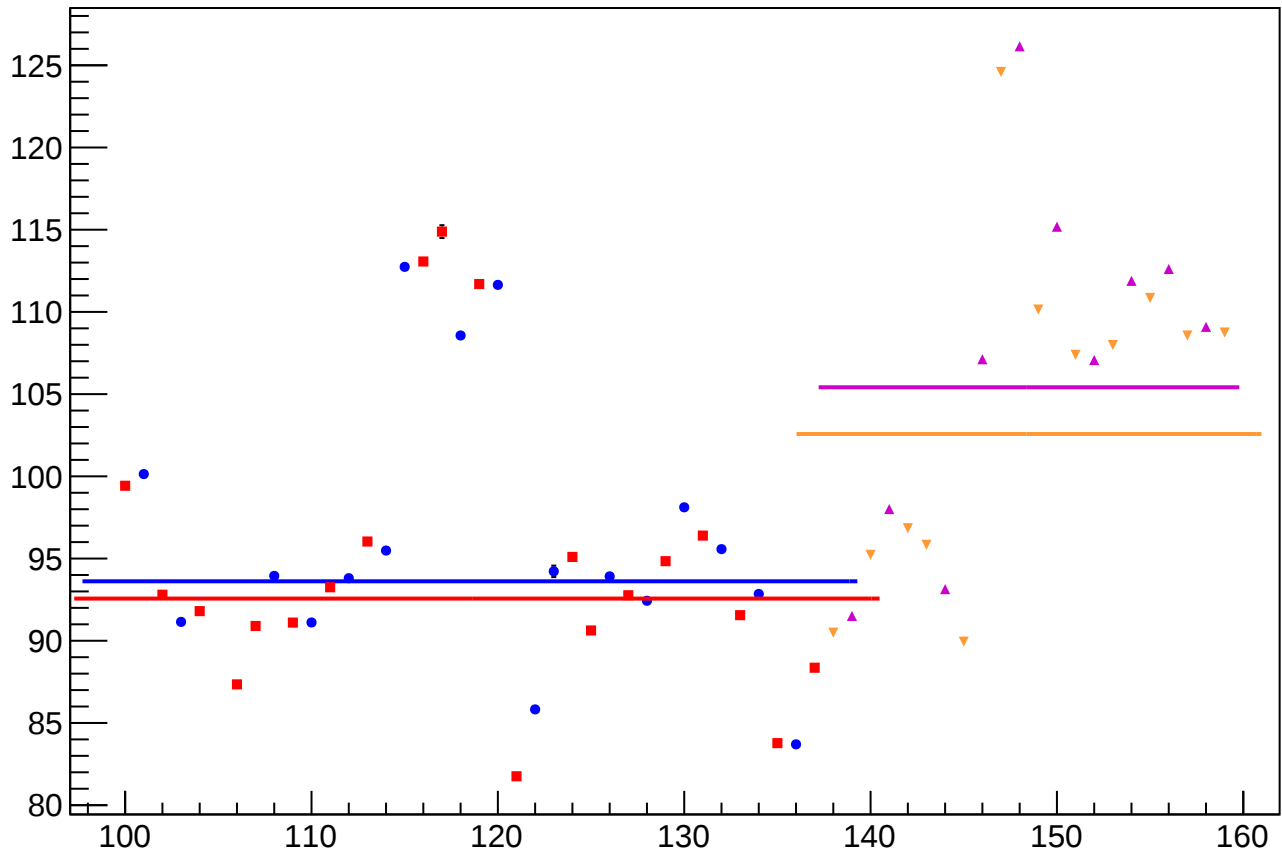
Right Out: 16.849 ± 34.623 $\chi^2/\text{NDF}: 19.0/19$

Left In: 154.138 ± 37.001 $\chi^2/\text{NDF}: 7.2/9$

-64.470 ± 24.978 $\chi^2/\text{NDF}: 41.8/28$

80.940 ± 25.281 $\chi^2/\text{NDF}: 33.5/29$

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 102.575+/-0.024 χ^2/NDF : 158138.1/11

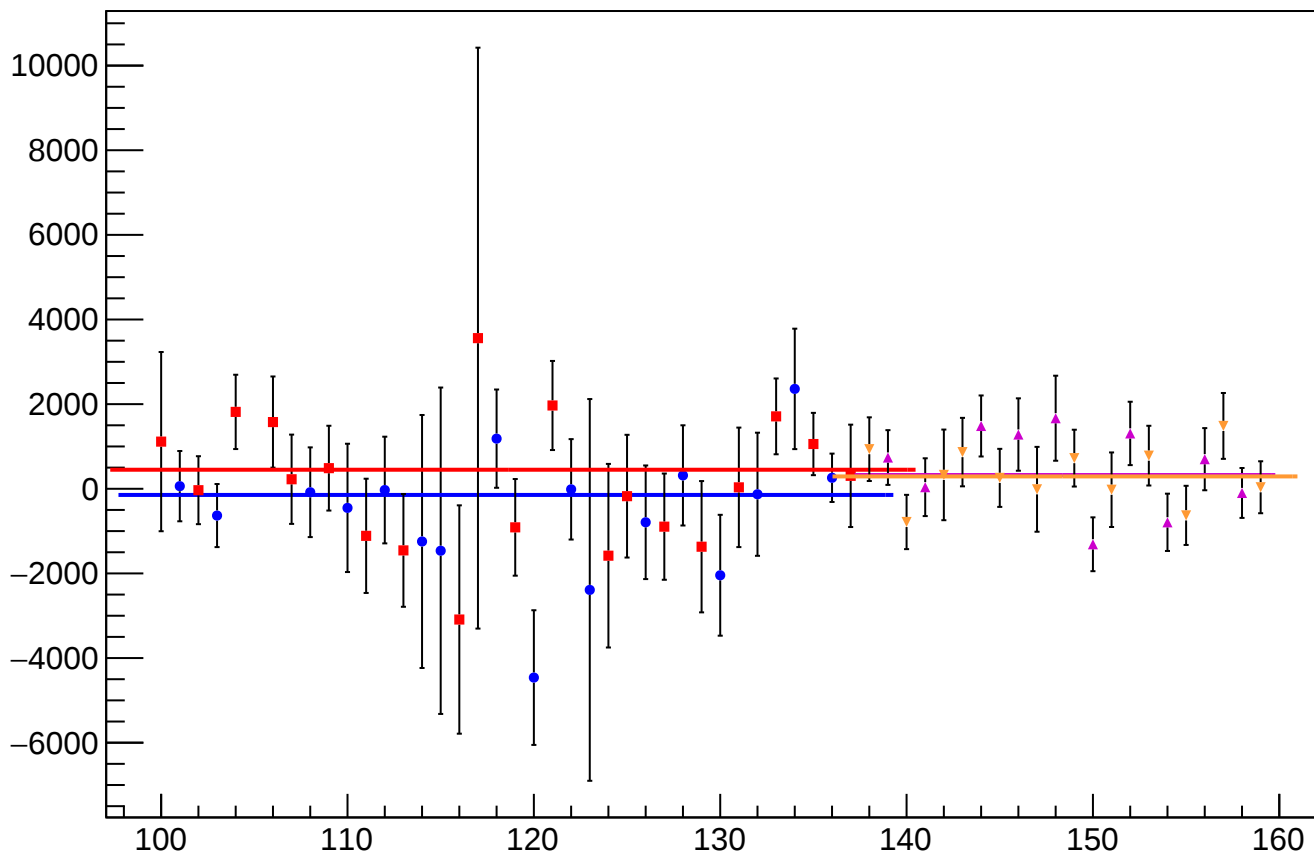
Right Out: 92.565+/-0.024 χ^2/NDF : 81875.5/19

Left In: 105.416+/-0.026 χ^2/NDF : 143812.2/9

98.344+/-0.018 χ^2/NDF : 302183.7/28

98.565+/-0.018 χ^2/NDF : 354317.1/29

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 ± 276.629 χ^2/NDF : 15.5/16

Left Out: 292.050 ± 215.251 χ^2/NDF : 9.4/11

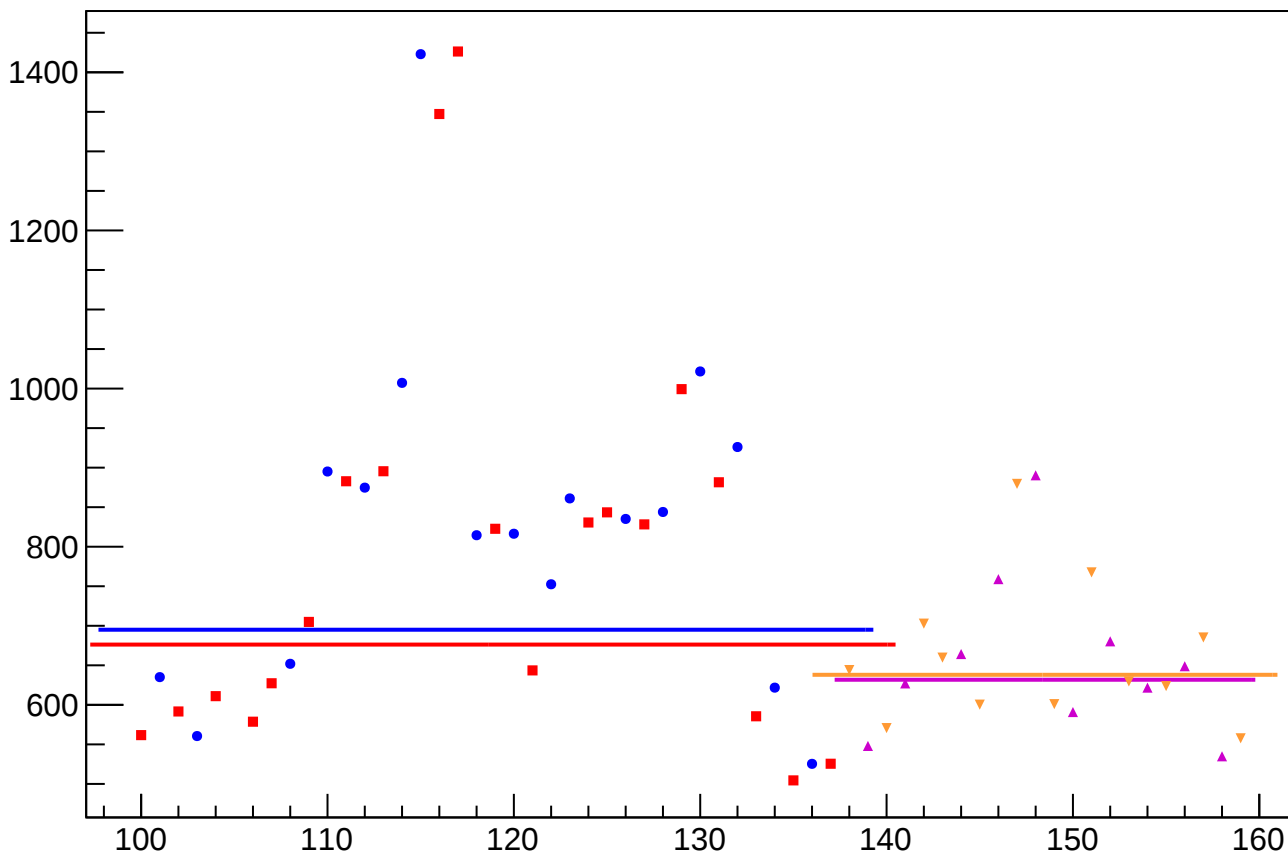
Right Out: 450.047 ± 260.089 χ^2/NDF : 19.2/19

Left In: 324.402 ± 223.697 χ^2/NDF : 18.0/9

127.050 ± 169.881 χ^2/NDF : 26.5/28

377.826 ± 169.597 χ^2/NDF : 37.4/29

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014+/-0.196 χ^2/NDF : 677713.0/16

Left Out: 638.007+/-0.152 χ^2/NDF : 245066.2/11

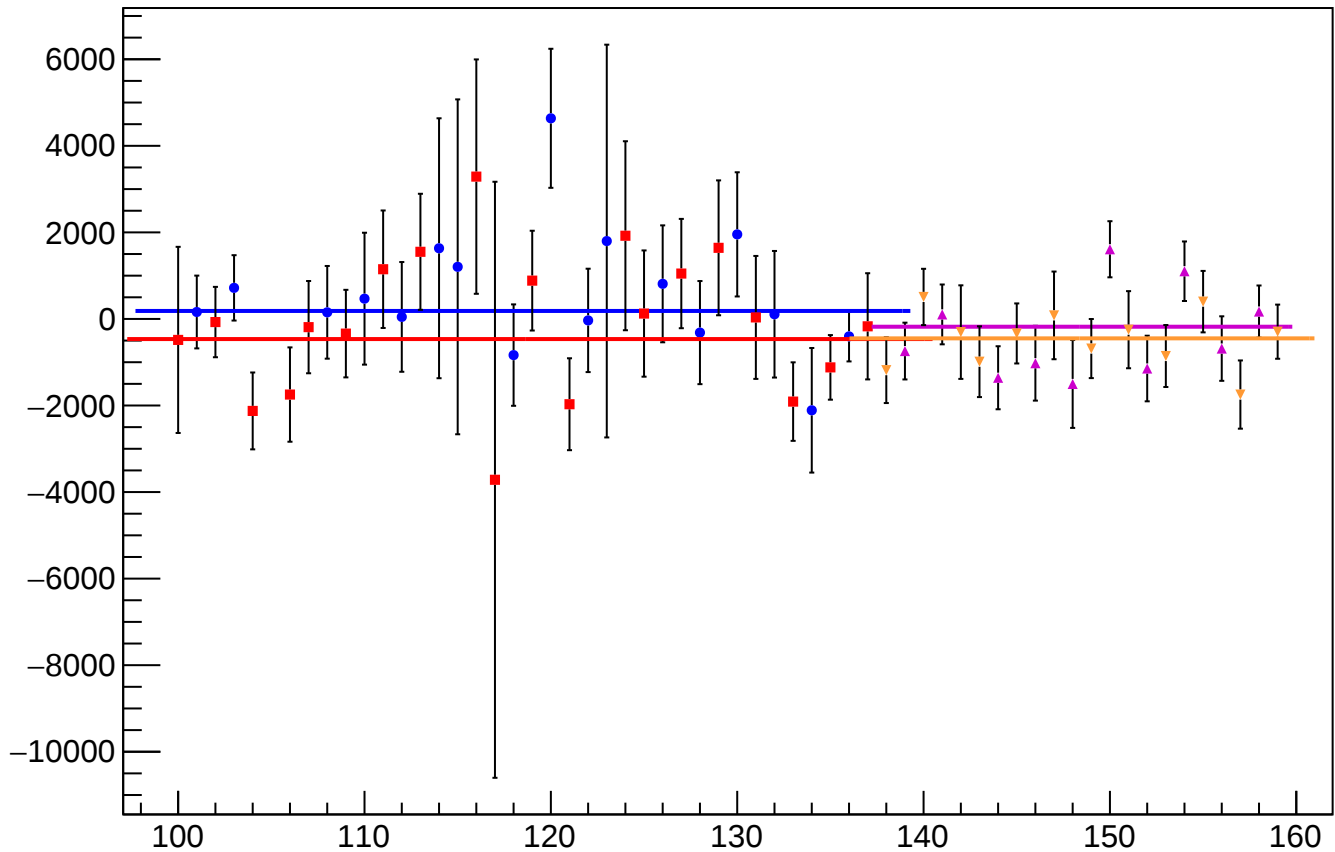
Right Out: 676.229+/-0.184 χ^2/NDF : 700313.6/19

Left In: 631.753+/-0.158 χ^2/NDF : 286481.9/9

659.506+/-0.120 χ^2/NDF : 975682.2/28

650.664+/-0.120 χ^2/NDF : 1020413.1/29

asym_sam_15_dd_mean vs Slug



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -448.802 ± 218.194 χ^2/NDF : 8.5/11

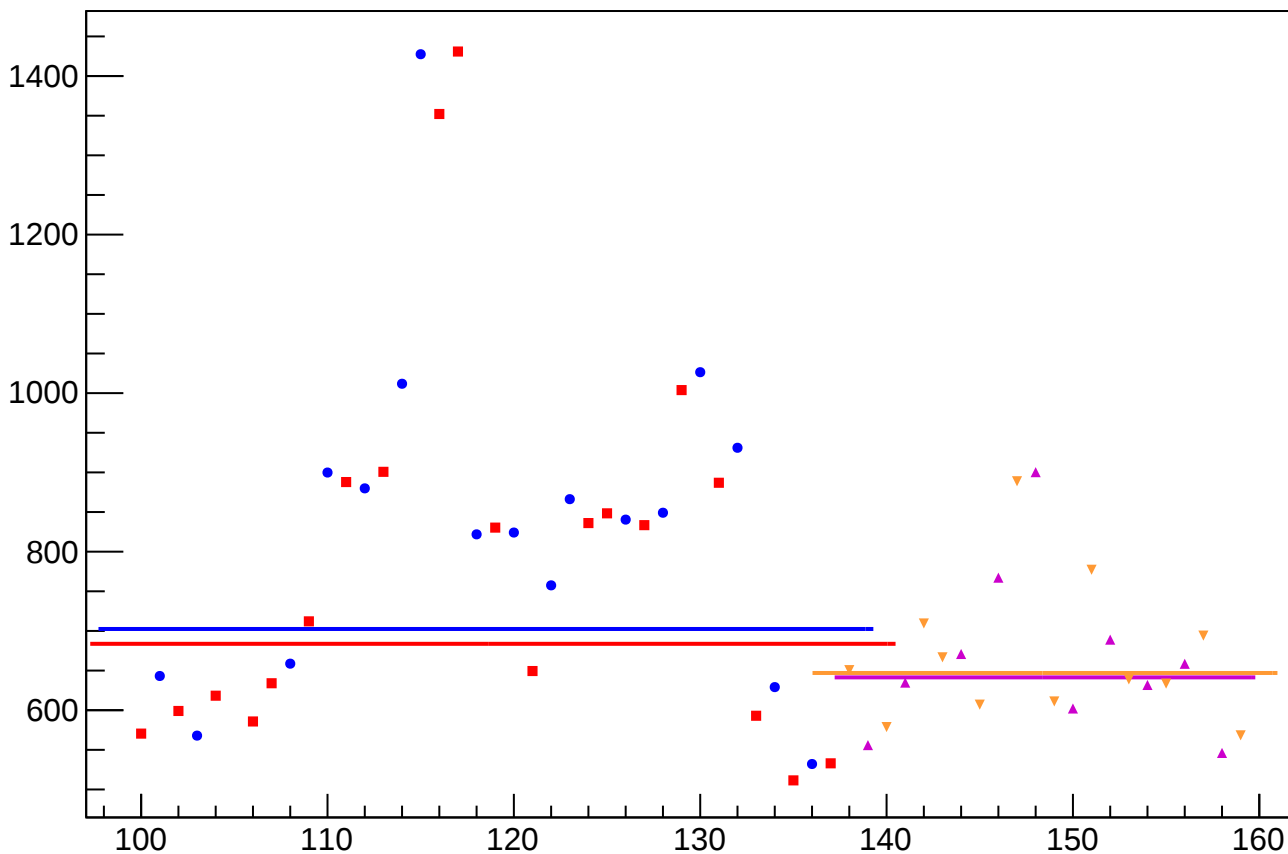
Right Out: -464.916 ± 262.768 χ^2/NDF : 22.5/19

Left In: -179.741 ± 227.007 χ^2/NDF : 19.7/9

-208.871 ± 171.966 χ^2/NDF : 26.7/28

-301.617 ± 171.781 χ^2/NDF : 42.9/29

asym_sam_15_dd_rms vs Slug



Right In: 702.469 ± 0.198 χ^2/NDF : 660525.4/16

Left Out: 646.967 ± 0.154 χ^2/NDF : 238567.2/11

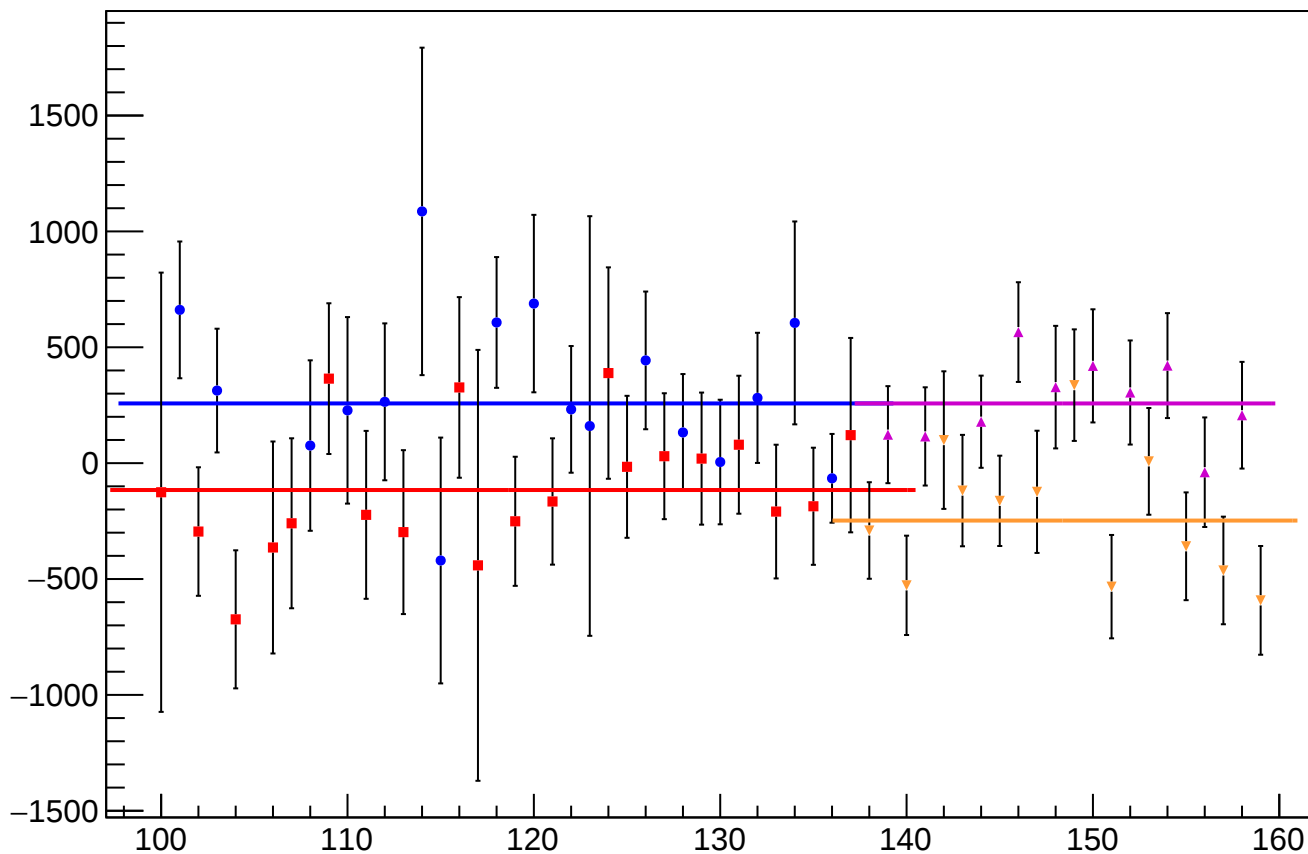
Right Out: 683.751 ± 0.186 χ^2/NDF : 683105.3/19

Left In: 641.408 ± 0.161 χ^2/NDF : 276606.2/9

667.994 ± 0.122 χ^2/NDF : 948118.3/28

659.504 ± 0.121 χ^2/NDF : 989450.7/29

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 ± 75.931 χ^2/NDF : 13.0/16

Left Out: -247.729 ± 66.576 χ^2/NDF : 15.8/11

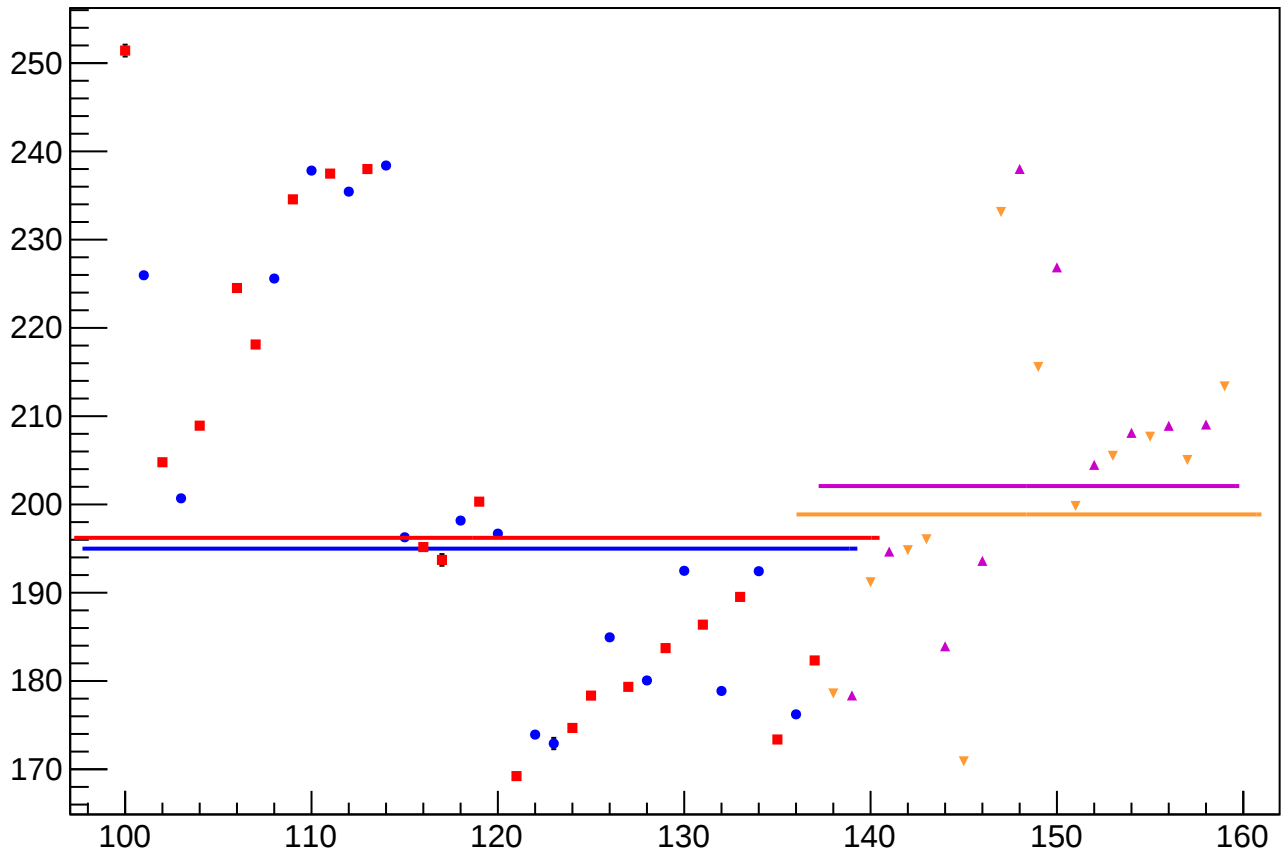
Right Out: -115.922 ± 73.976 χ^2/NDF : 11.4/19

Left In: 257.630 ± 70.863 χ^2/NDF : 5.8/9

-28.042 ± 50.059 χ^2/NDF : 53.9/28

78.878 ± 51.173 χ^2/NDF : 30.4/29

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 ± 0.054 χ^2/NDF : 144271.1/16

Left Out: 198.871 ± 0.047 χ^2/NDF : 120410.7/11

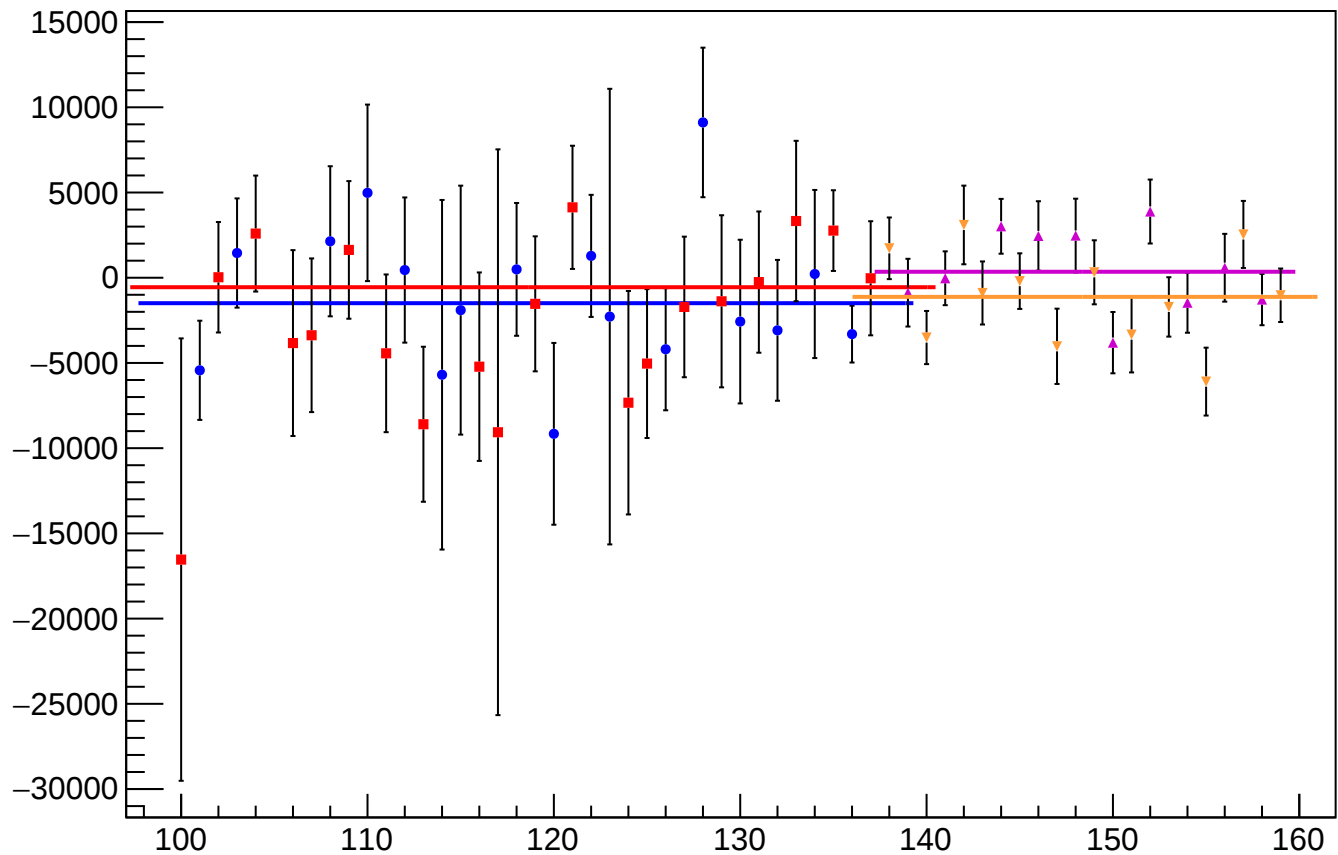
Right Out: 196.219 ± 0.052 χ^2/NDF : 173506.2/19

Left In: 202.086 ± 0.050 χ^2/NDF : 110562.3/9

197.186 ± 0.035 χ^2/NDF : 267628.4/28

199.278 ± 0.036 χ^2/NDF : 290627.8/29

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -1123.270 ± 533.727 χ^2/NDF : 21.6/11

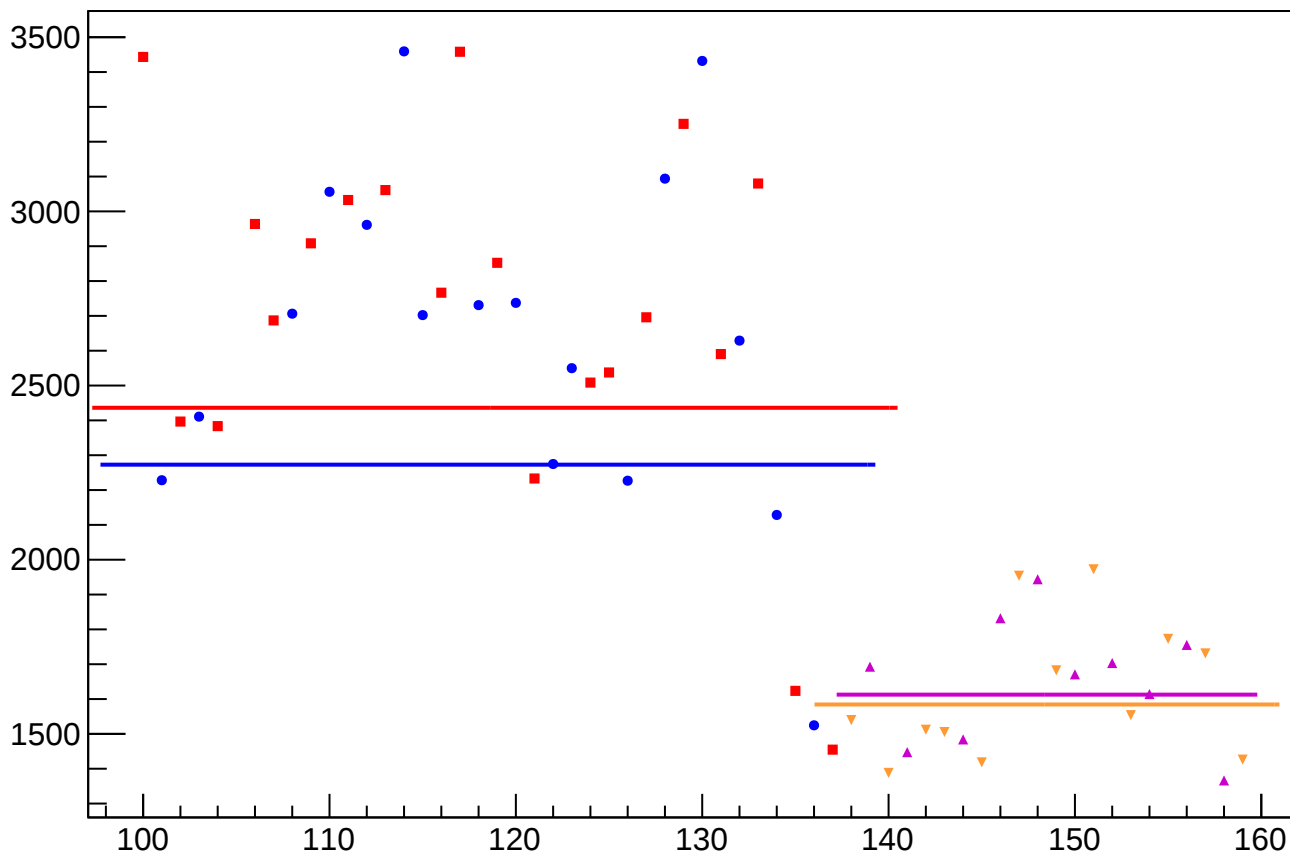
Right Out: -555.744 ± 933.239 χ^2/NDF : 14.9/19

Left In: 350.610 ± 567.483 χ^2/NDF : 16.4/9

-1217.846 ± 460.491 χ^2/NDF : 37.9/28

105.944 ± 484.876 χ^2/NDF : 32.0/29

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1584.348+/-0.377 χ^2/NDF : 231941.9/11

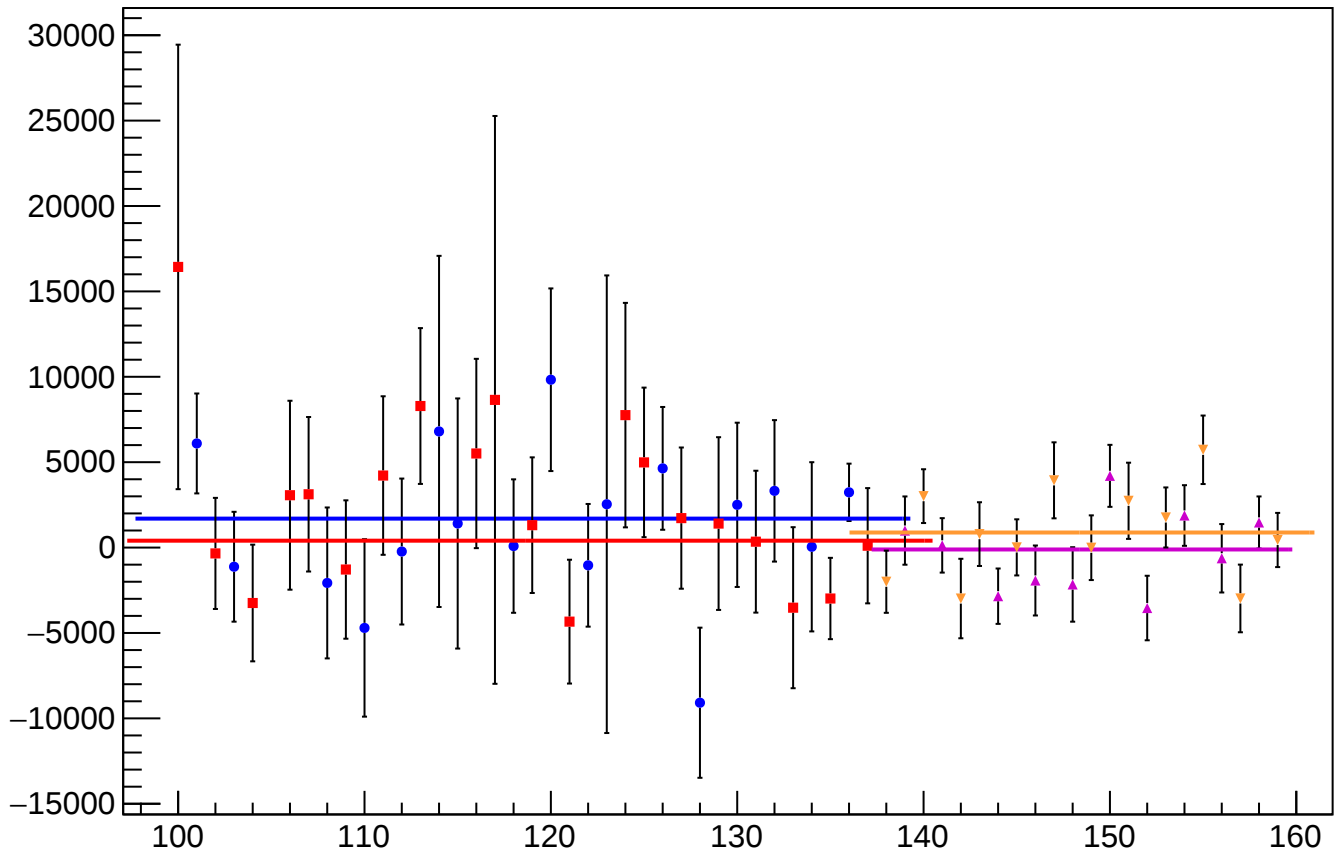
Right Out: 2436.191+/-0.660 χ^2/NDF : 688391.3/19

Left In: 1612.667+/-0.401 χ^2/NDF : 178567.9/9

1760.339+/-0.326 χ^2/NDF : 1888356.2/28

1834.973+/-0.343 χ^2/NDF : 2003938.0/29

asym_sam_26_dd_mean vs Slug



Right In: 1695.956 $\pm$ 914.855 χ^2 /NDF: 16.6/16

Left Out: 882.380 $\pm$ 538.121 χ^2 /NDF:20.1/11

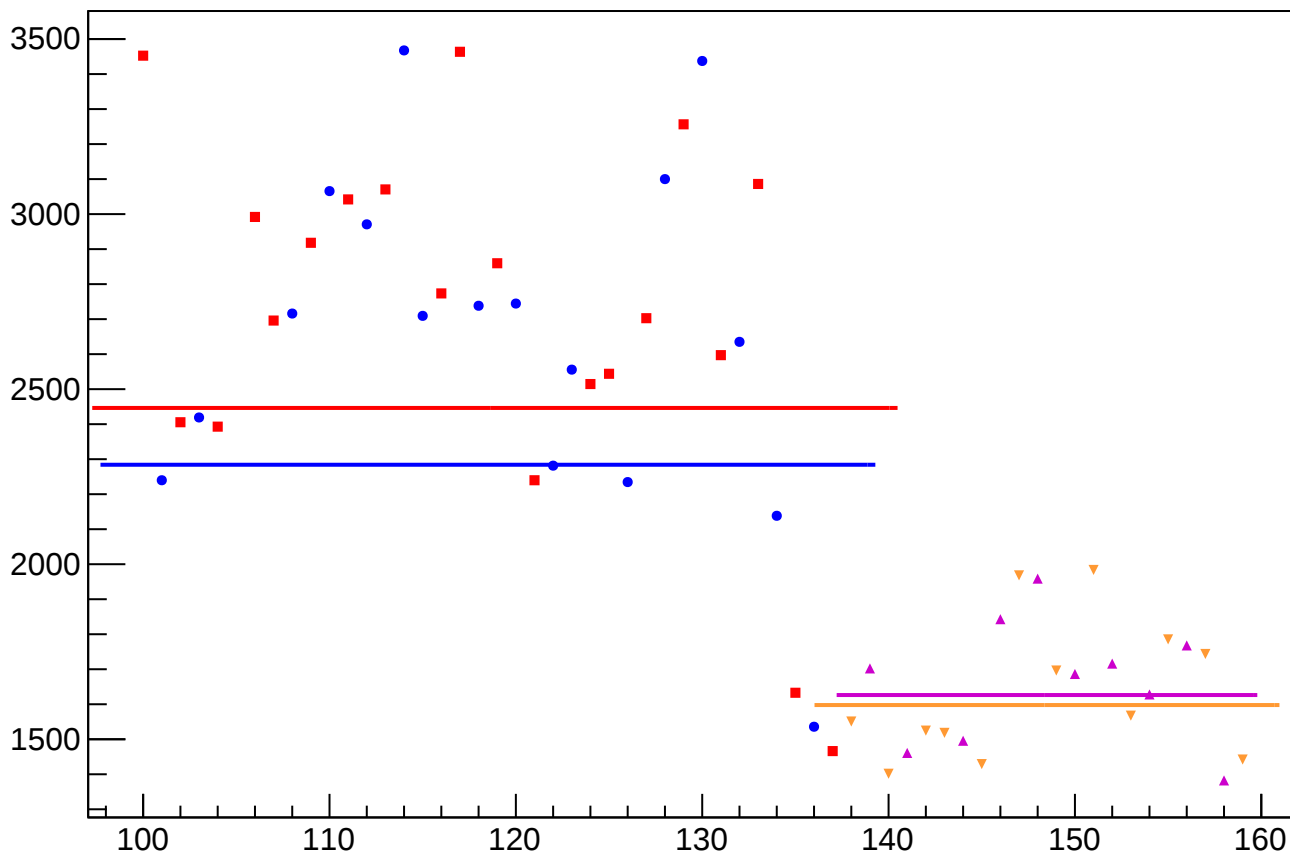
Right Out: 403.904 $\pm$ 937.036 χ^2 /NDF: 15.2/19

Left In: -111.064 $\pm$ 572.182 χ^2 /NDF:16.2/9

1091.509 $\pm$ 463.831 χ^2 /NDF: 37.3/28

28.801 $\pm$ 488.337 χ^2 /NDF: 31.6/29

asym_sam_26_dd_rms vs Slug



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1597.718+/-0.381 χ^2/NDF : 227924.8/11

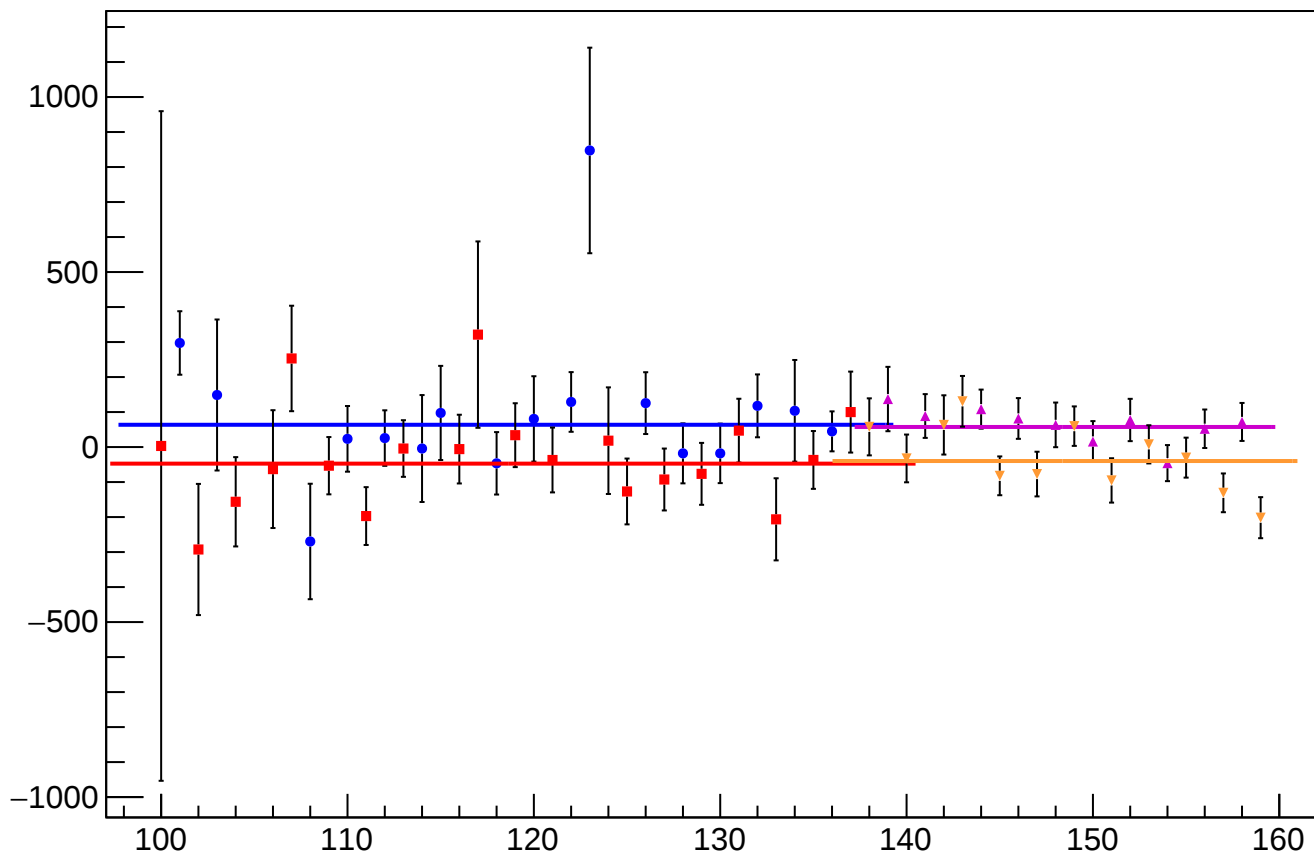
Right Out: 2446.366+/-0.663 χ^2/NDF : 680413.3/19

Left In: 1626.327+/-0.405 χ^2/NDF : 174282.9/9

1774.152+/-0.328 χ^2/NDF : 1858333.4/28

1849.049+/-0.345 χ^2/NDF : 1970421.9/29

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 $\pm$ 23.743 χ^2 /NDF: 23.7/16

Left Out: -39.909 $\pm$ 17.991 χ^2 /NDF:24.4/11

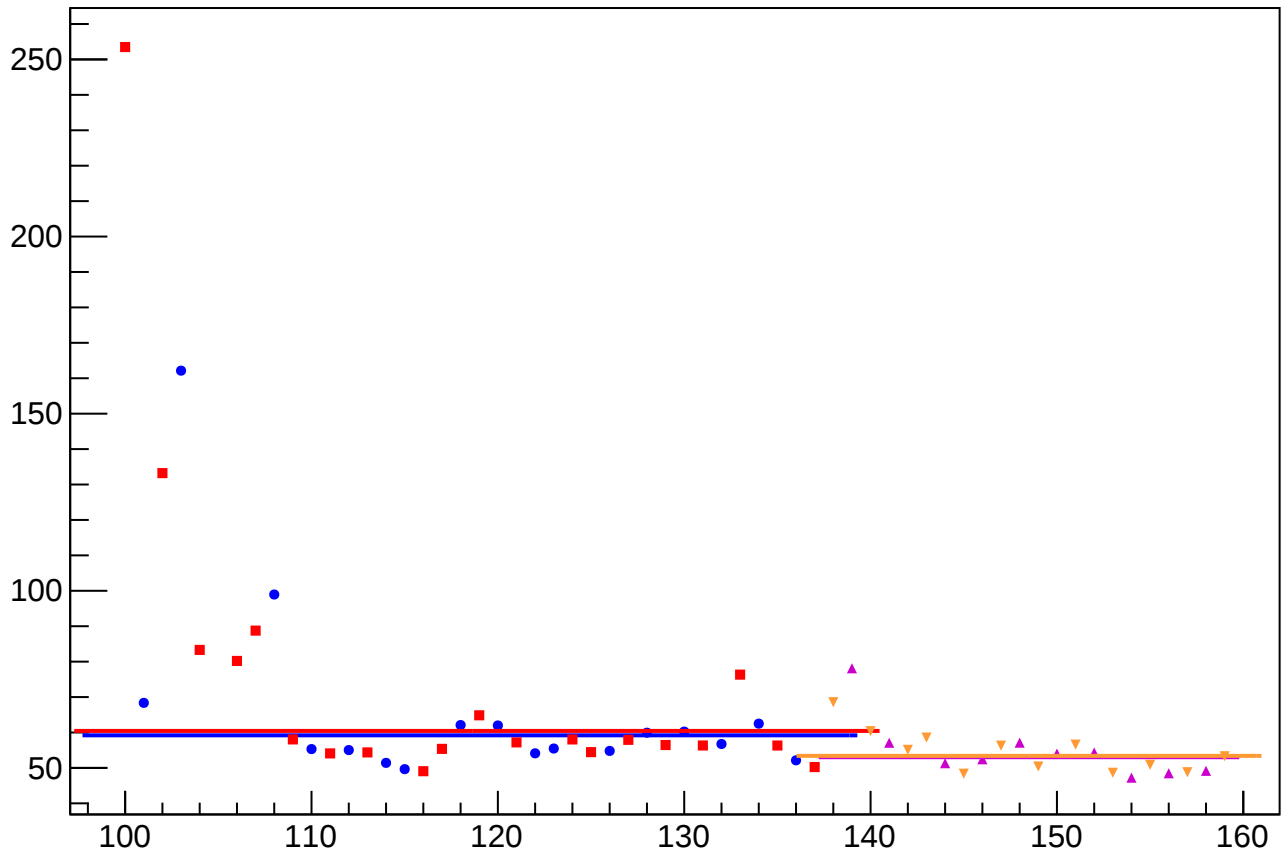
Right Out: -47.367 $\pm$ 23.568 χ^2 /NDF: 18.7/19

Left In: 57.389 $\pm$ 18.723 χ^2 /NDF:6.7/9

-2.131 $\pm$ 14.339 χ^2 /NDF: 60.1/28

16.856 $\pm$ 14.660 χ^2 /NDF: 37.6/29

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200+/-0.017 χ^2/NDF : 665472.4/16

Left Out: 53.403+/-0.013 χ^2/NDF : 165487.6/11

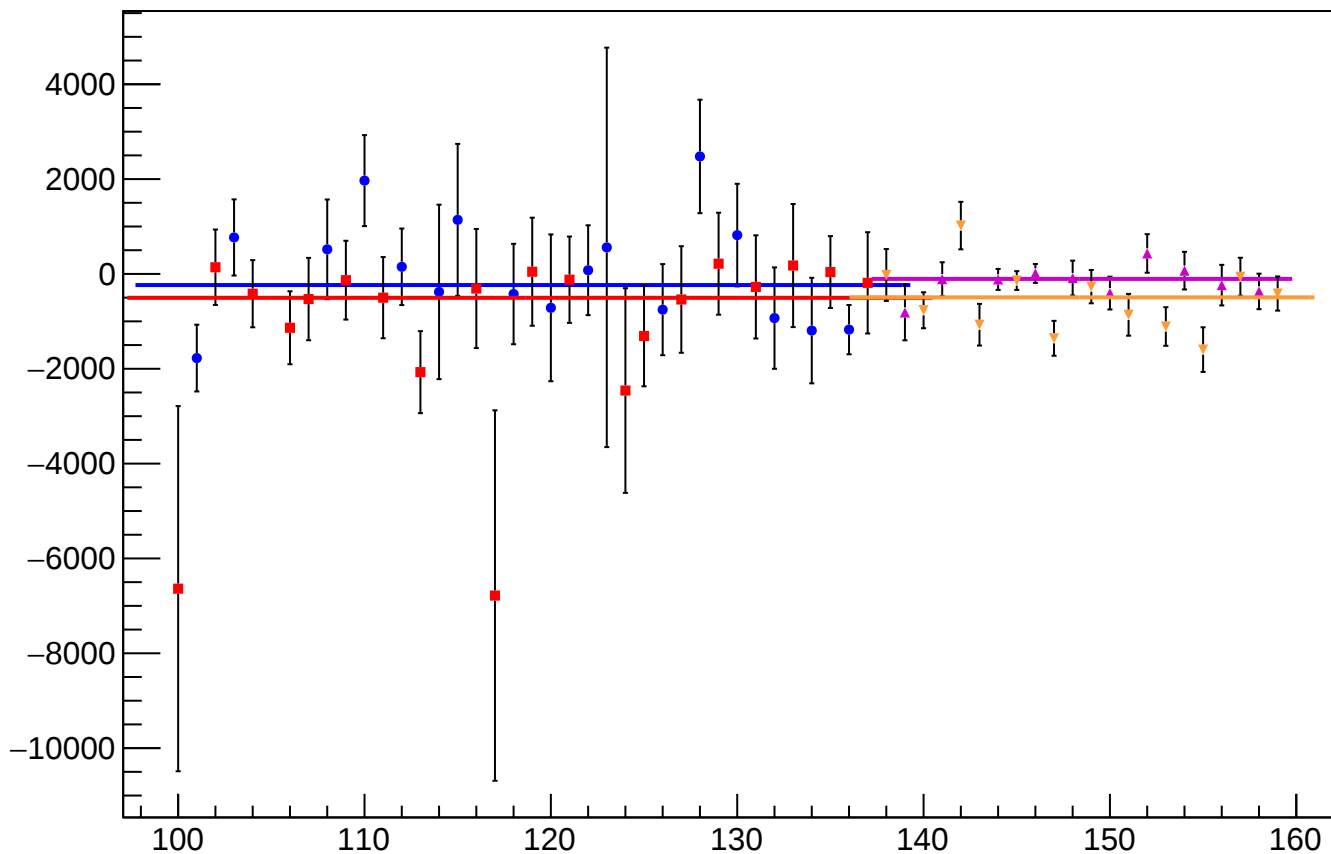
Right Out: 60.443+/-0.017 χ^2/NDF : 680790.3/19

Left In: 53.021+/-0.013 χ^2/NDF : 218282.5/9

55.518+/-0.010 χ^2/NDF : 906705.0/28

55.893+/-0.010 χ^2/NDF : 1020672.8/29

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -494.241 ± 105.357 χ^2/NDF : 30.9/11

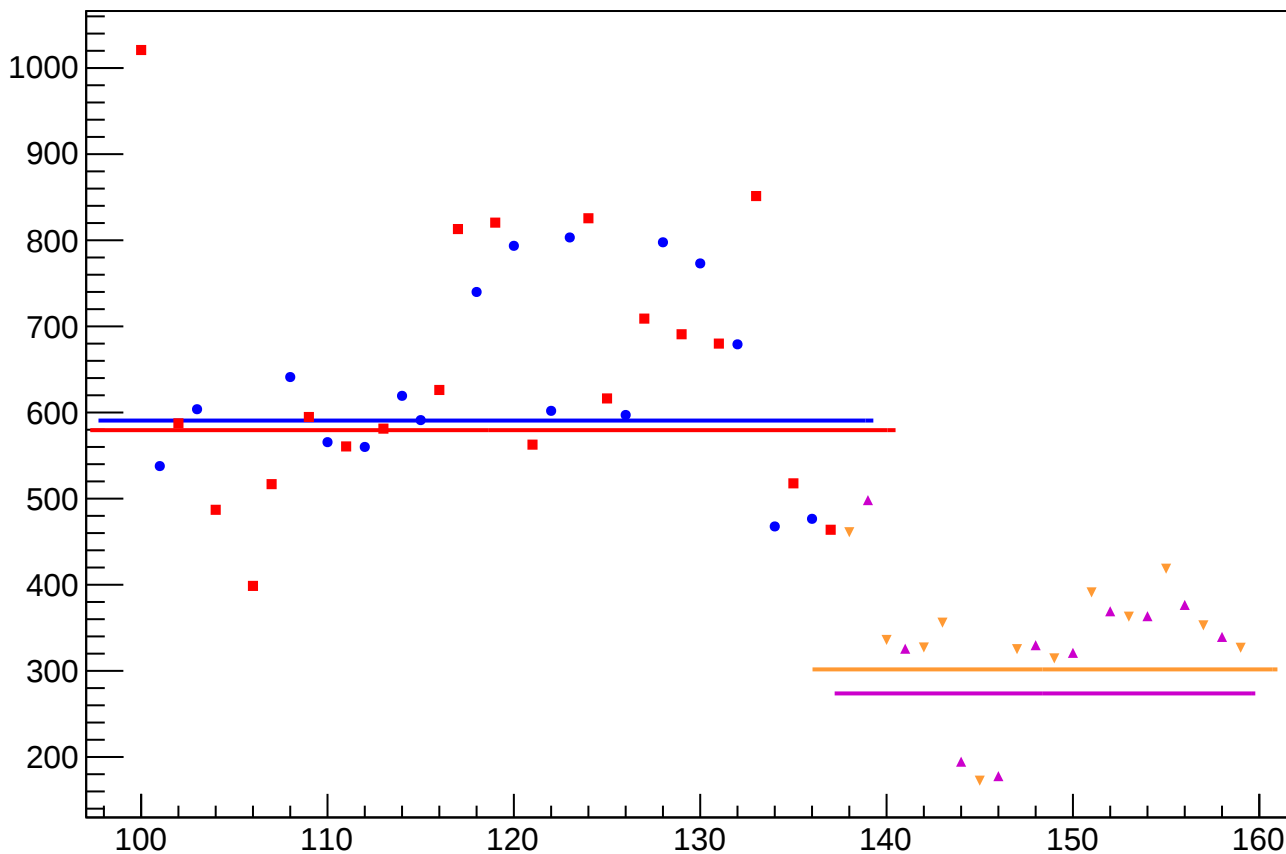
Right Out: -503.638 ± 221.955 χ^2/NDF : 13.2/19

Left In: -105.042 ± 101.454 χ^2/NDF : 5.1/9

-450.423 ± 96.060 χ^2/NDF : 56.1/28

-173.929 ± 92.271 χ^2/NDF : 20.9/29

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659+/-0.165 χ^2/NDF : 352080.1/16

Left Out: 301.707+/-0.074 χ^2/NDF :1377802.8/11

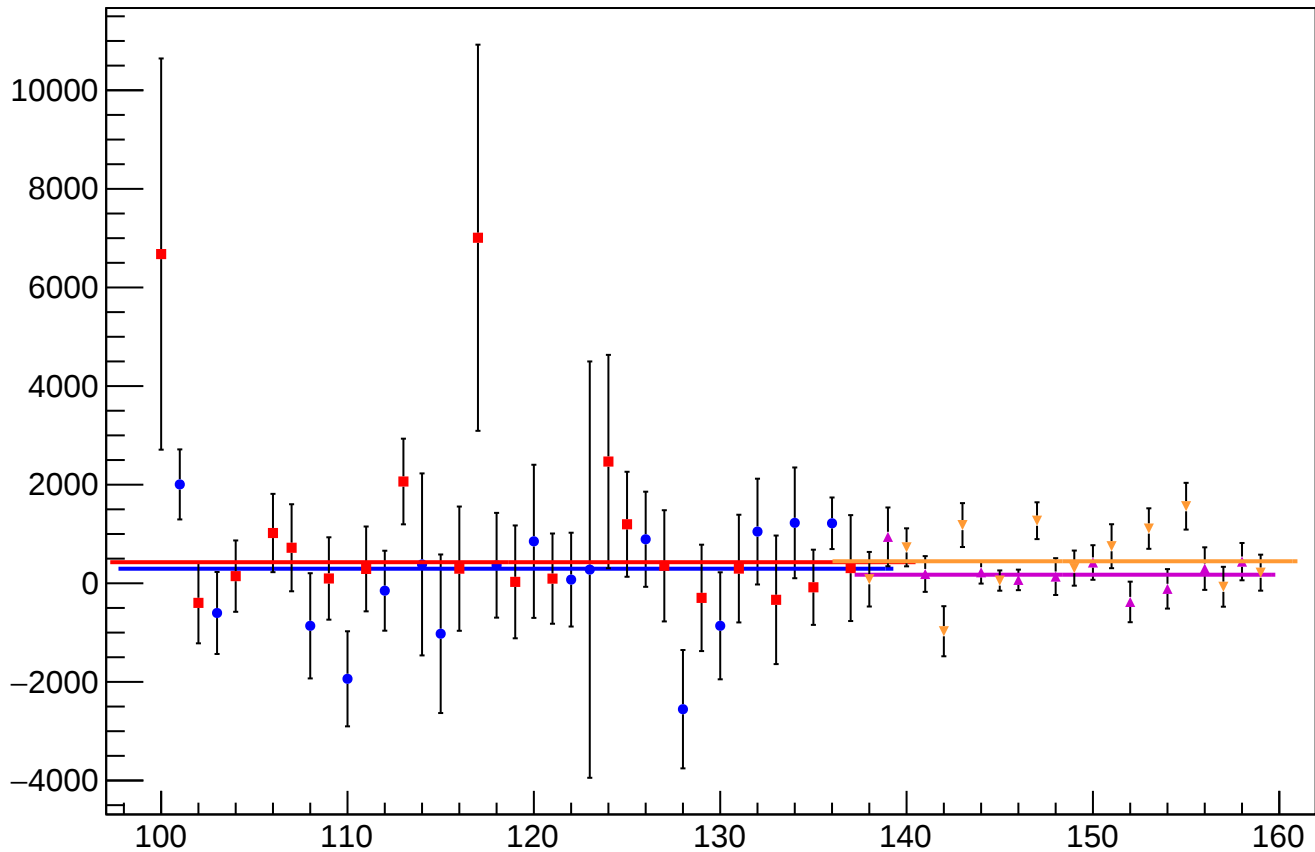
Right Out: 579.509+/-0.157 χ^2/NDF : 501132.1/19

Left In: 273.801+/-0.072 χ^2/NDF :1527194.8/9

350.451+/-0.068 χ^2/NDF : 4267686.0/28

326.635+/-0.065 χ^2/NDF : 5166762.1/29

asym_sam_37_dd_mean vs Slug



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 446.818 $\pm$ 107.445 χ^2 /NDF:30.8/11

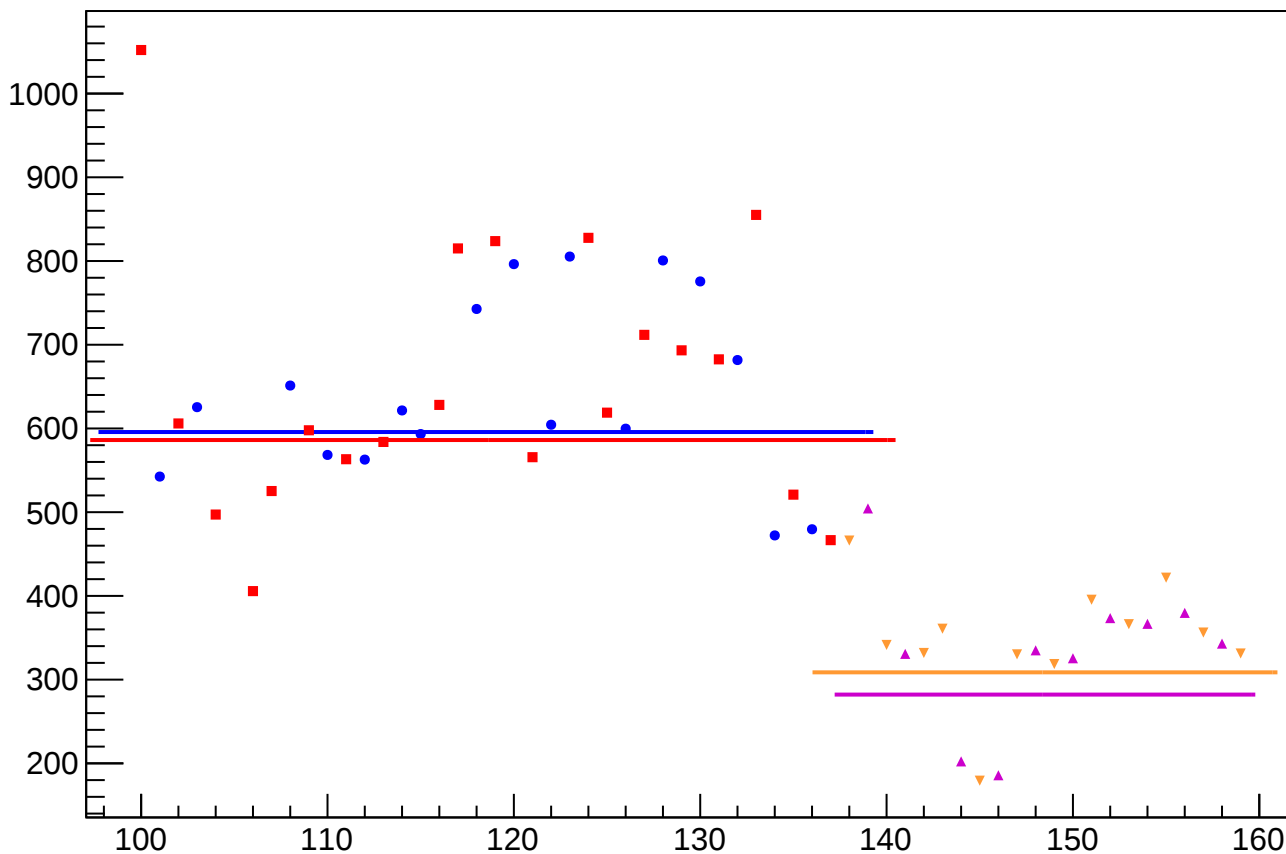
Right Out: 427.853 $\pm$ 224.485 χ^2 /NDF: 13.8/19

Left In: 173.917 $\pm$ 104.031 χ^2 /NDF:5.4/9

420.796 $\pm$ 97.777 χ^2 /NDF: 57.2/28

218.811 $\pm$ 94.388 χ^2 /NDF: 20.2/29

asym_sam_37_dd_rms vs Slug



Right In: 595.734+/-0.167 χ^2/NDF : 350058.2/16

Left Out: 308.703+/-0.076 χ^2/NDF : 1271450.2/11

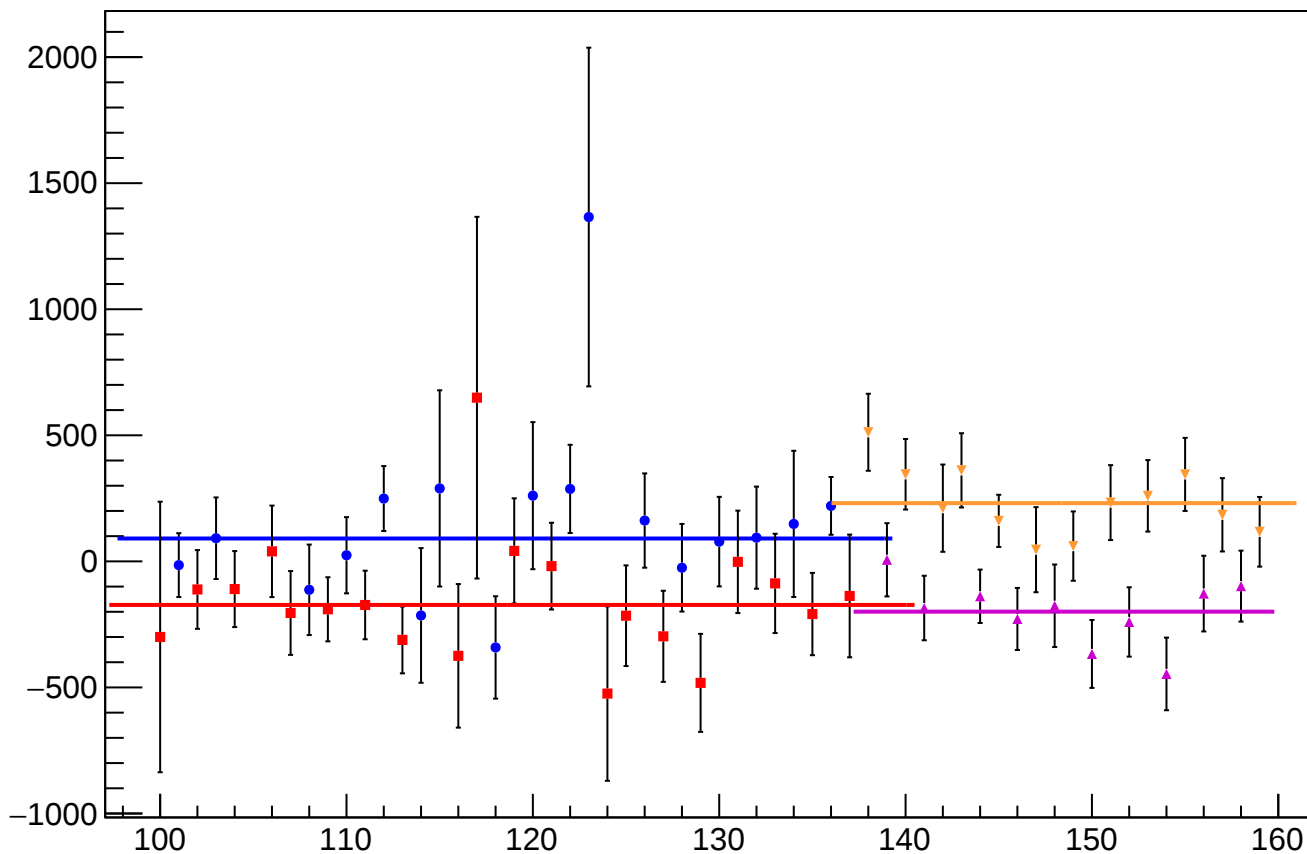
Right Out: 586.176+/-0.159 χ^2/NDF : 481325.4/19

Left In: 282.130+/-0.074 χ^2/NDF : 1398430.5/9

358.031+/-0.069 χ^2/NDF : 4074424.2/28

335.883+/-0.067 χ^2/NDF : 4900002.8/29

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 230.935+/-40.920 χ^2/NDF : 9.5/11

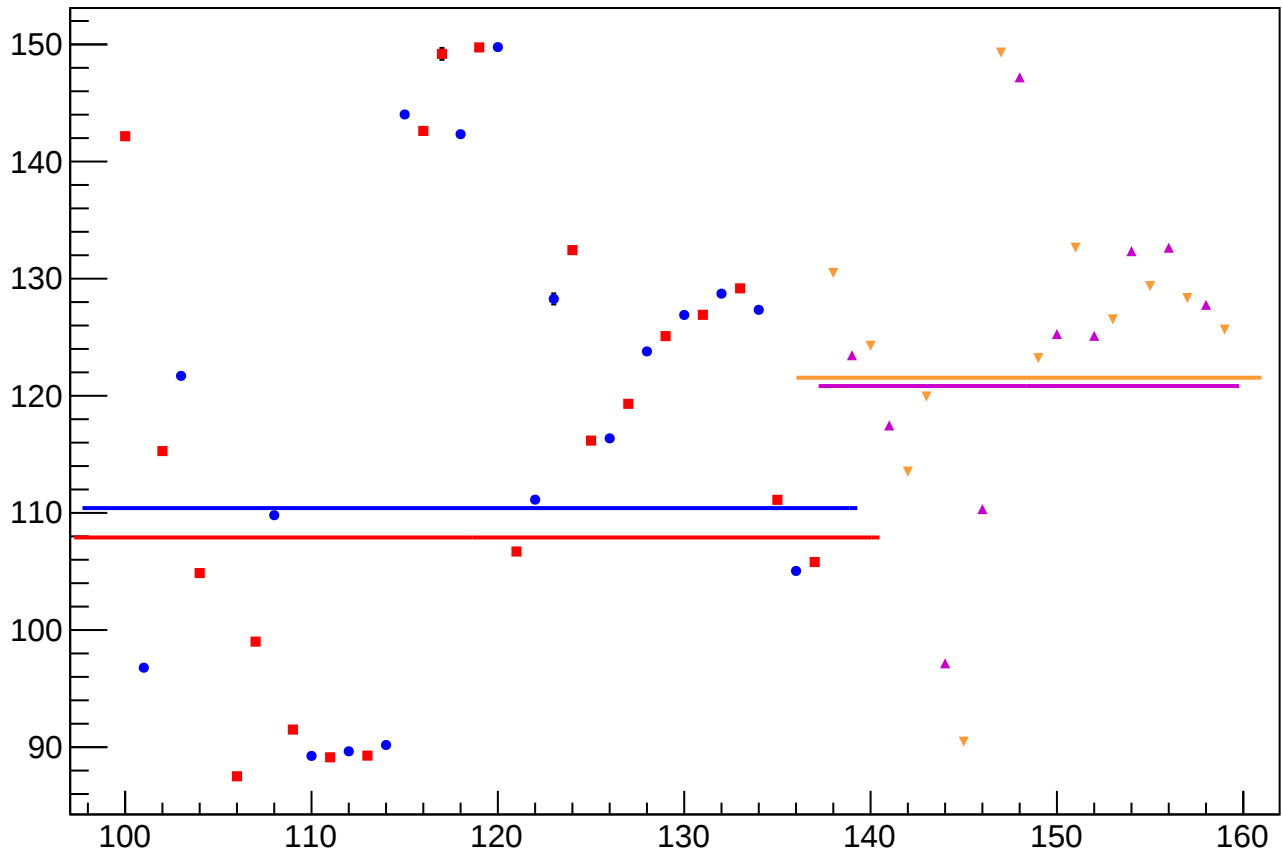
Right Out: -172.786+/-41.033 χ^2/NDF : 11.6/19

Left In: -199.401+/-42.562 χ^2/NDF : 7.7/9

164.802+/-29.745 χ^2/NDF : 31.9/28

-185.607+/-29.541 χ^2/NDF : 19.6/29

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411 ± 0.031 χ^2/NDF : 296425.4/16

Left Out: 121.542 ± 0.029 χ^2/NDF : 272657.5/11

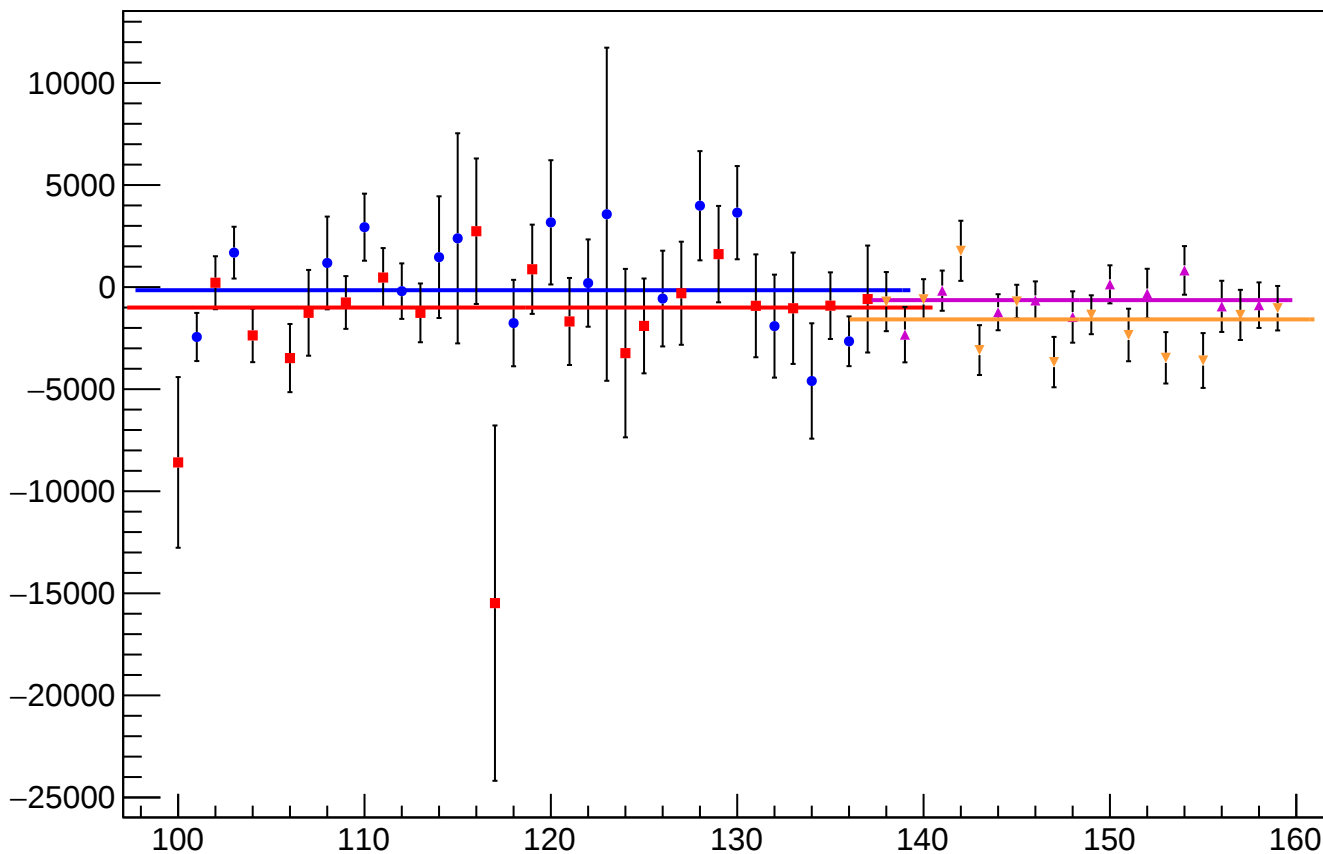
Right Out: 107.903 ± 0.029 χ^2/NDF : 351091.4/19

Left In: 120.832 ± 0.030 χ^2/NDF : 202618.3/9

116.293 ± 0.021 χ^2/NDF : 638878.7/28

114.131 ± 0.021 χ^2/NDF : 649353.9/29

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403 $\pm$ 464.753 χ^2 /NDF: 24.7/16

Left Out: -1581.624 $\pm$ 330.011 χ^2 /NDF: 17.3/11

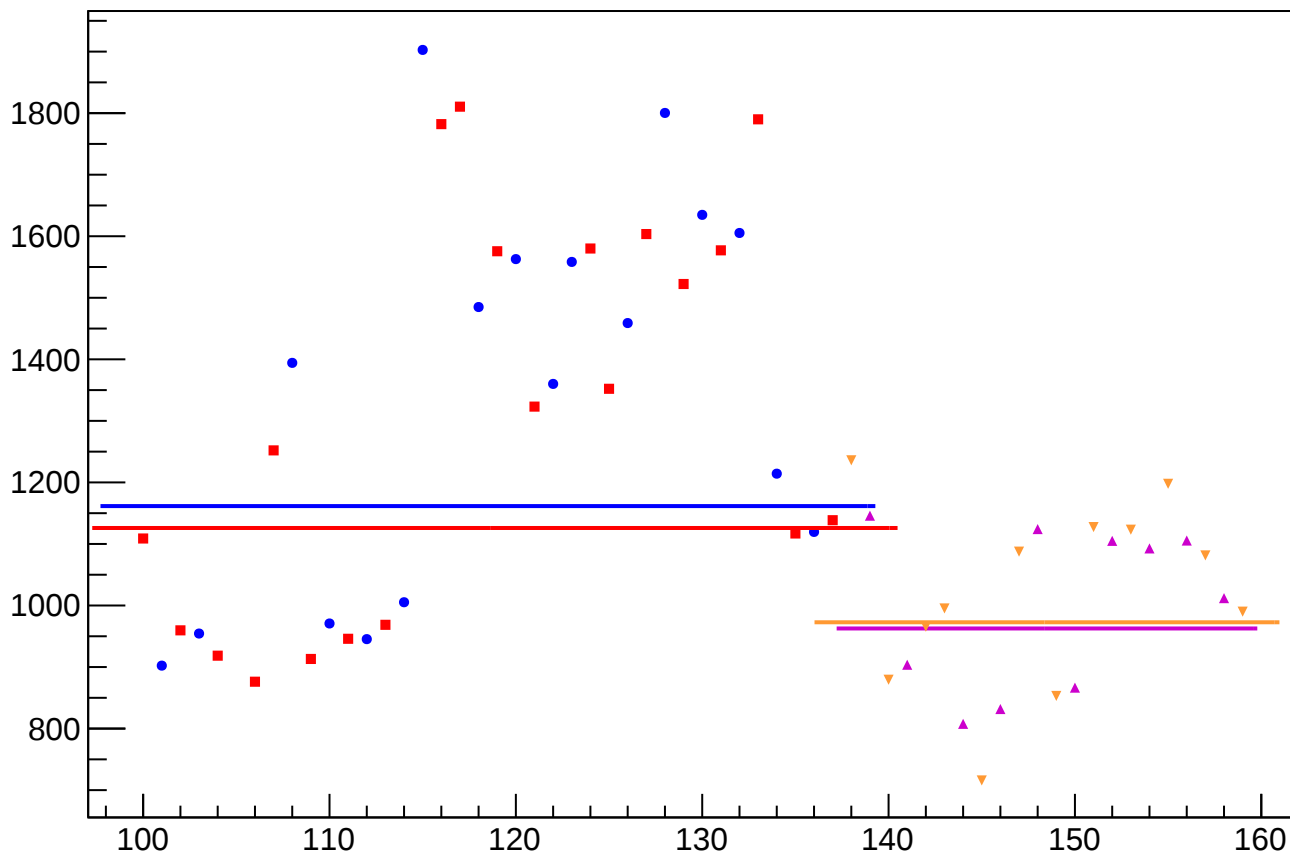
Right Out: -1000.907 $\pm$ 434.569 χ^2 /NDF: 15.1/19

Left In: -638.329 $\pm$ 340.854 χ^2 /NDF: 5.0/9

-1102.548 $\pm$ 269.075 χ^2 /NDF: 48.2/28

-776.429 $\pm$ 268.197 χ^2 /NDF: 20.5/29

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530 $\pm$ 0.329 χ^2 /NDF: 695906.9/16

Left Out: 972.734 $\pm$ 0.233 χ^2 /NDF: 460758.7/11

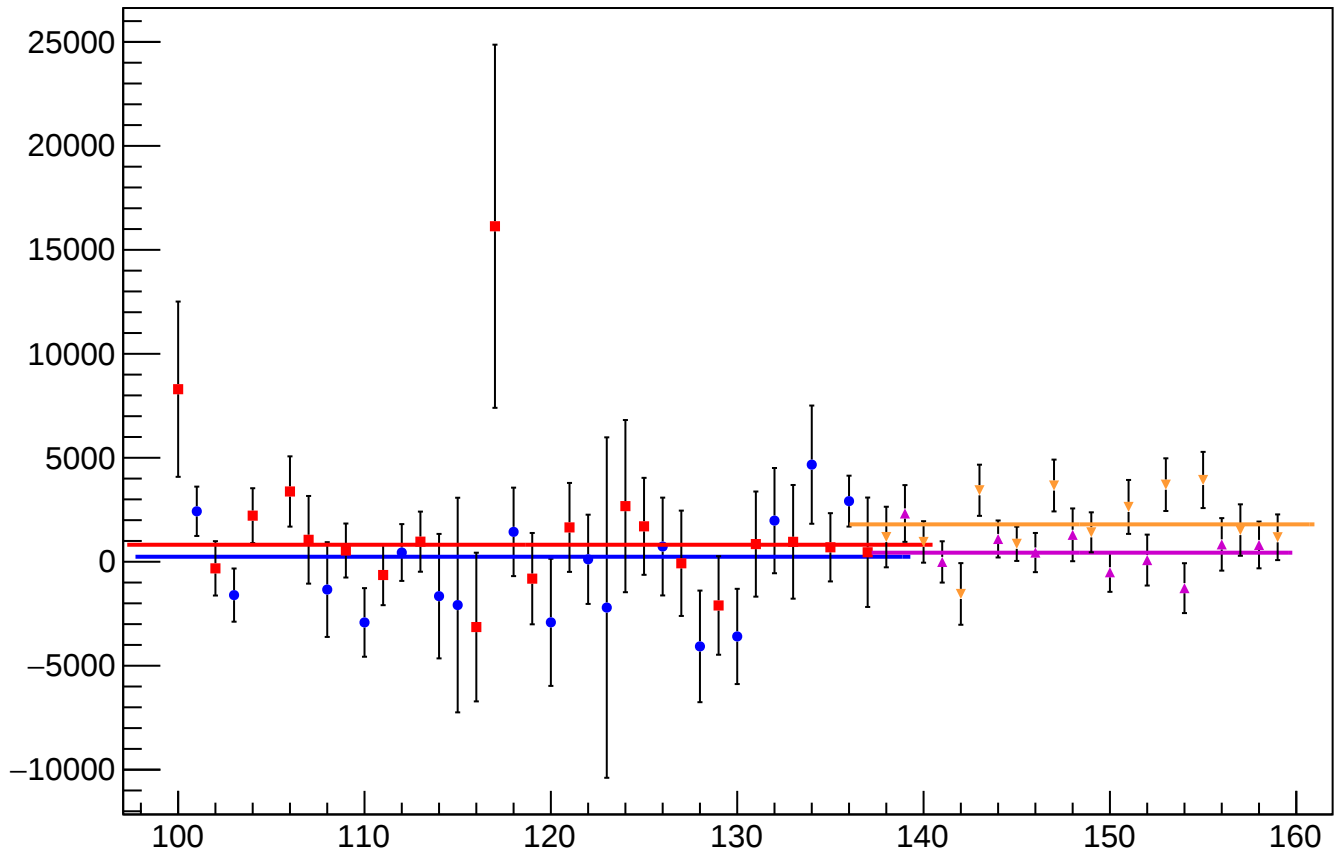
Right Out: 1125.946 $\pm$ 0.307 χ^2 /NDF: 780195.3/19

Left In: 962.667 $\pm$ 0.241 χ^2 /NDF: 279917.7/9

1036.019 $\pm$ 0.190 χ^2 /NDF: 1376079.5/28

1024.857 $\pm$ 0.190 χ^2 /NDF: 1234915.0/29

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1798.355 $\pm$ 332.684 χ^2 /NDF: 17.0/11

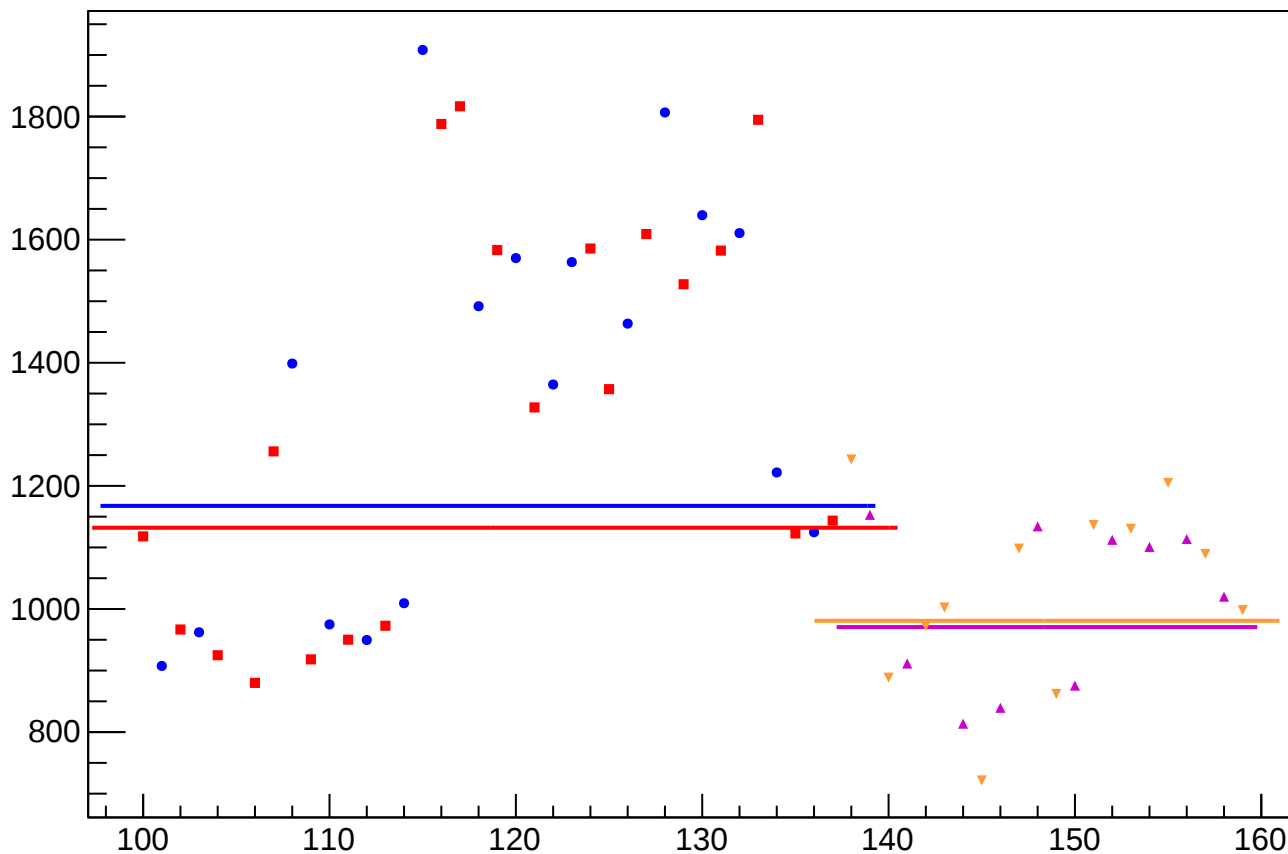
Right Out: 817.635 $\pm$ 436.939 χ^2 /NDF: 15.4/19

Left In: 435.677 $\pm$ 343.627 χ^2 /NDF: 6.4/9

1274.040 $\pm$ 270.967 χ^2 /NDF: 49.2/28

581.638 $\pm$ 270.105 χ^2 /NDF: 22.3/29

asym_sam_48_dd_rms vs Slug



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 980.814 $\pm$ 0.235 χ^2 /NDF: 456360.5/11

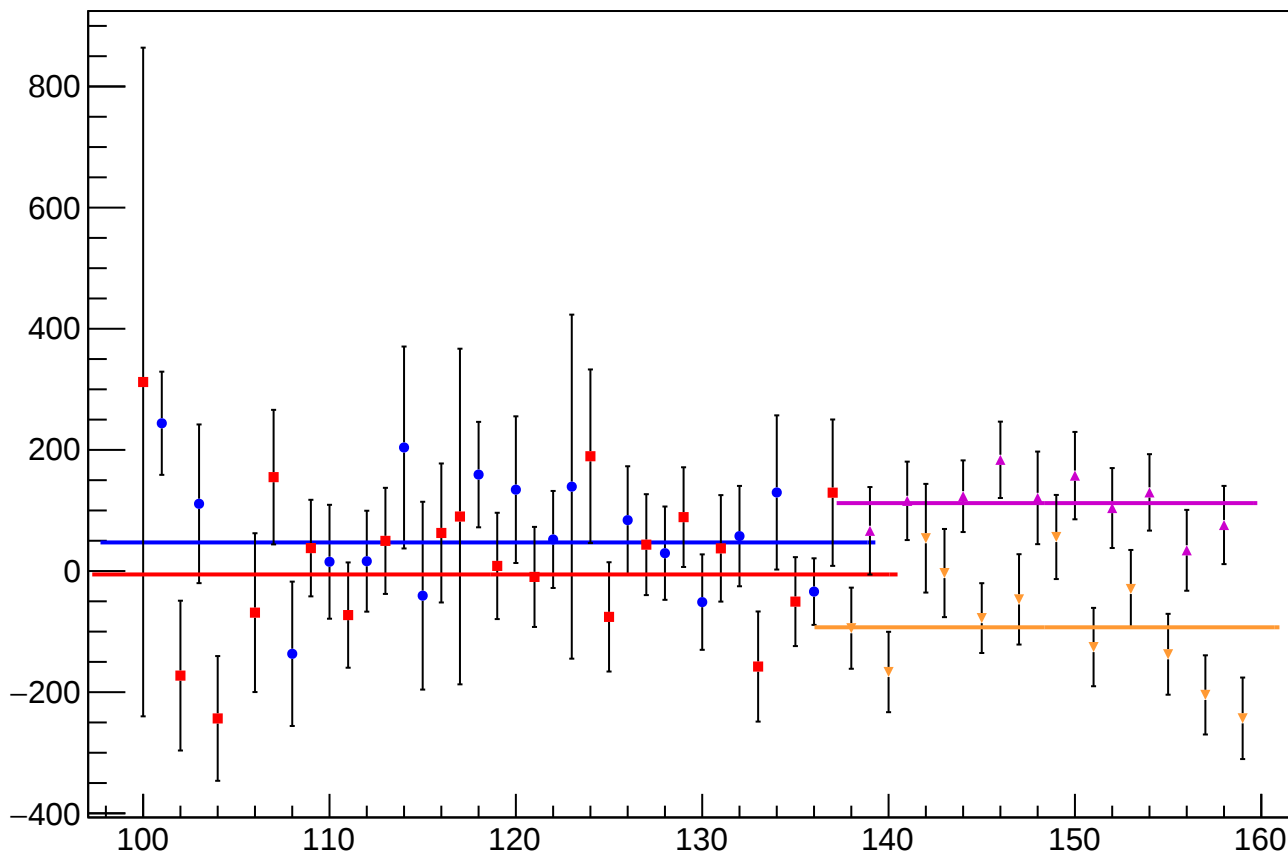
Right Out: 1132.019 $\pm$ 0.309 χ^2 /NDF: 773827.8/19

Left In: 970.654 $\pm$ 0.243 χ^2 /NDF: 277337.8/9

1043.668 $\pm$ 0.192 χ^2 /NDF: 1358926.2/28

1032.318 $\pm$ 0.191 χ^2 /NDF: 1219704.1/29

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 ± 22.565 $\chi^2/\text{NDF}: 16.1/16$

Left Out: -92.884 ± 19.573 $\chi^2/\text{NDF}: 20.1/11$

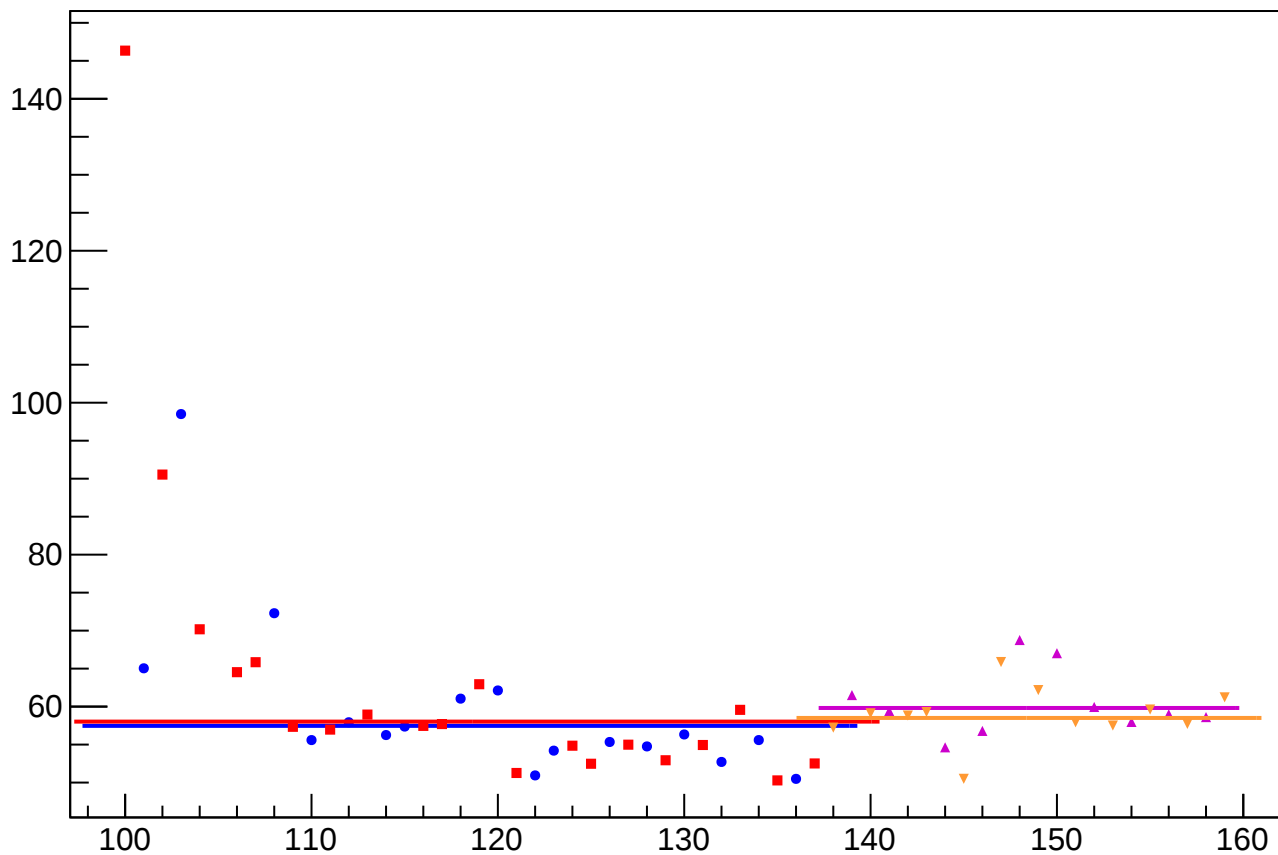
Right Out: -5.636 ± 22.057 $\chi^2/\text{NDF}: 20.4/19$

Left In: 112.143 ± 20.961 $\chi^2/\text{NDF}: 3.9/9$

-32.728 ± 14.786 $\chi^2/\text{NDF}: 58.2/28$

56.254 ± 15.194 $\chi^2/\text{NDF}: 39.3/29$

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 58.507 $\pm$ 0.014 χ^2 /NDF: 69577.6/11

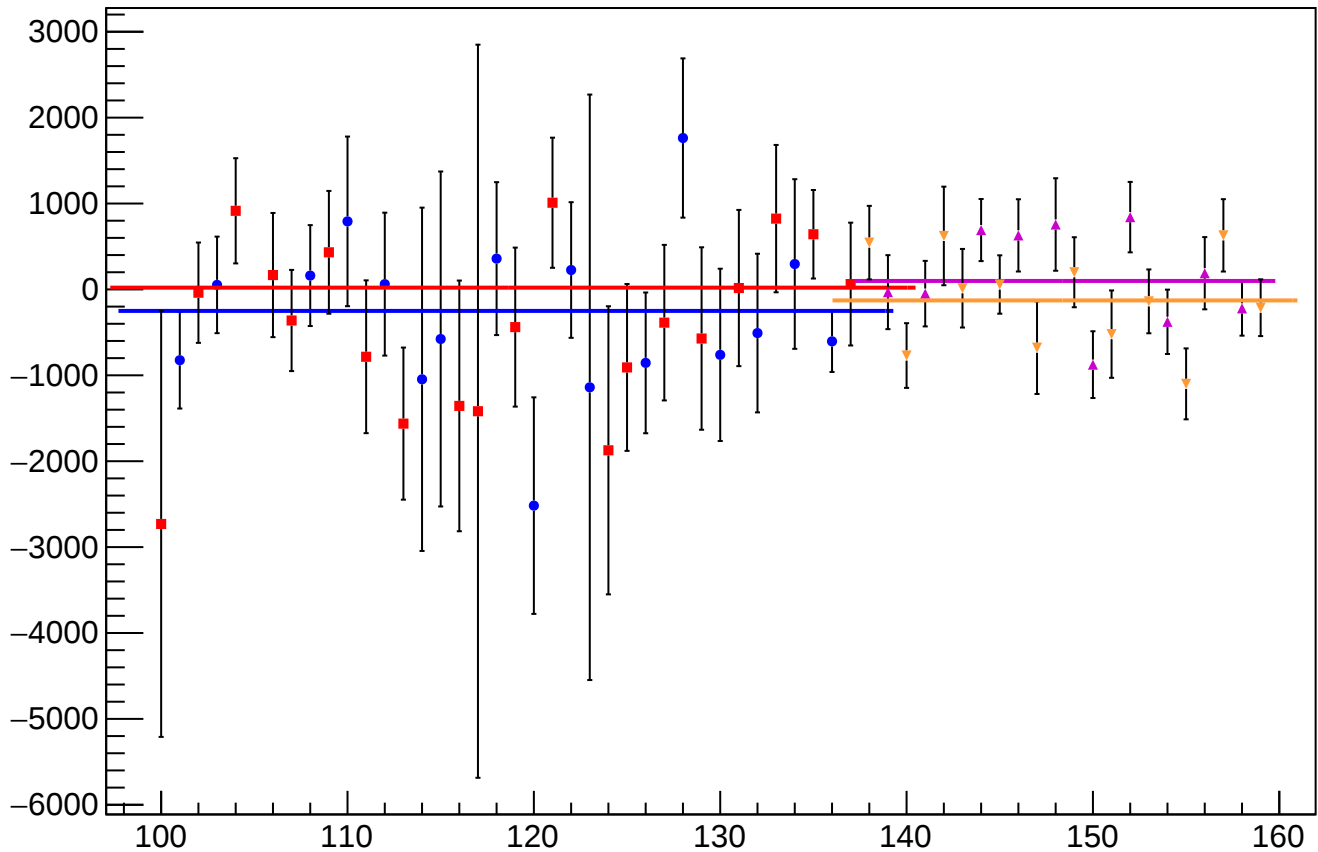
Right Out: 58.025 $\pm$ 0.016 χ^2 /NDF: 300790.9/19

Left In: 59.820 $\pm$ 0.015 χ^2 /NDF: 71168.9/9

58.060 $\pm$ 0.010 χ^2 /NDF: 379166.3/28

58.968 $\pm$ 0.011 χ^2 /NDF: 378917.9/29

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 $\pm$ 184.092 χ^2 /NDF: 14.3/16

Left Out: -128.095 $\pm$ 119.343 χ^2 /NDF: 18.6/11

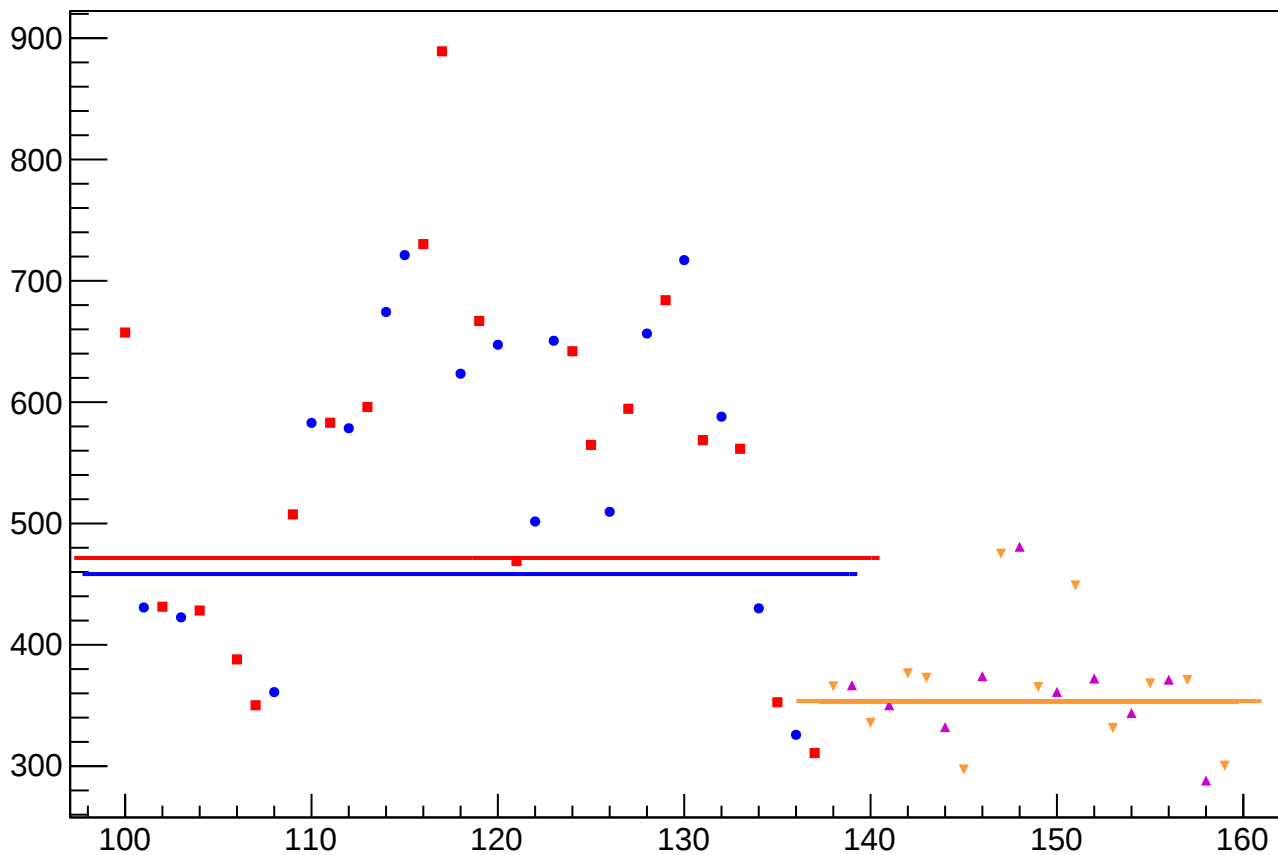
Right Out: 20.701 $\pm$ 181.669 χ^2 /NDF: 16.2/19

Left In: 98.754 $\pm$ 124.720 χ^2 /NDF: 18.2/9

-164.209 $\pm$ 100.141 χ^2 /NDF: 33.2/28

73.751 $\pm$ 102.822 χ^2 /NDF: 34.6/29

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324 ± 0.130 χ^2/NDF : 877201.7/16

Left Out: 353.690 ± 0.084 χ^2/NDF : 306398.1/11

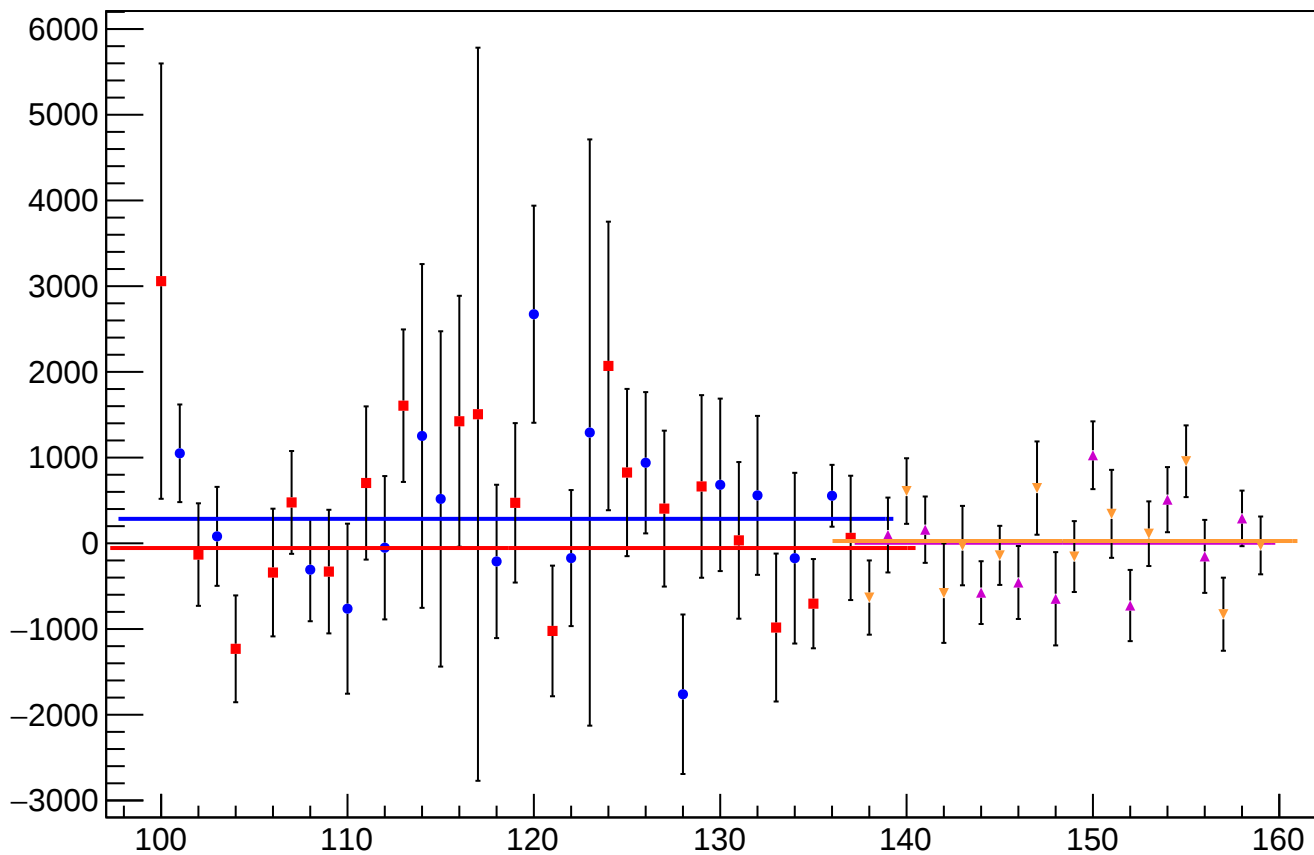
Right Out: 471.585 ± 0.128 χ^2/NDF : 797816.0/19

Left In: 353.326 ± 0.088 χ^2/NDF : 220271.4/9

384.652 ± 0.071 χ^2/NDF : 1638526.4/28

391.209 ± 0.073 χ^2/NDF : 1594099.0/29

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 $\pm$ 186.262 χ^2 /NDF: 15.2/16

Left Out: 26.783 $\pm$ 121.044 χ^2 /NDF: 16.9/11

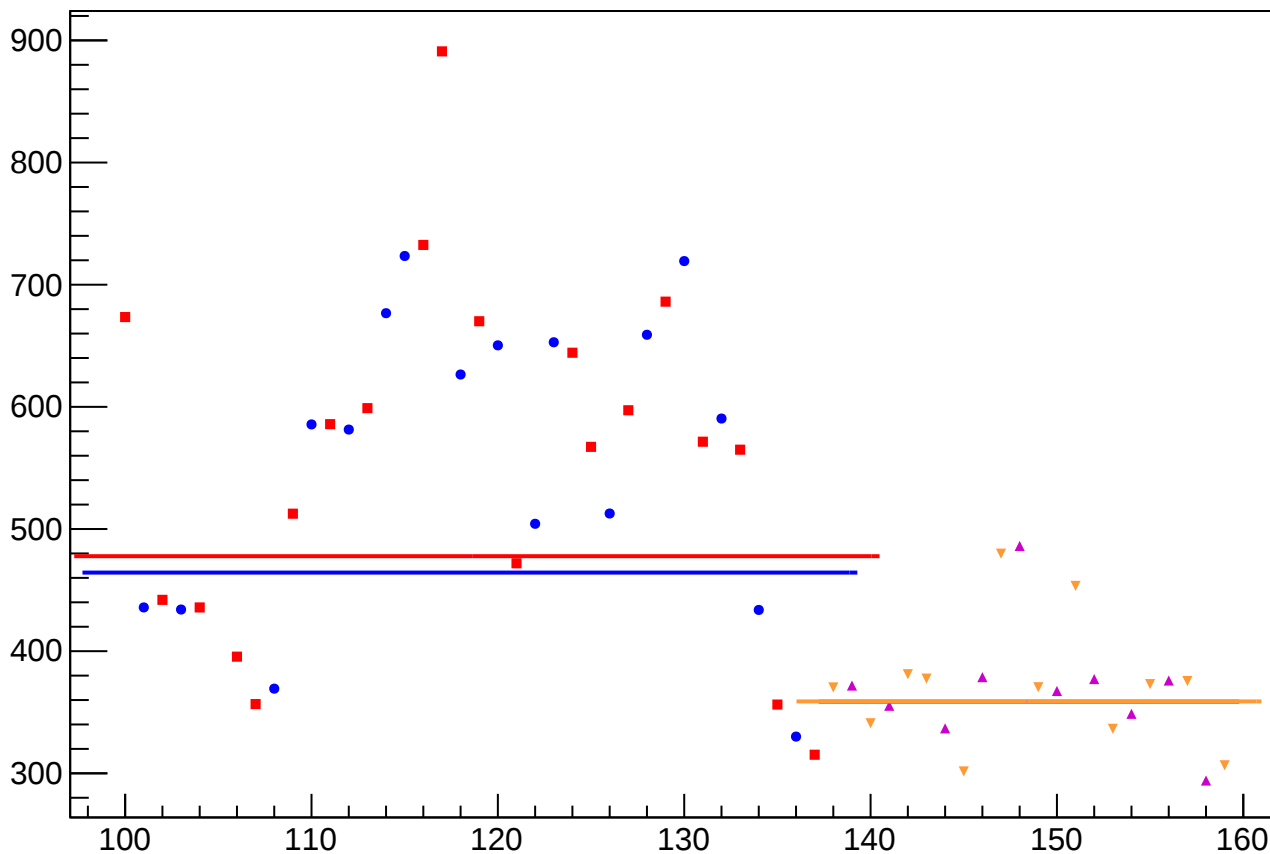
Right Out: -55.109 $\pm$ 183.903 χ^2 /NDF: 19.3/19

Left In: 6.270 $\pm$ 126.564 χ^2 /NDF: 17.8/9

103.557 $\pm$ 101.495 χ^2 /NDF: 33.4/28

-13.457 $\pm$ 104.260 χ^2 /NDF: 37.2/29

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341+/-0.132 χ^2/NDF : 845900.9/16

Left Out: 358.873+/-0.086 χ^2/NDF : 296018.9/11

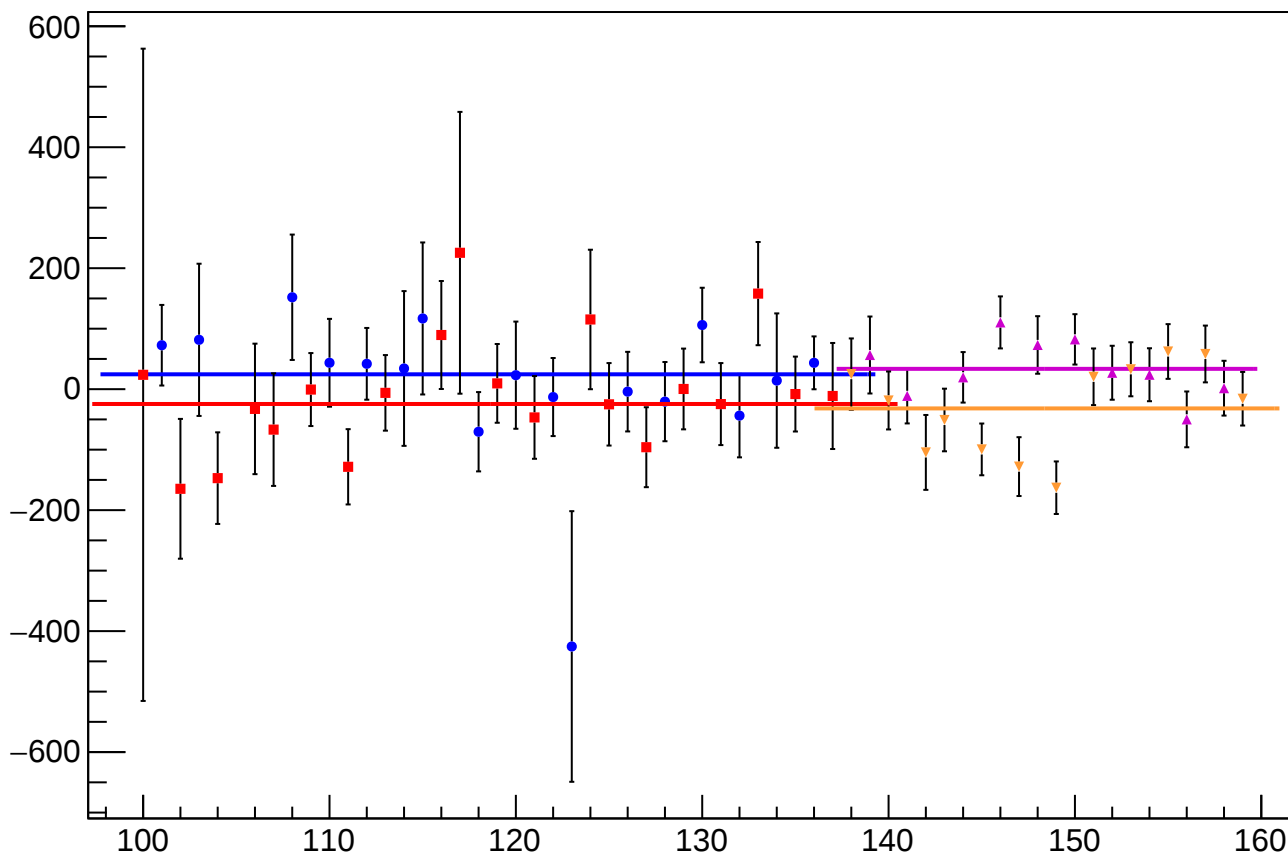
Right Out: 477.754+/-0.130 χ^2/NDF : 768041.0/19

Left In: 358.679+/-0.089 χ^2/NDF : 212278.0/9

390.188+/-0.072 χ^2/NDF : 1592766.3/28

396.951+/-0.074 χ^2/NDF : 1549306.7/29

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 $\pm$ 17.839 χ^2 /NDF: 13.0/16

Left Out: -31.812 $\pm$ 13.780 χ^2 /NDF: 29.5/11

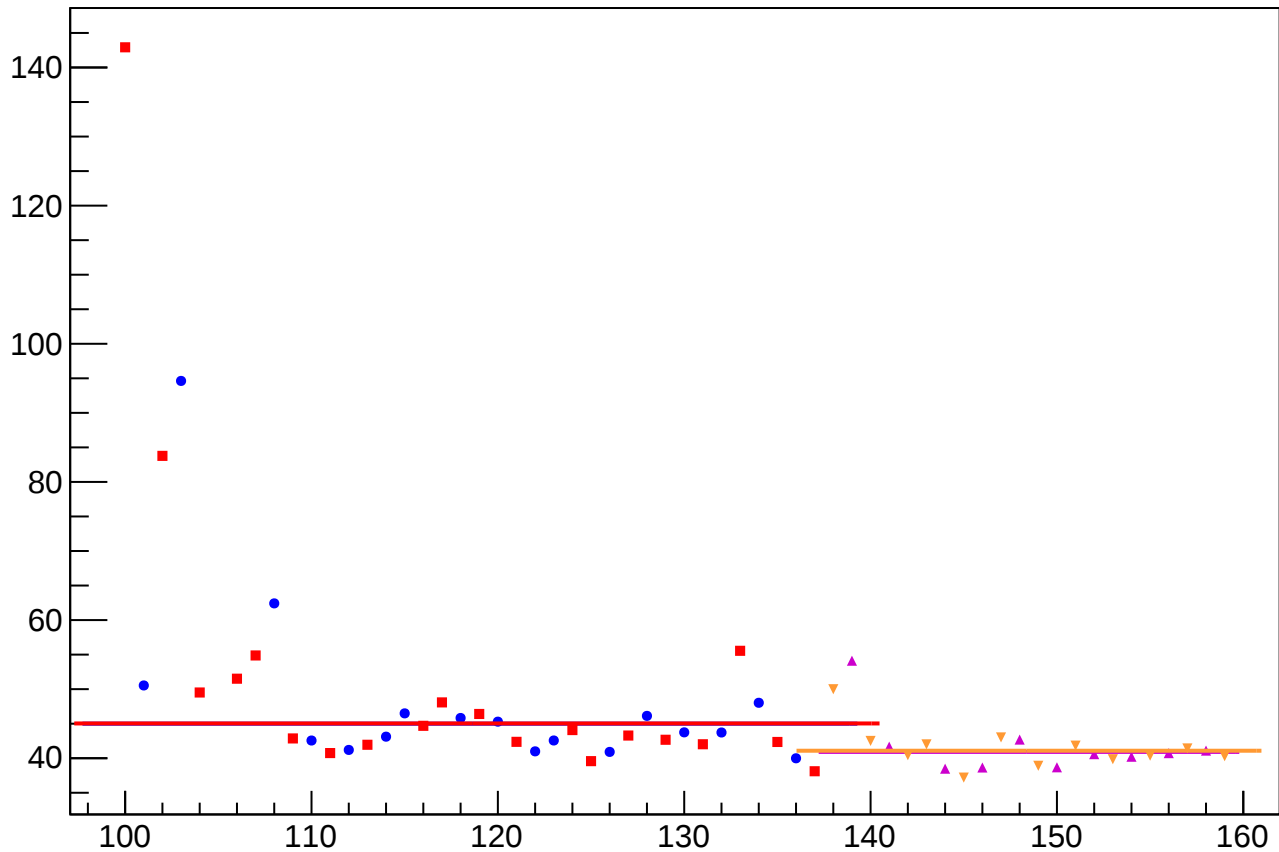
Right Out: -24.491 $\pm$ 17.338 χ^2 /NDF: 18.0/19

Left In: 33.603 $\pm$ 14.368 χ^2 /NDF: 10.3/9

-10.735 $\pm$ 10.906 χ^2 /NDF: 48.8/28

9.951 $\pm$ 11.063 χ^2 /NDF: 34.9/29

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 41.086 $\pm$ 0.010 χ^2 /NDF: 76113.6/11

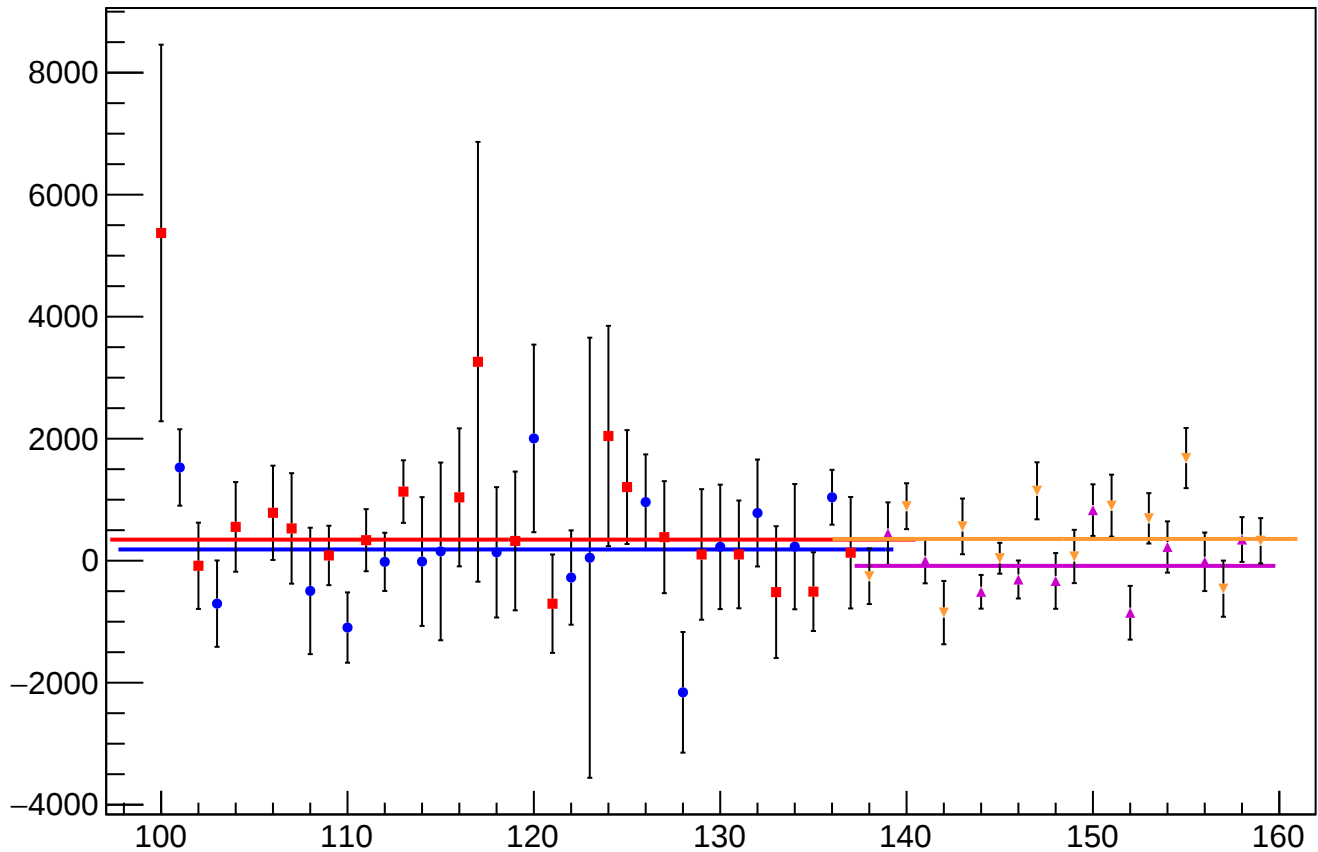
Right Out: 45.034 $\pm$ 0.012 χ^2 /NDF: 415853.3/19

Left In: 40.915 $\pm$ 0.010 χ^2 /NDF: 108207.3/9

42.549 $\pm$ 0.008 χ^2 /NDF: 574807.8/28

42.592 $\pm$ 0.008 χ^2 /NDF: 590990.5/29

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 356.504 ± 118.155 χ^2/NDF : 26.5/11

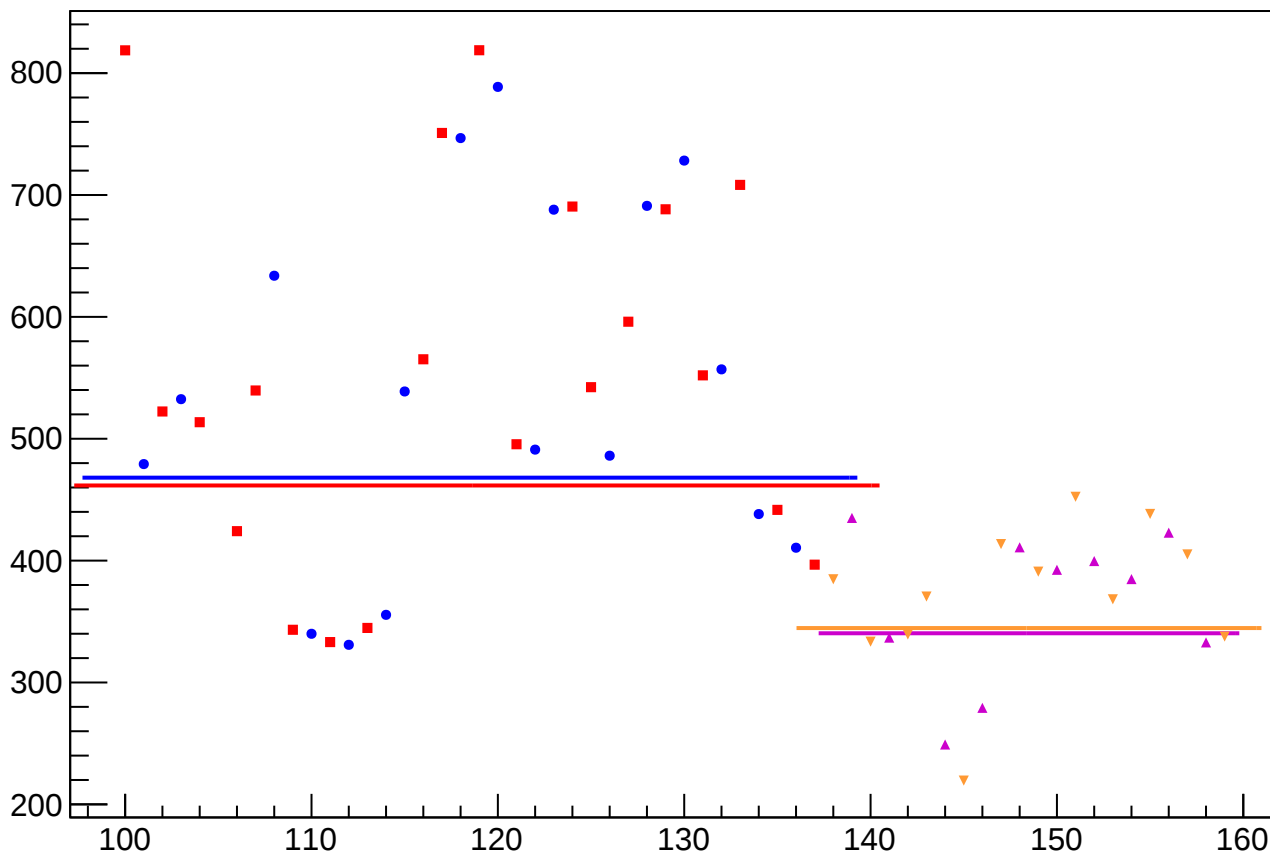
Right Out: 345.548 ± 179.160 χ^2/NDF : 13.1/19

Left In: -85.180 ± 121.640 χ^2/NDF : 14.0/9

307.919 ± 100.122 χ^2/NDF : 51.3/28

50.725 ± 100.637 χ^2/NDF : 31.1/29

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071 $\pm$ 0.133 χ^2 /NDF: 880319.3/16

Left Out: 344.660 $\pm$ 0.084 χ^2 /NDF: 782092.5/11

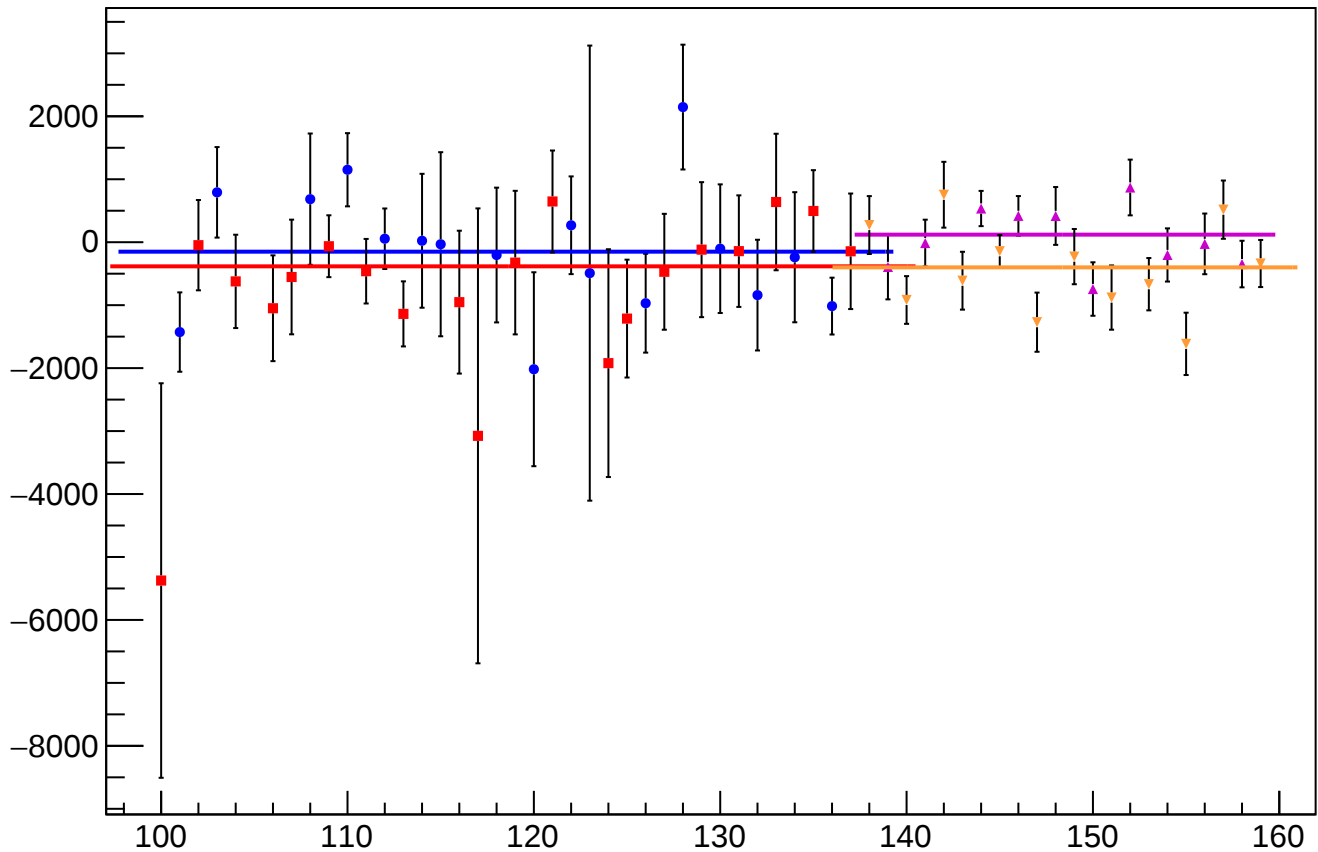
Right Out: 461.656 $\pm$ 0.127 χ^2 /NDF: 967939.5/19

Left In: 340.383 $\pm$ 0.086 χ^2 /NDF: 560674.7/9

379.456 $\pm$ 0.071 χ^2 /NDF: 2277597.5/28

378.648 $\pm$ 0.071 χ^2 /NDF: 2155852.2/29

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305+/-189.729 χ^2/NDF : 24.2/16

Left Out: -399.660+/-119.106 χ^2/NDF : 24.9/11

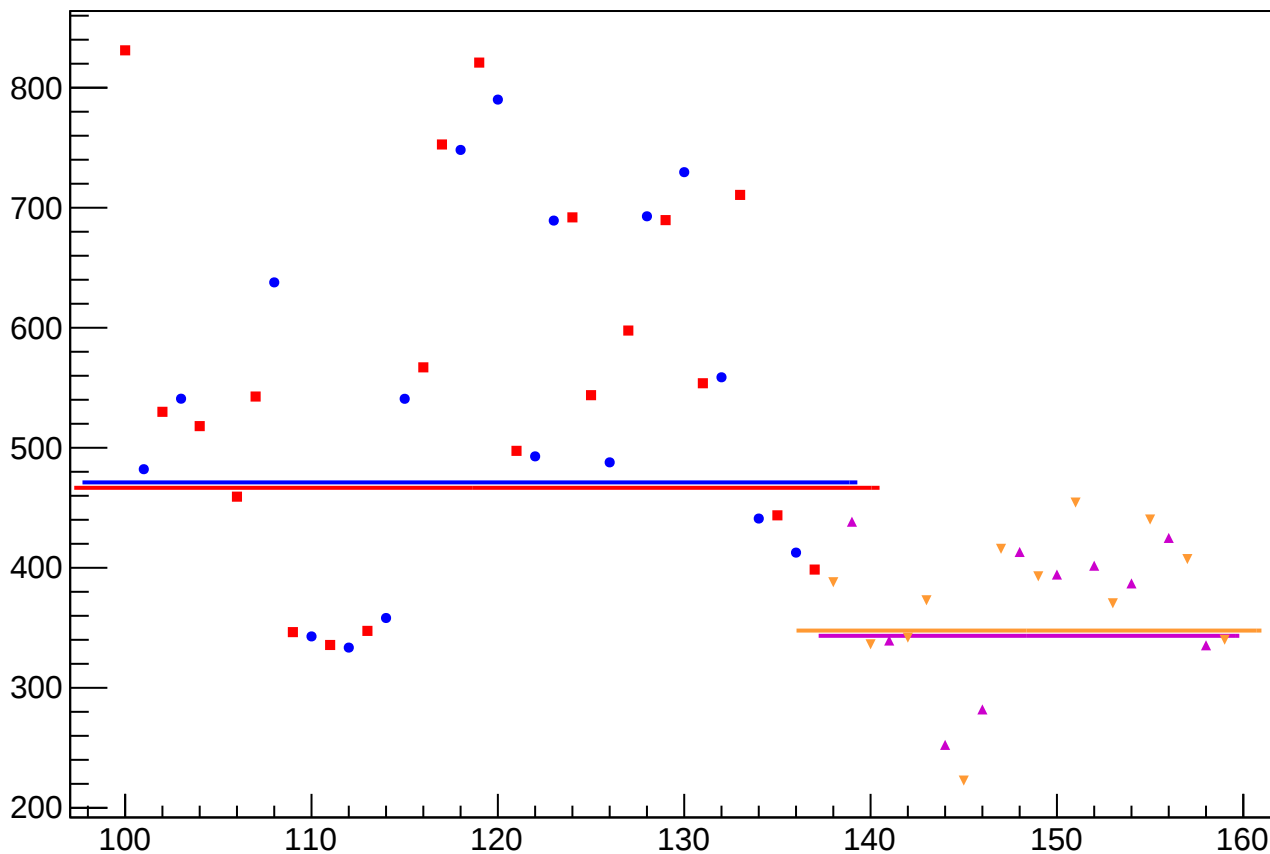
Right Out: -383.331+/-181.030 χ^2/NDF : 13.0/19

Left In: 120.198+/-122.616 χ^2/NDF : 13.9/9

-329.170+/-100.876 χ^2/NDF : 50.4/28

-38.157+/-101.521 χ^2/NDF : 32.2/29

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156 $\pm$ 0.134 χ^2 /NDF: 871832.5/16

Left Out: 347.701 $\pm$ 0.084 χ^2 /NDF: 757320.7/11

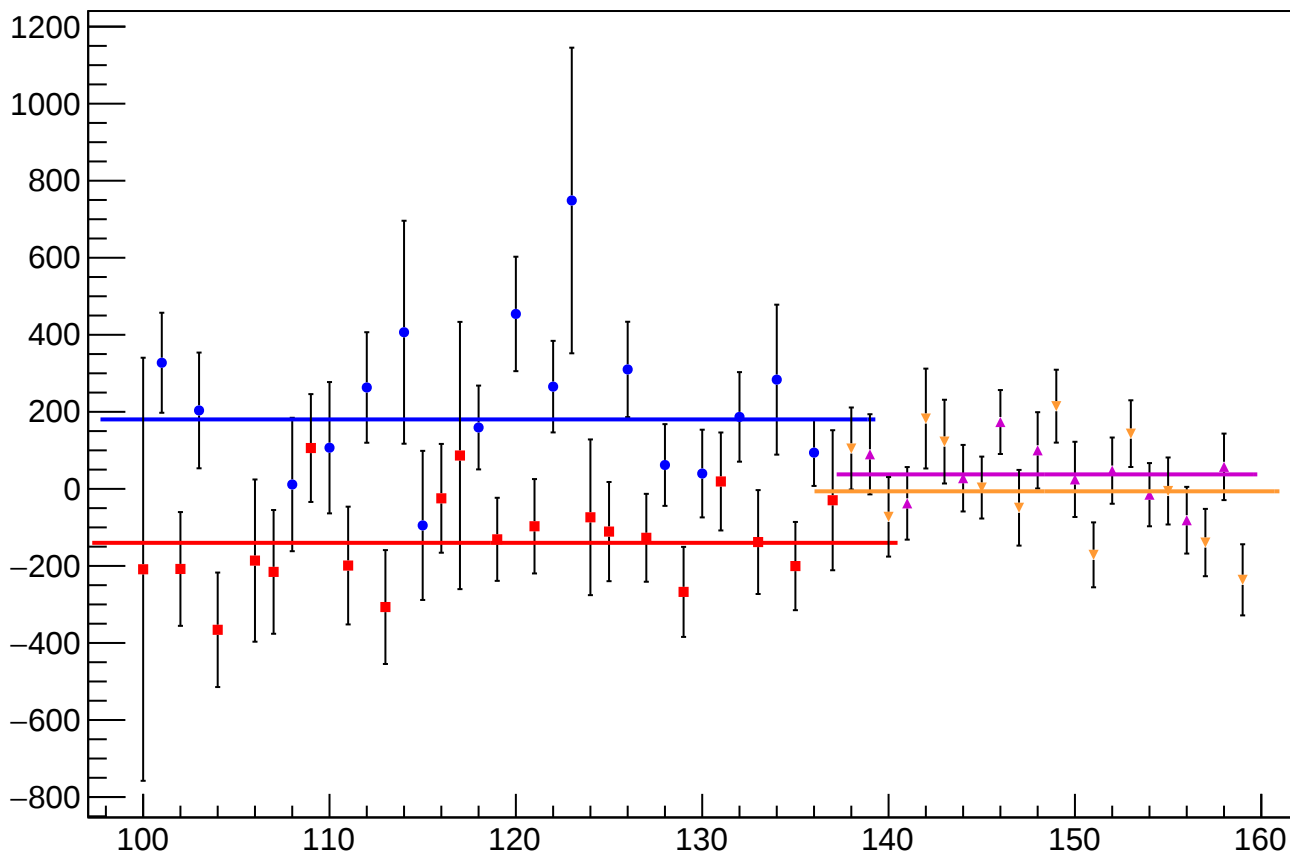
Right Out: 466.655 $\pm$ 0.128 χ^2 /NDF: 953088.6/19

Left In: 343.327 $\pm$ 0.087 χ^2 /NDF: 544713.8/9

382.601 $\pm$ 0.071 χ^2 /NDF: 2236568.0/28

382.112 $\pm$ 0.072 χ^2 /NDF: 2134112.6/29

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: -6.322 $\pm$ 27.209 χ^2 /NDF: 26.0/11

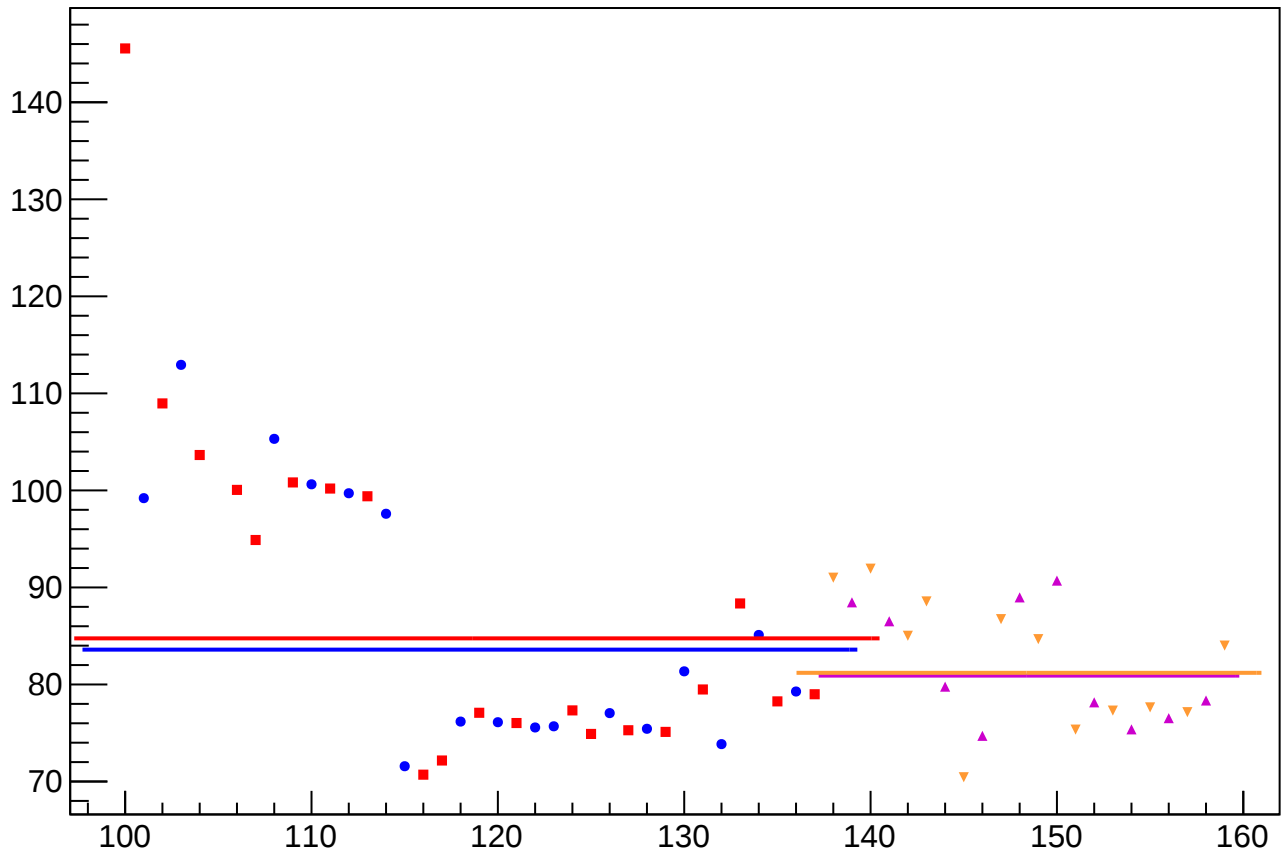
Right Out: -140.070 $\pm$ 32.198 χ^2 /NDF: 12.1/19

Left In: 37.624 $\pm$ 28.370 χ^2 /NDF: 6.4/9

69.847 $\pm$ 20.933 χ^2 /NDF: 61.8/28

-40.036 $\pm$ 21.286 χ^2 /NDF: 35.6/29

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591+/-0.023 χ^2/NDF : 255921.7/16

Left Out: 81.201+/-0.019 χ^2/NDF : 117549.2/11

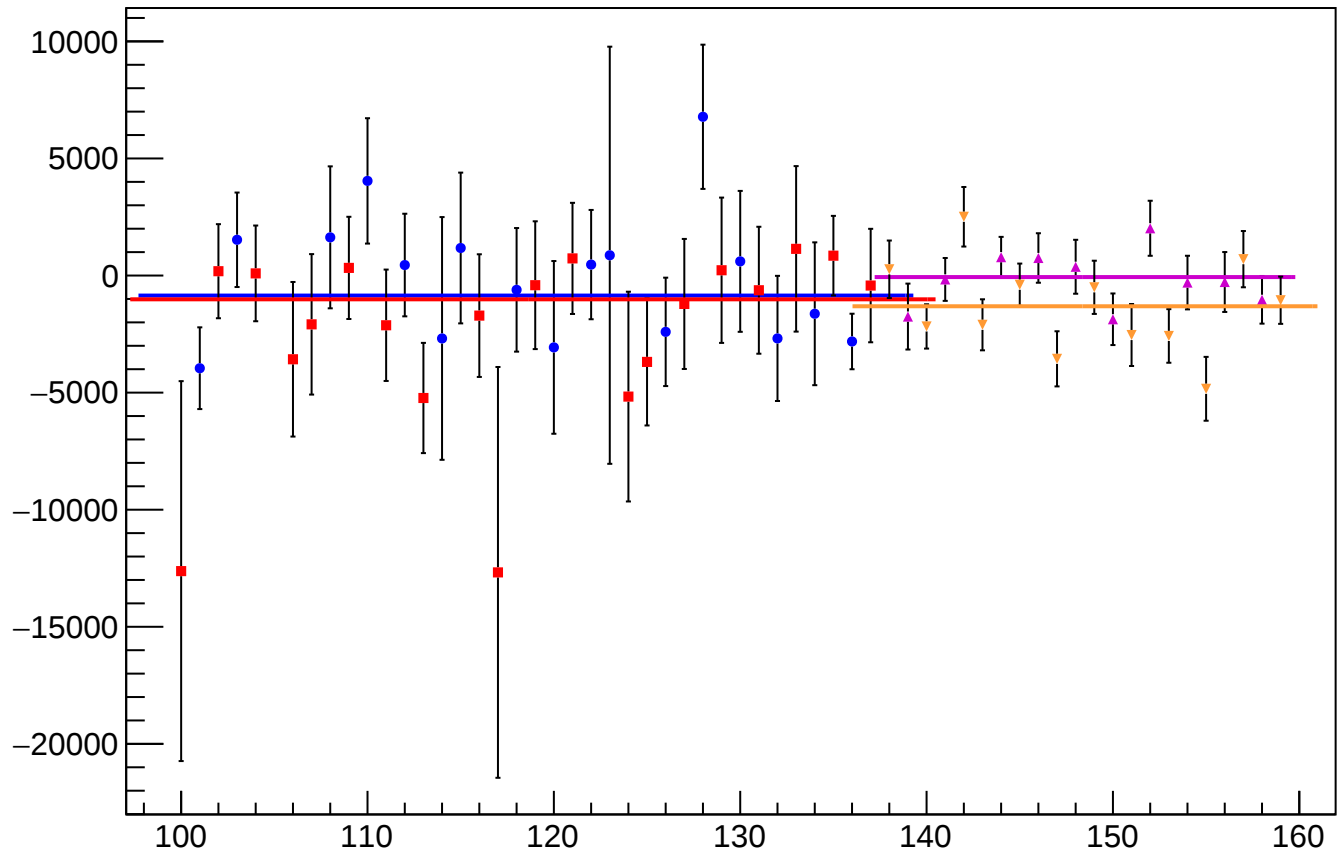
Right Out: 84.752+/-0.023 χ^2/NDF : 293262.6/19

Left In: 80.914+/-0.020 χ^2/NDF : 80553.0/9

82.176+/-0.015 χ^2/NDF : 379765.5/28

82.591+/-0.015 χ^2/NDF : 389812.3/29

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308+/-583.290 χ^2/NDF : 20.3/16

Left Out: -1312.017+/-324.255 χ^2/NDF : 28.9/11

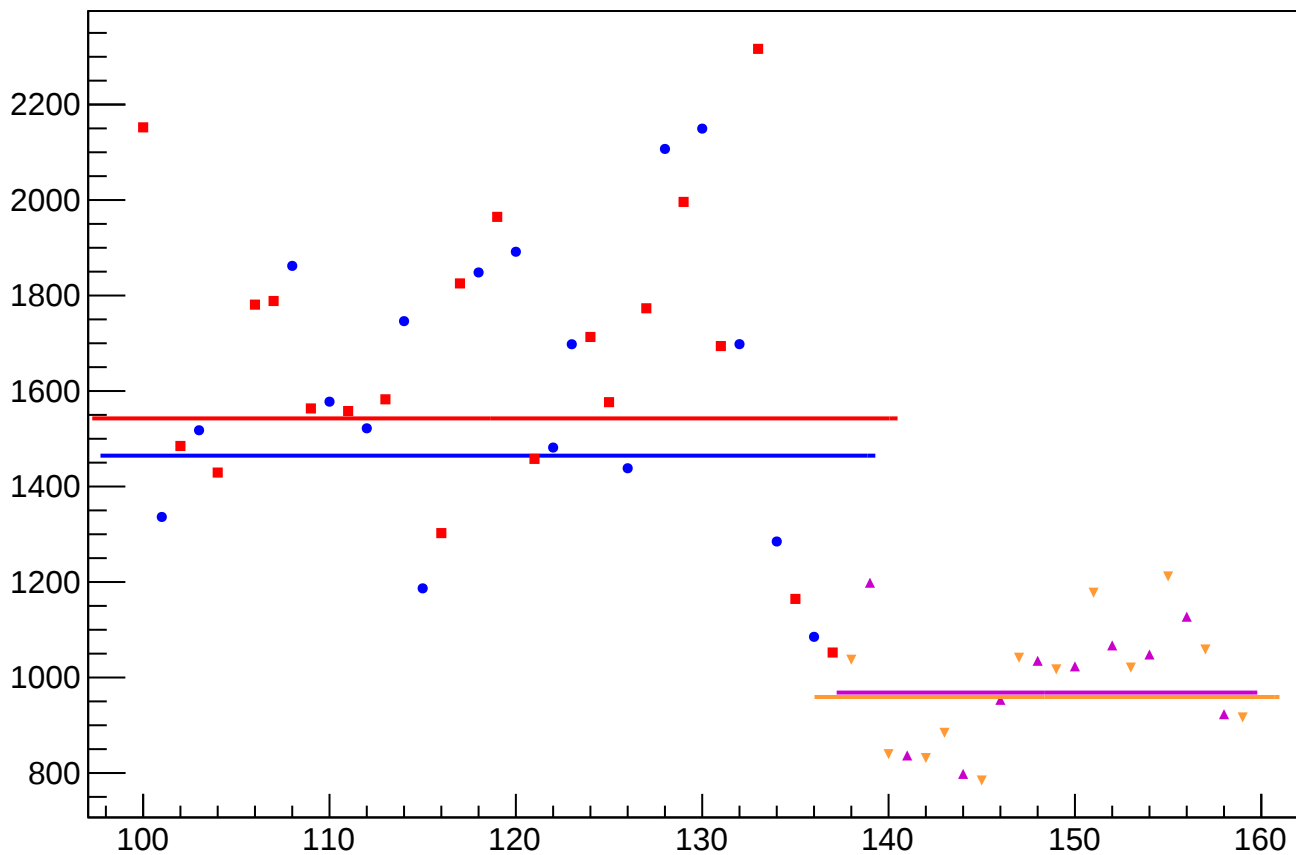
Right Out: -1015.523+/-587.747 χ^2/NDF : 13.3/19

Left In: -65.256+/-341.655 χ^2/NDF : 10.0/9

-1204.198+/-283.408 χ^2/NDF : 49.6/28

-305.258+/-295.376 χ^2/NDF : 25.2/29

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 959.191 $\pm$ 0.229 χ^2 /NDF: 305929.5/11

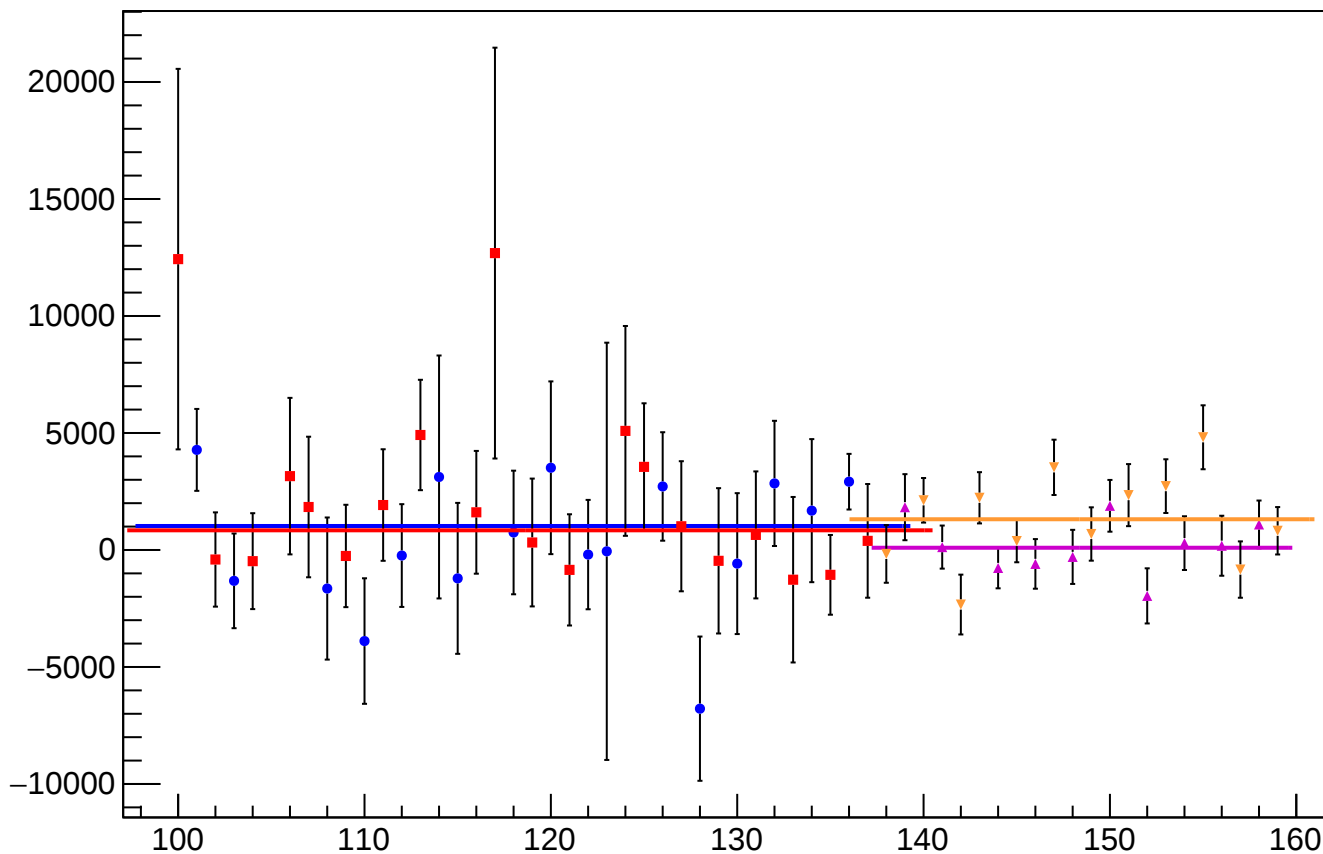
Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

Left In: 968.477 $\pm$ 0.242 χ^2 /NDF: 242839.1/9

1078.515 $\pm$ 0.200 χ^2 /NDF: 2014040.0/28

1113.495 $\pm$ 0.209 χ^2 /NDF: 2125325.5/29

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527 $\pm$ 584.500 χ^2 /NDF: 20.9/16

Left Out: 1313.280 $\pm$ 325.556 χ^2 /NDF: 28.0/11

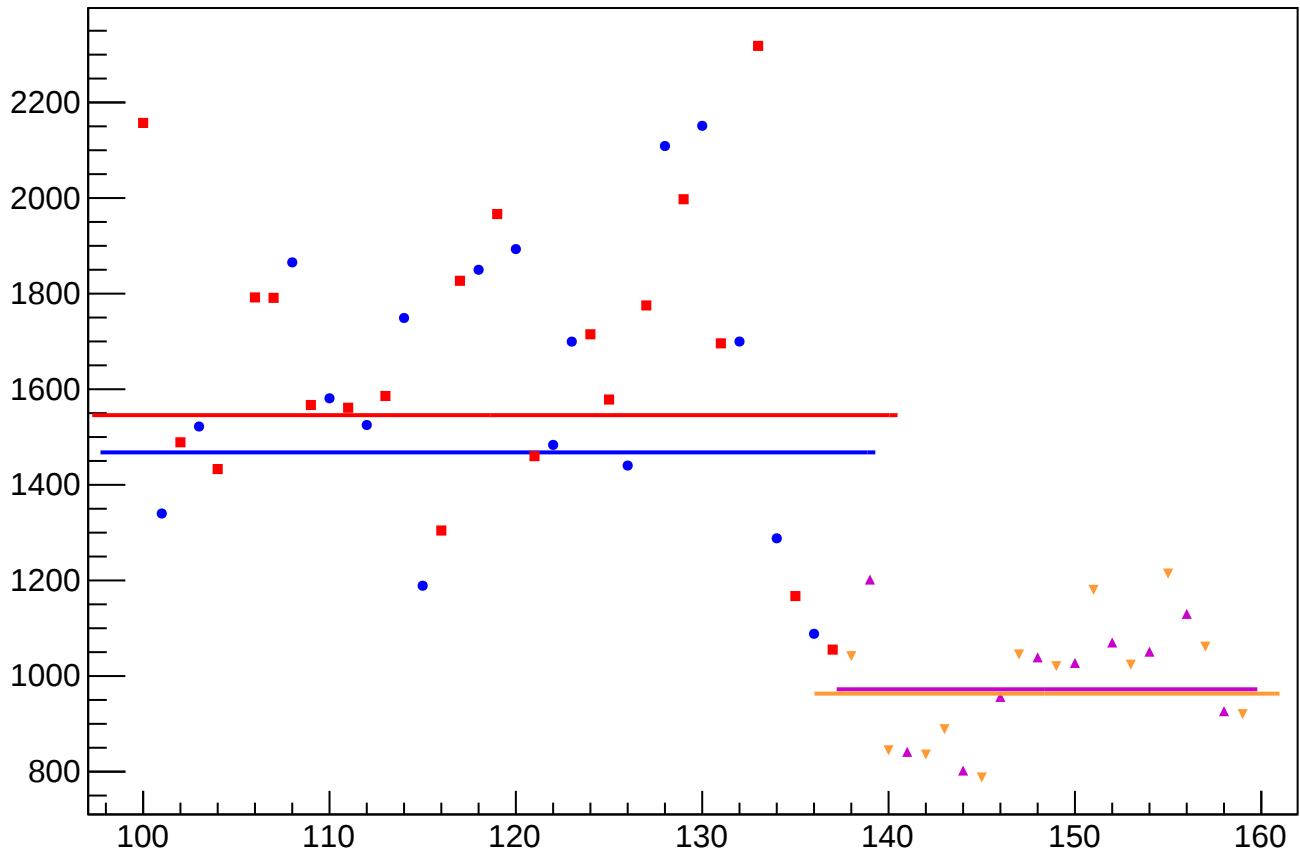
Right Out: 840.586 $\pm$ 589.057 χ^2 /NDF: 13.0/19

Left In: 95.634 $\pm$ 342.960 χ^2 /NDF: 9.7/9

1245.147 $\pm$ 284.415 χ^2 /NDF: 49.1/28

284.227 $\pm$ 296.385 χ^2 /NDF: 23.9/29

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 963.222+/-0.230 χ^2/NDF : 301337.1/11

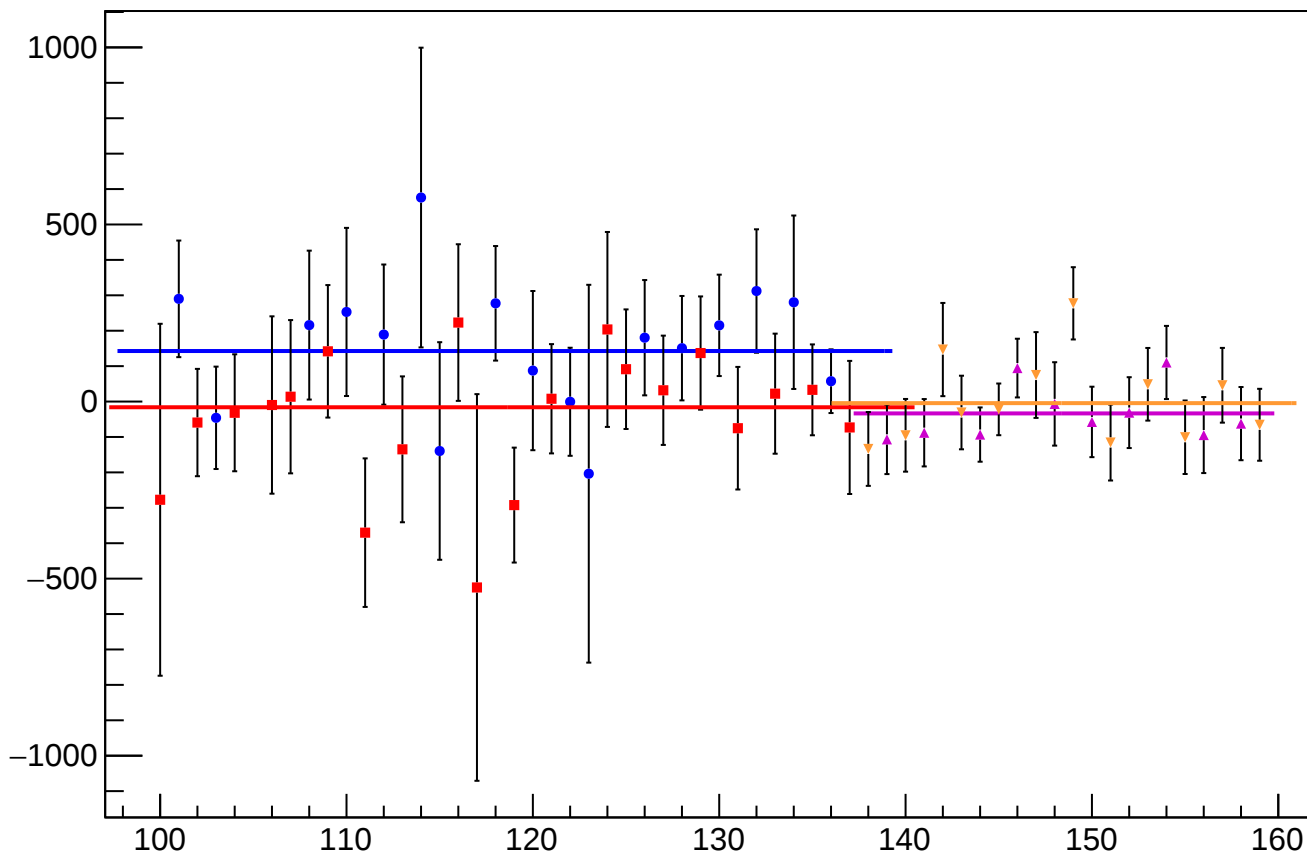
Right Out: 1545.785+/-0.417 χ^2/NDF : 453865.6/19

Left In: 972.318+/-0.243 χ^2/NDF : 239150.8/9

1082.719+/-0.201 χ^2/NDF : 1996820.4/28

1117.498+/-0.210 χ^2/NDF : 2108674.1/29

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -4.454 $\pm$ 29.478 χ^2 /NDF:14.6/11

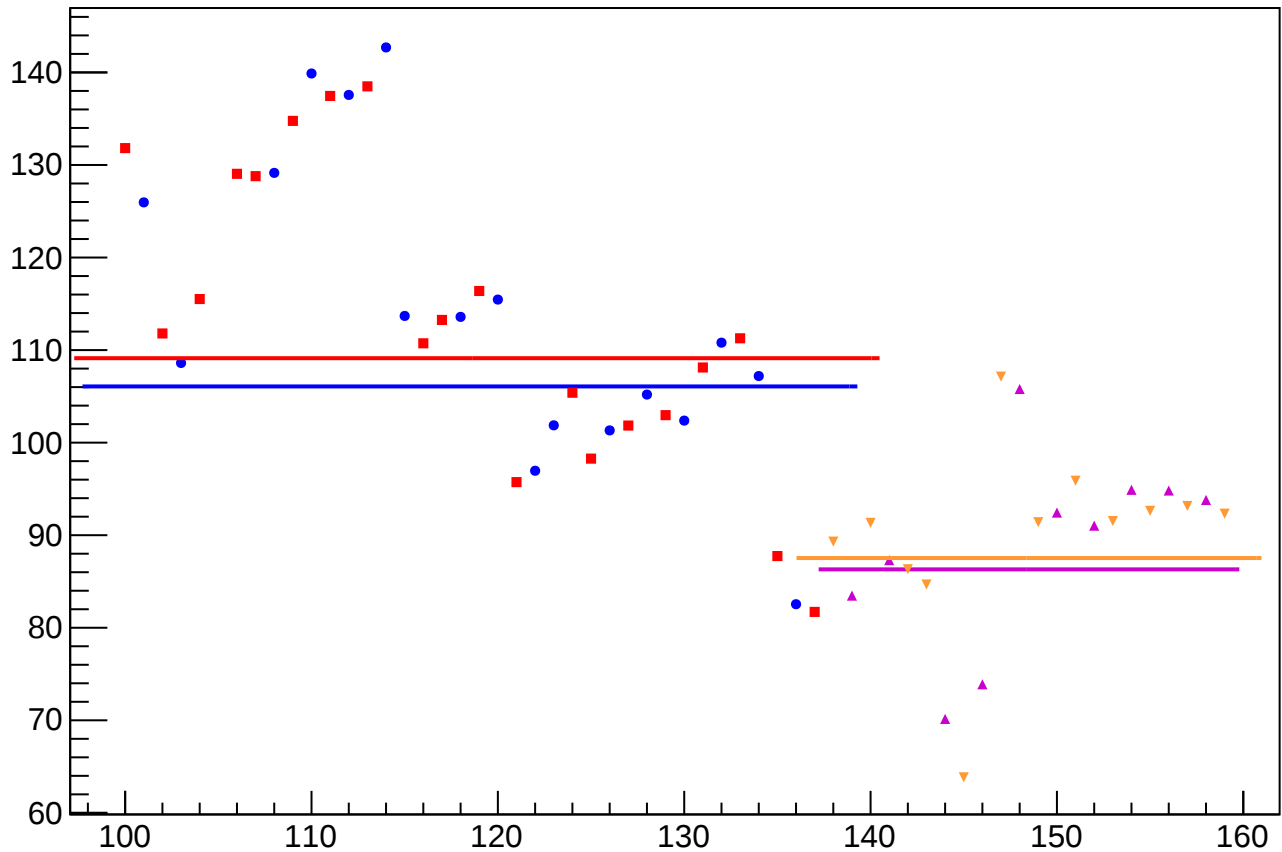
Right Out: -16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

Left In: -33.473 $\pm$ 30.459 χ^2 /NDF:6.3/9

44.692 $\pm$ 24.057 χ^2 /NDF: 32.3/28

-27.349 $\pm$ 24.509 χ^2 /NDF: 18.2/29

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074 ± 0.029 χ^2/NDF : 317907.9/16

Left Out: 87.532 ± 0.021 χ^2/NDF : 301184.4/11

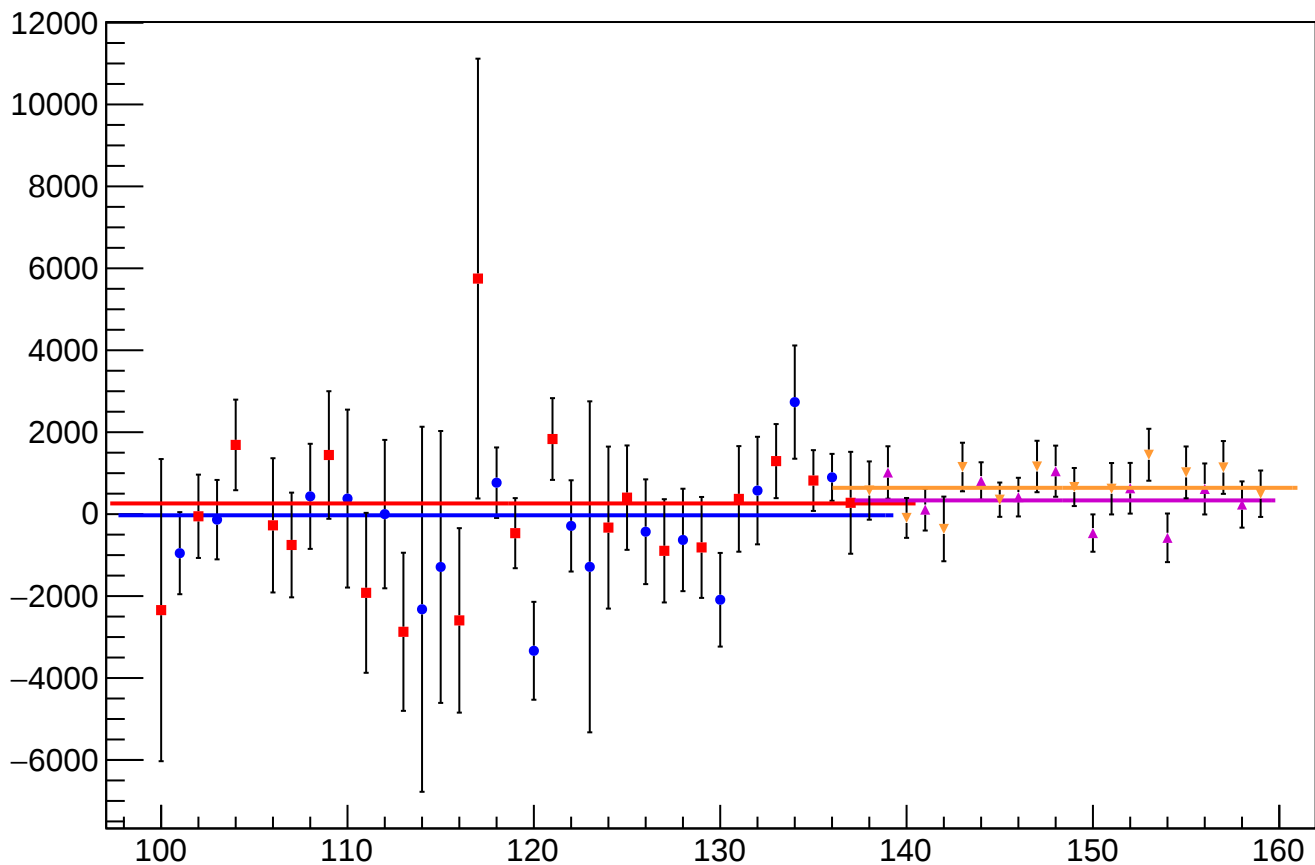
Right Out: 109.124 ± 0.029 χ^2/NDF : 285510.2/19

Left In: 86.309 ± 0.022 χ^2/NDF : 239569.3/9

93.725 ± 0.017 χ^2/NDF : 883393.6/28

94.353 ± 0.017 χ^2/NDF : 920664.2/29

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 642.402 ± 165.333 χ^2/NDF : 8.4/11

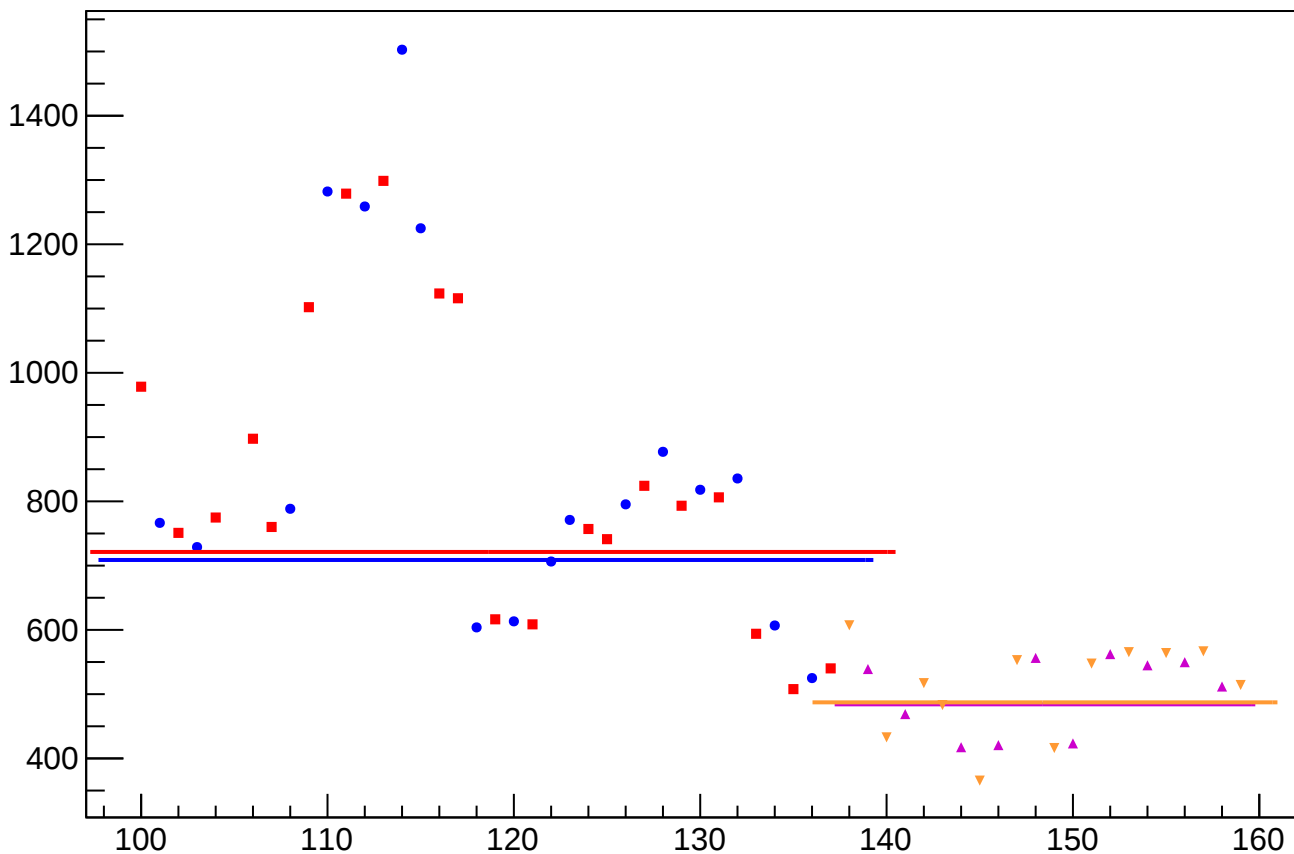
Right Out: 261.265 ± 279.073 χ^2/NDF : 16.9/19

Left In: 335.252 ± 171.301 χ^2/NDF : 9.6/9

472.484 ± 142.851 χ^2/NDF : 33.1/28

315.004 ± 145.992 χ^2/NDF : 26.6/29

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784+/-0.201 χ^2/NDF : 793538.1/16

Left Out: 487.253+/-0.117 χ^2/NDF : 436018.2/11

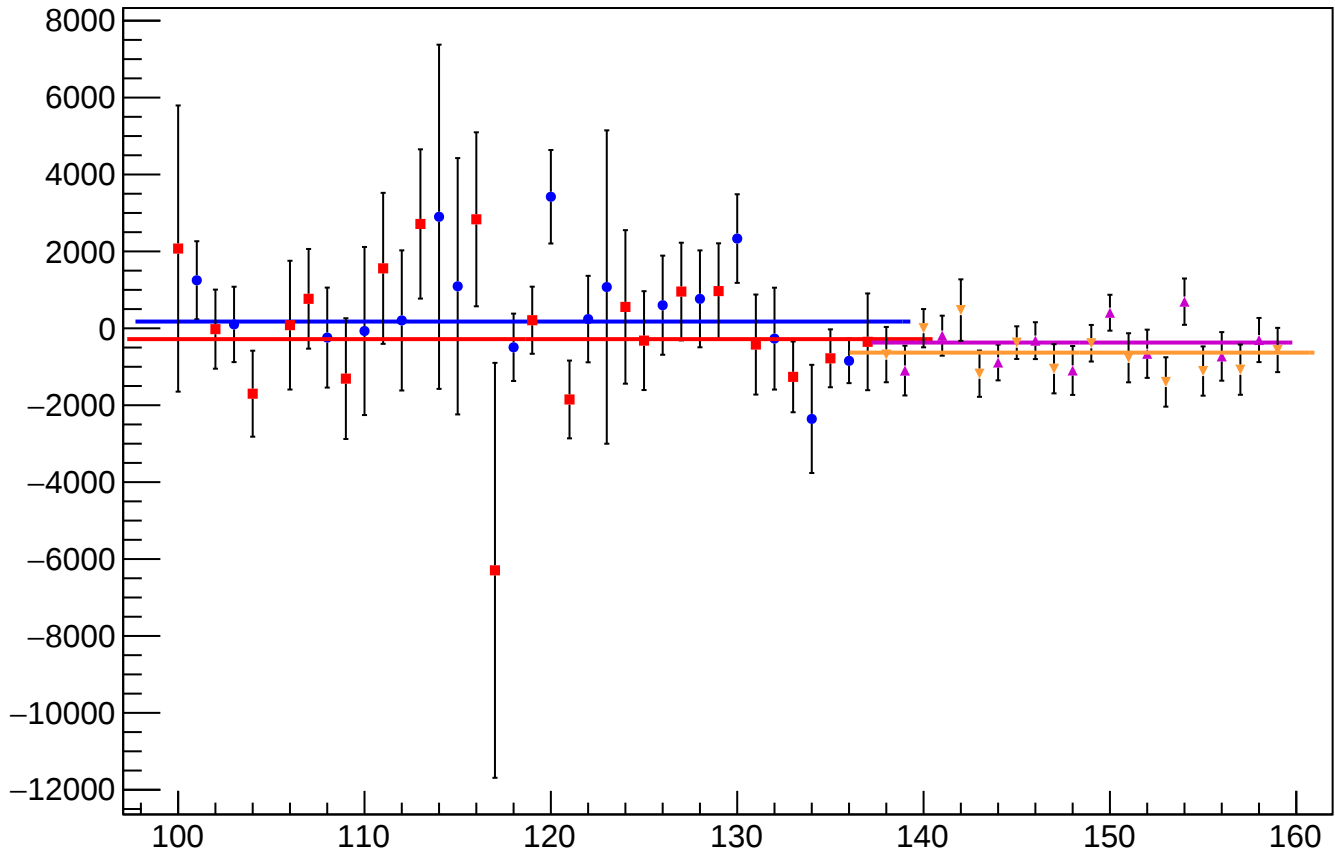
Right Out: 721.271+/-0.197 χ^2/NDF : 910781.0/19

Left In: 484.149+/-0.121 χ^2/NDF : 237349.8/9

543.404+/-0.101 χ^2/NDF : 2139688.9/28

549.041+/-0.103 χ^2/NDF : 2196886.6/29

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 ± 287.218 χ^2/NDF : 19.7/16

Left Out: -632.170 ± 168.149 χ^2/NDF : 7.9/11

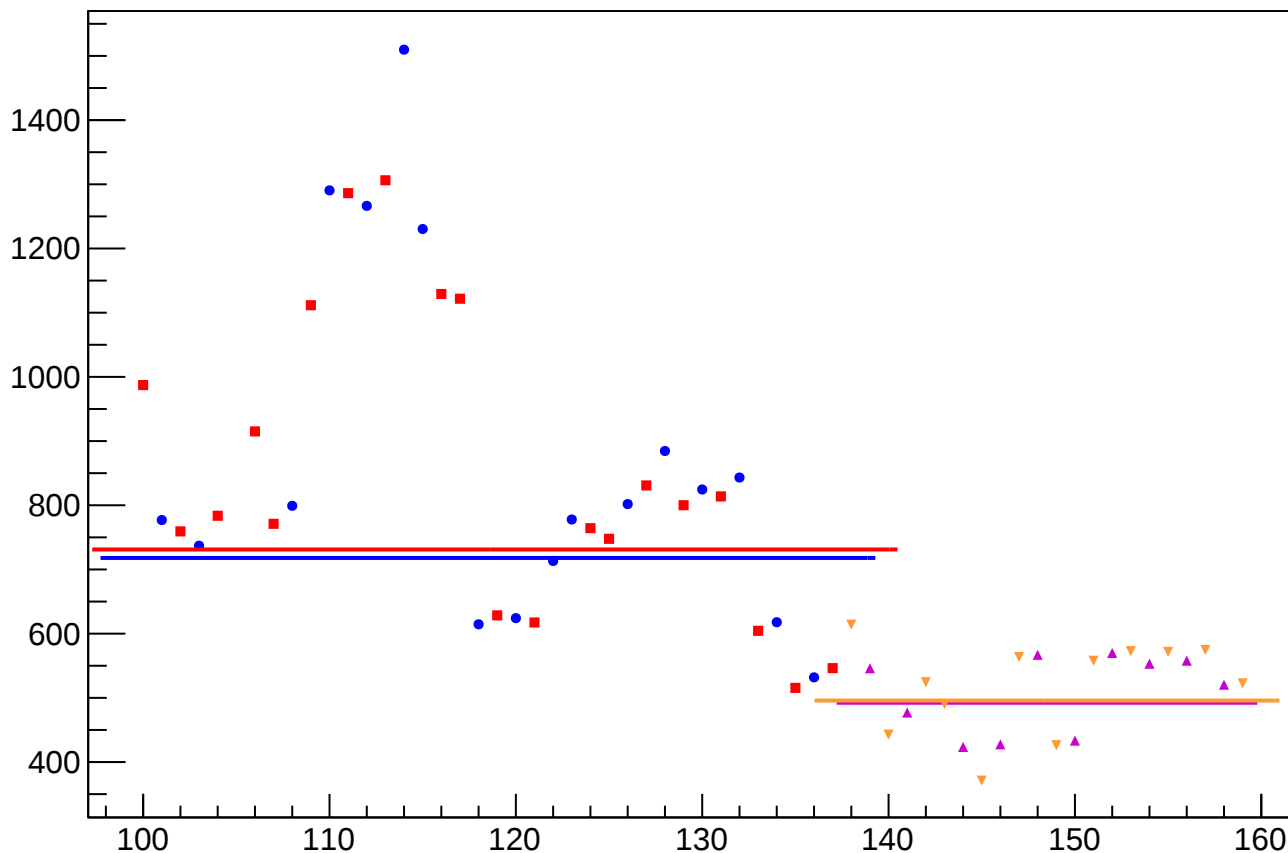
Right Out: -281.173 ± 282.685 χ^2/NDF : 16.1/19

Left In: -370.349 ± 174.157 χ^2/NDF : 10.4/9

-425.918 ± 145.110 χ^2/NDF : 33.6/28

-345.814 ± 148.276 χ^2/NDF : 26.5/29

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973+/-0.203 χ^2/NDF : 778580.1/16

Left Out: 495.812+/-0.119 χ^2/NDF : 426120.4/11

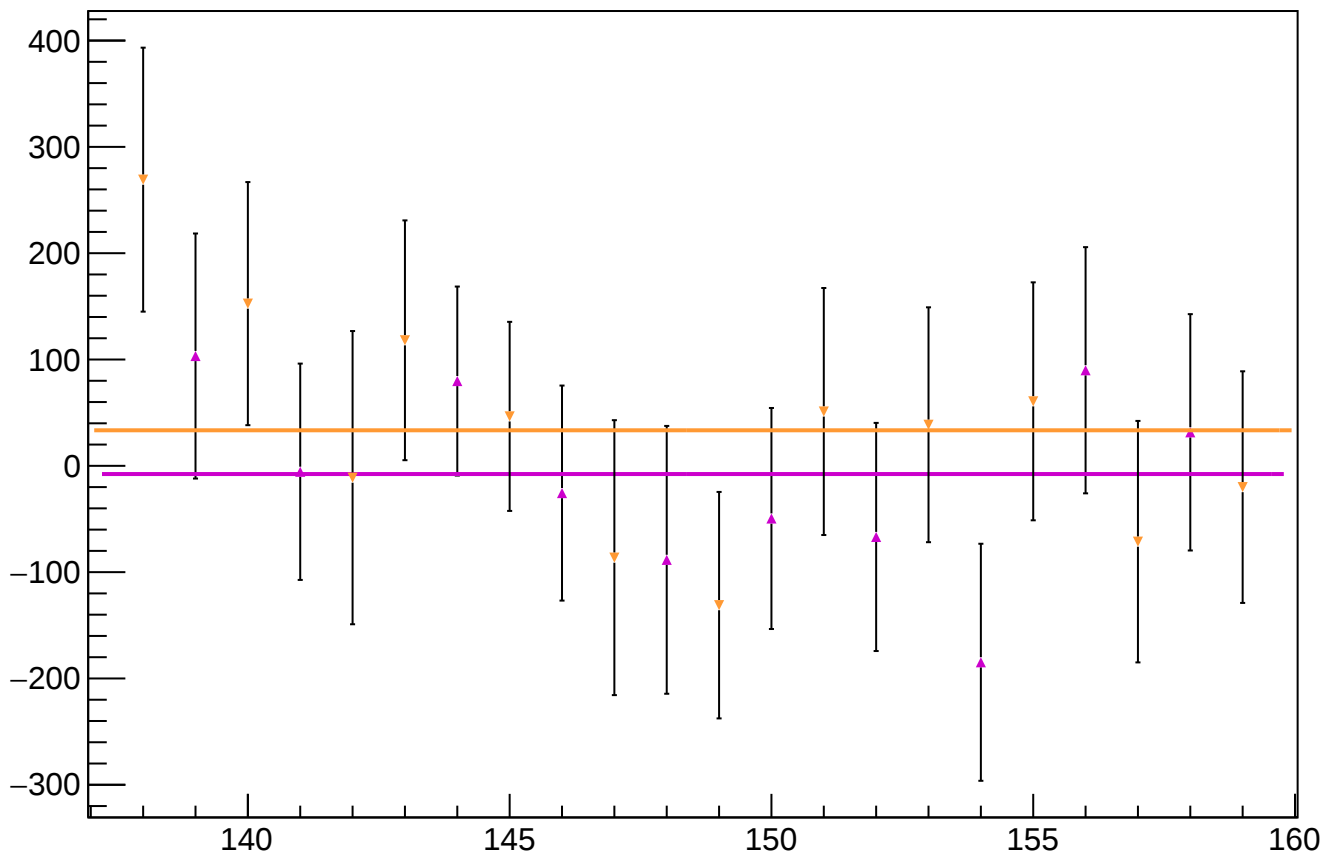
Right Out: 731.116+/-0.200 χ^2/NDF : 892357.6/19

Left In: 492.376+/-0.123 χ^2/NDF : 232693.9/9

552.520+/-0.103 χ^2/NDF : 2095847.4/28

558.060+/-0.105 χ^2/NDF : 2159079.9/29

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 33.428+/-32.534 χ^2/NDF : 9.8/11

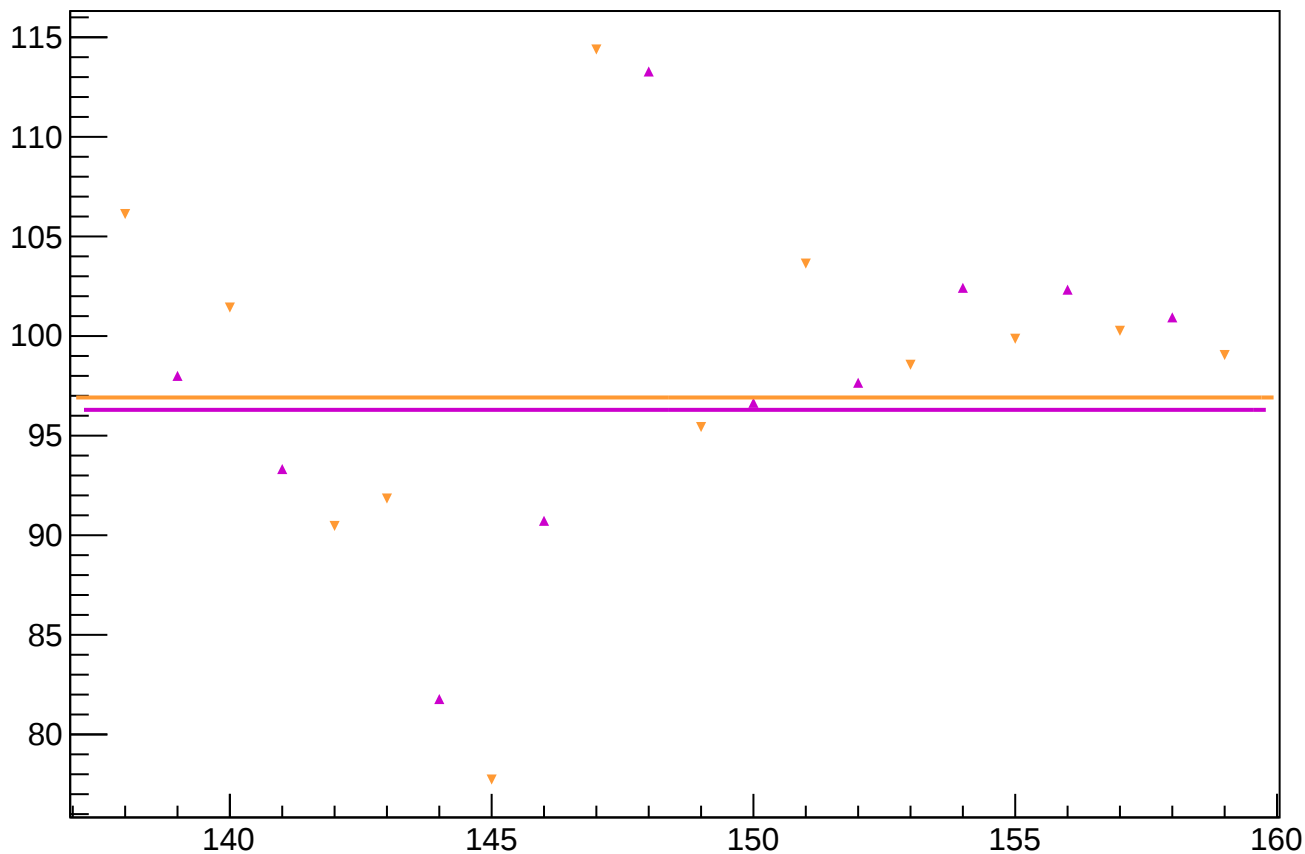
33.428+/-32.534 χ^2/NDF : 9.8/11

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

-7.720+/-33.812 χ^2/NDF : 6.2/9

Left In: -7.720+/-33.812 χ^2/NDF : 6.2/9

reg_asym_sam_1548_avg_rms vs Slug



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

Left Out: 96.916+/-0.023 χ^2/NDF :163540.3/11

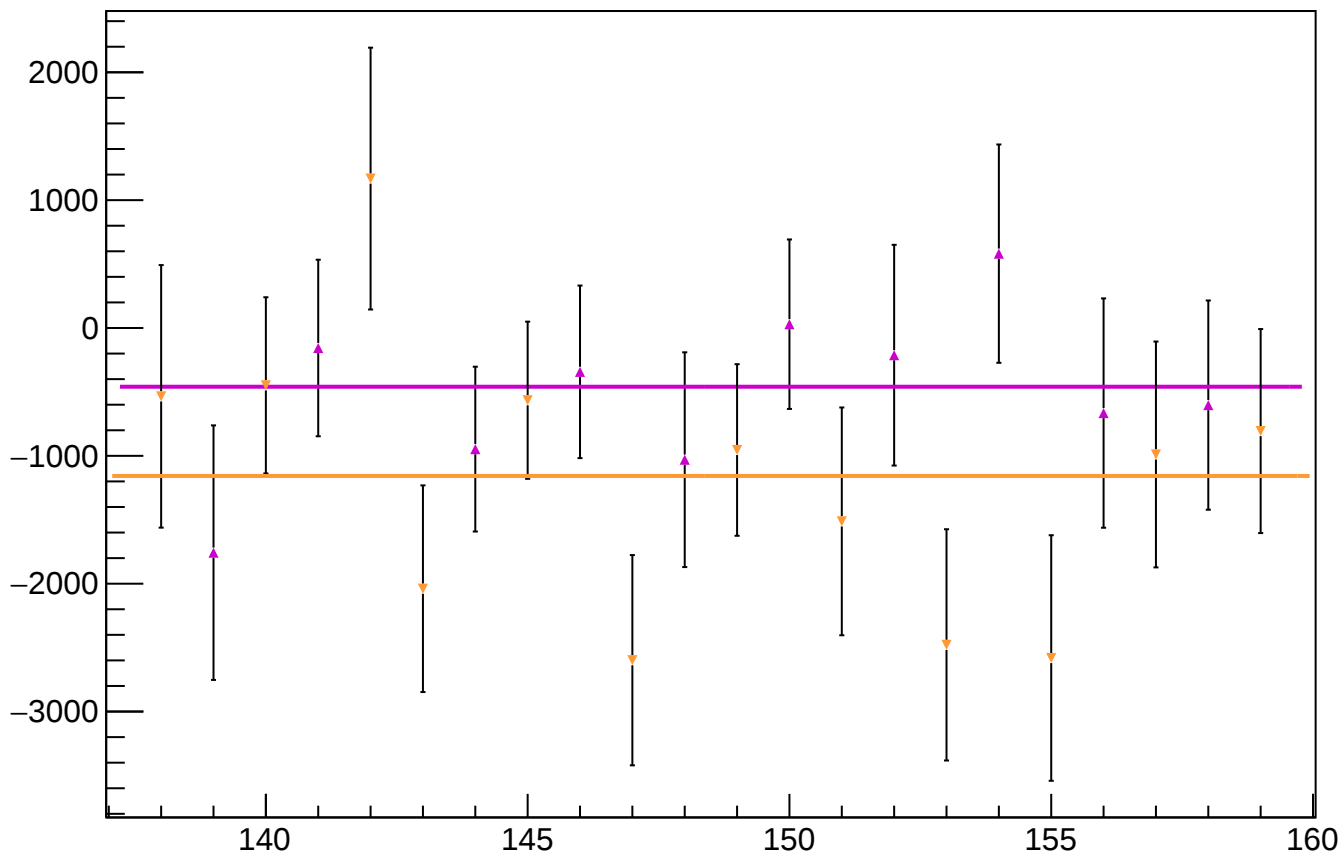
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 96.295+/-0.024 χ^2/NDF :113248.8/9

96.916+/-0.023 χ^2/NDF : 163540.3/11

96.295+/-0.024 χ^2/NDF : 113248.8/9

asym_sam_1548_avg_correction_mean vs Slug



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

Left Out: -1157.357+/-233.728 χ^2/NDF : 16.6/11

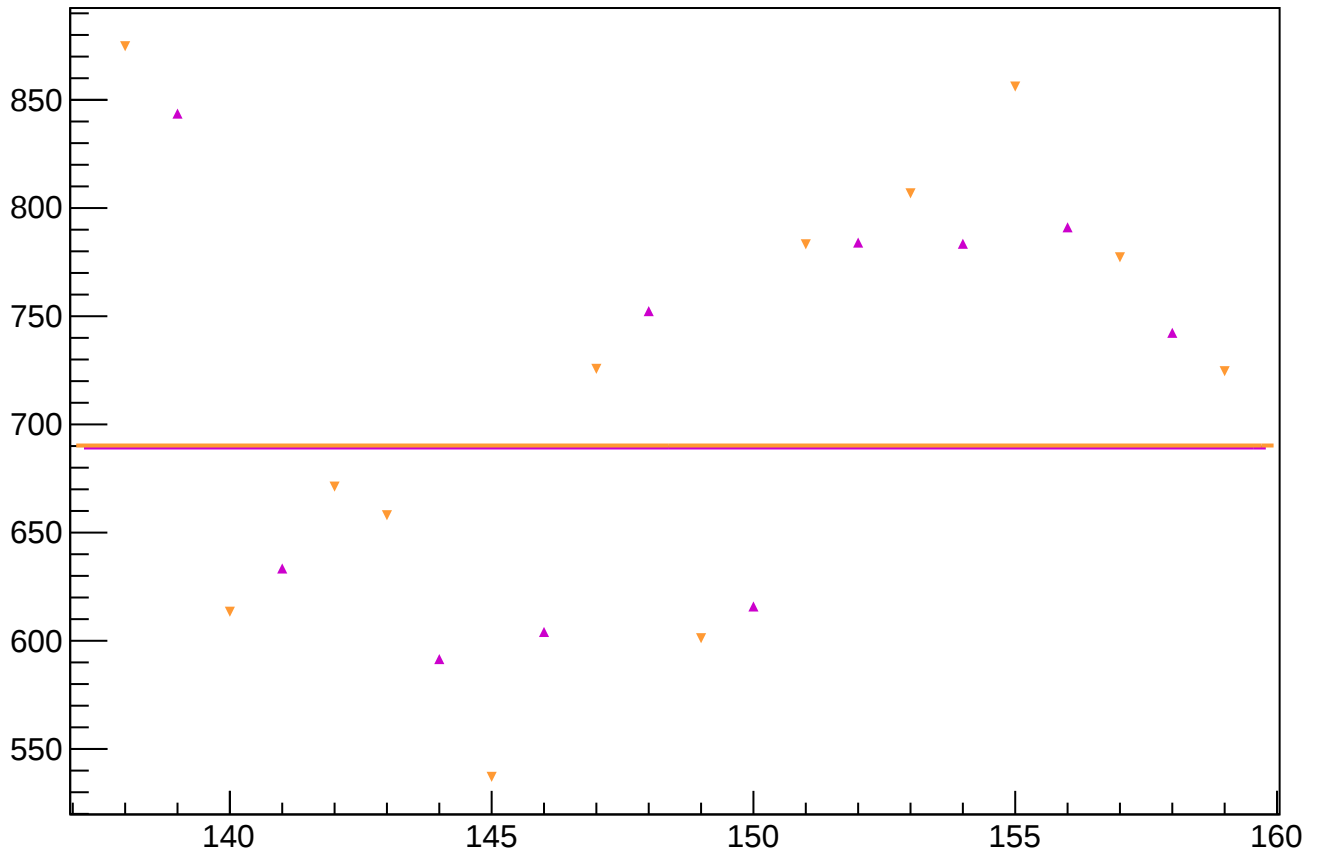
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -459.407+/-243.582 χ^2/NDF : 5.2/9

-1157.357+/-233.728 χ^2/NDF : 16.6/11

-459.407+/-243.582 χ^2/NDF : 5.2/9

asym_sam_1548_avg_correction_rms vs Slug



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

Left Out: 690.252+/-0.165 χ^2/NDF : 394199.7/11

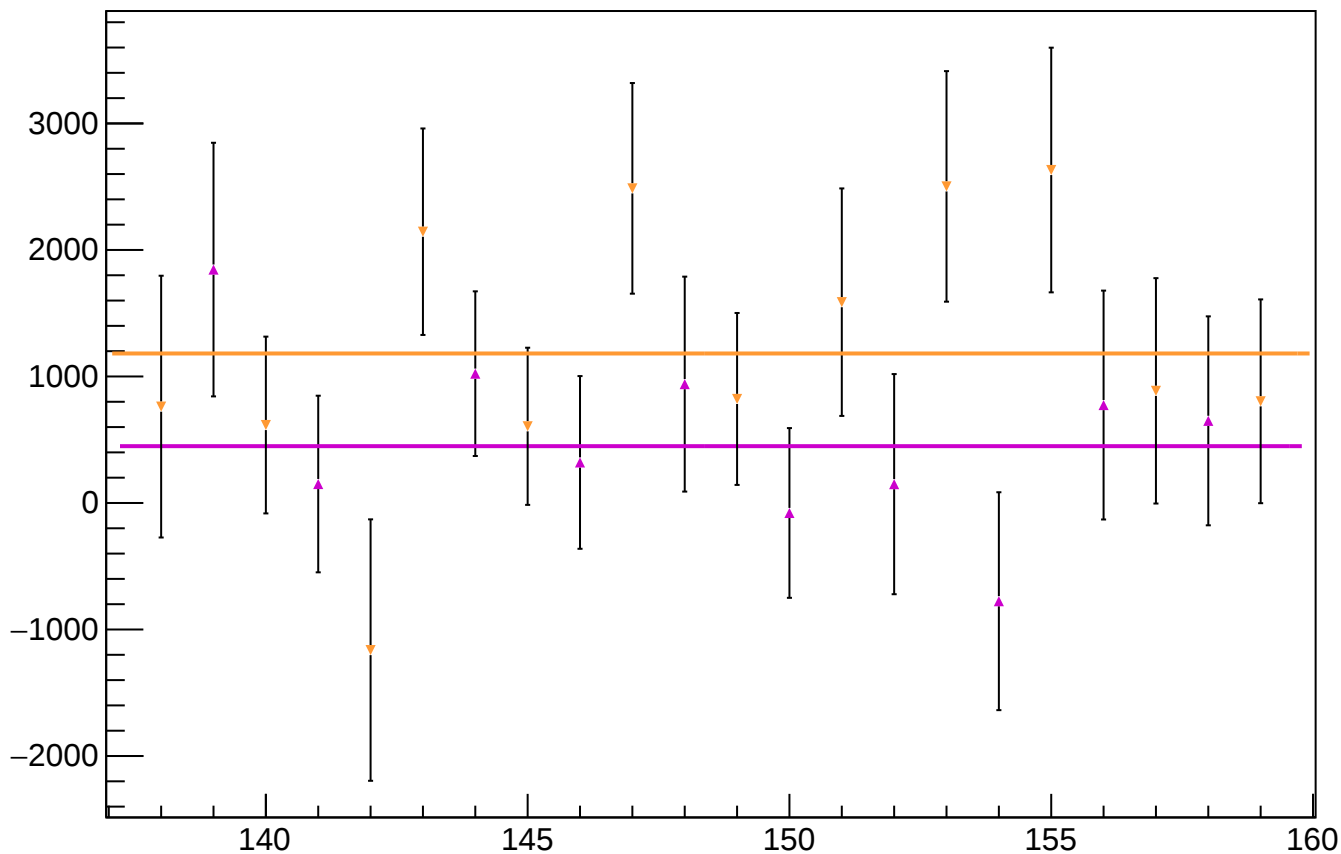
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 689.328+/-0.172 χ^2/NDF : 257523.6/9

690.252+/-0.165 χ^2/NDF : 394199.7/11

689.328+/-0.172 χ^2/NDF : 257523.6/9

asym_sam_1548_avg_mean vs Slug



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

Left Out: 1181.729+/-236.134 χ^2/NDF :15.8/11

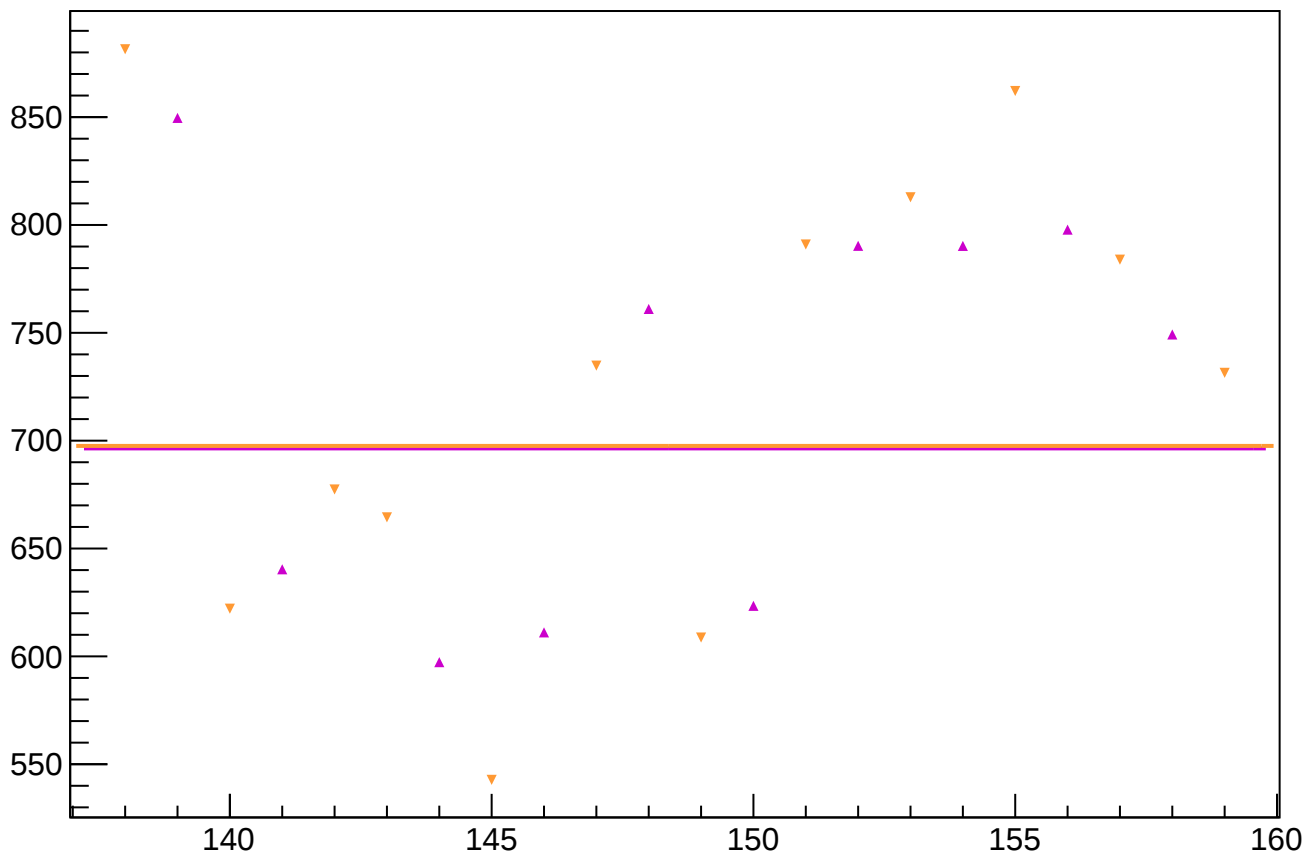
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 449.136+/-246.031 χ^2/NDF :6.2/9

1181.729+/-236.134 χ^2/NDF : 15.8/11

449.136+/-246.031 χ^2/NDF : 6.2/9

asym_sam_1548_avg_rms vs Slug



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

Left Out: 697.569+/-0.167 χ^2/NDF : 386832.0/11

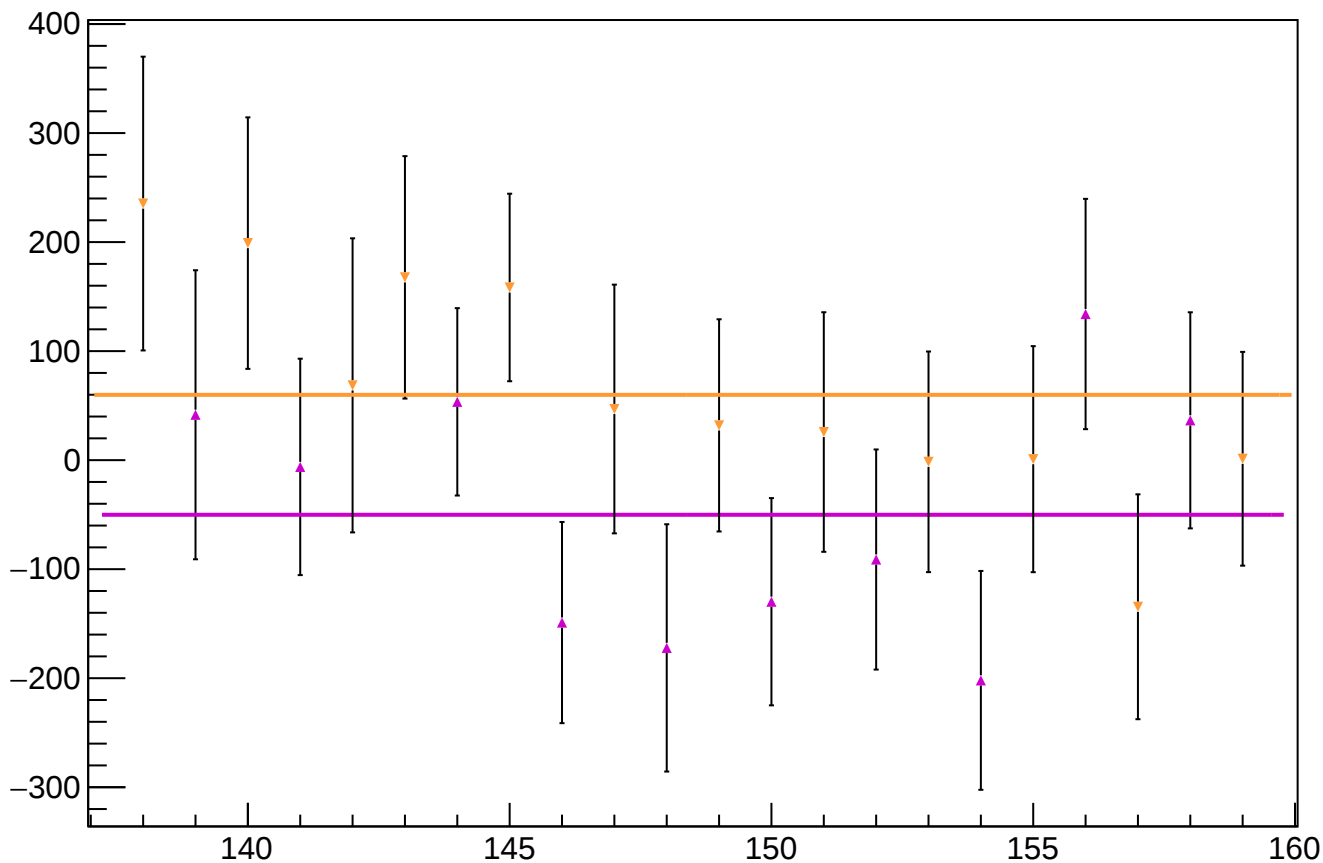
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 696.414+/-0.174 χ^2/NDF : 252887.5/9

697.569+/-0.167 χ^2/NDF : 386832.0/11

696.414+/-0.174 χ^2/NDF : 252887.5/9

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 59.891+/-30.781 χ^2/NDF : 10.2/11

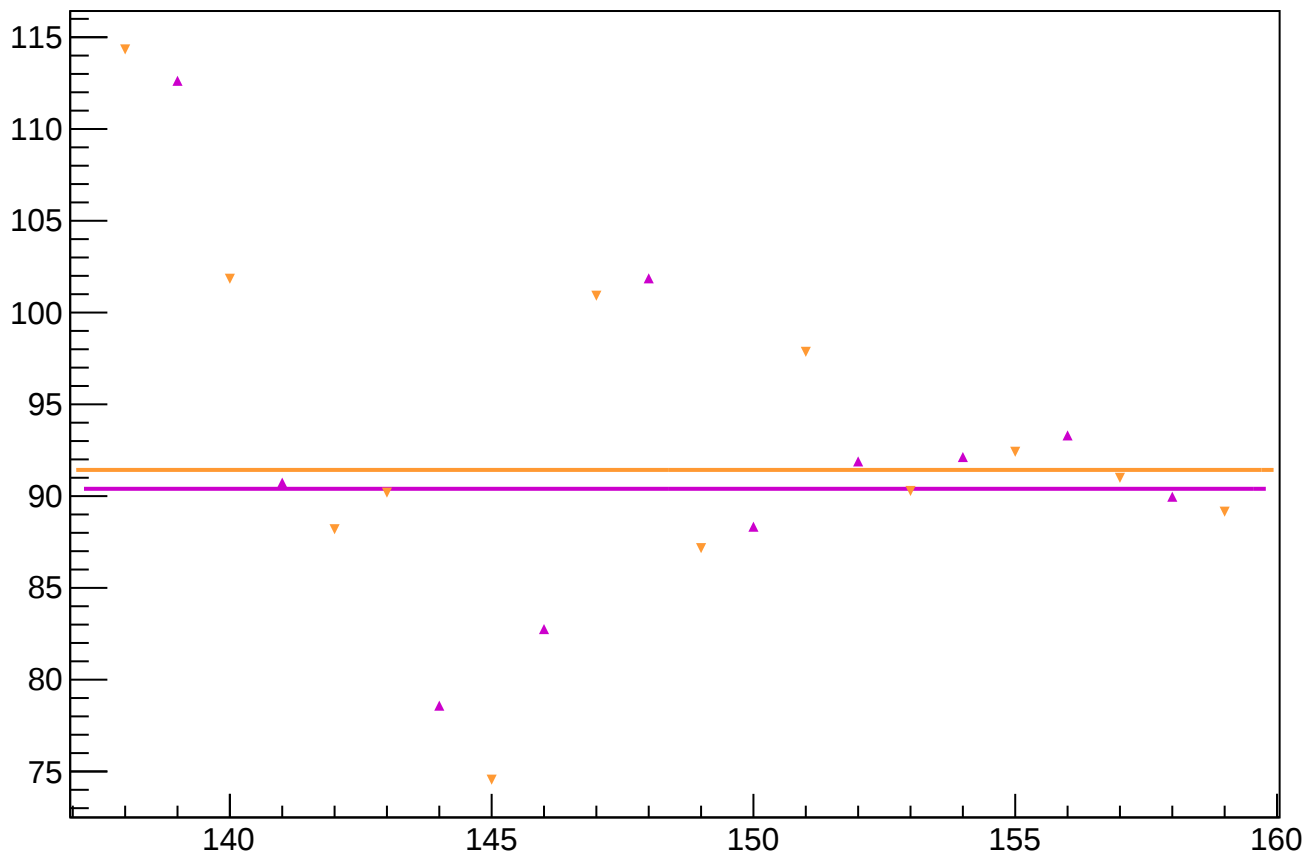
59.891+/-30.781 χ^2/NDF : 10.2/11

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

Left In: -50.111+/-31.804 χ^2/NDF : 11.4/9

-50.111+/-31.804 χ^2/NDF : 11.4/9

reg_asym_sam_3748_avg_rms vs Slug



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

Left Out: 91.427+/-0.022 χ^2/NDF :178617.7/11

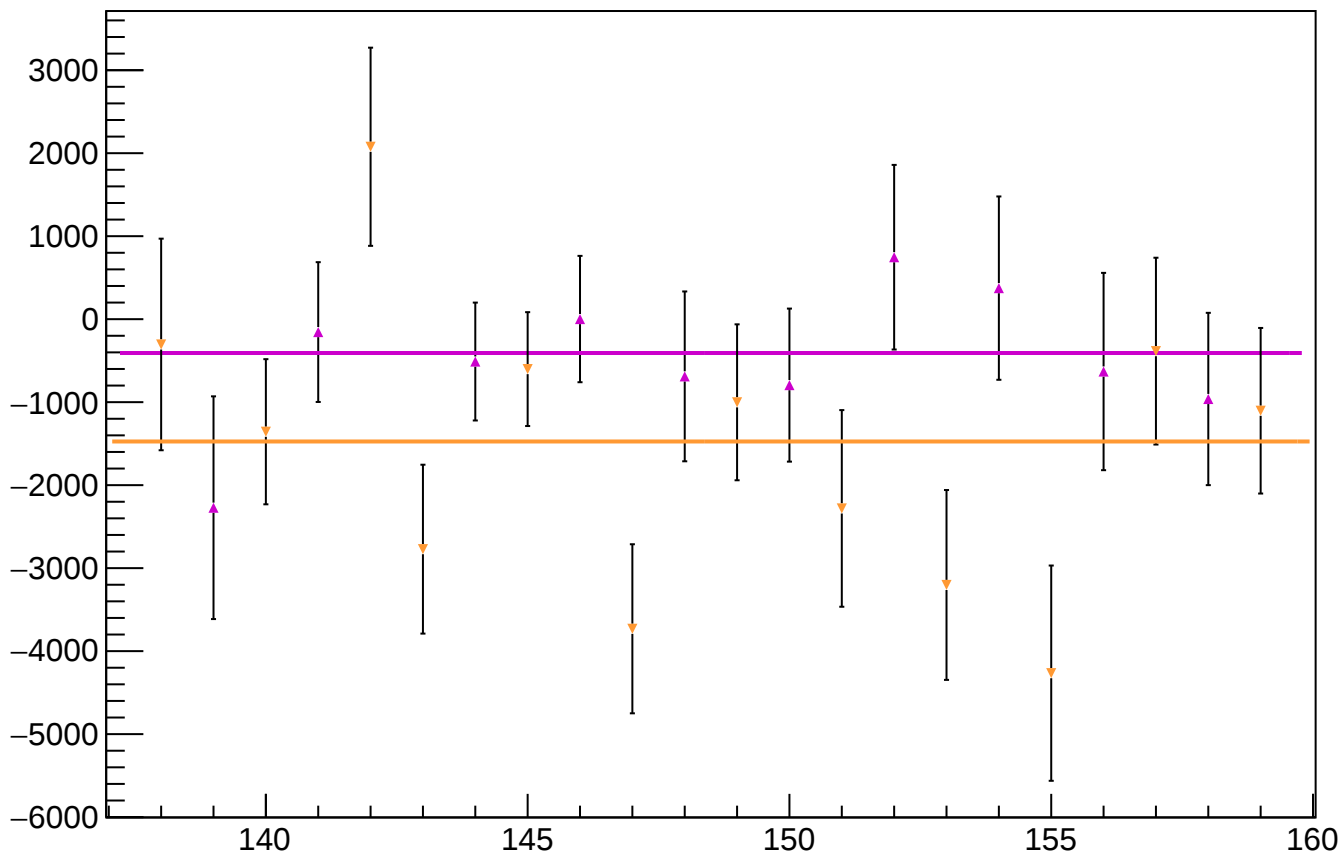
91.427+/-0.022 χ^2/NDF : 178617.7/11

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

90.398+/-0.022 χ^2/NDF : 131755.6/9

Left In: 90.398+/-0.022 χ^2/NDF :131755.6/9

asym_sam_3748_avg_correction_mean vs Slug



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

Left Out: -1473.790+/-292.638 χ^2/NDF : 26.6/11

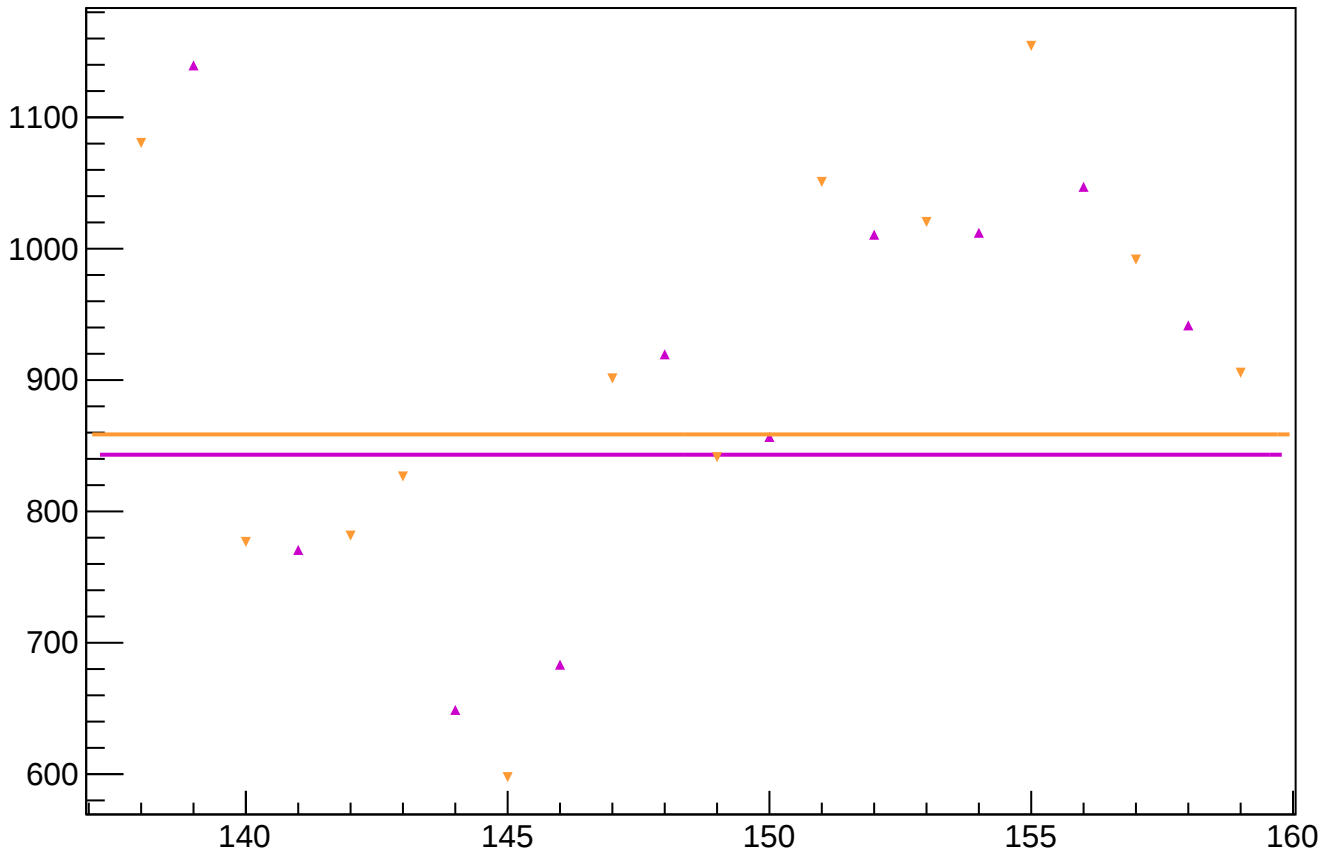
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -407.622+/-300.580 χ^2/NDF : 4.5/9

-1473.790+/-292.638 χ^2/NDF : 26.6/11

-407.622+/-300.580 χ^2/NDF : 4.5/9

asym_sam_3748_avg_correction_rms vs Slug



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

Left Out: 858.627+/-0.207 χ^2/NDF : 610978.8/11

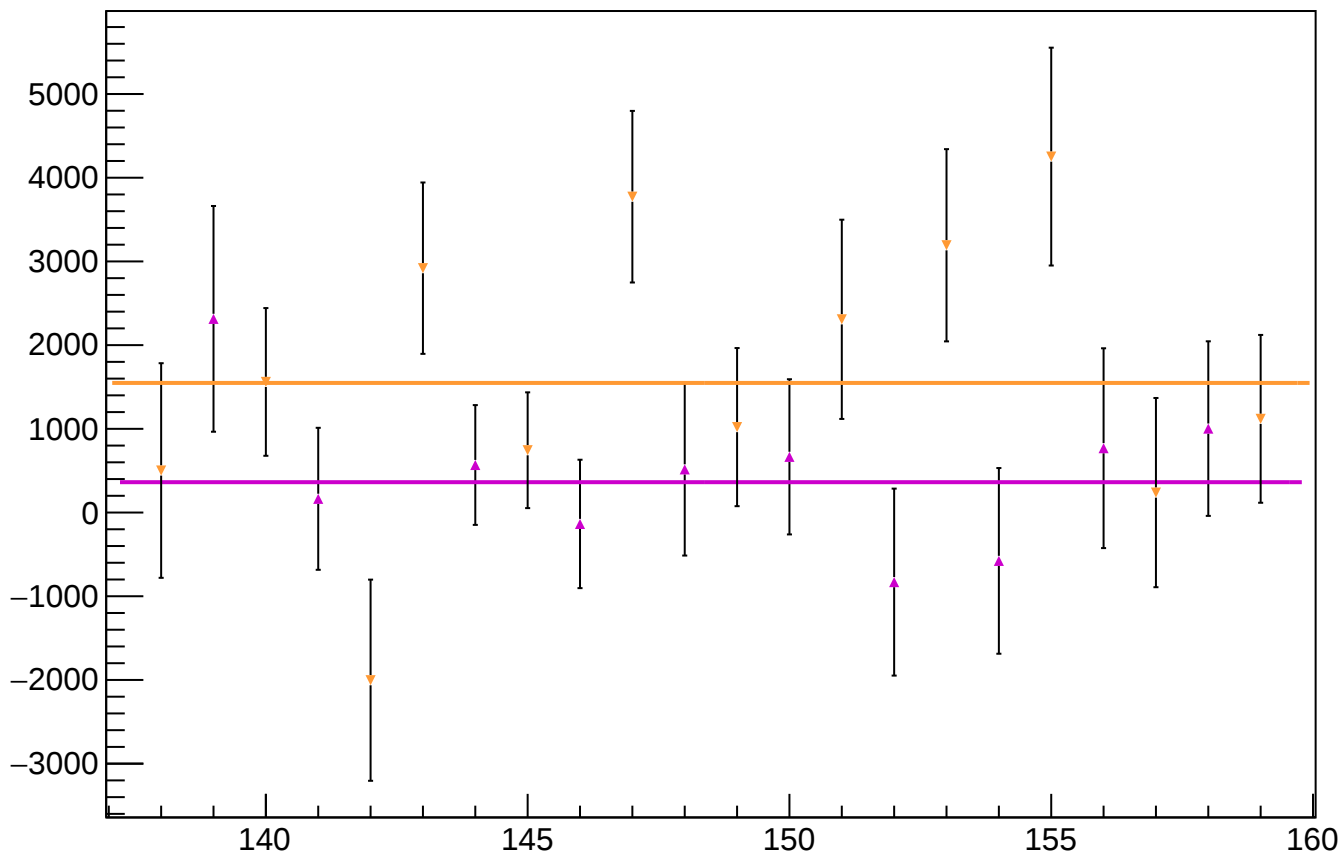
858.627+/-0.207 χ^2/NDF : 610978.8/11

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

Left In: 843.176+/-0.213 χ^2/NDF : 530833.3/9

843.176+/-0.213 χ^2/NDF : 530833.3/9

asym_sam_3748_avg_mean vs Slug



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

Left Out: 1548.438+/-294.422 χ^2/NDF : 25.9/11

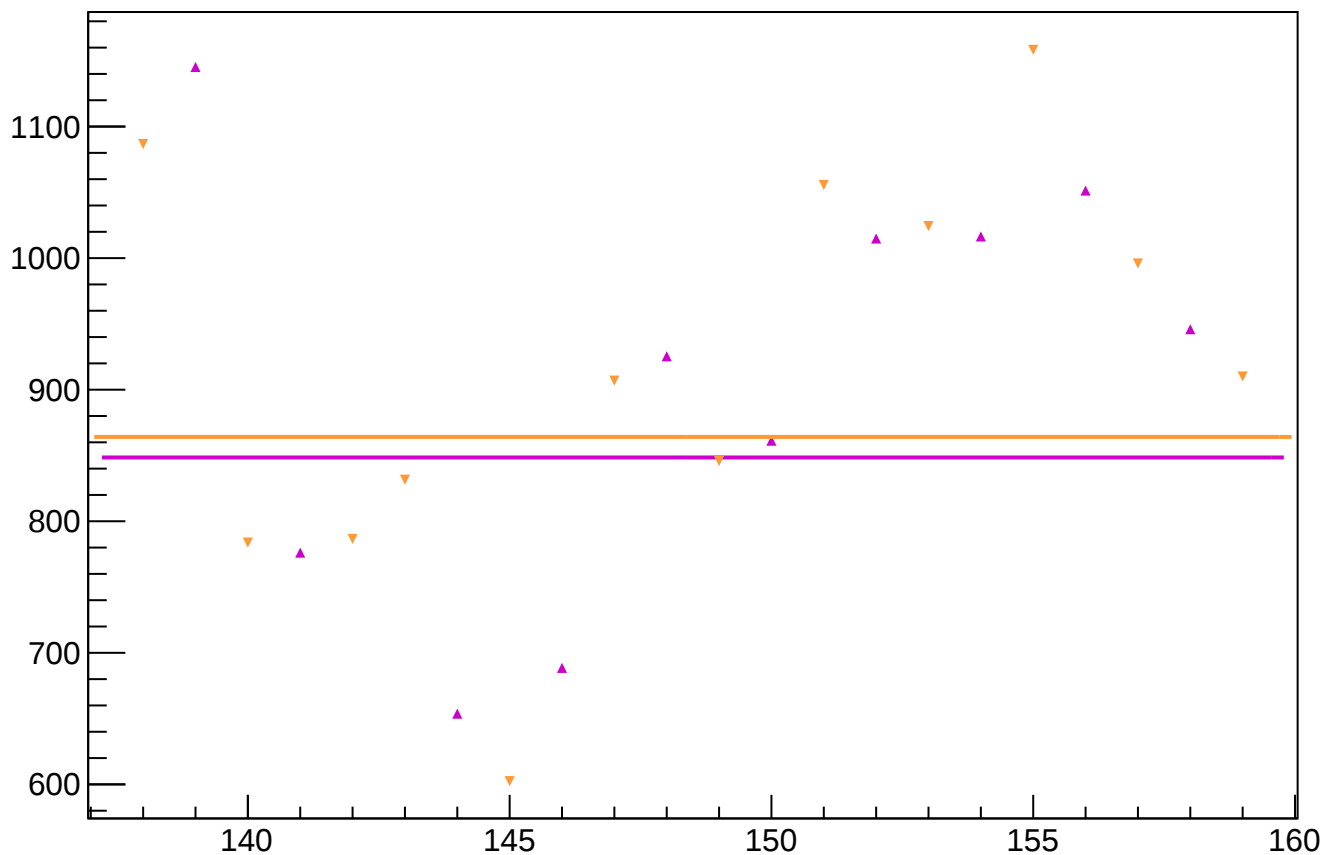
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 362.602+/-302.390 χ^2/NDF : 5.1/9

1548.438+/-294.422 χ^2/NDF : 25.9/11

362.602+/-302.390 χ^2/NDF : 5.1/9

asym_sam_3748_avg_rms vs Slug



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

Left Out: 864.098+/-0.208 χ^2/NDF : 602162.0/11

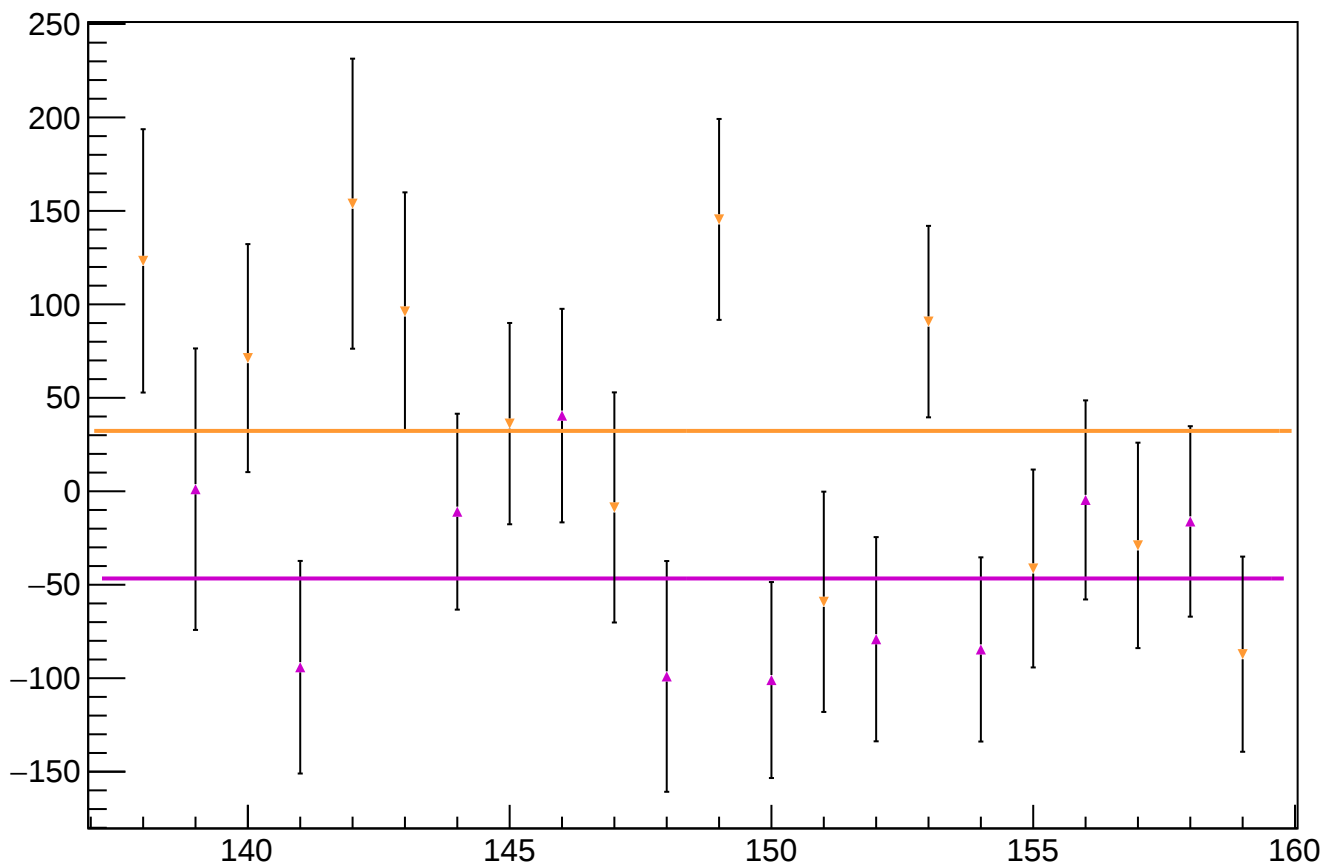
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 848.474+/-0.214 χ^2/NDF : 523559.6/9

864.098+/-0.208 χ^2/NDF : 602162.0/11

848.474+/-0.214 χ^2/NDF : 523559.6/9

reg_asym_sam_1526_avg_mean vs Slug



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

Left Out: 32.302+/-16.756 χ^2/NDF : 22.5/11

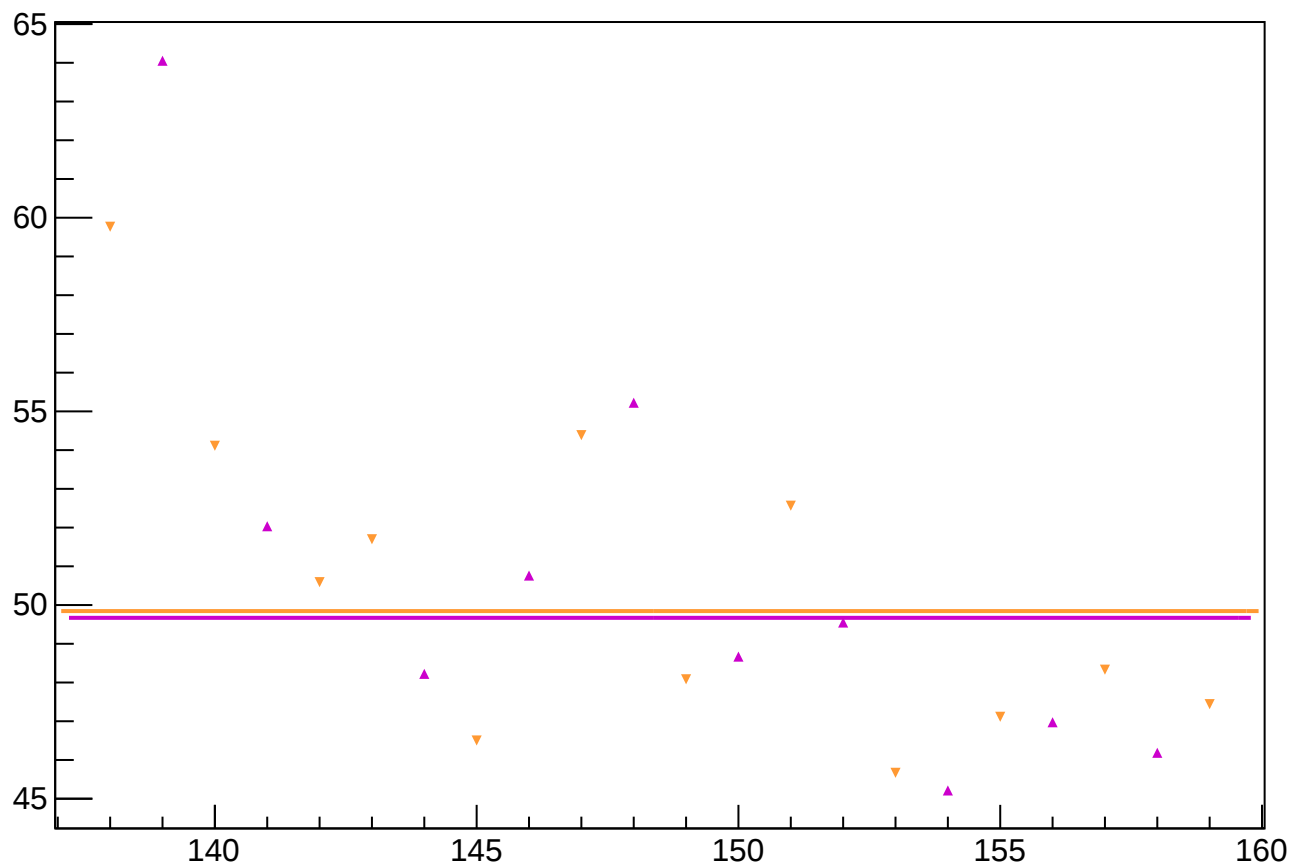
32.302+/-16.756 χ^2/NDF : 22.5/11

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

-46.647+/-17.494 χ^2/NDF : 7.6/9

Left In: -46.647+/-17.494 χ^2/NDF : 7.6/9

reg_asym_sam_1526_avg_rms vs Slug



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

Left Out: 49.844+/-0.012 χ^2/NDF :100726.3/11

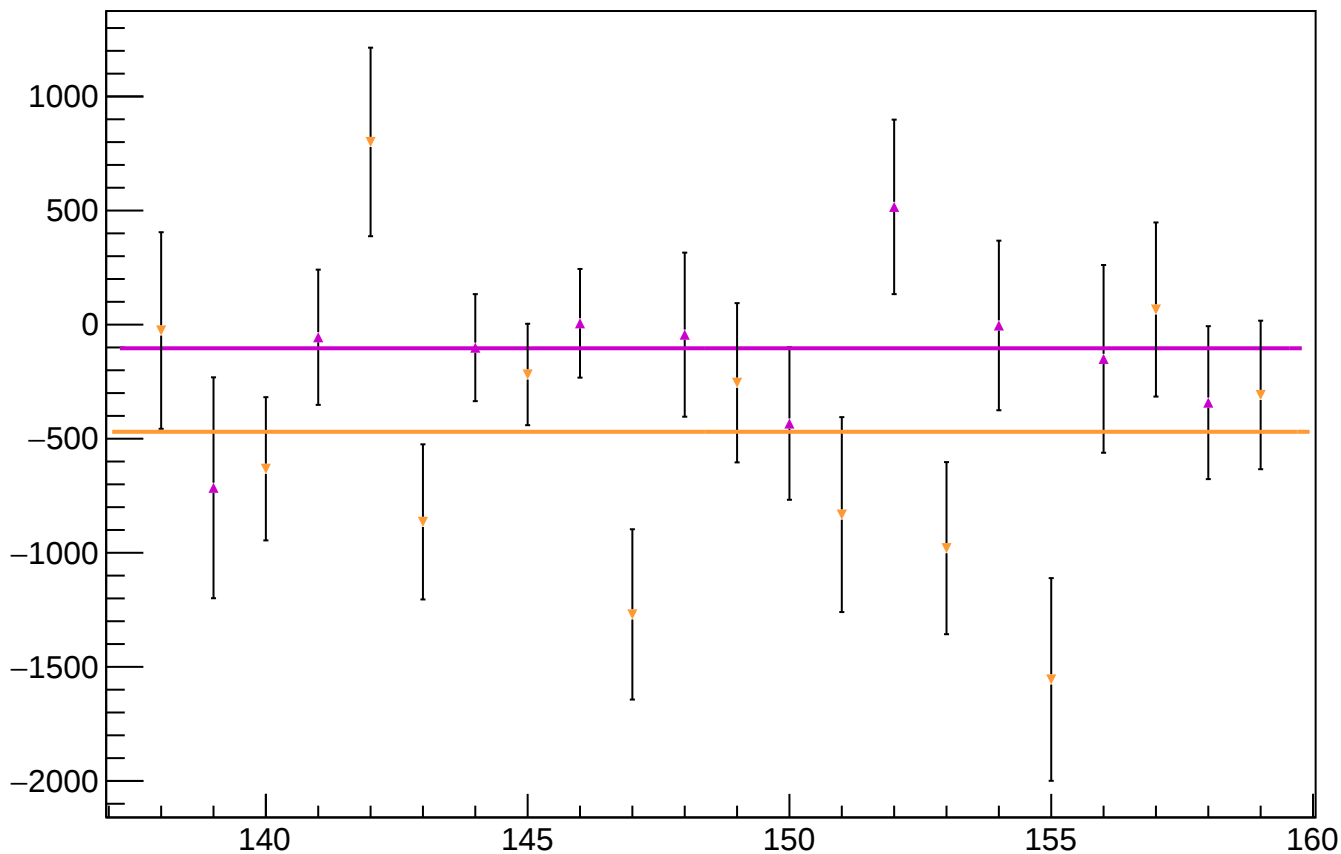
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 49.670+/-0.012 χ^2/NDF :126464.4/9

49.844+/-0.012 χ^2/NDF : 100726.3/11

49.670+/-0.012 χ^2/NDF : 126464.4/9

asym_sam_1526_avg_correction_mean vs Slug



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

Left Out: -469.650+/-100.223 χ^2/NDF : 29.1/11

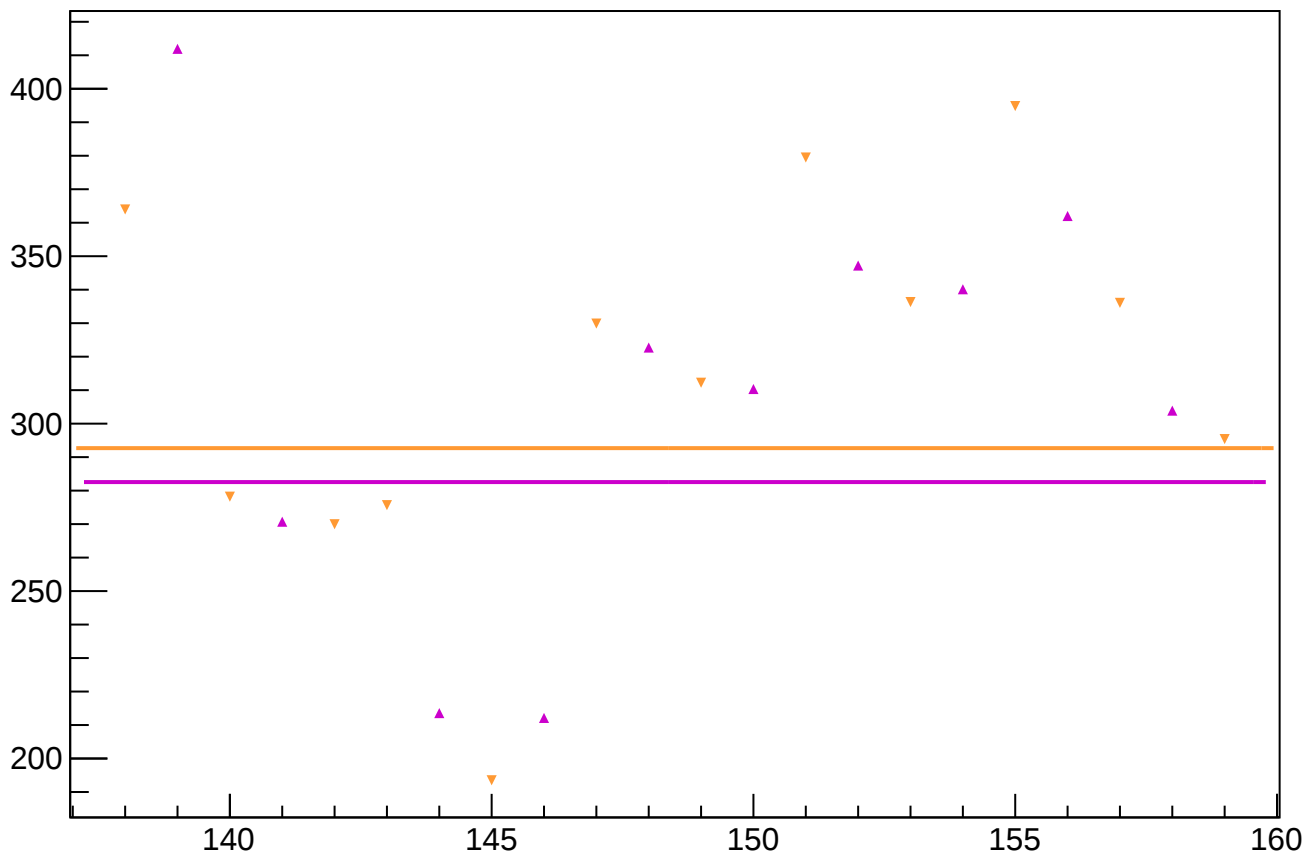
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -103.661+/-101.524 χ^2/NDF : 6.1/9

-469.650+/-100.223 χ^2/NDF : 29.1/11

-103.661+/-101.524 χ^2/NDF : 6.1/9

asym_sam_1526_avg_correction_rms vs Slug



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

Left Out: 292.687+/-0.071 χ^2/NDF : 735392.1/11

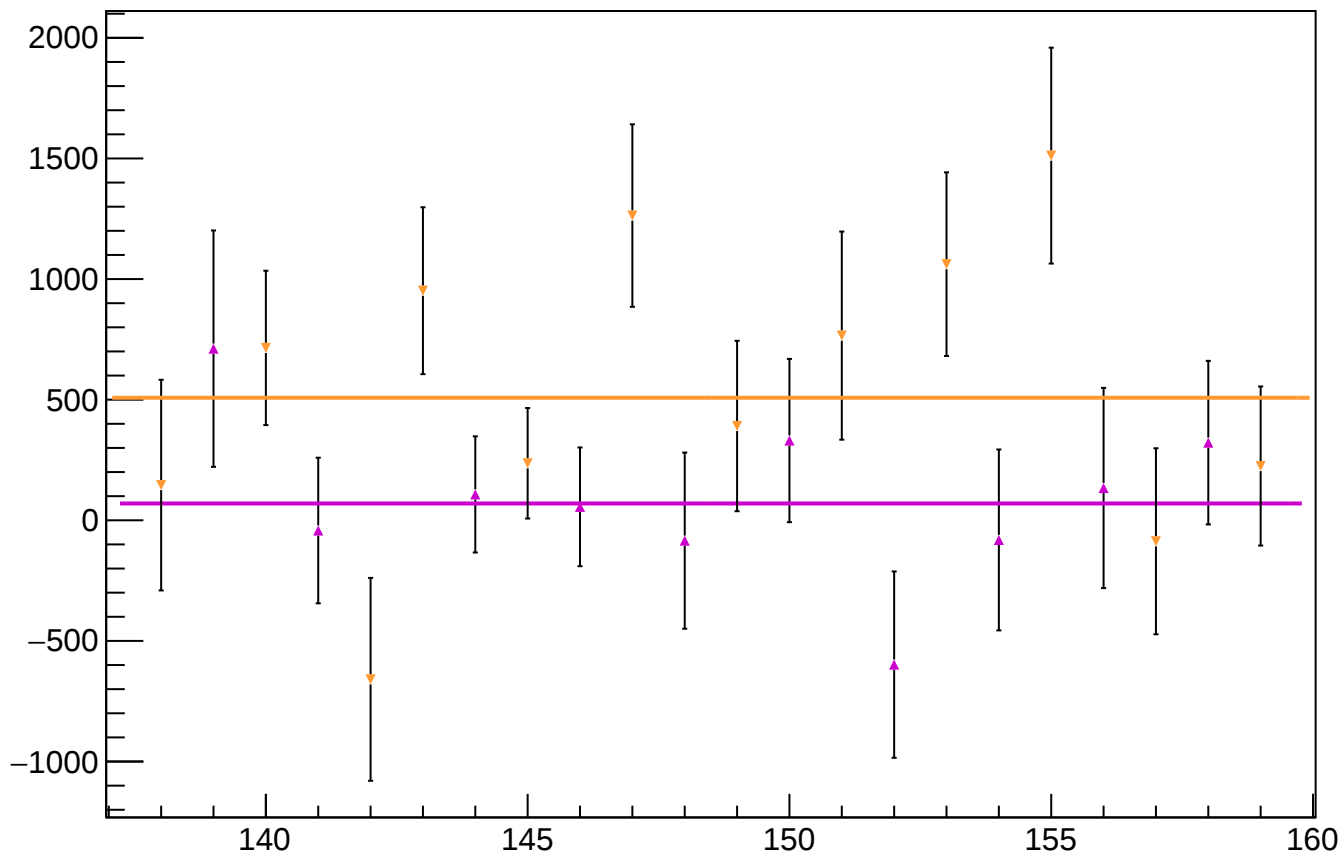
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 282.551+/-0.072 χ^2/NDF : 720525.6/9

292.687+/-0.071 χ^2/NDF : 735392.1/11

282.551+/-0.072 χ^2/NDF : 720525.6/9

asym_sam_1526_avg_mean vs Slug



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

Left Out: 508.015+/-101.912 χ^2/NDF : 26.6/11

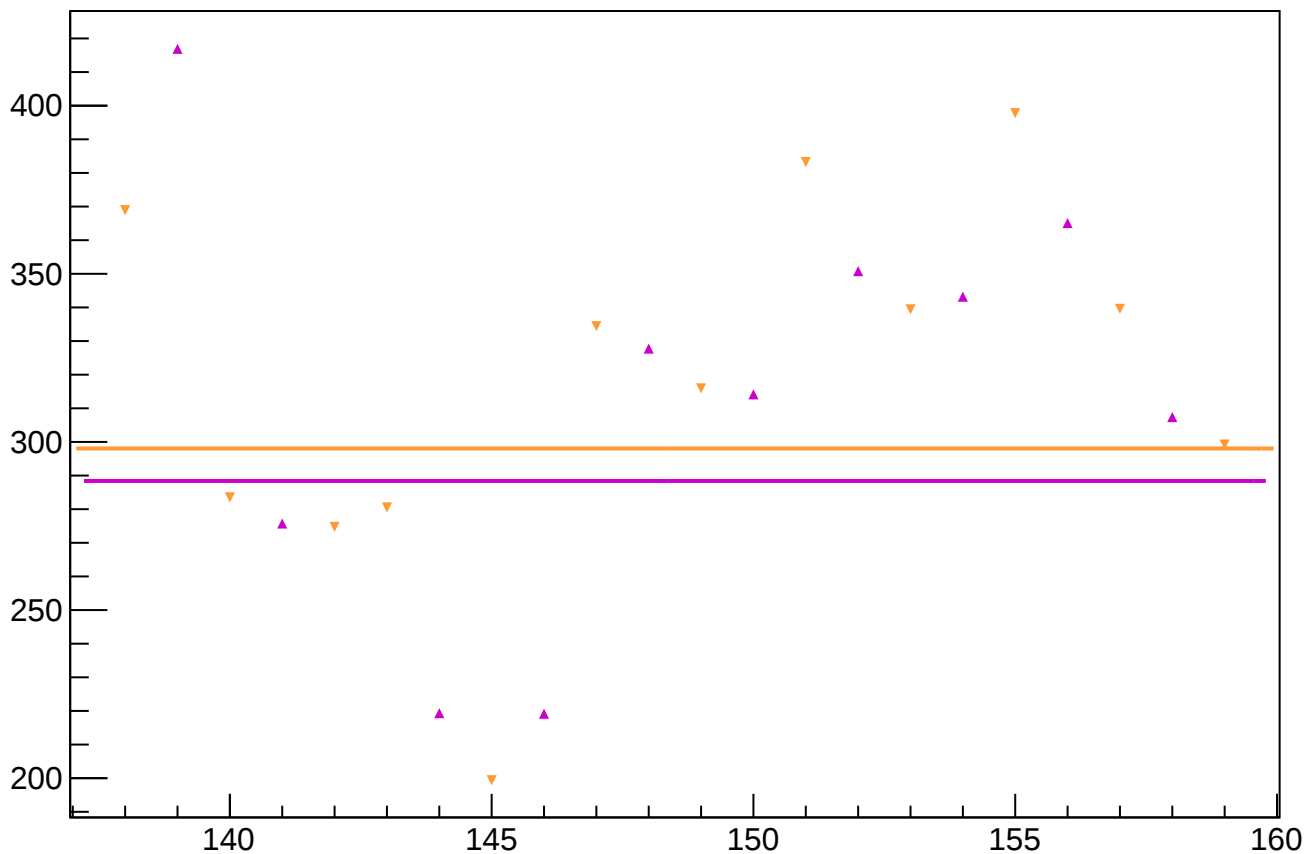
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 69.713+/-103.438 χ^2/NDF : 6.4/9

508.015+/-101.912 χ^2/NDF : 26.6/11

69.713+/-103.438 χ^2/NDF : 6.4/9

asym_sam_1526_avg_rms vs Slug



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

Left Out: 298.057+/-0.072 χ^2/NDF : 686917.1/11

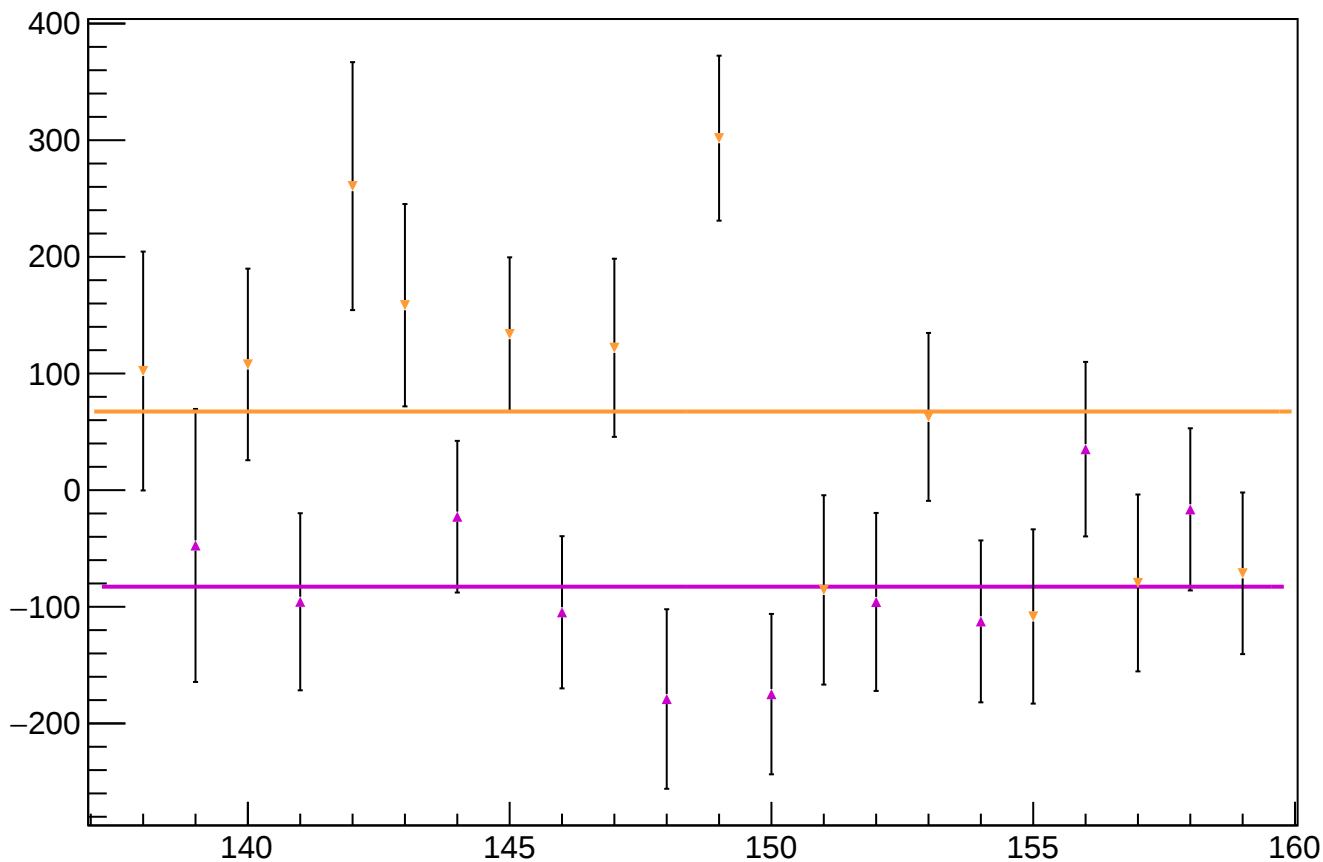
298.057+/-0.072 χ^2/NDF : 686917.1/11

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

288.399+/-0.073 χ^2/NDF : 668373.0/9

Left In: 288.399+/-0.073 χ^2/NDF : 668373.0/9

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 67.410+/-22.510 χ^2/NDF : 34.1/11

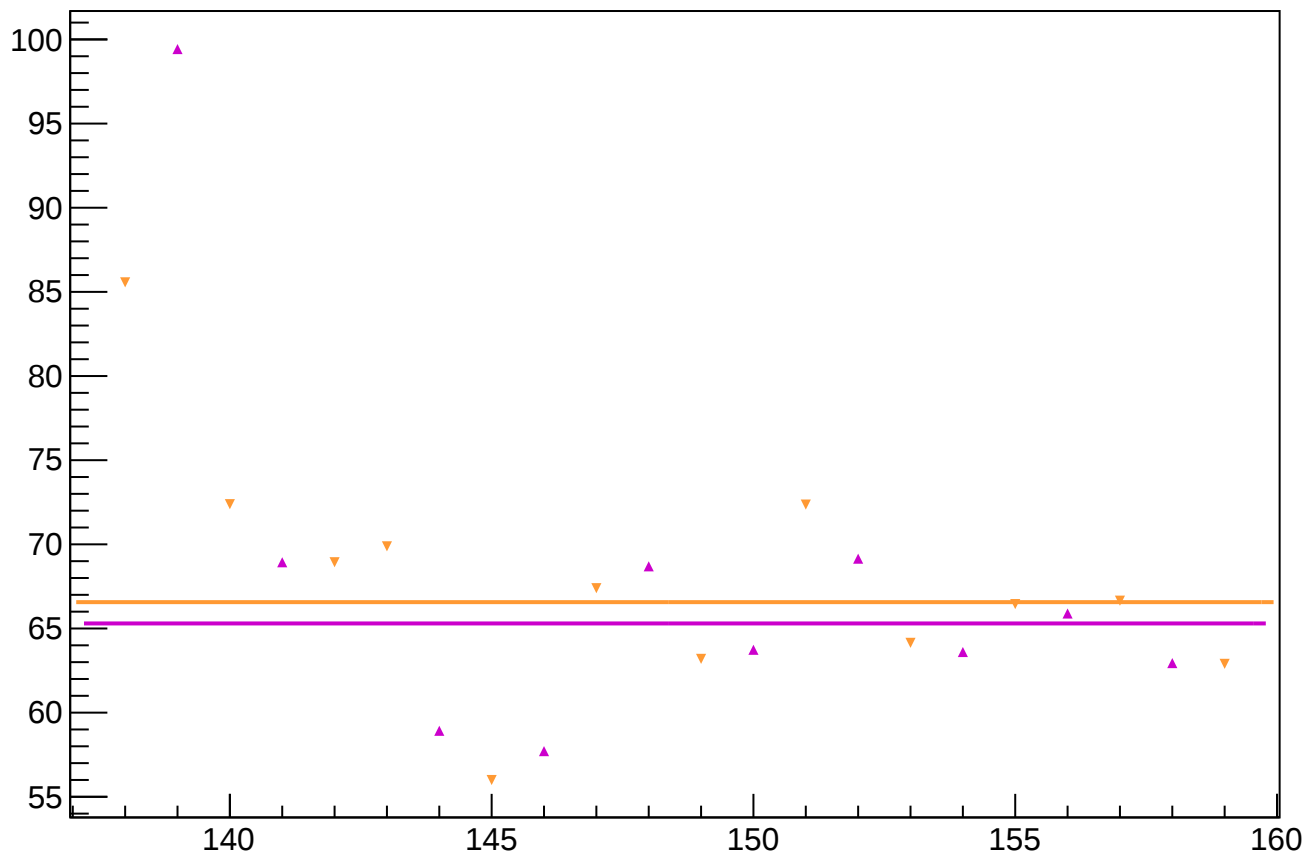
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -82.756+/-23.164 χ^2/NDF : 8.1/9

67.410+/-22.510 χ^2/NDF : 34.1/11

-82.756+/-23.164 χ^2/NDF : 8.1/9

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 66.566+/-0.016 χ^2/NDF :157263.0/11

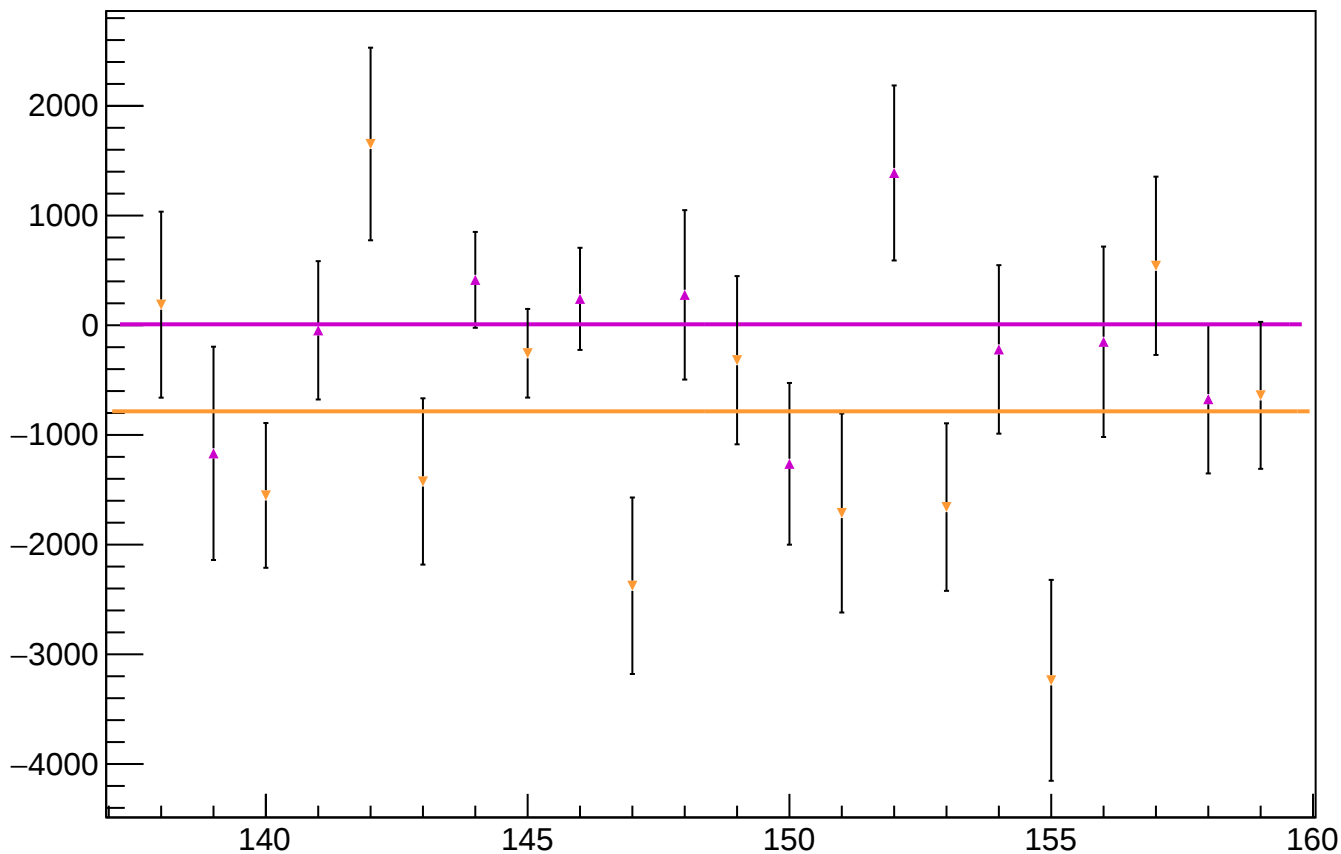
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 65.300+/-0.016 χ^2/NDF :234626.3/9

66.566+/-0.016 χ^2/NDF : 157263.0/11

65.300+/-0.016 χ^2/NDF : 234626.3/9

asym_sam_3726_avg_correction_mean vs Slug



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

Left Out: -784.616+/-204.306 χ^2/NDF : 29.3/11

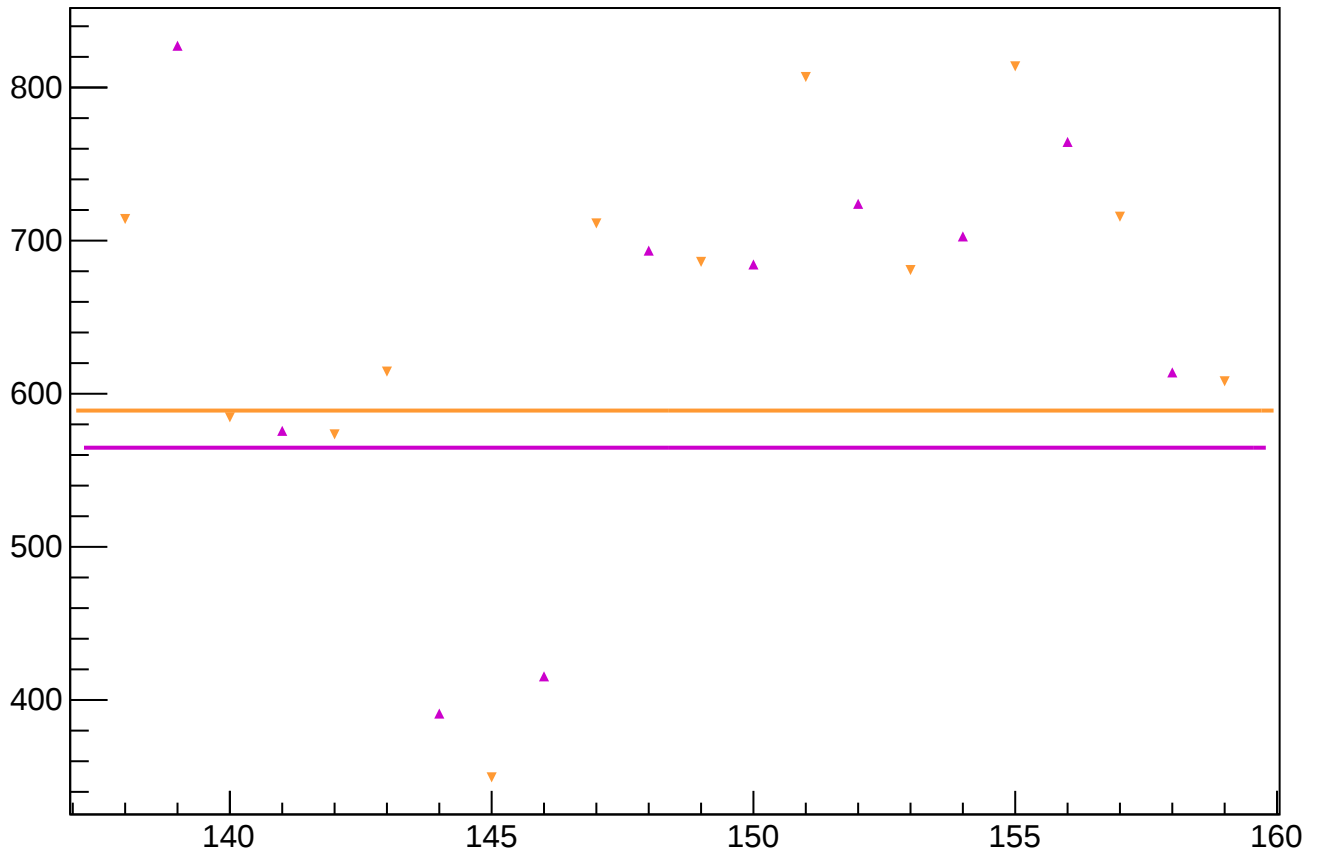
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 8.589+/-205.347 χ^2/NDF : 9.8/9

-784.616+/-204.306 χ^2/NDF : 29.3/11

8.589+/-205.347 χ^2/NDF : 9.8/9

asym_sam_3726_avg_correction_rms vs Slug



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

Left Out: 589.019+/-0.144 χ^2/NDF : 1142107.2/11

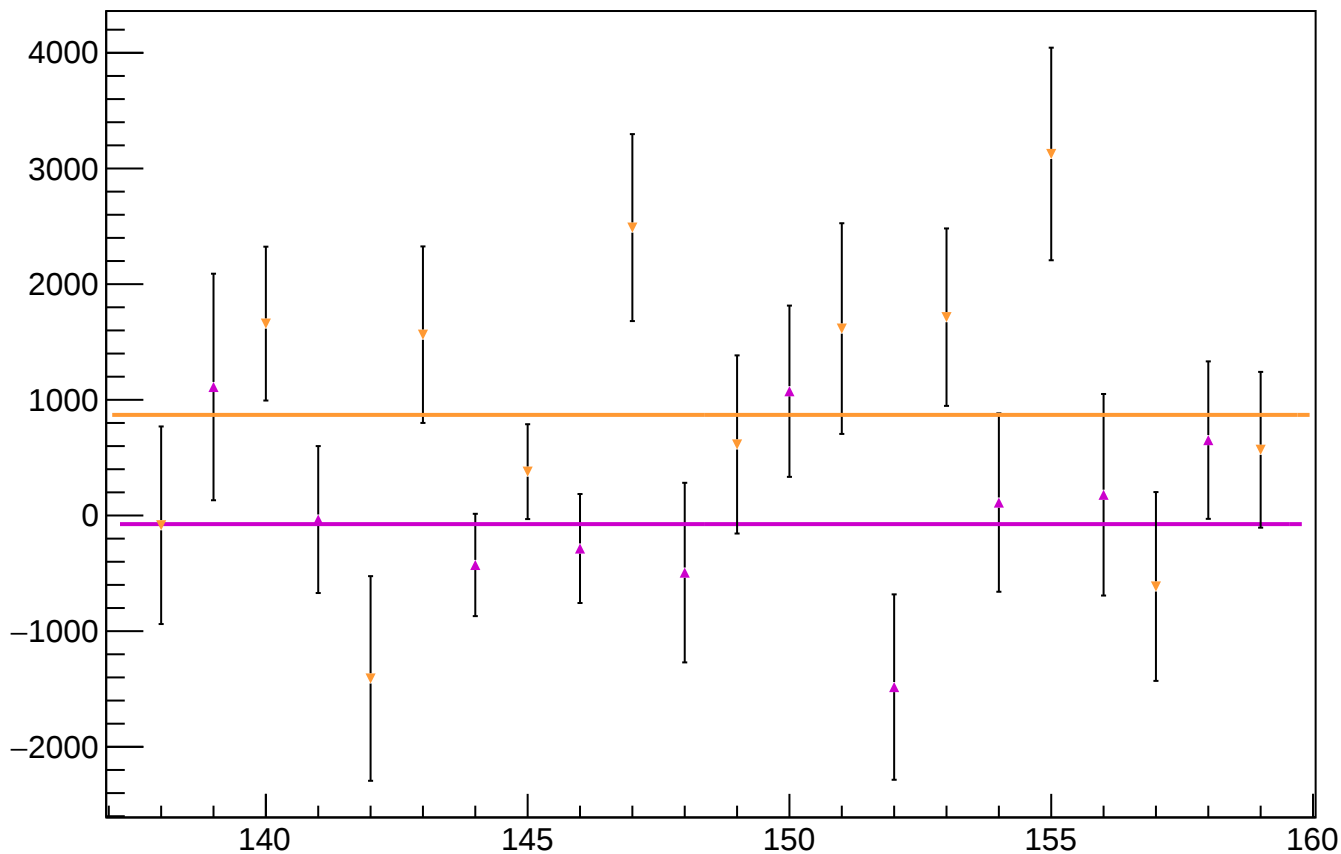
589.019+/-0.144 χ^2/NDF : 1142107.2/11

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

Left In: 564.763+/-0.145 χ^2/NDF : 1036821.2/9

564.763+/-0.145 χ^2/NDF : 1036821.2/9

asym_sam_3726_avg_mean vs Slug



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

Left Out: 869.766+/-205.901 χ^2/NDF : 27.1/11

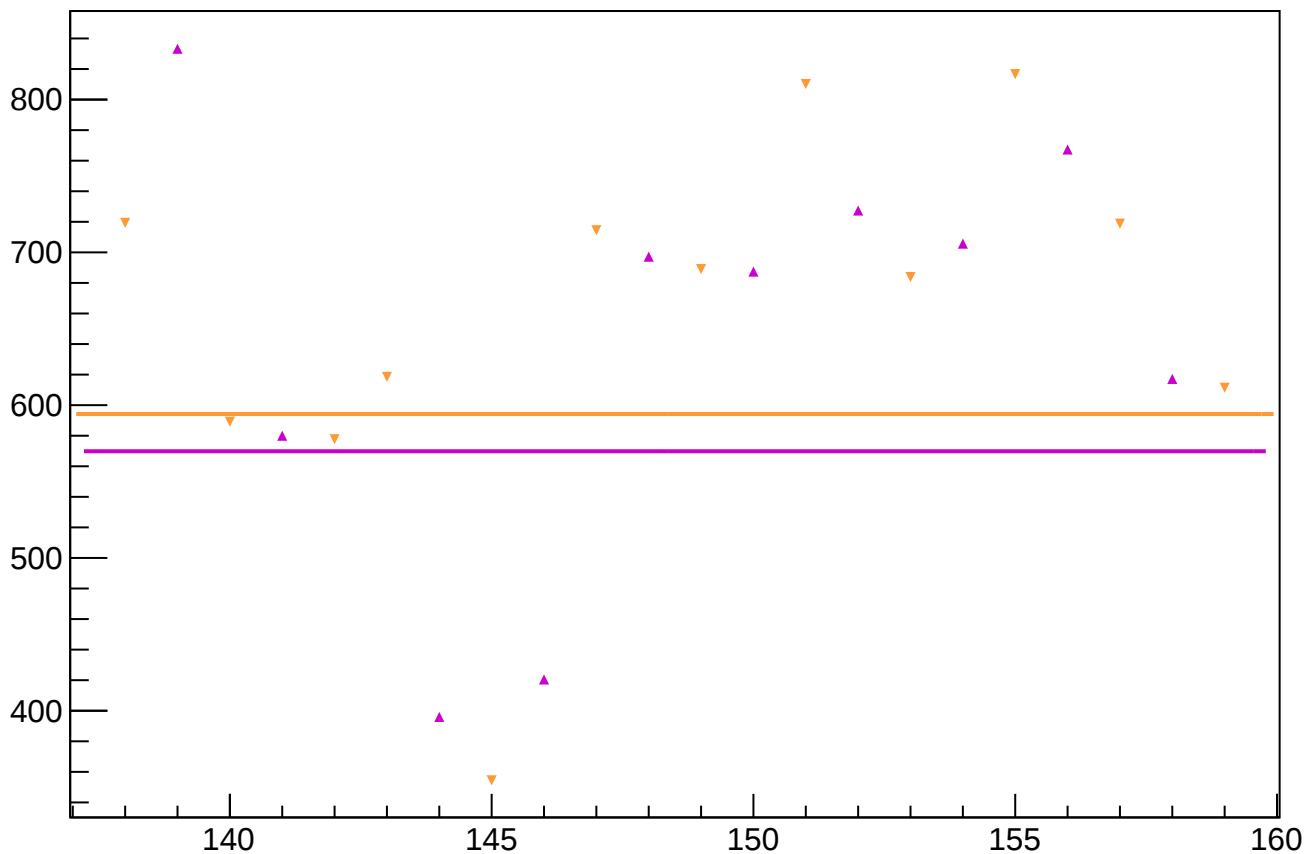
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -74.549+/-207.010 χ^2/NDF : 9.4/9

869.766+/-205.901 χ^2/NDF : 27.1/11

-74.549+/-207.010 χ^2/NDF : 9.4/9

asym_sam_3726_avg_rms vs Slug



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

Left Out: 594.189+/-0.146 χ^2/NDF :1109100.5/11

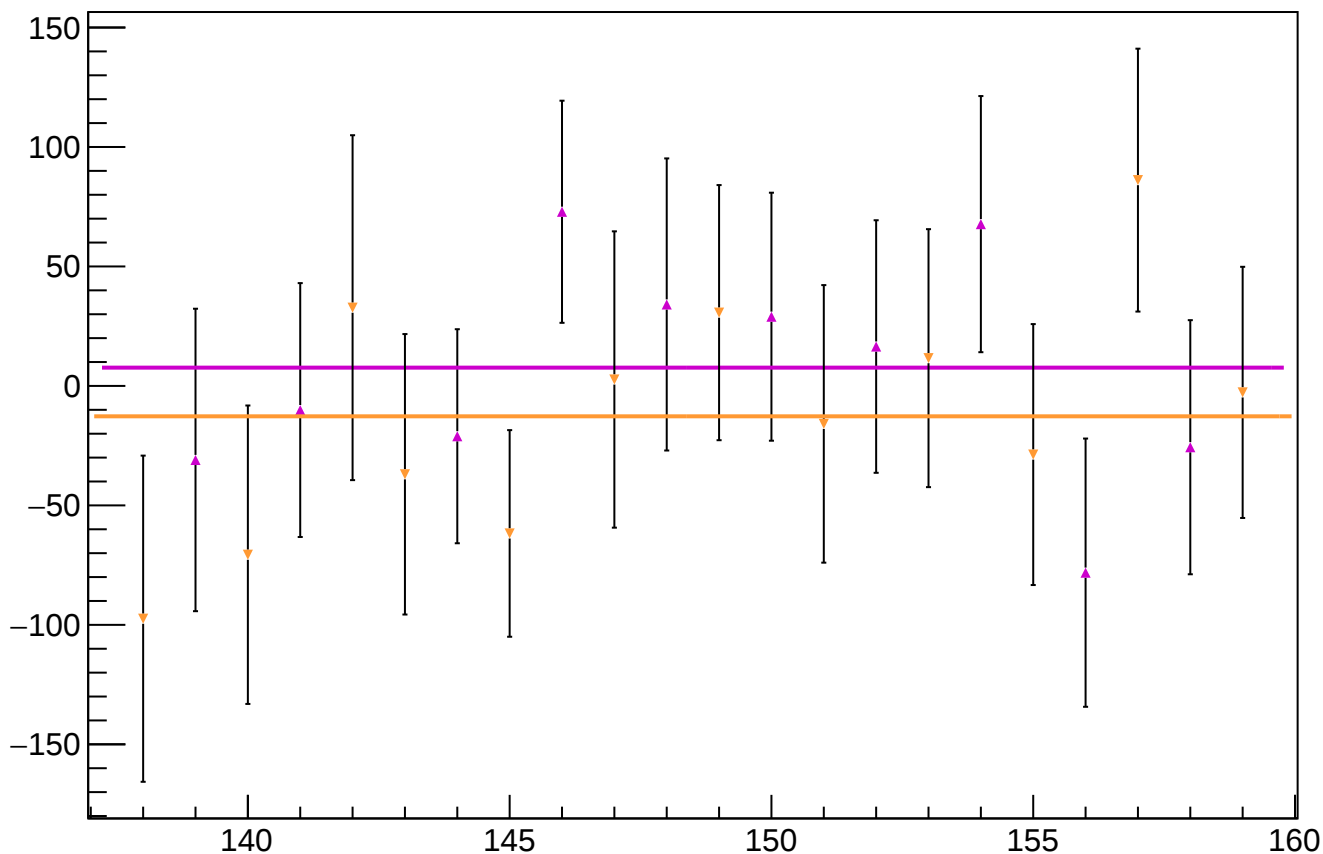
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 569.840+/-0.146 χ^2/NDF :1011352.8/9

594.189+/-0.146 χ^2/NDF : 1109100.5/11

569.840+/-0.146 χ^2/NDF : 1011352.8/9

reg_asym_sam_15_48_dd_mean vs Slug



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

Left Out: -12.722+/-16.294 χ^2/NDF : 8.5/11

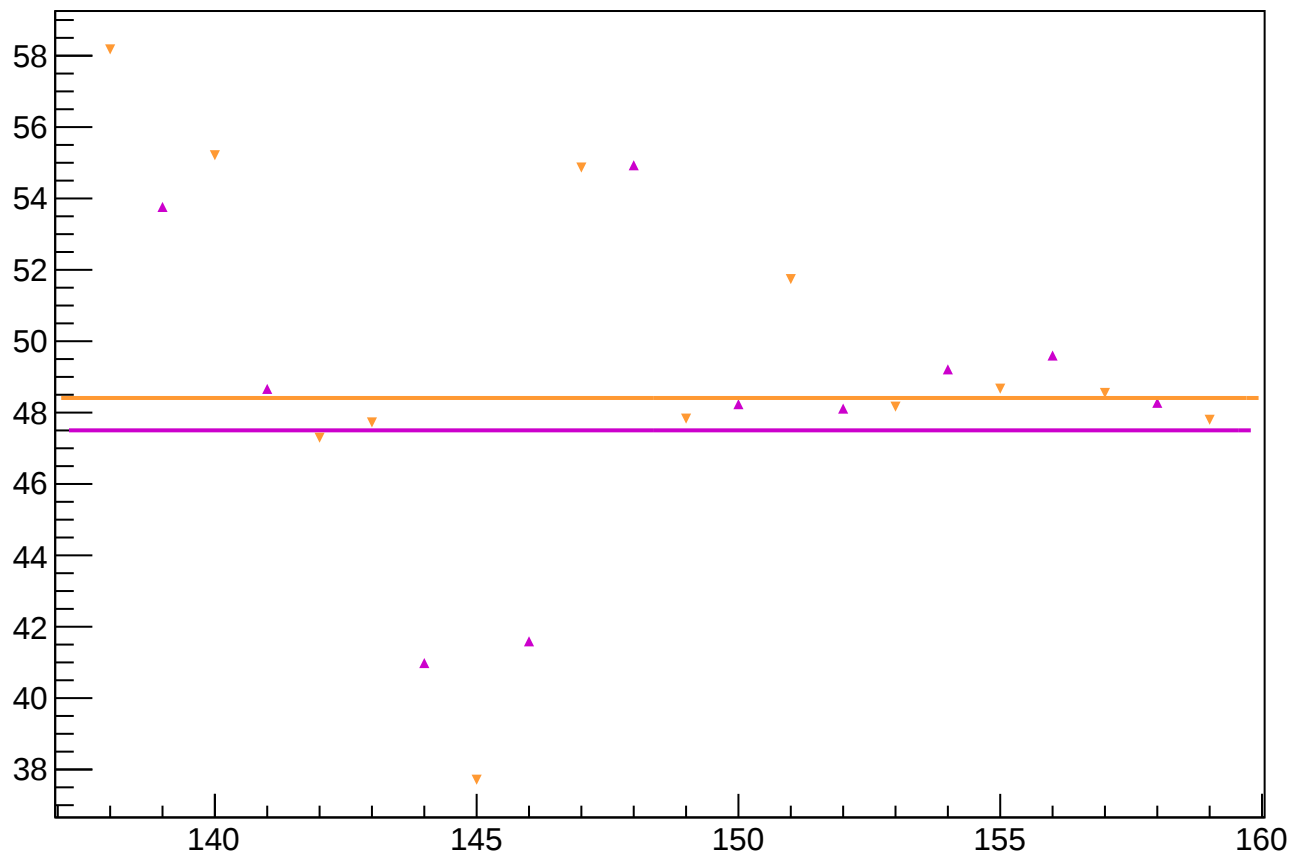
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 7.652+/-16.710 χ^2/NDF : 7.2/9

-12.722+/-16.294 χ^2/NDF : 8.5/11

7.652+/-16.710 χ^2/NDF : 7.2/9

reg_asym_sam_15_48_dd_rms vs Slug



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

Left Out: 48.410+/-0.012 χ^2/NDF :216663.6/11

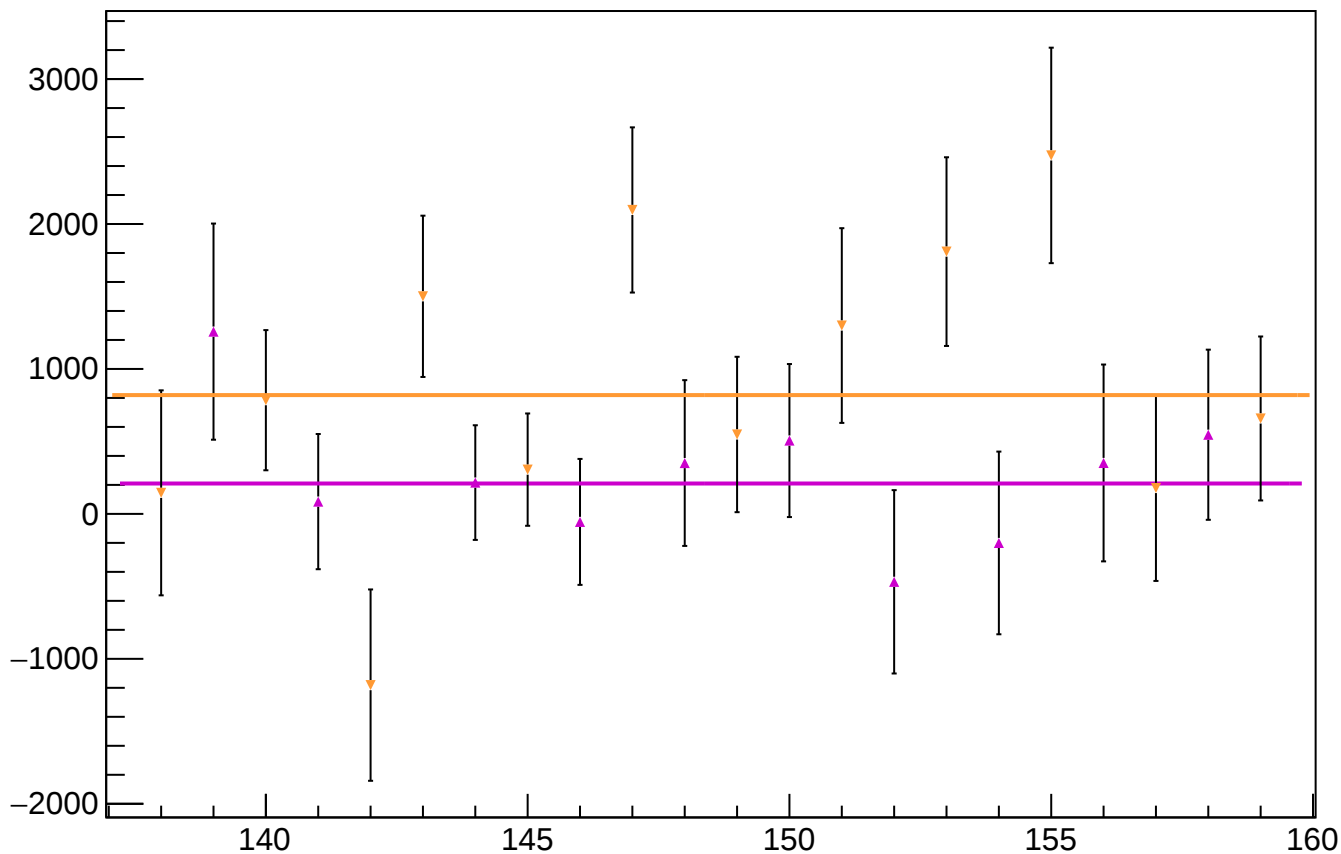
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 47.503+/-0.012 χ^2/NDF :130691.2/9

48.410+/-0.012 χ^2/NDF : 216663.6/11

47.503+/-0.012 χ^2/NDF : 130691.2/9

asym_sam_15_48_dd_correction_mean vs Slug



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

Left Out: 819.623 $\pm$ 164.471 χ^2 /NDF: 27.5/11

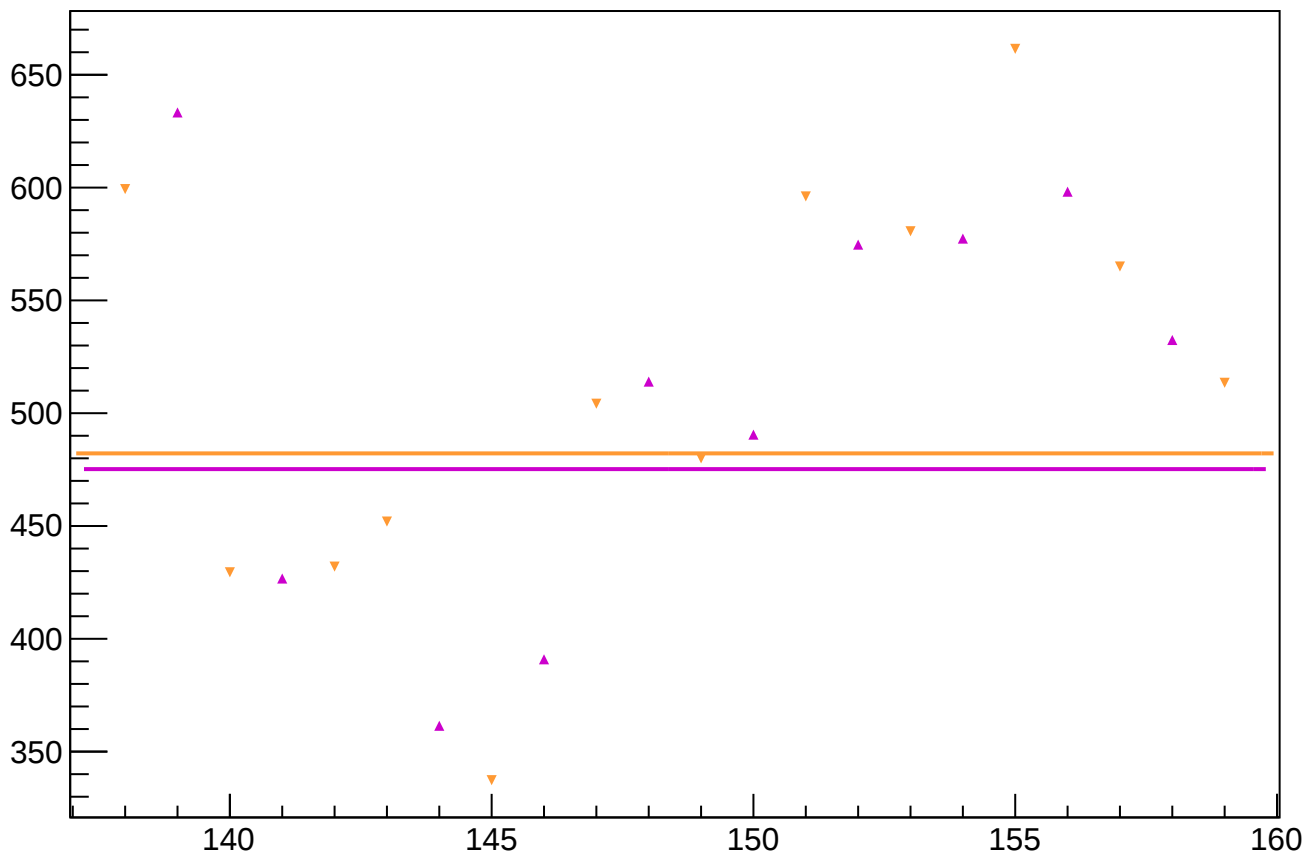
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 209.643 $\pm$ 169.464 χ^2 /NDF: 4.7/9

819.623 $\pm$ 164.471 χ^2 /NDF: 27.5/11

209.643 $\pm$ 169.464 χ^2 /NDF: 4.7/9

asym_sam_15_48_dd_correction_rms vs Slug



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

Left Out: 482.188+/-0.116 χ^2/NDF : 637827.4/11

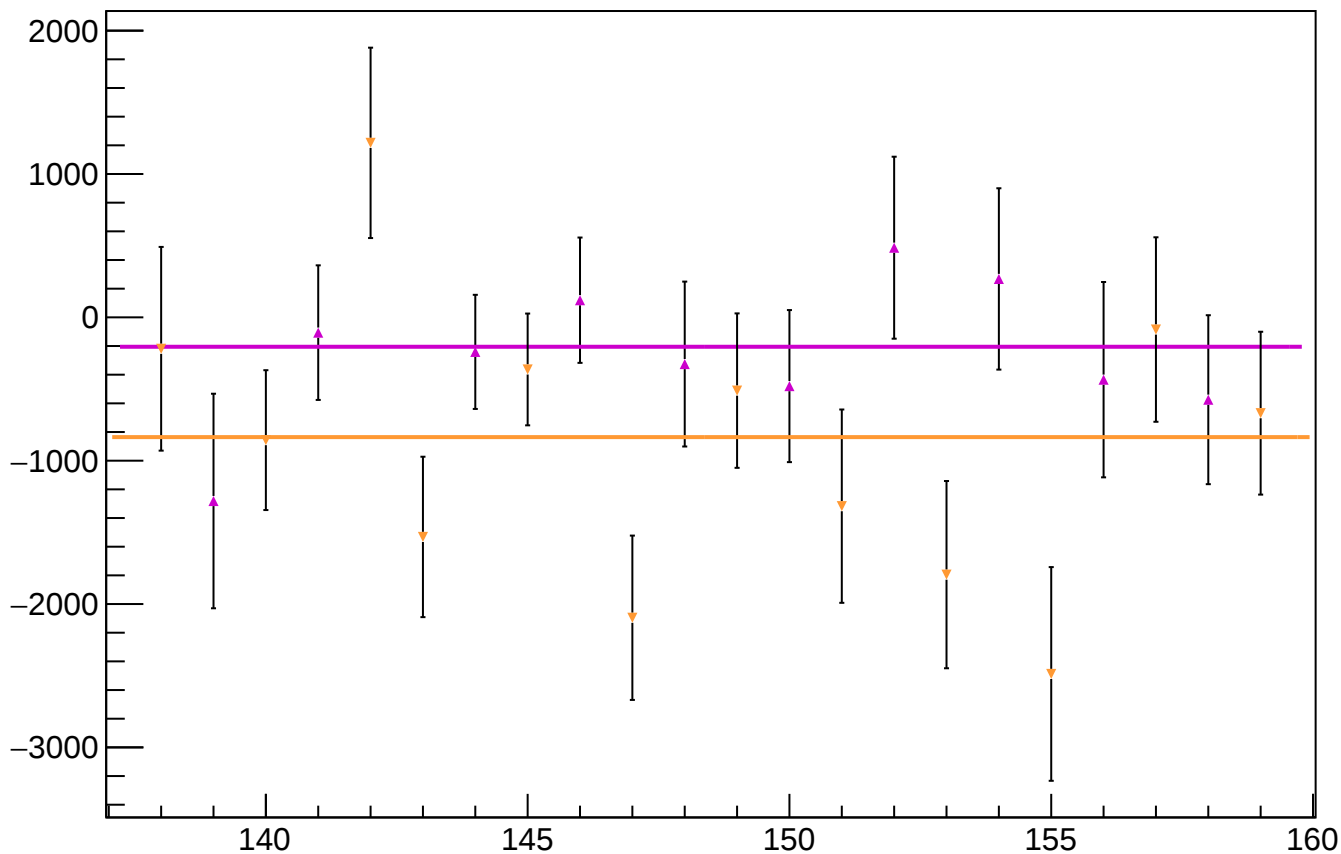
482.188+/-0.116 χ^2/NDF : 637827.4/11

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

Left In: 475.217+/-0.120 χ^2/NDF : 549879.2/9

475.217+/-0.120 χ^2/NDF : 549879.2/9

asym_sam_15_48_dd_mean vs Slug



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

Left Out: -835.561+/-165.366 χ^2/NDF : 27.5/11

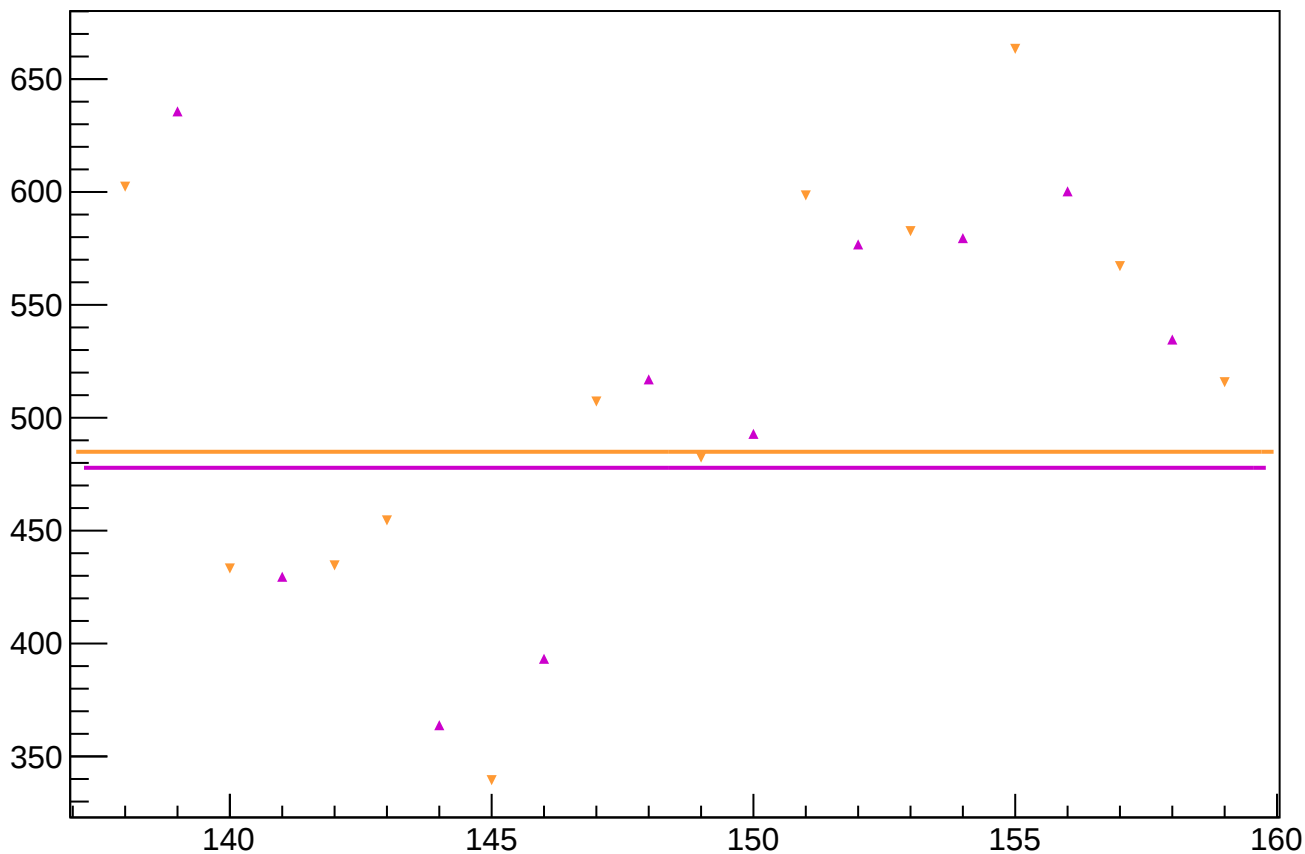
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -205.192+/-170.358 χ^2/NDF : 5.2/9

-835.561+/-165.366 χ^2/NDF : 27.5/11

-205.192+/-170.358 χ^2/NDF : 5.2/9

asym_sam_15_48_dd_rms vs Slug



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

Left Out: 484.935+/-0.117 χ^2/NDF : 630477.8/11

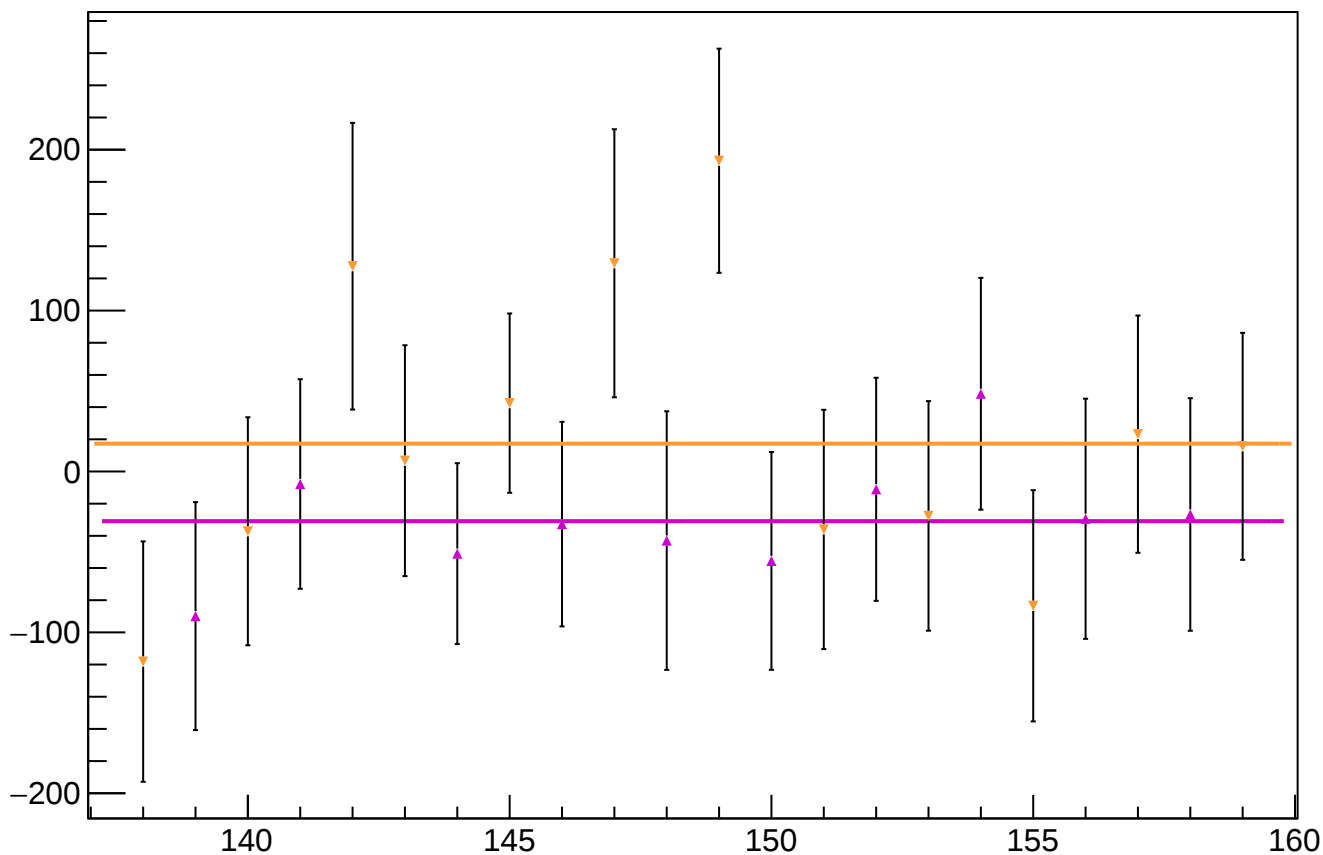
484.935+/-0.117 χ^2/NDF : 630477.8/11

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

477.833+/-0.120 χ^2/NDF : 543438.1/9

Left In: 477.833+/-0.120 χ^2/NDF : 543438.1/9

reg_asym_sam_37_48_dd_mean vs Slug



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

Left Out: 17.299+/-20.731 χ^2/NDF : 16.7/11

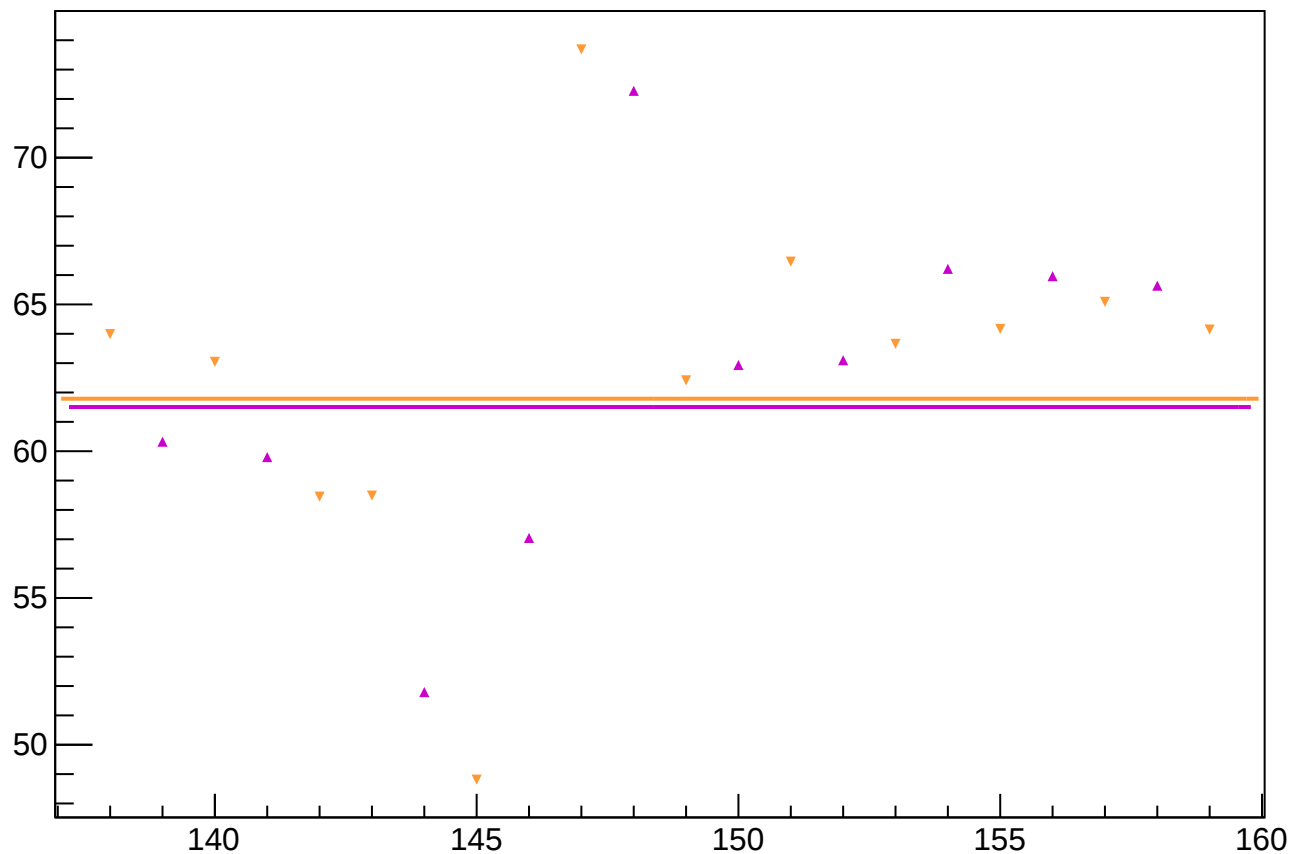
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -30.872+/-21.601 χ^2/NDF : 2.4/9

17.299+/-20.731 χ^2/NDF : 16.7/11

-30.872+/-21.601 χ^2/NDF : 2.4/9

reg_asym_sam_37_48_dd_rms vs Slug



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

Left Out: 61.788+/-0.015 χ^2/NDF :176518.4/11

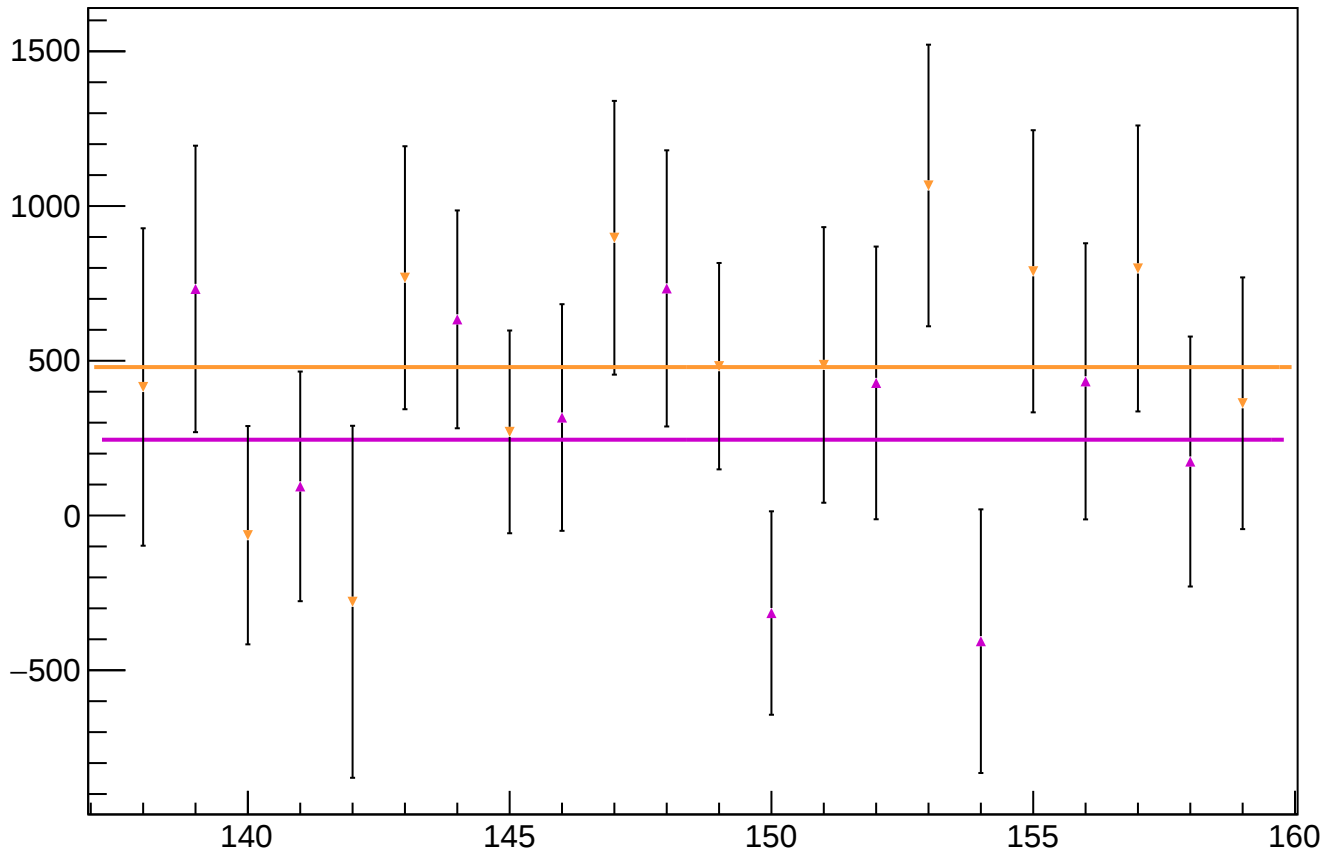
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 61.505+/-0.015 χ^2/NDF :131499.7/9

61.788+/-0.015 χ^2/NDF : 176518.4/11

61.505+/-0.015 χ^2/NDF : 131499.7/9

asym_sam_37_48_dd_correction_mean vs Slug



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

Left Out: 479.600 $\pm$ 120.118 χ^2 /NDF: 8.6/11

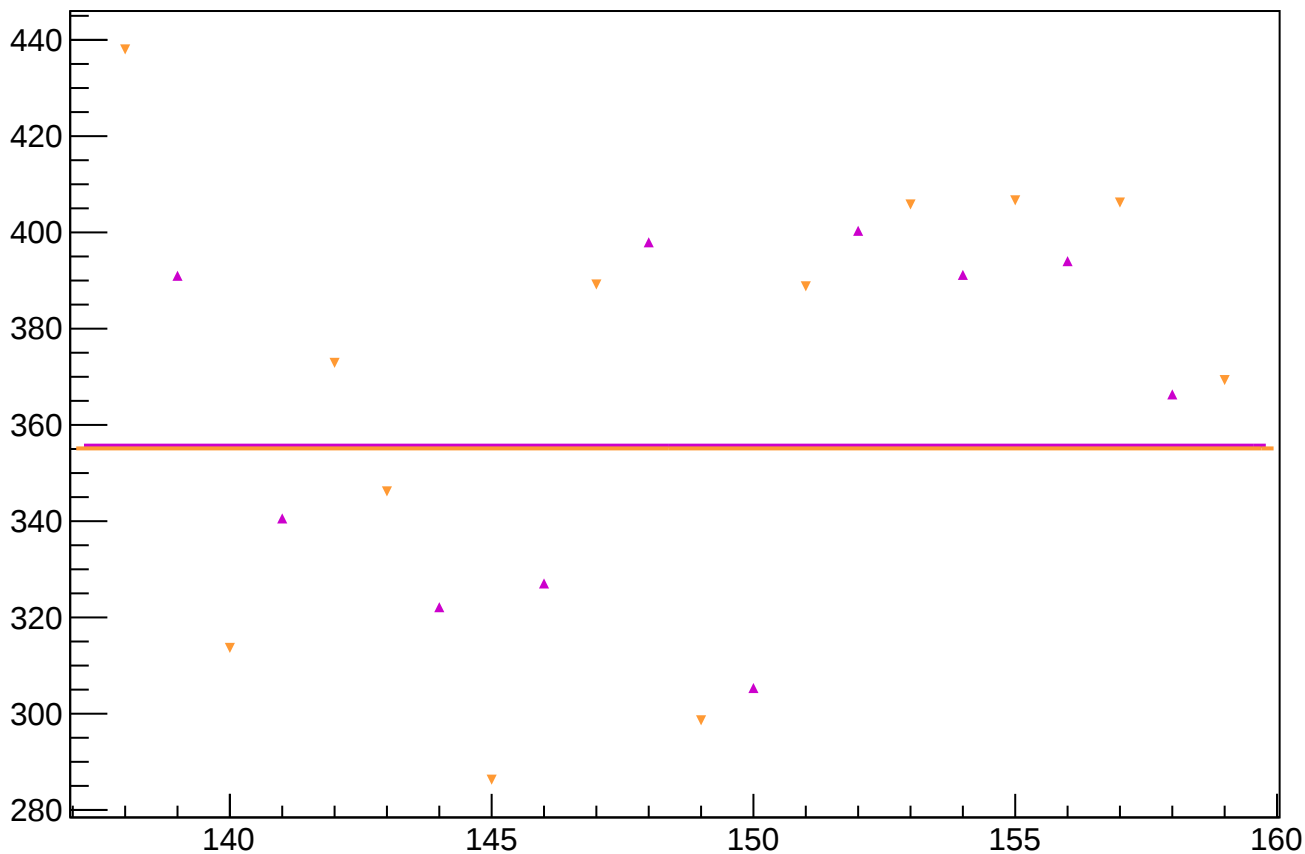
479.600 $\pm$ 120.118 χ^2 /NDF: 8.6/11

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

244.899 $\pm$ 125.436 χ^2 /NDF: 9.4/9

Left In: 244.899 $\pm$ 125.436 χ^2 /NDF: 9.4/9

asym_sam_37_48_dd_correction_rms vs Slug



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

Left Out: 355.120+/-0.085 χ^2/NDF : 328985.2/11

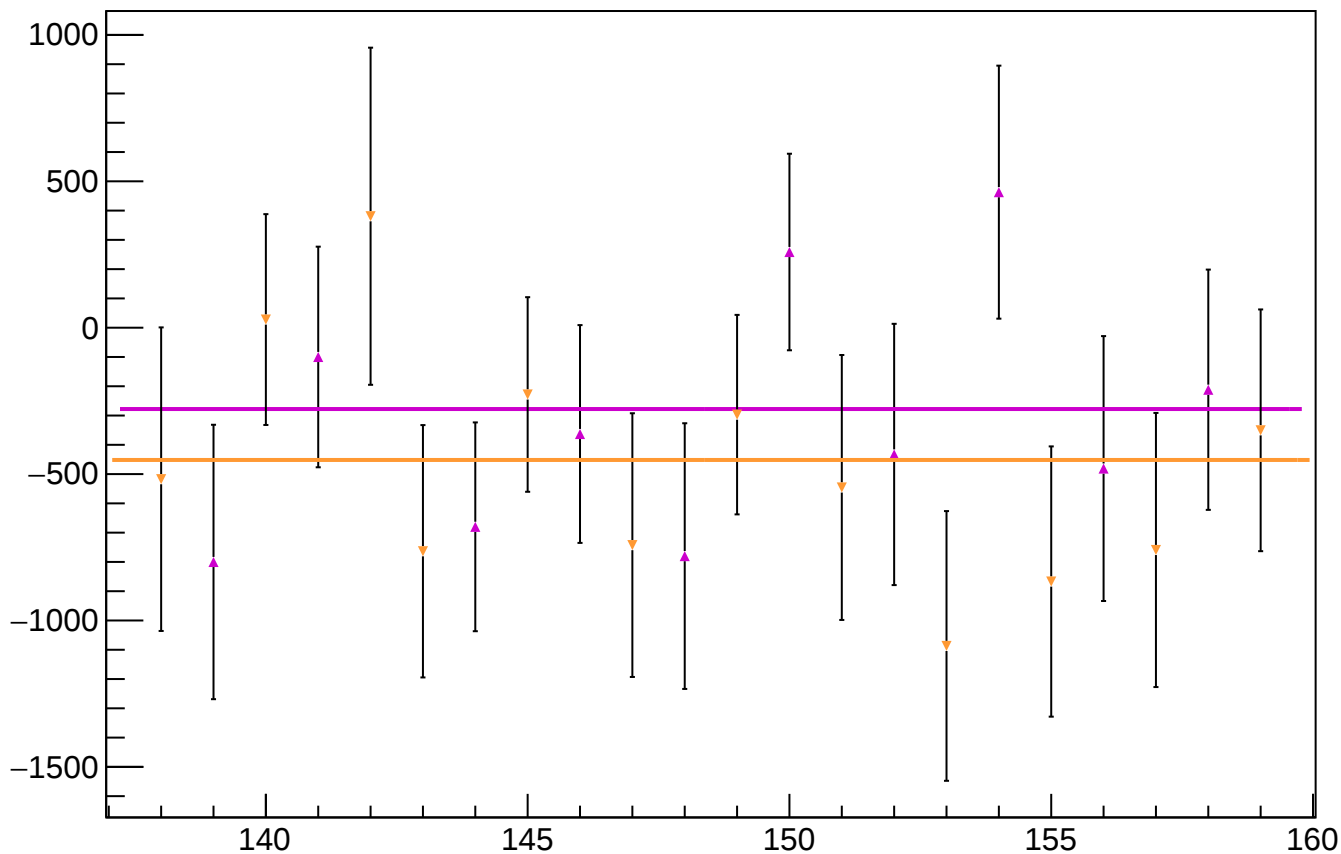
355.120+/-0.085 χ^2/NDF : 328985.2/11

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

355.694+/-0.089 χ^2/NDF : 160803.5/9

Left In: 355.694+/-0.089 χ^2/NDF : 160803.5/9

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -451.729+/-122.024 χ^2/NDF : 8.7/11

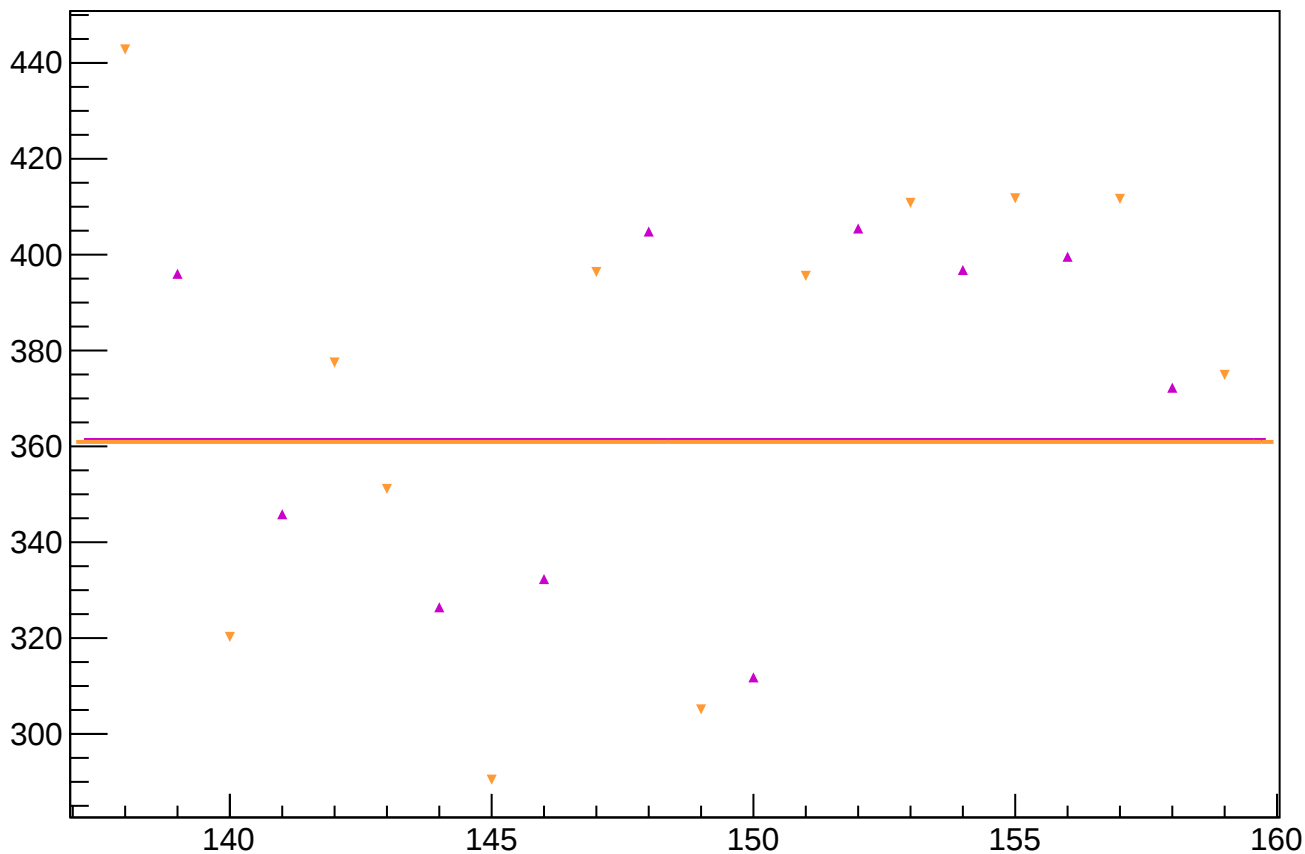
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -277.777+/-127.382 χ^2/NDF : 9.9/9

-451.729+/-122.024 χ^2/NDF : 8.7/11

-277.777+/-127.382 χ^2/NDF : 9.9/9

asym_sam_37_48_dd_rms vs Slug



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

Left Out: 360.934+/-0.086 χ^2/NDF : 319334.4/11

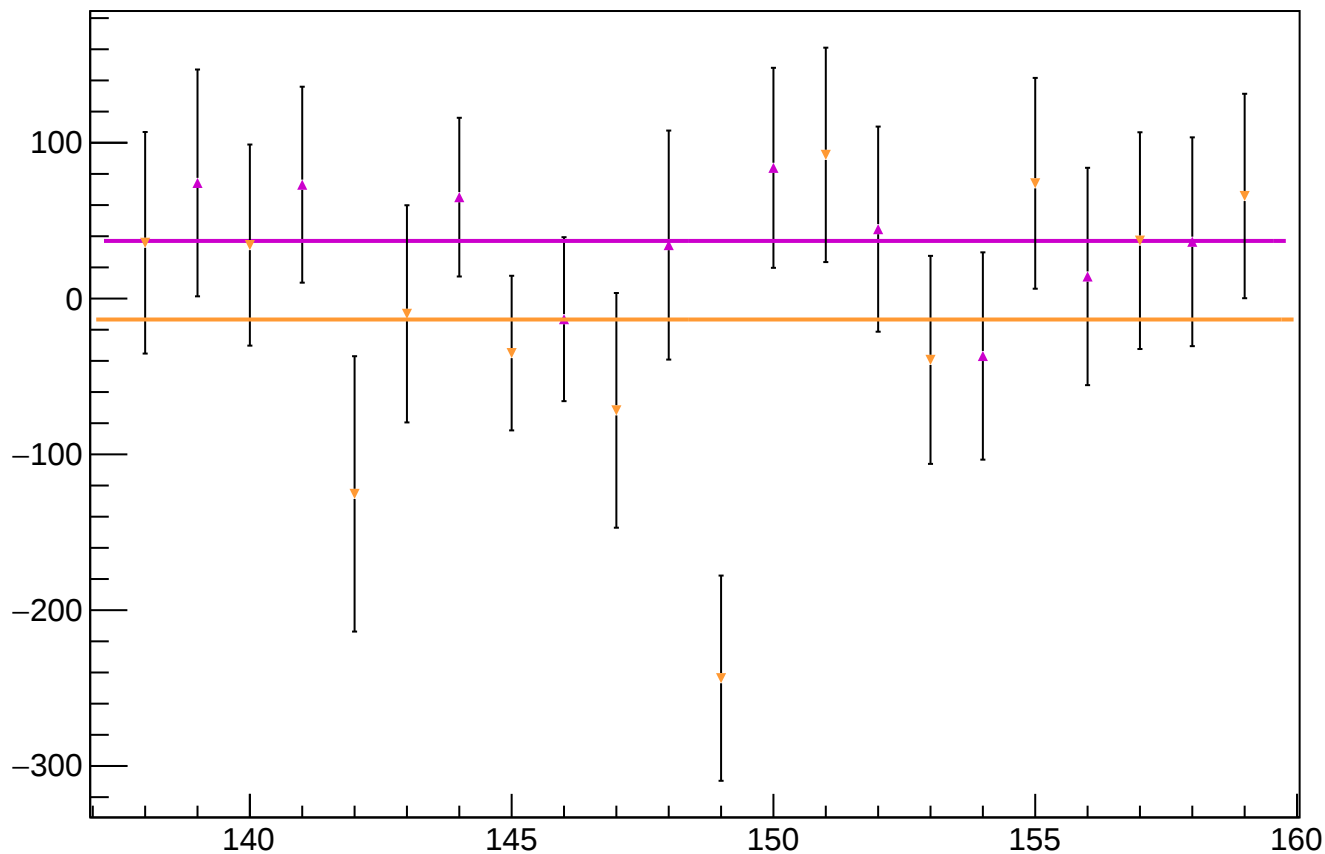
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 361.327+/-0.090 χ^2/NDF : 156326.0/9

360.934+/-0.086 χ^2/NDF : 319334.4/11

361.327+/-0.090 χ^2/NDF : 156326.0/9

reg_asym_sam_15_26_dd_mean vs Slug



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

Left Out: -13.442 $\pm$ 19.324 χ^2 /NDF: 21.8/11

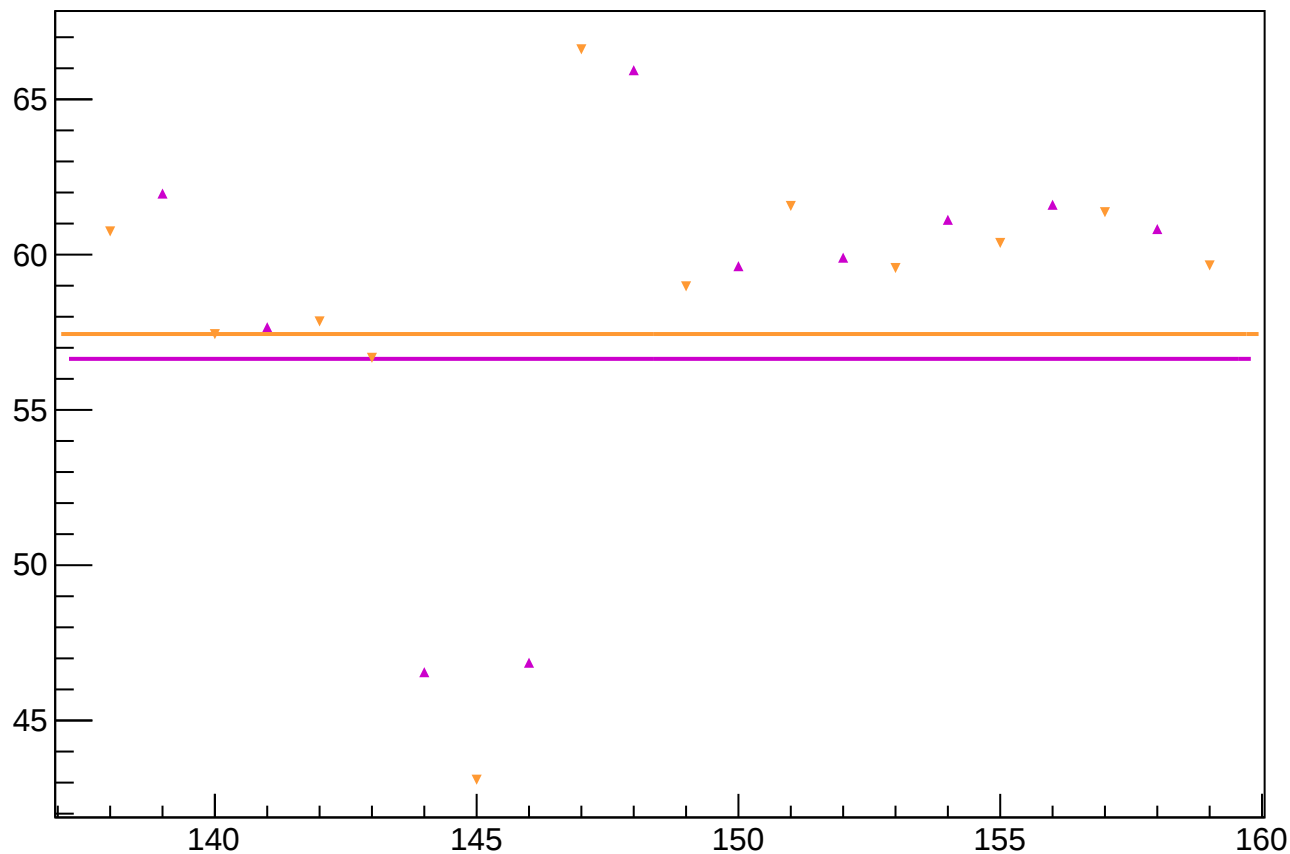
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 36.989 $\pm$ 19.995 χ^2 /NDF: 3.7/9

-13.442 $\pm$ 19.324 χ^2 /NDF: 21.8/11

36.989 $\pm$ 19.995 χ^2 /NDF: 3.7/9

reg_asym_sam_15_26_dd_rms vs Slug



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

Left Out: 57.444+/-0.014 χ^2/NDF : 224189.7/11

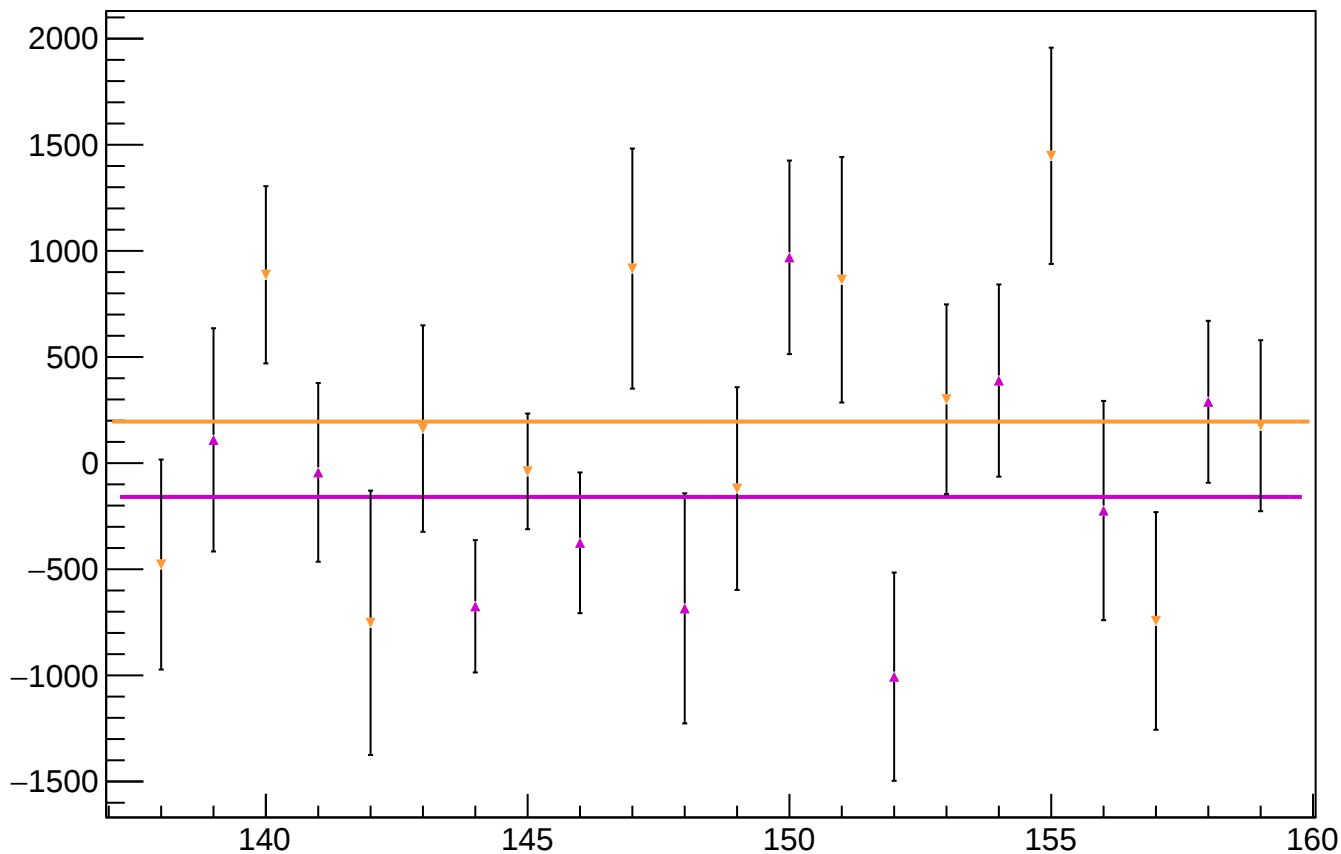
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 56.644+/-0.014 χ^2/NDF : 227003.7/9

57.444+/-0.014 χ^2/NDF : 224189.7/11

56.644+/-0.014 χ^2/NDF : 227003.7/9

asym_sam_15_26_dd_correction_mean vs Slug



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

Left Out: 195.693+/-129.736 χ^2/NDF : 20.5/11

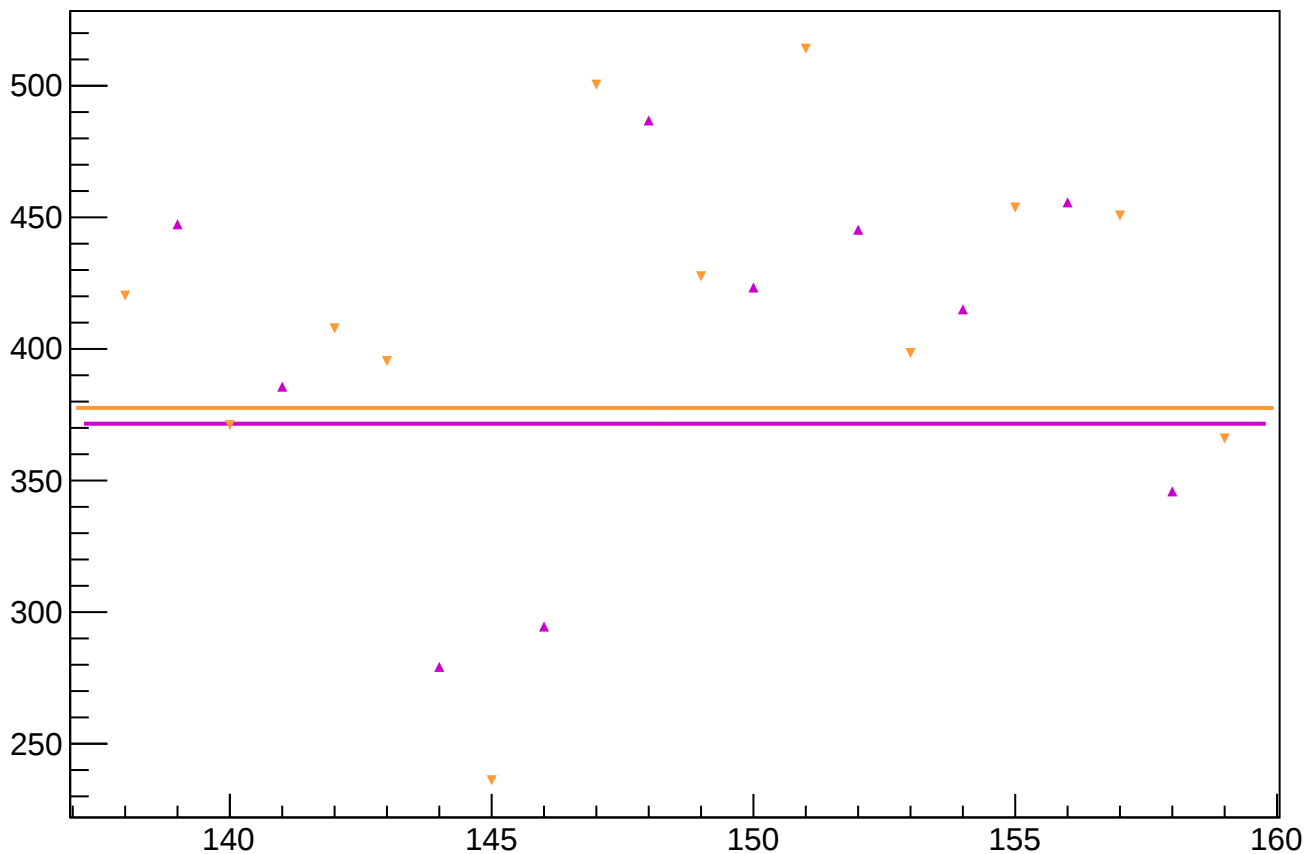
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -159.297+/-133.033 χ^2/NDF : 16.4/9

195.693+/-129.736 χ^2/NDF : 20.5/11

-159.297+/-133.033 χ^2/NDF : 16.4/9

asym_sam_15_26_dd_correction_rms vs Slug



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

Left Out: 377.586+/-0.092 χ^2/NDF : 880707.0/11

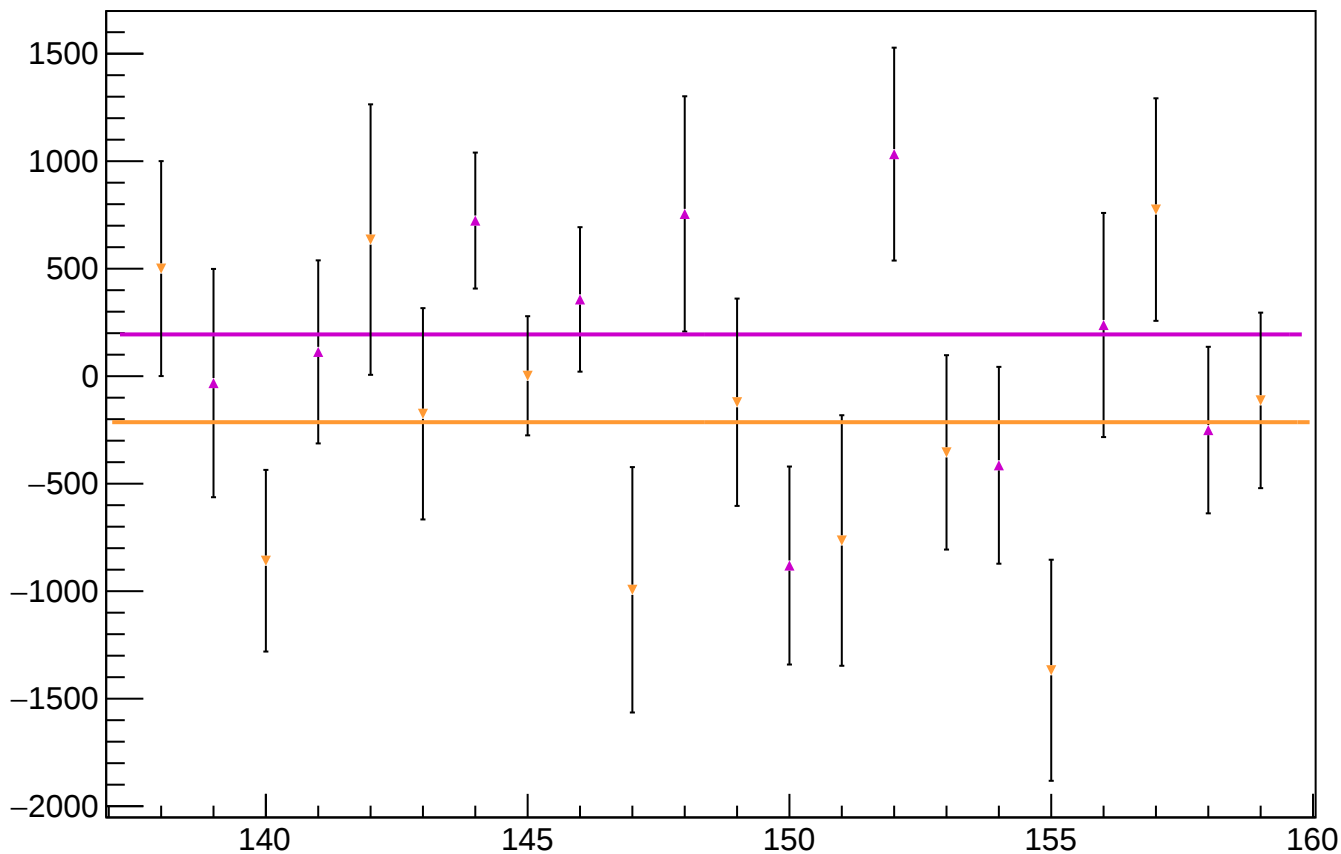
377.586+/-0.092 χ^2/NDF : 880707.0/11

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

Left In: 371.598+/-0.094 χ^2/NDF : 569307.8/9

371.598+/-0.094 χ^2/NDF : 569307.8/9

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -213.963+/-131.280 χ^2/NDF : 18.4/11

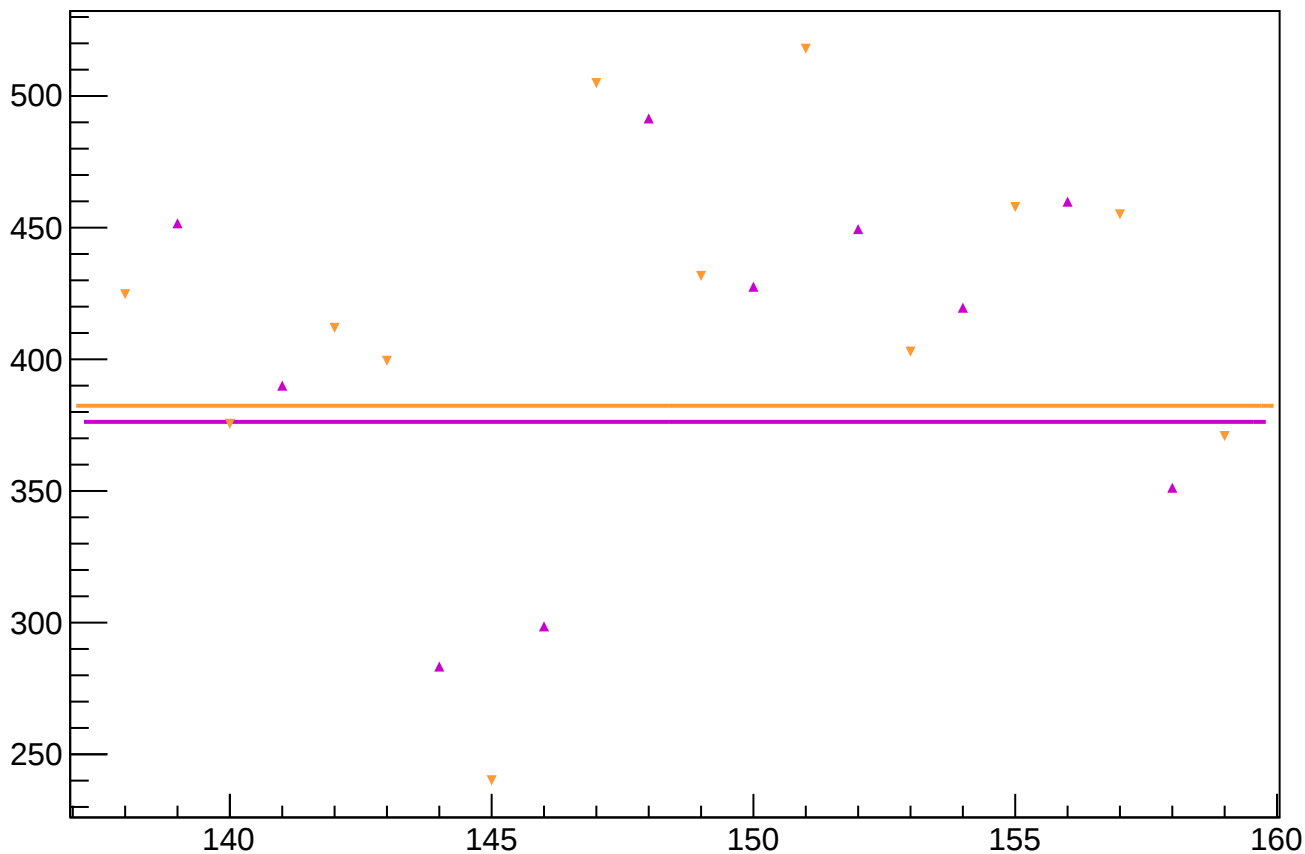
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 194.263+/-134.627 χ^2/NDF : 15.7/9

-213.963+/-131.280 χ^2/NDF : 18.4/11

194.263+/-134.627 χ^2/NDF : 15.7/9

asym_sam_15_26_dd_rms vs Slug



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

Left Out: 382.366+/-0.093 χ^2/NDF :858208.6/11

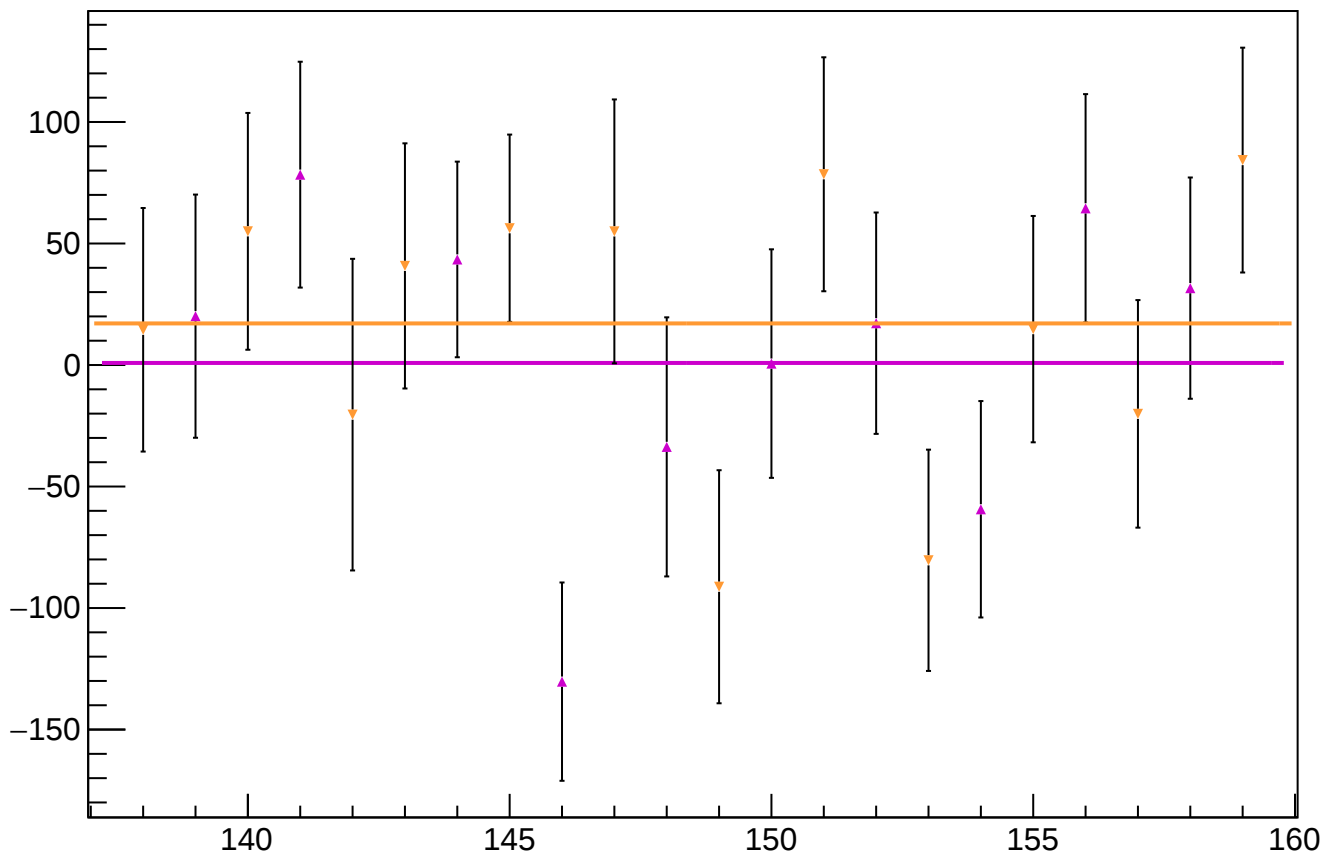
382.366+/-0.093 χ^2/NDF : 858208.6/11

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

Left In: 376.248+/-0.095 χ^2/NDF :556983.5/9

376.248+/-0.095 χ^2/NDF : 556983.5/9

reg_asym_sam_37_26_dd_mean vs Slug



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

Left Out: 17.116+/-13.865 χ^2/NDF :16.7/11

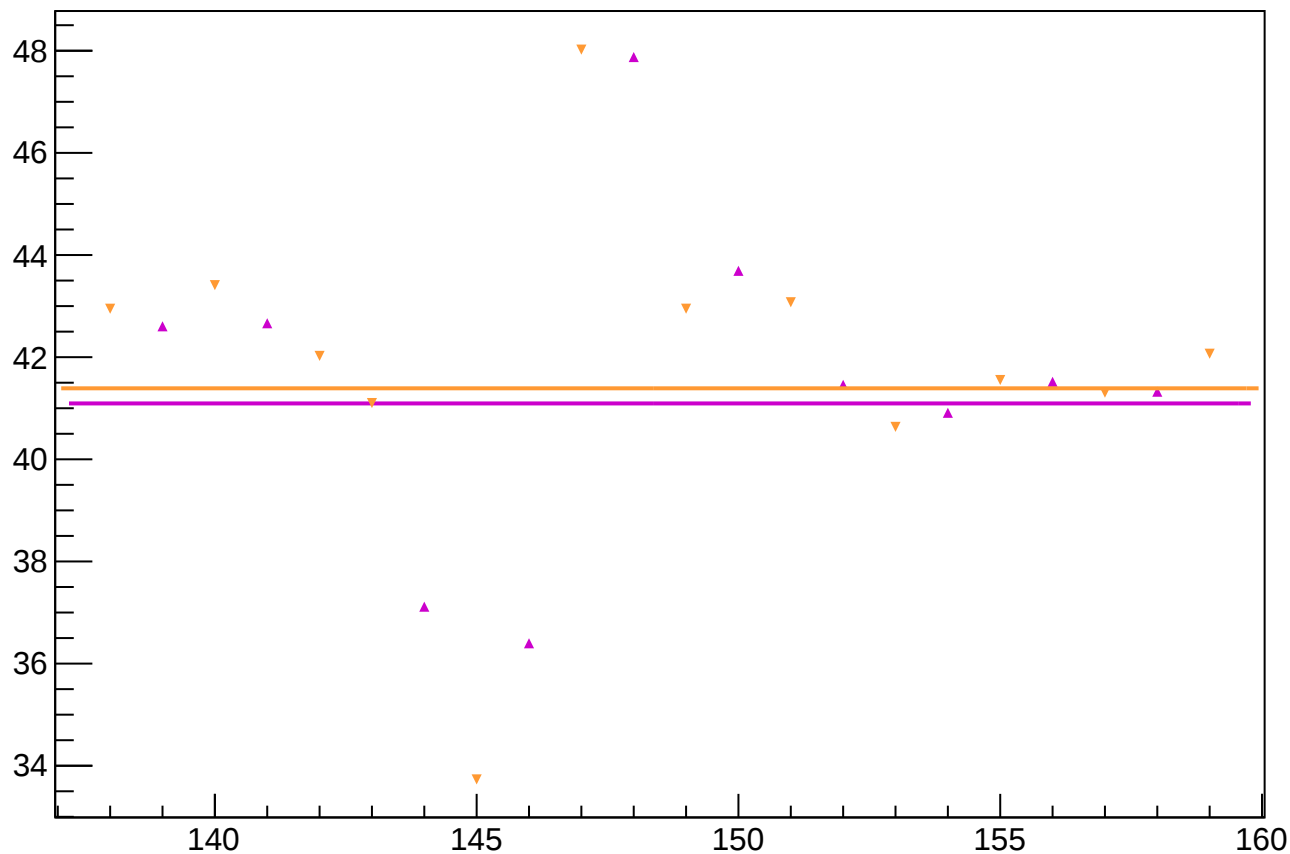
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.851+/-14.424 χ^2/NDF :19.0/9

17.116+/-13.865 χ^2/NDF : 16.7/11

0.851+/-14.424 χ^2/NDF : 19.0/9

reg_asym_sam_37_26_dd_rms vs Slug



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

Left Out: 41.390+/-0.010 χ^2/NDF : 120009.1/11

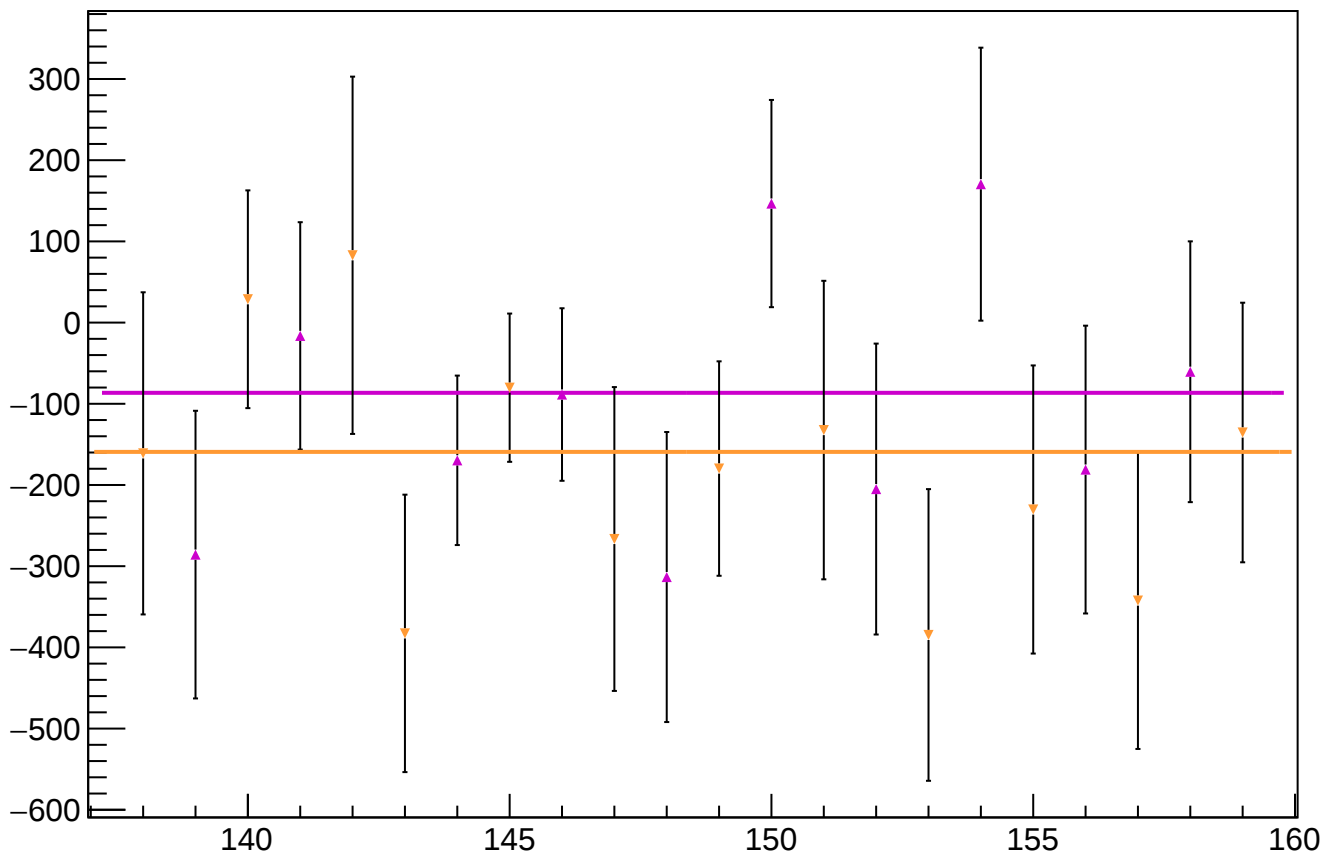
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 41.094+/-0.010 χ^2/NDF : 89002.8/9

41.390+/-0.010 χ^2/NDF : 120009.1/11

41.094+/-0.010 χ^2/NDF : 89002.8/9

asym_sam_37_26_dd_correction_mean vs Slug



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

Left Out: -159.240+/-44.576 χ^2/NDF : 8.8/11

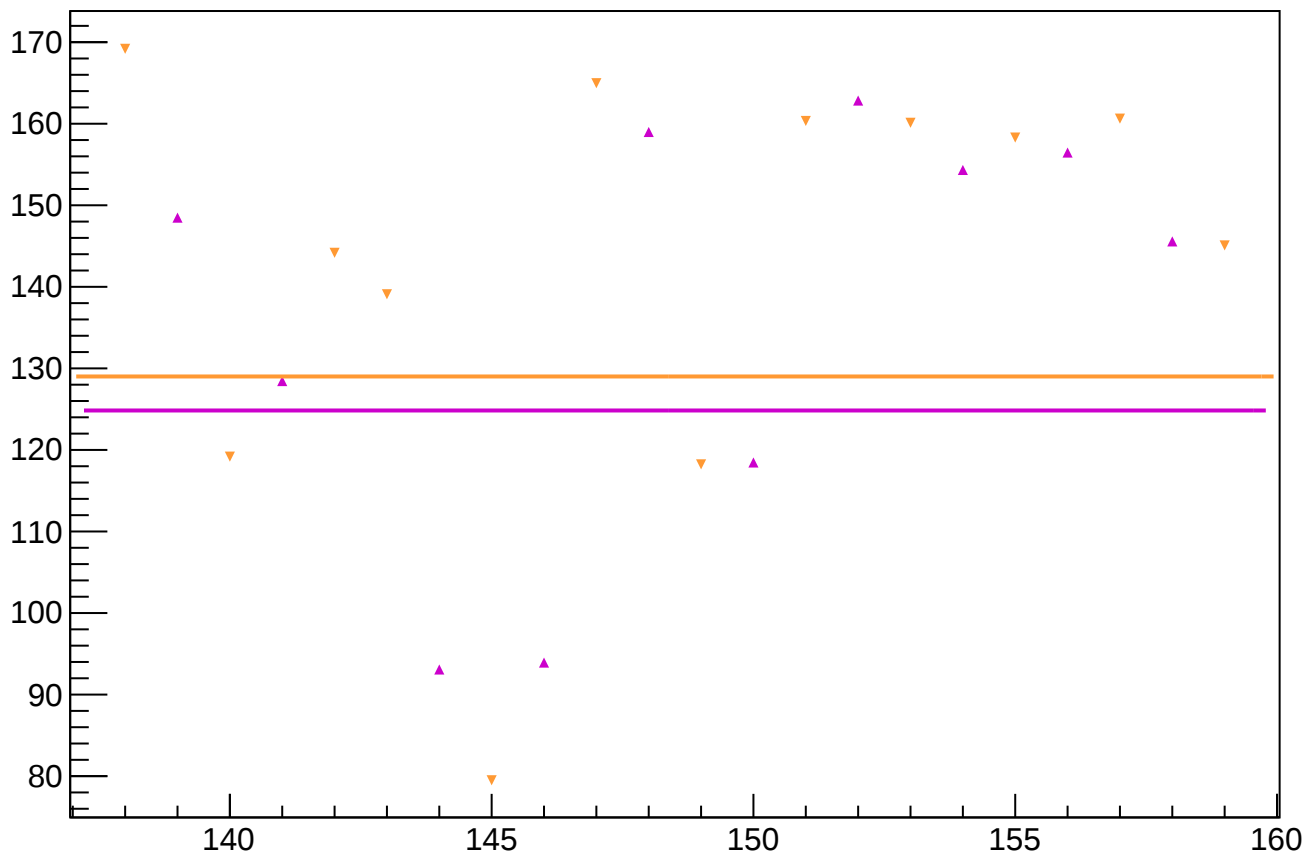
-159.240+/-44.576 χ^2/NDF : 8.8/11

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

Left In: -86.488+/-45.027 χ^2/NDF : 10.2/9

-86.488+/-45.027 χ^2/NDF : 10.2/9

asym_sam_37_26_dd_correction_rms vs Slug



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

129.007+/-0.032 χ^2/NDF : 1037424.6/11

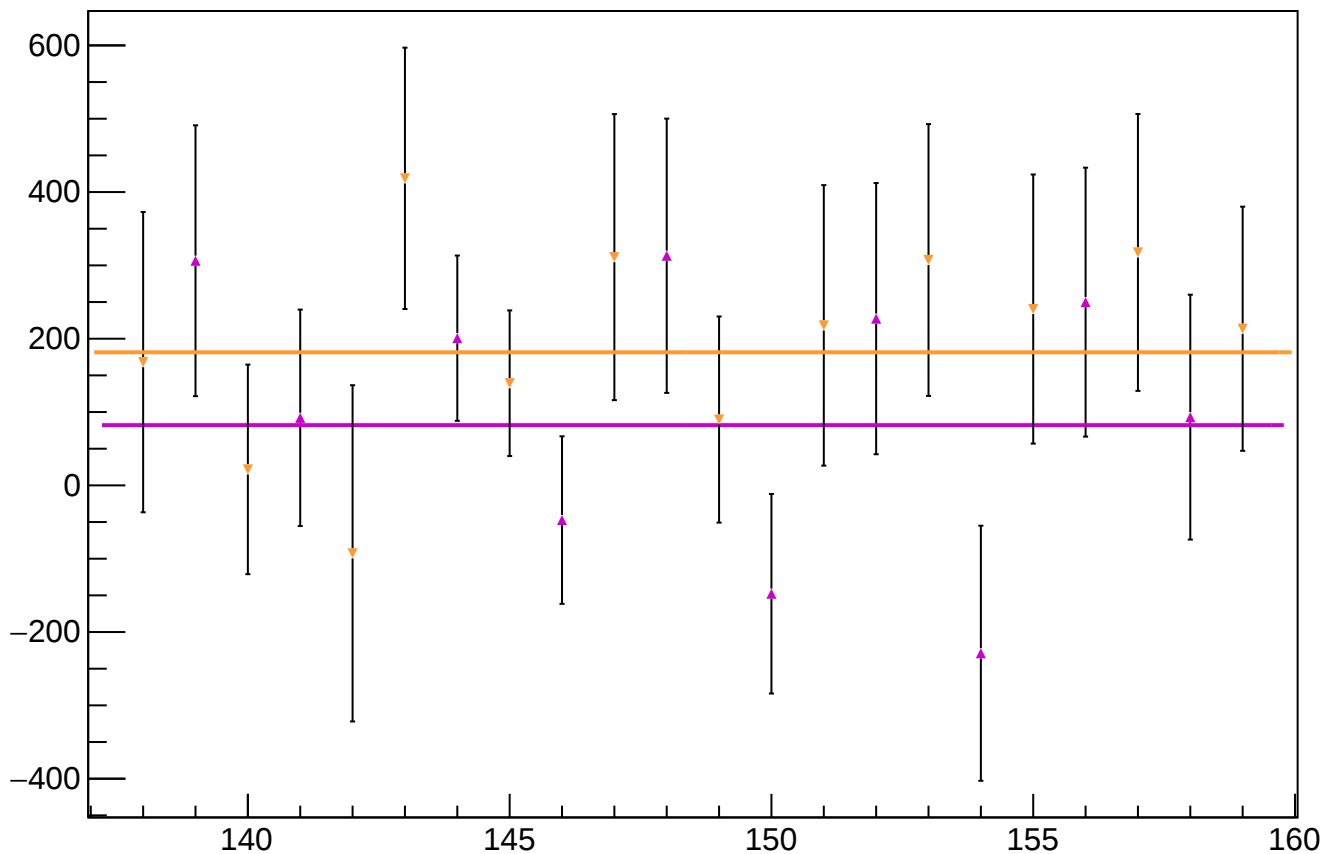
Left Out: 129.007+/-0.032 χ^2/NDF : 1037424.6/11

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

124.837+/-0.032 χ^2/NDF : 718295.8/9

Left In: 124.837+/-0.032 χ^2/NDF : 718295.8/9

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 181.498+/-47.043 χ^2/NDF : 6.7/11

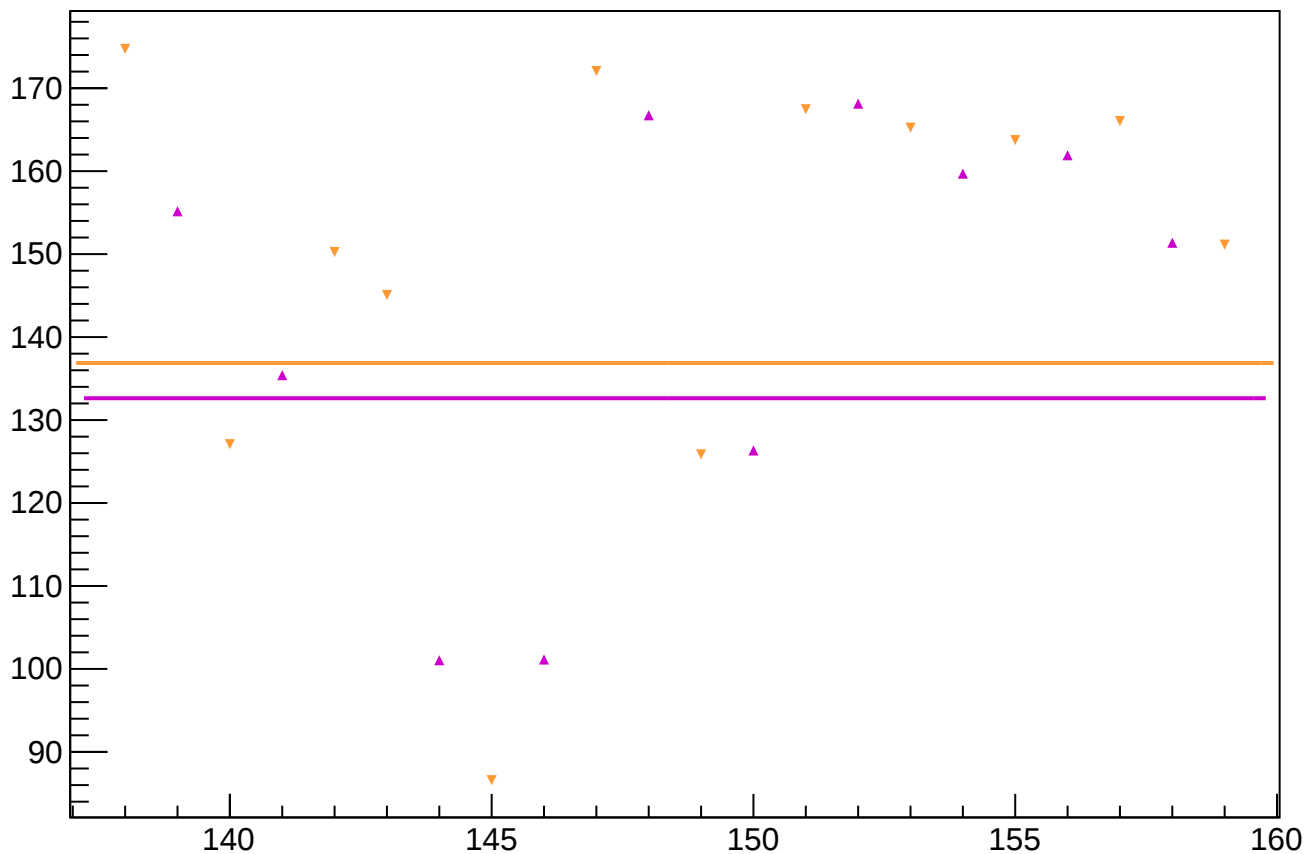
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 82.107+/-47.613 χ^2/NDF : 12.9/9

181.498+/-47.043 χ^2/NDF : 6.7/11

82.107+/-47.613 χ^2/NDF : 12.9/9

asym_sam_37_26_dd_rms vs Slug



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

Left Out: 136.874+/-0.033 χ^2/NDF : 882081.0/11

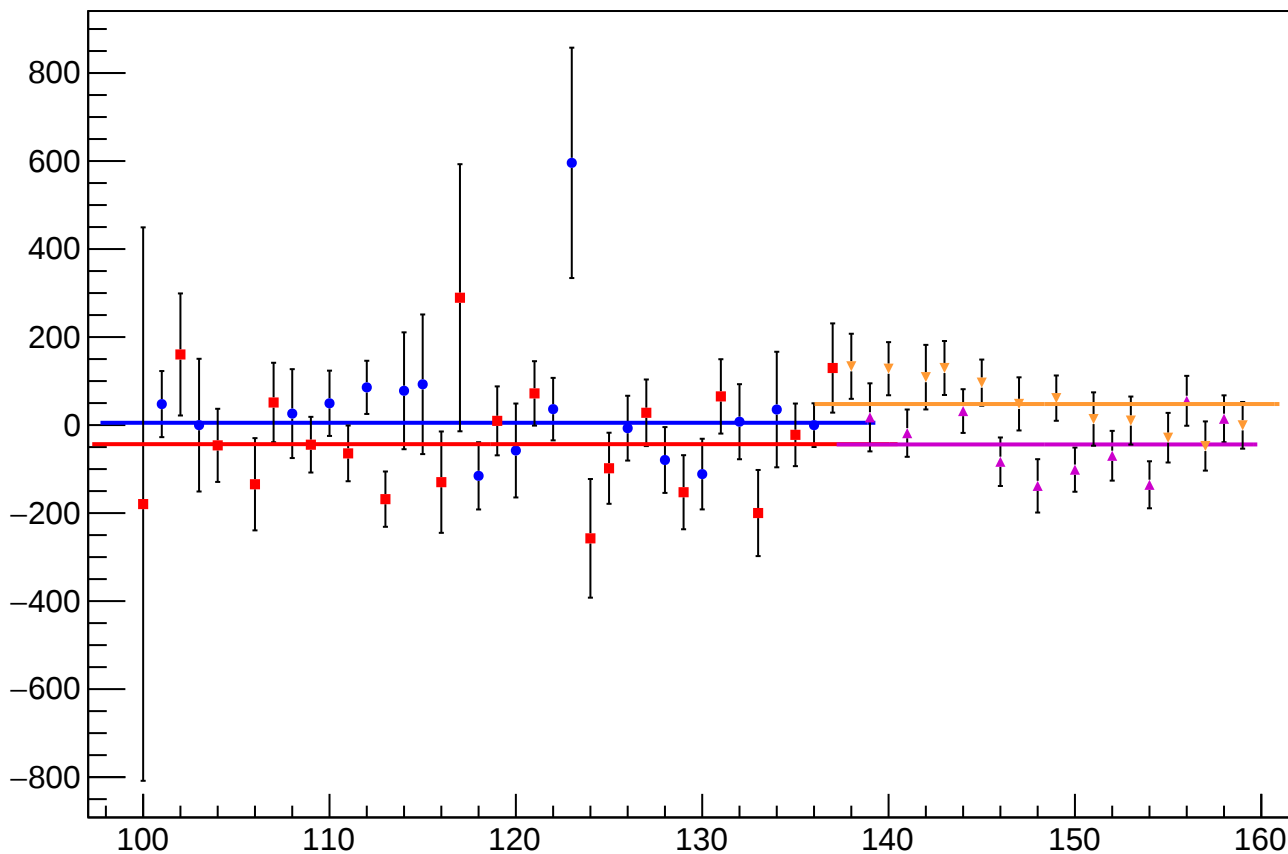
136.874+/-0.033 χ^2/NDF : 882081.0/11

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

Left In: 132.630+/-0.034 χ^2/NDF : 608731.7/9

132.630+/-0.034 χ^2/NDF : 608731.7/9

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 ± 20.150 $\chi^2/\text{NDF}: 14.7/16$

Left Out: 47.822 ± 16.849 $\chi^2/\text{NDF}: 12.9/11$

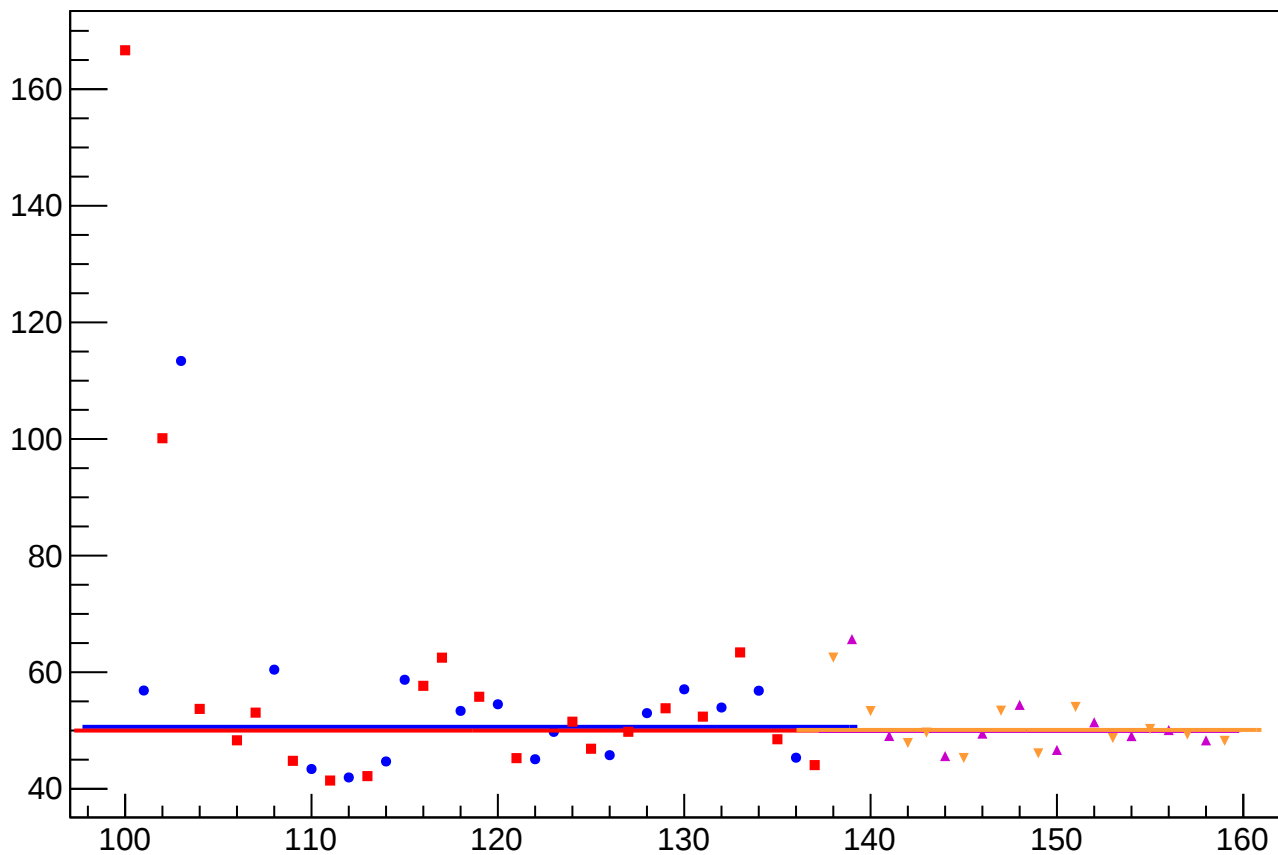
Right Out: -43.354 ± 19.371 $\chi^2/\text{NDF}: 25.6/19$

Left In: -44.021 ± 17.559 $\chi^2/\text{NDF}: 14.8/9$

30.292 ± 12.926 $\chi^2/\text{NDF}: 30.2/28$

-43.720 ± 13.010 $\chi^2/\text{NDF}: 40.4/29$

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635+/-0.014 χ^2/NDF : 519687.1/16

Left Out: 50.101+/-0.012 χ^2/NDF : 111699.8/11

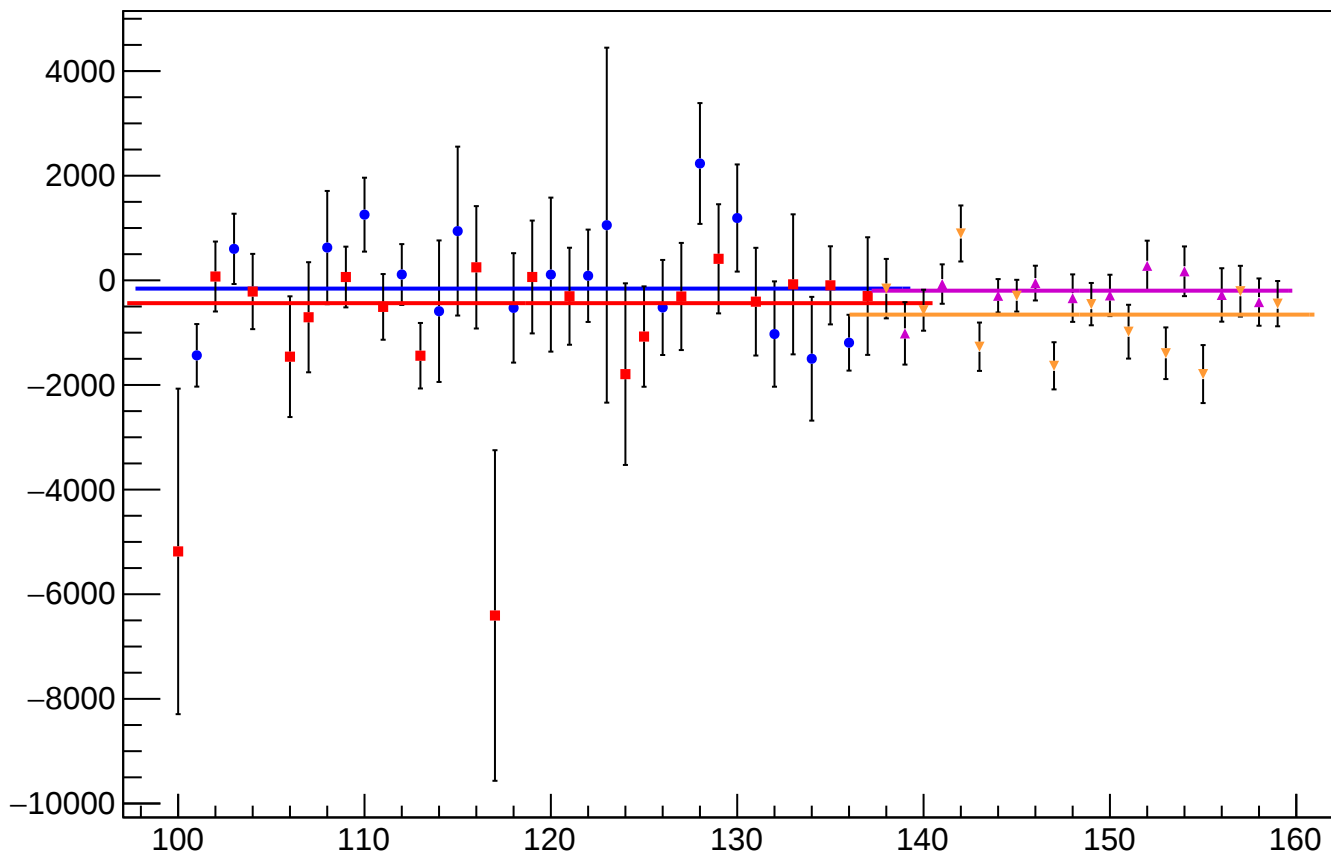
Right Out: 49.994+/-0.014 χ^2/NDF : 503898.1/19

Left In: 49.928+/-0.012 χ^2/NDF : 121747.1/9

50.321+/-0.009 χ^2/NDF : 632211.4/28

49.958+/-0.009 χ^2/NDF : 625657.9/29

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 ± 210.181 χ^2/NDF : 23.5/16

Left Out: -655.278 ± 128.713 χ^2/NDF : 25.3/11

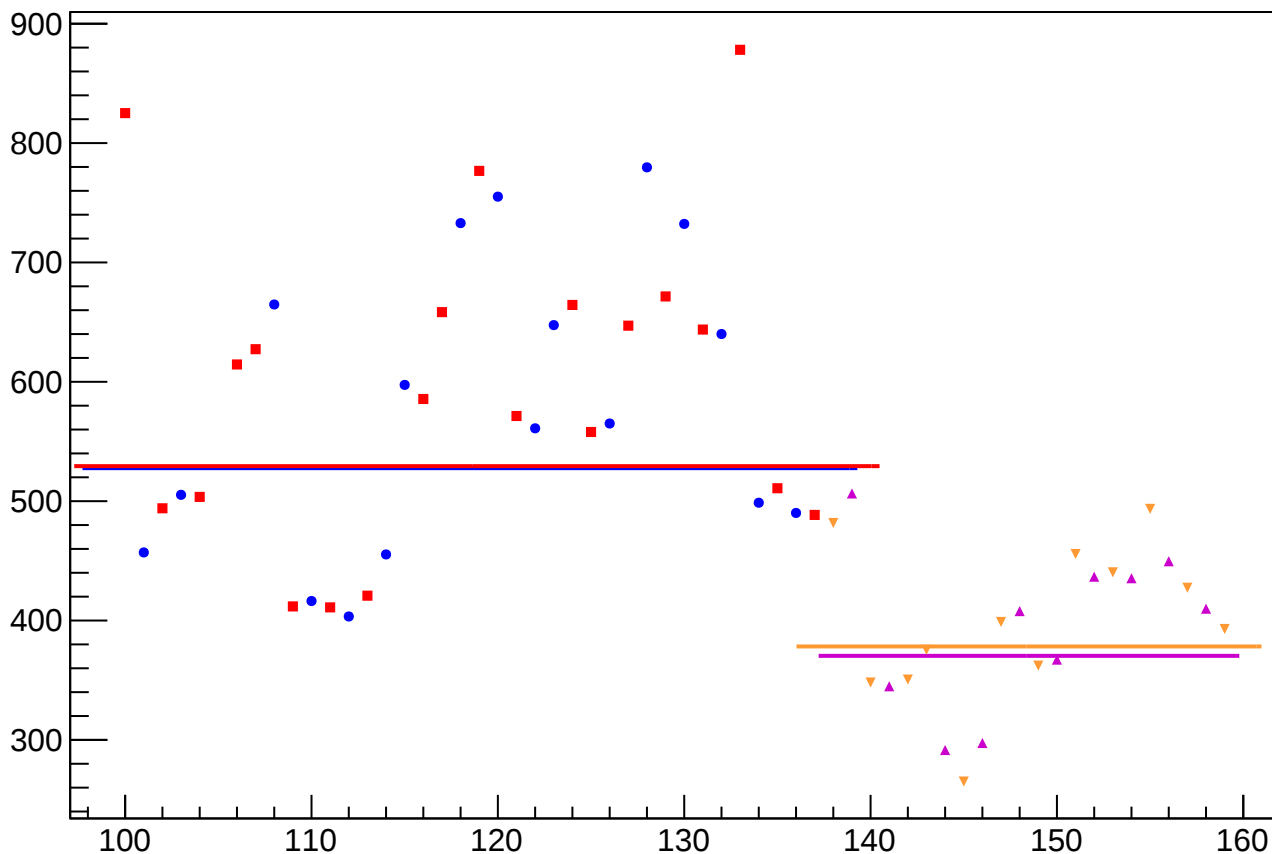
Right Out: -436.410 ± 203.212 χ^2/NDF : 13.4/19

Left In: -197.696 ± 131.892 χ^2/NDF : 4.3/9

-519.651 ± 109.766 χ^2/NDF : 52.8/28

-268.449 ± 110.632 χ^2/NDF : 18.6/29

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 378.288+/-0.091 χ^2/NDF : 554594.6/11

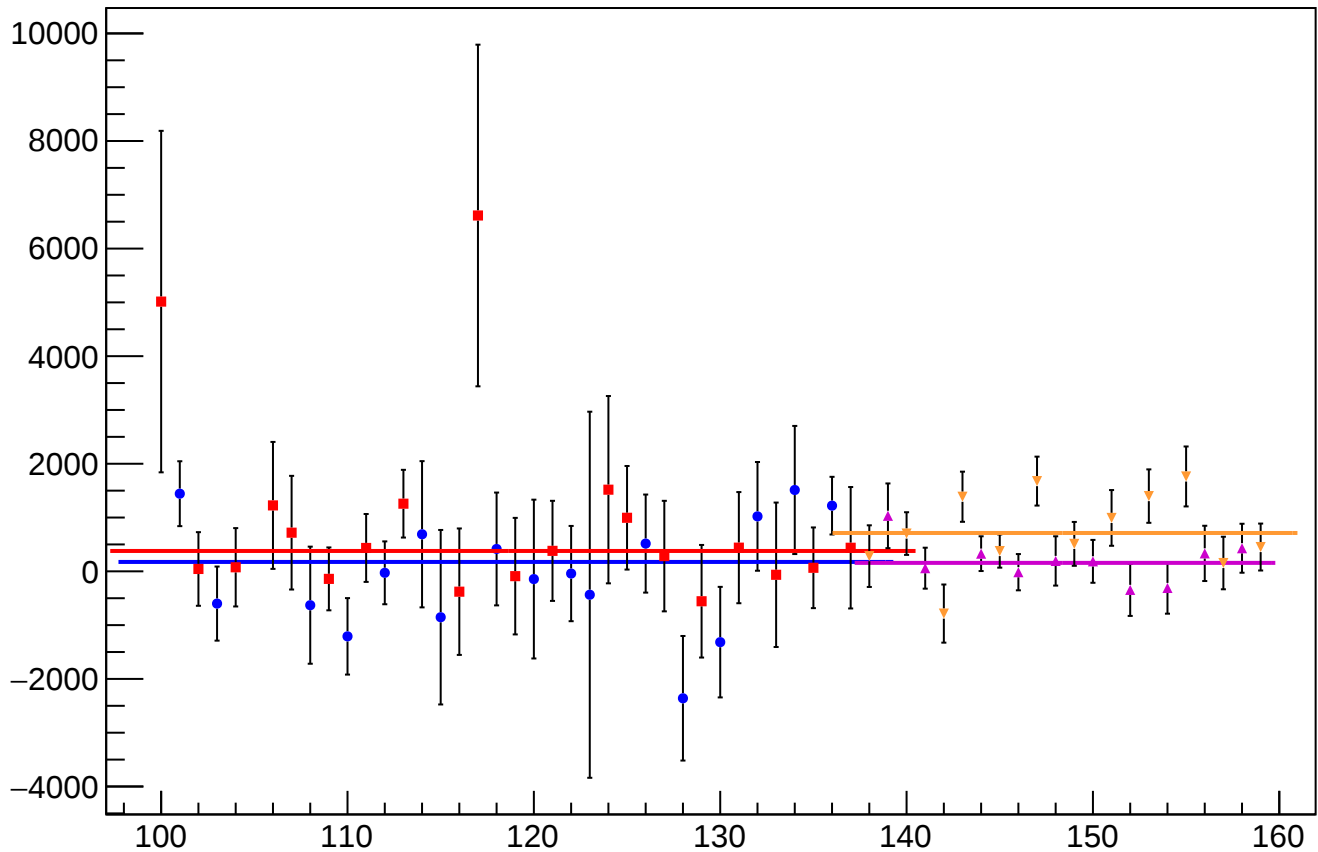
Right Out: 529.342+/-0.144 χ^2/NDF : 626714.3/19

Left In: 370.415+/-0.093 χ^2/NDF : 485000.9/9

419.028+/-0.078 χ^2/NDF : 1846684.8/28

417.520+/-0.078 χ^2/NDF : 1972429.4/29

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 ± 211.662 χ^2/NDF : 23.7/16

Left Out: 713.006 ± 129.945 χ^2/NDF : 23.7/11

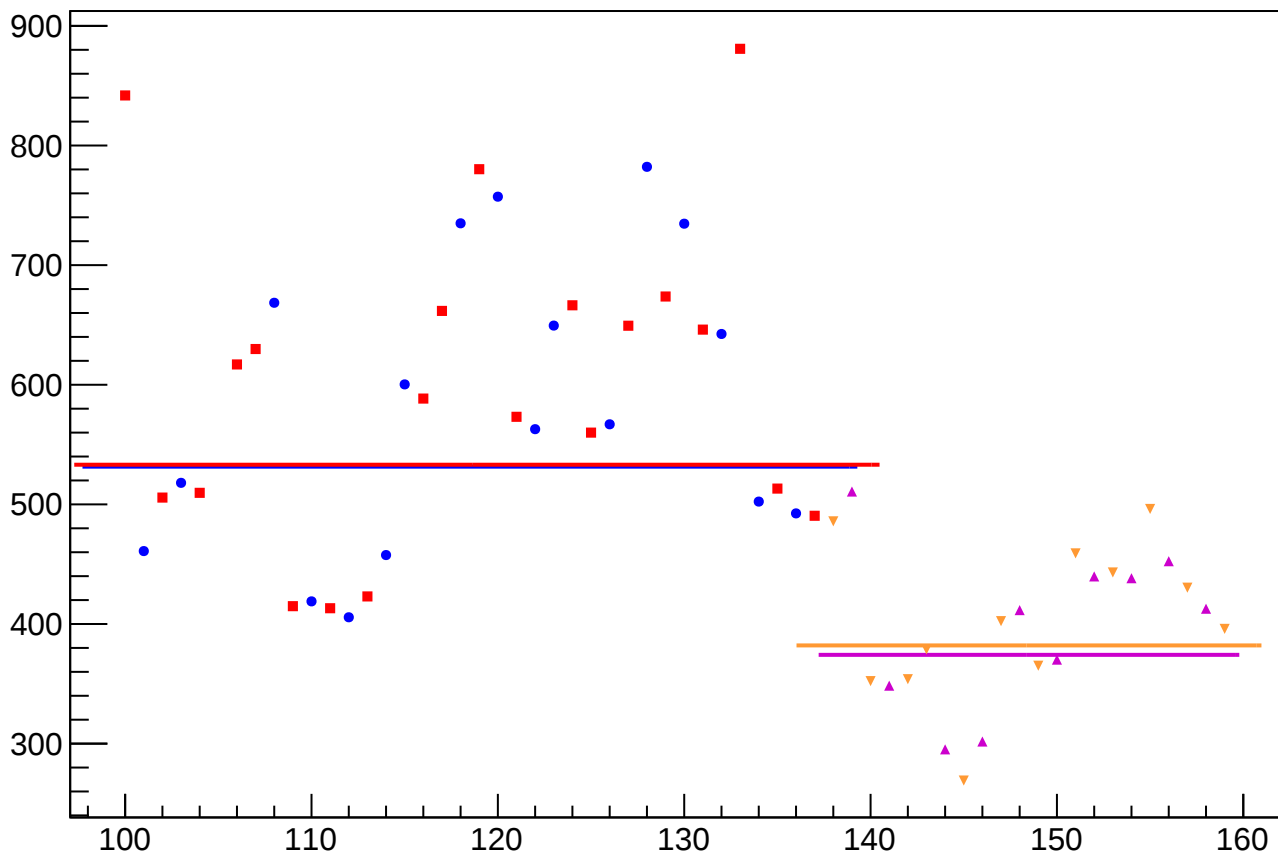
Right Out: 378.609 ± 204.777 χ^2/NDF : 12.3/19

Left In: 157.252 ± 133.180 χ^2/NDF : 5.2/9

565.627 ± 110.741 χ^2/NDF : 52.1/28

223.050 ± 111.645 χ^2/NDF : 18.4/29

asym_sam_1357_avg_rms vs Slug



Right In: 531.554 +/- 0.150 χ^2/NDF : 550087.6/16

Left Out: 382.100 +/- 0.092 χ^2/NDF : 537465.7/11

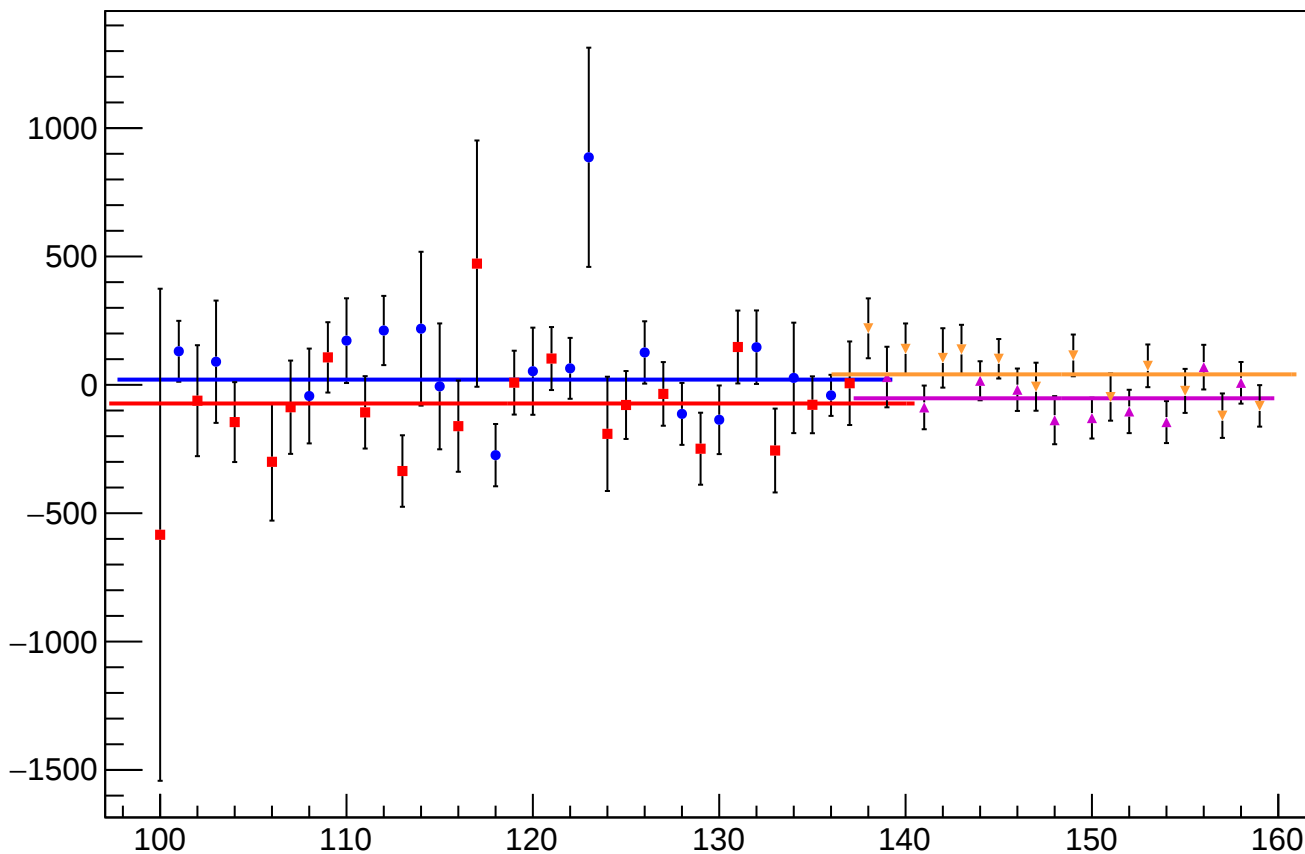
Right Out: 533.157 +/- 0.145 χ^2/NDF : 619038.4/19

Left In: 374.217 +/- 0.094 χ^2/NDF : 471289.9/9

423.011 +/- 0.078 χ^2/NDF : 1811745.1/28

421.461 +/- 0.079 χ^2/NDF : 1937052.0/29

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 40.859 $\pm$ 26.000 χ^2 /NDF:13.8/11

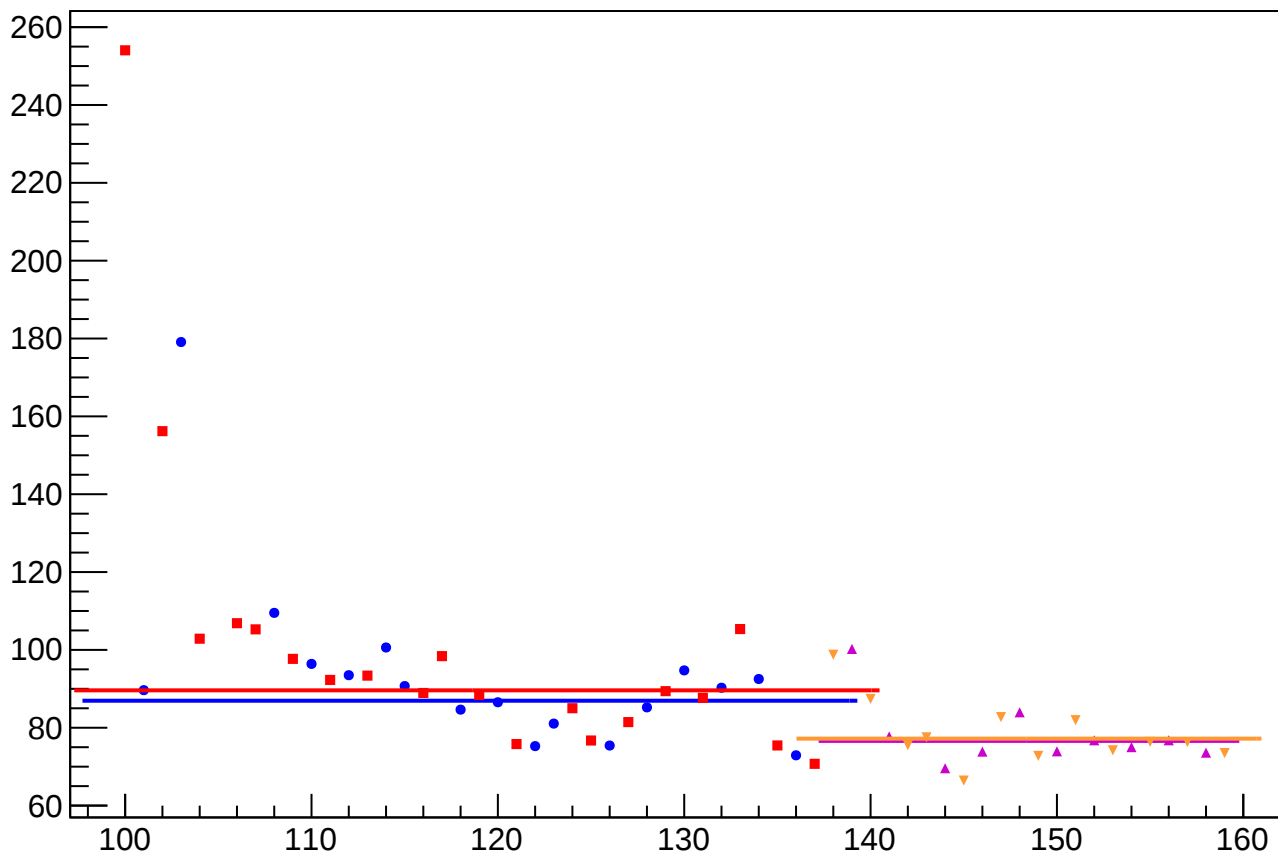
Right Out: -72.603 $\pm$ 34.608 χ^2 /NDF: 16.7/19

Left In: -52.375 $\pm$ 26.965 χ^2 /NDF:7.6/9

33.486 $\pm$ 20.782 χ^2 /NDF: 33.3/28

-60.016 $\pm$ 21.271 χ^2 /NDF: 24.5/29

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 77.202+/-0.018 χ^2/NDF :154756.9/11

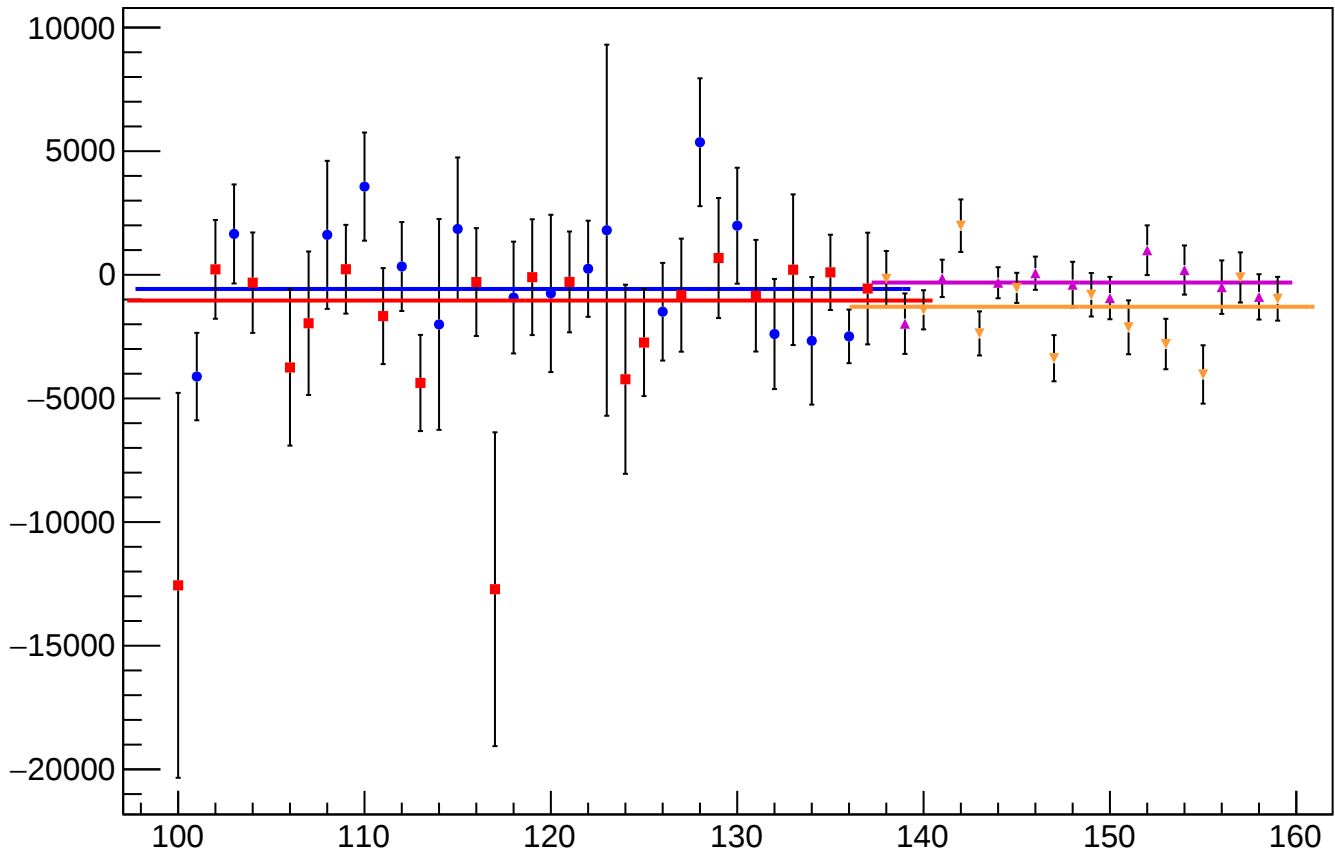
Right Out: 89.607+/-0.024 χ^2/NDF : 431905.8/19

Left In: 76.618+/-0.019 χ^2/NDF :118014.1/9

80.719+/-0.015 χ^2/NDF : 711939.5/28

81.524+/-0.015 χ^2/NDF : 725235.7/29

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 ± 517.020 χ^2/NDF : 21.9/16

Left Out: -1292.538 ± 263.146 χ^2/NDF : 28.5/11

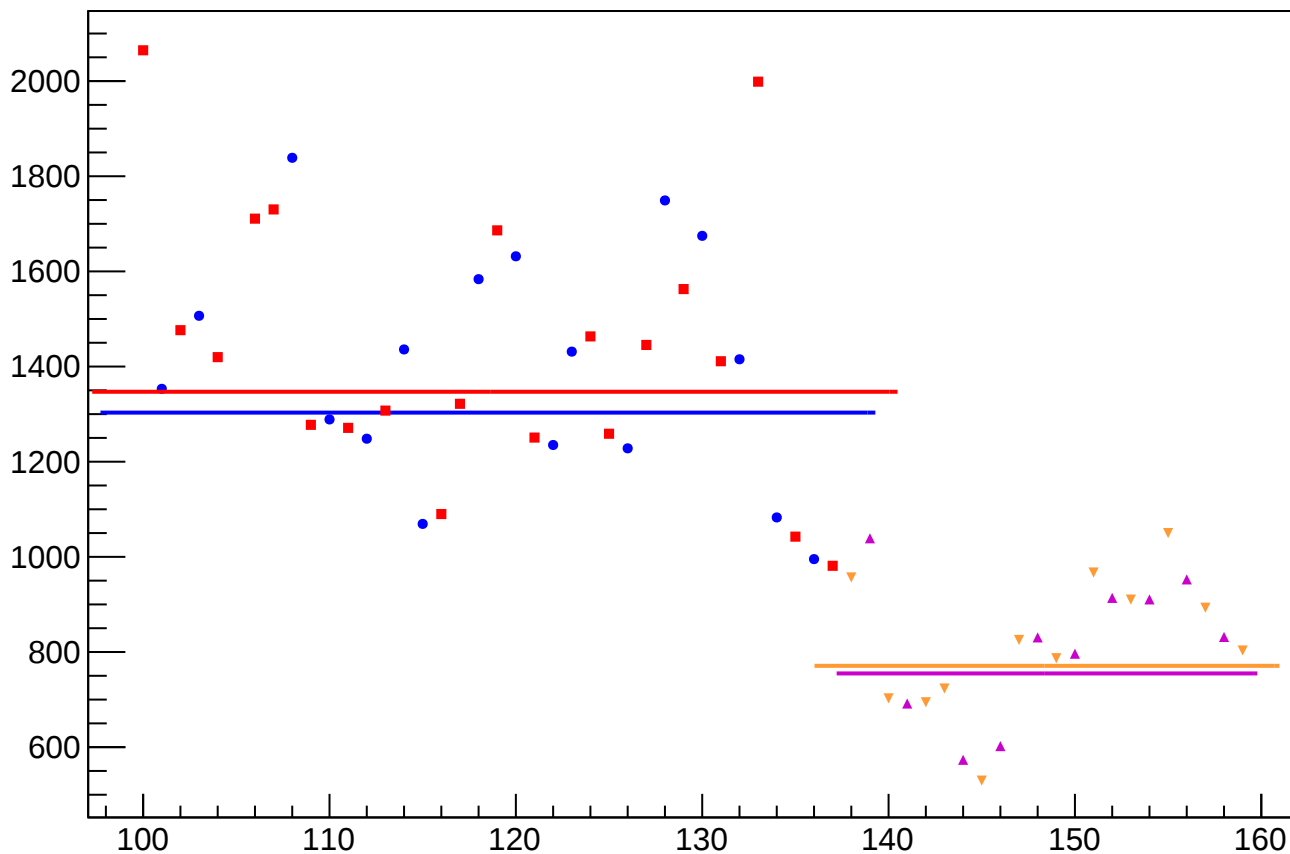
Right Out: -1040.618 ± 512.937 χ^2/NDF : 13.5/19

Left In: -312.670 ± 269.718 χ^2/NDF : 5.1/9

-1144.359 ± 234.517 χ^2/NDF : 51.9/28

-470.349 ± 238.726 χ^2/NDF : 20.2/29

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 770.931+/-0.186 χ^2/NDF : 652474.7/11

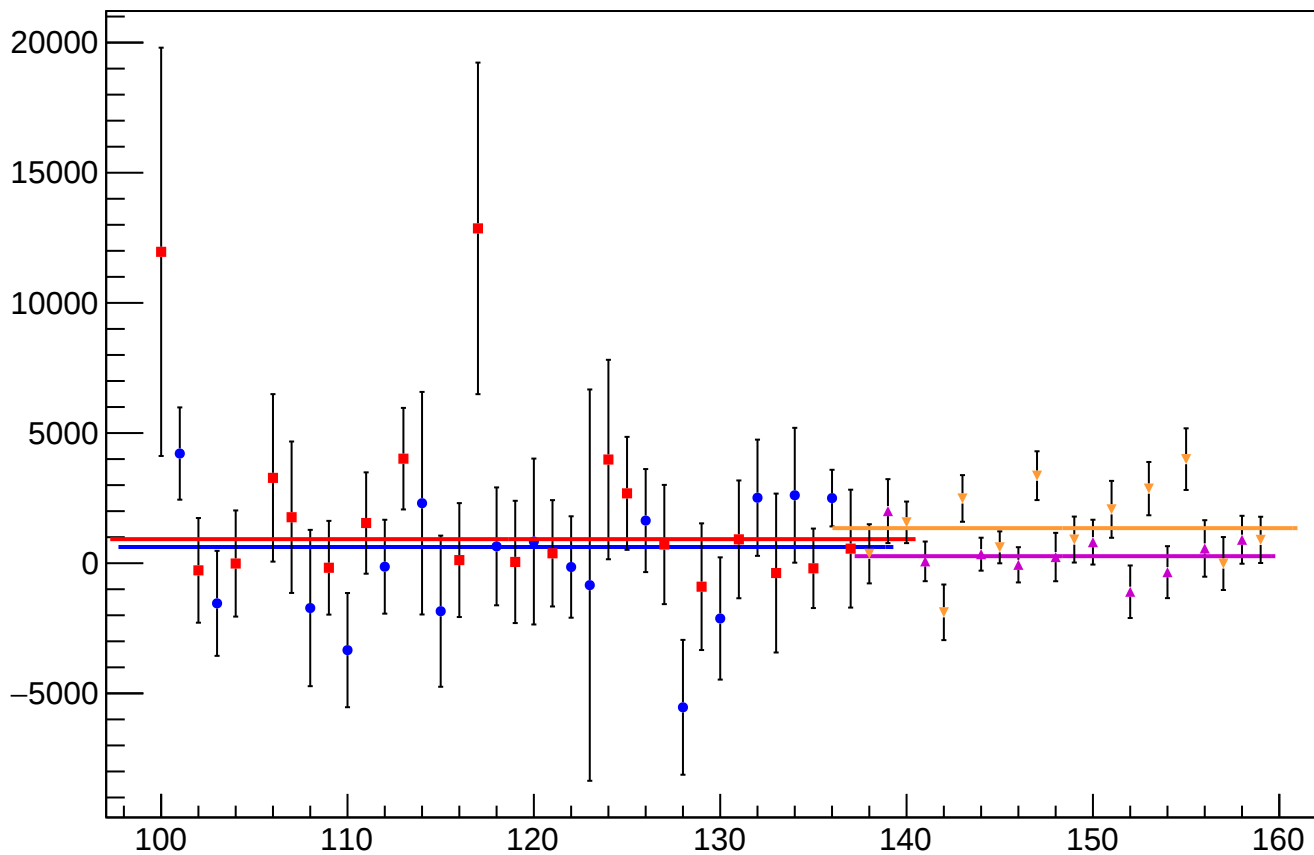
Right Out: 1347.011+/-0.363 χ^2/NDF : 420806.0/19

Left In: 754.969+/-0.191 χ^2/NDF : 590331.8/9

880.444+/-0.166 χ^2/NDF : 2788030.4/28

883.209+/-0.169 χ^2/NDF : 3098444.7/29

asym_sam_2468_avg_mean vs Slug



Right In: 622.411 ± 518.496 χ^2/NDF : 22.0/16

Left Out: 1347.477 ± 264.618 χ^2/NDF : 27.6/11

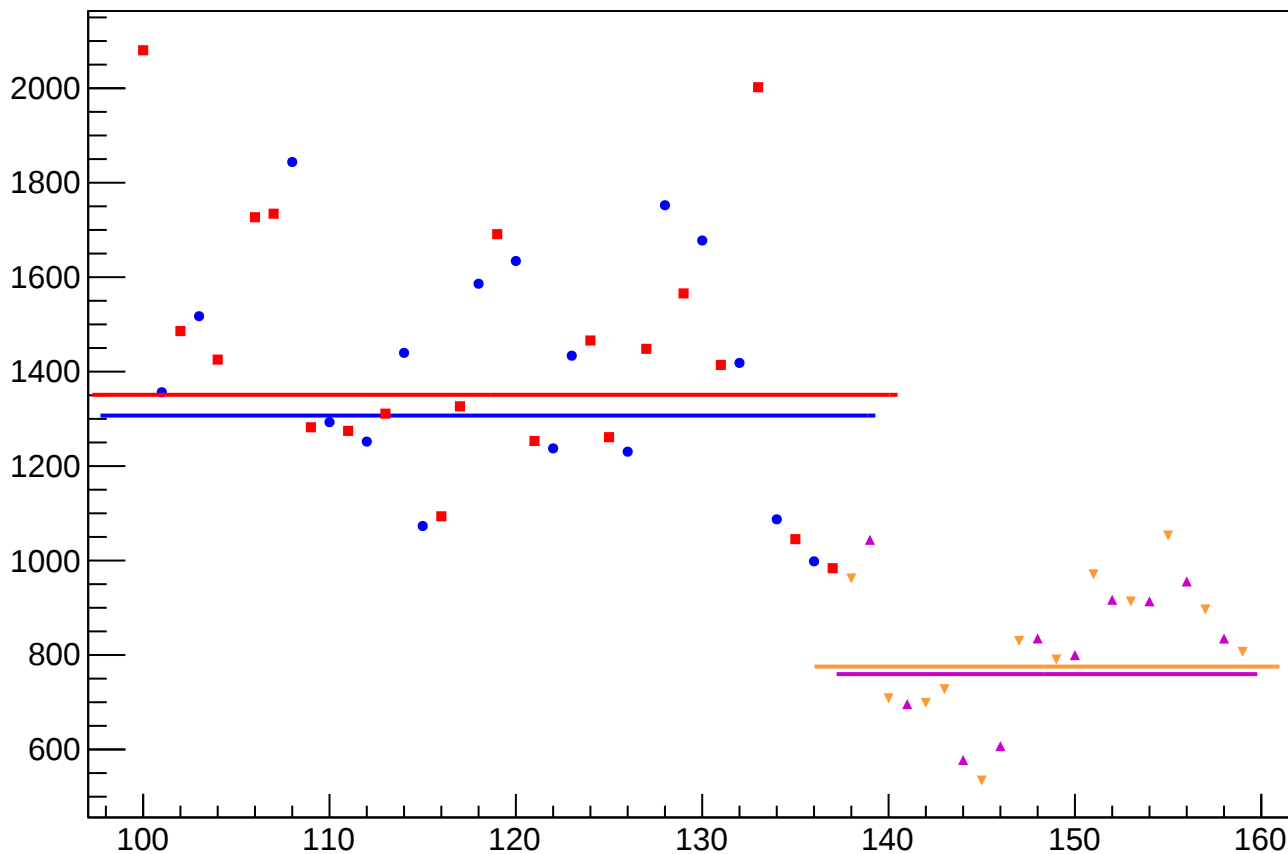
Right Out: 924.488 ± 514.636 χ^2/NDF : 12.6/19

Left In: 270.181 ± 271.254 χ^2/NDF : 5.5/9

1197.648 ± 235.697 χ^2/NDF : 51.1/28

412.435 ± 239.962 χ^2/NDF : 19.3/29

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 $\pm$ 0.367 χ^2 /NDF: 451191.7/16

Left Out: 775.497 $\pm$ 0.187 χ^2 /NDF: 641555.3/11

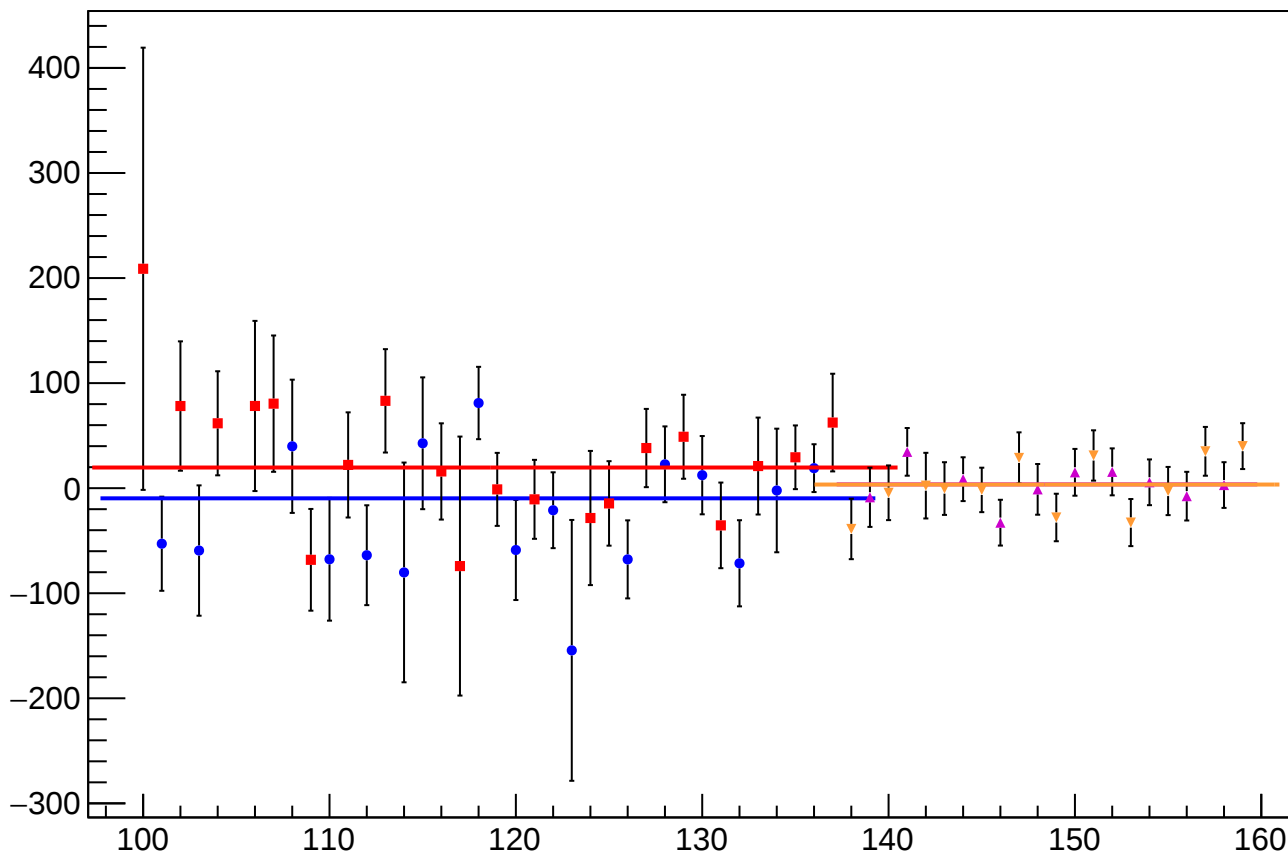
Right Out: 1350.936 $\pm$ 0.364 χ^2 /NDF: 421834.2/19

Left In: 759.527 $\pm$ 0.192 χ^2 /NDF: 580355.0/9

885.324 $\pm$ 0.167 χ^2 /NDF: 2759948.8/28

888.107 $\pm$ 0.170 χ^2 /NDF: 3069178.4/29

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: 3.454 ± 6.940 χ^2/NDF : 14.0/11

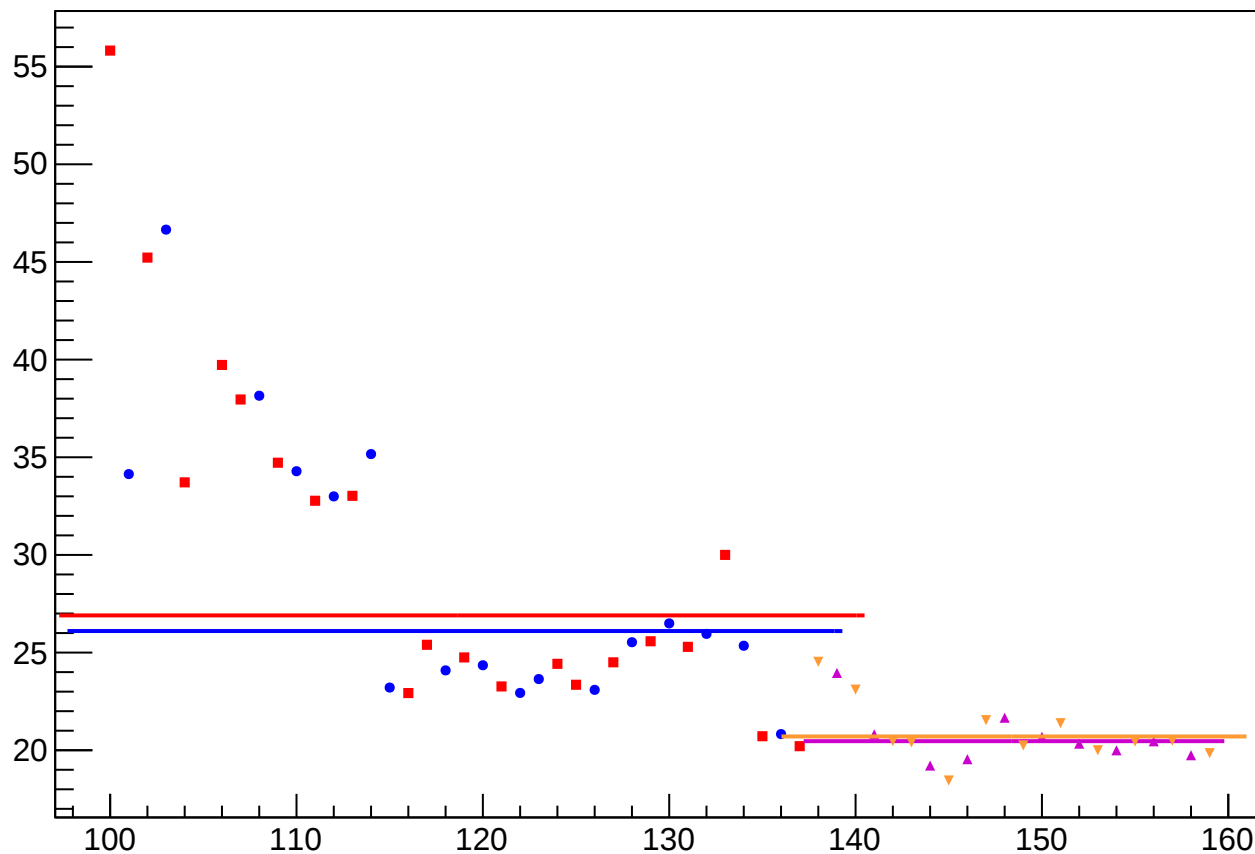
Right Out: 19.662 ± 10.406 χ^2/NDF : 15.2/19

Left In: 3.613 ± 7.175 χ^2/NDF : 5.7/9

-0.585 ± 5.774 χ^2/NDF : 37.7/28

8.784 ± 5.907 χ^2/NDF : 22.6/29

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103 $\pm$ 0.007 χ^2 /NDF: 604038.5/16

Left Out: 20.705 $\pm$ 0.005 χ^2 /NDF: 85652.8/11

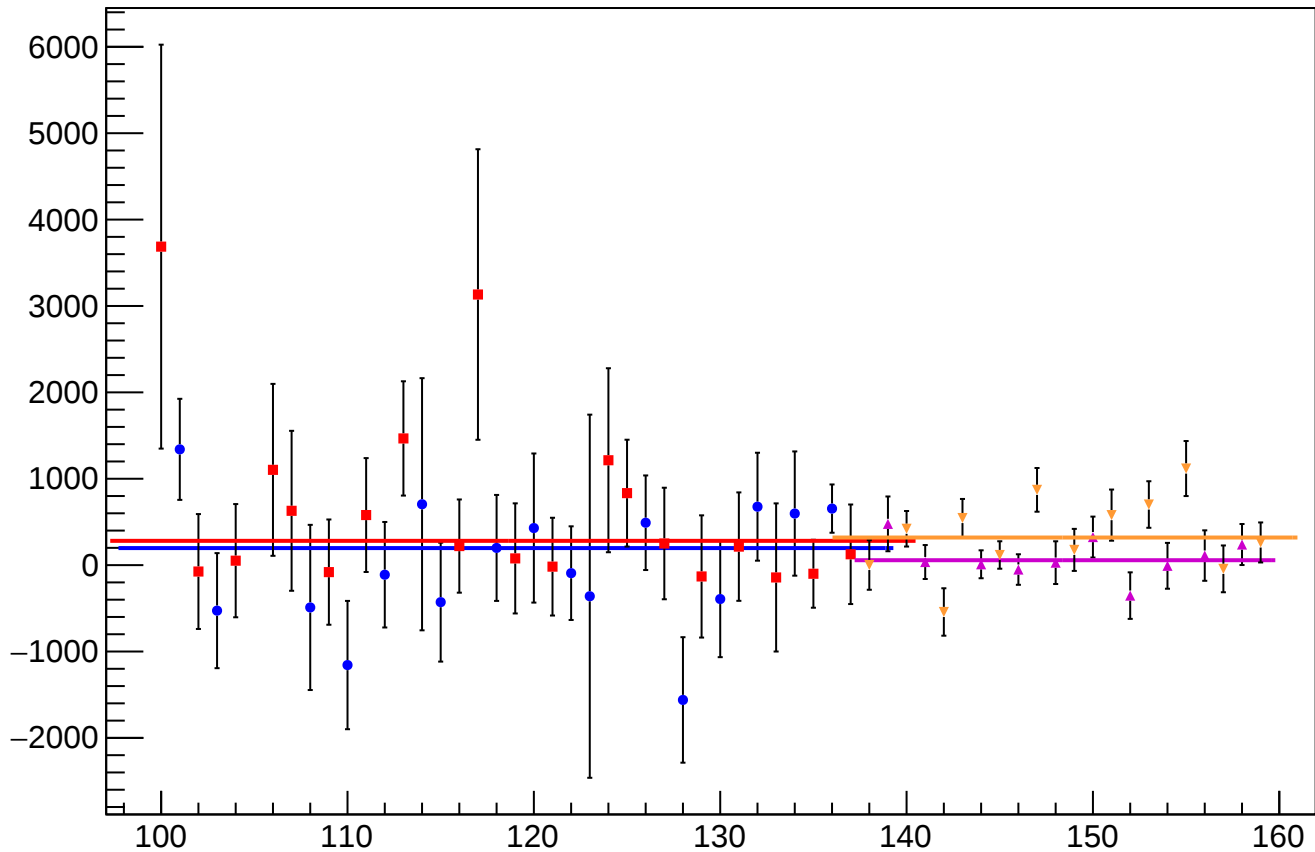
Right Out: 26.903 $\pm$ 0.007 χ^2 /NDF: 679269.9/19

Left In: 20.465 $\pm$ 0.005 χ^2 /NDF: 50294.2/9

22.367 $\pm$ 0.004 χ^2 /NDF: 1061993.4/28

22.539 $\pm$ 0.004 χ^2 /NDF: 1248472.2/29

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 ± 147.883 χ^2/NDF : 21.0/16

Left Out: 319.609 ± 69.177 χ^2/NDF : 30.0/11

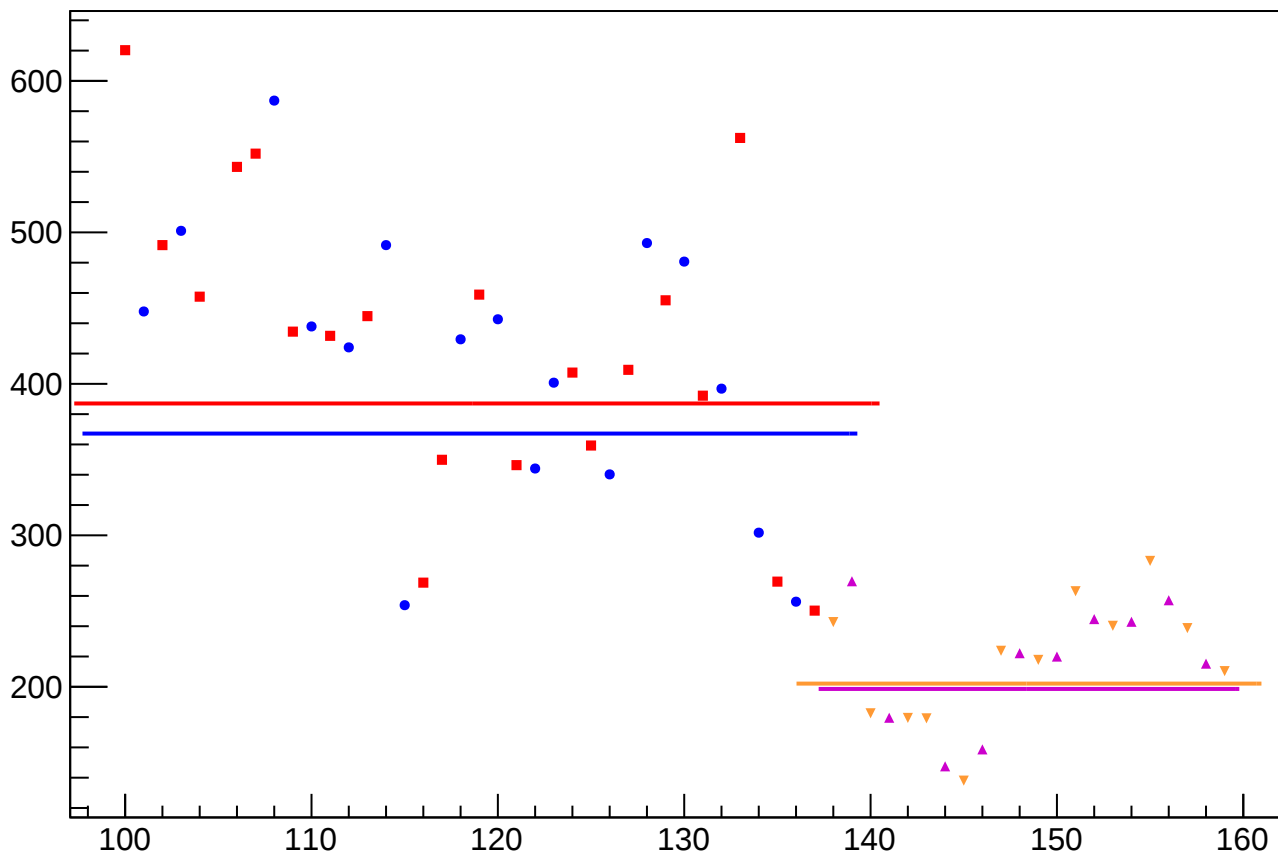
Right Out: 281.185 ± 149.275 χ^2/NDF : 13.6/19

Left In: 56.922 ± 71.111 χ^2/NDF : 6.5/9

297.655 ± 62.660 χ^2/NDF : 51.5/28

98.402 ± 64.199 χ^2/NDF : 21.9/29

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 202.113 $\pm$ 0.049 χ^2 /NDF: 734772.1/11

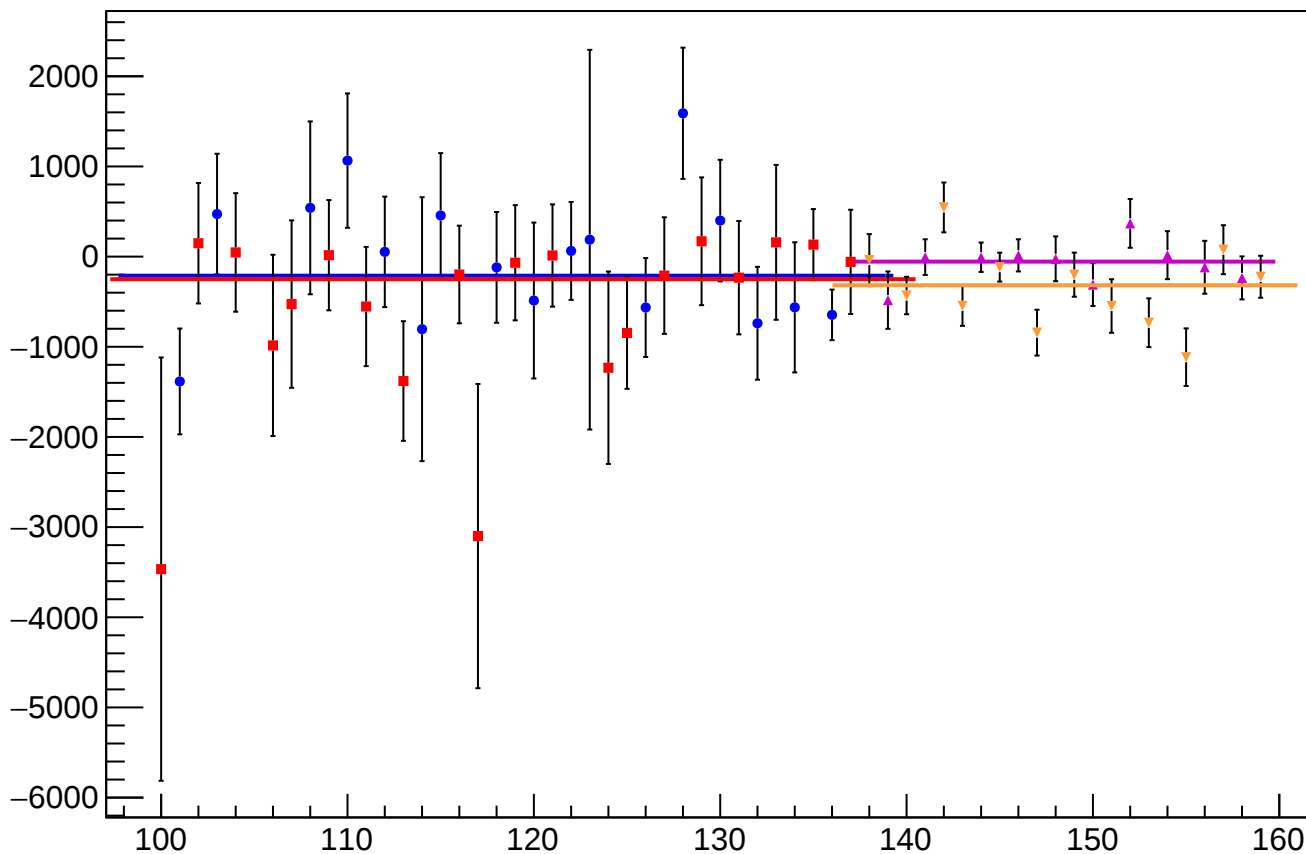
Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

Left In: 198.585 $\pm$ 0.050 χ^2 /NDF: 660216.2/9

231.748 $\pm$ 0.044 χ^2 /NDF: 3606367.9/28

233.443 $\pm$ 0.045 χ^2 /NDF: 4034047.1/29

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859+/-148.316 χ^2 /NDF: 21.0/16

Left Out: -317.607+/-69.585 χ^2 /NDF:29.6/11

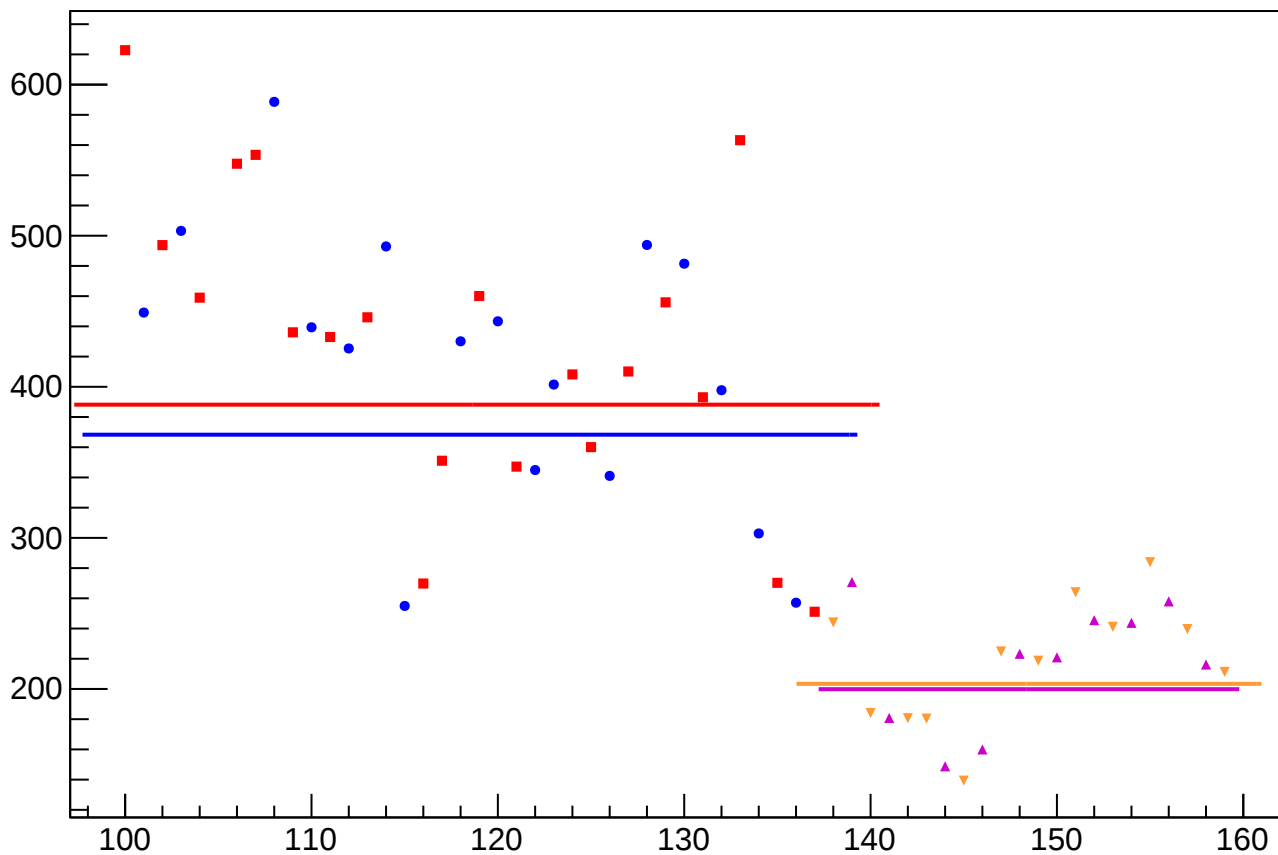
Right Out: -250.443+/-149.724 χ^2 /NDF: 12.9/19

Left In: -55.560+/-71.532 χ^2 /NDF:6.4/9

-298.529+/-62.996 χ^2 /NDF: 51.0/28

-91.777+/-64.544 χ^2 /NDF: 20.7/29

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 203.399 $\pm$ 0.049 χ^2 /NDF: 720489.7/11

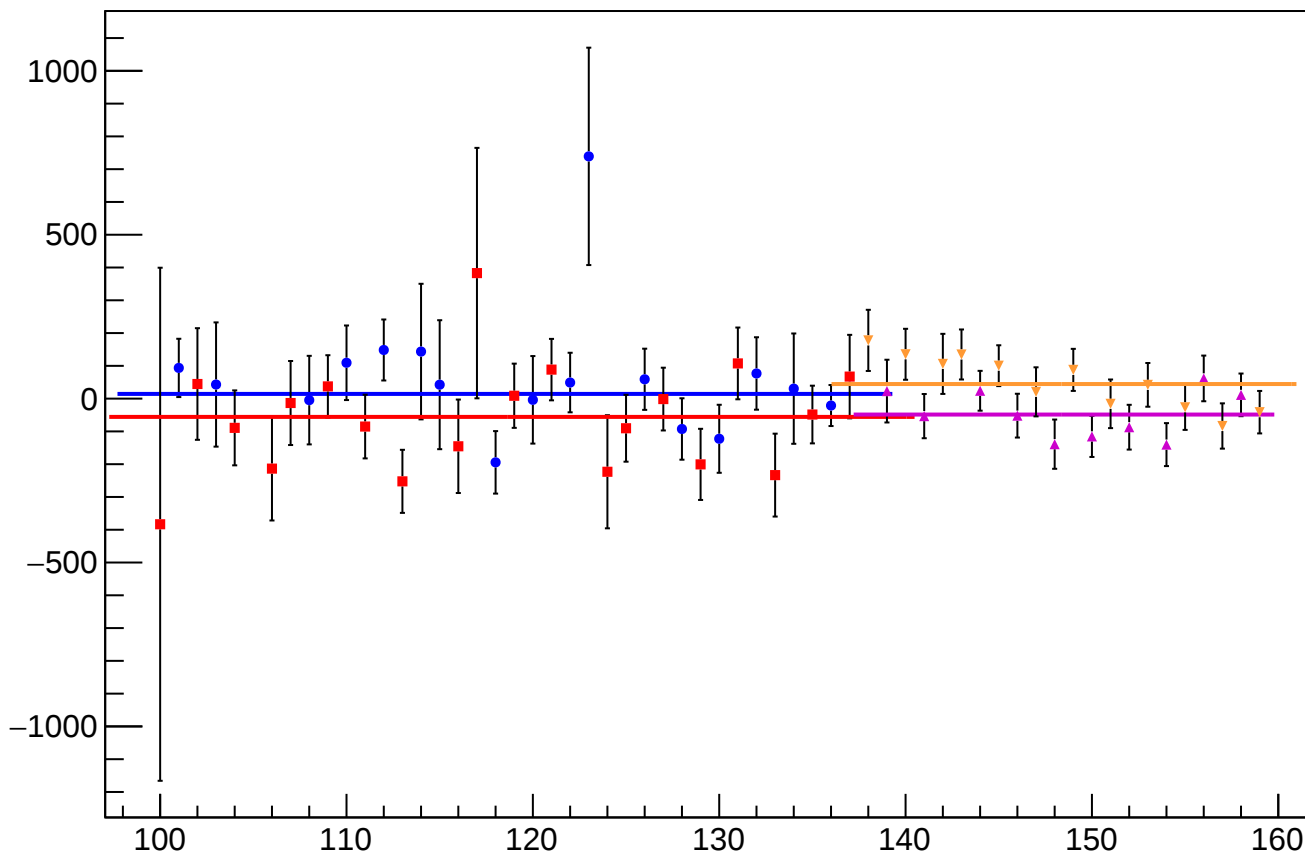
Right Out: 388.178 $\pm$ 0.106 χ^2 /NDF: 775692.7/19

Left In: 199.856 $\pm$ 0.051 χ^2 /NDF: 647266.1/9

233.148 $\pm$ 0.045 χ^2 /NDF: 3571437.7/28

234.853 $\pm$ 0.046 χ^2 /NDF: 3999056.3/29

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 44.515+/-20.780 χ^2/NDF :13.5/11

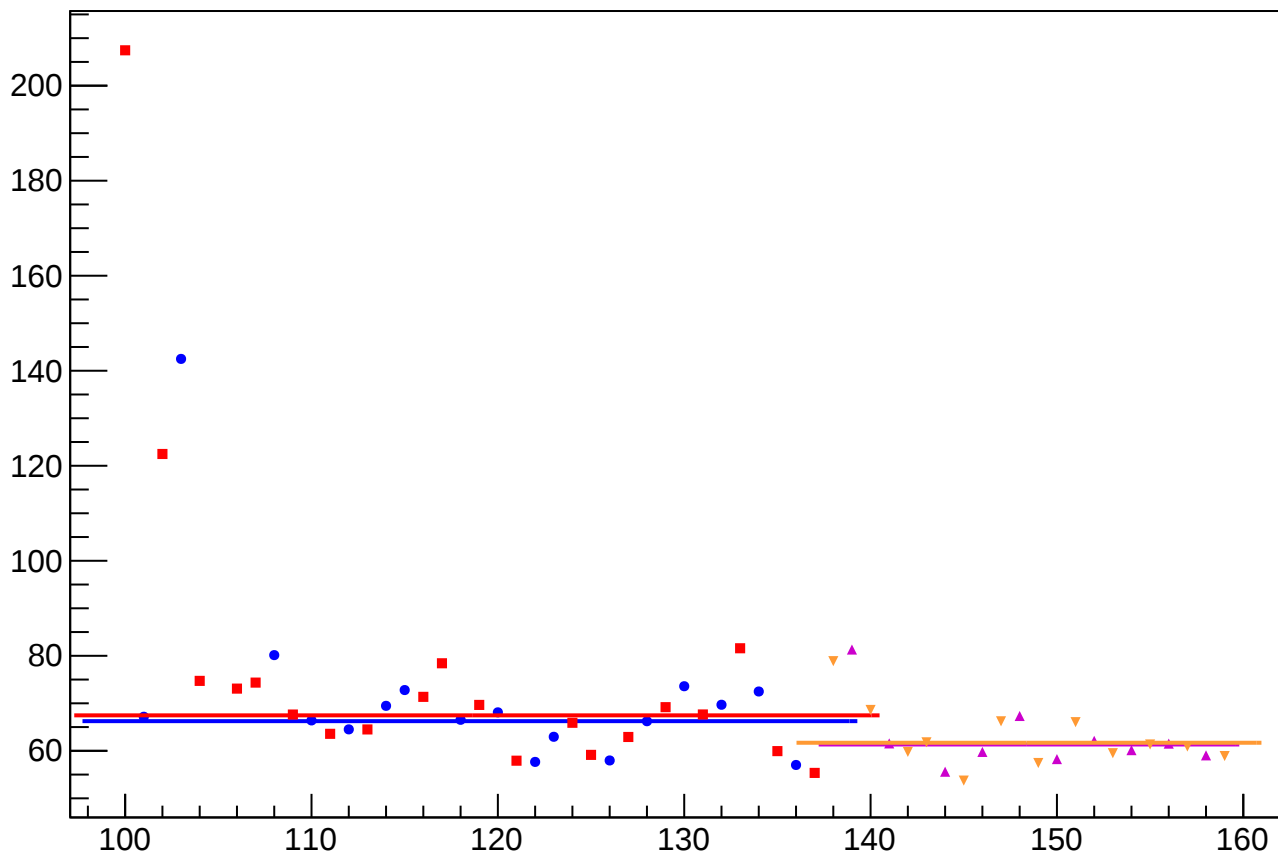
Right Out: -55.744+/-26.060 χ^2/NDF : 19.7/19

Left In: -48.591+/-21.590 χ^2/NDF :10.2/9

32.953+/-16.313 χ^2/NDF : 32.0/28

-51.502+/-16.626 χ^2/NDF : 30.0/29

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 61.701+/-0.015 χ^2/NDF : 146274.2/11

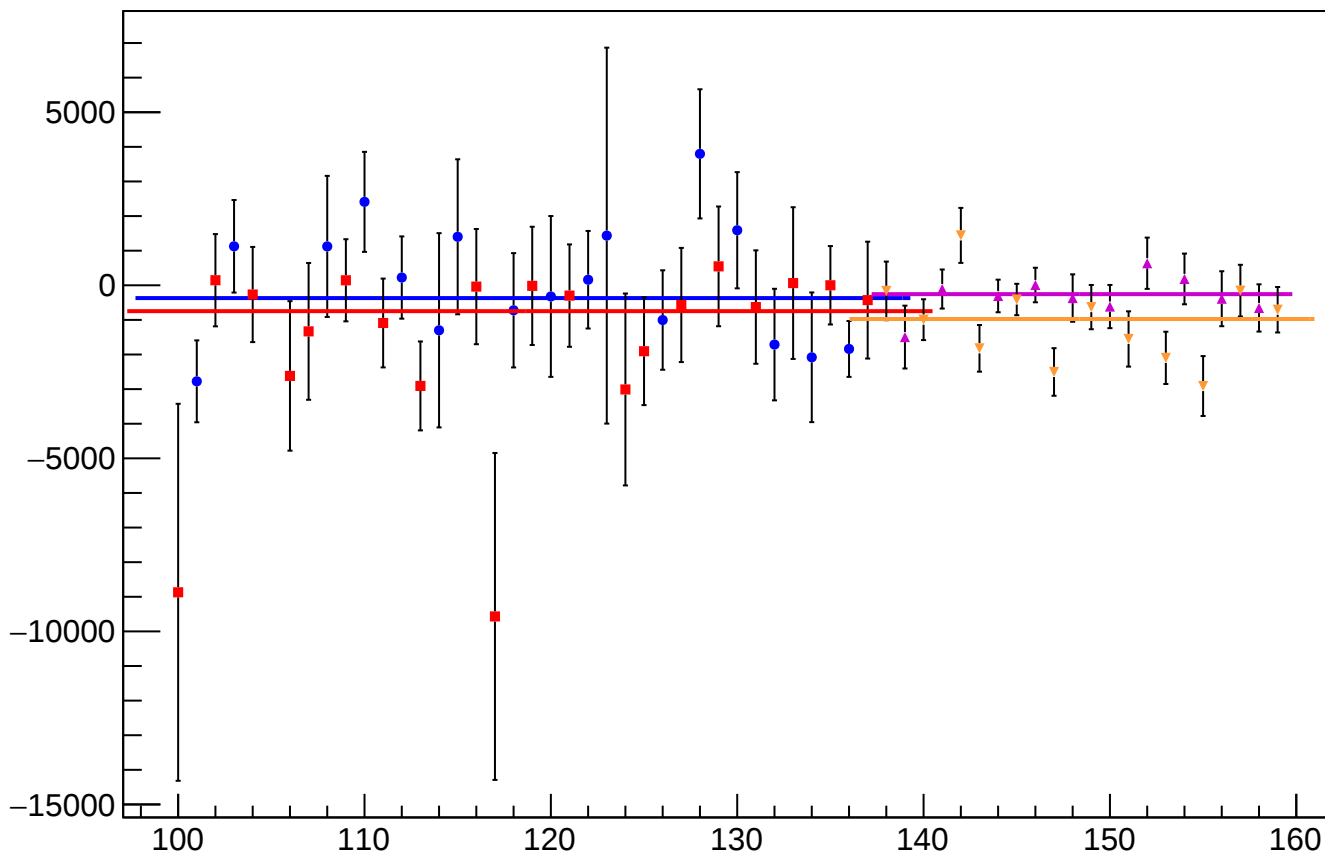
Right Out: 67.466+/-0.018 χ^2/NDF : 395262.8/19

Left In: 61.333+/-0.015 χ^2/NDF : 127122.5/9

63.445+/-0.012 χ^2/NDF : 623959.1/28

63.829+/-0.012 χ^2/NDF : 588080.3/29

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -973.825+/-195.257 χ^2/NDF : 27.6/11

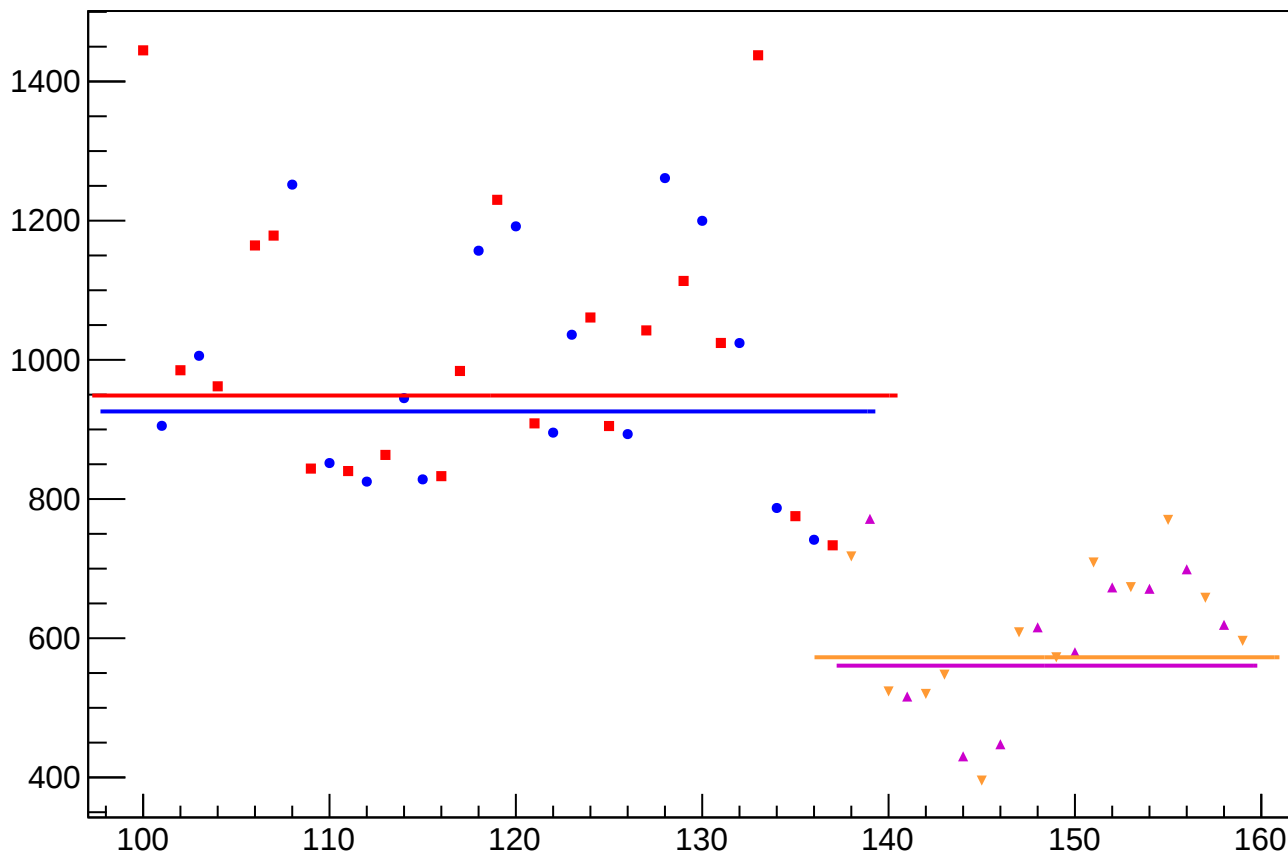
Right Out: -747.208+/-360.830 χ^2/NDF : 13.4/19

Left In: -255.743+/-200.067 χ^2/NDF : 4.8/9

-840.191+/-172.319 χ^2/NDF : 52.0/28

-371.306+/-174.971 χ^2/NDF : 19.6/29

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 572.643 $\pm$ 0.138 χ^2 /NDF: 620583.1/11

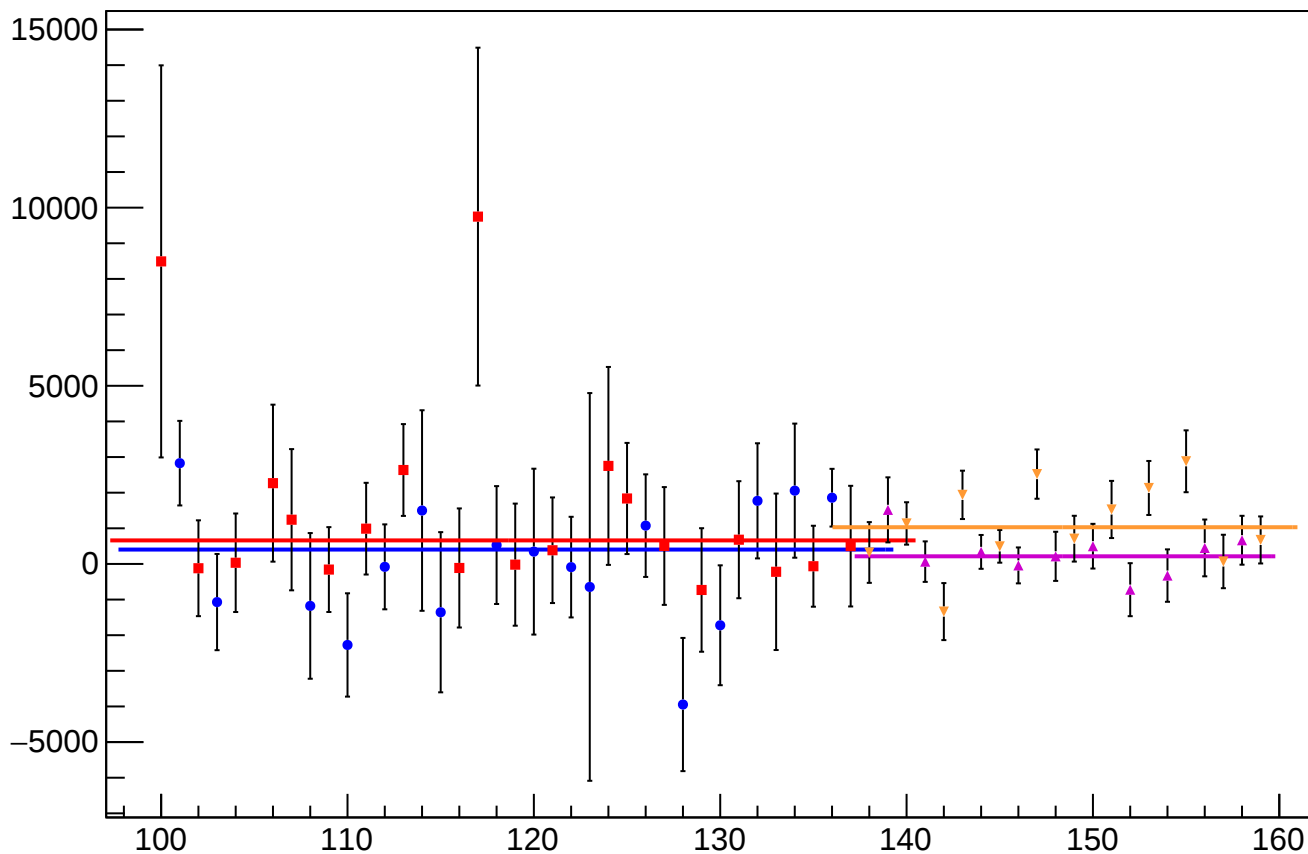
Right Out: 948.760 $\pm$ 0.255 χ^2 /NDF: 382044.0/19

Left In: 560.602 $\pm$ 0.141 χ^2 /NDF: 557607.5/9

650.761 $\pm$ 0.122 χ^2 /NDF: 2459243.4/28

651.874 $\pm$ 0.124 χ^2 /NDF: 2709852.9/29

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 1030.450+/-196.514 χ^2/NDF : 26.5/11

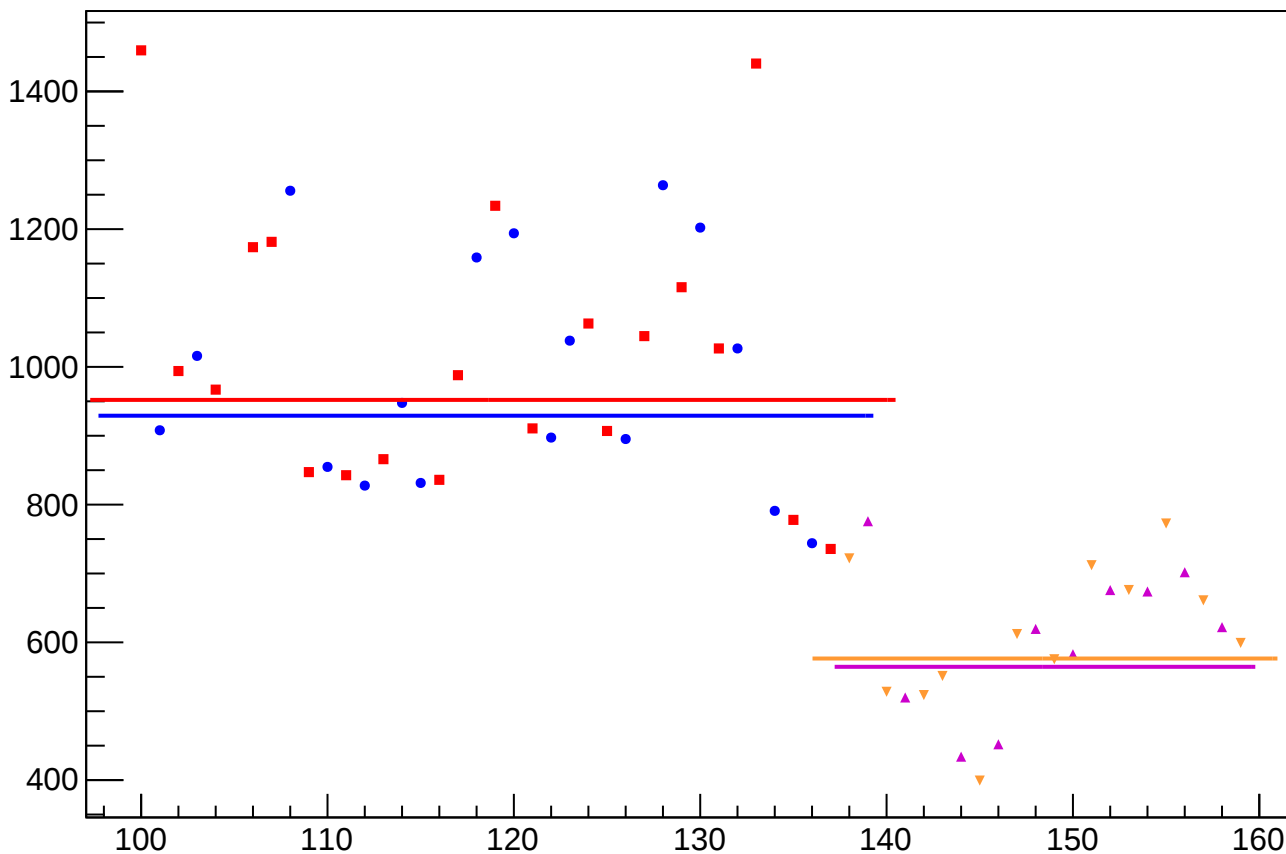
Right Out: 660.630+/-362.265 χ^2/NDF : 12.5/19

Left In: 214.293+/-201.380 χ^2/NDF : 5.3/9

891.172+/-173.313 χ^2/NDF : 51.2/28

319.658+/-176.013 χ^2/NDF : 19.0/29

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096 ± 0.260 χ^2/NDF : 390292.1/16

Left Out: 576.535 ± 0.139 χ^2/NDF : 608427.7/11

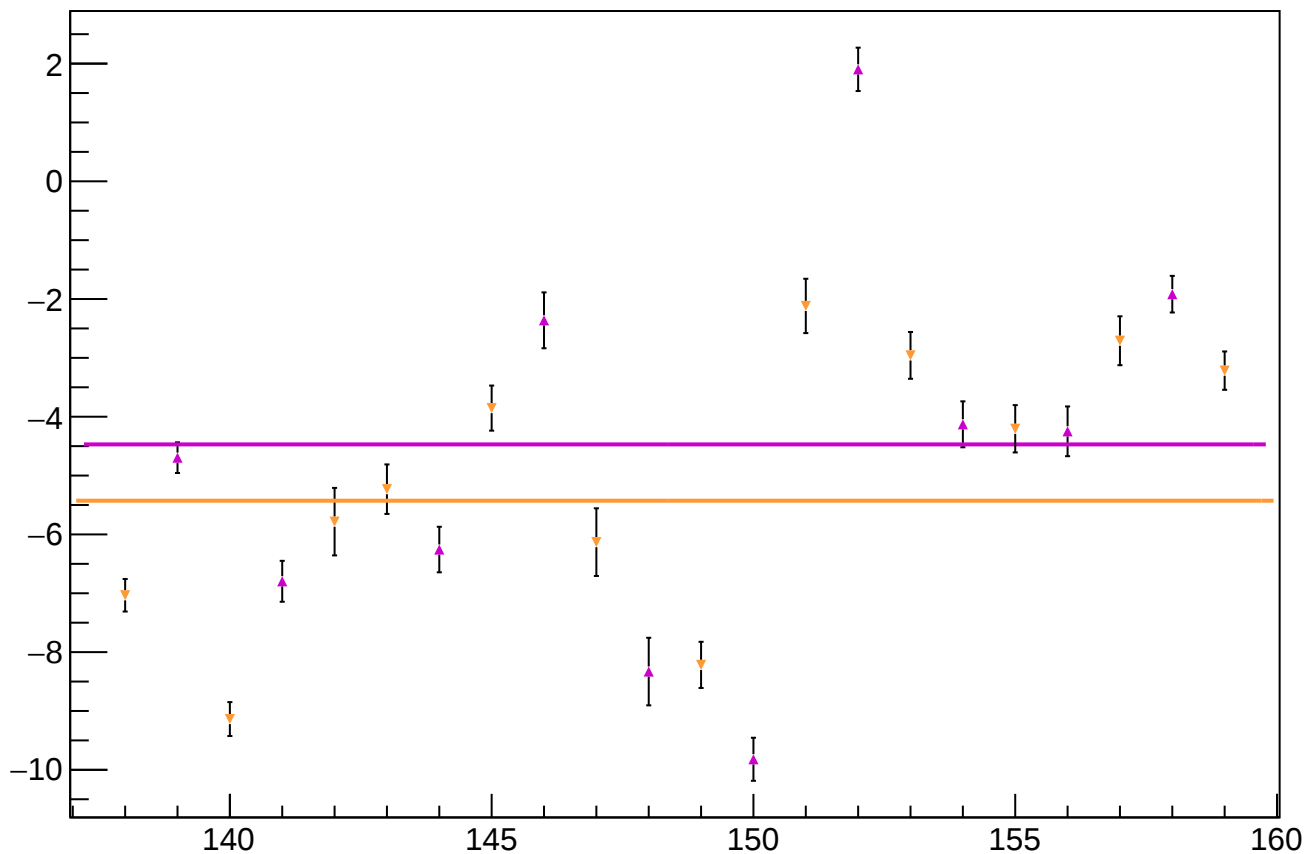
Right Out: 952.057 ± 0.256 χ^2/NDF : 382334.5/19

Left In: 564.490 ± 0.142 χ^2/NDF : 546913.9/9

654.868 ± 0.123 χ^2/NDF : 2429008.8/28

655.981 ± 0.124 χ^2/NDF : 2677993.6/29

reg_asym_sam1_diff_bpm1X_slope vs Slug



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

Left Out: -5.427+/-0.110 χ^2/NDF : 457.1/11

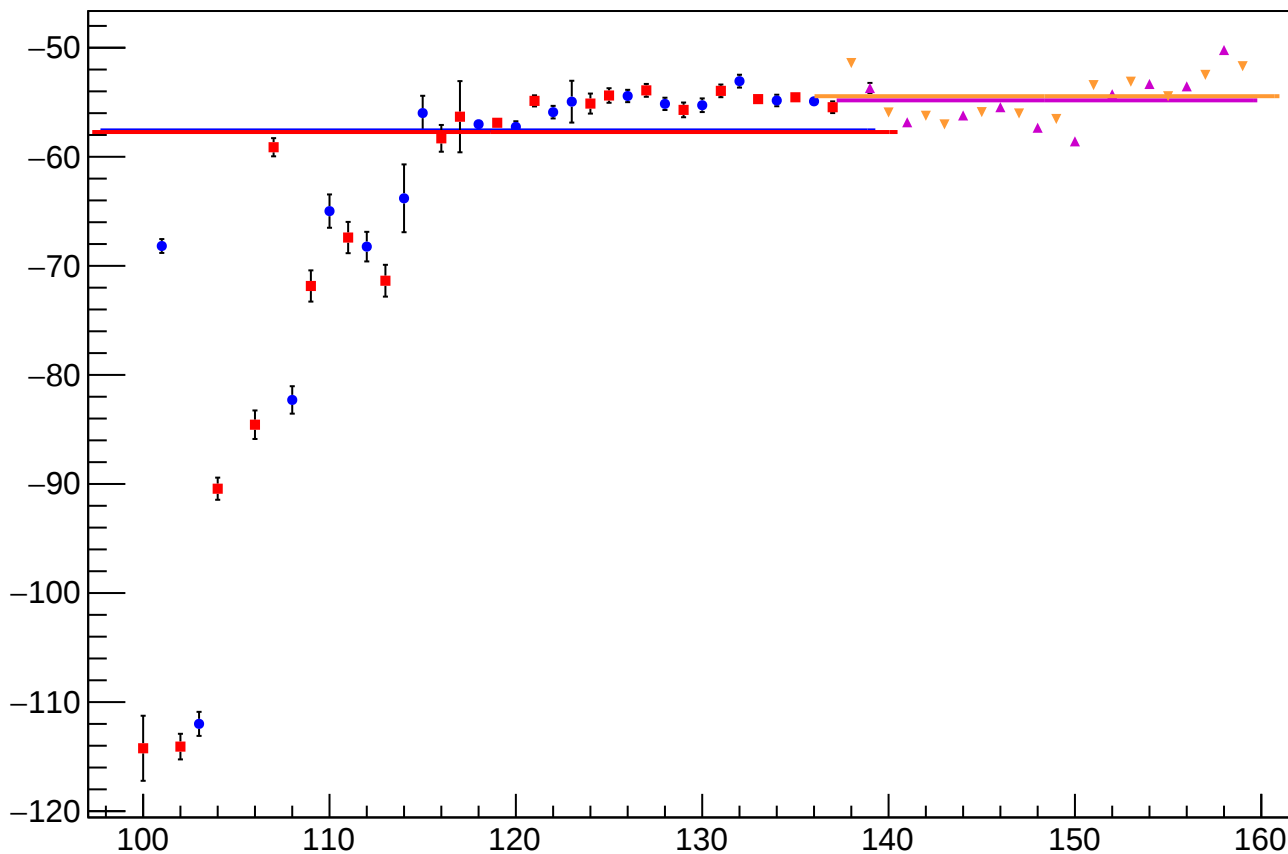
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -4.470+/-0.116 χ^2/NDF : 713.5/9

-5.427+/-0.110 χ^2/NDF : 457.1/11

-4.470+/-0.116 χ^2/NDF : 713.5/9

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -54.444 ± 0.081 χ^2/NDF : 578.5/11

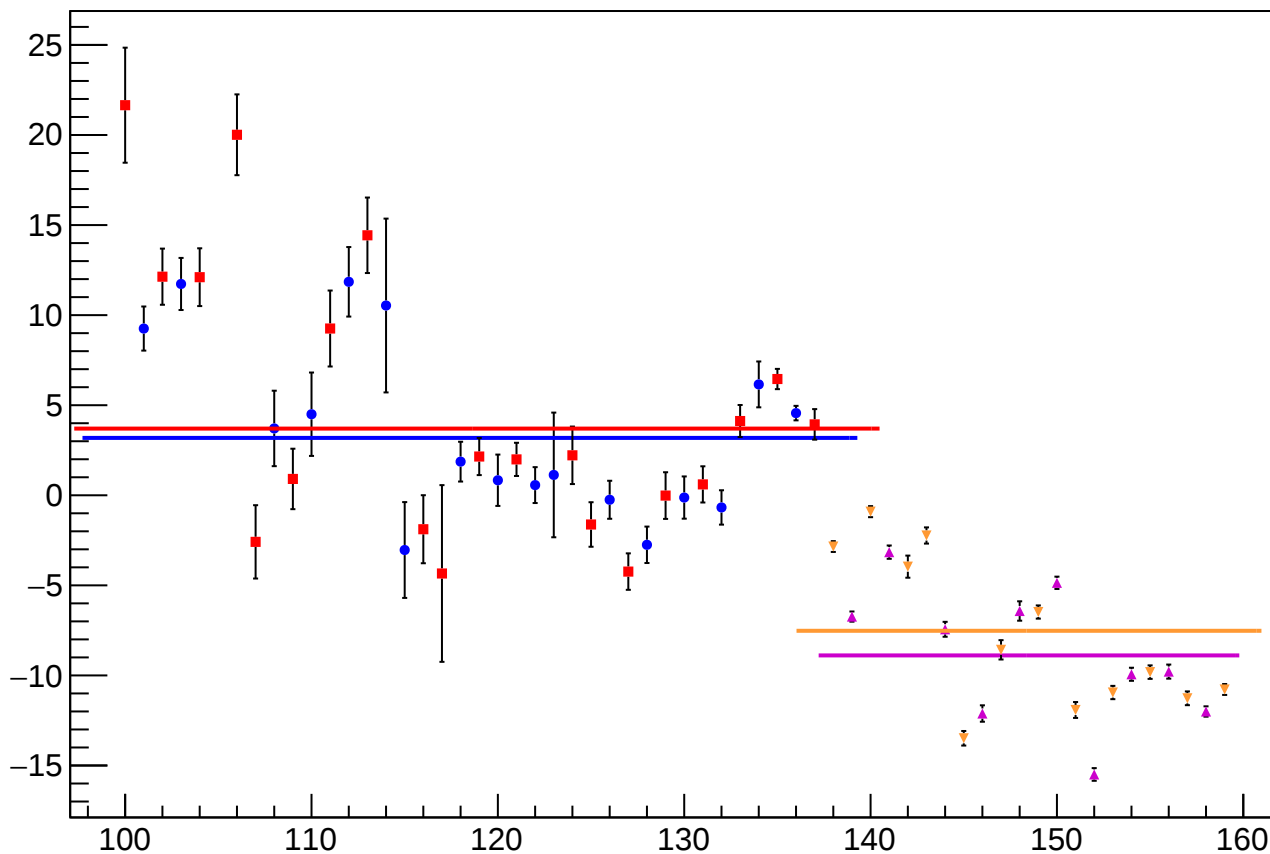
Right Out: -57.730 ± 0.143 χ^2/NDF : 4698.7/19

Left In: -54.824 ± 0.087 χ^2/NDF : 916.4/9

-55.202 ± 0.070 χ^2/NDF : 4398.6/28

-55.610 ± 0.074 χ^2/NDF : 5916.9/29

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 ± 0.259 $\chi^2/\text{NDF}: 185.8/16$

Left Out: -7.522 ± 0.109 $\chi^2/\text{NDF}: 1544.0/11$

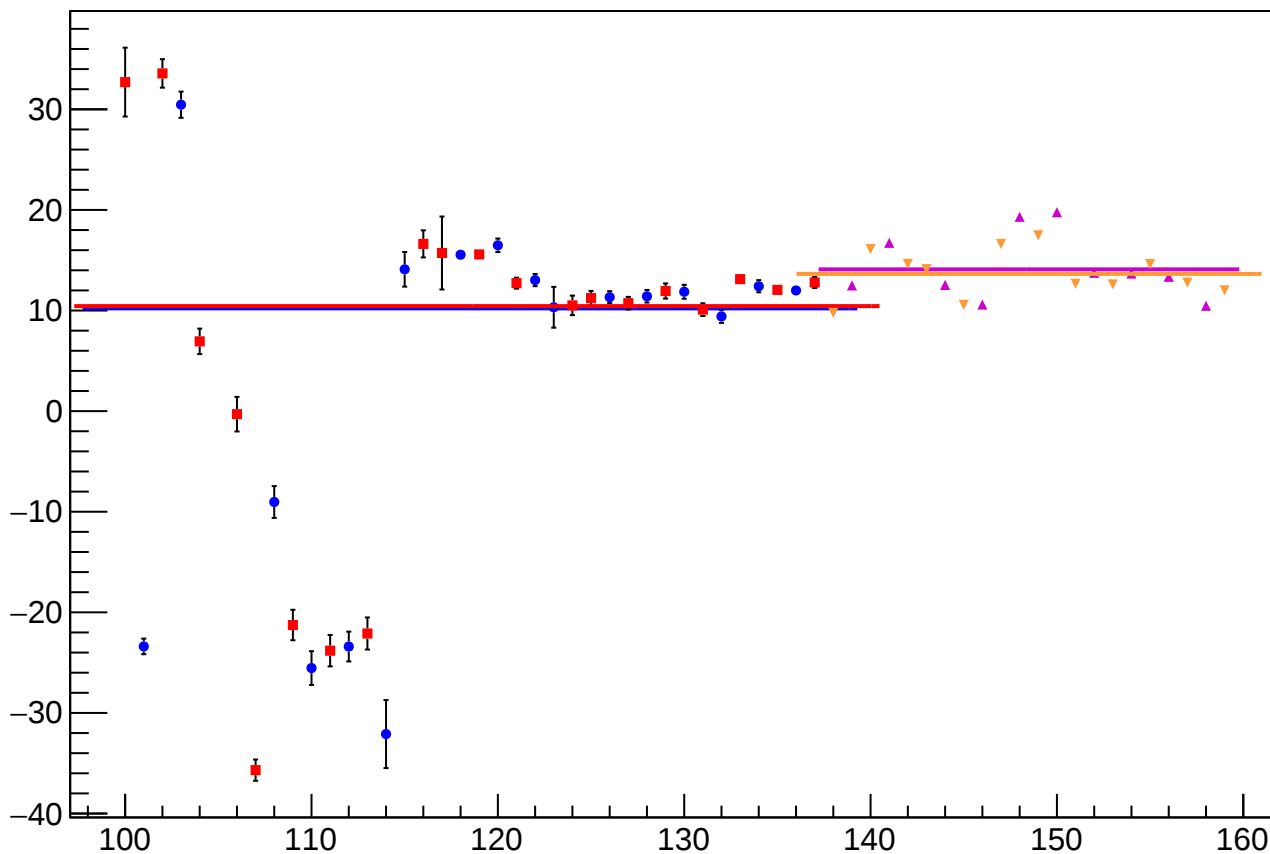
Right Out: 3.702 ± 0.267 $\chi^2/\text{NDF}: 326.8/19$

Left In: -8.889 ± 0.114 $\chi^2/\text{NDF}: 1003.5/9$

-5.903 ± 0.101 $\chi^2/\text{NDF}: 3180.6/28$

-6.946 ± 0.105 $\chi^2/\text{NDF}: 3208.9/29$

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215+/-0.158 χ^2/NDF : 3692.6/16

Left Out: 13.644+/-0.094 χ^2/NDF : 572.1/11

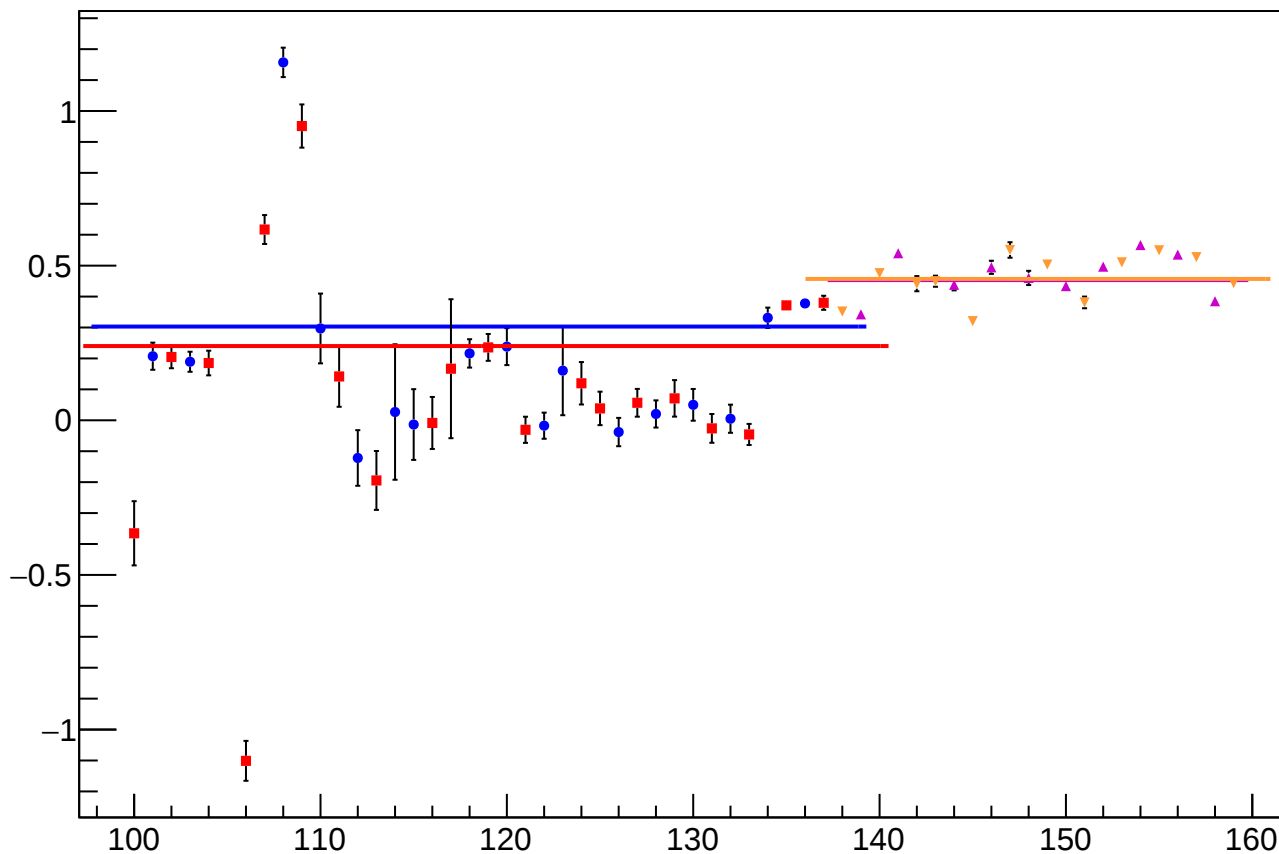
Right Out: 10.440+/-0.160 χ^2/NDF : 3829.1/19

Left In: 14.094+/-0.100 χ^2/NDF : 1024.5/9

12.744+/-0.081 χ^2/NDF : 4611.7/28

13.060+/-0.085 χ^2/NDF : 5228.0/29

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.457 ± 0.004 χ^2/NDF : 297.9/11

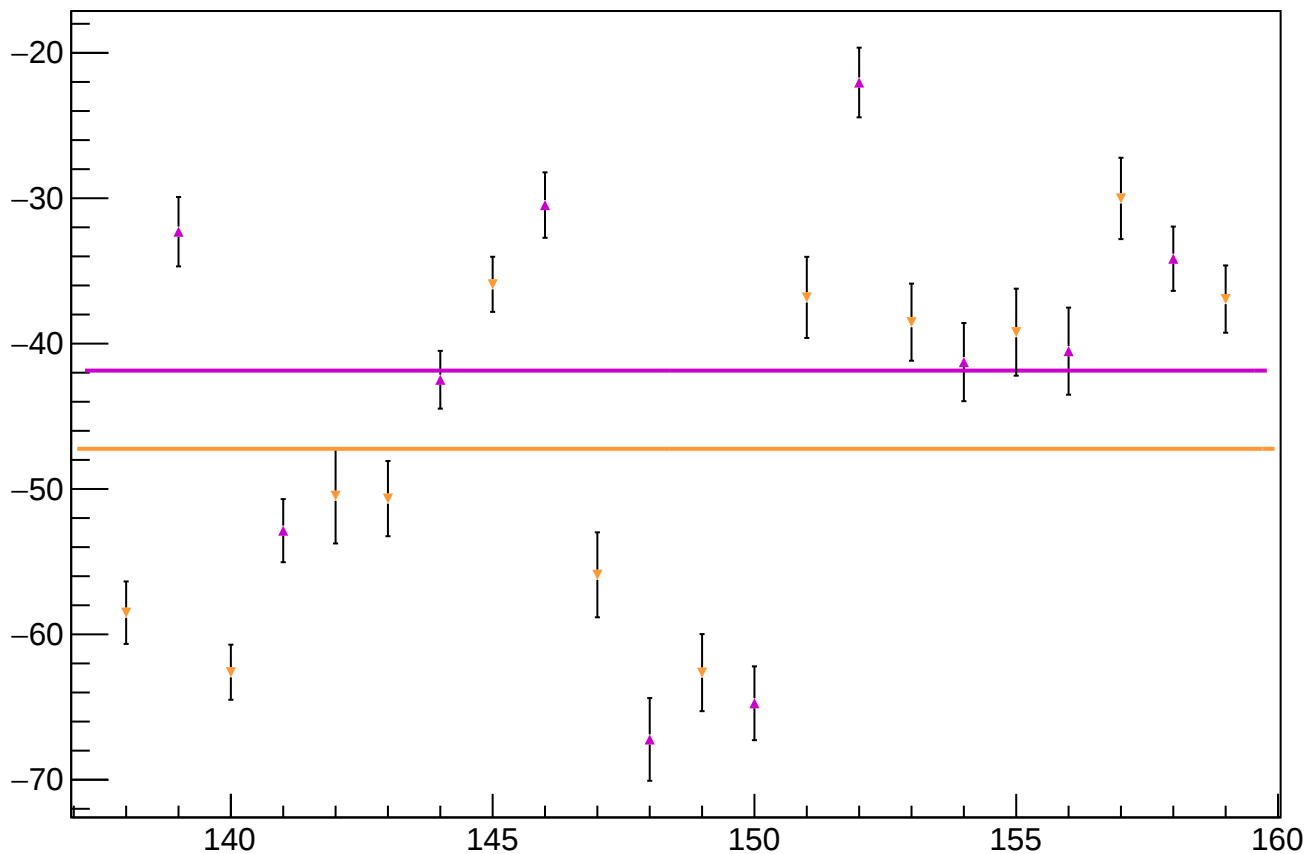
Right Out: 0.240 ± 0.009 χ^2/NDF : 984.5/19

Left In: 0.453 ± 0.004 χ^2/NDF : 338.8/9

0.425 ± 0.004 χ^2/NDF : 1222.9/28

0.409 ± 0.004 χ^2/NDF : 1821.1/29

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -47.235+/-0.712 χ^2/NDF : 263.8/11

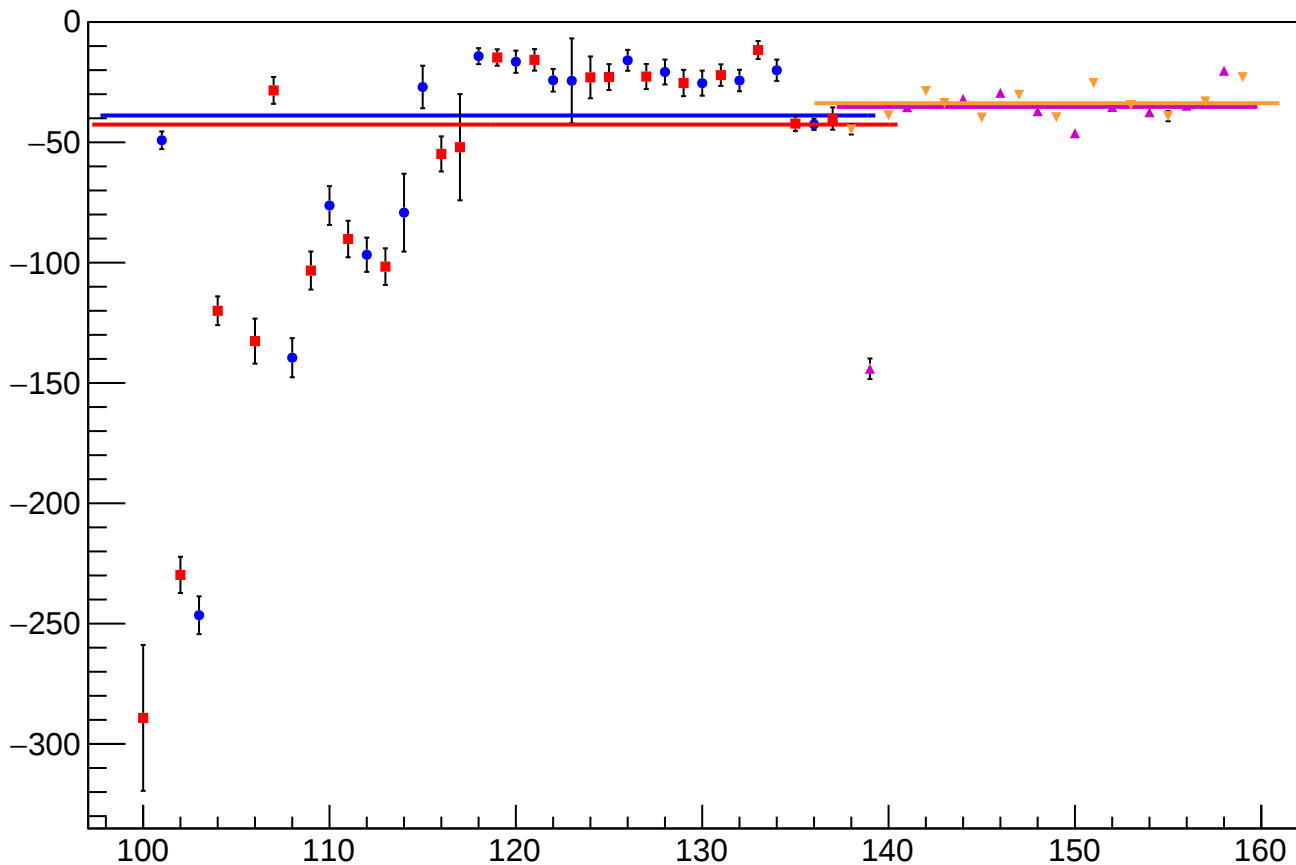
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -41.856+/-0.757 χ^2/NDF : 308.9/9

-47.235+/-0.712 χ^2/NDF : 263.8/11

-41.856+/-0.757 χ^2/NDF : 308.9/9

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -33.738 ± 0.498 $\chi^2/\text{NDF}: 155.9/11$

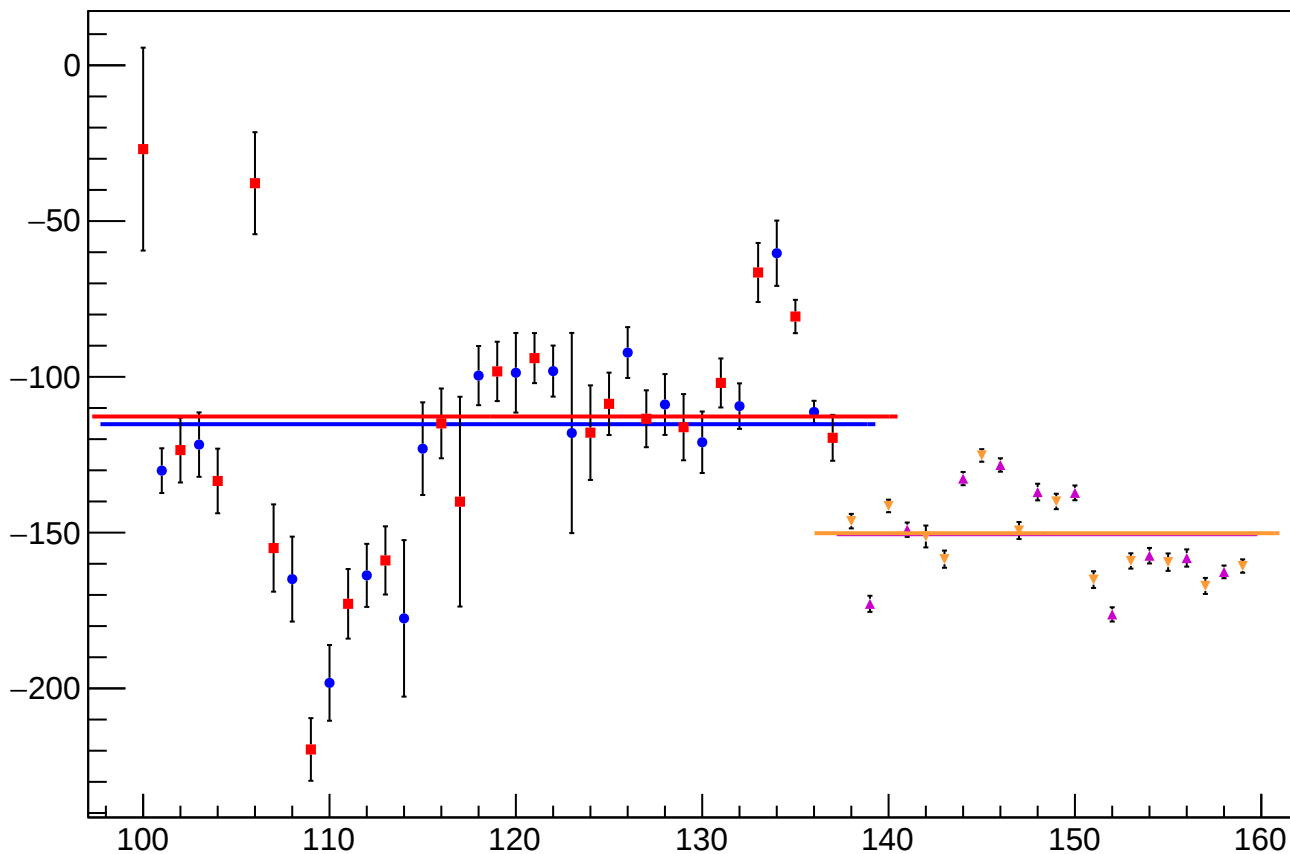
Right Out: -42.614 ± 1.208 $\chi^2/\text{NDF}: 1345.9/19$

Left In: -35.267 ± 0.525 $\chi^2/\text{NDF}: 811.4/9$

-34.546 ± 0.457 $\chi^2/\text{NDF}: 1294.4/28$

-36.434 ± 0.482 $\chi^2/\text{NDF}: 2188.4/29$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199 $\pm$ 2.081 χ^2 /NDF: 140.8/16

Left Out: -150.187 $\pm$ 0.710 χ^2 /NDF: 323.3/11

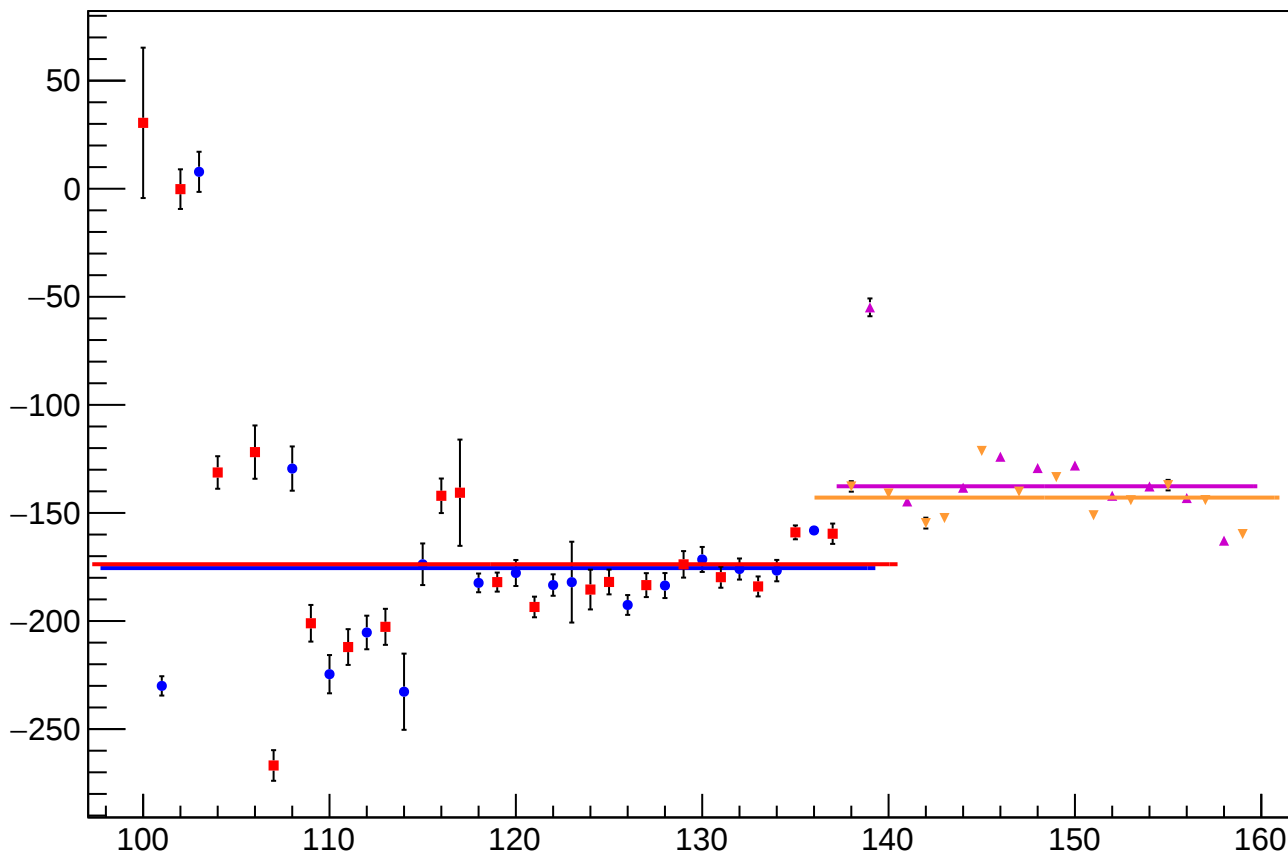
Right Out: -112.729 $\pm$ 2.205 χ^2 /NDF: 273.1/19

Left In: -150.510 $\pm$ 0.743 χ^2 /NDF: 484.6/9

-146.544 $\pm$ 0.672 χ^2 /NDF: 717.2/28

-146.655 $\pm$ 0.704 χ^2 /NDF: 1021.4/29

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -142.895 ± 0.593 χ^2/NDF : 343.9/11

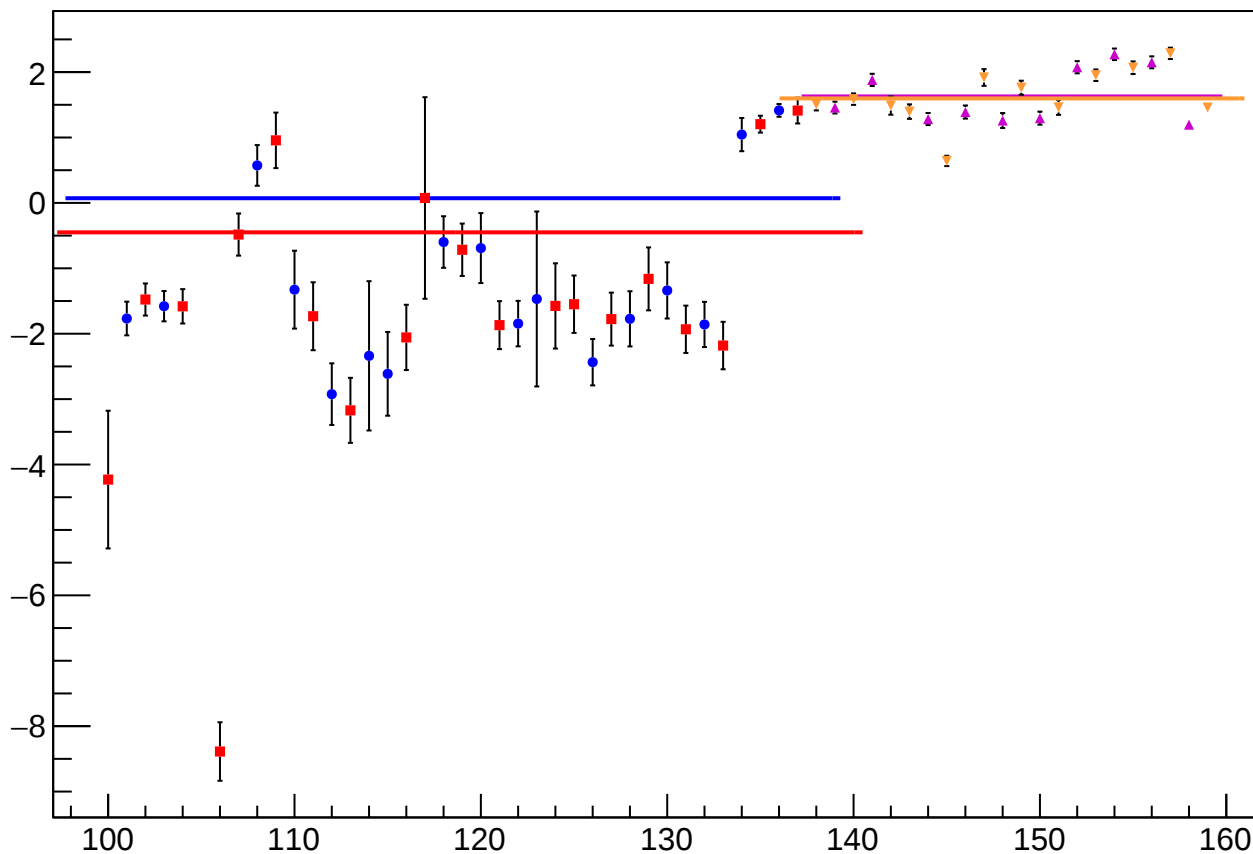
Right Out: -173.729 ± 1.354 χ^2/NDF : 739.7/19

Left In: -137.662 ± 0.624 χ^2/NDF : 778.4/9

-148.681 ± 0.538 χ^2/NDF : 1573.1/28

-143.979 ± 0.567 χ^2/NDF : 2103.0/29

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.598 ± 0.028 χ^2/NDF : 266.8/11

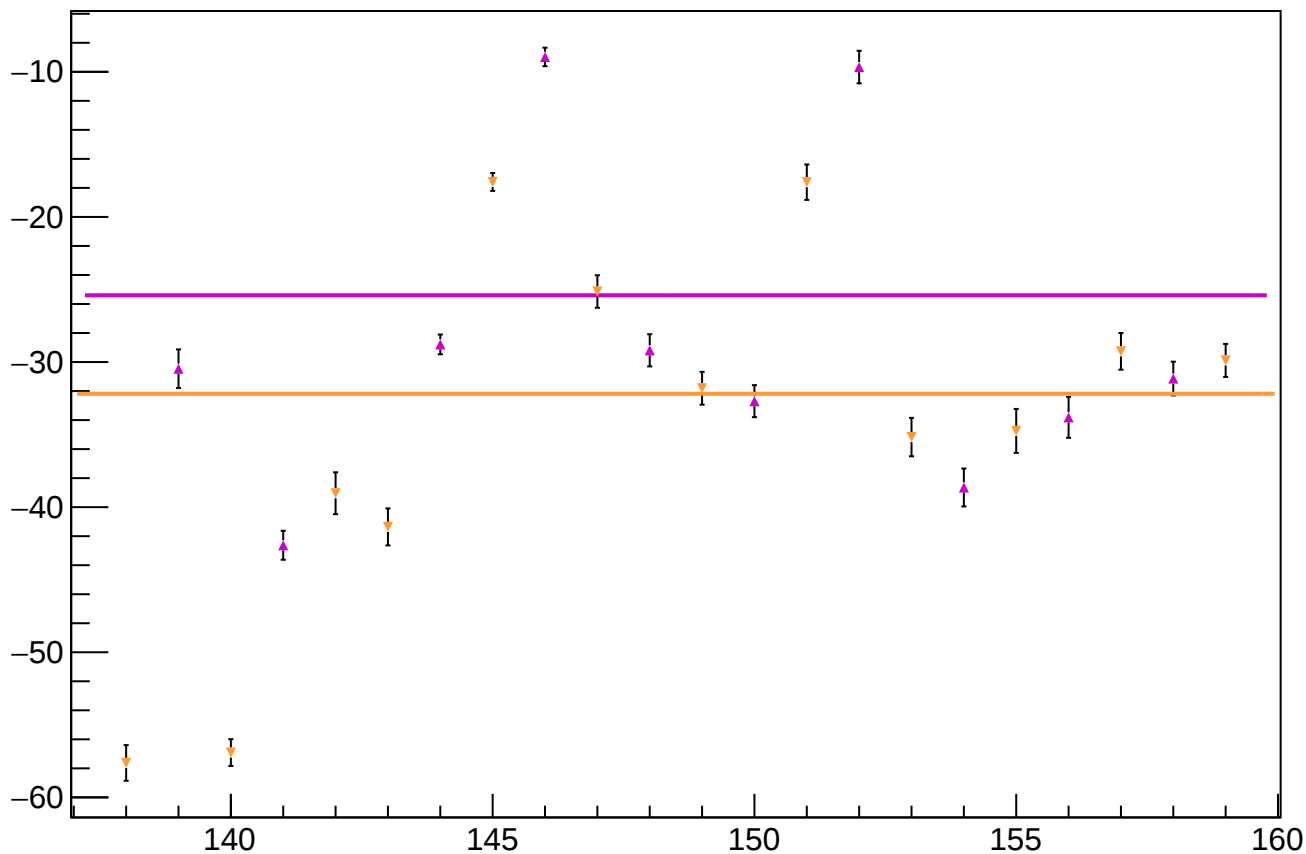
Right Out: -0.450 ± 0.071 χ^2/NDF : 751.4/19

Left In: 1.628 ± 0.029 χ^2/NDF : 196.1/9

1.375 ± 0.026 χ^2/NDF : 1233.2/28

1.331 ± 0.027 χ^2/NDF : 1676.5/29

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

Left Out: -32.187+/-0.313 χ^2/NDF :1980.0/11

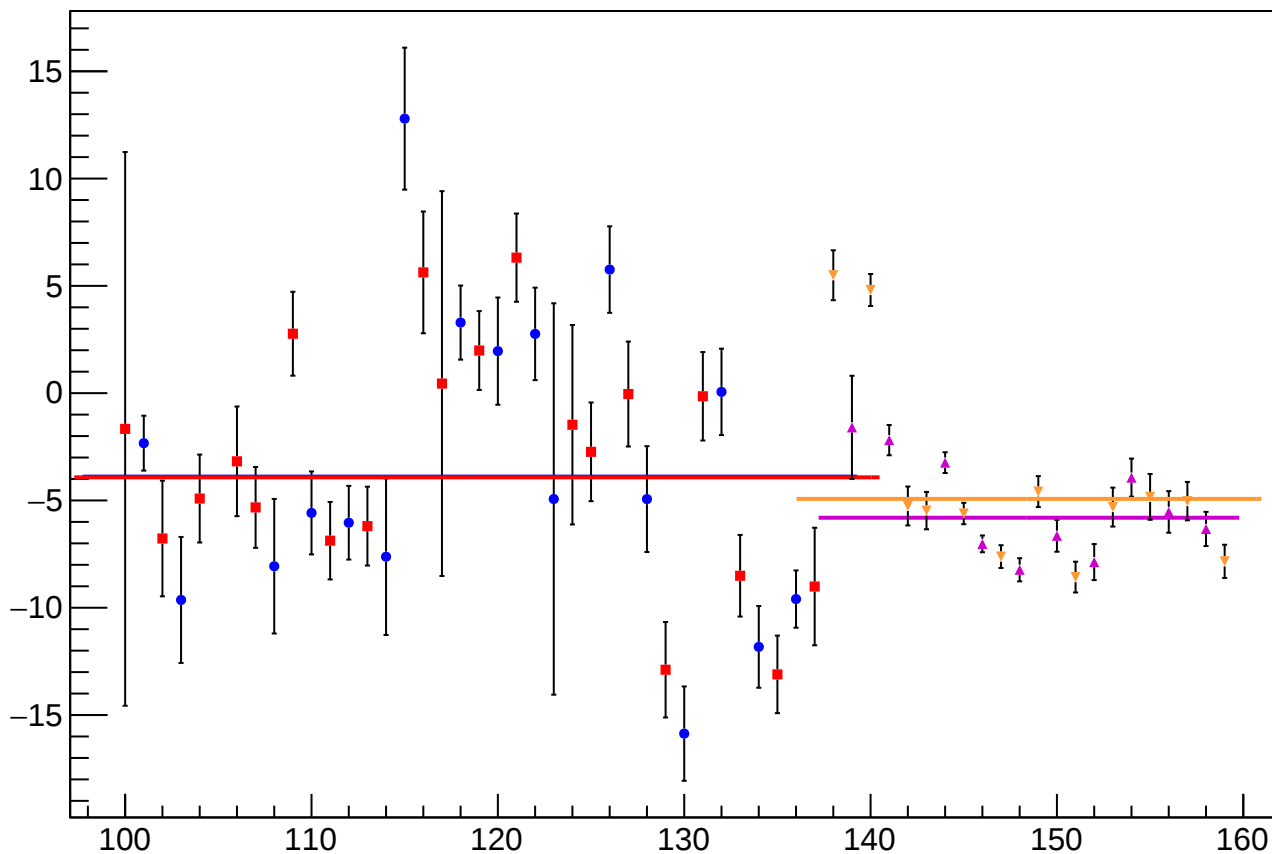
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -25.398+/-0.309 χ^2/NDF :1413.7/9

-32.187+/-0.313 χ^2/NDF : 1980.0/11

-25.398+/-0.309 χ^2/NDF : 1413.7/9

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 χ^2/NDF : 160.5/16

Left Out: -4.927 ± 0.216 χ^2/NDF : 319.2/11

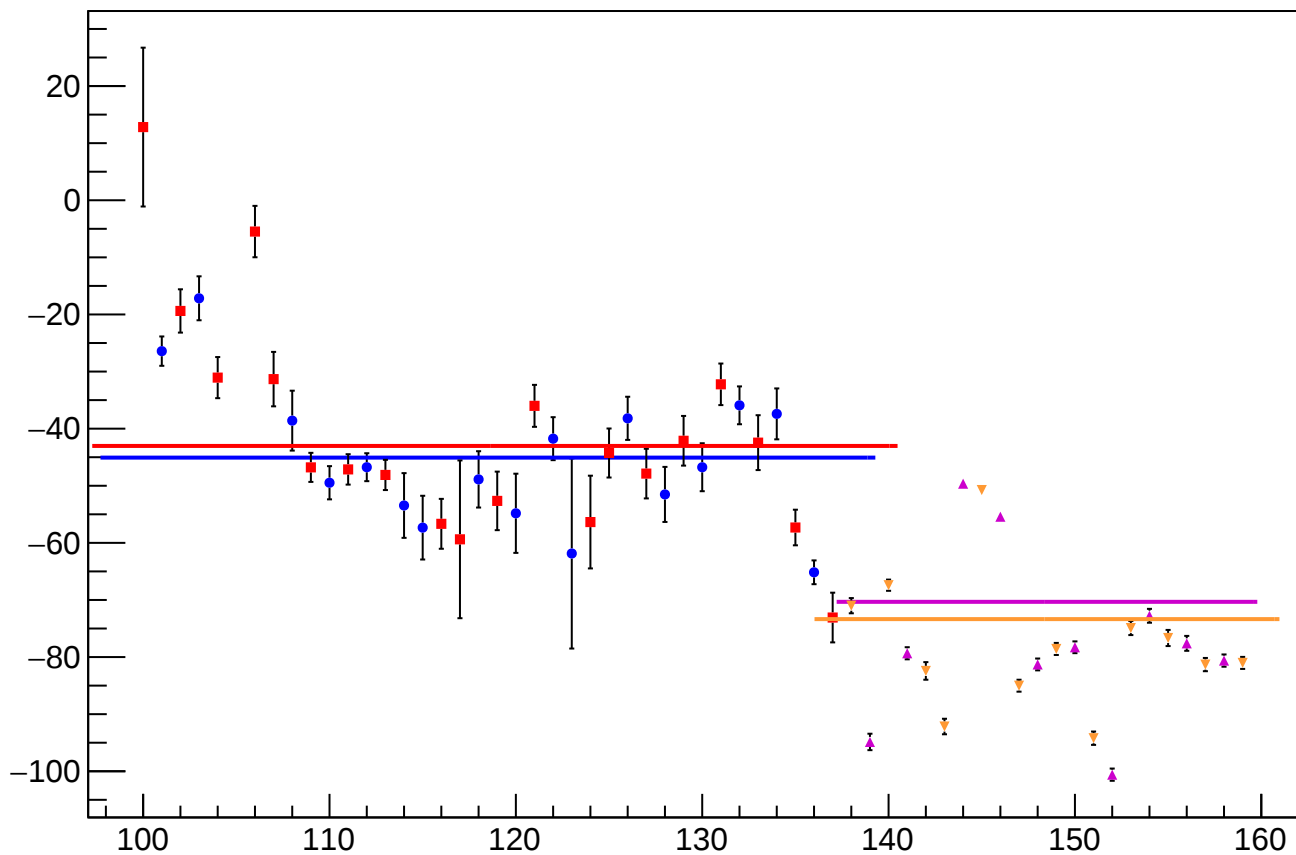
Right Out: -3.923 ± 0.506 χ^2/NDF : 122.4/19

Left In: -5.805 ± 0.206 χ^2/NDF : 99.8/9

-4.764 ± 0.198 χ^2/NDF : 483.3/28

-5.538 ± 0.191 χ^2/NDF : 234.1/29

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -73.354 ± 0.313 χ^2/NDF : 2028.9/11

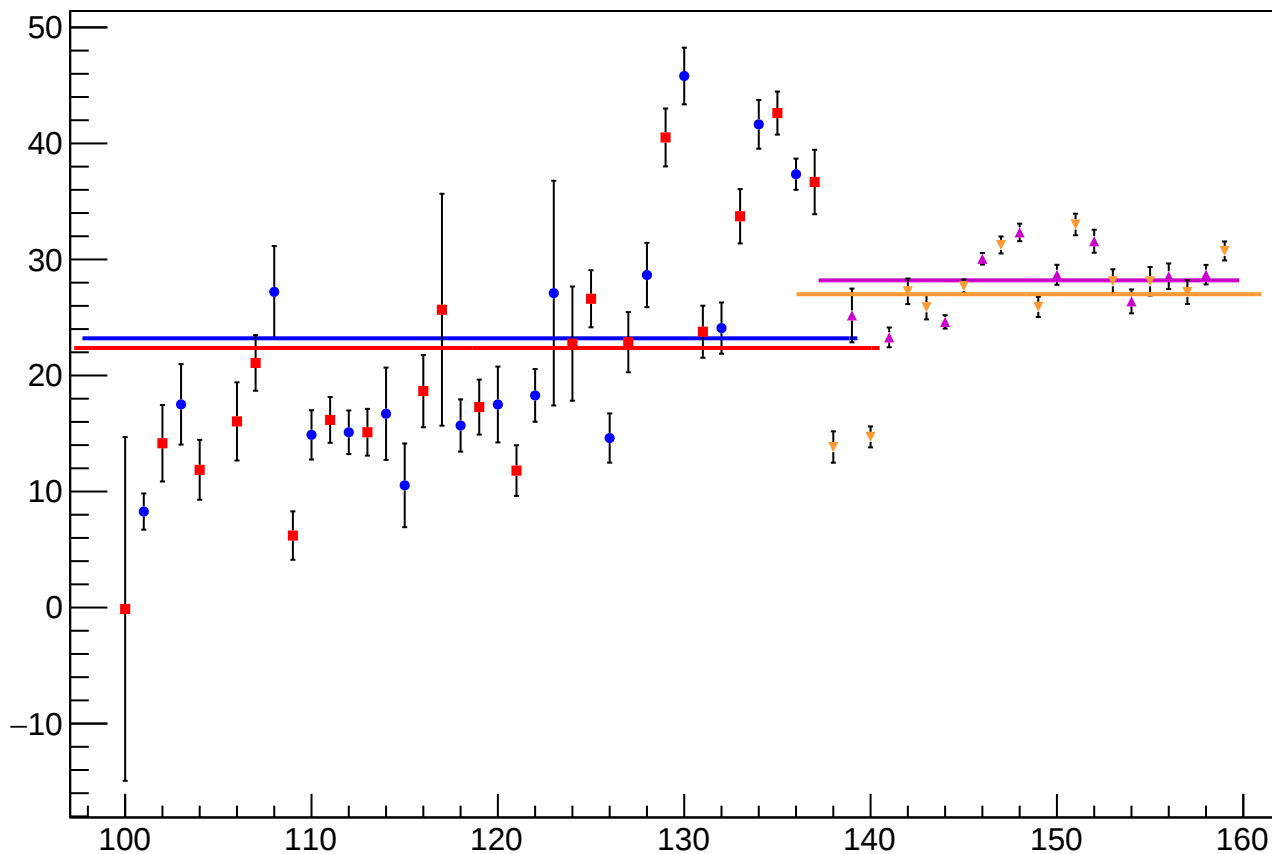
Right Out: -43.025 ± 0.876 χ^2/NDF : 249.7/19

Left In: -70.327 ± 0.305 χ^2/NDF : 2854.8/9

-70.207 ± 0.295 χ^2/NDF : 3169.8/28

-67.383 ± 0.288 χ^2/NDF : 3971.0/29

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 27.005 $\pm$ 0.259 χ^2 /NDF:383.1/11

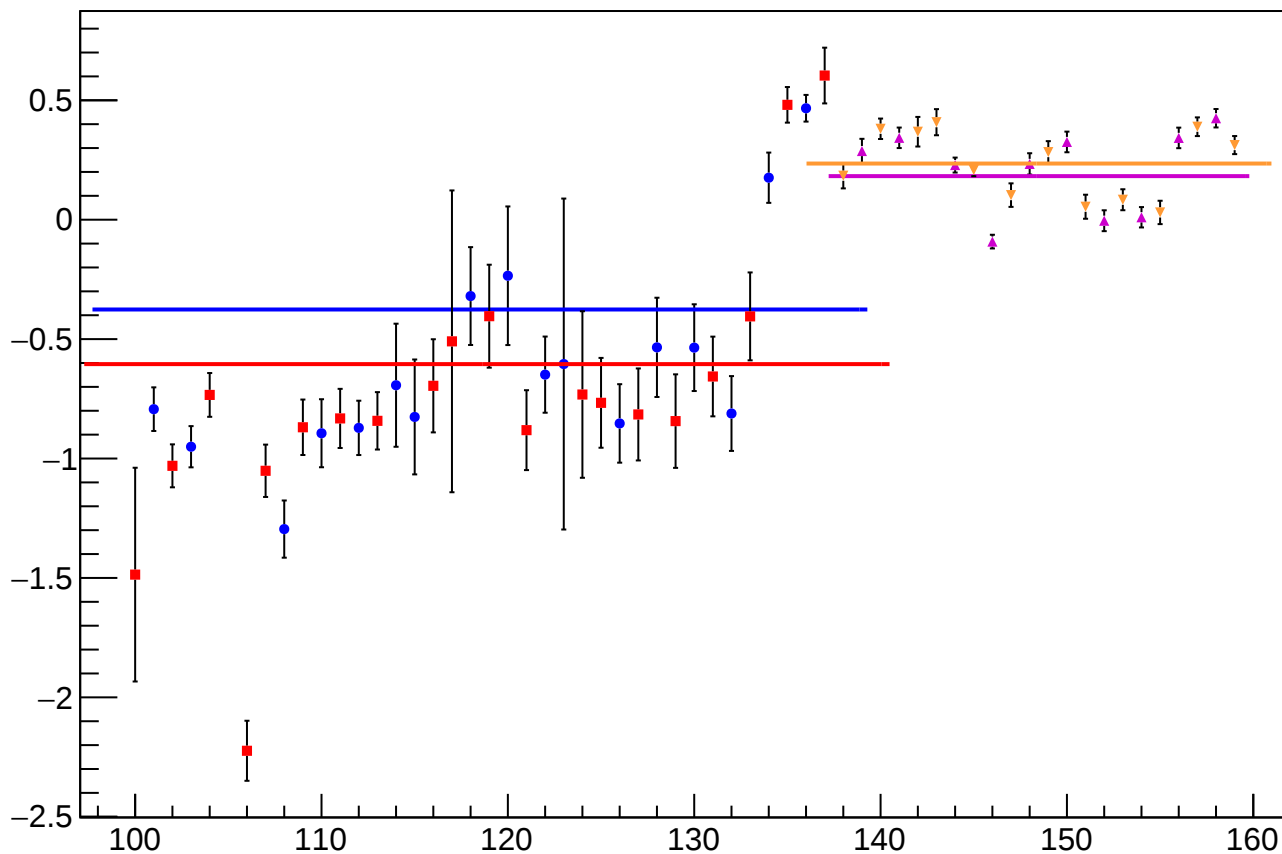
Right Out: 22.372 $\pm$ 0.572 χ^2 /NDF: 367.0/19

Left In: 28.199 $\pm$ 0.250 χ^2 /NDF:133.4/9

26.333 $\pm$ 0.235 χ^2 /NDF: 878.4/28

27.262 $\pm$ 0.229 χ^2 /NDF: 587.6/29

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.235 ± 0.012 $\chi^2/\text{NDF}: 98.6/11$

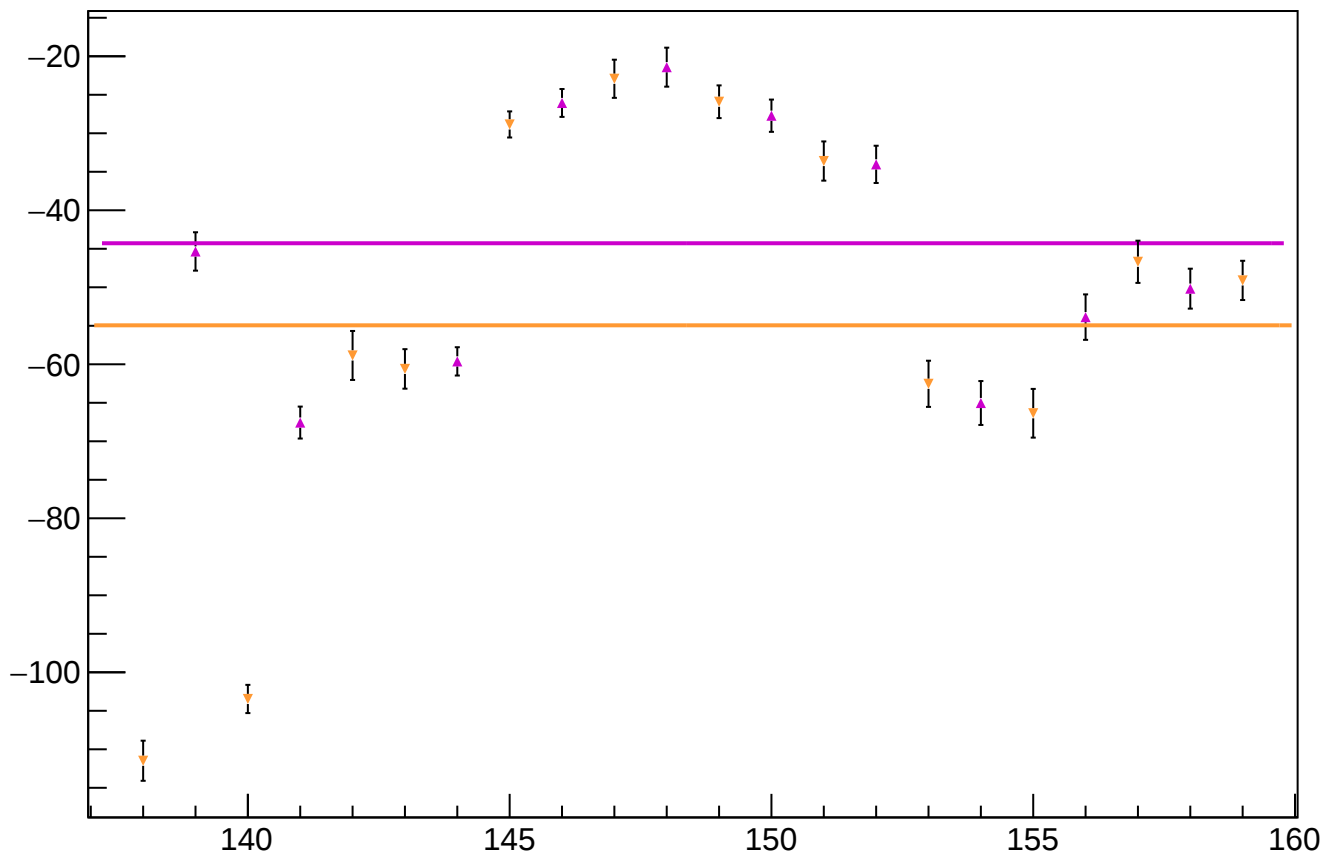
Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

Left In: 0.182 ± 0.012 $\chi^2/\text{NDF}: 212.1/9$

0.147 ± 0.011 $\chi^2/\text{NDF}: 888.4/28$

0.069 ± 0.011 $\chi^2/\text{NDF}: 1344.7/29$

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -54.939+/-0.693 χ^2/NDF :1873.5/11

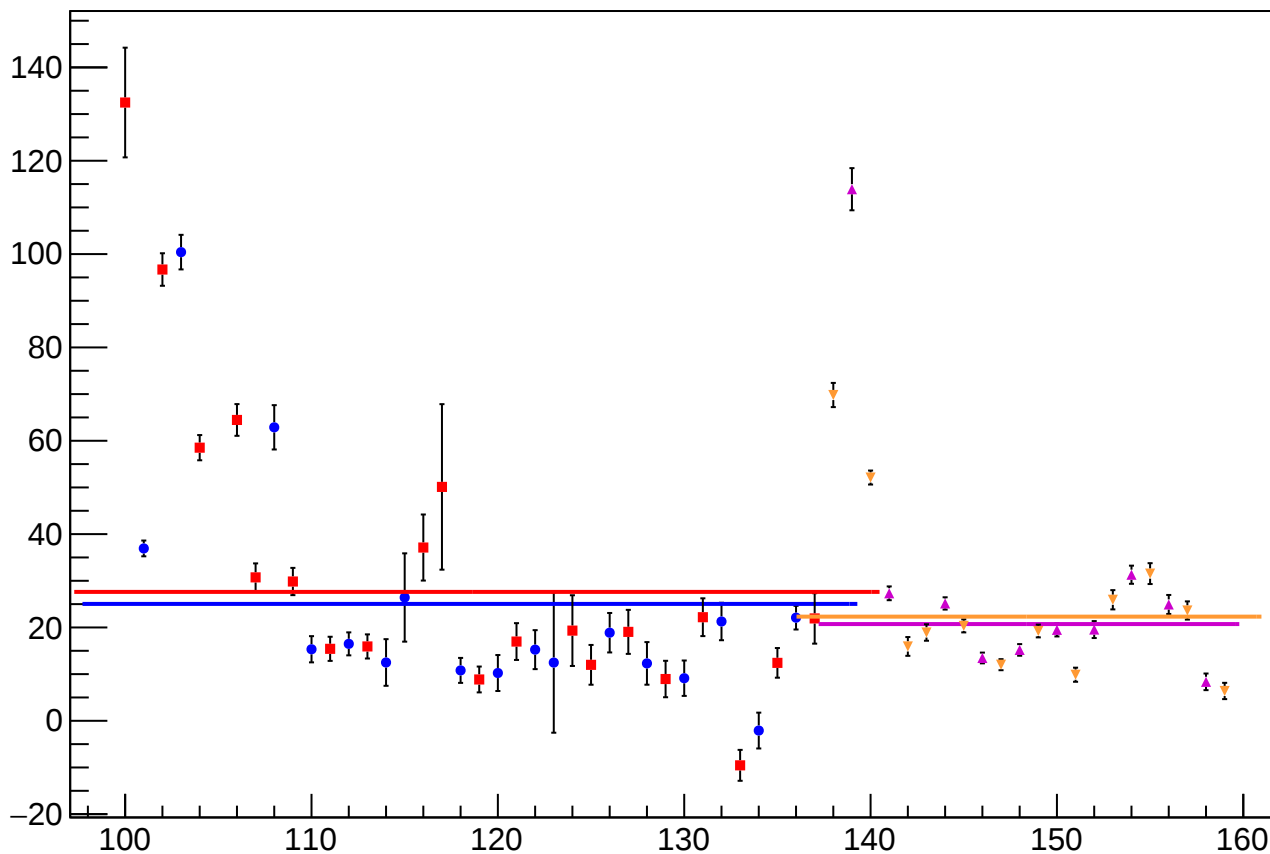
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -44.282+/-0.719 χ^2/NDF :527.8/9

-54.939+/-0.693 χ^2/NDF : 1873.5/11

-44.282+/-0.719 χ^2/NDF : 527.8/9

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 ± 0.806 χ^2/NDF : 686.4/16

Left Out: 22.320 ± 0.477 χ^2/NDF : 998.8/11

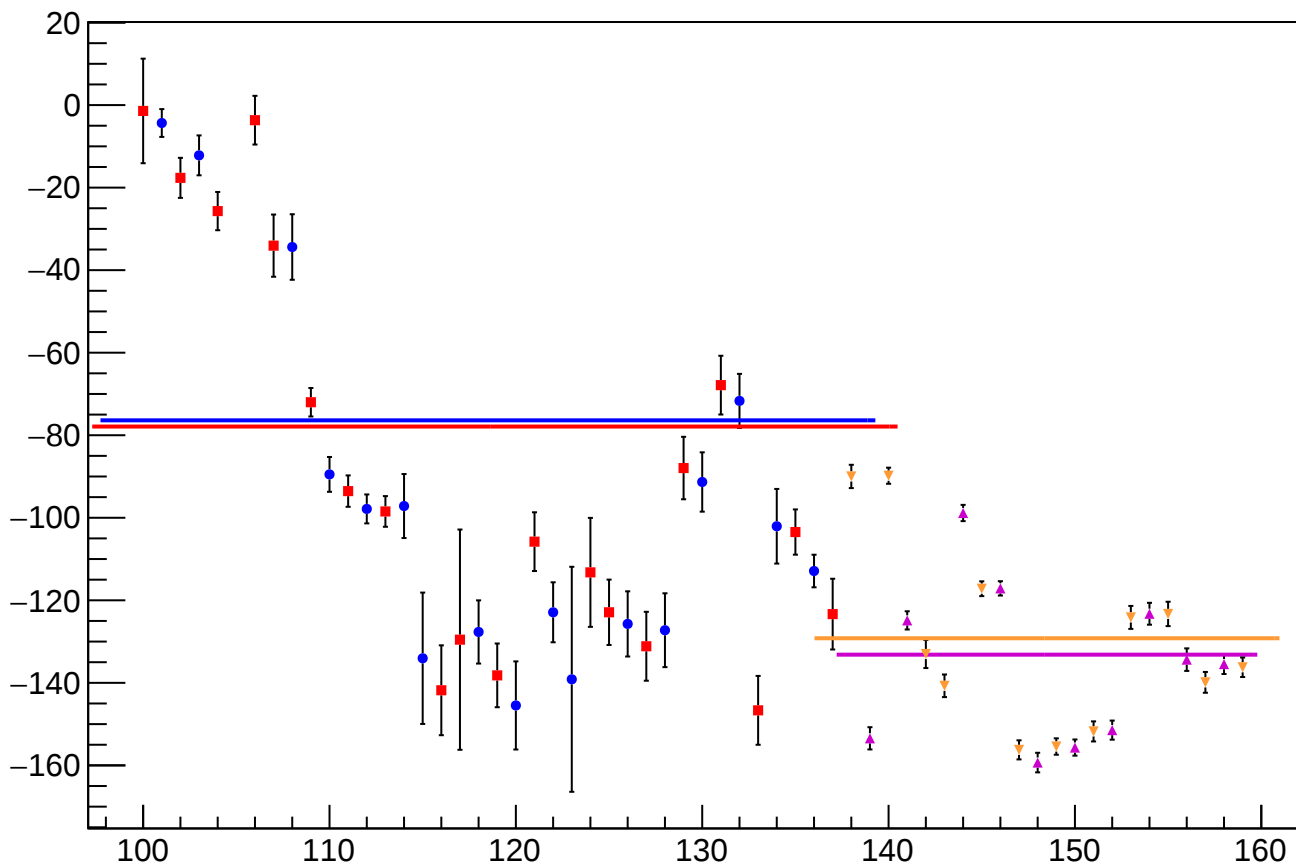
Right Out: 27.620 ± 0.809 χ^2/NDF : 1014.4/19

Left In: 20.727 ± 0.493 χ^2/NDF : 599.7/9

23.028 ± 0.411 χ^2/NDF : 1693.6/28

22.595 ± 0.421 χ^2/NDF : 1667.0/29

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392+/-1.416 χ^2/NDF : 1031.9/16

Left Out: -129.196+/-0.689 χ^2/NDF : 1095.1/11

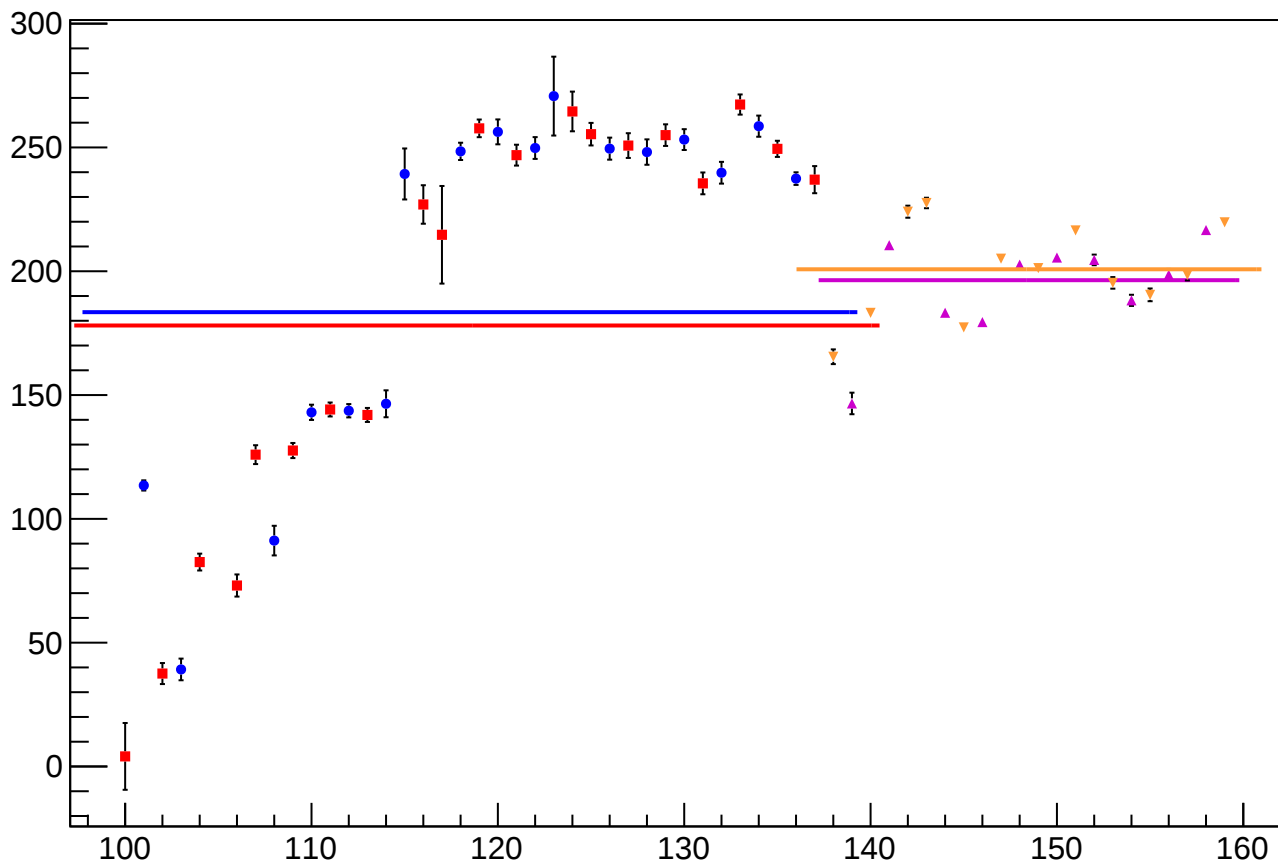
Right Out: -77.894+/-1.351 χ^2/NDF : 876.4/19

Left In: -133.171+/-0.706 χ^2/NDF : 790.5/9

-119.097+/-0.619 χ^2/NDF : 3251.3/28

-121.317+/-0.626 χ^2/NDF : 2981.8/29

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2/NDF : 5331.4/16

Left Out: 200.791 $\pm$ 0.573 χ^2/NDF : 902.0/11

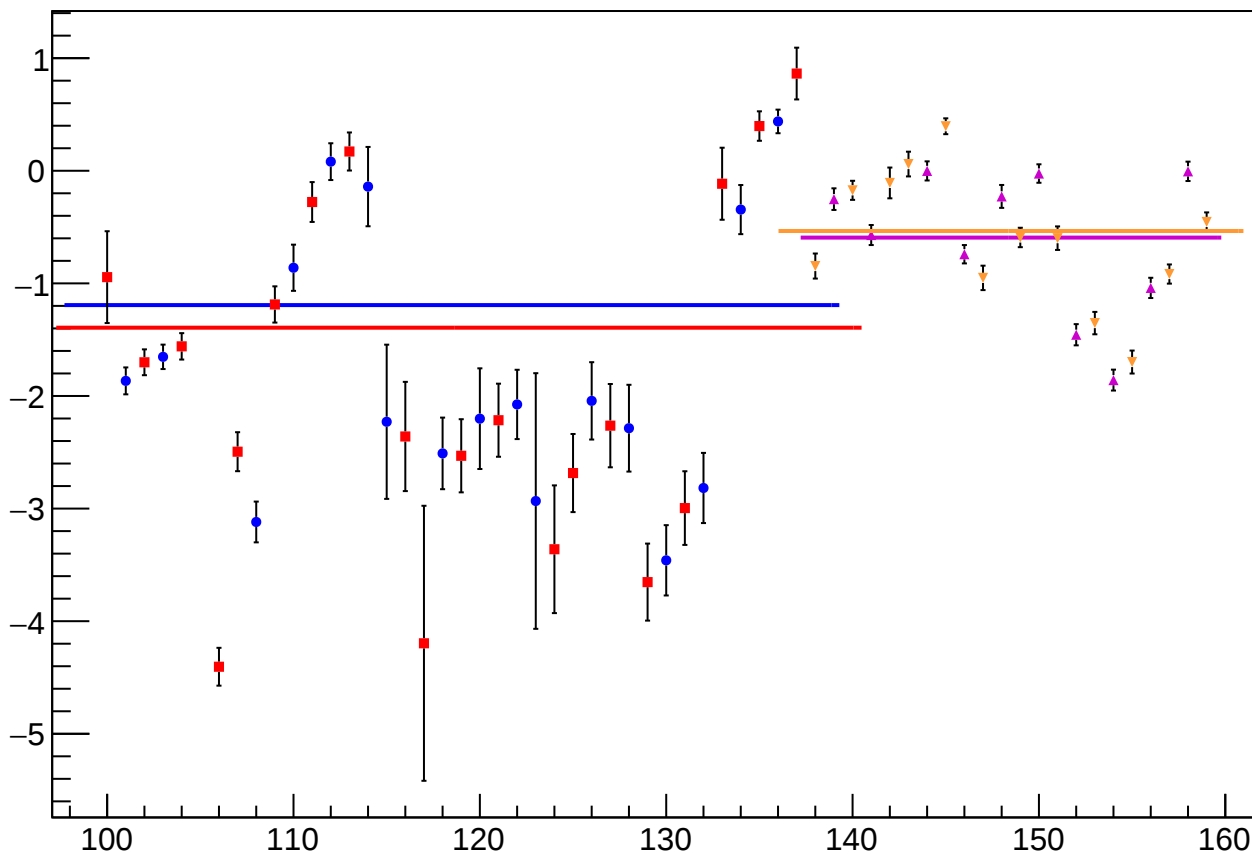
Right Out: 178.092 $\pm$ 0.923 χ^2/NDF : 6349.2/19

Left In: 196.388 $\pm$ 0.591 χ^2/NDF : 594.4/9

195.937 $\pm$ 0.486 χ^2/NDF : 6489.0/28

191.064 $\pm$ 0.498 χ^2/NDF : 7222.2/29

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193+/-0.048 χ^2/NDF : 621.7/16

Left Out: -0.535+/-0.027 χ^2/NDF : 474.6/11

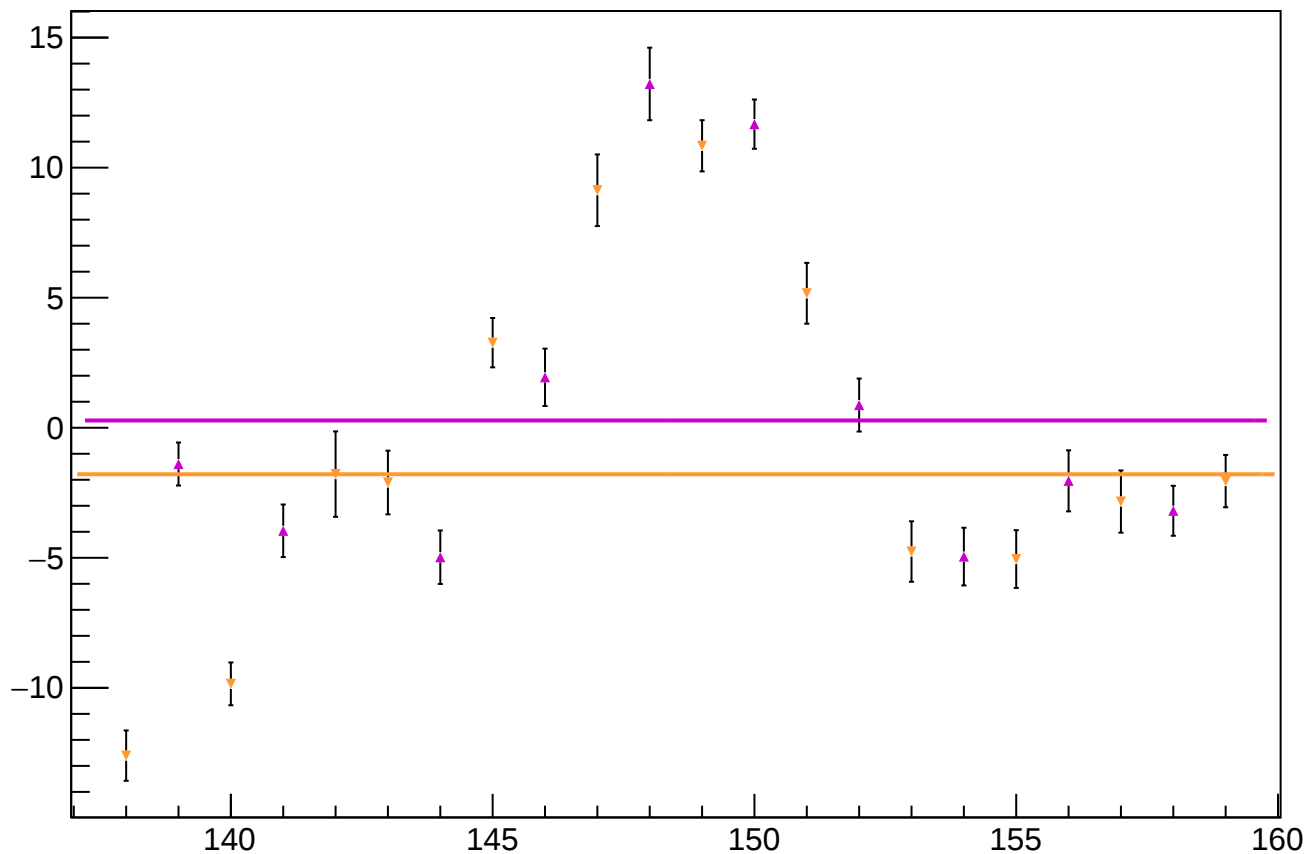
Right Out: -1.393+/-0.046 χ^2/NDF : 925.8/19

Left In: -0.594+/-0.028 χ^2/NDF : 466.8/9

-0.695+/-0.024 χ^2/NDF : 1237.6/28

-0.813+/-0.024 χ^2/NDF : 1613.8/29

reg_asym_sam5_diff_bpm1X_slope vs Slug



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

Left Out: -1.788+/-0.313 χ^2/NDF : 528.2/11

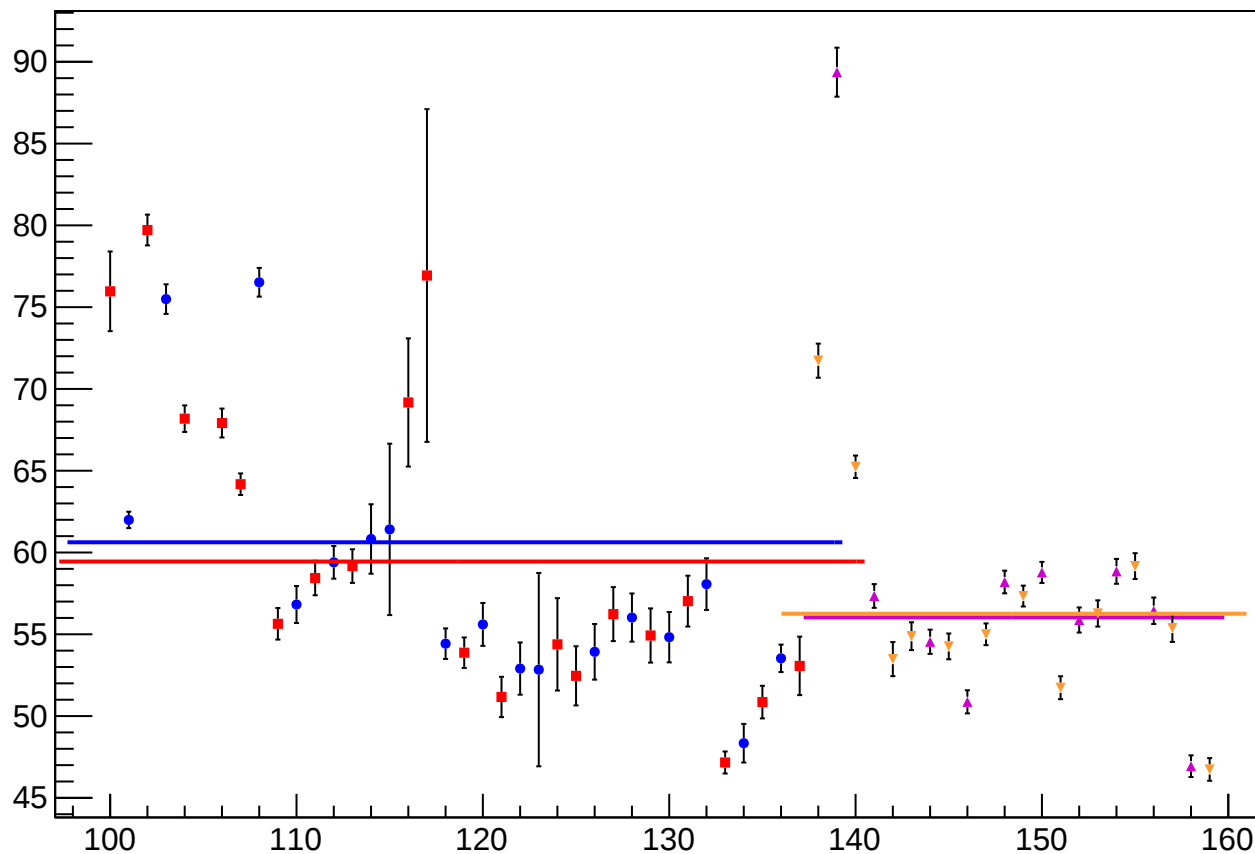
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.280+/-0.326 χ^2/NDF : 320.4/9

-1.788+/-0.313 χ^2/NDF : 528.2/11

0.280+/-0.326 χ^2/NDF : 320.4/9

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 ± 0.263 χ^2/NDF : 924.6/16

Left Out: 56.259 ± 0.222 χ^2/NDF : 659.3/11

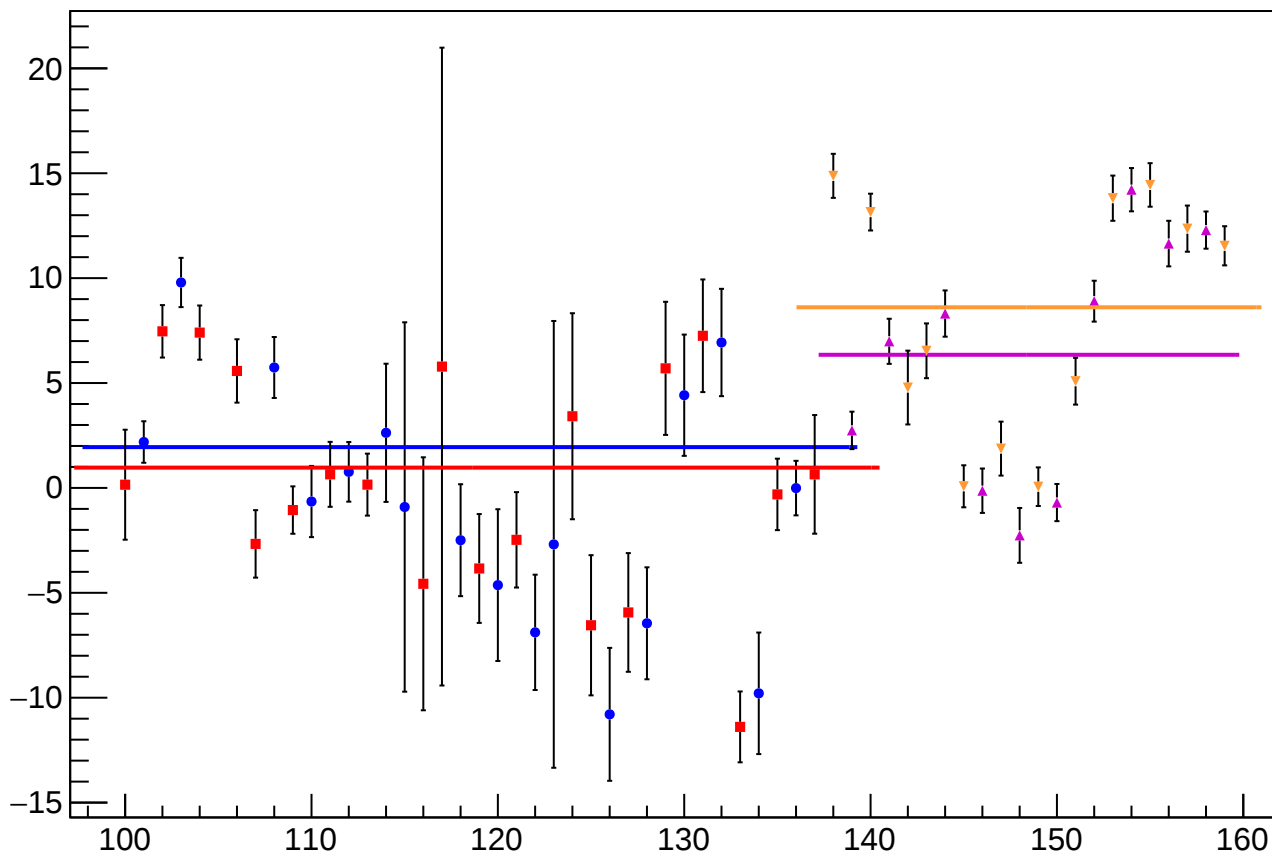
Right Out: 59.448 ± 0.248 χ^2/NDF : 1326.3/19

Left In: 56.031 ± 0.237 χ^2/NDF : 785.8/9

58.073 ± 0.170 χ^2/NDF : 1744.9/28

57.661 ± 0.171 χ^2/NDF : 2211.6/29

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 $\pm$ 0.459 χ^2 /NDF: 120.6/16

Left Out: 8.610 $\pm$ 0.309 χ^2 /NDF:342.3/11

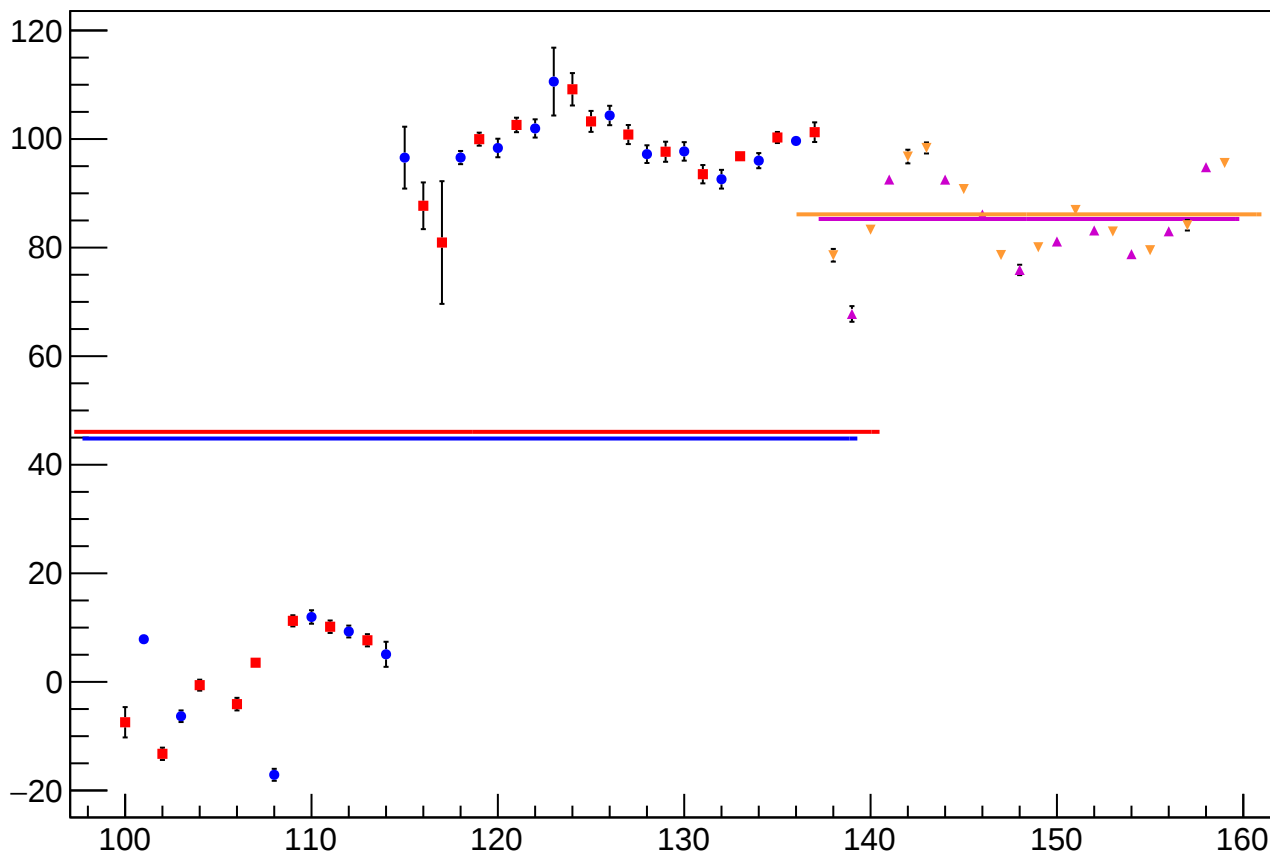
Right Out: 0.968 $\pm$ 0.424 χ^2 /NDF: 149.6/19

Left In: 6.346 $\pm$ 0.319 χ^2 /NDF:297.8/9

6.529 $\pm$ 0.256 χ^2 /NDF: 608.0/28

4.401 $\pm$ 0.255 χ^2 /NDF: 550.1/29

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 86.126+/-0.262 χ^2/NDF : 665.7/11

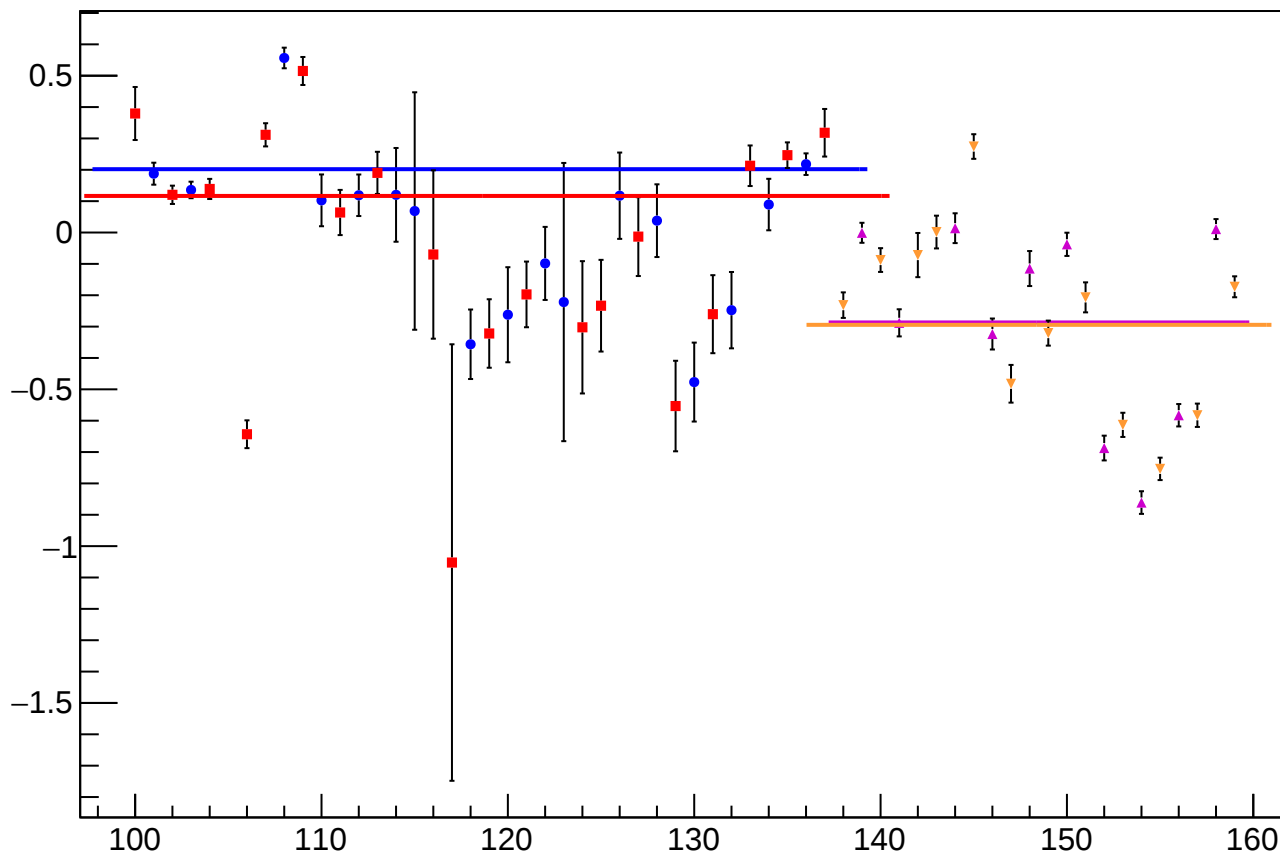
Right Out: 46.062+/-0.289 χ^2/NDF : 28272.9/19

Left In: 85.271+/-0.277 χ^2/NDF : 666.4/9

68.565+/-0.199 χ^2/NDF : 35989.7/28

66.546+/-0.200 χ^2/NDF : 38529.9/29

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.294 ± 0.012 χ^2/NDF : 604.5/11

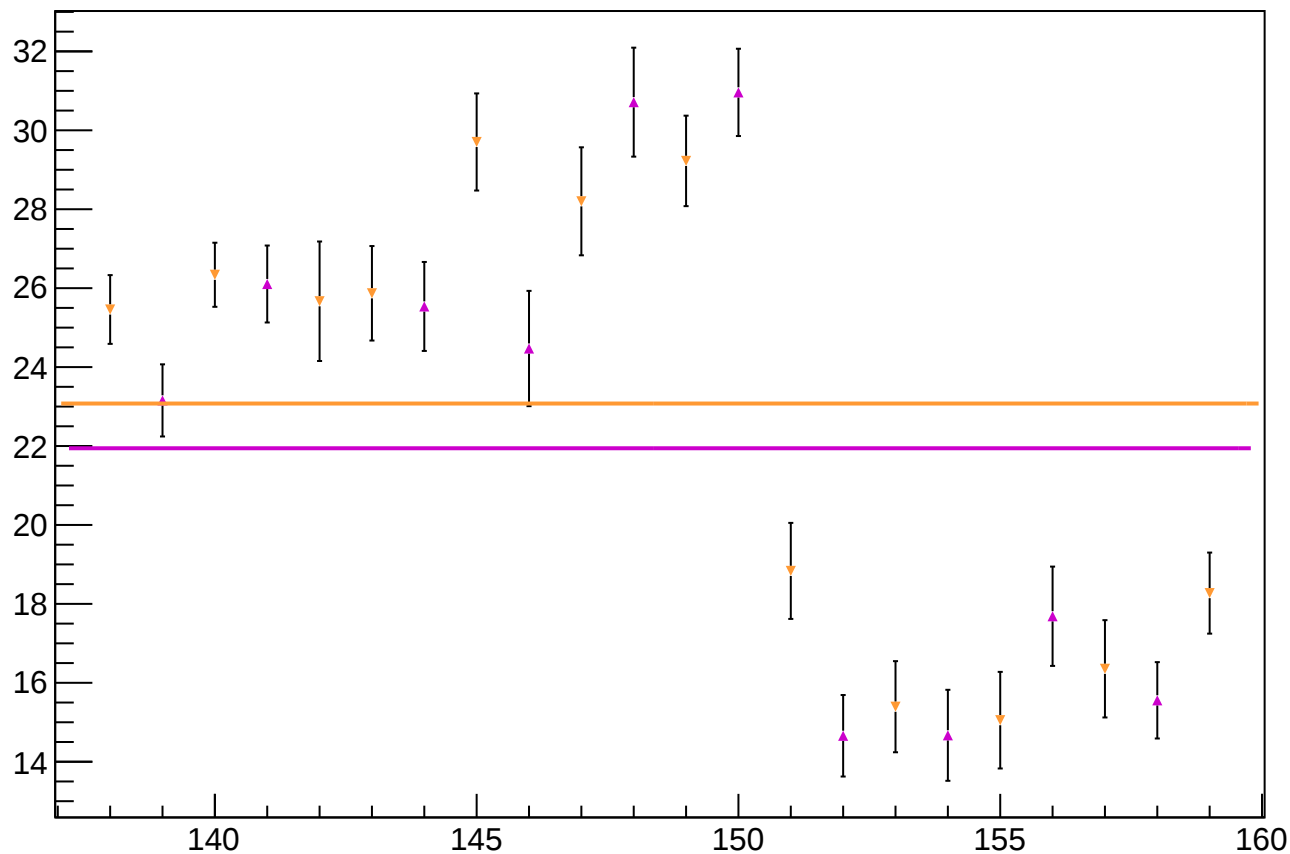
Right Out: 0.117 ± 0.013 χ^2/NDF : 502.5/19

Left In: -0.287 ± 0.012 χ^2/NDF : 687.4/9

-0.085 ± 0.009 χ^2/NDF : 1541.3/28

-0.096 ± 0.009 χ^2/NDF : 1696.4/29

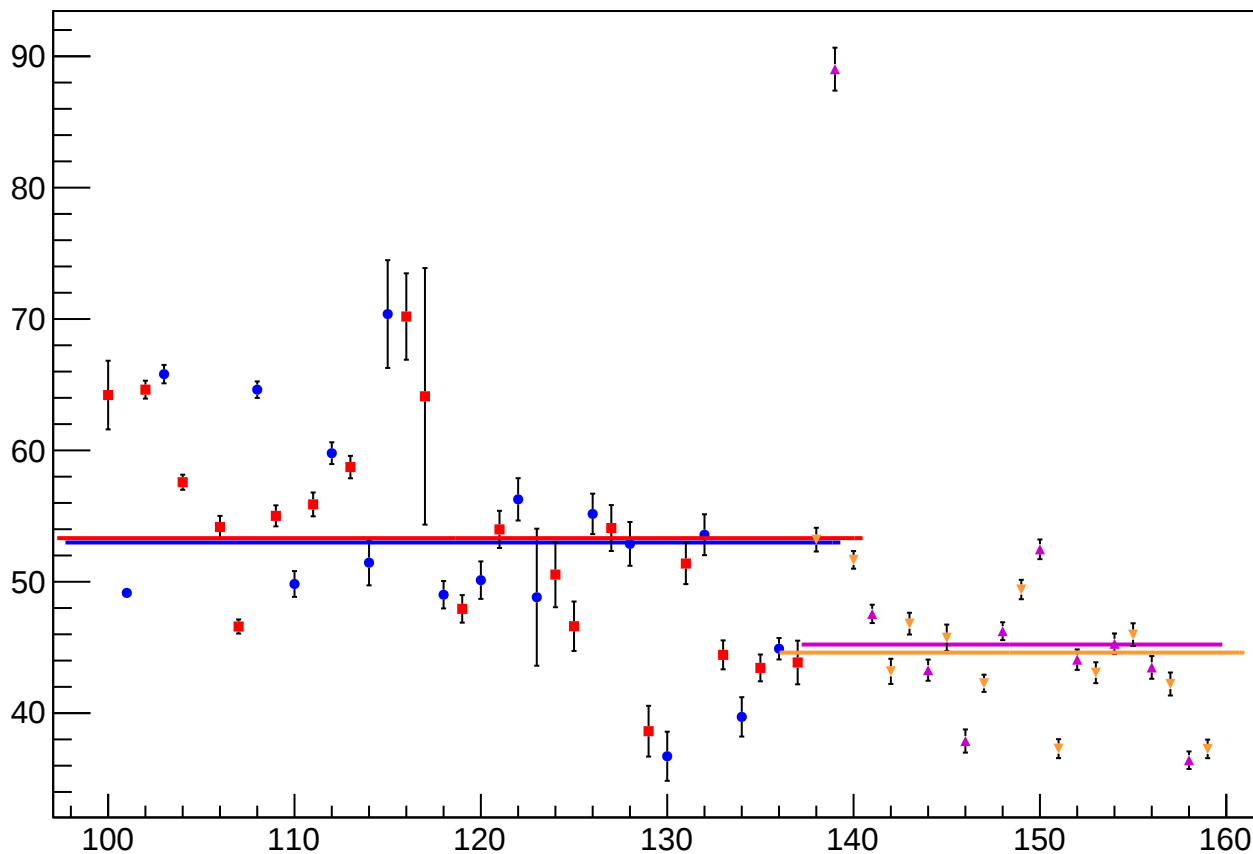
reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 23.077+/-0.322 χ^2/NDF :254.8/11
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 21.943+/-0.348 χ^2/NDF :284.6/9

23.077+/-0.322 χ^2/NDF : 254.8/11
21.943+/-0.348 χ^2/NDF : 284.6/9

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 44.607 $\pm$ 0.228 χ^2 /NDF: 490.9/11

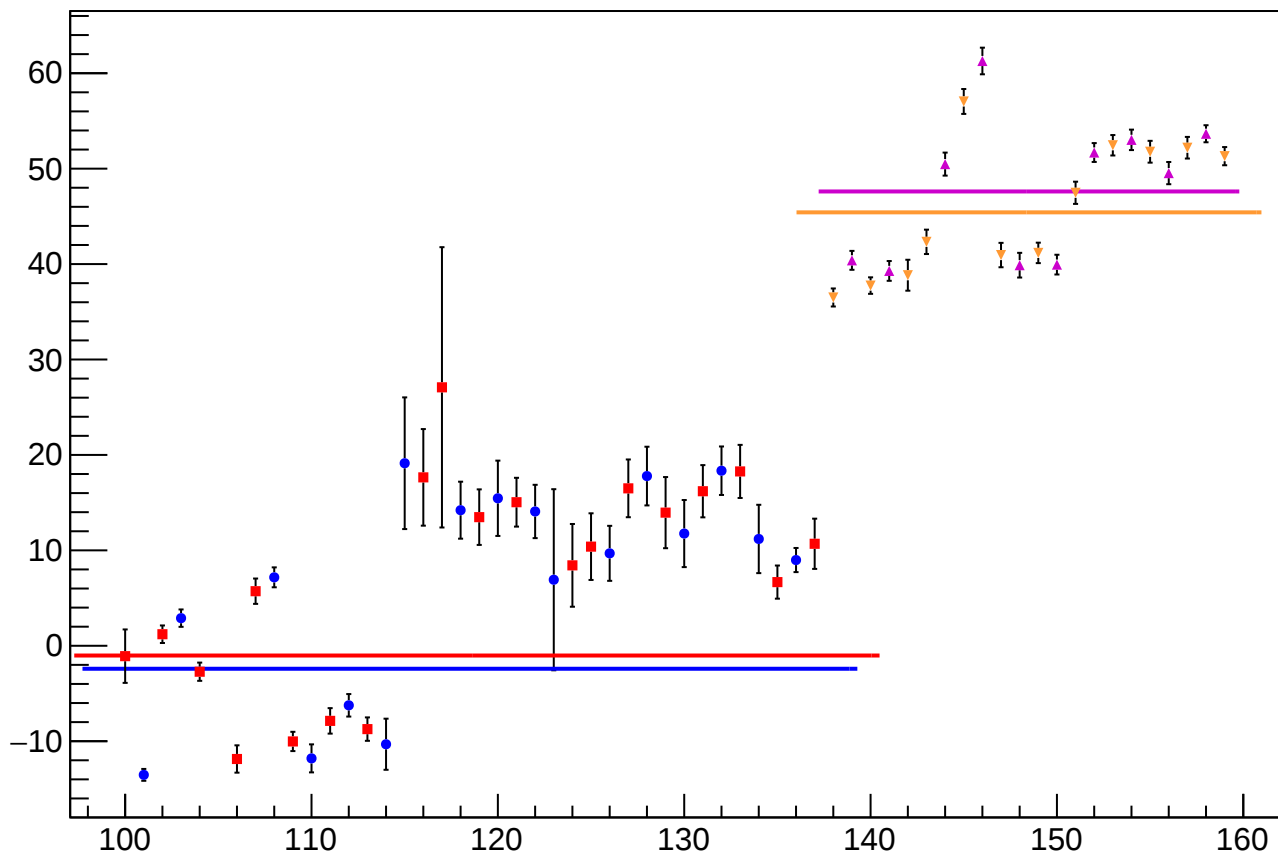
Right Out: 53.320 $\pm$ 0.227 χ^2 /NDF: 876.8/19

Left In: 45.221 $\pm$ 0.250 χ^2 /NDF: 1080.7/9

49.118 $\pm$ 0.155 χ^2 /NDF: 2418.6/28

49.659 $\pm$ 0.168 χ^2 /NDF: 2534.8/29

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 45.420 ± 0.320 χ^2/NDF : 448.5/11

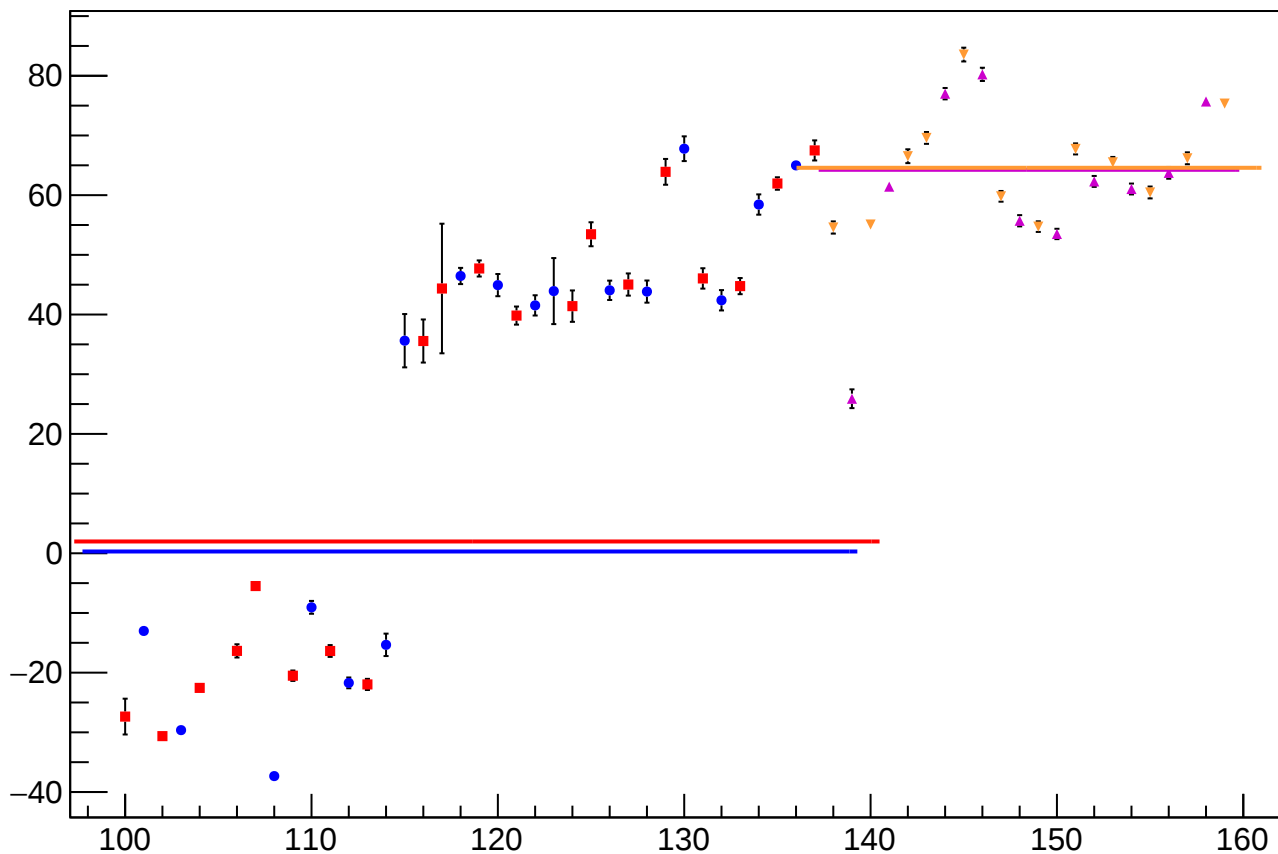
Right Out: -1.021 ± 0.377 χ^2/NDF : 511.2/19

Left In: 47.609 ± 0.342 χ^2/NDF : 400.9/9

24.600 ± 0.240 χ^2/NDF : 11015.9/28

25.676 ± 0.253 χ^2/NDF : 10049.8/29

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 $\chi^2/\text{NDF}: 18259.2/16$

Left Out: 64.585 ± 0.270 $\chi^2/\text{NDF}: 924.5/11$

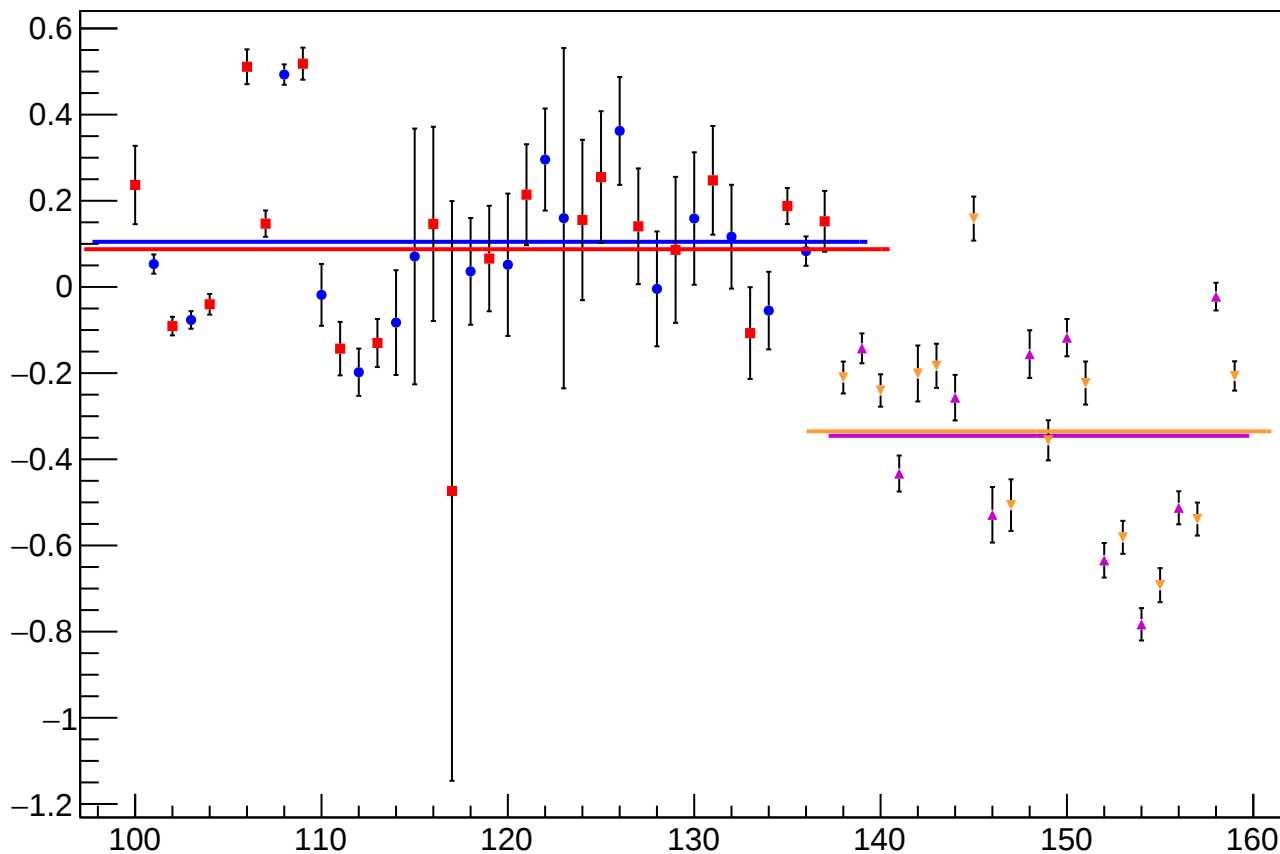
Right Out: 1.978 ± 0.267 $\chi^2/\text{NDF}: 15465.9/19$

Left In: 64.249 ± 0.293 $\chi^2/\text{NDF}: 1510.3/9$

29.626 ± 0.182 $\chi^2/\text{NDF}: 49979.8/28$

30.172 ± 0.197 $\chi^2/\text{NDF}: 41687.8/29$

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.335 ± 0.012 χ^2/NDF : 302.9/11

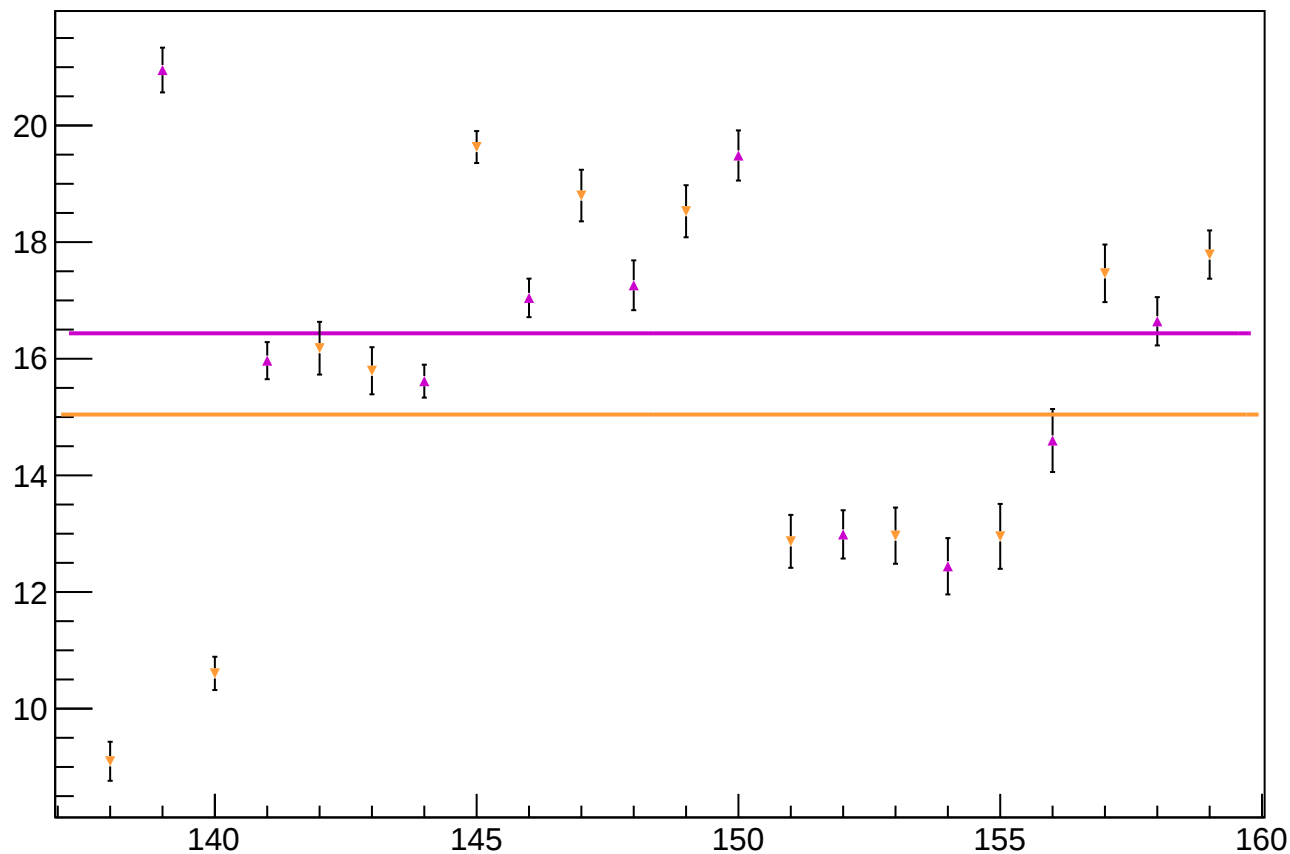
Right Out: 0.088 ± 0.011 χ^2/NDF : 391.6/19

Left In: -0.345 ± 0.013 χ^2/NDF : 396.6/9

-0.089 ± 0.008 χ^2/NDF : 1402.0/28

-0.092 ± 0.008 χ^2/NDF : 1429.4/29

reg_asym_sam7_diff_bpm1X_slope vs Slug



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

Left Out: 15.043+/-0.113 χ^2/NDF : 1104.4/11

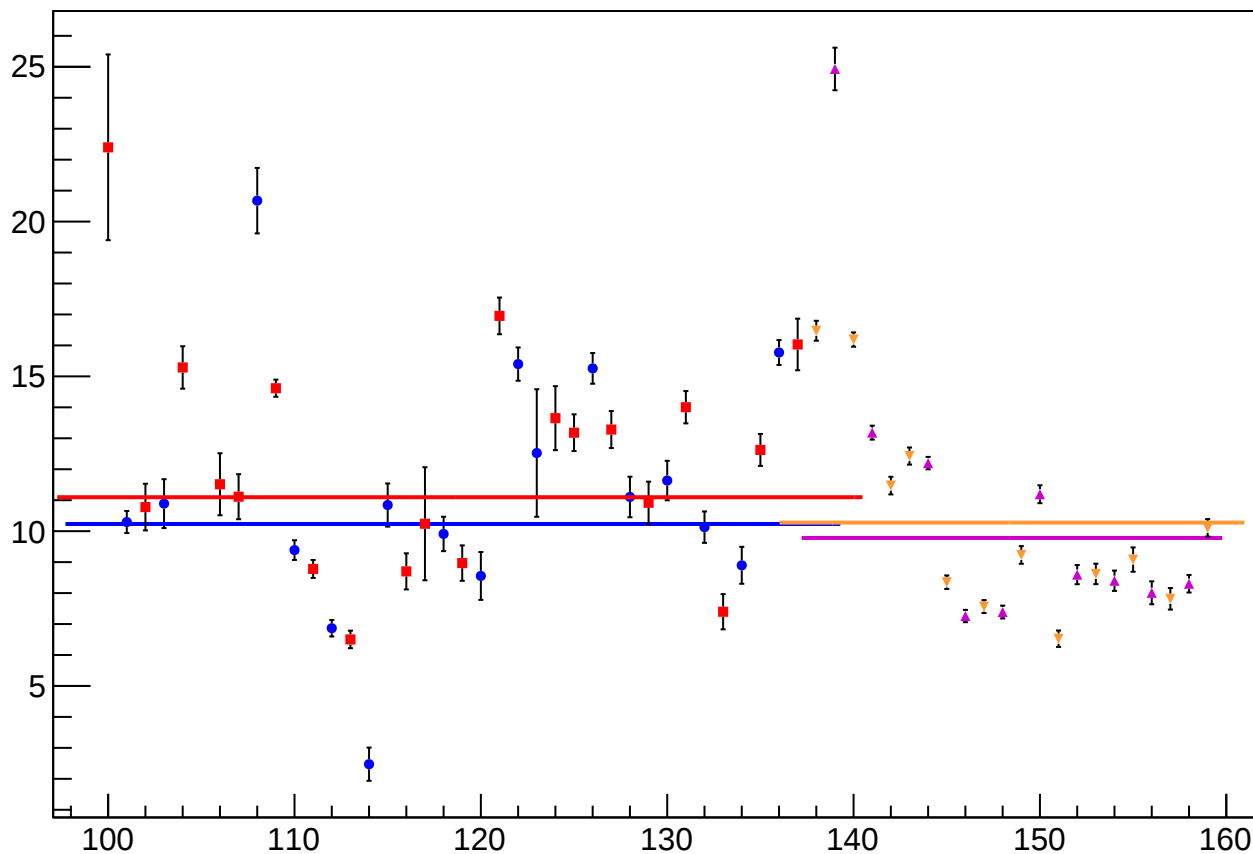
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 16.436+/-0.121 χ^2/NDF : 356.1/9

15.043+/-0.113 χ^2/NDF : 1104.4/11

16.436+/-0.121 χ^2/NDF : 356.1/9

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232 ± 0.119 χ^2/NDF : 876.7/16

Left Out: 10.277 ± 0.079 χ^2/NDF : 1644.0/11

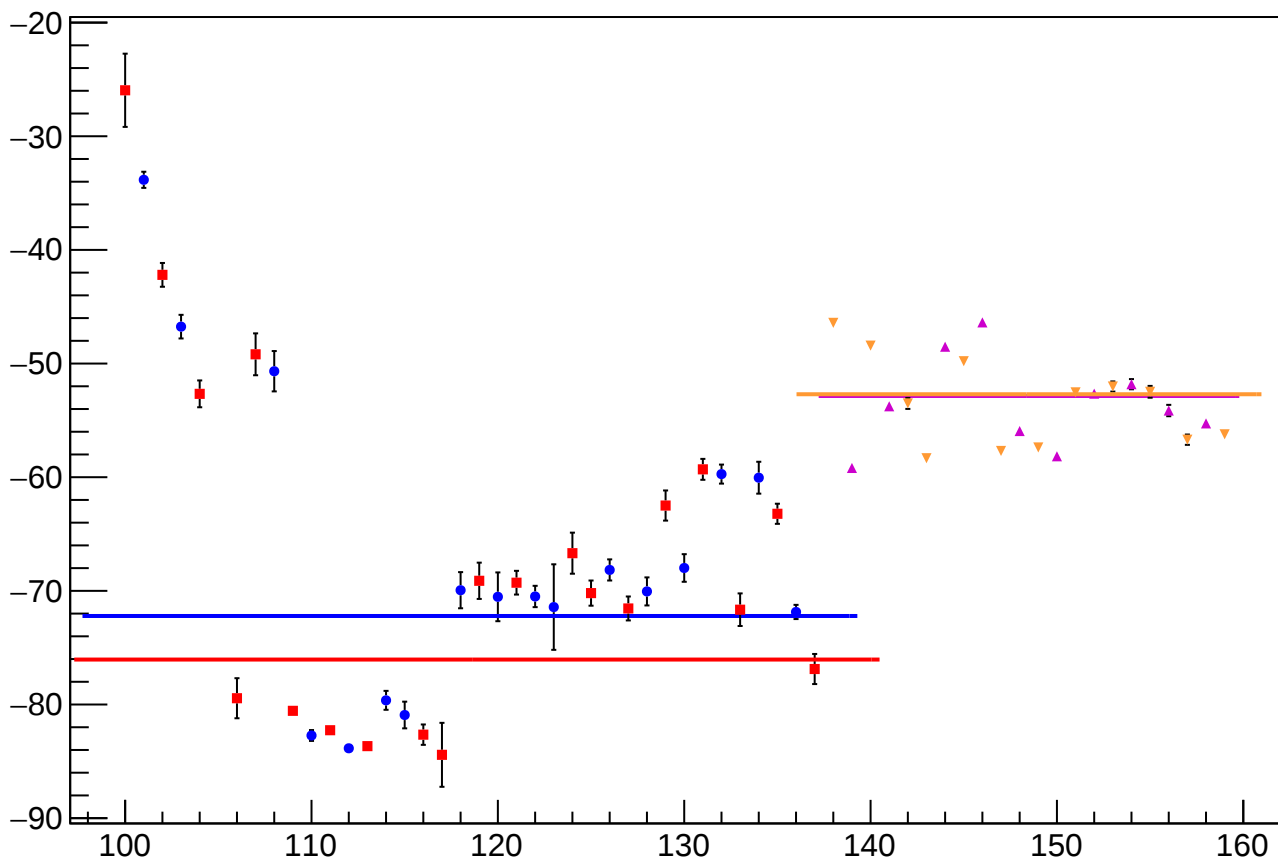
Right Out: 11.096 ± 0.116 χ^2/NDF : 818.0/19

Left In: 9.781 ± 0.083 χ^2/NDF : 1257.5/9

10.263 ± 0.066 χ^2/NDF : 2520.8/28

10.223 ± 0.067 χ^2/NDF : 2160.7/29

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211+/-0.198 χ^2/NDF : 5566.2/16

Left Out: -52.701+/-0.114 χ^2/NDF : 1206.7/11

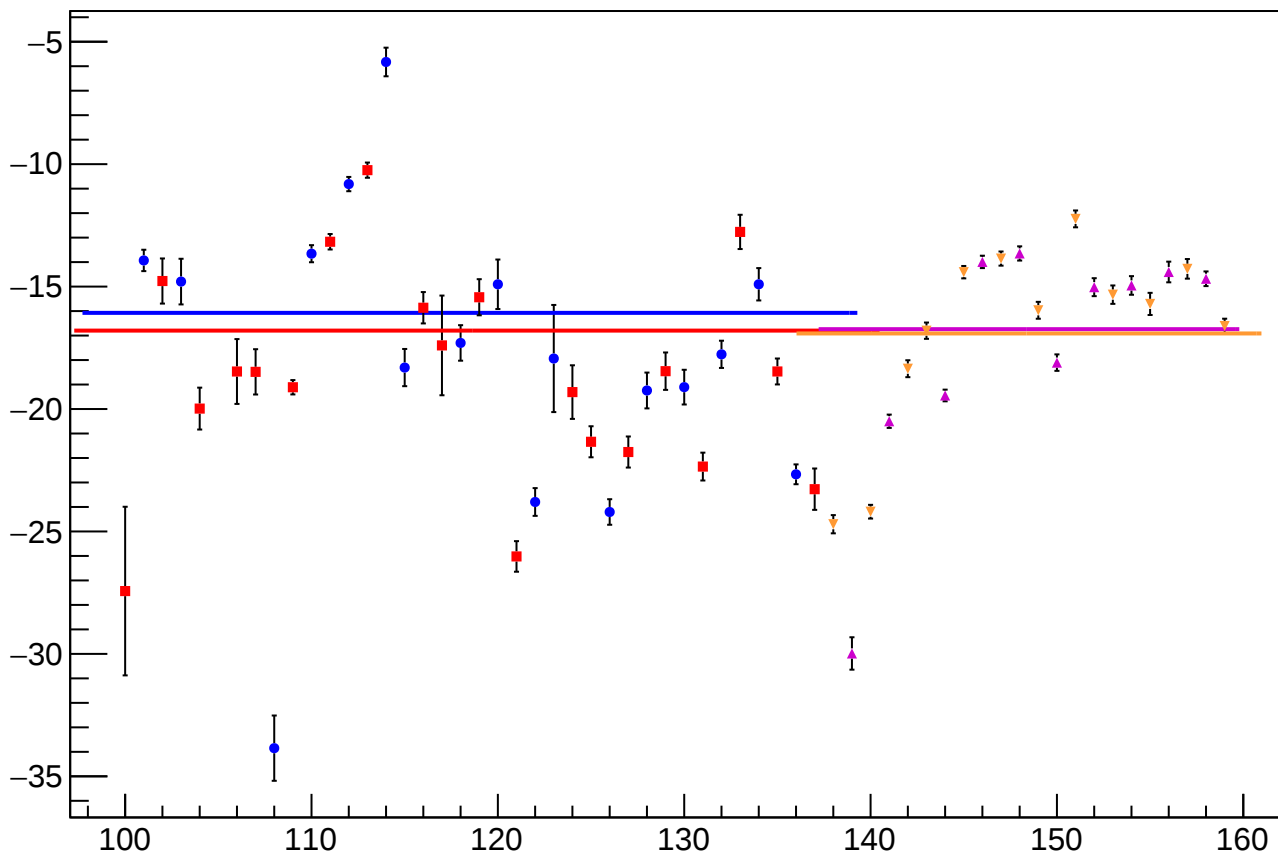
Right Out: -76.044+/-0.181 χ^2/NDF : 3472.2/19

Left In: -52.851+/-0.119 χ^2/NDF : 1148.0/9

-57.555+/-0.099 χ^2/NDF : 14067.2/28

-59.912+/-0.100 χ^2/NDF : 16089.5/29

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 $\chi^2/\text{NDF}: 1640.5/16$

Left Out: -16.914 ± 0.095 $\chi^2/\text{NDF}: 1602.4/11$

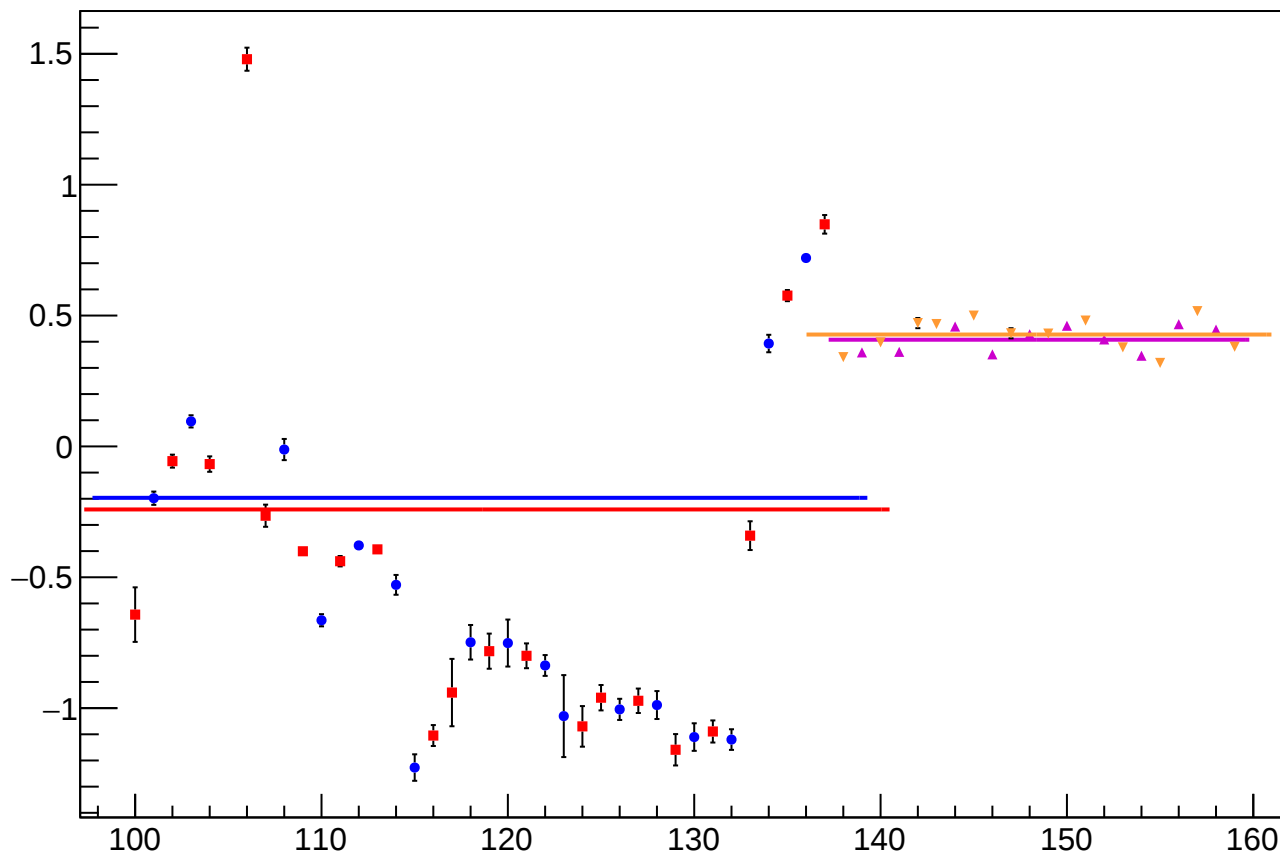
Right Out: -16.797 ± 0.128 $\chi^2/\text{NDF}: 1216.1/19$

Left In: -16.739 ± 0.100 $\chi^2/\text{NDF}: 1090.0/9$

-16.629 ± 0.077 $\chi^2/\text{NDF}: 3269.5/28$

-16.761 ± 0.079 $\chi^2/\text{NDF}: 2306.2/29$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.427 ± 0.005 χ^2/NDF : 190.7/11

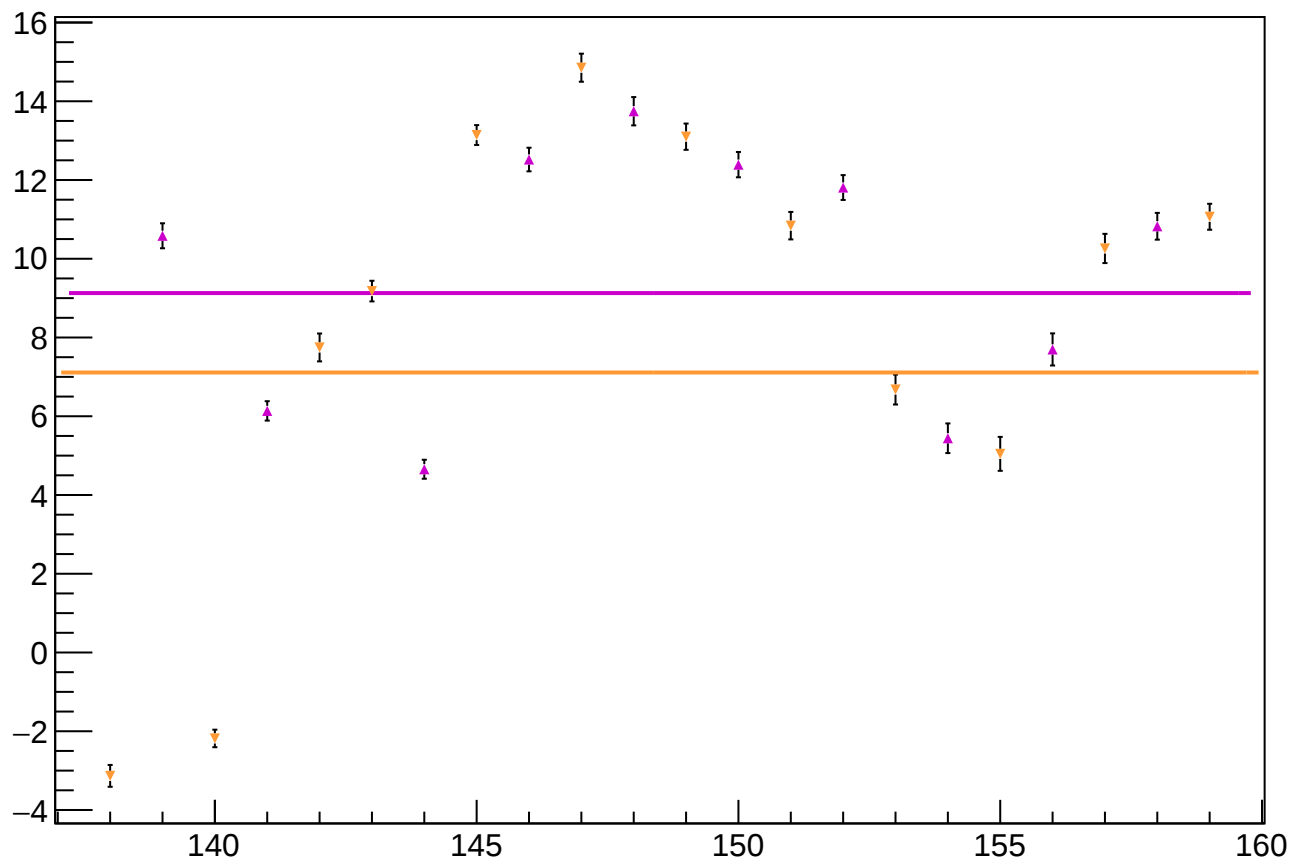
Right Out: -0.241 ± 0.007 χ^2/NDF : 6218.3/19

Left In: 0.408 ± 0.005 χ^2/NDF : 99.1/9

0.263 ± 0.004 χ^2/NDF : 11551.8/28

0.209 ± 0.004 χ^2/NDF : 12001.1/29

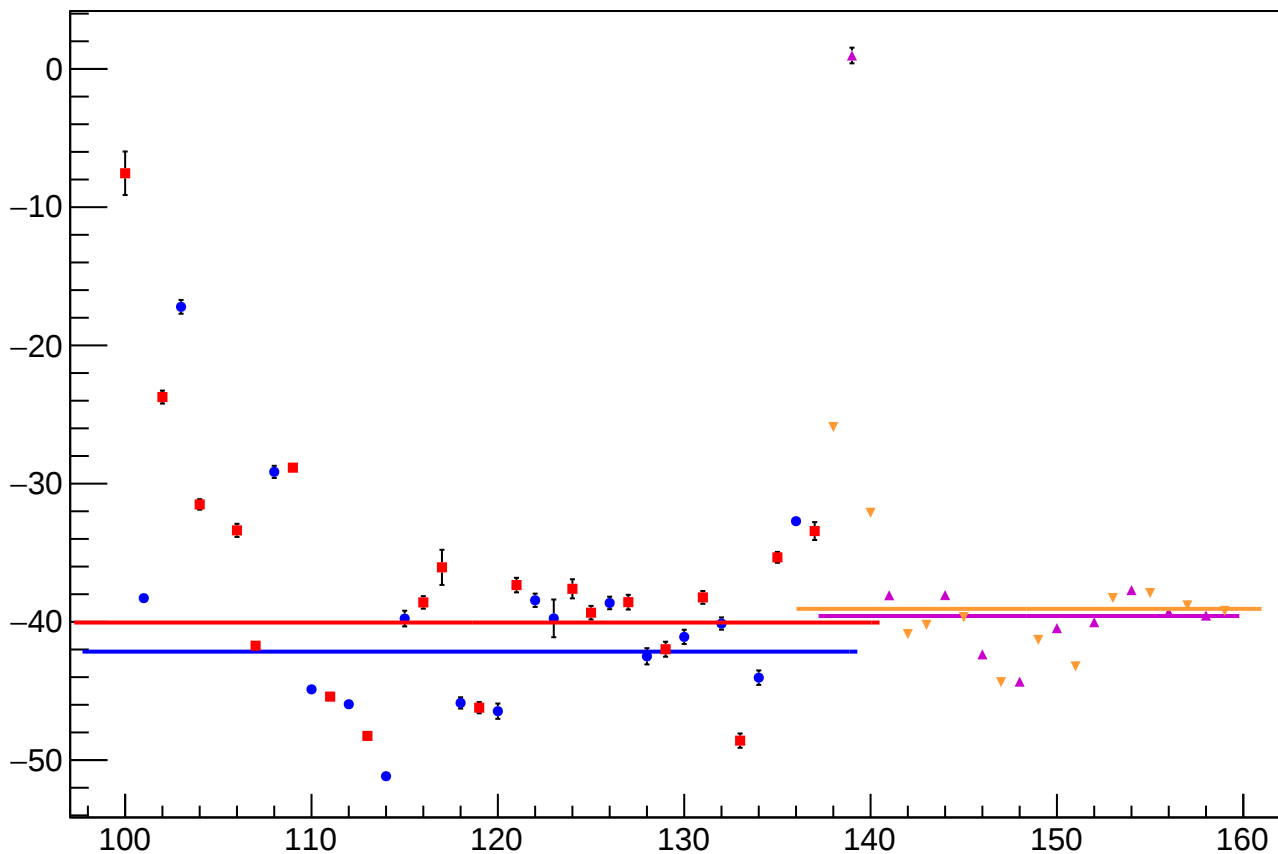
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left Out: 7.111 $\pm$ 0.089 χ^2 /NDF:4888.8/11
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left In: 9.128 $\pm$ 0.098 χ^2 /NDF:1114.5/9

7.111 $\pm$ 0.089 χ^2 /NDF: 4888.8/11
9.128 $\pm$ 0.098 χ^2 /NDF: 1114.5/9

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -39.058 ± 0.062 χ^2/NDF : 5497.9/11

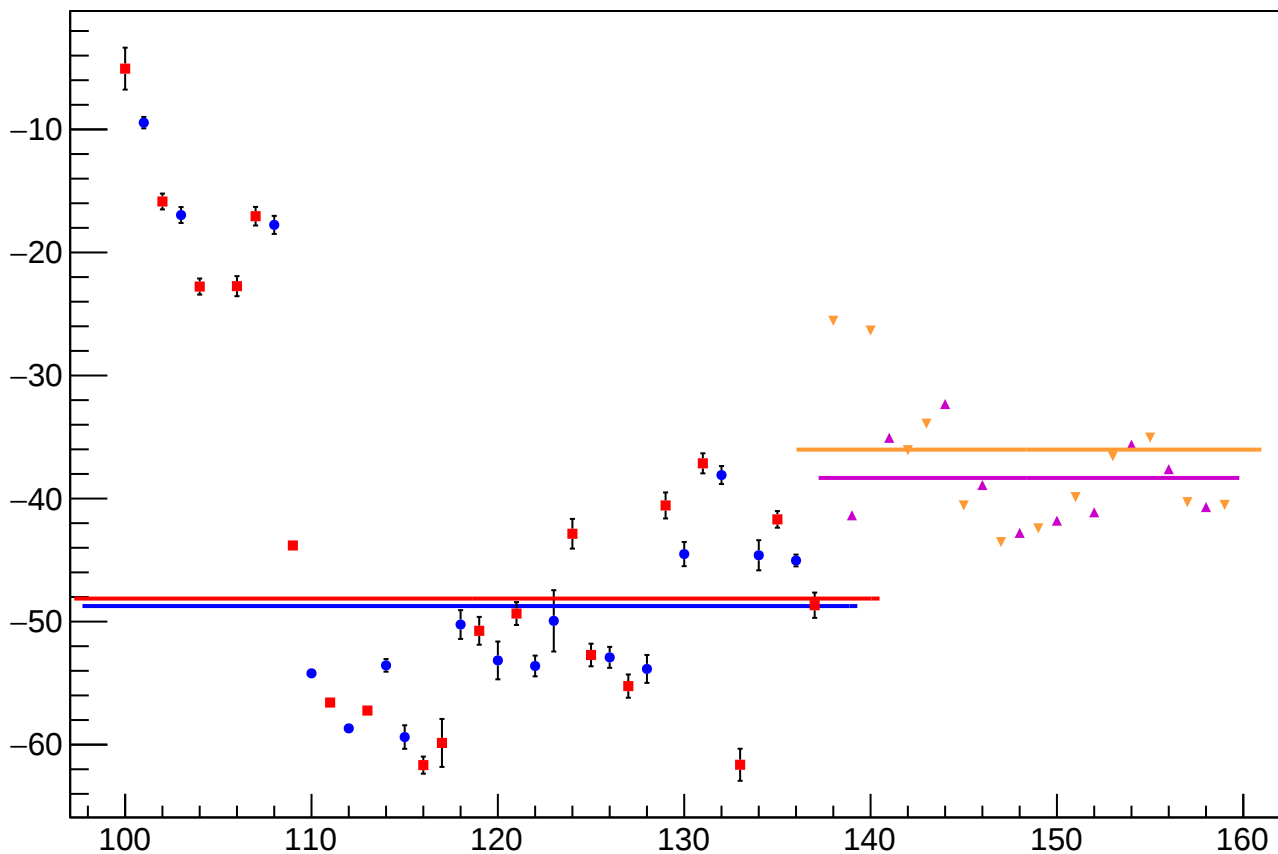
Right Out: -40.049 ± 0.073 χ^2/NDF : 11332.1/19

Left In: -39.578 ± 0.068 χ^2/NDF : 6293.8/9

-40.260 ± 0.049 χ^2/NDF : 13018.1/28

-39.798 ± 0.050 χ^2/NDF : 17648.4/29

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 ± 0.125 χ^2/NDF : 14658.1/16

Left Out: -36.021 ± 0.090 χ^2/NDF : 4665.1/11

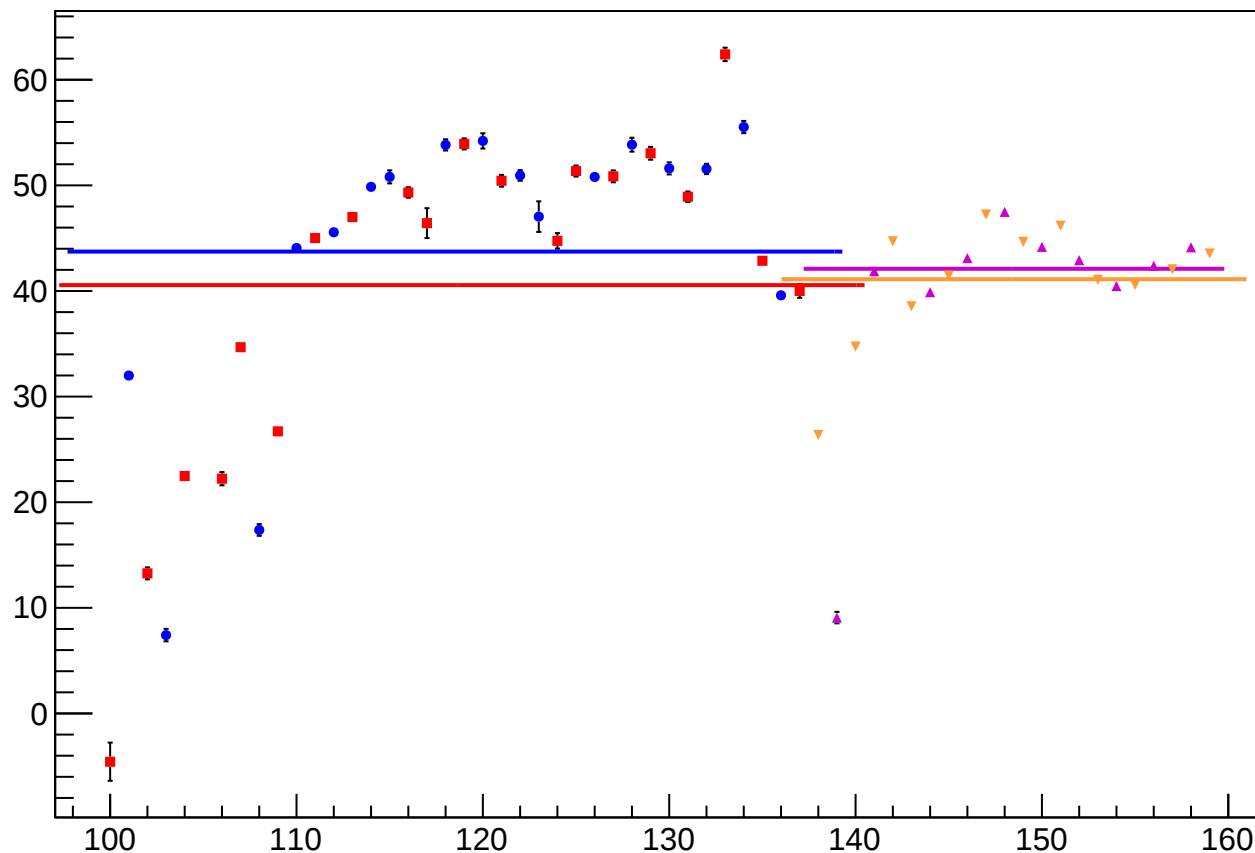
Right Out: -48.127 ± 0.107 χ^2/NDF : 11769.6/19

Left In: -38.323 ± 0.097 χ^2/NDF : 1293.7/9

-40.365 ± 0.073 χ^2/NDF : 26184.4/28

-42.741 ± 0.072 χ^2/NDF : 17669.3/29

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731 ± 0.087 χ^2/NDF : 10567.7/16

Left Out: 41.115 ± 0.075 χ^2/NDF : 4780.3/11

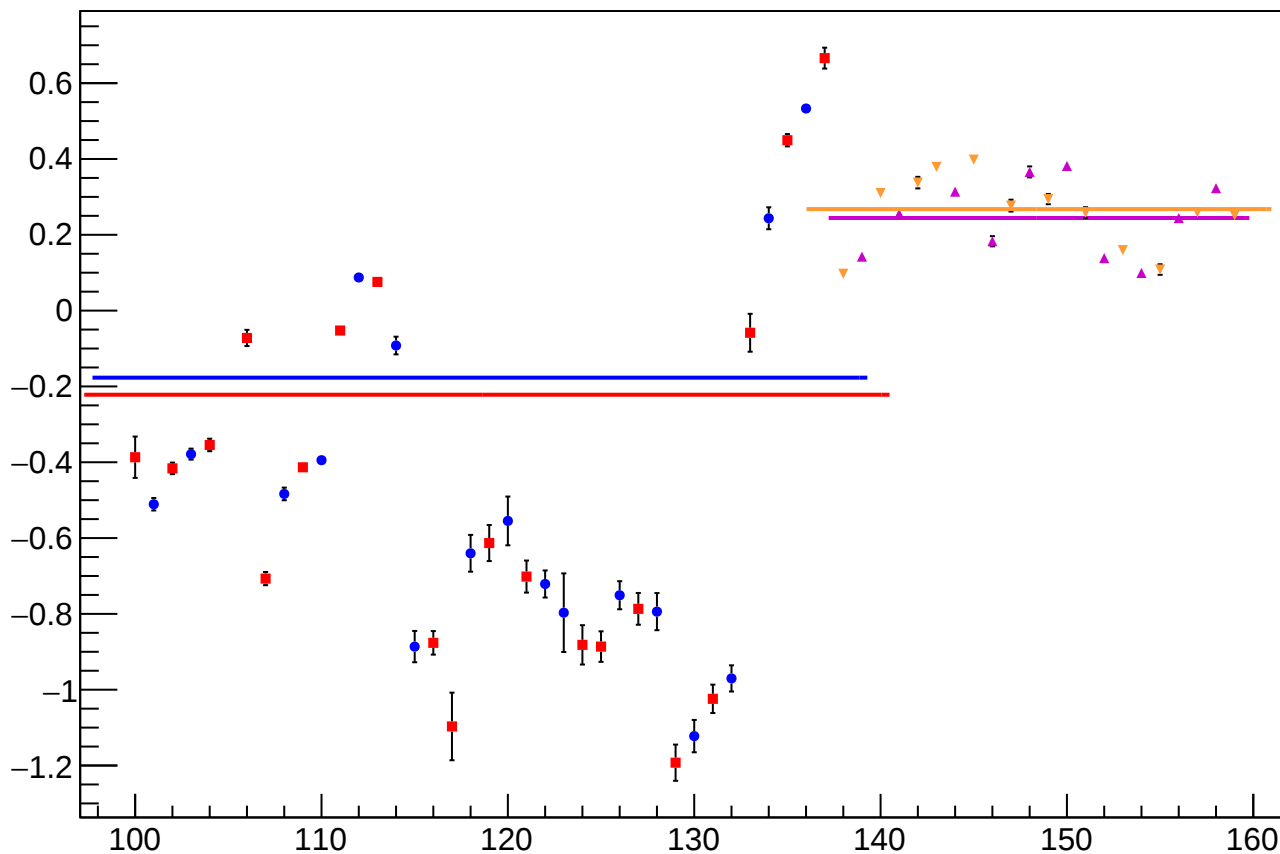
Right Out: 40.556 ± 0.080 χ^2/NDF : 17618.6/19

Left In: 42.100 ± 0.081 χ^2/NDF : 4465.9/9

42.225 ± 0.057 χ^2/NDF : 15870.4/28

41.316 ± 0.057 χ^2/NDF : 22267.5/29

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 $\chi^2/\text{NDF}: 7364.7/16$

Left Out: 0.268 ± 0.004 $\chi^2/\text{NDF}: 706.7/11$

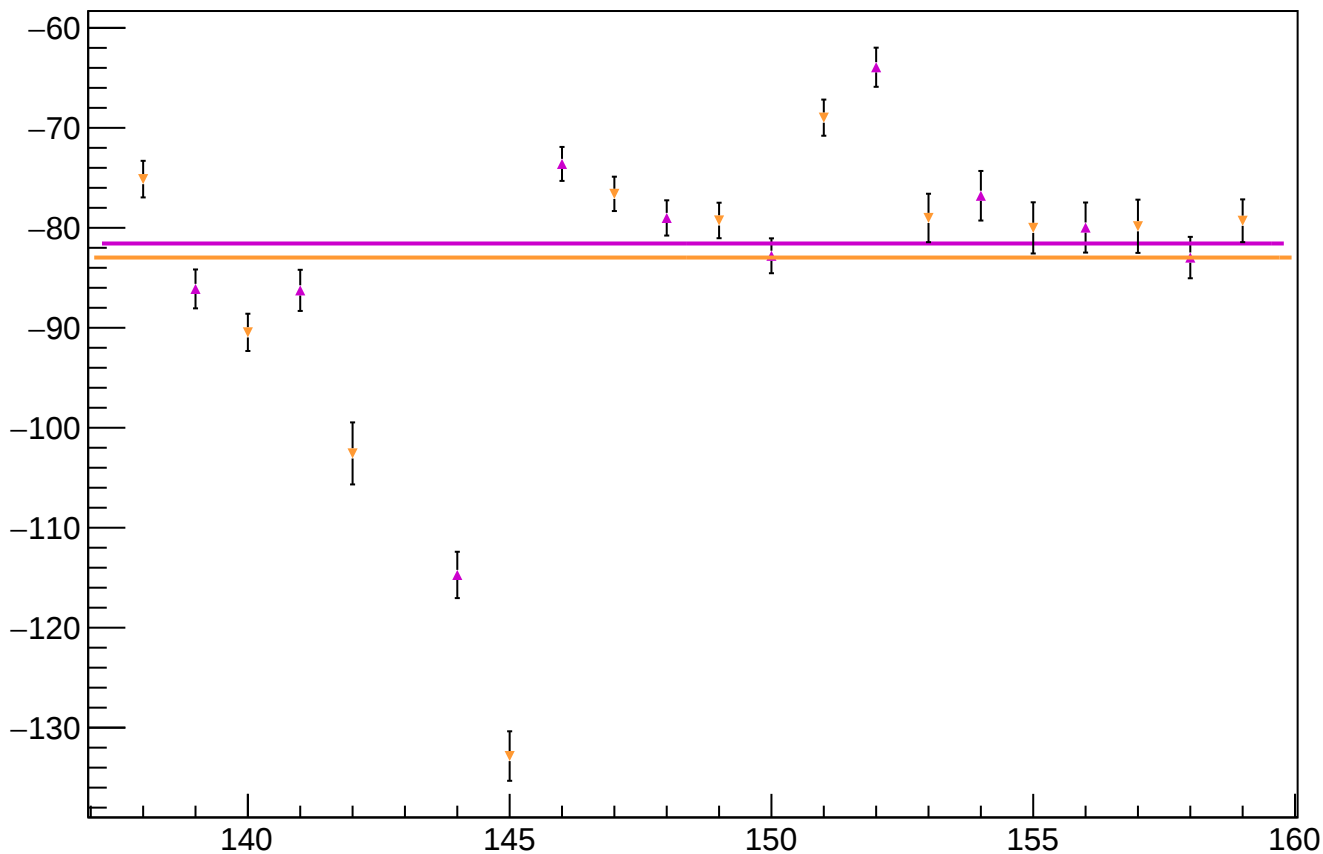
Right Out: -0.222 ± 0.004 $\chi^2/\text{NDF}: 7527.0/19$

Left In: 0.244 ± 0.004 $\chi^2/\text{NDF}: 583.5/9$

0.112 ± 0.003 $\chi^2/\text{NDF}: 13559.1/28$

0.038 ± 0.003 $\chi^2/\text{NDF}: 14658.4/29$

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -82.973+/-0.633 χ^2/NDF : 566.4/10

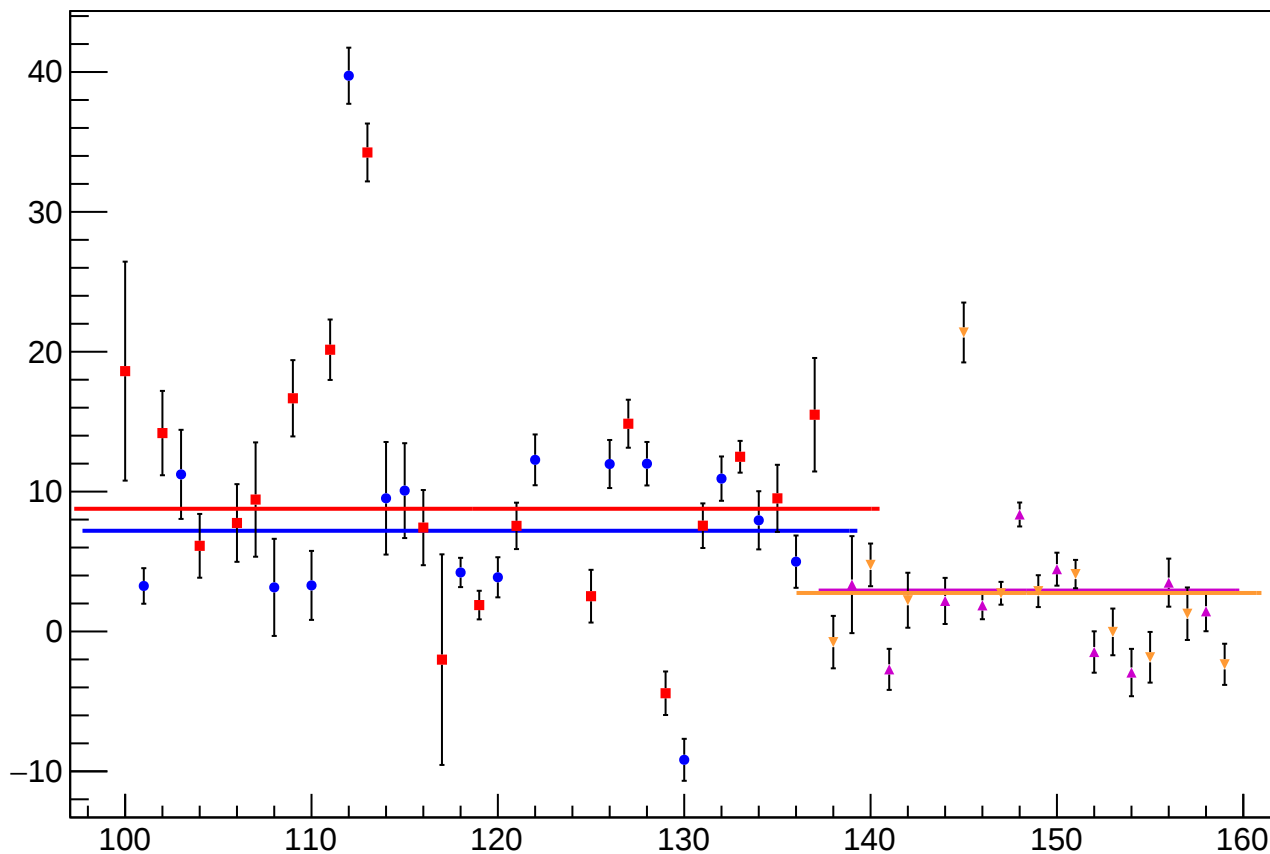
-82.973+/-0.633 χ^2/NDF : 566.4/10

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

Left In: -81.568+/-0.633 χ^2/NDF : 325.5/9

-81.568+/-0.633 χ^2/NDF : 325.5/9

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 2.753 ± 0.413 χ^2/NDF : 104.7/10

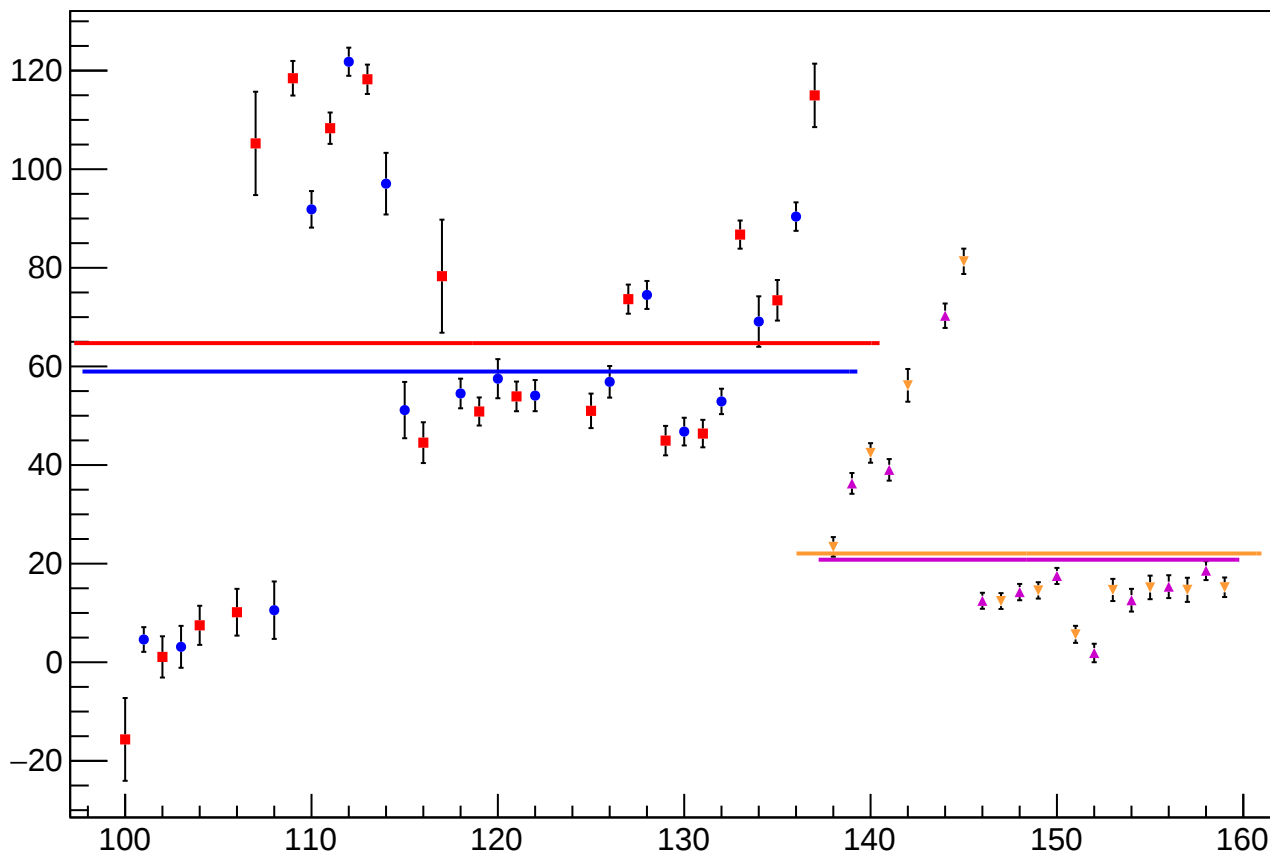
Right Out: 8.772 ± 0.447 χ^2/NDF : 351.7/18

Left In: 2.925 ± 0.421 χ^2/NDF : 80.1/9

4.841 ± 0.301 χ^2/NDF : 602.8/26

5.670 ± 0.306 χ^2/NDF : 522.6/28

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 22.061 $\pm$ 0.617 χ^2 /NDF:930.3/10

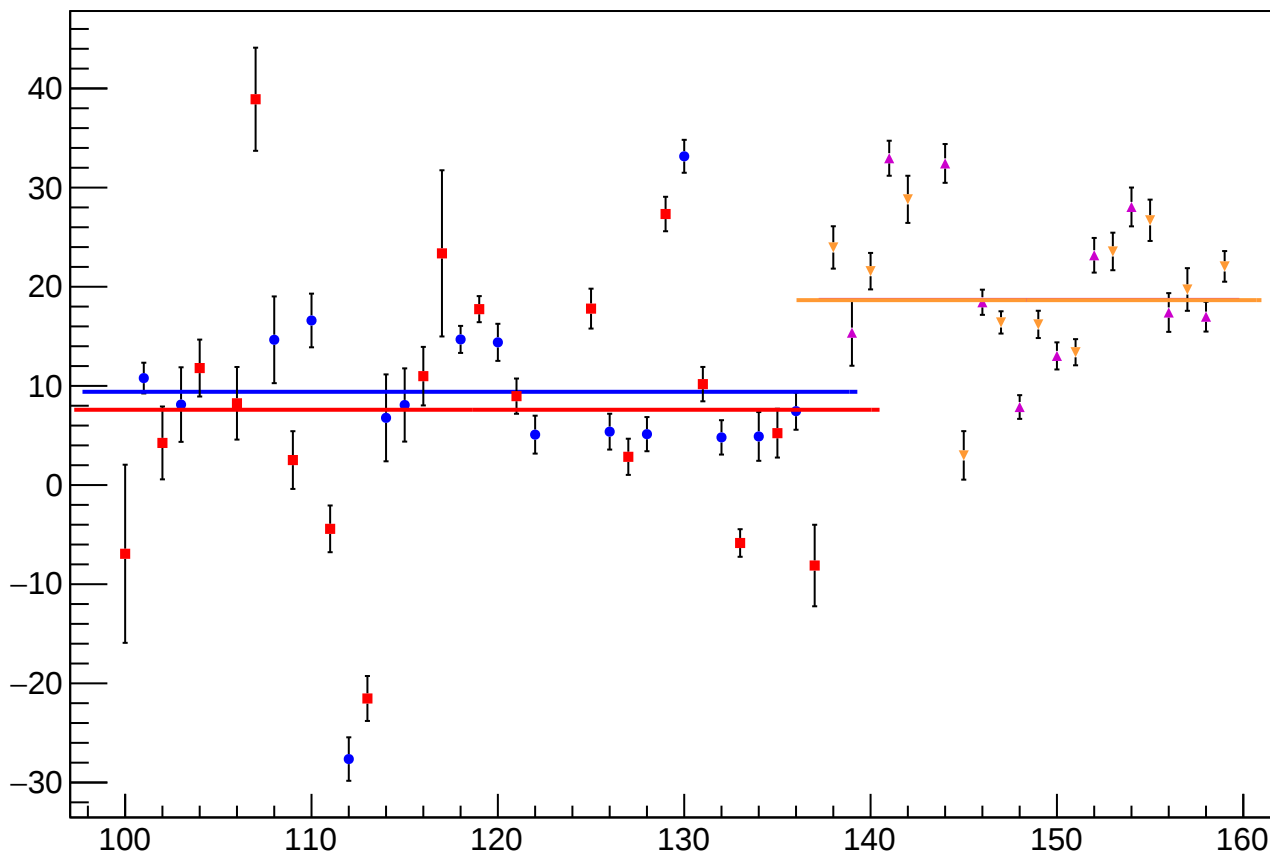
Right Out: 64.728 $\pm$ 0.838 χ^2 /NDF: 1723.2/18

Left In: 20.797 $\pm$ 0.614 χ^2 /NDF:689.5/9

35.043 $\pm$ 0.496 χ^2 /NDF: 3686.9/26

36.162 $\pm$ 0.495 χ^2 /NDF: 4200.6/28

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 18.649 ± 0.507 χ^2/NDF : 117.7/10

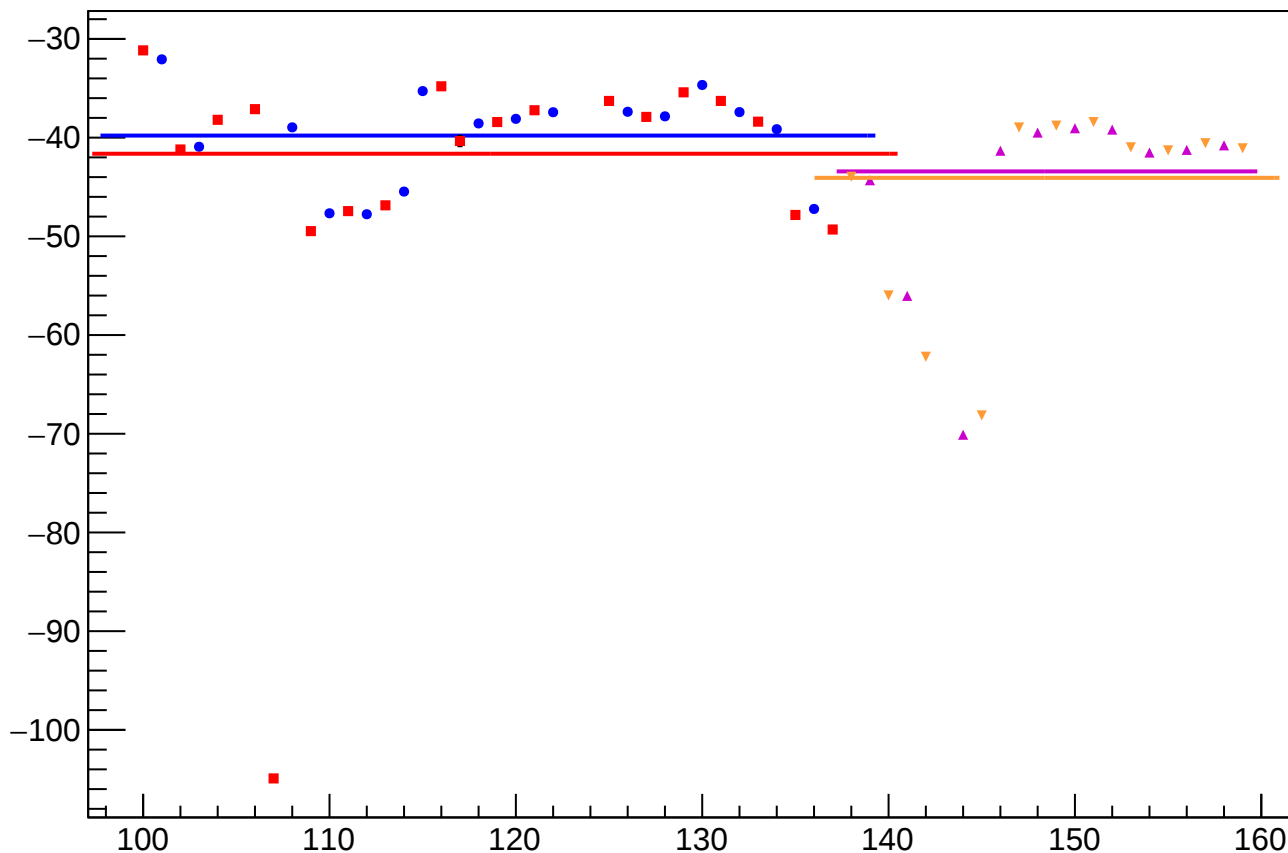
Right Out: 7.593 ± 0.514 χ^2/NDF : 573.4/18

Left In: 18.673 ± 0.512 χ^2/NDF : 245.9/9

14.028 ± 0.358 χ^2/NDF : 833.7/26

13.157 ± 0.363 χ^2/NDF : 1052.7/28

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 $\chi^2/\text{NDF}: 26138.6/15$

Left Out: -44.072 ± 0.025 $\chi^2/\text{NDF}: 115207.5/10$

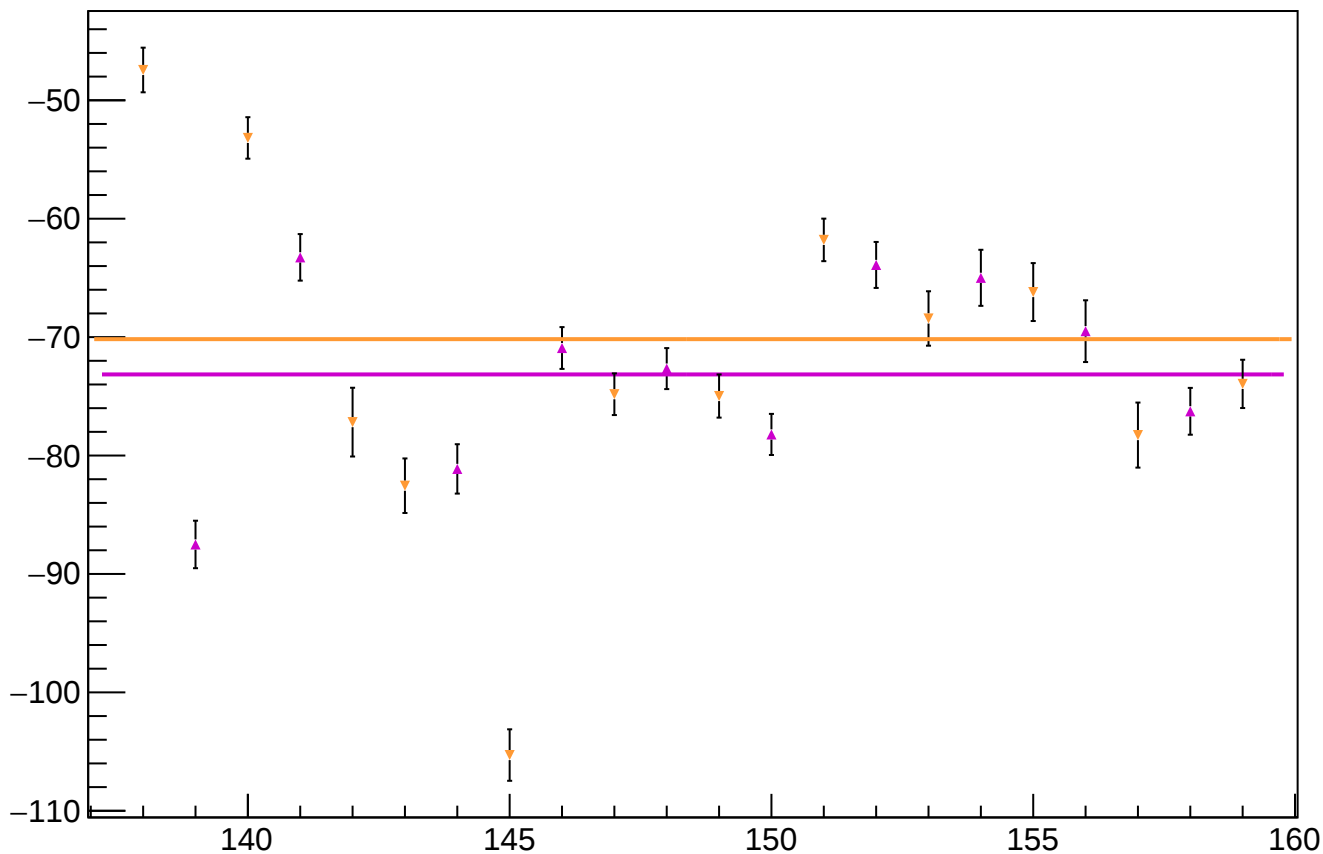
Right Out: -41.631 ± 0.031 $\chi^2/\text{NDF}: 94399.1/18$

Left In: -43.421 ± 0.024 $\chi^2/\text{NDF}: 94490.1/9$

-42.426 ± 0.019 $\chi^2/\text{NDF}: 152916.9/26$

-42.744 ± 0.019 $\chi^2/\text{NDF}: 190942.2/28$

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -70.171+/-0.599 χ^2/NDF : 586.3/11

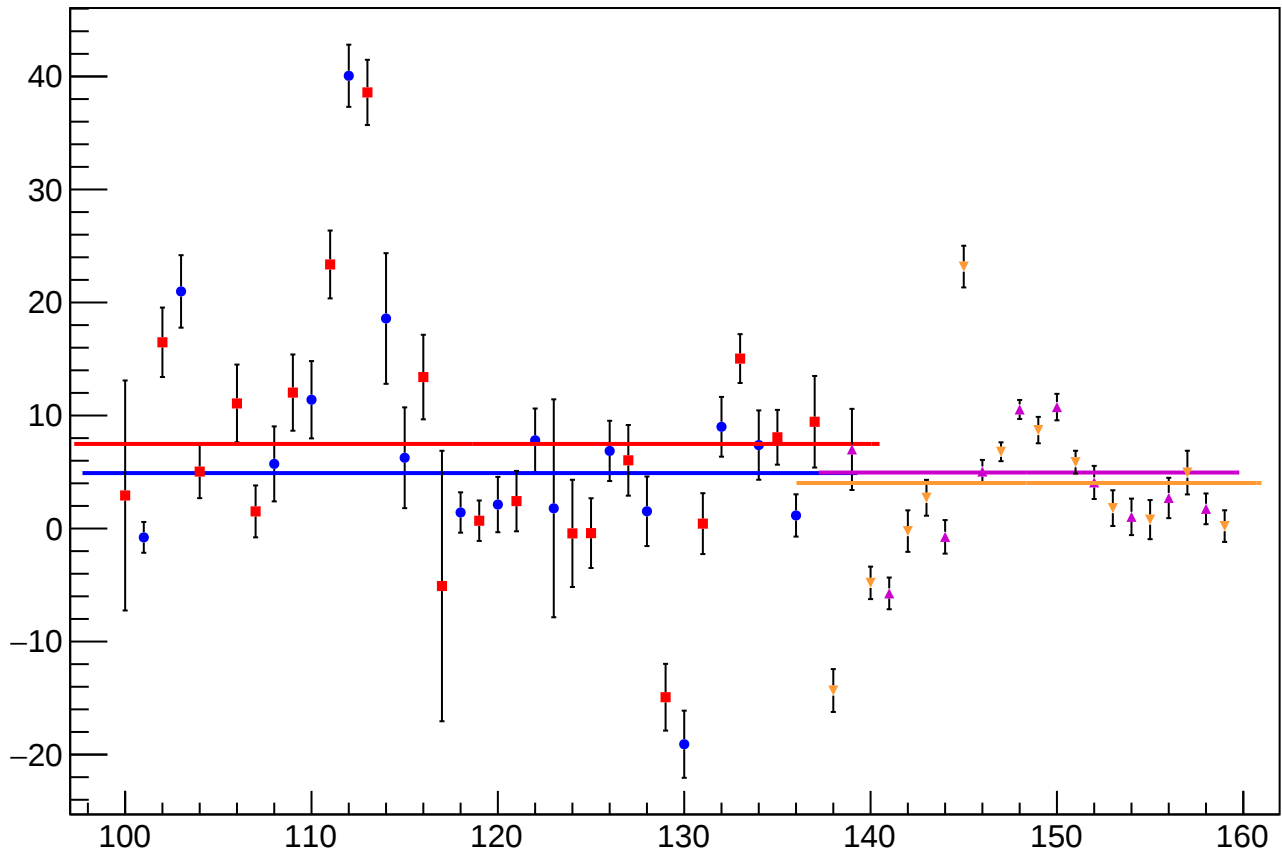
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -73.151+/-0.624 χ^2/NDF : 140.4/9

-70.171+/-0.599 χ^2/NDF : 586.3/11

-73.151+/-0.624 χ^2/NDF : 140.4/9

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 $\pm$ 0.628 χ^2 /NDF: 295.4/16

Left Out: 4.030 $\pm$ 0.395 χ^2 /NDF:288.9/11

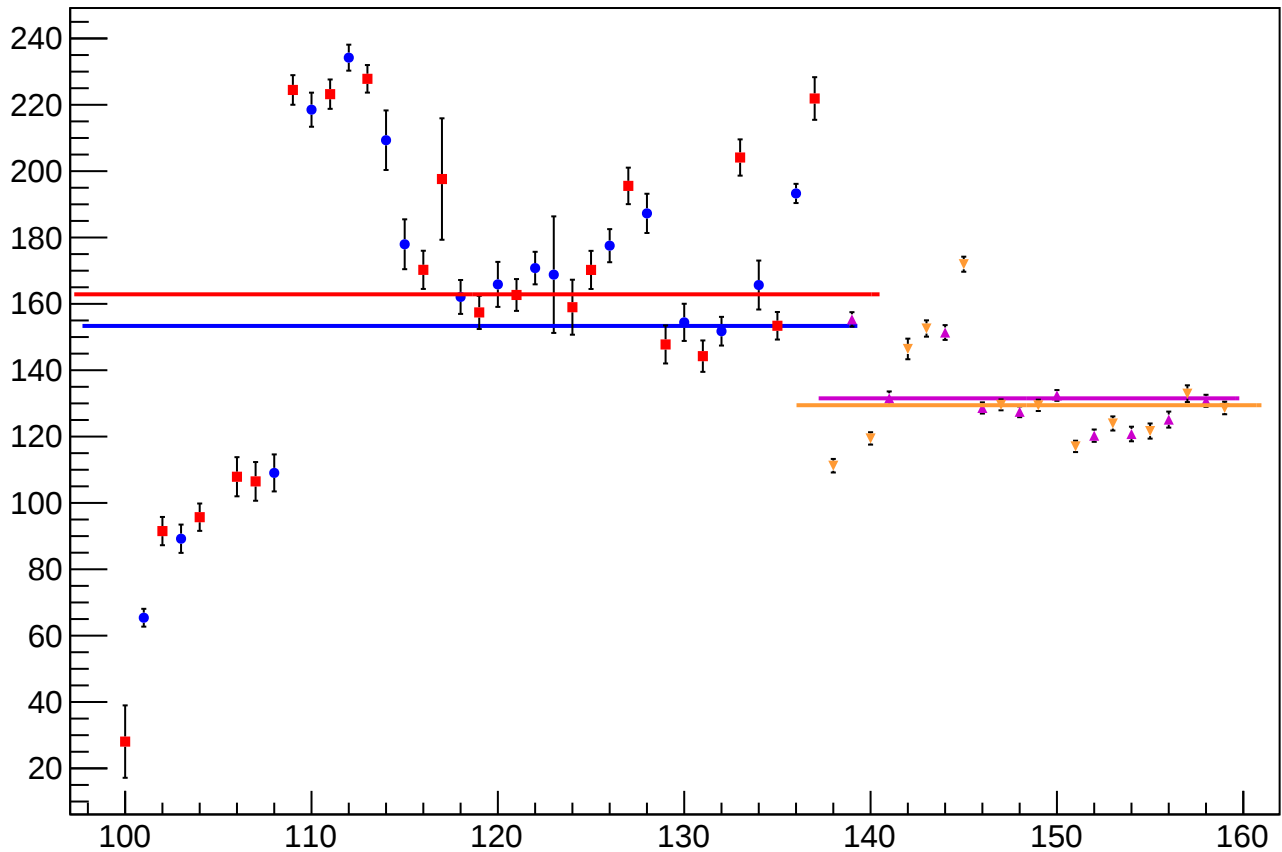
Right Out: 7.486 $\pm$ 0.650 χ^2 /NDF: 271.7/19

Left In: 4.956 $\pm$ 0.414 χ^2 /NDF:155.1/9

4.278 $\pm$ 0.334 χ^2 /NDF: 585.7/28

5.686 $\pm$ 0.349 χ^2 /NDF: 437.6/29

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 ± 1.150 χ^2/NDF : 2268.3/16

Left Out: 129.452 ± 0.588 χ^2/NDF : 650.0/11

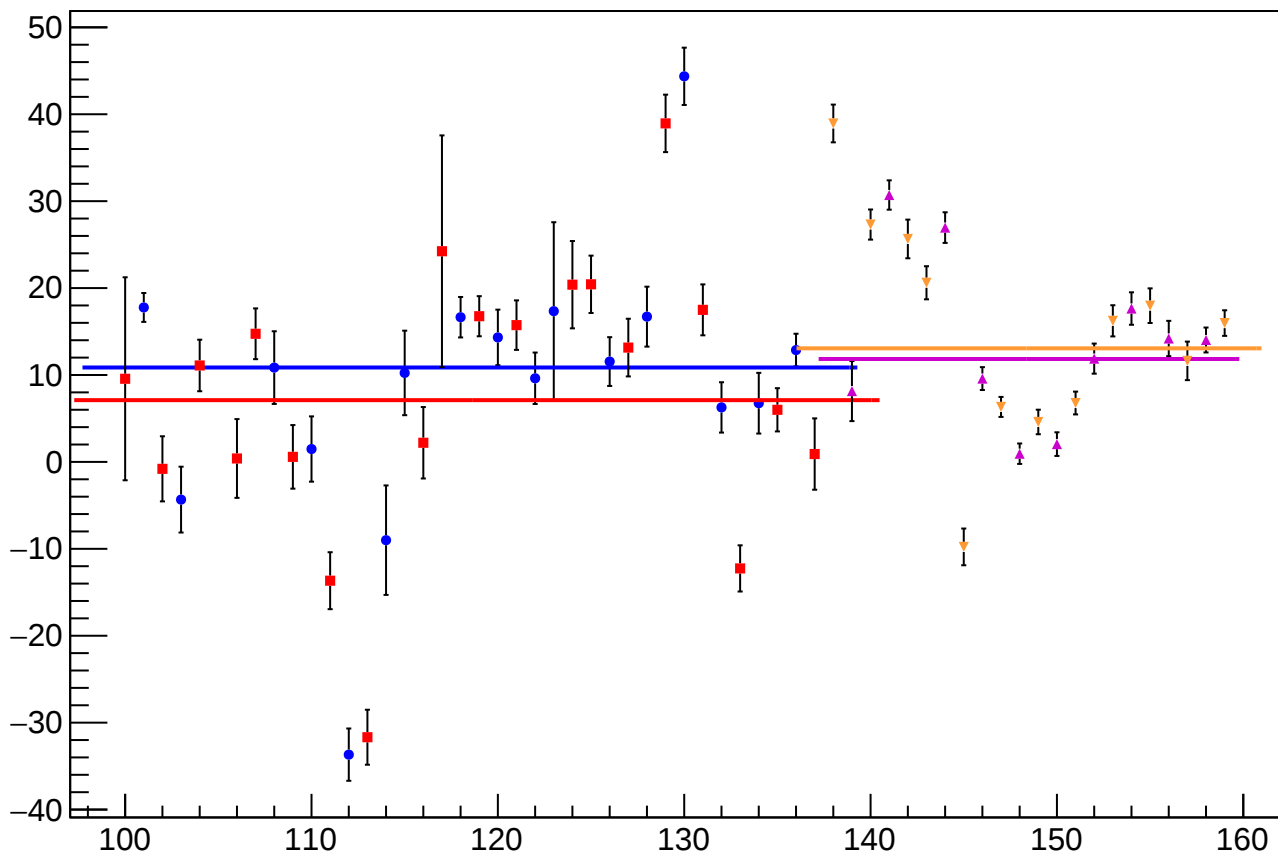
Right Out: 162.878 ± 1.174 χ^2/NDF : 1712.4/19

Left In: 131.526 ± 0.606 χ^2/NDF : 276.2/9

134.403 ± 0.524 χ^2/NDF : 3260.5/28

138.124 ± 0.539 χ^2/NDF : 2551.3/29

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2/NDF : 387.9/16

Left Out: 13.068 $\pm$ 0.482 χ^2/NDF : 481.0/11

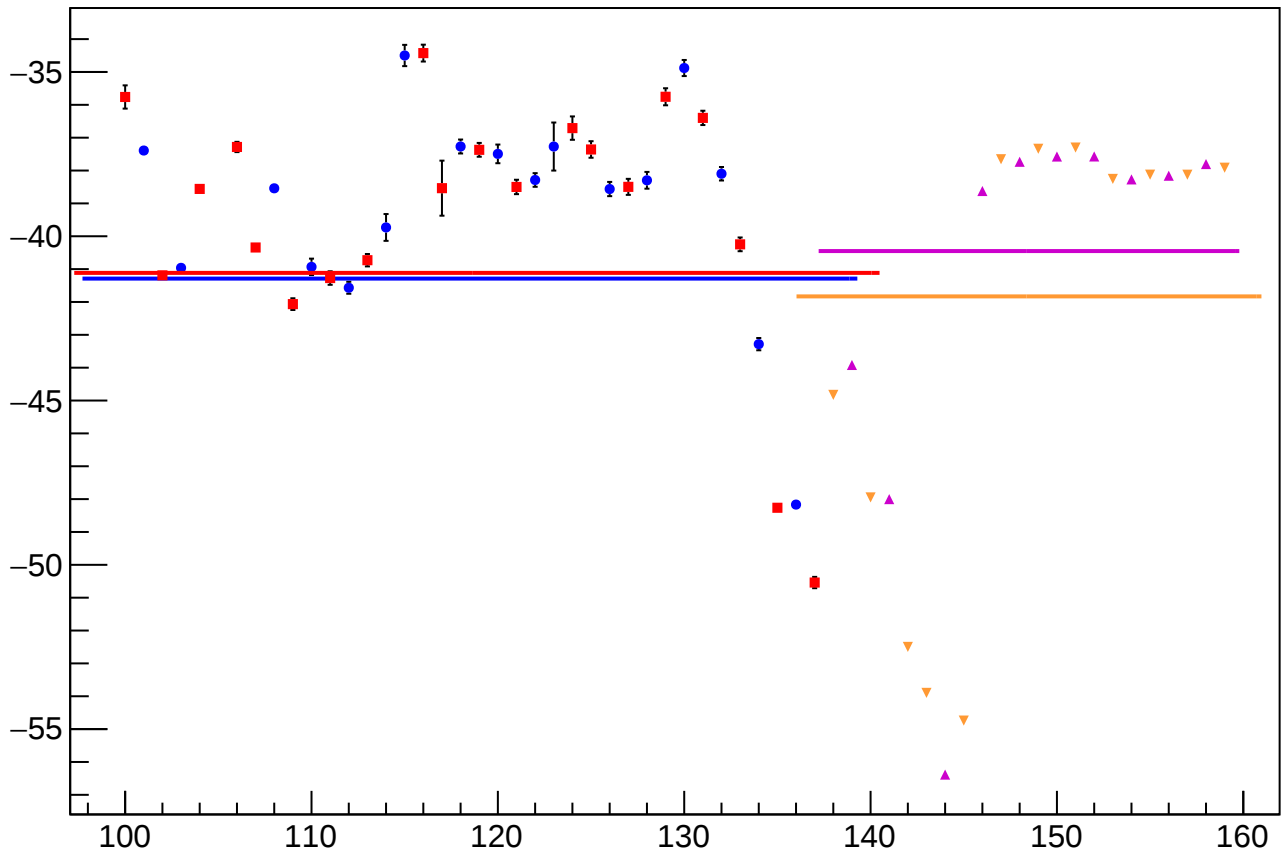
Right Out: 7.106 $\pm$ 0.746 χ^2/NDF : 426.4/19

Left In: 11.842 $\pm$ 0.503 χ^2/NDF : 354.0/9

12.386 $\pm$ 0.400 χ^2/NDF : 875.4/28

10.362 $\pm$ 0.417 χ^2/NDF : 808.1/29

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -41.830 ± 0.023 $\chi^2/\text{NDF}: 69929.4/11$

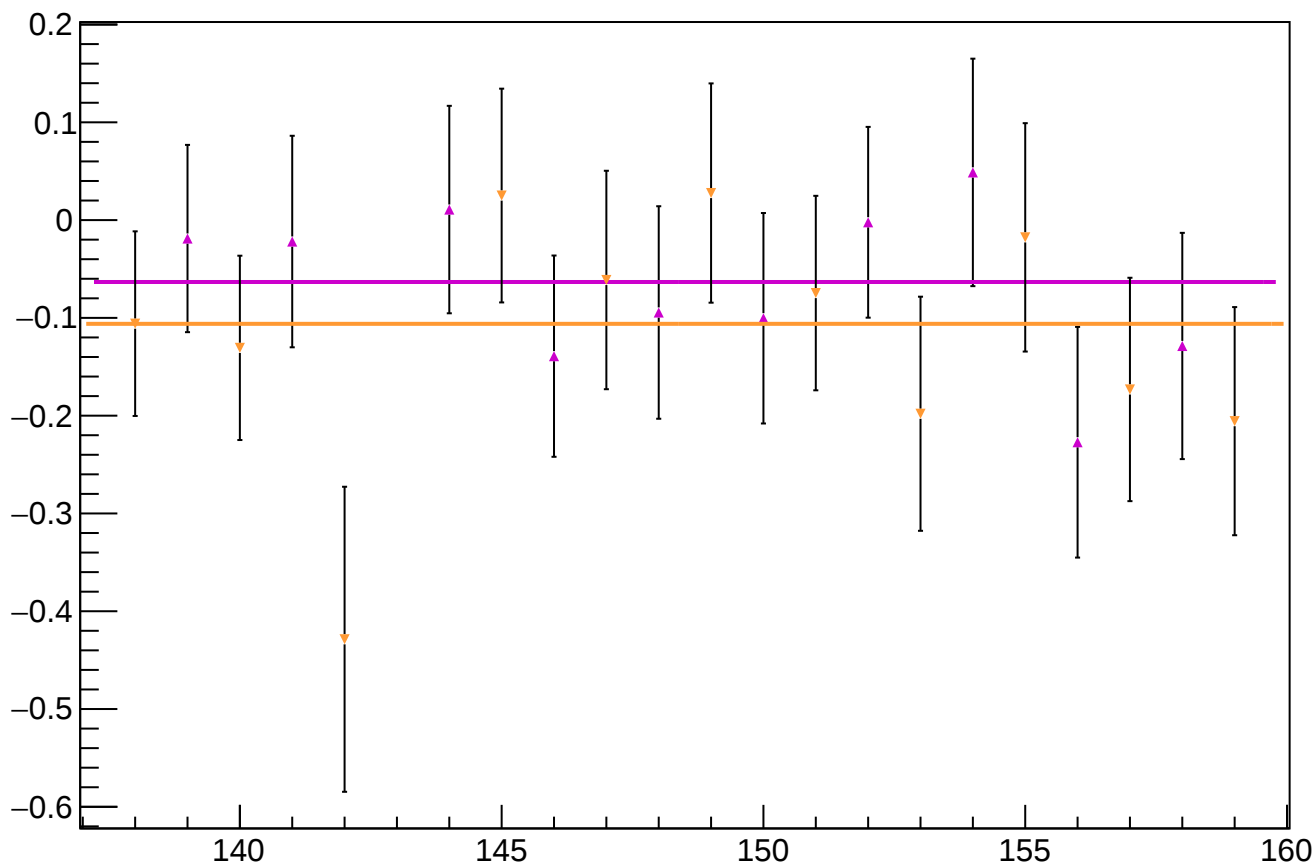
Right Out: -41.115 ± 0.039 $\chi^2/\text{NDF}: 12120.1/19$

Left In: -40.451 ± 0.024 $\chi^2/\text{NDF}: 45271.0/9$

-41.684 ± 0.020 $\chi^2/\text{NDF}: 82582.2/28$

-40.636 ± 0.020 $\chi^2/\text{NDF}: 57604.4/29$

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.106+/-0.033 χ^2/NDF : 9.7/10

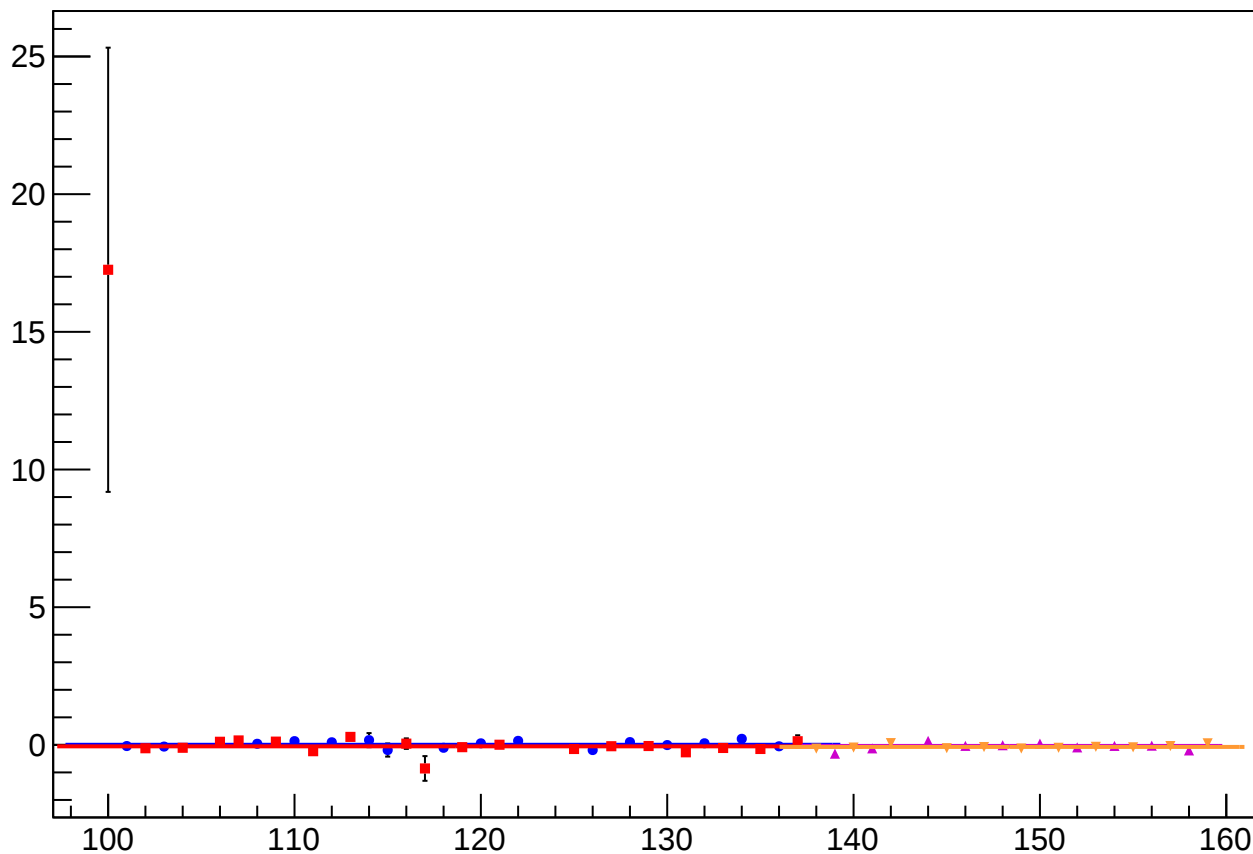
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.063+/-0.034 χ^2/NDF : 5.2/9

-0.106+/-0.033 χ^2/NDF : 9.7/10

-0.063+/-0.034 χ^2/NDF : 5.2/9

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003+/-0.029 χ^2/NDF : 12.4/15

Left Out: -0.074+/-0.023 χ^2/NDF : 6.4/10

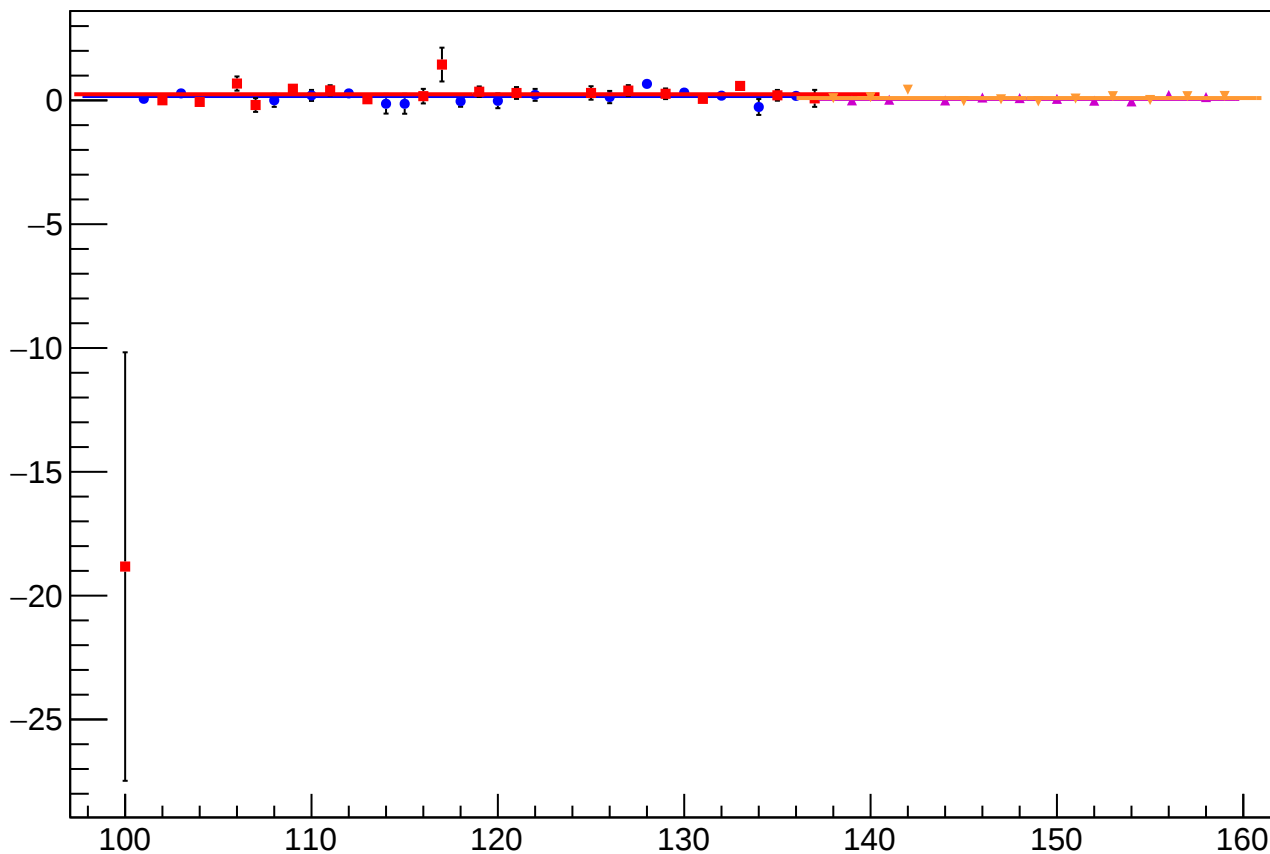
Right Out: -0.053+/-0.029 χ^2/NDF : 28.8/18

Left In: -0.038+/-0.023 χ^2/NDF : 16.0/9

-0.044+/-0.018 χ^2/NDF : 23.3/26

-0.044+/-0.018 χ^2/NDF : 45.0/28

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176+/-0.053 χ^2/NDF : 13.0/15

Left Out: 0.093+/-0.033 χ^2/NDF : 9.4/10

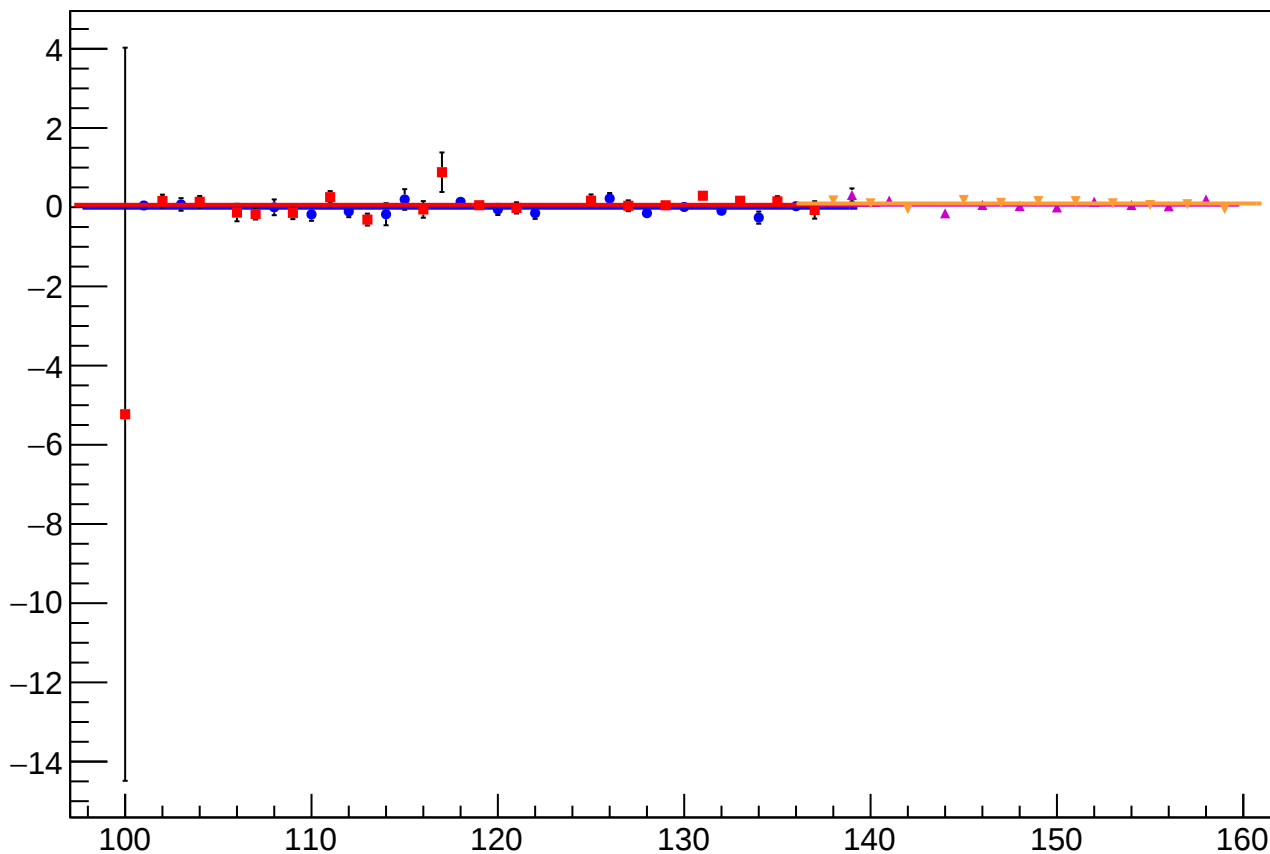
Right Out: 0.247+/-0.054 χ^2/NDF : 24.7/18

Left In: 0.059+/-0.033 χ^2/NDF : 5.2/9

0.116+/-0.028 χ^2/NDF : 24.2/26

0.111+/-0.028 χ^2/NDF : 38.7/28

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.094 ± 0.027 χ^2/NDF : 6.6/10

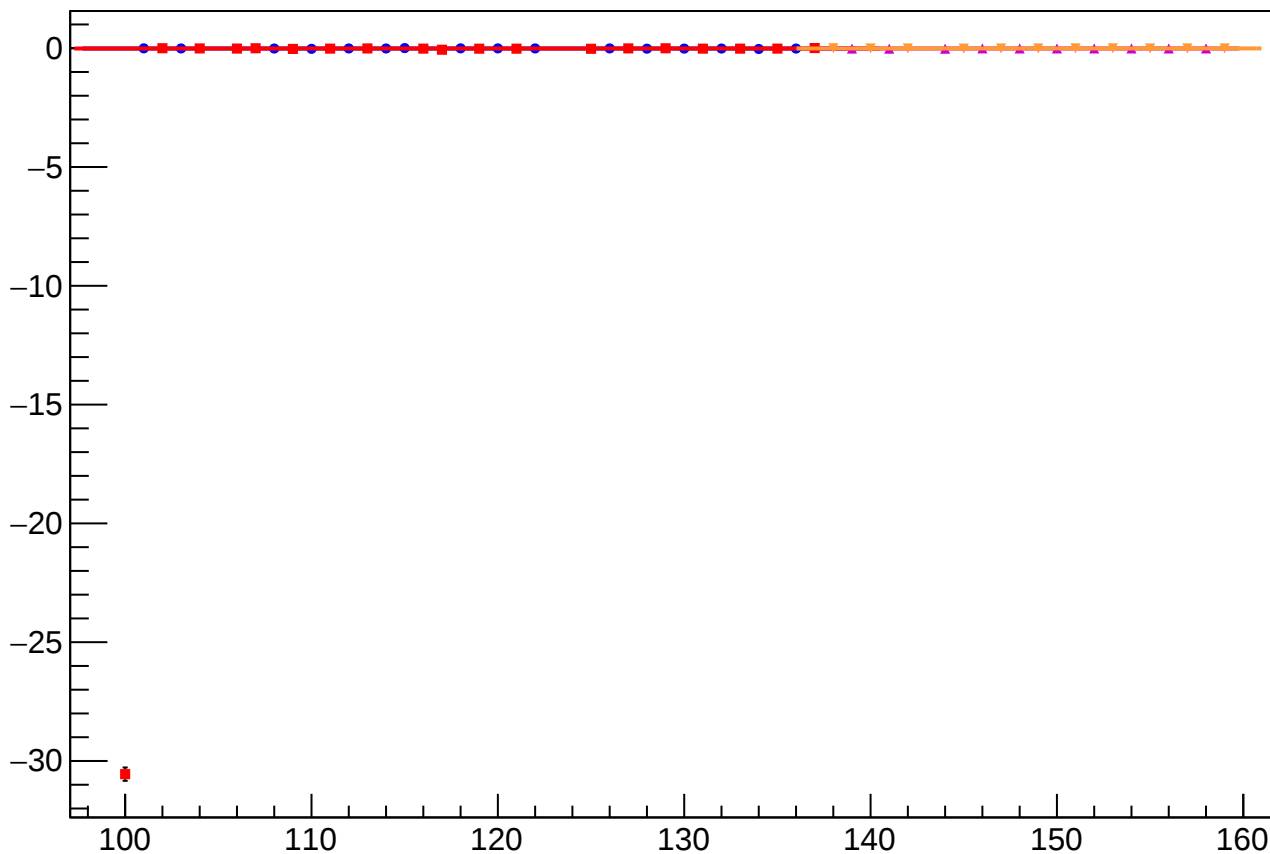
Right Out: 0.061 ± 0.034 χ^2/NDF : 23.1/18

Left In: 0.063 ± 0.028 χ^2/NDF : 13.7/9

0.050 ± 0.021 χ^2/NDF : 26.5/26

0.062 ± 0.022 χ^2/NDF : 36.8/28

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

-0.010 $\pm$ 0.001 χ^2 /NDF: 22.9/26

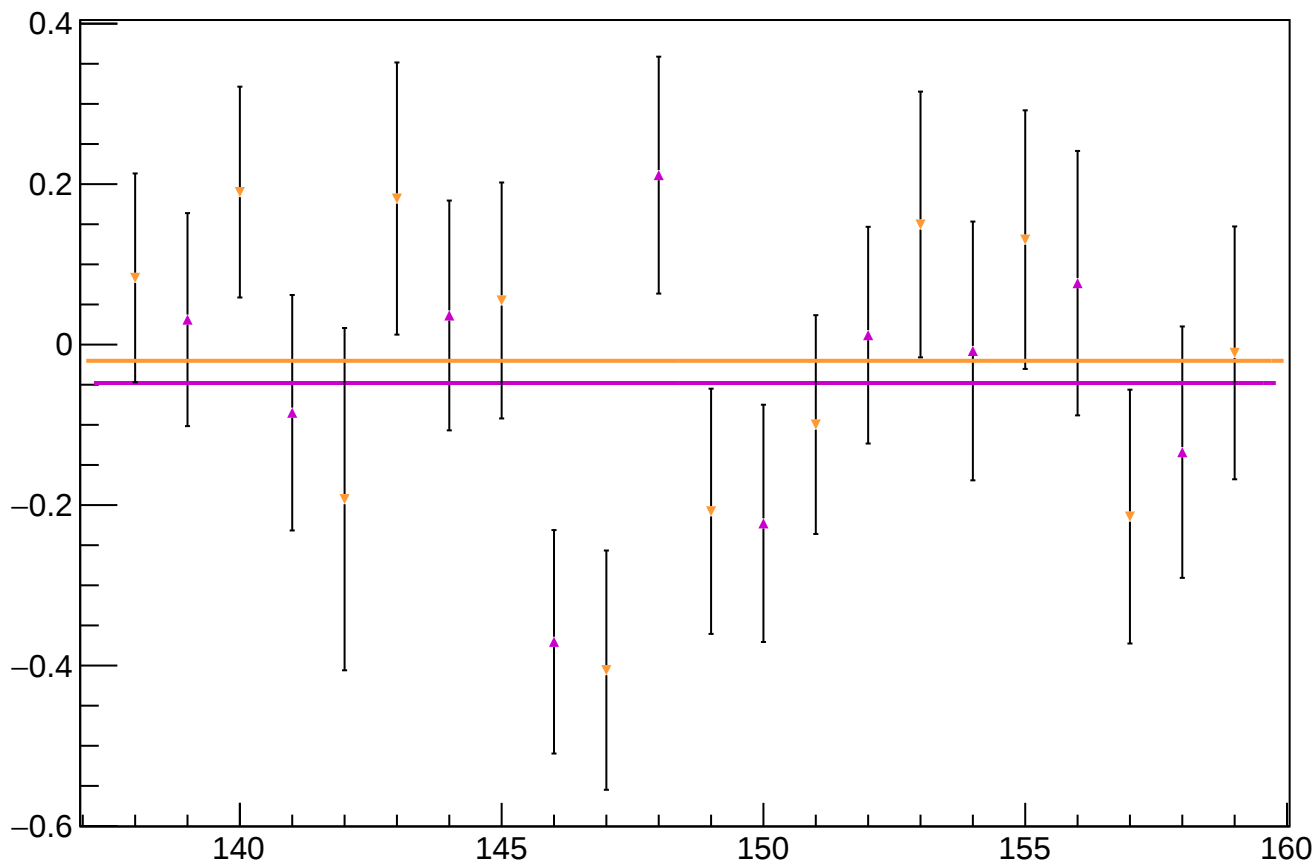
Left Out: -0.009 $\pm$ 0.001 χ^2 /NDF: 8.2/10

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11894.0/18

-0.011 $\pm$ 0.001 χ^2 /NDF: 11903.3/28

Left In: -0.011 $\pm$ 0.001 χ^2 /NDF: 8.9/9

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: -0.020+/-0.044 χ^2/NDF : 17.5/11

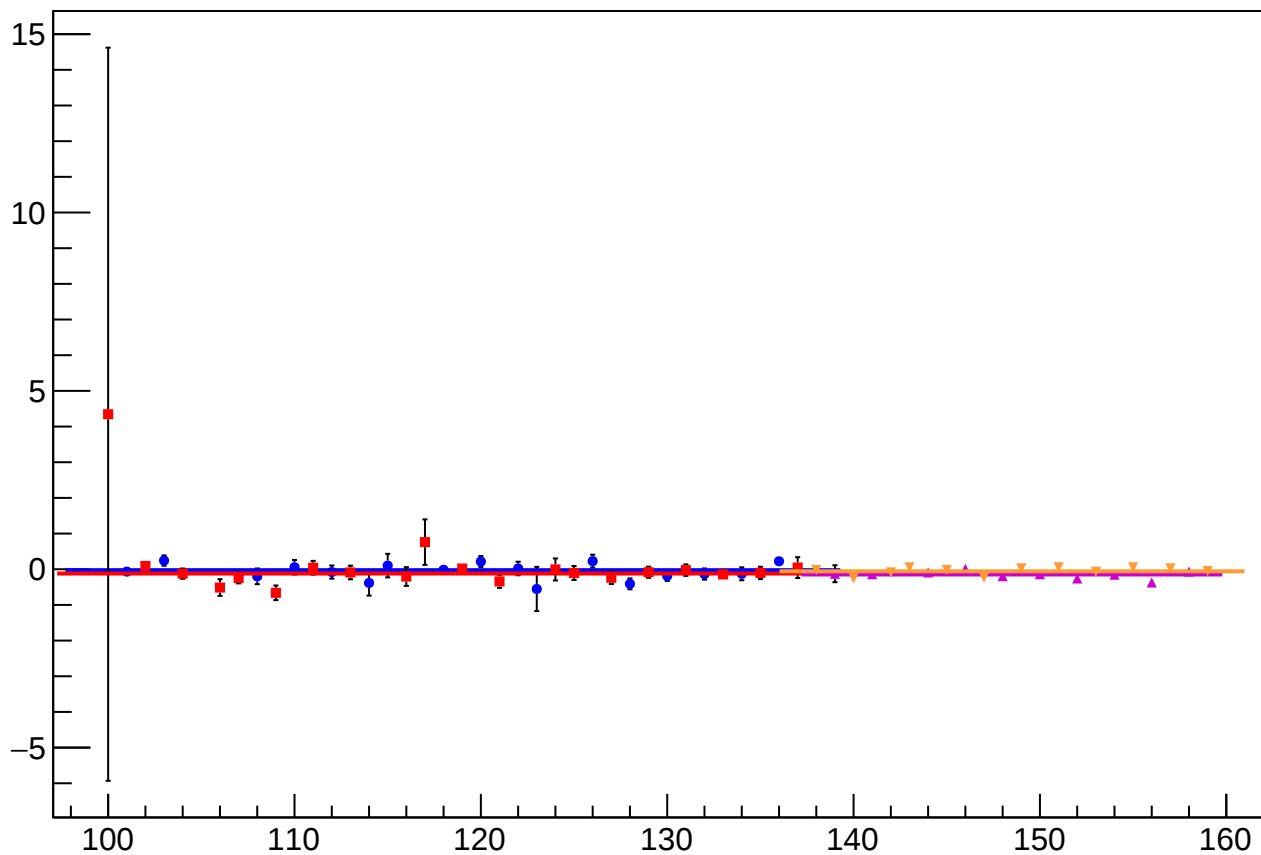
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.048+/-0.046 χ^2/NDF : 11.7/9

-0.020+/-0.044 χ^2/NDF : 17.5/11

-0.048+/-0.046 χ^2/NDF : 11.7/9

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.057 ± 0.030 χ^2/NDF : 14.7/11

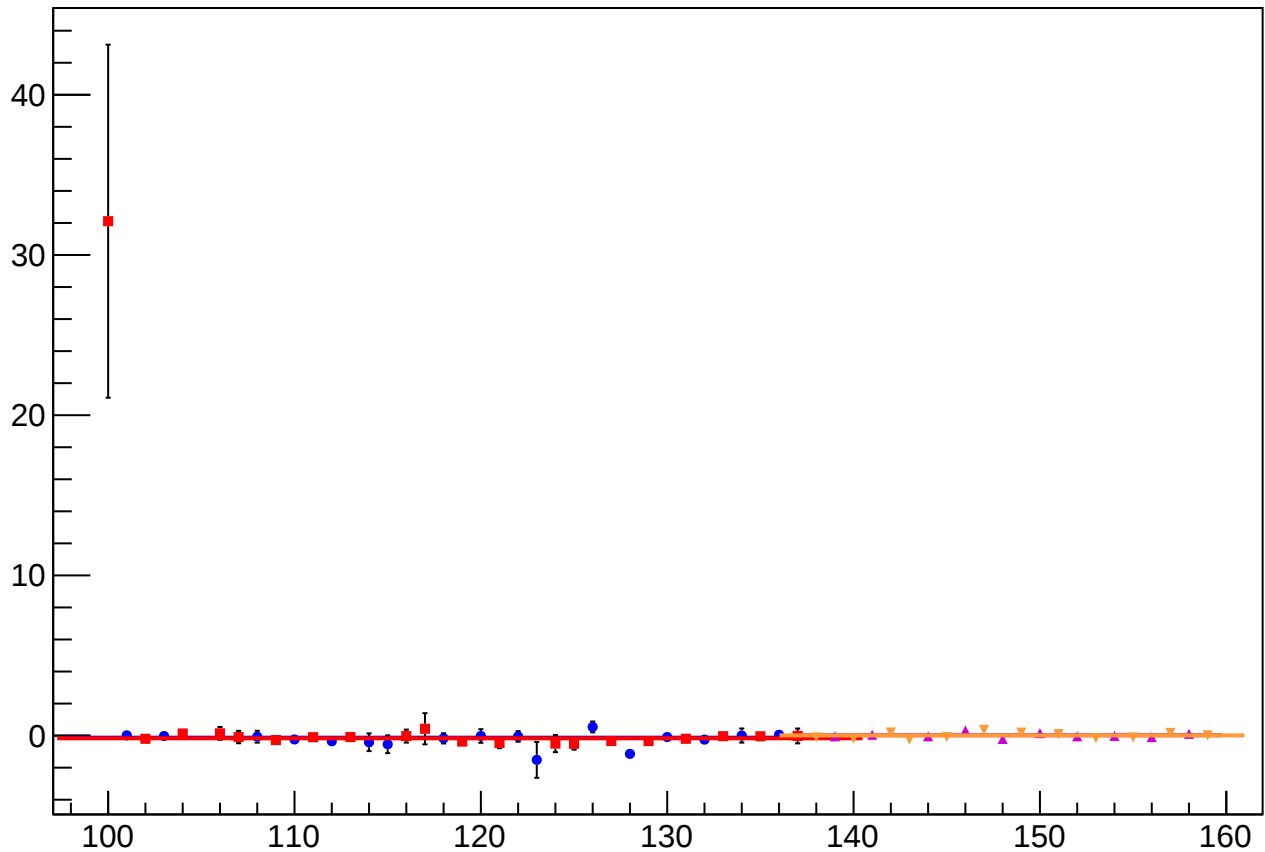
Right Out: -0.120 ± 0.039 χ^2/NDF : 20.2/19

Left In: -0.147 ± 0.032 χ^2/NDF : 10.1/9

-0.045 ± 0.023 χ^2/NDF : 37.8/28

-0.136 ± 0.025 χ^2/NDF : 30.6/29

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.013 ± 0.043 χ^2/NDF : 17.2/11

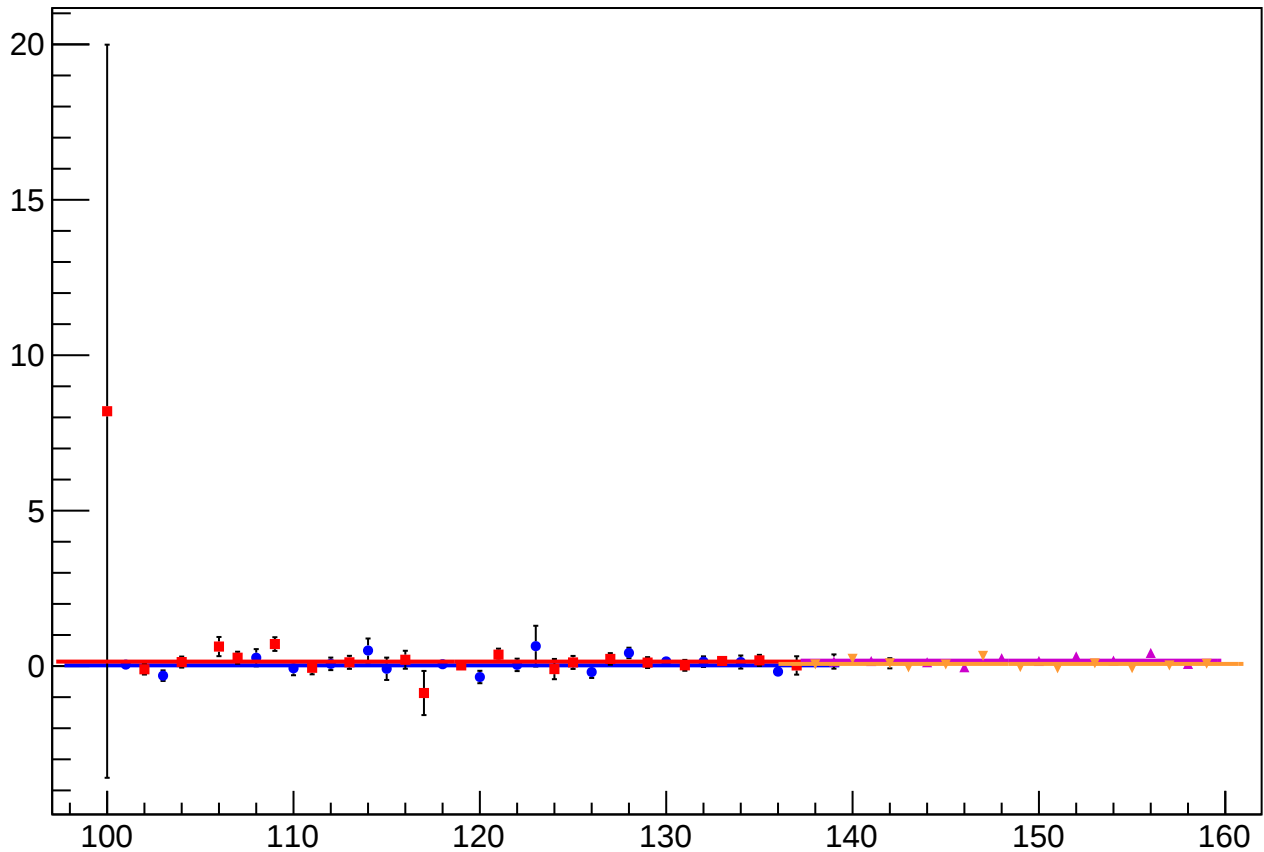
Right Out: -0.169 ± 0.071 χ^2/NDF : 15.3/19

Left In: 0.025 ± 0.045 χ^2/NDF : 10.5/9

-0.029 ± 0.036 χ^2/NDF : 43.5/28

-0.031 ± 0.038 χ^2/NDF : 31.1/29

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.070 ± 0.036 χ^2/NDF : 13.3/11

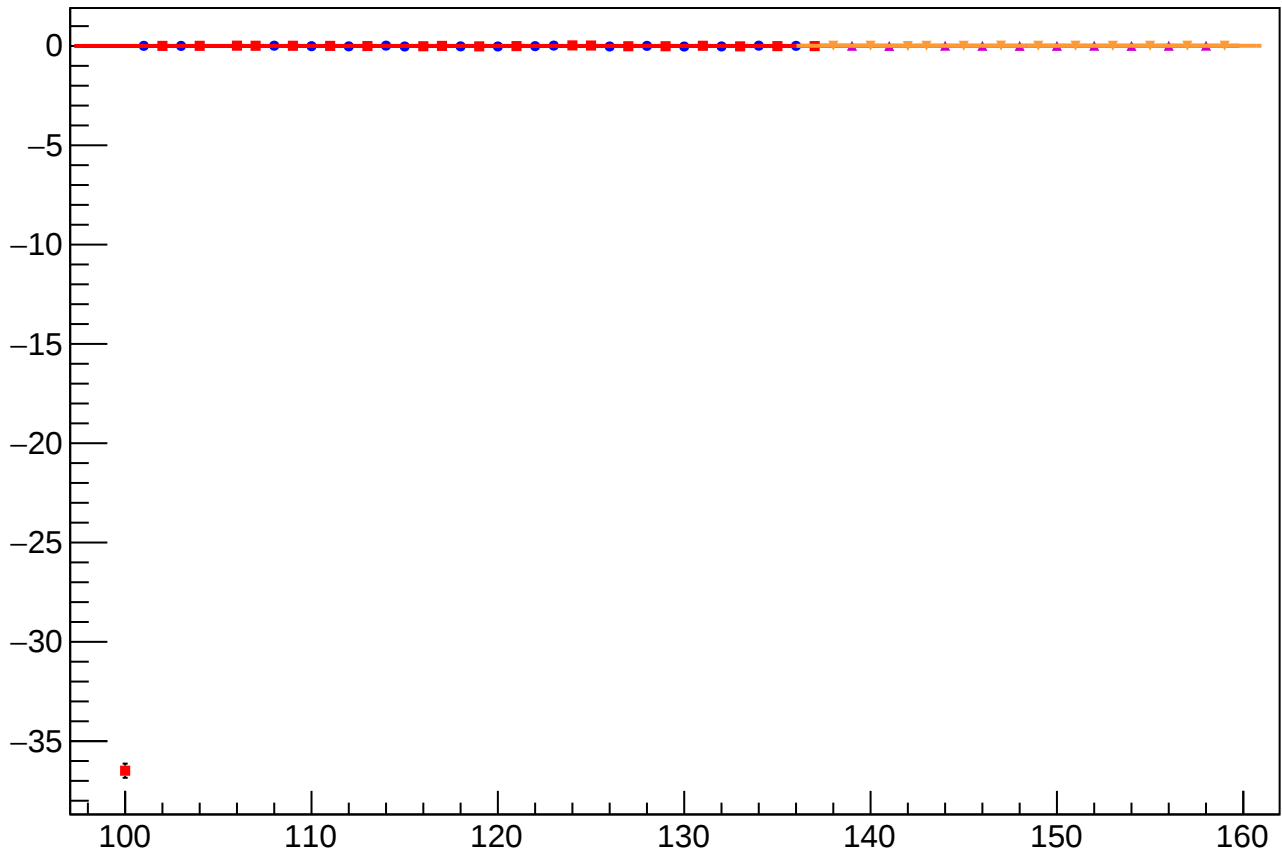
Right Out: 0.144 ± 0.045 χ^2/NDF : 18.6/19

Left In: 0.174 ± 0.038 χ^2/NDF : 10.7/9

0.050 ± 0.028 χ^2/NDF : 35.3/28

0.161 ± 0.029 χ^2/NDF : 29.6/29

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.011 $\pm$ 0.002 χ^2 /NDF: 5.5/11

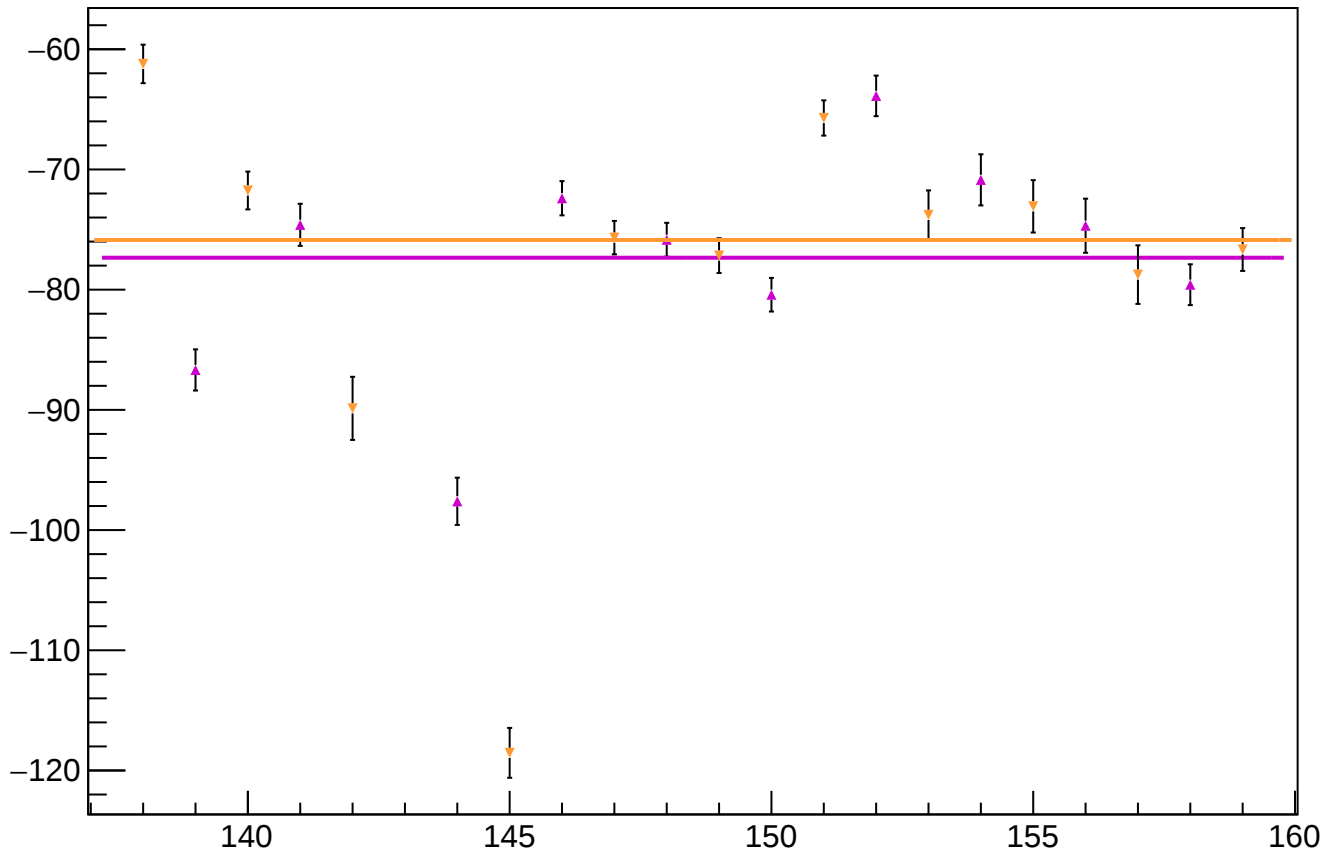
Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/19

Left In: 0.011 $\pm$ 0.002 χ^2 /NDF: 4.7/9

0.007 $\pm$ 0.001 χ^2 /NDF: 47.4/28

0.007 $\pm$ 0.001 χ^2 /NDF: 10466.2/29

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

Left Out: -75.868+/-0.530 χ^2/NDF : 594.6/10

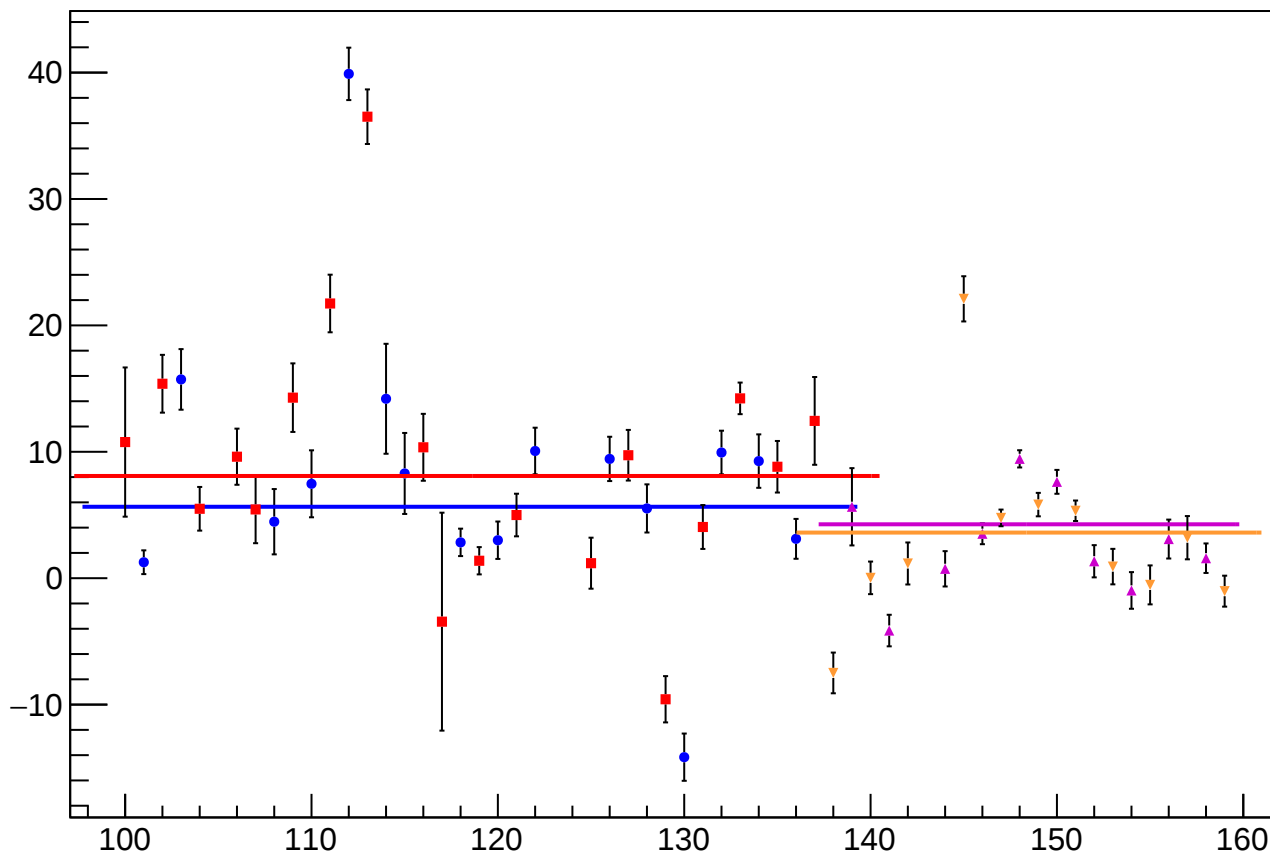
-75.868+/-0.530 χ^2/NDF : 594.6/10

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

-77.344+/-0.531 χ^2/NDF : 232.5/9

Left In: -77.344+/-0.531 χ^2/NDF : 232.5/9

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 $\pm$ 0.429 χ^2 /NDF: 461.9/15

Left Out: 3.609 $\pm$ 0.341 χ^2 /NDF: 202.9/10

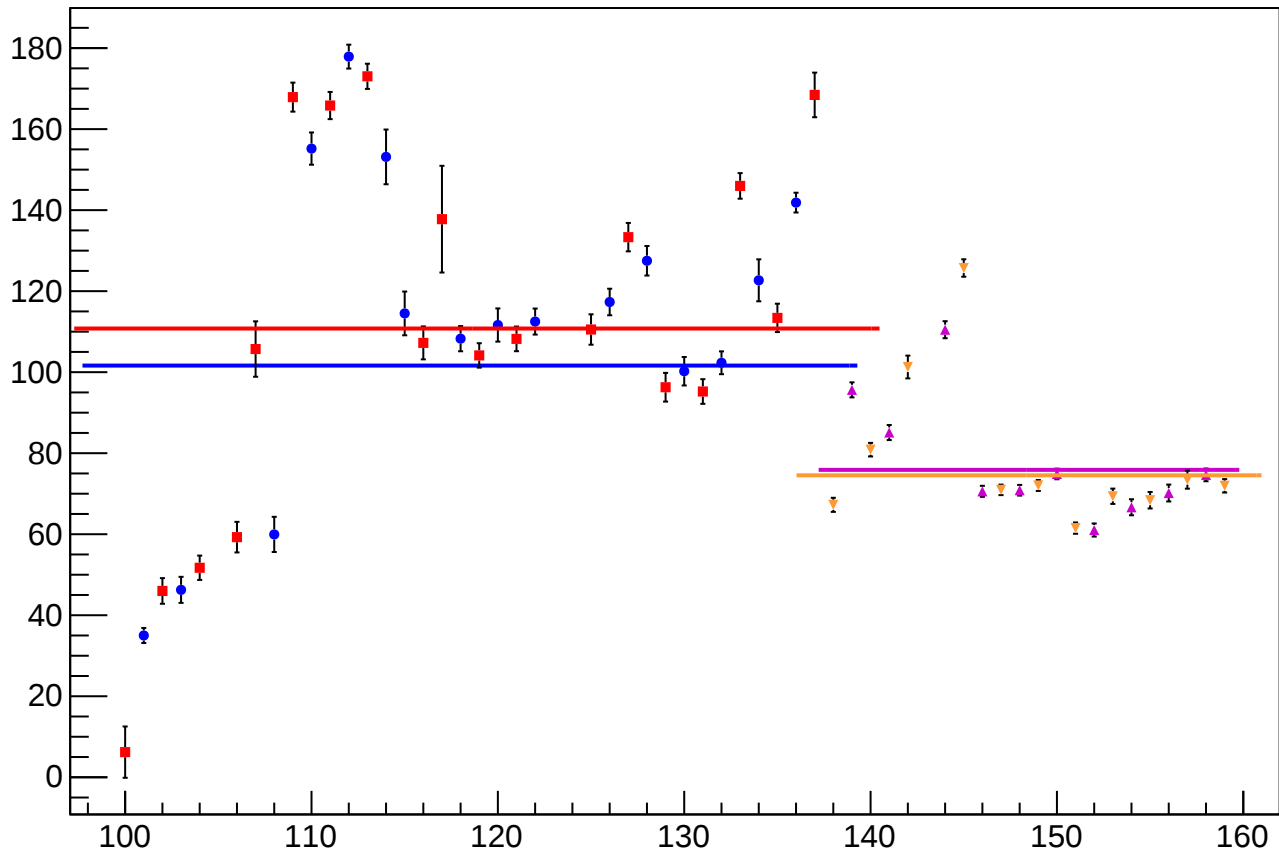
Right Out: 8.087 $\pm$ 0.452 χ^2 /NDF: 409.7/18

Left In: 4.264 $\pm$ 0.348 χ^2 /NDF: 147.1/9

4.400 $\pm$ 0.267 χ^2 /NDF: 678.7/26

5.689 $\pm$ 0.276 χ^2 /NDF: 601.7/28

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 ± 0.812 χ^2/NDF : 2980.2/15

Left Out: 74.539 ± 0.515 χ^2/NDF : 803.9/10

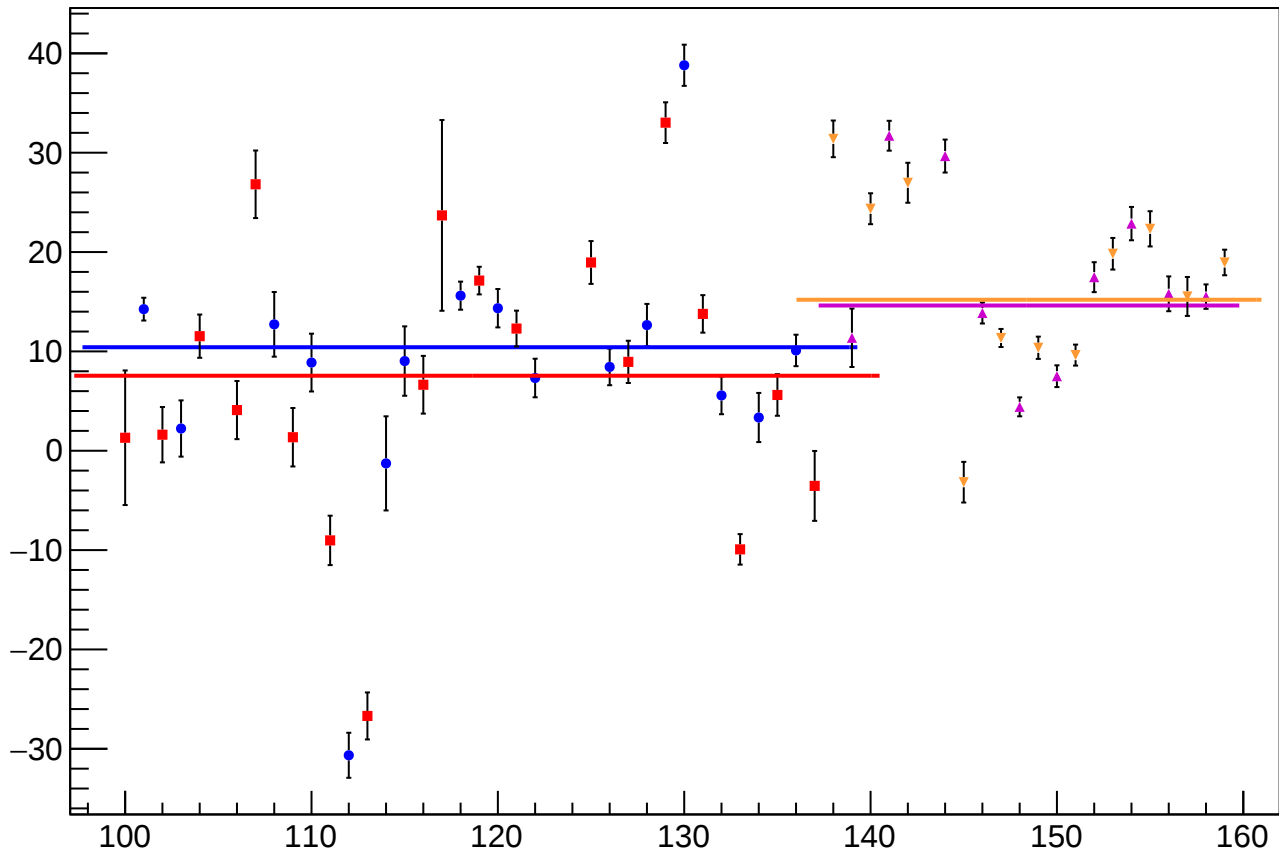
Right Out: 110.778 ± 0.834 χ^2/NDF : 2518.3/18

Left In: 75.888 ± 0.514 χ^2/NDF : 553.1/9

82.314 ± 0.435 χ^2/NDF : 4577.6/26

85.495 ± 0.438 χ^2/NDF : 4338.3/28

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 $\pm$ 0.497 χ^2/NDF : 579.7/15

Left Out: 15.200 $\pm$ 0.420 χ^2/NDF : 324.1/10

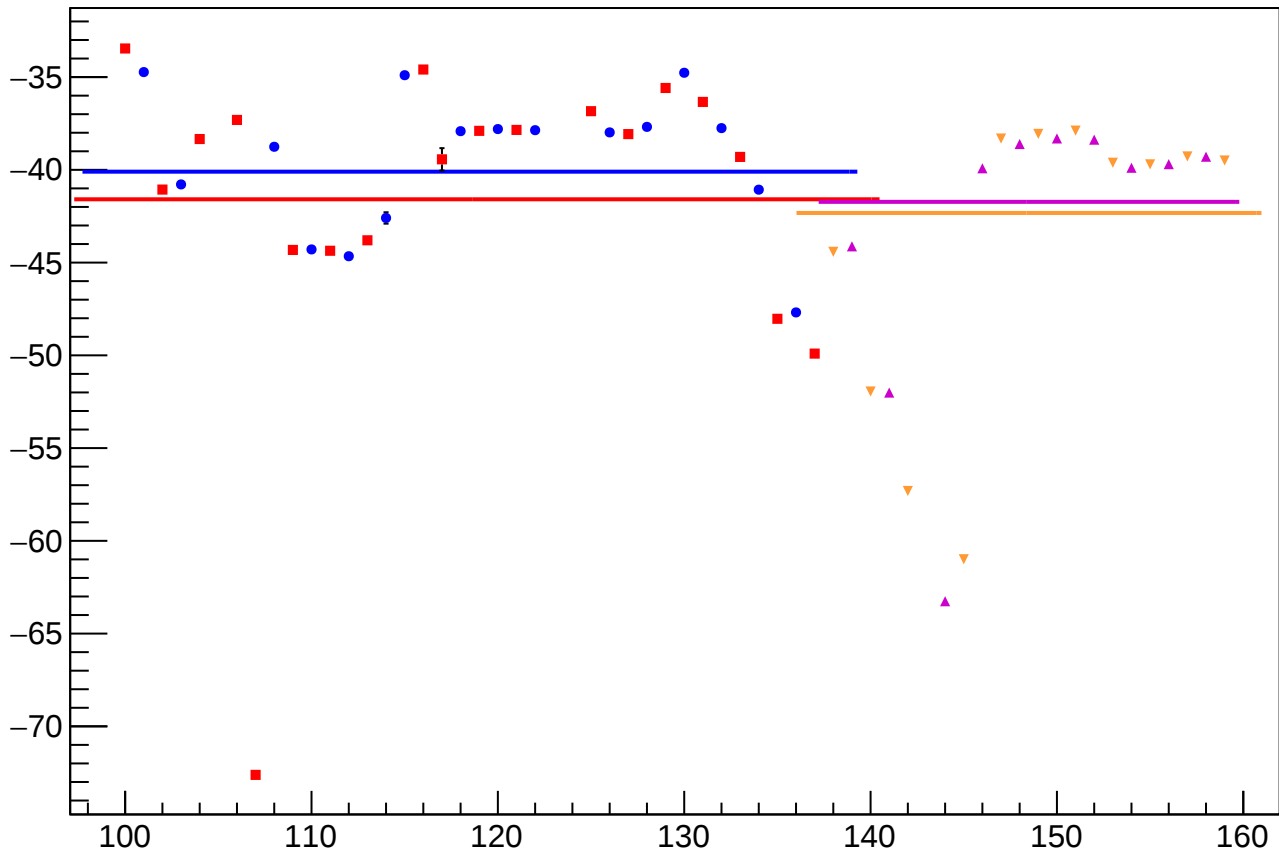
Right Out: 7.550 $\pm$ 0.522 χ^2/NDF : 692.3/18

Left In: 14.620 $\pm$ 0.425 χ^2/NDF : 398.6/9

13.211 $\pm$ 0.321 χ^2/NDF : 957.8/26

11.803 $\pm$ 0.330 χ^2/NDF : 1201.0/28

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -42.324 ± 0.021 χ^2/NDF : 105460.2/10

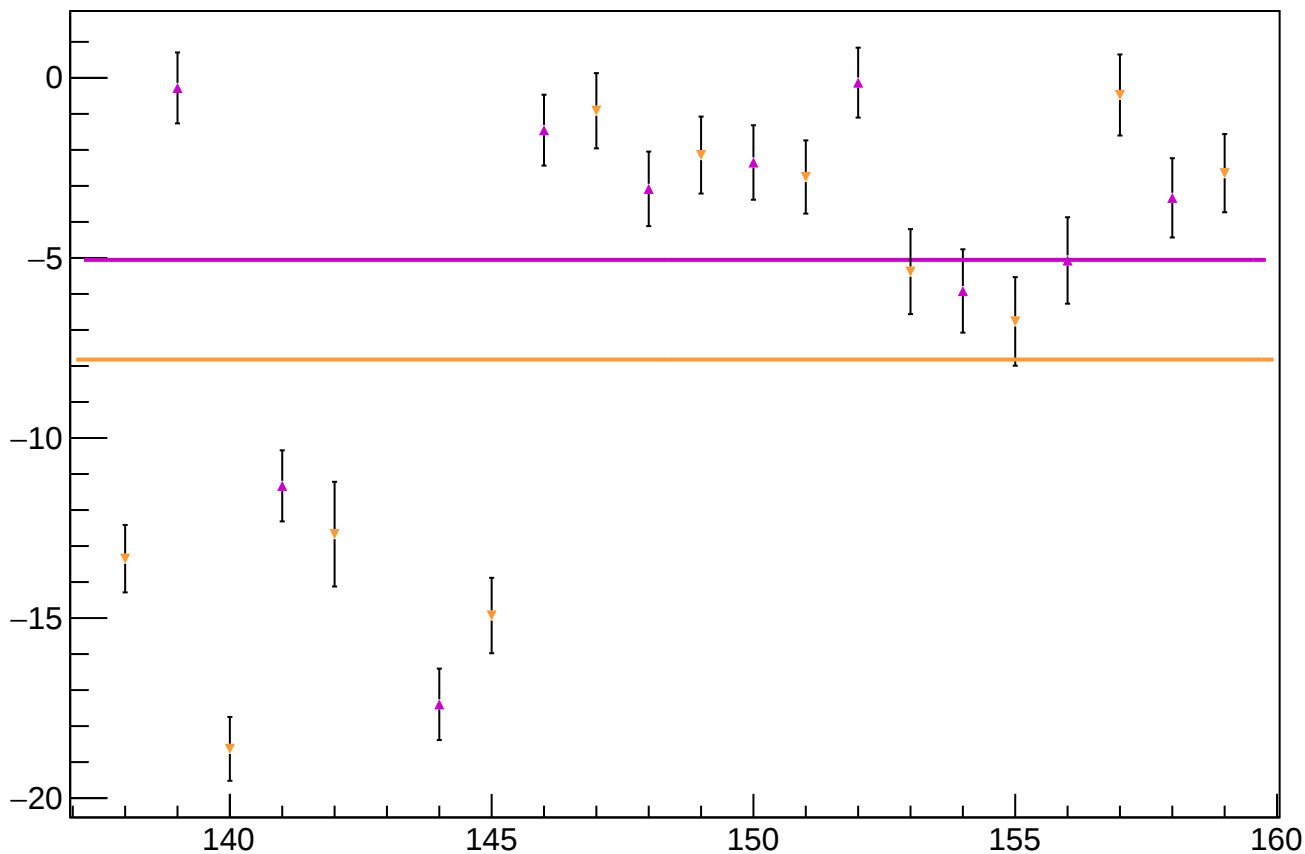
Right Out: -41.588 ± 0.029 χ^2/NDF : 61690.5/18

Left In: -41.725 ± 0.020 χ^2/NDF : 88287.2/9

-41.547 ± 0.017 χ^2/NDF : 134554.5/26

-41.679 ± 0.017 χ^2/NDF : 149993.1/28

reg_asym_us_dd_diff_bpm1X_slope vs Slug

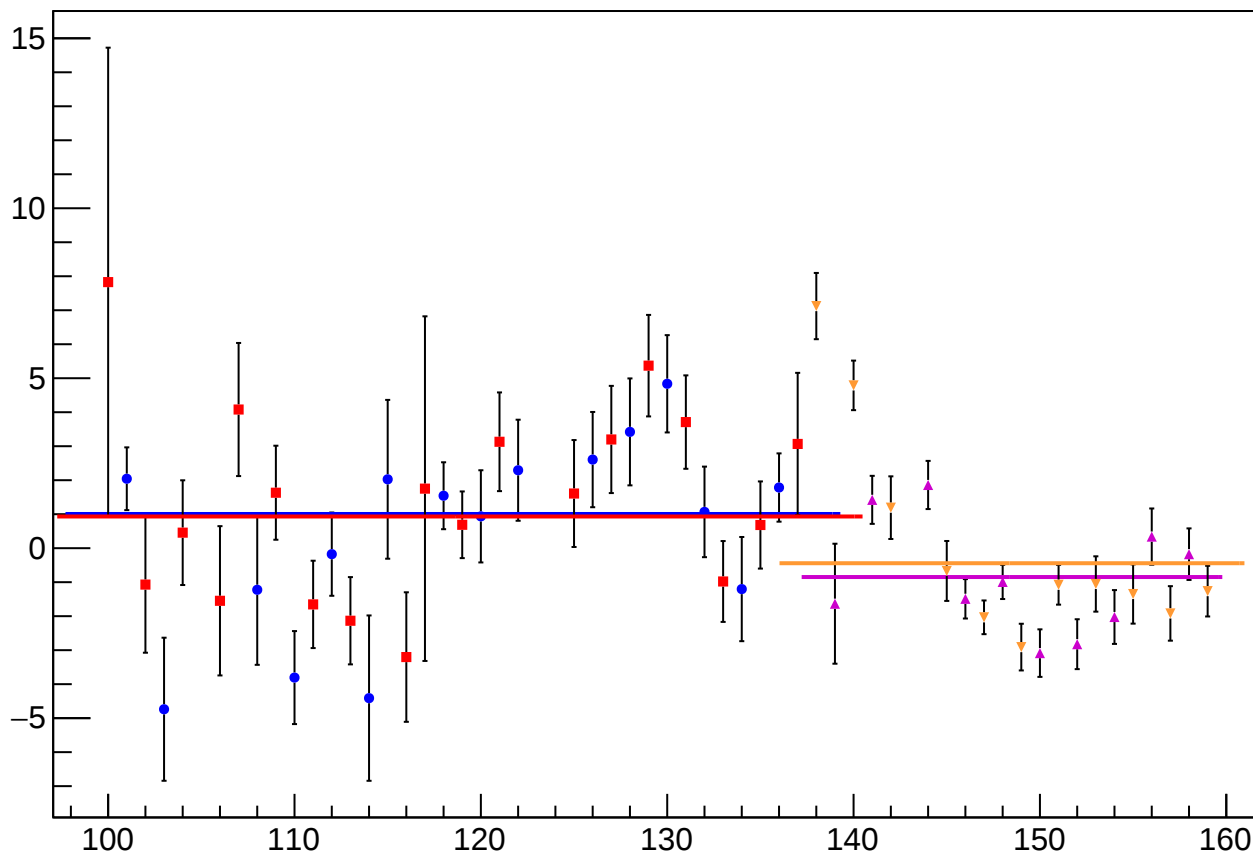


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: -7.821+/-0.323 χ^2/NDF : 408.0/10
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: -5.053+/-0.328 χ^2/NDF : 271.4/9

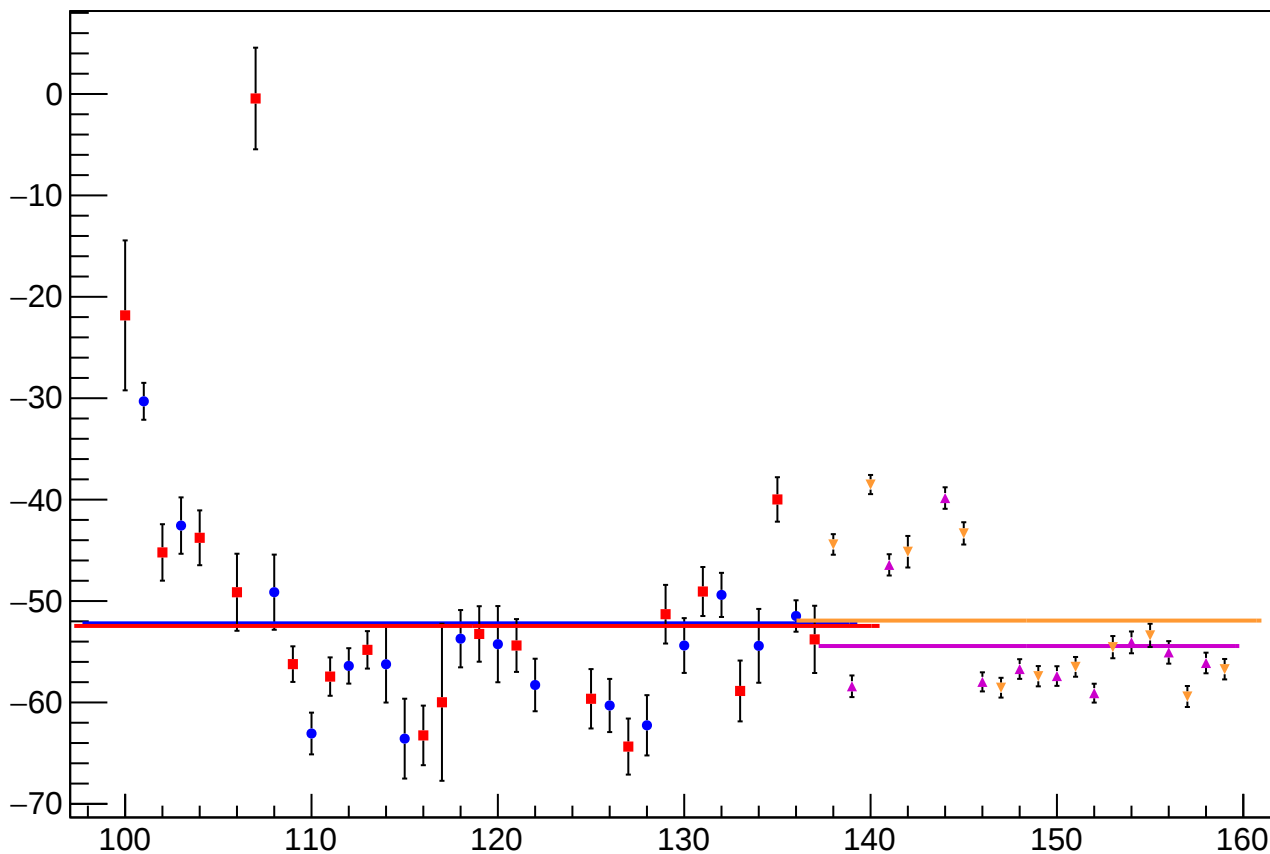
-7.821+/-0.323 χ^2/NDF : 408.0/10

-5.053+/-0.328 χ^2/NDF : 271.4/9

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -51.926 ± 0.317 χ^2/NDF : 517.1/10

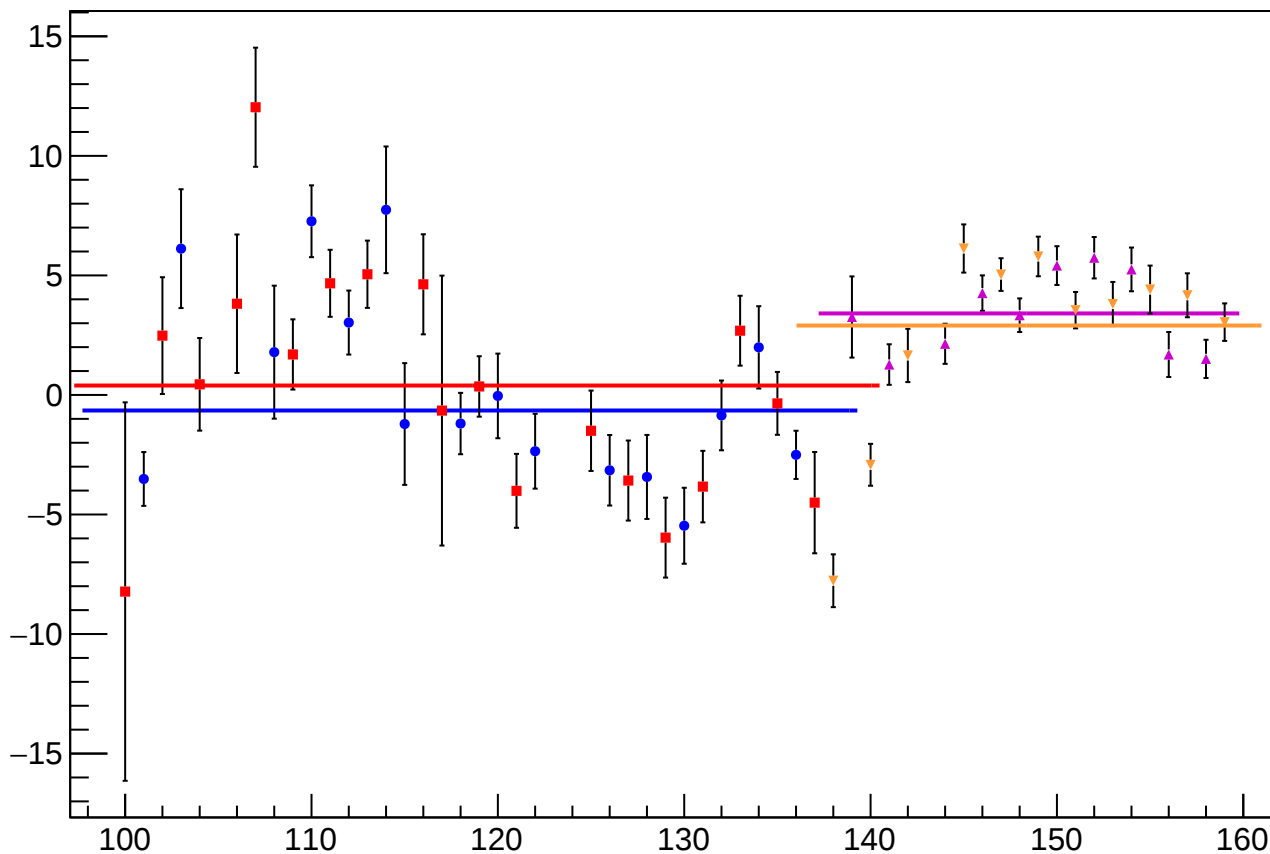
Right Out: -52.455 ± 0.614 χ^2/NDF : 234.8/18

Left In: -54.435 ± 0.321 χ^2/NDF : 318.2/9

-51.984 ± 0.282 χ^2/NDF : 747.9/26

-54.011 ± 0.284 χ^2/NDF : 561.3/28

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 2.904 ± 0.265 χ^2/NDF : 176.7/10

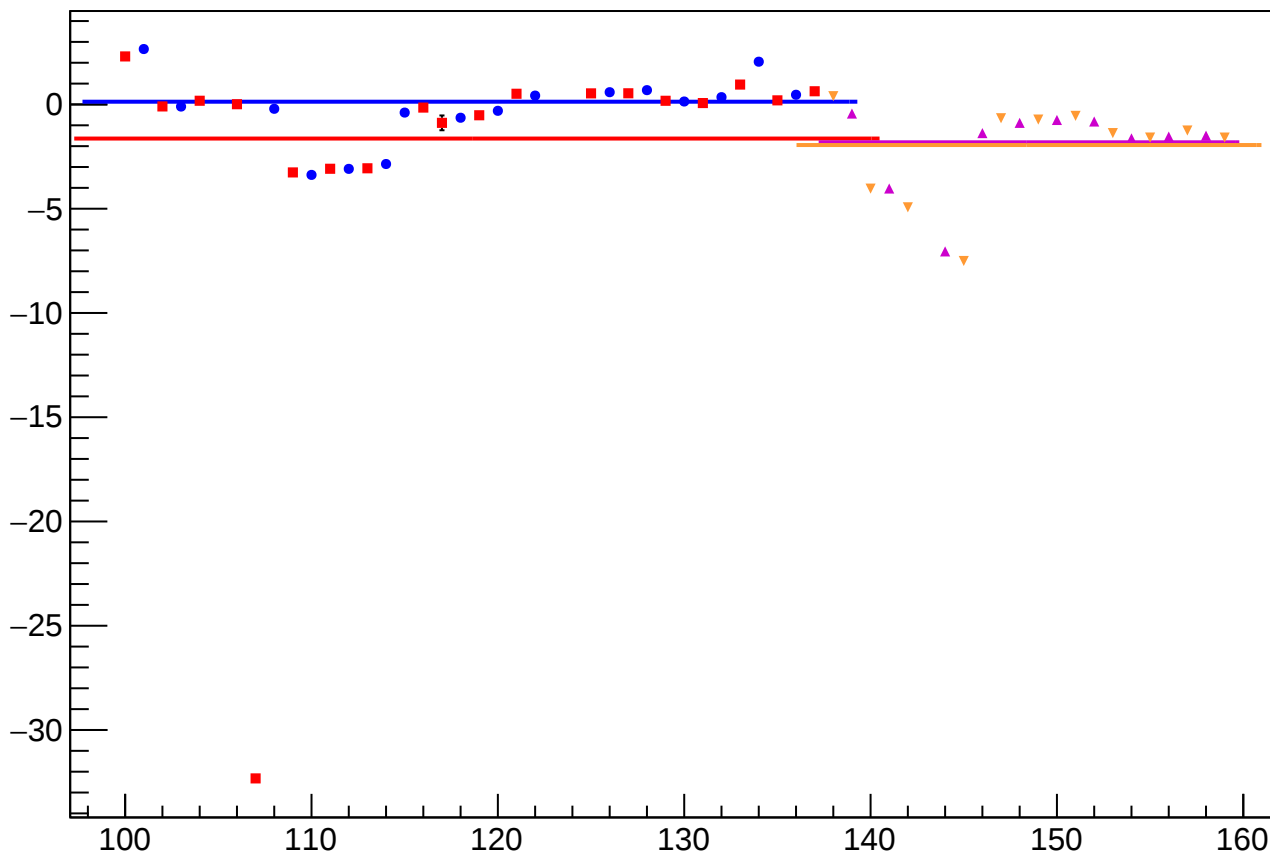
Right Out: 0.394 ± 0.398 χ^2/NDF : 95.9/18

Left In: 3.410 ± 0.270 χ^2/NDF : 36.4/9

1.768 ± 0.219 χ^2/NDF : 316.1/26

2.462 ± 0.223 χ^2/NDF : 171.6/28

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -1.946 ± 0.012 $\chi^2/\text{NDF}: 28421.6/10$

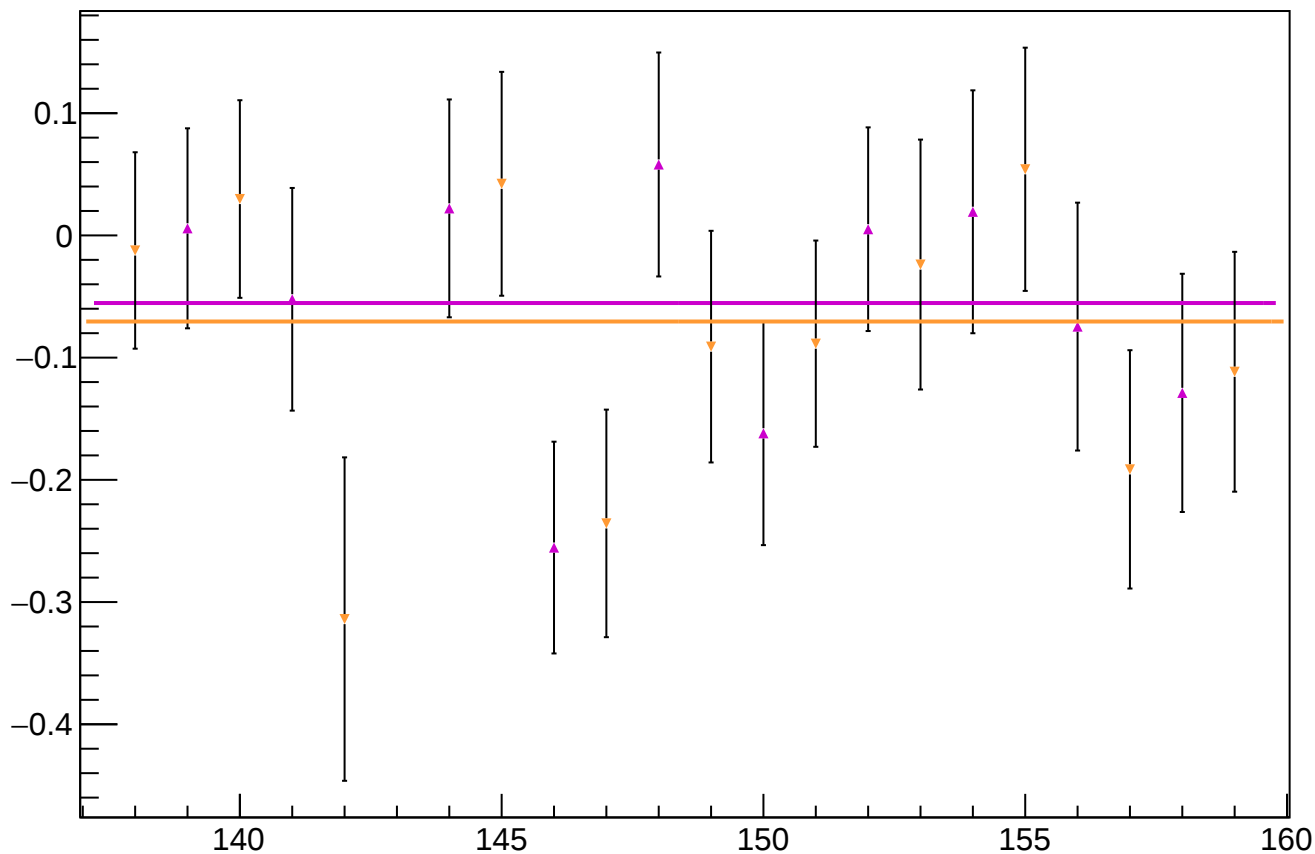
Right Out: -1.635 ± 0.022 $\chi^2/\text{NDF}: 77852.9/18$

Left In: -1.815 ± 0.013 $\chi^2/\text{NDF}: 18989.8/9$

-1.428 ± 0.011 $\chi^2/\text{NDF}: 40642.3/26$

-1.770 ± 0.011 $\chi^2/\text{NDF}: 96893.8/28$

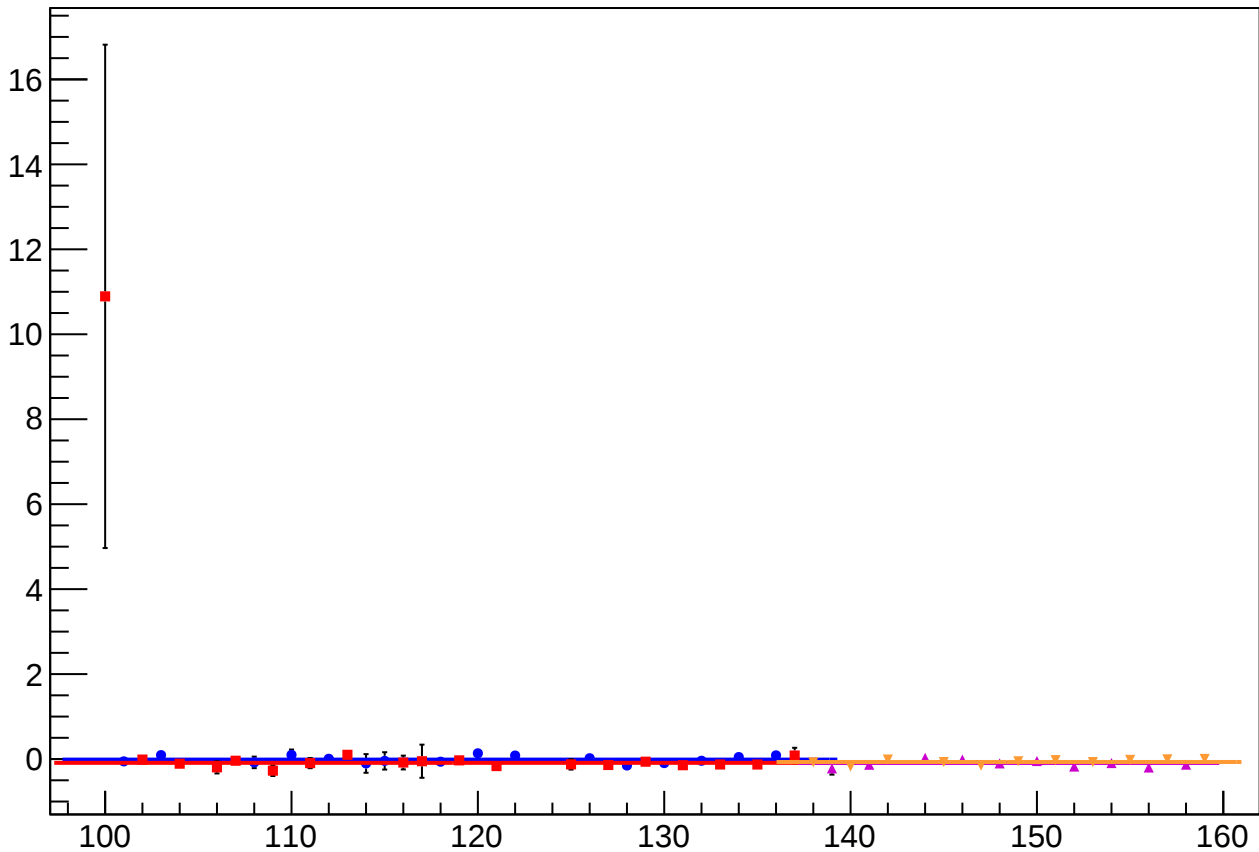
reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.070+/-0.028 χ^2/NDF :13.7/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.055+/-0.029 χ^2/NDF :11.2/9

-0.070+/-0.028 χ^2/NDF : 13.7/10
 -0.055+/-0.029 χ^2/NDF : 11.2/9

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 11.7/15

Left Out: -0.069 ± 0.019 χ^2/NDF : 10.2/10

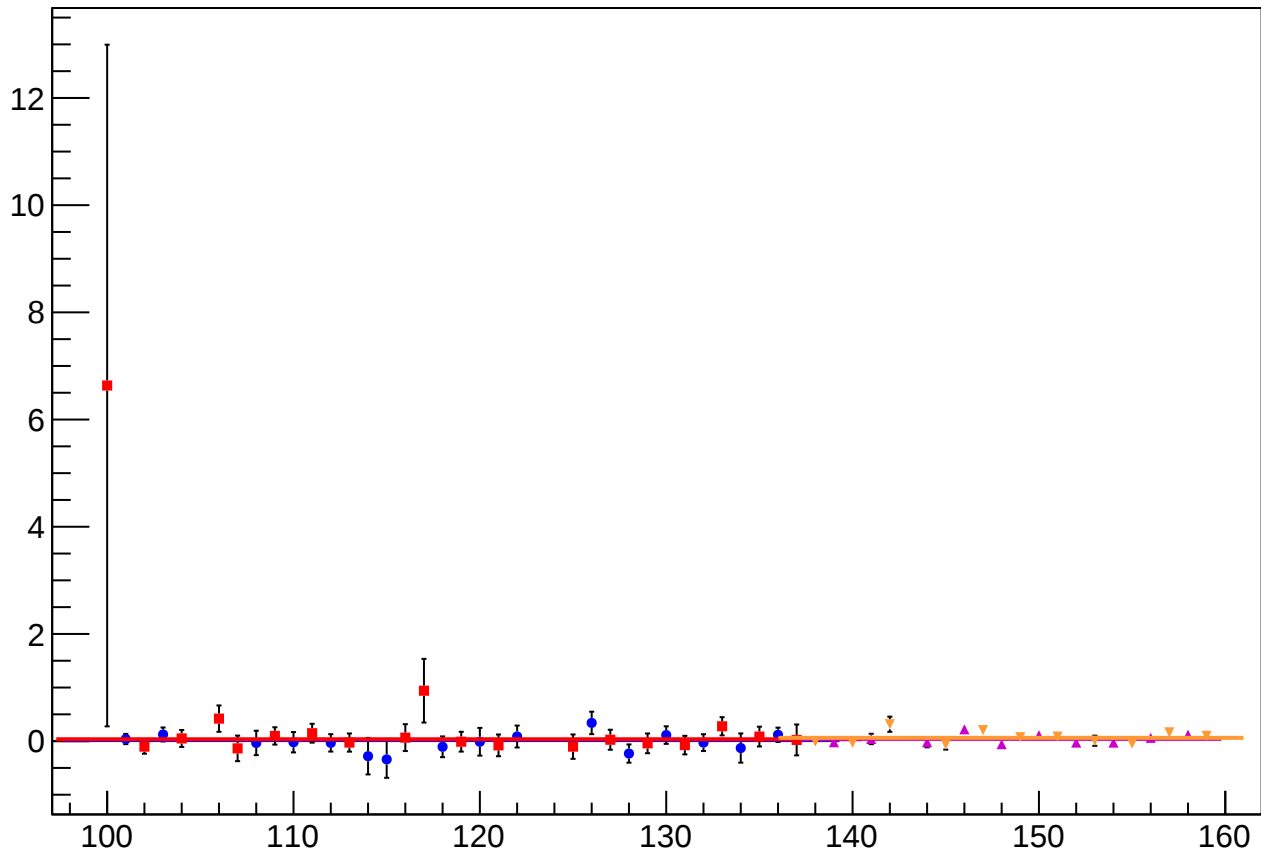
Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/18

Left In: -0.092 ± 0.020 χ^2/NDF : 12.3/9

-0.047 ± 0.015 χ^2/NDF : 25.3/26

-0.091 ± 0.015 χ^2/NDF : 25.3/28

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.061 $\pm$ 0.028 χ^2 /NDF:12.7/10

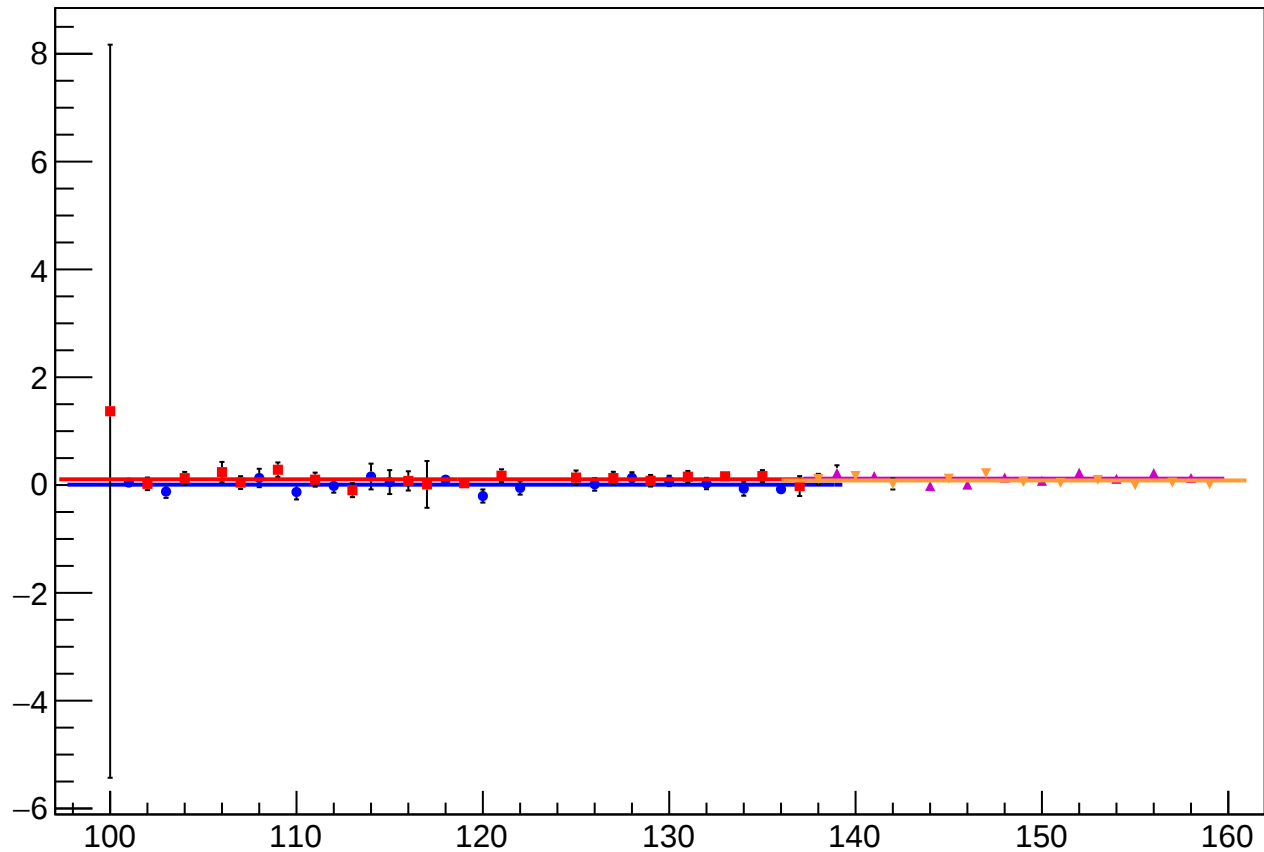
Right Out: 0.035 $\pm$ 0.045 χ^2 /NDF: 11.6/18

Left In: 0.042 $\pm$ 0.028 χ^2 /NDF:9.6/9

0.049 $\pm$ 0.023 χ^2 /NDF: 22.4/26

0.040 $\pm$ 0.024 χ^2 /NDF: 21.2/28

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 ± 0.027 χ^2/NDF : 11.3/15

Left Out: 0.085 ± 0.023 χ^2/NDF : 9.6/10

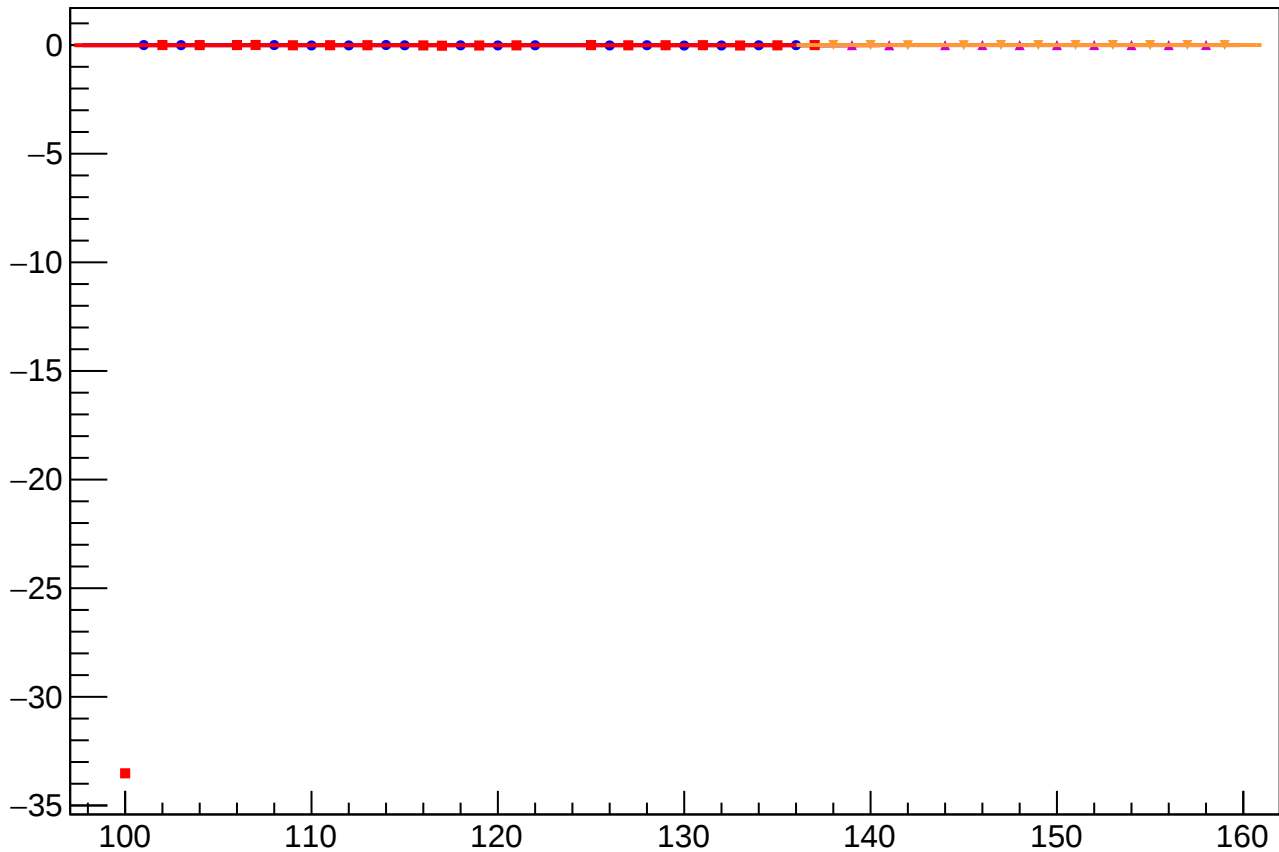
Right Out: 0.106 ± 0.029 χ^2/NDF : 8.2/18

Left In: 0.118 ± 0.024 χ^2/NDF : 11.2/9

0.052 ± 0.018 χ^2/NDF : 25.6/26

0.113 ± 0.018 χ^2/NDF : 19.5/28

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005+/-0.001 χ^2 /NDF: 21.8/15

Left Out: 0.001+/-0.001 χ^2 /NDF: 7.1/10

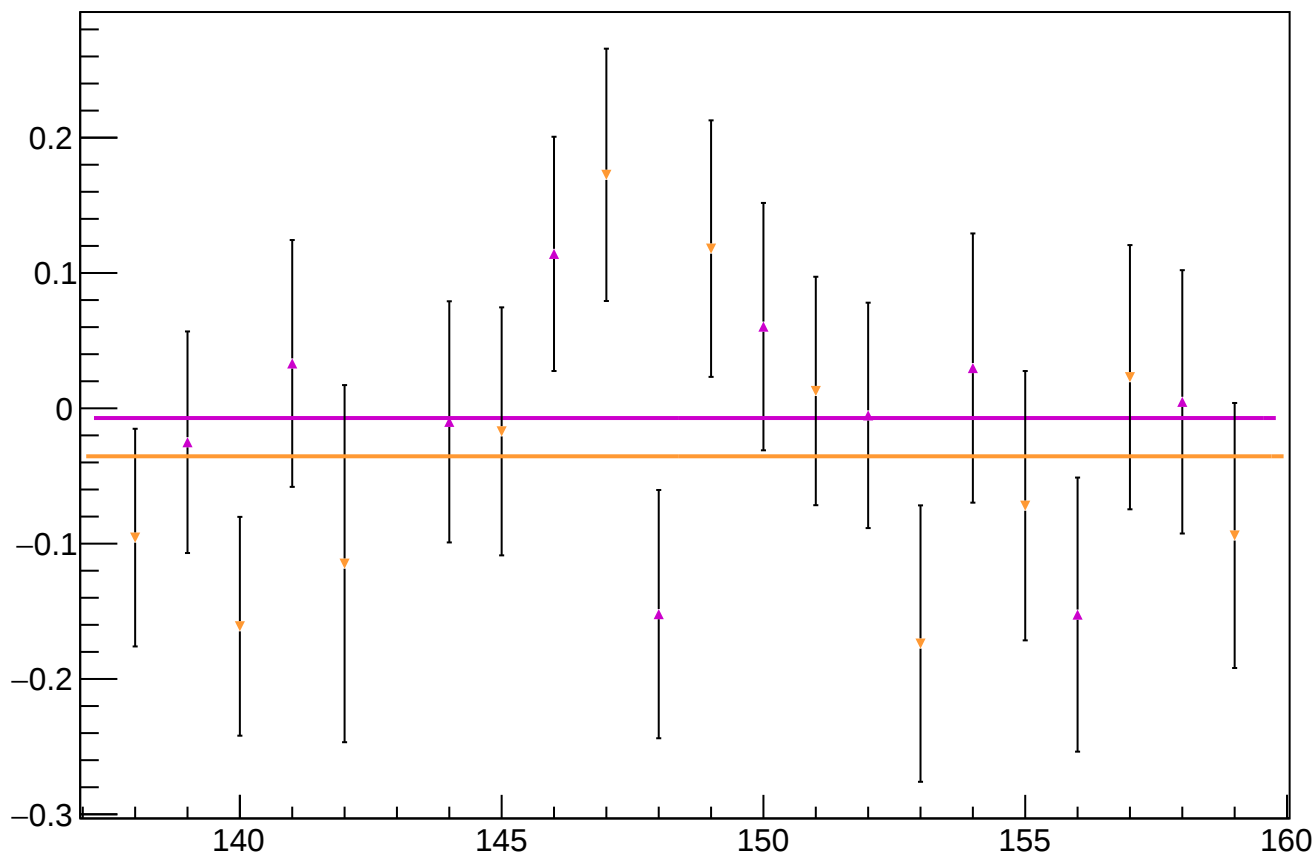
Right Out: -0.006+/-0.001 χ^2 /NDF: 26509.5/18

Left In: -0.000+/-0.001 χ^2 /NDF: 7.2/9

-0.001+/-0.001 χ^2 /NDF: 41.4/26

-0.002+/-0.001 χ^2 /NDF: 26527.4/28

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.035 $\pm$ 0.028 χ^2 /NDF: 14.0/10

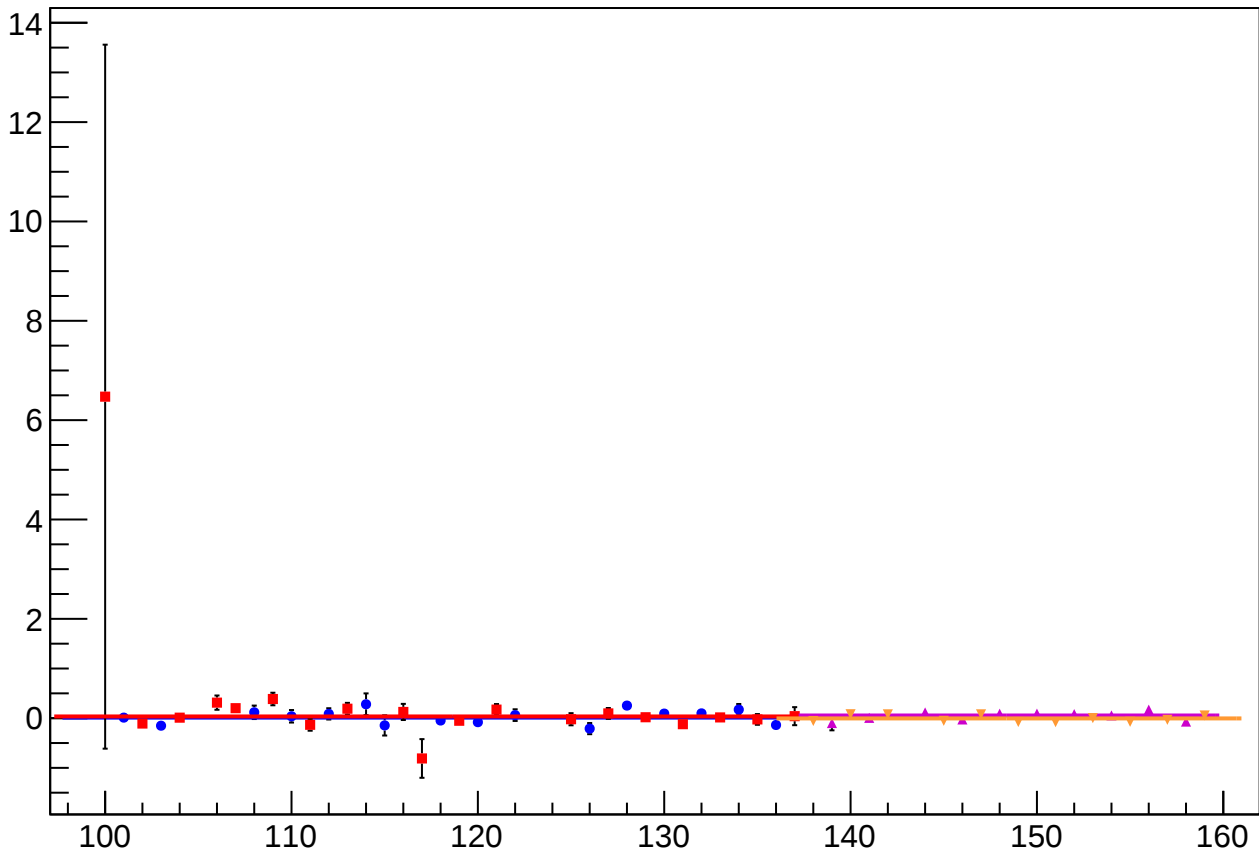
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.007 $\pm$ 0.029 χ^2 /NDF: 7.5/9

-0.035 $\pm$ 0.028 χ^2 /NDF: 14.0/10

-0.007 $\pm$ 0.029 χ^2 /NDF: 7.5/9

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012 $\pm$ 0.023 χ^2 /NDF: 25.0/15

Left Out: -0.005 $\pm$ 0.019 χ^2 /NDF: 12.5/10

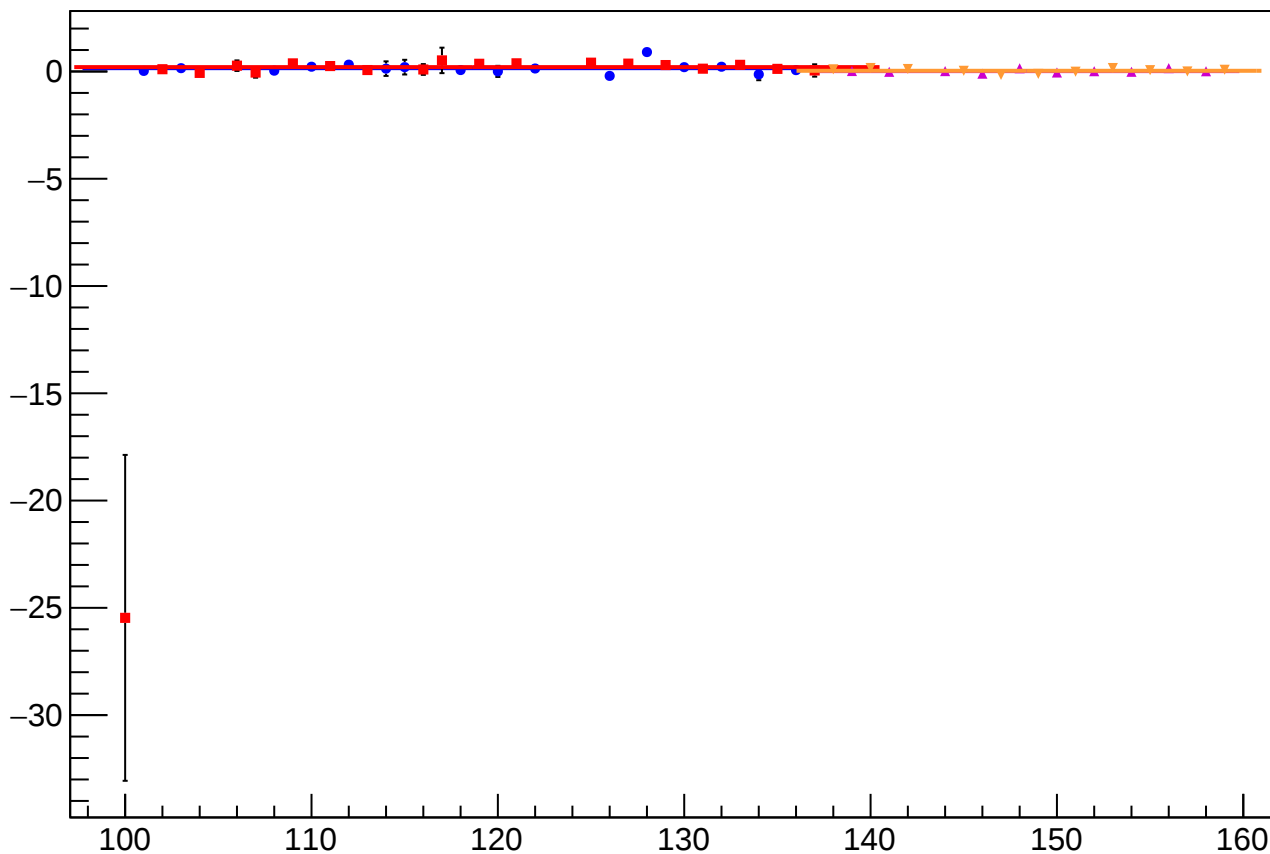
Right Out: 0.035 $\pm$ 0.025 χ^2 /NDF: 33.2/18

Left In: 0.054 $\pm$ 0.020 χ^2 /NDF: 12.3/9

0.002 $\pm$ 0.015 χ^2 /NDF: 37.8/26

0.047 $\pm$ 0.015 χ^2 /NDF: 45.9/28

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.043 χ^2/NDF : 27.9/15

Left Out: 0.032+/-0.028 χ^2/NDF : 13.4/10

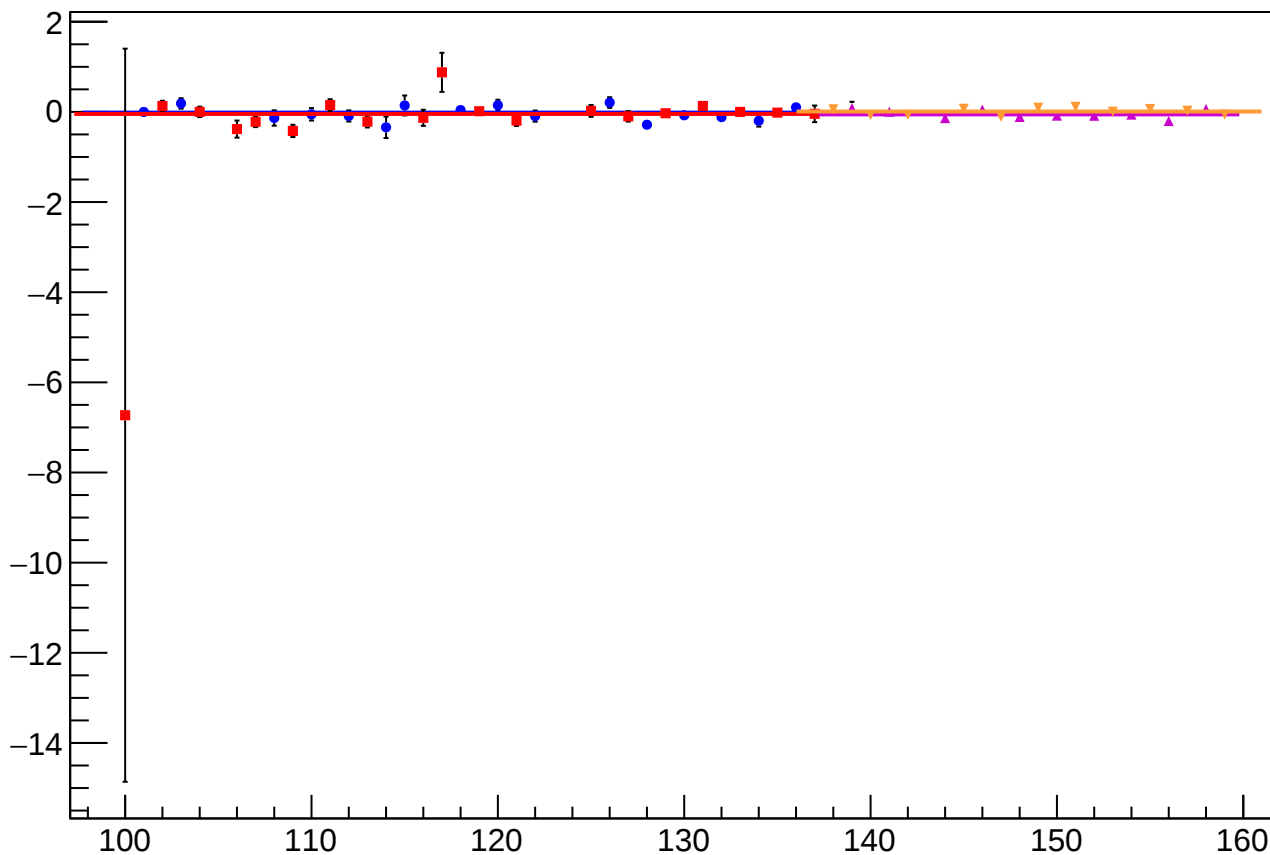
Right Out: 0.203+/-0.045 χ^2/NDF : 22.9/18

Left In: 0.017+/-0.028 χ^2/NDF : 7.4/9

0.068+/-0.023 χ^2/NDF : 47.1/26

0.069+/-0.024 χ^2/NDF : 42.7/28

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.009 ± 0.023 χ^2/NDF : 11.6/10

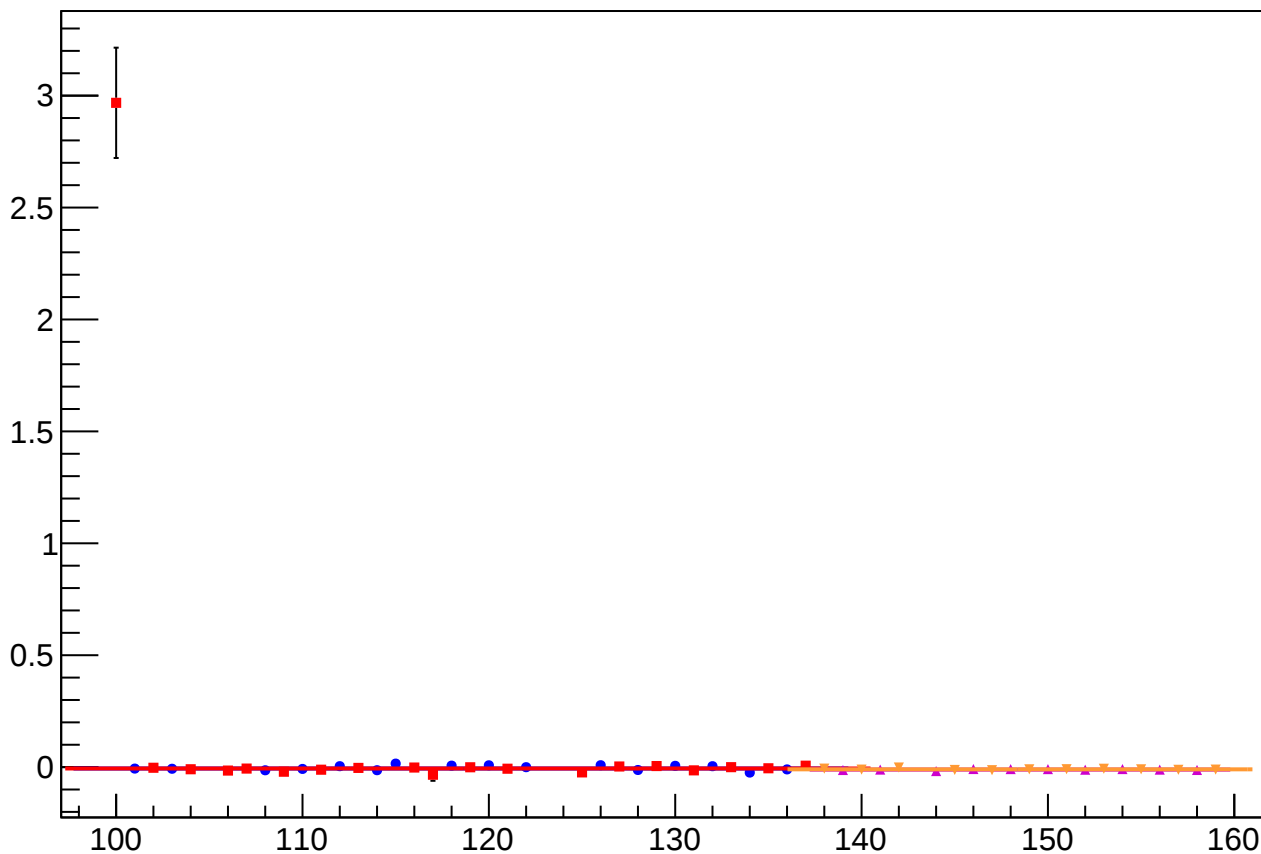
Right Out: -0.044 ± 0.029 χ^2/NDF : 30.5/18

Left In: -0.055 ± 0.024 χ^2/NDF : 12.5/9

-0.002 ± 0.018 χ^2/NDF : 36.4/26

-0.051 ± 0.018 χ^2/NDF : 43.1/28

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006+/-0.001 χ^2 /NDF: 27.3/15

Left Out: -0.010+/-0.001 χ^2 /NDF: 5.7/10

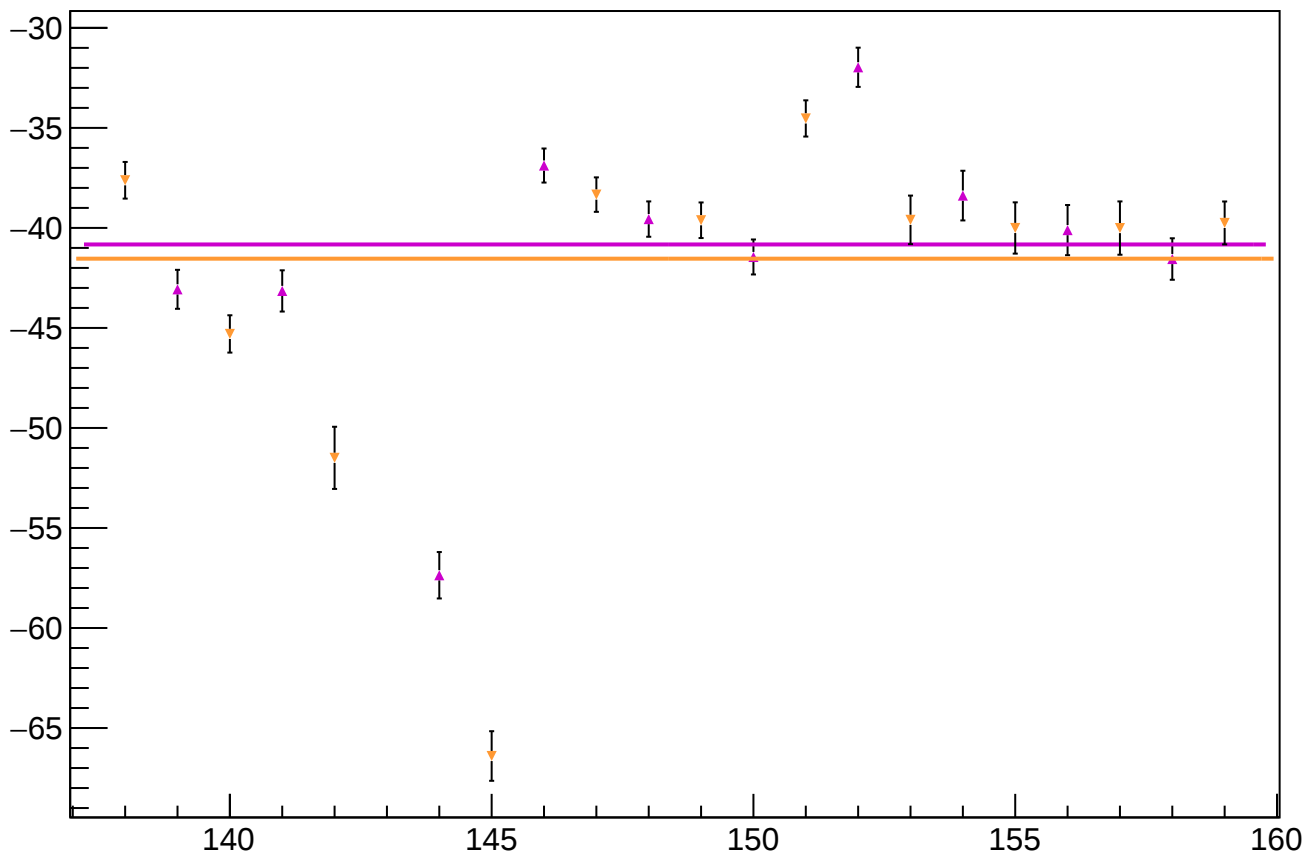
Right Out: -0.006+/-0.001 χ^2 /NDF: 167.0/18

Left In: -0.011+/-0.001 χ^2 /NDF: 4.9/9

-0.009+/-0.001 χ^2 /NDF: 37.2/26

-0.009+/-0.001 χ^2 /NDF: 179.4/28

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -41.538+/-0.317 χ^2/NDF : 564.4/10

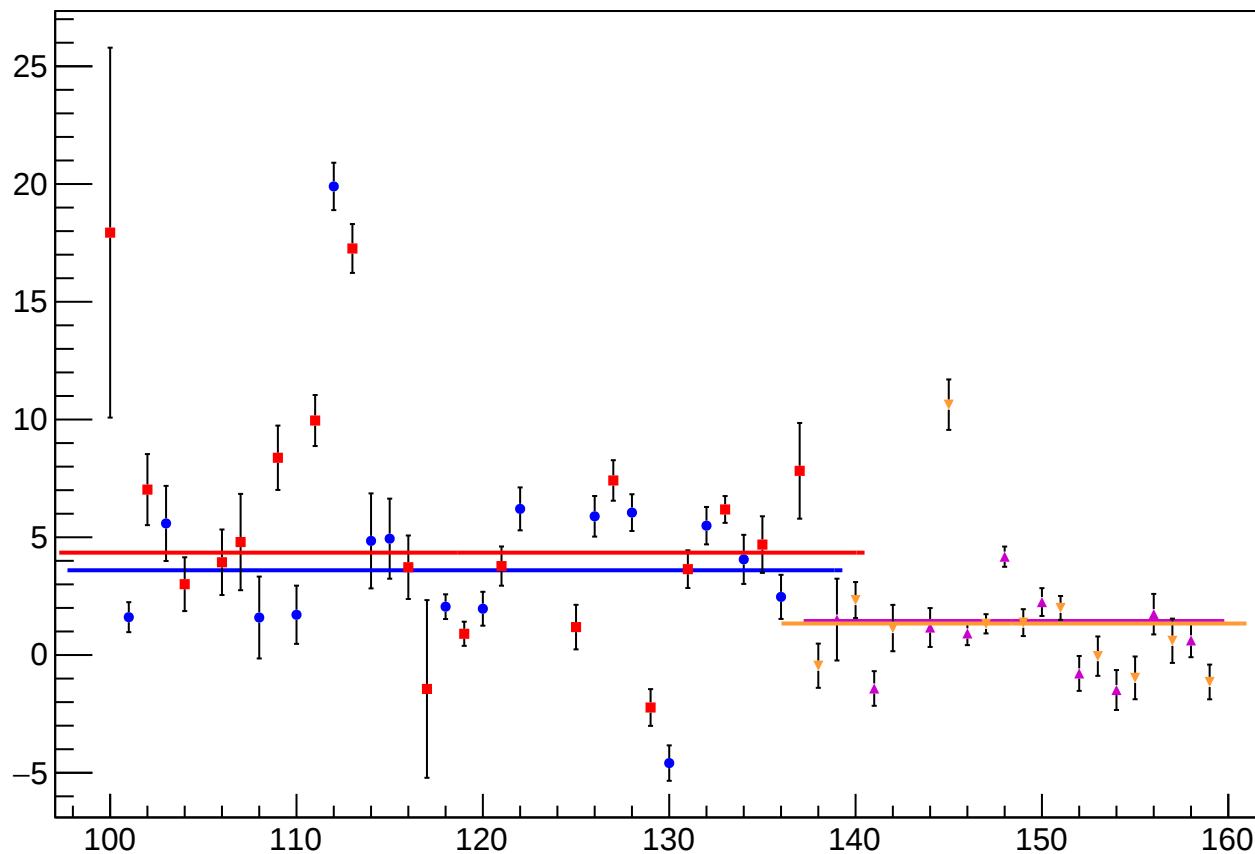
-41.538+/-0.317 χ^2/NDF : 564.4/10

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

-40.827+/-0.317 χ^2/NDF : 323.8/9

Left In: -40.827+/-0.317 χ^2/NDF : 323.8/9

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 443.4/15

Left Out: 1.338 ± 0.207 χ^2/NDF : 103.5/10

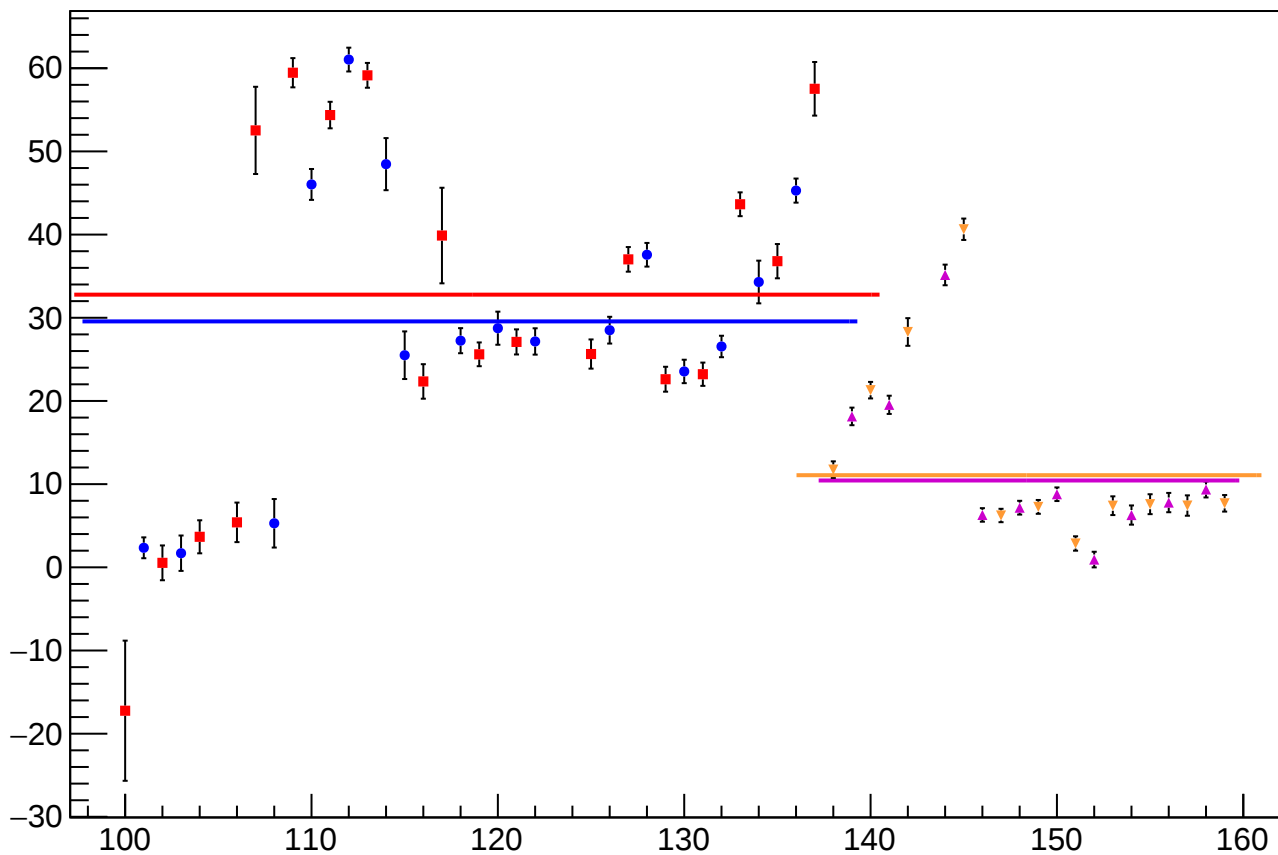
Right Out: 4.347 ± 0.224 χ^2/NDF : 355.4/18

Left In: 1.443 ± 0.211 χ^2/NDF : 81.3/9

2.399 ± 0.151 χ^2/NDF : 602.8/26

2.803 ± 0.154 χ^2/NDF : 525.7/28

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 ± 0.420 χ^2/NDF : 1494.6/15

Left Out: 11.075 ± 0.309 χ^2/NDF : 928.5/10

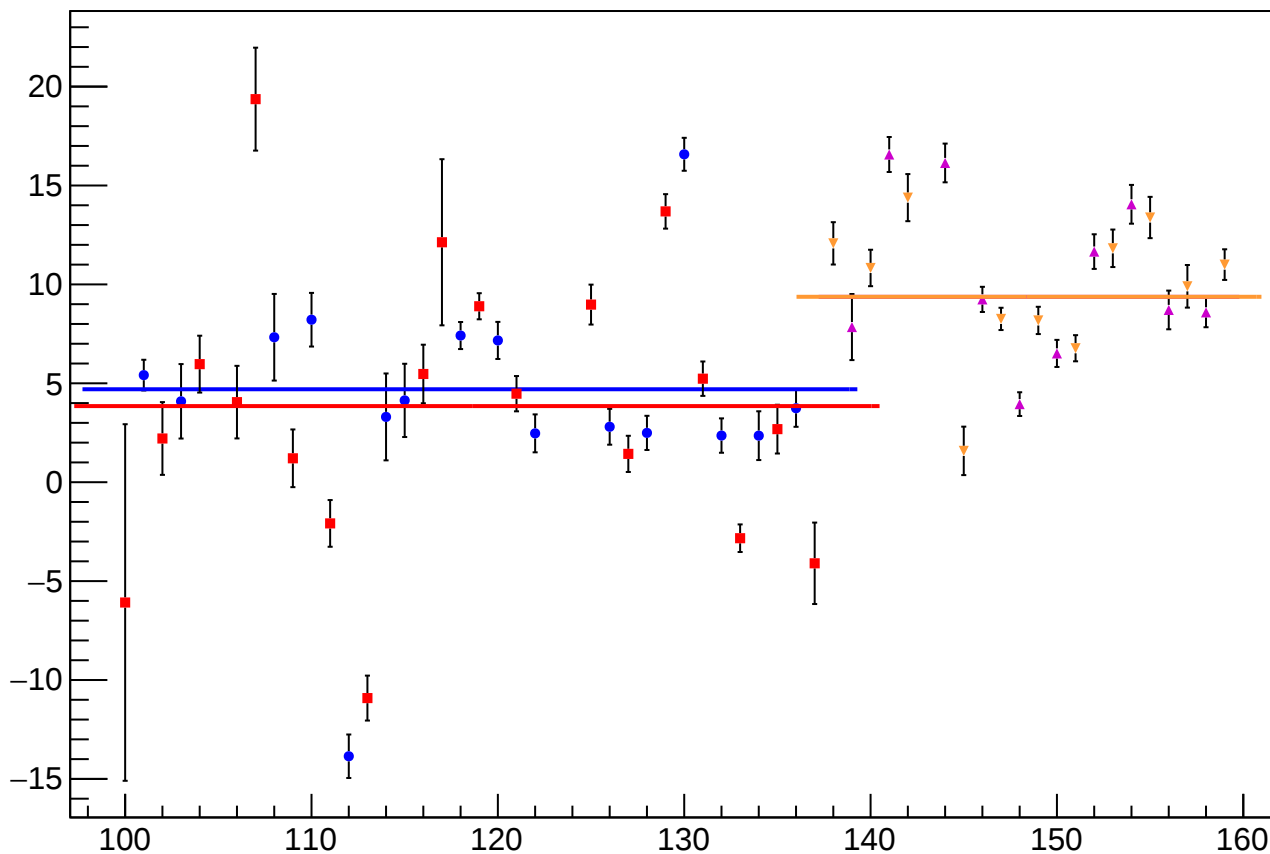
Right Out: 32.780 ± 0.422 χ^2/NDF : 1664.8/18

Left In: 10.439 ± 0.308 χ^2/NDF : 686.1/9

17.574 ± 0.249 χ^2/NDF : 3682.6/26

18.206 ± 0.249 χ^2/NDF : 4182.6/28

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 $\pm$ 0.254 χ^2 /NDF: 548.9/15

Left Out: 9.374 $\pm$ 0.254 χ^2 /NDF: 115.6/10

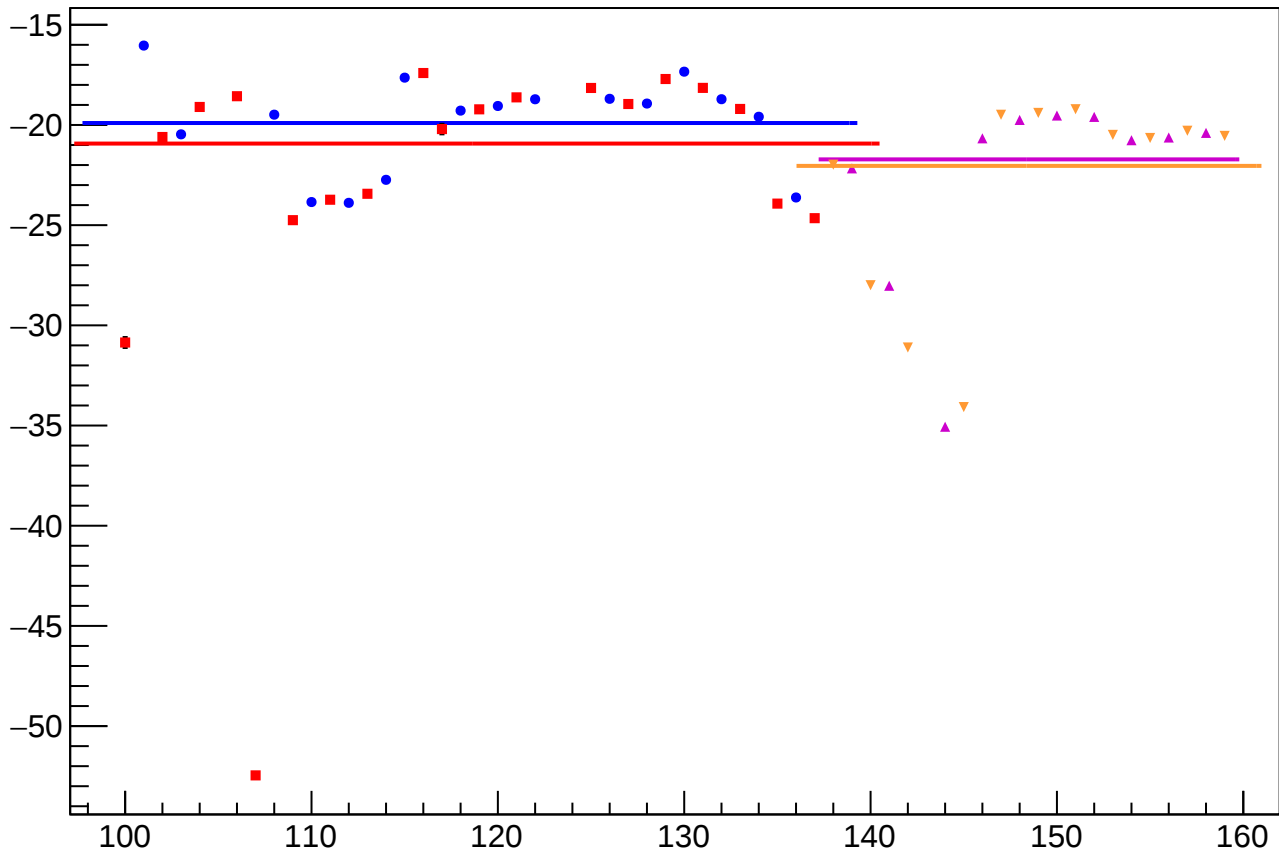
Right Out: 3.848 $\pm$ 0.258 χ^2 /NDF: 571.5/18

Left In: 9.370 $\pm$ 0.256 χ^2 /NDF: 245.2/9

7.039 $\pm$ 0.180 χ^2 /NDF: 834.0/26

6.627 $\pm$ 0.182 χ^2 /NDF: 1047.3/28

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -22.042 ± 0.012 $\chi^2/\text{NDF}: 114910.2/10$

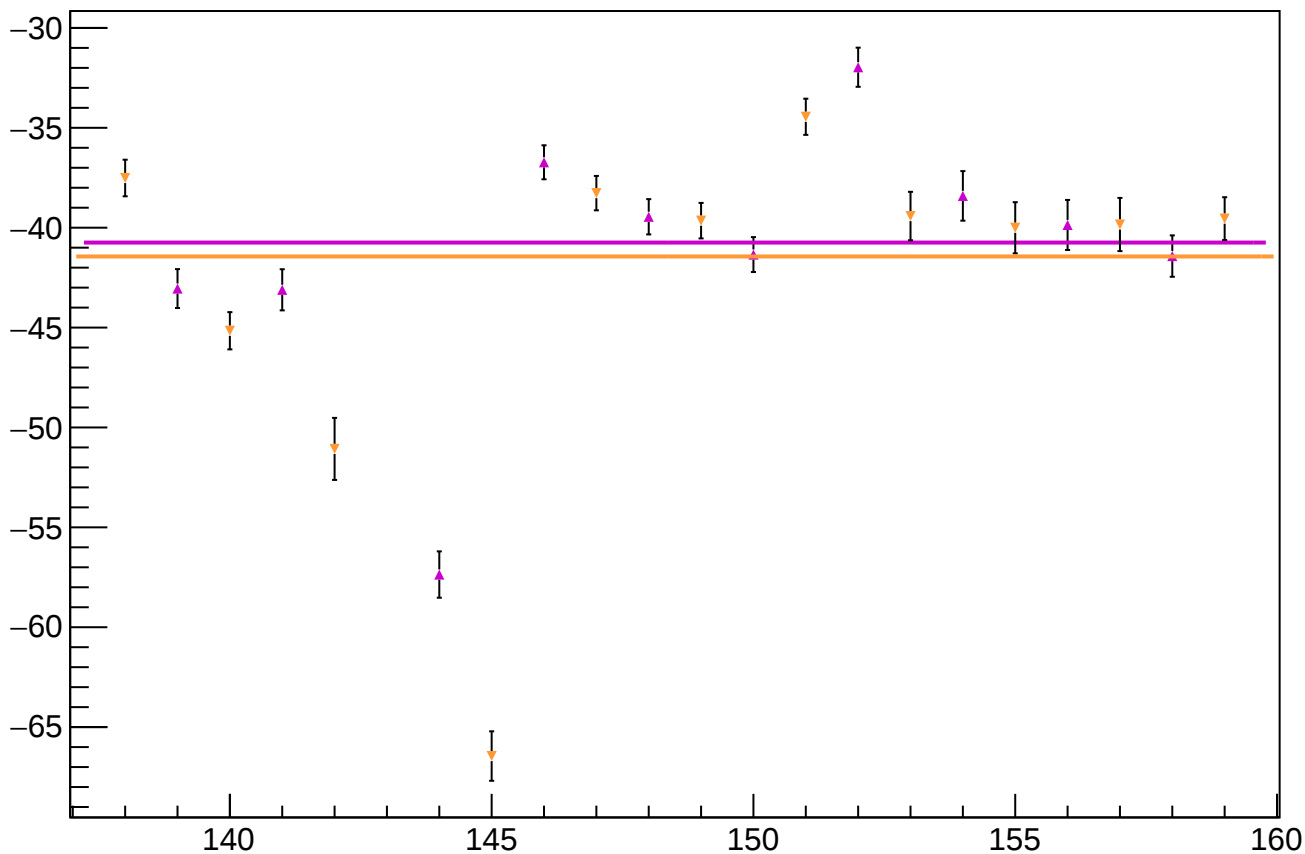
Right Out: -20.928 ± 0.016 $\chi^2/\text{NDF}: 94015.9/18$

Left In: -21.717 ± 0.012 $\chi^2/\text{NDF}: 94291.4/9$

-21.220 ± 0.010 $\chi^2/\text{NDF}: 152476.6/26$

-21.421 ± 0.010 $\chi^2/\text{NDF}: 189885.1/28$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

Left Out: -41.441+/-0.317 χ^2/NDF : 566.3/10

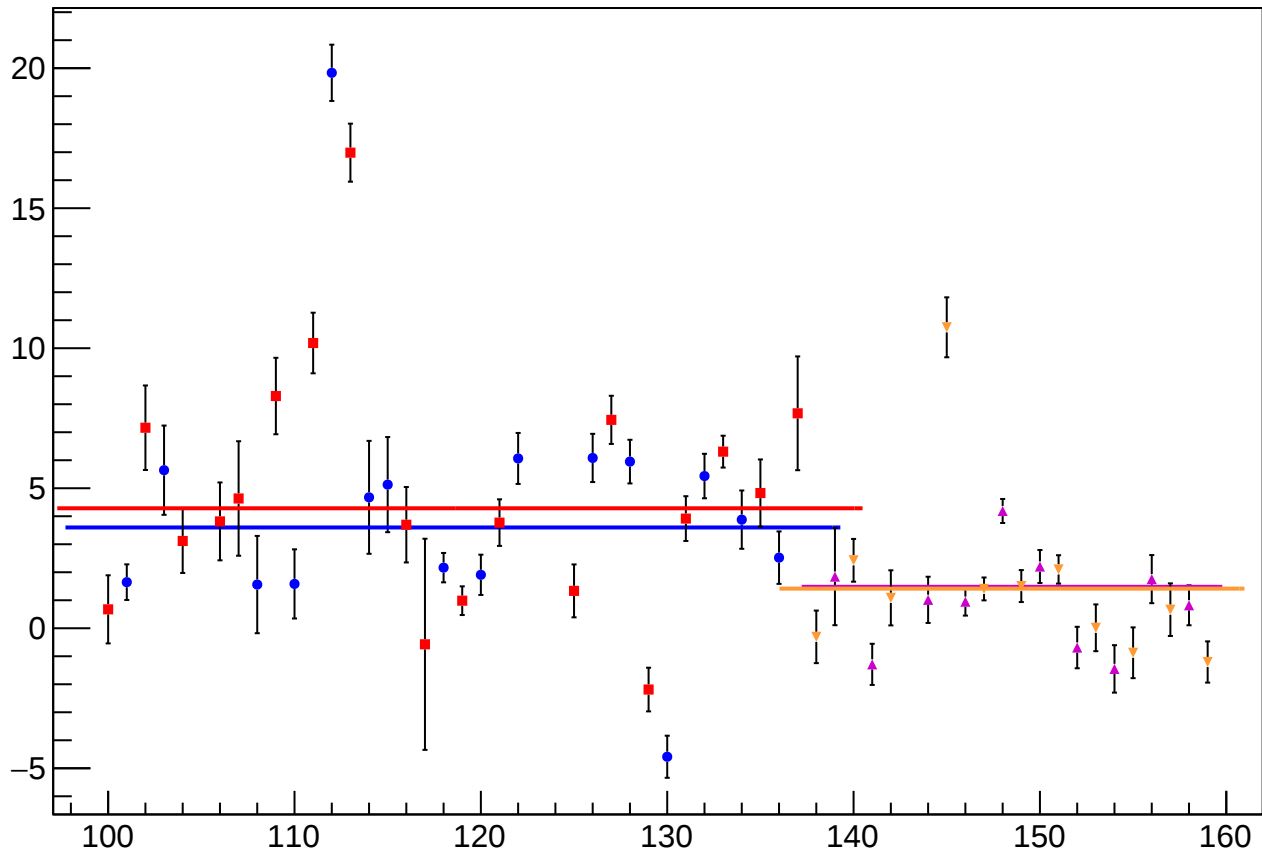
-41.441+/-0.317 χ^2/NDF : 566.3/10

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

-40.744+/-0.317 χ^2/NDF : 325.8/9

Left In: -40.744+/-0.317 χ^2/NDF : 325.8/9

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 440.3/15$

Left Out: 1.415 ± 0.207 $\chi^2/\text{NDF}: 105.6/10$

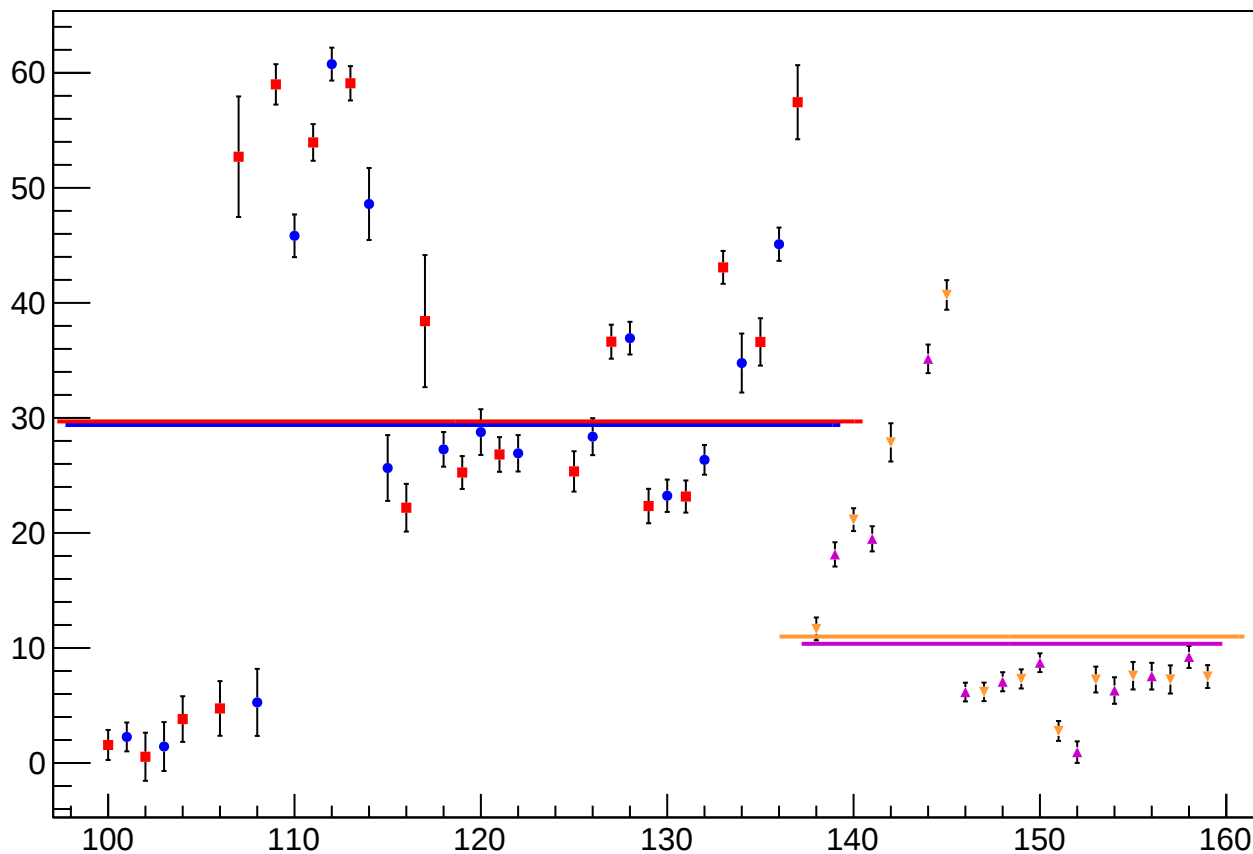
Right Out: 4.284 ± 0.221 $\chi^2/\text{NDF}: 353.8/18$

Left In: 1.480 ± 0.211 $\chi^2/\text{NDF}: 78.6/9$

2.440 ± 0.151 $\chi^2/\text{NDF}: 598.1/26$

2.817 ± 0.152 $\chi^2/\text{NDF}: 517.0/28$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 ± 0.419 χ^2/NDF : 1488.6/15

Left Out: 10.992 ± 0.309 χ^2/NDF : 928.2/10

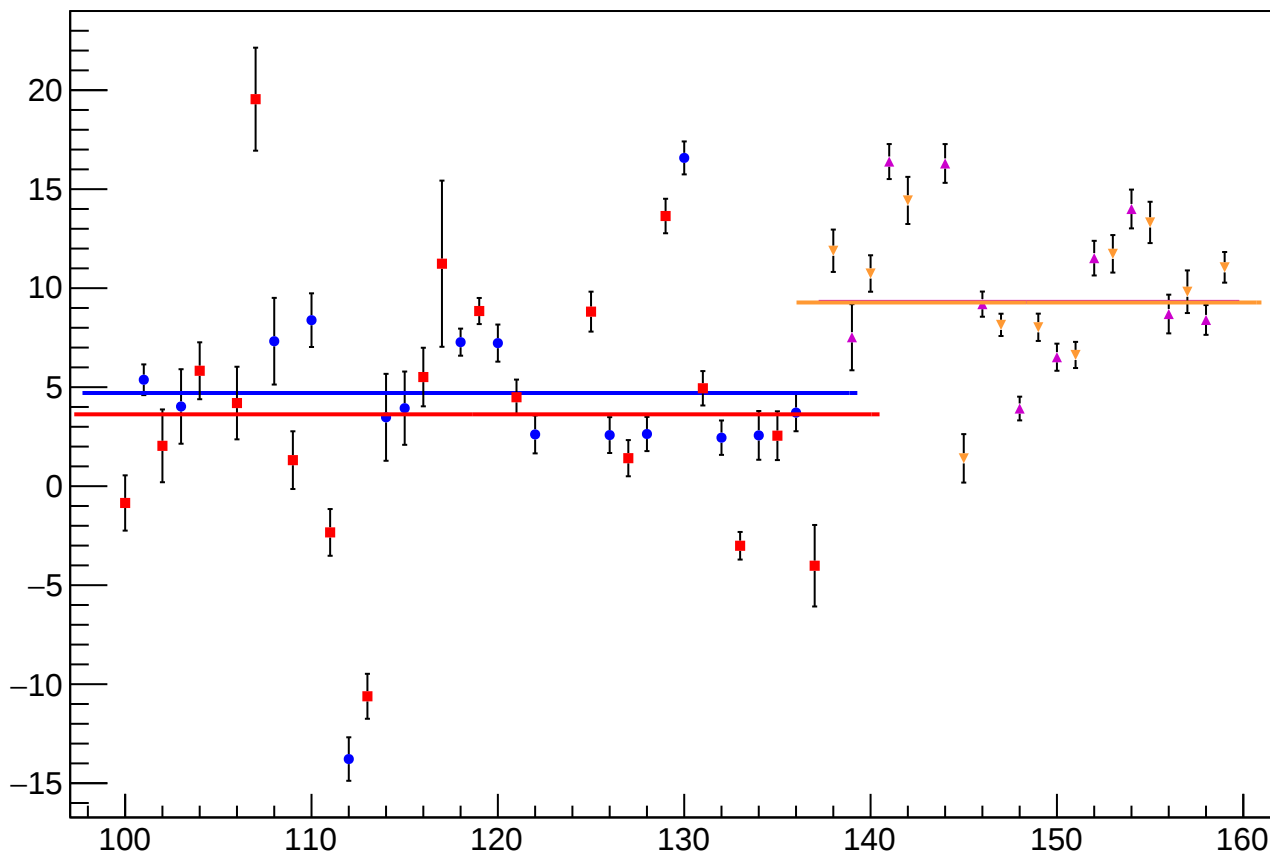
Right Out: 29.695 ± 0.401 χ^2/NDF : 2133.3/18

Left In: 10.363 ± 0.308 χ^2/NDF : 689.7/9

17.459 ± 0.249 χ^2/NDF : 3665.2/26

17.516 ± 0.244 χ^2/NDF : 4284.6/28

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 χ^2/NDF : 545.2/15

Left Out: 9.277 ± 0.254 χ^2/NDF : 119.3/10

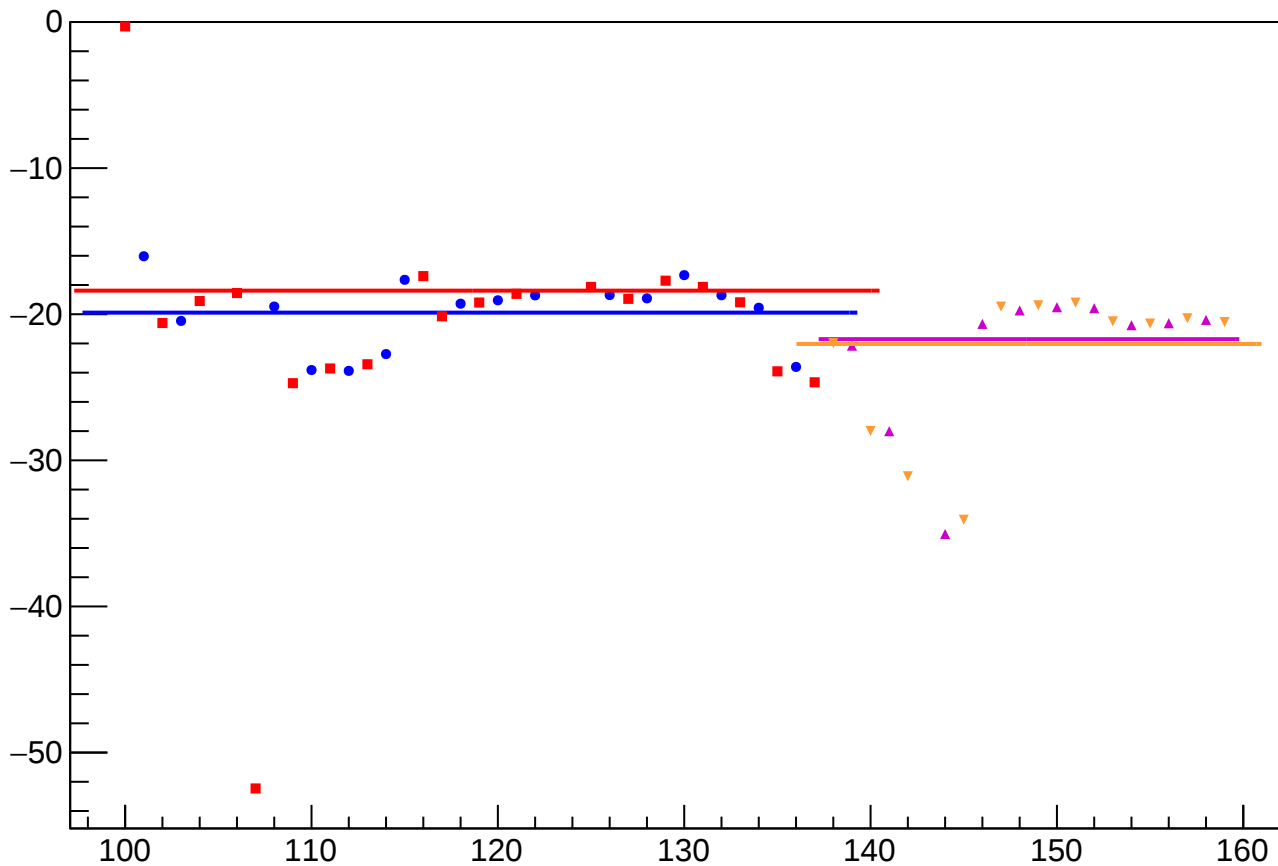
Right Out: 3.629 ± 0.254 χ^2/NDF : 576.7/18

Left In: 9.307 ± 0.256 χ^2/NDF : 245.1/9

6.994 ± 0.179 χ^2/NDF : 826.7/26

6.440 ± 0.180 χ^2/NDF : 1070.0/28

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 χ^2/NDF : 26044.4/15

Left Out: -22.033 ± 0.012 χ^2/NDF : 114985.7/10

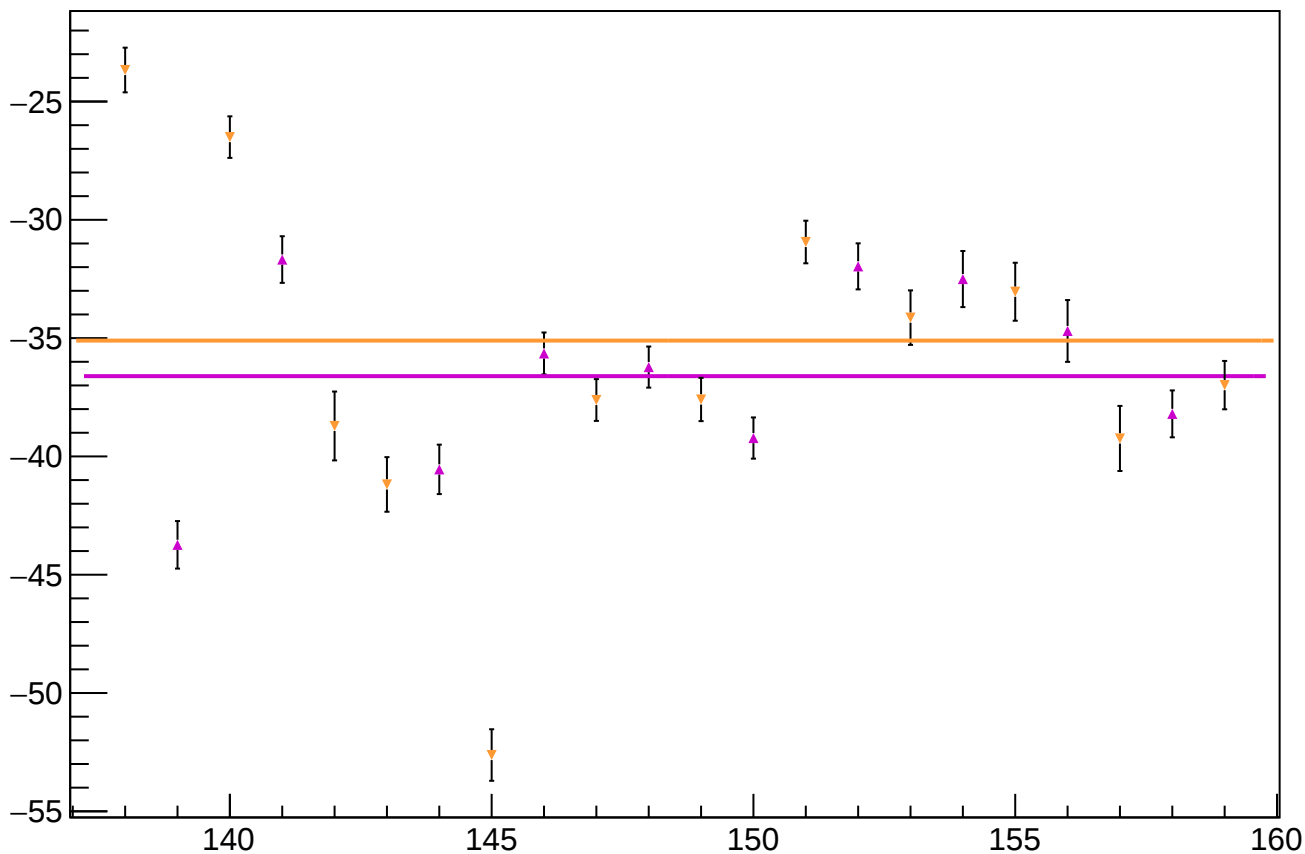
Right Out: -18.386 ± 0.015 χ^2/NDF : 301044.3/18

Left In: -21.706 ± 0.012 χ^2/NDF : 94238.5/9

-21.210 ± 0.010 χ^2/NDF : 152594.7/26

-20.359 ± 0.009 χ^2/NDF : 425509.3/28

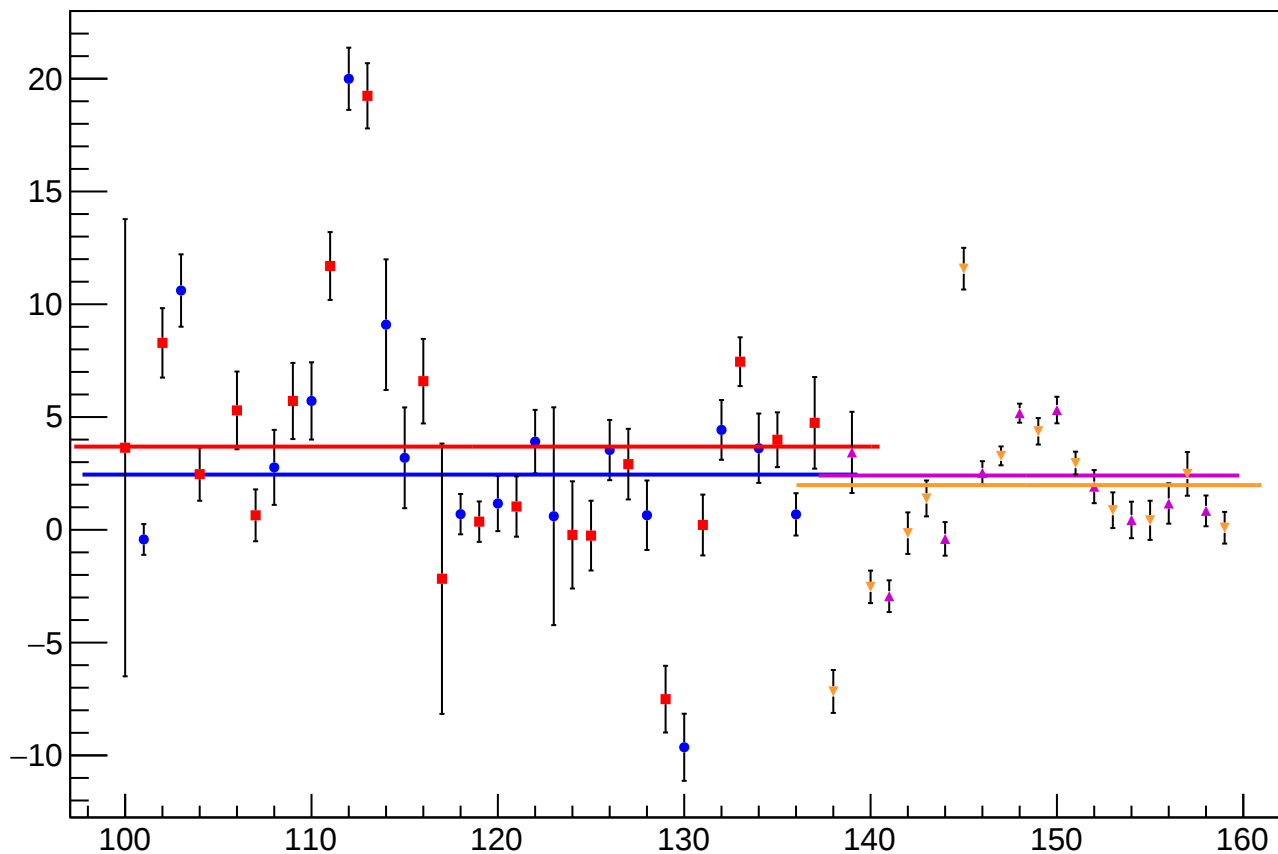
reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: -35.104+/-0.300 χ^2/NDF : 588.0/11
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: -36.607+/-0.313 χ^2/NDF : 139.5/9

-35.104+/-0.300 χ^2/NDF : 588.0/11
-36.607+/-0.313 χ^2/NDF : 139.5/9

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 $\pm$ 0.314 χ^2 /NDF: 295.3/16

Left Out: 1.981 $\pm$ 0.198 χ^2 /NDF: 288.1/11

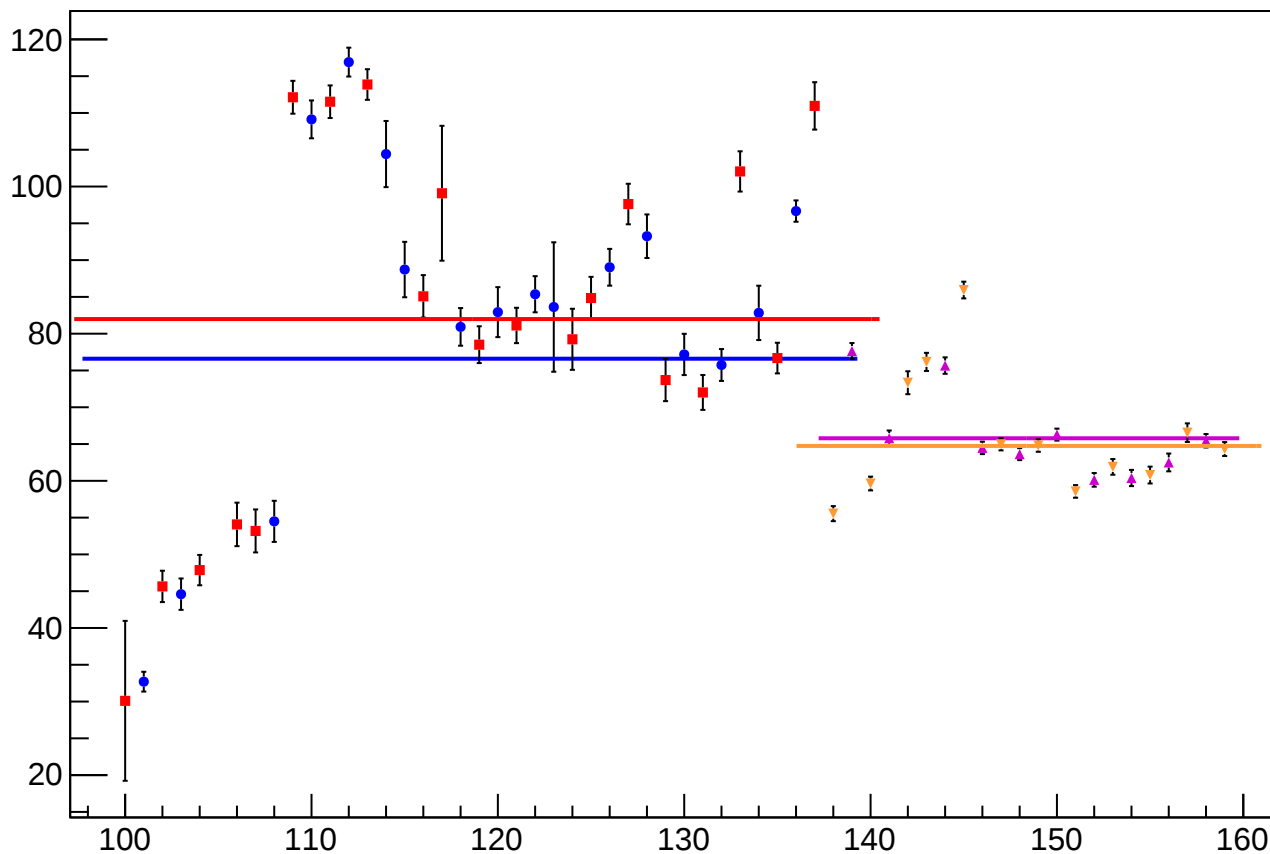
Right Out: 3.690 $\pm$ 0.326 χ^2 /NDF: 270.4/19

Left In: 2.408 $\pm$ 0.208 χ^2 /NDF: 153.5/9

2.114 $\pm$ 0.168 χ^2 /NDF: 585.0/28

2.778 $\pm$ 0.175 χ^2 /NDF: 434.9/29

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 $\pm$ 0.576 χ^2/NDF : 2255.1/16

Left Out: 64.743 $\pm$ 0.295 χ^2/NDF : 647.2/11

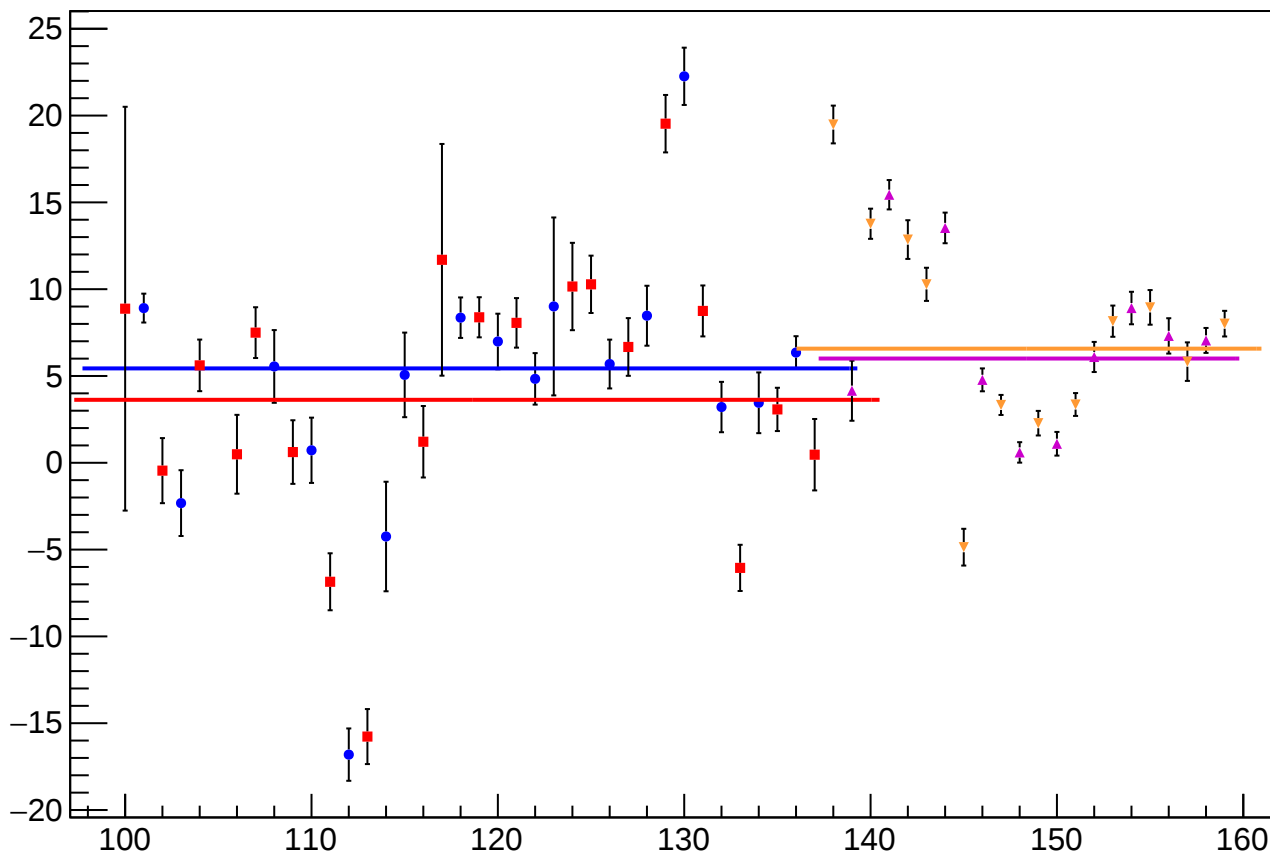
Right Out: 81.987 $\pm$ 0.591 χ^2/NDF : 1574.2/19

Left In: 65.784 $\pm$ 0.304 χ^2/NDF : 274.8/9

67.203 $\pm$ 0.262 χ^2/NDF : 3238.0/28

69.175 $\pm$ 0.270 χ^2/NDF : 2443.7/29

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 ± 0.360 χ^2/NDF : 387.2/16

Left Out: 6.575 ± 0.241 χ^2/NDF : 478.2/11

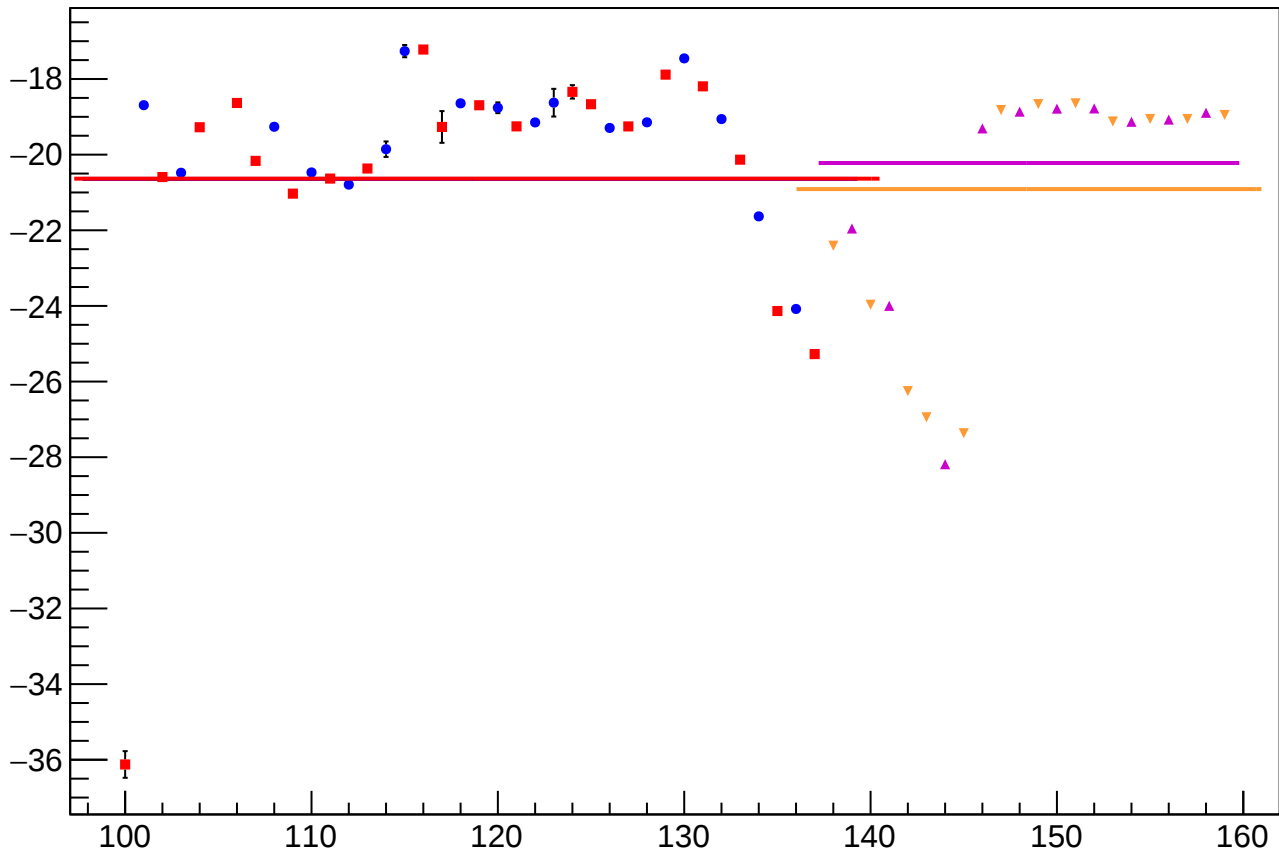
Right Out: 3.628 ± 0.374 χ^2/NDF : 424.8/19

Left In: 6.005 ± 0.252 χ^2/NDF : 351.1/9

6.222 ± 0.201 χ^2/NDF : 872.3/28

5.263 ± 0.209 χ^2/NDF : 803.6/29

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -20.911 ± 0.012 $\chi^2/\text{NDF}: 69650.5/11$

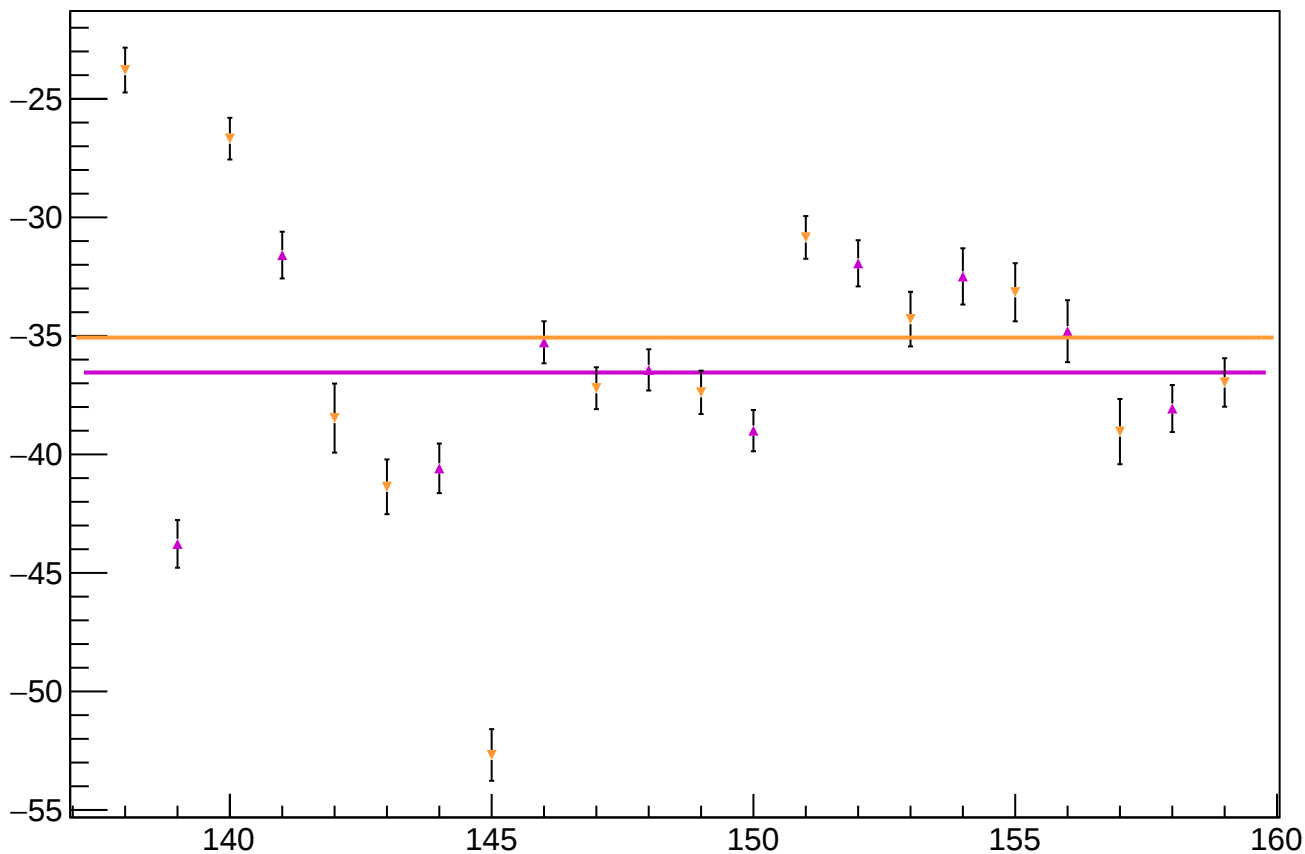
Right Out: -20.635 ± 0.019 $\chi^2/\text{NDF}: 13794.0/19$

Left In: -20.221 ± 0.012 $\chi^2/\text{NDF}: 45075.1/9$

-20.838 ± 0.010 $\chi^2/\text{NDF}: 82223.1/28$

-20.336 ± 0.010 $\chi^2/\text{NDF}: 59197.5/29$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -35.070+/-0.300 χ^2/NDF : 578.9/11

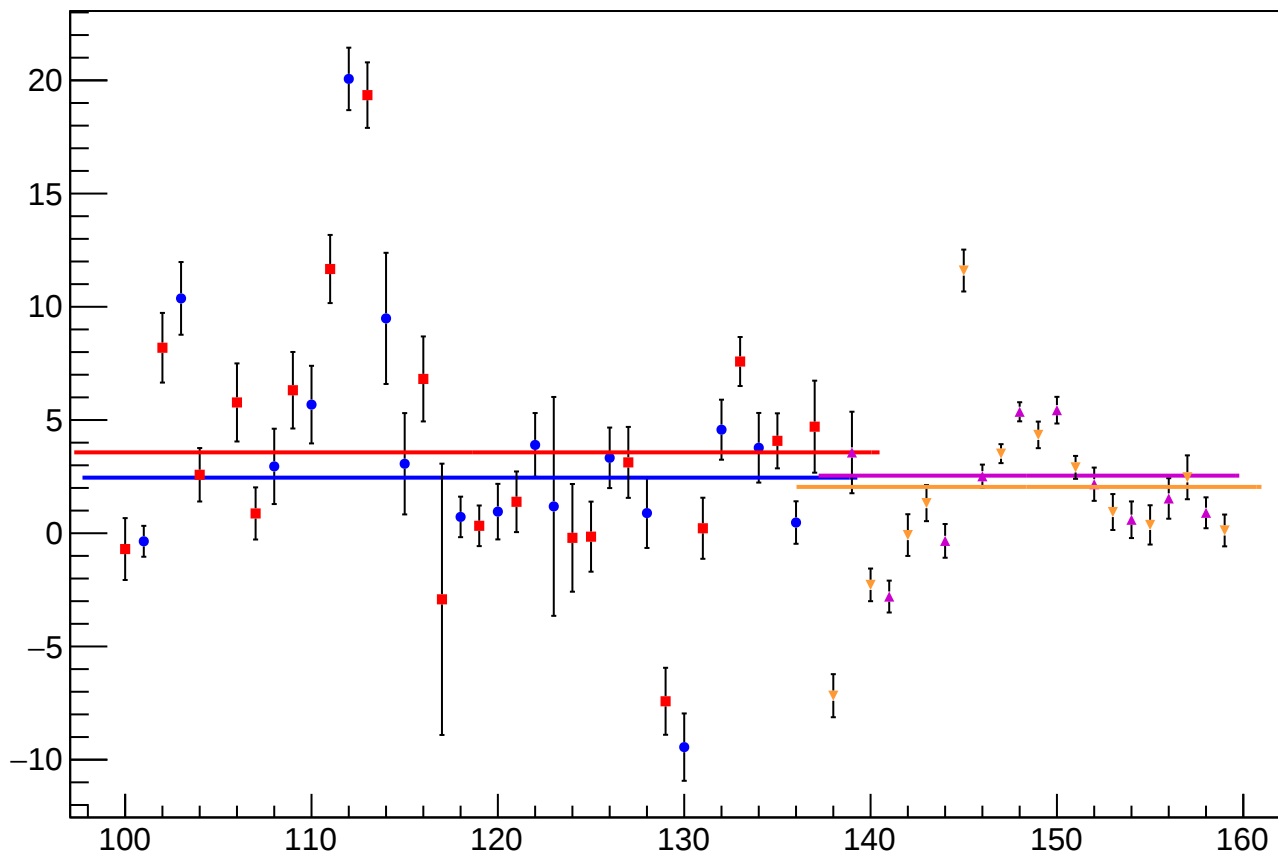
-35.070+/-0.300 χ^2/NDF : 578.9/11

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

-36.545+/-0.313 χ^2/NDF : 140.1/9

Left In: -36.545+/-0.313 χ^2/NDF : 140.1/9

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 2.046 ± 0.198 χ^2/NDF : 286.8/11

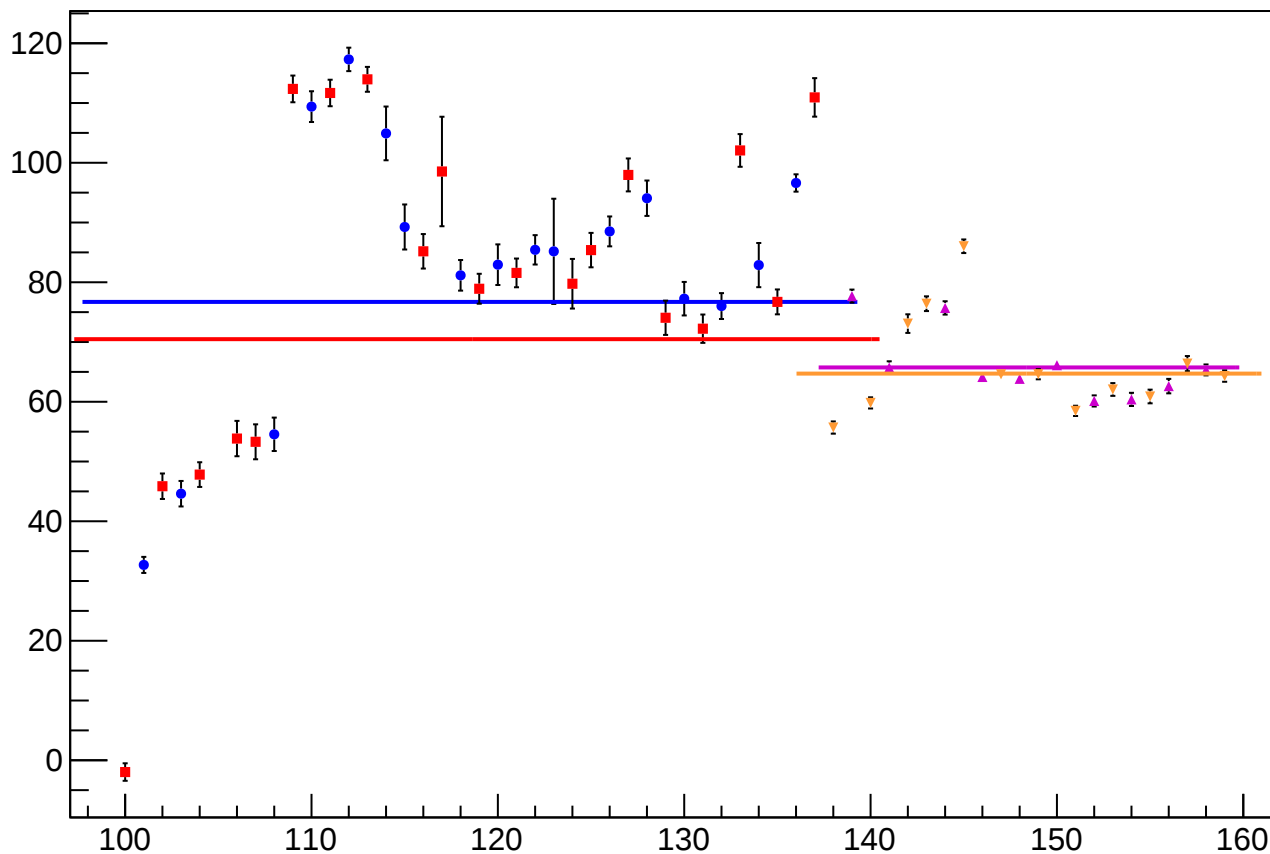
Right Out: 3.571 ± 0.317 χ^2/NDF : 281.0/19

Left In: 2.544 ± 0.208 χ^2/NDF : 154.9/9

2.163 ± 0.168 χ^2/NDF : 581.5/28

2.852 ± 0.174 χ^2/NDF : 443.2/29

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713 ± 0.576 χ^2/NDF : 2266.6/16

Left Out: 64.714 ± 0.295 χ^2/NDF : 646.7/11

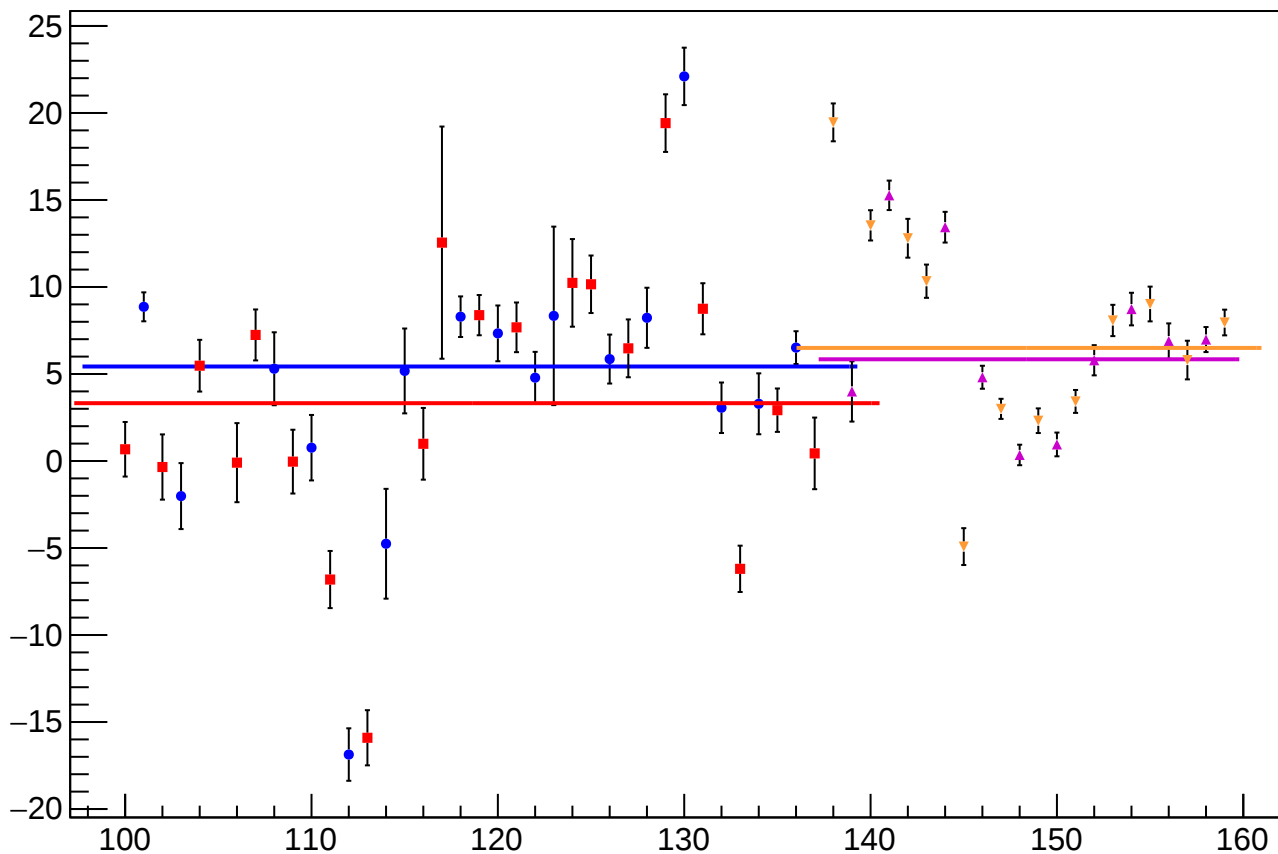
Right Out: 70.477 ± 0.549 χ^2/NDF : 4400.1/19

Left In: 65.745 ± 0.304 χ^2/NDF : 275.4/9

67.203 ± 0.263 χ^2/NDF : 3256.8/28

66.857 ± 0.266 χ^2/NDF : 4732.3/29

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 6.498 ± 0.242 $\chi^2/\text{NDF}: 478.8/11$

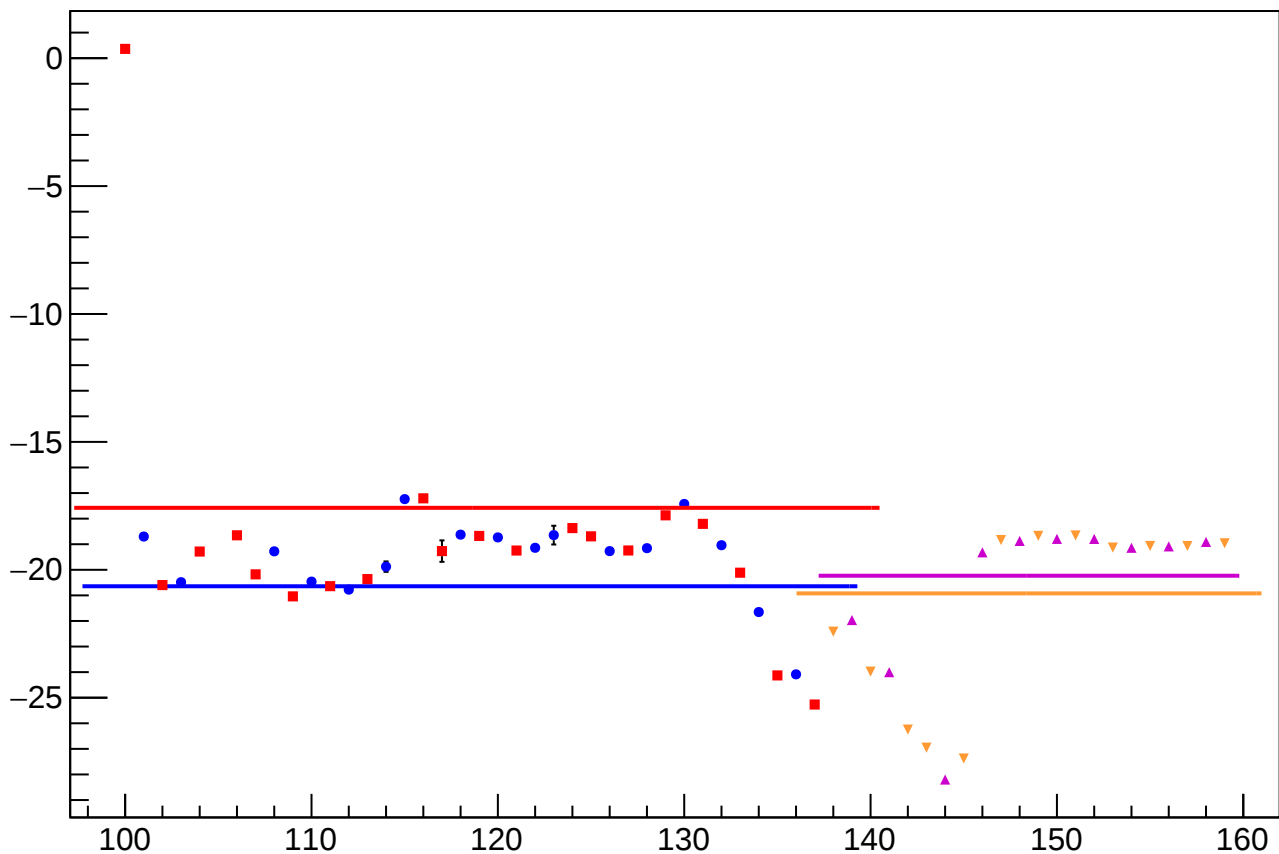
Right Out: 3.323 ± 0.365 $\chi^2/\text{NDF}: 428.0/19$

Left In: 5.845 ± 0.252 $\chi^2/\text{NDF}: 352.8/9$

6.168 ± 0.201 $\chi^2/\text{NDF}: 870.8/28$

5.028 ± 0.208 $\chi^2/\text{NDF}: 813.2/29$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -20.921 ± 0.012 $\chi^2/\text{NDF}: 69484.0/11$

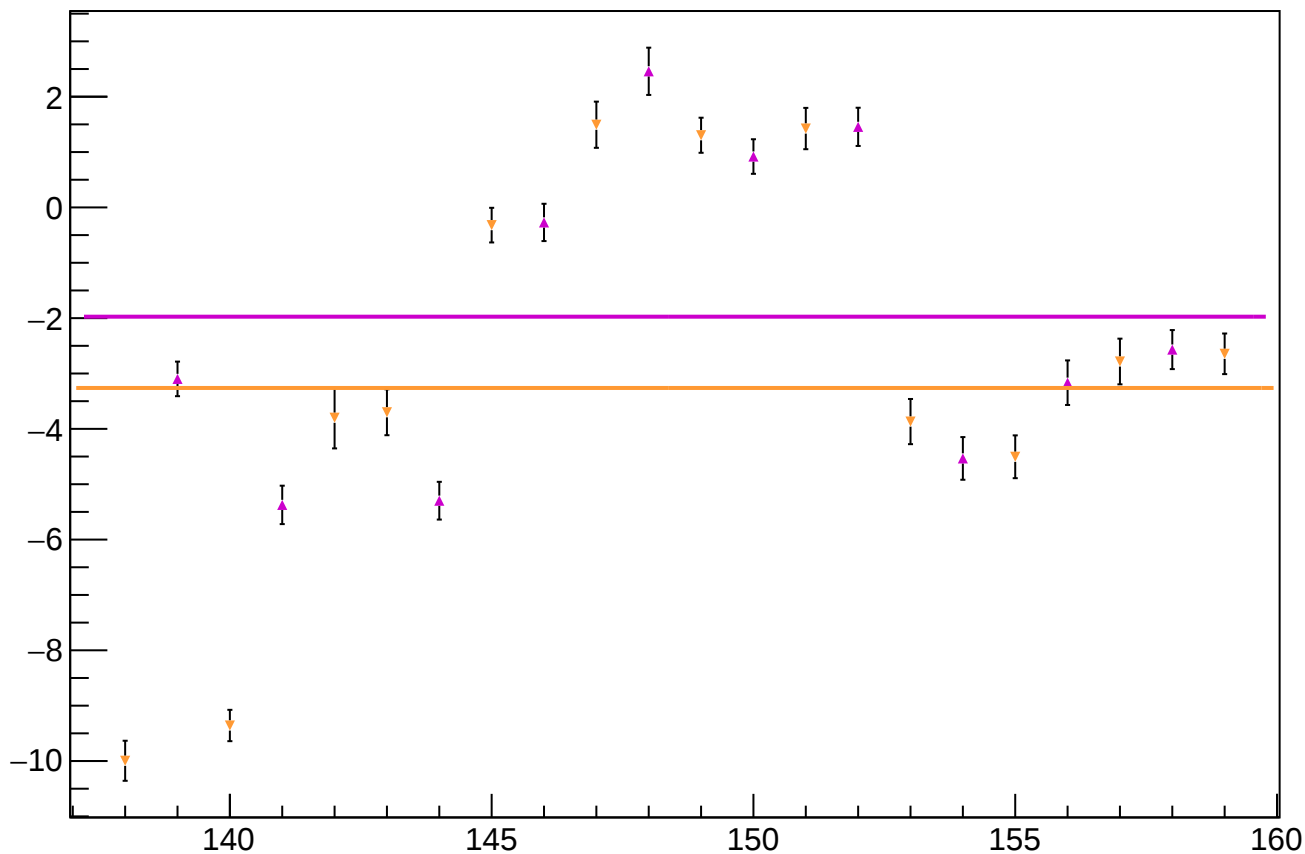
Right Out: -17.577 ± 0.018 $\chi^2/\text{NDF}: 178343.3/19$

Left In: -20.232 ± 0.012 $\chi^2/\text{NDF}: 45004.2/9$

-20.846 ± 0.010 $\chi^2/\text{NDF}: 82103.3/28$

-19.412 ± 0.010 $\chi^2/\text{NDF}: 238355.8/29$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug

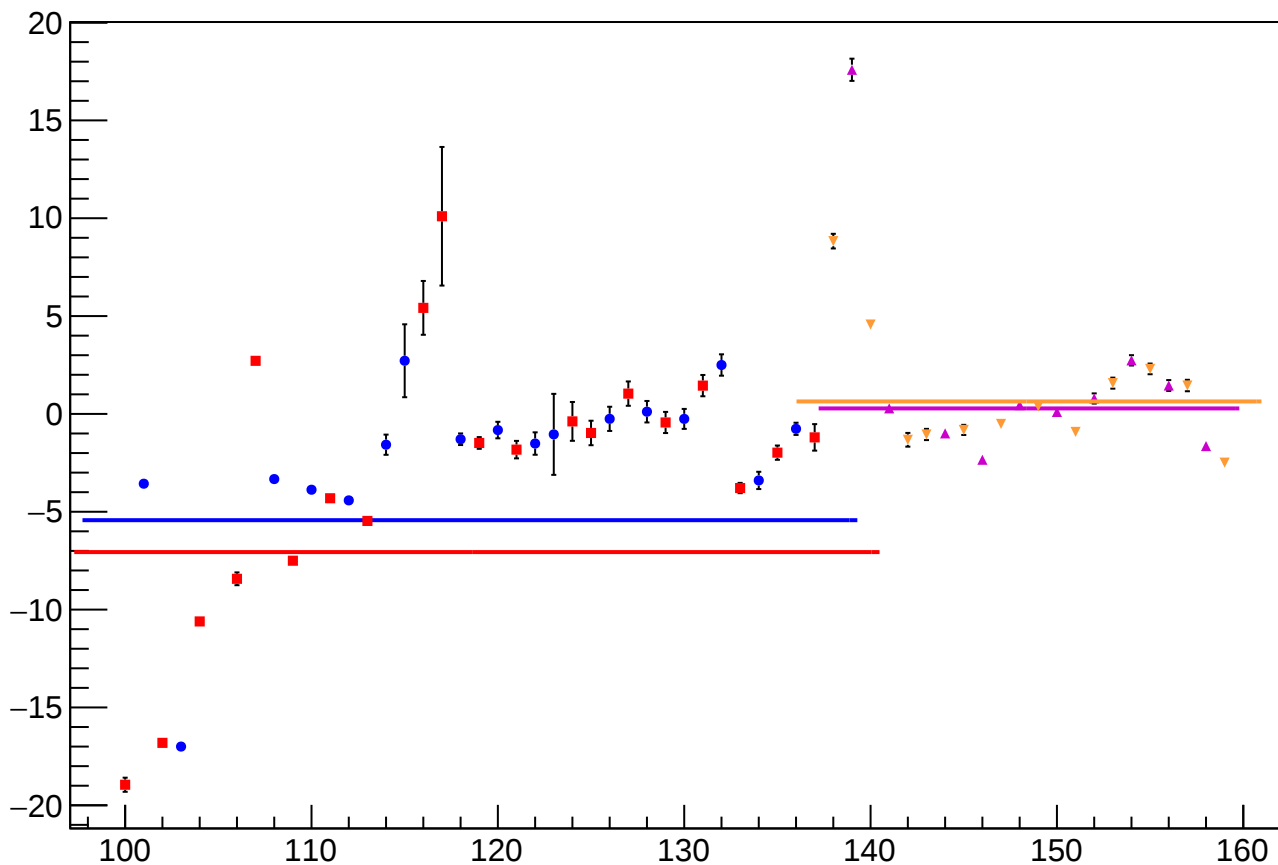


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: -3.261+/-0.106 χ^2/NDF : 1413.3/11
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: -1.974+/-0.111 χ^2/NDF : 577.6/9

-3.261+/-0.106 χ^2/NDF : 1413.3/11

-1.974+/-0.111 χ^2/NDF : 577.6/9

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431 ± 0.055 χ^2/NDF : 9233.8/16

Left Out: 0.637 ± 0.074 χ^2/NDF : 1147.8/11

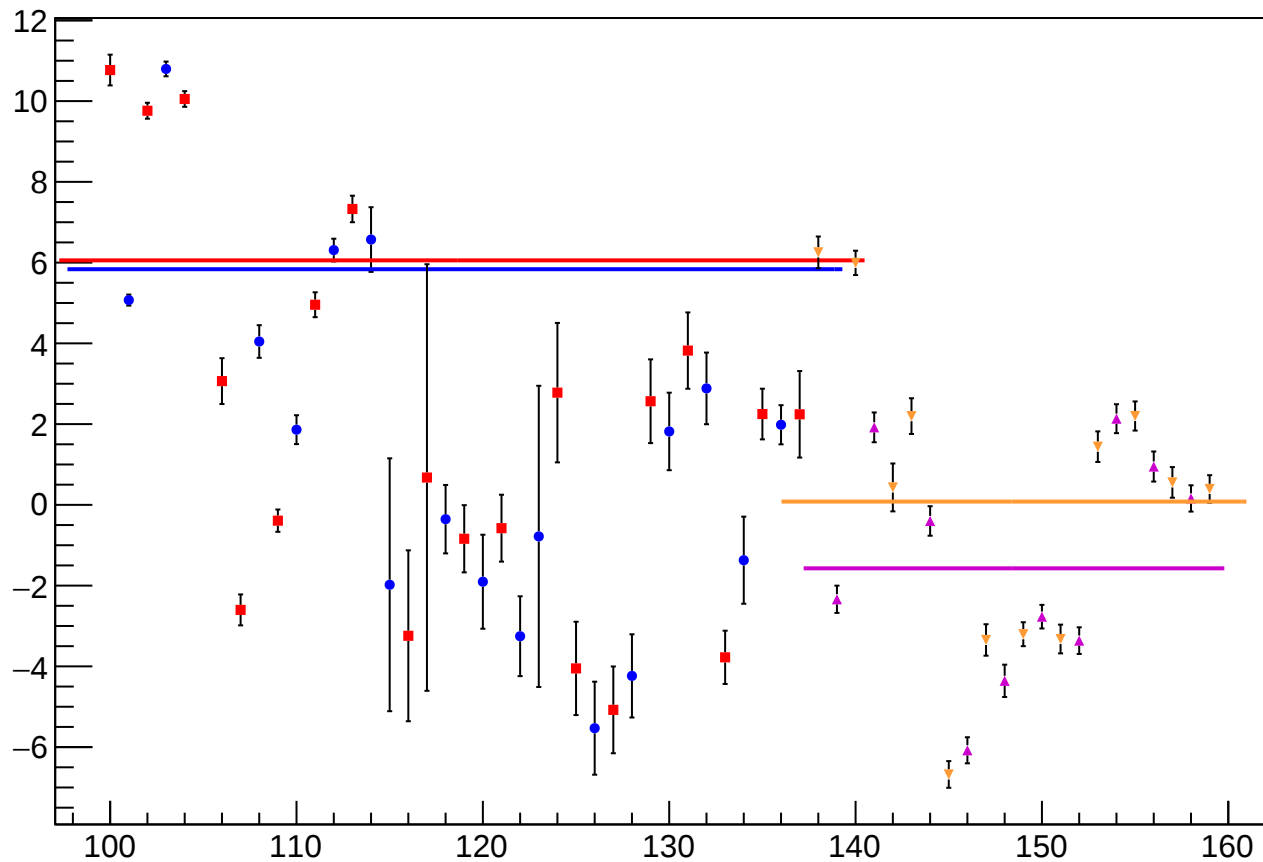
Right Out: -7.061 ± 0.059 χ^2/NDF : 12330.1/19

Left In: 0.280 ± 0.079 χ^2/NDF : 1280.9/9

-3.279 ± 0.044 χ^2/NDF : 14718.6/28

-4.416 ± 0.047 χ^2/NDF : 19185.0/29

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 ± 0.090 χ^2/NDF : 1440.9/16

Left Out: 0.081 ± 0.105 χ^2/NDF : 1414.8/11

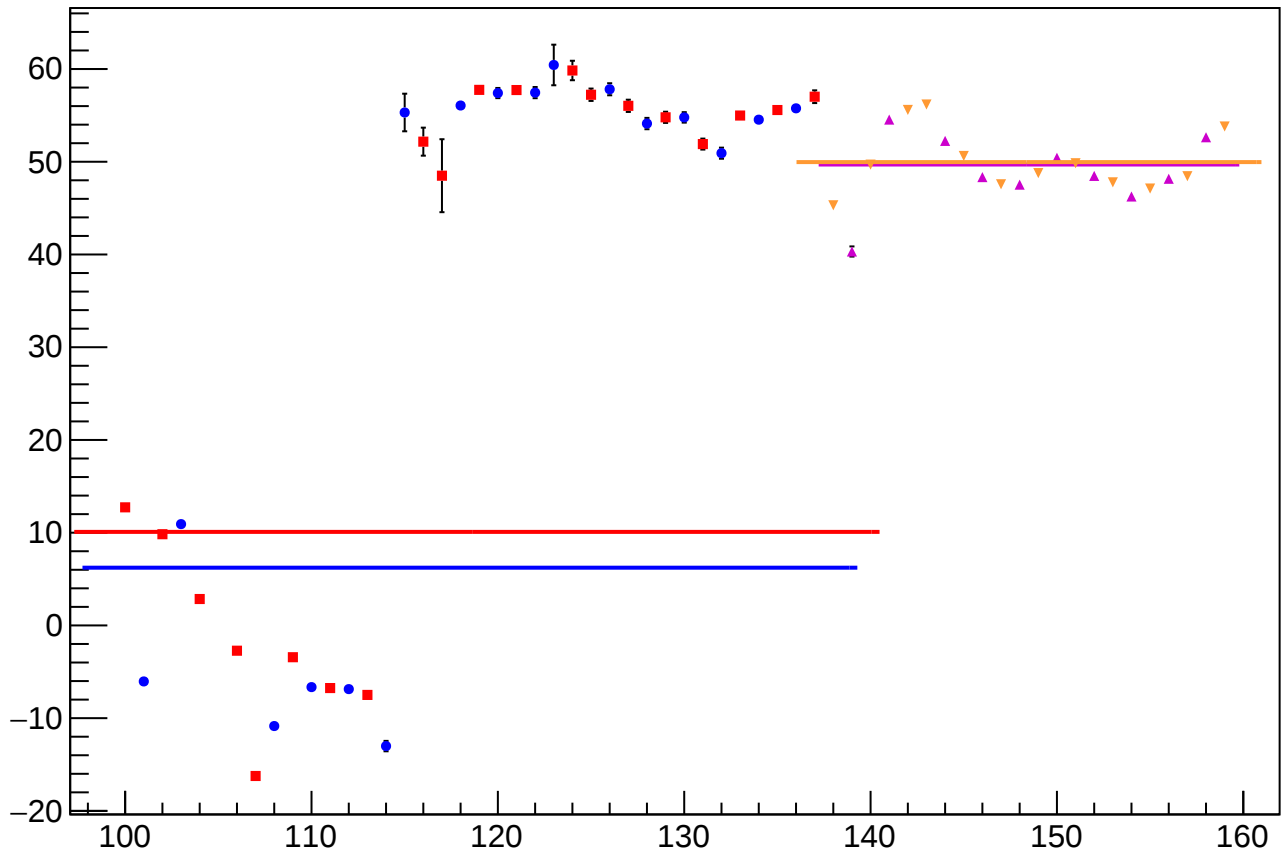
Right Out: 6.056 ± 0.093 χ^2/NDF : 2669.9/19

Left In: -1.572 ± 0.109 χ^2/NDF : 575.5/9

3.410 ± 0.068 χ^2/NDF : 4593.0/28

2.817 ± 0.071 χ^2/NDF : 6082.8/29

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 $\pm$ 0.065 χ^2 /NDF: 120955.1/16

Left Out: 49.963 $\pm$ 0.088 χ^2 /NDF:1086.0/11

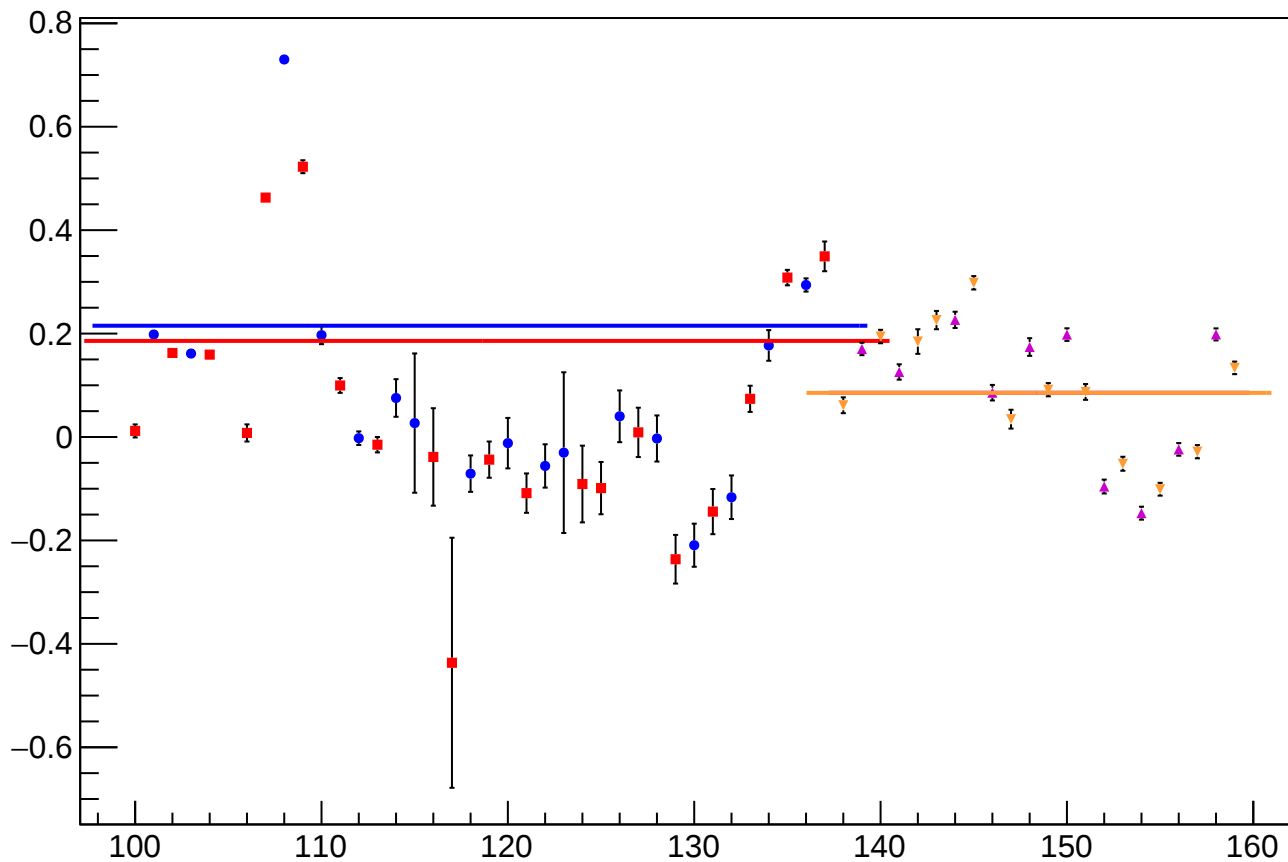
21.562 $\pm$ 0.052 χ^2 /NDF: 281636.1/28

Right Out: 10.087 $\pm$ 0.070 χ^2 /NDF: 122144.7/19

24.357 $\pm$ 0.056 χ^2 /NDF: 239448.6/29

Left In: 49.702 $\pm$ 0.093 χ^2 /NDF:1025.4/9

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 ± 0.003 $\chi^2/\text{NDF}: 3925.9/16$

Left Out: 0.085 ± 0.004 $\chi^2/\text{NDF}: 852.6/11$

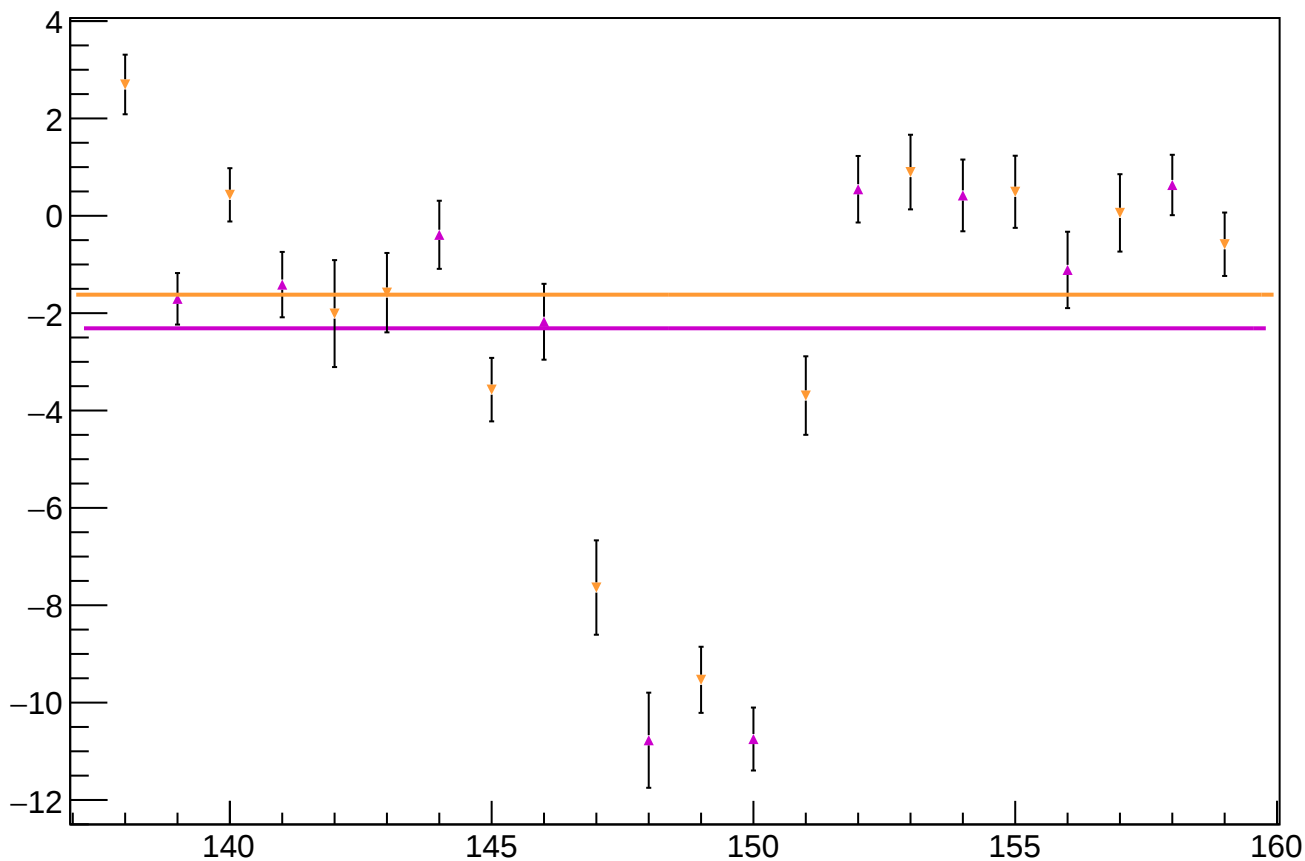
Right Out: 0.186 ± 0.003 $\chi^2/\text{NDF}: 2724.7/19$

Left In: 0.086 ± 0.004 $\chi^2/\text{NDF}: 948.8/9$

0.175 ± 0.002 $\chi^2/\text{NDF}: 5464.1/28$

0.157 ± 0.002 $\chi^2/\text{NDF}: 4073.5/29$

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



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

Left Out: -1.620+/-0.209 χ^2/NDF : 279.7/11

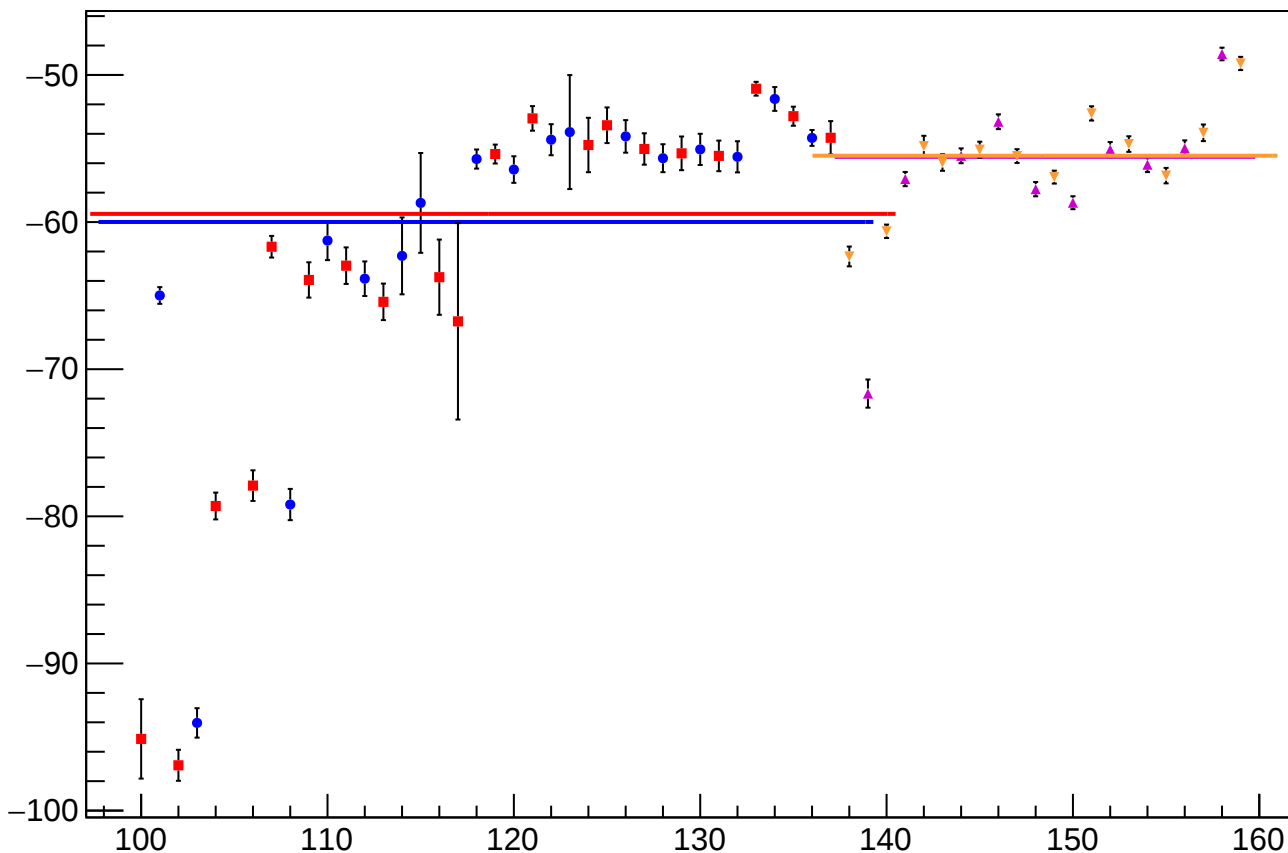
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2.311+/-0.218 χ^2/NDF : 312.0/9

-1.620+/-0.209 χ^2/NDF : 279.7/11

-2.311+/-0.218 χ^2/NDF : 312.0/9

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 ± 0.225 $\chi^2/\text{NDF}: 1972.9/16$

Left Out: -55.489 ± 0.149 $\chi^2/\text{NDF}: 488.5/11$

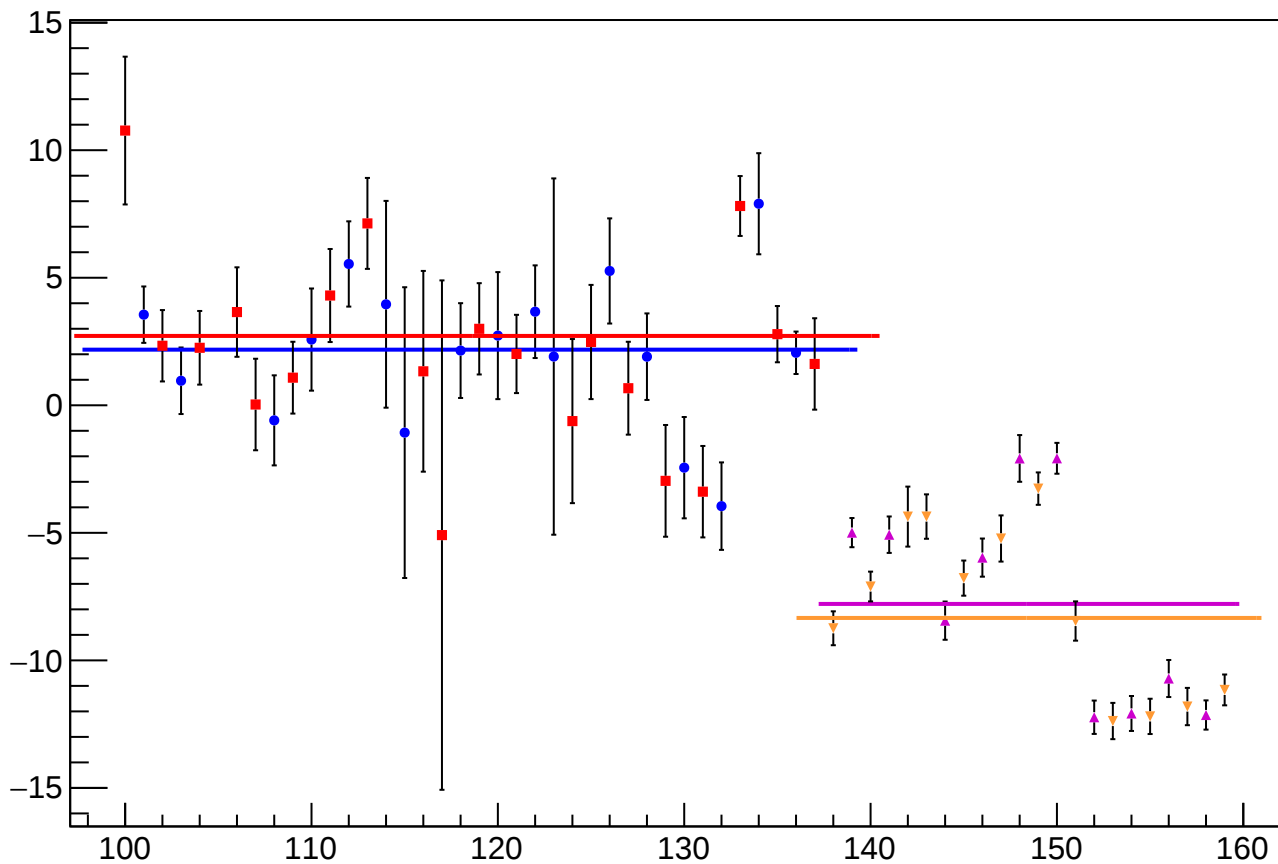
Right Out: -59.442 ± 0.212 $\chi^2/\text{NDF}: 2919.1/19$

Left In: -55.566 ± 0.160 $\chi^2/\text{NDF}: 654.3/9$

-56.868 ± 0.124 $\chi^2/\text{NDF}: 2739.4/28$

-56.971 ± 0.128 $\chi^2/\text{NDF}: 3786.9/29$

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -8.337 ± 0.207 $\chi^2/\text{NDF}: 225.6/11$

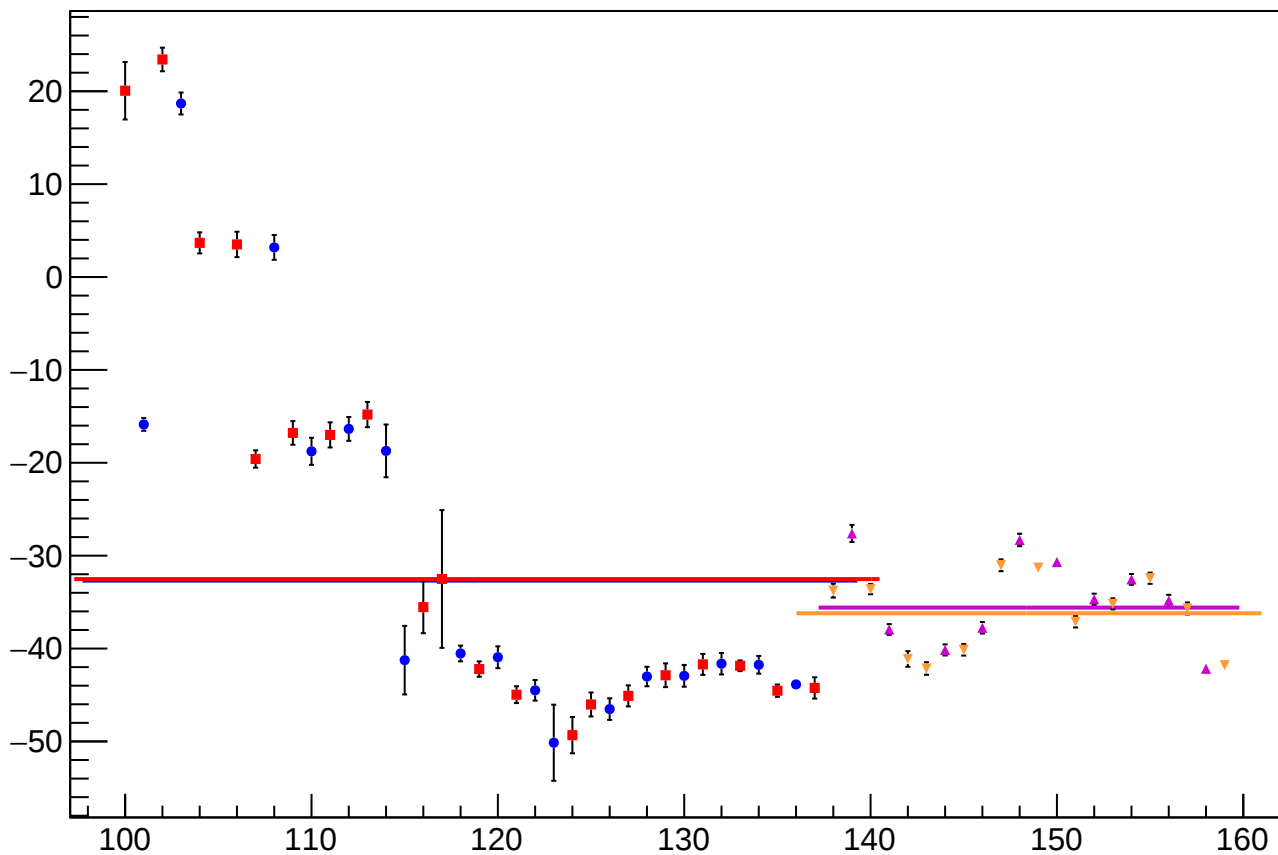
Right Out: 2.719 ± 0.388 $\chi^2/\text{NDF}: 59.5/19$

Left In: -7.787 ± 0.214 $\chi^2/\text{NDF}: 332.3/9$

-6.170 ± 0.184 $\chi^2/\text{NDF}: 798.4/28$

-5.341 ± 0.187 $\chi^2/\text{NDF}: 955.3/29$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -36.200 ± 0.176 $\chi^2/\text{NDF}: 520.4/11$

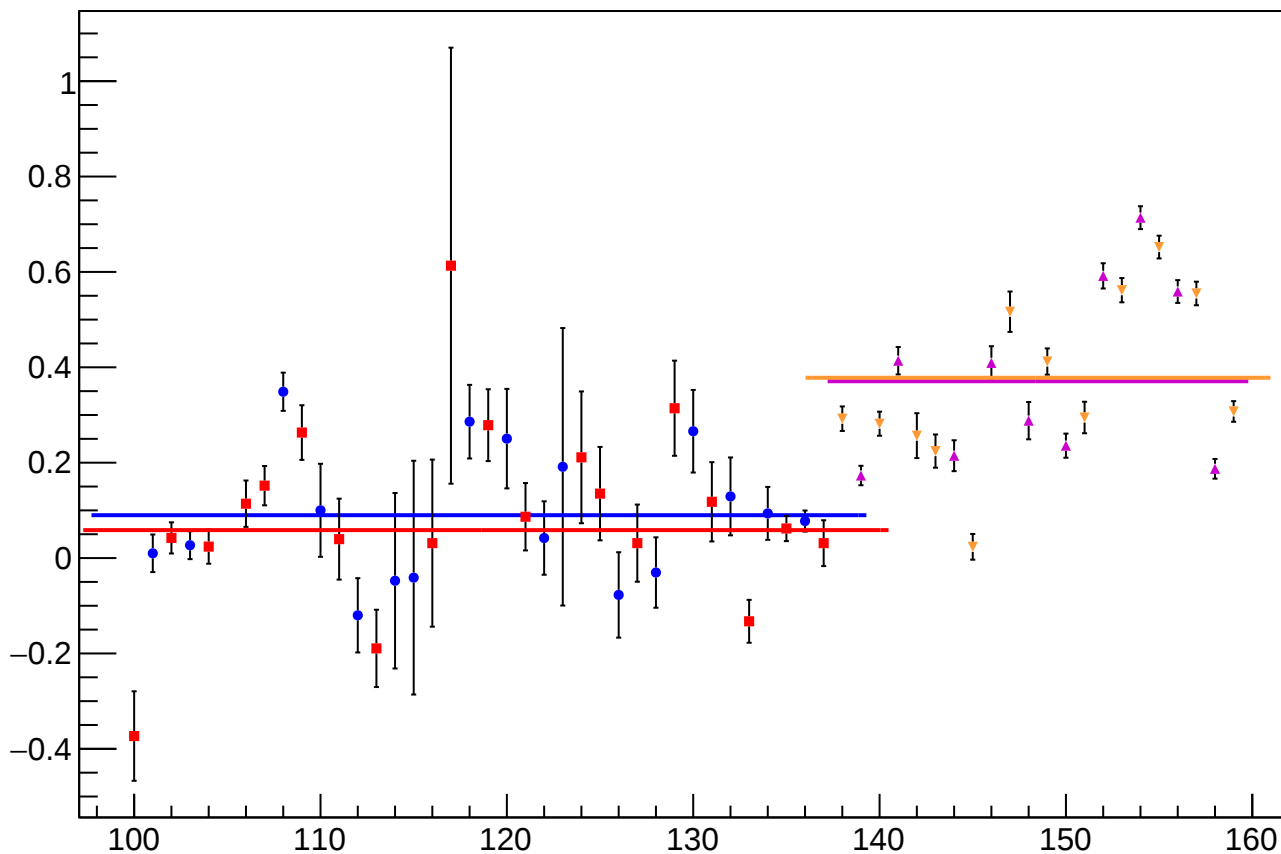
Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

Left In: -35.591 ± 0.186 $\chi^2/\text{NDF}: 617.1/9$

-35.070 ± 0.145 $\chi^2/\text{NDF}: 5295.7/28$

-34.462 ± 0.148 $\chi^2/\text{NDF}: 6762.5/29$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 ± 0.013 $\chi^2/\text{NDF}: 78.8/16$

Left Out: 0.378 ± 0.008 $\chi^2/\text{NDF}: 489.4/11$

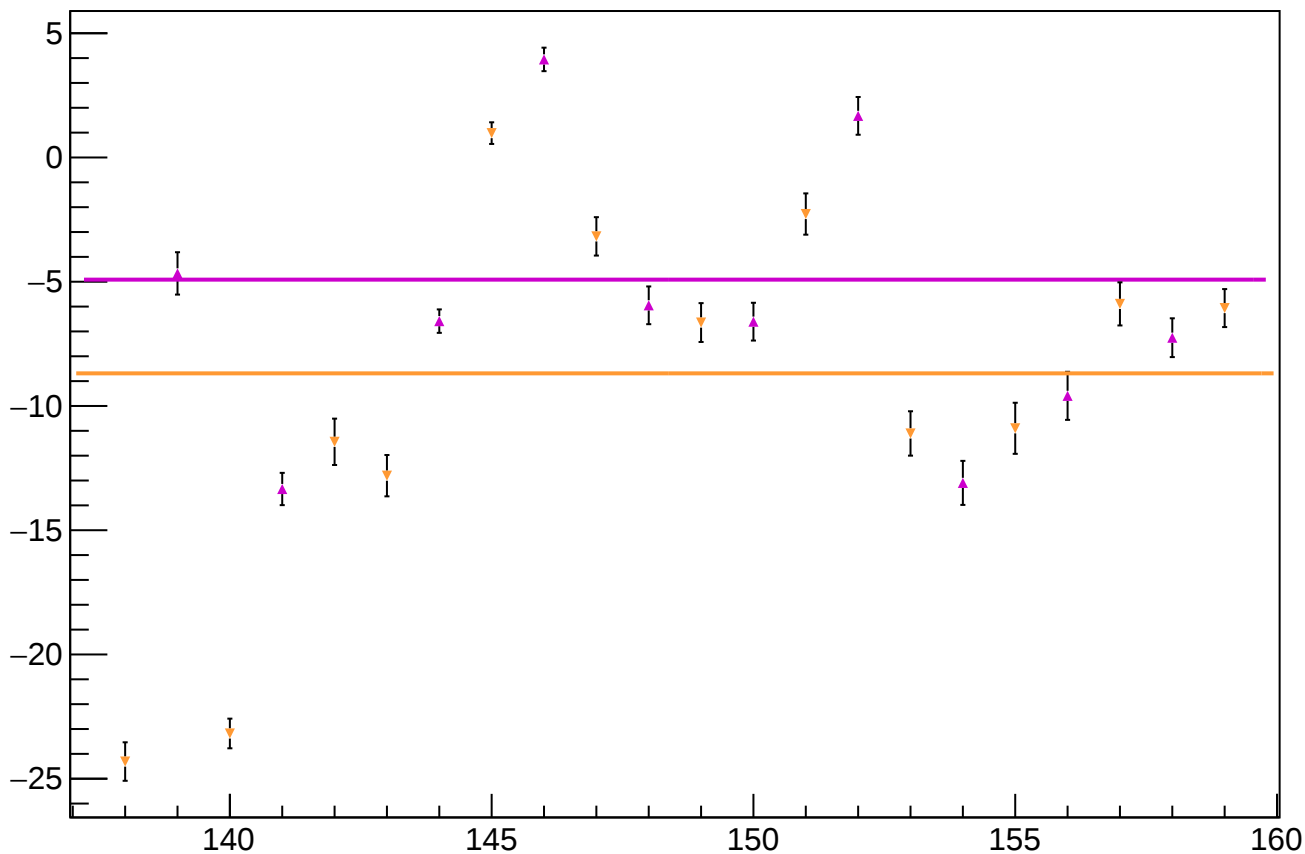
Right Out: 0.059 ± 0.012 $\chi^2/\text{NDF}: 88.6/19$

Left In: 0.371 ± 0.008 $\chi^2/\text{NDF}: 569.5/9$

0.297 ± 0.007 $\chi^2/\text{NDF}: 934.9/28$

0.273 ± 0.007 $\chi^2/\text{NDF}: 1111.0/29$

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



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

Left Out: -8.687+/-0.212 χ^2/NDF : 1672.8/11

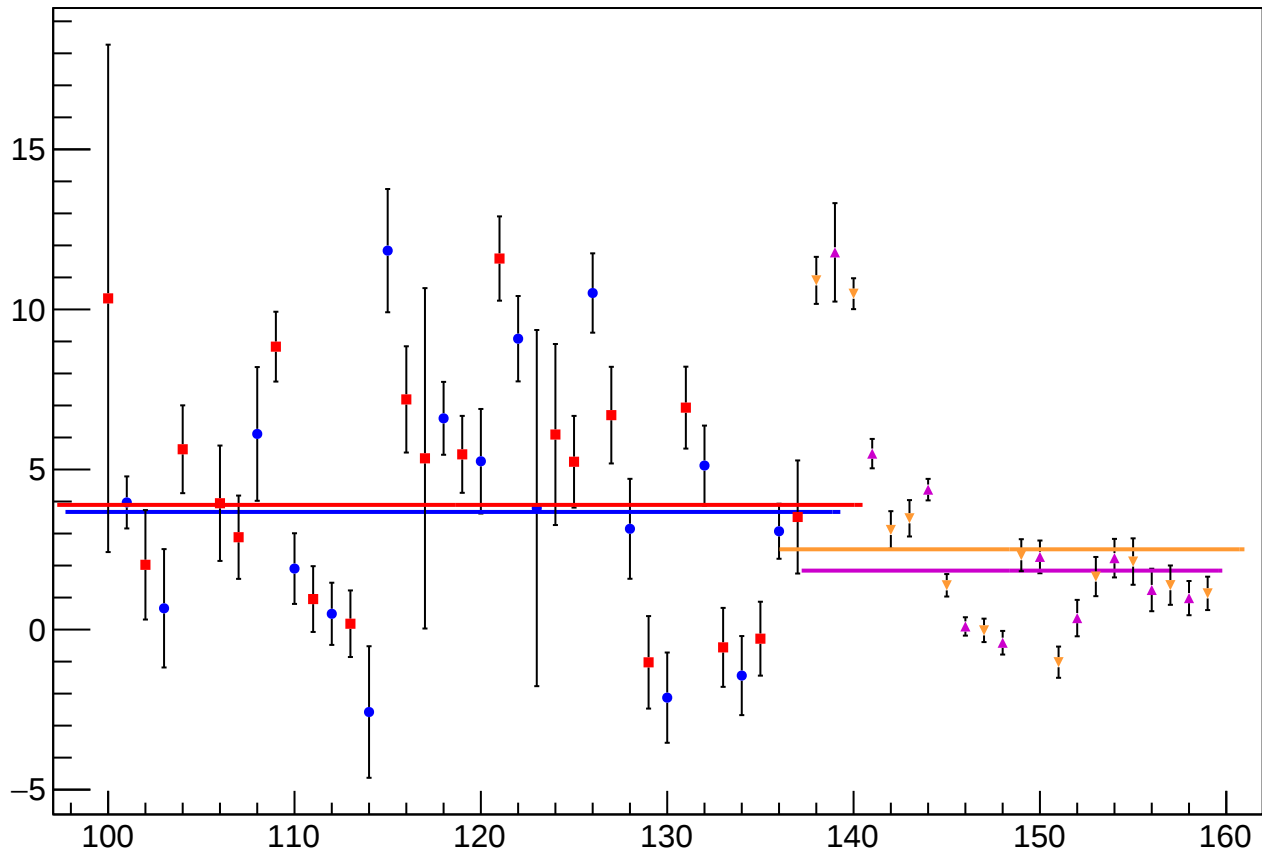
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -4.916+/-0.214 χ^2/NDF : 732.3/9

-8.687+/-0.212 χ^2/NDF : 1672.8/11

-4.916+/-0.214 χ^2/NDF : 732.3/9

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.675 $\pm$ 0.310 χ^2 /NDF: 135.2/16

Left Out: 2.507 $\pm$ 0.146 χ^2 /NDF: 531.7/11

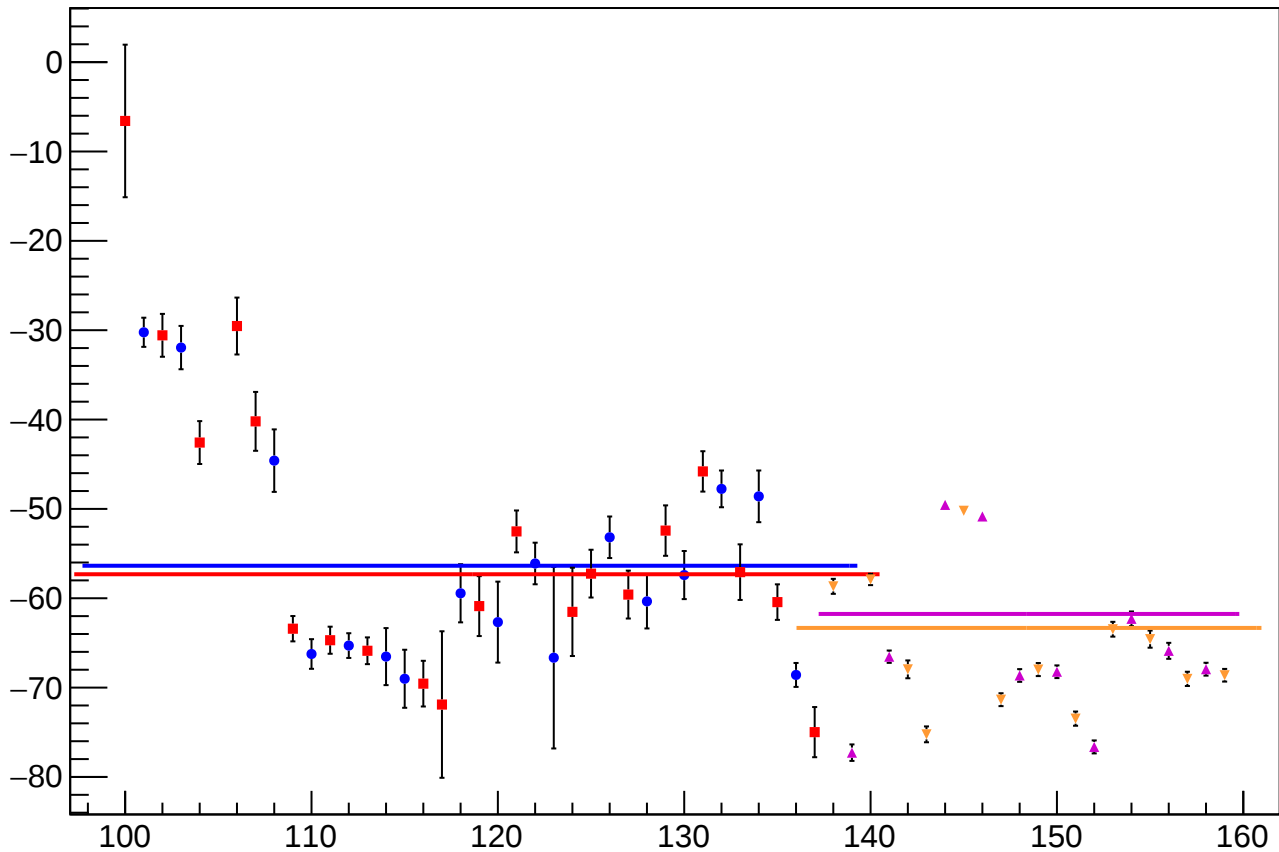
Right Out: 3.895 $\pm$ 0.316 χ^2 /NDF: 133.8/19

Left In: 1.842 $\pm$ 0.143 χ^2 /NDF: 247.4/9

2.719 $\pm$ 0.132 χ^2 /NDF: 678.4/28

2.191 $\pm$ 0.130 χ^2 /NDF: 416.3/29

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 $\chi^2/\text{NDF}: 587.2/16$

Left Out: -63.321 ± 0.212 $\chi^2/\text{NDF}: 1540.4/11$

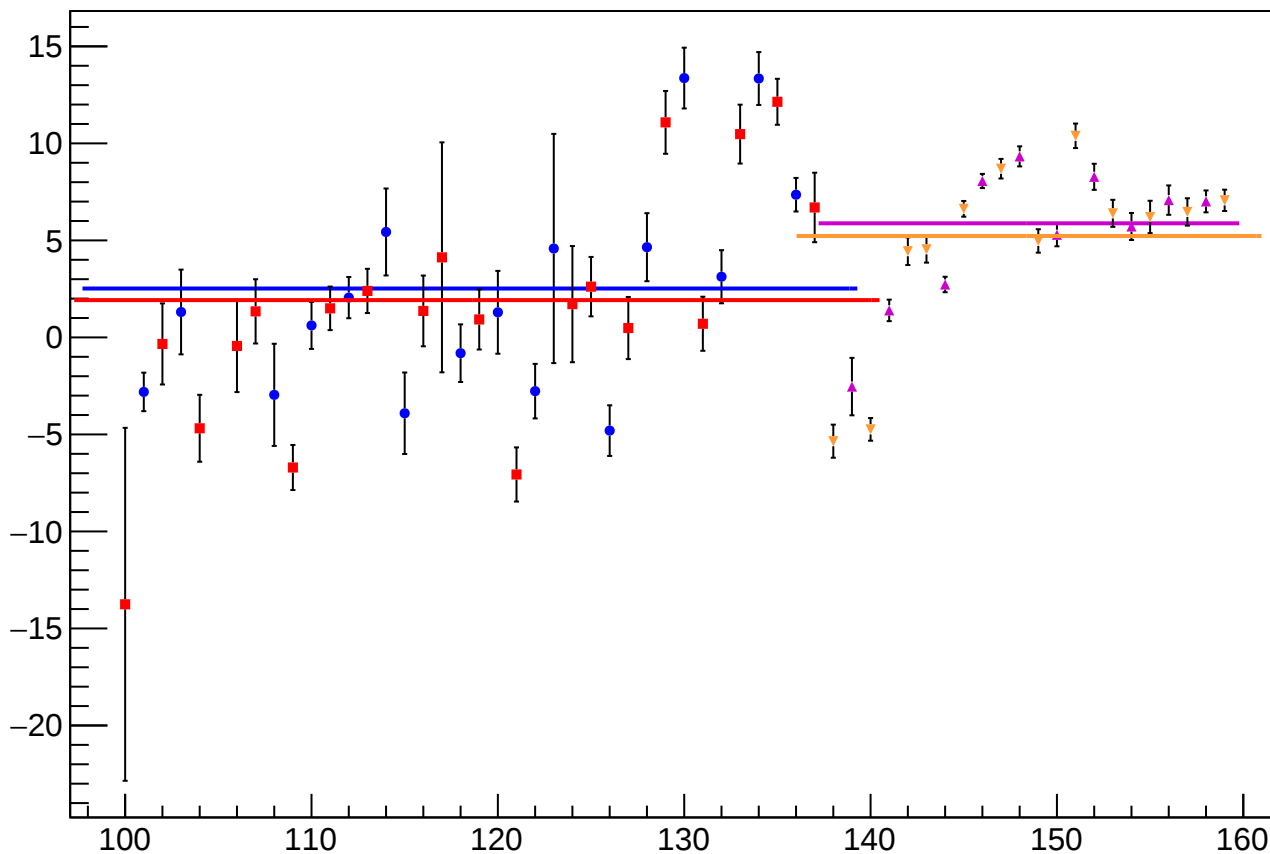
Right Out: -57.314 ± 0.535 $\chi^2/\text{NDF}: 479.2/19$

Left In: -61.756 ± 0.211 $\chi^2/\text{NDF}: 2181.9/9$

-62.402 ± 0.197 $\chi^2/\text{NDF}: 2270.0/28$

-61.159 ± 0.196 $\chi^2/\text{NDF}: 2720.7/29$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 5.227 ± 0.175 χ^2/NDF : 591.6/11

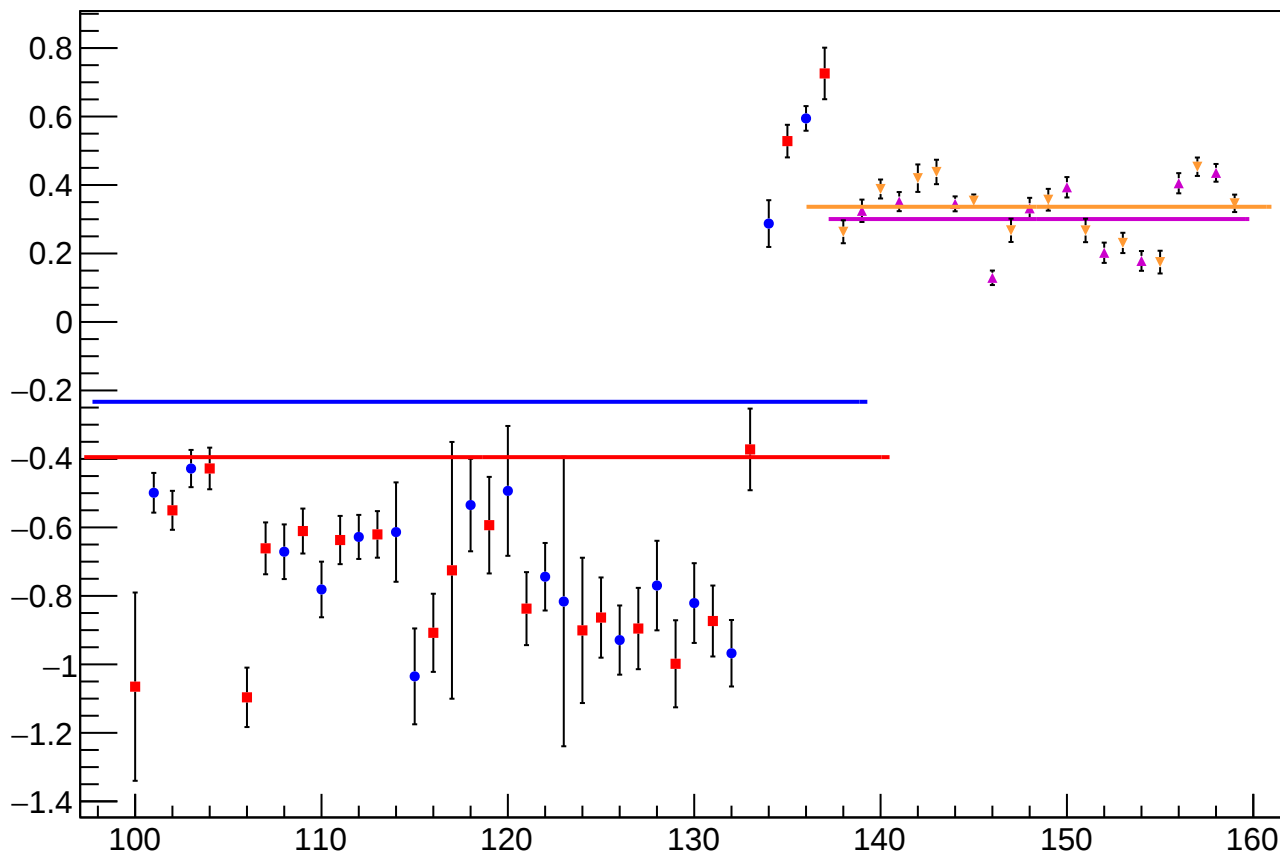
Right Out: 1.922 ± 0.354 χ^2/NDF : 264.7/19

Left In: 5.880 ± 0.173 χ^2/NDF : 261.0/9

4.676 ± 0.157 χ^2/NDF : 882.4/28

5.115 ± 0.156 χ^2/NDF : 626.4/29

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.336 ± 0.008 χ^2/NDF : 85.7/11

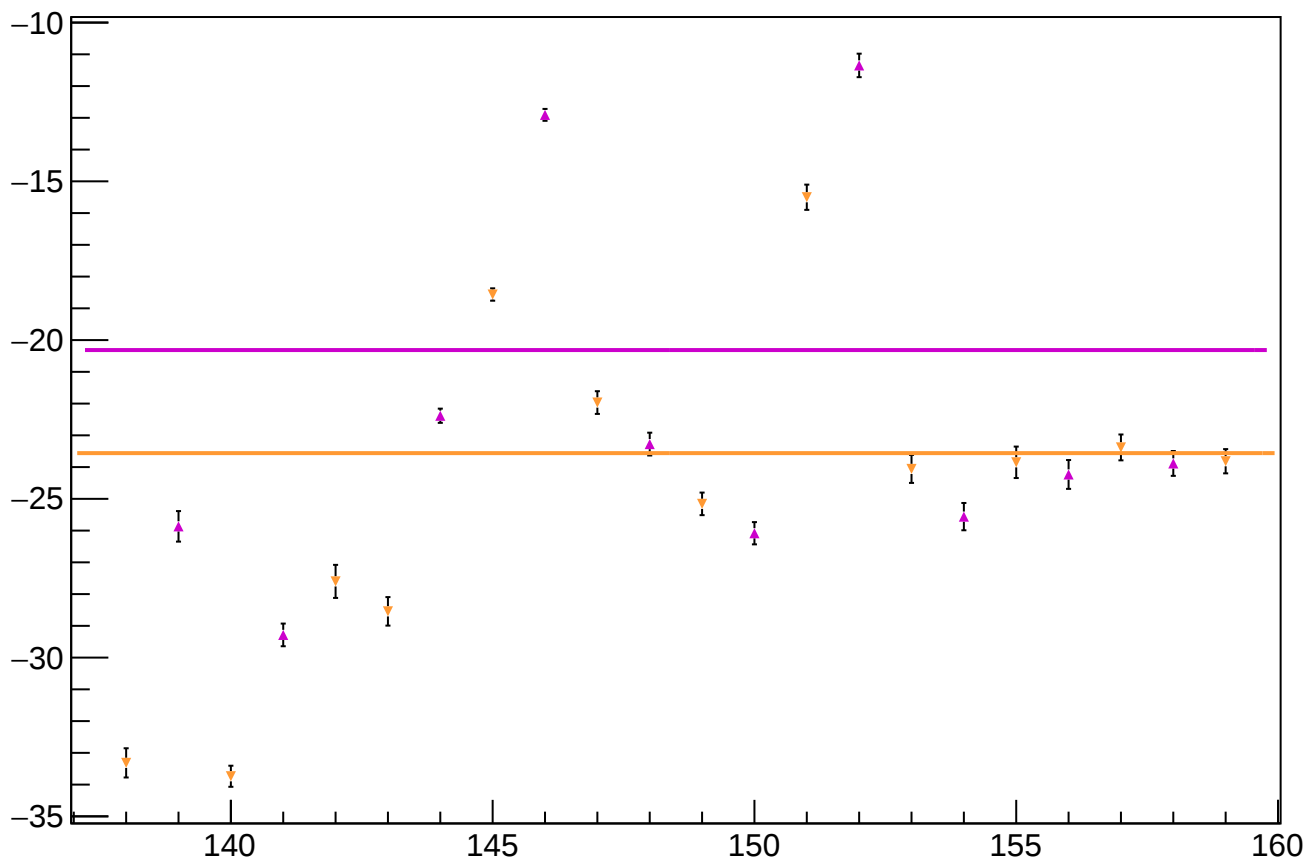
Right Out: -0.395 ± 0.019 χ^2/NDF : 845.9/19

Left In: 0.301 ± 0.009 χ^2/NDF : 153.2/9

0.243 ± 0.008 χ^2/NDF : 1801.7/28

0.183 ± 0.008 χ^2/NDF : 2117.2/29

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -23.560+/-0.104 χ^2/NDF : 2683.5/11

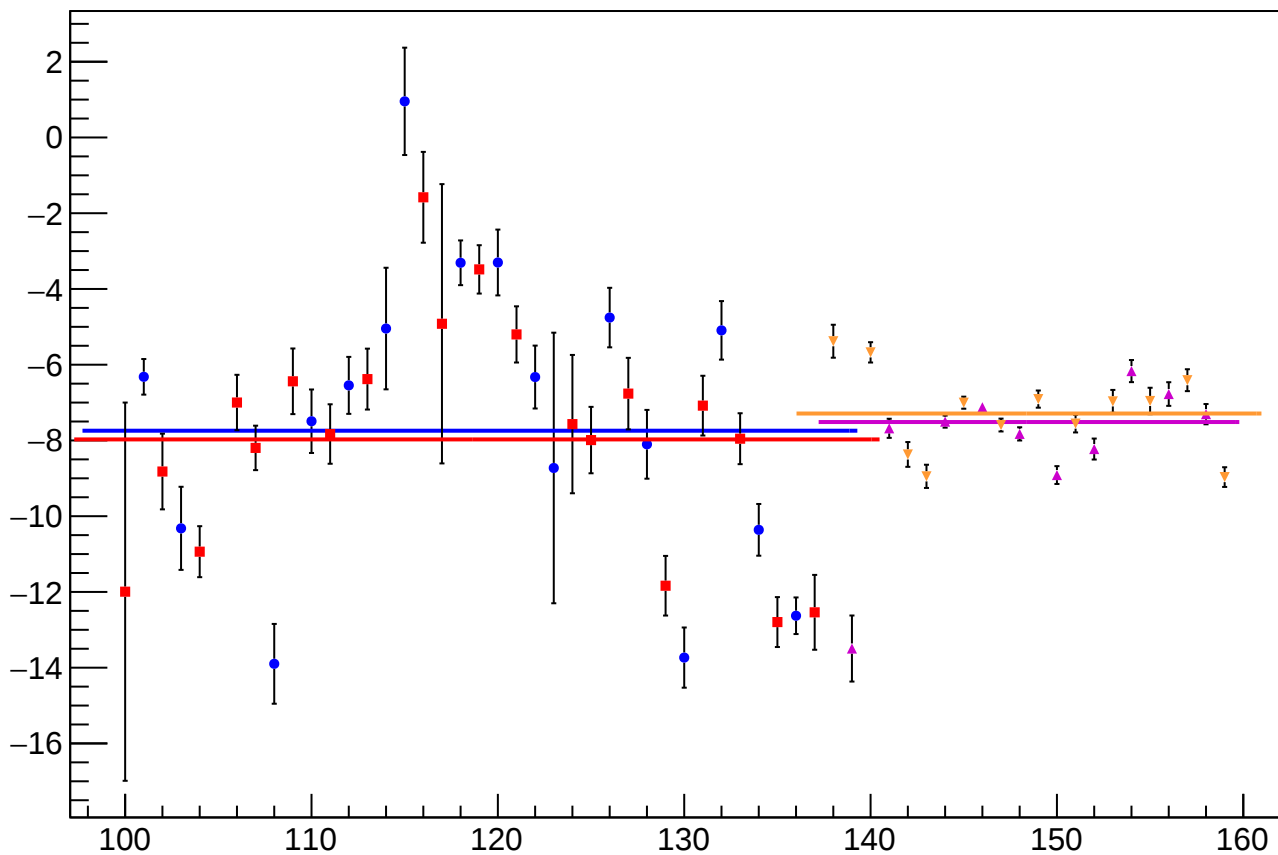
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -20.314+/-0.100 χ^2/NDF : 3645.9/9

-23.560+/-0.104 χ^2/NDF : 2683.5/11

-20.314+/-0.100 χ^2/NDF : 3645.9/9

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -7.289 ± 0.071 χ^2/NDF : 159.2/11

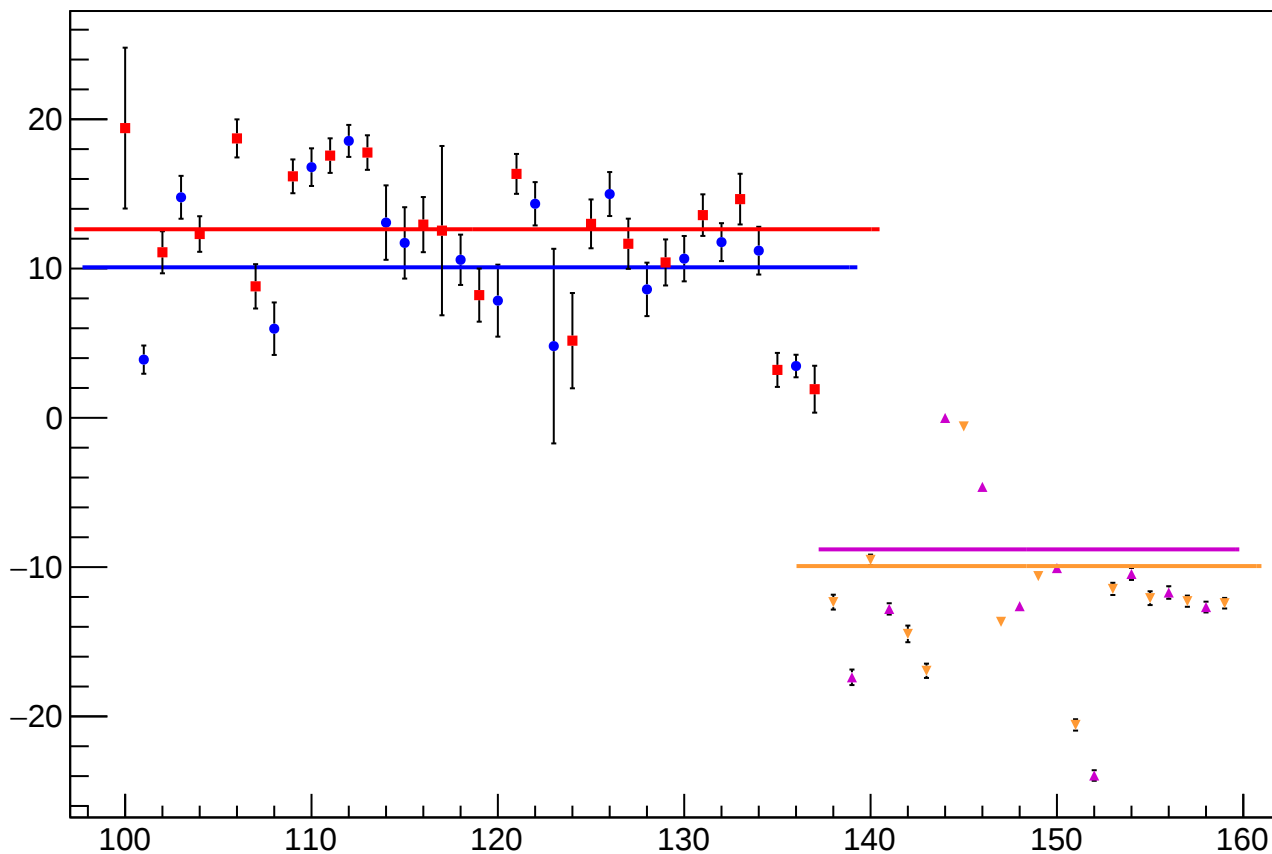
Right Out: -7.973 ± 0.186 χ^2/NDF : 224.2/19

Left In: -7.514 ± 0.066 χ^2/NDF : 131.3/9

-7.346 ± 0.067 χ^2/NDF : 541.8/28

-7.565 ± 0.062 χ^2/NDF : 361.0/29

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083 $\pm$ 0.338 χ^2 /NDF: 252.7/16

Left Out: -9.931 $\pm$ 0.103 χ^2 /NDF: 3401.9/11

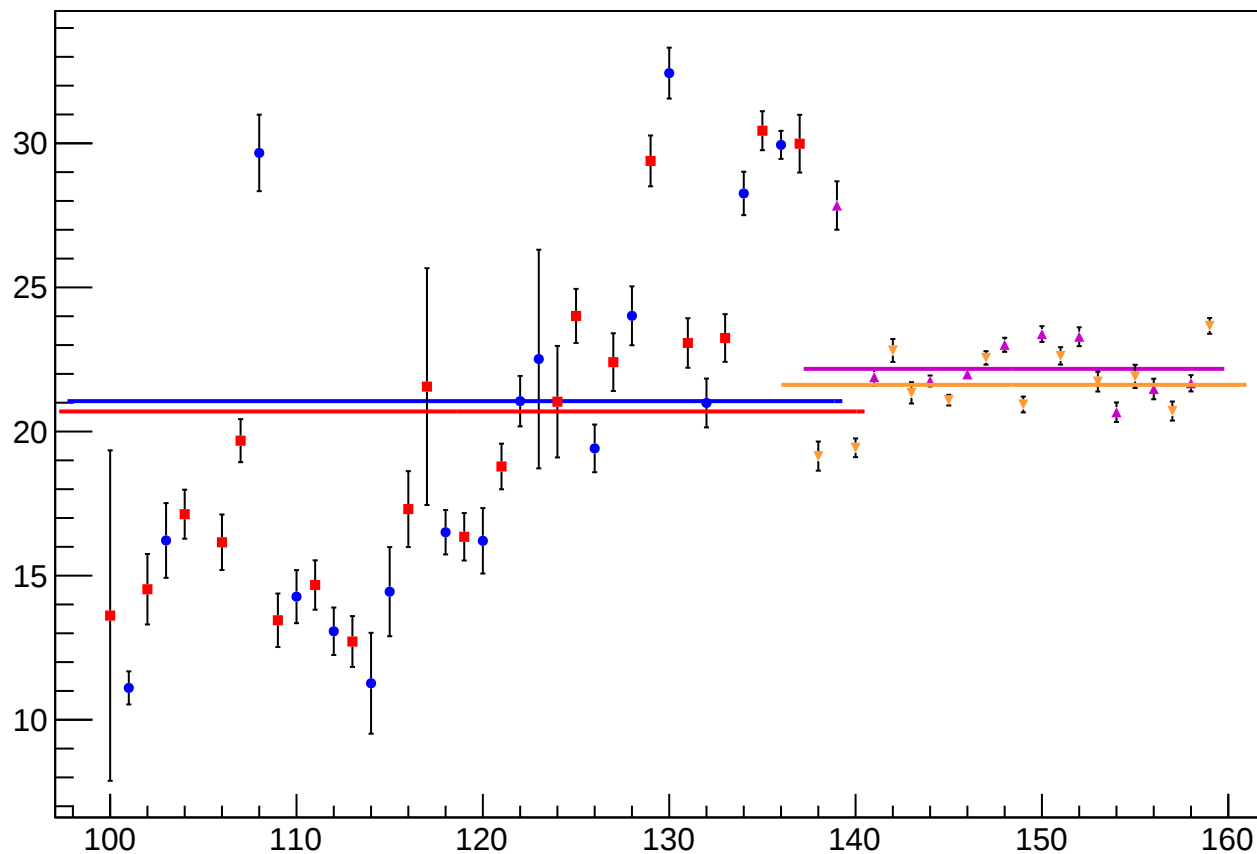
Right Out: 12.631 $\pm$ 0.332 χ^2 /NDF: 218.6/19

Left In: -8.813 $\pm$ 0.098 χ^2 /NDF: 4421.6/9

-8.223 $\pm$ 0.099 χ^2 /NDF: 6862.9/28

-7.101 $\pm$ 0.094 χ^2 /NDF: 8477.1/29

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.055 ± 0.211 $\chi^2/\text{NDF}: 1211.8/16$

Left Out: 21.620 ± 0.086 $\chi^2/\text{NDF}: 184.0/11$

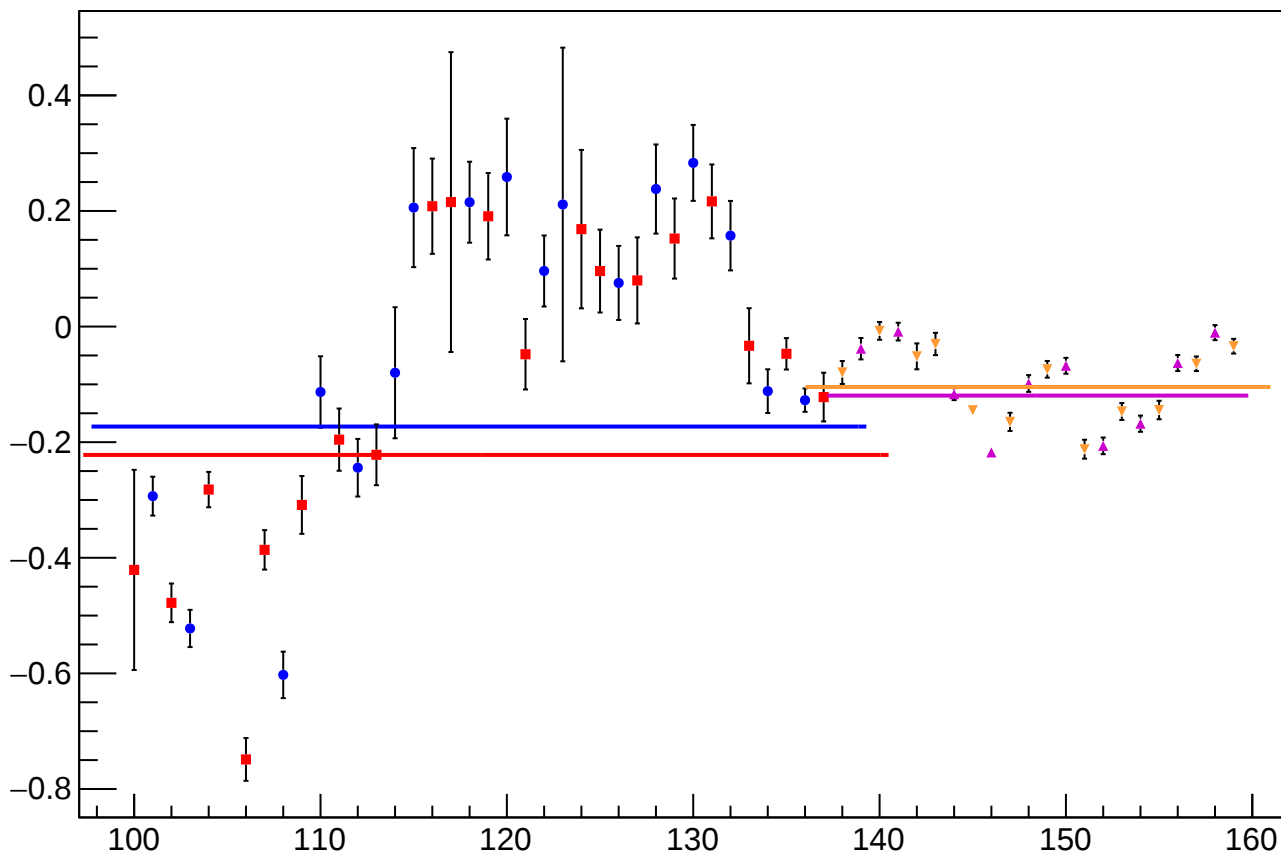
Right Out: 20.696 ± 0.212 $\chi^2/\text{NDF}: 724.1/19$

Left In: 22.174 ± 0.080 $\chi^2/\text{NDF}: 122.6/9$

21.540 ± 0.079 $\chi^2/\text{NDF}: 1401.9/28$

21.989 ± 0.075 $\chi^2/\text{NDF}: 889.1/29$

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.105 ± 0.004 χ^2/NDF : 204.5/11

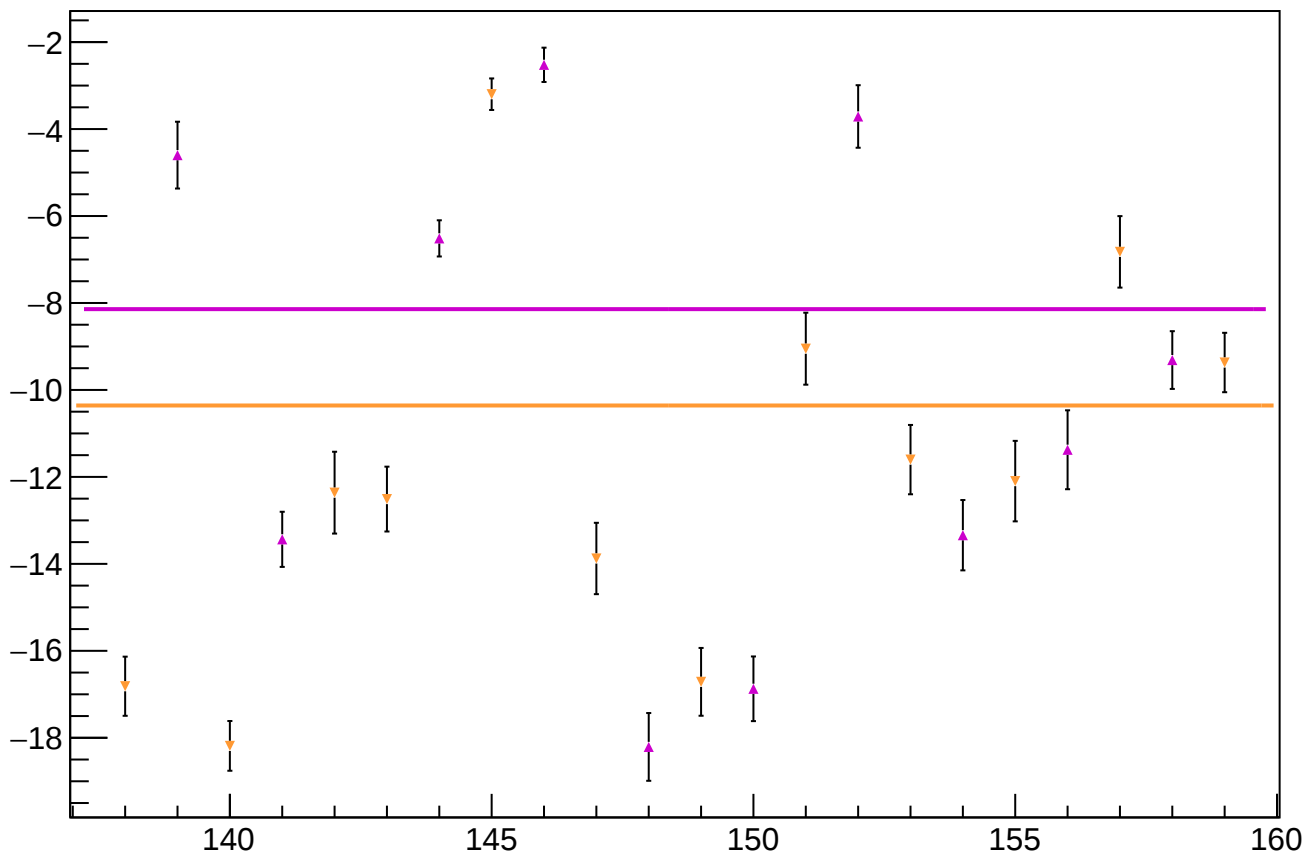
Right Out: -0.222 ± 0.011 χ^2/NDF : 538.0/19

Left In: -0.119 ± 0.004 χ^2/NDF : 358.4/9

-0.113 ± 0.004 χ^2/NDF : 699.3/28

-0.132 ± 0.004 χ^2/NDF : 973.8/29

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



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

Left Out: -10.358+/-0.194 χ^2/NDF : 793.8/11

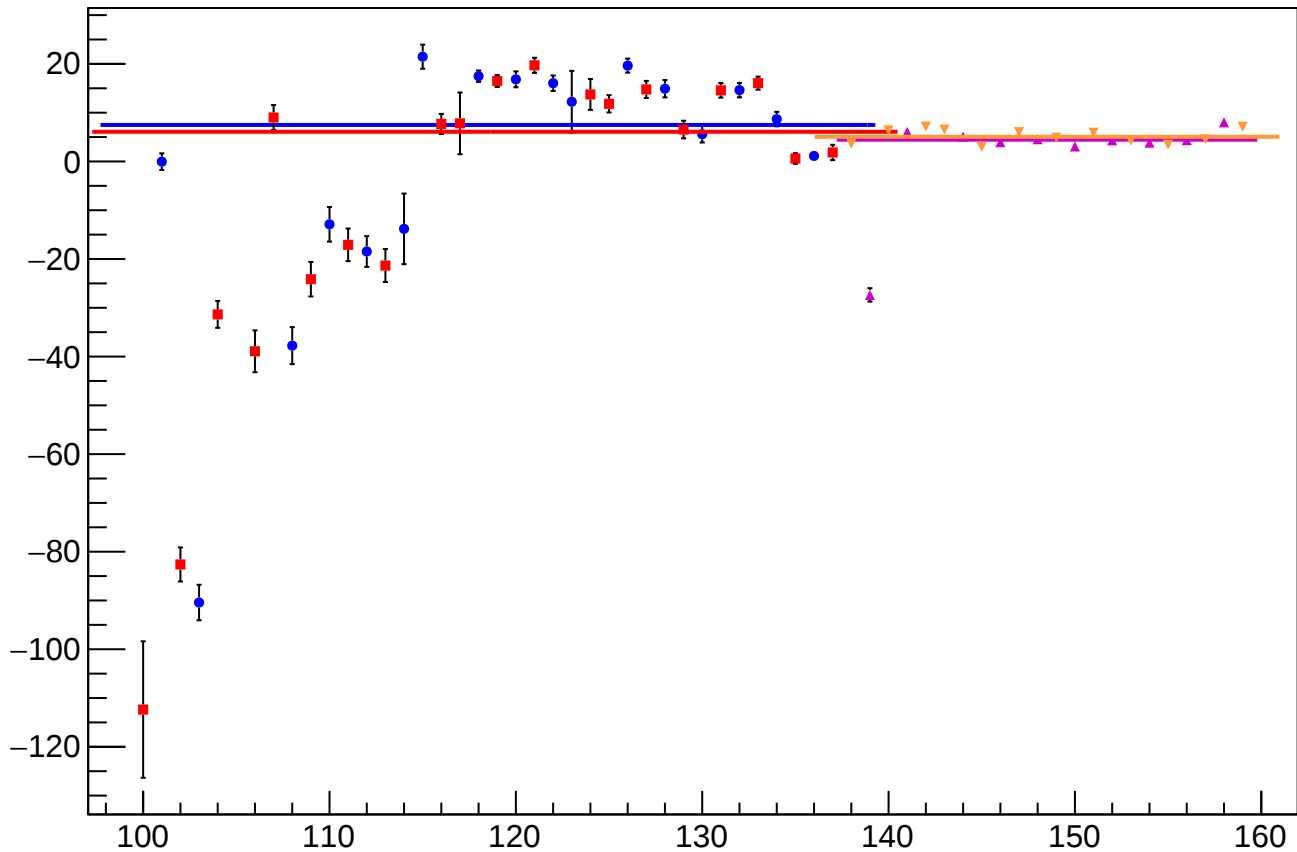
-10.358+/-0.194 χ^2/NDF : 793.8/11

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

Left In: -8.142+/-0.193 χ^2/NDF : 709.0/9

-8.142+/-0.193 χ^2/NDF : 709.0/9

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 5.057 ± 0.136 χ^2/NDF : 122.7/11

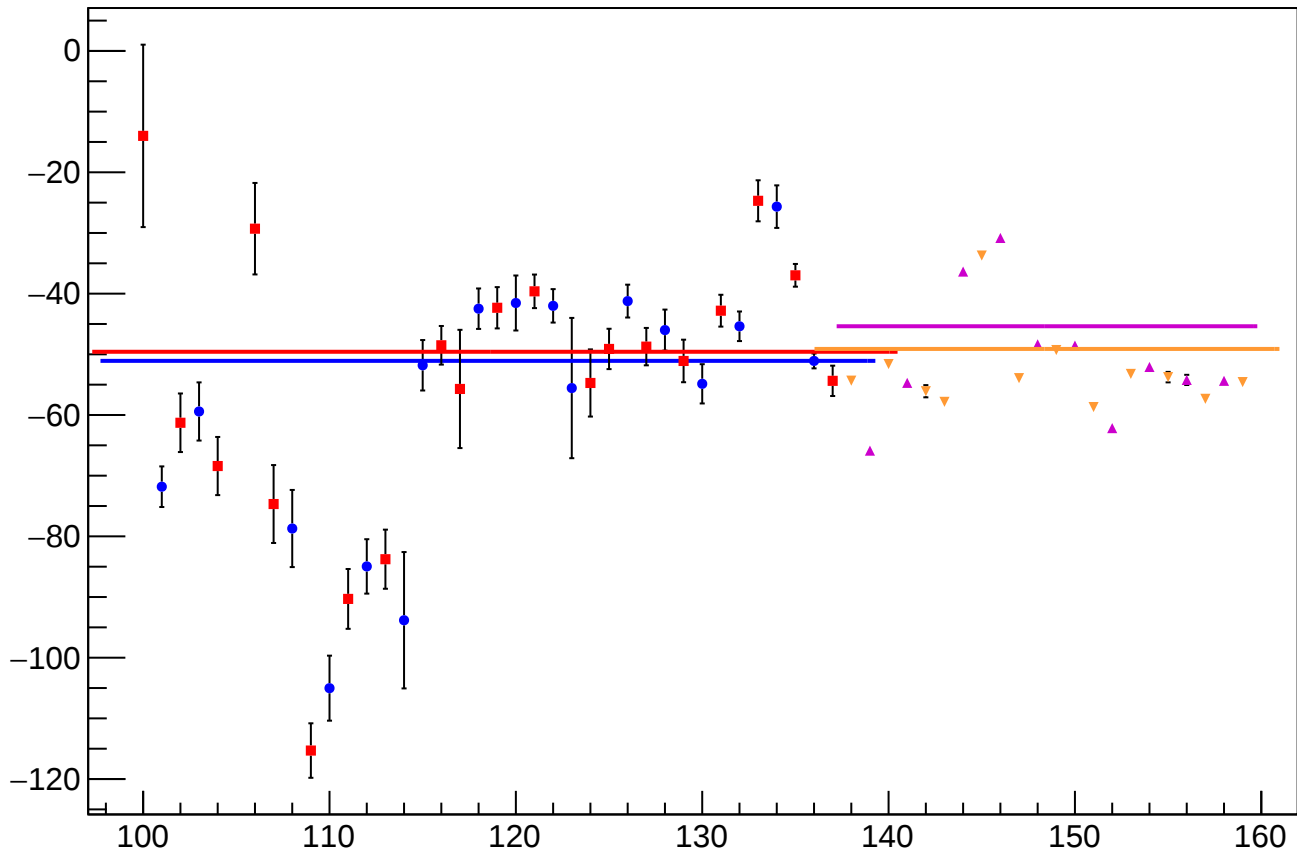
Right Out: 6.086 ± 0.433 χ^2/NDF : 1512.2/19

Left In: 4.462 ± 0.132 χ^2/NDF : 622.7/9

5.302 ± 0.129 χ^2/NDF : 1495.3/28

4.599 ± 0.126 χ^2/NDF : 2147.7/29

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -49.112 ± 0.195 χ^2/NDF : 2250.8/11

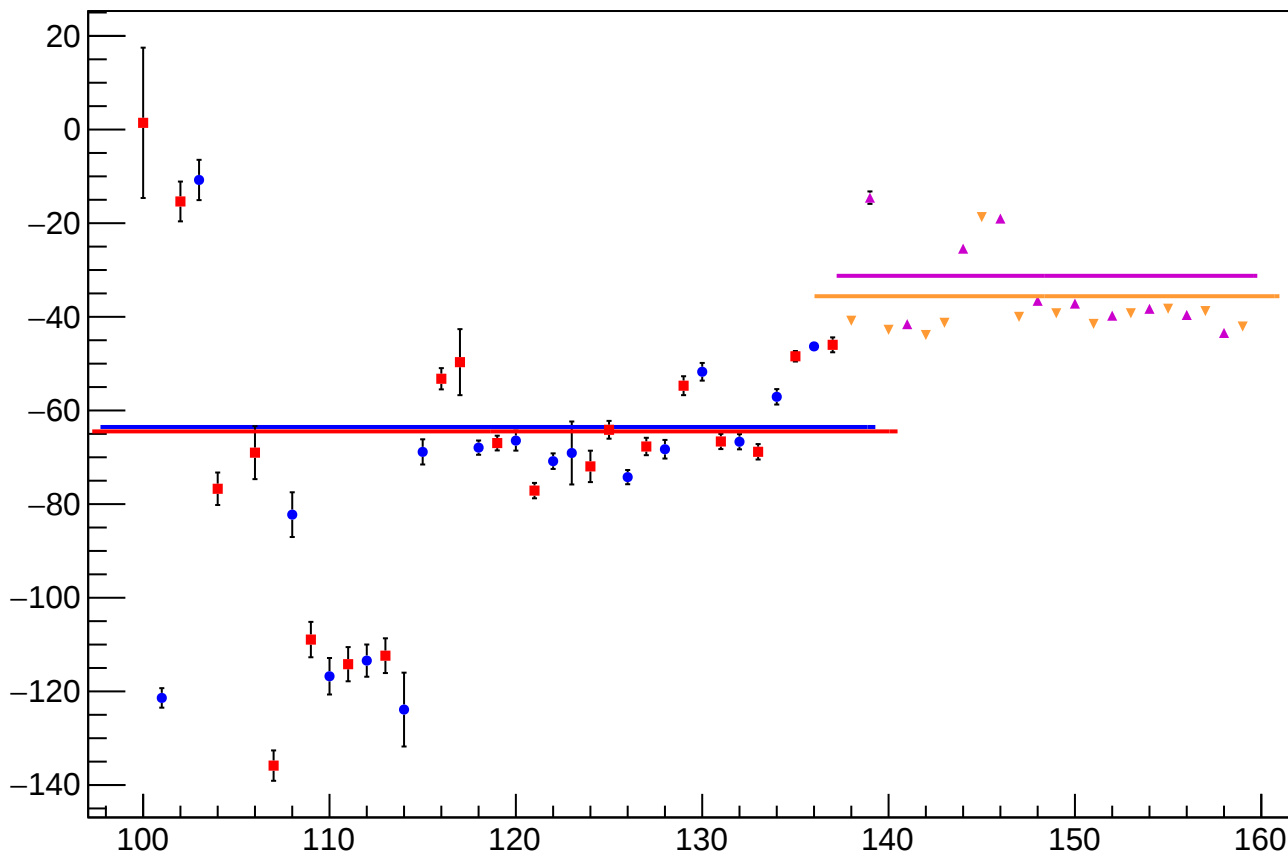
Right Out: -49.579 ± 0.796 χ^2/NDF : 510.0/19

Left In: -45.374 ± 0.191 χ^2/NDF : 3713.1/9

-49.239 ± 0.188 χ^2/NDF : 2587.6/28

-45.602 ± 0.185 χ^2/NDF : 4249.4/29

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525±/0.449 χ^2/NDF : 2010.9/16

Left Out: -35.598±/0.162 χ^2/NDF : 3425.9/11

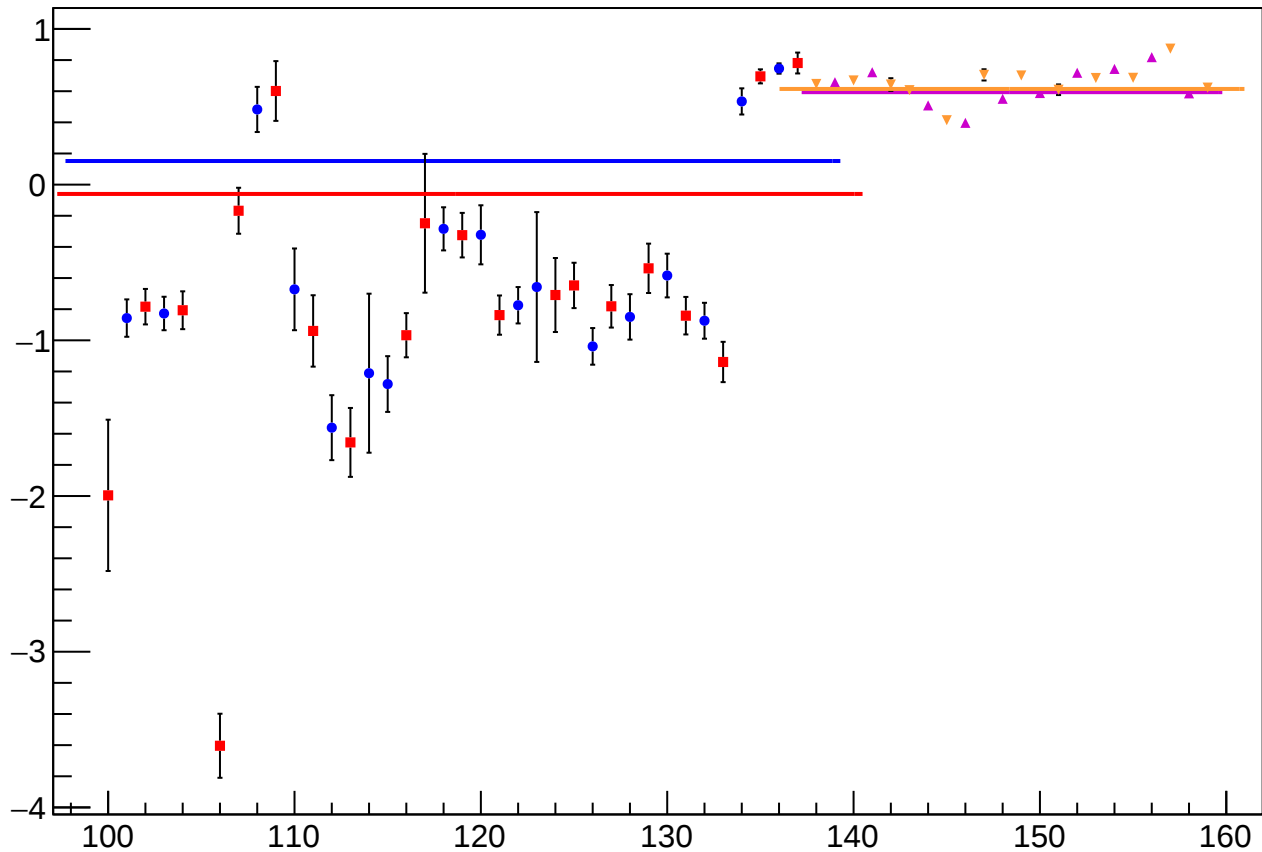
Right Out: -64.470±/0.482 χ^2/NDF : 1607.5/19

Left In: -31.240±/0.158 χ^2/NDF : 3594.6/9

-38.826±/0.153 χ^2/NDF : 8863.4/28

-34.477±/0.150 χ^2/NDF : 9495.3/29

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$

Left Out: 0.615 ± 0.008 $\chi^2/\text{NDF}: 310.5/11$

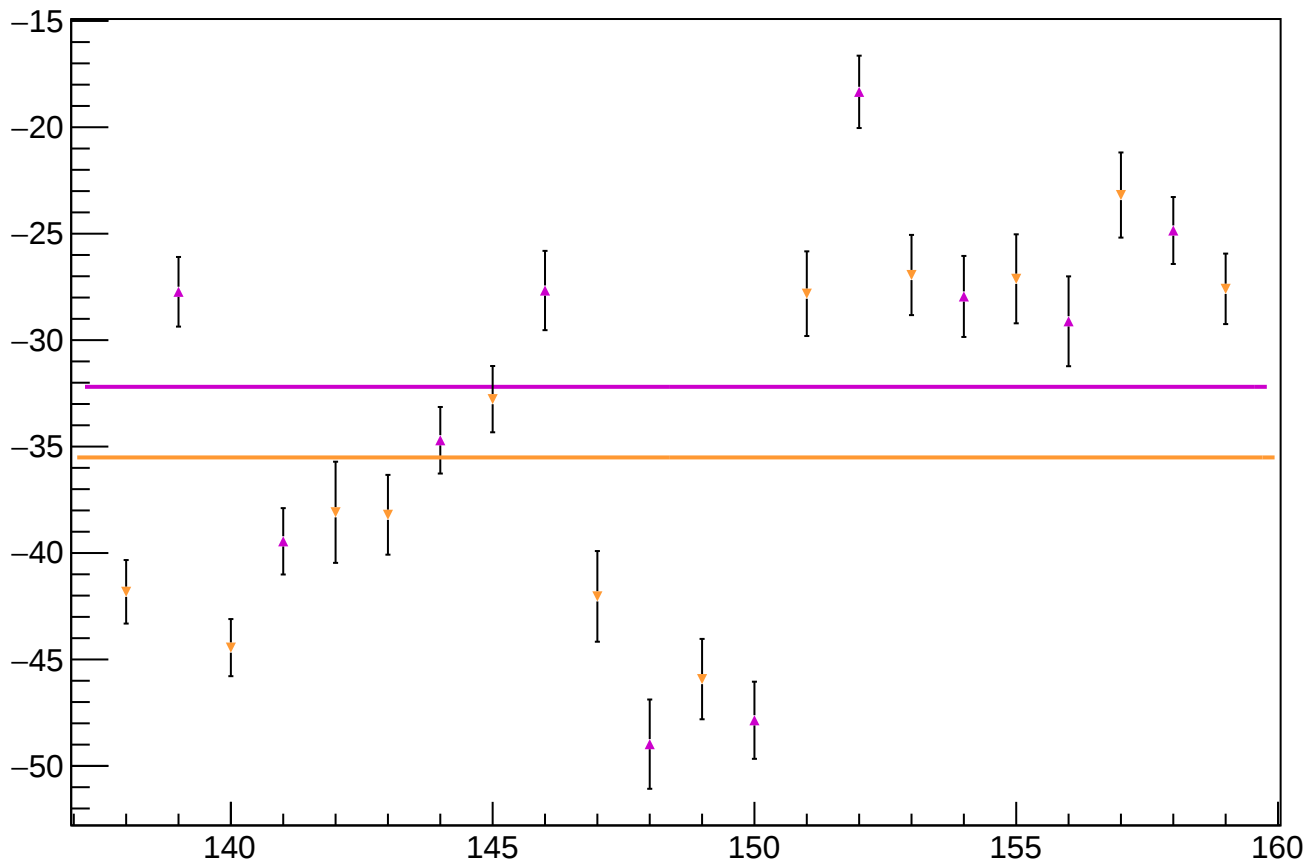
Right Out: -0.060 ± 0.026 $\chi^2/\text{NDF}: 1162.1/19$

Left In: 0.594 ± 0.008 $\chi^2/\text{NDF}: 287.8/9$

0.572 ± 0.007 $\chi^2/\text{NDF}: 1634.7/28$

0.541 ± 0.007 $\chi^2/\text{NDF}: 2020.4/29$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -35.510+/-0.516 χ^2/NDF : 221.0/11

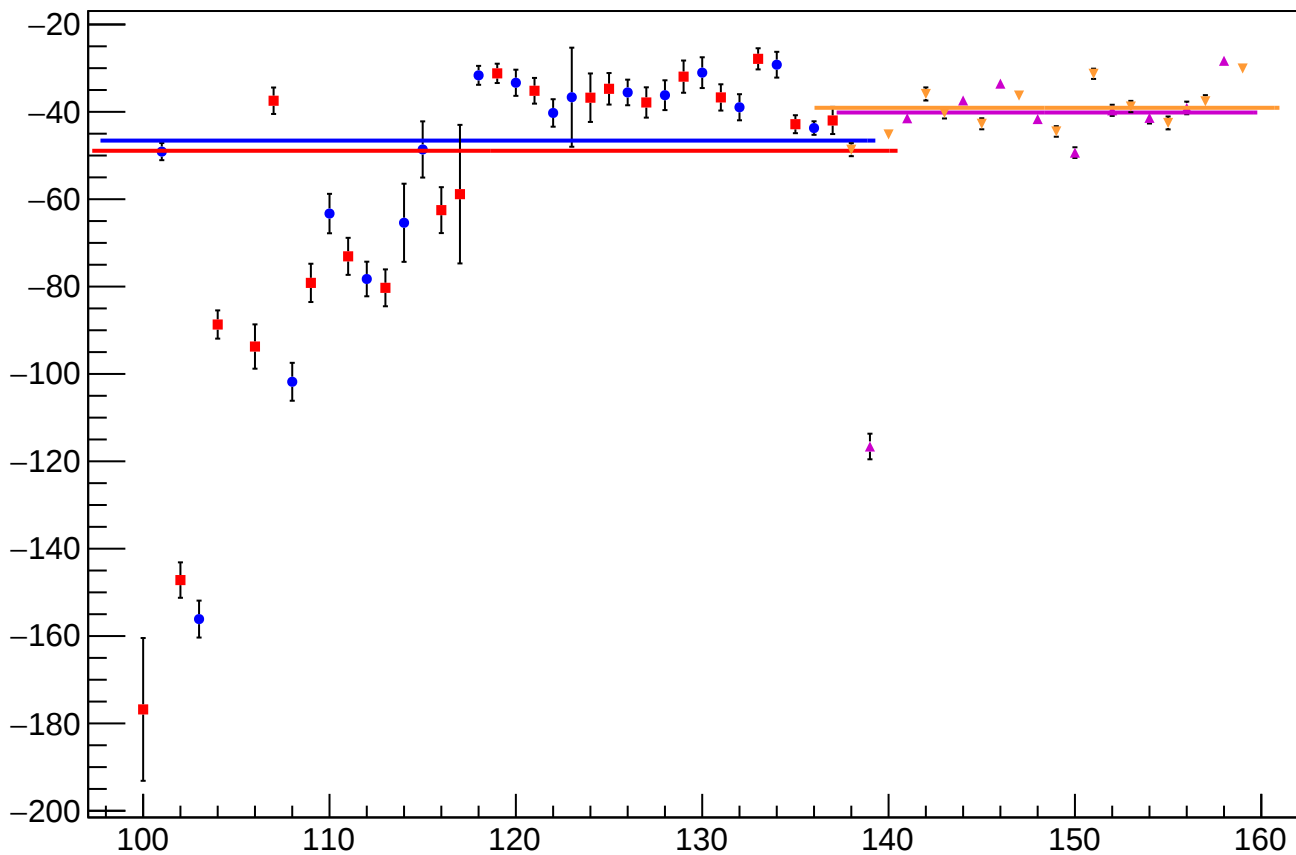
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -32.193+/-0.553 χ^2/NDF : 271.8/9

-35.510+/-0.516 χ^2/NDF : 221.0/11

-32.193+/-0.553 χ^2/NDF : 271.8/9

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579 ± 0.730 $\chi^2/\text{NDF}: 1076.4/16$

Left Out: -39.073 ± 0.361 $\chi^2/\text{NDF}: 227.2/11$

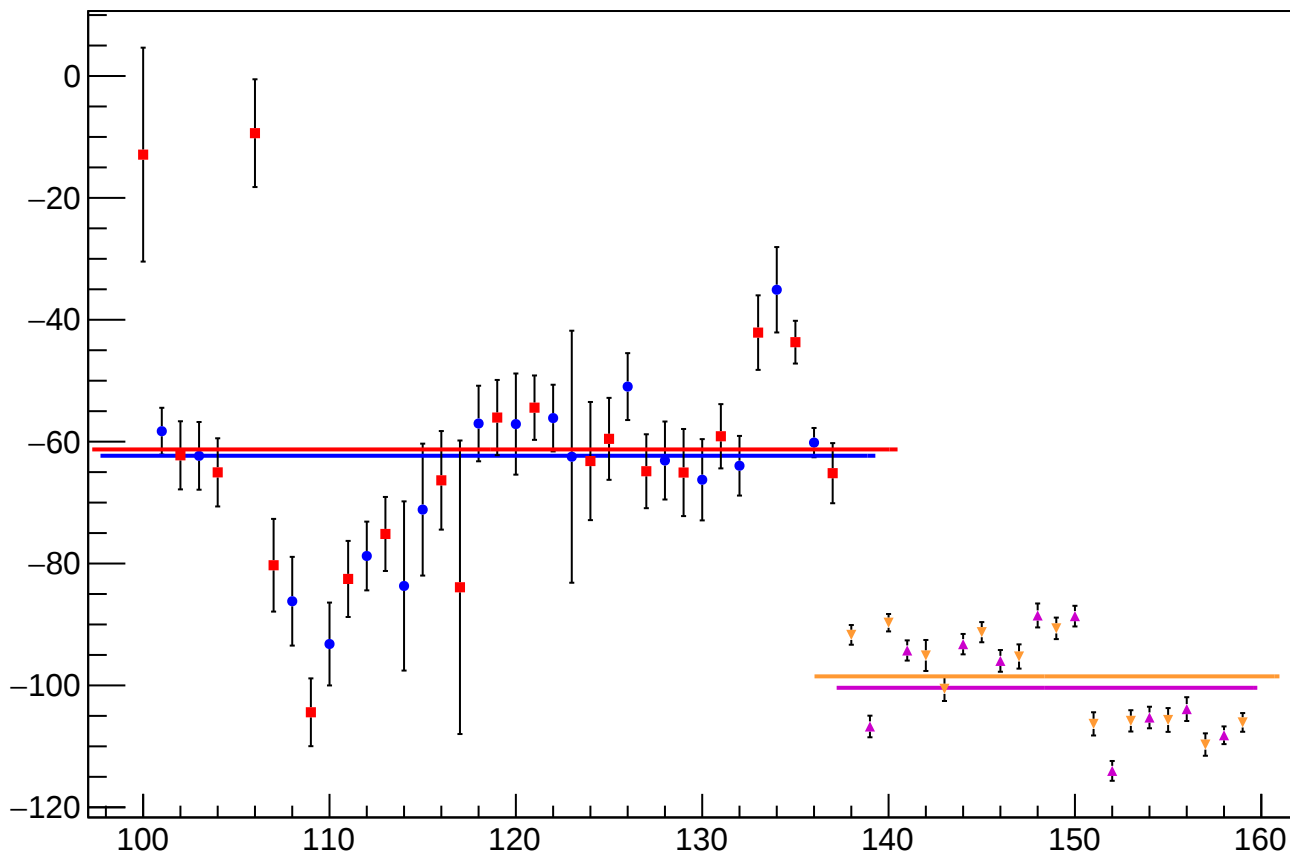
Right Out: -48.911 ± 0.763 $\chi^2/\text{NDF}: 1277.9/19$

Left In: -40.153 ± 0.387 $\chi^2/\text{NDF}: 902.0/9$

-40.550 ± 0.324 $\chi^2/\text{NDF}: 1388.6/28$

-41.950 ± 0.345 $\chi^2/\text{NDF}: 2284.8/29$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -98.515 ± 0.513 χ^2/NDF : 209.3/11

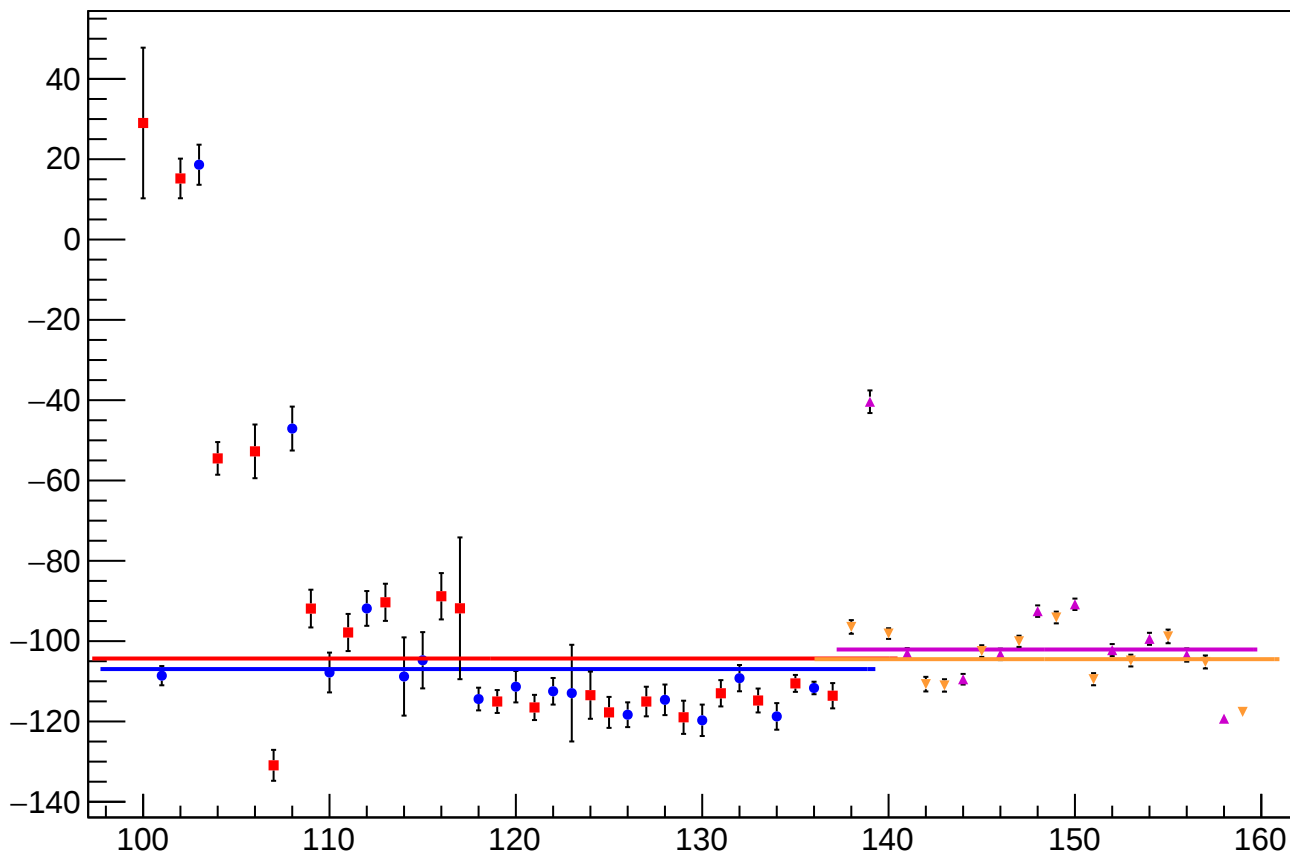
Right Out: -61.277 ± 1.379 χ^2/NDF : 165.9/19

Left In: -100.391 ± 0.543 χ^2/NDF : 245.5/9

-93.739 ± 0.478 χ^2/NDF : 933.7/28

-95.143 ± 0.505 χ^2/NDF : 1108.2/29

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 χ^2/NDF : 827.2/16

Left Out: -104.488 ± 0.430 χ^2/NDF : 280.3/11

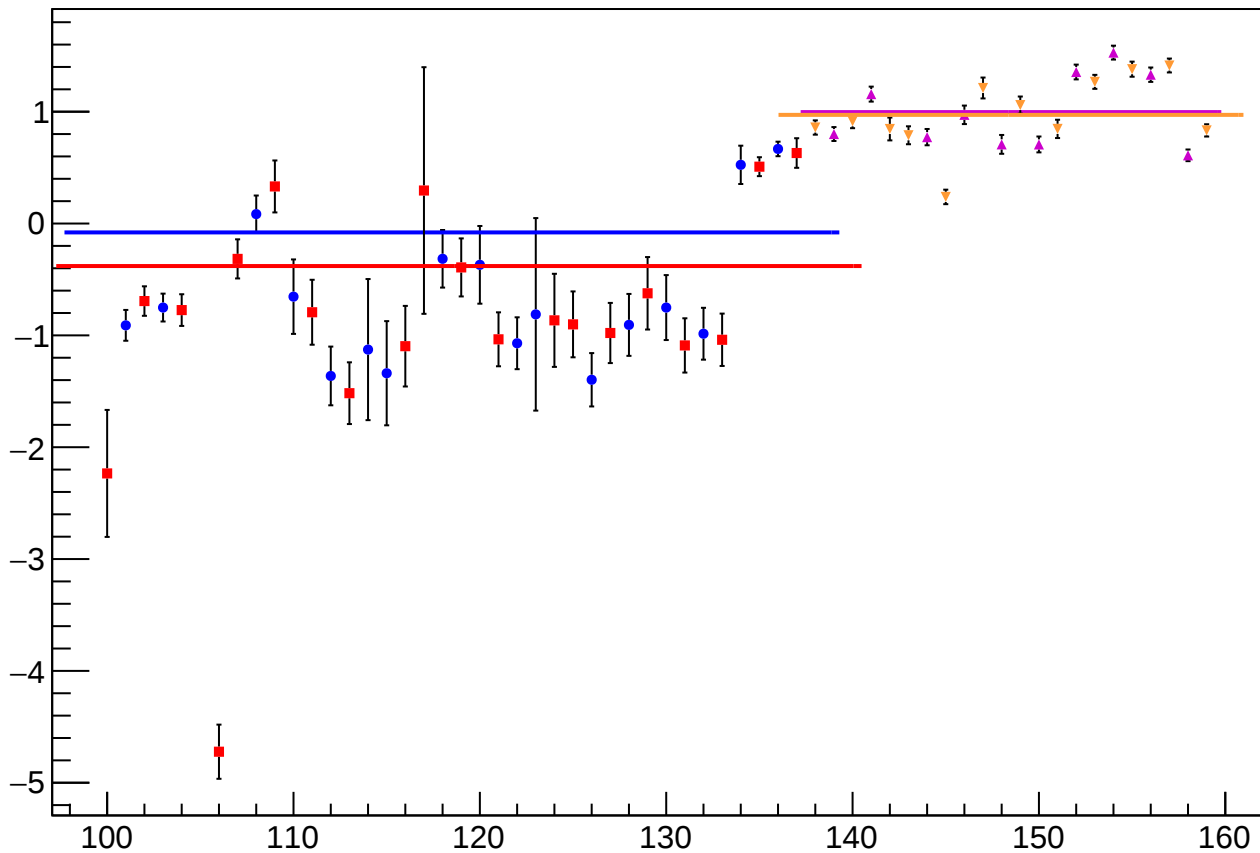
Right Out: -104.326 ± 0.860 χ^2/NDF : 1021.5/19

Left In: -102.081 ± 0.459 χ^2/NDF : 851.2/9

-105.022 ± 0.380 χ^2/NDF : 1114.7/28

-102.578 ± 0.405 χ^2/NDF : 1878.0/29

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.972 ± 0.020 χ^2/NDF : 264.7/11

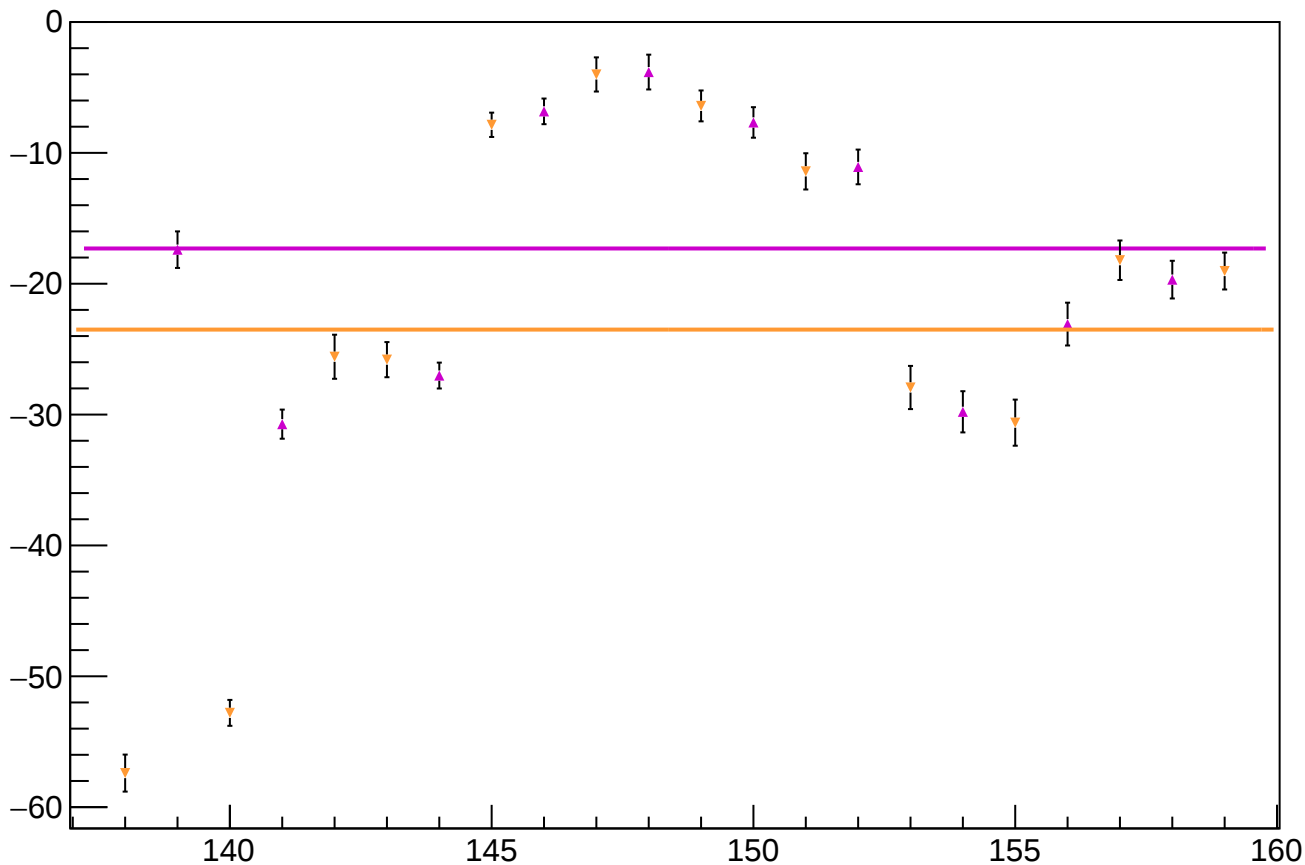
Right Out: -0.380 ± 0.044 χ^2/NDF : 580.9/19

Left In: 0.996 ± 0.021 χ^2/NDF : 238.3/9

0.779 ± 0.018 χ^2/NDF : 1098.1/28

0.739 ± 0.019 χ^2/NDF : 1616.1/29

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -23.505+/-0.377 χ^2/NDF : 2292.1/11

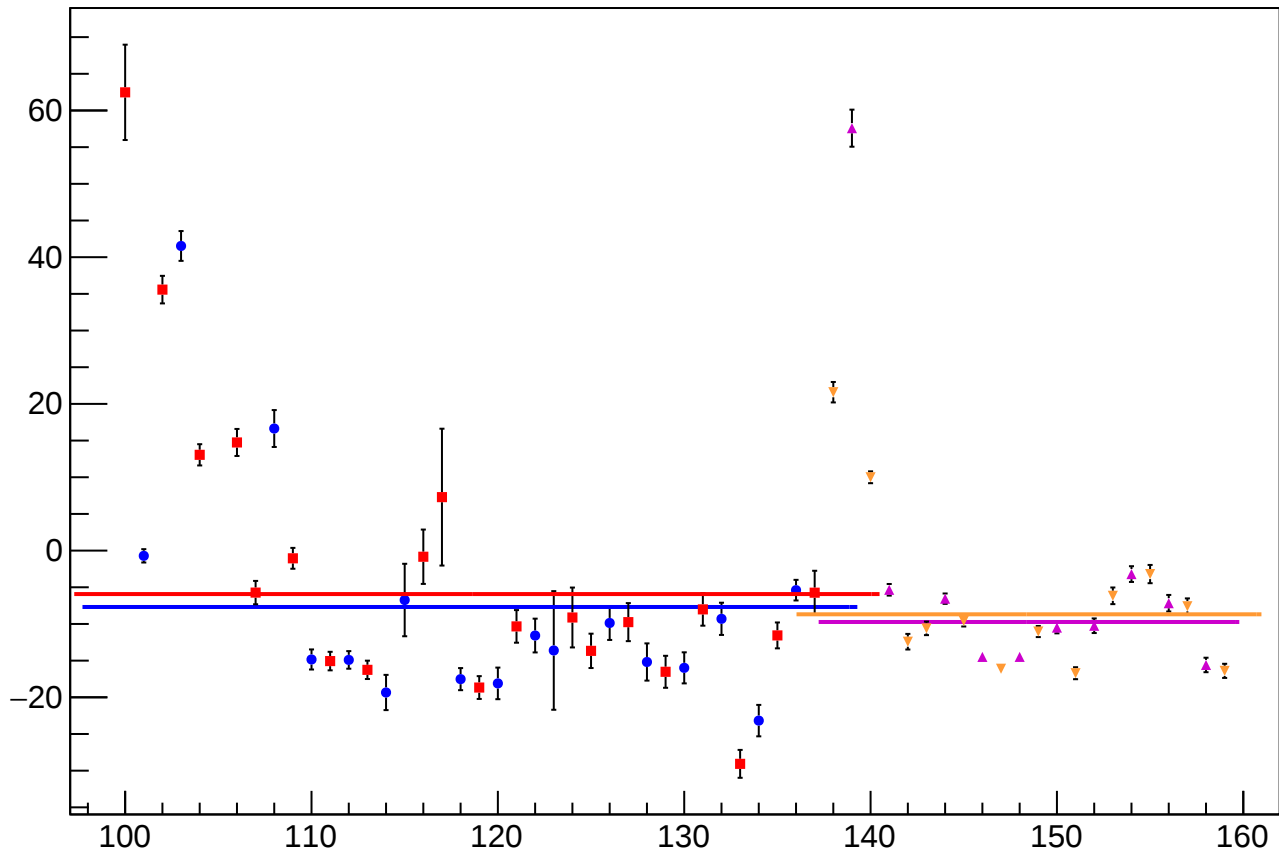
-23.505+/-0.377 χ^2/NDF : 2292.1/11

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

Left In: -17.307+/-0.392 χ^2/NDF : 627.4/9

-17.307+/-0.392 χ^2/NDF : 627.4/9

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686+/-0.430 χ^2/NDF : 975.9/16

Left Out: -8.685+/-0.258 χ^2/NDF :1361.4/11

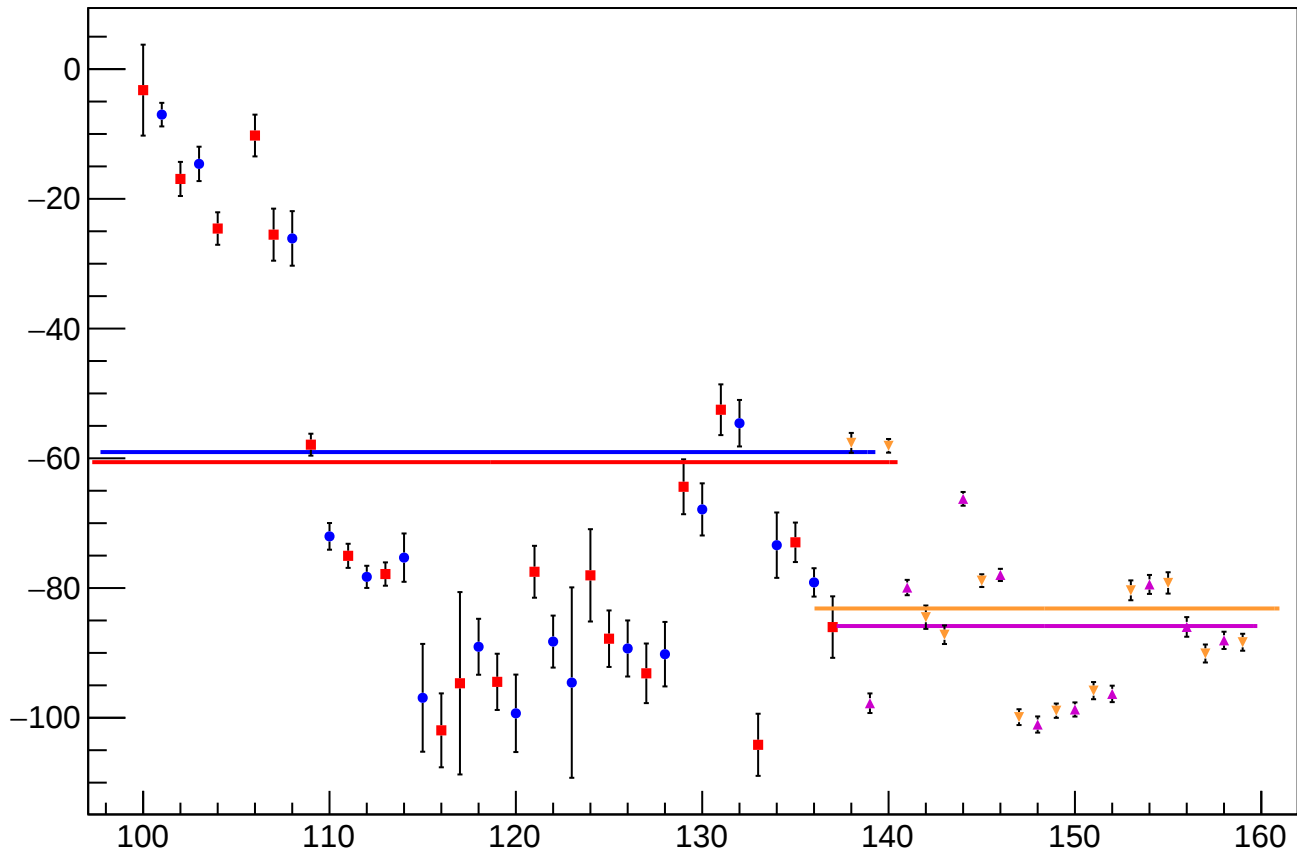
Right Out: -5.925+/-0.428 χ^2/NDF : 1300.1/19

Left In: -9.732+/-0.267 χ^2/NDF :952.8/9

-8.420+/-0.221 χ^2/NDF : 2341.3/28

-8.669+/-0.226 χ^2/NDF : 2309.8/29

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039±/0.746 χ^2/NDF : 1709.5/16

Left Out: -83.150±/0.375 χ^2/NDF :1404.5/11

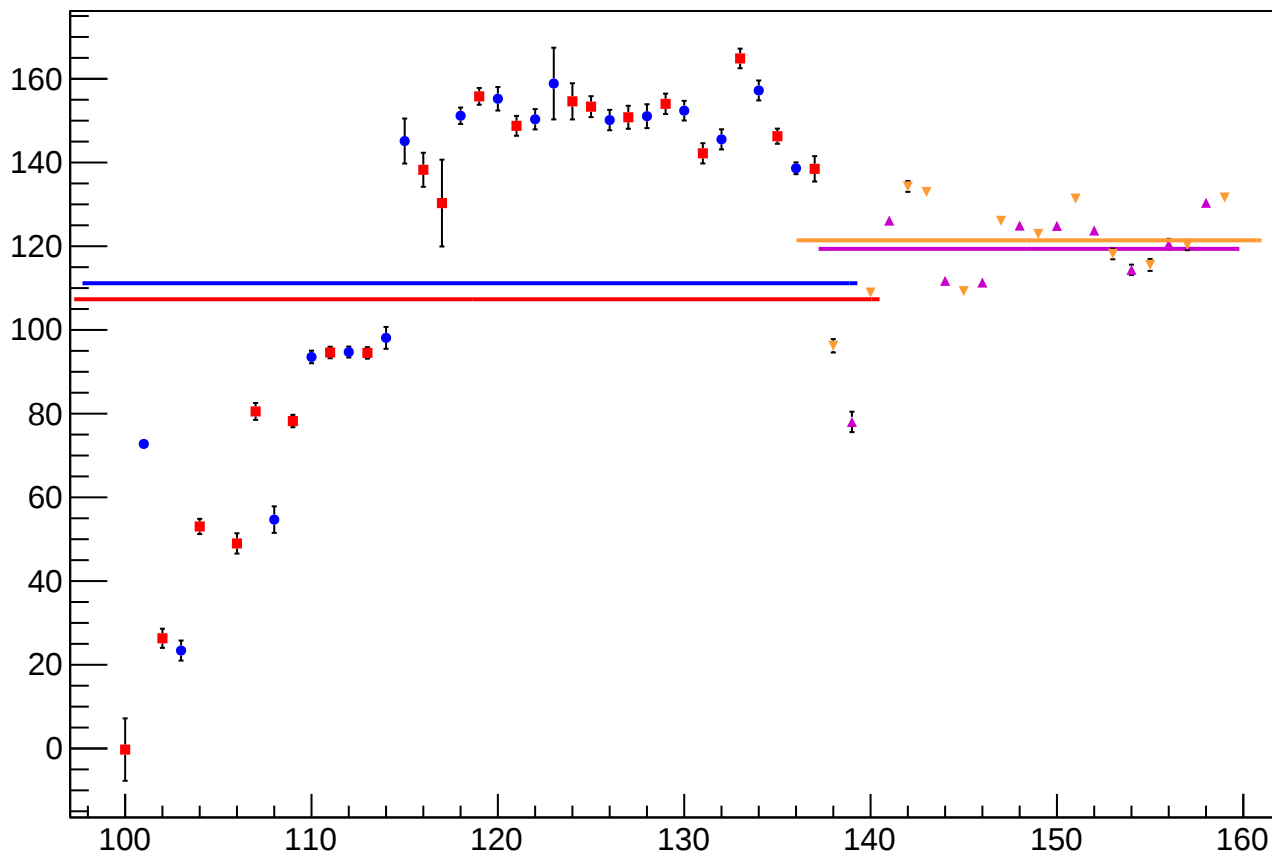
Right Out: -60.593±/0.704 χ^2/NDF : 1390.7/19

Left In: -85.857±/0.385 χ^2/NDF :877.0/9

-78.287±/0.335 χ^2/NDF : 3948.7/28

-80.034±/0.338 χ^2/NDF : 3260.0/29

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.160 $\pm$ 0.489 χ^2/NDF : 5877.6/16

Left Out: 121.414 $\pm$ 0.311 χ^2/NDF : 1058.4/11

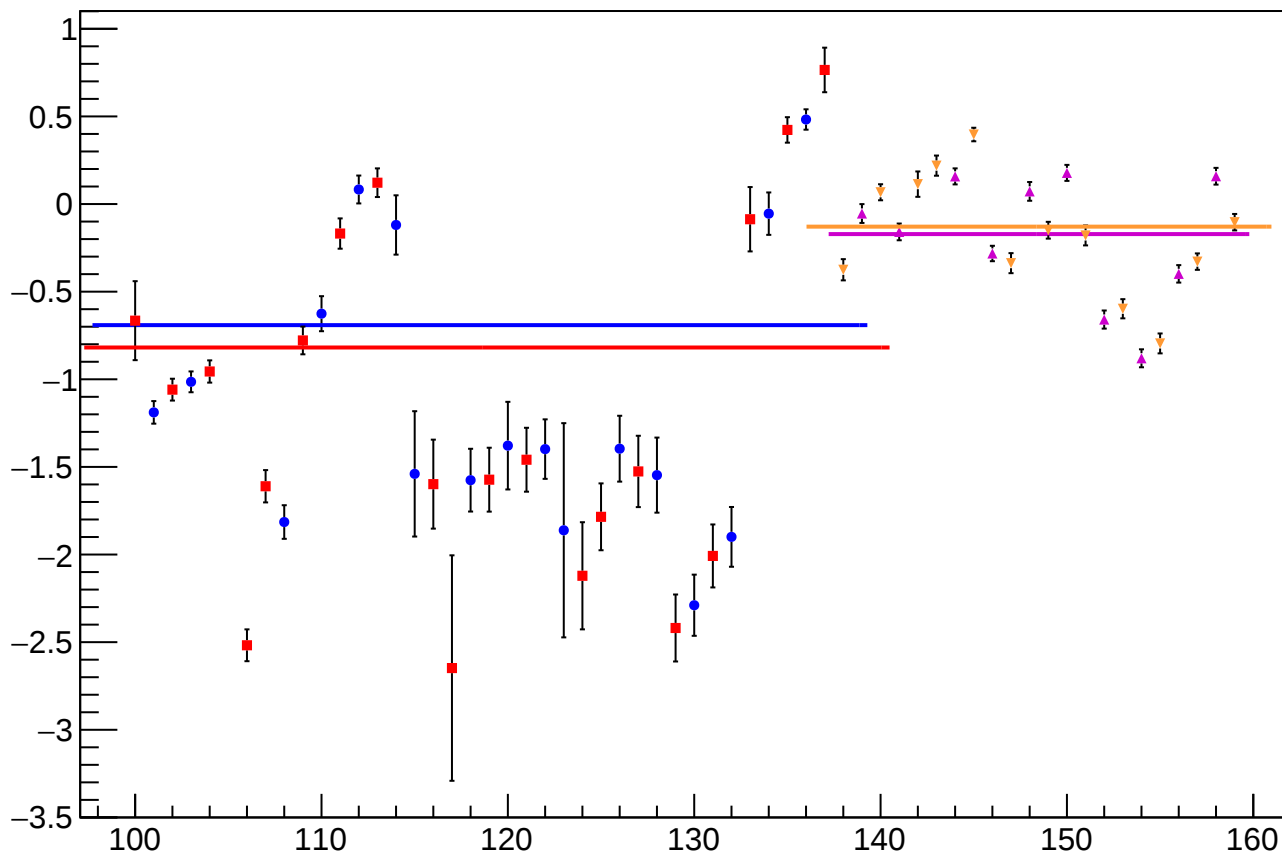
Right Out: 107.334 $\pm$ 0.487 χ^2/NDF : 7060.0/19

Left In: 119.372 $\pm$ 0.321 χ^2/NDF : 748.0/9

118.462 $\pm$ 0.262 χ^2/NDF : 7249.2/28

115.728 $\pm$ 0.268 χ^2/NDF : 8233.8/29

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.129 ± 0.015 χ^2/NDF : 511.7/11

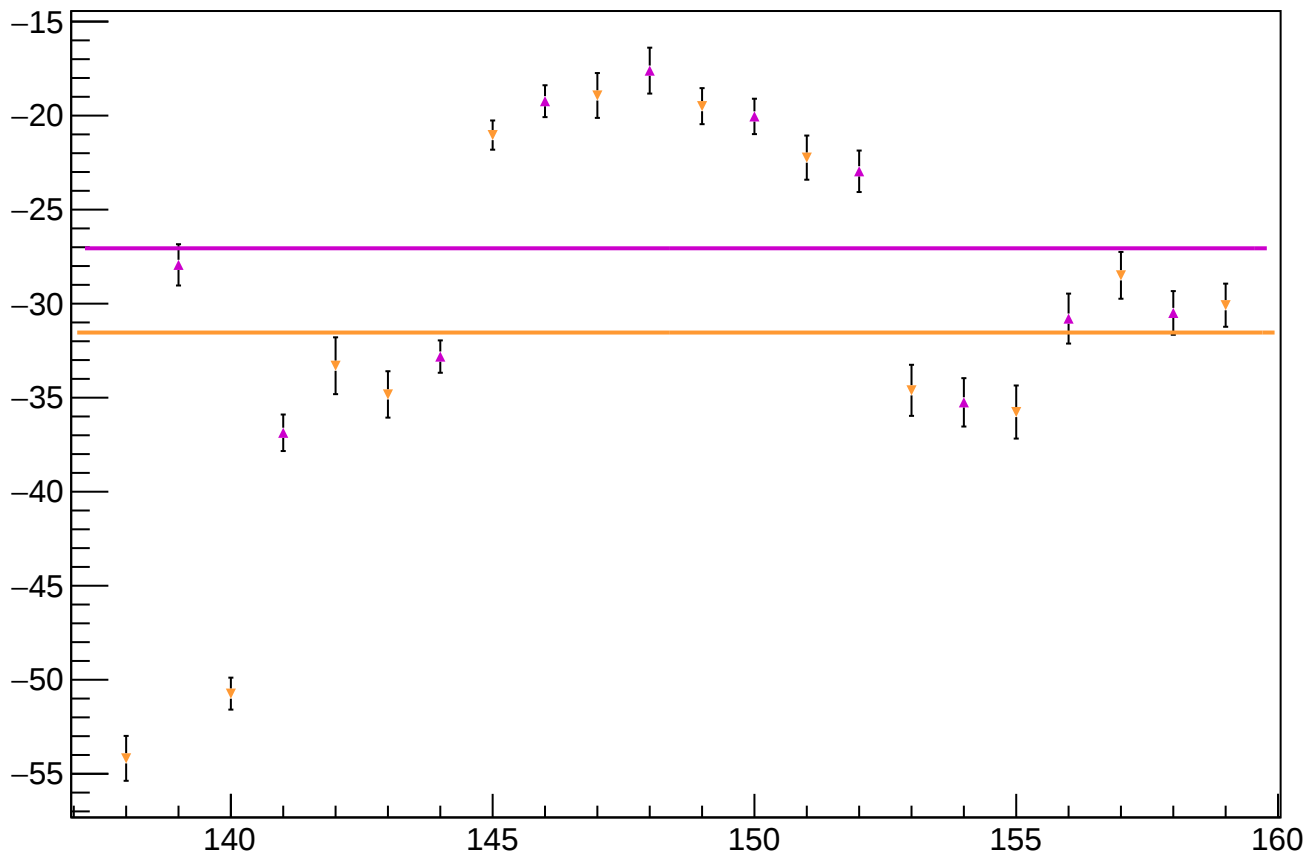
Right Out: -0.819 ± 0.024 χ^2/NDF : 1312.5/19

Left In: -0.171 ± 0.015 χ^2/NDF : 490.7/9

-0.269 ± 0.013 χ^2/NDF : 1858.3/28

-0.357 ± 0.013 χ^2/NDF : 2307.4/29

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -31.536+/-0.319 χ^2/NDF : 1415.6/11

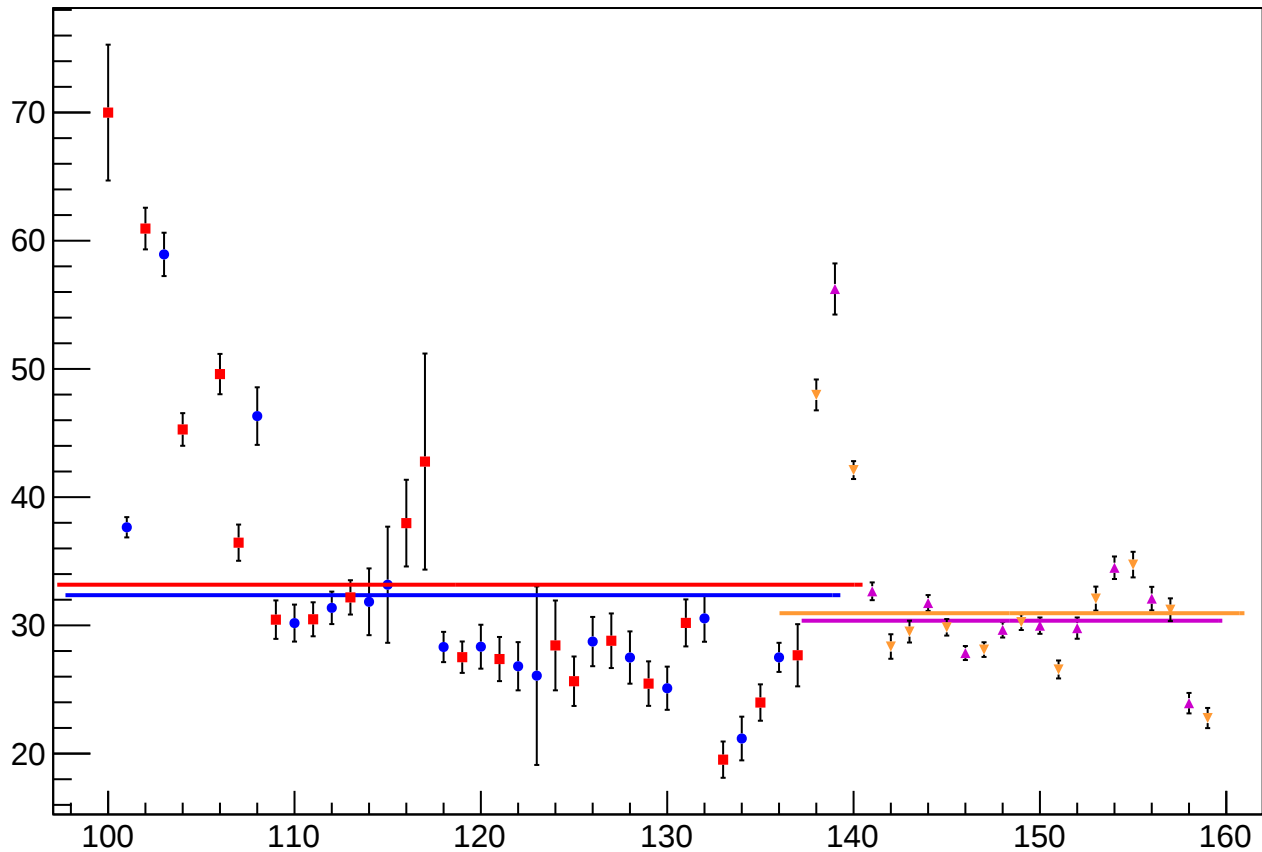
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -27.057+/-0.330 χ^2/NDF : 419.3/9

-31.536+/-0.319 χ^2/NDF : 1415.6/11

-27.057+/-0.330 χ^2/NDF : 419.3/9

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355+/-0.375 χ^2/NDF : 450.5/16

Left Out: 30.949+/-0.221 χ^2/NDF : 658.4/11

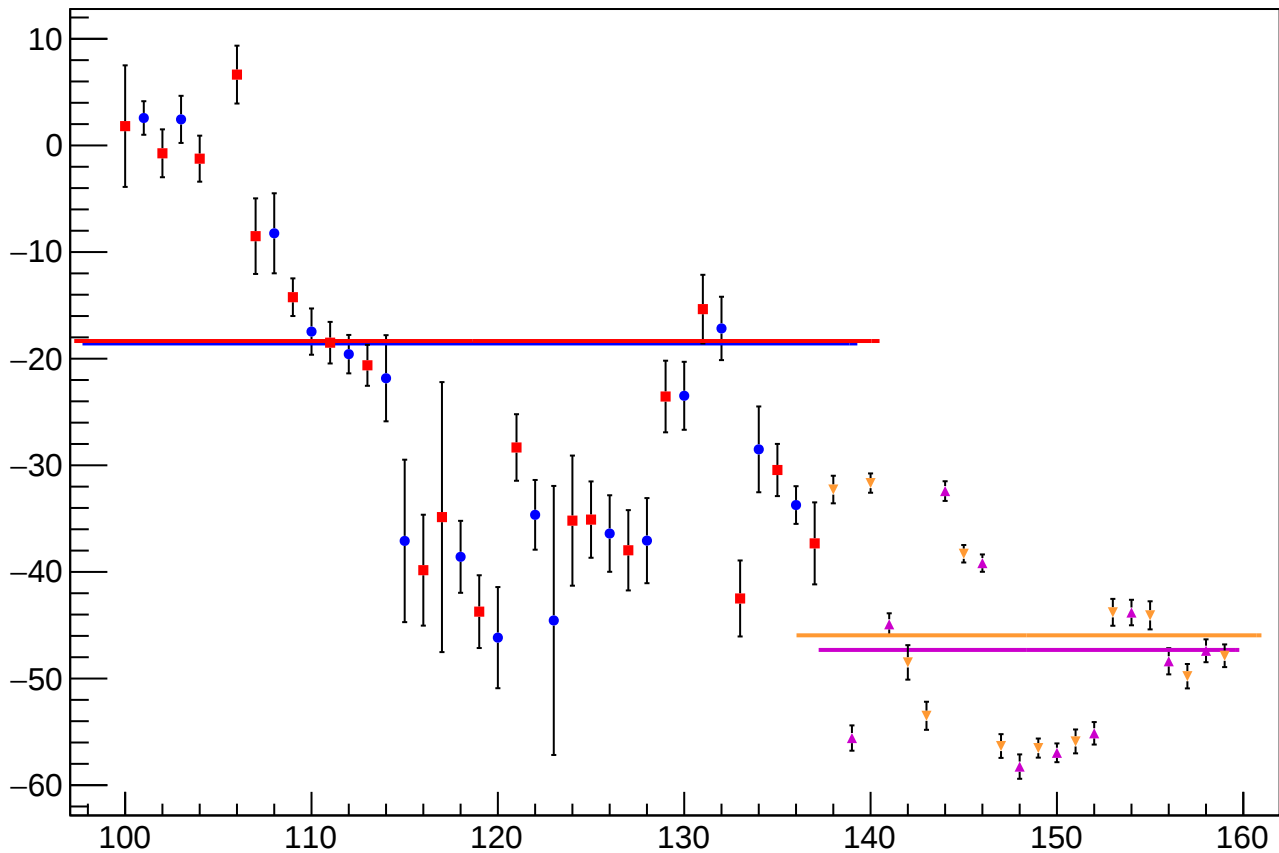
Right Out: 33.172+/-0.378 χ^2/NDF : 773.3/19

Left In: 30.364+/-0.229 χ^2/NDF : 298.6/9

31.312+/-0.191 χ^2/NDF : 1119.3/28

31.117+/-0.196 χ^2/NDF : 1112.1/29

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 $\chi^2/\text{NDF}: 511.5/16$

Left Out: -45.914 ± 0.317 $\chi^2/\text{NDF}: 807.2/11$

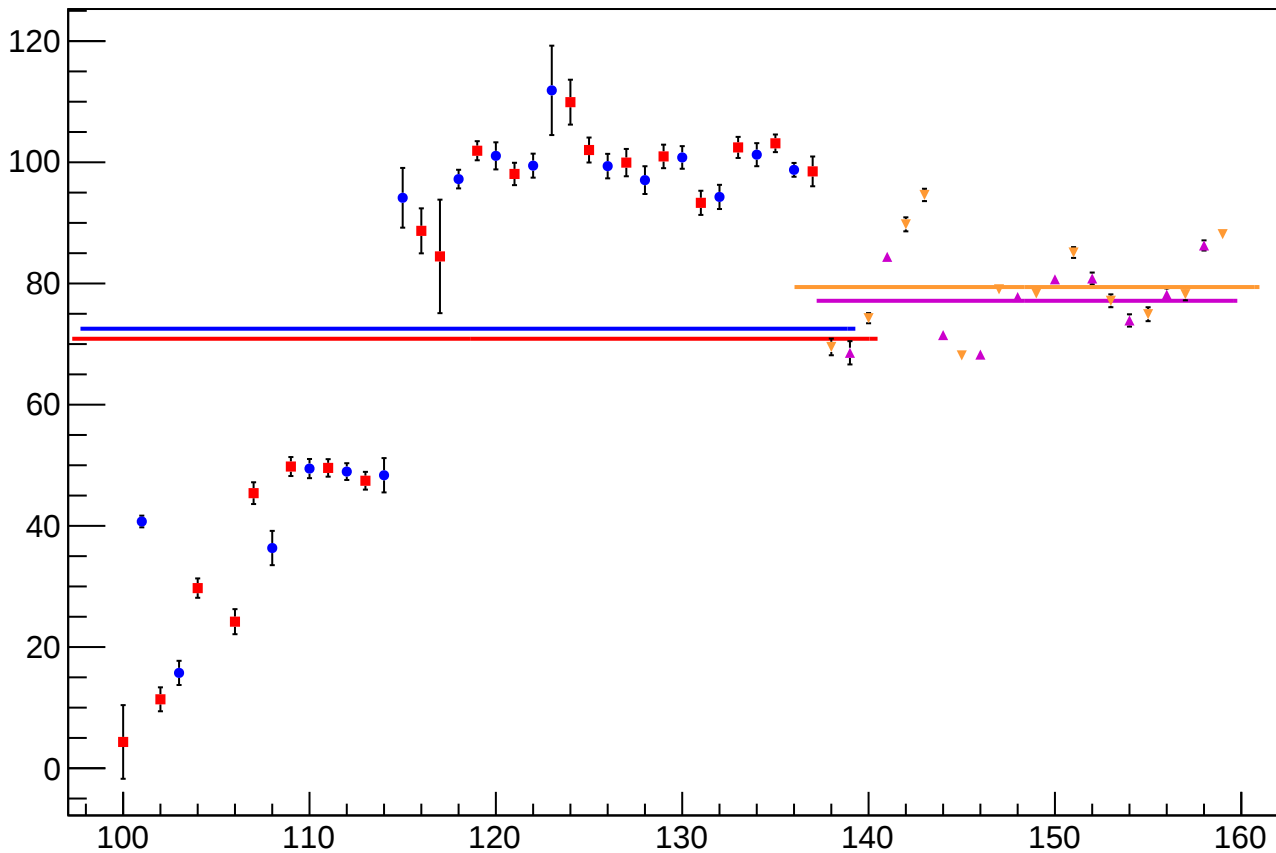
Right Out: -18.343 ± 0.643 $\chi^2/\text{NDF}: 475.1/19$

Left In: -47.317 ± 0.324 $\chi^2/\text{NDF}: 690.8/9$

-40.914 ± 0.286 $\chi^2/\text{NDF}: 2691.5/28$

-41.445 ± 0.289 $\chi^2/\text{NDF}: 2784.8/29$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537 $\pm$ 0.428 χ^2 /NDF: 4684.1/16

Left Out: 79.412 $\pm$ 0.265 χ^2 /NDF: 798.5/11

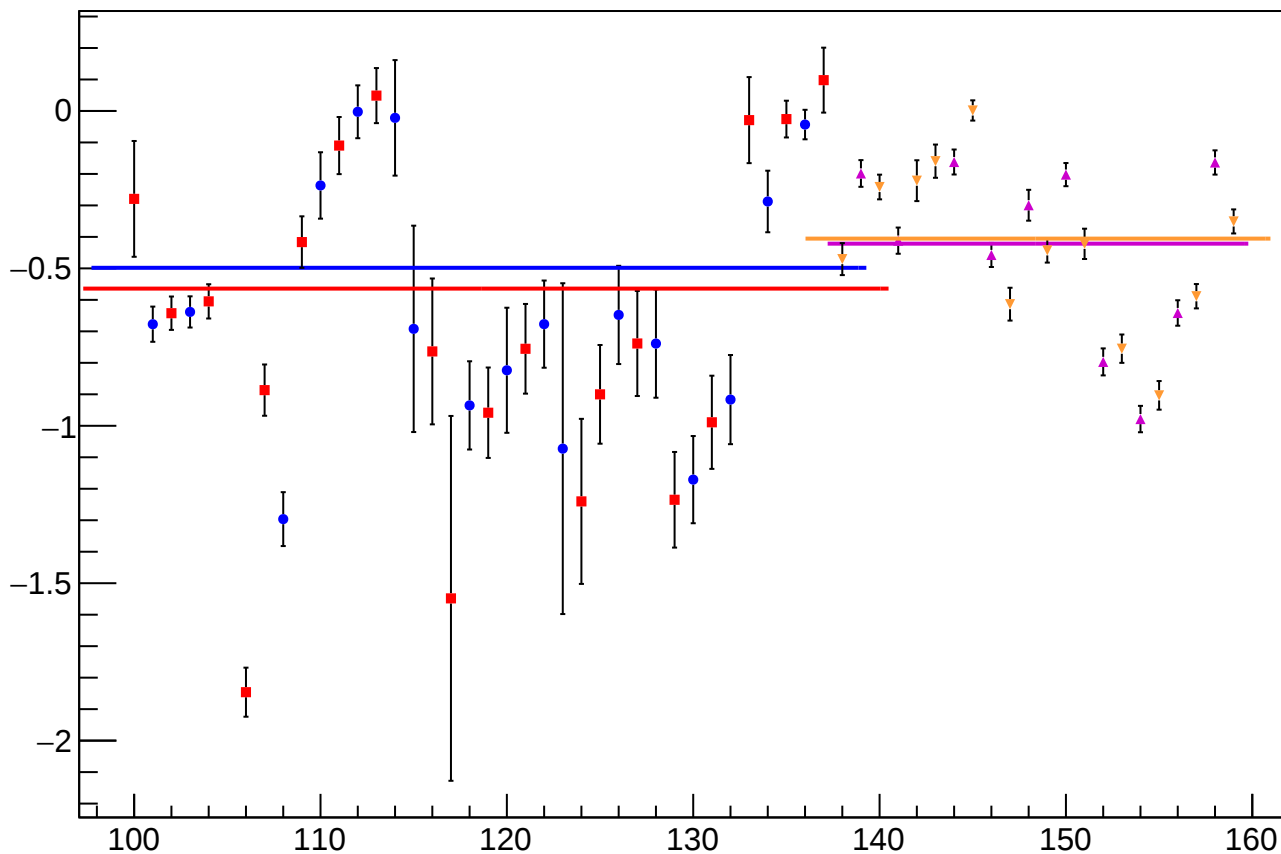
Right Out: 70.878 $\pm$ 0.433 χ^2 /NDF: 5502.3/19

Left In: 77.144 $\pm$ 0.273 χ^2 /NDF: 495.5/9

77.509 $\pm$ 0.225 χ^2 /NDF: 5669.0/28

75.359 $\pm$ 0.231 χ^2 /NDF: 6147.7/29

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498+/-0.022 χ^2/NDF : 302.8/16

Left Out: -0.405+/-0.013 χ^2/NDF : 430.5/11

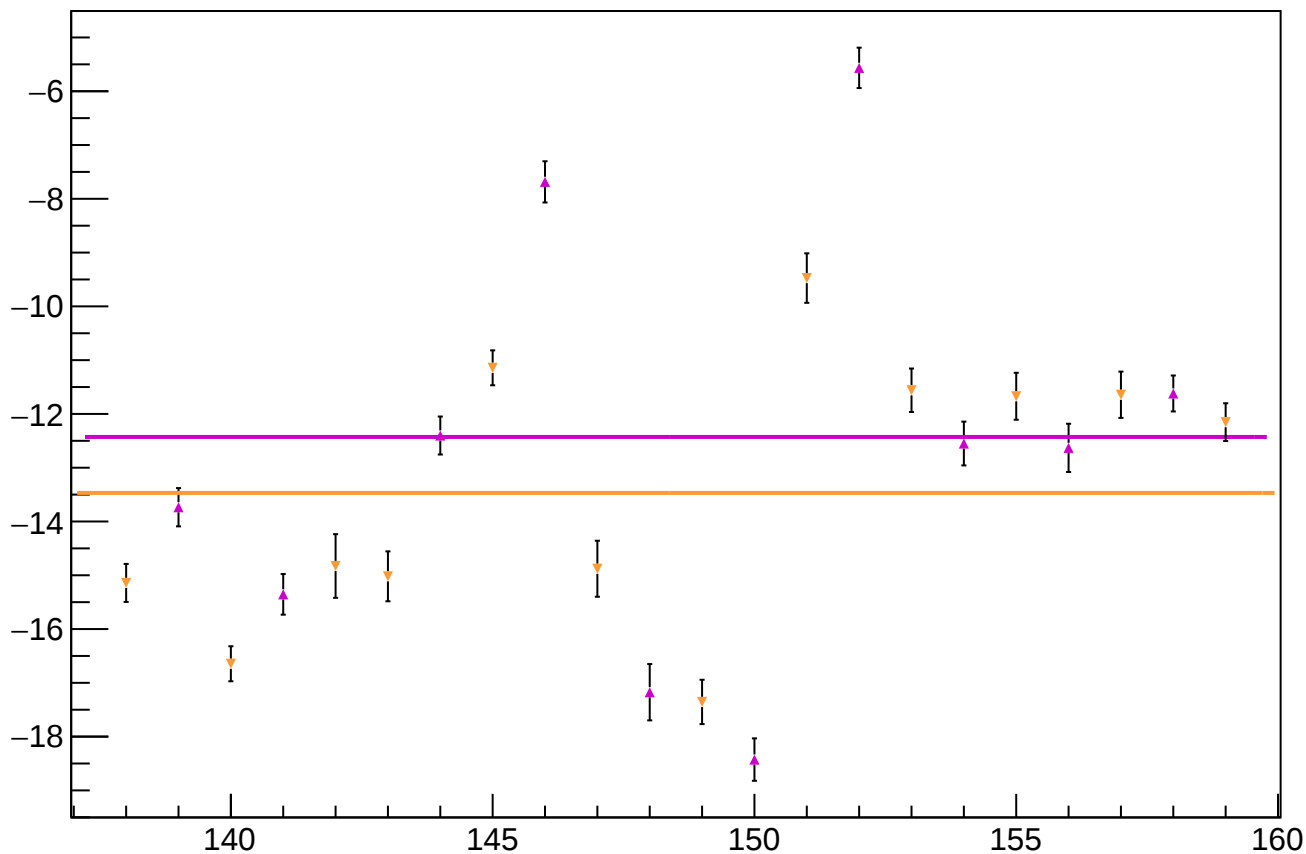
Right Out: -0.564+/-0.021 χ^2/NDF : 563.6/19

Left In: -0.421+/-0.013 χ^2/NDF : 441.0/9

-0.428+/-0.011 χ^2/NDF : 746.4/28

-0.459+/-0.011 χ^2/NDF : 1037.2/29

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



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

Left Out: -13.469+/-0.117 χ^2/NDF : 428.5/11

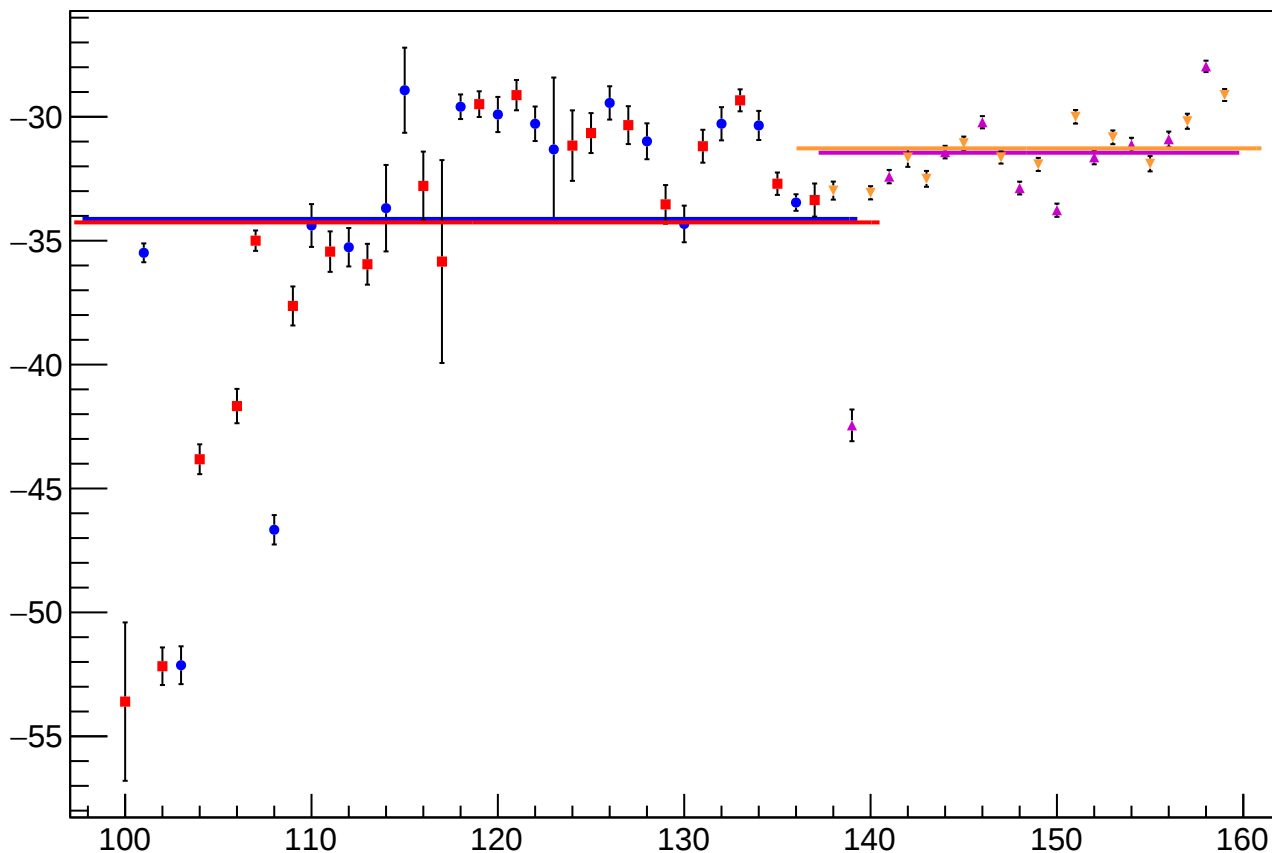
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -12.428+/-0.122 χ^2/NDF : 880.2/9

-13.469+/-0.117 χ^2/NDF : 428.5/11

-12.428+/-0.122 χ^2/NDF : 880.2/9

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.122 ± 0.152 χ^2/NDF : 1322.4/16

Left Out: -31.273 ± 0.082 χ^2/NDF : 211.6/11

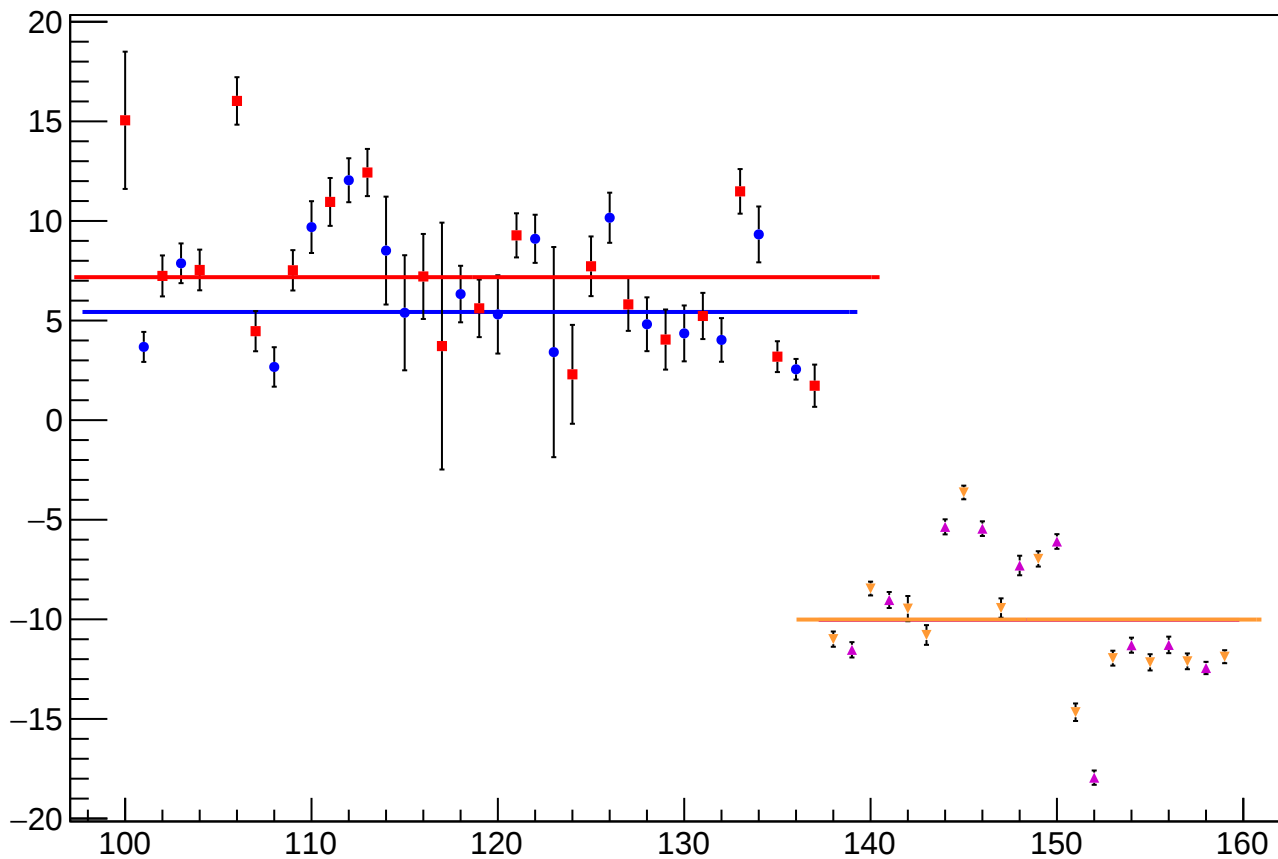
Right Out: -34.262 ± 0.151 χ^2/NDF : 1355.1/19

Left In: -31.450 ± 0.087 χ^2/NDF : 672.8/9

-31.923 ± 0.072 χ^2/NDF : 1805.8/28

-32.153 ± 0.075 χ^2/NDF : 2288.9/29

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.431 ± 0.270 $\chi^2/\text{NDF}: 132.0/16$

Left Out: -10.011 ± 0.115 $\chi^2/\text{NDF}: 666.8/11$

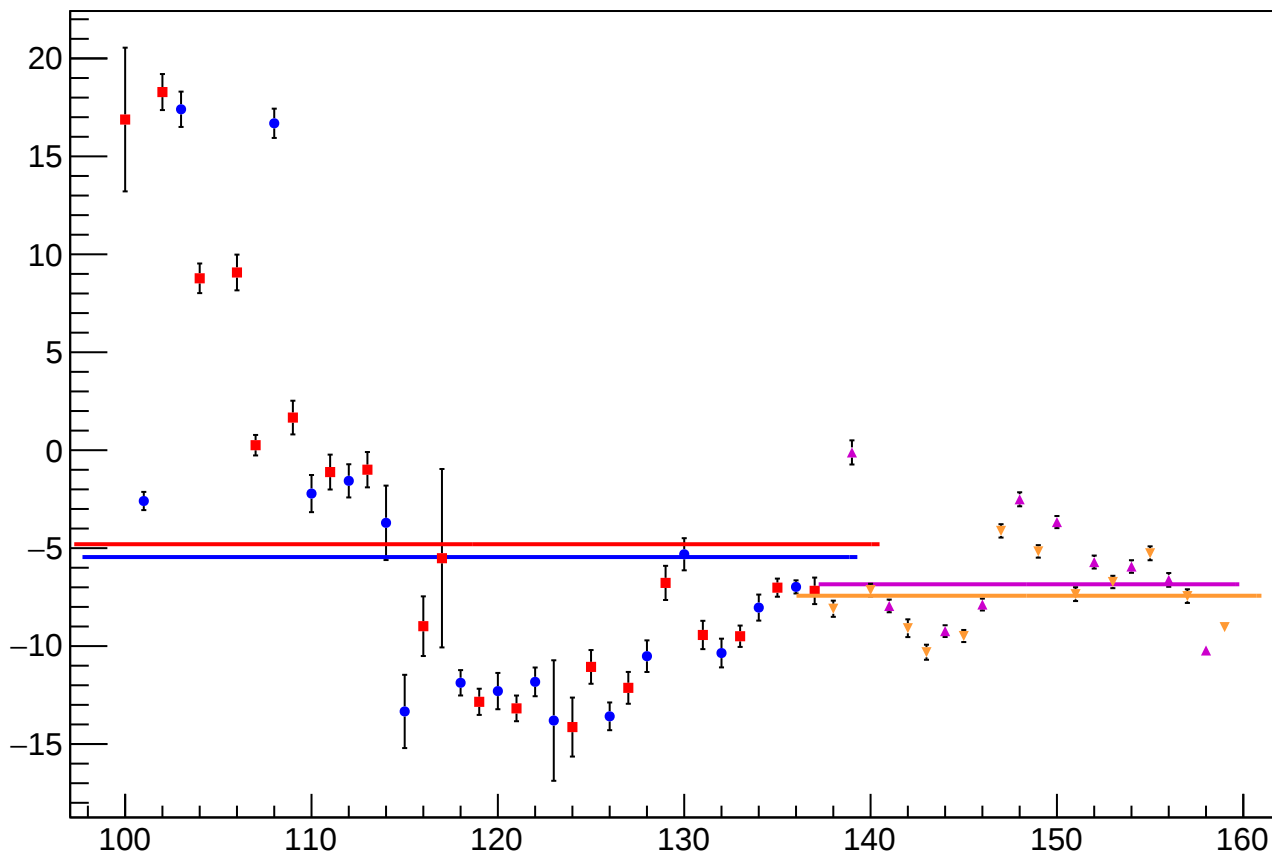
Right Out: 7.178 ± 0.274 $\chi^2/\text{NDF}: 182.4/19$

Left In: -10.031 ± 0.120 $\chi^2/\text{NDF}: 1041.5/9$

-7.636 ± 0.106 $\chi^2/\text{NDF}: 3558.8/28$

-7.277 ± 0.110 $\chi^2/\text{NDF}: 4533.2/29$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.455+/-0.171 χ^2/NDF : 2096.5/16

Left Out: -7.429+/-0.097 χ^2/NDF : 343.2/11

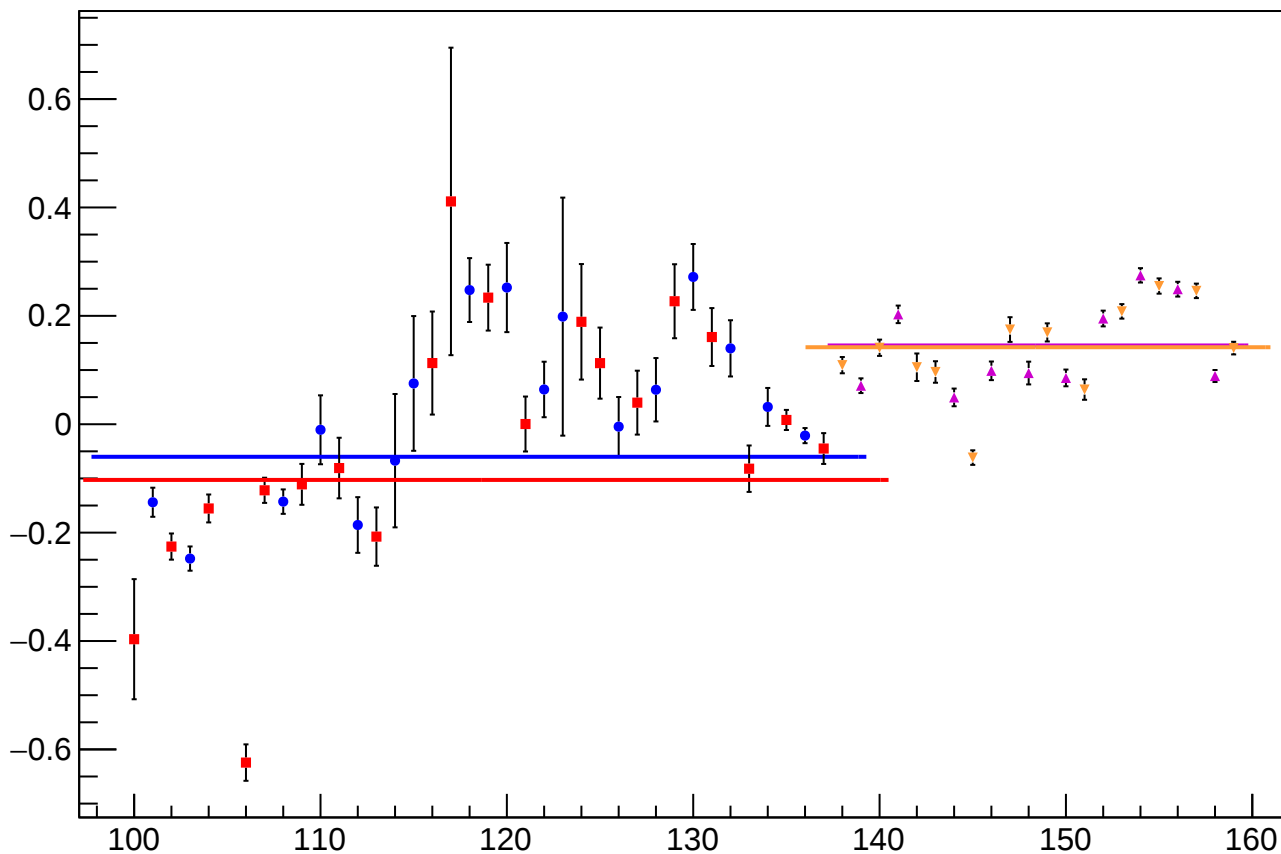
Right Out: -4.799+/-0.173 χ^2/NDF : 2047.5/19

Left In: -6.845+/-0.102 χ^2/NDF : 672.2/9

-6.946+/-0.085 χ^2/NDF : 2540.6/28

-6.316+/-0.088 χ^2/NDF : 2823.6/29

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.060 ± 0.008 χ^2/NDF : 215.5/16

Left Out: 0.142 ± 0.004 χ^2/NDF : 412.7/11

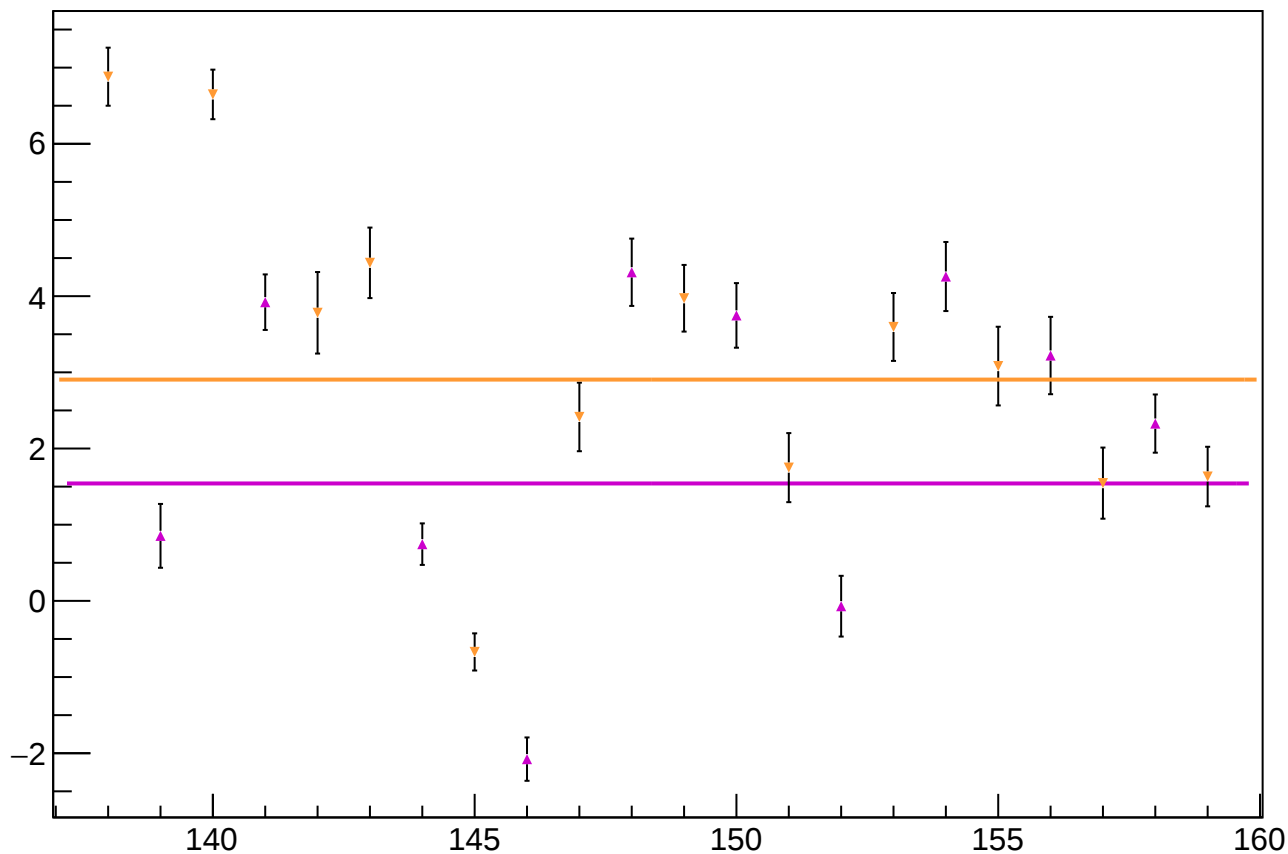
Right Out: -0.103 ± 0.008 χ^2/NDF : 437.6/19

Left In: 0.145 ± 0.005 χ^2/NDF : 295.5/9

0.098 ± 0.004 χ^2/NDF : 1079.9/28

0.088 ± 0.004 χ^2/NDF : 1398.3/29

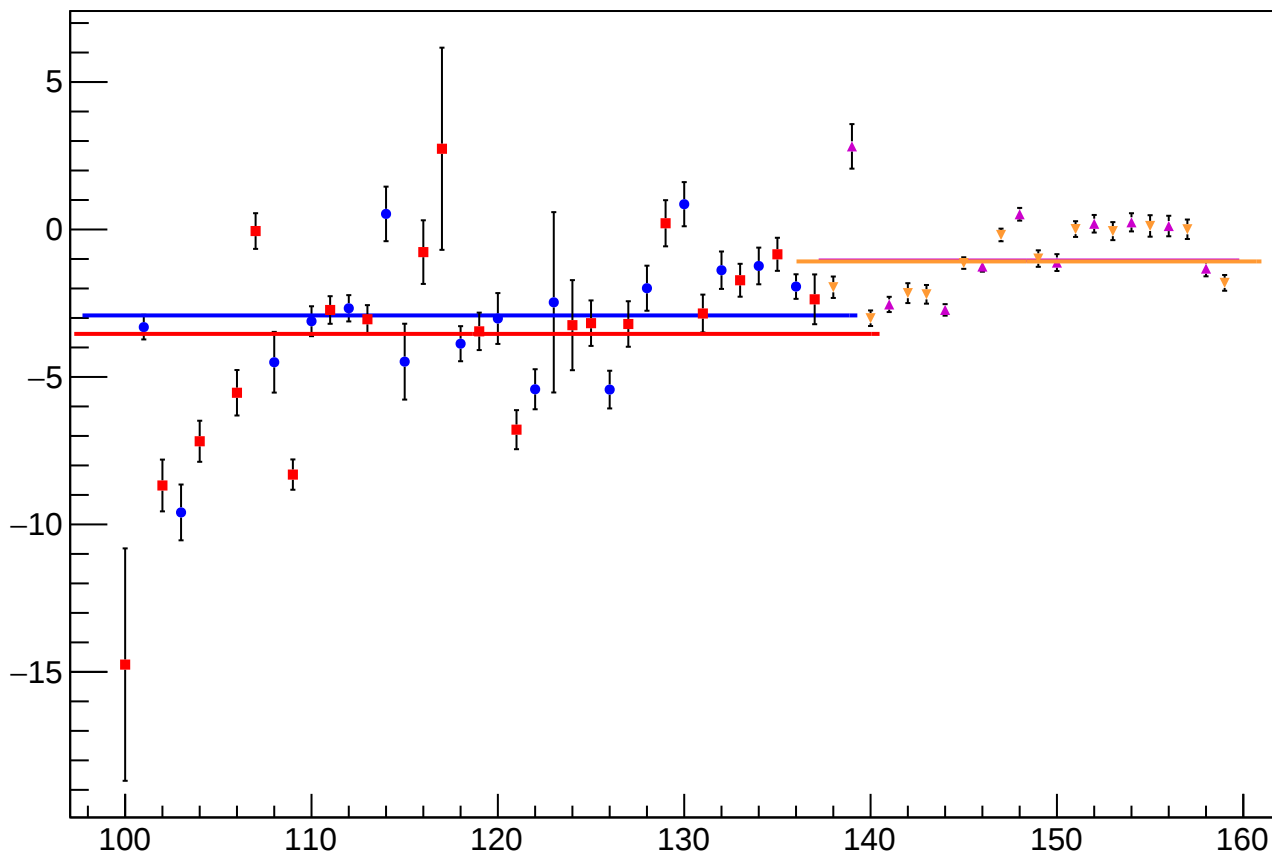
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.905 $\pm$ 0.115 χ^2 /NDF:505.1/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.541 $\pm$ 0.118 χ^2 /NDF:349.4/9

2.905 $\pm$ 0.115 χ^2 /NDF: 505.1/11
 1.541 $\pm$ 0.118 χ^2 /NDF: 349.4/9

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.083 ± 0.080 χ^2/NDF : 156.9/11

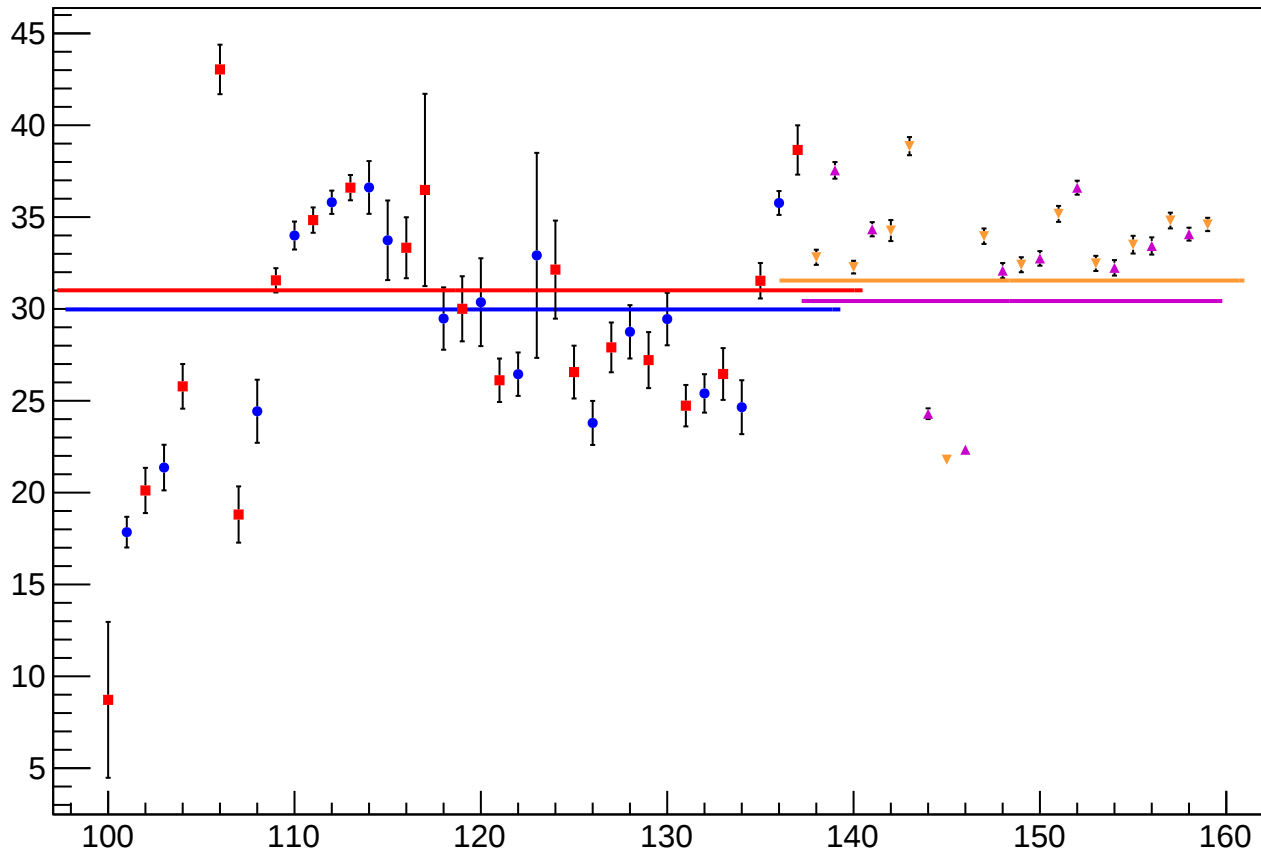
Right Out: -3.540 ± 0.154 χ^2/NDF : 294.2/19

Left In: -1.052 ± 0.080 χ^2/NDF : 235.2/9

-1.468 ± 0.071 χ^2/NDF : 413.5/28

-1.583 ± 0.071 χ^2/NDF : 733.6/29

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 ± 0.267 $\chi^2/\text{NDF}: 554.3/16$

Left Out: 31.546 ± 0.114 $\chi^2/\text{NDF}: 1923.3/11$

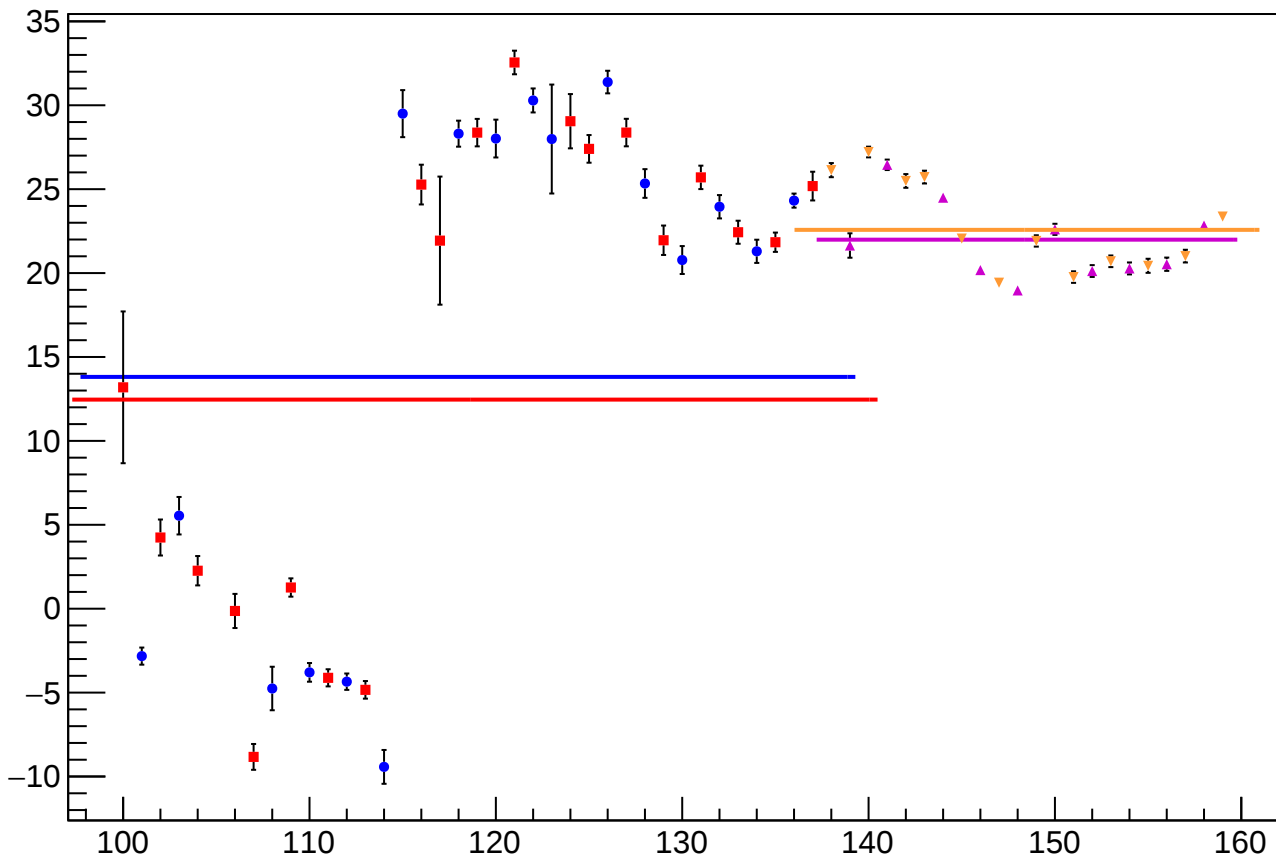
Right Out: 31.013 ± 0.260 $\chi^2/\text{NDF}: 480.6/19$

Left In: 30.430 ± 0.116 $\chi^2/\text{NDF}: 2144.5/9$

31.302 ± 0.105 $\chi^2/\text{NDF}: 2506.9/28$

30.527 ± 0.106 $\chi^2/\text{NDF}: 2629.3/29$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 22.576 $\pm$ 0.095 χ^2 /NDF: 671.0/11

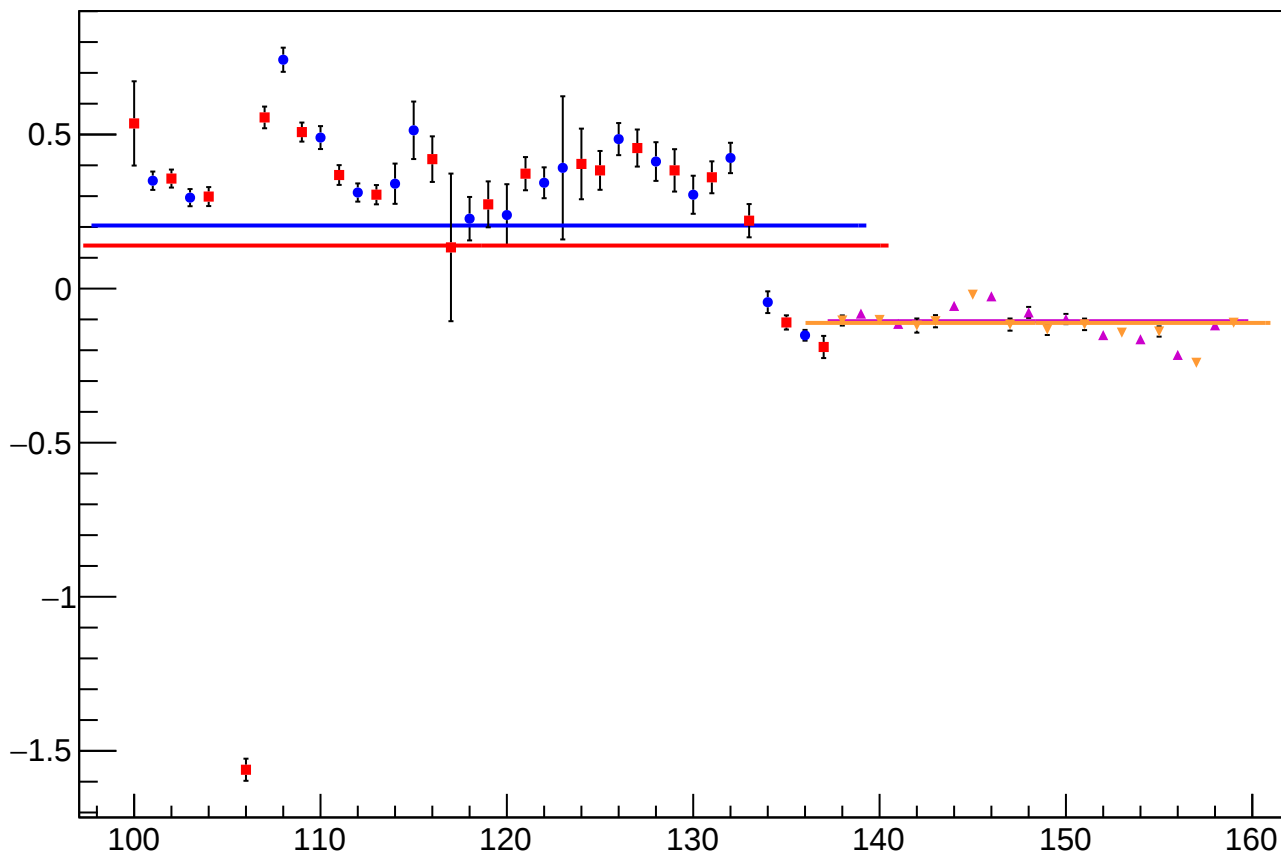
Right Out: 12.460 $\pm$ 0.174 χ^2 /NDF: 6976.5/19

Left In: 21.991 $\pm$ 0.097 χ^2 /NDF: 568.7/9

20.528 $\pm$ 0.083 χ^2 /NDF: 9963.2/28

19.735 $\pm$ 0.084 χ^2 /NDF: 9847.5/29

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.205+/-0.009 χ^2/NDF : 845.8/16

Left Out: -0.111+/-0.004 χ^2/NDF : 170.4/11

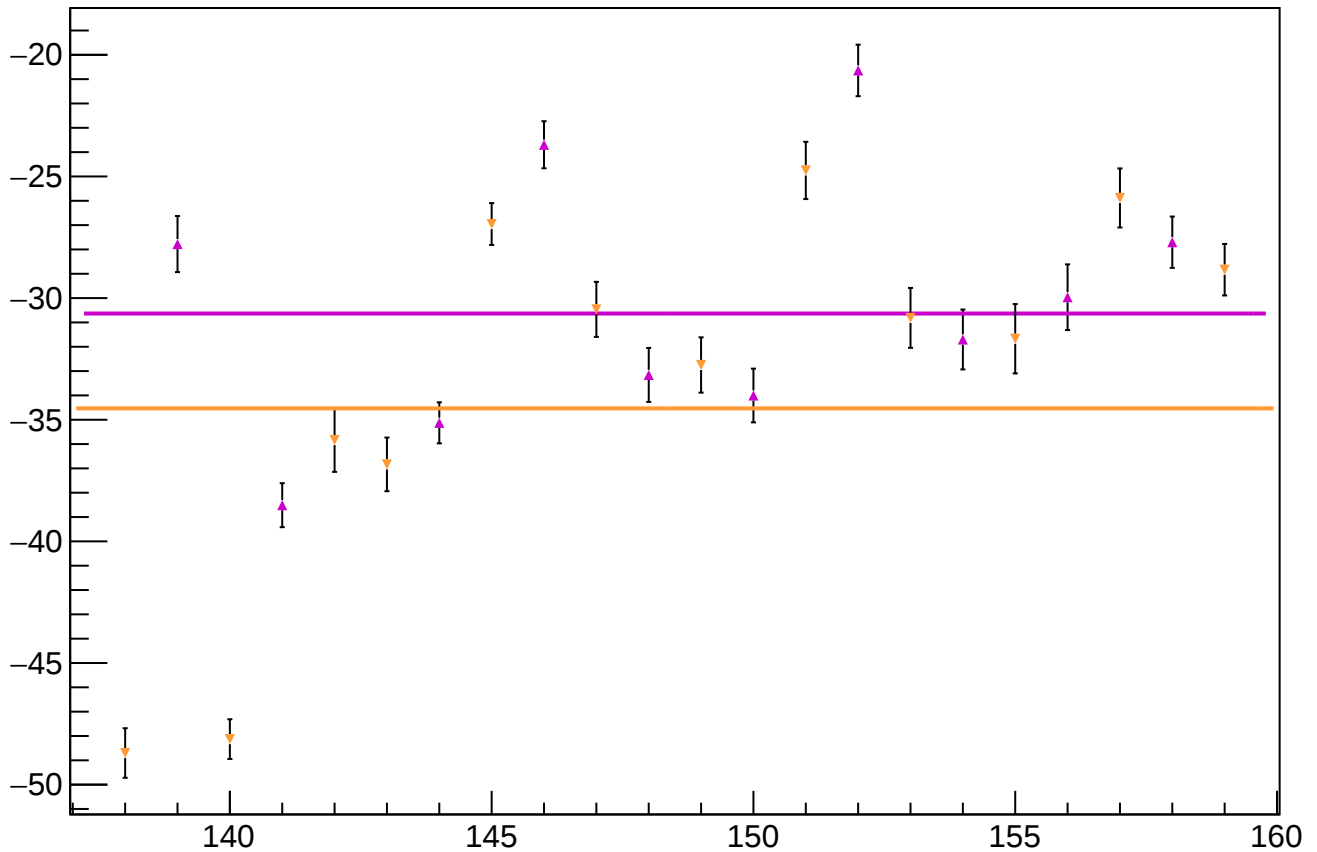
Right Out: 0.140+/-0.009 χ^2/NDF : 3014.2/19

Left In: -0.106+/-0.005 χ^2/NDF : 136.7/9

-0.052+/-0.004 χ^2/NDF : 1940.7/28

-0.056+/-0.004 χ^2/NDF : 3718.2/29

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



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

Left Out: -34.533+/-0.313 χ^2/NDF : 730.8/11

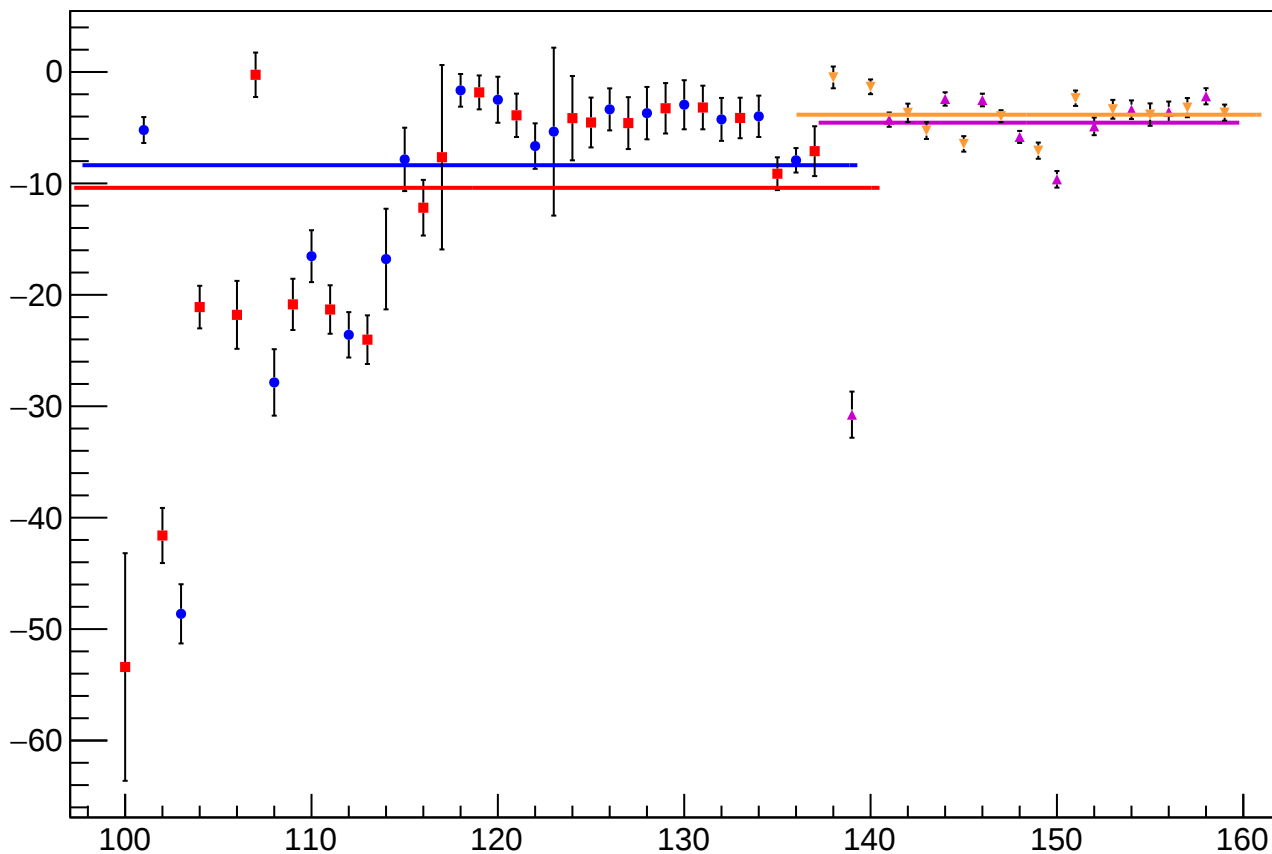
-34.533+/-0.313 χ^2/NDF : 730.8/11

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

Left In: -30.634+/-0.332 χ^2/NDF : 274.1/9

-30.634+/-0.332 χ^2/NDF : 274.1/9

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -3.834 ± 0.214 χ^2/NDF : 69.2/11

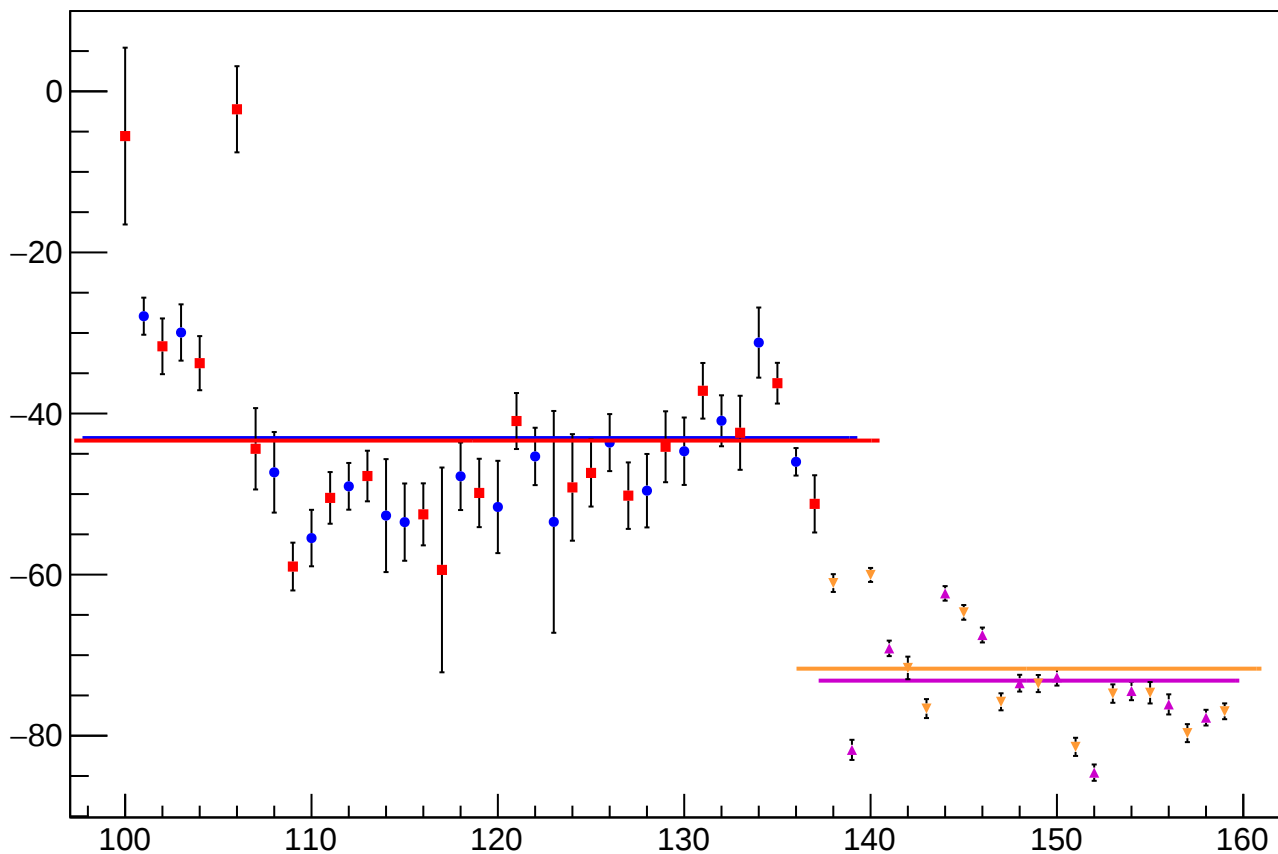
Right Out: -10.396 ± 0.490 χ^2/NDF : 430.4/19

Left In: -4.550 ± 0.224 χ^2/NDF : 252.0/9

-4.626 ± 0.195 χ^2/NDF : 556.0/28

-5.562 ± 0.204 χ^2/NDF : 800.1/29

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.047 $\pm$ 0.837 χ^2/NDF : 99.0/16

Left Out: -71.675 $\pm$ 0.311 χ^2/NDF : 533.0/11

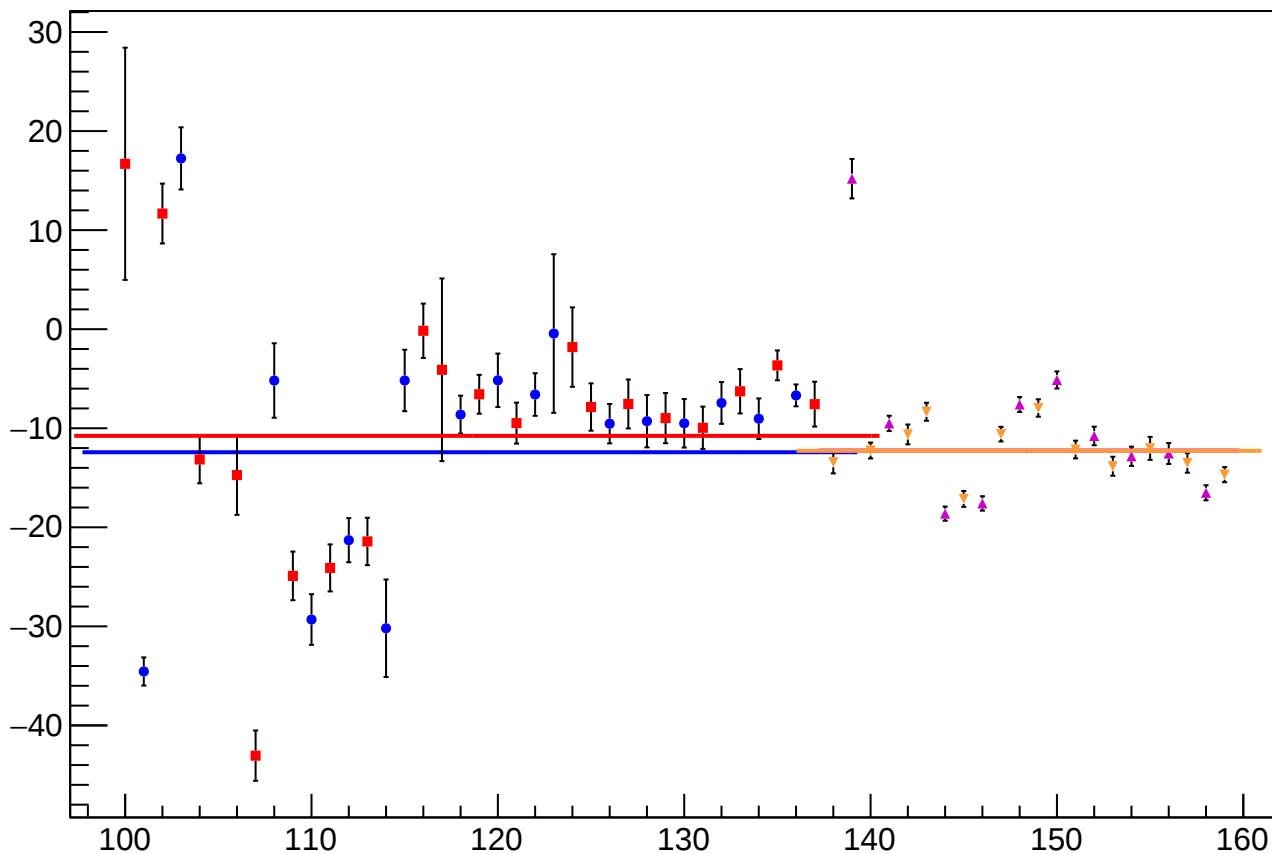
Right Out: -43.357 $\pm$ 0.865 χ^2/NDF : 156.0/19

Left In: -73.163 $\pm$ 0.326 χ^2/NDF : 402.6/9

-68.196 $\pm$ 0.292 χ^2/NDF : 1659.1/28

-69.457 $\pm$ 0.305 χ^2/NDF : 1597.9/29

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.421 ± 0.523 $\chi^2/\text{NDF}: 474.4/16$

Left Out: -12.280 ± 0.258 $\chi^2/\text{NDF}: 102.8/11$

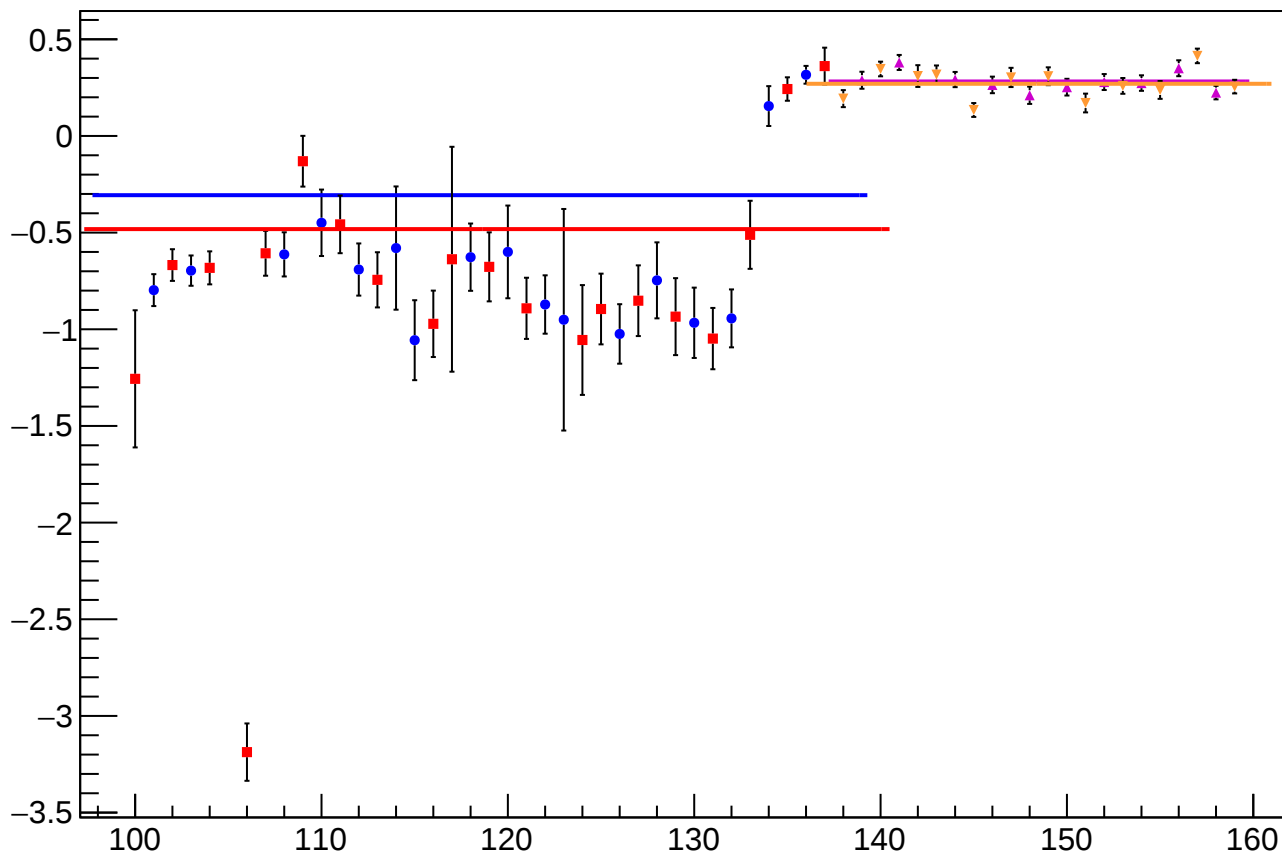
Right Out: -10.766 ± 0.553 $\chi^2/\text{NDF}: 366.3/19$

Left In: -12.250 ± 0.270 $\chi^2/\text{NDF}: 476.2/9$

-12.307 ± 0.231 $\chi^2/\text{NDF}: 577.2/28$

-11.964 ± 0.243 $\chi^2/\text{NDF}: 848.4/29$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.306+/-0.028 χ^2/NDF : 371.7/16

Left Out: 0.270+/-0.012 χ^2/NDF : 43.6/11

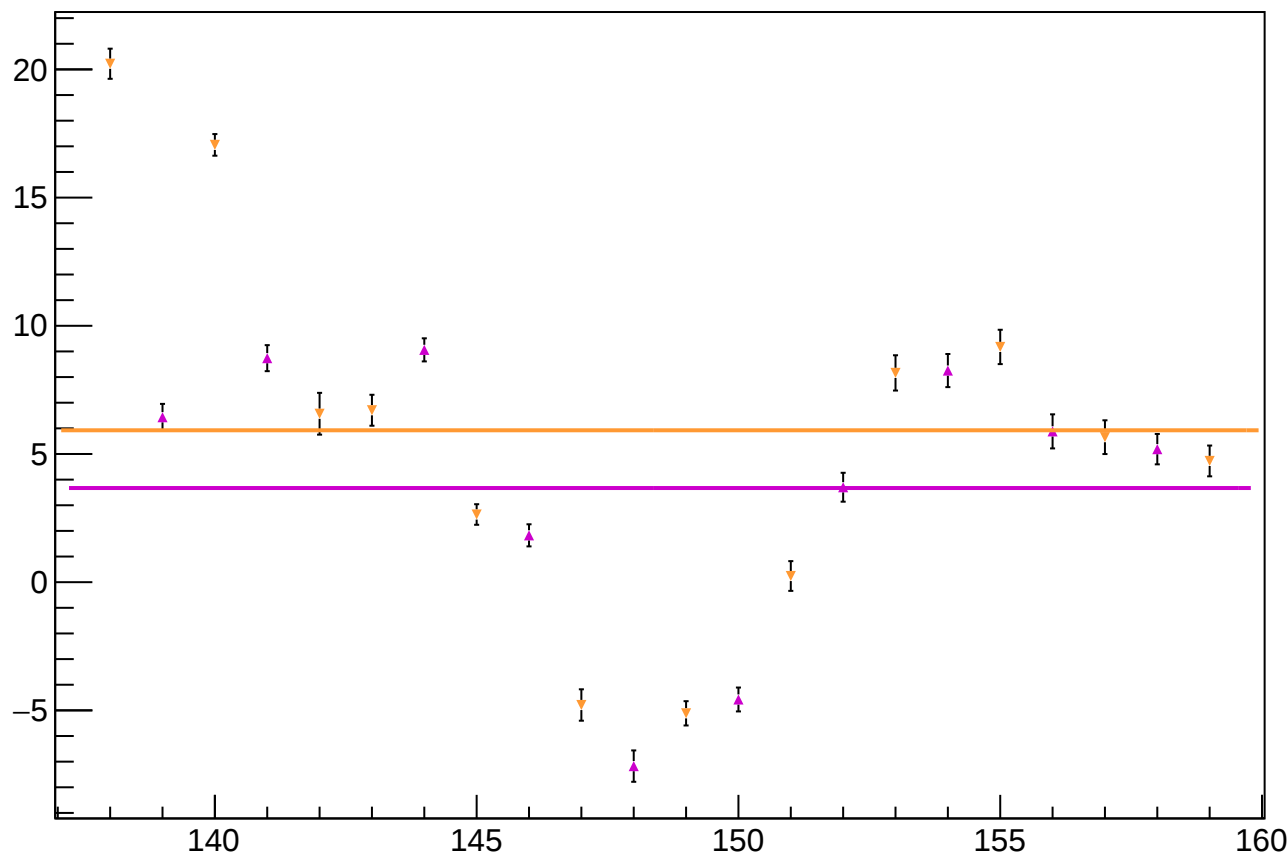
Right Out: -0.482+/-0.029 χ^2/NDF : 628.3/19

Left In: 0.282+/-0.013 χ^2/NDF : 15.2/9

0.174+/-0.011 χ^2/NDF : 779.8/28

0.153+/-0.012 χ^2/NDF : 1237.4/29

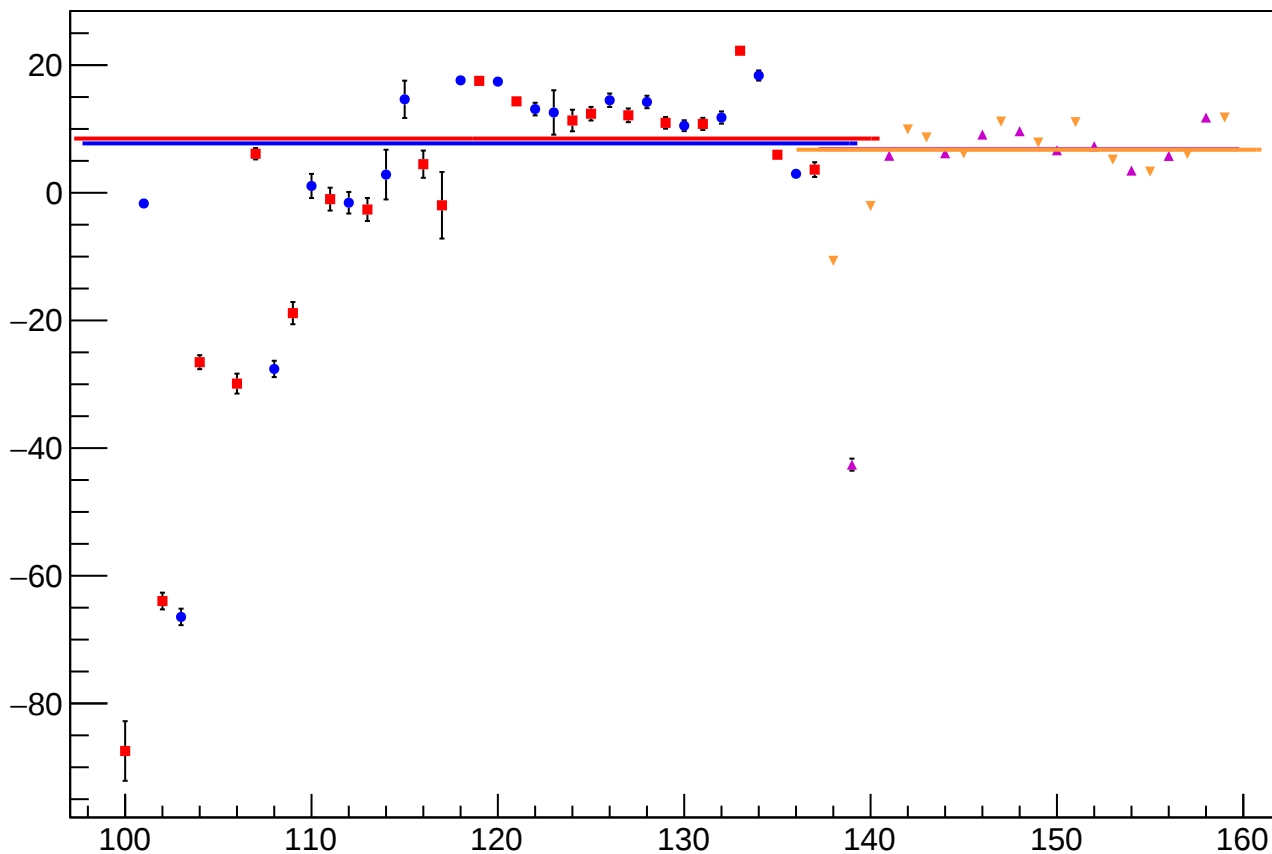
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.924 $\pm$ 0.161 χ^2 /NDF:2340.0/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.672 $\pm$ 0.167 χ^2 /NDF:984.8/9

5.924 $\pm$ 0.161 χ^2 /NDF: 2340.0/11
 3.672 $\pm$ 0.167 χ^2 /NDF: 984.8/9

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 ± 0.218 $\chi^2/\text{NDF}: 5300.6/16$

Left Out: 6.751 ± 0.112 $\chi^2/\text{NDF}: 2158.5/11$

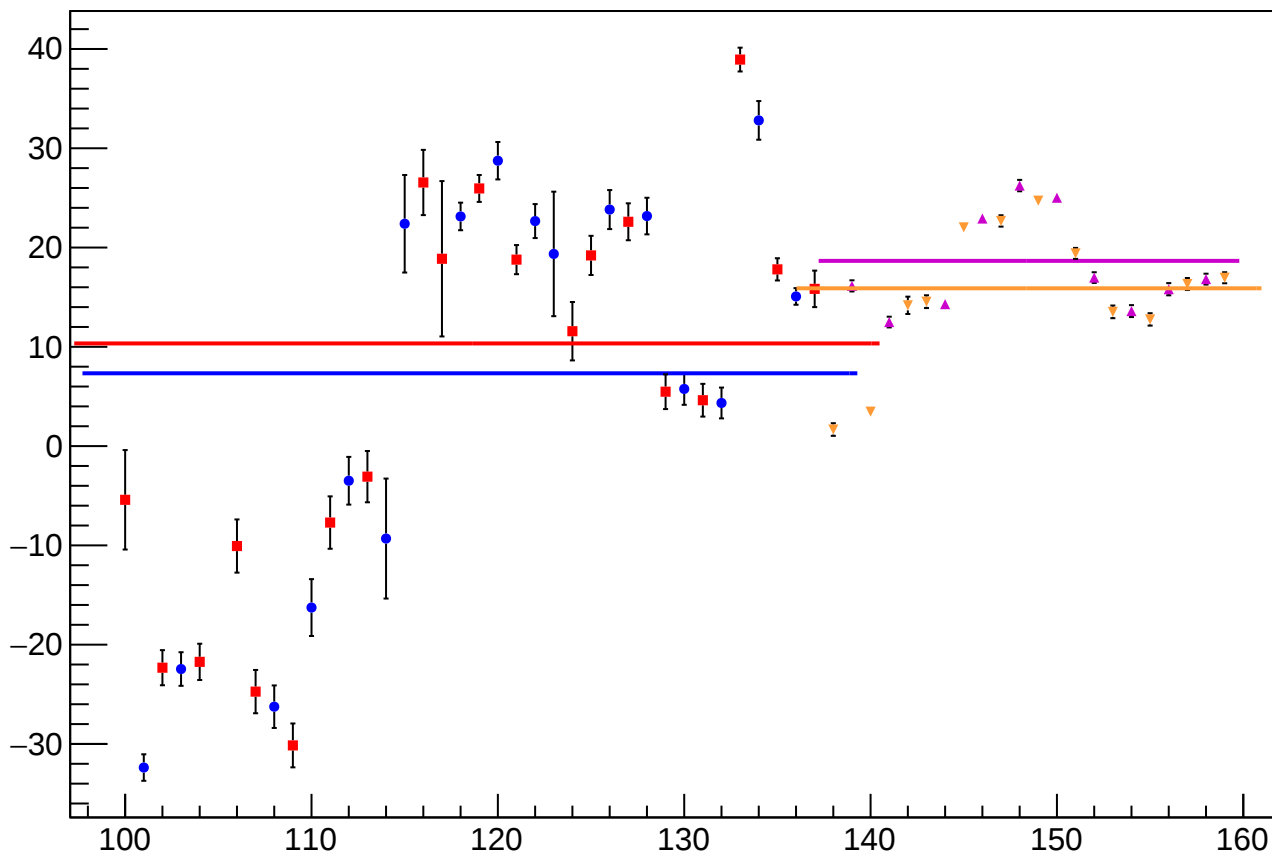
Right Out: 8.496 ± 0.213 $\chi^2/\text{NDF}: 6723.5/19$

Left In: 6.830 ± 0.116 $\chi^2/\text{NDF}: 3115.9/9$

6.957 ± 0.100 $\chi^2/\text{NDF}: 7475.3/28$

7.213 ± 0.102 $\chi^2/\text{NDF}: 9886.5/29$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.333+/-0.419 χ^2/NDF : 2293.1/16

Left Out: 15.895+/-0.160 χ^2/NDF :2100.0/11

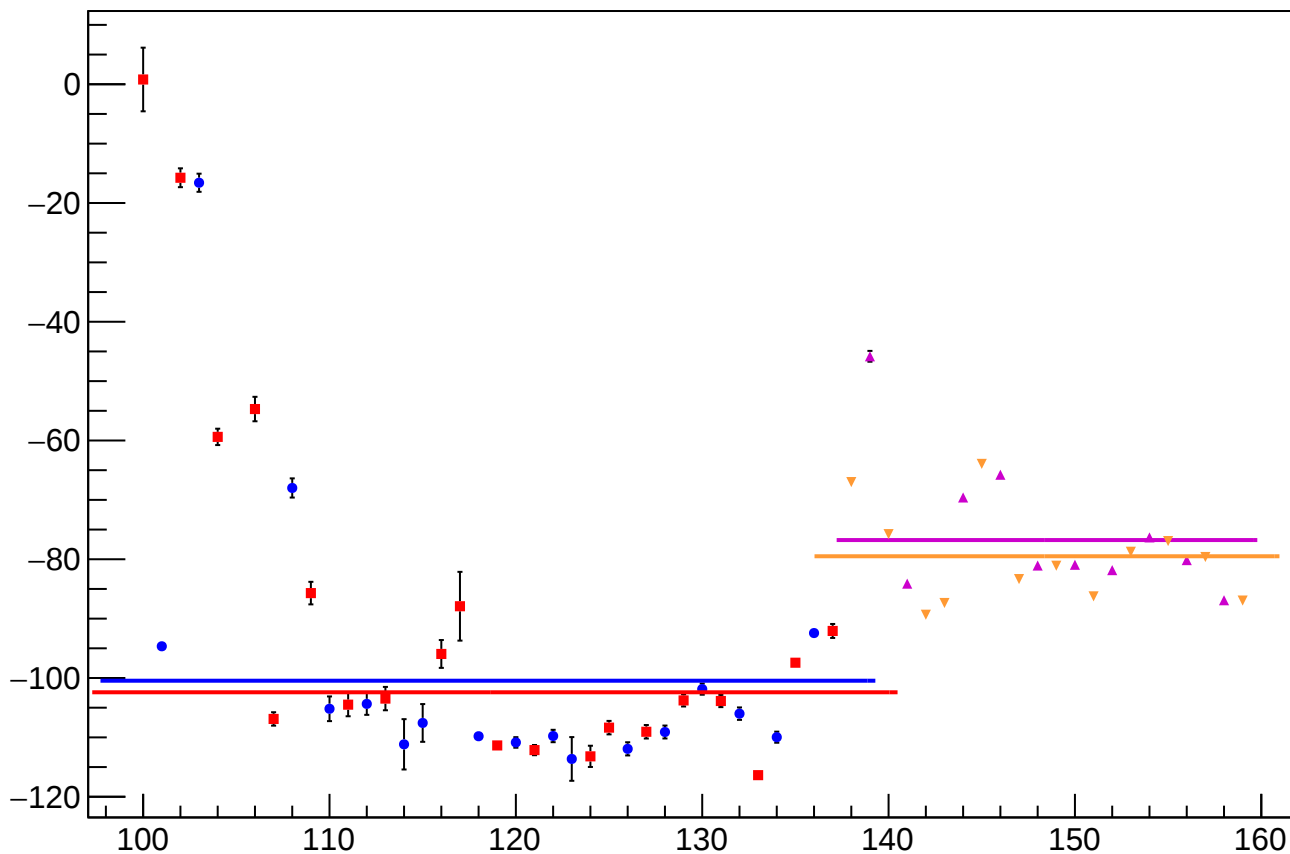
Right Out: 10.342+/-0.416 χ^2/NDF : 2282.7/19

Left In: 18.658+/-0.164 χ^2/NDF :839.3/9

14.804+/-0.149 χ^2/NDF : 4758.2/28

17.542+/-0.153 χ^2/NDF : 3467.6/29

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.457 ± 0.251 $\chi^2/\text{NDF}: 4461.1/16$

Left Out: -79.496 ± 0.134 $\chi^2/\text{NDF}: 3262.3/11$

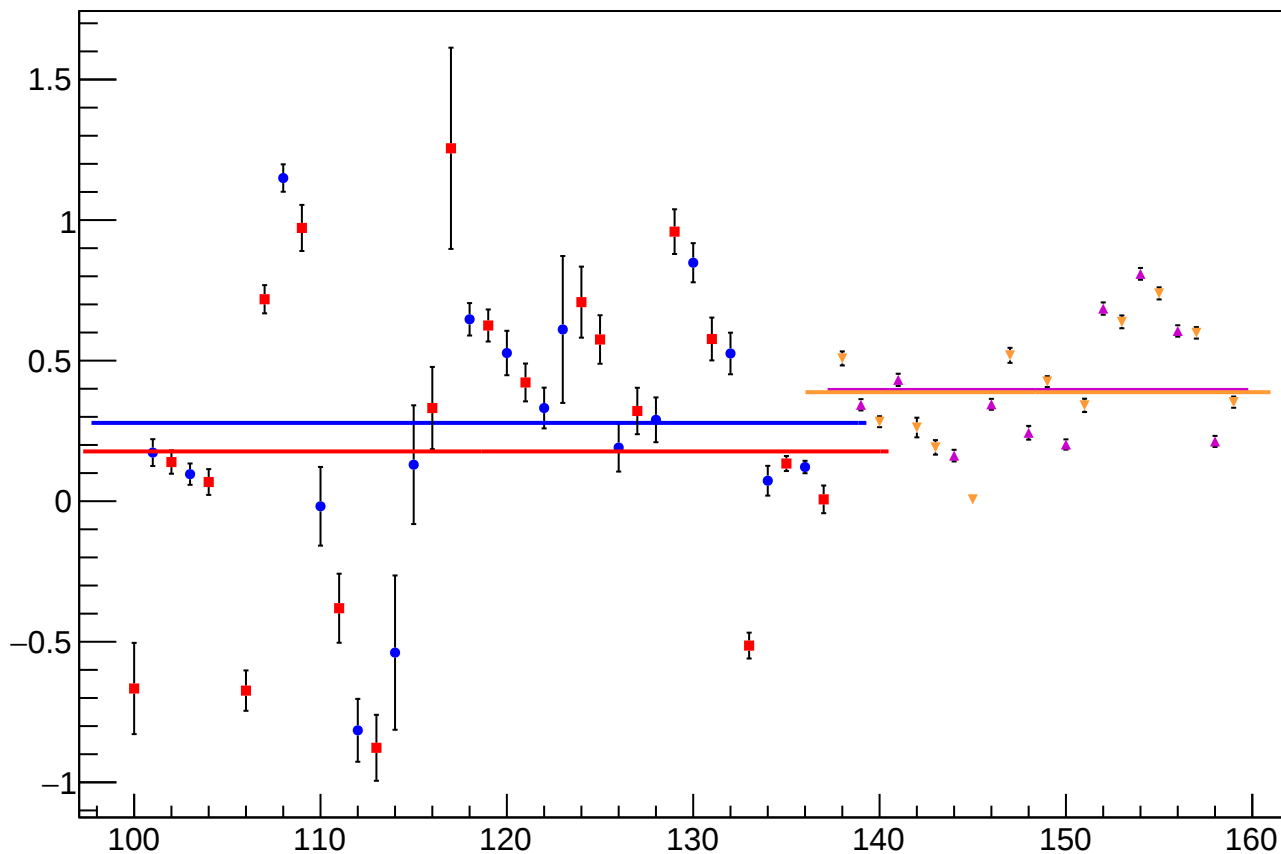
Right Out: -102.405 ± 0.246 $\chi^2/\text{NDF}: 6100.6/19$

Left In: -76.766 ± 0.139 $\chi^2/\text{NDF}: 3756.5/9$

-84.154 ± 0.118 $\chi^2/\text{NDF}: 13158.5/28$

-82.956 ± 0.121 $\chi^2/\text{NDF}: 18094.3/29$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.388 ± 0.006 χ^2/NDF : 1173.9/11

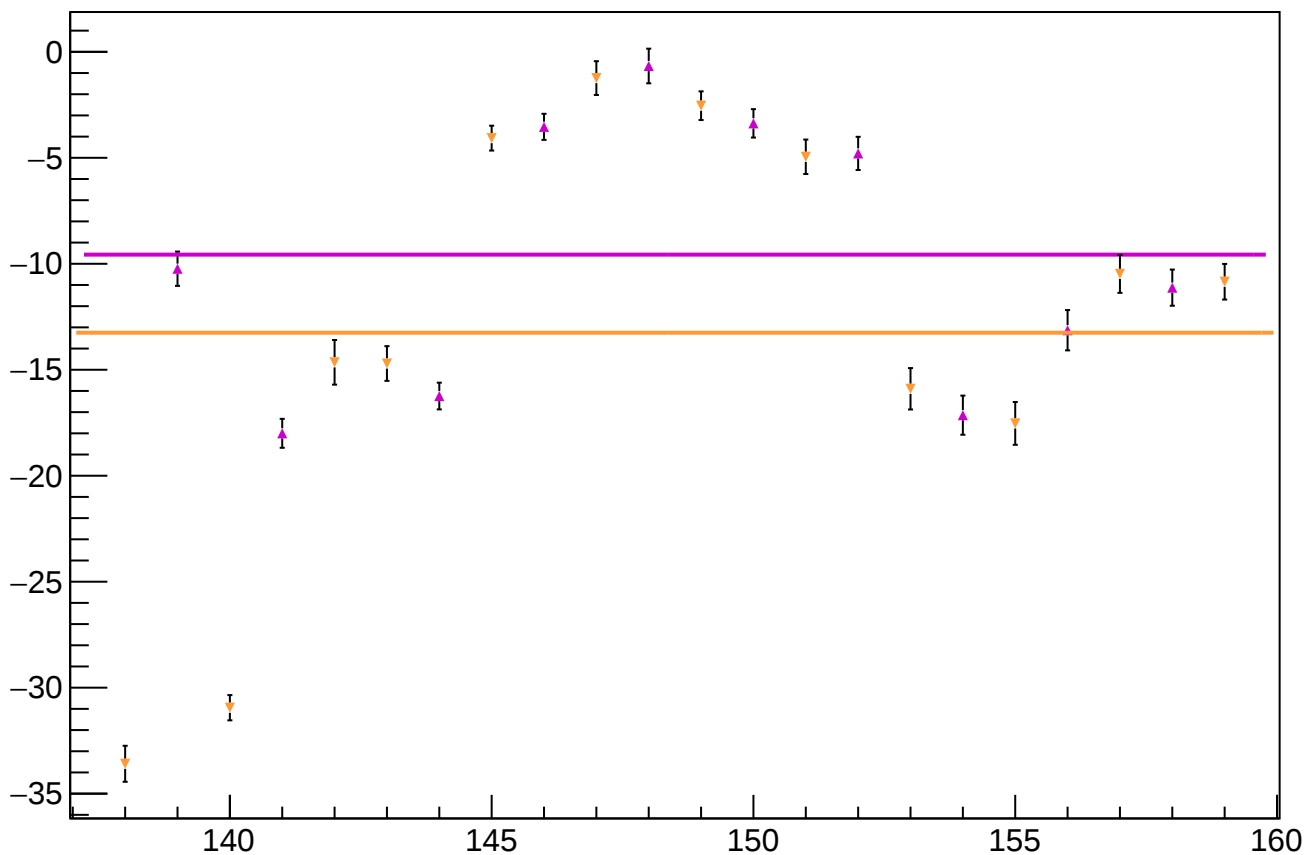
Right Out: 0.177 ± 0.013 χ^2/NDF : 976.8/19

Left In: 0.396 ± 0.007 χ^2/NDF : 1048.8/9

0.368 ± 0.006 χ^2/NDF : 1881.4/28

0.354 ± 0.006 χ^2/NDF : 2239.5/29

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -13.252+/-0.227 χ^2/NDF : 2329.4/11

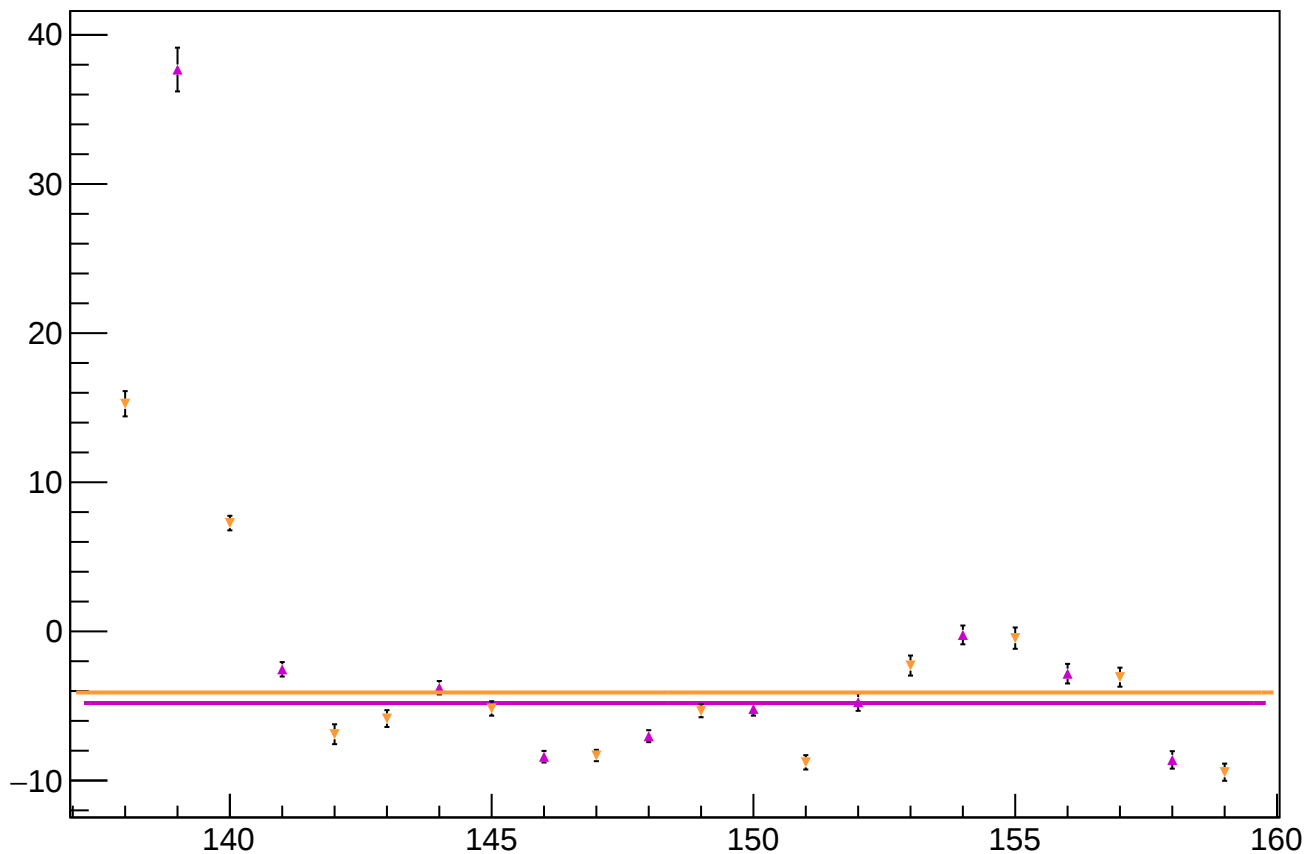
-13.252+/-0.227 χ^2/NDF : 2329.4/11

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

Left In: -9.568+/-0.237 χ^2/NDF : 687.2/9

-9.568+/-0.237 χ^2/NDF : 687.2/9

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -4.095+/-0.155 χ^2/NDF :1442.1/11

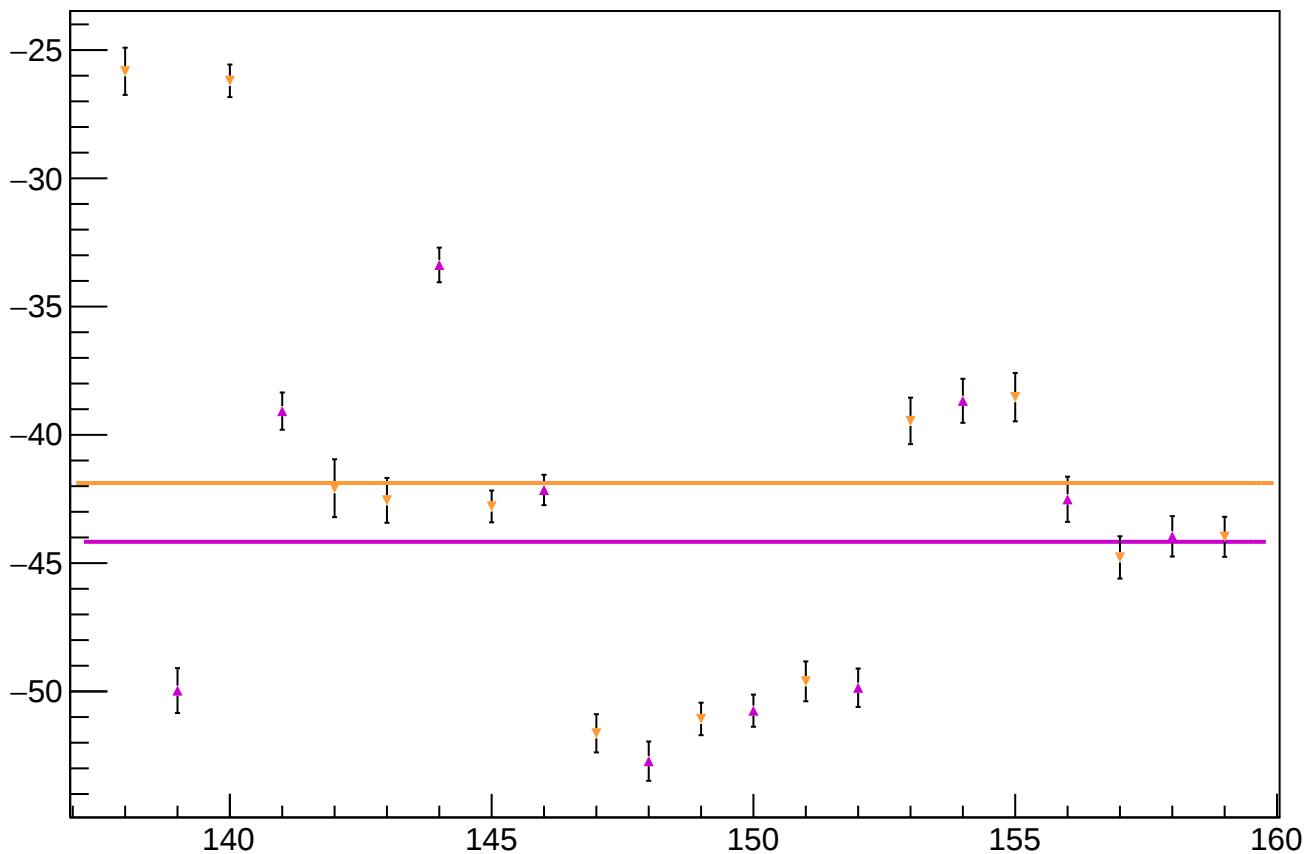
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -4.803+/-0.162 χ^2/NDF :1086.5/9

-4.095+/-0.155 χ^2/NDF : 1442.1/11

-4.803+/-0.162 χ^2/NDF : 1086.5/9

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -41.877+/-0.225 χ^2/NDF :1437.6/11

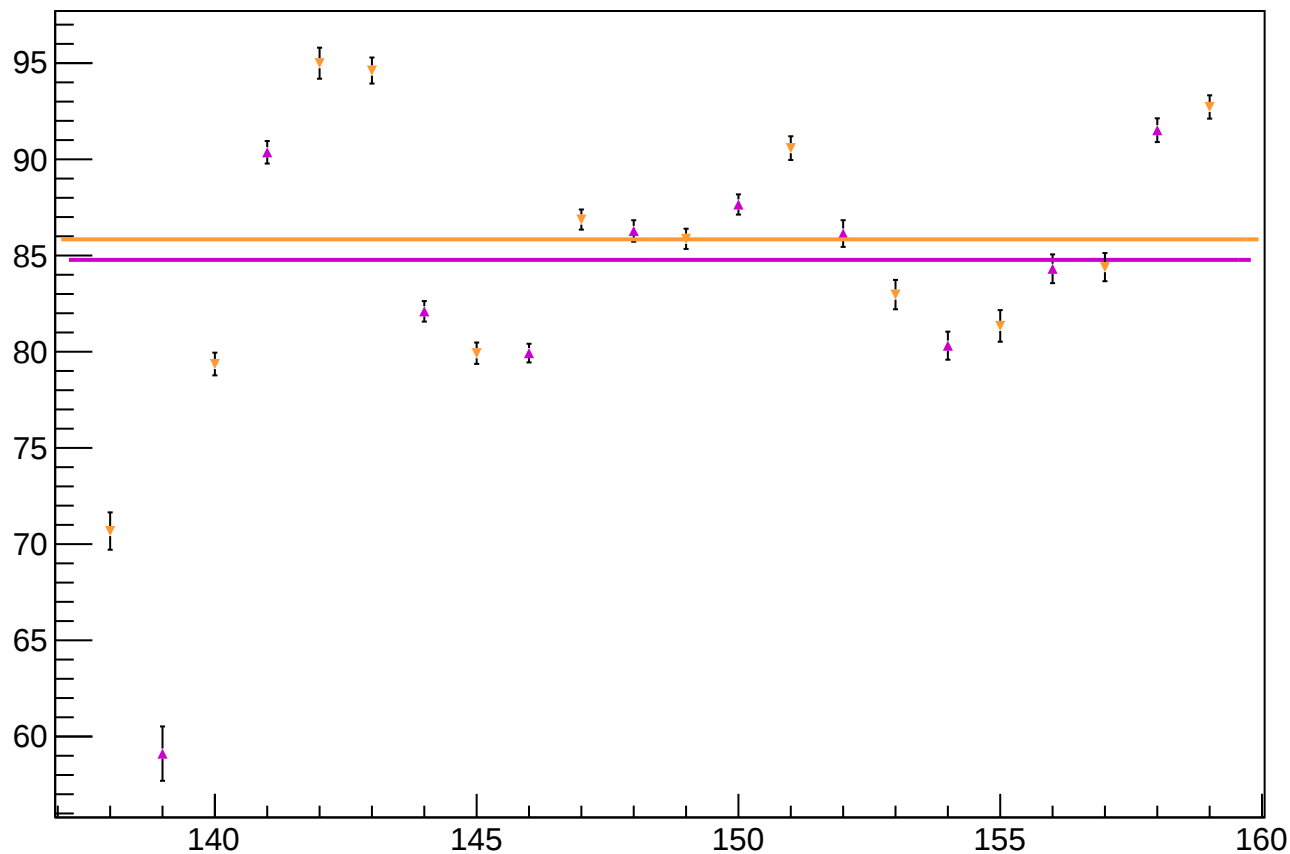
-41.877+/-0.225 χ^2/NDF : 1437.6/11

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

-44.169+/-0.232 χ^2/NDF : 697.5/9

Left In: -44.169+/-0.232 χ^2/NDF :697.5/9

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 85.841+/-0.187 χ^2/NDF :1014.3/11

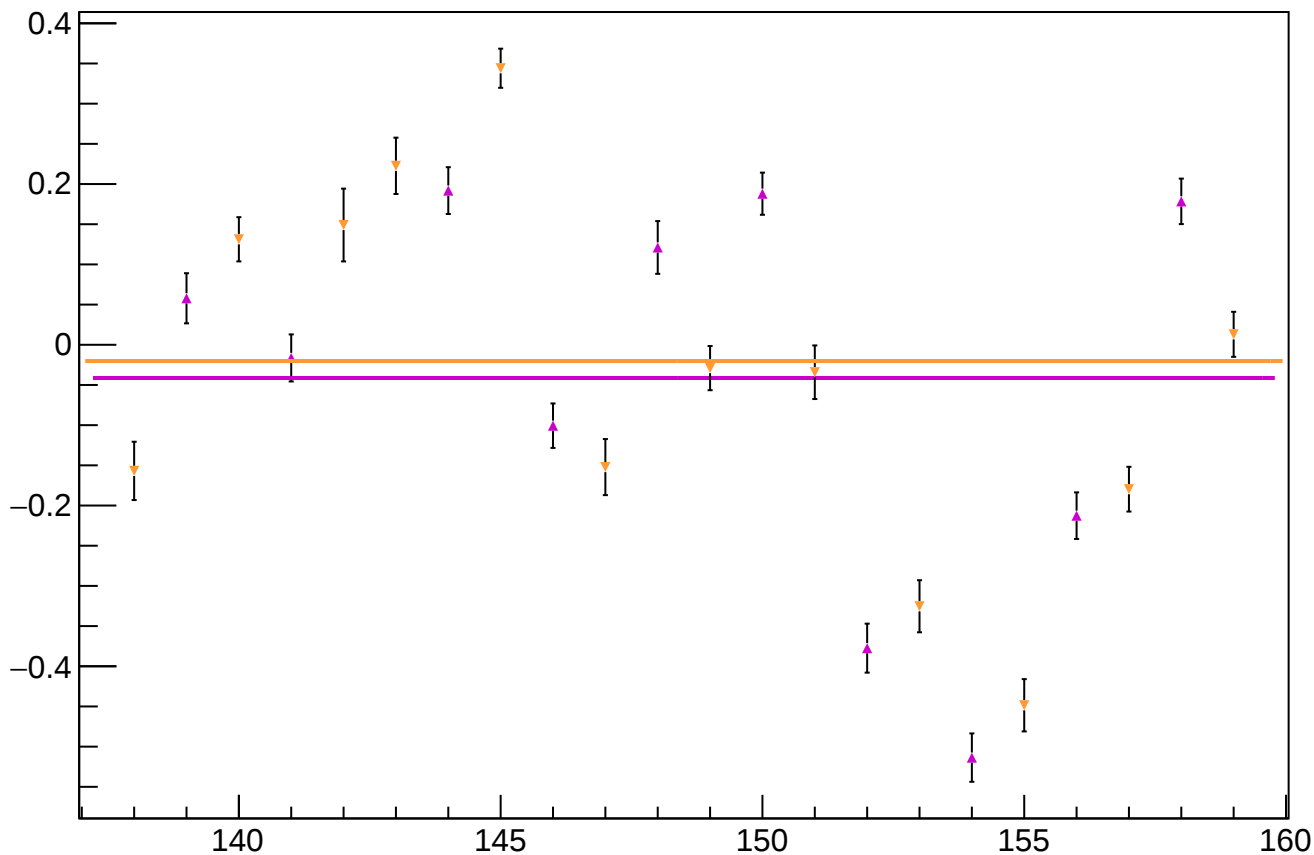
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 84.775+/-0.195 χ^2/NDF :744.1/9

85.841+/-0.187 χ^2/NDF : 1014.3/11

84.775+/-0.195 χ^2/NDF : 744.1/9

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



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

Left Out: -0.020+/-0.009 χ^2/NDF : 641.2/11

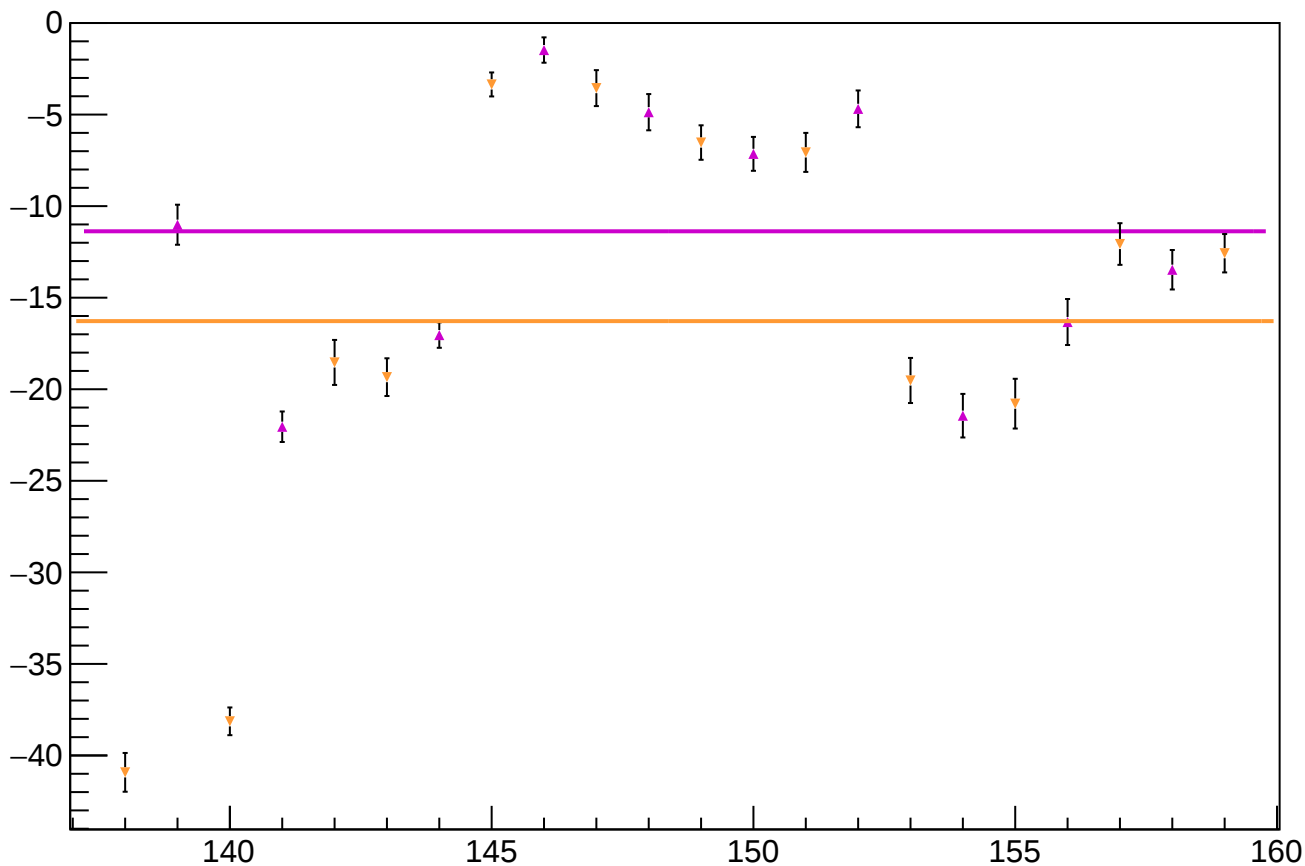
-0.020+/-0.009 χ^2/NDF : 641.2/11

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

-0.041+/-0.009 χ^2/NDF : 643.8/9

Left In: -0.041+/-0.009 χ^2/NDF : 643.8/9

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



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

Left Out: -16.280+/-0.283 χ^2/NDF : 2171.7/11

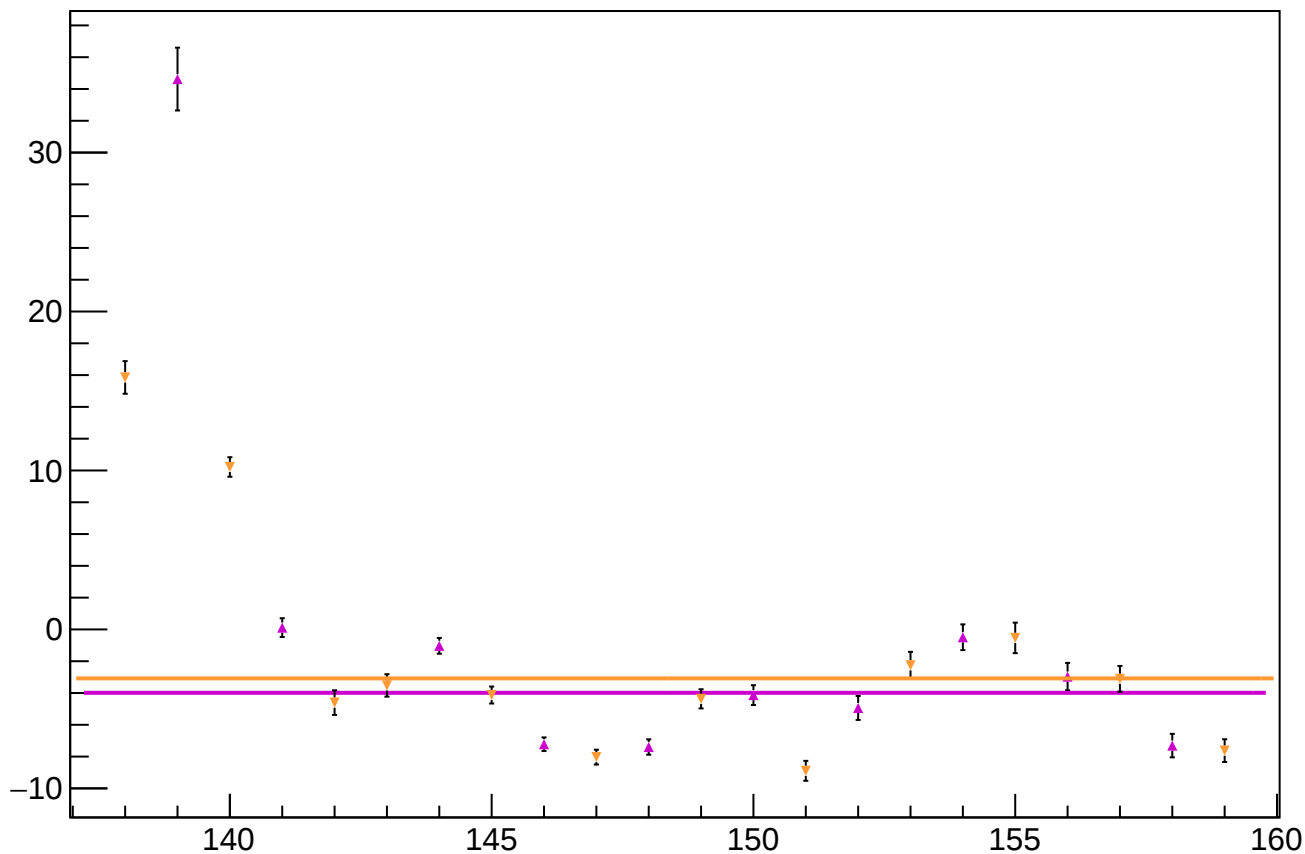
-16.280+/-0.283 χ^2/NDF : 2171.7/11

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

-11.374+/-0.291 χ^2/NDF : 634.6/9

Left In: -11.374+/-0.291 χ^2/NDF : 634.6/9

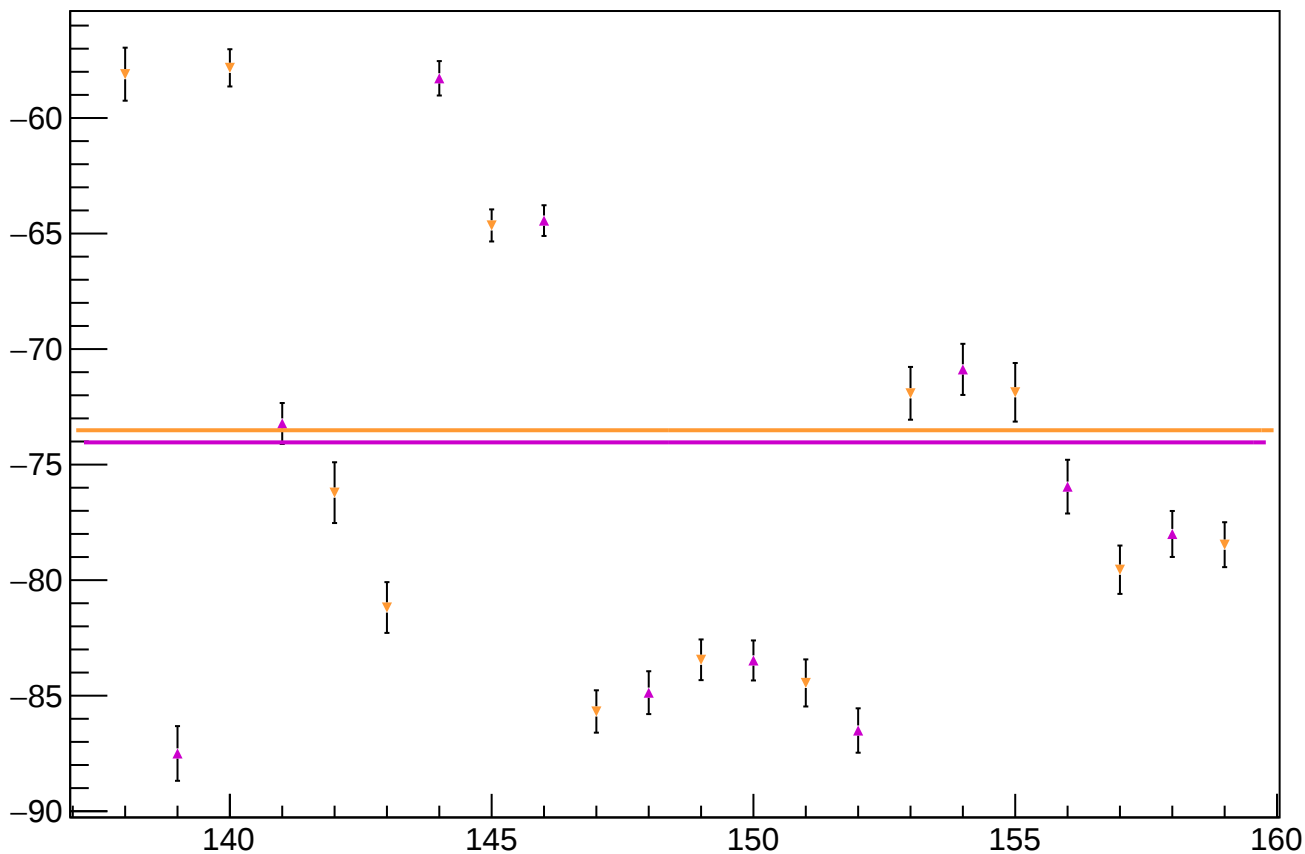
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.080+/-0.194 χ^2/NDF : 1067.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.987+/-0.196 χ^2/NDF : 614.2/9

-3.080+/-0.194 χ^2/NDF : 1067.8/11
 -3.987+/-0.196 χ^2/NDF : 614.2/9

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -73.513+/-0.282 χ^2/NDF :1256.7/11

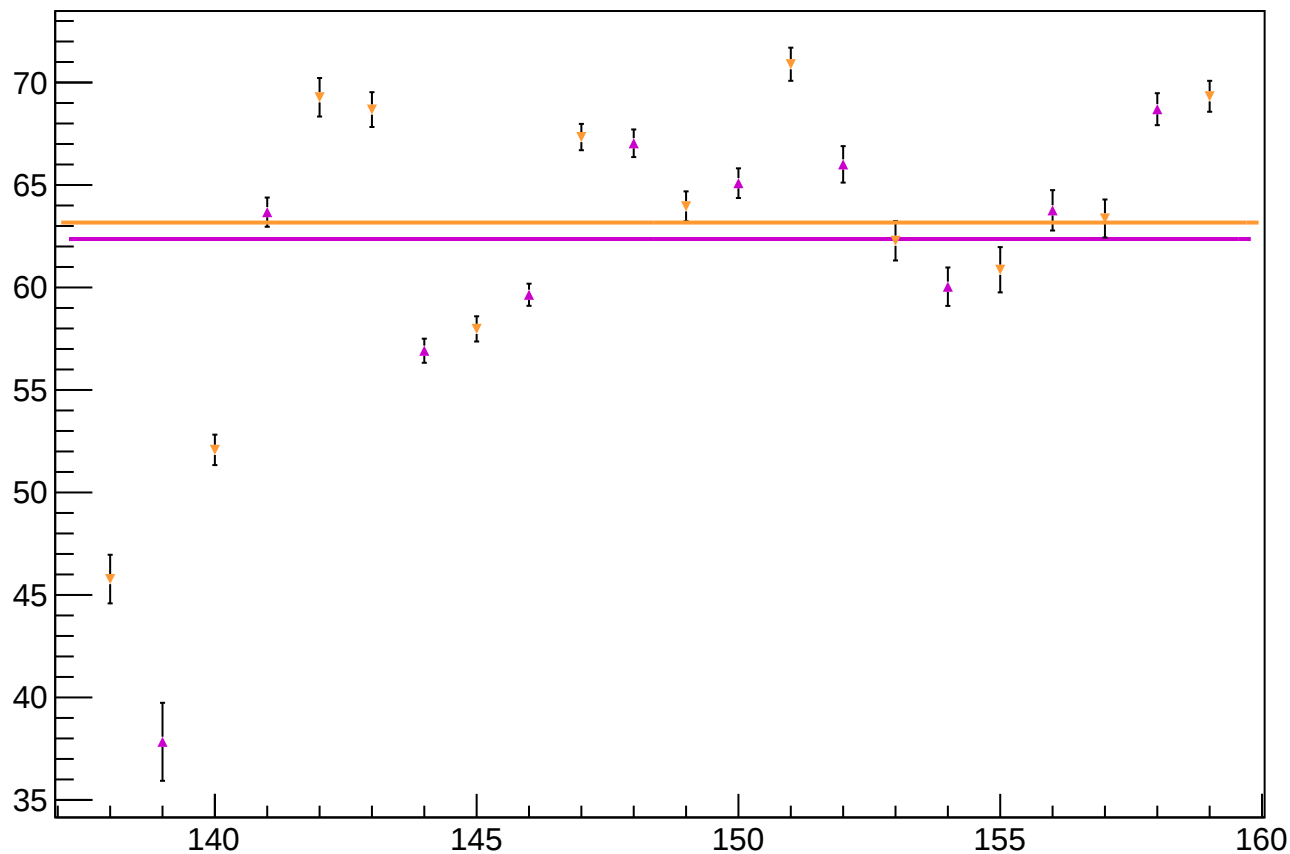
-73.513+/-0.282 χ^2/NDF : 1256.7/11

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

Left In: -74.038+/-0.286 χ^2/NDF :1236.4/9

-74.038+/-0.286 χ^2/NDF : 1236.4/9

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 63.167+/-0.233 χ^2/NDF :800.0/11

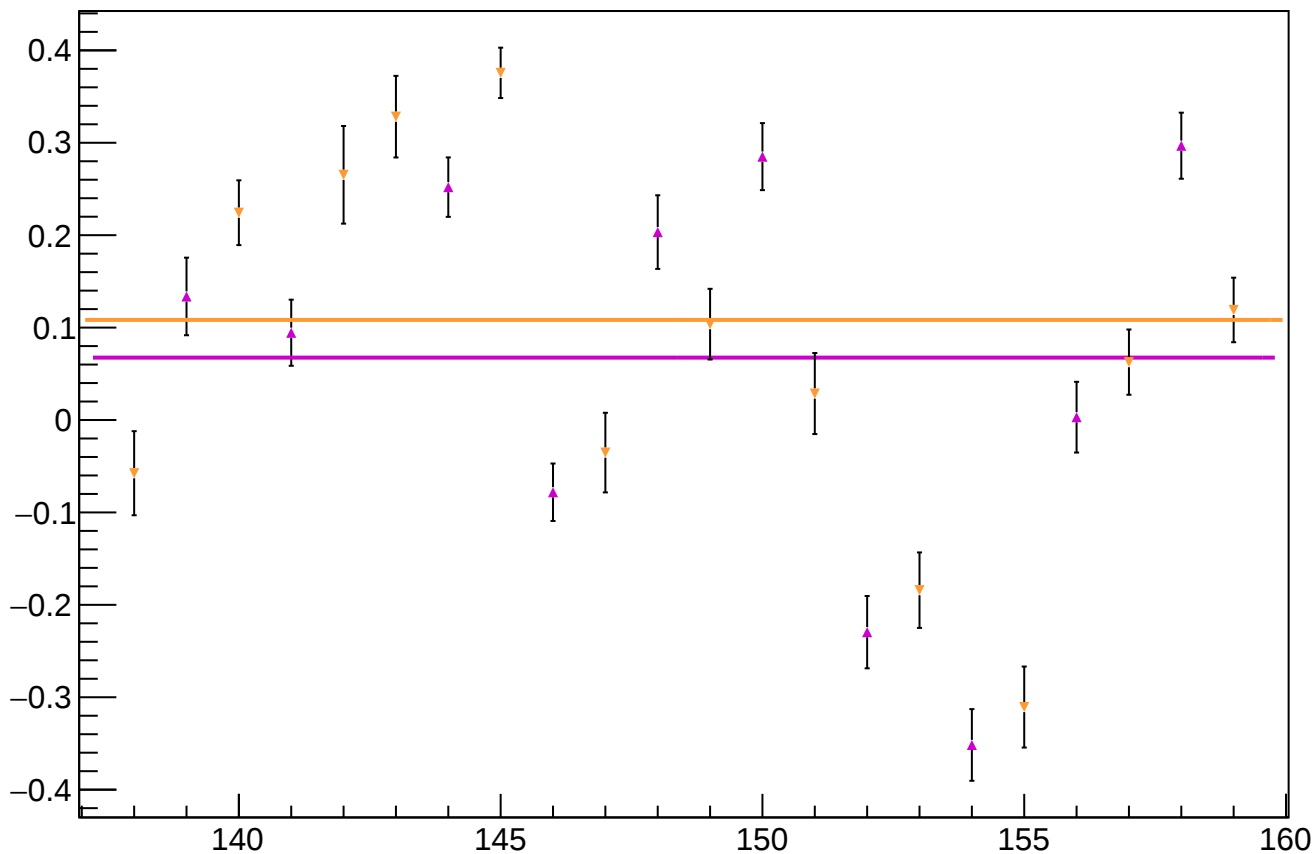
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 62.365+/-0.237 χ^2/NDF :434.1/9

63.167+/-0.233 χ^2/NDF : 800.0/11

62.365+/-0.237 χ^2/NDF : 434.1/9

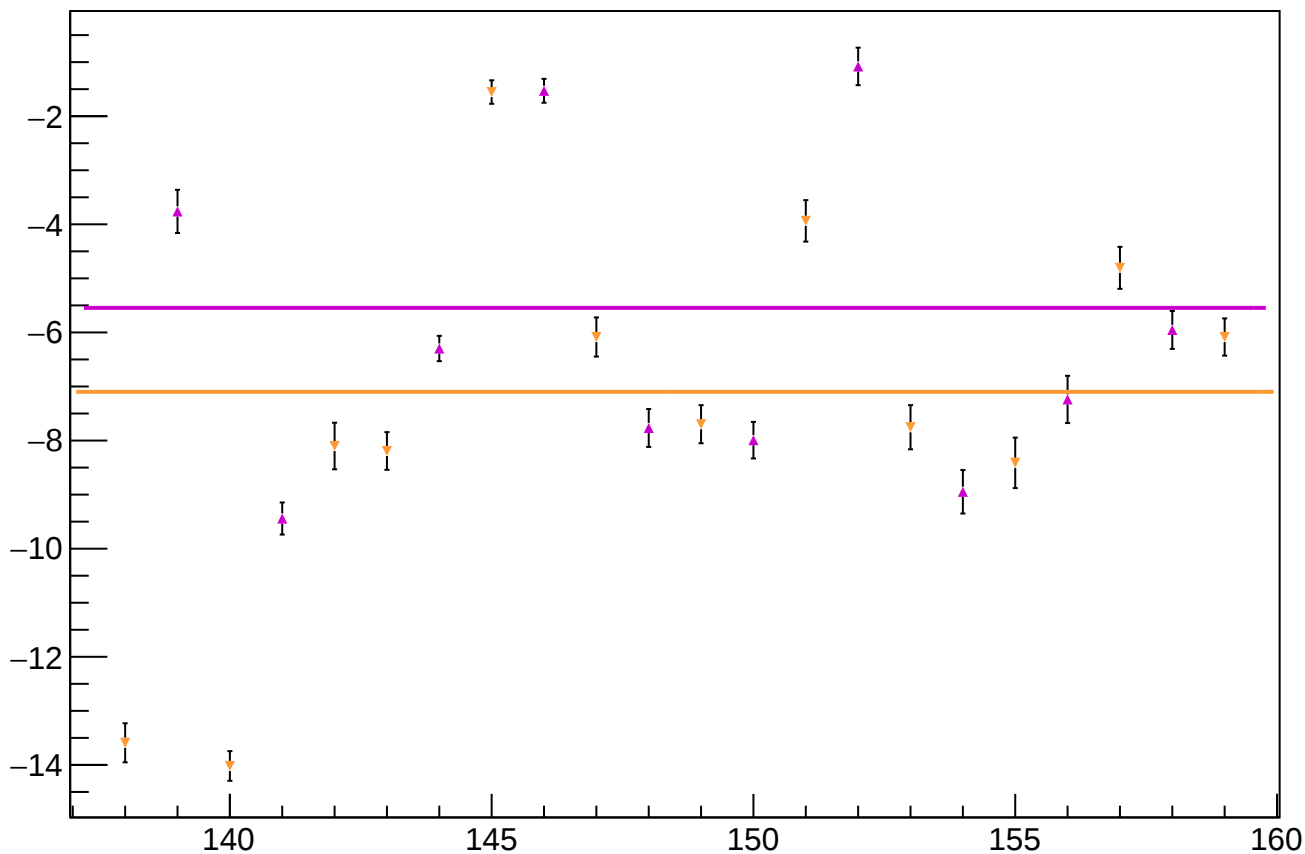
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.108+/-0.011 χ^2/NDF : 312.9/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.068+/-0.012 χ^2/NDF : 323.9/9

0.108+/-0.011 χ^2/NDF : 312.9/11
 0.068+/-0.012 χ^2/NDF : 323.9/9

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug

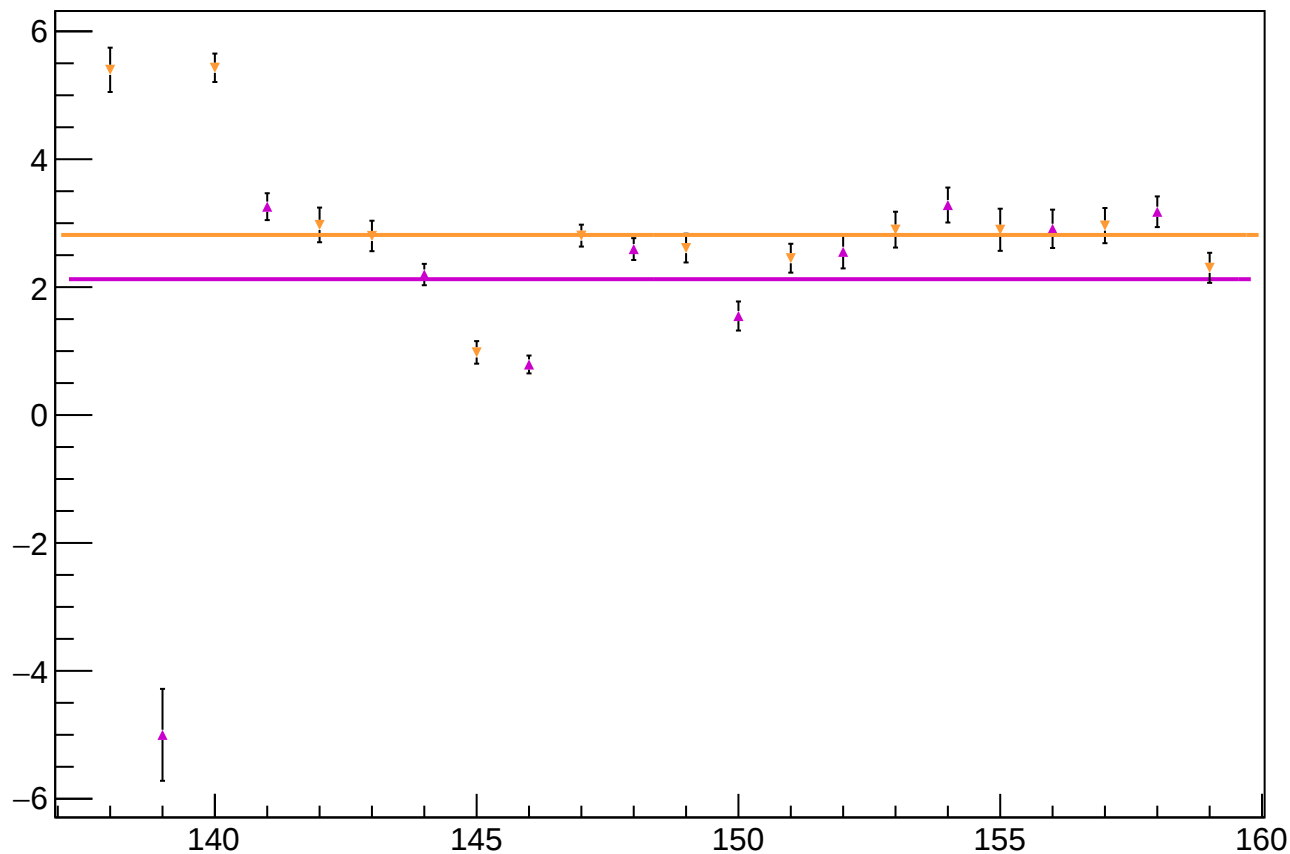


Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.099 $\pm$ 0.098 χ^2 /NDF:1758.4/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.546 $\pm$ 0.099 χ^2 /NDF:878.9/9

-7.099 $\pm$ 0.098 χ^2 /NDF: 1758.4/11

-5.546 $\pm$ 0.099 χ^2 /NDF: 878.9/9

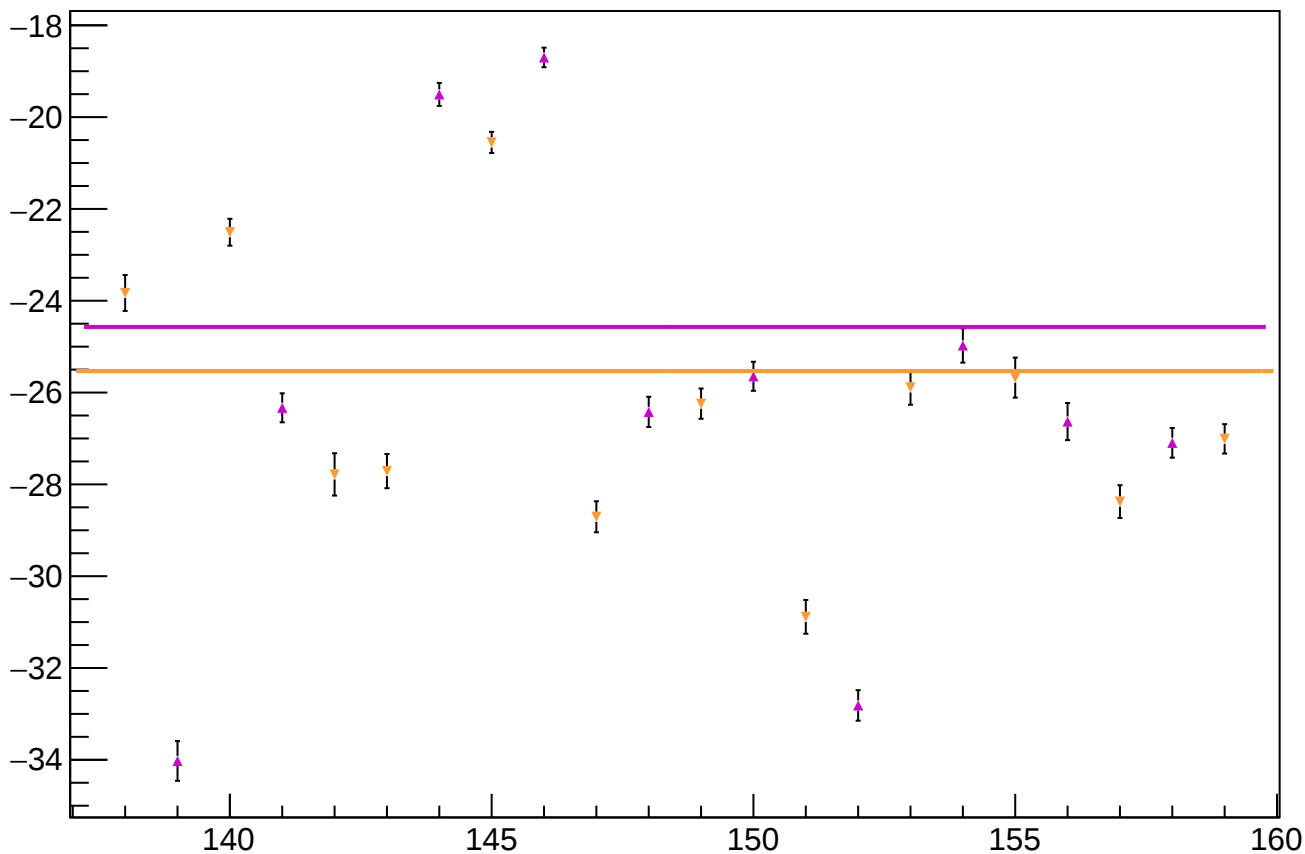
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.816+/-0.068 χ^2/NDF : 311.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.124+/-0.067 χ^2/NDF : 279.8/9

2.816+/-0.068 χ^2/NDF : 311.2/11
 2.124+/-0.067 χ^2/NDF : 279.8/9

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -25.530 $\pm$ 0.098 χ^2 /NDF:1042.1/11

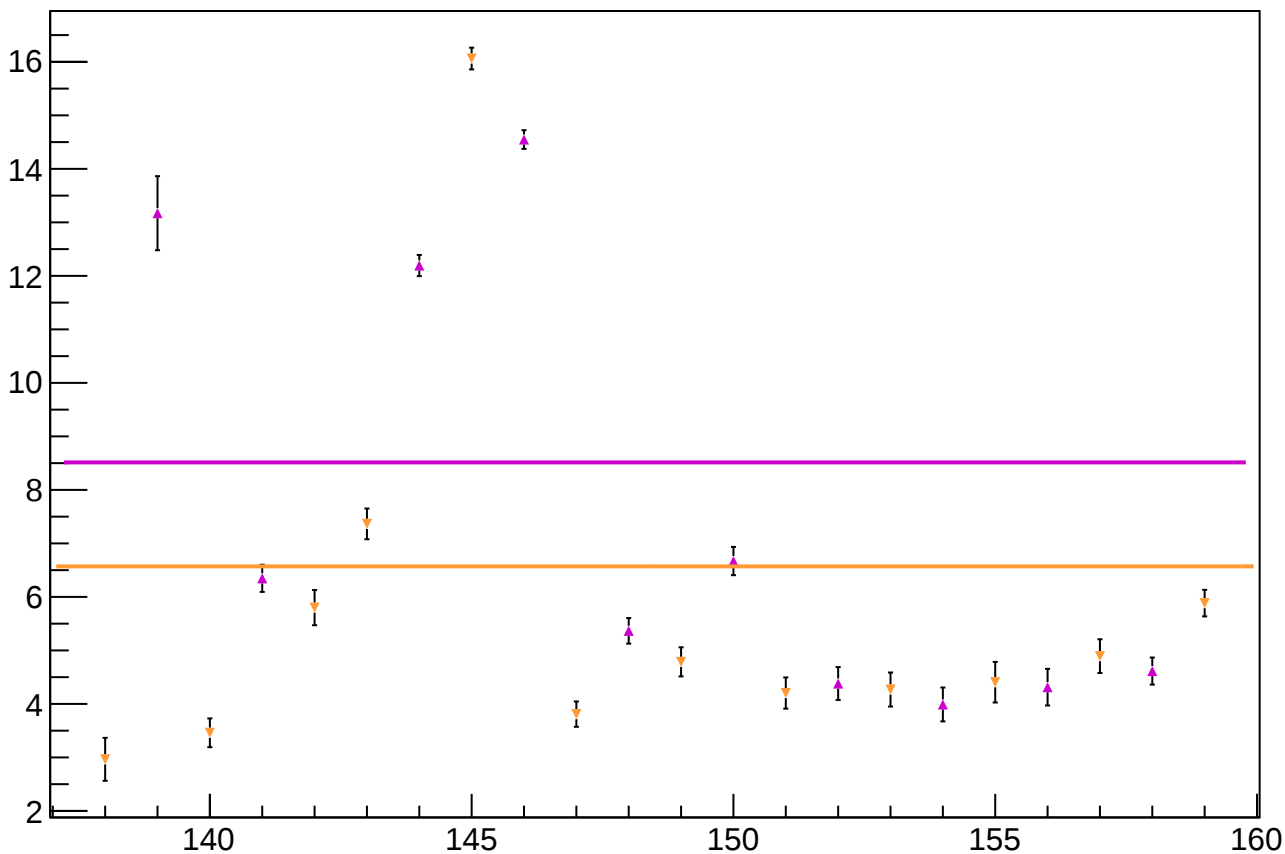
-25.530 $\pm$ 0.098 χ^2 /NDF: 1042.1/11

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

-24.570 $\pm$ 0.098 χ^2 /NDF: 2427.7/9

Left In: -24.570 $\pm$ 0.098 χ^2 /NDF:2427.7/9

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 6.571+/-0.081 χ^2/NDF : 2774.9/11

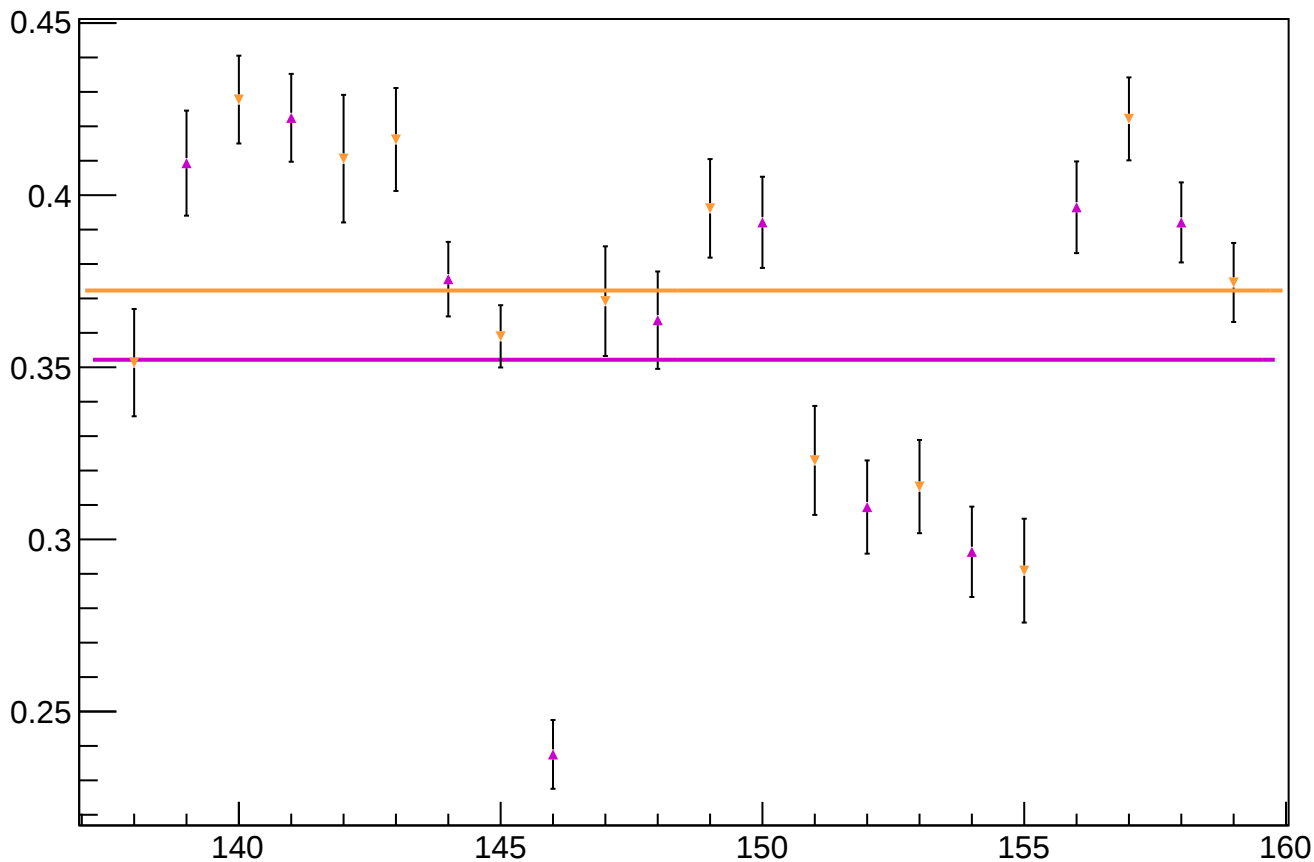
6.571+/-0.081 χ^2/NDF : 2774.9/11

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

Left In: 8.514+/-0.081 χ^2/NDF : 2649.7/9

8.514+/-0.081 χ^2/NDF : 2649.7/9

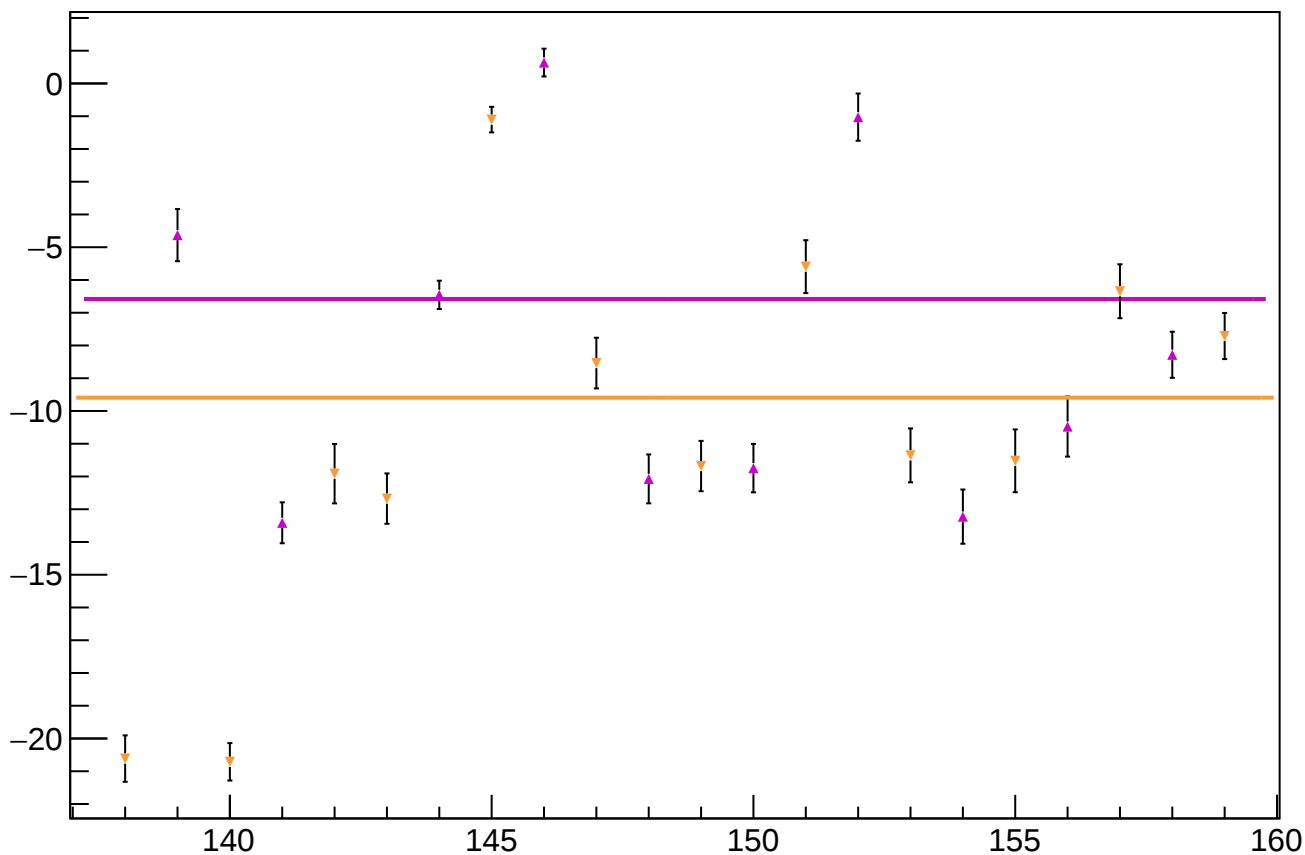
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.372+/-0.004 χ^2/NDF : 112.3/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.352+/-0.004 χ^2/NDF : 241.4/9

0.372+/-0.004 χ^2/NDF : 112.3/11
 0.352+/-0.004 χ^2/NDF : 241.4/9

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



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

Left Out: -9.593 $\pm$ 0.198 χ^2 /NDF: 1181.8/11

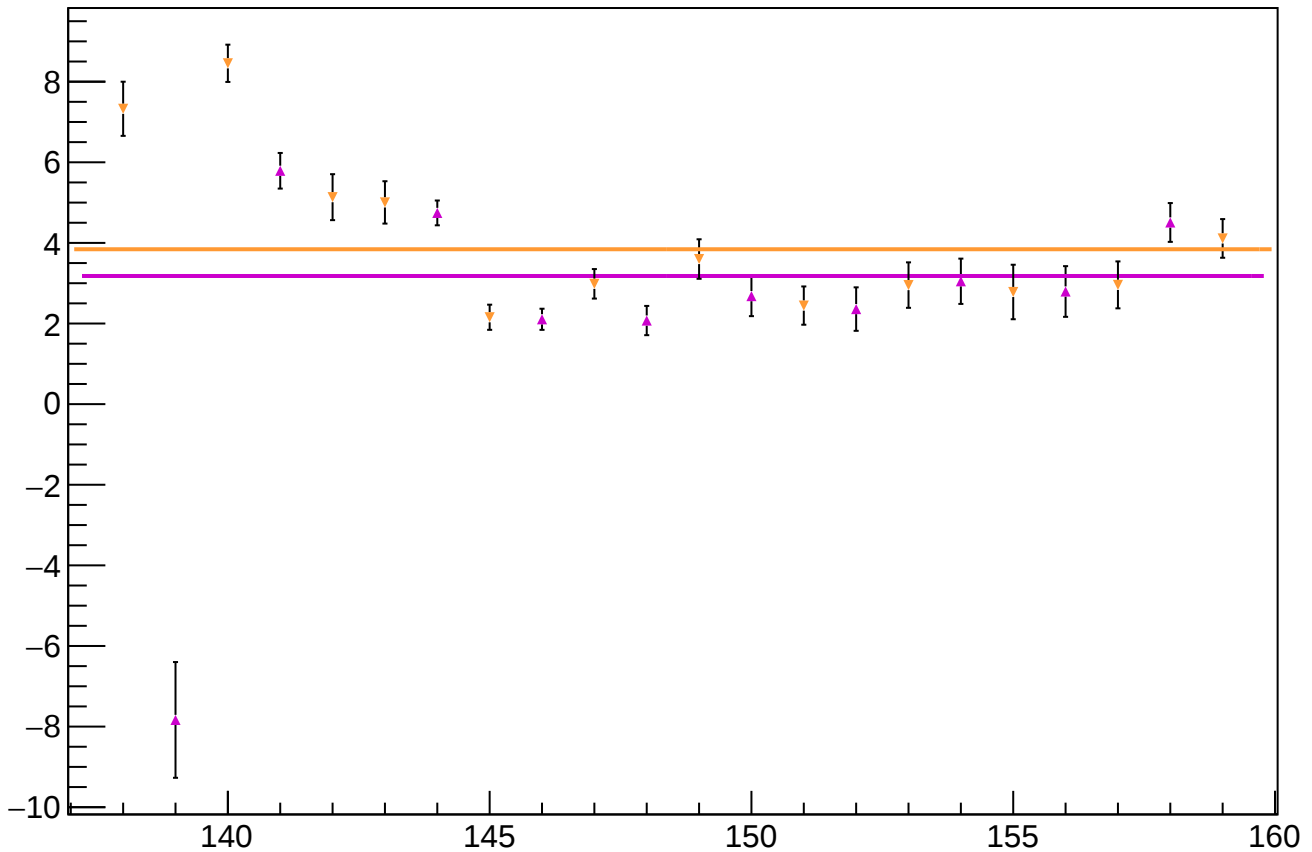
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -6.581 $\pm$ 0.199 χ^2 /NDF: 665.8/9

-9.593 $\pm$ 0.198 χ^2 /NDF: 1181.8/11

-6.581 $\pm$ 0.199 χ^2 /NDF: 665.8/9

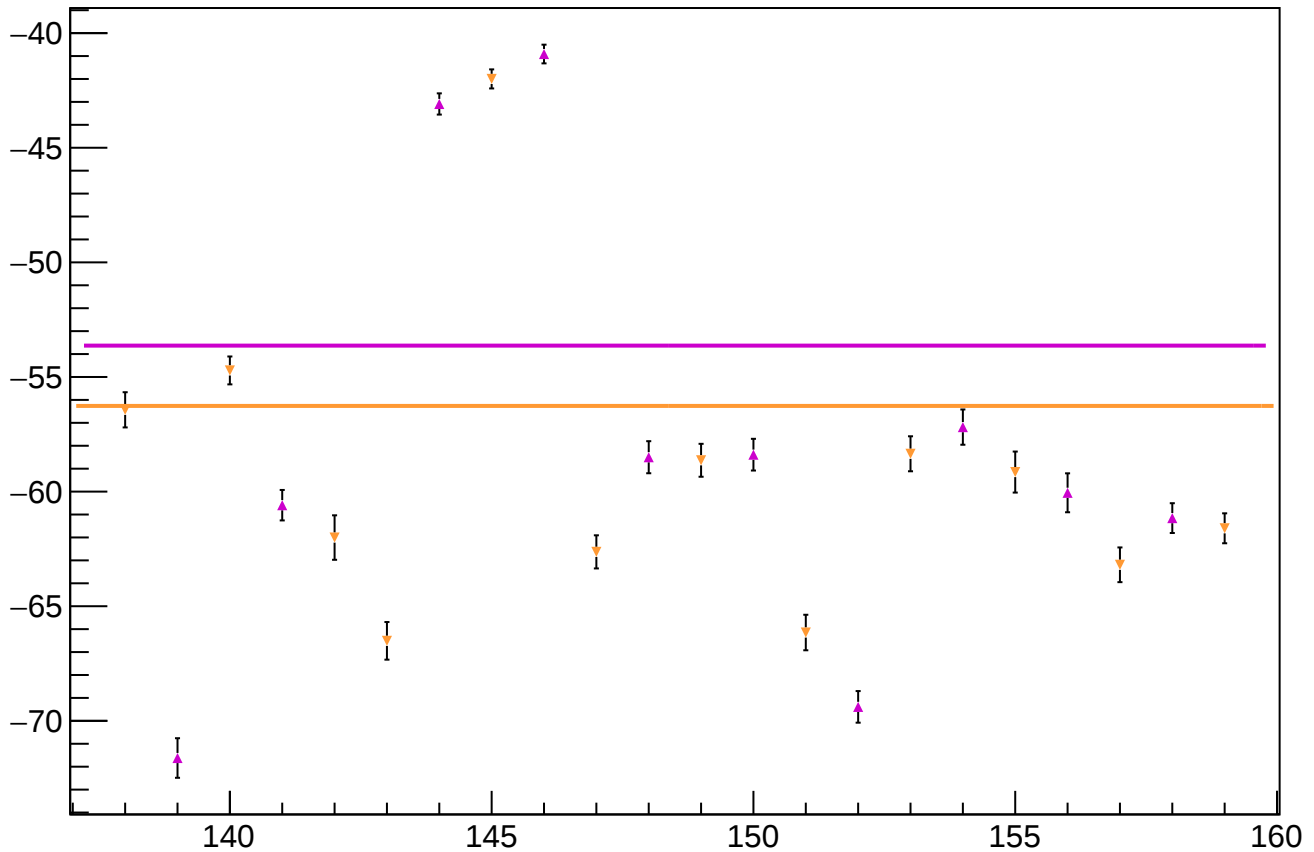
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.843 $\pm$ 0.138 χ^2 /NDF:187.7/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.179 $\pm$ 0.134 χ^2 /NDF:157.0/9

3.843 $\pm$ 0.138 χ^2 /NDF: 187.7/11
 3.179 $\pm$ 0.134 χ^2 /NDF: 157.0/9

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -56.262+/-0.199 χ^2/NDF : 1793.6/11

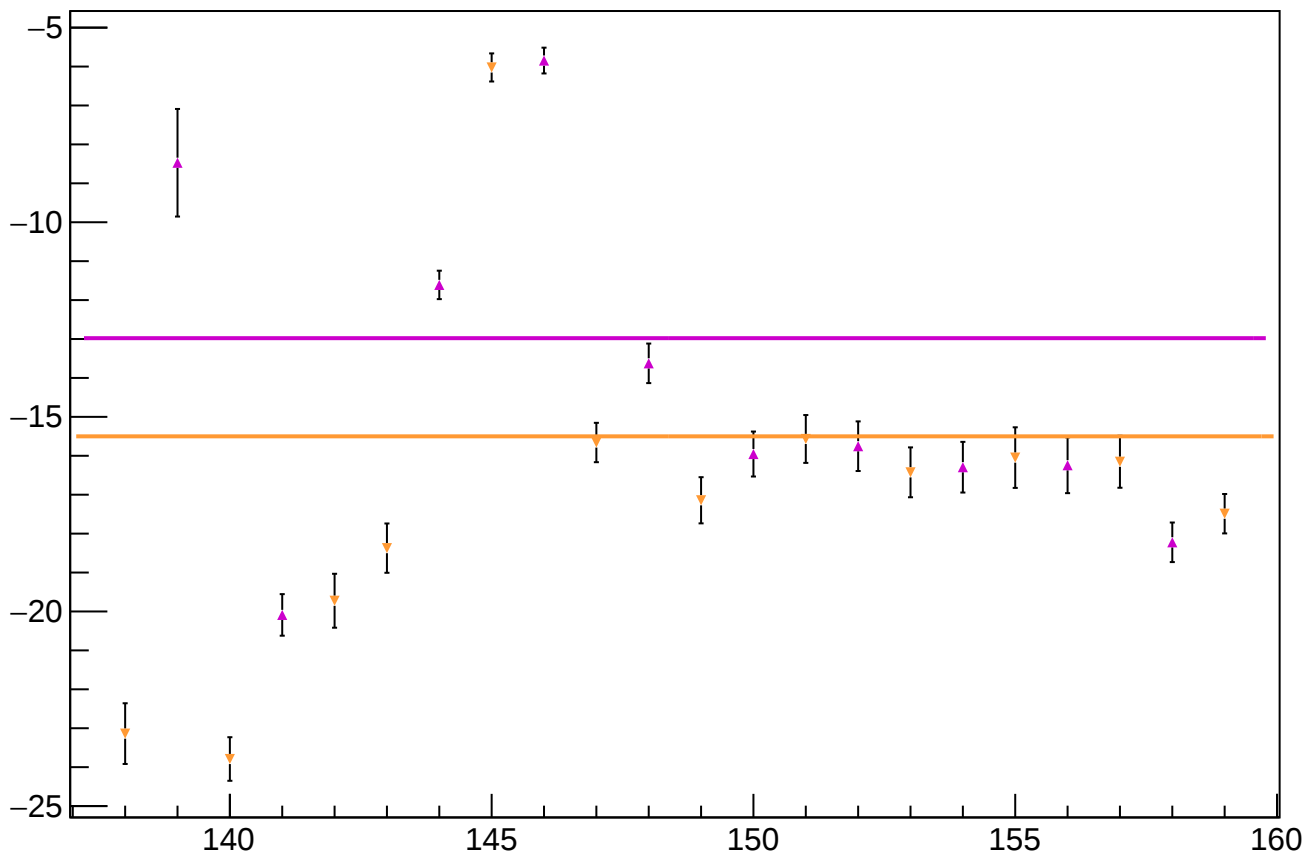
-56.262+/-0.199 χ^2/NDF : 1793.6/11

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

-53.632+/-0.196 χ^2/NDF : 2865.5/9

Left In: -53.632+/-0.196 χ^2/NDF : 2865.5/9

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



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

Left Out: -15.501+/-0.165 χ^2/NDF : 1089.3/11

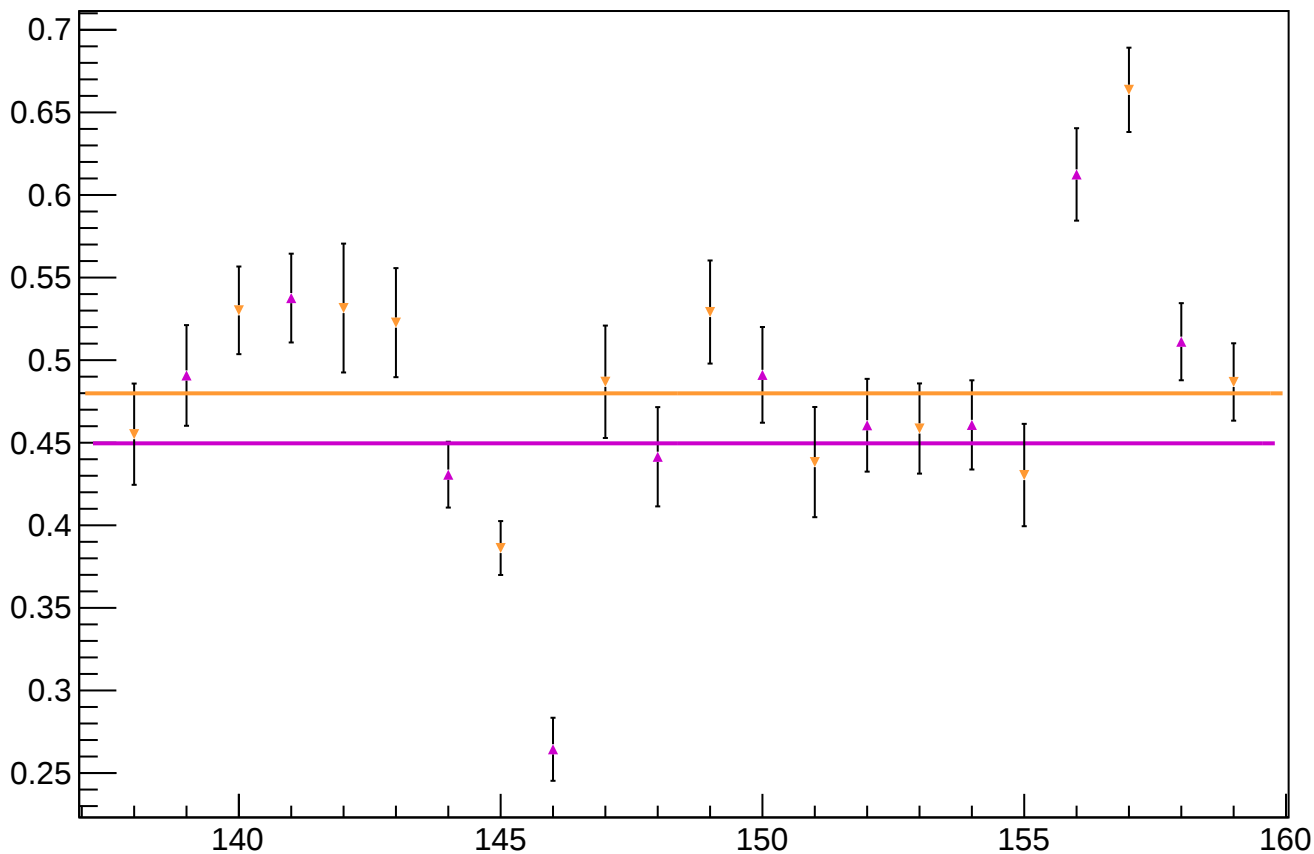
-15.501+/-0.165 χ^2/NDF : 1089.3/11

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

-12.978+/-0.162 χ^2/NDF : 866.1/9

Left In: -12.978+/-0.162 χ^2/NDF : 866.1/9

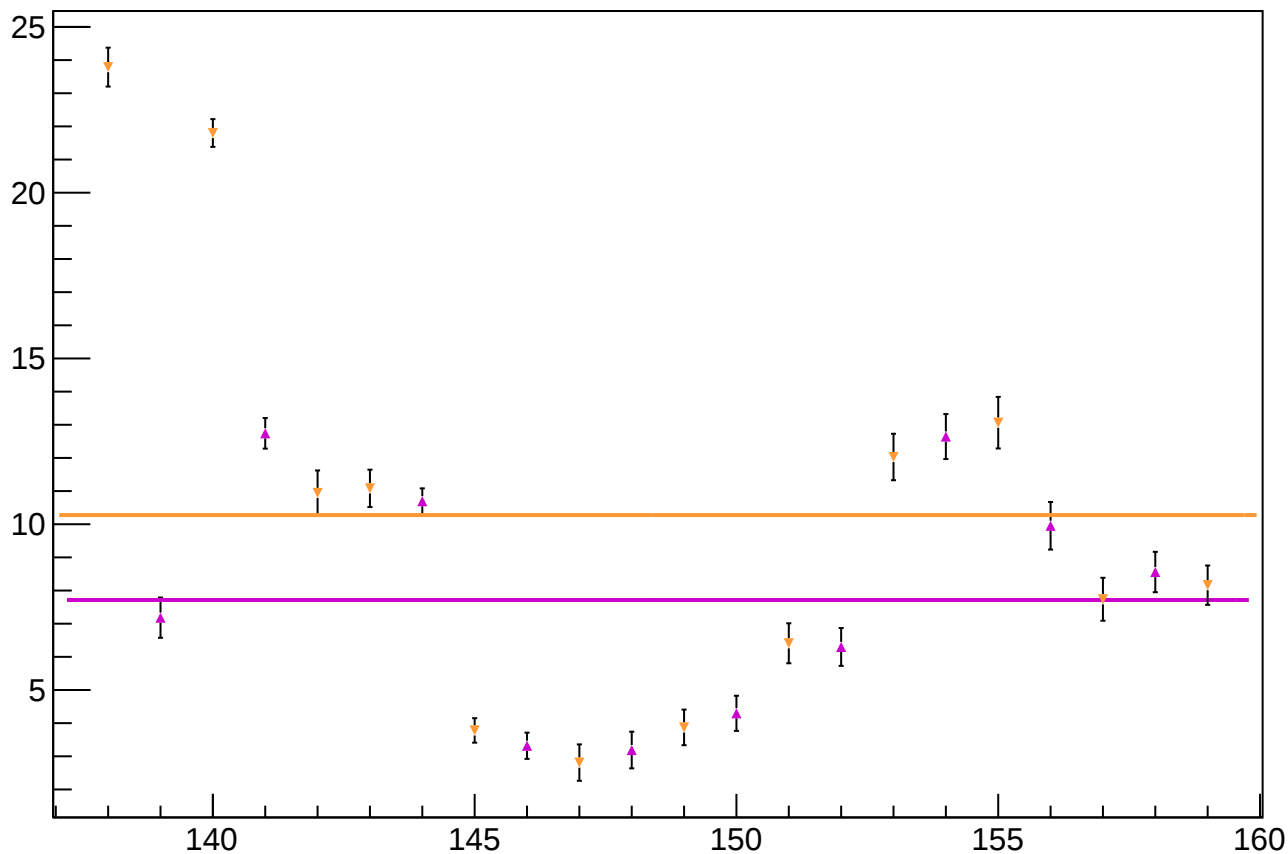
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.480+/-0.008 χ^2/NDF : 99.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.450+/-0.008 χ^2/NDF : 150.9/9

0.480+/-0.008 χ^2/NDF : 99.8/11
 0.450+/-0.008 χ^2/NDF : 150.9/9

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: 10.277+/-0.159 χ^2/NDF : 2017.0/11

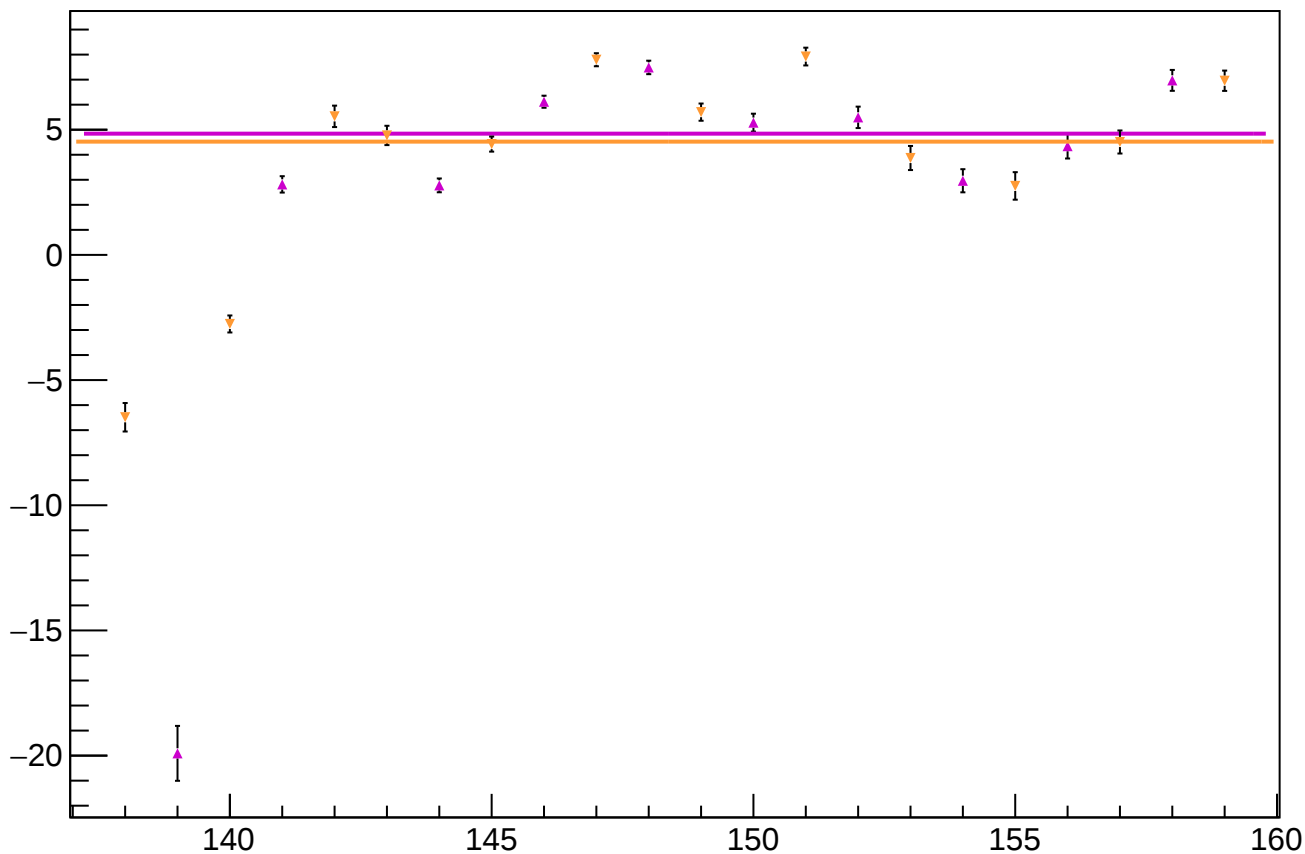
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 7.715+/-0.164 χ^2/NDF : 481.8/9

10.277+/-0.159 χ^2/NDF : 2017.0/11

7.715+/-0.164 χ^2/NDF : 481.8/9

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



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

Left Out: 4.524 $\pm$ 0.109 χ^2 /NDF:1149.2/11

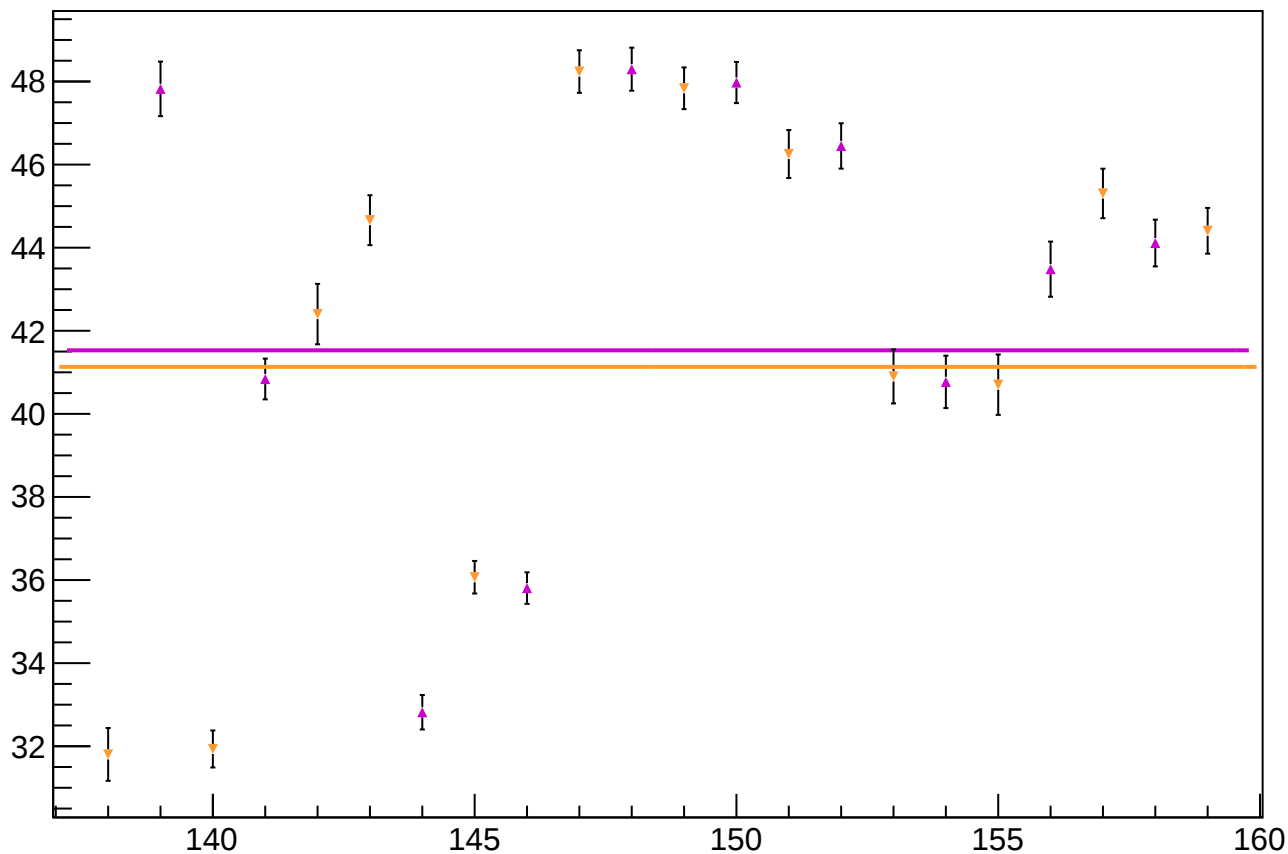
4.524 $\pm$ 0.109 χ^2 /NDF: 1149.2/11

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

Left In: 4.842 $\pm$ 0.110 χ^2 /NDF:775.8/9

4.842 $\pm$ 0.110 χ^2 /NDF: 775.8/9

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 41.132+/-0.158 χ^2/NDF :1380.6/11

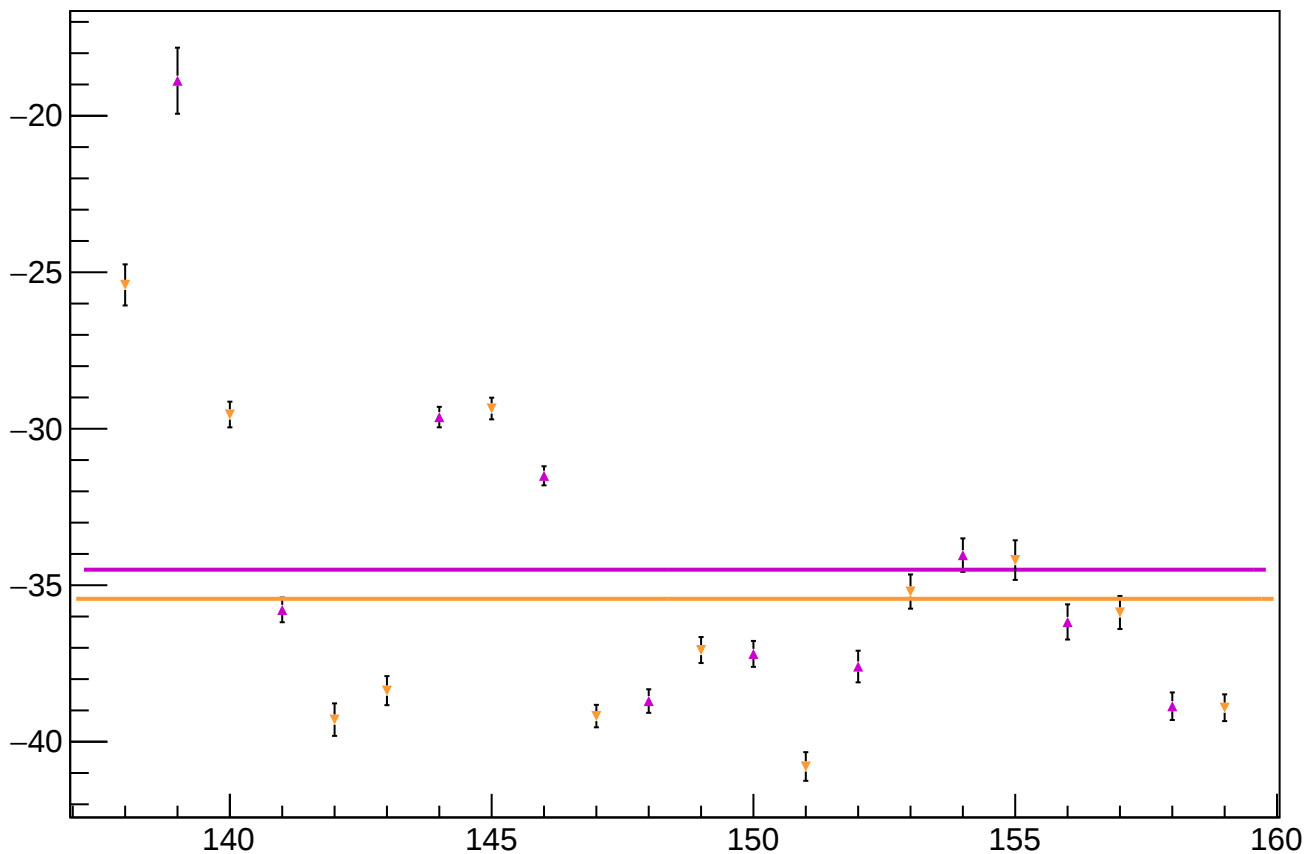
41.132+/-0.158 χ^2/NDF : 1380.6/11

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

Left In: 41.529+/-0.162 χ^2/NDF :1214.9/9

41.529+/-0.162 χ^2/NDF : 1214.9/9

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -35.433+/-0.131 χ^2/NDF : 1174.4/11

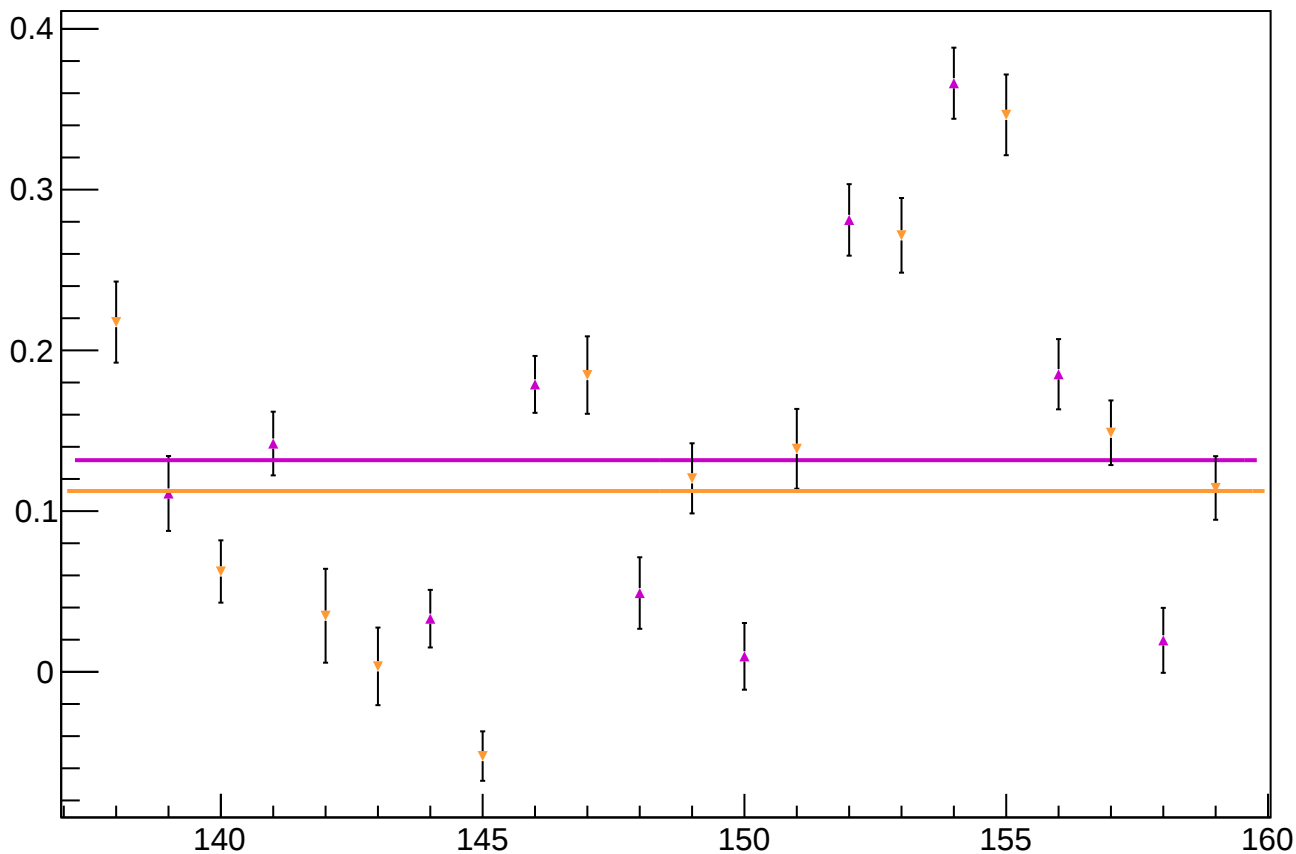
-35.433+/-0.131 χ^2/NDF : 1174.4/11

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

Left In: -34.504+/-0.134 χ^2/NDF : 860.2/9

-34.504+/-0.134 χ^2/NDF : 860.2/9

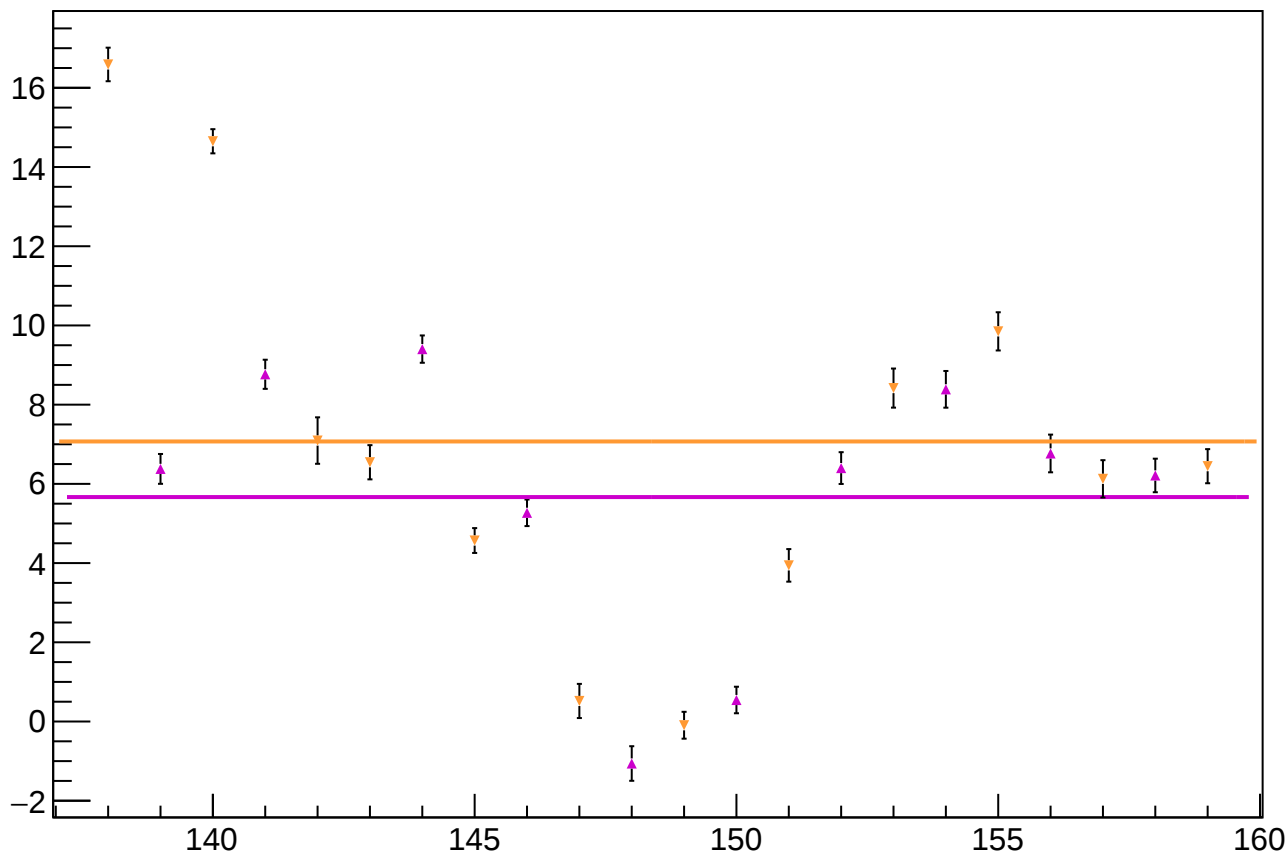
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.113 $\pm$ 0.006 χ^2 /NDF:313.7/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.132 $\pm$ 0.007 χ^2 /NDF:281.2/9

0.113 $\pm$ 0.006 χ^2 /NDF: 313.7/11
 0.132 $\pm$ 0.007 χ^2 /NDF: 281.2/9

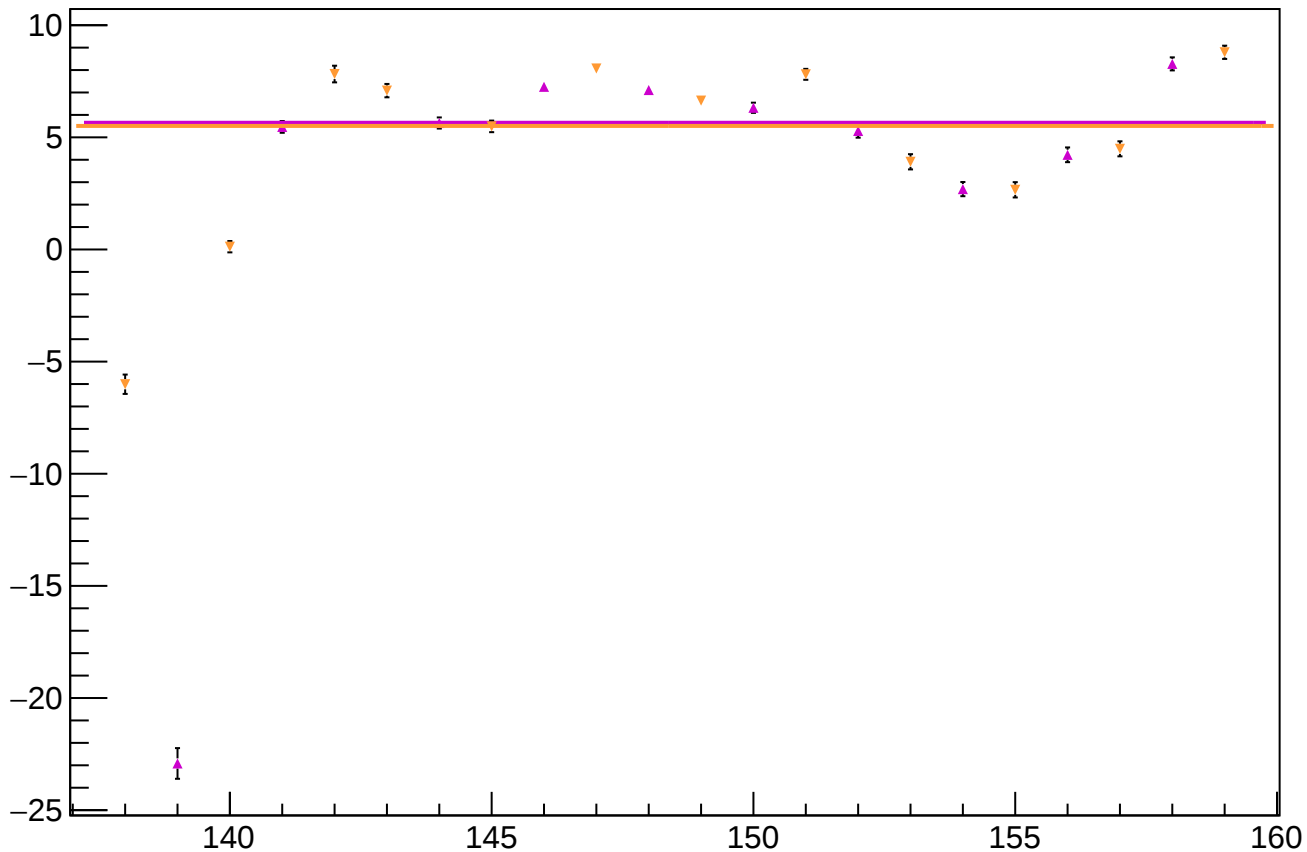
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.071+/-0.117 χ^2/NDF :1968.3/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.667+/-0.122 χ^2/NDF :709.2/9

7.071+/-0.117 χ^2/NDF : 1968.3/11
 5.667+/-0.122 χ^2/NDF : 709.2/9

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



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

Left Out: 5.509+/-0.081 χ^2/NDF :1725.7/11

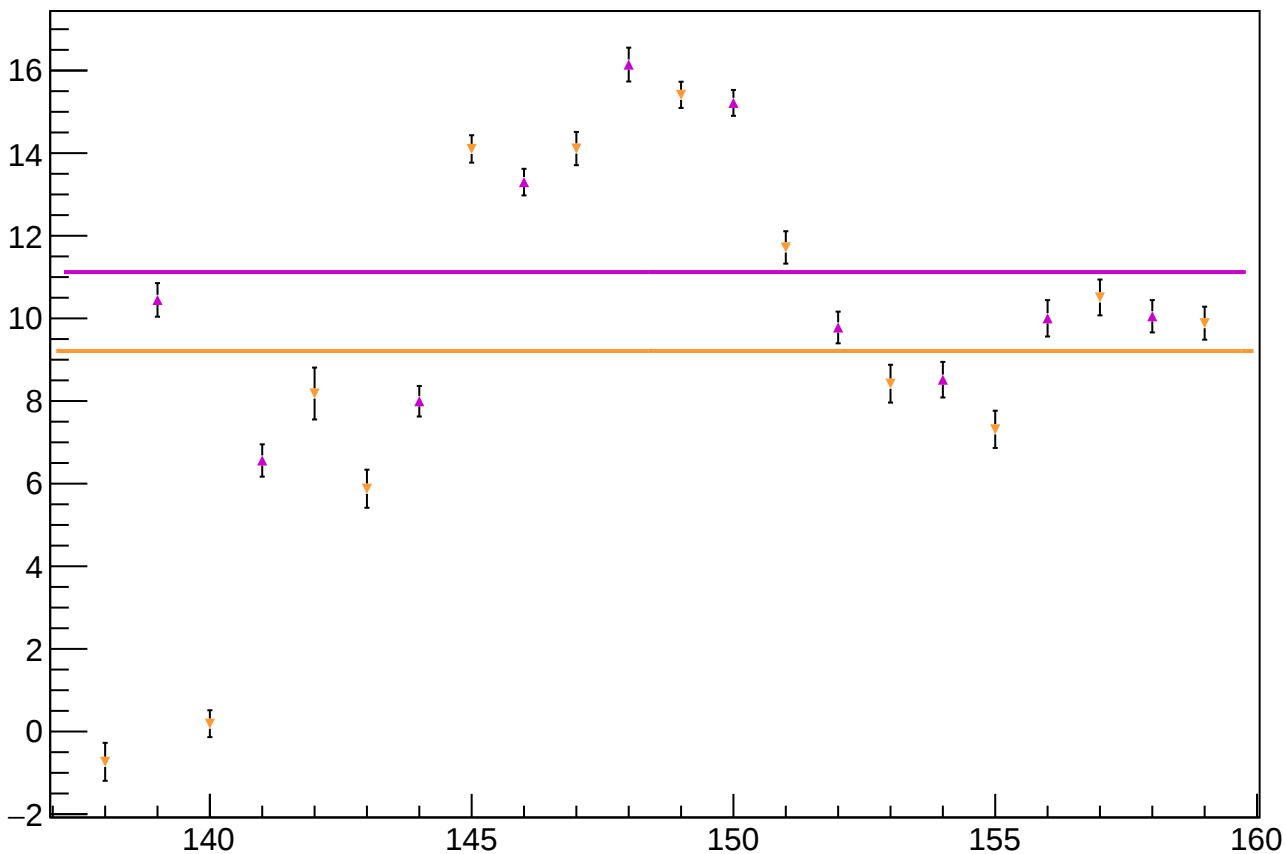
5.509+/-0.081 χ^2/NDF : 1725.7/11

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

5.649+/-0.085 χ^2/NDF : 2042.7/9

Left In: 5.649+/-0.085 χ^2/NDF :2042.7/9

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 9.210+/-0.116 χ^2/NDF :2113.8/11

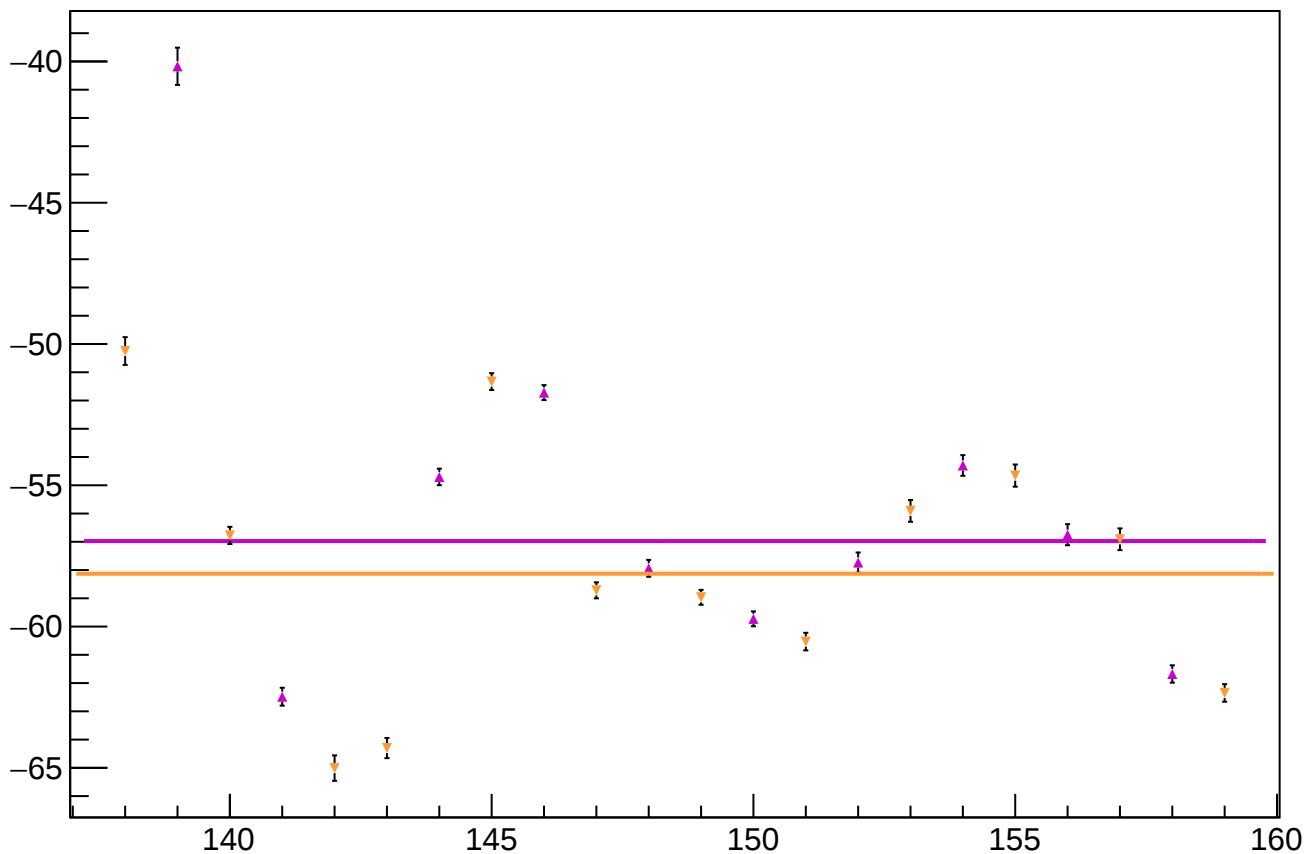
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 11.121+/-0.120 χ^2/NDF :639.9/9

9.210+/-0.116 χ^2/NDF : 2113.8/11

11.121+/-0.120 χ^2/NDF : 639.9/9

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -58.130+/-0.097 χ^2/NDF : 1711.3/11

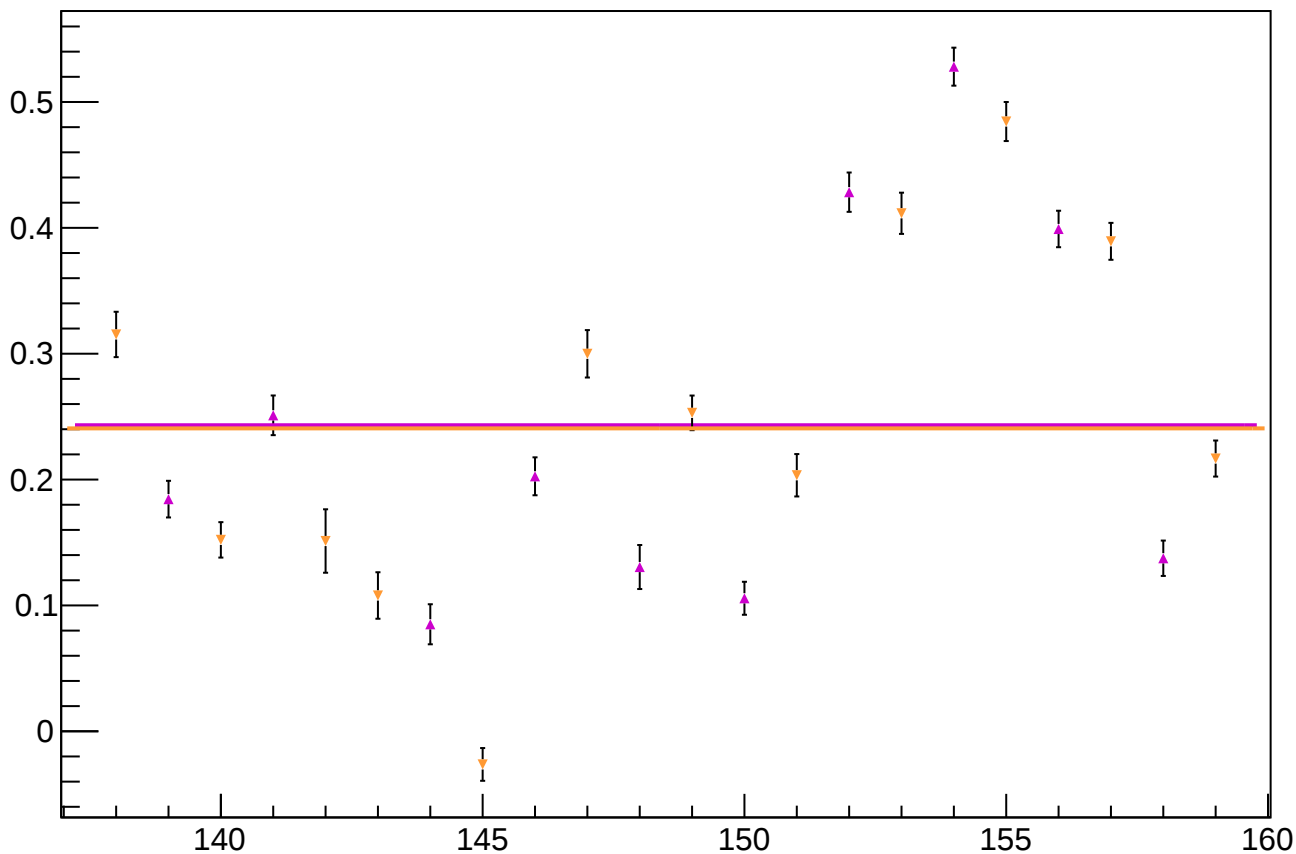
-58.130+/-0.097 χ^2/NDF : 1711.3/11

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

Left In: -56.974+/-0.102 χ^2/NDF : 1819.2/9

-56.974+/-0.102 χ^2/NDF : 1819.2/9

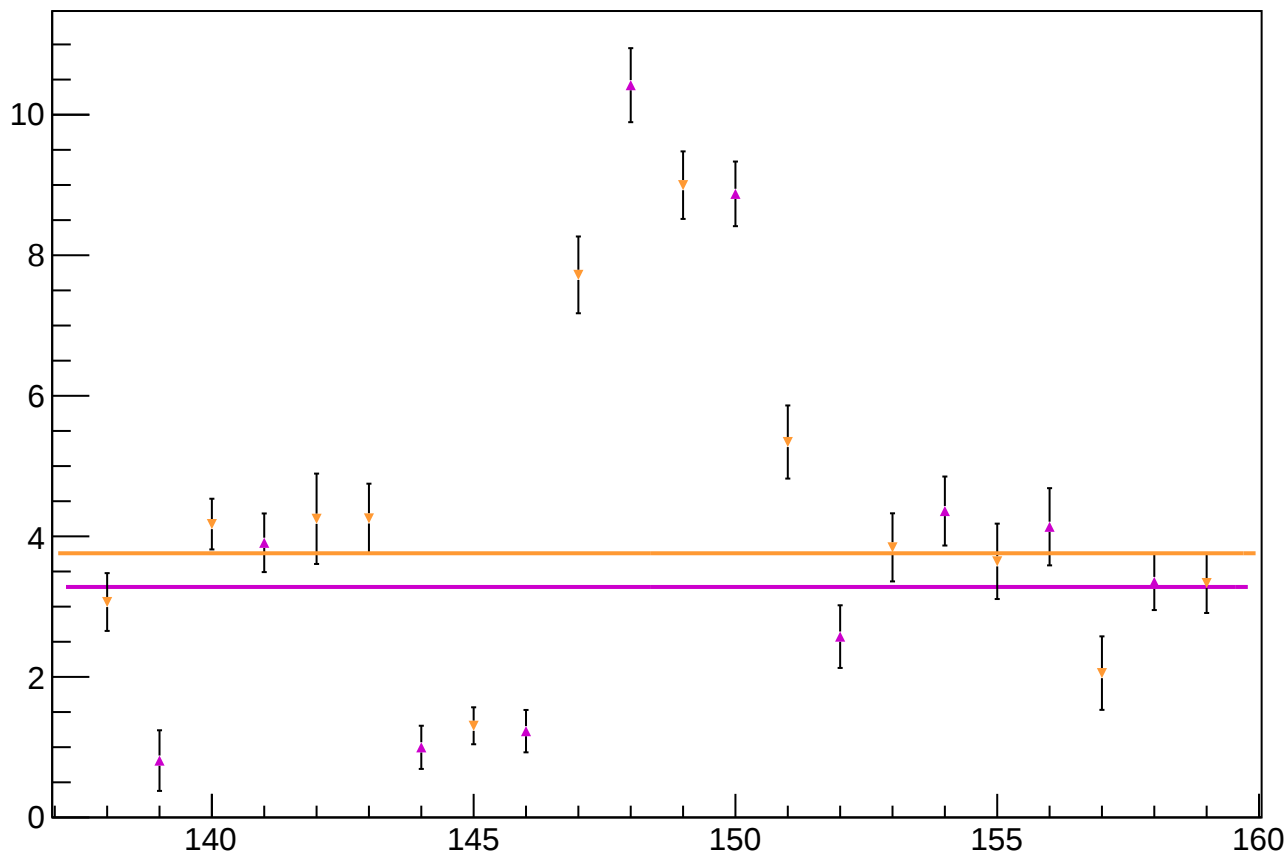
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.241 $\pm$ 0.005 χ^2 /NDF:1019.0/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.243 $\pm$ 0.005 χ^2 /NDF:943.3/9

0.241 $\pm$ 0.005 χ^2 /NDF: 1019.0/11
 0.243 $\pm$ 0.005 χ^2 /NDF: 943.3/9

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: 3.759 $\pm$ 0.126 χ^2 /NDF:285.2/11

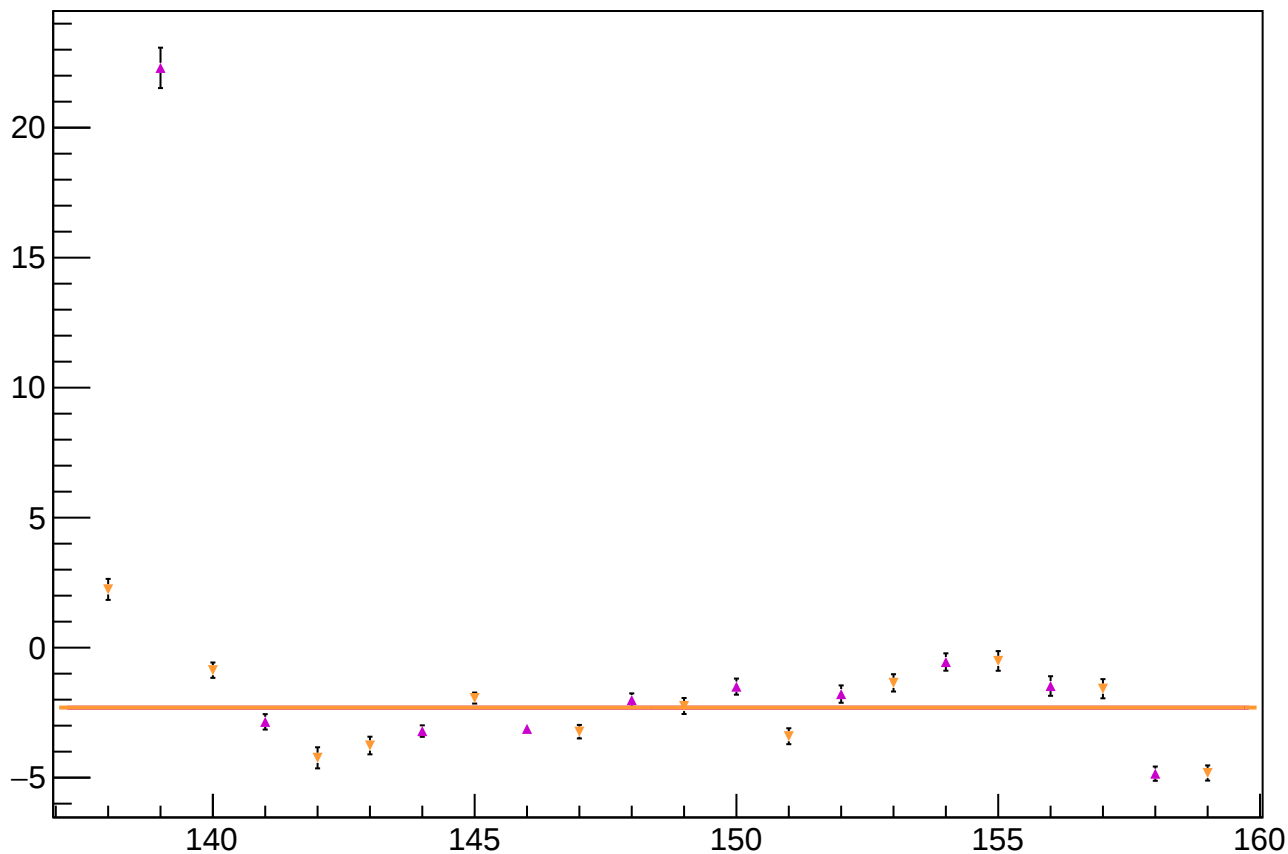
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 3.280 $\pm$ 0.129 χ^2 /NDF:478.1/9

3.759 $\pm$ 0.126 χ^2 /NDF: 285.2/11

3.280 $\pm$ 0.129 χ^2 /NDF: 478.1/9

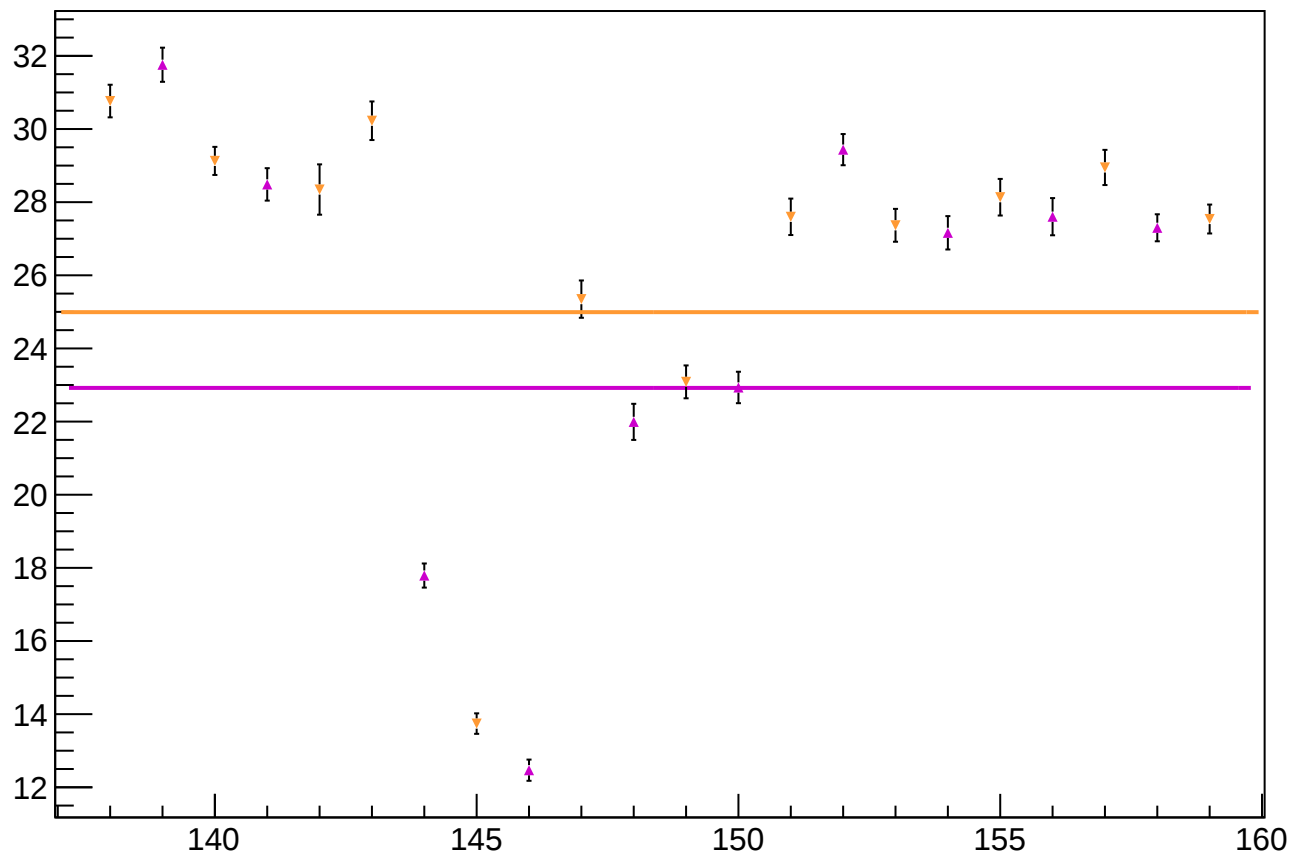
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.304+/-0.089 χ^2/NDF : 329.1/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.310+/-0.090 χ^2/NDF : 1169.0/9

-2.304+/-0.089 χ^2/NDF : 329.1/11
 -2.310+/-0.090 χ^2/NDF : 1169.0/9

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 24.992+/-0.126 χ^2/NDF :2238.8/11

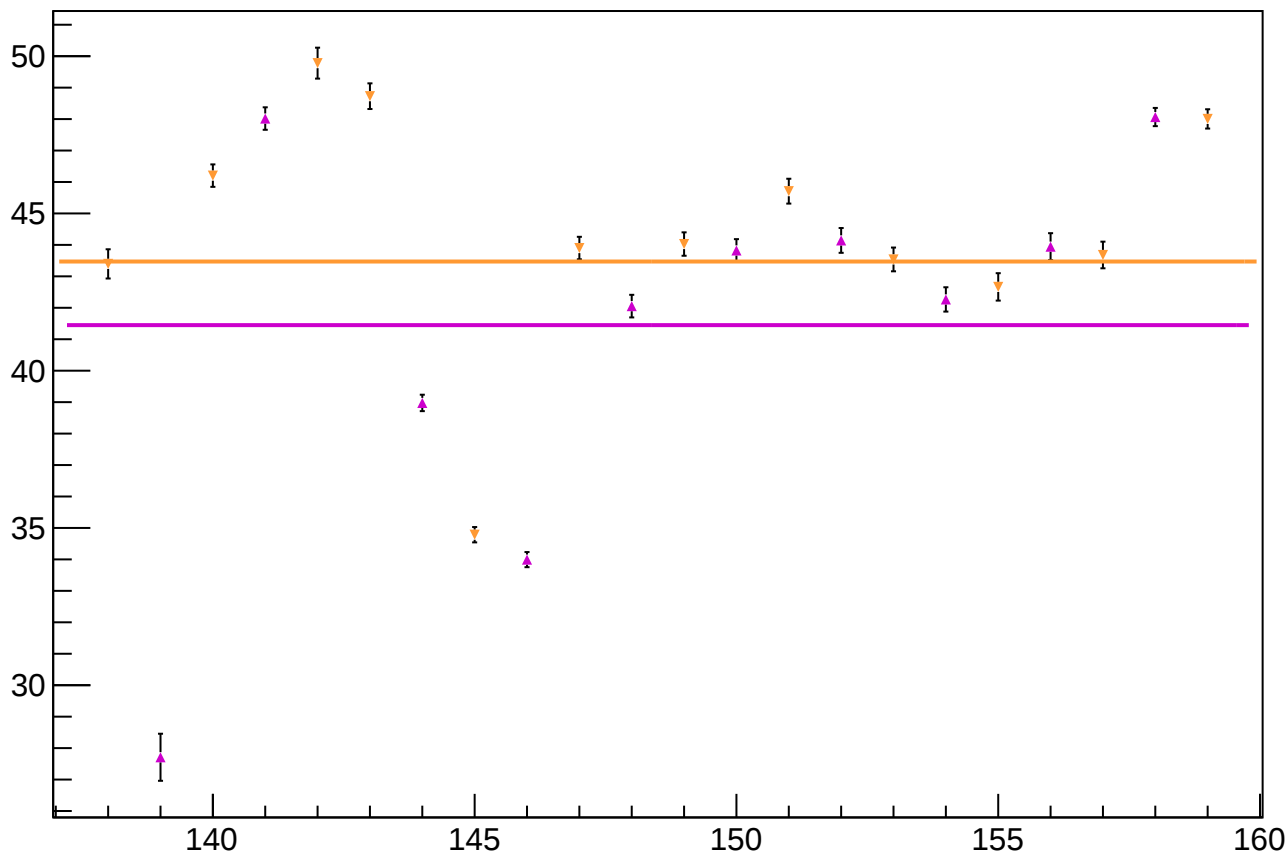
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 22.921+/-0.127 χ^2/NDF :2605.3/9

24.992+/-0.126 χ^2/NDF : 2238.8/11

22.921+/-0.127 χ^2/NDF : 2605.3/9

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 43.471+/-0.106 χ^2/NDF :1914.5/11

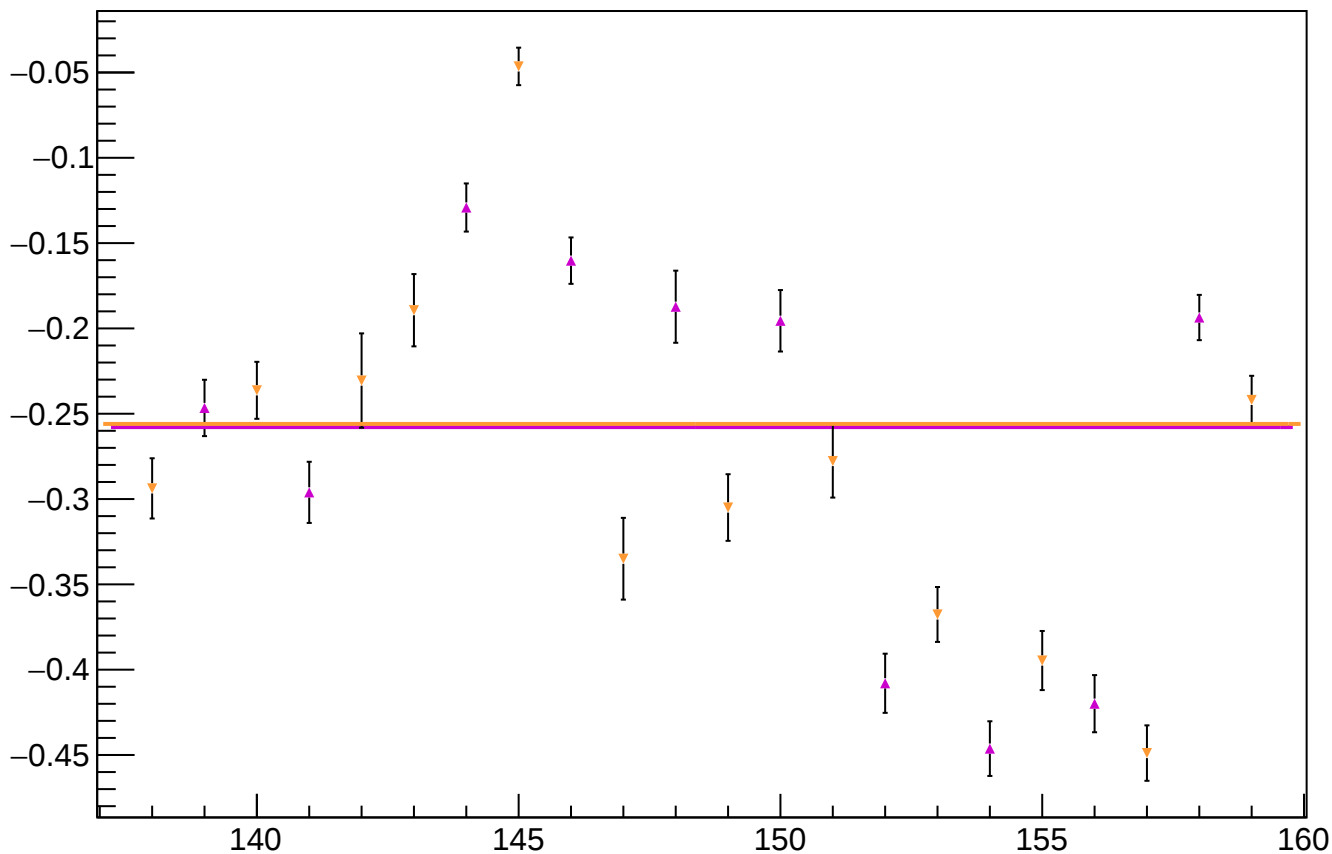
43.471+/-0.106 χ^2/NDF : 1914.5/11

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

Left In: 41.449+/-0.107 χ^2/NDF :2378.7/9

41.449+/-0.107 χ^2/NDF : 2378.7/9

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



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

Left Out: -0.256+/-0.005 χ^2/NDF : 653.0/11

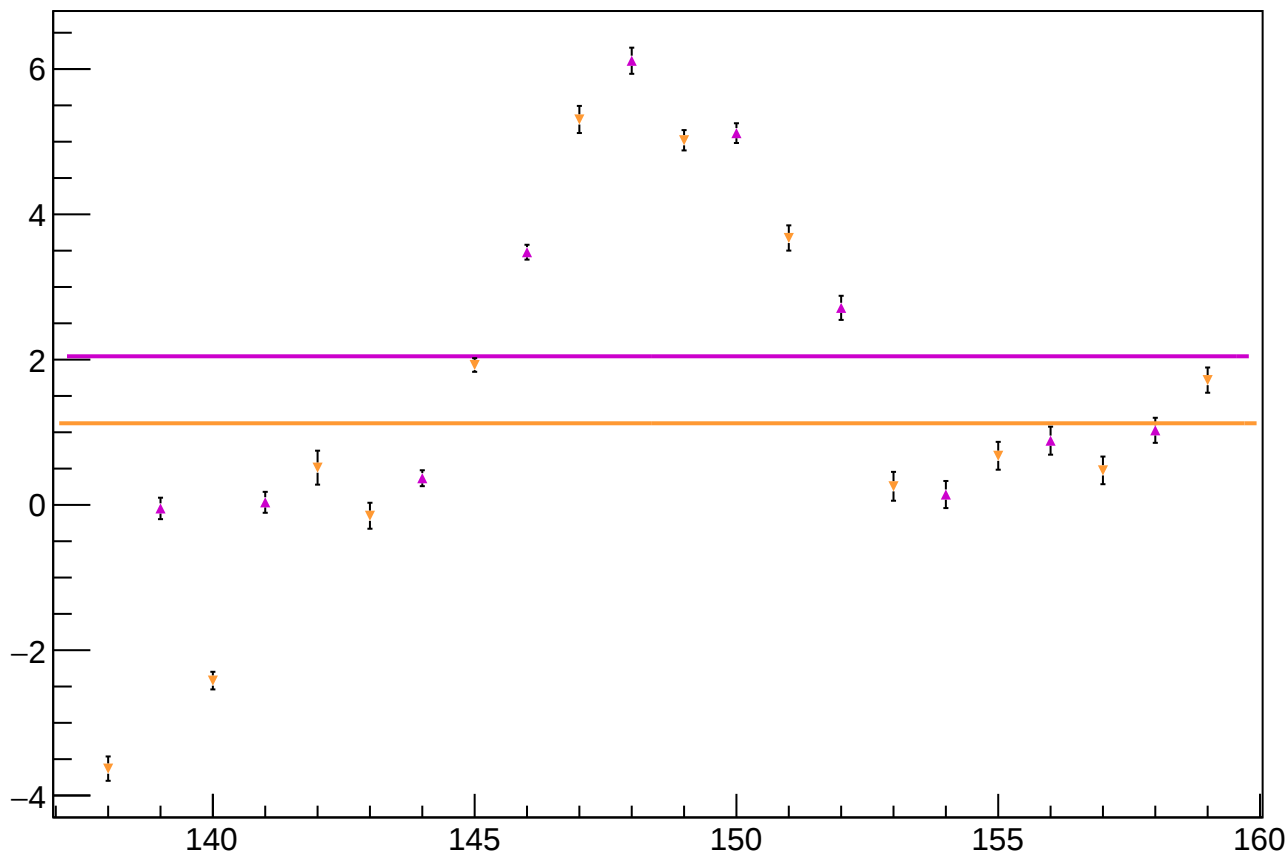
-0.256+/-0.005 χ^2/NDF : 653.0/11

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

-0.258+/-0.005 χ^2/NDF : 493.2/9

Left In: -0.258+/-0.005 χ^2/NDF : 493.2/9

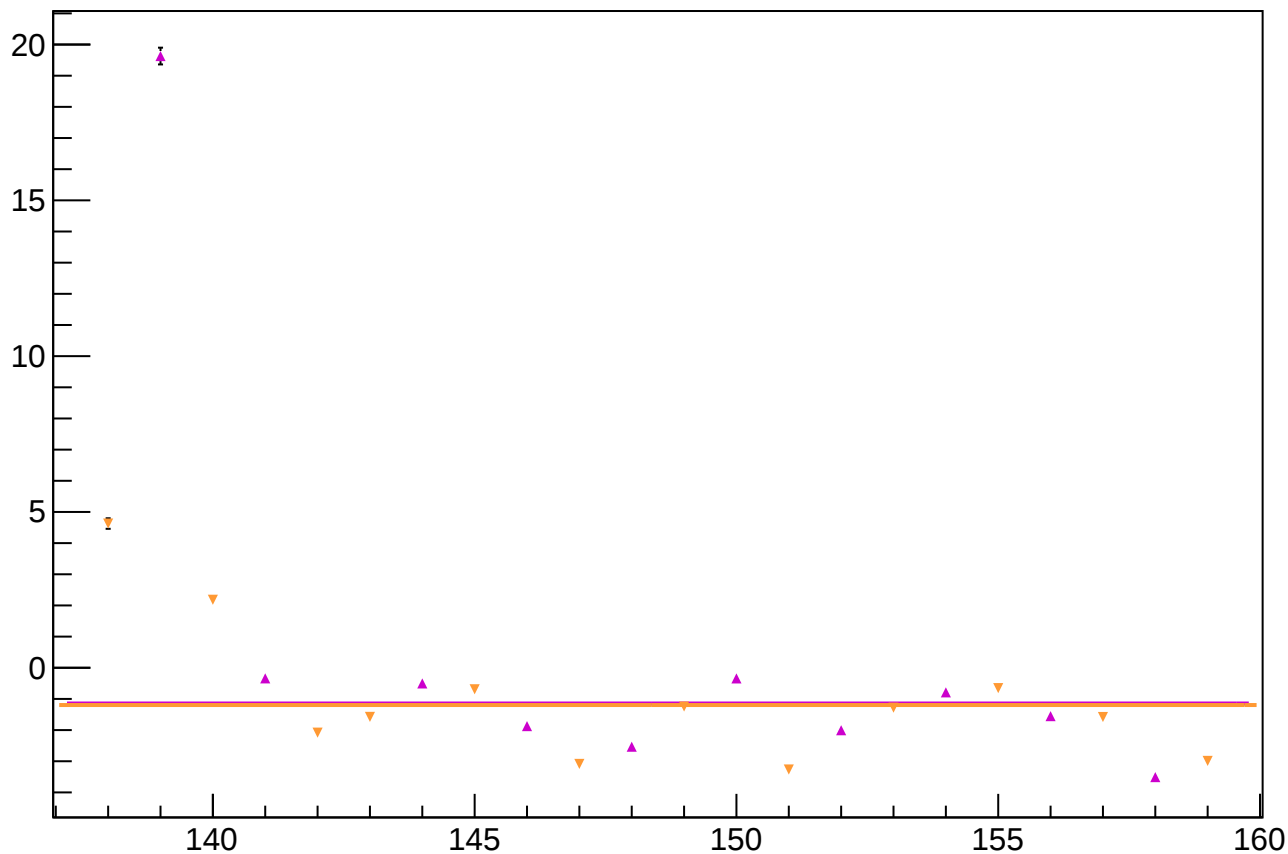
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 1.124+/-0.045 χ^2/NDF : 3331.6/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.046+/-0.045 χ^2/NDF : 2040.2/9

1.124+/-0.045 χ^2/NDF : 3331.6/11
 2.046+/-0.045 χ^2/NDF : 2040.2/9

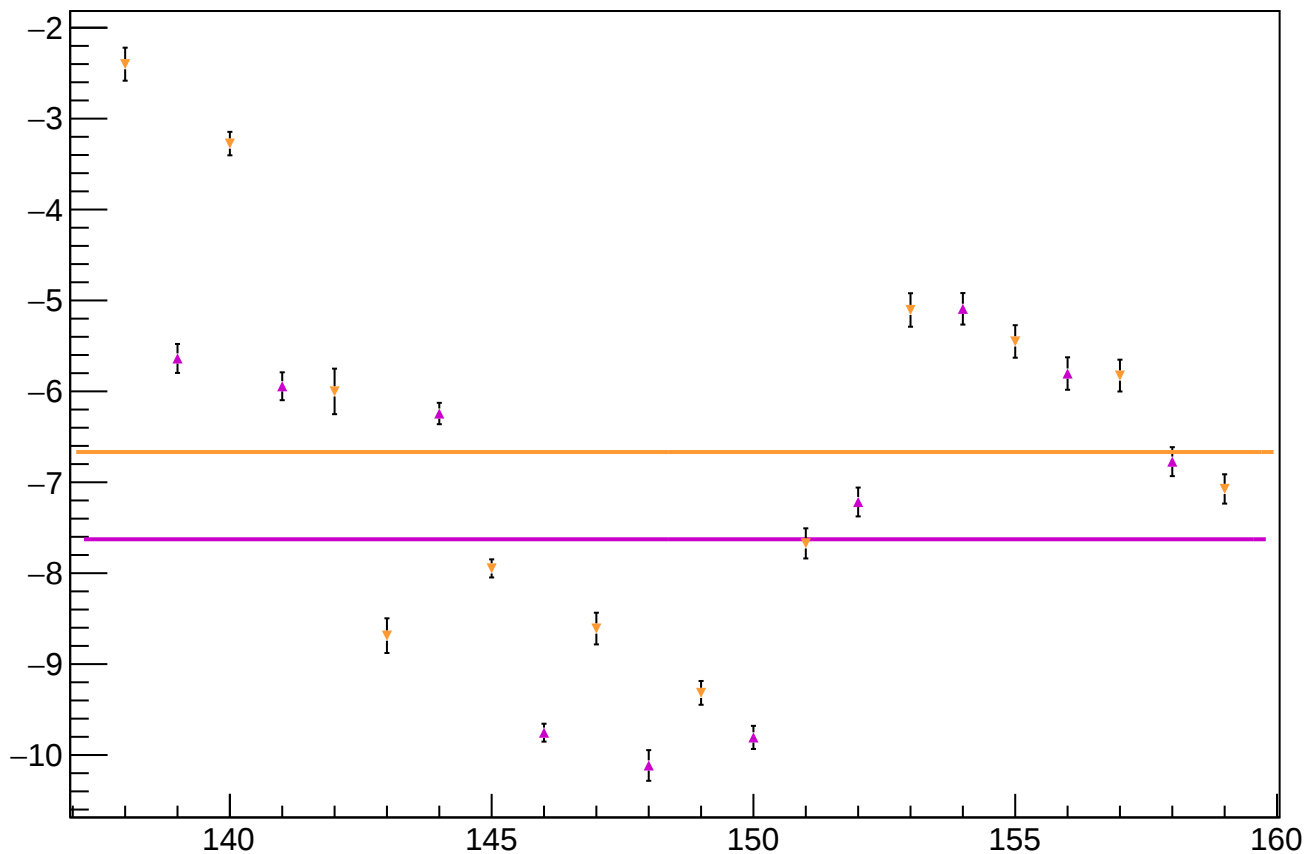
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.196+/-0.032 χ^2/NDF : 3515.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.147+/-0.032 χ^2/NDF : 6994.1/9

-1.196+/-0.032 χ^2/NDF : 3515.2/11
 -1.147+/-0.032 χ^2/NDF : 6994.1/9

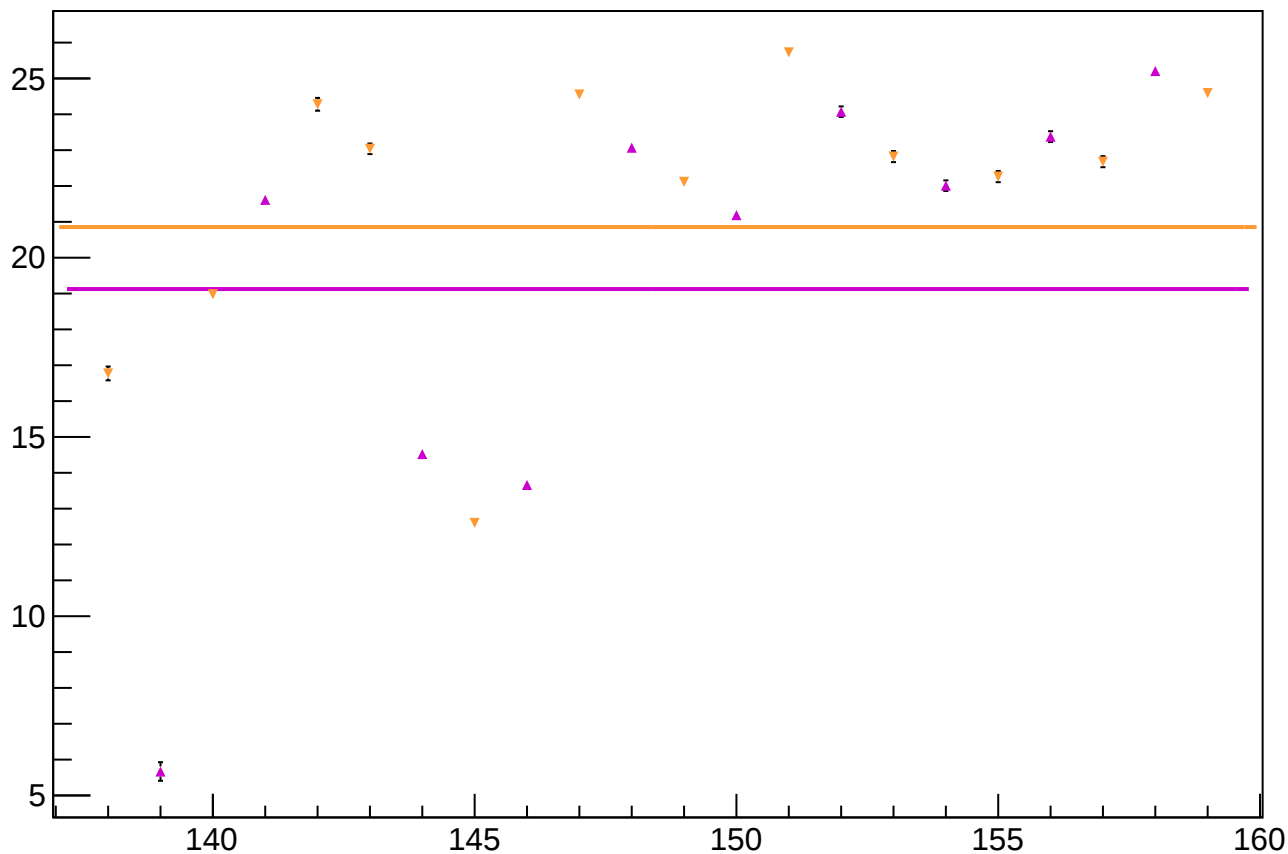
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.667+/-0.045 χ^2/NDF : 2245.5/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.627+/-0.045 χ^2/NDF : 1746.3/9

-6.667+/-0.045 χ^2/NDF : 2245.5/11
 -7.627+/-0.045 χ^2/NDF : 1746.3/9

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 20.854+/-0.038 χ^2/NDF :13702.2/11

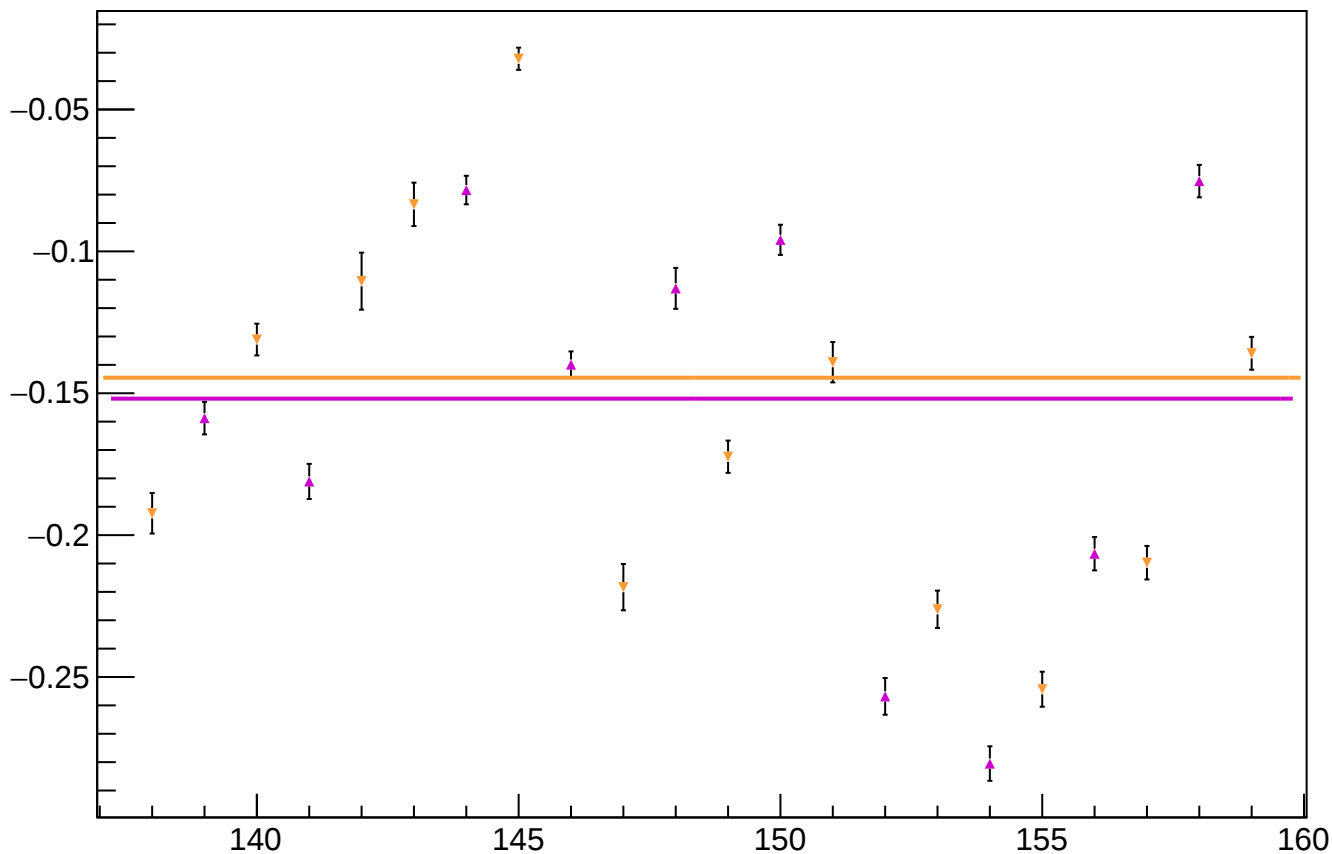
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 19.126+/-0.038 χ^2/NDF :16016.5/9

20.854+/-0.038 χ^2/NDF : 13702.2/11

19.126+/-0.038 χ^2/NDF : 16016.5/9

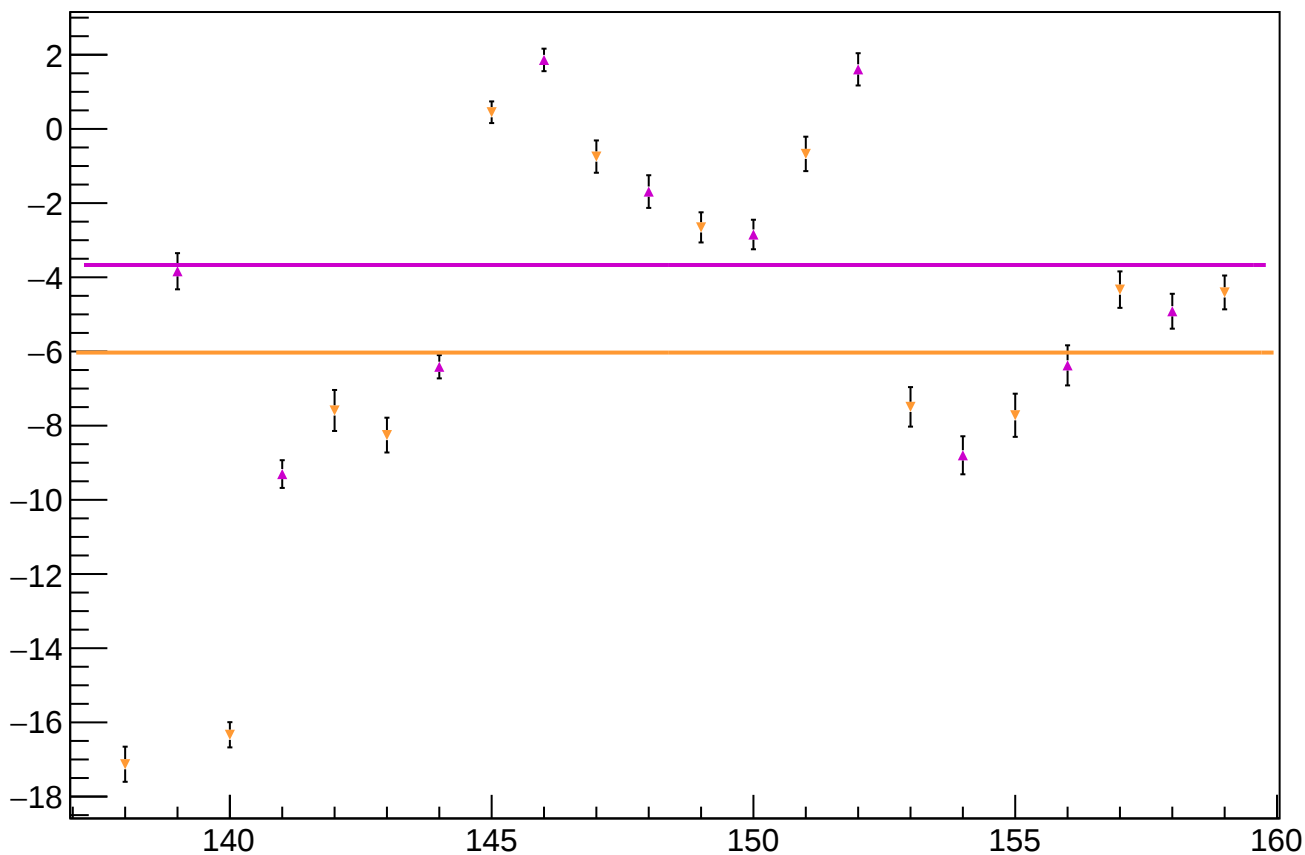
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.145+/-0.002 χ^2/NDF : 1653.1/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.152+/-0.002 χ^2/NDF : 1360.6/9

-0.145+/-0.002 χ^2/NDF : 1653.1/11
 -0.152+/-0.002 χ^2/NDF : 1360.6/9

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug

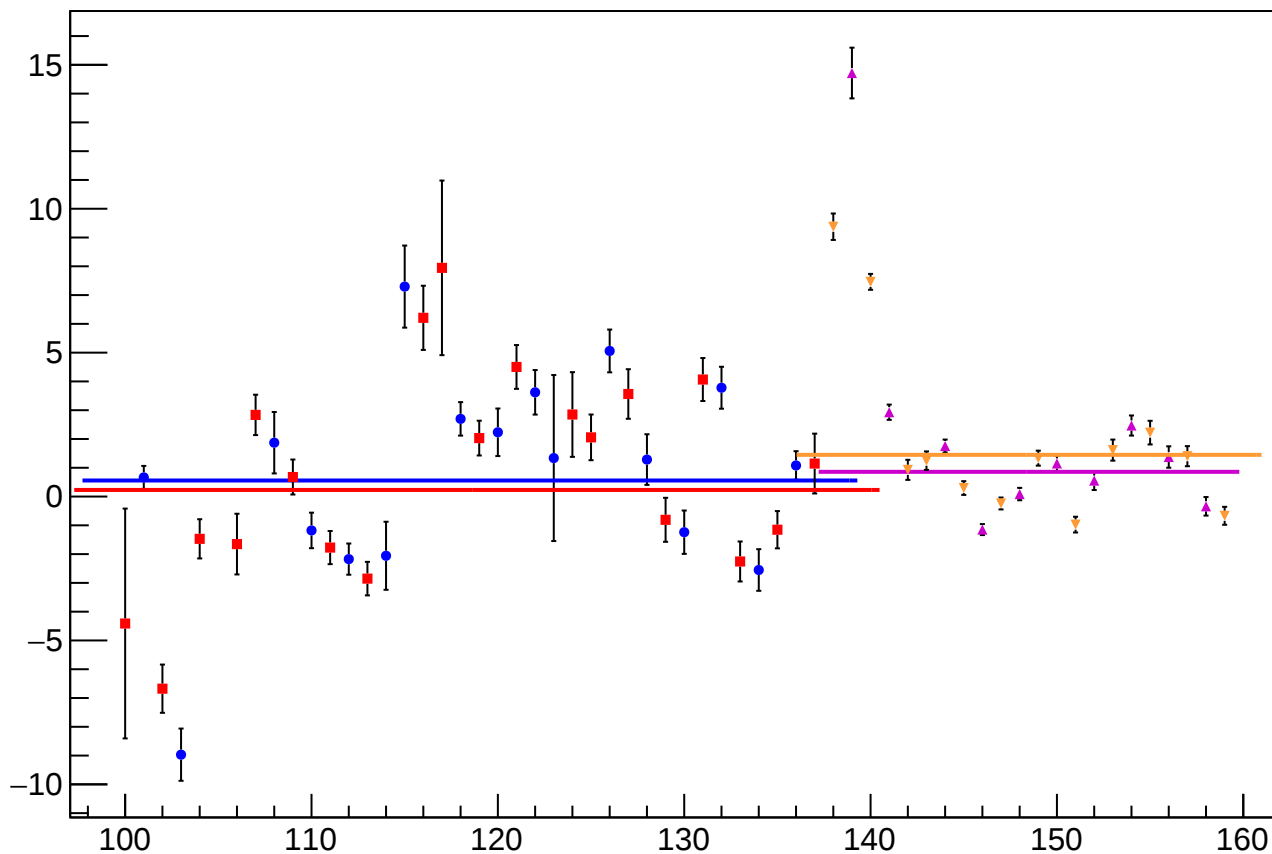


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.030+/-0.125 χ^2/NDF : 2380.6/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.668+/-0.128 χ^2/NDF : 939.6/9

-6.030+/-0.125 χ^2/NDF : 2380.6/11

-3.668+/-0.128 χ^2/NDF : 939.6/9

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 $\pm$ 0.170 χ^2 /NDF: 287.9/16

Left Out: 1.449 $\pm$ 0.086 χ^2 /NDF:992.2/11

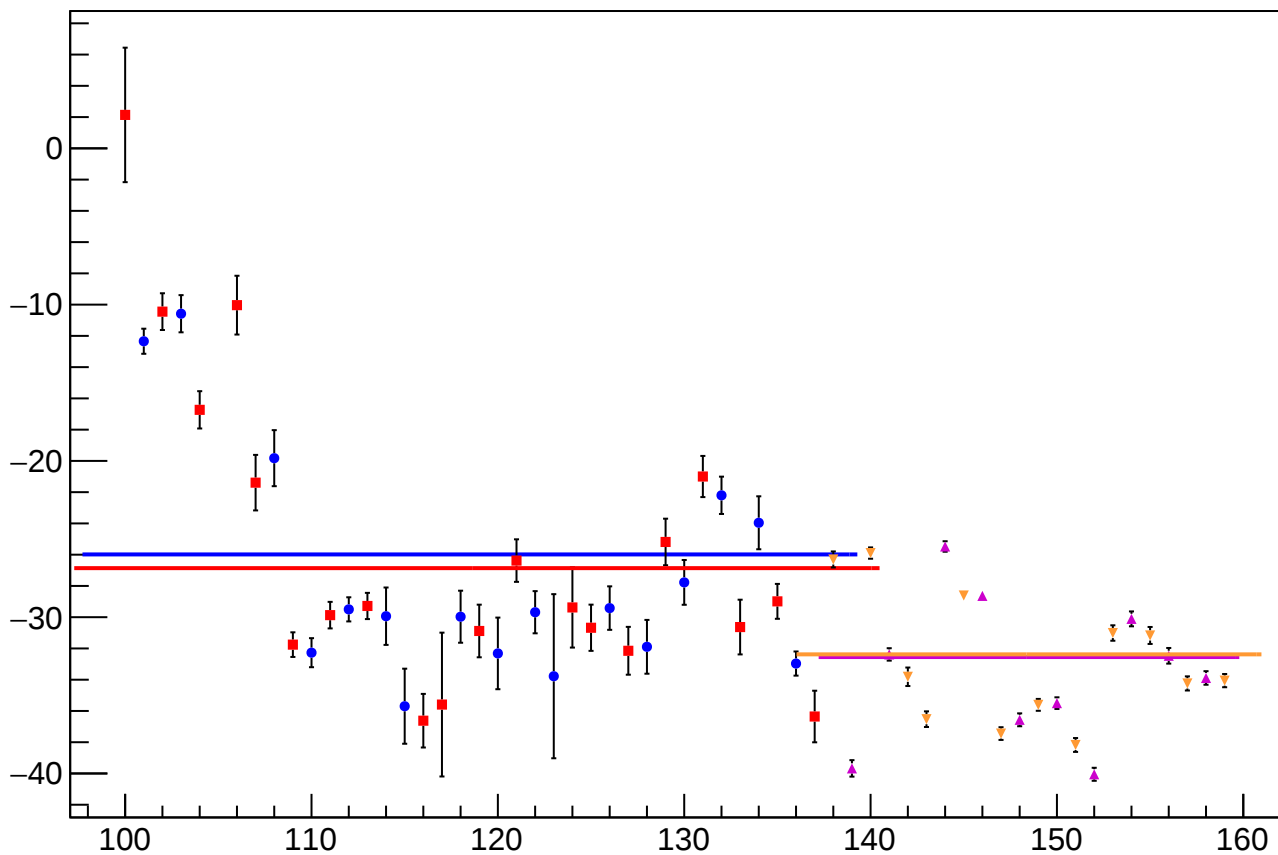
Right Out: 0.230 $\pm$ 0.174 χ^2 /NDF: 278.5/19

Left In: 0.859 $\pm$ 0.087 χ^2 /NDF:486.6/9

1.269 $\pm$ 0.076 χ^2 /NDF: 1302.0/28

0.734 $\pm$ 0.078 χ^2 /NDF: 775.6/29

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -32.378 ± 0.124 χ^2/NDF : 1126.8/11

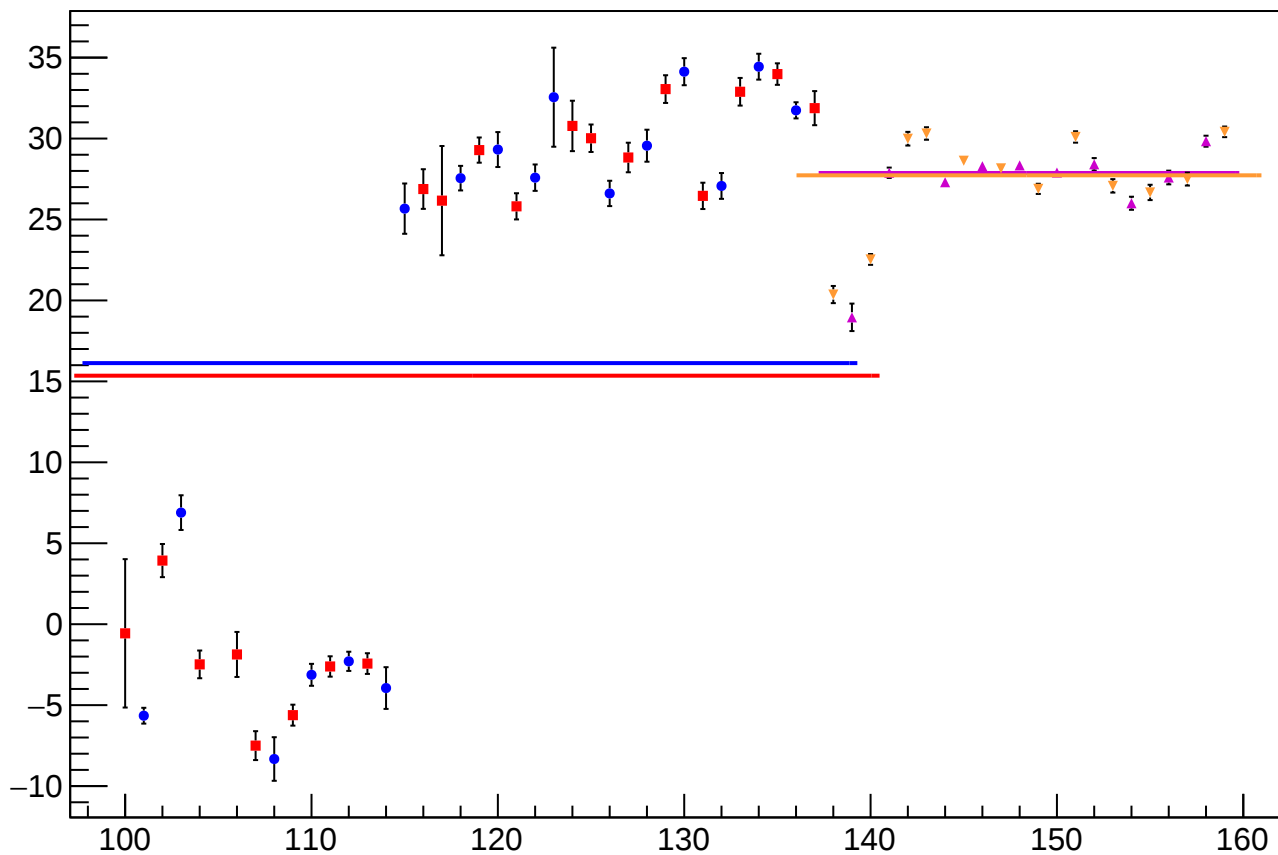
Right Out: -26.861 ± 0.297 χ^2/NDF : 585.2/19

Left In: -32.550 ± 0.126 χ^2/NDF : 1323.8/9

-31.444 ± 0.115 χ^2/NDF : 2205.0/28

-31.684 ± 0.116 χ^2/NDF : 2220.0/29

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 27.729 $\pm$ 0.103 χ^2 /NDF:648.2/11

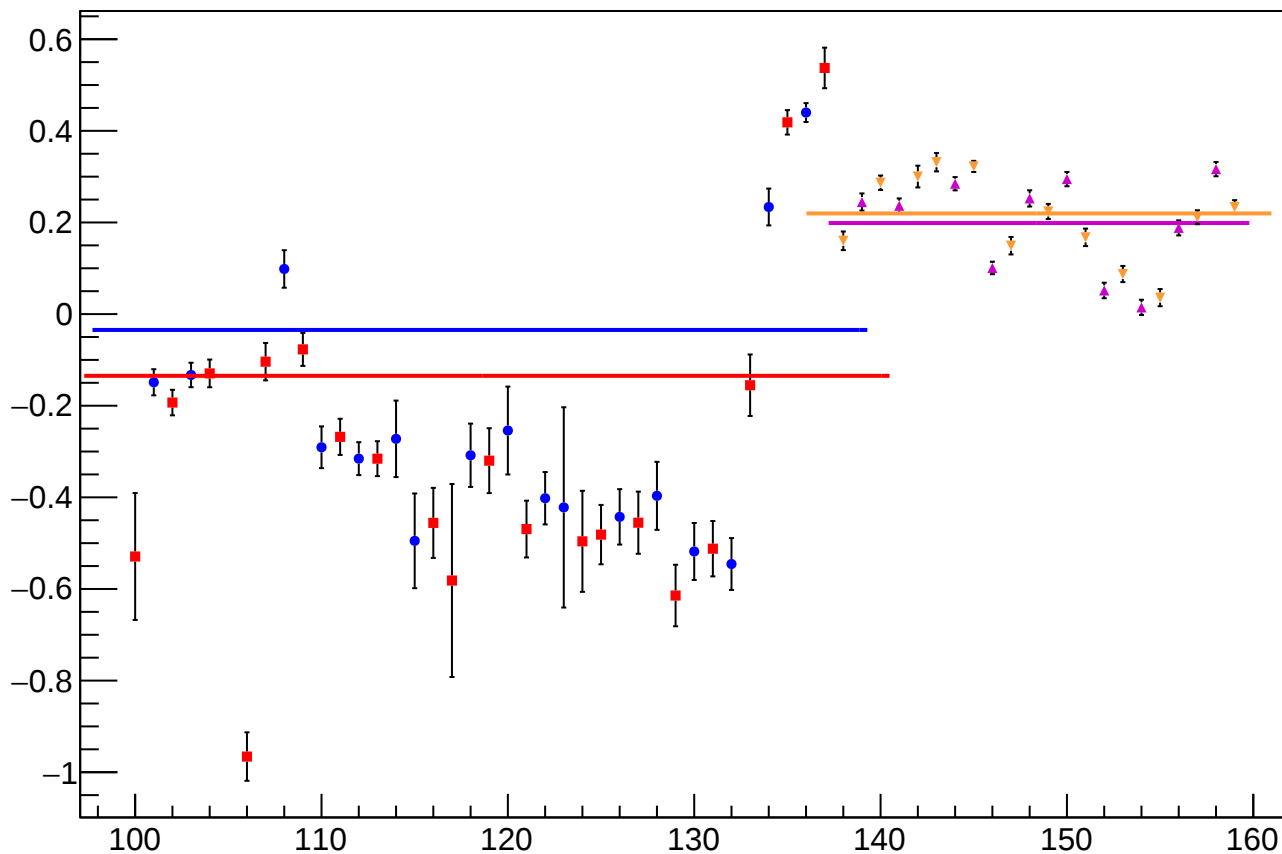
Right Out: 15.352 $\pm$ 0.197 χ^2 /NDF: 7288.4/19

Left In: 27.873 $\pm$ 0.105 χ^2 /NDF:177.6/9

25.138 $\pm$ 0.091 χ^2 /NDF: 11053.8/28

25.112 $\pm$ 0.092 χ^2 /NDF: 10625.1/29

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035+/-0.010 χ^2/NDF : 1011.6/16

Left Out: 0.220+/-0.005 χ^2/NDF : 314.9/11

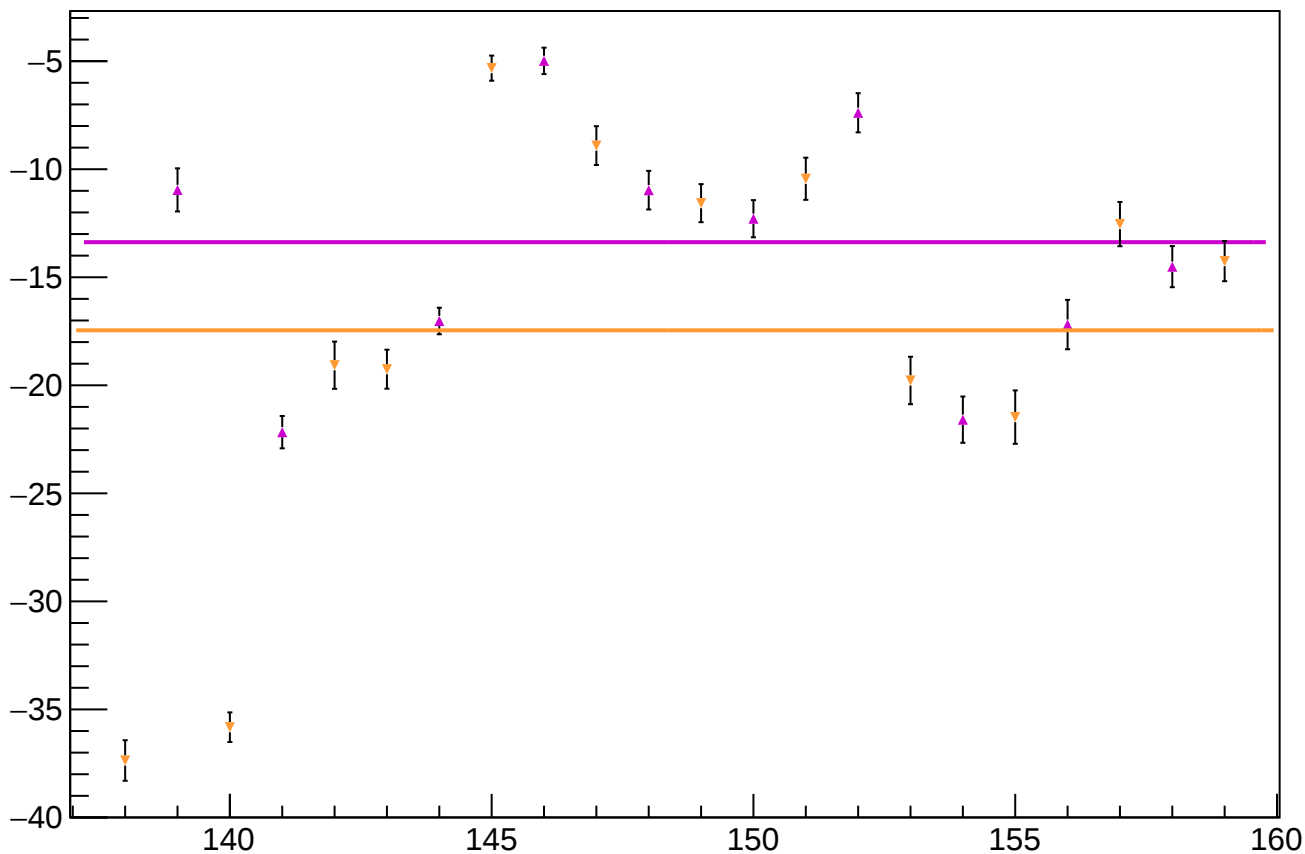
Right Out: -0.135+/-0.010 χ^2/NDF : 1166.4/19

Left In: 0.199+/-0.005 χ^2/NDF : 398.9/9

0.173+/-0.004 χ^2/NDF : 1820.3/28

0.134+/-0.005 χ^2/NDF : 2401.5/29

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

Left Out: -17.454+/-0.254 χ^2/NDF : 1847.2/11

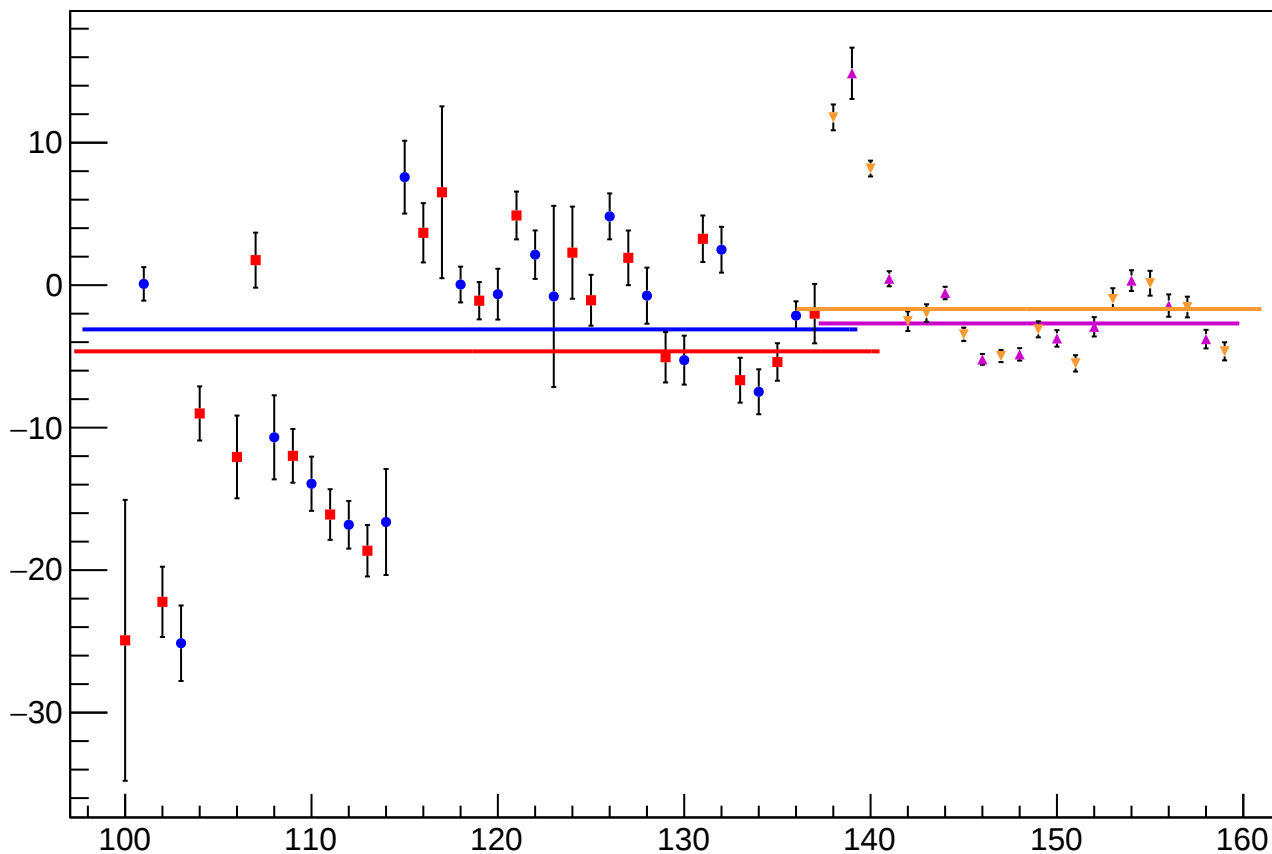
-17.454+/-0.254 χ^2/NDF : 1847.2/11

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

-13.376+/-0.261 χ^2/NDF : 491.9/9

Left In: -13.376+/-0.261 χ^2/NDF : 491.9/9

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.104 ± 0.411 $\chi^2/\text{NDF}: 279.1/16$

Left Out: -1.672 ± 0.175 $\chi^2/\text{NDF}: 689.1/11$

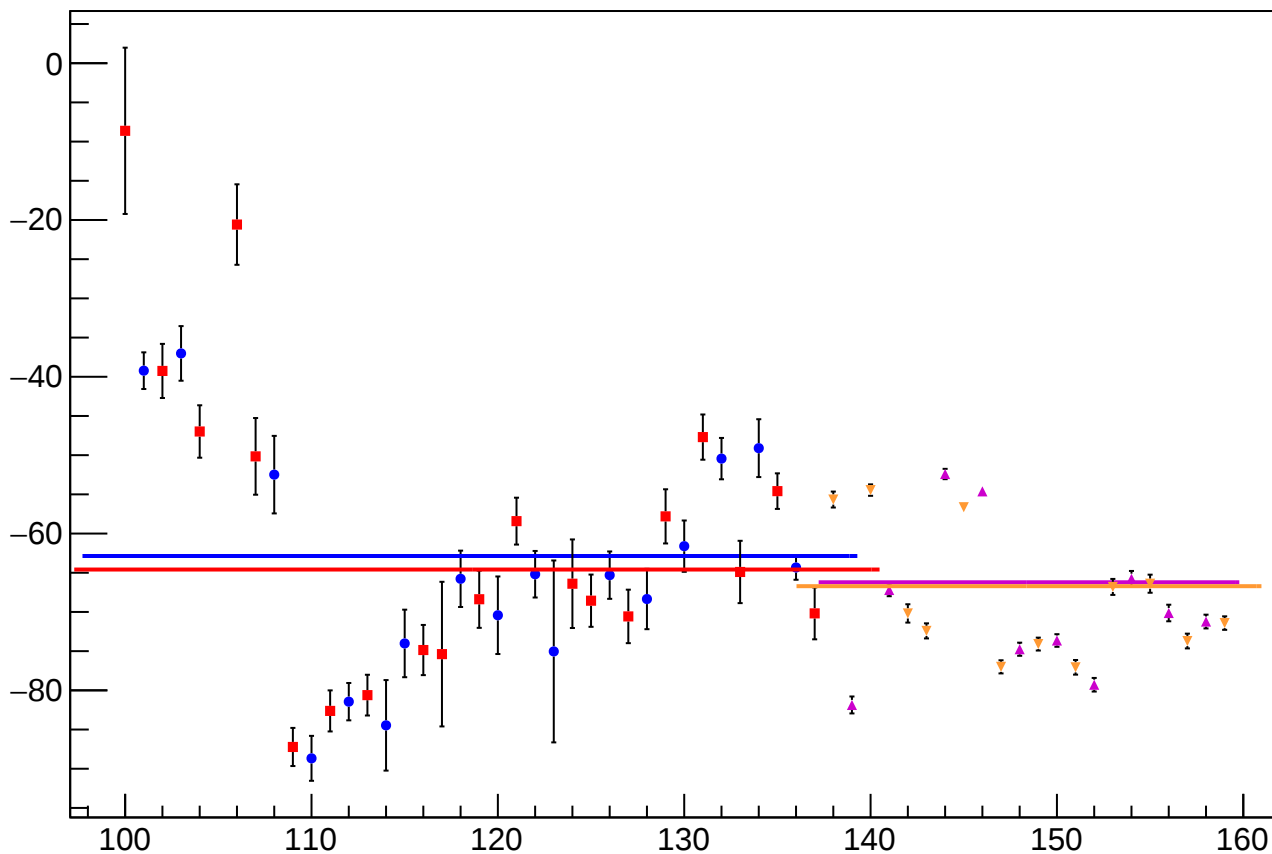
Right Out: -4.645 ± 0.425 $\chi^2/\text{NDF}: 301.1/19$

Left In: -2.687 ± 0.176 $\chi^2/\text{NDF}: 249.3/9$

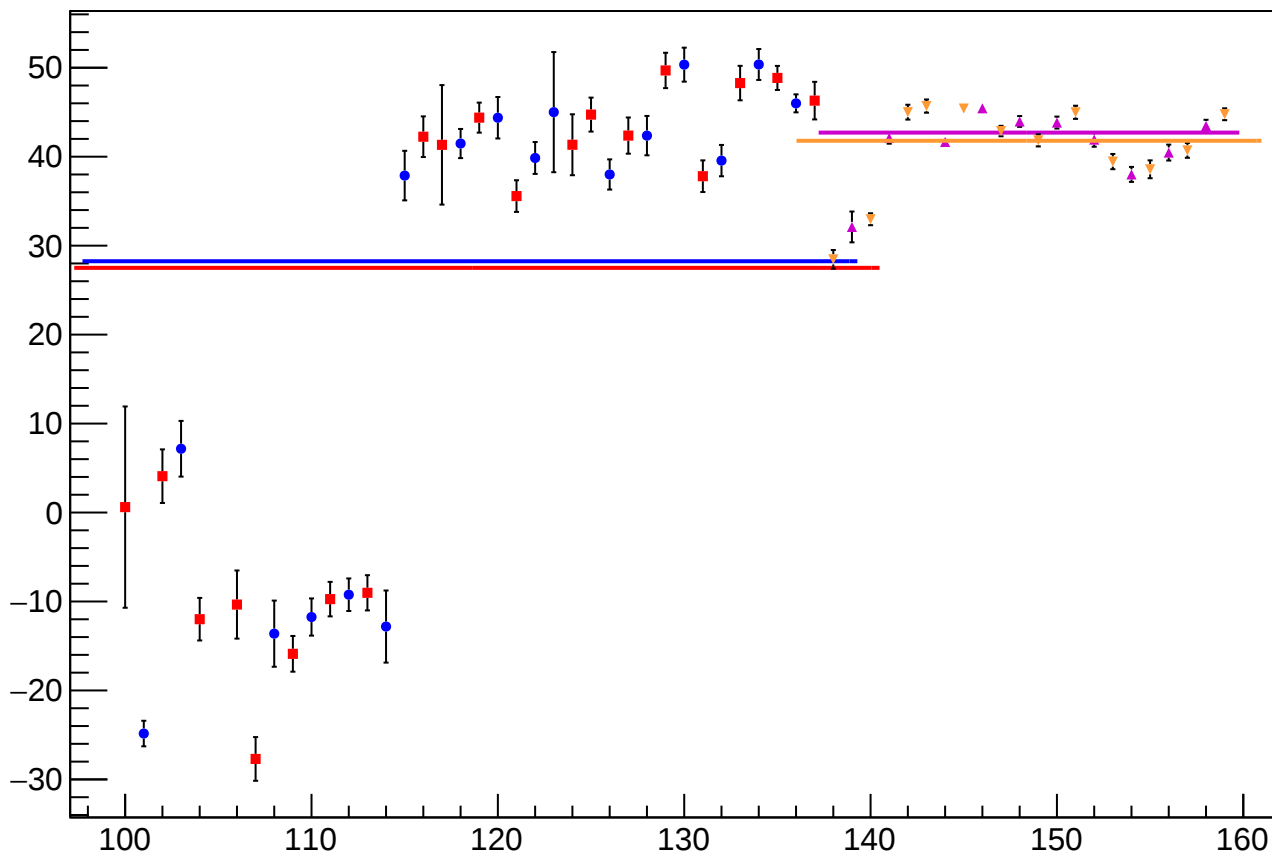
-1.891 ± 0.161 $\chi^2/\text{NDF}: 978.5/28$

-2.972 ± 0.162 $\chi^2/\text{NDF}: 568.5/29$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.250 $\pm$ 0.460 χ^2/NDF : 3319.5/16

Left Out: 41.790 $\pm$ 0.210 χ^2/NDF : 482.1/11

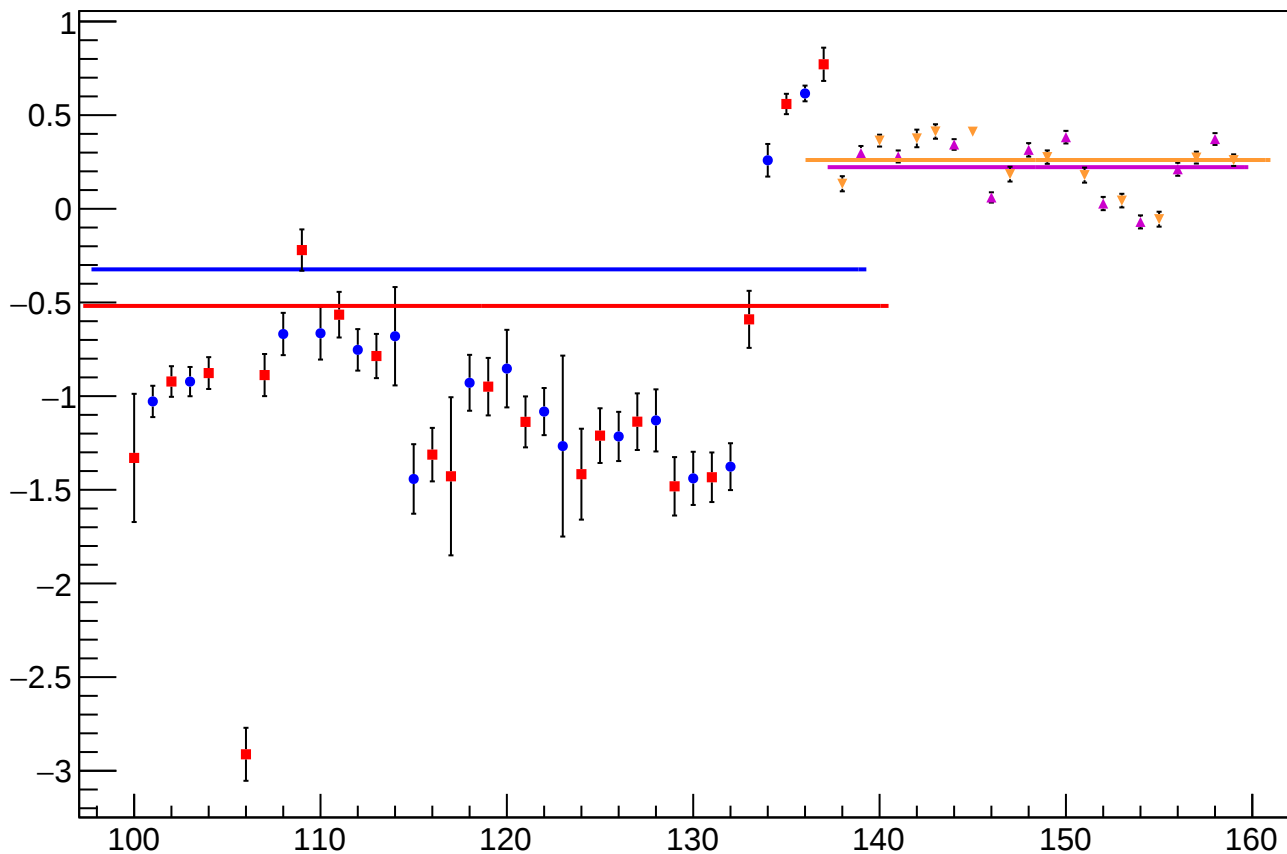
Right Out: 27.505 $\pm$ 0.478 χ^2/NDF : 3036.7/19

Left In: 42.709 $\pm$ 0.213 χ^2/NDF : 122.0/9

39.454 $\pm$ 0.191 χ^2/NDF : 4518.2/28

40.194 $\pm$ 0.194 χ^2/NDF : 4004.5/29

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.261 ± 0.010 χ^2/NDF : 187.1/11

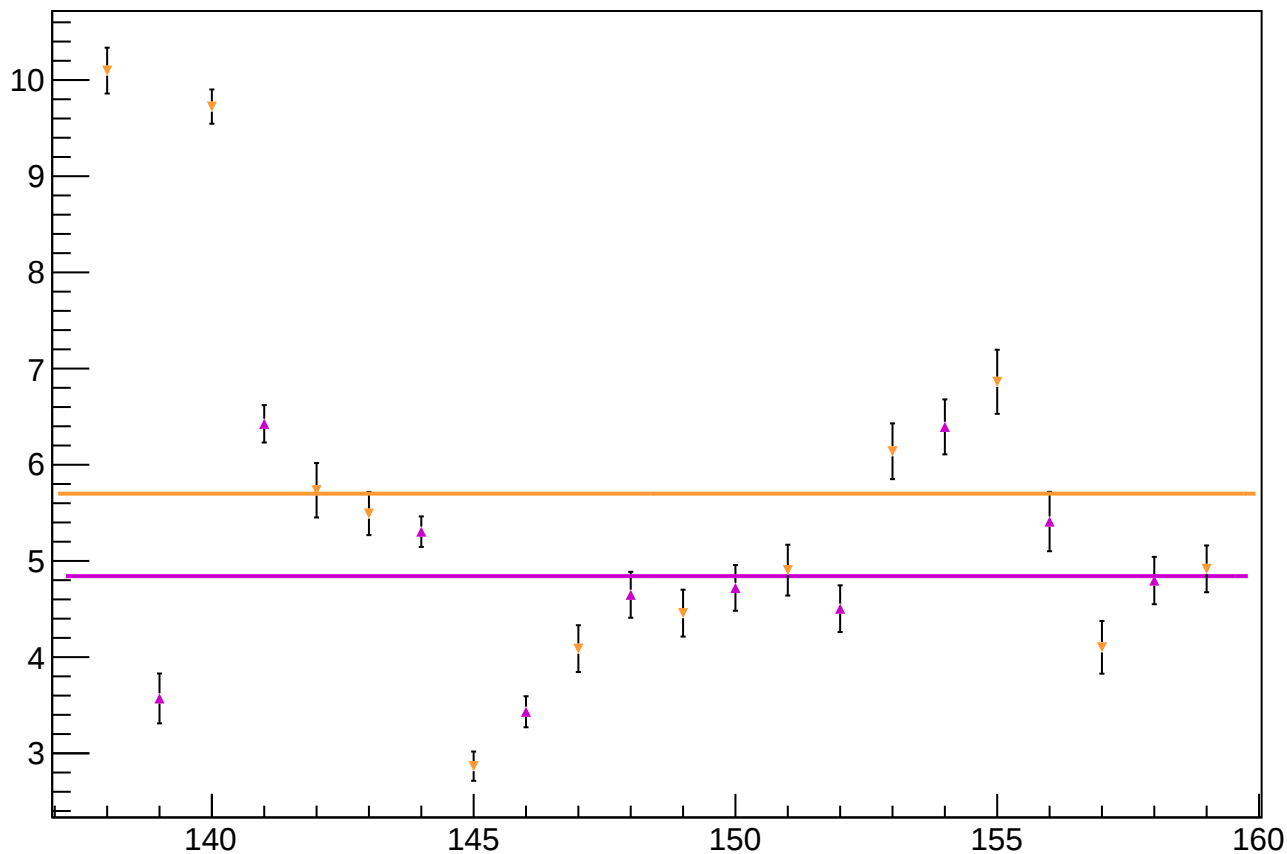
Right Out: -0.518 ± 0.026 χ^2/NDF : 1165.5/19

Left In: 0.222 ± 0.010 χ^2/NDF : 212.0/9

0.179 ± 0.009 χ^2/NDF : 1668.7/28

0.119 ± 0.010 χ^2/NDF : 2091.6/29

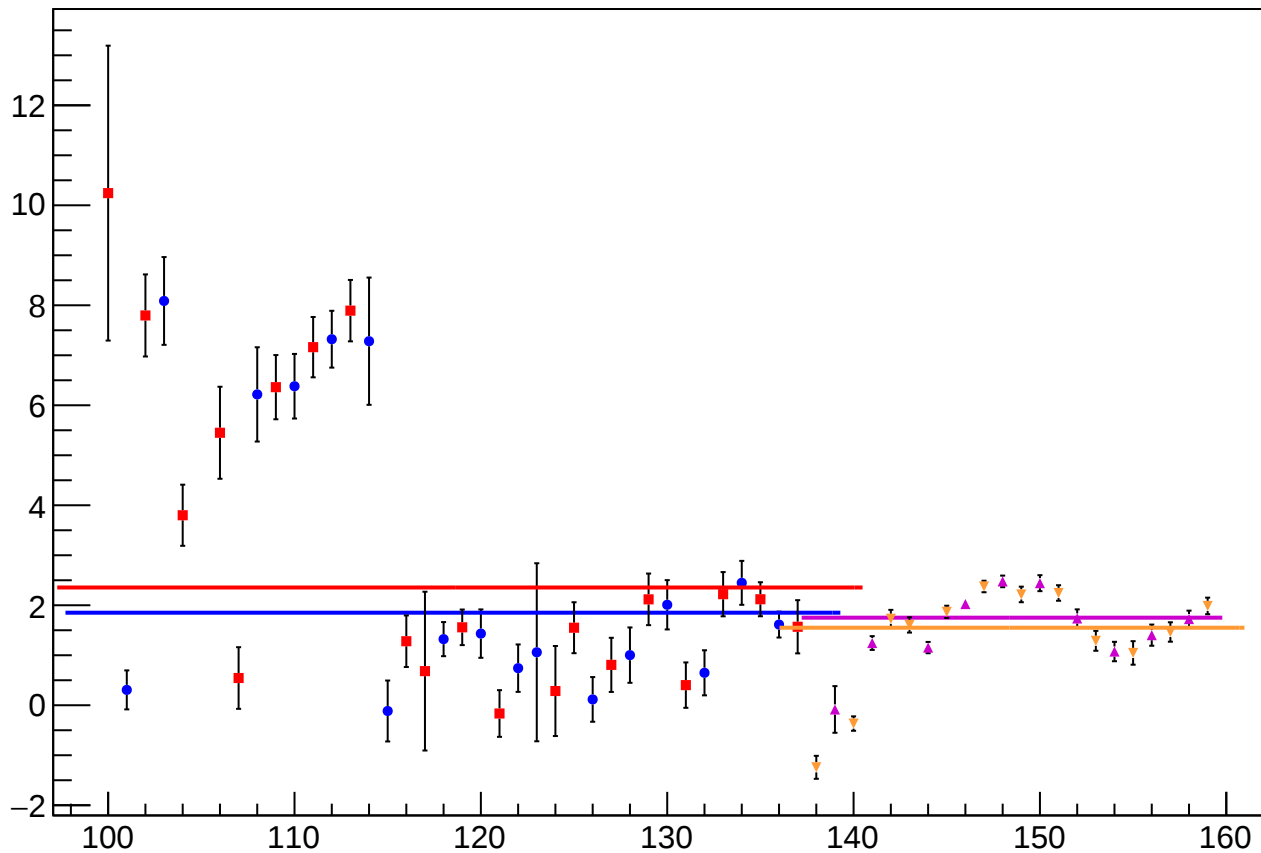
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.700+/-0.067 χ^2/NDF :1337.0/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.842+/-0.069 χ^2/NDF :211.3/9

5.700+/-0.067 χ^2/NDF : 1337.0/11
 4.842+/-0.069 χ^2/NDF : 211.3/9

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 1.551 ± 0.046 χ^2/NDF : 435.2/11

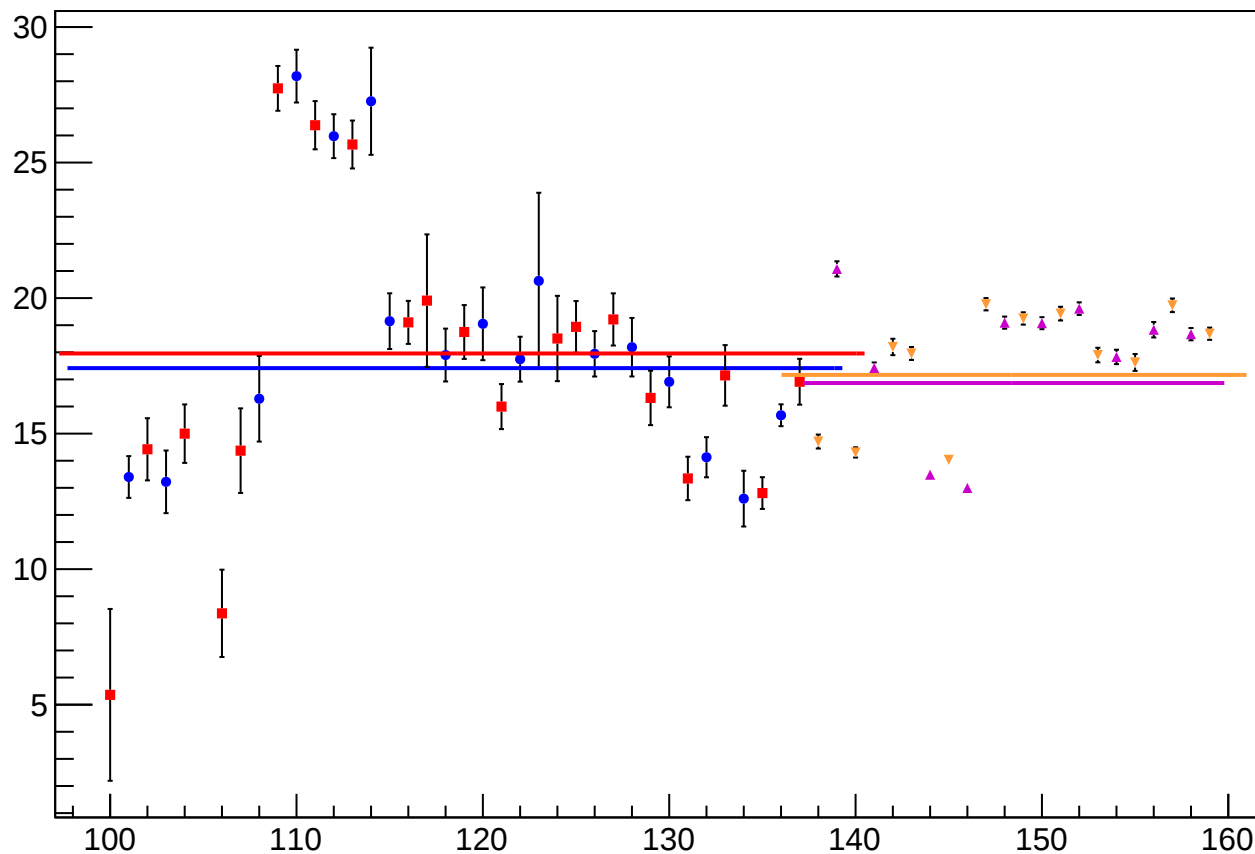
Right Out: 2.355 ± 0.122 χ^2/NDF : 337.4/19

Left In: 1.752 ± 0.046 χ^2/NDF : 137.4/9

1.591 ± 0.043 χ^2/NDF : 735.1/28

1.827 ± 0.043 χ^2/NDF : 496.1/29

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 ± 0.213 χ^2/NDF : 367.0/16

Left Out: 17.165 ± 0.067 χ^2/NDF : 1170.2/11

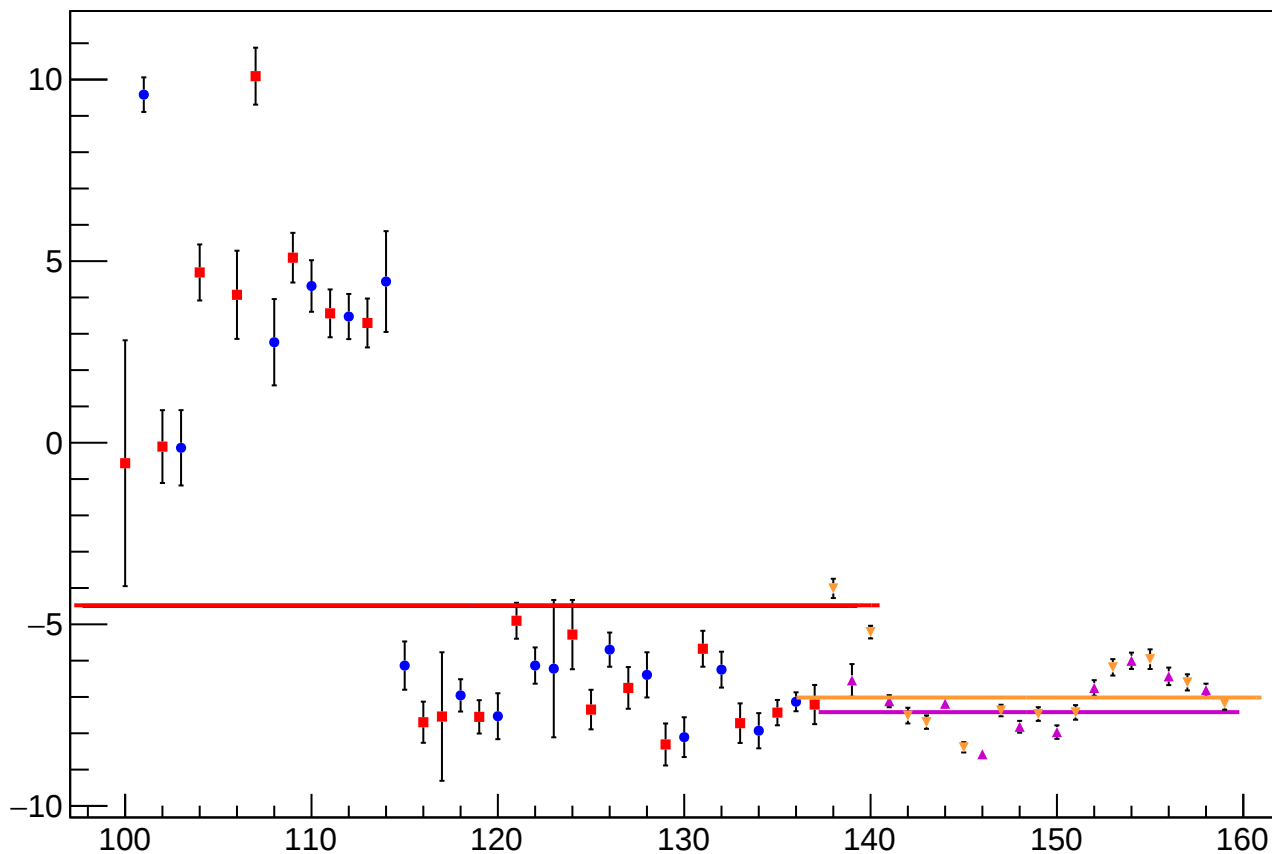
Right Out: 17.957 ± 0.218 χ^2/NDF : 506.2/19

Left In: 16.867 ± 0.068 χ^2/NDF : 1715.6/9

17.188 ± 0.064 χ^2/NDF : 1538.5/28

16.963 ± 0.065 χ^2/NDF : 2244.6/29

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.491 ± 0.130 $\chi^2/\text{NDF}: 1585.4/16$

Left Out: -7.016 ± 0.055 $\chi^2/\text{NDF}: 394.7/11$

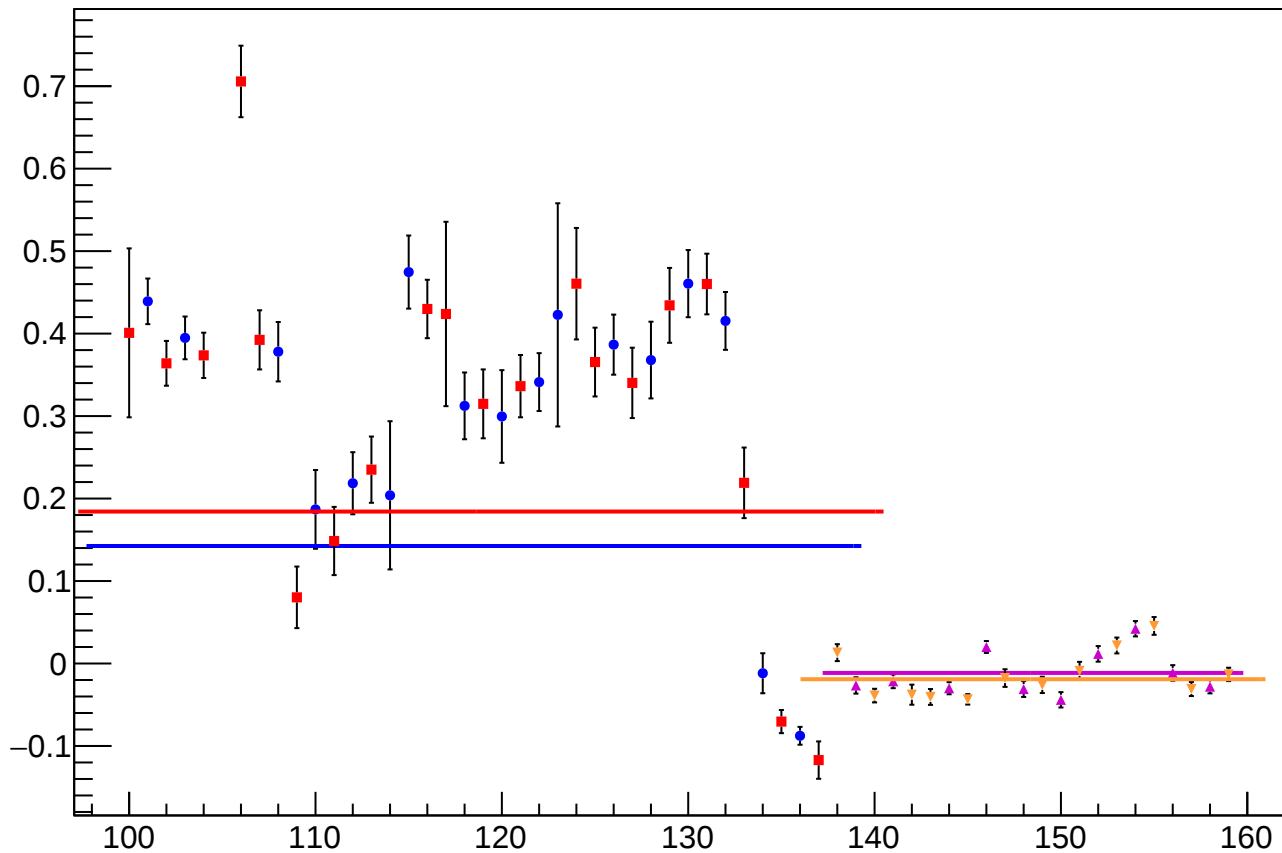
Right Out: -4.476 ± 0.137 $\chi^2/\text{NDF}: 1342.0/19$

Left In: -7.418 ± 0.056 $\chi^2/\text{NDF}: 189.4/9$

-6.630 ± 0.051 $\chi^2/\text{NDF}: 2297.4/28$

-6.994 ± 0.052 $\chi^2/\text{NDF}: 1928.2/29$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.007 $\chi^2/\text{NDF}: 1058.8/16$

Left Out: -0.019 ± 0.003 $\chi^2/\text{NDF}: 95.7/11$

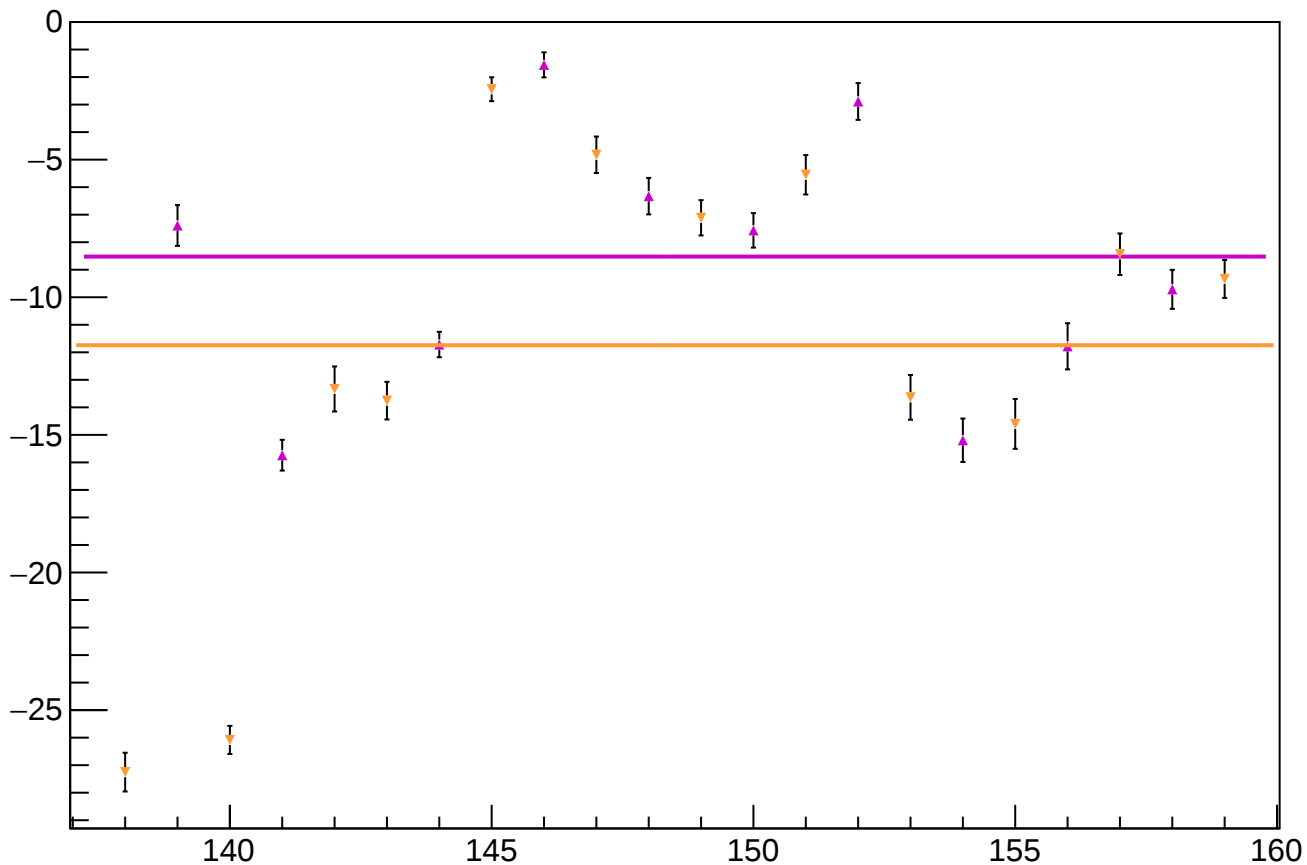
Right Out: 0.184 ± 0.007 $\chi^2/\text{NDF}: 1005.5/19$

Left In: -0.011 ± 0.003 $\chi^2/\text{NDF}: 88.7/9$

0.001 ± 0.002 $\chi^2/\text{NDF}: 1612.2/28$

0.012 ± 0.003 $\chi^2/\text{NDF}: 1710.3/29$

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

Left Out: -11.742+/-0.189 χ^2/NDF : 2027.5/11

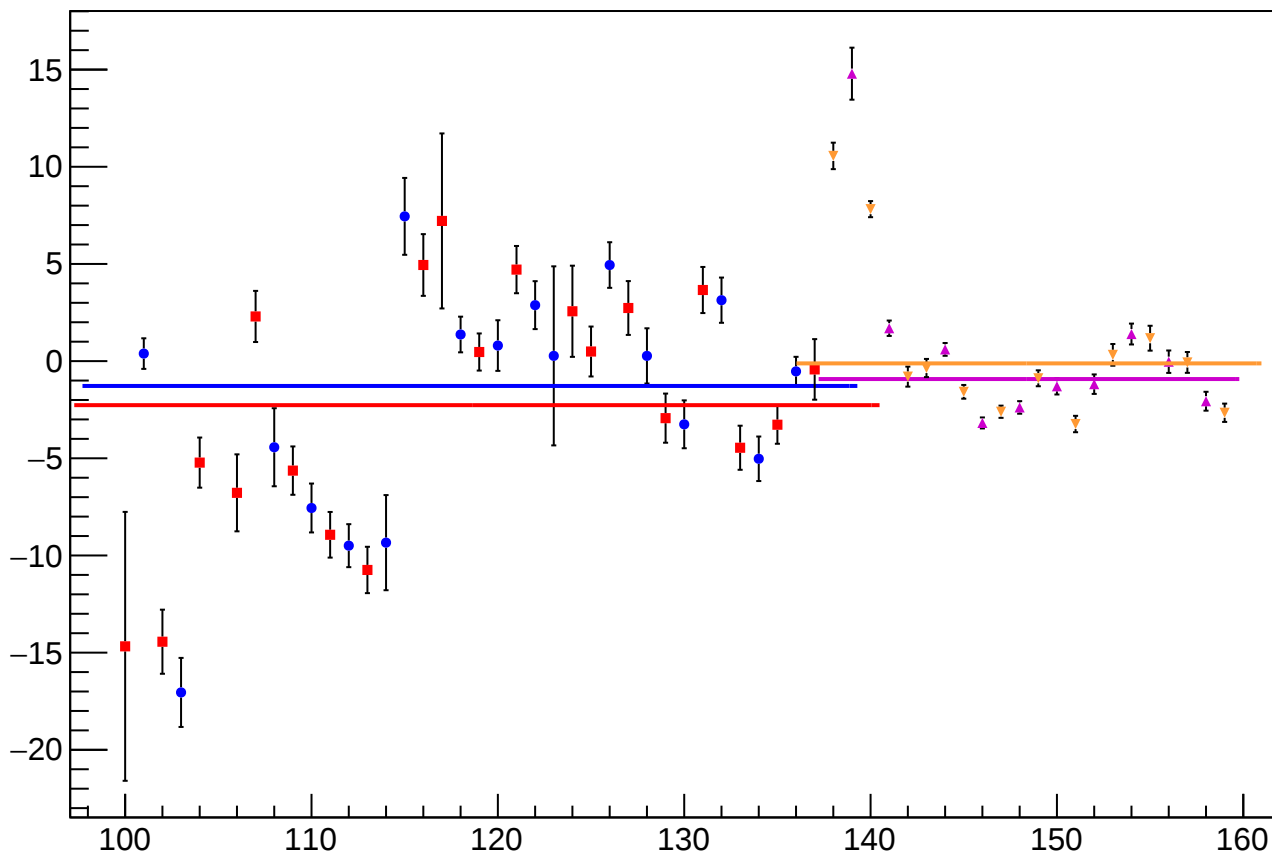
-11.742+/-0.189 χ^2/NDF : 2027.5/11

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

-8.523+/-0.194 χ^2/NDF : 625.7/9

Left In: -8.523+/-0.194 χ^2/NDF : 625.7/9

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

Left Out: -0.117 ± 0.130 χ^2/NDF : 786.7/11

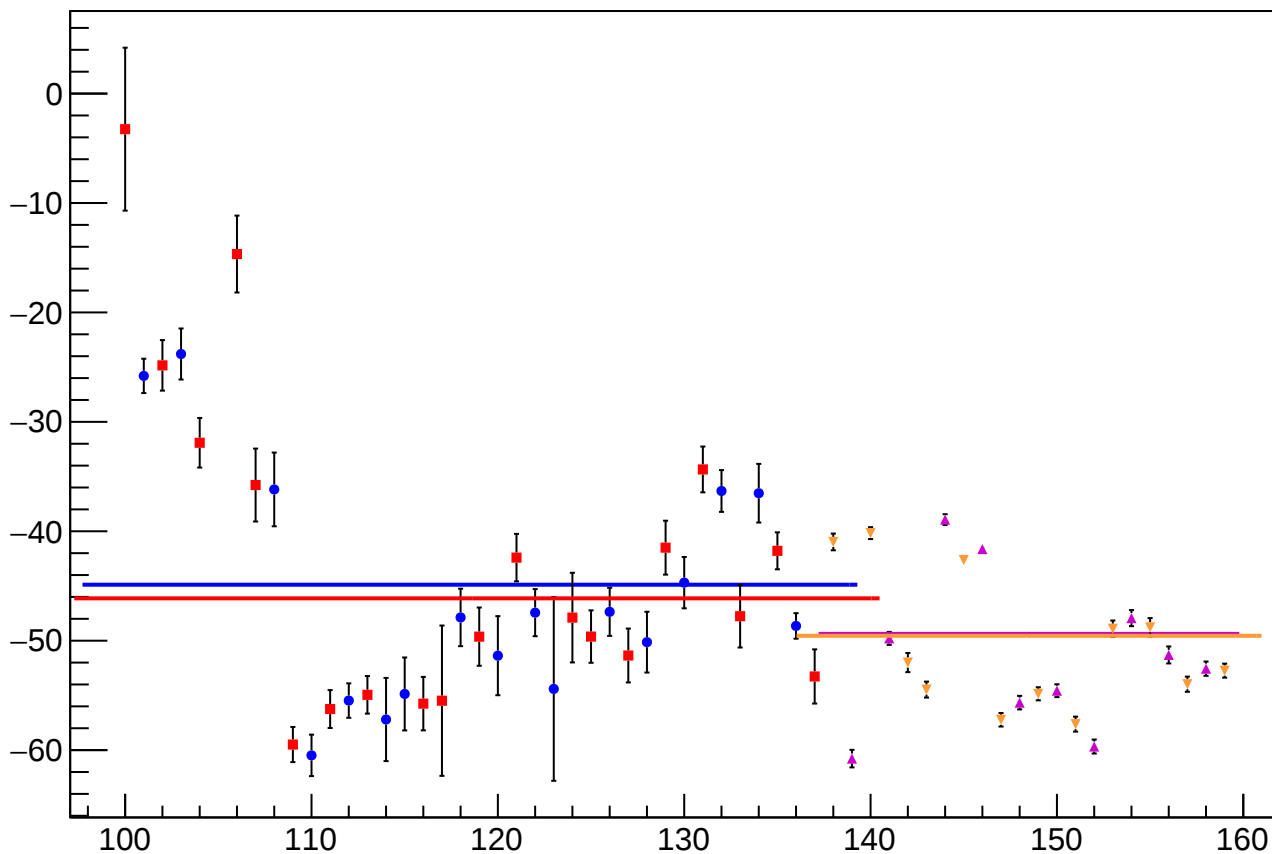
Right Out: -2.266 ± 0.302 χ^2/NDF : 289.8/19

Left In: -0.922 ± 0.131 χ^2/NDF : 314.8/9

-0.307 ± 0.118 χ^2/NDF : 1076.4/28

-1.134 ± 0.120 χ^2/NDF : 621.2/29

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -49.552 ± 0.188 χ^2/NDF : 1141.5/11

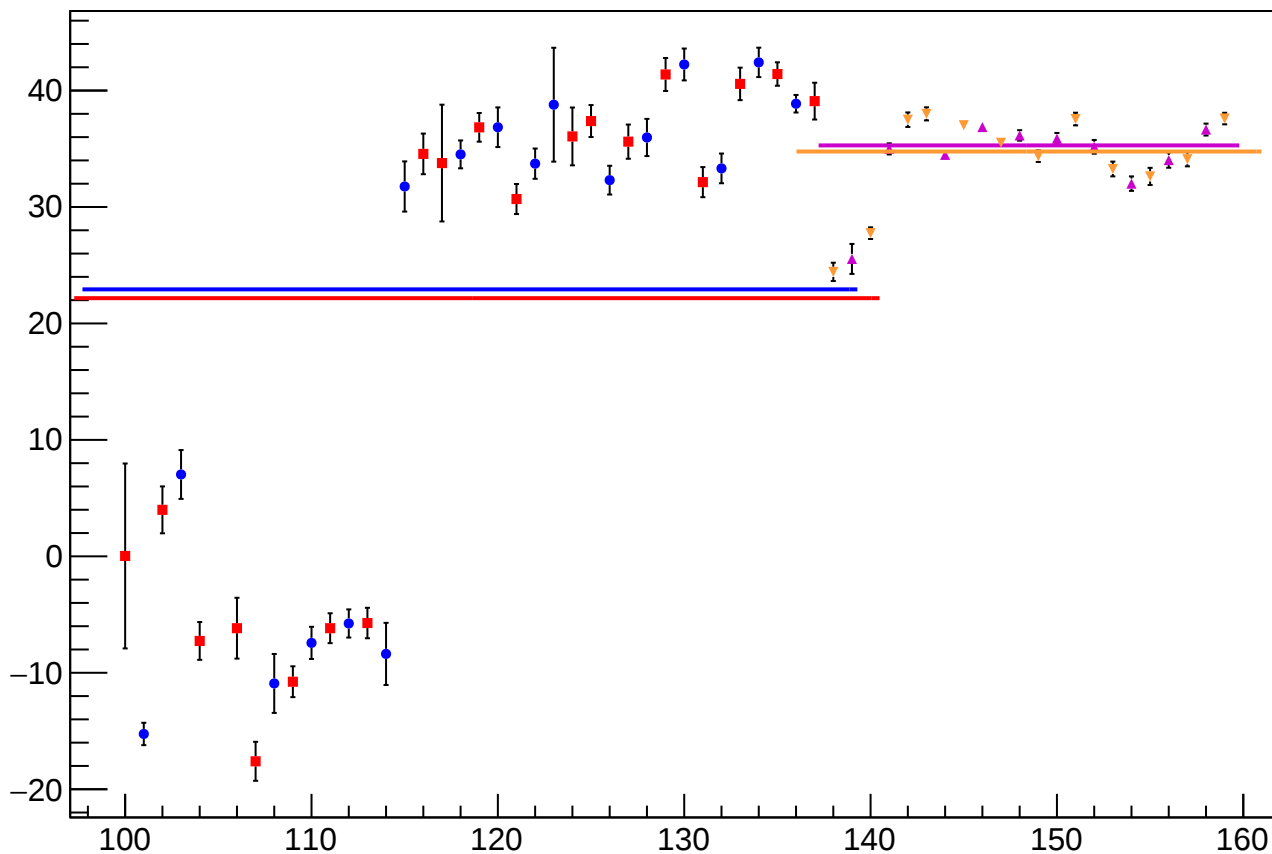
Right Out: -46.130 ± 0.527 χ^2/NDF : 456.1/19

Left In: -49.379 ± 0.191 χ^2/NDF : 1436.2/9

-49.018 ± 0.177 χ^2/NDF : 1632.7/28

-49.003 ± 0.179 χ^2/NDF : 1926.0/29

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.926+/-0.328 χ^2 /NDF: 4330.2/16

Left Out: 34.763+/-0.156 χ^2 /NDF: 528.7/11

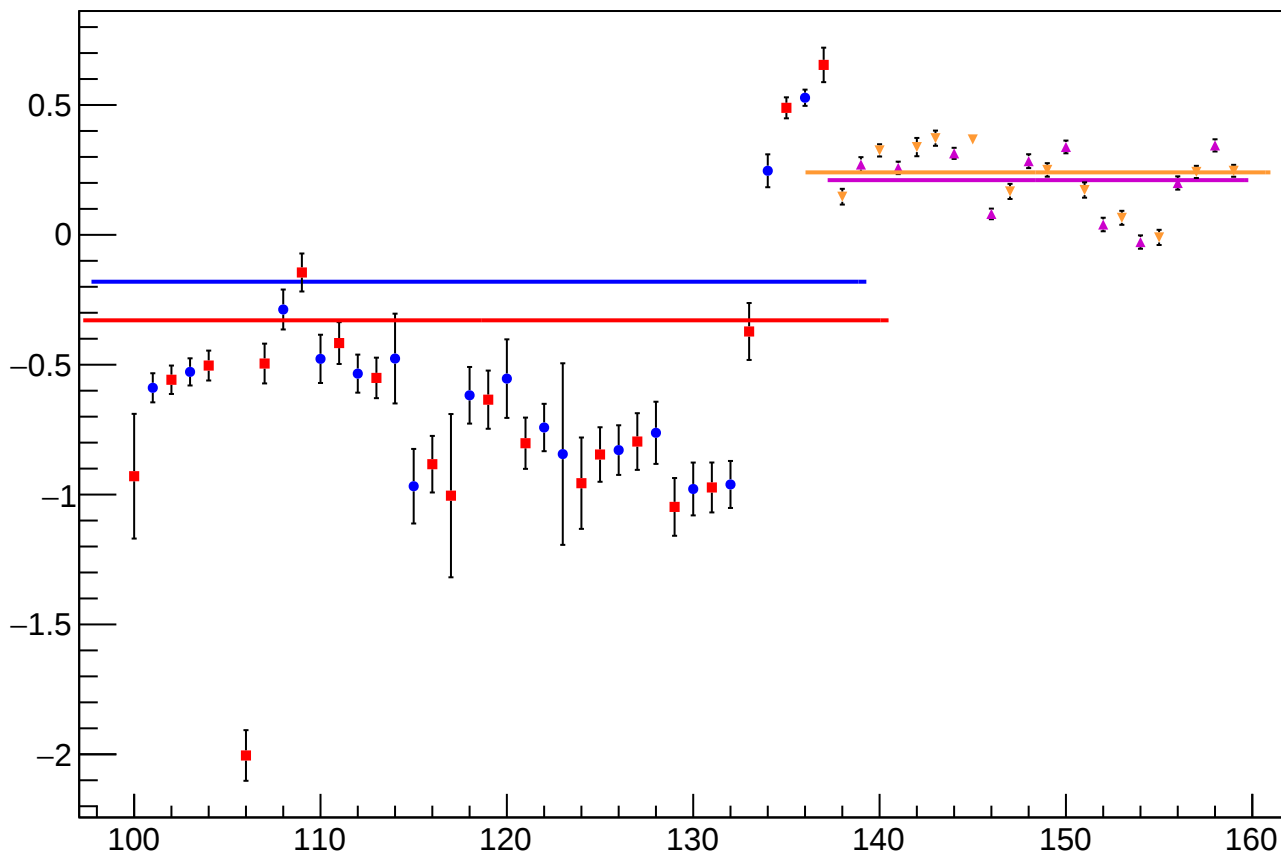
Right Out: 22.170+/-0.339 χ^2 /NDF: 4038.8/19

Left In: 35.289+/-0.158 χ^2 /NDF: 125.2/9

32.582+/-0.141 χ^2 /NDF: 5920.9/28

32.952+/-0.143 χ^2 /NDF: 5393.5/29

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.241 ± 0.007 χ^2/NDF : 226.7/11

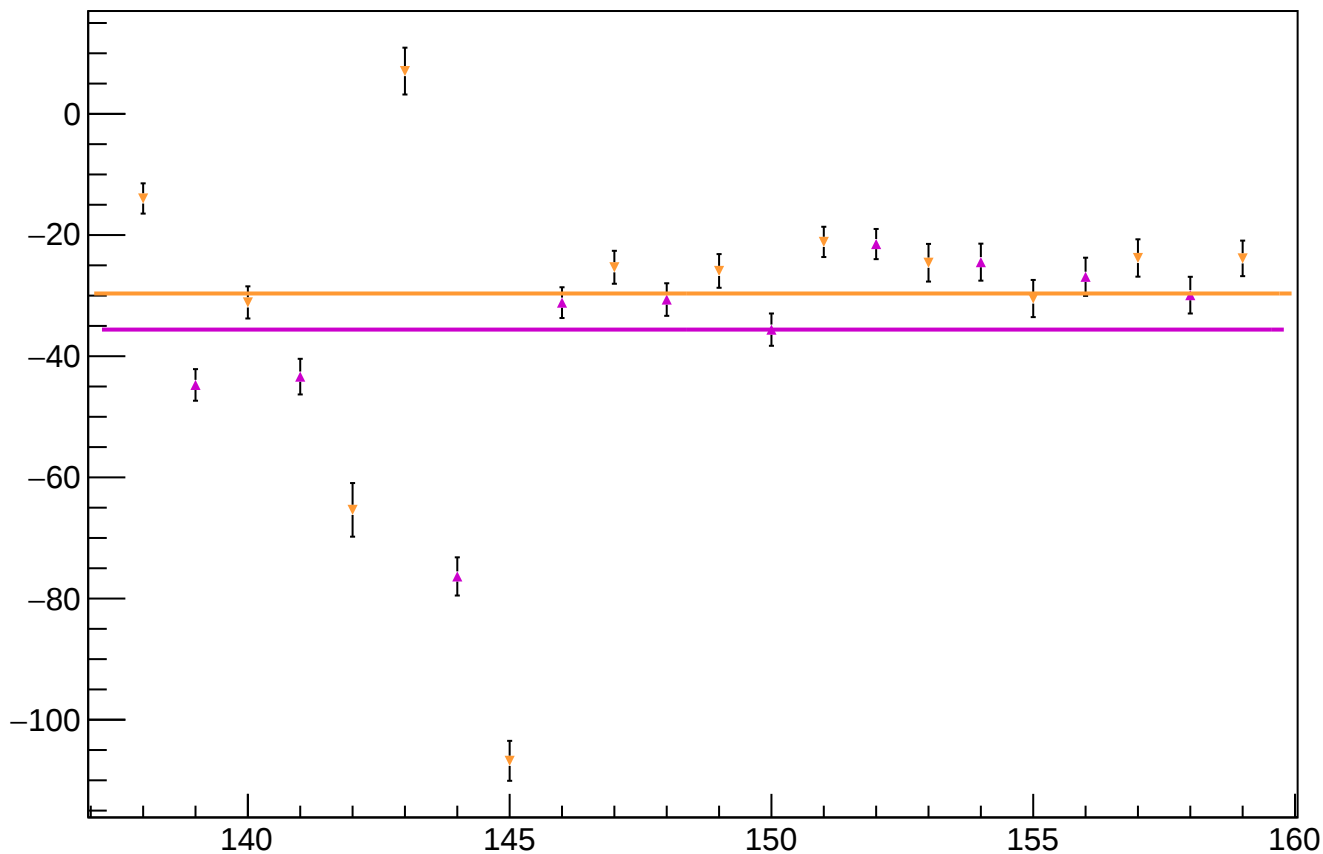
Right Out: -0.329 ± 0.018 χ^2/NDF : 1180.2/19

Left In: 0.211 ± 0.008 χ^2/NDF : 268.1/9

0.177 ± 0.007 χ^2/NDF : 1699.6/28

0.129 ± 0.007 χ^2/NDF : 2196.9/29

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -29.648 $\pm$ 0.855 χ^2 /NDF: 768.8/11

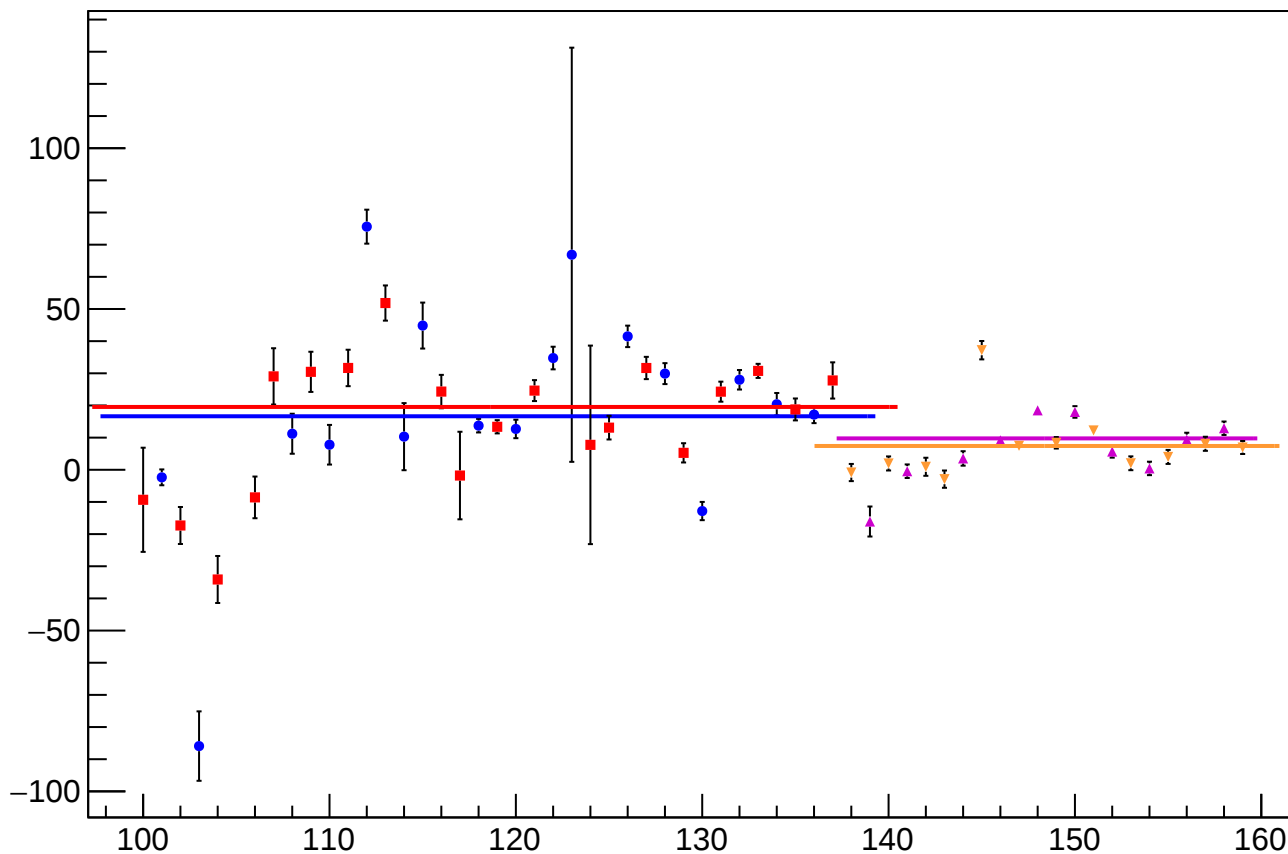
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -35.605 $\pm$ 0.885 χ^2 /NDF: 249.3/9

-29.648 $\pm$ 0.855 χ^2 /NDF: 768.8/11

-35.605 $\pm$ 0.885 χ^2 /NDF: 249.3/9

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 ± 0.859 $\chi^2/\text{NDF}: 518.9/16$

Left Out: 7.404 ± 0.575 $\chi^2/\text{NDF}: 165.2/11$

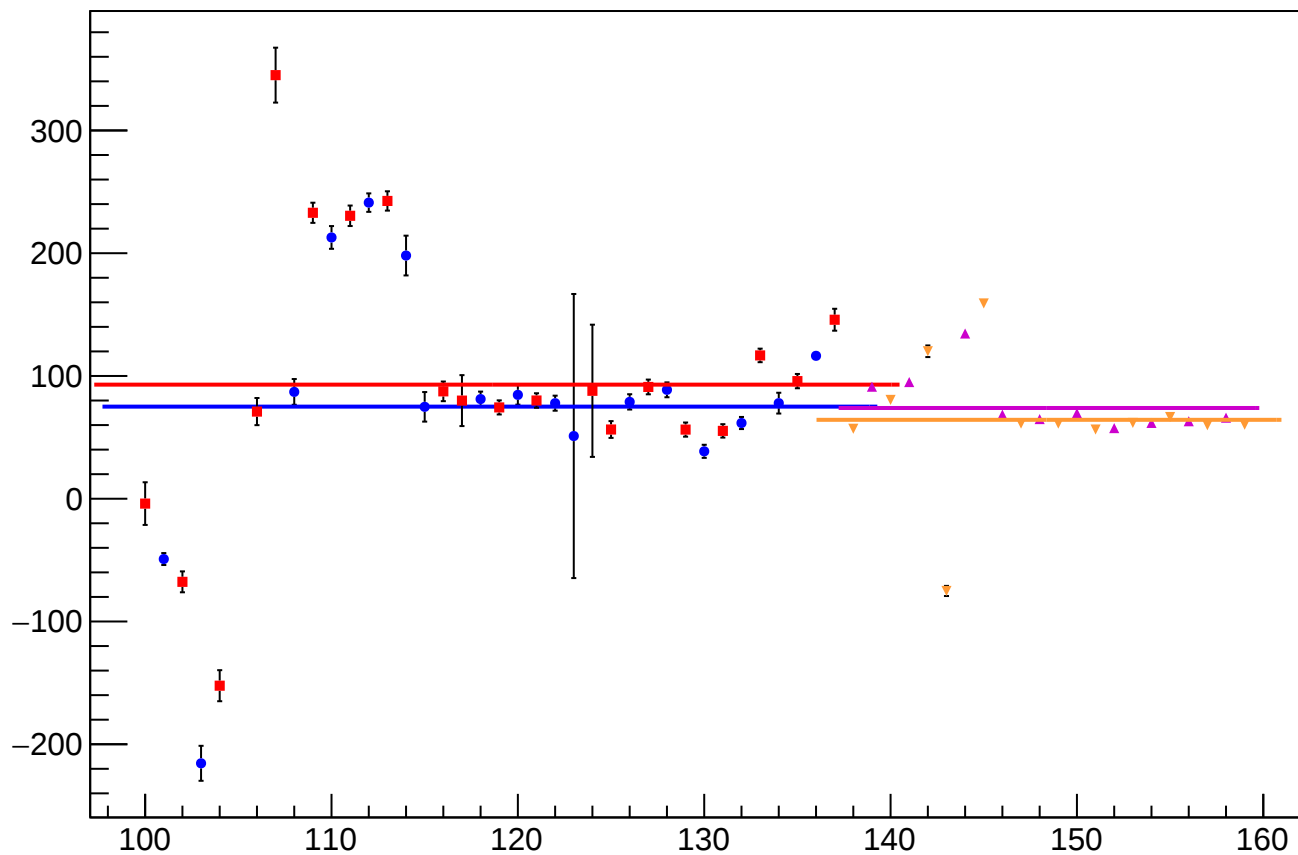
Right Out: 19.540 ± 0.894 $\chi^2/\text{NDF}: 244.1/19$

Left In: 9.761 ± 0.601 $\chi^2/\text{NDF}: 154.3/9$

10.260 ± 0.478 $\chi^2/\text{NDF}: 764.0/28$

12.804 ± 0.499 $\chi^2/\text{NDF}: 480.7/29$

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 64.280 $\pm$ 0.836 χ^2 /NDF: 2107.6/11

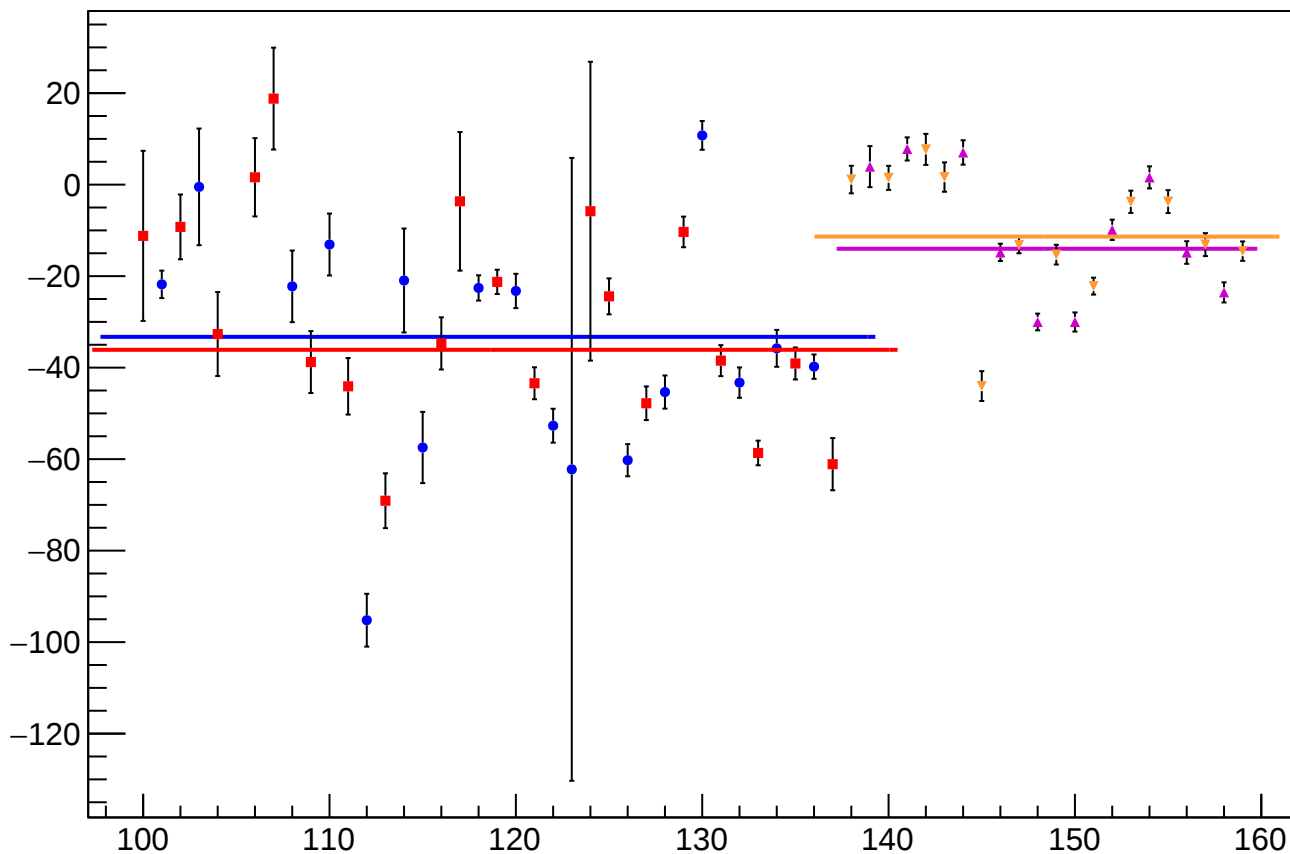
Right Out: 92.940 $\pm$ 1.706 χ^2 /NDF: 2004.0/19

Left In: 73.920 $\pm$ 0.861 χ^2 /NDF: 514.9/9

66.486 $\pm$ 0.746 χ^2 /NDF: 4141.2/28

77.785 $\pm$ 0.769 χ^2 /NDF: 2618.0/29

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 $\chi^2/\text{NDF}: 489.4/16$

Left Out: -11.365 ± 0.695 $\chi^2/\text{NDF}: 250.3/11$

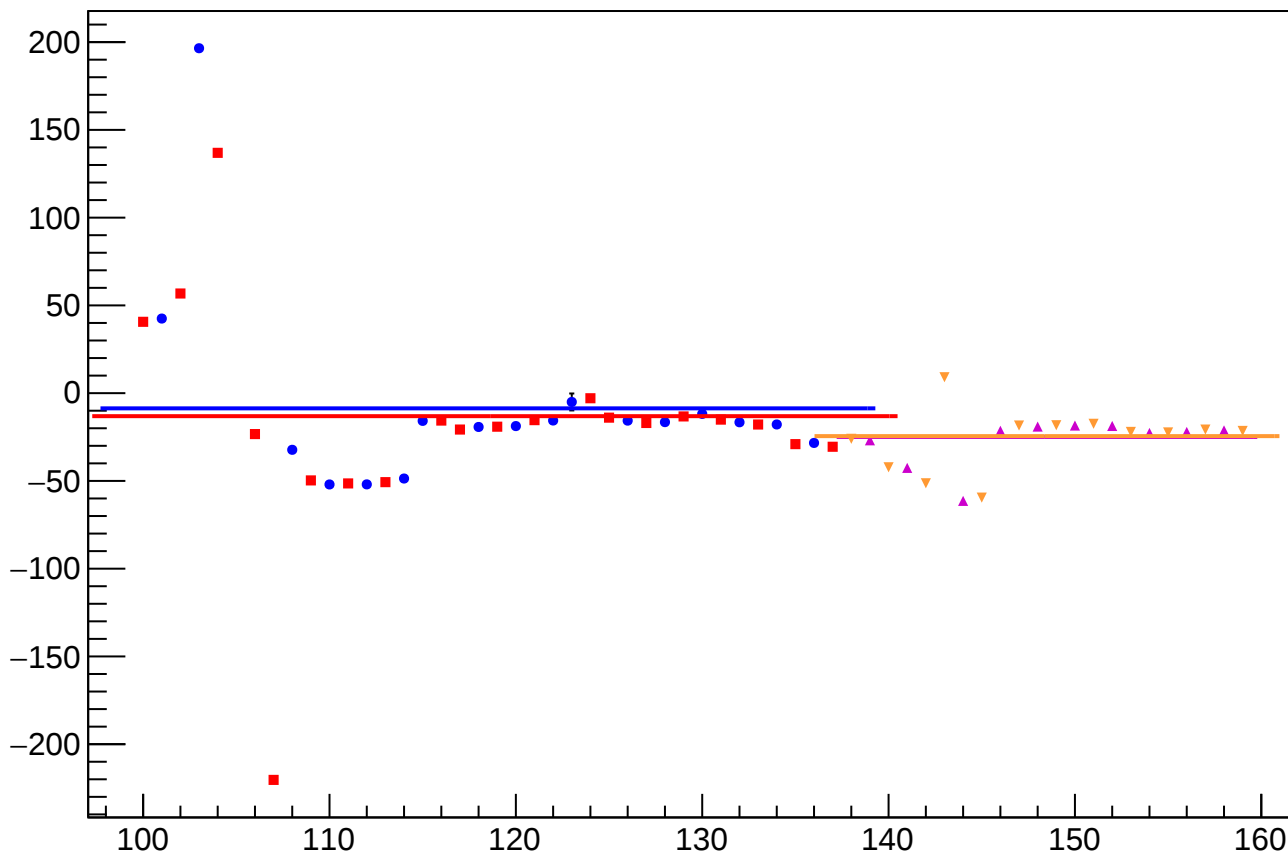
Right Out: -36.103 ± 1.022 $\chi^2/\text{NDF}: 302.3/19$

Left In: -14.014 ± 0.726 $\chi^2/\text{NDF}: 352.3/9$

-18.682 ± 0.568 $\chi^2/\text{NDF}: 1071.1/28$

-21.432 ± 0.592 $\chi^2/\text{NDF}: 965.0/29$

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -24.483 ± 0.033 $\chi^2/\text{NDF}: 163190.3/11$

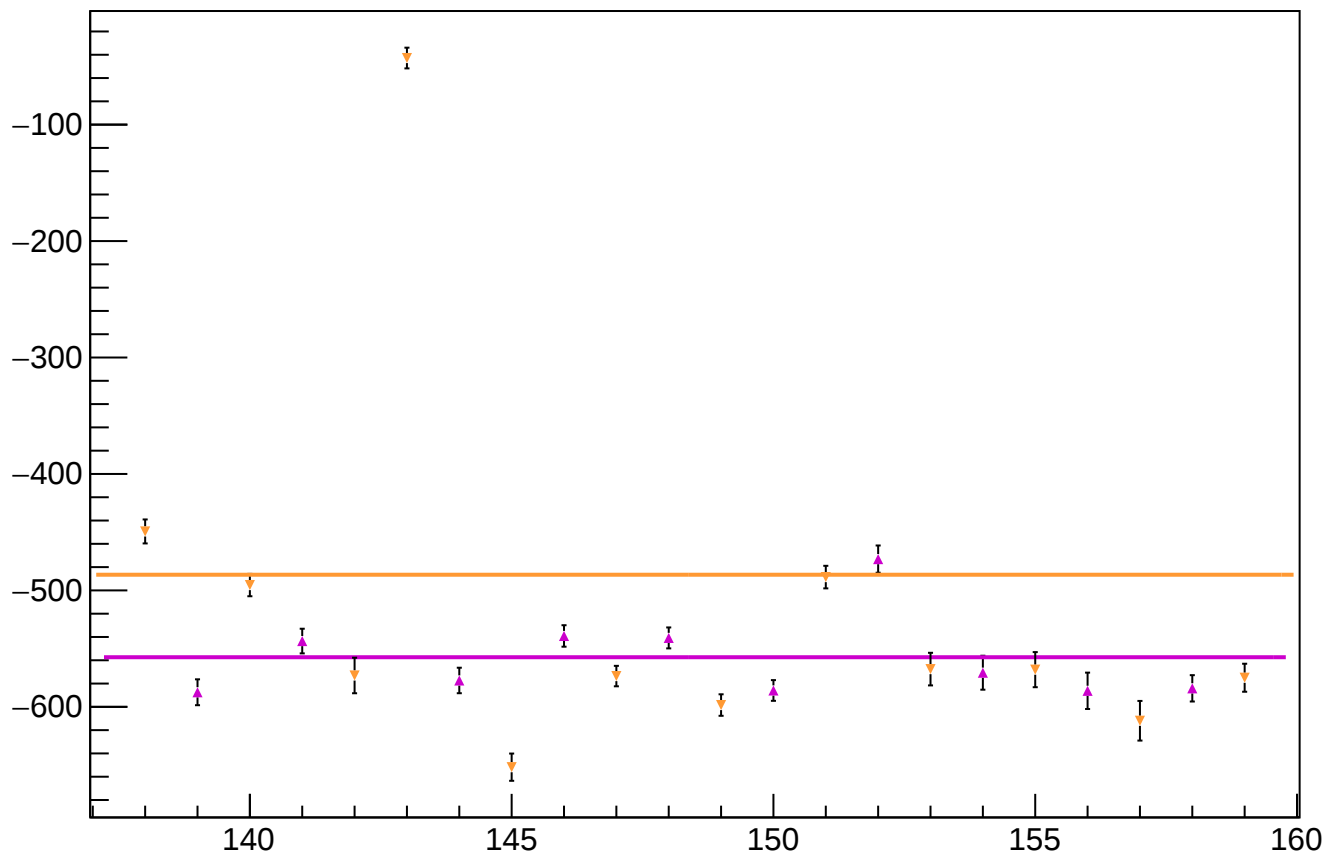
Right Out: -13.109 ± 0.062 $\chi^2/\text{NDF}: 558383.6/19$

Left In: -24.968 ± 0.034 $\chi^2/\text{NDF}: 95514.4/9$

-20.754 ± 0.029 $\chi^2/\text{NDF}: 793775.8/28$

-22.247 ± 0.030 $\chi^2/\text{NDF}: 682366.2/29$

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

Left Out: -486.538+/-3.167 χ^2/NDF : 3148.0/11

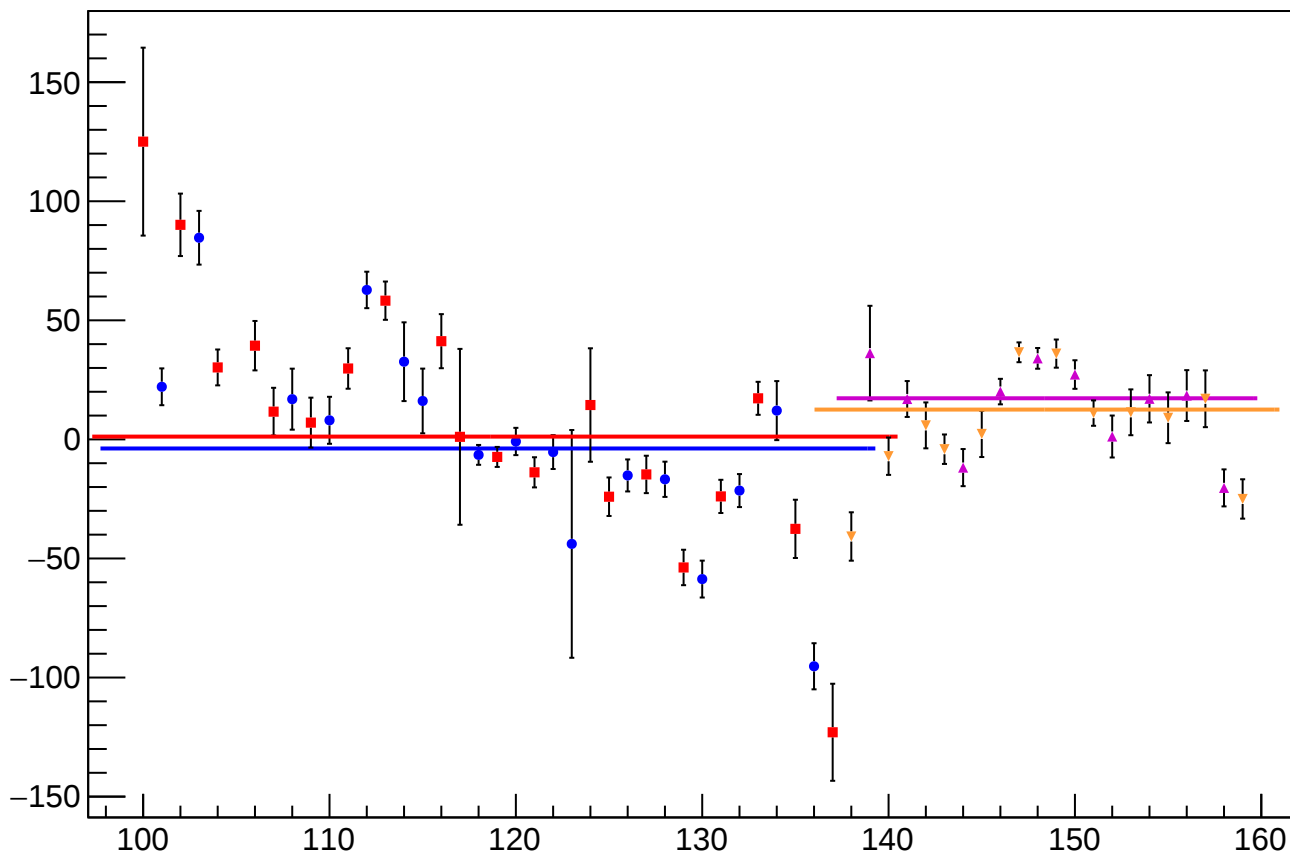
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -557.388+/-3.408 χ^2/NDF : 91.8/9

-486.538+/-3.167 χ^2/NDF : 3148.0/11

-557.388+/-3.408 χ^2/NDF : 91.8/9

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 12.523 ± 2.058 χ^2/NDF : 112.7/11

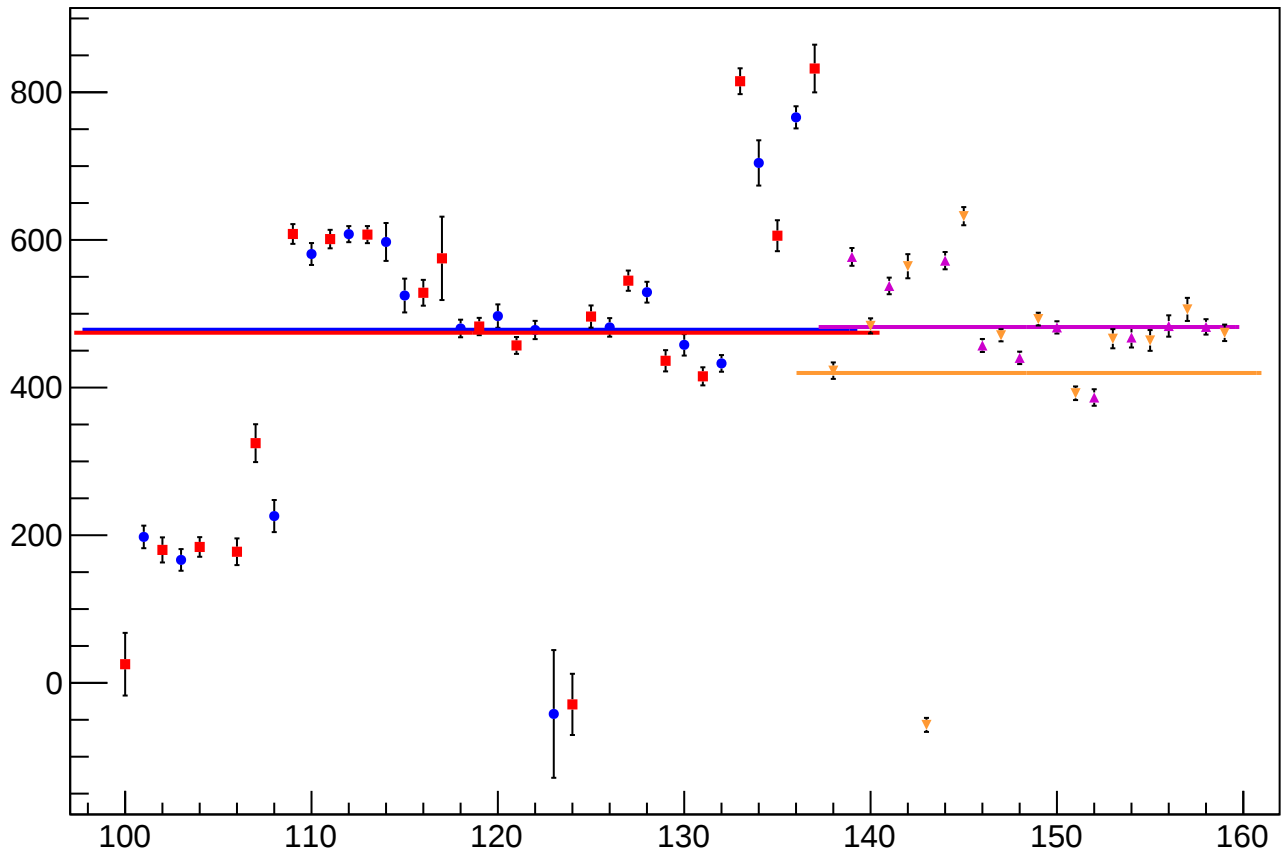
Right Out: 1.175 ± 1.911 χ^2/NDF : 303.9/19

Left In: 17.267 ± 2.234 χ^2/NDF : 59.5/9

3.801 ± 1.405 χ^2/NDF : 460.7/28

7.976 ± 1.452 χ^2/NDF : 393.3/29

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334+/-3.662 χ^2/NDF : 1628.8/16

Left Out: 419.787+/-3.129 χ^2/NDF : 3129.1/11

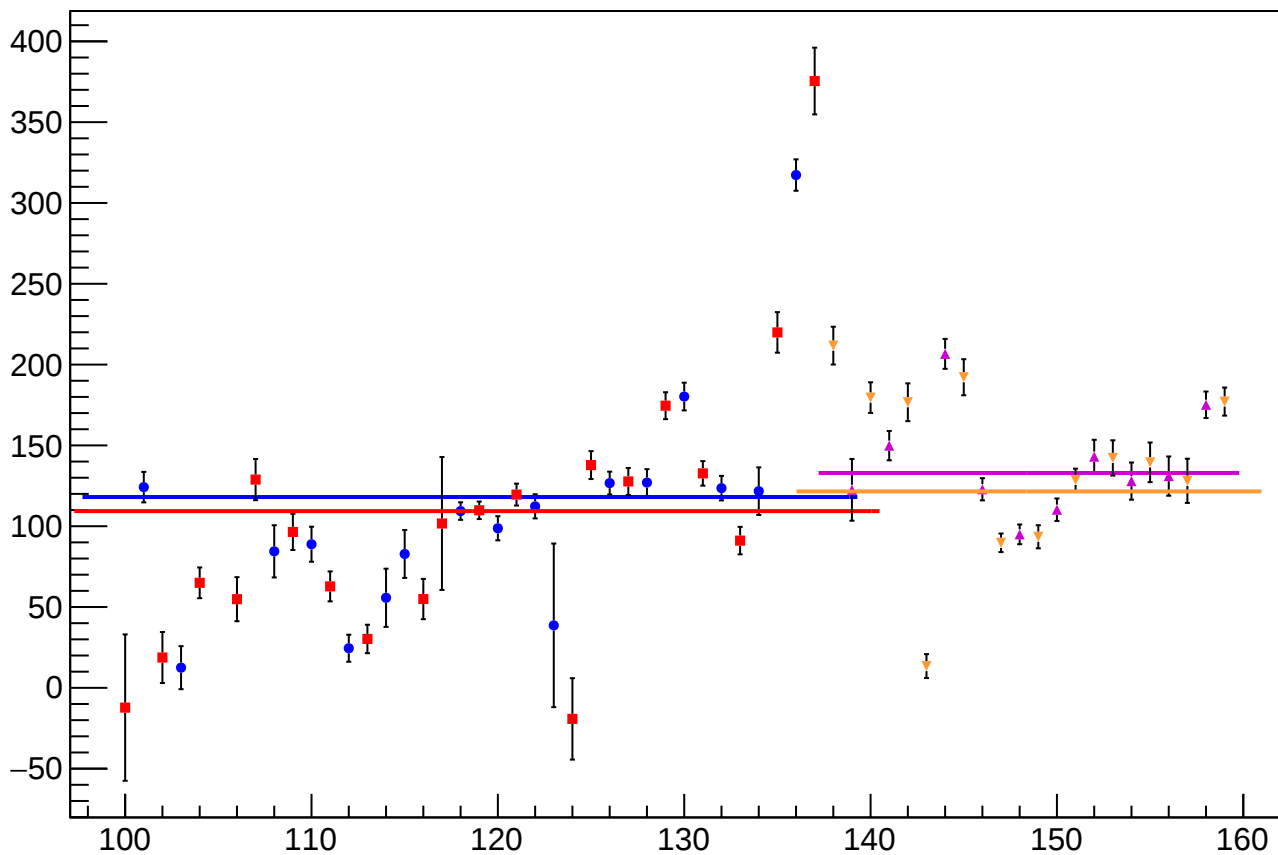
Right Out: 474.296+/-3.524 χ^2/NDF : 2288.2/19

Left In: 482.039+/-3.317 χ^2/NDF : 252.0/9

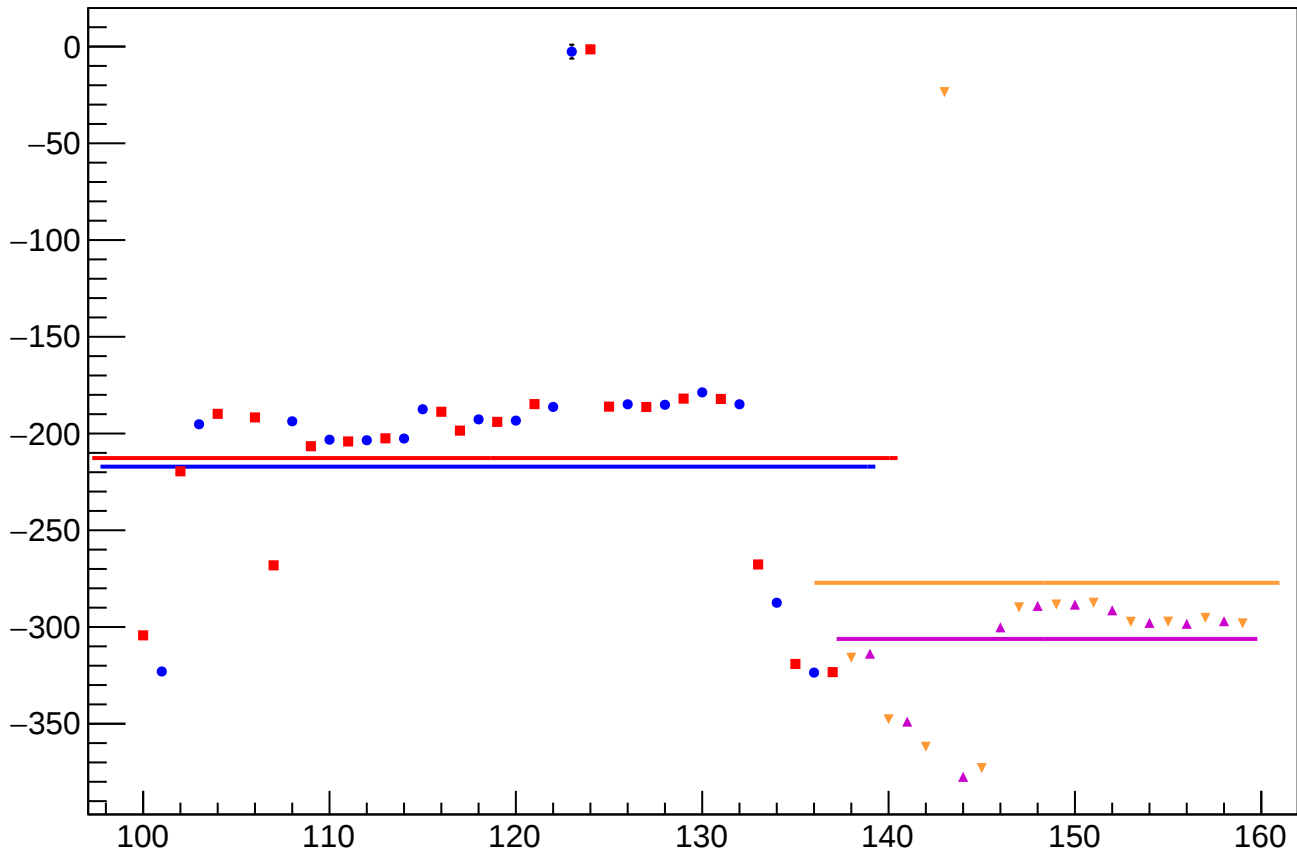
444.491+/-2.379 χ^2/NDF : 4905.7/28

478.401+/-2.415 χ^2/NDF : 2542.7/29

reg_asym_atl2_diff_bpm4eY_slope vs Slug



reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -277.158 ± 0.127 $\chi^2/\text{NDF}: 543359.2/11$

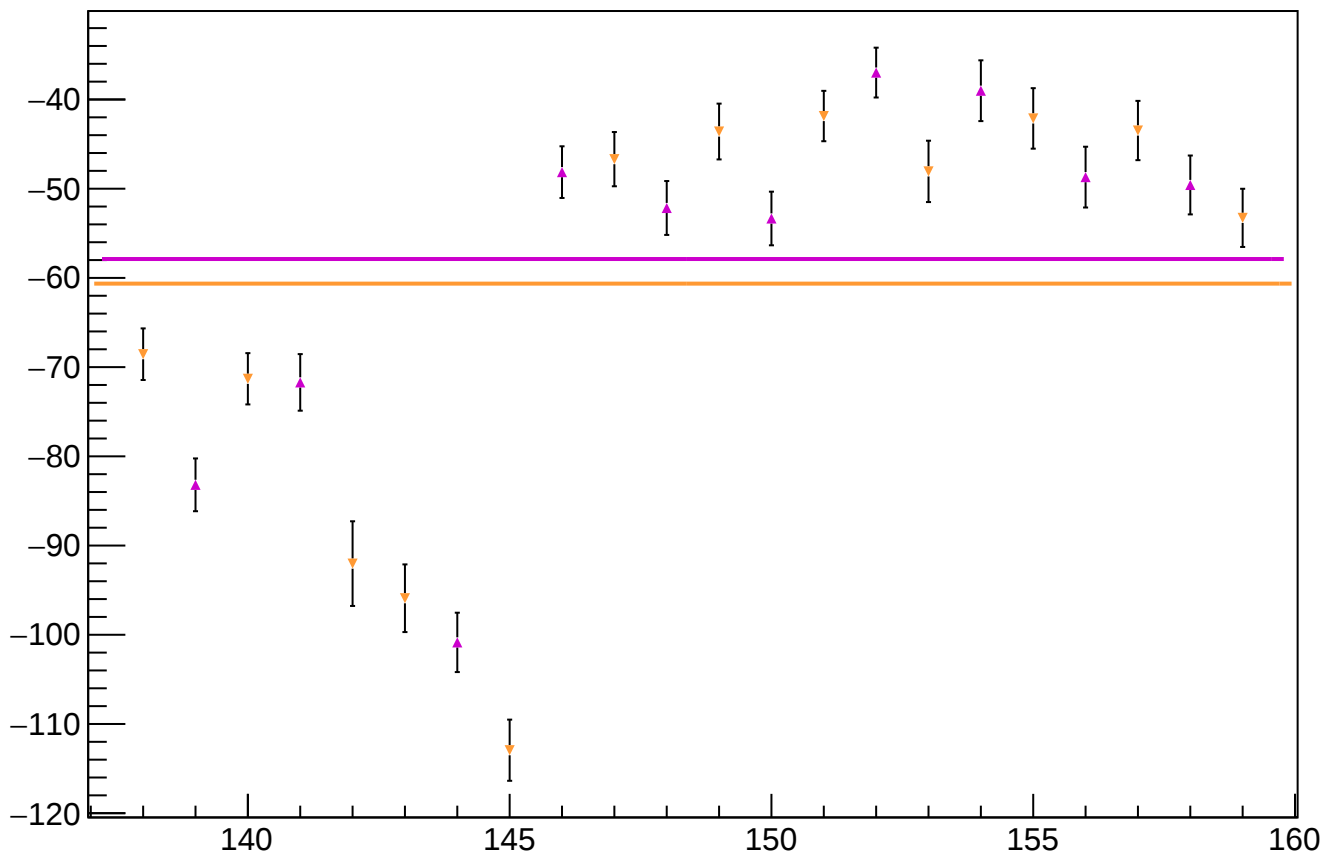
Right Out: -212.679 ± 0.130 $\chi^2/\text{NDF}: 115596.4/19$

Left In: -306.162 ± 0.133 $\chi^2/\text{NDF}: 35711.5/9$

-249.377 ± 0.093 $\chi^2/\text{NDF}: 793745.7/28$

-258.480 ± 0.093 $\chi^2/\text{NDF}: 404610.5/29$

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -60.640+/-0.940 χ^2/NDF : 554.2/11

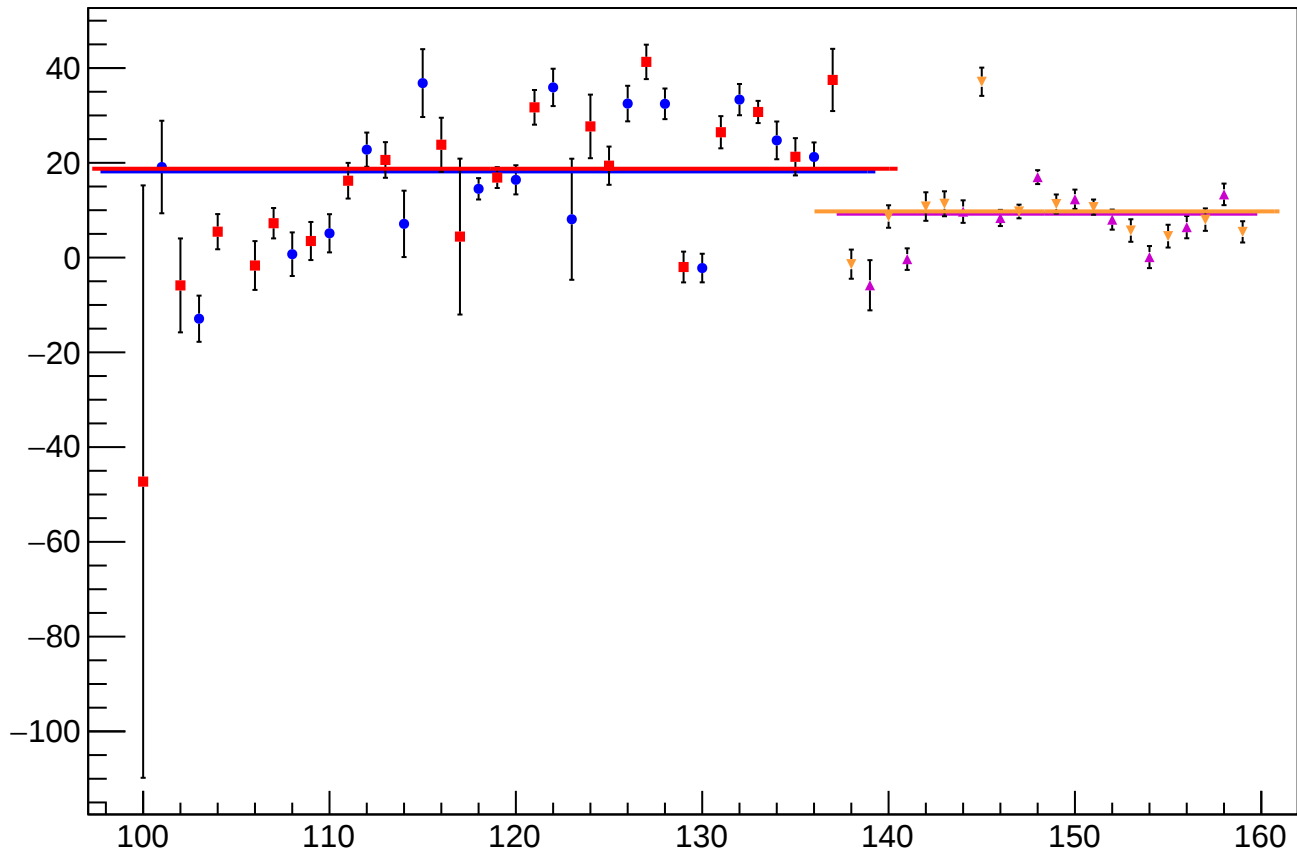
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -57.882+/-0.983 χ^2/NDF : 376.5/9

-60.640+/-0.940 χ^2/NDF : 554.2/11

-57.882+/-0.983 χ^2/NDF : 376.5/9

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 $\pm$ 0.917 χ^2 /NDF: 204.9/16

Left Out: 9.748 $\pm$ 0.633 χ^2 /NDF: 110.8/11

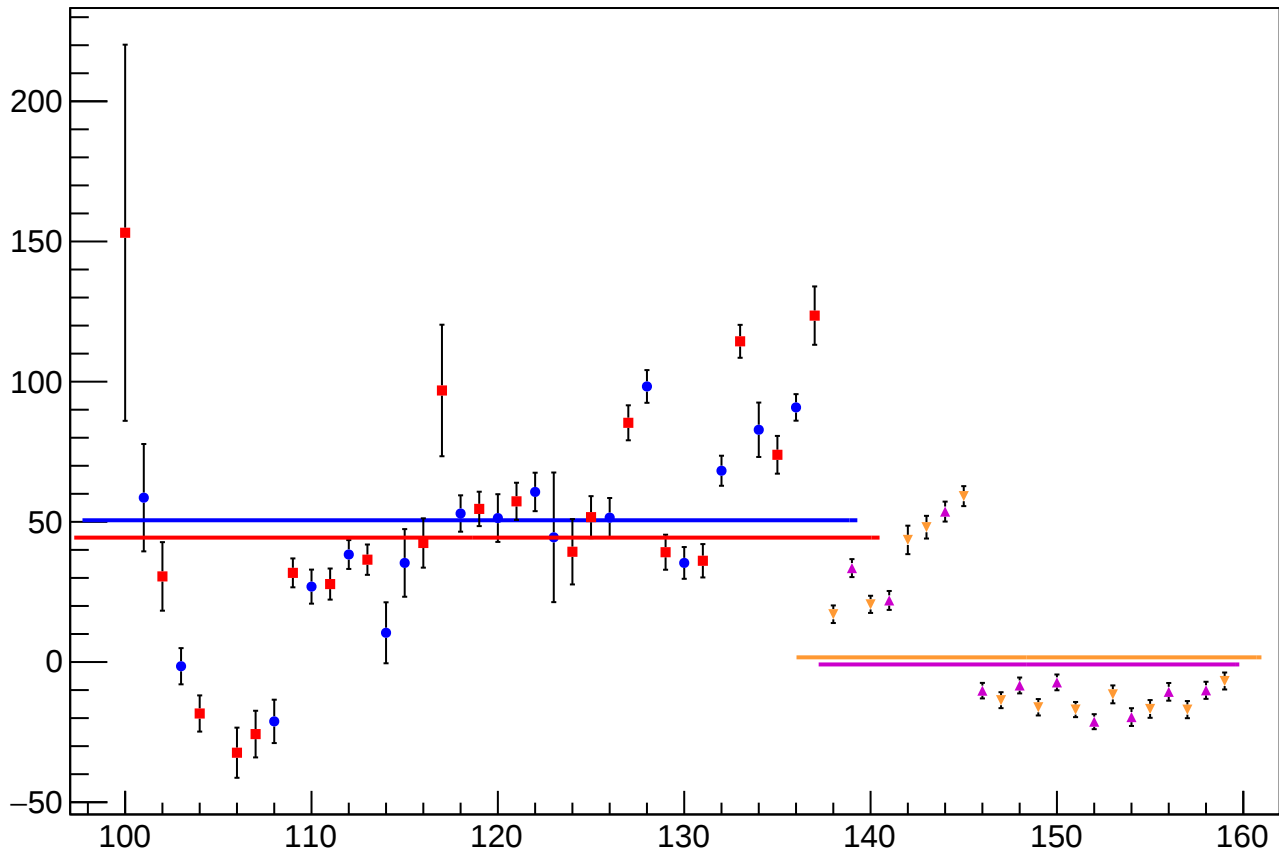
Right Out: 18.752 $\pm$ 0.862 χ^2 /NDF: 199.5/19

Left In: 9.262 $\pm$ 0.669 χ^2 /NDF: 76.5/9

12.473 $\pm$ 0.521 χ^2 /NDF: 373.0/28

12.832 $\pm$ 0.528 χ^2 /NDF: 351.7/29

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 $\pm$ 1.678 χ^2 /NDF: 357.9/16

Left Out: 1.672 $\pm$ 0.921 χ^2 /NDF: 731.8/11

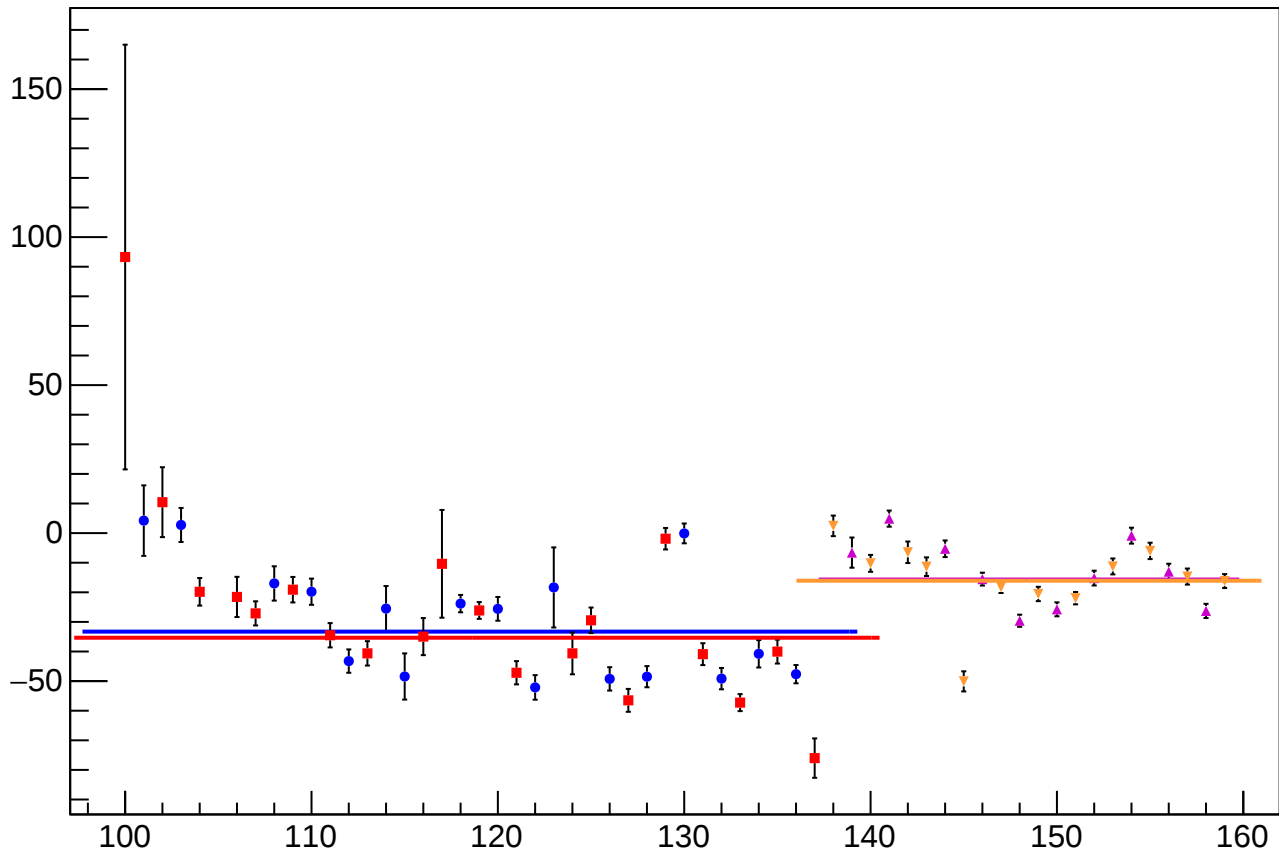
Right Out: 44.377 $\pm$ 1.599 χ^2 /NDF: 537.6/19

Left In: -0.862 $\pm$ 0.956 χ^2 /NDF: 531.2/9

12.996 $\pm$ 0.807 χ^2 /NDF: 1742.4/28

11.062 $\pm$ 0.821 χ^2 /NDF: 1658.4/29

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.081 ± 0.766 χ^2/NDF : 171.5/11

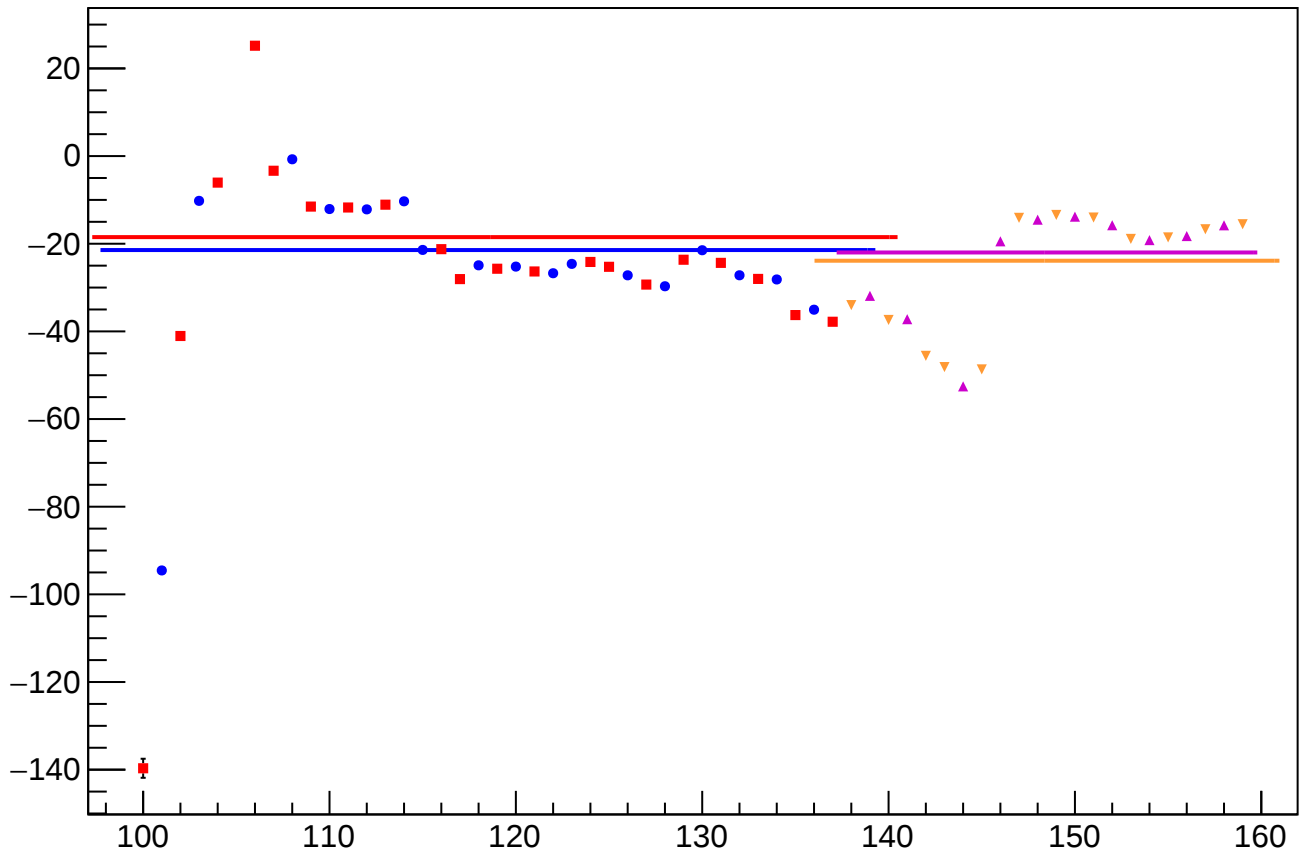
Right Out: -35.343 ± 0.990 χ^2/NDF : 291.6/19

Left In: -15.682 ± 0.806 χ^2/NDF : 188.8/9

-22.101 ± 0.617 χ^2/NDF : 638.2/28

-23.525 ± 0.625 χ^2/NDF : 717.6/29

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442+/-0.059 χ^2/NDF : 48968.5/16

Left Out: -23.875+/-0.036 χ^2/NDF : 116399.1/11

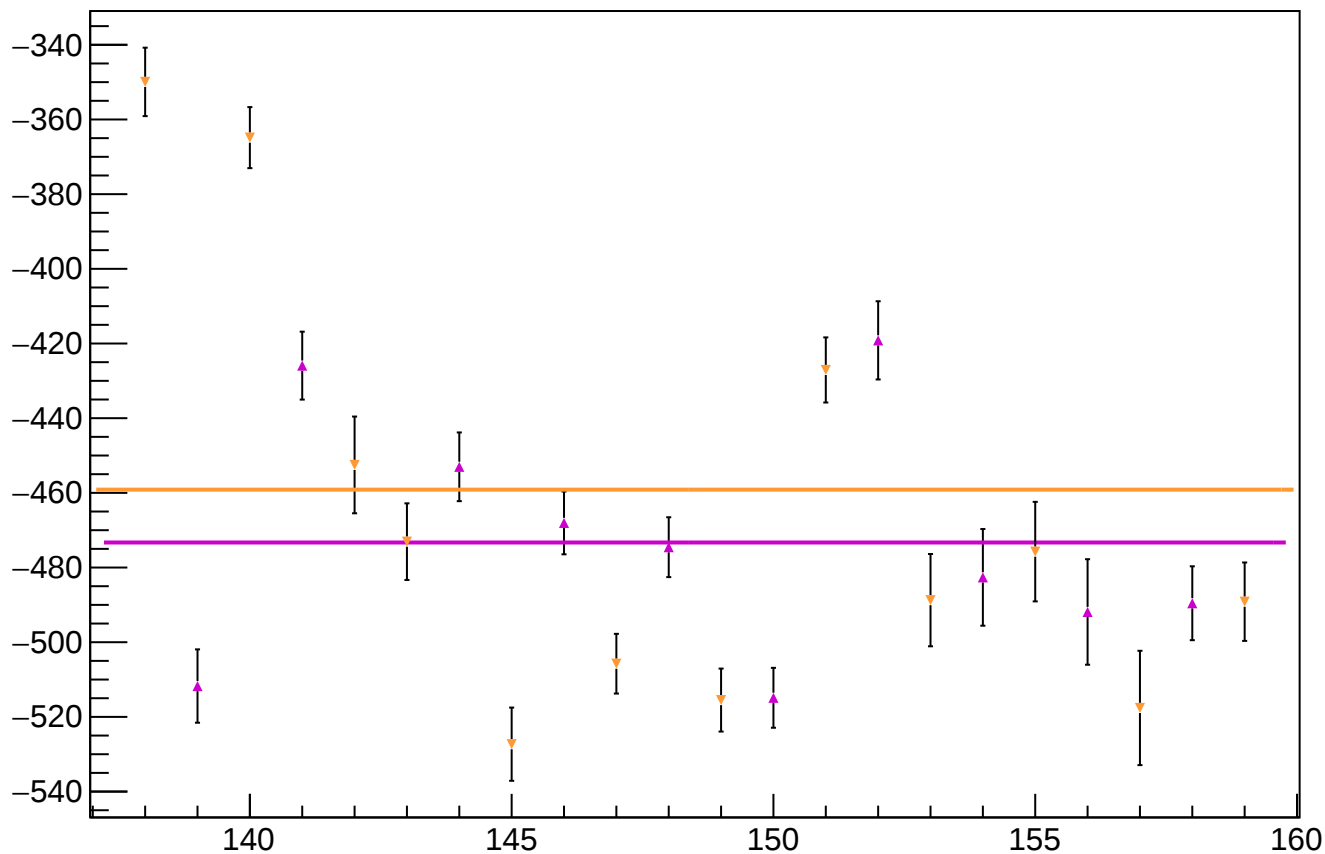
Right Out: -18.490+/-0.057 χ^2/NDF : 80549.5/19

Left In: -21.994+/-0.037 χ^2/NDF : 76229.4/9

-23.212+/-0.031 χ^2/NDF : 166608.3/28

-20.949+/-0.031 χ^2/NDF : 159401.7/29

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -459.136+/-2.874 χ^2/NDF : 447.6/11

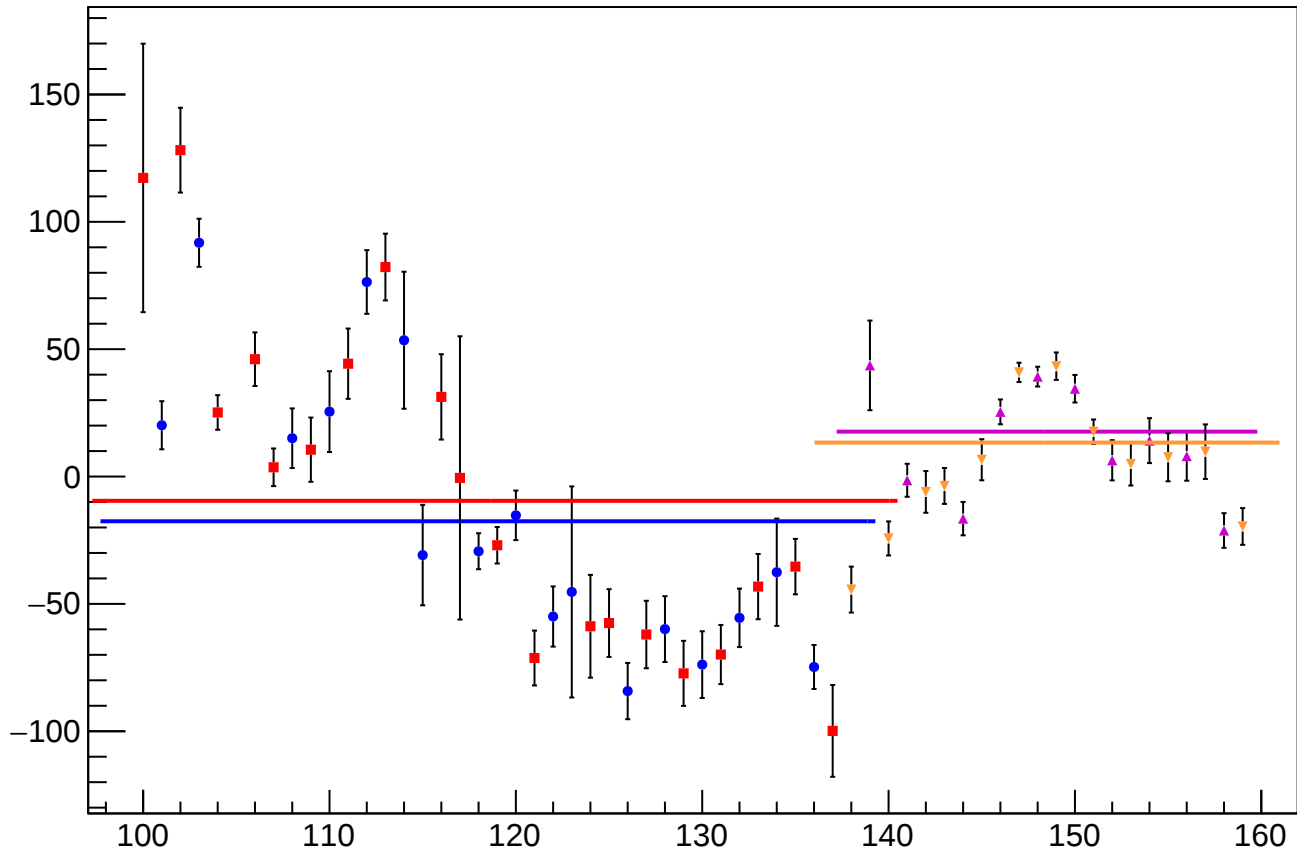
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -473.292+/-3.018 χ^2/NDF : 106.3/9

-459.136+/-2.874 χ^2/NDF : 447.6/11

-473.292+/-3.018 χ^2/NDF : 106.3/9

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 13.337 ± 1.872 χ^2/NDF : 191.8/11

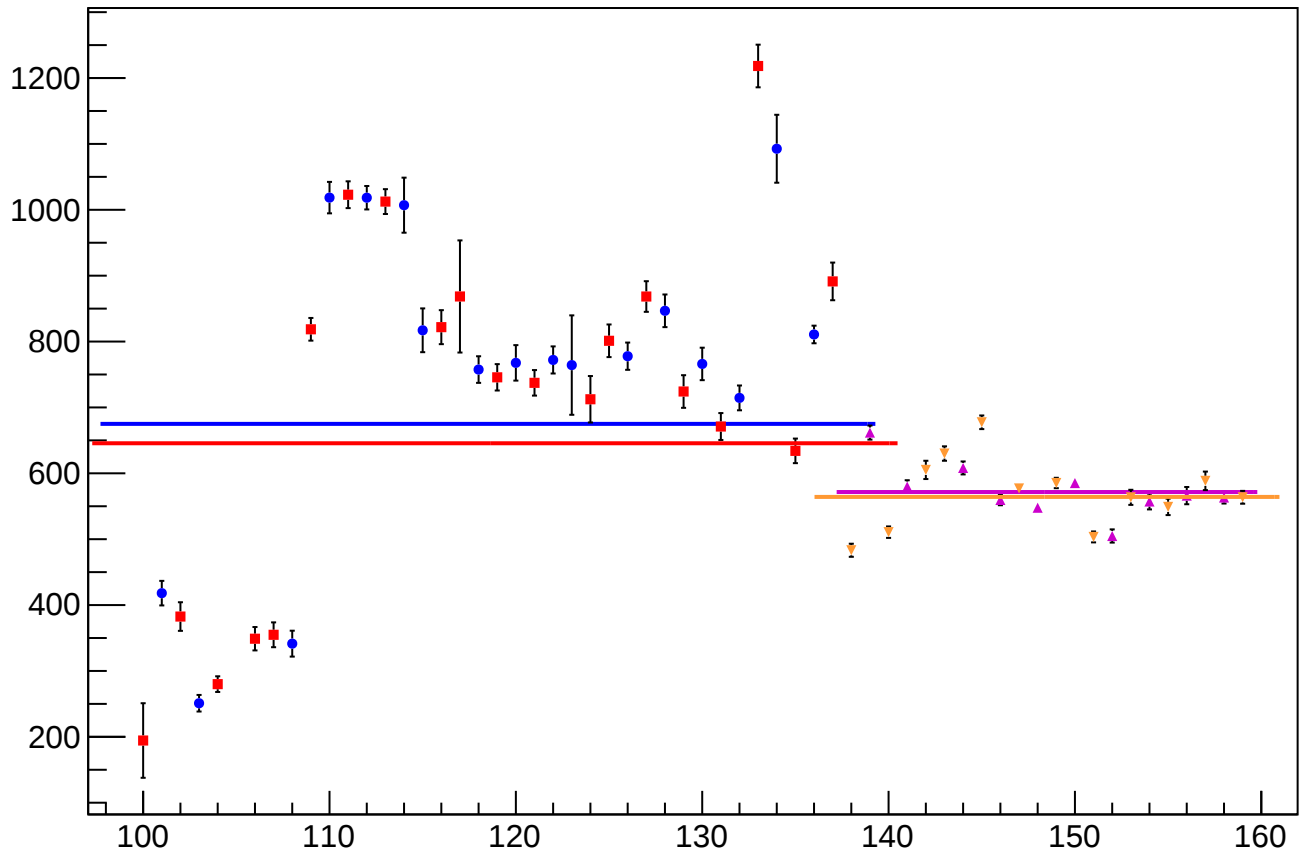
Right Out: -9.527 ± 2.606 χ^2/NDF : 370.3/19

Left In: 17.629 ± 1.984 χ^2/NDF : 117.0/9

3.887 ± 1.560 χ^2/NDF : 638.8/28

7.665 ± 1.578 χ^2/NDF : 556.0/29

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 564.167 $\pm$ 2.835 χ^2 /NDF:337.1/11

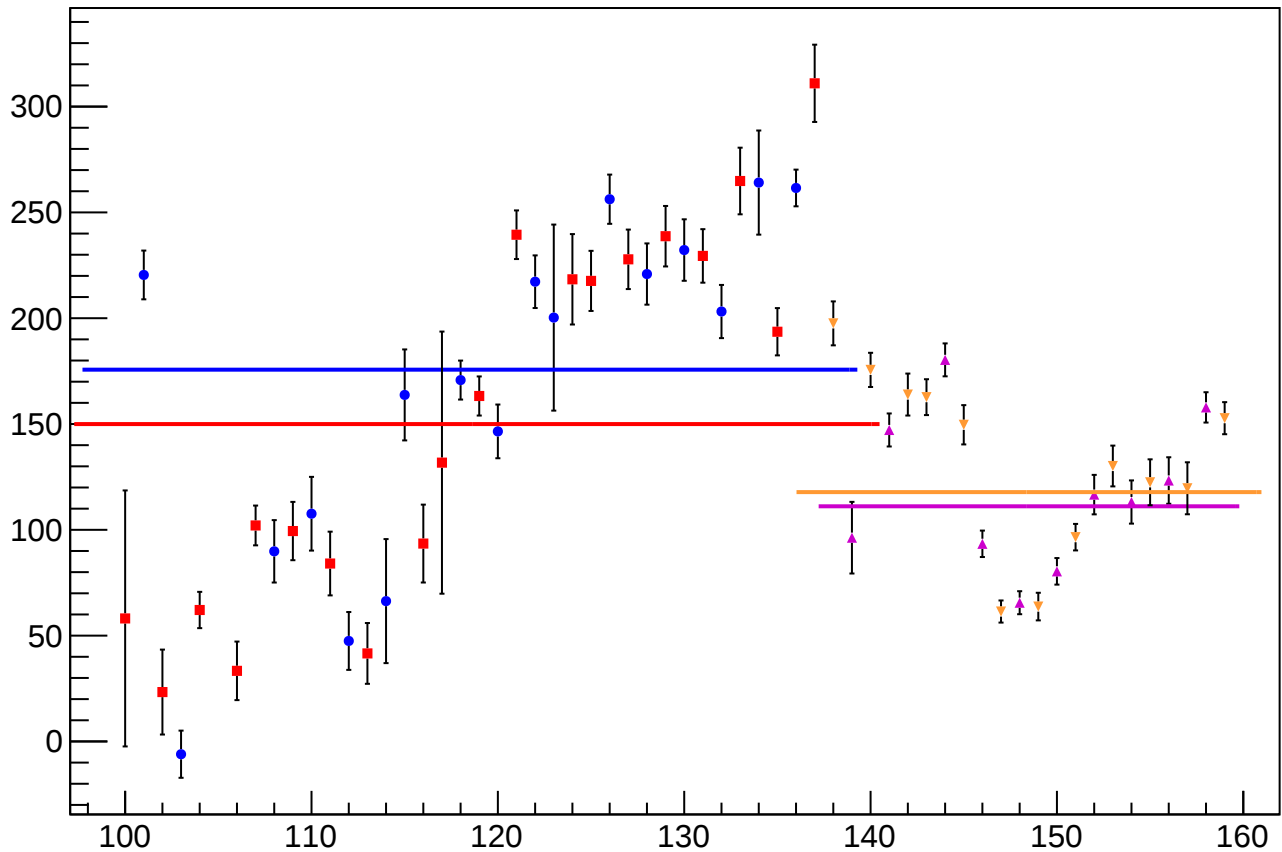
Right Out: 645.613 $\pm$ 4.754 χ^2 /NDF: 3129.0/19

Left In: 571.598 $\pm$ 2.943 χ^2 /NDF:148.6/9

590.603 $\pm$ 2.474 χ^2 /NDF: 3286.1/28

592.105 $\pm$ 2.502 χ^2 /NDF: 3452.9/29

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 $\pm$ 3.239 χ^2 /NDF: 637.9/16

Left Out: 117.824 $\pm$ 2.299 χ^2 /NDF: 391.5/11

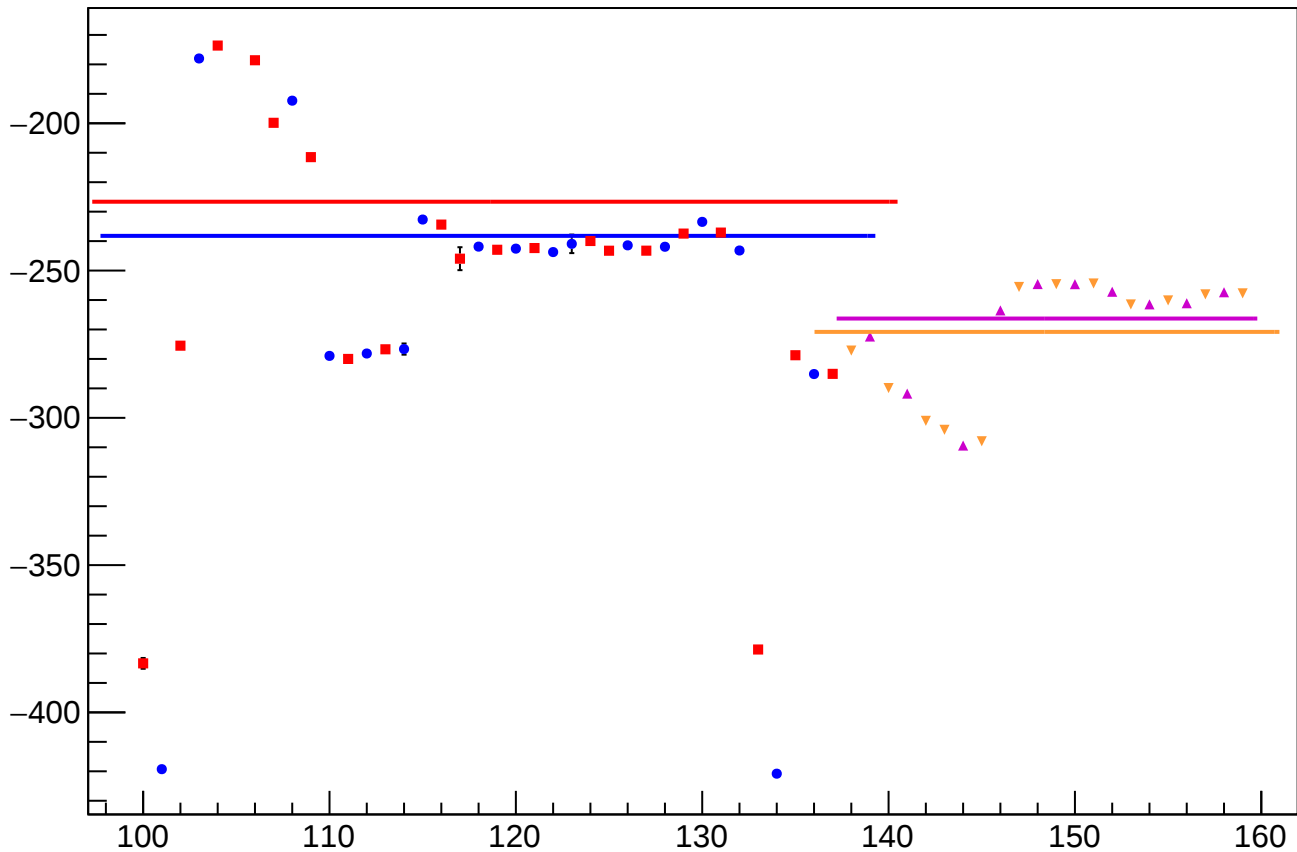
Right Out: 149.973 $\pm$ 3.038 χ^2 /NDF: 693.8/19

Left In: 111.118 $\pm$ 2.424 χ^2 /NDF: 247.8/9

137.211 $\pm$ 1.875 χ^2 /NDF: 1241.6/28

126.232 $\pm$ 1.895 χ^2 /NDF: 1041.5/29

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217+/-0.160 χ^2/NDF : 167120.0/16

Left Out: -270.818+/-0.115 χ^2/NDF : 29131.2/11

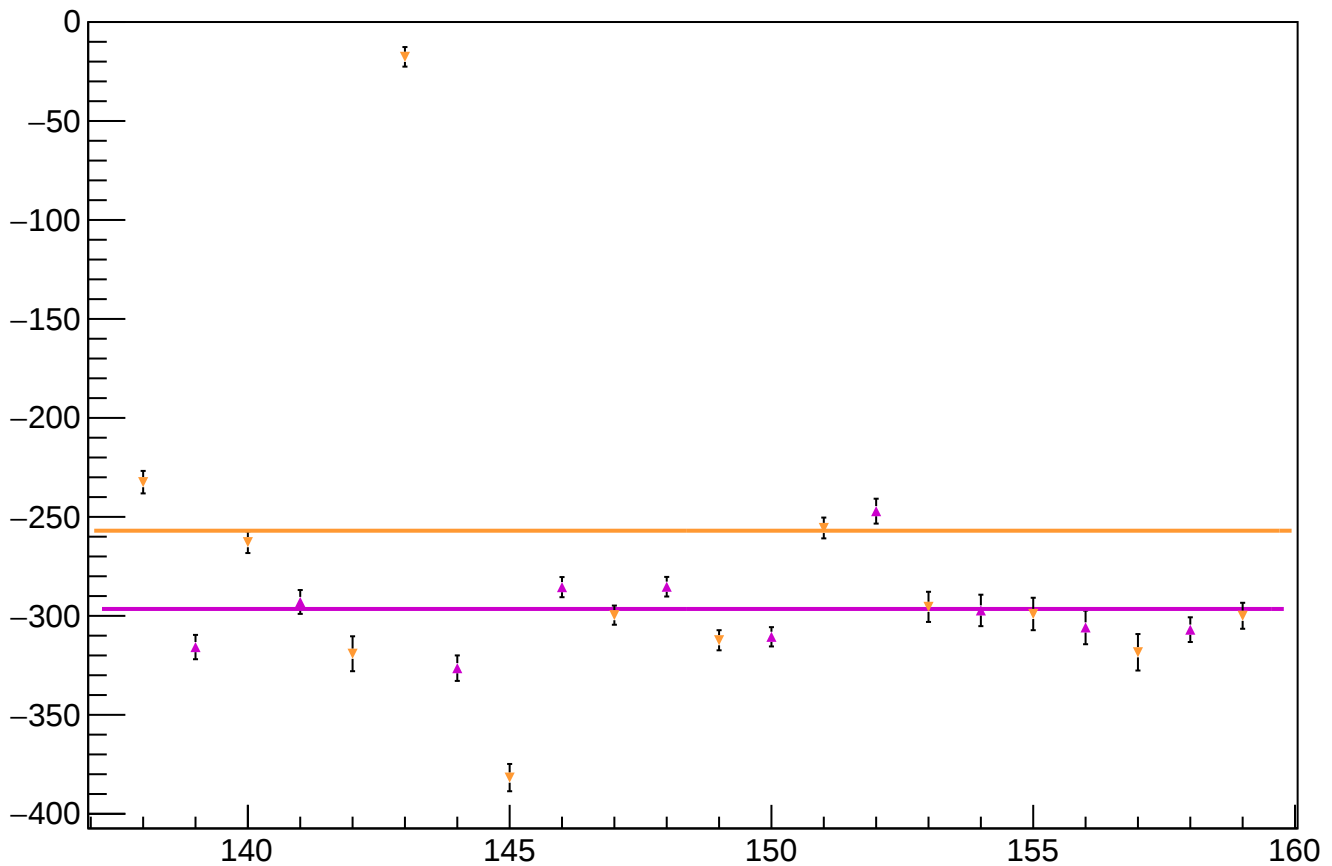
Right Out: -226.626+/-0.151 χ^2/NDF : 102587.0/19

Left In: -266.288+/-0.118 χ^2/NDF : 18797.6/9

-259.781+/-0.093 χ^2/NDF : 223556.1/28

-251.320+/-0.093 χ^2/NDF : 164274.4/29

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -256.980+/-1.758 χ^2/NDF : 3074.8/11

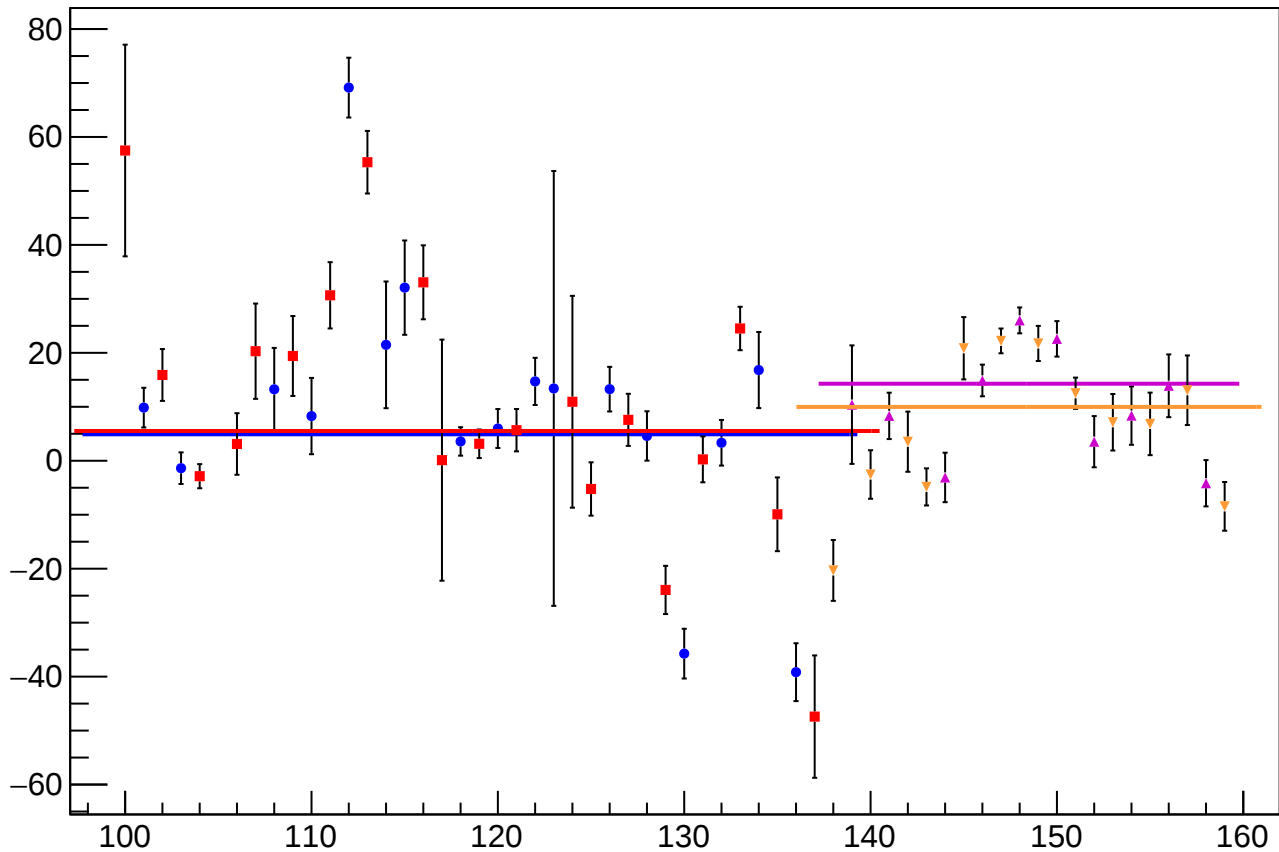
-256.980+/-1.758 χ^2/NDF : 3074.8/11

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

-296.513+/-1.889 χ^2/NDF : 115.7/9

Left In: -296.513+/-1.889 χ^2/NDF : 115.7/9

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 ± 1.105 $\chi^2/\text{NDF}: 311.7/16$

Left Out: 9.978 ± 1.139 $\chi^2/\text{NDF}: 119.8/11$

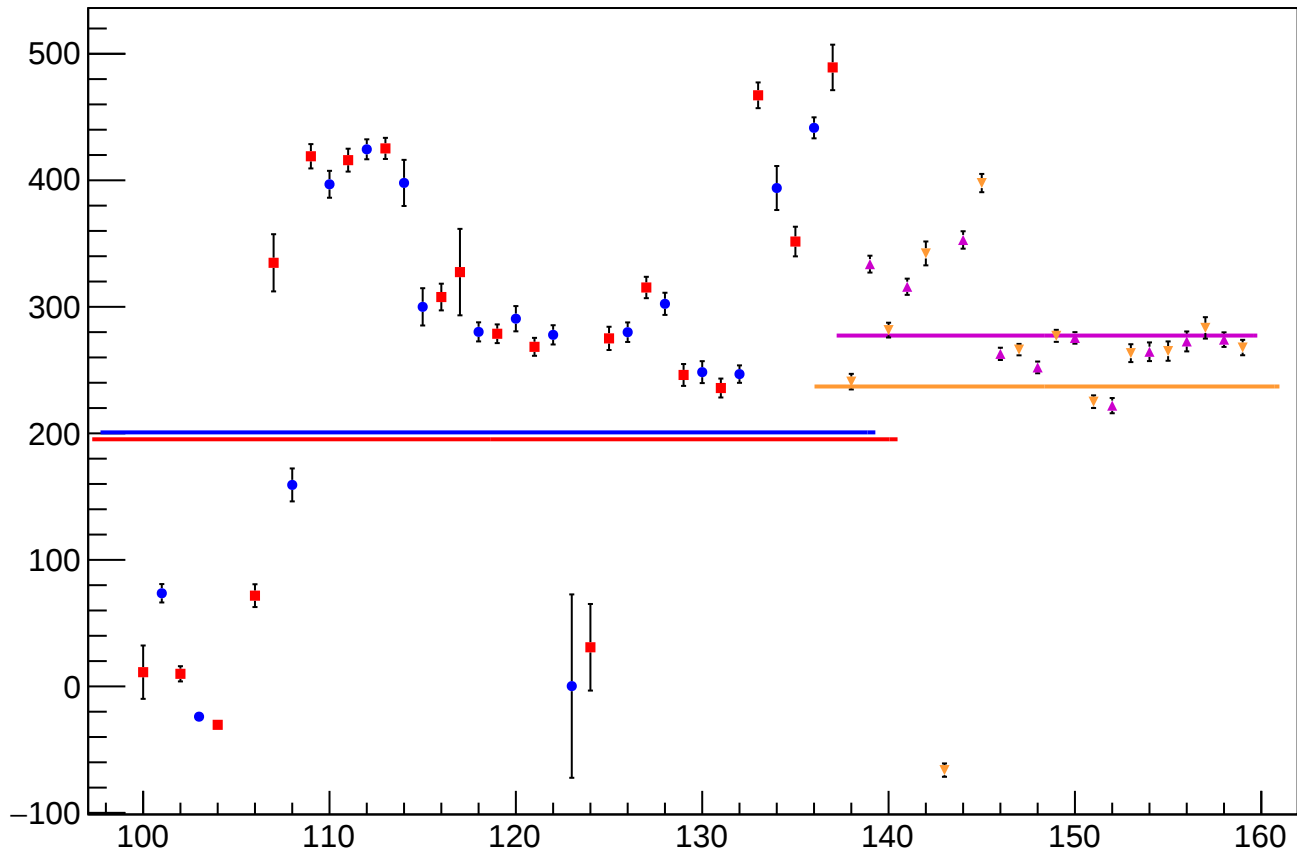
Right Out: 5.517 ± 1.067 $\chi^2/\text{NDF}: 239.0/19$

Left In: 14.277 ± 1.236 $\chi^2/\text{NDF}: 71.6/9$

7.365 ± 0.793 $\chi^2/\text{NDF}: 441.7/28$

9.260 ± 0.808 $\chi^2/\text{NDF}: 339.3/29$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 ± 1.983 $\chi^2/\text{NDF}: 6733.0/16$

Left Out: 237.039 ± 1.733 $\chi^2/\text{NDF}: 4176.5/11$

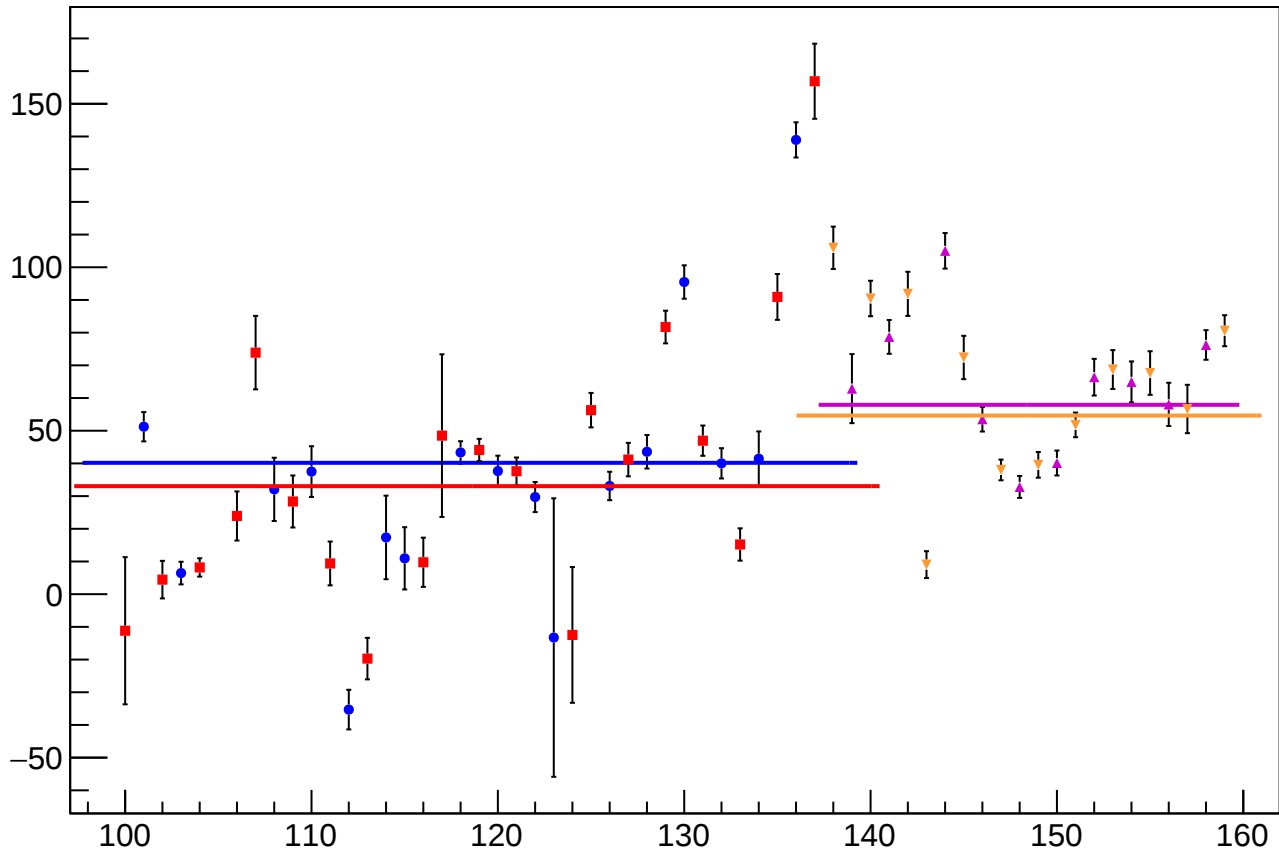
Right Out: 195.311 ± 1.921 $\chi^2/\text{NDF}: 8262.1/19$

Left In: 277.296 ± 1.835 $\chi^2/\text{NDF}: 354.9/9$

221.338 ± 1.305 $\chi^2/\text{NDF}: 11099.1/28$

238.173 ± 1.327 $\chi^2/\text{NDF}: 9569.5/29$

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185+/-1.283 χ^2/NDF : 734.6/16

Left Out: 54.647+/-1.400 χ^2/NDF : 349.3/11

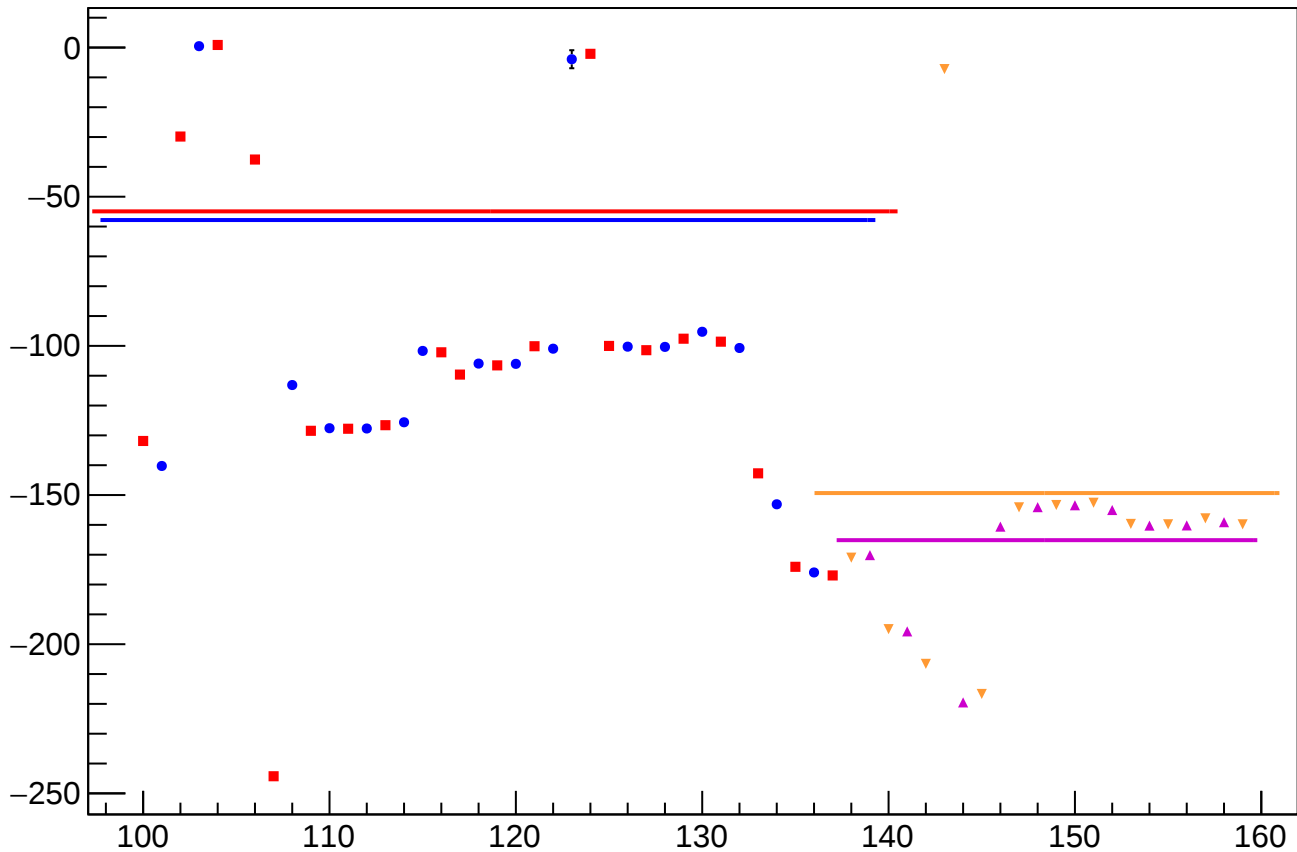
Right Out: 33.045+/-1.249 χ^2/NDF : 553.1/19

Left In: 57.919+/-1.513 χ^2/NDF : 190.3/9

46.787+/-0.946 χ^2/NDF : 1141.8/28

43.127+/-0.963 χ^2/NDF : 904.2/29

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 $\pm$ 0.062 χ^2 /NDF: 1101296.2/16

Left Out: -149.337 $\pm$ 0.070 χ^2 /NDF: 578573.0/11

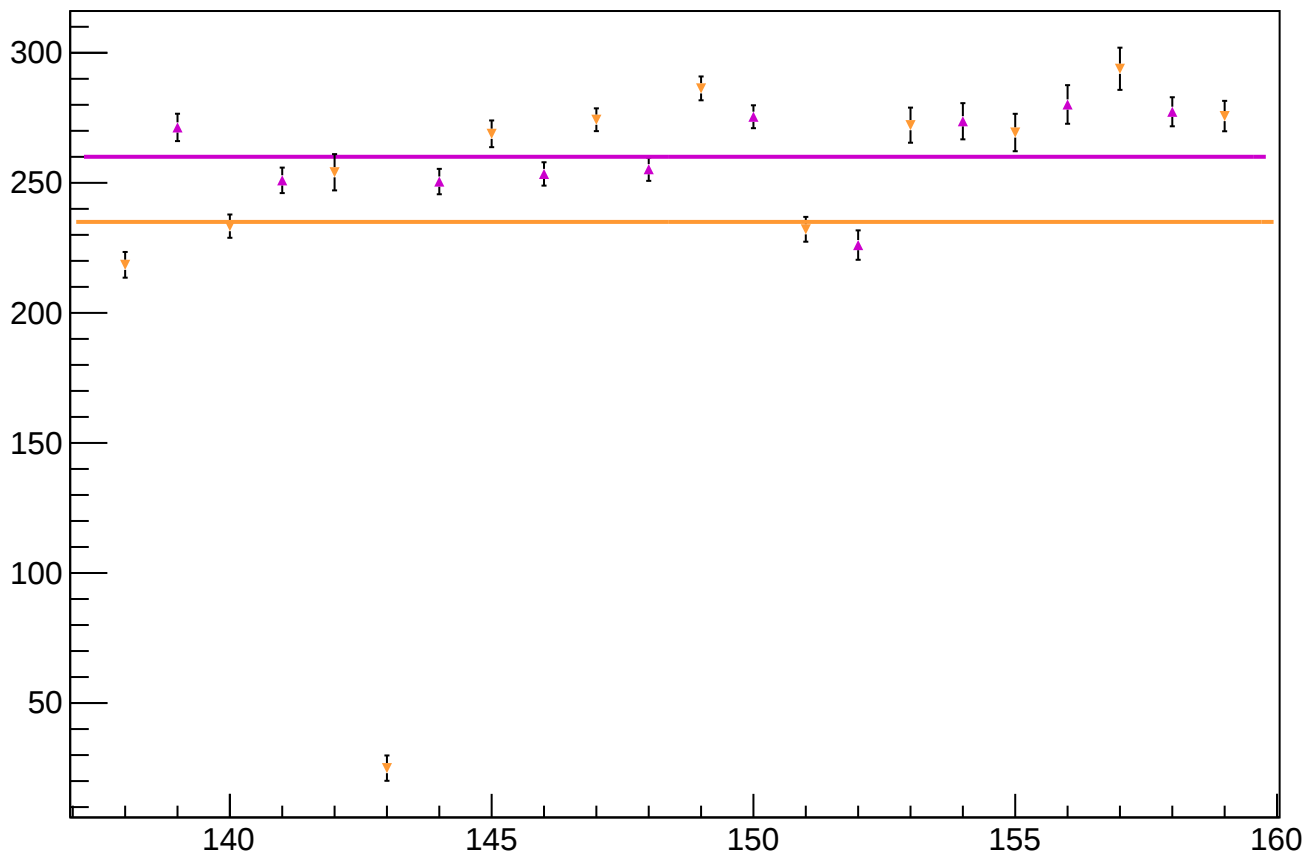
Right Out: -54.915 $\pm$ 0.060 χ^2 /NDF: 1001968.3/19

Left In: -165.124 $\pm$ 0.073 χ^2 /NDF: 57272.4/9

-97.830 $\pm$ 0.046 χ^2 /NDF: 2638916.0/28

-99.305 $\pm$ 0.047 χ^2 /NDF: 2409728.1/29

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 234.983 $\pm$ 1.541 χ^2 /NDF:2282.3/11

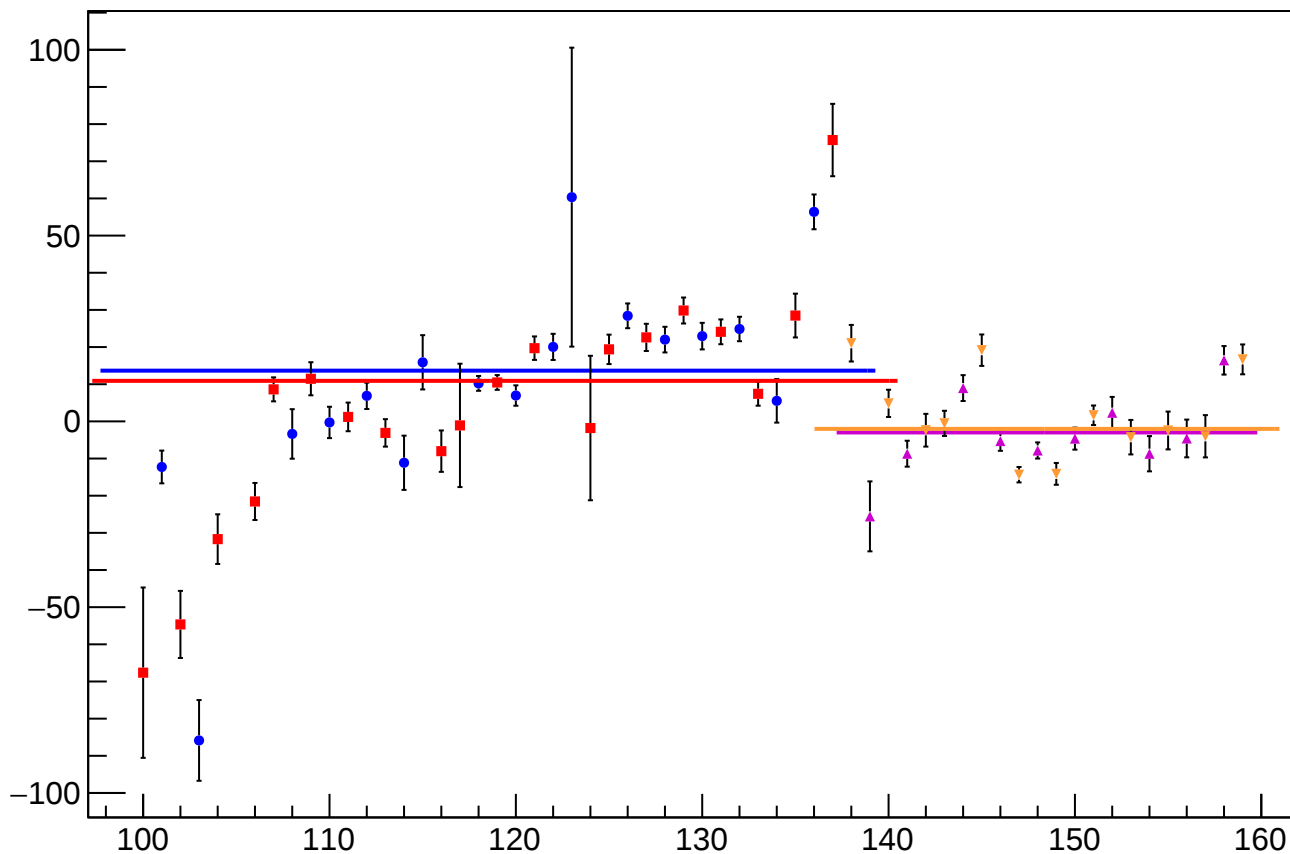
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 260.023 $\pm$ 1.637 χ^2 /NDF:84.2/9

234.983 $\pm$ 1.541 χ^2 /NDF: 2282.3/11

260.023 $\pm$ 1.637 χ^2 /NDF: 84.2/9

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652+/-0.936 χ^2/NDF : 294.0/16

Left Out: -2.020+/-1.010 χ^2/NDF : 126.9/11

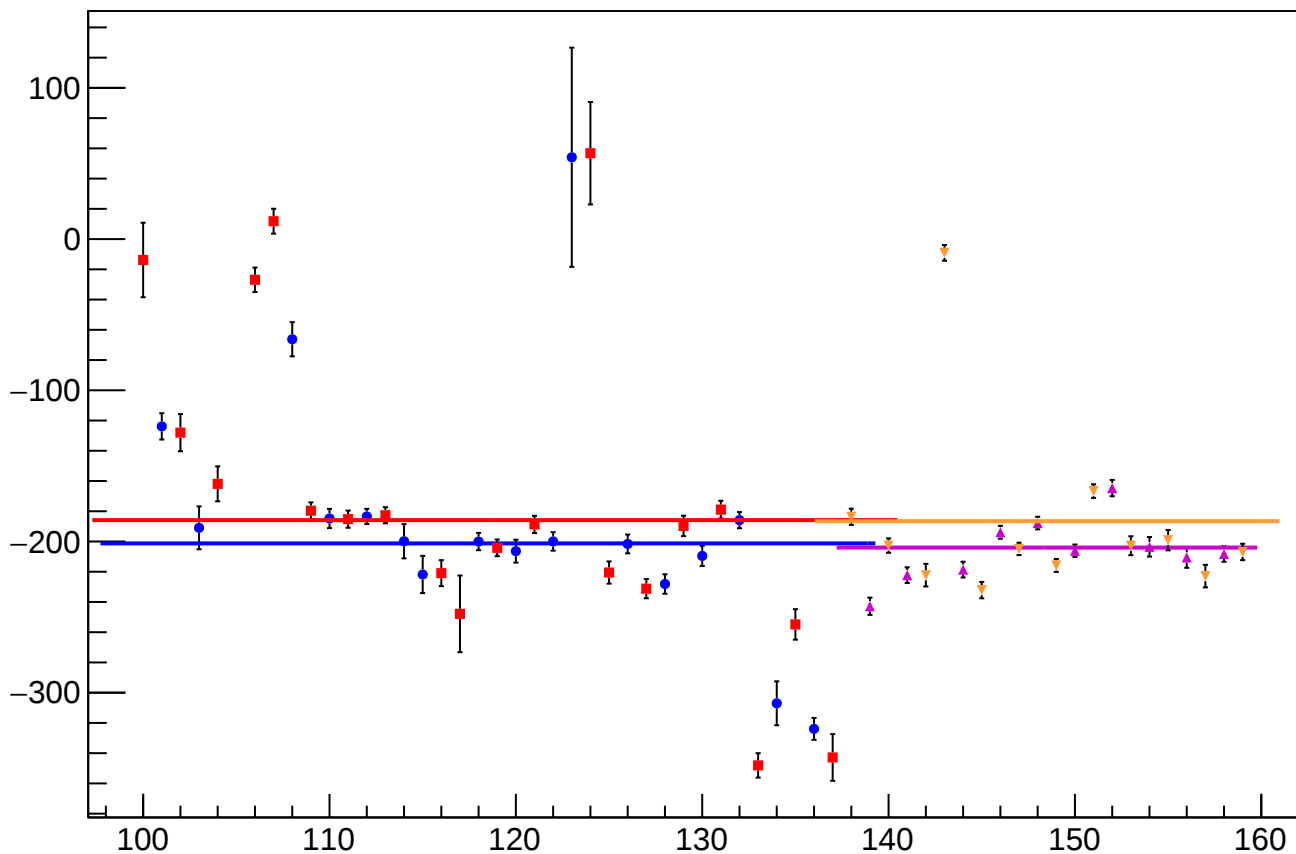
Right Out: 10.908+/-0.912 χ^2/NDF : 303.1/19

Left In: -2.979+/-1.083 χ^2/NDF : 55.0/9

6.409+/-0.687 χ^2/NDF : 550.4/28

5.146+/-0.697 χ^2/NDF : 454.3/29

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -186.578 ± 1.525 χ^2/NDF : 1404.4/11

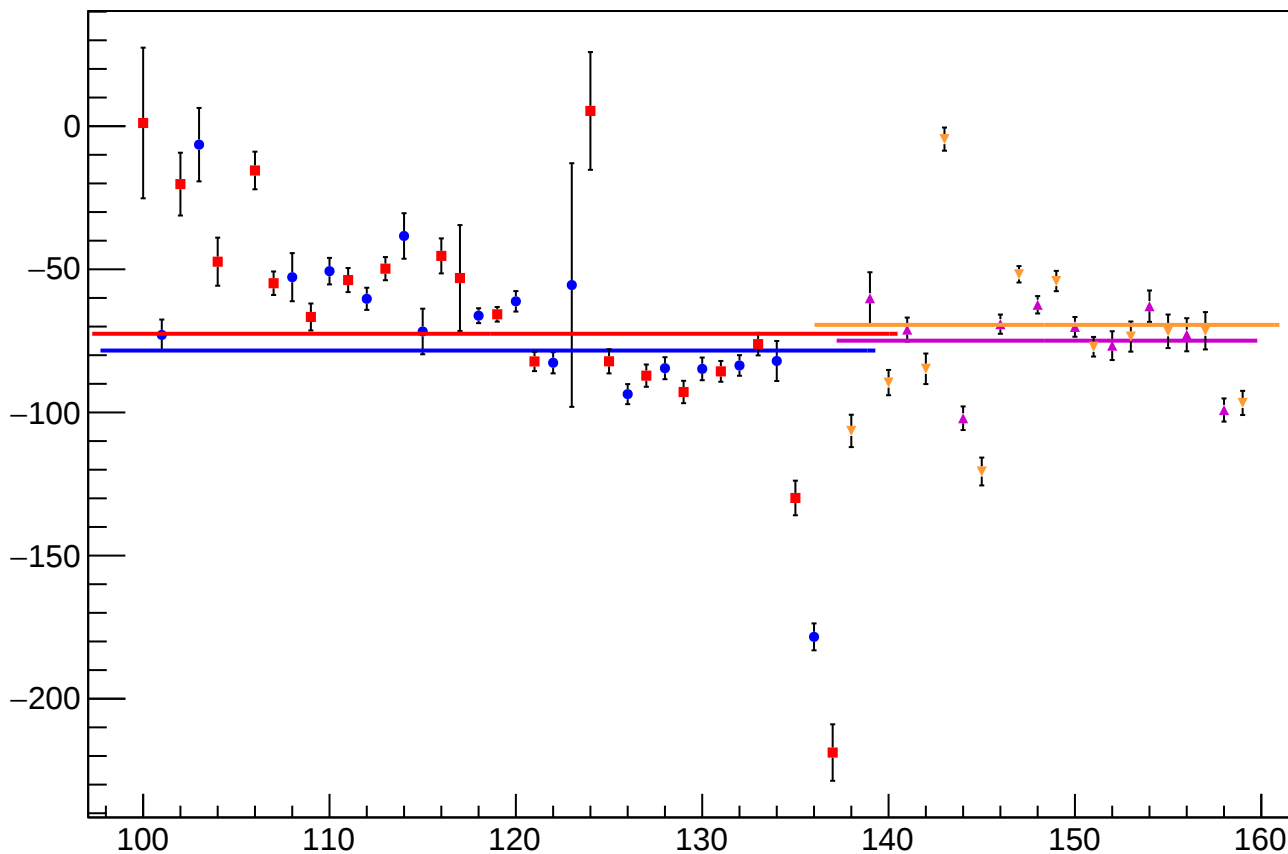
Right Out: -185.871 ± 1.695 χ^2/NDF : 1752.0/19

Left In: -204.031 ± 1.599 χ^2/NDF : 141.6/9

-192.733 ± 1.162 χ^2/NDF : 2066.7/28

-195.482 ± 1.163 χ^2/NDF : 1954.4/29

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -69.405 ± 1.238 χ^2/NDF : 544.5/11

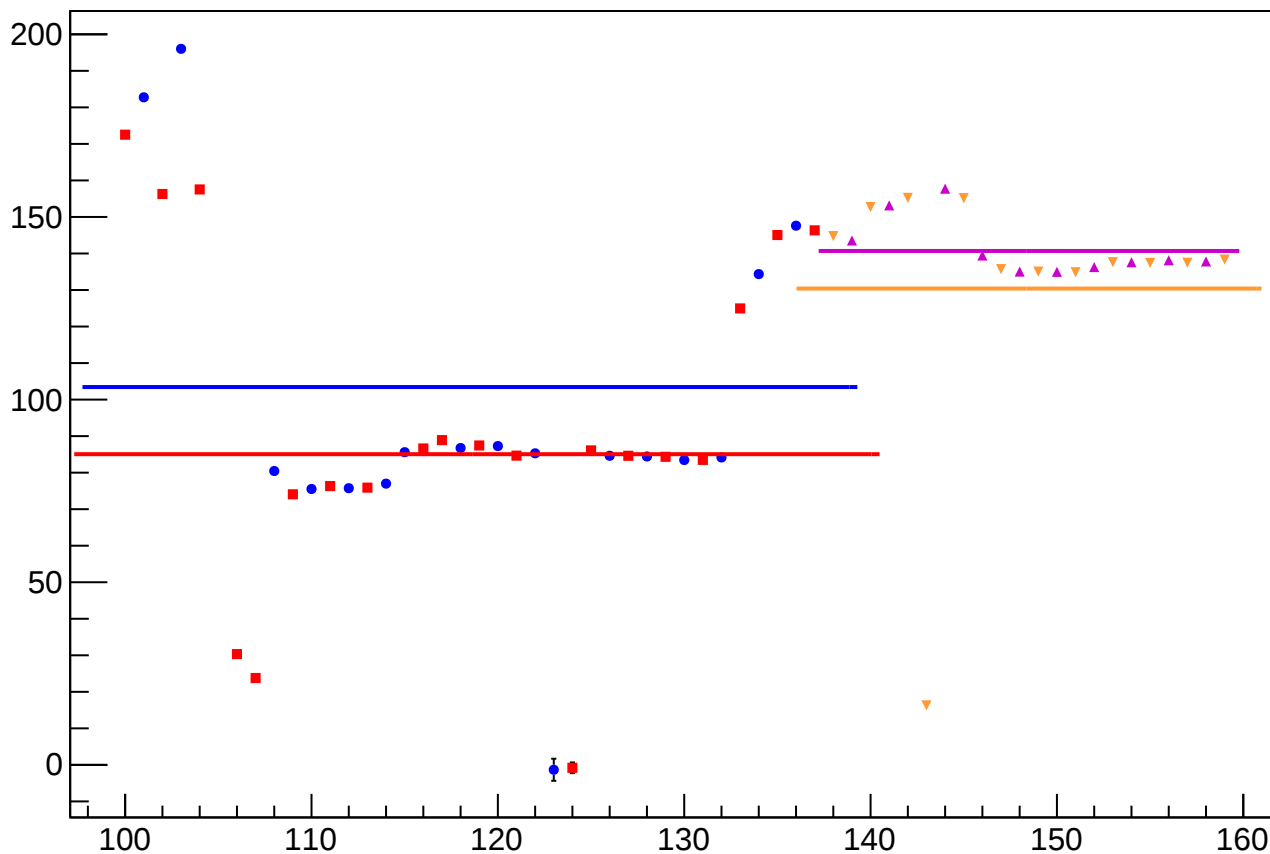
Right Out: -72.514 ± 1.050 χ^2/NDF : 607.0/19

Left In: -74.924 ± 1.321 χ^2/NDF : 109.4/9

-74.494 ± 0.814 χ^2/NDF : 1225.6/28

-73.446 ± 0.822 χ^2/NDF : 718.4/29

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436+/-0.071 χ^2/NDF : 272785.6/16

Left Out: 130.396+/-0.062 χ^2/NDF : 343889.9/11

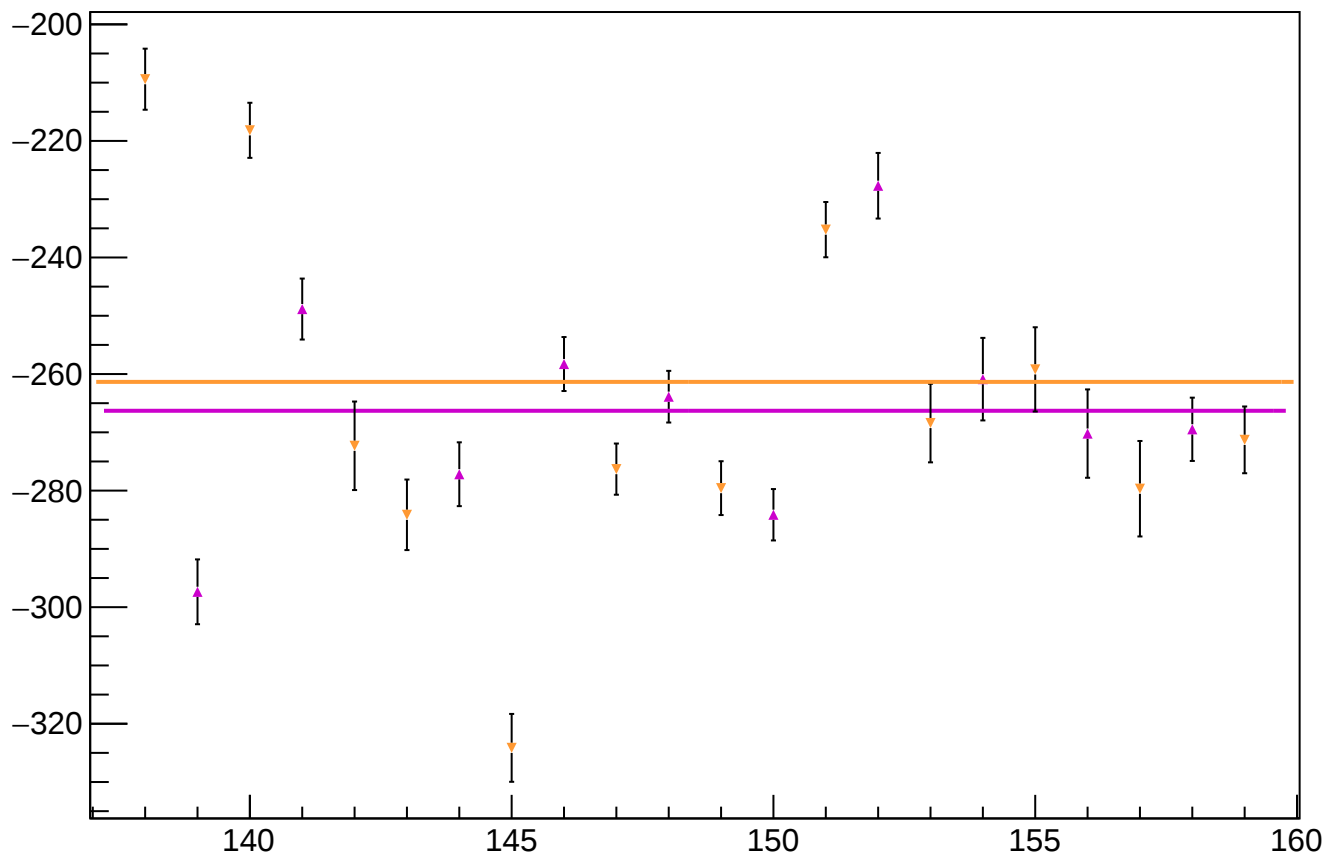
Right Out: 85.054+/-0.064 χ^2/NDF : 422354.0/19

Left In: 140.689+/-0.064 χ^2/NDF : 12357.5/9

118.795+/-0.046 χ^2/NDF : 699099.8/28

112.764+/-0.045 χ^2/NDF : 815301.8/29

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -261.345+/-1.611 χ^2/NDF : 381.0/11

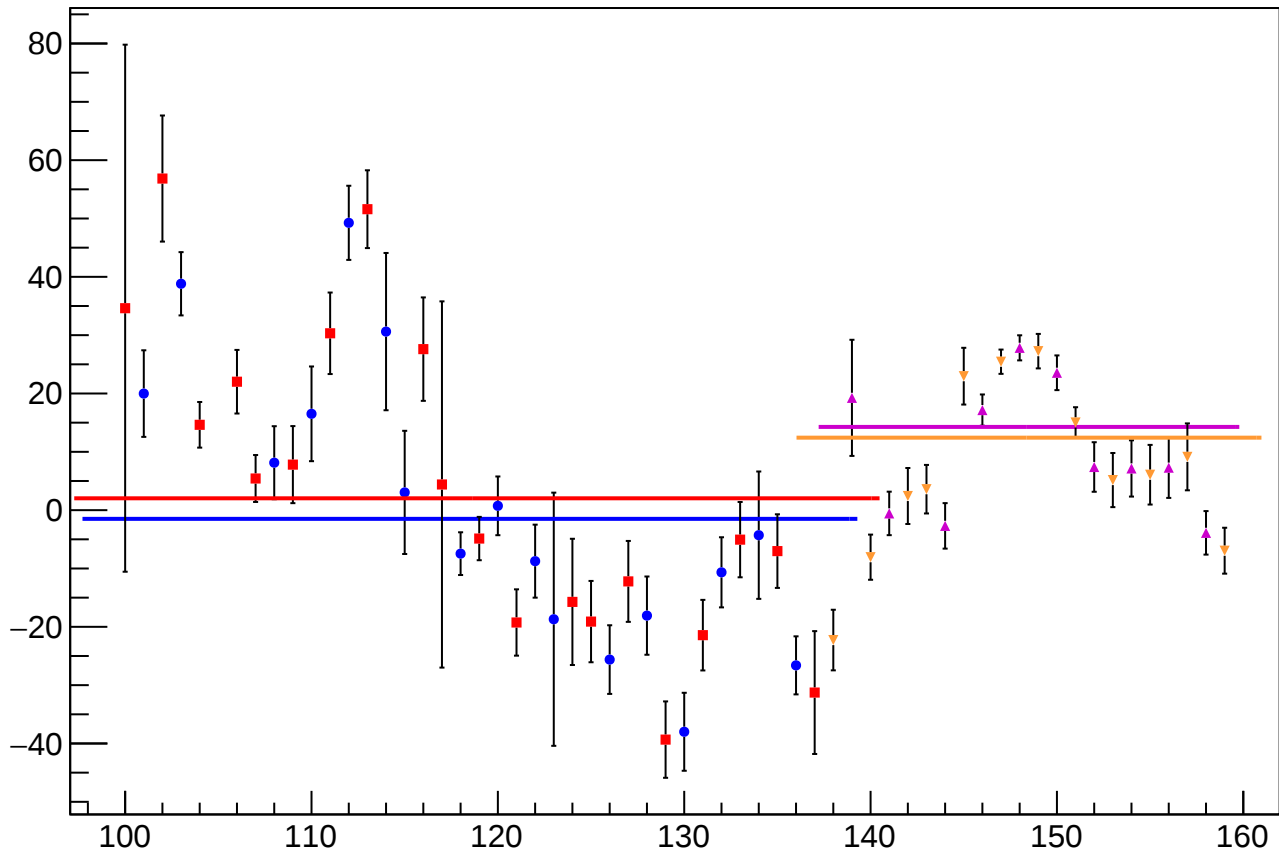
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -266.302+/-1.681 χ^2/NDF : 114.2/9

-261.345+/-1.611 χ^2/NDF : 381.0/11

-266.302+/-1.681 χ^2/NDF : 114.2/9

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490 ± 1.536 $\chi^2/\text{NDF}: 226.0/16$

Left Out: 12.429 ± 1.043 $\chi^2/\text{NDF}: 180.0/11$

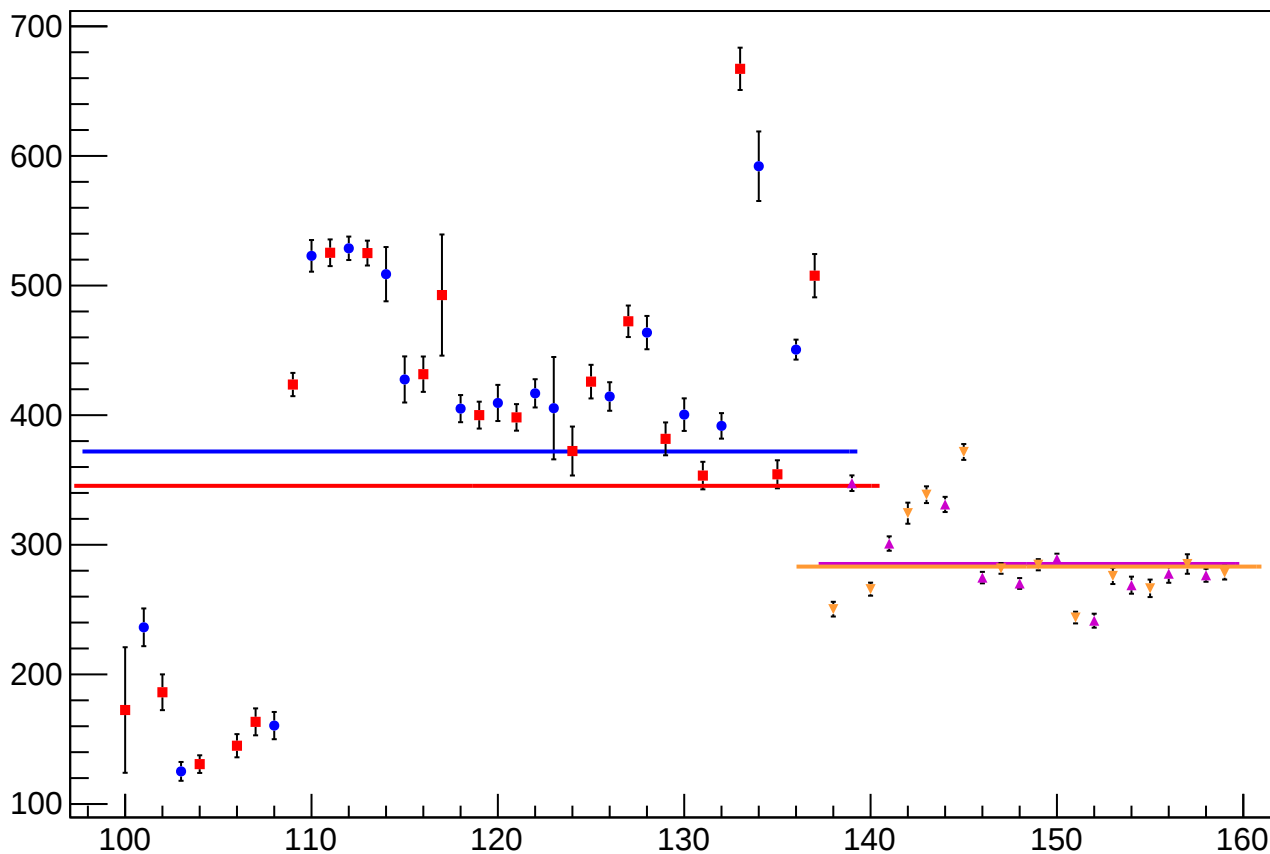
Right Out: 2.032 ± 1.398 $\chi^2/\text{NDF}: 233.3/19$

Left In: 14.271 ± 1.102 $\chi^2/\text{NDF}: 116.0/9$

8.035 ± 0.863 $\chi^2/\text{NDF}: 462.2/28$

9.584 ± 0.865 $\chi^2/\text{NDF}: 396.5/29$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 $\pm$ 2.778 χ^2 /NDF: 2432.6/16

Left Out: 283.178 $\pm$ 1.583 χ^2 /NDF: 438.8/11

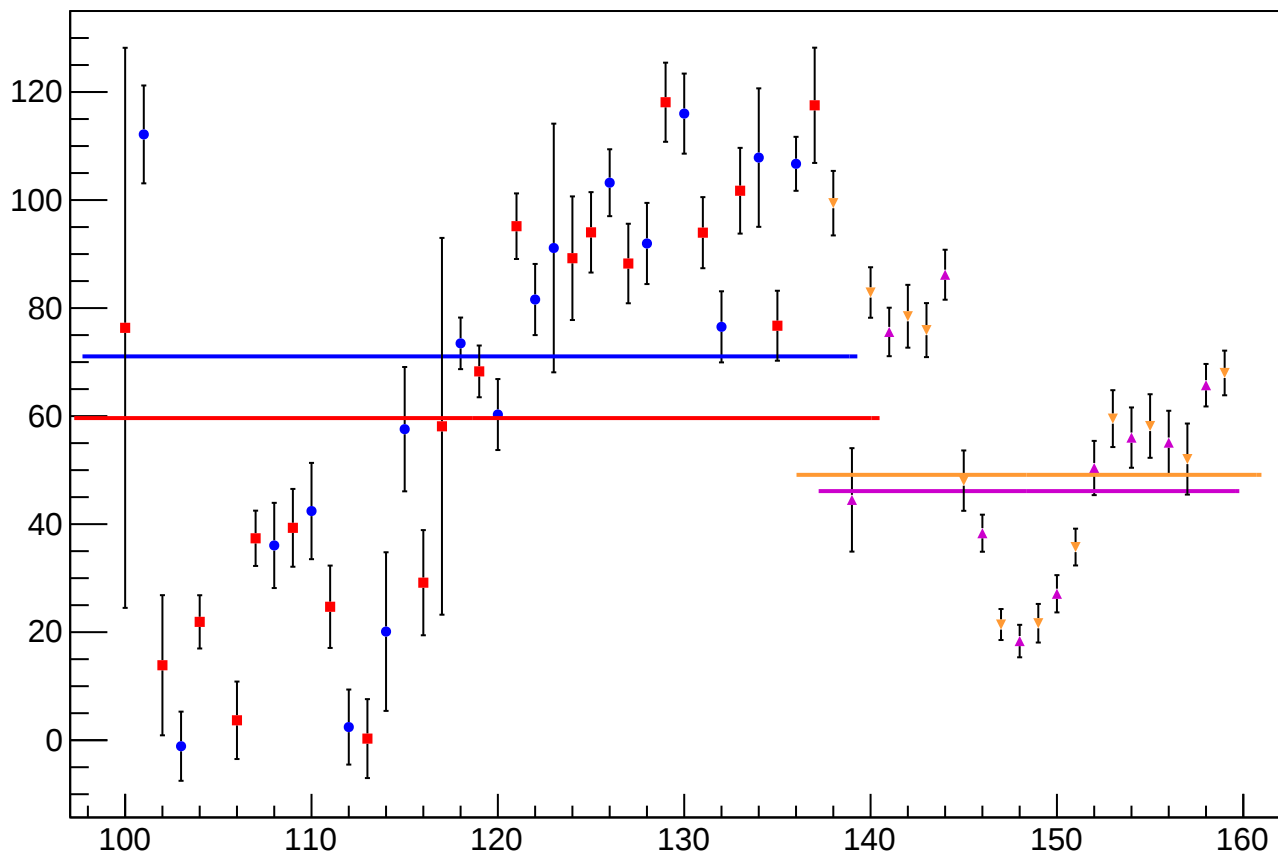
Right Out: 345.485 $\pm$ 2.558 χ^2 /NDF: 3425.1/19

Left In: 285.190 $\pm$ 1.634 χ^2 /NDF: 272.2/9

304.948 $\pm$ 1.375 χ^2 /NDF: 3642.8/28

302.664 $\pm$ 1.377 χ^2 /NDF: 4091.8/29

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 49.127 $\pm$ 1.283 χ^2 /NDF:372.3/11

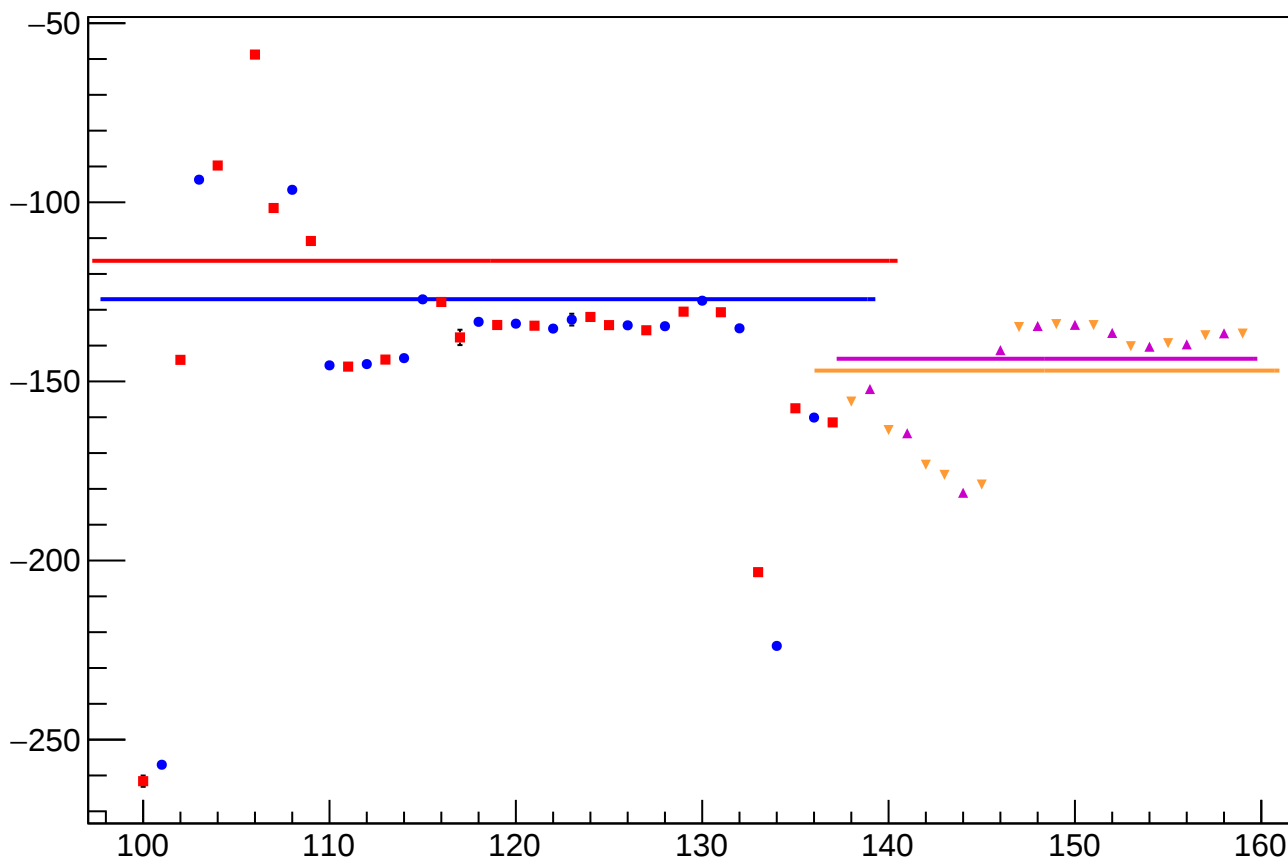
Right Out: 59.634 $\pm$ 1.629 χ^2 /NDF: 491.6/19

Left In: 46.117 $\pm$ 1.346 χ^2 /NDF:269.9/9

56.711 $\pm$ 1.037 χ^2 /NDF: 899.6/28

51.600 $\pm$ 1.038 χ^2 /NDF: 802.4/29

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049 ± 0.090 $\chi^2/\text{NDF}: 167014.4/16$

Left Out: -146.976 ± 0.064 $\chi^2/\text{NDF}: 62950.3/11$

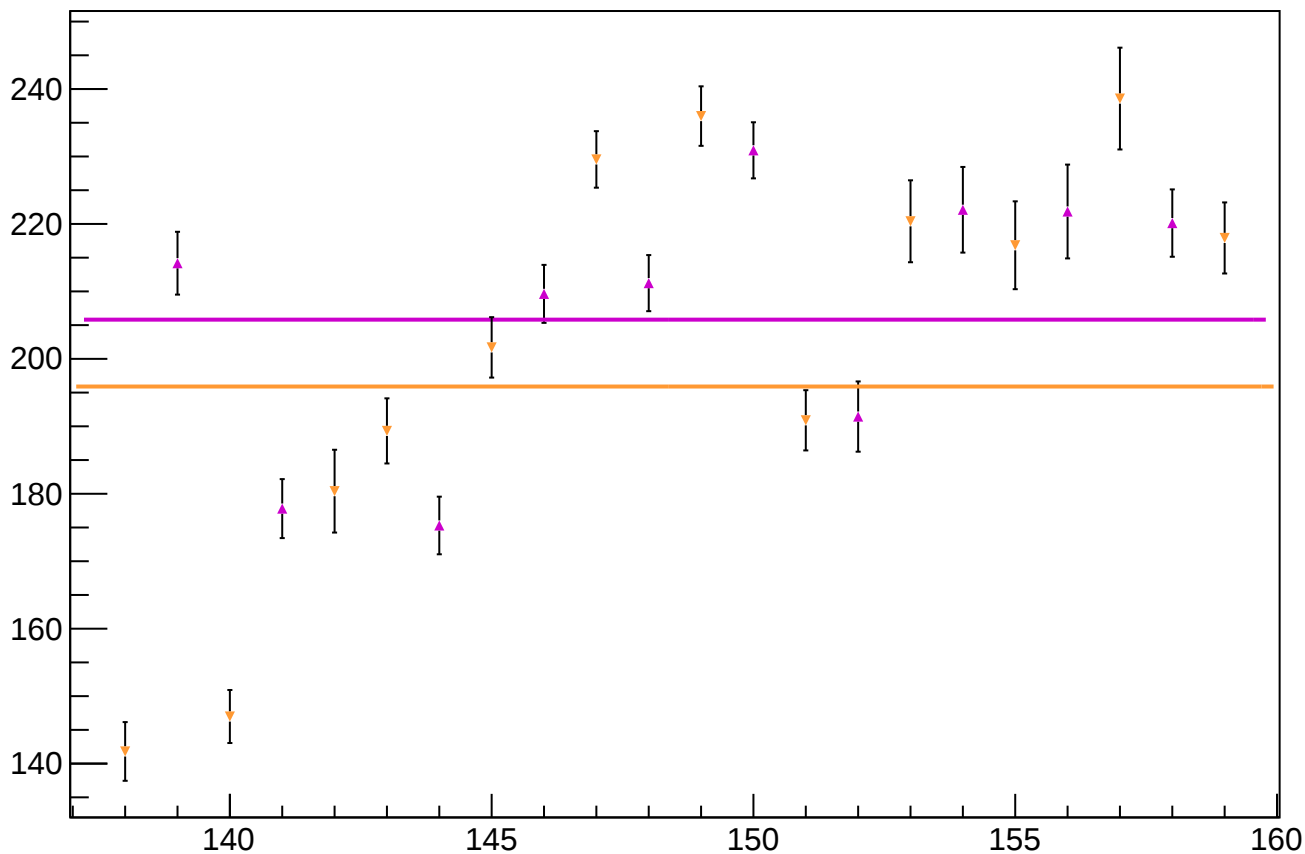
Right Out: -116.327 ± 0.083 $\chi^2/\text{NDF}: 167208.7/19$

Left In: -143.676 ± 0.065 $\chi^2/\text{NDF}: 40323.4/9$

-140.260 ± 0.052 $\chi^2/\text{NDF}: 262626.9/28$

-133.220 ± 0.051 $\chi^2/\text{NDF}: 274719.5/29$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 195.899+/-1.415 χ^2/NDF : 543.8/11

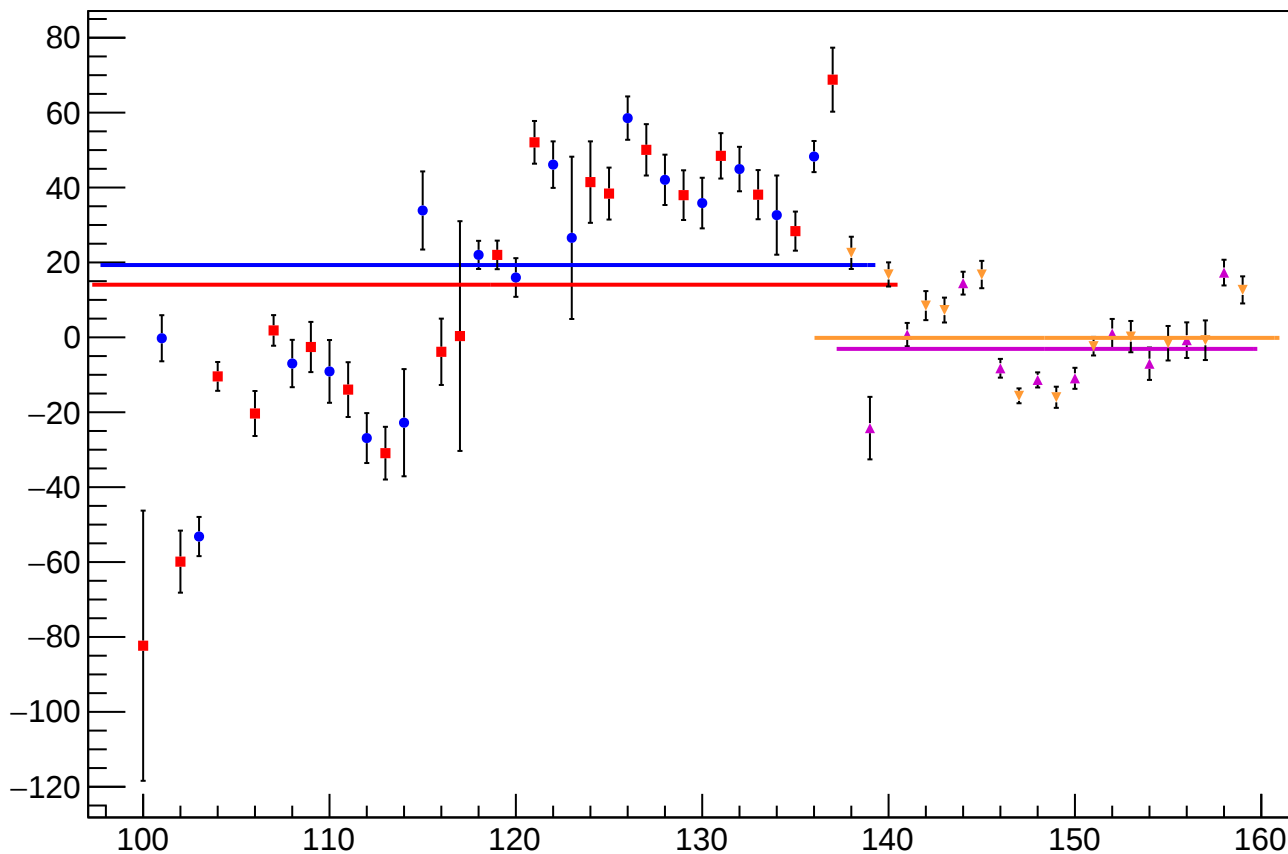
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 205.813+/-1.498 χ^2/NDF : 162.0/9

195.899+/-1.415 χ^2/NDF : 543.8/11

205.813+/-1.498 χ^2/NDF : 162.0/9

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: -0.141 ± 0.936 χ^2/NDF : 192.6/11

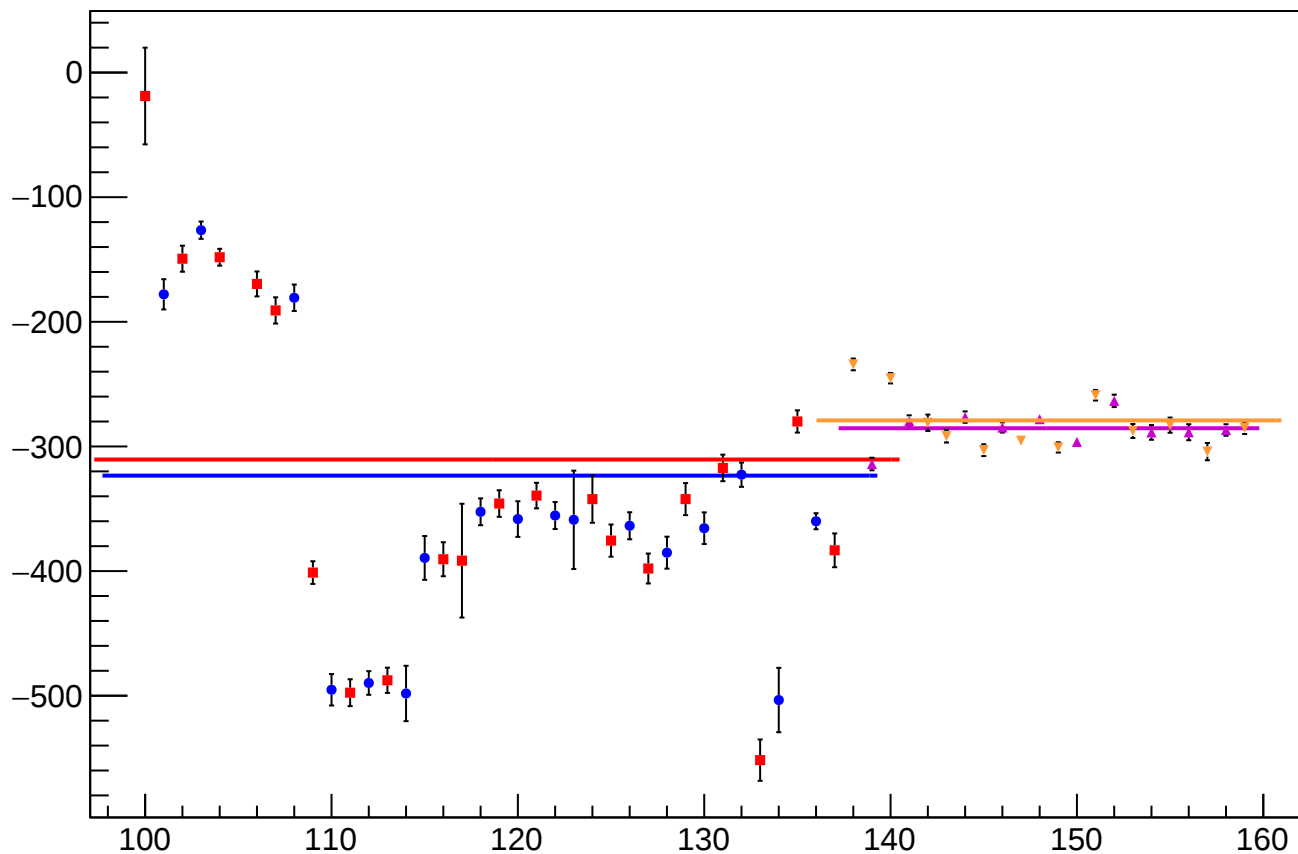
Right Out: 14.055 ± 1.388 χ^2/NDF : 437.1/19

Left In: -3.082 ± 0.998 χ^2/NDF : 107.4/9

5.309 ± 0.794 χ^2/NDF : 754.8/28

2.754 ± 0.810 χ^2/NDF : 645.0/29

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -279.092 ± 1.403 $\chi^2/\text{NDF}: 272.3/11$

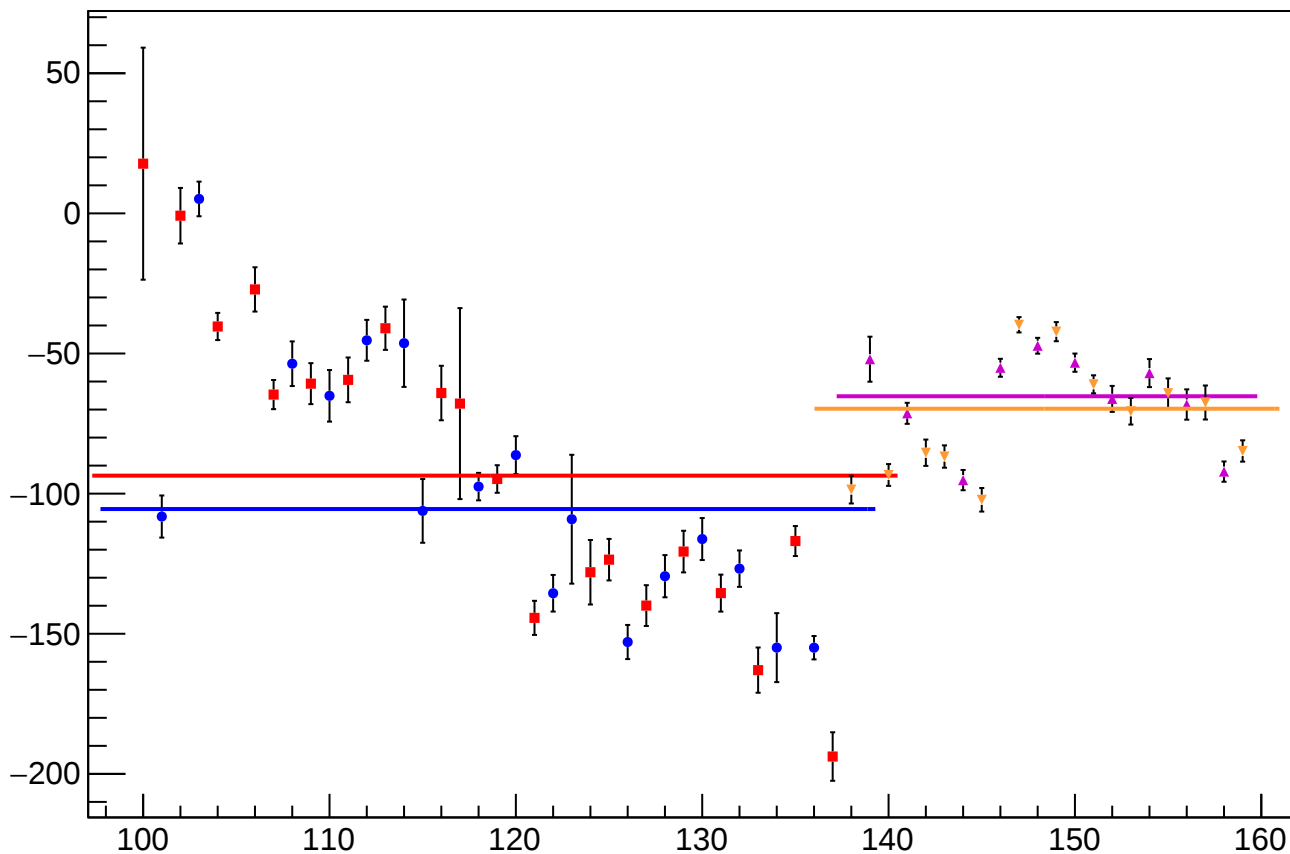
Right Out: -310.484 ± 2.520 $\chi^2/\text{NDF}: 2302.0/19$

Left In: -285.392 ± 1.467 $\chi^2/\text{NDF}: 69.3/9$

-288.604 ± 1.244 $\chi^2/\text{NDF}: 2336.0/28$

-291.744 ± 1.268 $\chi^2/\text{NDF}: 2445.3/29$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -69.697 ± 1.144 χ^2/NDF : 369.0/11

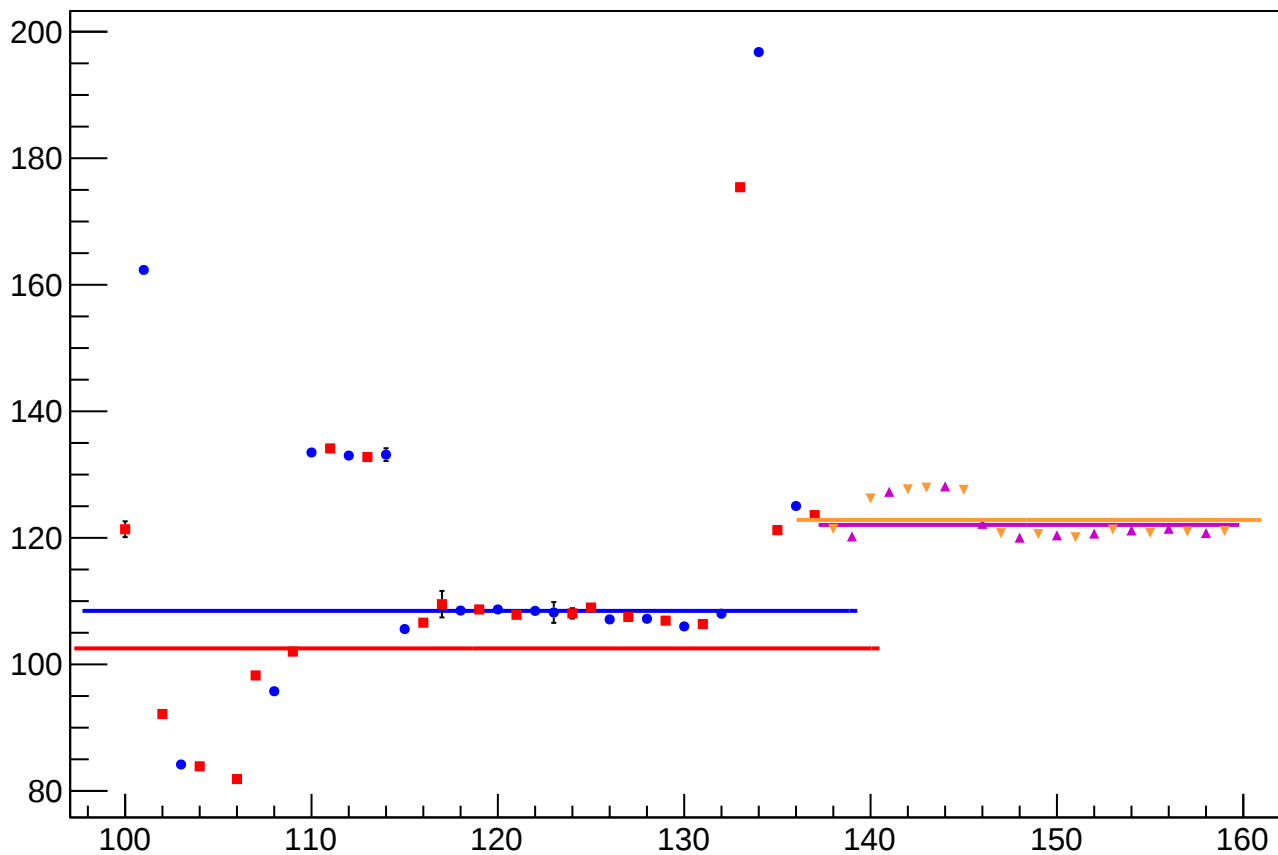
Right Out: -93.579 ± 1.608 χ^2/NDF : 827.7/19

Left In: -65.254 ± 1.215 χ^2/NDF : 196.5/9

-80.753 ± 0.951 χ^2/NDF : 1408.6/28

-75.543 ± 0.969 χ^2/NDF : 1221.7/29

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460+/-0.085 χ^2/NDF : 73301.9/16

Left Out: 122.835+/-0.057 χ^2/NDF : 2814.7/11

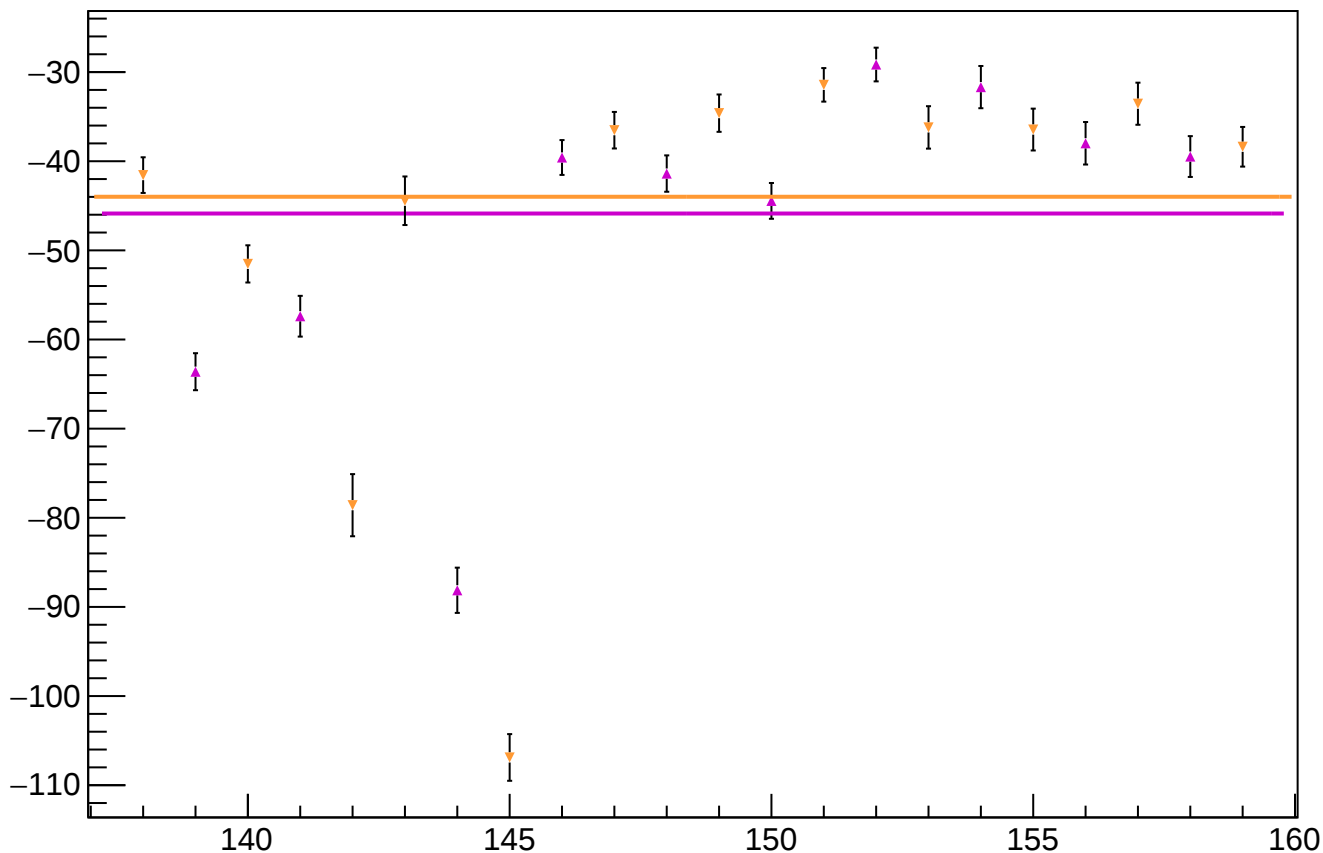
Right Out: 102.532+/-0.079 χ^2/NDF : 53003.2/19

Left In: 122.051+/-0.058 χ^2/NDF : 2189.8/9

118.423+/-0.047 χ^2/NDF : 95938.9/28

115.197+/-0.047 χ^2/NDF : 94317.0/29

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -43.986+/-0.655 χ^2/NDF : 814.6/11

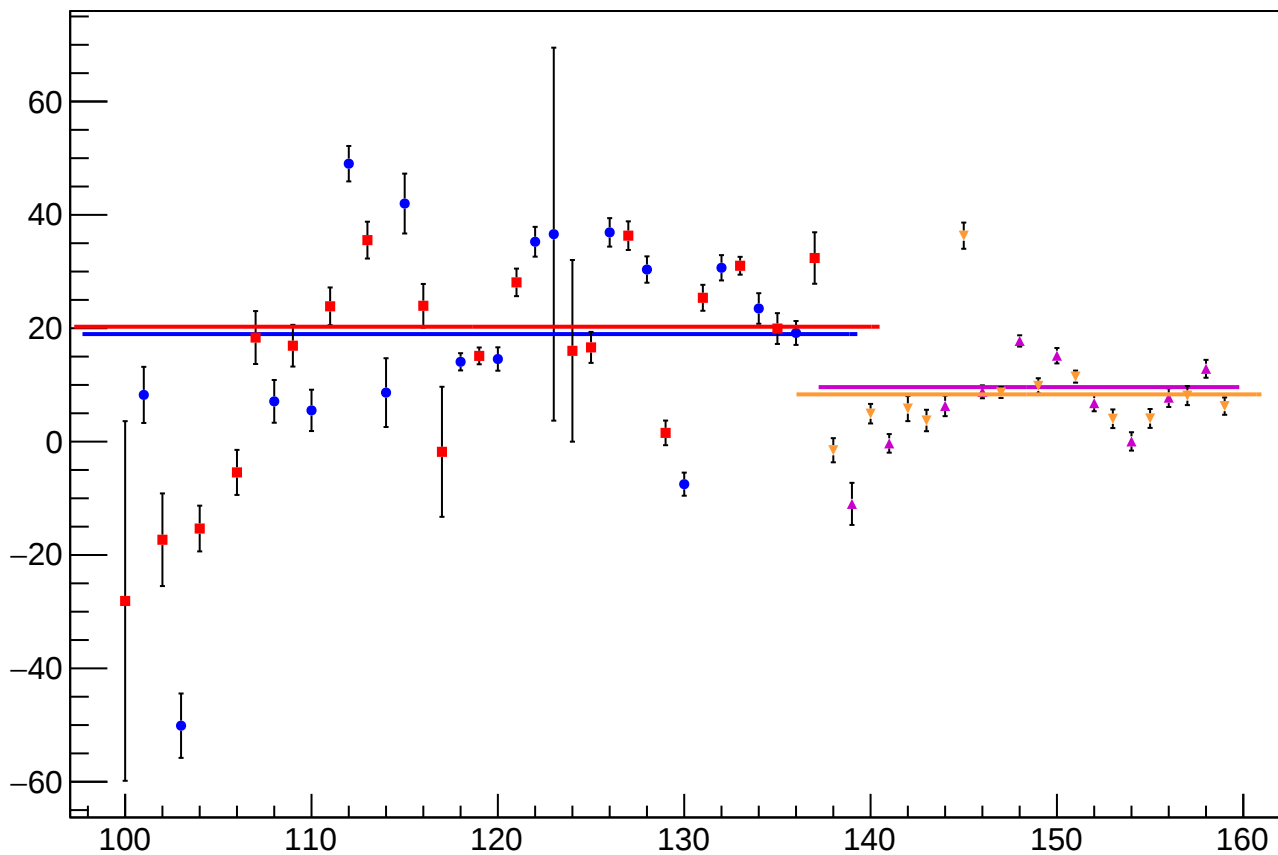
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -45.866+/-0.682 χ^2/NDF : 524.2/9

-43.986+/-0.655 χ^2/NDF : 814.6/11

-45.866+/-0.682 χ^2/NDF : 524.2/9

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 $\pm$ 0.653 χ^2 /NDF: 618.4/16

Left Out: 8.334 $\pm$ 0.437 χ^2 /NDF: 204.5/11

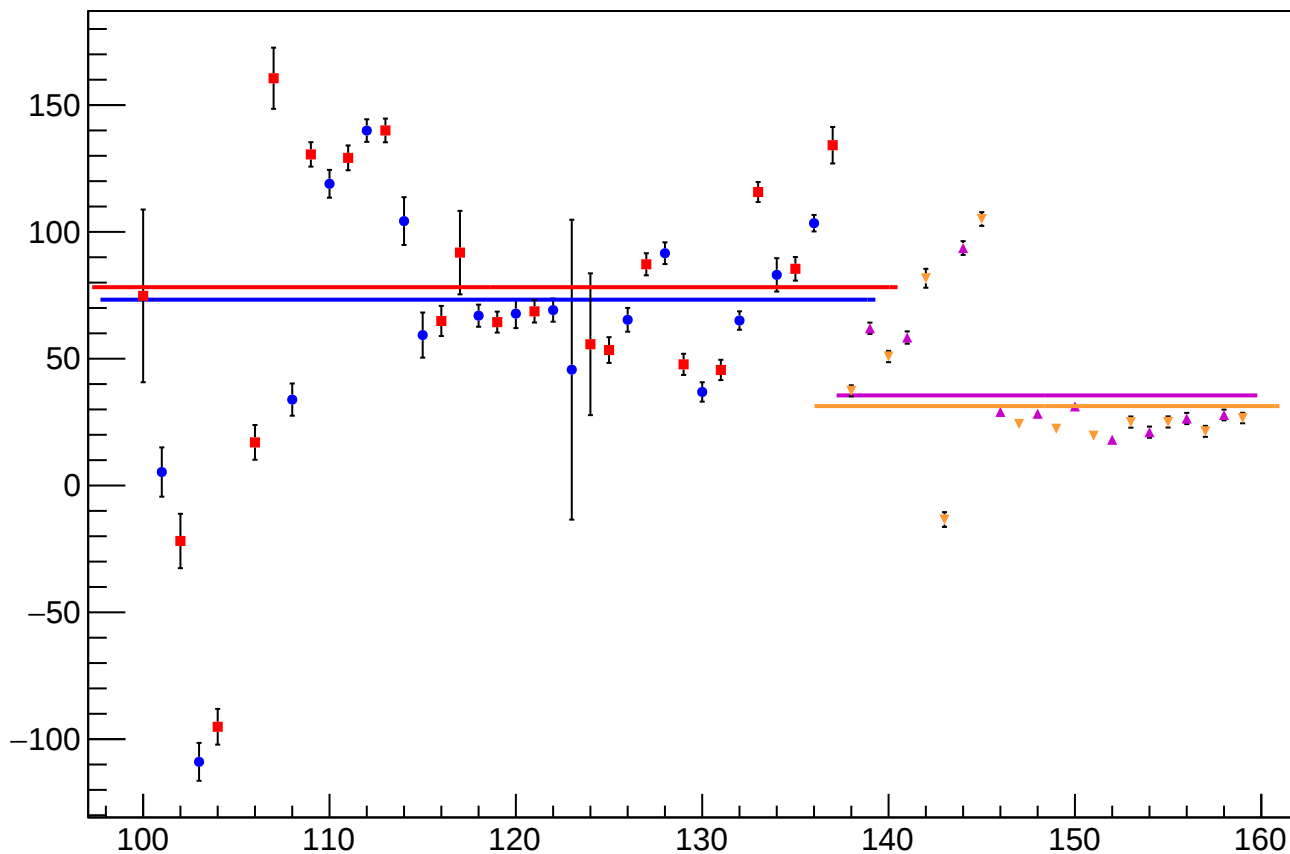
Right Out: 20.269 $\pm$ 0.641 χ^2 /NDF: 370.1/19

Left In: 9.617 $\pm$ 0.461 χ^2 /NDF: 199.6/9

11.628 $\pm$ 0.363 χ^2 /NDF: 1006.1/28

13.243 $\pm$ 0.374 χ^2 /NDF: 751.8/29

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 31.319 $\pm$ 0.640 χ^2 /NDF:1366.9/11

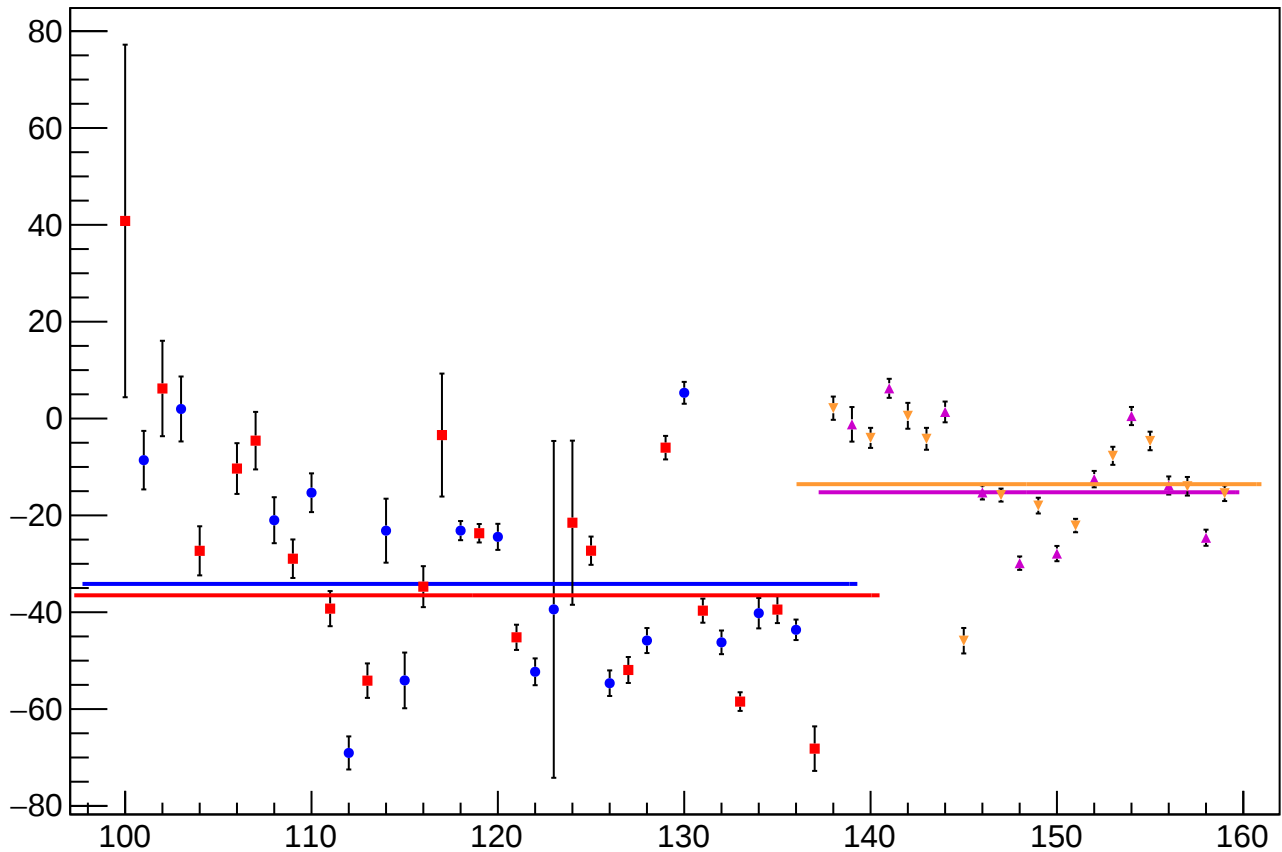
Right Out: 78.205 $\pm$ 1.219 χ^2 /NDF: 1544.0/19

Left In: 35.530 $\pm$ 0.662 χ^2 /NDF:883.2/9

40.183 $\pm$ 0.568 χ^2 /NDF: 3473.8/28

45.237 $\pm$ 0.581 χ^2 /NDF: 3373.7/29

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 $\chi^2/\text{NDF}: 717.5/16$

Left Out: -13.554 ± 0.530 $\chi^2/\text{NDF}: 341.3/11$

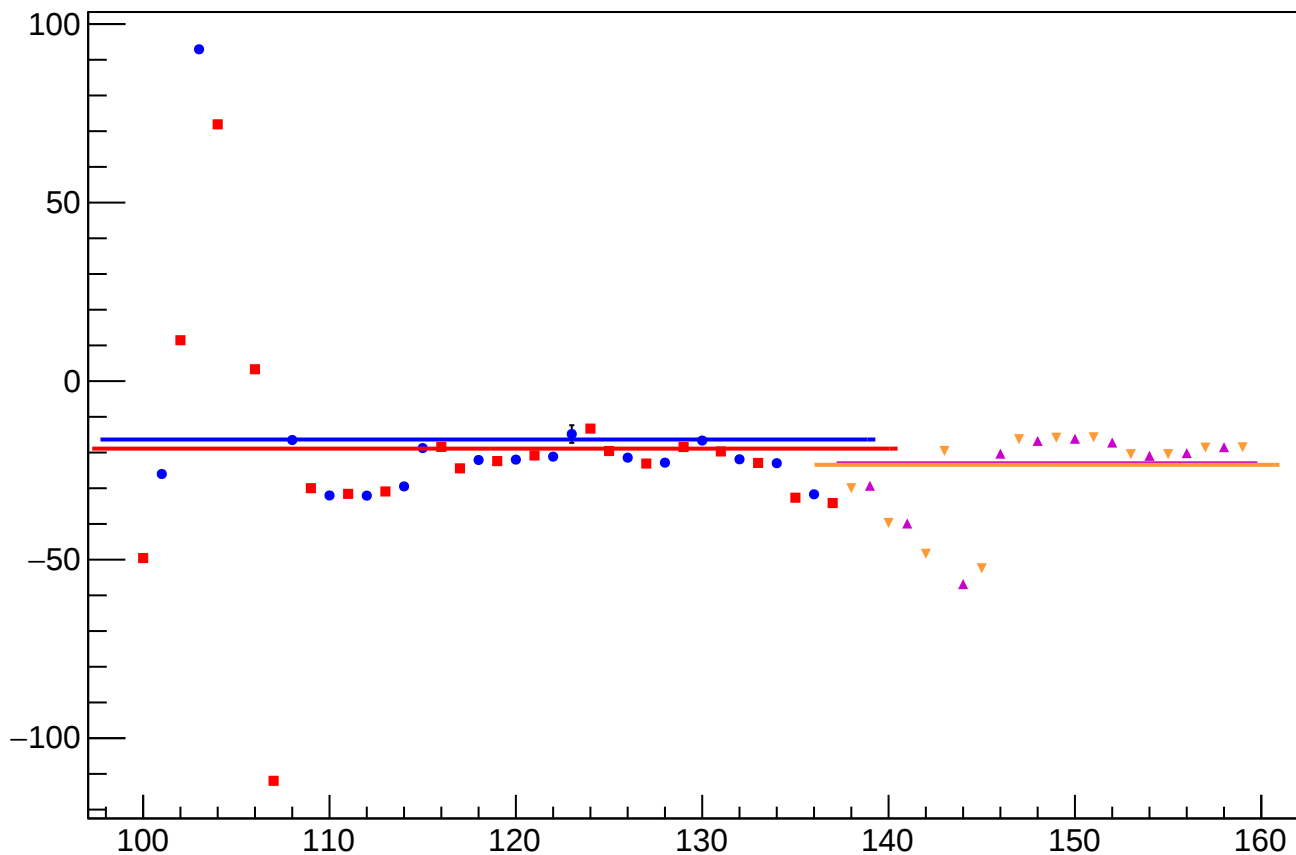
Right Out: -36.507 ± 0.735 $\chi^2/\text{NDF}: 553.8/19$

Left In: -15.226 ± 0.557 $\chi^2/\text{NDF}: 475.9/9$

-20.481 ± 0.432 $\chi^2/\text{NDF}: 1566.3/28$

-22.991 ± 0.444 $\chi^2/\text{NDF}: 1562.9/29$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -23.436 ± 0.025 $\chi^2/\text{NDF}: 172217.9/11$

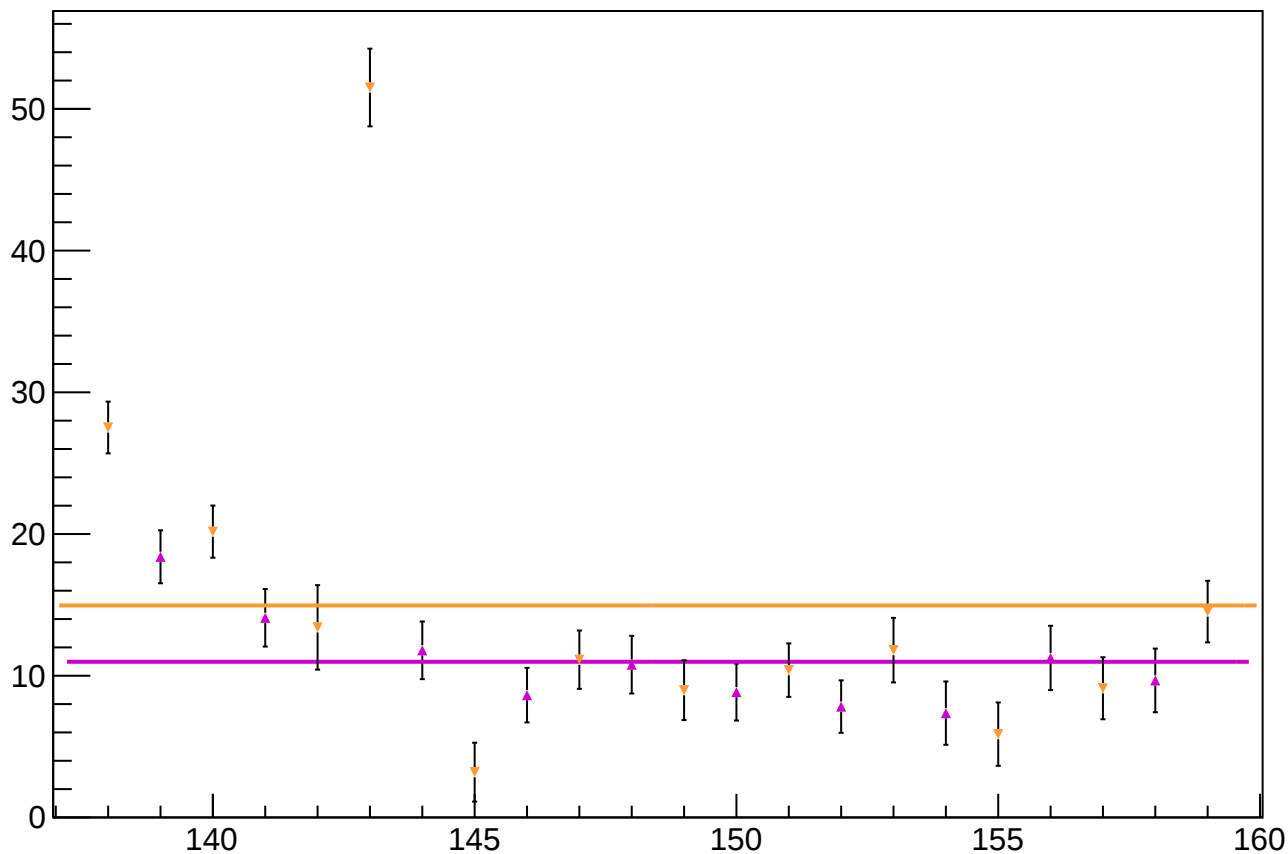
Right Out: -18.906 ± 0.045 $\chi^2/\text{NDF}: 433847.1/19$

Left In: -23.014 ± 0.026 $\chi^2/\text{NDF}: 143143.9/9$

-21.732 ± 0.022 $\chi^2/\text{NDF}: 665550.1/28$

-22.001 ± 0.022 $\chi^2/\text{NDF}: 583210.9/29$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug

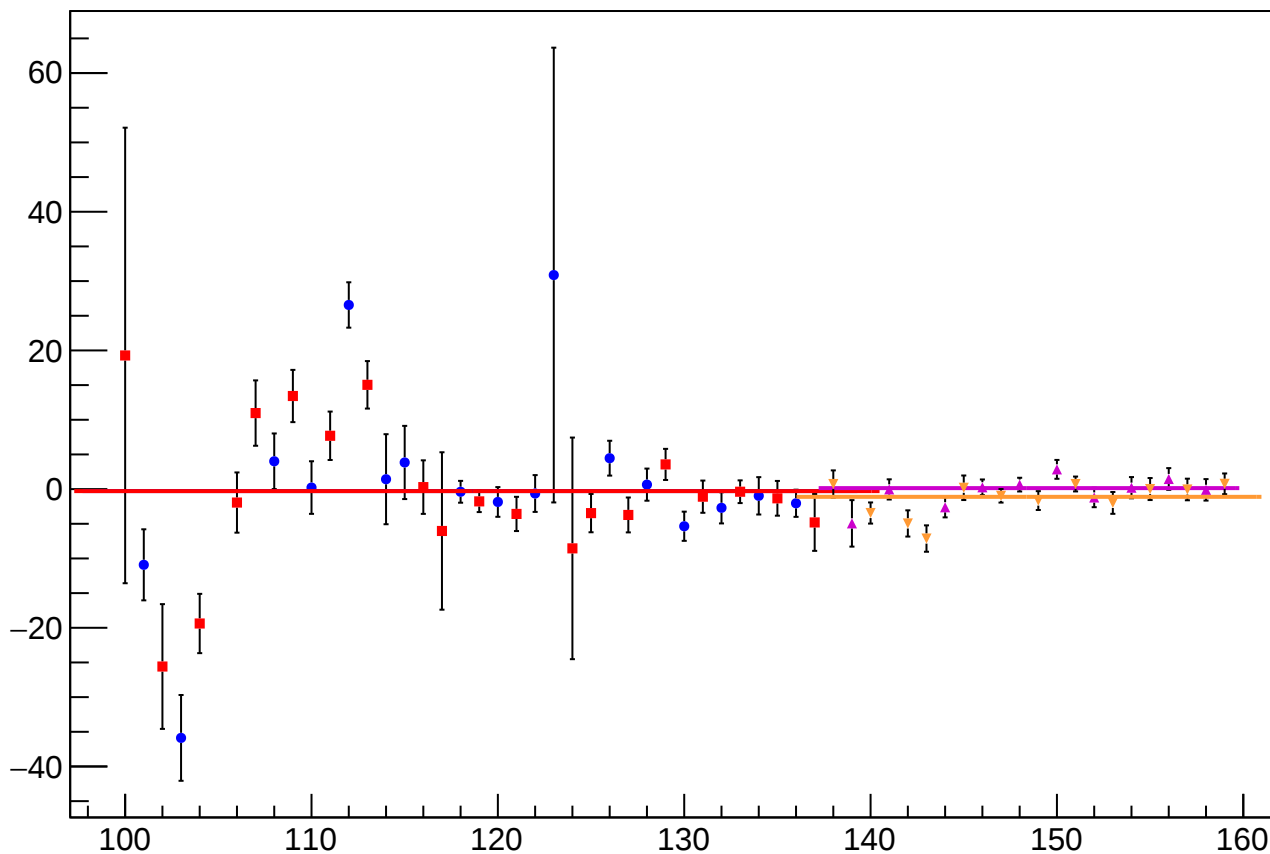


Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 14.959 $\pm$ 0.617 χ^2/NDF :308.3/11
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 10.985 $\pm$ 0.644 χ^2/NDF :26.7/9

14.959 $\pm$ 0.617 χ^2/NDF : 308.3/11

10.985 $\pm$ 0.644 χ^2/NDF : 26.7/9

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -1.114 ± 0.419 χ^2/NDF : 23.9/11

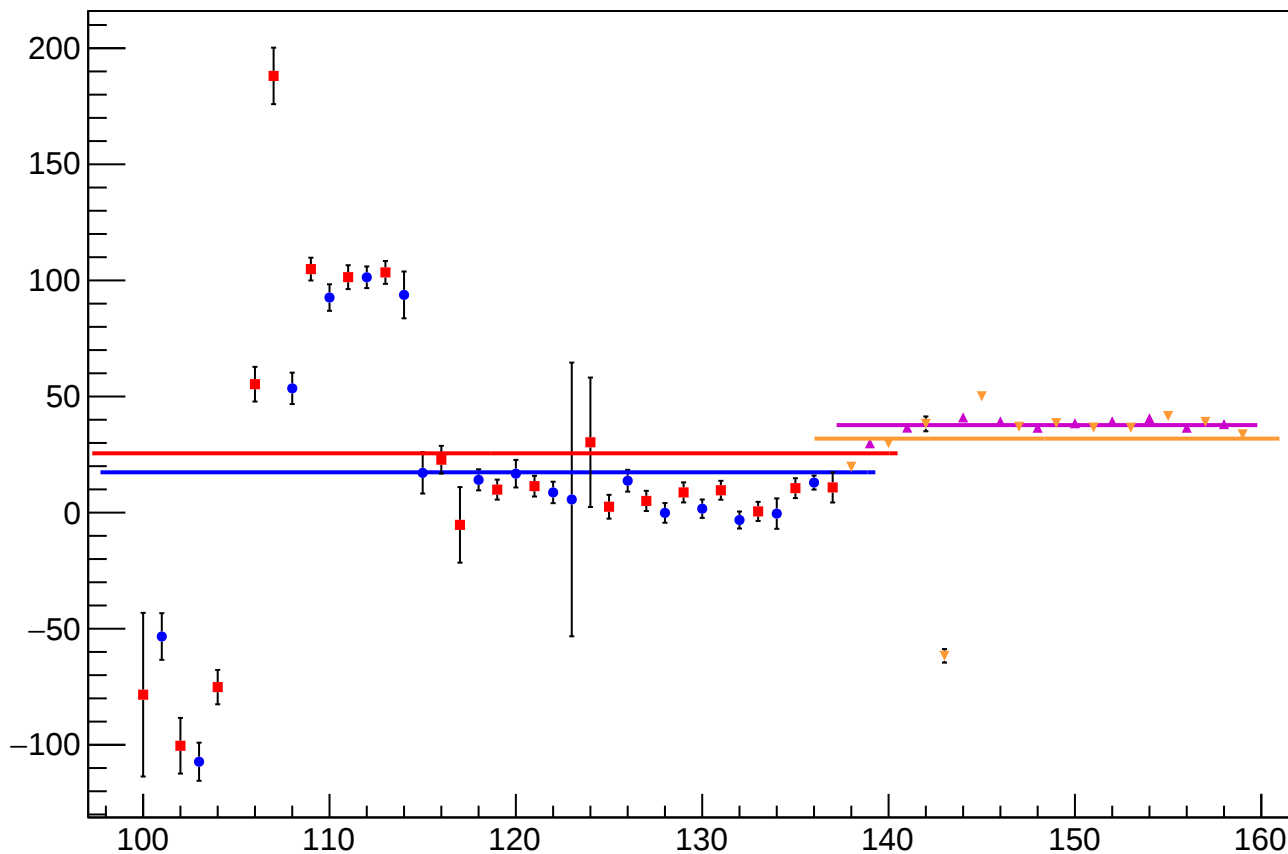
Right Out: -0.289 ± 0.655 χ^2/NDF : 83.4/19

Left In: 0.143 ± 0.441 χ^2/NDF : 11.8/9

-0.875 ± 0.354 χ^2/NDF : 144.6/28

0.008 ± 0.366 χ^2/NDF : 95.5/29

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361 ± 1.247 $\chi^2/\text{NDF}: 943.0/16$

Left Out: 31.872 ± 0.606 $\chi^2/\text{NDF}: 1200.0/11$

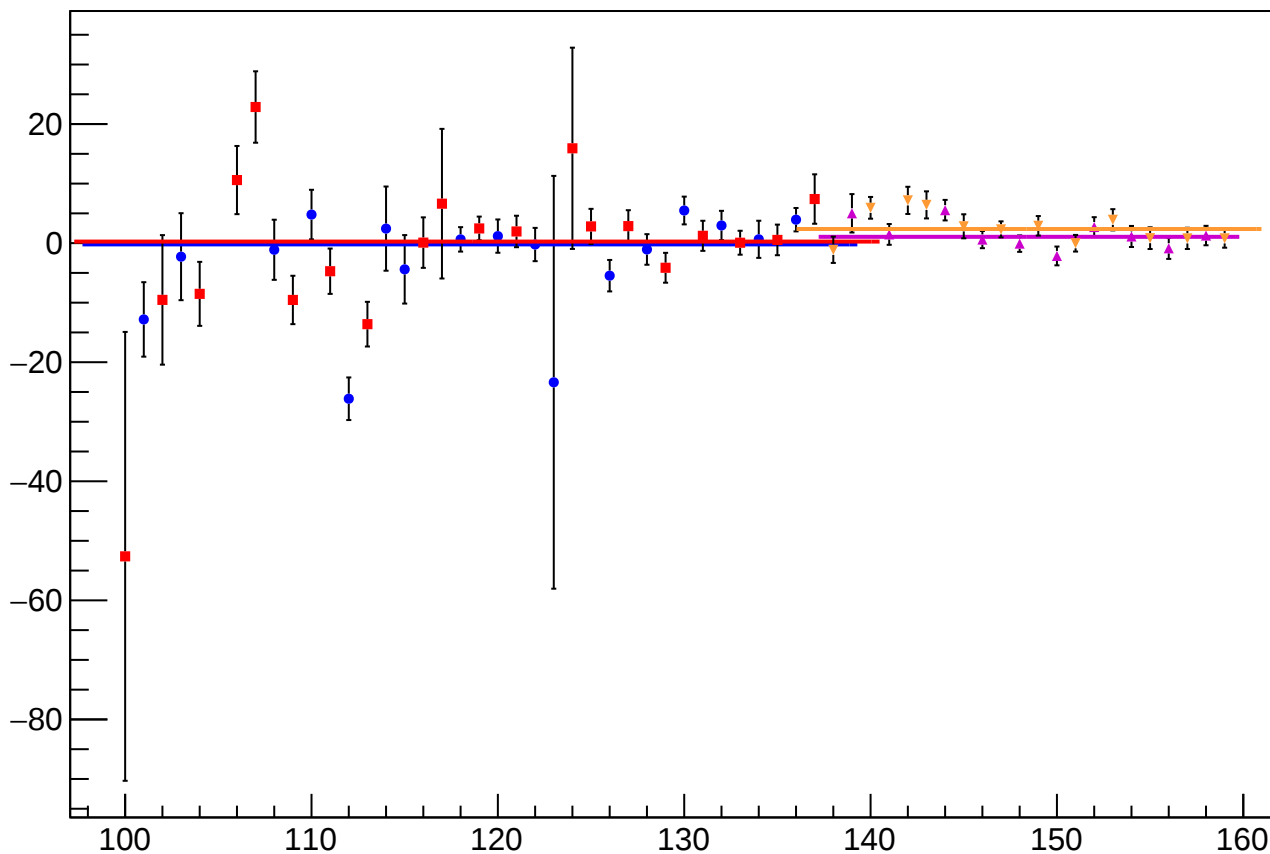
Right Out: 25.537 ± 1.239 $\chi^2/\text{NDF}: 1382.4/19$

Left In: 37.692 ± 0.629 $\chi^2/\text{NDF}: 21.9/9$

29.099 ± 0.545 $\chi^2/\text{NDF}: 2252.5/28$

35.205 ± 0.561 $\chi^2/\text{NDF}: 1480.9/29$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.375 ± 0.506 χ^2/NDF : 20.2/11

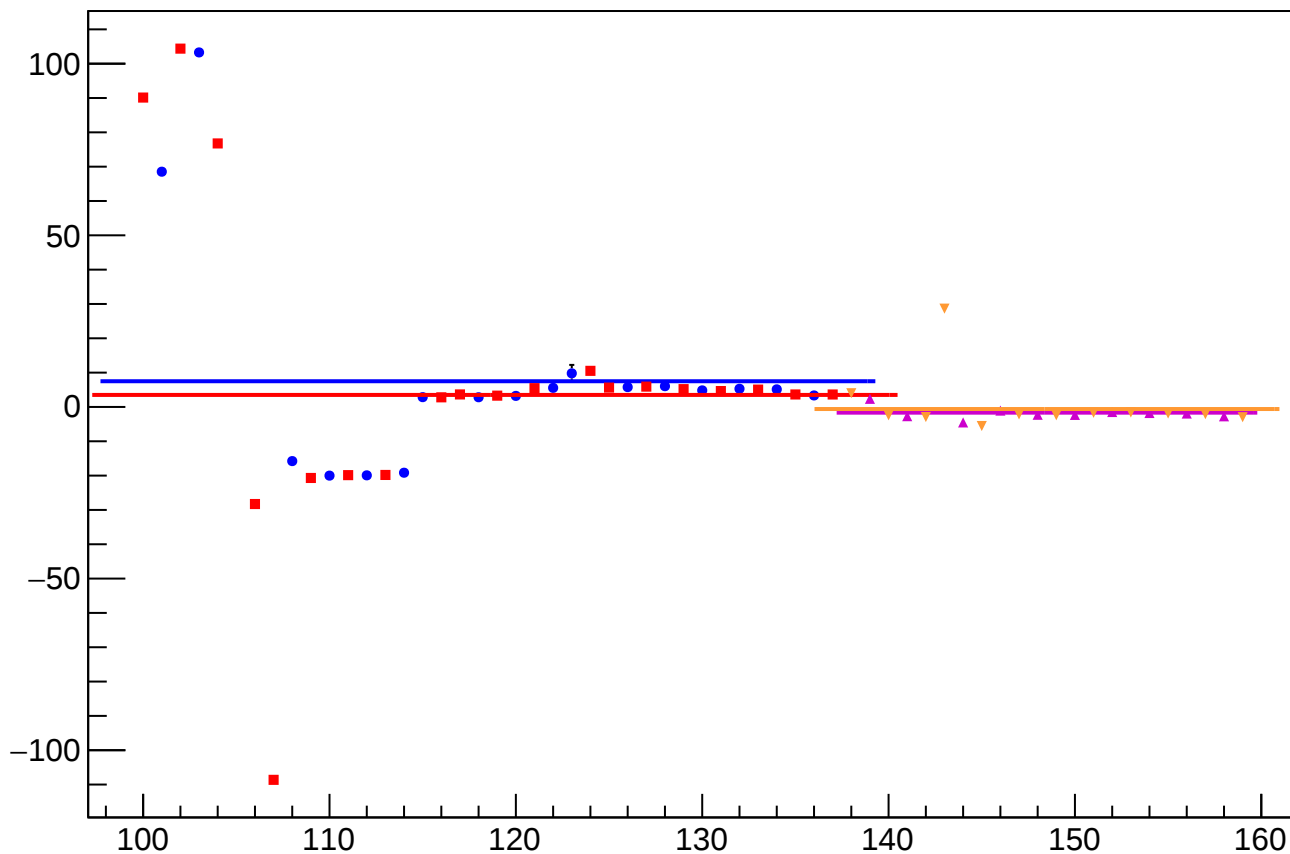
Right Out: 0.262 ± 0.747 χ^2/NDF : 54.8/19

Left In: 1.061 ± 0.532 χ^2/NDF : 15.4/9

1.569 ± 0.420 χ^2/NDF : 104.3/28

0.792 ± 0.433 χ^2/NDF : 70.9/29

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492 $\pm$ 0.045 χ^2 /NDF: 355979.0/16

Left Out: -0.605 $\pm$ 0.024 χ^2 /NDF: 73108.6/11

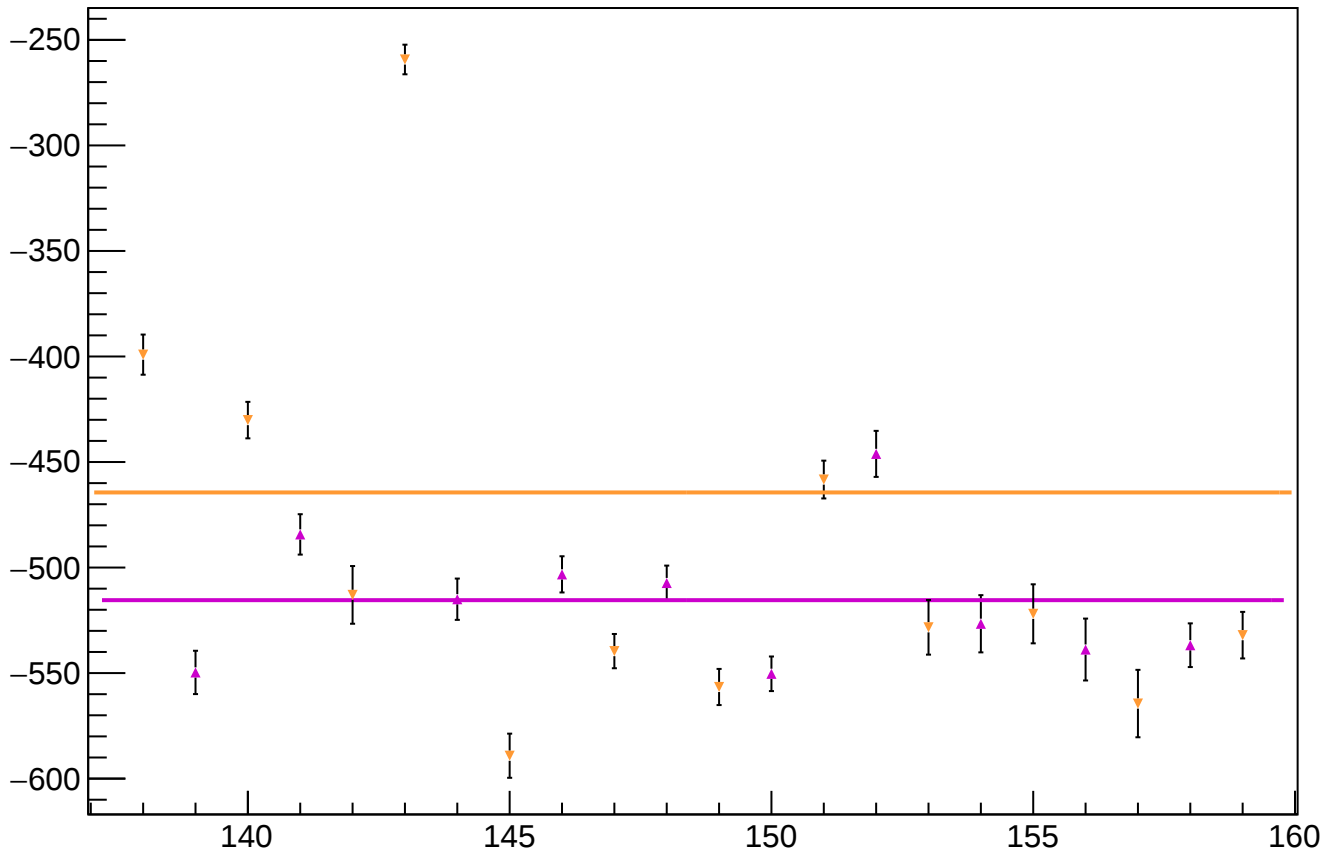
Right Out: 3.504 $\pm$ 0.046 χ^2 /NDF: 510579.5/19

Left In: -1.662 $\pm$ 0.025 χ^2 /NDF: 4634.0/9

1.176 $\pm$ 0.021 χ^2 /NDF: 454758.2/28

-0.499 $\pm$ 0.022 χ^2 /NDF: 525186.7/29

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -464.414+/-2.843 χ^2/NDF :1392.2/11

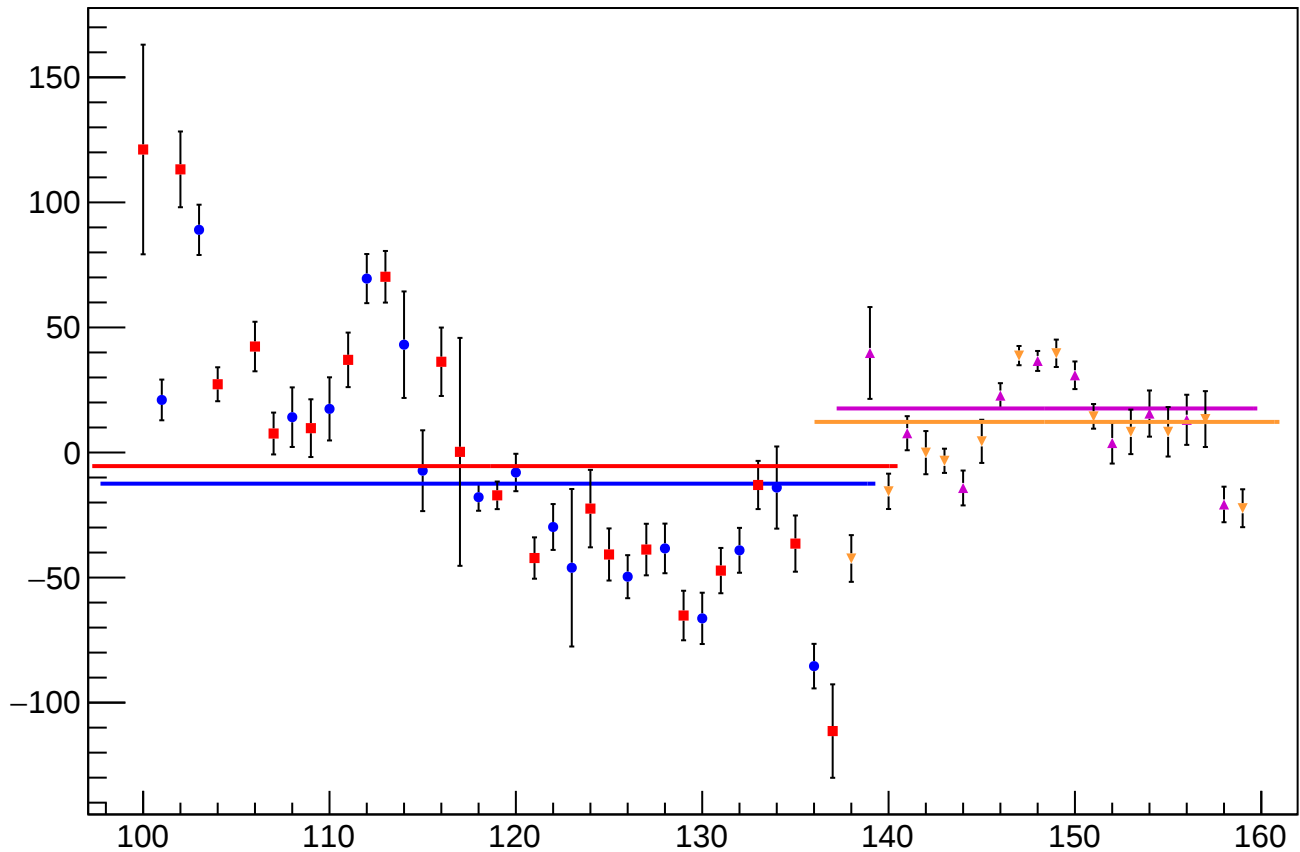
-464.414+/-2.843 χ^2/NDF : 1392.2/11

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

Left In: -515.450+/-3.133 χ^2/NDF :90.7/9

-515.450+/-3.133 χ^2/NDF : 90.7/9

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 12.237 ± 1.852 χ^2/NDF : 156.7/11

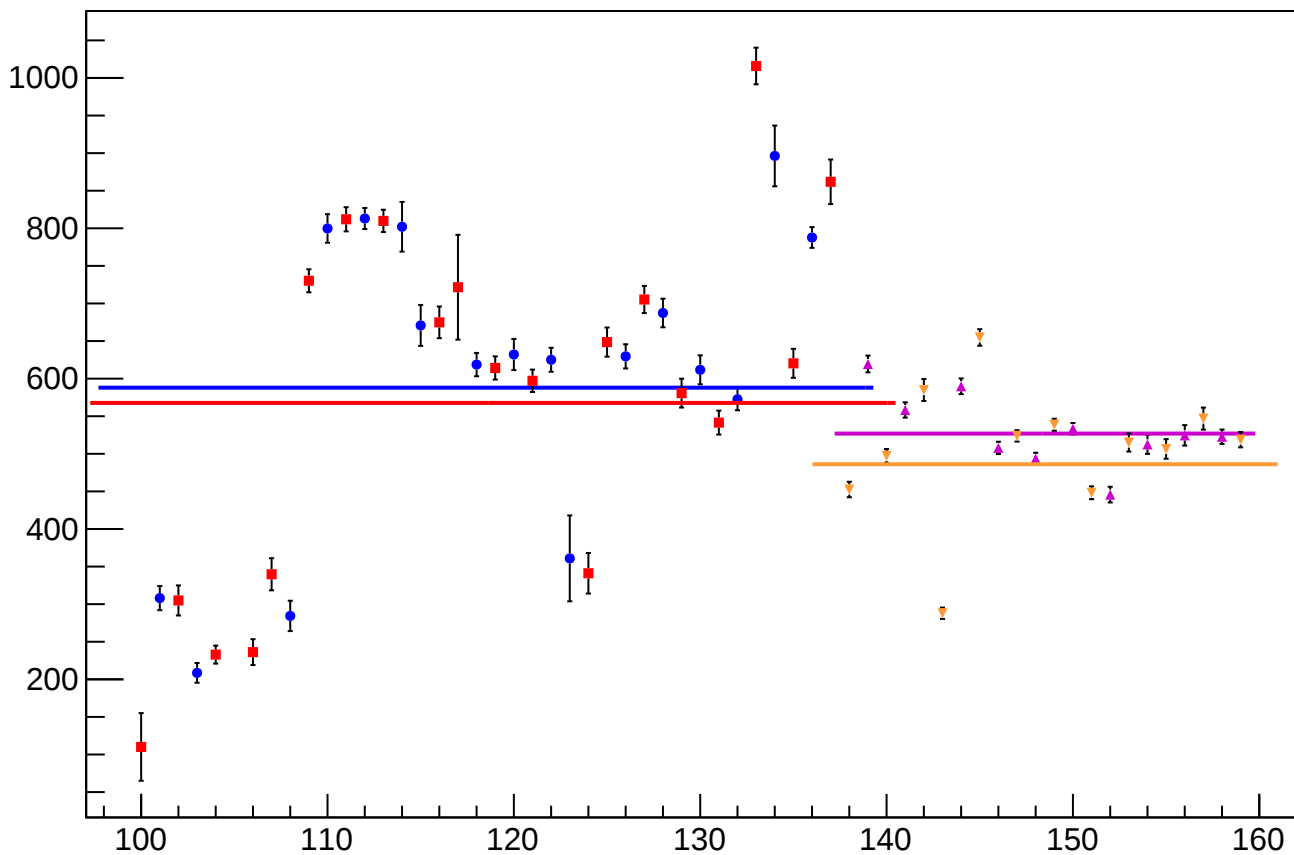
Right Out: -5.439 ± 2.256 χ^2/NDF : 345.0/19

Left In: 17.611 ± 2.053 χ^2/NDF : 86.1/9

2.767 ± 1.454 χ^2/NDF : 565.9/28

7.171 ± 1.518 χ^2/NDF : 488.2/29

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994 ± 4.353 χ^2/NDF : 2129.6/16

Left Out: 486.125 ± 2.821 χ^2/NDF : 1115.5/11

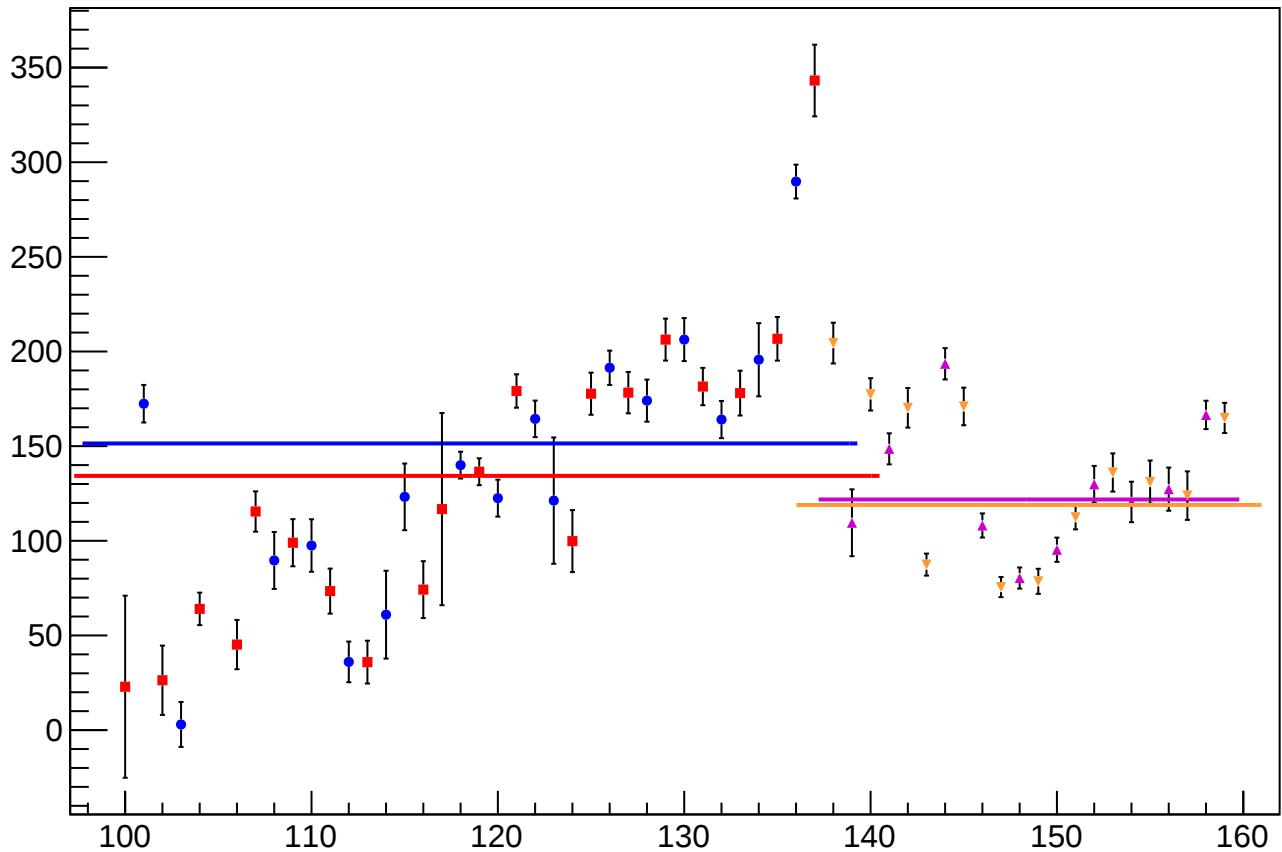
Right Out: 567.720 ± 4.129 χ^2/NDF : 2788.1/19

Left In: 526.916 ± 3.051 χ^2/NDF : 201.5/9

516.250 ± 2.367 χ^2/NDF : 3630.8/28

541.331 ± 2.454 χ^2/NDF : 3052.8/29

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421+/-2.709 χ^2/NDF : 633.3/16

Left Out: 118.937+/-2.274 χ^2/NDF : 333.4/11

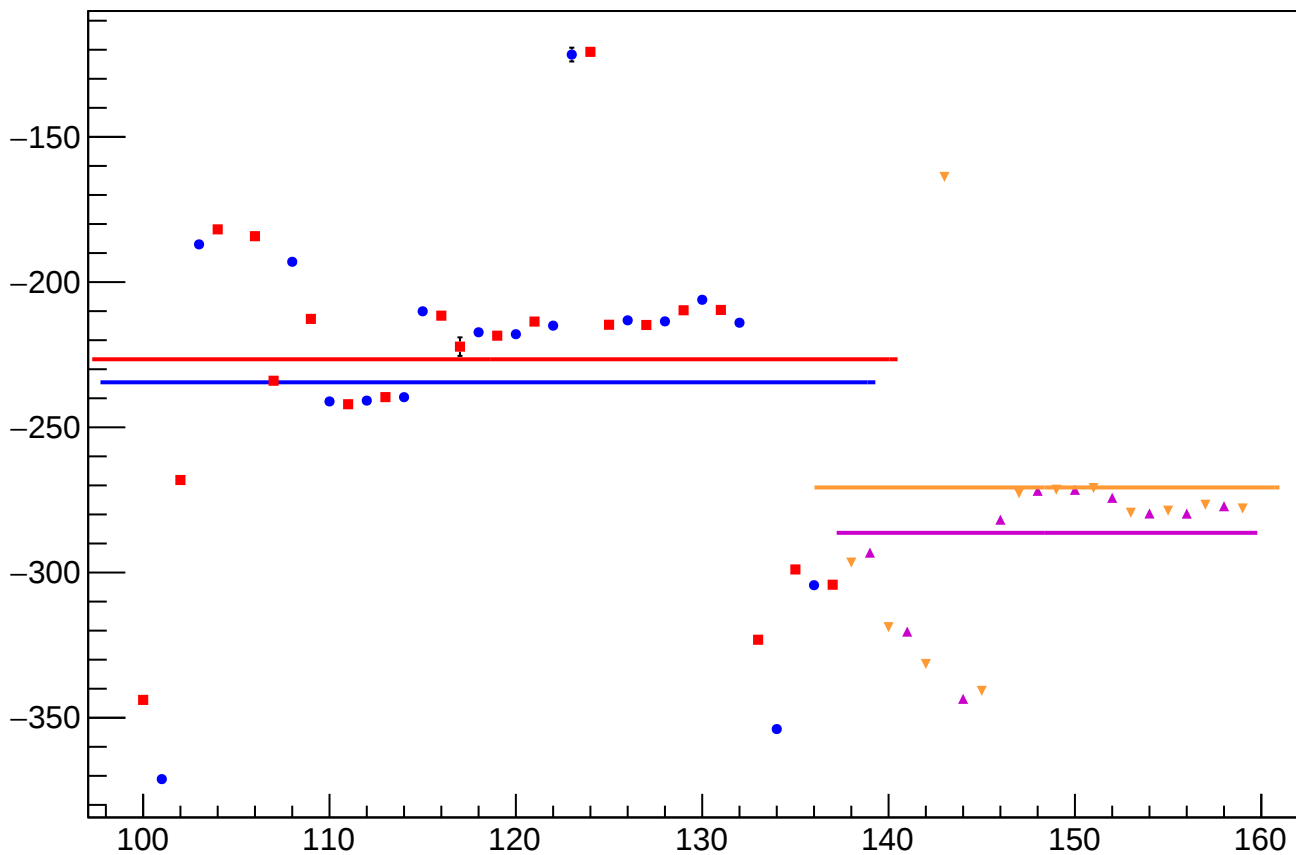
Right Out: 134.299+/-2.612 χ^2/NDF : 585.0/19

Left In: 121.831+/-2.511 χ^2/NDF : 199.7/9

132.367+/-1.742 χ^2/NDF : 1051.0/28

127.820+/-1.810 χ^2/NDF : 796.6/29

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501+/-0.149 χ^2/NDF : 145046.5/16

Left Out: -270.705+/-0.114 χ^2/NDF : 182670.2/11

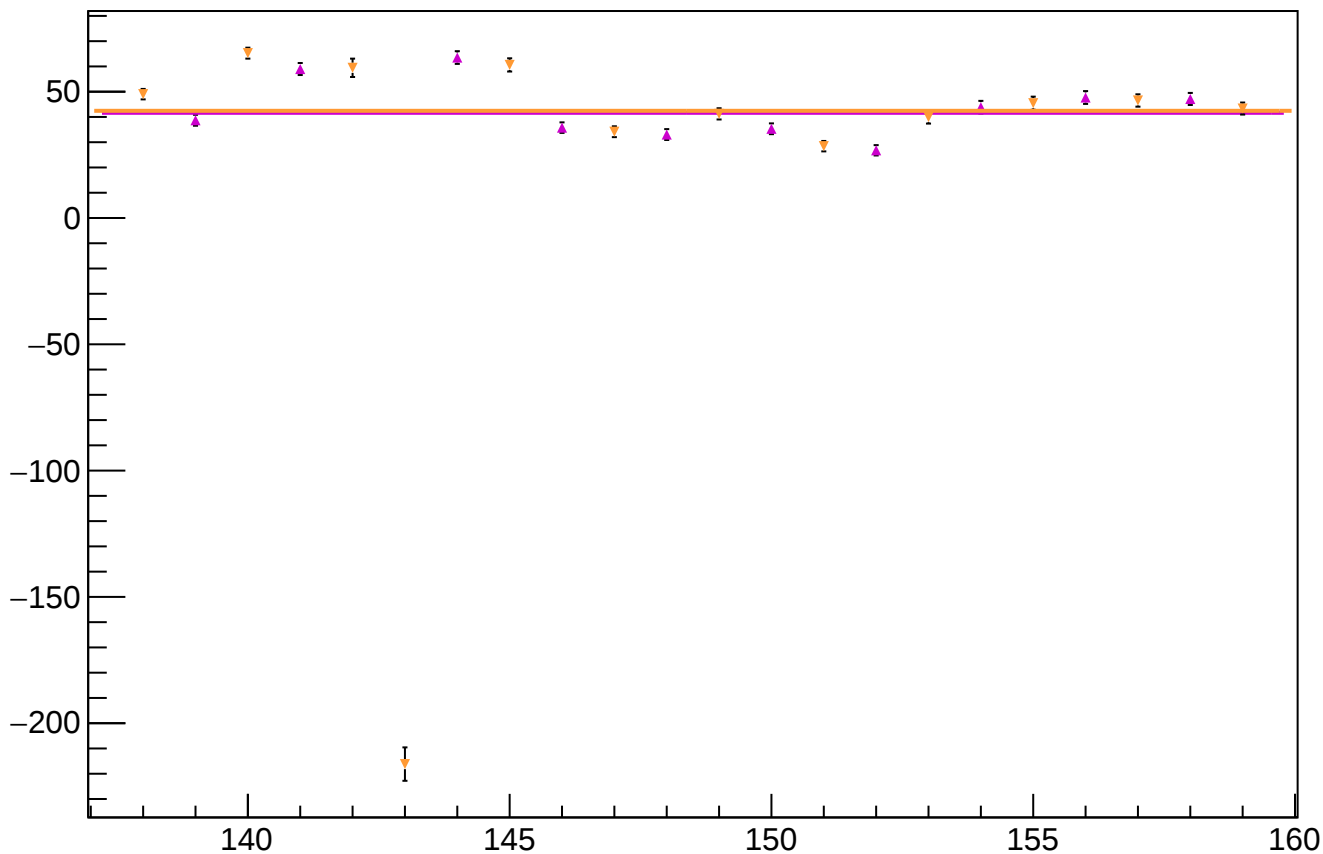
Right Out: -226.572+/-0.141 χ^2/NDF : 98970.7/19

Left In: -286.325+/-0.122 χ^2/NDF : 28820.5/9

-257.293+/-0.091 χ^2/NDF : 364869.8/28

-260.768+/-0.092 χ^2/NDF : 230174.4/29

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 42.434+/-0.709 χ^2/NDF :1786.7/11

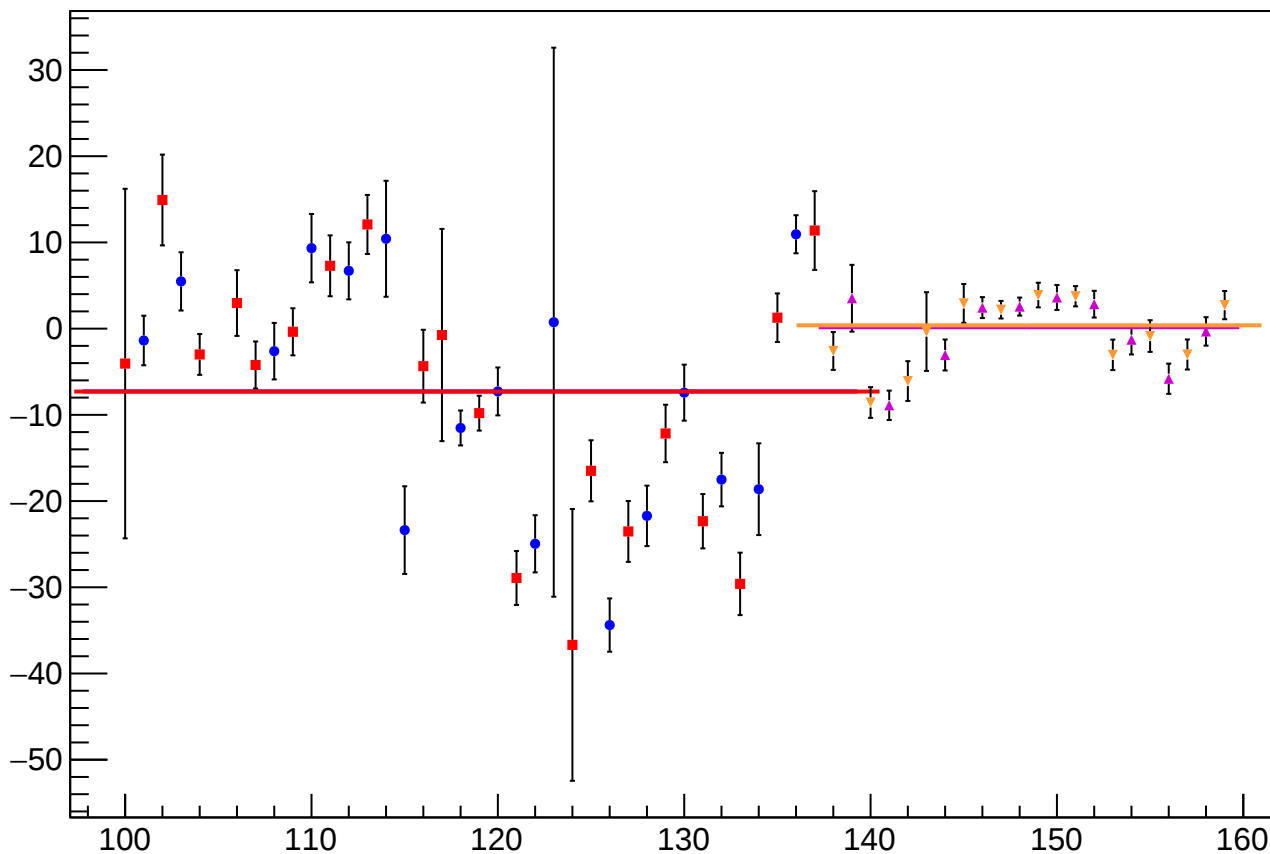
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 41.644+/-0.718 χ^2/NDF :227.6/9

42.434+/-0.709 χ^2/NDF : 1786.7/11

41.644+/-0.718 χ^2/NDF : 227.6/9

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: 0.385 ± 0.474 χ^2/NDF : 63.6/11

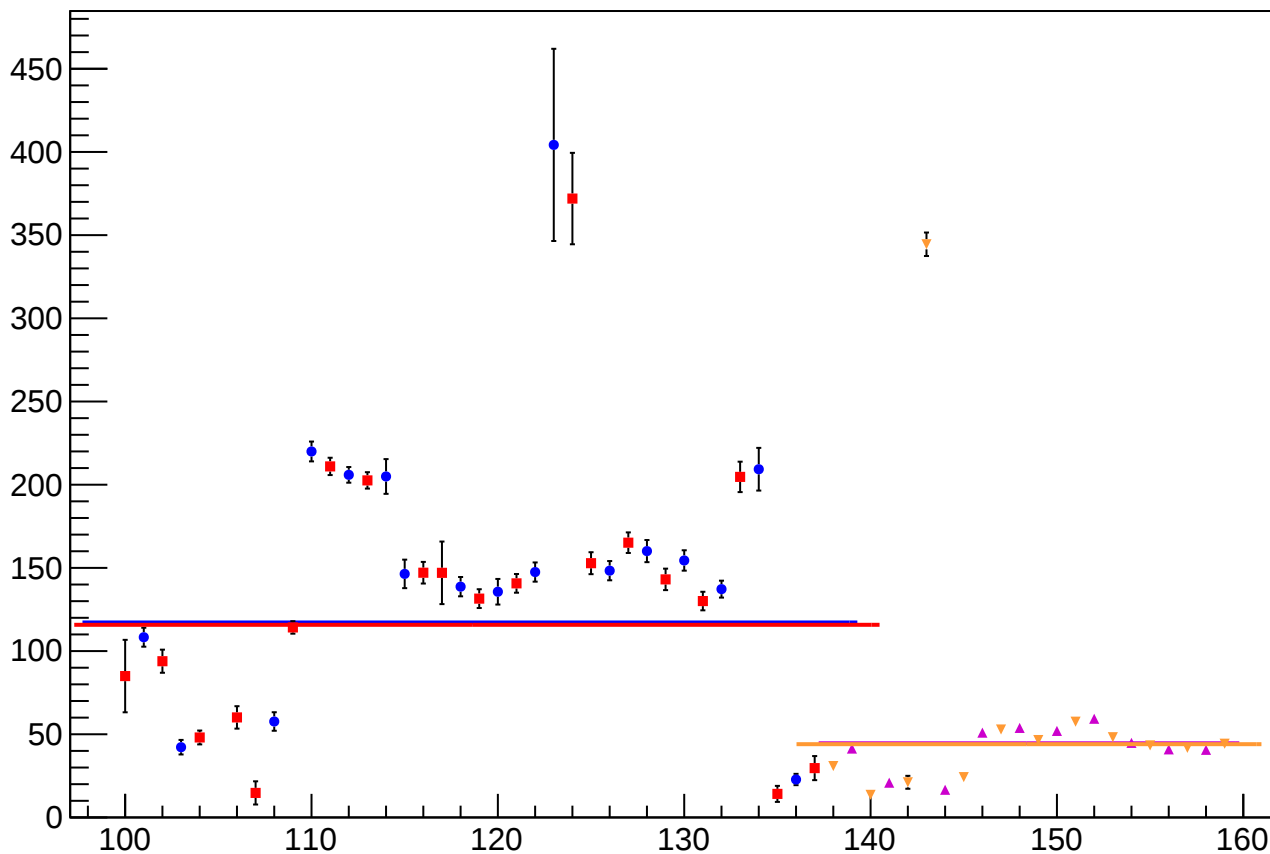
Right Out: -7.298 ± 0.759 χ^2/NDF : 255.6/19

Left In: 0.161 ± 0.486 χ^2/NDF : 62.0/9

-1.653 ± 0.406 χ^2/NDF : 416.3/28

-2.004 ± 0.409 χ^2/NDF : 386.1/29

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187 ± 1.416 χ^2/NDF : 2161.0/16

Left Out: 44.041 ± 0.691 χ^2/NDF : 2179.8/11

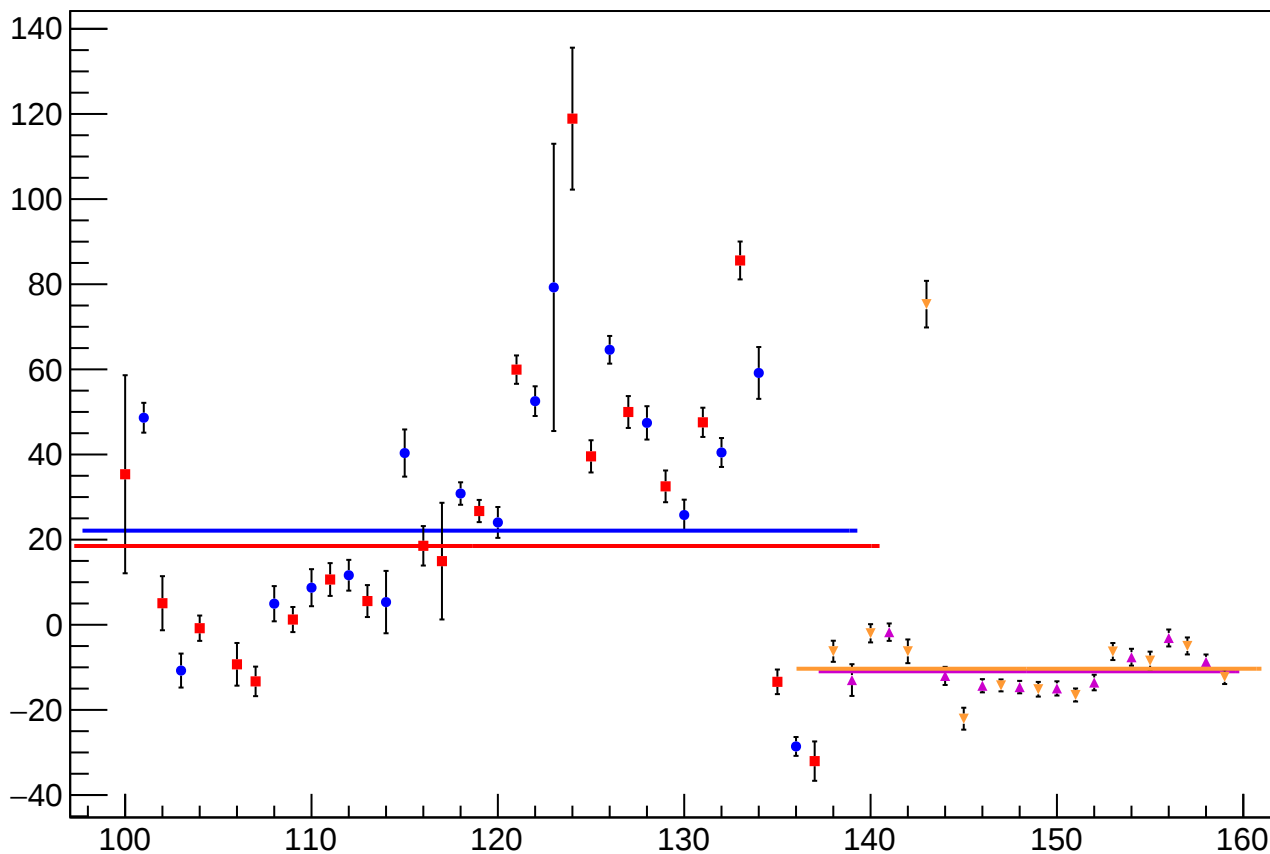
Right Out: 115.795 ± 1.357 χ^2/NDF : 2140.4/19

Left In: 44.595 ± 0.698 χ^2/NDF : 304.7/9

58.116 ± 0.621 χ^2/NDF : 6494.7/28

59.472 ± 0.621 χ^2/NDF : 4621.3/29

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 $\pm$ 0.898 χ^2/NDF : 1070.3/16

Left Out: -10.328 $\pm$ 0.575 χ^2/NDF : 330.5/11

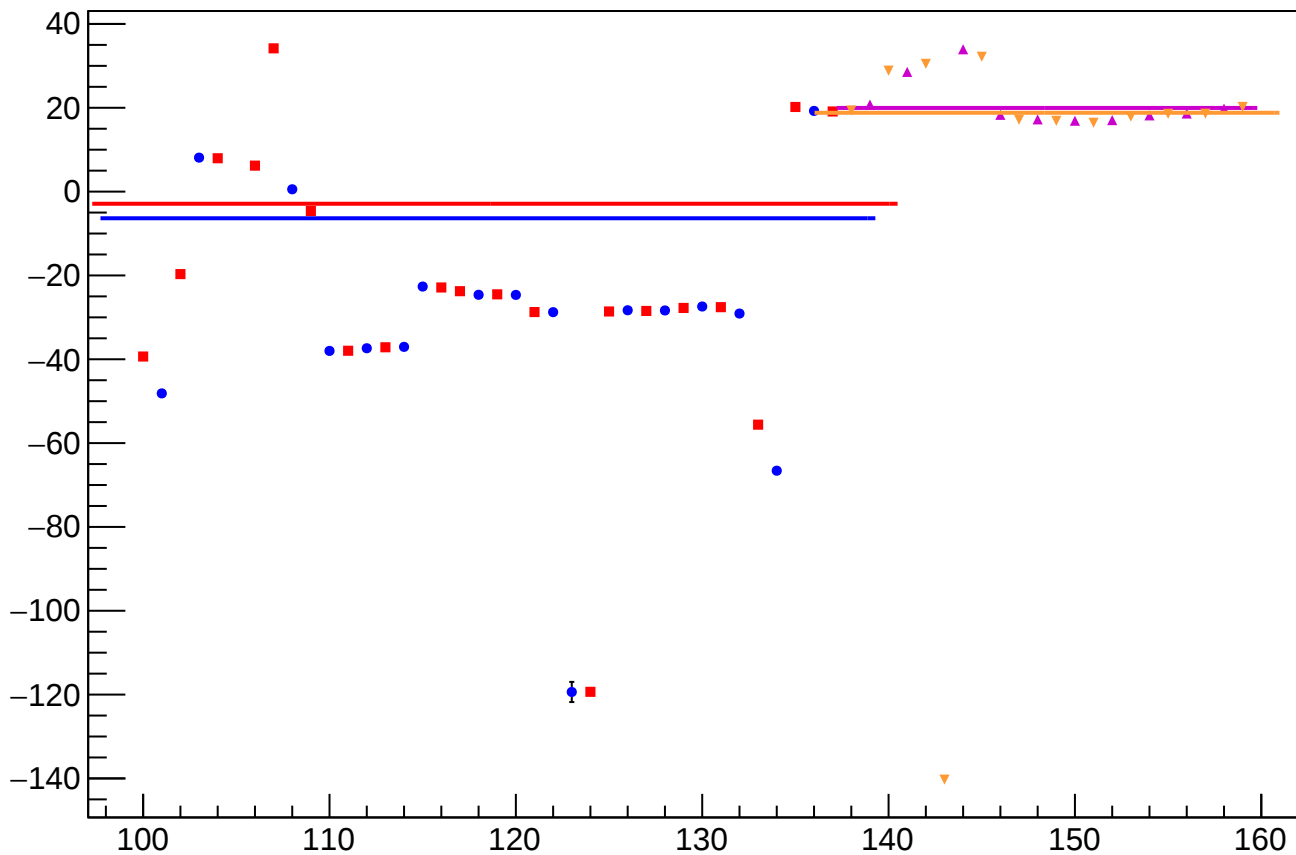
Right Out: 18.506 $\pm$ 0.869 χ^2/NDF : 1068.6/19

Left In: -10.930 $\pm$ 0.587 χ^2/NDF : 59.6/9

-0.896 $\pm$ 0.484 χ^2/NDF : 2325.9/28

-1.720 $\pm$ 0.486 χ^2/NDF : 1915.9/29

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 18.806 ± 0.027 $\chi^2/\text{NDF}: 348909.7/11$

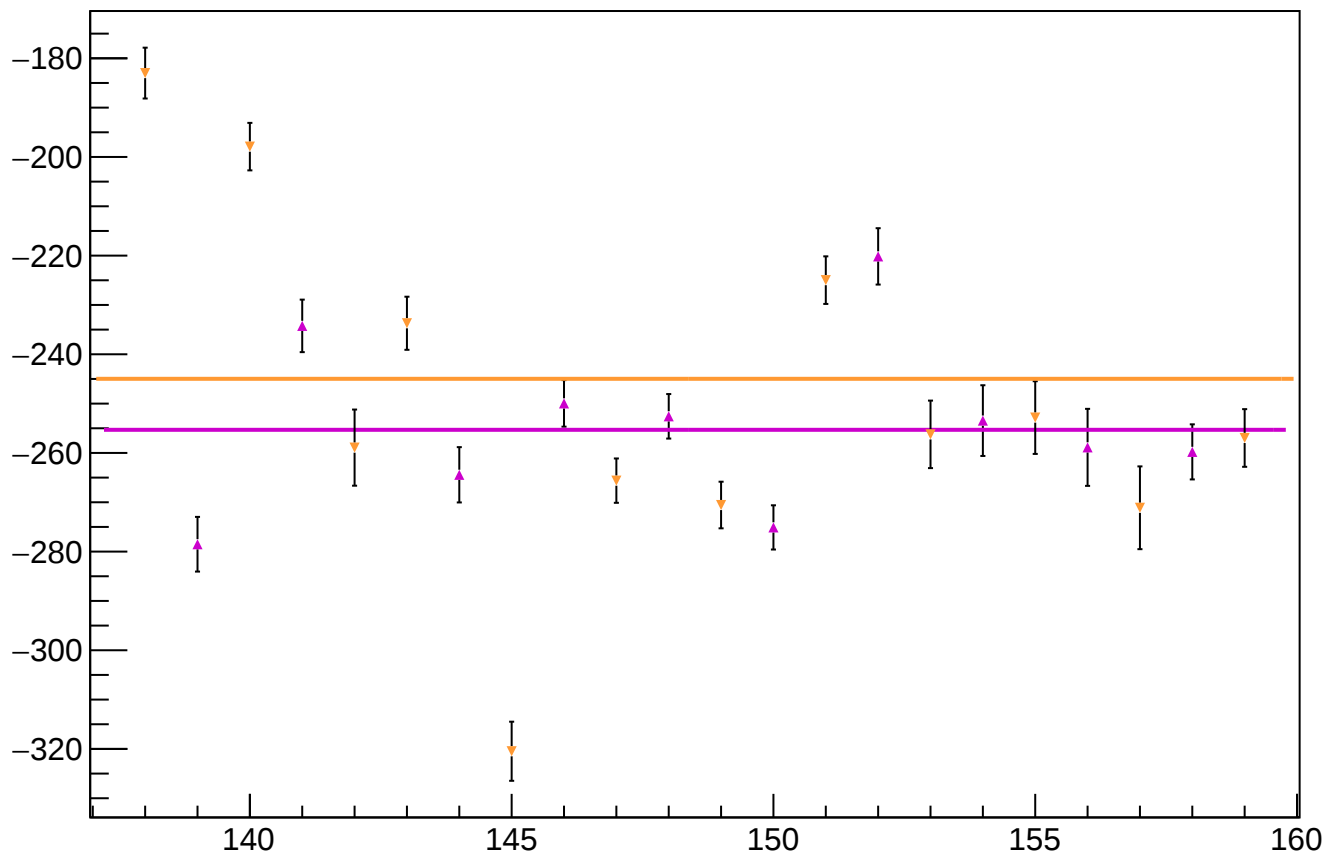
Right Out: -2.896 ± 0.046 $\chi^2/\text{NDF}: 266162.6/19$

Left In: 19.962 ± 0.027 $\chi^2/\text{NDF}: 26106.9/9$

12.377 ± 0.023 $\chi^2/\text{NDF}: 833498.7/28$

13.951 ± 0.023 $\chi^2/\text{NDF}: 476806.5/29$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -244.972+/-1.621 χ^2/NDF : 492.1/11

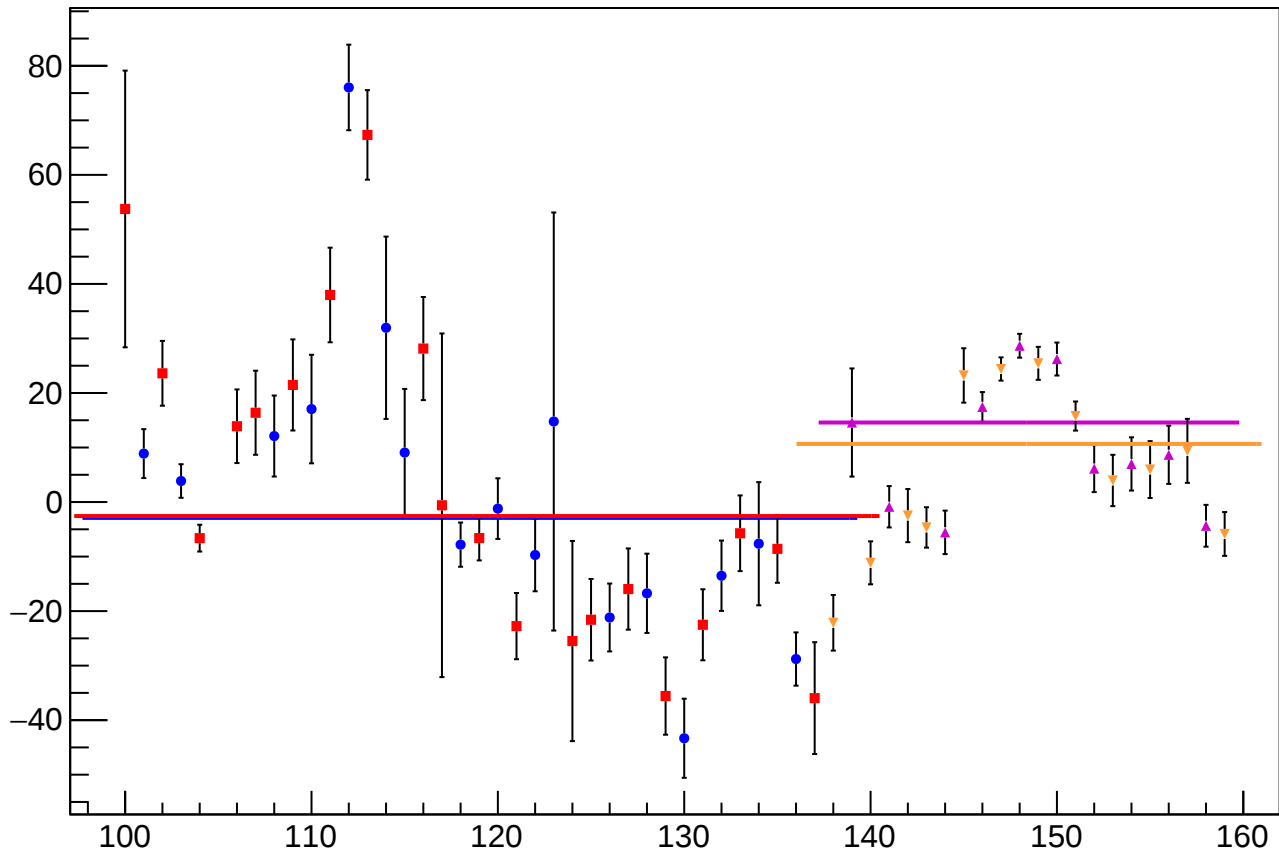
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -255.312+/-1.710 χ^2/NDF : 95.7/9

-244.972+/-1.621 χ^2/NDF : 492.1/11

-255.312+/-1.710 χ^2/NDF : 95.7/9

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 10.658 ± 1.053 χ^2/NDF : 191.6/11

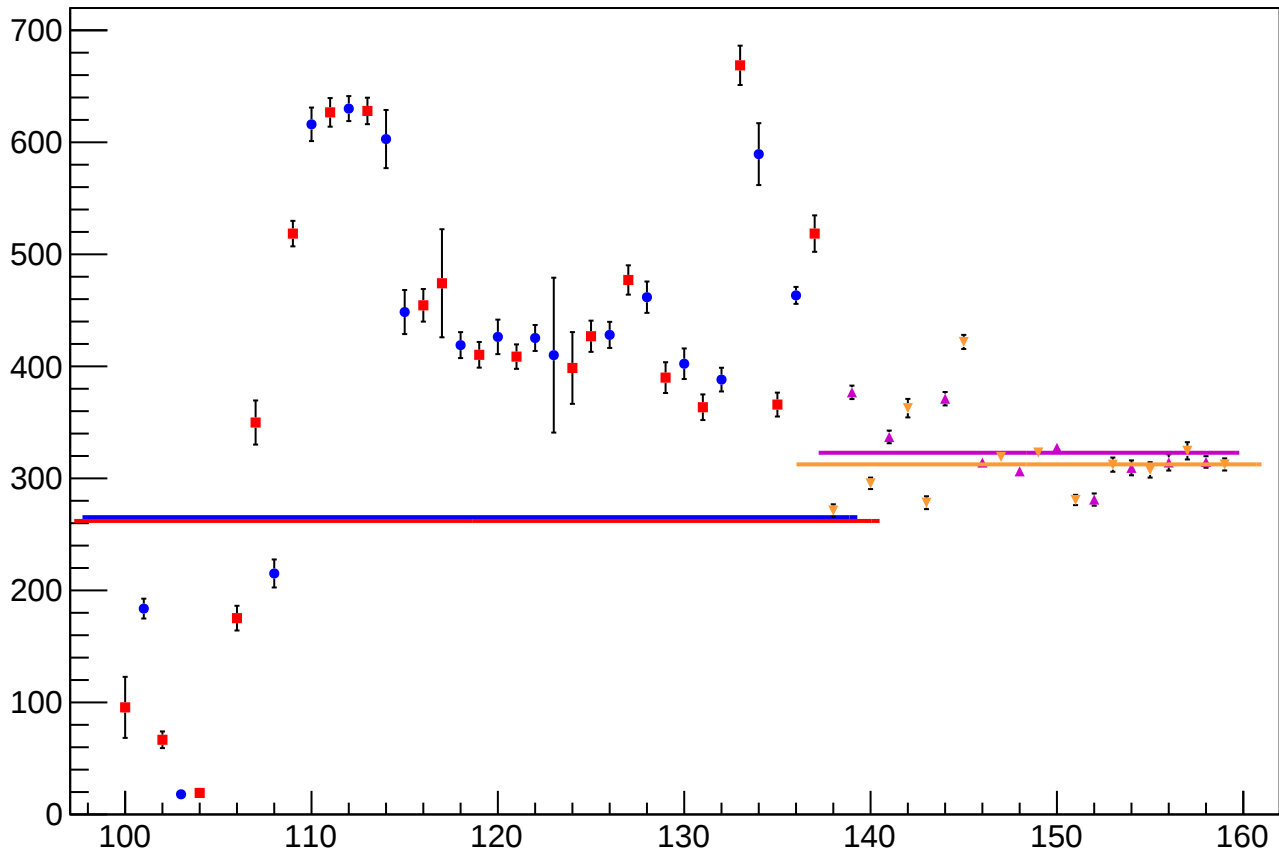
Right Out: -2.566 ± 1.395 χ^2/NDF : 218.2/19

Left In: 14.584 ± 1.121 χ^2/NDF : 131.4/9

6.045 ± 0.856 χ^2/NDF : 451.5/28

7.852 ± 0.874 χ^2/NDF : 441.4/29

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 ± 2.488 $\chi^2/\text{NDF}: 7633.8/16$

Left Out: 312.510 ± 1.596 $\chi^2/\text{NDF}: 498.5/11$

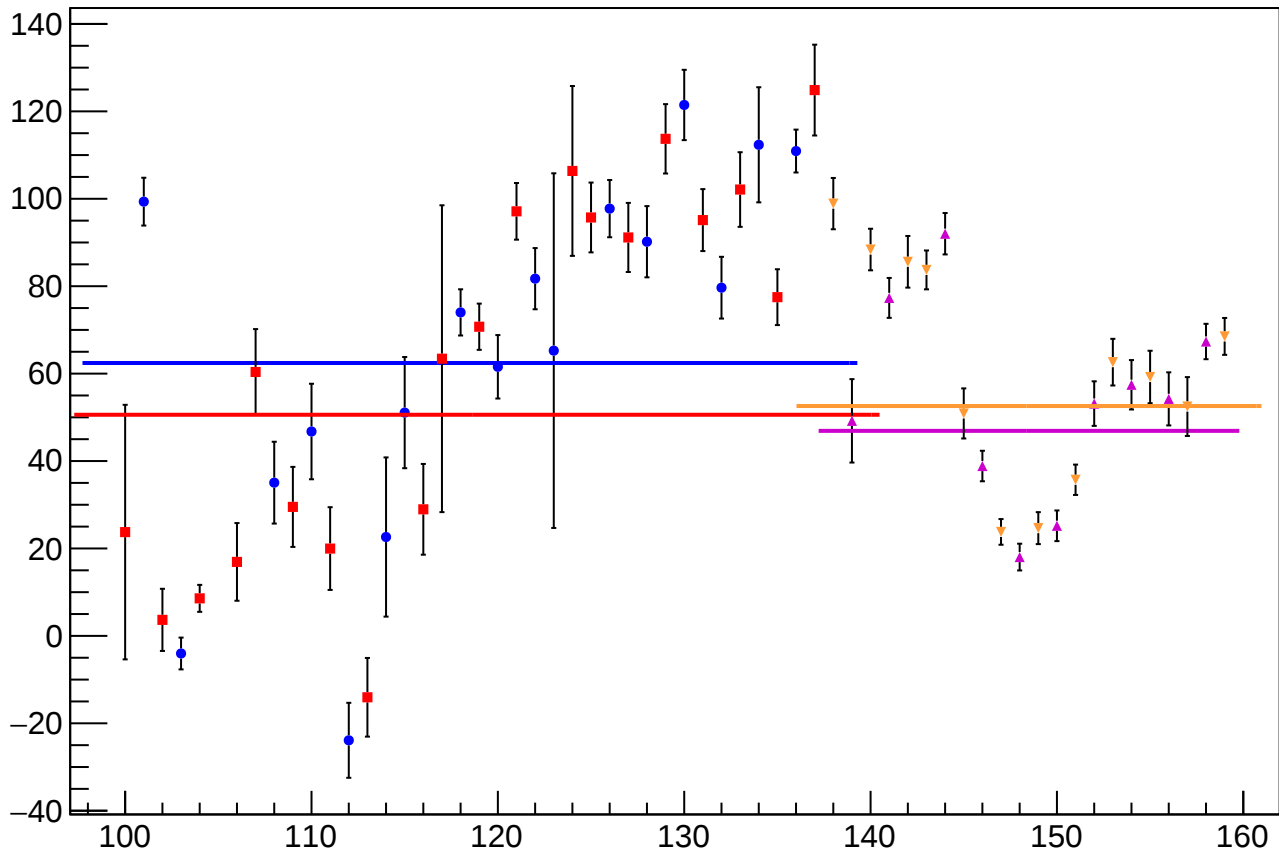
Right Out: 262.016 ± 2.455 $\chi^2/\text{NDF}: 8223.7/19$

Left In: 322.872 ± 1.663 $\chi^2/\text{NDF}: 238.1/9$

298.764 ± 1.344 $\chi^2/\text{NDF}: 8386.6/28$

303.724 ± 1.377 $\chi^2/\text{NDF}: 8883.0/29$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434 ± 1.694 χ^2/NDF : 721.8/16

Left Out: 52.585 ± 1.294 χ^2/NDF : 396.3/11

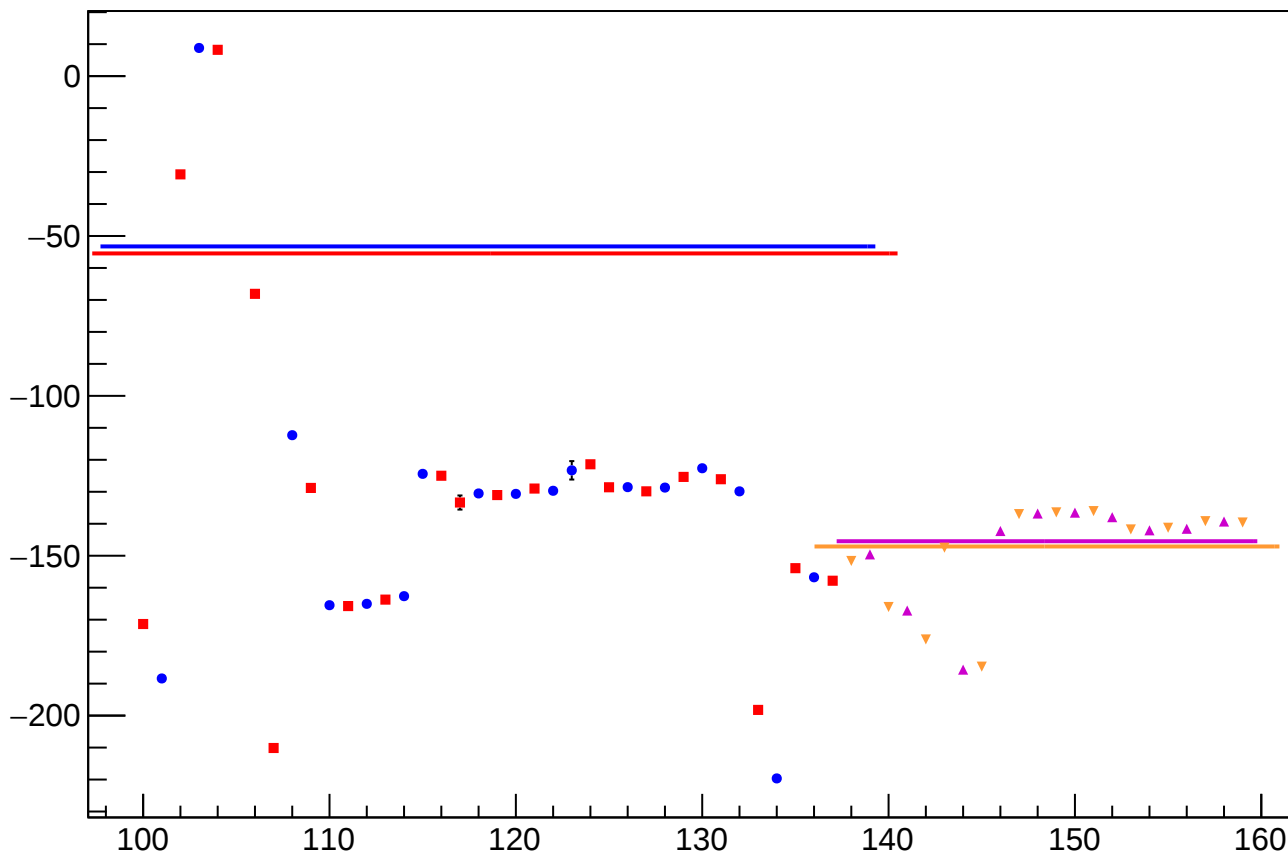
Right Out: 50.588 ± 1.640 χ^2/NDF : 657.5/19

Left In: 46.906 ± 1.371 χ^2/NDF : 299.8/9

56.214 ± 1.028 χ^2/NDF : 1139.4/28

48.421 ± 1.052 χ^2/NDF : 960.3/29

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -147.107 $\pm$ 0.065 χ^2 /NDF: 50444.0/11

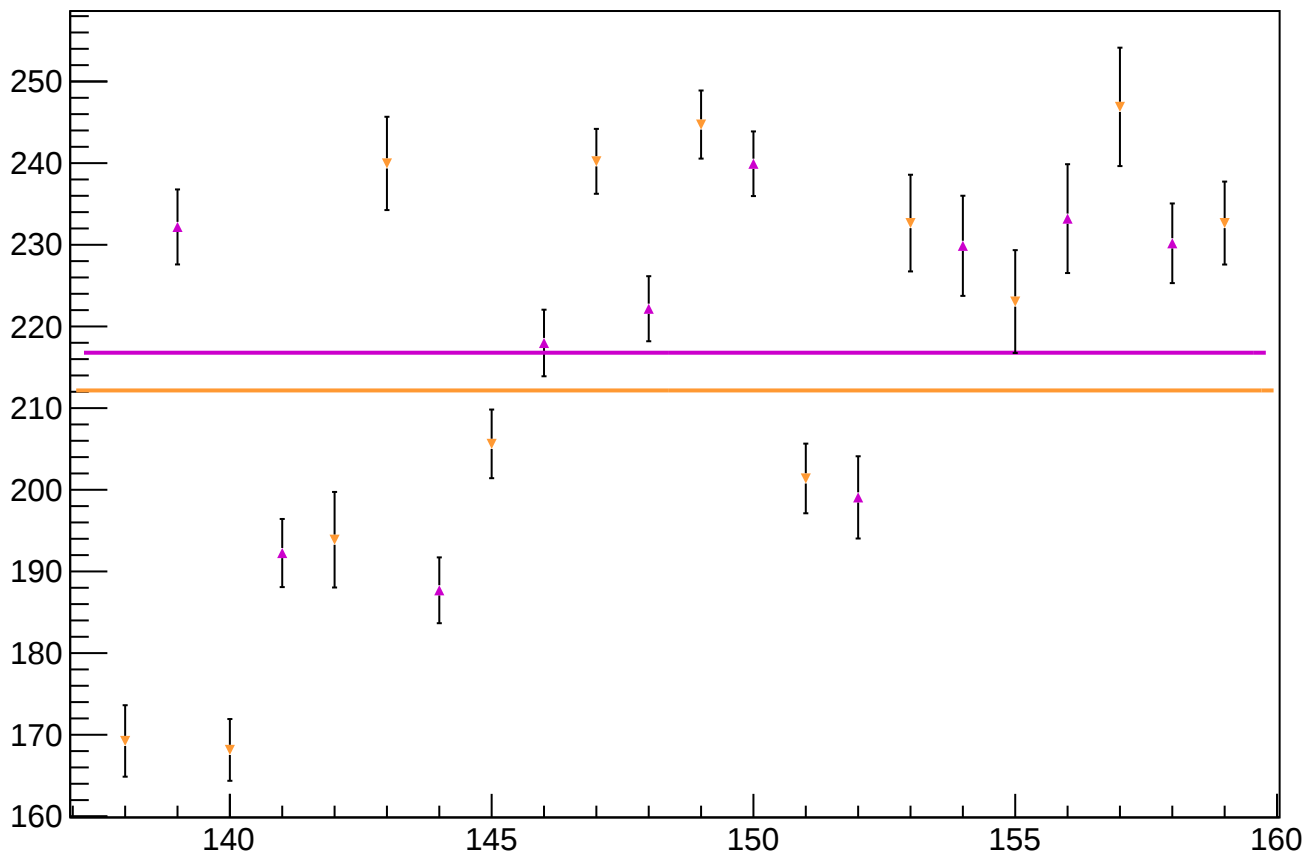
Right Out: -55.455 $\pm$ 0.072 χ^2 /NDF: 968274.5/19

Left In: -145.465 $\pm$ 0.066 χ^2 /NDF: 40543.0/9

-104.280 $\pm$ 0.048 χ^2 /NDF: 2241590.4/28

-104.054 $\pm$ 0.049 χ^2 /NDF: 1854687.1/29

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 212.164+/-1.379 χ^2/NDF : 438.9/11

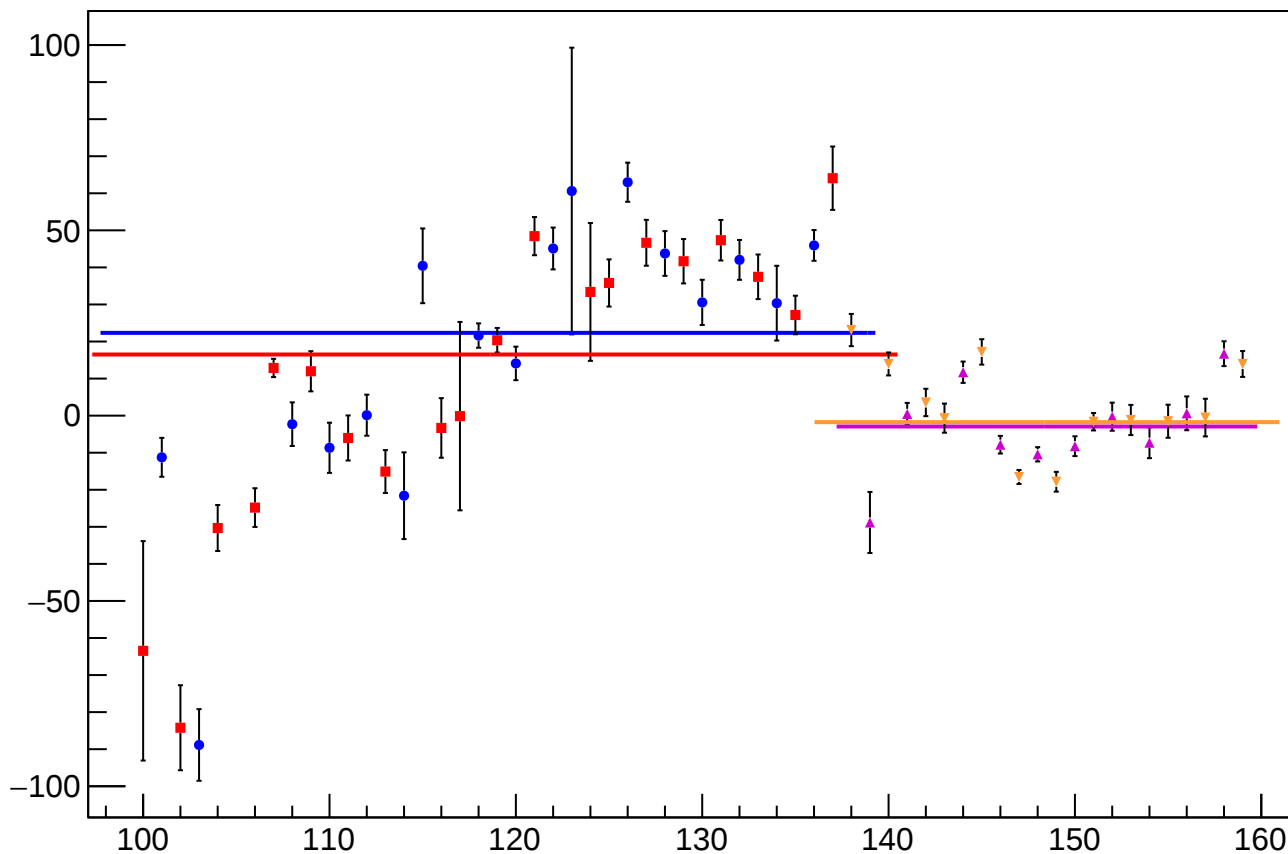
212.164+/-1.379 χ^2/NDF : 438.9/11

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

216.784+/-1.437 χ^2/NDF : 164.6/9

Left In: 216.784+/-1.437 χ^2/NDF : 164.6/9

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342+/-1.395 χ^2/NDF : 385.8/16

Left Out: -1.754+/-0.908 χ^2/NDF : 209.2/11

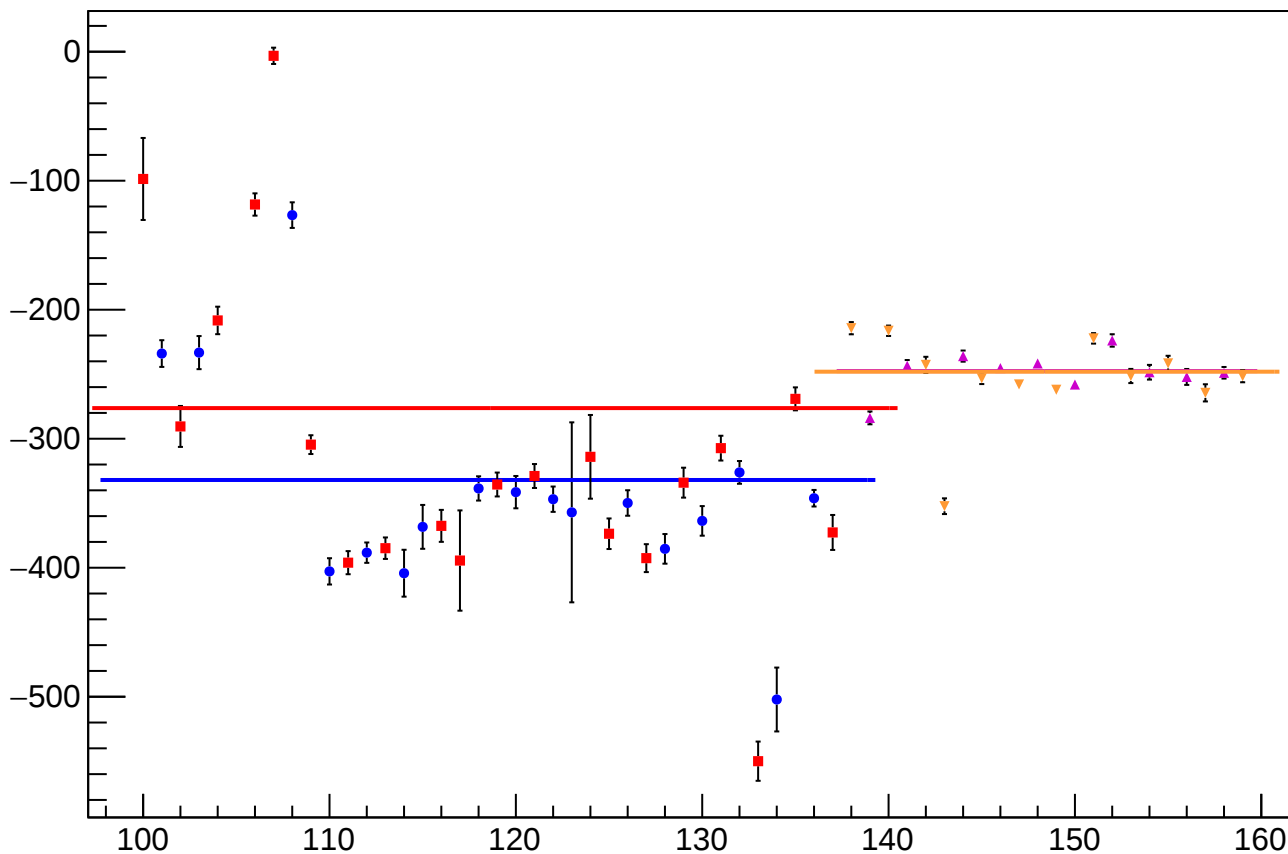
Right Out: 16.498+/-1.226 χ^2/NDF : 427.0/19

Left In: -2.928+/-0.954 χ^2/NDF : 97.0/9

5.413+/-0.761 χ^2/NDF : 804.6/28

4.404+/-0.753 χ^2/NDF : 680.3/29

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989 ± 2.580 $\chi^2/\text{NDF}: 785.0/16$

Left Out: -248.041 ± 1.364 $\chi^2/\text{NDF}: 475.7/11$

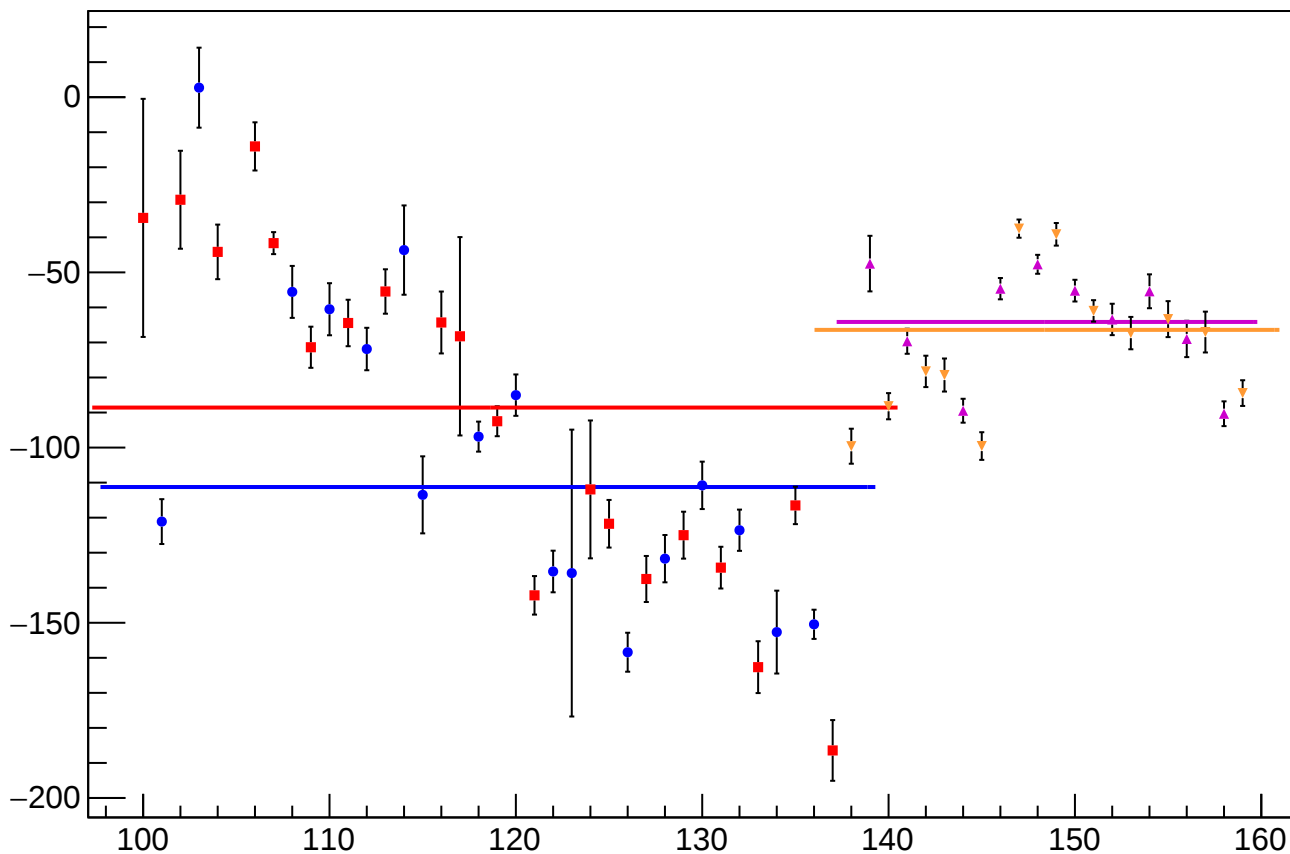
Right Out: -276.265 ± 2.320 $\chi^2/\text{NDF}: 3371.5/19$

Left In: -247.582 ± 1.407 $\chi^2/\text{NDF}: 97.0/9$

-266.377 ± 1.206 $\chi^2/\text{NDF}: 2088.0/28$

-255.296 ± 1.203 $\chi^2/\text{NDF}: 3580.2/29$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 ± 1.597 $\chi^2/\text{NDF}: 509.6/16$

Left Out: -66.409 ± 1.111 $\chi^2/\text{NDF}: 386.0/11$

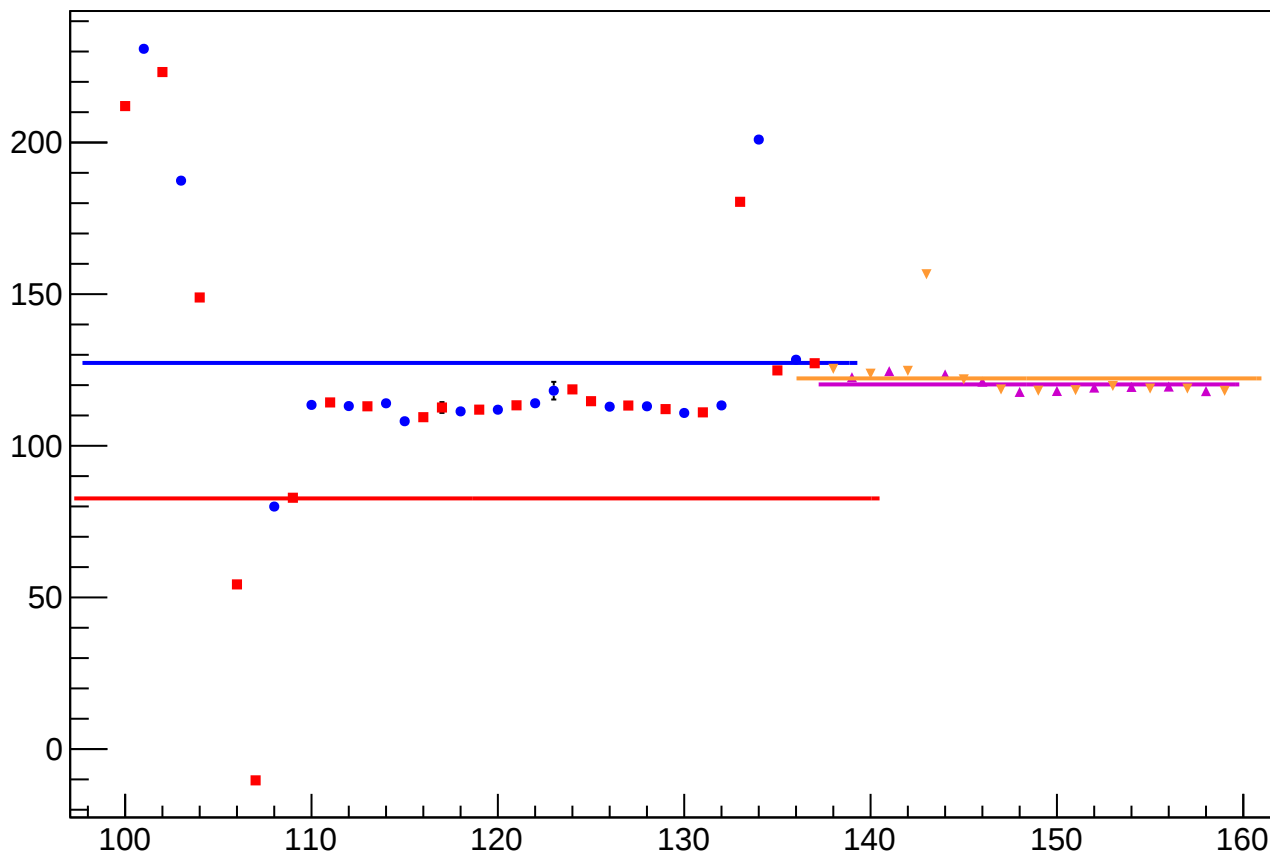
Right Out: -88.581 ± 1.431 $\chi^2/\text{NDF}: 971.5/19$

Left In: -64.147 ± 1.163 $\chi^2/\text{NDF}: 176.2/9$

-81.038 ± 0.912 $\chi^2/\text{NDF}: 1426.8/28$

-73.868 ± 0.903 $\chi^2/\text{NDF}: 1323.2/29$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 122.220+/-0.055 χ^2/NDF : 22876.9/11

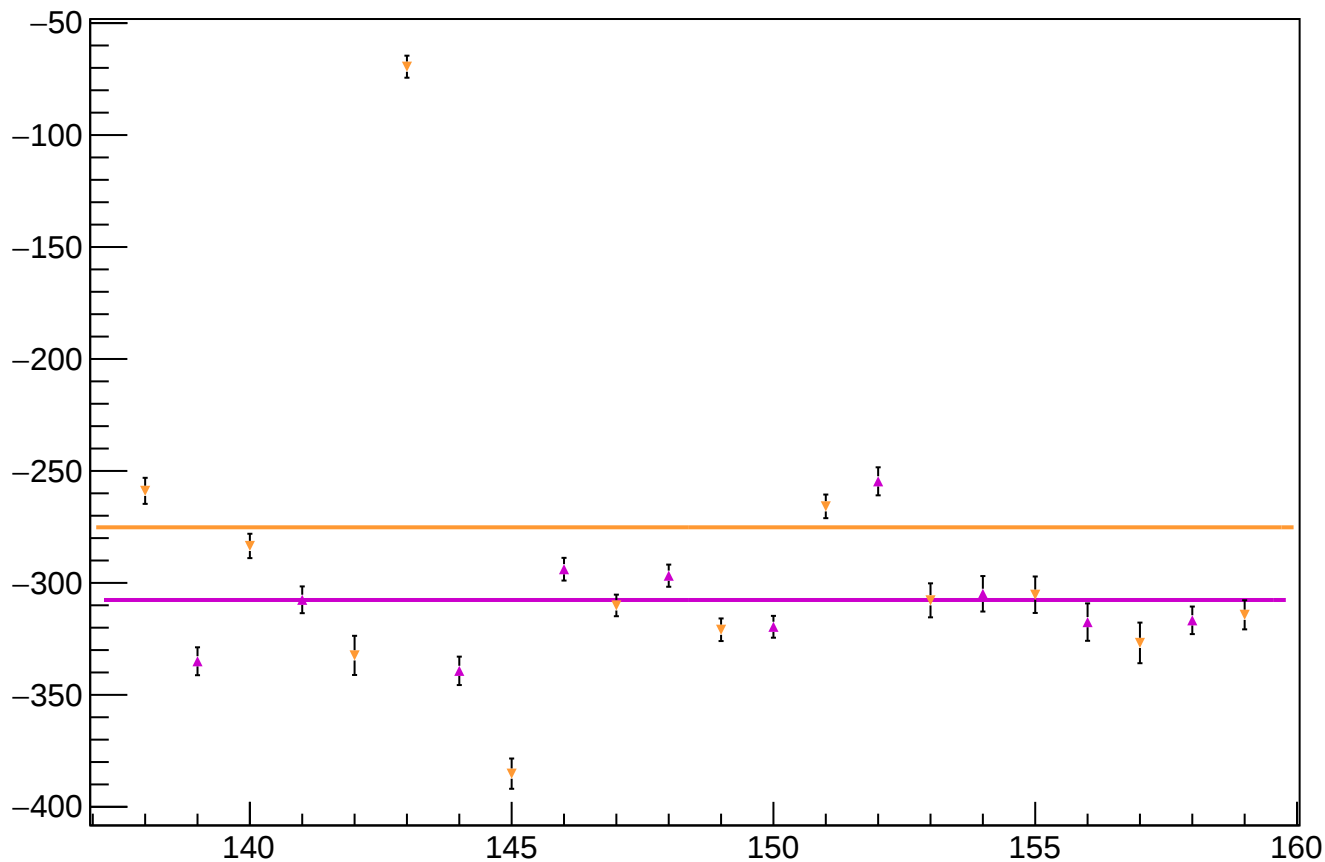
Right Out: 82.649+/-0.075 χ^2/NDF : 765307.1/19

Left In: 120.235+/-0.056 χ^2/NDF : 1777.6/9

123.622+/-0.047 χ^2/NDF : 213014.3/28

106.785+/-0.045 χ^2/NDF : 927046.6/29

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -275.175+/-1.751 χ^2/NDF : 2301.2/11

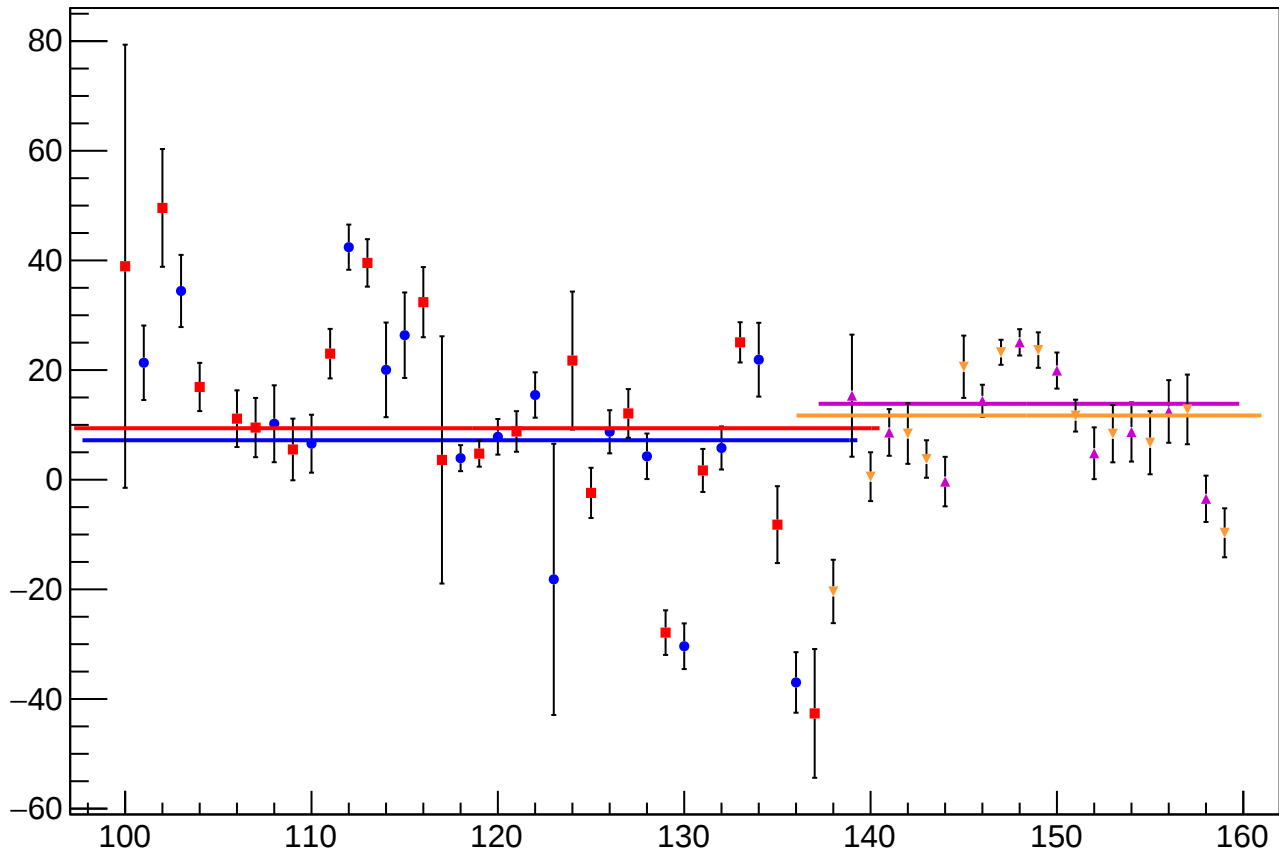
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -307.631+/-1.881 χ^2/NDF : 137.7/9

-275.175+/-1.751 χ^2/NDF : 2301.2/11

-307.631+/-1.881 χ^2/NDF : 137.7/9

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 1.103 $\chi^2/\text{NDF}: 260.9/16$

Left Out: 11.710 ± 1.135 $\chi^2/\text{NDF}: 108.5/11$

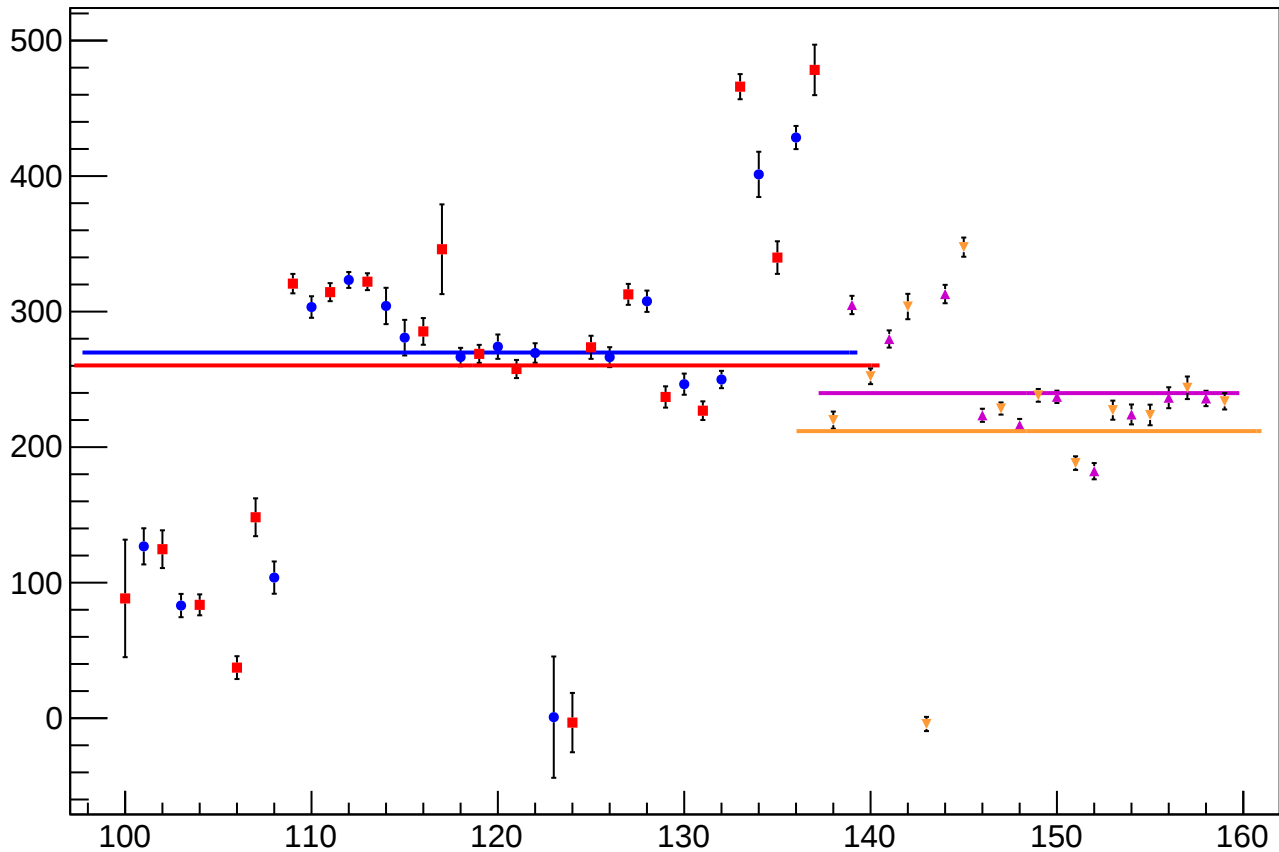
Right Out: 9.390 ± 1.070 $\chi^2/\text{NDF}: 232.2/19$

Left In: 13.850 ± 1.231 $\chi^2/\text{NDF}: 58.1/9$

9.391 ± 0.791 $\chi^2/\text{NDF}: 377.5/28$

11.309 ± 0.807 $\chi^2/\text{NDF}: 297.8/29$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 $\pm$ 2.089 χ^2 /NDF: 1374.1/16

Left Out: 211.820 $\pm$ 1.726 χ^2 /NDF: 2307.1/11

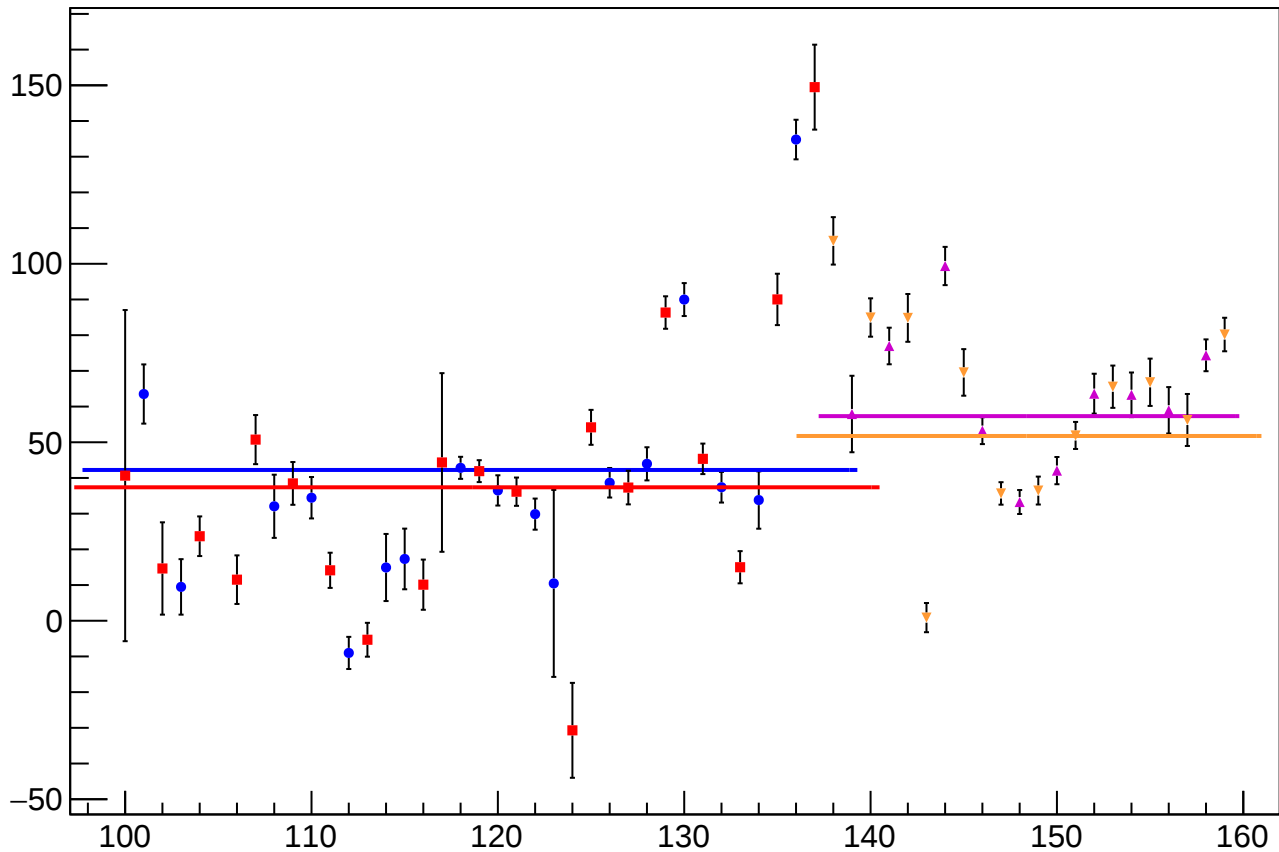
Right Out: 260.286 $\pm$ 1.973 χ^2 /NDF: 2545.4/19

Left In: 239.862 $\pm$ 1.827 χ^2 /NDF: 383.5/9

235.343 $\pm$ 1.331 χ^2 /NDF: 4139.1/28

249.289 $\pm$ 1.341 χ^2 /NDF: 2986.5/29

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 $\pm$ 1.274 χ^2 /NDF: 574.4/16

Left Out: 51.760 $\pm$ 1.394 χ^2 /NDF:381.5/11

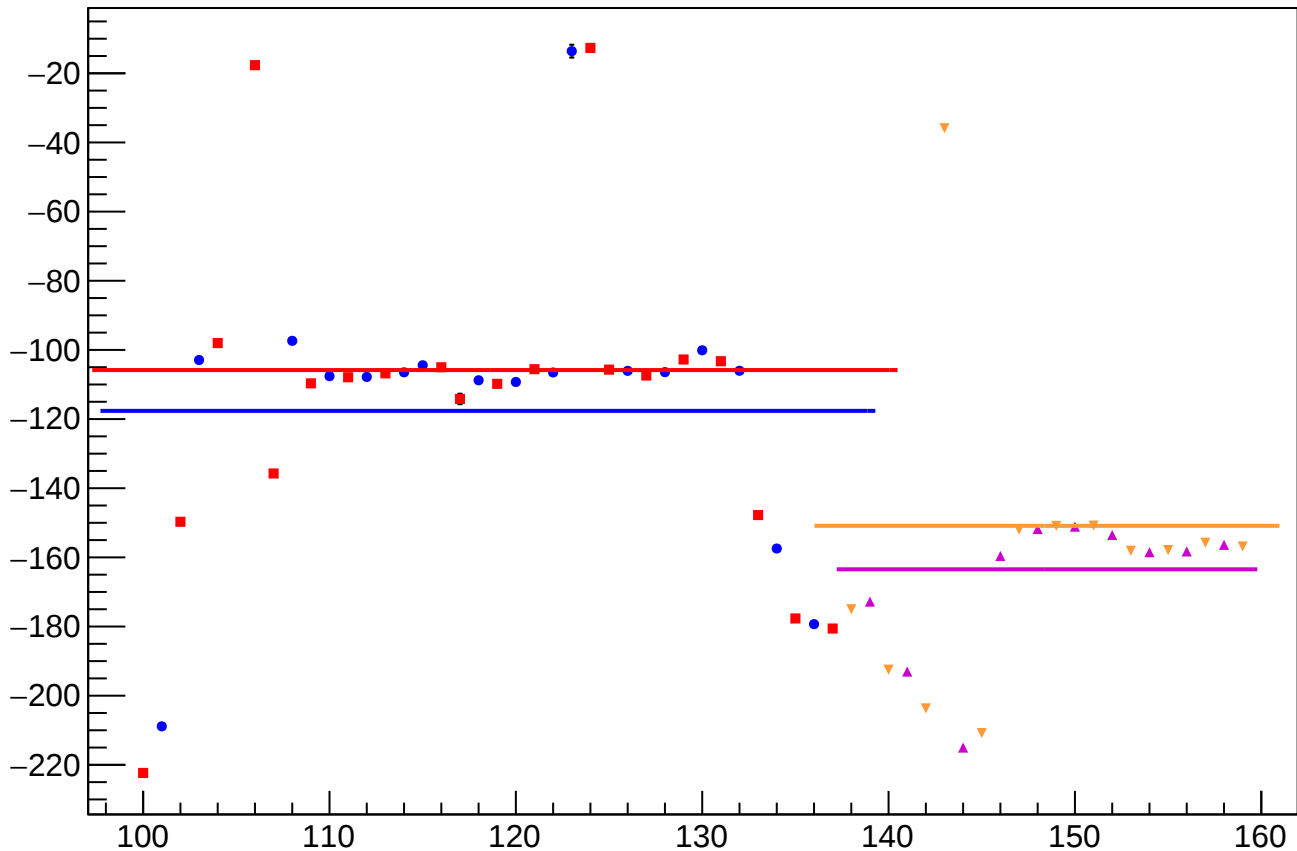
Right Out: 37.384 $\pm$ 1.233 χ^2 /NDF: 472.4/19

Left In: 57.321 $\pm$ 1.505 χ^2 /NDF:161.7/9

46.571 $\pm$ 0.940 χ^2 /NDF: 981.3/28

45.390 $\pm$ 0.954 χ^2 /NDF: 739.1/29

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -150.875+/-0.070 χ^2/NDF : 403223.4/11

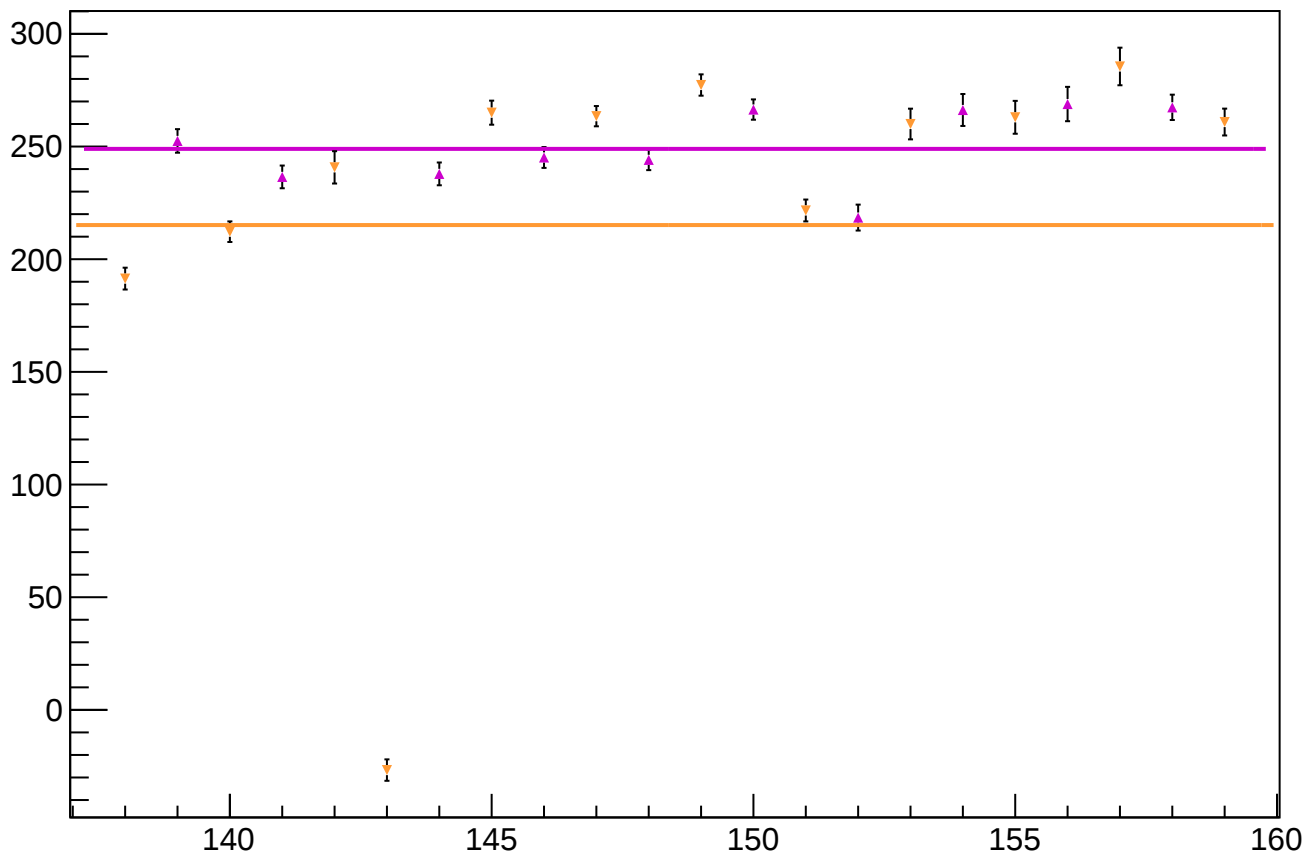
Right Out: -105.826+/-0.073 χ^2/NDF : 323138.4/19

Left In: -163.450+/-0.073 χ^2/NDF : 56368.4/9

-136.195+/-0.052 χ^2/NDF : 645225.5/28

-134.545+/-0.052 χ^2/NDF : 692362.3/29

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 215.155+/-1.564 χ^2/NDF : 3218.5/11

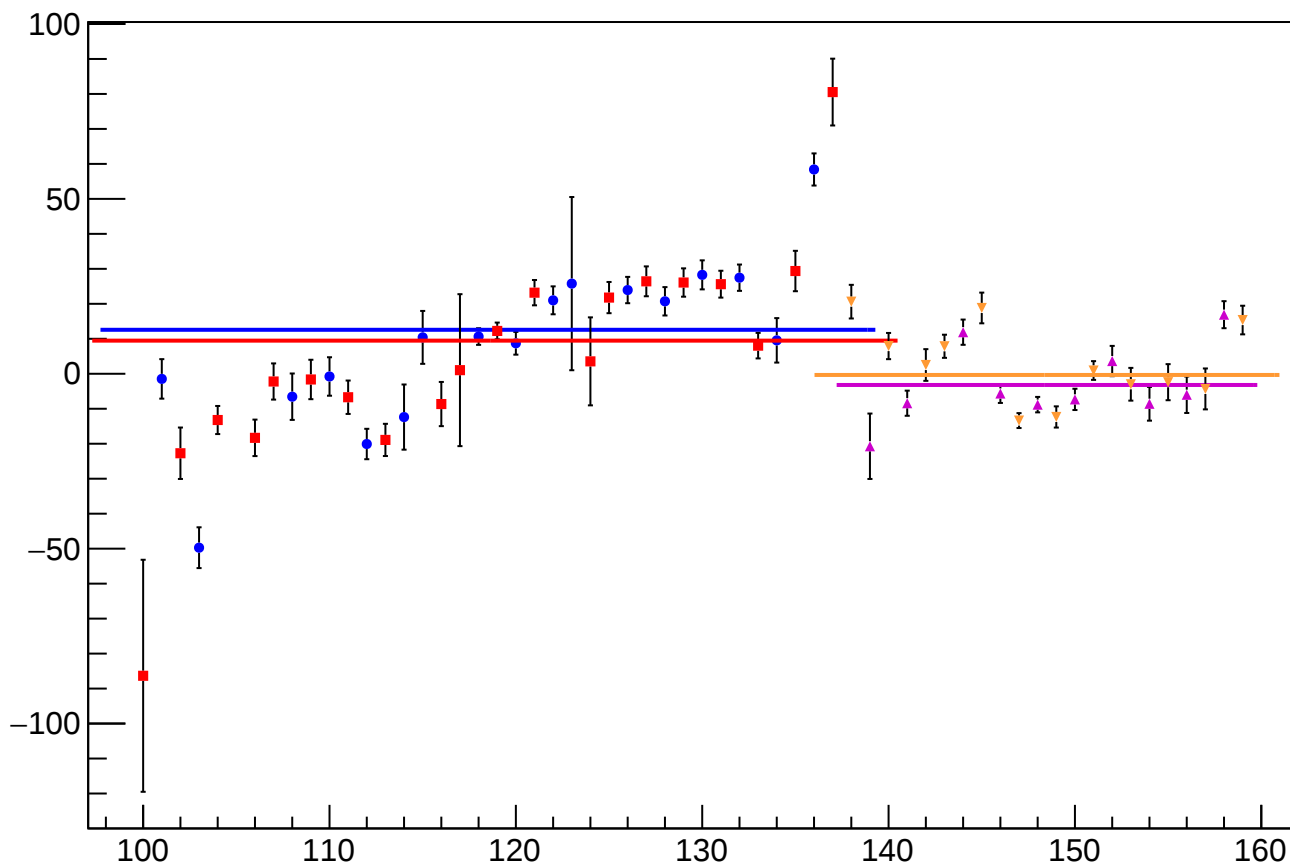
215.155+/-1.564 χ^2/NDF : 3218.5/11

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

Left In: 248.961+/-1.671 χ^2/NDF : 79.8/9

248.961+/-1.671 χ^2/NDF : 79.8/9

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574 ± 1.074 $\chi^2/\text{NDF}: 348.0/16$

Left Out: -0.339 ± 1.028 $\chi^2/\text{NDF}: 118.4/11$

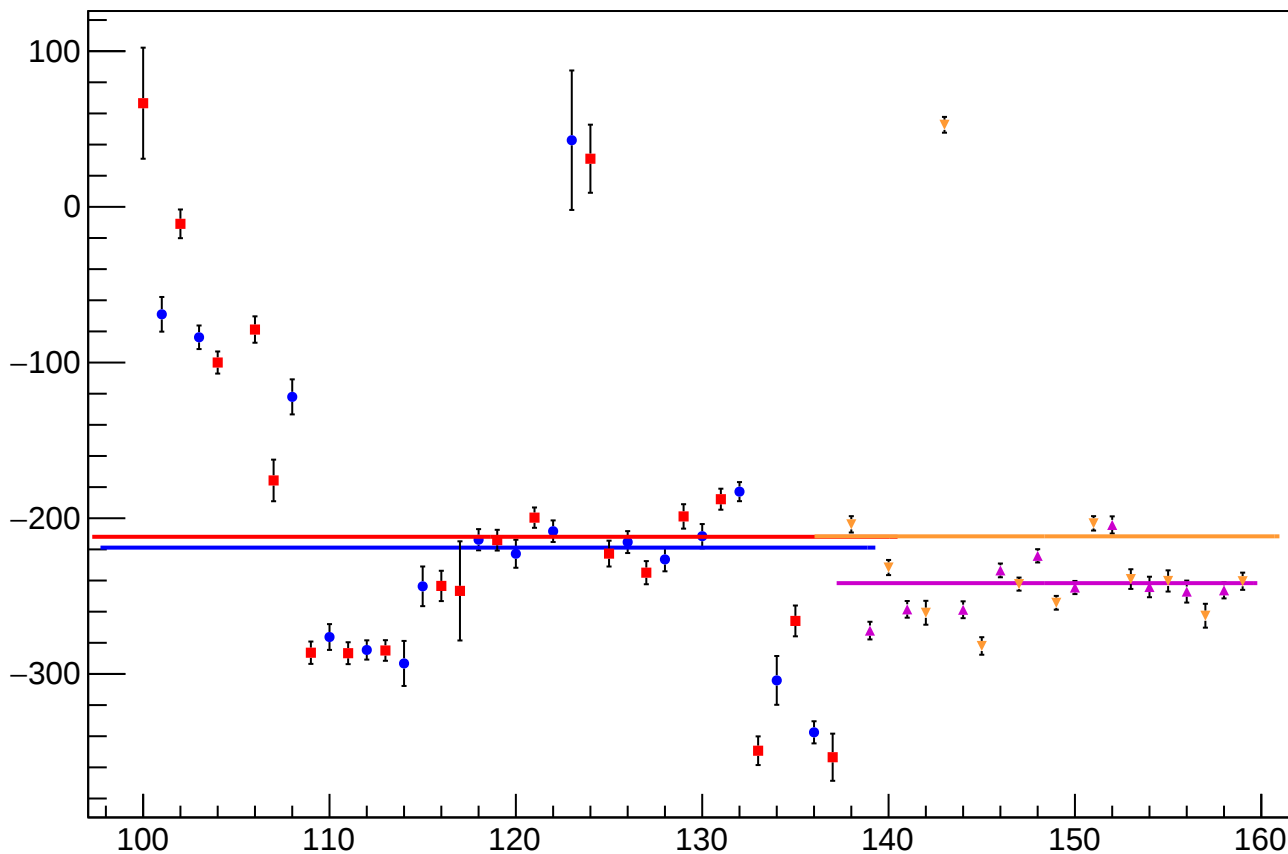
Right Out: 9.474 ± 1.046 $\chi^2/\text{NDF}: 296.0/19$

Left In: -3.203 ± 1.107 $\chi^2/\text{NDF}: 63.3/9$

5.832 ± 0.742 $\chi^2/\text{NDF}: 541.9/28$

3.493 ± 0.760 $\chi^2/\text{NDF}: 428.6/29$

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -211.618 ± 1.549 $\chi^2/\text{NDF}: 3186.0/11$

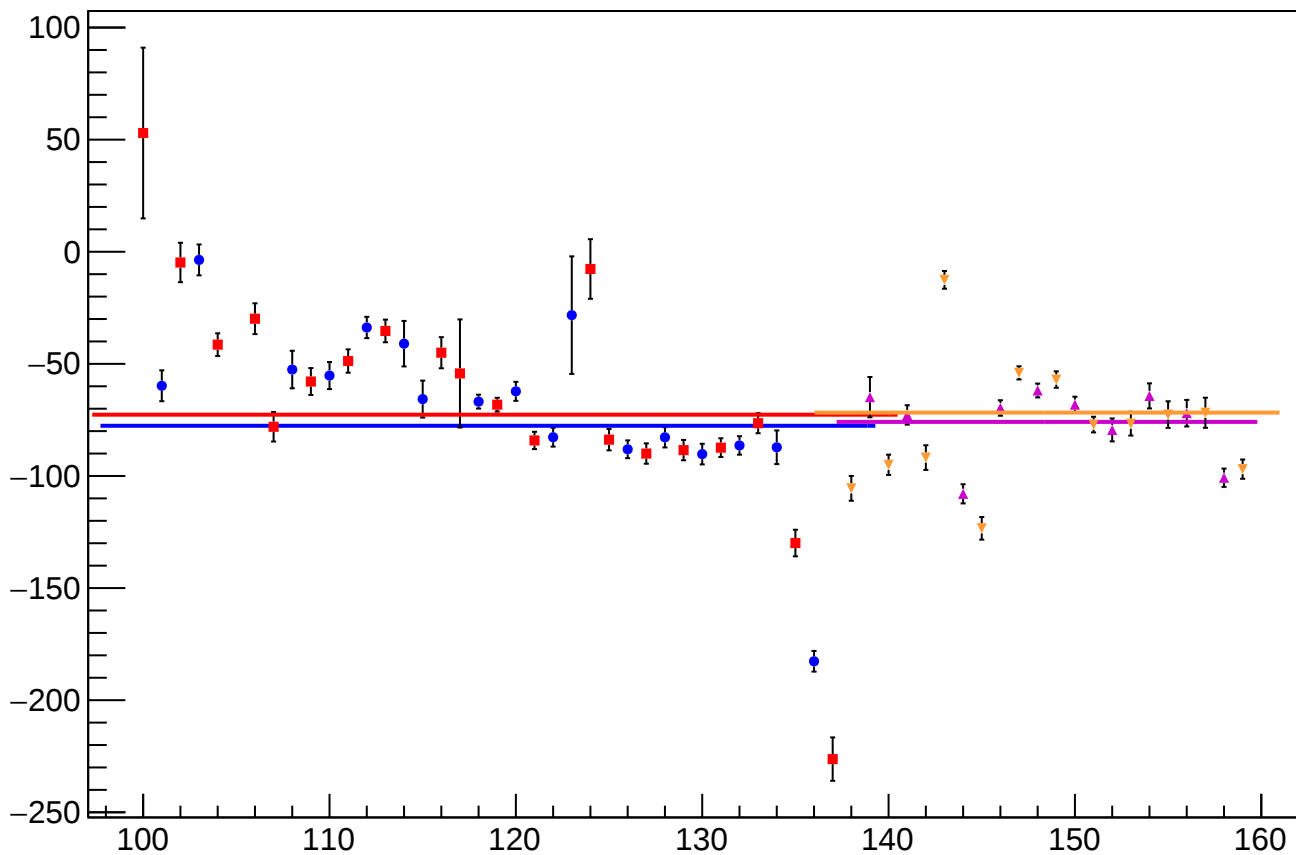
Right Out: -211.907 ± 1.920 $\chi^2/\text{NDF}: 1886.4/19$

Left In: -241.677 ± 1.632 $\chi^2/\text{NDF}: 117.1/9$

-214.294 ± 1.230 $\chi^2/\text{NDF}: 4340.7/28$

-229.194 ± 1.243 $\chi^2/\text{NDF}: 2143.0/29$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 ± 1.236 $\chi^2/\text{NDF}: 815.9/16$

Left Out: -71.738 ± 1.259 $\chi^2/\text{NDF}: 496.3/11$

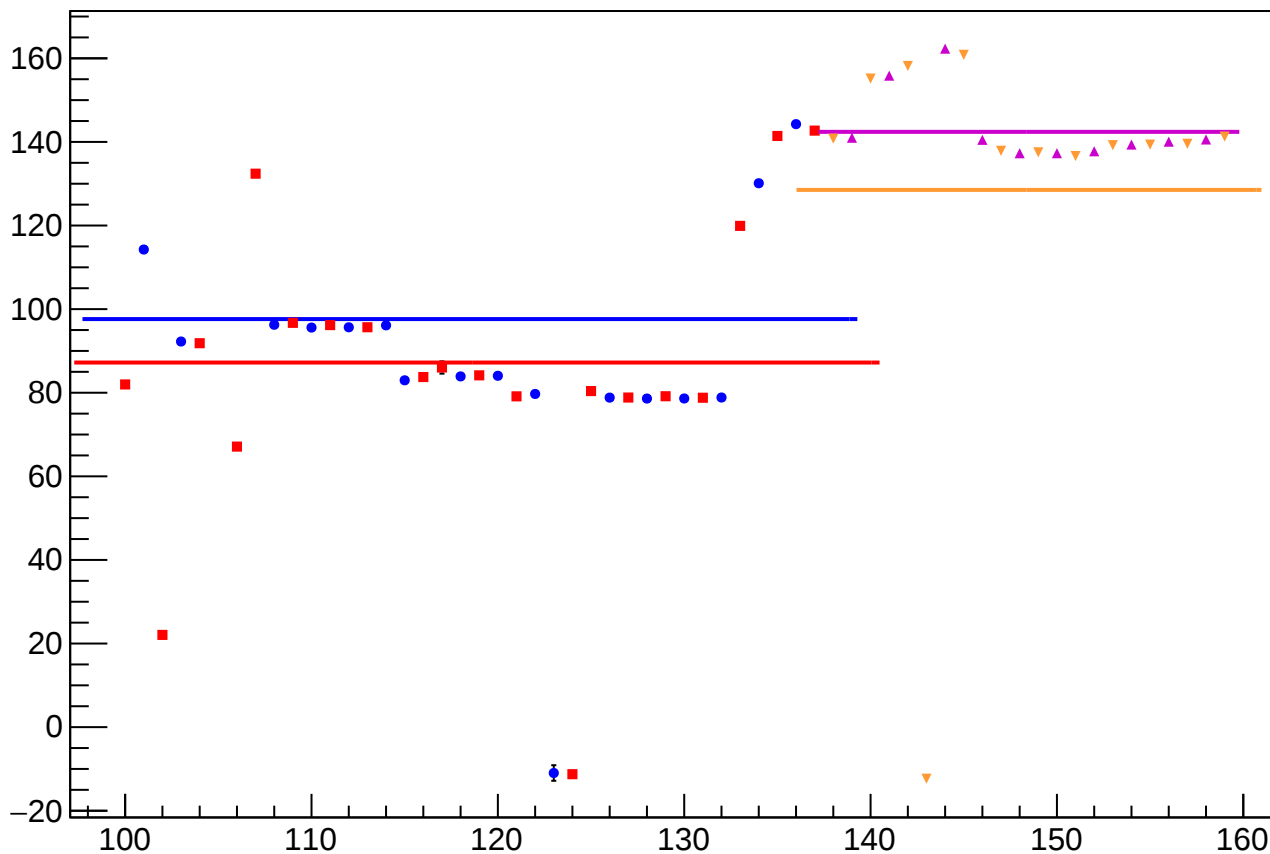
Right Out: -72.664 ± 1.205 $\chi^2/\text{NDF}: 672.0/19$

Left In: -75.883 ± 1.350 $\chi^2/\text{NDF}: 129.4/9$

-74.728 ± 0.882 $\chi^2/\text{NDF}: 1323.3/28$

-74.090 ± 0.899 $\chi^2/\text{NDF}: 804.6/29$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 128.524 $\pm$ 0.063 χ^2 /NDF: 547016.2/11

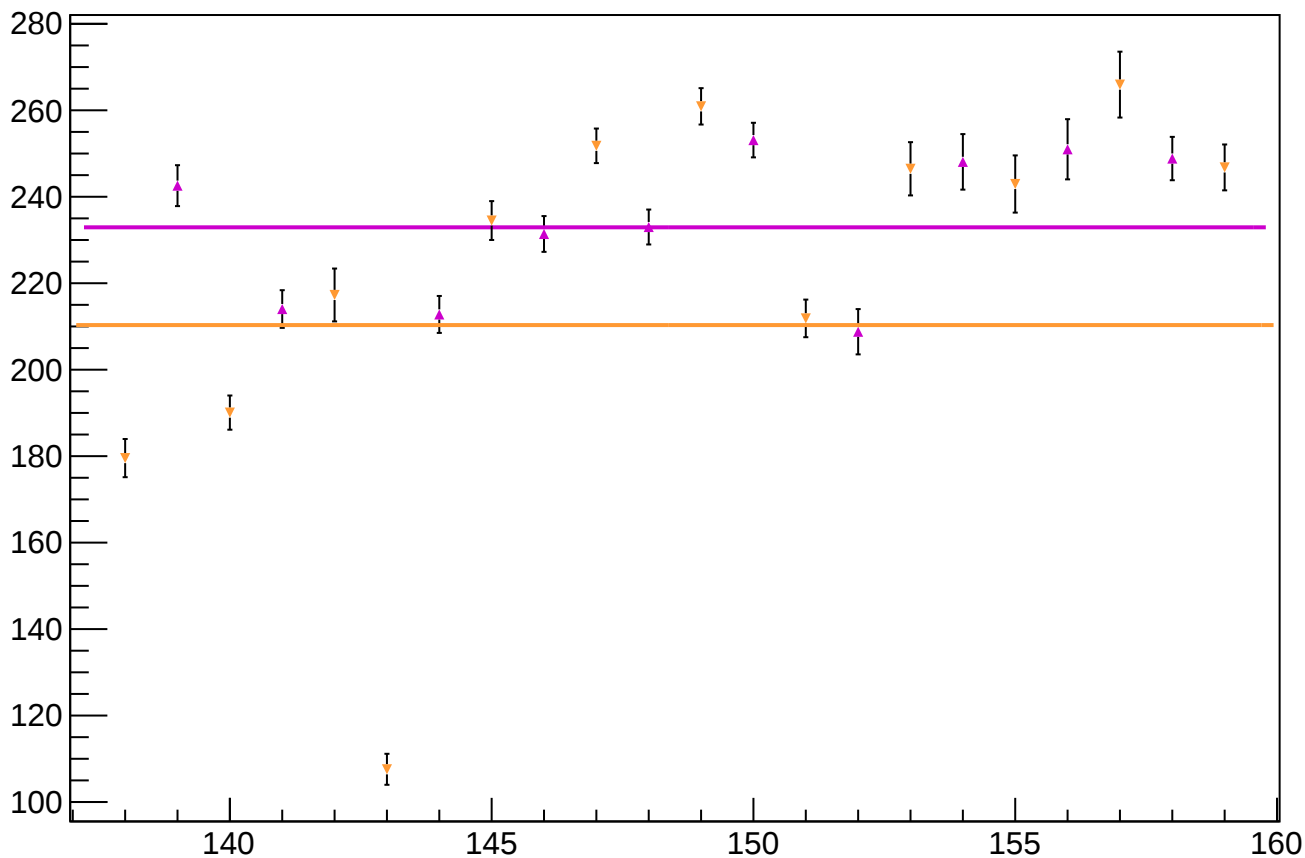
Right Out: 87.224 $\pm$ 0.068 χ^2 /NDF: 220851.2/19

Left In: 142.410 $\pm$ 0.065 χ^2 /NDF: 13477.4/9

115.585 $\pm$ 0.048 χ^2 /NDF: 743241.8/28

116.094 $\pm$ 0.047 χ^2 /NDF: 576934.4/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



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

Left Out: 210.319+/-1.357 χ^2/NDF :1338.0/11

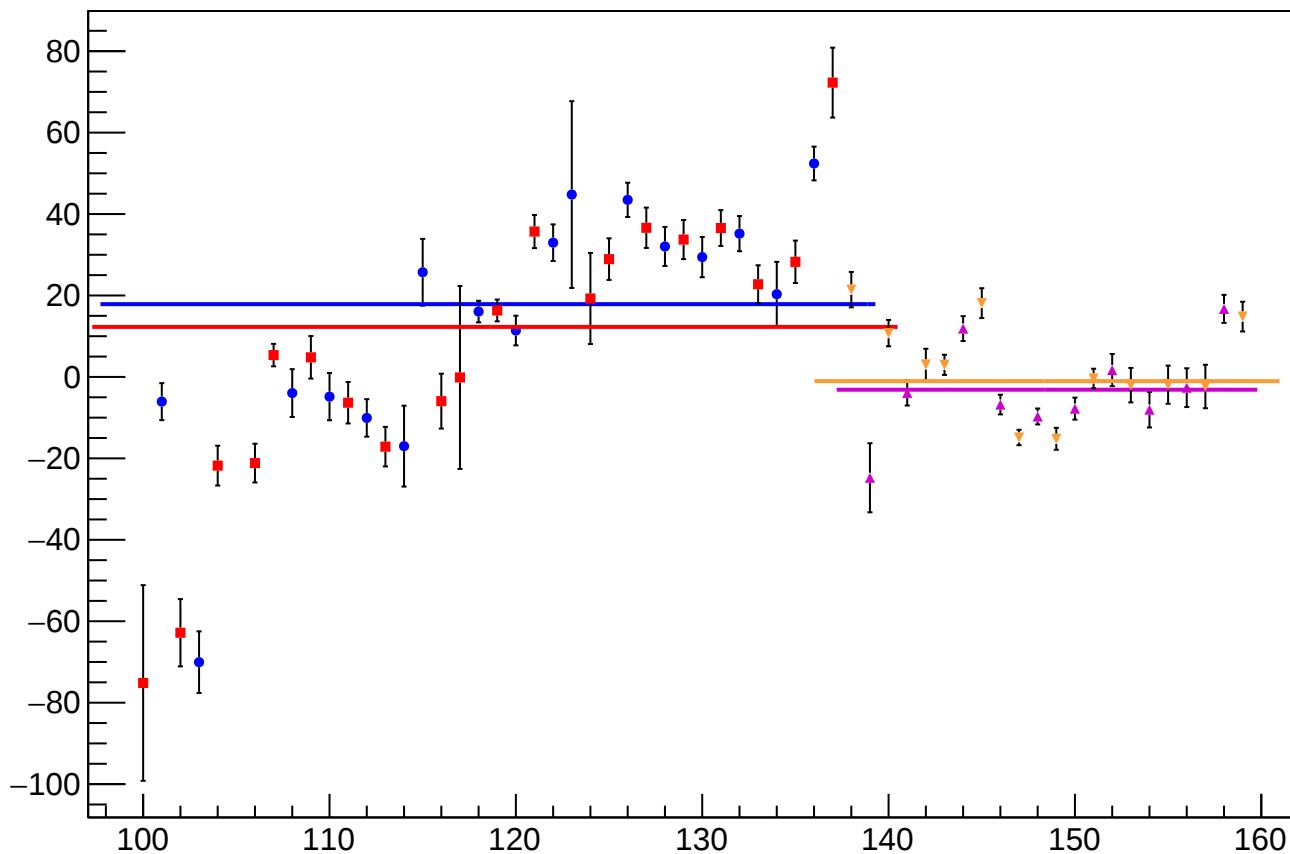
210.319+/-1.357 χ^2/NDF : 1338.0/11

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

Left In: 232.932+/-1.482 χ^2/NDF :114.4/9

232.932+/-1.482 χ^2/NDF : 114.4/9

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 17.872 $\pm$ 1.166 χ^2 /NDF: 395.3/16

Left Out: -1.021 $\pm$ 0.893 χ^2 /NDF: 171.1/11

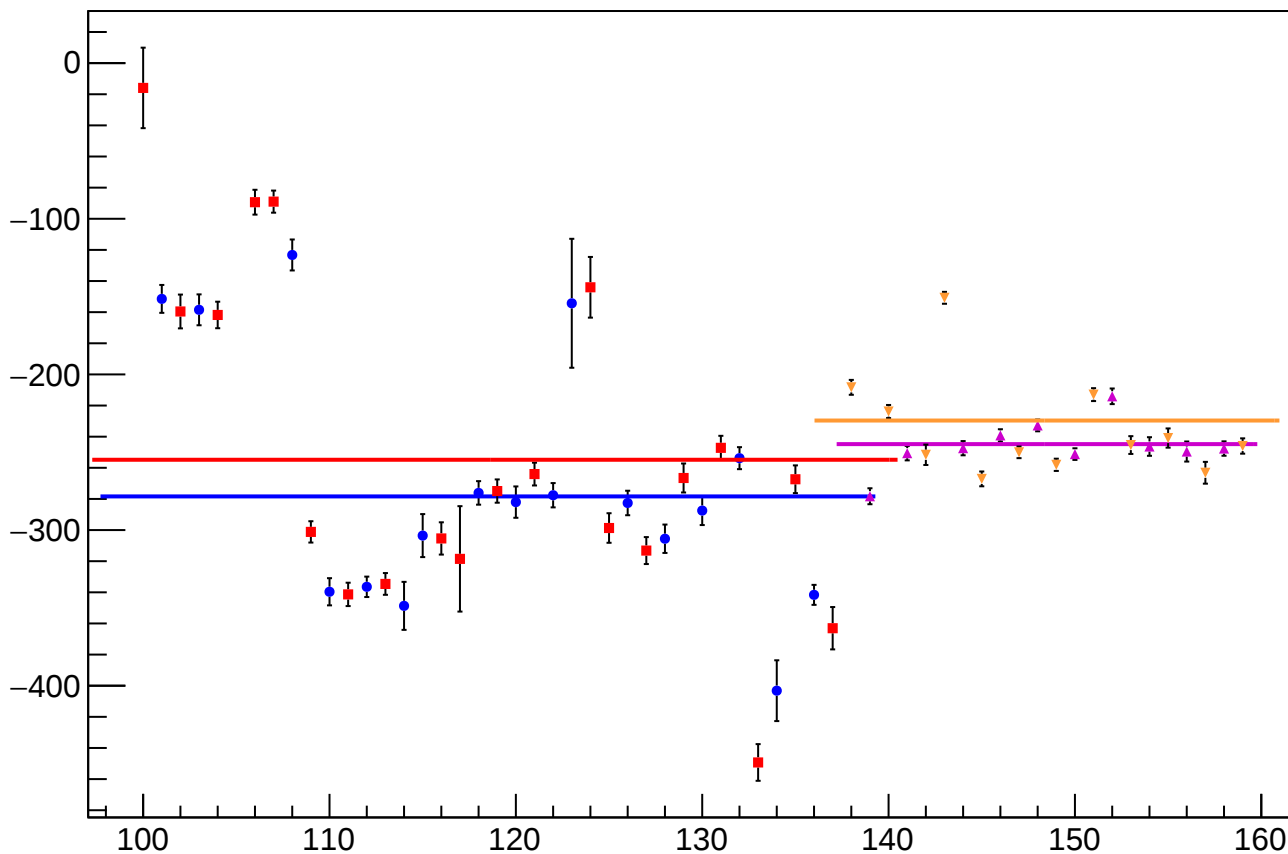
Right Out: 12.288 $\pm$ 1.082 χ^2 /NDF: 444.4/19

Left In: -3.139 $\pm$ 0.980 χ^2 /NDF: 83.3/9

5.962 $\pm$ 0.709 χ^2 /NDF: 732.0/28

3.817 $\pm$ 0.727 χ^2 /NDF: 639.3/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.380 $\pm$ 2.185 χ^2 /NDF: 910.6/16

Left Out: -229.626 $\pm$ 1.350 χ^2 /NDF: 663.0/11

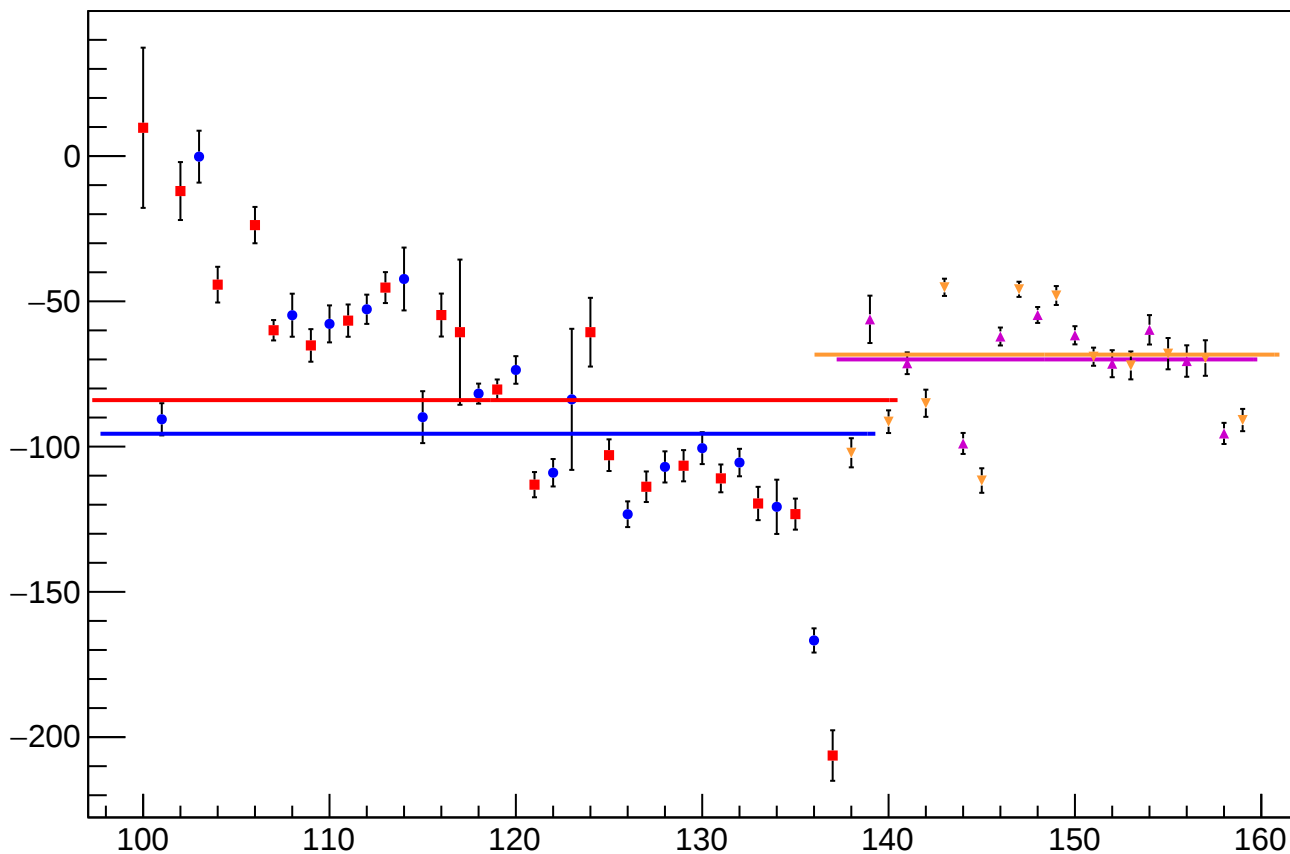
Right Out: -254.830 $\pm$ 2.016 χ^2 /NDF: 2041.0/19

Left In: -244.780 $\pm$ 1.449 χ^2 /NDF: 98.1/9

-243.092 $\pm$ 1.148 χ^2 /NDF: 1934.0/28

-248.204 $\pm$ 1.177 χ^2 /NDF: 2155.5/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -95.576 $\pm$ 1.340 χ^2 /NDF: 671.2/16

Left Out: -68.340 $\pm$ 1.093 χ^2 /NDF: 407.7/11

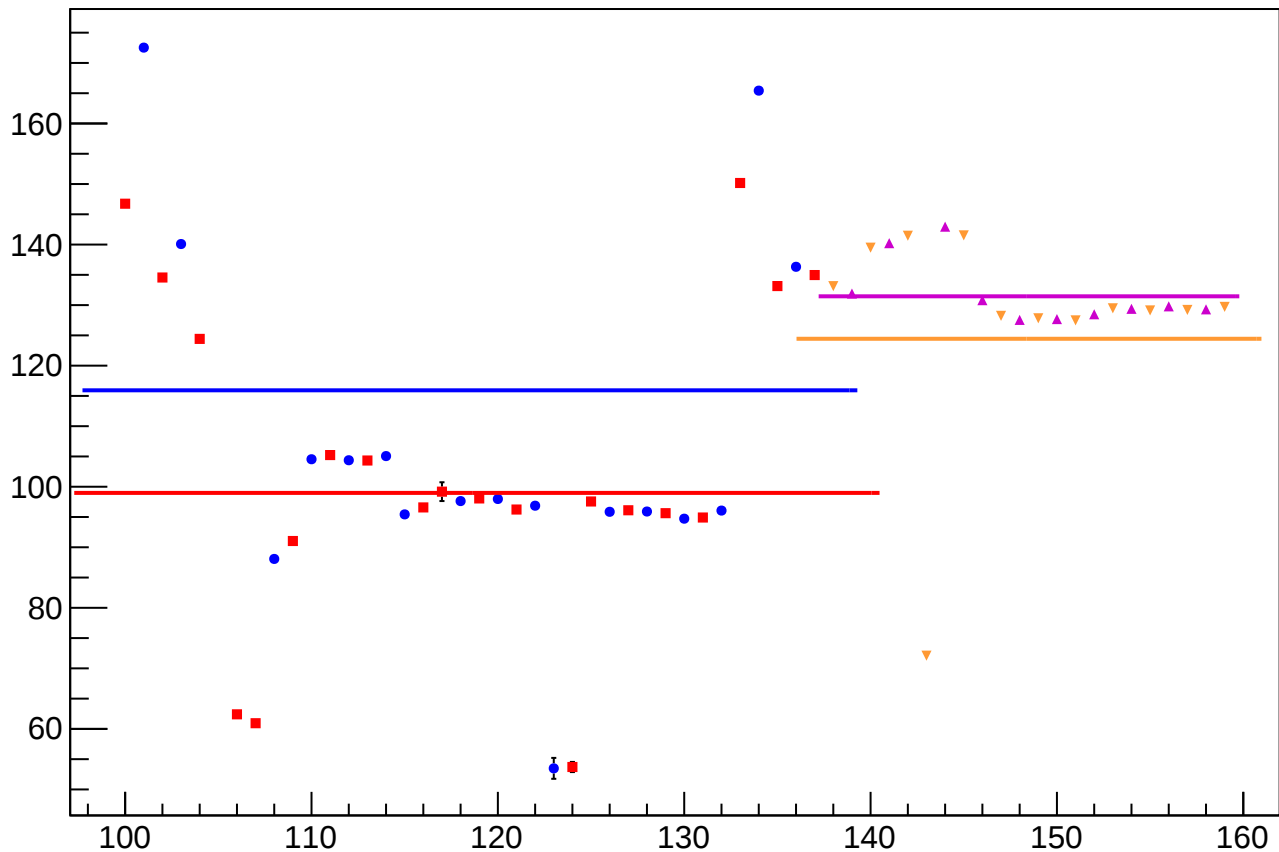
Right Out: -84.003 $\pm$ 1.255 χ^2 /NDF: 784.1/19

Left In: -69.998 $\pm$ 1.197 χ^2 /NDF: 165.0/9

-79.219 $\pm$ 0.847 χ^2 /NDF: 1326.9/28

-76.667 $\pm$ 0.866 χ^2 /NDF: 1014.3/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 115.927 $\pm$ 0.078 χ^2 /NDF: 105791.4/16

Left Out: 124.440 $\pm$ 0.055 χ^2 /NDF: 141235.1/11

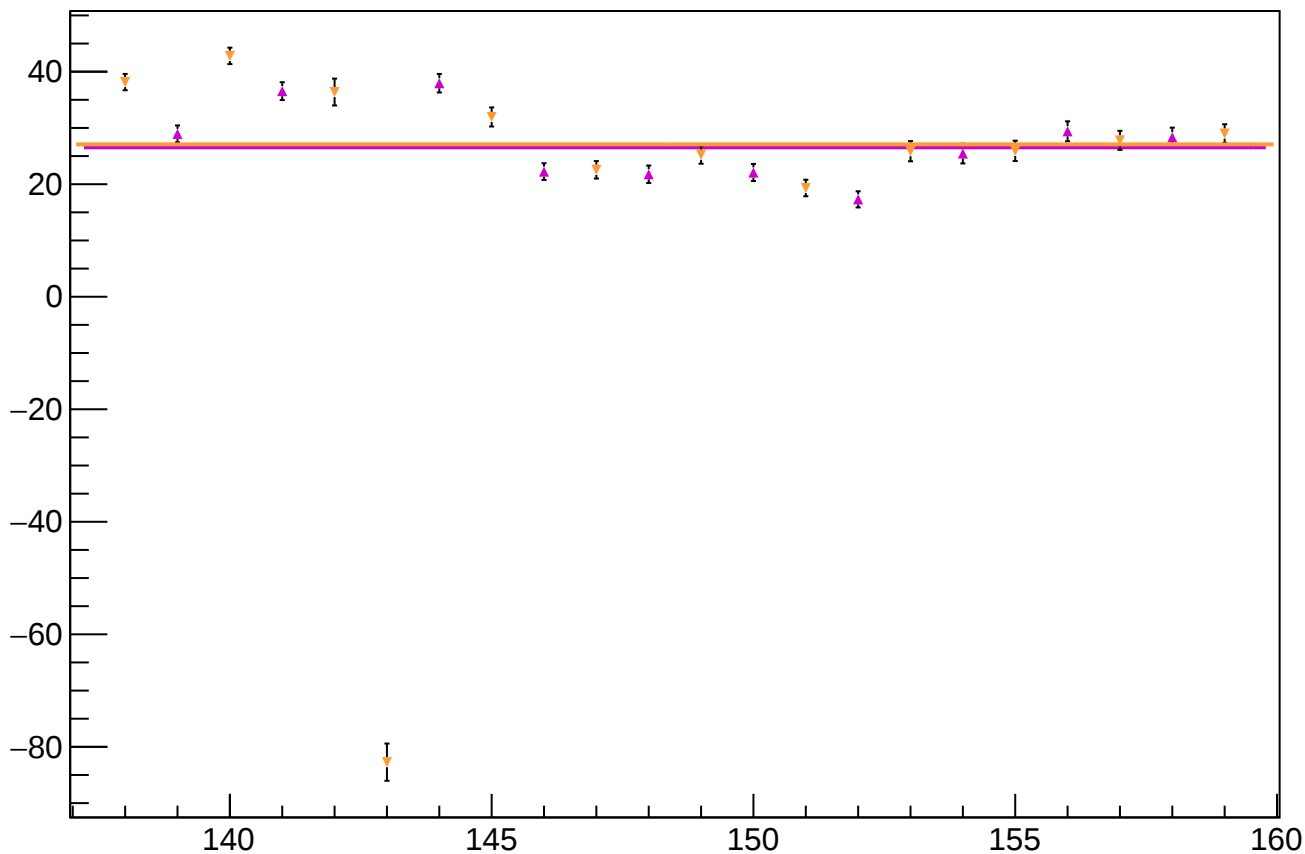
Right Out: 98.982 $\pm$ 0.068 χ^2 /NDF: 172974.2/19

Left In: 131.454 $\pm$ 0.058 χ^2 /NDF: 7210.4/9

121.662 $\pm$ 0.045 χ^2 /NDF: 254964.5/28

117.900 $\pm$ 0.044 χ^2 /NDF: 311172.0/29

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug

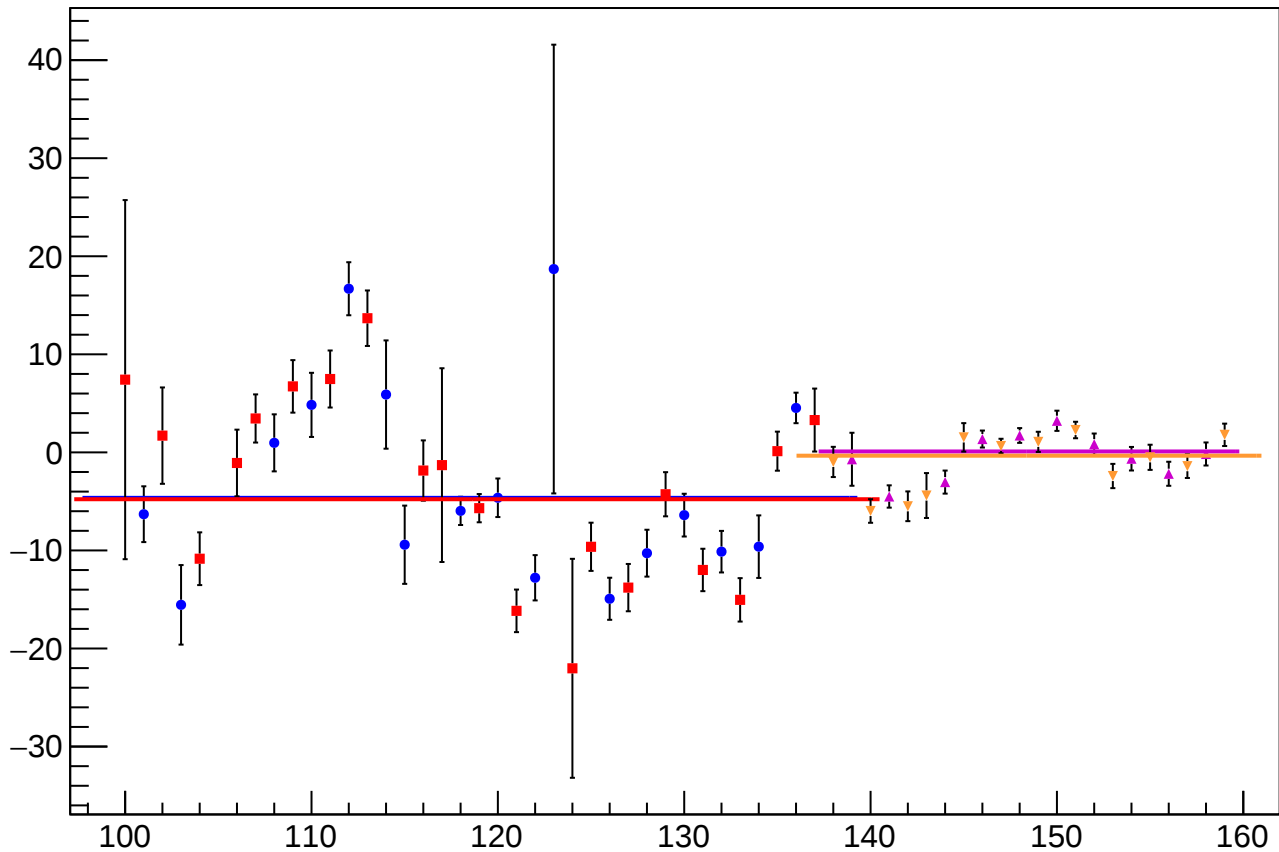


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 27.076+/-0.491 χ^2/NDF :1337.9/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 26.564+/-0.501 χ^2/NDF :162.4/9

27.076+/-0.491 χ^2/NDF : 1337.9/11

26.564+/-0.501 χ^2/NDF : 162.4/9

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637+/-0.588 χ^2/NDF : 174.4/16

Left Out: -0.339+/-0.331 χ^2/NDF : 58.9/11

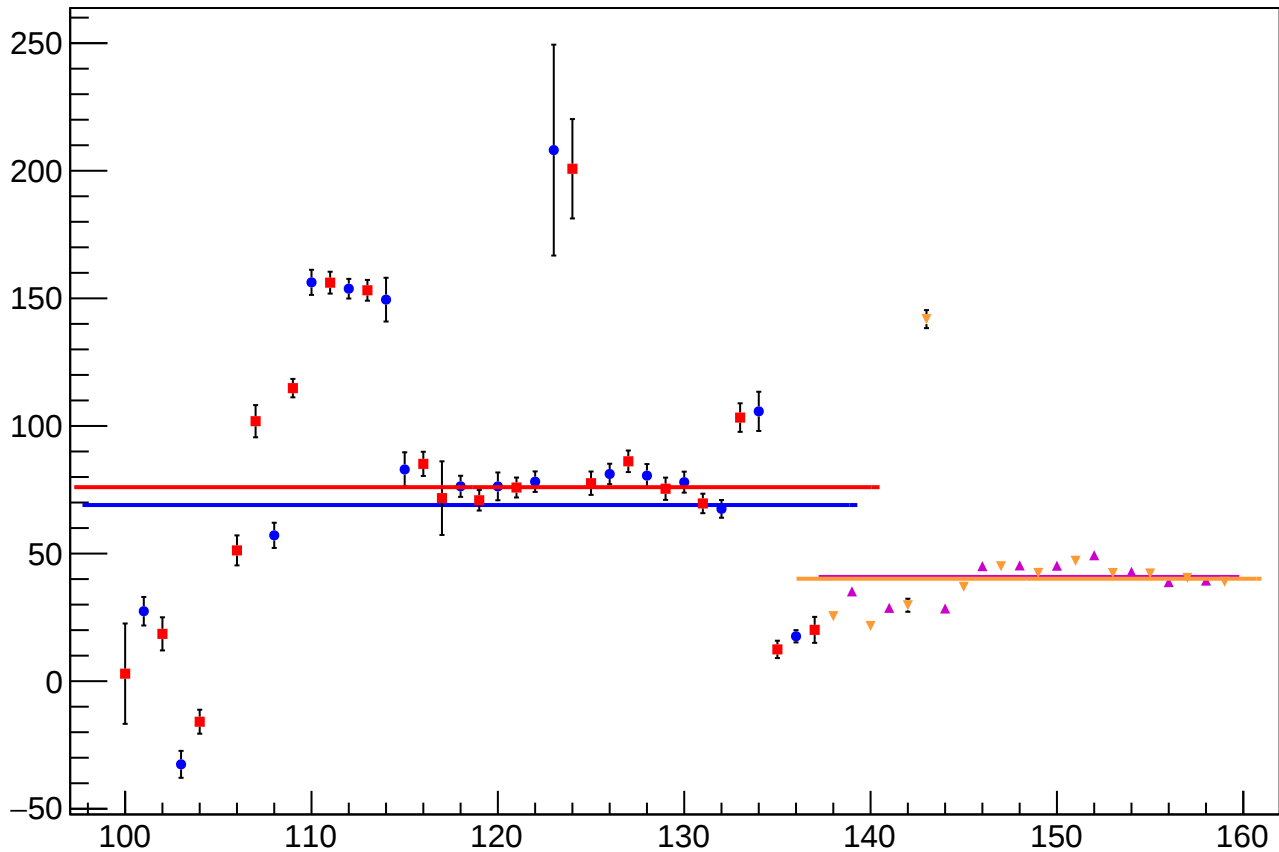
Right Out: -4.779+/-0.583 χ^2/NDF : 192.7/19

Left In: 0.093+/-0.341 χ^2/NDF : 43.8/9

-1.374+/-0.288 χ^2/NDF : 274.0/28

-1.148+/-0.294 χ^2/NDF : 288.4/29

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019 ± 1.083 χ^2/NDF : 1848.0/16

Left Out: 40.140 ± 0.480 χ^2/NDF : 1119.8/11

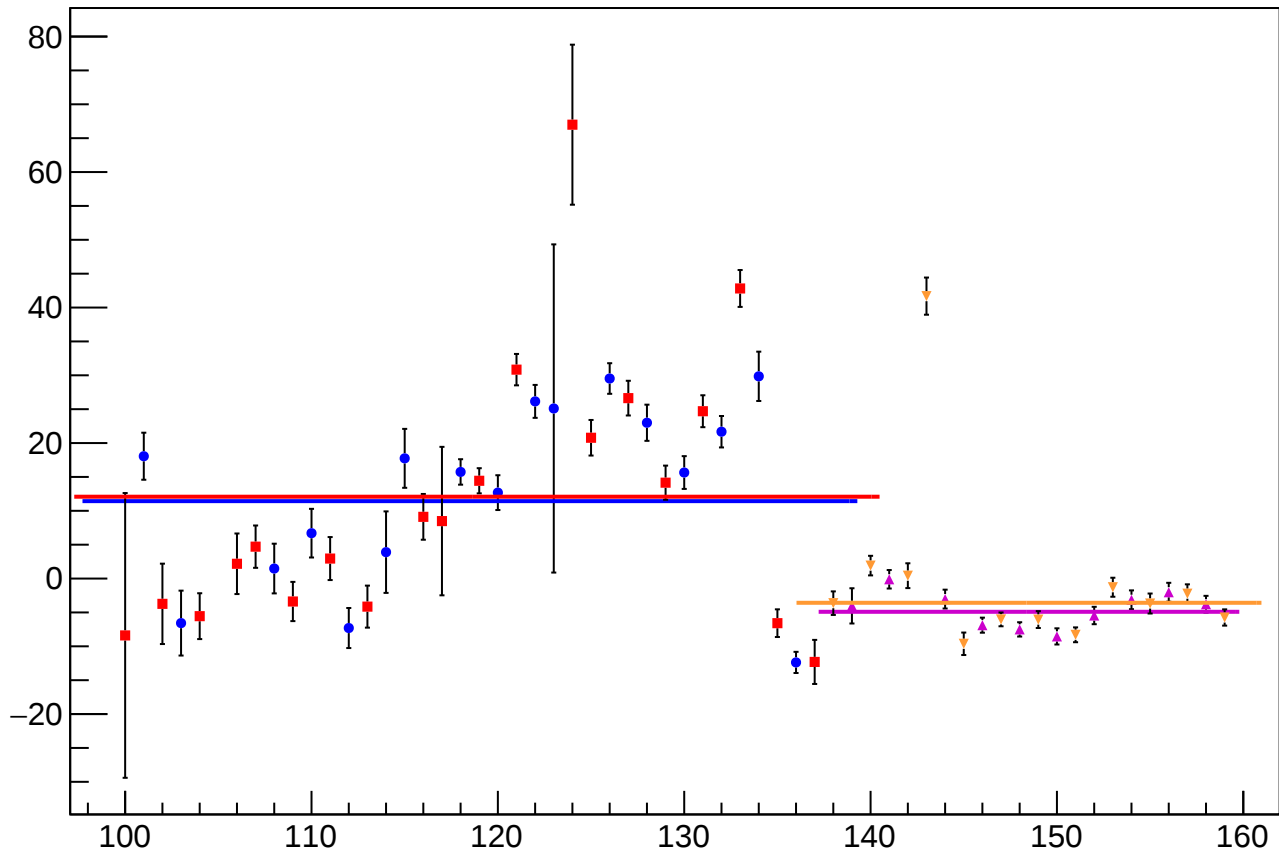
Right Out: 76.017 ± 1.067 χ^2/NDF : 1882.0/19

Left In: 40.839 ± 0.489 χ^2/NDF : 183.1/9

44.878 ± 0.439 χ^2/NDF : 3561.8/28

46.938 ± 0.444 χ^2/NDF : 2963.7/29

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 ± 0.665 χ^2/NDF : 476.8/16

Left Out: -3.575 ± 0.400 χ^2/NDF : 340.2/11

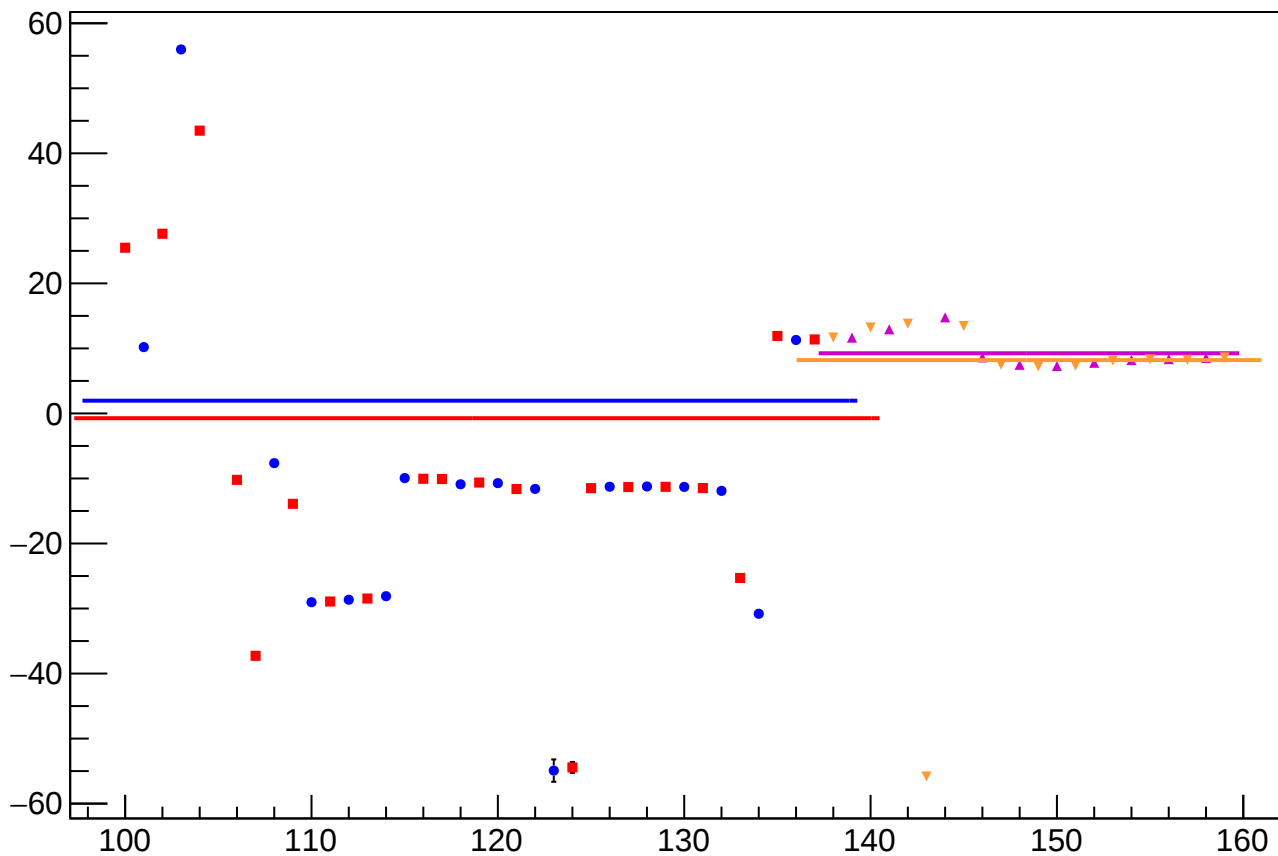
Right Out: 12.082 ± 0.663 χ^2/NDF : 539.2/19

Left In: -4.906 ± 0.411 χ^2/NDF : 39.7/9

0.409 ± 0.343 χ^2/NDF : 1190.2/28

-0.179 ± 0.350 χ^2/NDF : 1053.2/29

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 1.960 $\pm$ 0.037 χ^2 /NDF: 358457.0/16

Left Out: 8.202 $\pm$ 0.019 χ^2 /NDF: 222503.9/11

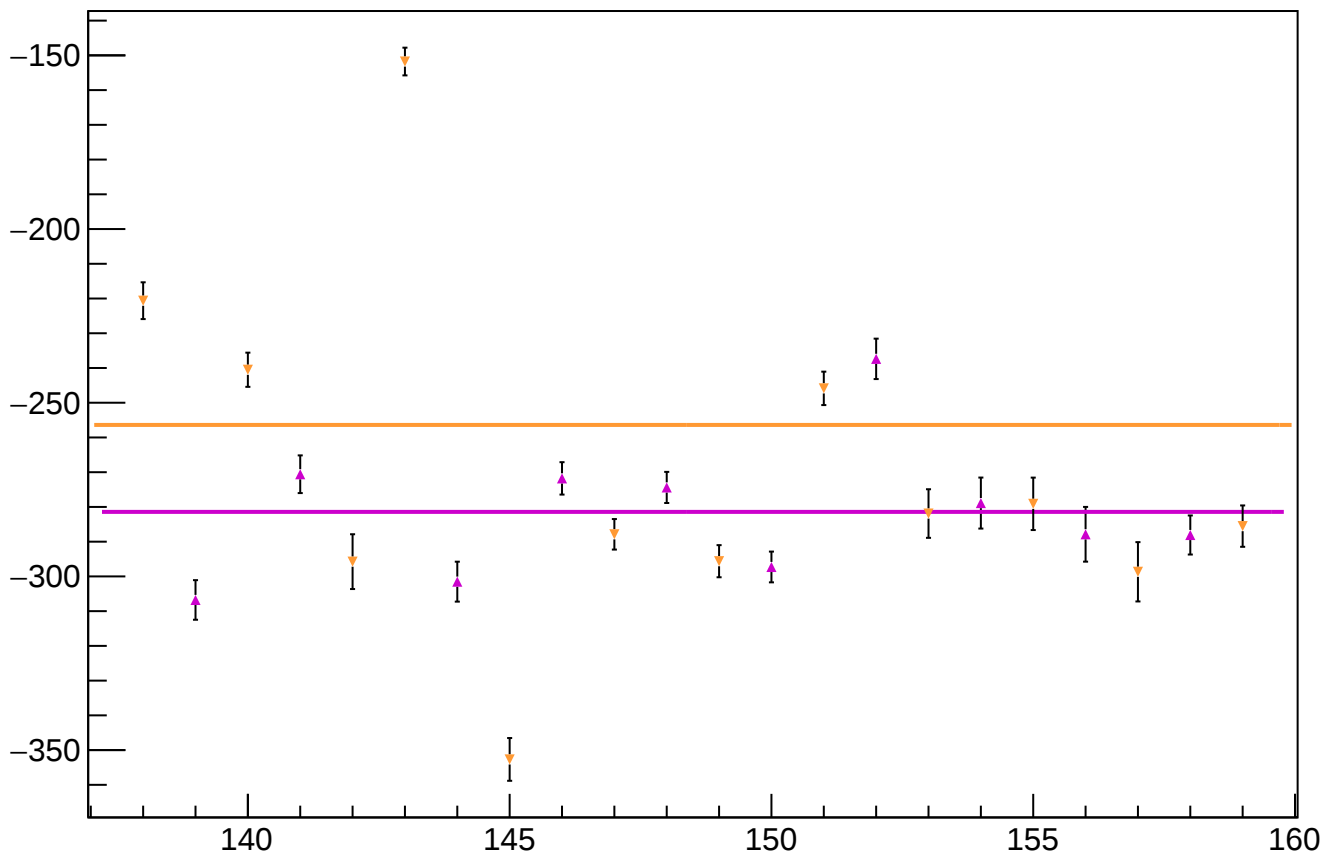
Right Out: -0.733 $\pm$ 0.037 χ^2 /NDF: 361368.4/19

Left In: 9.252 $\pm$ 0.019 χ^2 /NDF: 13283.3/9

6.930 $\pm$ 0.017 χ^2 /NDF: 603439.4/28

7.156 $\pm$ 0.017 χ^2 /NDF: 432001.7/29

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



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

Left Out: -256.390+/-1.573 χ^2/NDF : 1212.2/11

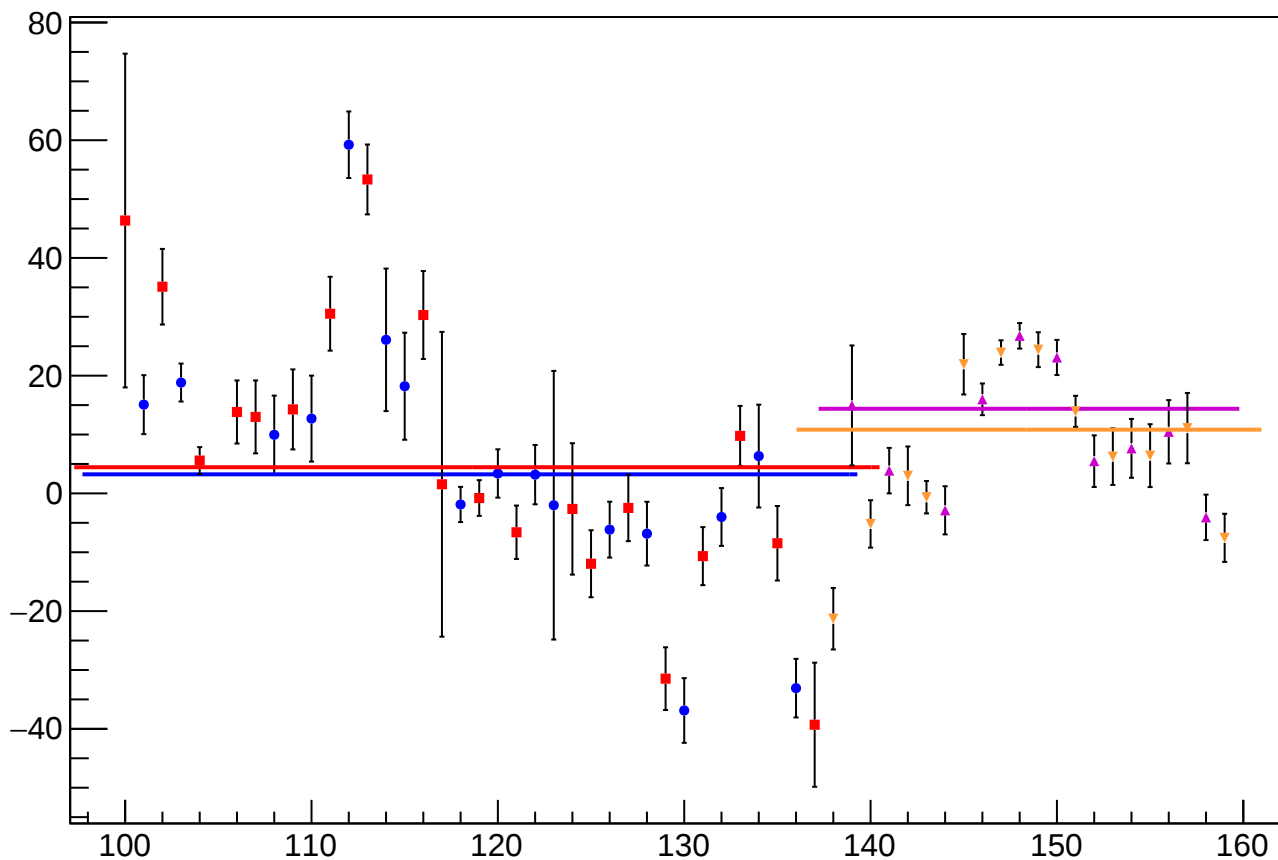
-256.390+/-1.573 χ^2/NDF : 1212.2/11

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

Left In: -281.423+/-1.721 χ^2/NDF : 115.1/9

-281.423+/-1.721 χ^2/NDF : 115.1/9

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 3.237 ± 1.244 χ^2/NDF : 255.3/16

Left Out: 10.824 ± 1.019 χ^2/NDF : 161.9/11

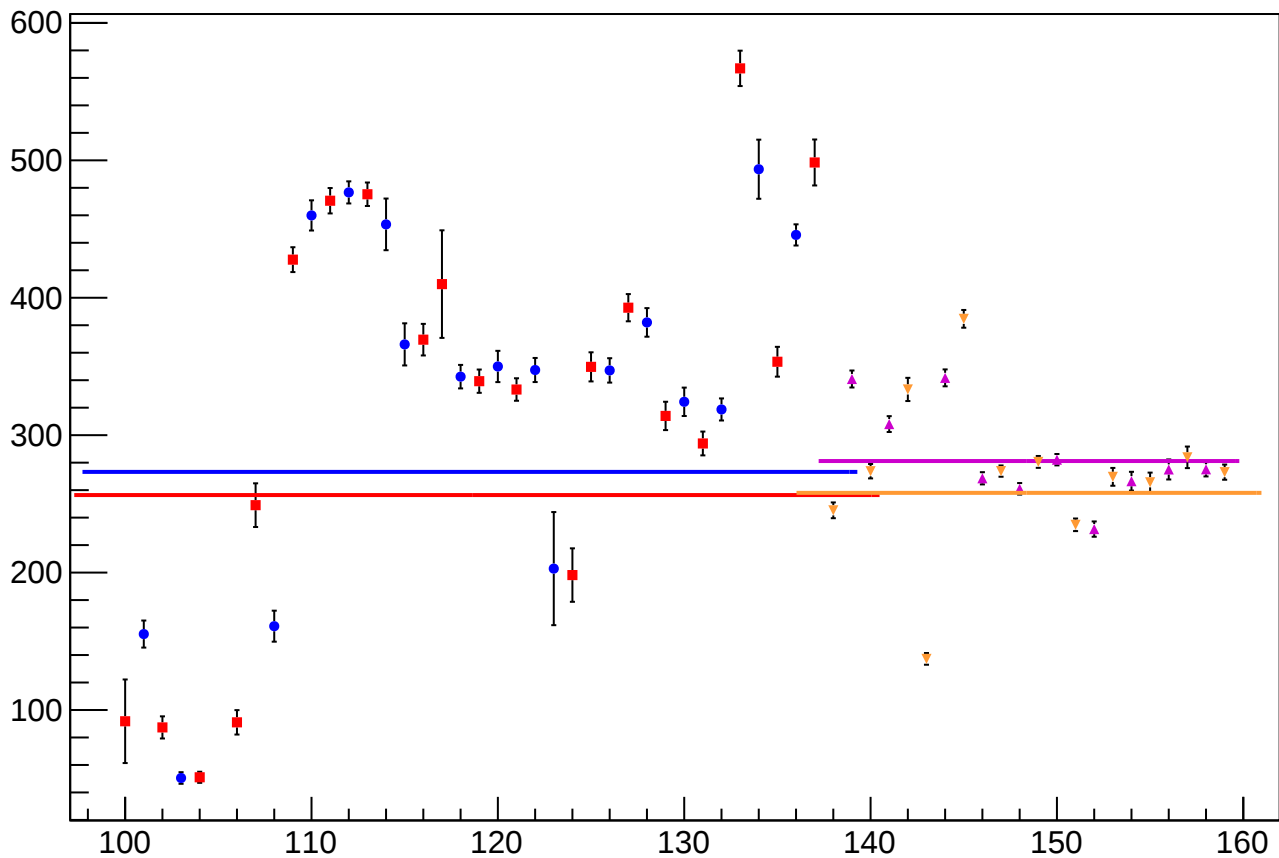
Right Out: 4.444 ± 1.156 χ^2/NDF : 225.8/19

Left In: 14.374 ± 1.123 χ^2/NDF : 95.9/9

7.775 ± 0.788 χ^2/NDF : 439.5/28

9.551 ± 0.806 χ^2/NDF : 359.7/29

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276 $\pm$ 2.205 χ^2/NDF : 5101.5/16

Left Out: 258.022 $\pm$ 1.555 χ^2/NDF : 1373.7/11

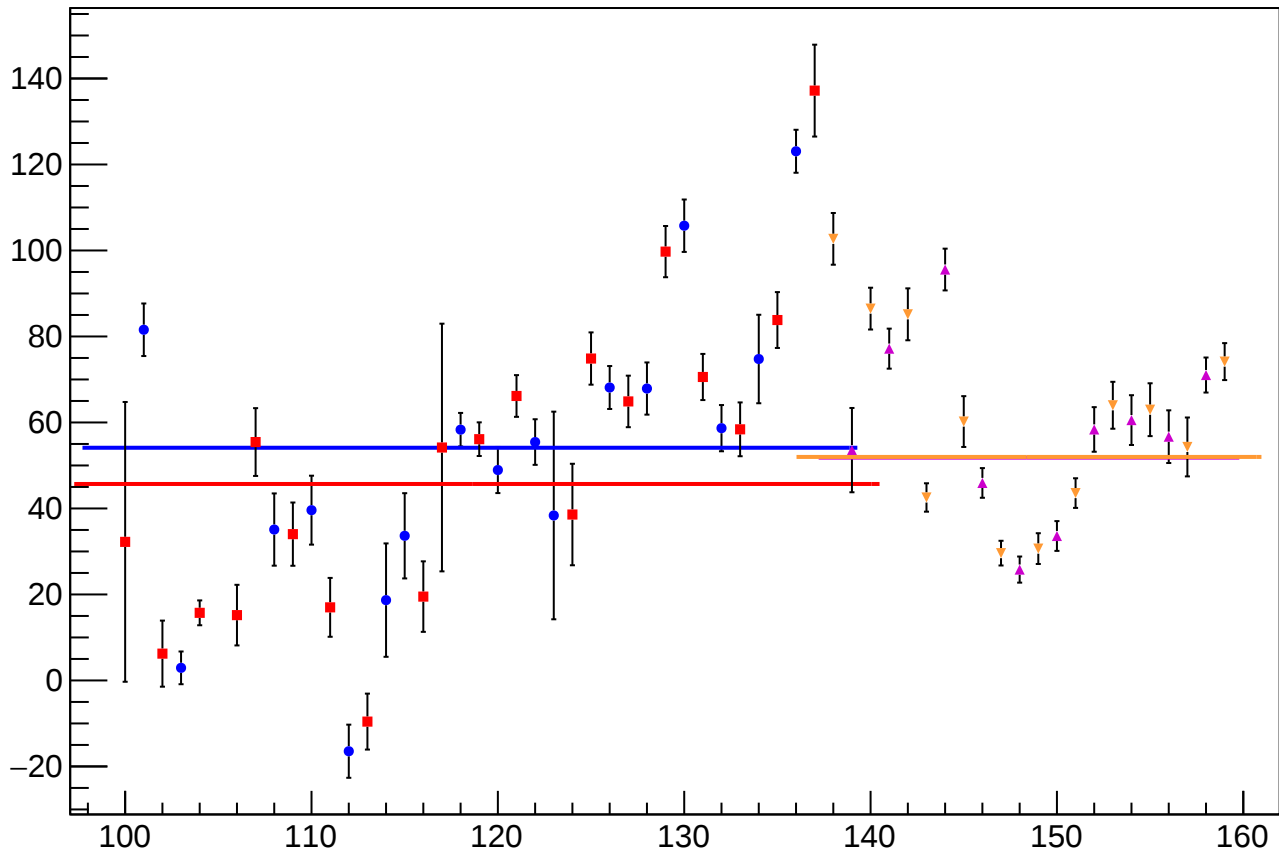
Right Out: 256.418 $\pm$ 2.077 χ^2/NDF : 6453.9/19

Left In: 281.177 $\pm$ 1.672 χ^2/NDF : 328.7/9

263.090 $\pm$ 1.271 χ^2/NDF : 6507.2/28

271.441 $\pm$ 1.302 χ^2/NDF : 6868.9/29

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119+/-1.438 χ^2/NDF : 633.9/16

Left Out: 51.984+/-1.253 χ^2/NDF : 298.6/11

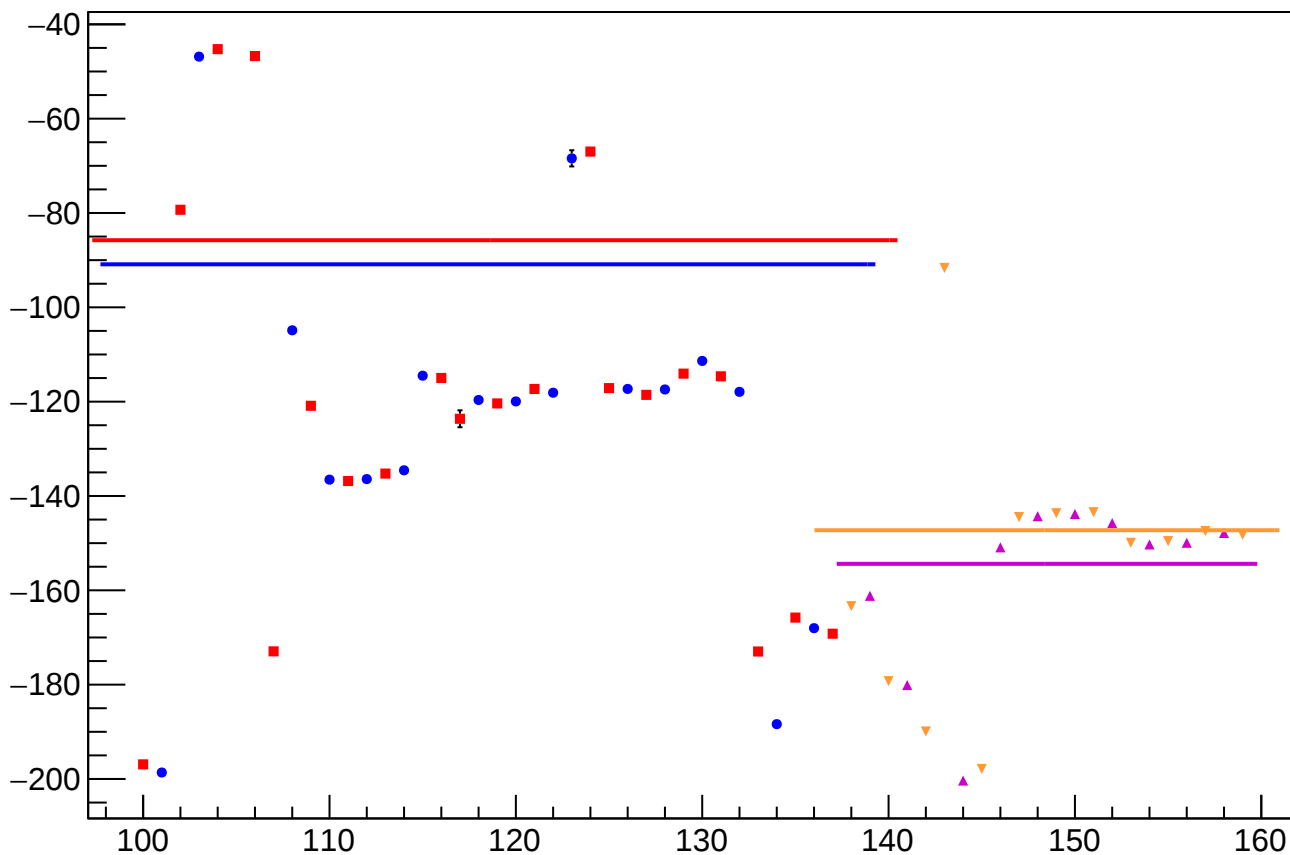
Right Out: 45.694+/-1.356 χ^2/NDF : 531.1/19

Left In: 51.817+/-1.375 χ^2/NDF : 241.7/9

52.906+/-0.945 χ^2/NDF : 933.8/28

48.711+/-0.965 χ^2/NDF : 782.9/29

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.881+/-0.068 χ^2/NDF : 533423.8/16

Left Out: -147.262+/-0.063 χ^2/NDF : 186798.1/11

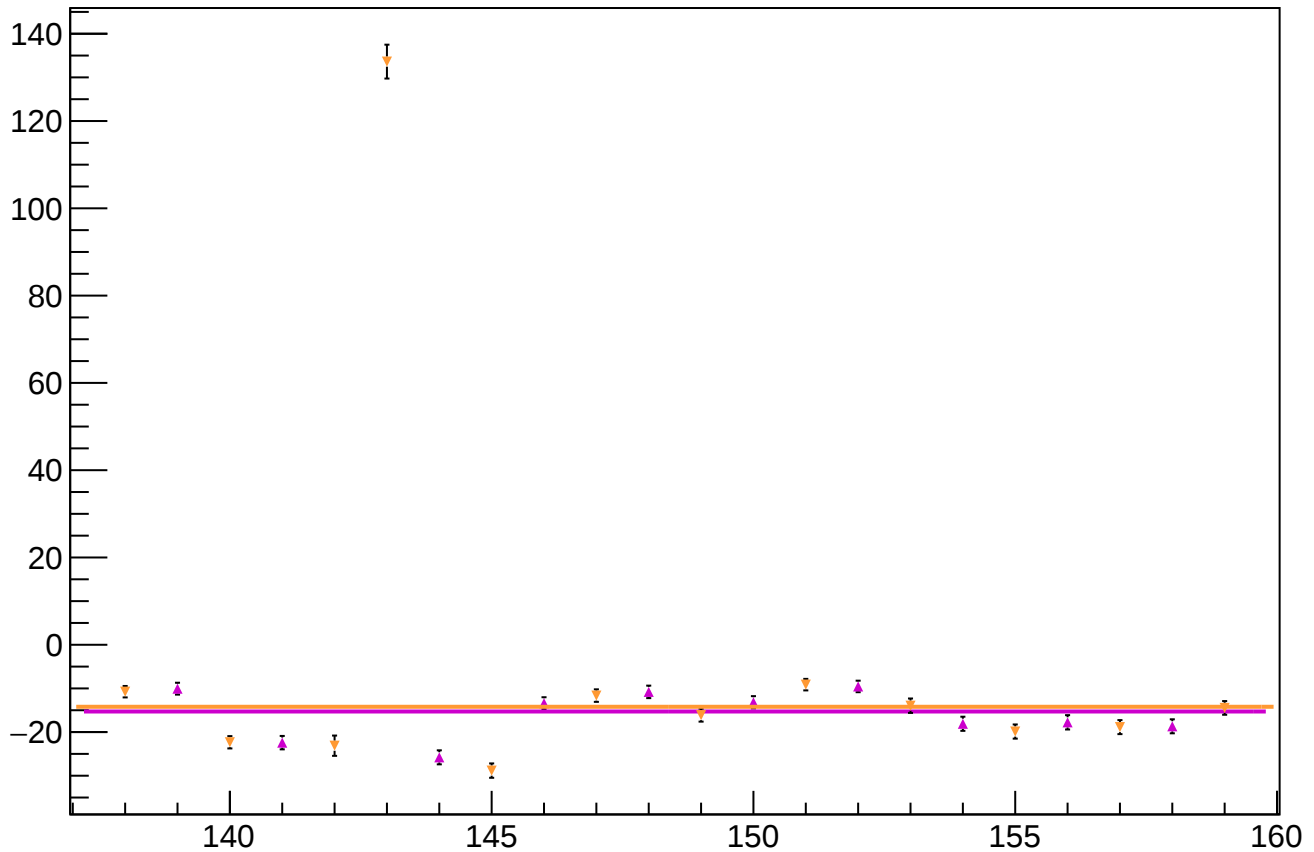
Right Out: -85.772+/-0.065 χ^2/NDF : 494629.5/19

Left In: -154.387+/-0.067 χ^2/NDF : 52597.8/9

-121.117+/-0.046 χ^2/NDF : 1091583.8/28

-119.126+/-0.047 χ^2/NDF : 1088531.8/29

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



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

Left Out: -14.205 $\pm$ 0.459 χ^2 /NDF:1624.5/11

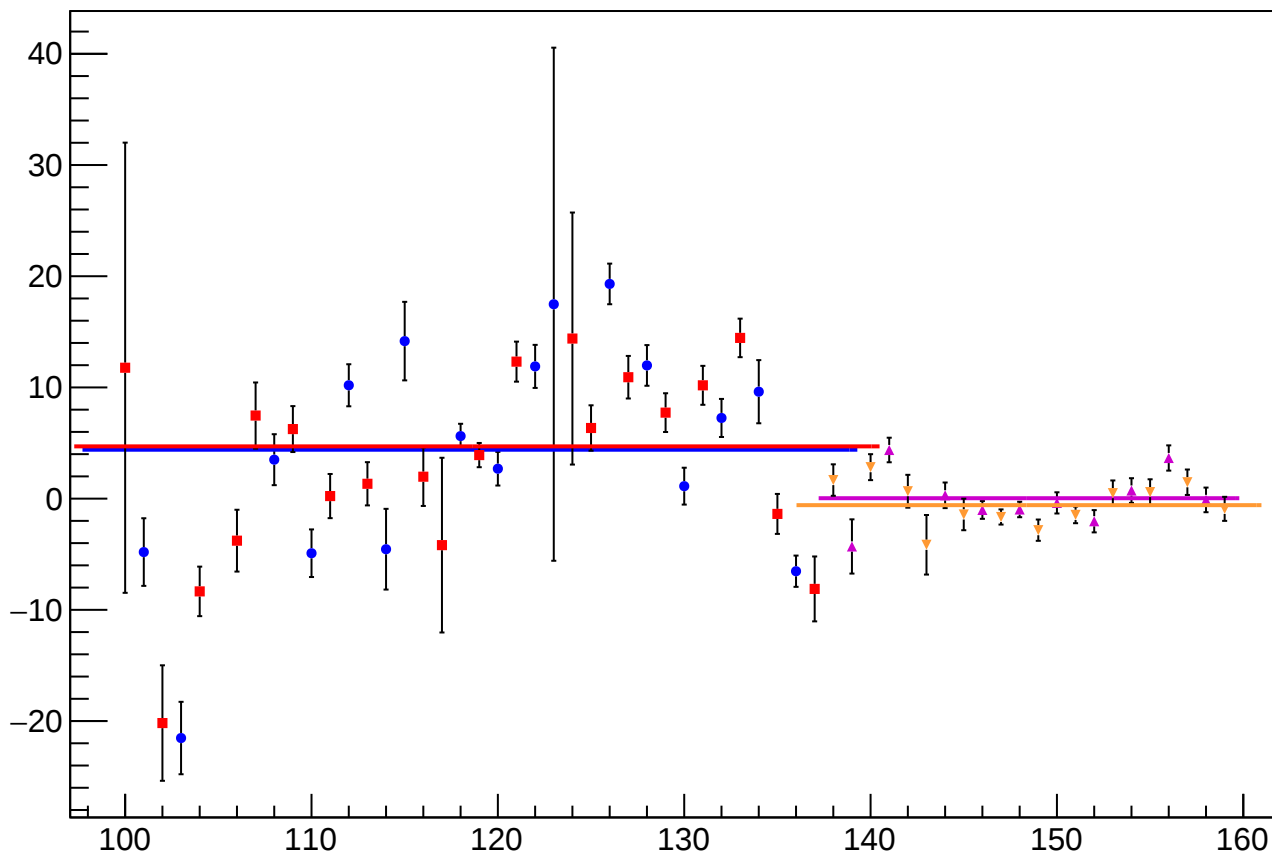
-14.205 $\pm$ 0.459 χ^2 /NDF: 1624.5/11

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

-15.288 $\pm$ 0.467 χ^2 /NDF: 121.6/9

Left In: -15.288 $\pm$ 0.467 χ^2 /NDF:121.6/9

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.399 $\pm$ 0.471 χ^2 /NDF: 286.8/16

Left Out: -0.586 $\pm$ 0.309 χ^2 /NDF: 28.6/11

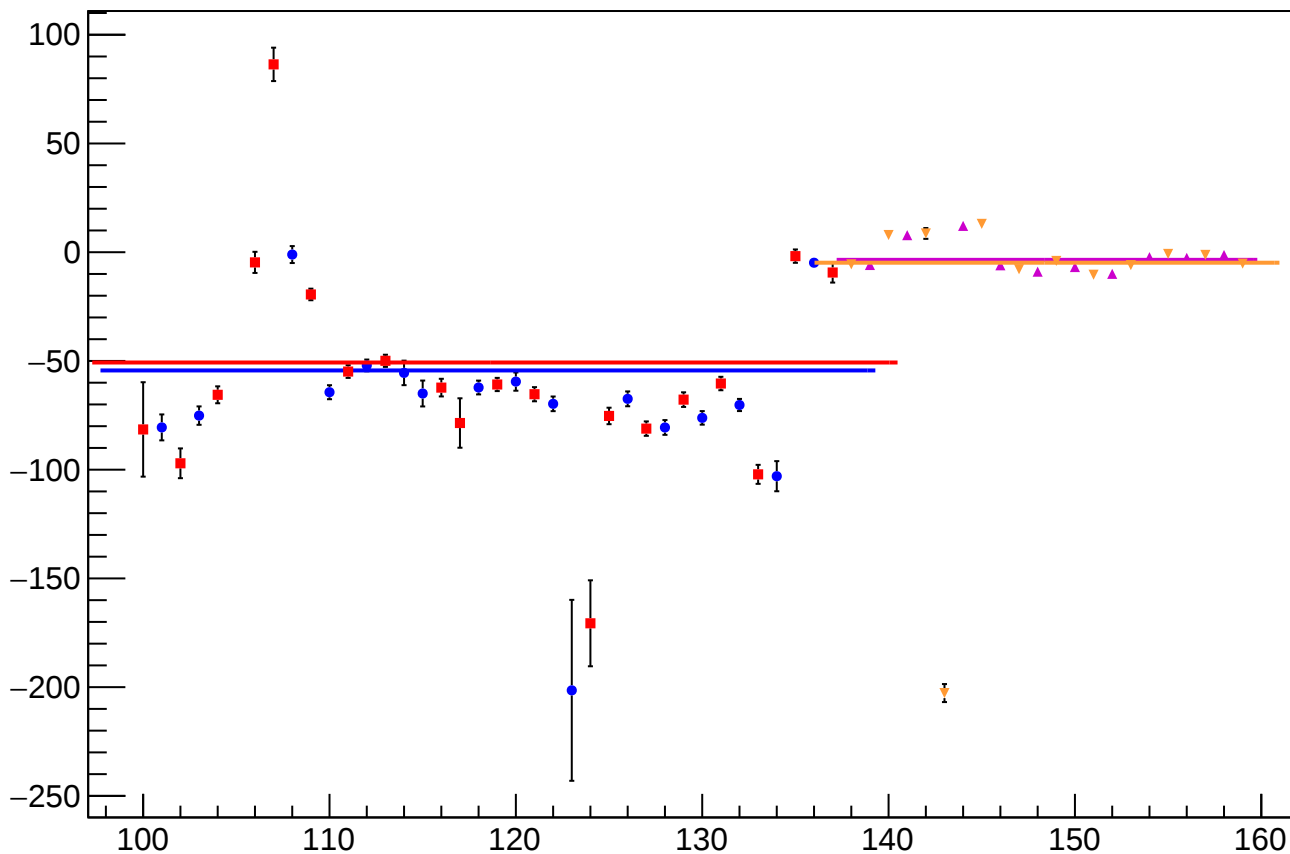
Right Out: 4.700 $\pm$ 0.472 χ^2 /NDF: 184.2/19

Left In: 0.038 $\pm$ 0.318 χ^2 /NDF: 37.5/9

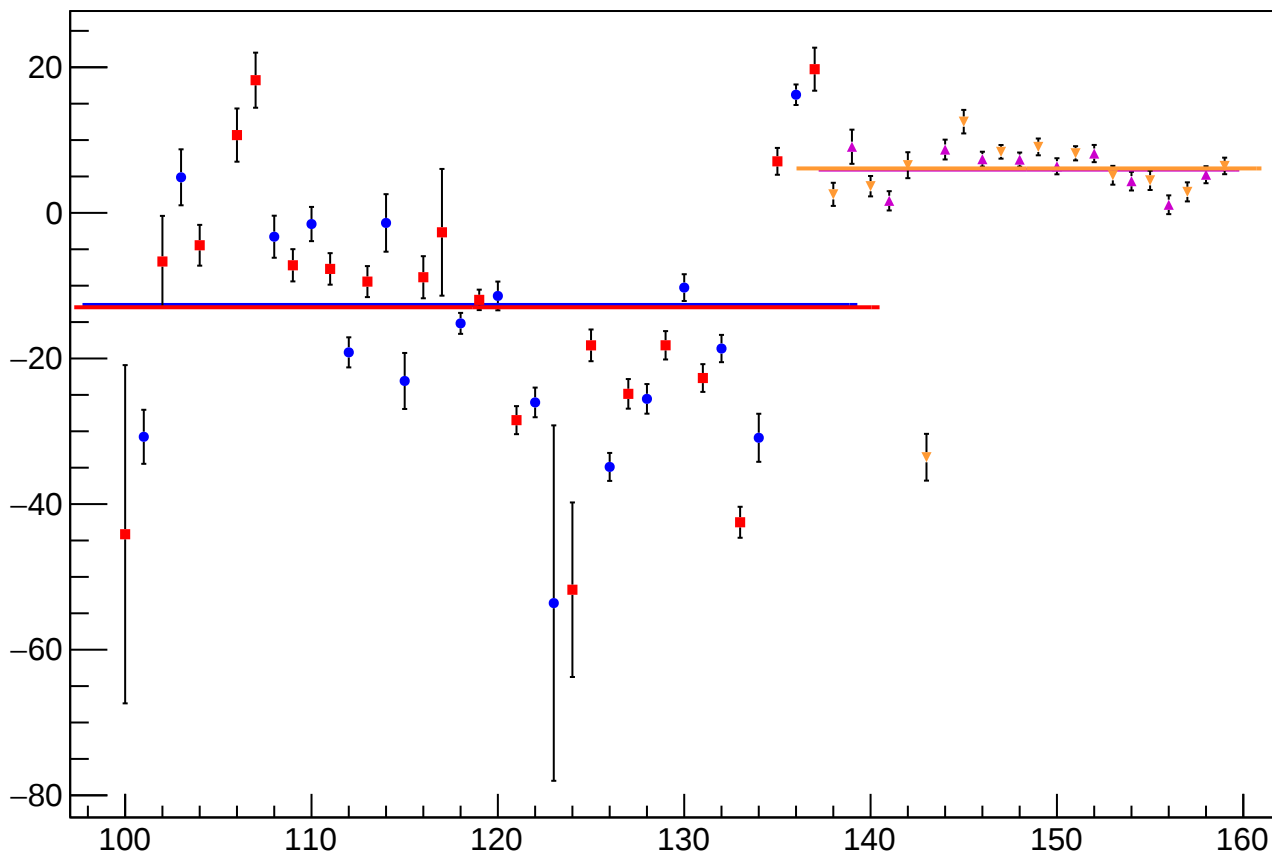
0.911 $\pm$ 0.258 χ^2 /NDF: 393.8/28

1.494 $\pm$ 0.264 χ^2 /NDF: 288.7/29

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 6.103 ± 0.374 χ^2/NDF : 201.7/11

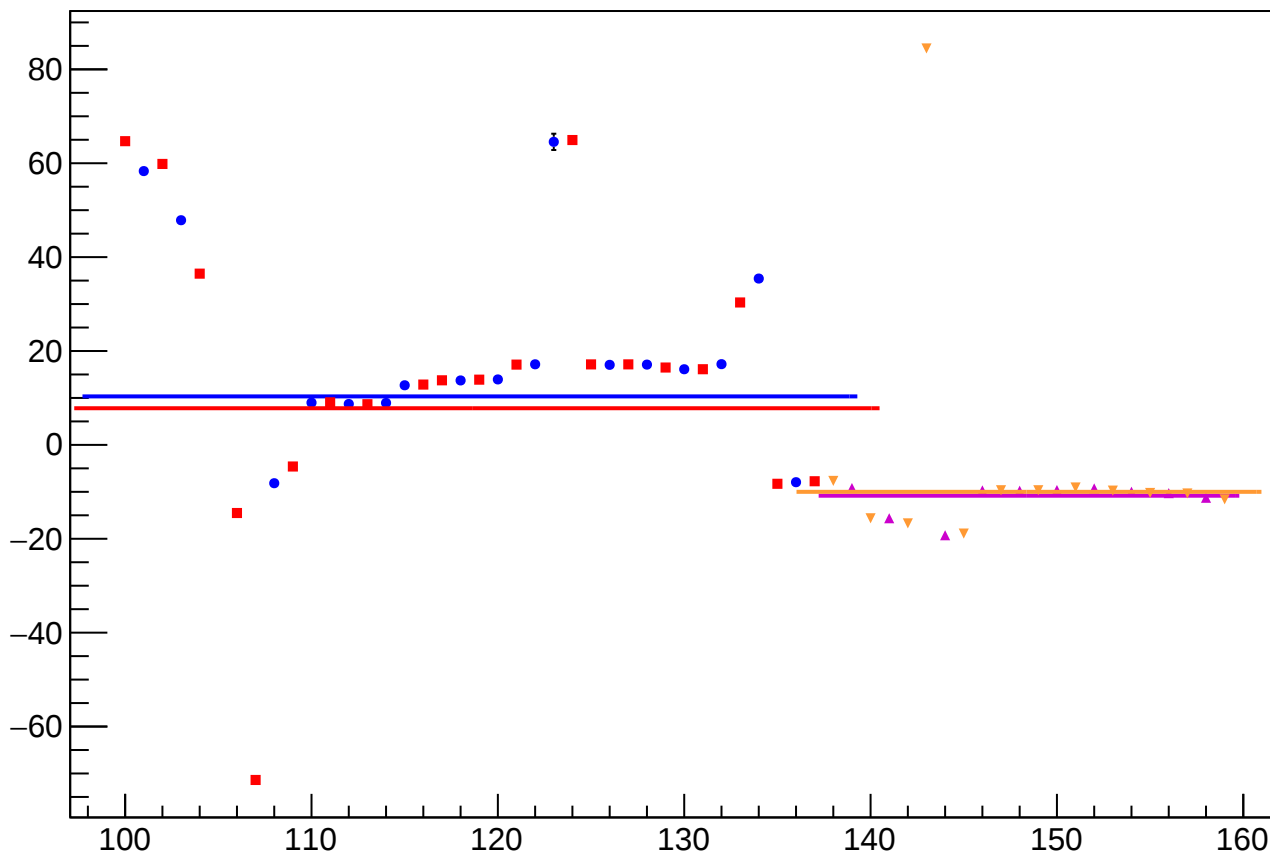
Right Out: -12.965 ± 0.536 χ^2/NDF : 722.8/19

Left In: 5.942 ± 0.384 χ^2/NDF : 39.9/9

-0.024 ± 0.307 χ^2/NDF : 1813.2/28

-0.465 ± 0.312 χ^2/NDF : 1583.8/29

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.330+/-0.031 χ^2/NDF : 380857.1/16

Left Out: -9.999+/-0.018 χ^2/NDF : 355763.0/11

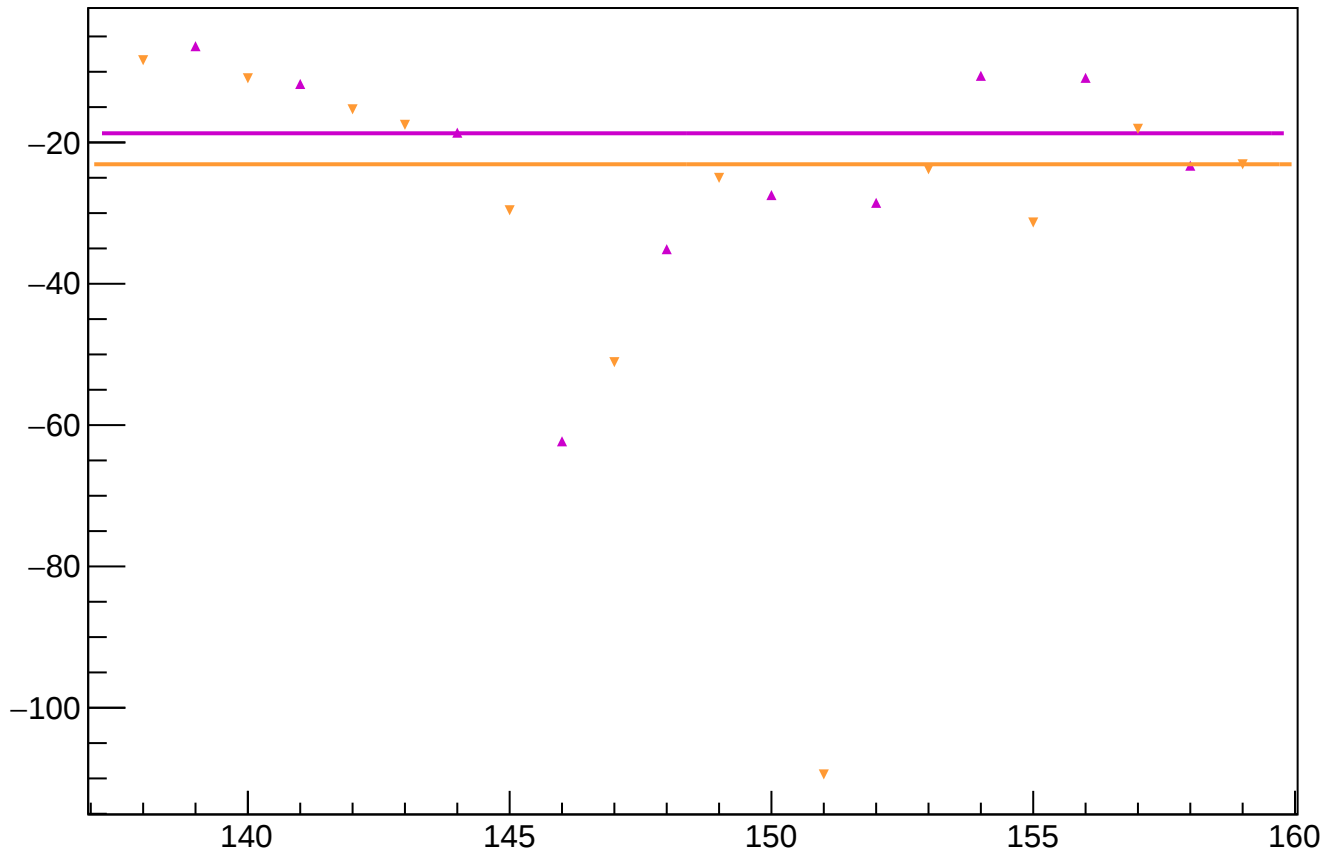
Right Out: 7.808+/-0.031 χ^2/NDF : 544249.7/19

Left In: -10.825+/-0.018 χ^2/NDF : 21382.9/9

-4.992+/-0.015 χ^2/NDF : 1067625.6/28

-6.277+/-0.015 χ^2/NDF : 834391.6/29

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

Left Out: -23.088 $\pm$ 0.076 χ^2/NDF : 50366.3/11

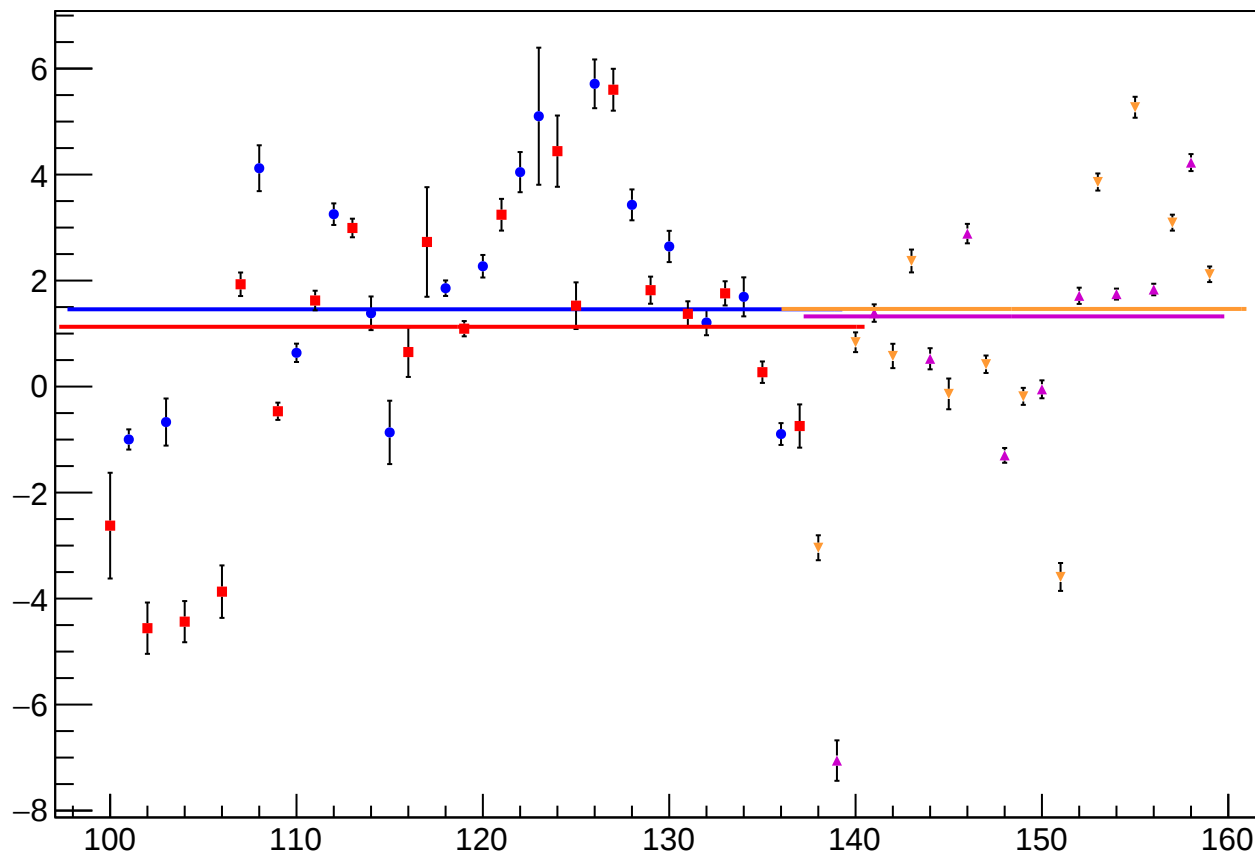
Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -18.704 $\pm$ 0.068 χ^2/NDF : 35750.0/9

-23.088 $\pm$ 0.076 χ^2/NDF : 50366.3/11

-18.704 $\pm$ 0.068 χ^2/NDF : 35750.0/9

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 ± 0.062 χ^2/NDF : 698.2/16

Left Out: 1.465 ± 0.054 χ^2/NDF : 1682.7/11

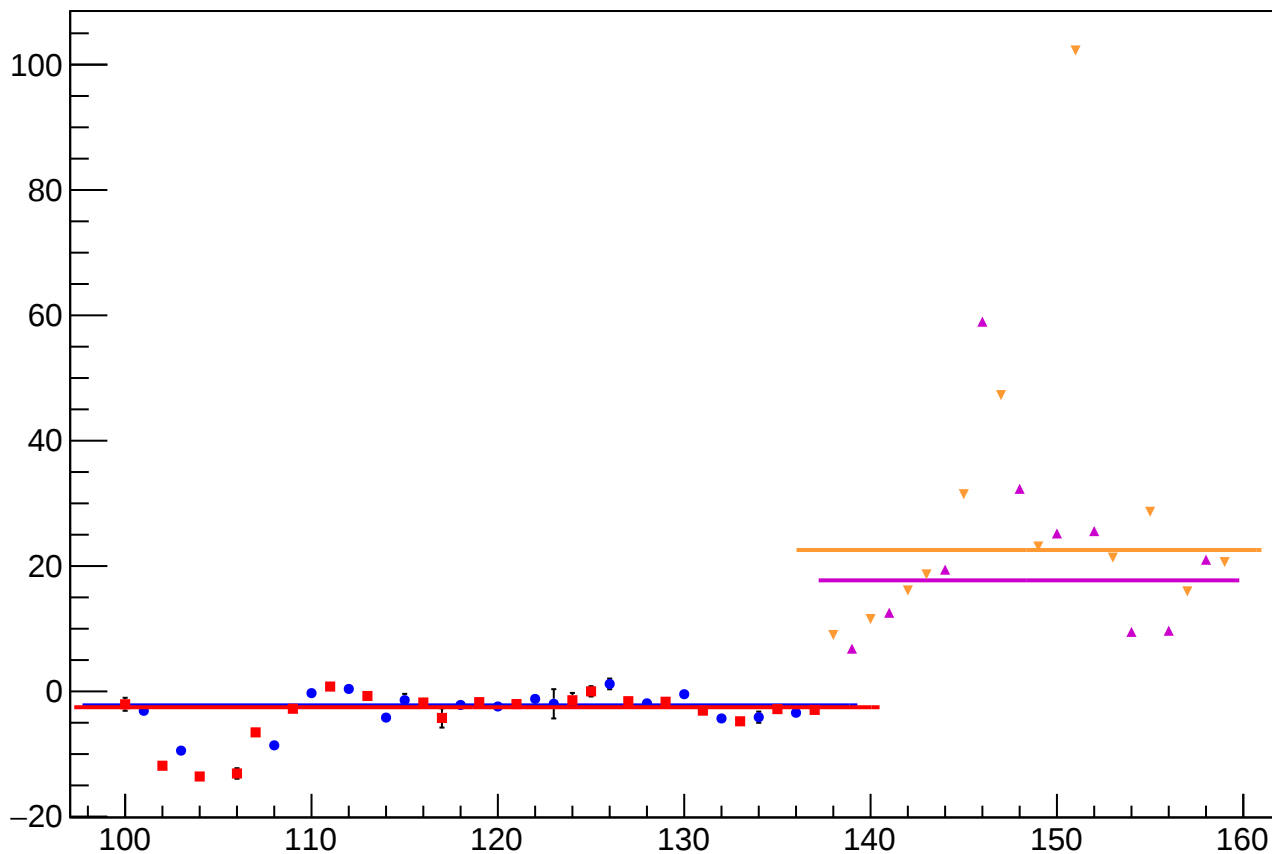
Right Out: 1.128 ± 0.058 χ^2/NDF : 949.8/19

Left In: 1.324 ± 0.047 χ^2/NDF : 1362.0/9

1.462 ± 0.041 χ^2/NDF : 2380.9/28

1.246 ± 0.037 χ^2/NDF : 2318.6/29

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 22.561 ± 0.074 χ^2/NDF : 45582.2/11

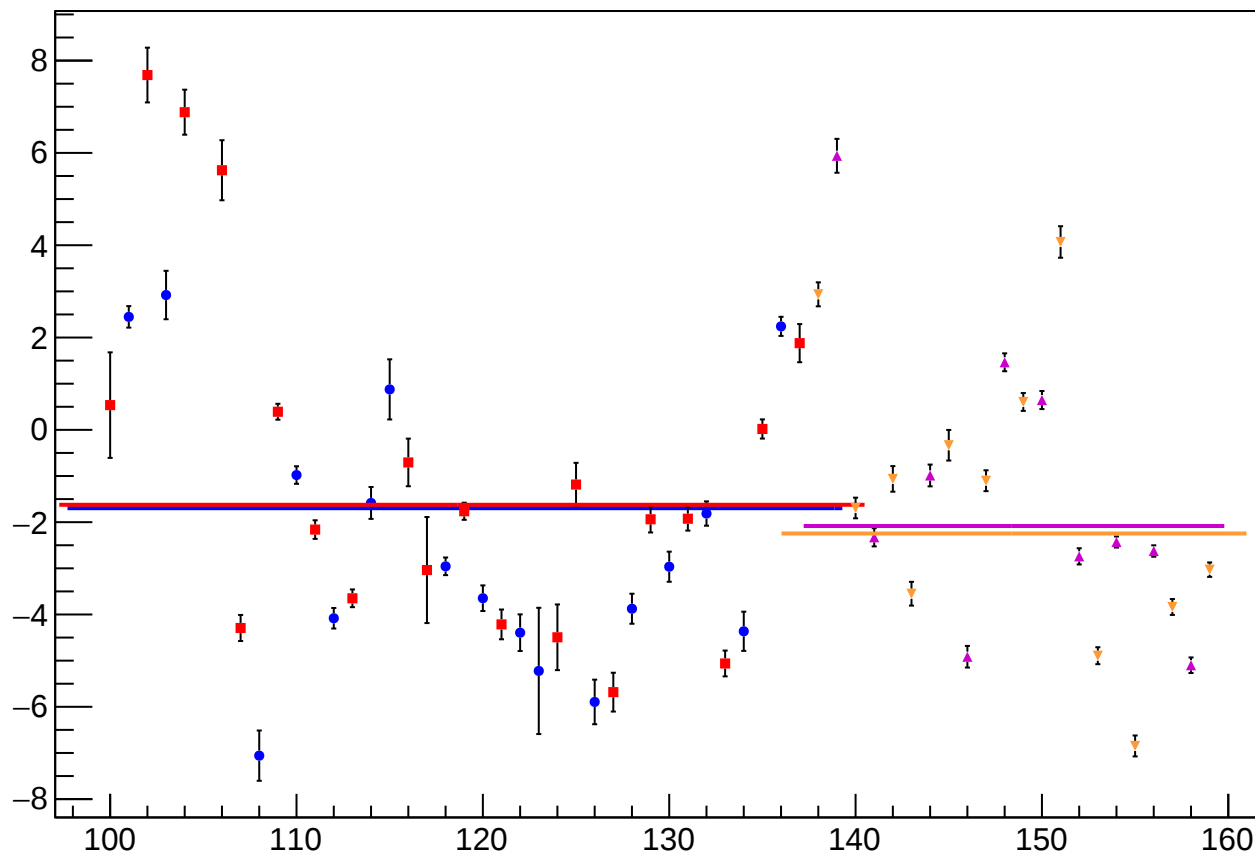
Right Out: -2.527 ± 0.099 χ^2/NDF : 905.2/19

Left In: 17.717 ± 0.066 χ^2/NDF : 33712.9/9

14.915 ± 0.062 χ^2/NDF : 80367.8/28

11.488 ± 0.055 χ^2/NDF : 63700.3/29

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 ± 0.071 $\chi^2/\text{NDF}: 1319.4/16$

Left Out: -2.246 ± 0.063 $\chi^2/\text{NDF}: 1795.6/11$

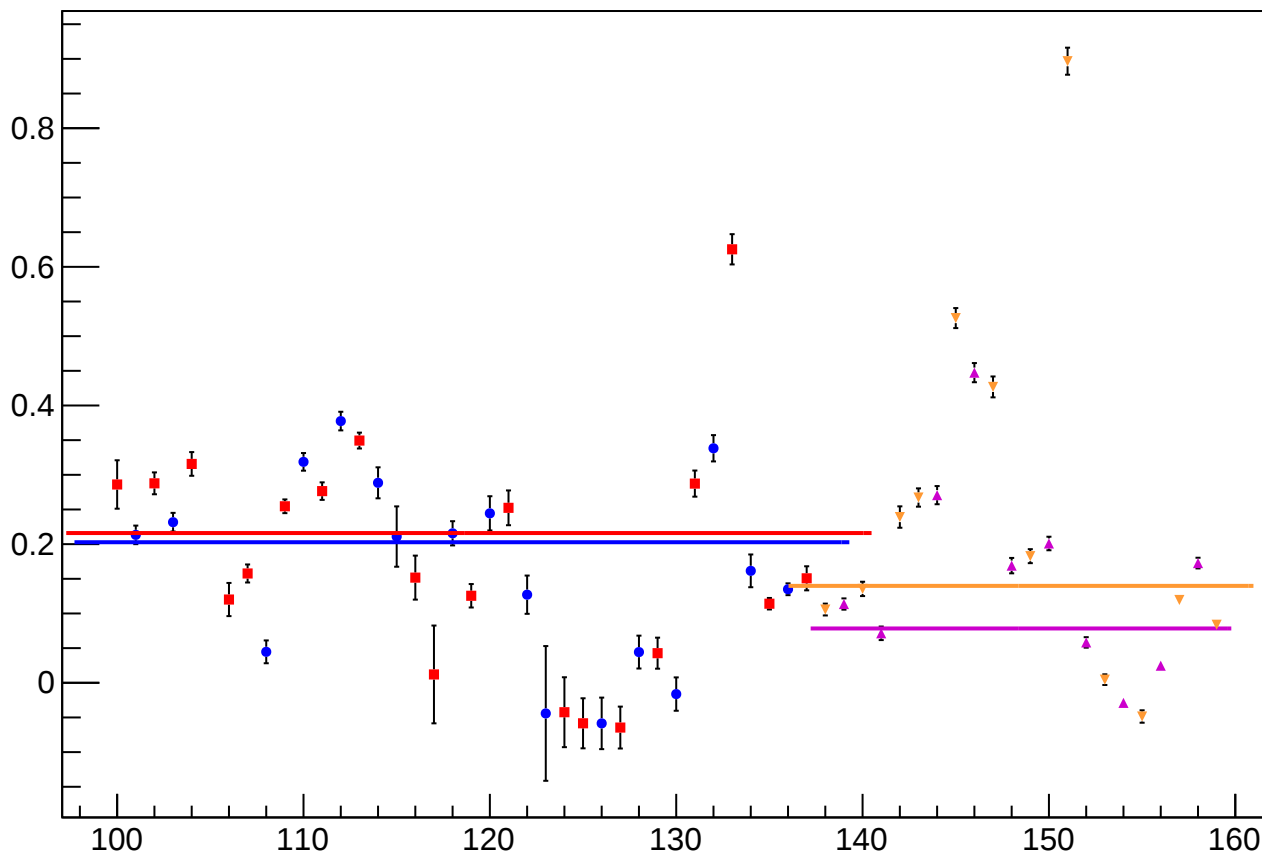
Right Out: -1.623 ± 0.066 $\chi^2/\text{NDF}: 1490.8/19$

Left In: -2.083 ± 0.055 $\chi^2/\text{NDF}: 1535.7/9$

-2.004 ± 0.047 $\chi^2/\text{NDF}: 3148.3/28$

-1.891 ± 0.042 $\chi^2/\text{NDF}: 3055.2/29$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.160 ± 0.002 χ^2/NDF : 4402.7/28

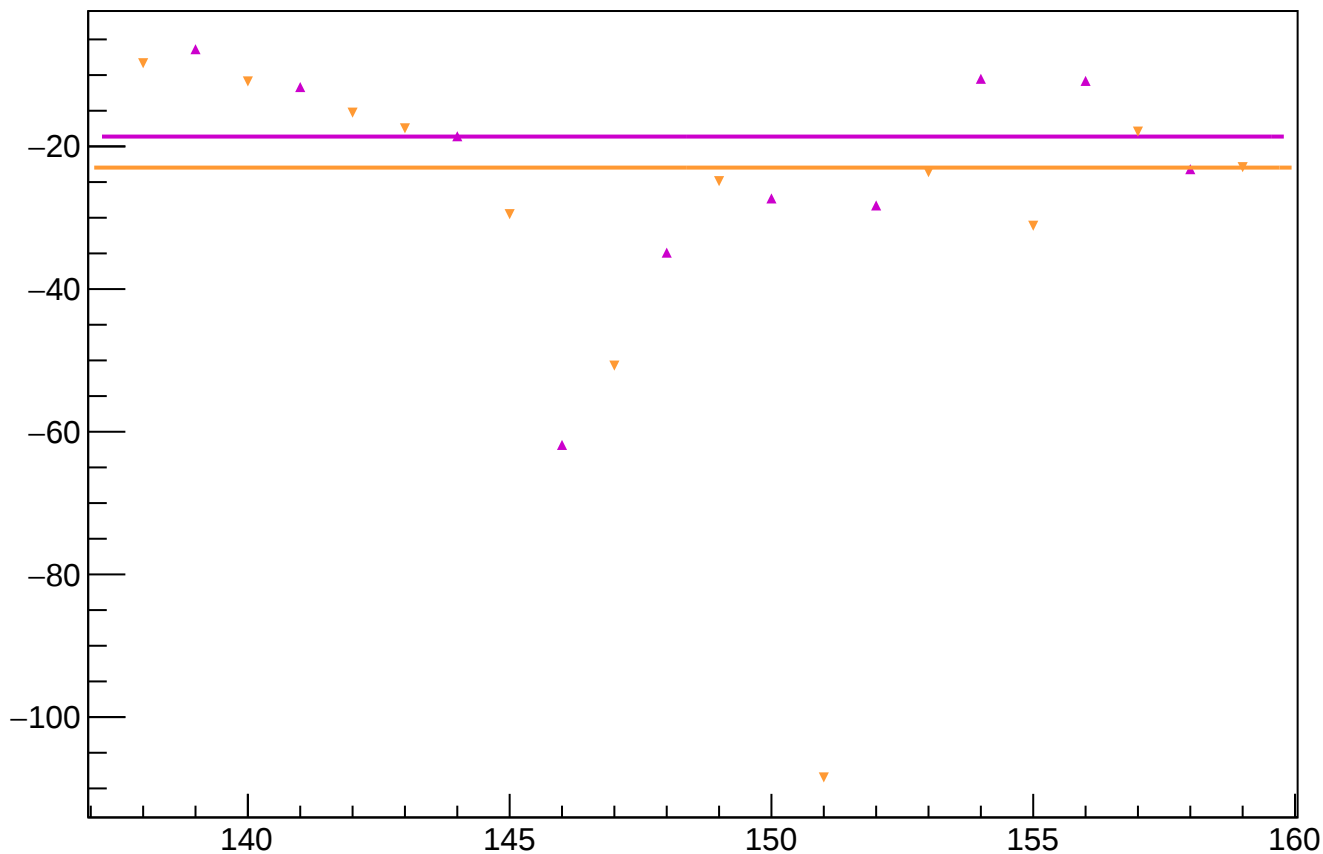
Right Out: 0.216 ± 0.004 χ^2/NDF : 1072.8/19

Left In: 0.078 ± 0.002 χ^2/NDF : 1928.3/9

0.160 ± 0.002 χ^2/NDF : 4402.7/28

0.119 ± 0.002 χ^2/NDF : 3979.1/29

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -22.970 ± 0.075 χ^2/NDF : 50256.9/11

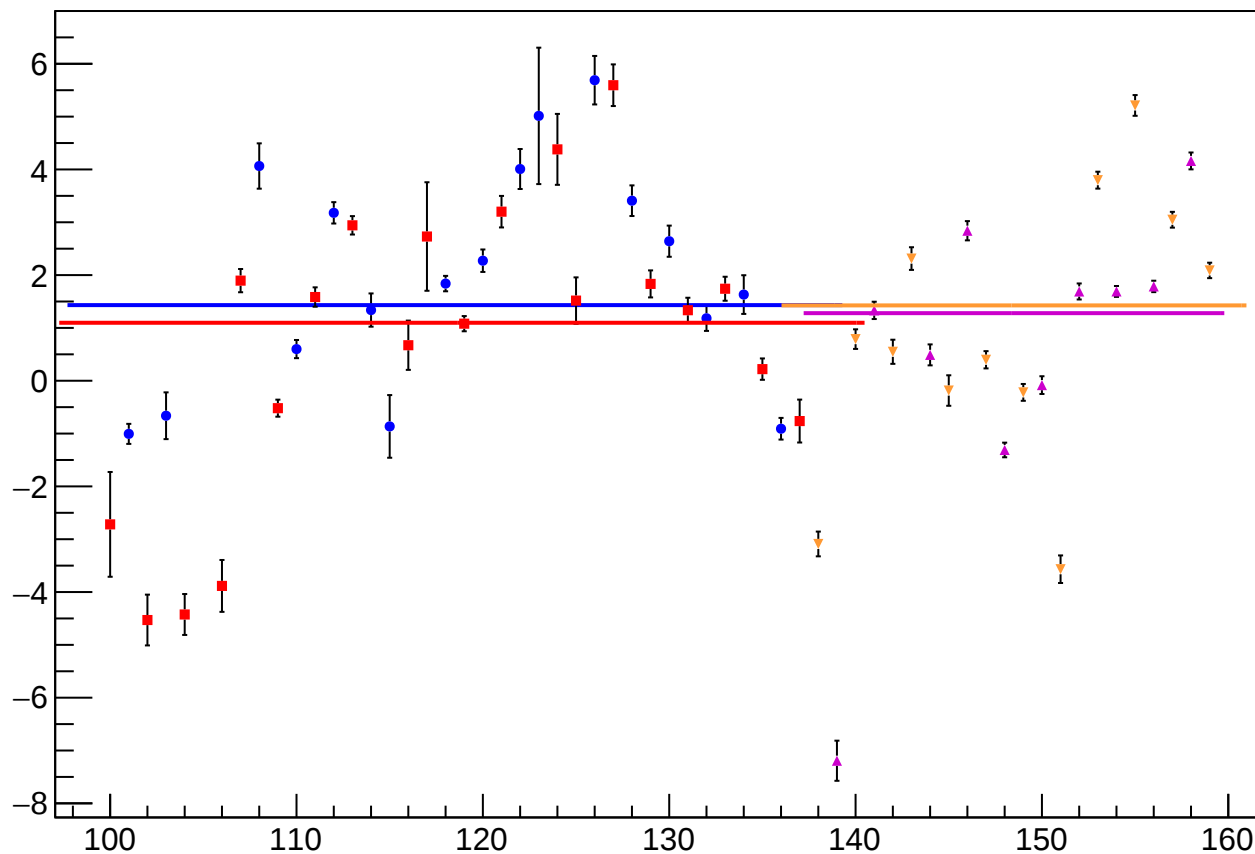
Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -18.620 ± 0.068 χ^2/NDF : 35671.9/9

-22.970 ± 0.075 χ^2/NDF : 50256.9/11

-18.620 ± 0.068 χ^2/NDF : 35671.9/9

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 $\pm$ 0.062 χ^2/NDF : 696.6/16

Left Out: 1.426 $\pm$ 0.054 χ^2/NDF :1688.3/11

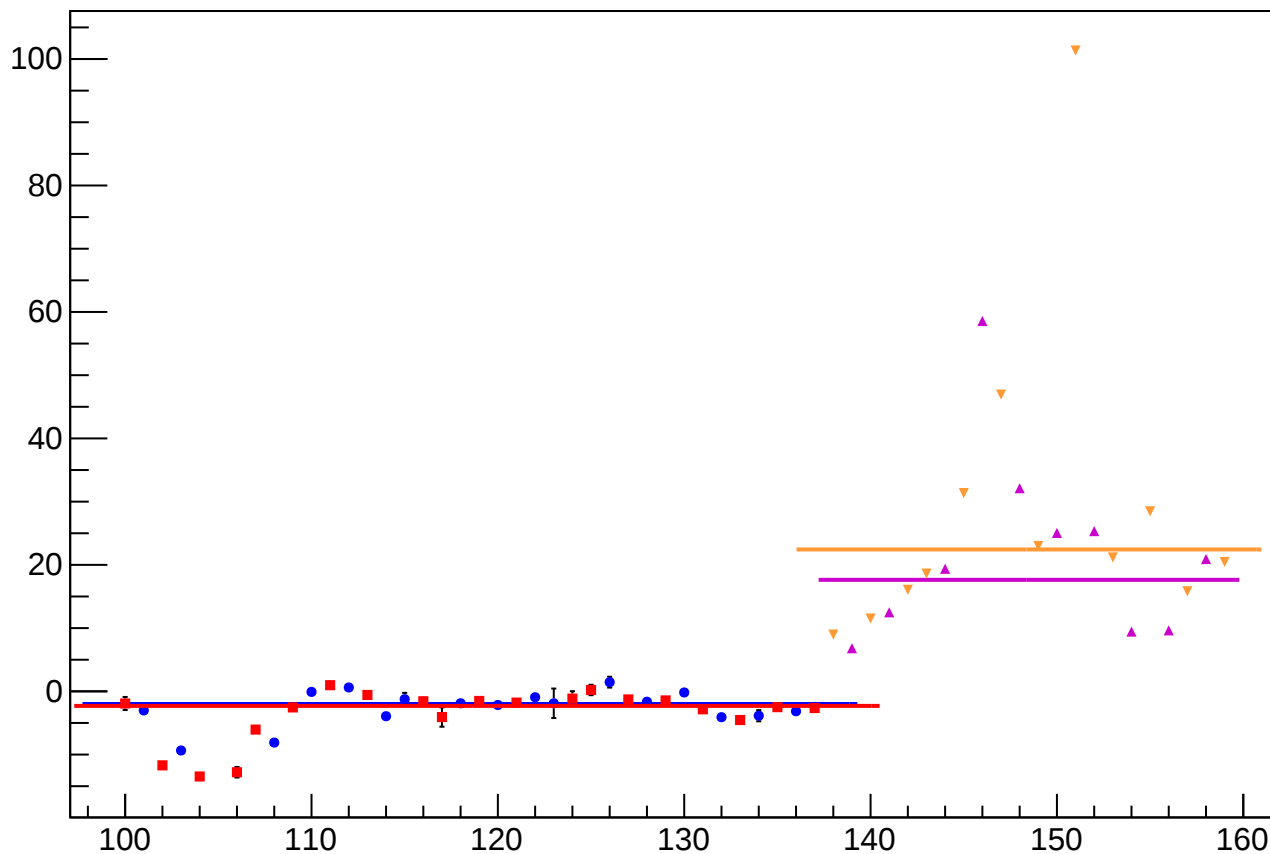
Right Out: 1.098 $\pm$ 0.058 χ^2/NDF : 955.7/19

Left In: 1.279 $\pm$ 0.047 χ^2/NDF :1372.4/9

1.429 $\pm$ 0.040 χ^2/NDF : 2384.9/28

1.207 $\pm$ 0.037 χ^2/NDF : 2334.0/29

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 22.439 ± 0.074 χ^2/NDF : 45504.4/11

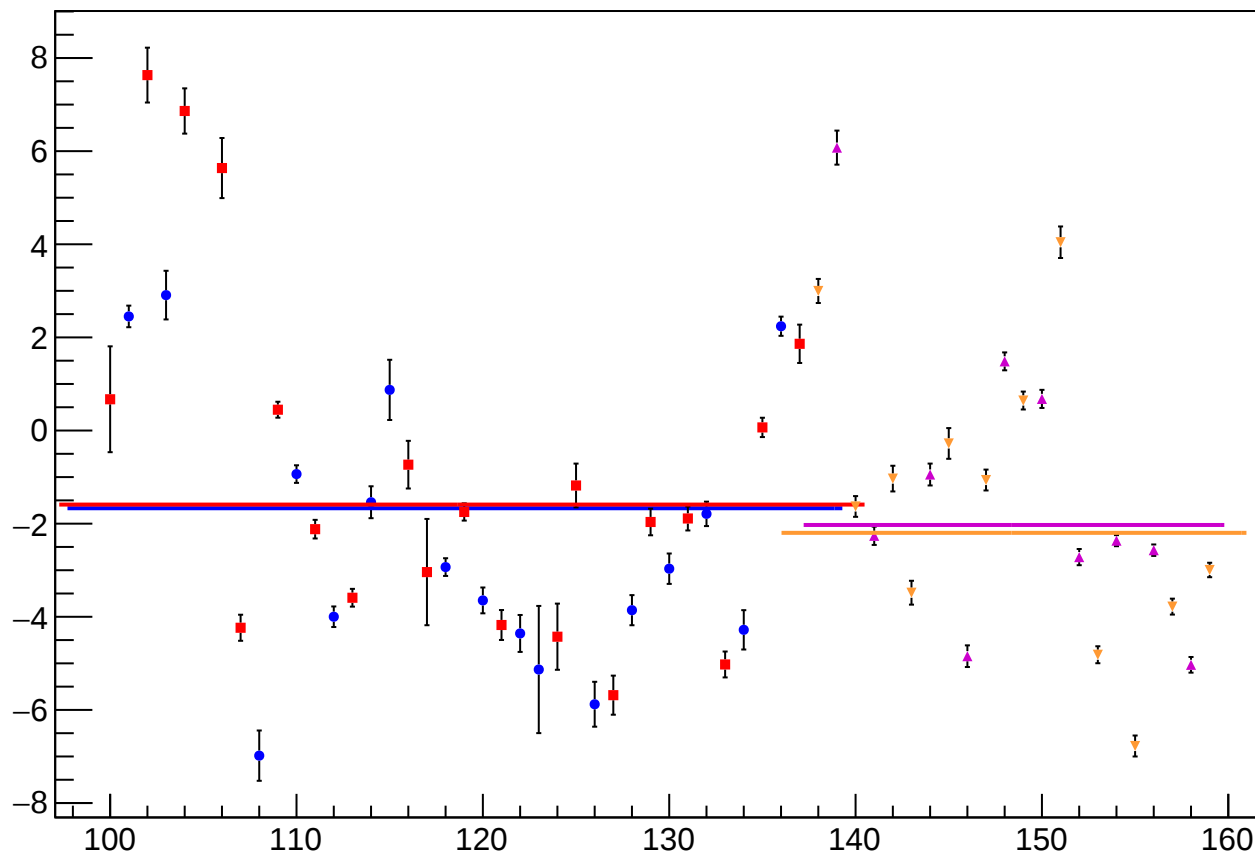
Right Out: -2.302 ± 0.098 χ^2/NDF : 908.6/19

Left In: 17.636 ± 0.065 χ^2/NDF : 33646.7/9

14.914 ± 0.061 χ^2/NDF : 79705.4/28

11.508 ± 0.054 χ^2/NDF : 63077.6/29

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -2.197 ± 0.063 χ^2/NDF : 1802.9/11

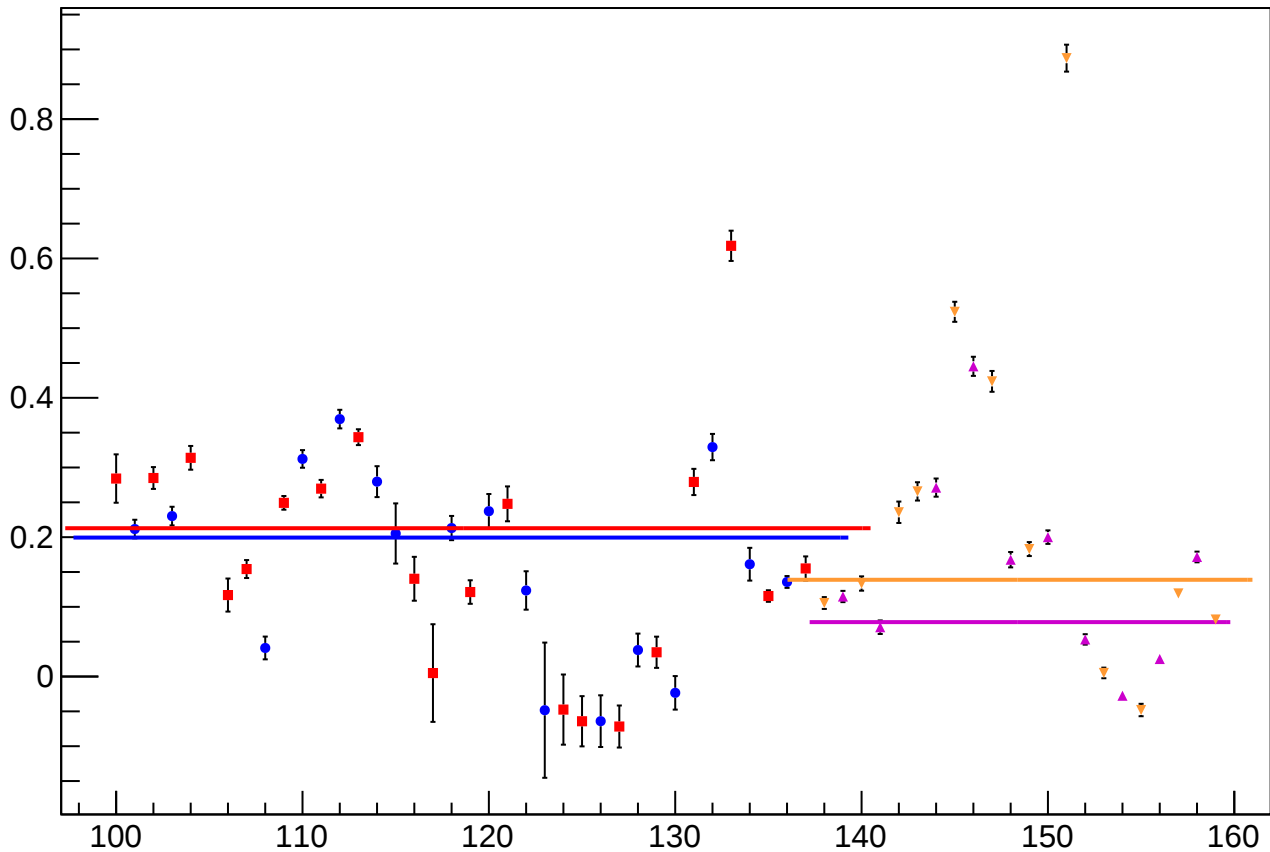
Right Out: -1.590 ± 0.065 χ^2/NDF : 1496.3/19

Left In: -2.028 ± 0.055 χ^2/NDF : 1550.2/9

-1.965 ± 0.047 χ^2/NDF : 3149.0/28

-1.846 ± 0.042 χ^2/NDF : 3072.8/29

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 $\pm$ 0.004 χ^2 /NDF: 662.1/16

Left Out: 0.139 $\pm$ 0.003 χ^2 /NDF: 3562.1/11

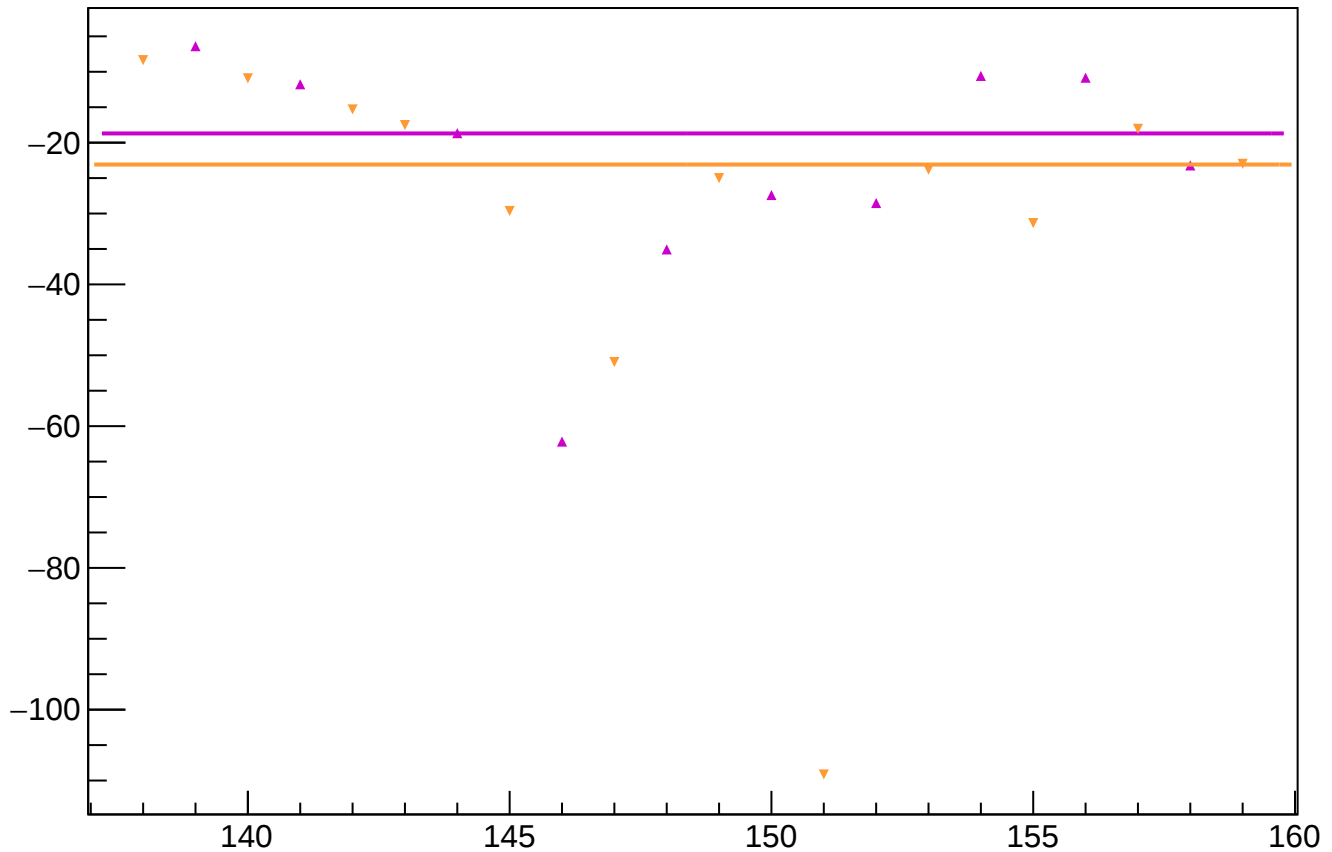
Right Out: 0.213 $\pm$ 0.004 χ^2 /NDF: 1057.0/19

Left In: 0.078 $\pm$ 0.002 χ^2 /NDF: 1928.5/9

0.158 $\pm$ 0.002 χ^2 /NDF: 4371.6/28

0.118 $\pm$ 0.002 χ^2 /NDF: 3932.7/29

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



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

Left Out: -23.088±/-0.076 χ^2/NDF : 50367.5/11

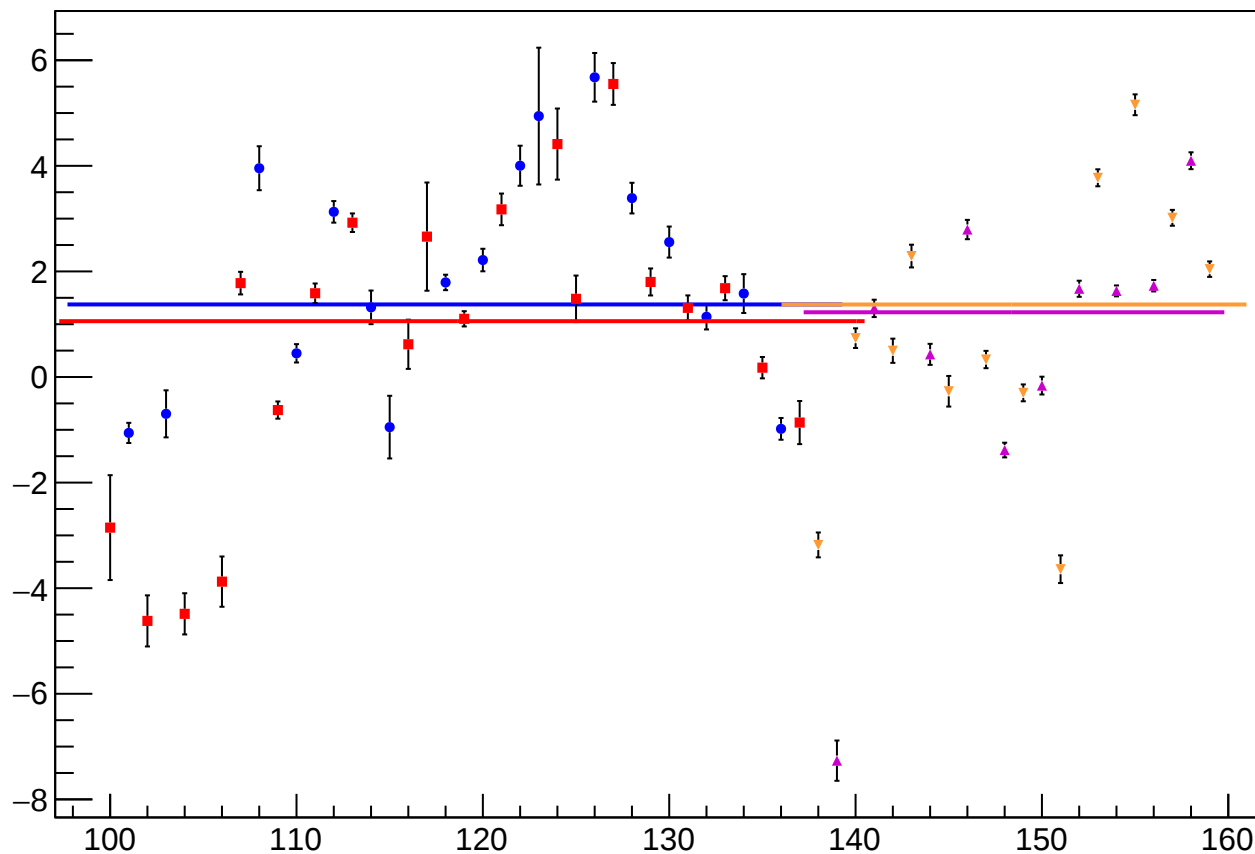
Right Out: 0.000±/-0.000 χ^2/NDF : 0.0/0

Left In: -18.700±/-0.068 χ^2/NDF : 35760.8/9

-23.088±/-0.076 χ^2/NDF : 50367.5/11

-18.700±/-0.068 χ^2/NDF : 35760.8/9

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.375 ± 0.062 $\chi^2/\text{NDF}: 702.4/16$

Left Out: 1.373 ± 0.054 $\chi^2/\text{NDF}: 1696.2/11$

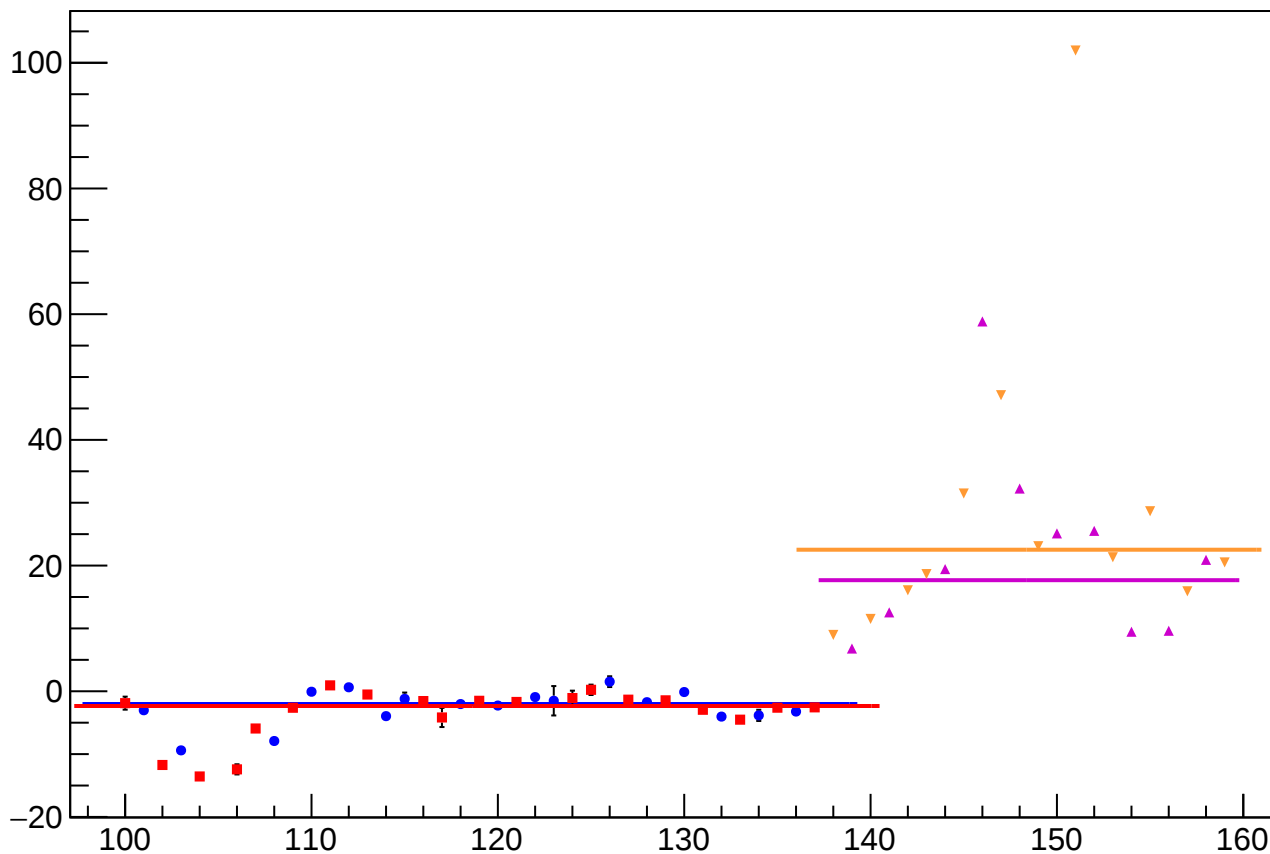
Right Out: 1.058 ± 0.058 $\chi^2/\text{NDF}: 966.5/19$

Left In: 1.226 ± 0.047 $\chi^2/\text{NDF}: 1372.1/9$

1.374 ± 0.041 $\chi^2/\text{NDF}: 2398.7/28$

1.159 ± 0.037 $\chi^2/\text{NDF}: 2343.7/29$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 22.522 ± 0.074 χ^2/NDF : 45599.4/11

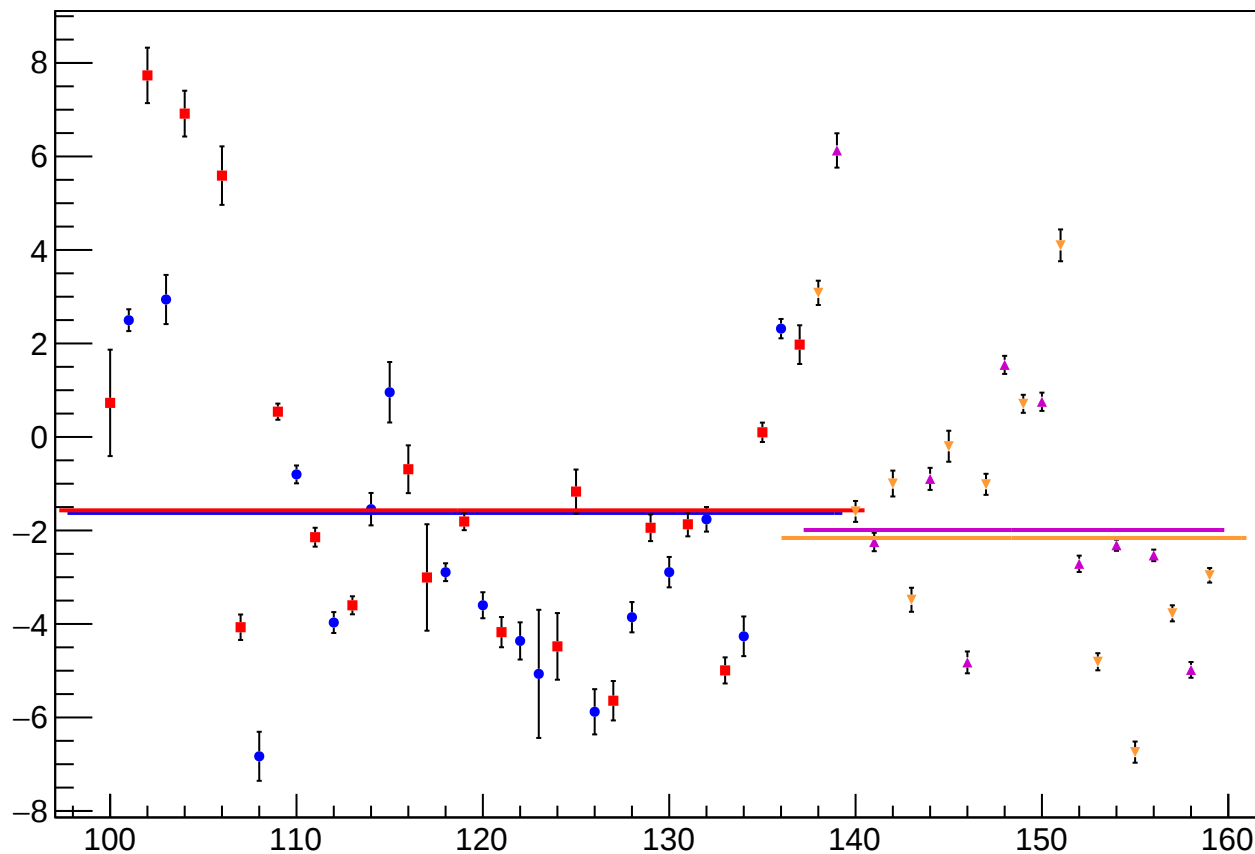
Right Out: -2.344 ± 0.099 χ^2/NDF : 903.4/19

Left In: 17.675 ± 0.066 χ^2/NDF : 33744.1/9

14.973 ± 0.062 χ^2/NDF : 79762.5/28

11.534 ± 0.055 χ^2/NDF : 63147.0/29

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 $\pm$ 0.071 χ^2/NDF : 1320.8/16

Left Out: -2.160 $\pm$ 0.063 χ^2/NDF : 1811.7/11

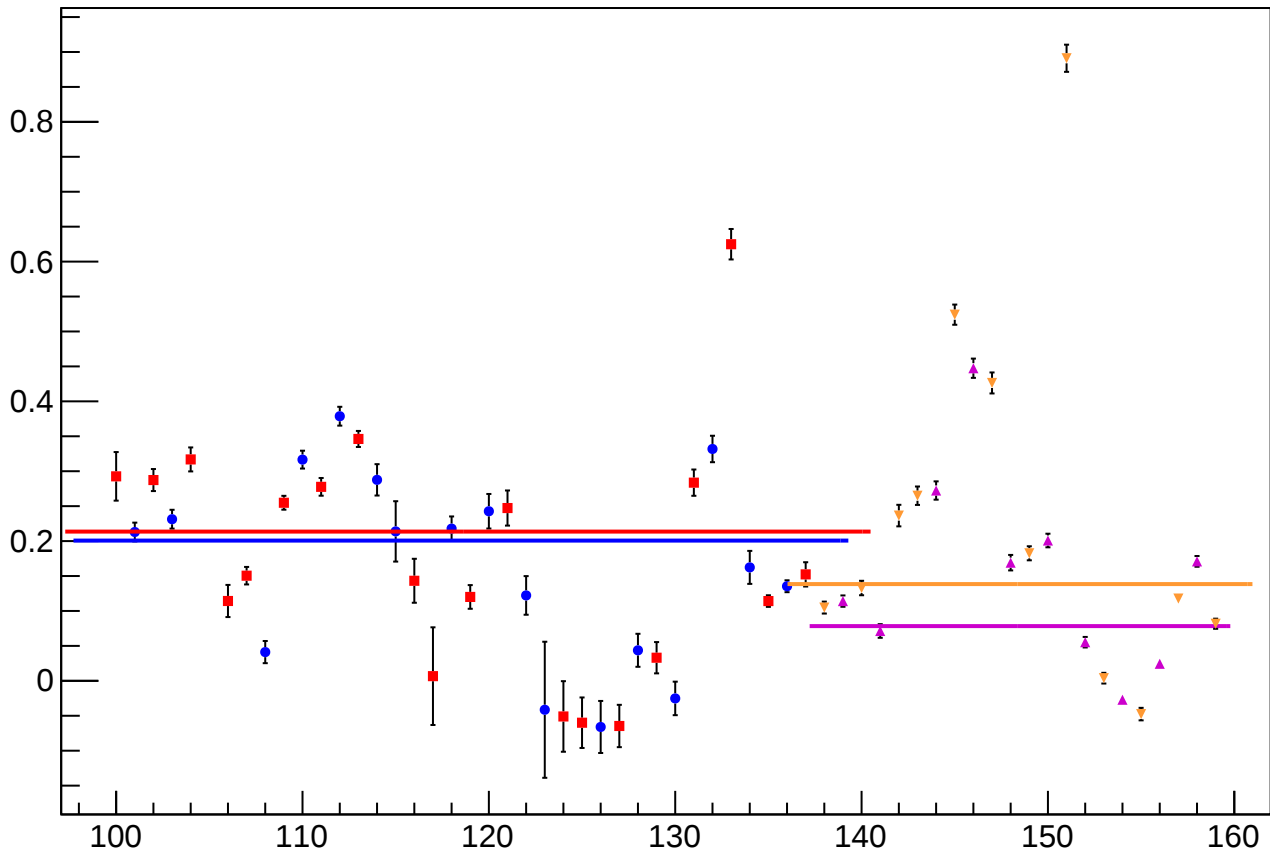
Right Out: -1.570 $\pm$ 0.065 χ^2/NDF : 1507.4/19

Left In: -1.990 $\pm$ 0.055 χ^2/NDF : 1550.4/9

-1.925 $\pm$ 0.047 χ^2/NDF : 3164.2/28

-1.815 $\pm$ 0.042 χ^2/NDF : 3081.8/29

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



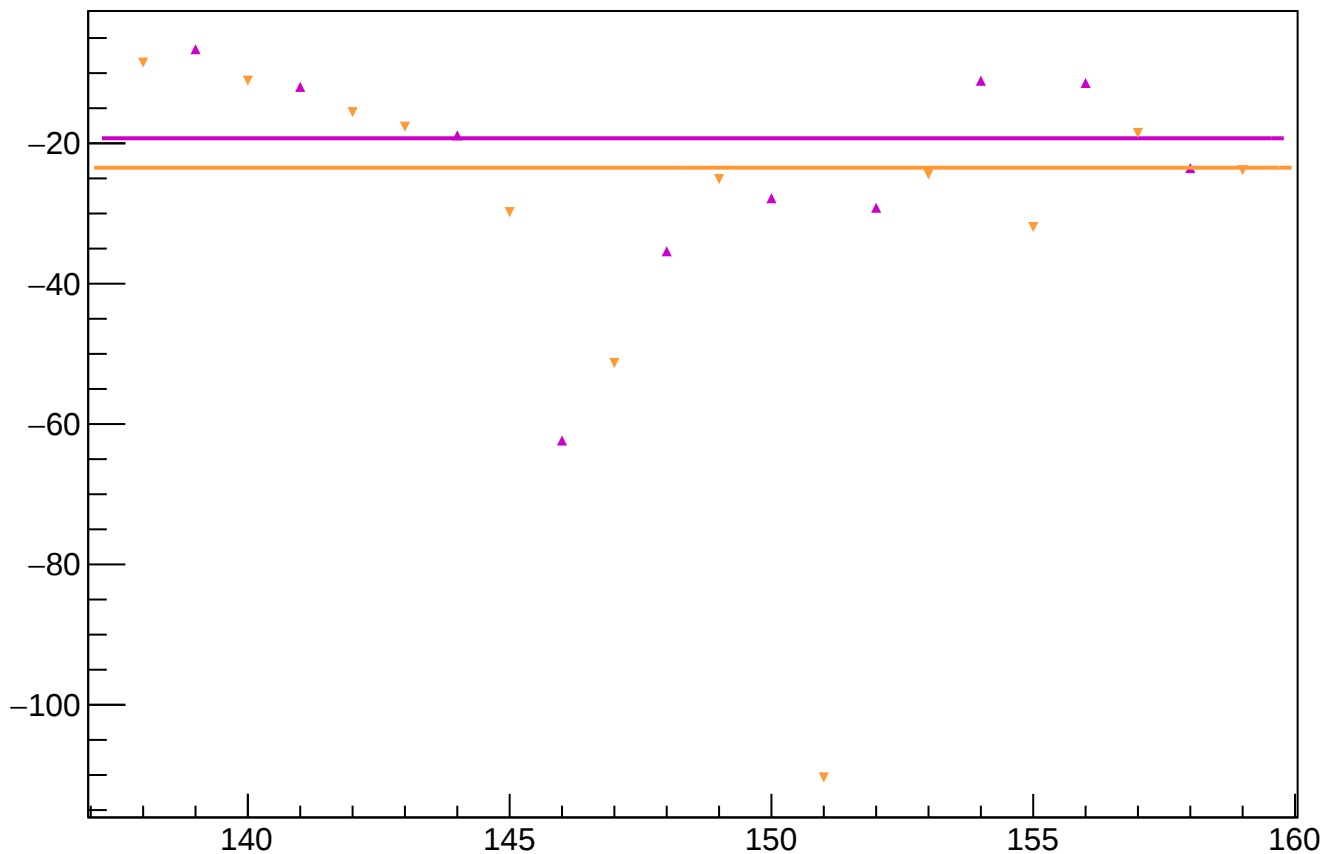
Right In: 0.201+/-0.004 χ^2/NDF : 690.6/16

Left Out: 0.158+/-0.002 χ^2/NDF : 4400.5/28

Right Out: 0.214+/-0.004 χ^2/NDF : 1089.2/19

Left In: 0.118+/-0.002 χ^2/NDF : 3963.7/29

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -23.475 ± 0.077 $\chi^2/\text{NDF}: 50225.4/11$

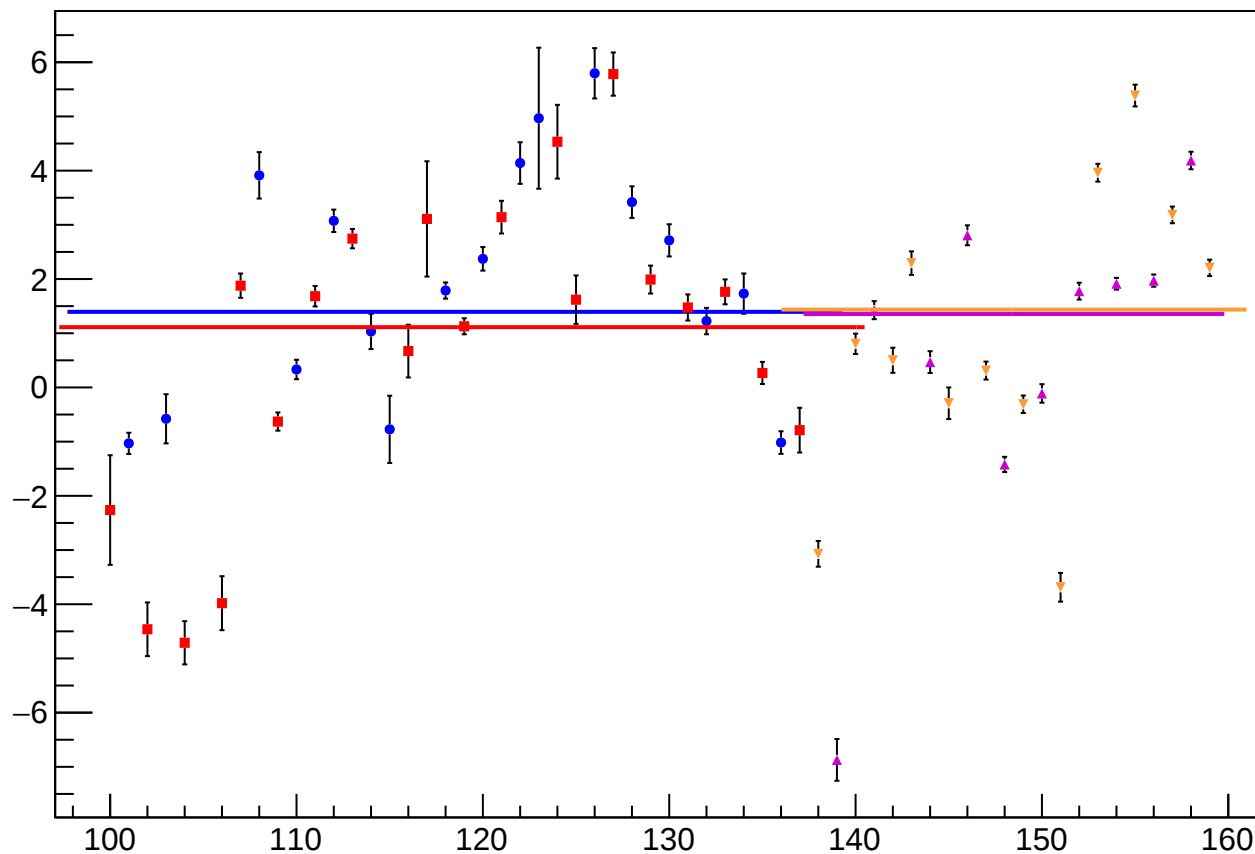
Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -19.282 ± 0.070 $\chi^2/\text{NDF}: 34680.4/9$

-23.475 ± 0.077 $\chi^2/\text{NDF}: 50225.4/11$

-19.282 ± 0.070 $\chi^2/\text{NDF}: 34680.4/9$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.395 ± 0.063 $\chi^2/\text{NDF}: 701.4/16$

Left Out: 1.436 ± 0.055 $\chi^2/\text{NDF}: 1750.9/11$

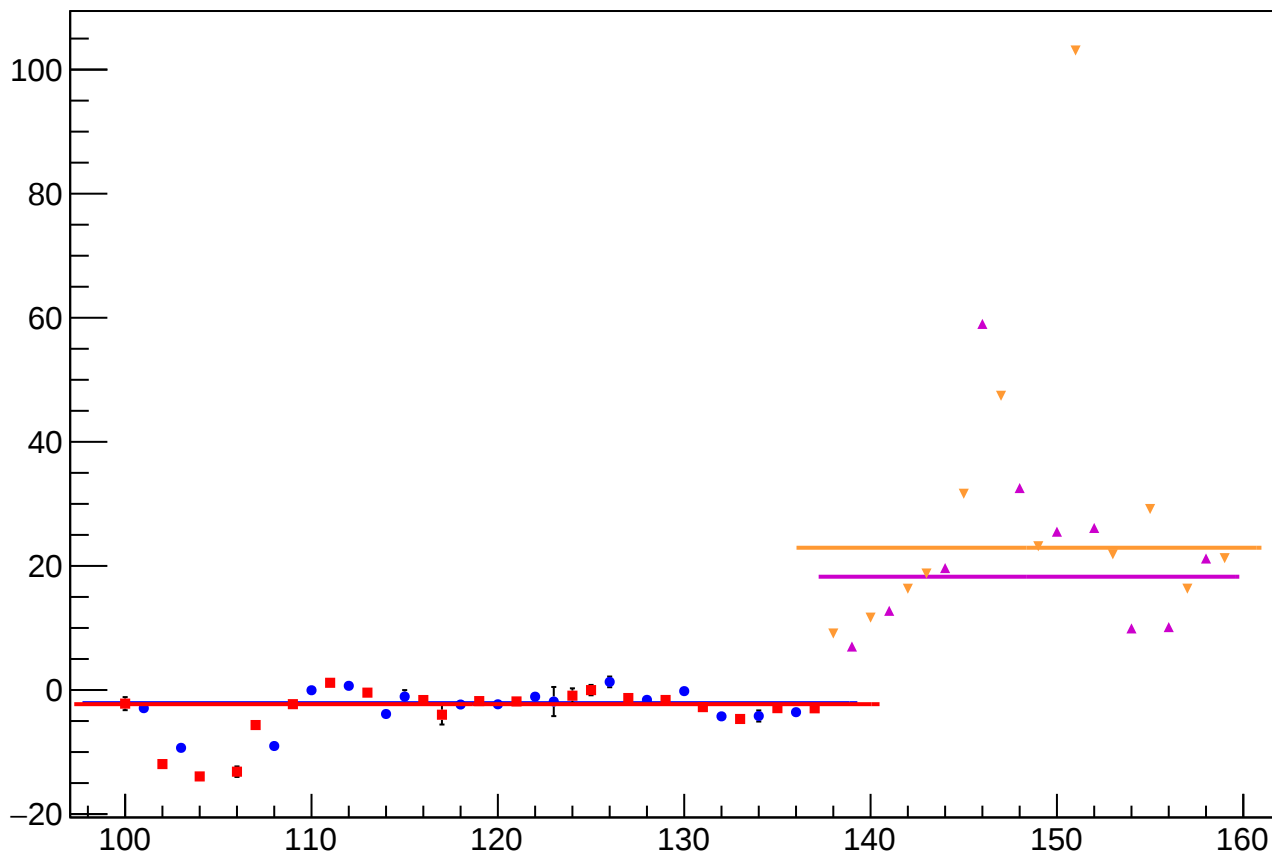
Right Out: 1.112 ± 0.059 $\chi^2/\text{NDF}: 940.5/19$

Left In: 1.354 ± 0.048 $\chi^2/\text{NDF}: 1369.8/9$

1.418 ± 0.041 $\chi^2/\text{NDF}: 2452.6/28$

1.257 ± 0.037 $\chi^2/\text{NDF}: 2320.4/29$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 22.931 ± 0.075 χ^2/NDF : 45338.8/11

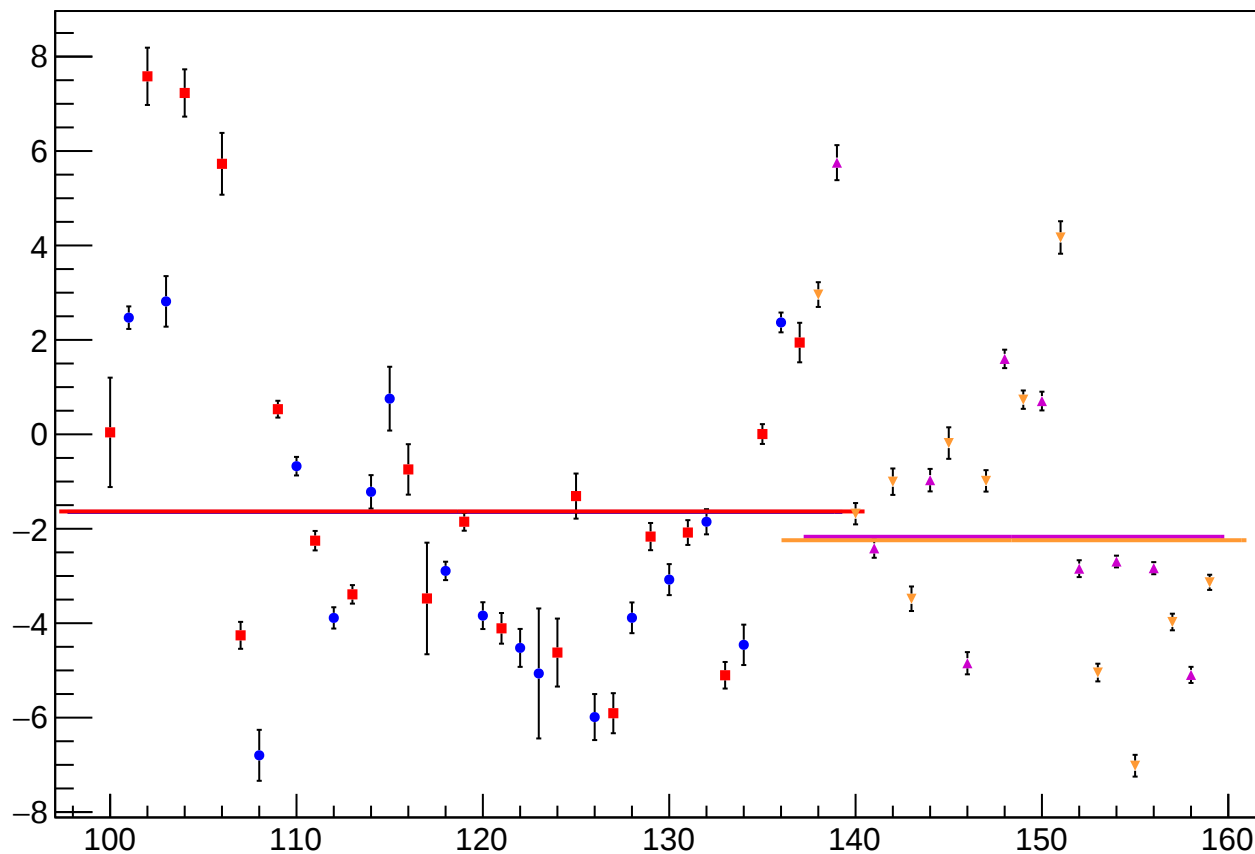
Right Out: -2.284 ± 0.101 χ^2/NDF : 920.6/19

Left In: 18.260 ± 0.067 χ^2/NDF : 32575.3/9

15.241 ± 0.063 χ^2/NDF : 79702.3/28

11.930 ± 0.056 χ^2/NDF : 62218.1/29

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643 ± 0.072 $\chi^2/\text{NDF}: 1310.1/16$

Left Out: -2.243 ± 0.064 $\chi^2/\text{NDF}: 1873.2/11$

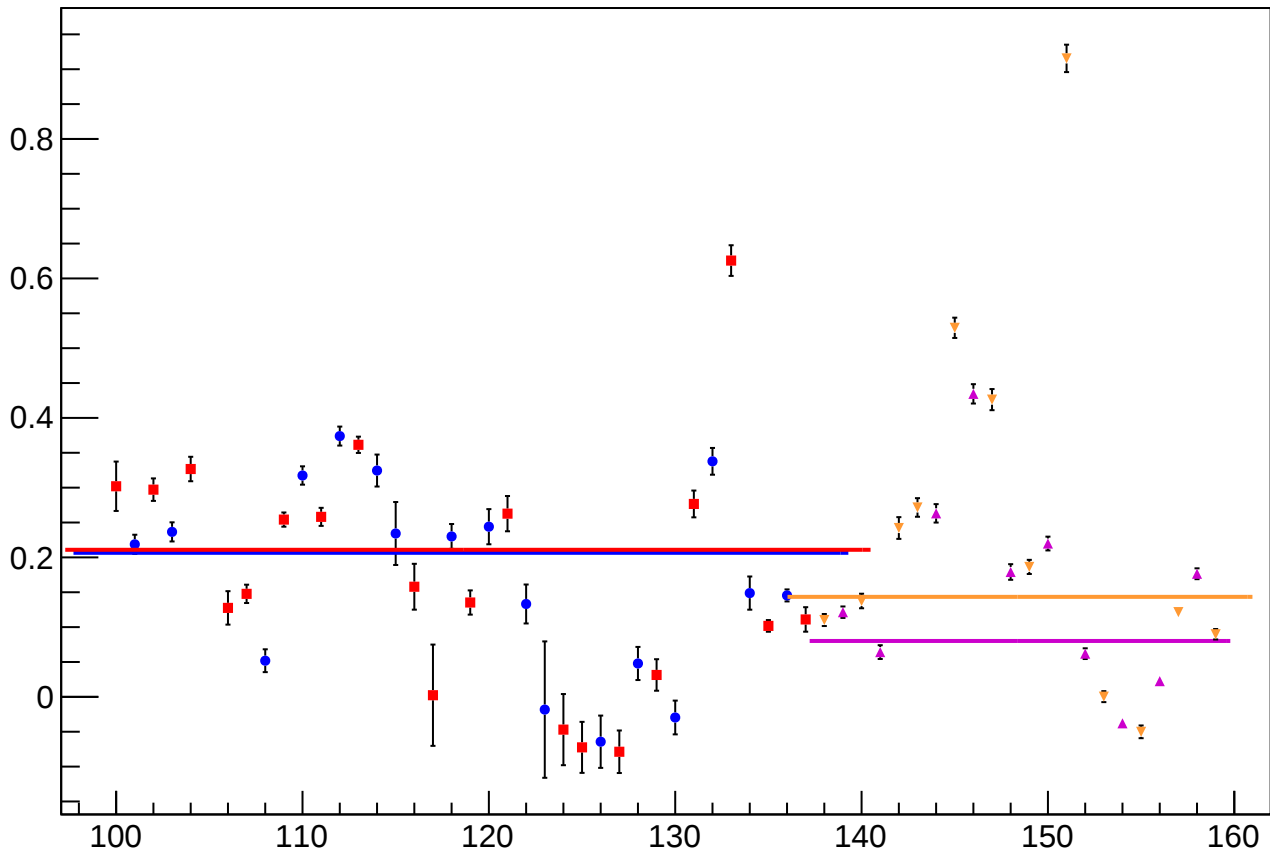
Right Out: -1.633 ± 0.067 $\chi^2/\text{NDF}: 1470.6/19$

Left In: -2.170 ± 0.057 $\chi^2/\text{NDF}: 1548.4/9$

-1.979 ± 0.048 $\chi^2/\text{NDF}: 3221.7/28$

-1.945 ± 0.043 $\chi^2/\text{NDF}: 3056.4/29$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 $\pm$ 0.004 χ^2 /NDF: 655.0/16

Left Out: 0.143 $\pm$ 0.003 χ^2 /NDF: 3603.1/11

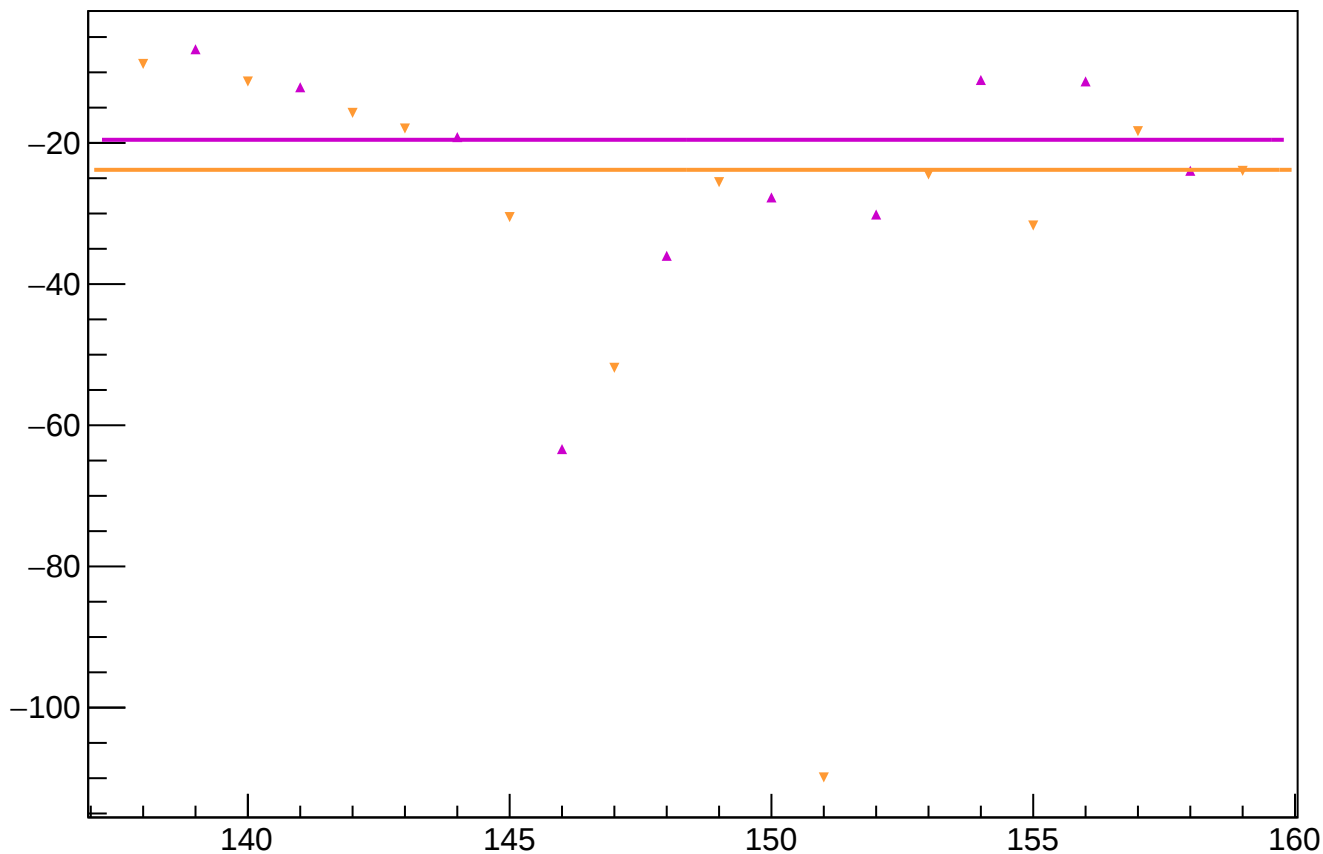
Right Out: 0.211 $\pm$ 0.004 χ^2 /NDF: 1153.8/19

Left In: 0.080 $\pm$ 0.002 χ^2 /NDF: 1974.8/9

0.163 $\pm$ 0.002 χ^2 /NDF: 4411.7/28

0.119 $\pm$ 0.002 χ^2 /NDF: 3977.4/29

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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

Left Out: -23.810 $\pm$ 0.078 χ^2/NDF : 49518.0/11

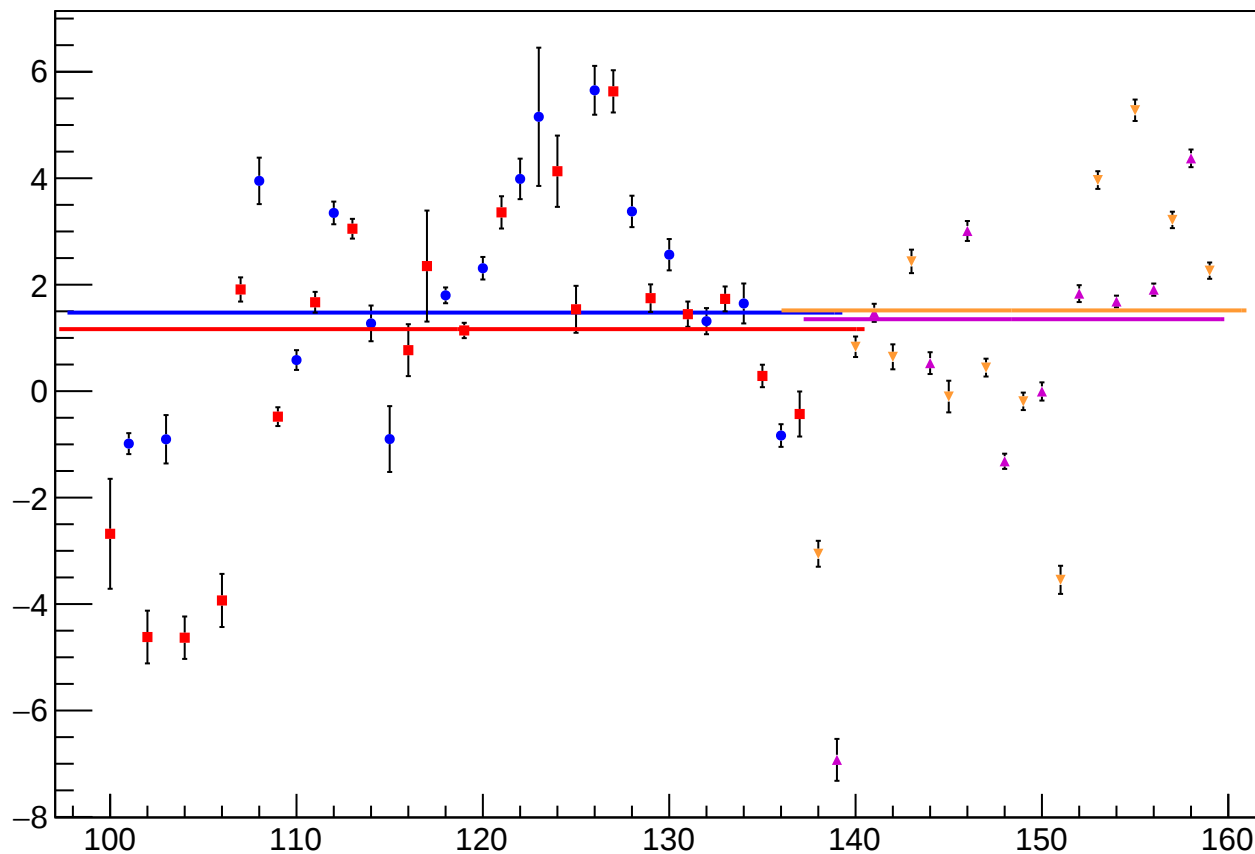
Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -19.555 $\pm$ 0.071 χ^2/NDF : 35006.2/9

-23.810 $\pm$ 0.078 χ^2/NDF : 49518.0/11

-19.555 $\pm$ 0.071 χ^2/NDF : 35006.2/9

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476 ± 0.064 χ^2/NDF : 659.7/16

Left Out: 1.517 ± 0.055 χ^2/NDF : 1653.9/11

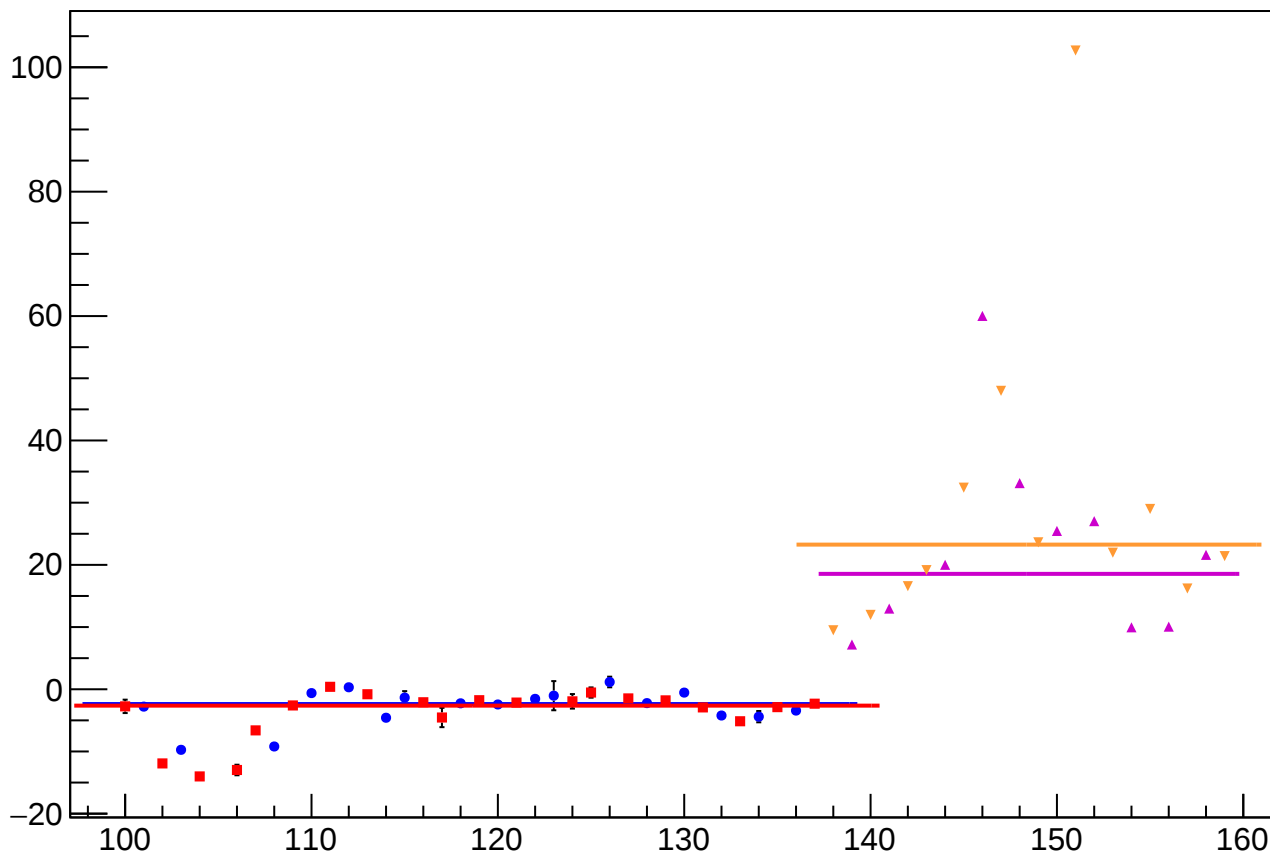
Right Out: 1.165 ± 0.060 χ^2/NDF : 919.2/19

Left In: 1.351 ± 0.049 χ^2/NDF : 1322.4/9

1.499 ± 0.042 χ^2/NDF : 2313.8/28

1.276 ± 0.038 χ^2/NDF : 2247.4/29

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 23.257 ± 0.076 χ^2/NDF : 44822.7/11

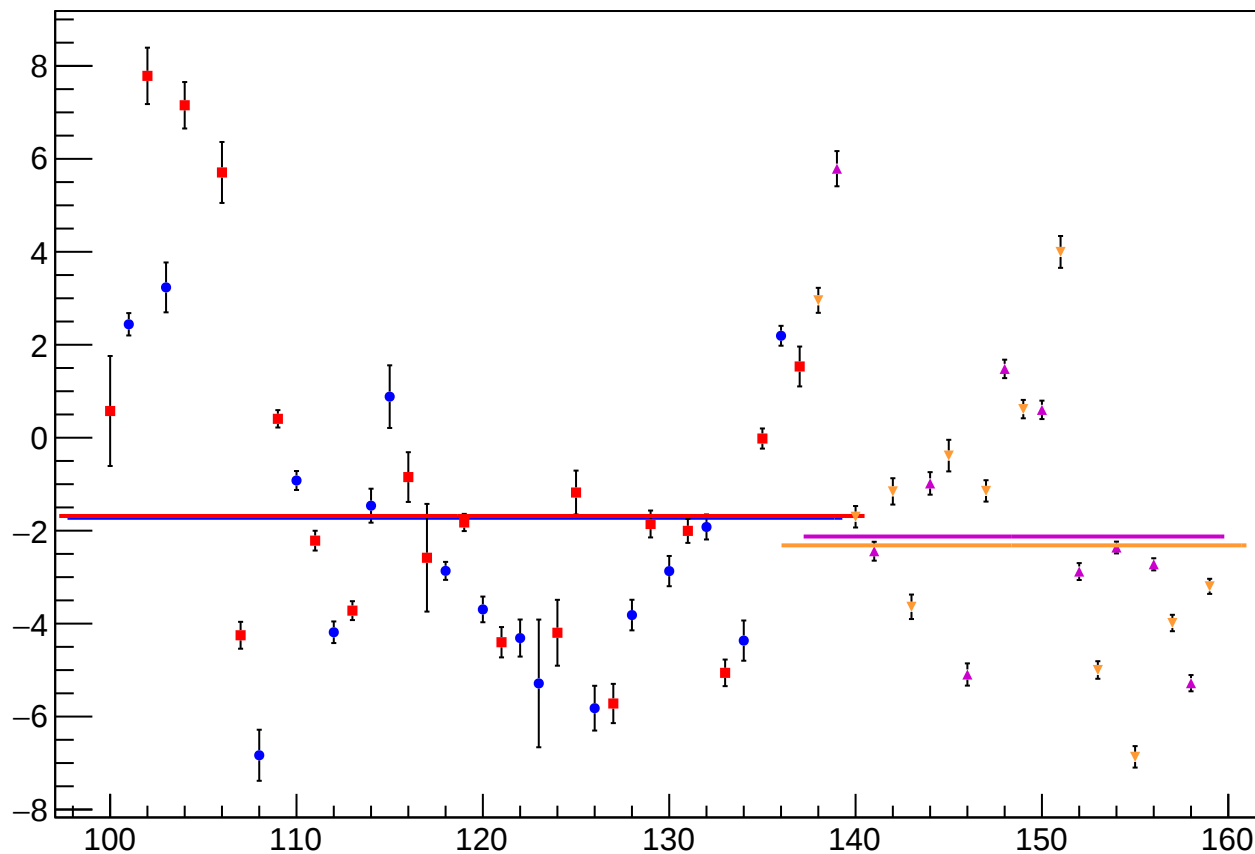
Right Out: -2.631 ± 0.103 χ^2/NDF : 842.8/19

Left In: 18.553 ± 0.068 χ^2/NDF : 32904.4/9

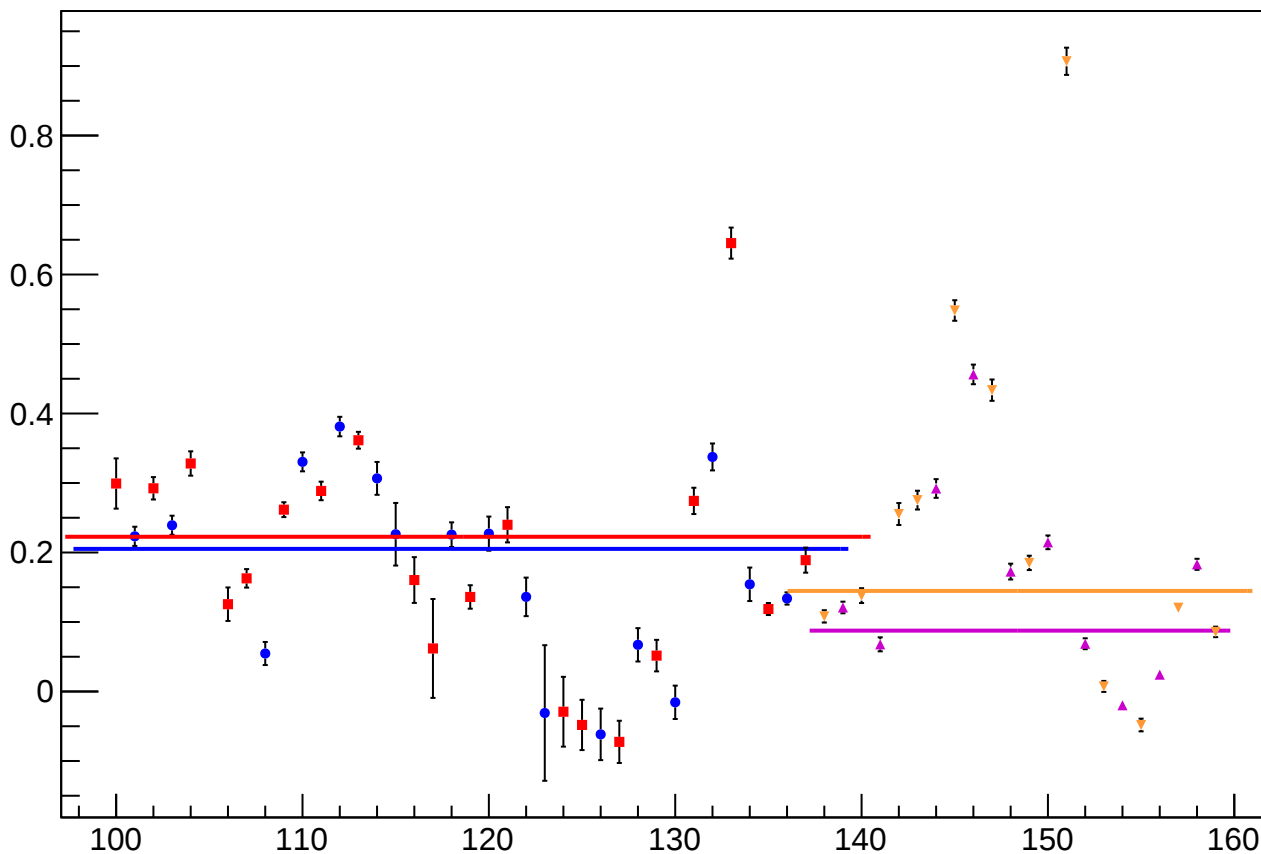
15.415 ± 0.064 χ^2/NDF : 79740.1/28

12.061 ± 0.057 χ^2/NDF : 63067.2/29

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.004 χ^2/NDF : 650.7/16

Left Out: 0.145 ± 0.003 χ^2/NDF : 3609.5/11

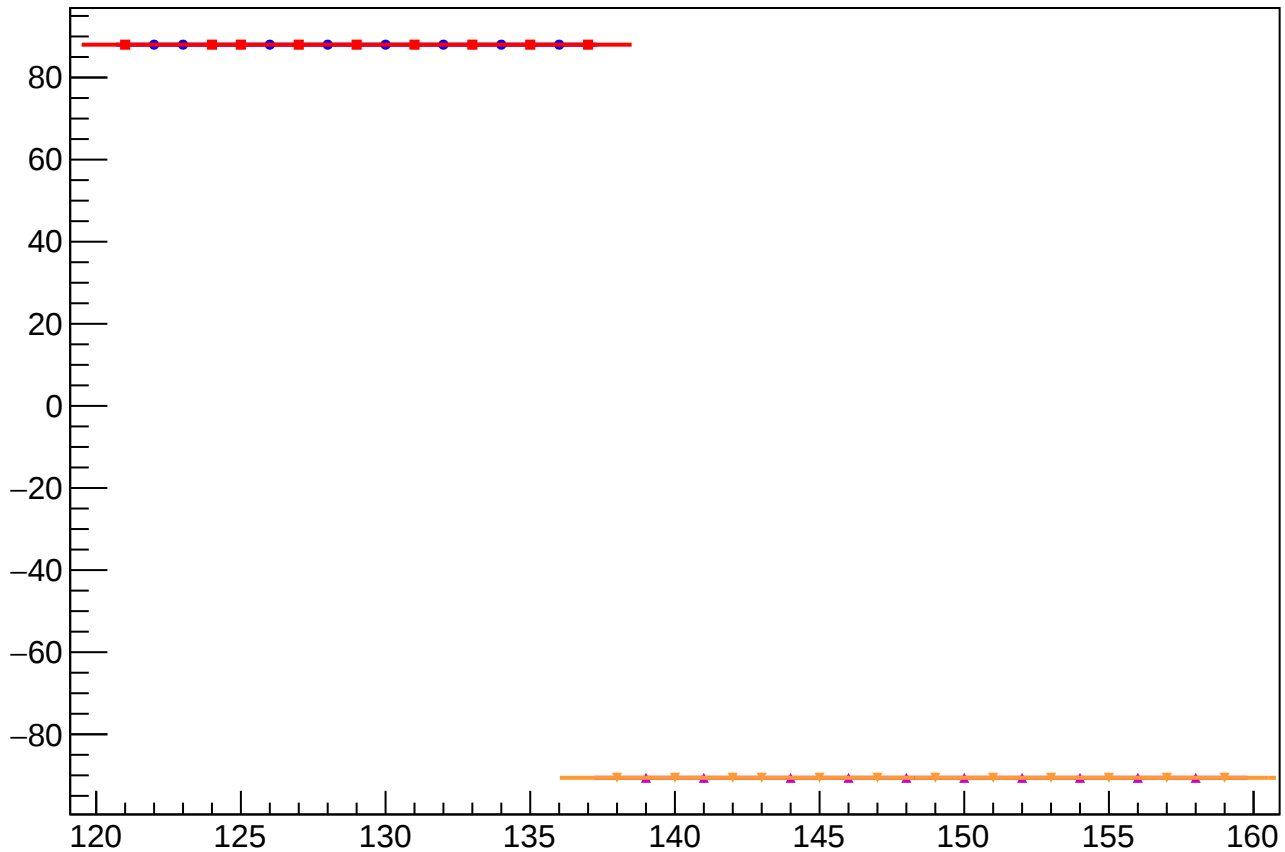
Right Out: 0.223 ± 0.004 χ^2/NDF : 1045.6/19

Left In: 0.088 ± 0.002 χ^2/NDF : 1883.3/9

0.164 ± 0.002 χ^2/NDF : 4397.4/28

0.128 ± 0.002 χ^2/NDF : 3800.1/29

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599+/-0.000 χ^2/NDF : 3719687.4/11

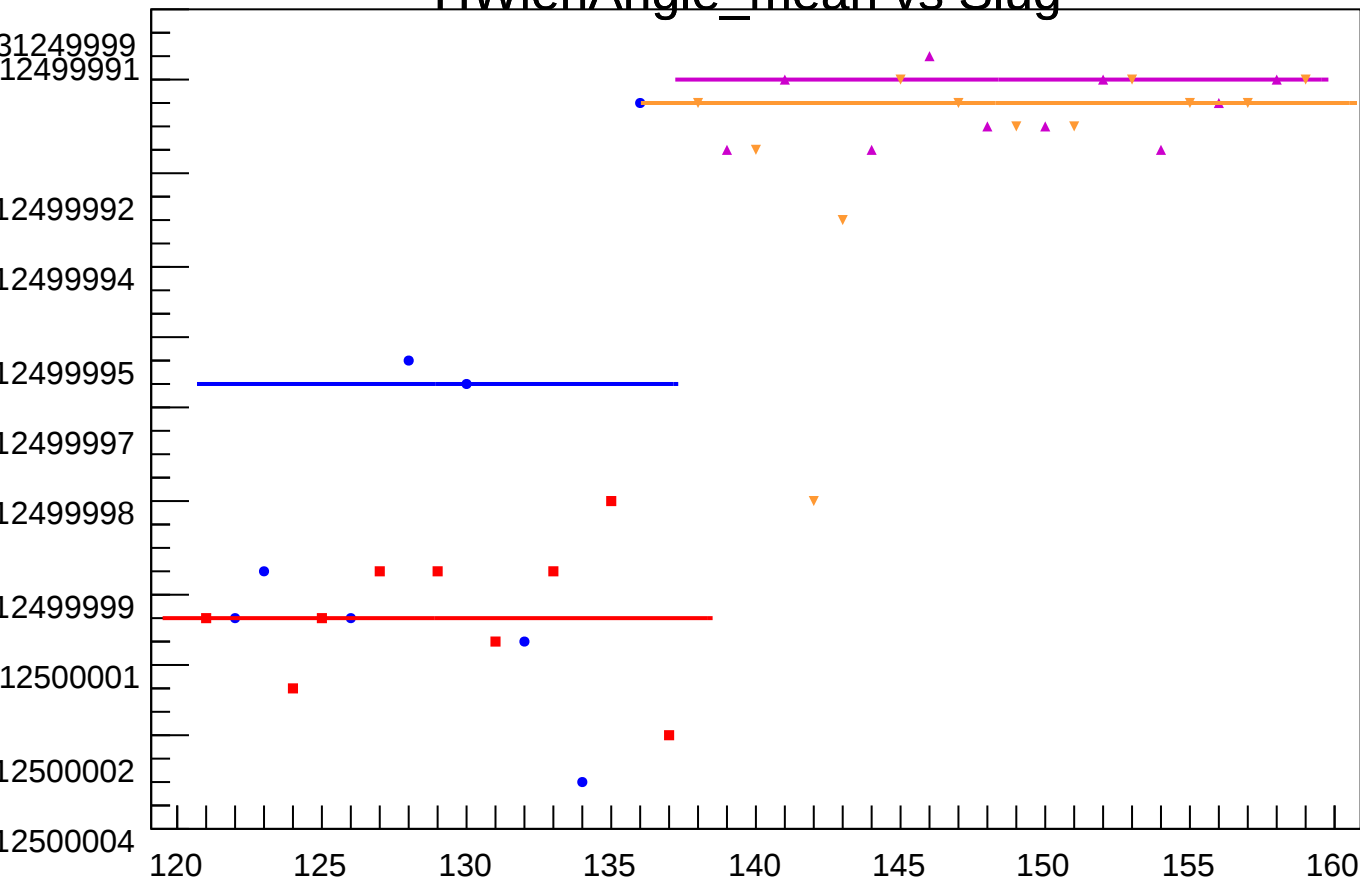
Right Out: 88.001+/-0.000 χ^2/NDF : 109456.0/8

Left In: -90.599+/-0.000 χ^2/NDF : 561214.6/9

-42.352+/-0.000 χ^2/NDF : 79620936363980950

-41.737+/-0.000 χ^2/NDF : 73915999196226243

HWienAngle_mean vs Slug



Right In: -29.641+/-0.000 $\chi^2/\text{NDF}: 405045.4/7$

Left Out: -29.641+/-0.000 $\chi^2/\text{NDF}: 198300.7/11$

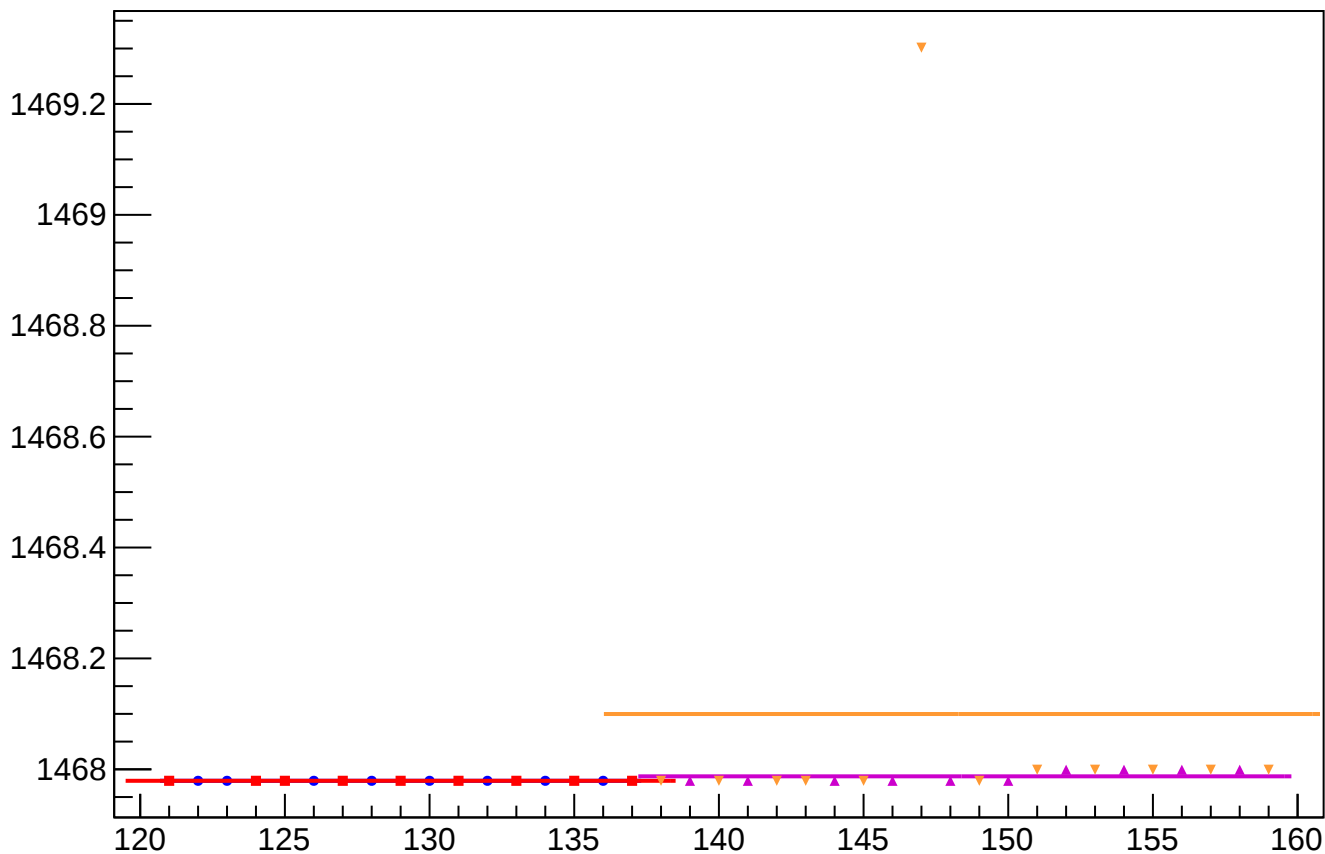
Right Out: -29.641+/-0.000 $\chi^2/\text{NDF}: 29358.2/8$

Left In: -29.641+/-0.000 $\chi^2/\text{NDF}: 39518.8/9$

-29.641+/-0.000 $\chi^2/\text{NDF}: 1090369.9/19$

-29.641+/-0.000 $\chi^2/\text{NDF}: 1430501.4/18$

psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.100+/-0.000 χ^2/NDF : 123122523995989357945833520103424.0/11

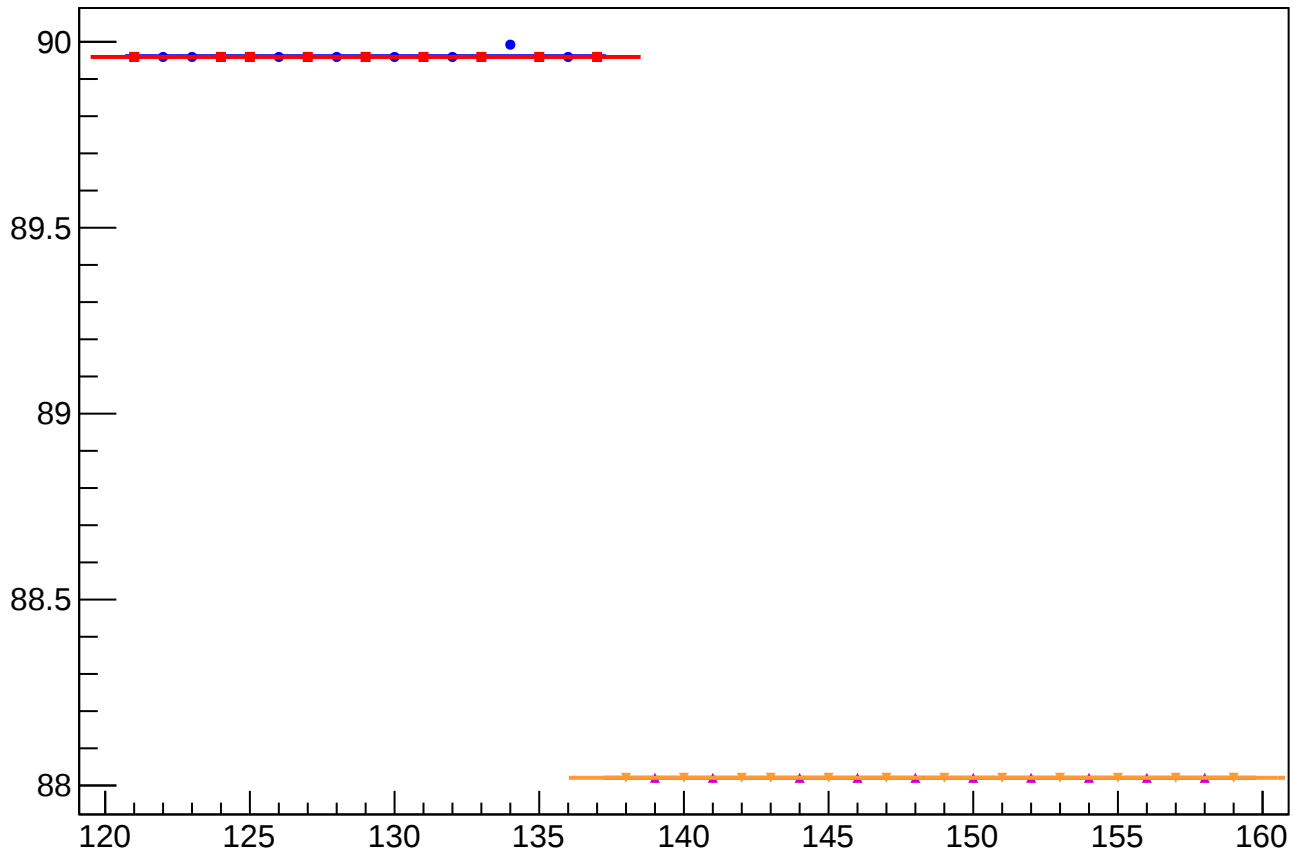
Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8

Left In: 1467.987+/-0.000 χ^2/NDF : 81485714261969117795055566848.0/9

1468.067+/-0.000 χ^2/NDF : 1267437521144201

1467.985+/-0.000 χ^2/NDF : 9650943392633968

Phi_FG_mean vs Slug



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 3066788.3/11

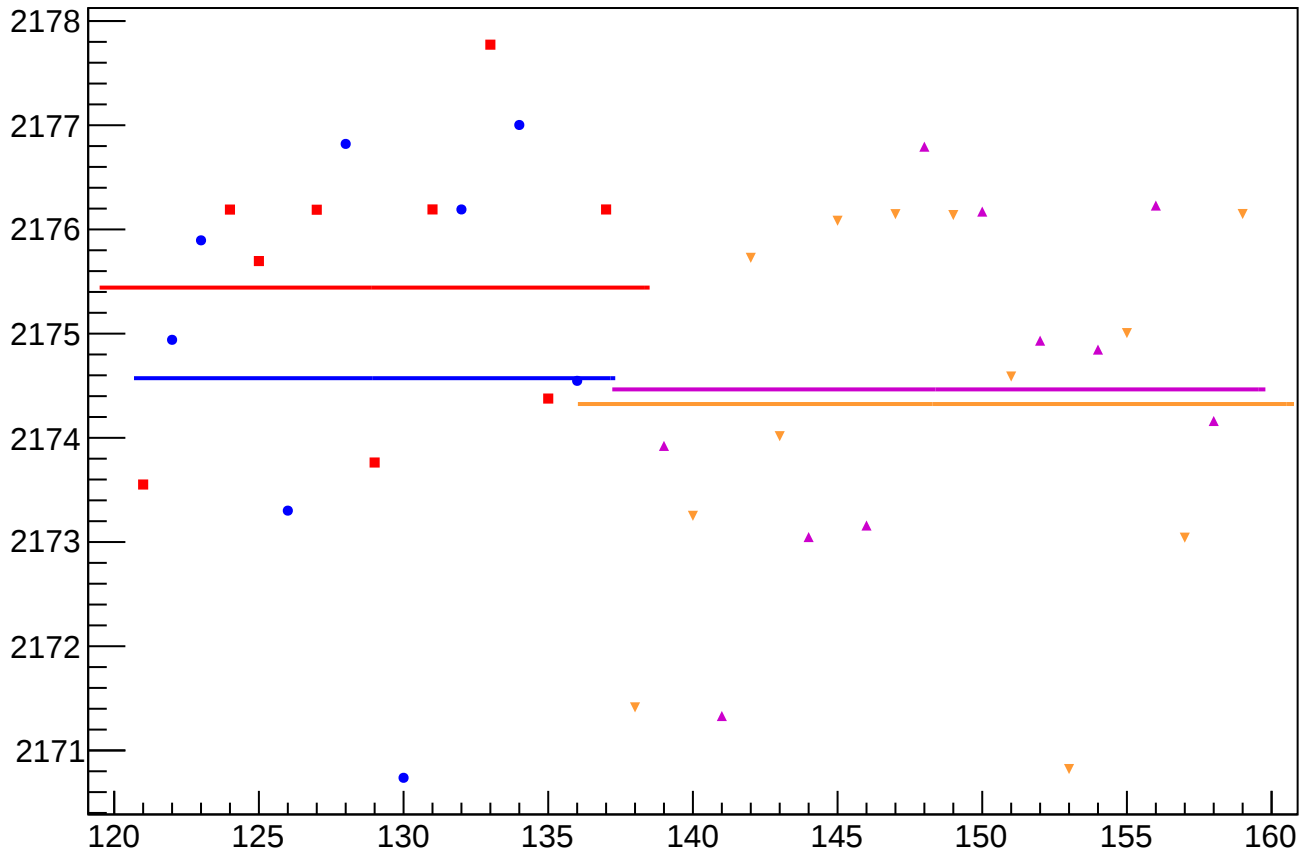
Right Out: 89.959+/-0.000 χ^2/NDF : 331397.3/8

Left In: 88.021+/-0.000 χ^2/NDF : 977228.3/9

88.545+/-0.000 χ^2/NDF : 940062441015721014

88.551+/-0.000 χ^2/NDF : 870861636844838440

HALLA_p_mean vs Slug



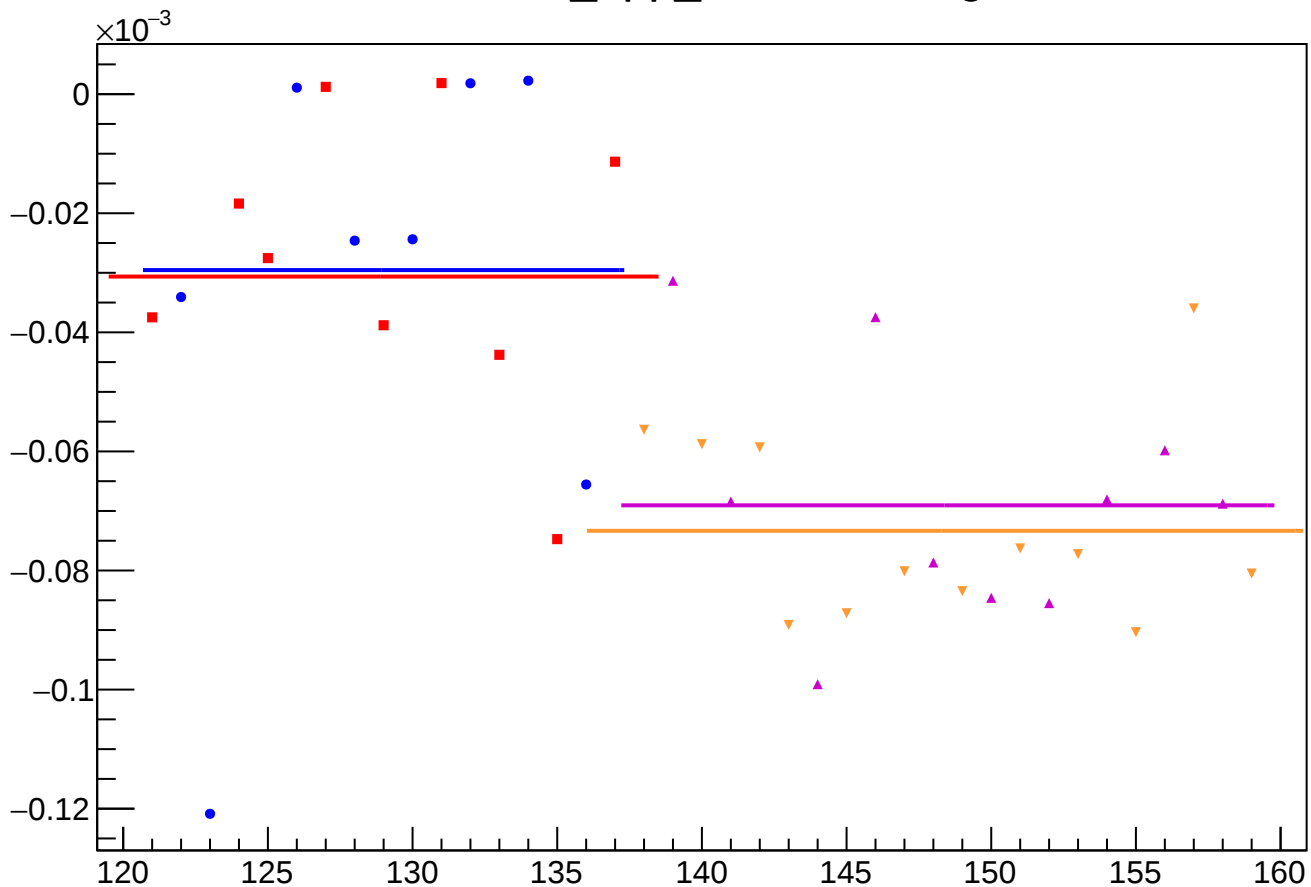
Right In: 2174.572 ± 0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7

Left Out: 2174.325 ± 0.000 χ^2/NDF : 3143019833291741745158110849269760.0/11

Right Out: 2175.442 ± 0.000 χ^2/NDF : 610778445075790556034346524868608.0/8

Left In: 2174.465 ± 0.000 χ^2/NDF : 2186938270291196516227819182751744.0/9

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 250161267307815387529216.0/7

Left Out: -0.000+/-0.000 χ^2/NDF : 233286793390563920969728.0/11

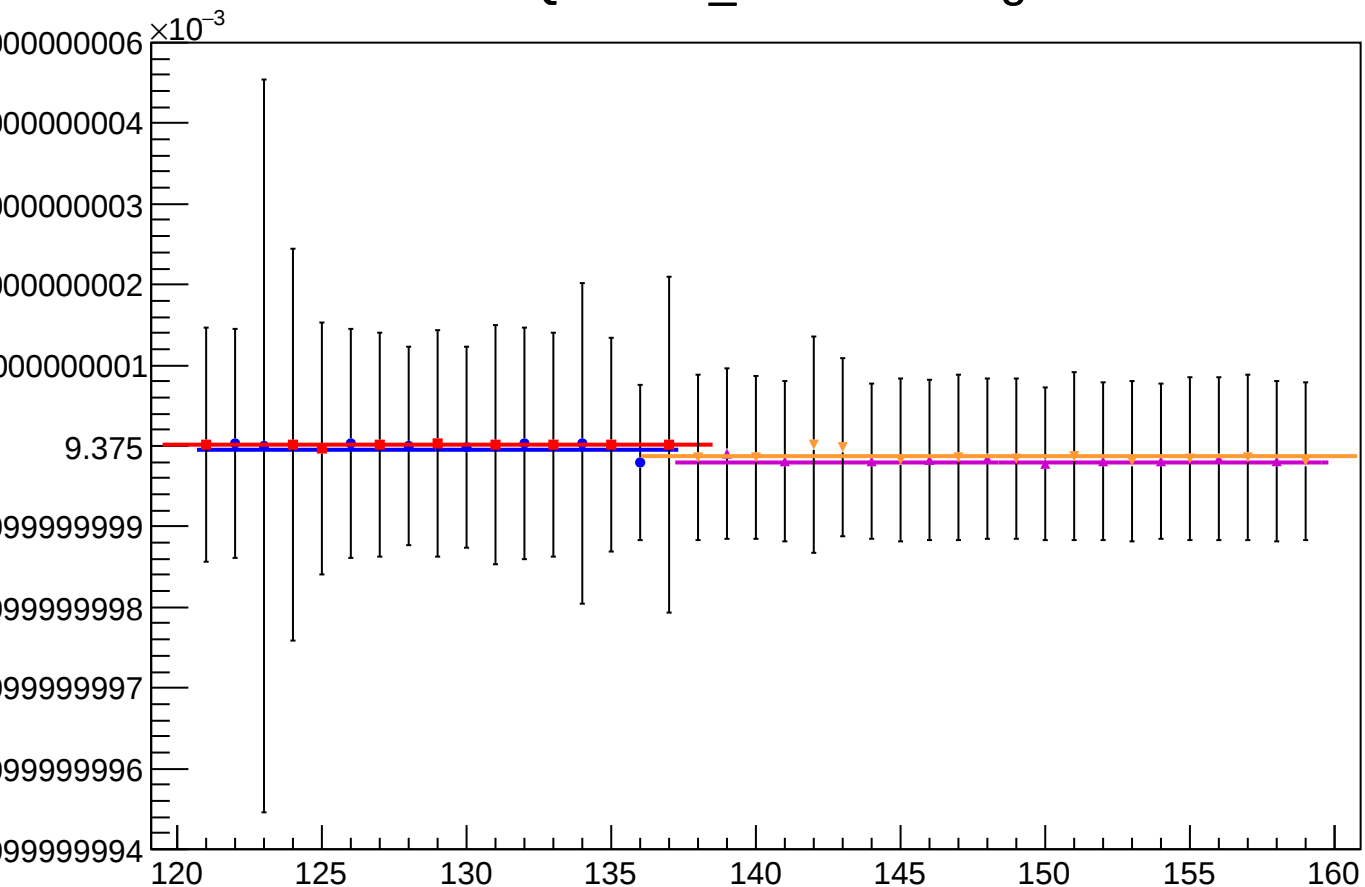
Right Out: -0.000+/-0.000 χ^2/NDF : 196732771178766734983168.0/8

Left In: -0.000+/-0.000 χ^2/NDF : 328595013267659669110784.0/9

-0.000+/-0.000 χ^2/NDF : 962072274271148837

-0.000+/-0.000 χ^2/NDF : 867409127079591697

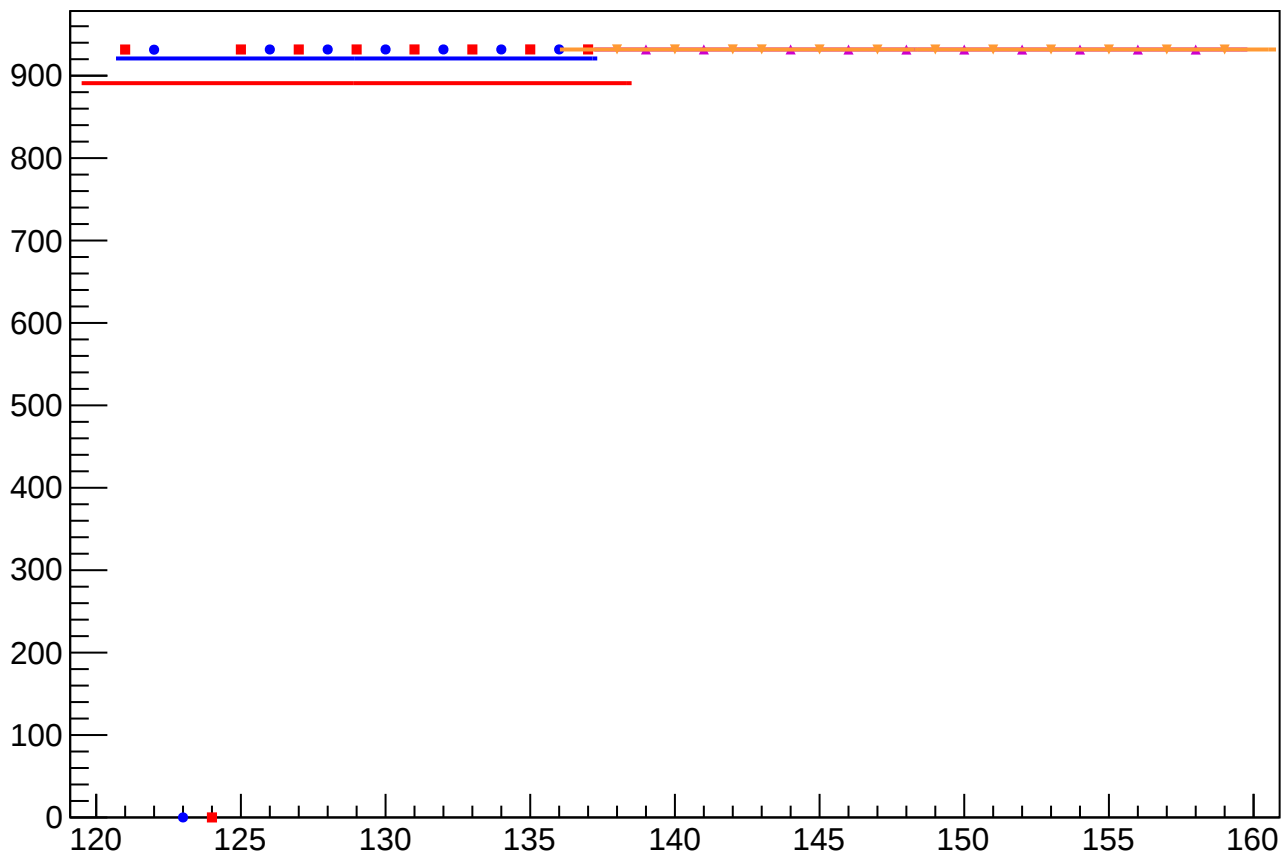
MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/7
Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/11
Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/9

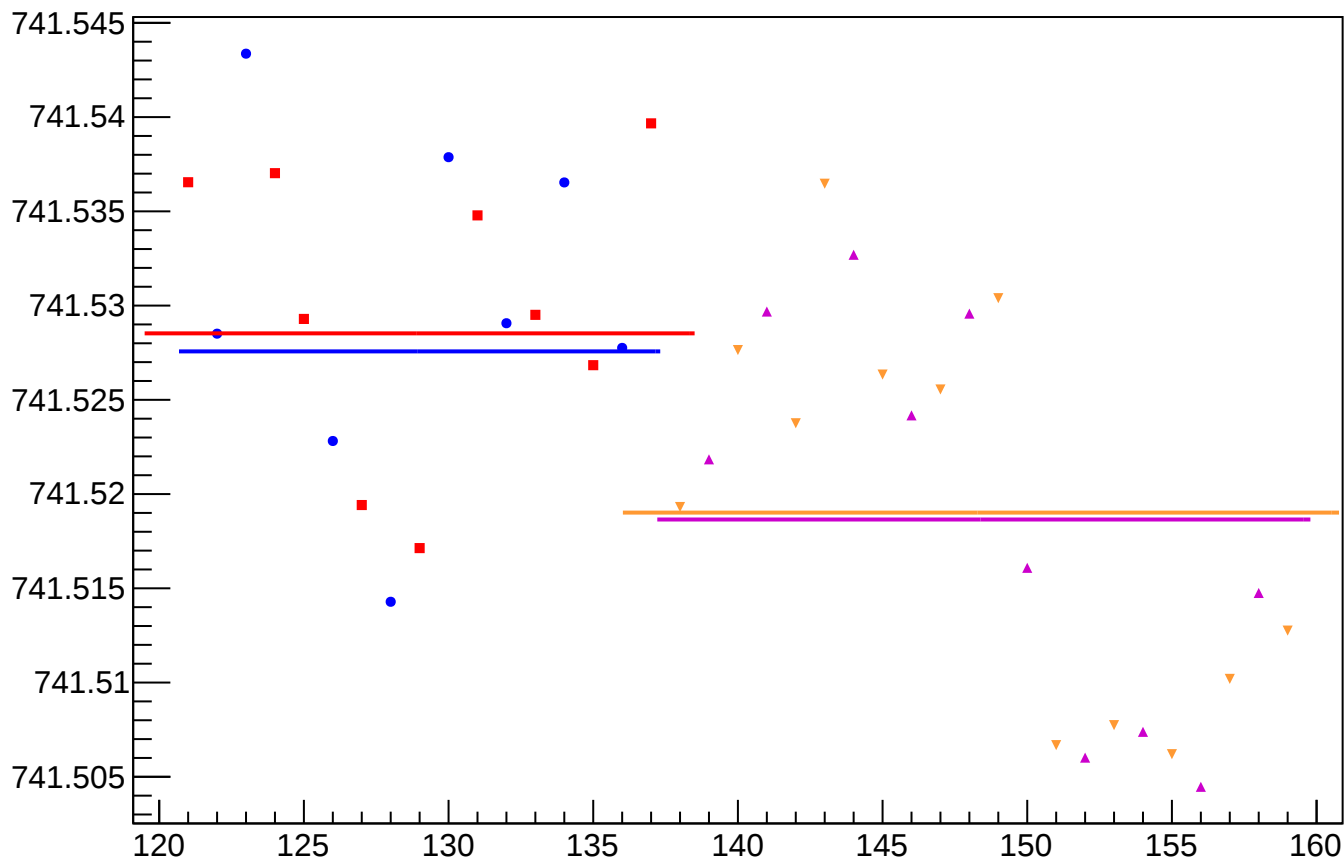
0.009 $\pm$ 0.000 χ^2/NDF : 0.1/19
0.009 $\pm$ 0.000 χ^2/NDF : 0.1/18

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898 $\pm$ 0.000 χ^2 /NDF: 3432128841951899861299566212080992256.0/7
Left Out: 931.786 $\pm$ 0.000 χ^2 /NDF: 3813823656937081946918271057920.0/11
Right Out: 890.923 $\pm$ 0.000 χ^2 /NDF: 11621671430114409722932854398744788992.0/8
Left In: 931.775 $\pm$ 0.000 χ^2 /NDF: 3231862085785502300413500588032.0/9

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.528 $\pm$ 0.000 χ^2 /NDF: 18896144326732419810052800512.0/7

Left Out: 741.519 $\pm$ 0.000 χ^2 /NDF: 91310701472617275213771440128.0/11

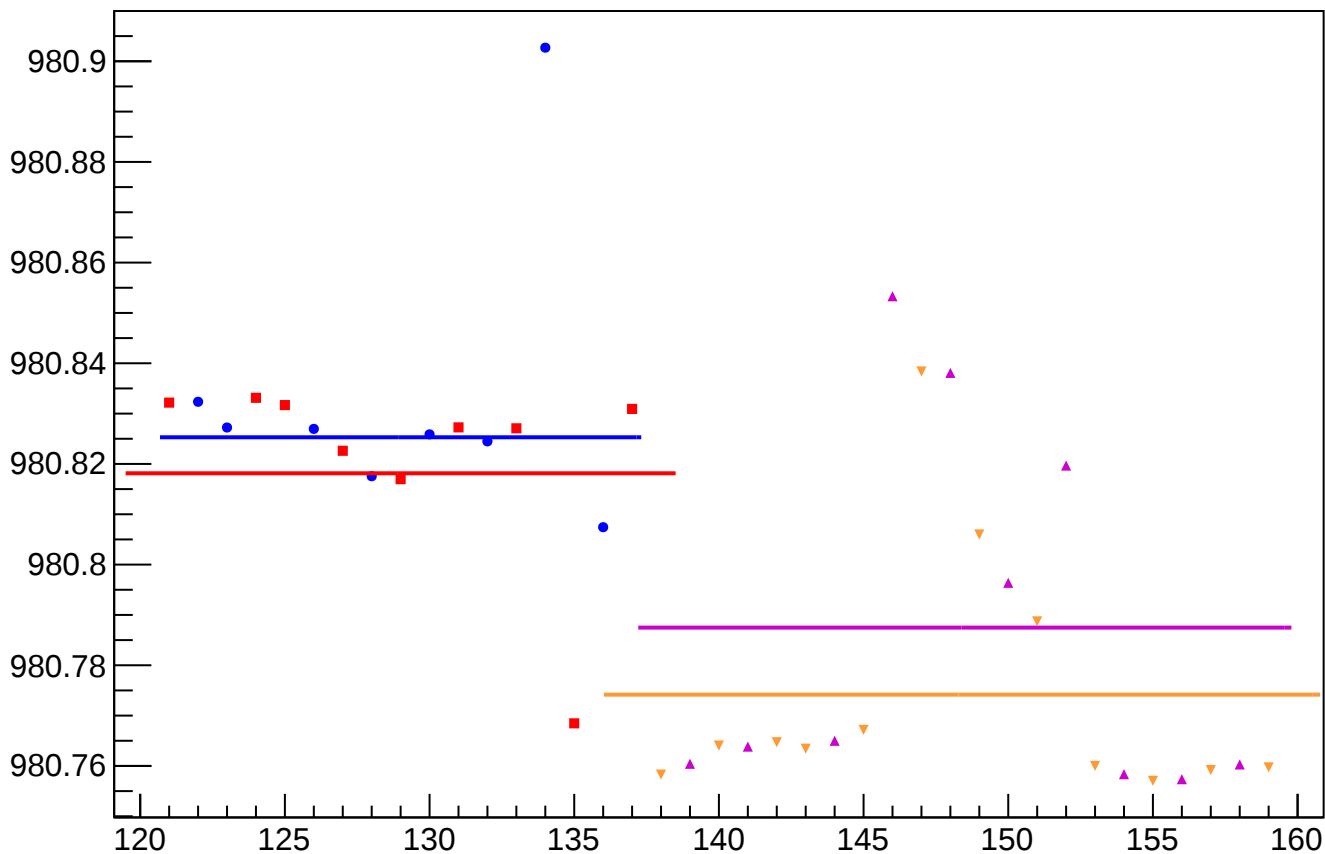
Right Out: 741.529 $\pm$ 0.000 χ^2 /NDF: 16580353917842624420385914880.0/8

Left In: 741.519 $\pm$ 0.000 χ^2 /NDF: 84372652192634558969825722368.0/9

741.521 $\pm$ 0.000 χ^2 /NDF: 12846435490272869

741.521 $\pm$ 0.000 χ^2 /NDF: 12355563551209275

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.774+/-0.000 χ^2/NDF : 543209948843266291248744366080.0/11

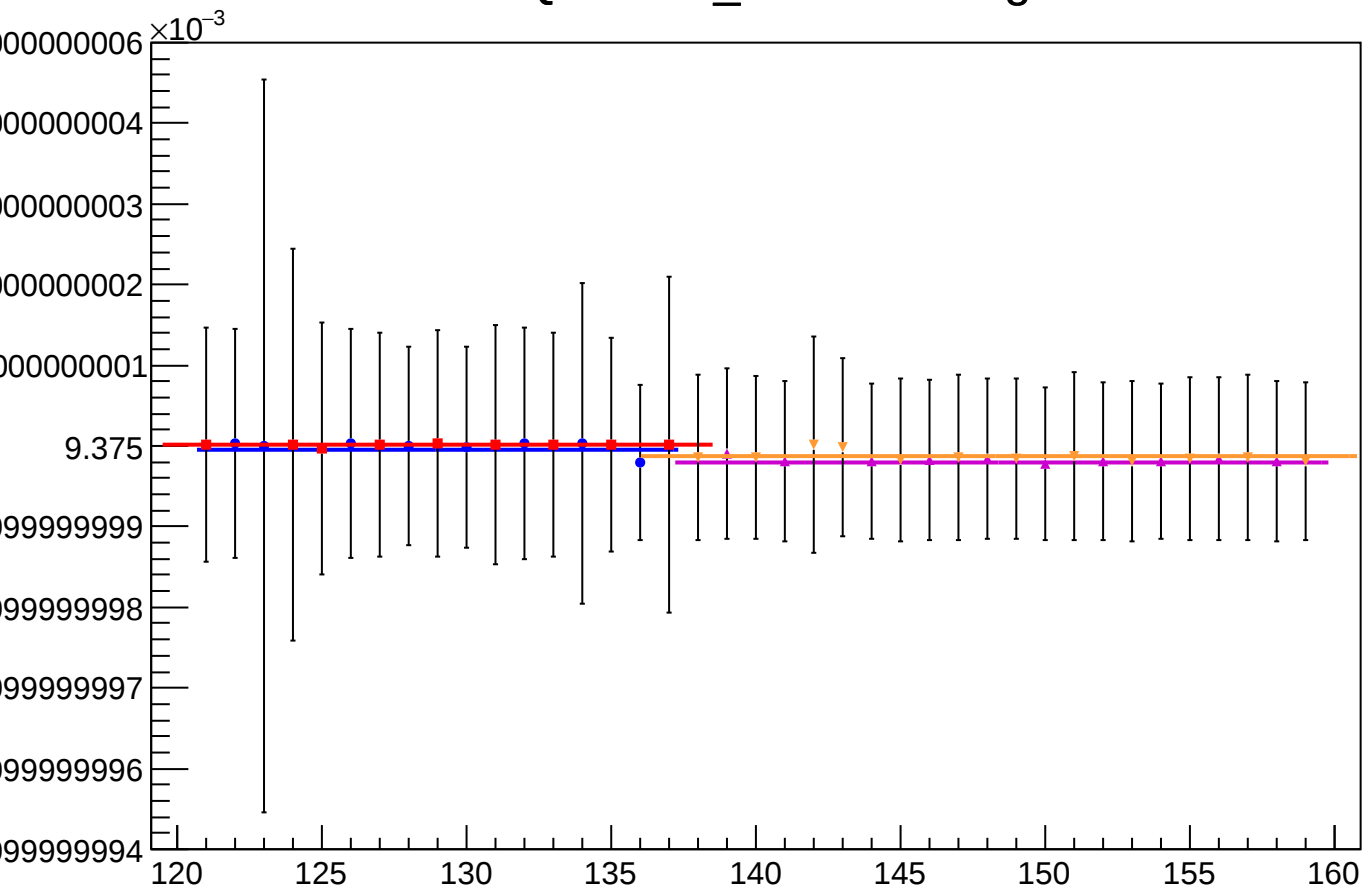
Right Out: 980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

Left In: 980.787+/-0.000 χ^2/NDF : 1029757425064455960986409500672.0/9

980.788+/-0.000 χ^2/NDF : 13550937589055703

980.796+/-0.000 χ^2/NDF : 13912595063713677

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/11

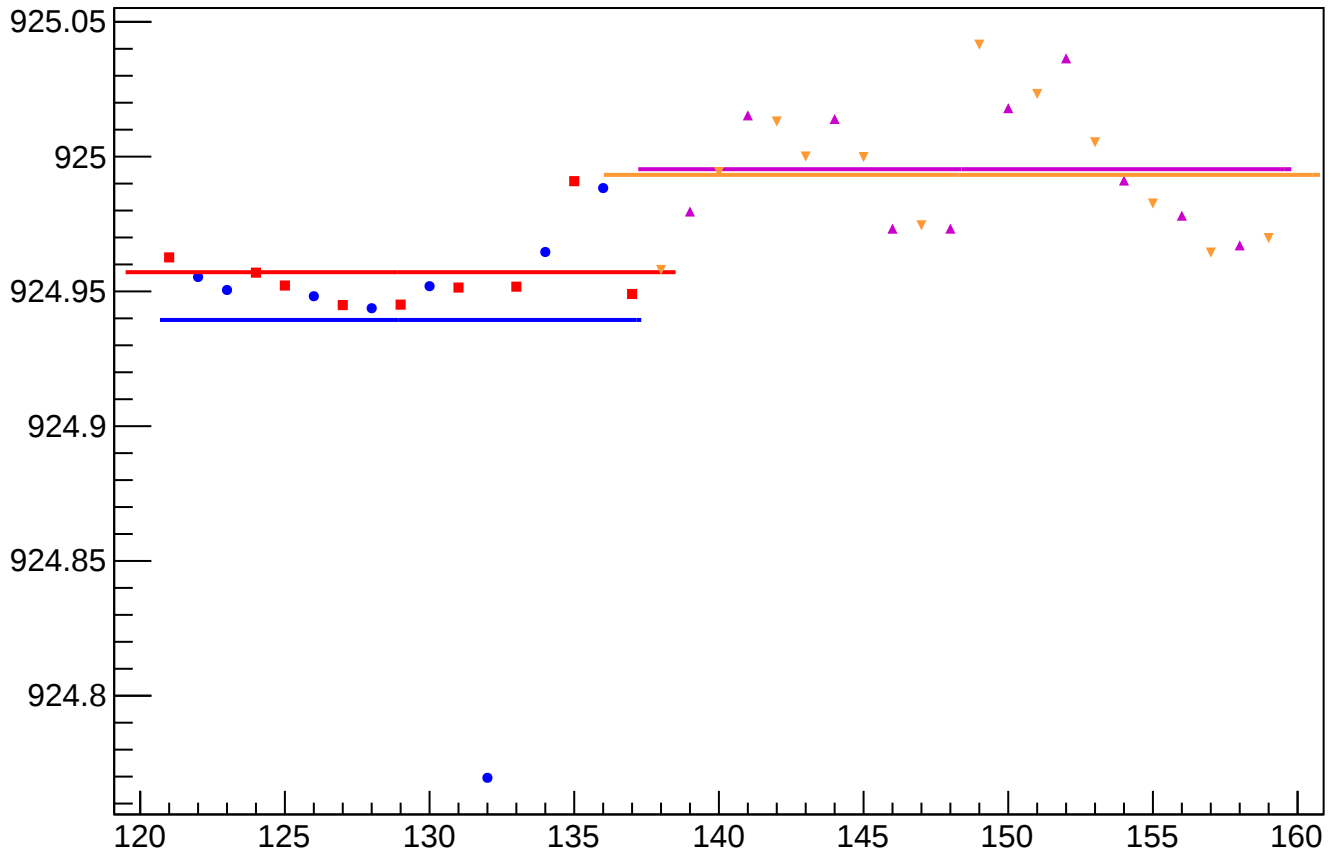
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/9

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/19

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939 $\pm$ 0.000 χ^2 /NDF: 1401458495809517406218388242432.0/7

Left Out: 924.993 $\pm$ 0.000 χ^2 /NDF: 549443129840138855100528459776.0/11

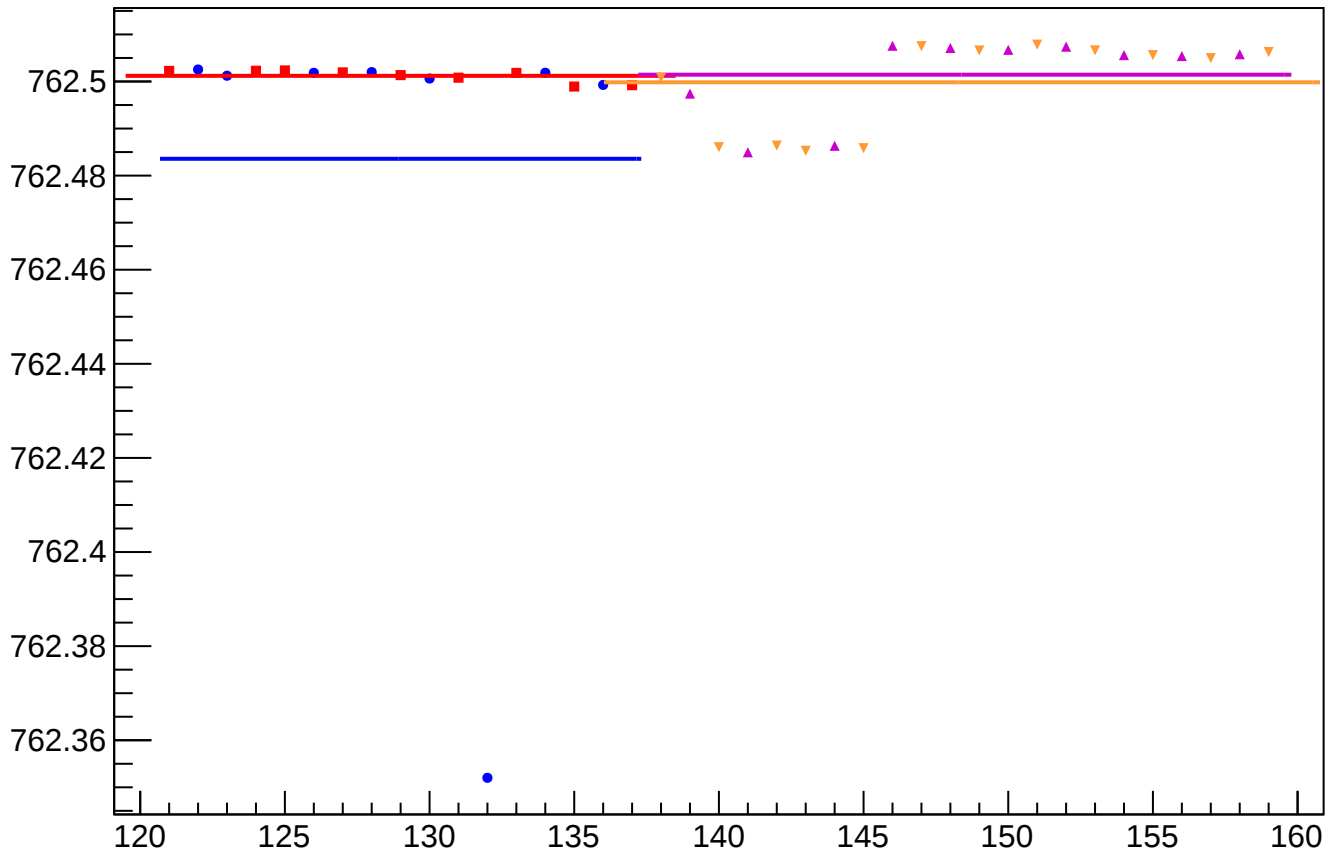
Right Out: 924.957 $\pm$ 0.000 χ^2 /NDF: 71808709366506786060310151168.0/8

Left In: 924.995 $\pm$ 0.000 χ^2 /NDF: 451191728802407898905300697088.0/9

924.979 $\pm$ 0.000 χ^2 /NDF: 26741243866187667

924.985 $\pm$ 0.000 χ^2 /NDF: 86135959394977771

HacR_D1_HP3458A_IOUT_mean vs Slug



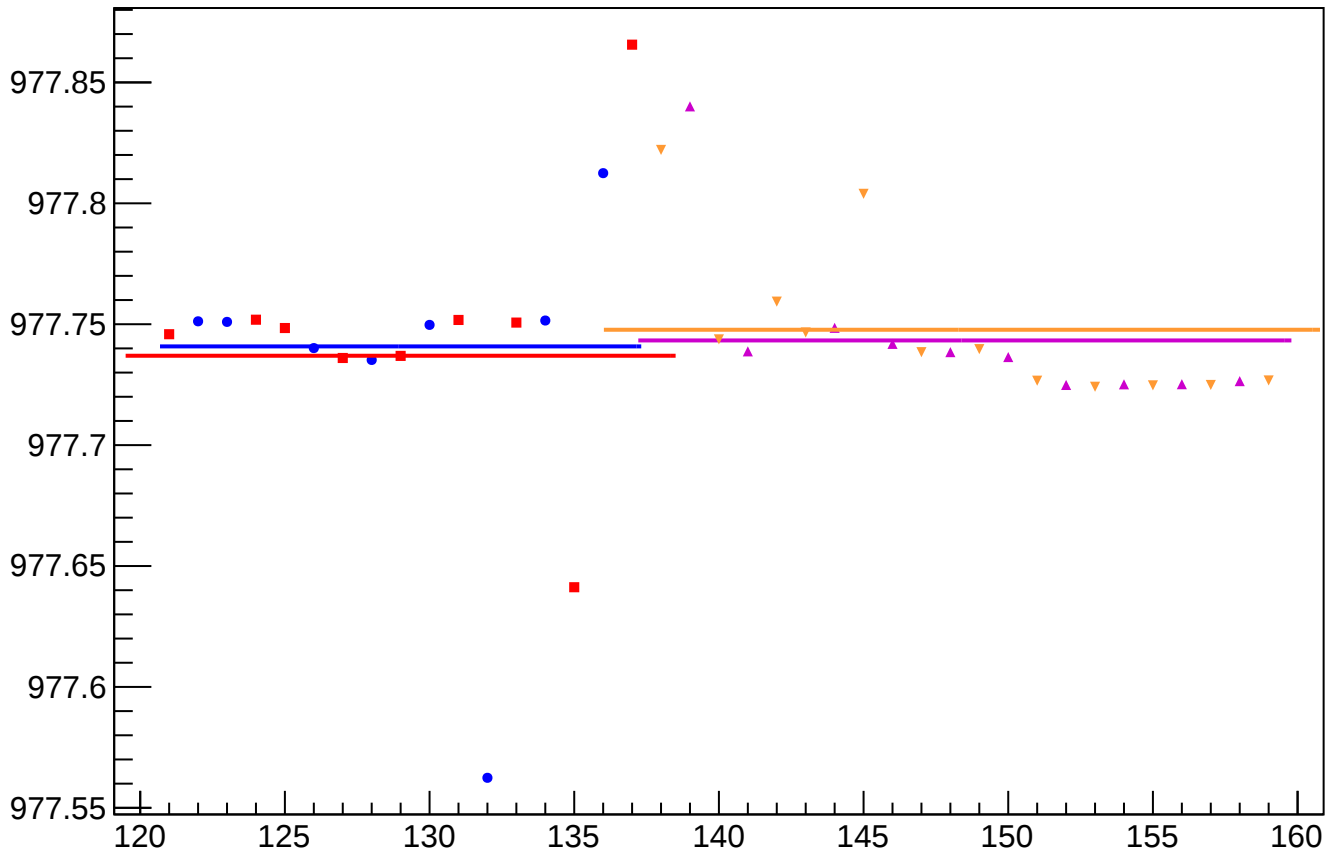
Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.501+/-0.000 χ^2/NDF : 79688451514806626221874479104.0/11

Right Out: 762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8

Left In: 762.501+/-0.000 χ^2/NDF : 60521561148140970186807181312.0/9

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.741 $\pm$ 0.000 χ^2 /NDF: 1738104571804792841781326643200.0/7

Left Out: 977.748 $\pm$ 0.000 χ^2 /NDF: 910243424253634517896863416320.0/11

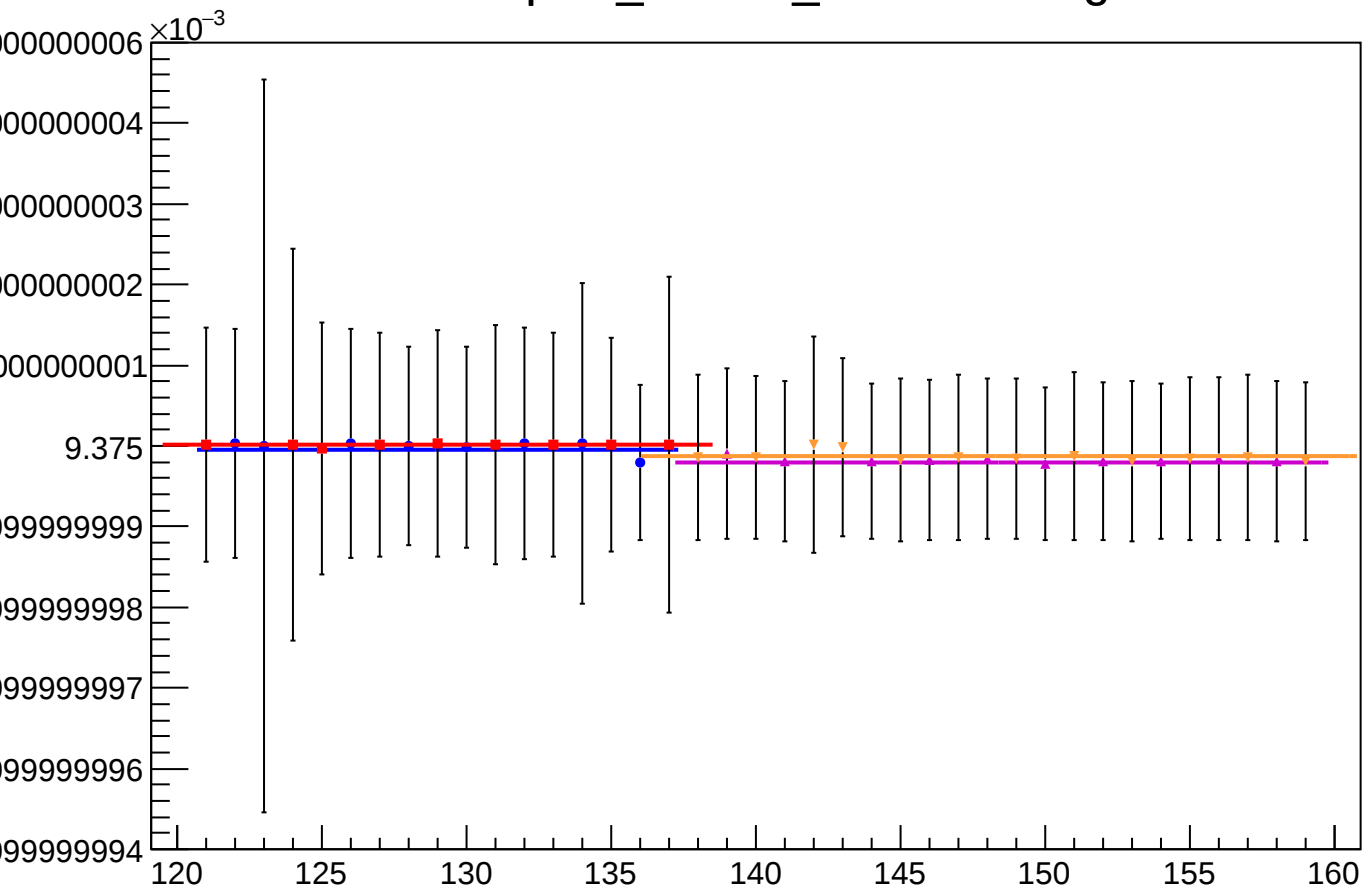
Right Out: 977.737 $\pm$ 0.000 χ^2 /NDF: 772313054358211830610902646784.0/8

Left In: 977.743 $\pm$ 0.000 χ^2 /NDF: 813116726428569036184325455872.0/9

977.746 $\pm$ 0.000 χ^2 /NDF: 26601743234024613

977.742 $\pm$ 0.000 χ^2 /NDF: 15947143443975368

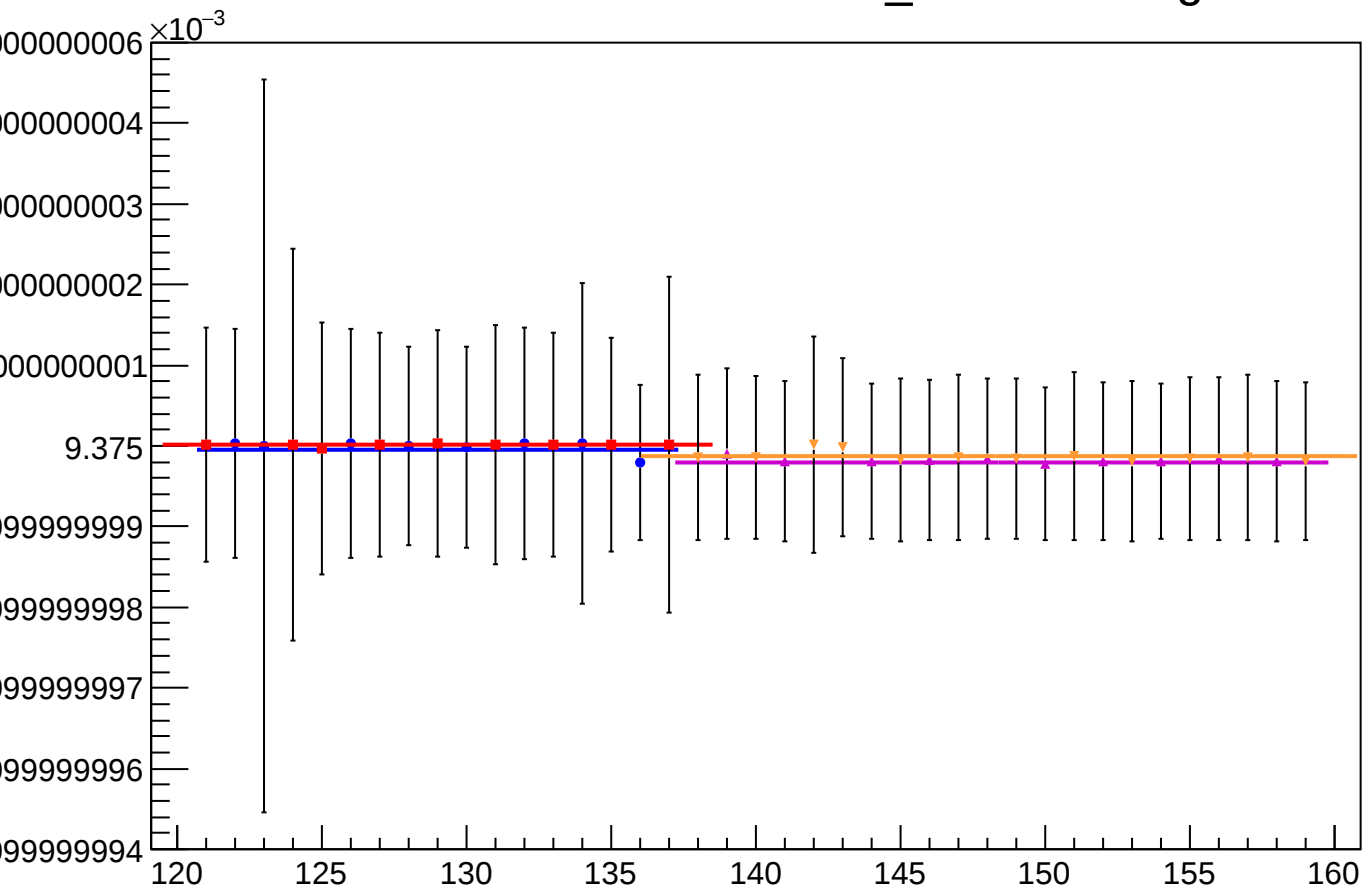
hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/7
 Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/11
 Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8
 Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/9

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/19
 0.009 $\pm$ 0.000 χ^2/NDF : 0.1/18

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/11

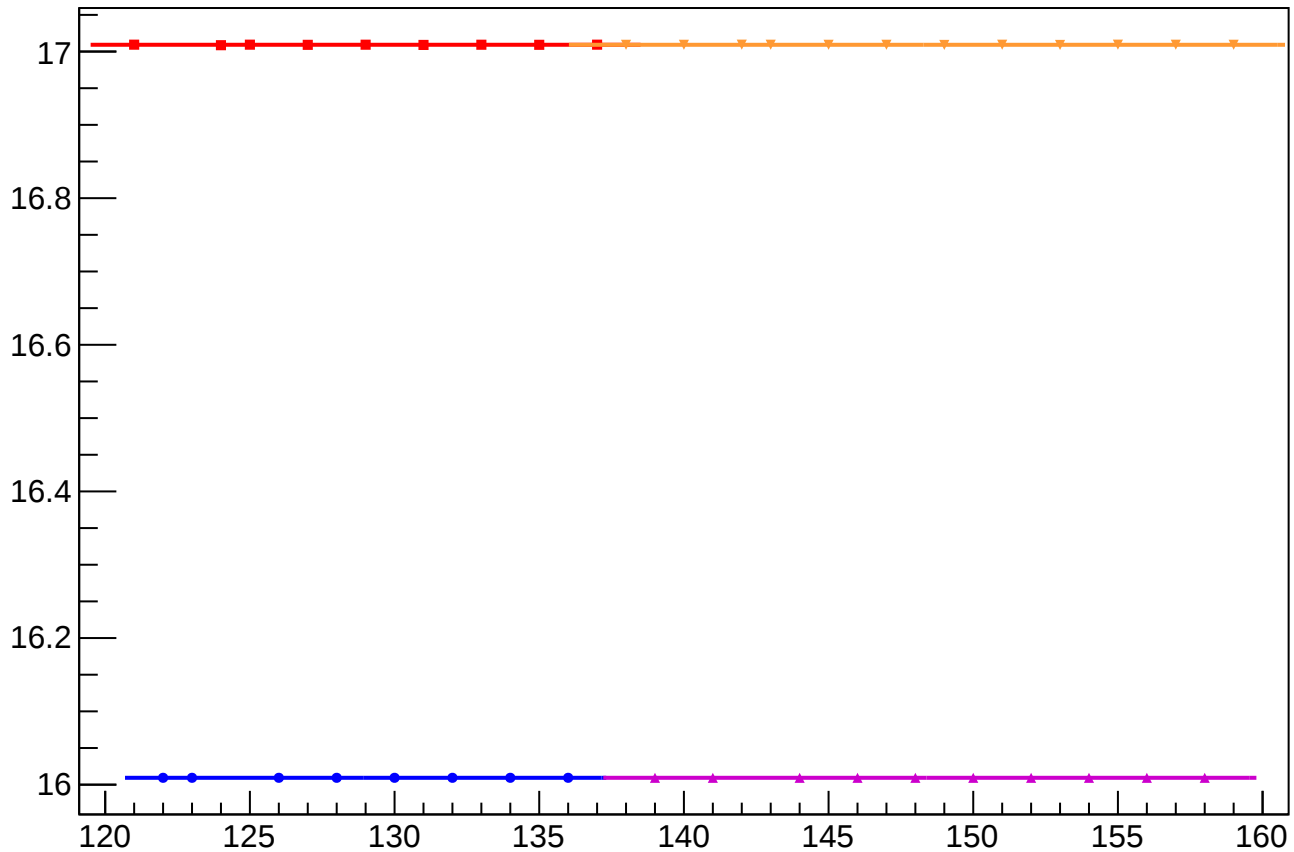
Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/9

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/19

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/18

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009±/-0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009±/-0.000 χ^2/NDF : 10208307372129150314741760.0/11

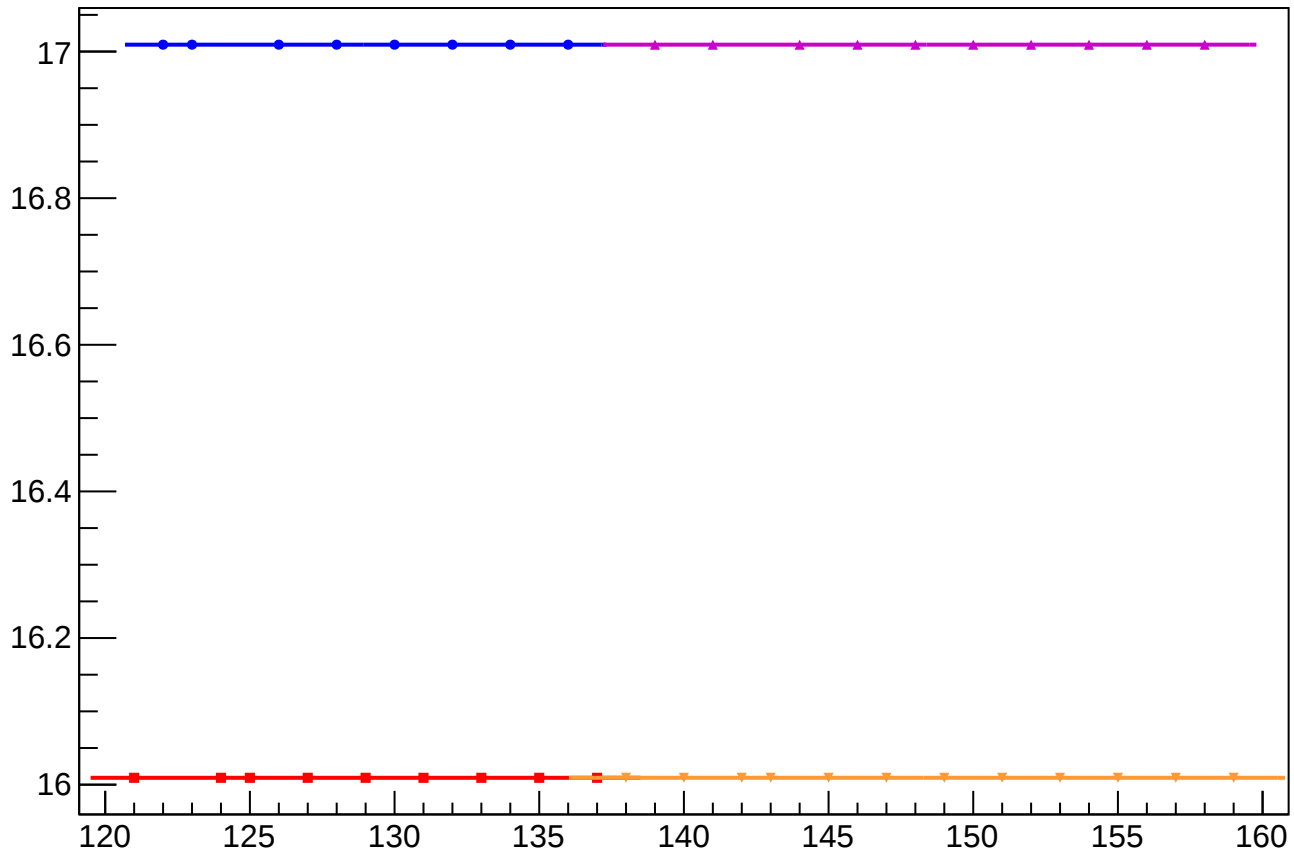
Right Out: 17.009±/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: 16.009±/-0.000 χ^2/NDF : 28714.5/9

16.733±/-0.000 χ^2/NDF : 228489529718113967

16.284±/-0.000 χ^2/NDF : 21887735746840464

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009+/-0.000 χ^2/NDF : 39821.7/11

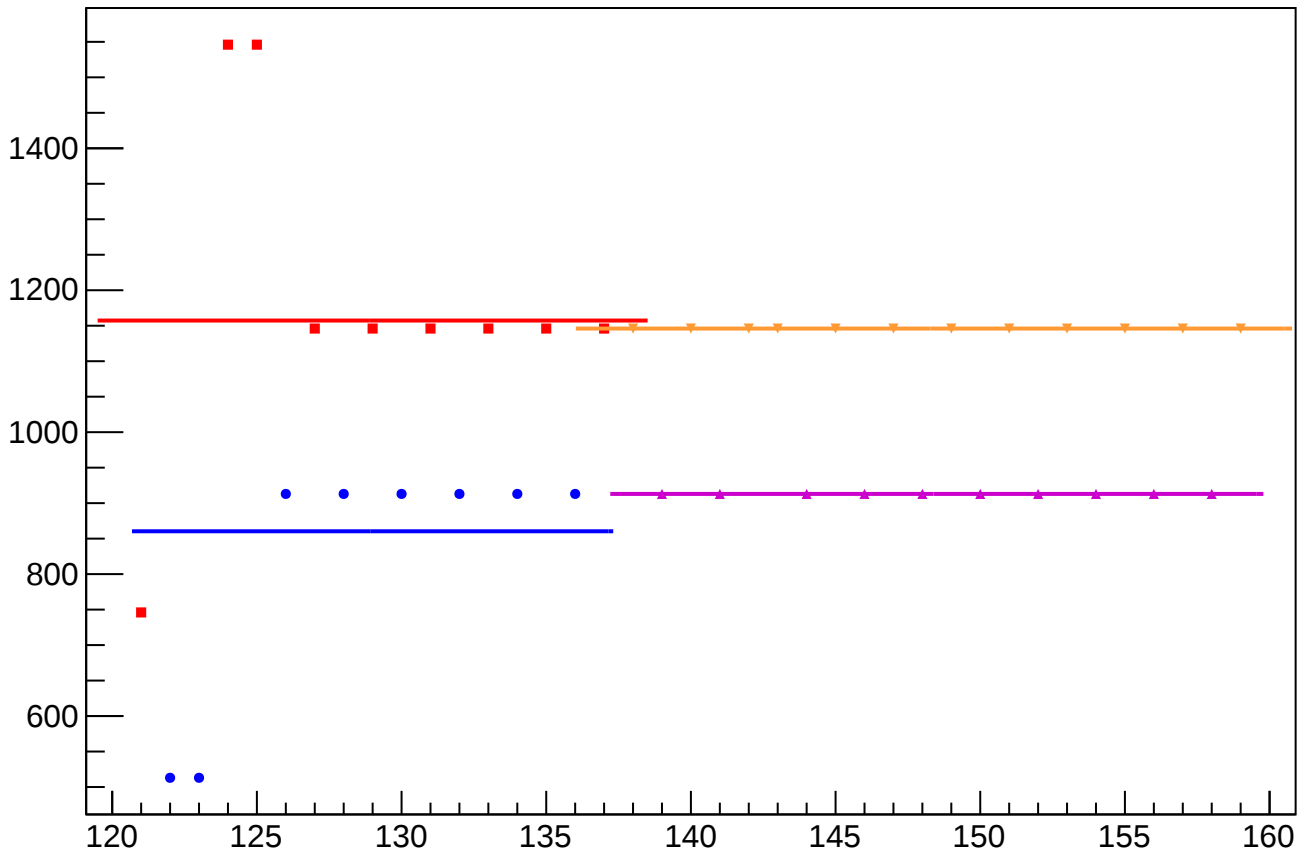
Right Out: 16.009+/-0.000 χ^2/NDF : 17859.8/8

Left In: 17.009+/-0.000 χ^2/NDF : 6942.0/9

16.281+/-0.000 χ^2/NDF : 249023847376784318

16.736+/-0.000 χ^2/NDF : 231726415094317760

RTPAPOSUCNT_mean vs Slug



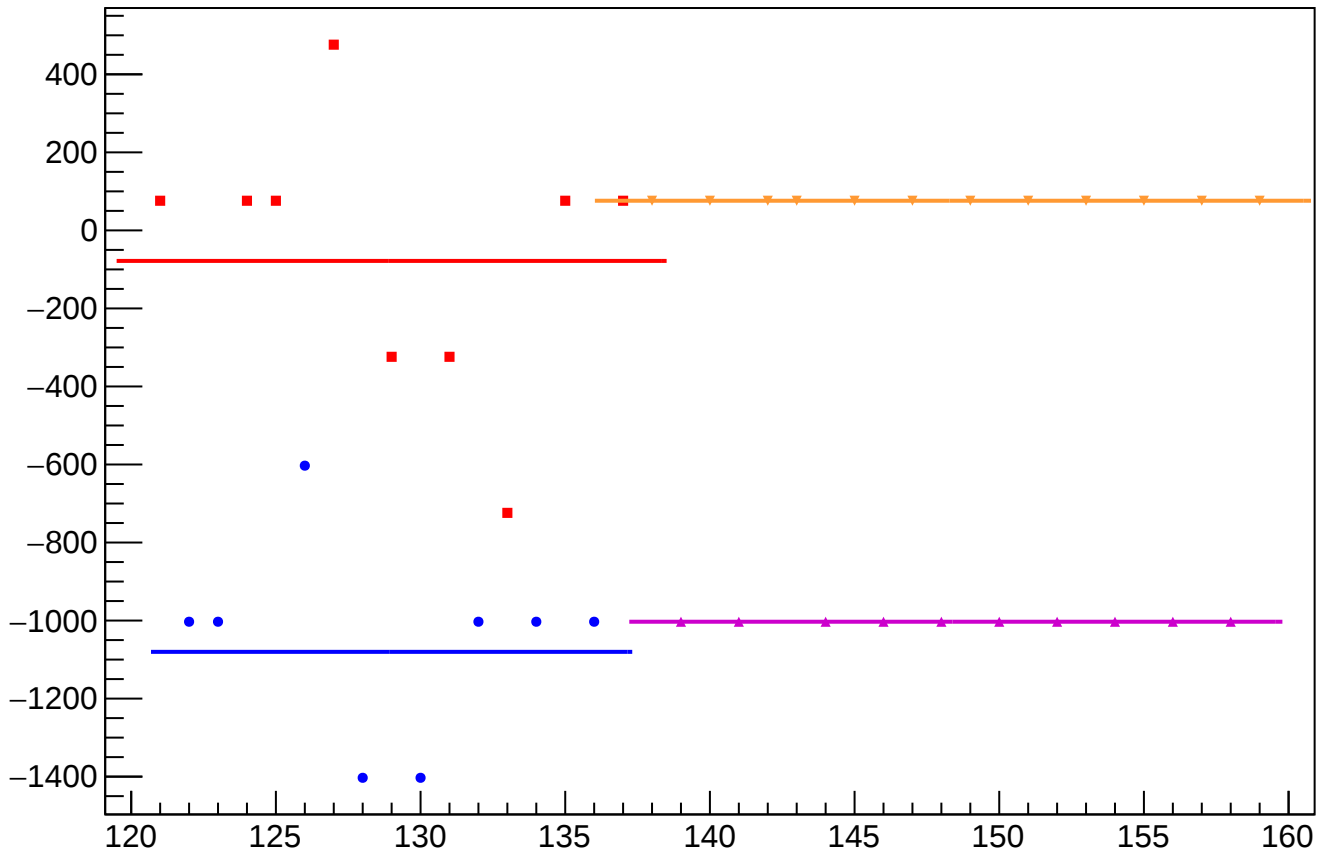
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 2664672947345146801672945664.0/11

Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: 912.994+/-0.000 χ^2/NDF : 10889381656170750382977318912.0/9

RTPAPOSVCNT_mean vs Slug



Right In: -1080.182+/-0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7

Left Out: 76.011+/-0.000 χ^2/NDF : 4212185533395648511756730368.0/11

Right Out: -78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: -1002.990+/-0.000 χ^2/NDF : 1209102455159928353309327360.0/9