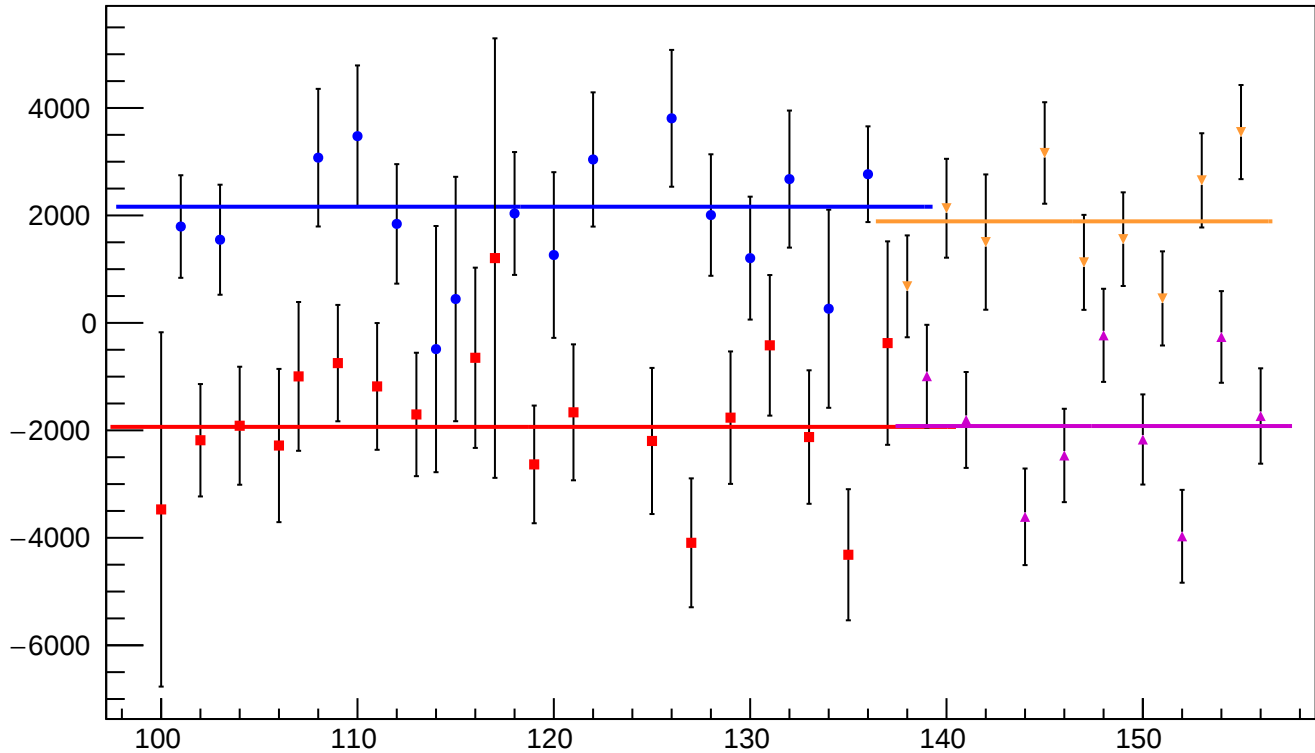


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

2026.417+/-217.509

χ^2/NDF : 20.8/24

Left Out: 1890.006+/-307.897

χ^2/NDF : 11.5/8

Right Out: -1935.183+/-299.773

χ^2/NDF : 13.2/18

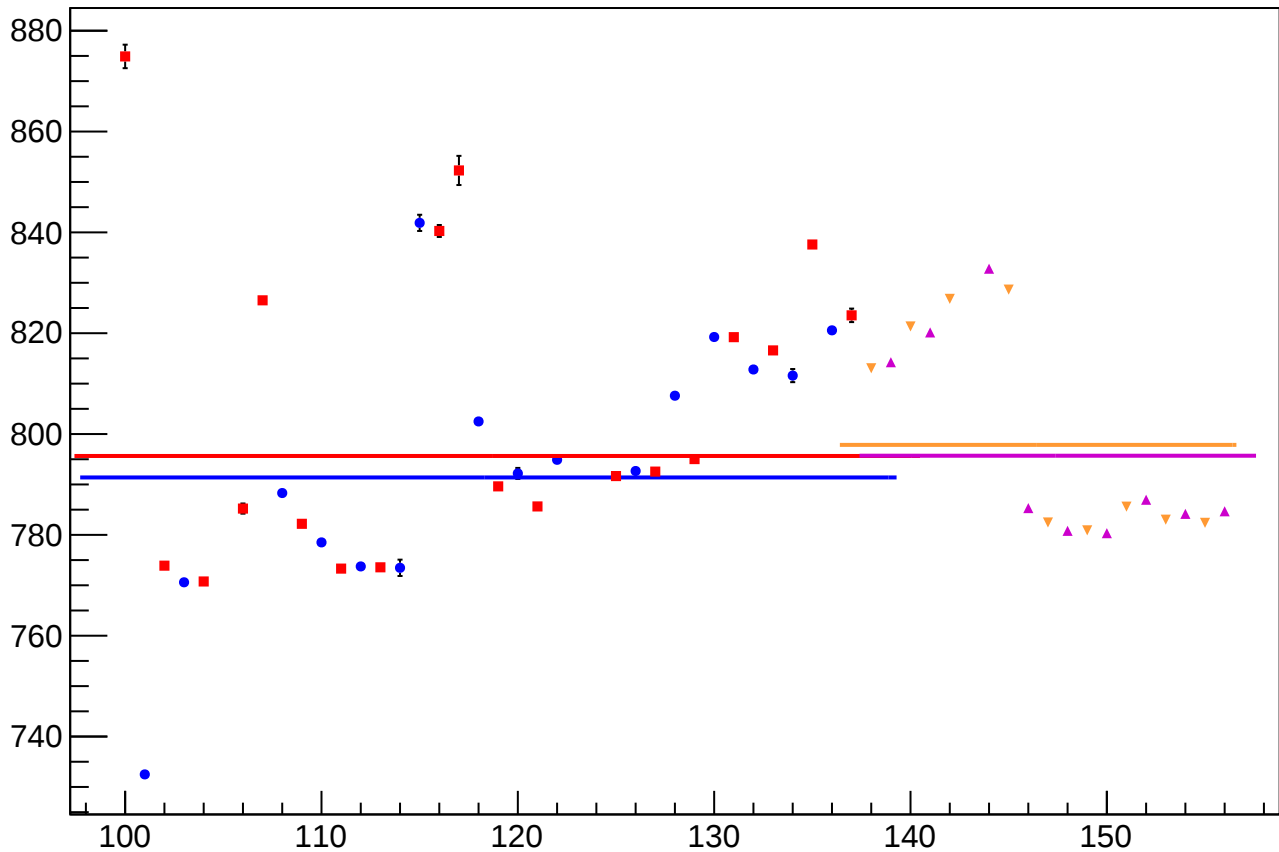
-1927.125+/-209.542

χ^2/NDF : 31.5/27

Left In: -1919.427+/-293.016

χ^2/NDF : 18.2/8

reg_asym_us_avg_rms vs Slug



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

Left Out: 797.850+/-0.218 χ^2/NDF : 7951.9/8

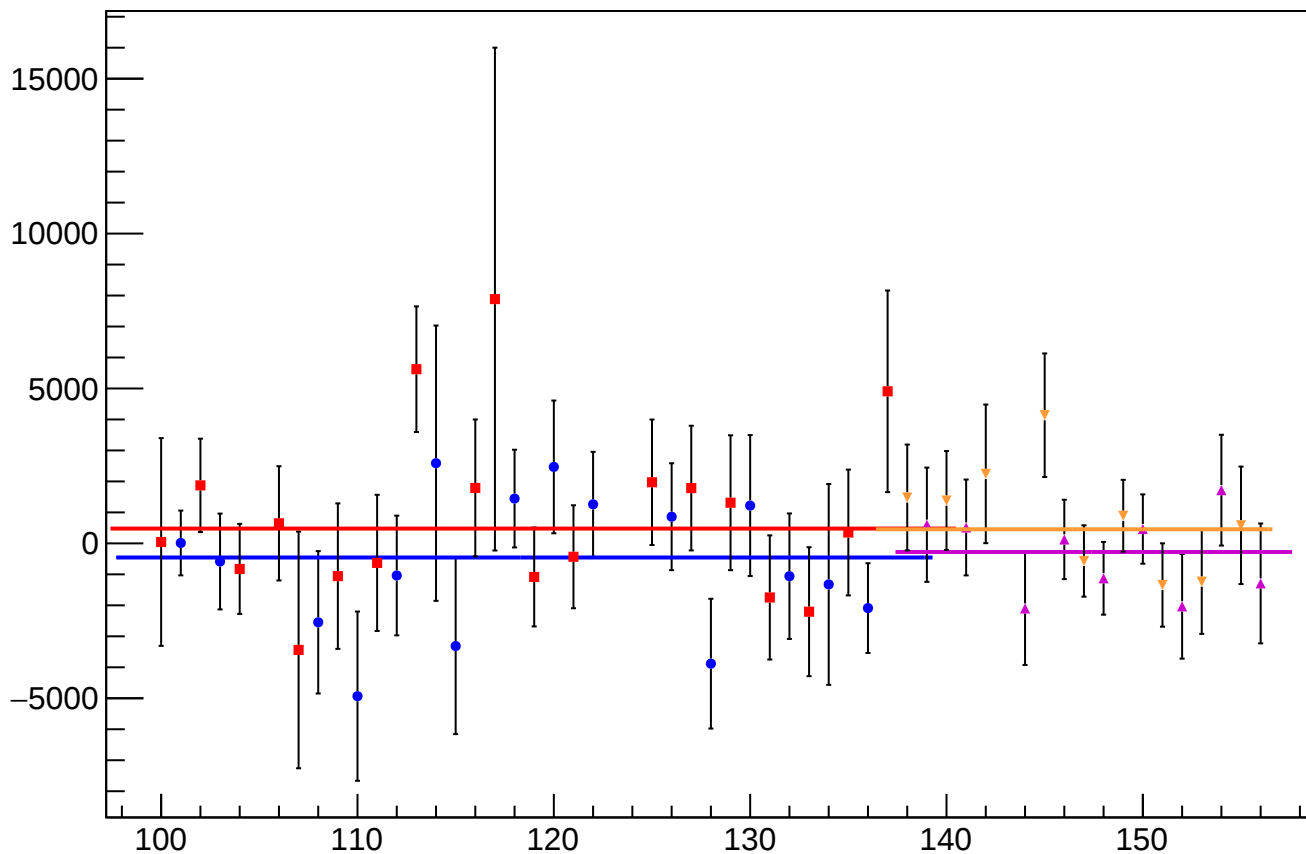
Right Out: 795.650+/-0.212 χ^2/NDF : 11945.4/18

Left In: 795.700+/-0.207 χ^2/NDF : 8087.2/8

794.614+/-0.154 χ^2/NDF : 23401.2/24

795.676+/-0.148 χ^2/NDF : 20032.6/27

asym_us_avg_correction_mean vs Slug



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

Left Out: 454.569 ± 508.584 χ^2/NDF : 8.5/8

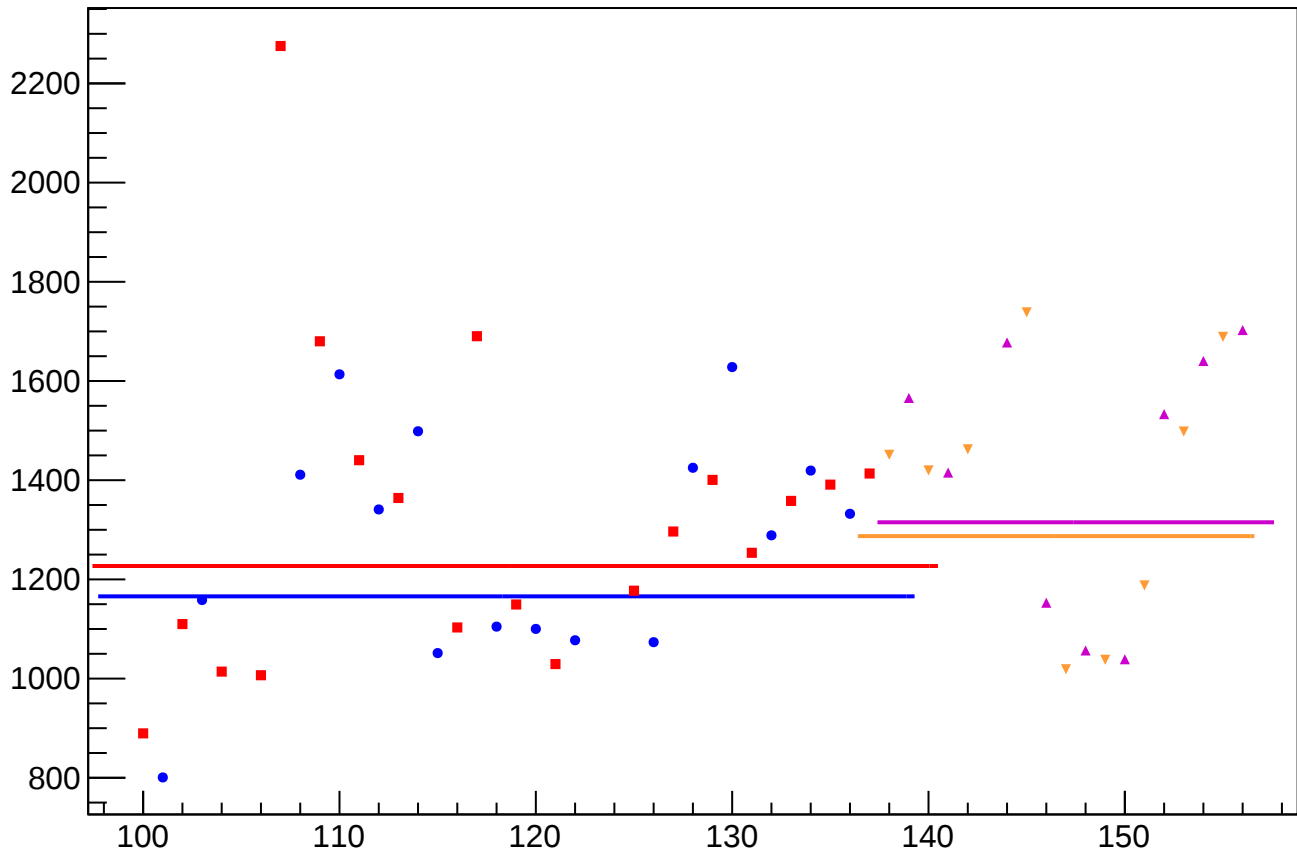
Right Out: 477.782 ± 471.960 χ^2/NDF : 18.2/18

Left In: -278.029 ± 495.332 χ^2/NDF : 5.2/8

-41.966 ± 342.871 χ^2/NDF : 25.1/24

118.128 ± 341.690 χ^2/NDF : 24.5/27

asym_us_avg_correction_rms vs Slug



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

Left Out: 1287.236 $\pm$ 0.360 χ^2 /NDF: 480006.3/8

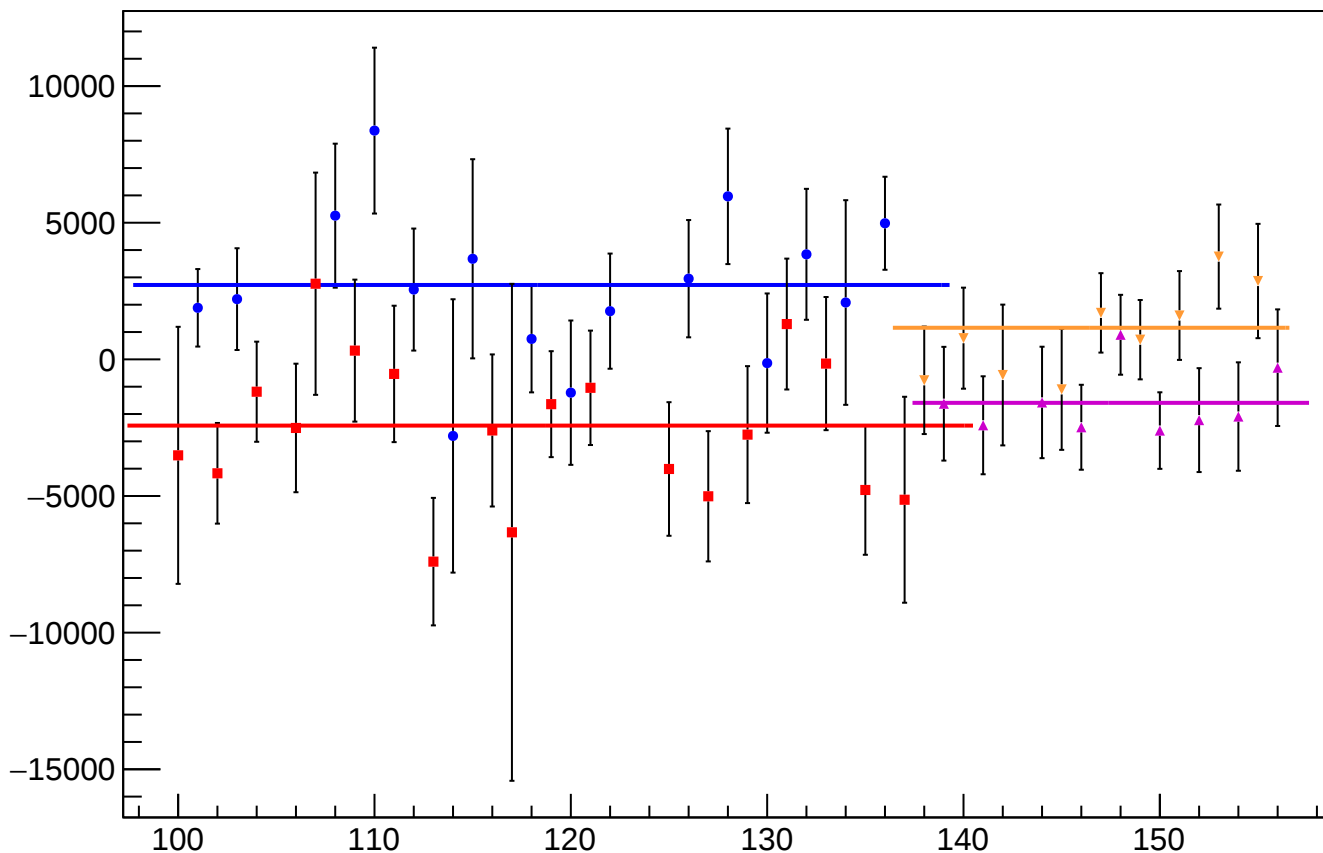
Right Out: 1227.021 $\pm$ 0.334 χ^2 /NDF: 446961.2/18

Left In: 1315.148 $\pm$ 0.350 χ^2 /NDF: 554991.0/8

1221.000 $\pm$ 0.242 χ^2 /NDF: 1068996.1/24

1268.956 $\pm$ 0.242 χ^2 /NDF: 1035135.2/27

asym_us_avg_mean vs Slug



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

Left Out: 1156.269 $\pm$ 604.514 χ^2 /NDF: 5.3/8

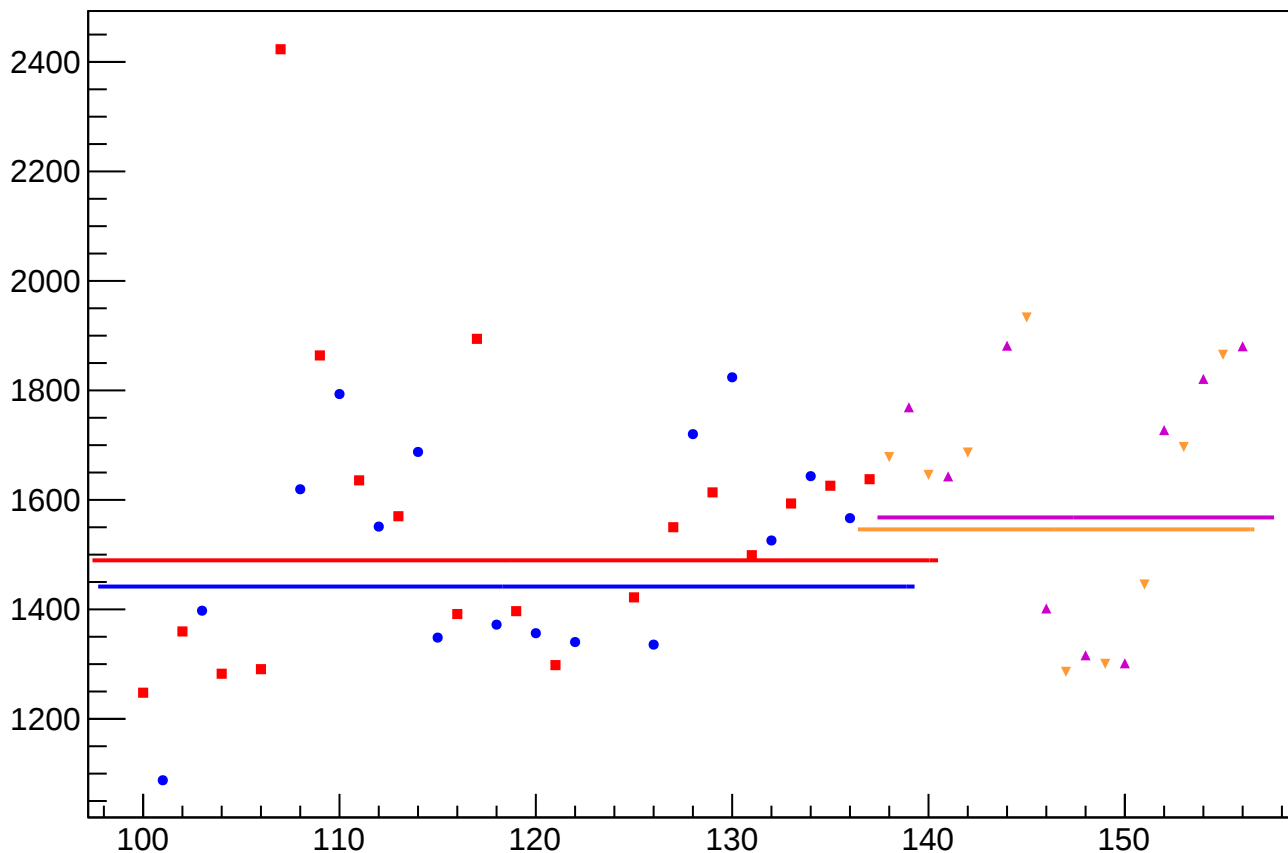
Right Out: -2423.739 $\pm$ 567.866 χ^2 /NDF: 16.5/18

Left In: -1591.216 $\pm$ 584.713 χ^2 /NDF: 4.5/8

1989.174 $\pm$ 413.616 χ^2 /NDF: 23.5/24

-2019.643 $\pm$ 407.368 χ^2 /NDF: 22.0/27

asym_us_avg_rms vs Slug



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

Left Out: 1546.116+/-0.427 χ^2 /NDF: 269957.6/8

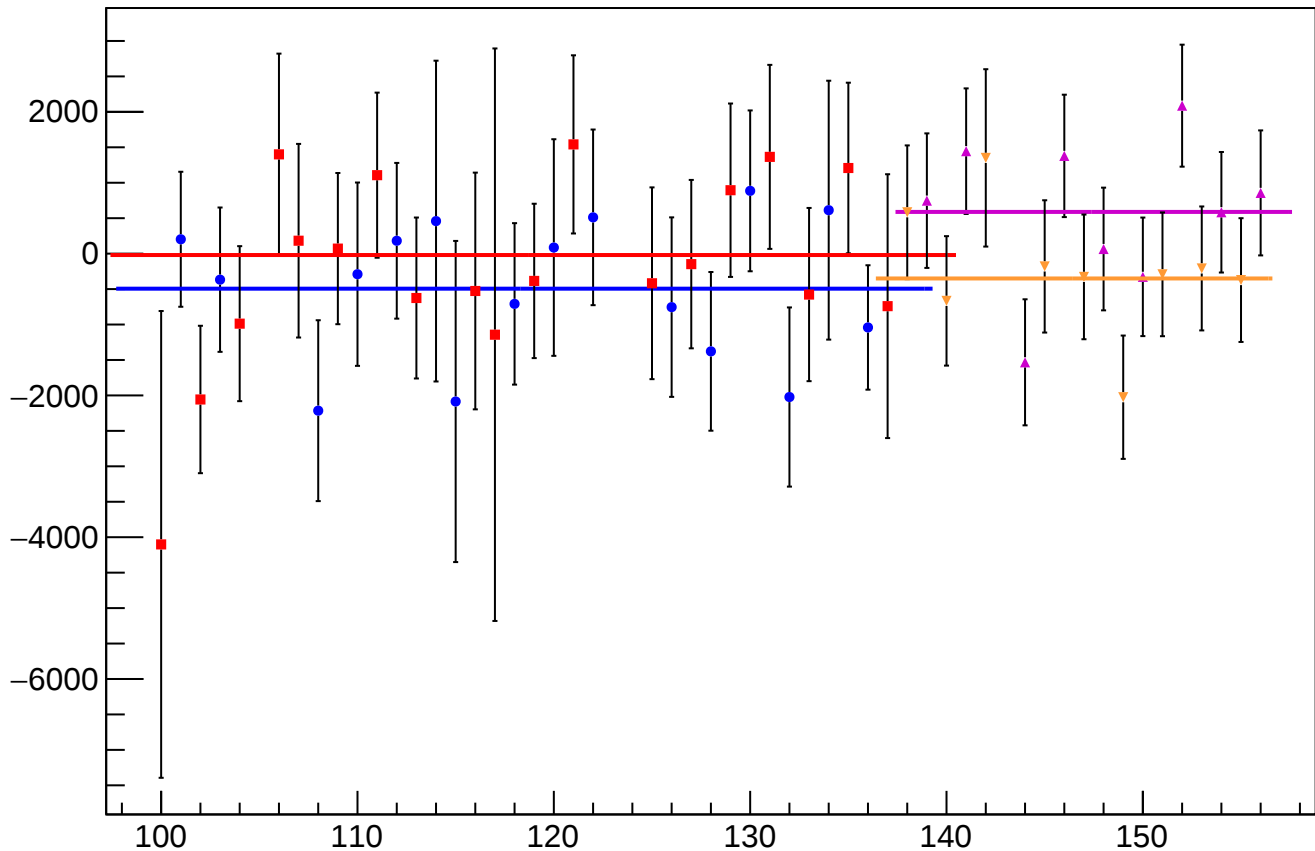
Right Out: 1489.610+/-0.402 χ^2 /NDF: 260116.0/18

Left In: 1567.937+/-0.413 χ^2 /NDF: 313747.4/8

1490.593+/-0.292 χ^2 /NDF: 577583.7/24

1527.629+/-0.288 χ^2 /NDF: 592332.9/27

reg_asym_us_dd_mean vs Slug



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

Left Out: -350.262+/-306.293 χ^2/NDF : 6.7/8

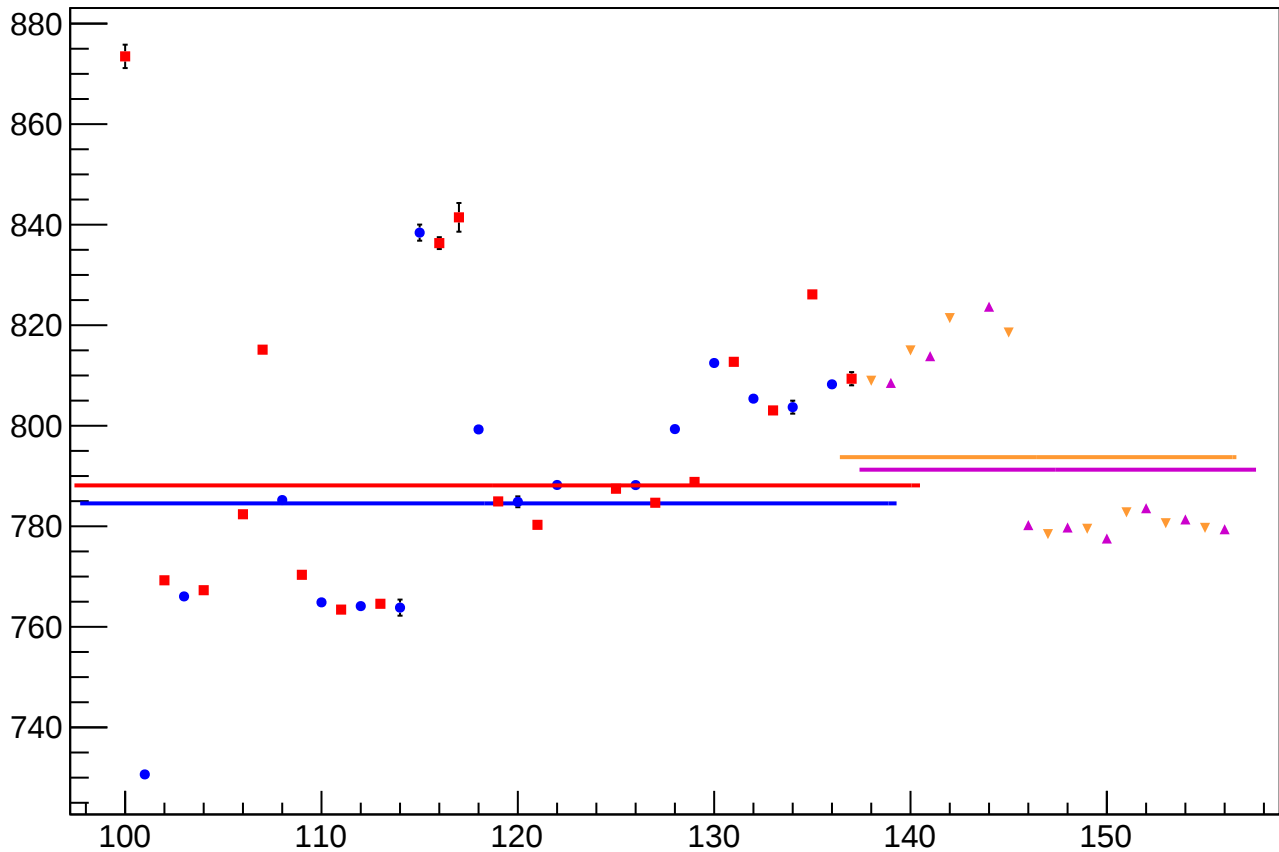
Right Out: -19.622+/-296.930 χ^2/NDF : 13.4/18

Left In: 588.517+/-291.360 χ^2/NDF : 12.2/8

-422.631+/-215.996 χ^2/NDF : 15.5/24

290.205+/-207.964 χ^2/NDF : 27.8/27

reg_asym_us_dd_rms vs Slug



Right In: 784.558 $\pm$ 0.215 χ^2 /NDF: 13677.7/15

Left Out: 793.756 $\pm$ 0.217 χ^2 /NDF: 6422.1/8

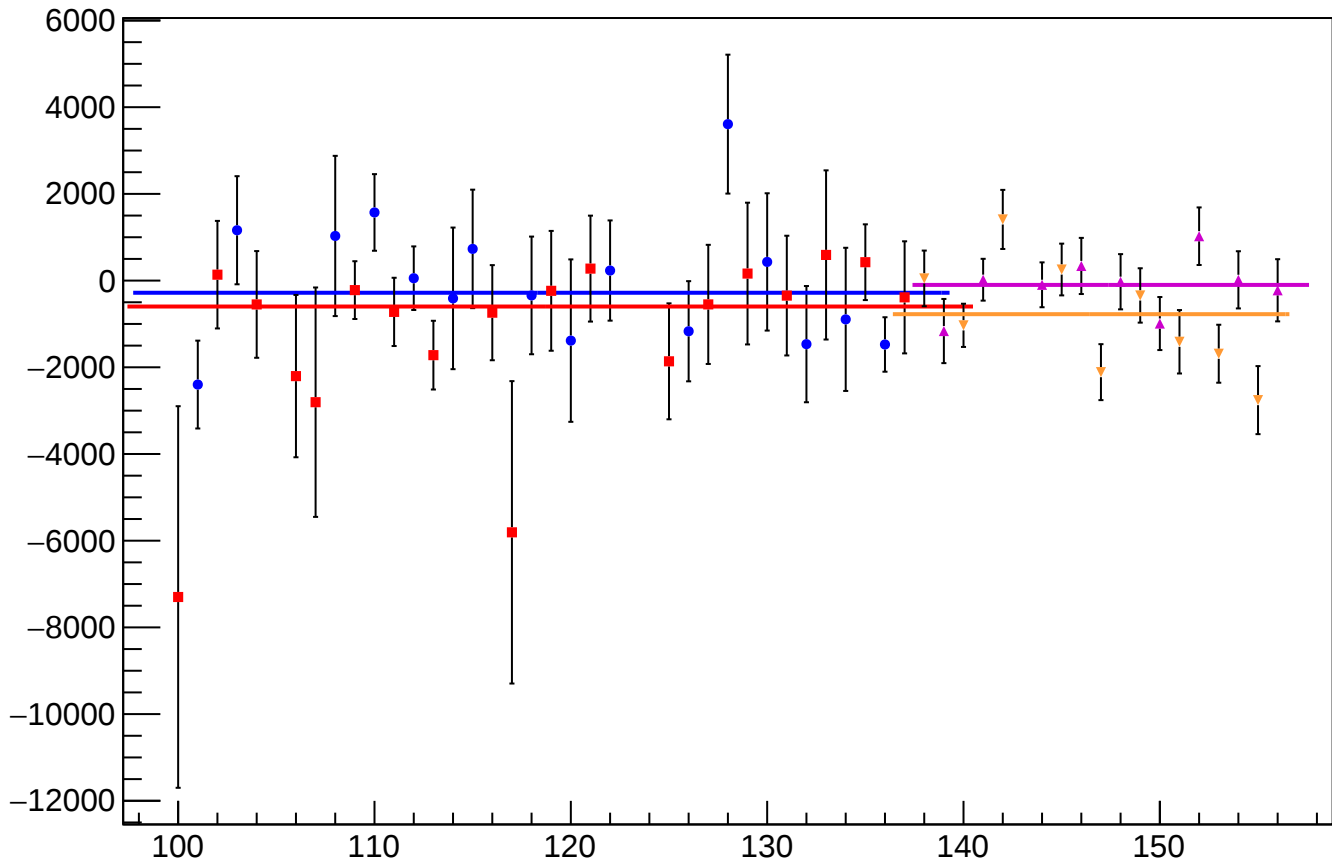
Right Out: 788.134 $\pm$ 0.210 χ^2 /NDF: 11259.7/18

Left In: 791.261 $\pm$ 0.206 χ^2 /NDF: 6629.7/8

789.132 $\pm$ 0.153 χ^2 /NDF: 21006.4/24

789.727 $\pm$ 0.147 χ^2 /NDF: 18002.4/27

asym_us_dd_correction_mean vs Slug



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

Left Out: -774.724 ± 212.816 χ^2/NDF : 28.9/8

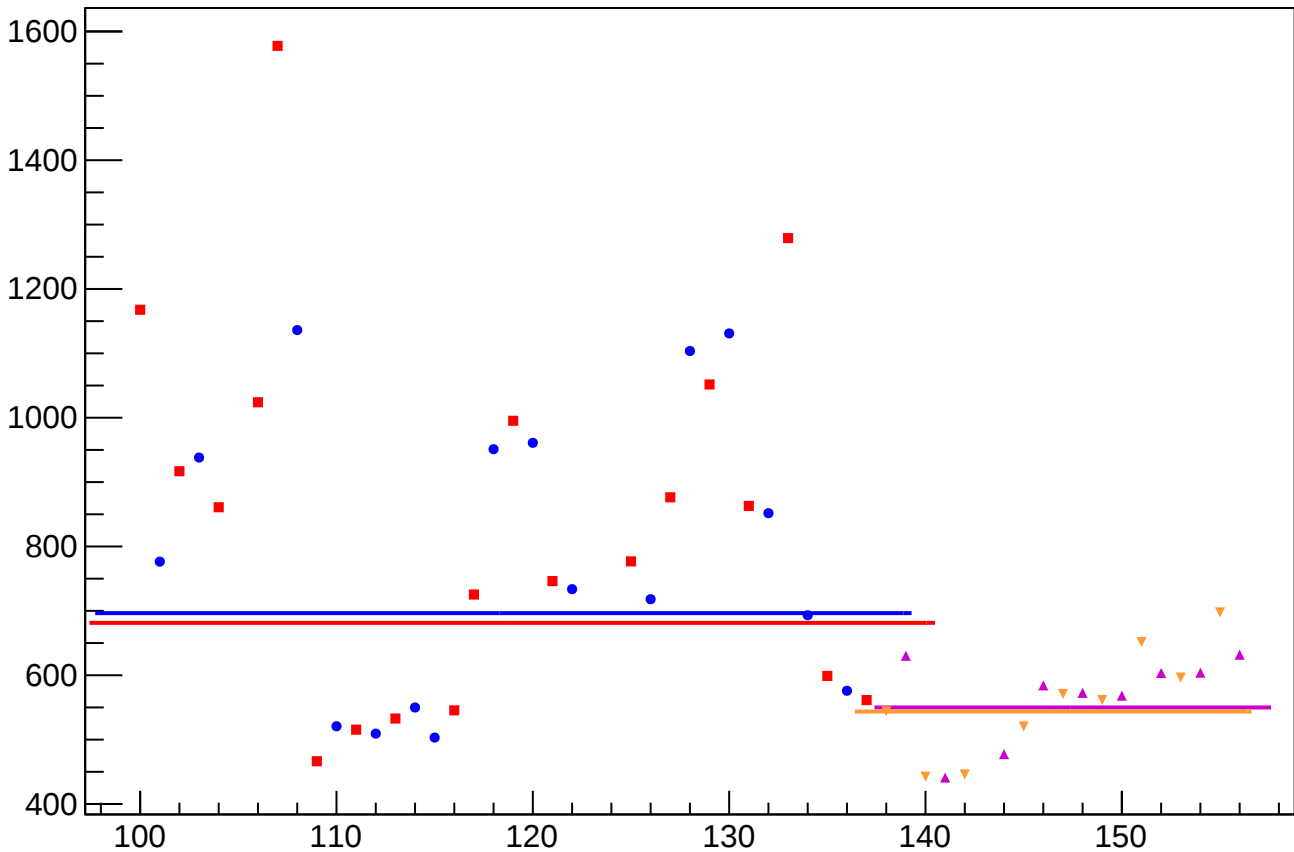
Right Out: -598.108 ± 272.052 χ^2/NDF : 12.2/18

Left In: -99.732 ± 204.584 χ^2/NDF : 7.6/8

-595.841 ± 169.981 χ^2/NDF : 54.0/24

-279.761 ± 163.510 χ^2/NDF : 22.0/27

asym_us_dd_correction_rms vs Slug



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

Left Out: 543.563 $\pm$ 0.150 χ^2 /NDF: 264702.0/8

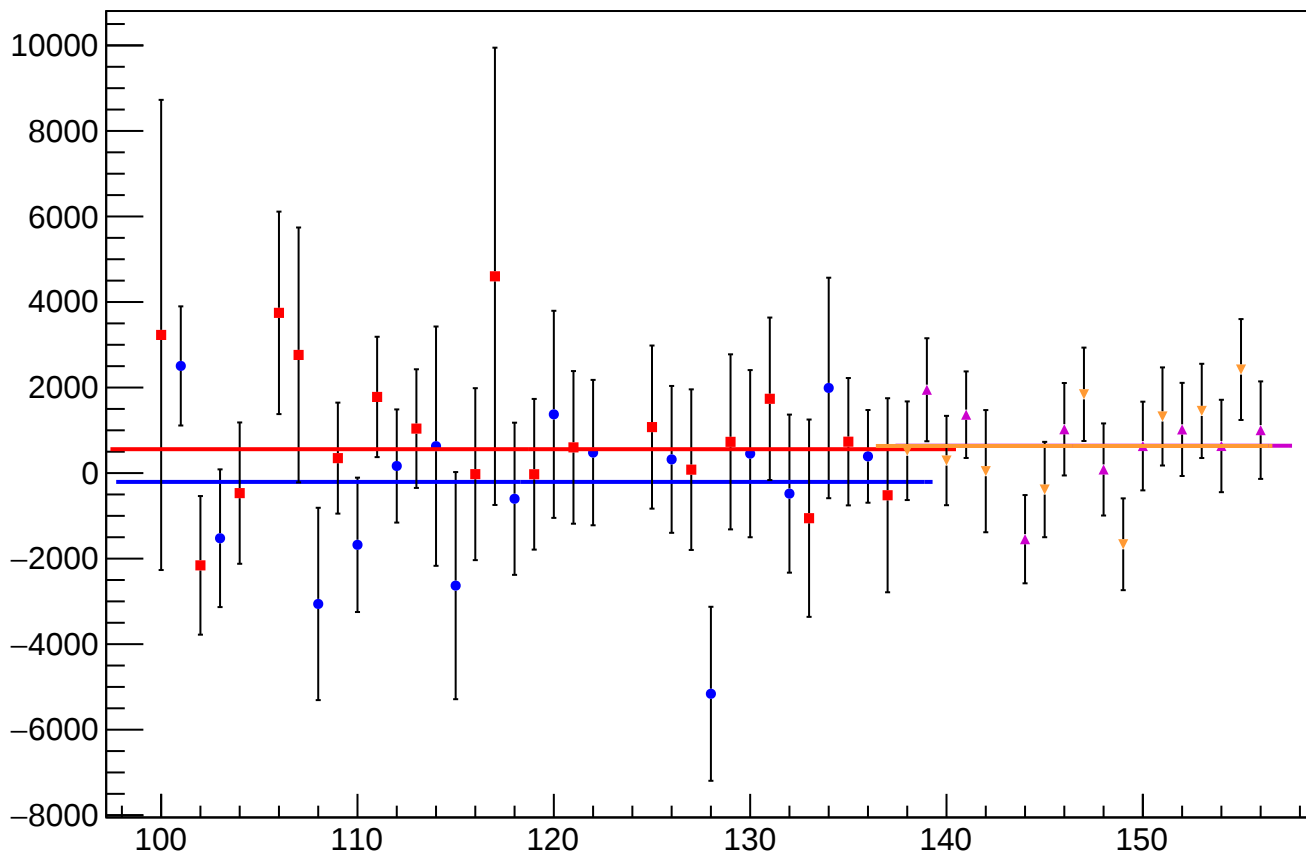
598.919 $\pm$ 0.120 χ^2 /NDF: 1597949.1/24

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

597.429 $\pm$ 0.116 χ^2 /NDF: 1878364.8/27

Left In: 549.945 $\pm$ 0.145 χ^2 /NDF: 227224.5/8

asym_us_dd_mean vs Slug



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

Left Out: 633.791 ± 378.692 χ^2/NDF : 10.1/8

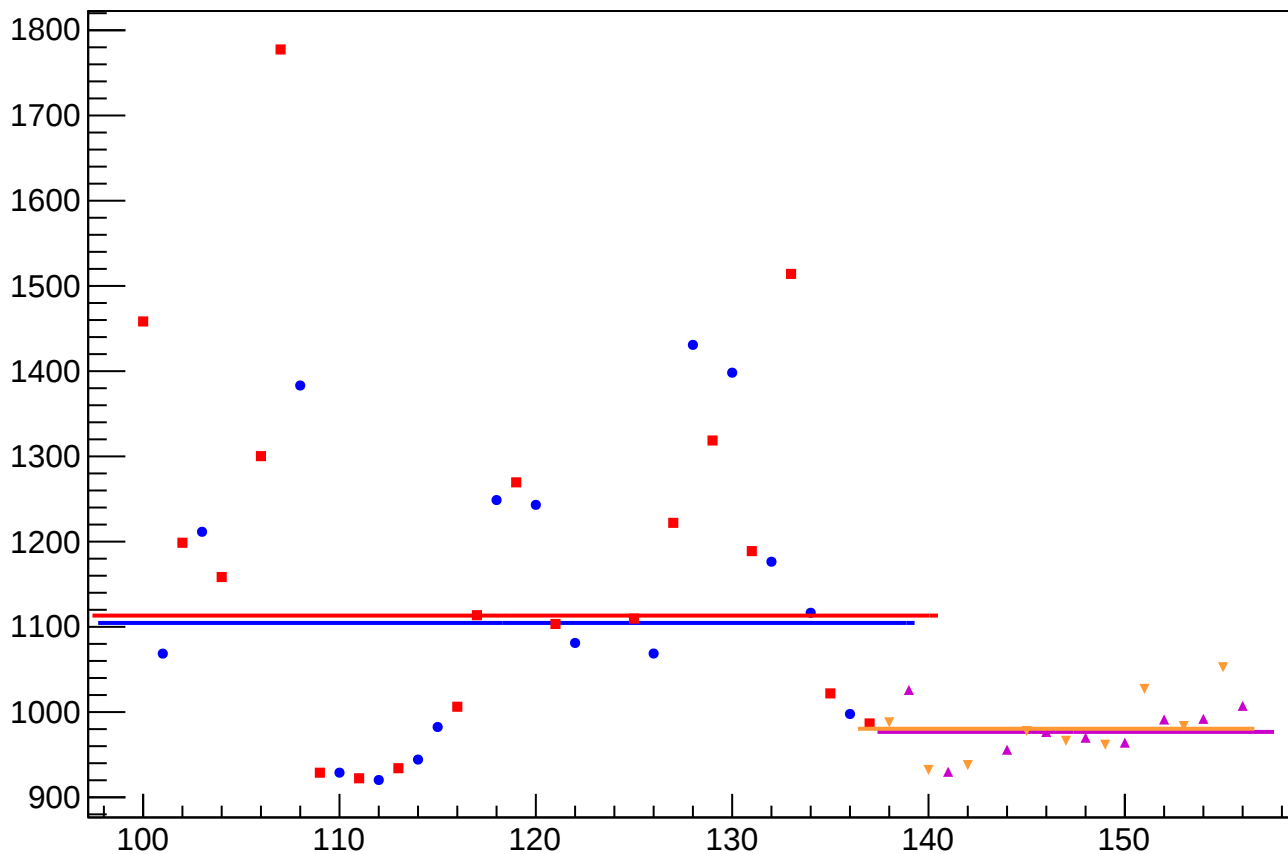
Right Out: 558.638 ± 425.771 χ^2/NDF : 8.7/18

Left In: 639.635 ± 359.819 χ^2/NDF : 6.8/8

270.403 ± 285.275 χ^2/NDF : 28.0/24

605.888 ± 274.824 χ^2/NDF : 15.5/27

asym_us_dd_rms vs Slug



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

Left Out: 980.451+/-0.268 χ^2/NDF :17941.1/8

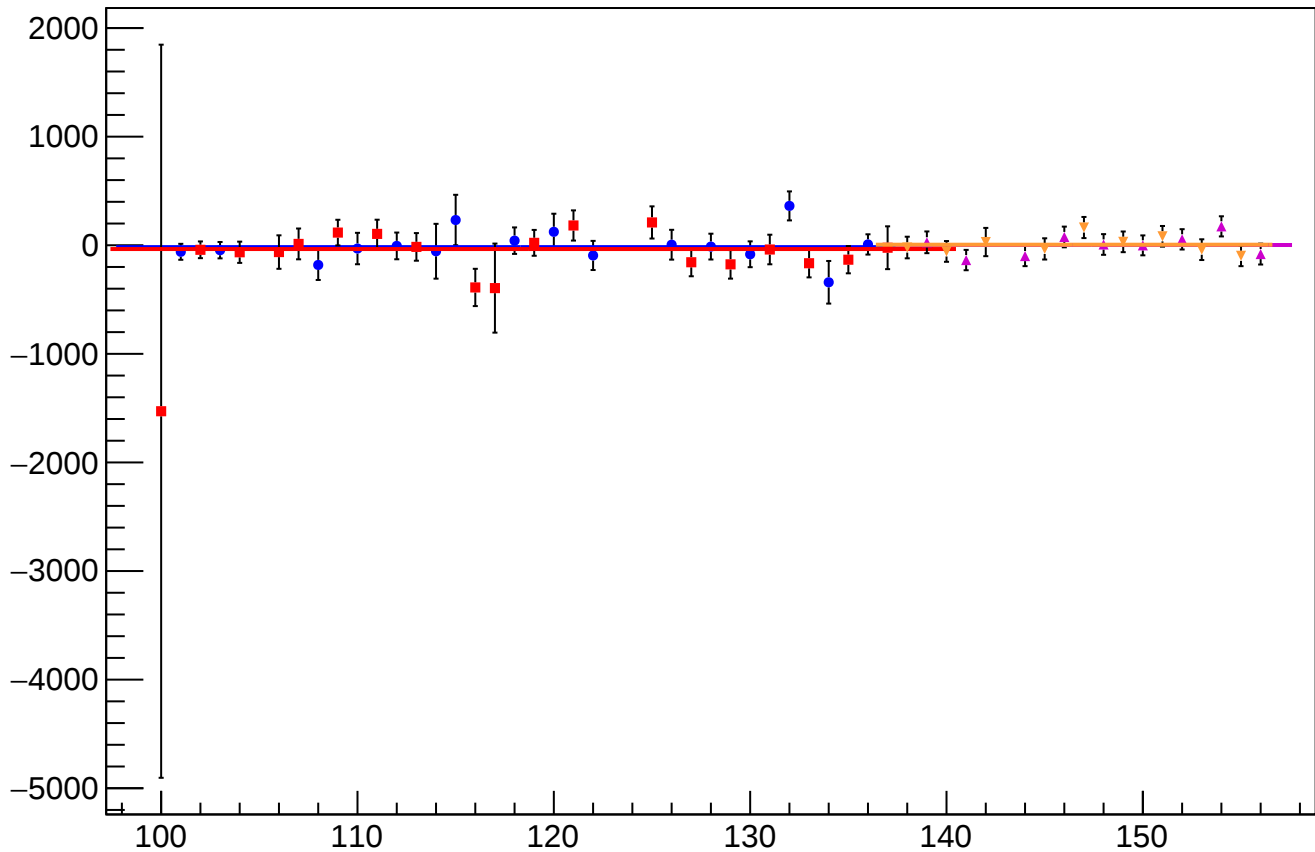
Right Out: 1113.218+/-0.301 χ^2/NDF : 362982.2/18

Left In: 976.731+/-0.254 χ^2/NDF :11020.5/8

1034.146+/-0.202 χ^2/NDF : 366393.9/24

1033.596+/-0.194 χ^2/NDF : 493897.6/27

reg_asym_ds_avg_mean vs Slug



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

Left Out: 4.979 ± 32.964 χ^2/NDF : 5.4/8

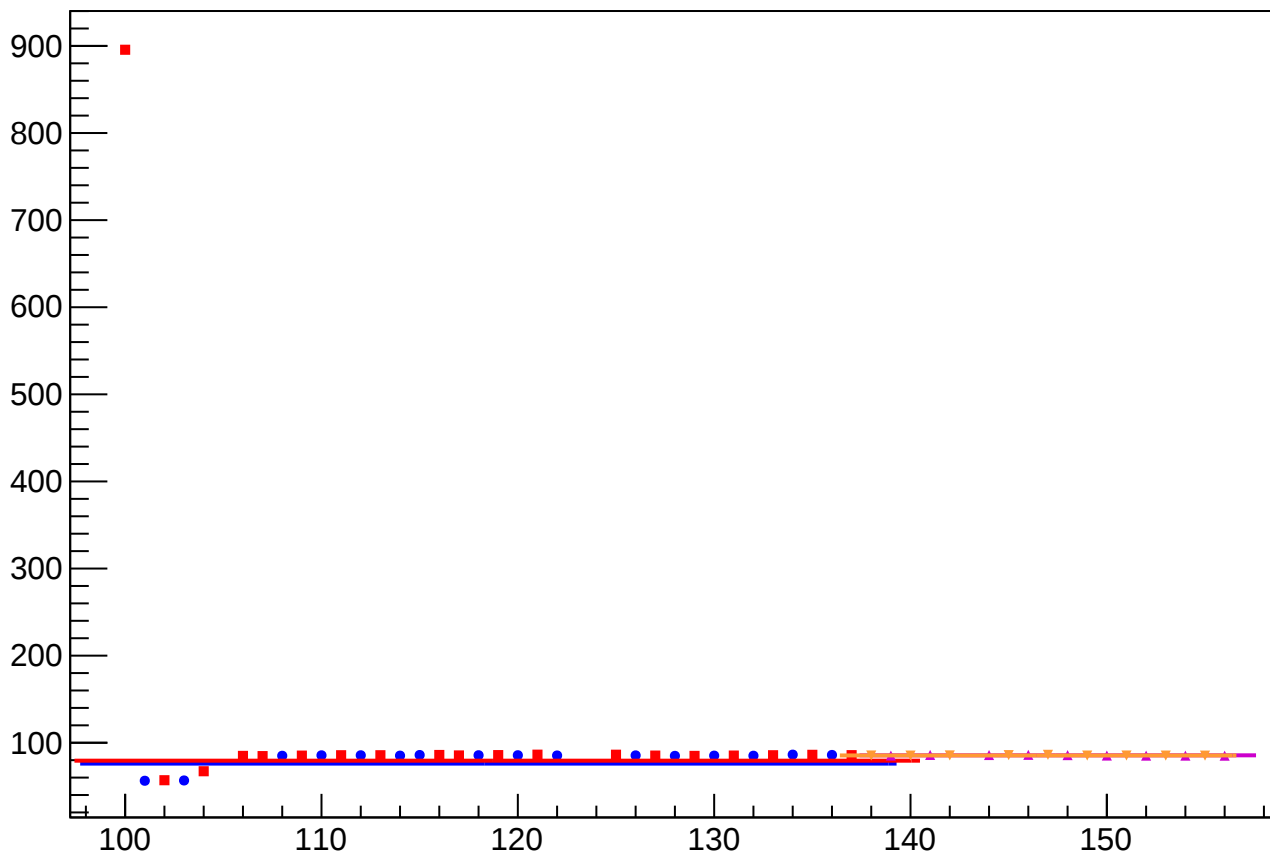
Right Out: -34.875 ± 30.363 χ^2/NDF : 17.3/18

Left In: 2.317 ± 31.505 χ^2/NDF : 8.6/8

-7.177 ± 22.182 χ^2/NDF : 21.3/24

-16.966 ± 21.862 χ^2/NDF : 26.6/27

reg_asym_ds_avg_rms vs Slug



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

Left Out: 85.444+/-0.023 χ^2/NDF :164.2/8

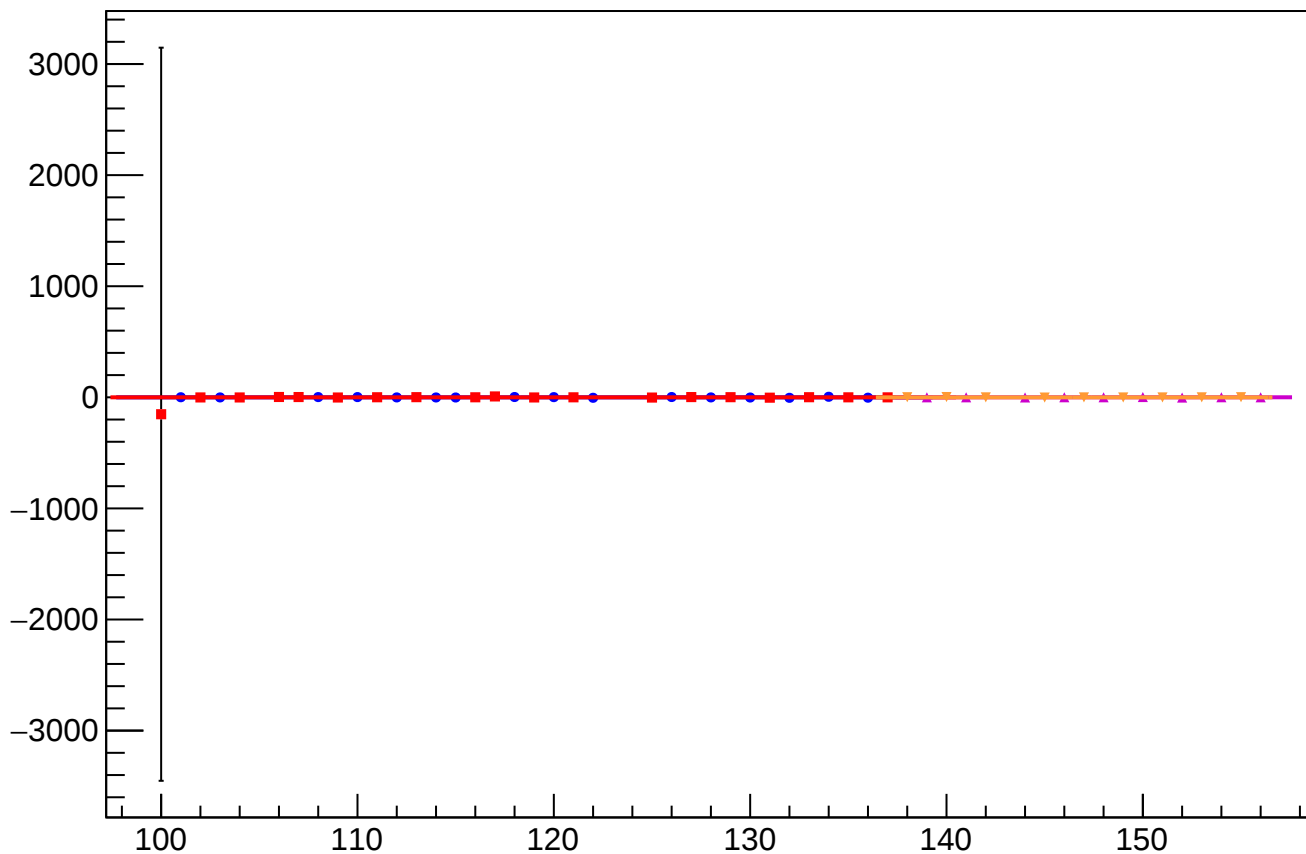
Right Out: 79.423+/-0.021 χ^2/NDF : 378959.4/18

Left In: 85.577+/-0.022 χ^2/NDF :288.2/8

80.320+/-0.016 χ^2/NDF : 497666.6/24

82.386+/-0.015 χ^2/NDF : 418805.7/27

asym_ds_avg_correction_mean vs Slug



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

Left Out: -0.228+/-0.553 χ^2/NDF : 5.4/8

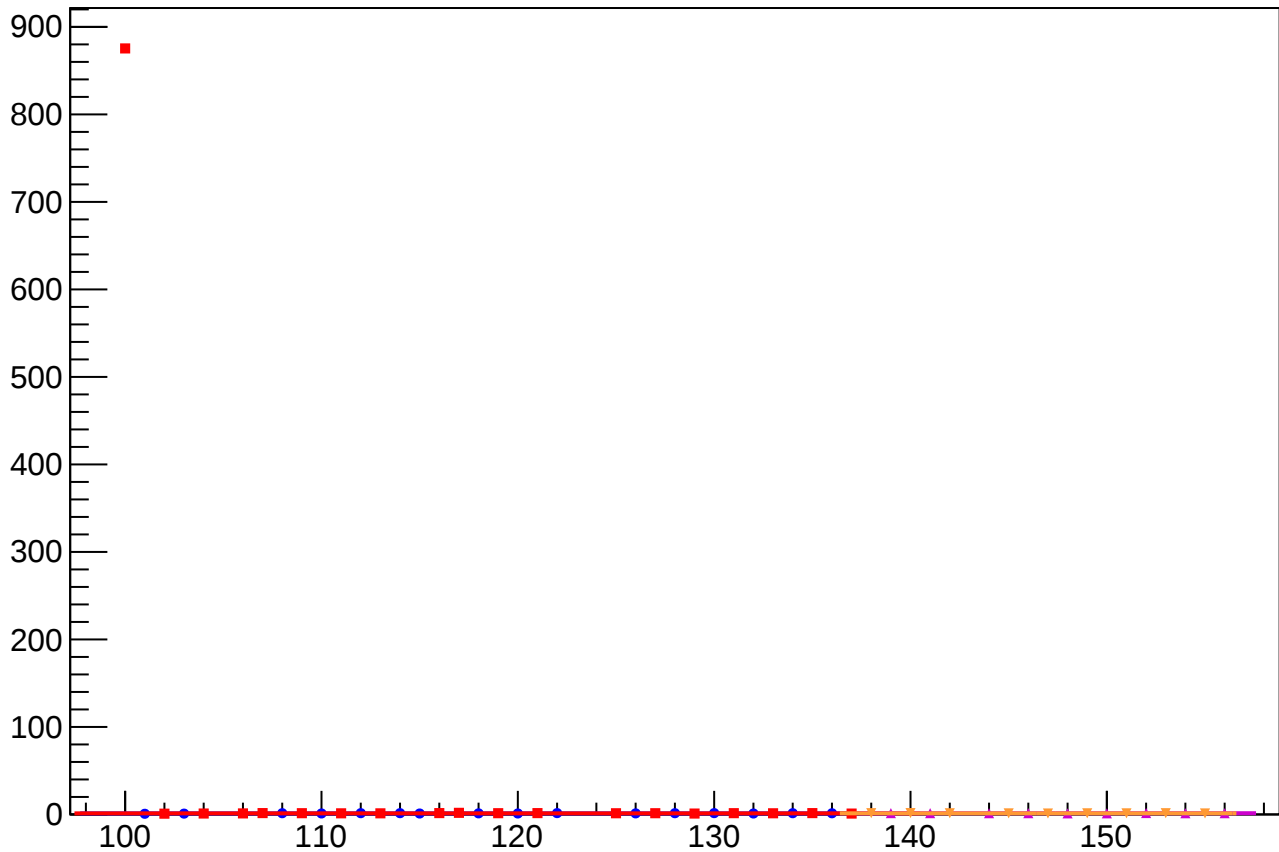
Right Out: -0.051+/-0.520 χ^2/NDF : 9.8/18

Left In: 0.353+/-0.563 χ^2/NDF : 4.9/8

-0.257+/-0.371 χ^2/NDF : 26.5/24

0.135+/-0.382 χ^2/NDF : 14.9/27

asym_ds_avg_correction_rms vs Slug



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

Left Out: 1.295 $\pm$ 0.000 χ^2 /NDF:137226.8/8

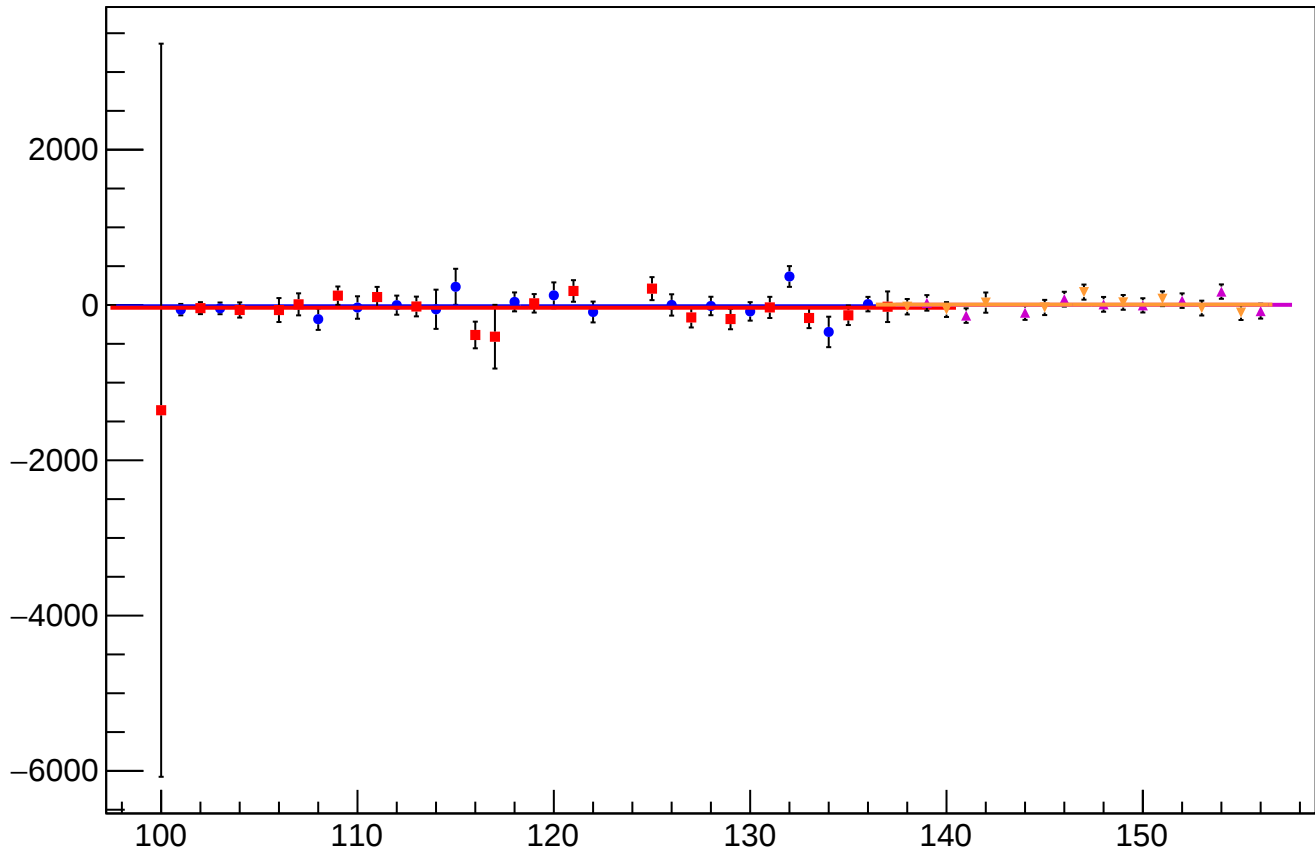
Right Out: 1.249 $\pm$ 0.000 χ^2 /NDF: 526097.8/18

Left In: 1.416 $\pm$ 0.000 χ^2 /NDF:74124.2/8

1.217 $\pm$ 0.000 χ^2 /NDF: 724486.4/24

1.326 $\pm$ 0.000 χ^2 /NDF: 694964.4/27

asym_ds_avg_mean vs Slug



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

-6.546 $\pm$ 22.188 χ^2 /NDF: 21.6/24

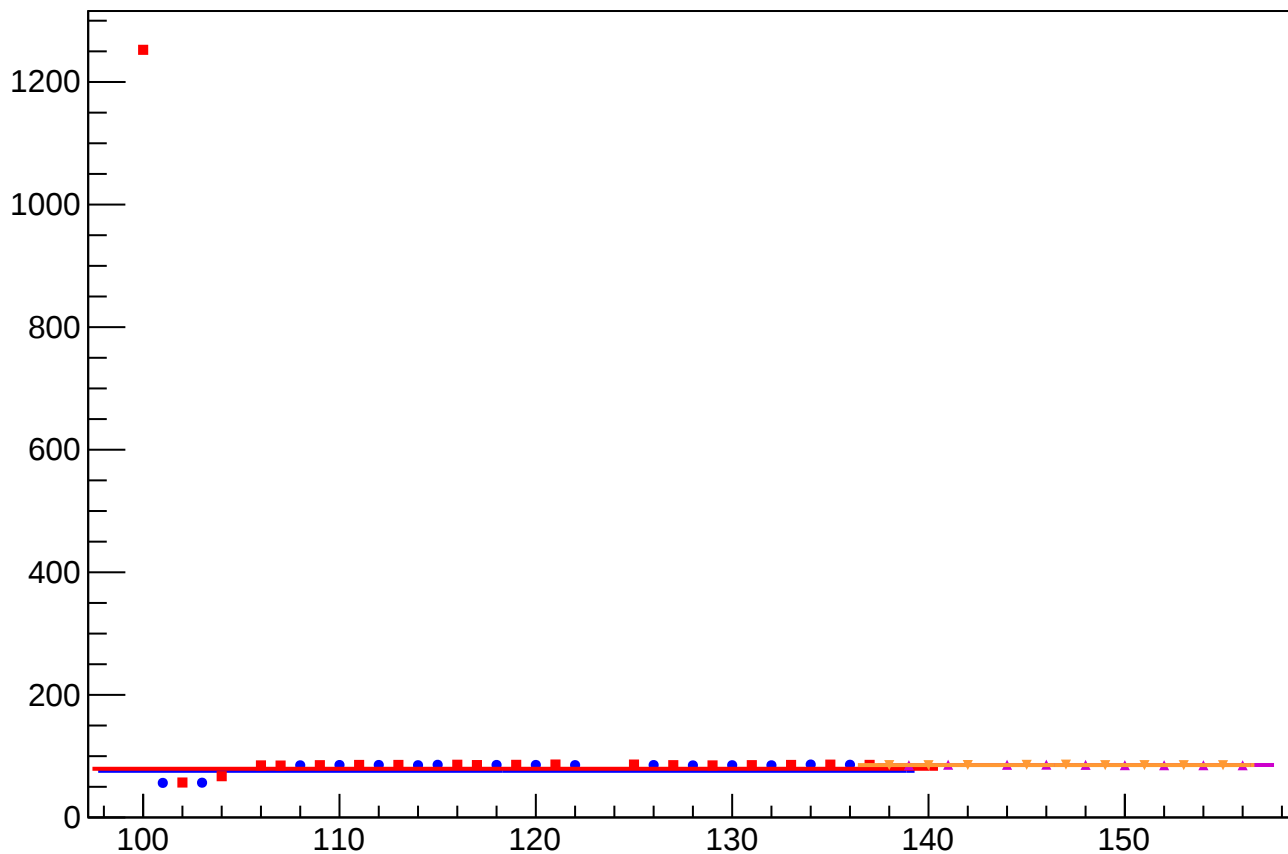
Left Out: 5.254 $\pm$ 32.972 χ^2 /NDF: 5.5/8

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

-17.159 $\pm$ 21.869 χ^2 /NDF: 26.5/27

Left In: 2.234 $\pm$ 31.514 χ^2 /NDF: 8.4/8

asym_ds_avg_rms vs Slug



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

Left Out: 85.467+/-0.023 χ^2 /NDF:164.3/8

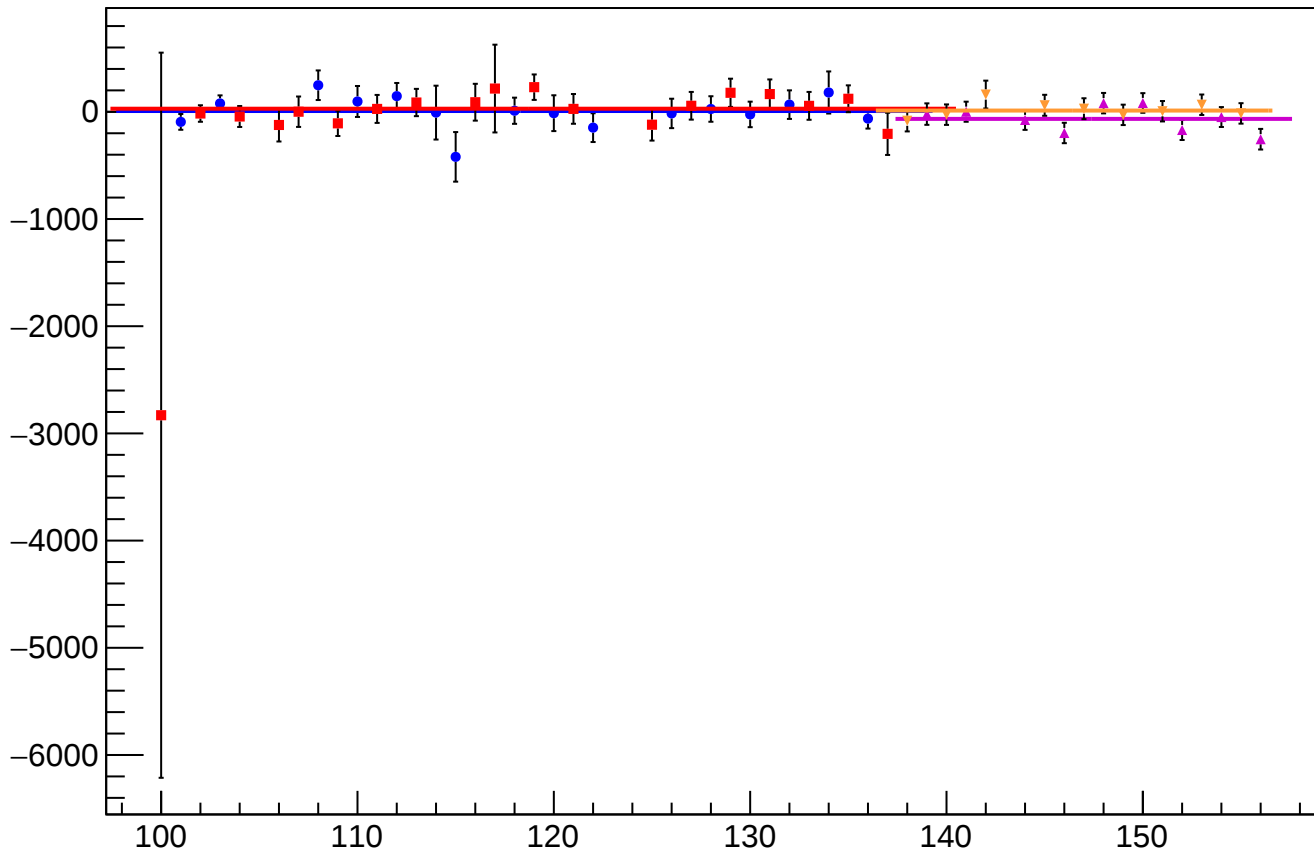
Right Out: 79.426+/-0.021 χ^2 /NDF: 385484.8/18

Left In: 85.600+/-0.022 χ^2 /NDF:287.8/8

80.341+/-0.016 χ^2 /NDF: 497695.9/24

82.399+/-0.015 χ^2 /NDF: 425559.7/27

reg_asym_ds_dd_mean vs Slug



Right In: 7.460 ± 29.969 $\chi^2/\text{NDF}: 13.9/15$

Left Out: 11.721 ± 32.967 $\chi^2/\text{NDF}: 3.3/8$

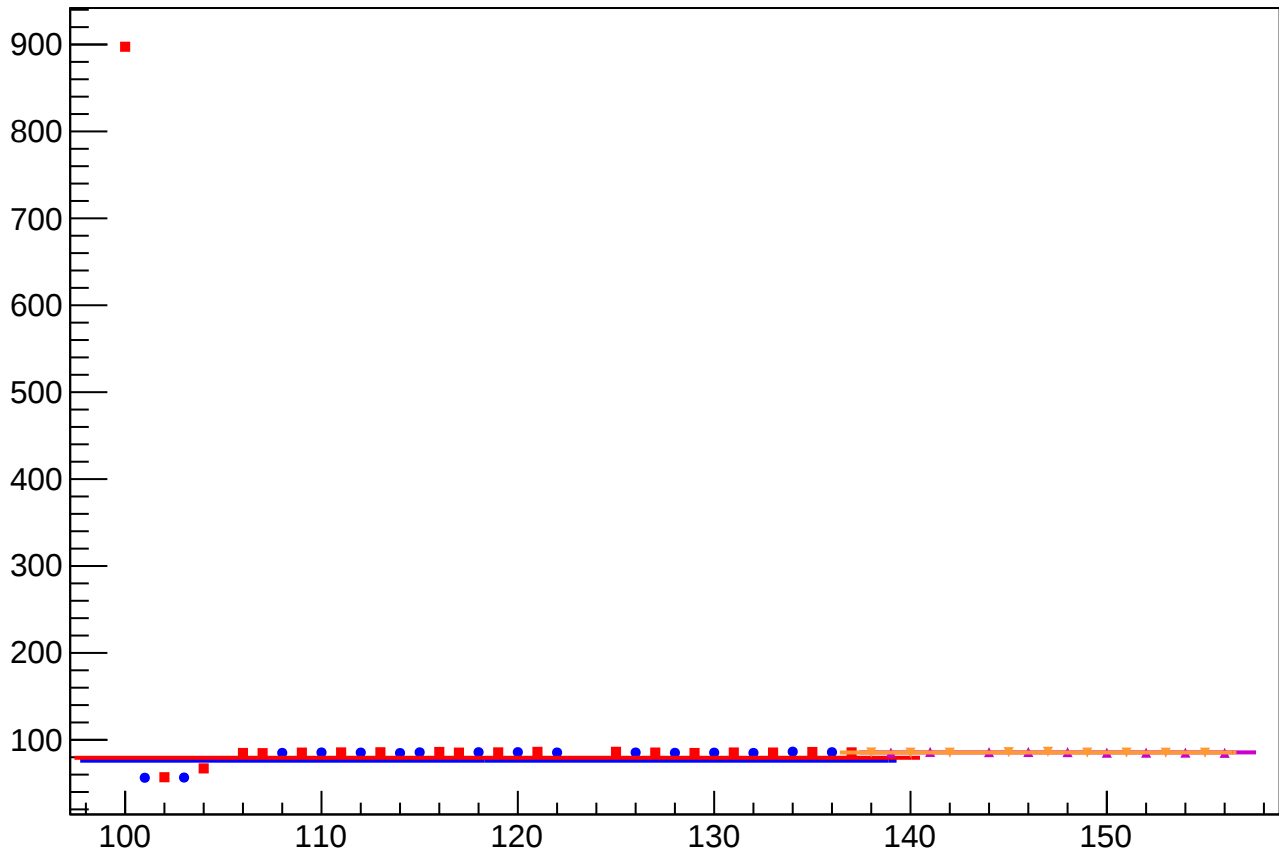
Right Out: 28.958 ± 30.344 $\chi^2/\text{NDF}: 12.7/18$

Left In: -65.964 ± 31.506 $\chi^2/\text{NDF}: 12.8/8$

9.388 ± 22.176 $\chi^2/\text{NDF}: 17.2/24$

-16.721 ± 21.856 $\chi^2/\text{NDF}: 30.2/27$

reg_asym_ds_dd_rms vs Slug



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

Left Out: 85.453 $\pm$ 0.023 χ^2 /NDF:219.1/8

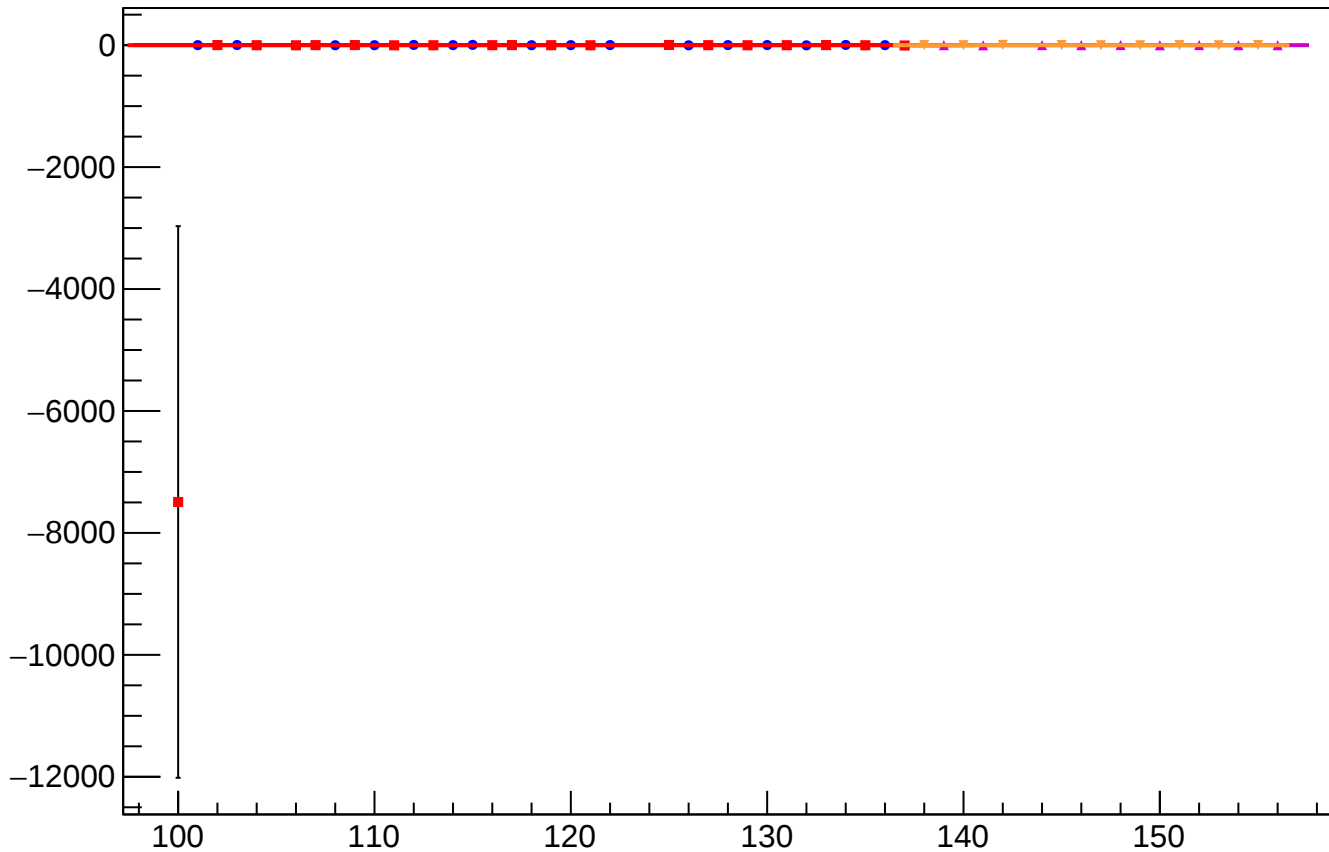
Right Out: 79.375 $\pm$ 0.021 χ^2 /NDF: 378794.5/18

Left In: 85.577 $\pm$ 0.022 χ^2 /NDF:311.9/8

80.294 $\pm$ 0.016 χ^2 /NDF: 498561.5/24

82.359 $\pm$ 0.015 χ^2 /NDF: 419318.2/27

asym_ds_dd_correction_mean vs Slug



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

Left Out: -0.232 ± 0.557 χ^2/NDF : 7.8/8

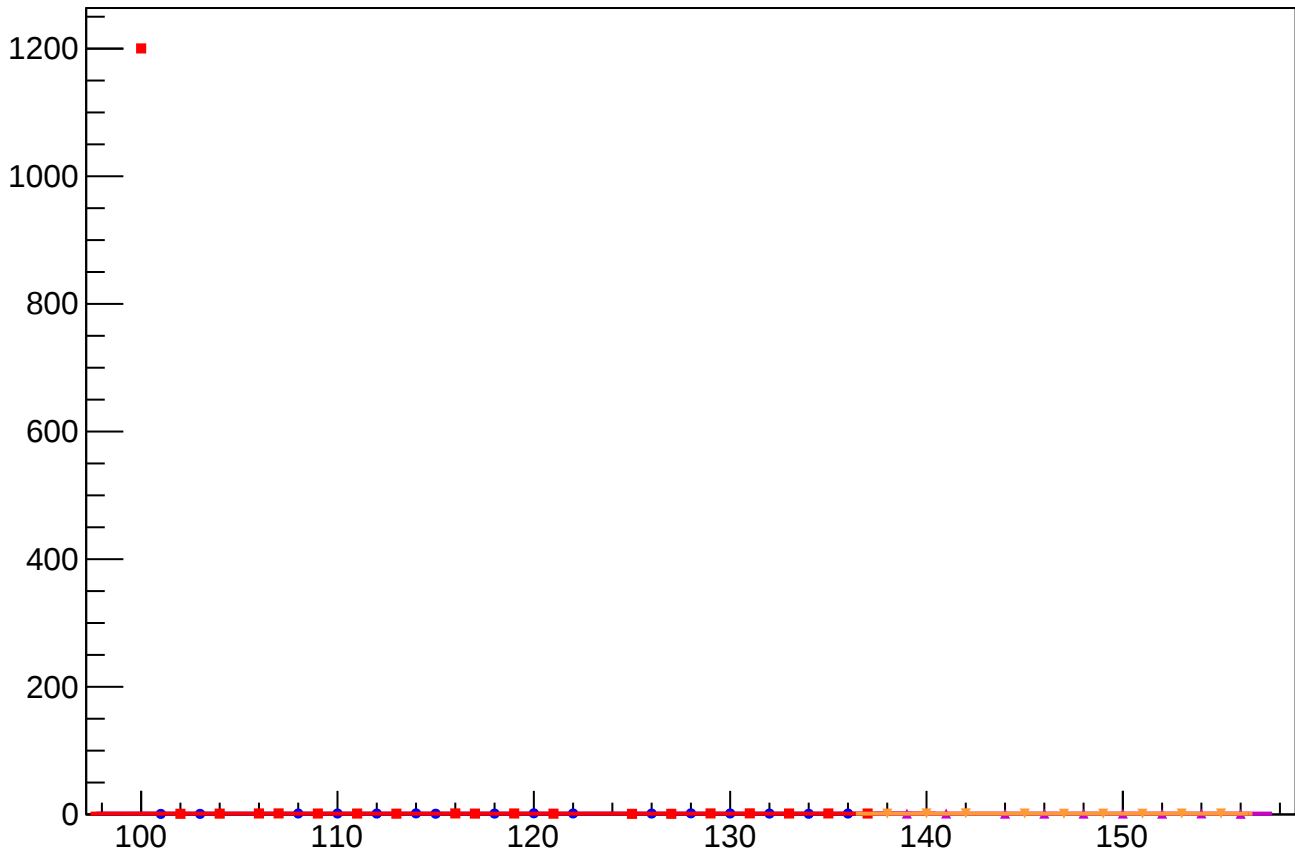
Right Out: -0.304 ± 0.547 χ^2/NDF : 12.6/18

Left In: -0.116 ± 0.542 χ^2/NDF : 4.9/8

0.365 ± 0.385 χ^2/NDF : 22.0/24

-0.209 ± 0.385 χ^2/NDF : 17.6/27

asym_ds_dd_correction_rms vs Slug



Right In: 1.238+/-0.000 χ^2/NDF : 657848.9/15

Left Out: 1.308+/-0.000 χ^2/NDF : 214110.3/8

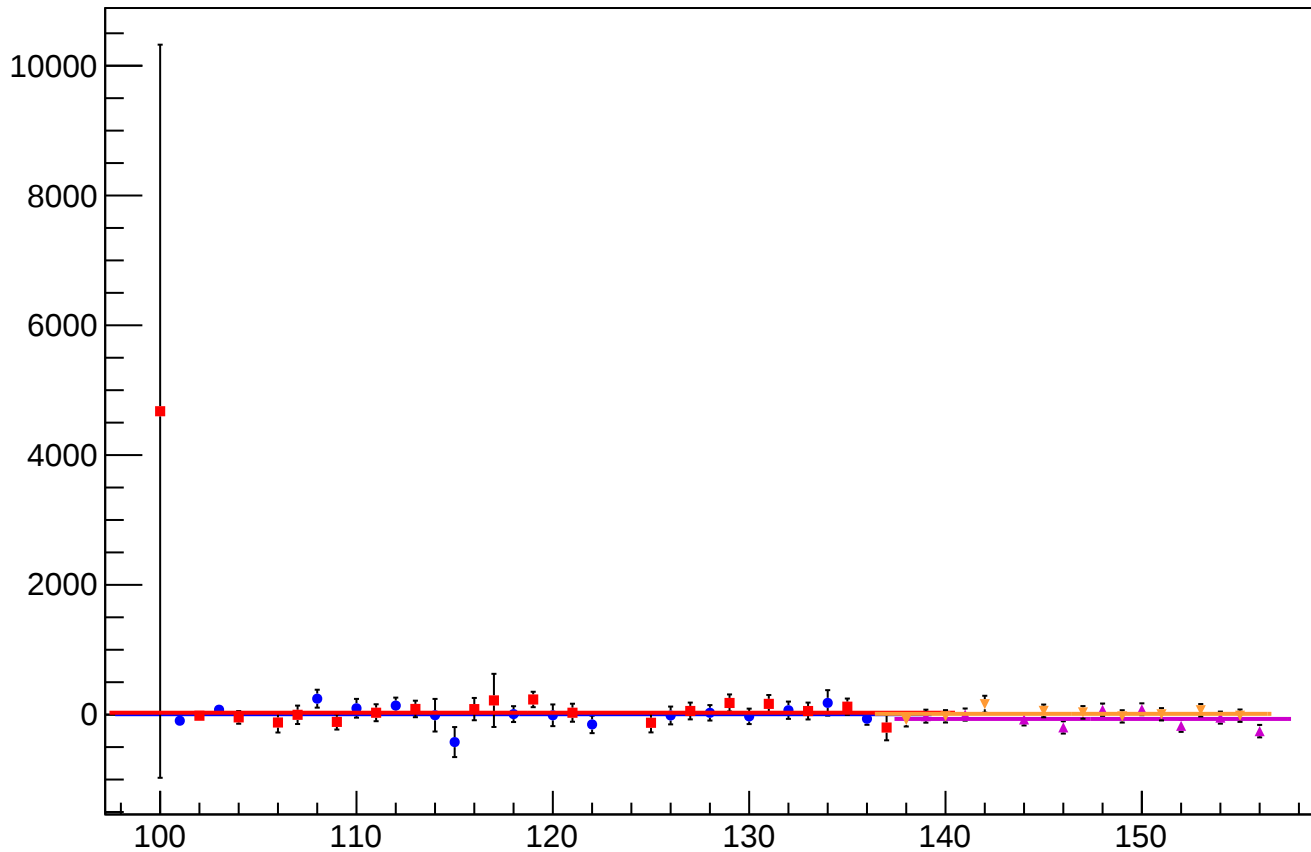
Right Out: 1.318+/-0.000 χ^2/NDF : 521623.7/18

Left In: 1.345+/-0.000 χ^2/NDF : 146698.5/8

1.271+/-0.000 χ^2/NDF : 888508.5/24

1.331+/-0.000 χ^2/NDF : 670832.0/27

asym_ds_dd_mean vs Slug



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

9.332 ± 22.181 χ^2/NDF : 17.1/24

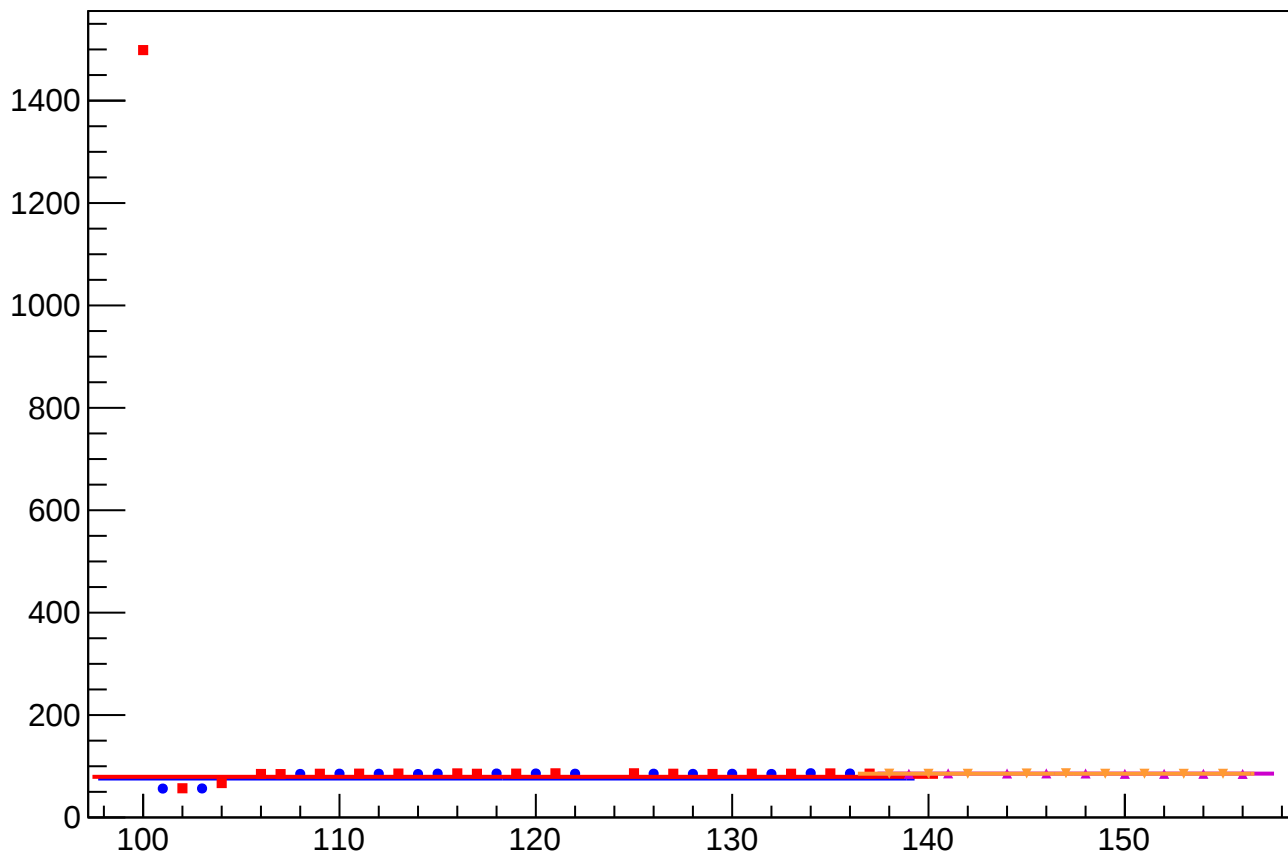
Left Out: 12.418 ± 32.976 χ^2/NDF : 3.3/8

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

-16.471 ± 21.862 χ^2/NDF : 30.2/27

Left In: -66.133 ± 31.514 χ^2/NDF : 12.6/8

asym_ds_dd_rms vs Slug



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

Left Out: 85.475+/-0.023 χ^2/NDF : 218.8/8

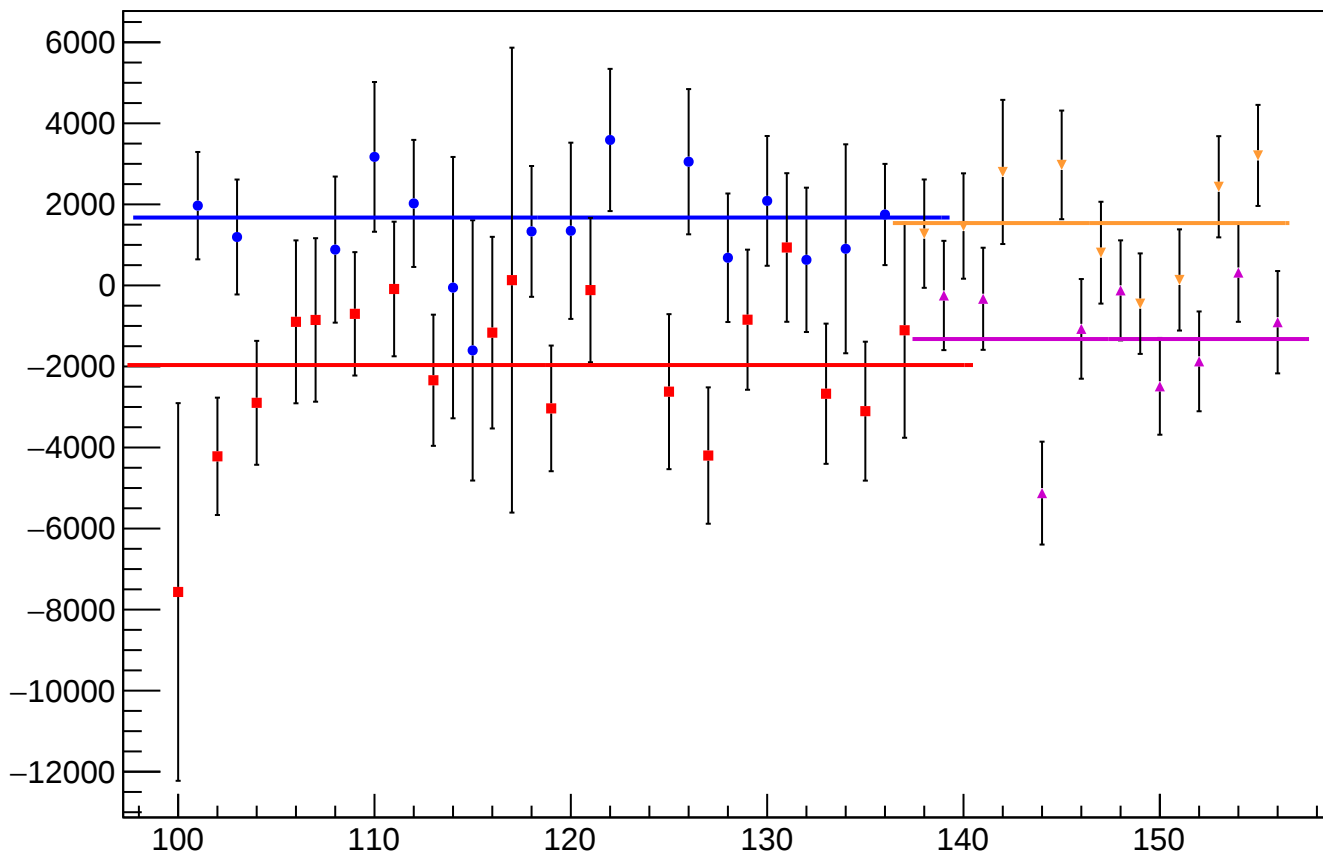
Right Out: 79.371+/-0.021 χ^2/NDF : 388057.0/18

Left In: 85.600+/-0.022 χ^2/NDF : 312.0/8

80.316+/-0.016 χ^2/NDF : 498591.2/24

82.369+/-0.015 χ^2/NDF : 428894.3/27

reg_asym_usl_mean vs Slug



Right In: 1674.993 ± 430.597 χ^2/NDF : 5.1/15

Left Out: 1538.708 ± 437.134 χ^2/NDF : 8.2/8

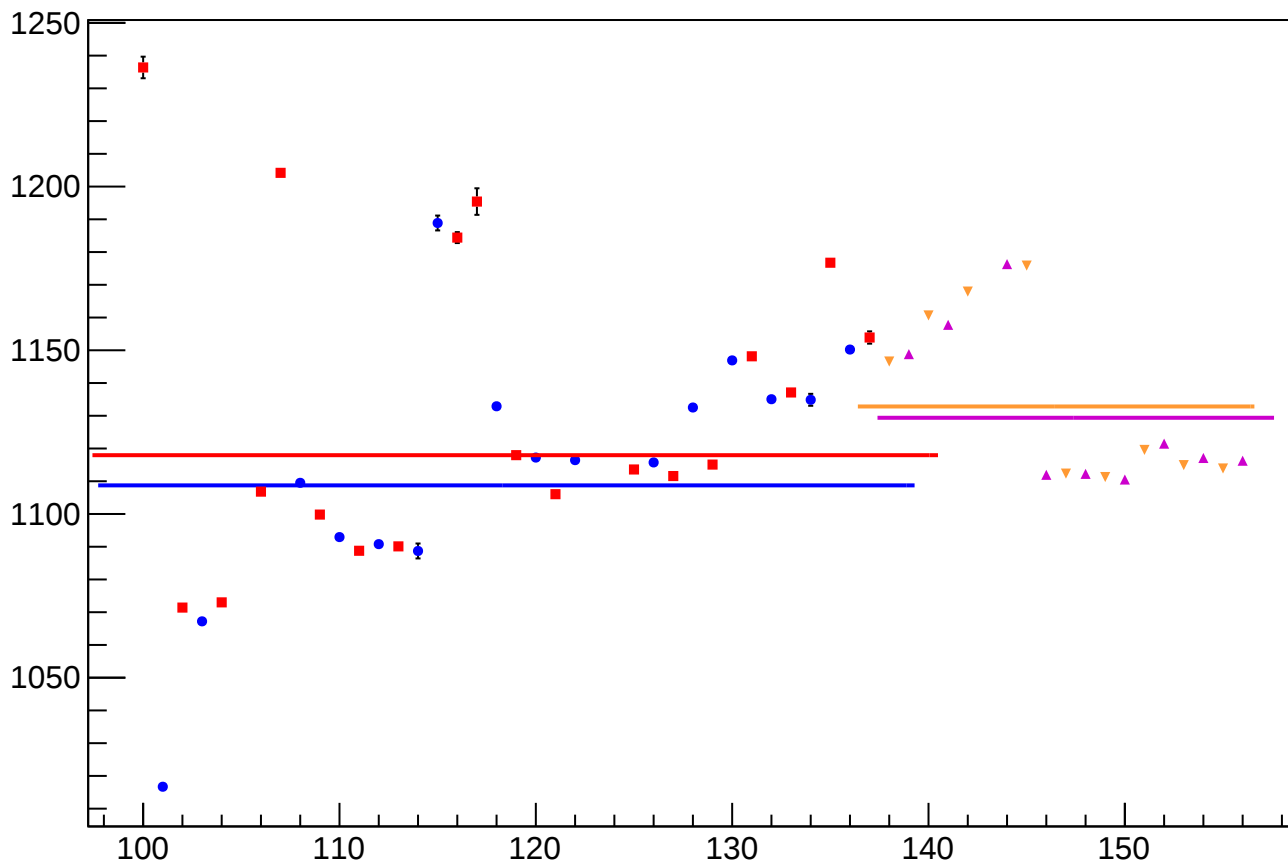
Right Out: -1964.936 ± 421.265 χ^2/NDF : 14.2/18

Left In: -1322.958 ± 415.860 χ^2/NDF : 14.3/8

1607.878 ± 306.763 χ^2/NDF : 13.4/24

-1639.803 ± 295.950 χ^2/NDF : 29.6/27

reg_asym_usl_rms vs Slug



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

Left Out: 1132.836 ± 0.309 χ^2/NDF : 6200.6/8

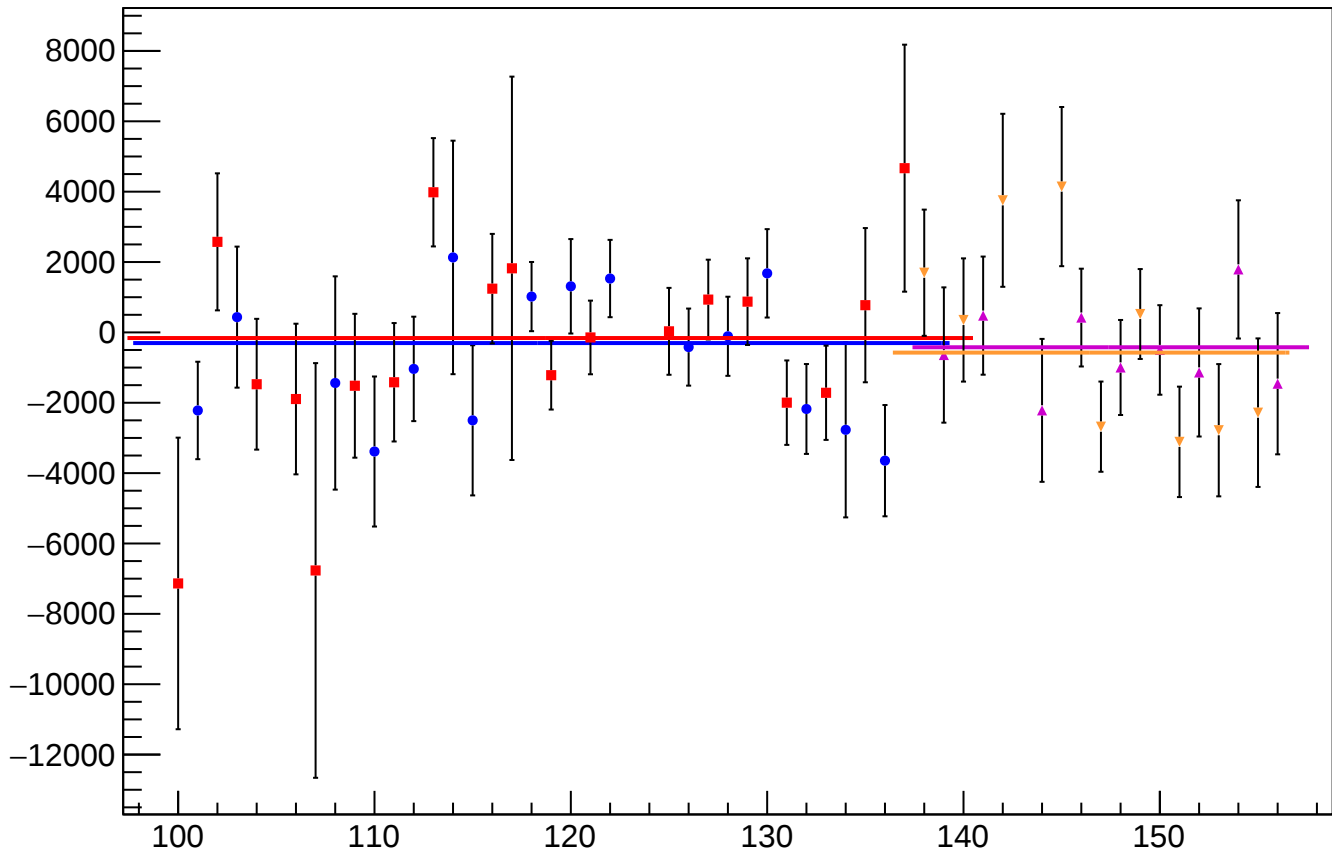
Right Out: 1117.959 ± 0.298 χ^2/NDF : 15881.8/18

Left In: 1129.385 ± 0.294 χ^2/NDF : 5952.1/8

1120.606 ± 0.217 χ^2/NDF : 27365.8/24

1123.746 ± 0.209 χ^2/NDF : 22579.1/27

asym_usl_correction_mean vs Slug



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

Left Out: -574.365 ± 565.059 $\chi^2/\text{NDF}: 17.4/8$

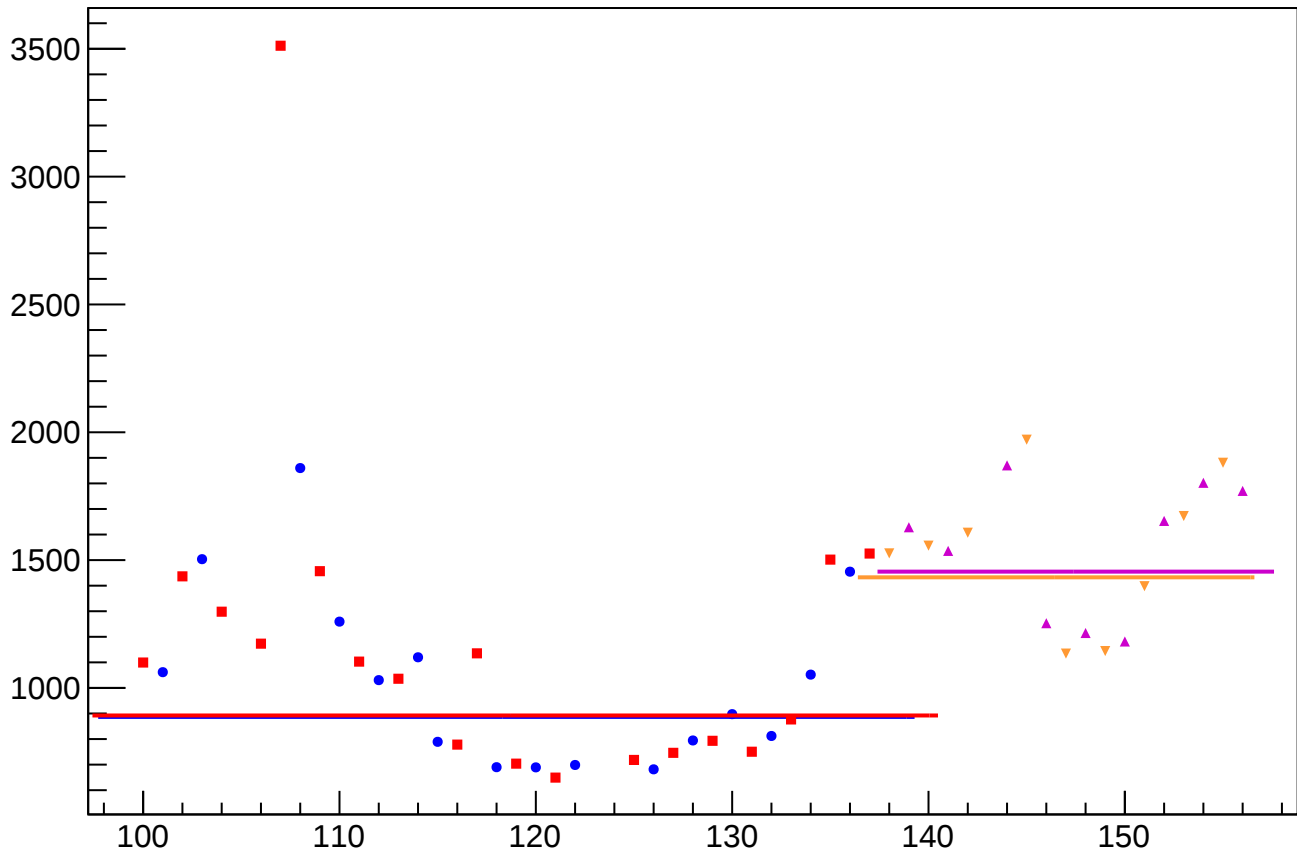
Right Out: -160.376 ± 355.478 $\chi^2/\text{NDF}: 25.0/18$

Left In: -422.743 ± 545.556 $\chi^2/\text{NDF}: 3.3/8$

-381.605 ± 303.658 $\chi^2/\text{NDF}: 39.9/24$

-238.570 ± 297.832 $\chi^2/\text{NDF}: 28.5/27$

asym_usl_correction_rms vs Slug



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

Left Out: 1432.606+/-0.400 χ^2/NDF : 472648.1/8

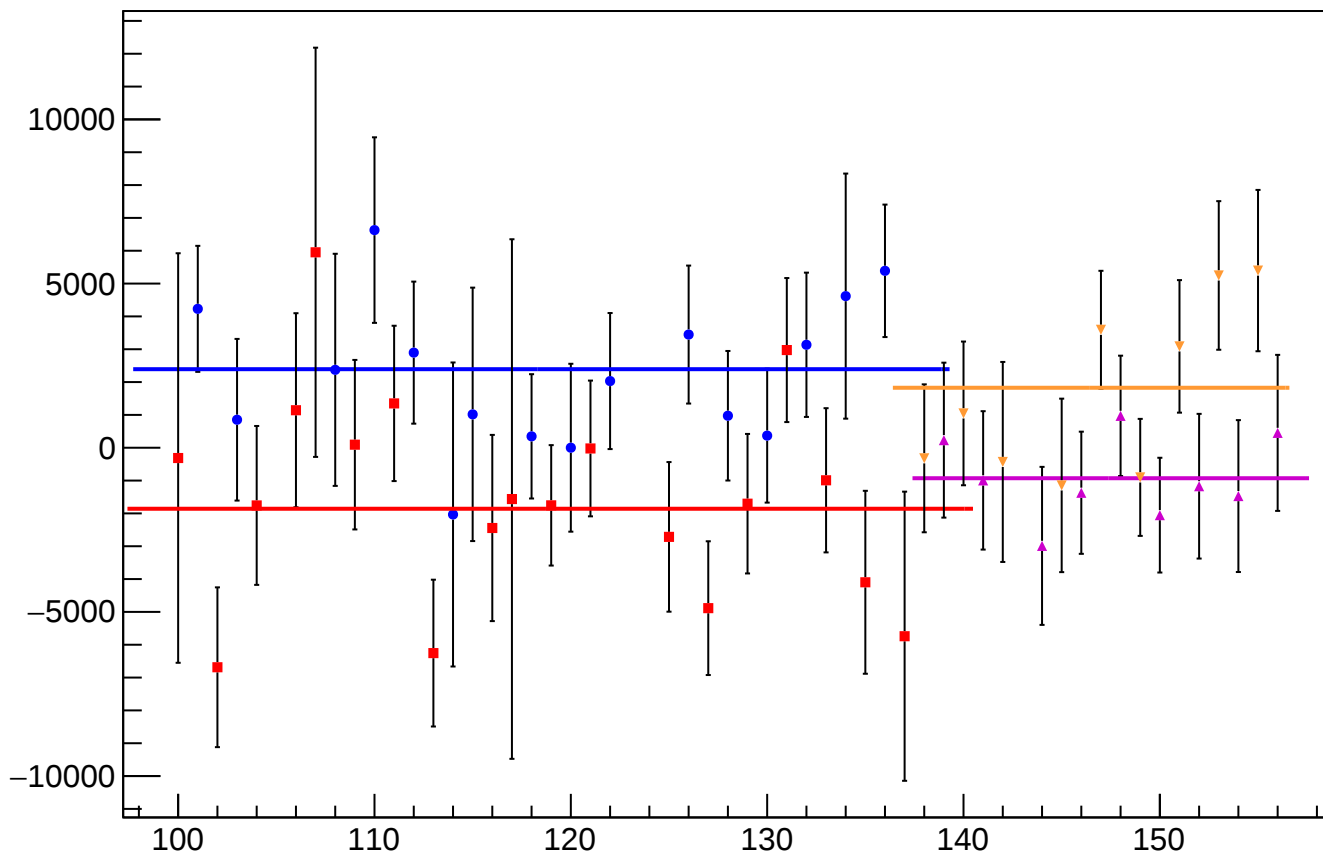
Right Out: 892.236+/-0.251 χ^2/NDF : 1418185.6/18

Left In: 1454.918+/-0.386 χ^2/NDF : 438004.7/8

1044.345+/-0.215 χ^2/NDF : 2861183.6/24

1059.933+/-0.211 χ^2/NDF : 3349652.0/27

asym_usl_mean vs Slug



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

Left Out: 1826.786 ± 727.753 χ^2/NDF : 11.0/8

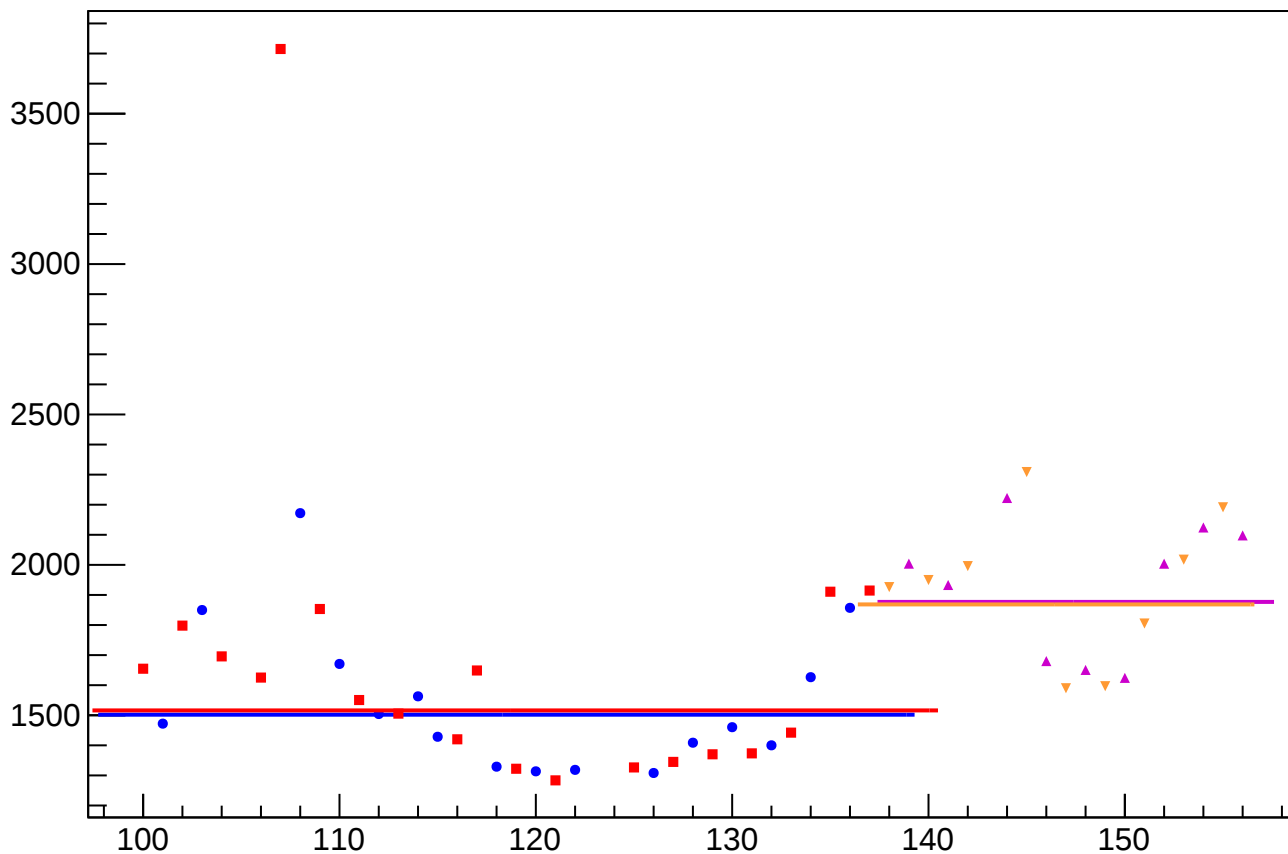
Right Out: -1858.263 ± 581.542 χ^2/NDF : 22.5/18

Left In: -928.680 ± 696.499 χ^2/NDF : 2.9/8

2168.535 ± 457.834 χ^2/NDF : 22.5/24

-1476.414 ± 446.398 χ^2/NDF : 26.5/27

asym_usl_rms vs Slug



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

Left Out: 1868.533 ± 0.515 χ^2/NDF : 202911.4/8

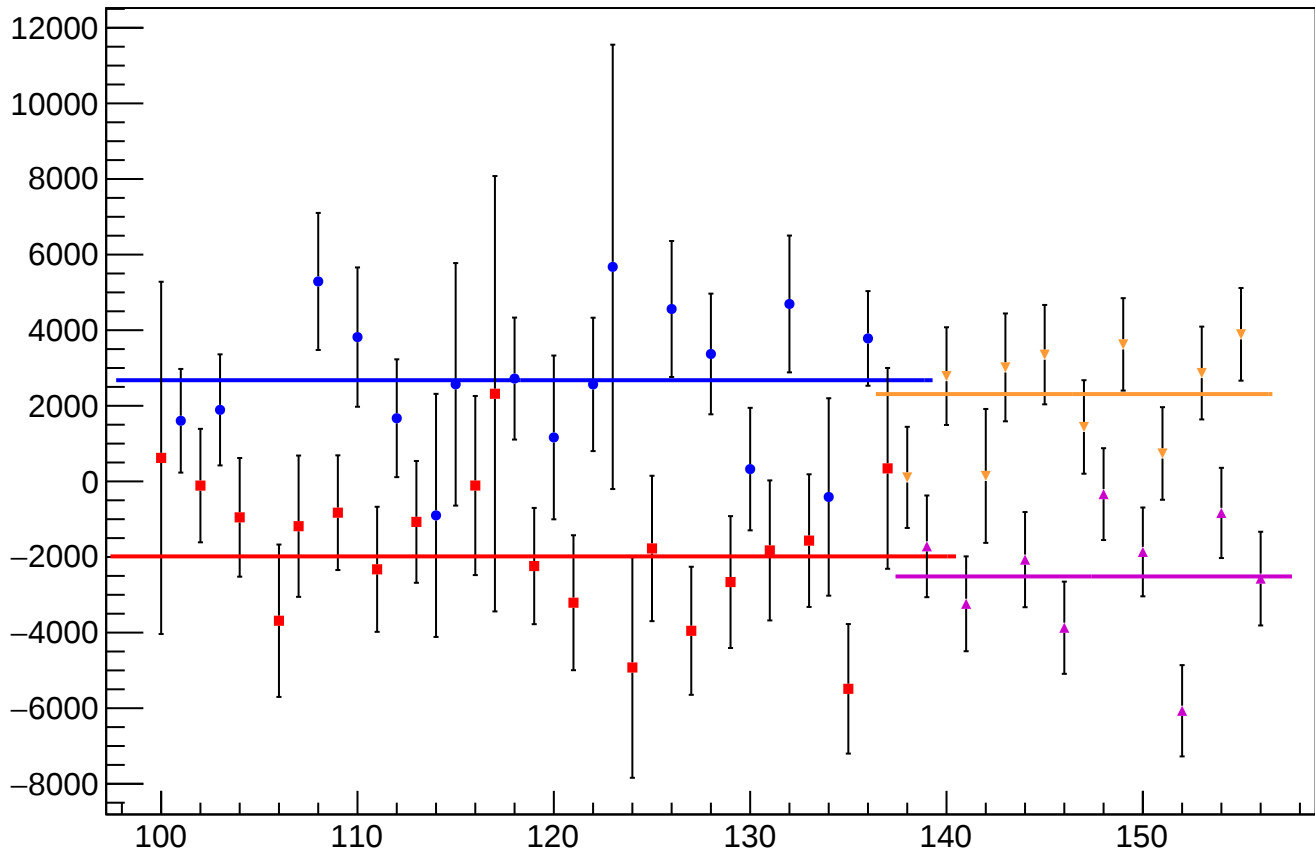
Right Out: 1516.127 ± 0.411 χ^2/NDF : 480325.9/18

Left In: 1876.856 ± 0.492 χ^2/NDF : 189866.3/8

1647.026 ± 0.324 χ^2/NDF : 764107.4/24

1664.305 ± 0.316 χ^2/NDF : 986299.5/27

reg_asym_usr_mean vs Slug



Right In: 2676.683+/-433.582 χ^2/NDF : 12.6/16

Left Out: 2309.866+/-412.953 χ^2/NDF : 10.4/9

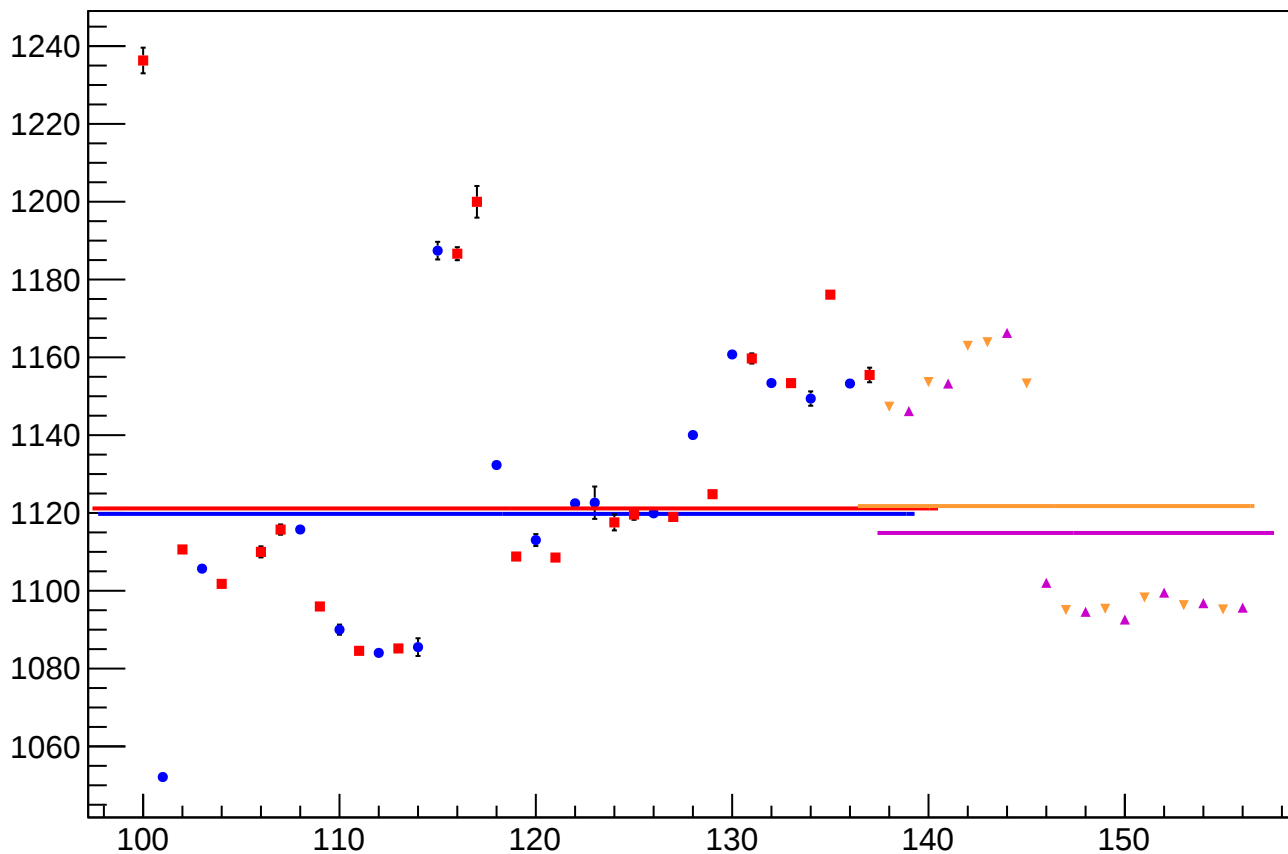
Right Out: -1983.779+/-418.059 χ^2/NDF : 13.4/19

Left In: -2514.415+/-410.555 χ^2/NDF : 16.2/8

2484.341+/-299.029 χ^2/NDF : 23.3/26

-2253.902+/-292.923 χ^2/NDF : 30.4/28

reg_asym_usr_rms vs Slug



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

Left Out: 1121.774 ± 0.292 χ^2/NDF : 10322.5/9

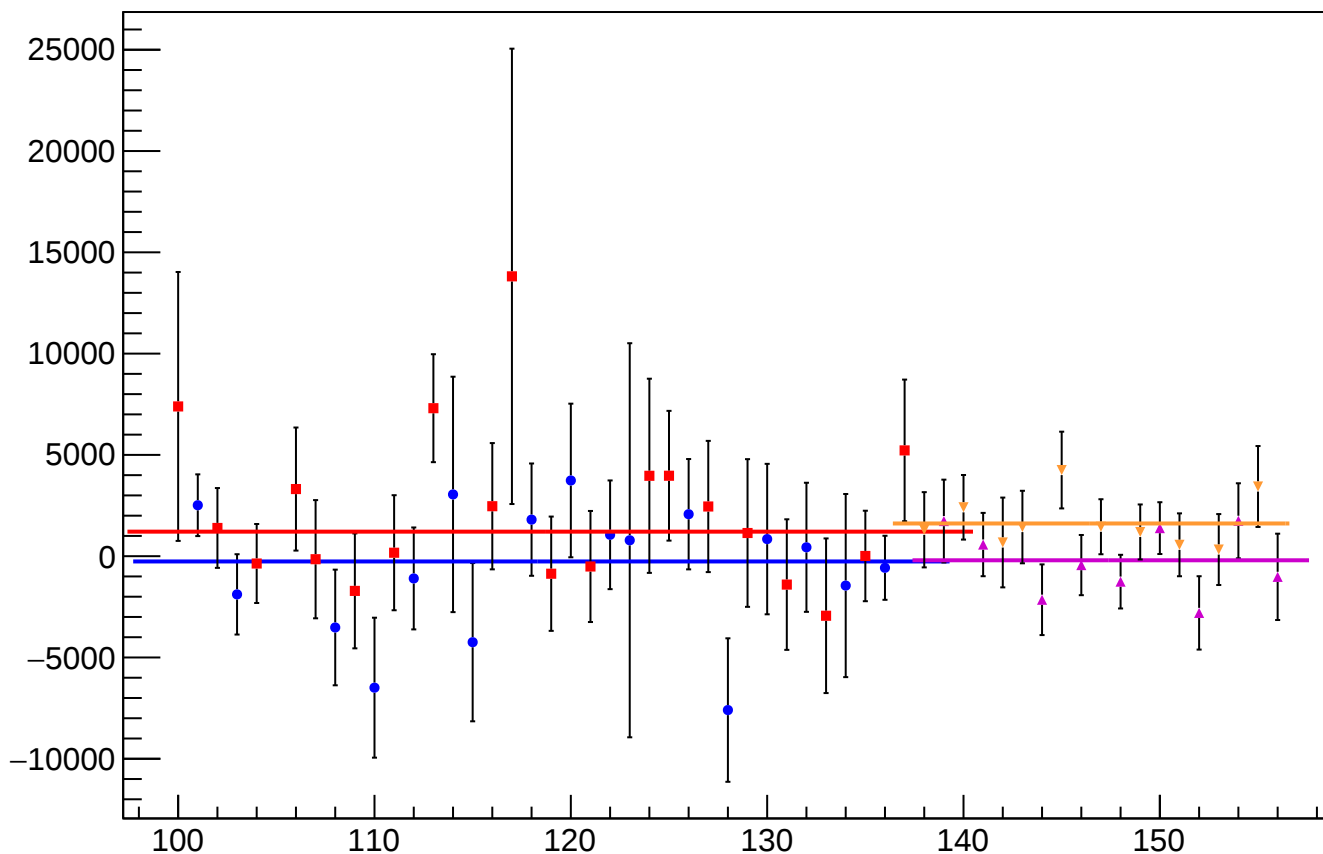
Right Out: 1121.164 ± 0.296 χ^2/NDF : 10310.8/19

Left In: 1114.862 ± 0.290 χ^2/NDF : 9050.3/8

1120.817 ± 0.211 χ^2/NDF : 22222.0/26

1117.956 ± 0.207 χ^2/NDF : 19592.4/28

asym_usr_correction_mean vs Slug



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

Left Out: 1614.741+/-530.418 χ^2/NDF : 4.4/9

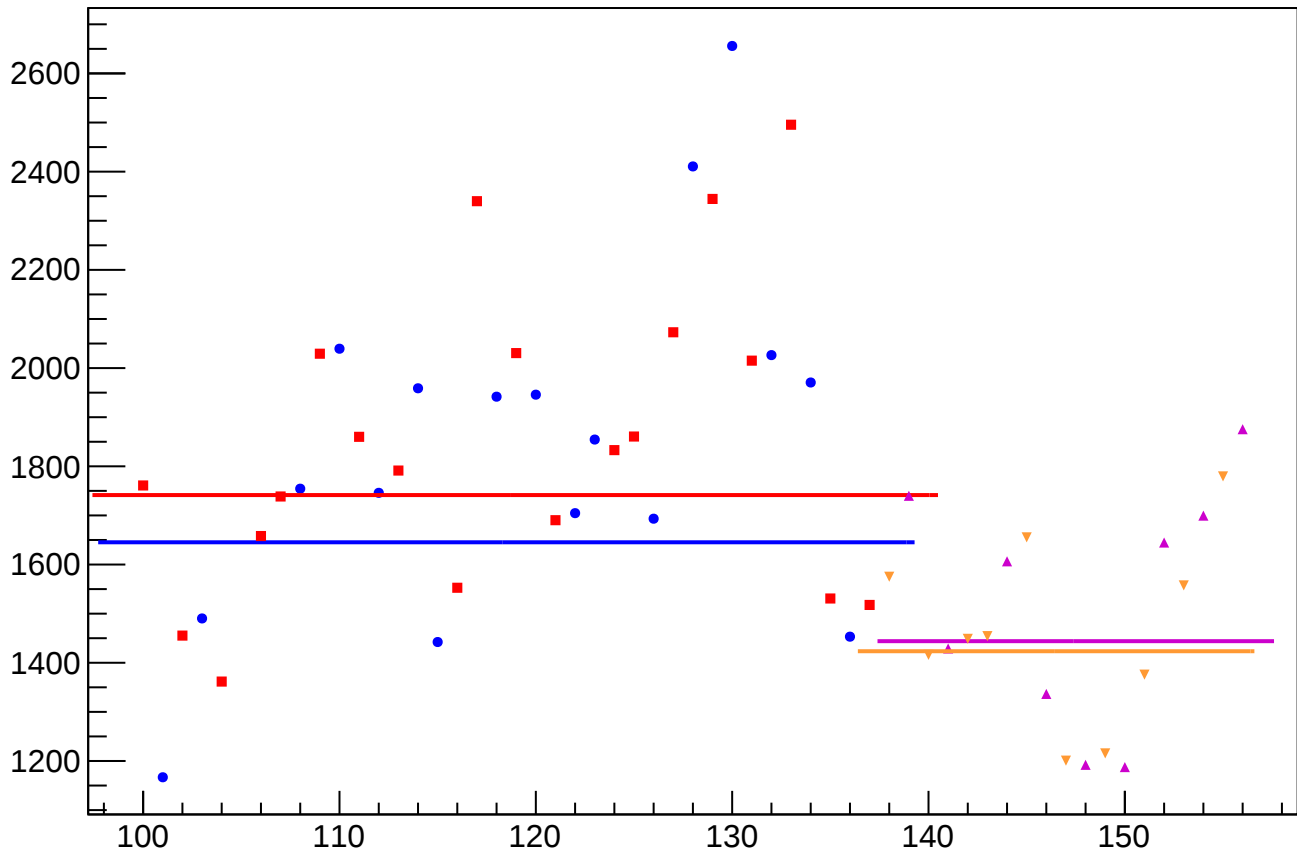
Right Out: 1211.378+/-661.281 χ^2/NDF : 15.7/19

Left In: -202.297+/-540.044 χ^2/NDF : 7.9/8

872.692+/-412.278 χ^2/NDF : 26.5/26

363.312+/-418.282 χ^2/NDF : 26.3/28

asym_usr_correction_rms vs Slug



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

Left Out: 1423.478+/-0.375 χ^2/NDF : 222074.8/9

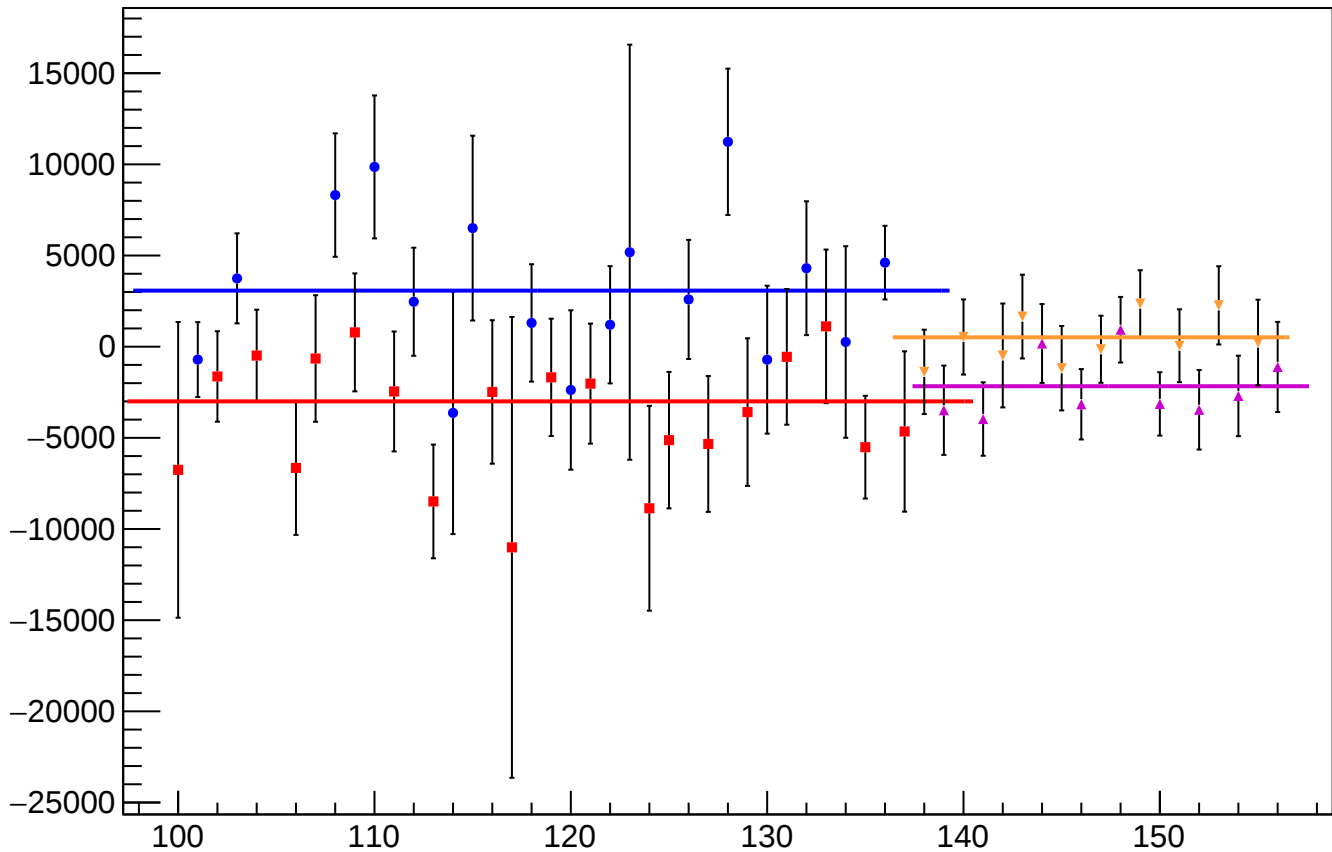
Right Out: 1741.460+/-0.468 χ^2/NDF : 376702.2/19

Left In: 1443.962+/-0.382 χ^2/NDF : 367380.1/8

1511.289+/-0.292 χ^2/NDF : 961461.8/26

1562.991+/-0.296 χ^2/NDF : 986915.6/28

asym_usr_mean vs Slug



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

Left Out: 513.286 ± 679.618 χ^2/NDF : 3.5/9

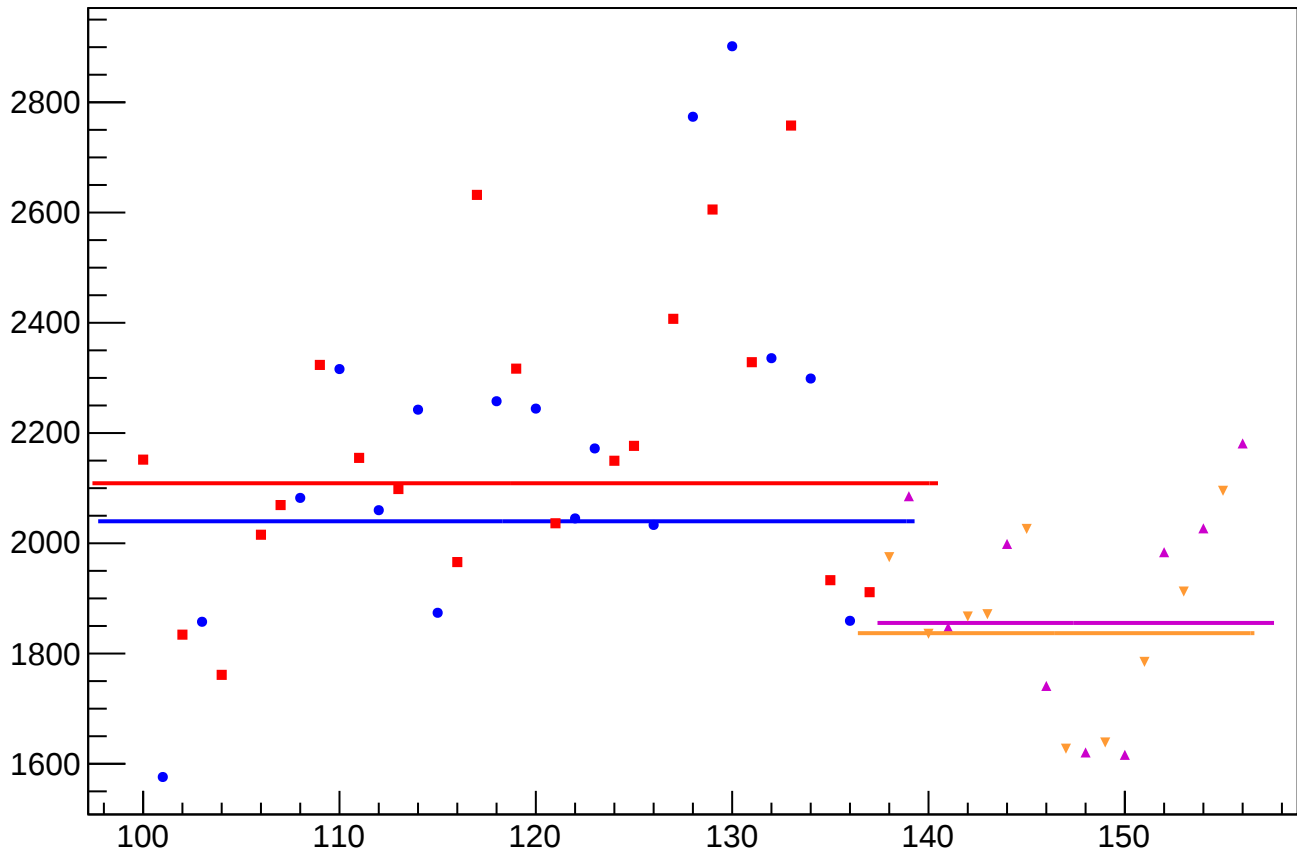
Right Out: -2999.277 ± 794.066 χ^2/NDF : 12.3/19

Left In: -2168.702 ± 687.735 χ^2/NDF : 6.4/8

1583.760 ± 518.559 χ^2/NDF : 28.0/26

-2524.694 ± 519.861 χ^2/NDF : 19.3/28

asym_usr_rms vs Slug



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

Left Out: 1836.973+/-0.481 χ^2/NDF : 98620.5/9

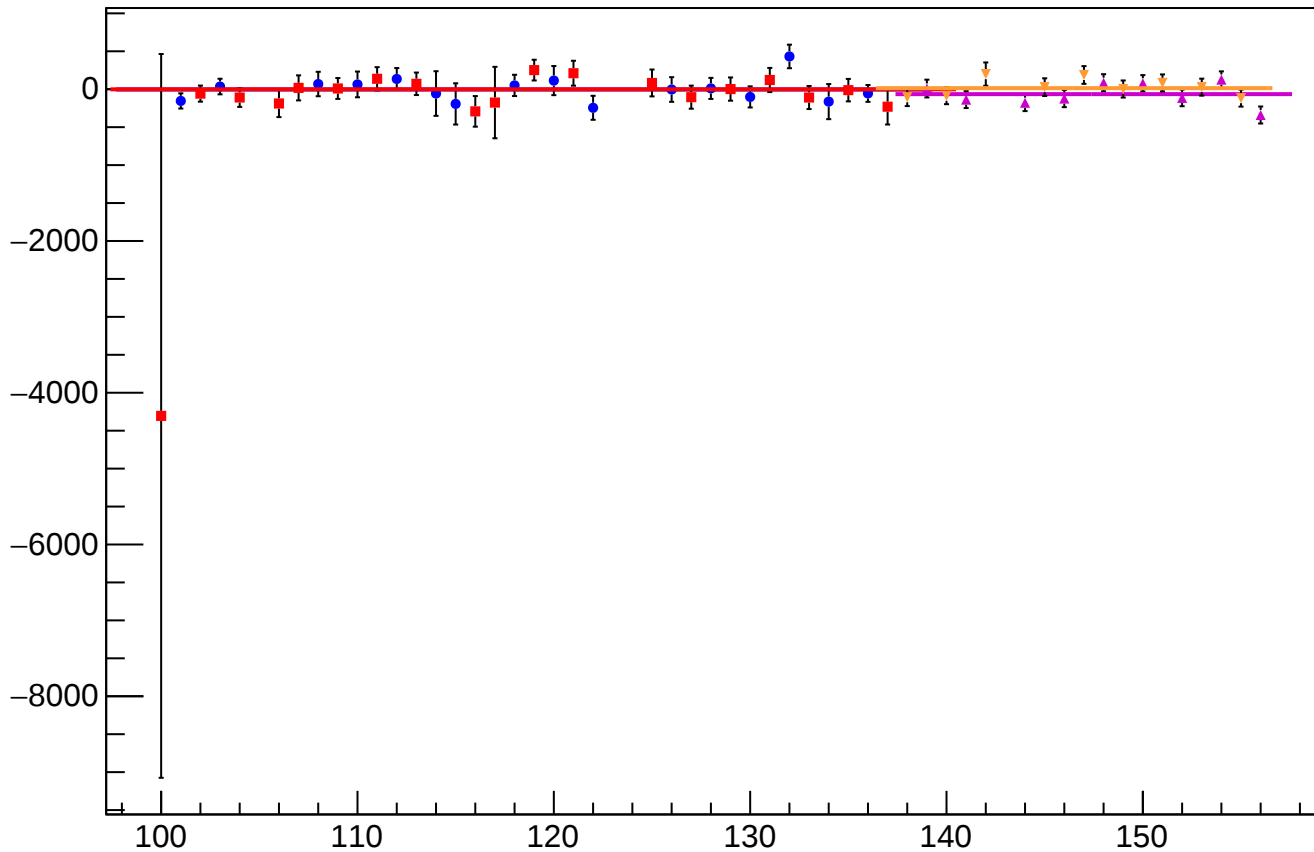
Right Out: 2108.906+/-0.561 χ^2/NDF : 198889.3/19

Left In: 1855.518+/-0.486 χ^2/NDF : 159114.4/8

1921.775+/-0.367 χ^2/NDF : 505135.2/26

1964.122+/-0.368 χ^2/NDF : 474368.4/28

reg_asym_dsl_mean vs Slug



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

Left Out: 13.994 ± 38.891 χ^2/NDF : 7.3/8

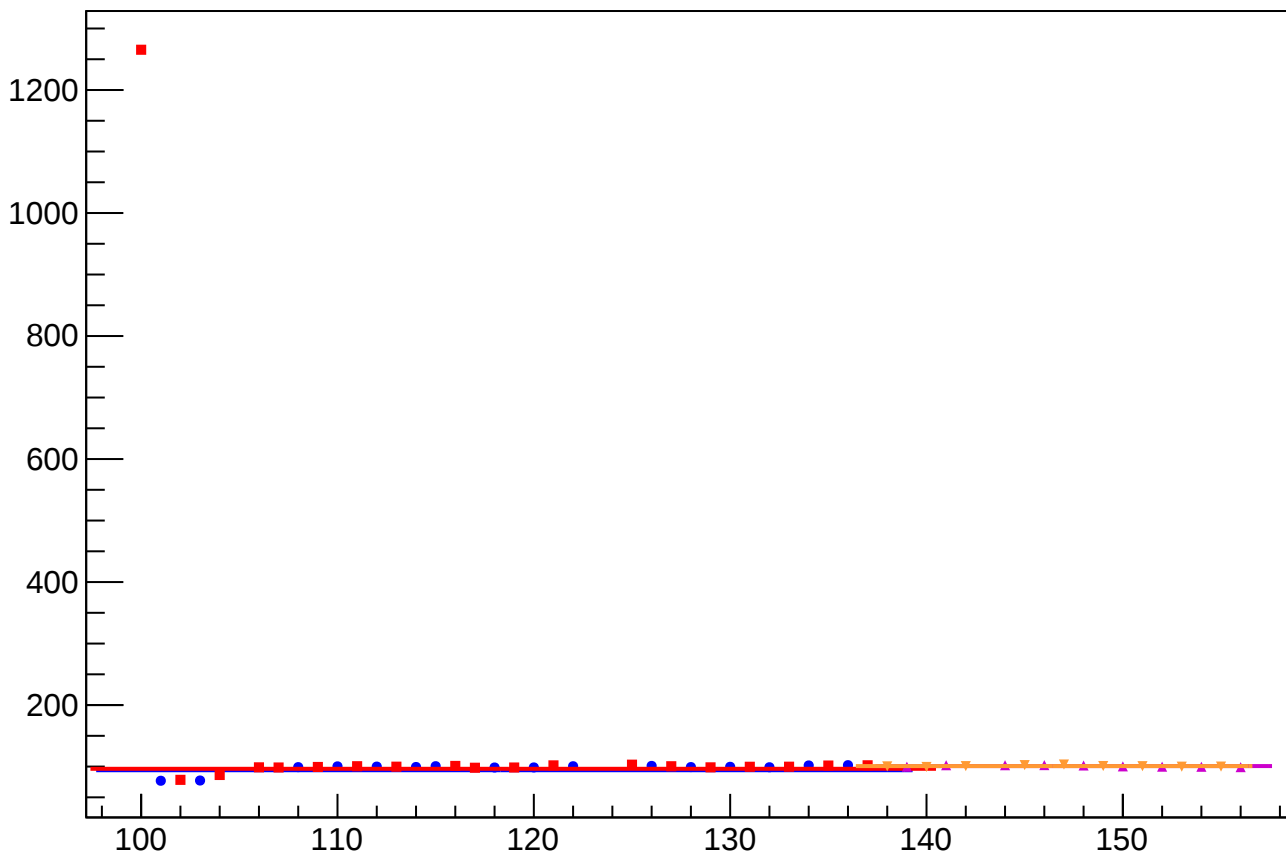
Right Out: -1.545 ± 36.588 χ^2/NDF : 14.1/18

Left In: -64.793 ± 37.122 χ^2/NDF : 15.0/8

4.859 ± 26.697 χ^2/NDF : 23.6/24

-32.711 ± 26.058 χ^2/NDF : 30.5/27

reg_asym_dsl_rms vs Slug



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

Left Out: 100.800+/-0.027 χ^2/NDF : 1920.2/8

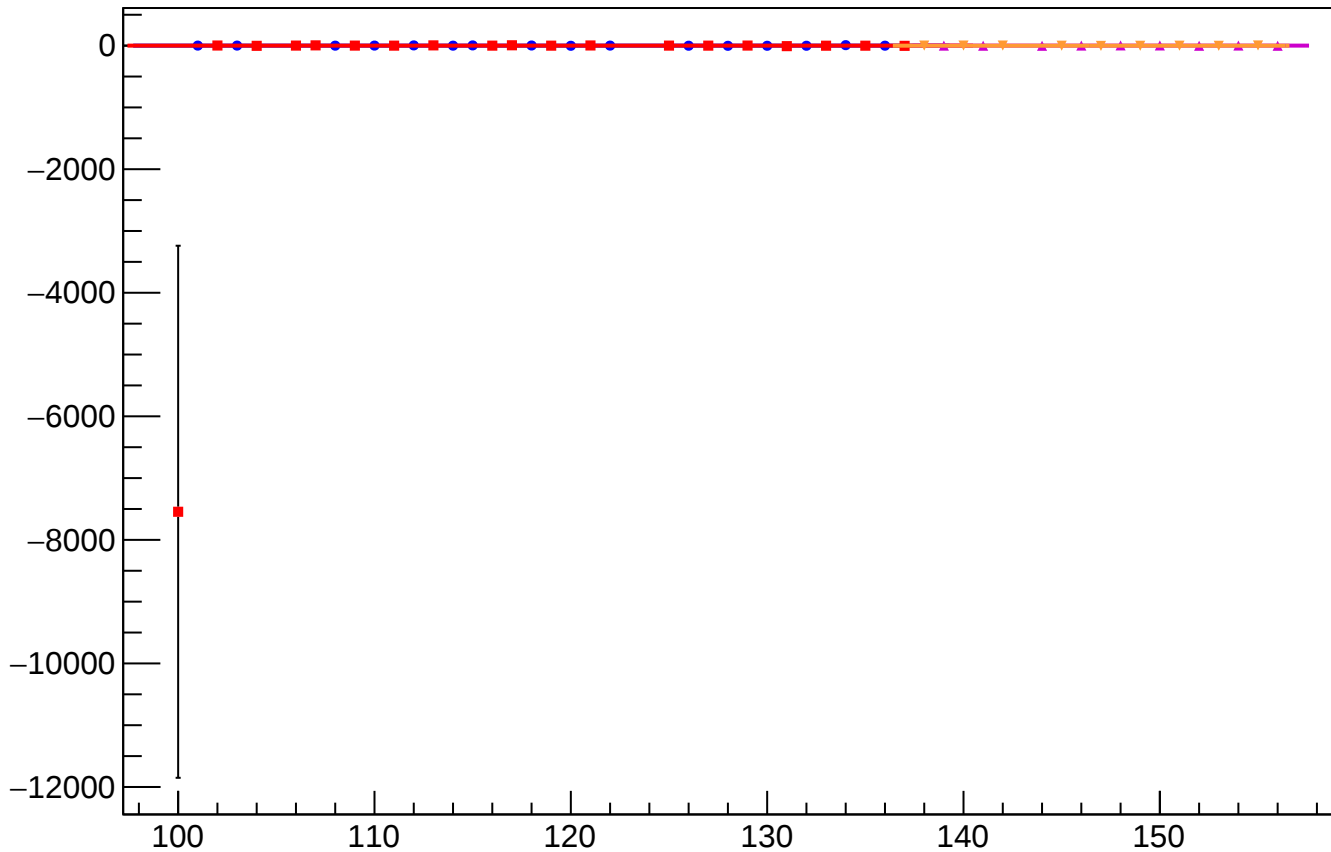
Right Out: 96.383+/-0.026 χ^2/NDF : 209255.3/18

Left In: 100.825+/-0.026 χ^2/NDF : 2180.0/8

97.240+/-0.019 χ^2/NDF : 185889.4/24

98.572+/-0.018 χ^2/NDF : 225964.9/27

asym_dsl_correction_mean vs Slug



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

Left Out: -0.440+/-0.664 χ^2/NDF : 10.8/8

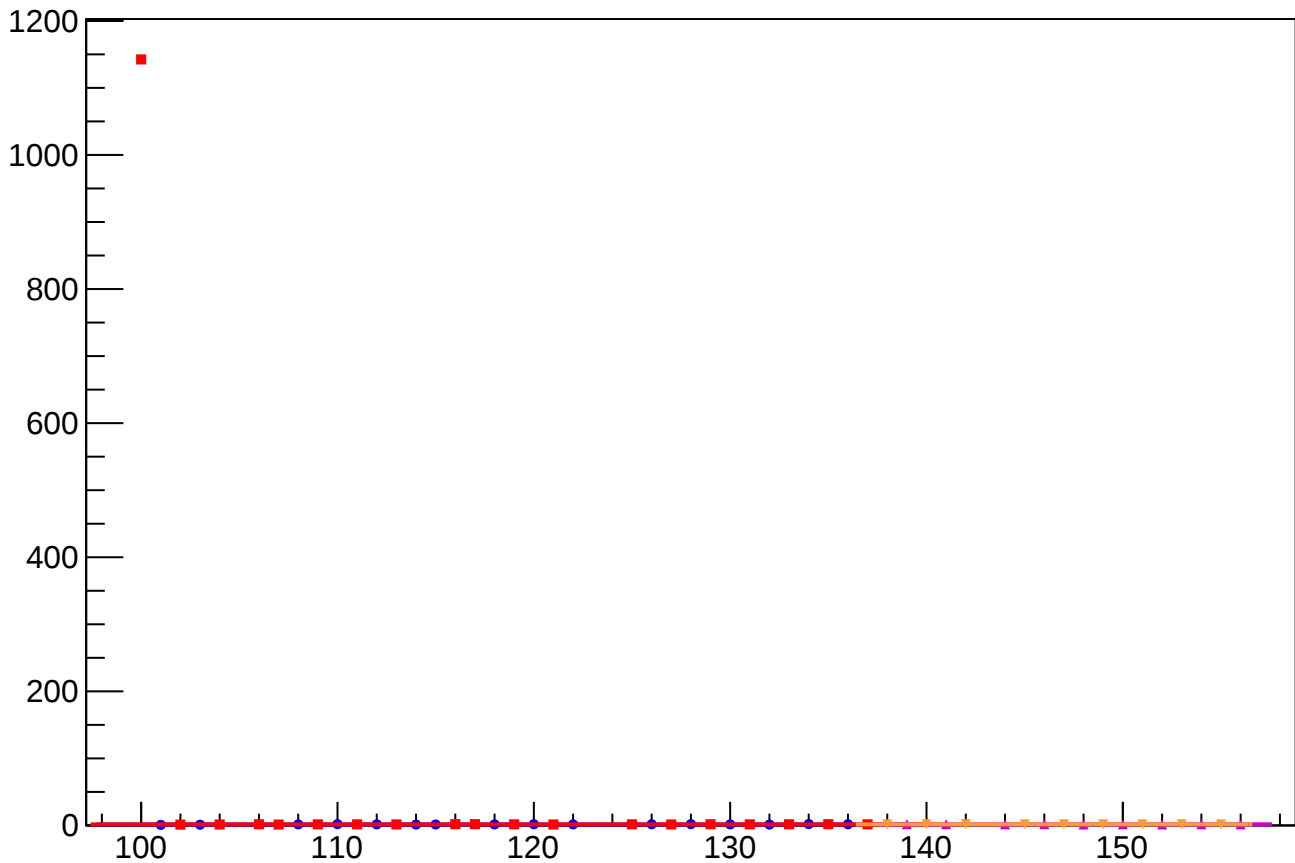
Right Out: 0.336+/-0.641 χ^2/NDF : 23.1/18

Left In: 0.553+/-0.667 χ^2/NDF : 11.0/8

0.026+/-0.452 χ^2/NDF : 21.4/24

0.440+/-0.462 χ^2/NDF : 34.1/27

asym_dsl_correction_rms vs Slug



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

Left Out: 1.582+/-0.000 χ^2/NDF : 42387.9/8

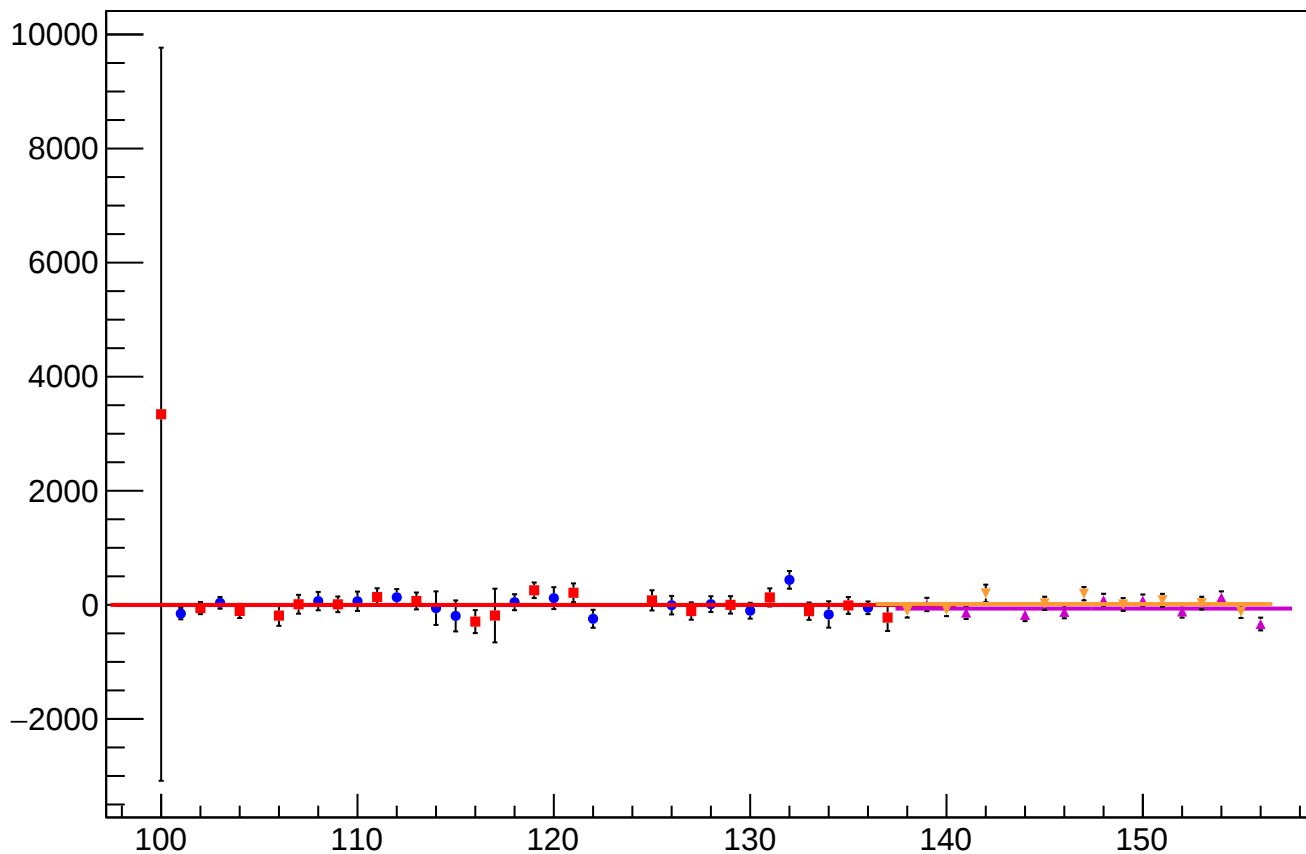
Right Out: 1.557+/-0.000 χ^2/NDF : 318750.9/18

Left In: 1.681+/-0.000 χ^2/NDF : 75697.7/8

1.495+/-0.000 χ^2/NDF : 837812.1/24

1.617+/-0.000 χ^2/NDF : 430078.7/27

asym_dsl_mean vs Slug



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

Left Out: 14.939 ± 38.901 χ^2/NDF : 7.6/8

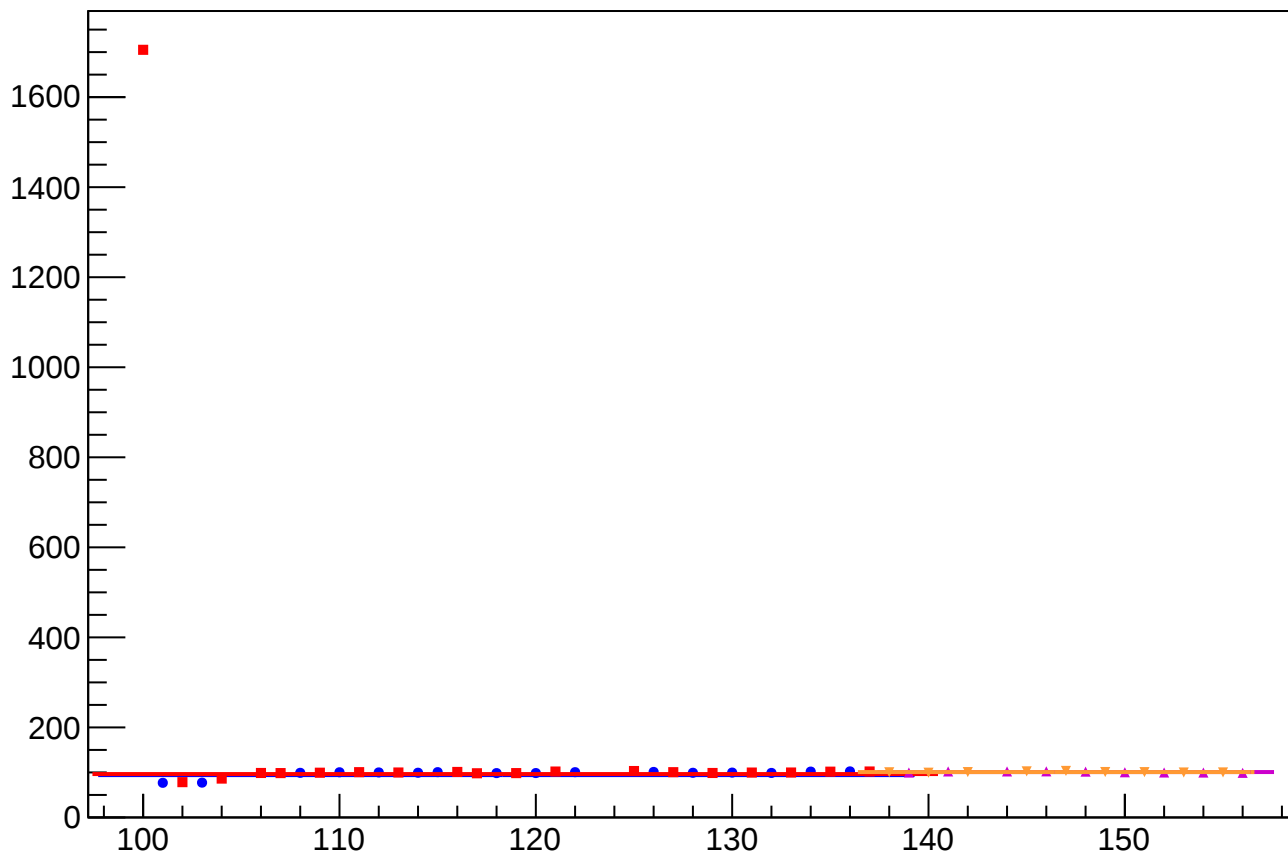
Right Out: -1.300 ± 36.598 χ^2/NDF : 13.7/18

Left In: -65.055 ± 37.131 χ^2/NDF : 14.6/8

5.401 ± 26.704 χ^2/NDF : 24.0/24

-32.716 ± 26.065 χ^2/NDF : 29.8/27

asym_dsl_rms vs Slug



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

Left Out: 100.826+/-0.028 χ^2/NDF : 1919.5/8

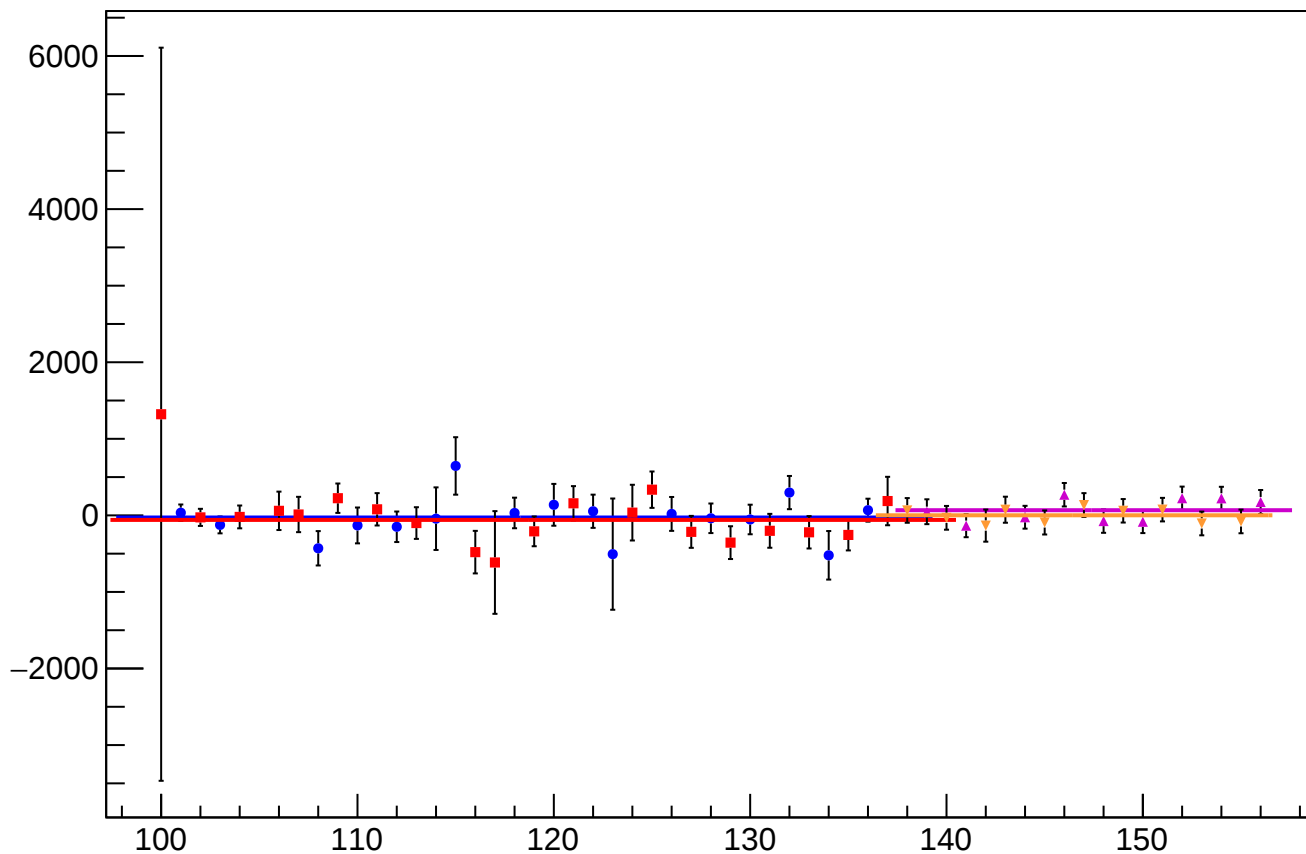
Right Out: 96.391+/-0.026 χ^2/NDF : 214389.8/18

Left In: 100.852+/-0.026 χ^2/NDF : 2179.5/8

97.265+/-0.019 χ^2/NDF : 185907.4/24

98.590+/-0.018 χ^2/NDF : 231210.4/27

reg_asym_dsr_mean vs Slug



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

Left Out: 1.155 ± 50.796 χ^2/NDF : 3.0/9

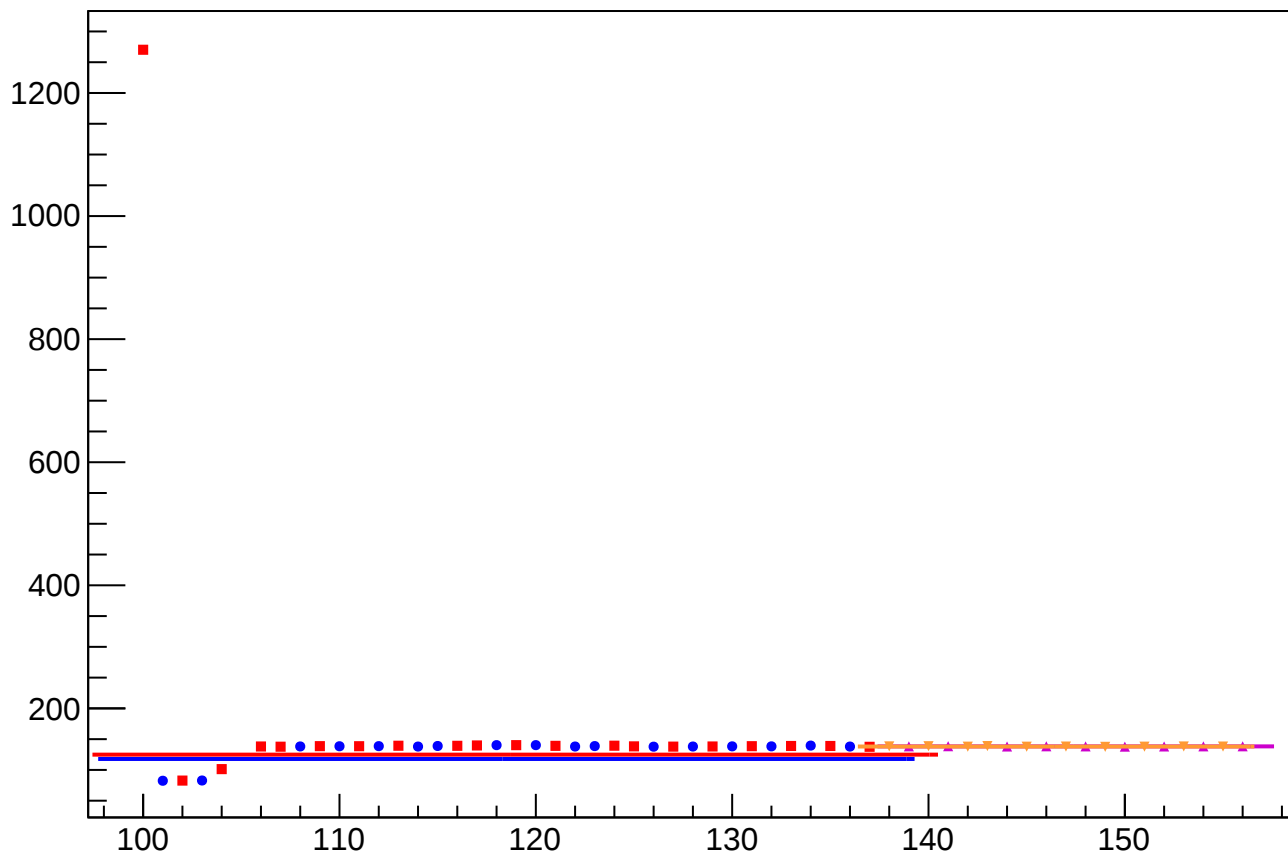
Right Out: -59.211 ± 47.588 χ^2/NDF : 15.6/19

Left In: 67.532 ± 50.903 χ^2/NDF : 8.4/8

-14.535 ± 34.409 χ^2/NDF : 17.5/26

-0.101 ± 34.763 χ^2/NDF : 27.3/28

reg_asym_dsr_rms vs Slug



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

Left Out: 138.032 ± 0.036 χ^2/NDF : 98.5/9

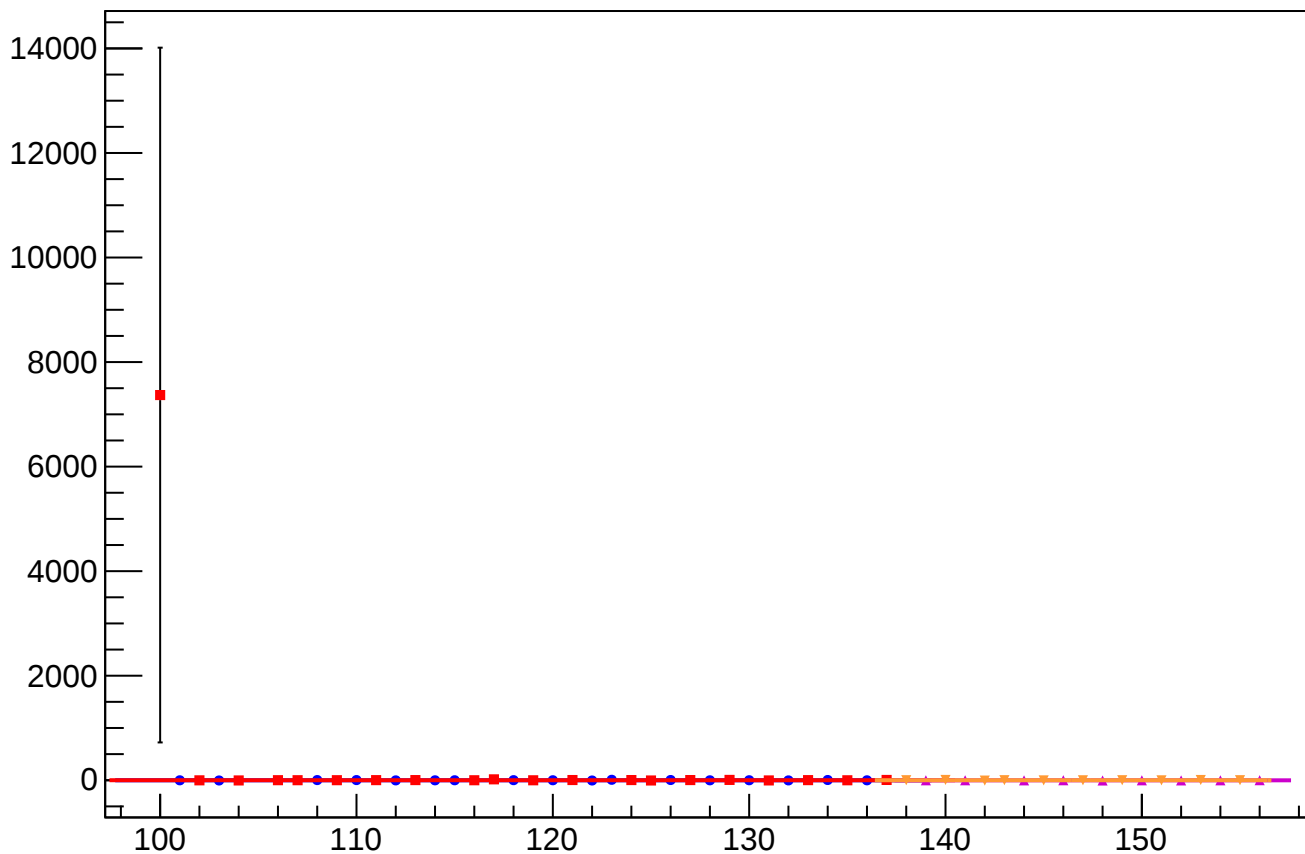
Right Out: 124.839 ± 0.034 χ^2/NDF : 570766.0/19

Left In: 138.262 ± 0.036 χ^2/NDF : 30.2/8

127.092 ± 0.024 χ^2/NDF : 838117.9/26

131.099 ± 0.025 χ^2/NDF : 645008.3/28

asym_dsr_correction_mean vs Slug



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

Left Out: 0.513+/-0.856 χ^2/NDF : 11.8/9

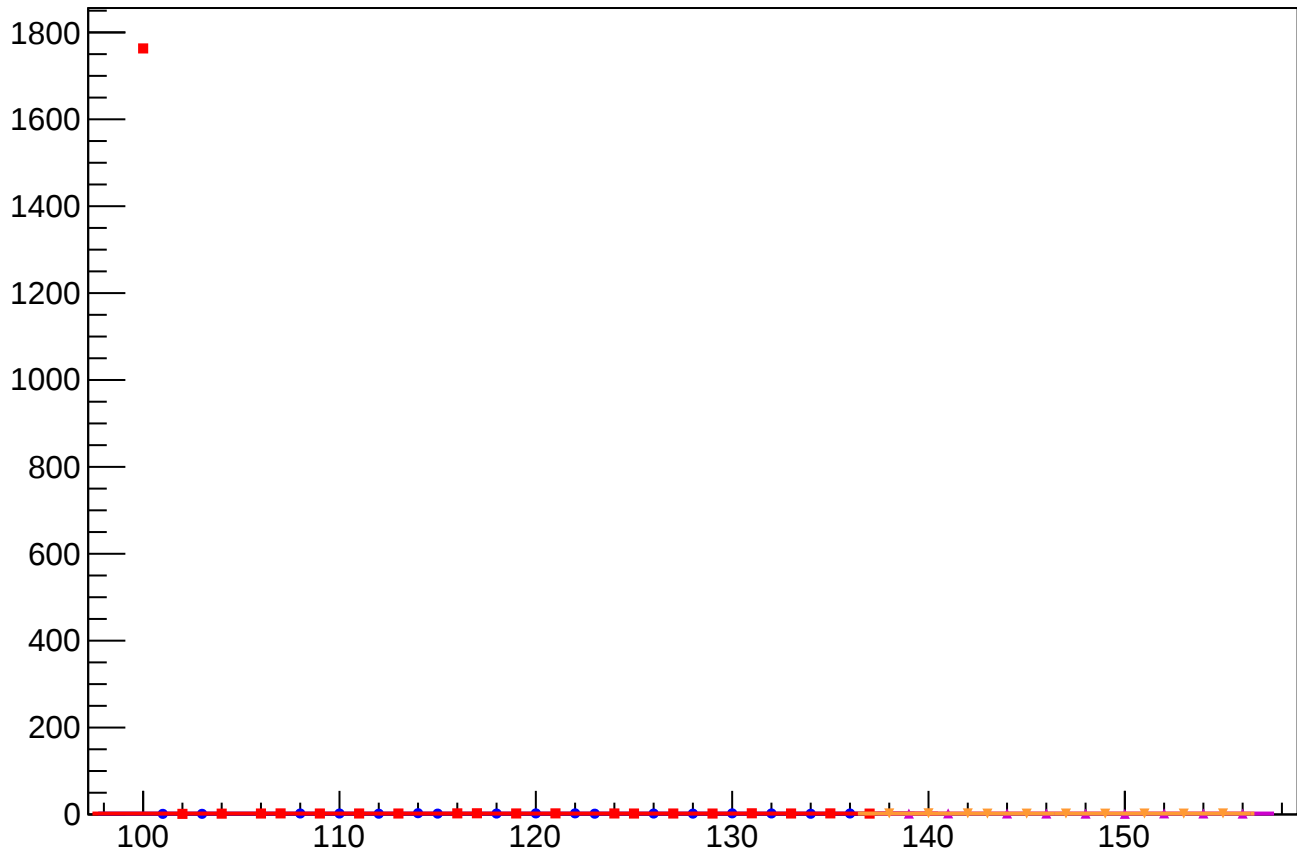
Right Out: 0.719+/-0.849 χ^2/NDF : 15.3/19

Left In: -1.184+/-0.856 χ^2/NDF : 3.5/8

-0.125+/-0.588 χ^2/NDF : 25.5/26

-0.225+/-0.603 χ^2/NDF : 21.3/28

asym_dsr_correction_rms vs Slug



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

Left Out: 2.116 $\pm$ 0.001 χ^2 /NDF: 153218.5/9

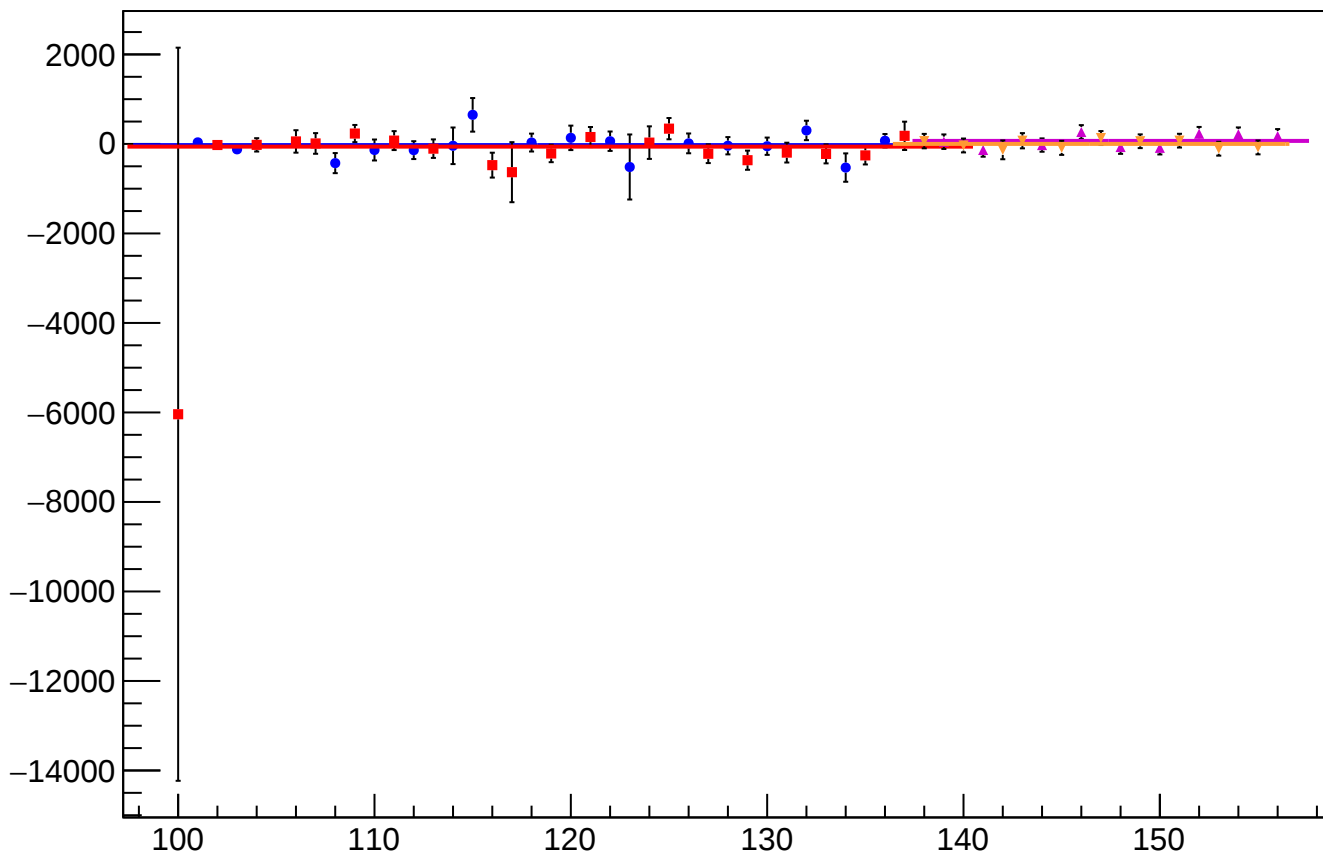
Right Out: 2.068 $\pm$ 0.001 χ^2 /NDF: 530286.7/19

Left In: 2.080 $\pm$ 0.001 χ^2 /NDF: 259363.7/8

1.986 $\pm$ 0.000 χ^2 /NDF: 734116.9/26

2.074 $\pm$ 0.000 χ^2 /NDF: 789839.4/28

asym_dsr_mean vs Slug



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

Left Out: 0.587 $\pm$ 50.809 χ^2 /NDF: 2.9/9

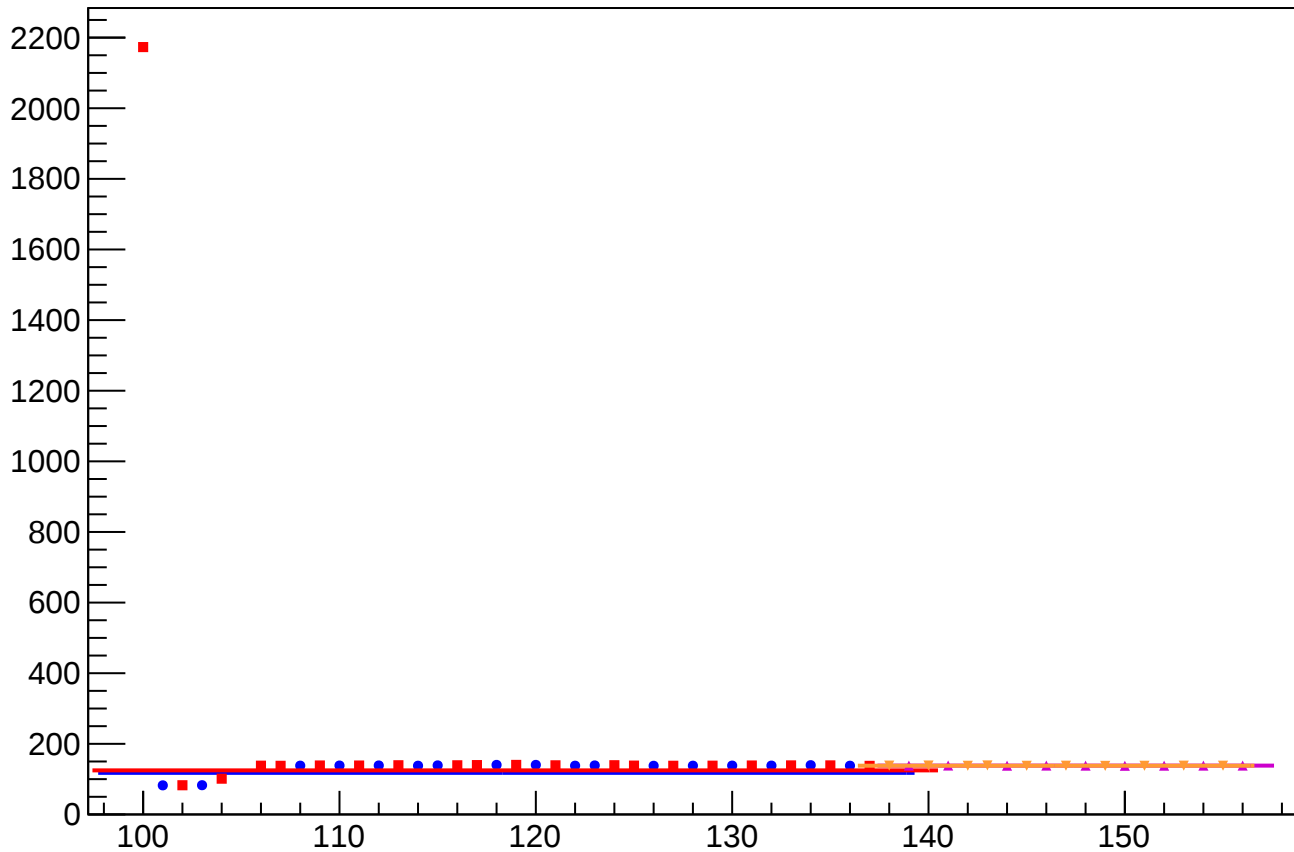
Right Out: -60.159 $\pm$ 47.602 χ^2 /NDF: 16.2/19

Left In: 67.608 $\pm$ 50.917 χ^2 /NDF: 8.4/8

-13.939 $\pm$ 34.419 χ^2 /NDF: 17.4/26

-0.569 $\pm$ 34.773 χ^2 /NDF: 28.0/28

asym_dsr_rms vs Slug



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

Left Out: 138.068 $\pm$ 0.036 χ^2 /NDF: 98.5/9

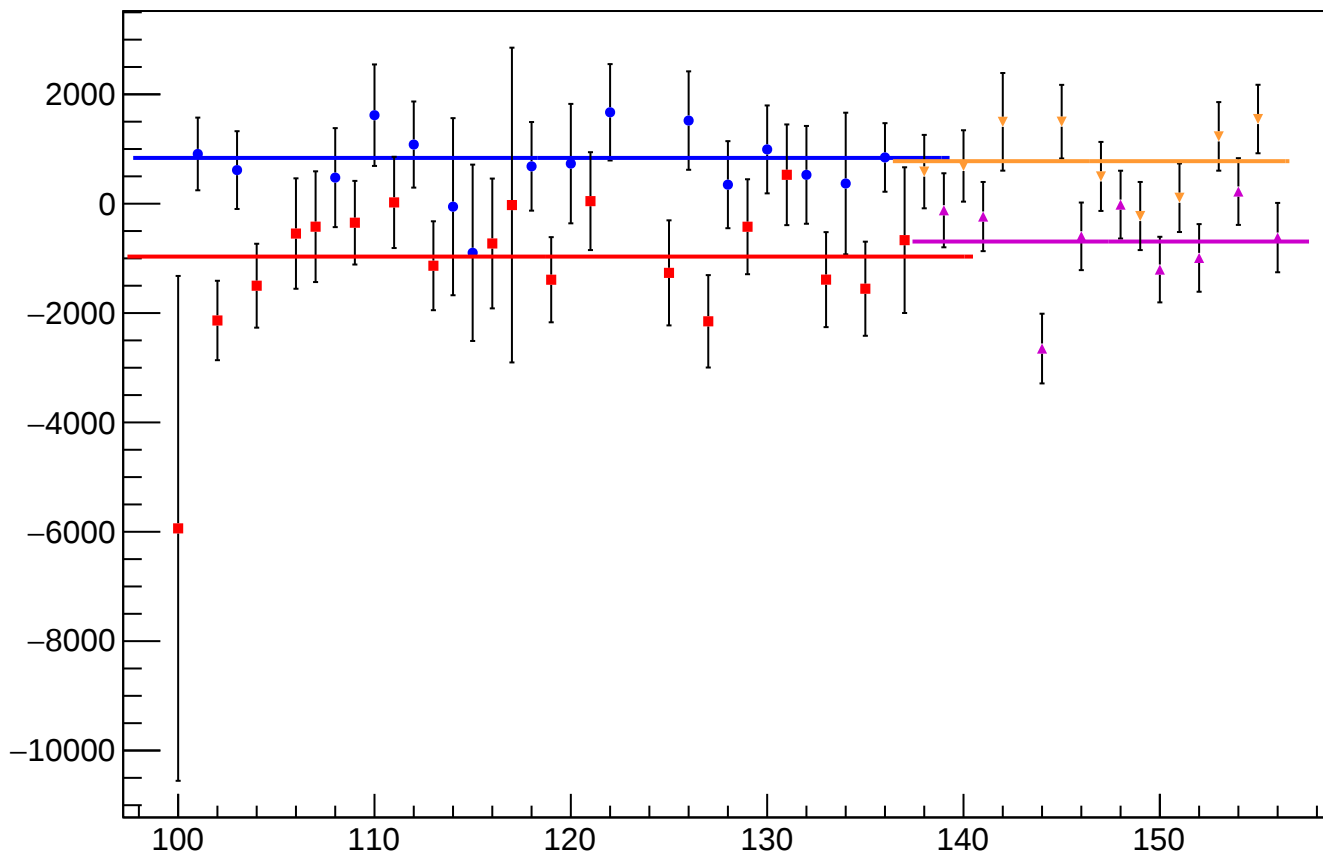
127.126 $\pm$ 0.024 χ^2 /NDF: 838137.6/26

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

131.111 $\pm$ 0.025 χ^2 /NDF: 656075.3/28

Left In: 138.299 $\pm$ 0.036 χ^2 /NDF: 30.2/8

reg_asym_left_avg_mean vs Slug



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

Left Out: 777.593 $\pm$ 219.521 χ^2 /NDF: 7.9/8

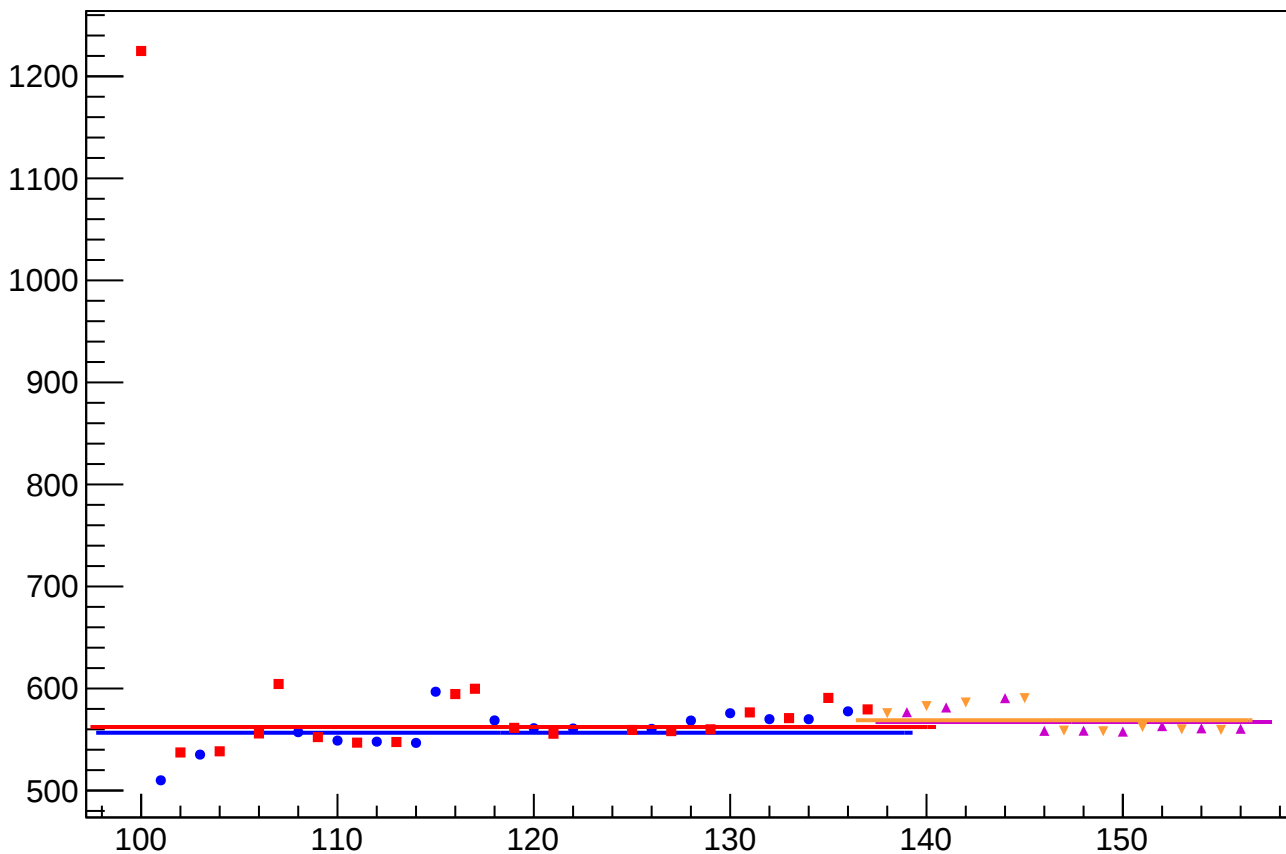
Right Out: -967.277 $\pm$ 212.168 χ^2 /NDF: 14.4/18

Left In: -692.107 $\pm$ 208.838 χ^2 /NDF: 15.1/8

807.776 $\pm$ 154.030 χ^2 /NDF: 12.6/24

-827.516 $\pm$ 148.834 χ^2 /NDF: 30.3/27

reg_asym_left_avg_rms vs Slug



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

Left Out: 568.892+/-0.155 χ^2/NDF : 6140.2/8

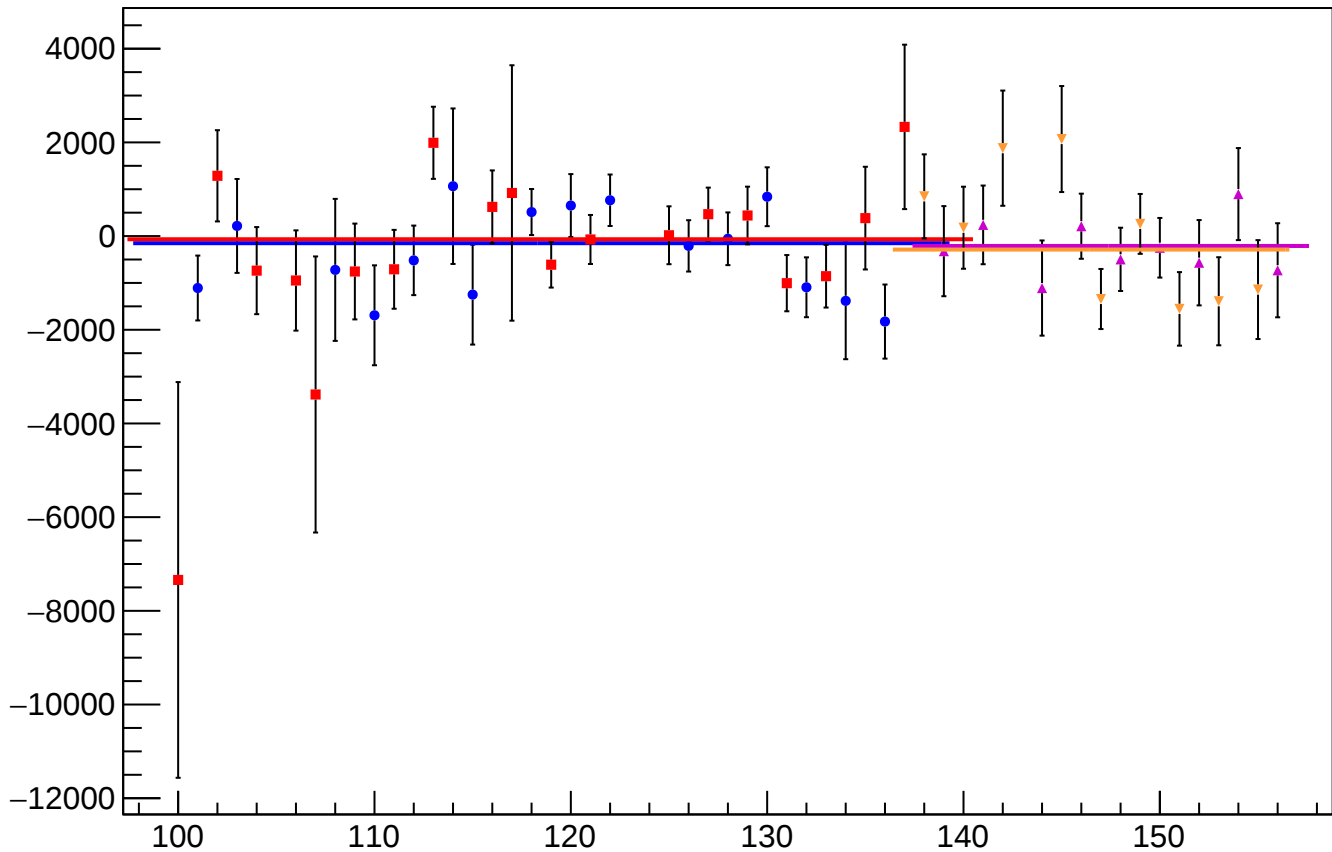
Right Out: 562.253+/-0.150 χ^2/NDF : 55916.7/18

Left In: 567.161+/-0.148 χ^2/NDF : 5874.8/8

562.671+/-0.109 χ^2/NDF : 27696.1/24

564.746+/-0.105 χ^2/NDF : 62335.2/27

asym_left_avg_correction_mean vs Slug



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

Left Out: -287.851+/-282.596 χ^2/NDF : 17.4/8

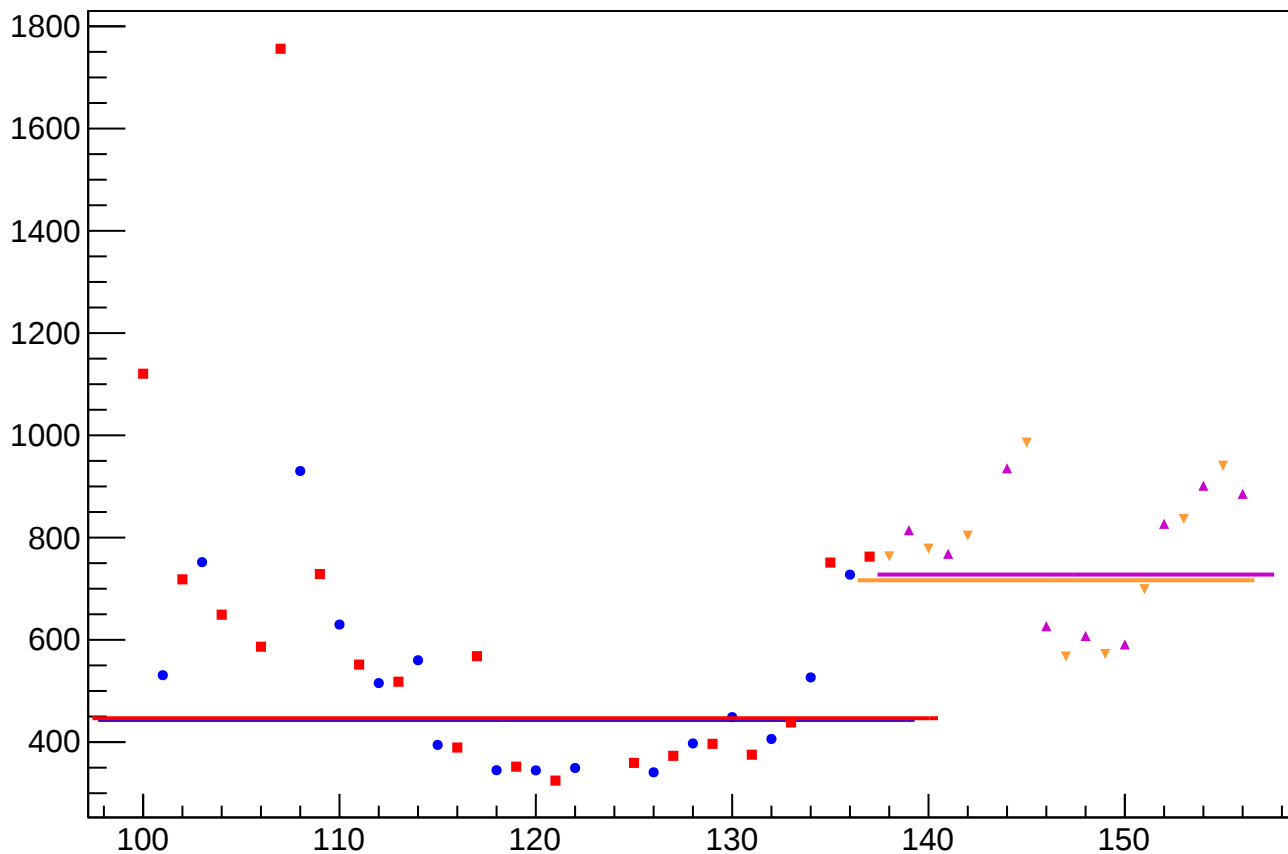
Right Out: -67.516+/-178.283 χ^2/NDF : 25.1/18

Left In: -210.978+/-272.853 χ^2/NDF : 3.3/8

-191.145+/-151.865 χ^2/NDF : 39.9/24

-110.440+/-149.248 χ^2/NDF : 28.7/27

asym_left_avg_correction_rms vs Slug



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

Left Out: 716.475+/-0.200 χ^2/NDF : 472472.0/8

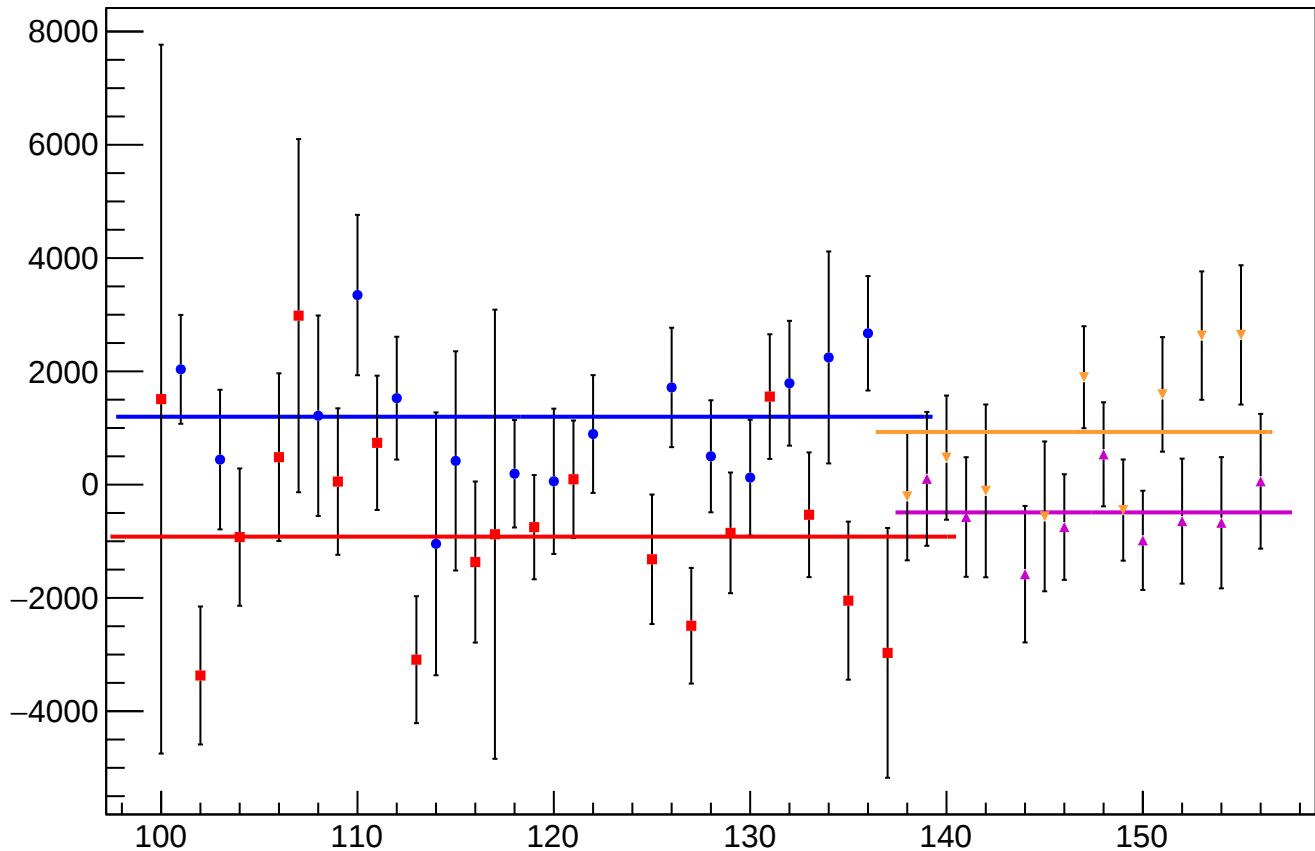
Right Out: 446.668+/-0.126 χ^2/NDF : 1463968.9/18

Left In: 727.660+/-0.193 χ^2/NDF : 438034.2/8

522.298+/-0.107 χ^2/NDF : 2861097.7/24

530.740+/-0.106 χ^2/NDF : 3388470.4/27

asym_left_avg_mean vs Slug



Right In: 1198.972 $\pm$ 295.243 χ^2 /NDF: 11.2/15

Left Out: 929.883 $\pm$ 364.541 χ^2 /NDF:11.1/8

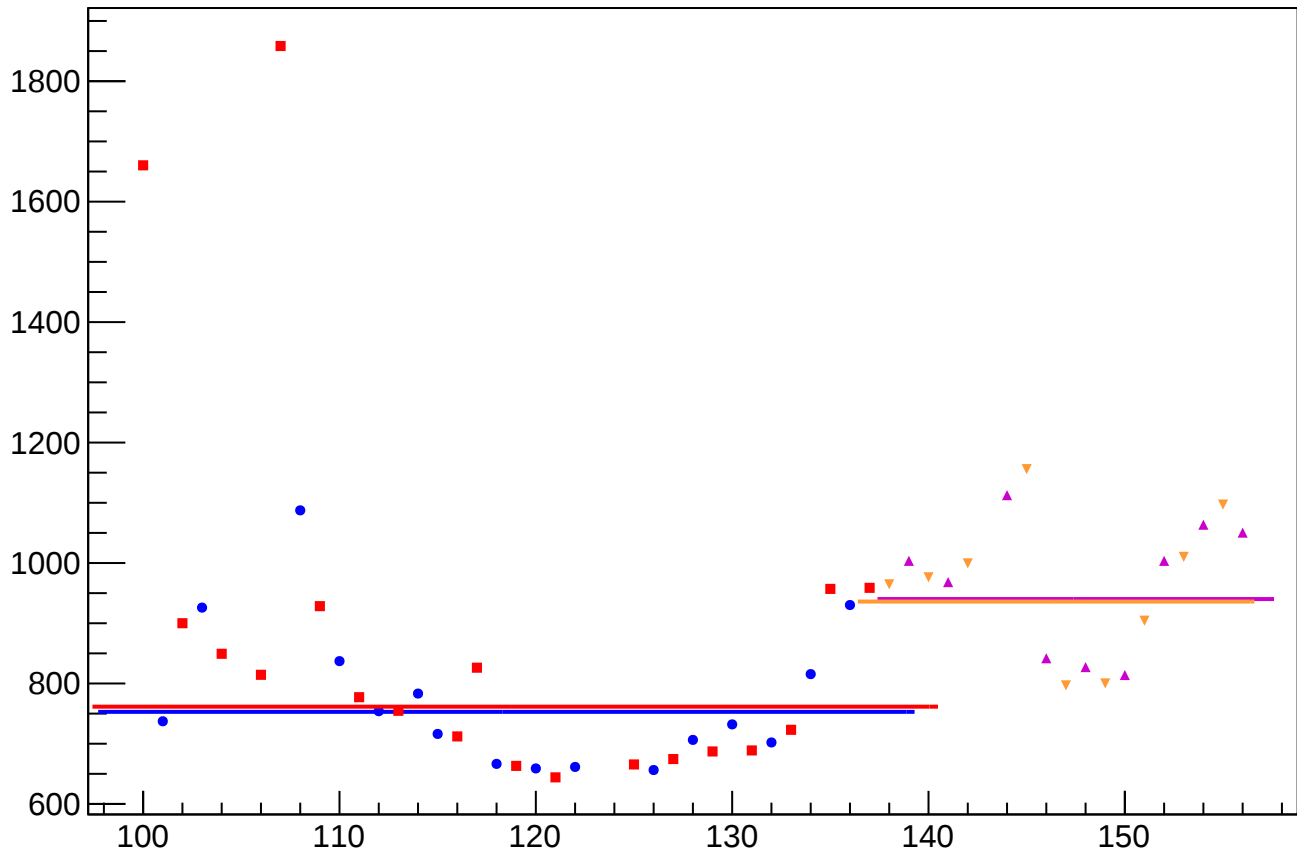
Right Out: -918.180 $\pm$ 292.495 χ^2 /NDF: 23.2/18

Left In: -490.104 $\pm$ 348.889 χ^2 /NDF:3.0/8

1092.382 $\pm$ 229.433 χ^2 /NDF: 22.6/24

-741.491 $\pm$ 224.146 χ^2 /NDF: 27.1/27

asym_left_avg_rms vs Slug



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

Left Out: 936.025 $\pm$ 0.258 χ^2 /NDF: 201686.0/8

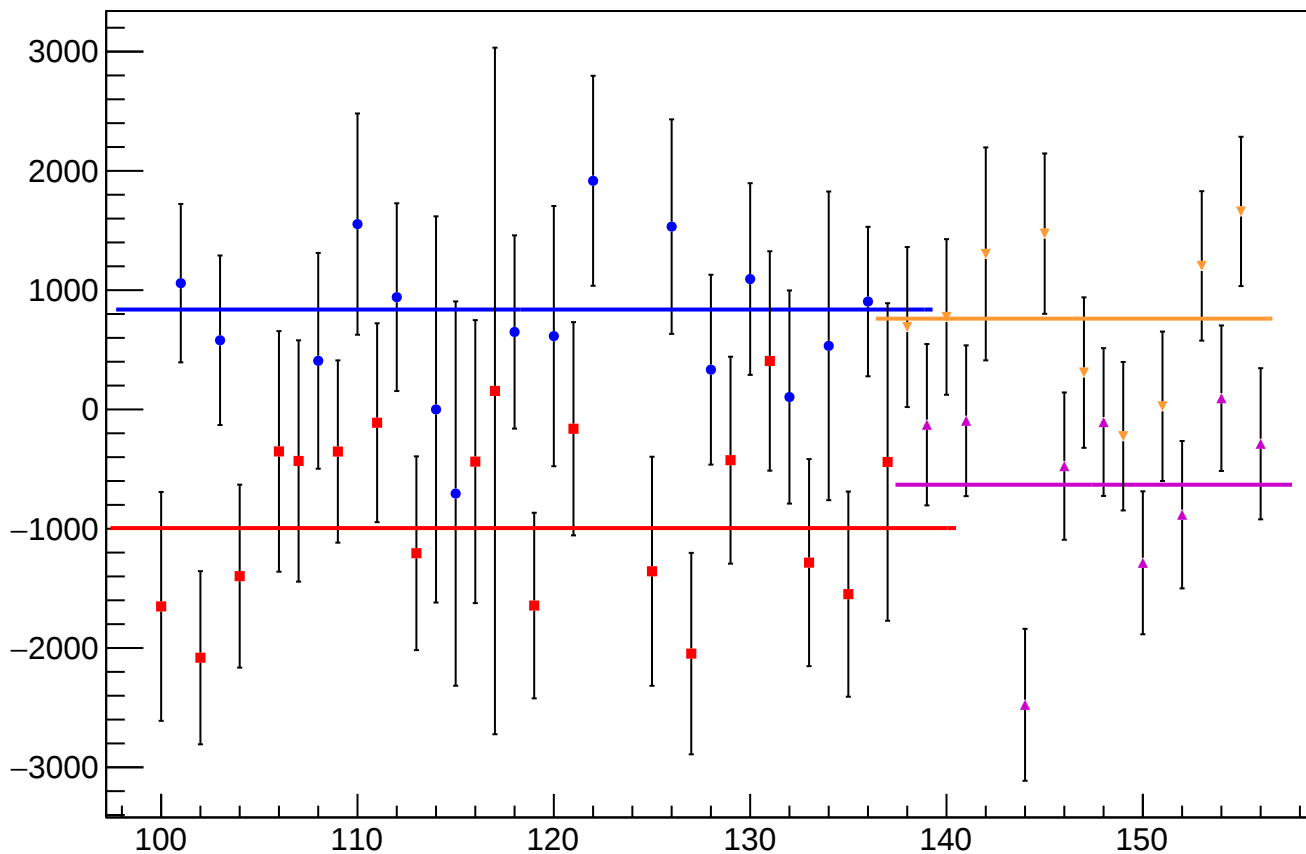
Right Out: 761.514 $\pm$ 0.207 χ^2 /NDF: 517672.2/18

Left In: 940.197 $\pm$ 0.247 χ^2 /NDF: 188704.0/8

825.461 $\pm$ 0.162 χ^2 /NDF: 758868.0/24

835.266 $\pm$ 0.158 χ^2 /NDF: 1014443.6/27

reg_asym_left_dd_mean vs Slug



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

Left Out: 761.417 $\pm$ 219.345 χ^2 /NDF: 8.5/8

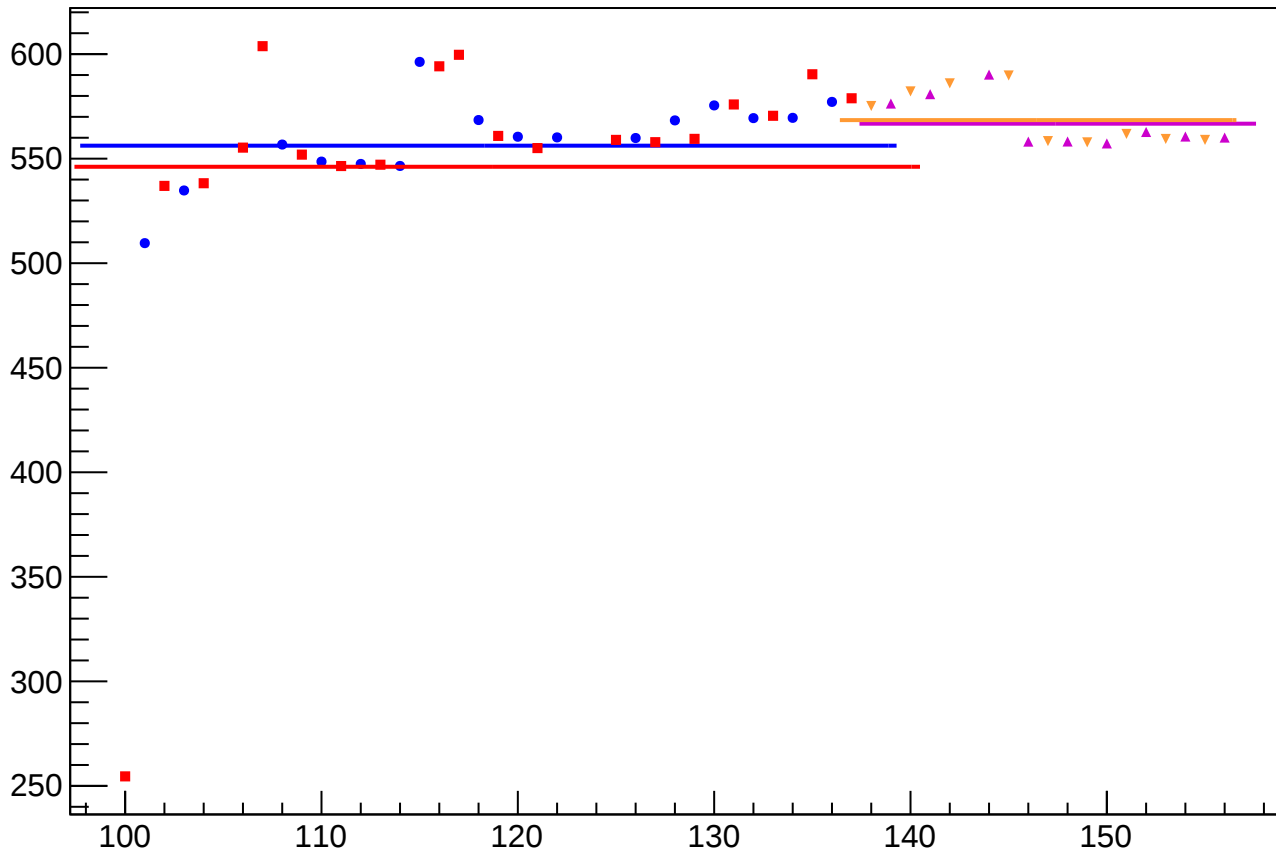
Right Out: -994.626 $\pm$ 207.208 χ^2 /NDF: 12.7/18

Left In: -631.188 $\pm$ 208.678 χ^2 /NDF: 13.5/8

800.069 $\pm$ 153.910 χ^2 /NDF: 14.2/24

-814.191 $\pm$ 147.035 χ^2 /NDF: 27.7/27

reg_asym_left_dd_rms vs Slug



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

Left Out: 568.437 $\pm$ 0.155 χ^2 /NDF: 6069.1/8

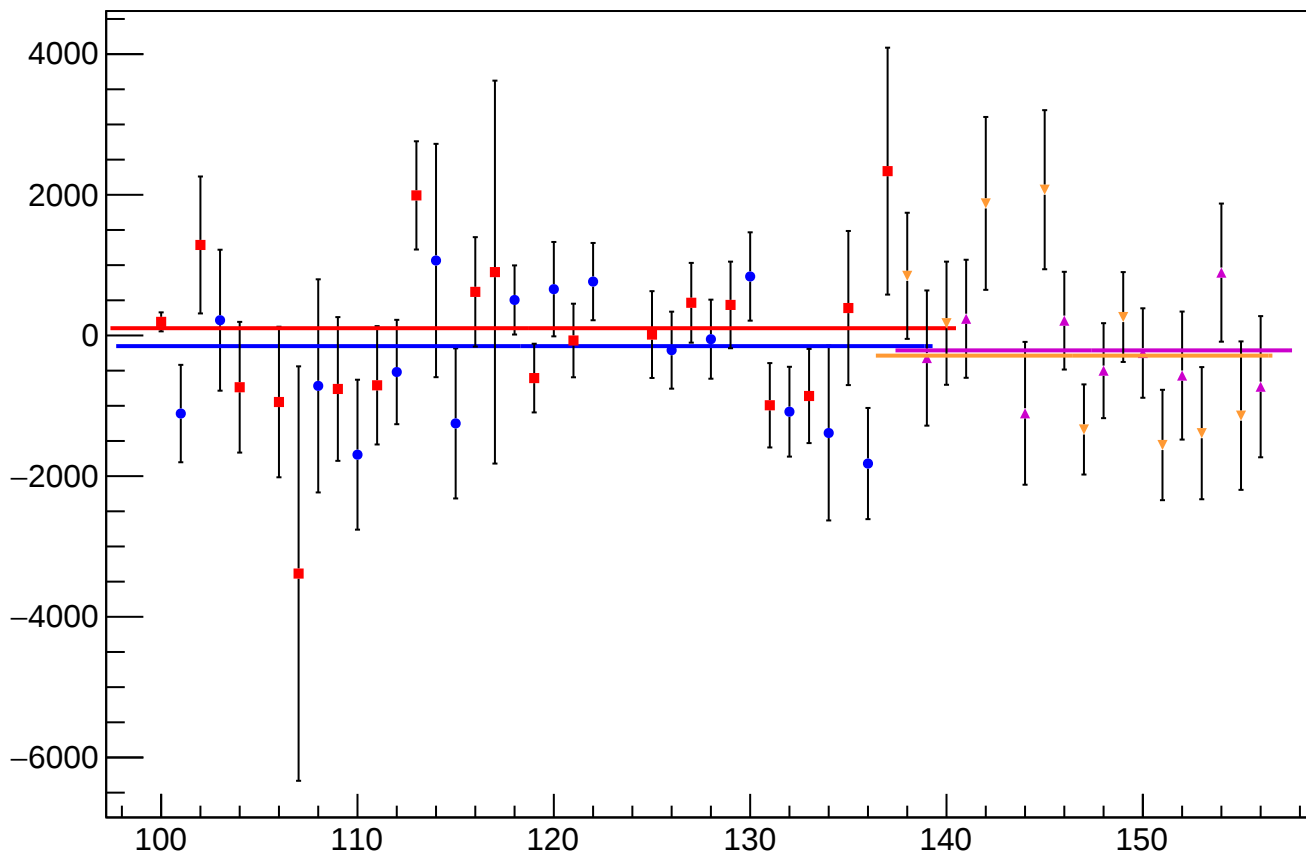
Right Out: 546.124 $\pm$ 0.147 χ^2 /NDF: 208336.6/18

Left In: 566.725 $\pm$ 0.148 χ^2 /NDF: 5887.3/8

562.230 $\pm$ 0.109 χ^2 /NDF: 27641.1/24

556.352 $\pm$ 0.104 χ^2 /NDF: 224039.2/27

asym_left_dd_correction_mean vs Slug



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

Left Out: -286.512 ± 282.464 χ^2/NDF : 17.4/8

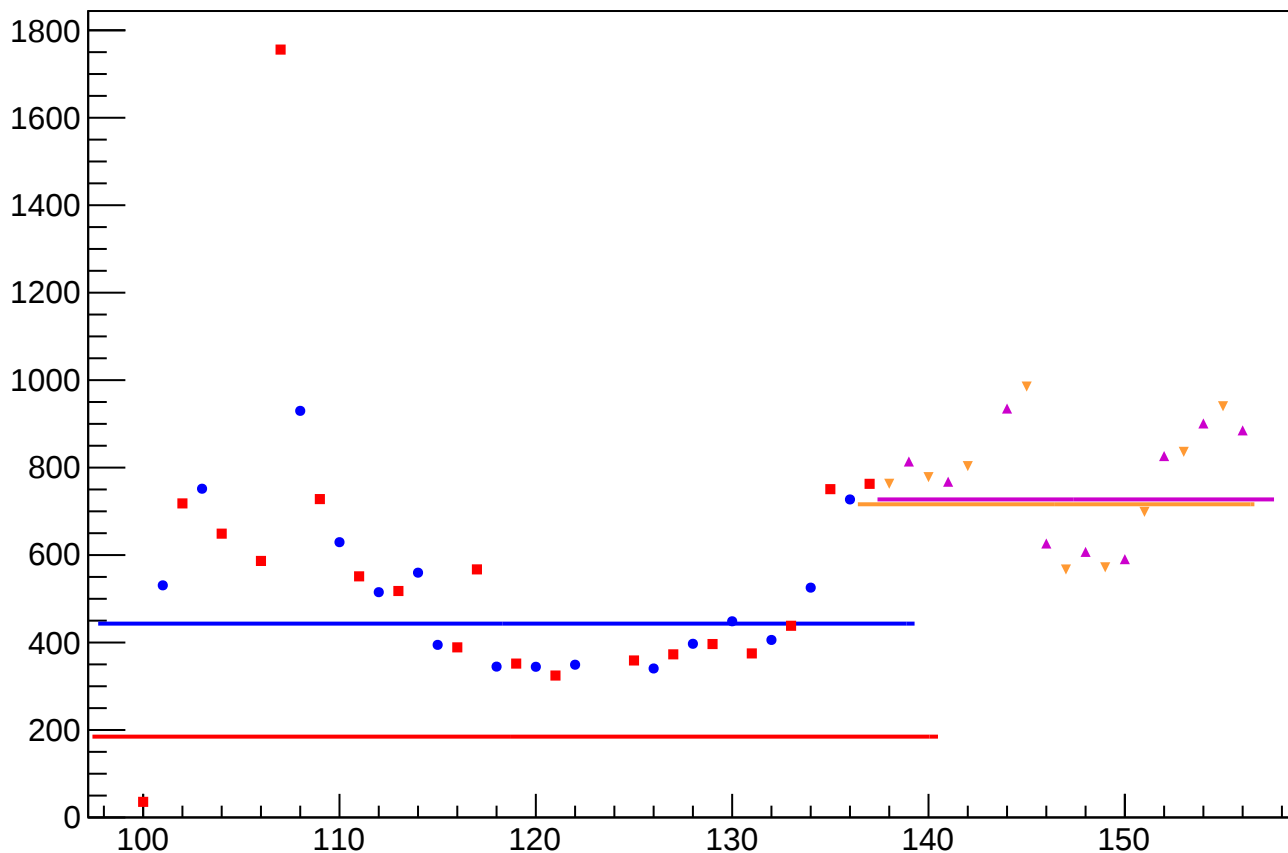
Right Out: 103.328 ± 107.623 χ^2/NDF : 23.3/18

Left In: -211.765 ± 272.704 χ^2/NDF : 3.3/8

-190.460 ± 151.792 χ^2/NDF : 39.8/24

60.866 ± 100.109 χ^2/NDF : 27.8/27

asym_left_dd_correction_rms vs Slug



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

Left Out: 716.131+/-0.200 χ^2/NDF : 472823.4/8

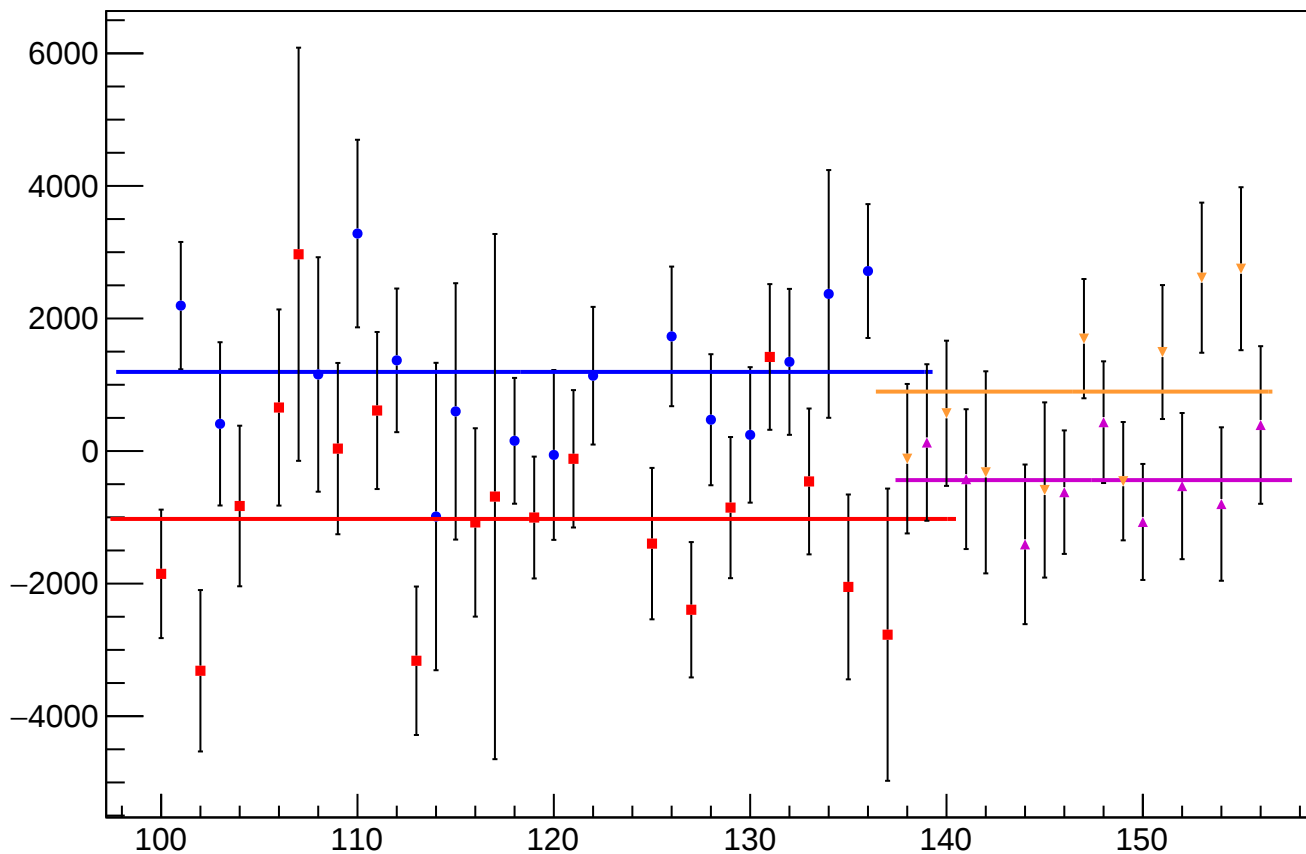
Right Out: 184.814+/-0.076 χ^2/NDF : 8119311.6/18

Left In: 727.258+/-0.193 χ^2/NDF : 437974.7/8

522.047+/-0.107 χ^2/NDF : 2861261.6/24

257.914+/-0.071 χ^2/NDF : 15404194.6/27

asym_left_dd_mean vs Slug



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

Left Out: 896.764 $\pm$ 364.337 χ^2 /NDF:10.8/8

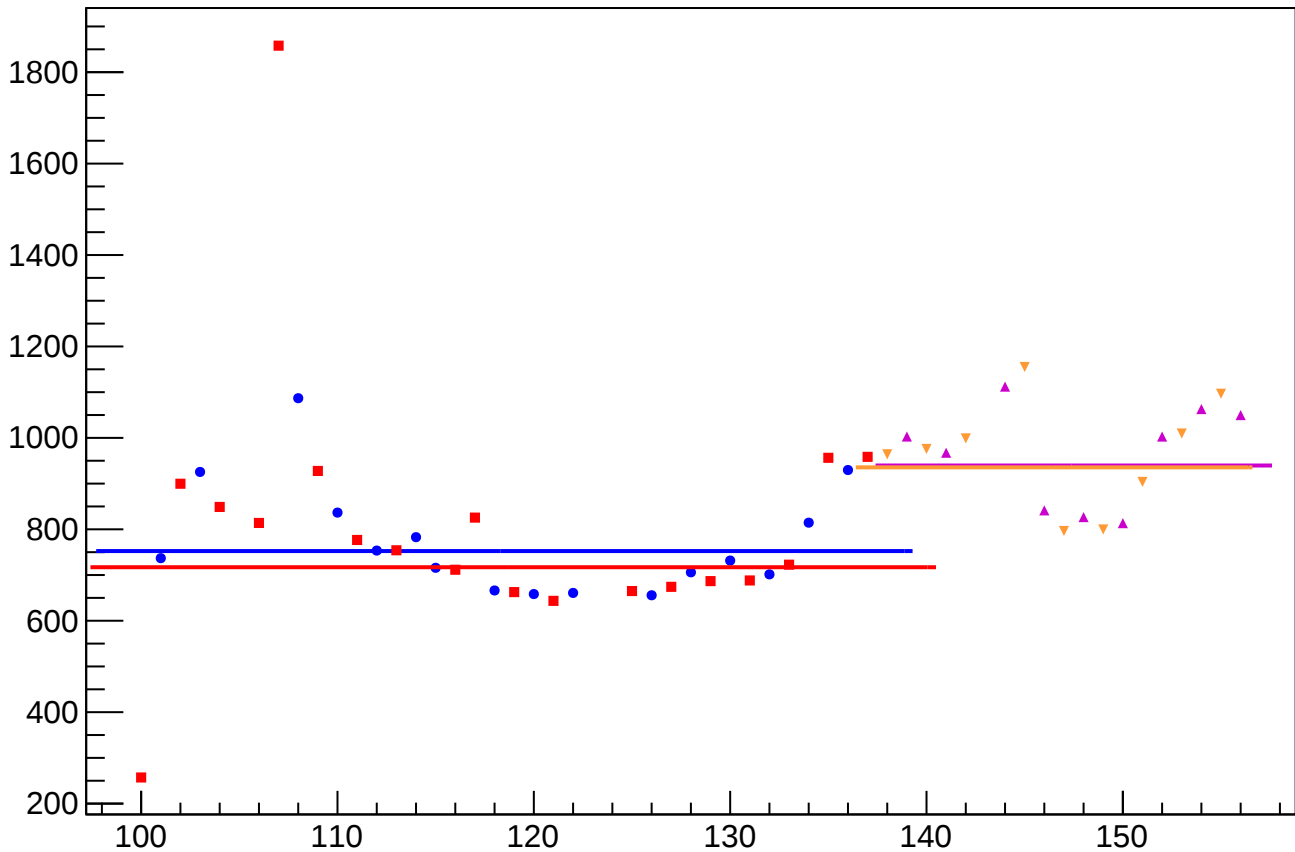
Right Out: -1024.435 $\pm$ 280.119 χ^2 /NDF: 22.5/18

Left In: -438.500 $\pm$ 348.667 χ^2 /NDF:2.9/8

1076.185 $\pm$ 229.290 χ^2 /NDF: 22.4/24

-794.594 $\pm$ 218.374 χ^2 /NDF: 27.2/27

asym_left_dd_rms vs Slug



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

Left Out: 935.503+/-0.258 χ^2/NDF : 201675.4/8

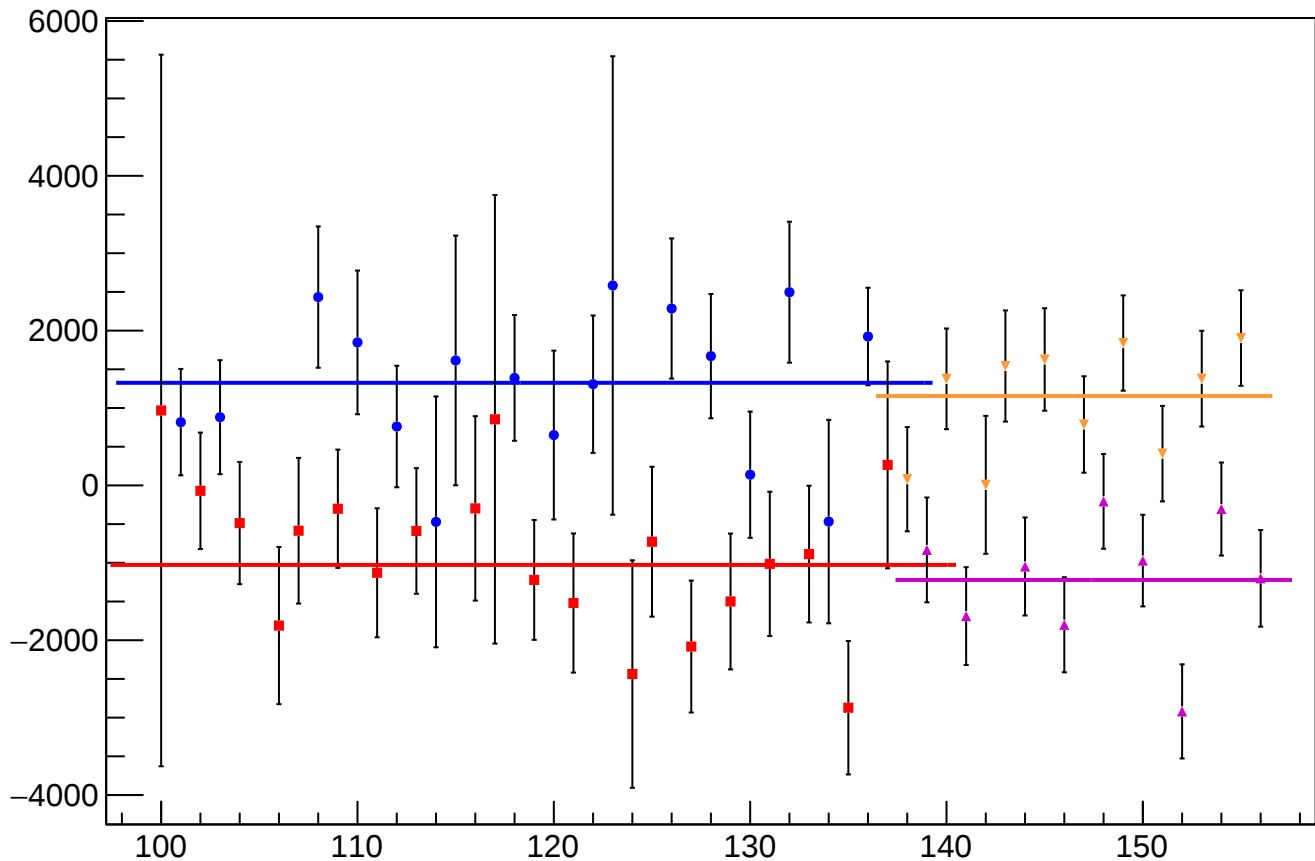
Right Out: 717.067+/-0.198 χ^2/NDF : 968442.7/18

Left In: 939.595+/-0.247 χ^2/NDF : 188748.4/8

824.937+/-0.162 χ^2/NDF : 759360.1/24

804.357+/-0.154 χ^2/NDF : 1652290.3/27

reg_asym_right_avg_mean vs Slug



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

Left Out: 1154.699 ± 207.934 χ^2/NDF : 9.8/9

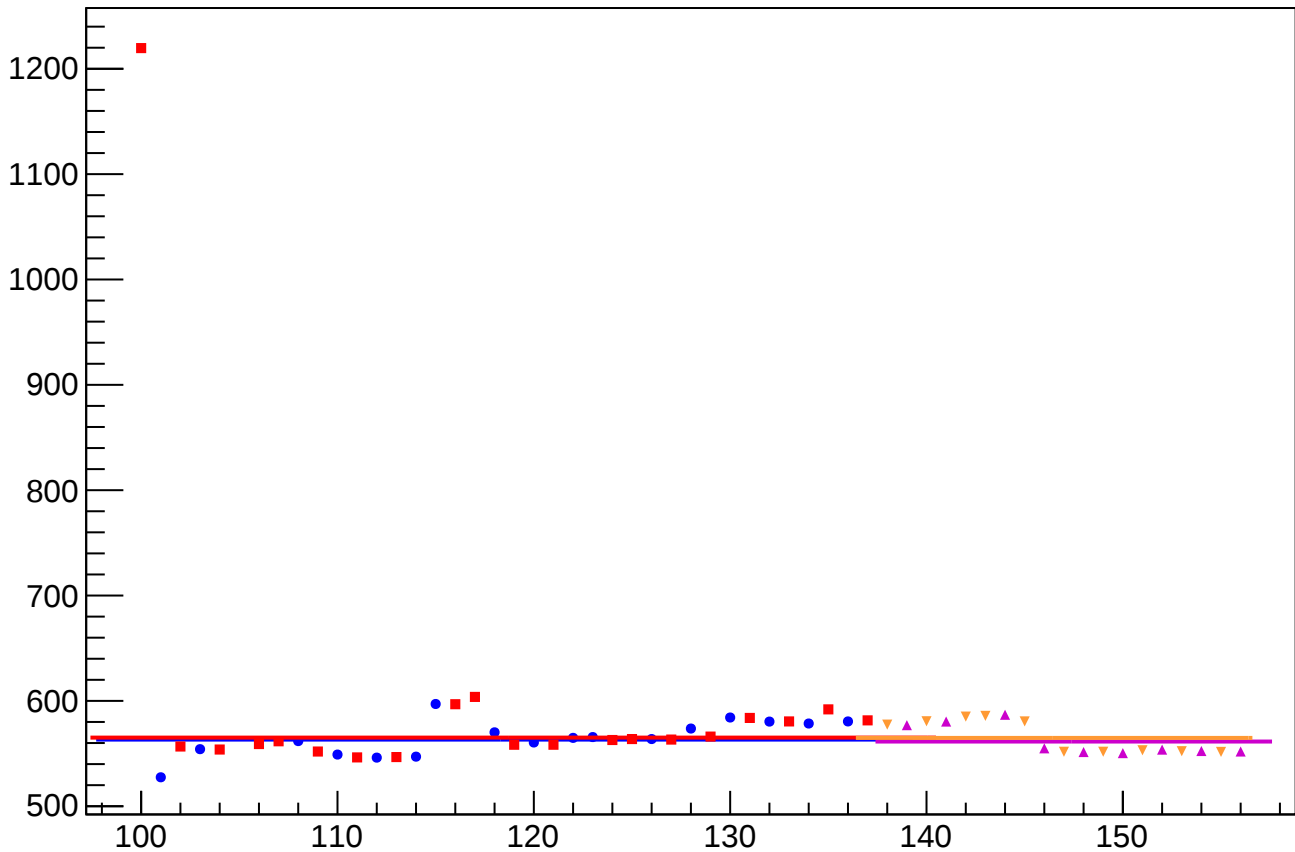
Right Out: -1026.996 ± 211.021 χ^2/NDF : 13.8/19

Left In: -1221.420 ± 206.741 χ^2/NDF : 14.9/8

1236.155 ± 150.499 χ^2/NDF : 23.0/26

-1126.200 ± 147.678 χ^2/NDF : 29.2/28

reg_asym_right_avg_rms vs Slug



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

Left Out: 564.854+/-0.147 χ^2/NDF : 10010.6/9

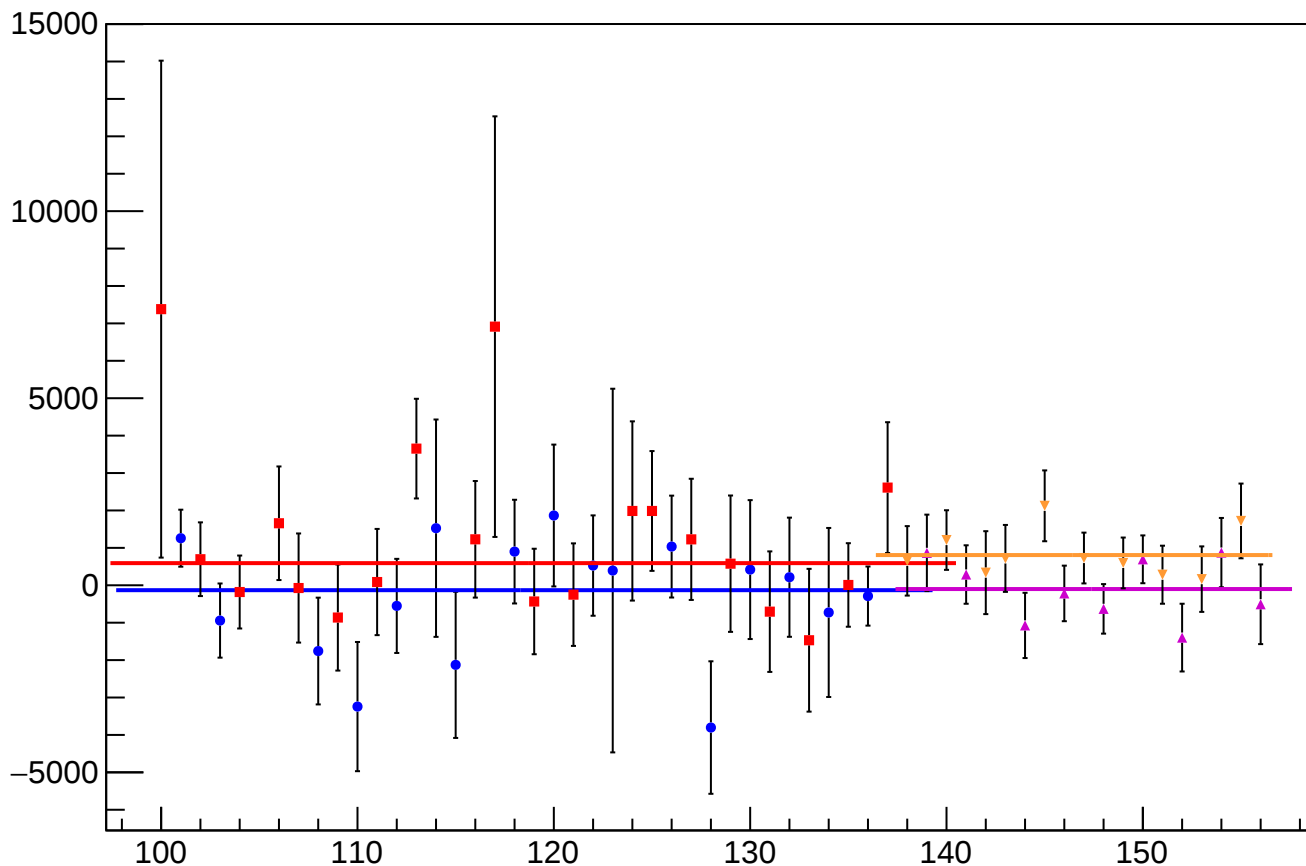
Right Out: 565.150+/-0.149 χ^2/NDF : 49653.1/19

Left In: 561.411+/-0.146 χ^2/NDF : 8748.1/8

564.098+/-0.106 χ^2/NDF : 22586.5/26

563.242+/-0.104 χ^2/NDF : 58721.6/28

asym_right_avg_correction_mean vs Slug



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

Left Out: 807.600+/-265.160 χ^2/NDF : 4.3/9

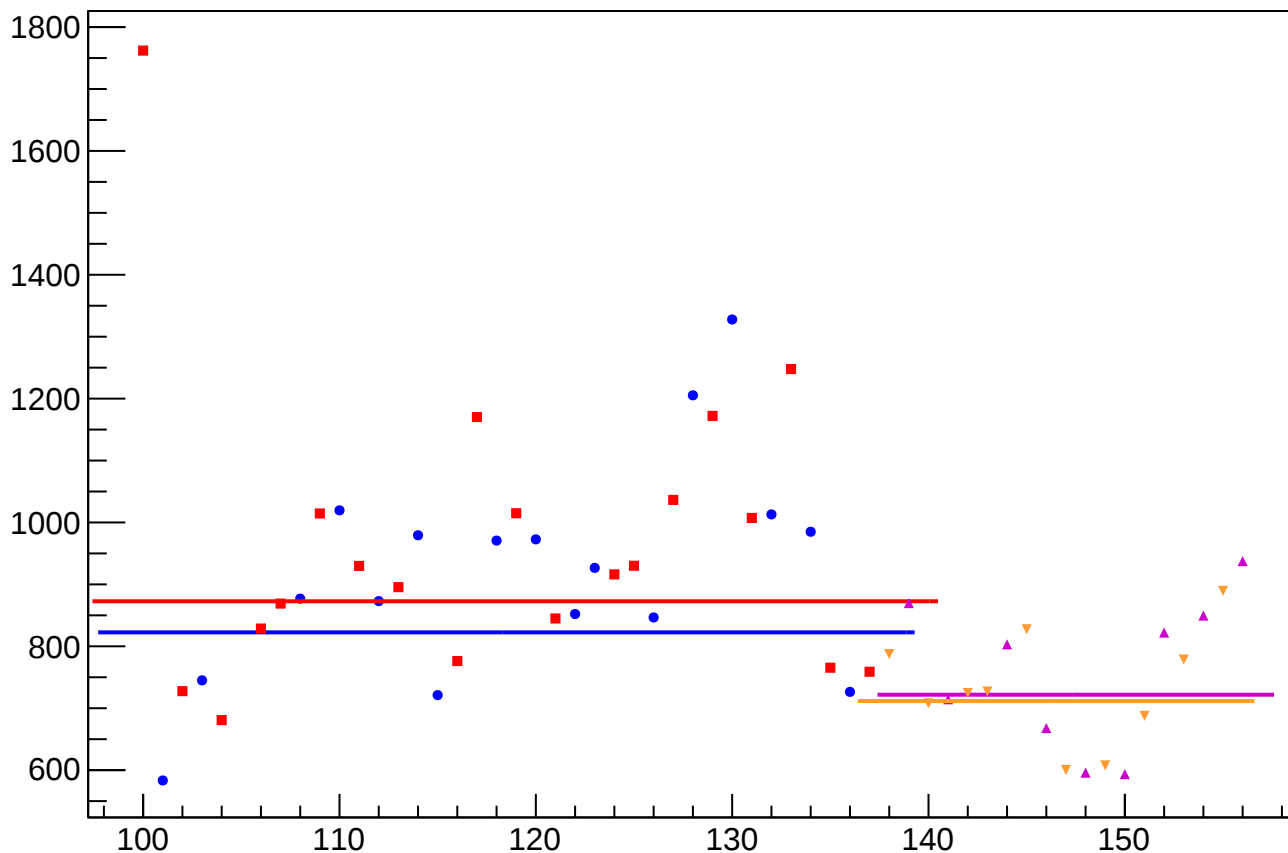
Right Out: 591.948+/-331.825 χ^2/NDF : 15.9/19

Left In: -100.579+/-269.965 χ^2/NDF : 7.9/8

436.029+/-206.104 χ^2/NDF : 26.5/26

175.242+/-209.413 χ^2/NDF : 26.4/28

asym_right_avg_correction_rms vs Slug



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

Left Out: 711.611 ± 0.187 χ^2/NDF : 222017.1/9

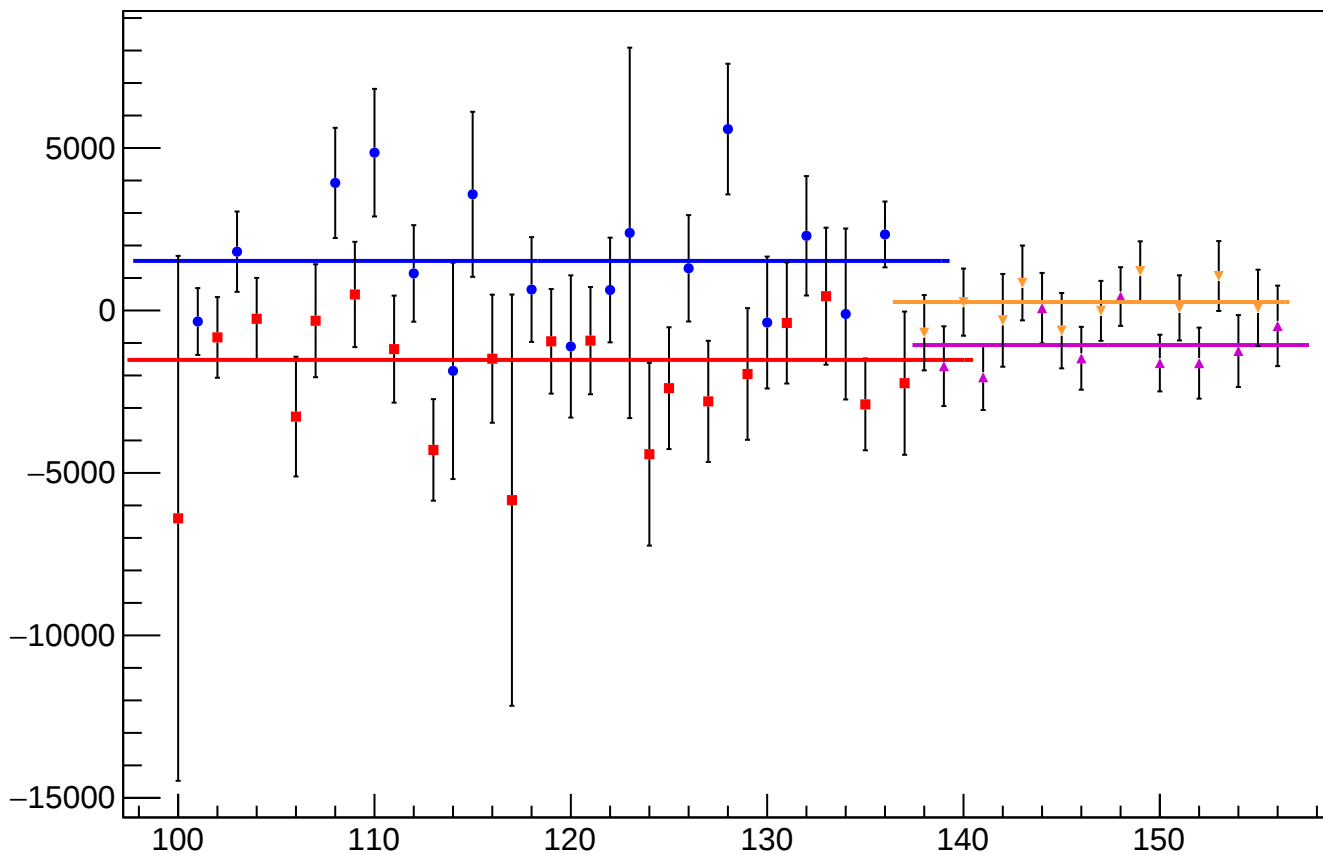
Right Out: 872.719 ± 0.235 χ^2/NDF : 412481.2/19

Left In: 721.823 ± 0.191 χ^2/NDF : 367522.2/8

755.515 ± 0.146 χ^2/NDF : 961495.1/26

781.922 ± 0.148 χ^2/NDF : 1028868.1/28

asym_right_avg_mean vs Slug



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

Left Out: 259.551+/-340.696 χ^2/NDF : 3.4/9

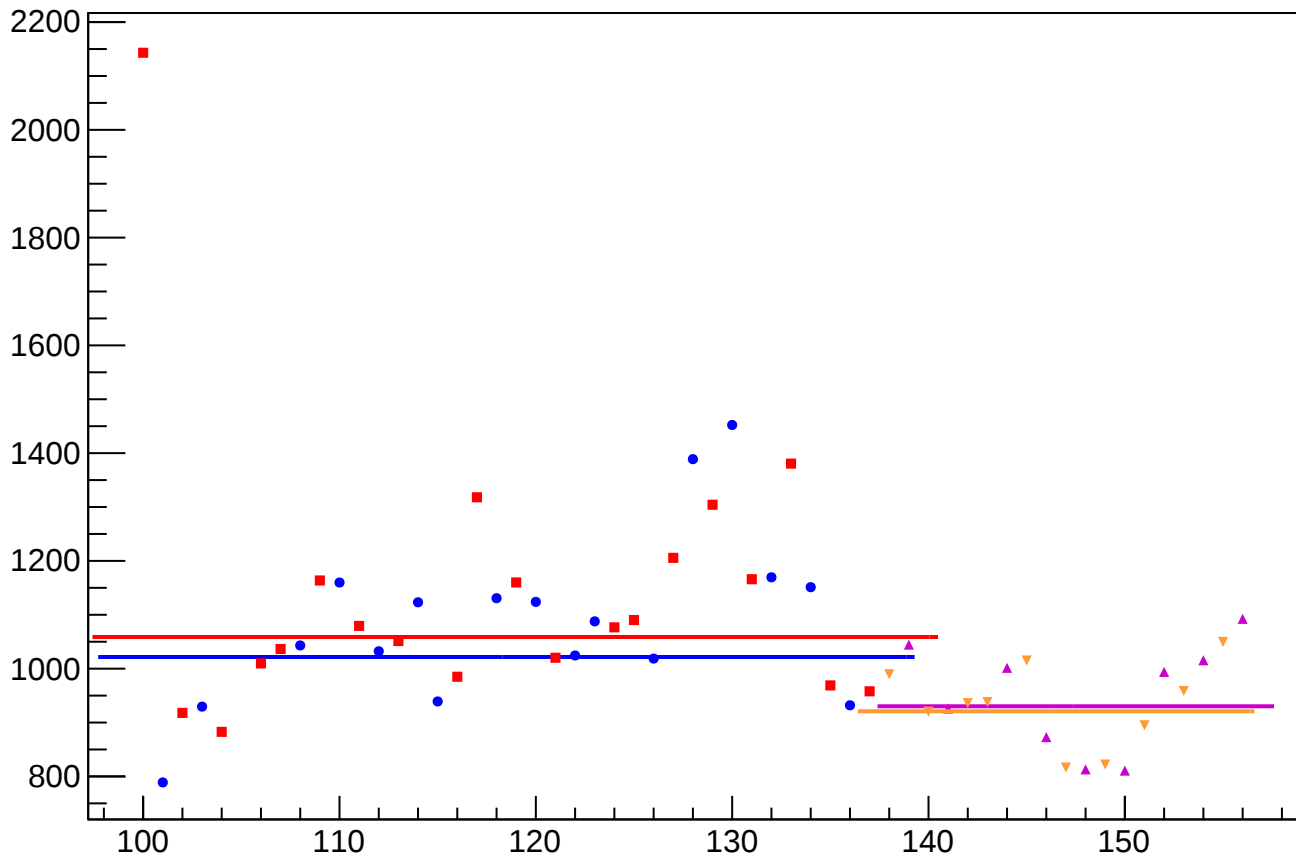
Right Out: -1521.641+/-399.157 χ^2/NDF : 12.6/19

Left In: -1063.917+/-344.746 χ^2/NDF : 6.2/8

789.057+/-259.851 χ^2/NDF : 27.4/26

-1259.478+/-260.905 χ^2/NDF : 19.5/28

asym_right_avg_rms vs Slug



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

Left Out: 920.940+/-0.241 χ^2/NDF : 97483.4/9

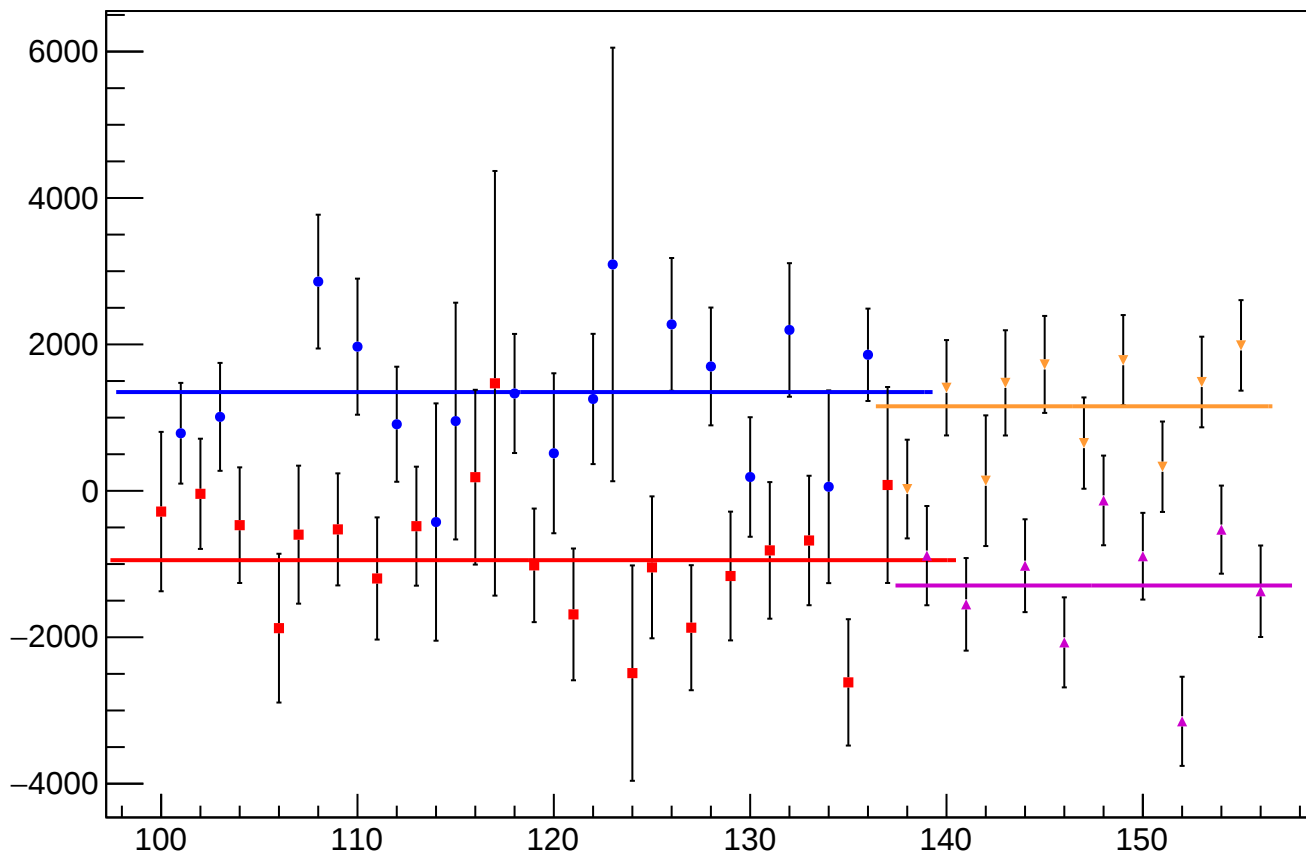
Right Out: 1058.783+/-0.282 χ^2/NDF : 234314.8/19

Left In: 930.196+/-0.244 χ^2/NDF : 157395.3/8

963.071+/-0.184 χ^2/NDF : 502552.5/26

985.134+/-0.184 χ^2/NDF : 510589.3/28

reg_asym_right_dd_mean vs Slug



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

Left Out: 1154.796 $\pm$ 208.141 χ^2 /NDF:10.8/9

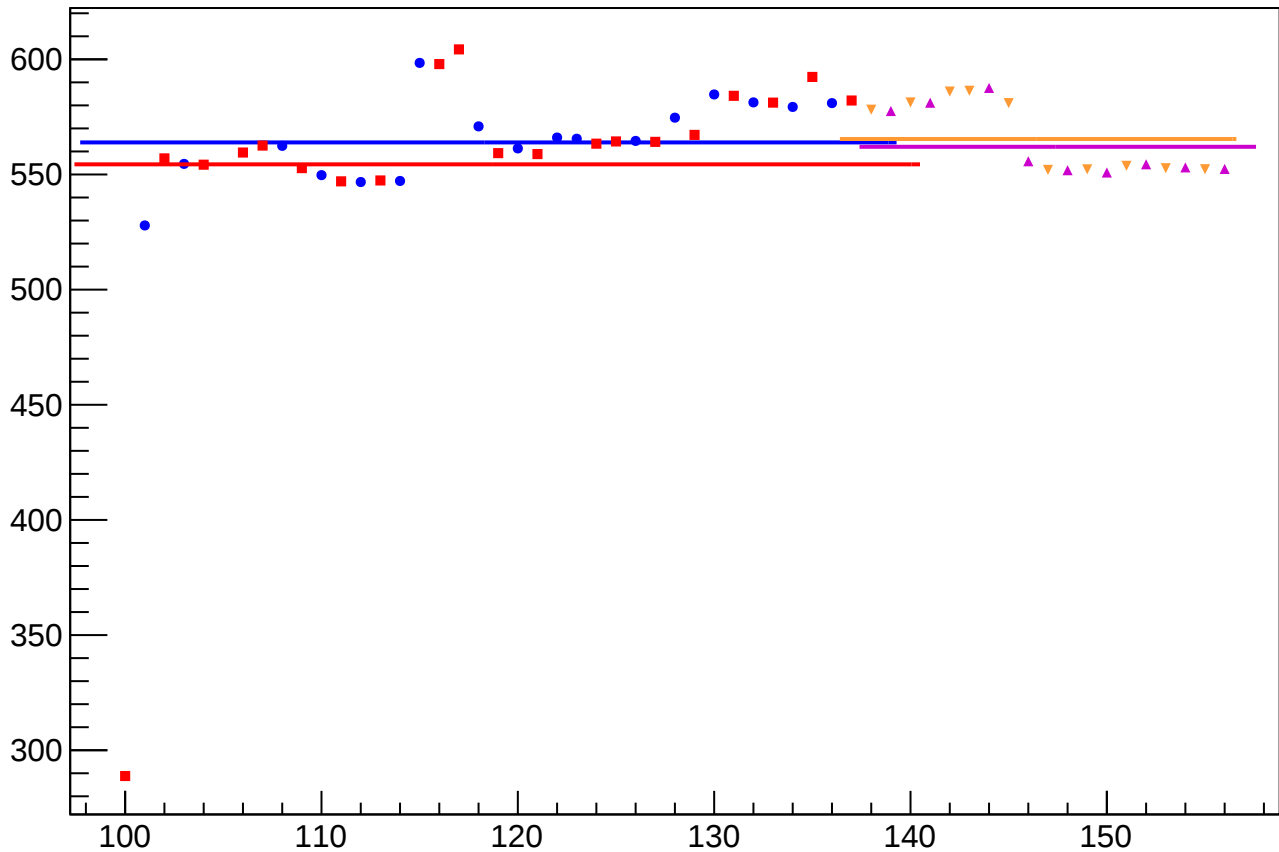
Right Out: -947.051 $\pm$ 207.609 χ^2 /NDF: 12.9/19

Left In: -1292.913 $\pm$ 206.967 χ^2 /NDF:17.3/8

1247.321 $\pm$ 150.662 χ^2 /NDF: 23.5/26

-1120.518 $\pm$ 146.574 χ^2 /NDF: 31.6/28

reg_asym_right_dd_rms vs Slug



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

Left Out: 565.414 $\pm$ 0.147 χ^2 /NDF:10063.4/9

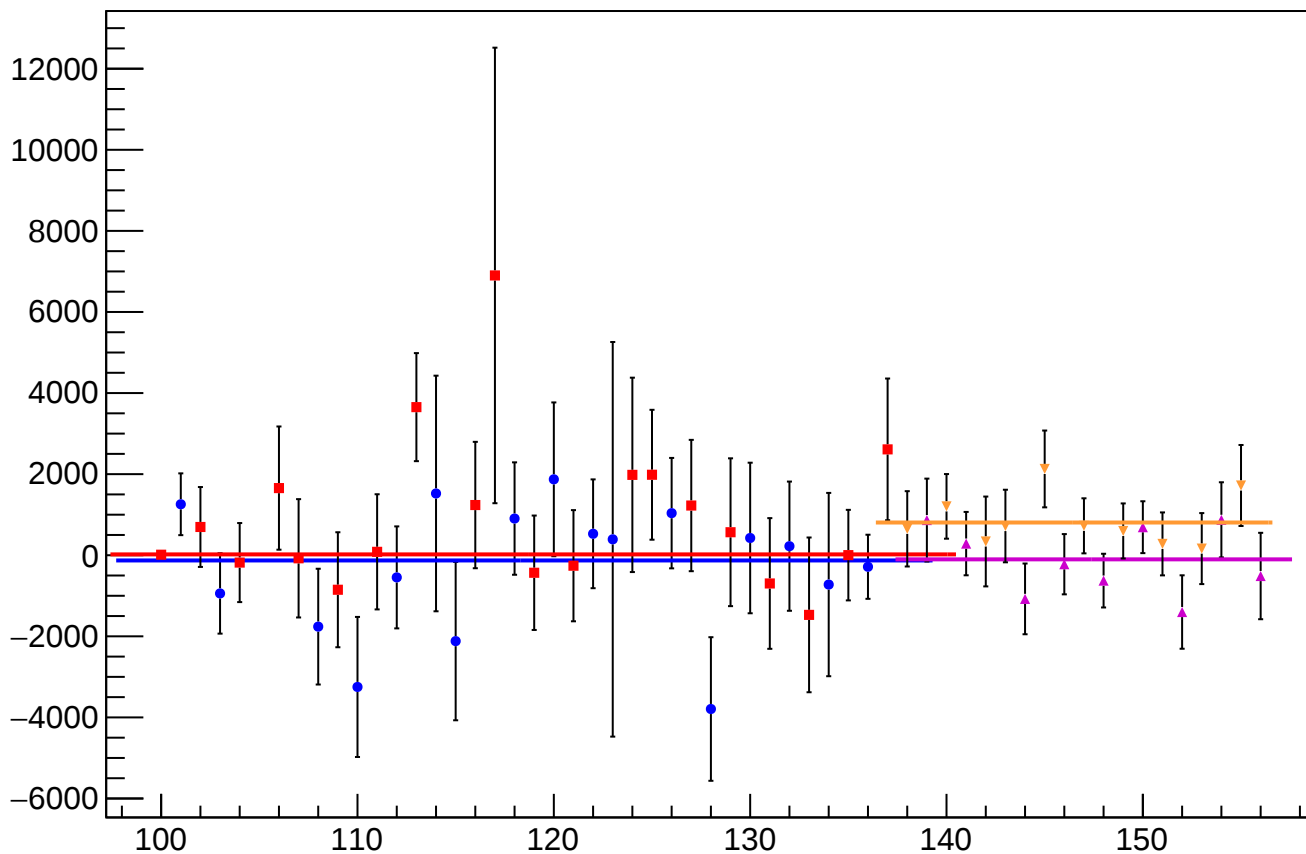
Right Out: 554.402 $\pm$ 0.147 χ^2 /NDF: 132560.6/19

Left In: 562.022 $\pm$ 0.146 χ^2 /NDF:8831.6/8

564.704 $\pm$ 0.107 χ^2 /NDF: 22775.3/26

558.224 $\pm$ 0.104 χ^2 /NDF: 142743.7/28

asym_right_dd_correction_mean vs Slug



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

Left Out: 807.133+/-265.258 χ^2/NDF : 4.4/9

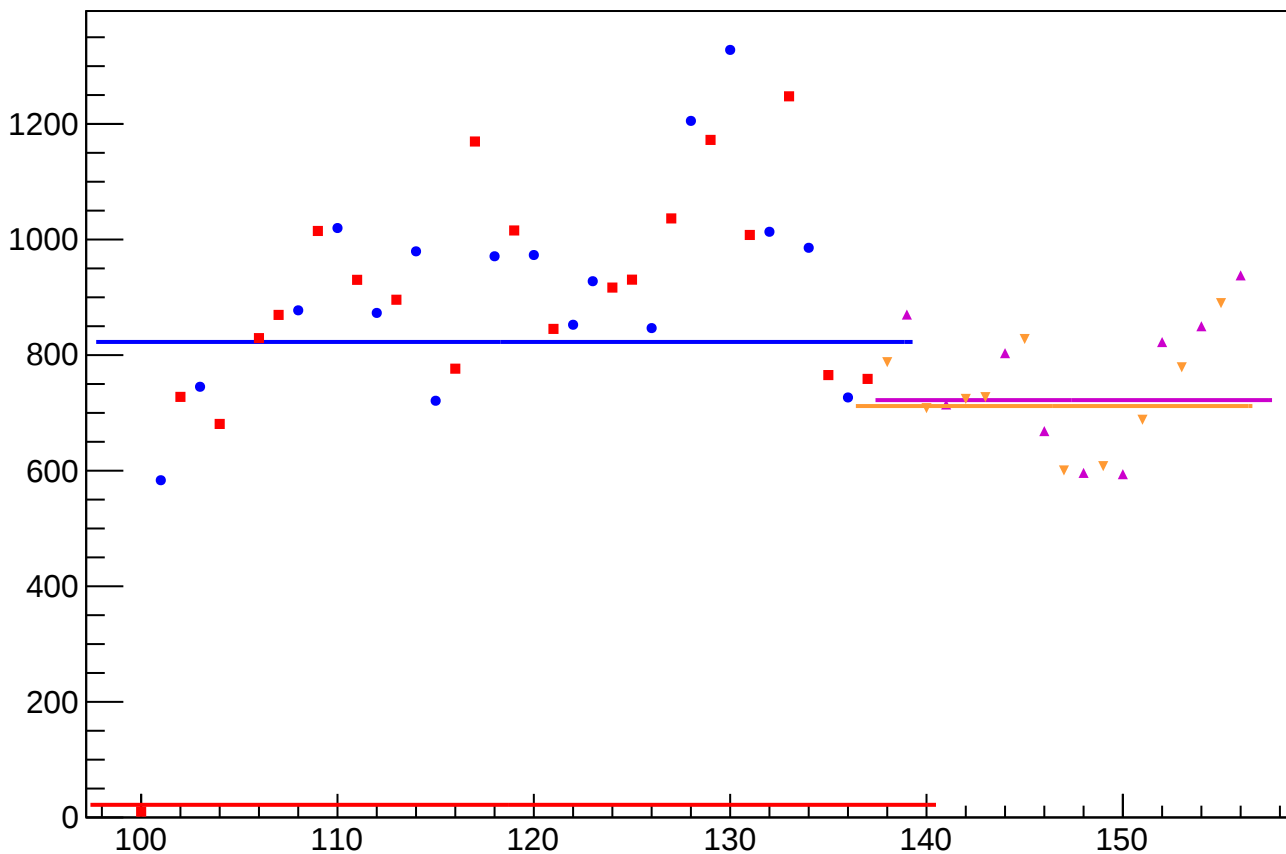
Right Out: 20.715+/-38.953 χ^2/NDF : 17.6/19

Left In: -101.718+/-270.080 χ^2/NDF : 7.9/8

436.658+/-206.175 χ^2/NDF : 26.5/26

18.220+/-38.554 χ^2/NDF : 25.7/28

asym_right_dd_correction_rms vs Slug



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

Left Out: 711.867 $\pm$ 0.188 χ^2 /NDF:222132.5/9

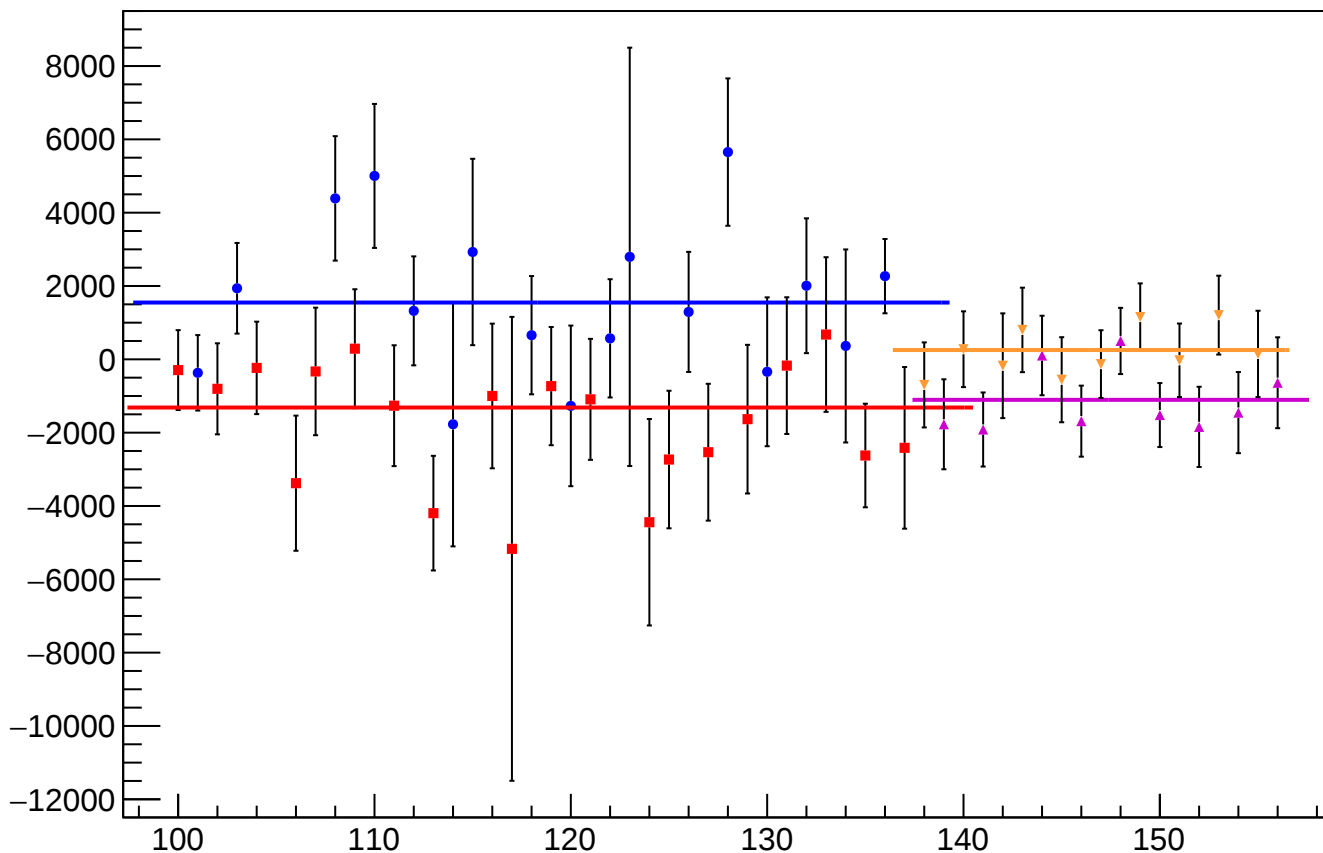
Right Out: 21.867 $\pm$ 0.028 χ^2 /NDF: 13607091.0/19

Left In: 722.139 $\pm$ 0.191 χ^2 /NDF:367236.3/8

755.774 $\pm$ 0.146 χ^2 /NDF: 961427.9/26

36.138 $\pm$ 0.027 χ^2 /NDF: 27145888.0/28

asym_right_dd_mean vs Slug



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

Left Out: 253.467 $\pm$ 340.899 χ^2 /NDF: 3.5/9

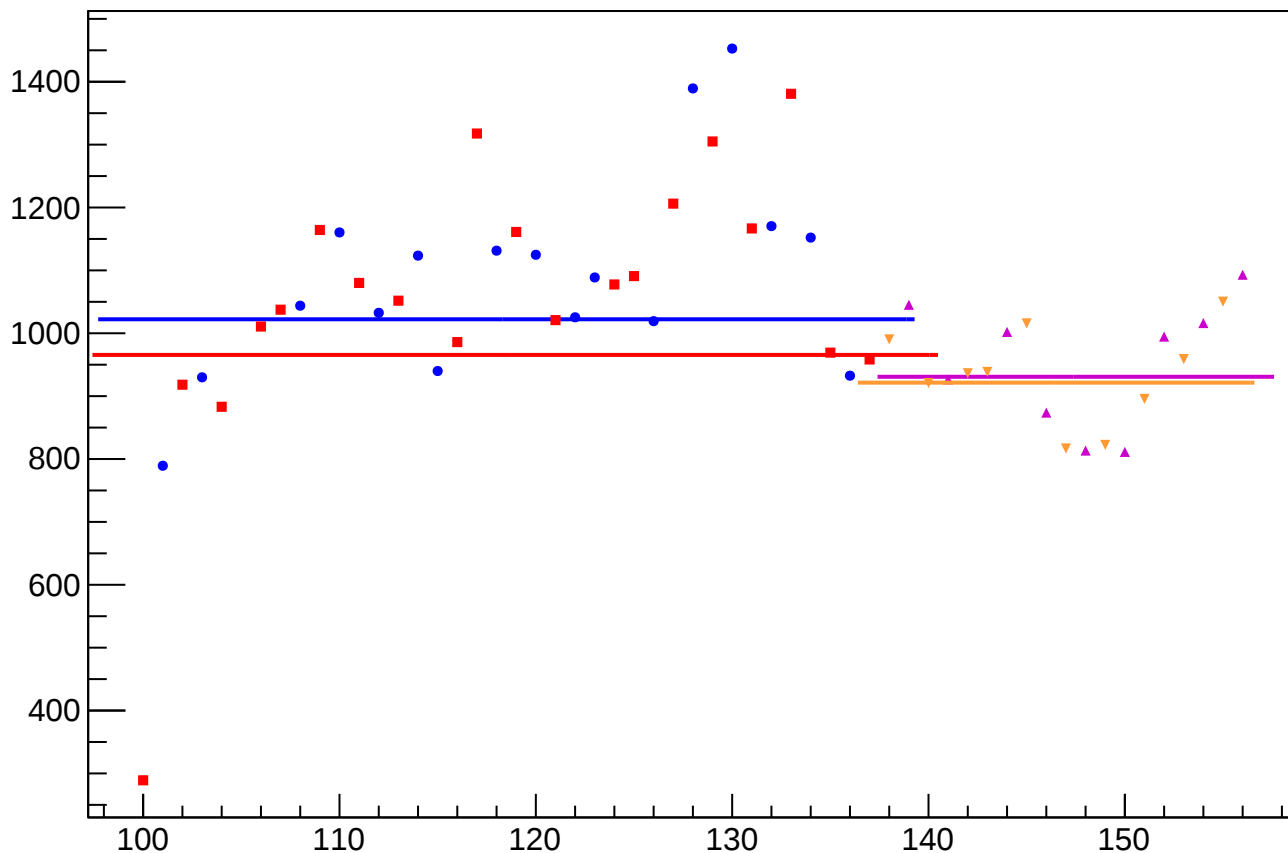
Right Out: -1314.562 $\pm$ 375.381 χ^2 /NDF: 12.9/19

Left In: -1104.883 $\pm$ 344.973 χ^2 /NDF: 6.6/8

795.331 $\pm$ 260.002 χ^2 /NDF: 28.5/26

-1200.887 $\pm$ 254.003 χ^2 /NDF: 19.7/28

asym_right_dd_rms vs Slug



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

Left Out: 921.484+/-0.241 χ^2/NDF : 97576.9/9

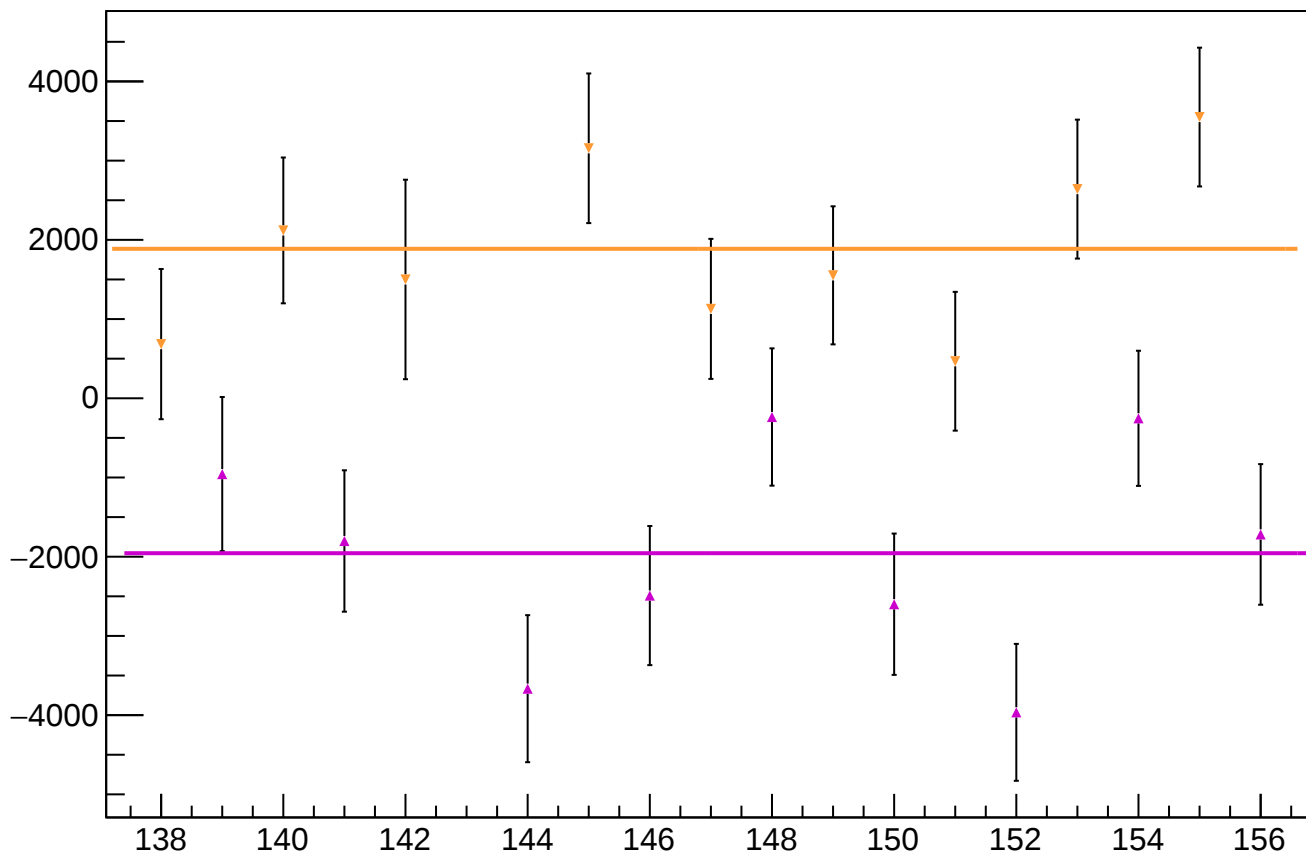
Right Out: 965.574+/-0.265 χ^2/NDF : 1073497.1/19

Left In: 930.812+/-0.244 χ^2/NDF : 157302.1/8

963.631+/-0.184 χ^2/NDF : 502525.6/26

946.728+/-0.180 χ^2/NDF : 1240097.3/28

cor_asym_us_avg_mean vs Slug



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

Left Out: 1886.980+/-307.914 χ^2/NDF : 11.4/8

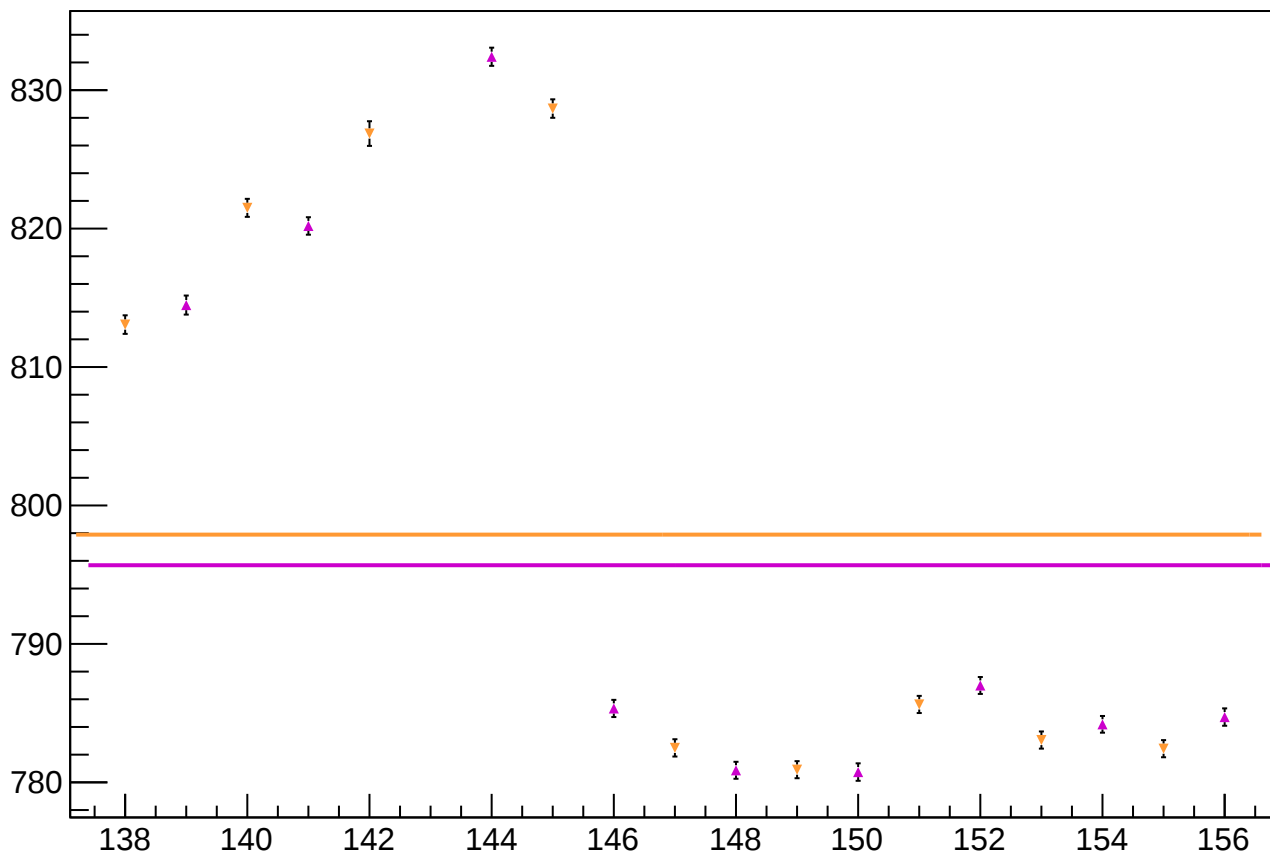
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1955.770+/-296.952 χ^2/NDF : 18.8/8

1886.980+/-307.914 χ^2/NDF : 11.4/8

-1955.770+/-296.952 χ^2/NDF : 18.8/8

cor_asym_us_avg_rms vs Slug



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

Left Out: 797.894+/-0.218 χ^2/NDF : 7963.6/8

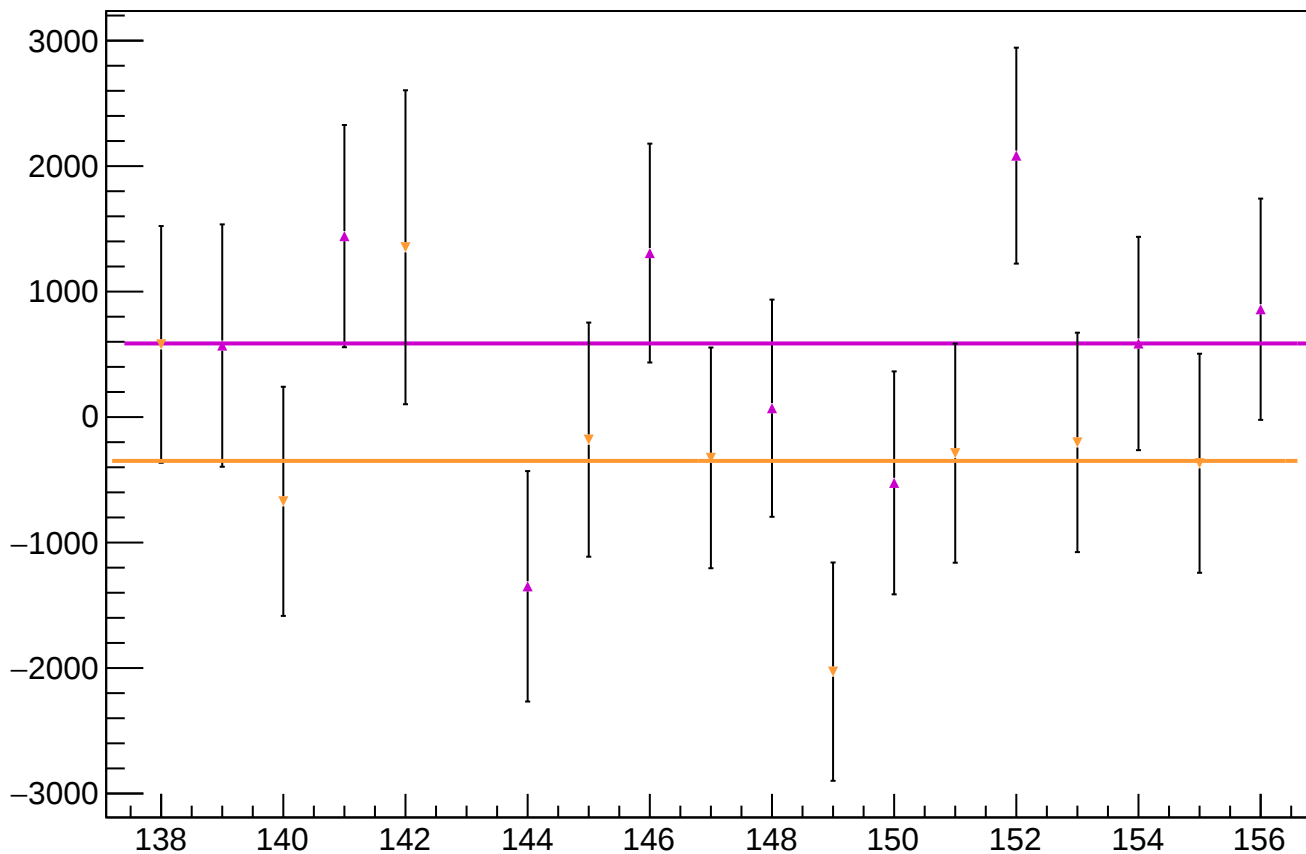
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 795.683+/-0.210 χ^2/NDF : 7679.3/8

797.894+/-0.218 χ^2/NDF : 7963.6/8

795.683+/-0.210 χ^2/NDF : 7679.3/8

cor_asym_us_dd_mean vs Slug



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

Left Out: -349.211+/-306.301 χ^2/NDF : 6.7/8

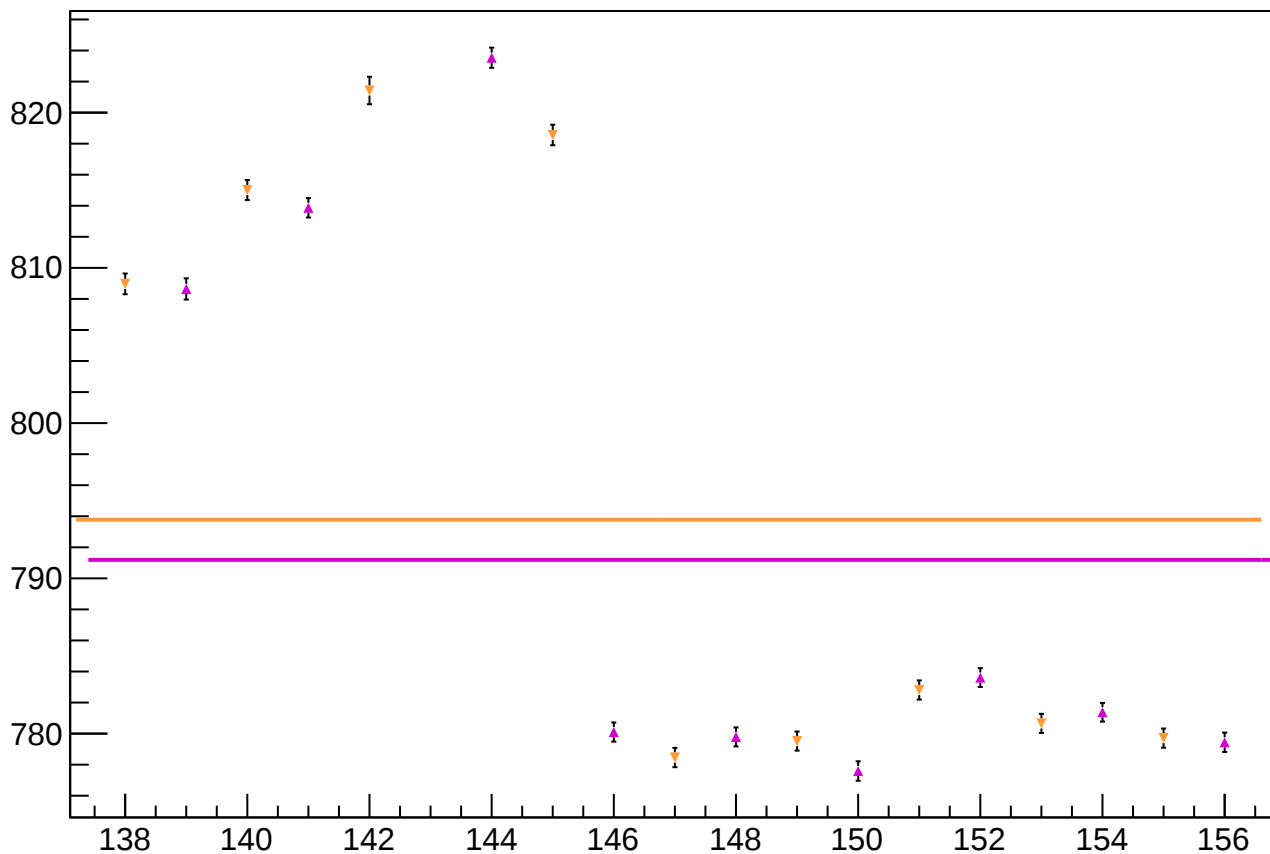
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 586.731+/-295.255 χ^2/NDF : 11.1/8

-349.211+/-306.301 χ^2/NDF : 6.7/8

586.731+/-295.255 χ^2/NDF : 11.1/8

cor_asym_us_dd_rms vs Slug



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

Left Out: 793.779+/-0.217 χ^2/NDF : 6417.7/8

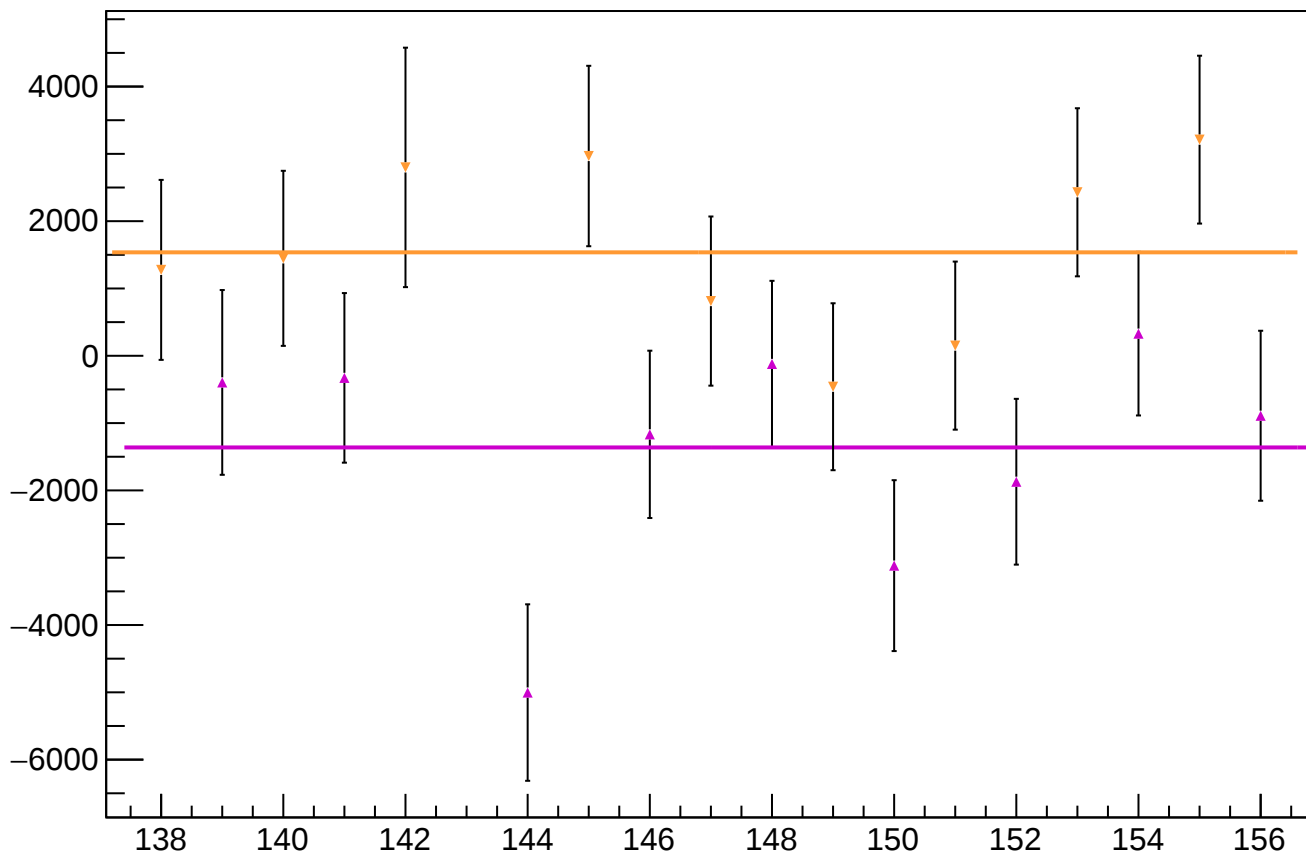
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 791.191+/-0.209 χ^2/NDF : 6362.5/8

793.779+/-0.217 χ^2/NDF : 6417.7/8

791.191+/-0.209 χ^2/NDF : 6362.5/8

cor_asym_usl_mean vs Slug



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

Left Out: 1536.901+/-437.153 χ^2/NDF : 8.2/8

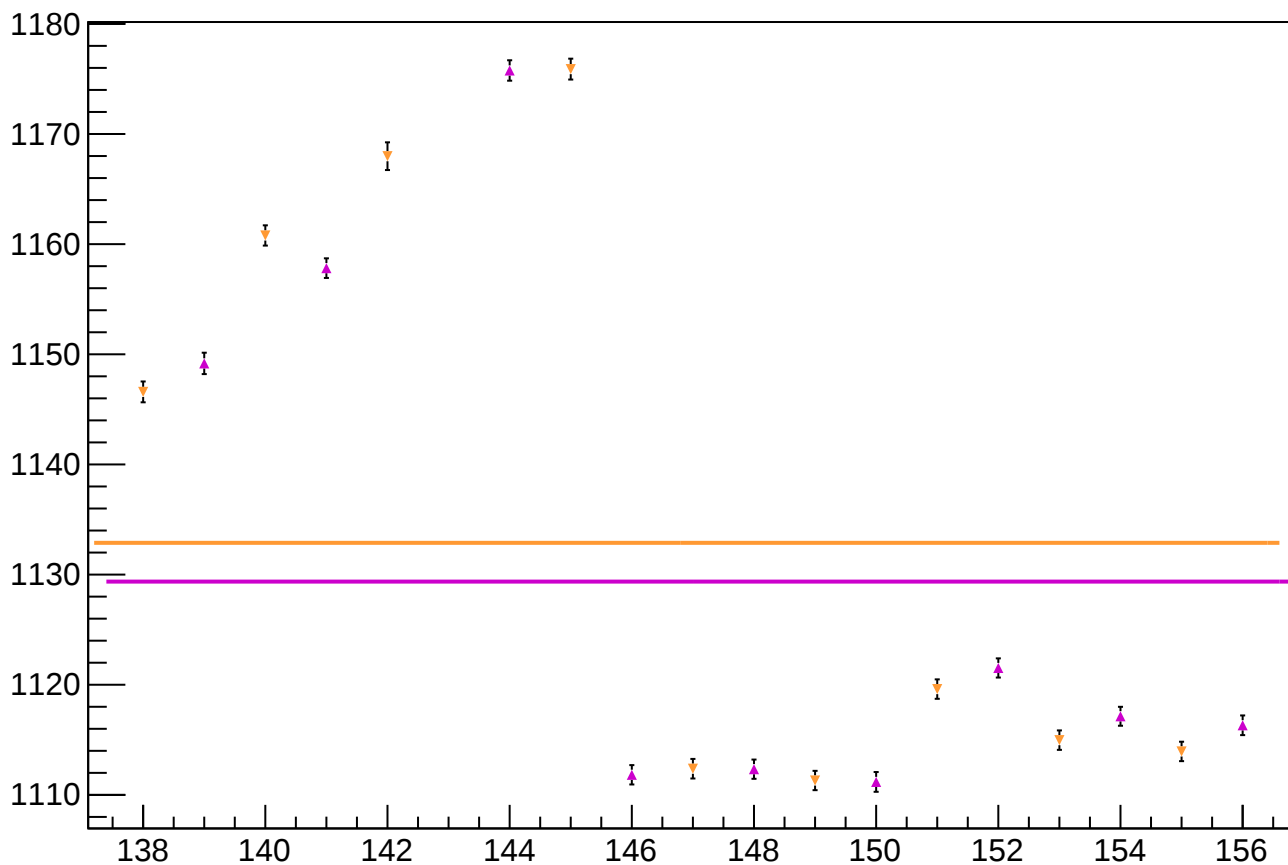
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1361.839+/-421.447 χ^2/NDF : 14.1/8

1536.901+/-437.153 χ^2/NDF : 8.2/8

-1361.839+/-421.447 χ^2/NDF : 14.1/8

cor_asym_usl_rms vs Slug



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

Left Out: 1132.884+/-0.309 χ^2/NDF : 6206.0/8

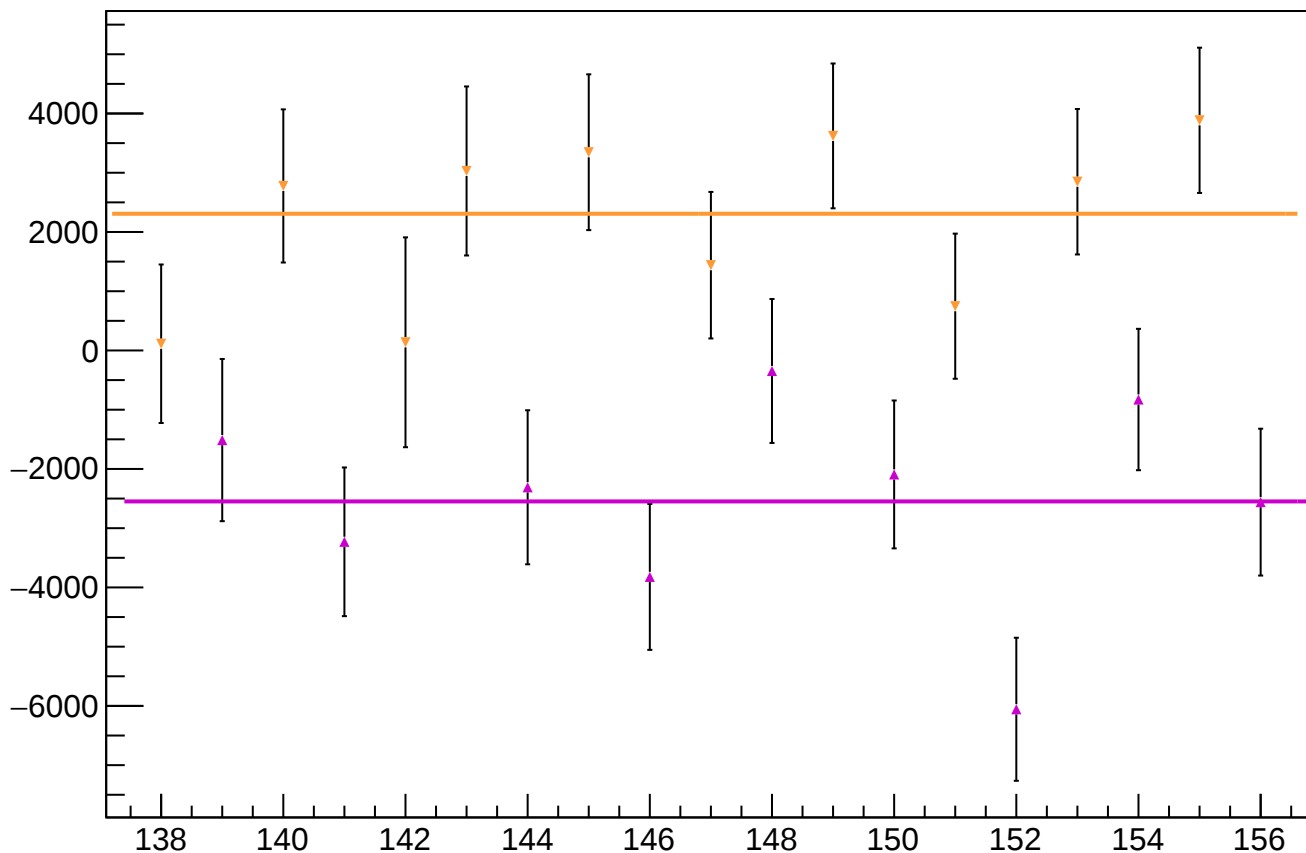
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1129.365+/-0.298 χ^2/NDF : 5628.5/8

1132.884+/-0.309 χ^2/NDF : 6206.0/8

1129.365+/-0.298 χ^2/NDF : 5628.5/8

cor_asym_usr_mean vs Slug



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

Left Out: 2307.545+/-412.970 χ^2/NDF : 10.3/9

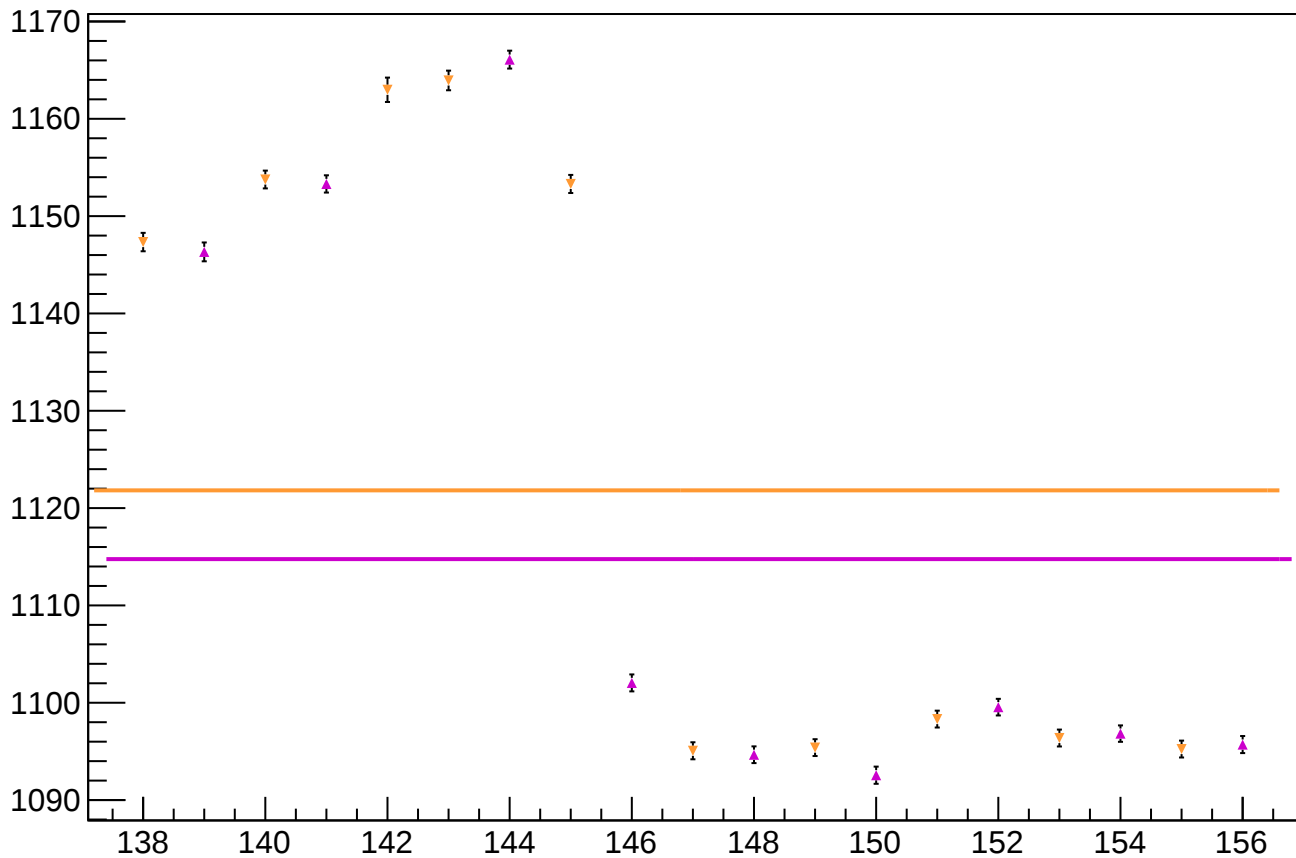
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2548.332+/-416.041 χ^2/NDF : 15.9/8

2307.545+/-412.970 χ^2/NDF : 10.3/9

-2548.332+/-416.041 χ^2/NDF : 15.9/8

cor_asym_usr_rms vs Slug



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

Left Out: 1121.822+/-0.292 χ^2/NDF : 10324.7/9

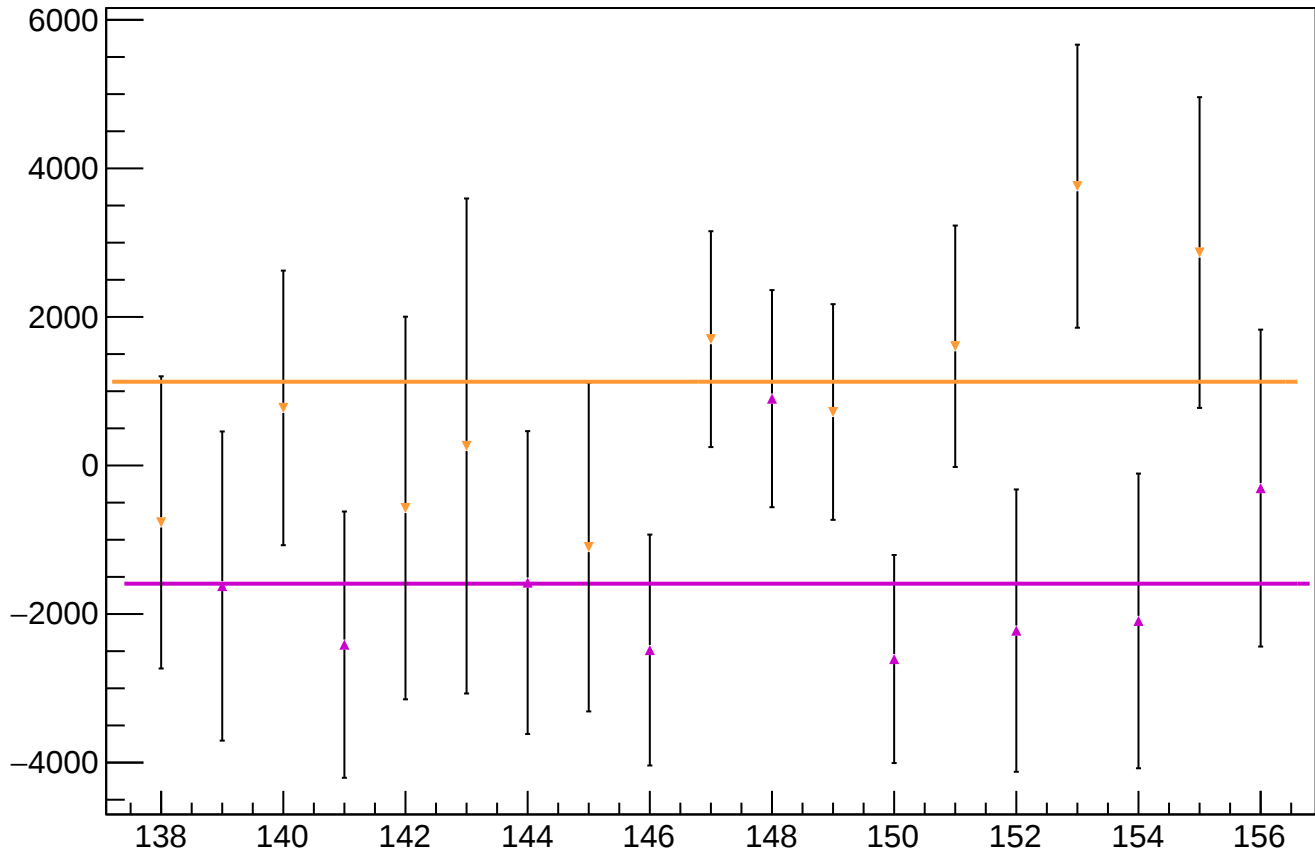
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1114.758+/-0.294 χ^2/NDF : 8701.8/8

1121.822+/-0.292 χ^2/NDF : 10324.7/9

1114.758+/-0.294 χ^2/NDF : 8701.8/8

asym_us_agg_avg_mean vs Slug



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

Left Out: 1127.803+/-594.807 χ^2/NDF : 5.4/9

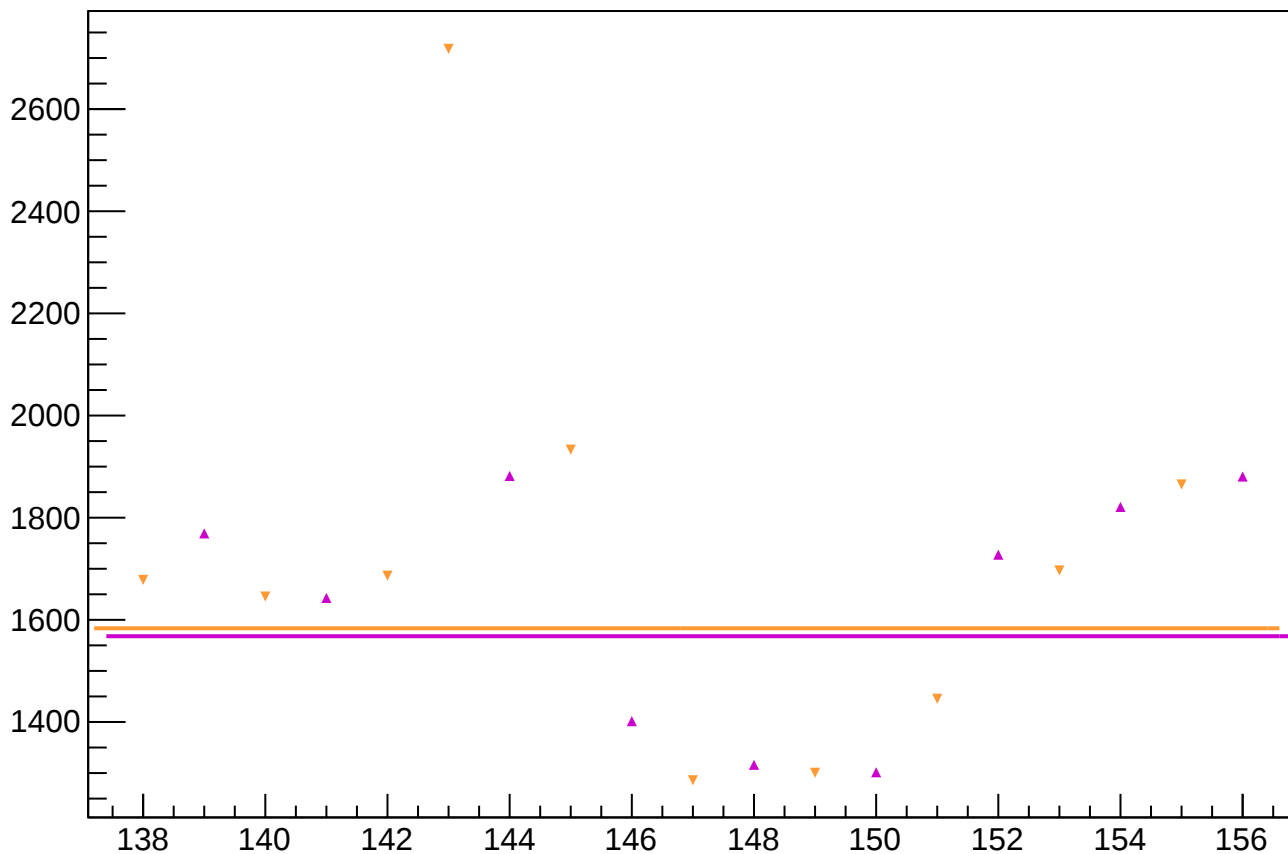
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1591.216+/-584.713 χ^2/NDF : 4.5/8

1127.803+/-594.807 χ^2/NDF : 5.4/9

-1591.216+/-584.713 χ^2/NDF : 4.5/8

asym_us_agg_avg_rms vs Slug



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

Left Out: 1583.447+/-0.421 χ^2/NDF : 509361.8/9

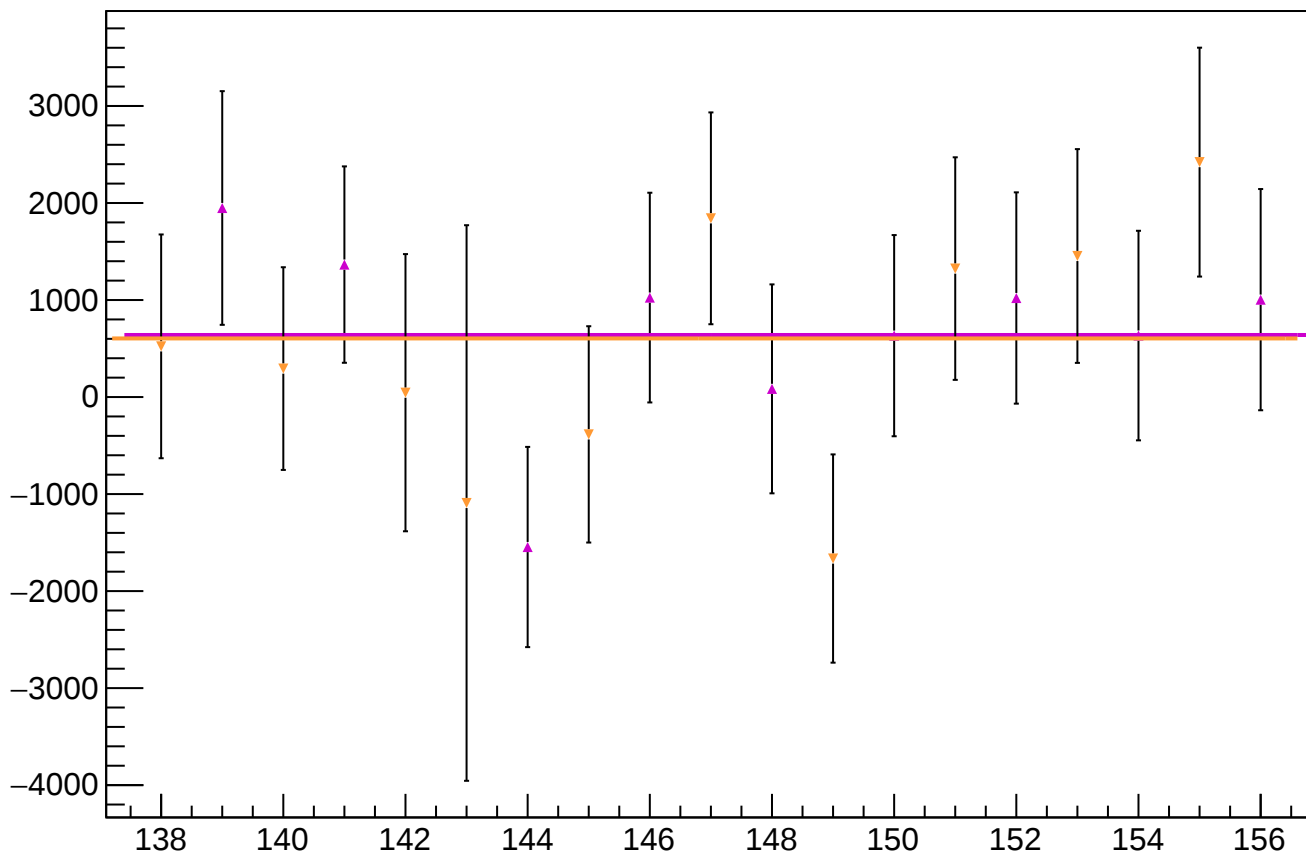
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1567.937+/-0.413 χ^2/NDF : 313747.4/8

1583.447+/-0.421 χ^2/NDF : 509361.8/9

1567.937+/-0.413 χ^2/NDF : 313747.4/8

asym_us_agg_dd_mean vs Slug



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

Left Out: 604.119+/-375.422 χ^2/NDF : 10.5/9

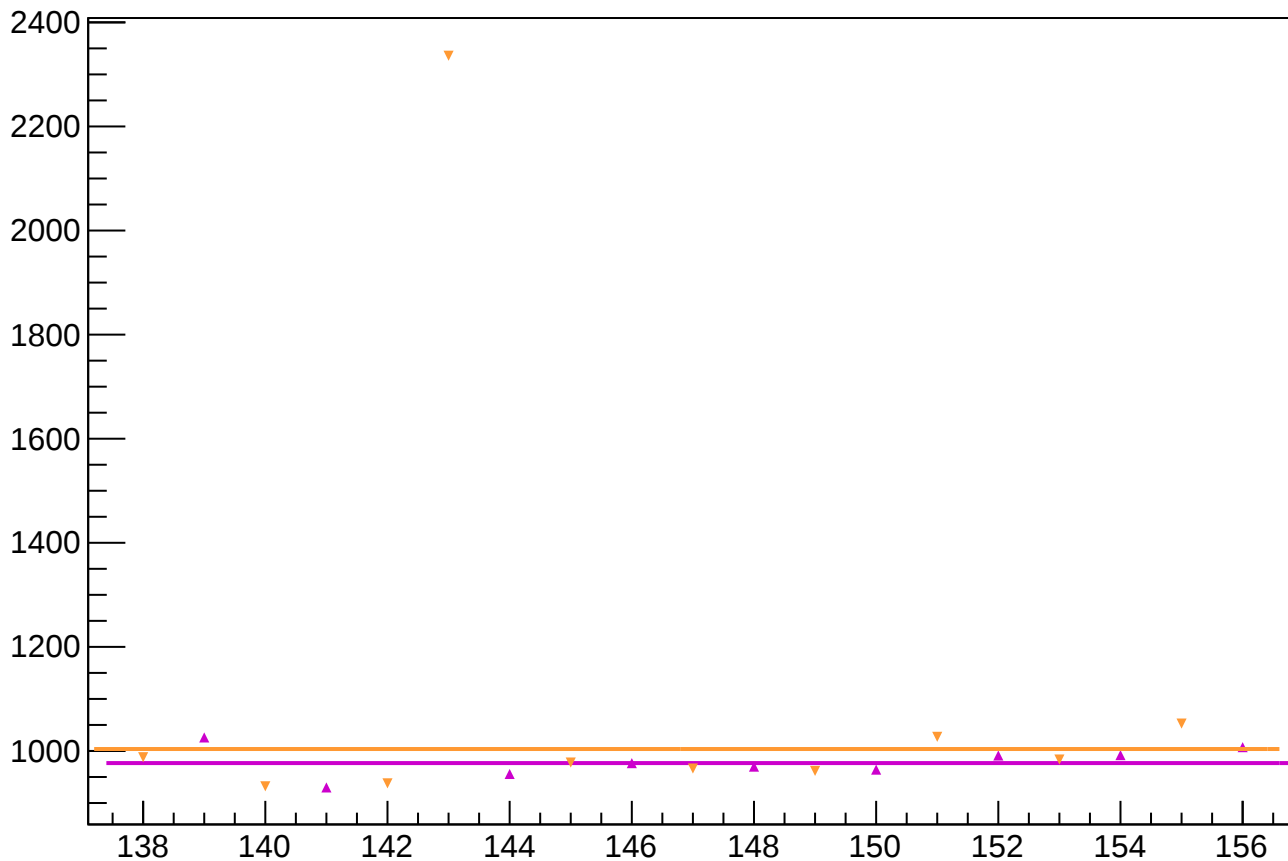
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 639.635+/-359.819 χ^2/NDF : 6.8/8

604.119+/-375.422 χ^2/NDF : 10.5/9

639.635+/-359.819 χ^2/NDF : 6.8/8

asym_us_agg_dd_rms vs Slug



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

Left Out: 1003.754+/-0.265 χ^2/NDF : 458451.5/9

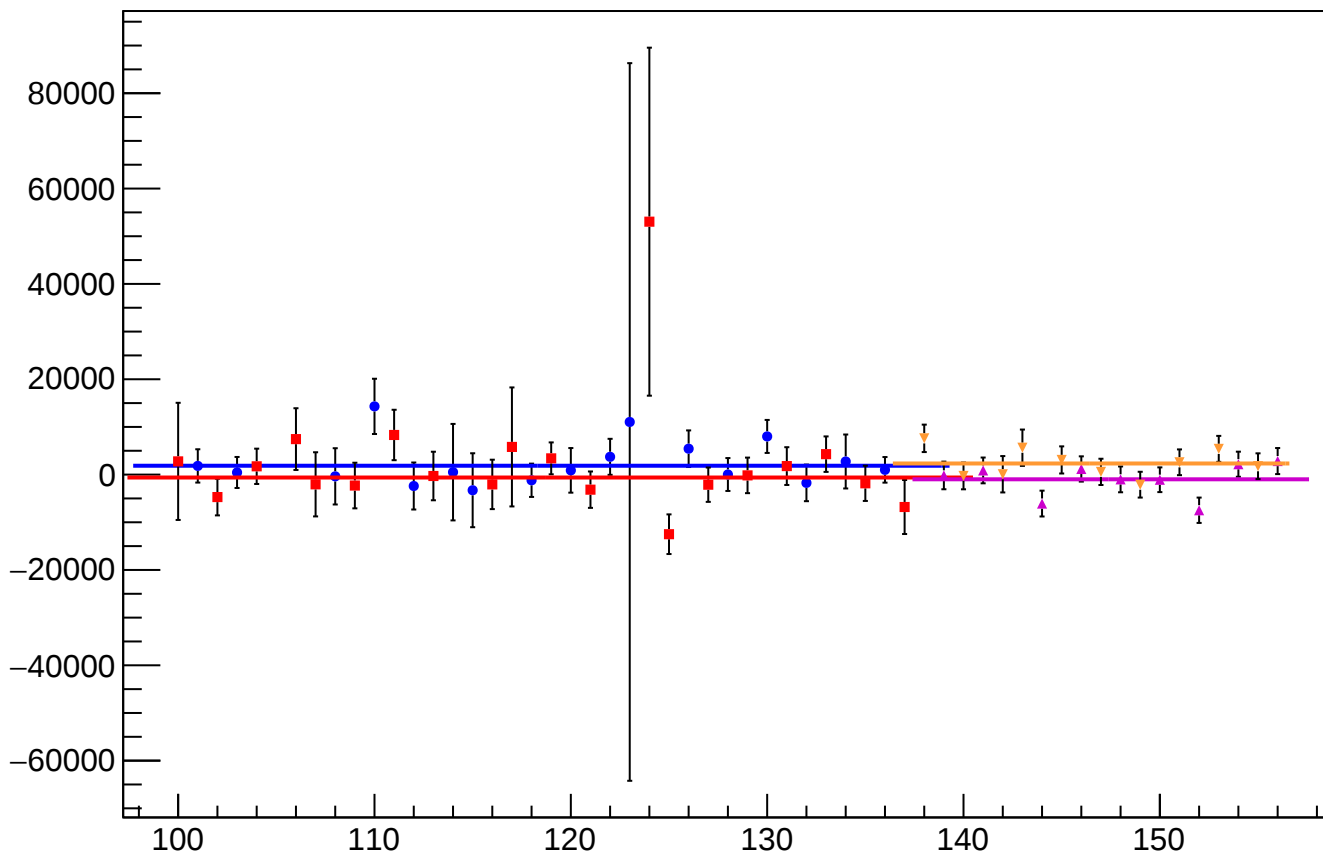
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 976.731+/-0.254 χ^2/NDF : 11020.5/8

1003.754+/-0.265 χ^2/NDF : 458451.5/9

976.731+/-0.254 χ^2/NDF : 11020.5/8

reg_asym_atl1_mean vs Slug



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

Left Out: 2332.244 $\pm$ 918.201 χ^2 /NDF:9.8/9

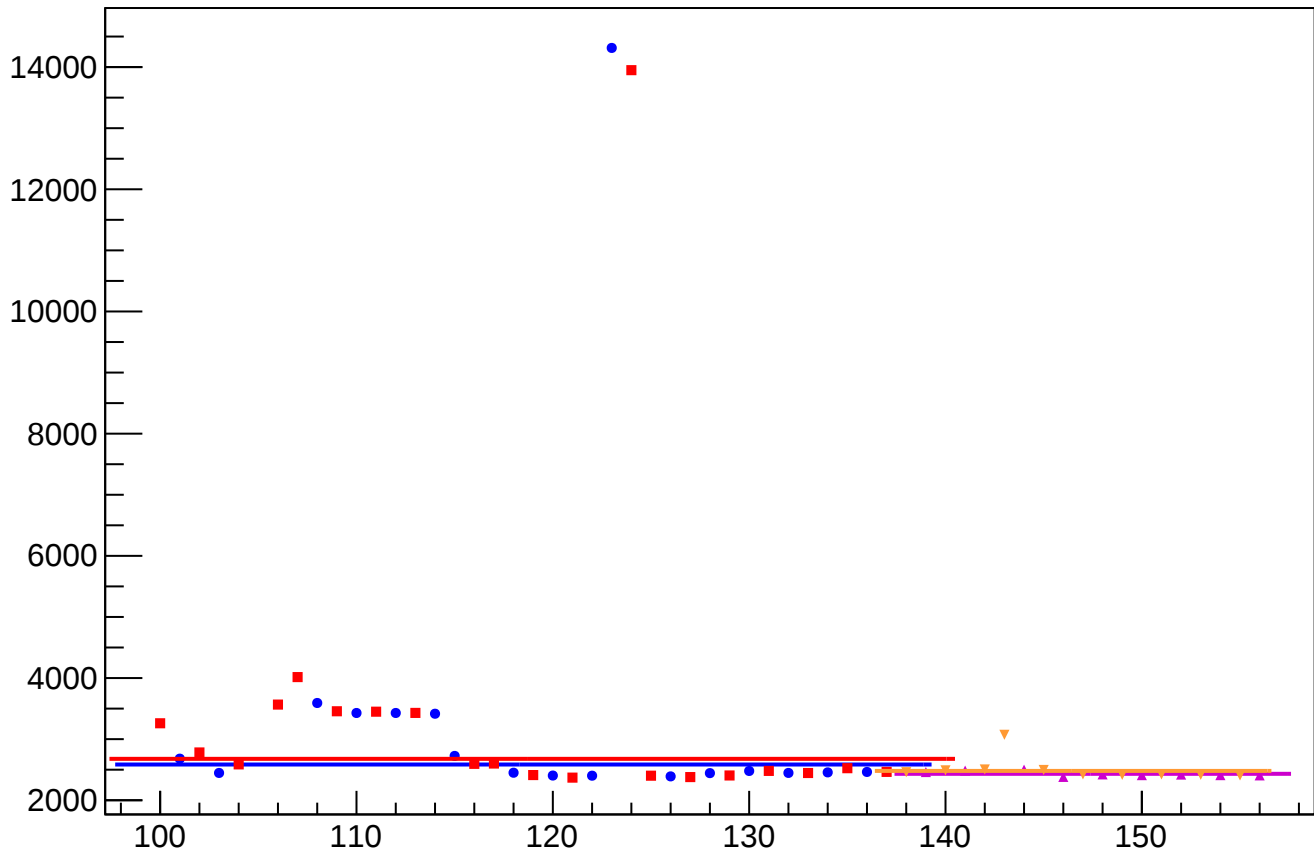
Right Out: -611.041 $\pm$ 1020.345 χ^2 /NDF: 22.3/19

Left In: -985.853 $\pm$ 898.135 χ^2 /NDF:14.1/8

2119.244 $\pm$ 680.451 χ^2 /NDF: 22.5/26

-822.227 $\pm$ 674.166 χ^2 /NDF: 36.5/28

reg_asym_atl1_rms vs Slug



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

Left Out: 2480.107+/-0.649 χ^2/NDF : 53948.7/9

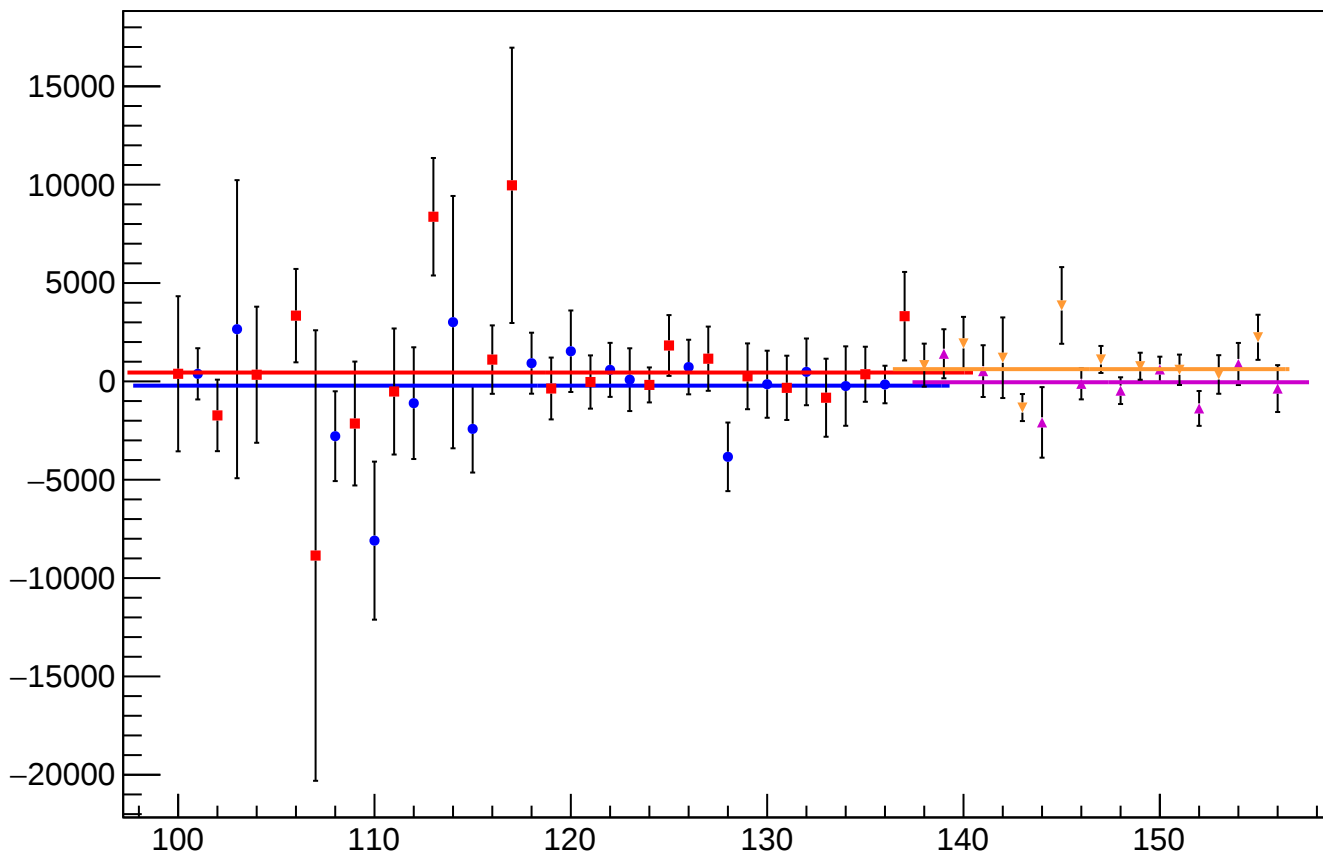
Right Out: 2677.711+/-0.721 χ^2/NDF : 532173.5/19

Left In: 2432.544+/-0.635 χ^2/NDF : 3470.6/8

2527.312+/-0.481 χ^2/NDF : 321385.1/26

2539.573+/-0.477 χ^2/NDF : 600703.2/28

asym_atl1_correction_mean vs Slug



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

Left Out: 622.361 ± 292.080 χ^2/NDF : 14.5/9

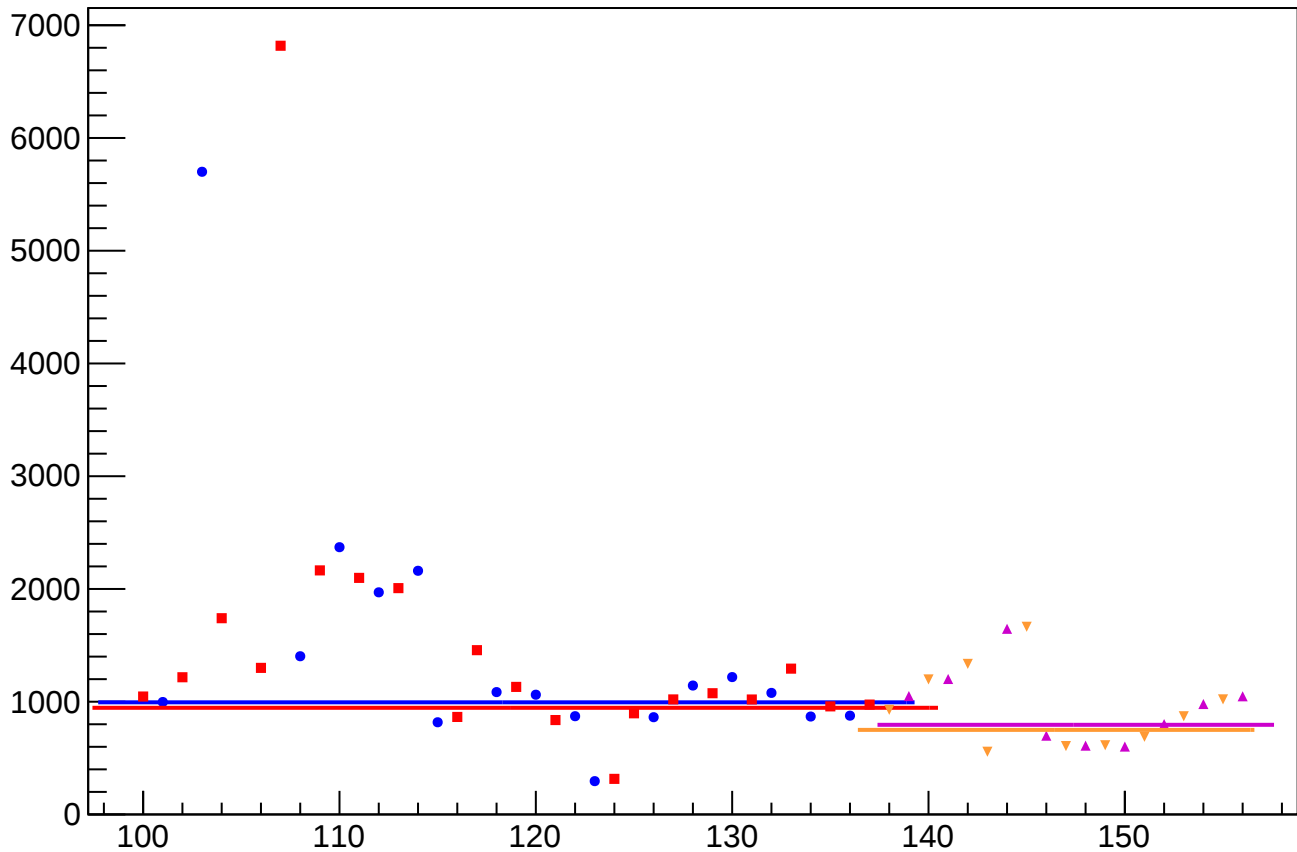
Right Out: 449.702 ± 408.279 χ^2/NDF : 17.5/19

Left In: -43.635 ± 308.302 χ^2/NDF : 7.3/8

348.814 ± 239.810 χ^2/NDF : 30.6/26

135.517 ± 246.035 χ^2/NDF : 25.8/28

asym_atl1_correction_rms vs Slug



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

Left Out: 750.101+/-0.207 χ^2/NDF :1356388.4/9

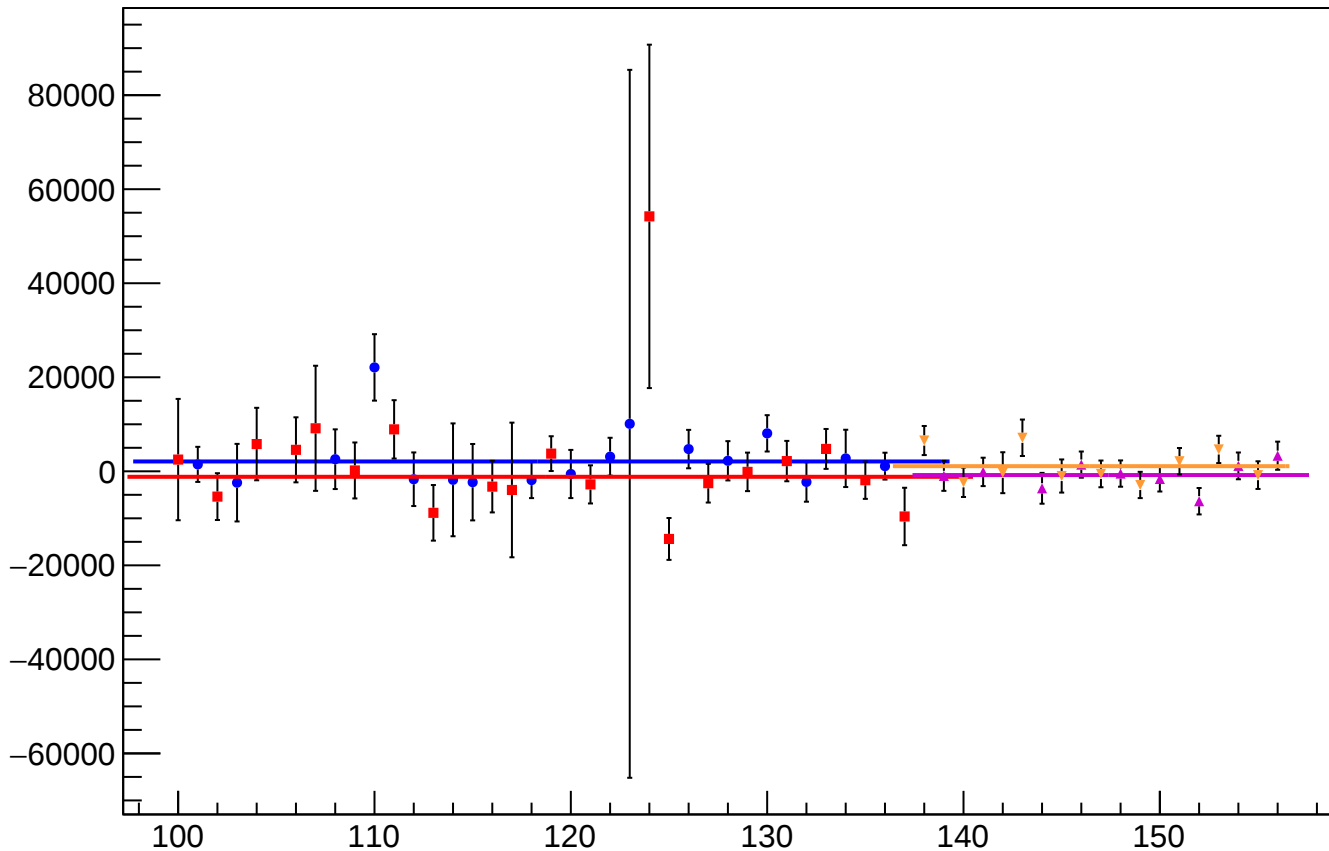
829.762+/-0.170 χ^2/NDF : 3717441.8/26

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

849.865+/-0.174 χ^2/NDF : 4080178.5/28

Left In: 795.030+/-0.218 χ^2/NDF :1229239.5/8

asym_atl1_mean vs Slug



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

Left Out: 1090.843 ± 990.847 χ^2/NDF : 11.6/9

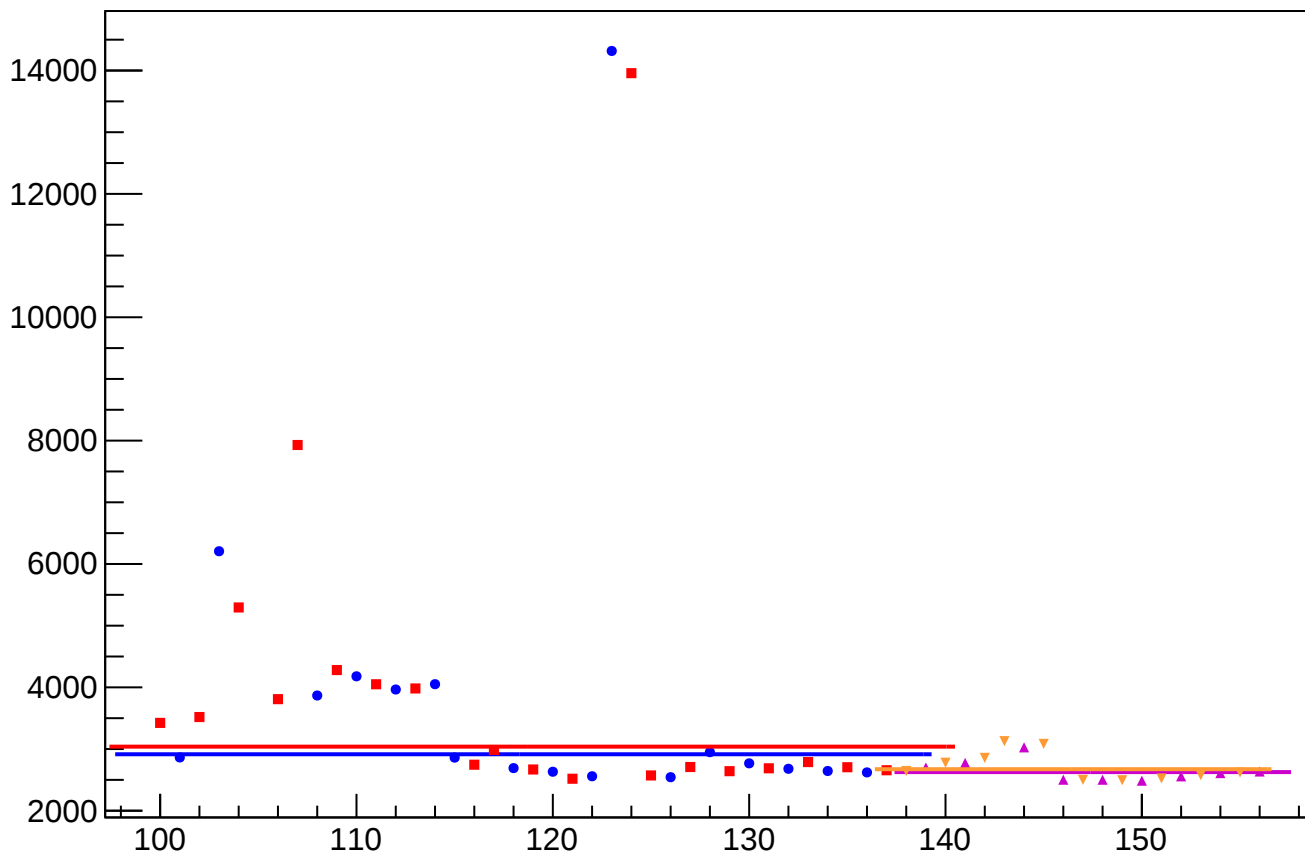
Right Out: -1167.038 ± 1182.950 χ^2/NDF : 25.2/19

Left In: -797.194 ± 971.303 χ^2/NDF : 7.8/8

1513.855 ± 753.526 χ^2/NDF : 26.7/26

-946.128 ± 750.678 χ^2/NDF : 33.1/28

asym_atl1_rms vs Slug



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

Left Out: 2672.881+/-0.701 χ^2 /NDF:84654.3/9

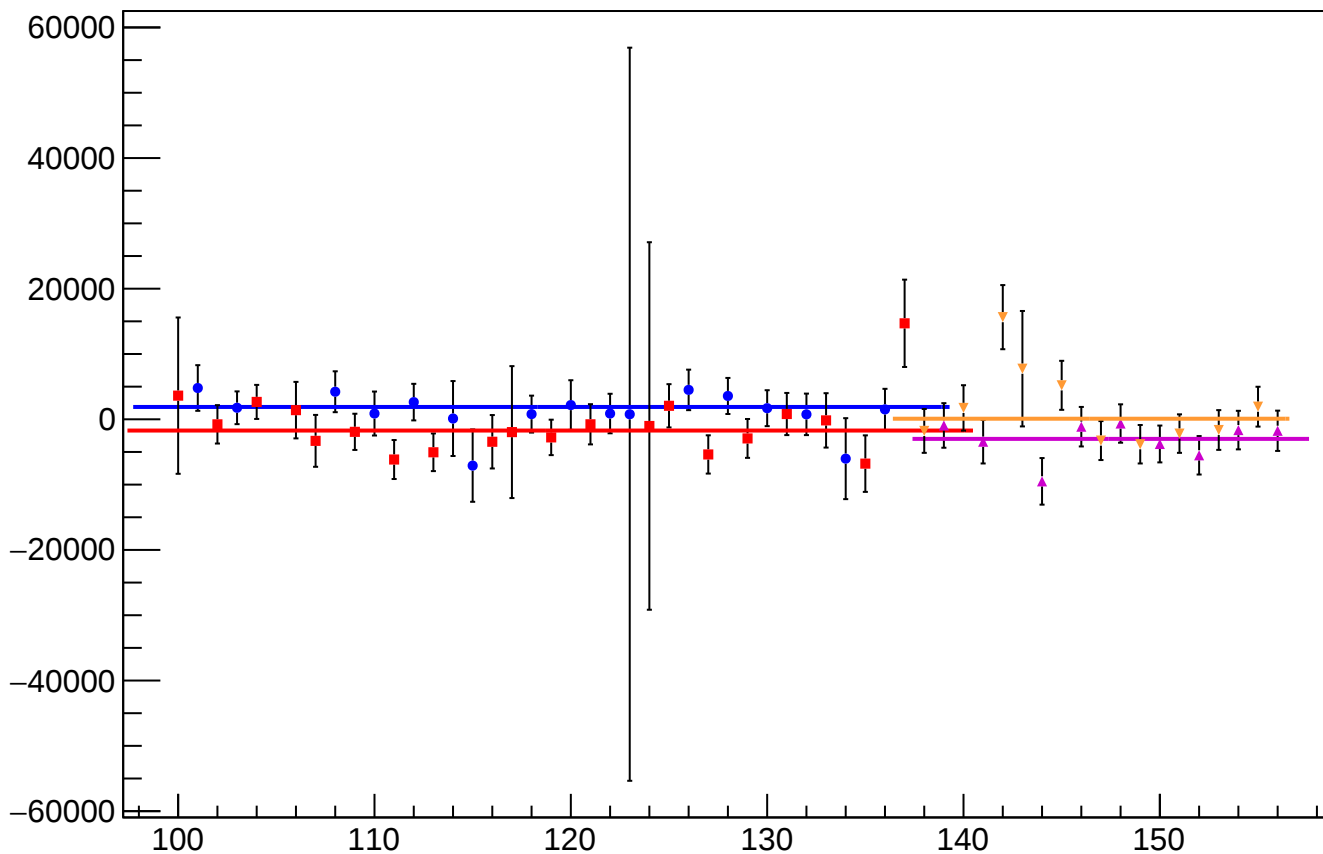
Right Out: 3038.763+/-0.836 χ^2 /NDF: 1011412.5/19

Left In: 2626.144+/-0.687 χ^2 /NDF:50384.2/8

2775.057+/-0.533 χ^2 /NDF: 774228.7/26

2792.303+/-0.531 χ^2 /NDF: 1207139.1/28

reg_asym_atl2_mean vs Slug



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

Left Out: 89.467+/-1081.502 χ^2 /NDF:17.5/9

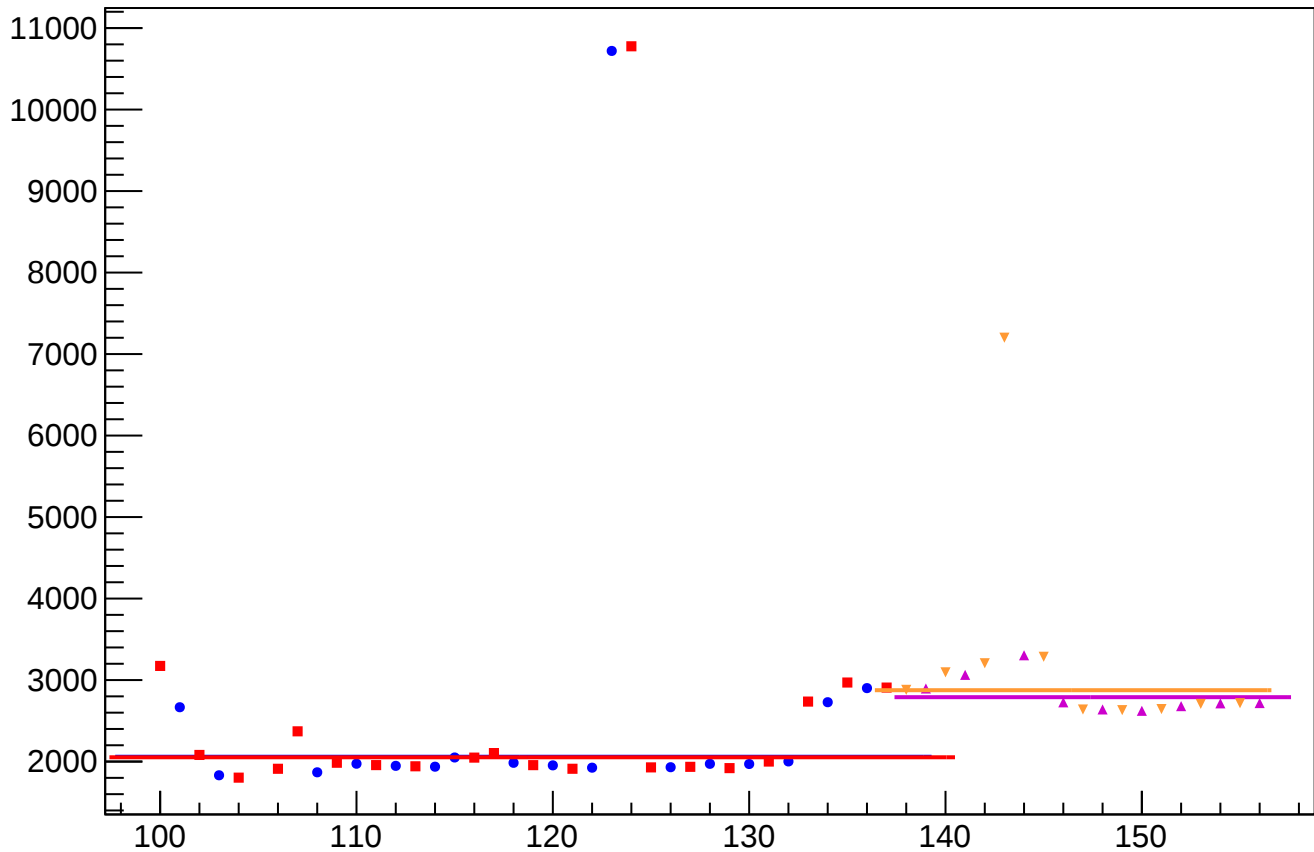
Right Out: -1720.591+/-787.704 χ^2 /NDF: 19.0/19

Left In: -2998.293+/-1031.196 χ^2 /NDF:5.9/8

1241.461+/-649.057 χ^2 /NDF: 26.5/26

-2191.410+/-625.970 χ^2 /NDF: 25.8/28

reg_asym_atl2_rms vs Slug



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

Left Out: 2875.509+/-0.765 χ^2/NDF : 570265.8/9

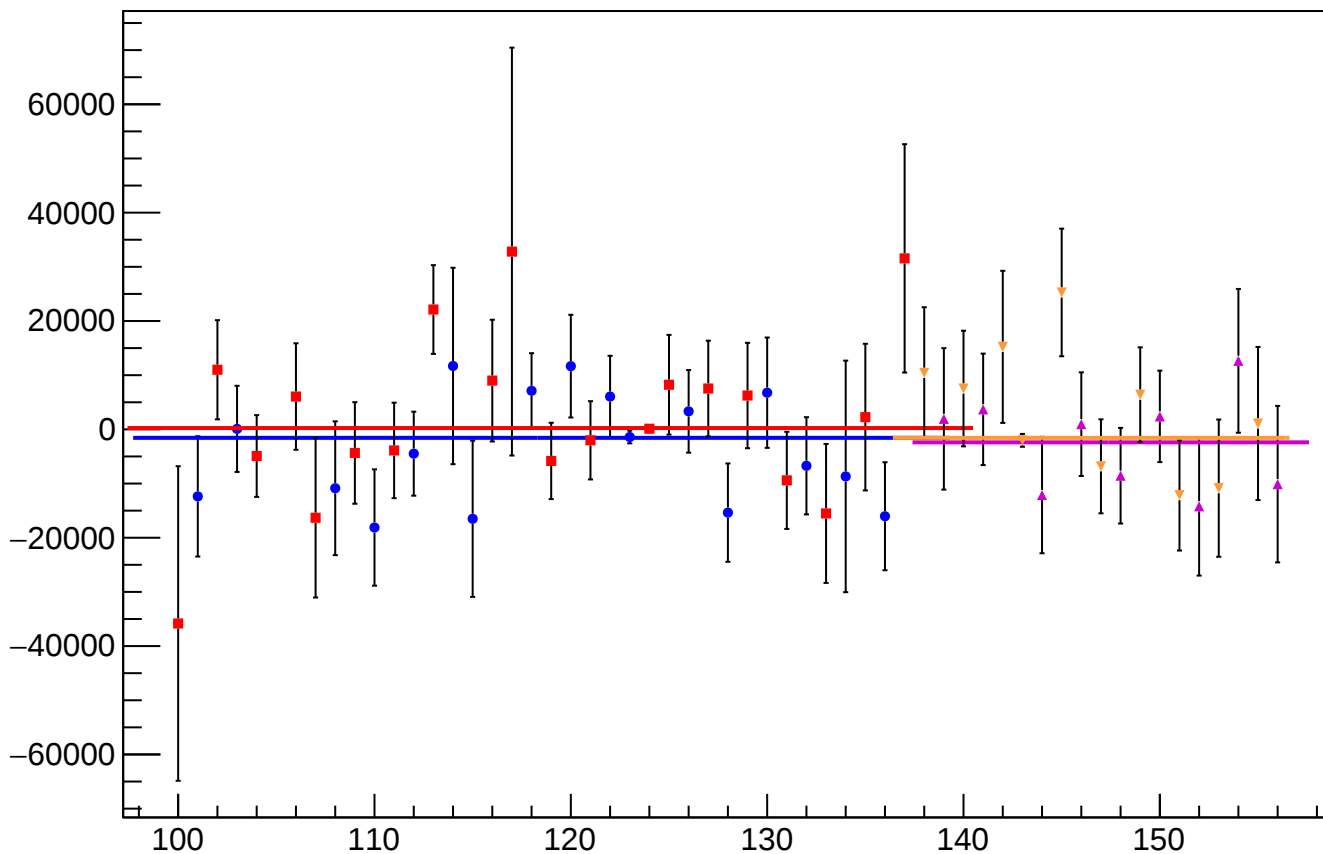
Right Out: 2052.576+/-0.557 χ^2/NDF : 443374.3/19

Left In: 2789.935+/-0.729 χ^2/NDF : 75337.0/8

2353.061+/-0.459 χ^2/NDF : 1618282.7/26

2324.283+/-0.443 χ^2/NDF : 1164497.6/28

asym_atl2_correction_mean vs Slug



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

Left Out: -1565.240 ± 1125.061 χ^2/NDF : 11.3/9

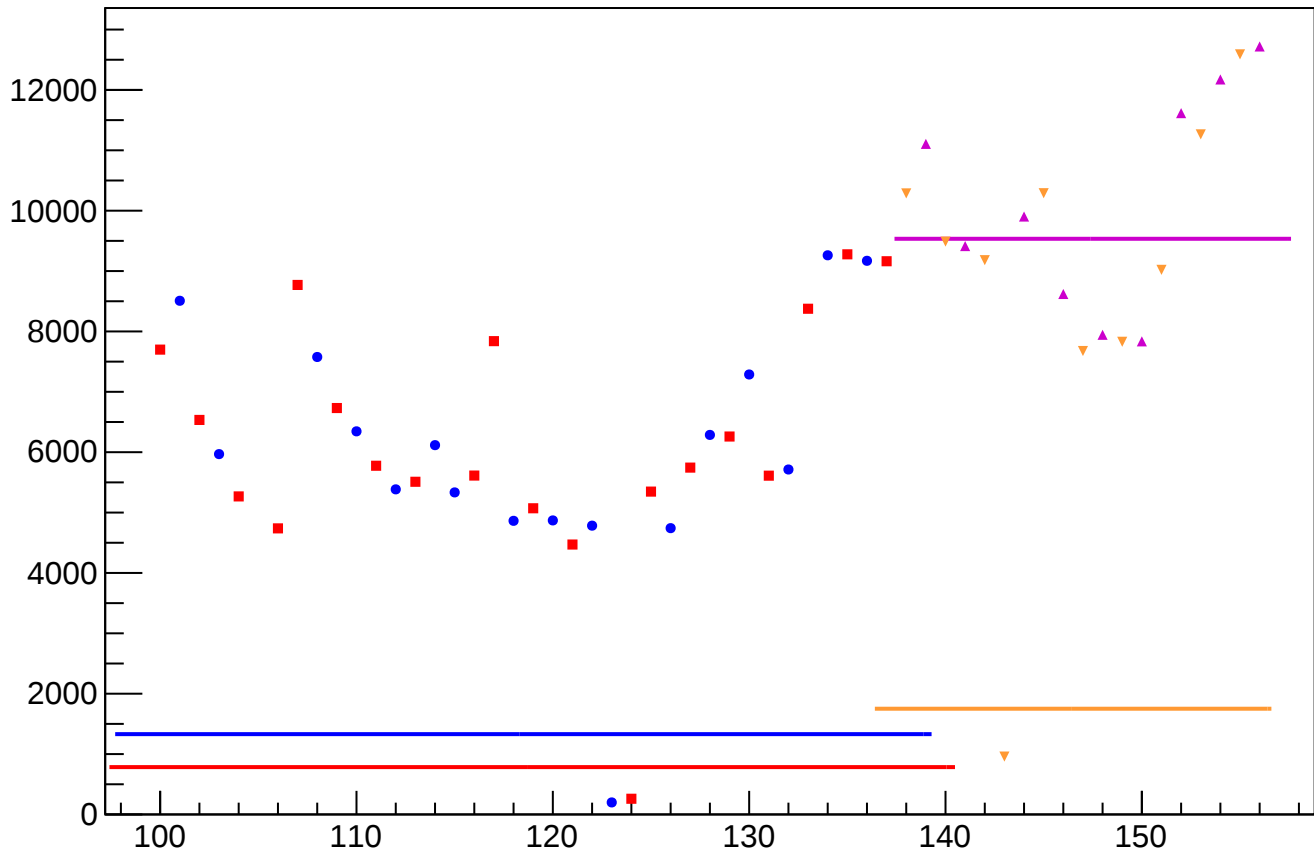
Right Out: 247.306 ± 695.049 χ^2/NDF : 21.6/19

Left In: -2393.384 ± 3572.151 χ^2/NDF : 4.6/8

-1564.163 ± 769.165 χ^2/NDF : 27.5/26

150.979 ± 682.254 χ^2/NDF : 26.7/28

asym_atl2_correction_rms vs Slug



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

Left Out: 1751.273+/-0.796 χ^2/NDF : 9770244.0/9

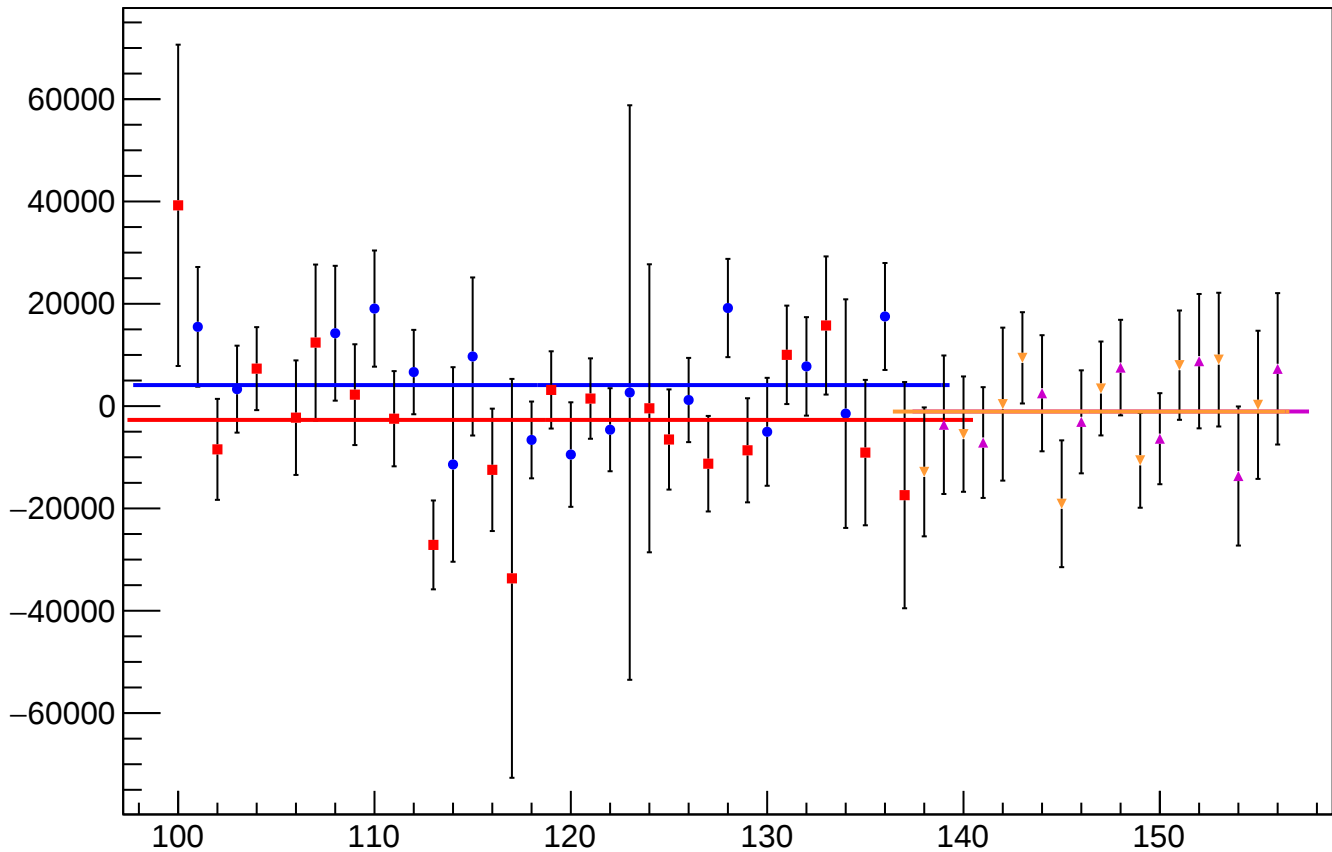
Right Out: 784.254+/-0.491 χ^2/NDF : 11510186.9/19

Left In: 9534.653+/-2.526 χ^2/NDF : 425170.1/8

1527.035+/-0.544 χ^2/NDF : 19966246.9/26

1103.453+/-0.482 χ^2/NDF : 23498814.7/28

asym_atl2_mean vs Slug



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

Left Out: -1066.787 $\pm$ 3522.130 χ^2 /NDF: 7.2/9

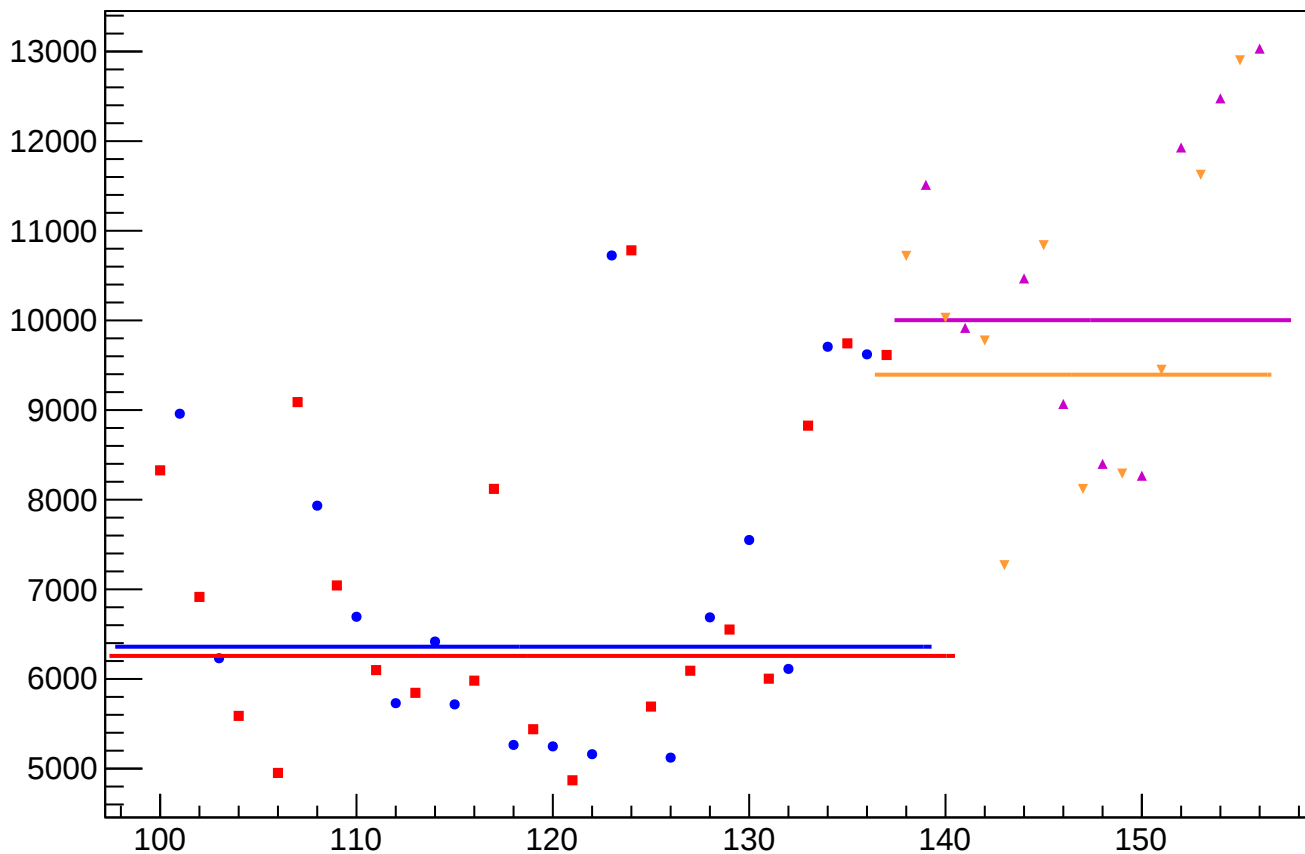
Right Out: -2697.106 $\pm$ 2415.828 χ^2 /NDF: 20.6/19

Left In: -1051.704 $\pm$ 3740.106 χ^2 /NDF: 3.4/8

2345.126 $\pm$ 2057.201 χ^2 /NDF: 22.9/26

-2212.712 $\pm$ 2029.306 χ^2 /NDF: 24.2/28

asym_atl2_rms vs Slug



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

Left Out: 9394.781+/-2.491 χ^2/NDF : 412950.7/9

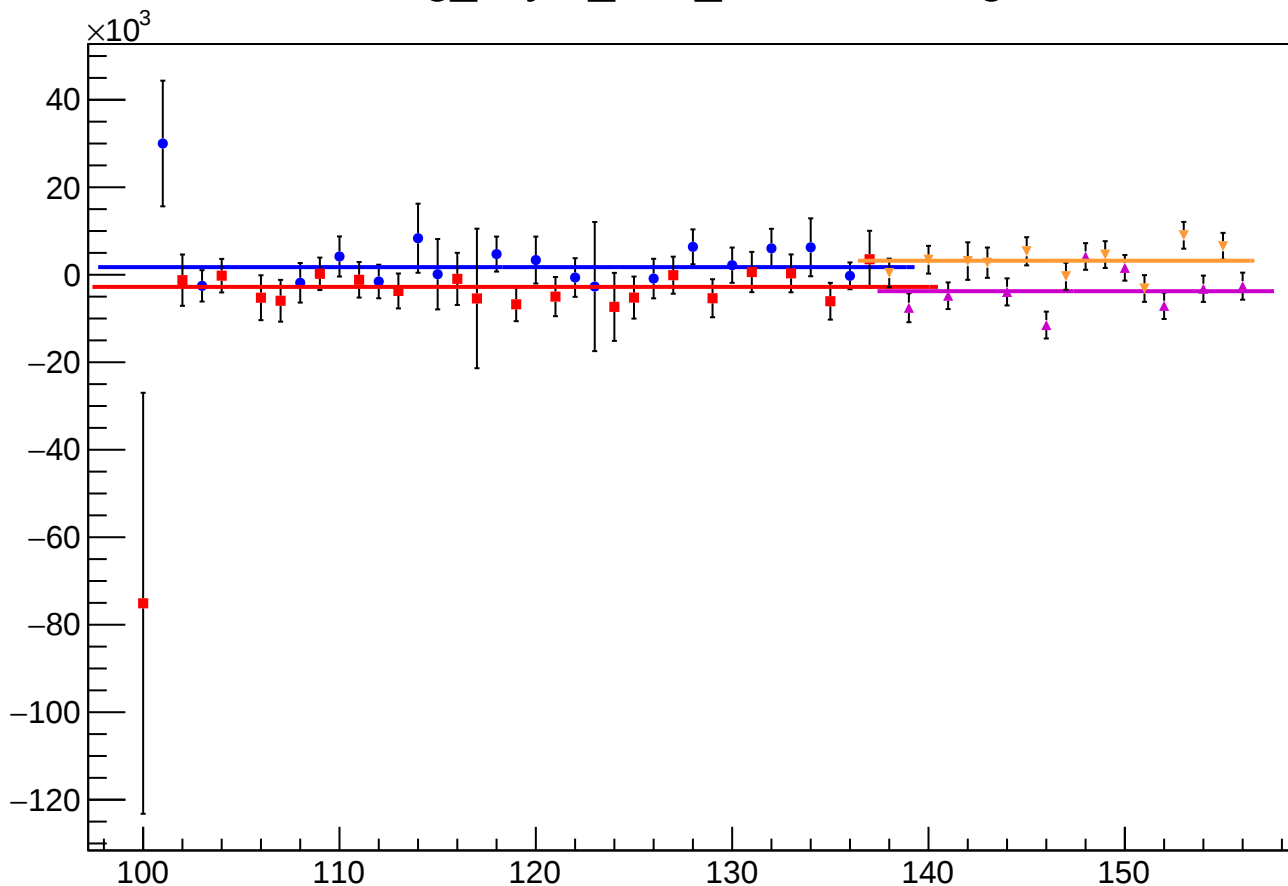
Right Out: 6257.232+/-1.708 χ^2/NDF : 537553.3/19

Left In: 10002.772+/-2.645 χ^2/NDF : 373666.0/8

7395.255+/-1.455 χ^2/NDF : 1971748.2/26

7359.821+/-1.435 χ^2/NDF : 2326575.8/28

reg_asym_atr1_mean vs Slug



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

Left Out: 3212.267+/-1021.596 χ^2/NDF : 11.8/9

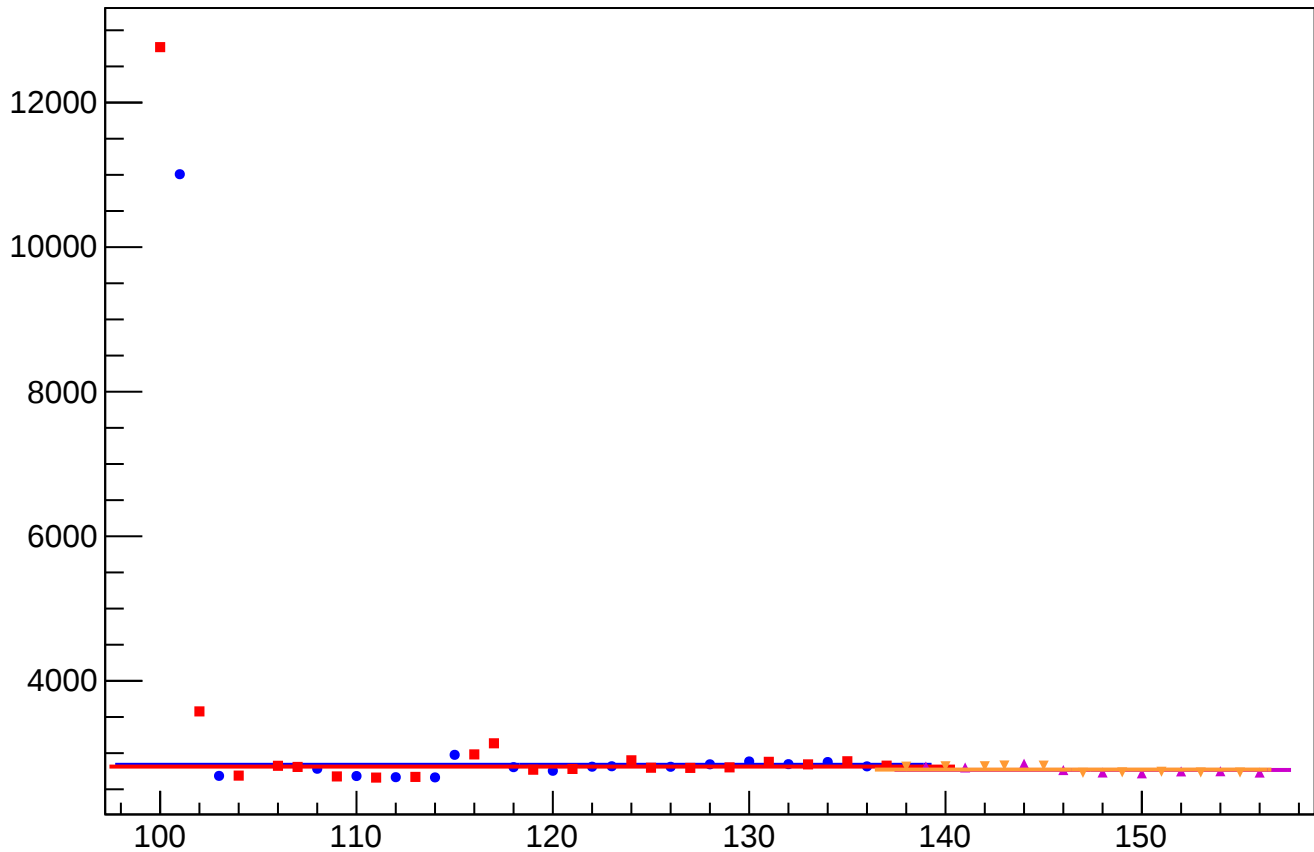
Right Out: -2775.793+/-1069.534 χ^2/NDF : 9.7/19

Left In: -3755.031+/-1020.911 χ^2/NDF : 19.3/8

2551.872+/-757.366 χ^2/NDF : 25.0/26

-3288.176+/-738.484 χ^2/NDF : 29.5/28

reg_asym_atr1_rms vs Slug



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

Left Out: 2772.550+/-0.722 χ^2/NDF : 3705.4/9

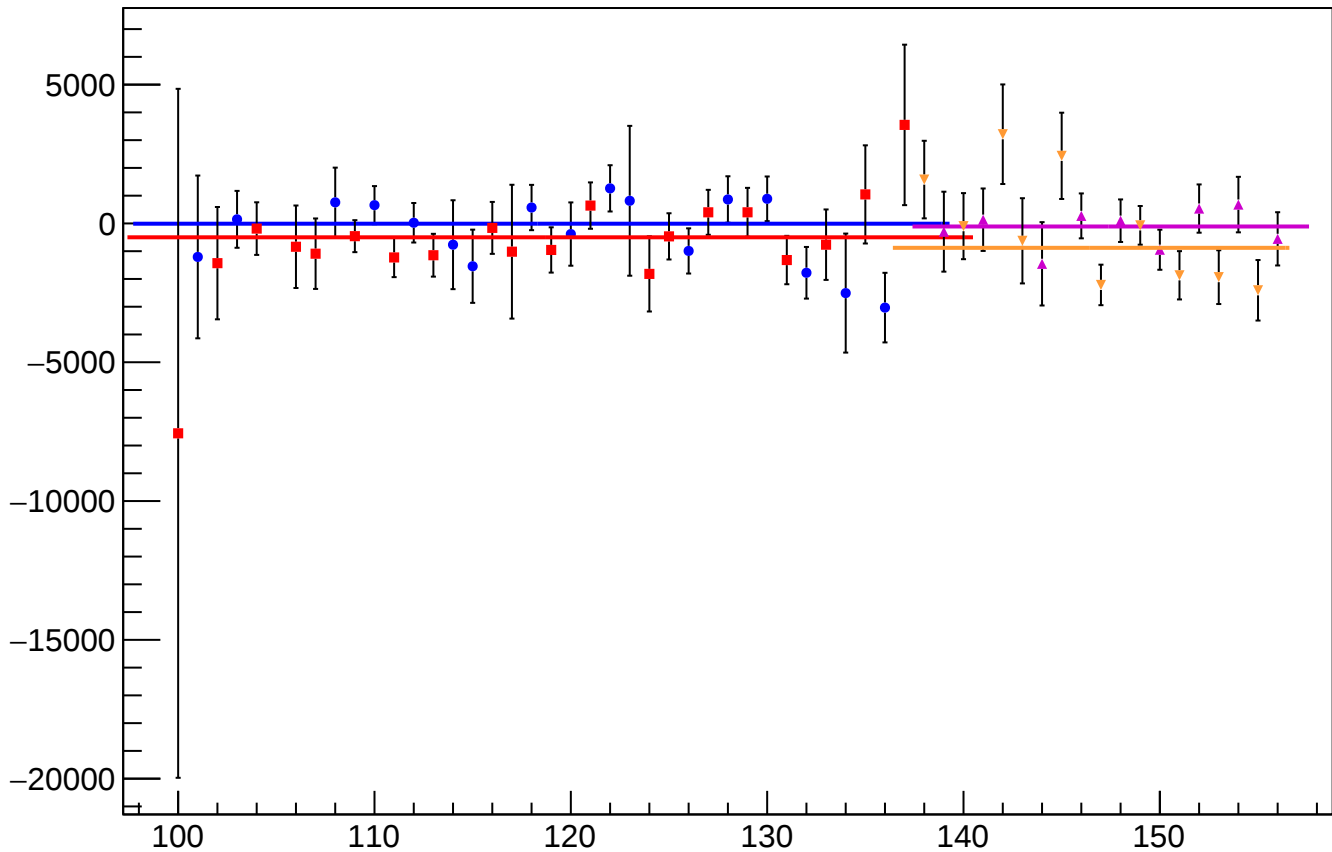
2802.360+/-0.536 χ^2/NDF : 667695.8/26

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

2789.696+/-0.522 χ^2/NDF : 139319.3/28

Left In: 2767.476+/-0.722 χ^2/NDF : 3448.4/8

asym_atr1_correction_mean vs Slug



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

Left Out: -878.762 ± 323.837 χ^2/NDF : 22.5/9

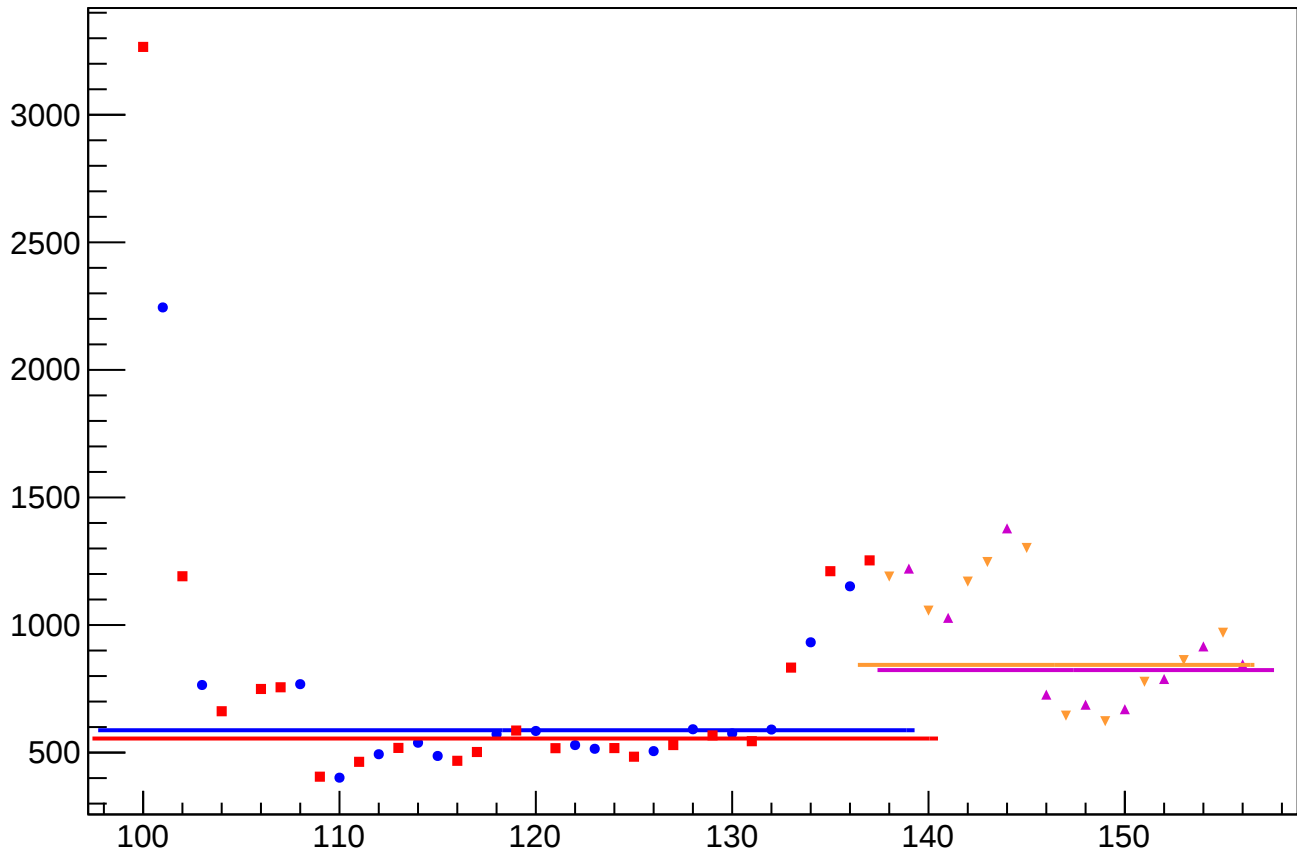
Right Out: -499.625 ± 220.558 χ^2/NDF : 11.9/19

Left In: -110.122 ± 311.955 χ^2/NDF : 3.9/8

-320.676 ± 193.686 χ^2/NDF : 47.8/26

-369.812 ± 180.092 χ^2/NDF : 16.9/28

asym_atr1_correction_rms vs Slug



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

Left Out: 843.733+/-0.229 χ^2/NDF : 953577.7/9

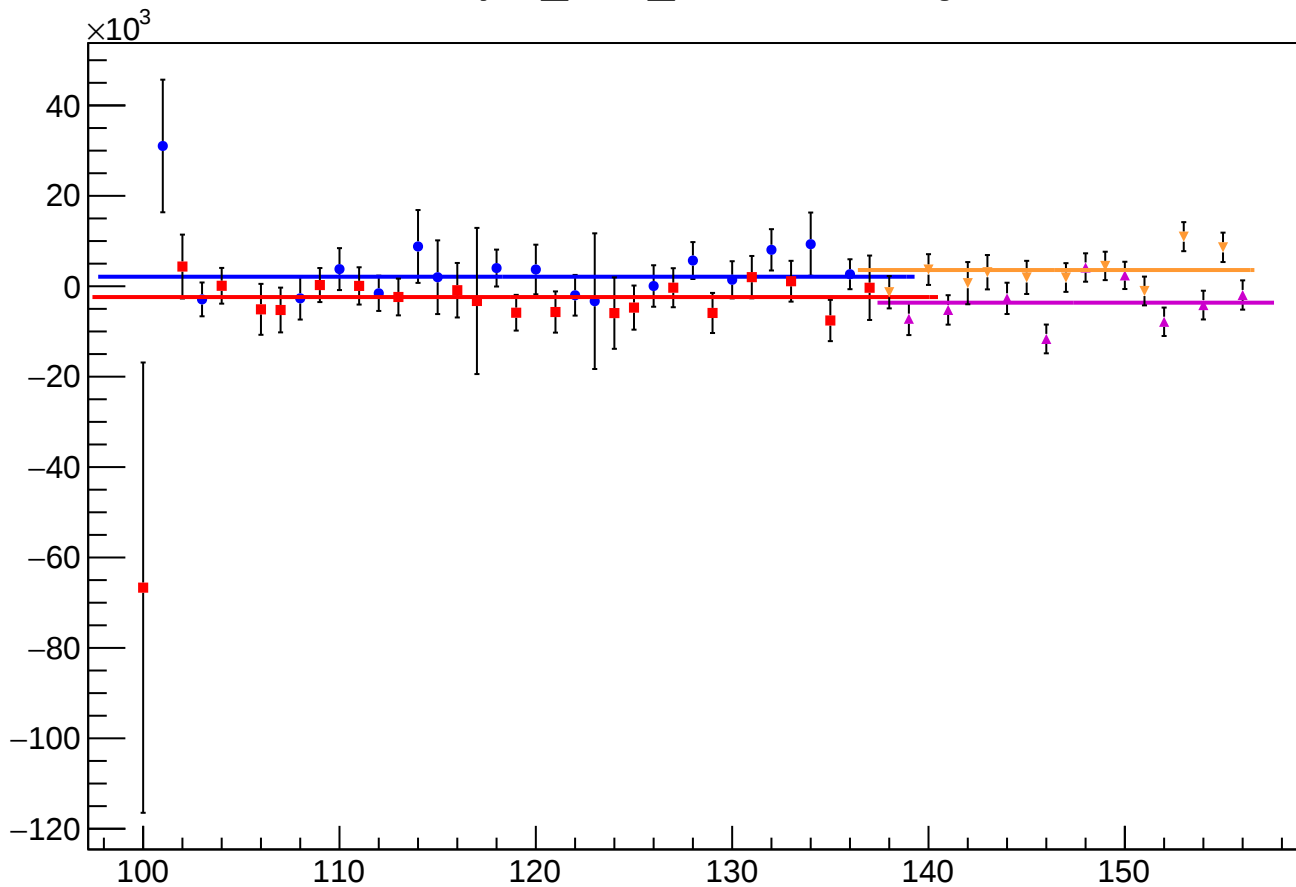
Right Out: 555.088+/-0.156 χ^2/NDF : 1107729.2/19

Left In: 823.366+/-0.221 χ^2/NDF : 695635.3/8

679.222+/-0.137 χ^2/NDF : 3182955.0/26

644.499+/-0.127 χ^2/NDF : 2789556.2/28

asym_atr1_mean vs Slug



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

Left Out: 3587.563 $\pm$ 1088.094 χ^2/NDF : 12.6/9

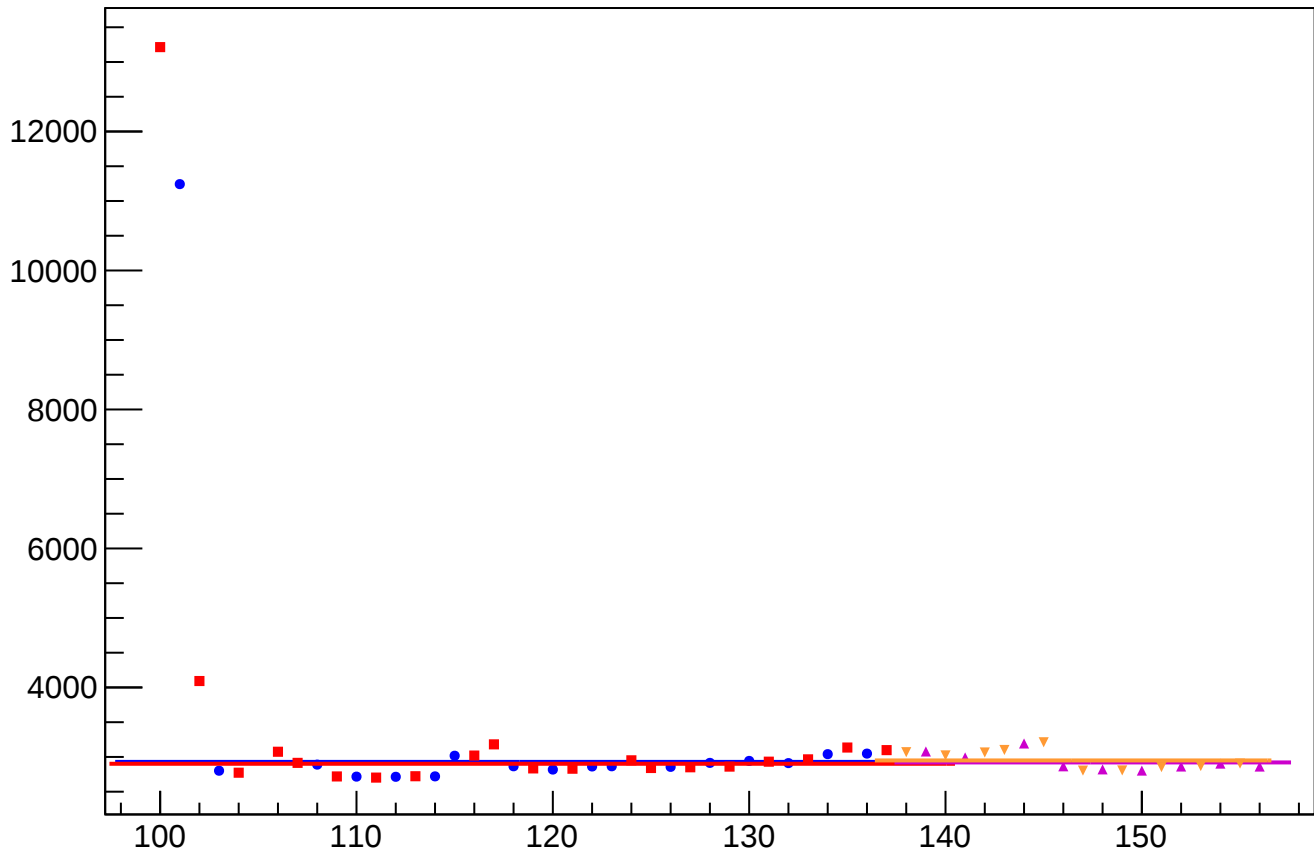
Right Out: -2389.947 $\pm$ 1107.639 χ^2/NDF : 9.9/19

Left In: -3633.576 $\pm$ 1078.331 χ^2/NDF : 19.9/8

2898.038 $\pm$ 794.987 χ^2/NDF : 27.0/26

-3028.432 $\pm$ 772.649 χ^2/NDF : 30.4/28

asym_atr1_rms vs Slug



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

Left Out: 2949.716+/-0.769 χ^2/NDF : 29504.6/9

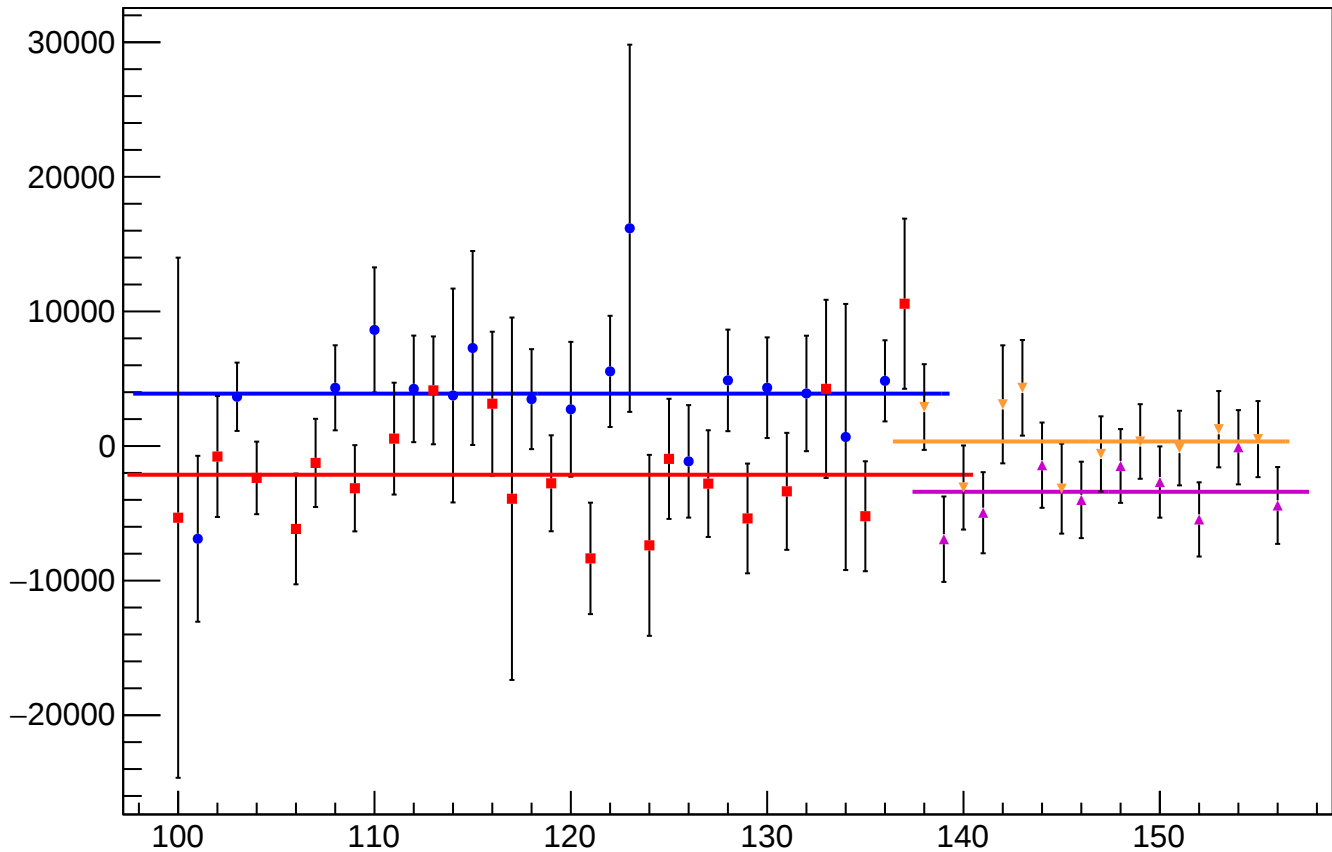
Right Out: 2901.790+/-0.783 χ^2/NDF : 170320.9/19

Left In: 2921.038+/-0.762 χ^2/NDF : 24276.7/8

2939.919+/-0.562 χ^2/NDF : 692215.3/26

2911.672+/-0.546 χ^2/NDF : 194907.6/28

reg_asym_atr2_mean vs Slug



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

Left Out: 338.912 ± 971.296 χ^2/NDF : 4.8/9

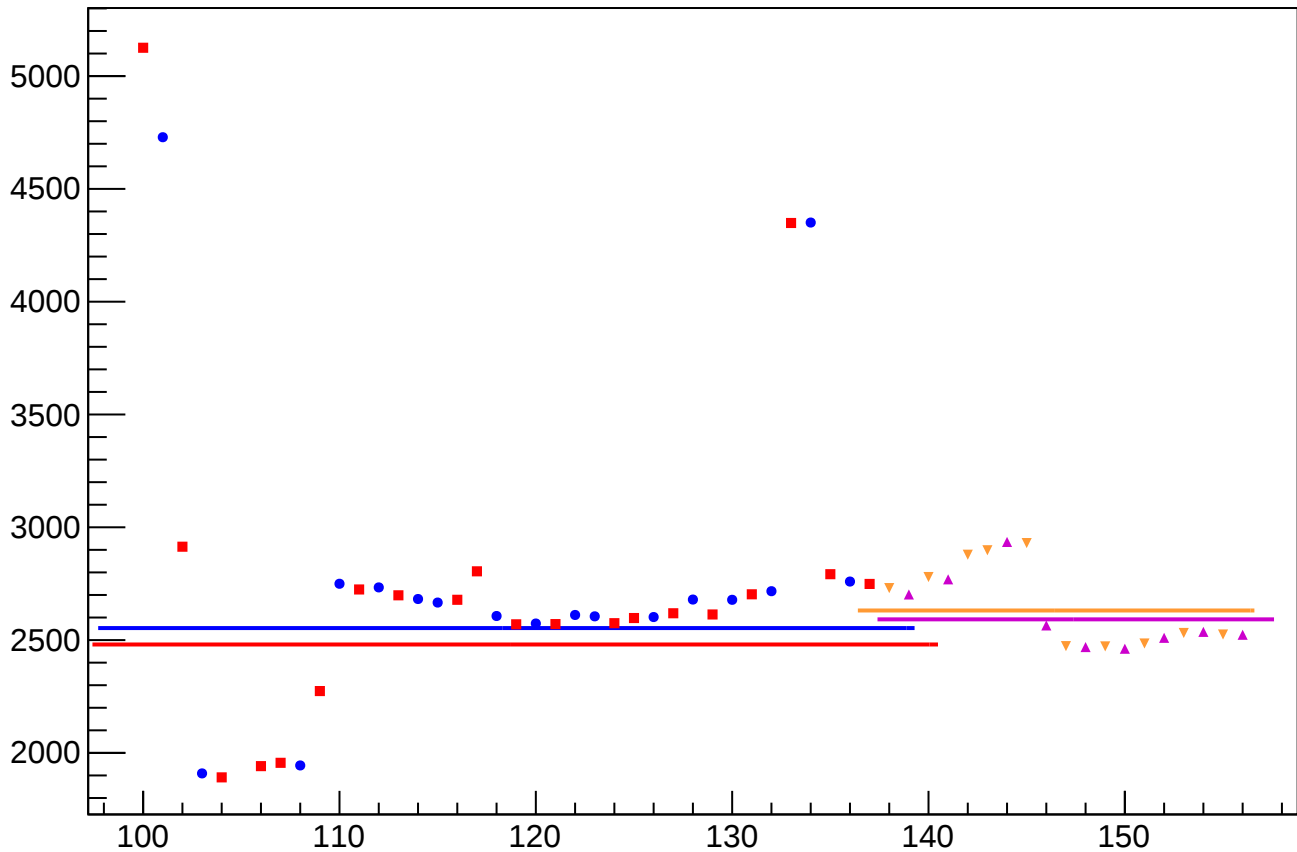
Right Out: -2133.736 ± 955.999 χ^2/NDF : 14.4/19

Left In: -3400.843 ± 955.746 χ^2/NDF : 4.6/8

2043.301 ± 700.665 χ^2/NDF : 18.4/26

-2767.457 ± 675.904 χ^2/NDF : 19.9/28

reg_asym_atr2_rms vs Slug



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

Left Out: 2631.227+/-0.687 χ^2/NDF : 63956.9/9

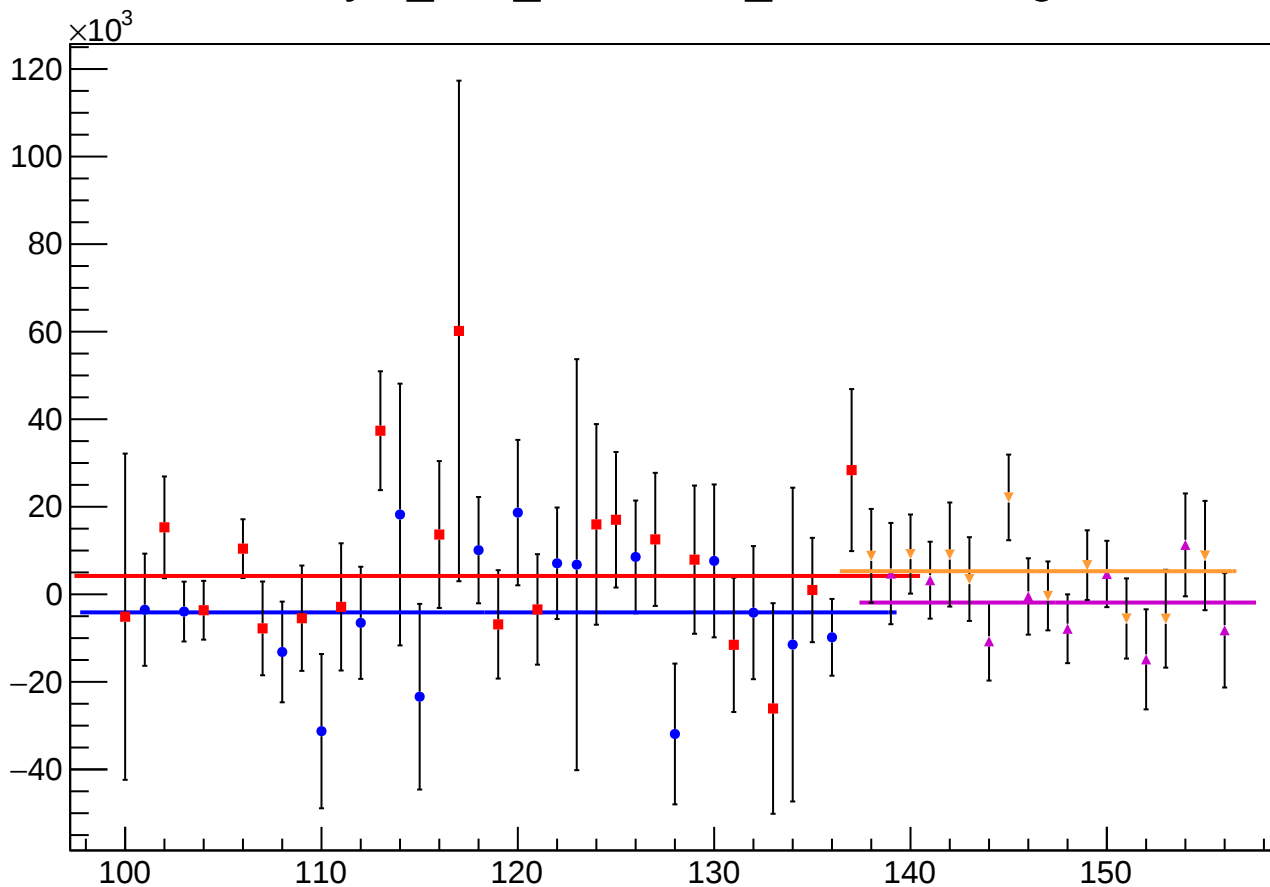
2593.842+/-0.495 χ^2/NDF : 615361.5/26

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

2536.224+/-0.478 χ^2/NDF : 509822.0/28

Left In: 2591.916+/-0.676 χ^2/NDF : 45567.7/8

asym_atr2_correction_mean vs Slug



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

Left Out: 5282.480 ± 3046.959 χ^2/NDF : 6.4/9

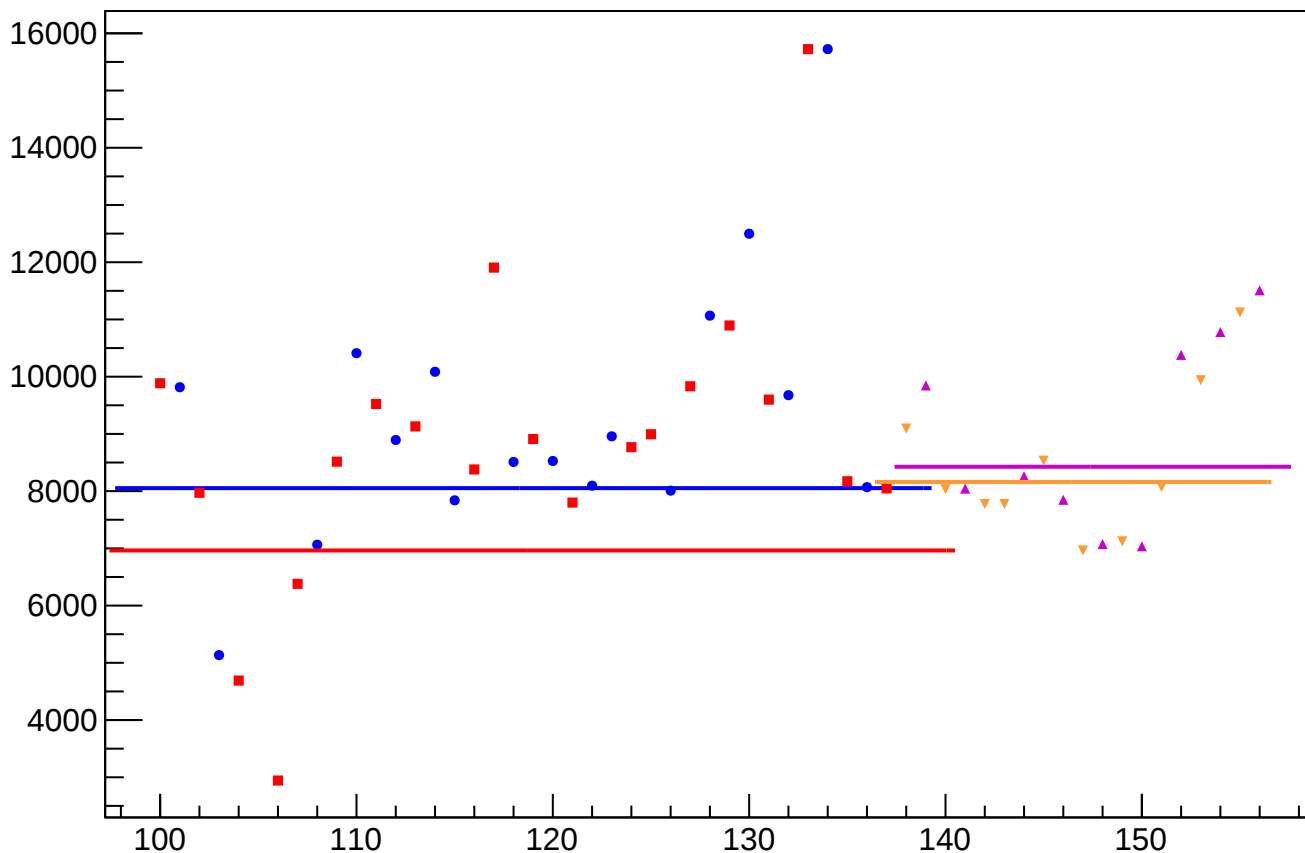
Right Out: 4197.870 ± 2830.850 χ^2/NDF : 19.5/19

Left In: -1881.853 ± 3156.636 χ^2/NDF : 5.8/8

847.921 ± 2215.455 χ^2/NDF : 24.2/26

1487.838 ± 2107.511 χ^2/NDF : 27.3/28

asym_atr2_correction_rms vs Slug



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

Left Out: 8160.199+/-2.155 χ^2/NDF : 267477.1/9

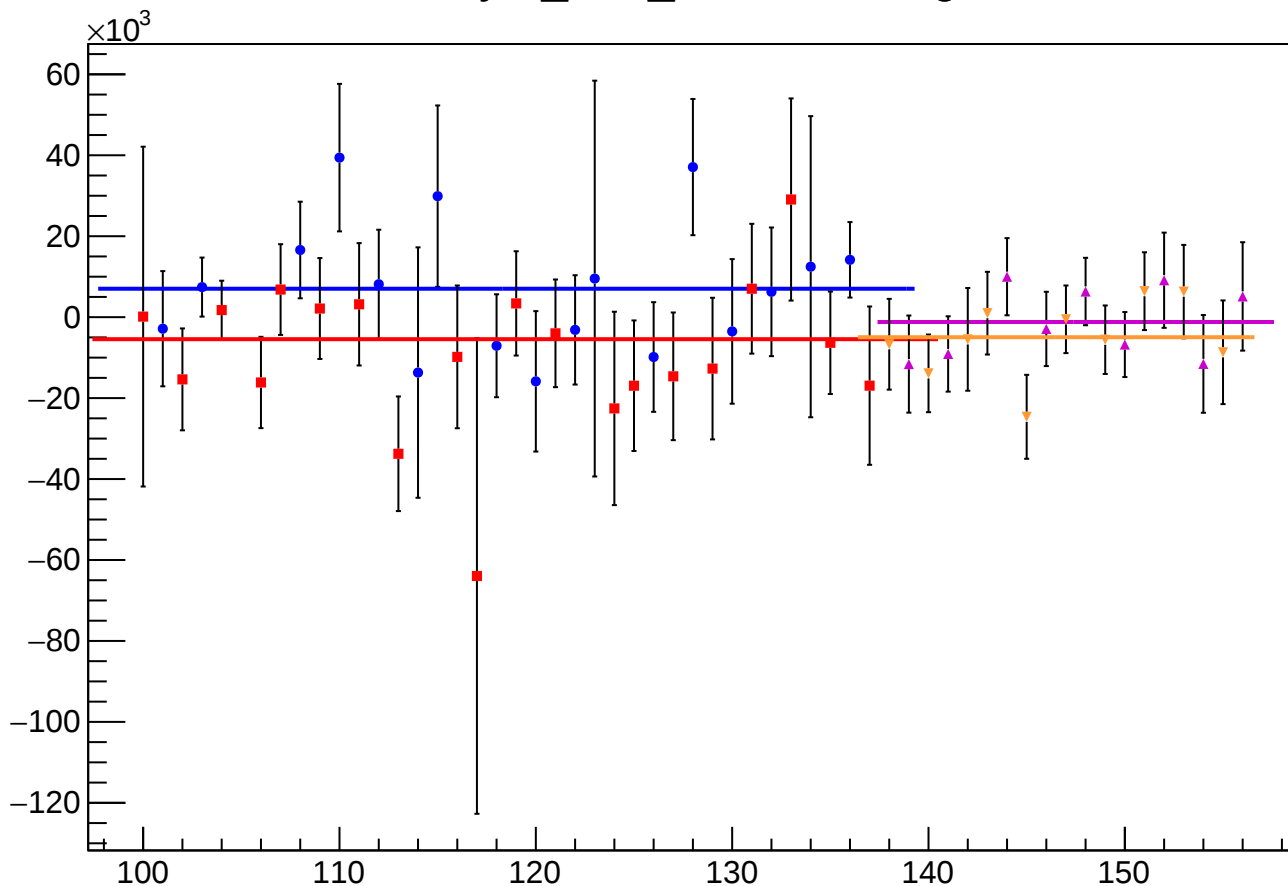
Right Out: 6963.091+/-2.002 χ^2/NDF : 1791563.9/19

Left In: 8426.036+/-2.232 χ^2/NDF : 419818.3/8

8109.463+/-1.567 χ^2/NDF : 1059377.8/26

7615.198+/-1.490 χ^2/NDF : 2449473.3/28

asym_atr2_mean vs Slug



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

Left Out: -4957.613 ± 3217.204 χ^2/NDF : 7.5/9

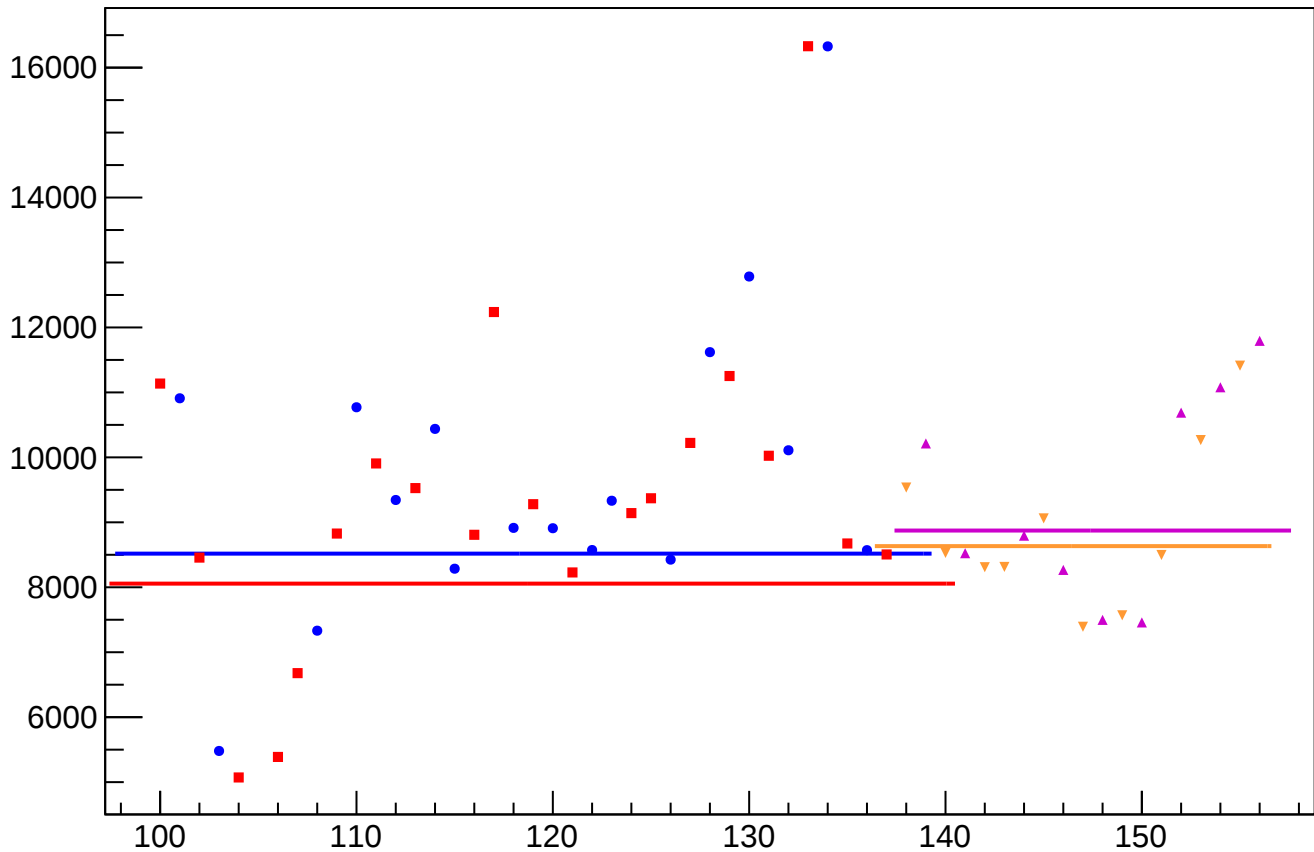
Right Out: -5441.890 ± 3163.600 χ^2/NDF : 14.3/19

Left In: -1194.122 ± 3315.943 χ^2/NDF : 5.9/8

686.477 ± 2339.932 χ^2/NDF : 29.1/26

-3417.821 ± 2288.965 χ^2/NDF : 21.1/28

asym_atr2_rms vs Slug



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

Left Out: 8633.460+/-2.275 χ^2/NDF : 230277.6/9

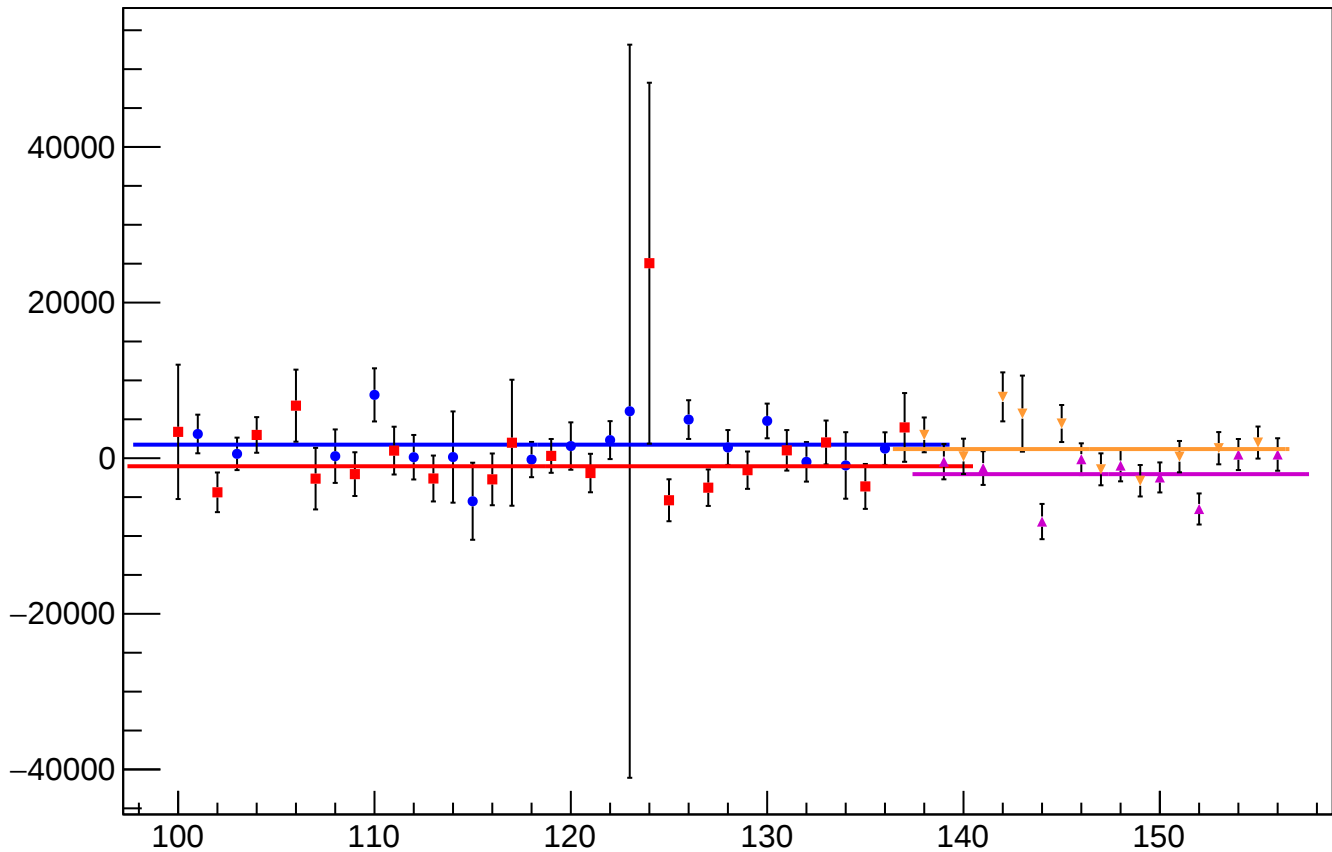
Right Out: 8056.153+/-2.237 χ^2/NDF : 962282.6/19

Left In: 8873.313+/-2.345 χ^2/NDF : 362711.7/8

8579.024+/-1.655 χ^2/NDF : 994774.7/26

8445.517+/-1.619 χ^2/NDF : 1388580.1/28

reg_asym_atl_avg_mean vs Slug



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

Left Out: 1173.290+/-723.532 χ^2/NDF : 14.2/9

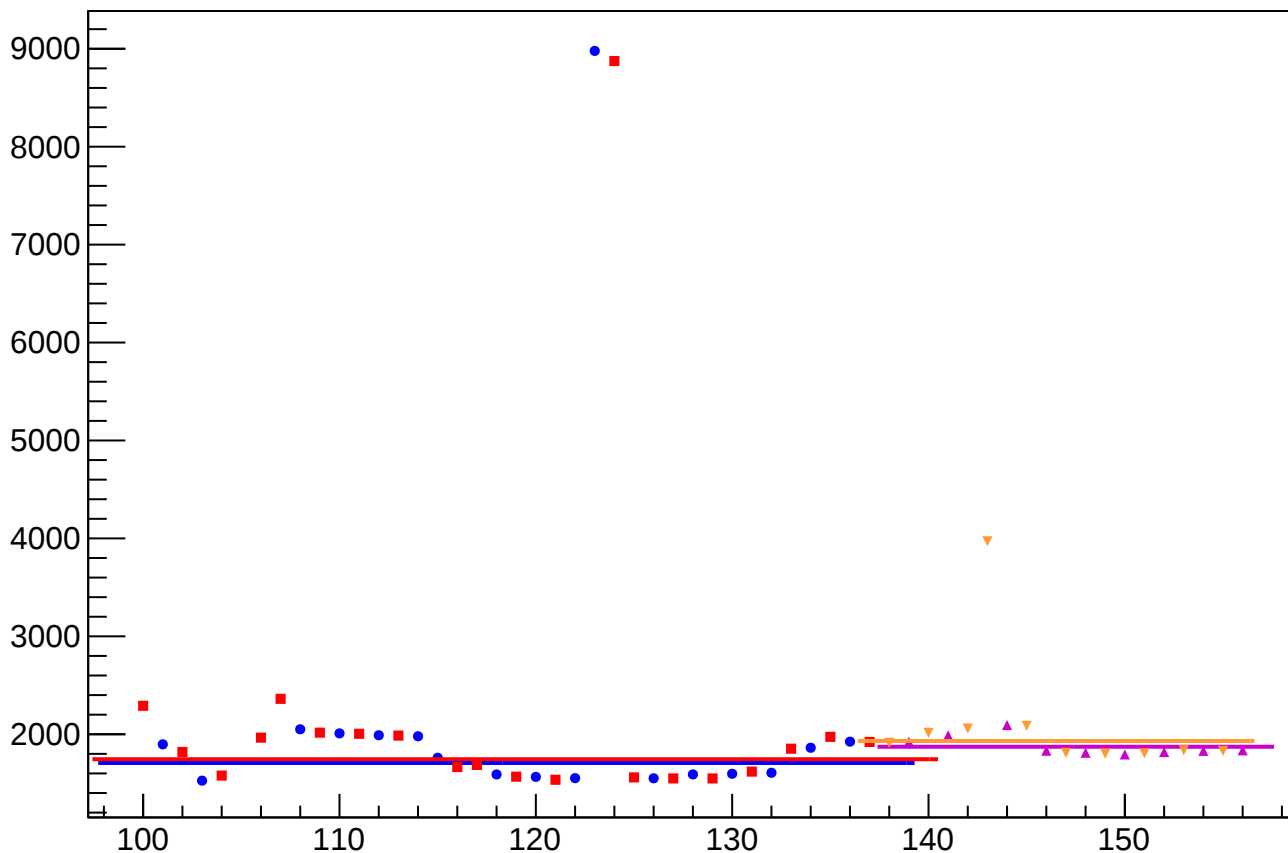
Right Out: -1034.828+/-668.692 χ^2/NDF : 19.0/19

Left In: -2050.285+/-692.290 χ^2/NDF : 17.2/8

1478.024+/-491.754 χ^2/NDF : 27.0/26

-1524.954+/-480.963 χ^2/NDF : 37.3/28

reg_asym_atl_avg_rms vs Slug



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

Left Out: 1931.541+/-0.512 χ^2/NDF : 394744.6/9

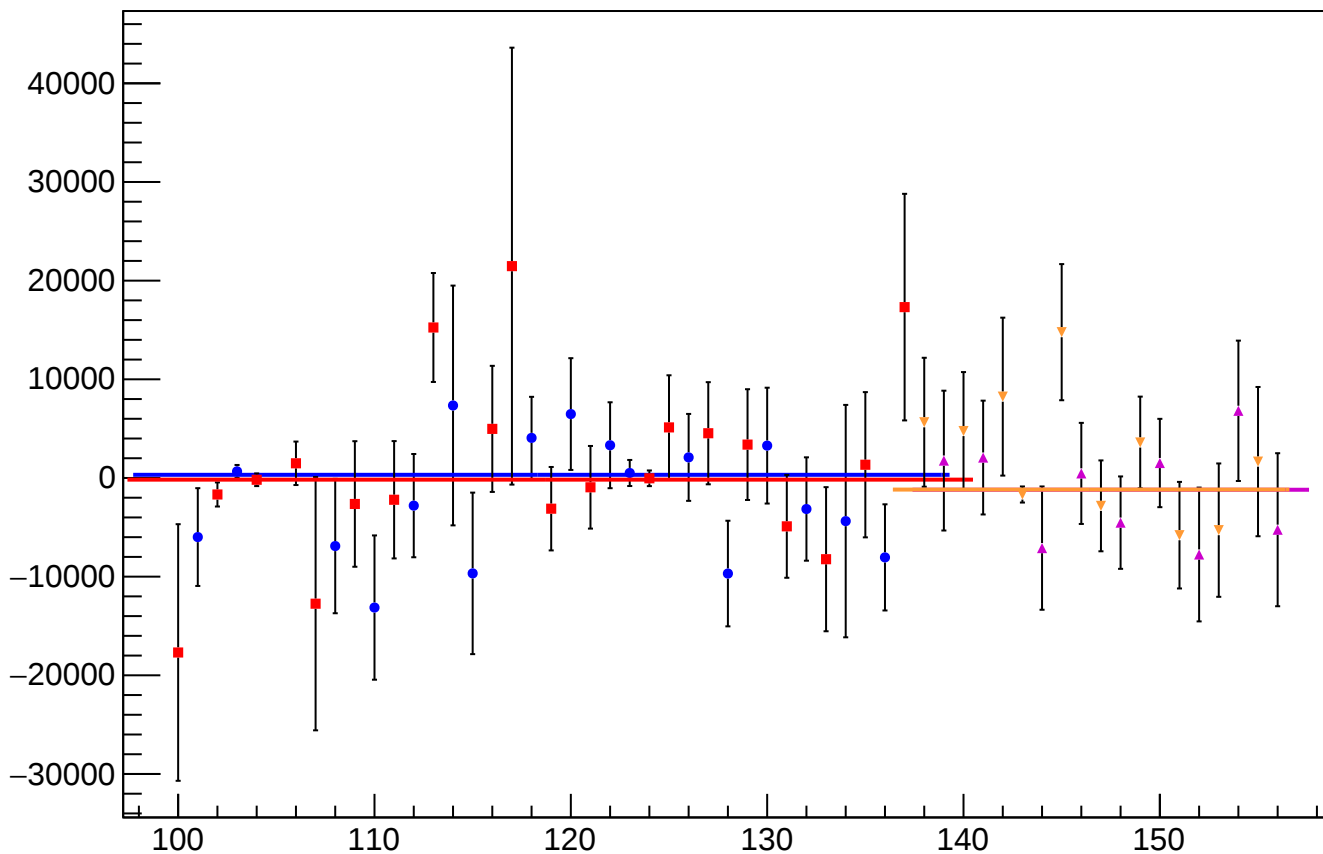
Right Out: 1745.037+/-0.471 χ^2/NDF : 399916.1/19

Left In: 1872.405+/-0.490 χ^2/NDF : 34949.3/8

1810.652+/-0.348 χ^2/NDF : 696065.8/26

1806.231+/-0.339 χ^2/NDF : 470037.5/28

asym_atl_avg_correction_mean vs Slug



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

Left Out: -1175.761+/-753.395 χ^2/NDF :11.6/9

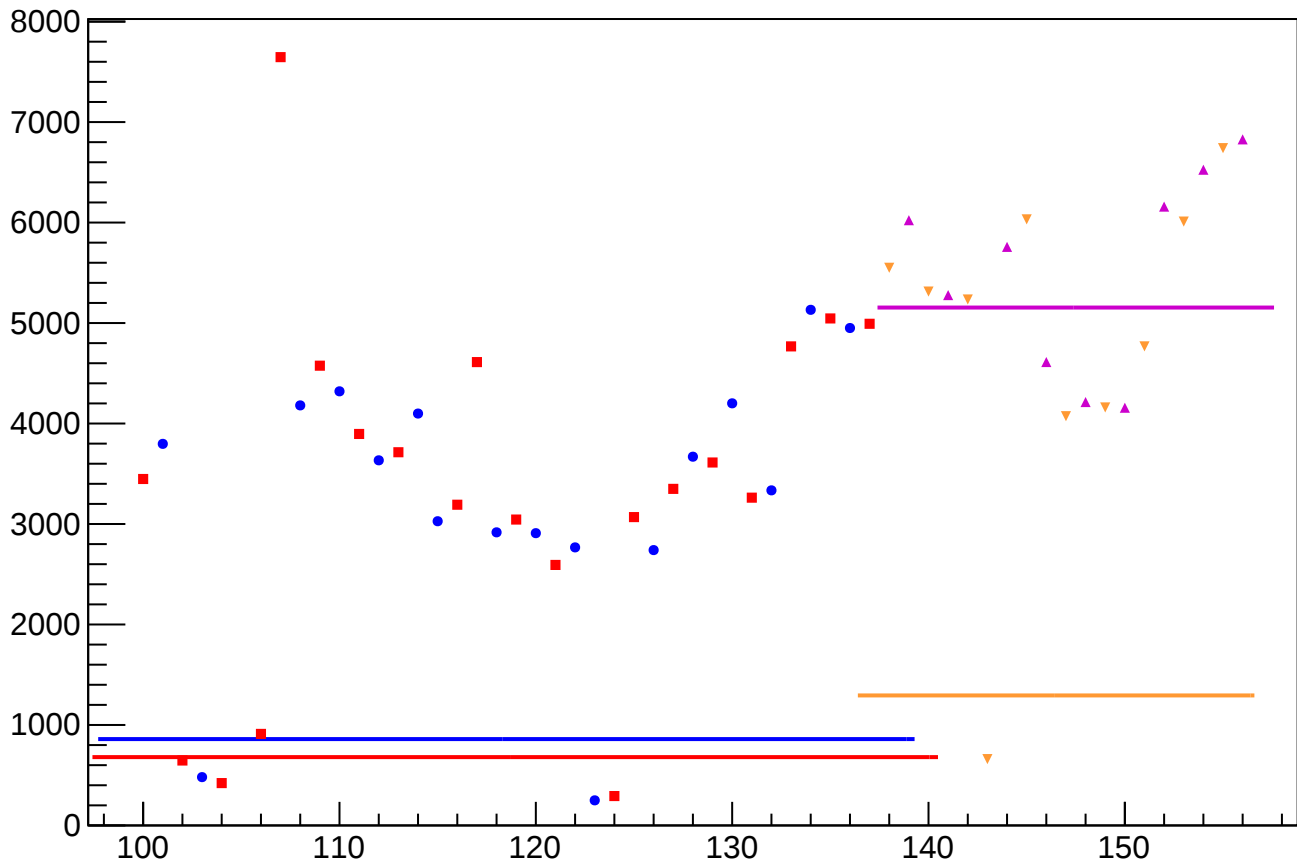
Right Out: -168.343+/-433.469 χ^2/NDF : 21.7/19

Left In: -1193.899+/-1934.024 χ^2/NDF :4.8/8

-187.520+/-439.109 χ^2/NDF : 32.2/26

-217.396+/-422.975 χ^2/NDF : 26.8/28

asym_atl_avg_correction_rms vs Slug



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

Left Out: 1293.963 $\pm$ 0.533 χ^2 /NDF: 8718140.0/9

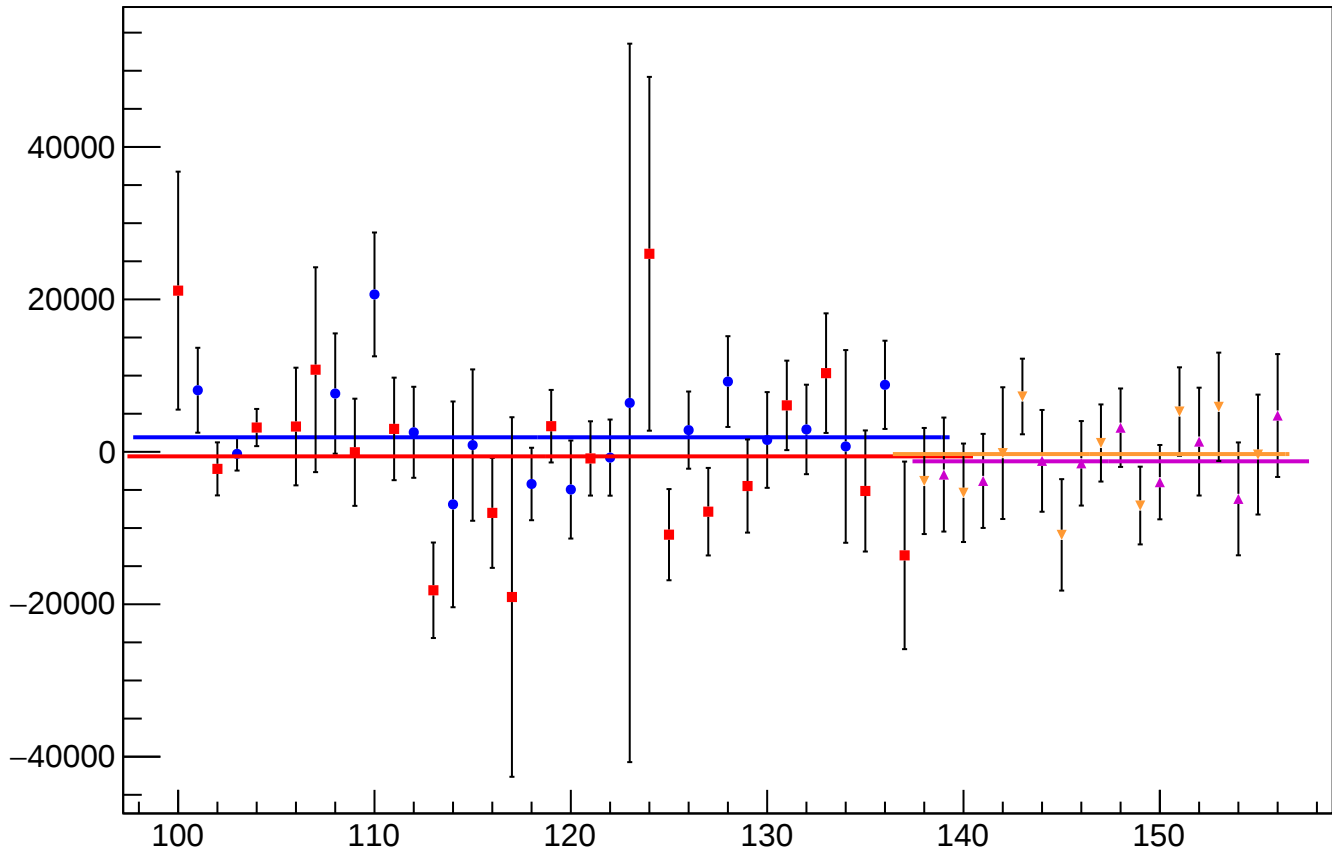
Right Out: 680.110 $\pm$ 0.307 χ^2 /NDF: 8447884.2/19

Left In: 5154.145 $\pm$ 1.368 χ^2 /NDF: 463394.3/8

1007.126 $\pm$ 0.310 χ^2 /NDF: 17300456.5/26

894.106 $\pm$ 0.299 χ^2 /NDF: 19102337.0/28

asym_atl_avg_mean vs Slug



Right In: 1909.348 ± 1310.219 $\chi^2/\text{NDF}: 14.6/16$

Left Out: -293.536 ± 1959.234 $\chi^2/\text{NDF}: 8.8/9$

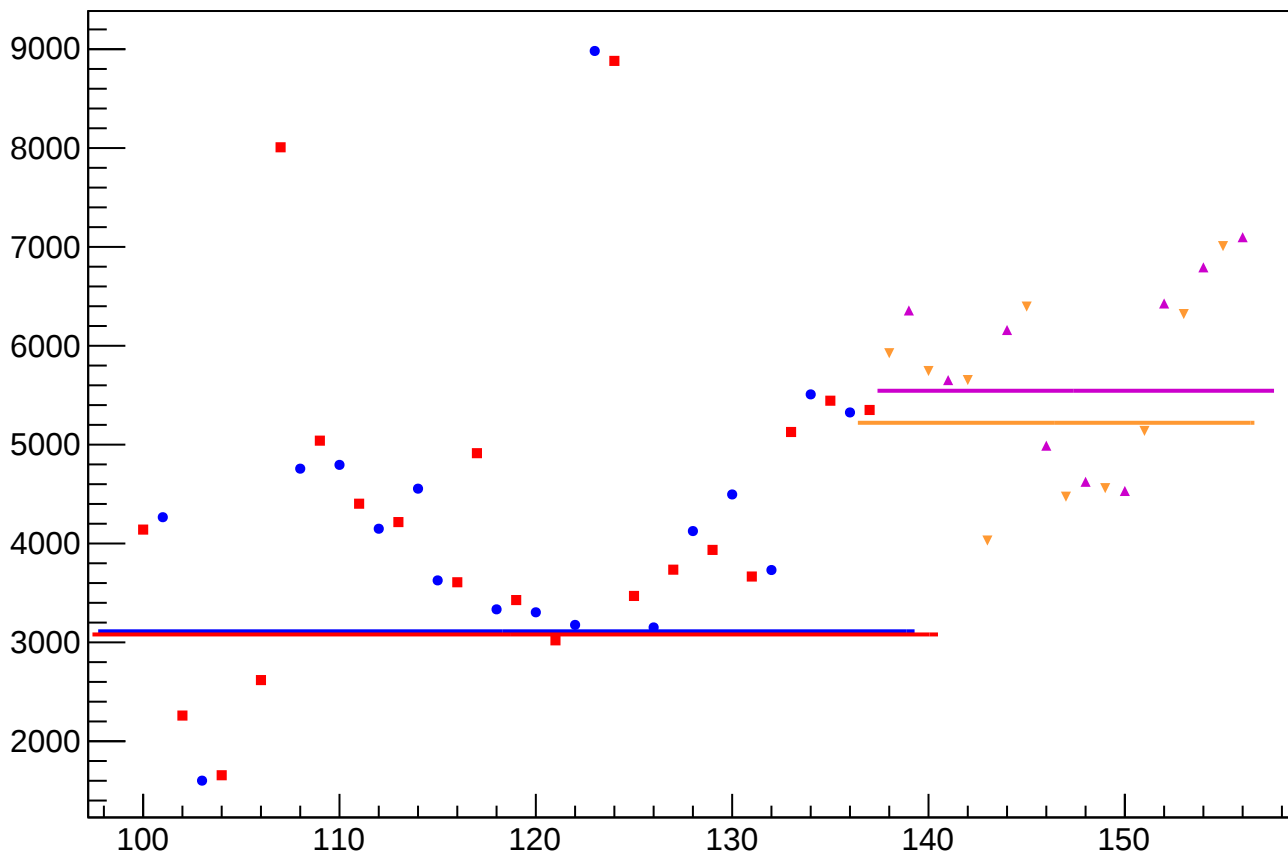
Right Out: -594.380 ± 1283.911 $\chi^2/\text{NDF}: 27.0/19$

Left In: -1243.564 ± 2073.939 $\chi^2/\text{NDF}: 2.4/8$

1228.619 ± 1089.124 $\chi^2/\text{NDF}: 24.3/26$

-774.245 ± 1091.655 $\chi^2/\text{NDF}: 29.5/28$

asym_atl_avg_rms vs Slug



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

Left Out: 5221.065+/-1.385 χ^2 /NDF: 434291.6/9

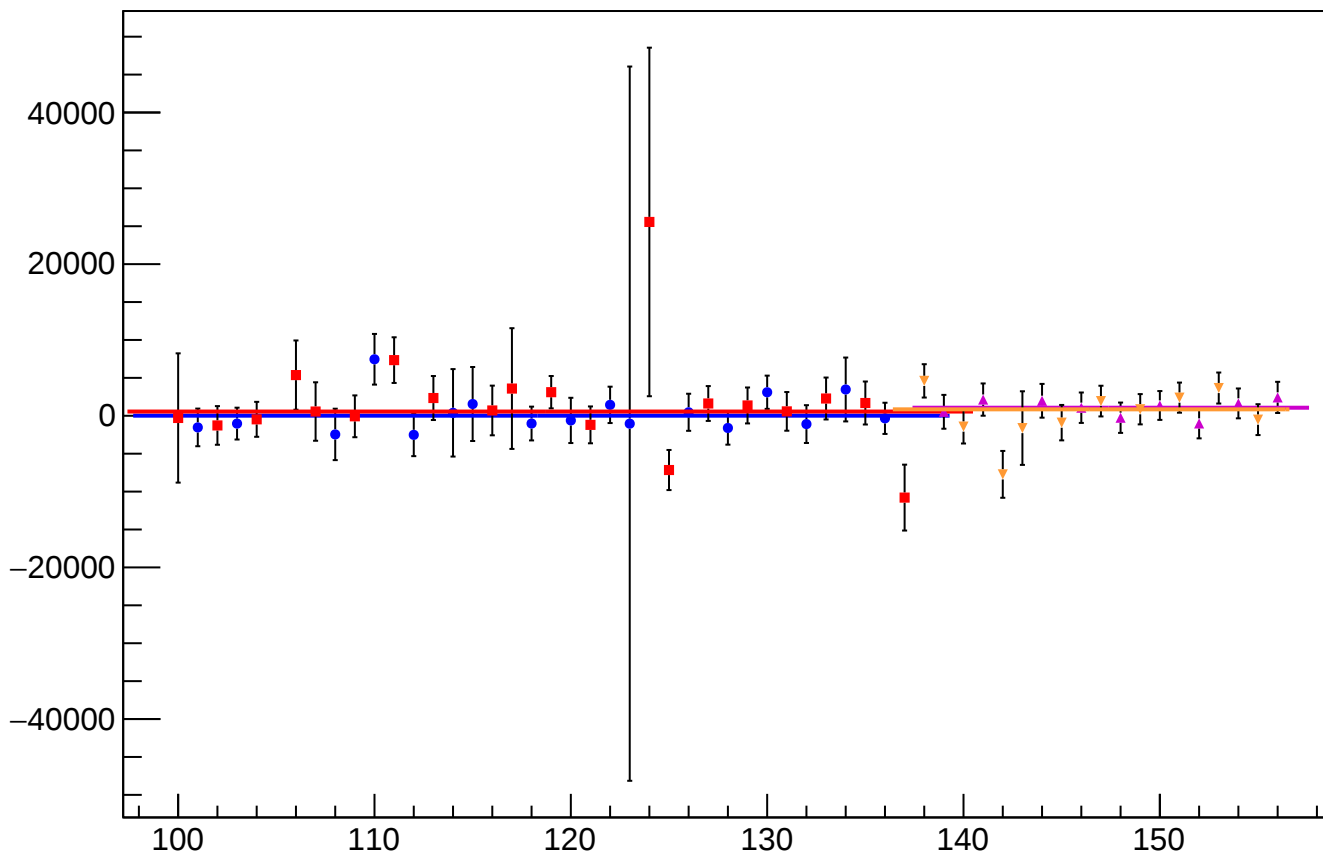
Right Out: 3080.063+/-0.895 χ^2 /NDF: 2017746.3/19

Left In: 5545.030+/-1.466 χ^2 /NDF: 373810.5/8

3763.611+/-0.770 χ^2 /NDF: 3915539.0/26

3748.758+/-0.764 χ^2 /NDF: 4450391.5/28

reg_asym_atl_dd_mean vs Slug



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

Left Out: 848.298+/-712.953 χ^2 /NDF:15.7/9

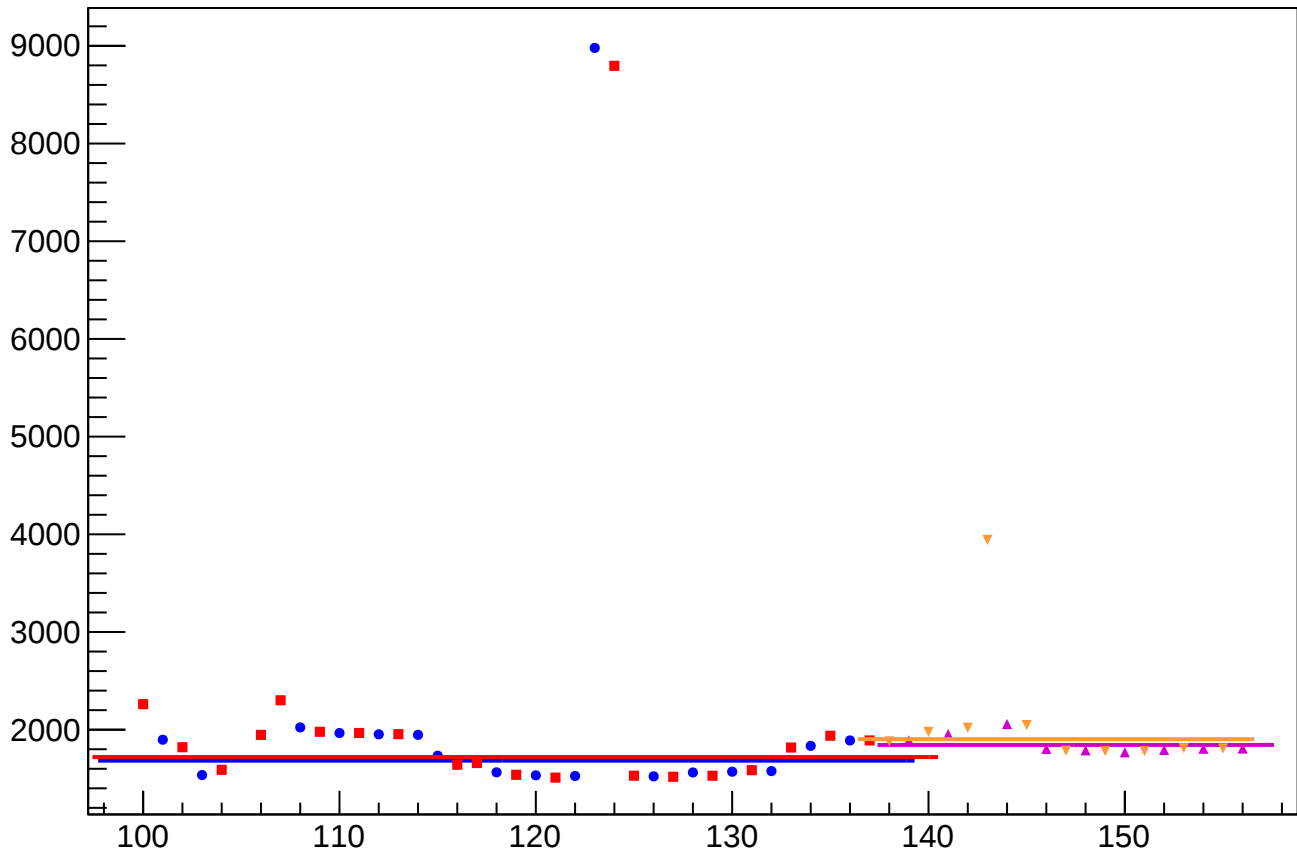
Right Out: 558.377+/-658.875 χ^2 /NDF: 26.8/19

Left In: 1062.274+/-681.854 χ^2 /NDF:2.6/8

399.774+/-484.765 χ^2 /NDF: 27.6/26

801.692+/-473.811 χ^2 /NDF: 29.7/28

reg_asym_atl_dd_rms vs Slug



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

Left Out: 1903.058+/-0.504 χ^2/NDF : 396509.0/9

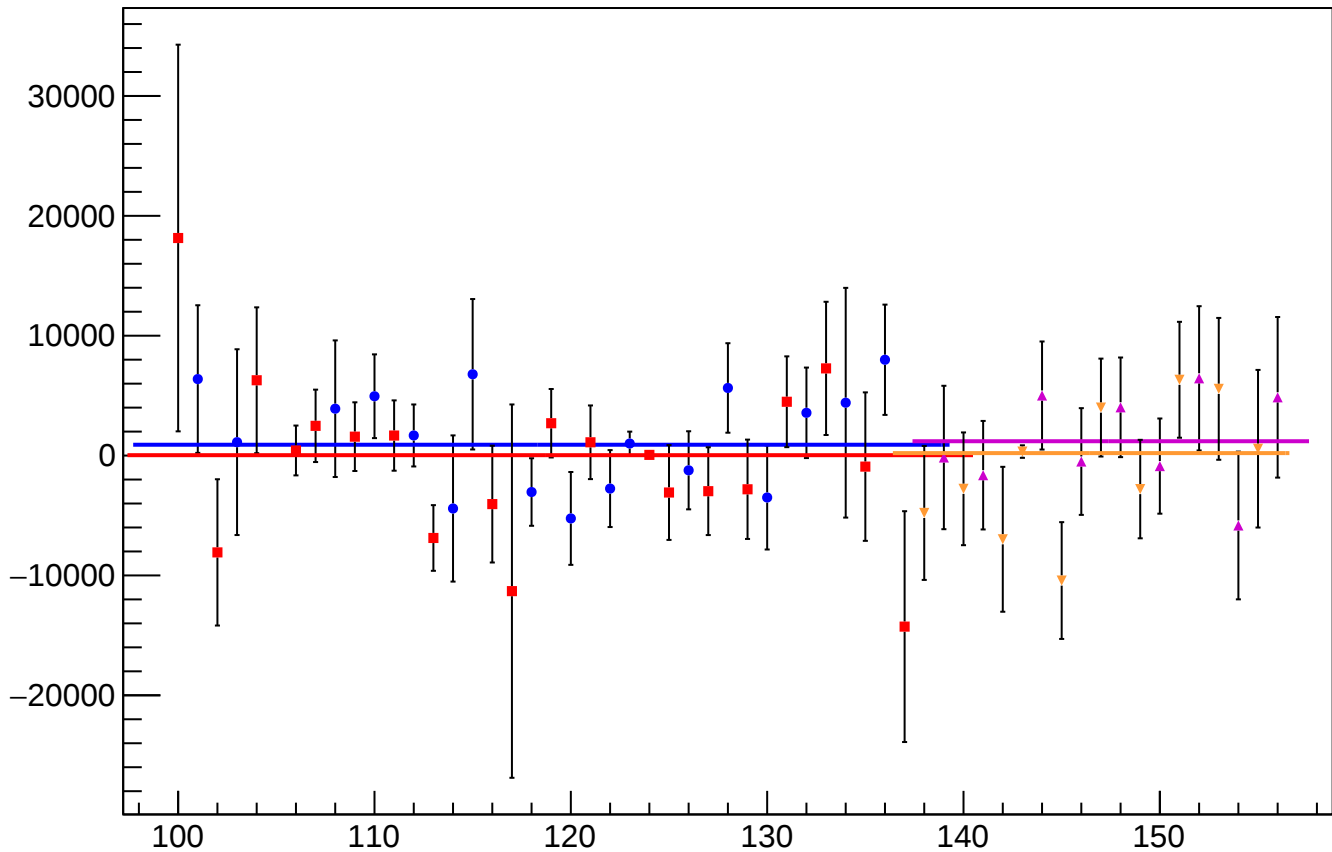
Right Out: 1719.963+/-0.464 χ^2/NDF : 396217.5/19

Left In: 1844.278+/-0.482 χ^2/NDF : 33208.2/8

1784.876+/-0.343 χ^2/NDF : 694611.1/26

1779.723+/-0.334 χ^2/NDF : 463947.6/28

asym_atl_dd_correction_mean vs Slug



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

Left Out: 205.542+/-498.528 χ^2/NDF : 11.3/9

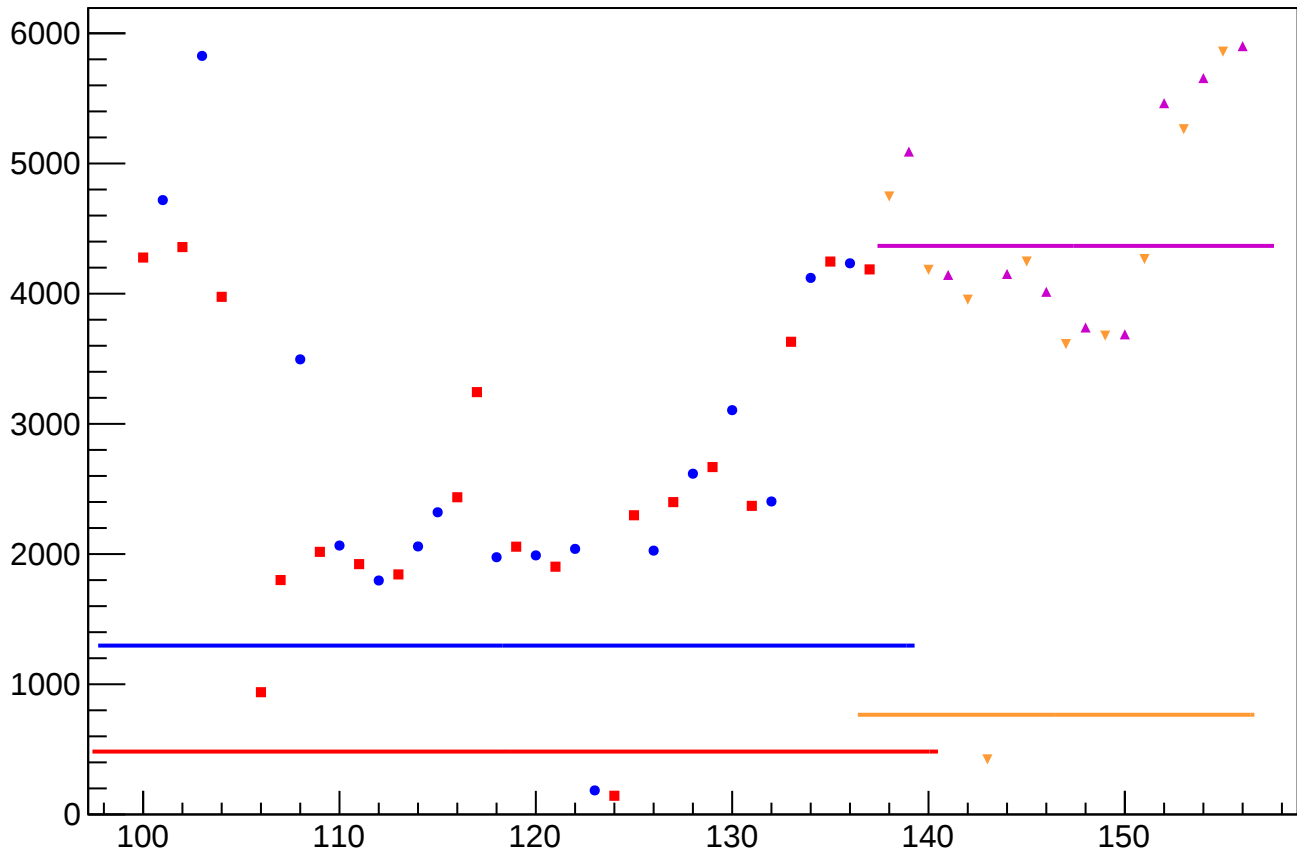
Right Out: 32.177+/-357.083 χ^2/NDF : 21.0/19

Left In: 1196.306+/-1635.239 χ^2/NDF : 4.4/8

437.905+/-407.150 χ^2/NDF : 27.9/26

85.161+/-348.862 χ^2/NDF : 25.9/28

asym_atl_dd_correction_rms vs Slug



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

Left Out: 765.697+/-0.353 χ^2/NDF : 9889698.0/9

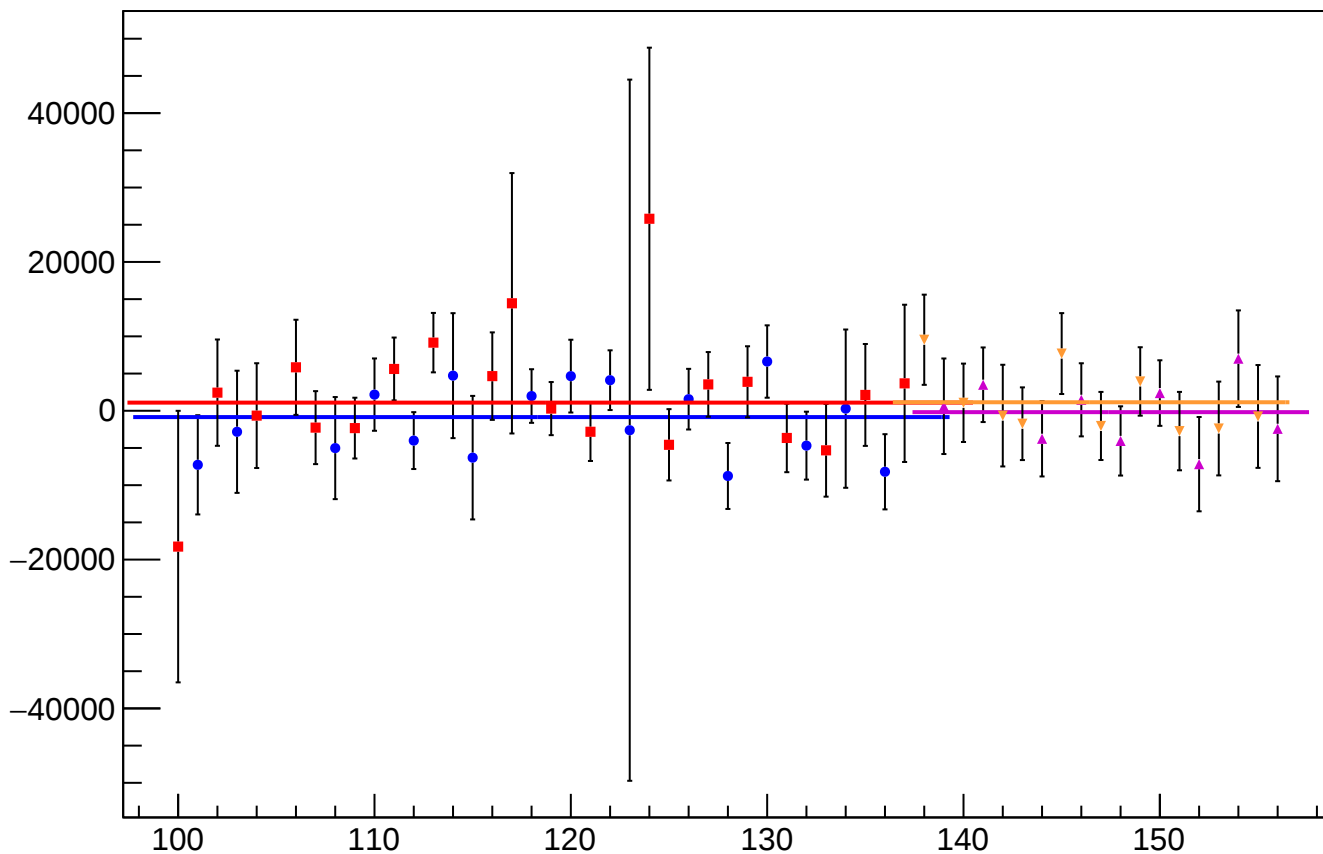
942.619+/-0.288 χ^2/NDF : 17155754.7/26

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

659.809+/-0.247 χ^2/NDF : 21391022.1/28

Left In: 4367.104+/-1.156 χ^2/NDF : 414043.8/8

asym_atl_dd_mean vs Slug



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

Left Out: 1143.429+/-1720.951 χ^2/NDF : 5.6/9

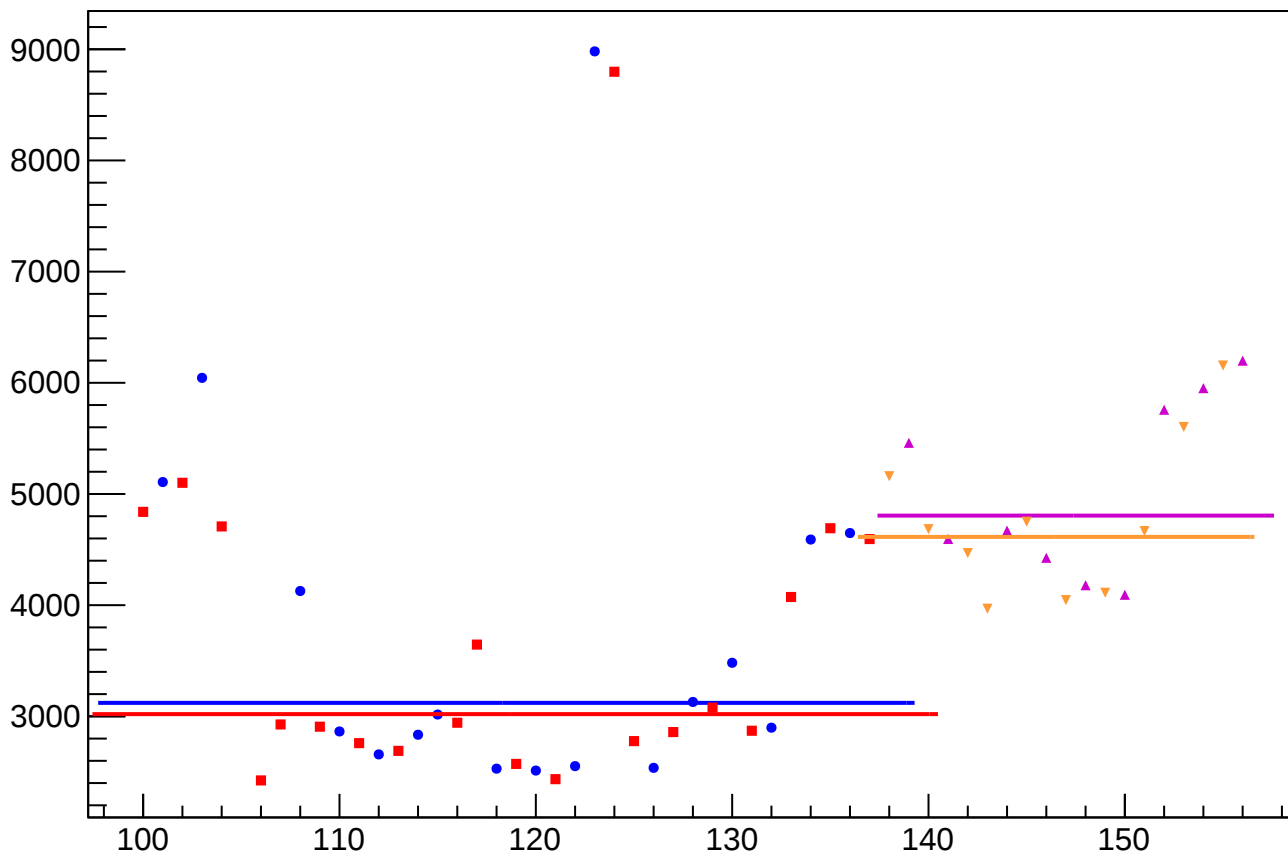
Right Out: 1095.033+/-1187.966 χ^2/NDF : 15.6/19

Left In: -186.356+/-1792.941 χ^2/NDF : 4.7/8

-153.189+/-1017.181 χ^2/NDF : 21.9/26

704.108+/-990.312 χ^2/NDF : 20.7/28

asym_atl_dd_rms vs Slug



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

Left Out: 4613.975 ± 1.217 χ^2/NDF : 257360.2/9

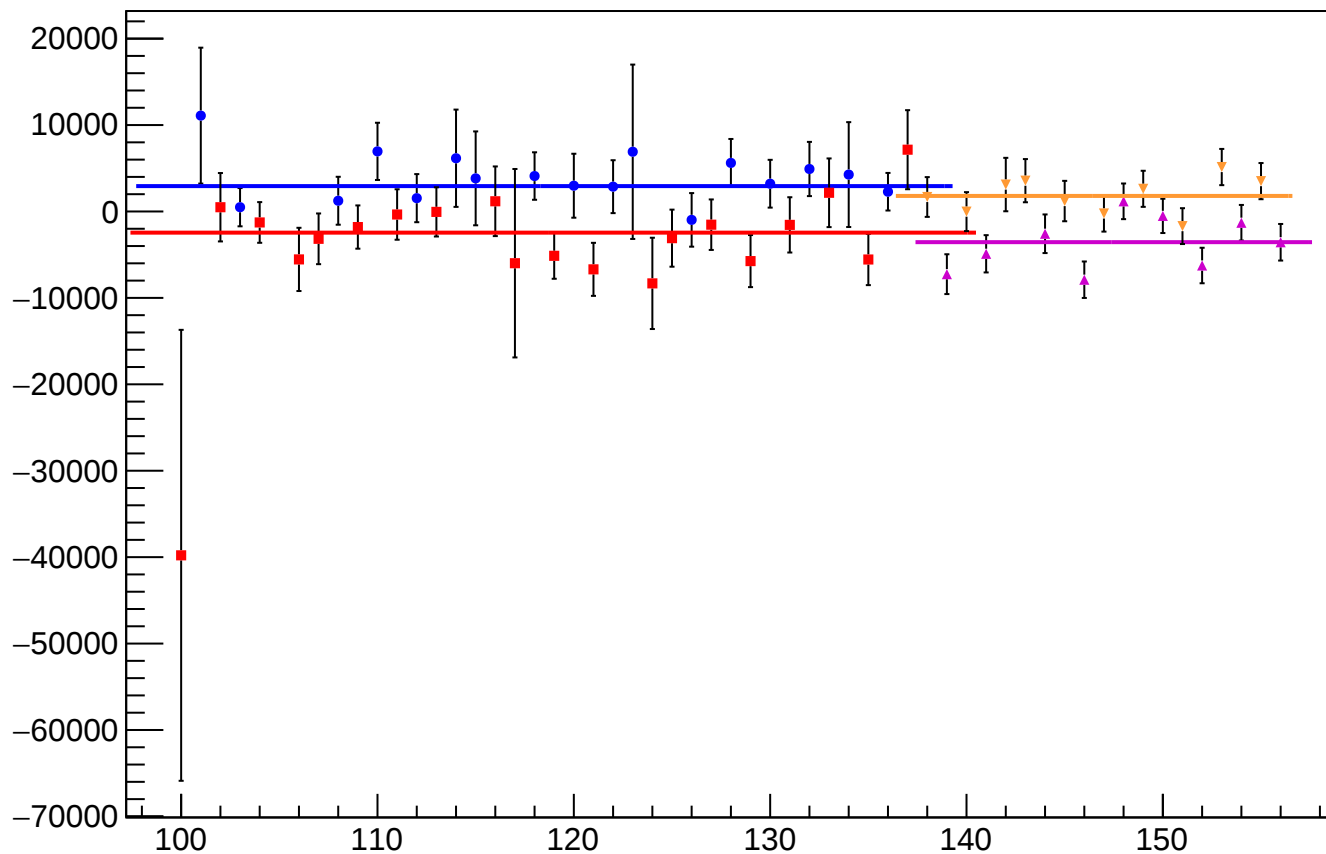
Right Out: 3020.039 ± 0.830 χ^2/NDF : 794563.8/19

Left In: 4805.658 ± 1.268 χ^2/NDF : 312122.9/8

3642.837 ± 0.719 χ^2/NDF : 2181894.1/26

3555.401 ± 0.694 χ^2/NDF : 2495634.6/28

reg_asym_atr_avg_mean vs Slug



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

Left Out: 1798.784 ± 710.950 χ^2/NDF : 8.5/9

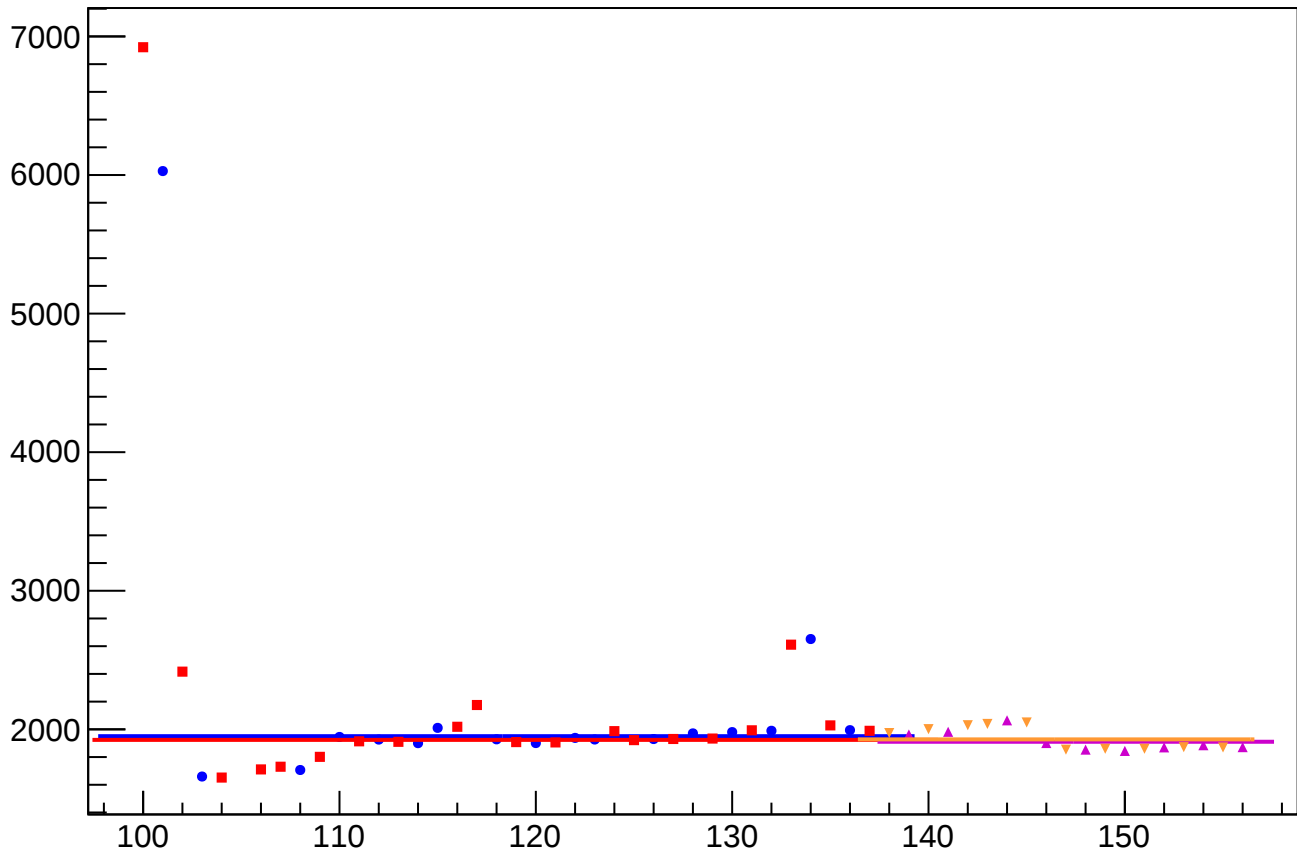
Right Out: -2449.072 ± 738.715 χ^2/NDF : 18.3/19

Left In: -3550.527 ± 704.777 χ^2/NDF : 17.9/8

2318.120 ± 524.013 χ^2/NDF : 17.9/26

-3025.681 ± 509.929 χ^2/NDF : 37.4/28

reg_asym_atr_avg_rms vs Slug



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

Left Out: 1927.463 ± 0.503 χ^2/NDF : 24251.5/9

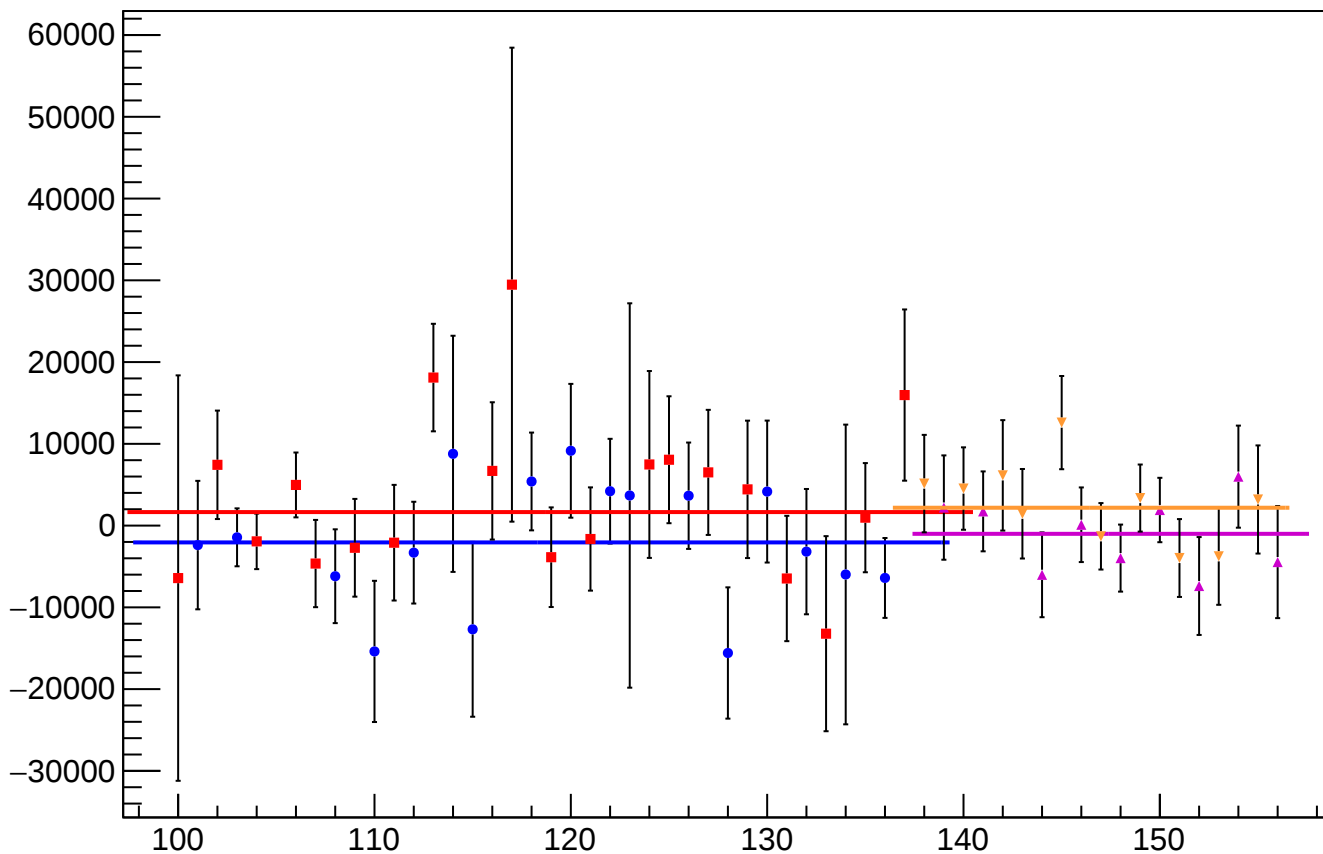
Right Out: 1923.907 ± 0.521 χ^2/NDF : 218470.6/19

Left In: 1910.406 ± 0.498 χ^2/NDF : 18348.1/8

1938.037 ± 0.371 χ^2/NDF : 642552.4/26

1916.855 ± 0.360 χ^2/NDF : 237169.2/28

asym_atr_avg_correction_mean vs Slug



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

Left Out: 2184.311+/-1646.250 χ^2/NDF : 7.7/9

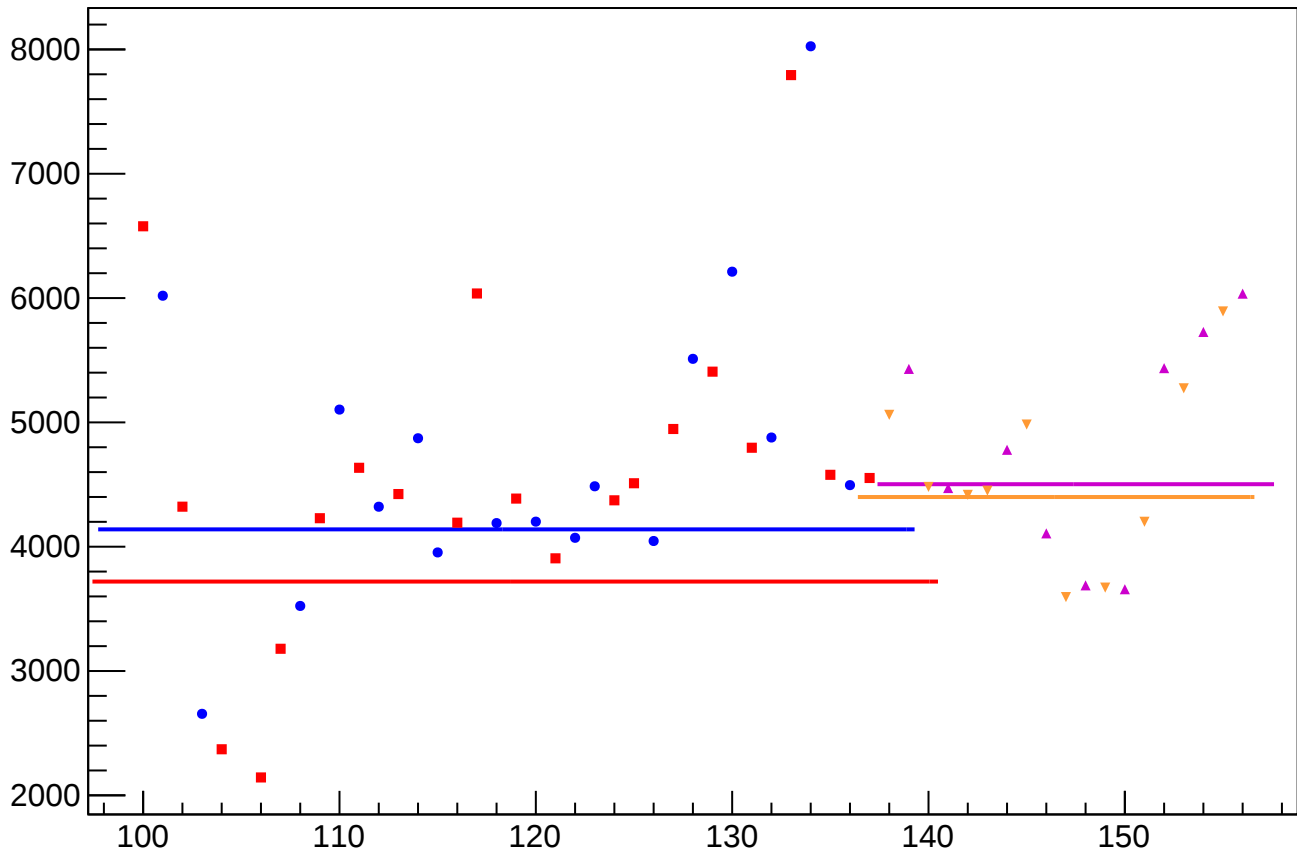
Right Out: 1652.978+/-1475.490 χ^2/NDF : 19.5/19

Left In: -1006.865+/-1689.287 χ^2/NDF : 5.3/8

82.732+/-1169.282 χ^2/NDF : 24.9/26

501.927+/-1111.278 χ^2/NDF : 26.2/28

asym_atr_avg_correction_rms vs Slug



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

Left Out: 4399.576 ± 1.164 χ^2/NDF : 336734.1/9

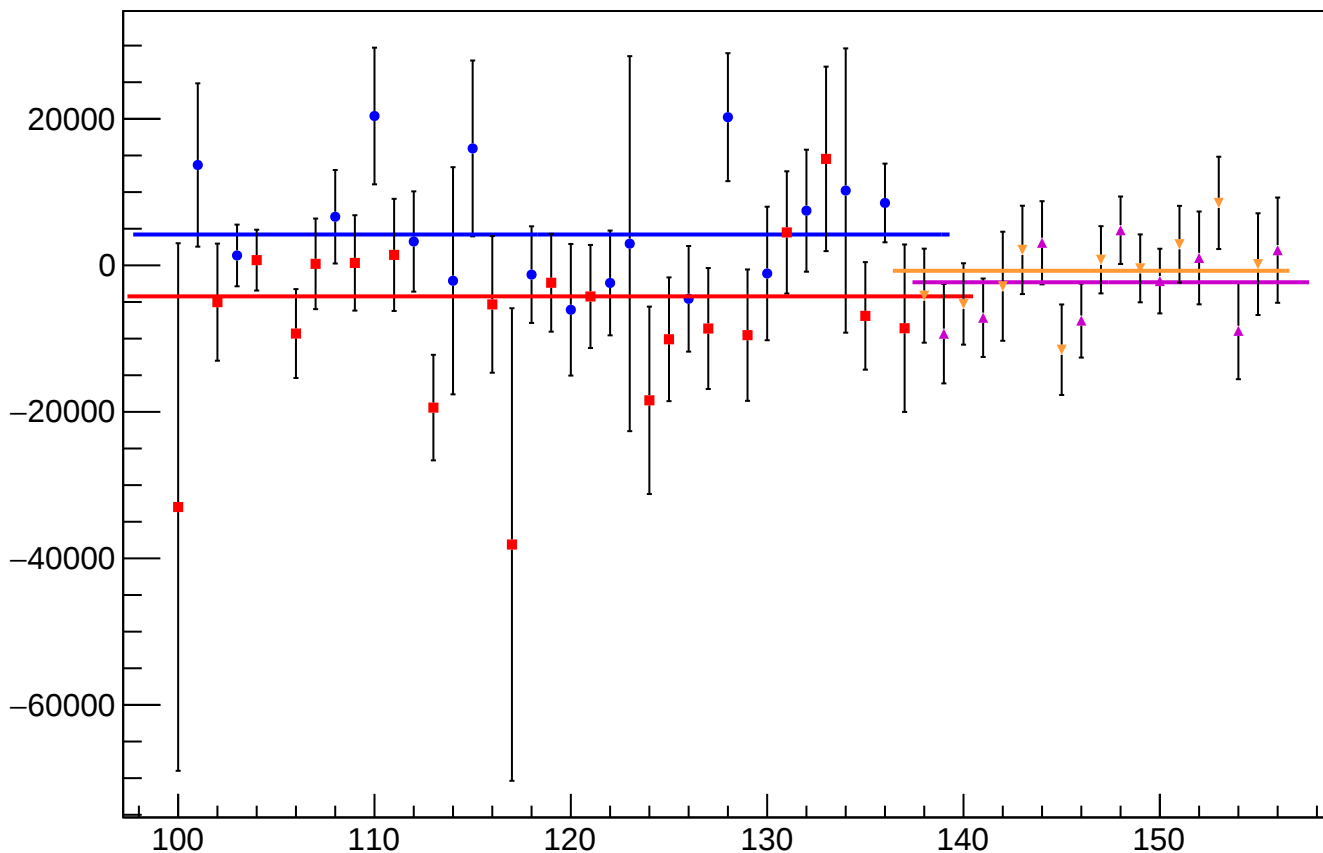
Right Out: 3719.546 ± 1.043 χ^2/NDF : 1288644.4/19

Left In: 4502.719 ± 1.195 χ^2/NDF : 459492.8/8

4270.652 ± 0.827 χ^2/NDF : 1175039.3/26

4058.465 ± 0.786 χ^2/NDF : 1991981.0/28

asym_atr_avg_mean vs Slug



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

Left Out: -740.723+/-1811.017 χ^2/NDF : 7.1/9

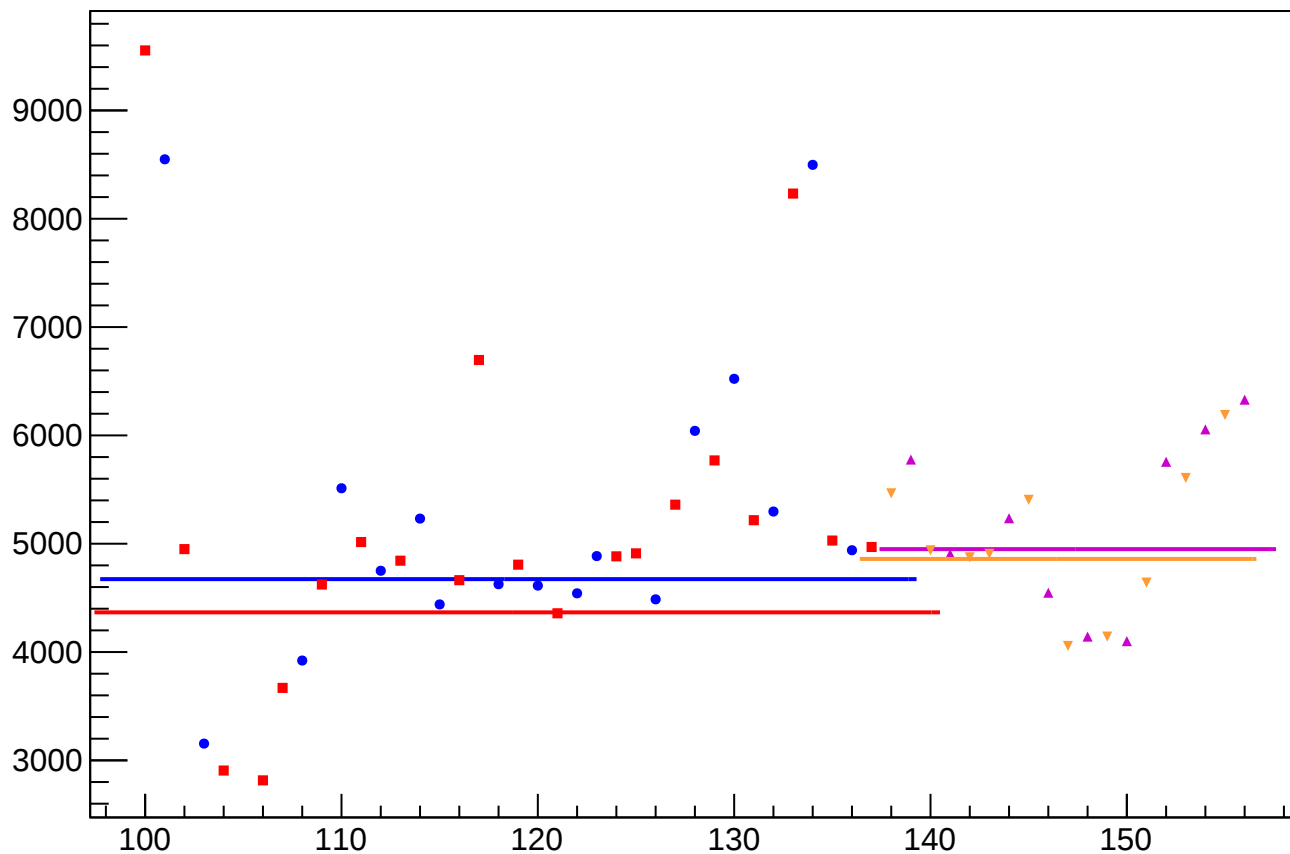
Right Out: -4230.596+/-1722.878 χ^2/NDF : 15.9/19

Left In: -2307.887+/-1848.794 χ^2/NDF : 7.9/8

1654.499+/-1301.374 χ^2/NDF : 25.1/26

-3336.941+/-1260.424 χ^2/NDF : 24.4/28

asym_atr_avg_rms vs Slug



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

Left Out: 4859.687+/-1.281 χ^2/NDF : 248076.8/9

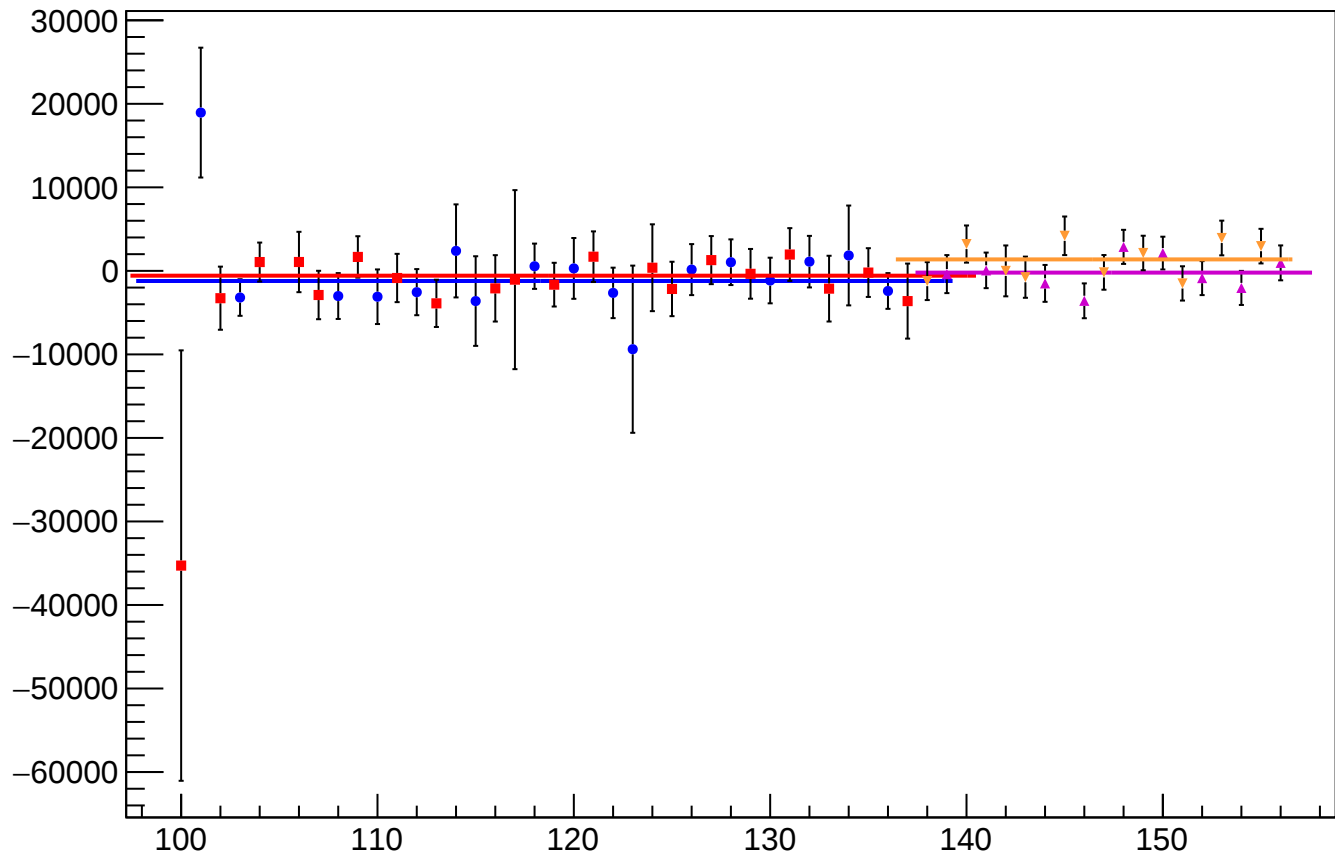
Right Out: 4366.422+/-1.211 χ^2/NDF : 842654.3/19

Left In: 4950.086+/-1.307 χ^2/NDF : 345394.7/8

4769.421+/-0.920 χ^2/NDF : 1035671.3/26

4636.027+/-0.888 χ^2/NDF : 1295306.1/28

reg_asym_atr_dd_mean vs Slug



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

Left Out: 1373.647 ± 702.767 χ^2/NDF : 9.2/9

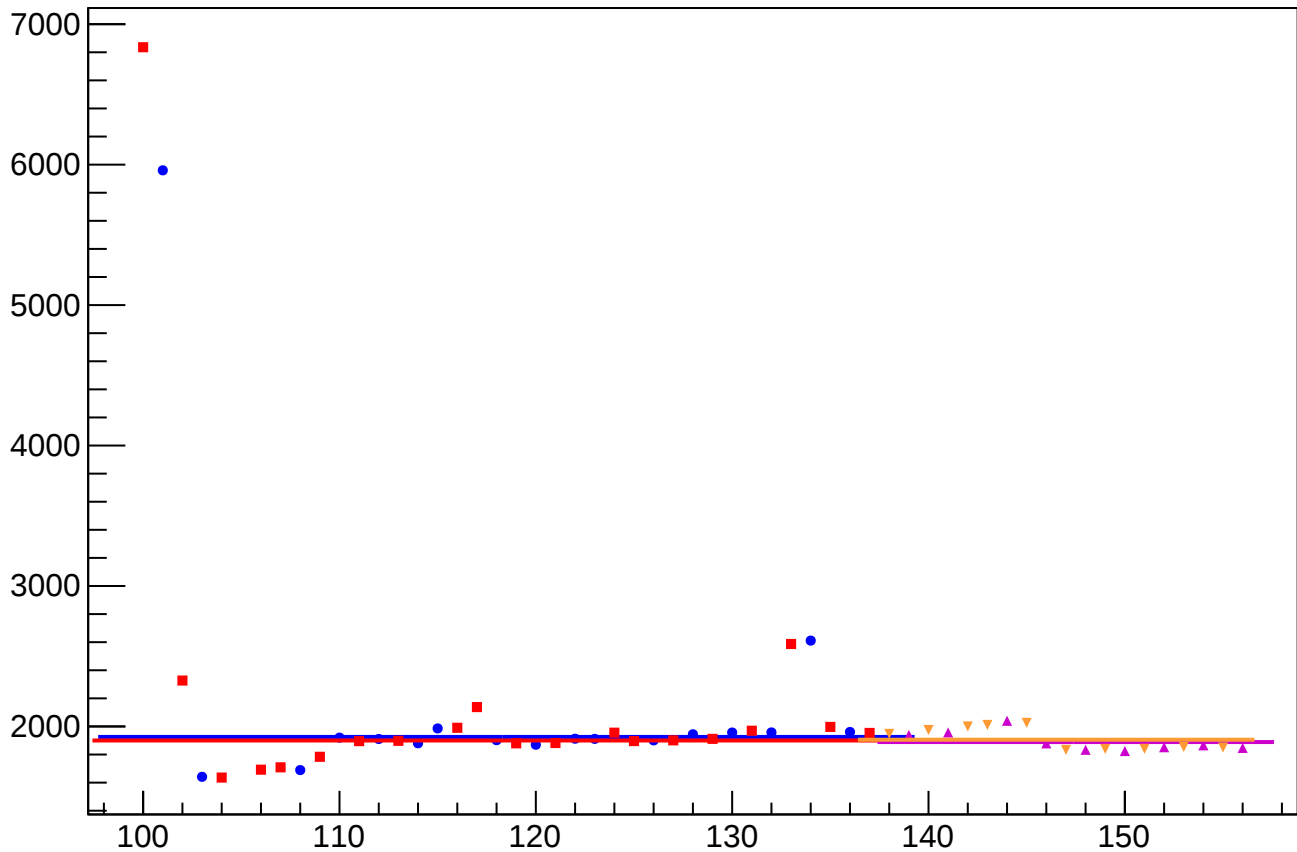
Right Out: -575.663 ± 728.976 χ^2/NDF : 8.7/19

Left In: -208.883 ± 696.811 χ^2/NDF : 7.9/8

191.129 ± 517.627 χ^2/NDF : 28.1/26

-384.003 ± 503.707 χ^2/NDF : 16.7/28

reg_asym_atr_dd_rms vs Slug



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

Left Out: 1905.351+/-0.497 χ^2 /NDF: 22666.2/9

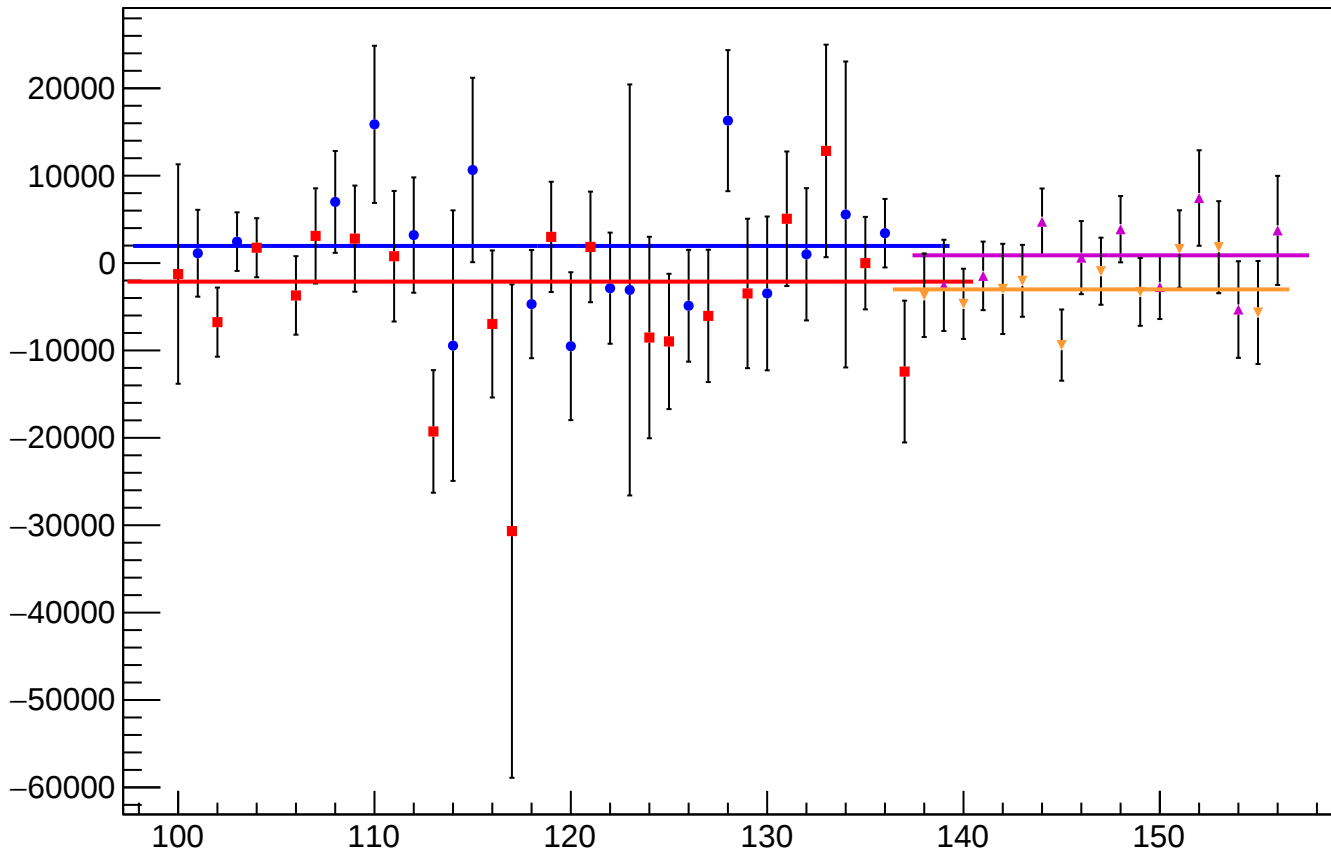
1914.487+/-0.366 χ^2 /NDF: 639268.5/26

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

1894.169+/-0.356 χ^2 /NDF: 229890.3/28

Left In: 1888.858+/-0.493 χ^2 /NDF: 17782.4/8

asym_atr_dd_correction_mean vs Slug



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

Left Out: -3014.509+/-1396.985 χ^2/NDF : 5.1/9

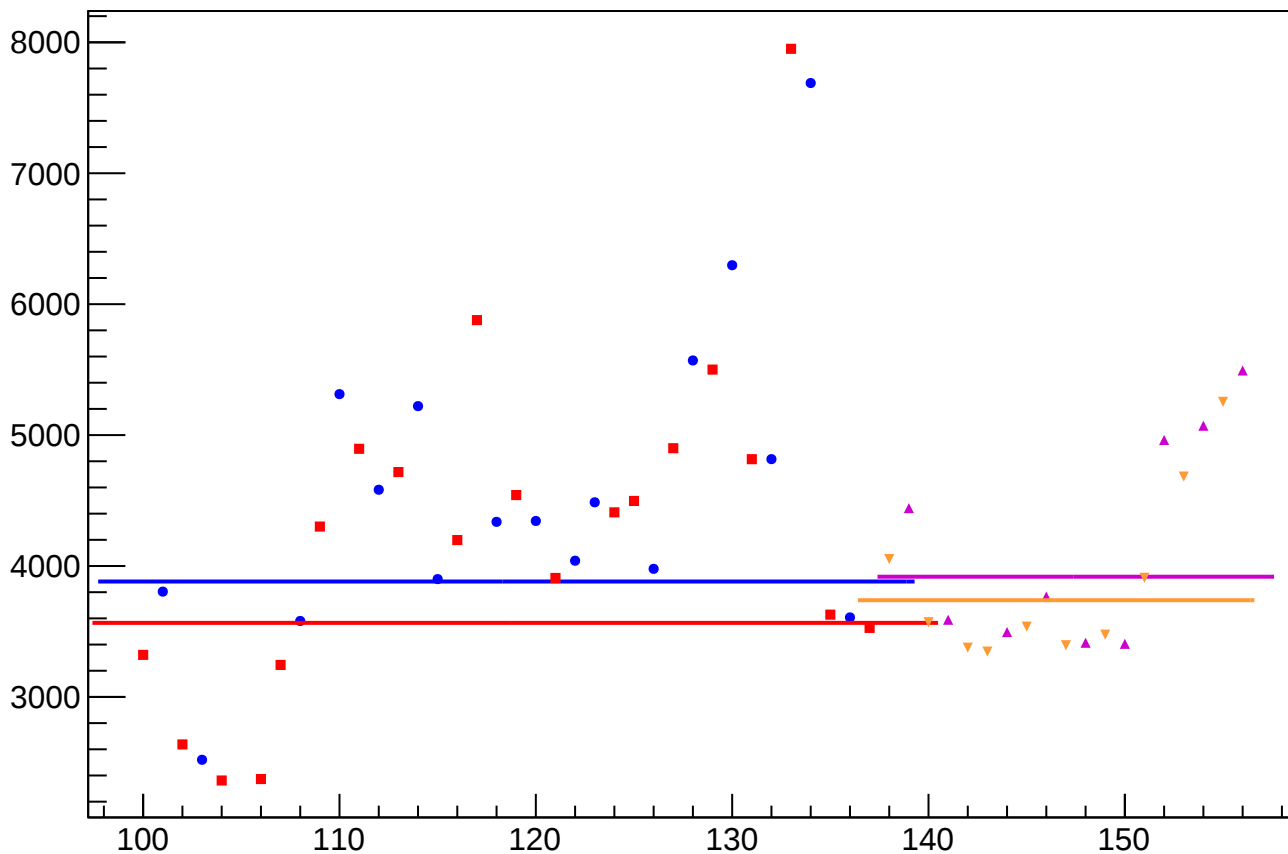
Right Out: -2124.415+/-1411.872 χ^2/NDF : 18.5/19

Left In: 886.104+/-1468.148 χ^2/NDF : 6.3/8

-796.099+/-1039.755 χ^2/NDF : 23.7/26

-677.958+/-1017.658 χ^2/NDF : 27.0/28

asym_atr_dd_correction_rms vs Slug



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

Left Out: 3738.725+/-0.988 χ^2/NDF : 269727.4/9

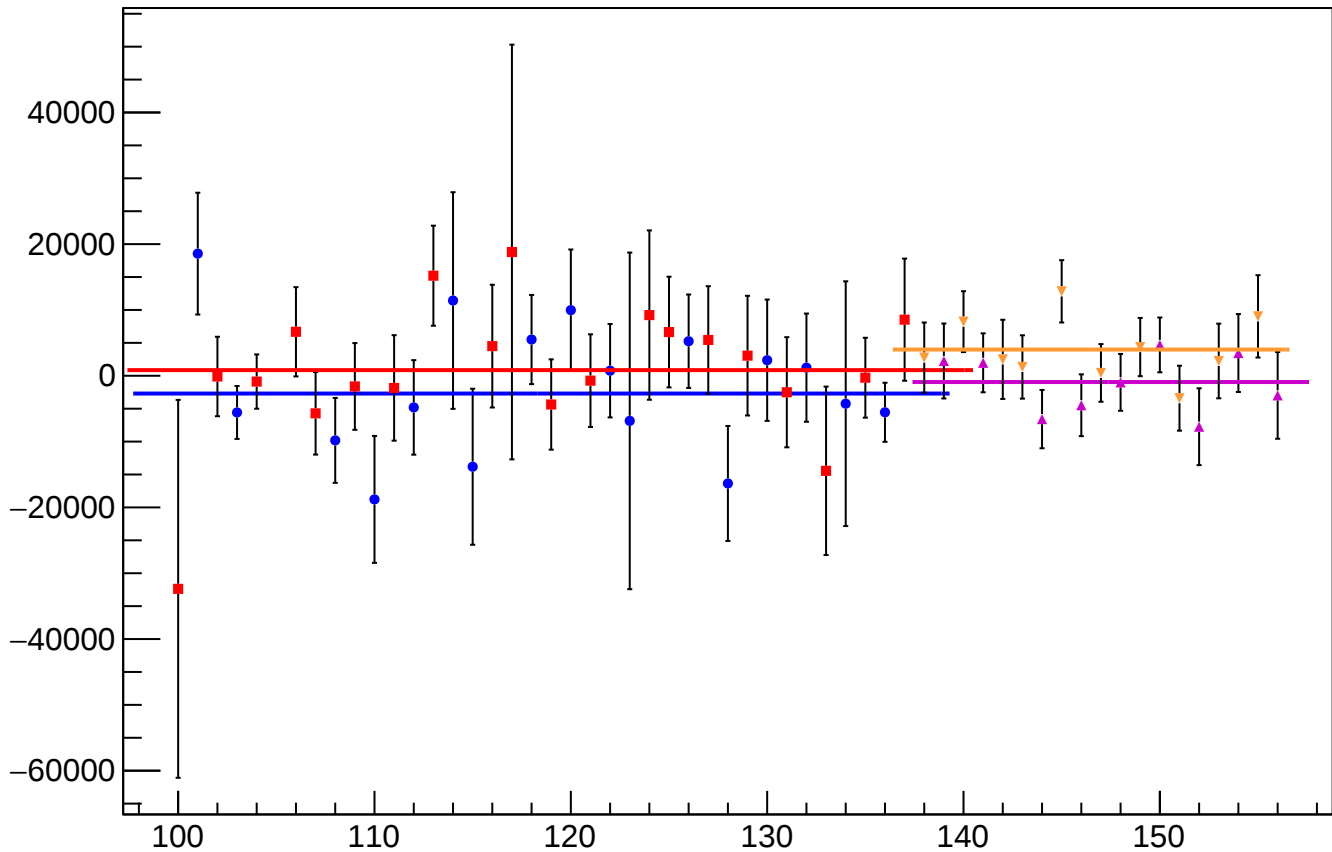
Right Out: 3565.851+/-0.998 χ^2/NDF : 1254973.6/19

Left In: 3918.233+/-1.038 χ^2/NDF : 423549.4/8

3802.443+/-0.735 χ^2/NDF : 1096522.1/26

3735.159+/-0.720 χ^2/NDF : 1738382.0/28

asym_atr_dd_mean vs Slug



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

Left Out: 3982.521+/-1584.252 χ^2/NDF : 8.4/9

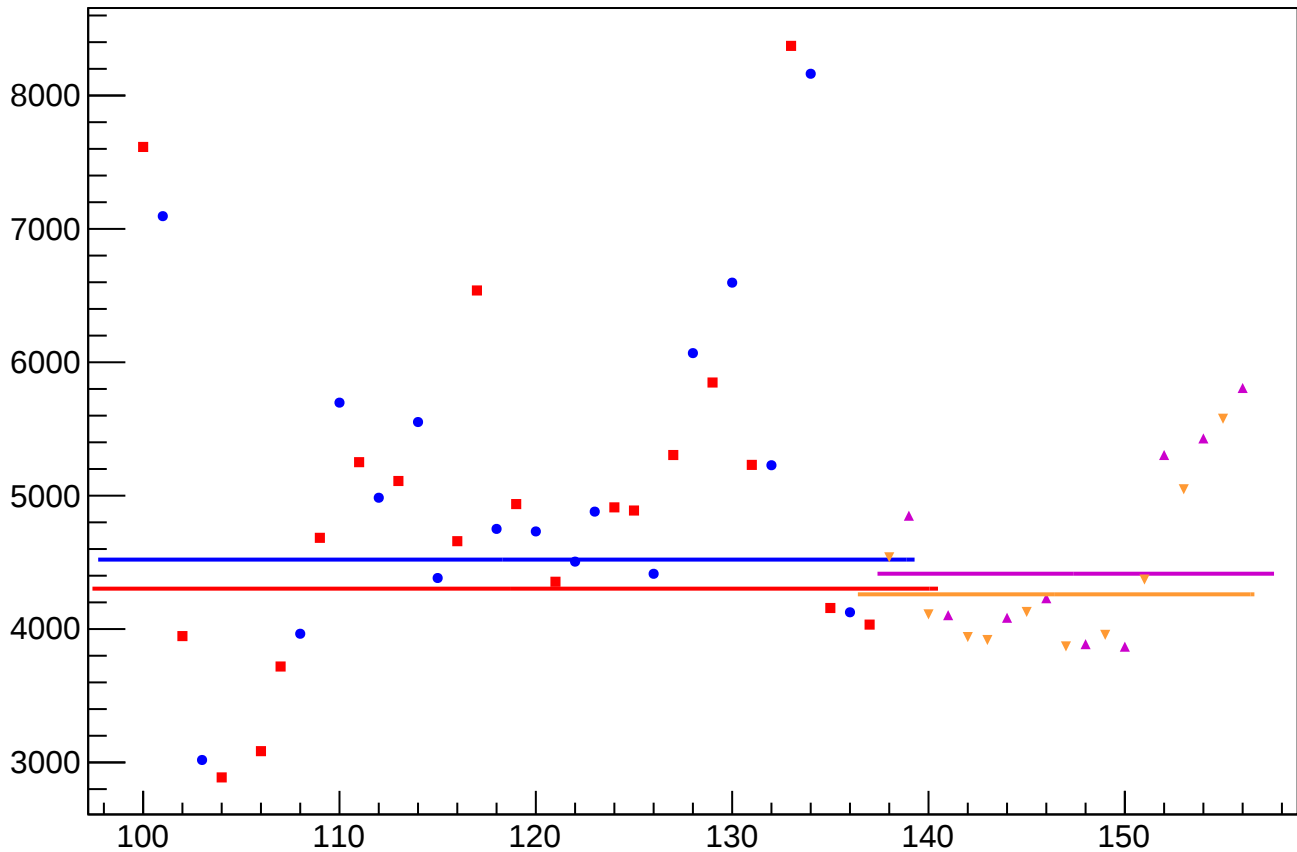
1081.732+/-1191.837 χ^2/NDF : 35.9/26

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

-70.217+/-1178.326 χ^2/NDF : 19.2/28

Left In: -952.197+/-1645.688 χ^2/NDF : 6.8/8

asym_atr_dd_rms vs Slug



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

Left Out: 4260.345+/-1.120 χ^2/NDF : 178409.2/9

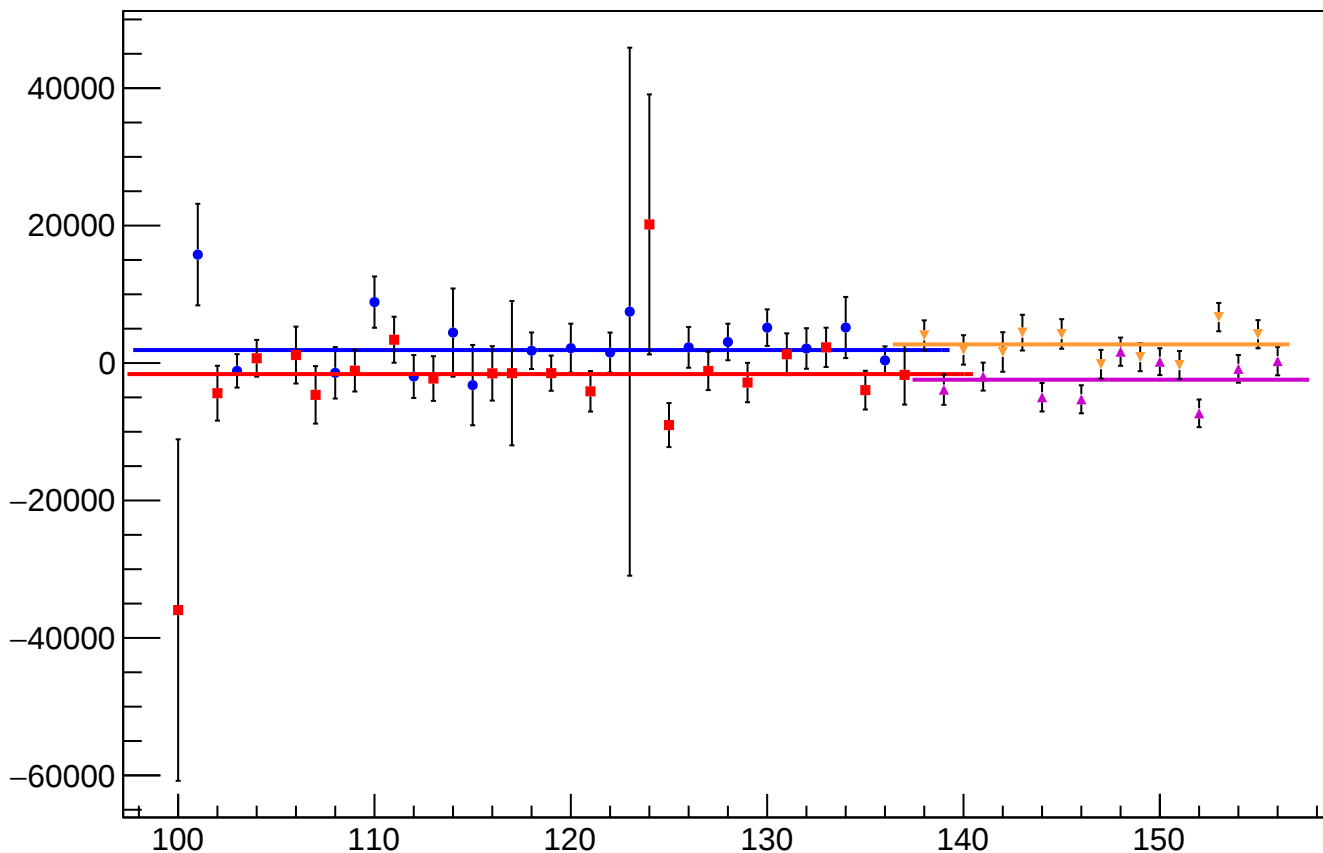
Right Out: 4302.892+/-1.187 χ^2/NDF : 781886.1/19

Left In: 4414.860+/-1.164 χ^2/NDF : 294360.4/8

4373.343+/-0.843 χ^2/NDF : 972738.5/26

4359.984+/-0.831 χ^2/NDF : 1080783.9/28

reg_asym_at1_avg_mean vs Slug



Right In: 1887.915+/-783.827 $\chi^2/\text{NDF}: 14.7/16$

Left Out: 2718.138+/-691.283 $\chi^2/\text{NDF}: 10.7/9$

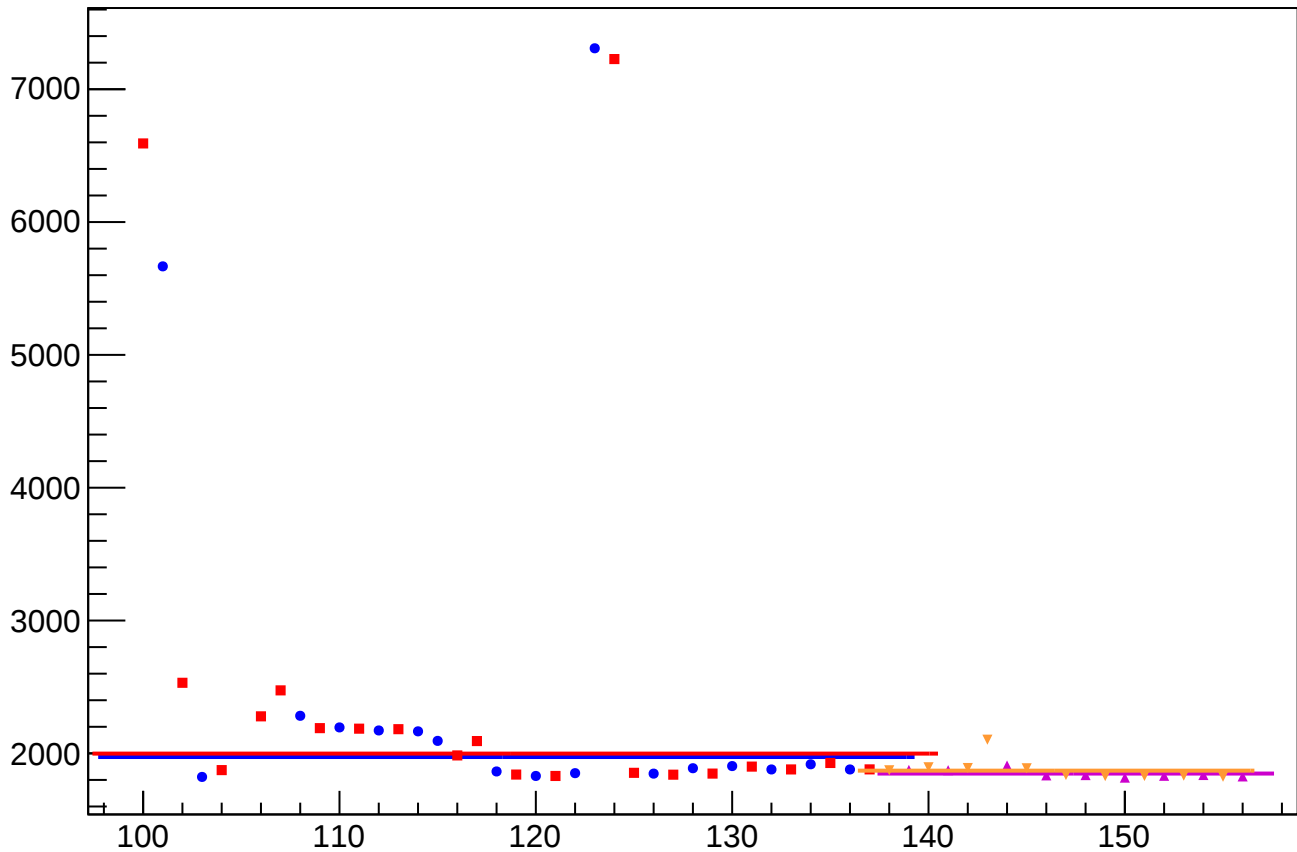
Right Out: -1609.604+/-763.815 $\chi^2/\text{NDF}: 17.5/19$

Left In: -2426.203+/-682.804 $\chi^2/\text{NDF}: 17.9/8$

2354.908+/-518.458 $\chi^2/\text{NDF}: 26.0/26$

-2063.490+/-509.055 $\chi^2/\text{NDF}: 36.1/28$

reg_asym_at1_avg_rms vs Slug



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

Left Out: 1869.765+/-0.489 χ^2/NDF : 20357.4/9

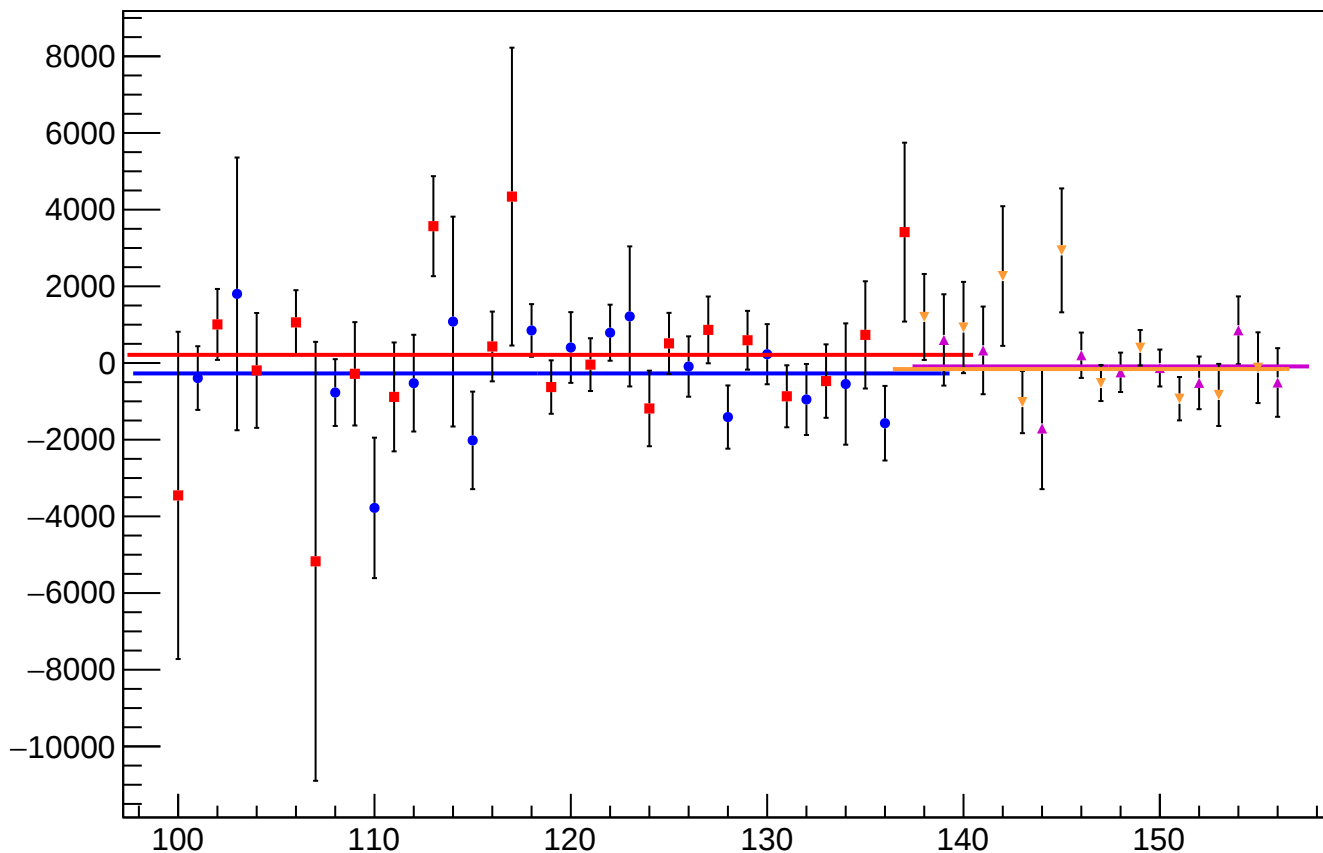
1914.706+/-0.367 χ^2/NDF : 640547.0/26

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

1914.663+/-0.360 χ^2/NDF : 402109.9/28

Left In: 1847.947+/-0.483 χ^2/NDF : 3386.4/8

asym_at1_avg_correction_mean vs Slug



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

Left Out: -157.884+/-230.995 χ^2/NDF : 13.5/9

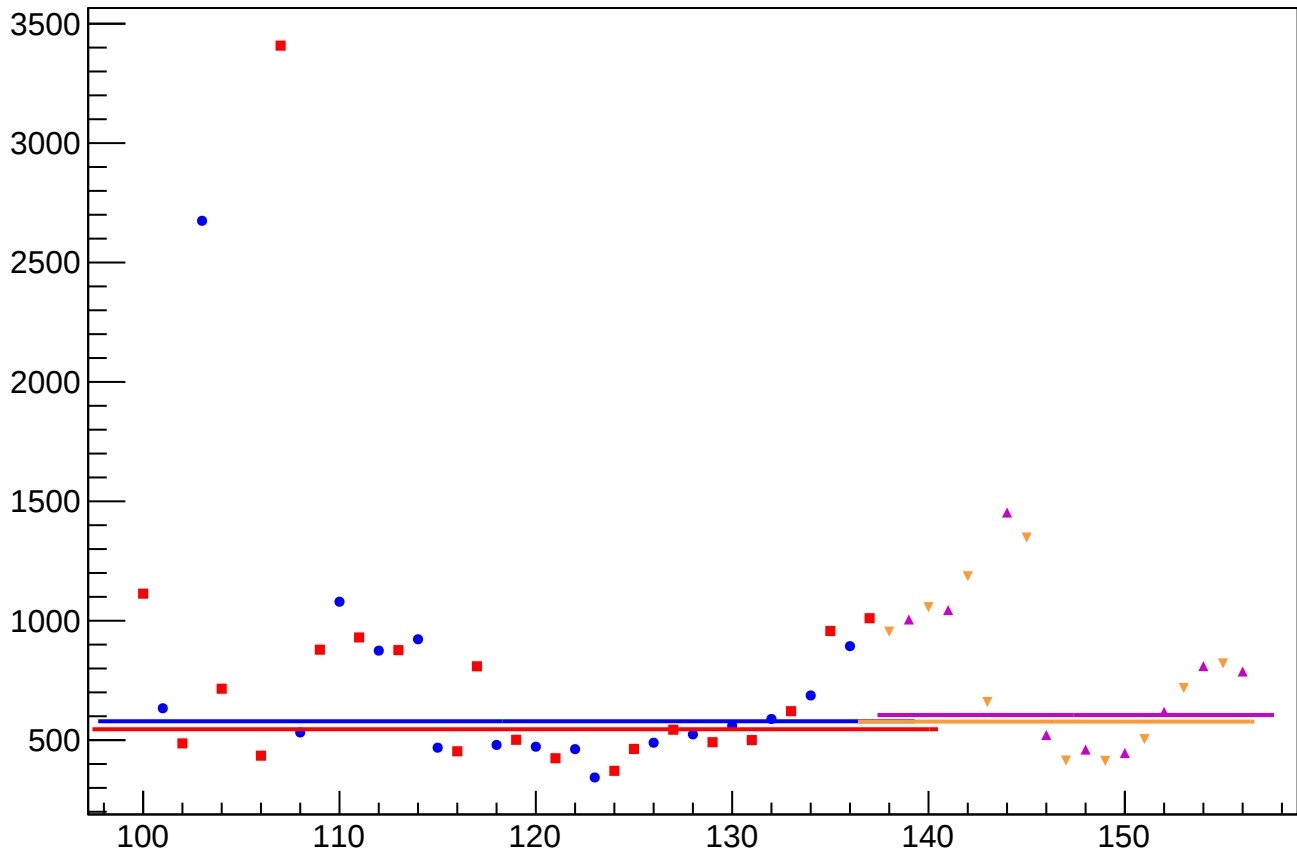
Right Out: 212.774+/-228.638 χ^2/NDF : 20.9/19

Left In: -88.743+/-239.179 χ^2/NDF : 3.6/8

-212.601+/-166.502 χ^2/NDF : 30.8/26

68.806+/-165.272 χ^2/NDF : 25.3/28

asym_at1_avg_correction_rms vs Slug



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

Left Out: 577.676 ± 0.163 χ^2/NDF : 1976399.6/9

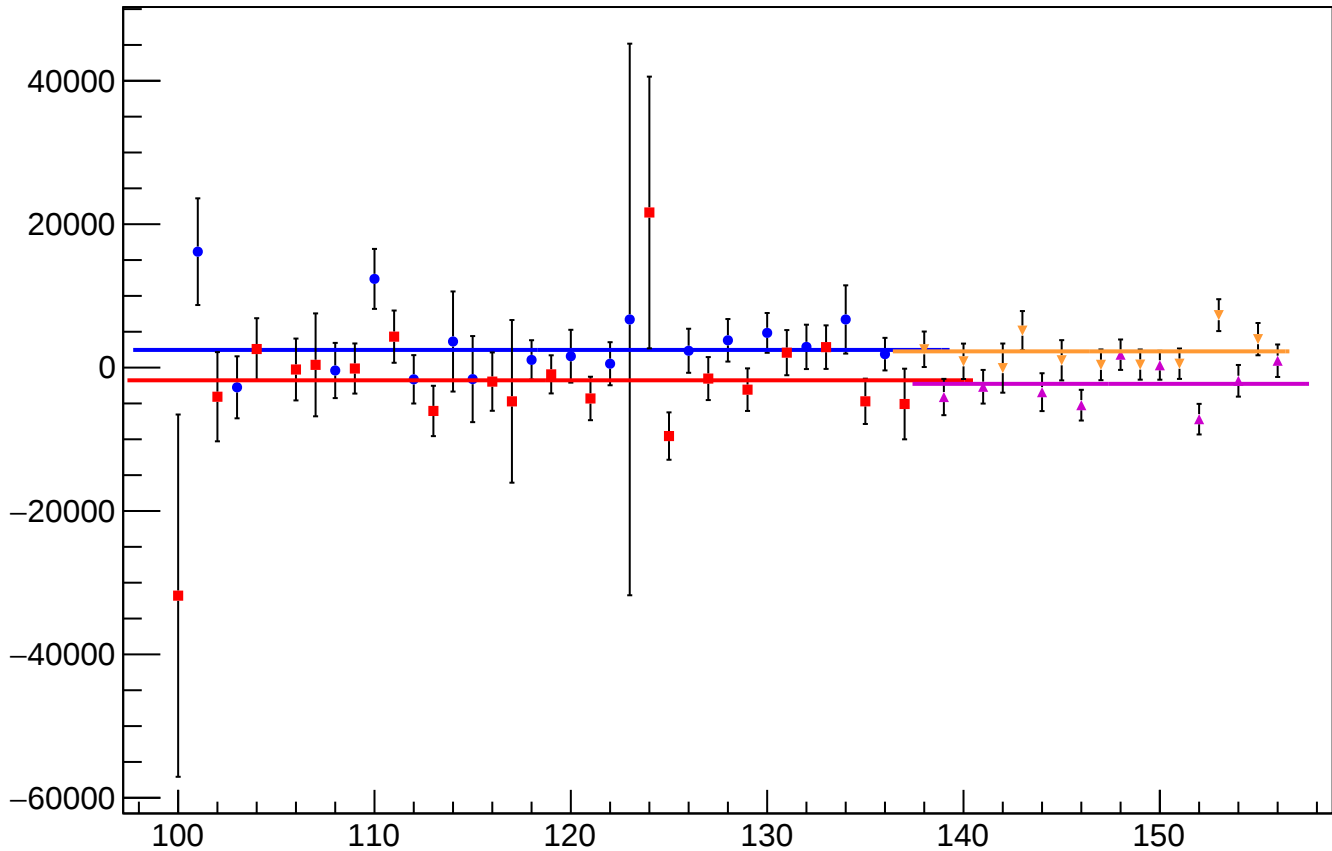
Right Out: 545.590 ± 0.162 χ^2/NDF : 1467038.8/19

Left In: 605.197 ± 0.169 χ^2/NDF : 1702607.7/8

578.317 ± 0.118 χ^2/NDF : 3398580.2/26

574.051 ± 0.117 χ^2/NDF : 3234552.4/28

asym_at1_avg_mean vs Slug



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

Left Out: 2264.232+/-758.407 χ^2/NDF : 10.0/9

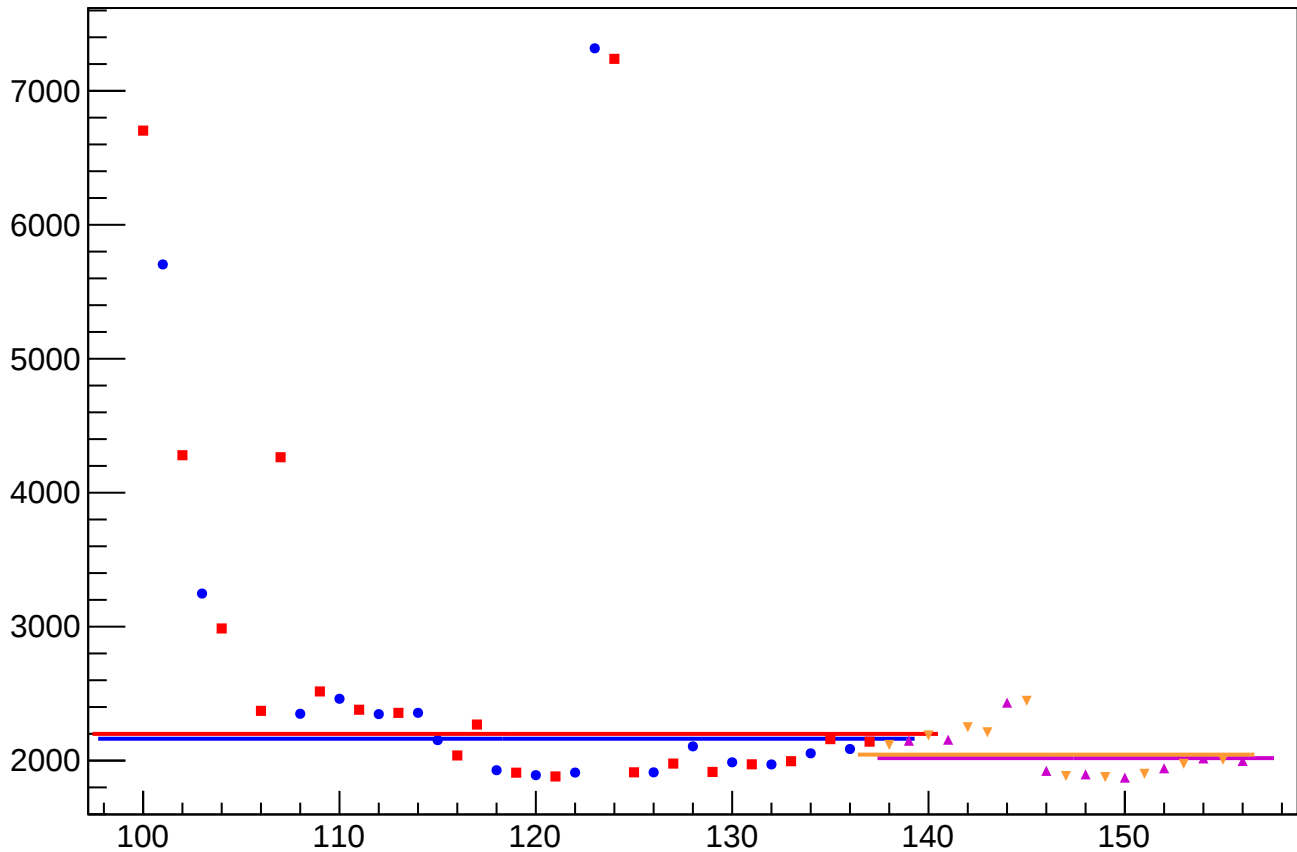
Right Out: -1773.396+/-850.889 χ^2/NDF : 20.5/19

Left In: -2266.968+/-747.968 χ^2/NDF : 15.4/8

2351.293+/-569.741 χ^2/NDF : 25.6/26

-2051.823+/-561.776 χ^2/NDF : 36.1/28

asym_at1_avg_rms vs Slug



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

Left Out: 2044.676+/-0.536 χ^2/NDF : 99372.7/9

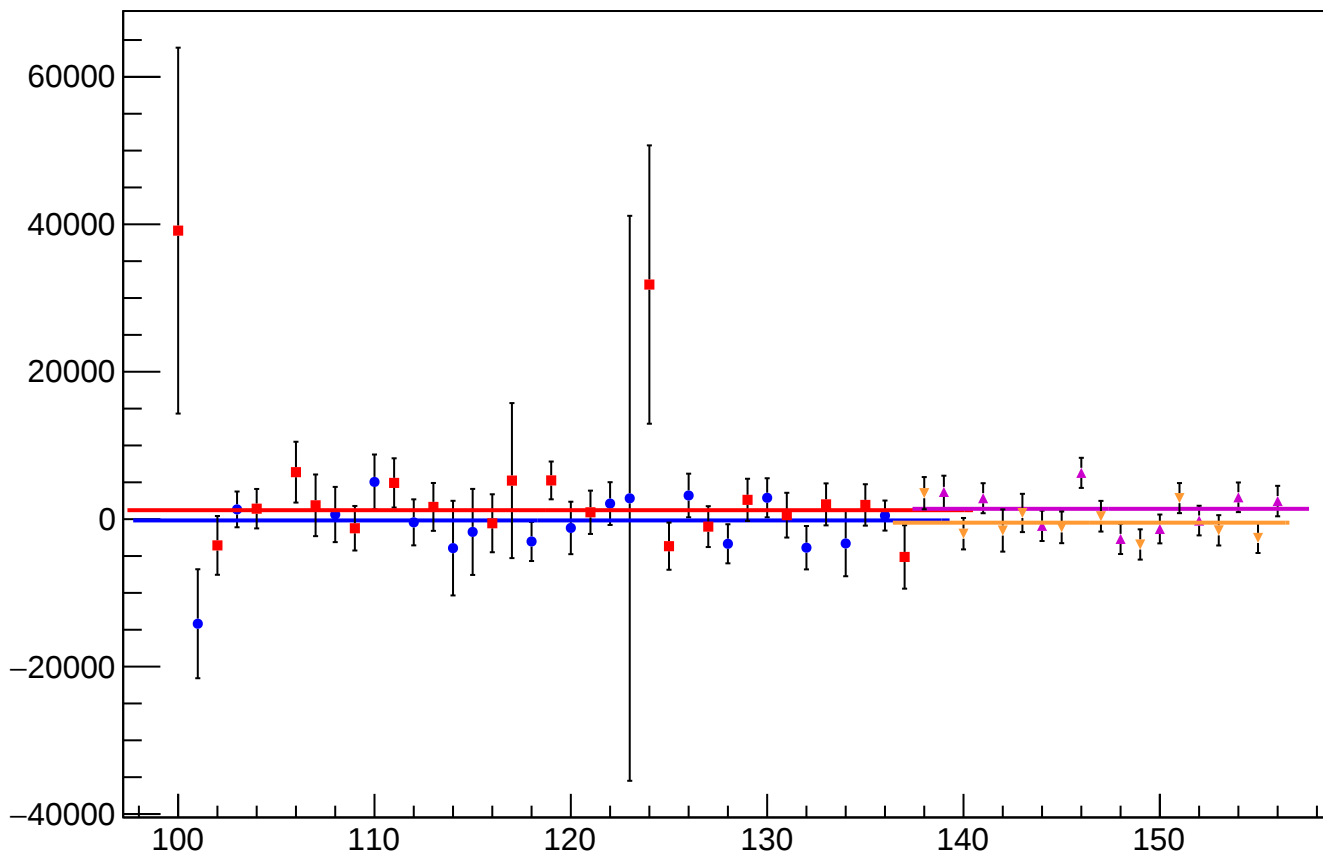
Right Out: 2199.398+/-0.602 χ^2/NDF : 803373.4/19

Left In: 2018.561+/-0.529 χ^2/NDF : 84973.2/8

2096.355+/-0.403 χ^2/NDF : 830274.3/26

2097.387+/-0.397 χ^2/NDF : 939305.5/28

reg_asym_at1_dd_mean vs Slug



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

Left Out: -476.441+/-690.054 χ^2/NDF :10.5/9

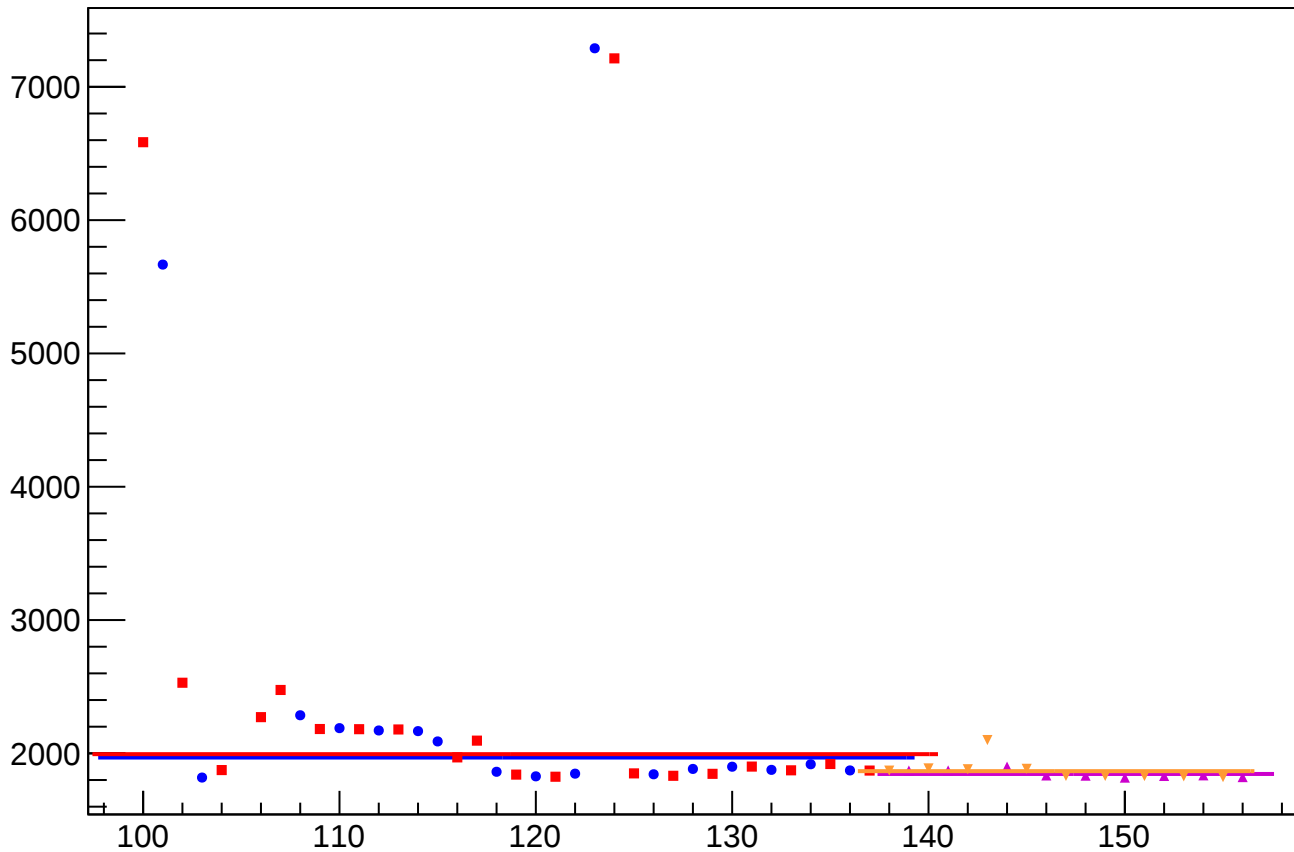
Right Out: 1218.753+/-762.243 χ^2/NDF : 18.3/19

Left In: 1403.018+/-681.851 χ^2/NDF :16.0/8

-342.515+/-517.522 χ^2/NDF : 25.1/26

1321.111+/-508.195 χ^2/NDF : 34.3/28

reg_asym_at1_dd_rms vs Slug



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

Left Out: 1866.429+/-0.488 χ^2/NDF : 20081.4/9

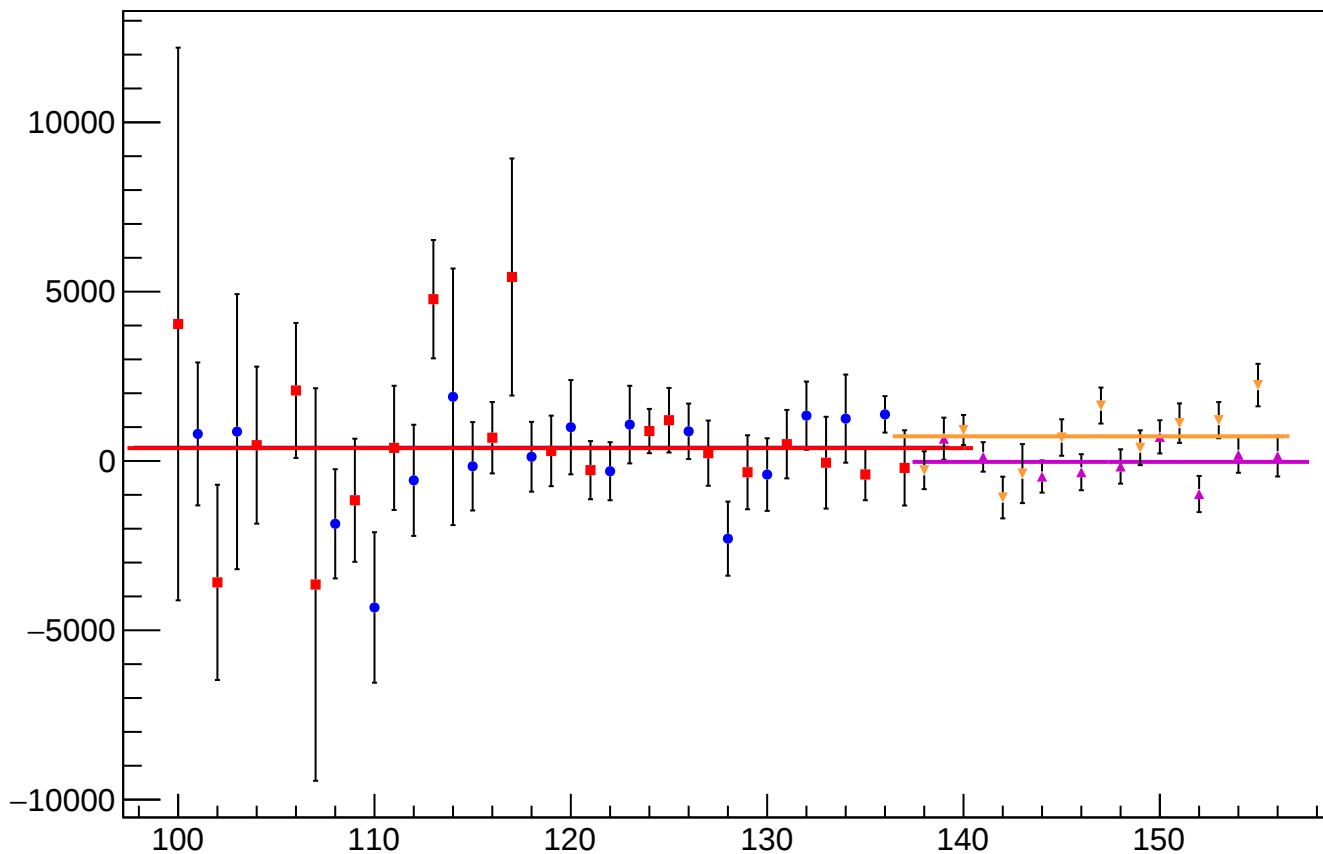
Right Out: 1993.958+/-0.539 χ^2/NDF : 356359.6/19

Left In: 1845.395+/-0.482 χ^2/NDF : 2994.8/8

1911.147+/-0.366 χ^2/NDF : 642250.1/26

1911.431+/-0.359 χ^2/NDF : 401557.8/28

asym_at1_dd_correction_mean vs Slug



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

Left Out: 728.006+/-176.845 χ^2/NDF : 24.0/9

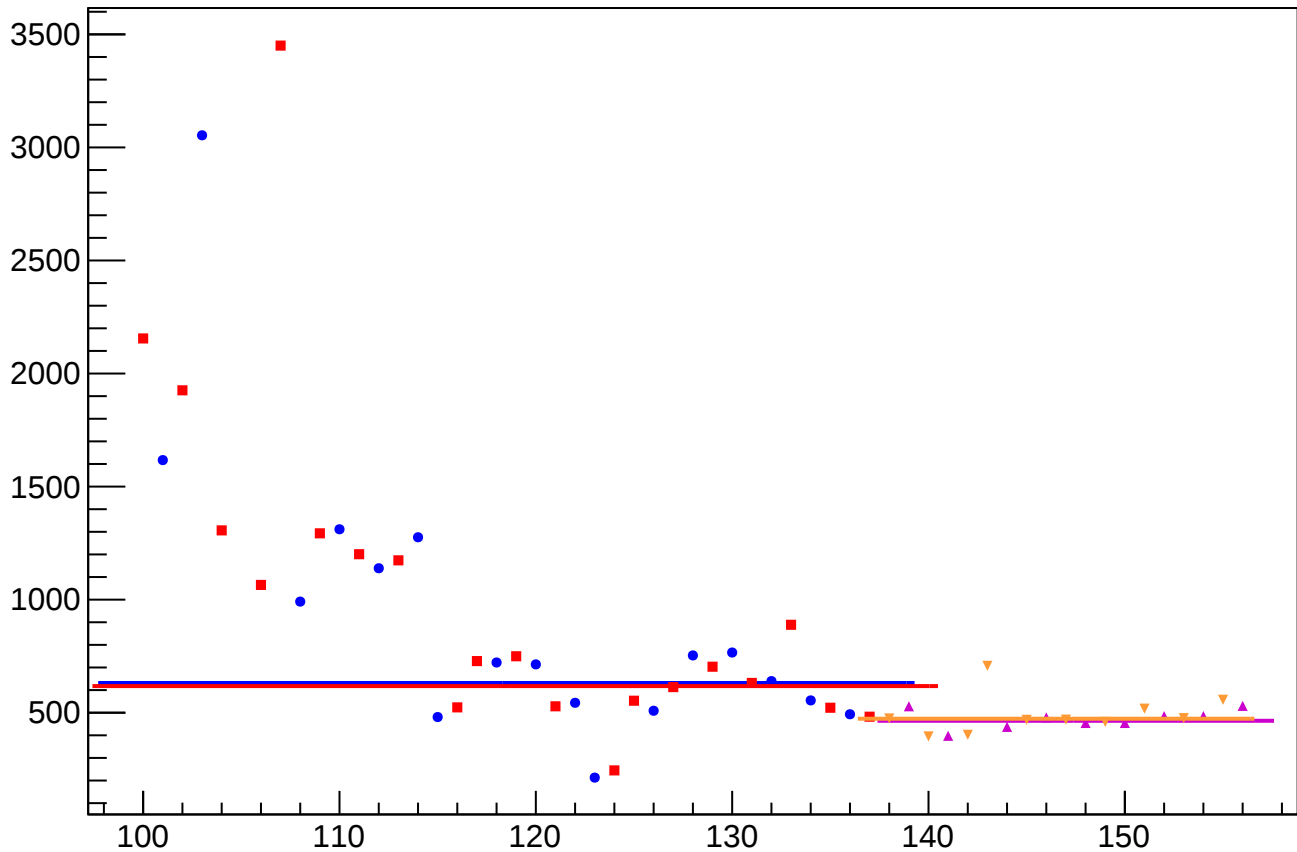
Right Out: 379.833+/-265.331 χ^2/NDF : 16.3/19

Left In: -26.913+/-172.225 χ^2/NDF : 8.2/8

626.878+/-147.958 χ^2/NDF : 45.2/26

93.658+/-144.460 χ^2/NDF : 26.2/28

asym_at1_dd_correction_rms vs Slug



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

Left Out: 473.393+/-0.125 χ^2/NDF : 281933.8/9

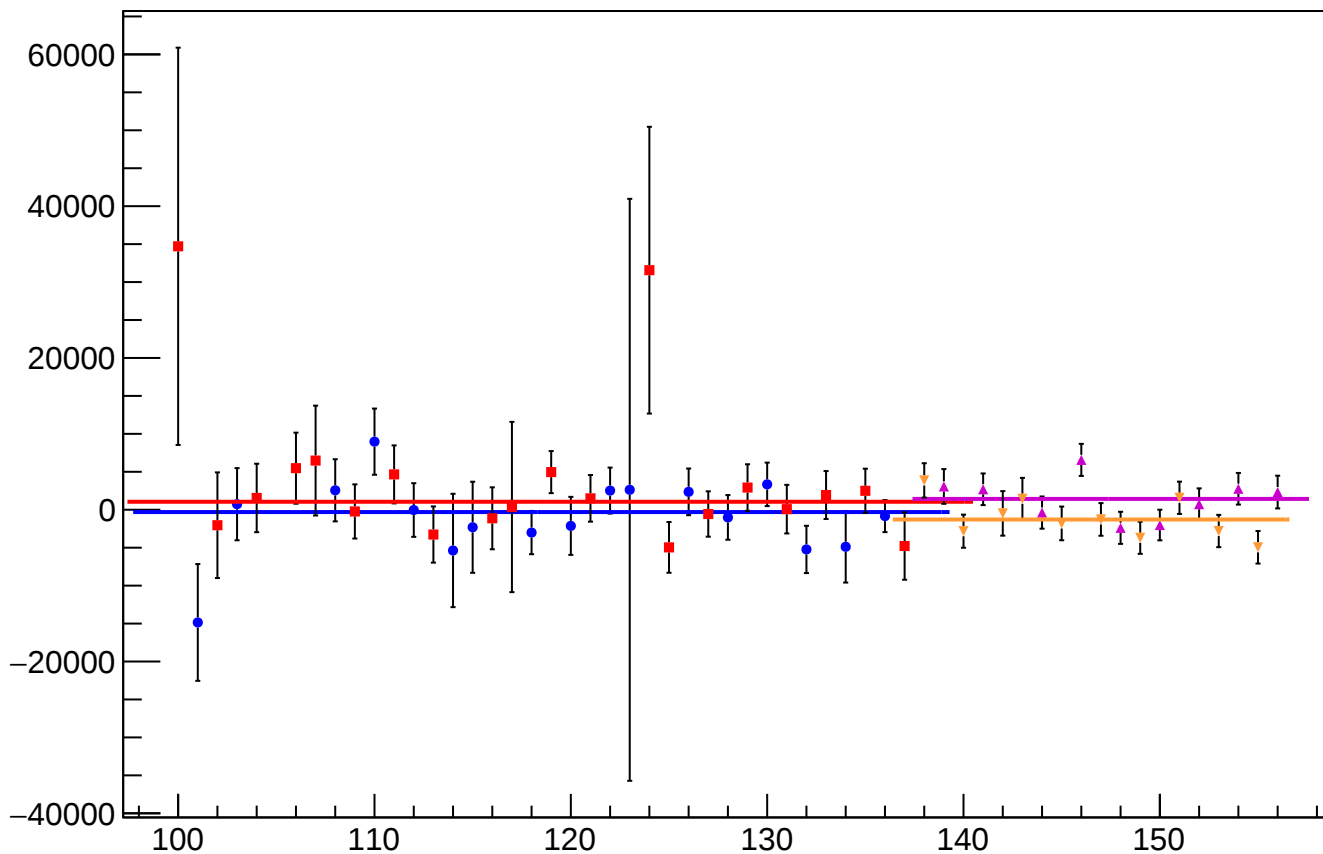
520.805+/-0.105 χ^2/NDF : 3021806.6/26

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

509.774+/-0.102 χ^2/NDF : 3381594.0/28

Left In: 464.313+/-0.122 χ^2/NDF : 107333.9/8

asym_at1_dd_mean vs Slug



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

Left Out: -1286.976 ± 715.059 χ^2/NDF : 13.3/9

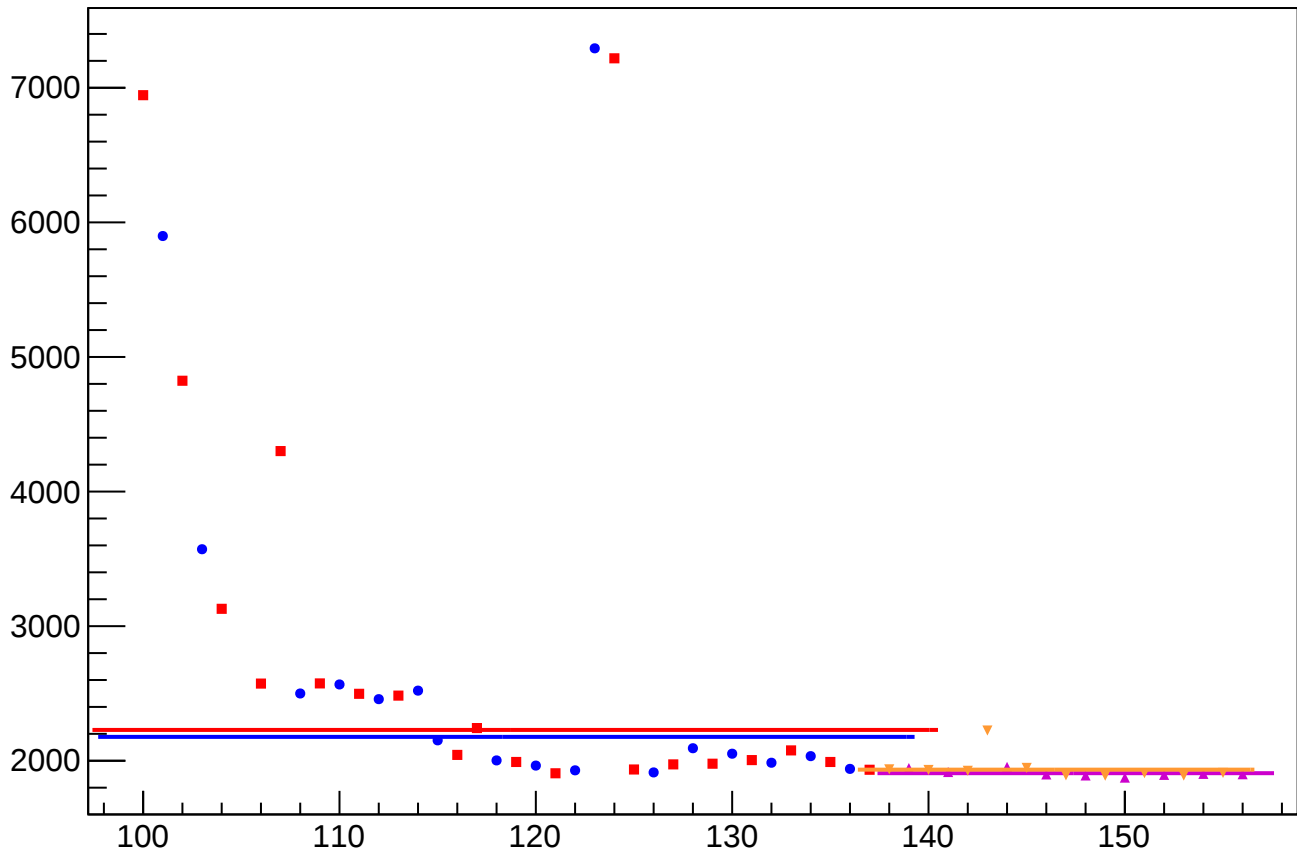
Right Out: 1052.718 ± 864.863 χ^2/NDF : 16.6/19

Left In: 1426.410 ± 704.780 χ^2/NDF : 14.4/8

-892.397 ± 552.907 χ^2/NDF : 31.2/26

1277.284 ± 546.346 χ^2/NDF : 31.2/28

asym_at1_dd_rms vs Slug



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

Left Out: 1933.964+/-0.506 χ^2 /NDF: 25557.5/9

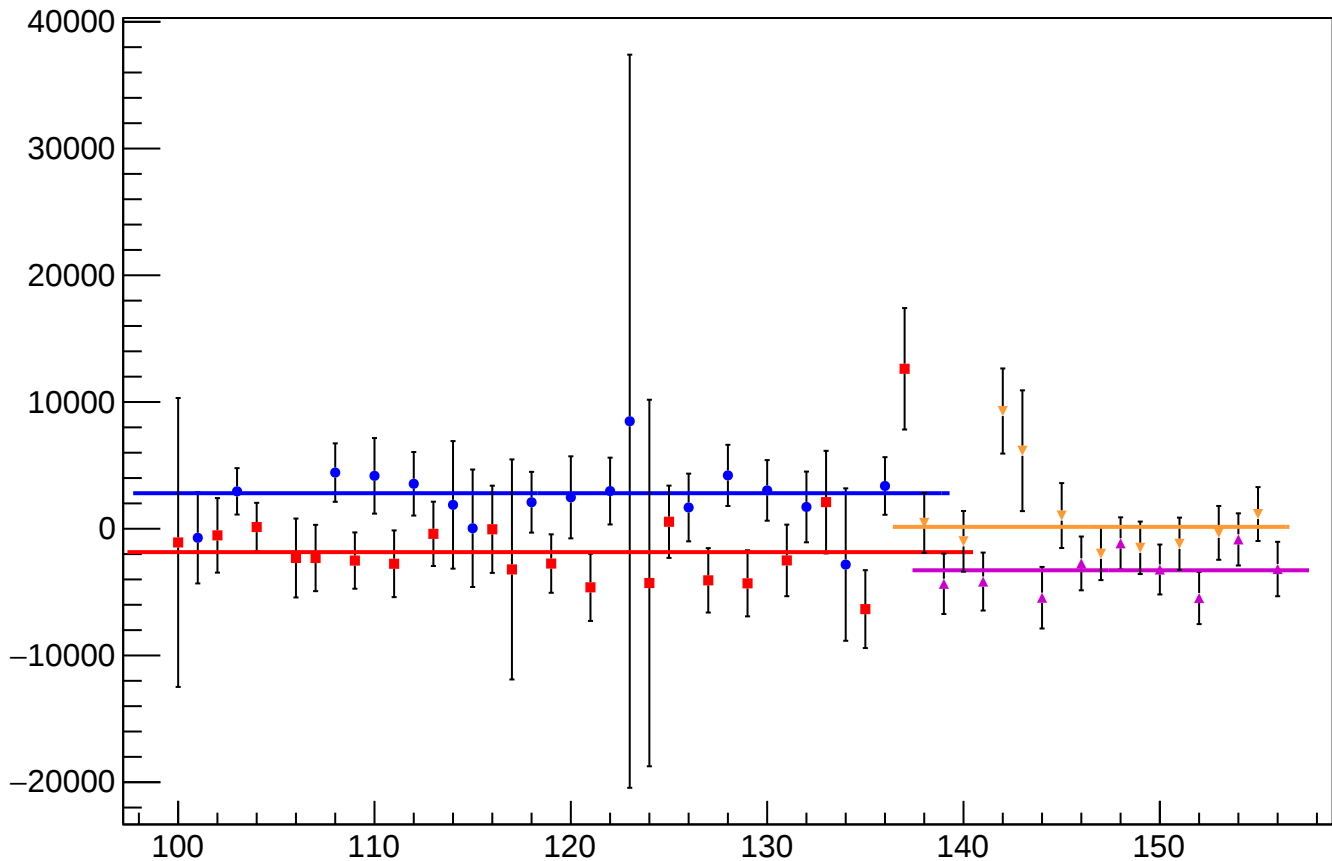
Right Out: 2229.096+/-0.612 χ^2 /NDF: 895812.2/19

Left In: 1907.688+/-0.498 χ^2 /NDF: 2367.8/8

2031.871+/-0.391 χ^2 /NDF: 921640.0/26

2035.950+/-0.386 χ^2 /NDF: 1064169.8/28

reg_asym_at2_avg_mean vs Slug



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

Left Out: 147.820+/-749.523 χ^2/NDF : 11.7/9

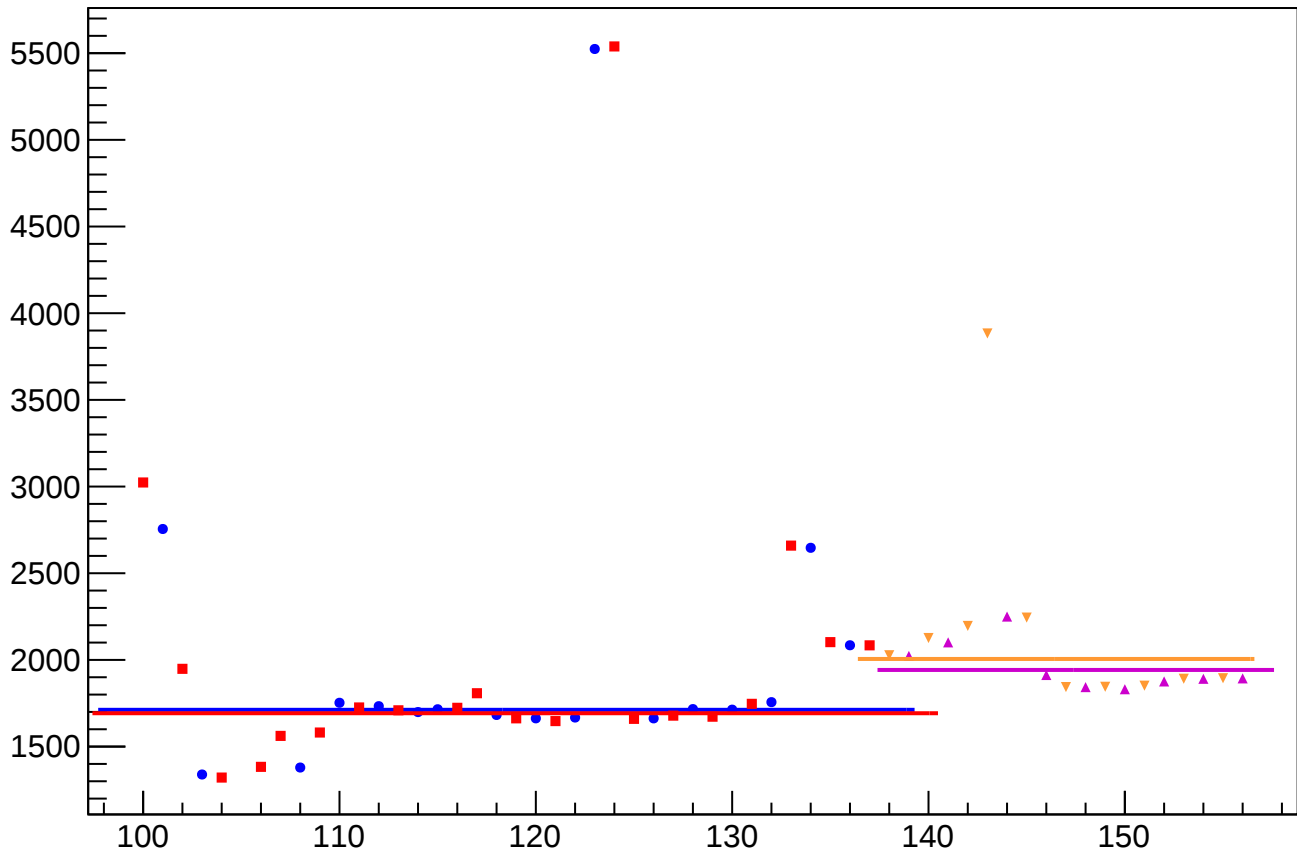
Right Out: -1844.945+/-653.448 χ^2/NDF : 18.1/19

Left In: -3278.581+/-717.246 χ^2/NDF : 4.8/8

1607.550+/-503.031 χ^2/NDF : 22.5/26

-2495.180+/-483.041 χ^2/NDF : 25.1/28

reg_asym_at2_avg_rms vs Slug



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

Left Out: 2005.537 ± 0.530 χ^2/NDF : 386124.8/9

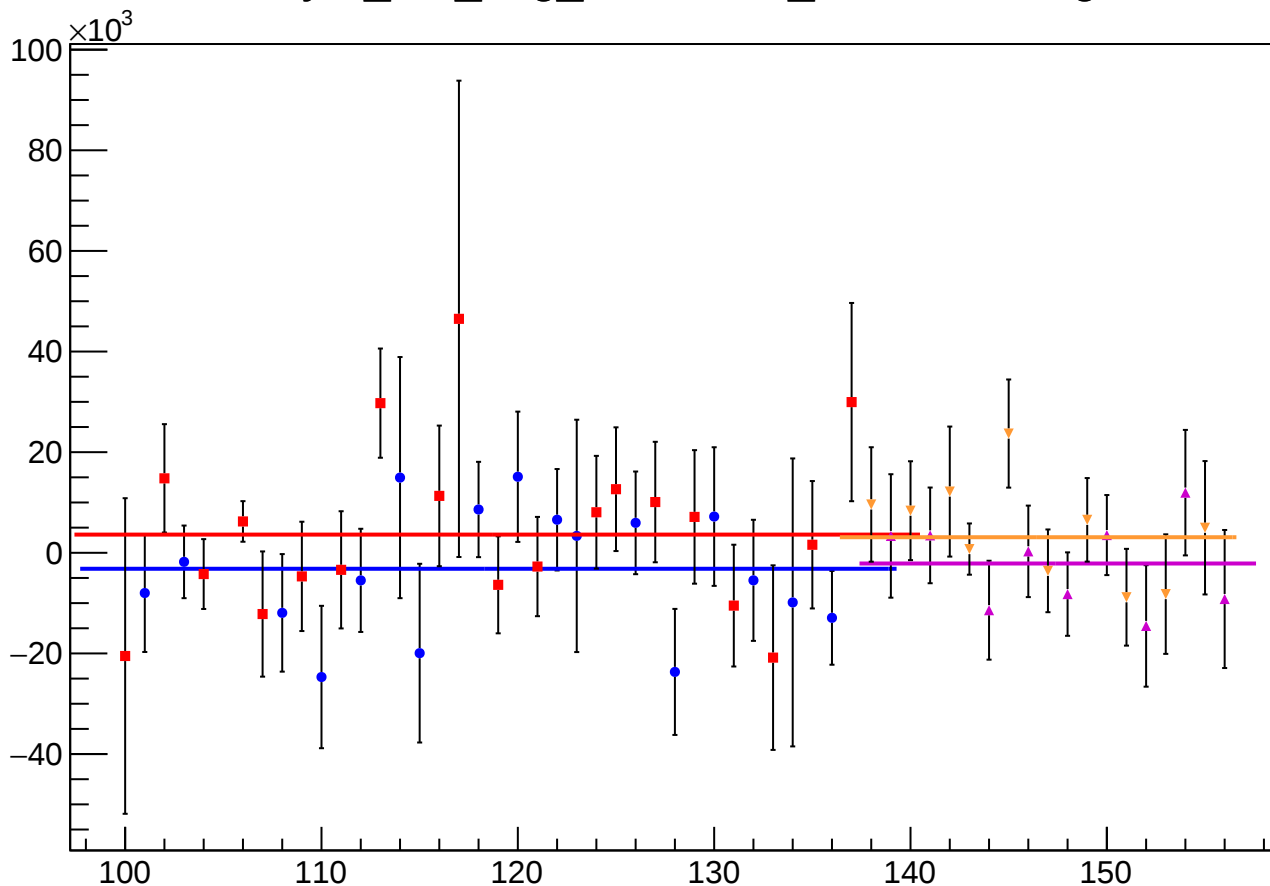
Right Out: 1692.404 ± 0.462 χ^2/NDF : 455277.5/19

Left In: 1942.124 ± 0.507 χ^2/NDF : 59891.1/8

1844.300 ± 0.356 χ^2/NDF : 987010.3/26

1805.665 ± 0.342 χ^2/NDF : 647648.0/28

asym_at2_avg_correction_mean vs Slug



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

Left Out: 3095.085 ± 2837.543 $\chi^2/\text{NDF}: 8.3/9$

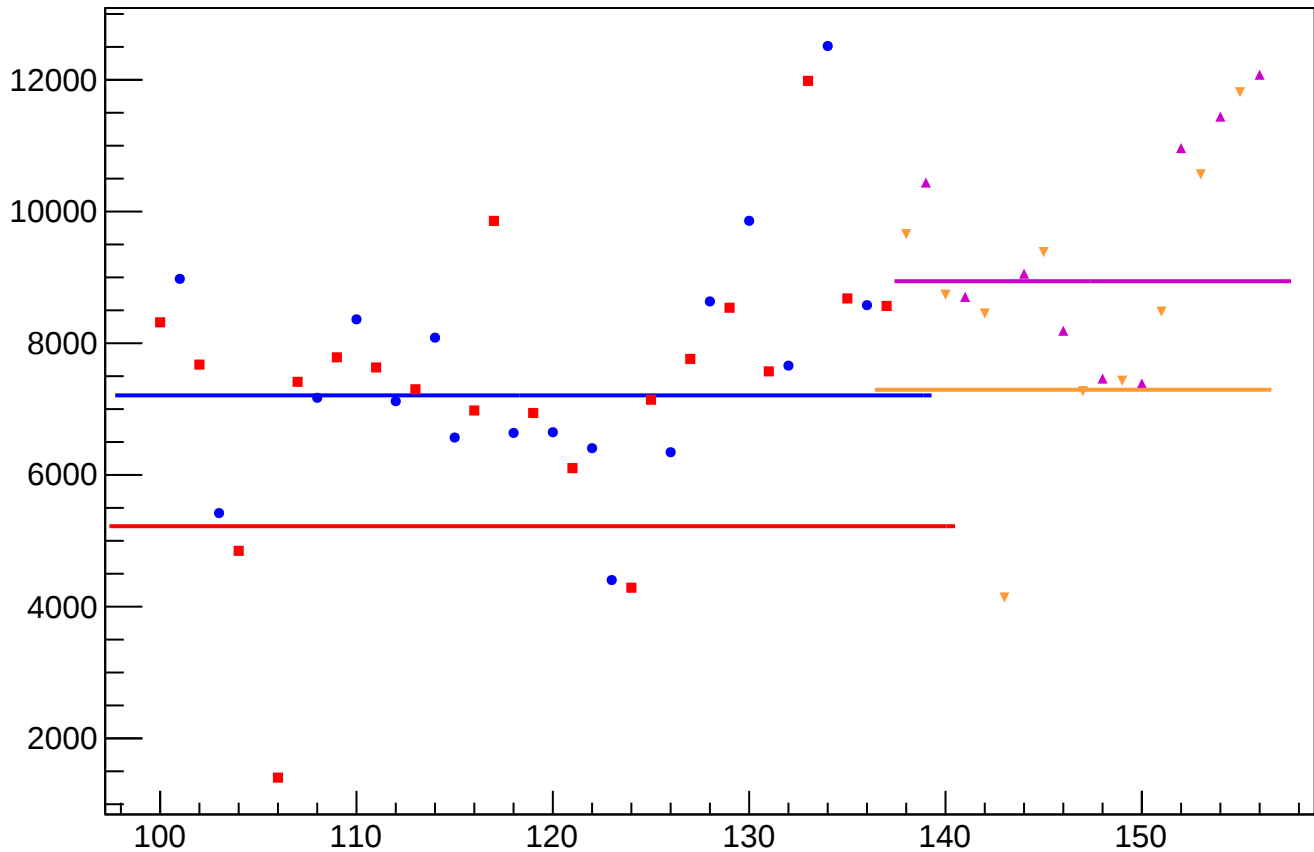
Right Out: 3618.416 ± 2263.938 $\chi^2/\text{NDF}: 20.3/19$

Left In: -2125.952 ± 3350.482 $\chi^2/\text{NDF}: 5.1/8$

-23.173 ± 2011.531 $\chi^2/\text{NDF}: 25.1/26$

1817.791 ± 1875.849 $\chi^2/\text{NDF}: 27.5/28$

asym_at2_avg_correction_rms vs Slug



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

Left Out: 7293.679+/-2.006 χ^2/NDF : 1403669.1/9

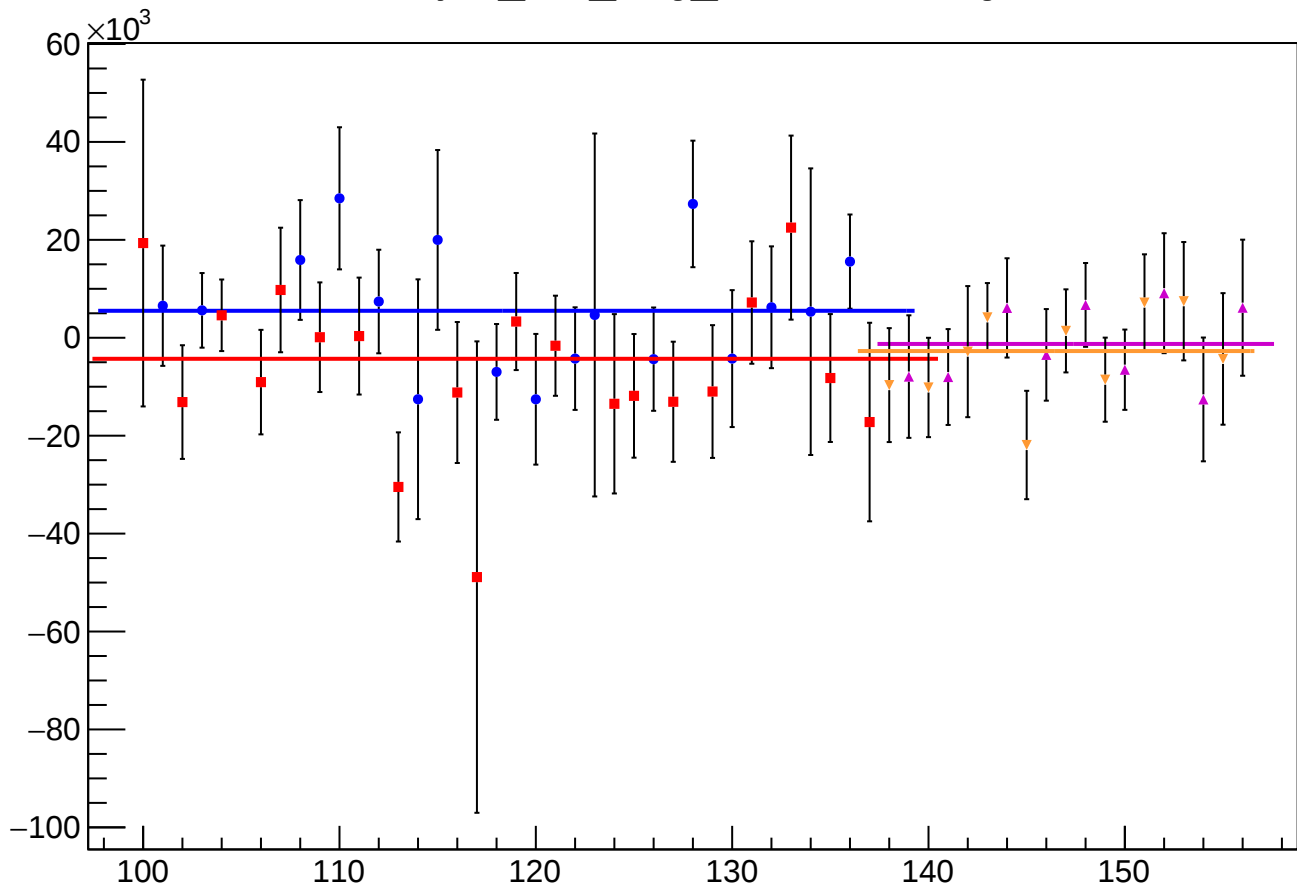
Right Out: 5221.816+/-1.601 χ^2/NDF : 3216100.5/19

Left In: 8942.248+/-2.369 χ^2/NDF : 425556.0/8

7251.339+/-1.422 χ^2/NDF : 1873866.2/26

6388.019+/-1.326 χ^2/NDF : 5334701.4/28

asym_at2_avg_mean vs Slug



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

Left Out: -2715.980 $\pm$ 3141.390 χ^2 /NDF: 7.3/9

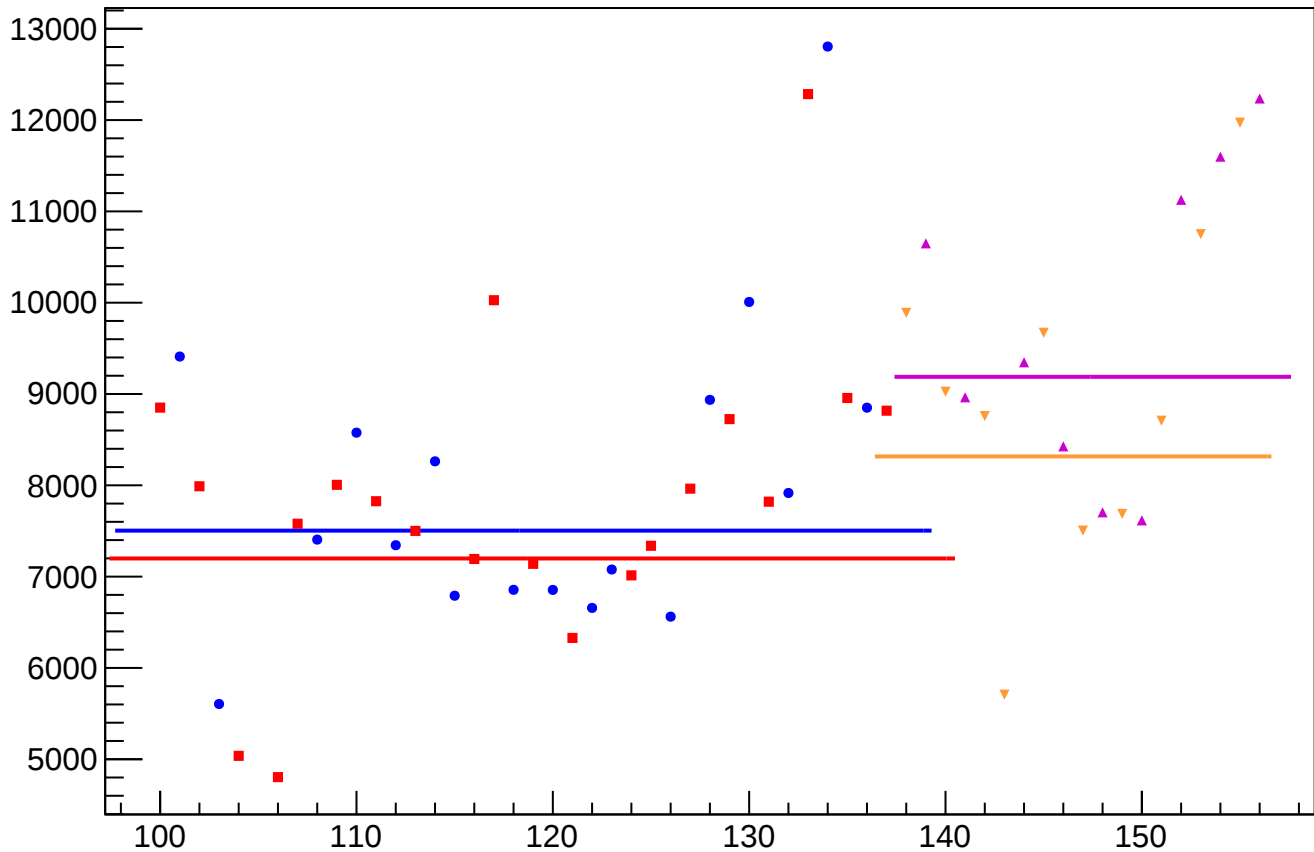
Right Out: -4295.824 $\pm$ 2785.538 χ^2 /NDF: 16.3/19

Left In: -1262.818 $\pm$ 3438.175 χ^2 /NDF: 4.4/8

1625.775 $\pm$ 2158.551 χ^2 /NDF: 25.0/26

-3093.911 $\pm$ 2164.351 χ^2 /NDF: 21.2/28

asym_at2_avg_rms vs Slug



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

Left Out: 8316.090+/-2.221 χ^2/NDF : 617169.9/9

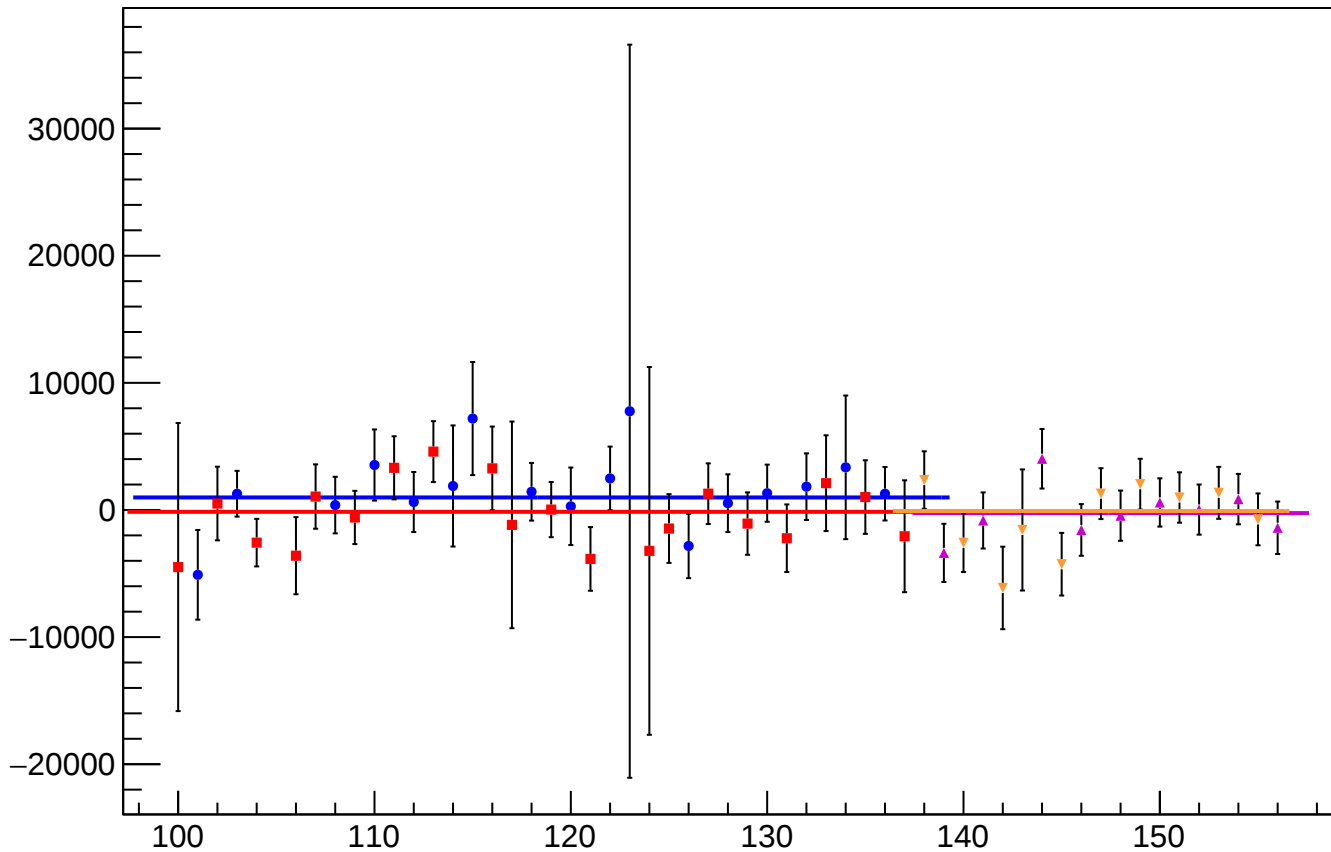
Right Out: 7198.728+/-1.969 χ^2/NDF : 564629.1/19

Left In: 9188.091+/-2.431 χ^2/NDF : 394794.3/8

7887.243+/-1.526 χ^2/NDF : 1115094.2/26

7986.947+/-1.530 χ^2/NDF : 1363704.2/28

reg_asym_at2_dd_mean vs Slug



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

Left Out: -82.503 ± 721.140 χ^2/NDF : 11.3/9

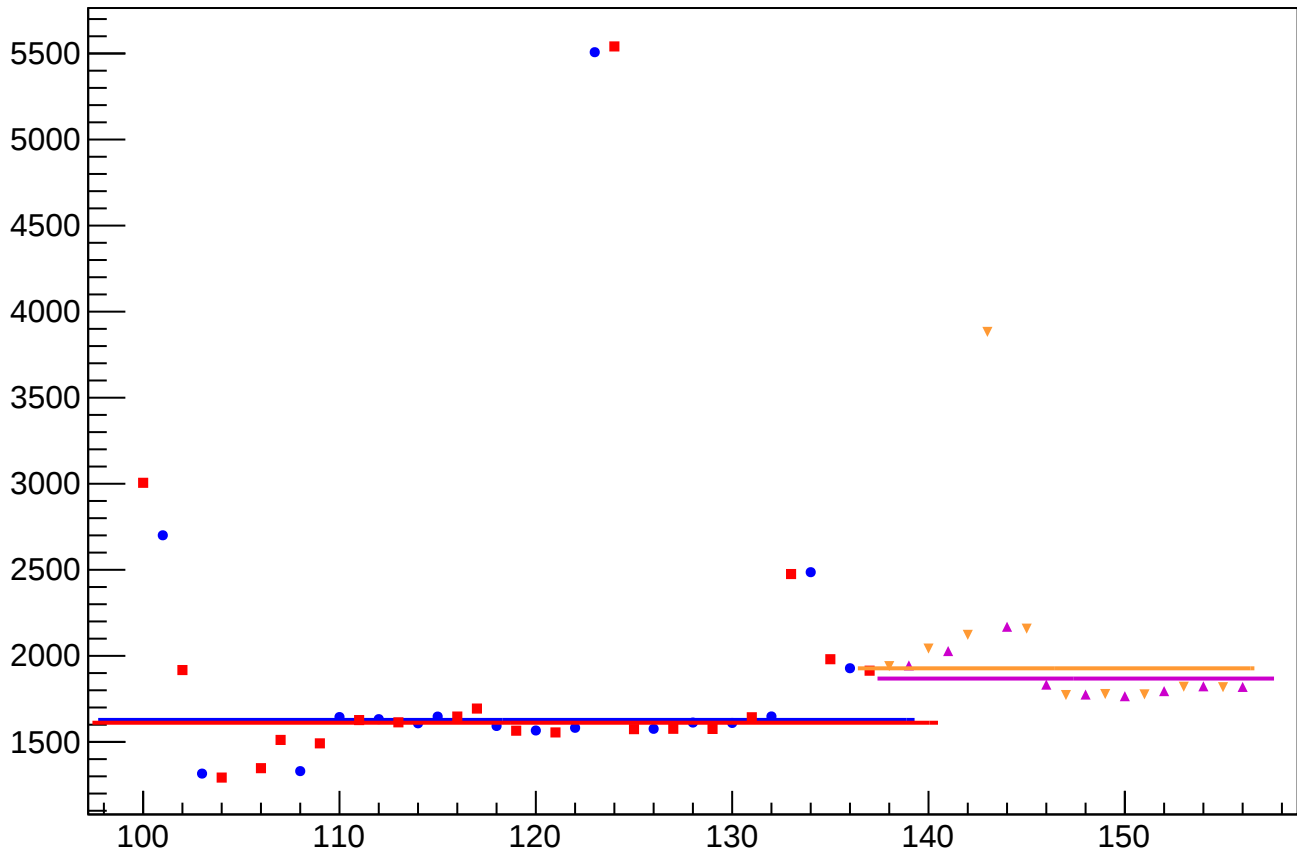
Right Out: -144.683 ± 621.728 χ^2/NDF : 14.7/19

Left In: -245.244 ± 689.954 χ^2/NDF : 6.5/8

511.114 ± 480.604 χ^2/NDF : 21.5/26

-189.747 ± 461.871 χ^2/NDF : 21.2/28

reg_asym_at2_dd_rms vs Slug



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

Left Out: 1927.612+/-0.510 χ^2/NDF : 412549.0/9

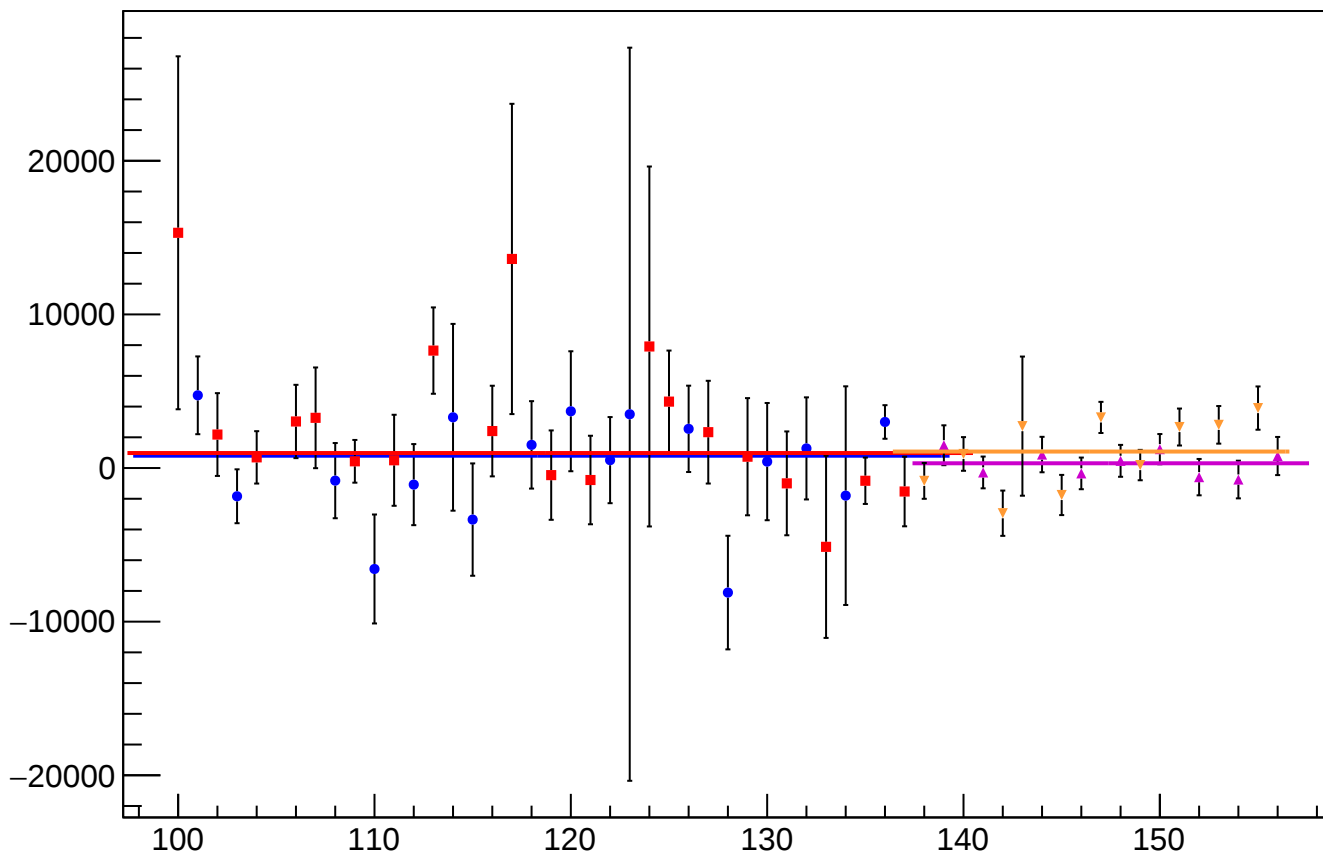
Right Out: 1611.433+/-0.440 χ^2/NDF : 434167.6/19

Left In: 1868.136+/-0.488 χ^2/NDF : 61508.8/8

1760.983+/-0.340 χ^2/NDF : 1011760.6/26

1726.468+/-0.327 χ^2/NDF : 648465.5/28

asym_at2_dd_correction_mean vs Slug



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

Left Out: 1072.794+/-391.637 χ^2/NDF : 28.3/9

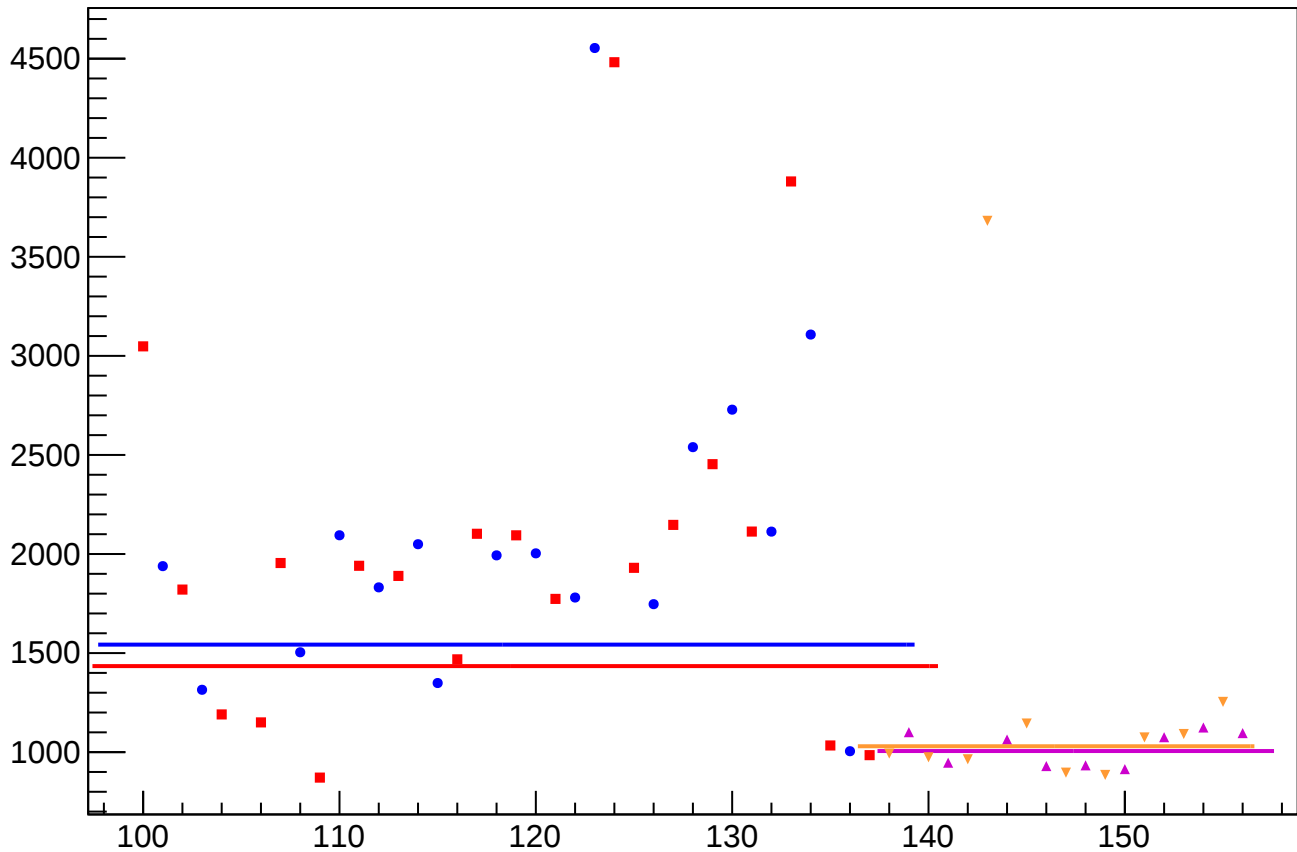
Right Out: 976.725+/-588.724 χ^2/NDF : 16.8/19

Left In: 309.466+/-372.447 χ^2/NDF : 4.2/8

997.896+/-332.854 χ^2/NDF : 50.9/26

500.189+/-314.750 χ^2/NDF : 21.9/28

asym_at2_dd_correction_rms vs Slug



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

Left Out: 1029.753+/-0.277 χ^2/NDF : 847902.4/9

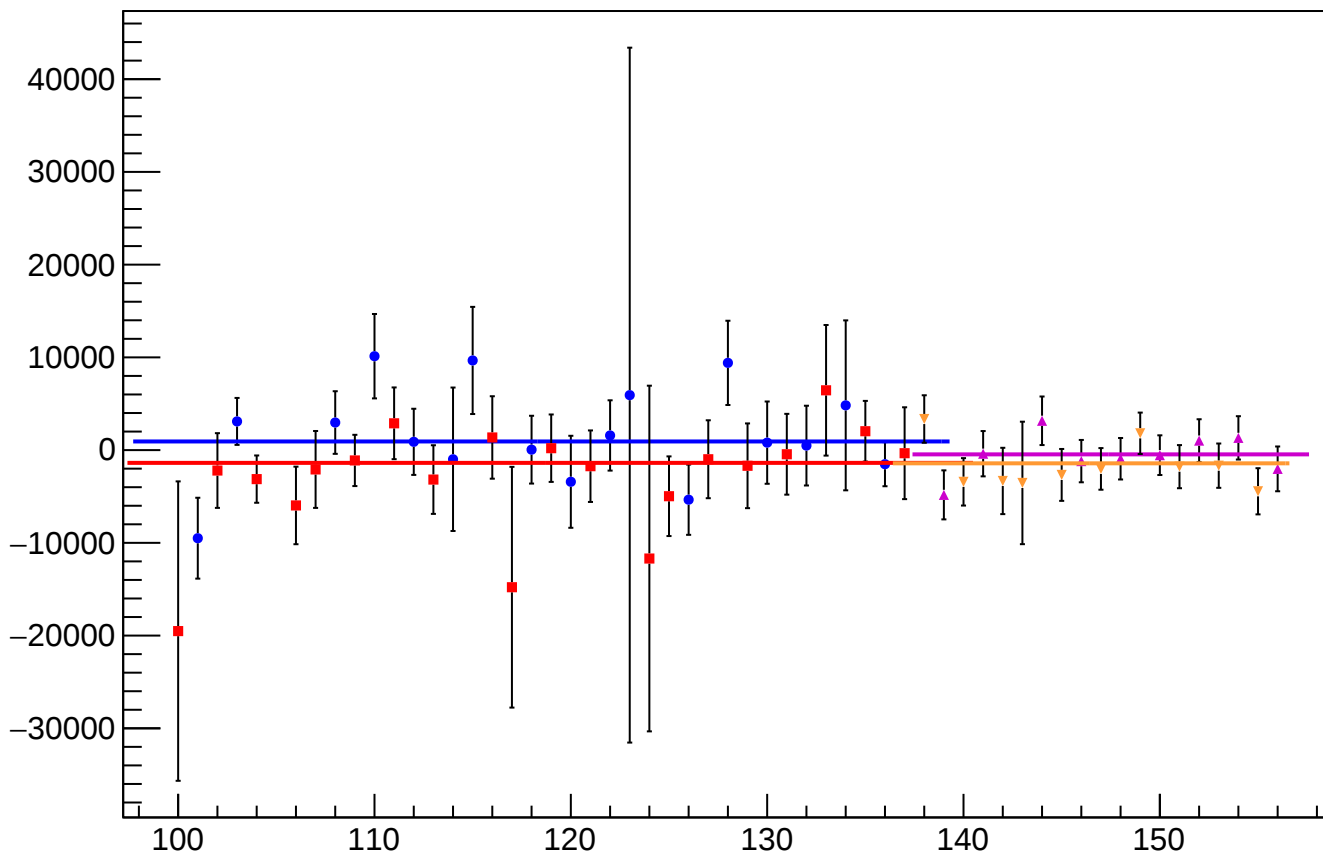
1172.181+/-0.235 χ^2/NDF : 3088499.5/26

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

1128.167+/-0.223 χ^2/NDF : 2686113.3/28

Left In: 1005.648+/-0.263 χ^2/NDF : 96346.7/8

asym_at2_dd_mean vs Slug



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -1425.314 ± 829.054 χ^2/NDF : 8.4/9

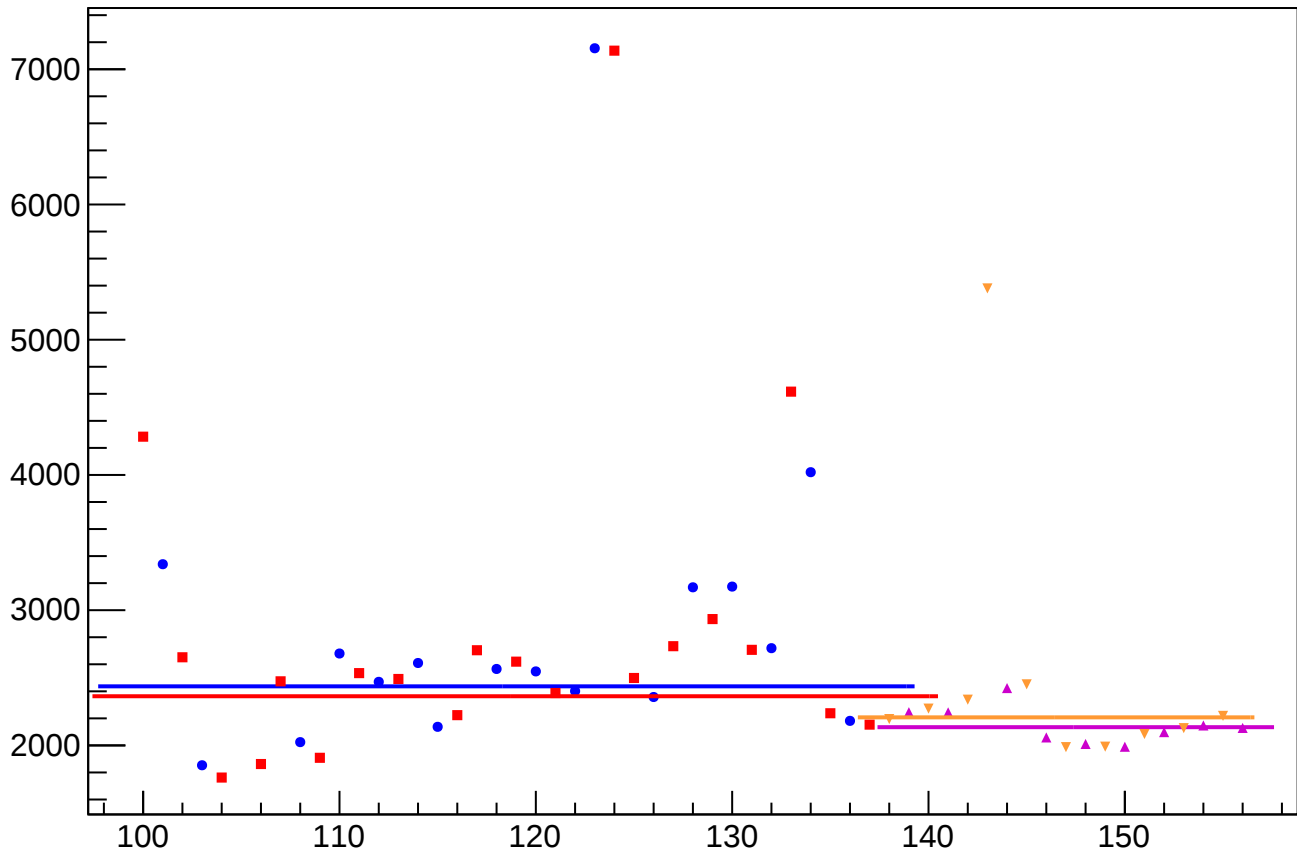
Right Out: -1375.966 ± 923.072 χ^2/NDF : 9.6/19

Left In: -459.171 ± 788.180 χ^2/NDF : 6.2/8

-427.422 ± 629.661 χ^2/NDF : 33.4/26

-845.747 ± 599.400 χ^2/NDF : 16.3/28

asym_at2_dd_rms vs Slug



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

Left Out: 2207.499+/-0.586 χ^2/NDF : 526653.3/9

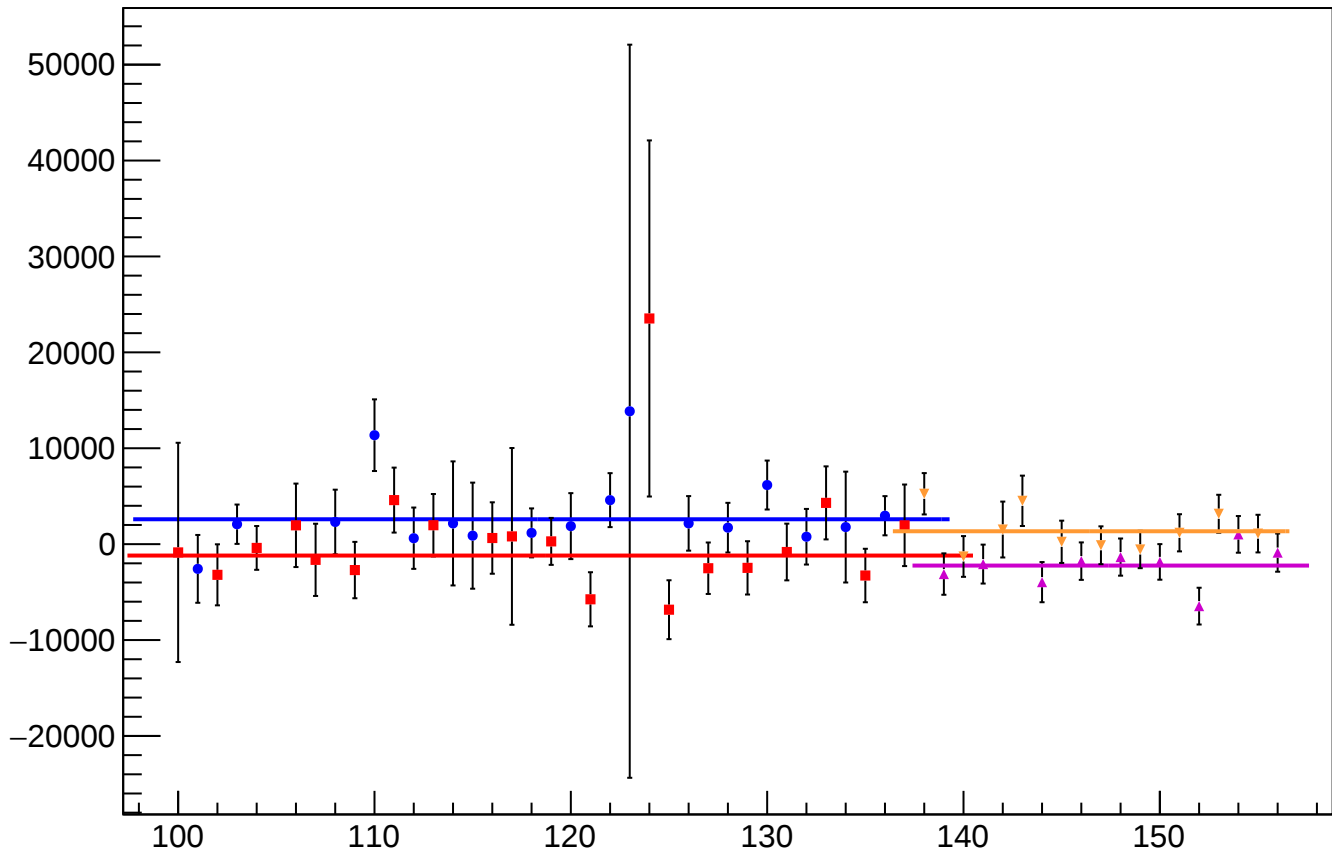
Right Out: 2363.609+/-0.653 χ^2/NDF : 657228.5/19

Left In: 2134.881+/-0.557 χ^2/NDF : 50034.0/8

2304.556+/-0.445 χ^2/NDF : 1060457.7/26

2231.327+/-0.424 χ^2/NDF : 778283.0/28

reg_asym_atl1r2_avg_mean vs Slug



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

Left Out: 1344.042 ± 673.184 χ^2/NDF : 8.9/9

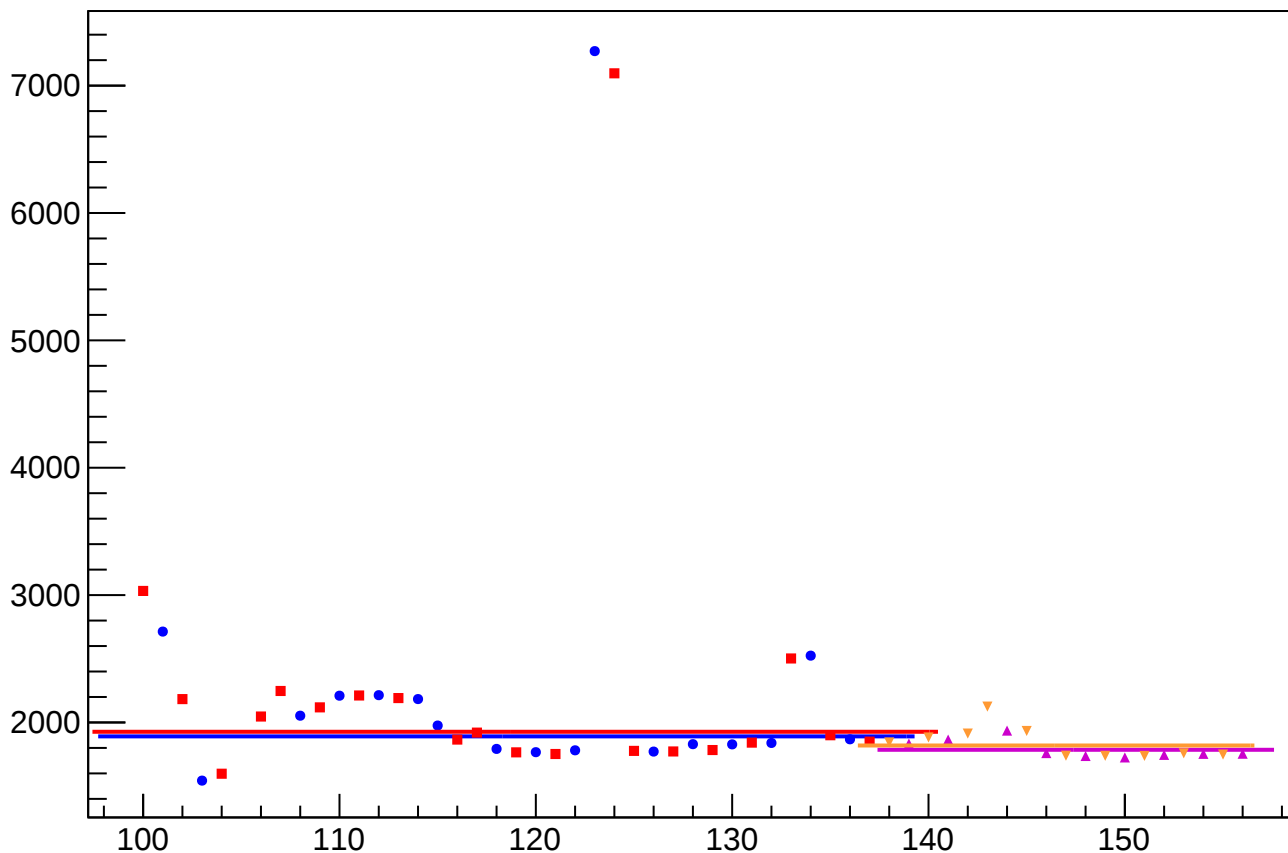
Right Out: -1189.680 ± 737.247 χ^2/NDF : 17.3/19

Left In: -2233.728 ± 659.128 χ^2/NDF : 9.4/8

1907.857 ± 498.874 χ^2/NDF : 22.1/26

-1769.930 ± 491.380 χ^2/NDF : 27.8/28

reg_asym_atl1r2_avg_rms vs Slug



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

Left Out: 1819.157 ± 0.476 χ^2/NDF : 51338.1/9

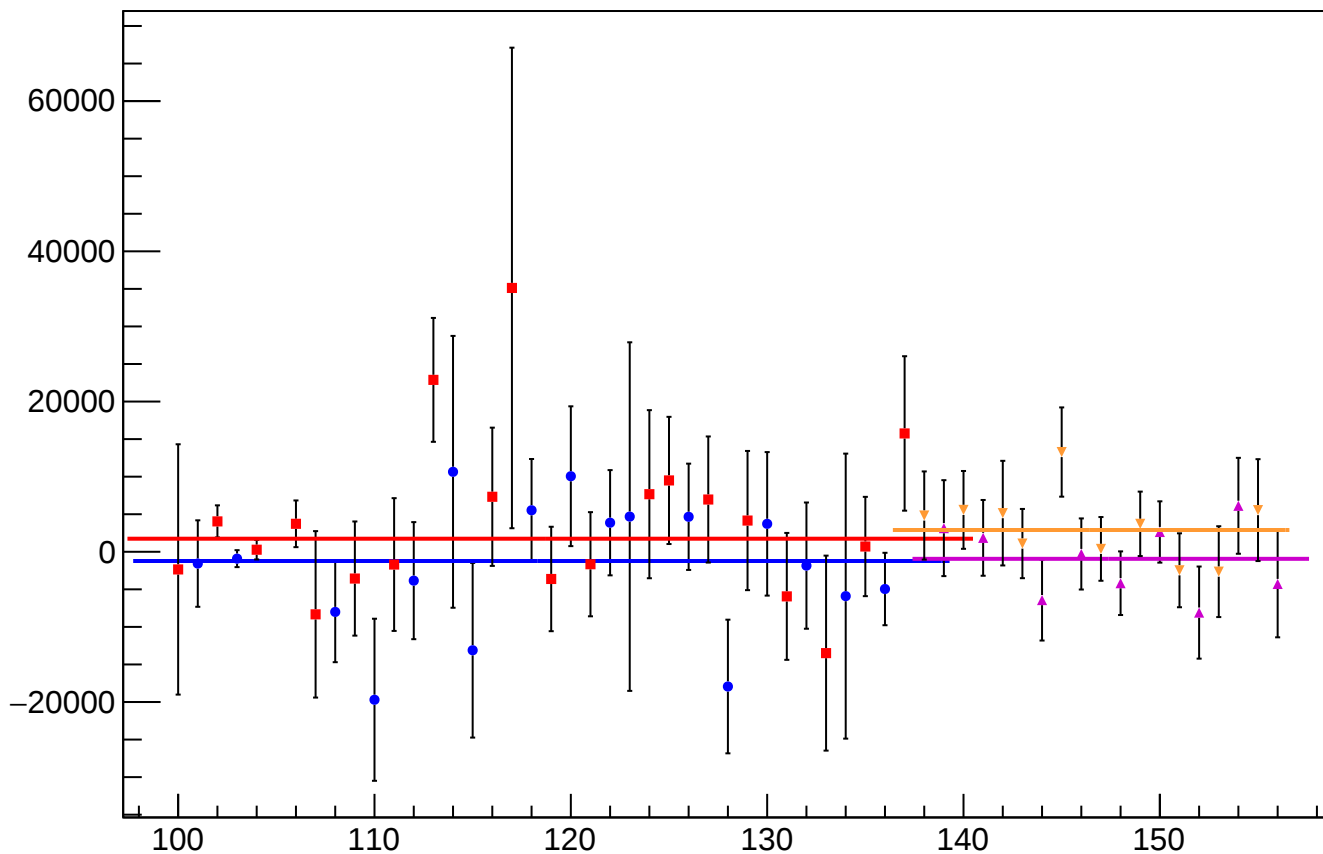
Right Out: 1926.906 ± 0.520 χ^2/NDF : 362255.6/19

Left In: 1785.383 ± 0.466 χ^2/NDF : 20095.2/8

1851.420 ± 0.353 χ^2/NDF : 350472.5/26

1848.361 ± 0.347 χ^2/NDF : 423381.1/28

asym_atl1r2_avg_correction_mean vs Slug



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

Left Out: 2900.268+/-1660.679 χ^2/NDF : 6.3/9

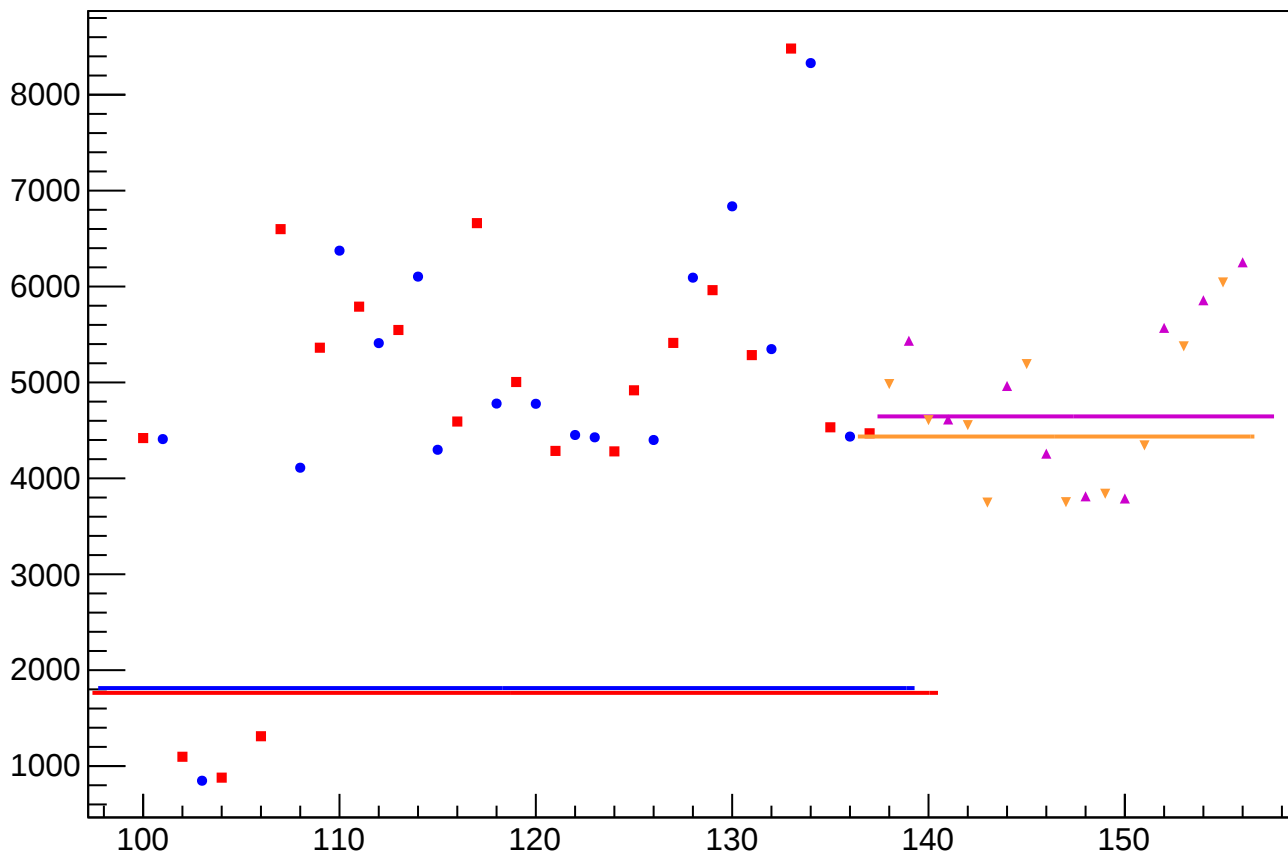
Right Out: 1740.671+/-941.173 χ^2/NDF : 18.9/19

Left In: -937.928+/-1741.736 χ^2/NDF : 5.9/8

-153.465+/-846.934 χ^2/NDF : 24.6/26

1135.300+/-828.017 χ^2/NDF : 26.7/28

asym_atl1r2_avg_correction_rms vs Slug



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

Left Out: 4436.053+/-1.174 χ^2/NDF : 349173.9/9

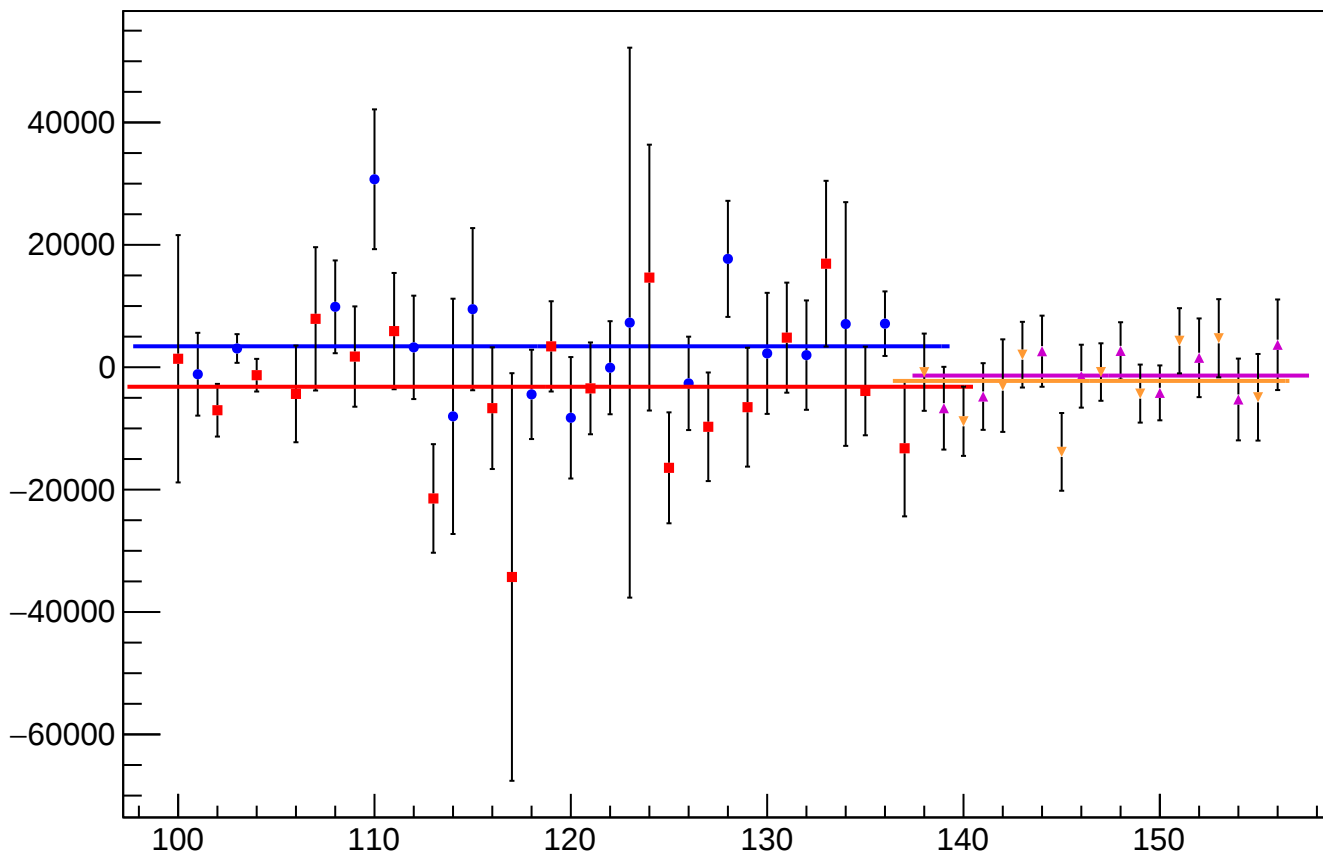
Right Out: 1763.378+/-0.666 χ^2/NDF : 6359993.8/19

Left In: 4645.890+/-1.232 χ^2/NDF : 435952.8/8

2495.381+/-0.599 χ^2/NDF : 10489562.2/26

2414.833+/-0.585 χ^2/NDF : 11035761.9/28

asym_atl1r2_avg_mean vs Slug



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: -2237.040+/-1817.119 χ^2/NDF : 8.5/9

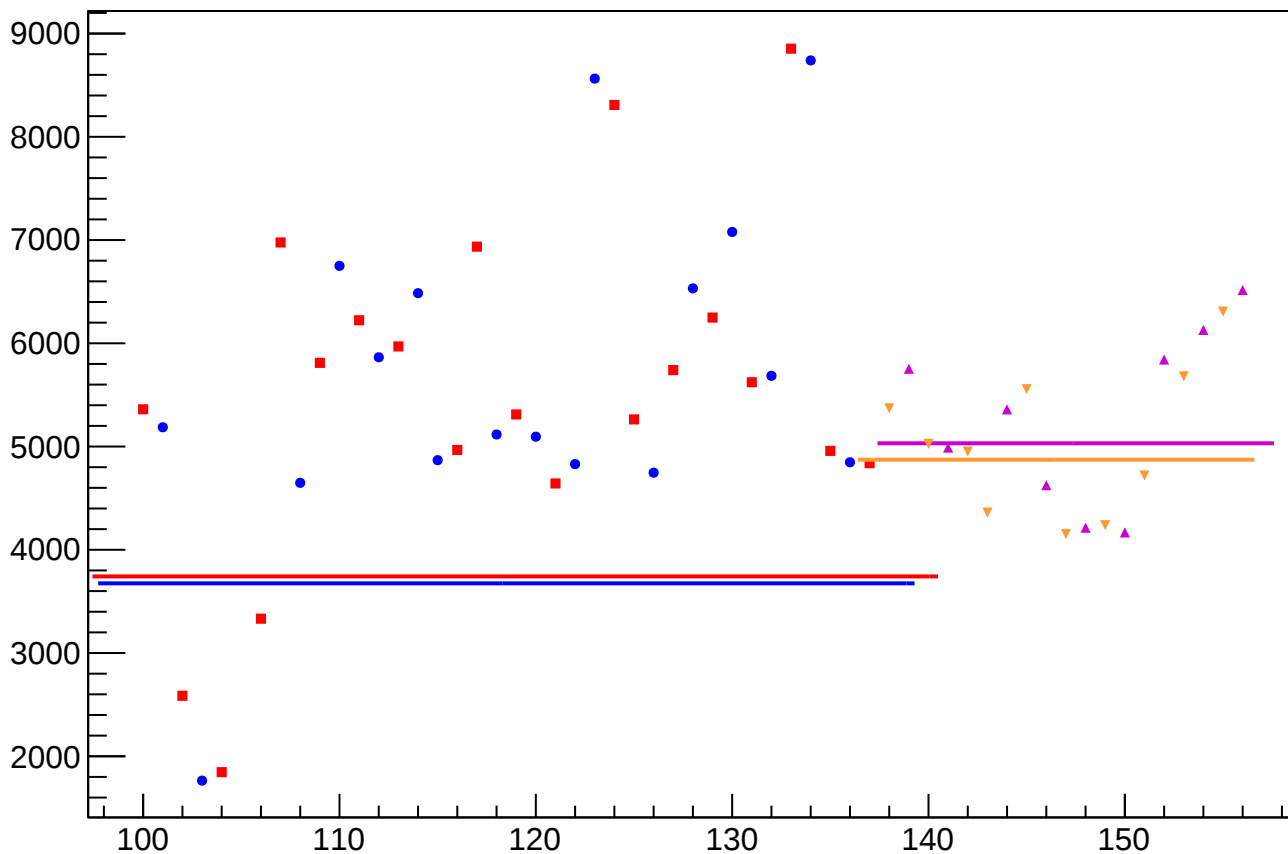
Right Out: -3190.143+/-1604.066 χ^2/NDF : 16.9/19

Left In: -1363.469+/-1879.591 χ^2/NDF : 3.6/8

938.586+/-1203.650 χ^2/NDF : 27.7/26

-2420.381+/-1220.144 χ^2/NDF : 21.1/28

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003+/-1.136 χ^2 /NDF: 2775085.7/16

Left Out: 4872.367+/-1.285 χ^2 /NDF:254108.4/9

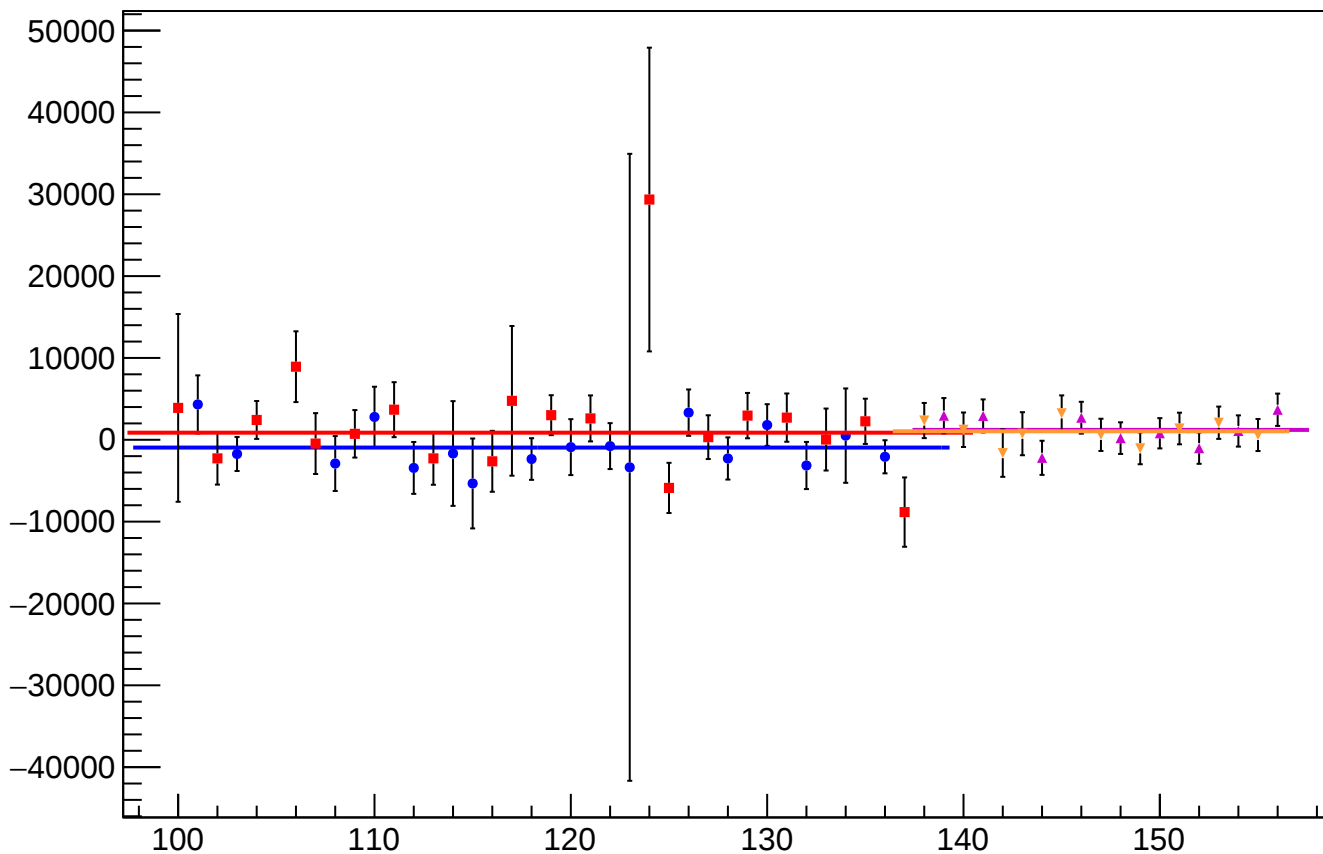
Right Out: 3742.124+/-1.127 χ^2 /NDF: 2712365.3/19

Left In: 5031.491+/-1.329 χ^2 /NDF:342979.9/8

4200.367+/-0.851 χ^2 /NDF: 3516564.2/26

4281.289+/-0.859 χ^2 /NDF: 3602938.3/28

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 1038.941+/-670.808 χ^2/NDF : 3.8/9

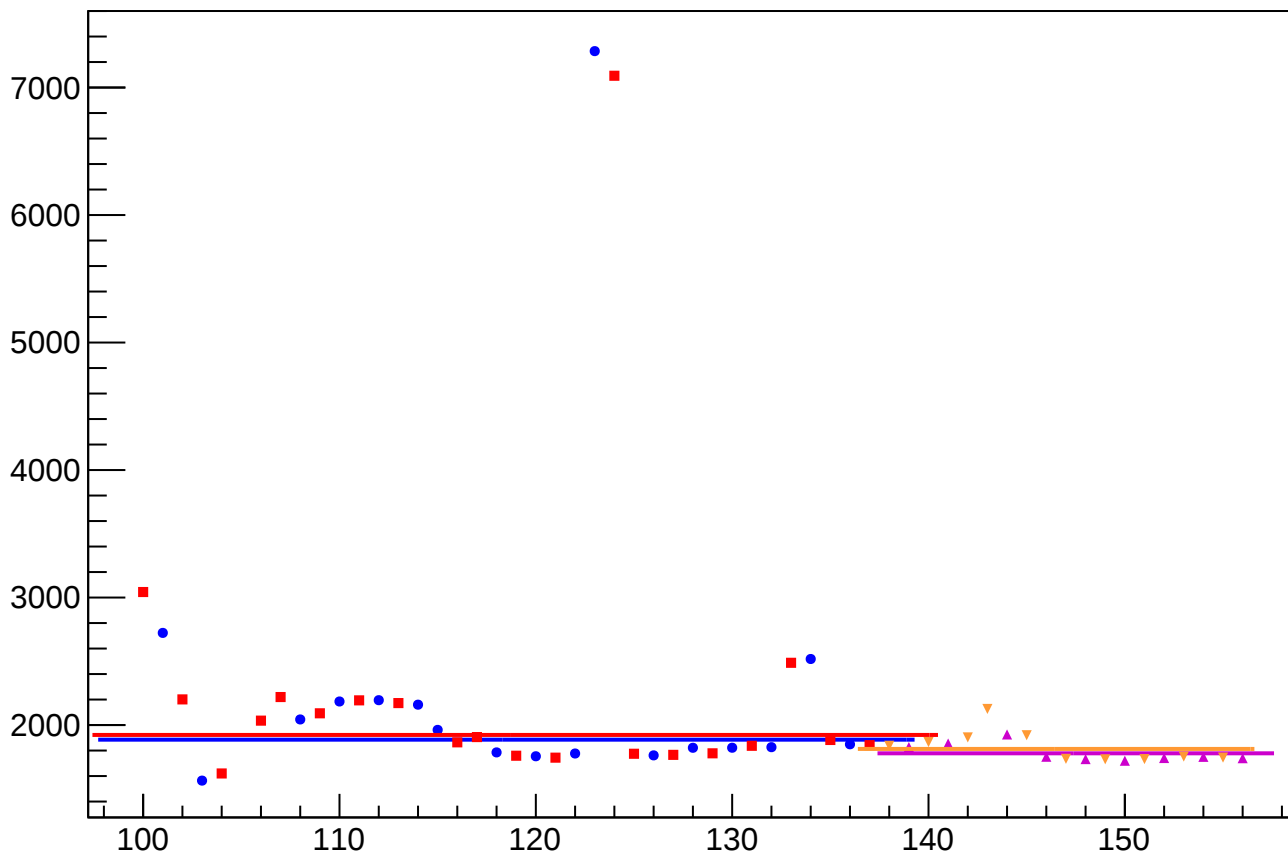
Right Out: 868.810+/-735.140 χ^2/NDF : 22.7/19

Left In: 1206.758+/-656.493 χ^2/NDF : 7.9/8

142.050+/-497.201 χ^2/NDF : 17.7/26

1056.822+/-489.664 χ^2/NDF : 30.7/28

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1812.755+/-0.474 χ^2/NDF : 51038.6/9

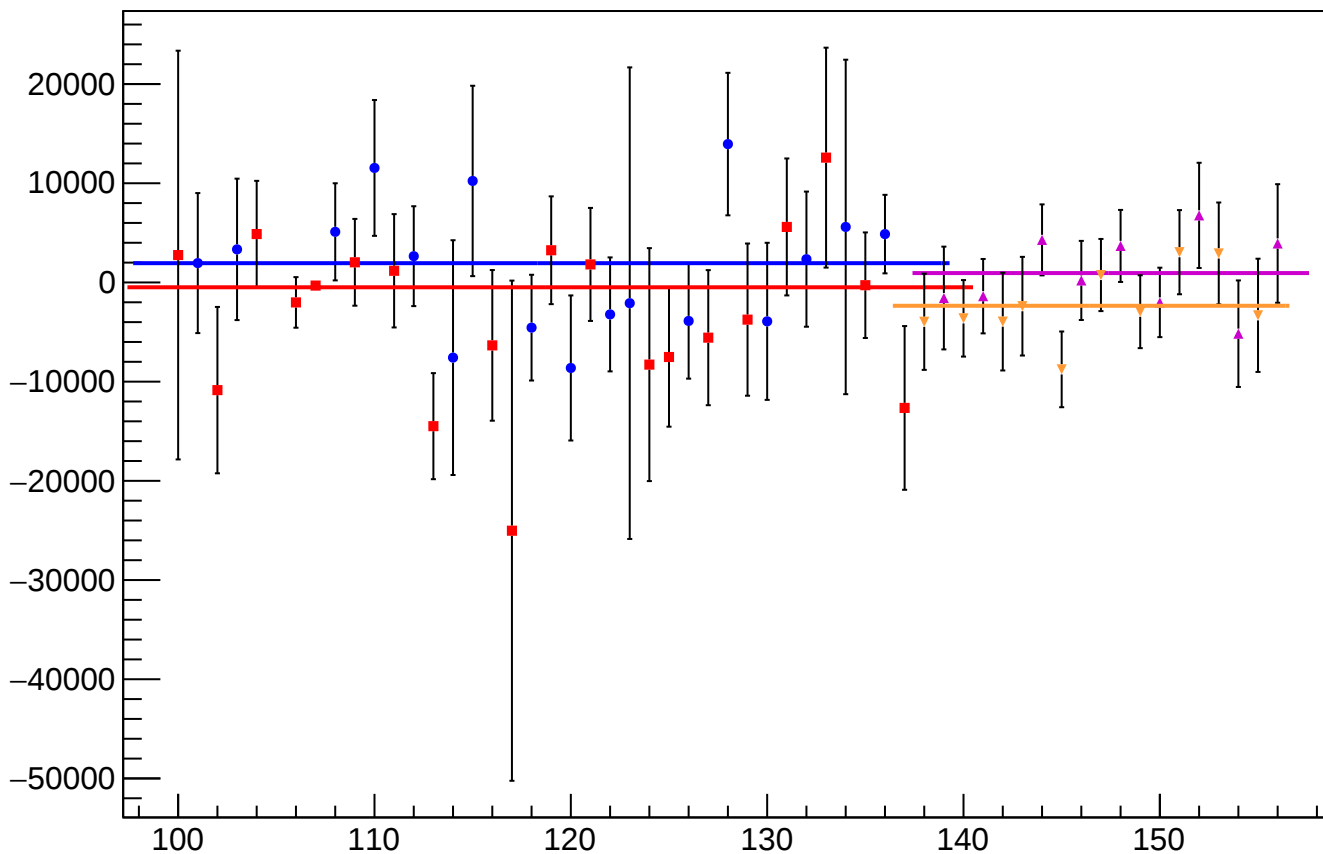
Right Out: 1922.430+/-0.519 χ^2/NDF : 351518.8/19

Left In: 1778.298+/-0.464 χ^2/NDF : 19401.7/8

1845.473+/-0.352 χ^2/NDF : 342025.6/26

1842.354+/-0.346 χ^2/NDF : 413765.1/28

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178 ± 1581.060 χ^2/NDF : 13.2/16

Left Out: -2351.786 ± 1368.547 χ^2/NDF : 6.6/9

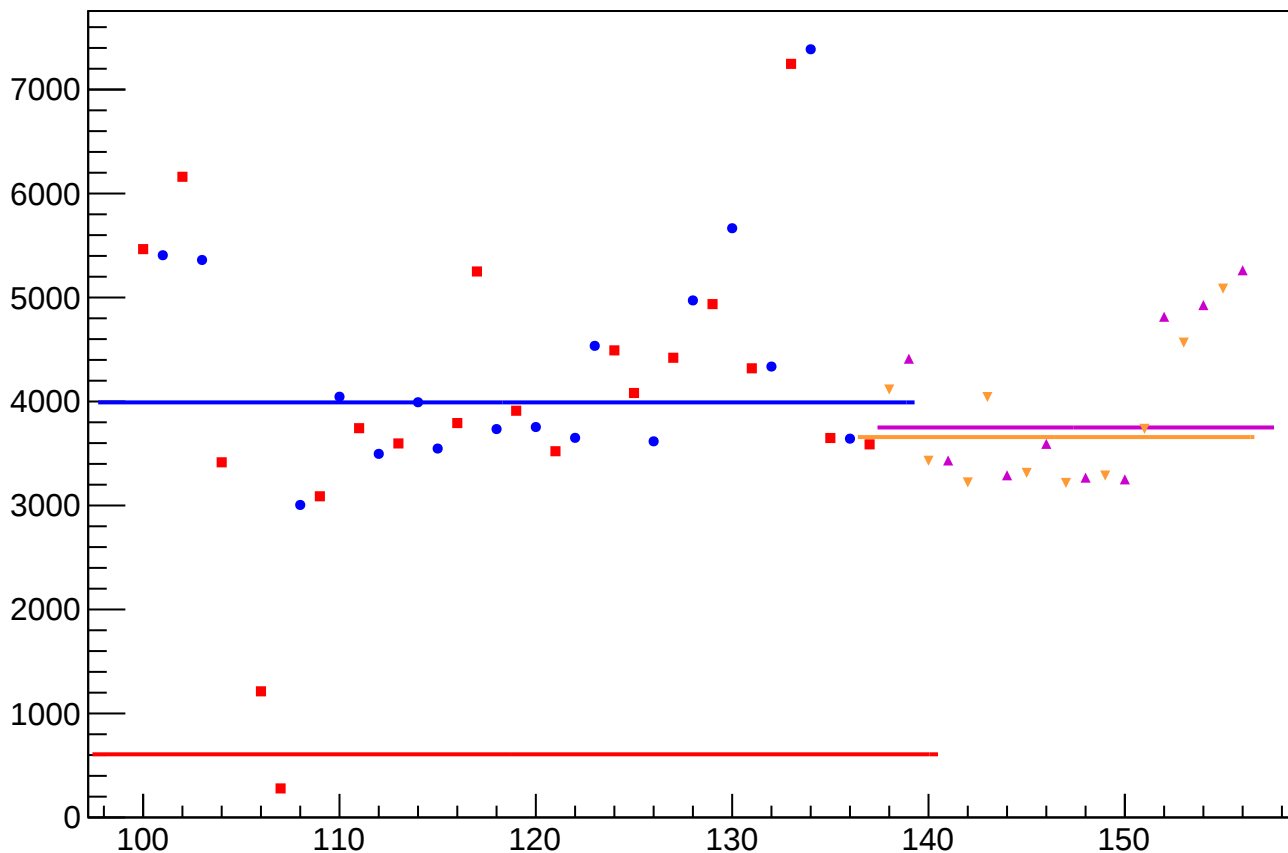
Right Out: -486.774 ± 453.611 χ^2/NDF : 19.0/19

Left In: 945.389 ± 1407.143 χ^2/NDF : 5.6/8

-512.149 ± 1034.748 χ^2/NDF : 24.0/26

-351.957 ± 431.733 χ^2/NDF : 25.5/28

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3657.930+/-0.968 χ^2/NDF : 306837.4/9

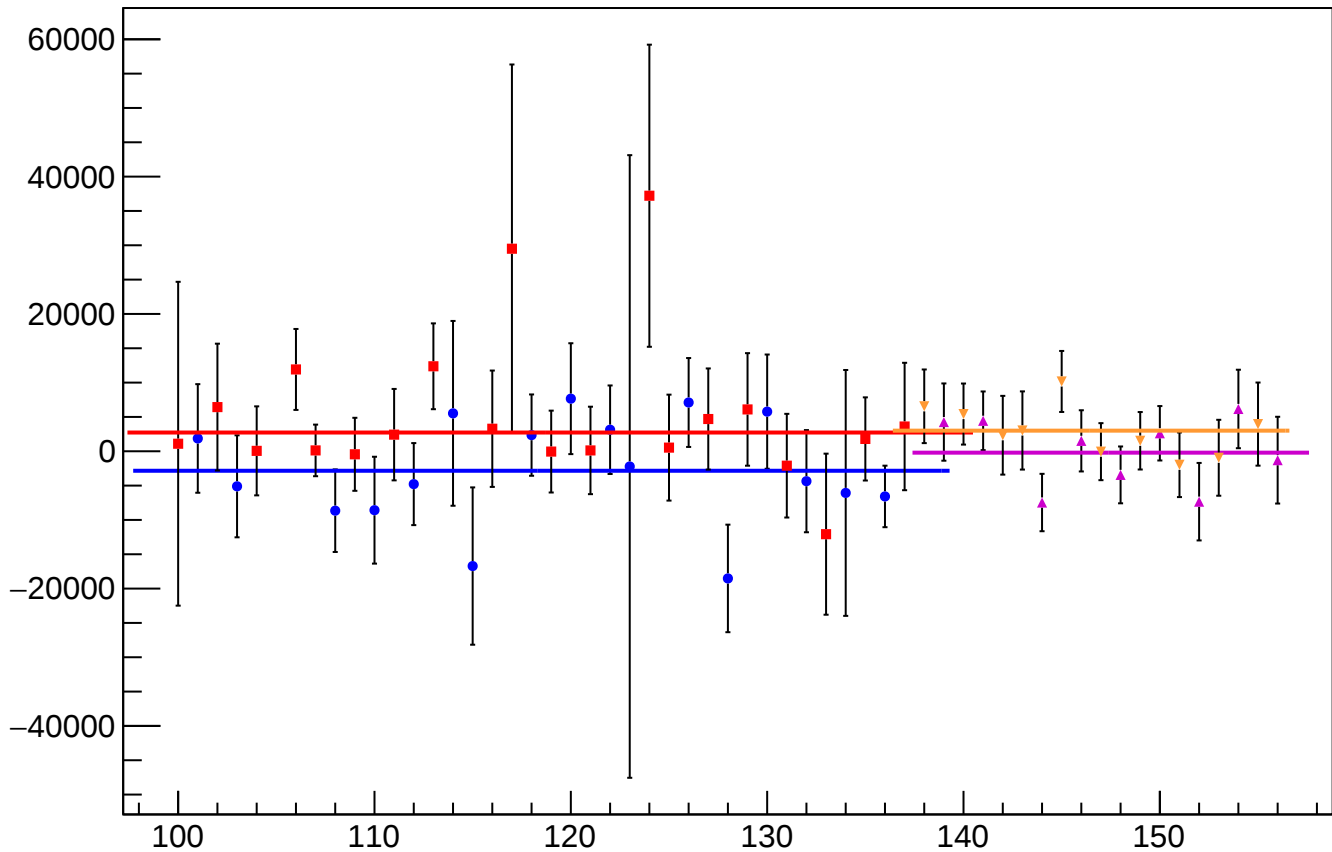
Right Out: 607.234+/-0.321 χ^2/NDF : 10314440.1/19

Left In: 3750.254+/-0.995 χ^2/NDF : 463652.5/8

3800.770+/-0.732 χ^2/NDF : 868487.6/26

903.104+/-0.305 χ^2/NDF : 19816893.1/28

asym_atl1r2_dd_mean vs Slug



Right In: -2839.599 $\pm$ 1786.019 χ^2 /NDF: 15.4/16

Left Out: 3001.927 $\pm$ 1547.644 χ^2 /NDF: 5.7/9

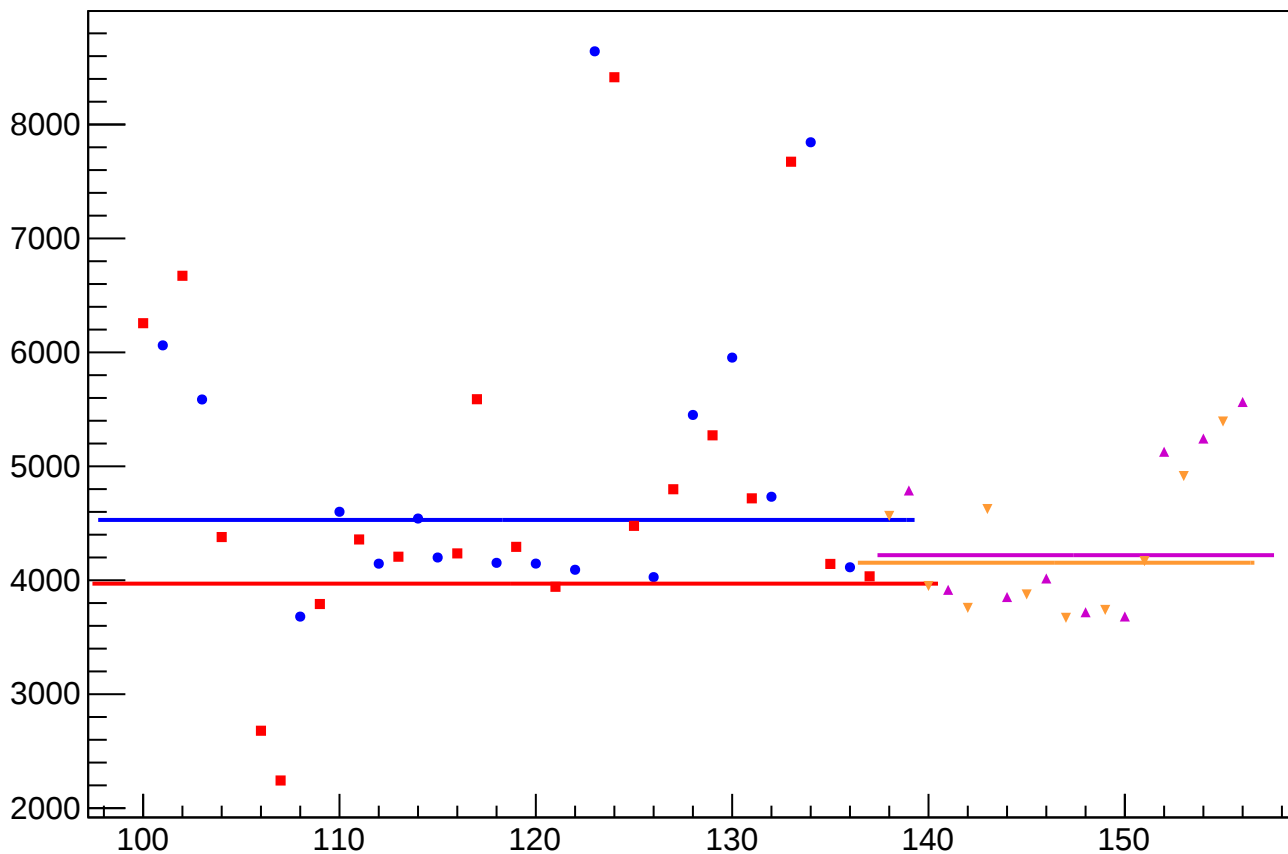
Right Out: 2729.311 $\pm$ 1572.398 χ^2 /NDF: 12.2/19

Left In: -203.824 $\pm$ 1574.983 χ^2 /NDF: 9.0/8

496.740 $\pm$ 1169.615 χ^2 /NDF: 27.2/26

1265.153 $\pm$ 1112.766 χ^2 /NDF: 22.9/28

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462 $\pm$ 1.263 χ^2 /NDF: 389326.2/16

Left Out: 4153.940 $\pm$ 1.094 χ^2 /NDF: 215513.0/9

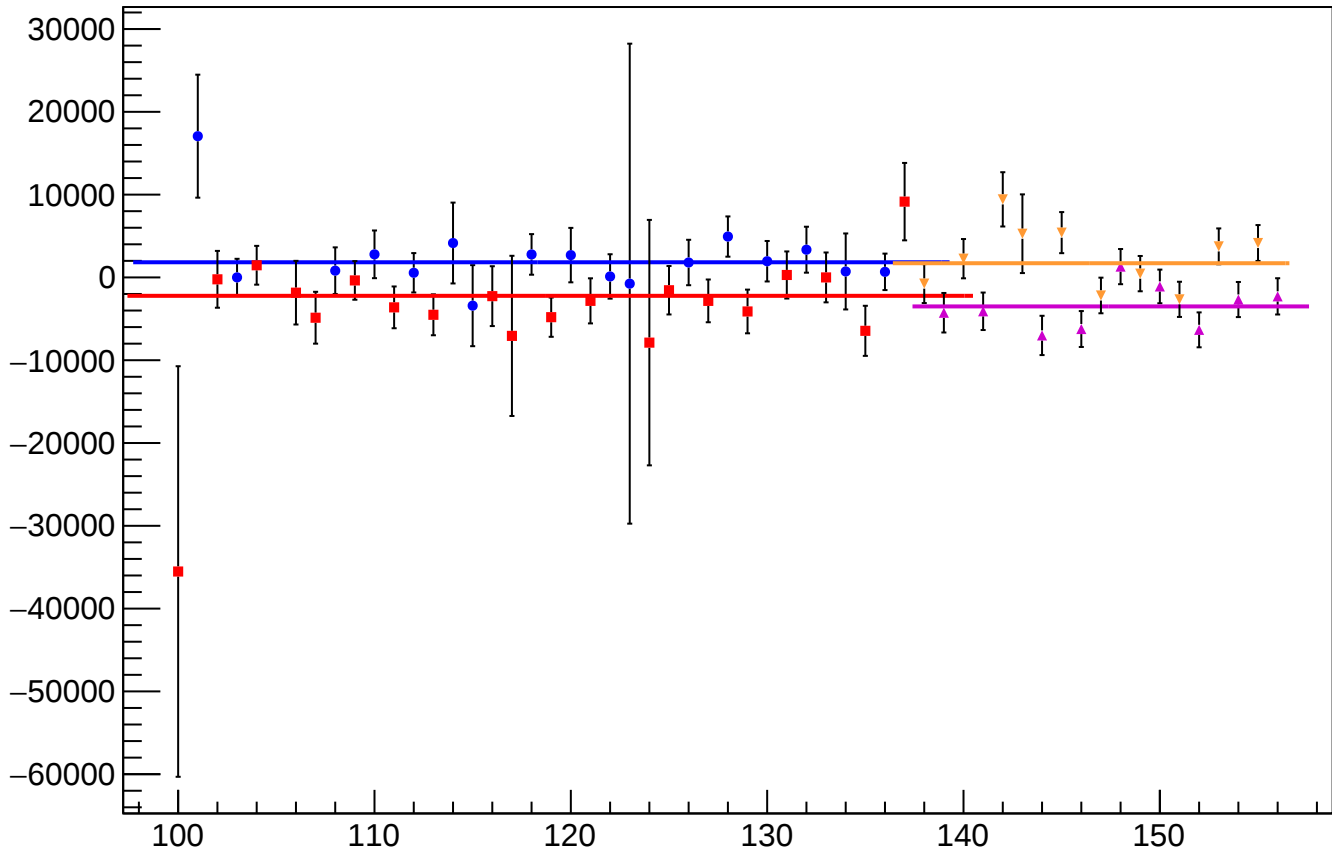
Right Out: 3970.336 $\pm$ 1.105 χ^2 /NDF: 1147711.9/19

Left In: 4220.208 $\pm$ 1.114 χ^2 /NDF: 322755.3/8

4314.986 $\pm$ 0.827 χ^2 /NDF: 655336.7/26

4094.269 $\pm$ 0.784 χ^2 /NDF: 1495839.6/28

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: 1714.567+/-757.743 χ^2/NDF : 19.5/9

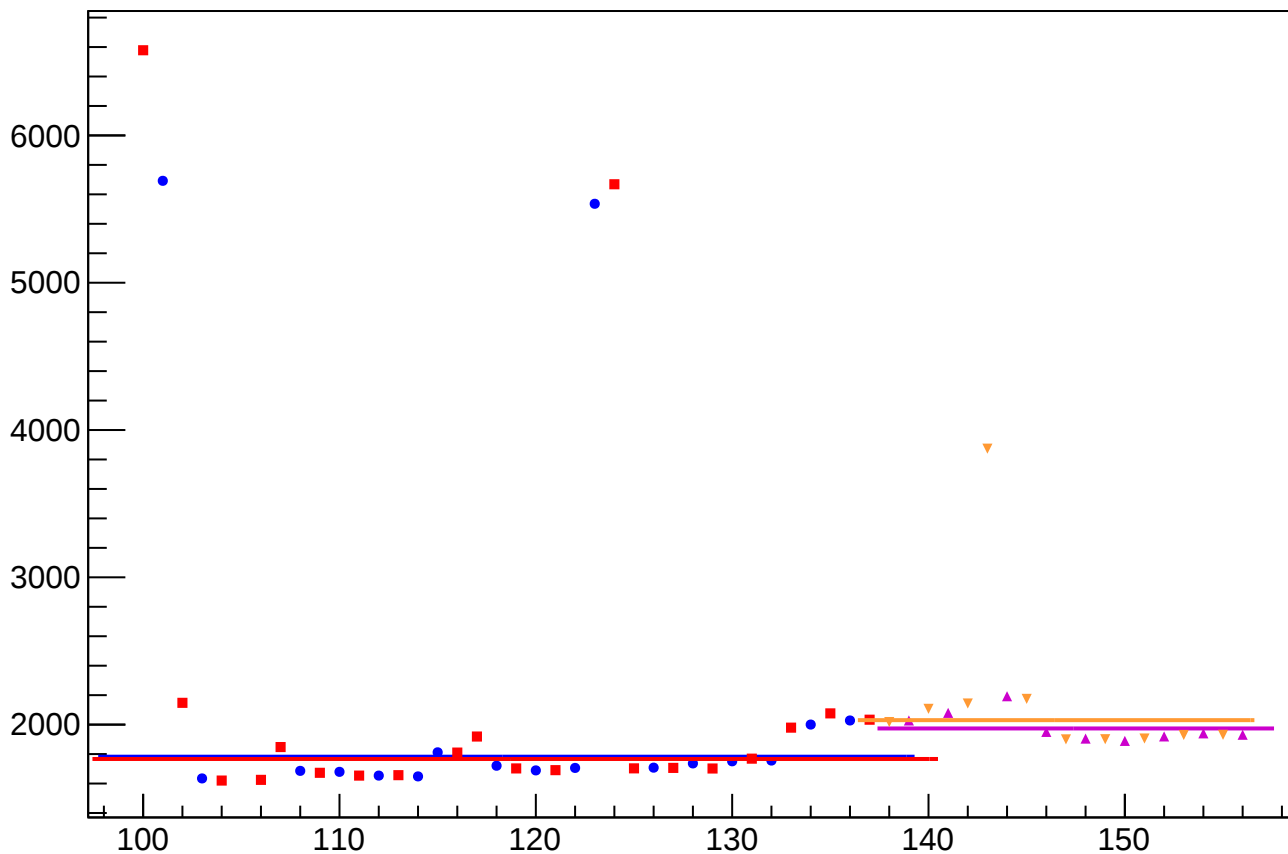
Right Out: -2222.274+/-682.500 χ^2/NDF : 18.6/19

Left In: -3502.482+/-729.206 χ^2/NDF : 12.7/8

1775.981+/-518.620 χ^2/NDF : 29.1/26

-2820.069+/-498.294 χ^2/NDF : 33.0/28

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2030.284+/-0.536 χ^2/NDF : 342185.6/9

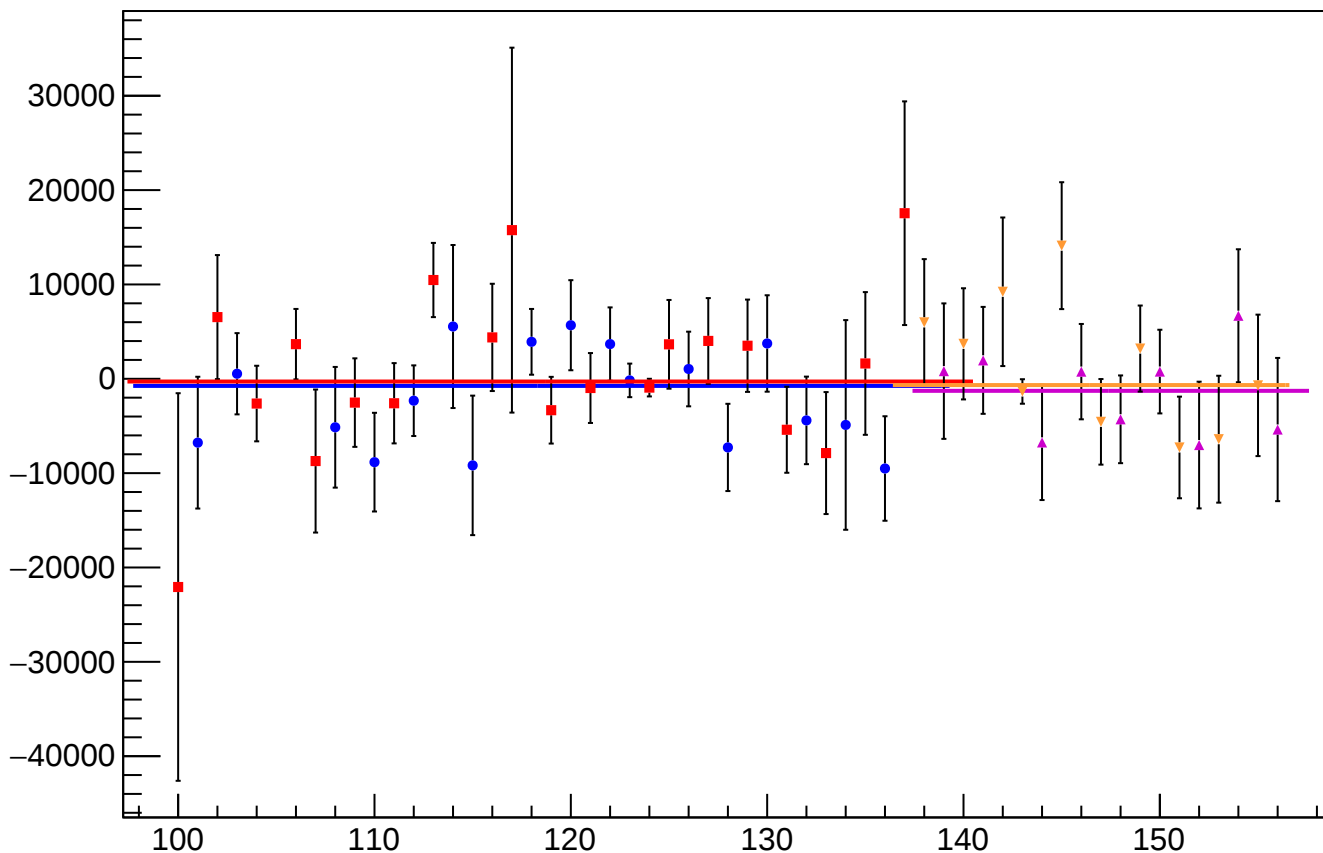
Right Out: 1766.719+/-0.479 χ^2/NDF : 307297.1/19

Left In: 1973.889+/-0.516 χ^2/NDF : 30757.2/8

1898.379+/-0.367 χ^2/NDF : 1101387.6/26

1862.753+/-0.351 χ^2/NDF : 424653.2/28

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428 ± 1008.523 χ^2/NDF : 16.9/16

Left Out: -666.070 ± 1082.732 χ^2/NDF : 11.9/9

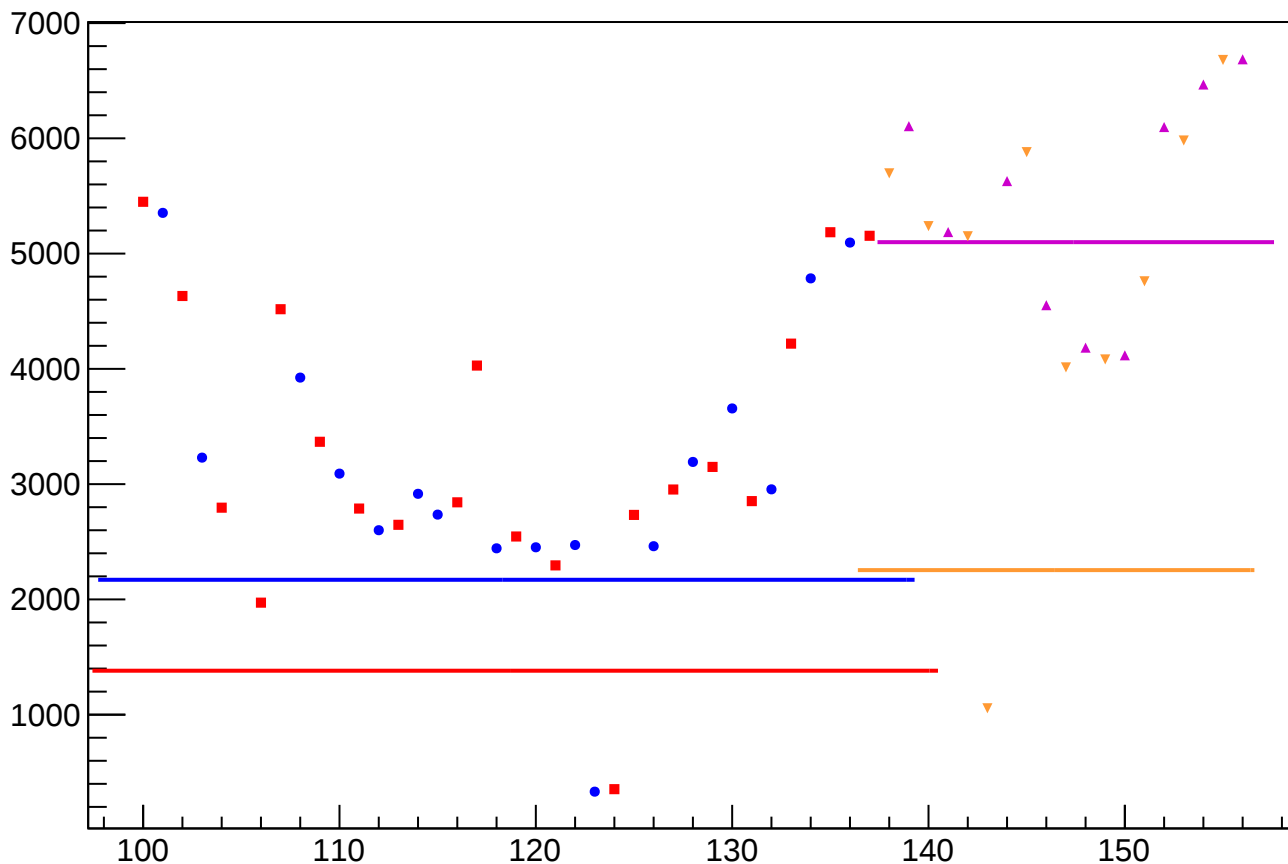
Right Out: -288.847 ± 724.622 χ^2/NDF : 22.7/19

Left In: -1276.182 ± 1912.893 χ^2/NDF : 4.3/8

-712.845 ± 737.975 χ^2/NDF : 28.9/26

-412.747 ± 677.633 χ^2/NDF : 27.2/28

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 2254.170+/-0.766 χ^2/NDF : 5961572.7/9

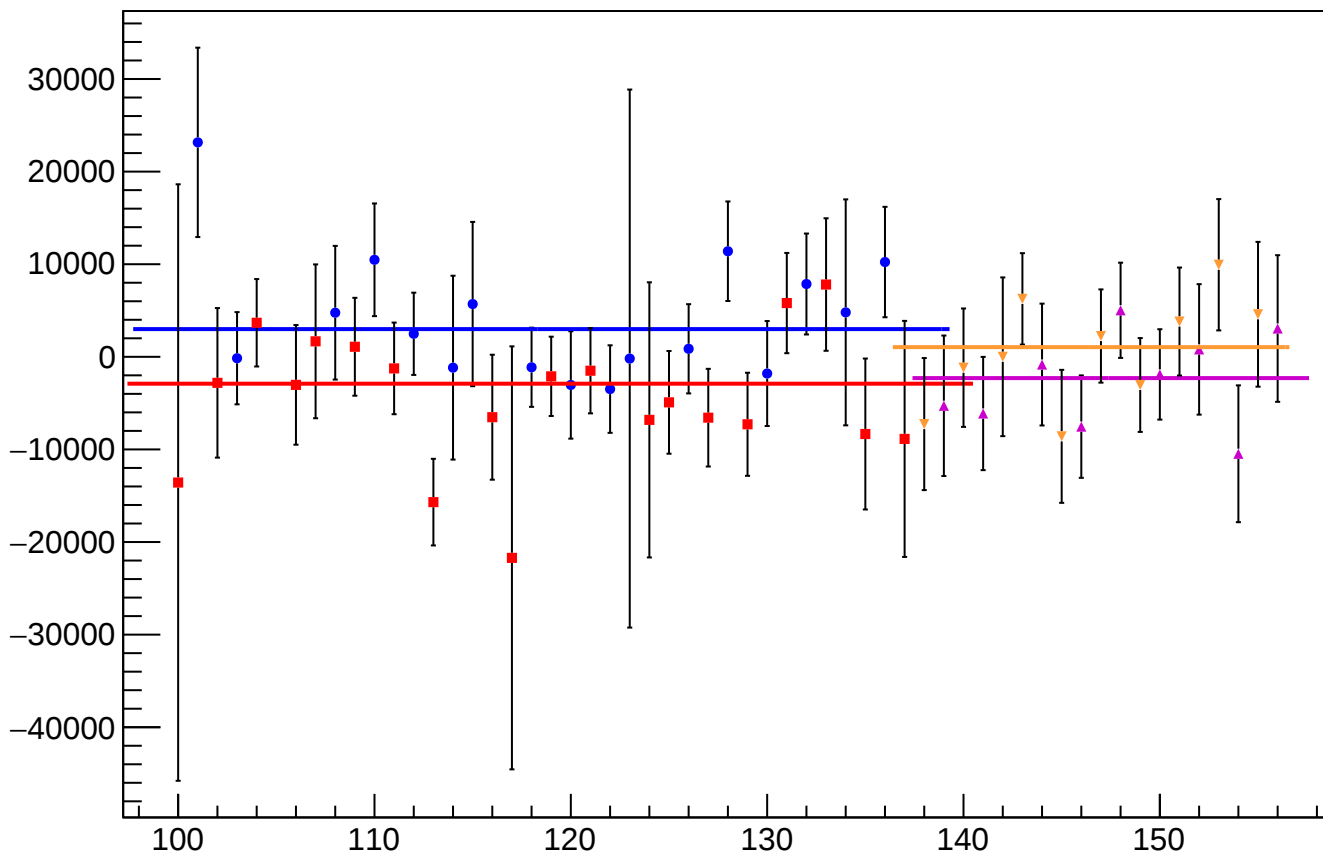
Right Out: 1381.438+/-0.512 χ^2/NDF : 6884822.3/19

Left In: 5099.272+/-1.353 χ^2/NDF : 460637.0/8

2209.232+/-0.522 χ^2/NDF : 9941732.8/26

1847.987+/-0.479 χ^2/NDF : 13952296.3/28

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 1045.613 $\pm$ 1952.589 χ^2 /NDF: 7.1/9

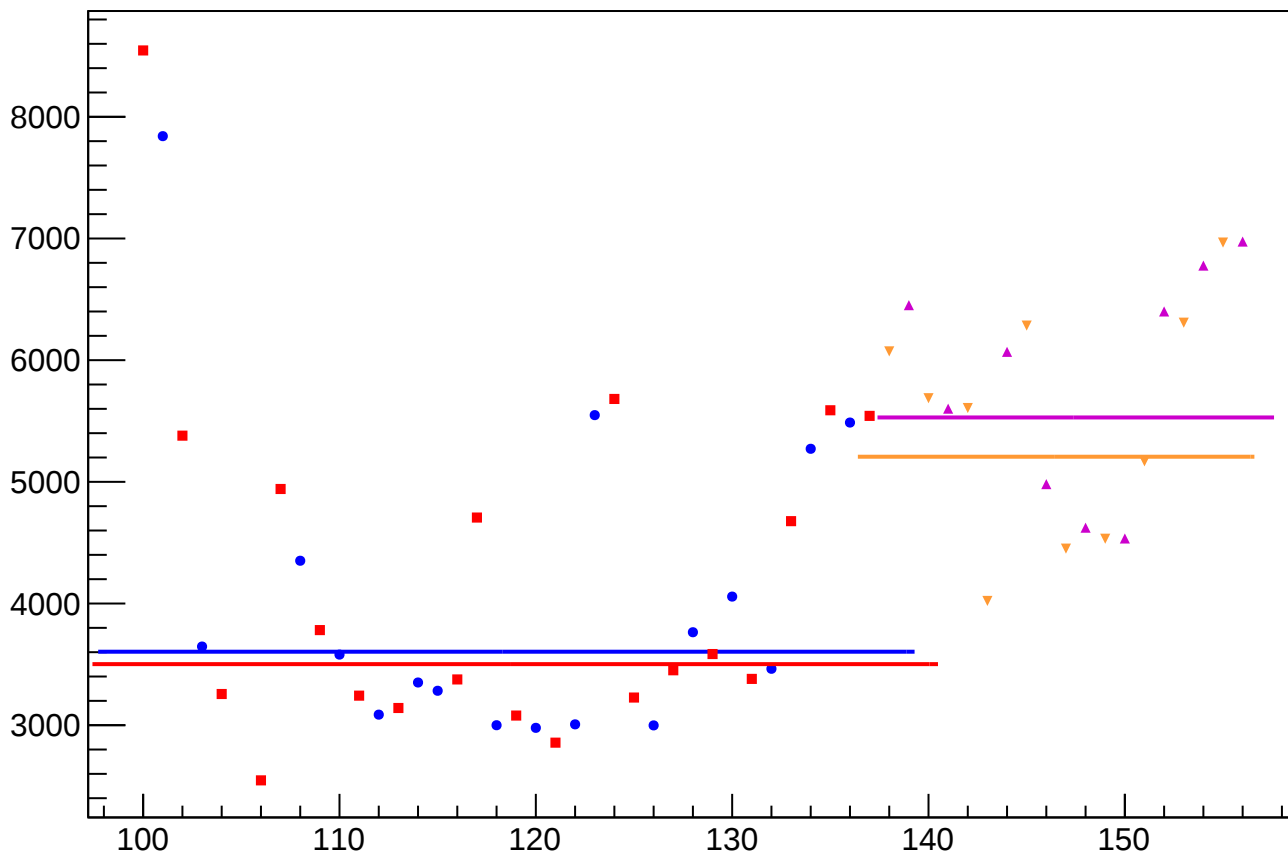
Right Out: -2901.985 $\pm$ 1376.603 χ^2 /NDF: 18.4/19

Left In: -2297.645 $\pm$ 2066.585 χ^2 /NDF: 5.4/8

2302.401 $\pm$ 1162.675 χ^2 /NDF: 23.5/26

-2716.244 $\pm$ 1145.689 χ^2 /NDF: 23.9/28

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930 ± 1.023 χ^2/NDF : 784674.5/16

Left Out: 5206.511 ± 1.381 χ^2/NDF : 435779.2/9

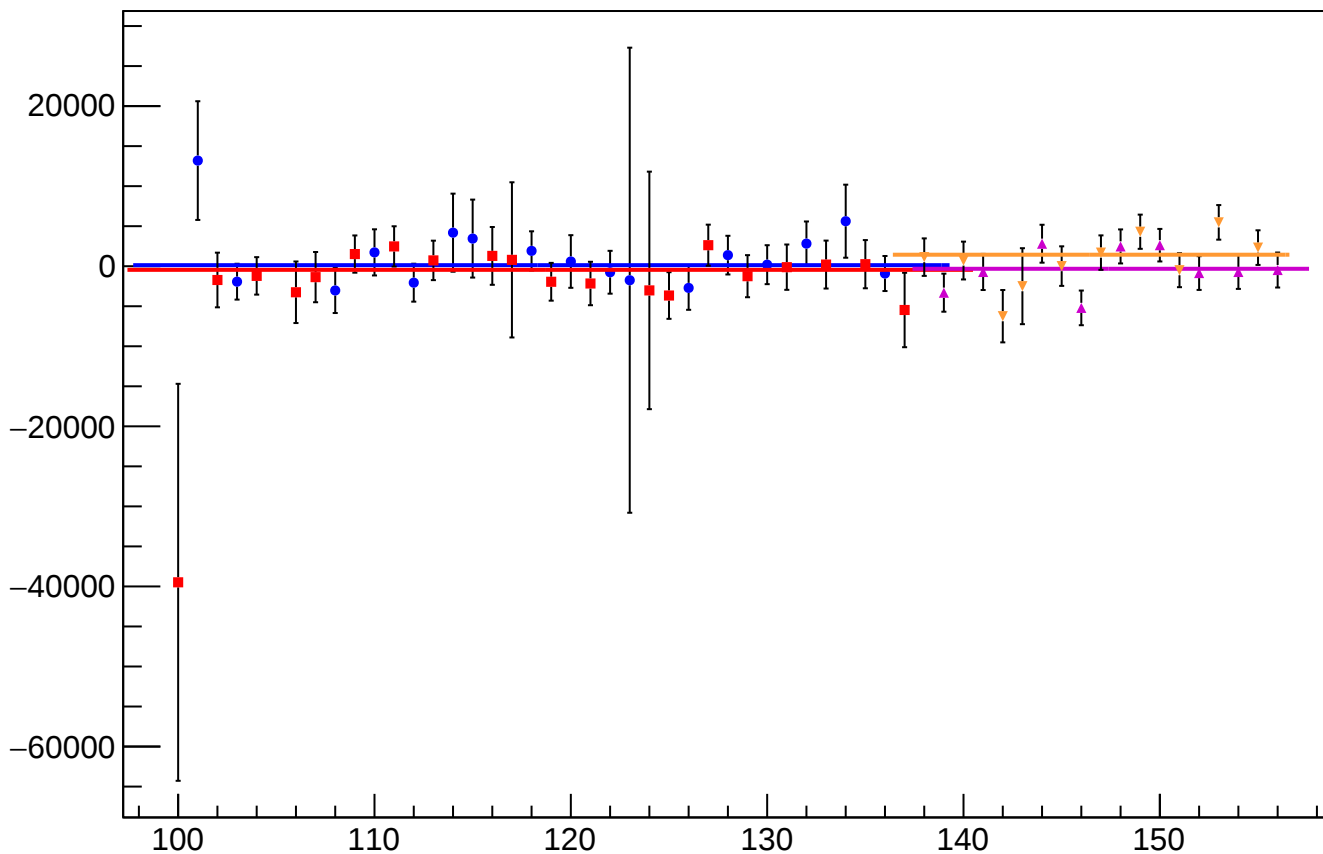
Right Out: 3501.857 ± 0.960 χ^2/NDF : 667483.1/19

Left In: 5529.210 ± 1.461 χ^2/NDF : 362433.0/8

4172.143 ± 0.822 χ^2/NDF : 2090021.3/26

4112.984 ± 0.802 χ^2/NDF : 2374492.9/28

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1437.068 $\pm$ 756.322 χ^2 /NDF:13.0/9

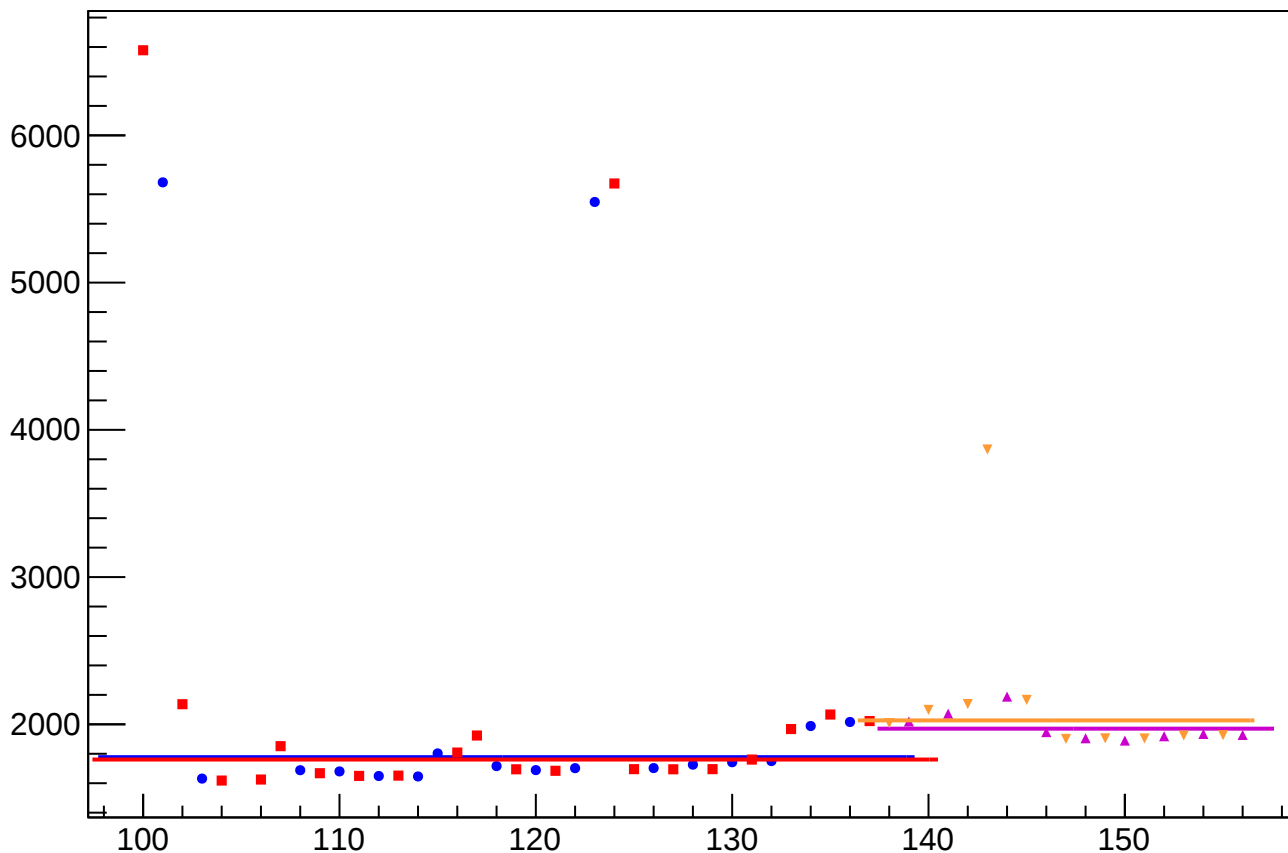
Right Out: -452.872 $\pm$ 680.160 χ^2 /NDF: 10.7/19

Left In: -320.962 $\pm$ 727.914 χ^2 /NDF:12.4/8

742.043 $\pm$ 517.340 χ^2 /NDF: 26.7/26

-391.386 $\pm$ 496.971 χ^2 /NDF: 23.1/28

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2 /NDF: 643576.8/16

Left Out: 2026.614+/-0.535 χ^2 /NDF:340147.2/9

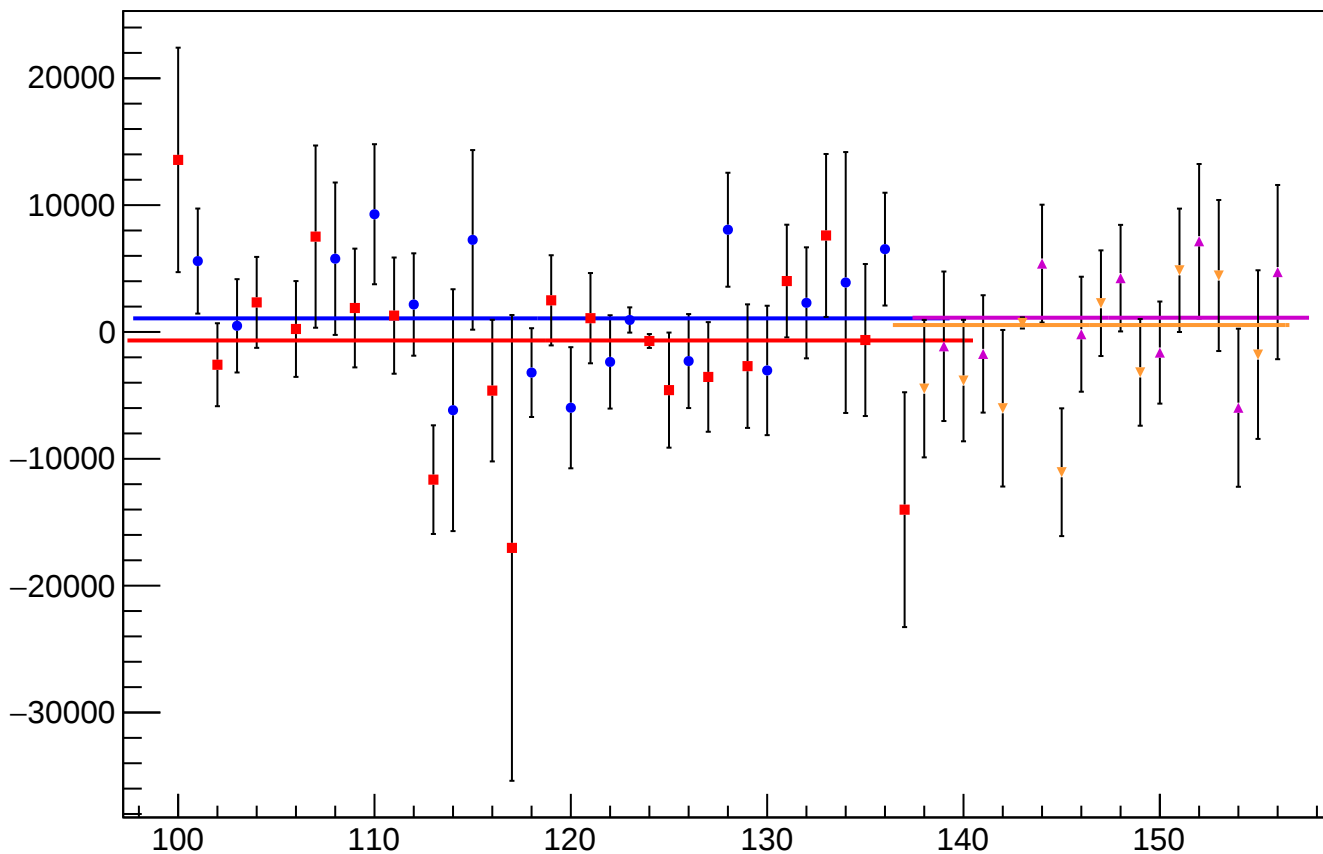
Right Out: 1760.787+/-0.478 χ^2 /NDF: 306724.5/19

Left In: 1970.509+/-0.515 χ^2 /NDF:29638.1/8

1893.726+/-0.366 χ^2 /NDF: 1099757.2/26

1857.835+/-0.350 χ^2 /NDF: 425556.6/28

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 545.857+/-424.792 χ^2/NDF : 10.6/9

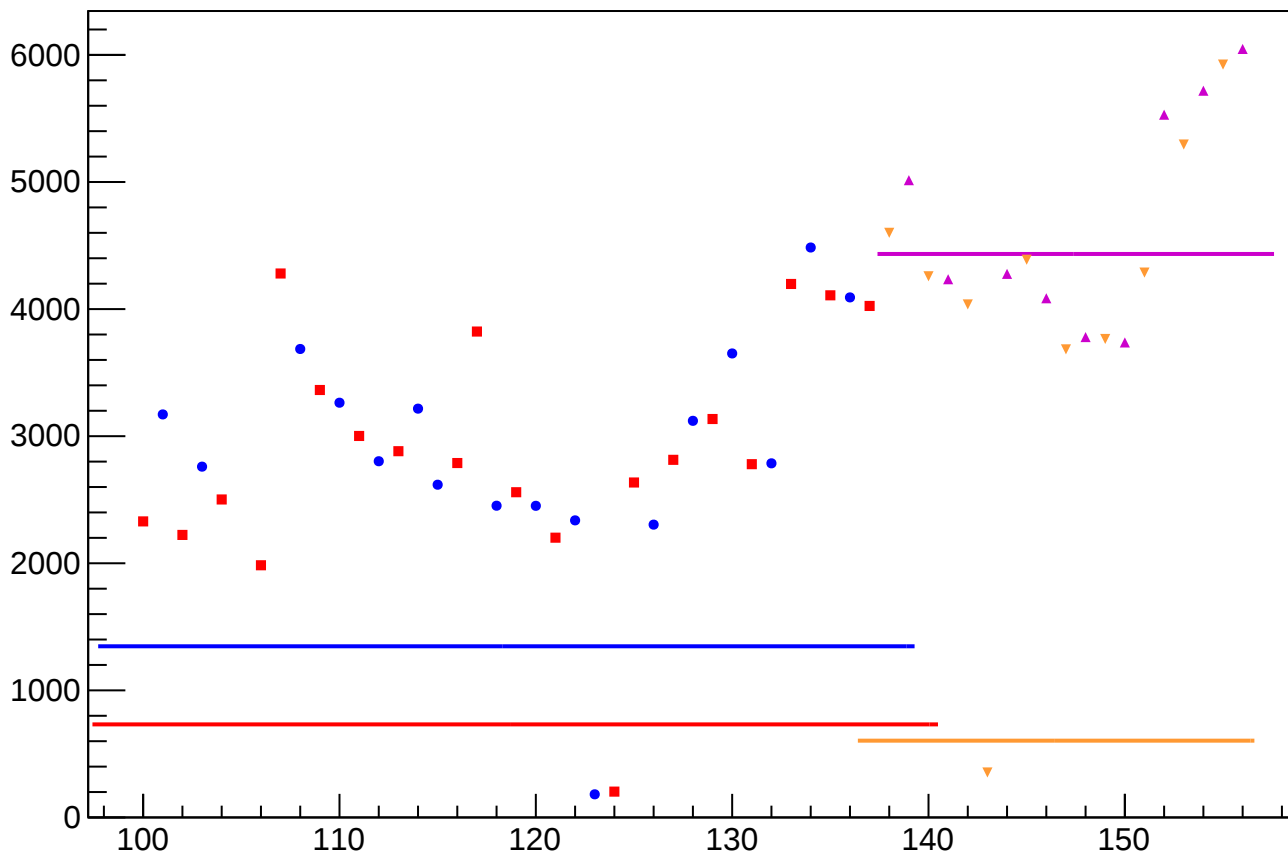
Right Out: -670.313+/-487.861 χ^2/NDF : 20.6/19

Left In: 1122.339+/-1660.001 χ^2/NDF : 5.0/8

673.108+/-369.894 χ^2/NDF : 26.5/26

-527.787+/-468.066 χ^2/NDF : 26.7/28

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 604.251+/-0.300 χ^2/NDF :10542525.7/9

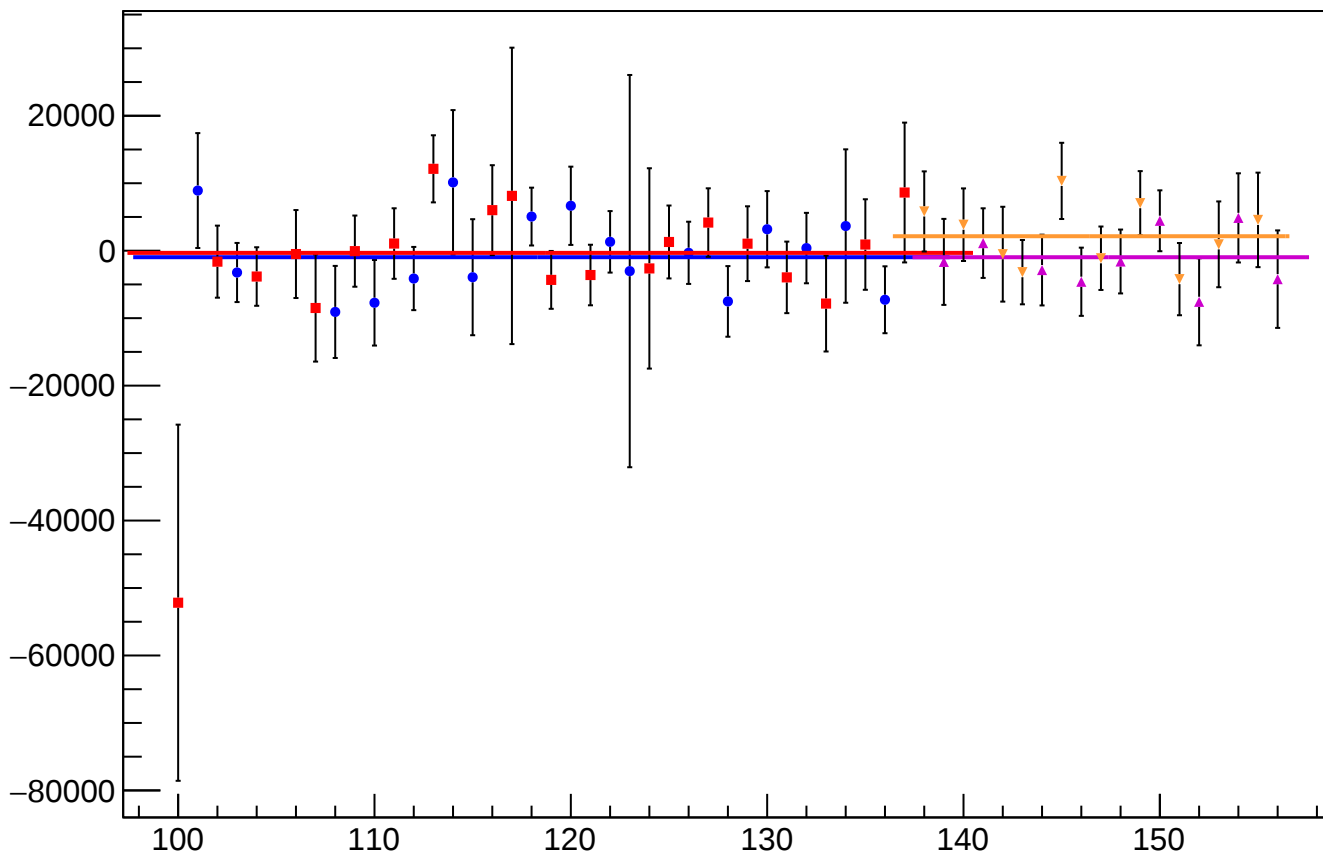
Right Out: 732.303+/-0.345 χ^2/NDF : 9559853.6/19

Left In: 4433.757+/-1.174 χ^2/NDF :405654.8/8

783.783+/-0.262 χ^2/NDF : 18859269.7/26

1026.589+/-0.331 χ^2/NDF : 19118838.9/28

asym_atr1l2_dd_mean vs Slug



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: 2144.204+/-1745.787 χ^2/NDF : 7.1/9

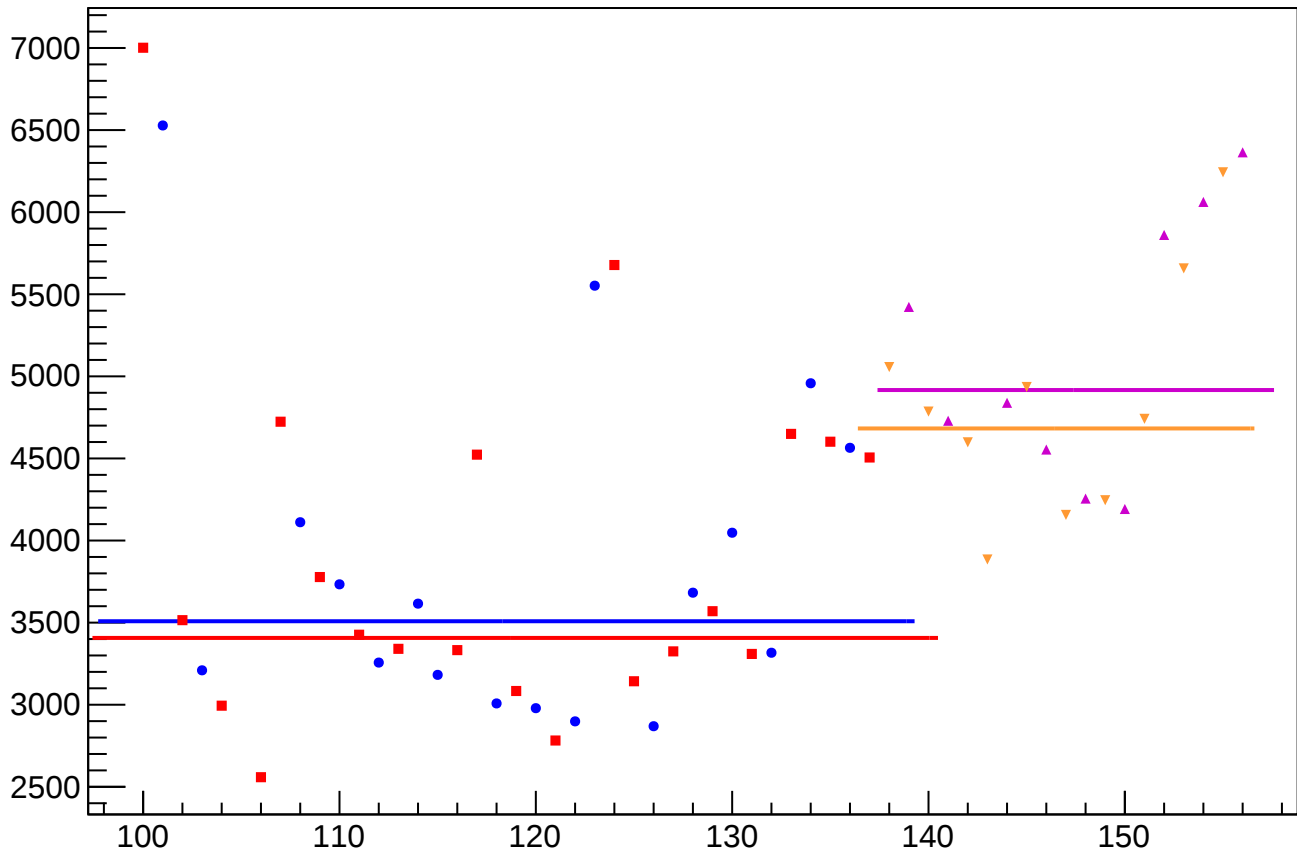
Right Out: -323.694+/-1327.331 χ^2/NDF : 17.8/19

Left In: -967.890+/-1833.450 χ^2/NDF : 4.3/8

247.801+/-1090.106 χ^2/NDF : 22.8/26

-545.219+/-1075.156 χ^2/NDF : 22.1/28

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4682.674+/-1.234 χ^2/NDF : 257510.9/9

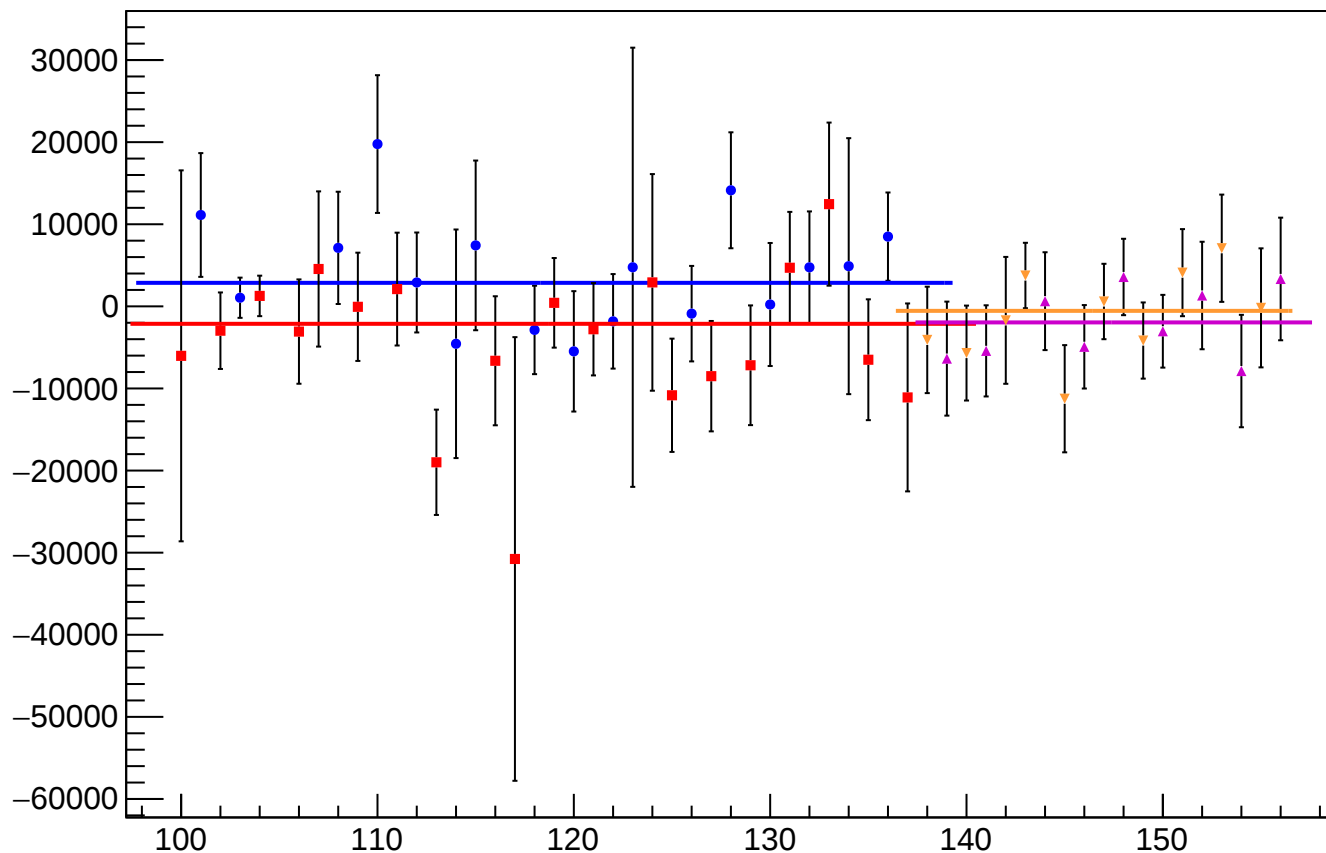
Right Out: 3406.868+/-0.926 χ^2/NDF : 433737.9/19

Left In: 4916.675+/-1.296 χ^2/NDF : 299849.7/8

3966.299+/-0.771 χ^2/NDF : 1371692.8/26

3917.250+/-0.754 χ^2/NDF : 1631354.6/28

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770 $\pm$ 1452.658 χ^2/NDF : 14.1/16

Left Out: -548.043 $\pm$ 1743.885 χ^2/NDF : 7.8/9

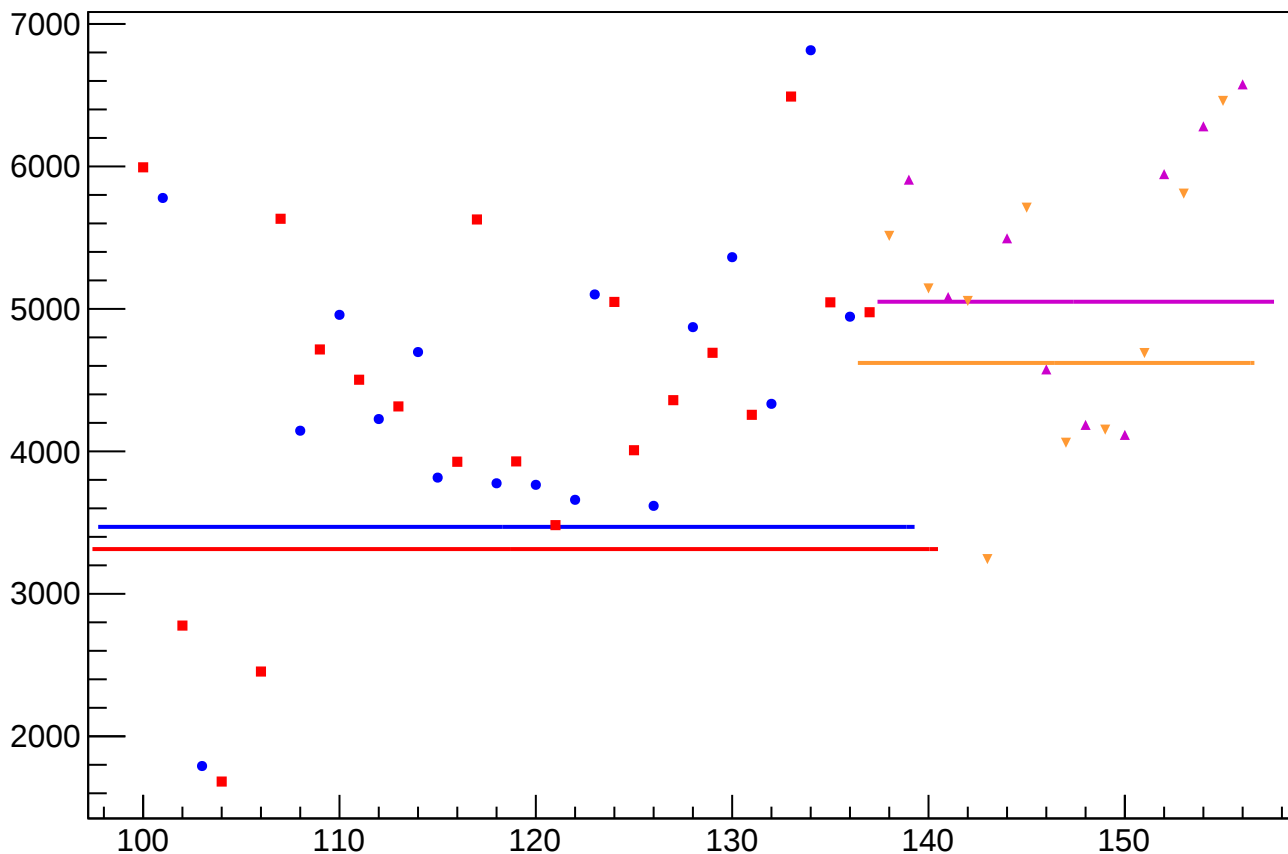
Right Out: -2126.105 $\pm$ 1379.774 χ^2/NDF : 18.8/19

Left In: -1956.374 $\pm$ 1890.462 χ^2/NDF : 4.3/8

1466.735 $\pm$ 1116.145 χ^2/NDF : 24.1/26

-2067.114 $\pm$ 1114.499 χ^2/NDF : 23.1/28

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: 4620.761 $\pm$ 1.233 χ^2 /NDF: 600586.0/9

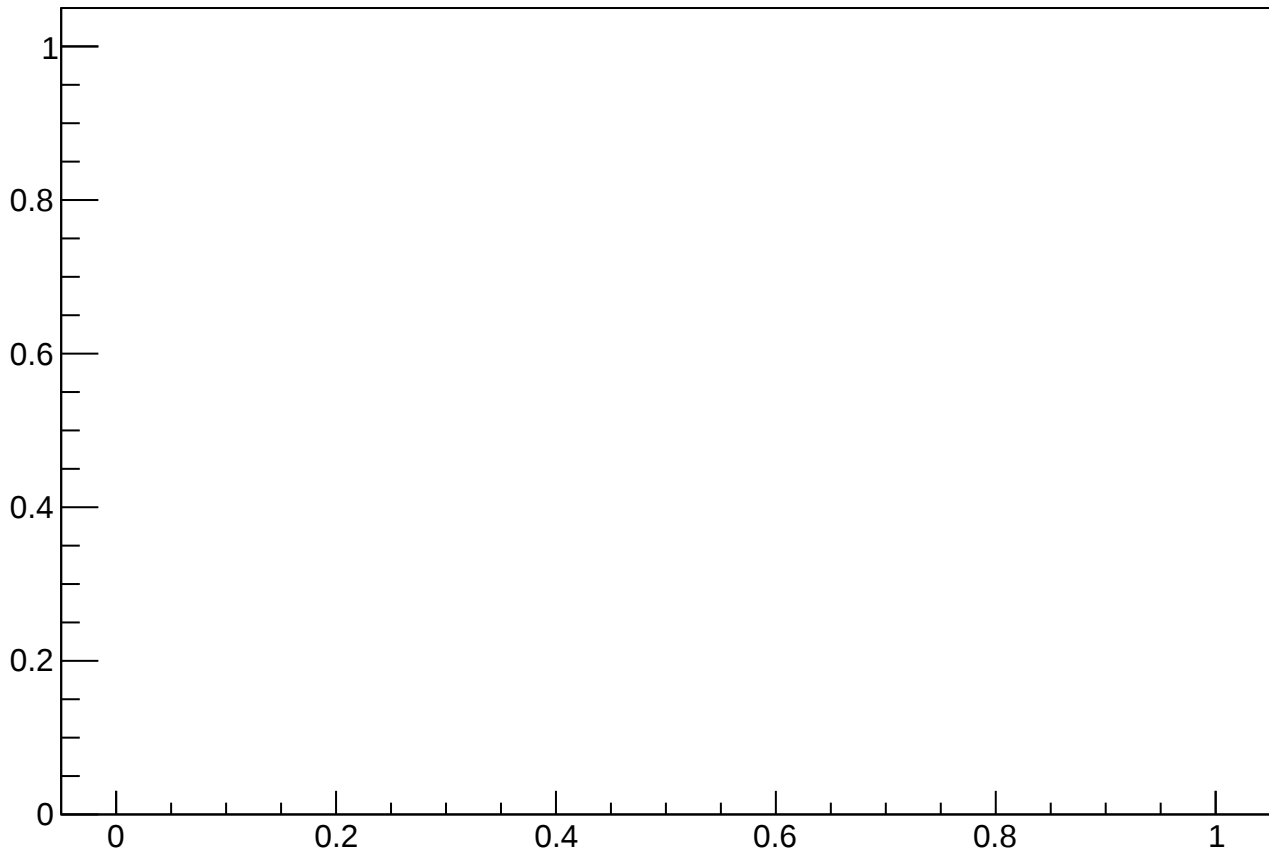
Right Out: 3314.183 $\pm$ 0.967 χ^2 /NDF: 1925484.9/19

Left In: 5050.287 $\pm$ 1.337 χ^2 /NDF: 402839.8/8

3941.412 $\pm$ 0.789 χ^2 /NDF: 2875556.5/26

3910.387 $\pm$ 0.783 χ^2 /NDF: 3435806.6/28

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



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

0.000+/-0.000 χ^2/NDF : 0.0/0

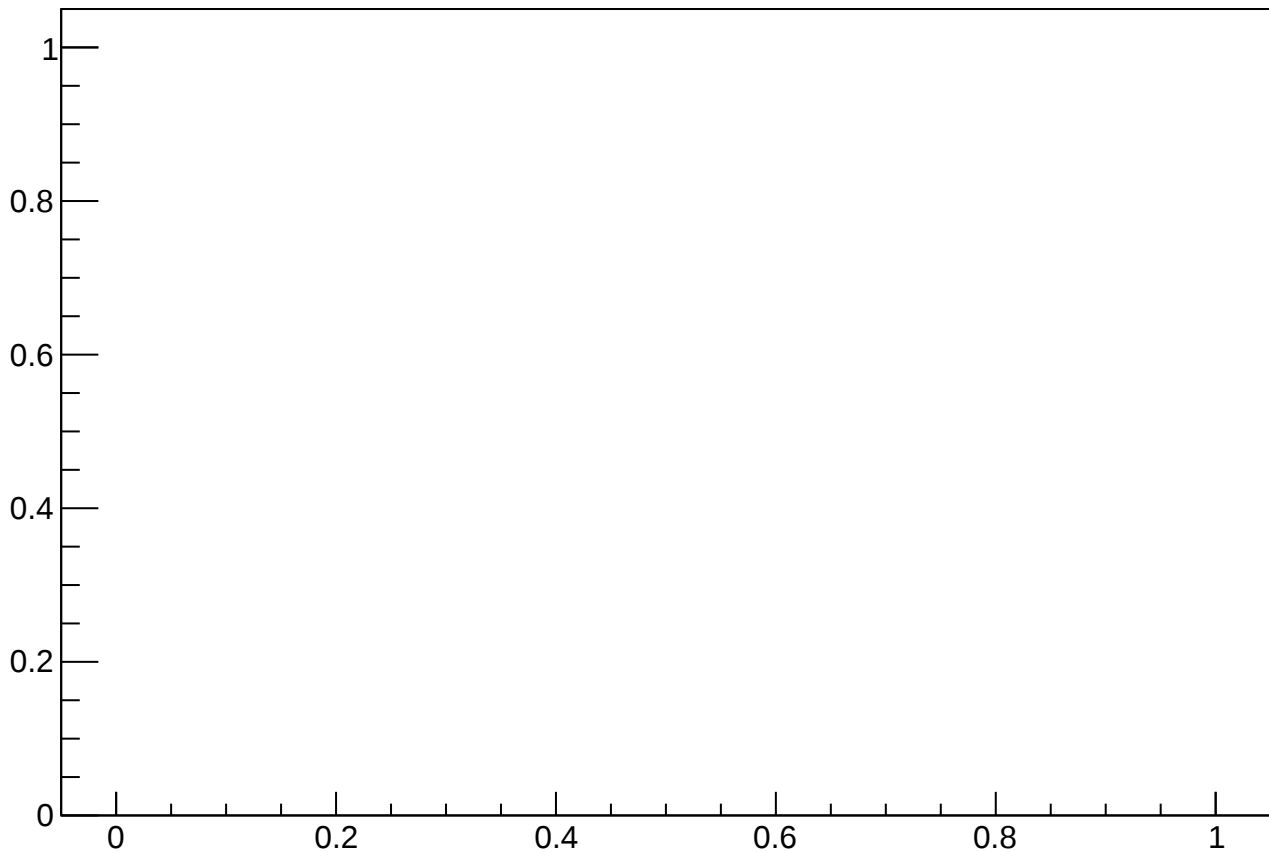
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

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

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

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



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

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

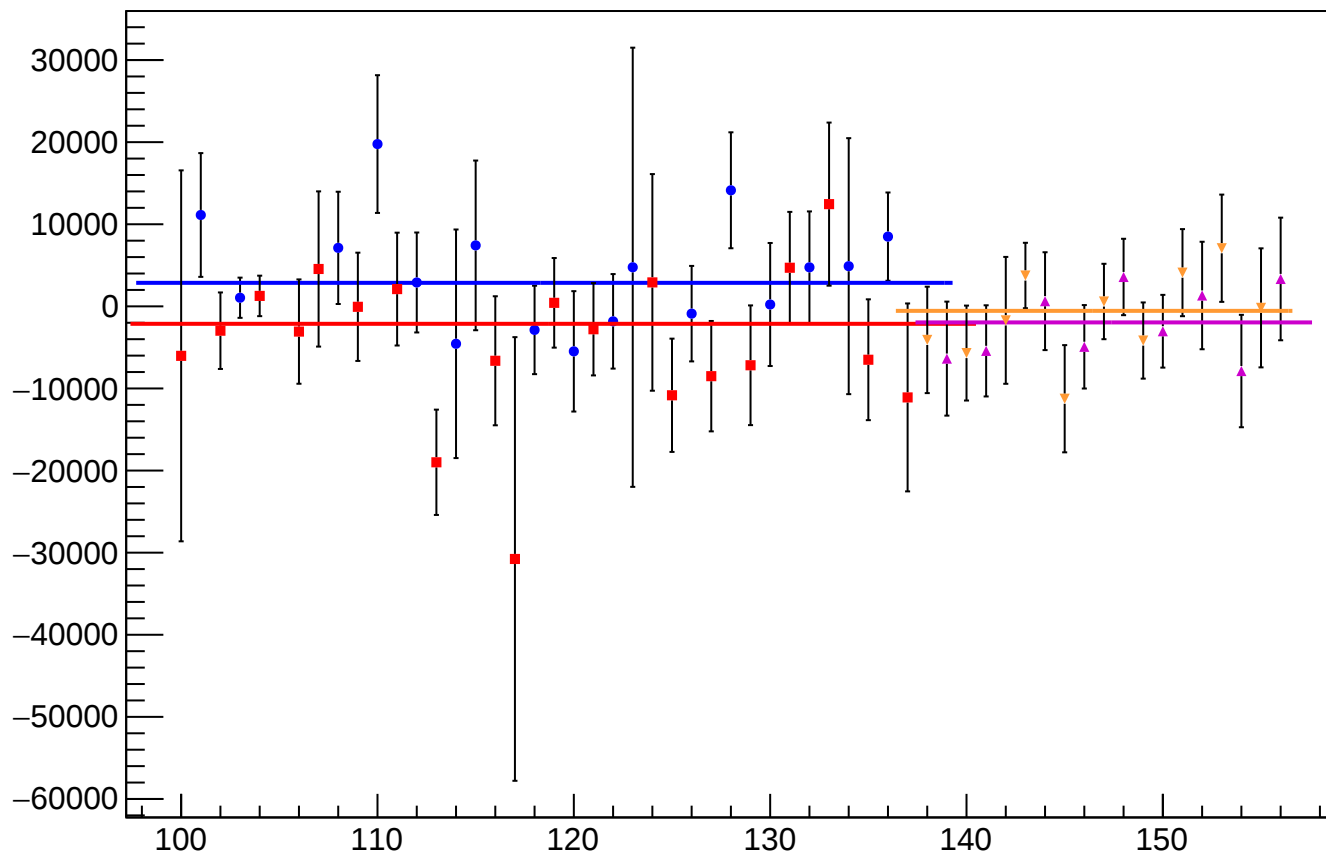
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: -548.043+/-1743.885 χ^2/NDF : 7.8/9

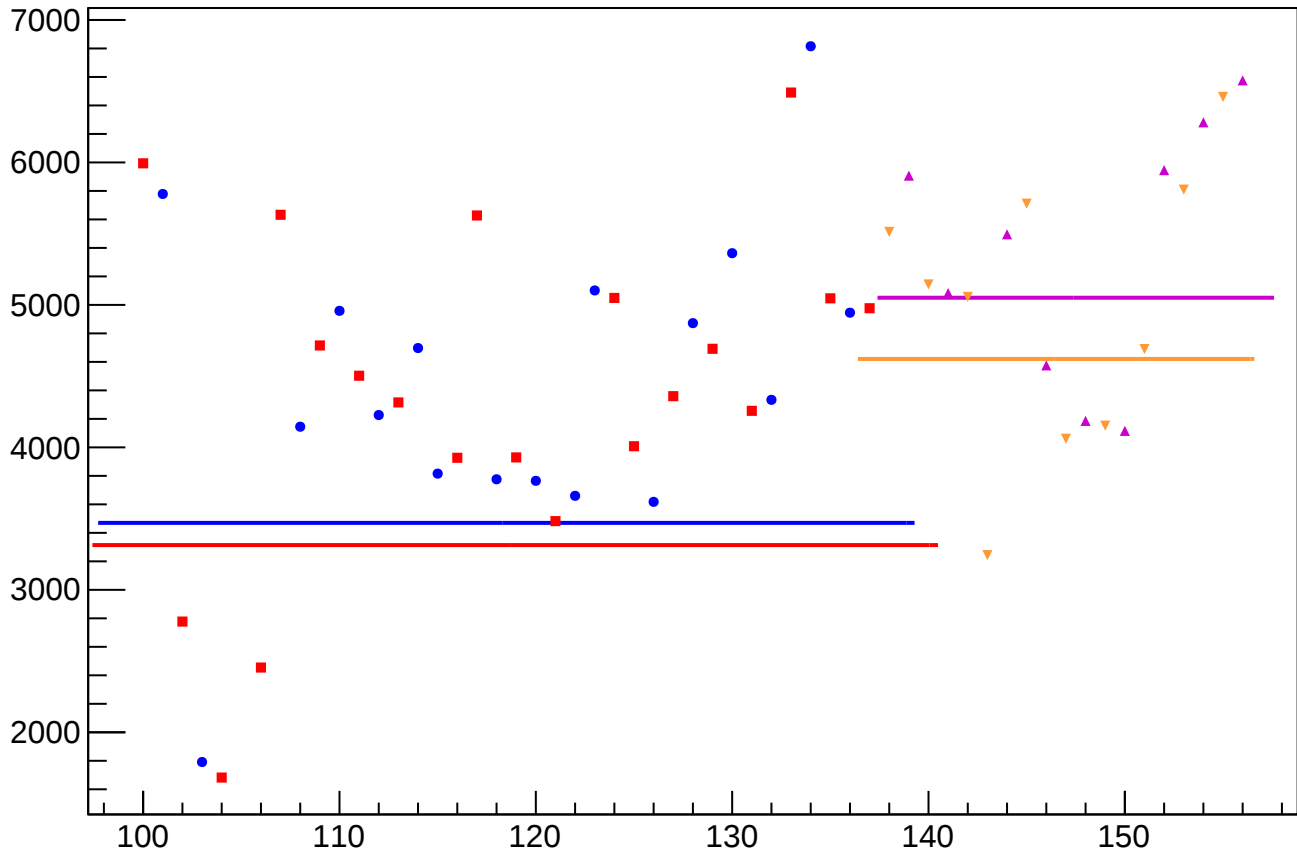
Right Out: -2126.105+/-1379.774 χ^2/NDF : 18.8/19

Left In: -1956.374+/-1890.462 χ^2/NDF : 4.3/8

1466.735+/-1116.145 χ^2/NDF : 24.1/26

-2067.114+/-1114.499 χ^2/NDF : 23.1/28

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 4620.761+/-1.233 χ^2/NDF : 600586.0/9

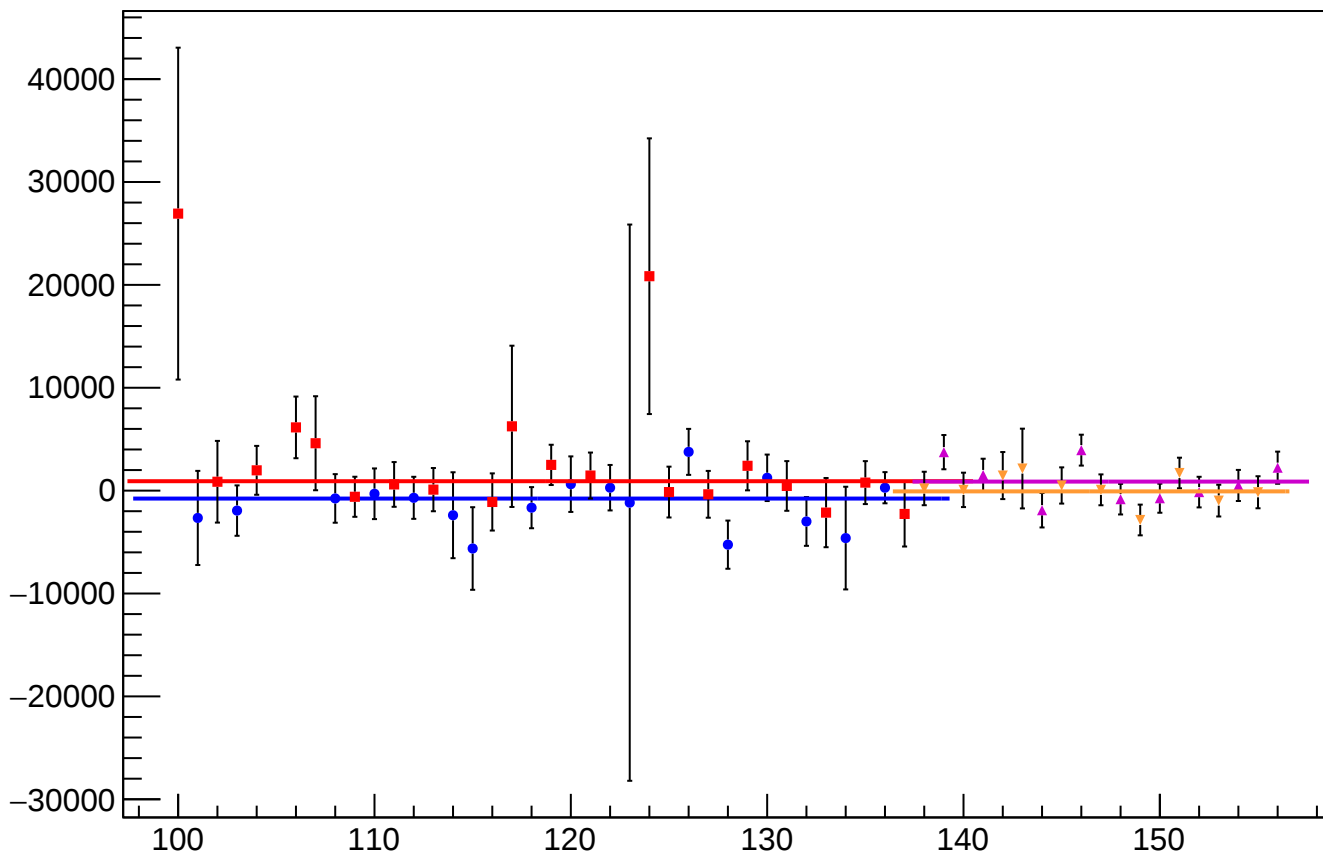
3941.412+/-0.789 χ^2/NDF : 2875556.5/26

Right Out: 3314.183+/-0.967 χ^2/NDF : 1925484.9/19

3910.387+/-0.783 χ^2/NDF : 3435806.6/28

Left In: 5050.287+/-1.337 χ^2/NDF : 402839.8/8

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -72.882+/-535.047 χ^2/NDF : 6.2/9

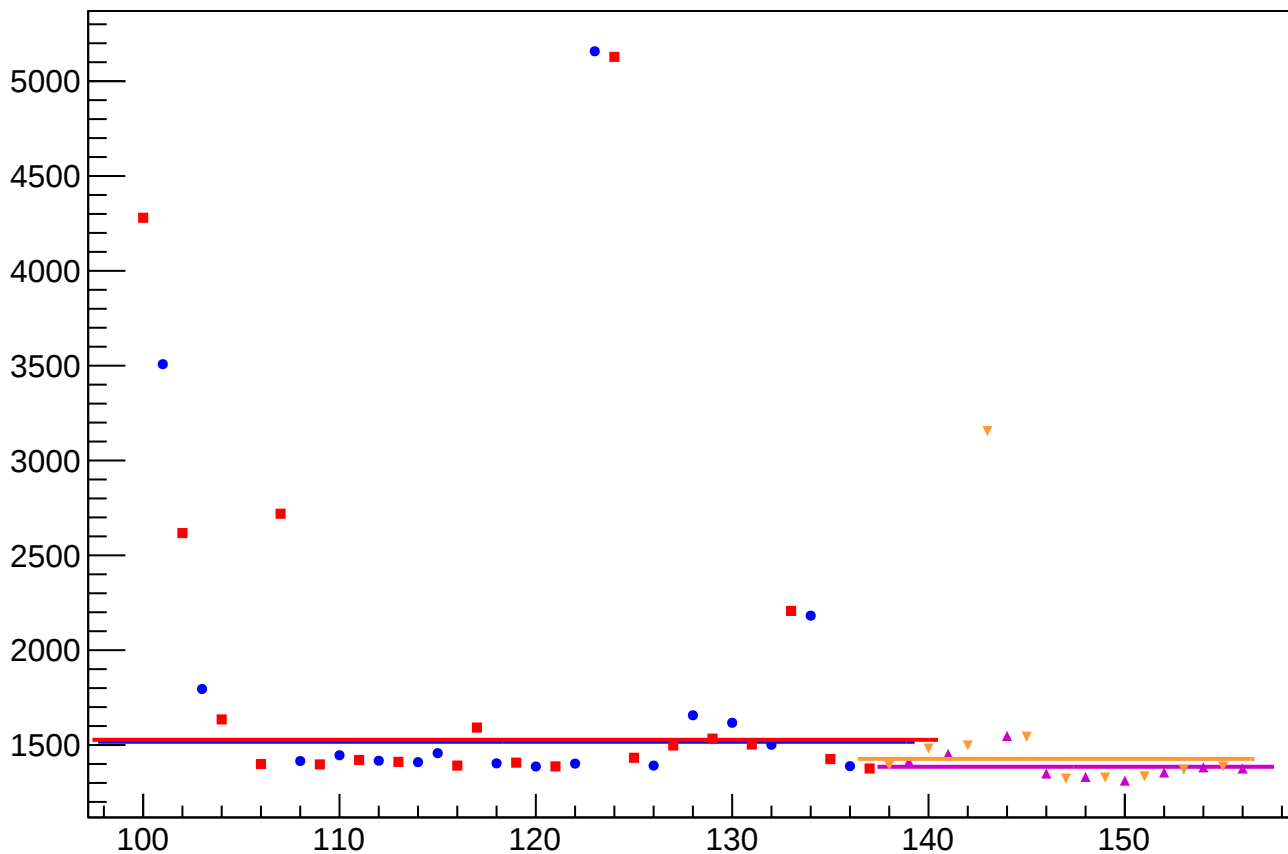
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 878.569+/-512.062 χ^2/NDF : 13.9/8

-380.078+/-400.414 χ^2/NDF : 20.2/26

894.501+/-387.661 χ^2/NDF : 27.9/28

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1426.886+/-0.378 χ^2/NDF : 441367.9/9

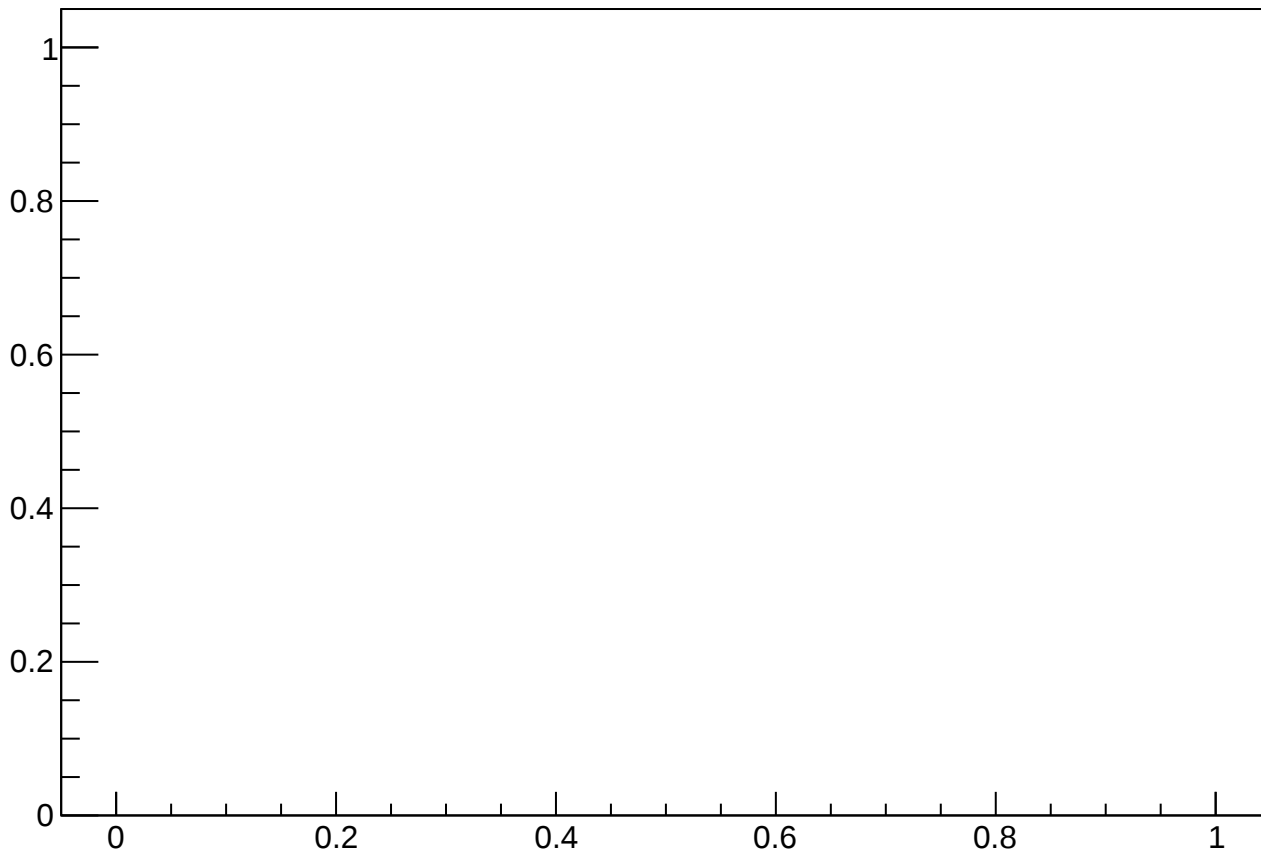
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1385.305+/-0.362 χ^2/NDF : 33019.8/8

1466.678+/-0.283 χ^2/NDF : 1003174.9/26

1445.951+/-0.274 χ^2/NDF : 730560.2/28

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

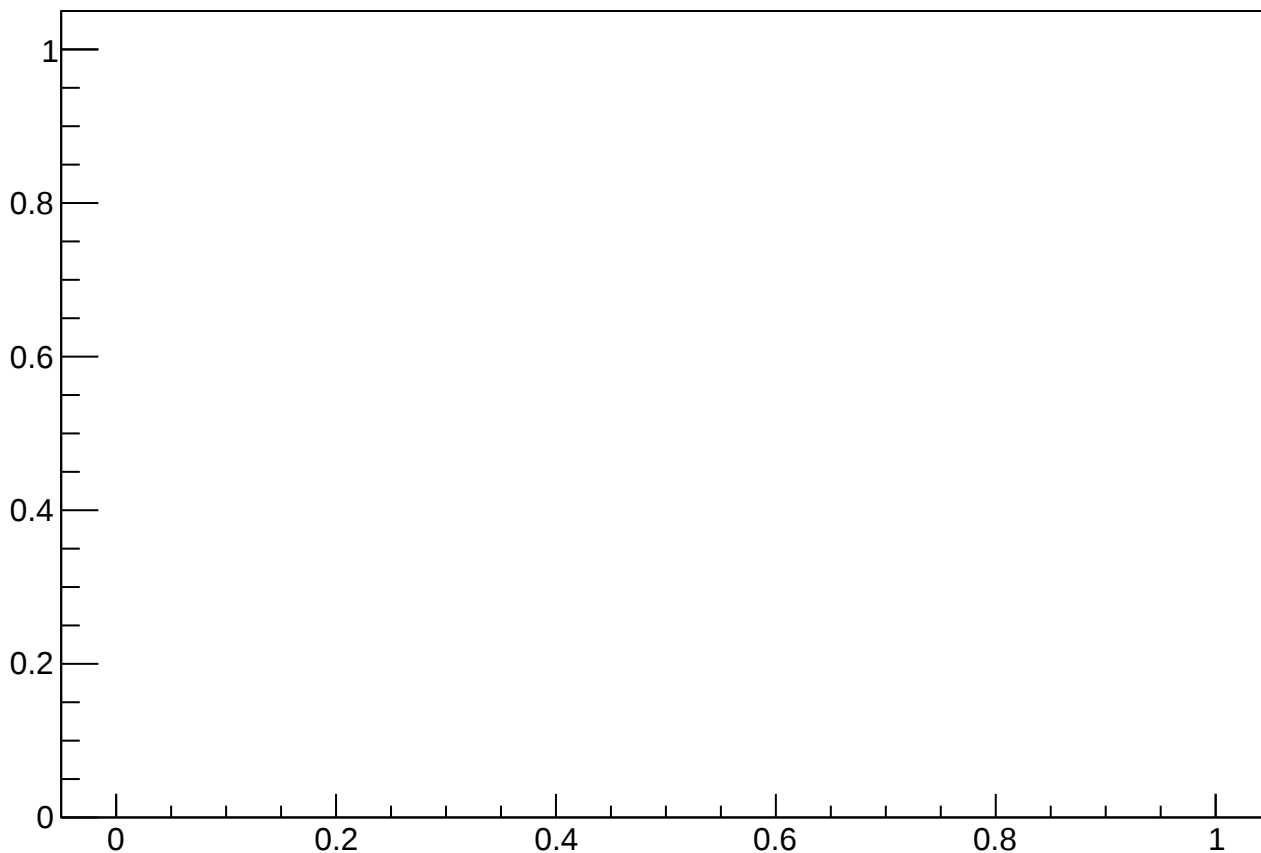
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

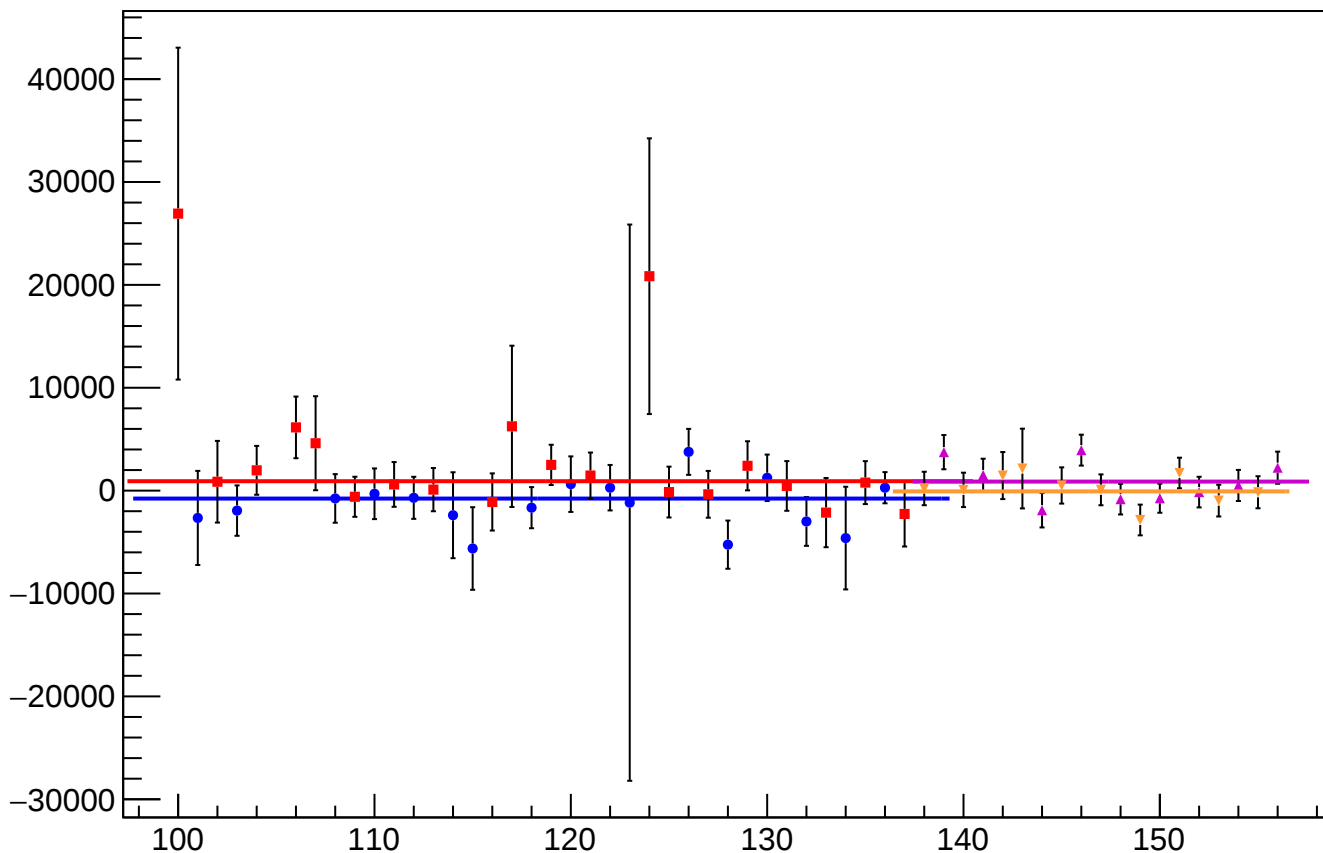
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -72.882+/-535.047 χ^2/NDF : 6.2/9

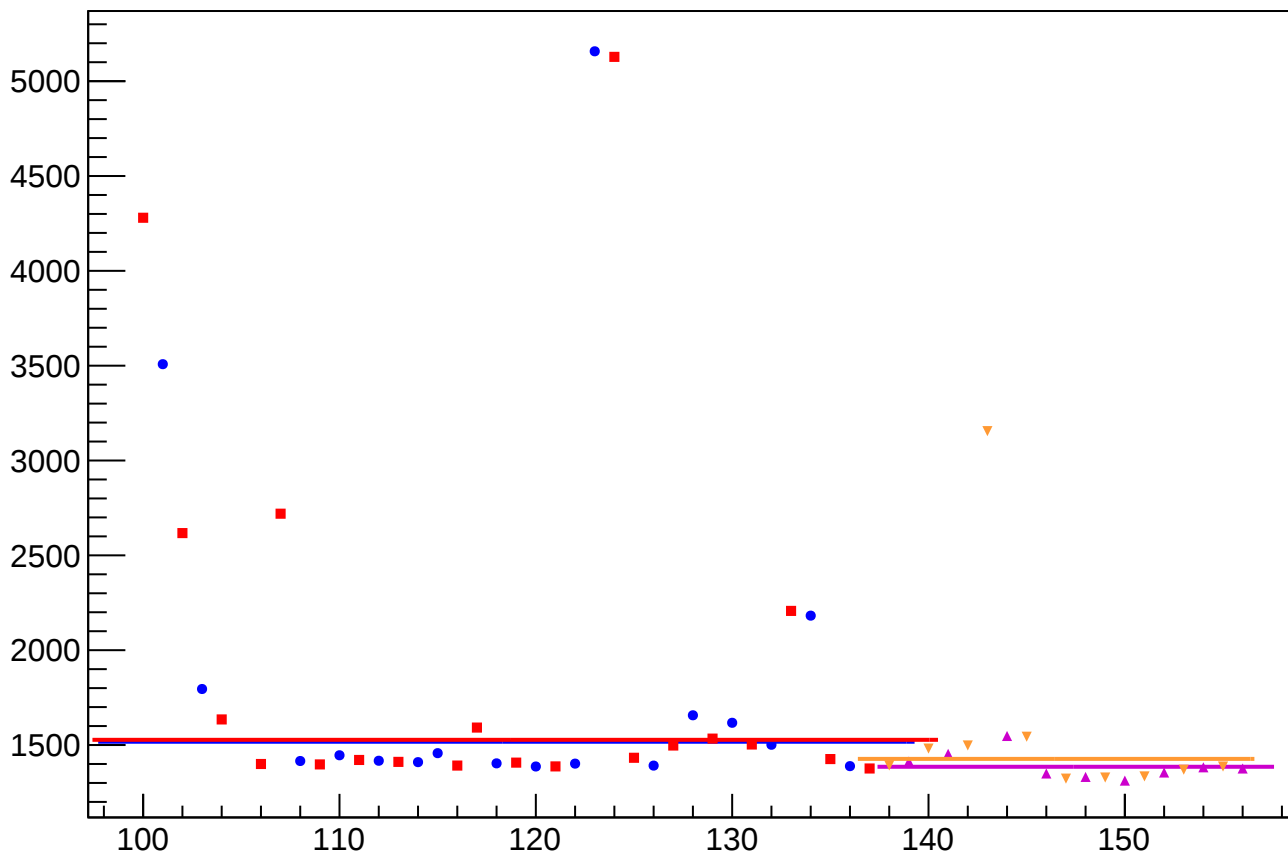
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 878.569+/-512.062 χ^2/NDF : 13.9/8

-380.078+/-400.414 χ^2/NDF : 20.2/26

894.501+/-387.661 χ^2/NDF : 27.9/28

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334 ± 0.427 $\chi^2/\text{NDF}: 536662.7/16$

Left Out: 1426.886 ± 0.378 $\chi^2/\text{NDF}: 441367.9/9$

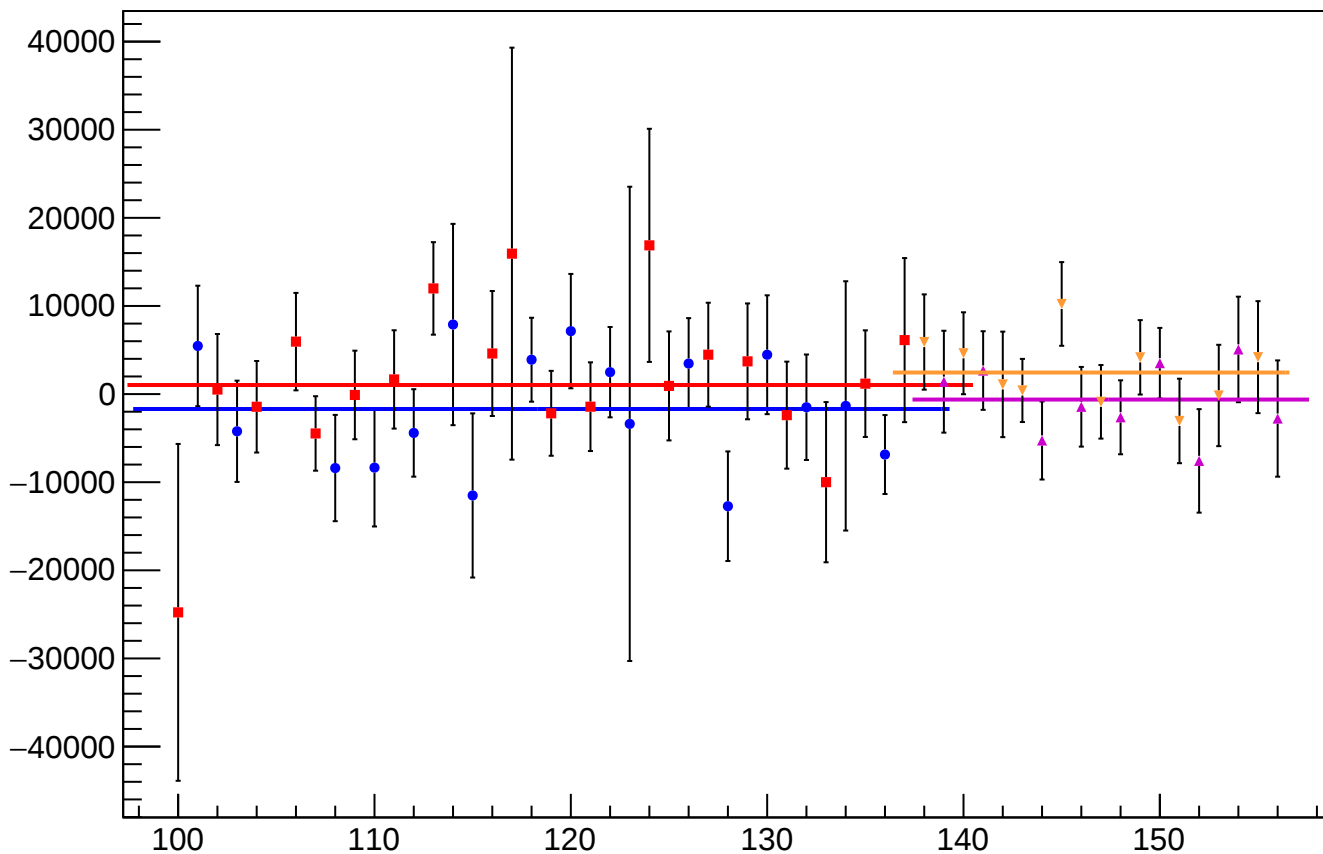
Right Out: 1527.378 ± 0.420 $\chi^2/\text{NDF}: 631820.9/19$

Left In: 1385.305 ± 0.362 $\chi^2/\text{NDF}: 33019.8/8$

1466.678 ± 0.283 $\chi^2/\text{NDF}: 1003174.9/26$

1445.951 ± 0.274 $\chi^2/\text{NDF}: 730560.2/28$

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 $\pm$ 1512.935 χ^2/NDF : 15.8/16

Left Out: 2446.517 $\pm$ 1503.189 χ^2/NDF : 6.1/9

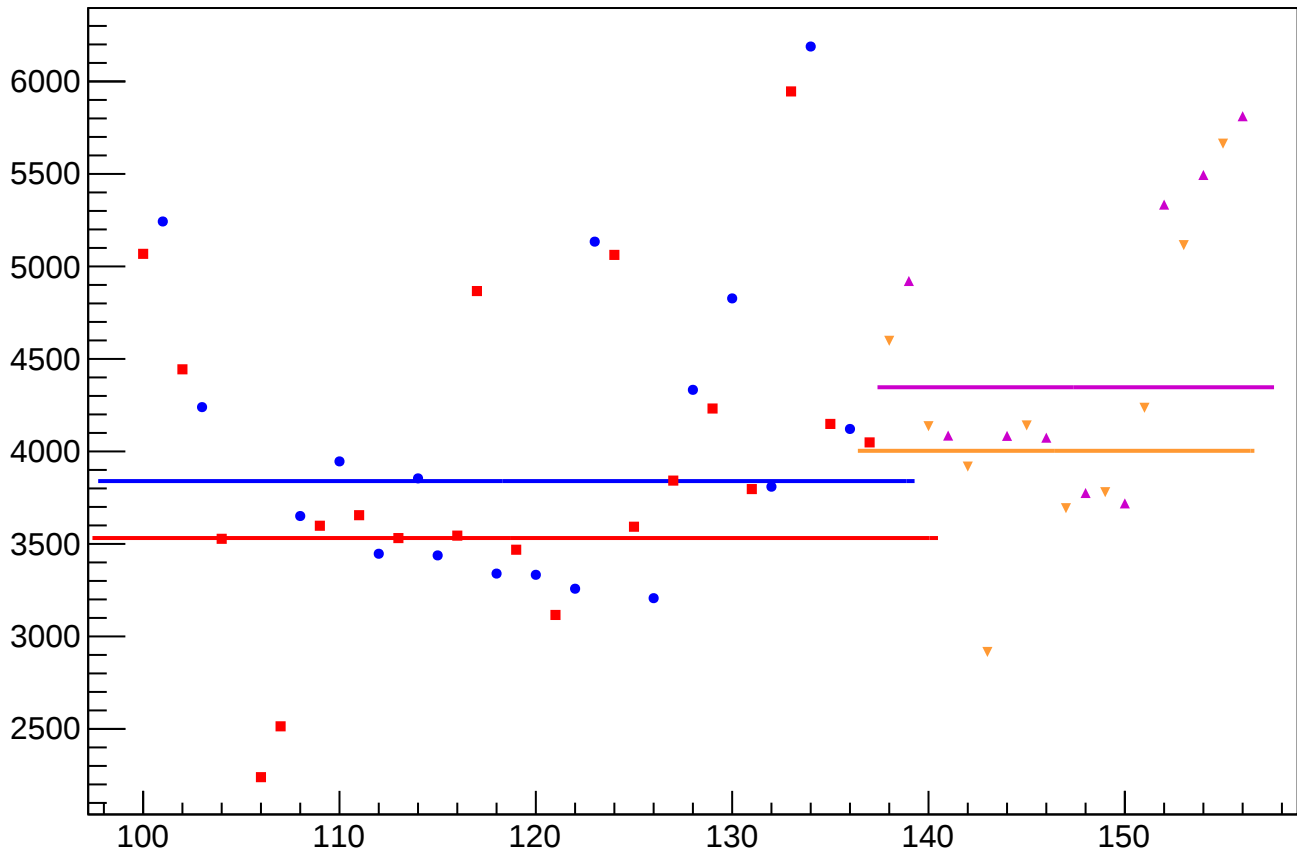
Right Out: 1029.768 $\pm$ 1376.481 χ^2/NDF : 14.3/19

Left In: -620.448 $\pm$ 1624.103 χ^2/NDF : 5.5/8

390.332 $\pm$ 1066.344 χ^2/NDF : 25.7/26

339.922 $\pm$ 1050.072 χ^2/NDF : 20.4/28

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4003.353+/-1.063 χ^2/NDF : 444758.8/9

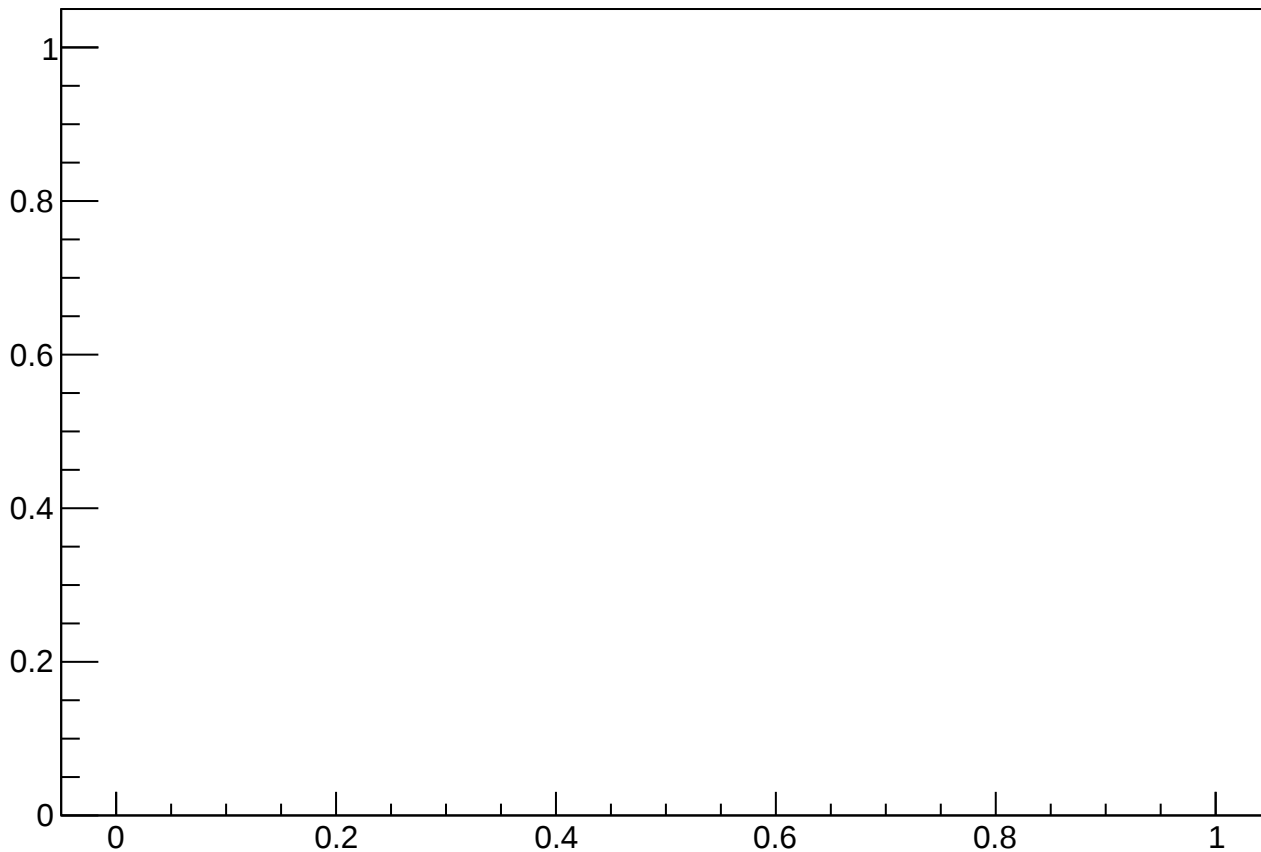
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4346.878+/-1.148 χ^2/NDF : 355753.6/8

3922.078+/-0.754 χ^2/NDF : 782487.0/26

3868.975+/-0.739 χ^2/NDF : 1212409.6/28

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



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

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

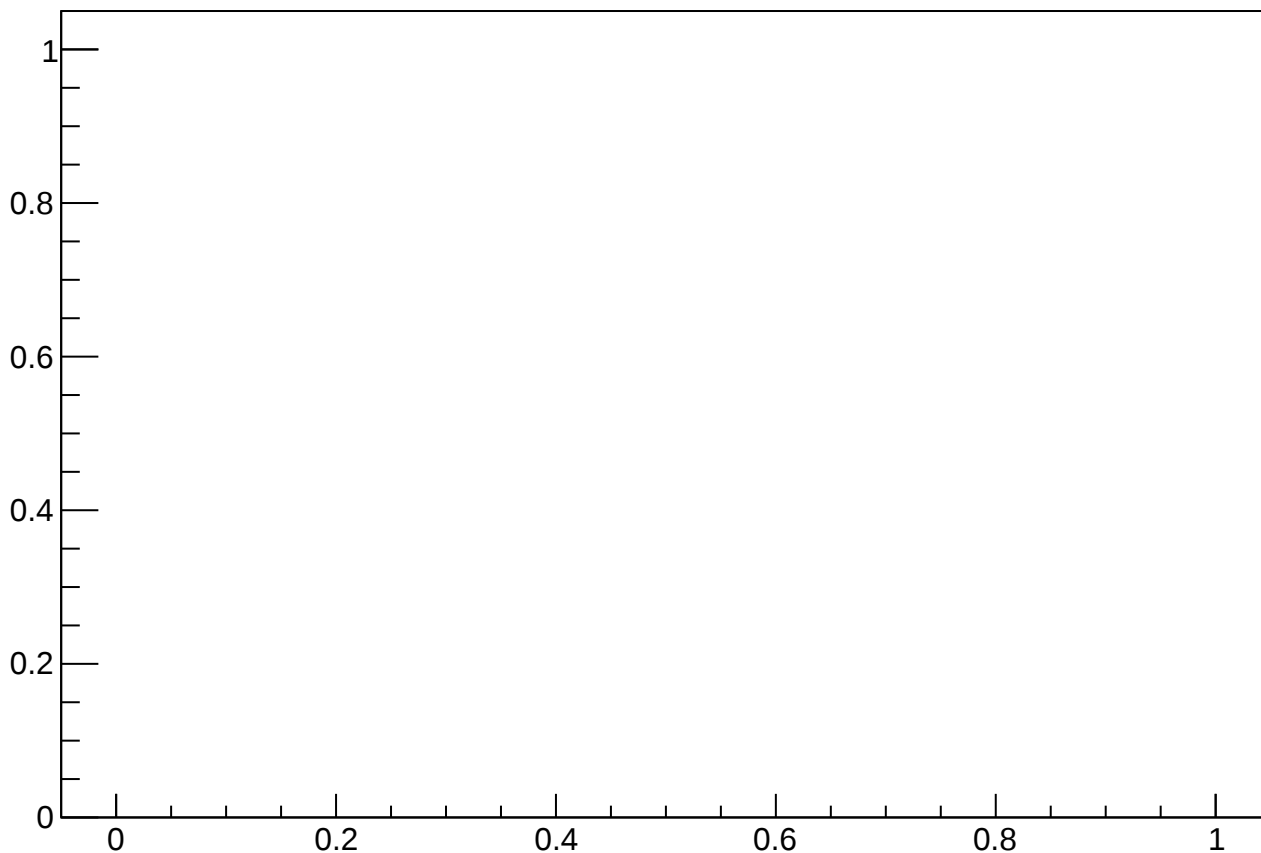
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



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

0.000+/-0.000 χ^2/NDF : 0.0/0

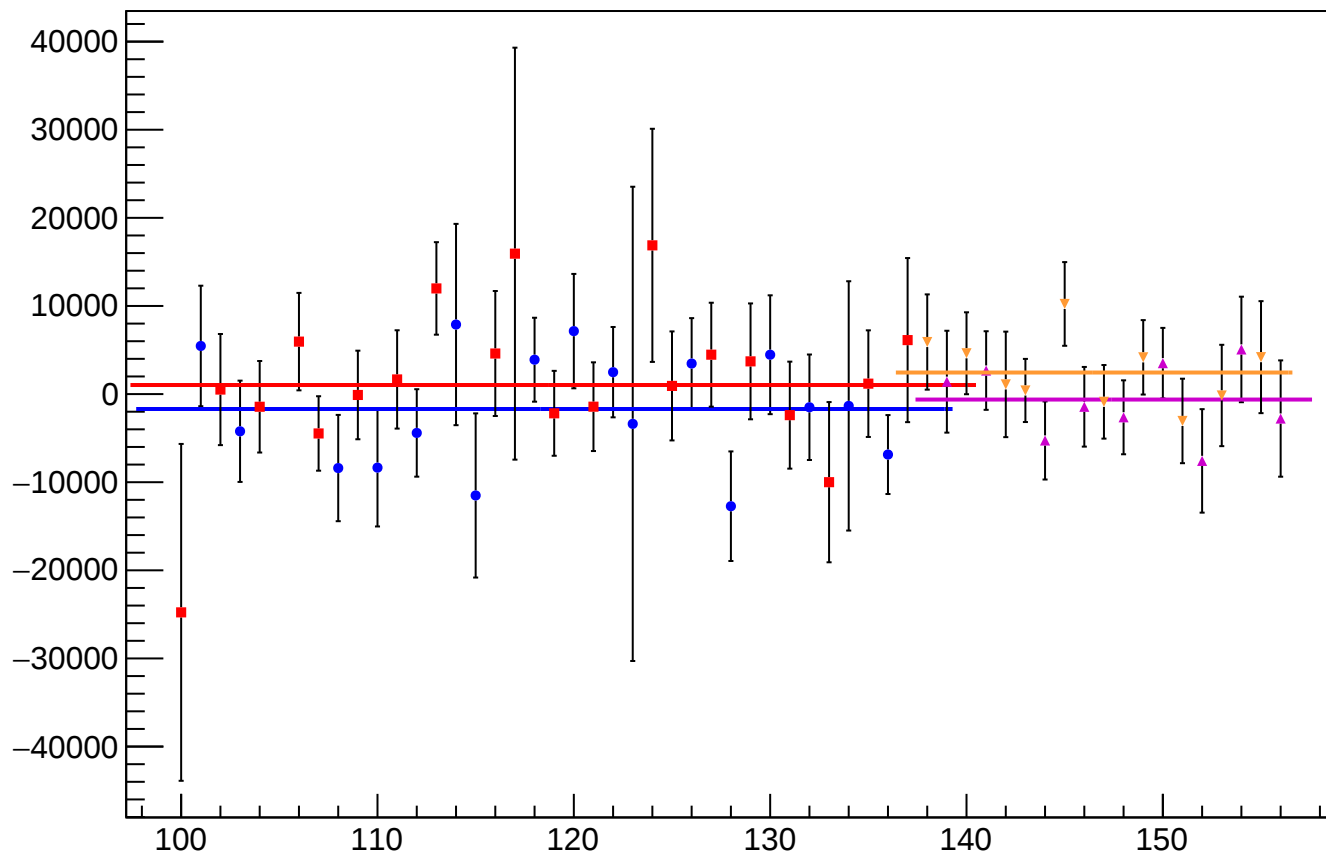
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

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

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

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604+/-1512.935 χ^2/NDF : 15.8/16

Left Out: 2446.517+/-1503.189 χ^2/NDF : 6.1/9

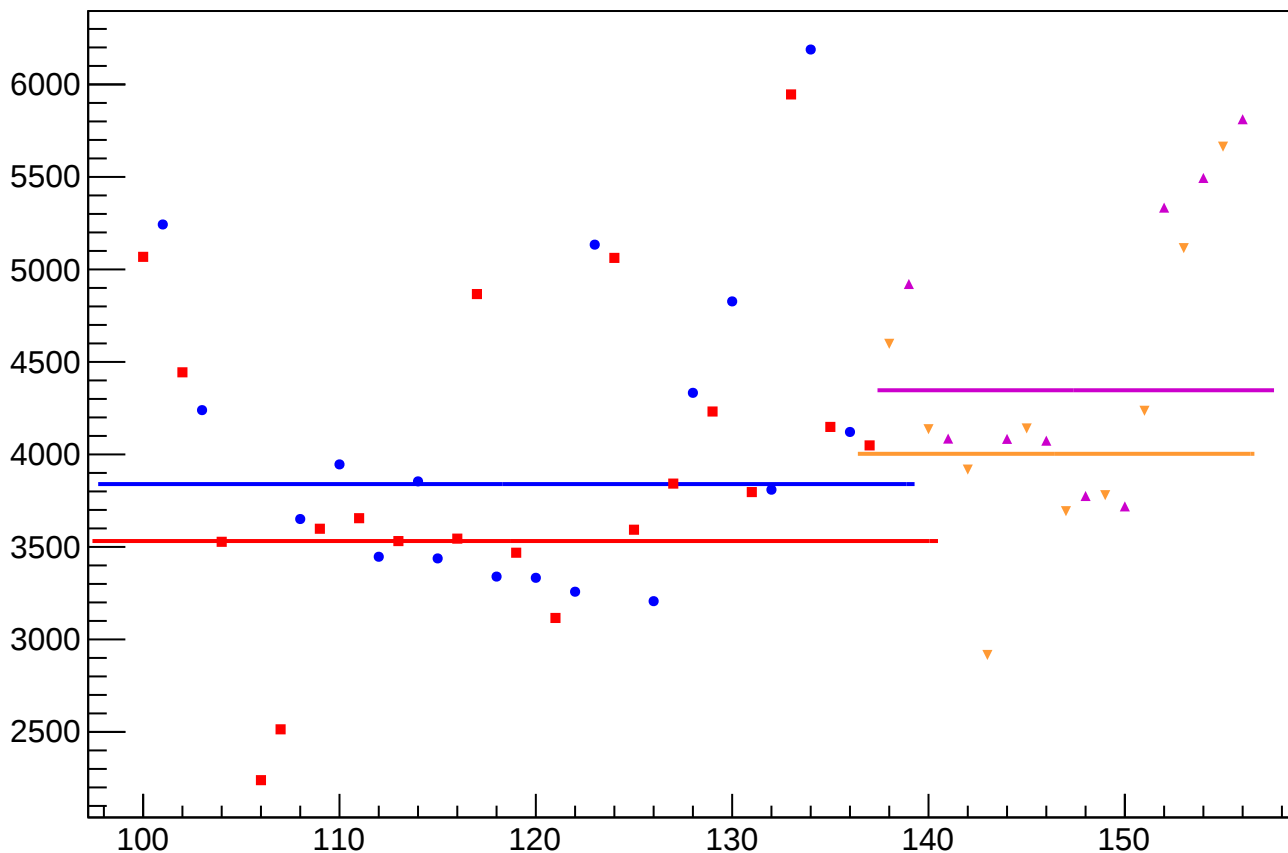
Right Out: 1029.768+/-1376.481 χ^2/NDF : 14.3/19

Left In: -620.448+/-1624.103 χ^2/NDF : 5.5/8

390.332+/-1066.344 χ^2/NDF : 25.7/26

339.922+/-1050.072 χ^2/NDF : 20.4/28

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4003.353+/-1.063 χ^2/NDF : 444758.8/9

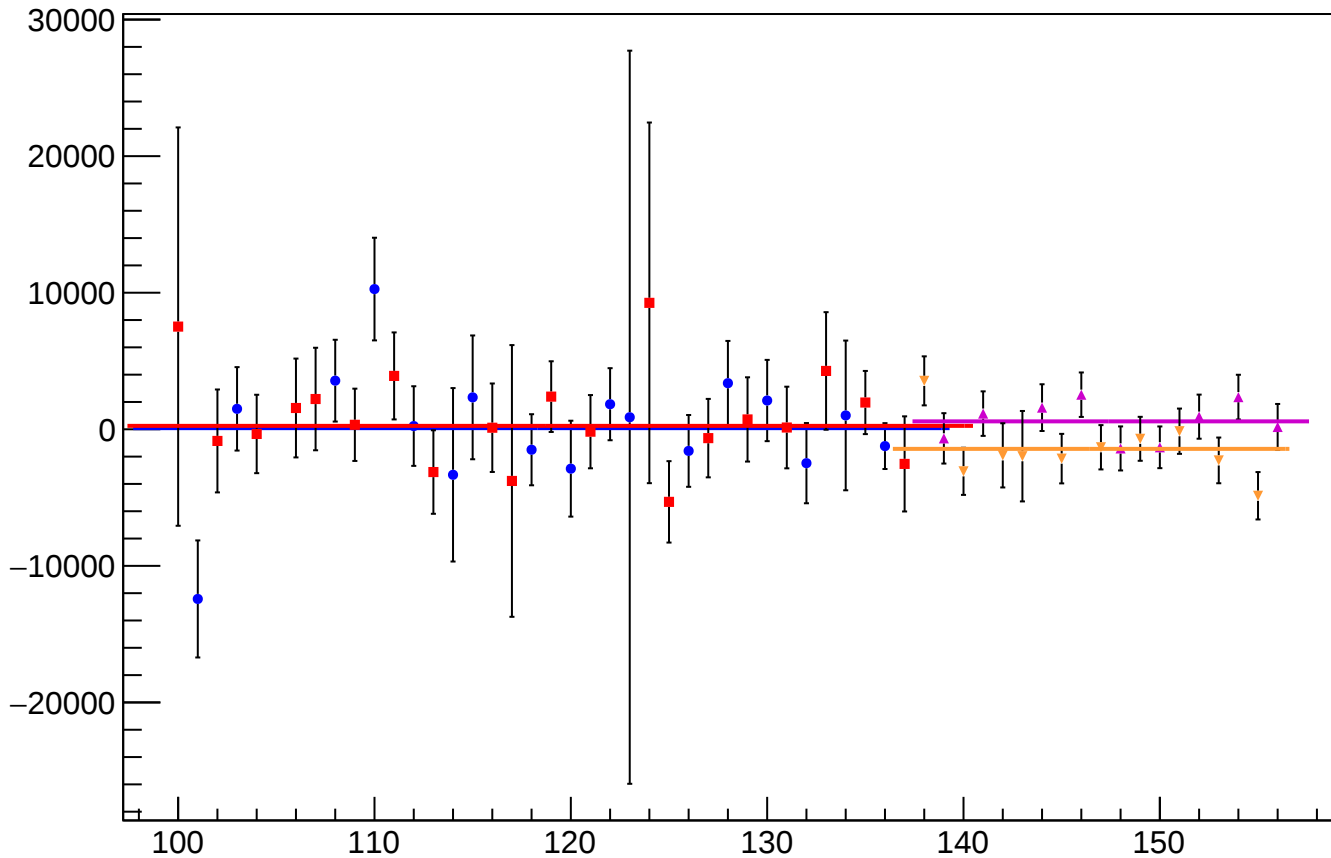
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4346.878+/-1.148 χ^2/NDF : 355753.6/8

3922.078+/-0.754 χ^2/NDF : 782487.0/26

3868.975+/-0.739 χ^2/NDF : 1212409.6/28

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -1433.592 $\pm$ 573.388 χ^2 /NDF:13.8/9

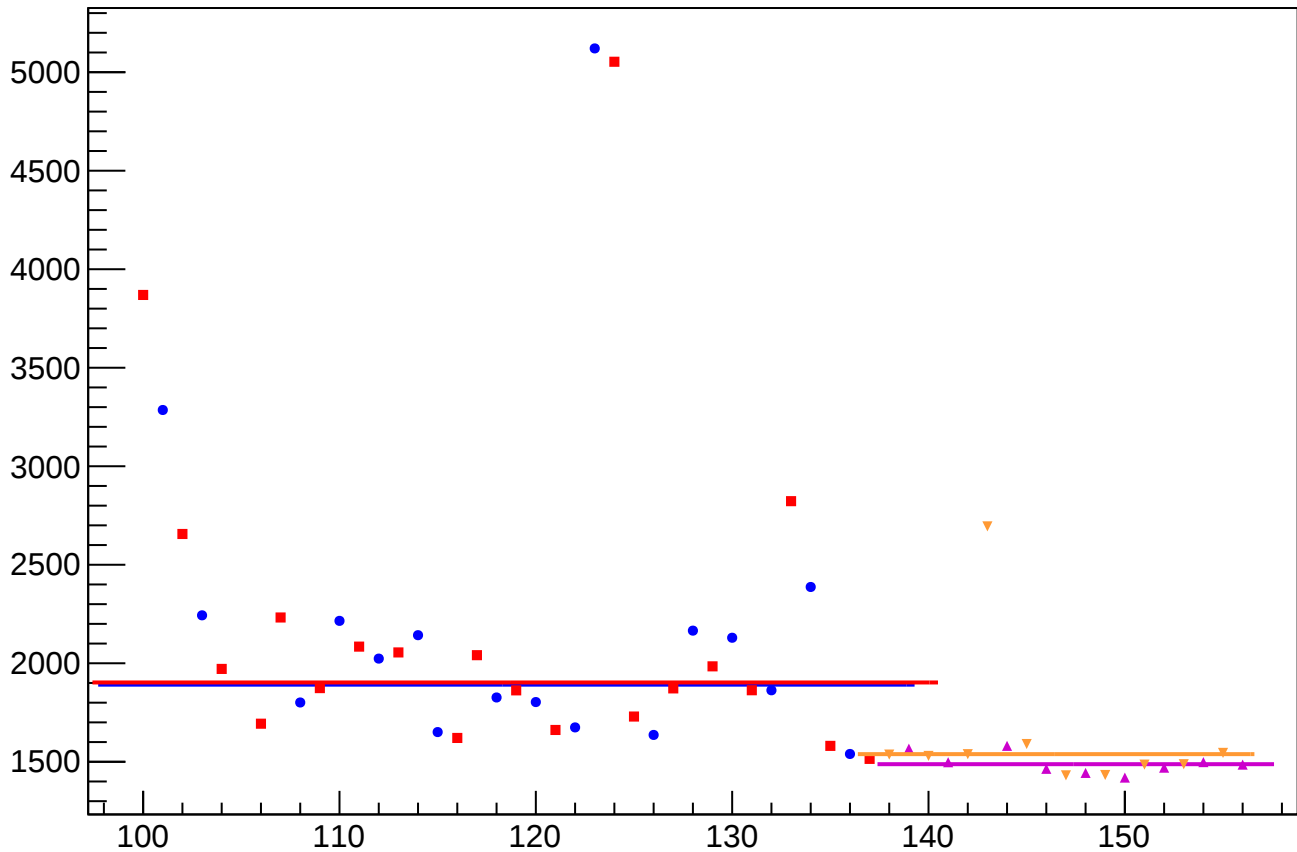
Right Out: 250.743 $\pm$ 732.124 χ^2 /NDF: 10.3/19

Left In: 580.328 $\pm$ 549.496 χ^2 /NDF:6.7/8

-874.350 $\pm$ 455.639 χ^2 /NDF: 39.3/26

461.566 $\pm$ 439.481 χ^2 /NDF: 17.2/28

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1538.797+/-0.405 χ^2/NDF : 266817.1/9

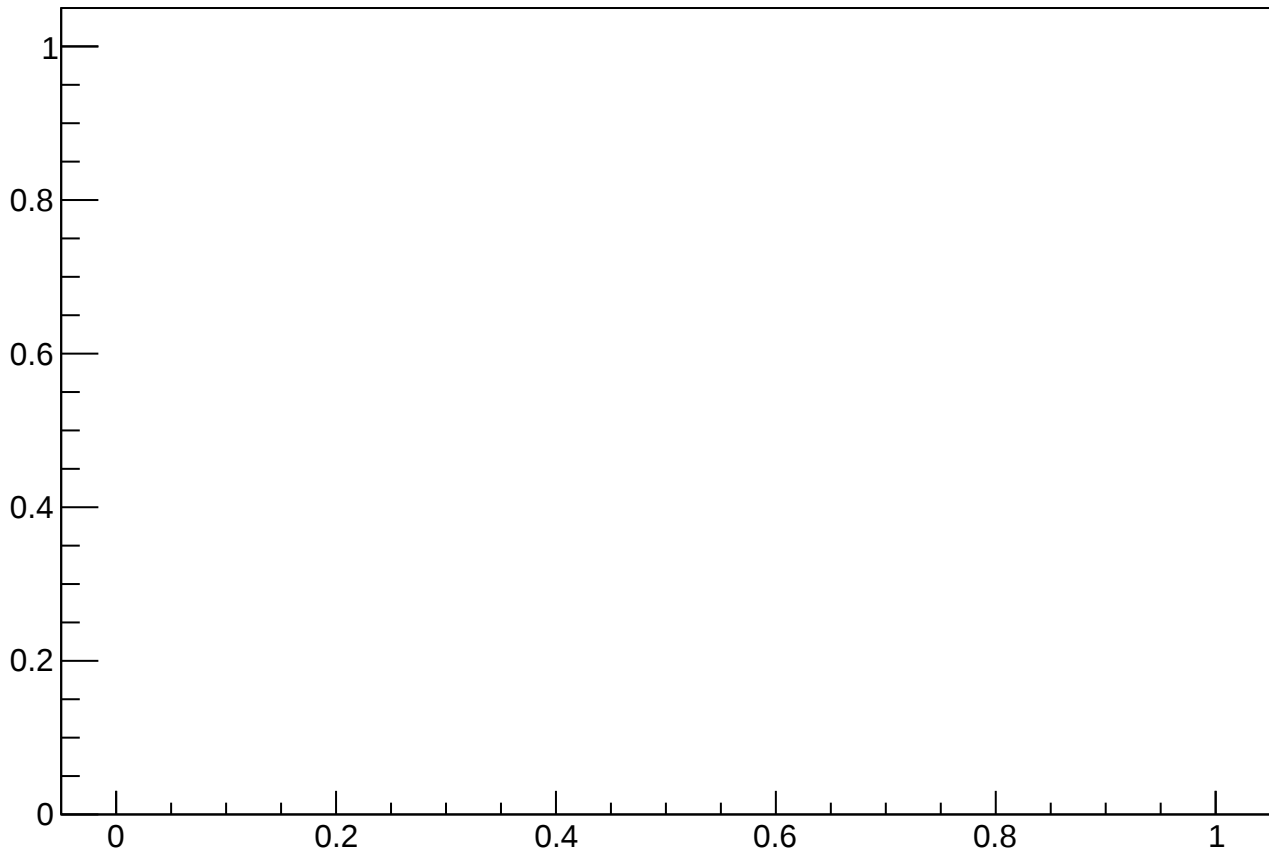
Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

Left In: 1487.817+/-0.389 χ^2/NDF : 15868.6/8

1668.781+/-0.322 χ^2/NDF : 1010195.9/26

1637.265+/-0.311 χ^2/NDF : 887488.8/28

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

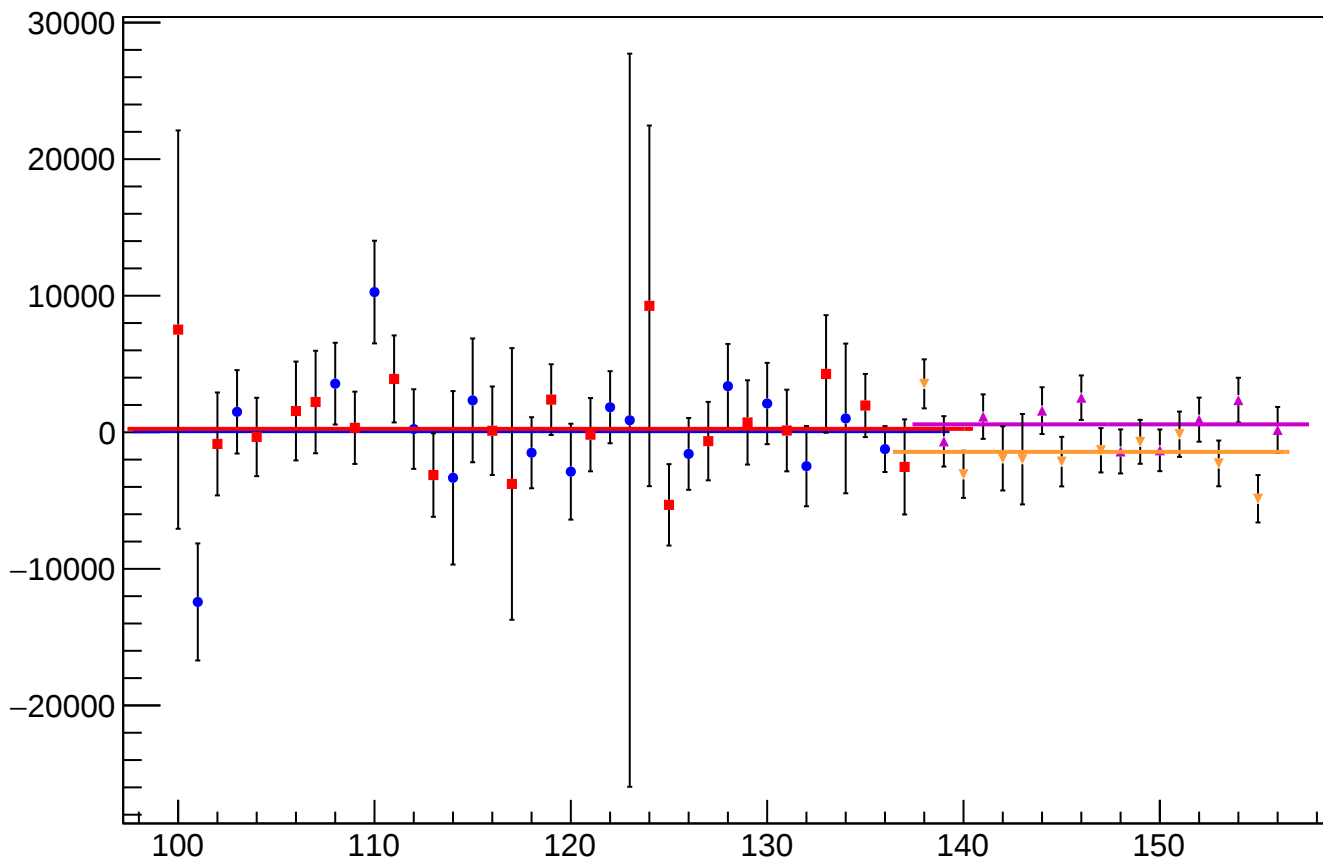
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -1433.592+/-573.388 χ^2/NDF :13.8/9

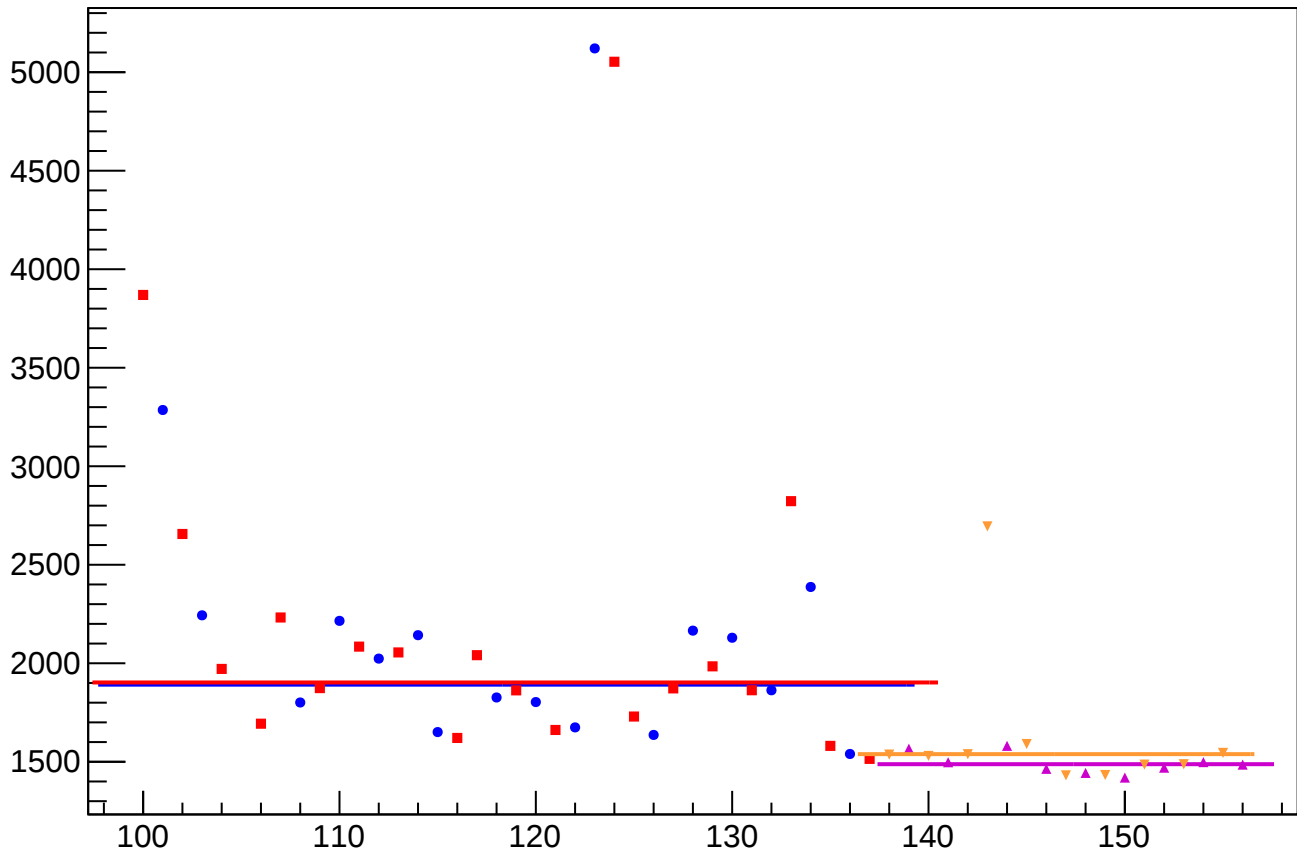
Right Out: 250.743+/-732.124 χ^2/NDF : 10.3/19

Left In: 580.328+/-549.496 χ^2/NDF :6.7/8

-874.350+/-455.639 χ^2/NDF : 39.3/26

461.566+/-439.481 χ^2/NDF : 17.2/28

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1538.797+/-0.405 χ^2/NDF : 266817.1/9

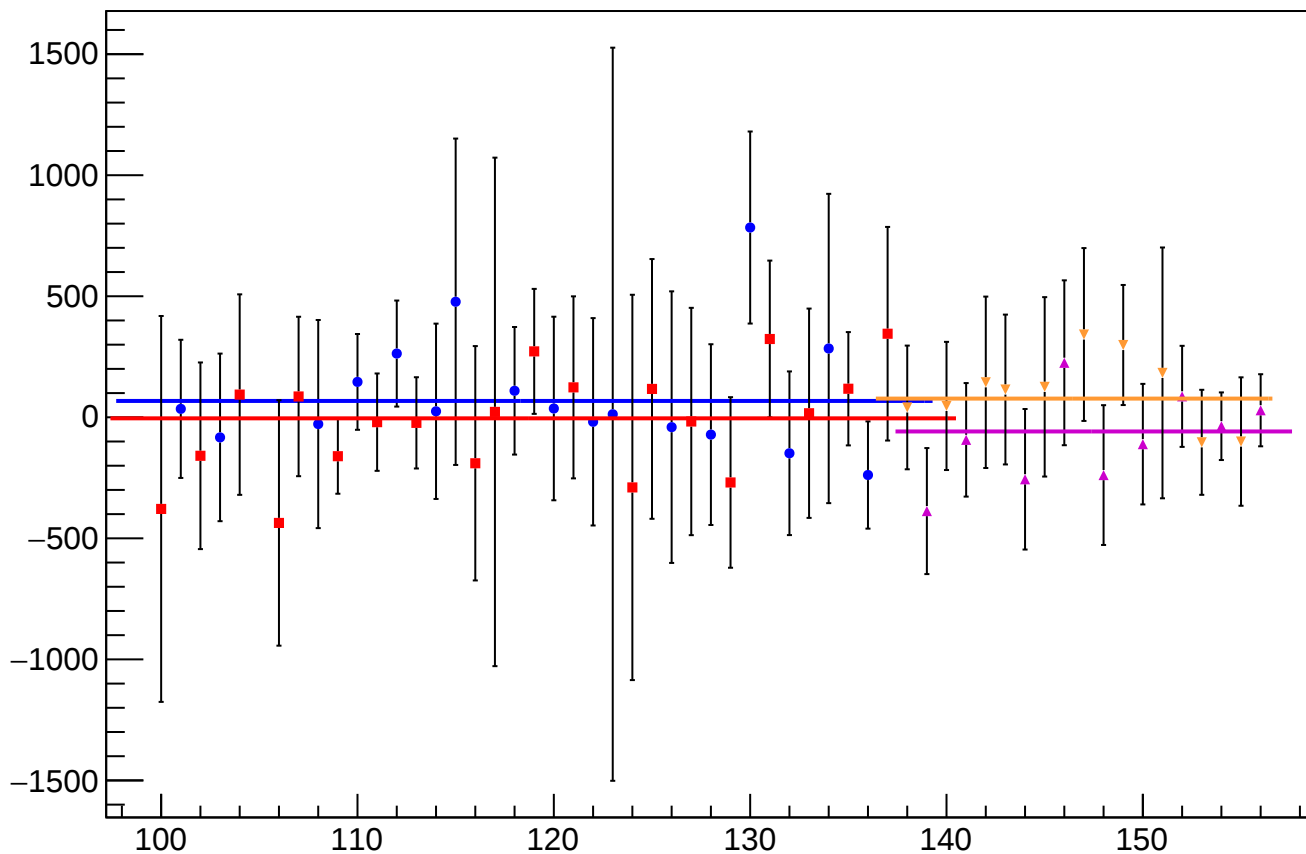
Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

Left In: 1487.817+/-0.389 χ^2/NDF : 15868.6/8

1668.781+/-0.322 χ^2/NDF : 1010195.9/26

1637.265+/-0.311 χ^2/NDF : 887488.8/28

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542 $\pm$ 79.608 χ^2 /NDF: 7.5/16

Left Out: 77.242 $\pm$ 91.829 χ^2 /NDF: 2.6/9

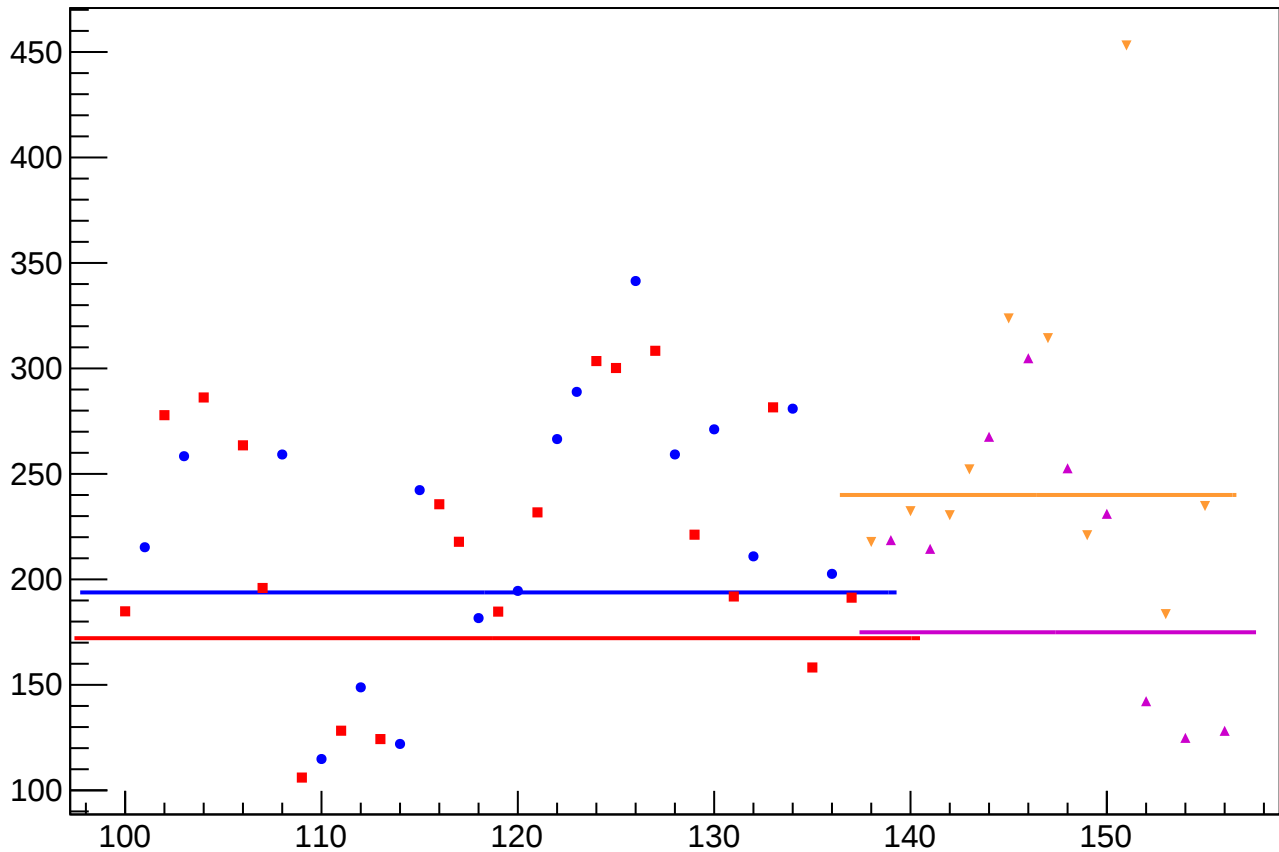
Right Out: -4.305 $\pm$ 69.854 χ^2 /NDF: 6.4/19

Left In: -58.508 $\pm$ 70.554 χ^2 /NDF: 4.1/8

71.704 $\pm$ 60.151 χ^2 /NDF: 10.2/26

-31.136 $\pm$ 49.640 χ^2 /NDF: 10.7/28

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: 240.016+/-0.065 χ^2/NDF : 696912.7/9

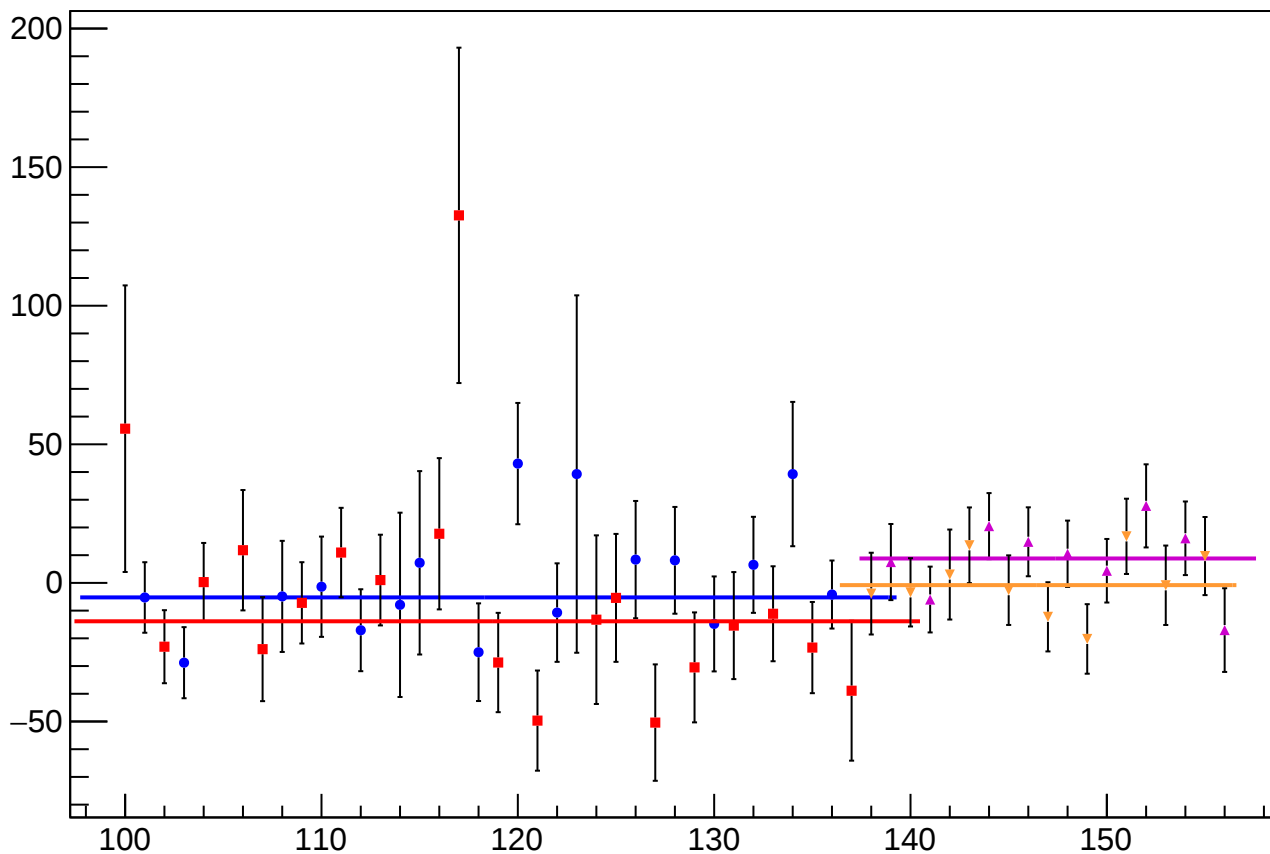
Right Out: 172.123+/-0.049 χ^2/NDF : 1580879.9/19

Left In: 174.928+/-0.050 χ^2/NDF : 1357563.1/8

213.639+/-0.043 χ^2/NDF : 1996278.6/26

173.512+/-0.035 χ^2/NDF : 2940039.7/28

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231 ± 4.356 $\chi^2/\text{NDF}: 15.5/16$

-2.974 ± 3.050 $\chi^2/\text{NDF}: 22.8/26$

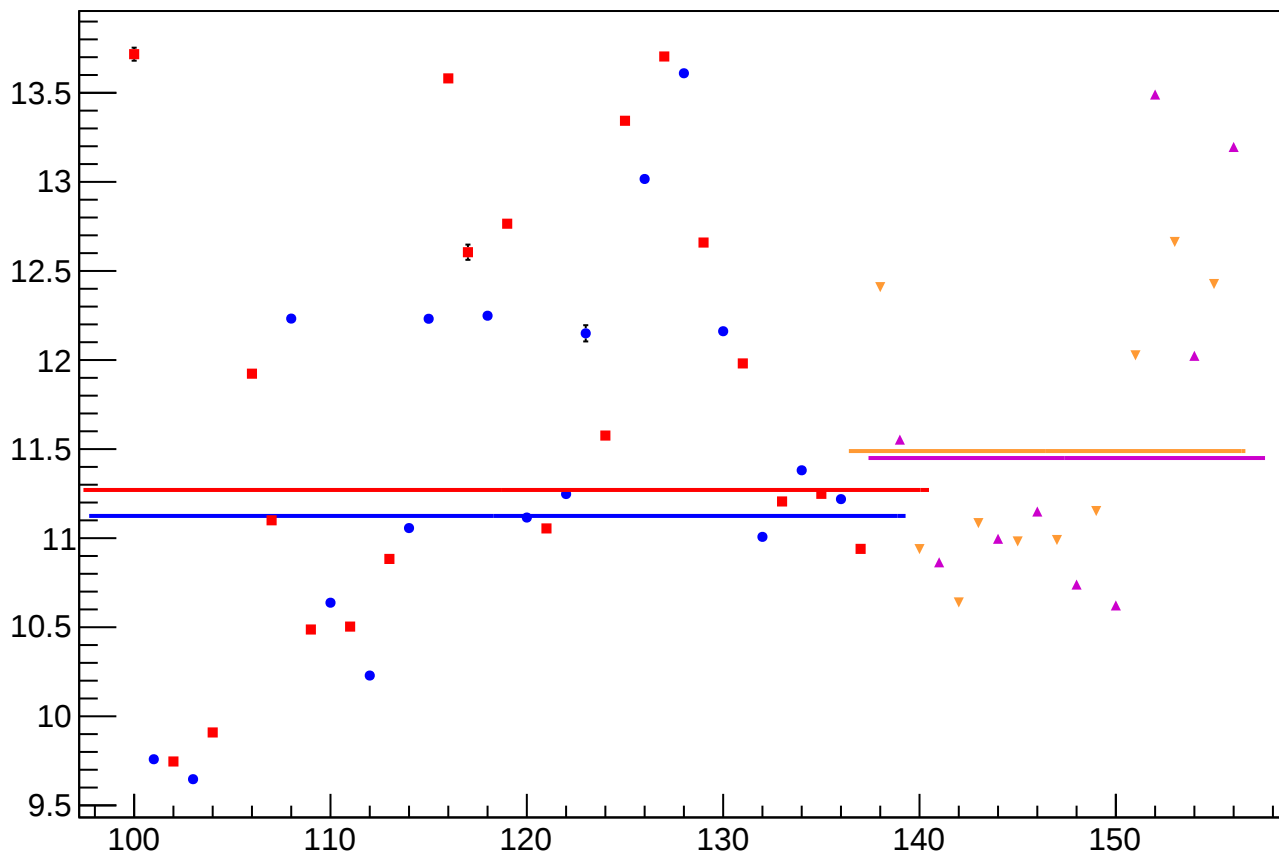
Left Out: -0.804 ± 4.272 $\chi^2/\text{NDF}: 6.7/9$

Right Out: -13.851 ± 4.255 $\chi^2/\text{NDF}: 25.4/19$

-2.546 ± 3.012 $\chi^2/\text{NDF}: 47.3/28$

Left In: 8.810 ± 4.264 $\chi^2/\text{NDF}: 7.8/8$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.125+/-0.003 χ^2/NDF : 132520.1/16

Left Out: 11.489+/-0.003 χ^2/NDF : 52332.9/9

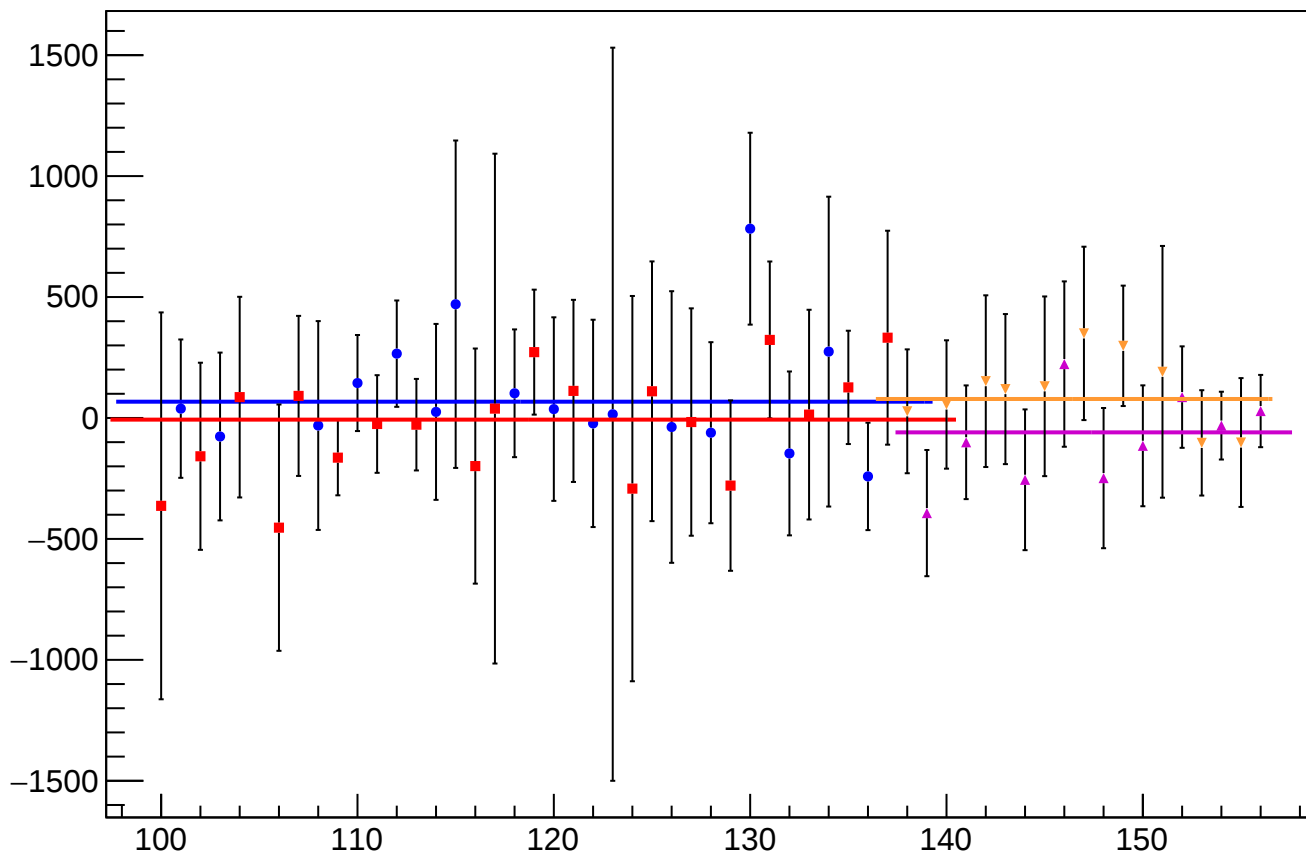
Right Out: 11.271+/-0.003 χ^2/NDF : 148711.4/19

Left In: 11.450+/-0.003 χ^2/NDF : 94022.9/8

11.310+/-0.002 χ^2/NDF : 191978.0/26

11.360+/-0.002 χ^2/NDF : 244506.1/28

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: 78.501+/-92.121 χ^2/NDF : 2.7/9

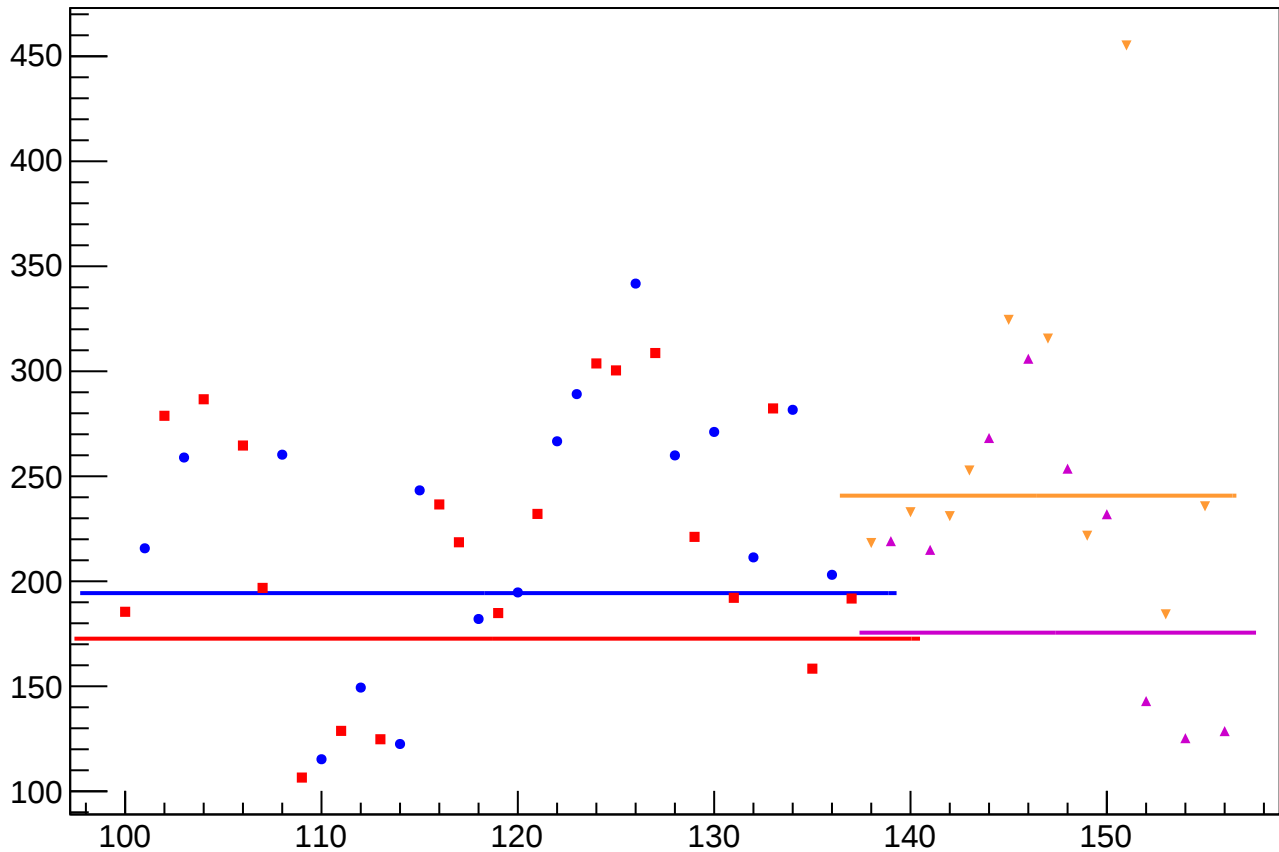
Right Out: -6.837+/-70.057 χ^2/NDF : 6.4/19

Left In: -59.503+/-70.794 χ^2/NDF : 4.1/8

72.106+/-60.324 χ^2/NDF : 10.2/26

-32.894+/-49.796 χ^2/NDF : 10.9/28

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.365+/-0.056 χ^2/NDF : 1005234.4/16

Left Out: 240.776+/-0.065 χ^2/NDF : 697116.0/9

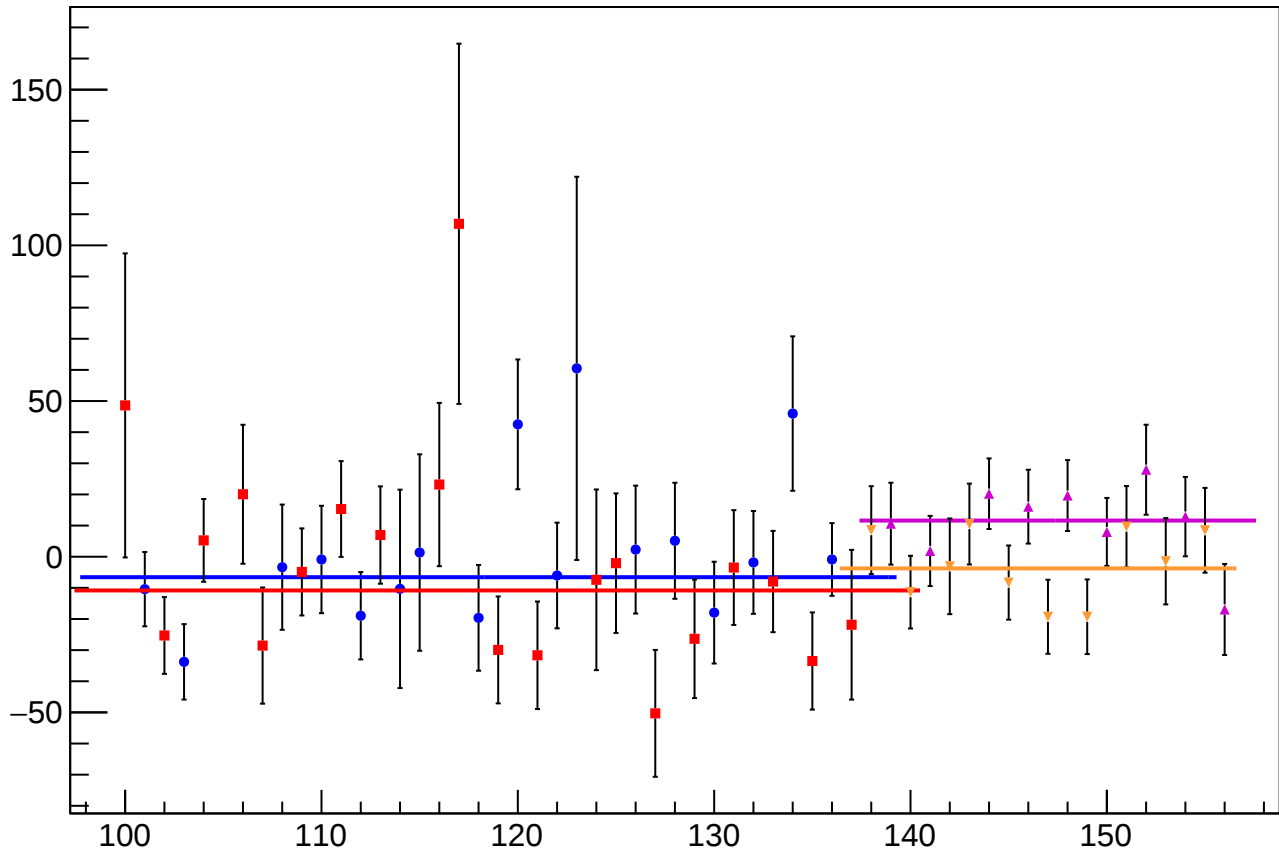
214.267+/-0.043 χ^2/NDF : 1992312.0/26

Right Out: 172.675+/-0.050 χ^2/NDF : 1573459.1/19

174.090+/-0.035 χ^2/NDF : 2930762.8/28

Left In: 175.534+/-0.050 χ^2/NDF : 1355656.0/8

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575+/-4.157 χ^2/NDF : 19.3/16

-5.133+/-2.912 χ^2/NDF : 27.4/26

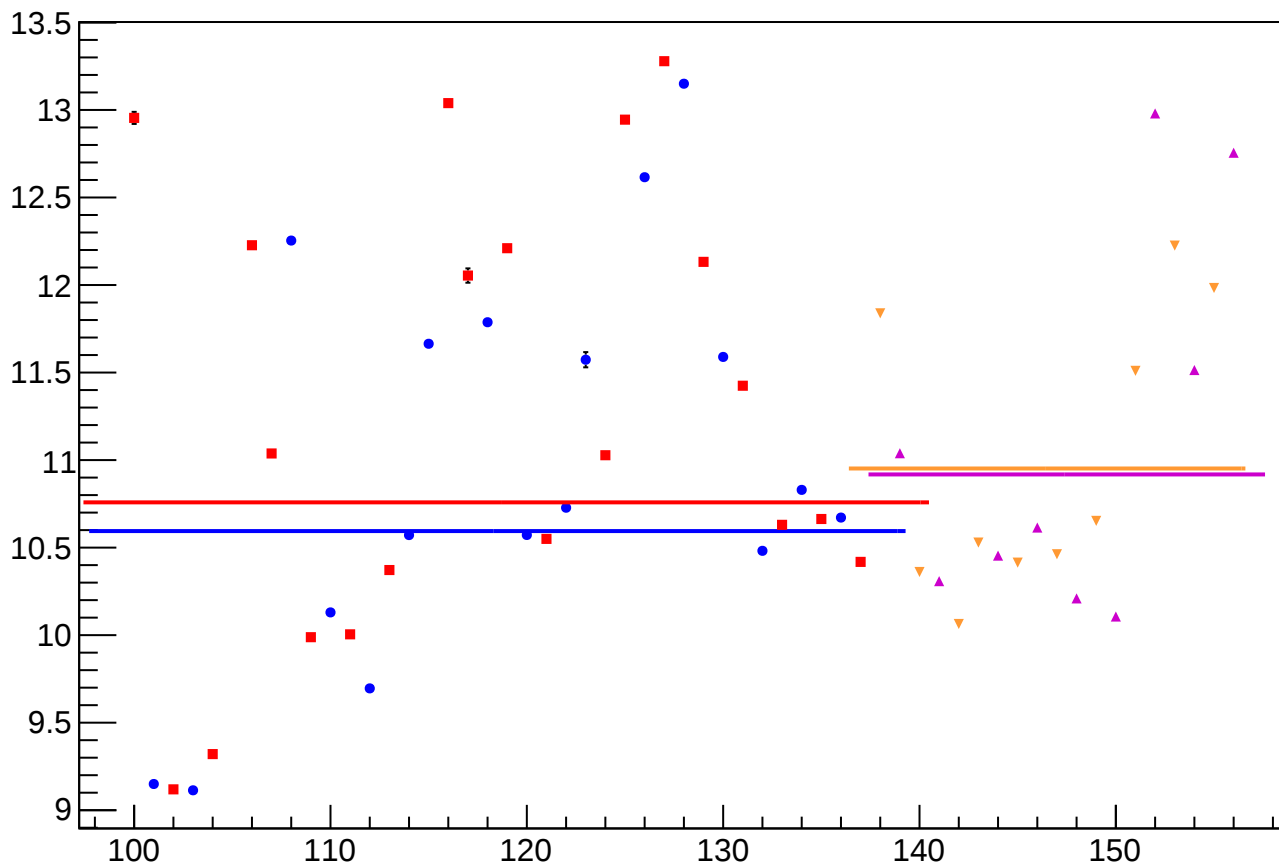
Left Out: -3.744+/-4.079 χ^2/NDF : 7.8/9

Right Out: -10.838+/-4.070 χ^2/NDF : 27.1/19

0.378+/-2.879 χ^2/NDF : 49.5/28

Left In: 11.612+/-4.073 χ^2/NDF : 7.2/8

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 $\pm$ 0.003 χ^2 /NDF: 160059.2/16

Left Out: 10.952 $\pm$ 0.003 χ^2 /NDF:62572.0/9

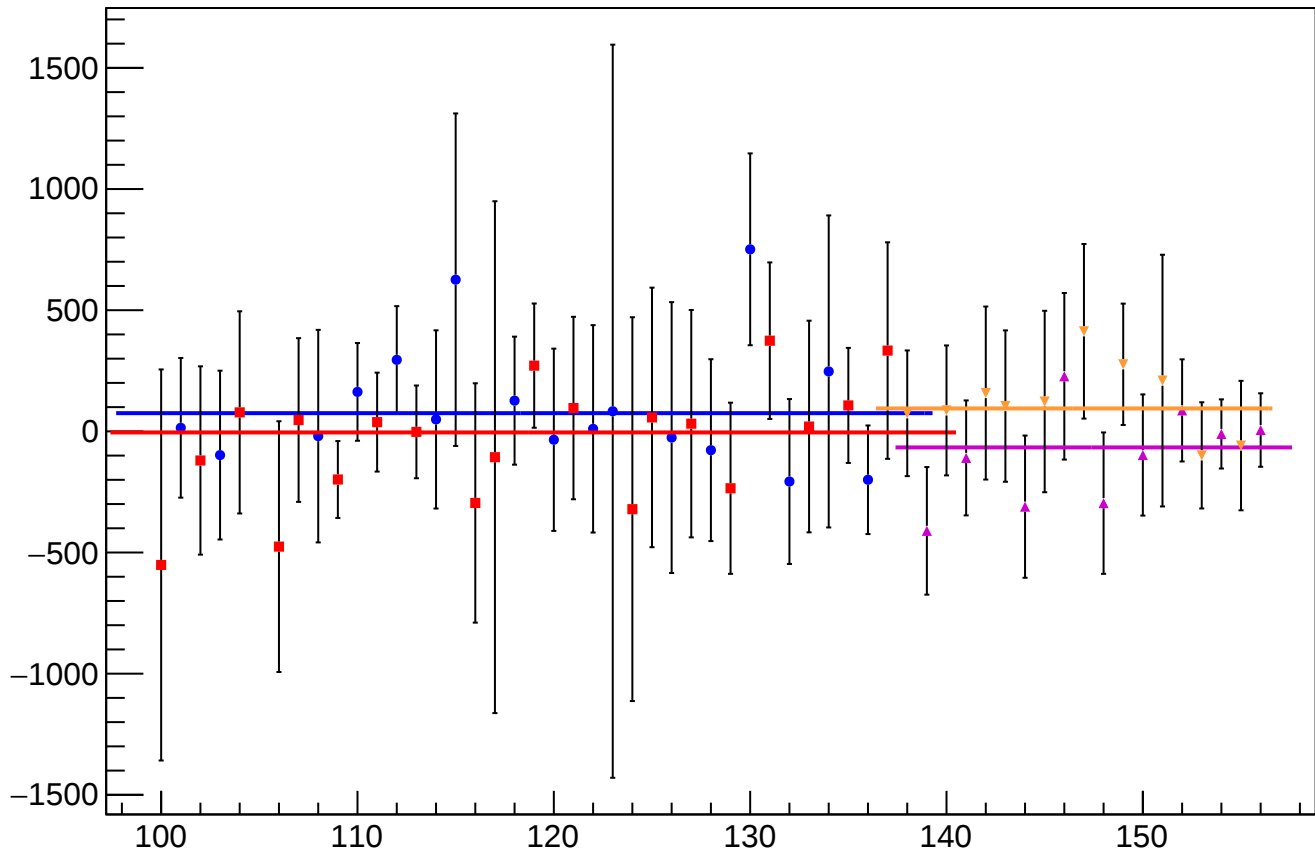
Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 178180.9/19

Left In: 10.918 $\pm$ 0.003 χ^2 /NDF:106136.0/8

10.777 $\pm$ 0.002 χ^2 /NDF: 230165.1/26

10.838 $\pm$ 0.002 χ^2 /NDF: 285852.4/28

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: 94.527 $\pm$ 92.768 χ^2 /NDF: 2.5/9

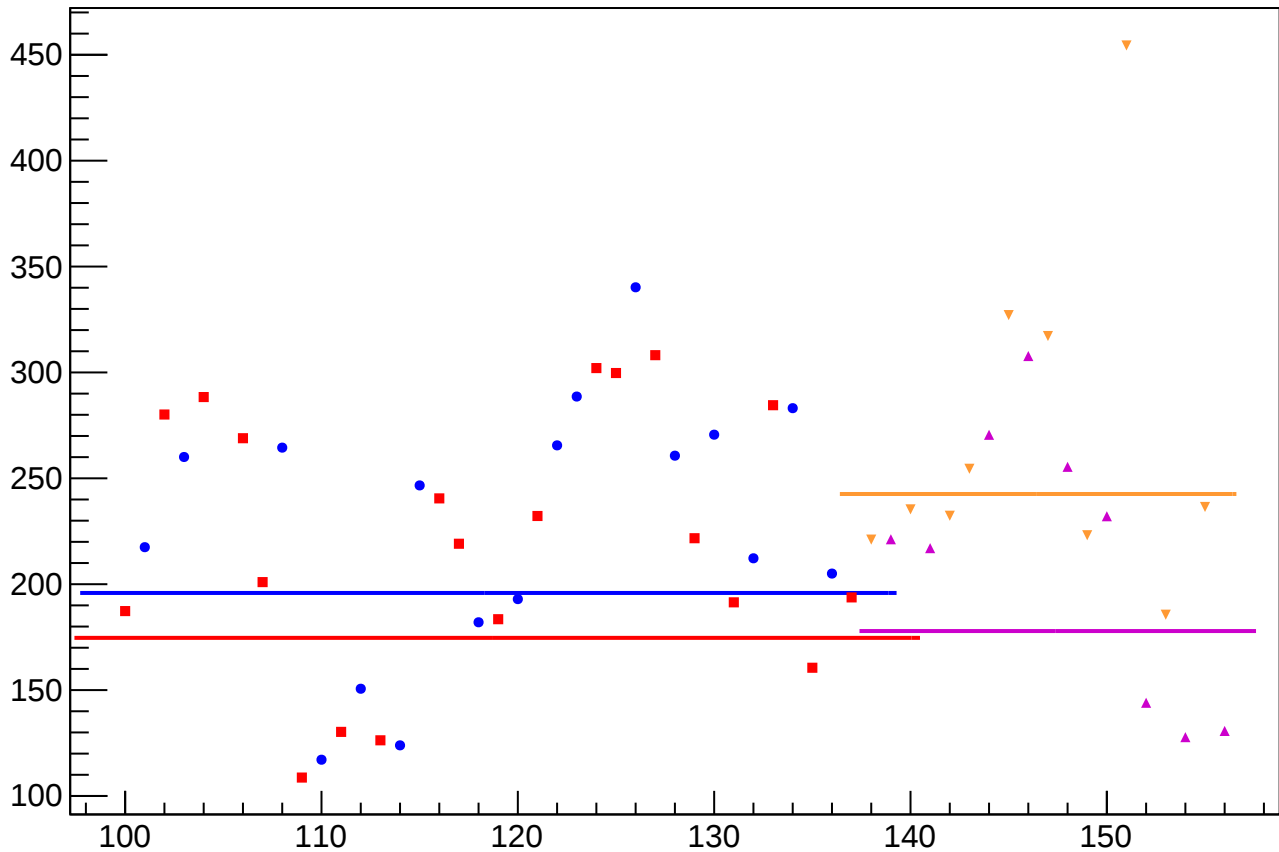
Right Out: -4.459 $\pm$ 70.724 χ^2 /NDF: 7.3/19

Left In: -66.283 $\pm$ 71.594 χ^2 /NDF: 4.7/8

83.419 $\pm$ 60.736 χ^2 /NDF: 10.2/26

-34.993 $\pm$ 50.314 χ^2 /NDF: 12.4/28

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869+/-0.057 χ^2/NDF : 979247.4/16

Left Out: 242.600+/-0.066 χ^2/NDF : 688503.9/9

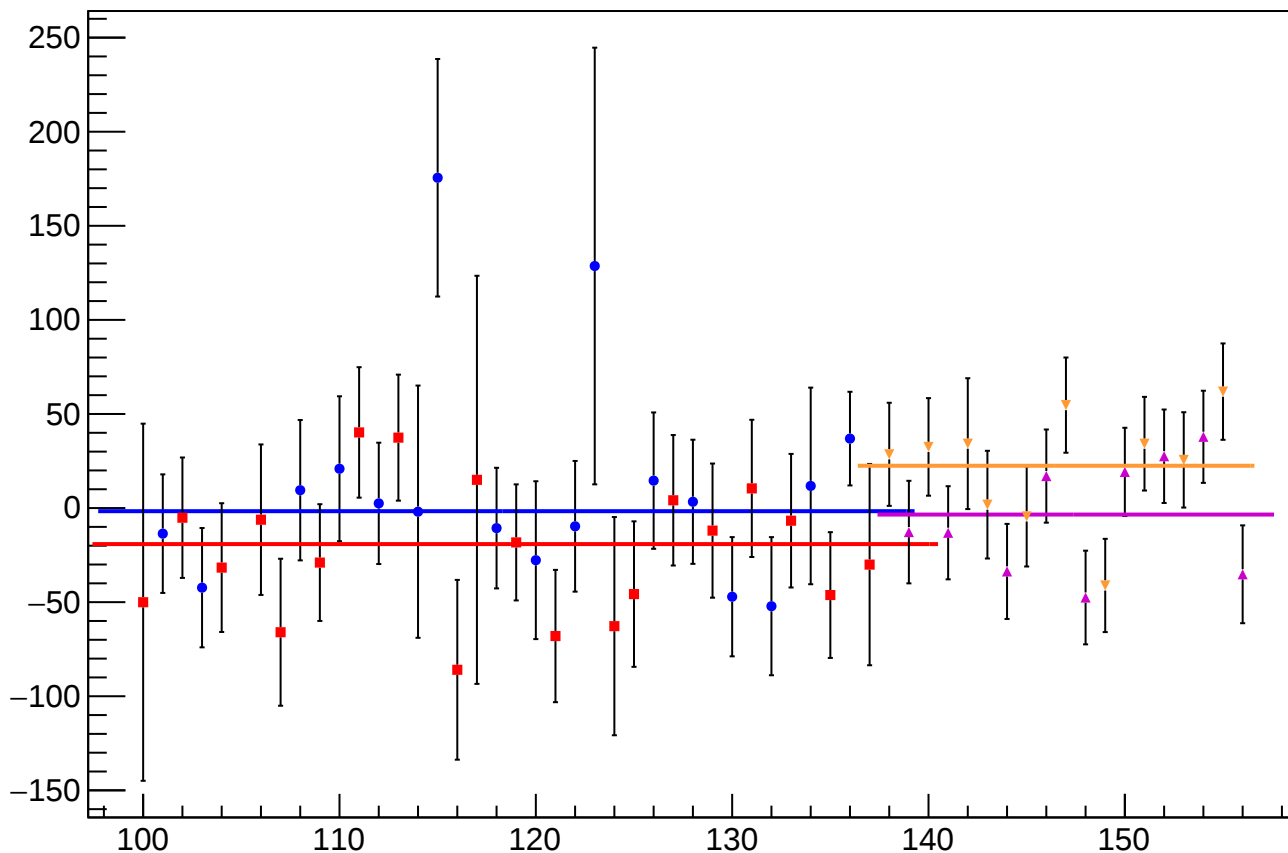
Right Out: 174.665+/-0.050 χ^2/NDF : 1532335.9/19

Left In: 177.880+/-0.051 χ^2/NDF : 1320524.6/8

215.900+/-0.043 χ^2/NDF : 1957723.4/26

176.253+/-0.036 χ^2/NDF : 2854901.4/28

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 22.491 ± 8.401 χ^2/NDF : 12.7/9

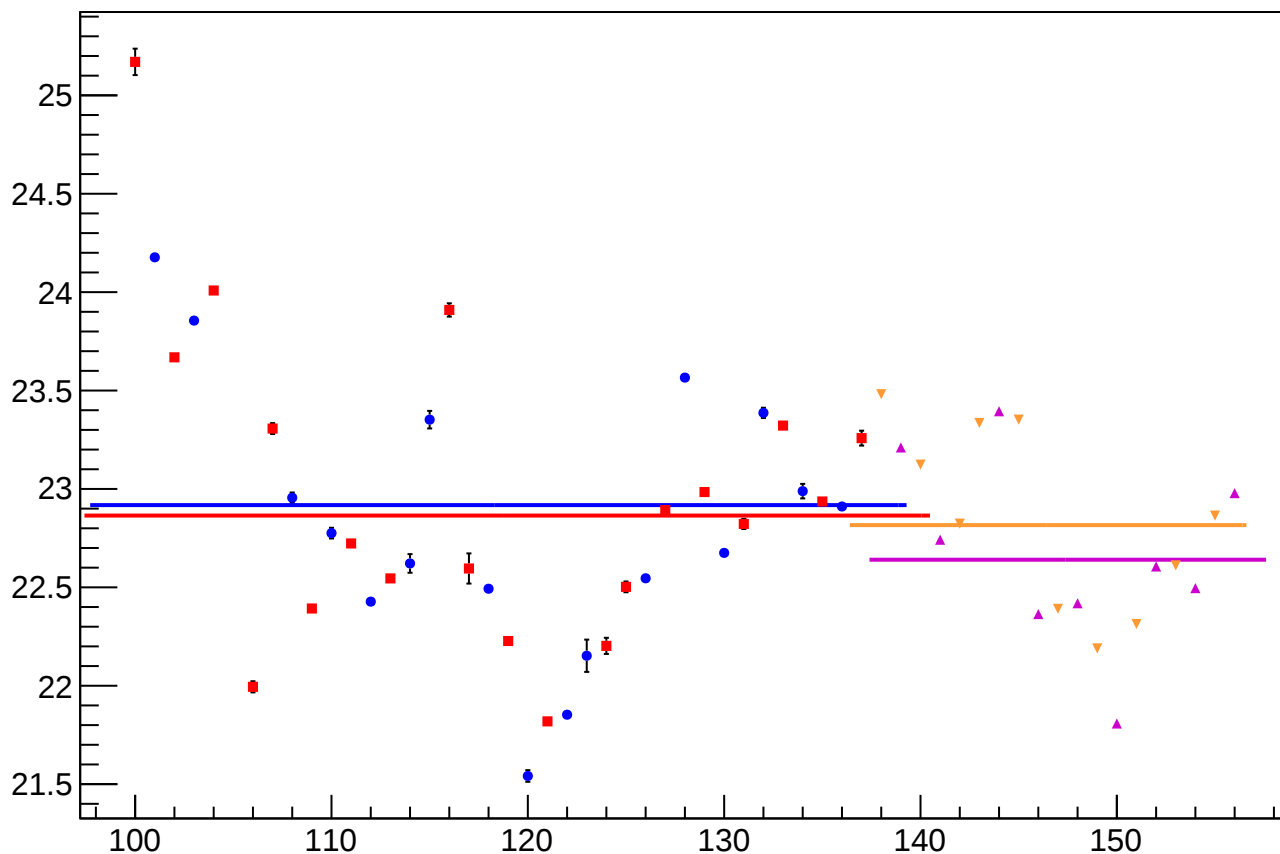
Right Out: -19.145 ± 8.529 χ^2/NDF : 14.9/19

Left In: -3.451 ± 8.339 χ^2/NDF : 12.3/8

11.088 ± 6.103 χ^2/NDF : 35.1/26

-11.121 ± 5.963 χ^2/NDF : 28.9/28

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: 22.816+/-0.006 χ^2/NDF : 5726.2/9

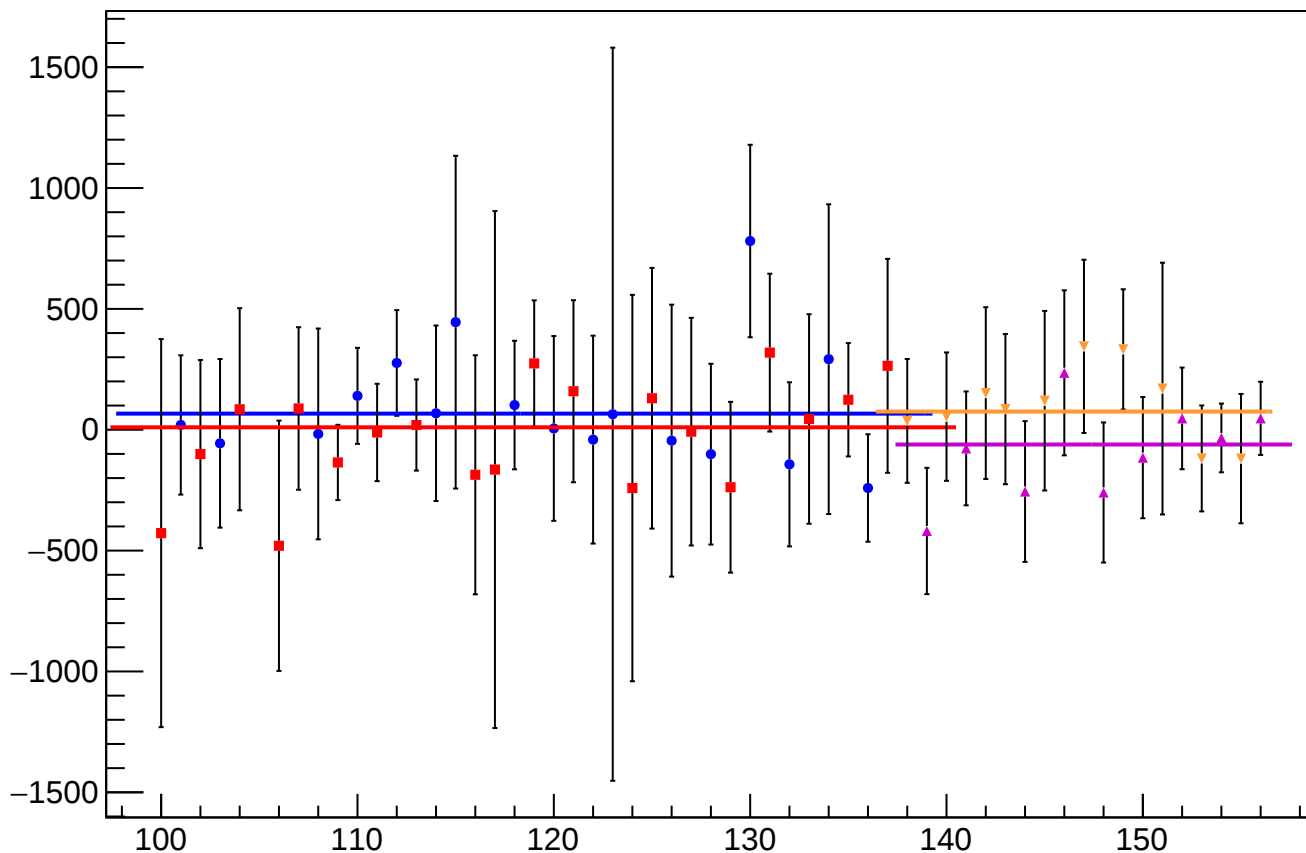
Right Out: 22.865+/-0.006 χ^2/NDF : 11064.9/19

Left In: 22.640+/-0.006 χ^2/NDF : 6031.8/8

22.864+/-0.004 χ^2/NDF : 17336.7/26

22.750+/-0.004 χ^2/NDF : 17804.3/28

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: 75.218 $\pm$ 92.304 χ^2 /NDF: 3.1/9

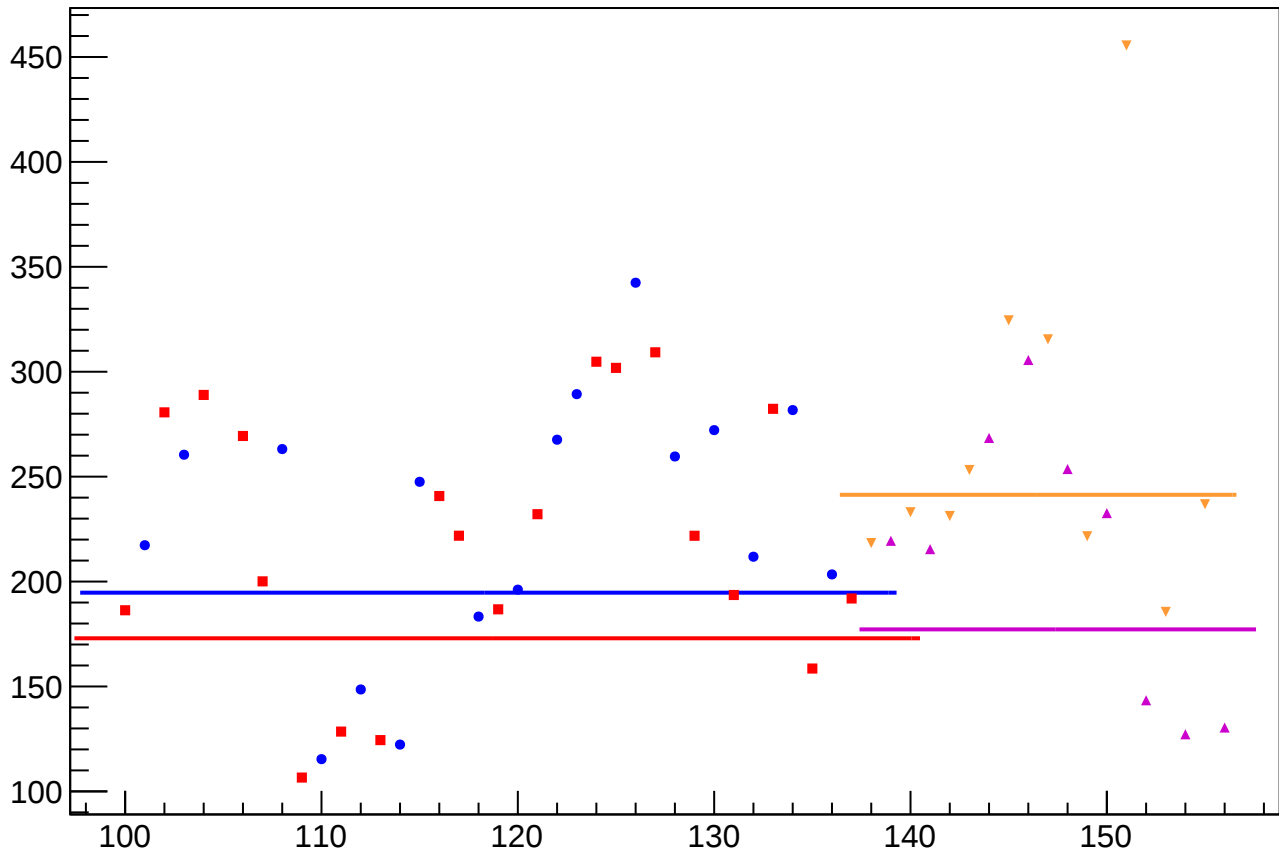
Right Out: 10.113 $\pm$ 70.234 χ^2 /NDF: 5.7/19

Left In: -61.083 $\pm$ 71.322 χ^2 /NDF: 4.4/8

70.354 $\pm$ 60.452 χ^2 /NDF: 10.6/26

-24.938 $\pm$ 50.043 χ^2 /NDF: 10.6/28

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.703+/-0.057 χ^2/NDF : 1019872.4/16

Left Out: 241.349+/-0.065 χ^2/NDF :689435.5/9

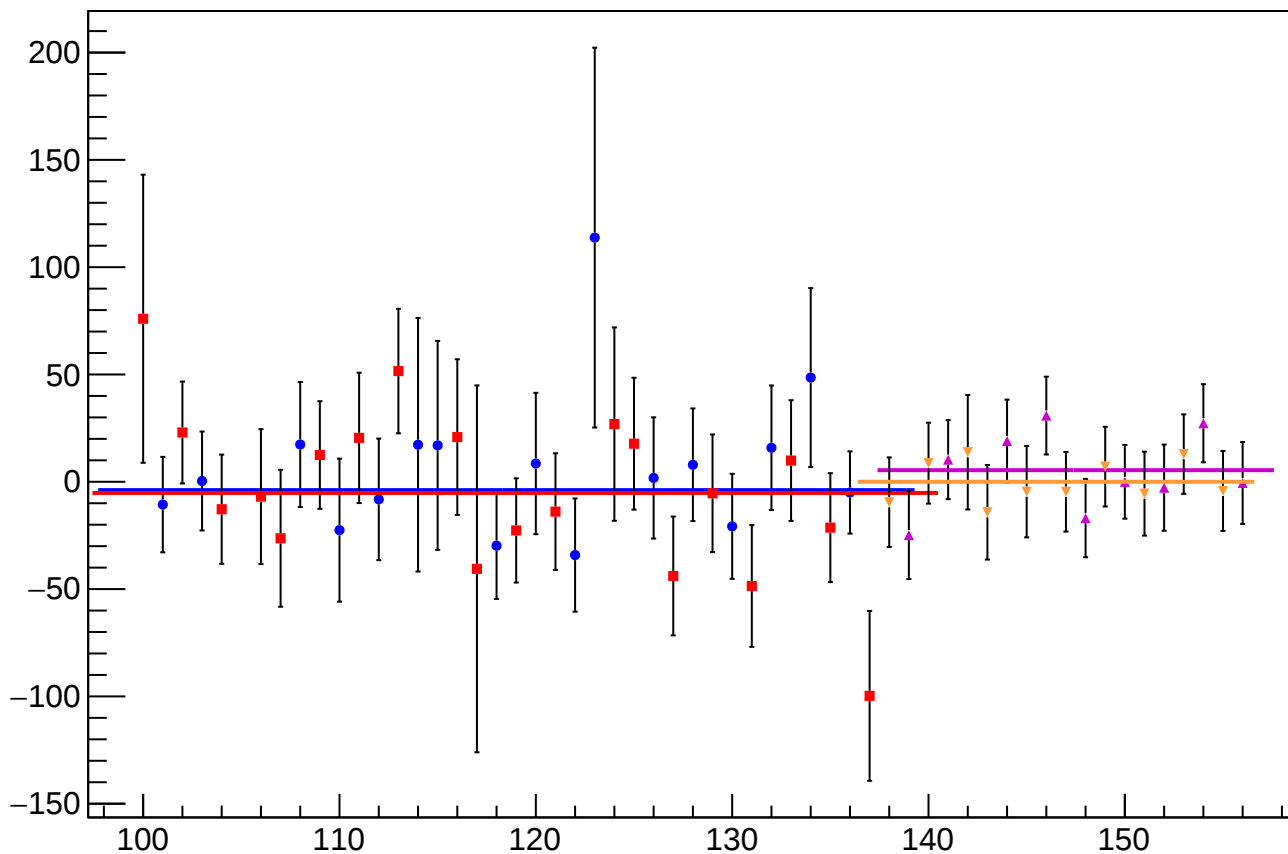
214.710+/-0.043 χ^2/NDF : 2000992.8/26

Right Out: 172.965+/-0.050 χ^2/NDF : 1601142.0/19

175.052+/-0.035 χ^2/NDF : 2915559.3/28

Left In: 177.205+/-0.050 χ^2/NDF :1310829.4/8

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 0.013 ± 6.325 χ^2/NDF : 2.0/9

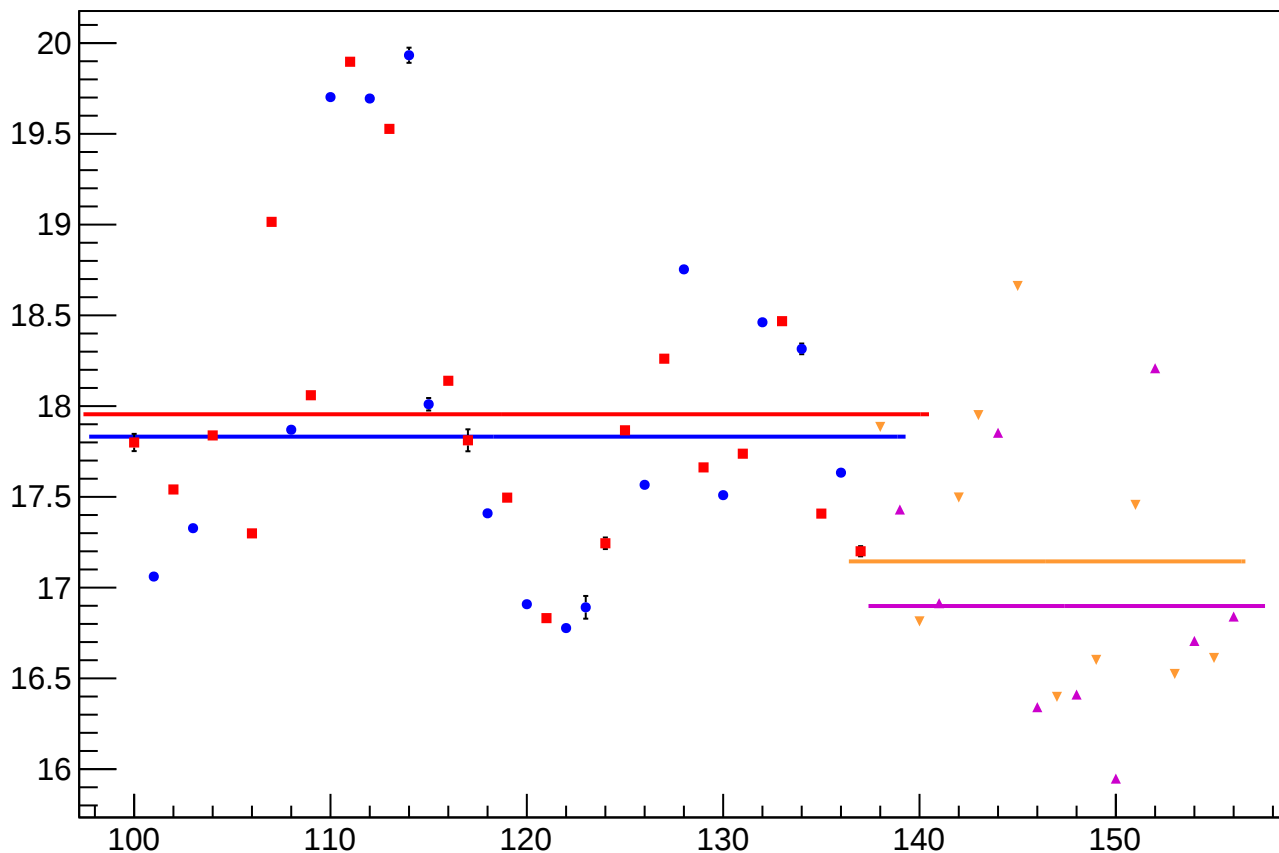
Right Out: -5.204 ± 6.706 χ^2/NDF : 21.5/19

Left In: 5.415 ± 6.237 χ^2/NDF : 8.0/8

-1.767 ± 4.667 χ^2/NDF : 10.5/26

0.489 ± 4.567 χ^2/NDF : 30.9/28

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: 17.144 $\pm$ 0.004 χ^2 /NDF: 25636.9/9

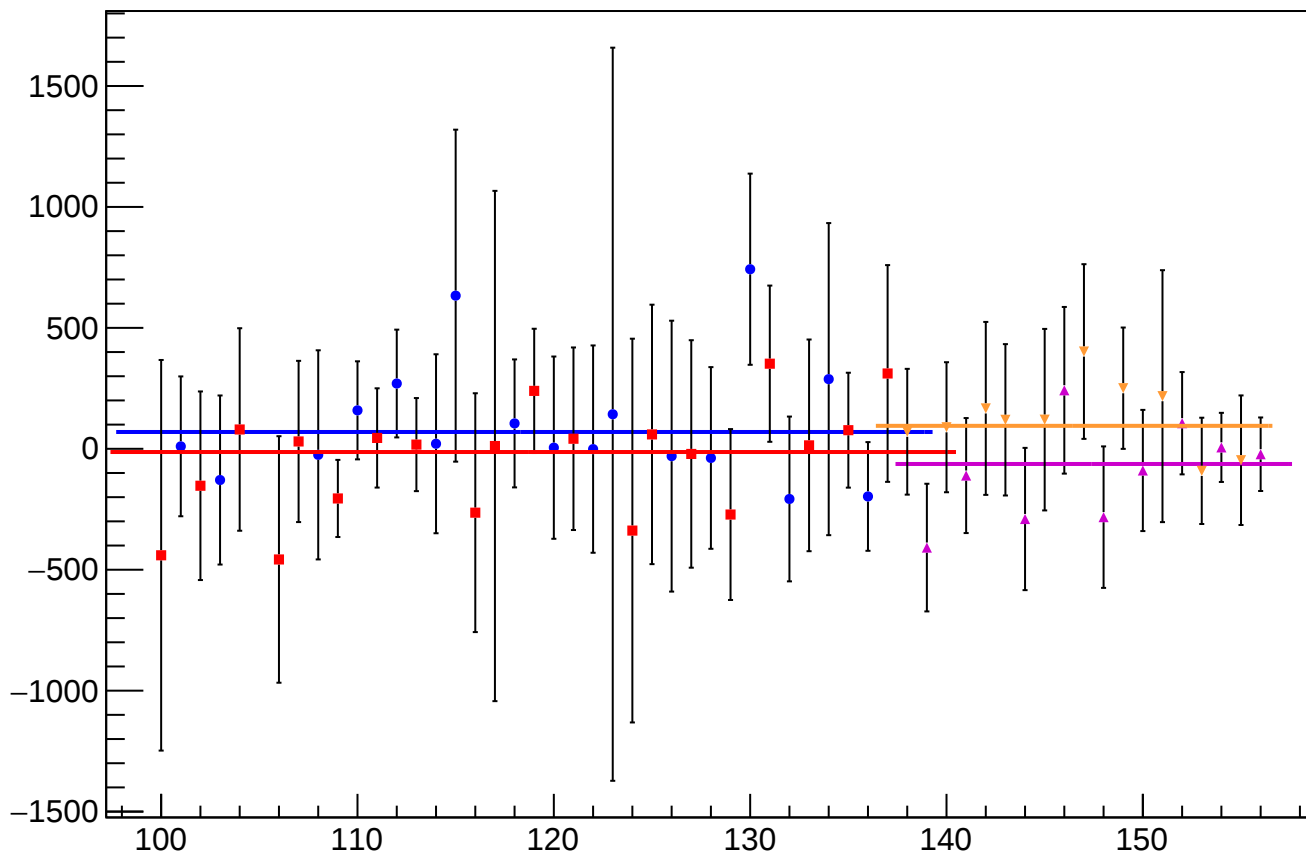
Right Out: 17.955 $\pm$ 0.005 χ^2 /NDF: 25454.6/19

Left In: 16.899 $\pm$ 0.004 χ^2 /NDF: 24450.8/8

17.458 $\pm$ 0.003 χ^2 /NDF: 67256.9/26

17.389 $\pm$ 0.003 χ^2 /NDF: 76516.2/28

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511+/-80.550 χ^2/NDF : 7.4/16

Left Out: 94.968+/-92.982 χ^2/NDF : 2.2/9

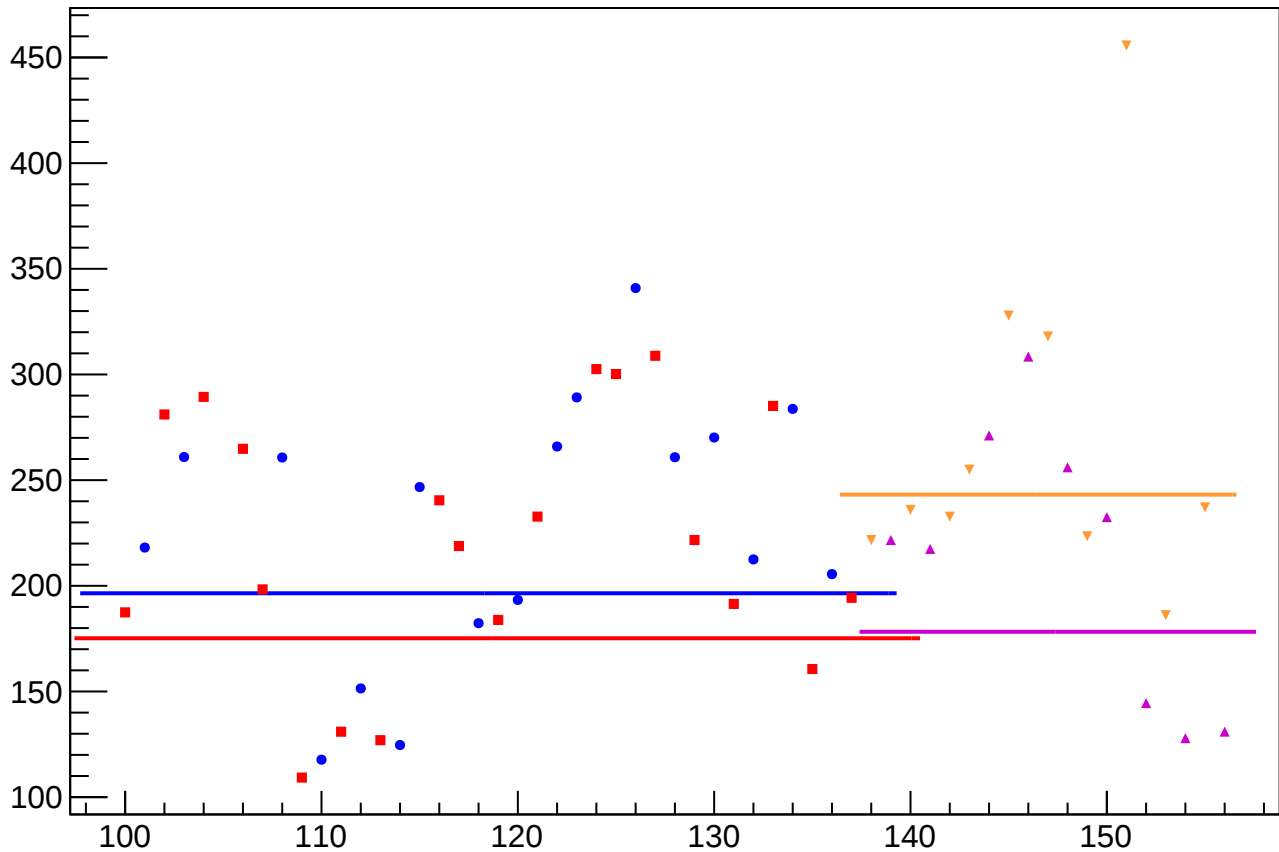
Right Out: -13.298+/-70.881 χ^2/NDF : 6.7/19

Left In: -62.773+/-71.747 χ^2/NDF : 4.6/8

80.425+/-60.882 χ^2/NDF : 9.6/26

-37.735+/-50.424 χ^2/NDF : 11.6/28

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: 243.159+/-0.066 χ^2/NDF : 688551.3/9

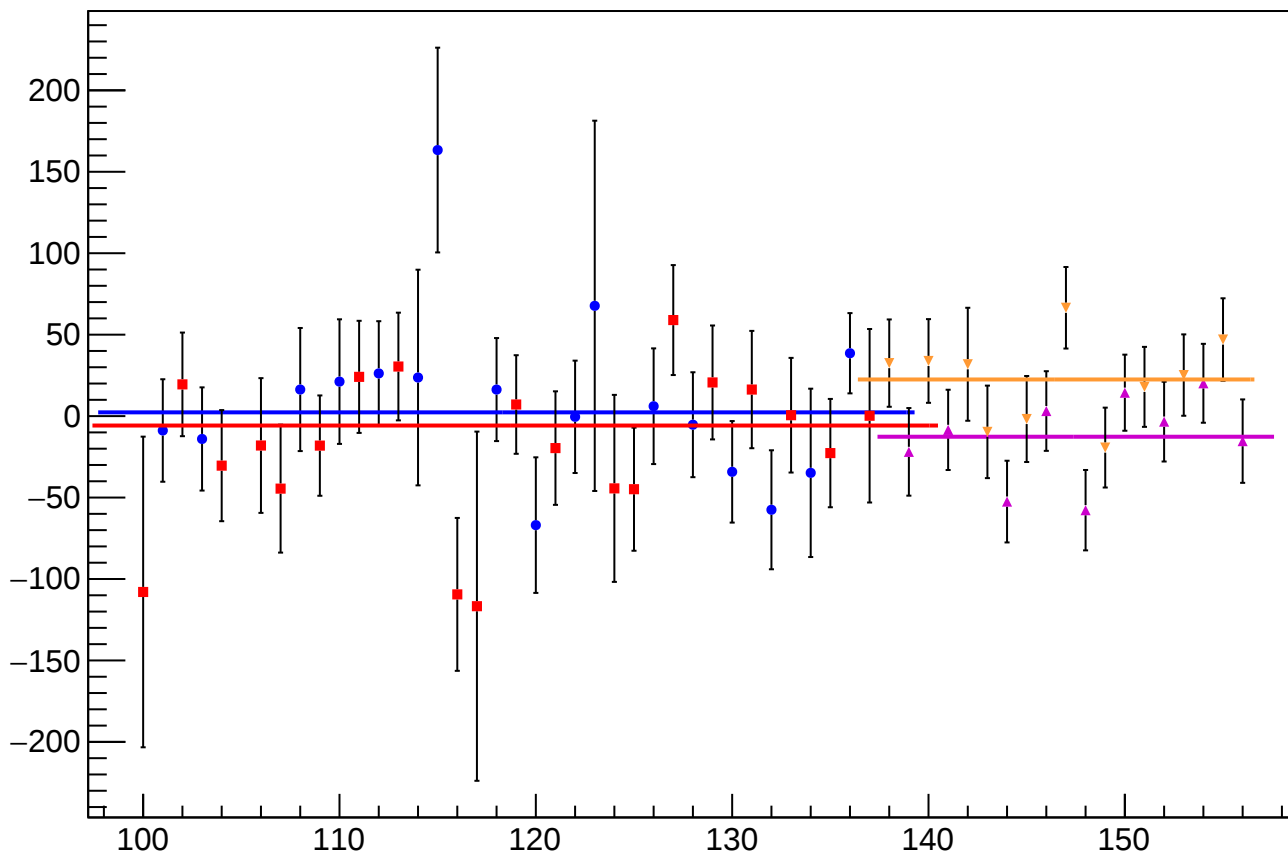
216.487+/-0.043 χ^2/NDF : 1940903.0/26

Right Out: 175.179+/-0.050 χ^2/NDF : 1514541.6/19

176.698+/-0.036 χ^2/NDF : 2837616.1/28

Left In: 178.255+/-0.051 χ^2/NDF : 1321214.3/8

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: 22.493 ± 8.306 $\chi^2/\text{NDF}: 9.5/9$

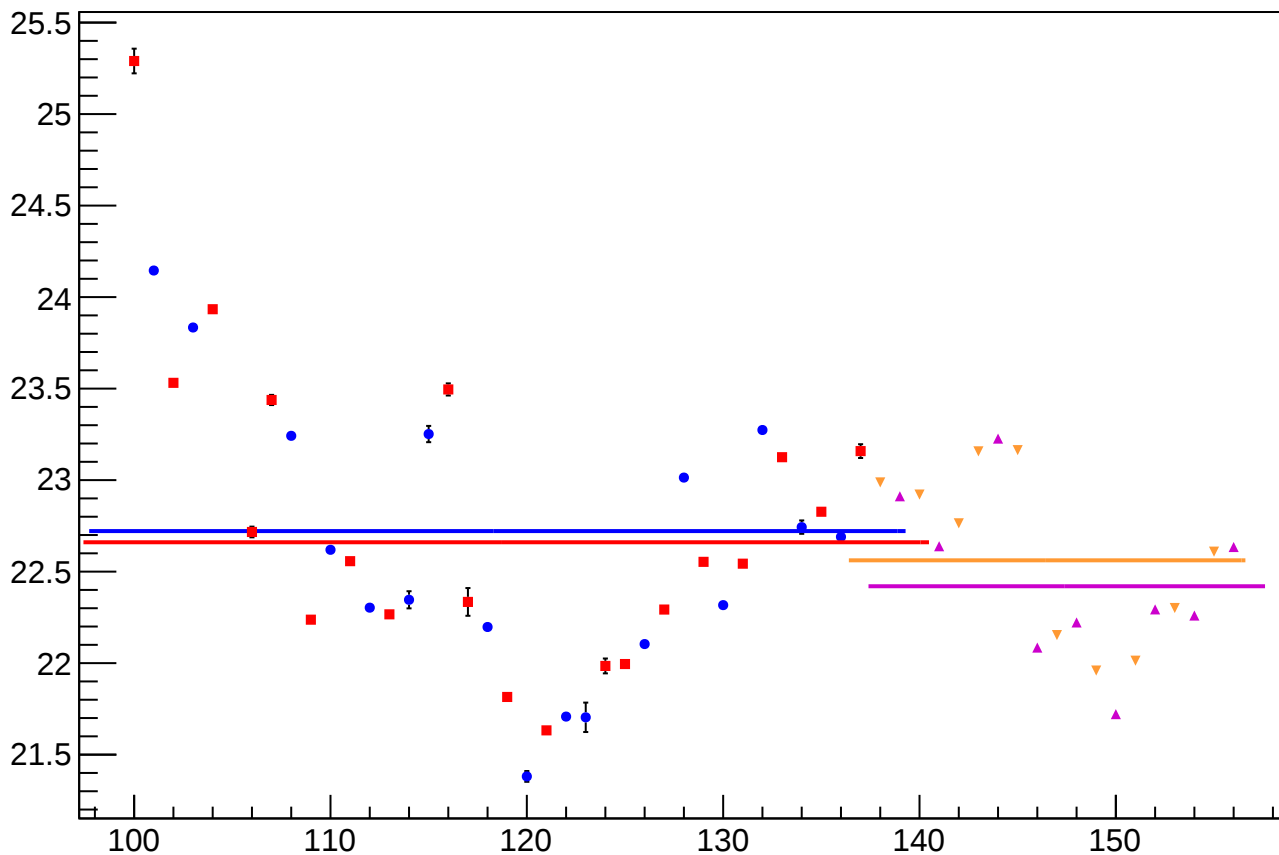
Right Out: -5.783 ± 8.453 $\chi^2/\text{NDF}: 18.2/19$

Left In: -12.660 ± 8.257 $\chi^2/\text{NDF}: 9.8/8$

12.988 ± 6.042 $\chi^2/\text{NDF}: 30.4/26$

-9.302 ± 5.907 $\chi^2/\text{NDF}: 28.3/28$

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: 22.562+/-0.006 χ^2/NDF : 5844.1/9

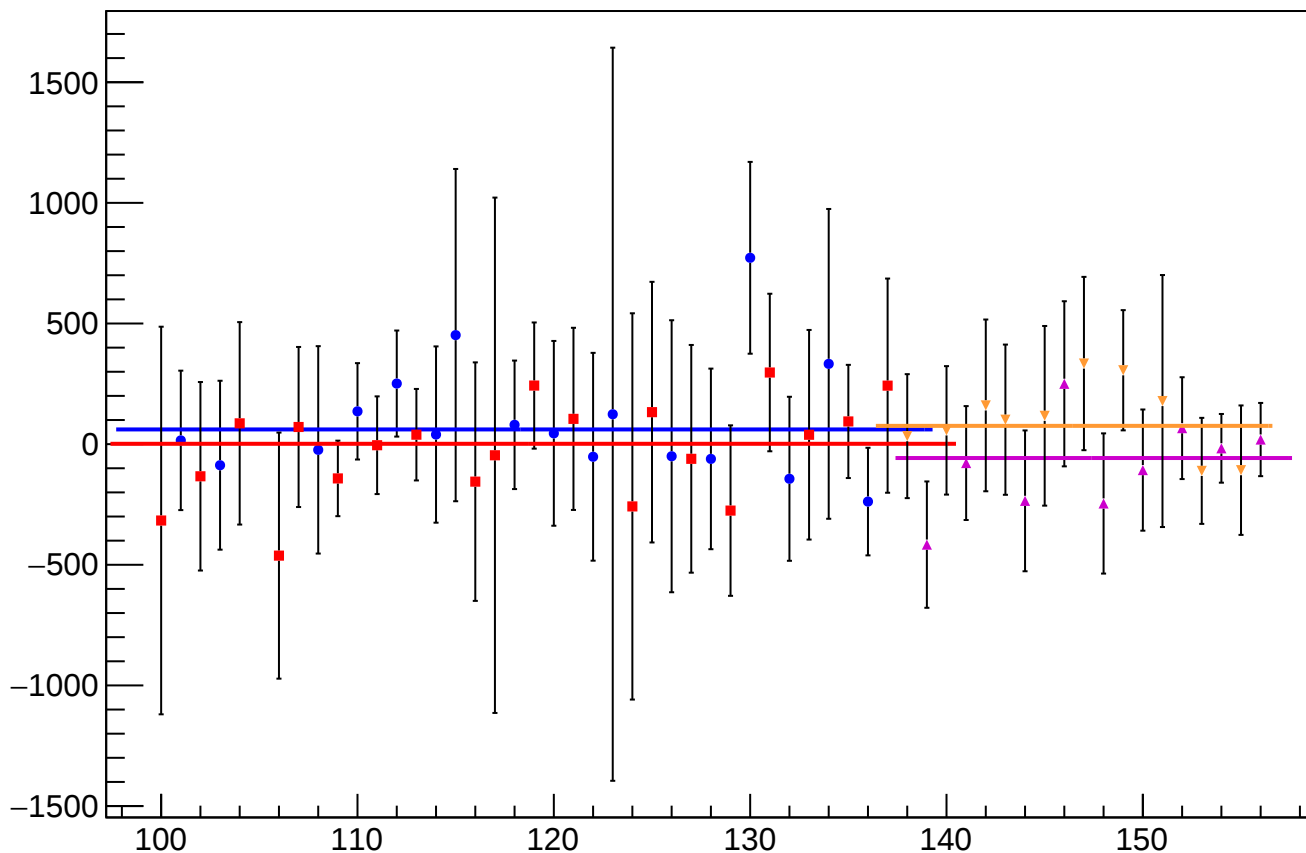
Right Out: 22.660+/-0.006 χ^2/NDF : 12974.2/19

Left In: 22.420+/-0.006 χ^2/NDF : 5470.7/8

22.637+/-0.004 χ^2/NDF : 19773.2/26

22.537+/-0.004 χ^2/NDF : 19272.0/28

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.960+/-80.197 χ^2/NDF : 7.2/16

Left Out: 75.781+/-92.517 χ^2/NDF : 2.7/9

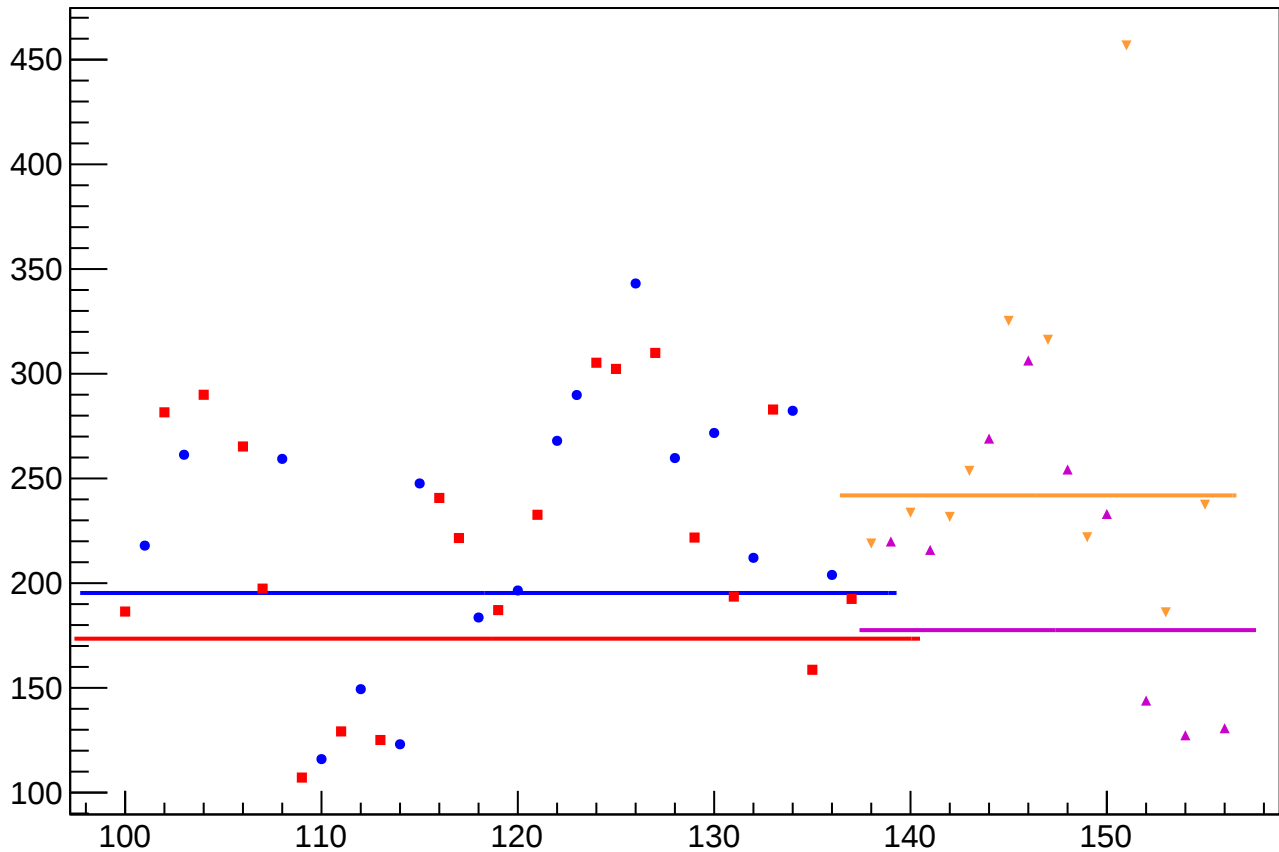
Right Out: 1.439+/-70.395 χ^2/NDF : 5.2/19

Left In: -57.541+/-71.475 χ^2/NDF : 4.2/8

67.319+/-60.599 χ^2/NDF : 9.9/26

-27.602+/-50.155 χ^2/NDF : 9.7/28

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.316 $\pm$ 0.057 χ^2 /NDF: 1004211.5/16

Left Out: 241.906 $\pm$ 0.065 χ^2 /NDF:689528.6/9

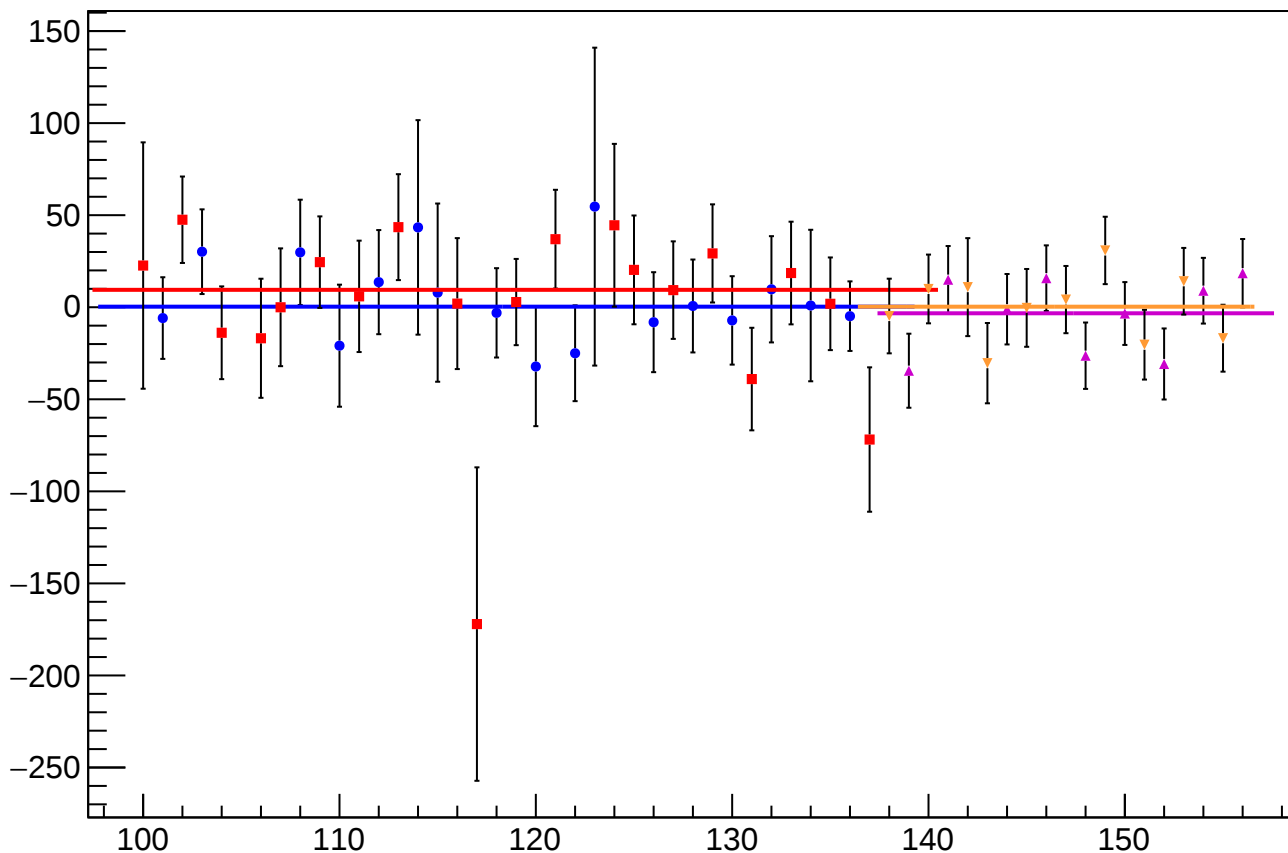
Right Out: 173.495 $\pm$ 0.050 χ^2 /NDF: 1582449.6/19

Left In: 177.580 $\pm$ 0.051 χ^2 /NDF:1311594.8/8

215.304 $\pm$ 0.043 χ^2 /NDF: 1983331.3/26

175.506 $\pm$ 0.035 χ^2 /NDF: 2897360.5/28

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.305 ± 6.812 $\chi^2/\text{NDF}: 6.8/16$

Left Out: 0.296 ± 6.213 $\chi^2/\text{NDF}: 8.0/9$

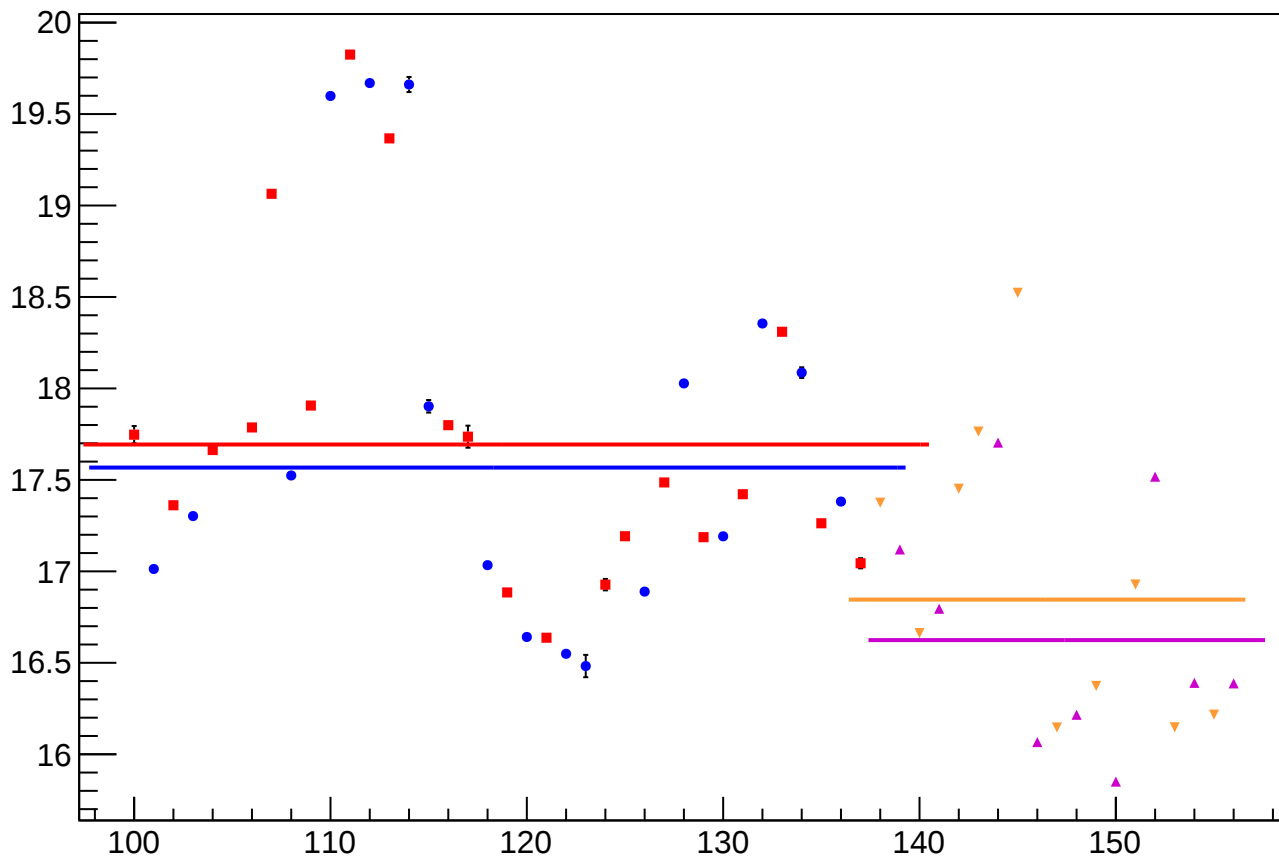
Right Out: 9.452 ± 6.608 $\chi^2/\text{NDF}: 20.6/19$

Left In: -3.288 ± 6.133 $\chi^2/\text{NDF}: 10.1/8$

0.300 ± 4.591 $\chi^2/\text{NDF}: 14.7/26$

2.607 ± 4.495 $\chi^2/\text{NDF}: 32.7/28$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567 $\pm$ 0.005 χ^2 /NDF: 33145.0/16

Left Out: 16.845 $\pm$ 0.004 χ^2 /NDF:28413.3/9

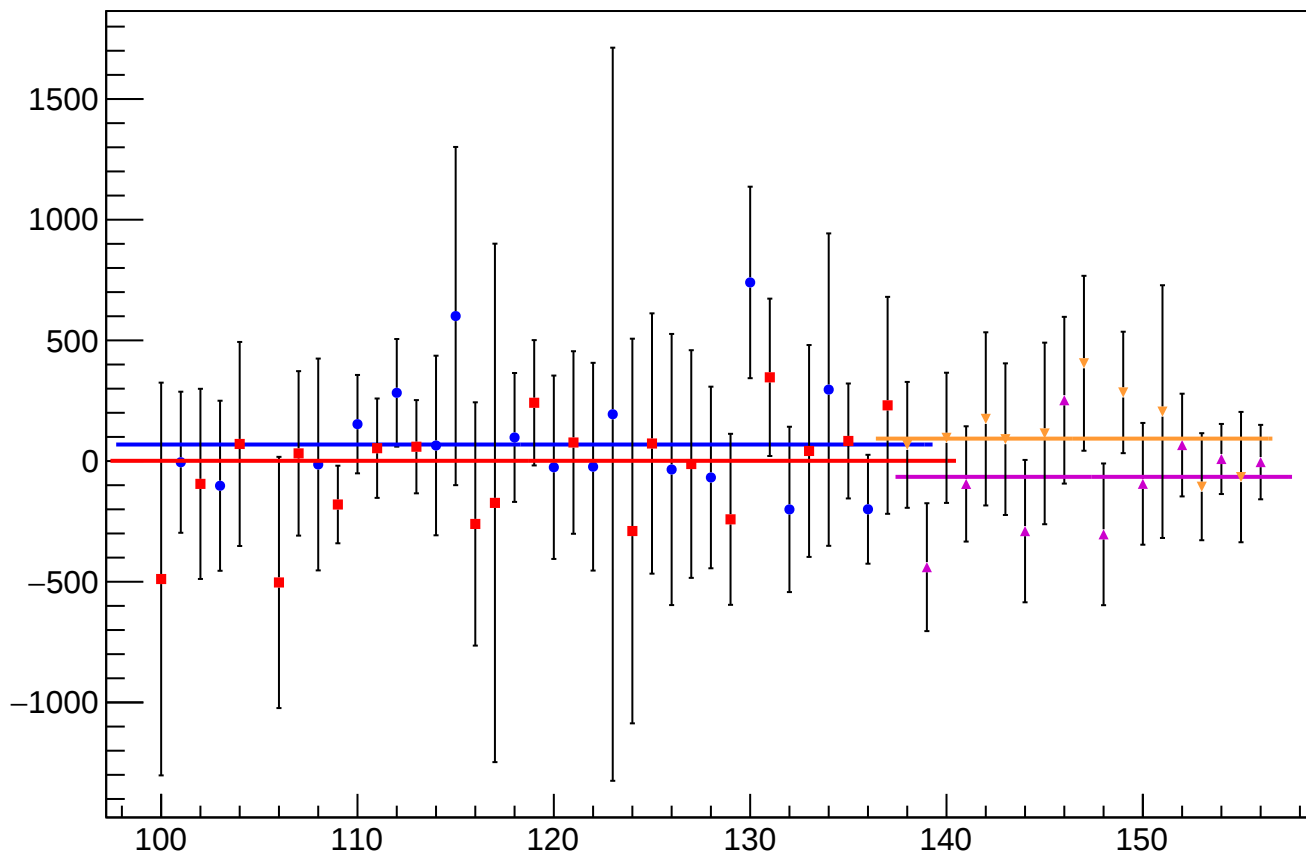
Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.6/19

Left In: 16.624 $\pm$ 0.004 χ^2 /NDF:19810.1/8

17.173 $\pm$ 0.003 χ^2 /NDF: 73819.9/26

17.119 $\pm$ 0.003 χ^2 /NDF: 78714.3/28

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.553+/-81.018 χ^2/NDF : 7.3/16

Left Out: 93.020+/-93.439 χ^2/NDF : 2.6/9

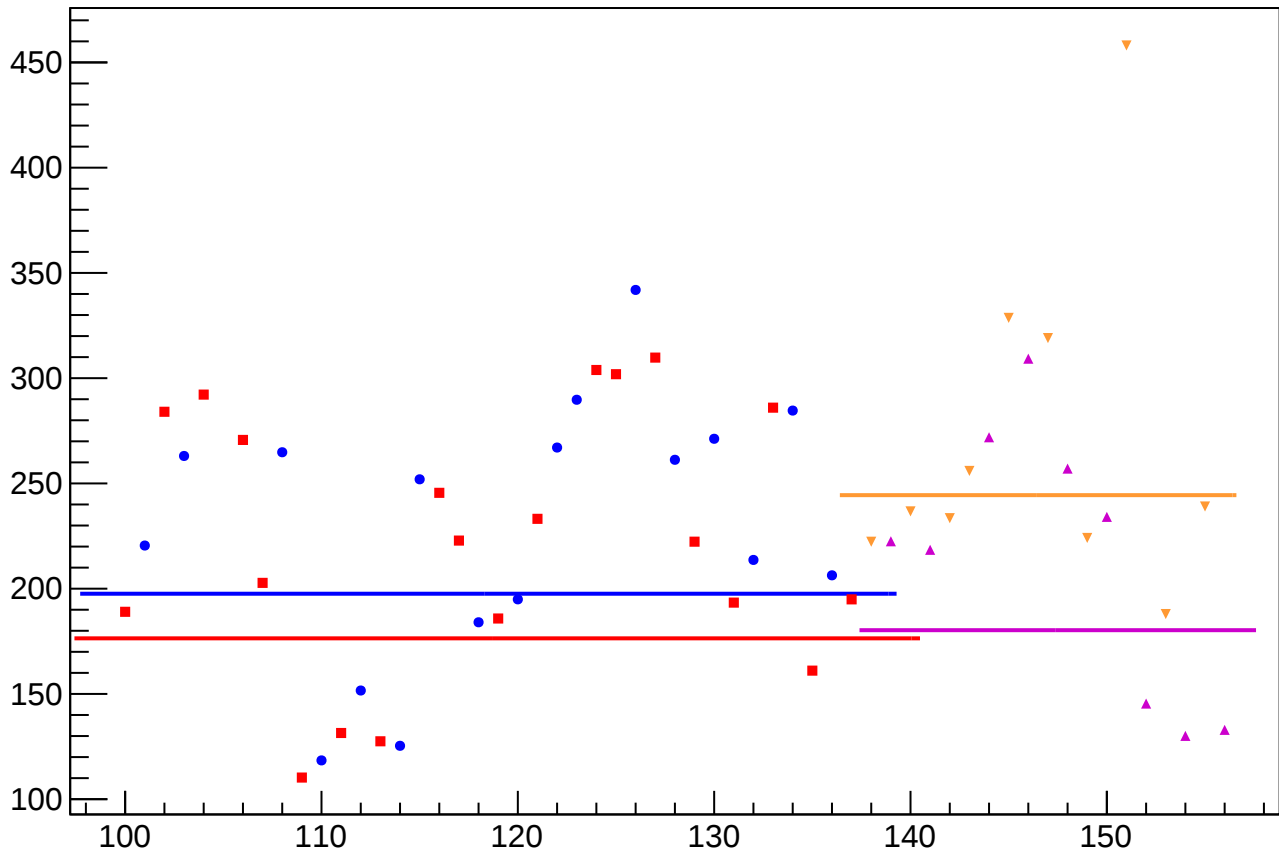
Right Out: 1.057+/-71.380 χ^2/NDF : 6.1/19

Left In: -65.368+/-72.441 χ^2/NDF : 4.9/8

79.054+/-61.212 χ^2/NDF : 9.9/26

-31.665+/-50.844 χ^2/NDF : 11.5/28

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.603+/-0.057 χ^2/NDF : 968827.8/16

Left Out: 244.431+/-0.066 χ^2/NDF : 682209.1/9

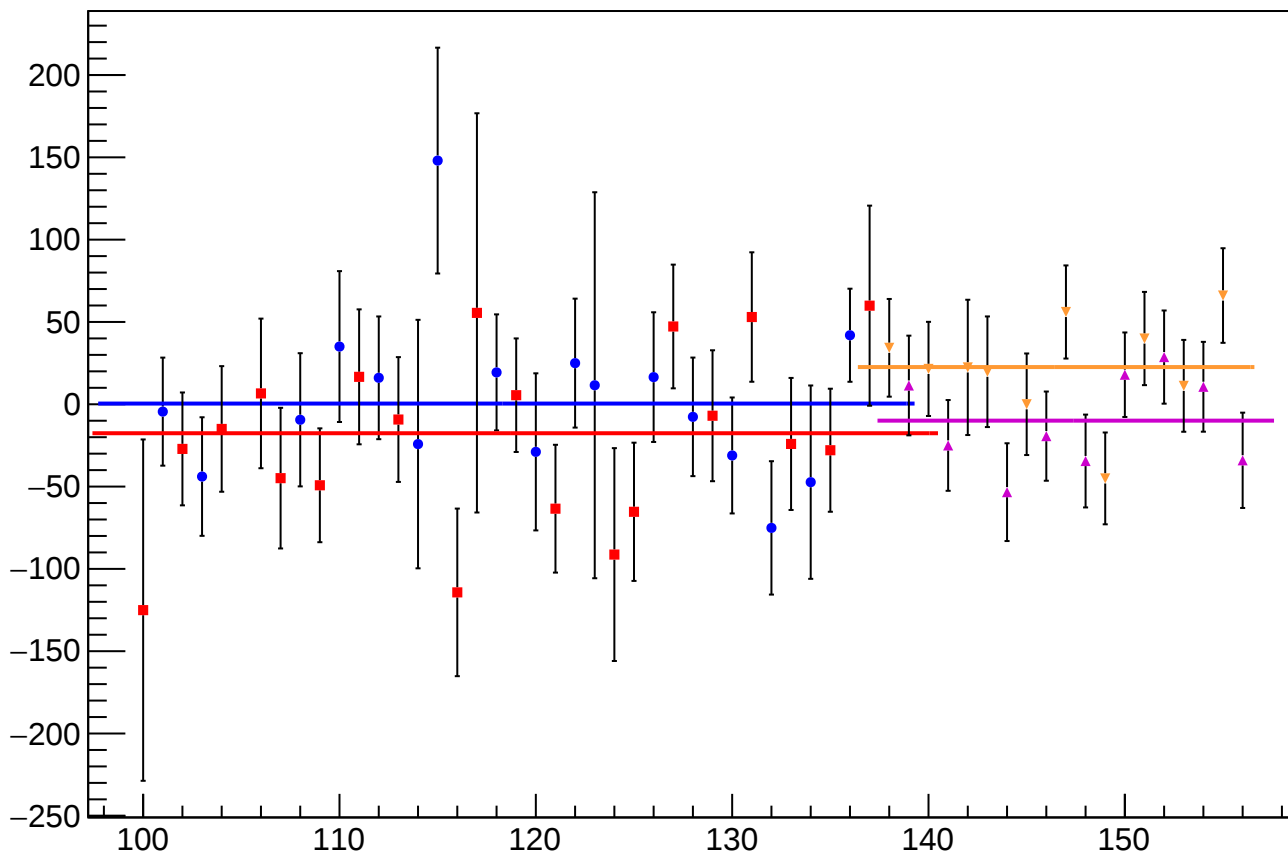
217.700+/-0.043 χ^2/NDF : 1937774.5/26

Right Out: 176.407+/-0.050 χ^2/NDF : 1523589.5/19

178.317+/-0.036 χ^2/NDF : 2809663.6/28

Left In: 180.284+/-0.051 χ^2/NDF : 1283168.6/8

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 $\pm$ 9.884 χ^2/NDF : 15.5/16

Left Out: 22.599 $\pm$ 9.464 χ^2/NDF : 10.8/9

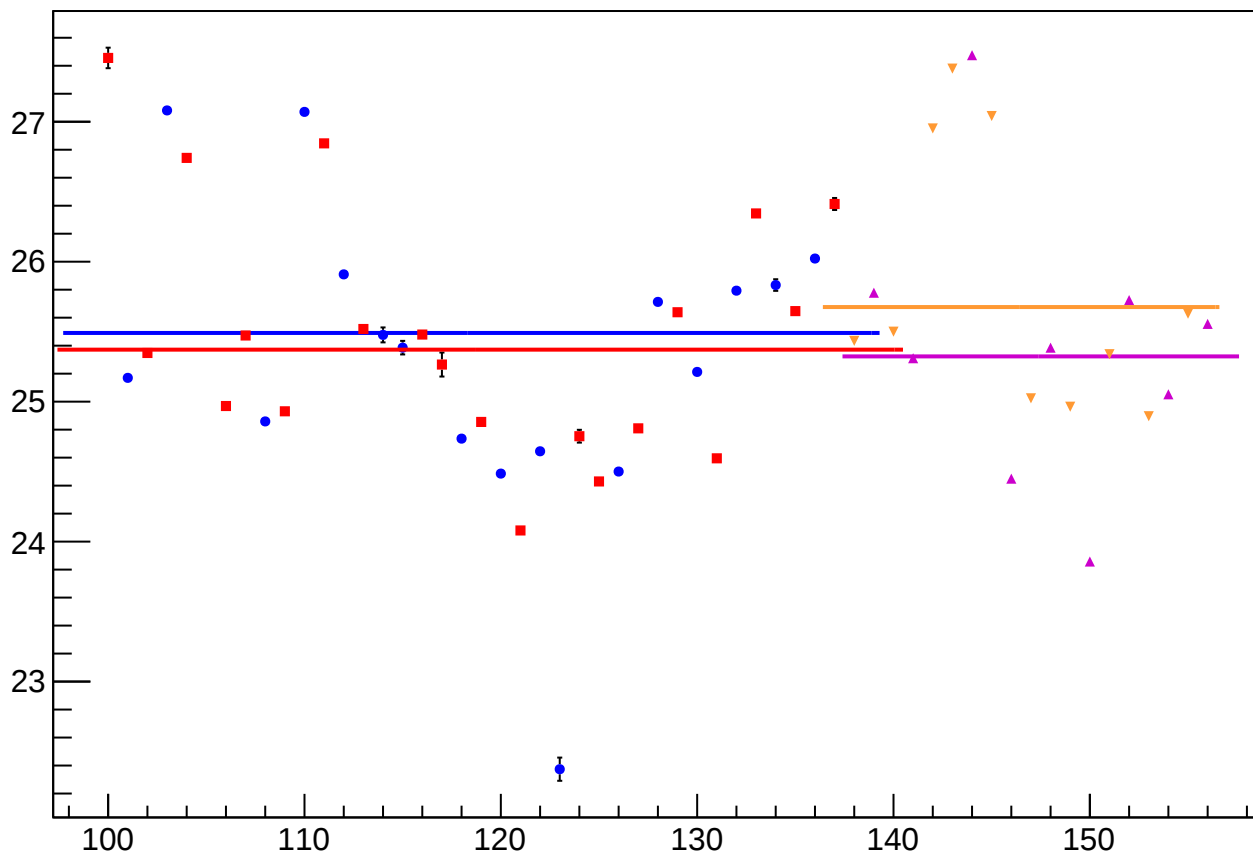
Right Out: -17.595 $\pm$ 9.470 χ^2/NDF : 19.8/19

Left In: -9.948 $\pm$ 9.340 χ^2/NDF : 8.1/8

11.994 $\pm$ 6.836 χ^2/NDF : 28.9/26

-13.719 $\pm$ 6.650 χ^2/NDF : 28.3/28

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.491 ± 0.007 χ^2/NDF : 13713.0/16

Left Out: 25.676 ± 0.007 χ^2/NDF : 15413.3/9

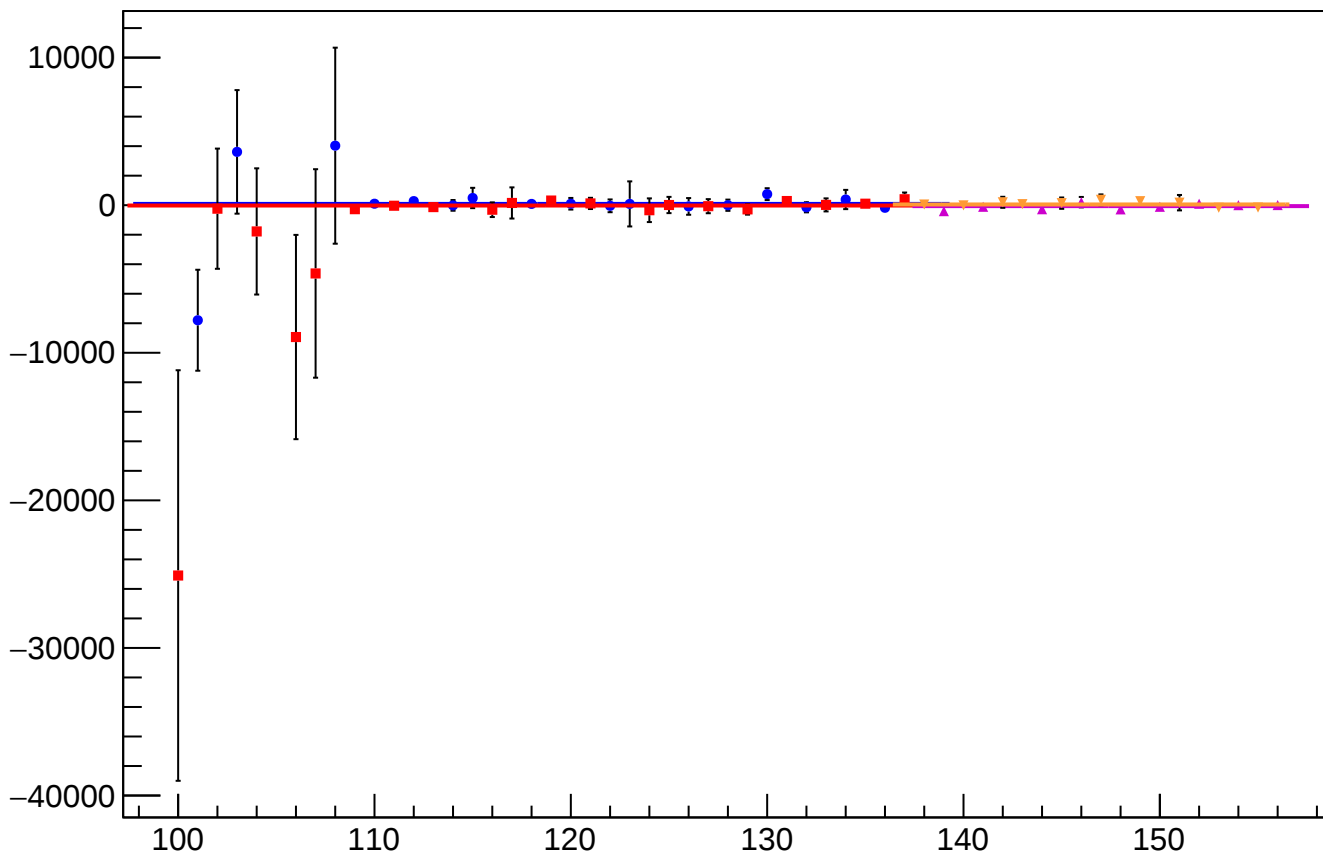
Right Out: 25.372 ± 0.007 χ^2/NDF : 13552.0/19

Left In: 25.323 ± 0.007 χ^2/NDF : 20295.3/8

25.587 ± 0.005 χ^2/NDF : 29491.8/26

25.347 ± 0.005 χ^2/NDF : 33873.6/28

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: 49.555+/-95.132 χ^2/NDF : 3.3/9

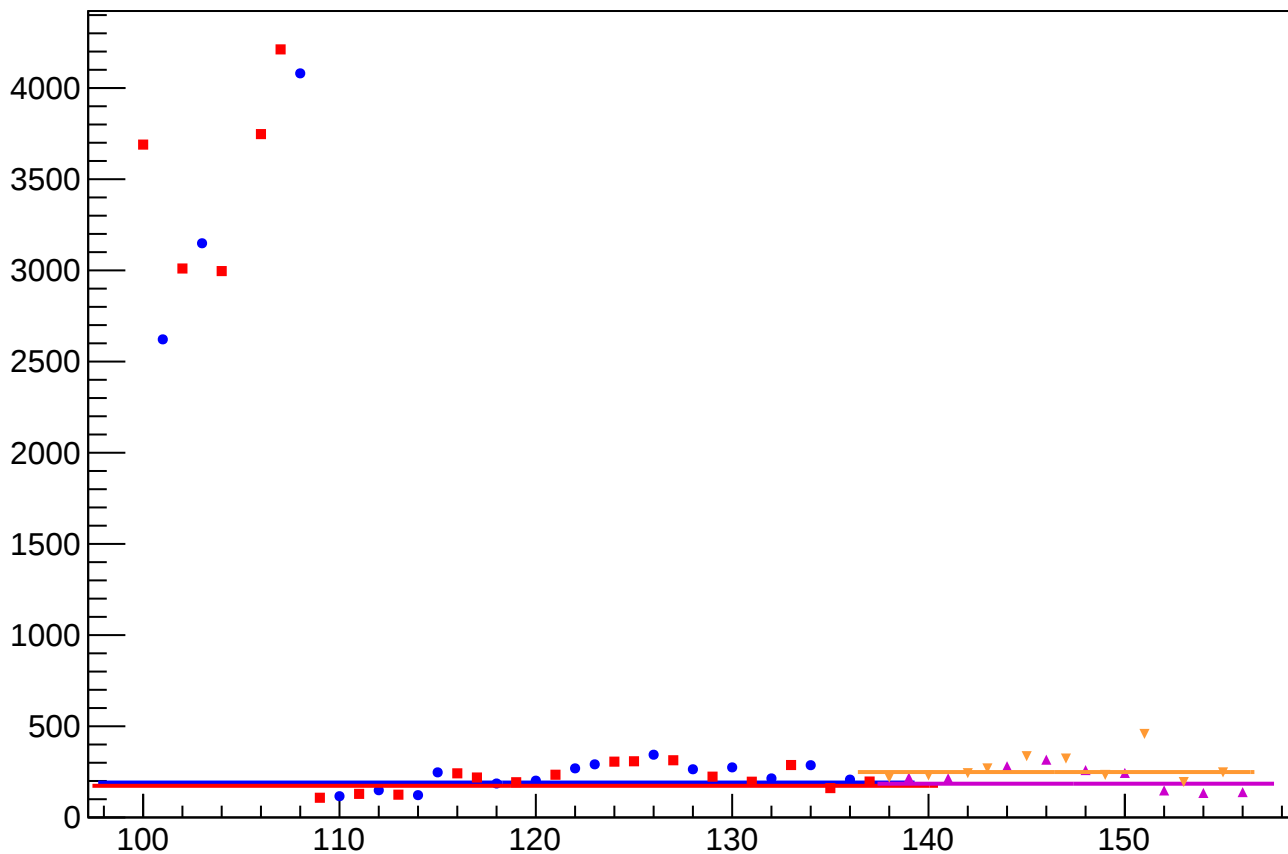
Right Out: -22.332+/-80.711 χ^2/NDF : 11.9/19

Left In: -62.770+/-74.133 χ^2/NDF : 4.4/8

69.407+/-64.767 χ^2/NDF : 15.8/26

-44.266+/-54.598 χ^2/NDF : 16.4/28

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: 249.032+/-0.067 χ^2/NDF : 672813.9/9

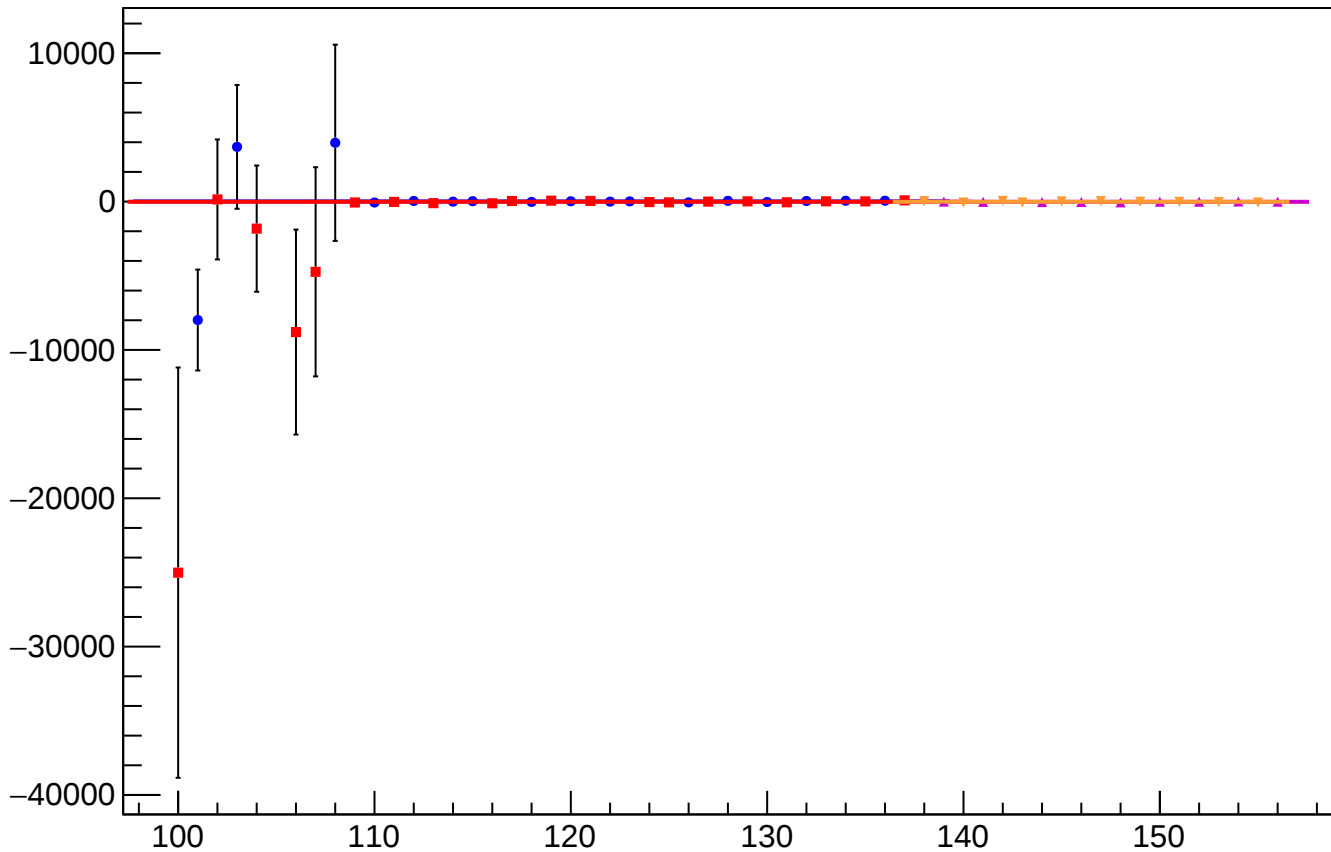
Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

Left In: 185.066+/-0.052 χ^2/NDF : 1218850.4/8

218.154+/-0.046 χ^2/NDF : 4638693.7/26

179.803+/-0.039 χ^2/NDF : 5452040.0/28

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.286+/-12.282 χ^2/NDF : 18.4/16

Left Out: -14.869+/-11.076 χ^2/NDF : 10.6/9

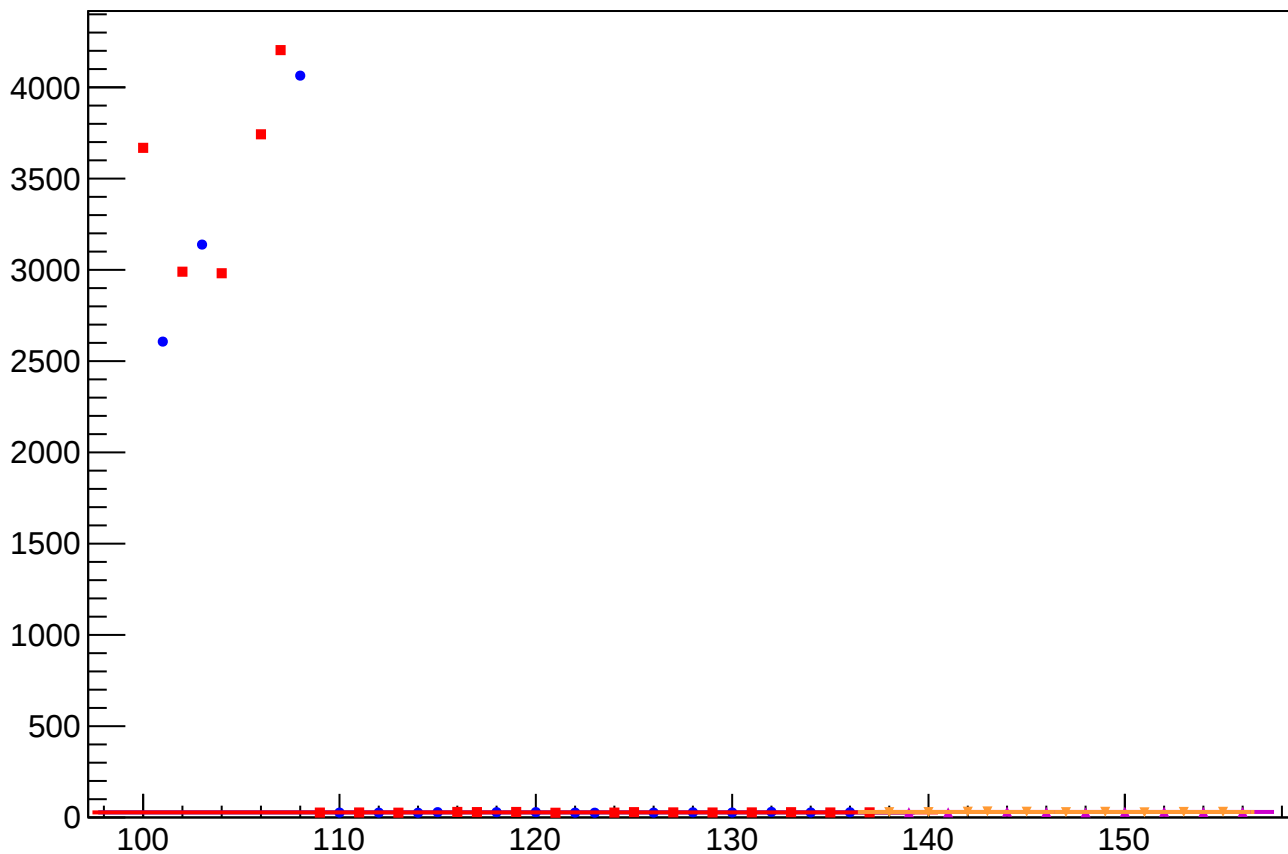
Right Out: -12.296+/-12.186 χ^2/NDF : 24.9/19

Left In: -16.329+/-11.141 χ^2/NDF : 2.6/8

-3.588+/-8.225 χ^2/NDF : 31.3/26

-14.493+/-8.223 χ^2/NDF : 27.5/28

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 30.001+/-0.008 χ^2/NDF : 30582.4/9

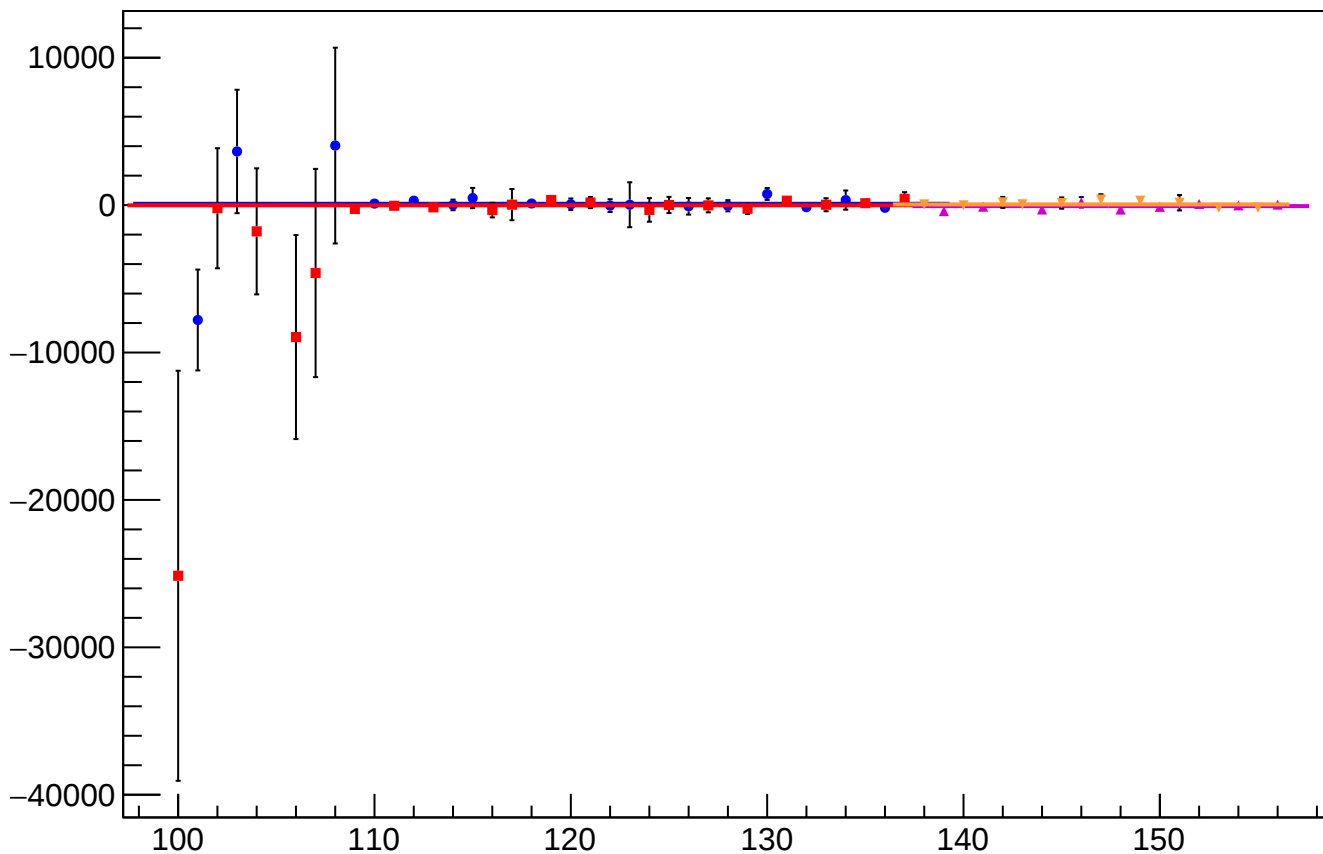
Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

Left In: 30.143+/-0.008 χ^2/NDF : 30838.6/8

29.038+/-0.006 χ^2/NDF : 3091933.7/26

29.034+/-0.006 χ^2/NDF : 3551479.3/28

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: 48.979 ± 94.918 χ^2/NDF : 3.6/9

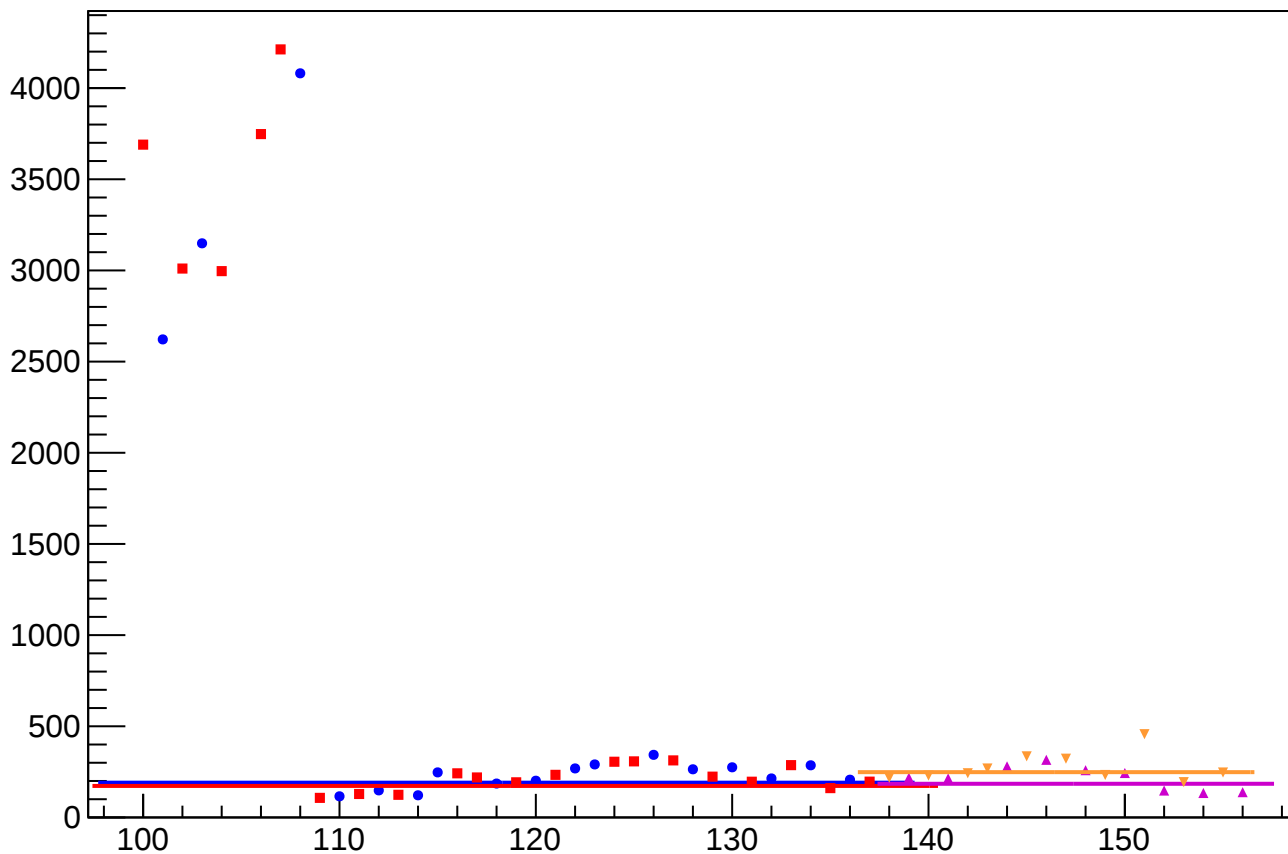
Right Out: -13.075 ± 80.452 χ^2/NDF : 12.7/19

Left In: -66.580 ± 73.978 χ^2/NDF : 4.5/8

71.419 ± 64.591 χ^2/NDF : 16.5/26

-42.067 ± 54.455 χ^2/NDF : 17.4/28

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: 248.469+/-0.067 χ^2/NDF : 672893.5/9

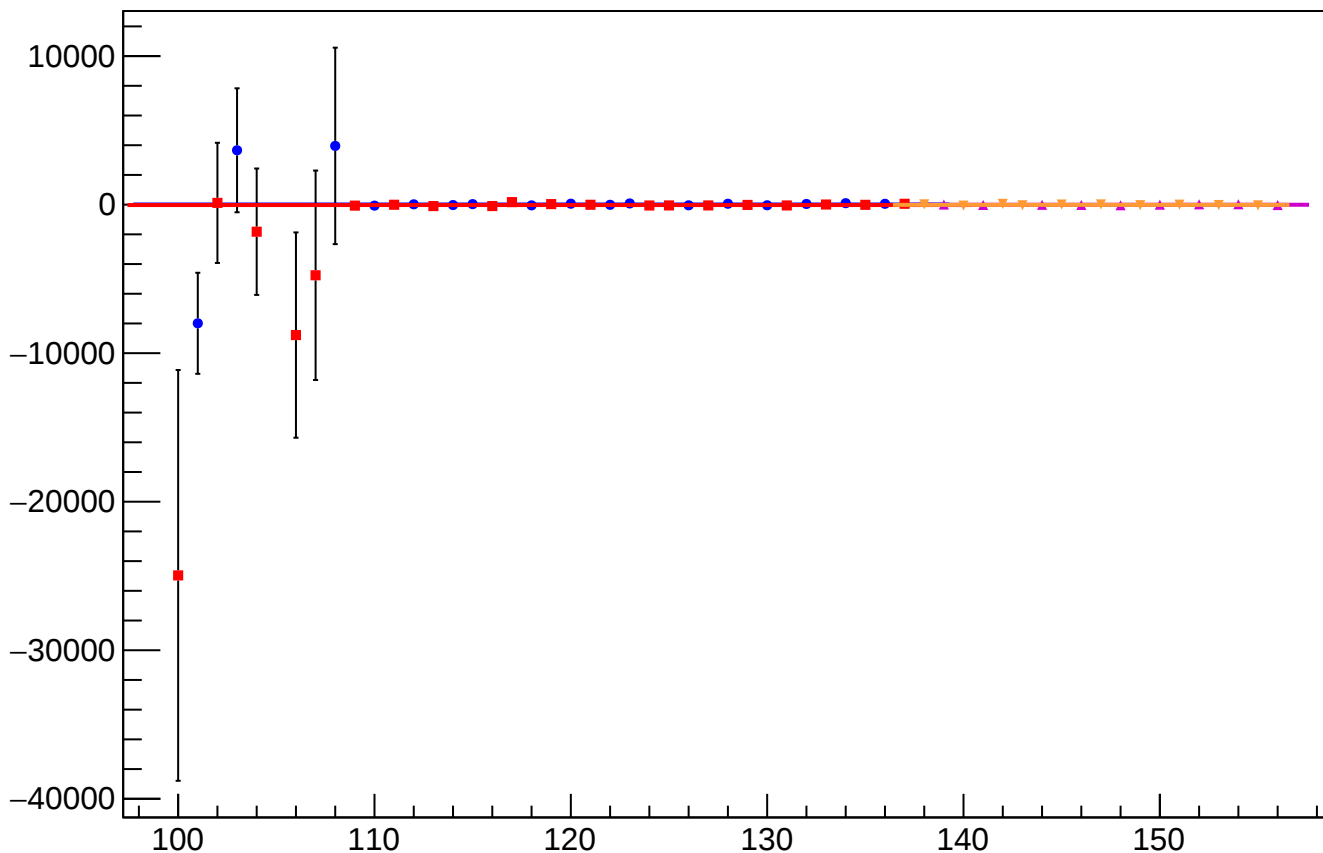
Right Out: 172.900+/-0.057 χ^2/NDF : 4222511.2/19

Left In: 184.686+/-0.052 χ^2/NDF : 1218166.9/8

217.489+/-0.046 χ^2/NDF : 4654744.6/26

179.286+/-0.039 χ^2/NDF : 5463936.4/28

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 8.600+/-12.368 χ^2 /NDF: 23.2/16

Left Out: -15.231+/-11.160 χ^2 /NDF: 8.4/9

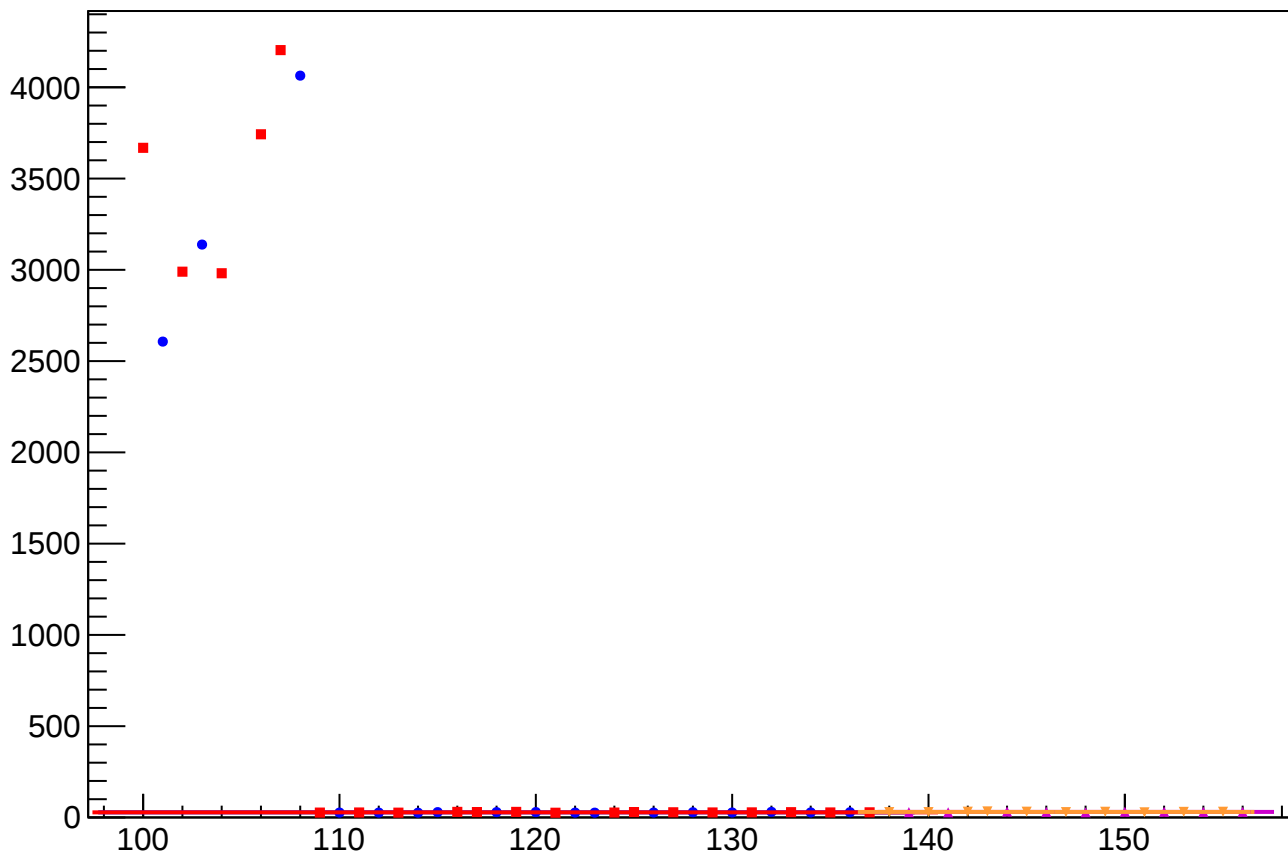
Right Out: -27.898+/-12.287 χ^2 /NDF: 18.8/19

Left In: -8.178+/-11.208 χ^2 /NDF: 3.6/8

-4.536+/-8.285 χ^2 /NDF: 33.6/26

-17.135+/-8.280 χ^2 /NDF: 23.8/28

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: 30.226+/-0.008 χ^2 /NDF:32423.9/9

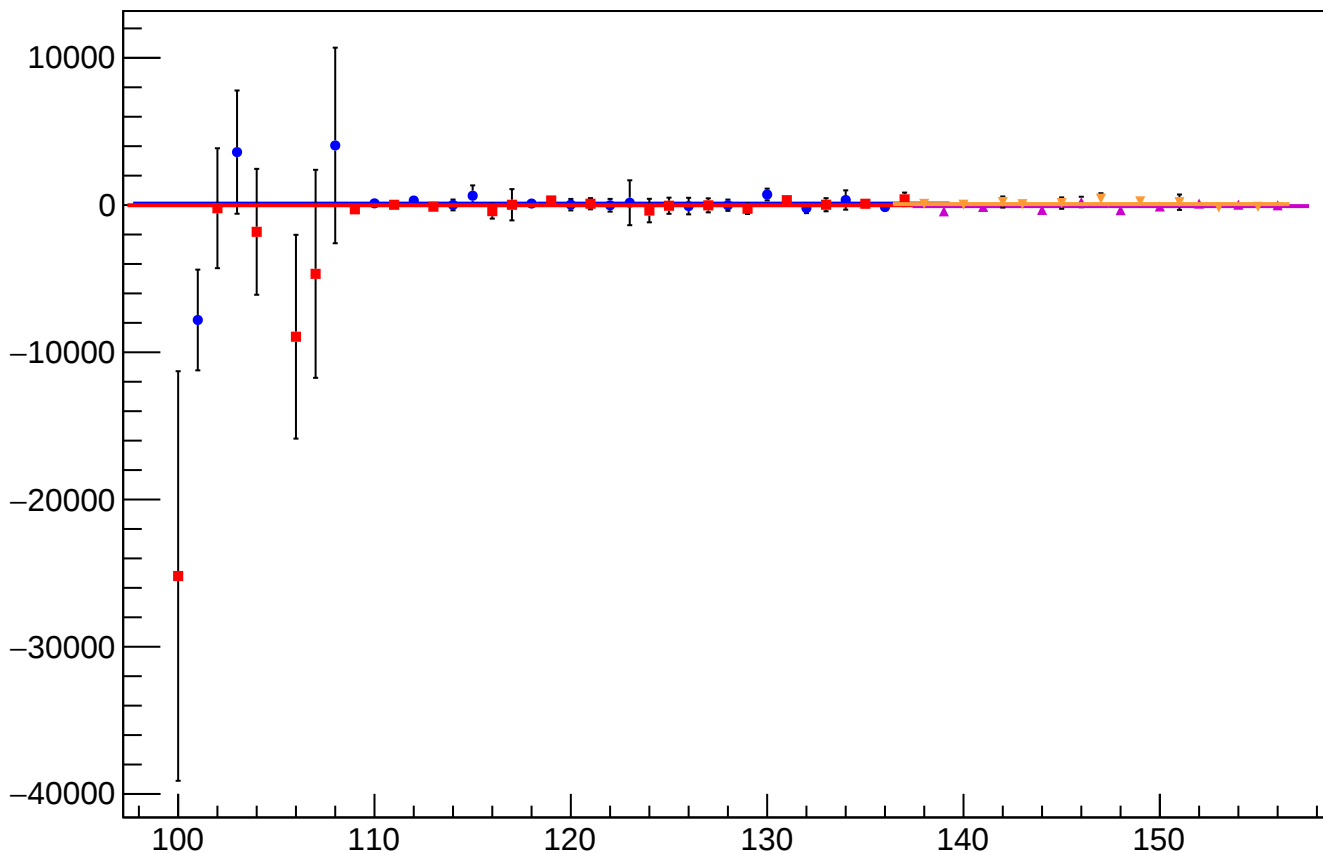
Right Out: 27.930+/-0.009 χ^2 /NDF: 3479947.6/19

Left In: 30.330+/-0.008 χ^2 /NDF:31606.6/8

29.247+/-0.006 χ^2 /NDF: 3094640.2/26

29.240+/-0.006 χ^2 /NDF: 3553198.4/28

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 98.142 $\pm$ 89.203 χ^2 /NDF: 12.5/16

Left Out: 67.064 $\pm$ 96.056 χ^2 /NDF: 3.2/9

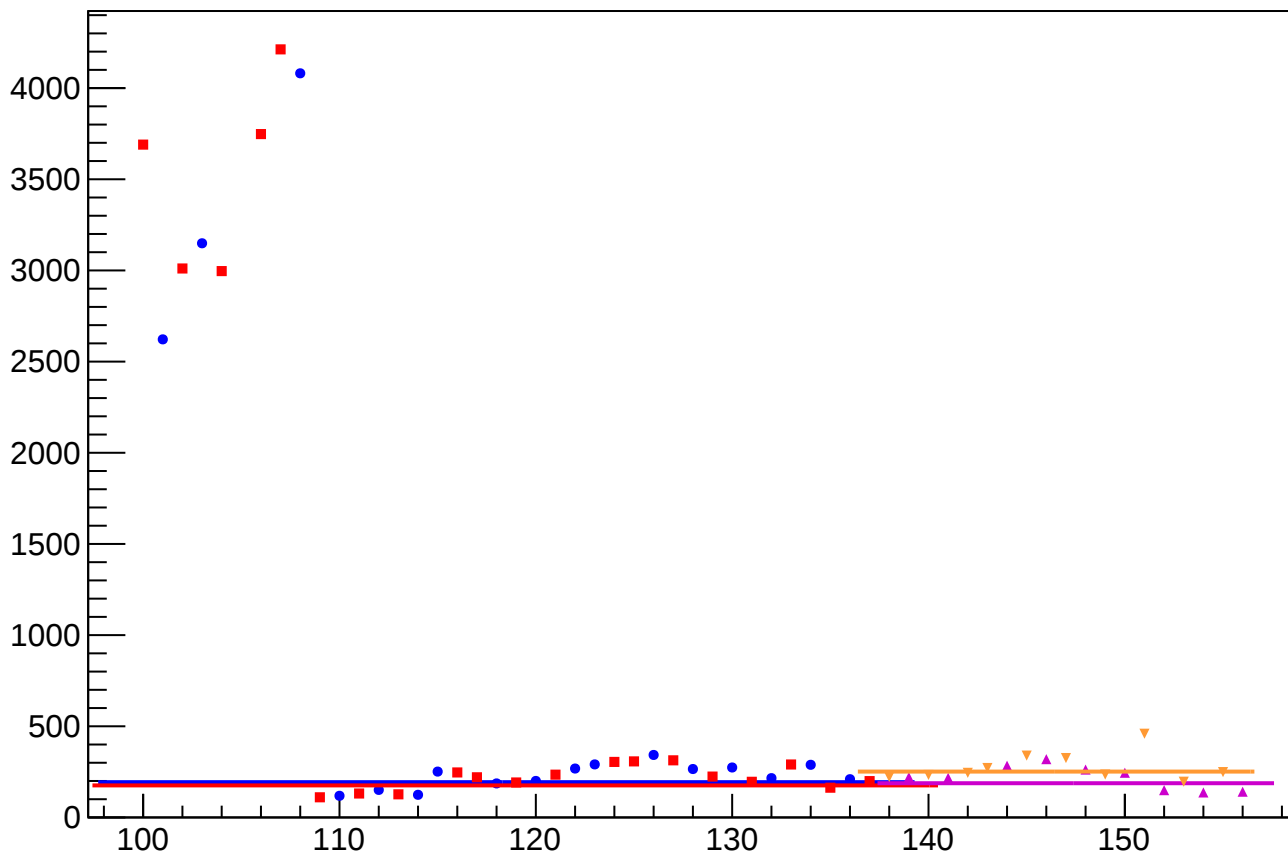
Right Out: -11.533 $\pm$ 81.530 χ^2 /NDF: 12.3/19

Left In: -70.726 $\pm$ 75.090 χ^2 /NDF: 5.2/8

83.751 $\pm$ 65.365 χ^2 /NDF: 15.8/26

-43.559 $\pm$ 55.234 χ^2 /NDF: 17.7/28

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: 251.573+/-0.068 χ^2/NDF : 664271.1/9

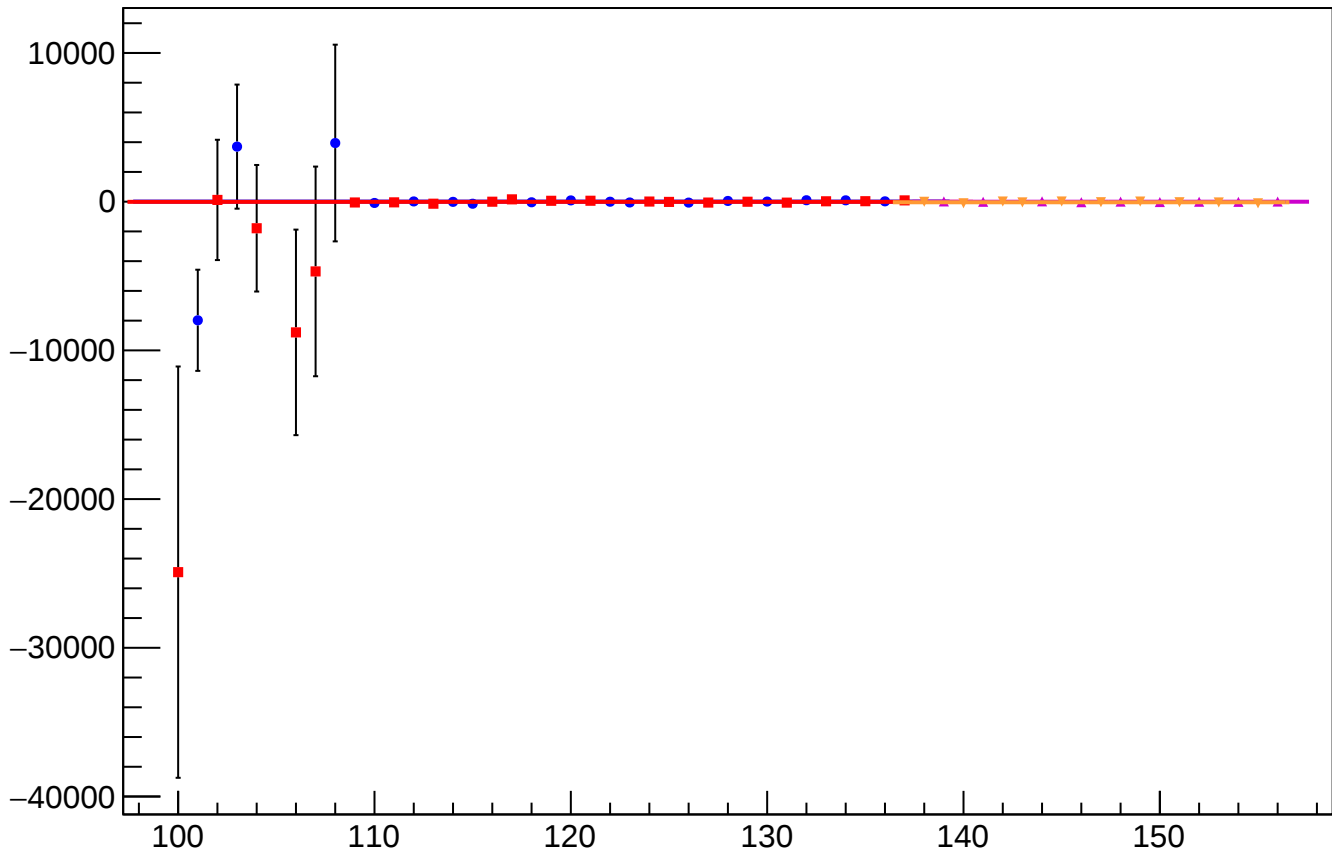
Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

Left In: 187.754+/-0.053 χ^2/NDF : 1192424.5/8

220.400+/-0.046 χ^2/NDF : 4593512.0/26

182.256+/-0.039 χ^2/NDF : 5384904.3/28

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.565 $\pm$ 15.052 χ^2 /NDF: 20.4/16

Left Out: -39.595 $\pm$ 13.097 χ^2 /NDF:10.5/9

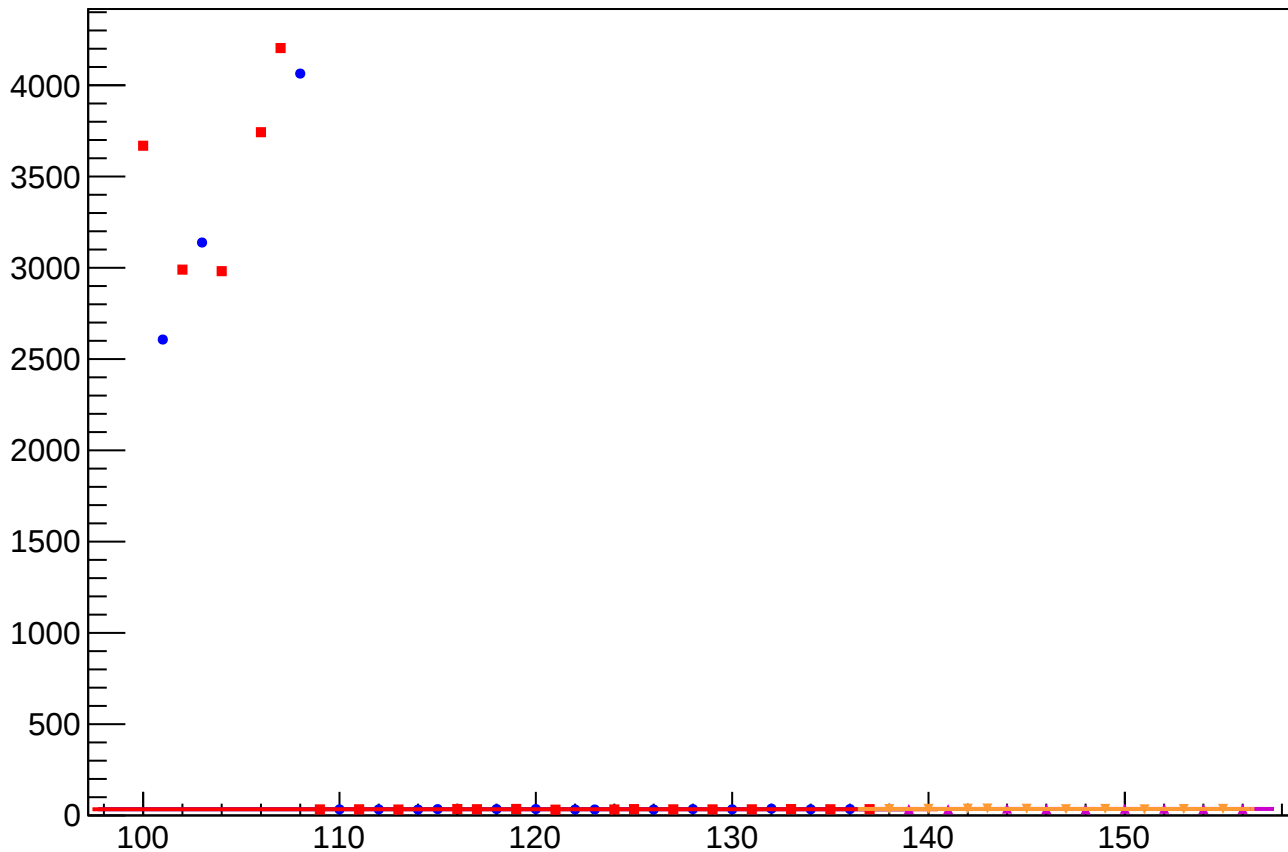
Right Out: -10.775 $\pm$ 14.891 χ^2 /NDF: 23.0/19

Left In: -2.676 $\pm$ 13.161 χ^2 /NDF:1.7/8

-20.136 $\pm$ 9.880 χ^2 /NDF: 36.0/26

-6.228 $\pm$ 9.861 χ^2 /NDF: 24.9/28

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: 35.522+/-0.009 χ^2/NDF :19319.8/9

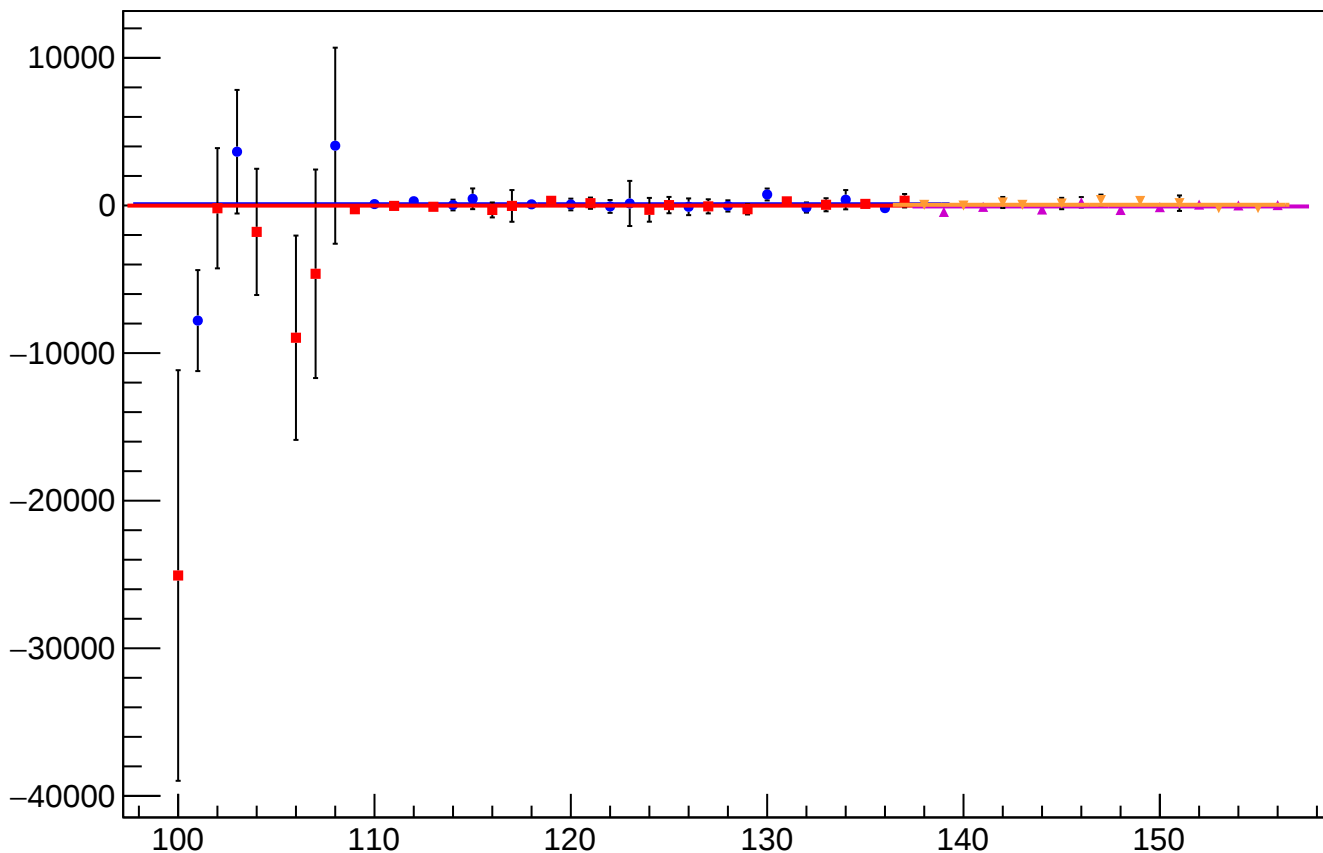
Right Out: 33.916+/-0.011 χ^2/NDF : 3451921.6/19

Left In: 35.675+/-0.009 χ^2/NDF :12574.4/8

34.938+/-0.007 χ^2/NDF : 3035045.7/26

34.904+/-0.007 χ^2/NDF : 3480176.8/28

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: 48.013+/-95.575 χ^2/NDF : 3.7/9

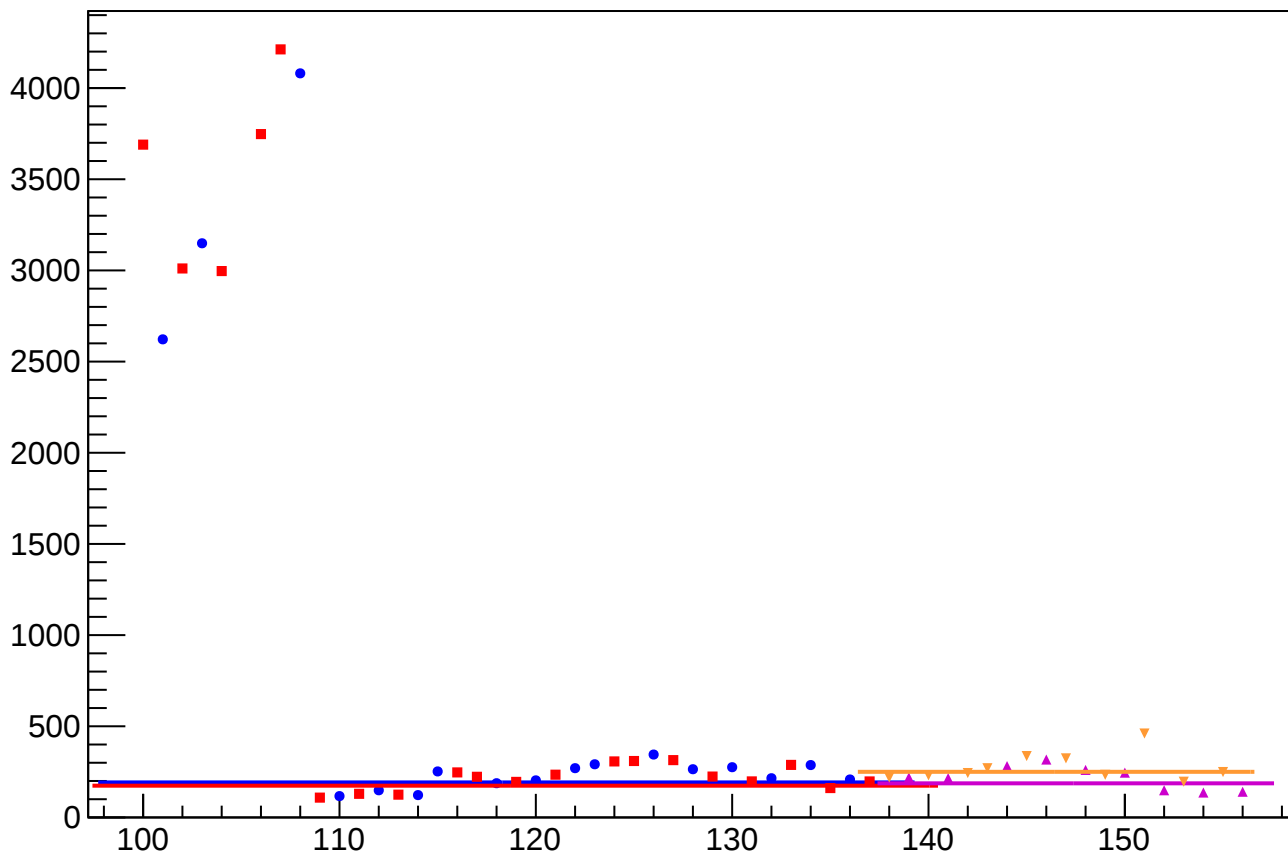
Right Out: -8.682+/-81.026 χ^2/NDF : 11.1/19

Left In: -65.989+/-74.832 χ^2/NDF : 4.7/8

67.609+/-65.033 χ^2/NDF : 16.3/26

-39.609+/-54.974 χ^2/NDF : 16.0/28

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: 250.257+/-0.068 χ^2/NDF : 667728.5/9

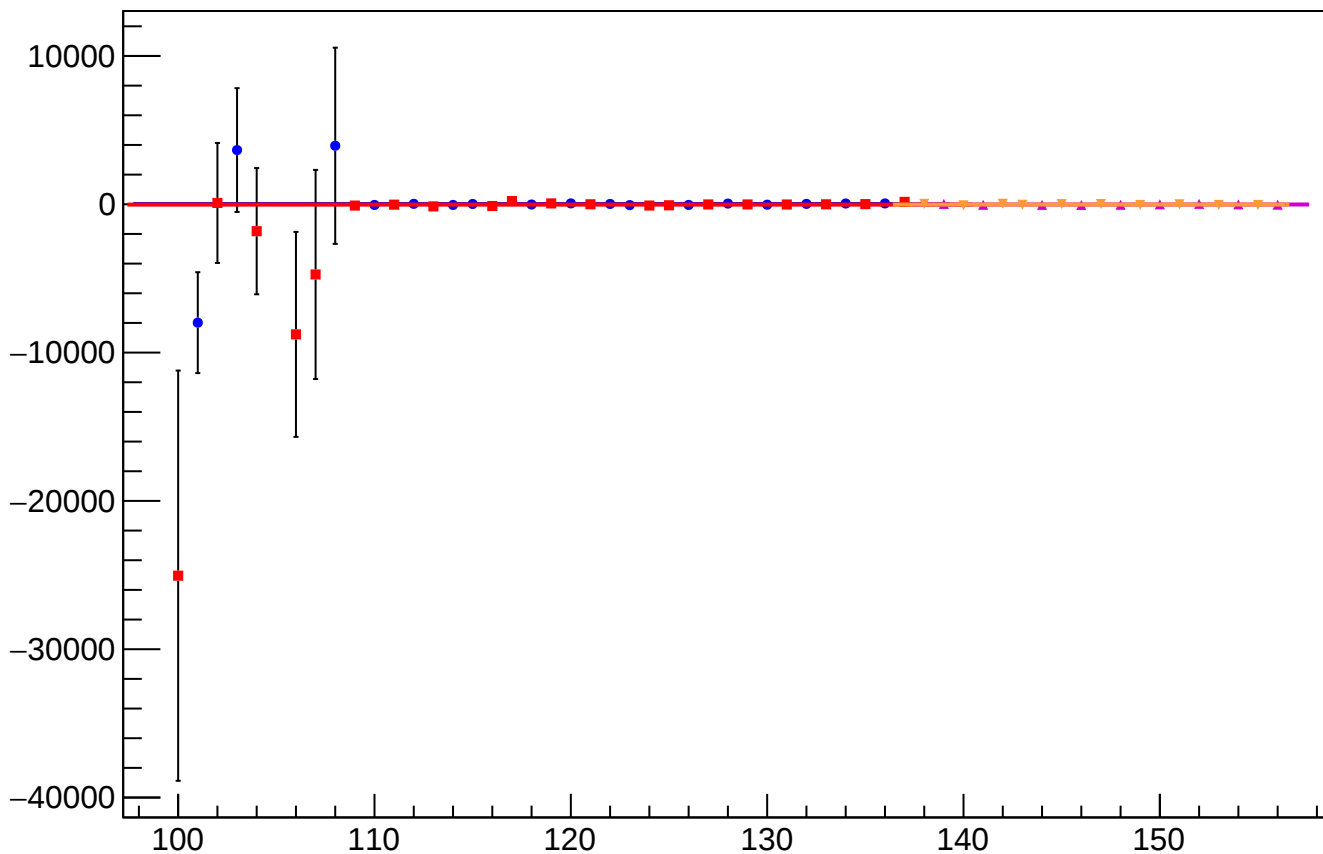
Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

Left In: 187.124+/-0.053 χ^2/NDF : 1181561.5/8

219.068+/-0.046 χ^2/NDF : 4638958.0/26

181.193+/-0.039 χ^2/NDF : 5424616.4/28

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: -17.597+/-11.986 χ^2/NDF : 8.1/9

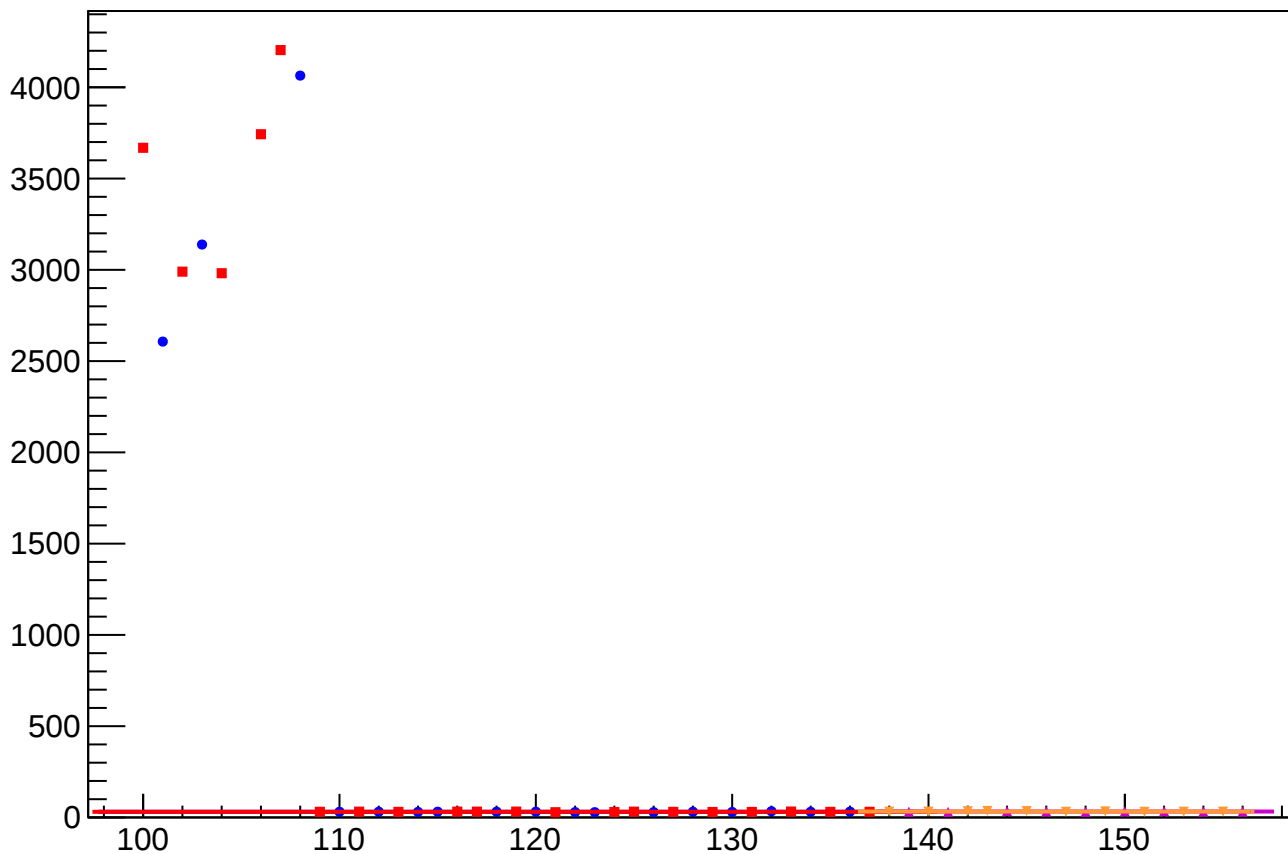
Right Out: -20.740+/-13.606 χ^2/NDF : 30.4/19

Left In: -14.225+/-12.012 χ^2/NDF : 4.5/8

-4.465+/-9.028 χ^2/NDF : 25.6/26

-17.079+/-9.005 χ^2/NDF : 35.1/28

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: 32.472+/-0.008 χ^2/NDF : 32290.5/9

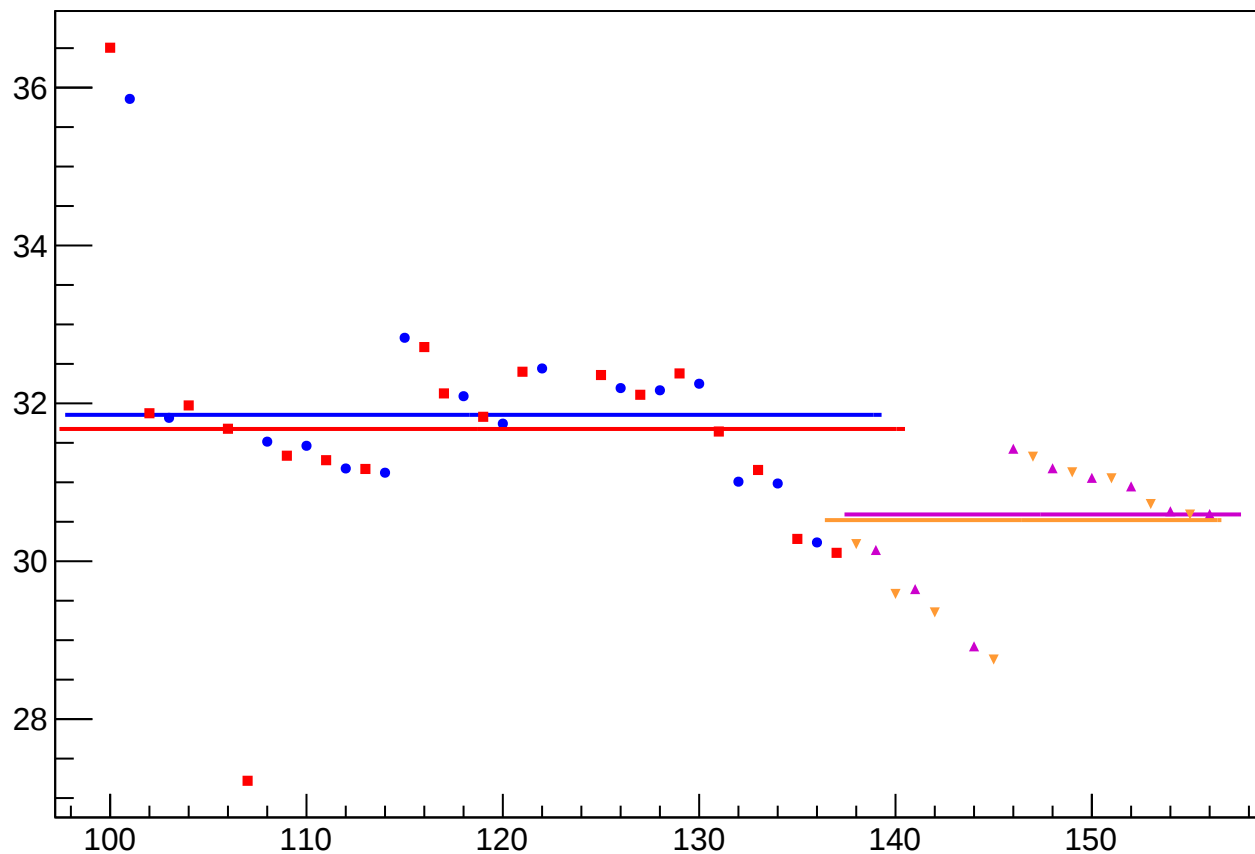
Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

Left In: 32.505+/-0.008 χ^2/NDF : 24856.3/8

31.901+/-0.006 χ^2/NDF : 3057294.4/26

31.833+/-0.006 χ^2/NDF : 3498161.0/28

yield_usl_mean vs Slug



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.521+/-0.000 χ^2/NDF : 586445696.8/8

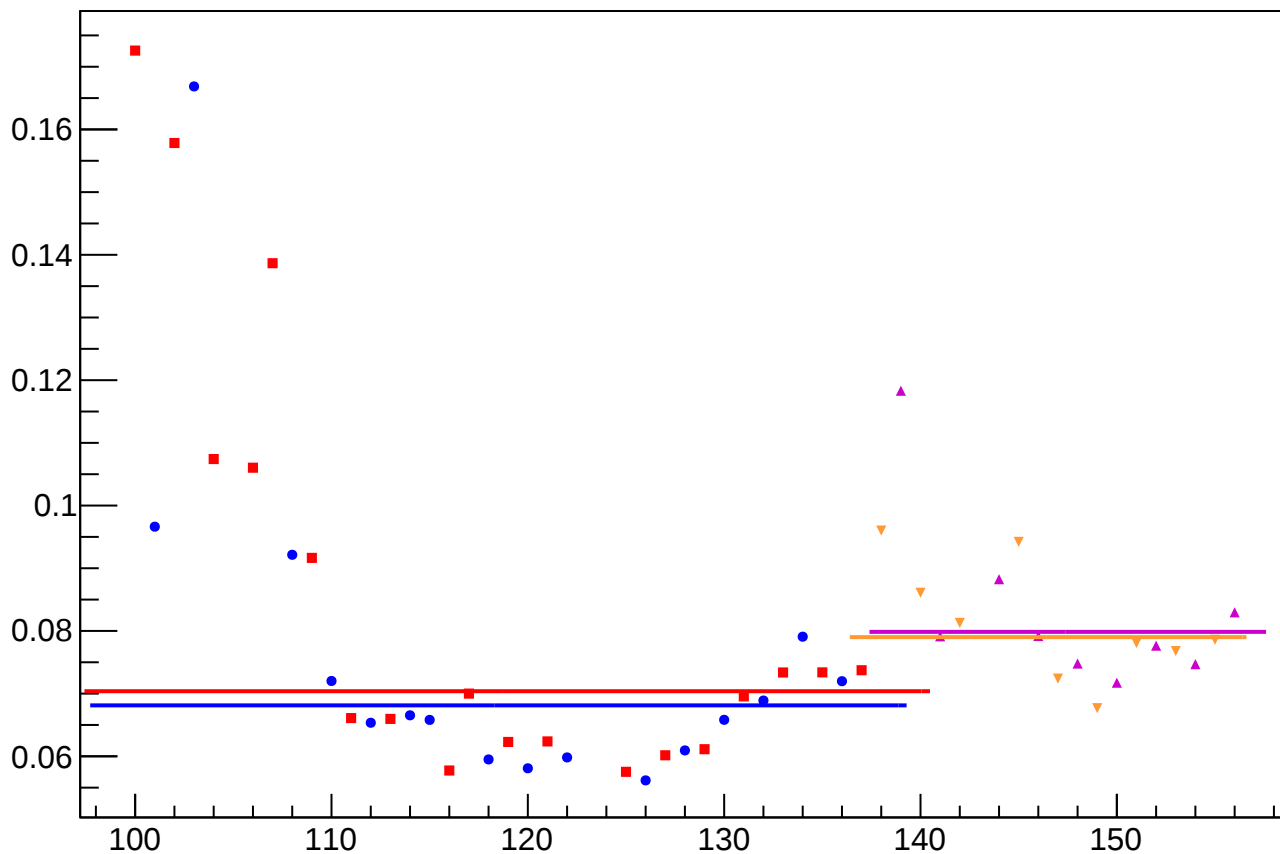
Right Out: 31.676+/-0.000 χ^2/NDF : 919678295.7/18

Left In: 30.593+/-0.000 χ^2/NDF : 560969668.0/8

31.275+/-0.000 χ^2/NDF : 3118783052.9/24

31.177+/-0.000 χ^2/NDF : 2130659638.1/27

yield_usl_rms vs Slug



Right In: 0.068 ± 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.079 ± 0.000 χ^2/NDF : 142347.7/8

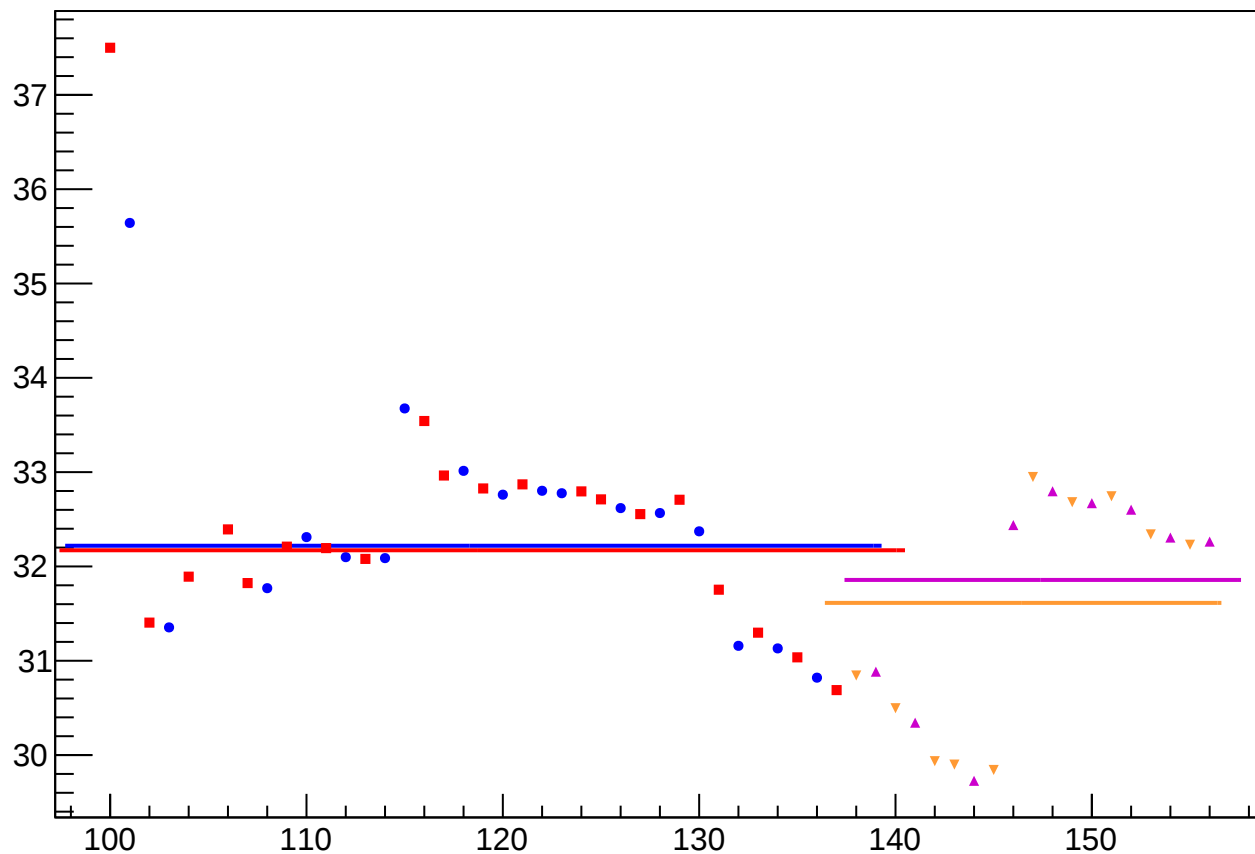
Right Out: 0.070 ± 0.000 χ^2/NDF : 841322.7/18

Left In: 0.080 ± 0.000 χ^2/NDF : 198849.0/8

0.073 ± 0.000 χ^2/NDF : 900267.0/24

0.075 ± 0.000 χ^2/NDF : 1139574.7/27

yield_usr_mean vs Slug



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.614+/-0.000 χ^2/NDF :1665786992.8/9

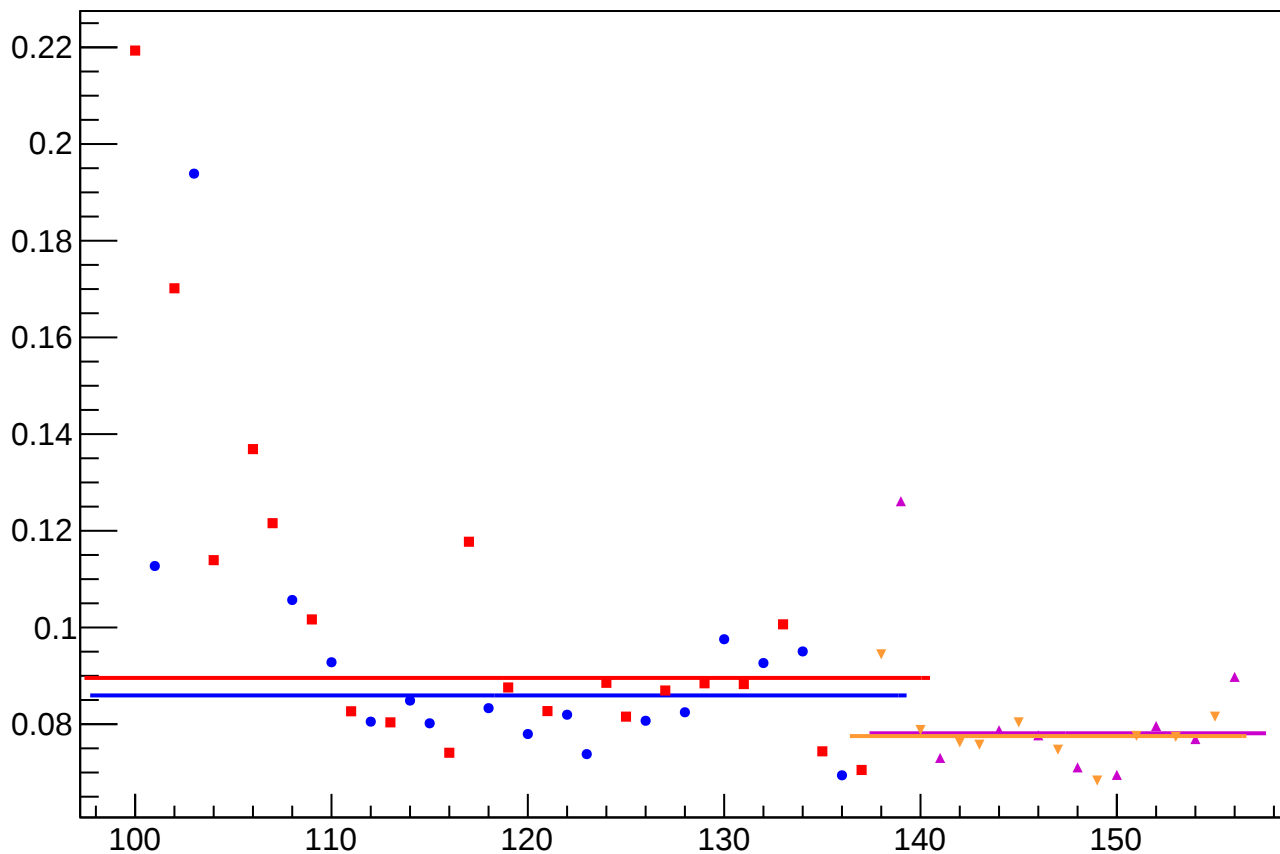
Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

Left In: 31.857+/-0.000 χ^2/NDF :1335813850.4/8

31.866+/-0.000 χ^2/NDF : 2847840636.6/26

31.987+/-0.000 χ^2/NDF : 1824574854.7/28

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.078+/-0.000 χ^2/NDF : 78417.7/9

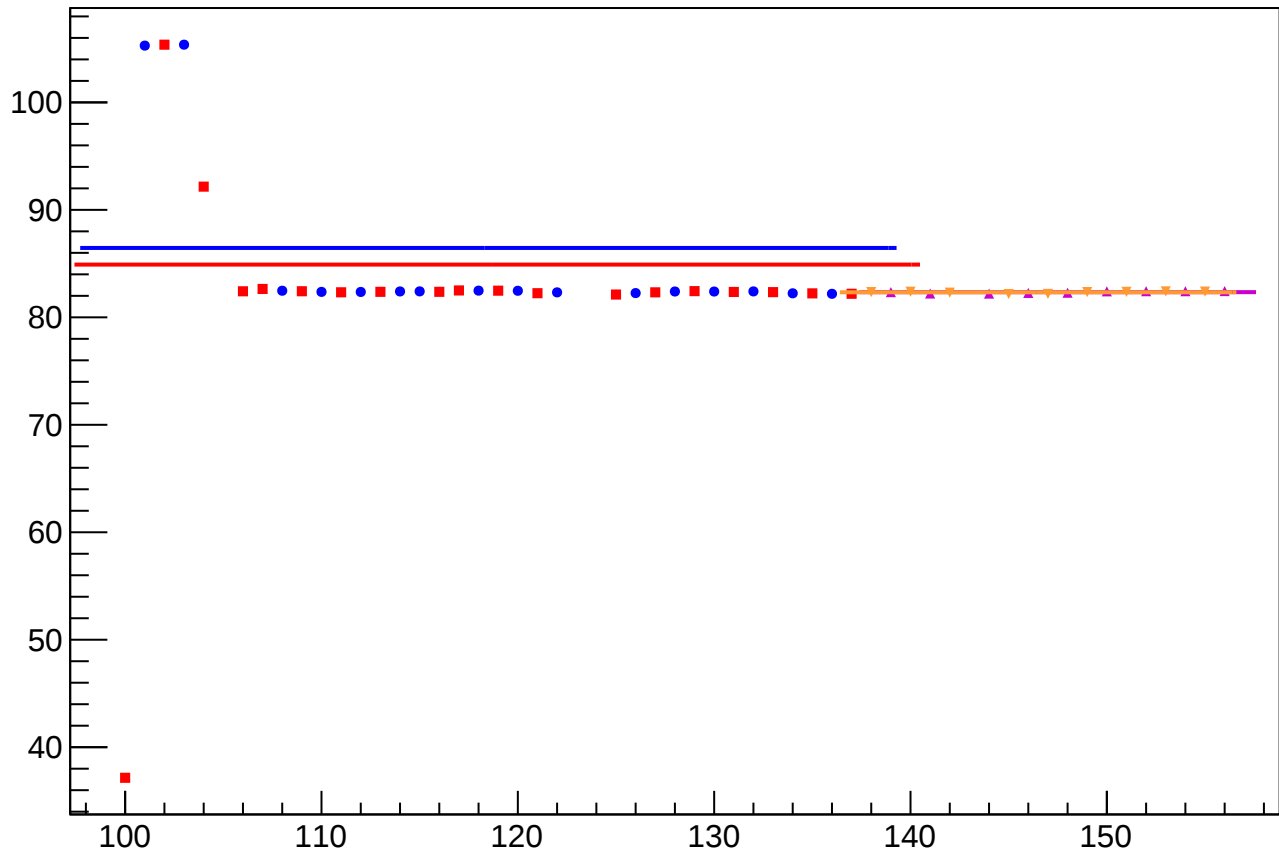
Right Out: 0.090+/-0.000 χ^2/NDF : 544516.7/19

Left In: 0.078+/-0.000 χ^2/NDF : 275473.6/8

0.081+/-0.000 χ^2/NDF : 696498.1/26

0.083+/-0.000 χ^2/NDF : 938347.9/28

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.330+/-0.000 χ^2/NDF : 26307706.1/8

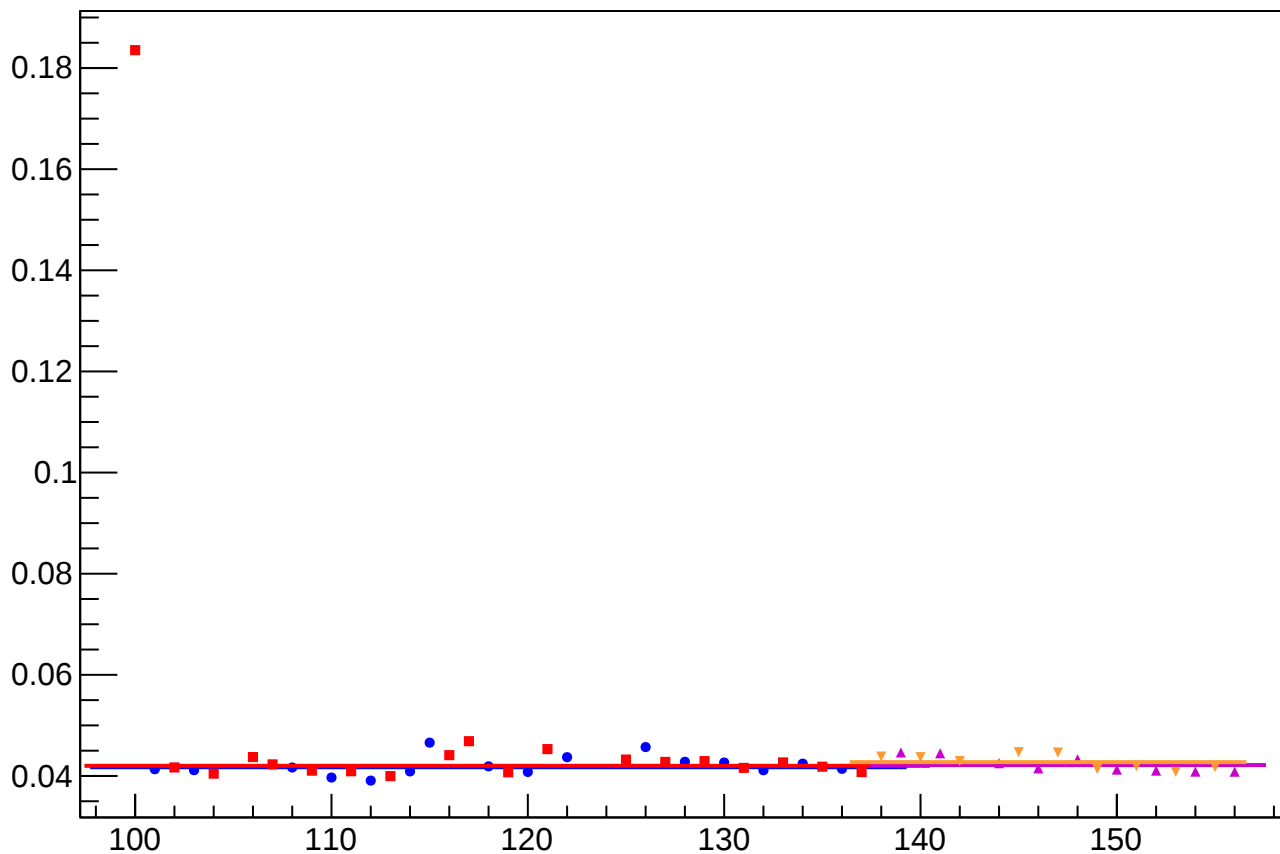
Right Out: 84.908+/-0.000 χ^2/NDF : 172306803858.3/18

Left In: 82.344+/-0.000 χ^2/NDF : 34157819.5/8

84.433+/-0.000 χ^2/NDF : 322925708724.9/24

83.598+/-0.000 χ^2/NDF : 185520163000.4/27

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 18887.0/15

Left Out: 0.043 $\pm$ 0.000 χ^2 /NDF: 14129.8/8

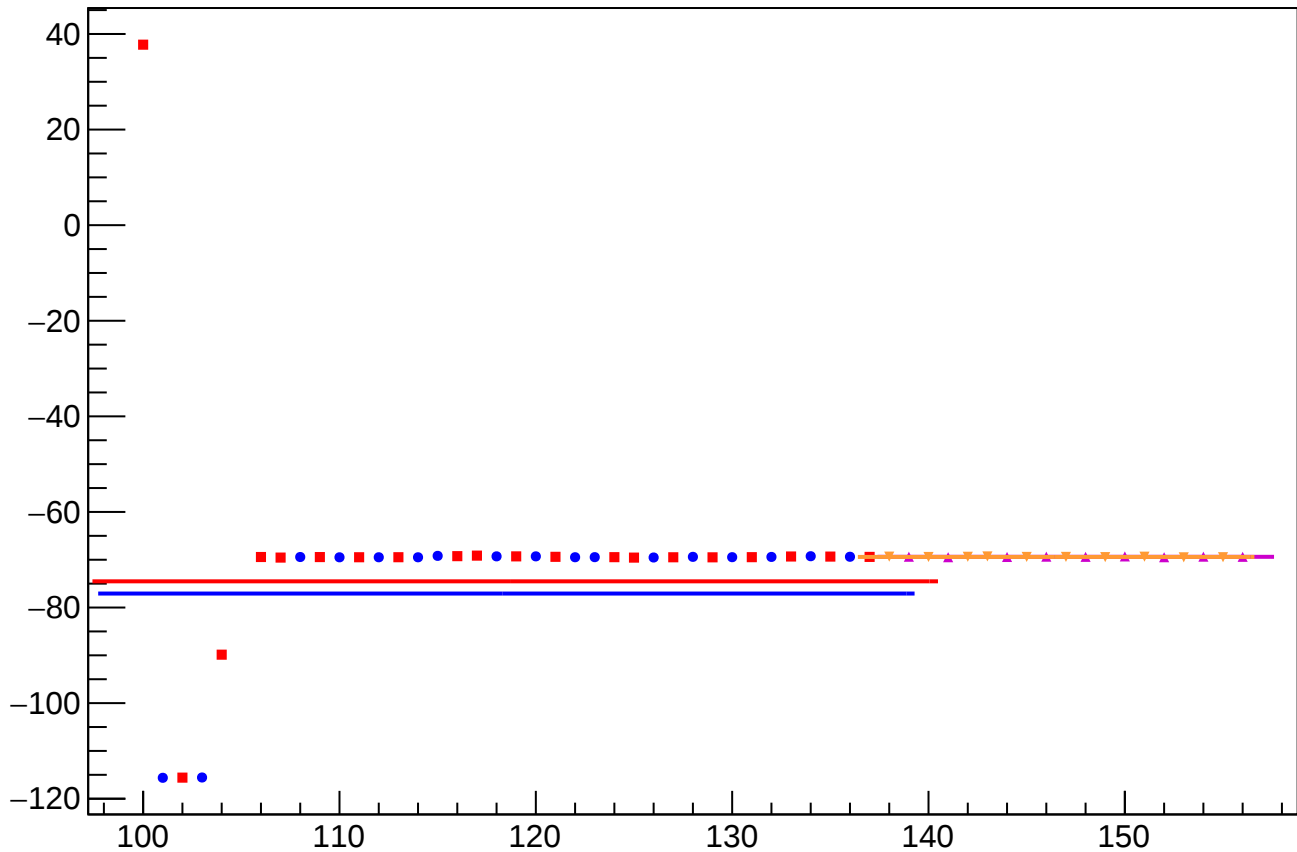
Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 97785.5/18

Left In: 0.042 $\pm$ 0.000 χ^2 /NDF: 15933.5/8

0.042 $\pm$ 0.000 χ^2 /NDF: 36771.9/24

0.042 $\pm$ 0.000 χ^2 /NDF: 113809.1/27

yield_dsr_mean vs Slug



Right In: -77.074 ± 0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.412 ± 0.000 χ^2/NDF : 6716681.0/9

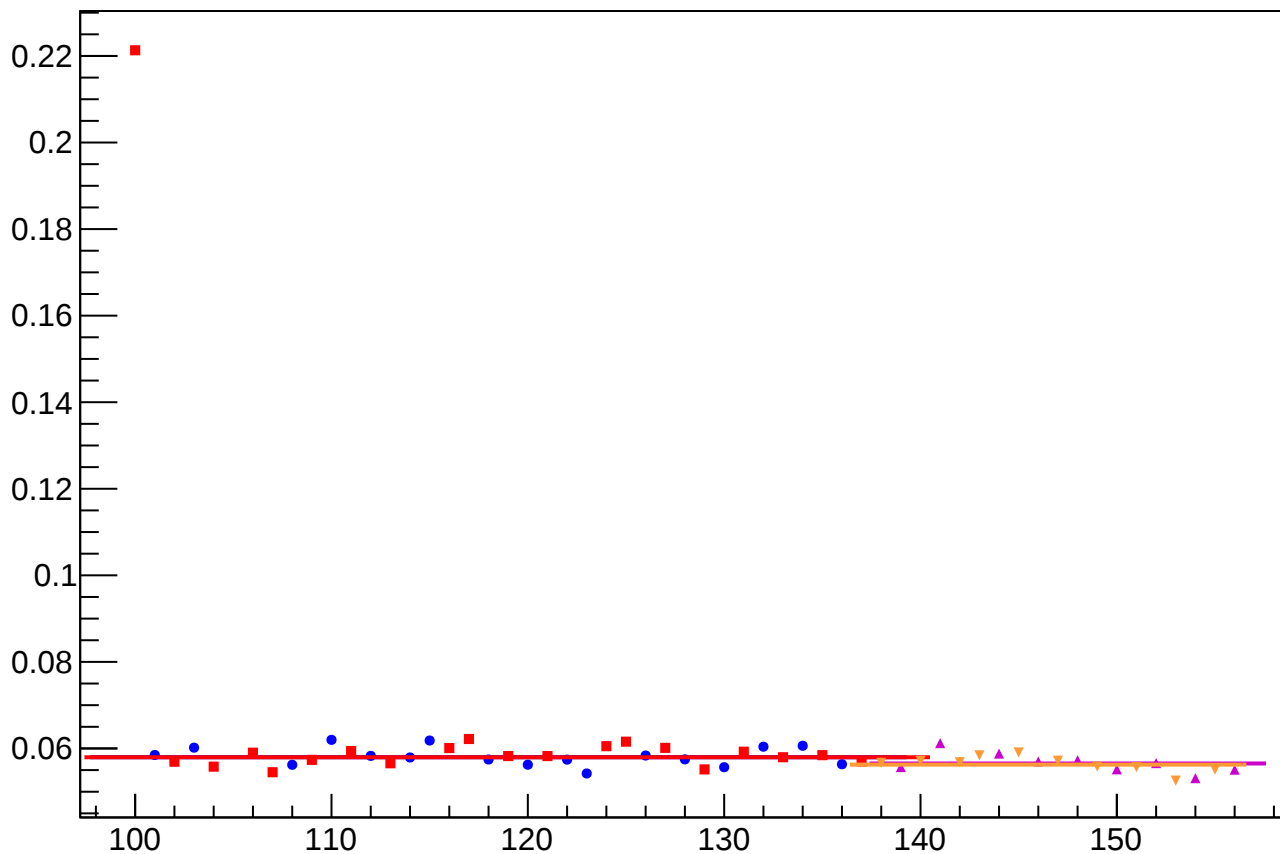
Right Out: -74.518 ± 0.000 χ^2/NDF : 372210051226.2/19

Left In: -69.388 ± 0.000 χ^2/NDF : 5935595.5/8

-72.938 ± 0.000 χ^2/NDF : 626085605406.5/26

-71.851 ± 0.000 χ^2/NDF : 400302418443.7/28

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 : 14503.0/9

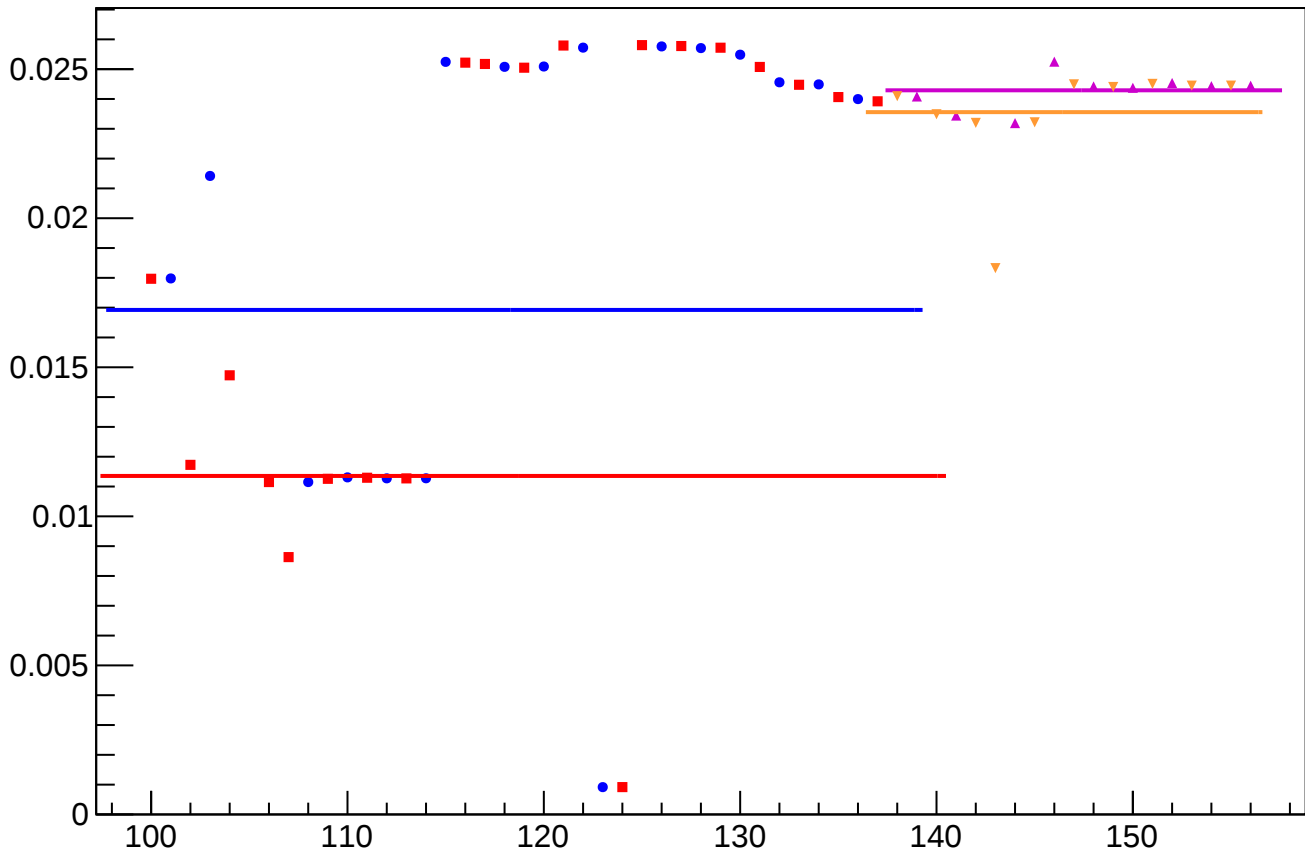
Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

Left In: 0.057+/-0.000 χ^2/NDF : 21492.3/8

0.057+/-0.000 χ^2/NDF : 32827.0/26

0.057+/-0.000 χ^2/NDF : 112754.5/28

yield_atl1_mean vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 126447785006.7/16

Left Out: 0.024+/-0.000 χ^2/NDF : 4753454921.8/9

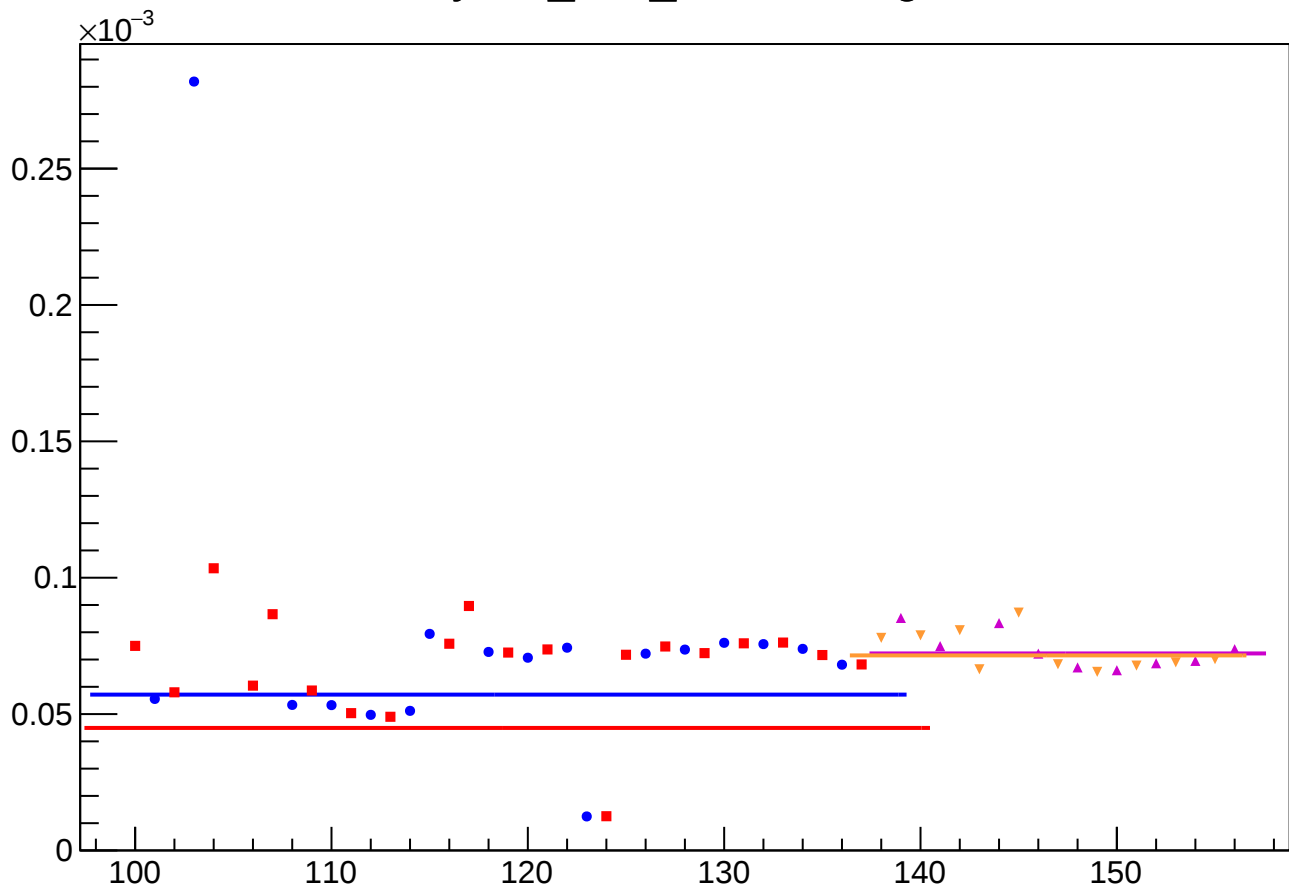
0.020+/-0.000 χ^2/NDF : 164671777981.2/26

Right Out: 0.011+/-0.000 χ^2/NDF : 235754579473.9/19

0.016+/-0.000 χ^2/NDF : 382276963939.9/28

Left In: 0.024+/-0.000 χ^2/NDF : 413995344.3/8

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 : 112733.0/9

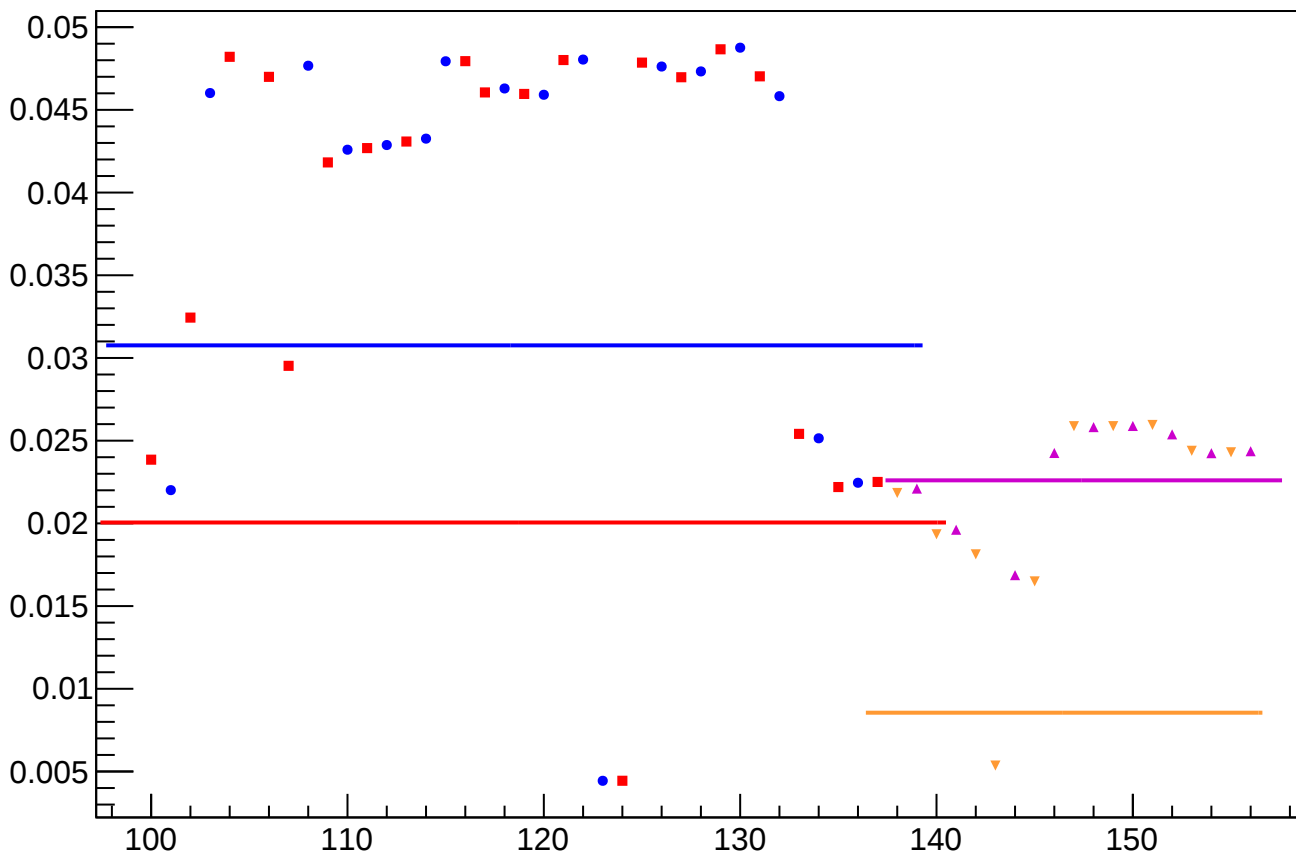
Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

Left In: 0.000+/-0.000 χ^2/NDF : 96697.1/8

0.000+/-0.000 χ^2/NDF : 2427522.3/26

0.000+/-0.000 χ^2/NDF : 5012551.0/28

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 : 19961192920.1/9

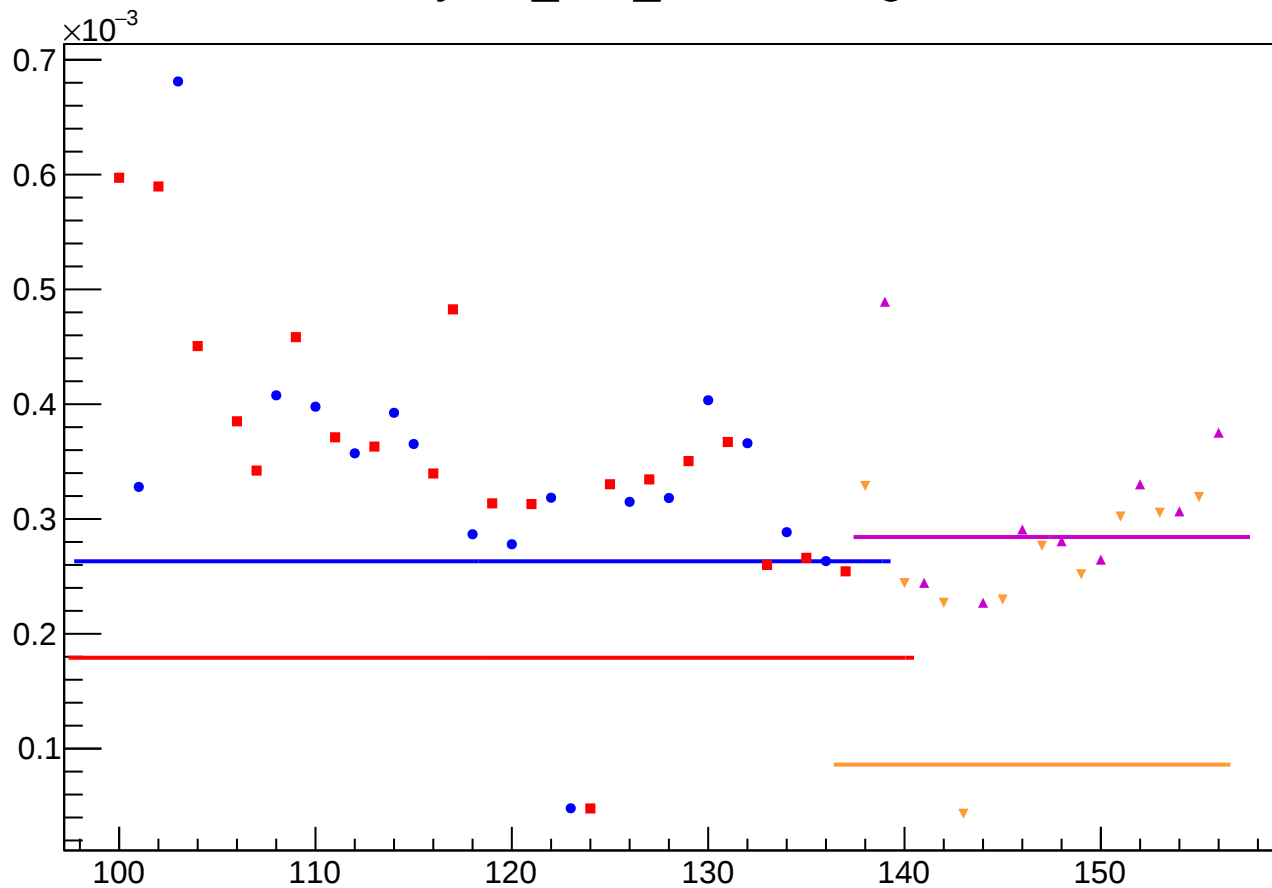
Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

Left In: 0.023+/-0.000 χ^2/NDF : 941592378.5/8

0.012+/-0.000 χ^2/NDF : 71109113601.2/26

0.021+/-0.000 χ^2/NDF : 41384406951.9/28

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 : 6973106.4/9

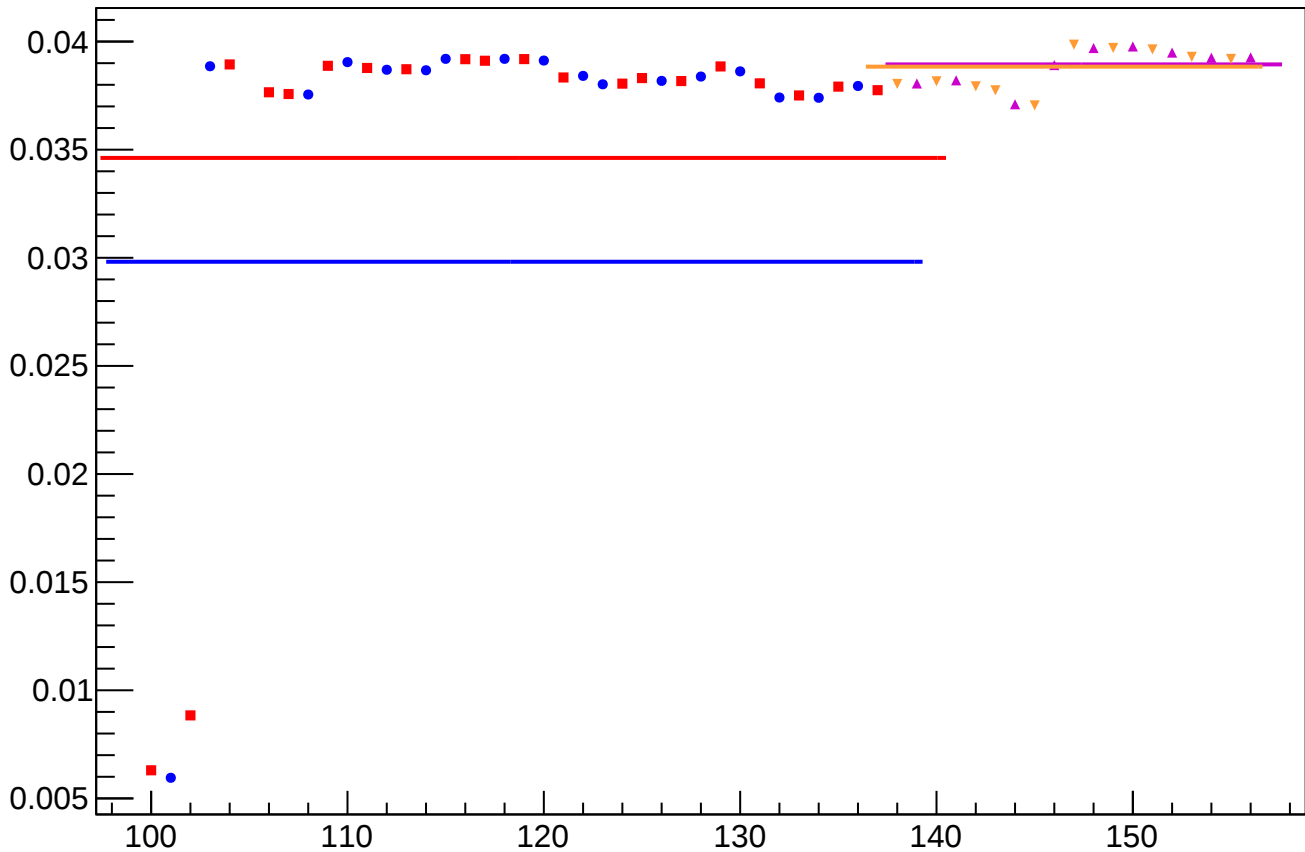
Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

Left In: 0.000+/-0.000 χ^2/NDF : 512140.9/8

0.000+/-0.000 χ^2/NDF : 13187863.9/26

0.000+/-0.000 χ^2/NDF : 6938996.4/28

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2/NDF : 97152184939.3/16

Left Out: 0.039 $\pm$ 0.000 χ^2/NDF : 322411729.1/9

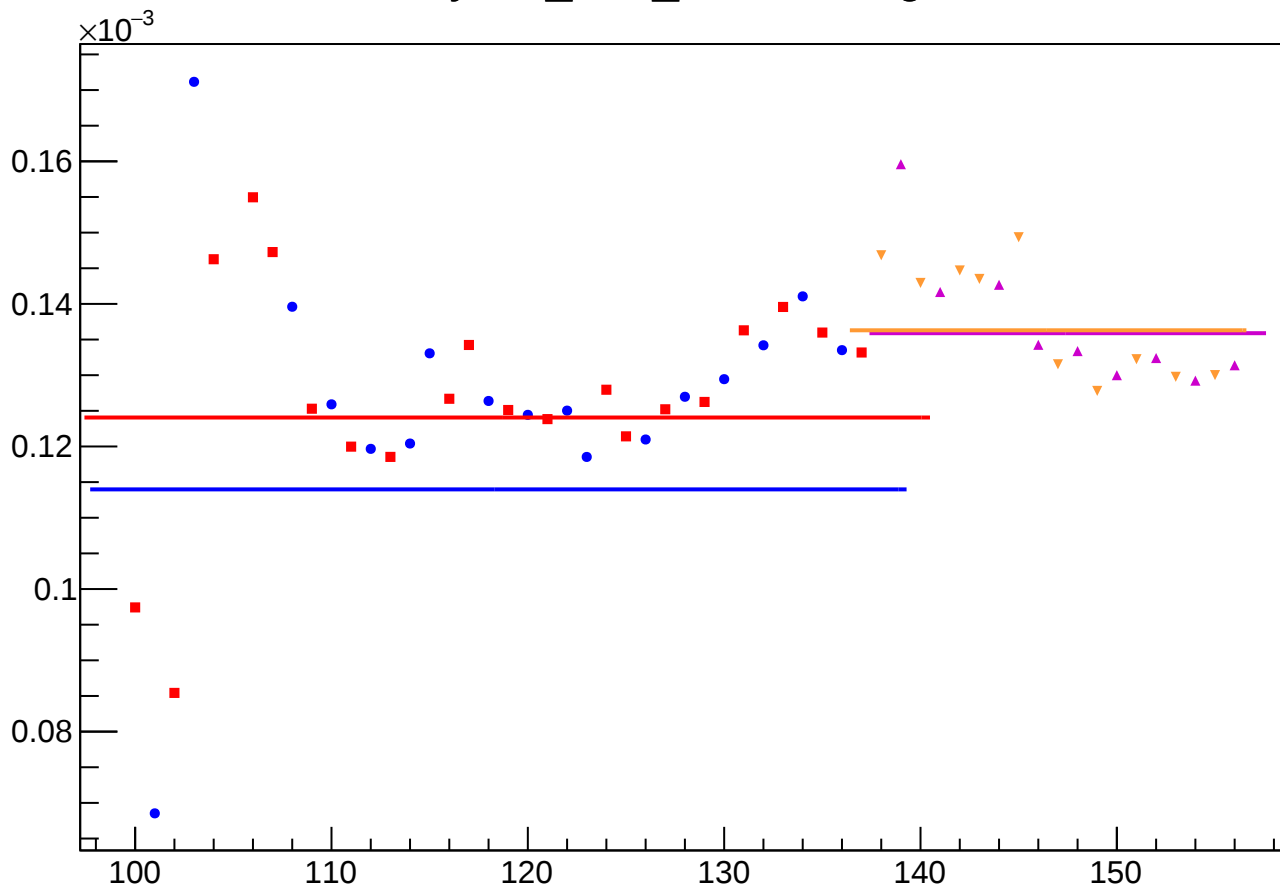
0.034 $\pm$ 0.000 χ^2/NDF : 114688856581.2/26

Right Out: 0.035 $\pm$ 0.000 χ^2/NDF : 43717644957.2/19

0.037 $\pm$ 0.000 χ^2/NDF : 47810120709.1/28

Left In: 0.039 $\pm$ 0.000 χ^2/NDF : 264341267.8/8

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:45787.0/9

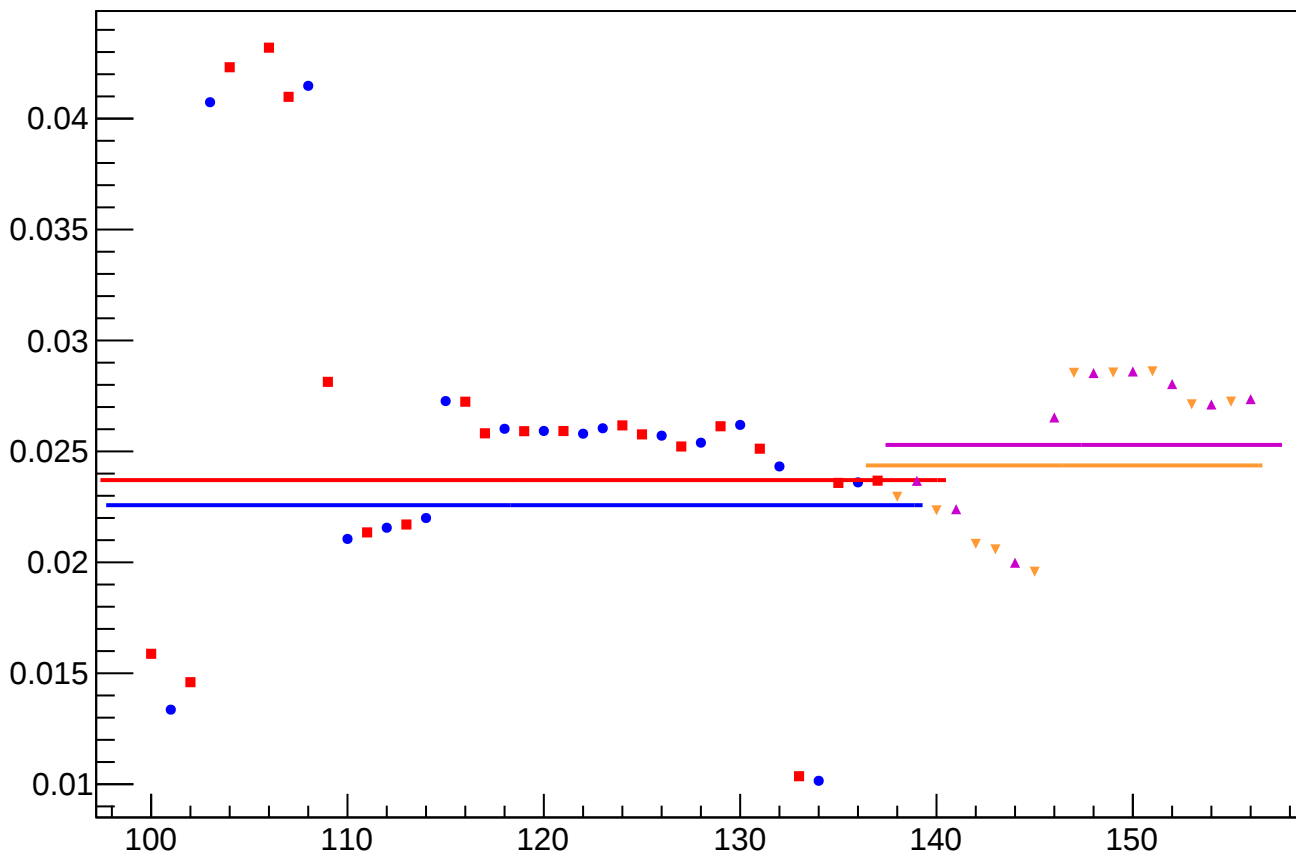
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 245649.5/19

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:49540.1/8

0.000 $\pm$ 0.000 χ^2 /NDF: 1051027.9/26

0.000 $\pm$ 0.000 χ^2 /NDF: 352485.4/28

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.024+/-0.000 χ^2/NDF : 1291244453.1/9

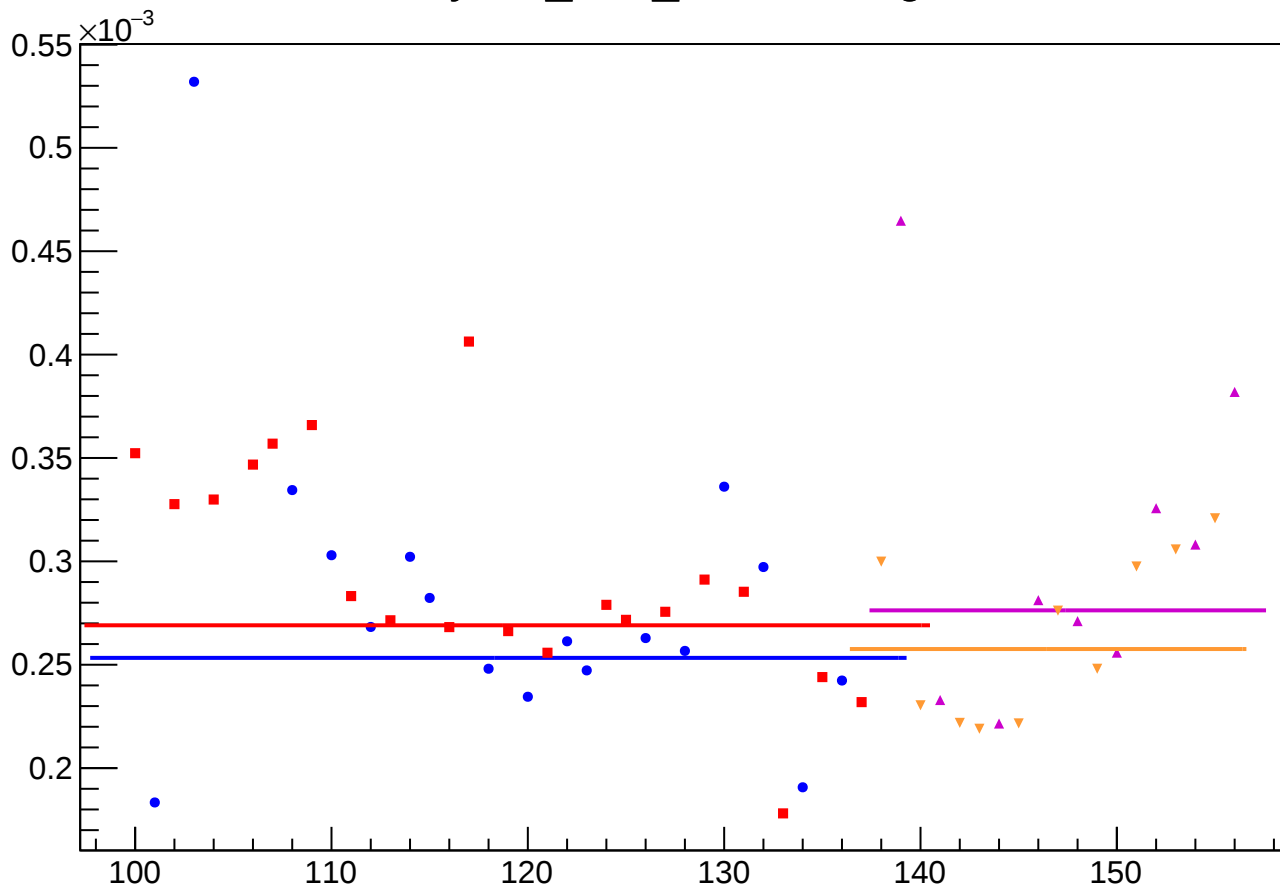
Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

Left In: 0.025+/-0.000 χ^2/NDF : 932293131.9/8

0.024+/-0.000 χ^2/NDF : 5689217976.4/26

0.024+/-0.000 χ^2/NDF : 6691996991.8/28

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 :262623.2/9

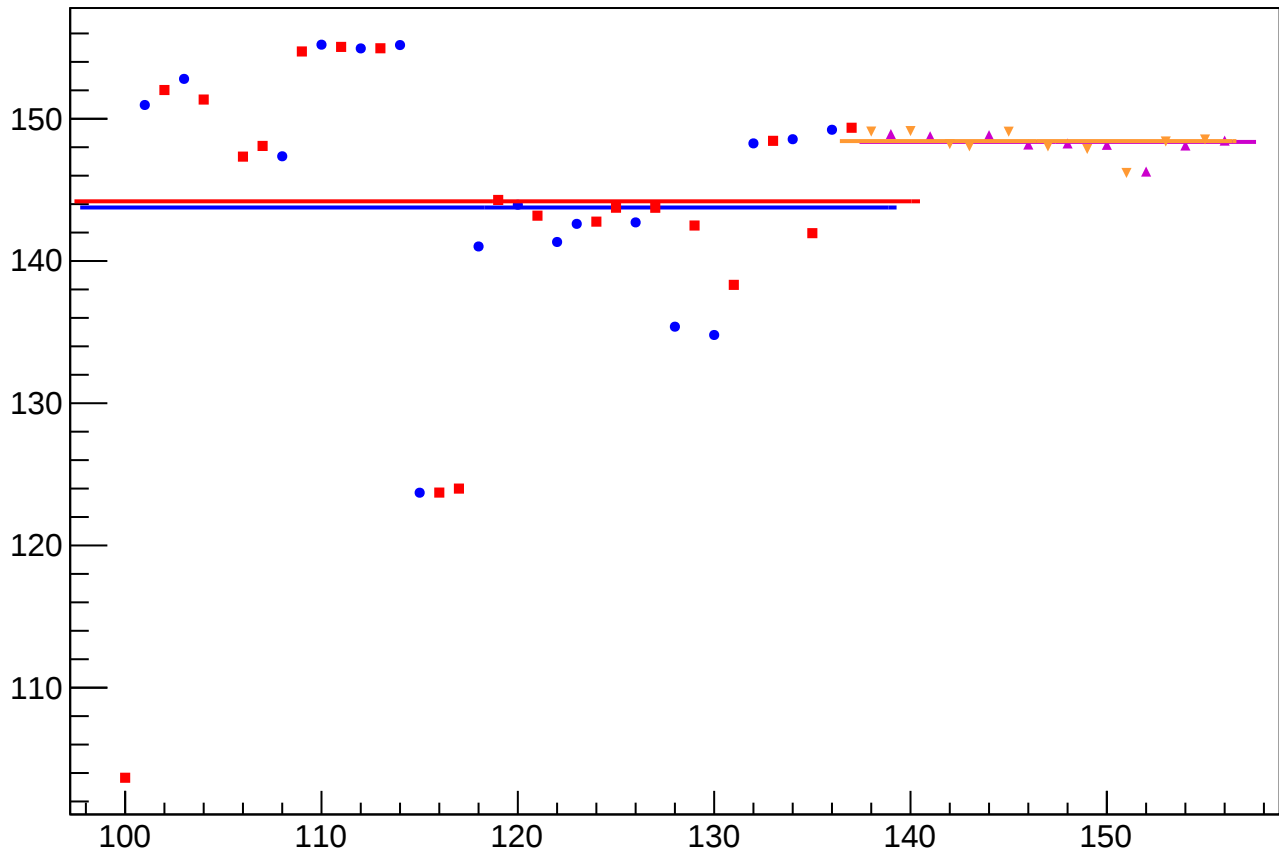
Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

Left In: 0.000+/-0.000 χ^2/NDF :545857.0/8

0.000+/-0.000 χ^2/NDF : 893493.5/26

0.000+/-0.000 χ^2/NDF : 988014.6/28

yield_bcm_an_ds_mean vs Slug



Right In: 143.763 ± 0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.432 ± 0.000 χ^2/NDF : 30731523.5/9

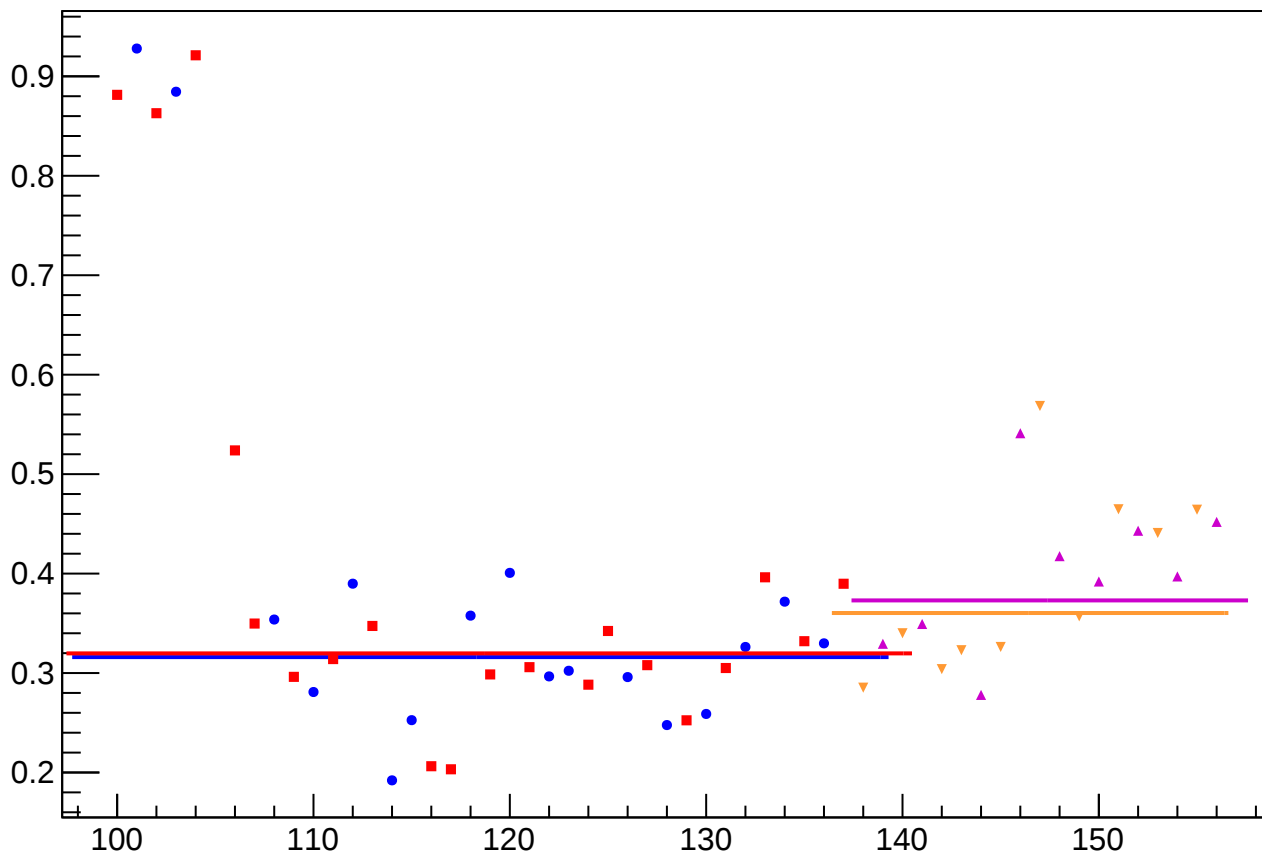
Right Out: 144.197 ± 0.000 χ^2/NDF : 4523139755.0/19

Left In: 148.373 ± 0.000 χ^2/NDF : 23450392.0/8

146.022 ± 0.000 χ^2/NDF : 4152016263.8/26

146.123 ± 0.000 χ^2/NDF : 5009014414.1/28

yield_bcm_an_ds_rms vs Slug



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.360+/-0.000 χ^2/NDF : 566276.9/9

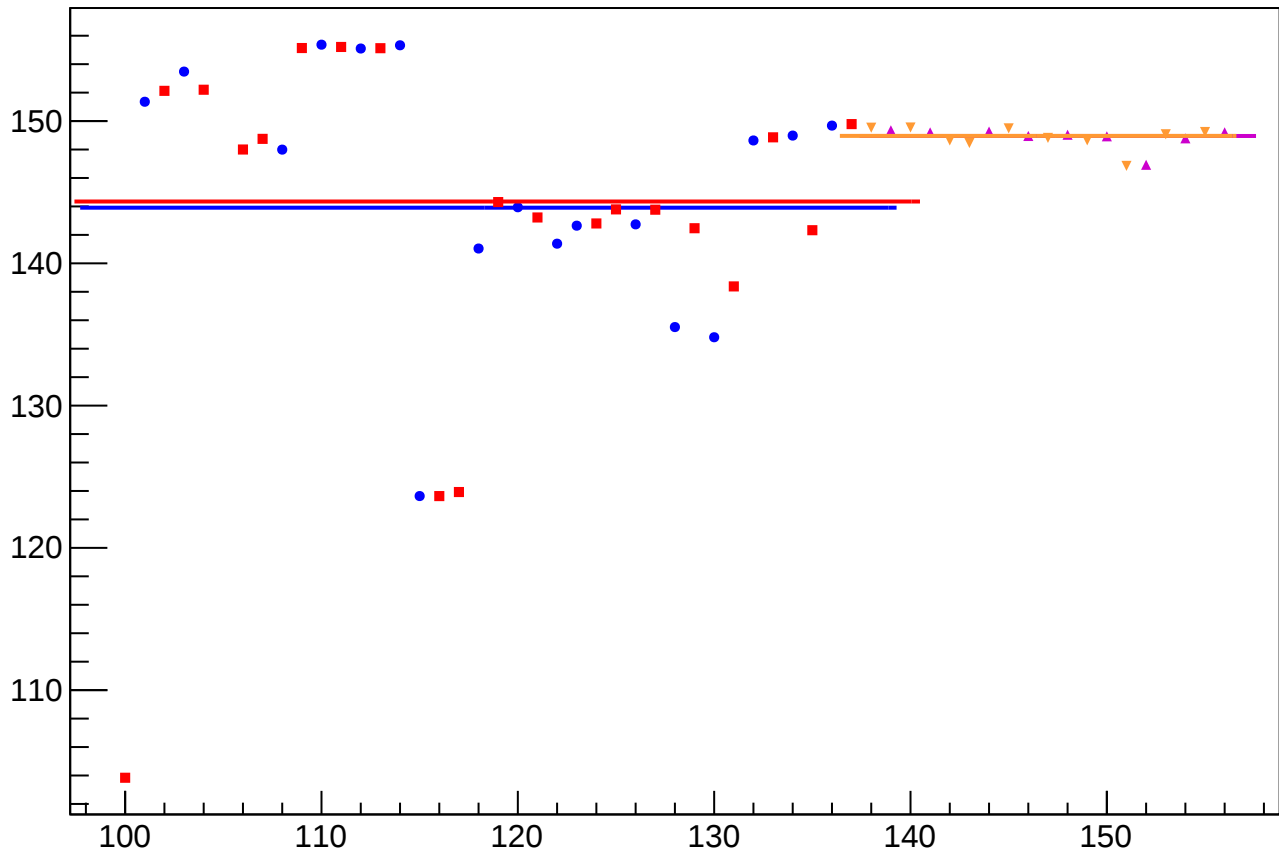
Right Out: 0.320+/-0.000 χ^2/NDF : 1241752.3/19

Left In: 0.373+/-0.000 χ^2/NDF : 491597.3/8

0.337+/-0.000 χ^2/NDF : 1937960.1/26

0.344+/-0.000 χ^2/NDF : 1883830.6/28

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 148.959 $\pm$ 0.000 χ^2 /NDF: 24780455.1/9

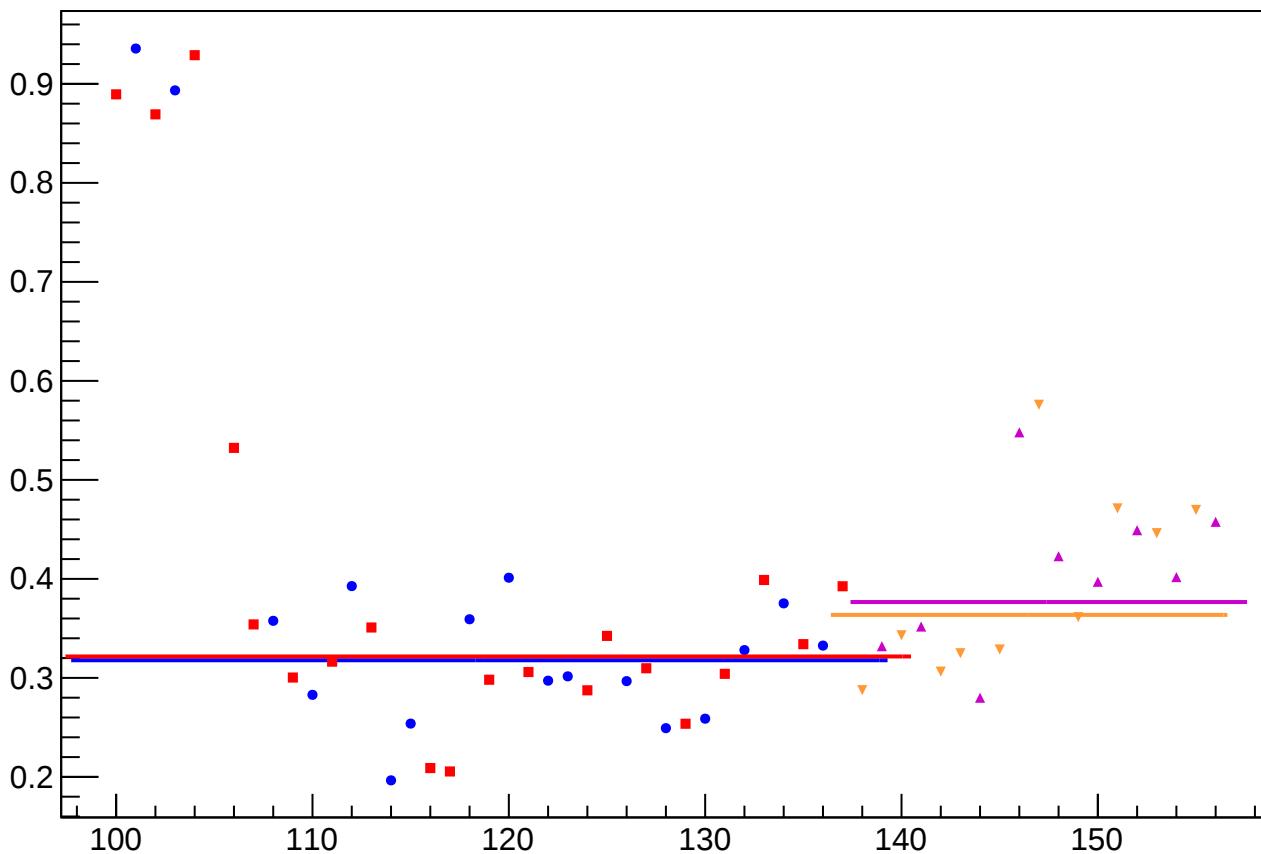
146.344 $\pm$ 0.000 χ^2 /NDF: 4287464133.2/26

Right Out: 144.347 $\pm$ 0.000 χ^2 /NDF: 4550581147.9/19

146.461 $\pm$ 0.000 χ^2 /NDF: 5122722986.5/28

Left In: 148.952 $\pm$ 0.000 χ^2 /NDF: 18735229.0/8

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1268257.9/16

Left Out: 0.364 $\pm$ 0.000 χ^2 /NDF:577148.0/9

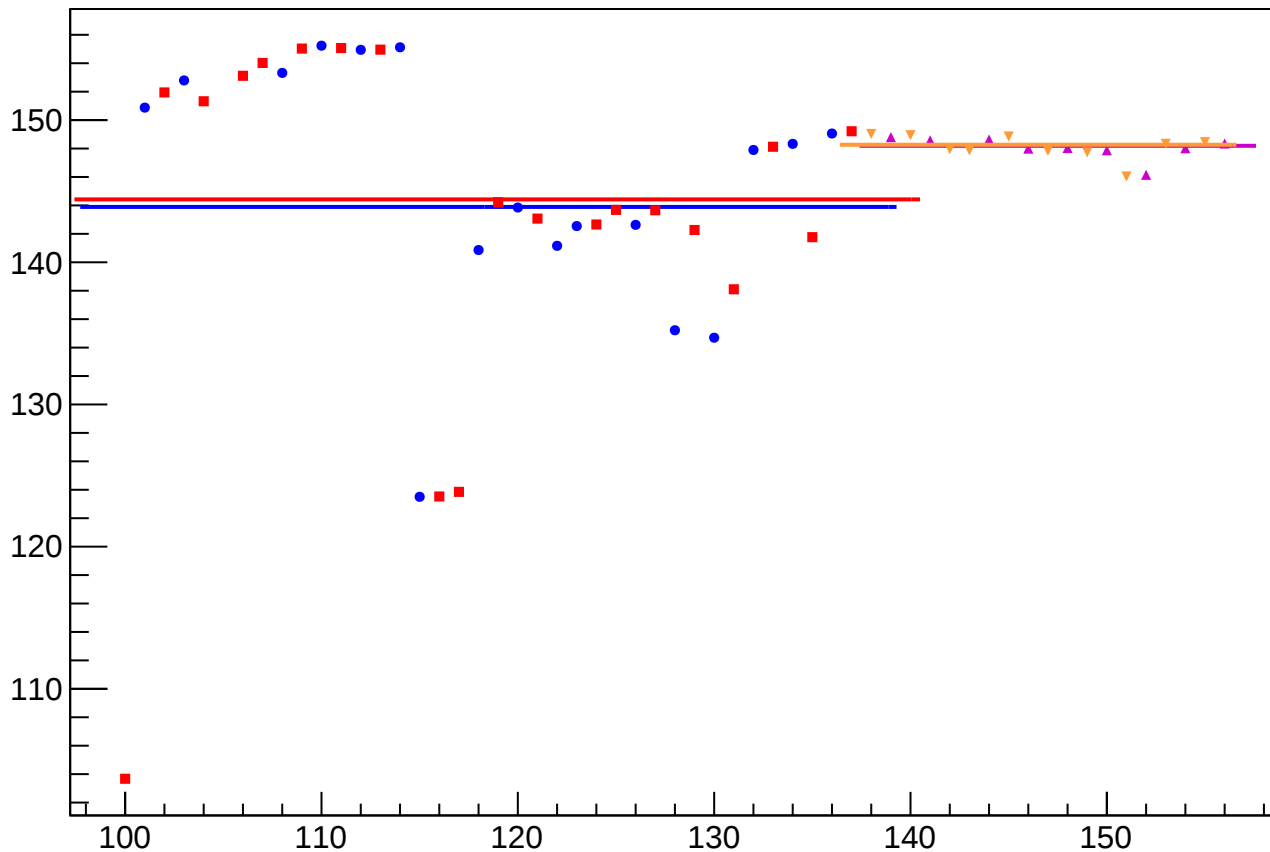
Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1244304.0/19

Left In: 0.377 $\pm$ 0.000 χ^2 /NDF:503723.1/8

0.340 $\pm$ 0.000 χ^2 /NDF: 1956727.9/26

0.347 $\pm$ 0.000 χ^2 /NDF: 1905780.5/28

yield_bcm_an_us_mean vs Slug



Right In: 143.893 ± 0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.268 ± 0.000 χ^2/NDF : 30900479.6/9

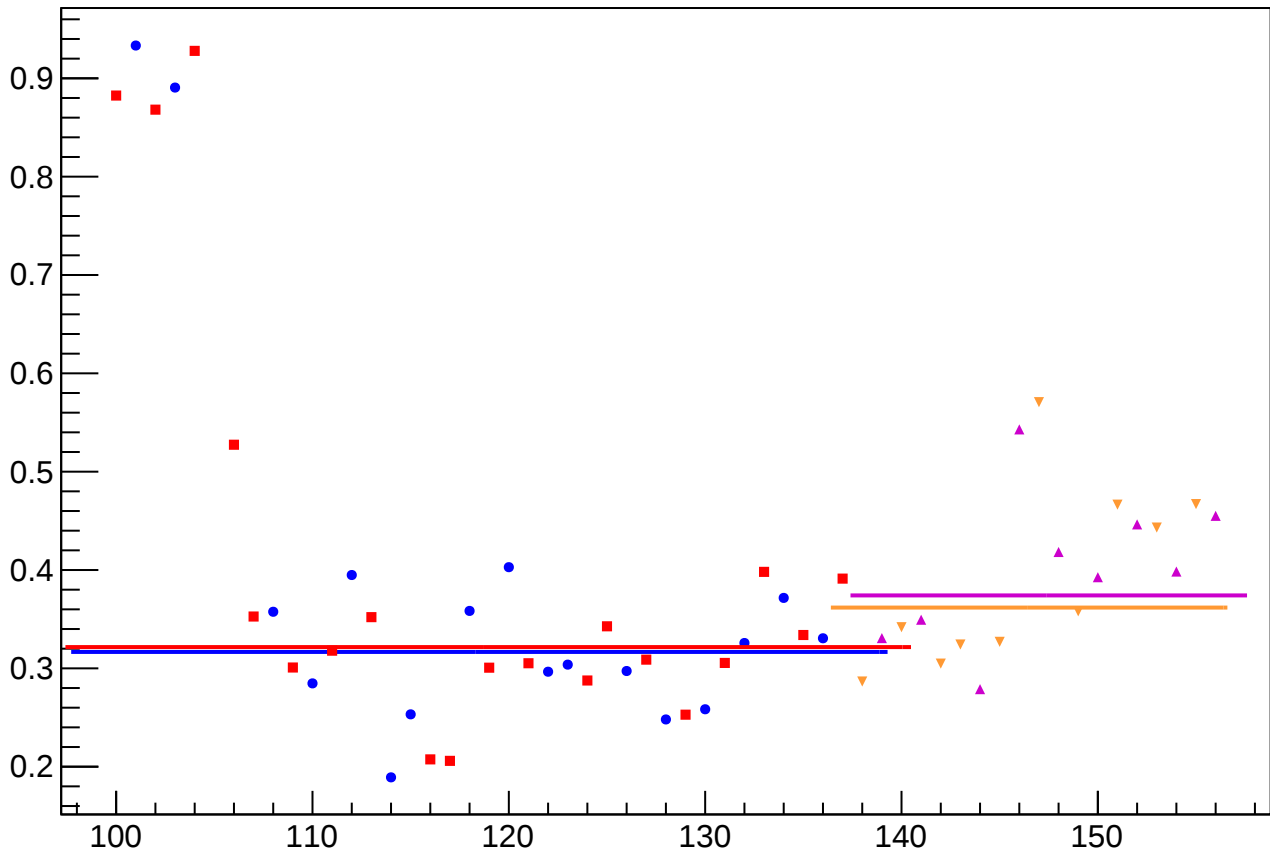
Right Out: 144.423 ± 0.000 χ^2/NDF : 4819194675.6/19

Left In: 148.192 ± 0.000 χ^2/NDF : 22730727.6/8

146.007 ± 0.000 χ^2/NDF : 4294709760.5/26

146.166 ± 0.000 χ^2/NDF : 5215350339.2/28

yield_bcm_an_us_rms vs Slug



Right In: 0.317+/-0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.362+/-0.000 χ^2/NDF : 567807.7/9

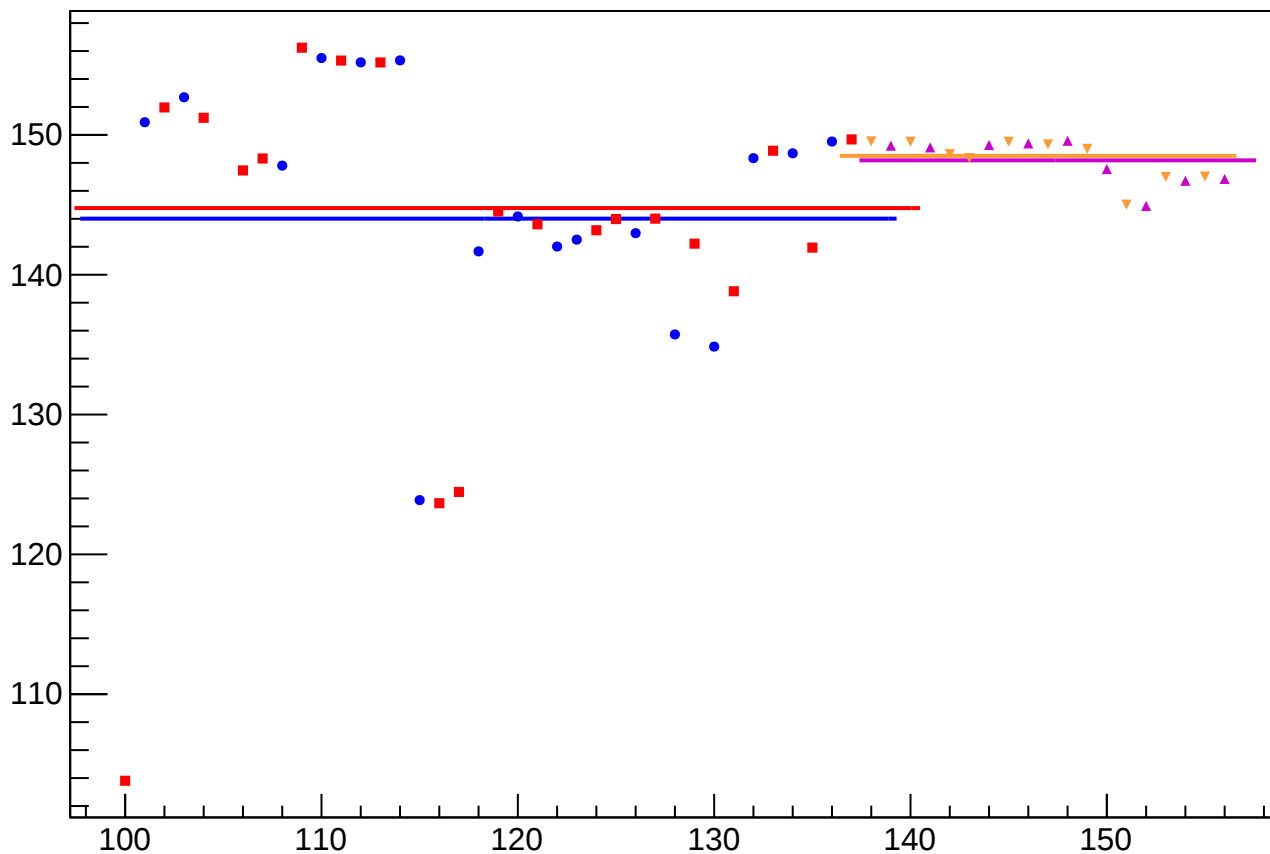
Right Out: 0.322+/-0.000 χ^2/NDF : 1244671.1/19

Left In: 0.374+/-0.000 χ^2/NDF : 495410.7/8

0.339+/-0.000 χ^2/NDF : 1956894.3/26

0.346+/-0.000 χ^2/NDF : 1885250.6/28

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 148.504 $\pm$ 0.000 χ^2 /NDF: 80847038.3/9

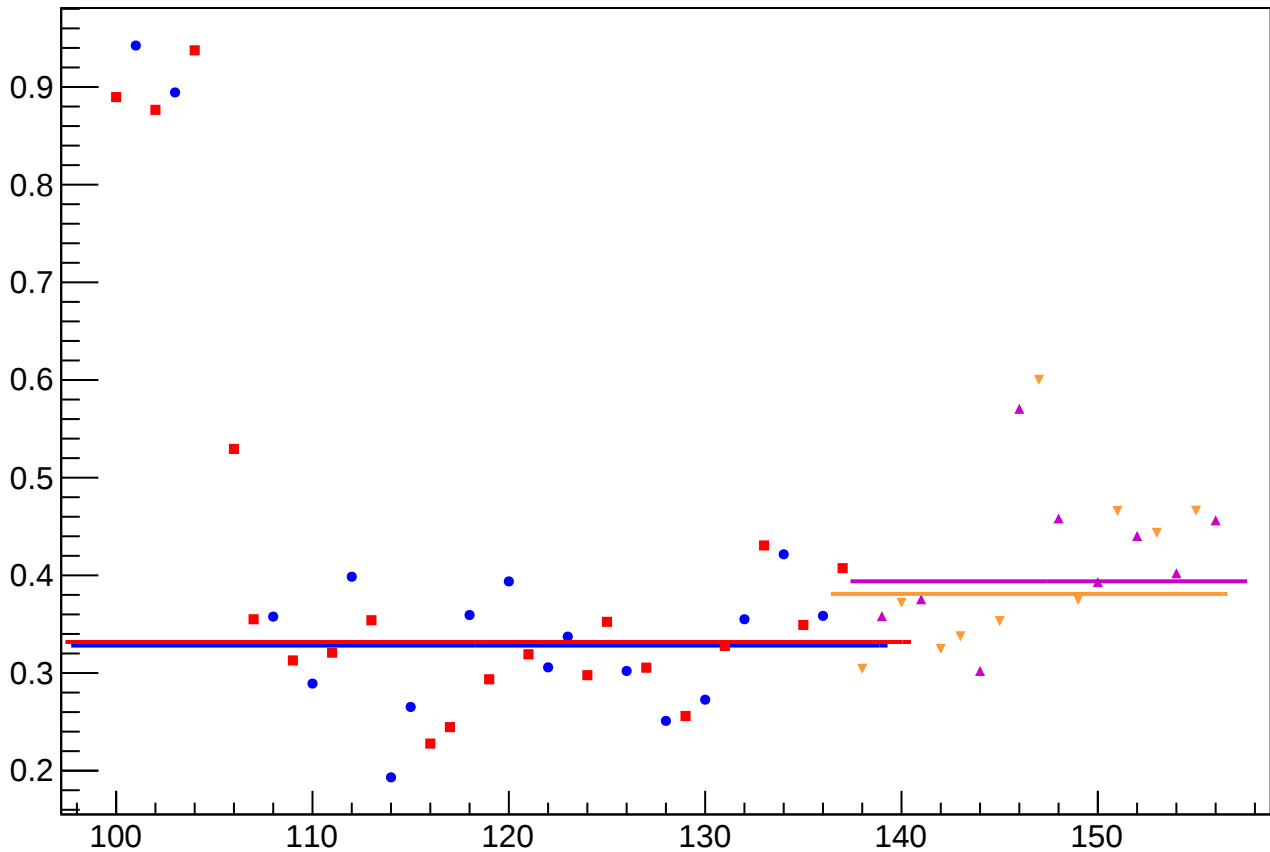
Right Out: 144.767 $\pm$ 0.000 χ^2 /NDF: 4097482970.1/19

Left In: 148.181 $\pm$ 0.000 χ^2 /NDF: 94269247.6/8

146.151 $\pm$ 0.000 χ^2 /NDF: 3815490492.3/26

146.316 $\pm$ 0.000 χ^2 /NDF: 4474077056.0/28

yield_bcm_dg_us_rms vs Slug



Right In: 0.328+/-0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.381+/-0.000 χ^2/NDF : 470999.0/9

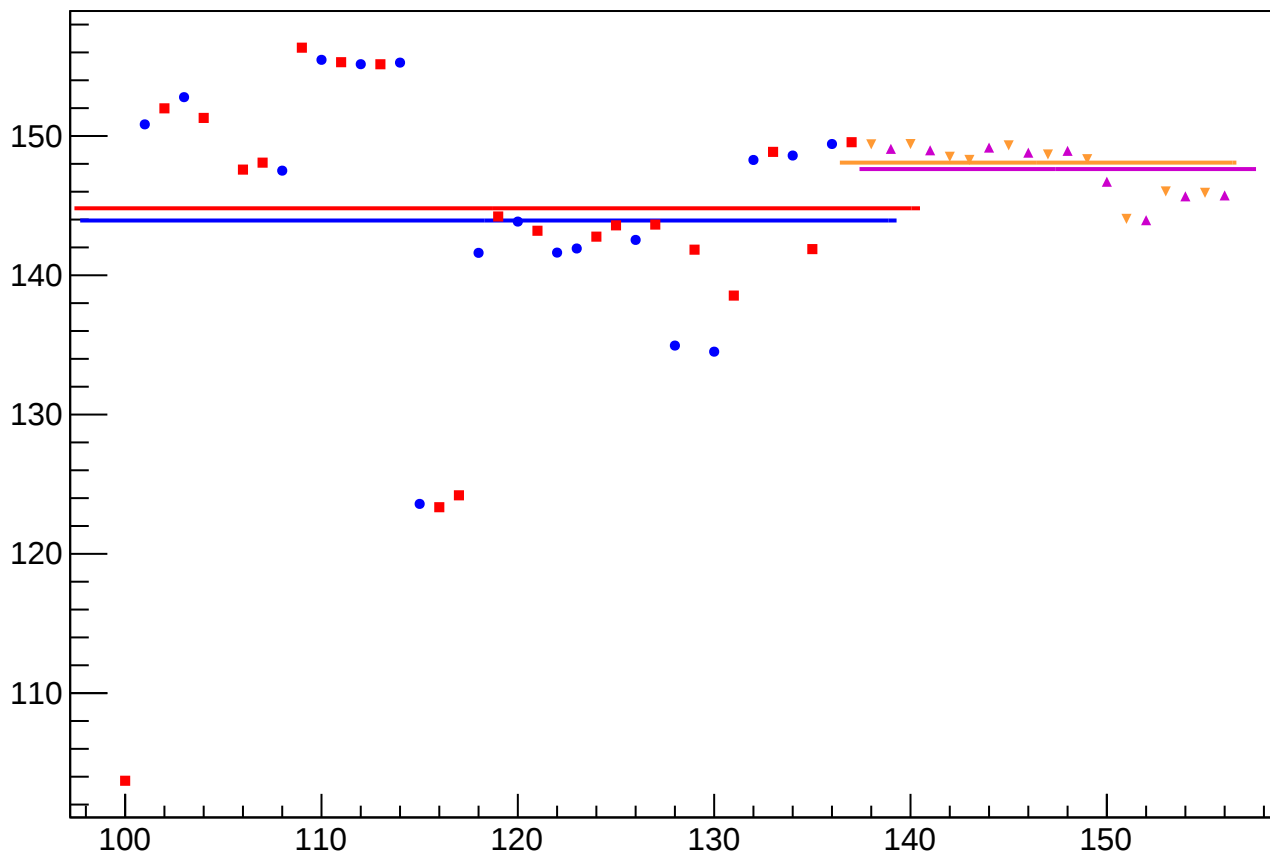
Right Out: 0.332+/-0.000 χ^2/NDF : 1194167.8/19

Left In: 0.394+/-0.000 χ^2/NDF : 396658.9/8

0.353+/-0.000 χ^2/NDF : 1873579.4/26

0.360+/-0.000 χ^2/NDF : 1777716.3/28

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 ± 0.000 χ^2/NDF : 3383012861.2/16

Left Out: 148.088 ± 0.000 χ^2/NDF : 122752708.8/9

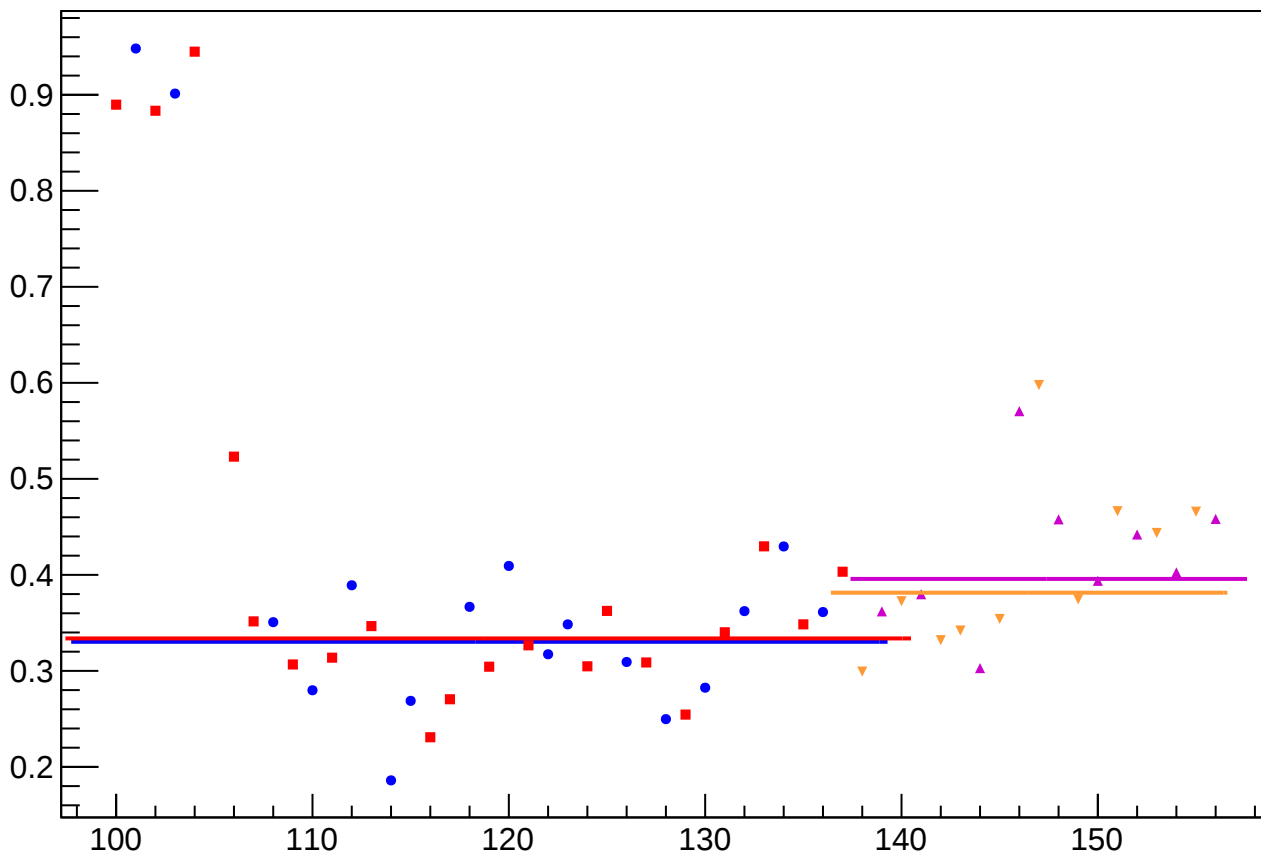
Right Out: 144.809 ± 0.000 χ^2/NDF : 4138041955.6/19

Left In: 147.625 ± 0.000 χ^2/NDF : 142156466.2/8

145.924 ± 0.000 χ^2/NDF : 3923353962.2/26

146.088 ± 0.000 χ^2/NDF : 4469947487.4/28

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 ± 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.381 ± 0.000 χ^2/NDF : 470730.2/9

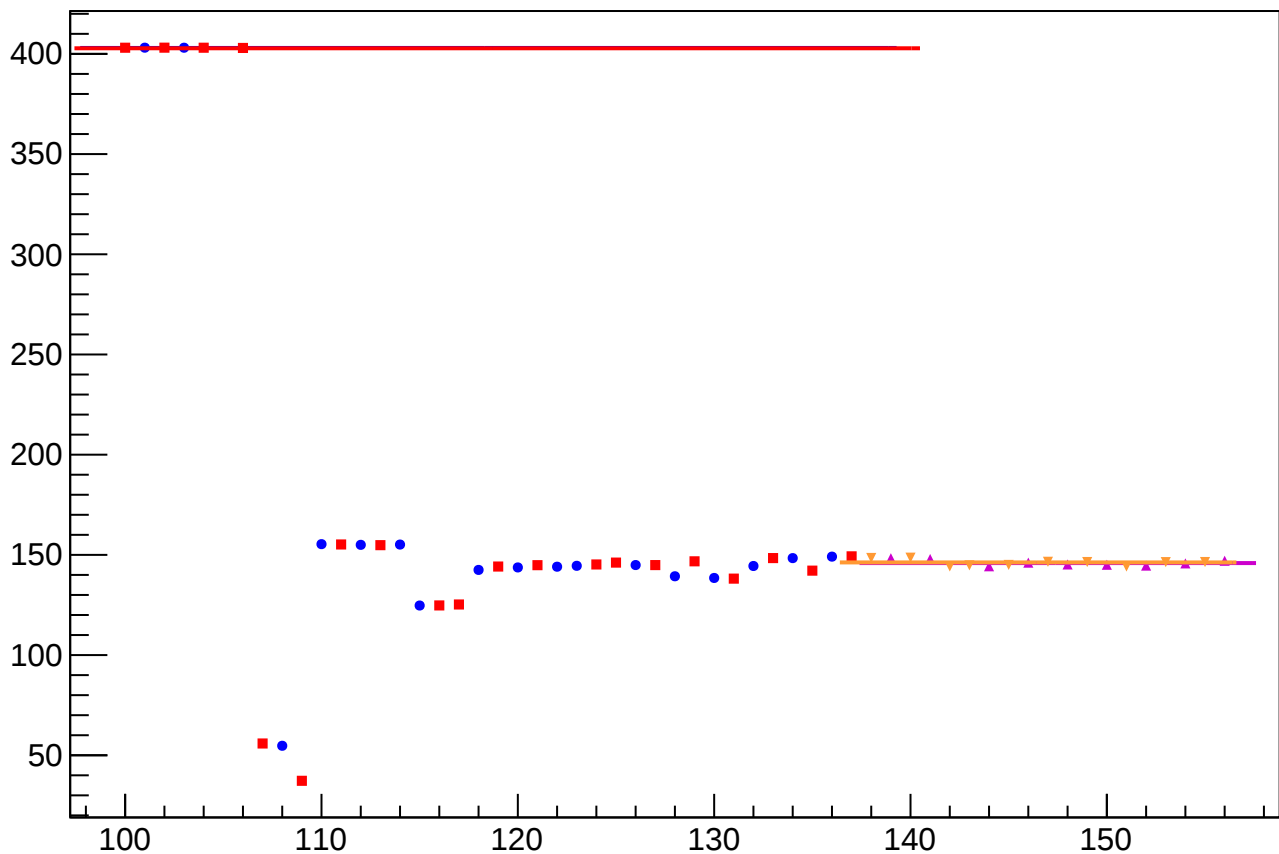
Right Out: 0.334 ± 0.000 χ^2/NDF : 1177889.1/19

Left In: 0.396 ± 0.000 χ^2/NDF : 389102.5/8

0.355 ± 0.000 χ^2/NDF : 1881066.7/26

0.362 ± 0.000 χ^2/NDF : 1750769.5/28

yield_cav4bQ_mean vs Slug



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 146.235+/-0.000 χ^2/NDF : 30441685.8/9

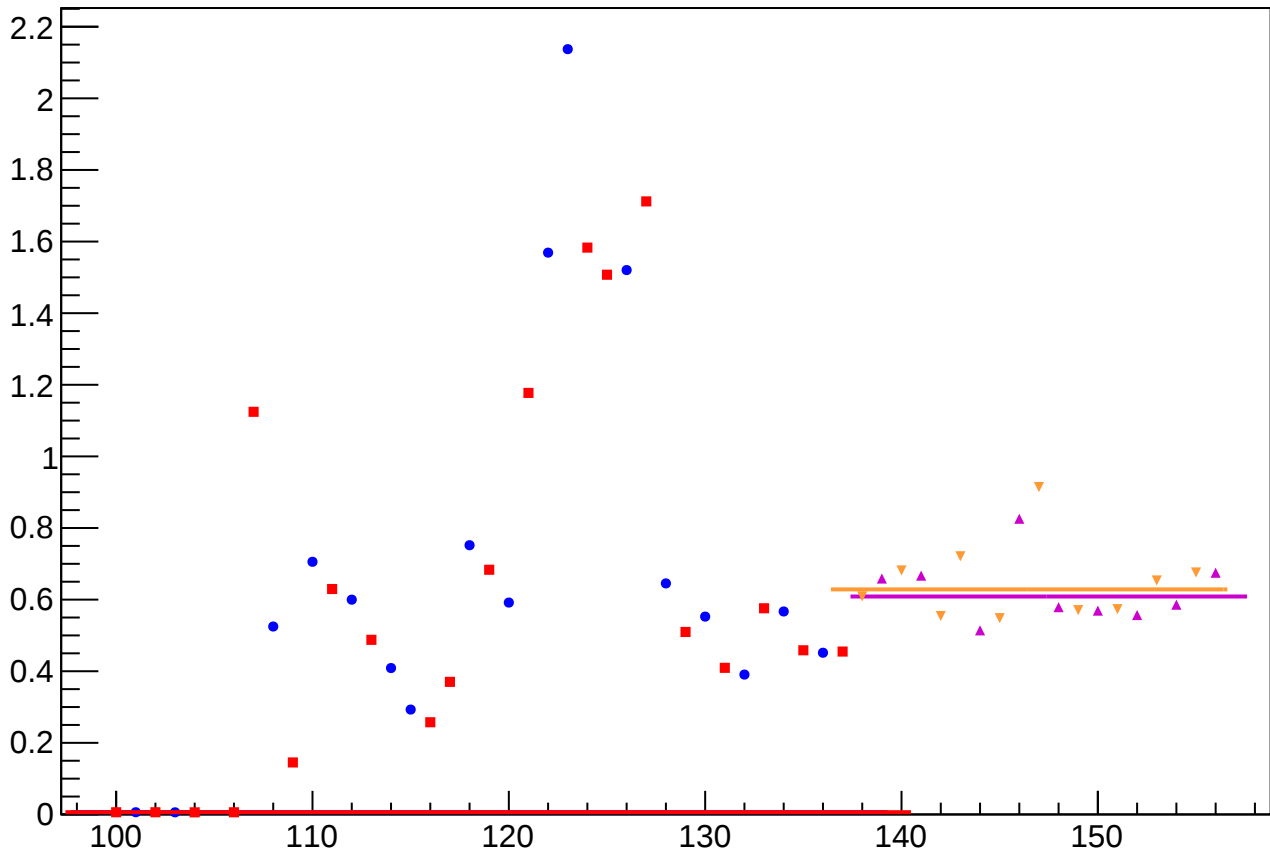
Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

Left In: 145.910+/-0.000 χ^2/NDF : 25305823.4/8

402.857+/-0.000 χ^2/NDF : 1895797360127.0/20

402.702+/-0.000 χ^2/NDF : 3983665243612.6/28

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.629+/-0.000 χ^2/NDF :175293.2/9

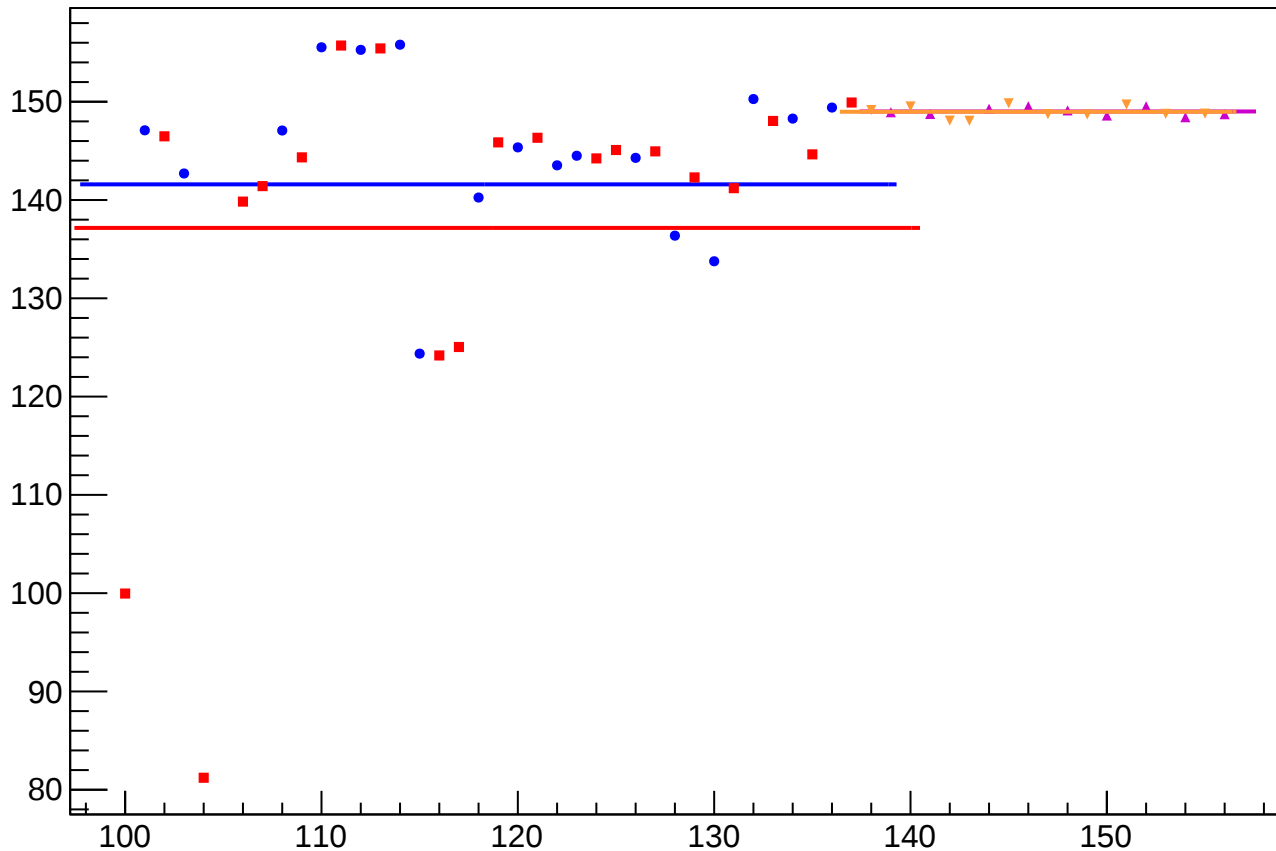
Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

Left In: 0.609+/-0.000 χ^2/NDF :152972.2/8

0.007+/-0.000 χ^2/NDF : 18670559.5/26

0.007+/-0.000 χ^2/NDF : 18899318.8/28

yield_cav4cQ_mean vs Slug



Right In: 141.593 ± 0.000 χ^2/NDF : 980101868.2/16

Left Out: 148.980 ± 0.000 χ^2/NDF : 8504536.5/9

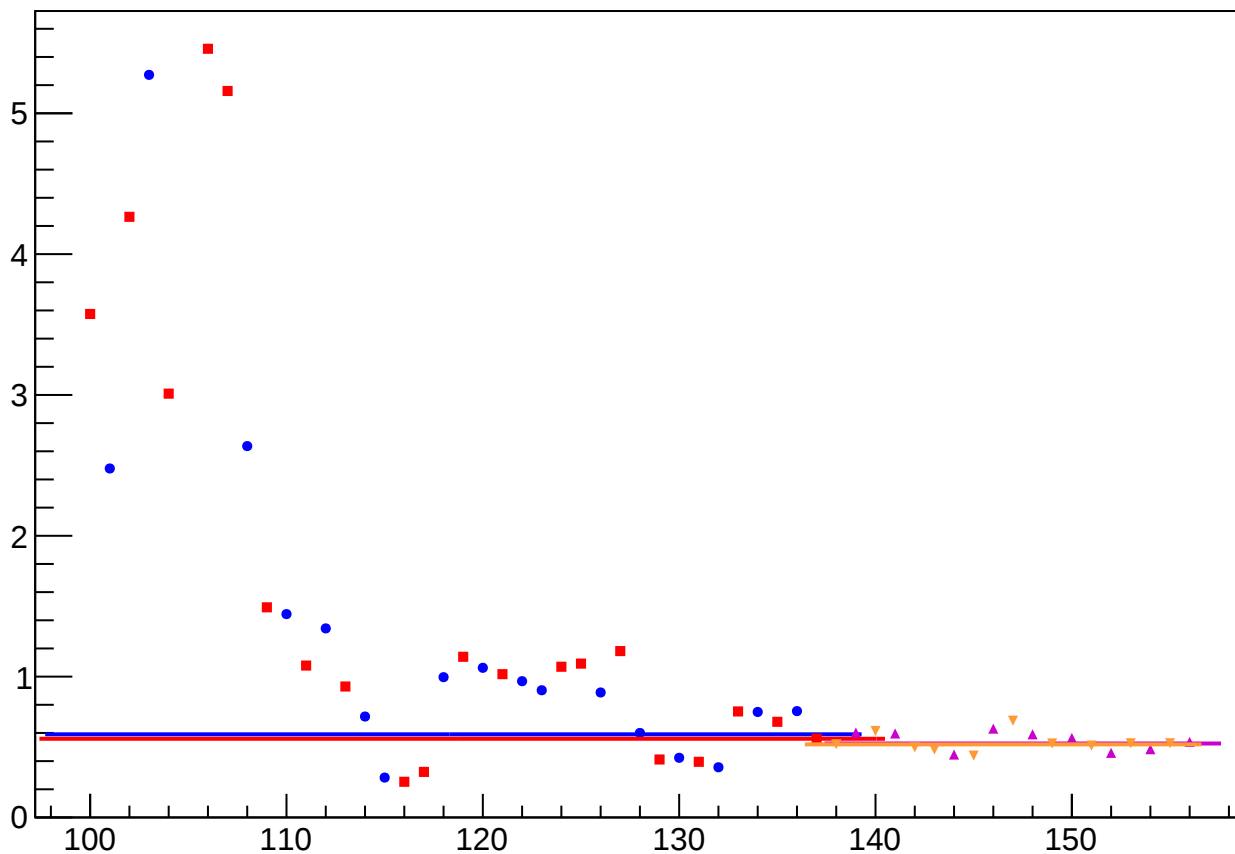
Right Out: 137.162 ± 0.000 χ^2/NDF : 1366089515.6/19

Left In: 149.009 ± 0.000 χ^2/NDF : 3822313.7/8

146.719 ± 0.000 χ^2/NDF : 1370832037.2/26

145.157 ± 0.000 χ^2/NDF : 2407325623.6/28

yield_cav4cQ_rms vs Slug



Right In: 0.590 ± 0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.519 ± 0.000 χ^2/NDF : 163834.6/9

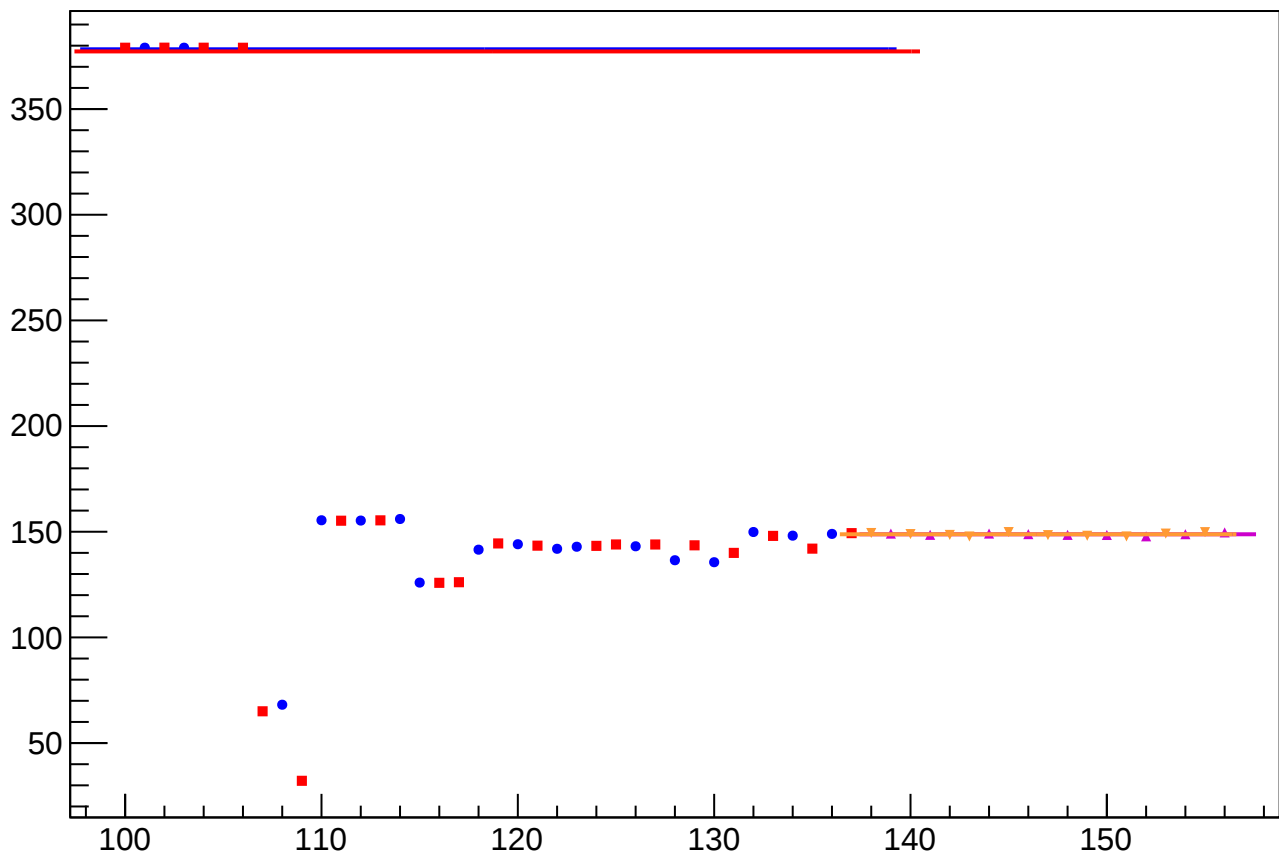
Right Out: 0.559 ± 0.000 χ^2/NDF : 4721291.1/19

Left In: 0.525 ± 0.000 χ^2/NDF : 189023.5/8

0.541 ± 0.000 χ^2/NDF : 3727396.1/26

0.536 ± 0.000 χ^2/NDF : 4927002.8/28

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.798+/-0.000 χ^2/NDF : 22771109.7/9

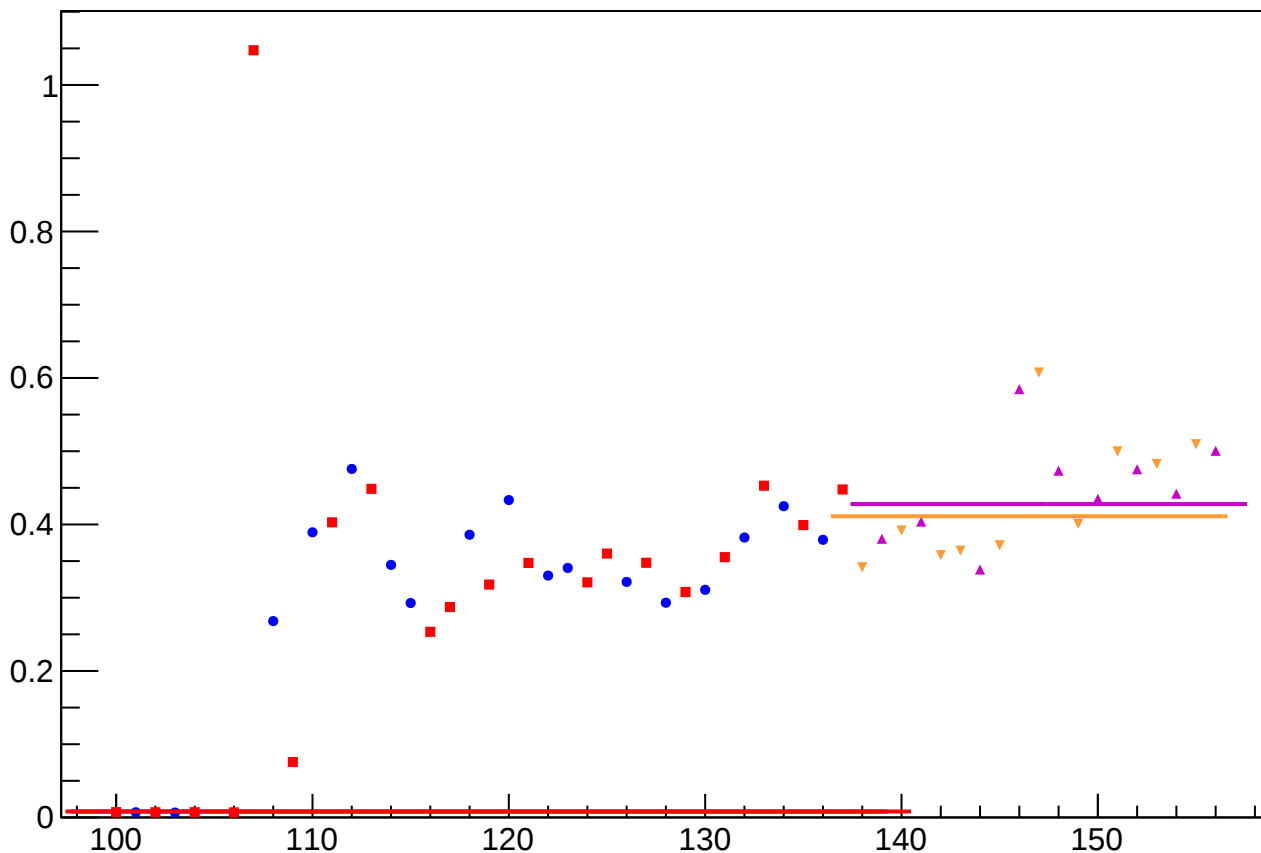
Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

Left In: 148.802+/-0.000 χ^2/NDF : 8022465.7/8

377.583+/-0.000 χ^2/NDF : 4645220218551.4/20

376.708+/-0.000 χ^2/NDF : 10297437087621.9/20

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.411+/-0.000 χ^2/NDF : 412769.1/9

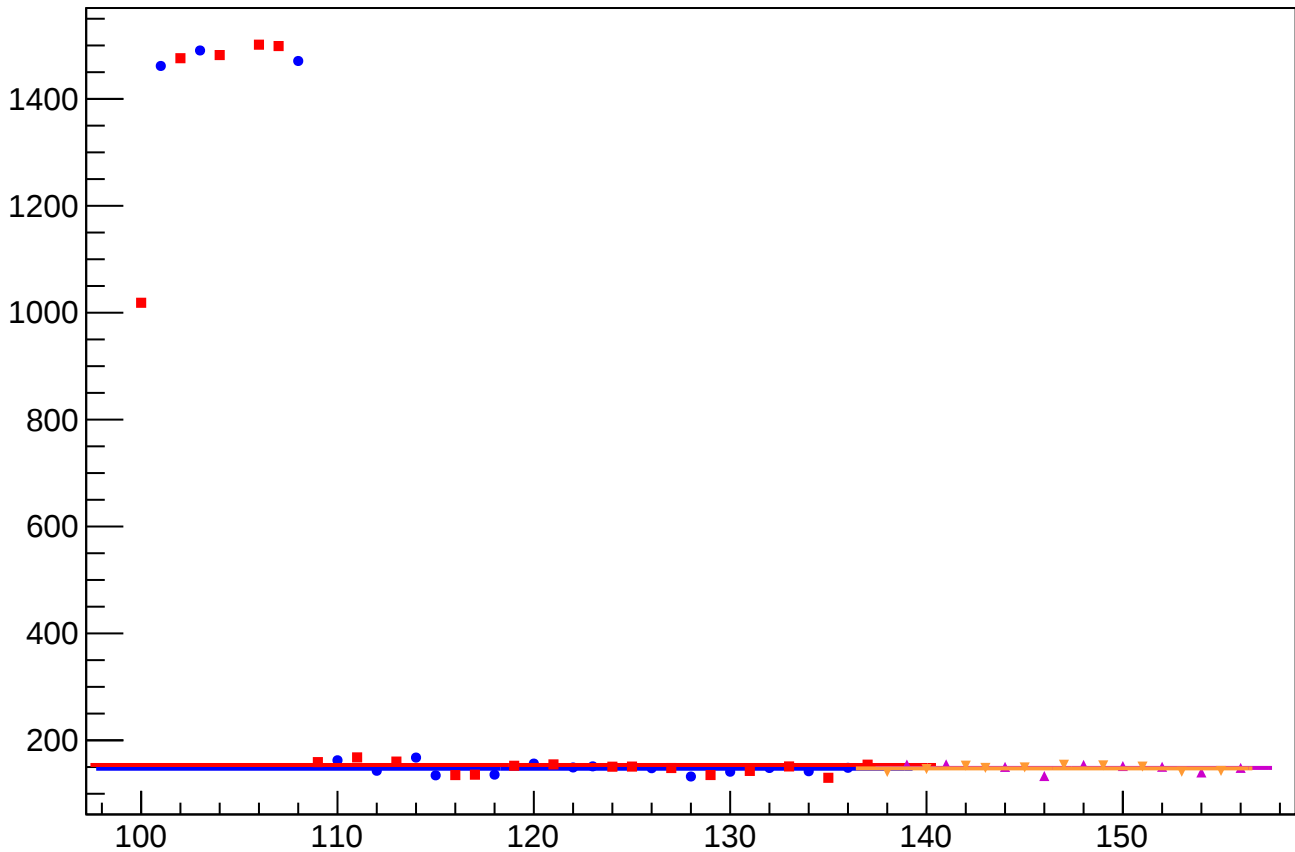
Right Out: 0.008+/-0.000 χ^2/NDF : 9589375.6/19

Left In: 0.428+/-0.000 χ^2/NDF : 323584.8/8

0.009+/-0.000 χ^2/NDF : 23406222.9/26

0.009+/-0.000 χ^2/NDF : 23304457.8/28

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 147.456+/-0.000 χ^2/NDF : 182552239.8/9

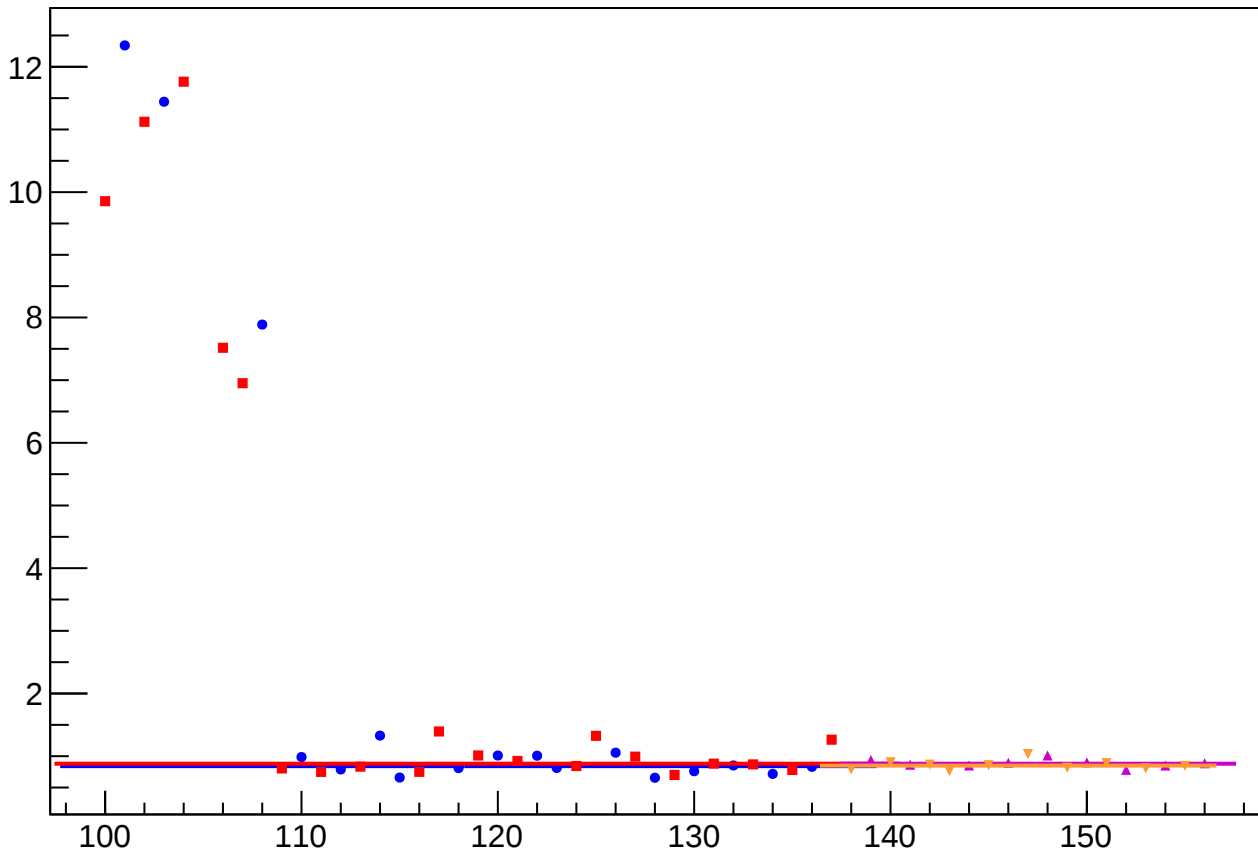
147.199+/-0.000 χ^2/NDF : 24544615956.5/26

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

150.606+/-0.000 χ^2/NDF : 34203611065.3/28

Left In: 148.348+/-0.000 χ^2/NDF : 365489036.4/8

yield_bcm0l02_rms vs Slug



Right In: 0.841+/-0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.849+/-0.000 χ^2/NDF : 74276.8/9

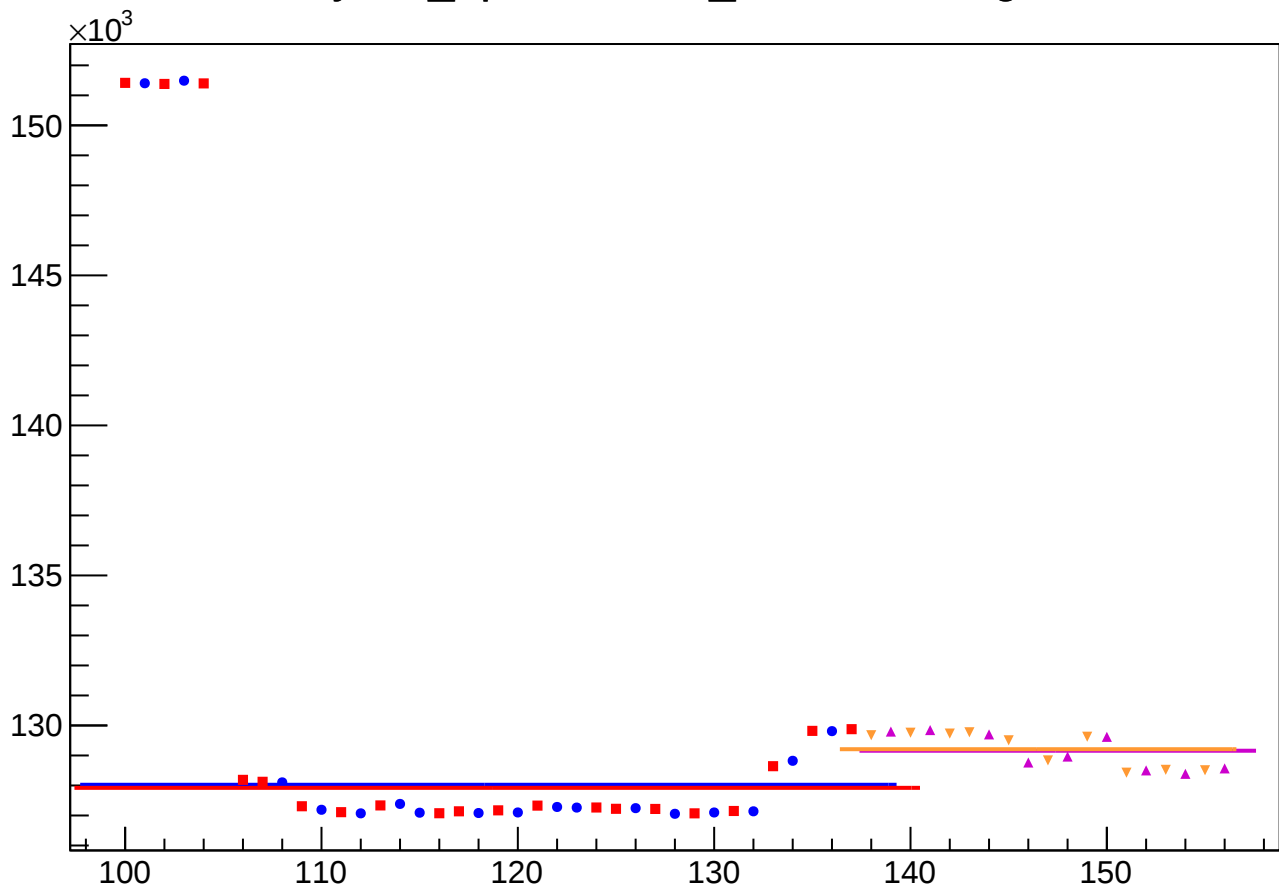
Right Out: 0.880+/-0.000 χ^2/NDF : 2825356.7/19

Left In: 0.880+/-0.000 χ^2/NDF : 54148.1/8

0.846+/-0.000 χ^2/NDF : 2737095.1/26

0.880+/-0.000 χ^2/NDF : 2879505.4/28

yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129208.692 $\pm$ 0.063 χ^2 /NDF: 79213676.5/9

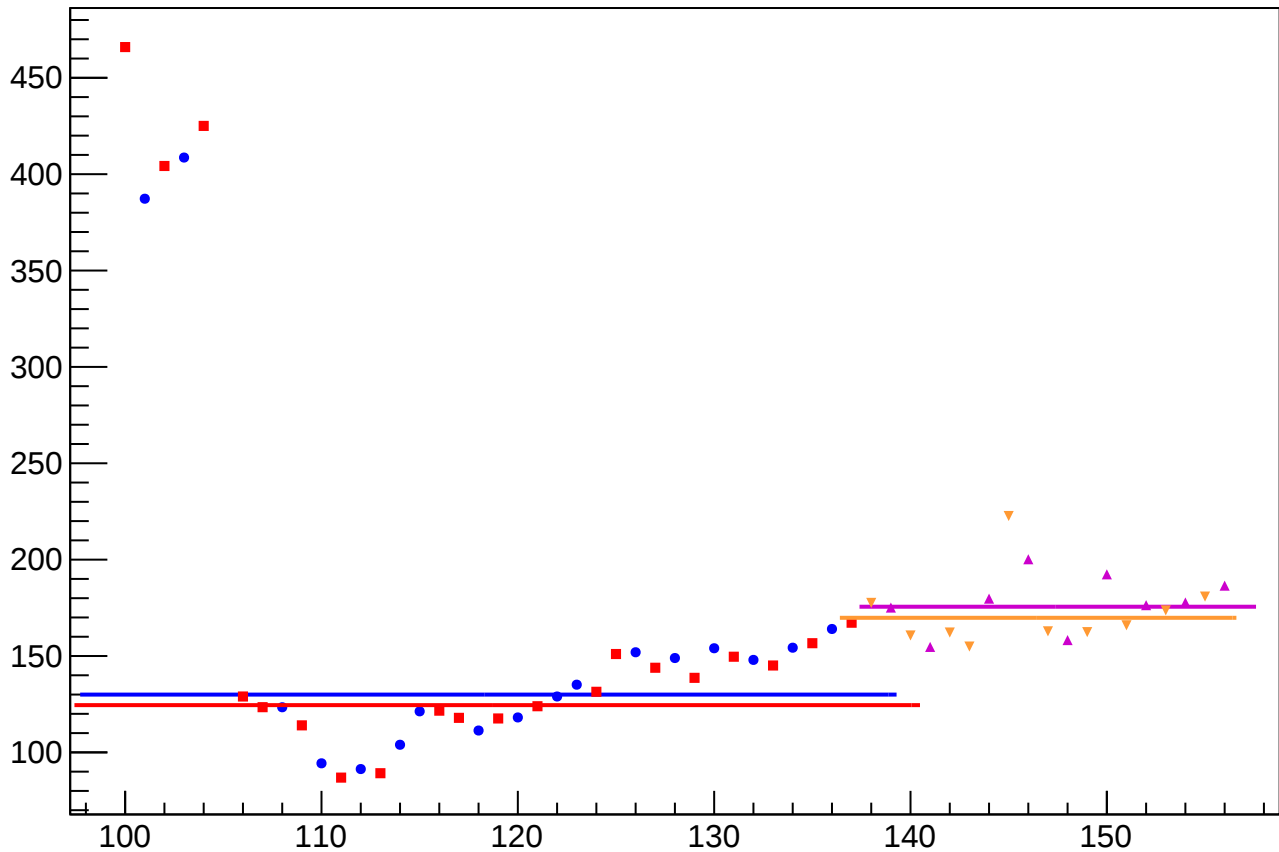
Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

Left In: 129158.136 $\pm$ 0.065 χ^2 /NDF: 77453967.9/8

128528.202 $\pm$ 0.041 χ^2 /NDF: 4596842051.2/26

128379.542 $\pm$ 0.040 χ^2 /NDF: 4071544848.4/28

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 ± 0.039 χ^2/NDF : 1485519.5/16

Left Out: 169.827 ± 0.045 χ^2/NDF : 121379.6/9

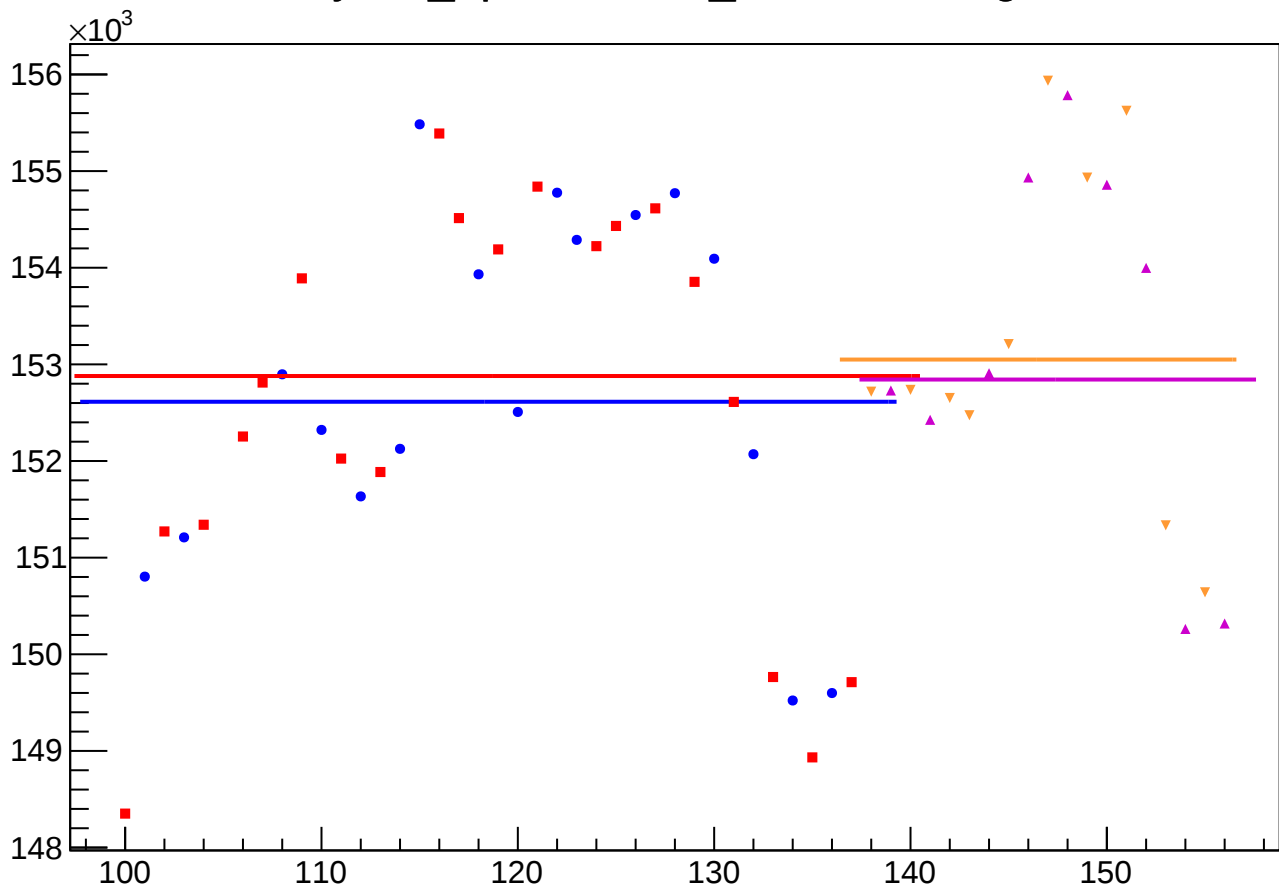
Right Out: 124.514 ± 0.035 χ^2/NDF : 1531546.7/19

Left In: 175.572 ± 0.046 χ^2/NDF : 92843.7/8

146.948 ± 0.029 χ^2/NDF : 2061526.0/26

143.431 ± 0.028 χ^2/NDF : 2391681.8/28

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 153049.862 $\pm$ 0.071 χ^2 /NDF: 490003303.5/9

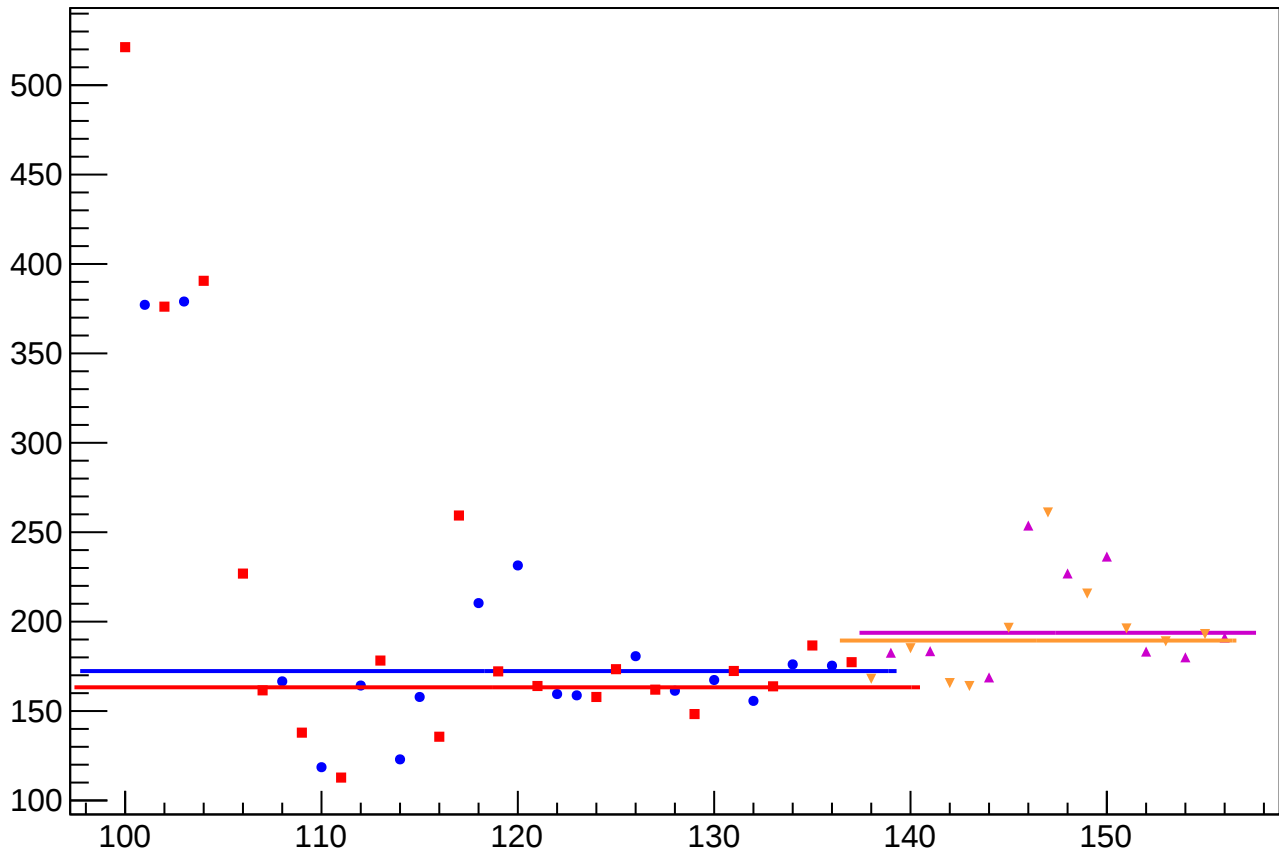
Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

Left In: 152842.961 $\pm$ 0.073 χ^2 /NDF: 585686309.4/8

152834.919 $\pm$ 0.051 χ^2 /NDF: 1131907866.7/26

152862.950 $\pm$ 0.049 χ^2 /NDF: 1303731282.3/28

yield_bpm0i07WS_rms vs Slug



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 189.424+/-0.050 χ^2/NDF : 217365.5/9

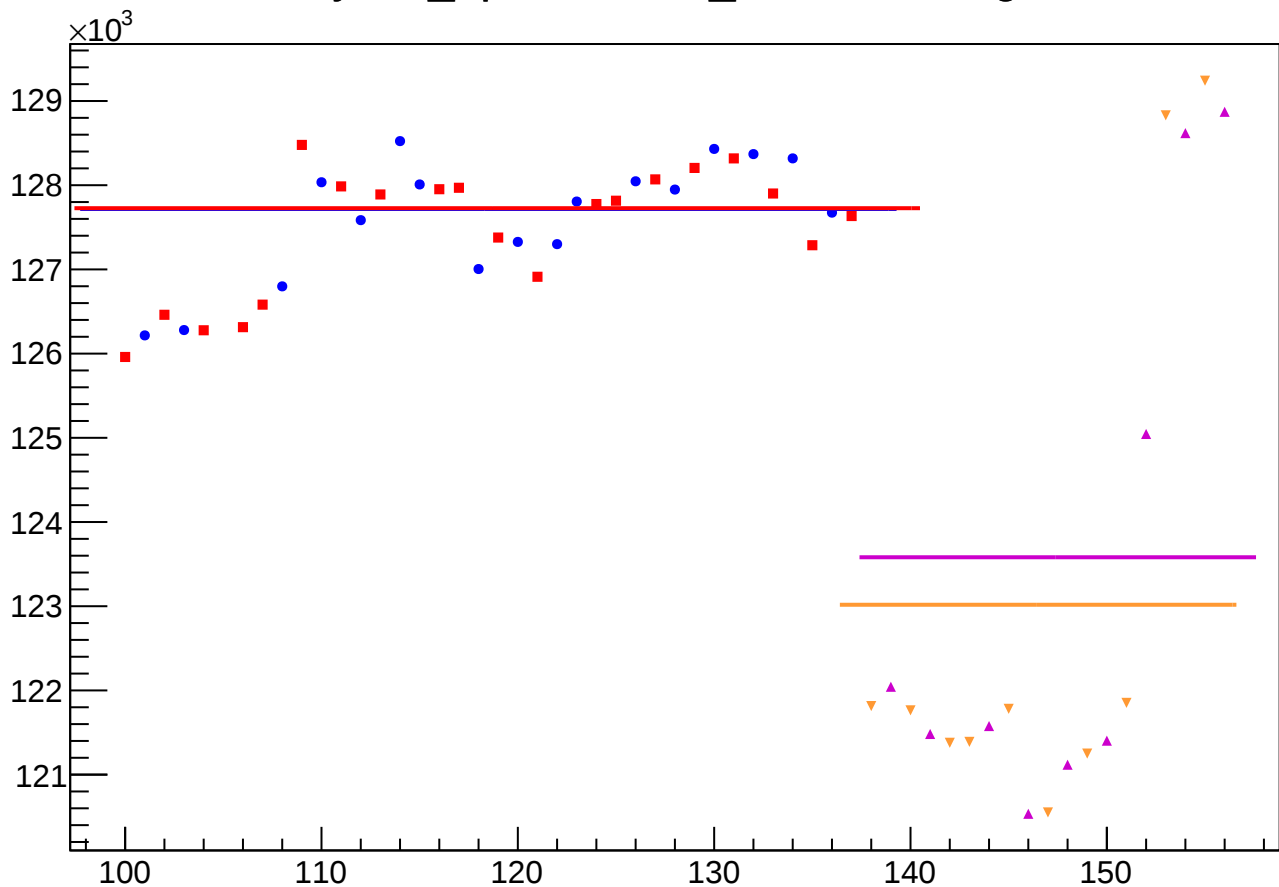
Right Out: 163.273+/-0.047 χ^2/NDF : 1043440.1/19

Left In: 193.758+/-0.051 χ^2/NDF : 239673.1/8

181.022+/-0.036 χ^2/NDF : 1195968.3/26

177.060+/-0.035 χ^2/NDF : 1475431.6/28

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 123017.382 $\pm$ 0.062 χ^2 /NDF: 2340980886.1/9

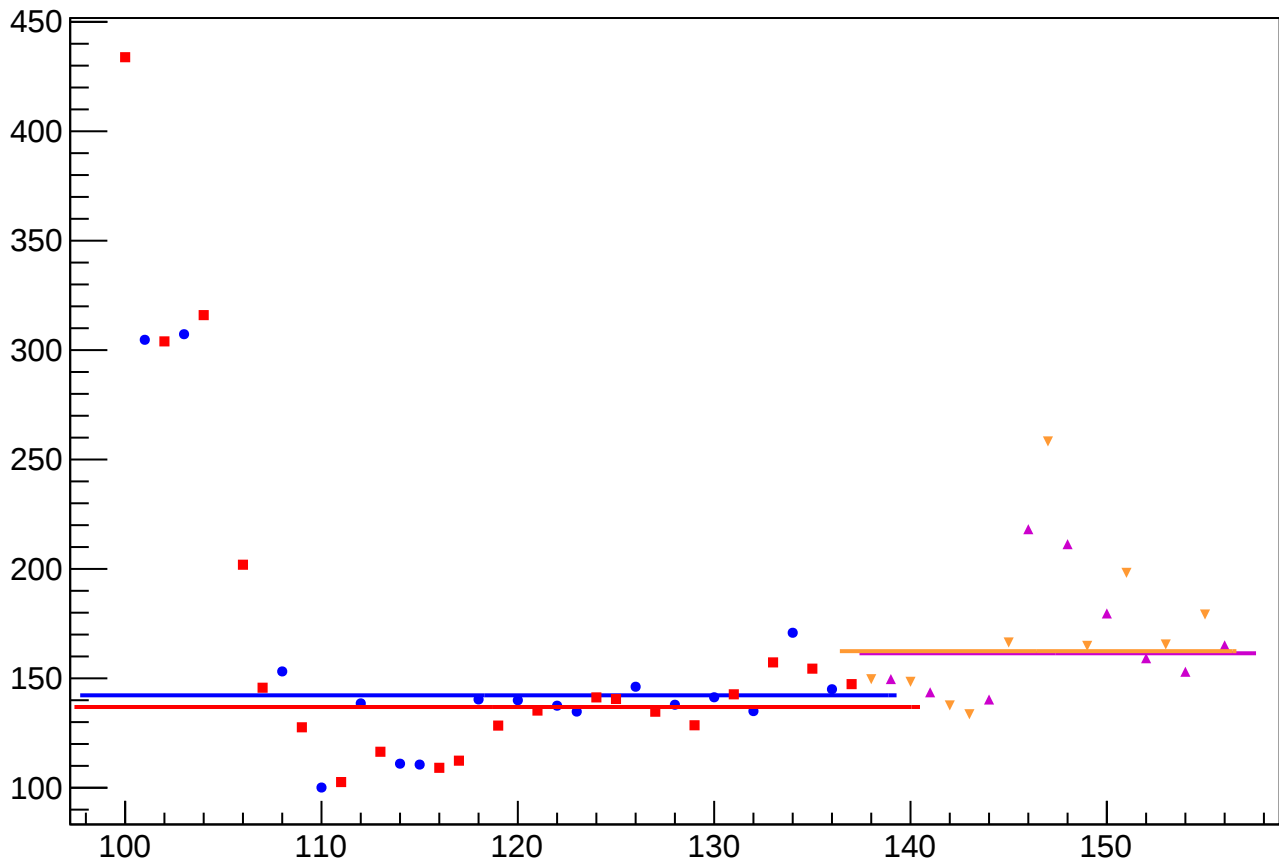
Right Out: 127726.969 $\pm$ 0.054 χ^2 /NDF: 112752557.5/19

Left In: 123581.442 $\pm$ 0.061 χ^2 /NDF: 2527463212.6/8

125506.213 $\pm$ 0.042 χ^2 /NDF: 5496423910.0/20

125897.793 $\pm$ 0.041 χ^2 /NDF: 5216871916.3/28

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 162.421 $\pm$ 0.044 χ^2 /NDF: 387619.6/9

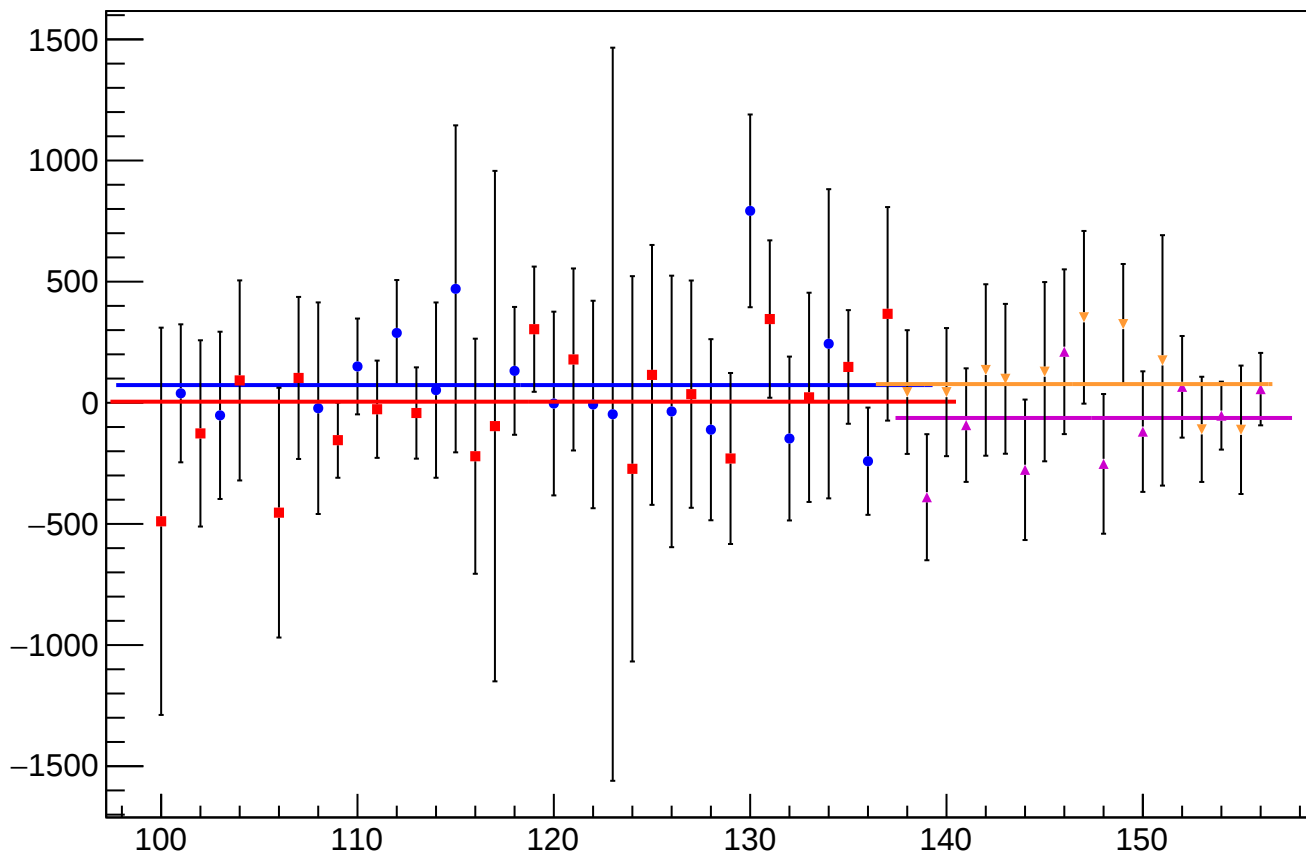
Right Out: 136.904 $\pm$ 0.038 χ^2 /NDF: 961858.5/19

Left In: 161.455 $\pm$ 0.043 χ^2 /NDF: 286674.0/8

151.736 $\pm$ 0.030 χ^2 /NDF: 1336856.6/26

147.737 $\pm$ 0.029 χ^2 /NDF: 1429281.1/28

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 77.213+/-91.781 χ^2/NDF : 3.0/9

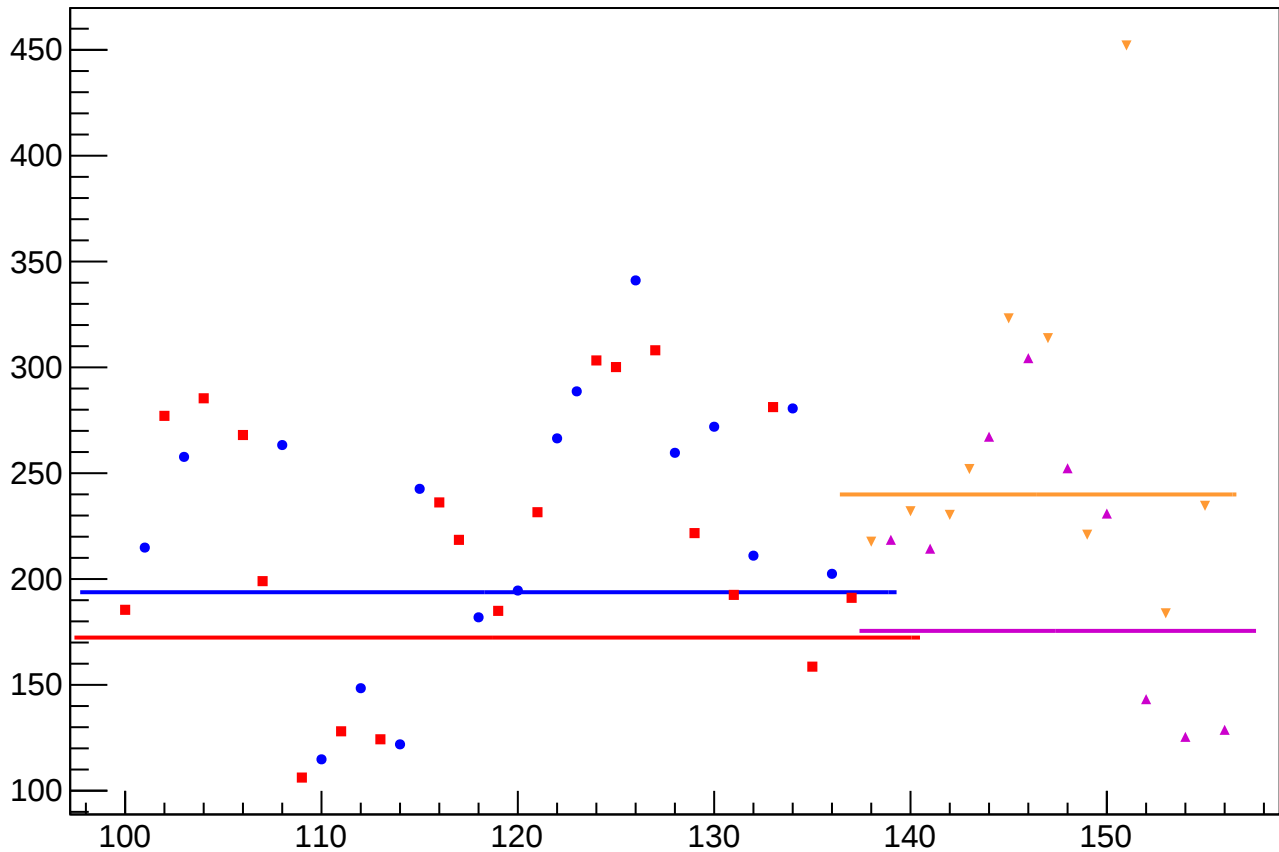
Right Out: 4.574+/-69.944 χ^2/NDF : 7.1/19

Left In: -62.637+/-70.708 χ^2/NDF : 4.3/8

74.871+/-60.136 χ^2/NDF : 10.8/26

-28.666+/-49.726 χ^2/NDF : 11.8/28

asym_bcm_an_ds_rms vs Slug



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 239.959+/-0.065 χ^2/NDF : 691886.2/9

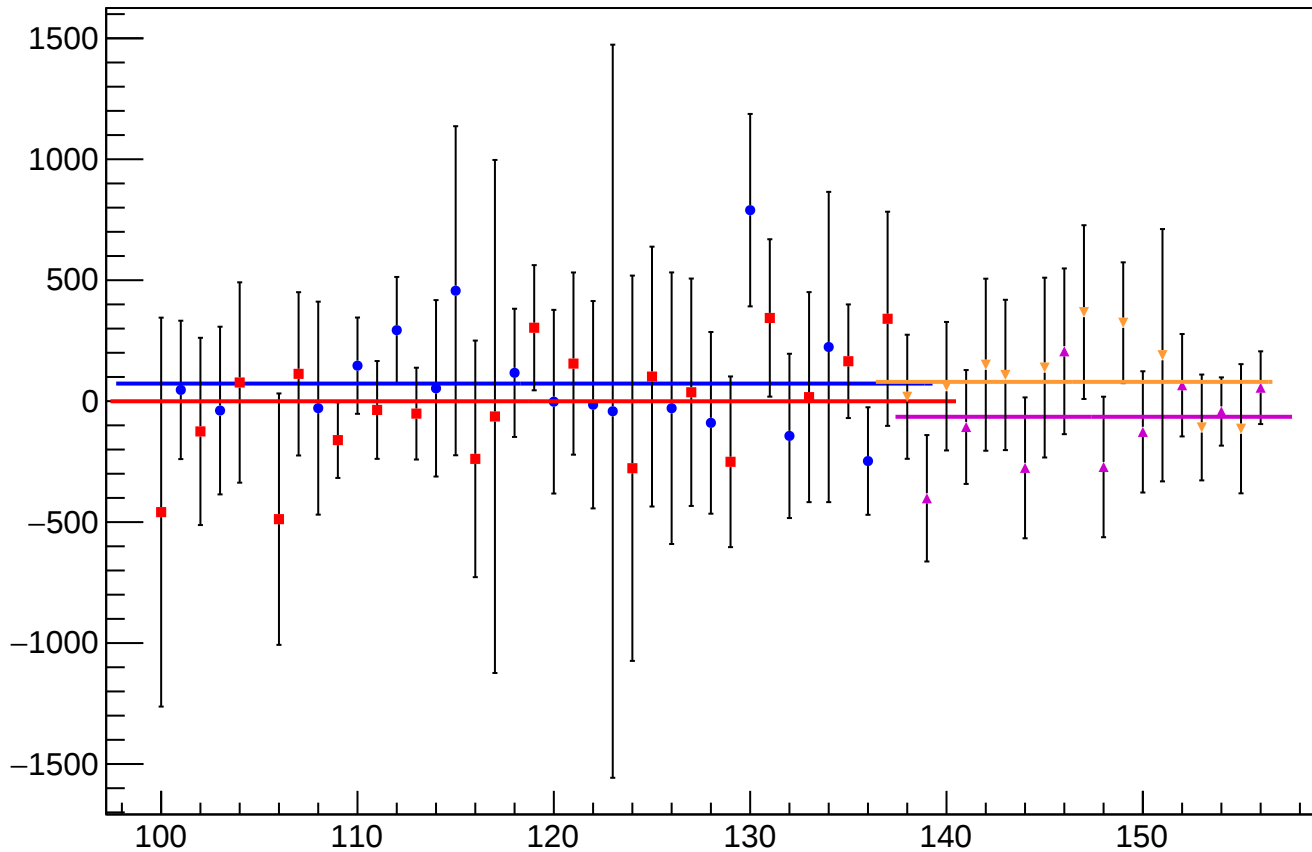
213.600+/-0.043 χ^2/NDF : 1998000.4/26

Right Out: 172.346+/-0.049 χ^2/NDF : 1583893.0/19

173.909+/-0.035 χ^2/NDF : 2921836.0/28

Left In: 175.507+/-0.050 χ^2/NDF : 1335923.3/8

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 79.749+/-92.344 χ^2/NDF : 3.1/9

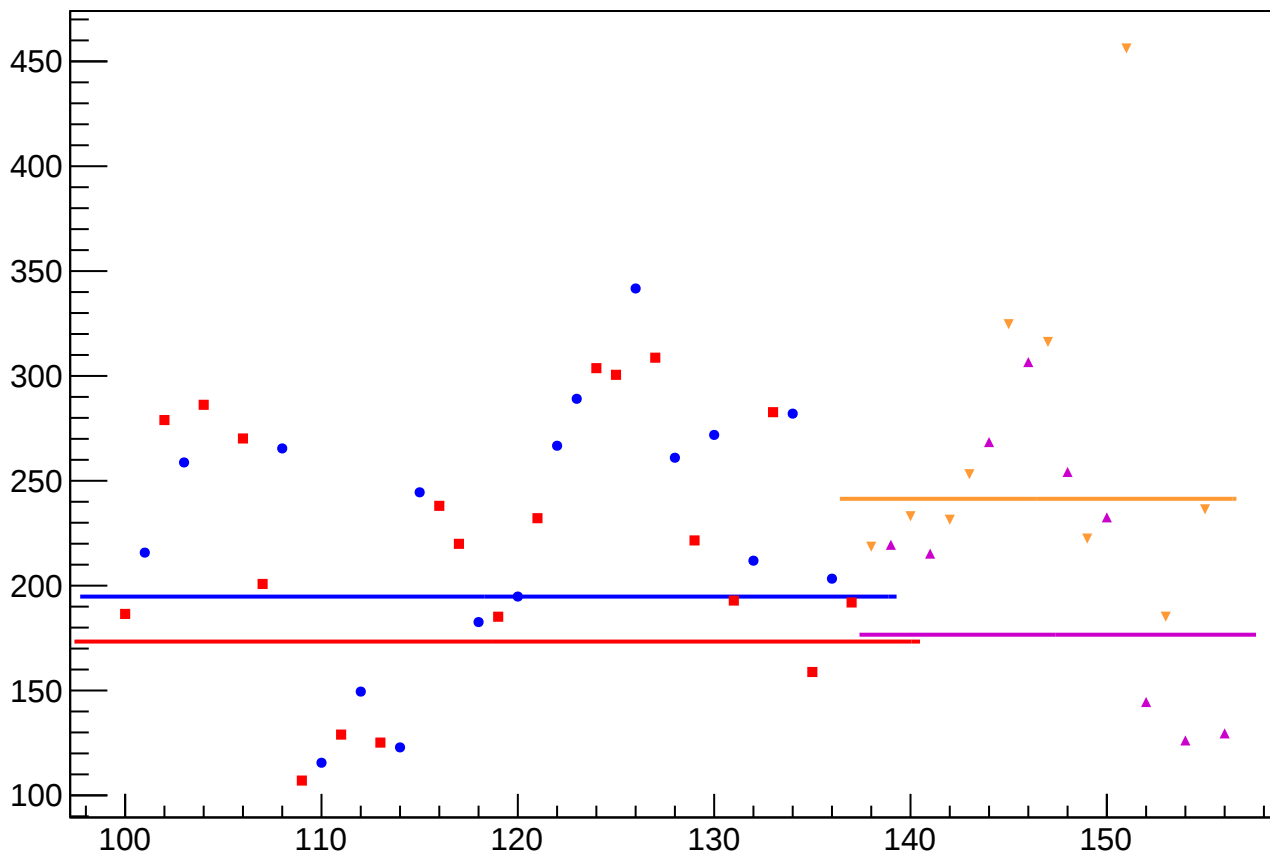
Right Out: -0.459+/-70.312 χ^2/NDF : 7.3/19

Left In: -64.615+/-71.151 χ^2/NDF : 4.5/8

75.708+/-60.462 χ^2/NDF : 10.8/26

-32.156+/-50.012 χ^2/NDF : 12.2/28

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782+/-0.057 χ^2/NDF : 1008292.8/16

Left Out: 241.416+/-0.065 χ^2/NDF :692819.1/9

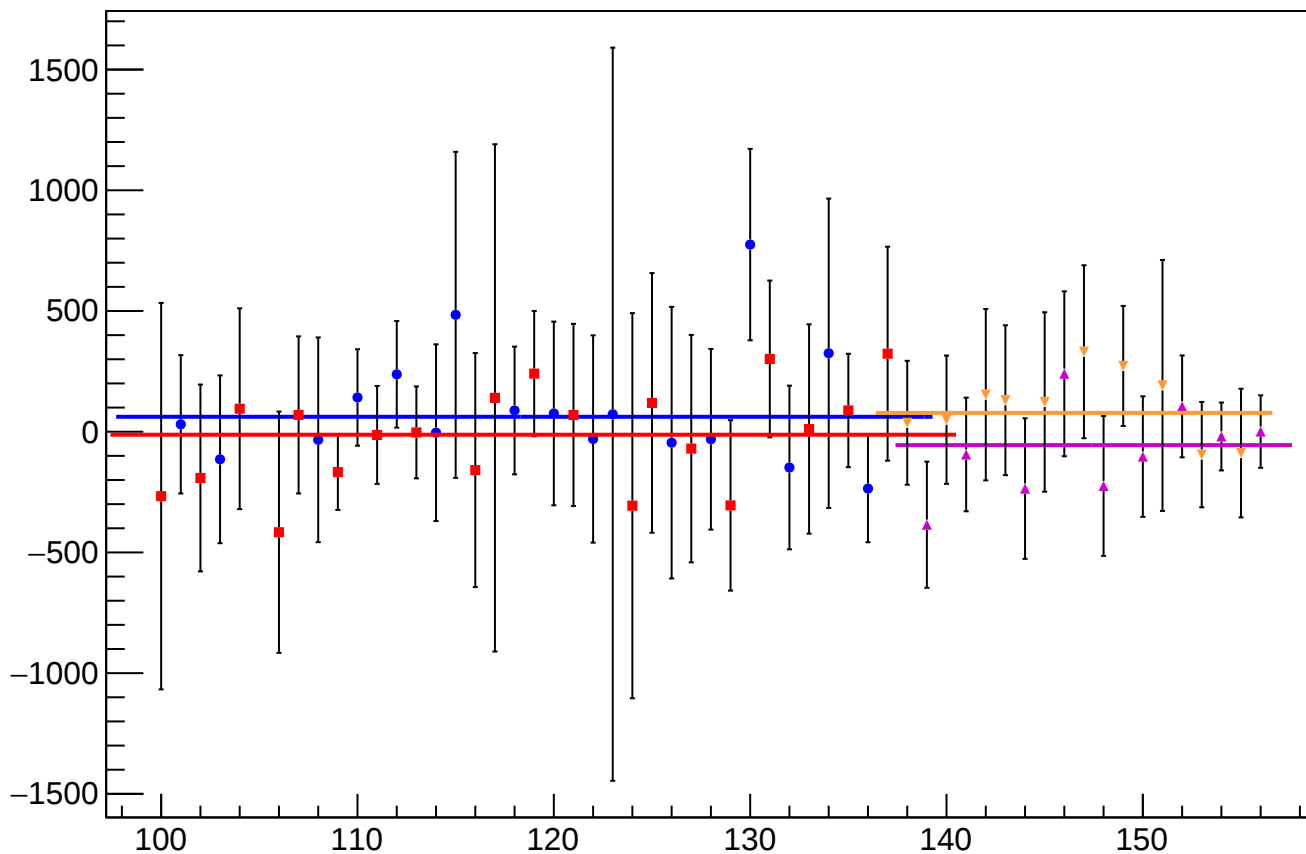
Right Out: 173.337+/-0.050 χ^2/NDF : 1571436.7/19

Left In: 176.605+/-0.050 χ^2/NDF :1334519.0/8

214.774+/-0.043 χ^2/NDF : 1992511.7/26

174.952+/-0.035 χ^2/NDF : 2908089.8/28

asym_bcm_an_us_mean vs Slug



Right In: 61.814+/-79.986 χ^2/NDF : 7.3/16

Left Out: 78.052+/-92.187 χ^2/NDF : 2.3/9

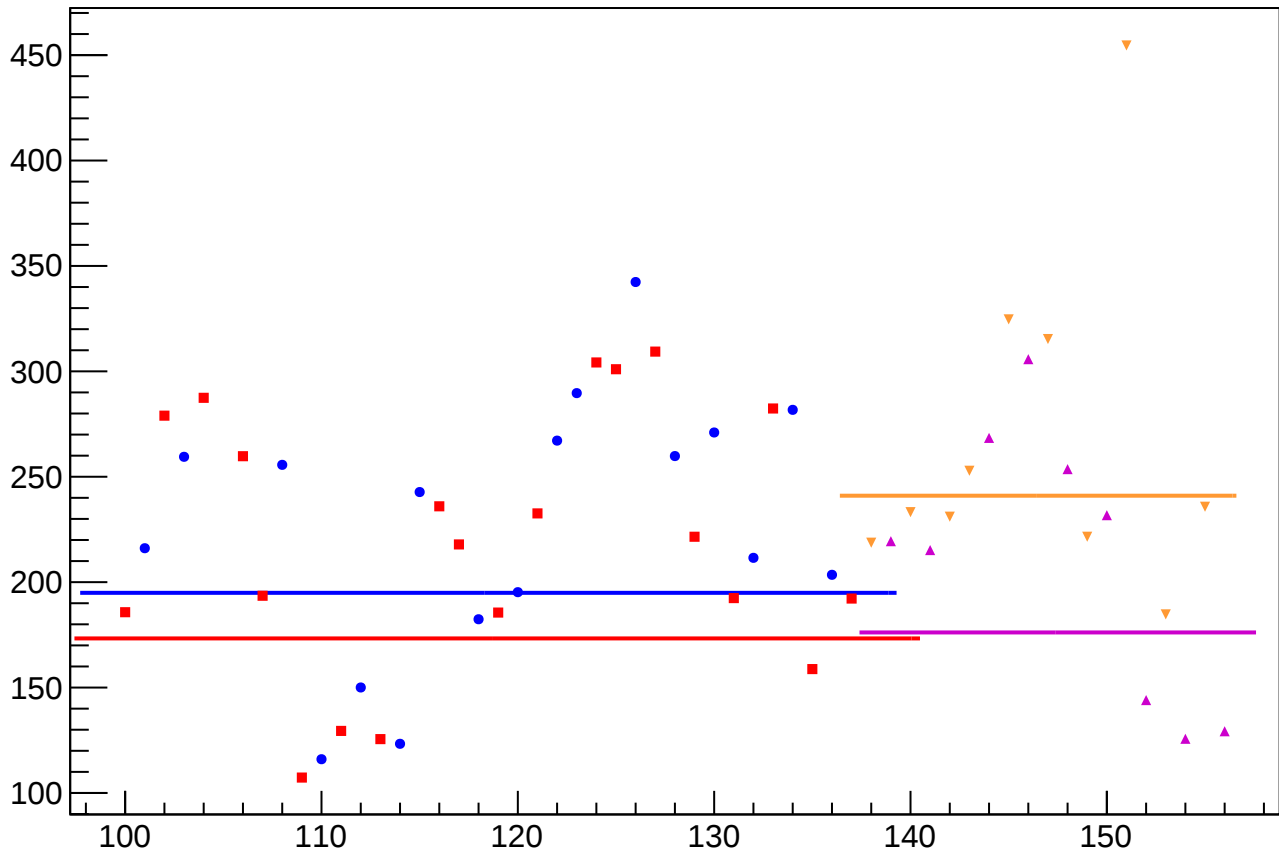
Right Out: -12.417+/-70.233 χ^2/NDF : 5.8/19

Left In: -55.488+/-70.980 χ^2/NDF : 3.9/8

68.788+/-60.415 χ^2/NDF : 9.6/26

-33.725+/-49.924 χ^2/NDF : 9.9/28

asym_bcm_an_us_rms vs Slug



Right In: 194.939+/-0.057 χ^2/NDF : 986629.1/16

Left Out: 241.011+/-0.065 χ^2/NDF : 692685.4/9

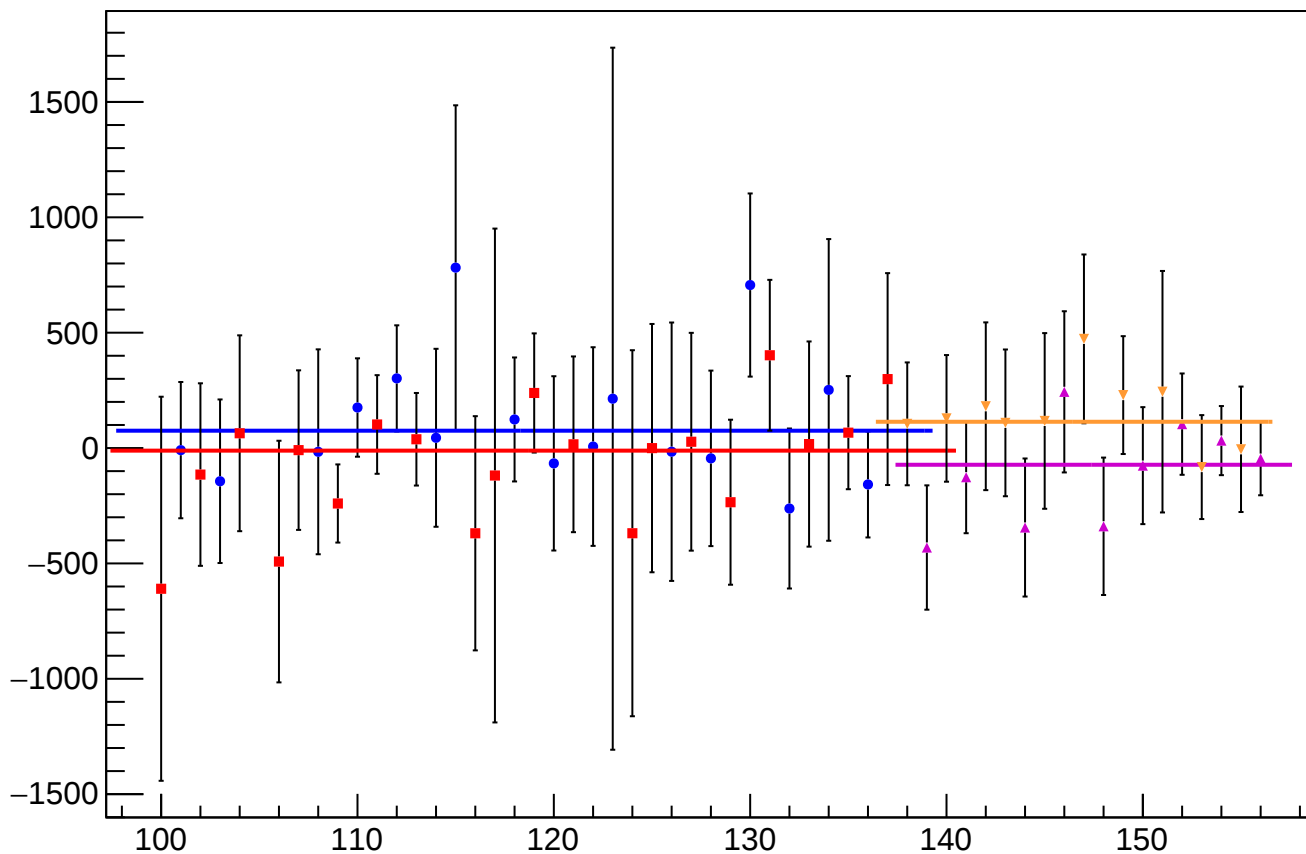
214.726+/-0.043 χ^2/NDF : 1964306.5/26

Right Out: 173.309+/-0.050 χ^2/NDF : 1548342.3/19

174.712+/-0.035 χ^2/NDF : 2889956.1/28

Left In: 176.145+/-0.050 χ^2/NDF : 1340001.1/8

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 113.922 $\pm$ 94.727 χ^2 /NDF: 2.2/9

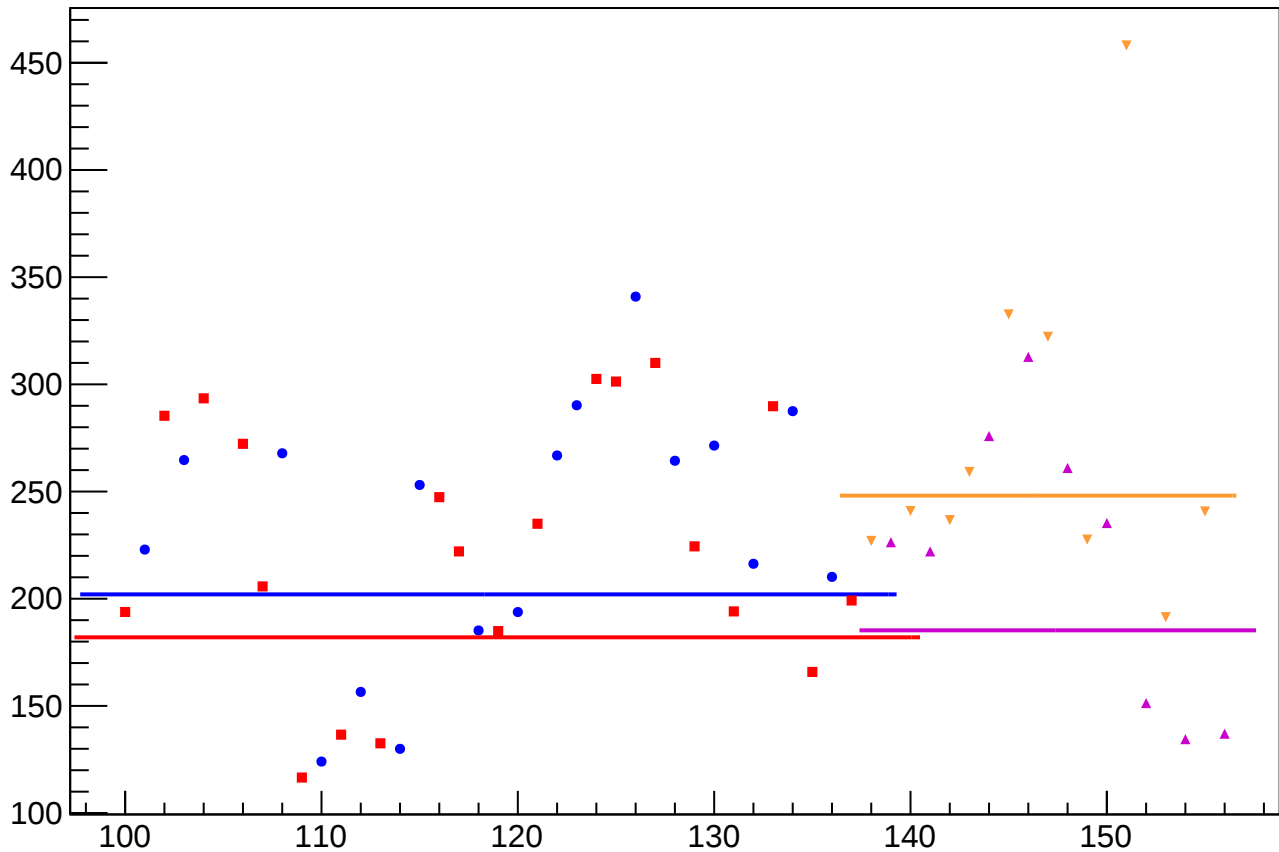
Right Out: -11.180 $\pm$ 73.166 χ^2 /NDF: 7.8/19

Left In: -72.416 $\pm$ 74.123 χ^2 /NDF: 5.4/8

91.907 $\pm$ 62.215 χ^2 /NDF: 9.9/26

-41.400 $\pm$ 52.071 χ^2 /NDF: 13.6/28

asym_bcm_dg_us_rms vs Slug



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 248.104+/-0.067 χ^2/NDF : 662180.0/9

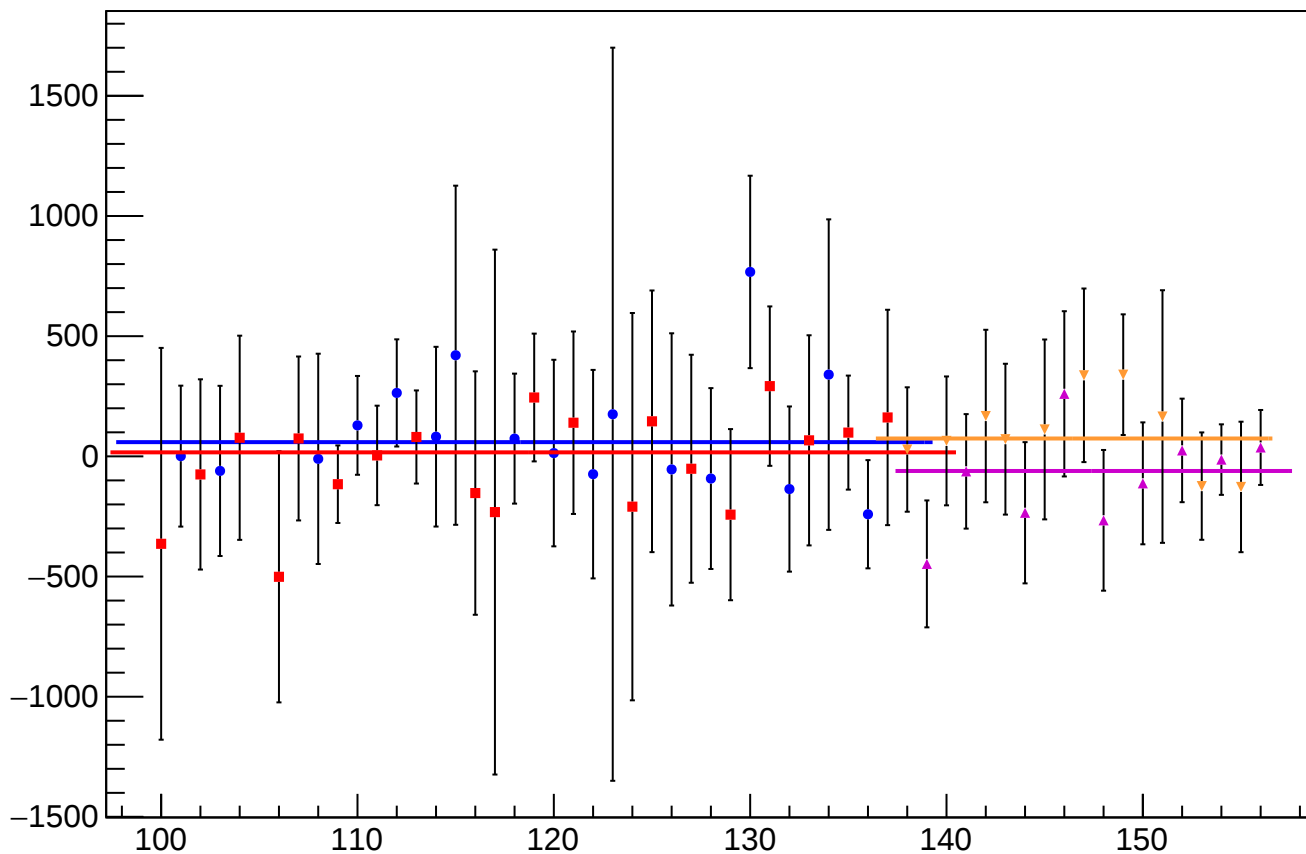
221.904+/-0.044 χ^2/NDF : 1812840.7/26

Right Out: 182.000+/-0.052 χ^2/NDF : 1380354.3/19

183.606+/-0.037 χ^2/NDF : 2594808.6/28

Left In: 185.255+/-0.052 χ^2/NDF : 1212500.0/8

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175 ± 81.417 χ^2/NDF : 7.1/16

Left Out: 74.309 ± 93.380 χ^2/NDF : 3.1/9

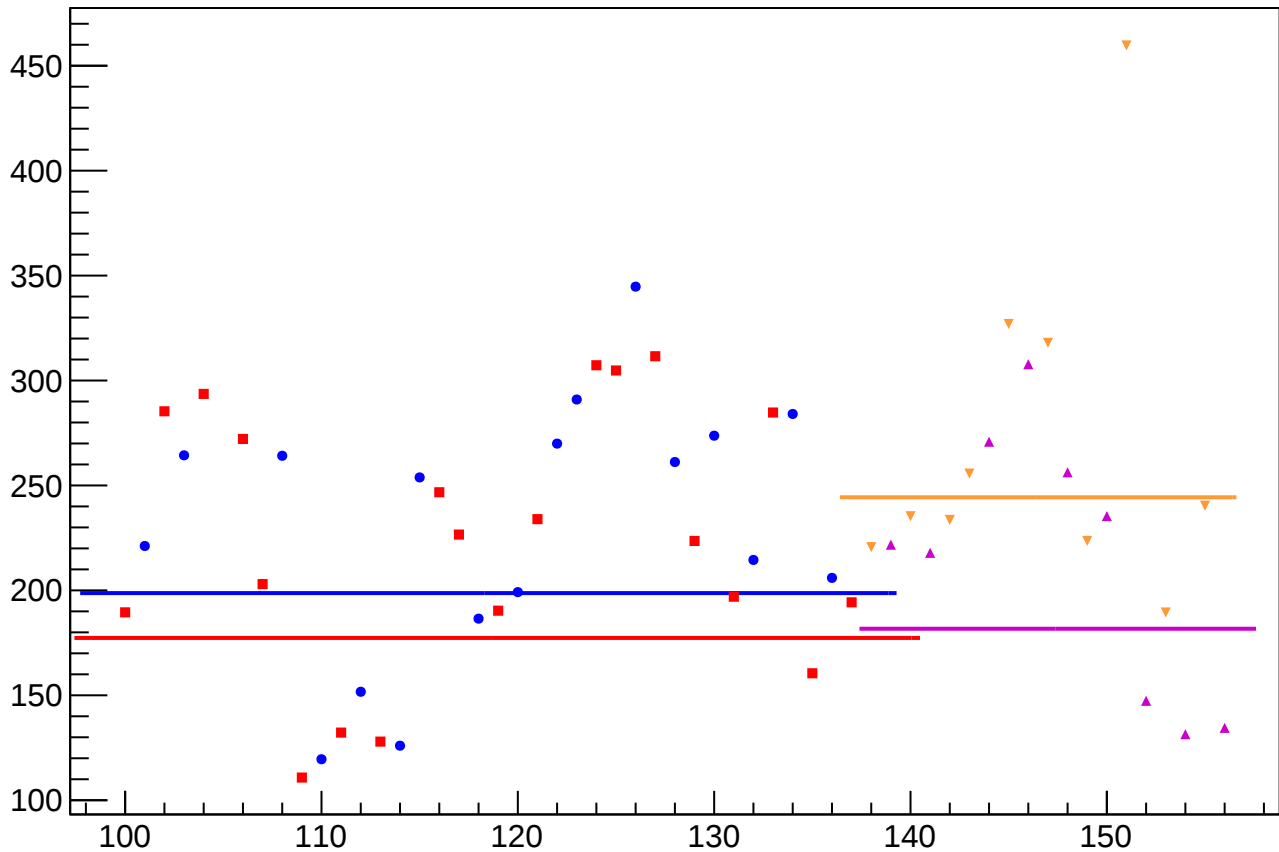
Right Out: 16.650 ± 71.745 χ^2/NDF : 4.7/19

Left In: -60.833 ± 72.862 χ^2/NDF : 4.6/8

65.711 ± 61.367 χ^2/NDF : 10.3/26

-21.493 ± 51.122 χ^2/NDF : 9.8/28

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 ± 0.058 χ^2/NDF : 963394.4/16

Left Out: 244.358 ± 0.066 χ^2/NDF : 674677.6/9

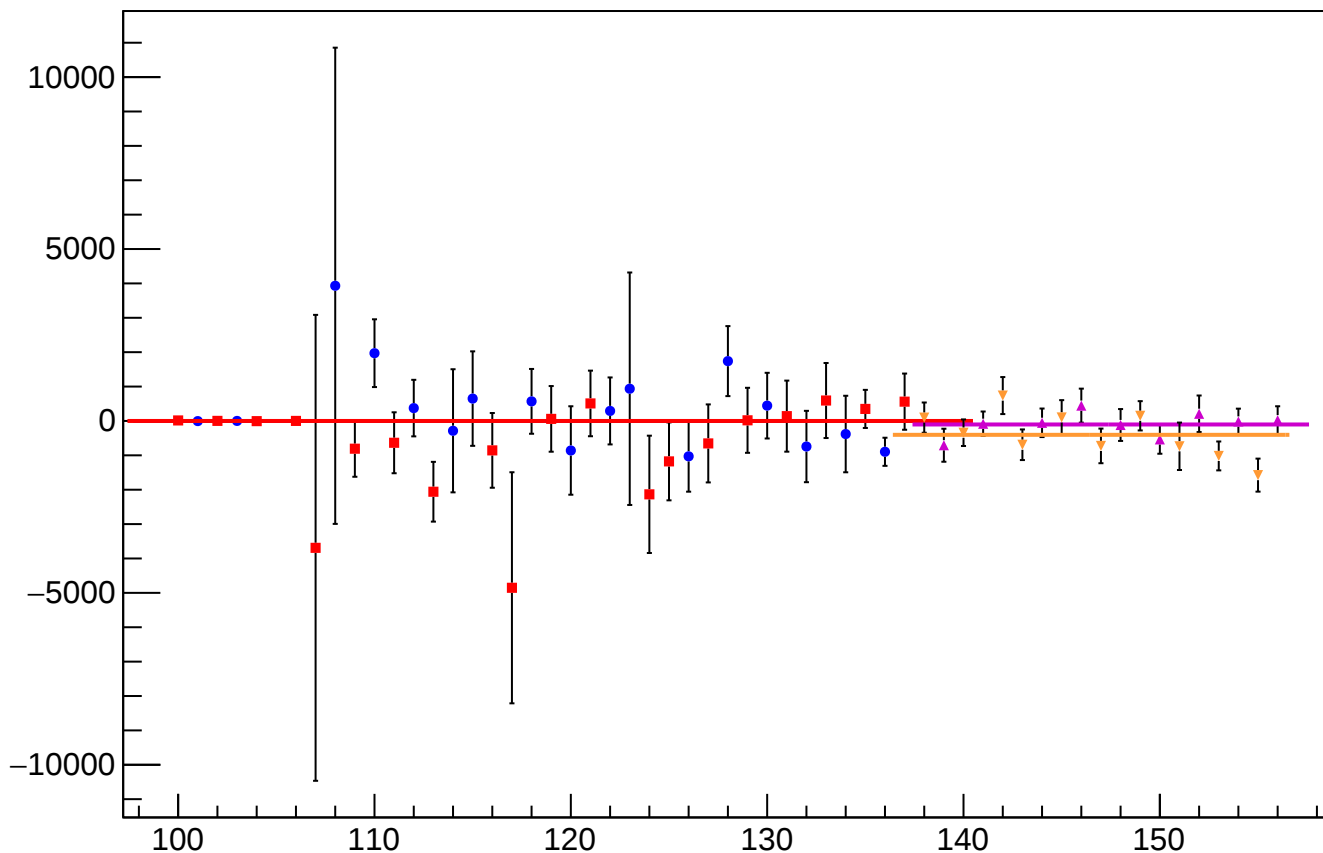
Right Out: 177.338 ± 0.051 χ^2/NDF : 1528976.8/19

Left In: 181.723 ± 0.052 χ^2/NDF : 1233205.4/8

218.421 ± 0.043 χ^2/NDF : 1909668.2/26

179.497 ± 0.036 χ^2/NDF : 2765859.4/28

asym_cav4bQ_mean vs Slug



Right In: -1.529+/-2.251 χ^2/NDF : 16.6/16

Left Out: -403.654+/-147.643 χ^2/NDF :17.7/9

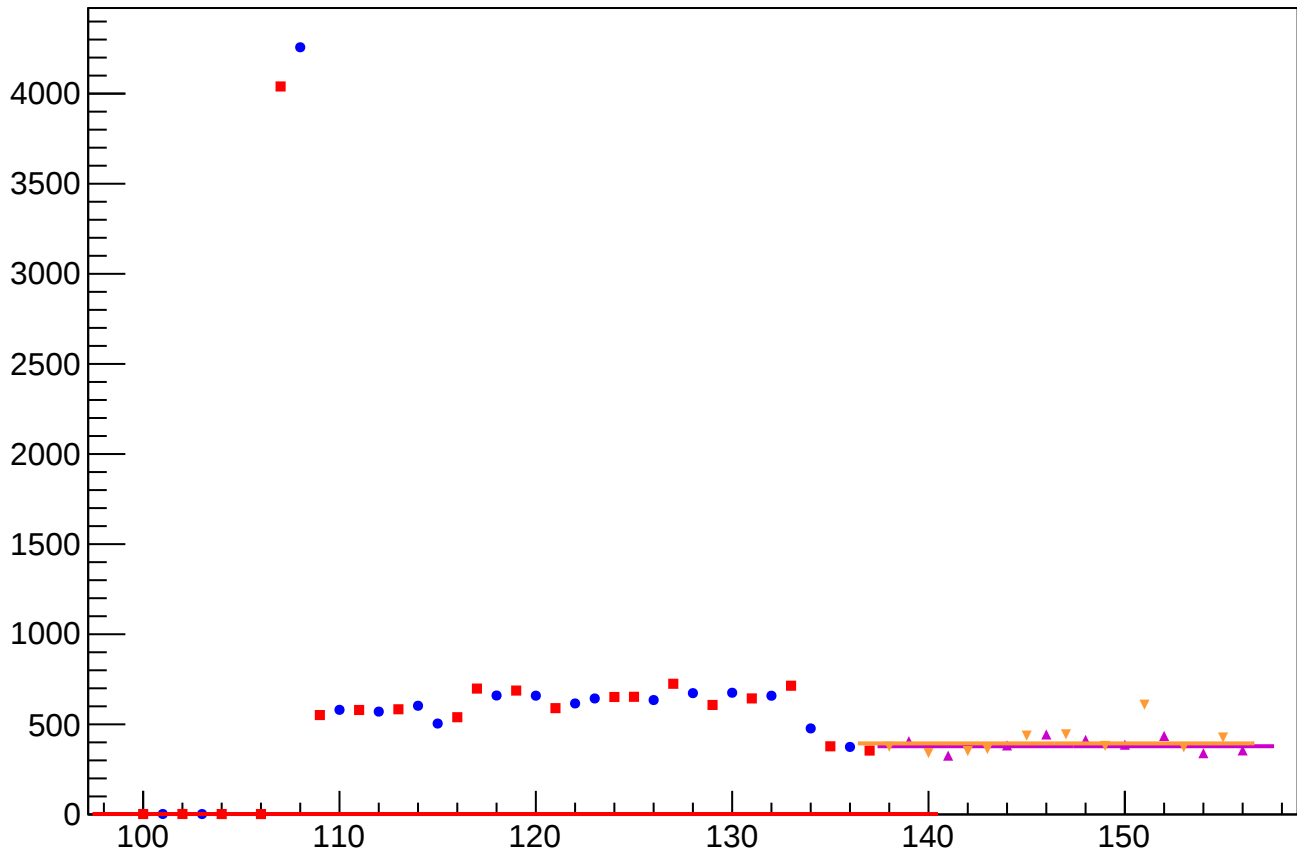
Right Out: -0.733+/-2.111 χ^2/NDF : 20.5/19

Left In: -102.664+/-142.318 χ^2/NDF :4.4/8

-1.622+/-2.251 χ^2/NDF : 41.7/26

-0.756+/-2.111 χ^2/NDF : 25.4/28

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 394.318+/-0.104 χ^2/NDF :310184.5/9

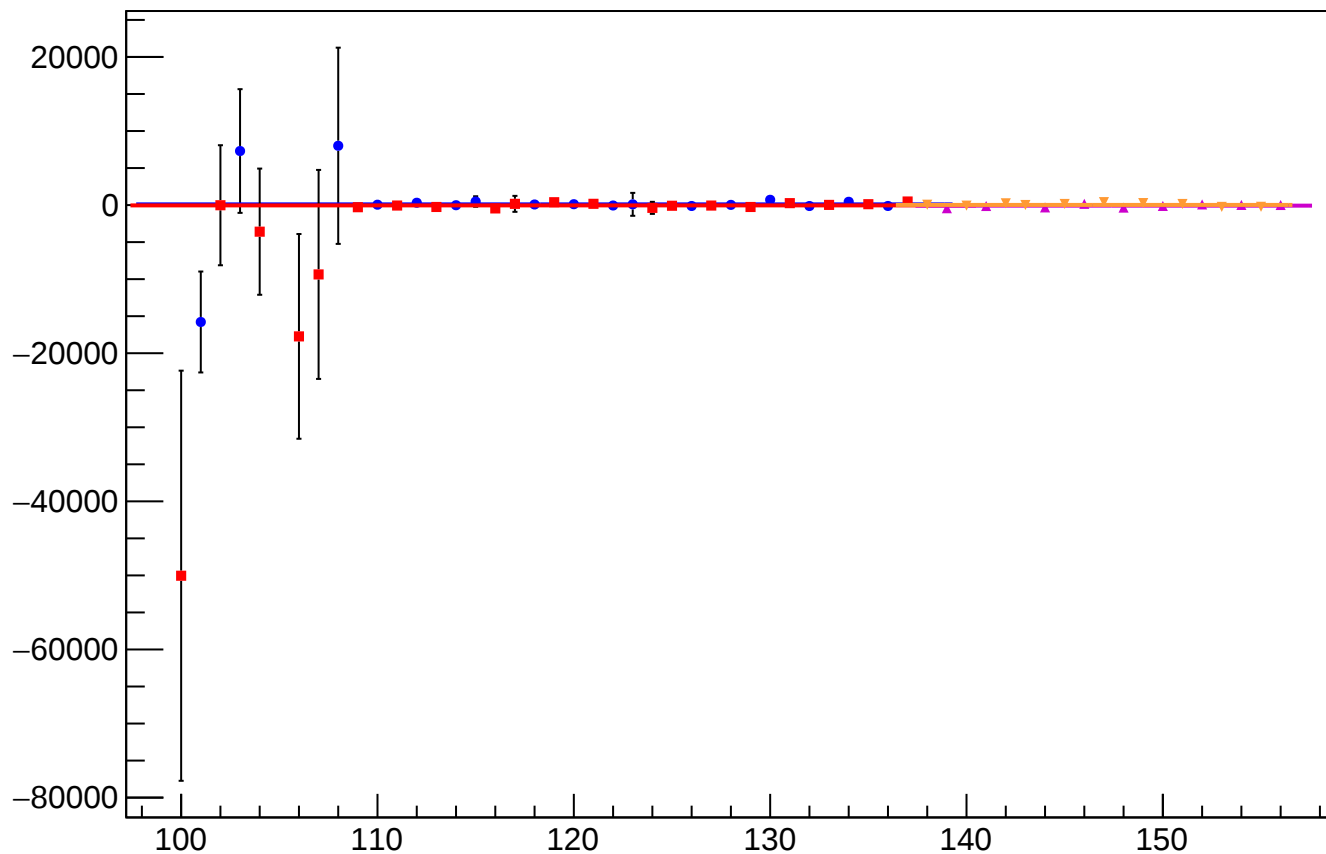
Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

Left In: 378.591+/-0.101 χ^2/NDF :148829.1/8

2.547+/-0.002 χ^2/NDF : 25101938.8/26

2.520+/-0.001 χ^2/NDF : 25343169.7/28

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: 22.262+/-99.214 χ^2/NDF : 4.3/9

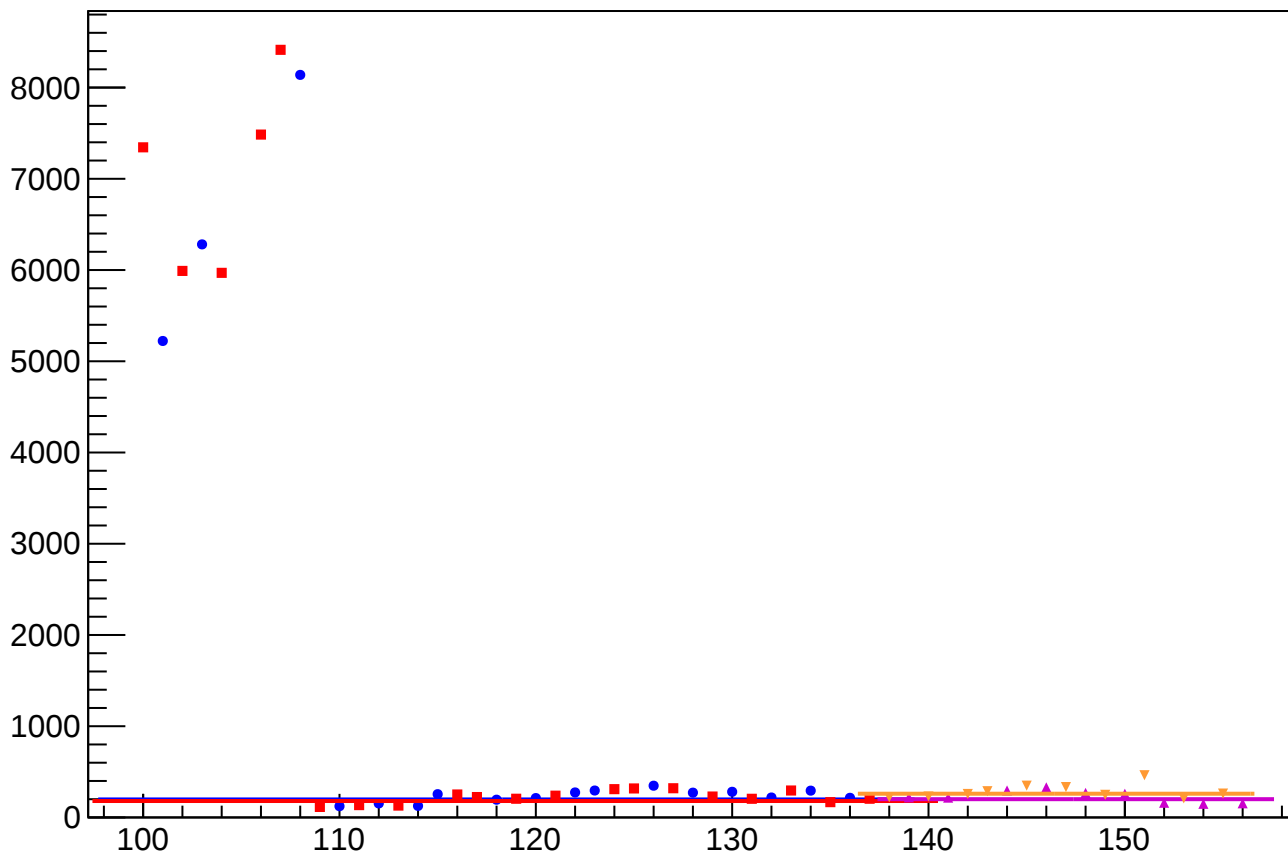
Right Out: -41.335+/-84.288 χ^2/NDF : 14.0/19

Left In: -76.121+/-79.396 χ^2/NDF : 4.6/8

61.676+/-67.345 χ^2/NDF : 16.6/26

-59.767+/-57.793 χ^2/NDF : 18.8/28

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 260.191+/-0.070 χ^2/NDF : 642796.7/9

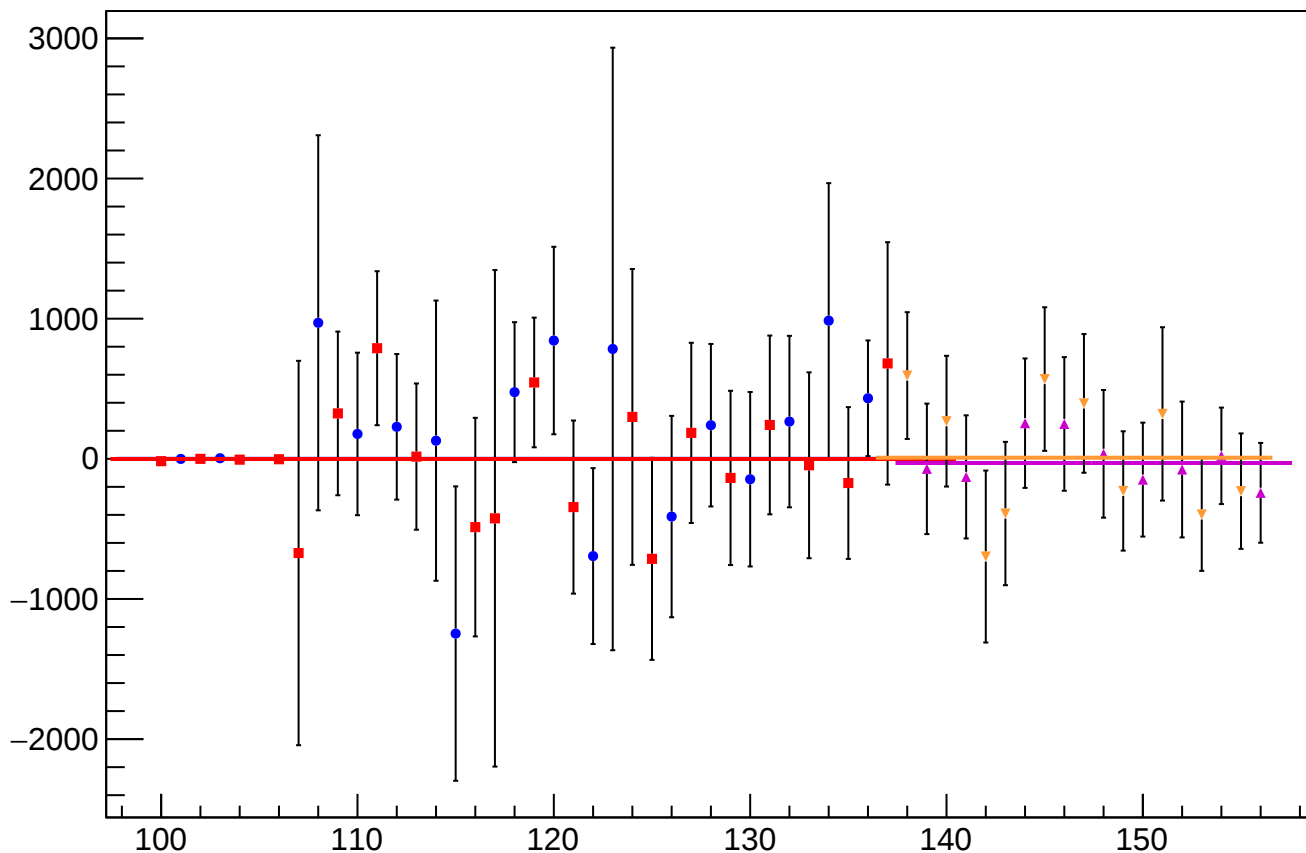
Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

Left In: 200.338+/-0.056 χ^2/NDF : 1007139.9/8

226.342+/-0.048 χ^2/NDF : 4770325.1/26

190.894+/-0.041 χ^2/NDF : 5392011.4/28

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 7.837 ± 150.667 χ^2/NDF : 7.6/9

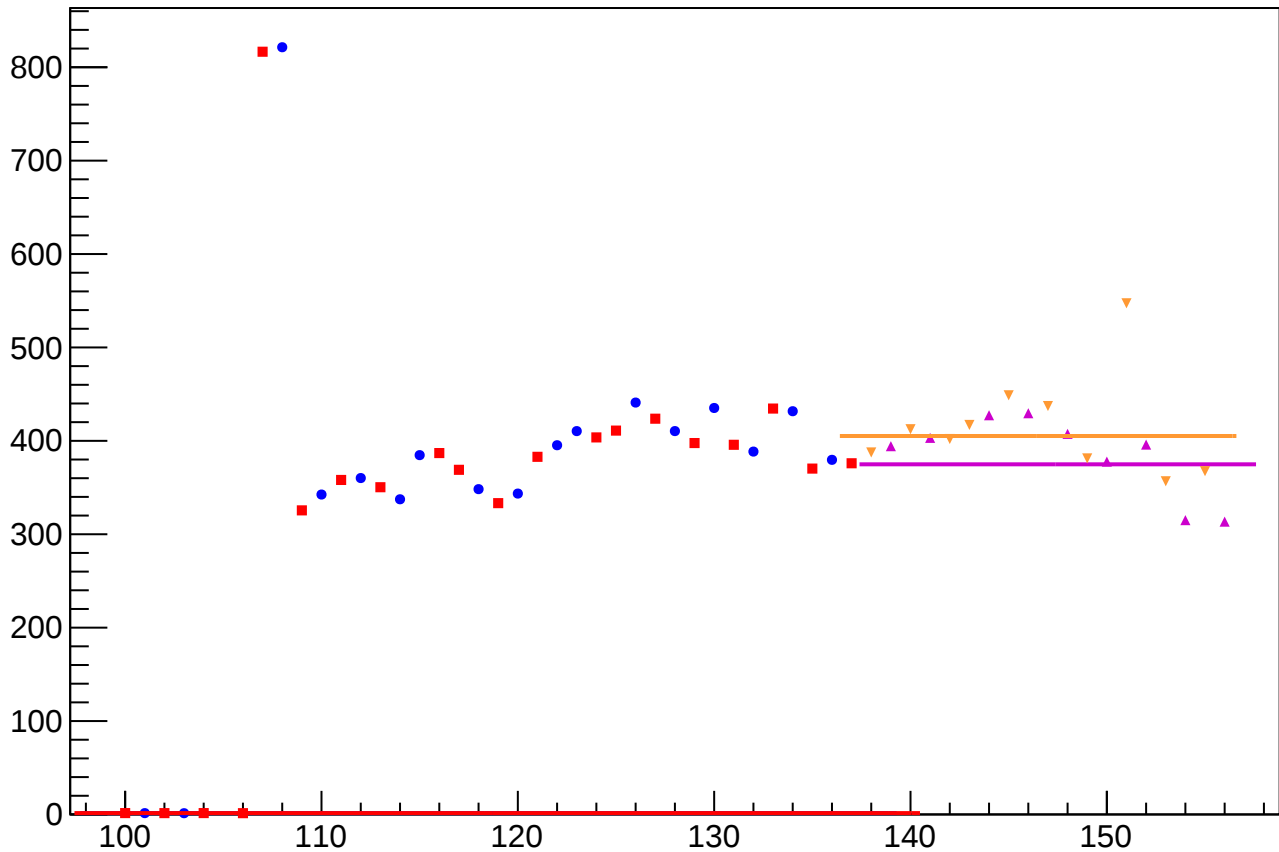
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.6/19

Left In: -29.691 ± 140.946 χ^2/NDF : 1.3/8

-0.138 ± 1.736 χ^2/NDF : 17.4/26

-1.328 ± 1.622 χ^2/NDF : 10.9/28

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 405.183+/-0.107 χ^2/NDF :185122.6/9

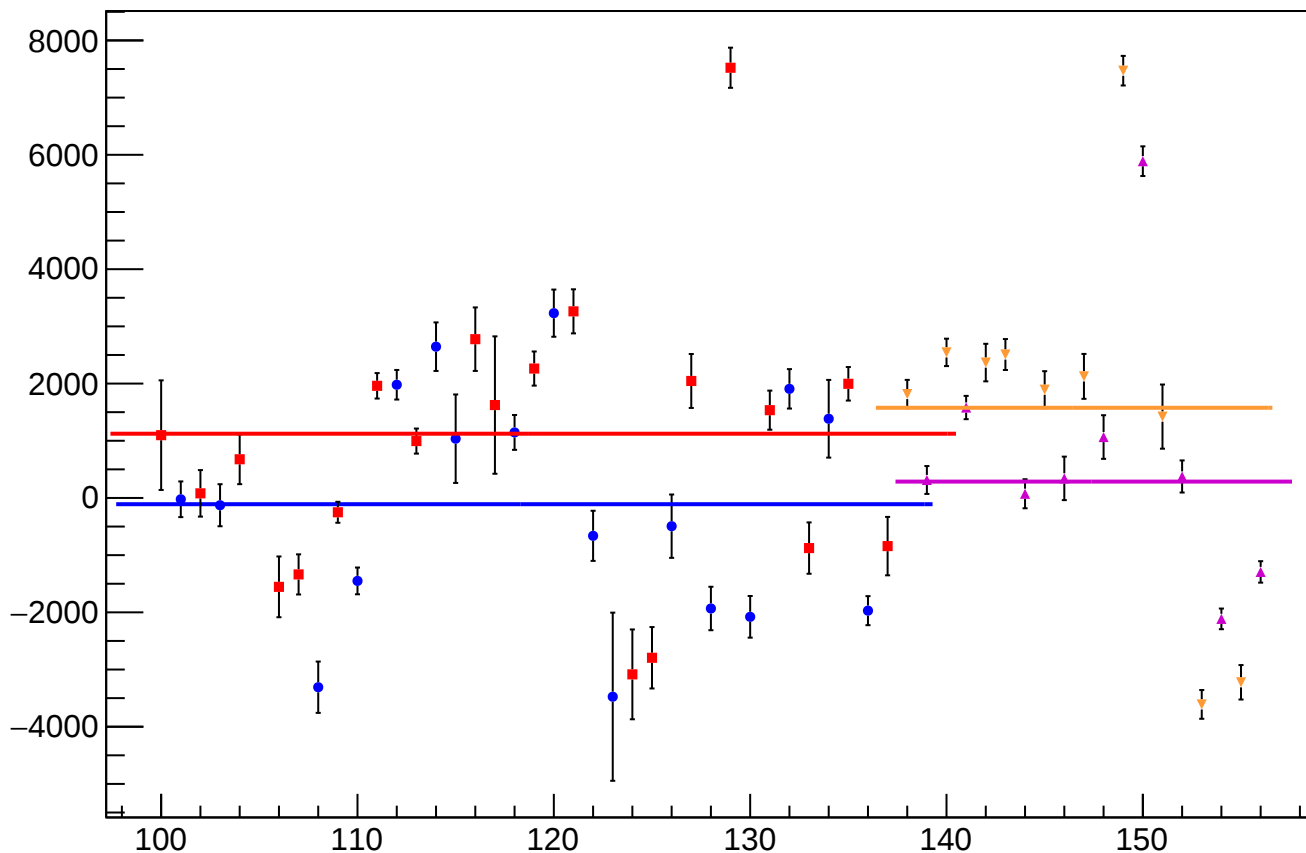
Right Out: 1.451+/-0.001 χ^2/NDF : 10959647.1/19

Left In: 374.873+/-0.100 χ^2/NDF :197815.1/8

1.506+/-0.001 χ^2/NDF : 25359896.7/26

1.501+/-0.001 χ^2/NDF : 25194260.2/28

asym_bcm0l02_mean vs Slug



Right In: -109.225 ± 87.961 $\chi^2/\text{NDF}: 428.3/16$

Left Out: 1577.034 ± 92.210 $\chi^2/\text{NDF}: 1236.2/9$

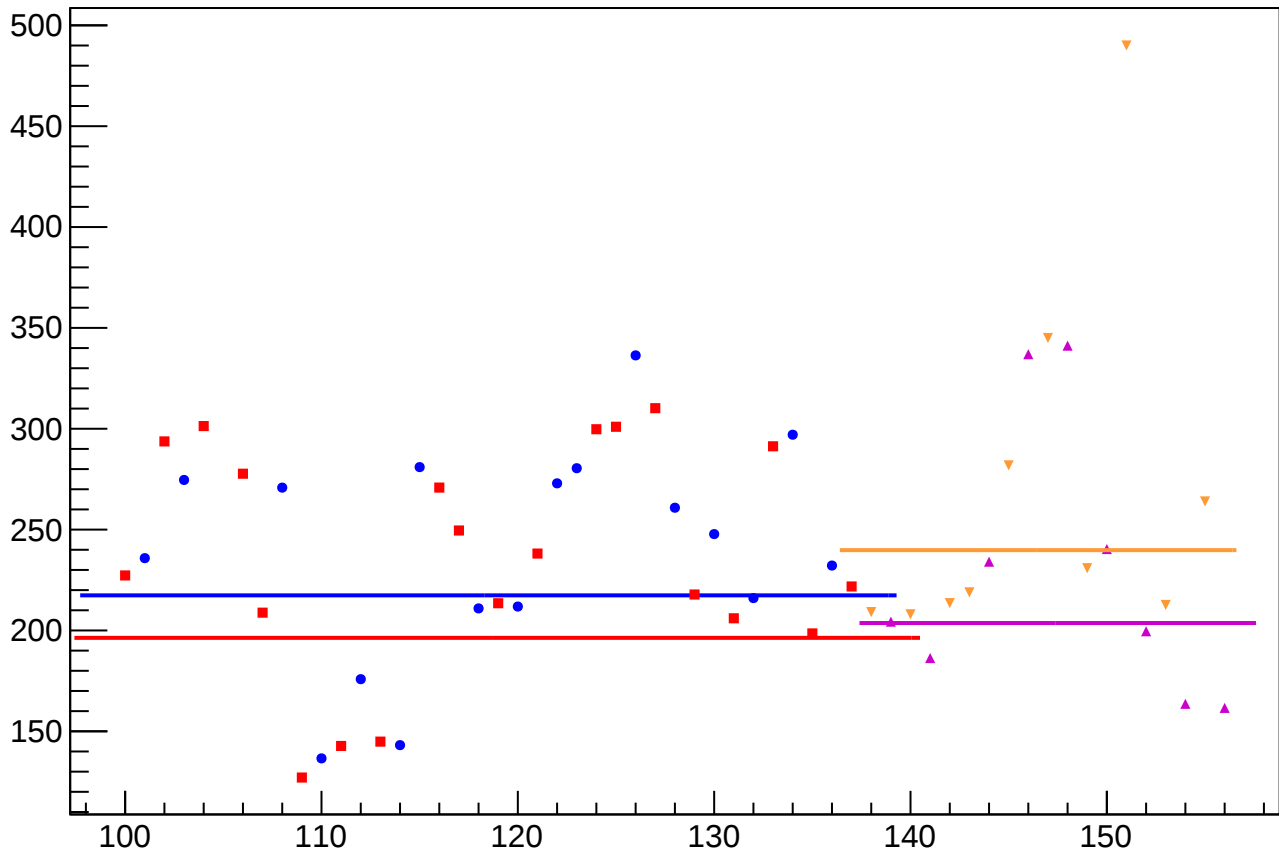
Right Out: 1123.337 ± 78.230 $\chi^2/\text{NDF}: 670.2/19$

Left In: 286.004 ± 79.838 $\chi^2/\text{NDF}: 759.2/8$

694.167 ± 63.647 $\chi^2/\text{NDF}: 1839.7/26$

713.190 ± 55.877 $\chi^2/\text{NDF}: 1485.6/28$

asym_bcm0l02_rms vs Slug



Right In: 217.403+/-0.062 χ^2/NDF : 652632.9/16

Left Out: 239.814+/-0.065 χ^2/NDF : 704484.9/9

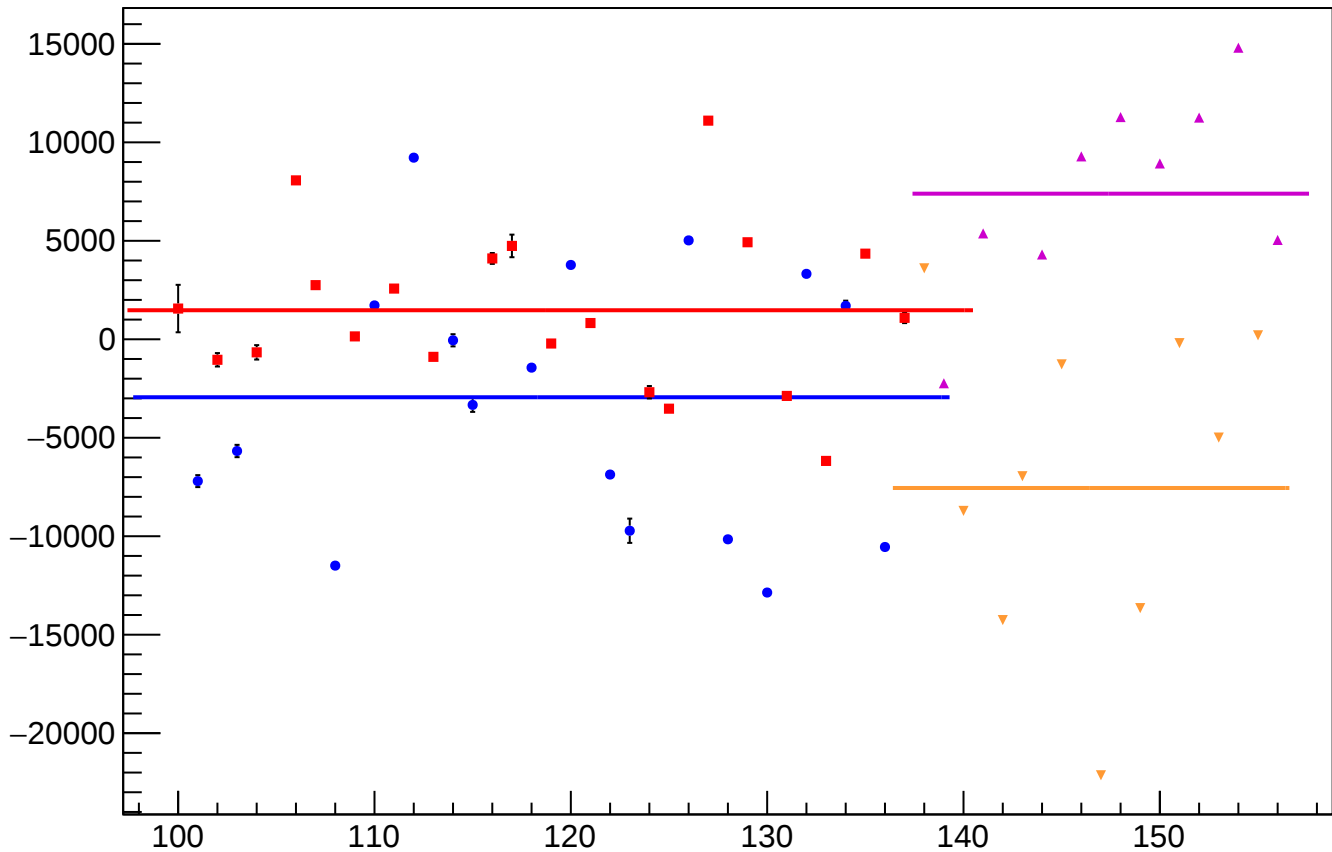
228.080+/-0.045 χ^2/NDF : 1418971.6/26

Right Out: 196.339+/-0.055 χ^2/NDF : 1194805.7/19

199.938+/-0.040 χ^2/NDF : 1991756.5/28

Left In: 203.687+/-0.056 χ^2/NDF : 788307.6/8

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -7550.576+/-45.829 χ^2/NDF : 29292.5/9

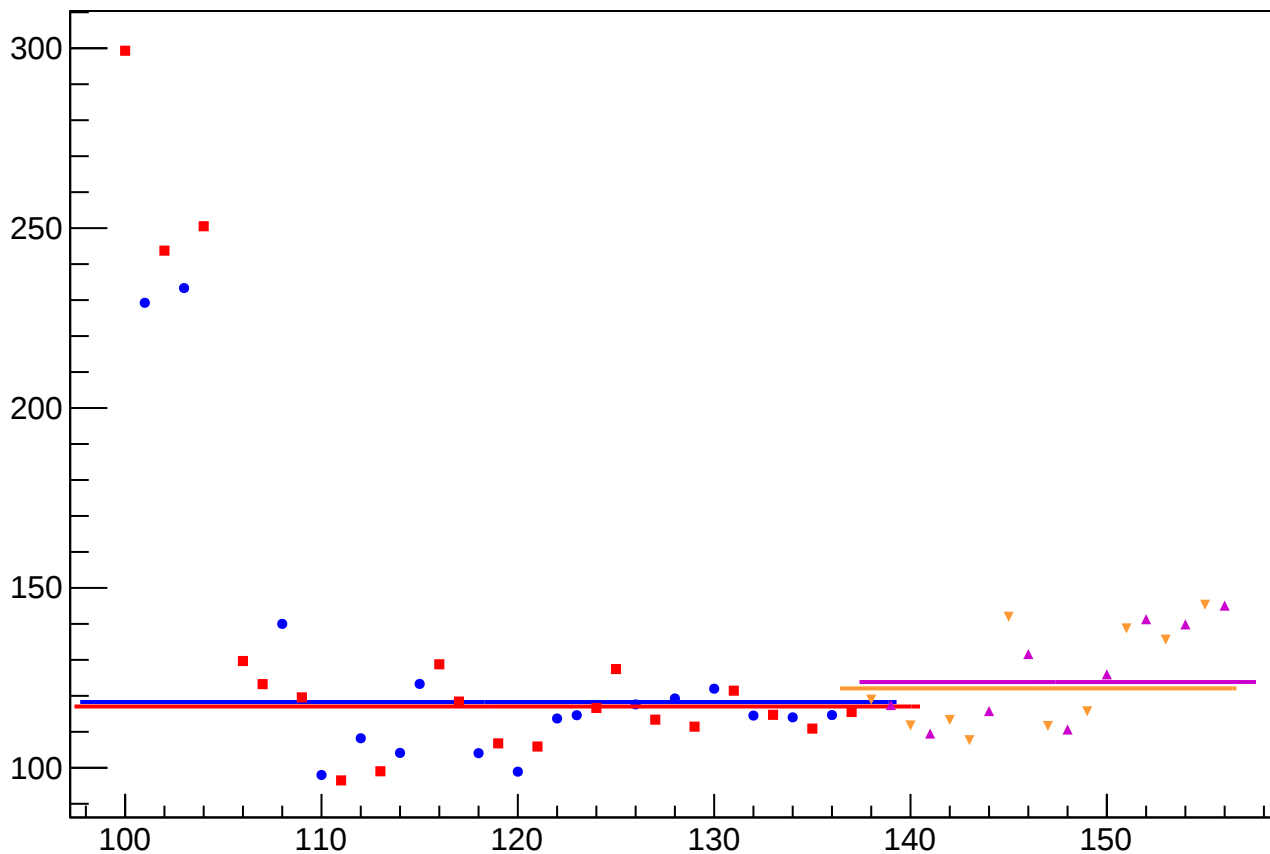
Right Out: 1474.497+/-46.252 χ^2/NDF : 8028.6/19

Left In: 7393.377+/-46.388 χ^2/NDF : 9876.5/8

-5382.497+/-33.347 χ^2/NDF : 54958.4/26

4425.284+/-32.753 χ^2/NDF : 26069.3/28

asym_bpm2i01WS_rms vs Slug



Right In: 118.286 ± 0.034 χ^2/NDF : 636918.0/16

Left Out: 122.069 ± 0.032 χ^2/NDF : 167934.3/9

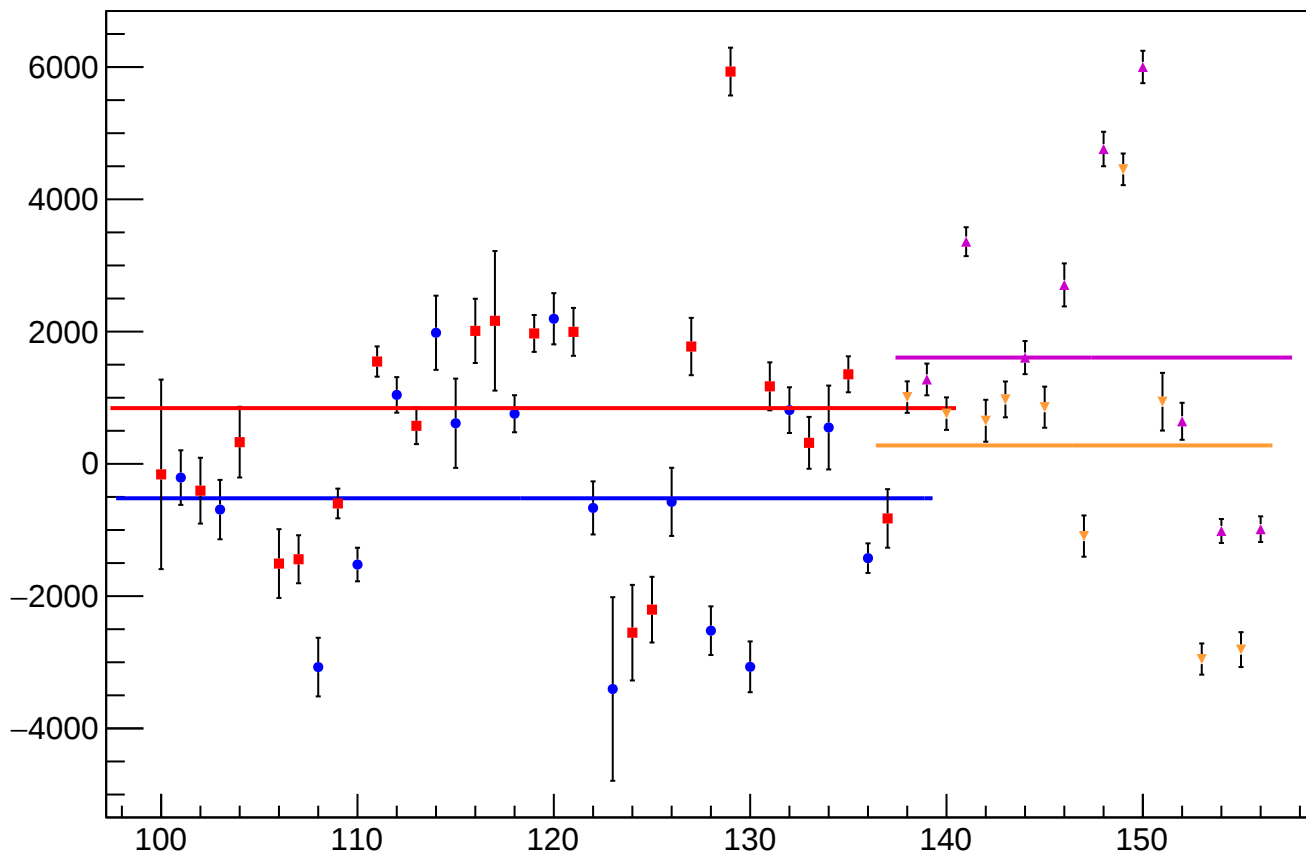
Right Out: 117.040 ± 0.033 χ^2/NDF : 690873.1/19

Left In: 123.840 ± 0.033 χ^2/NDF : 148855.9/8

120.288 ± 0.024 χ^2/NDF : 811265.3/26

120.430 ± 0.023 χ^2/NDF : 861280.0/28

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 ± 89.241 $\chi^2/\text{NDF}: 288.1/16$

Left Out: 278.763 ± 86.580 $\chi^2/\text{NDF}: 674.8/9$

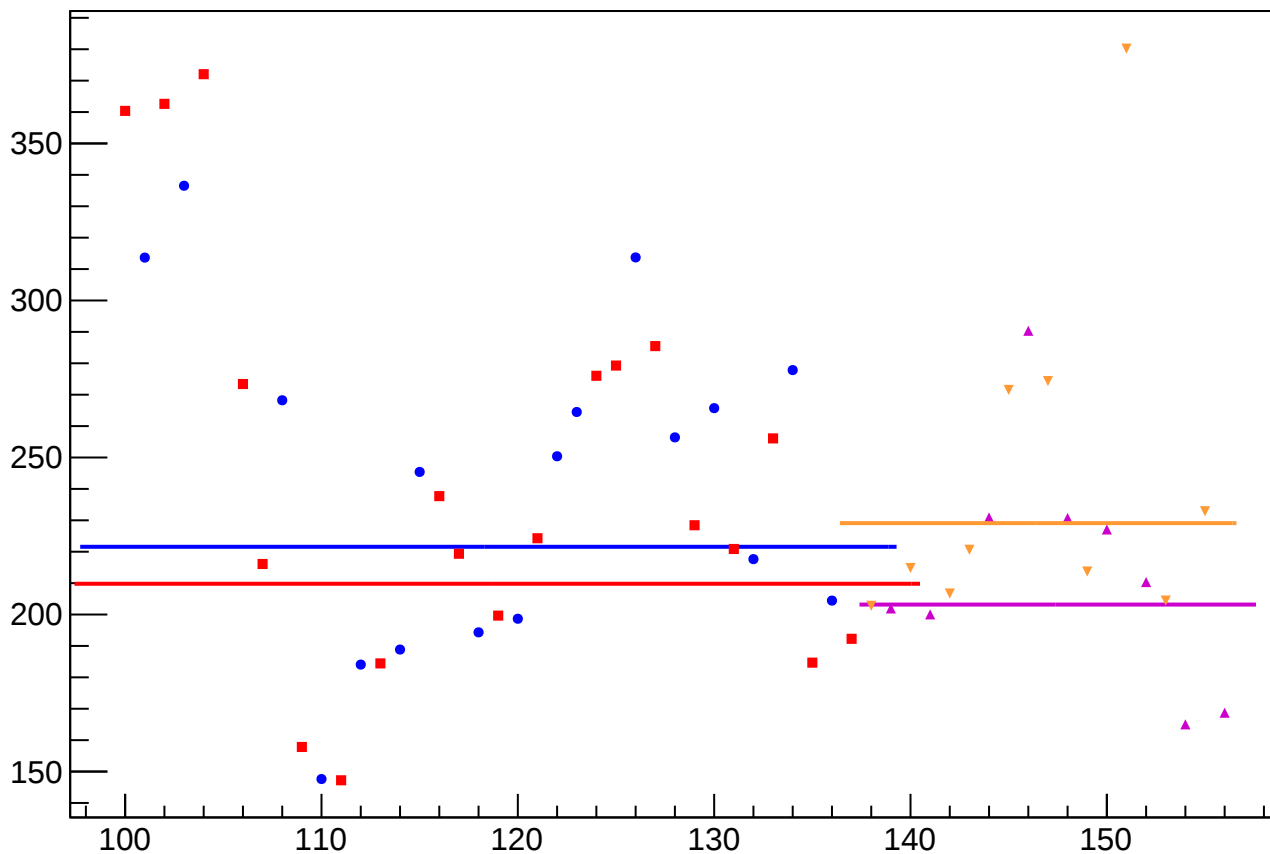
Right Out: 842.858 ± 82.024 $\chi^2/\text{NDF}: 436.3/19$

Left In: 1607.356 ± 77.869 $\chi^2/\text{NDF}: 945.8/8$

-108.664 ± 62.141 $\chi^2/\text{NDF}: 1004.2/26$

1244.964 ± 56.473 $\chi^2/\text{NDF}: 1427.7/28$

asym_bpm0i07WS_rms vs Slug



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 229.101 $\pm$ 0.061 χ^2 /NDF: 392815.3/9

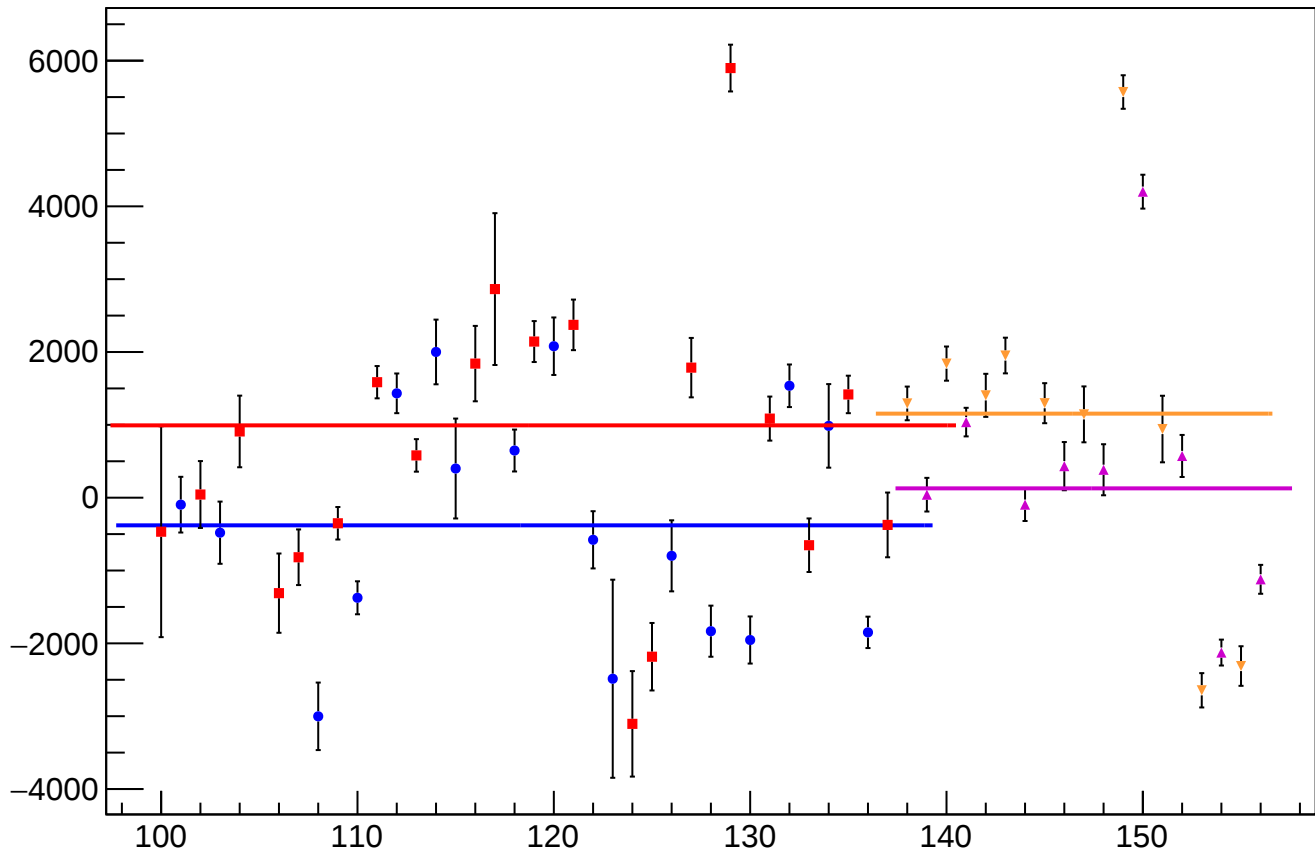
Right Out: 209.794 $\pm$ 0.058 χ^2 /NDF: 884087.4/19

Left In: 203.175 $\pm$ 0.055 χ^2 /NDF: 362772.2/8

225.449 $\pm$ 0.044 χ^2 /NDF: 1045094.6/26

206.312 $\pm$ 0.040 χ^2 /NDF: 1253710.8/28

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 1153.929 ± 84.459 χ^2/NDF : 810.7/9

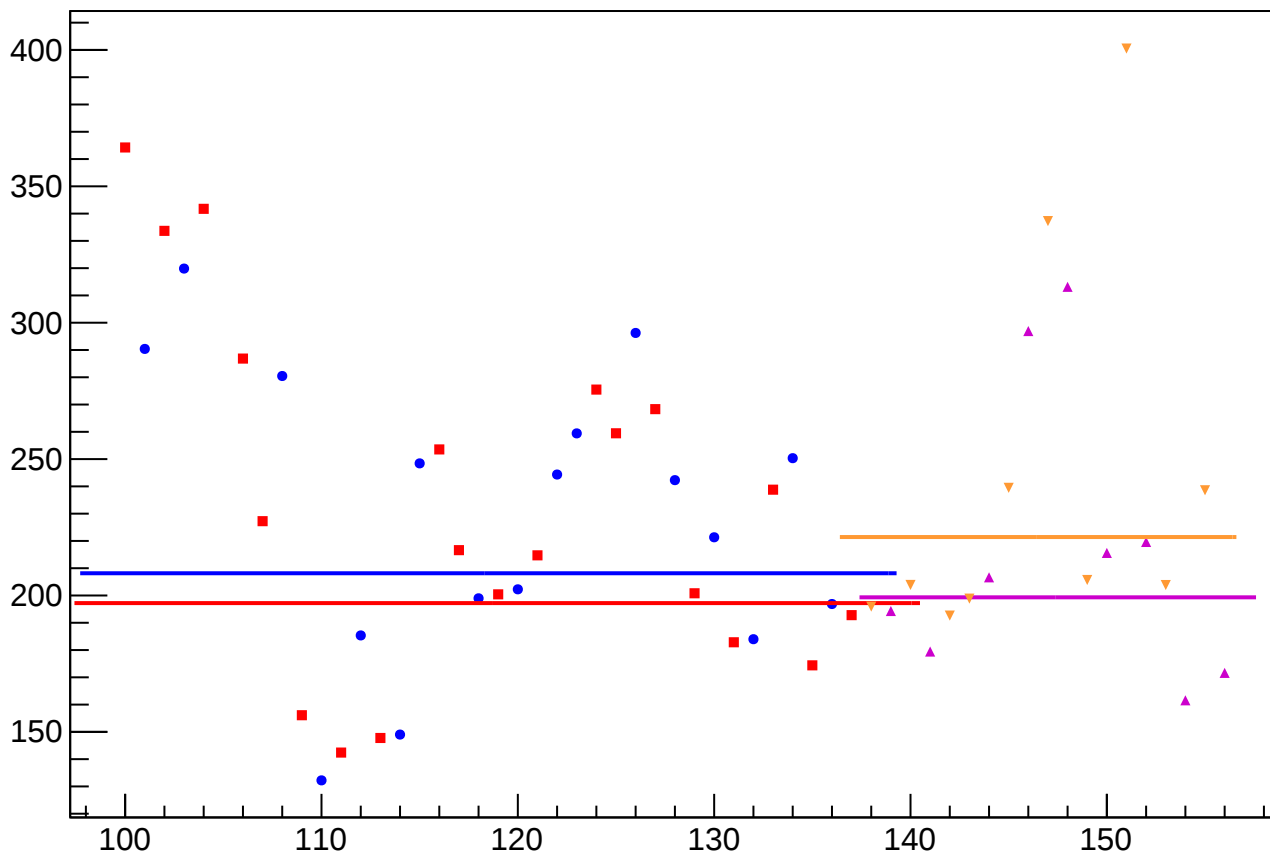
Right Out: 992.944 ± 77.509 χ^2/NDF : 479.5/19

Left In: 128.009 ± 76.846 χ^2/NDF : 533.4/8

385.326 ± 59.651 χ^2/NDF : 1293.1/26

556.758 ± 54.571 χ^2/NDF : 1075.7/28

asym_bpm0l01WS_rms vs Slug



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 221.426+/-0.060 χ^2/NDF : 597839.9/9

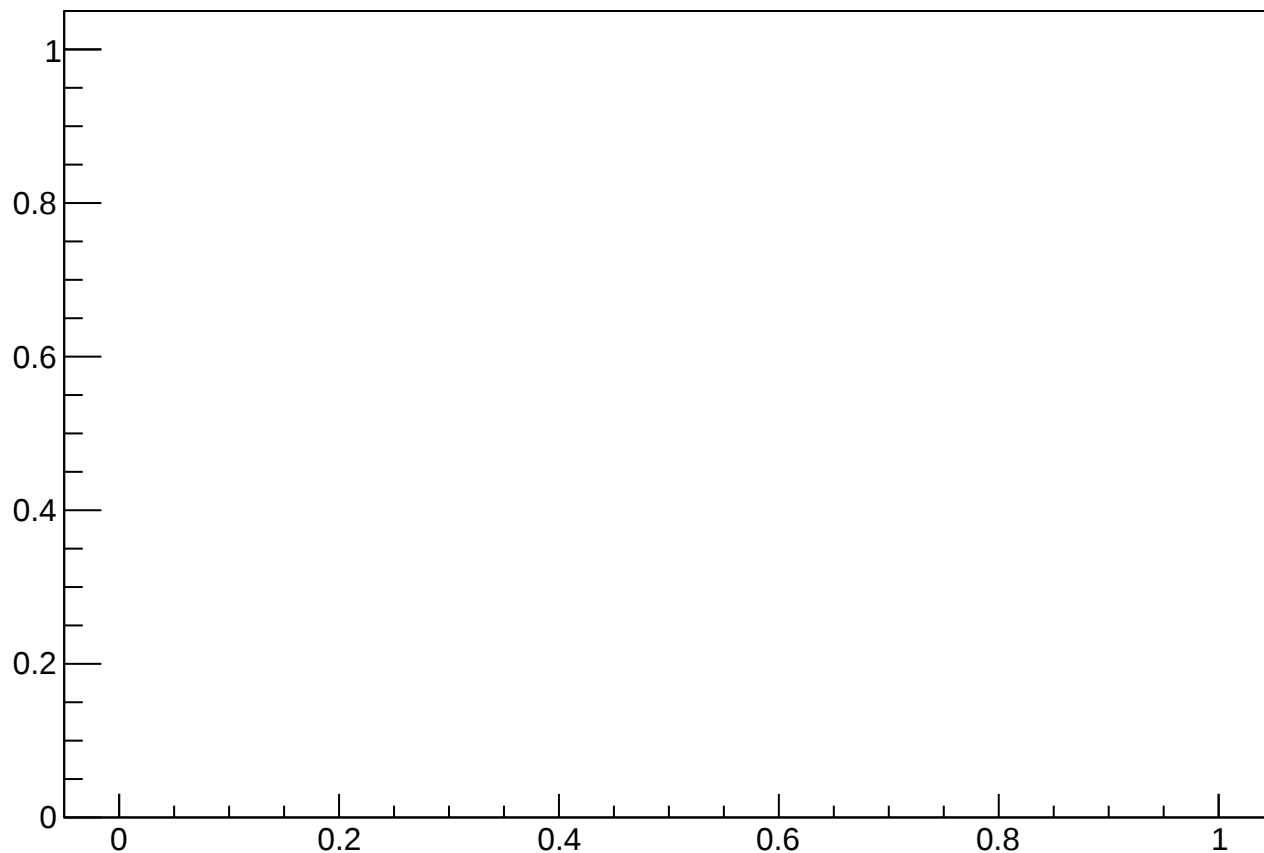
Right Out: 197.210+/-0.055 χ^2/NDF : 927165.0/19

Left In: 199.326+/-0.054 χ^2/NDF : 557332.5/8

214.773+/-0.042 χ^2/NDF : 1321688.4/26

198.277+/-0.039 χ^2/NDF : 1485248.7/28

bcm_an_us_ds_dd_mean vs Slug



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

0.000+/-0.000 χ^2/NDF : 0.0/0

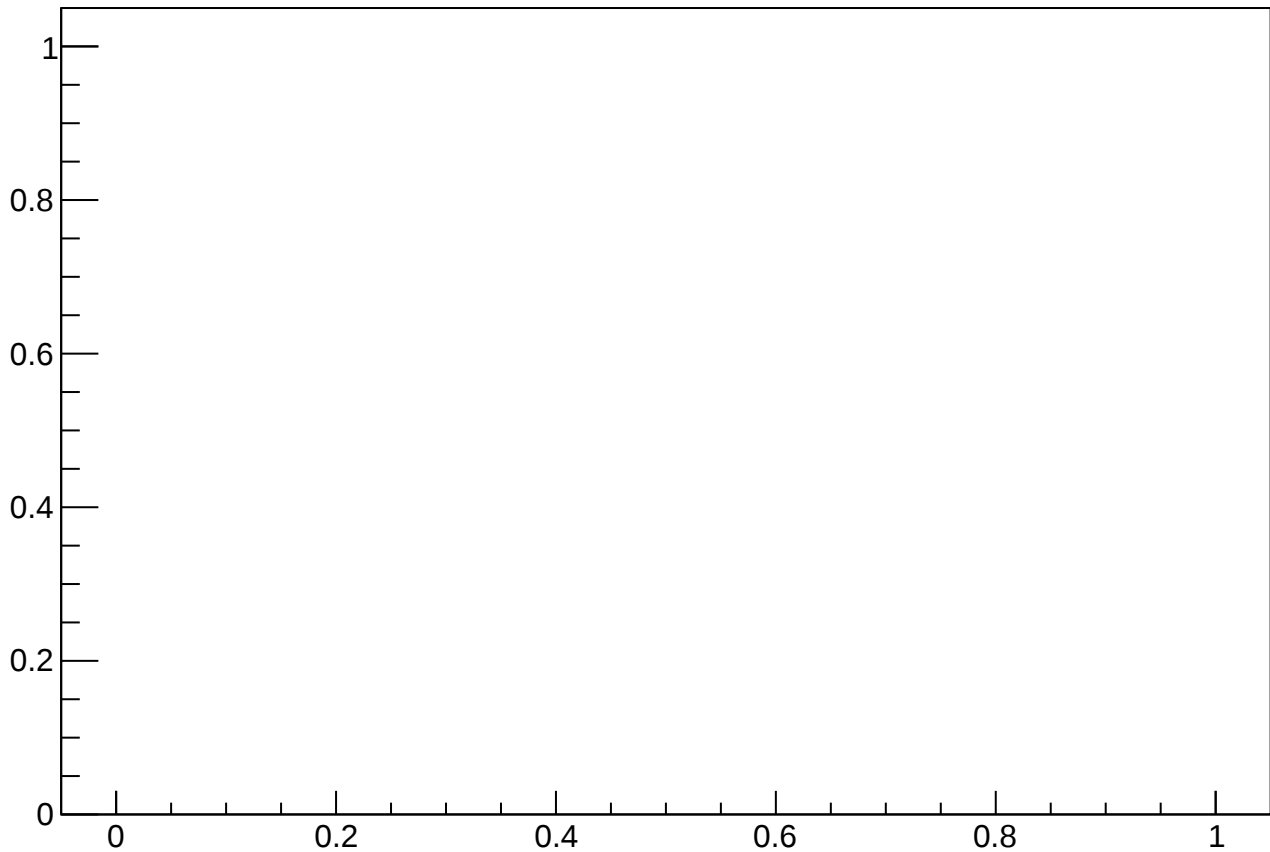
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

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

bcm_an_us_ds_dd_rms vs Slug



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

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

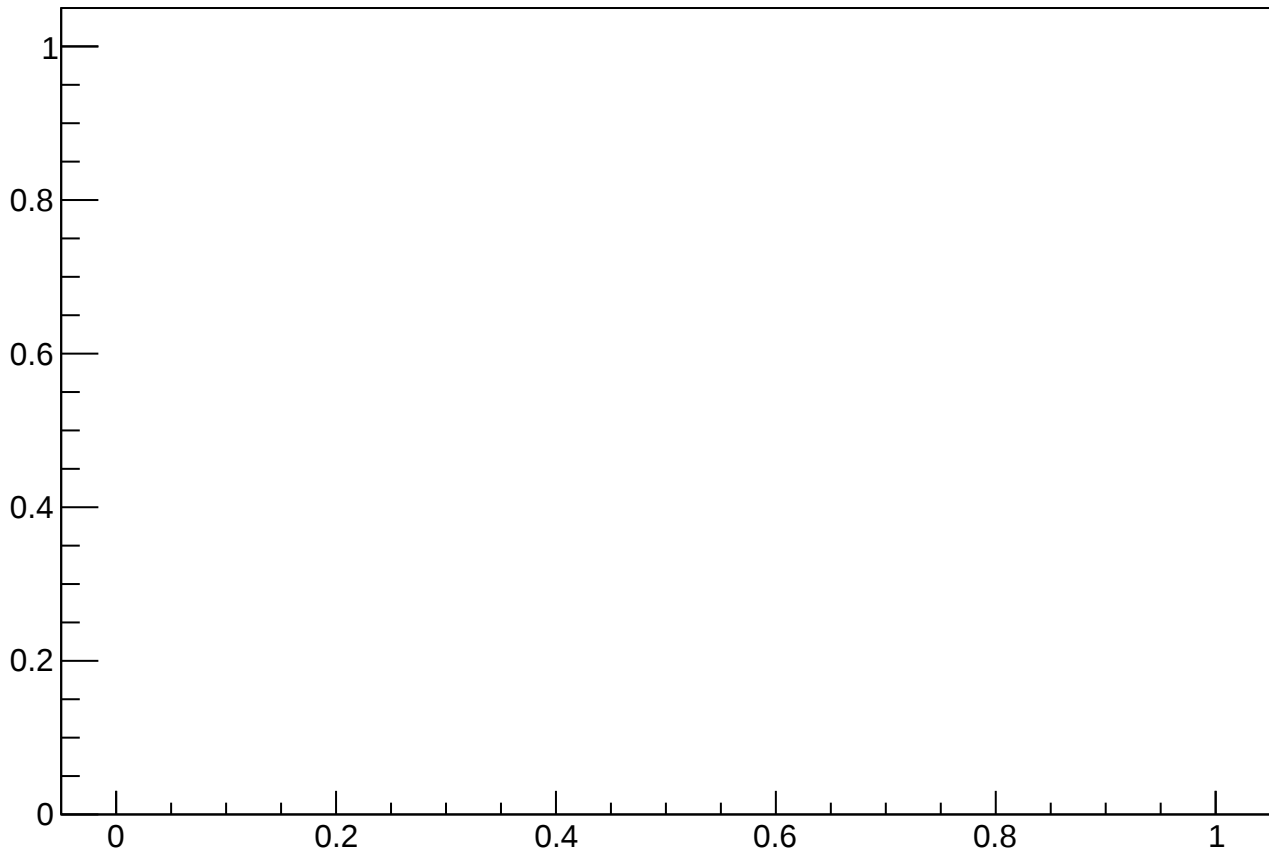
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug



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

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

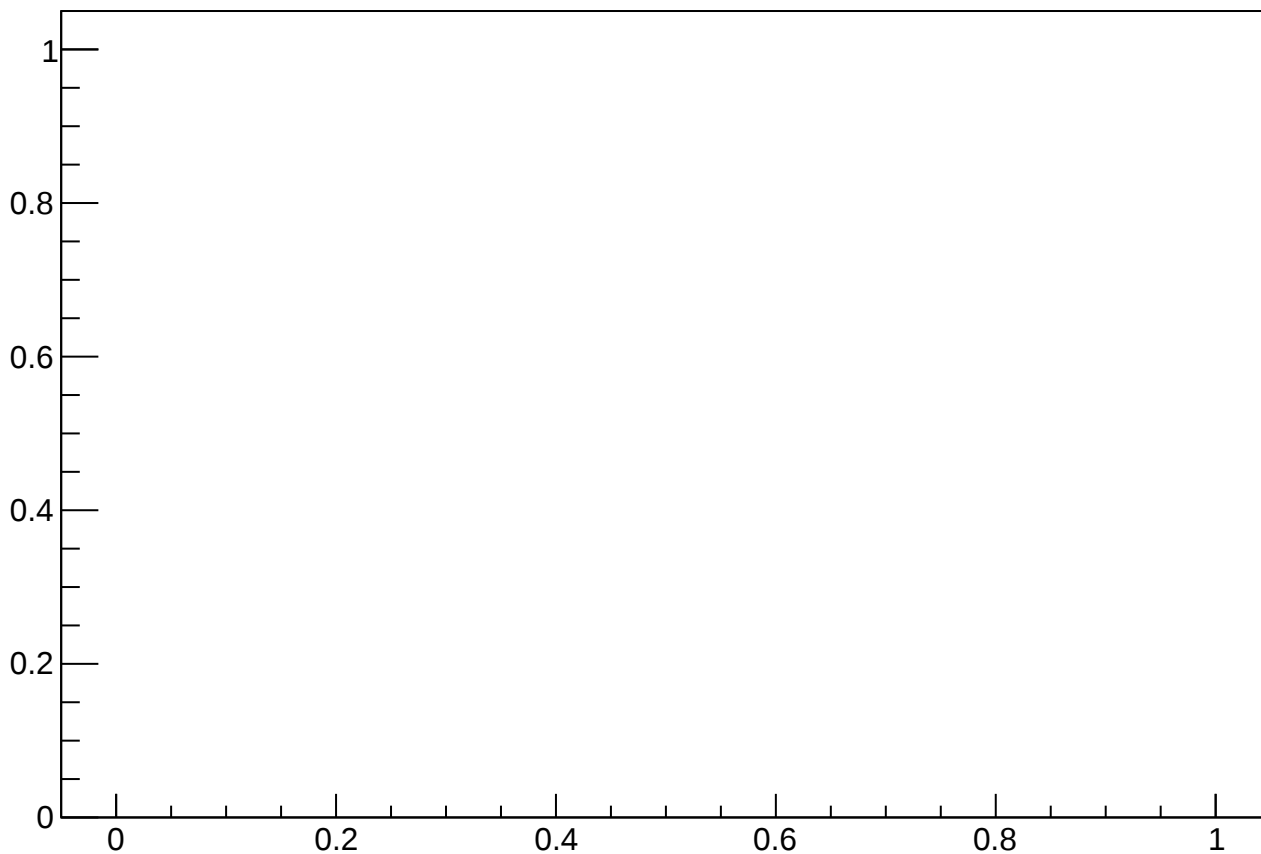
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug



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

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

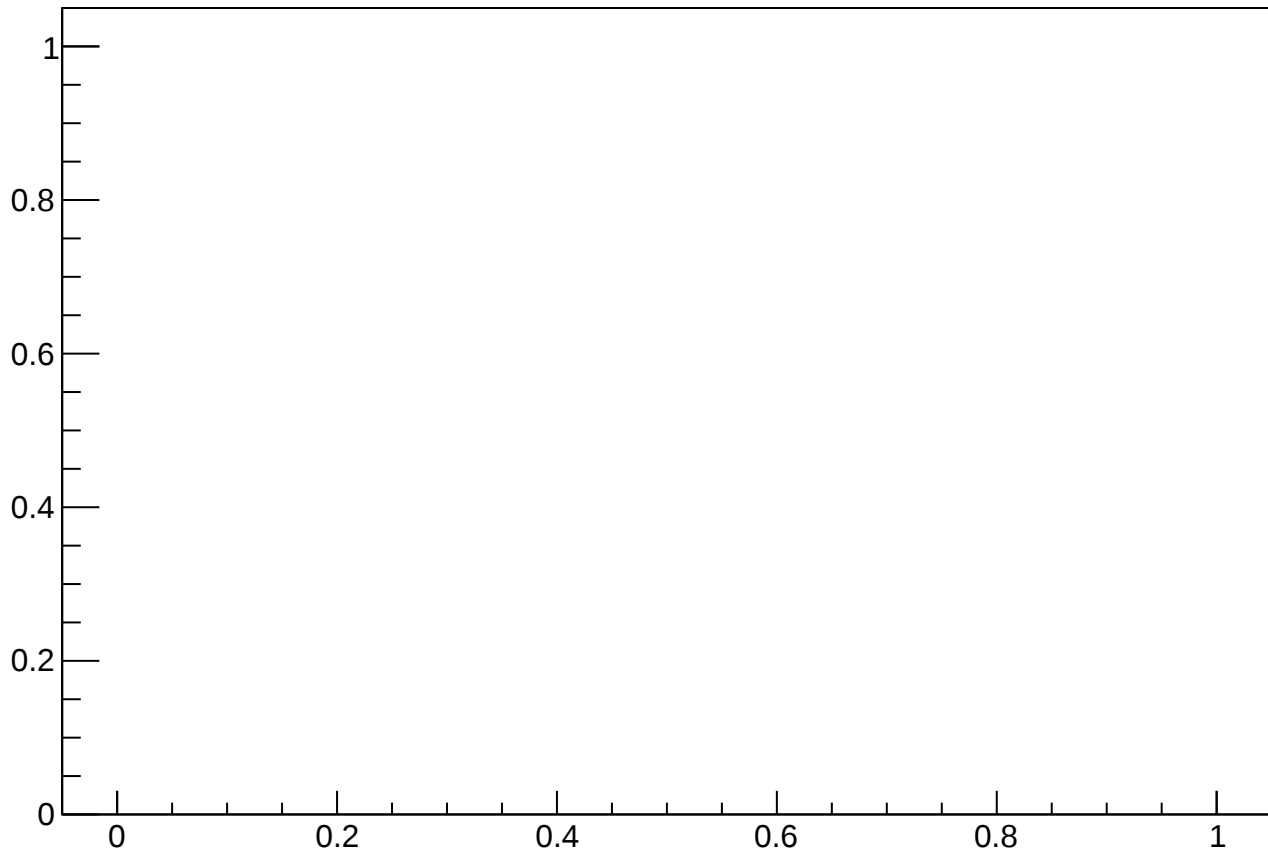
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_mean vs Slug



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

0.000+/-0.000 χ^2/NDF : 0.0/0

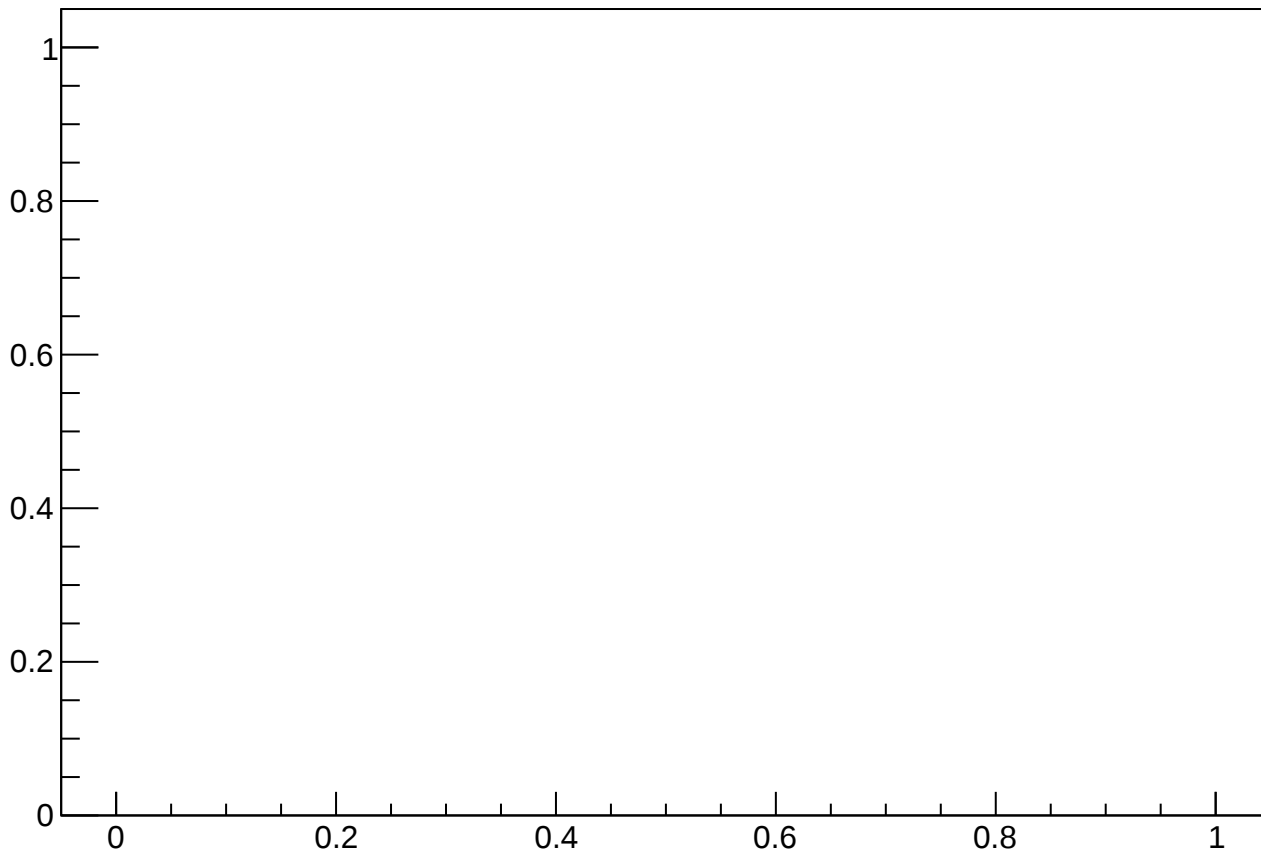
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

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

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

bcm_dg_us_ds_dd_rms vs Slug



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

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

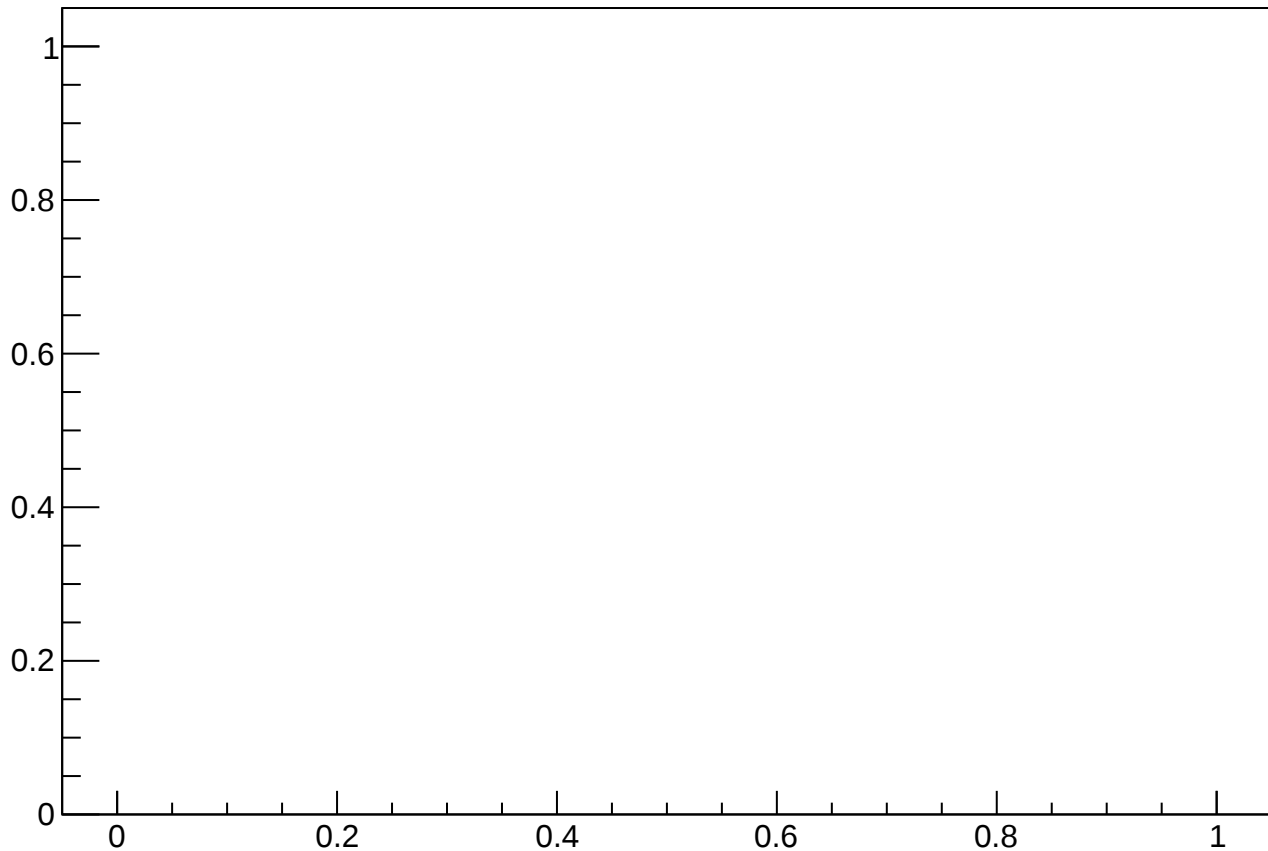
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug



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

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

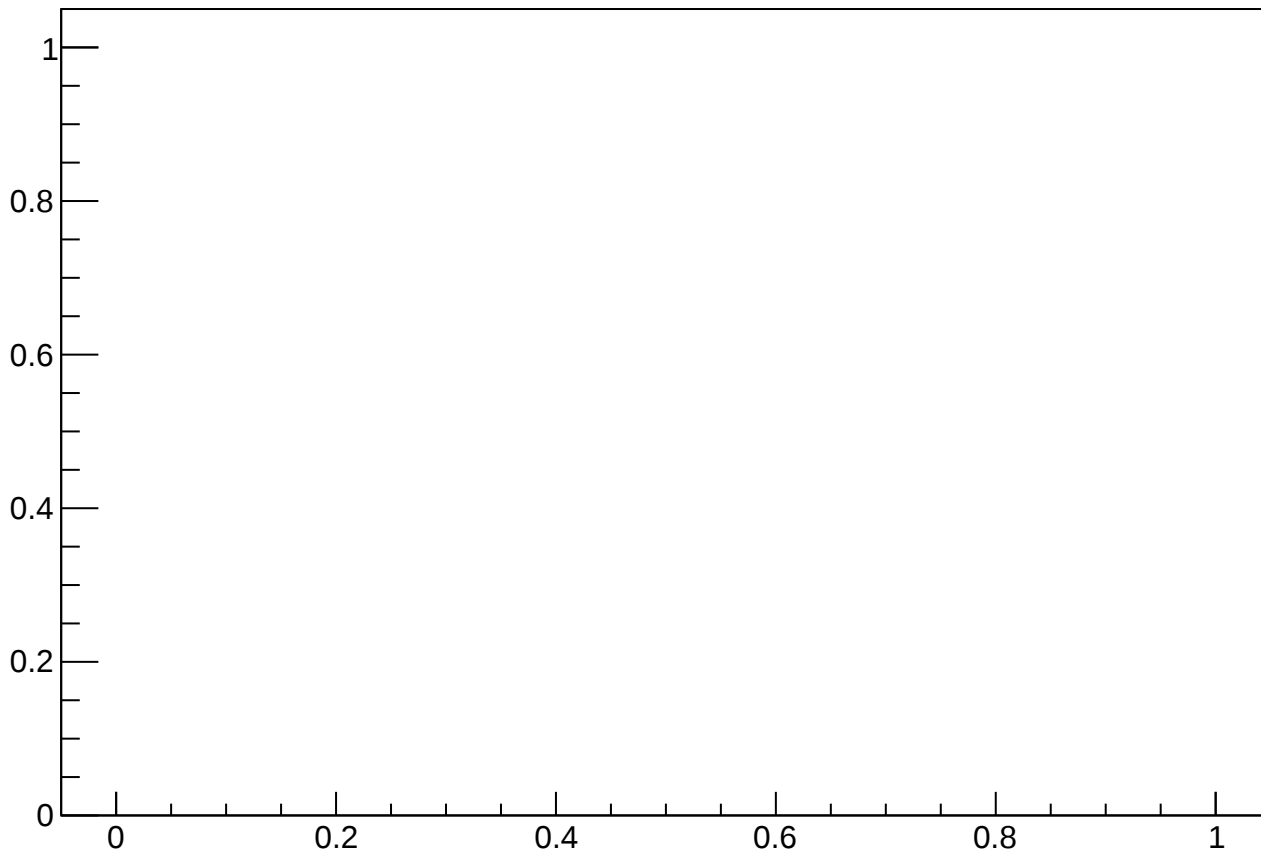
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug



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

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

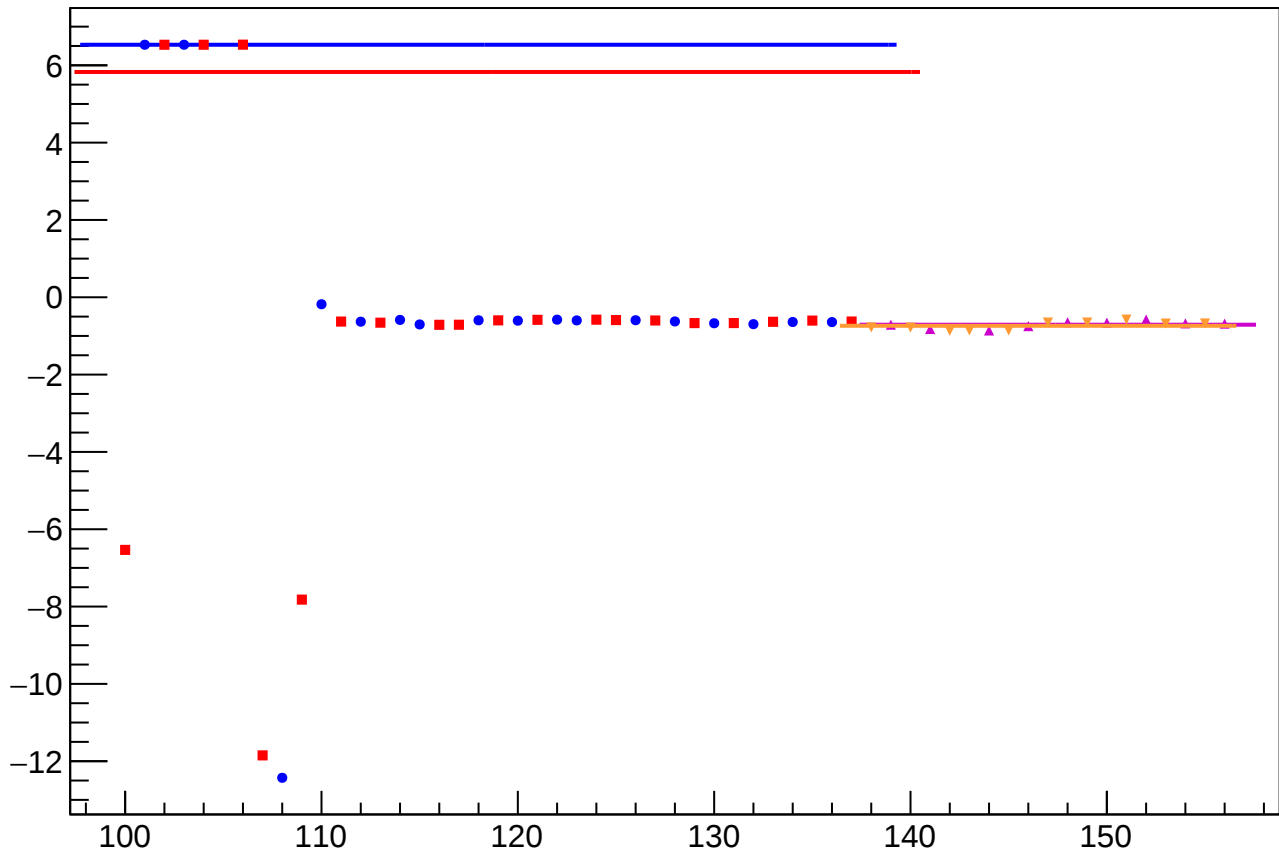
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127219747629.7/16

Left Out: -0.737 $\pm$ 0.000 χ^2 /NDF: 69227546.5/9

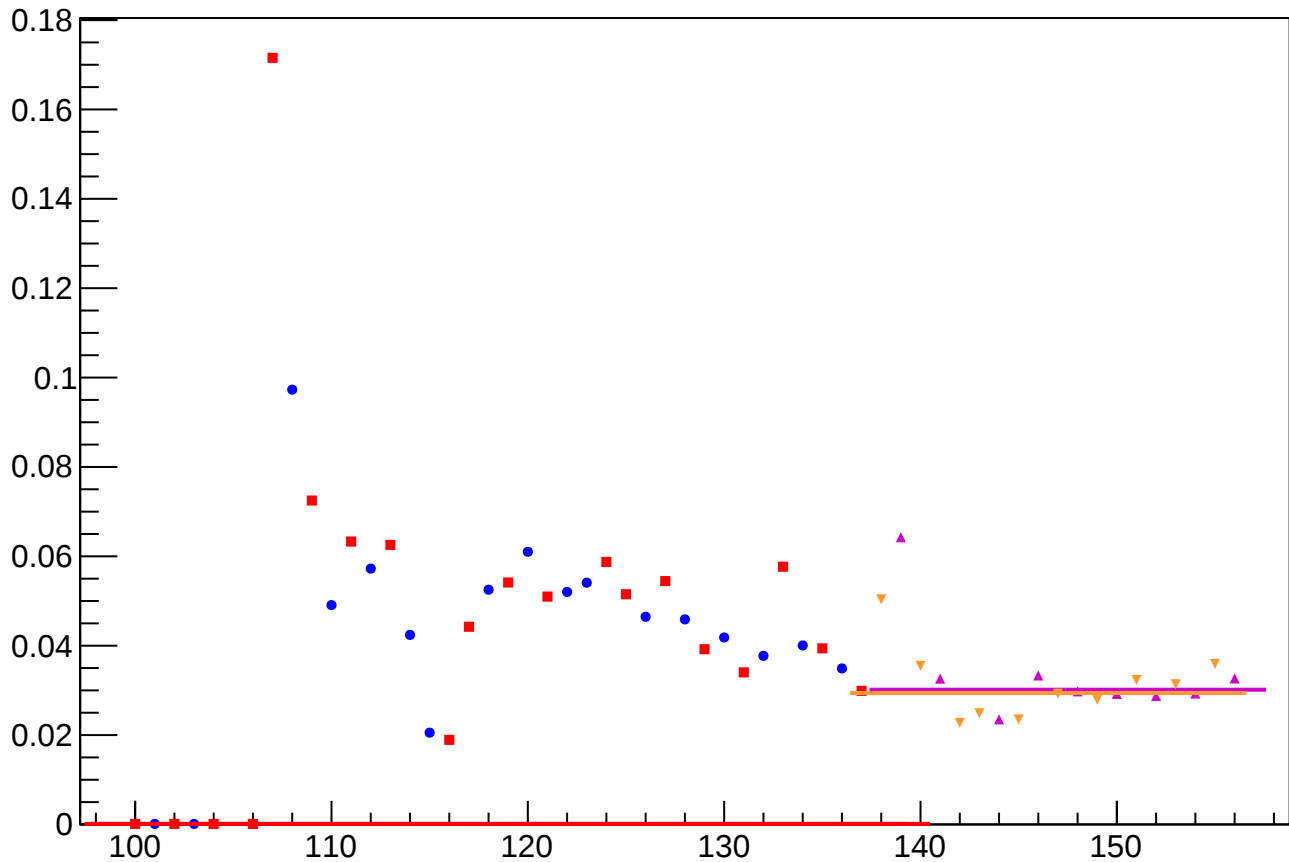
6.531 $\pm$ 0.000 χ^2 /NDF: 471052324064.6/26

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755964092355063.0/19

5.827 $\pm$ 0.000 χ^2 /NDF: 756232799922646.8/28

Left In: -0.710 $\pm$ 0.000 χ^2 /NDF: 54068764.2/8

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.029+/-0.000 χ^2/NDF : 459272.2/9

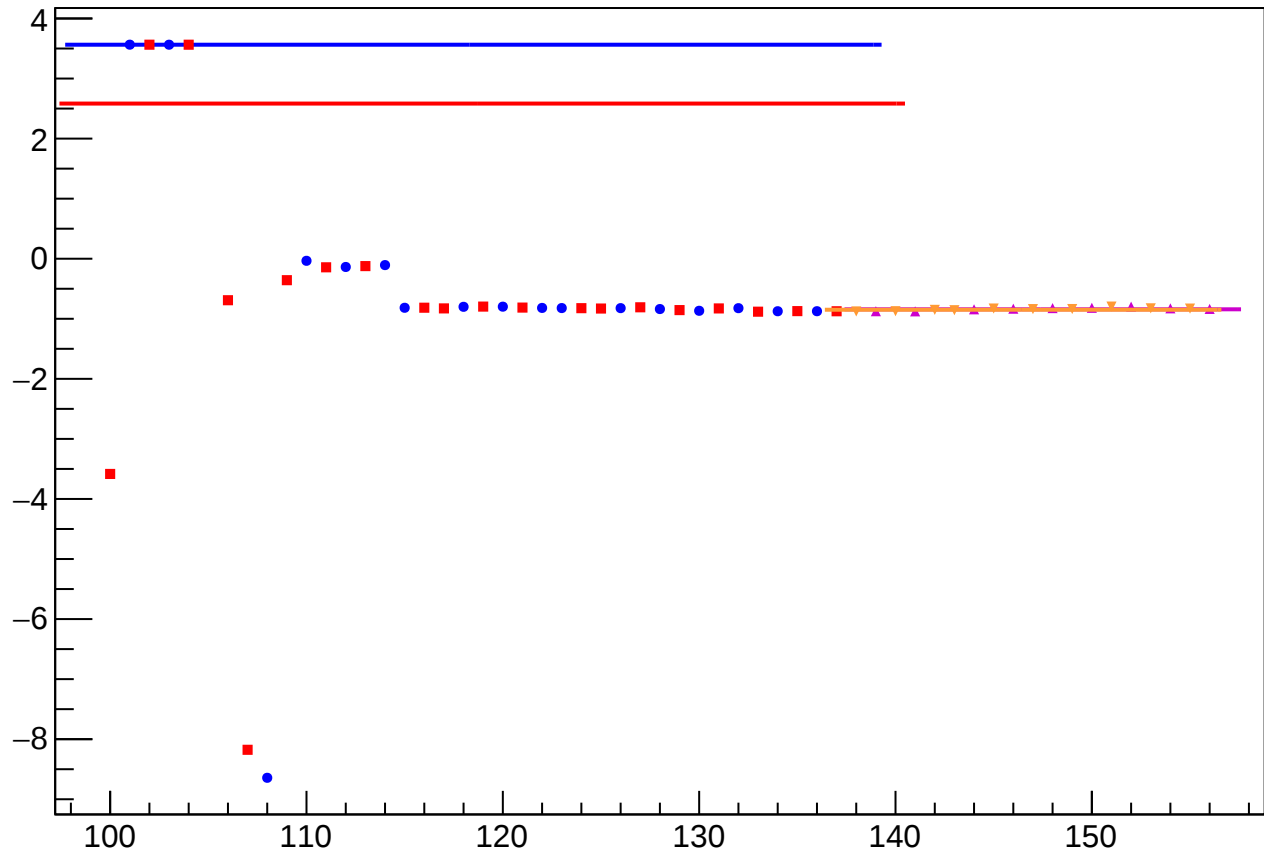
Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

Left In: 0.030+/-0.000 χ^2/NDF : 526095.4/8

0.000+/-0.000 χ^2/NDF : 20499477.9/26

0.000+/-0.000 χ^2/NDF : 21292183.8/28

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.849+/-0.000 χ^2/NDF : 34929776.0/9

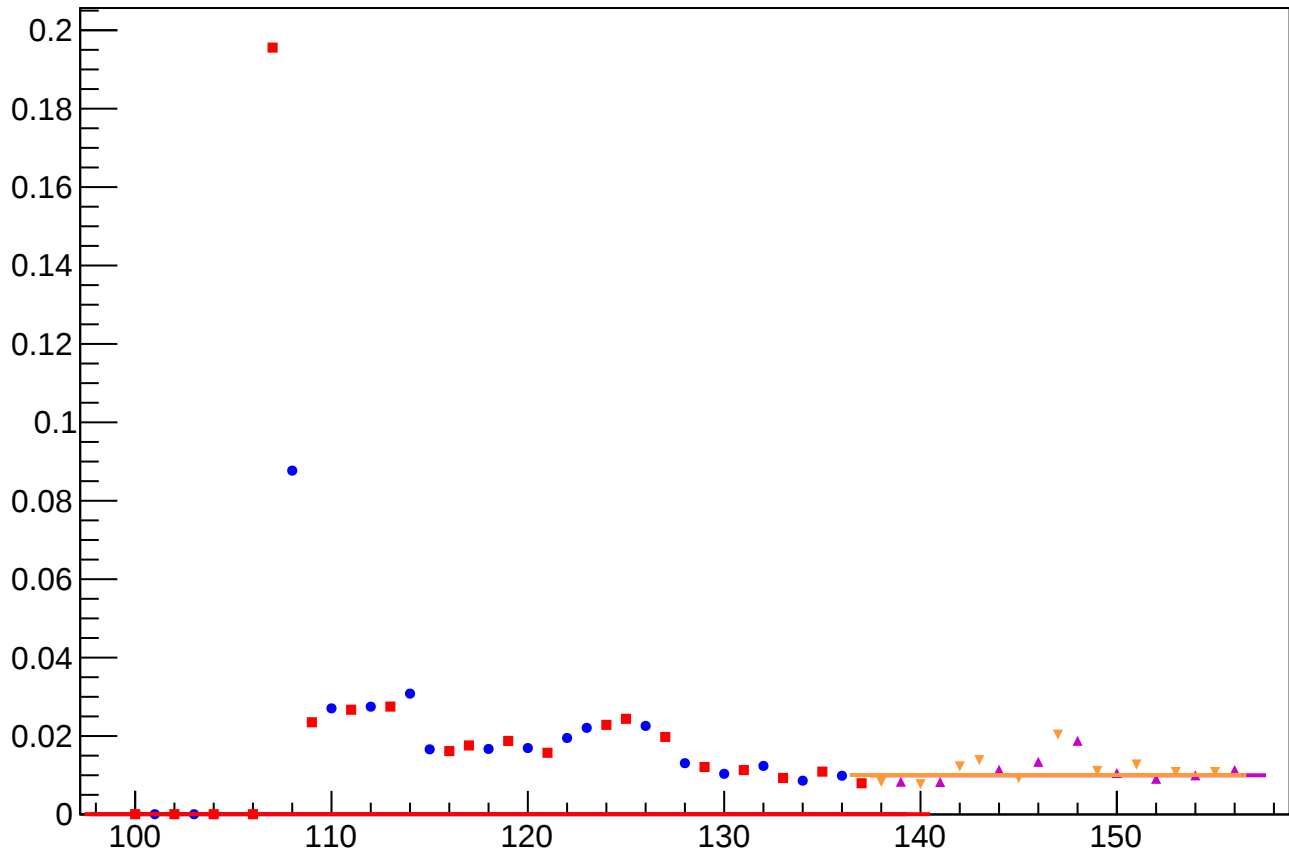
Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

Left In: -0.842+/-0.000 χ^2/NDF : 47236418.6/8

3.562+/-0.000 χ^2/NDF : 1541108647311.4/26

2.583+/-0.000 χ^2/NDF : 1254167040050588.0/26

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 : 722006.8/9

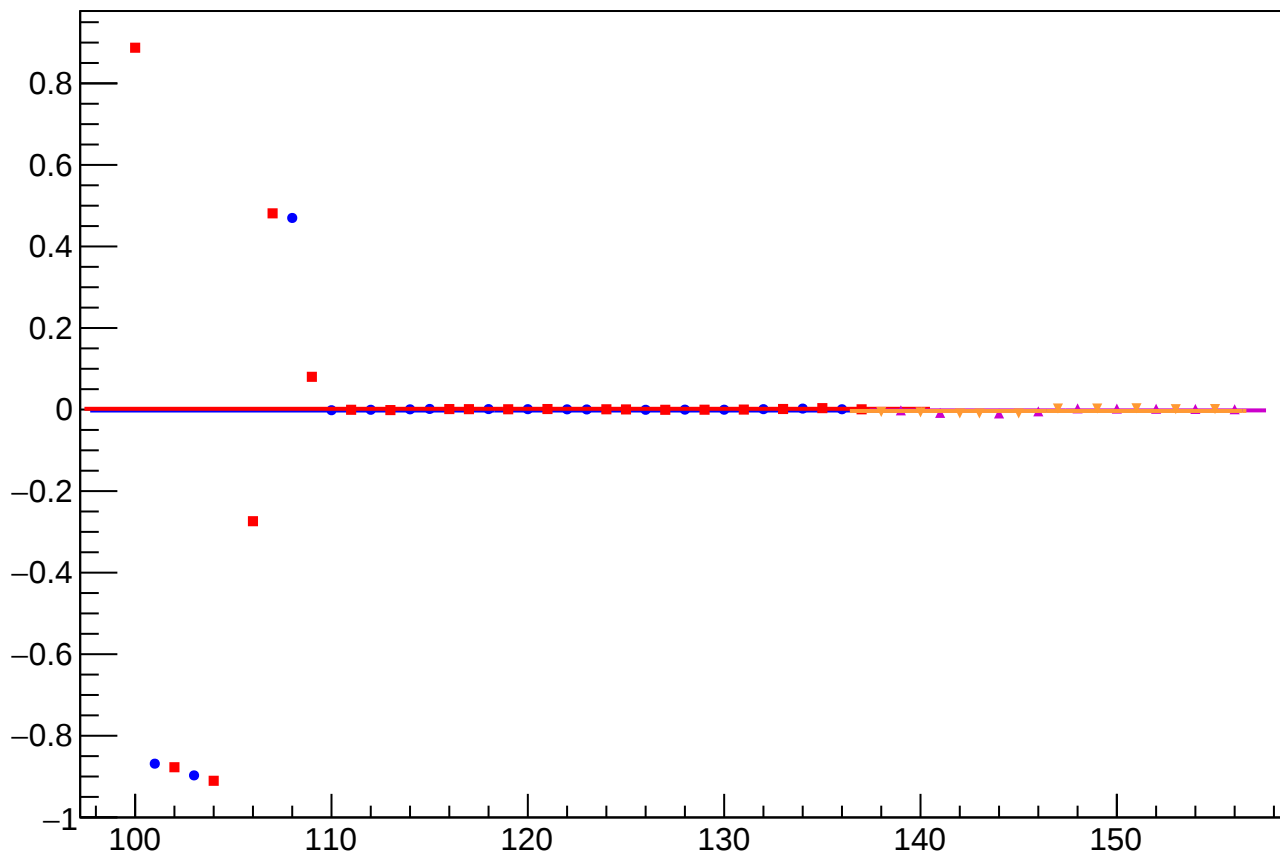
Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

Left In: 0.010+/-0.000 χ^2/NDF : 550564.7/8

0.000+/-0.000 χ^2/NDF : 21308186.8/26

0.000+/-0.000 χ^2/NDF : 21613582.9/28

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 : 72220819.0/9

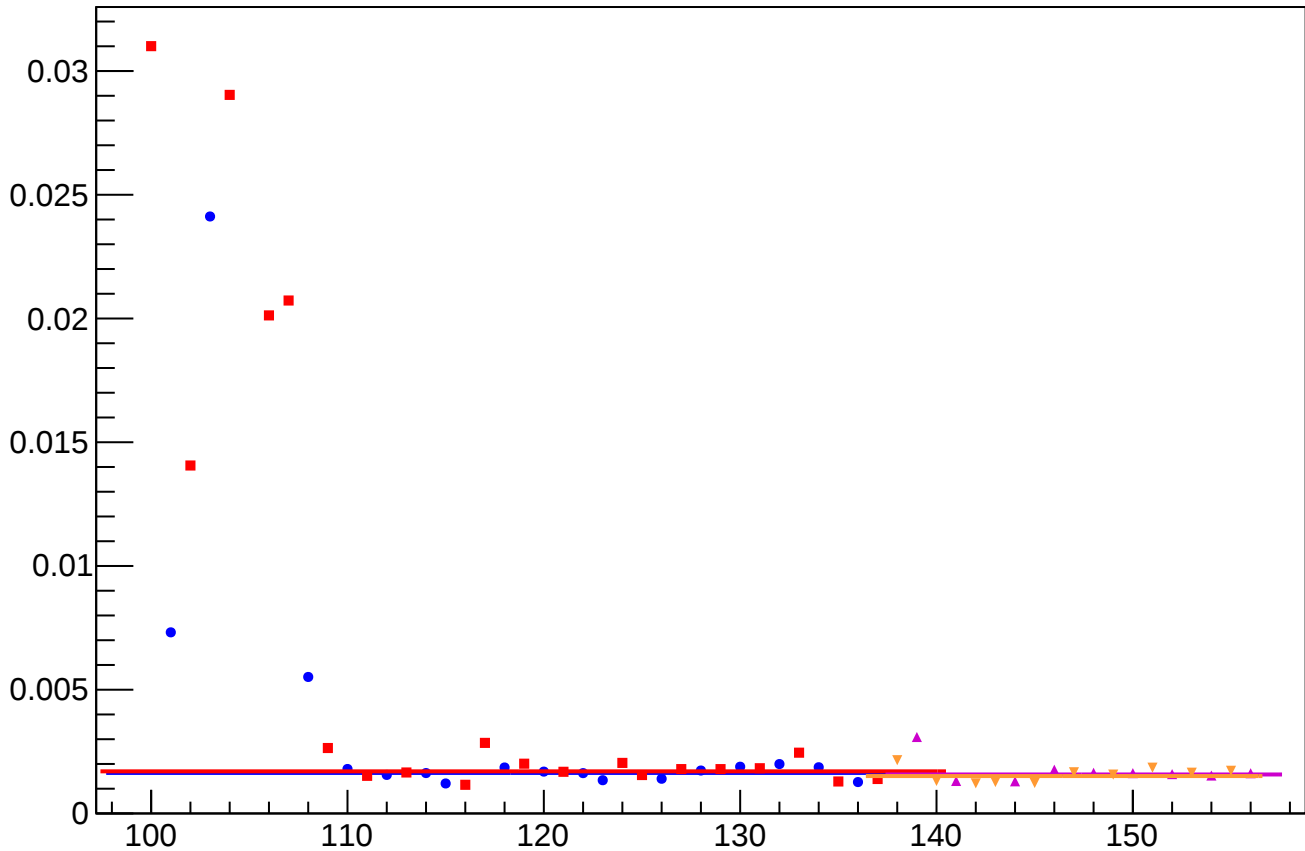
Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

Left In: -0.002+/-0.000 χ^2/NDF : 55434451.8/8

-0.003+/-0.000 χ^2/NDF : 9868279969.5/26

-0.000+/-0.000 χ^2/NDF : 3110839460.8/28

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 : 341072.7/9

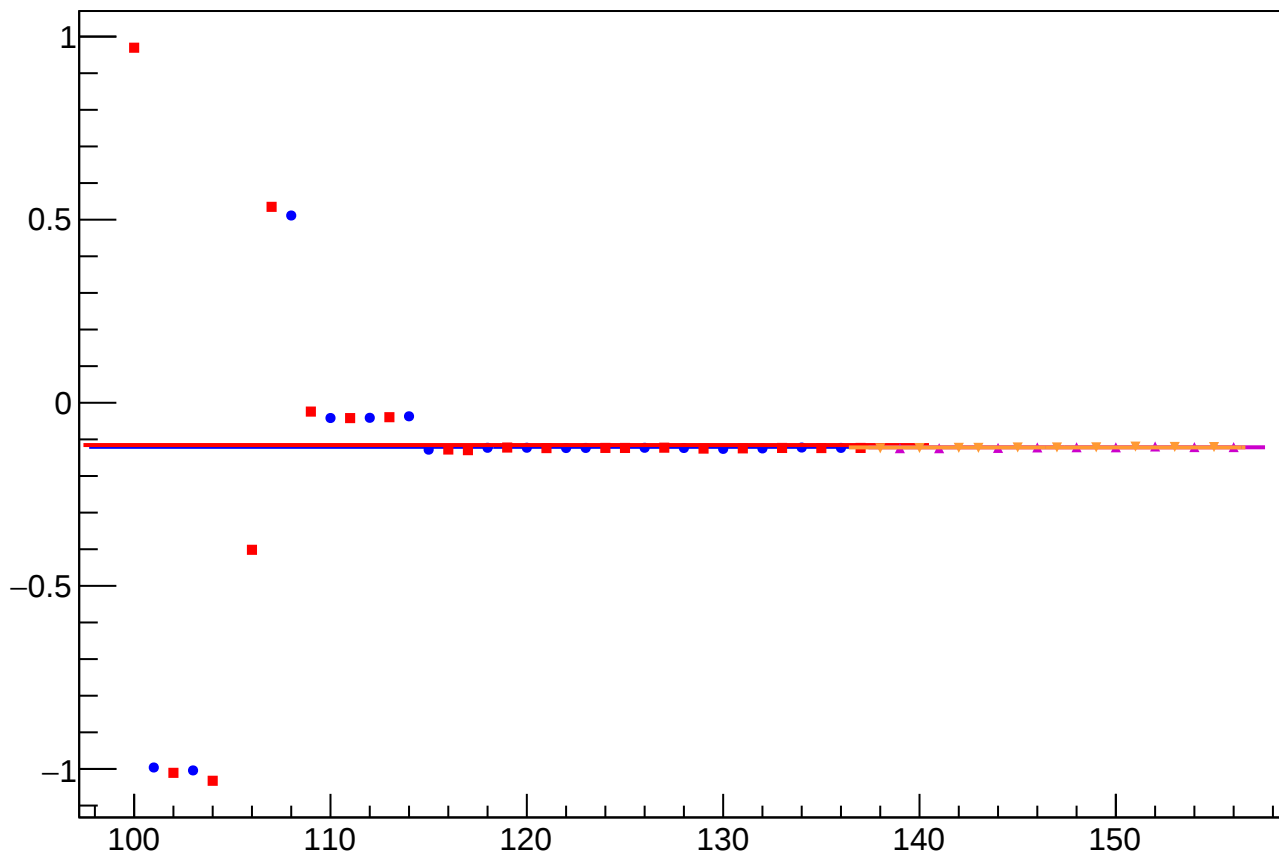
Right Out: 0.002+/-0.000 χ^2/NDF : 3037006.7/19

Left In: 0.002+/-0.000 χ^2/NDF : 470587.7/8

0.002+/-0.000 χ^2/NDF : 2289525.0/26

0.002+/-0.000 χ^2/NDF : 3537256.3/28

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 : 9414575.3/9

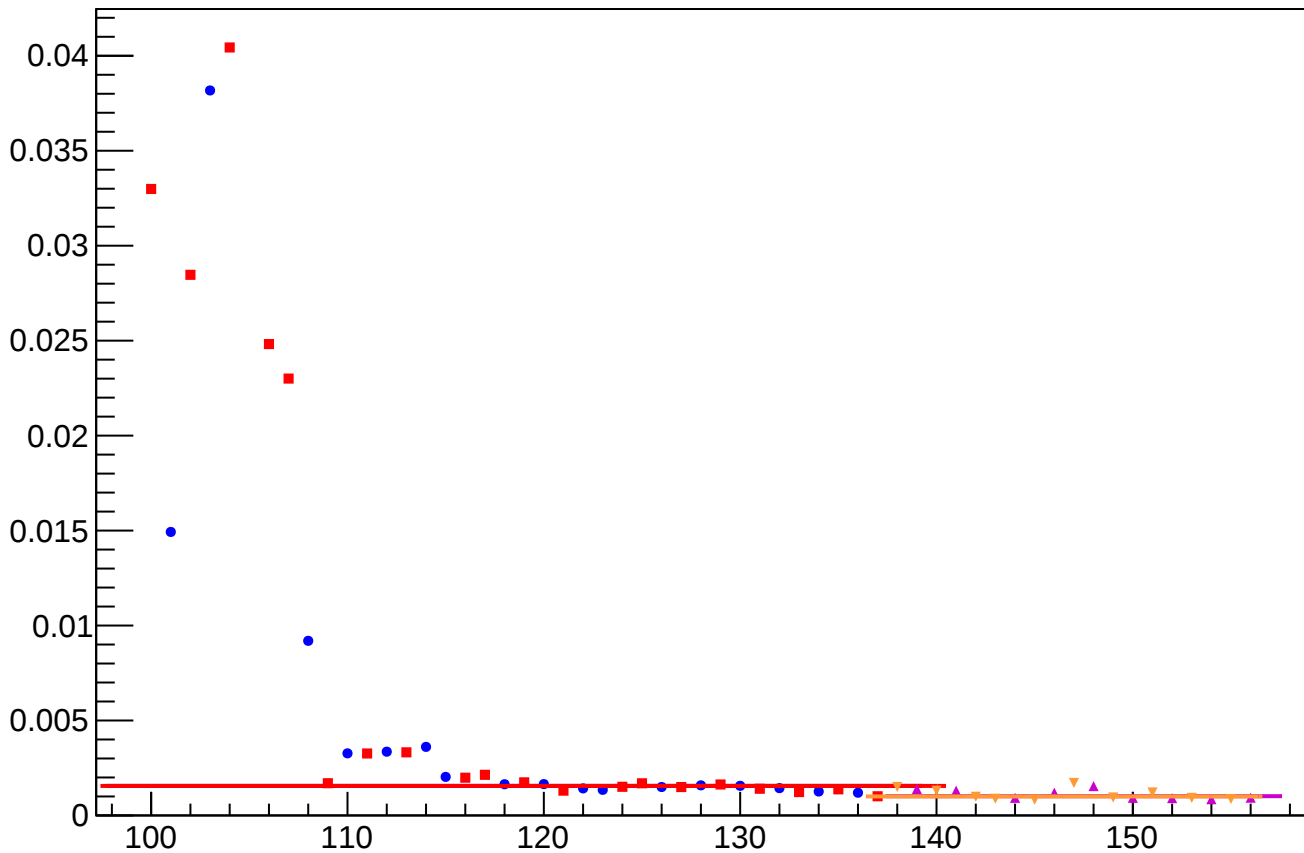
Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

Left In: -0.122+/-0.000 χ^2/NDF : 12852970.2/8

-0.122+/-0.000 χ^2/NDF : 3945165691.9/26

-0.120+/-0.000 χ^2/NDF : 2526412138.7/28

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 : 654469.4/9

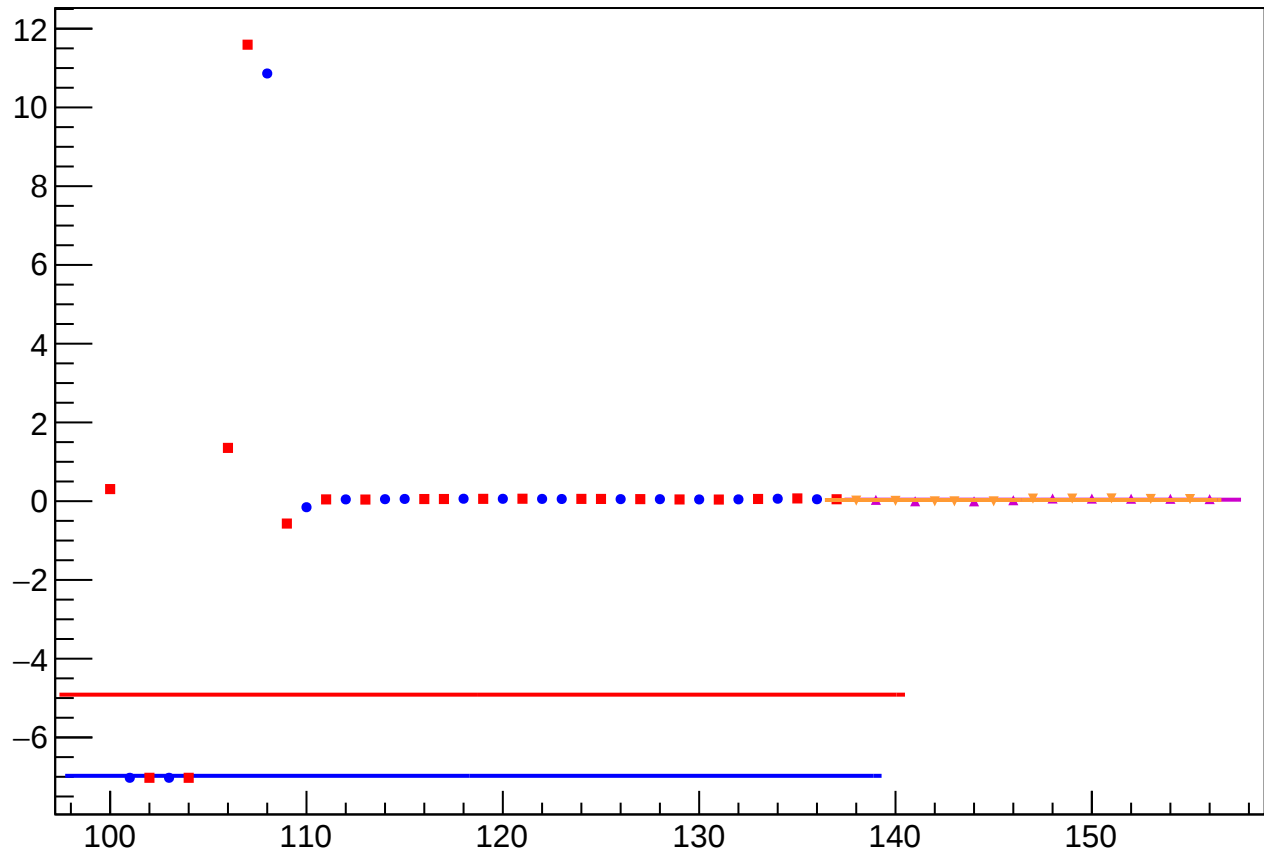
Right Out: 0.002+/-0.000 χ^2/NDF : 3545212.9/19

Left In: 0.001+/-0.000 χ^2/NDF : 498750.4/8

0.001+/-0.000 χ^2/NDF : 4456200.1/26

0.001+/-0.000 χ^2/NDF : 4902575.3/28

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.030+/-0.000 χ^2/NDF : 70984615.6/9

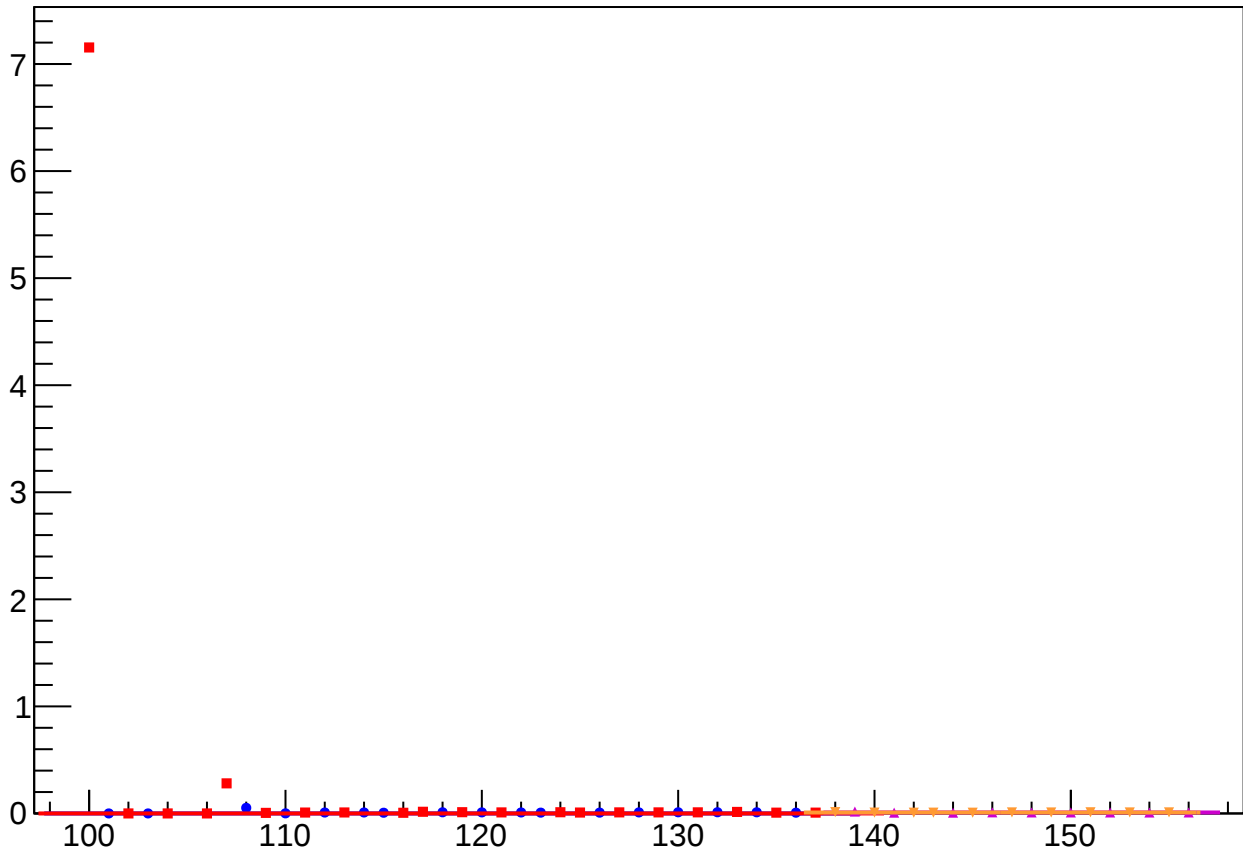
Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

Left In: 0.038+/-0.000 χ^2/NDF : 59585165.5/8

-6.956+/-0.000 χ^2/NDF : 12211347742392.3/26

-4.902+/-0.000 χ^2/NDF : 367013540469166.9/2

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 :343699.5/9

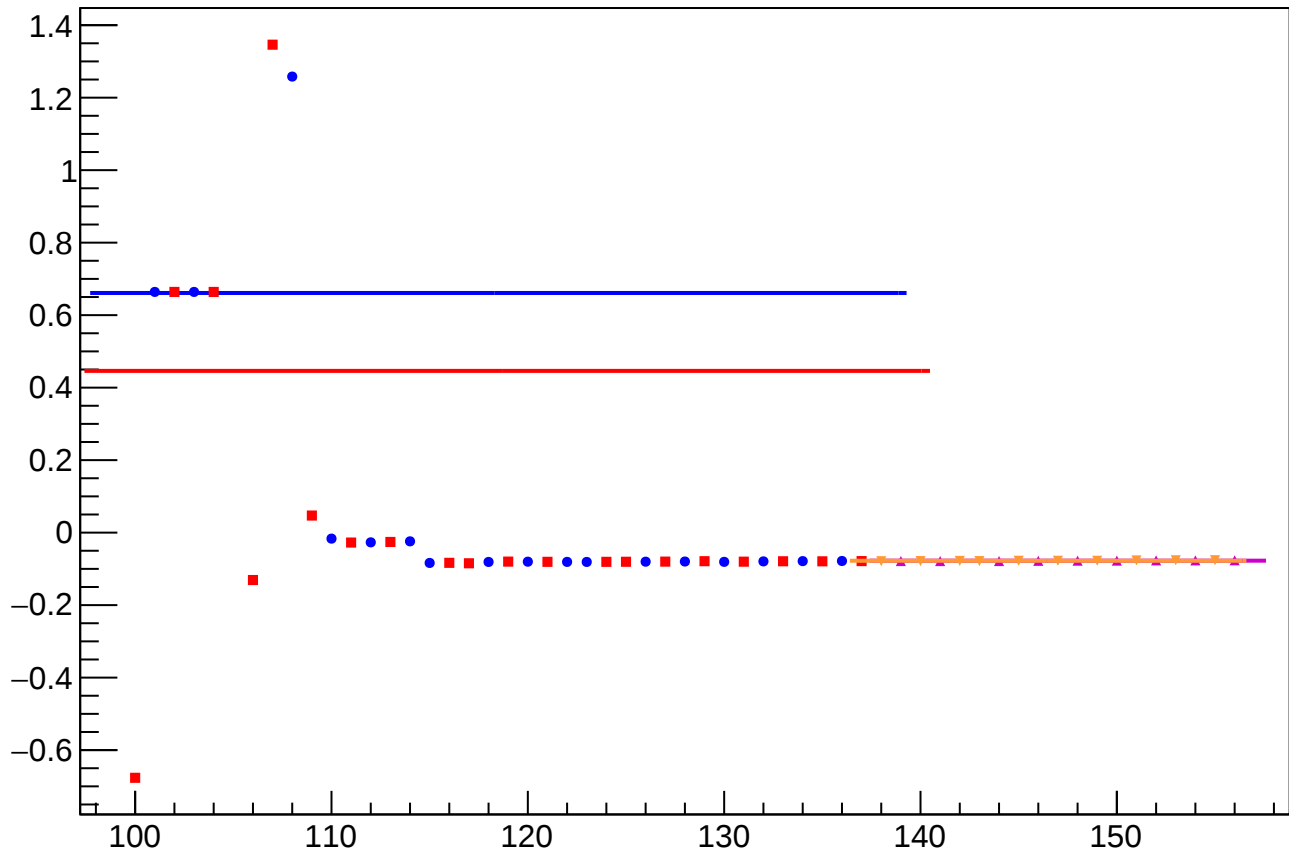
0.000+/-0.000 χ^2/NDF : 19324630.0/26

Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

0.000+/-0.000 χ^2/NDF : 20322689.3/28

Left In: 0.009+/-0.000 χ^2/NDF :470316.2/8

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.078+/-0.000 χ^2/NDF : 18588272.2/9

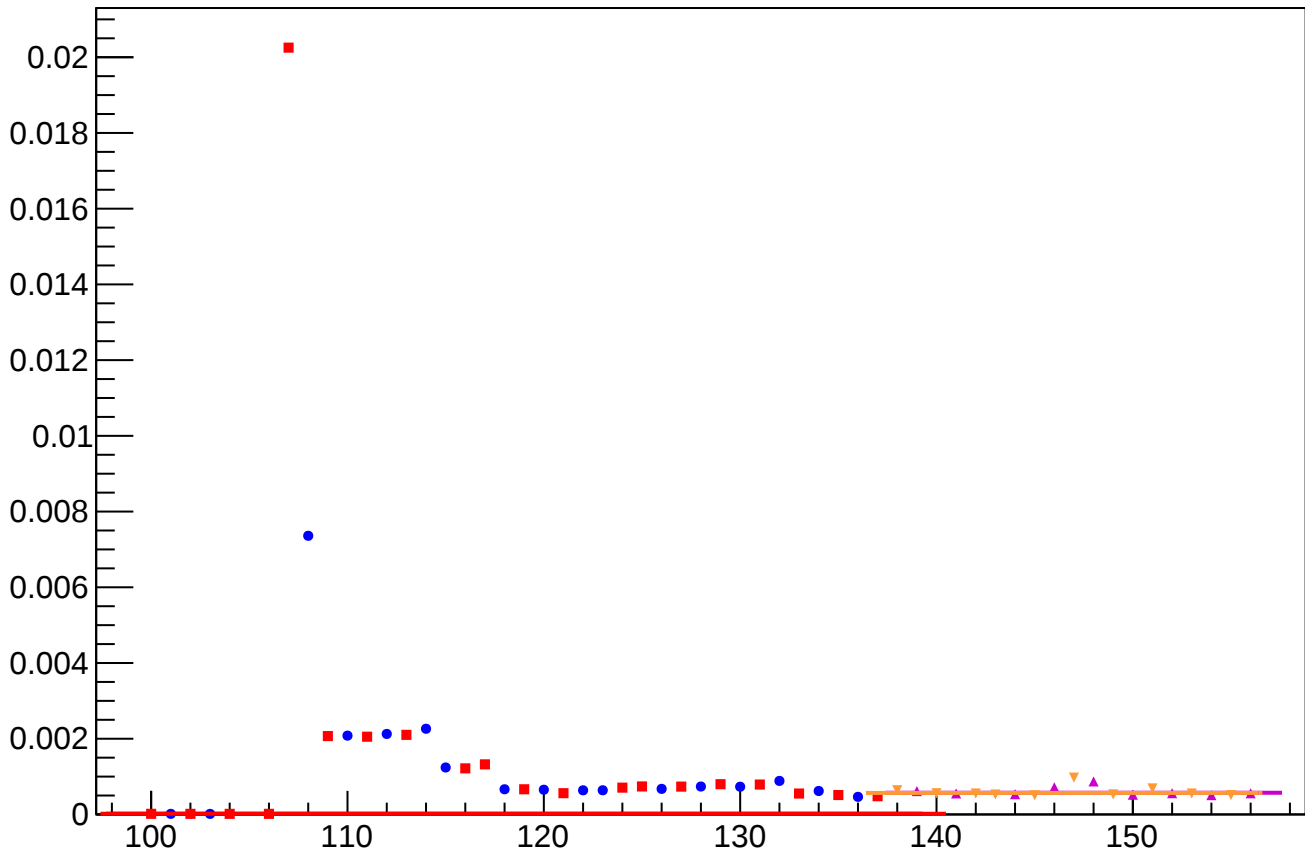
Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

Left In: -0.077+/-0.000 χ^2/NDF : 14851429.4/8

0.655+/-0.000 χ^2/NDF : 17038838397587.5/26

0.442+/-0.000 χ^2/NDF : 411184341881769.6/28

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 : 378616.9/9

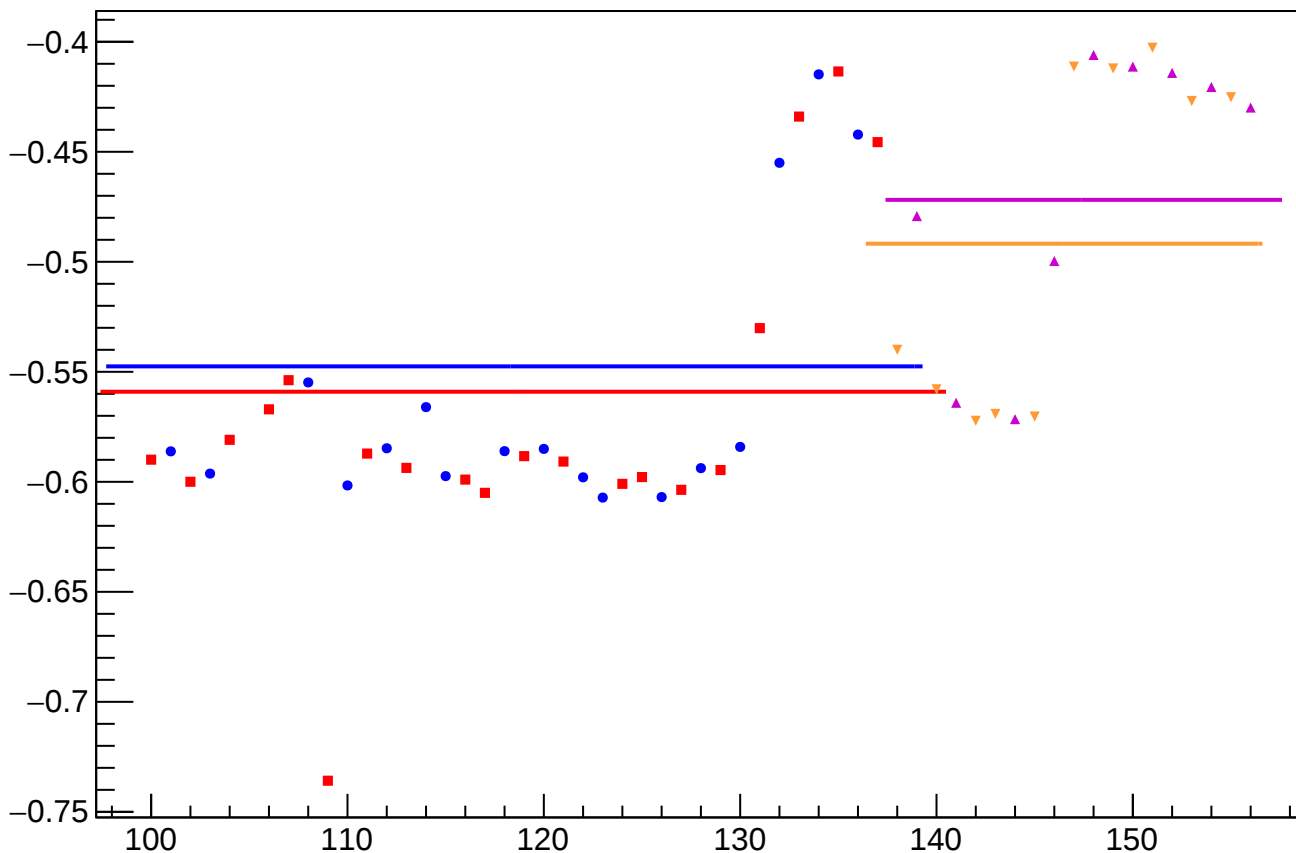
Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

Left In: 0.001+/-0.000 χ^2/NDF : 301521.0/8

0.000+/-0.000 χ^2/NDF : 22946782.2/26

0.000+/-0.000 χ^2/NDF : 22805027.0/28

yield_bpm4aX_mean vs Slug



Right In: -0.548 ± 0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.492 ± 0.000 χ^2/NDF : 80403821.0/9

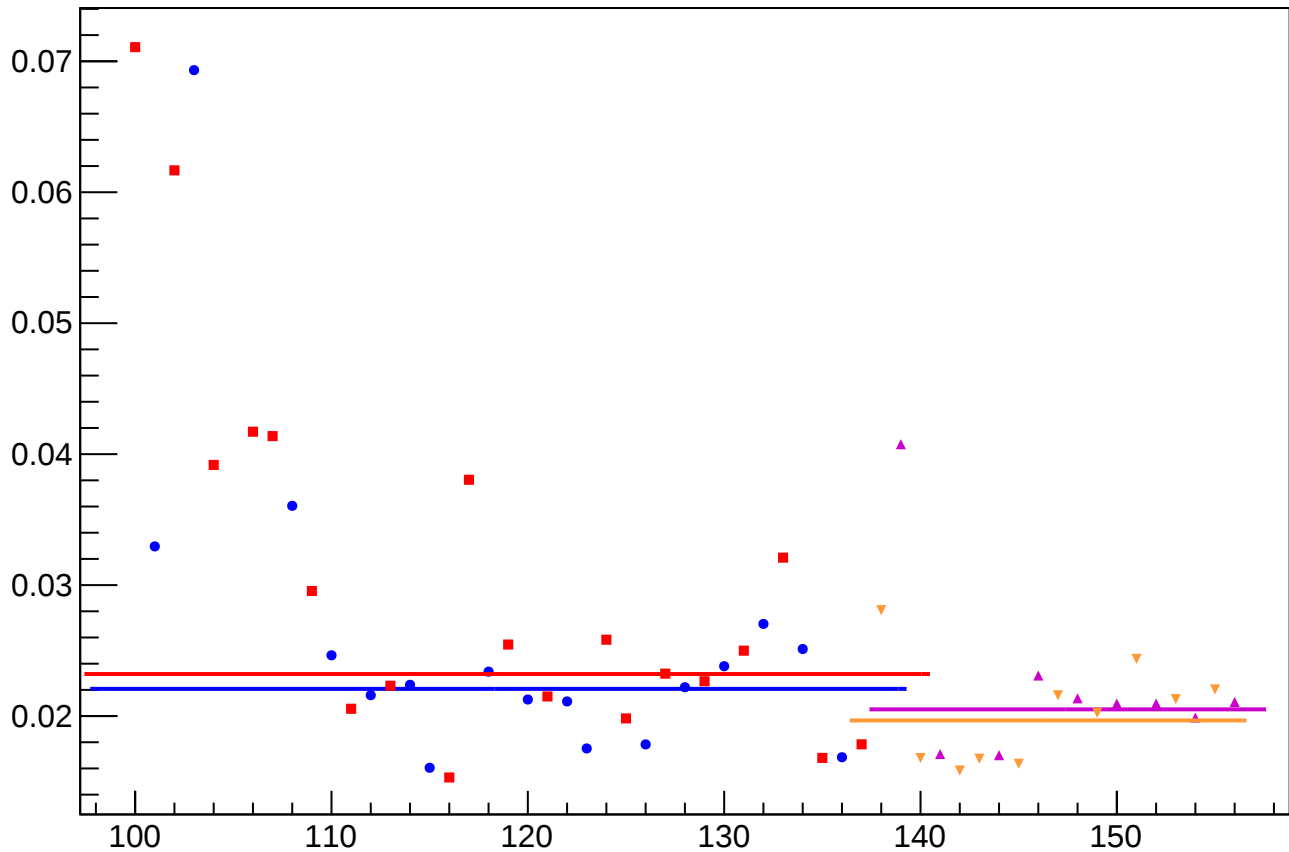
Right Out: -0.559 ± 0.000 χ^2/NDF : 65389755.0/19

Left In: -0.472 ± 0.000 χ^2/NDF : 63669089.2/8

-0.515 ± 0.000 χ^2/NDF : 147691120.6/26

-0.509 ± 0.000 χ^2/NDF : 172712868.1/28

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 : 328200.4/9

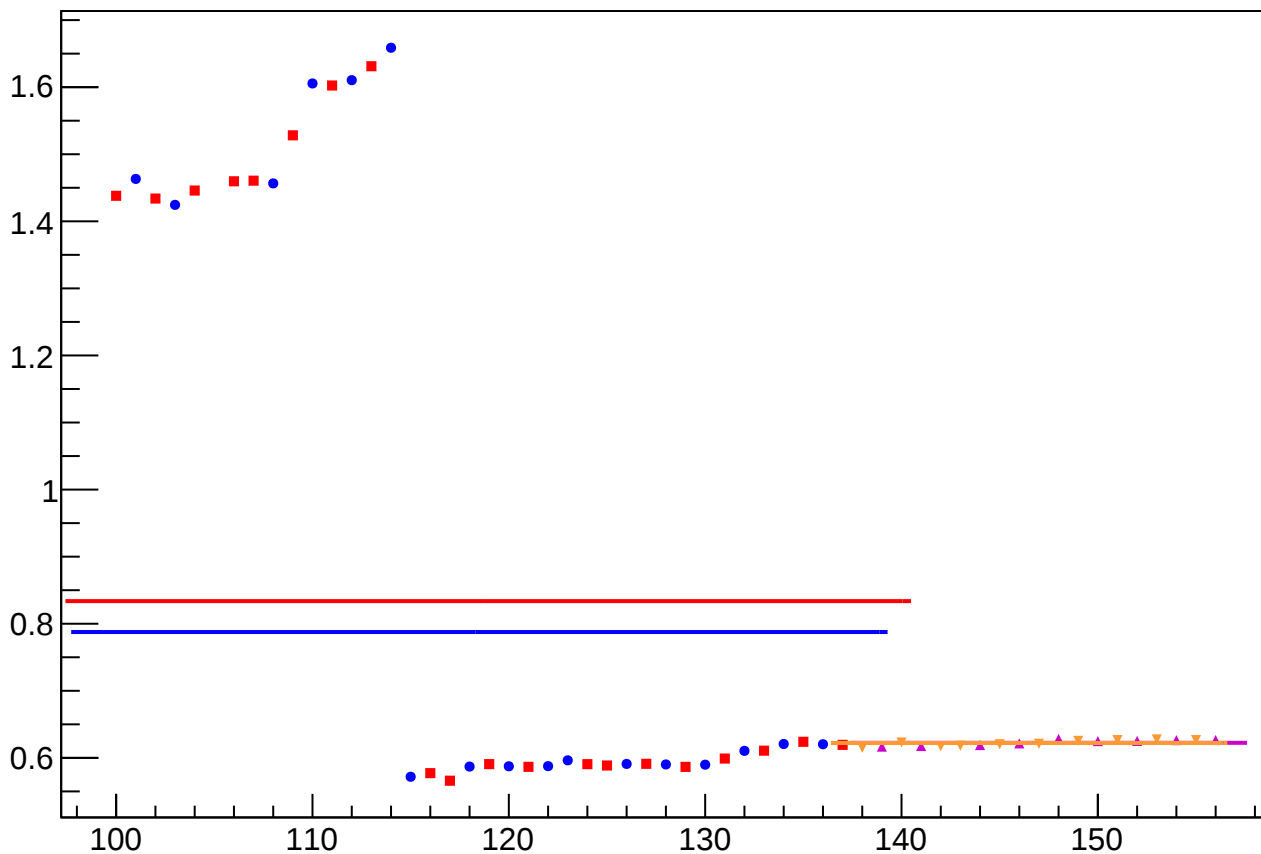
Right Out: 0.023+/-0.000 χ^2/NDF : 1169013.8/19

Left In: 0.021+/-0.000 χ^2/NDF : 476384.5/8

0.021+/-0.000 χ^2/NDF : 1353117.1/26

0.022+/-0.000 χ^2/NDF : 1729023.0/28

yield_bpm4aY_mean vs Slug



Right In: 0.788+/-0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.622+/-0.000 χ^2/NDF : 778783.3/9

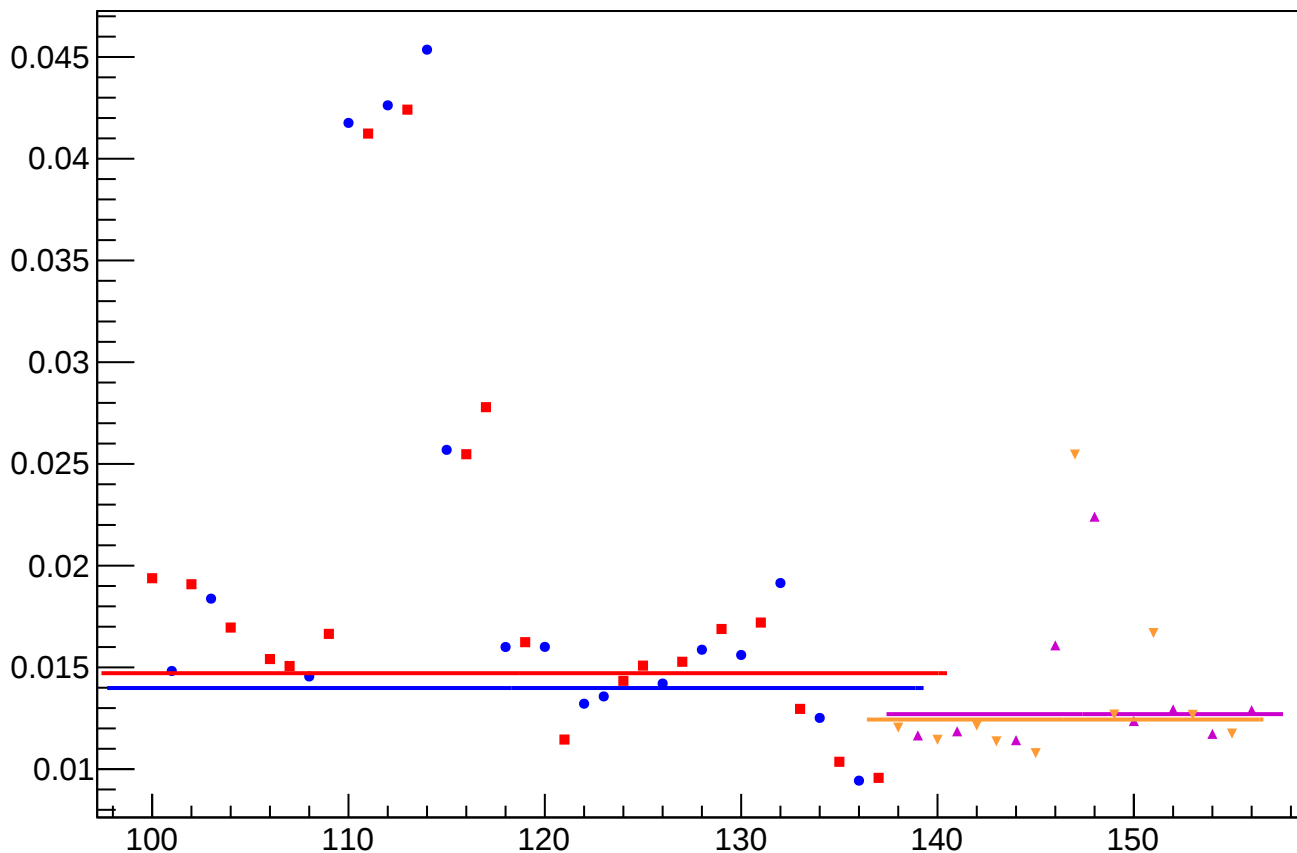
Right Out: 0.834+/-0.000 χ^2/NDF : 4155673215.9/19

Left In: 0.622+/-0.000 χ^2/NDF : 680152.6/8

0.688+/-0.000 χ^2/NDF : 4057762962.3/26

0.706+/-0.000 χ^2/NDF : 4910370522.0/28

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.012+/-0.000 χ^2/NDF :547599.9/9

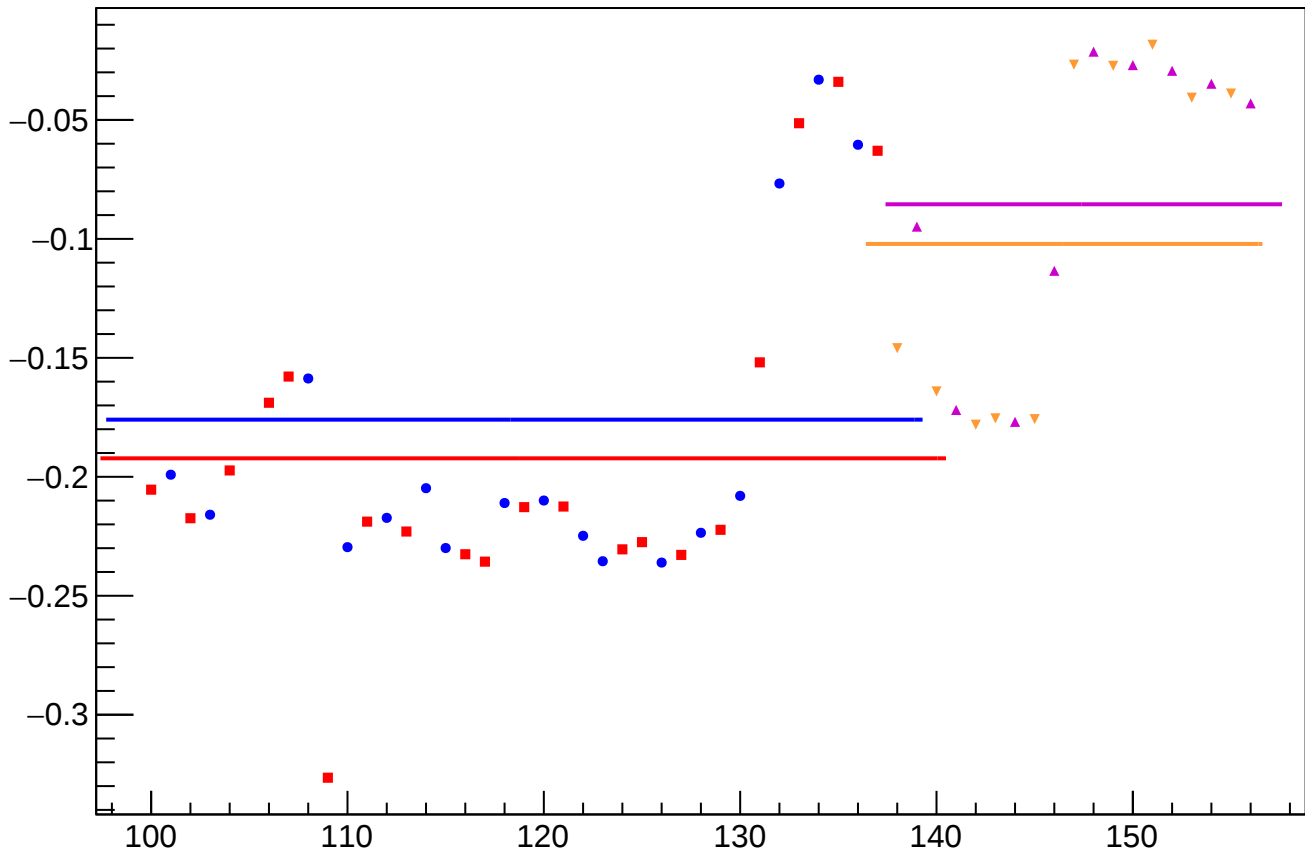
Right Out: 0.015+/-0.000 χ^2/NDF : 1275472.3/19

Left In: 0.013+/-0.000 χ^2/NDF :403320.4/8

0.013+/-0.000 χ^2/NDF : 2029483.0/26

0.013+/-0.000 χ^2/NDF : 1815517.8/28

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.102+/-0.000 χ^2/NDF : 78036537.7/9

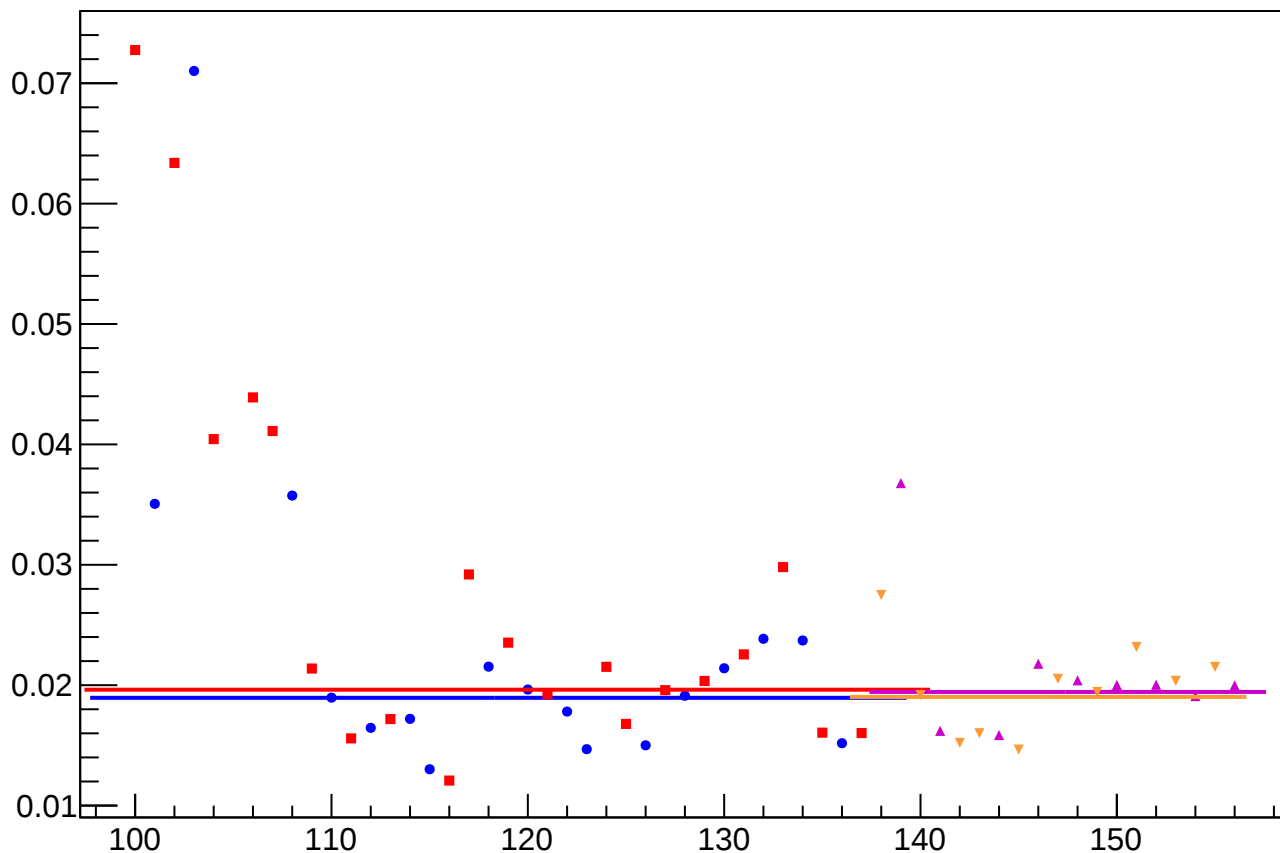
Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

Left In: -0.085+/-0.000 χ^2/NDF : 64688231.6/8

-0.137+/-0.000 χ^2/NDF : 188135086.9/26

-0.136+/-0.000 χ^2/NDF : 229828762.6/28

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.019+/-0.000 χ^2/NDF : 358469.1/9

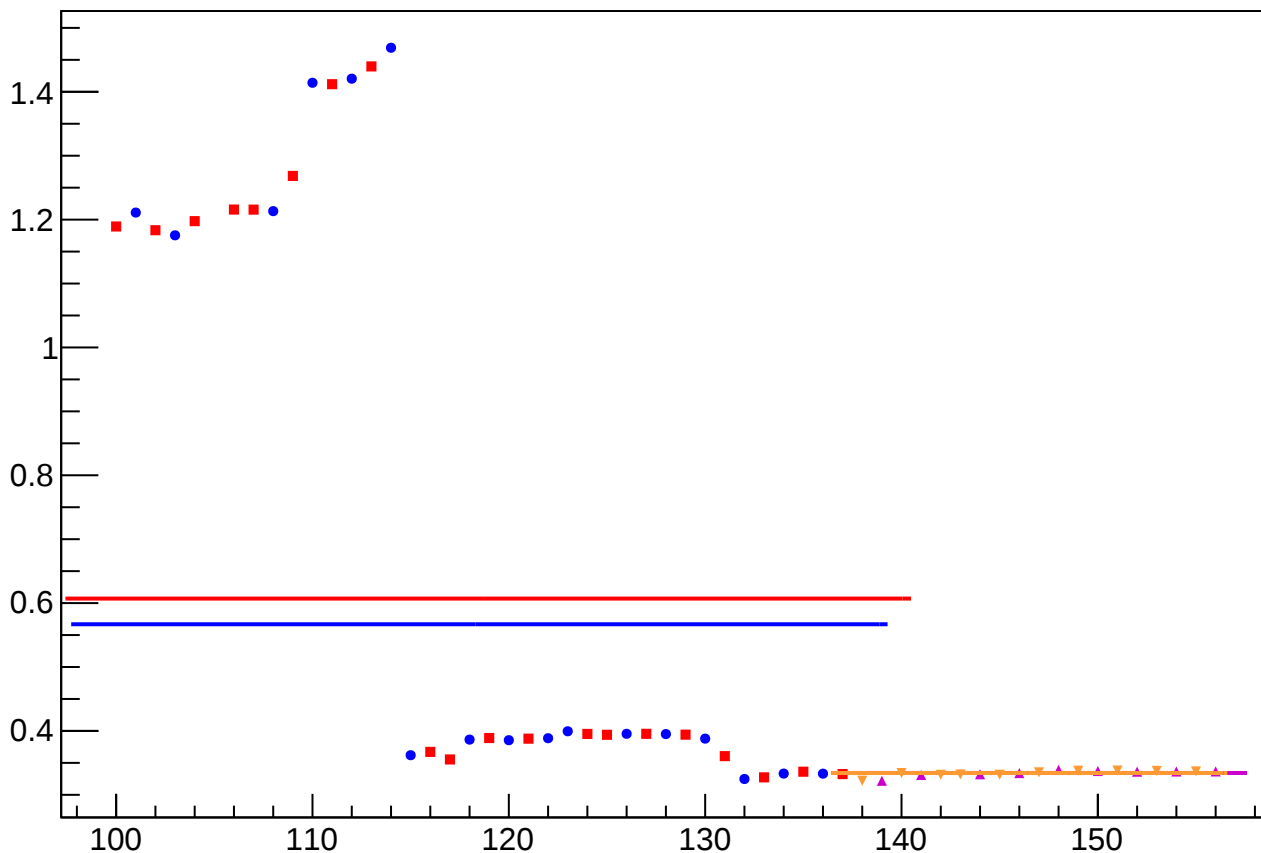
Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

Left In: 0.019+/-0.000 χ^2/NDF : 453213.9/8

0.019+/-0.000 χ^2/NDF : 1561822.7/26

0.020+/-0.000 χ^2/NDF : 1917702.1/28

yield_bpm4eY_mean vs Slug



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 961073.7/9

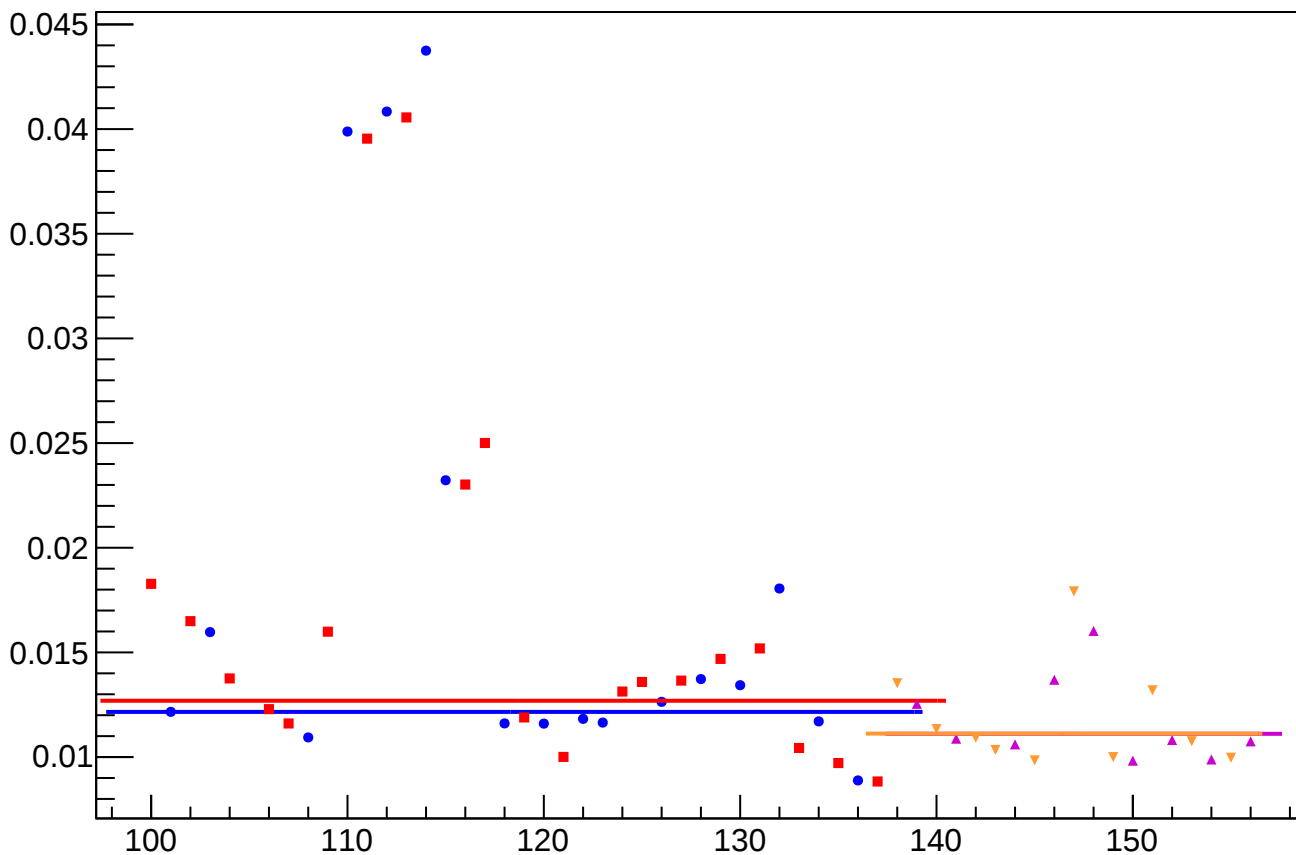
Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5509130775.3/19

Left In: 0.334 $\pm$ 0.000 χ^2 /NDF: 1037907.6/8

0.429 $\pm$ 0.000 χ^2 /NDF: 6236905068.3/26

0.442 $\pm$ 0.000 χ^2 /NDF: 7166458396.1/28

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 : 371089.3/9

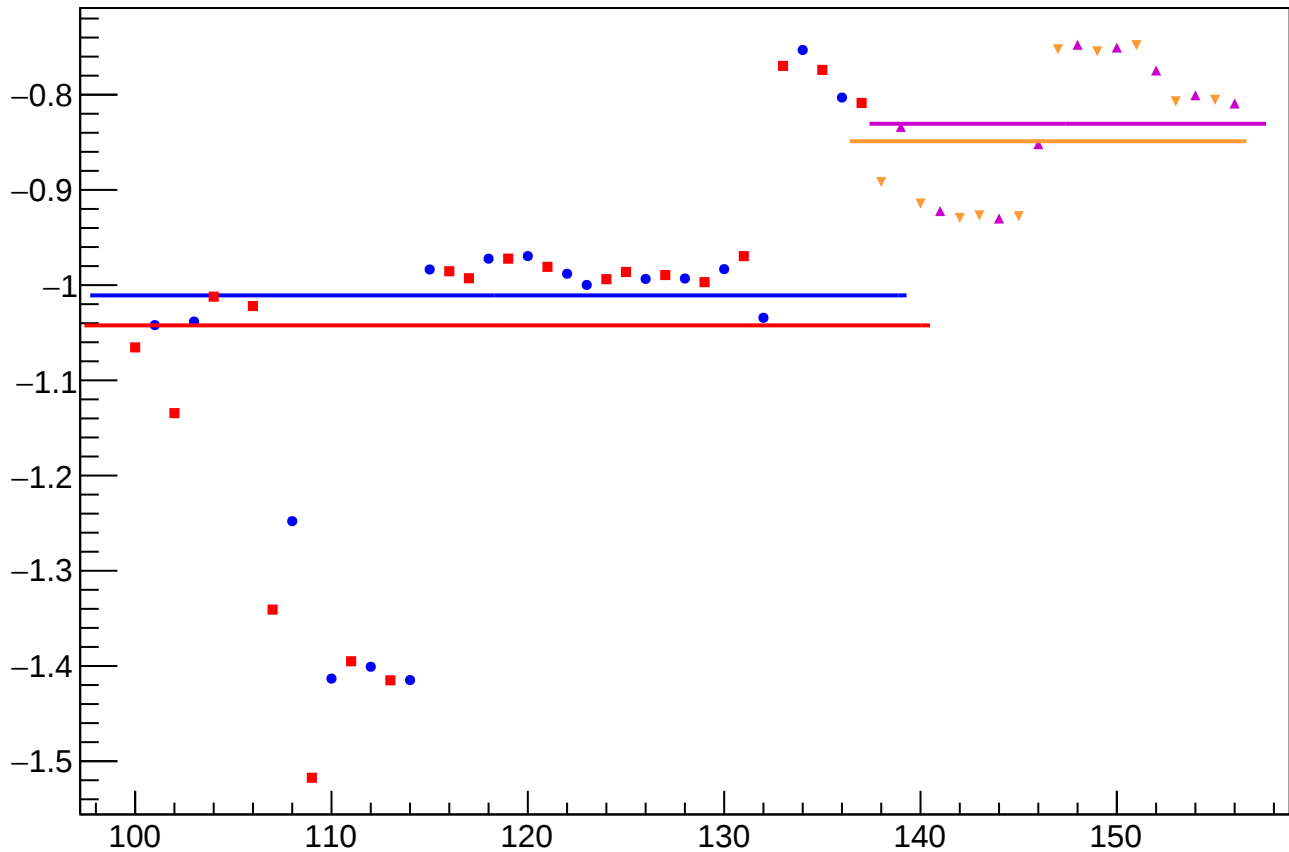
Right Out: 0.013+/-0.000 χ^2/NDF : 1285911.2/19

Left In: 0.011+/-0.000 χ^2/NDF : 278394.2/8

0.012+/-0.000 χ^2/NDF : 1727412.9/26

0.012+/-0.000 χ^2/NDF : 1675253.4/28

yield_bpm4acX_mean vs Slug



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.849+/-0.000 χ^2/NDF : 88016724.0/9

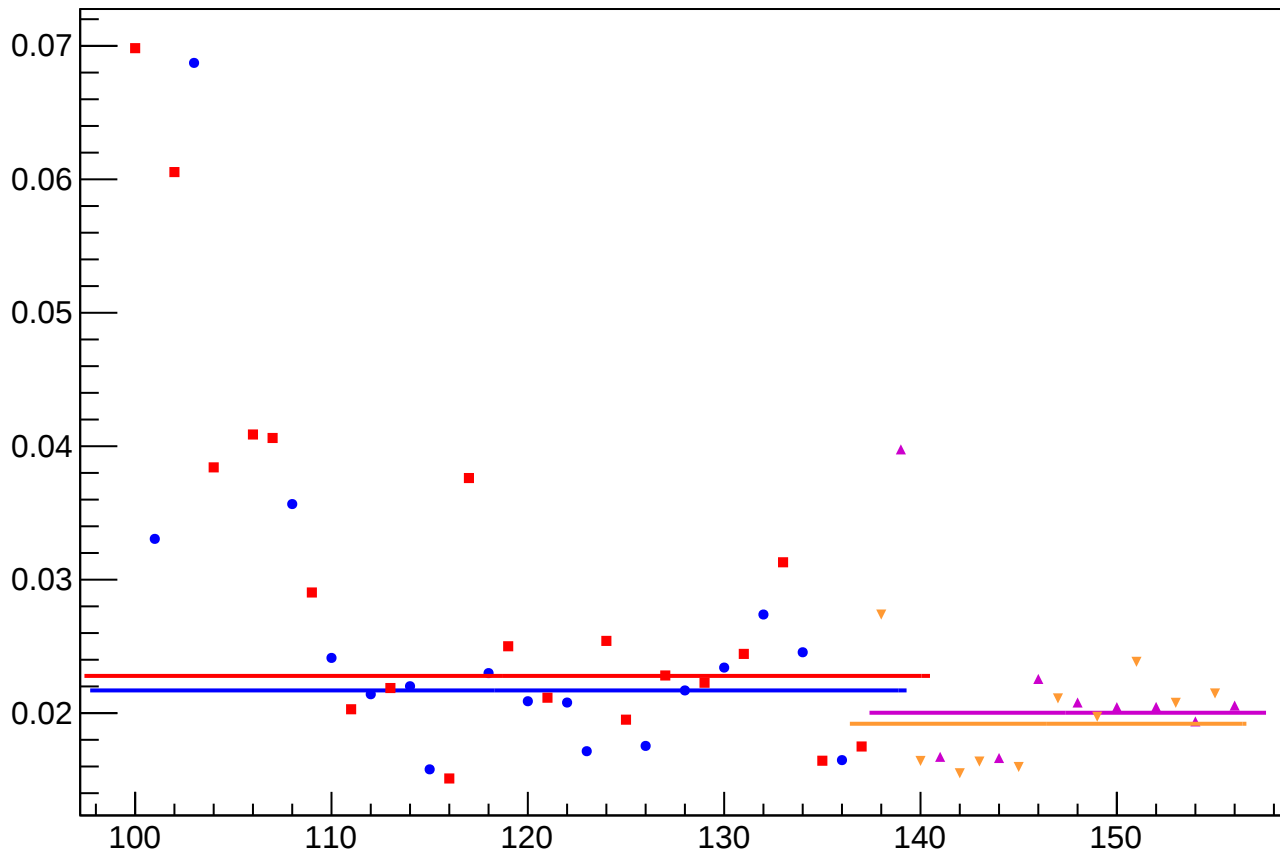
-0.916+/-0.000 χ^2/NDF : 639469777.0/26

Right Out: -1.042+/-0.000 χ^2/NDF : 529028760.6/19

-0.919+/-0.000 χ^2/NDF : 866311406.6/28

Left In: -0.831+/-0.000 χ^2/NDF : 69188275.7/8

yield_bpm4acX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 326732.3/9

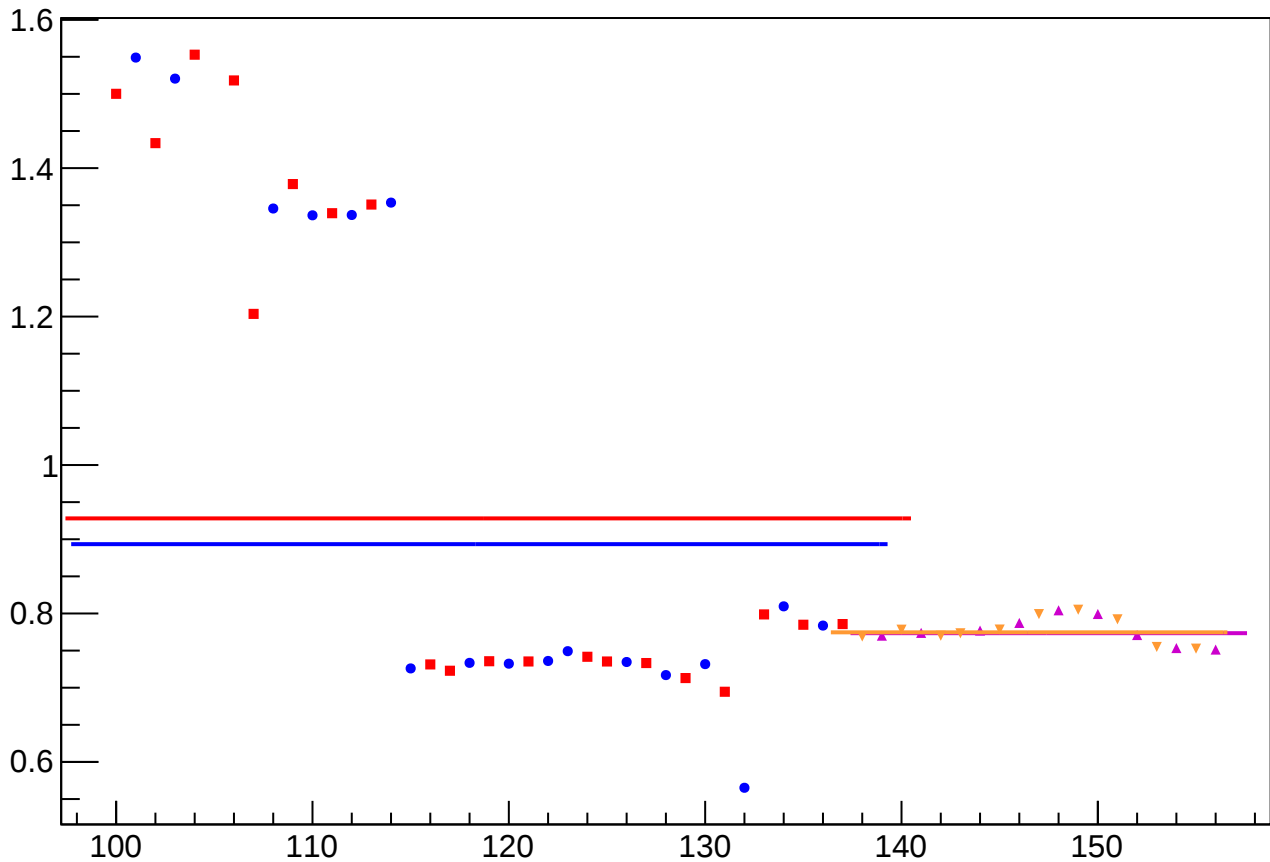
Right Out: 0.023+/-0.000 χ^2/NDF : 1164870.4/19

Left In: 0.020+/-0.000 χ^2/NDF : 473940.7/8

0.020+/-0.000 χ^2/NDF : 1384212.7/26

0.021+/-0.000 χ^2/NDF : 1729957.1/28

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.775+/-0.000 χ^2/NDF :11016201.1/9

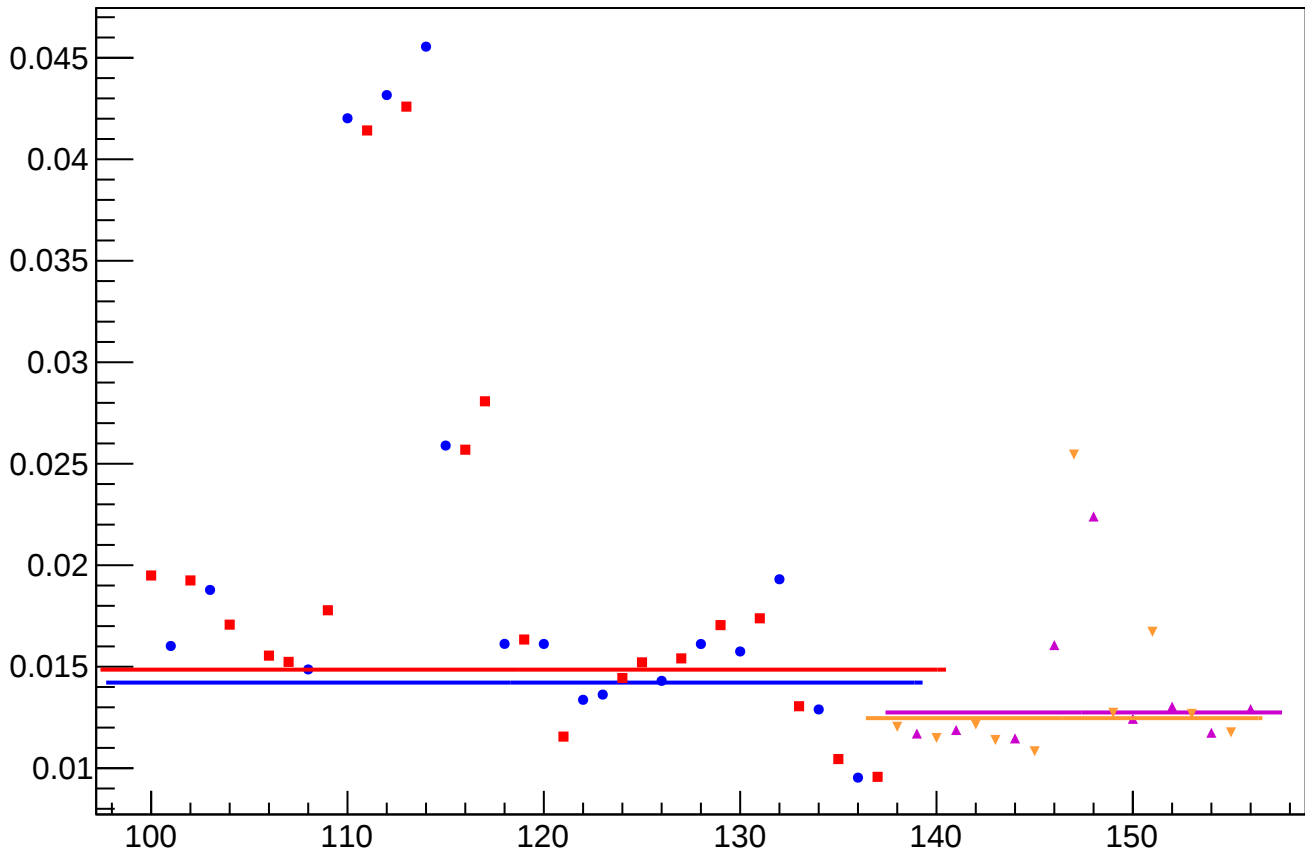
0.821+/-0.000 χ^2/NDF : 2658062421.2/26

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

0.834+/-0.000 χ^2/NDF : 2845490528.5/28

Left In: 0.773+/-0.000 χ^2/NDF :10536524.4/8

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.012+/-0.000 χ^2/NDF :544066.1/9

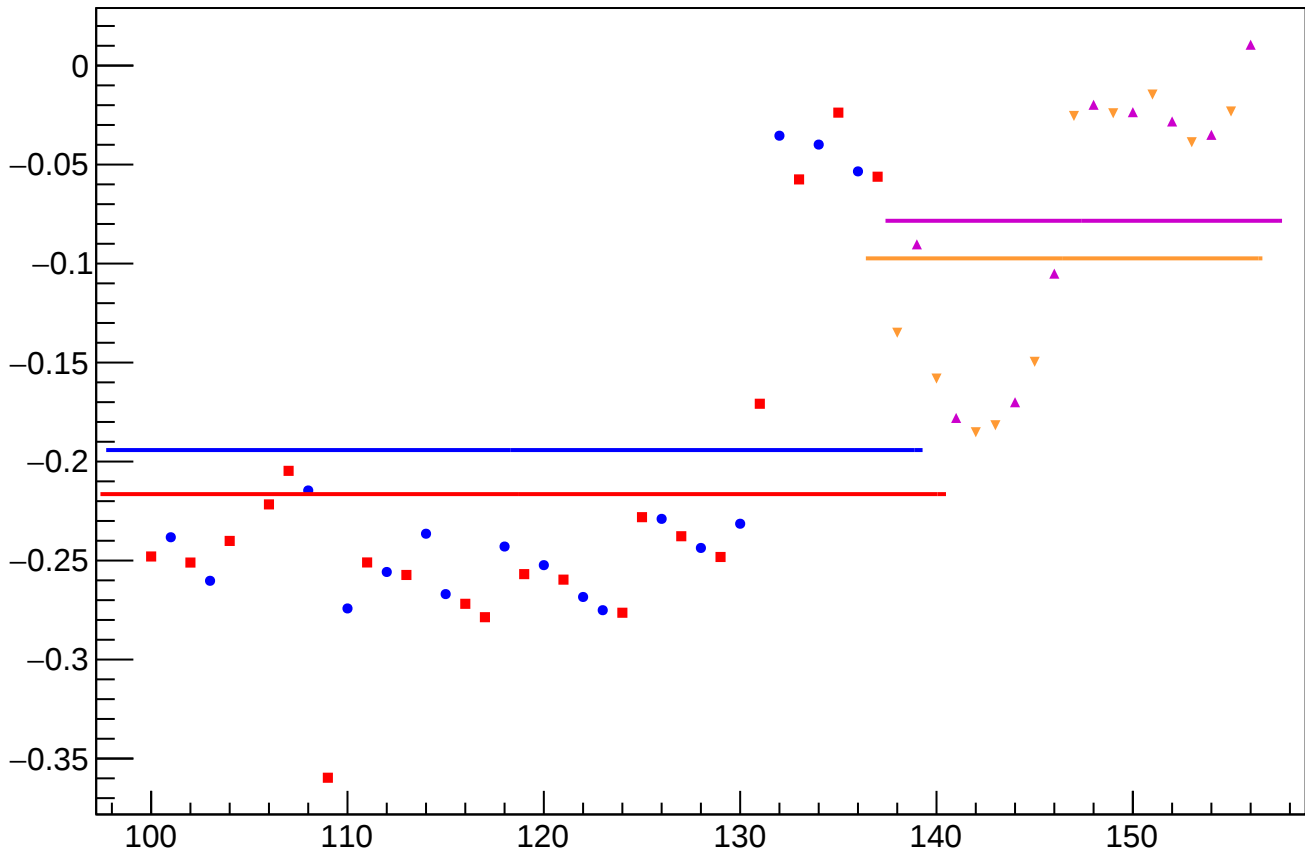
0.013+/-0.000 χ^2/NDF : 2057665.7/26

Right Out: 0.015+/-0.000 χ^2/NDF : 1286513.9/19

0.014+/-0.000 χ^2/NDF : 1833233.6/28

Left In: 0.013+/-0.000 χ^2/NDF :398893.1/8

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.097+/-0.000 χ^2/NDF : 76603105.7/9

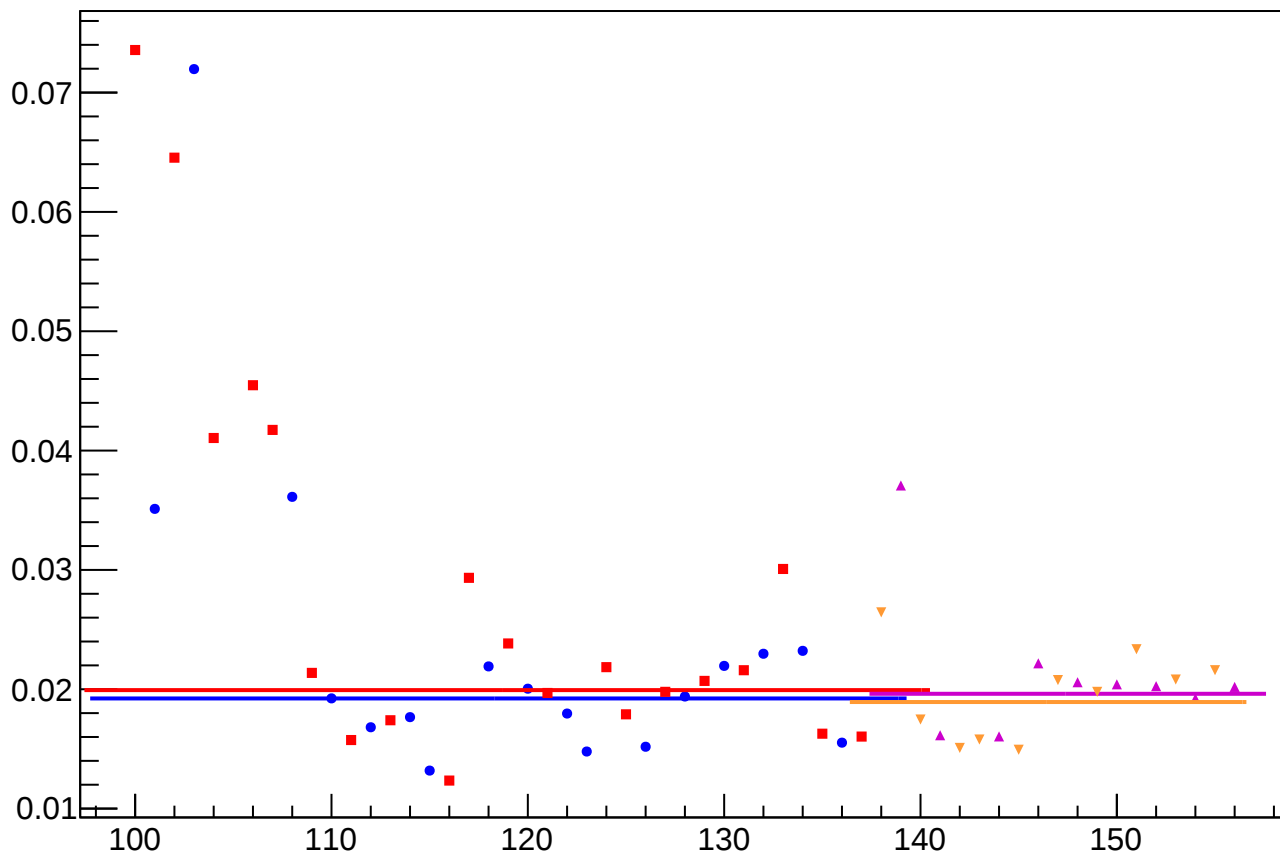
Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

Left In: -0.078+/-0.000 χ^2/NDF : 74775009.9/8

-0.142+/-0.000 χ^2/NDF : 252780935.8/26

-0.143+/-0.000 χ^2/NDF : 319219051.4/28

yield_bpm4ecX_rms vs Slug



Right In: 0.019 ± 0.000 $\chi^2/\text{NDF}: 1174577.3/16$

Left Out: 0.019 ± 0.000 $\chi^2/\text{NDF}: 350808.8/9$

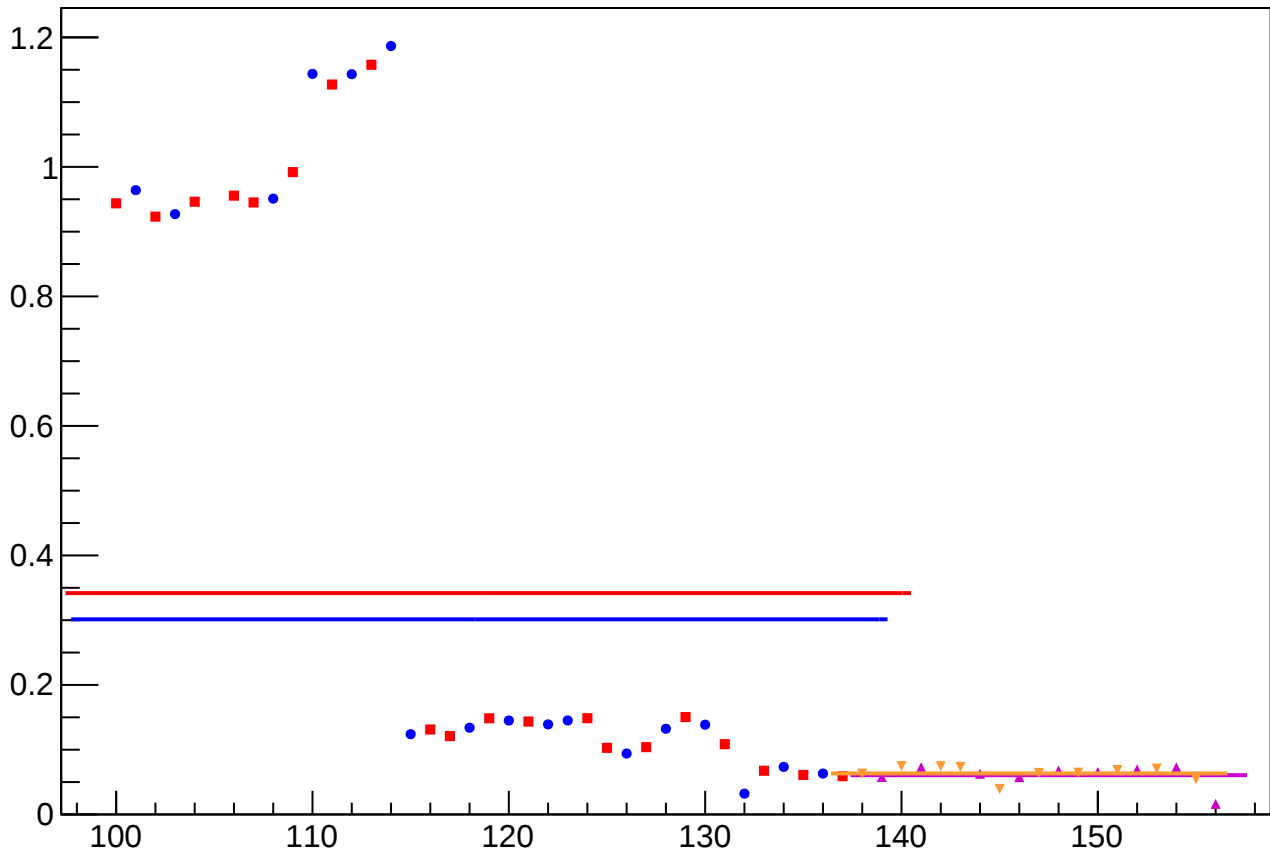
Right Out: 0.020 ± 0.000 $\chi^2/\text{NDF}: 1452730.4/19$

Left In: 0.020 ± 0.000 $\chi^2/\text{NDF}: 461174.5/8$

0.019 ± 0.000 $\chi^2/\text{NDF}: 1526681.3/26$

0.020 ± 0.000 $\chi^2/\text{NDF}: 1915231.1/28$

yield_bpm4ecY_mean vs Slug



Right In: 0.301 $\pm$ 0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.063 $\pm$ 0.000 χ^2/NDF : 7436720.5/9

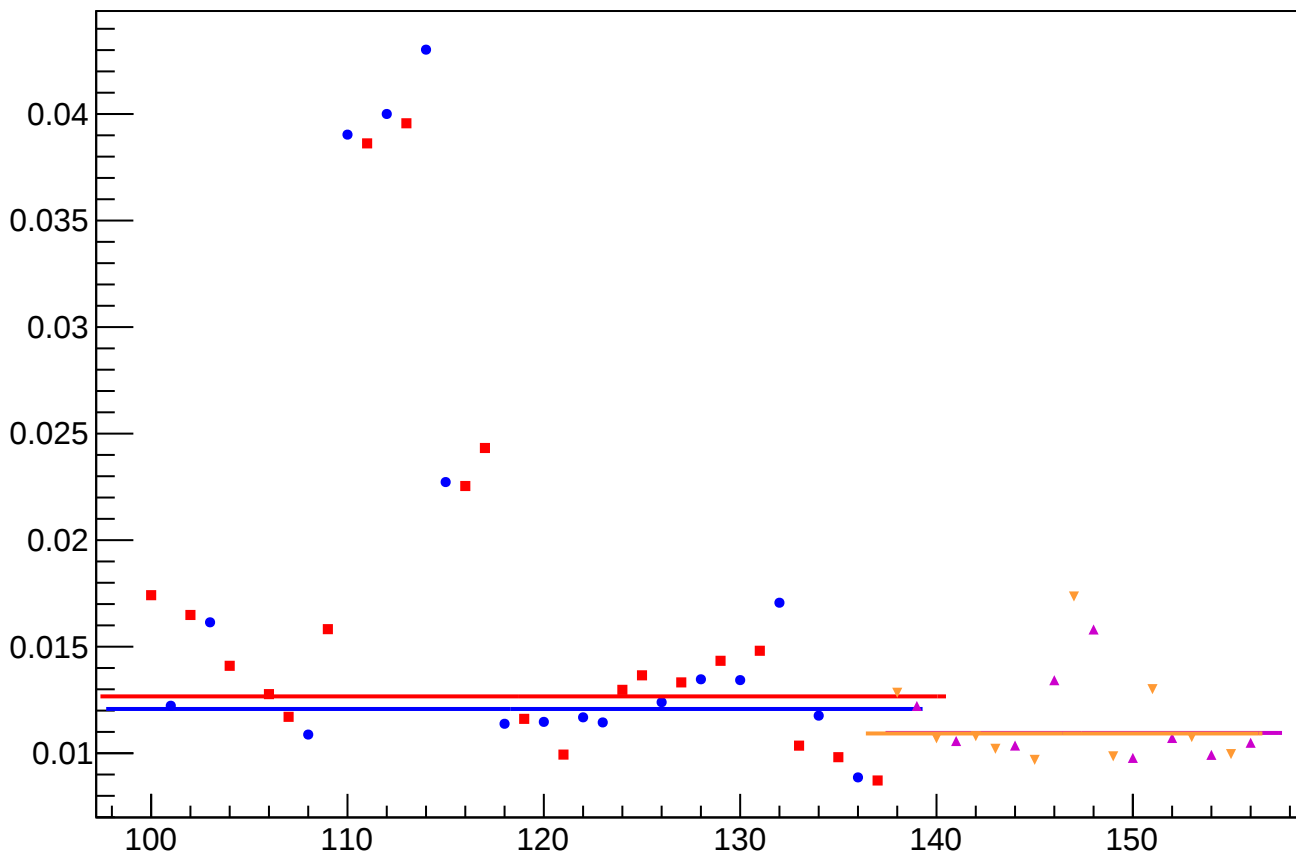
Right Out: 0.342 $\pm$ 0.000 χ^2/NDF : 5445885893.4/19

Left In: 0.061 $\pm$ 0.000 χ^2/NDF : 17018314.7/8

0.159 $\pm$ 0.000 χ^2/NDF : 6466230051.4/26

0.170 $\pm$ 0.000 χ^2/NDF : 7245810857.7/28

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:338910.1/9

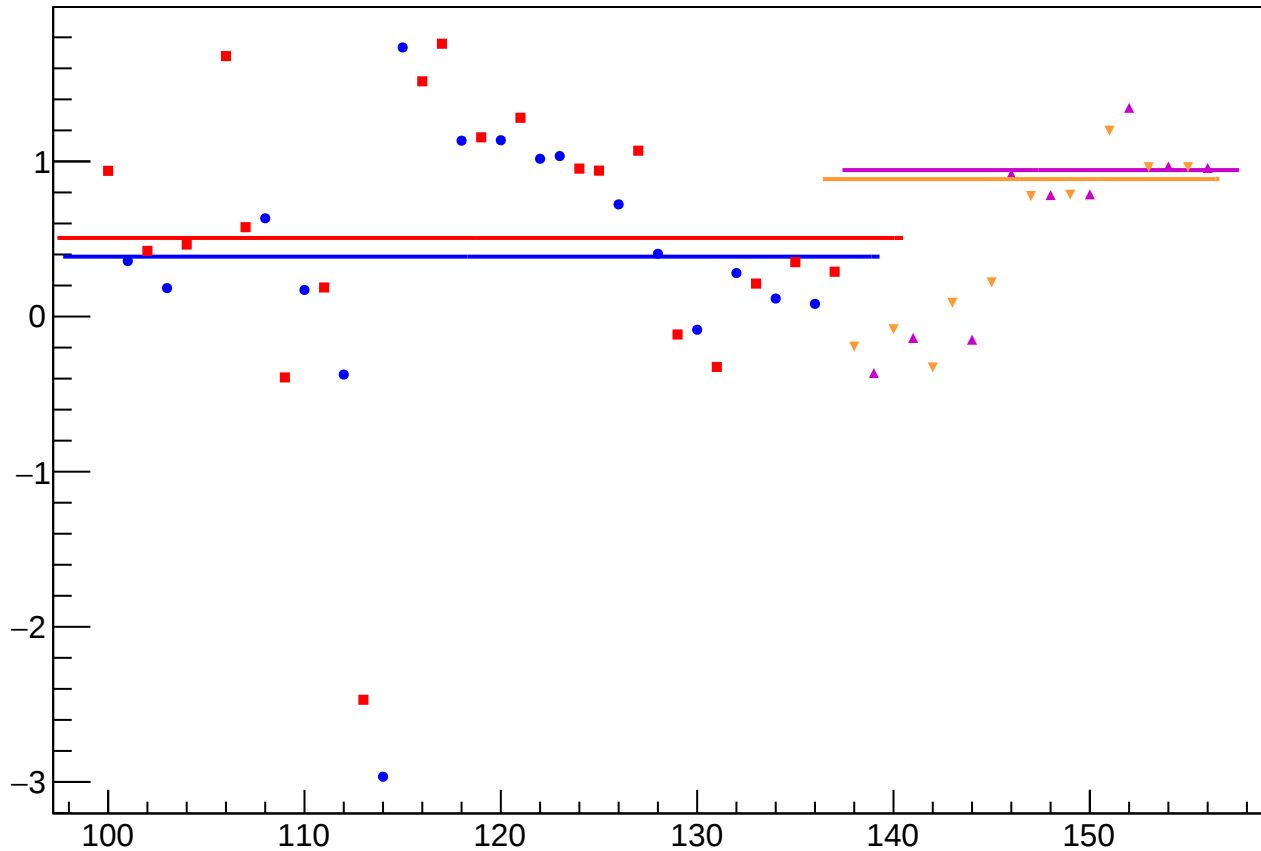
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1253755.7/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:265047.5/8

0.011 $\pm$ 0.000 χ^2 /NDF: 1680133.8/26

0.012 $\pm$ 0.000 χ^2 /NDF: 1651559.2/28

yield_bpm1X_mean vs Slug



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 0.886+/-0.000 χ^2/NDF : 685161322.5/9

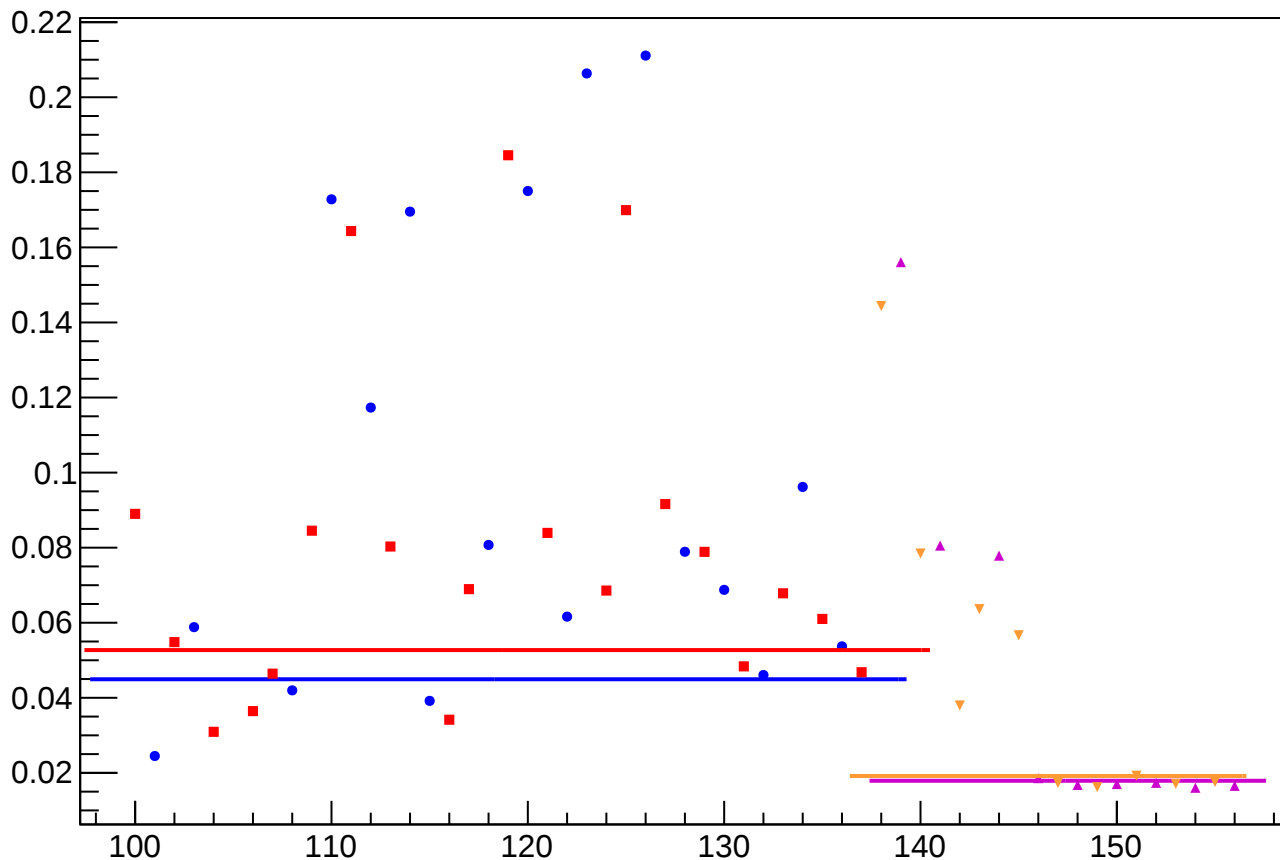
Right Out: 0.507+/-0.000 χ^2/NDF : 995373603.6/19

Left In: 0.944+/-0.000 χ^2/NDF : 748134280.3/8

0.823+/-0.000 χ^2/NDF : 1313187506.1/26

0.904+/-0.000 χ^2/NDF : 2003470705.6/28

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.019+/-0.000 χ^2/NDF :2530899.6/9

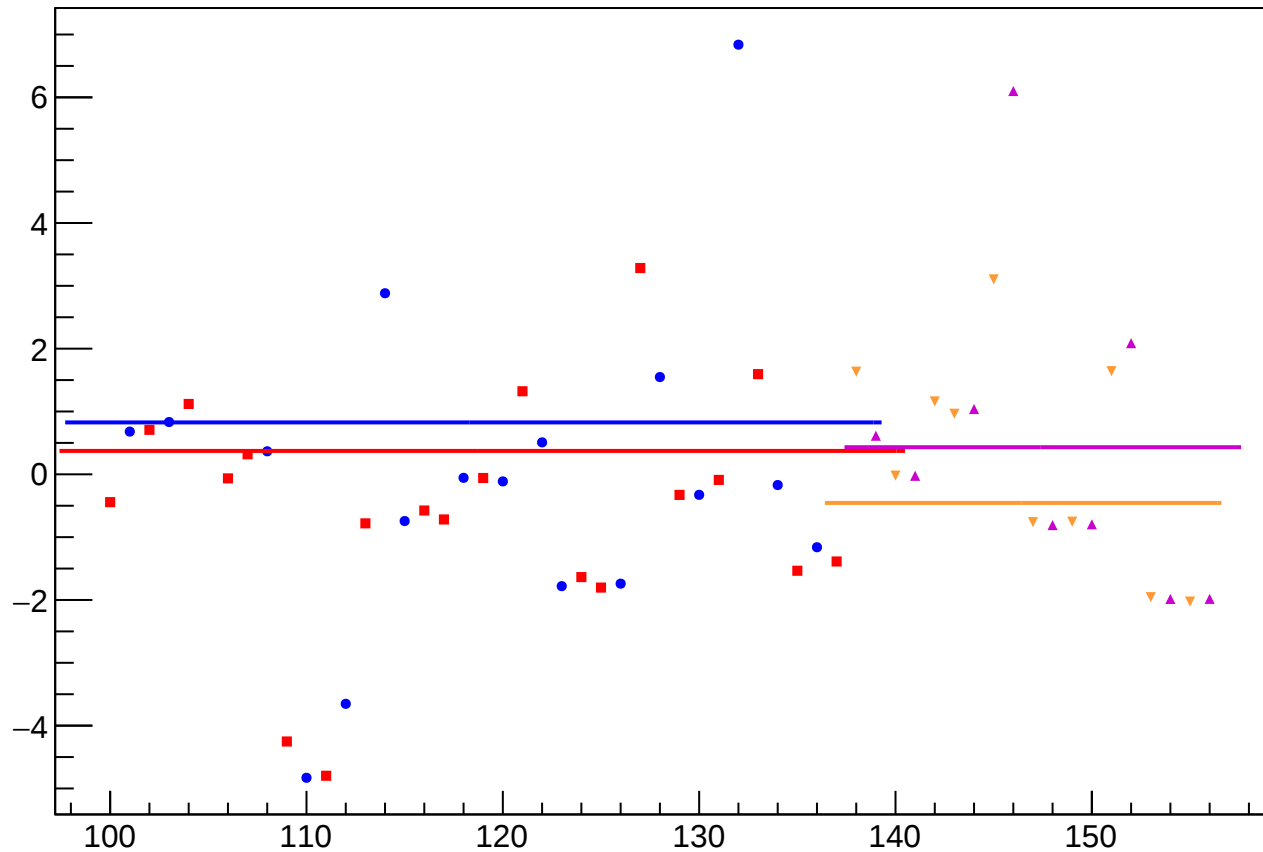
Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

Left In: 0.018+/-0.000 χ^2/NDF :2246356.4/8

0.022+/-0.000 χ^2/NDF : 7346369.3/26

0.021+/-0.000 χ^2/NDF : 7734587.3/28

yield_bpm1Y_mean vs Slug



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: -0.455+/-0.000 χ^2/NDF : 65761362839.0/9

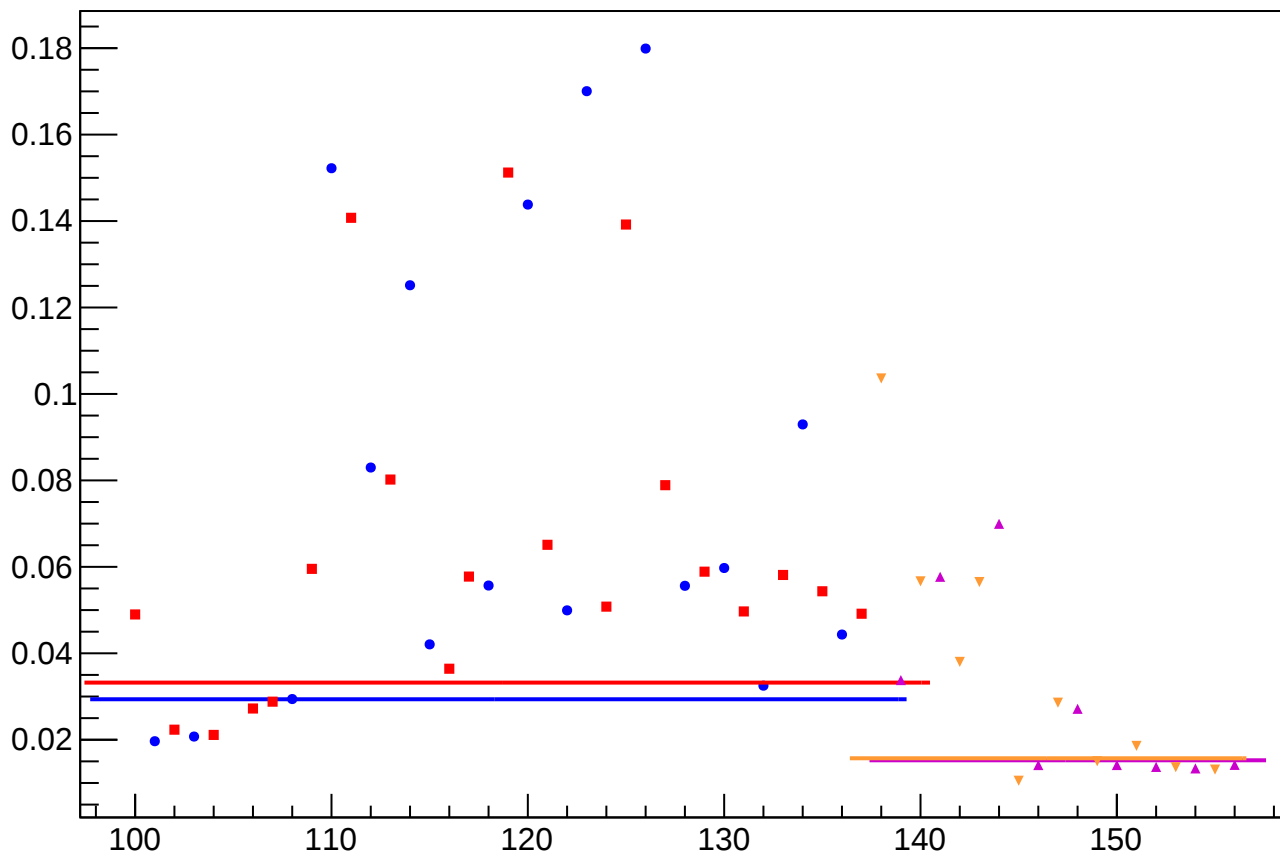
Right Out: 0.372+/-0.000 χ^2/NDF : 4960201861.0/19

Left In: 0.432+/-0.000 χ^2/NDF : 179808367291.3/8

-0.230+/-0.000 χ^2/NDF : 82030573636.1/26

0.423+/-0.000 χ^2/NDF : 184779176792.9/28

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.016+/-0.000 χ^2/NDF :2518399.6/9

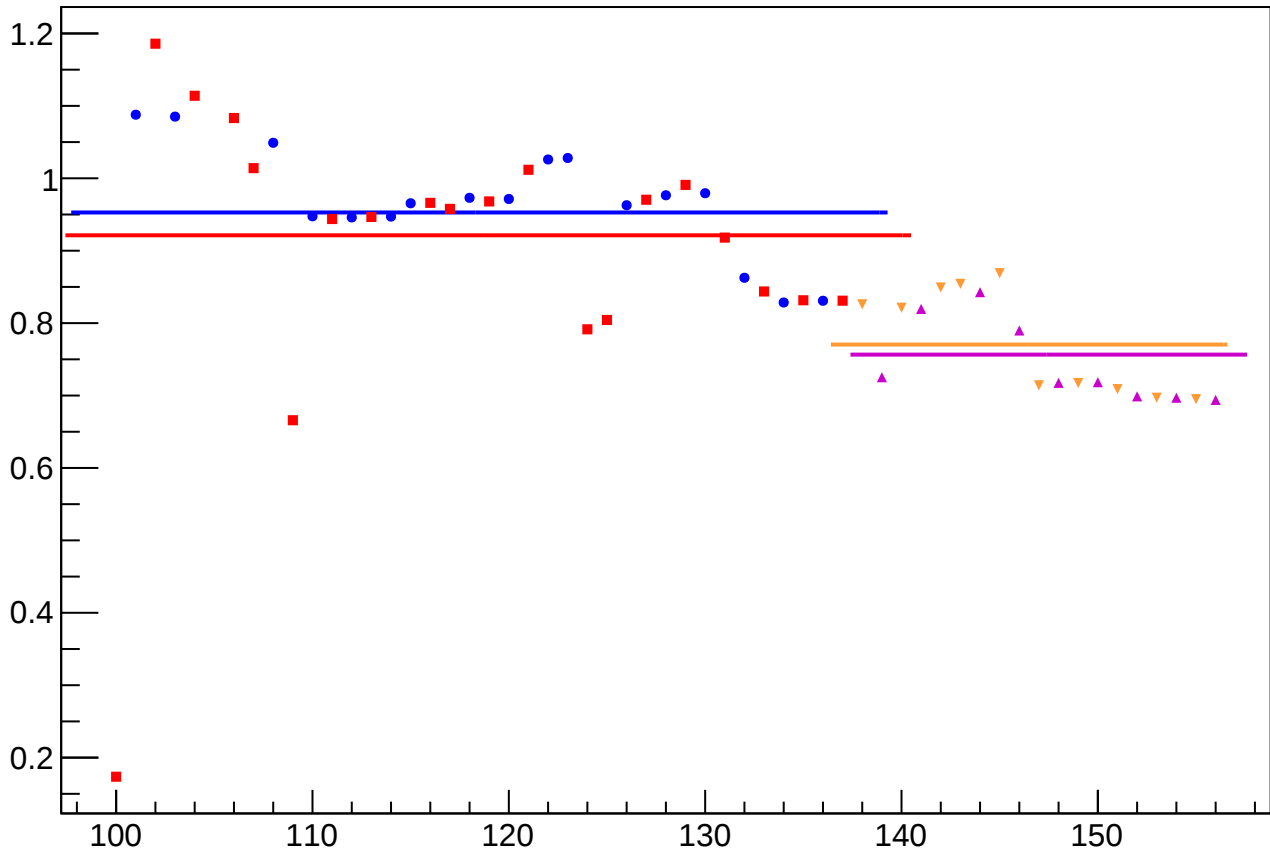
Right Out: 0.033+/-0.000 χ^2/NDF : 3112299.1/19

Left In: 0.015+/-0.000 χ^2/NDF :1678547.5/8

0.018+/-0.000 χ^2/NDF : 6714279.9/26

0.018+/-0.000 χ^2/NDF : 6741169.7/28

yield_bpm11X_mean vs Slug



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.770+/-0.000 χ^2/NDF :190505762.4/9

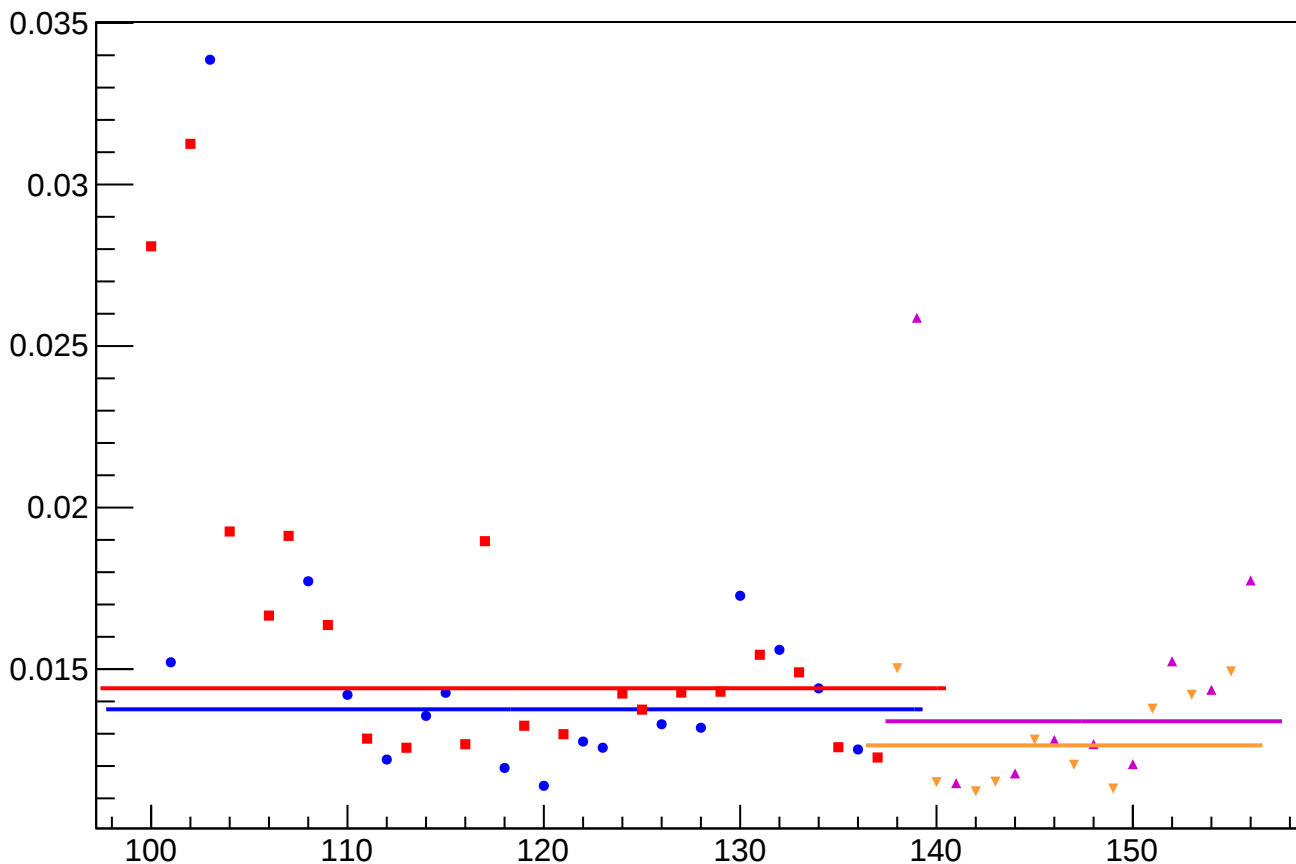
Right Out: 0.921+/-0.000 χ^2/NDF : 374306248.8/19

Left In: 0.757+/-0.000 χ^2/NDF :115615850.5/8

0.850+/-0.000 χ^2/NDF : 939239146.0/26

0.831+/-0.000 χ^2/NDF : 926822530.8/28

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 :150659.8/9

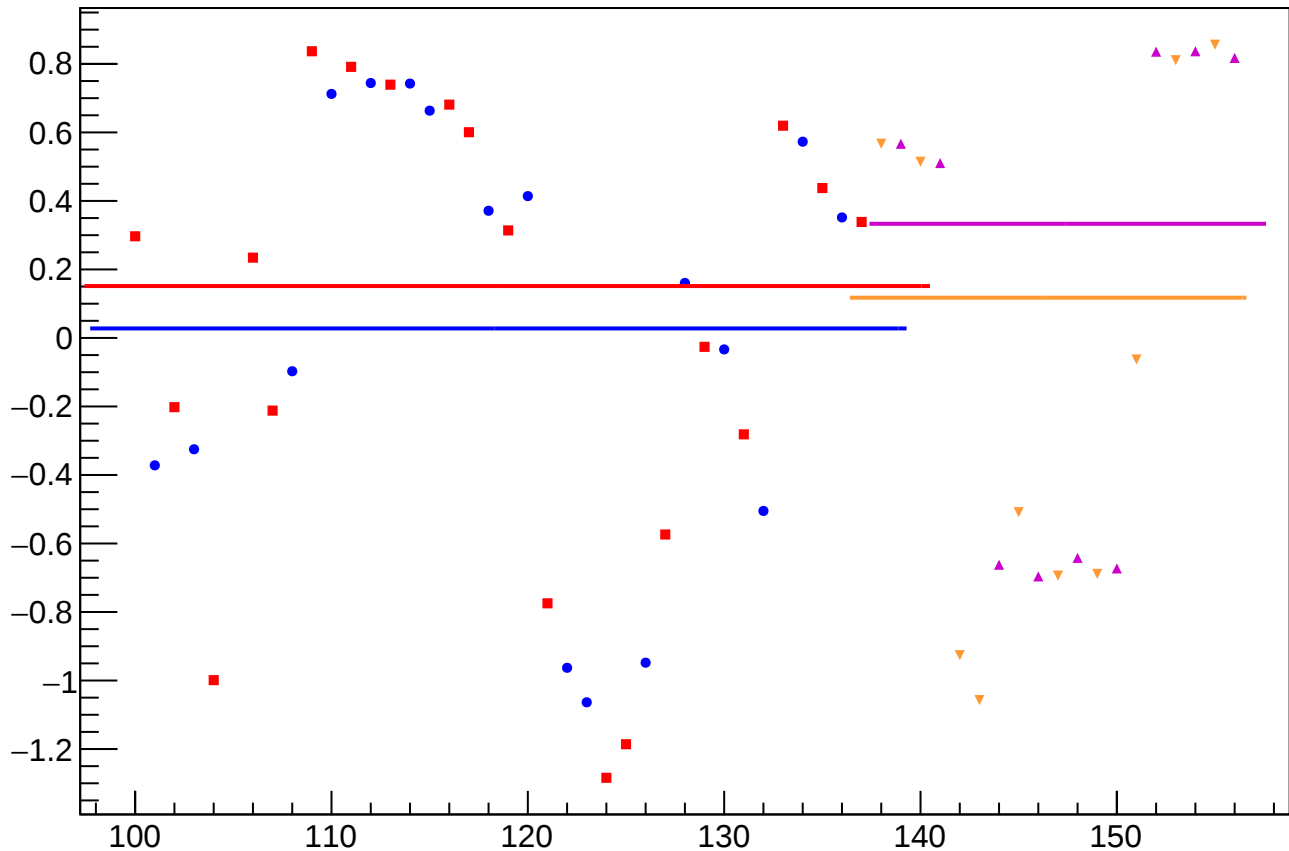
Right Out: 0.014+/-0.000 χ^2/NDF : 508622.9/19

Left In: 0.013+/-0.000 χ^2/NDF :531819.5/8

0.013+/-0.000 χ^2/NDF : 731979.3/26

0.014+/-0.000 χ^2/NDF : 1074072.0/28

yield_bpm11Y_mean vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.118+/-0.000 χ^2/NDF :21436974451.5/9

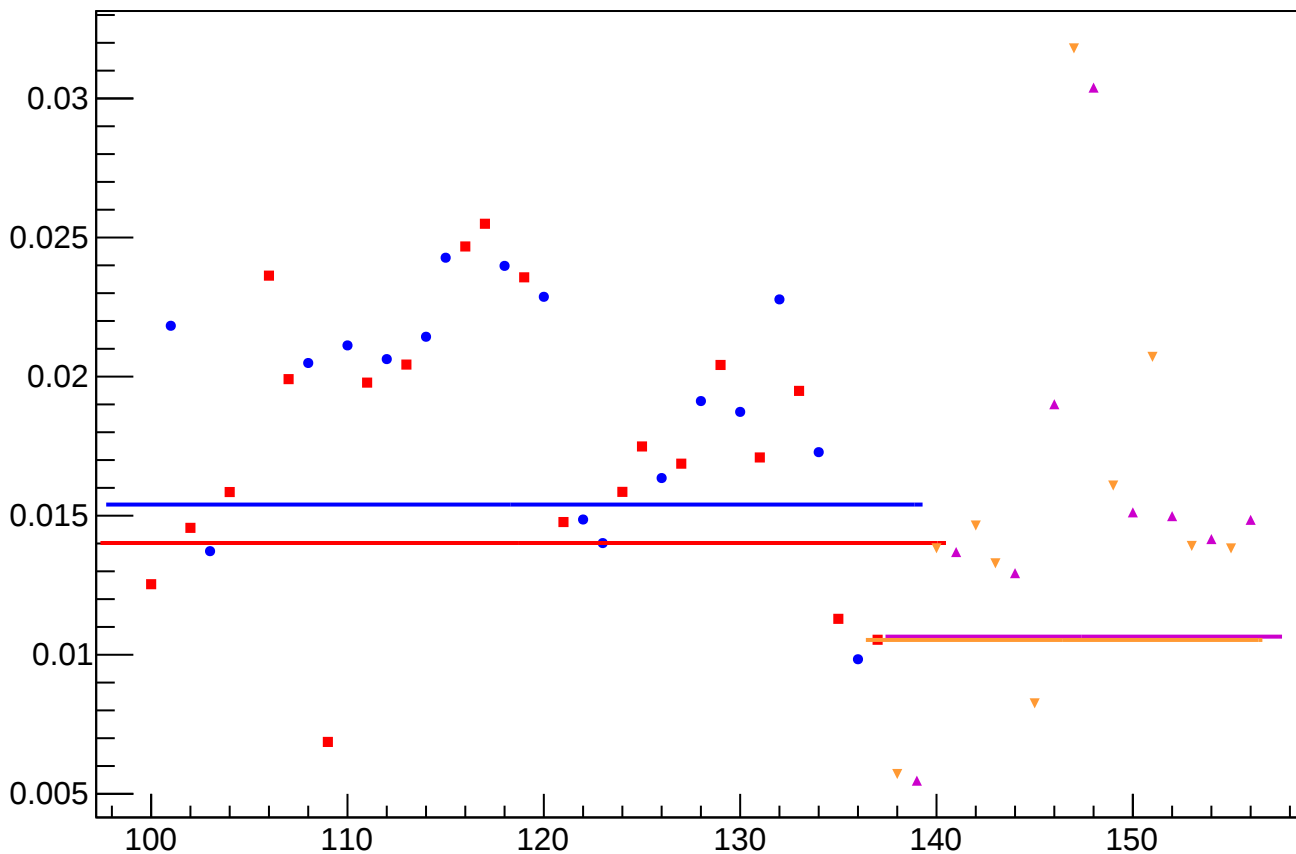
0.089+/-0.000 χ^2/NDF : 27843029589.2/26

Right Out: 0.152+/-0.000 χ^2/NDF : 12665480117.0/19

0.266+/-0.000 χ^2/NDF : 28855488438.7/28

Left In: 0.333+/-0.000 χ^2/NDF :15592890954.9/8

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 : 2513115.2/9

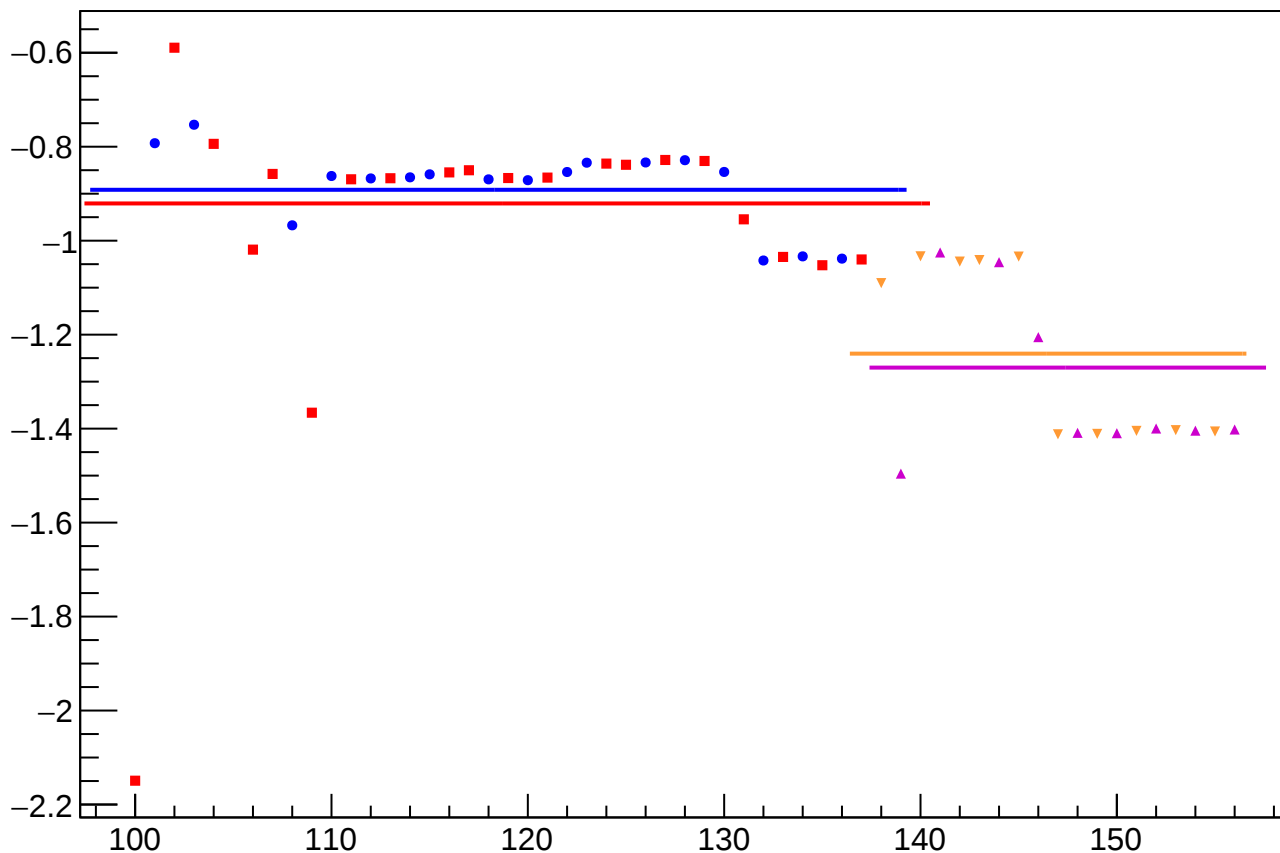
Right Out: 0.014+/-0.000 χ^2/NDF : 1576882.7/19

Left In: 0.011+/-0.000 χ^2/NDF : 2751952.3/8

0.012+/-0.000 χ^2/NDF : 4414080.8/26

0.012+/-0.000 χ^2/NDF : 4738706.5/28

yield_bpm12X_mean vs Slug



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.240+/-0.000 χ^2/NDF : 200278453.4/9

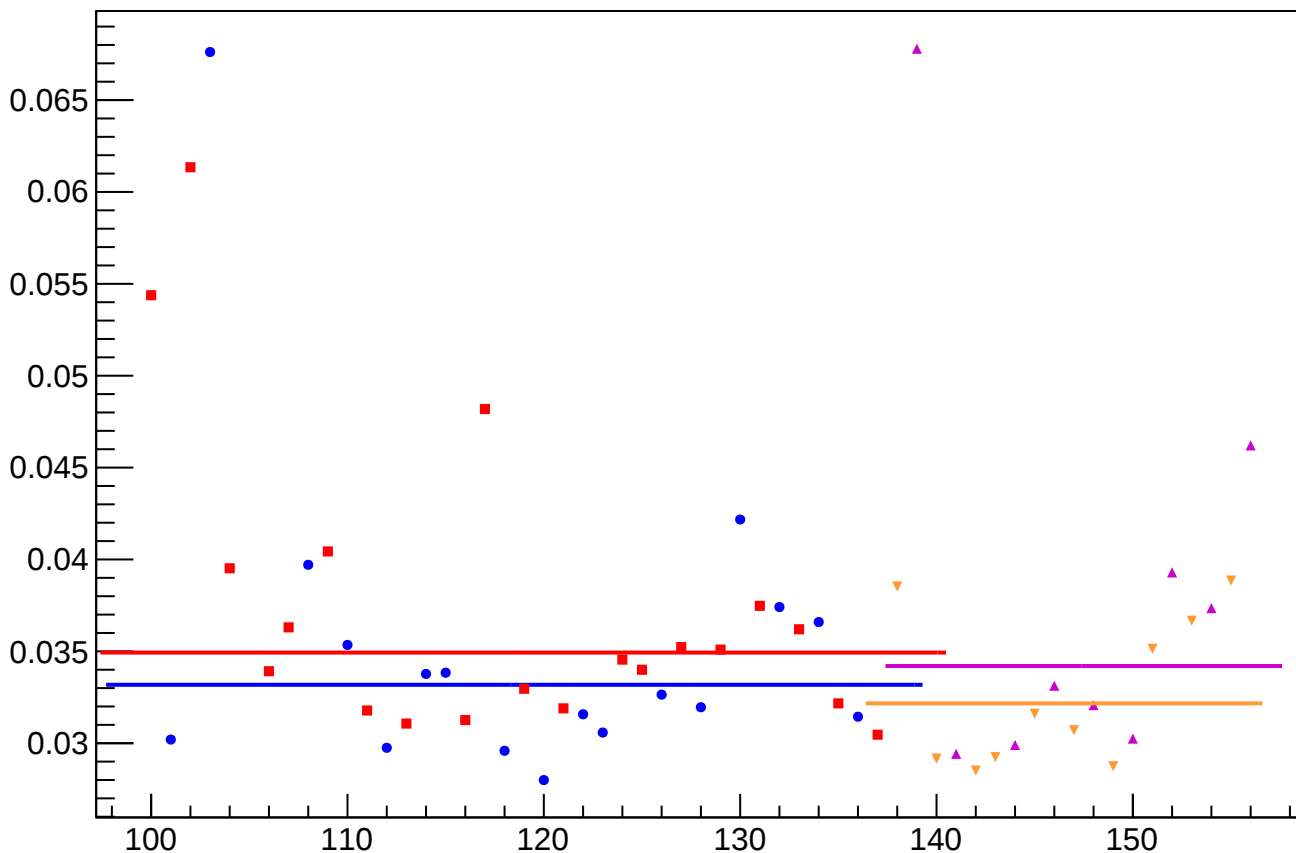
Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

Left In: -1.270+/-0.000 χ^2/NDF : 15535149.1/8

-1.078+/-0.000 χ^2/NDF : 583695666.3/26

-1.101+/-0.000 χ^2/NDF : 605881147.9/28

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.032+/-0.000 χ^2/NDF :167987.4/9

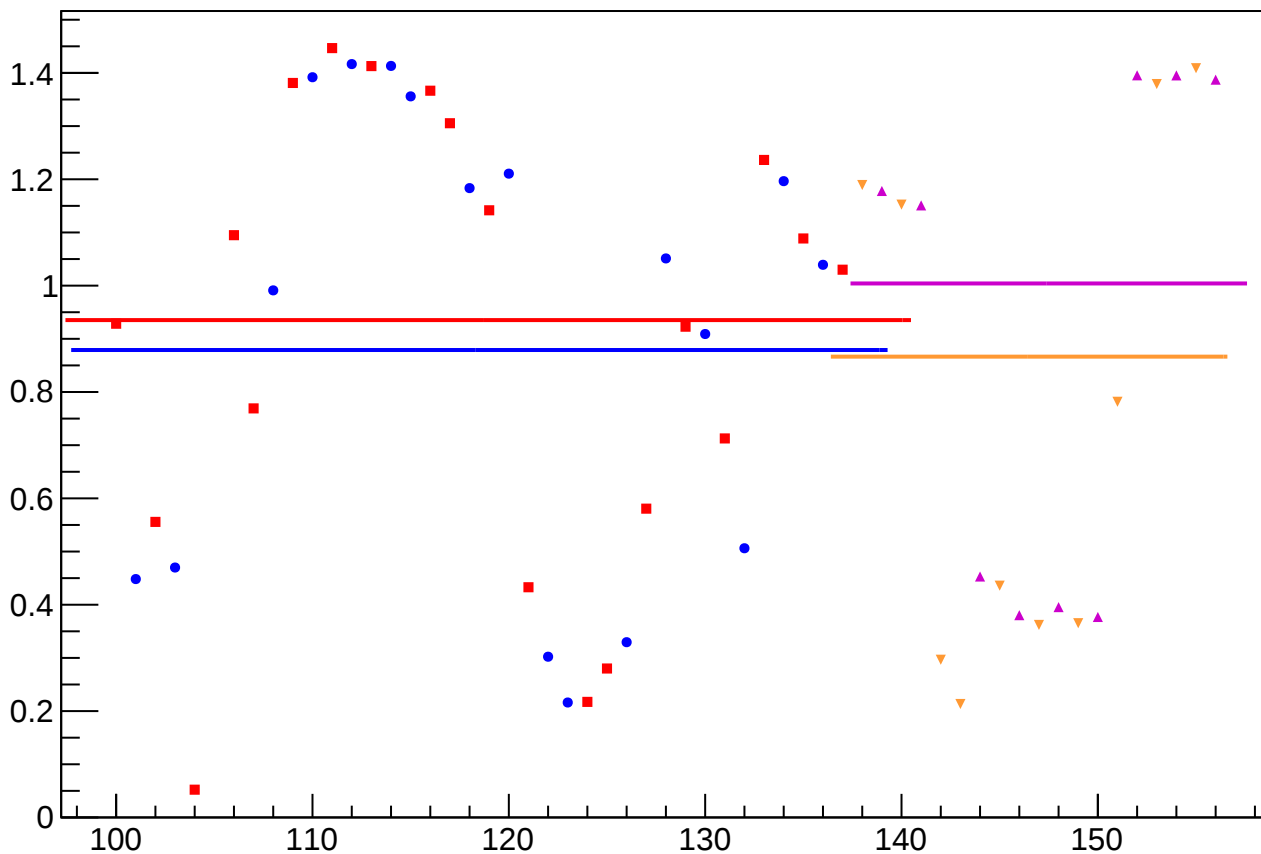
Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

Left In: 0.034+/-0.000 χ^2/NDF :573265.5/8

0.033+/-0.000 χ^2/NDF : 573883.8/26

0.035+/-0.000 χ^2/NDF : 857320.2/28

yield_bpm12Y_mean vs Slug



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.866+/-0.000 χ^2/NDF :17850340471.1/9

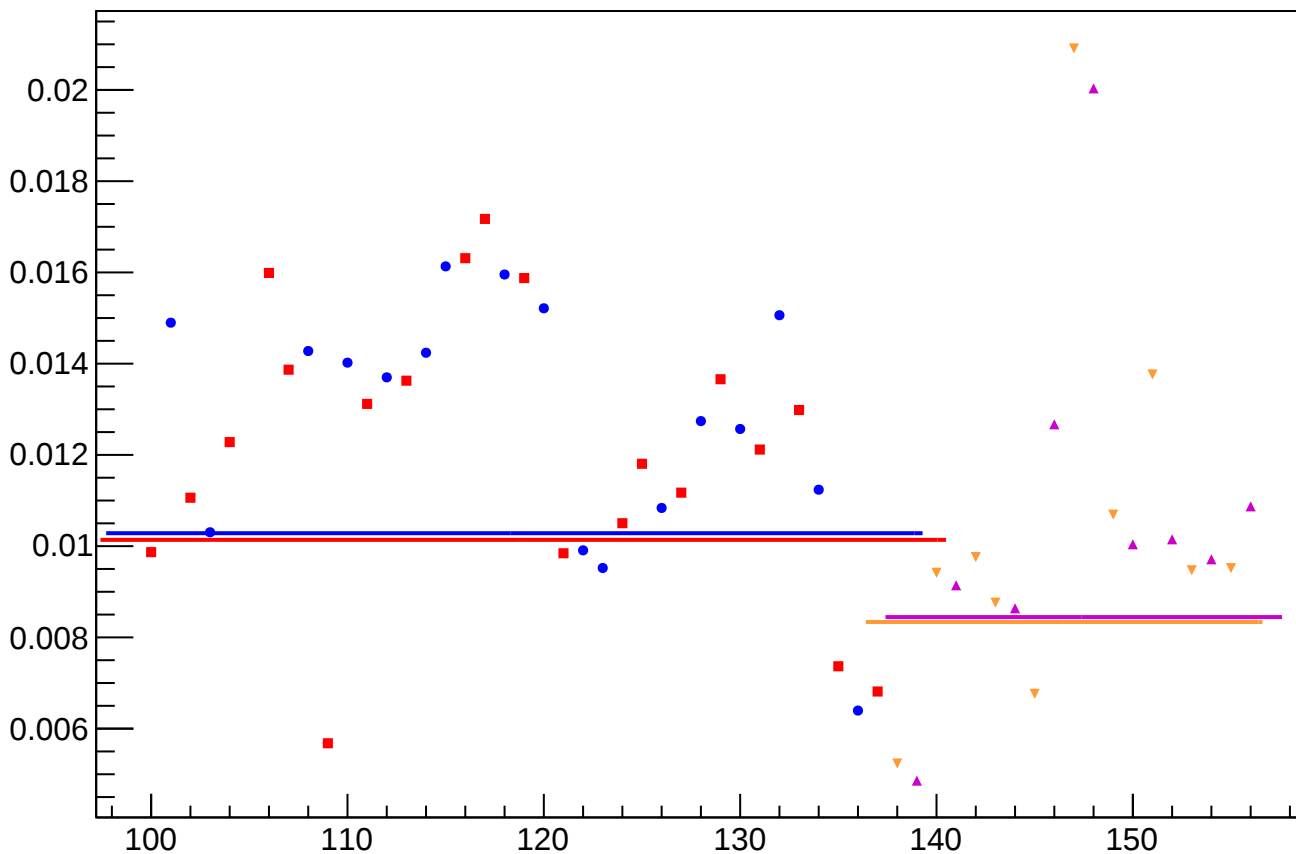
Right Out: 0.935+/-0.000 χ^2/NDF : 9844960466.1/19

Left In: 1.004+/-0.000 χ^2/NDF :13685223508.6/8

0.871+/-0.000 χ^2/NDF : 24227086483.9/26

0.977+/-0.000 χ^2/NDF : 23693737712.2/28

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1207460.1/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1459372.5/9

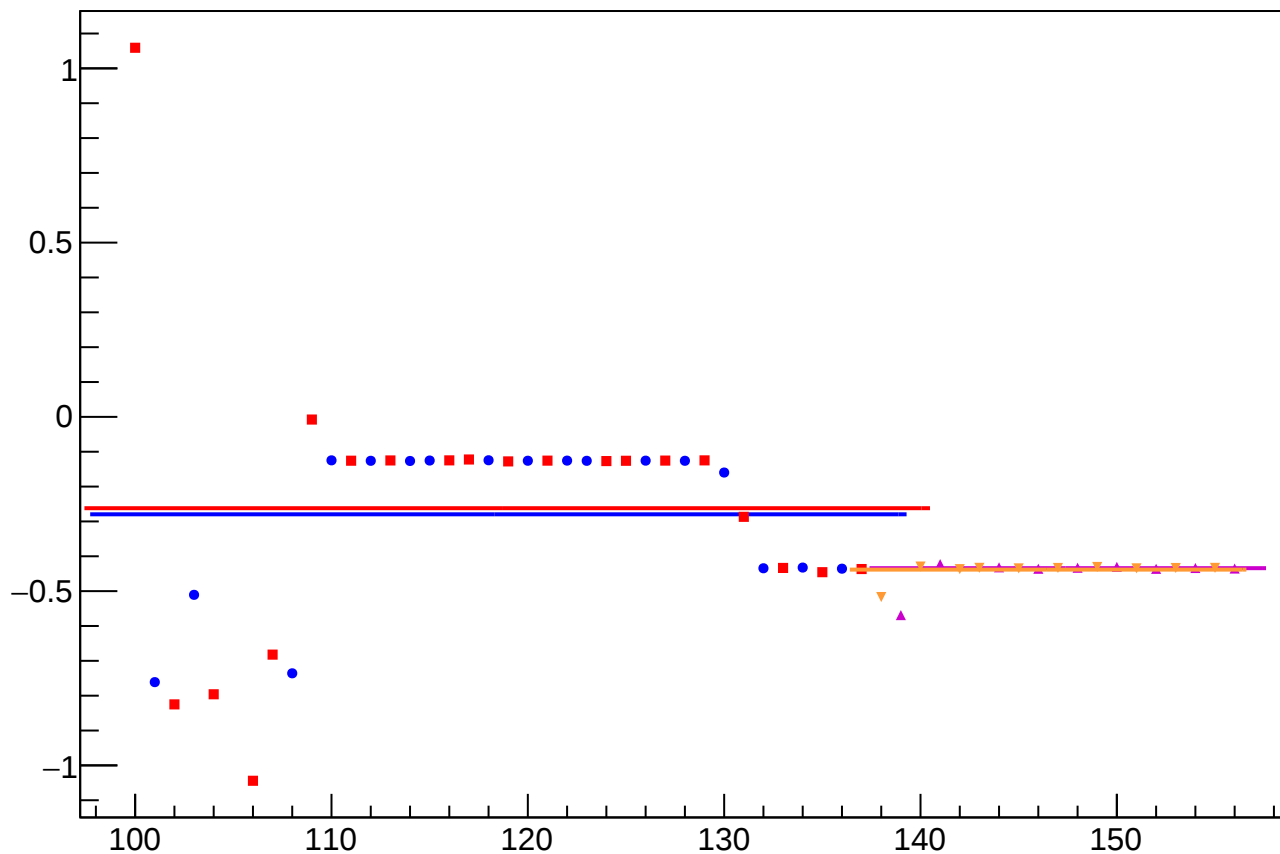
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1189529.0/19

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1607226.1/8

0.009 $\pm$ 0.000 χ^2 /NDF: 2917261.8/26

0.009 $\pm$ 0.000 χ^2 /NDF: 2994250.3/28

yield_bpm16X_mean vs Slug



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.438 ± 0.000 χ^2/NDF : 24135514.5/9

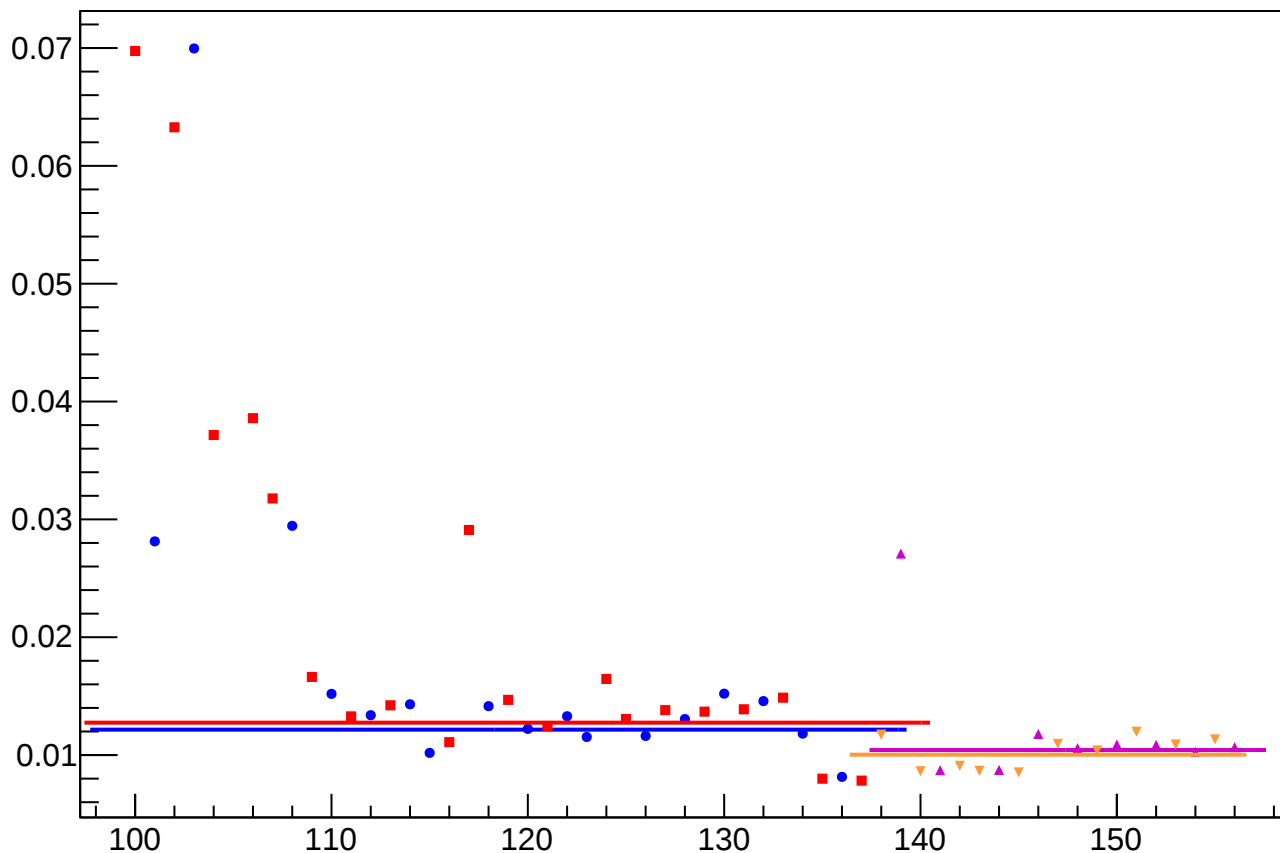
Right Out: -0.262 ± 0.000 χ^2/NDF : 1007161741.8/19

Left In: -0.434 ± 0.000 χ^2/NDF : 18866952.9/8

-0.383 ± 0.000 χ^2/NDF : 1469089436.5/26

-0.373 ± 0.000 χ^2/NDF : 1595996283.6/28

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 : 195192.4/9

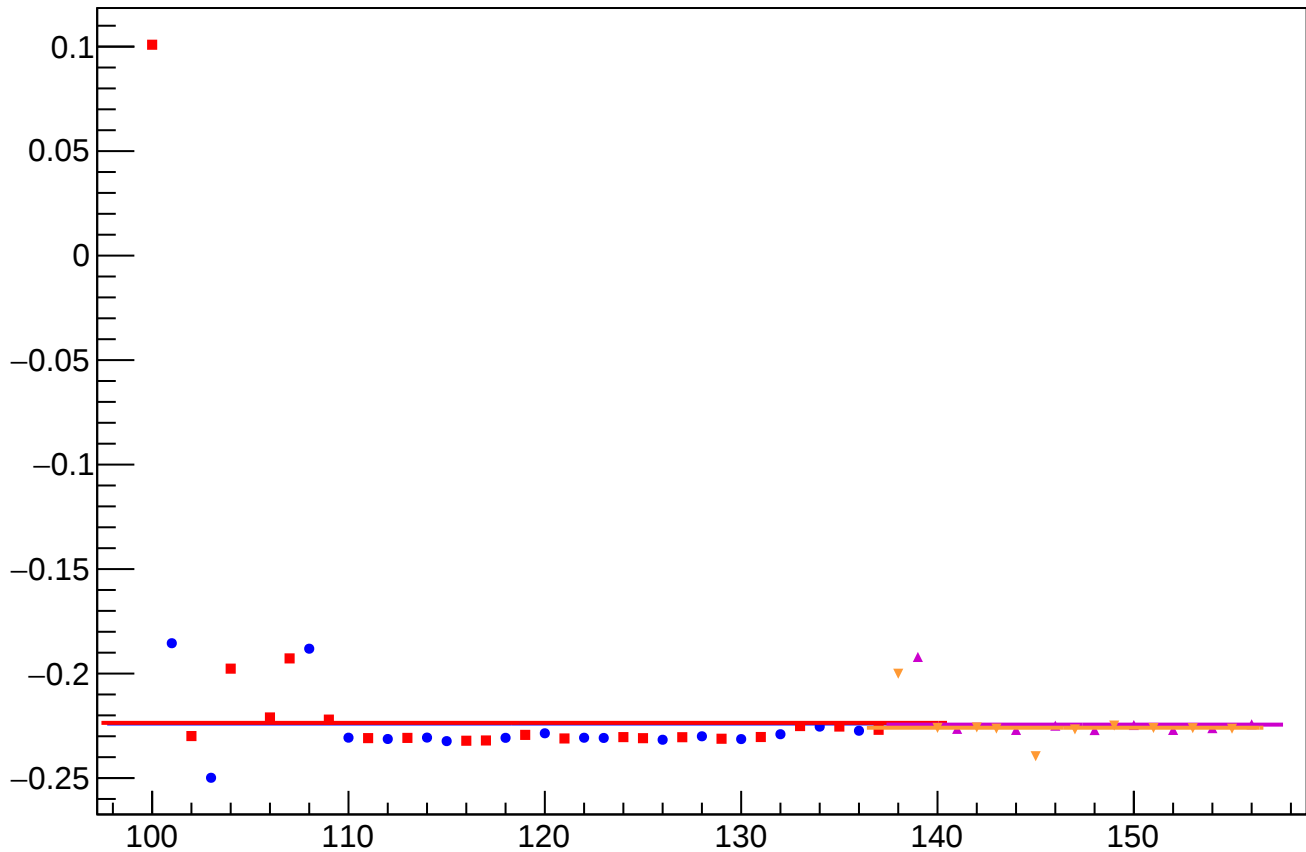
Right Out: 0.013+/-0.000 χ^2/NDF : 1991972.4/19

Left In: 0.010+/-0.000 χ^2/NDF : 659988.3/8

0.011+/-0.000 χ^2/NDF : 2103150.1/26

0.011+/-0.000 χ^2/NDF : 2859437.5/28

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 : 20522935.8/9

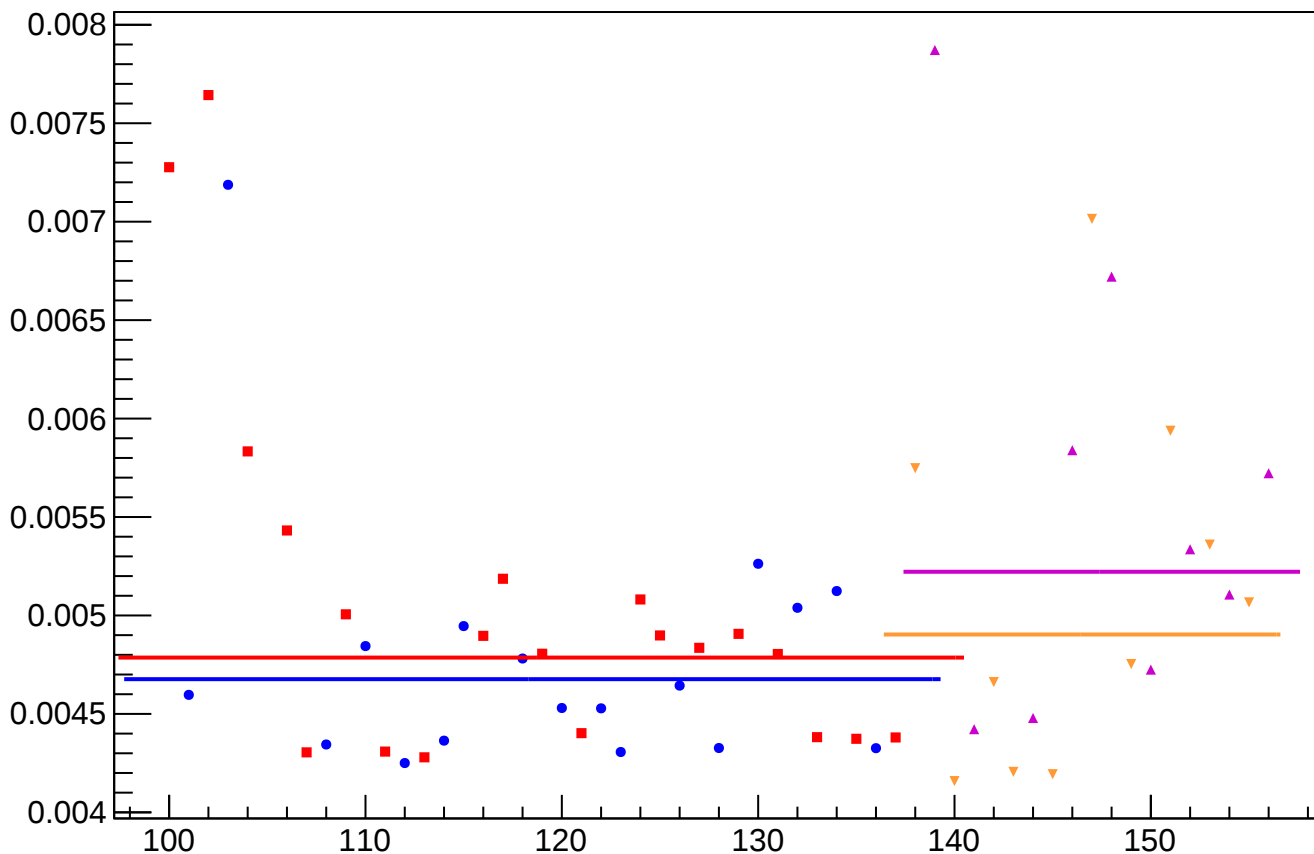
-0.225+/-0.000 χ^2/NDF : 95691003.5/26

Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

-0.224+/-0.000 χ^2/NDF : 180751690.0/28

Left In: -0.224+/-0.000 χ^2/NDF : 12428305.2/8

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 : 346769.2/9

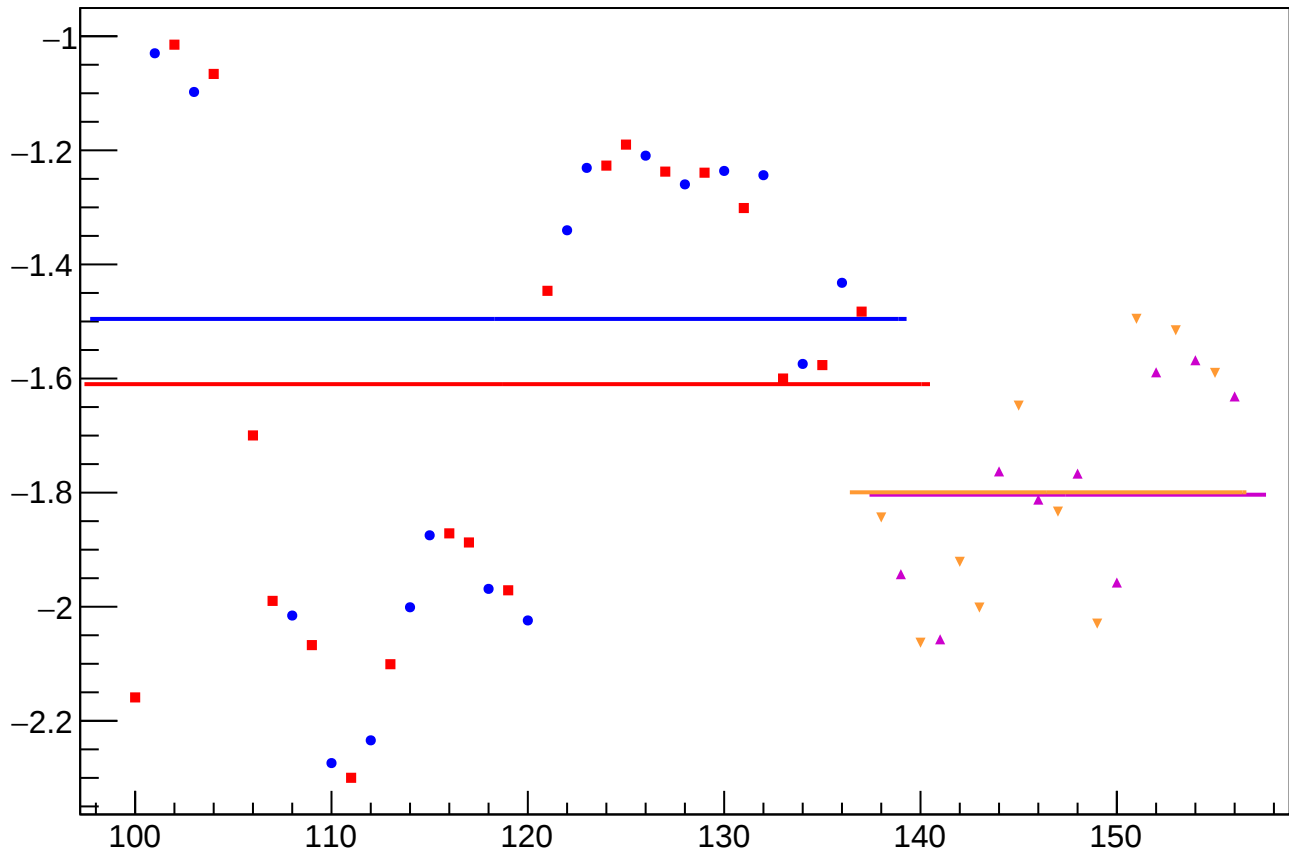
Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 372671.7/8

0.005+/-0.000 χ^2/NDF : 541743.5/26

0.005+/-0.000 χ^2/NDF : 671332.3/28

yield_bpm0l01X_mean vs Slug



Right In: -1.496 ± 0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.799 ± 0.000 χ^2/NDF : 8525137045.1/9

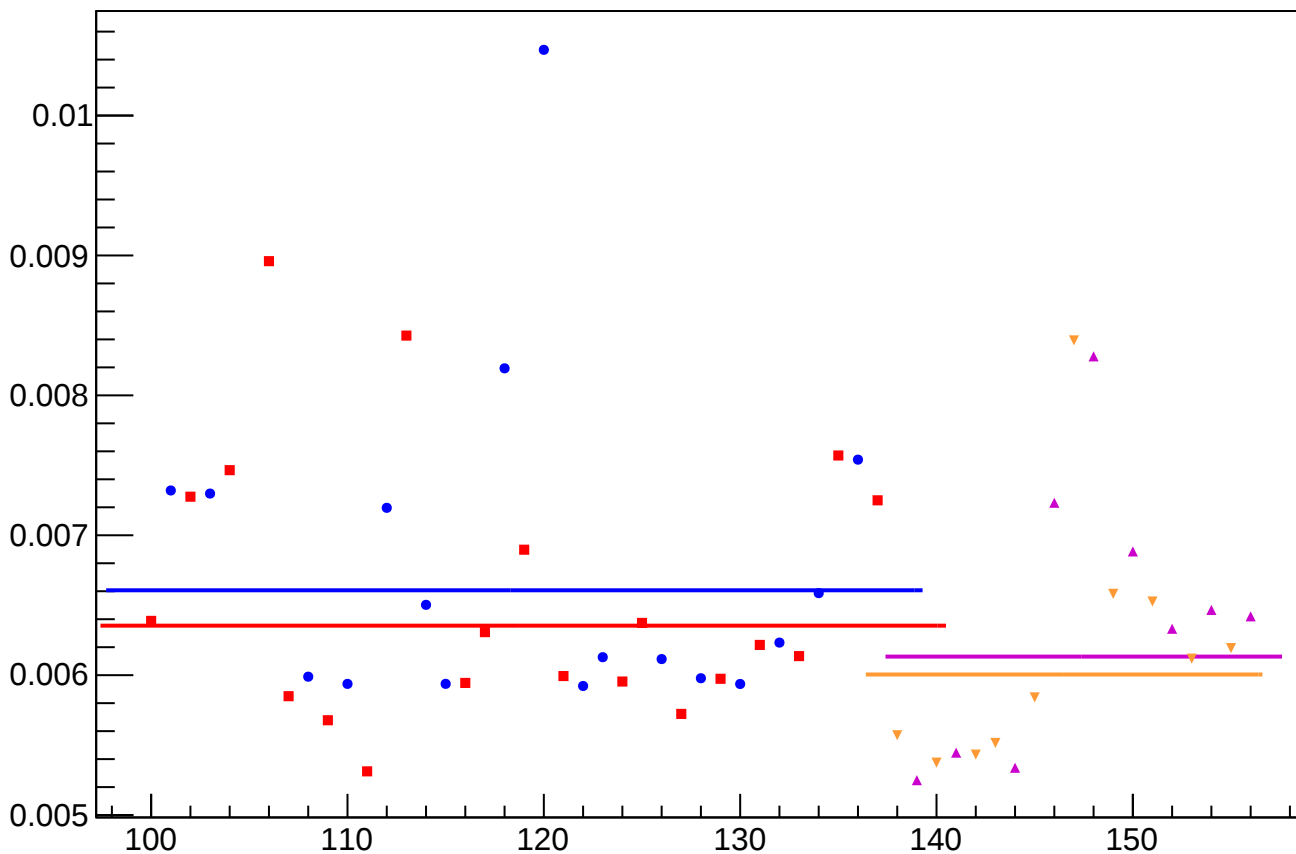
-1.672 ± 0.000 χ^2/NDF : 38459571739.1/26

Right Out: -1.610 ± 0.000 χ^2/NDF : 27936032778.6/19

-1.711 ± 0.000 χ^2/NDF : 36383383055.0/28

Left In: -1.804 ± 0.000 χ^2/NDF : 5229652468.1/8

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 :186261.0/9

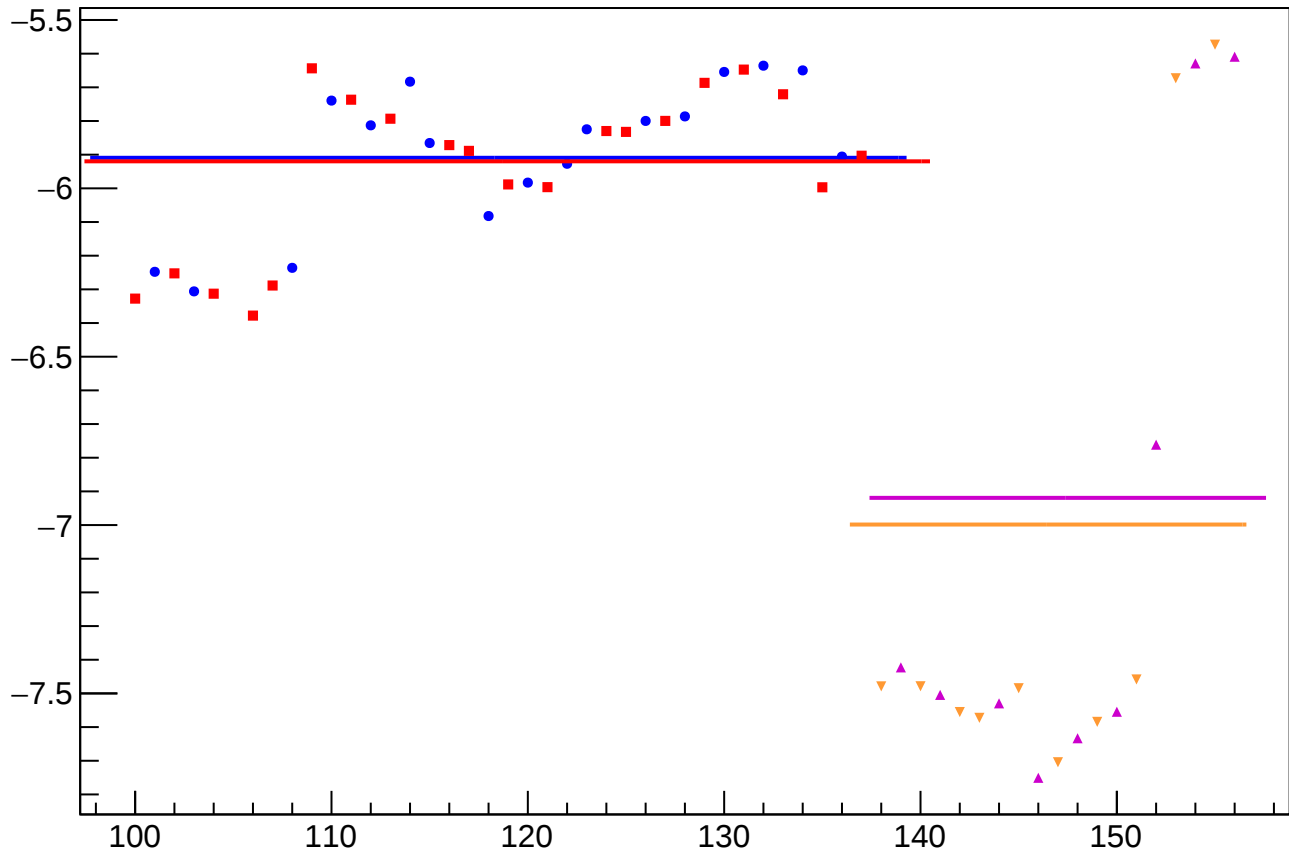
Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

Left In: 0.006+/-0.000 χ^2/NDF :258592.8/8

0.006+/-0.000 χ^2/NDF : 445865.2/26

0.006+/-0.000 χ^2/NDF : 494263.2/28

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.998+/-0.000 χ^2/NDF : 70133851222.0/9

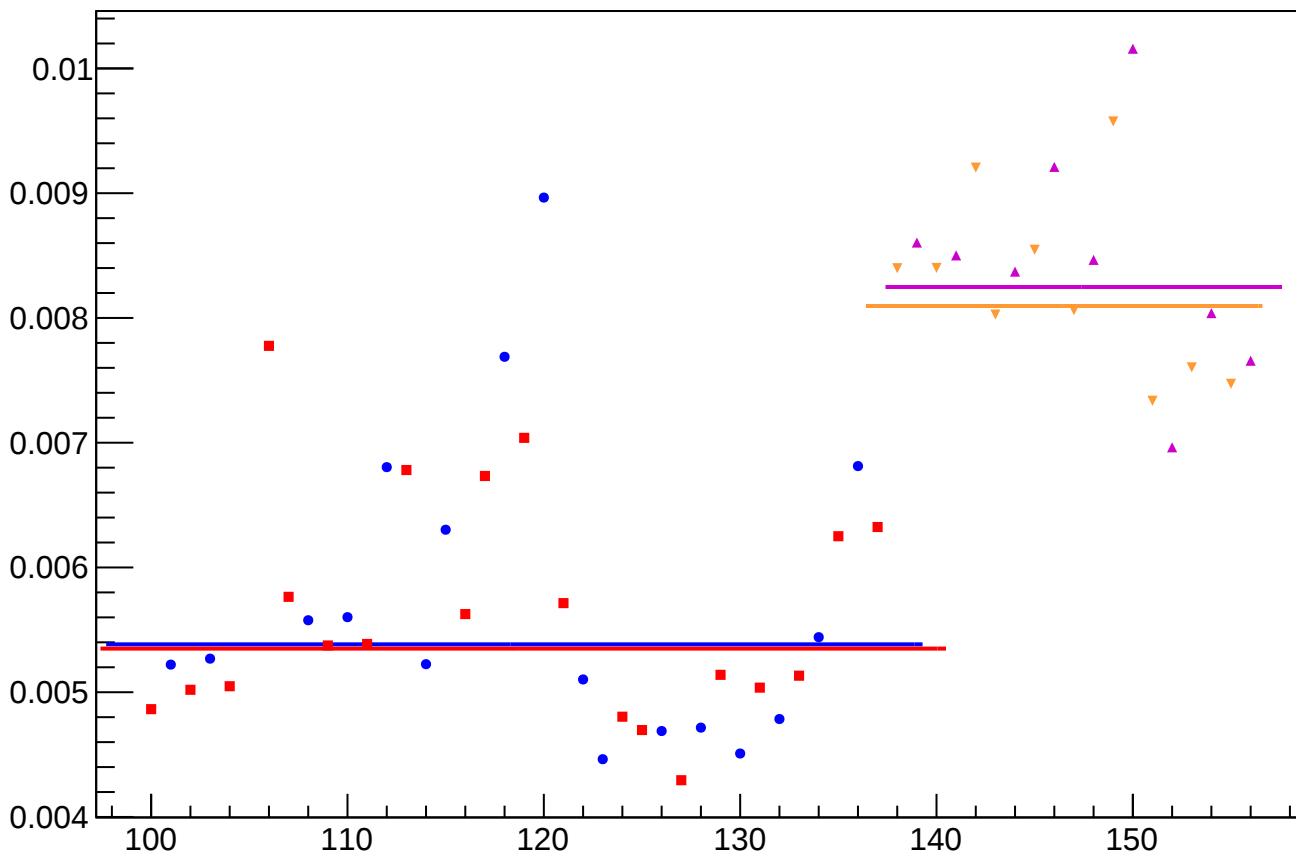
-6.255+/-0.000 χ^2/NDF : 157497850654.8/26

Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

-6.213+/-0.000 χ^2/NDF : 142210712754.4/28

Left In: -6.919+/-0.000 χ^2/NDF : 63913347295.1/8

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 :80068.3/9

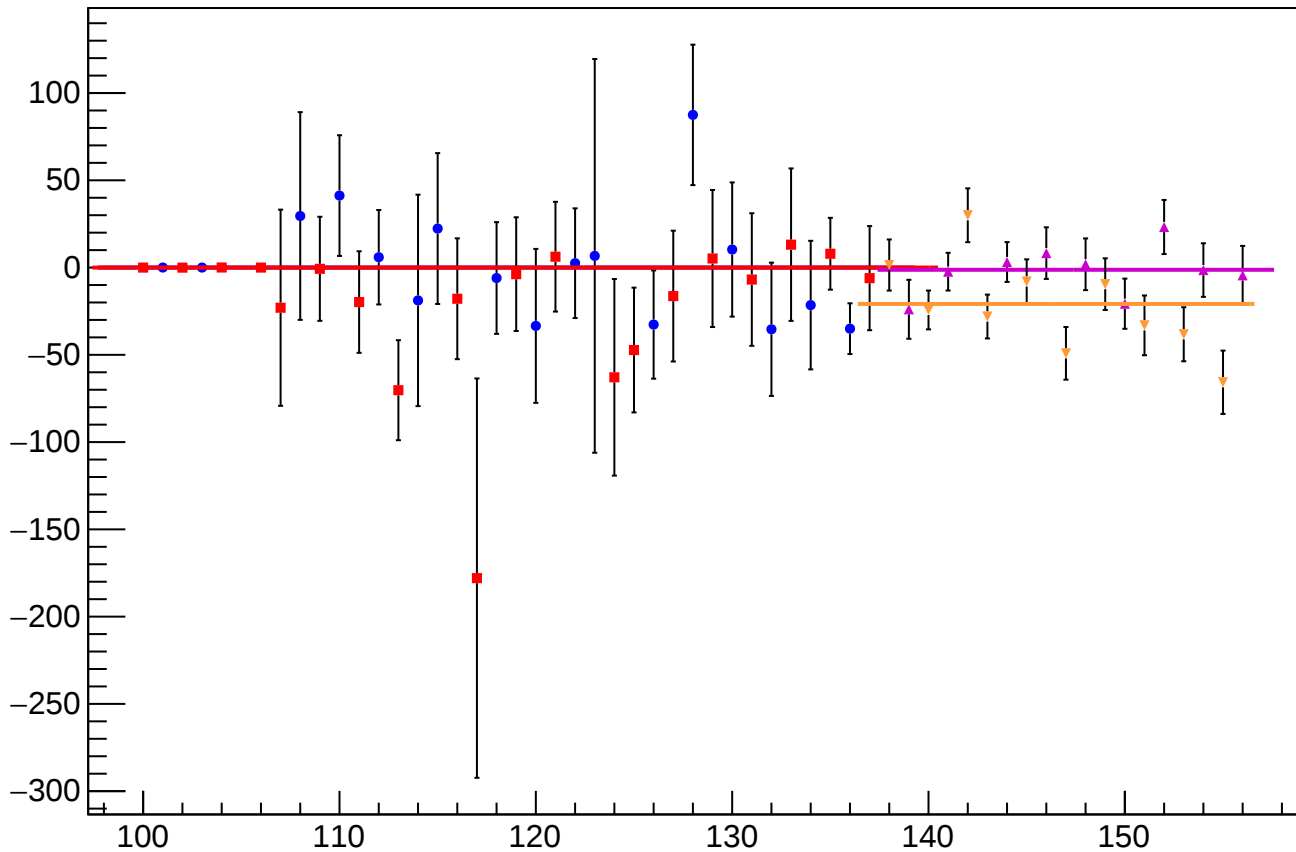
Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

Left In: 0.008+/-0.000 χ^2/NDF :129963.9/8

0.006+/-0.000 χ^2/NDF : 1373045.4/26

0.006+/-0.000 χ^2/NDF : 1480006.7/28

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -20.840 ± 4.515 χ^2/NDF : 26.6/9

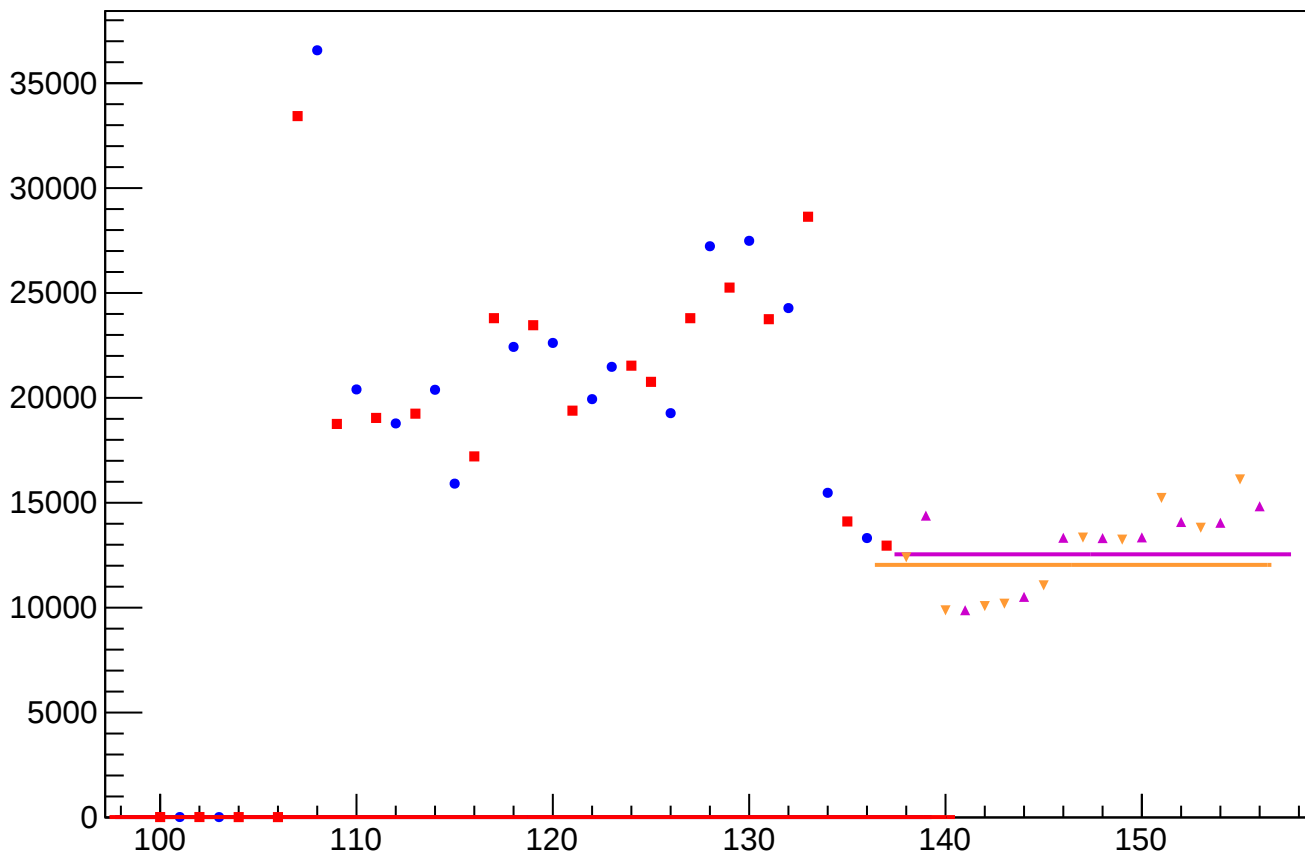
Right Out: 0.003 ± 0.016 χ^2/NDF : 17.7/19

Left In: -1.272 ± 4.680 χ^2/NDF : 6.8/8

0.013 ± 0.017 χ^2/NDF : 63.7/26

0.003 ± 0.016 χ^2/NDF : 24.6/28

diff_cav4bX_rms vs Slug



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12039.522+/-3.193 χ^2/NDF : 389554.8/9

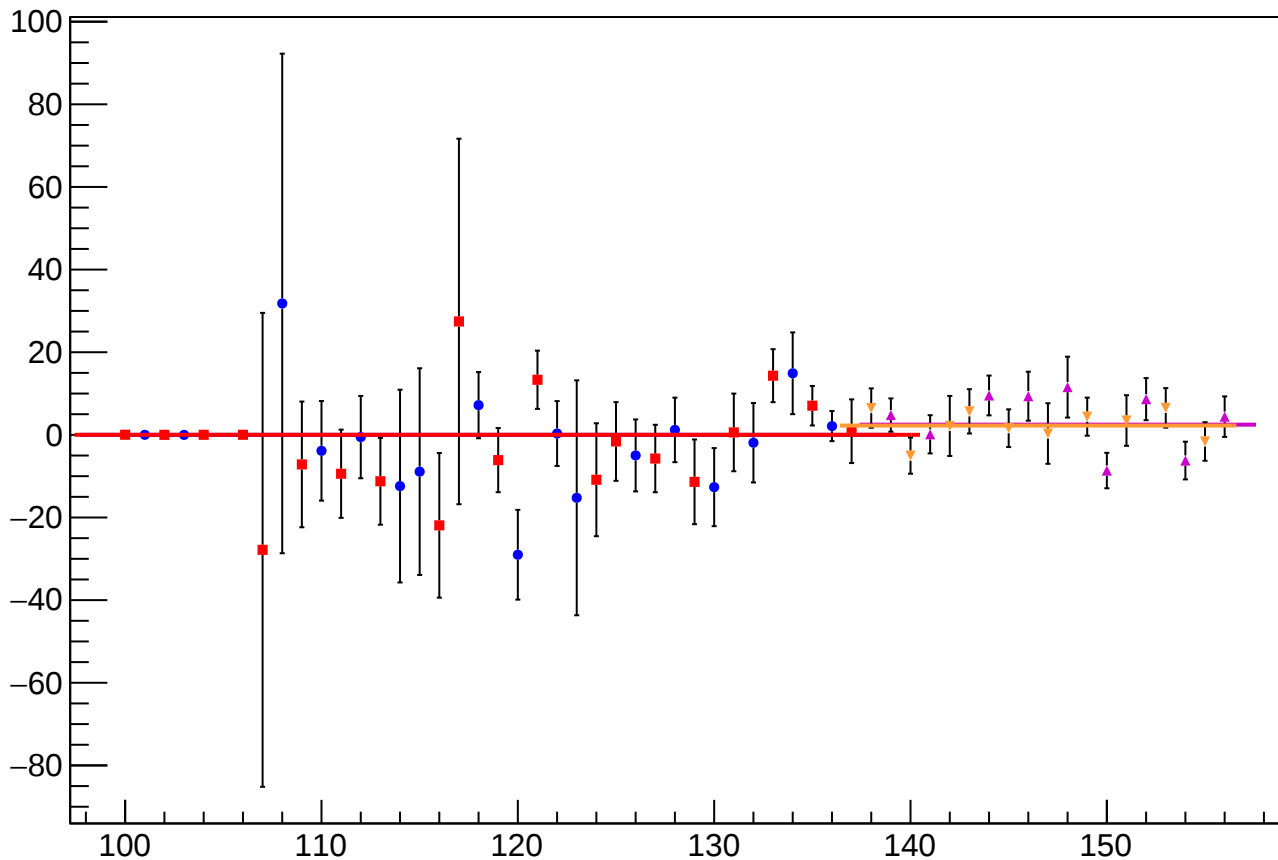
Right Out: 18.312+/-0.011 χ^2/NDF : 11189737.0/19

Left In: 12542.840+/-3.309 χ^2/NDF : 302017.3/8

18.818+/-0.012 χ^2/NDF : 25406427.6/26

18.460+/-0.011 χ^2/NDF : 25815821.6/28

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 2.254 $\pm$ 1.622 χ^2 /NDF:5.8/9

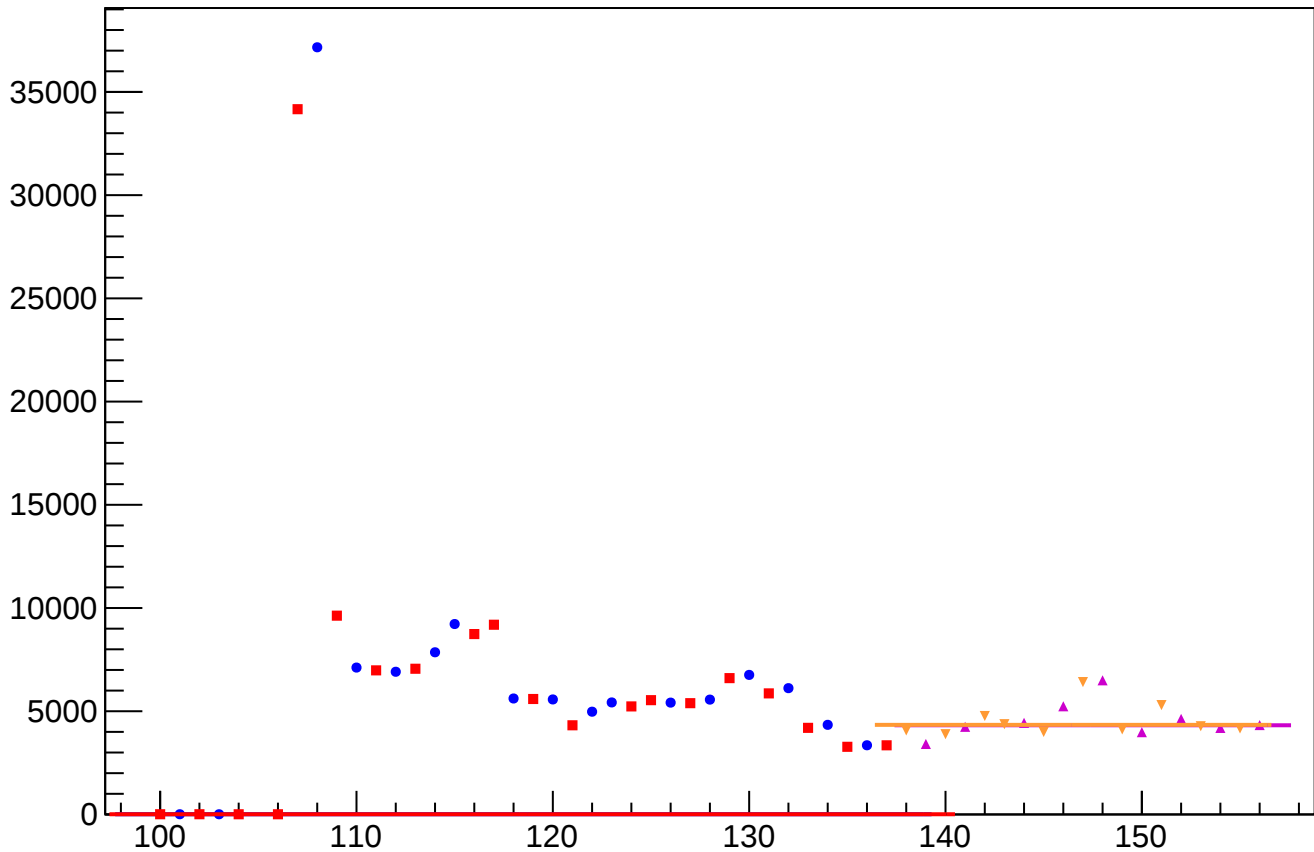
Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.8/19

Left In: 2.474 $\pm$ 1.620 χ^2 /NDF:17.6/8

0.001 $\pm$ 0.009 χ^2 /NDF: 22.6/26

0.014 $\pm$ 0.009 χ^2 /NDF: 38.7/28

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4340.195+/-1.147 χ^2/NDF : 262913.9/9

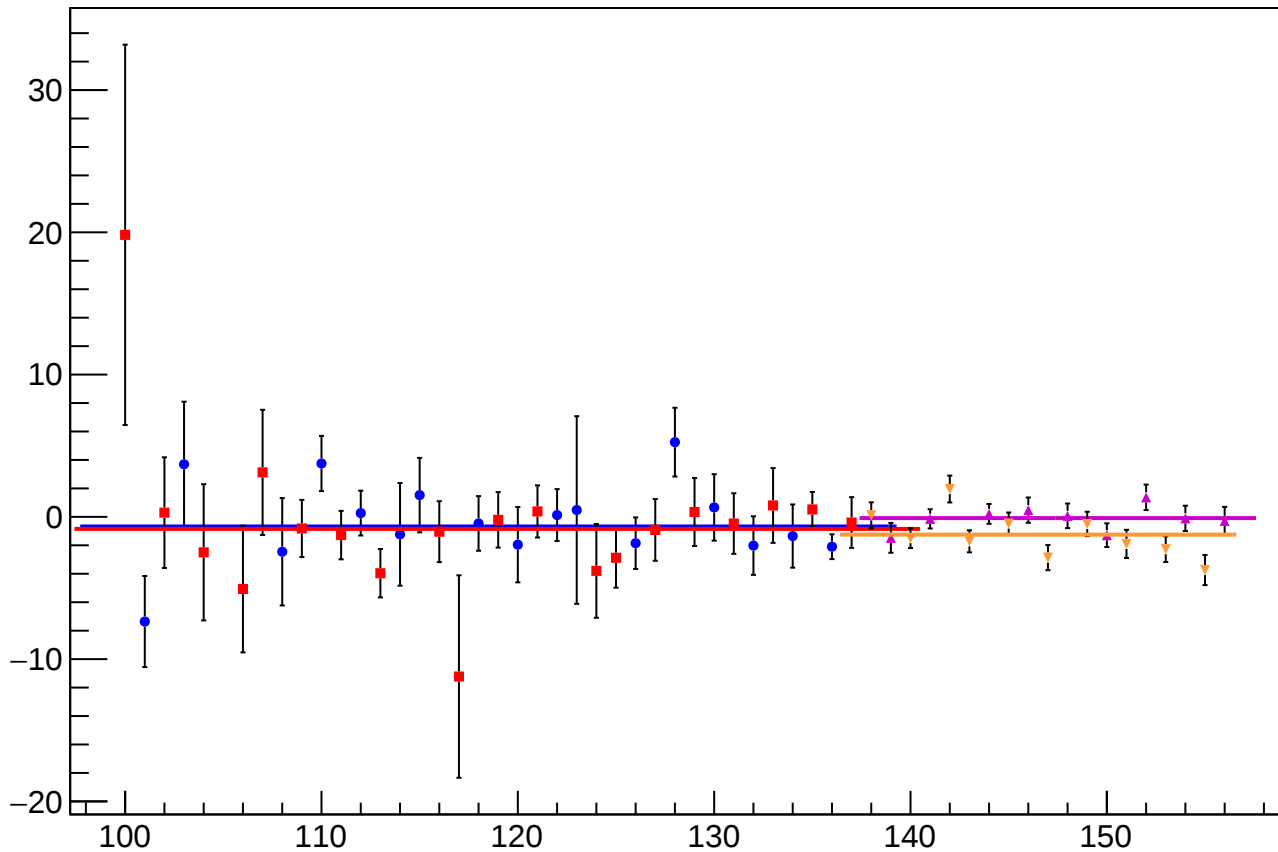
Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

Left In: 4320.352+/-1.146 χ^2/NDF : 346934.4/8

10.077+/-0.007 χ^2/NDF : 25486659.1/26

9.977+/-0.006 χ^2/NDF : 25740951.2/28

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -1.247 ± 0.272 χ^2/NDF : 26.6/9

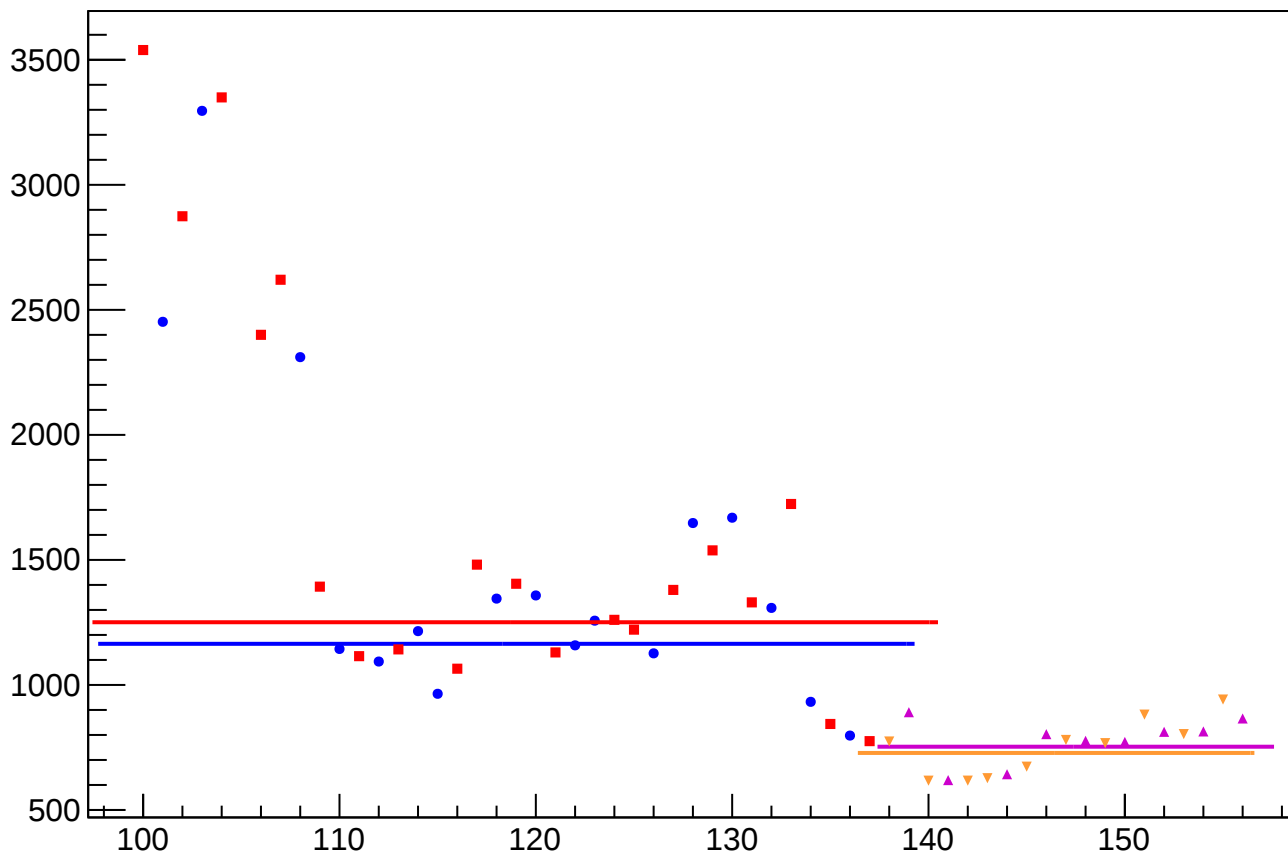
Right Out: -0.846 ± 0.500 χ^2/NDF : 14.1/19

Left In: -0.087 ± 0.280 χ^2/NDF : 7.2/8

-1.110 ± 0.237 χ^2/NDF : 50.0/26

-0.268 ± 0.244 χ^2/NDF : 23.0/28

diff_cav4cX_rms vs Slug



Right In: 1164.459+/-0.342 χ^2/NDF : 1584212.9/16

Left Out: 728.071+/-0.192 χ^2/NDF : 281963.0/9

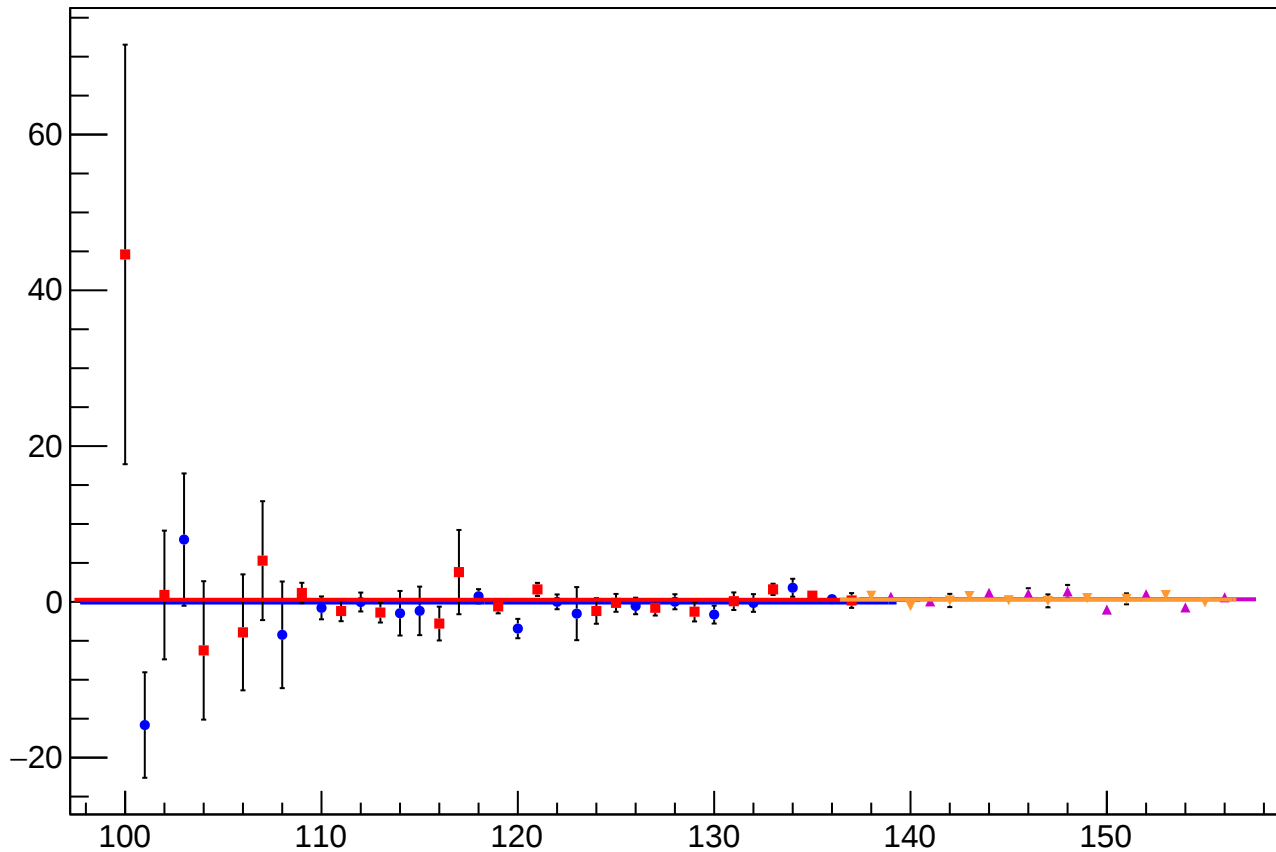
Right Out: 1250.738+/-0.354 χ^2/NDF : 1652238.9/19

Left In: 753.001+/-0.198 χ^2/NDF : 216030.7/8

832.693+/-0.168 χ^2/NDF : 3101546.7/26

871.814+/-0.173 χ^2/NDF : 3376794.8/28

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.294 ± 0.192 χ^2/NDF : 5.6/9

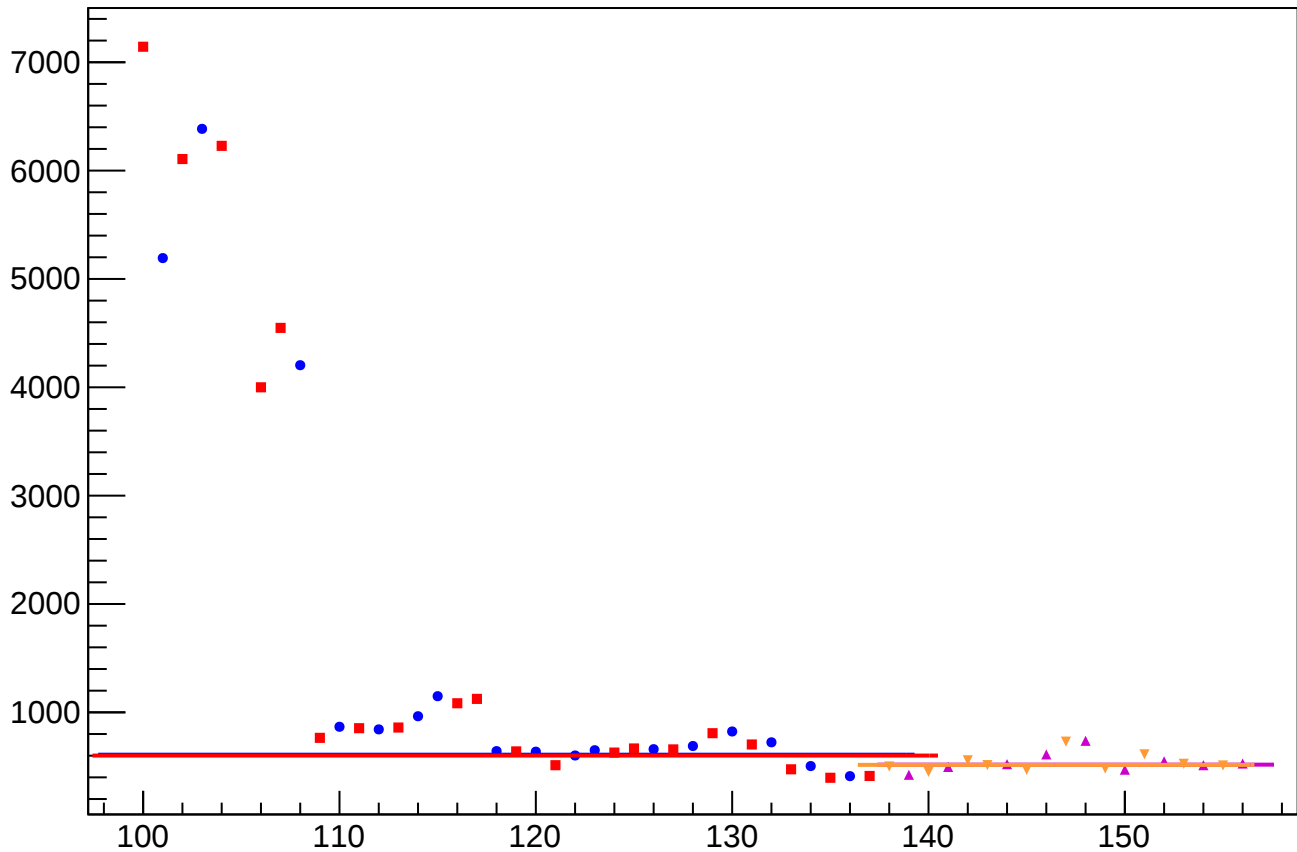
Right Out: 0.268 ± 0.264 χ^2/NDF : 20.9/19

Left In: 0.332 ± 0.193 χ^2/NDF : 17.1/8

0.167 ± 0.157 χ^2/NDF : 27.9/26

0.310 ± 0.156 χ^2/NDF : 38.0/28

diff_cav4cY_rms vs Slug



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 515.195+/-0.136 χ^2/NDF : 232814.6/9

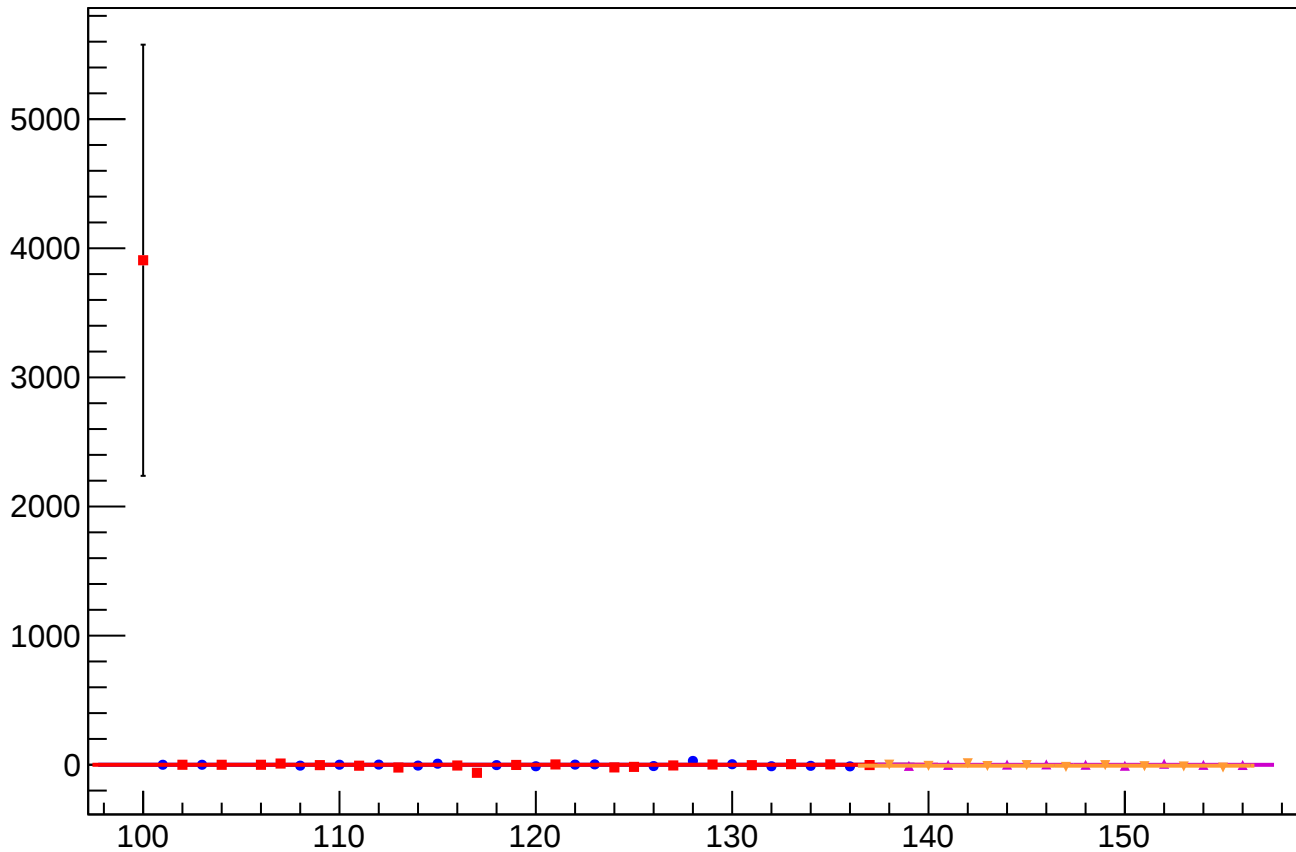
546.721+/-0.111 χ^2/NDF : 3532207.1/26

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

546.536+/-0.110 χ^2/NDF : 3970391.2/28

Left In: 517.239+/-0.137 χ^2/NDF : 272531.6/8

diff_cav4dX_mean vs Slug



Right In: -0.022+/-0.021 χ^2/NDF : 15.3/16

Left Out: -7.189+/-1.579 χ^2/NDF : 26.7/9

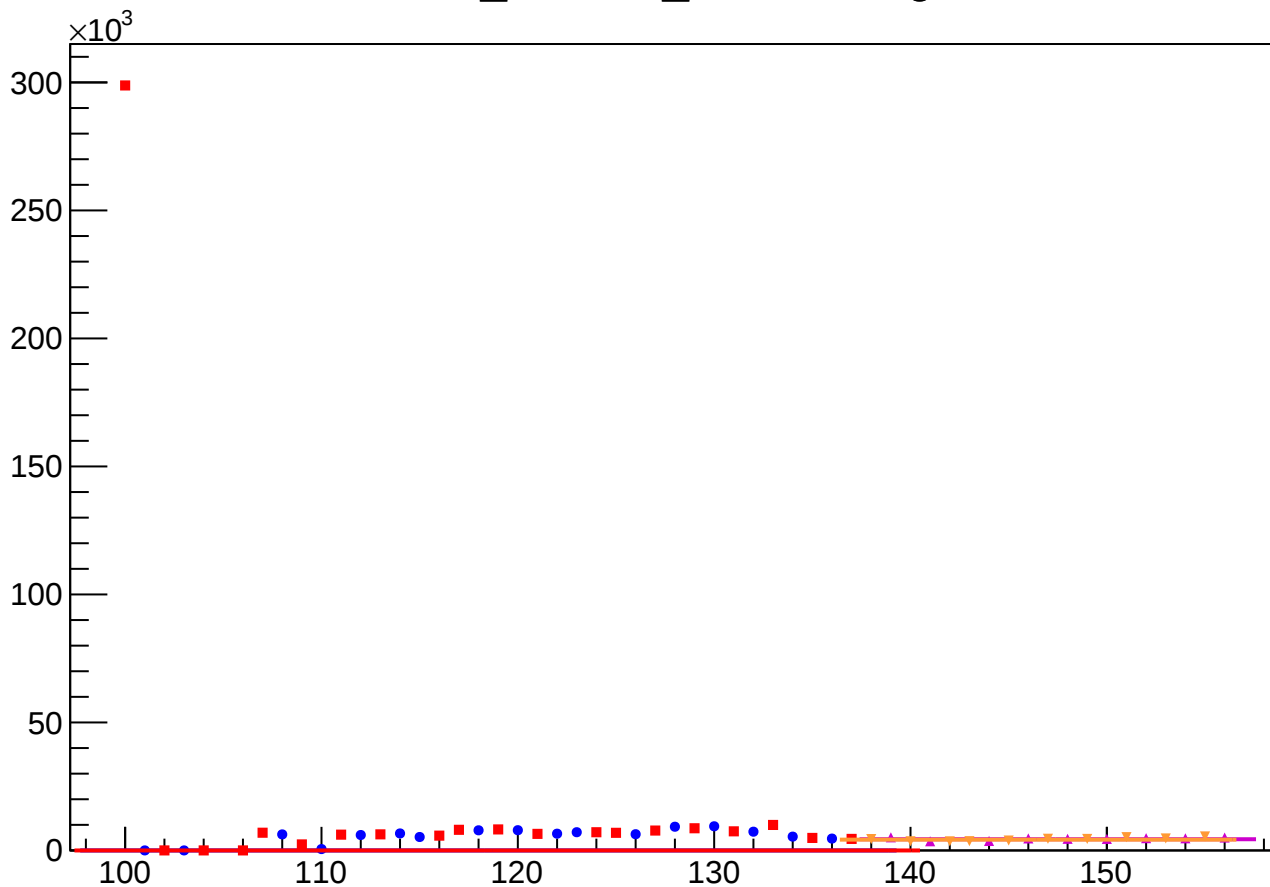
Right Out: -0.027+/-0.020 χ^2/NDF : 19.8/19

Left In: -0.500+/-1.631 χ^2/NDF : 7.1/8

-0.023+/-0.021 χ^2/NDF : 62.5/26

-0.027+/-0.020 χ^2/NDF : 27.0/28

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4224.316 $\pm$ 1.116 χ^2 /NDF: 302823.8/9

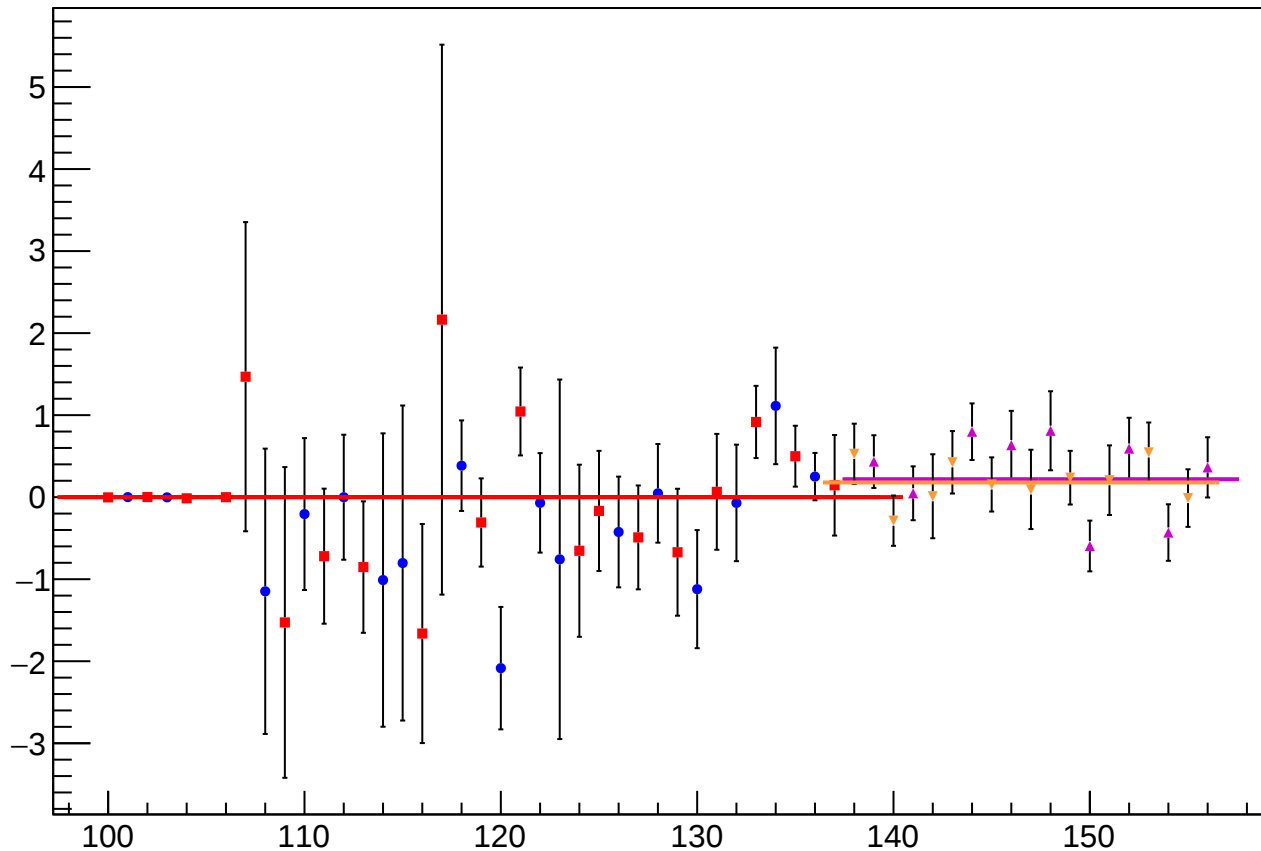
Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

Left In: 4383.271 $\pm$ 1.153 χ^2 /NDF: 228515.2/8

18.067 $\pm$ 0.015 χ^2 /NDF: 24861219.0/26

17.912 $\pm$ 0.014 χ^2 /NDF: 25462984.2/28

diff_cav4dY_mean vs Slug



Right In: 0.000+/-0.002 χ^2/NDF : 15.6/16

Left Out: 0.179+/-0.117 χ^2/NDF : 5.1/9

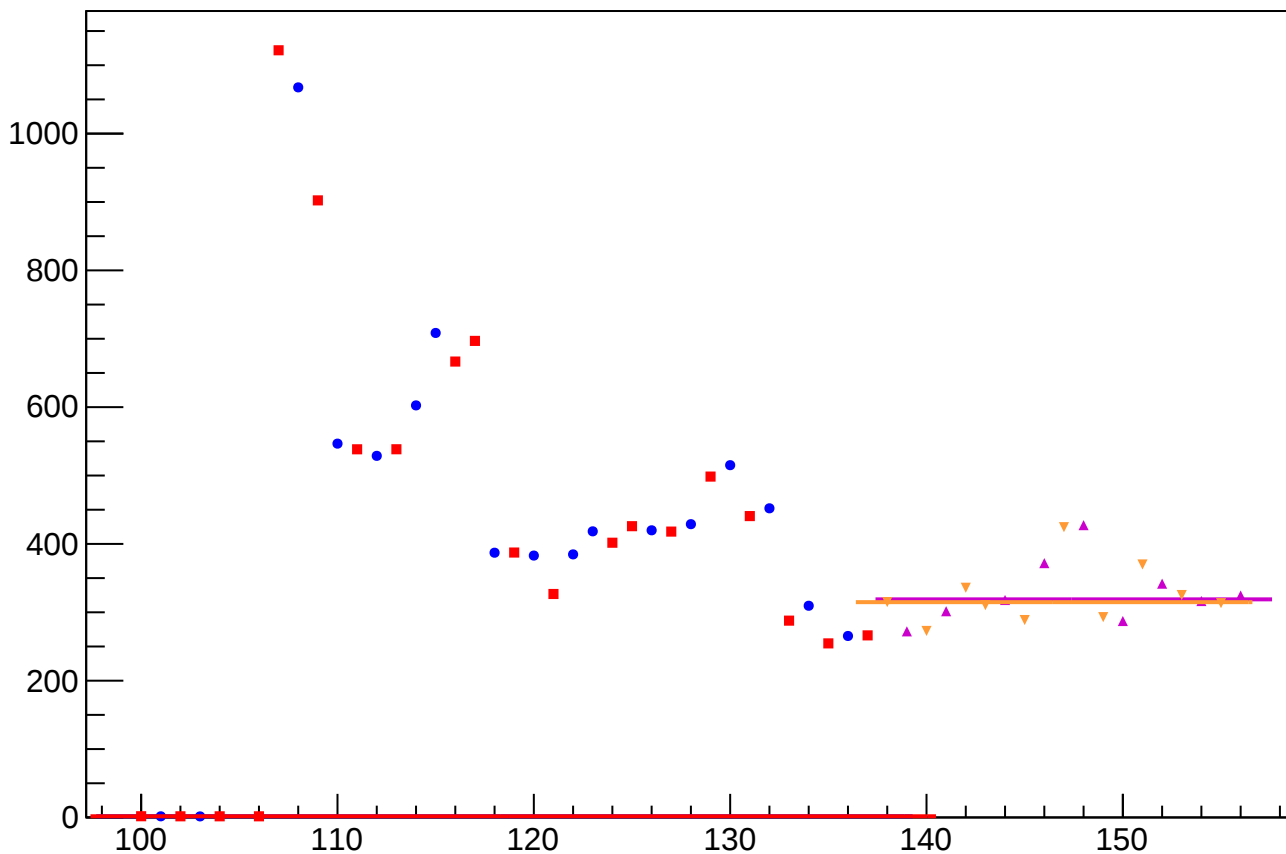
Right Out: 0.001+/-0.002 χ^2/NDF : 18.2/19

Left In: 0.219+/-0.119 χ^2/NDF : 17.6/8

0.000+/-0.002 χ^2/NDF : 23.1/26

0.001+/-0.002 χ^2/NDF : 39.2/28

diff_cav4dY_rms vs Slug



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 314.847+/-0.083 χ^2/NDF : 201102.9/9

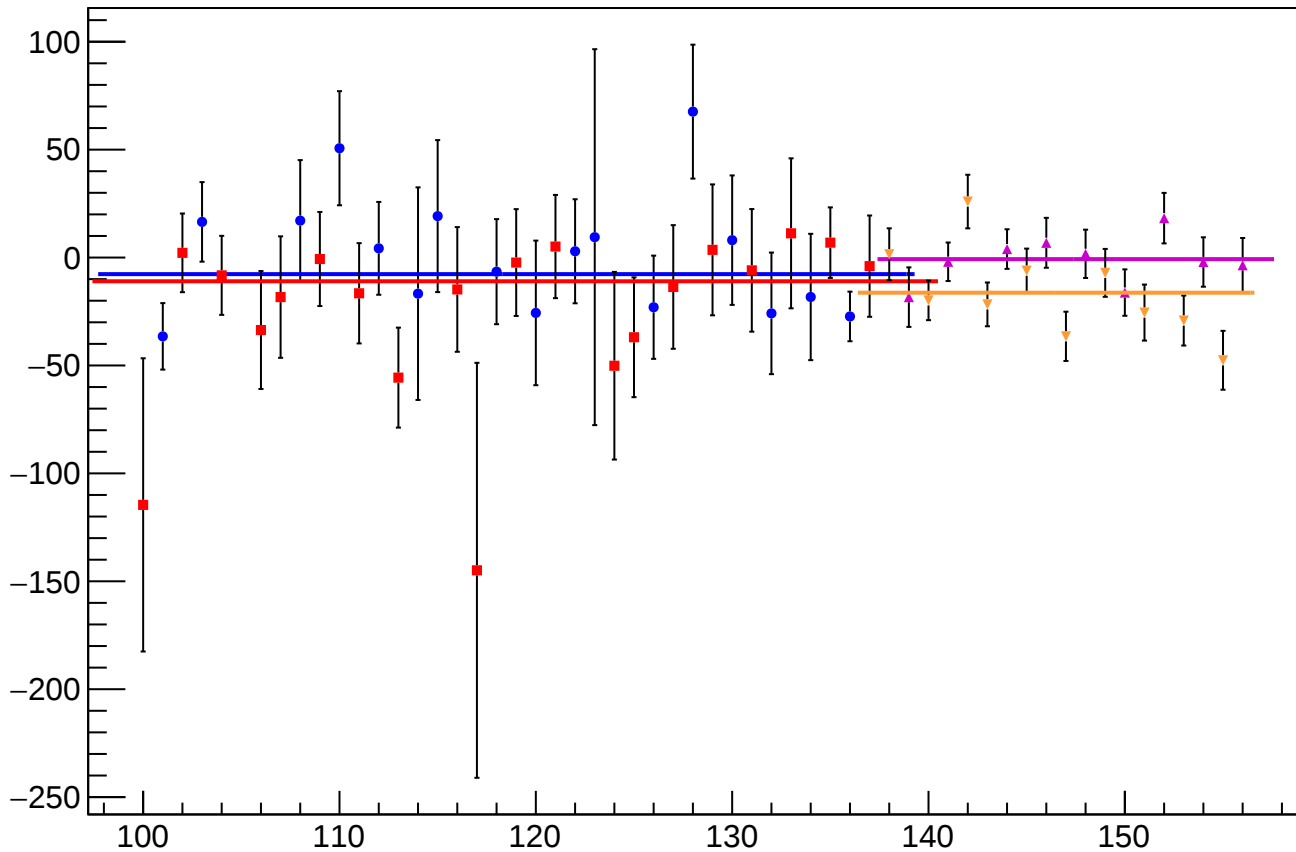
Right Out: 1.729+/-0.001 χ^2/NDF : 10822679.1/19

Left In: 318.933+/-0.084 χ^2/NDF : 210441.0/8

1.792+/-0.001 χ^2/NDF : 25369459.5/26

1.813+/-0.001 χ^2/NDF : 25264183.8/28

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 $\chi^2/\text{NDF}: 22.4/16$

Left Out: -16.281 ± 3.554 $\chi^2/\text{NDF}: 26.0/9$

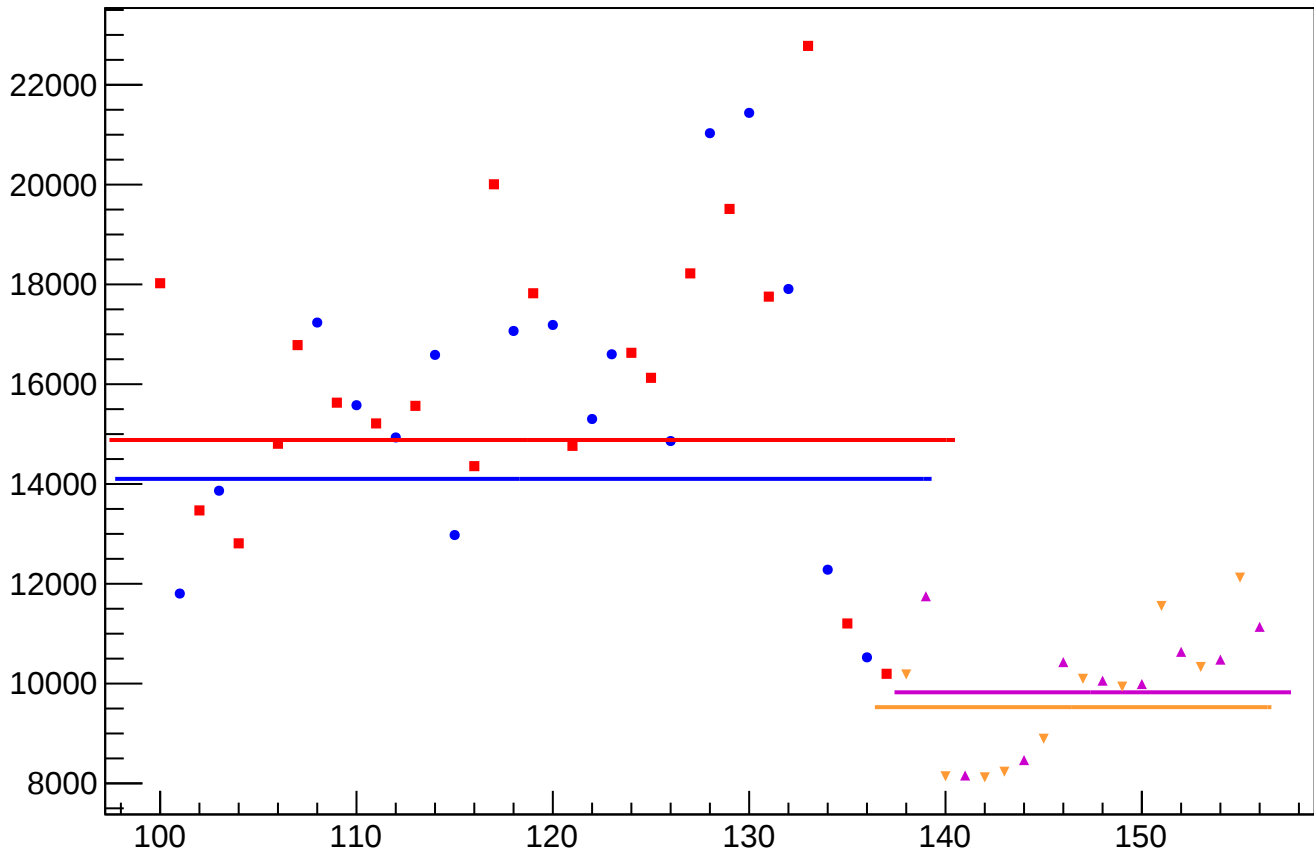
Right Out: -10.992 ± 5.672 $\chi^2/\text{NDF}: 13.8/19$

Left In: -0.726 ± 3.651 $\chi^2/\text{NDF}: 7.2/8$

-13.829 ± 3.005 $\chi^2/\text{NDF}: 50.1/26$

-3.734 ± 3.070 $\chi^2/\text{NDF}: 23.3/28$

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 9527.364+/-2.513 χ^2/NDF : 256111.3/9

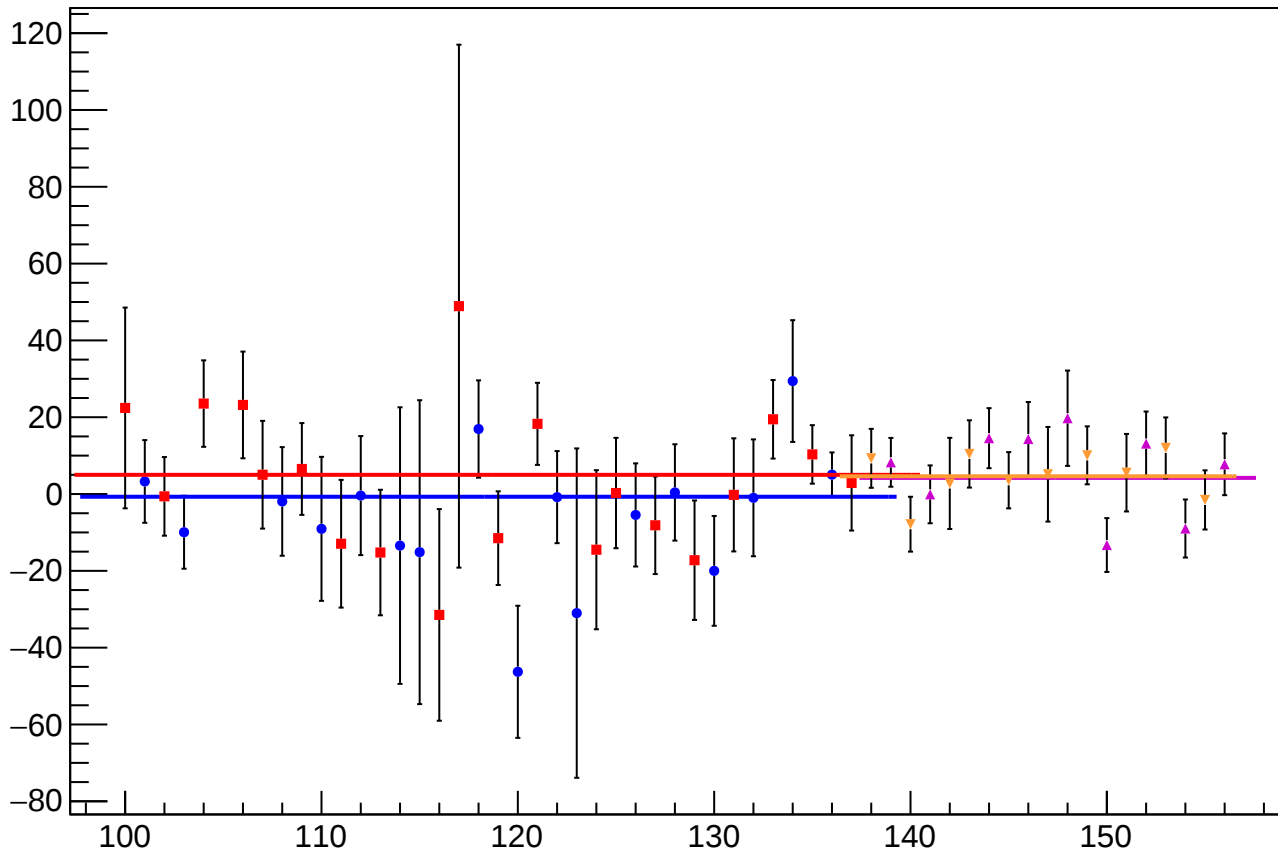
Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

Left In: 9825.186+/-2.582 χ^2/NDF : 197154.7/8

10832.195+/-2.125 χ^2/NDF : 1800066.1/26

11306.745+/-2.171 χ^2/NDF : 1796972.0/28

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 $\chi^2/\text{NDF}: 17.6/16$

Left Out: 4.623 ± 2.653 $\chi^2/\text{NDF}: 5.9/9$

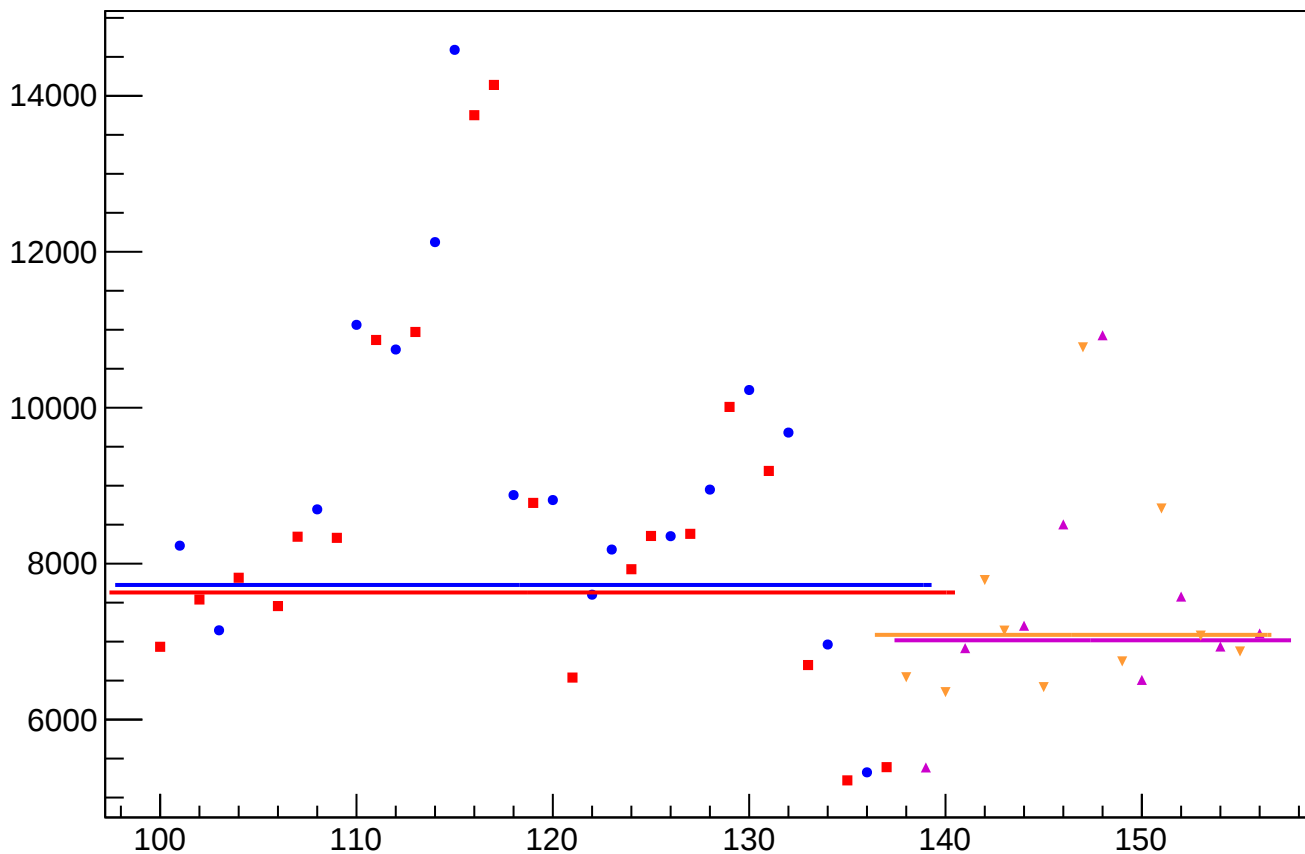
Right Out: 5.000 ± 2.937 $\chi^2/\text{NDF}: 20.2/19$

Left In: 4.206 ± 2.638 $\chi^2/\text{NDF}: 15.7/8$

2.355 ± 2.011 $\chi^2/\text{NDF}: 25.2/26$

4.561 ± 1.963 $\chi^2/\text{NDF}: 36.0/28$

diff_bpm4aY_rms vs Slug



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7086.793 $\pm$ 1.876 χ^2 /NDF: 291297.6/9

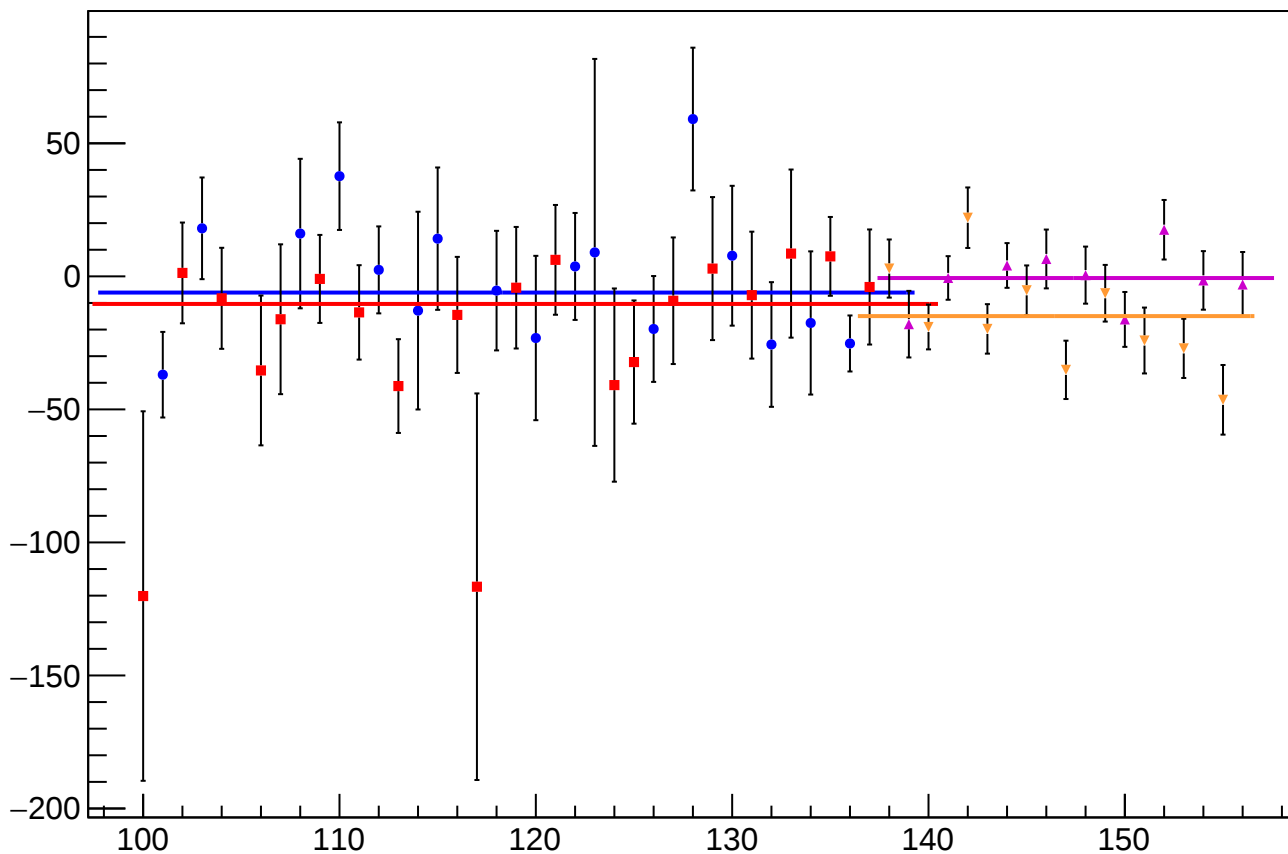
Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

Left In: 7016.847 $\pm$ 1.865 χ^2 /NDF: 399488.4/8

7359.021 $\pm$ 1.422 χ^2 /NDF: 1083310.8/26

7290.808 $\pm$ 1.388 χ^2 /NDF: 1141235.8/28

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -14.938 ± 3.318 $\chi^2/\text{NDF}: 26.4/9$

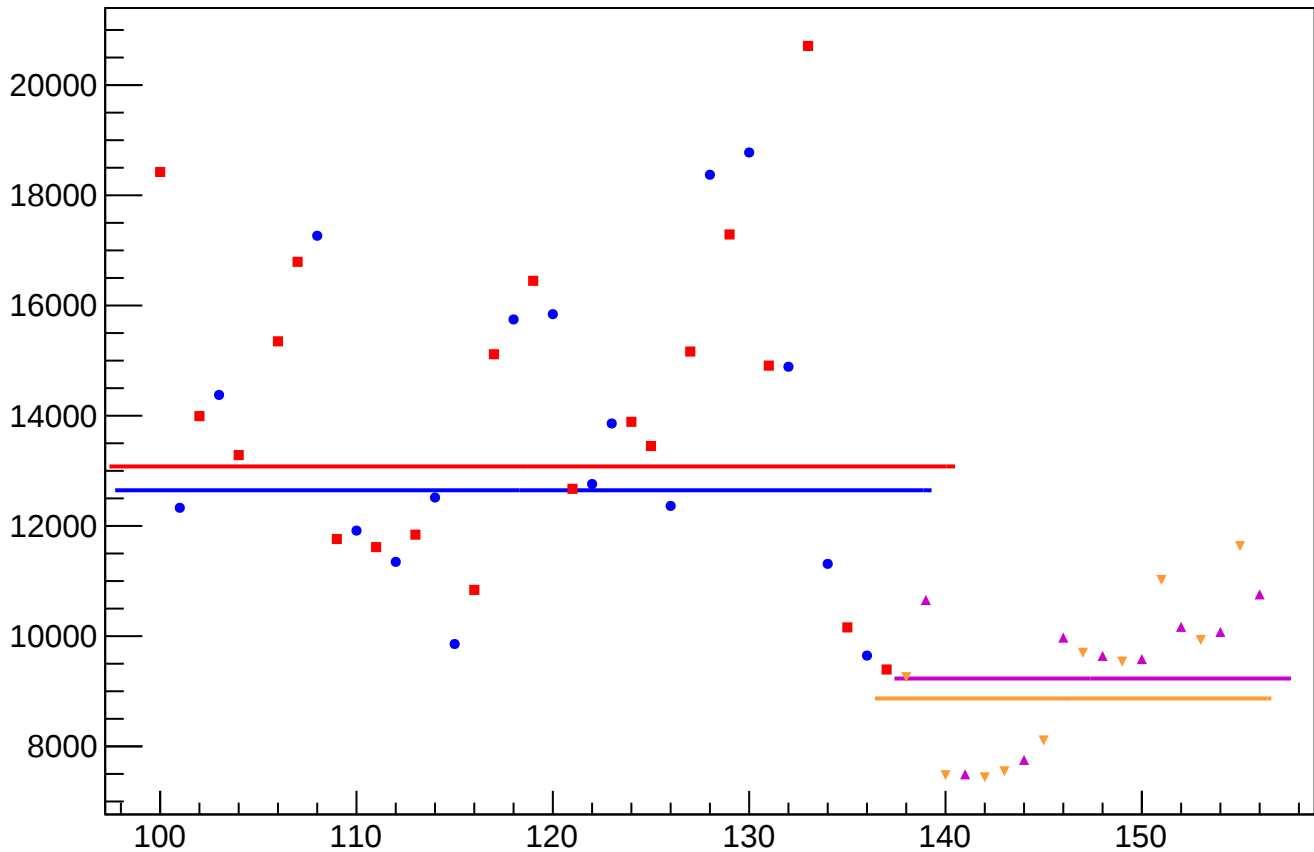
Right Out: -10.369 ± 4.992 $\chi^2/\text{NDF}: 13.8/19$

Left In: -0.633 ± 3.437 $\chi^2/\text{NDF}: 7.6/8$

-12.259 ± 2.770 $\chi^2/\text{NDF}: 51.4/26$

-3.764 ± 2.831 $\chi^2/\text{NDF}: 24.0/28$

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8869.274+/-2.346 χ^2/NDF : 329619.6/9

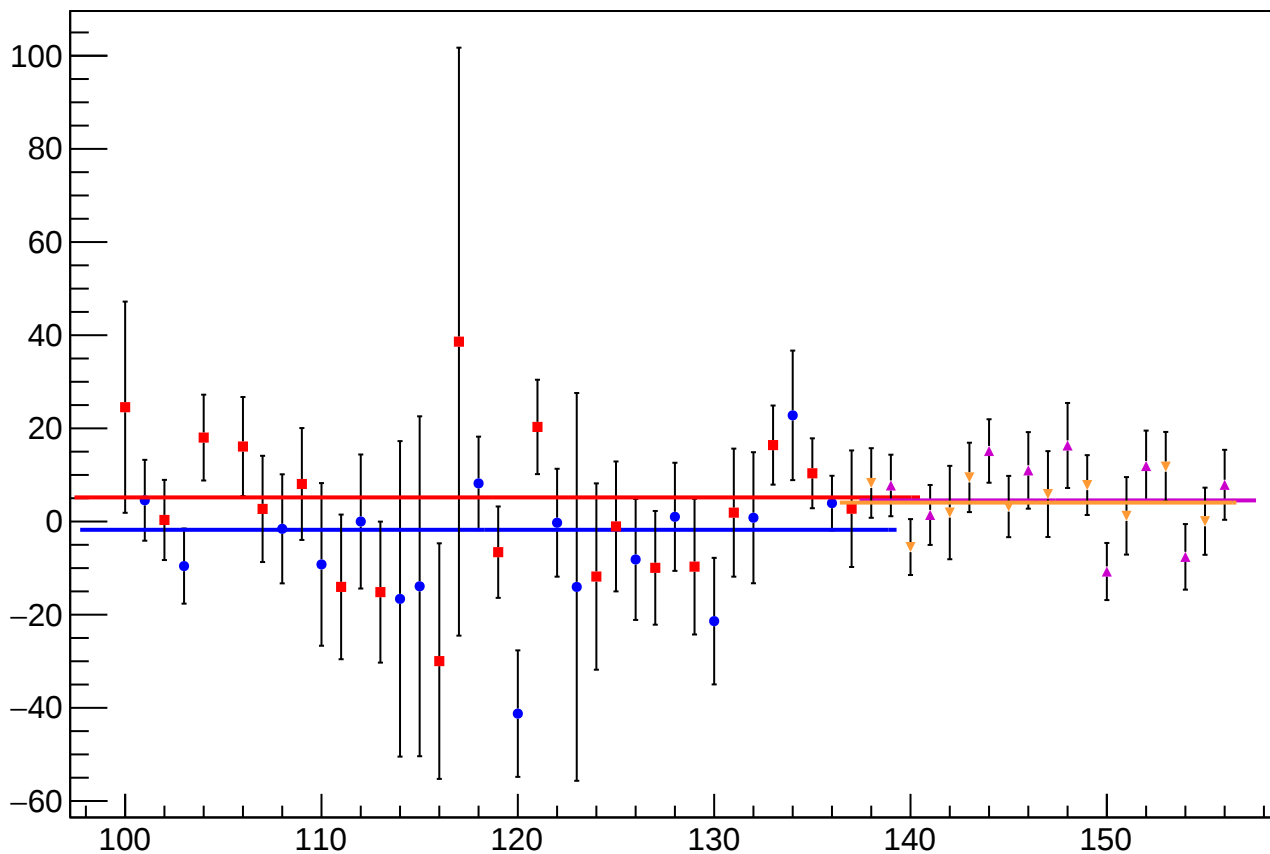
Right Out: 13079.592+/-3.530 χ^2/NDF : 497851.1/19

Left In: 9231.325+/-2.430 χ^2/NDF : 249086.0/8

10013.587+/-1.959 χ^2/NDF : 1669316.7/26

10468.799+/-2.002 χ^2/NDF : 1553376.1/28

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 4.067 ± 2.329 χ^2/NDF : 5.3/9

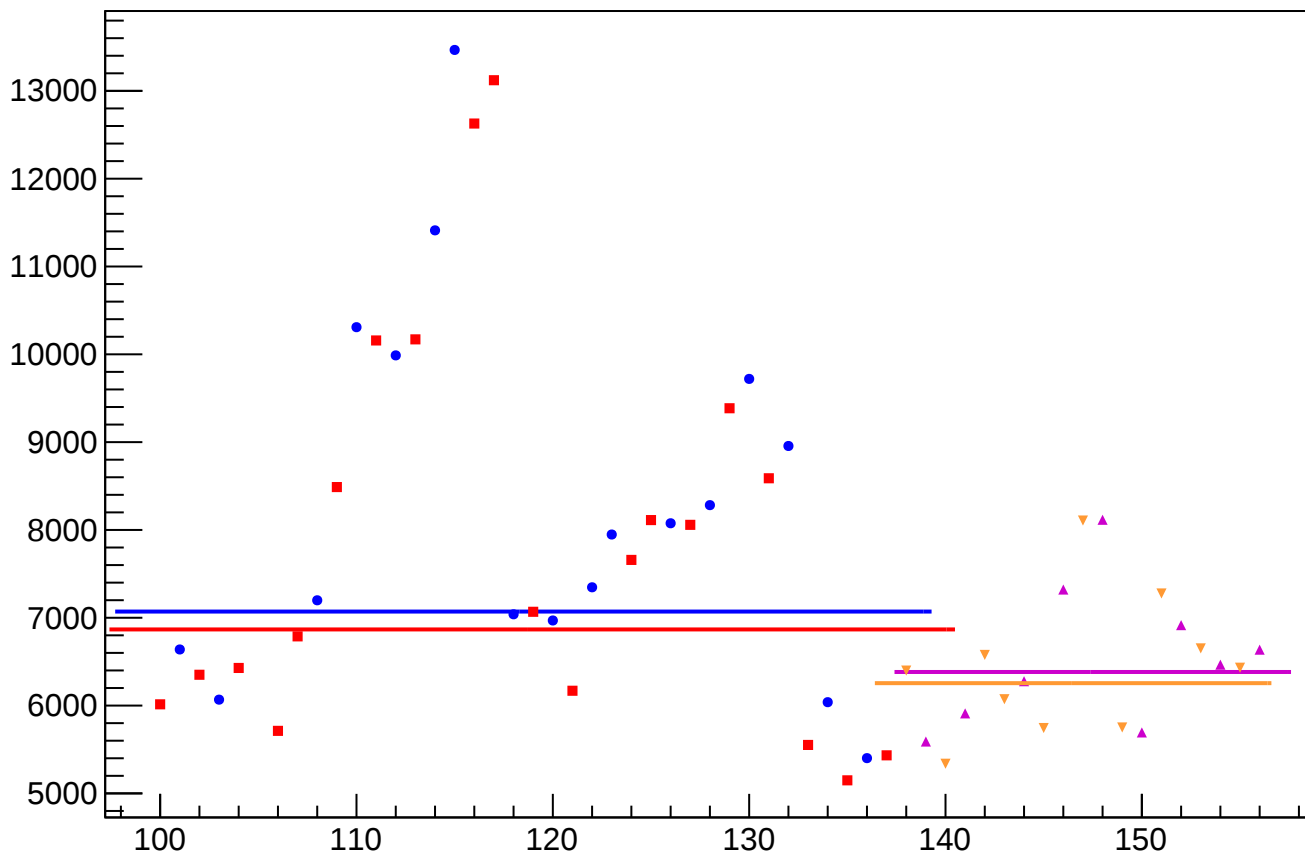
Right Out: 5.181 ± 2.640 χ^2/NDF : 19.2/19

Left In: 4.533 ± 2.375 χ^2/NDF : 15.5/8

1.684 ± 1.792 χ^2/NDF : 25.9/26

4.823 ± 1.766 χ^2/NDF : 34.7/28

diff_bpm4eY_rms vs Slug



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6255.338 $\pm$ 1.647 χ^2 /NDF:192775.1/9

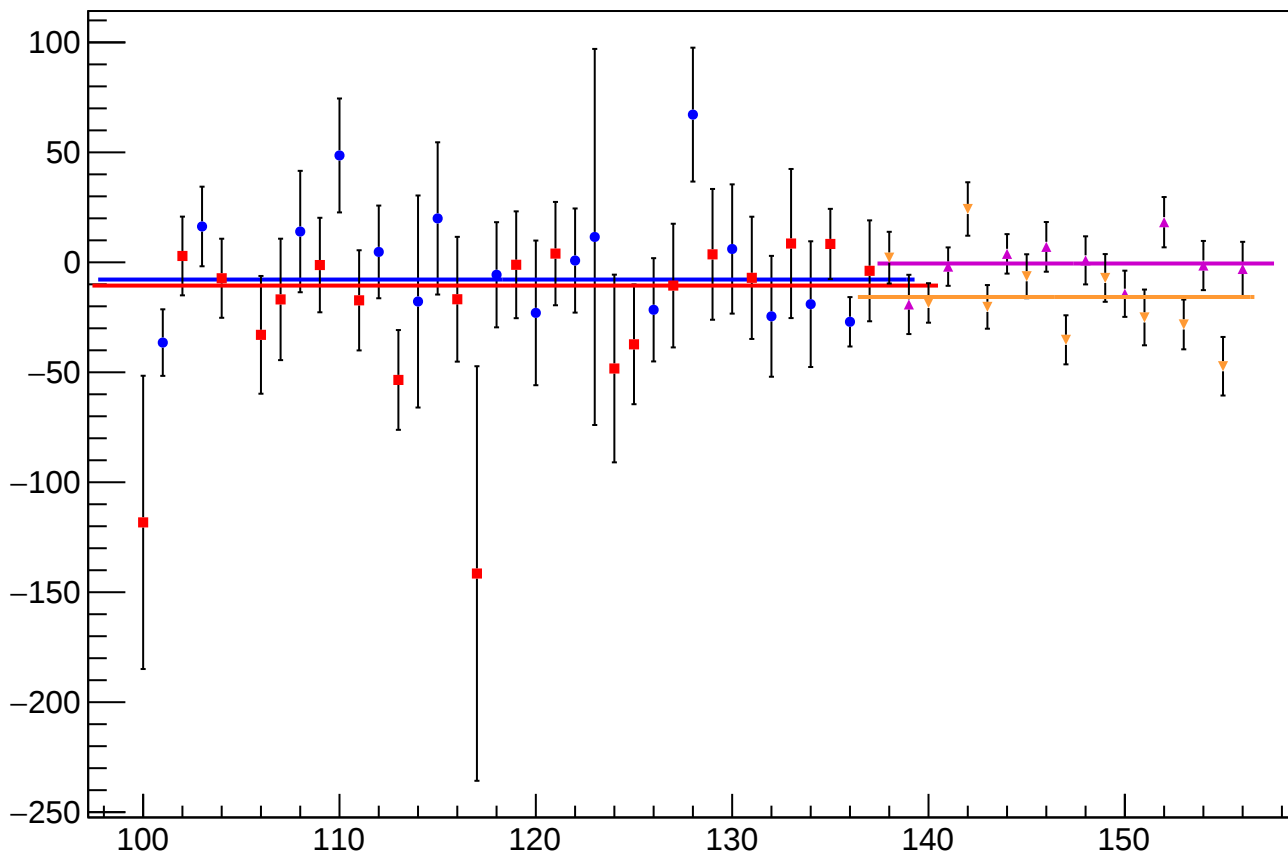
Right Out: 6867.094 $\pm$ 1.866 χ^2 /NDF: 701892.5/19

Left In: 6382.633 $\pm$ 1.680 χ^2 /NDF:175834.7/8

6587.833 $\pm$ 1.267 χ^2 /NDF: 894466.2/26

6599.418 $\pm$ 1.249 χ^2 /NDF: 914951.9/28

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -15.761 ± 3.475 $\chi^2/\text{NDF}: 25.4/9$

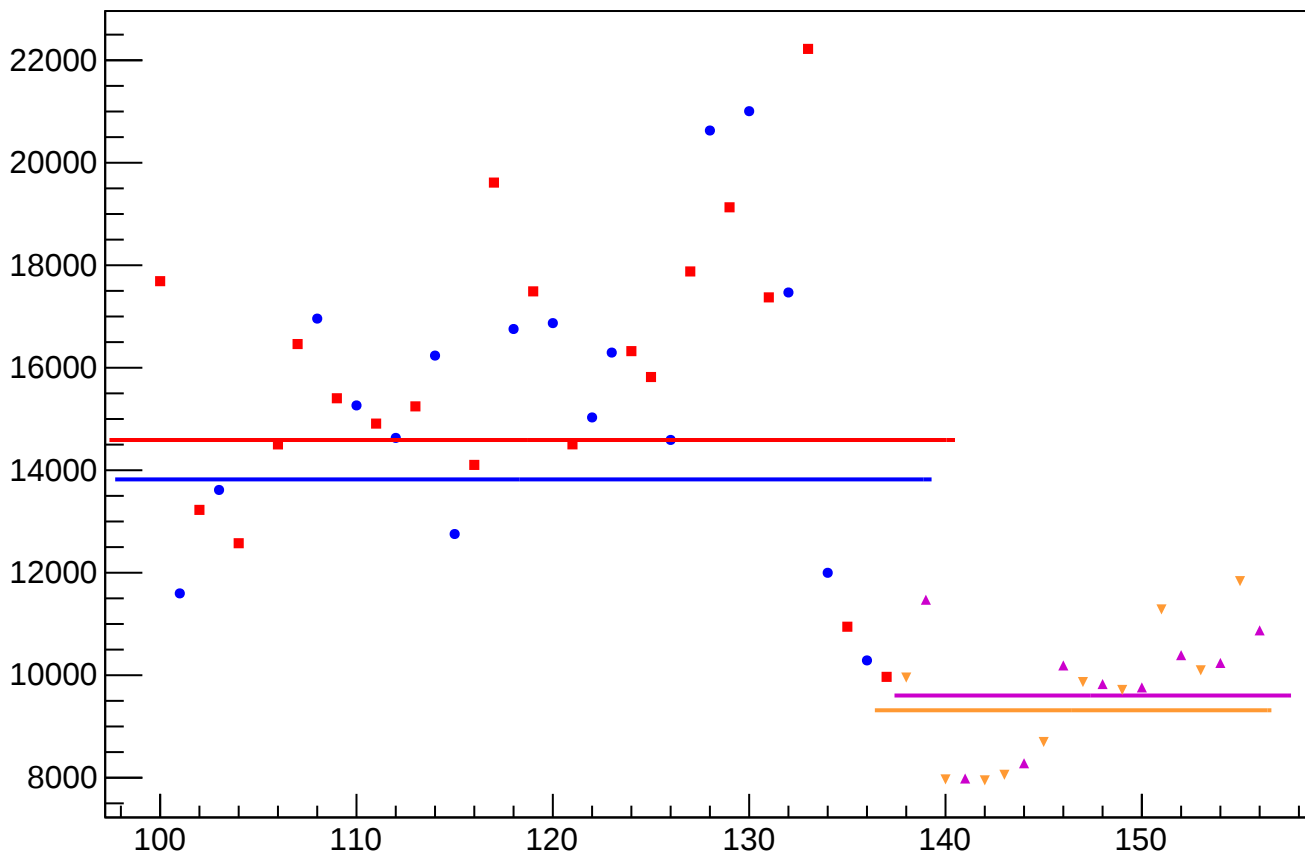
Right Out: -10.574 ± 5.561 $\chi^2/\text{NDF}: 14.1/19$

Left In: -0.537 ± 3.569 $\chi^2/\text{NDF}: 7.1/8$

-13.506 ± 2.940 $\chi^2/\text{NDF}: 49.1/26$

-3.464 ± 3.004 $\chi^2/\text{NDF}: 23.5/28$

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9315.986+/-2.457 χ^2/NDF :253163.0/9

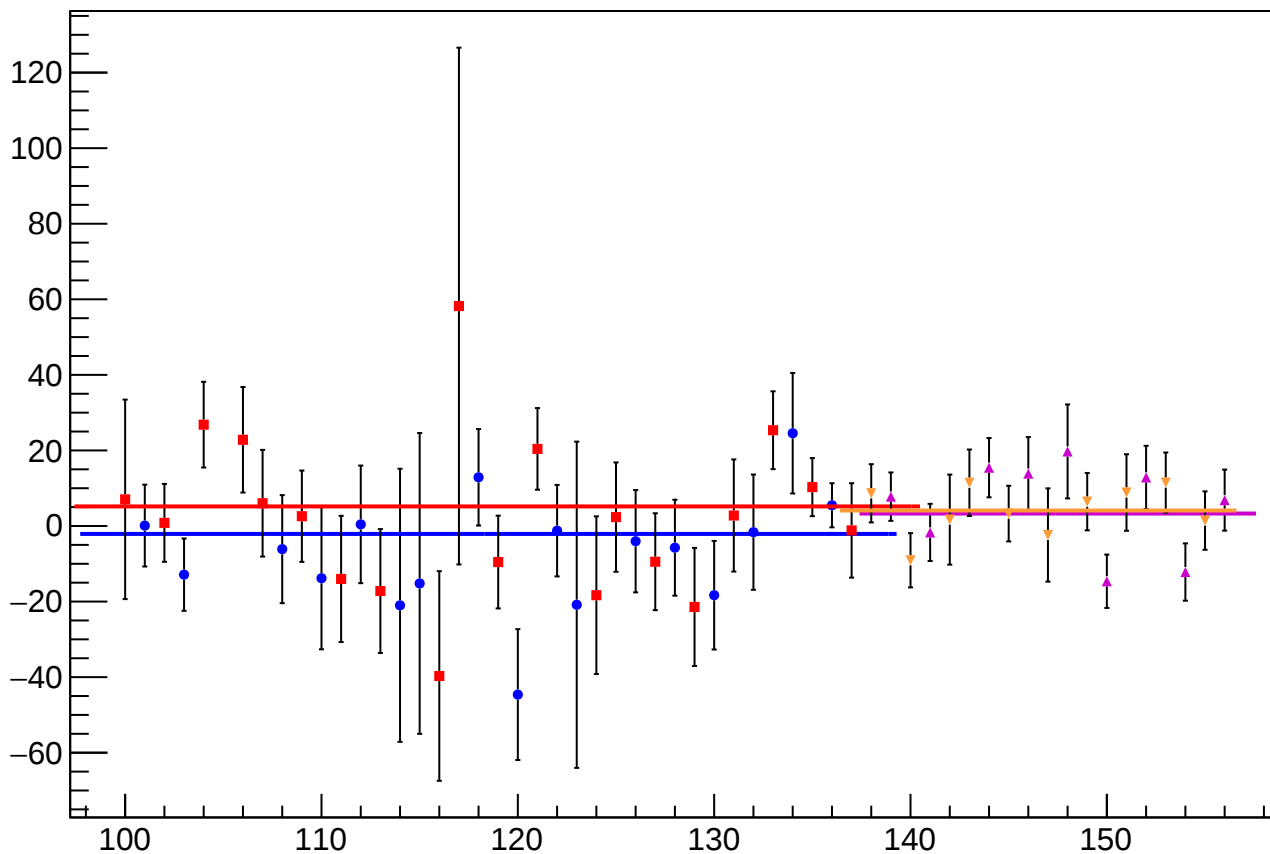
10596.100+/-2.079 χ^2/NDF : 1810998.2/26

Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

11058.467+/-2.124 χ^2/NDF : 1811268.3/28

Left In: 9604.191+/-2.524 χ^2/NDF :194556.5/8

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 4.105 ± 2.665 $\chi^2/\text{NDF}: 6.0/9$

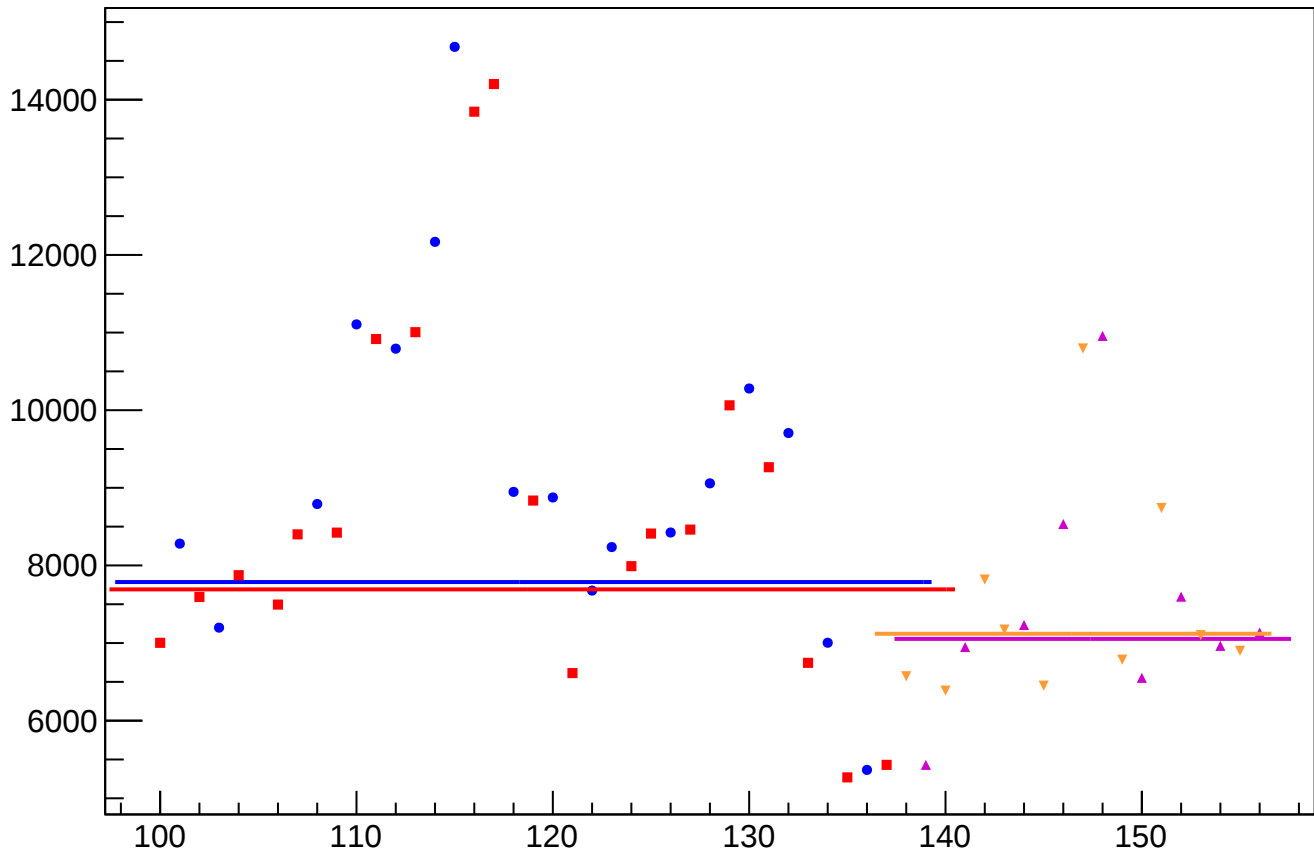
Right Out: 5.184 ± 2.959 $\chi^2/\text{NDF}: 25.4/19$

Left In: 3.297 ± 2.651 $\chi^2/\text{NDF}: 18.4/8$

1.476 ± 2.023 $\chi^2/\text{NDF}: 24.0/26$

4.137 ± 1.975 $\chi^2/\text{NDF}: 44.0/28$

diff_bpm4acY_rms vs Slug



Right In: 7785.931+/-2.197 χ^2 /NDF: 738101.9/16

Left Out: 7119.875+/-1.884 χ^2 /NDF: 288344.5/9

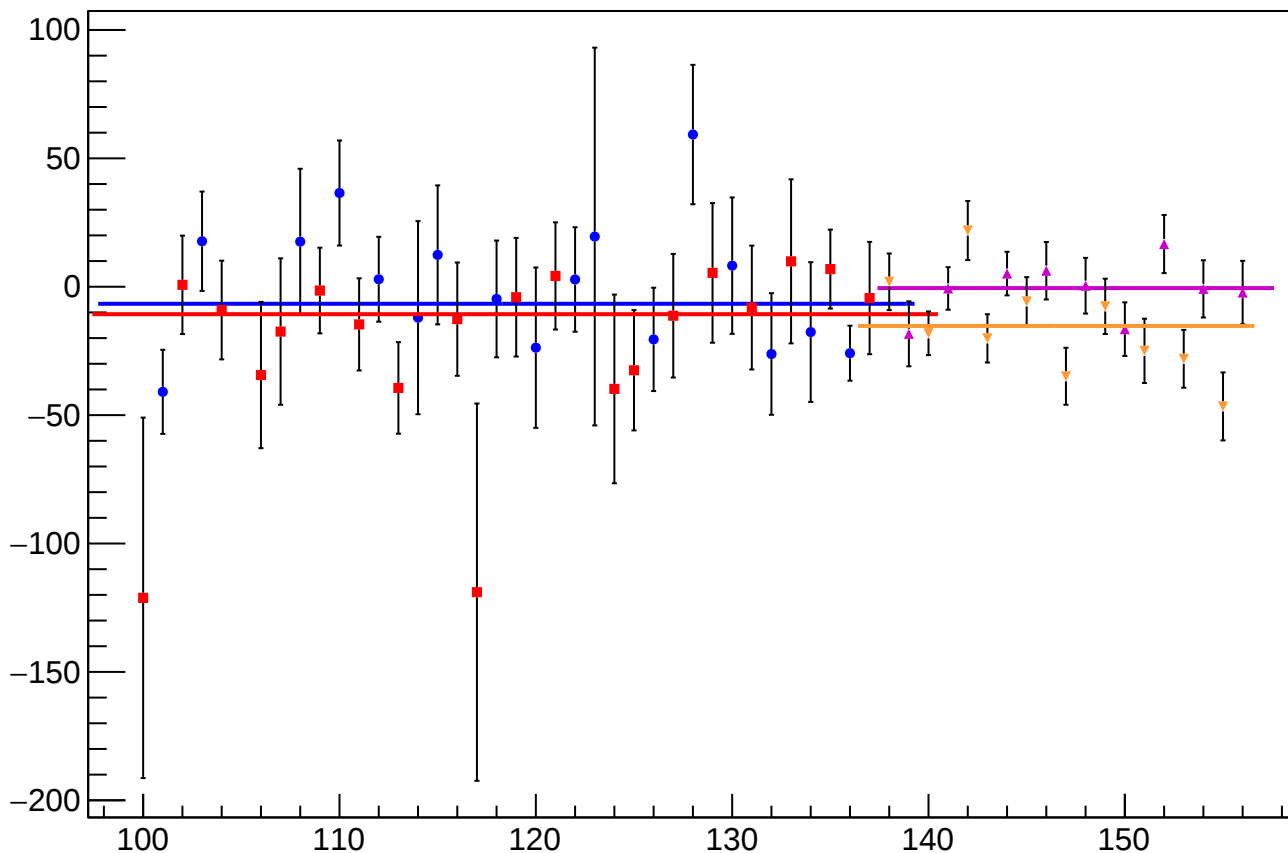
Right Out: 7691.398+/-2.093 χ^2 /NDF: 686898.9/19

Left In: 7053.431+/-1.874 χ^2 /NDF: 392696.1/8

7402.234+/-1.430 χ^2 /NDF: 1079412.0/26

7337.428+/-1.396 χ^2 /NDF: 1131162.8/28

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -15.268 ± 3.354 χ^2/NDF : 25.4/9

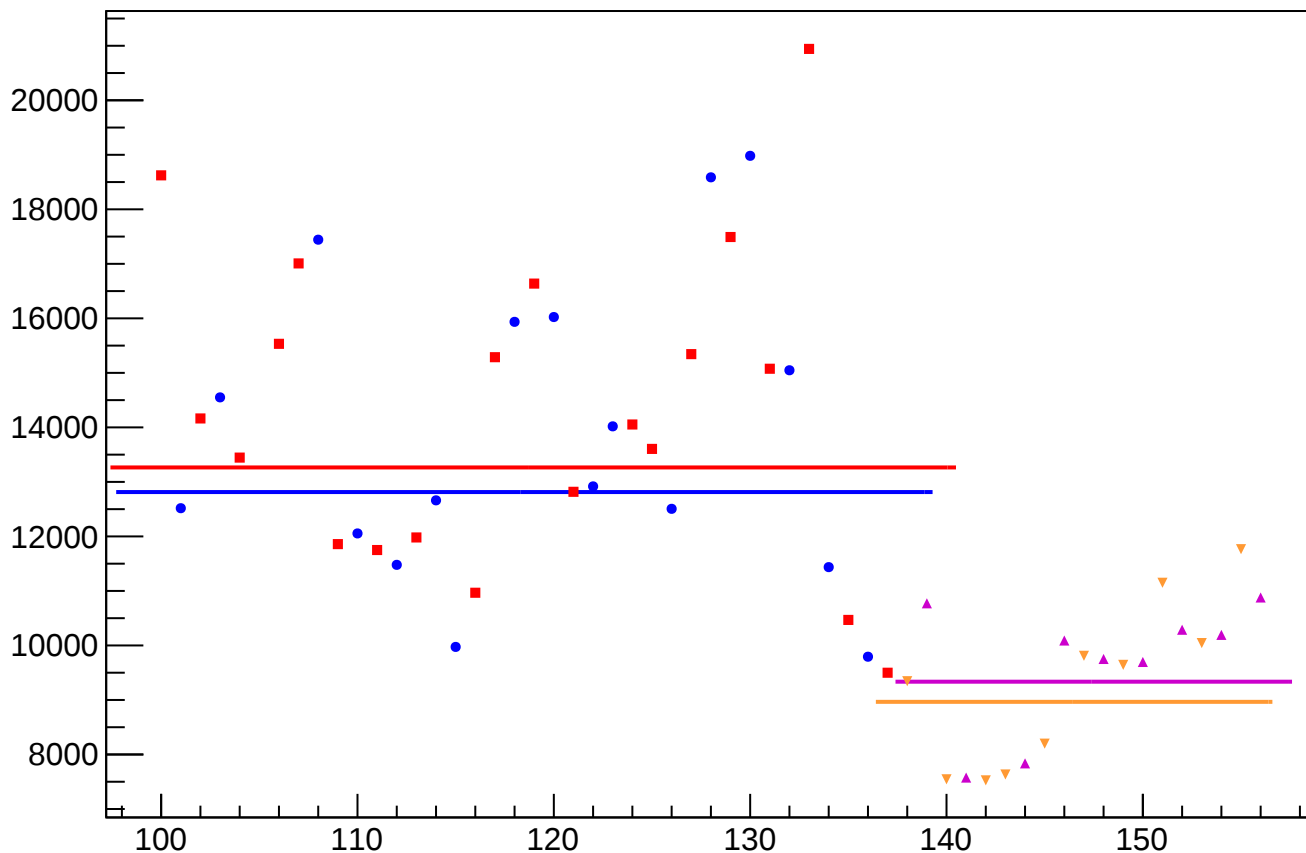
Right Out: -10.688 ± 5.063 χ^2/NDF : 13.0/19

Left In: -0.524 ± 3.475 χ^2/NDF : 7.5/8

-12.662 ± 2.803 χ^2/NDF : 50.8/26

-3.779 ± 2.865 χ^2/NDF : 23.2/28

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8965.719+/-2.372 χ^2/NDF :331173.0/9

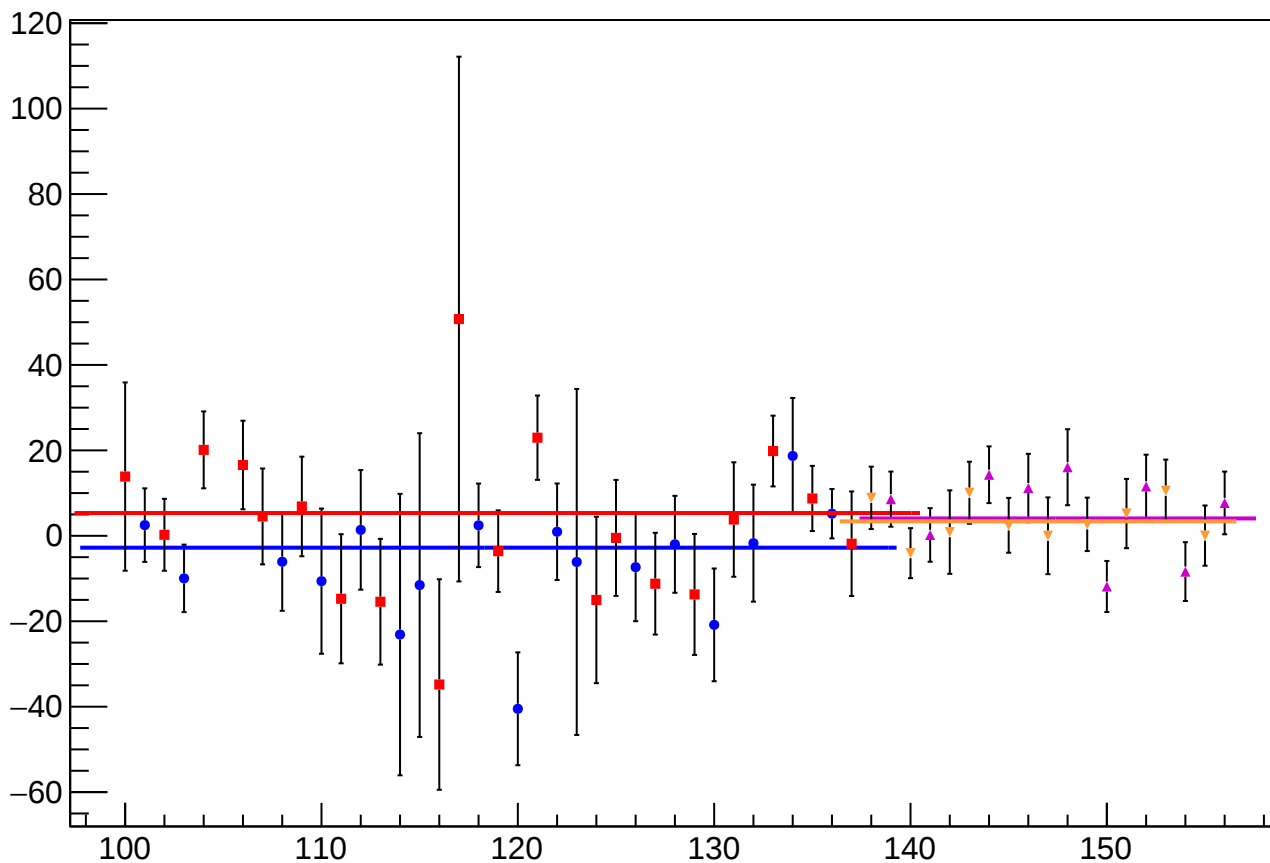
Right Out: 13265.185+/-3.580 χ^2/NDF : 485810.1/19

Left In: 9335.146+/-2.457 χ^2/NDF :250093.4/8

10127.225+/-1.982 χ^2/NDF : 1673785.9/26

10593.926+/-2.026 χ^2/NDF : 1555076.1/28

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 $\chi^2/\text{NDF}: 17.0/16$

Left Out: 3.381 ± 2.272 $\chi^2/\text{NDF}: 4.5/9$

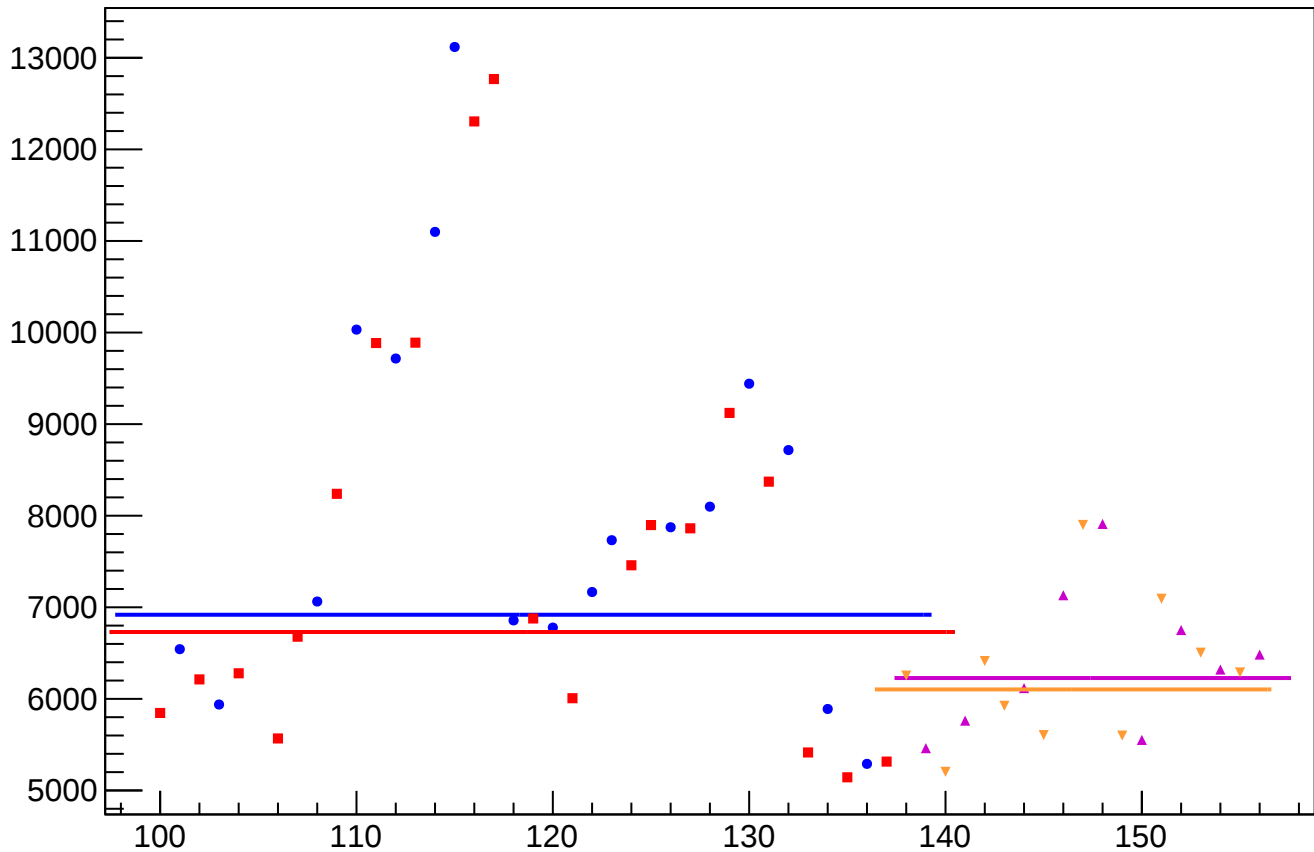
Right Out: 5.332 ± 2.587 $\chi^2/\text{NDF}: 24.1/19$

Left In: 4.066 ± 2.318 $\chi^2/\text{NDF}: 17.5/8$

0.879 ± 1.751 $\chi^2/\text{NDF}: 24.5/26$

4.630 ± 1.726 $\chi^2/\text{NDF}: 41.7/28$

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6103.122+/-1.606 χ^2/NDF :193618.5/9

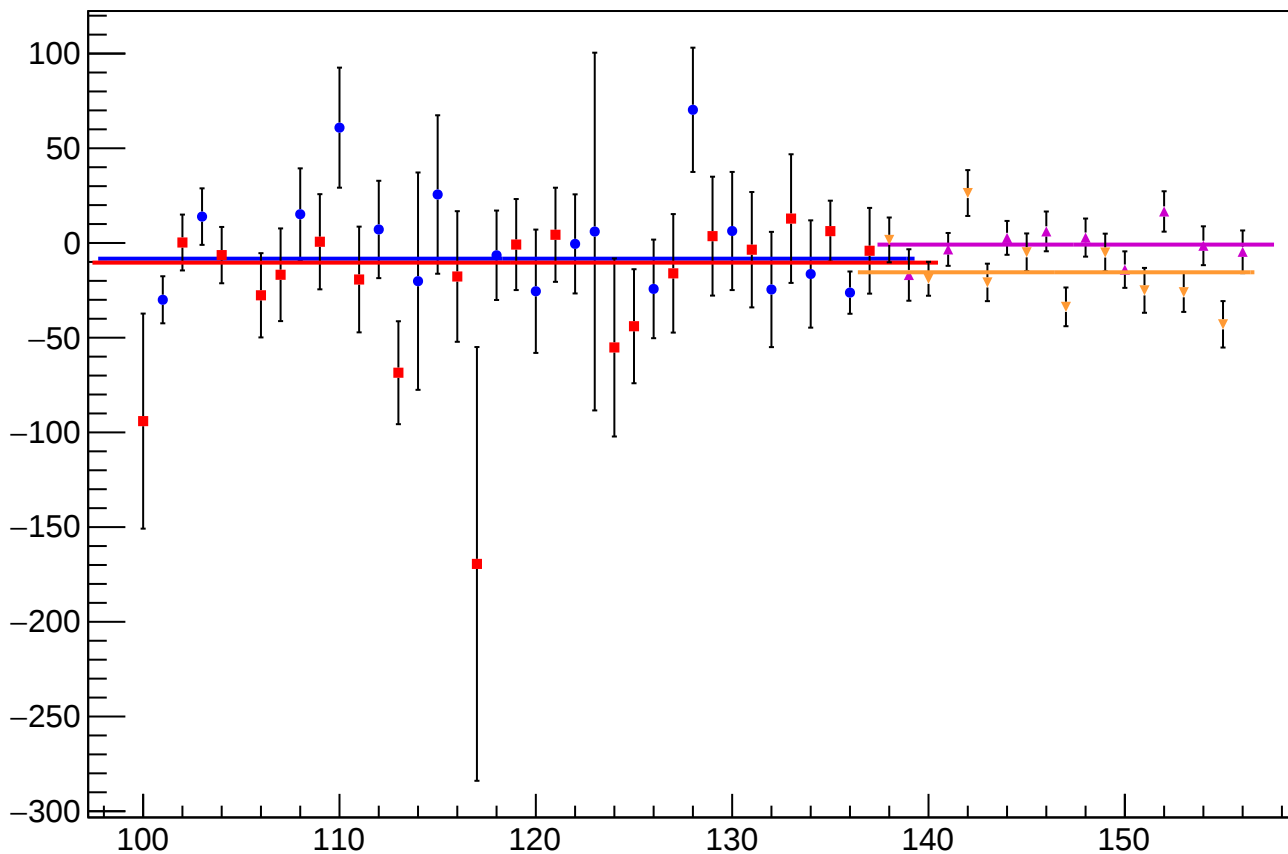
Right Out: 6730.137+/-1.830 χ^2/NDF : 673193.1/19

Left In: 6227.465+/-1.639 χ^2/NDF :175137.2/8

6434.316+/-1.238 χ^2/NDF : 886239.8/26

6451.246+/-1.221 χ^2/NDF : 890214.2/28

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -15.470 ± 3.342 χ^2/NDF : 26.6/9

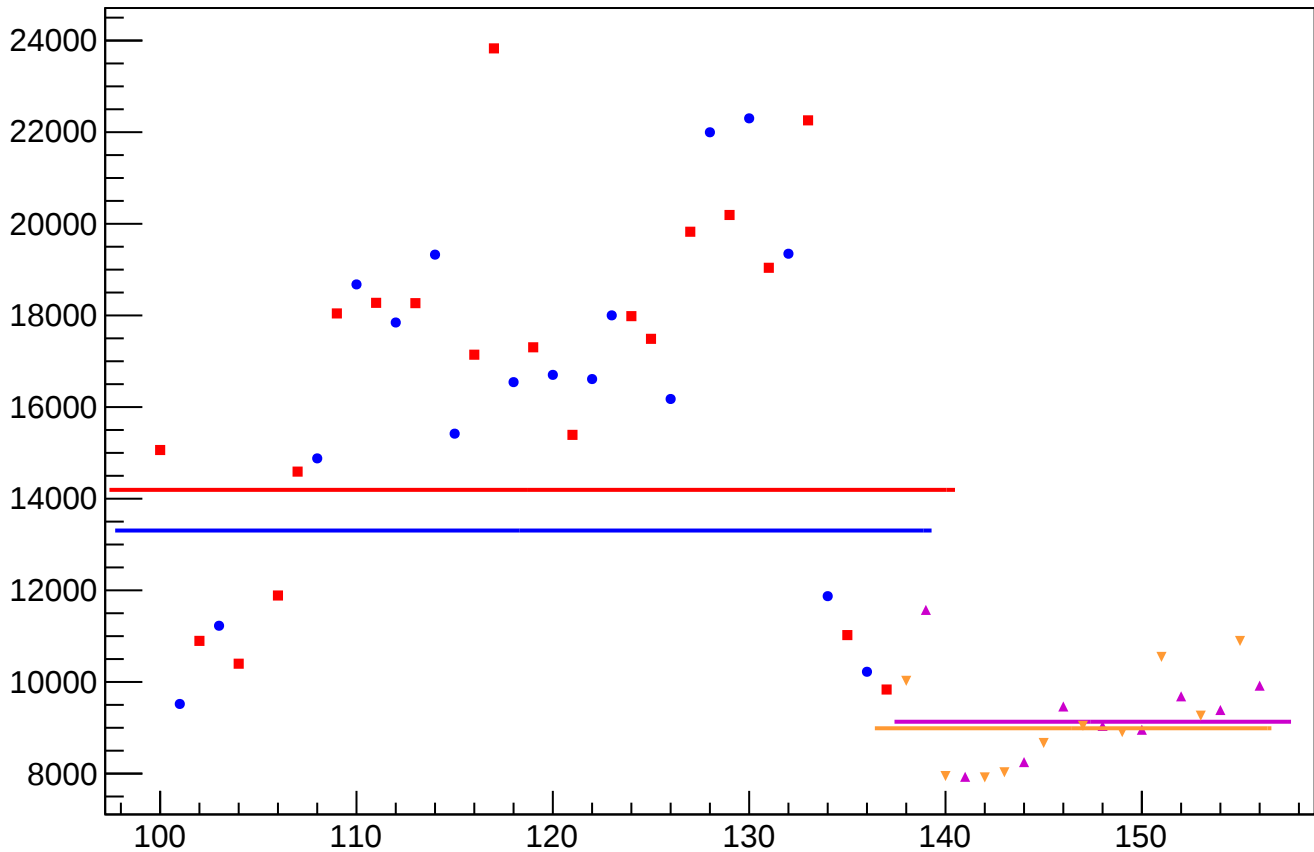
Right Out: -10.376 ± 5.507 χ^2/NDF : 14.8/19

Left In: -0.856 ± 3.388 χ^2/NDF : 6.9/8

-13.486 ± 2.843 χ^2/NDF : 49.6/26

-3.470 ± 2.886 χ^2/NDF : 23.9/28

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8989.208+/-2.363 χ^2/NDF :163619.1/9

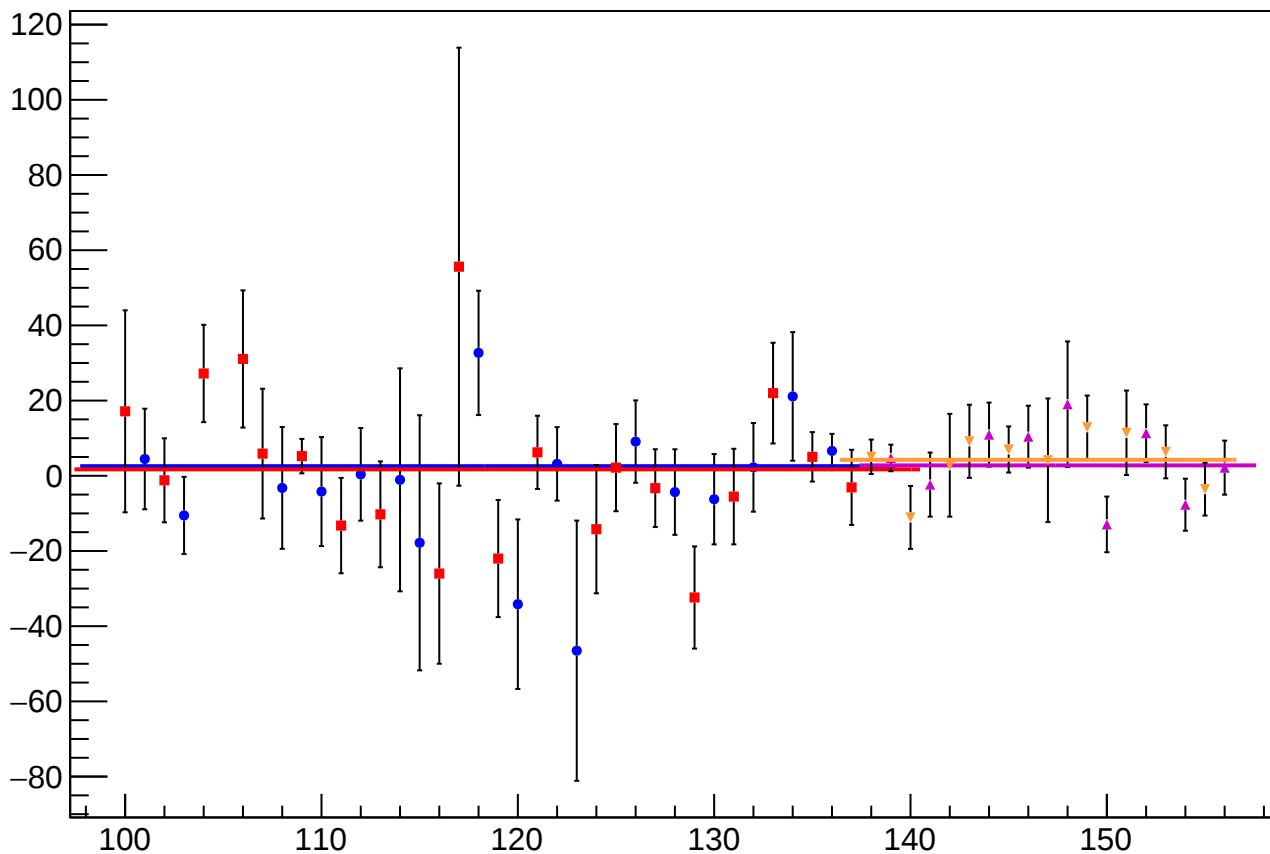
10181.344+/-2.011 χ^2/NDF : 2129082.8/26

Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

10521.509+/-2.040 χ^2/NDF : 2312018.8/28

Left In: 9131.826+/-2.396 χ^2/NDF :141633.7/8

diff_bpm1Y_mean vs Slug



Right In: 2.551+/-2.757 χ^2/NDF : 13.6/16

Left Out: 4.248+/-2.421 χ^2/NDF : 6.6/9

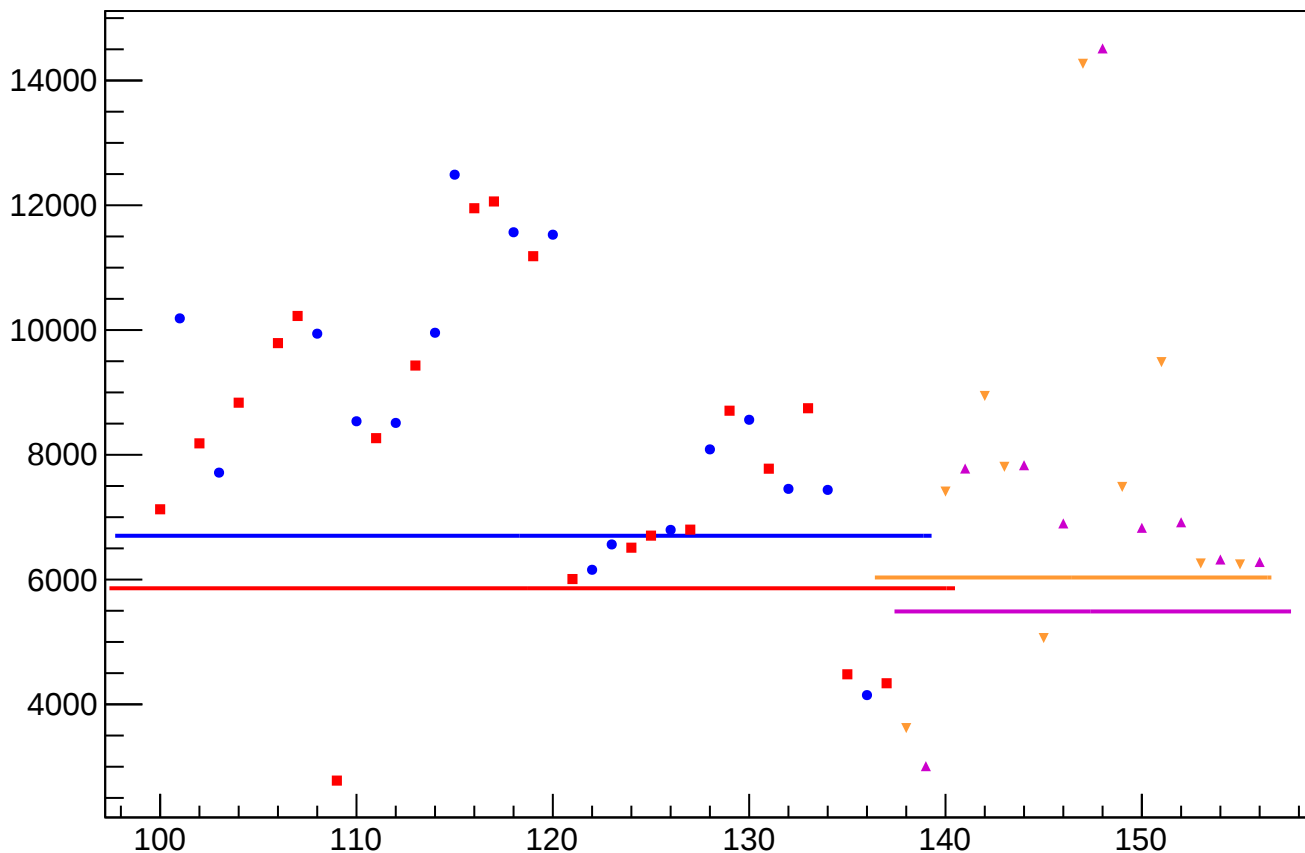
Right Out: 1.708+/-2.440 χ^2/NDF : 24.9/19

Left In: 2.766+/-2.228 χ^2/NDF : 11.4/8

3.509+/-1.819 χ^2/NDF : 20.5/26

2.285+/-1.645 χ^2/NDF : 36.4/28

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 6033.411+/-1.712 χ^2/NDF :1570393.9/9

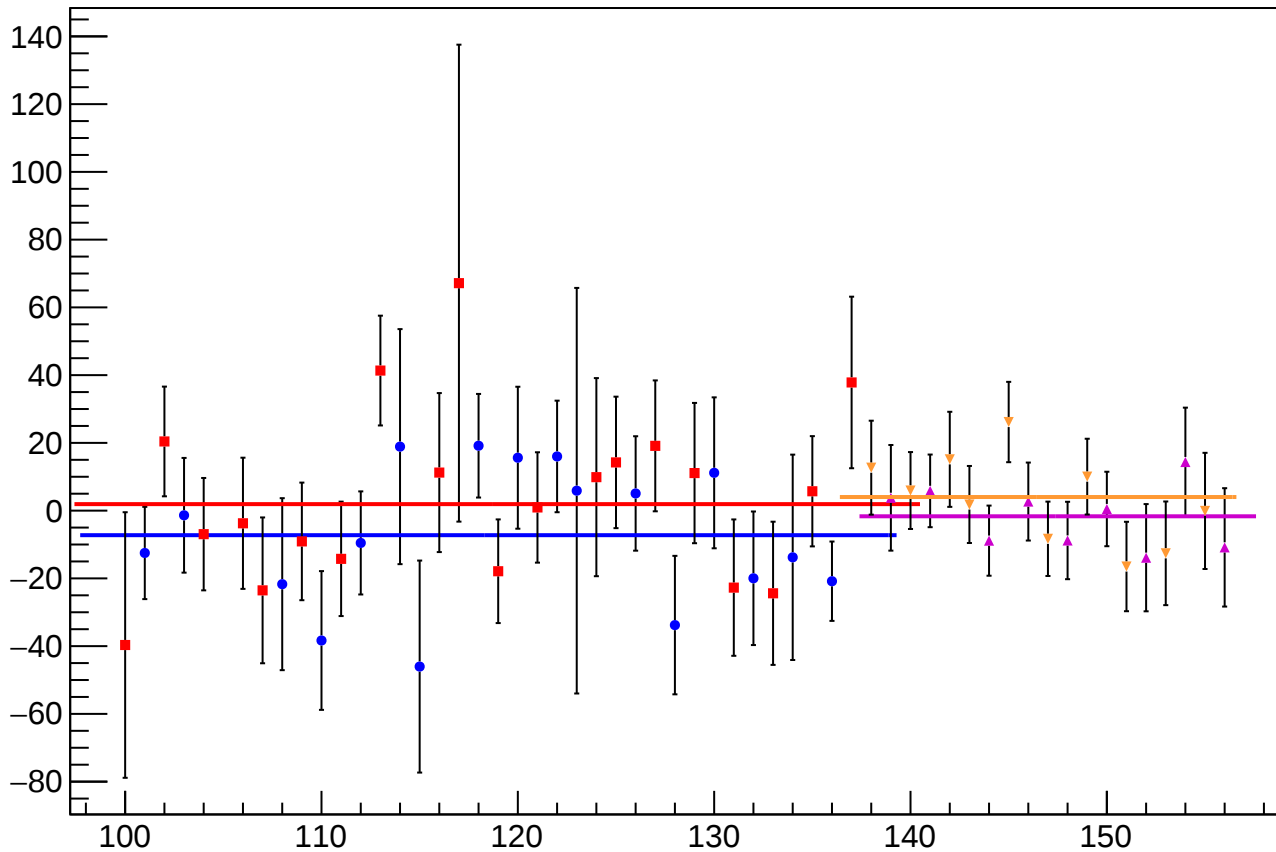
Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

Left In: 5489.040+/-1.575 χ^2/NDF :2111510.0/8

6324.644+/-1.286 χ^2/NDF : 3026812.6/26

5657.928+/-1.163 χ^2/NDF : 4437948.8/28

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: 4.019 ± 3.997 χ^2/NDF : 9.8/9

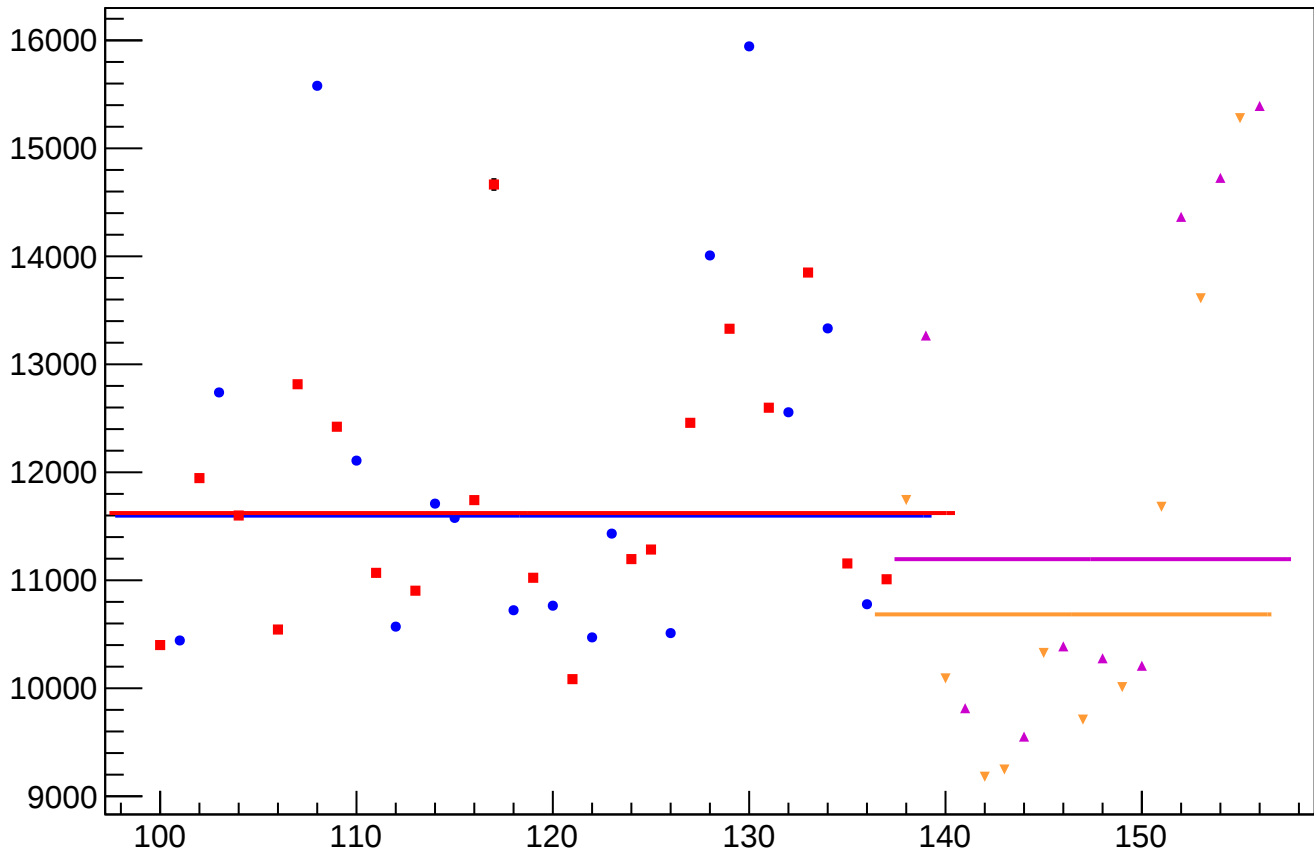
Right Out: 1.922 ± 4.365 χ^2/NDF : 20.7/19

Left In: -1.670 ± 4.197 χ^2/NDF : 3.5/8

-0.891 ± 3.002 χ^2/NDF : 29.2/26

0.056 ± 3.025 χ^2/NDF : 24.6/28

diff_bpm11X_rms vs Slug



Right In: 11598.751 ± 3.215 χ^2/NDF : 235423.8/16

Left Out: 10684.274 ± 2.826 χ^2/NDF : 325100.3/9

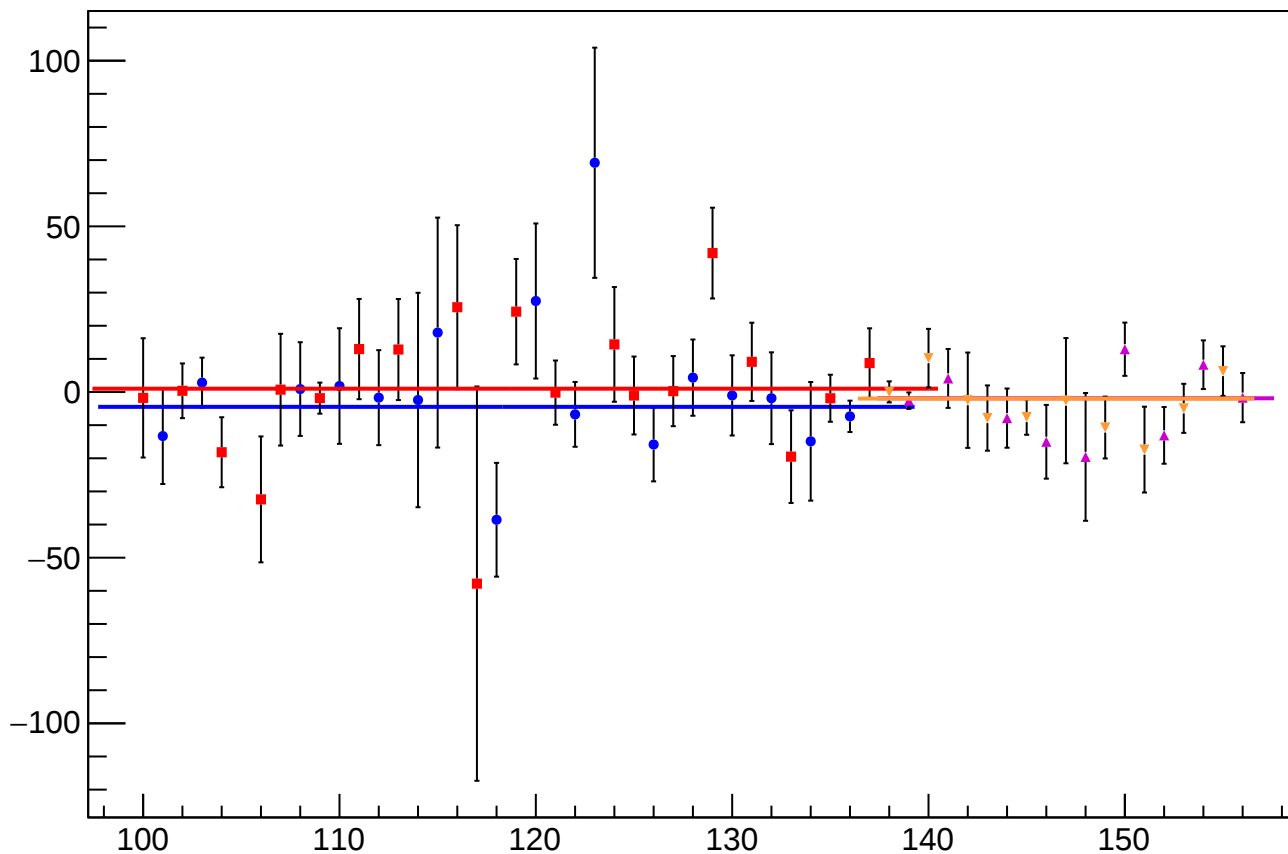
Right Out: 11622.681 ± 3.086 χ^2/NDF : 98197.0/19

Left In: 11195.572 ± 2.967 χ^2/NDF : 450178.6/8

11082.892 ± 2.123 χ^2/NDF : 606159.1/26

11400.745 ± 2.139 χ^2/NDF : 558327.5/28

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -1.980 ± 2.141 χ^2/NDF : 7.4/9

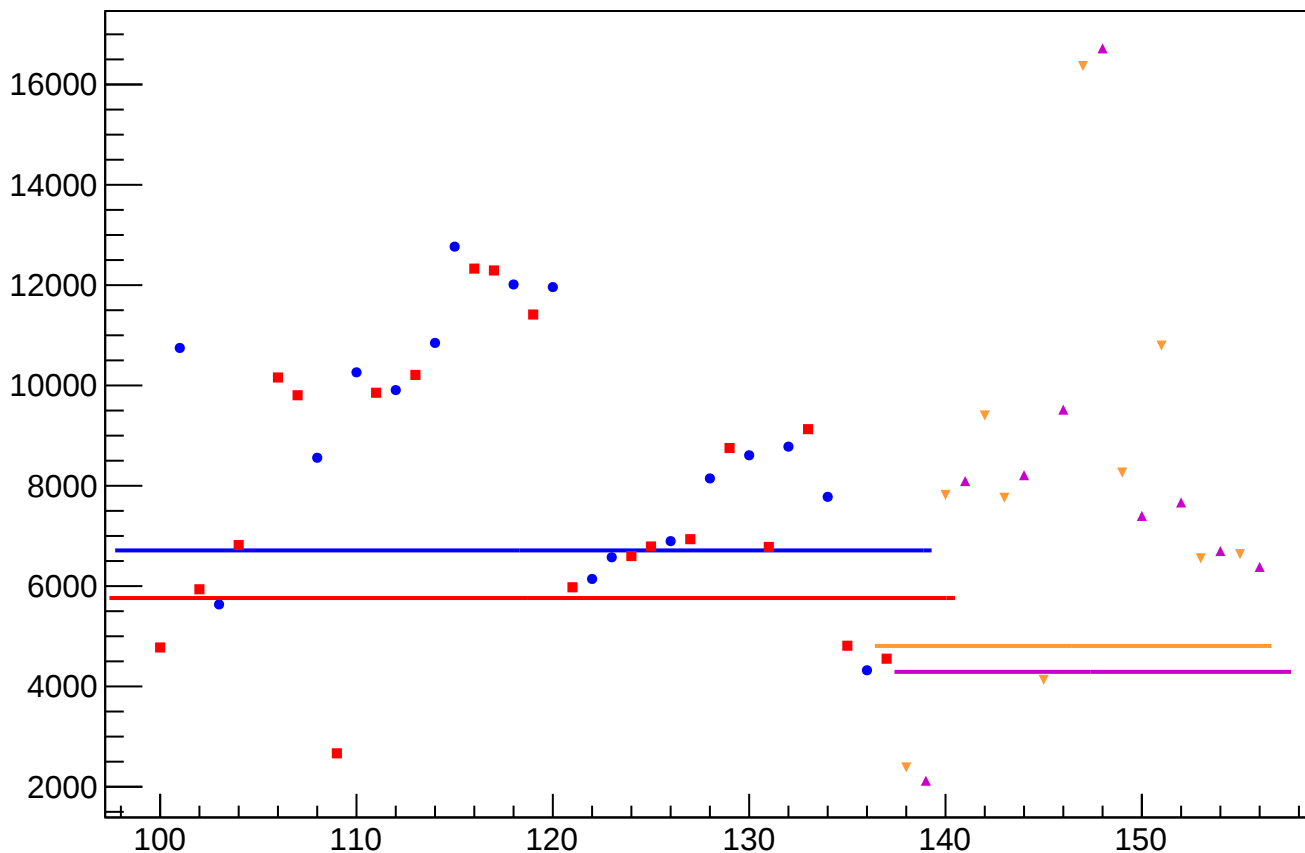
Right Out: 1.007 ± 2.427 χ^2/NDF : 25.0/19

Left In: -1.892 ± 1.950 χ^2/NDF : 10.2/8

-2.908 ± 1.696 χ^2/NDF : 22.8/26

-0.755 ± 1.520 χ^2/NDF : 36.1/28

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 4807.286+/-1.514 χ^2/NDF : 3491624.4/9

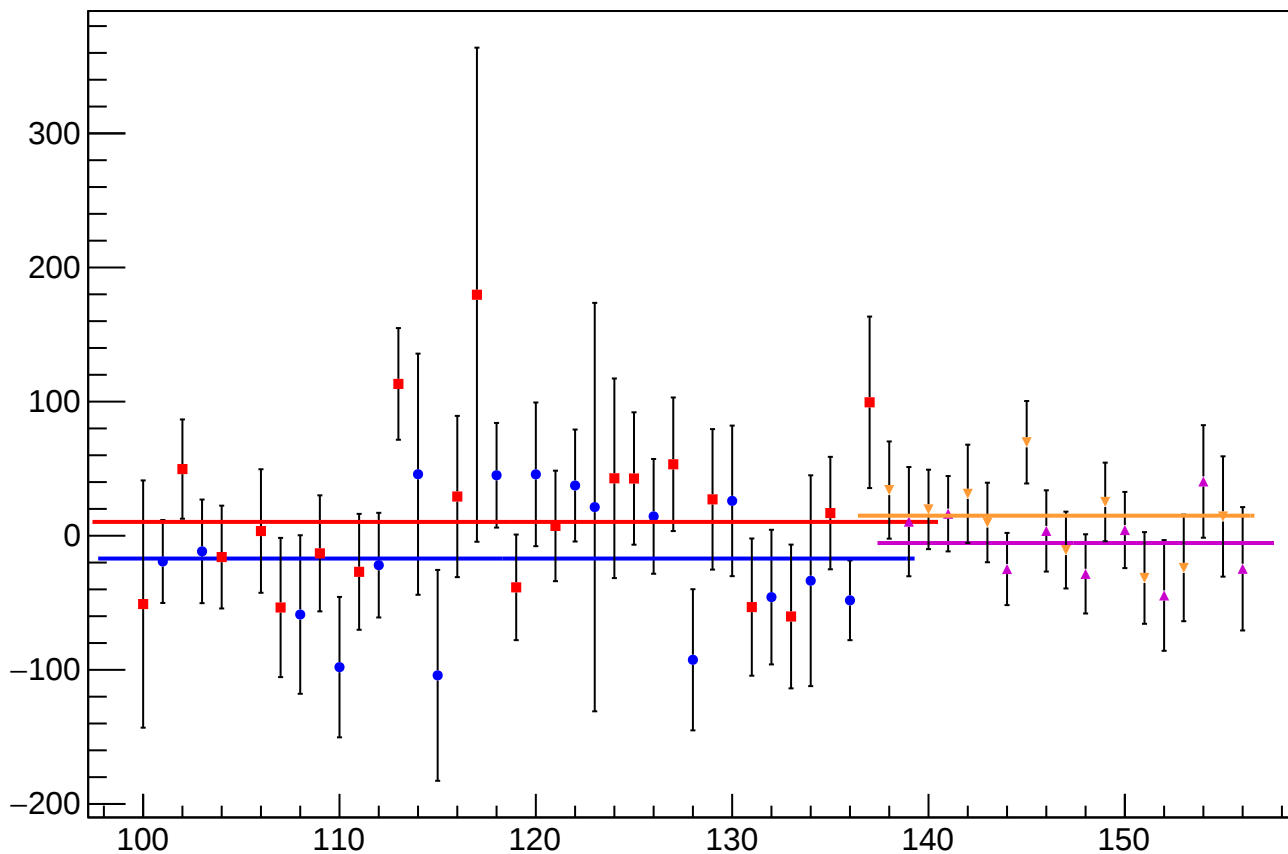
Right Out: 5762.387+/-1.716 χ^2/NDF : 2189239.7/19

Left In: 4290.460+/-1.379 χ^2/NDF : 4525630.4/8

5515.549+/-1.200 χ^2/NDF : 5527264.6/26

4868.028+/-1.075 χ^2/NDF : 7161870.8/28

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 14.960 ± 10.419 χ^2/NDF : 7.4/9

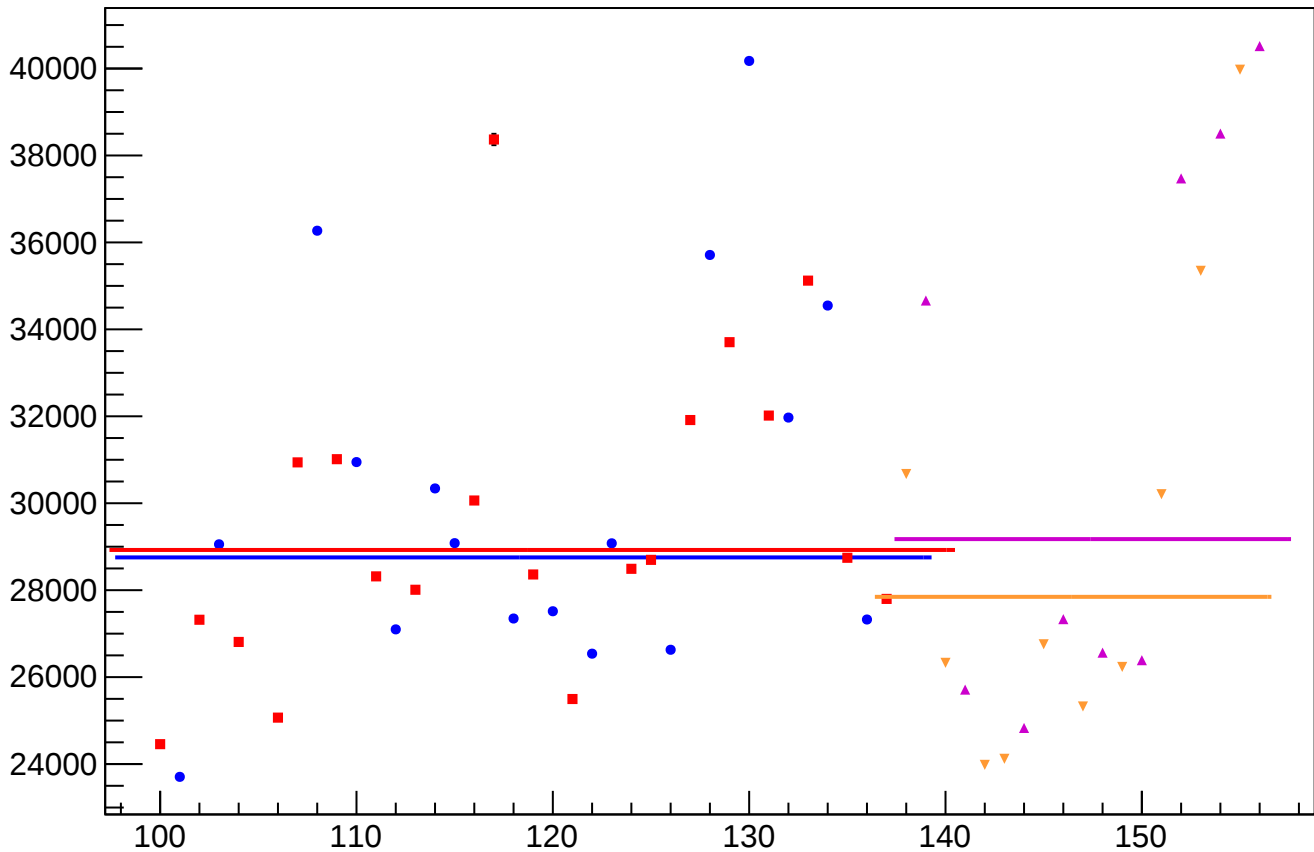
Right Out: 10.311 ± 10.872 χ^2/NDF : 19.9/19

Left In: -5.432 ± 10.941 χ^2/NDF : 4.4/8

0.251 ± 7.656 χ^2/NDF : 26.7/26

2.490 ± 7.712 χ^2/NDF : 25.3/28

diff_bpm12X_rms vs Slug



Right In: 28753.787 ± 7.981 $\chi^2/\text{NDF}: 249215.1/16$

Left Out: 27846.800 ± 7.368 $\chi^2/\text{NDF}: 322260.8/9$

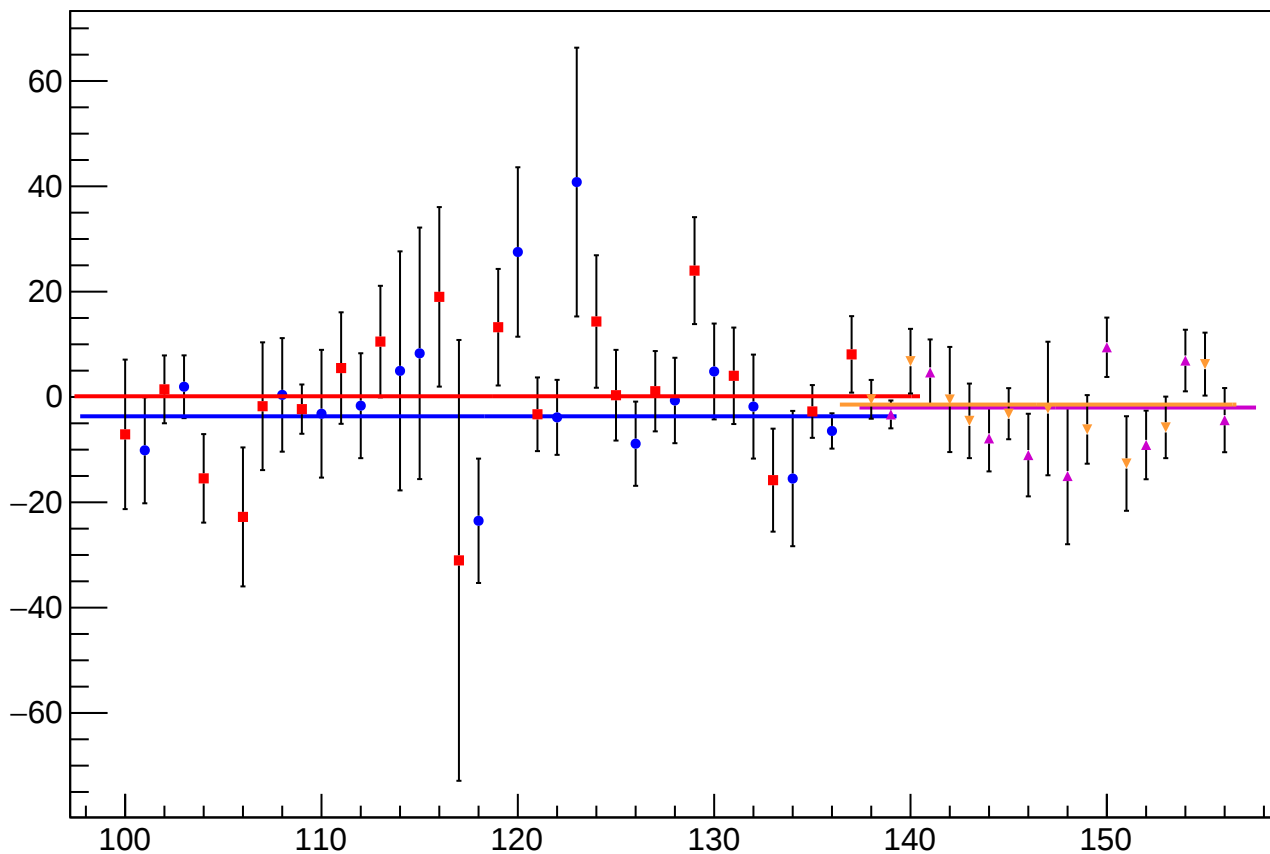
Right Out: 28925.160 ± 7.687 $\chi^2/\text{NDF}: 116514.7/19$

Left In: 29174.902 ± 7.736 $\chi^2/\text{NDF}: 462377.9/8$

28264.094 ± 5.414 $\chi^2/\text{NDF}: 578448.4/26$

29049.240 ± 5.453 $\chi^2/\text{NDF}: 579417.0/28$

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -1.441 ± 1.917 χ^2/NDF : 6.5/9

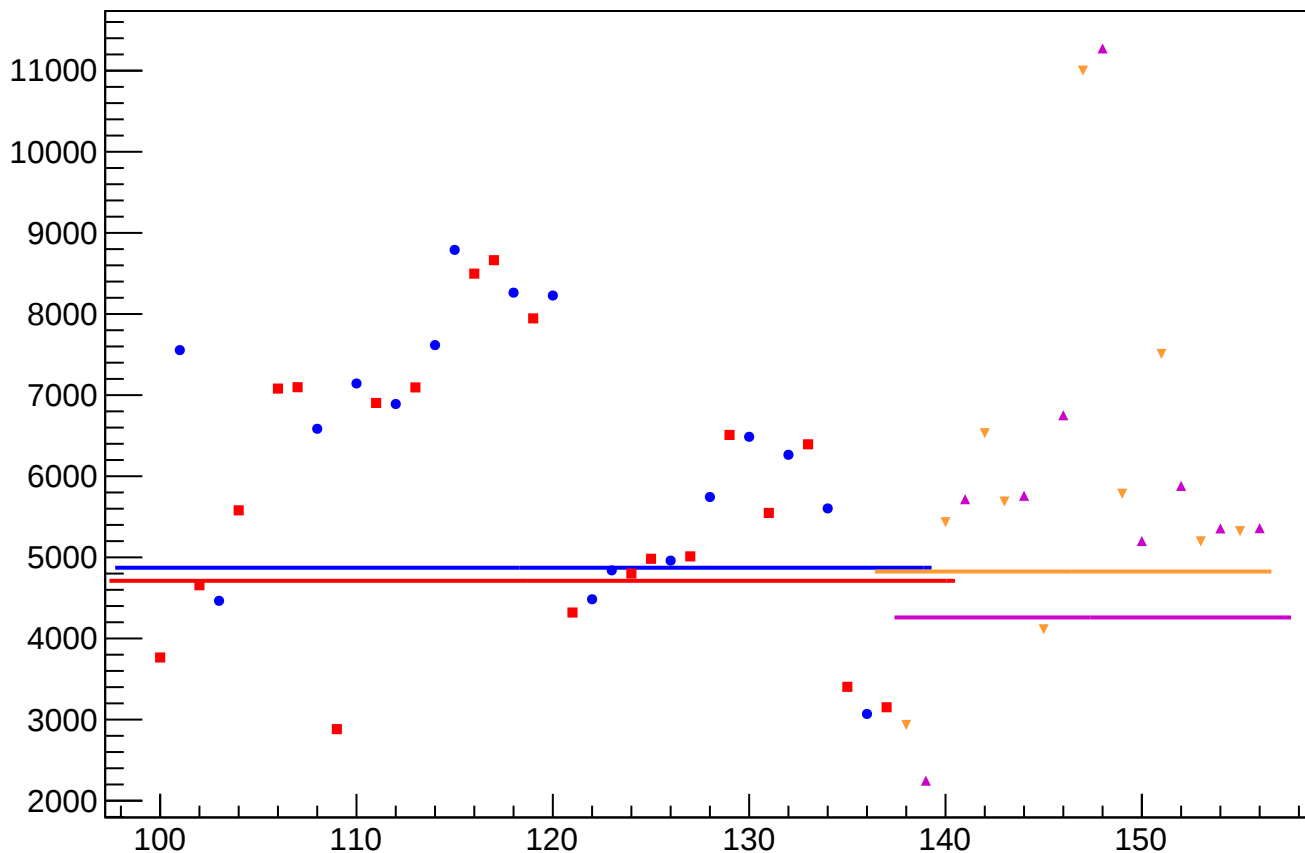
Right Out: 0.135 ± 1.891 χ^2/NDF : 22.9/19

Left In: -2.005 ± 1.748 χ^2/NDF : 12.4/8

-2.502 ± 1.387 χ^2/NDF : 21.6/26

-1.019 ± 1.284 χ^2/NDF : 35.9/28

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4825.328+/-1.355 χ^2/NDF :1395971.2/9

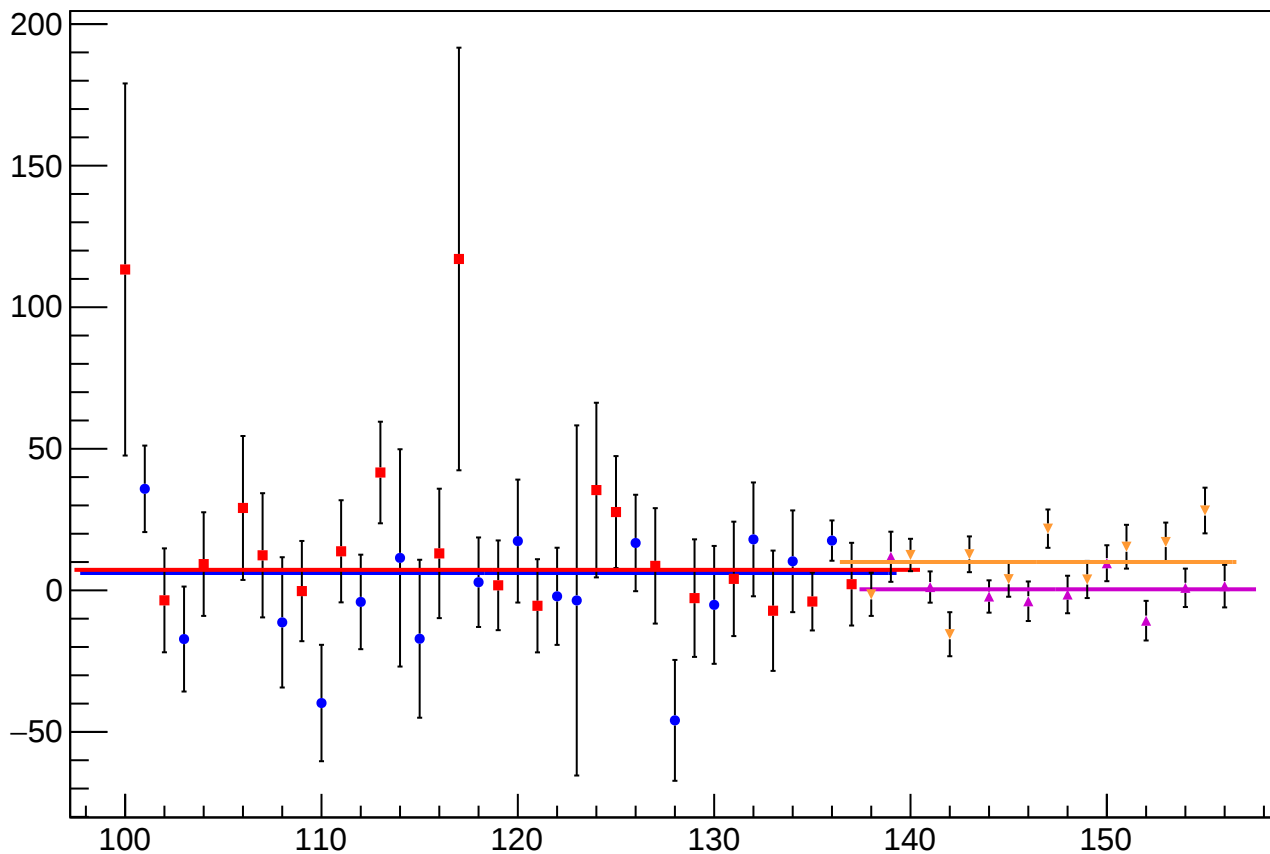
Right Out: 4711.077+/-1.337 χ^2/NDF : 1330595.4/19

Left In: 4259.116+/-1.236 χ^2/NDF :2483068.5/8

4847.609+/-0.981 χ^2/NDF : 2801791.7/26

4467.442+/-0.908 χ^2/NDF : 3875267.6/28

diff_bpm16X_mean vs Slug



Right In: 6.133 ± 4.080 $\chi^2/\text{NDF}: 22.2/16$

Left Out: 10.019 ± 2.163 $\chi^2/\text{NDF}: 24.9/9$

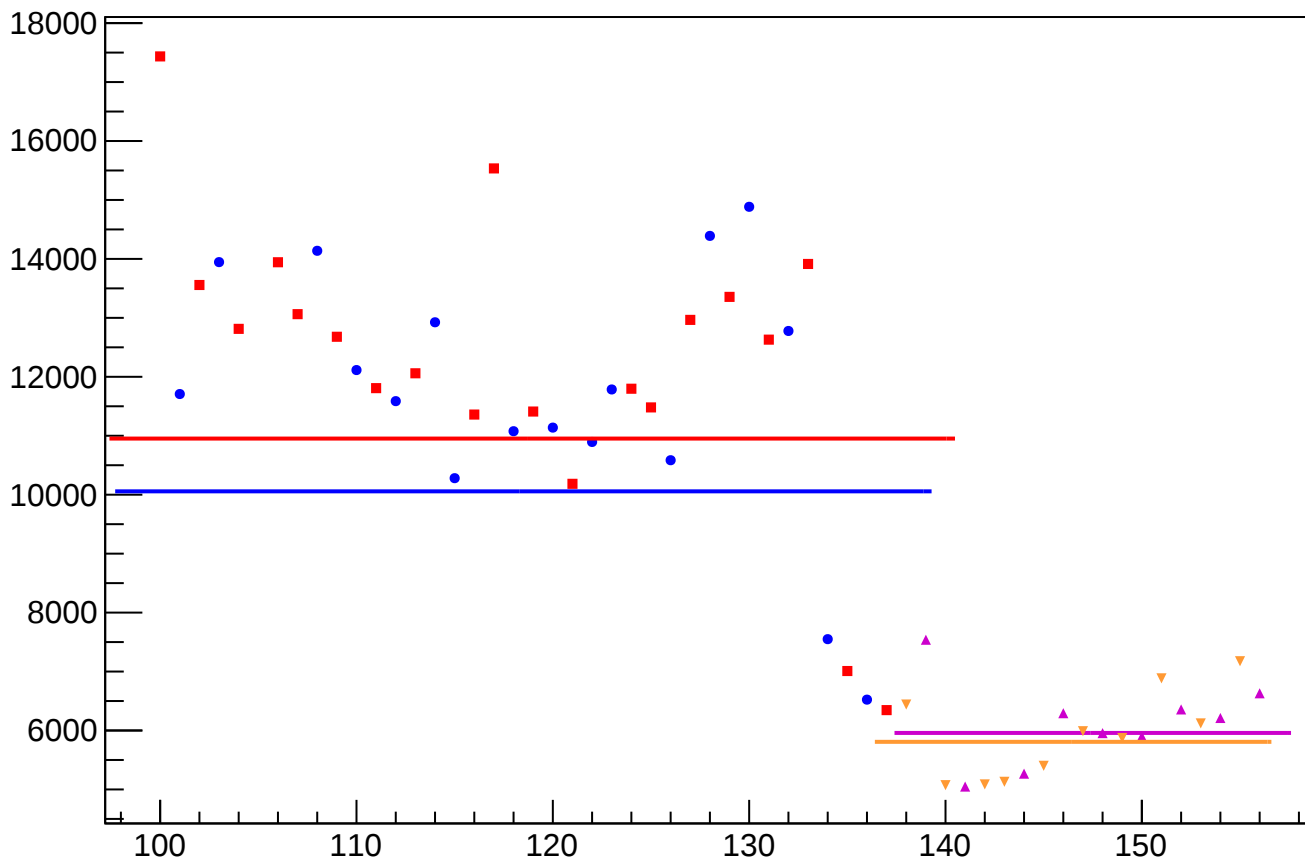
Right Out: 7.243 ± 4.218 $\chi^2/\text{NDF}: 14.6/19$

Left In: 0.376 ± 2.213 $\chi^2/\text{NDF}: 7.0/8$

9.167 ± 1.911 $\chi^2/\text{NDF}: 47.8/26$

1.858 ± 1.960 $\chi^2/\text{NDF}: 23.7/28$

diff_bpm16X_rms vs Slug



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5807.699 $\pm$ 1.529 χ^2 /NDF:197685.9/9

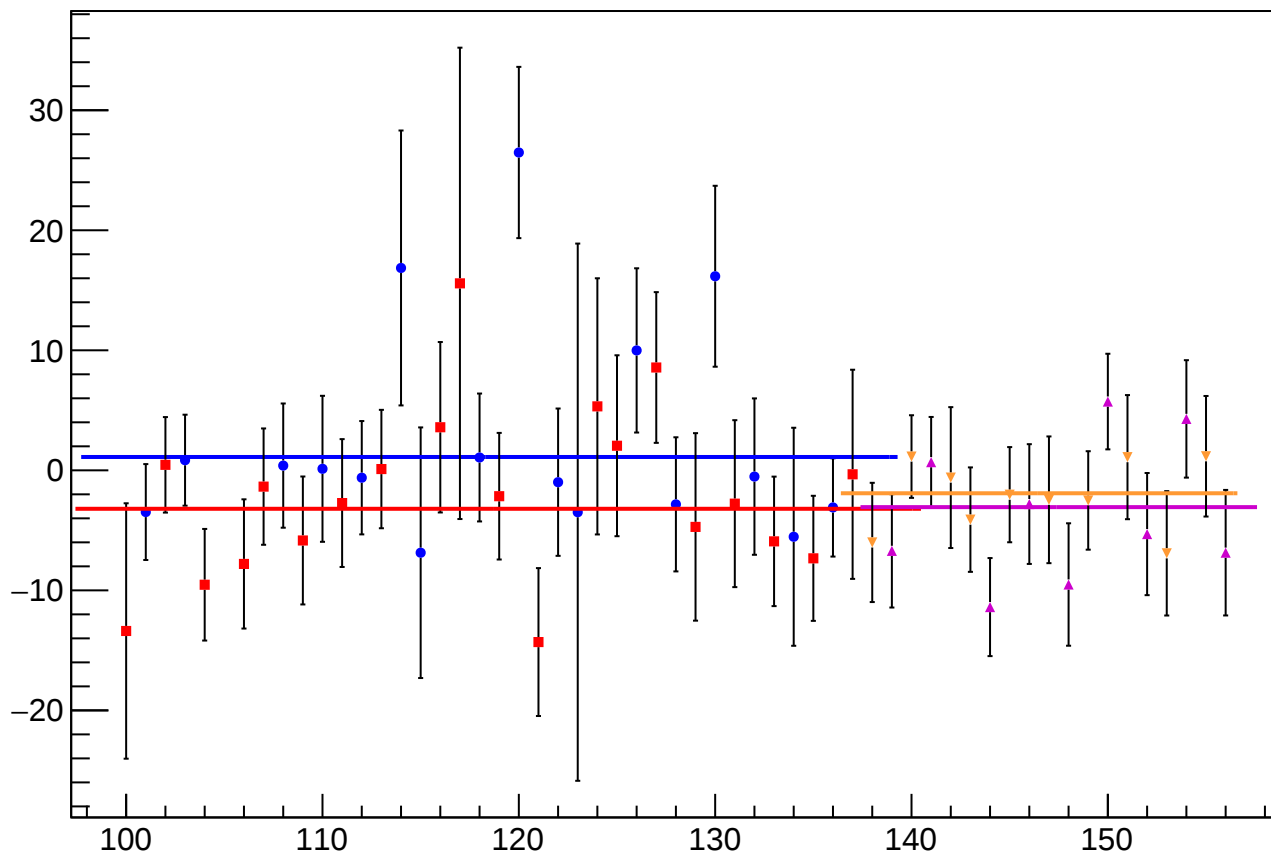
Right Out: 10952.255 $\pm$ 2.982 χ^2 /NDF: 770474.3/19

Left In: 5958.655 $\pm$ 1.565 χ^2 /NDF:177428.6/8

6739.739 $\pm$ 1.351 χ^2 /NDF: 2893970.1/26

7036.768 $\pm$ 1.386 χ^2 /NDF: 3146207.5/28

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -1.911 ± 1.443 χ^2/NDF : 3.5/9

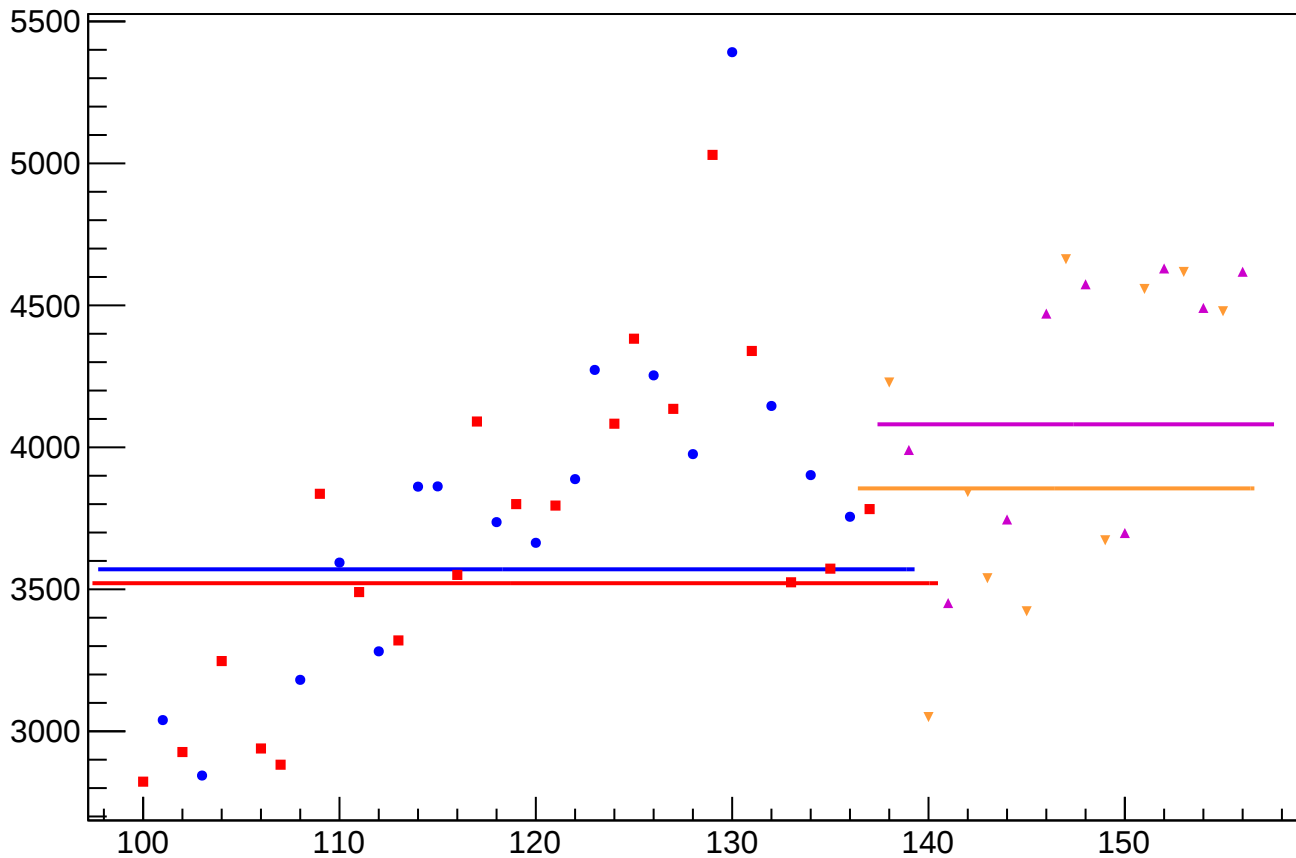
Right Out: -3.204 ± 1.331 χ^2/NDF : 16.0/19

Left In: -3.066 ± 1.518 χ^2/NDF : 15.2/8

-0.357 ± 1.006 χ^2/NDF : 30.3/26

-3.144 ± 1.001 χ^2/NDF : 31.2/28

diff_bpm16Y_rms vs Slug



Right In: 3570.481 ± 0.992 $\chi^2/\text{NDF}: 309699.2/16$

Left Out: 3855.406 ± 1.021 $\chi^2/\text{NDF}: 316990.8/9$

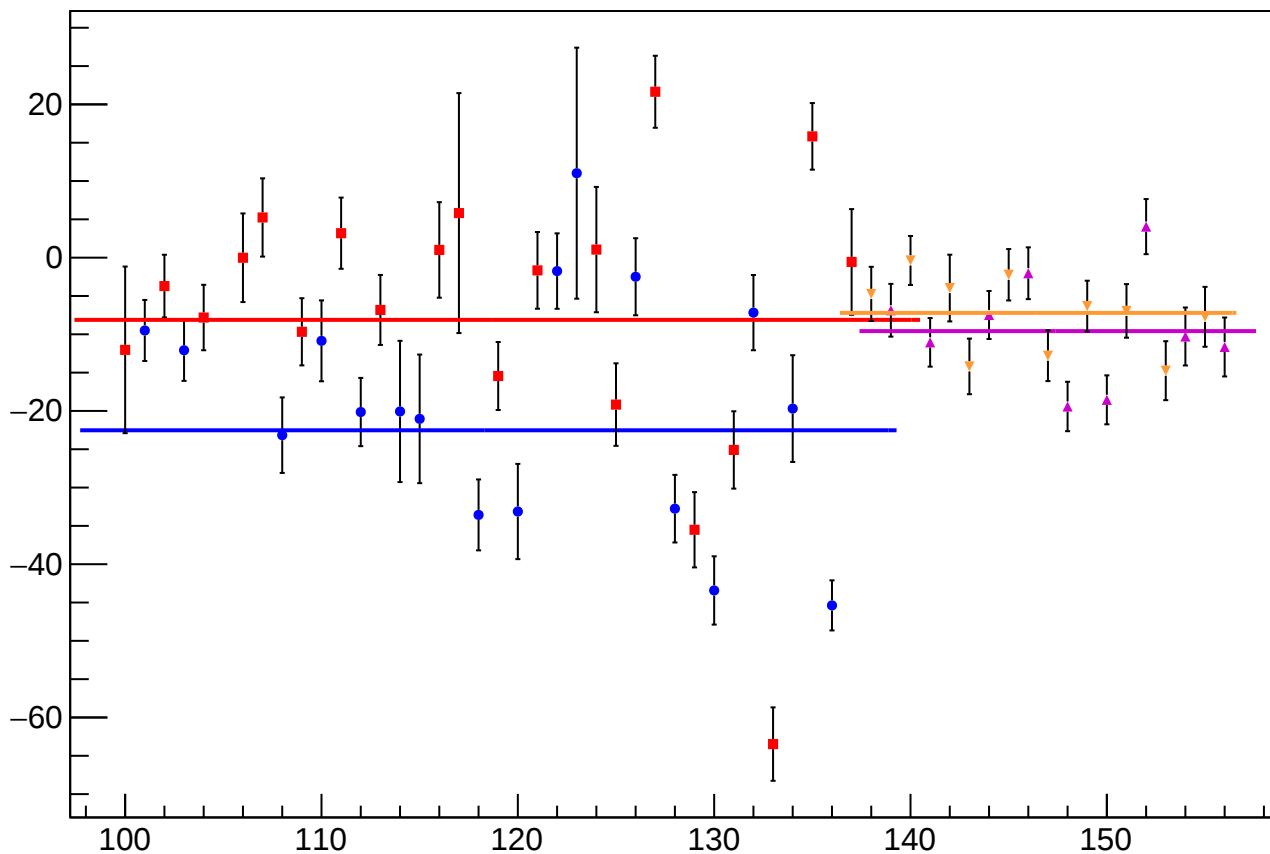
Right Out: 3521.513 ± 0.941 $\chi^2/\text{NDF}: 295082.3/19$

Left In: 4081.084 ± 1.073 $\chi^2/\text{NDF}: 177862.2/8$

3708.898 ± 0.711 $\chi^2/\text{NDF}: 666771.3/26$

3764.613 ± 0.708 $\chi^2/\text{NDF}: 626622.7/28$

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 $\chi^2/\text{NDF}: 155.5/16$

Left Out: -7.205 ± 1.123 $\chi^2/\text{NDF}: 18.3/9$

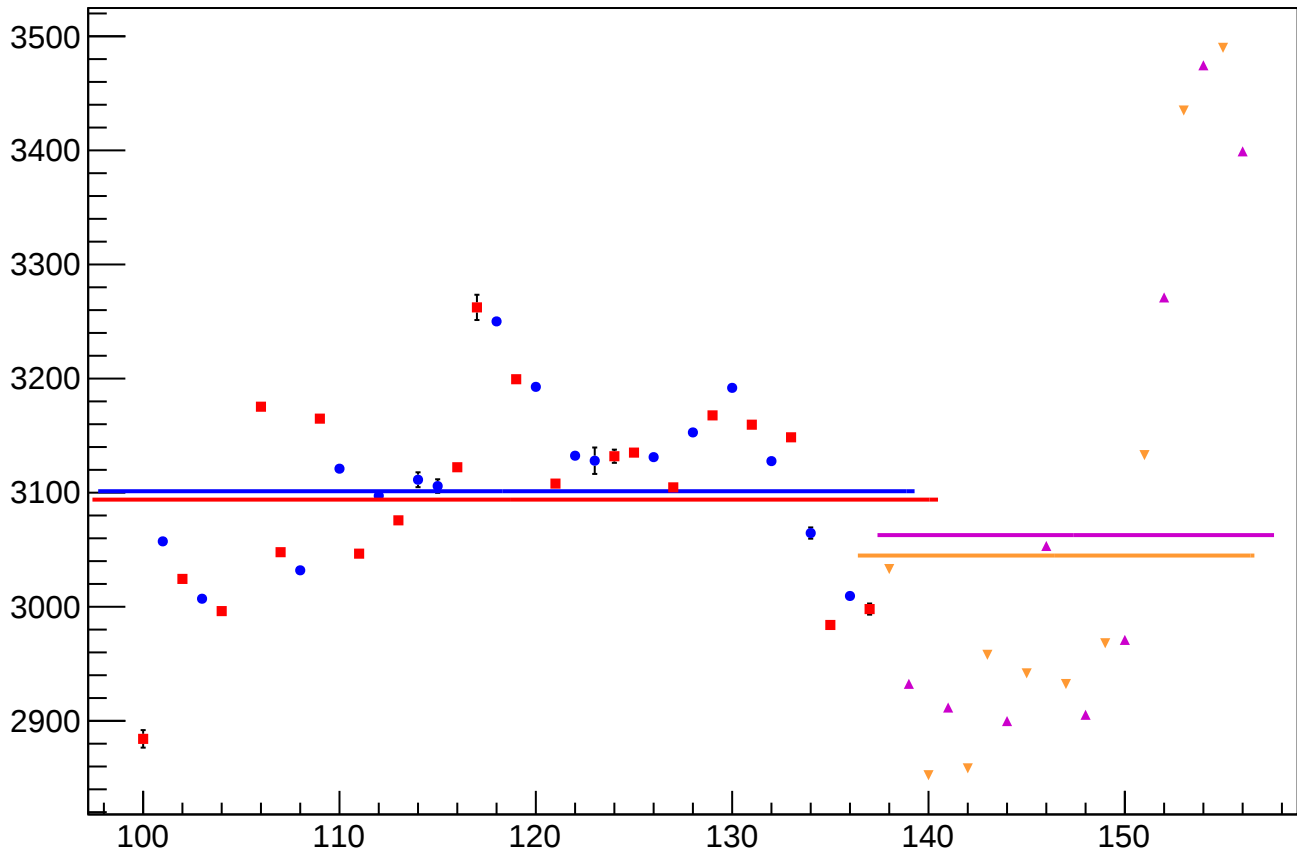
Right Out: -8.116 ± 1.154 $\chi^2/\text{NDF}: 276.6/19$

Left In: -9.582 ± 1.130 $\chi^2/\text{NDF}: 38.2/8$

-14.356 ± 0.820 $\chi^2/\text{NDF}: 260.7/26$

-8.864 ± 0.807 $\chi^2/\text{NDF}: 315.7/28$

diff_bpm0l01X_rms vs Slug



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 3044.895+/-0.794 χ^2/NDF : 65148.1/9

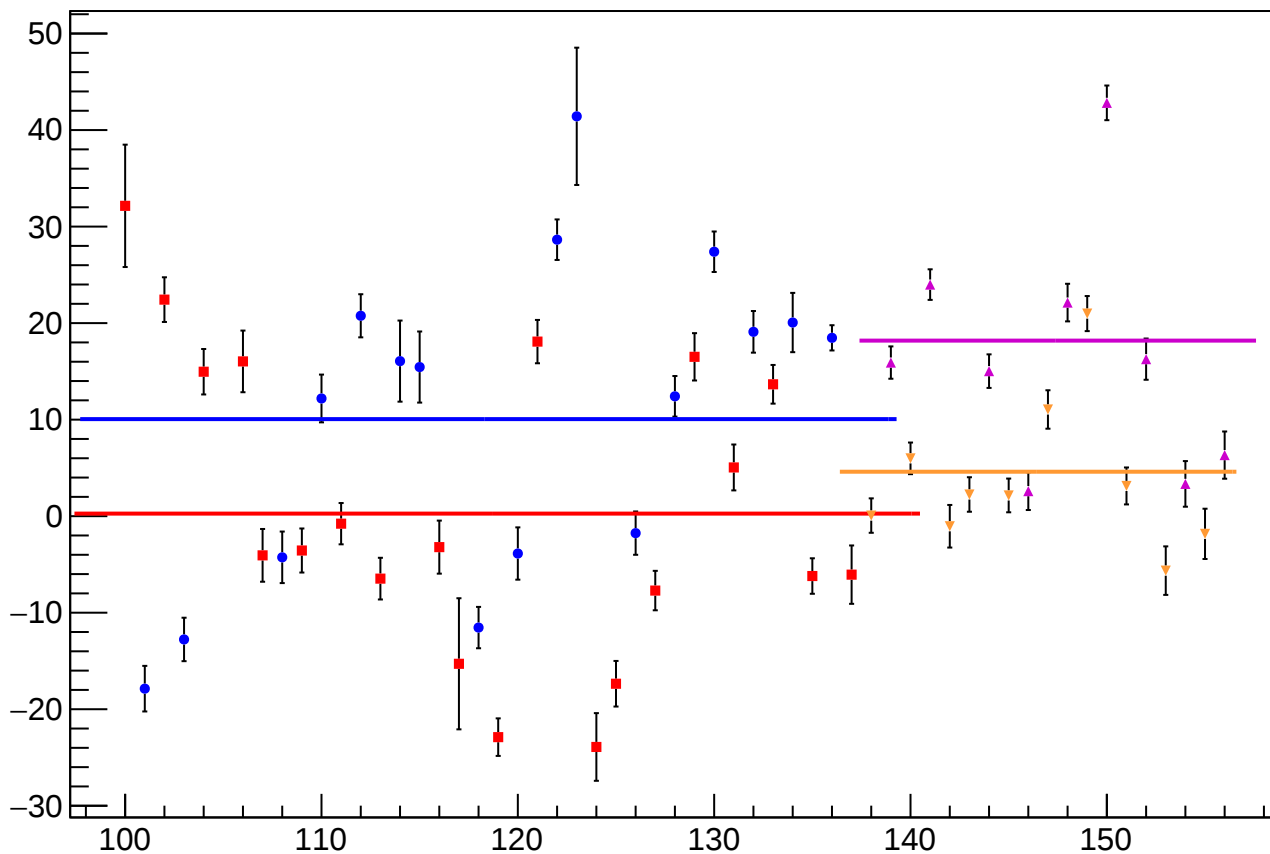
Right Out: 3093.913+/-0.816 χ^2/NDF : 7998.9/19

Left In: 3062.807+/-0.799 χ^2/NDF : 65003.4/8

3071.208+/-0.580 χ^2/NDF : 74733.6/26

3078.041+/-0.571 χ^2/NDF : 73744.1/28

diff_bpm0l01Y_mean vs Slug



Right In: 10.055+/-0.562 χ^2/NDF : 692.2/16

Left Out: 4.605+/-0.612 χ^2/NDF : 132.6/9

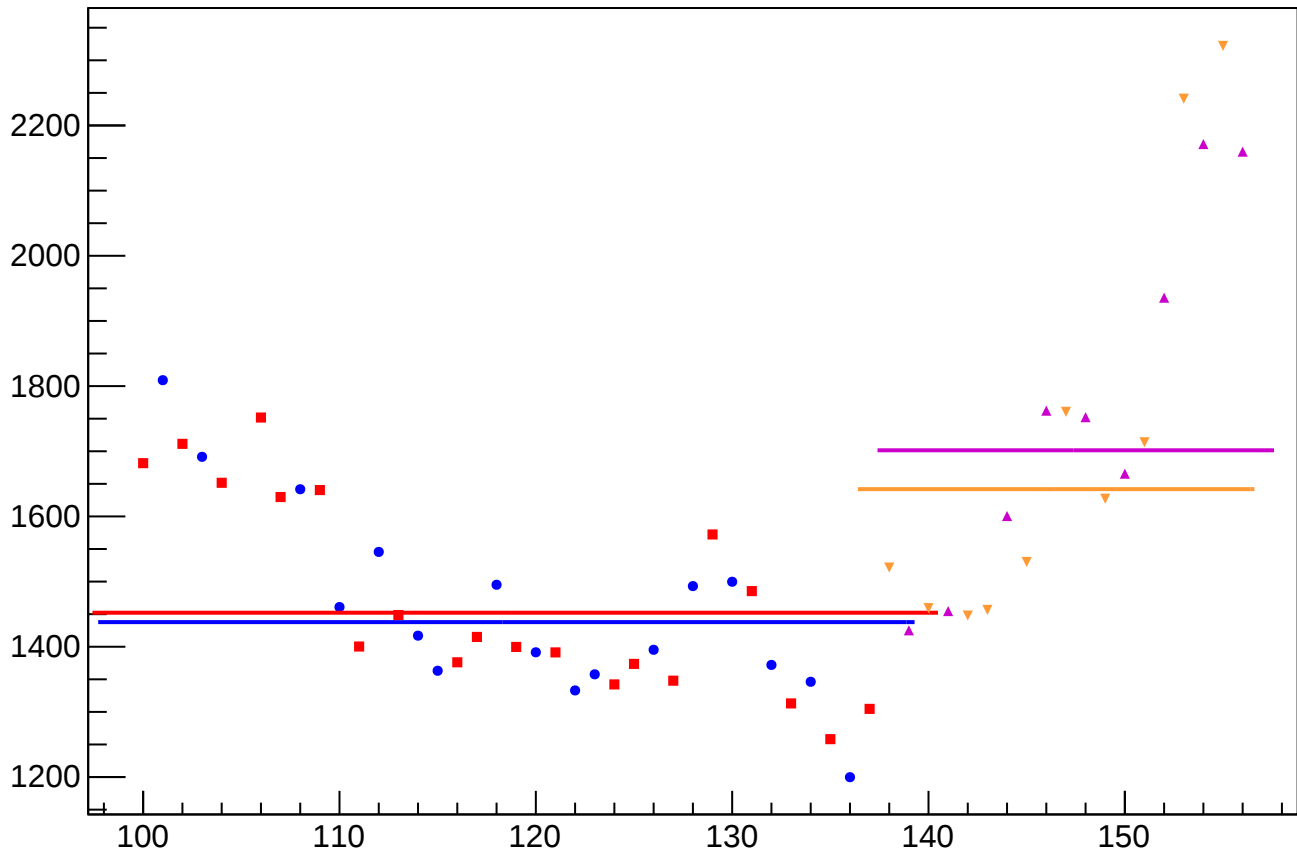
Right Out: 0.266+/-0.545 χ^2/NDF : 635.1/19

Left In: 18.188+/-0.634 χ^2/NDF : 338.2/8

7.565+/-0.414 χ^2/NDF : 867.9/26

7.883+/-0.413 χ^2/NDF : 1432.4/28

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776+/-0.397 χ^2/NDF : 173216.2/16

Left Out: 1641.869+/-0.433 χ^2/NDF : 339337.1/9

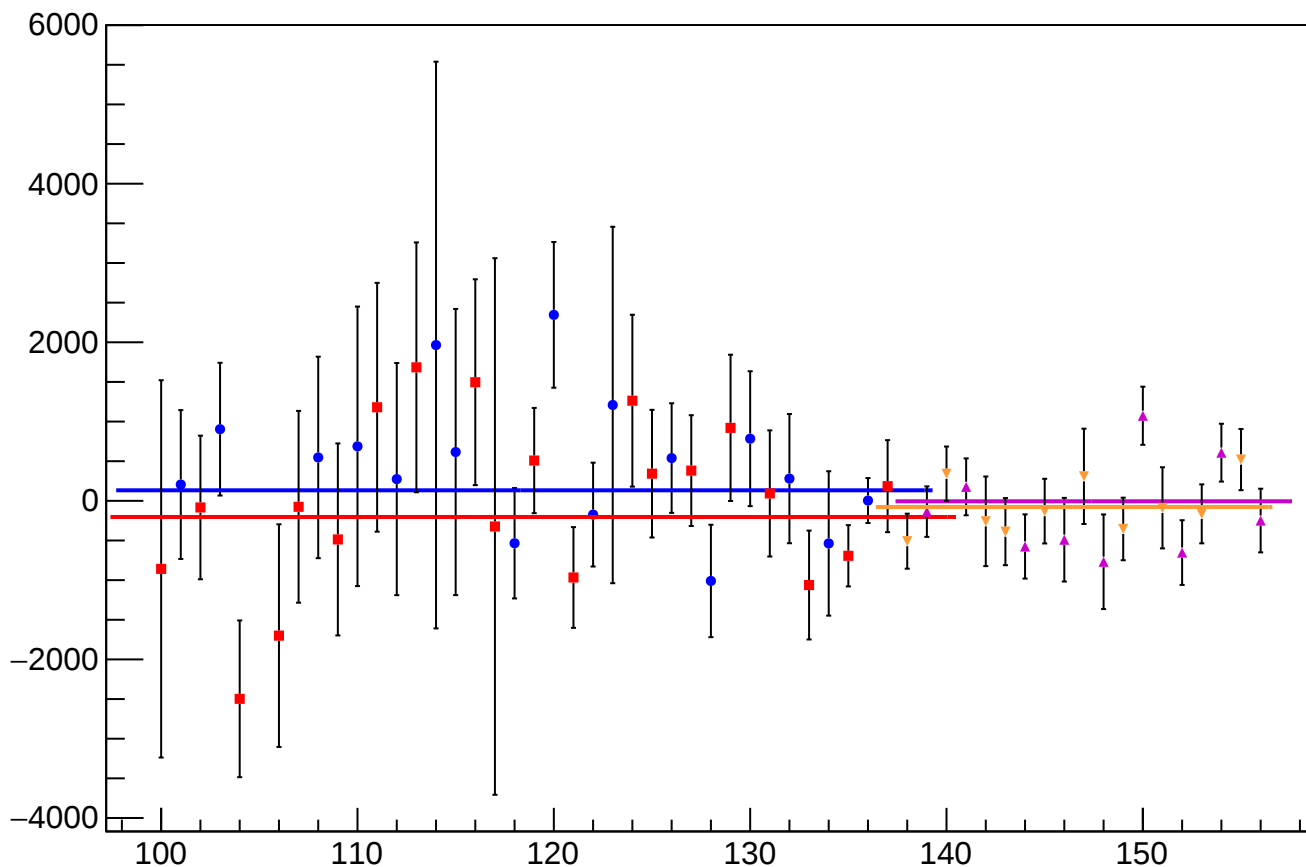
Right Out: 1452.227+/-0.386 χ^2/NDF : 138666.1/19

Left In: 1701.484+/-0.448 χ^2/NDF : 287087.4/8

1531.024+/-0.293 χ^2/NDF : 633215.3/26

1558.163+/-0.292 χ^2/NDF : 603380.8/28

asym_sam1_mean vs Slug



Right In: 132.921+/-180.271 χ^2/NDF : 12.9/16

Left Out: -77.490+/-130.766 χ^2/NDF : 7.1/9

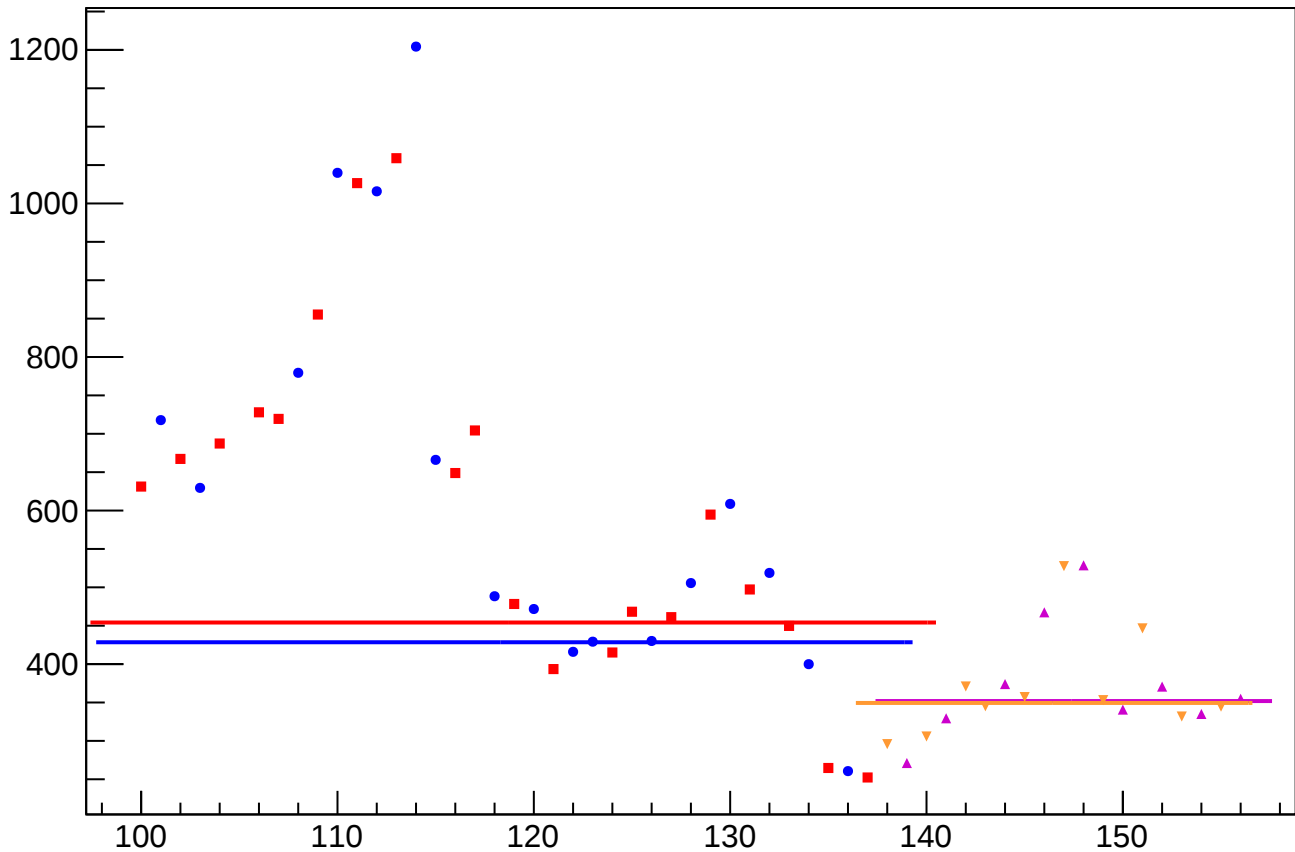
Right Out: -203.418+/-184.080 χ^2/NDF : 21.4/19

Left In: -5.298+/-132.130 χ^2/NDF : 19.2/8

-4.946+/-105.850 χ^2/NDF : 20.8/26

-72.665+/-107.340 χ^2/NDF : 41.4/28

asym_sam1_rms vs Slug



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 349.416 $\pm$ 0.092 χ^2 /NDF:336913.6/9

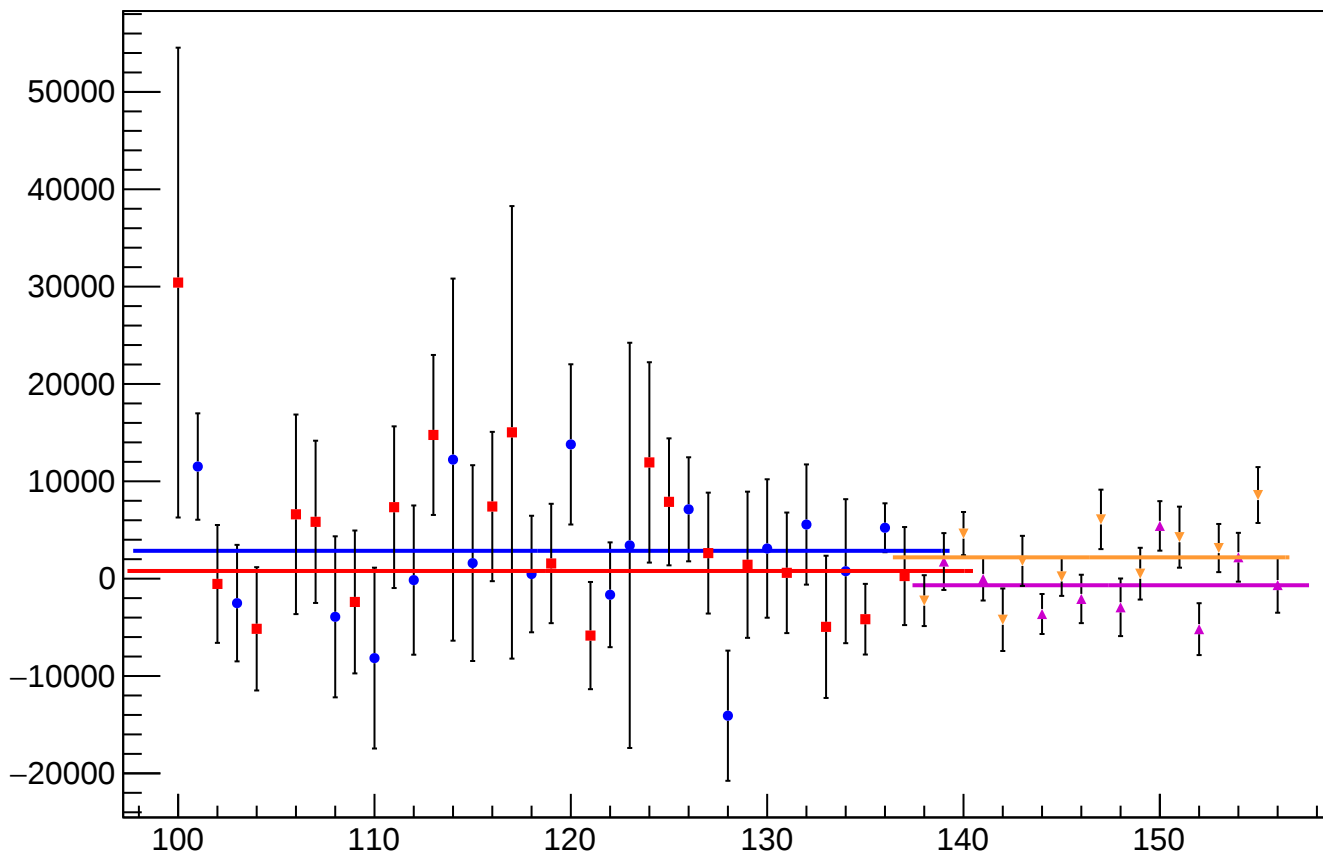
376.668 $\pm$ 0.075 χ^2 /NDF: 2600313.9/26

Right Out: 454.177 $\pm$ 0.130 χ^2 /NDF: 2040775.1/19

386.658 $\pm$ 0.076 χ^2 /NDF: 2872620.8/28

Left In: 351.871 $\pm$ 0.093 χ^2 /NDF:424134.8/8

asym_sam2_mean vs Slug



Right In: 2859.622+/-1447.884 χ^2/NDF : 16.7/16

Left Out: 2189.849+/-821.214 χ^2/NDF : 16.7/9

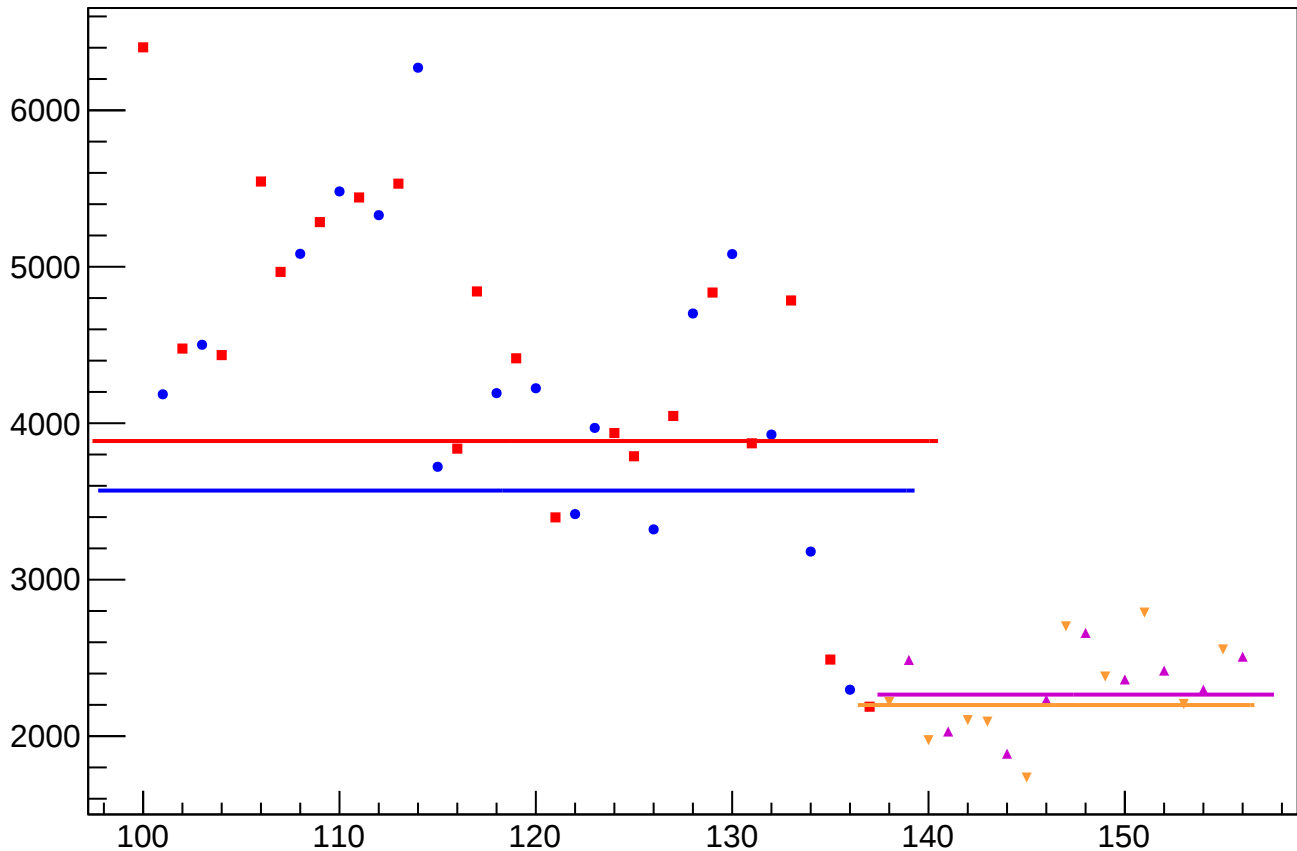
Right Out: 789.608+/-1506.053 χ^2/NDF : 14.4/19

Left In: -677.223+/-841.396 χ^2/NDF : 13.7/8

2352.869+/-714.316 χ^2/NDF : 33.5/26

-328.302+/-734.537 χ^2/NDF : 28.8/28

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2198.777+/-0.581 χ^2/NDF : 298706.7/9

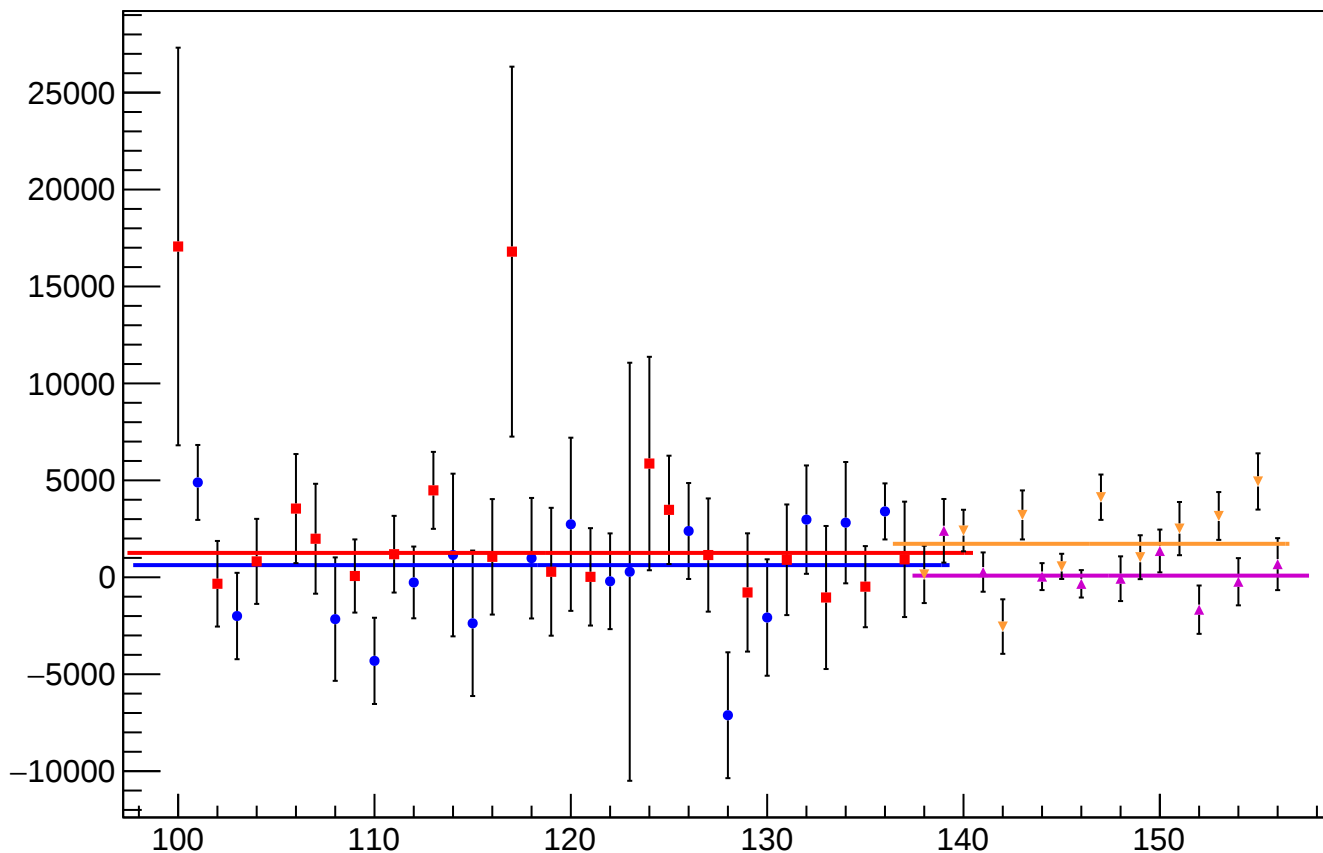
Right Out: 3886.199+/-1.065 χ^2/NDF : 986485.7/19

Left In: 2265.496+/-0.595 χ^2/NDF : 162093.1/8

2532.438+/-0.505 χ^2/NDF : 2743122.2/26

2651.019+/-0.519 χ^2/NDF : 2913736.0/28

asym_sam3_mean vs Slug



Right In: 627.655+/-620.929 χ^2/NDF : 25.1/16

Left Out: 1726.864+/-353.603 χ^2/NDF : 26.5/9

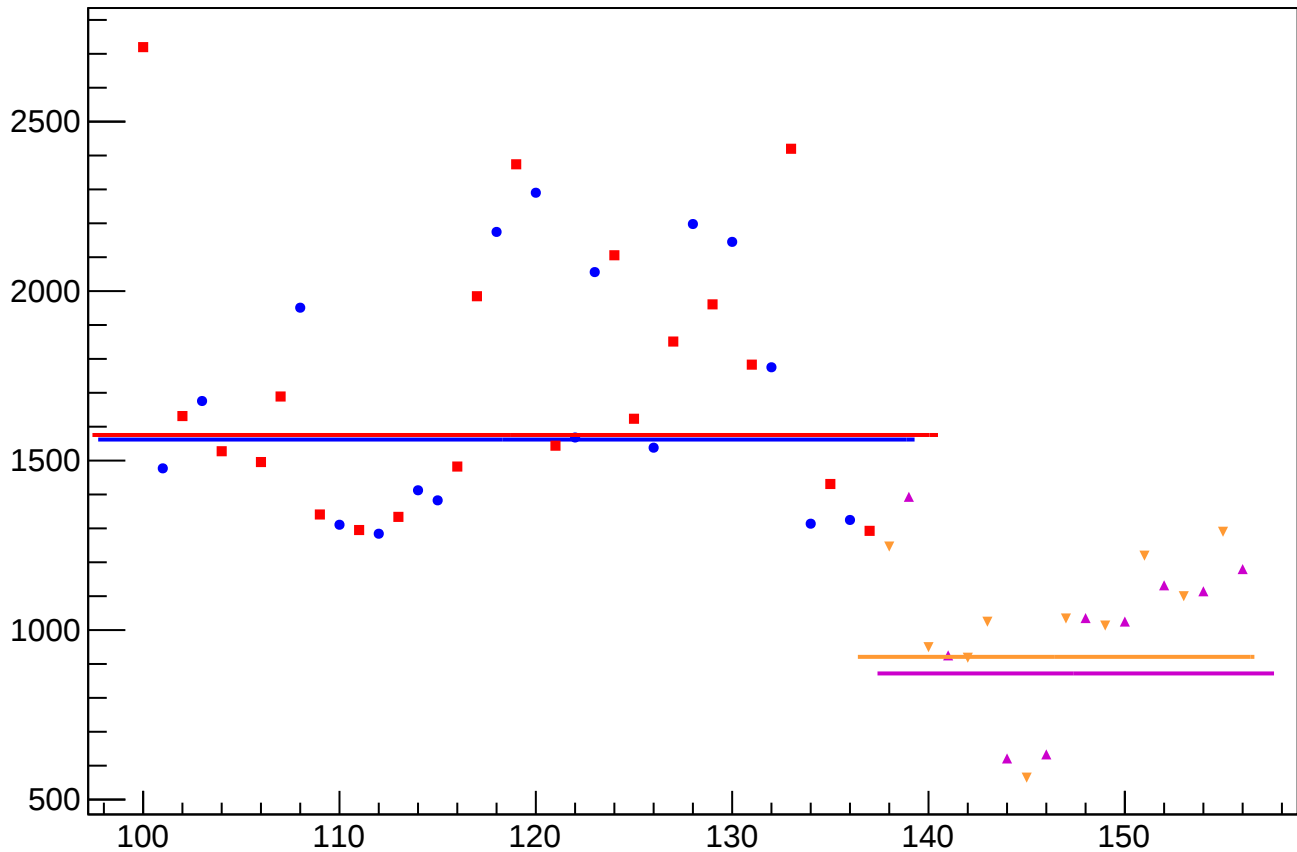
Right Out: 1257.467+/-601.857 χ^2/NDF : 12.6/19

Left In: 85.594+/-335.960 χ^2/NDF : 6.0/8

1457.685+/-307.272 χ^2/NDF : 54.0/26

363.995+/-293.351 χ^2/NDF : 21.4/28

asym_sam3_rms vs Slug



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 920.997 $\pm$ 0.250 χ^2 /NDF: 1010454.3/9

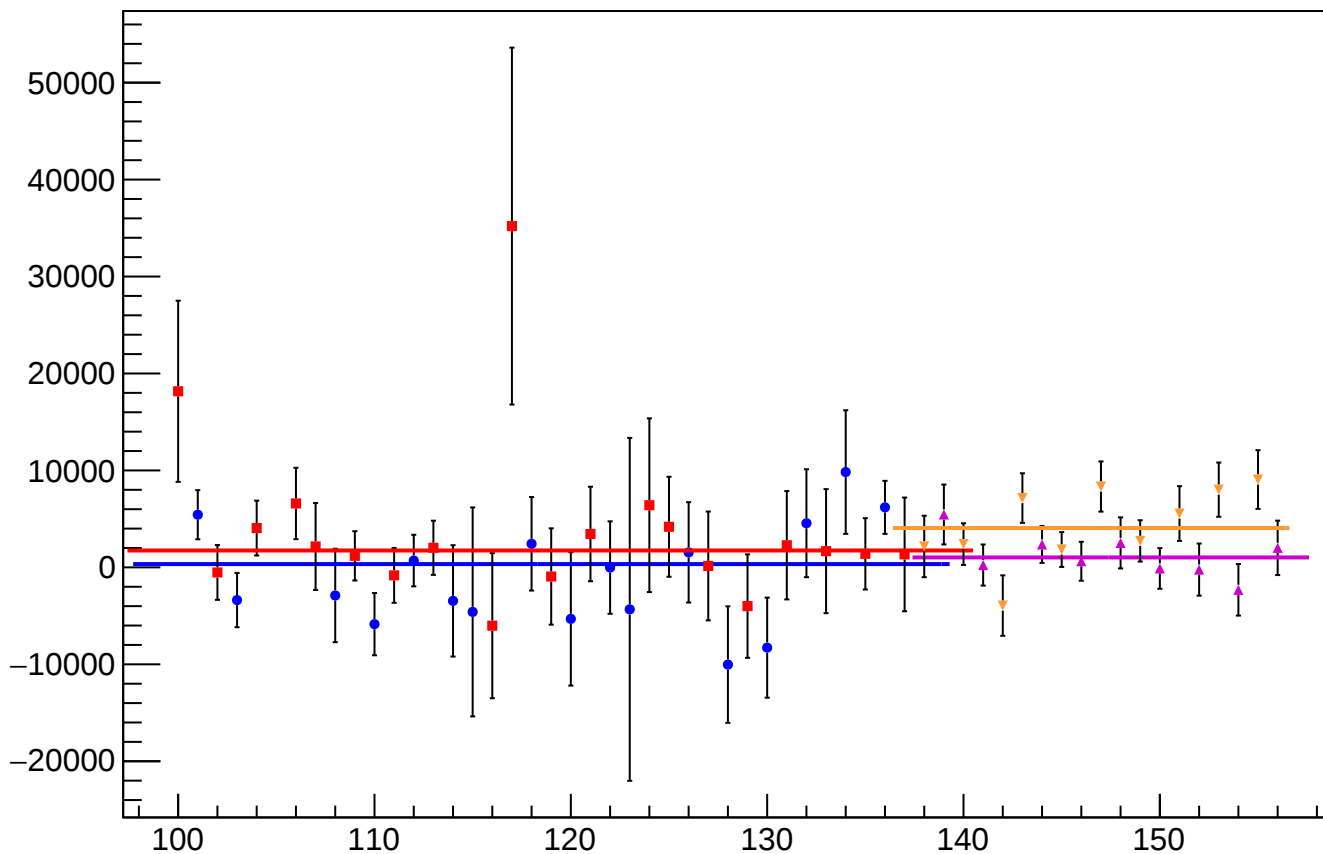
Right Out: 1575.541 $\pm$ 0.426 χ^2 /NDF: 467687.2/19

Left In: 872.056 $\pm$ 0.238 χ^2 /NDF: 1045903.7/8

1077.993 $\pm$ 0.217 χ^2 /NDF: 3102509.2/26

1039.182 $\pm$ 0.207 χ^2 /NDF: 3596905.1/28

asym_sam4_mean vs Slug



Right In: 338.117 ± 995.842 $\chi^2/\text{NDF}: 24.8/16$

Left Out: 4058.300 ± 787.035 $\chi^2/\text{NDF}: 18.7/9$

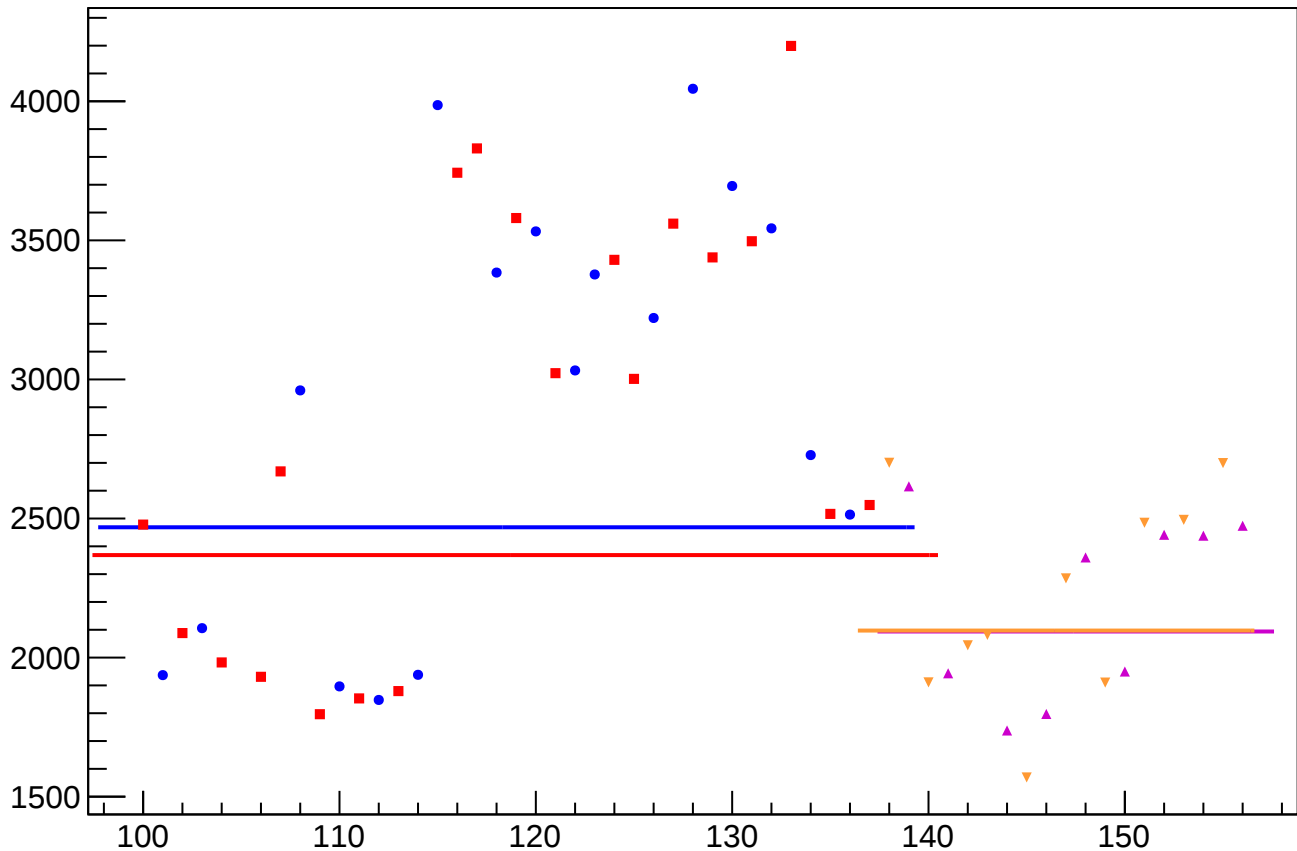
Right Out: 1742.470 ± 923.289 $\chi^2/\text{NDF}: 13.6/19$

Left In: 1025.121 ± 782.964 $\chi^2/\text{NDF}: 5.3/8$

2628.012 ± 617.476 $\chi^2/\text{NDF}: 52.0/26$

1325.196 ± 597.155 $\chi^2/\text{NDF}: 19.2/28$

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2097.169+/-0.557 χ^2/NDF : 444341.5/9

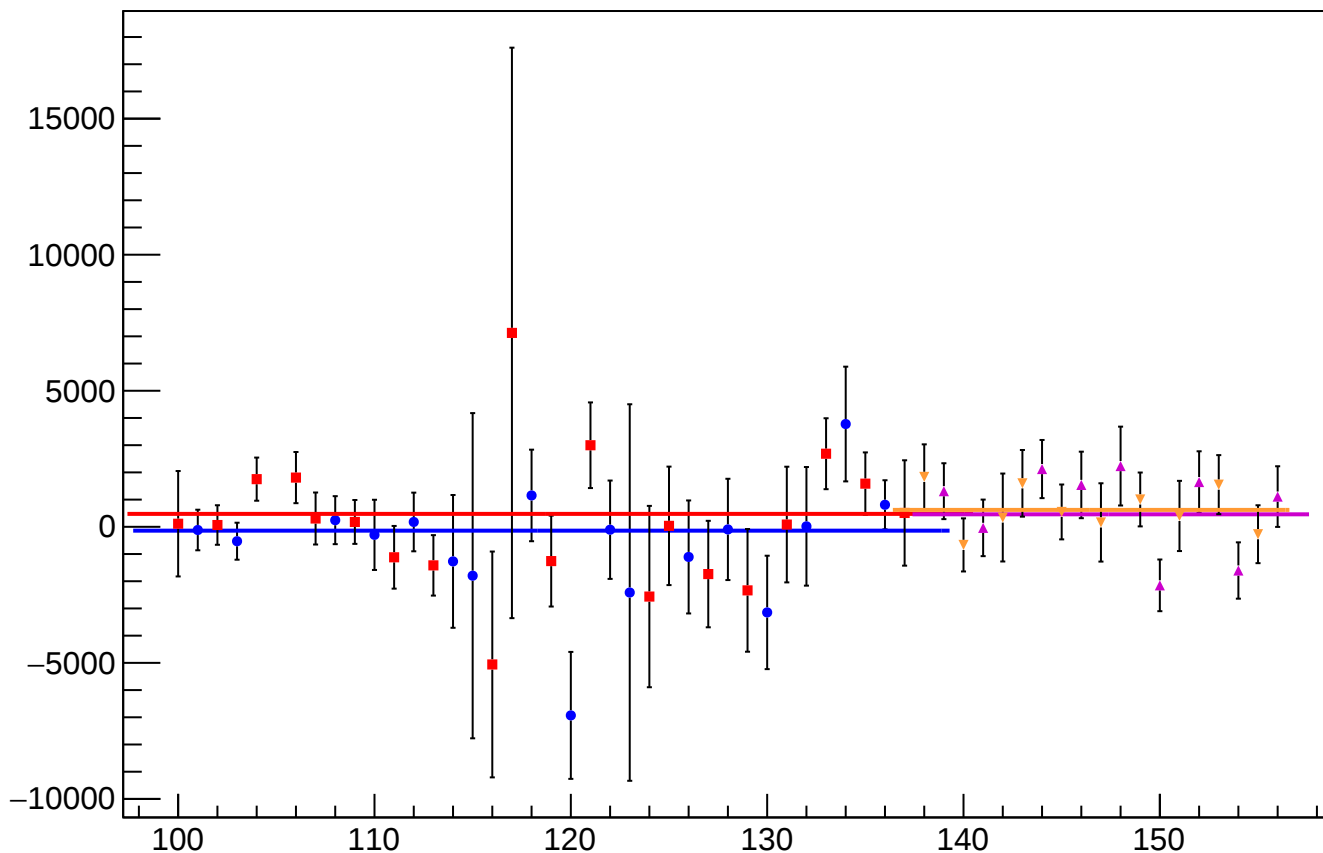
Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

Left In: 2093.803+/-0.554 χ^2/NDF : 314682.0/8

2239.929+/-0.437 χ^2/NDF : 1511652.9/26

2208.721+/-0.422 χ^2/NDF : 1455489.7/28

asym_sam5_mean vs Slug



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 621.651+/-362.258 χ^2/NDF : 5.2/9

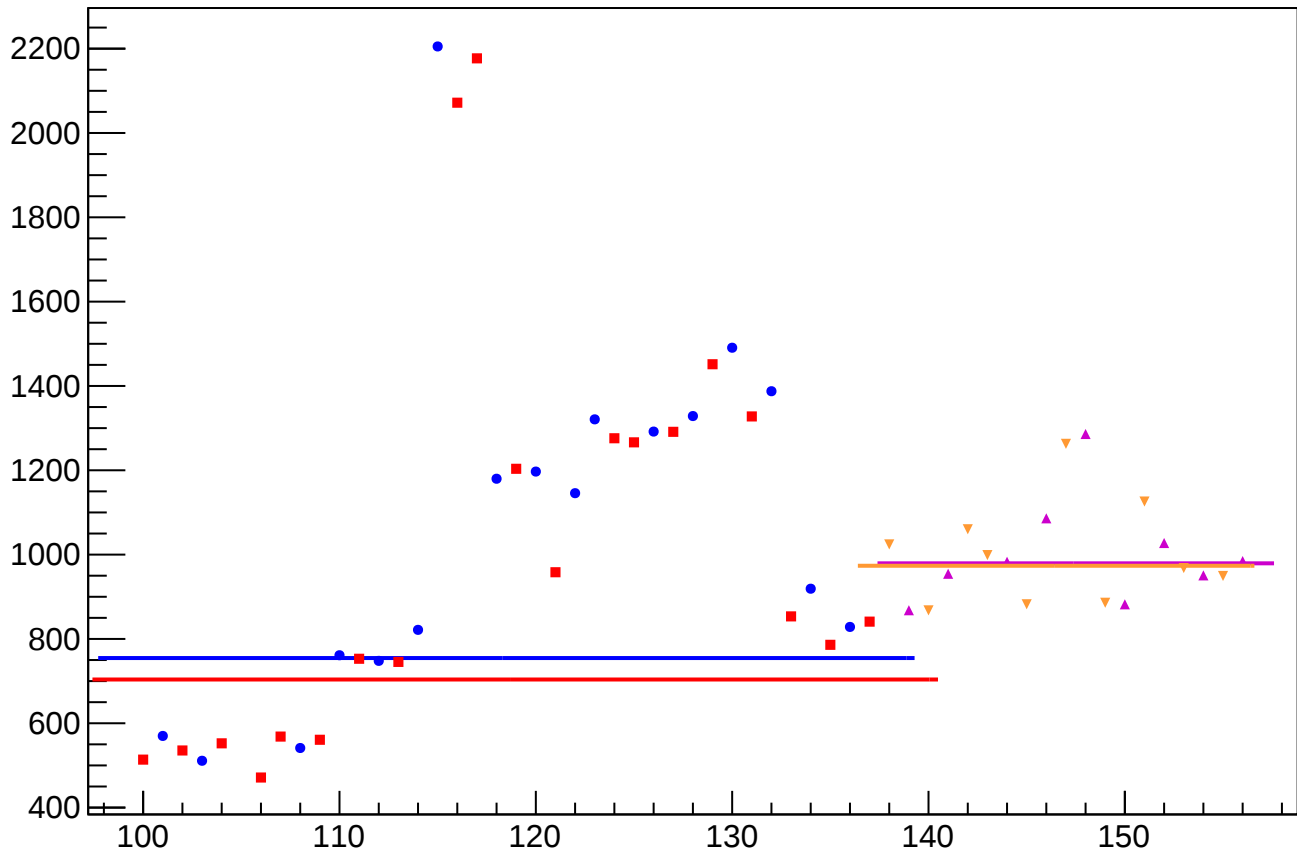
Right Out: 474.987+/-282.789 χ^2/NDF : 23.3/19

Left In: 459.306+/-364.529 χ^2/NDF : 18.6/8

185.245+/-236.978 χ^2/NDF : 24.6/26

469.096+/-223.438 χ^2/NDF : 41.9/28

asym_sam5_rms vs Slug



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 973.564+/-0.256 χ^2/NDF :175581.9/9

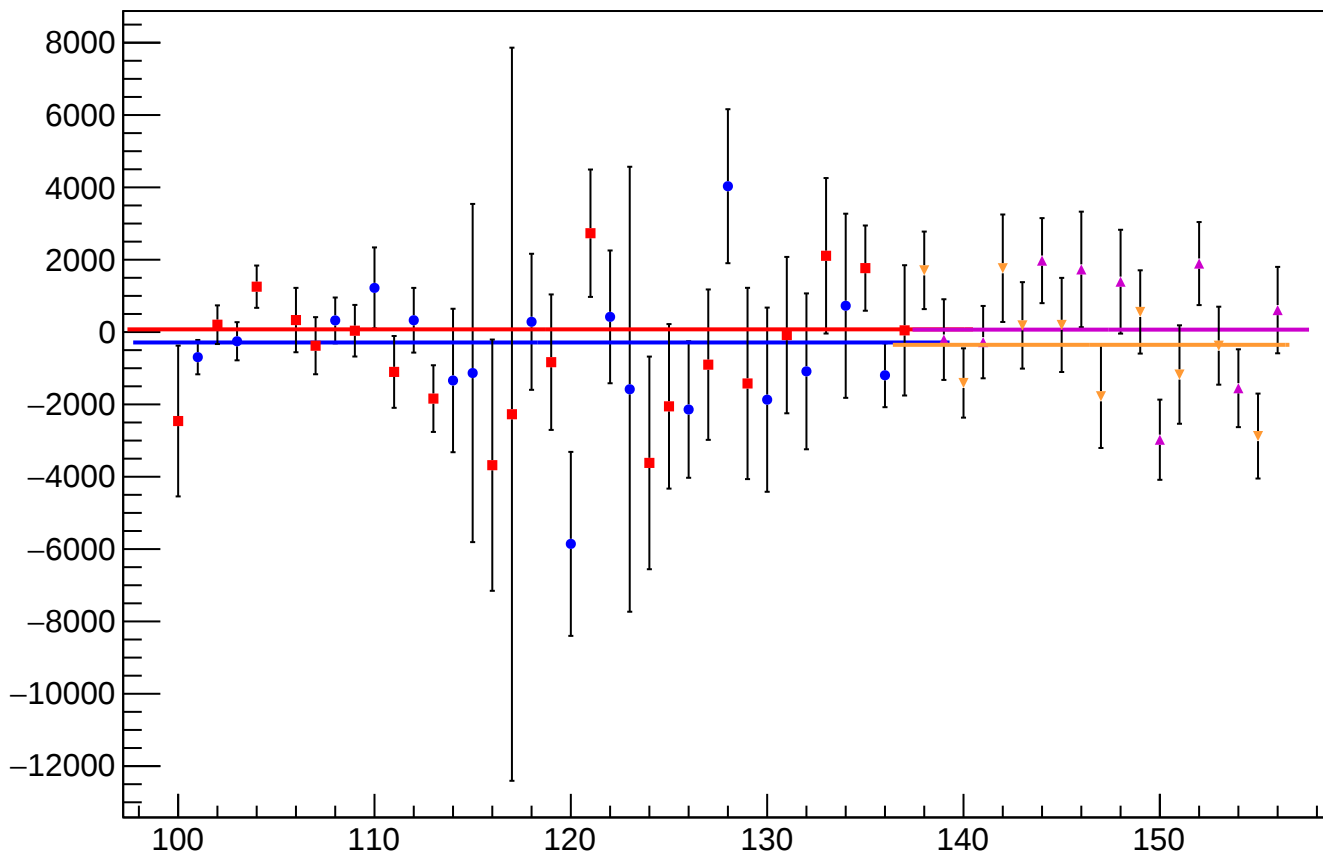
Right Out: 703.794+/-0.200 χ^2/NDF : 1731134.6/19

Left In: 979.330+/-0.258 χ^2/NDF :155682.1/8

848.351+/-0.168 χ^2/NDF : 2283891.3/26

807.315+/-0.158 χ^2/NDF : 2600180.5/28

asym_sam6_mean vs Slug



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: -352.898+/-376.009 χ^2/NDF :13.9/9

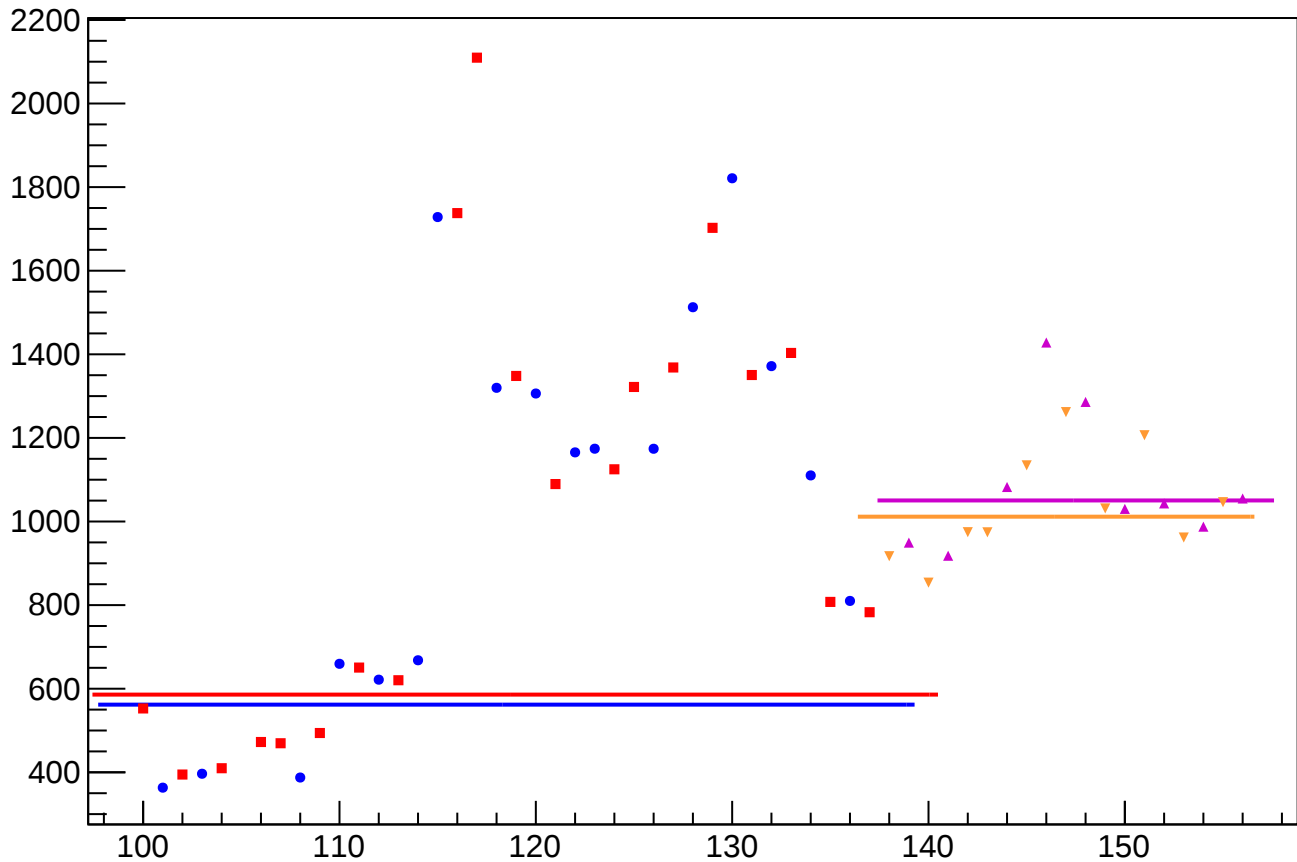
Right Out: 74.735+/-246.011 χ^2/NDF : 21.4/19

Left In: 66.880+/-390.959 χ^2/NDF :17.3/8

-307.968+/-208.436 χ^2/NDF : 30.1/26

72.507+/-208.218 χ^2/NDF : 38.7/28

asym_sam6_rms vs Slug



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 1011.562+/-0.266 χ^2/NDF : 199724.1/9

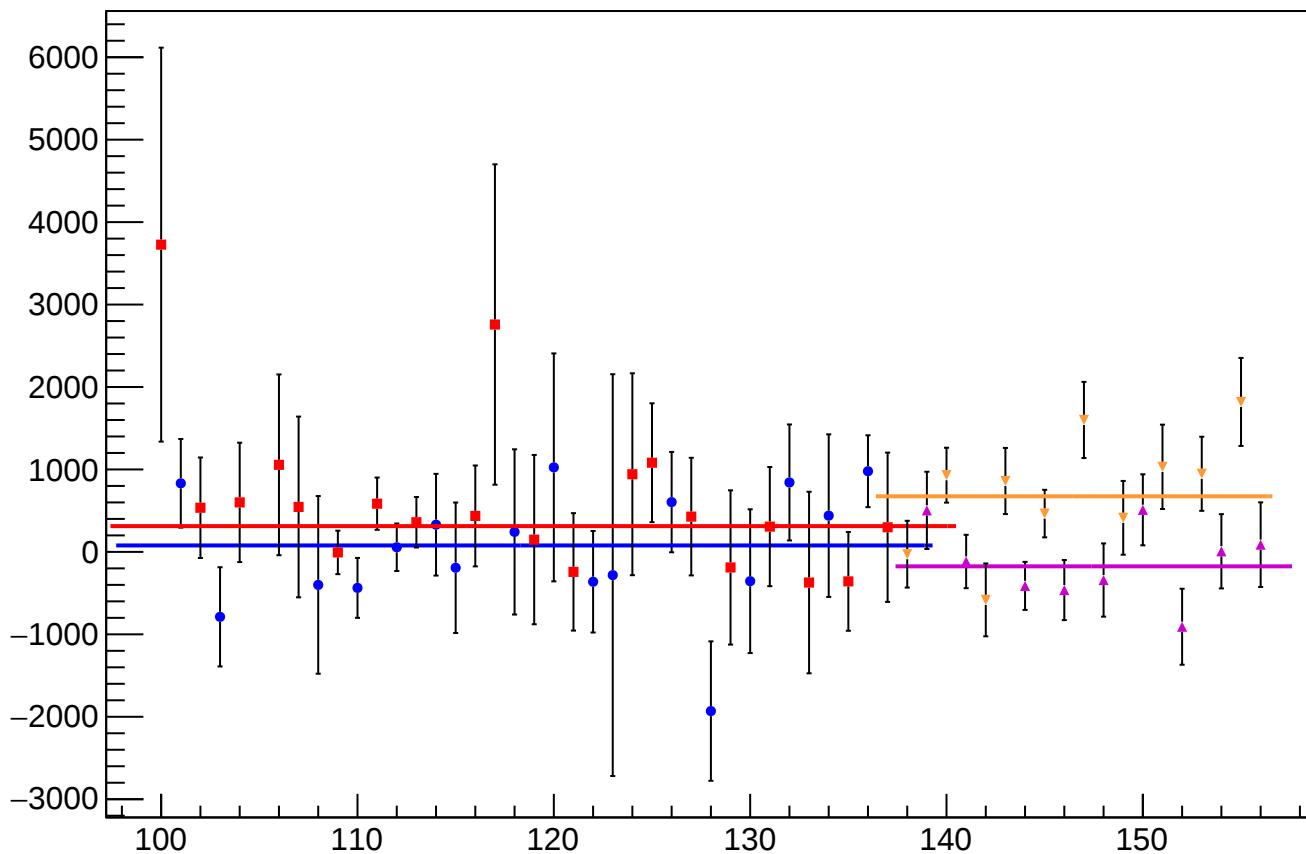
700.072+/-0.147 χ^2/NDF : 5397764.0/26

Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

717.640+/-0.147 χ^2/NDF : 5118225.5/28

Left In: 1050.378+/-0.276 χ^2/NDF : 226248.0/8

asym_sam7_mean vs Slug



Right In: 78.184+/-142.869 χ^2/NDF : 19.8/16

Left Out: 674.376+/-128.607 χ^2/NDF : 22.2/9

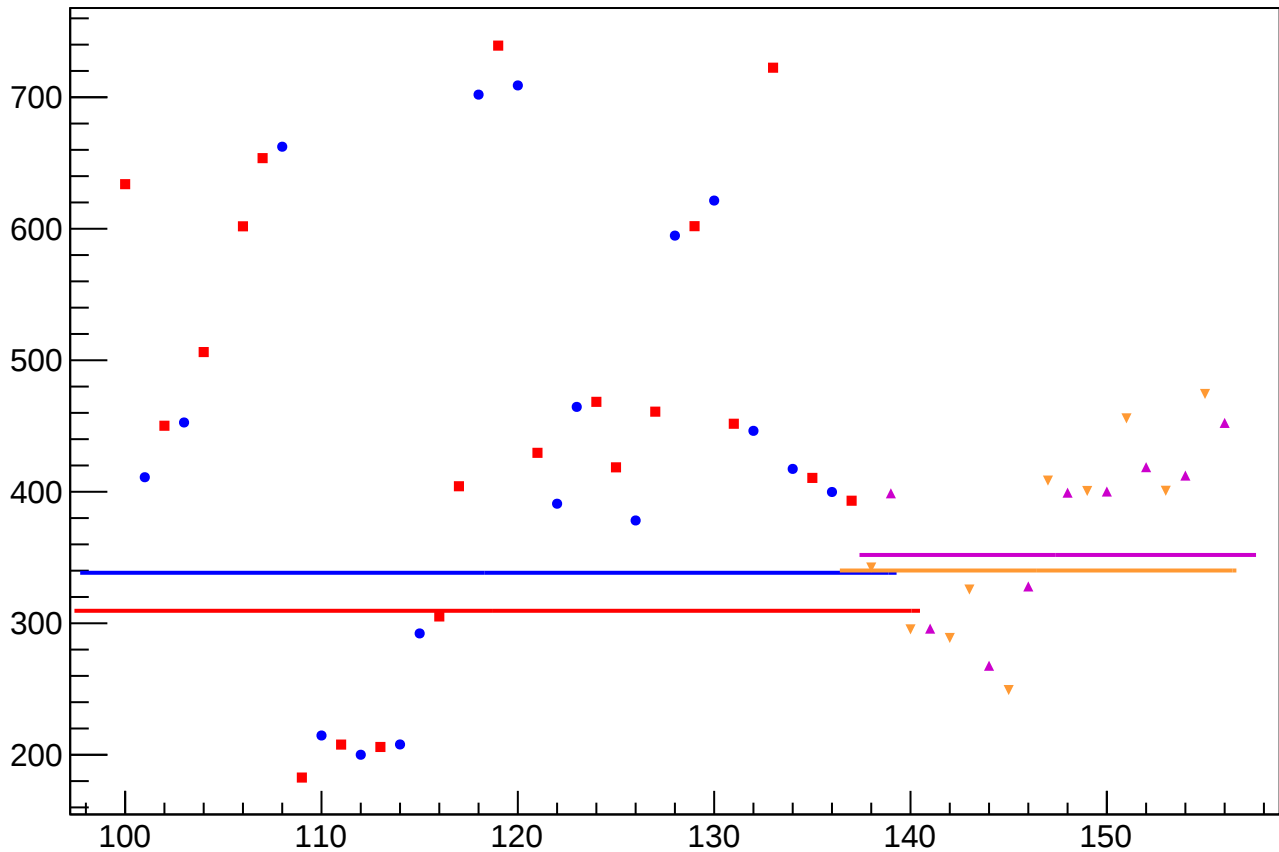
Right Out: 312.536+/-129.362 χ^2/NDF : 10.7/19

Left In: -175.217+/-132.097 χ^2/NDF : 9.0/8

407.515+/-95.585 χ^2/NDF : 51.6/26

73.761+/-92.424 χ^2/NDF : 26.7/28

asym_sam7_rms vs Slug



Right In: 338.408 ± 0.101 χ^2/NDF : 2009287.1/16

Left Out: 340.132 ± 0.091 χ^2/NDF : 610204.9/9

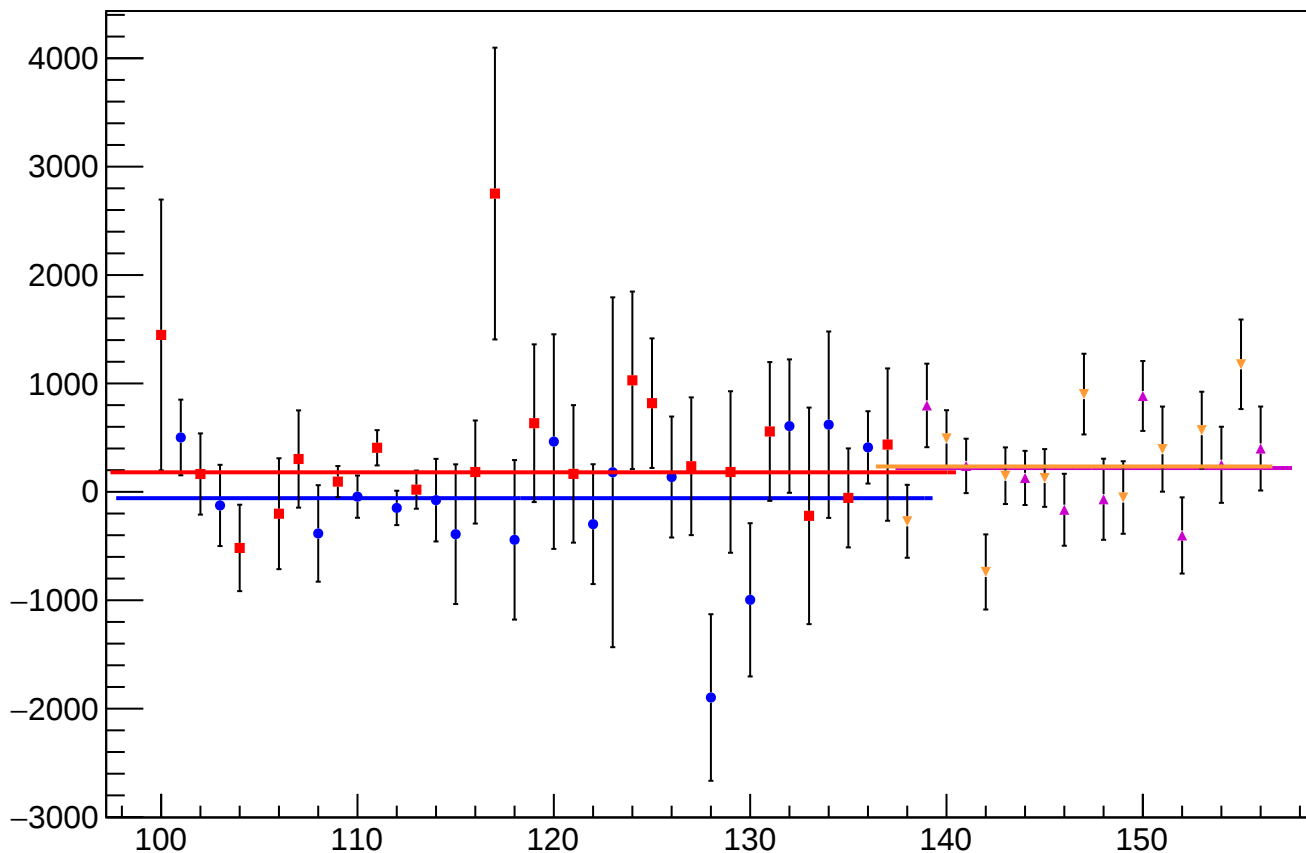
Right Out: 309.503 ± 0.091 χ^2/NDF : 2738236.3/19

Left In: 351.961 ± 0.093 χ^2/NDF : 458045.1/8

339.360 ± 0.068 χ^2/NDF : 2619652.8/26

330.288 ± 0.065 χ^2/NDF : 3301753.2/28

asym_sam8_mean vs Slug



Right In: -58.299+/-90.484 χ^2/NDF : 15.9/16

Left Out: 234.082+/-101.465 χ^2/NDF : 21.6/9

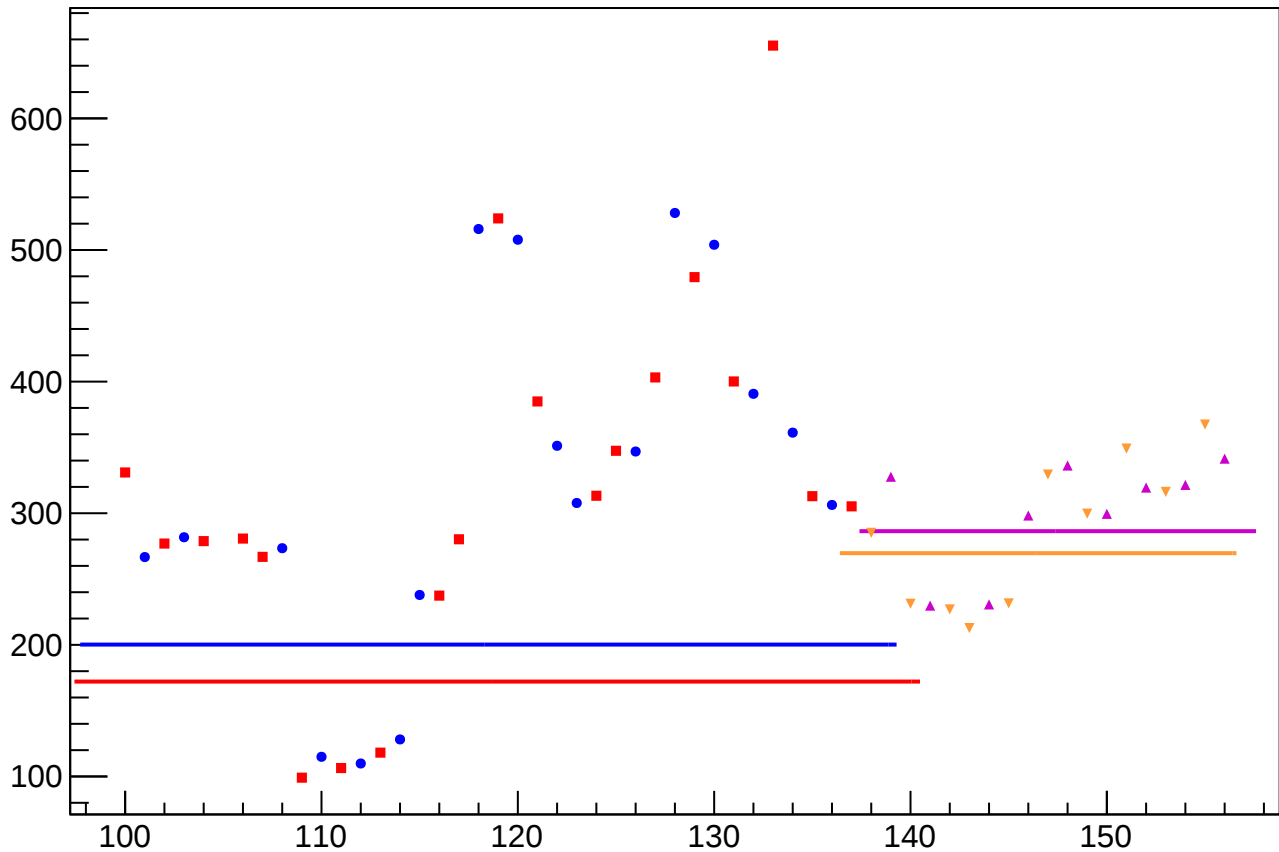
Right Out: 180.354+/-76.795 χ^2/NDF : 15.0/19

Left In: 219.641+/-106.986 χ^2/NDF : 11.9/8

71.220+/-67.532 χ^2/NDF : 42.1/26

193.713+/-62.386 χ^2/NDF : 27.0/28

asym_sam8_rms vs Slug



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 269.665+/-0.072 χ^2/NDF : 510143.2/9

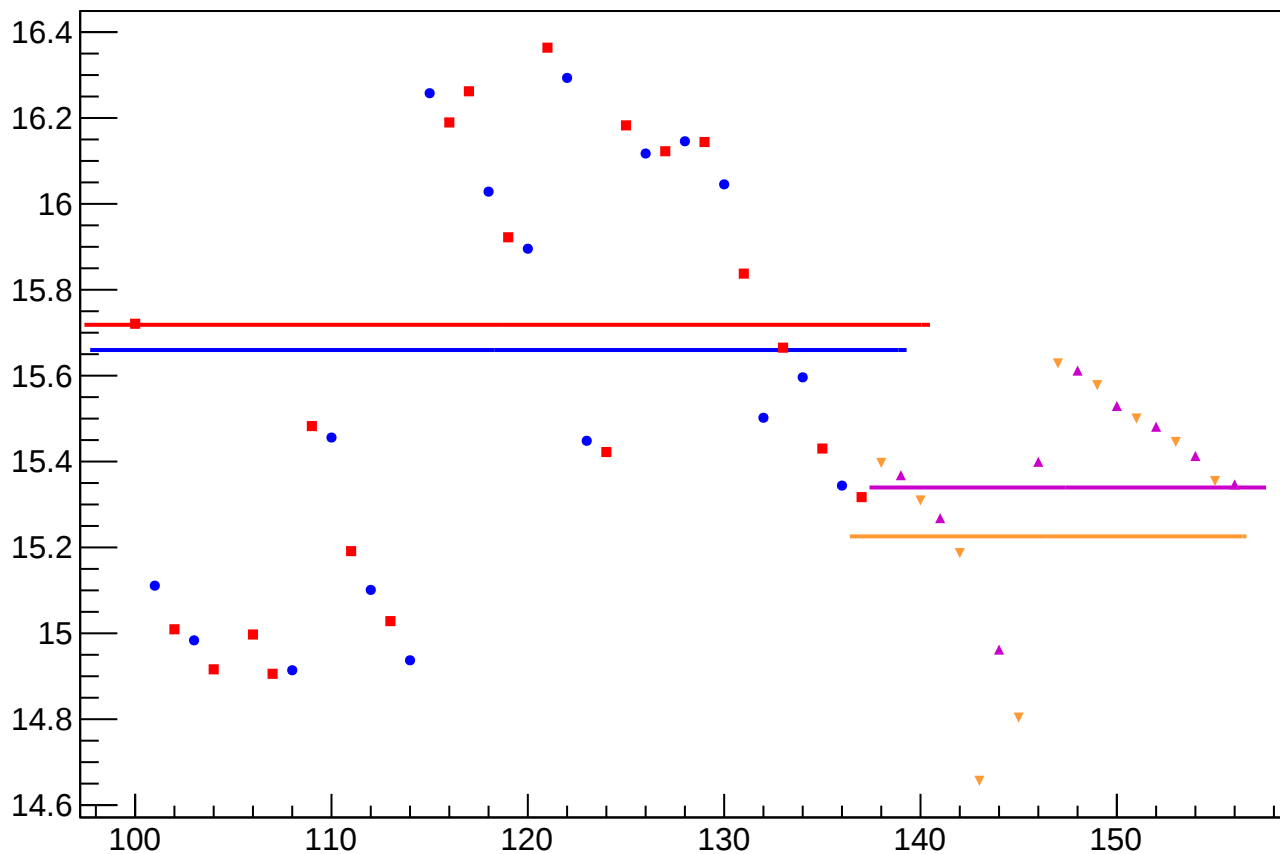
230.977+/-0.048 χ^2/NDF : 4419367.1/26

Right Out: 172.110+/-0.054 χ^2/NDF : 4106869.2/19

210.968+/-0.044 χ^2/NDF : 5956445.8/28

Left In: 286.387+/-0.076 χ^2/NDF : 343622.9/8

yield_sam1_mean vs Slug



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.226 $\pm$ 0.000 χ^2 /NDF: 6122840263.6/9

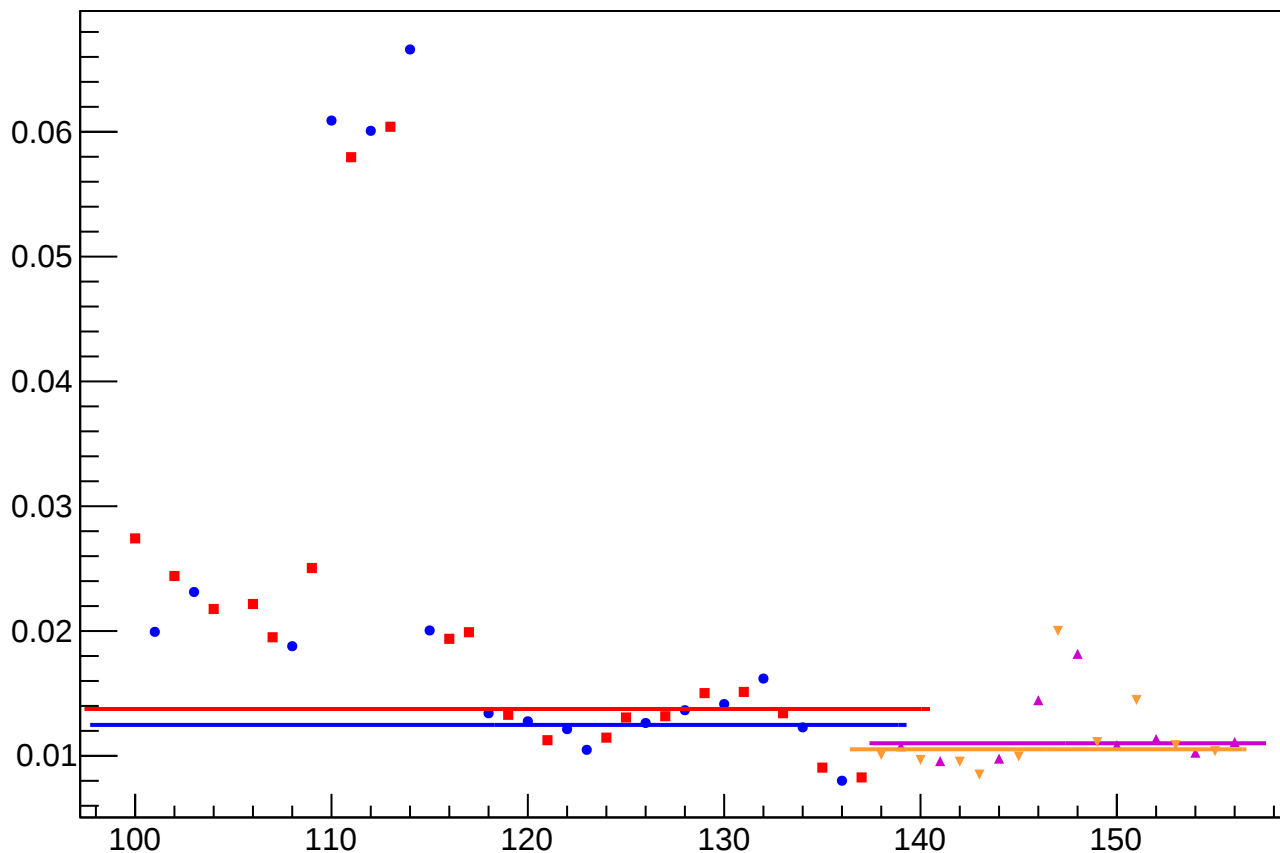
Right Out: 15.718 $\pm$ 0.000 χ^2 /NDF: 5490626945.9/19

Left In: 15.340 $\pm$ 0.000 χ^2 /NDF: 1868380514.3/8

15.380 $\pm$ 0.000 χ^2 /NDF: 15929186418.2/26

15.468 $\pm$ 0.000 χ^2 /NDF: 10102285511.5/28

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:549430.7/9

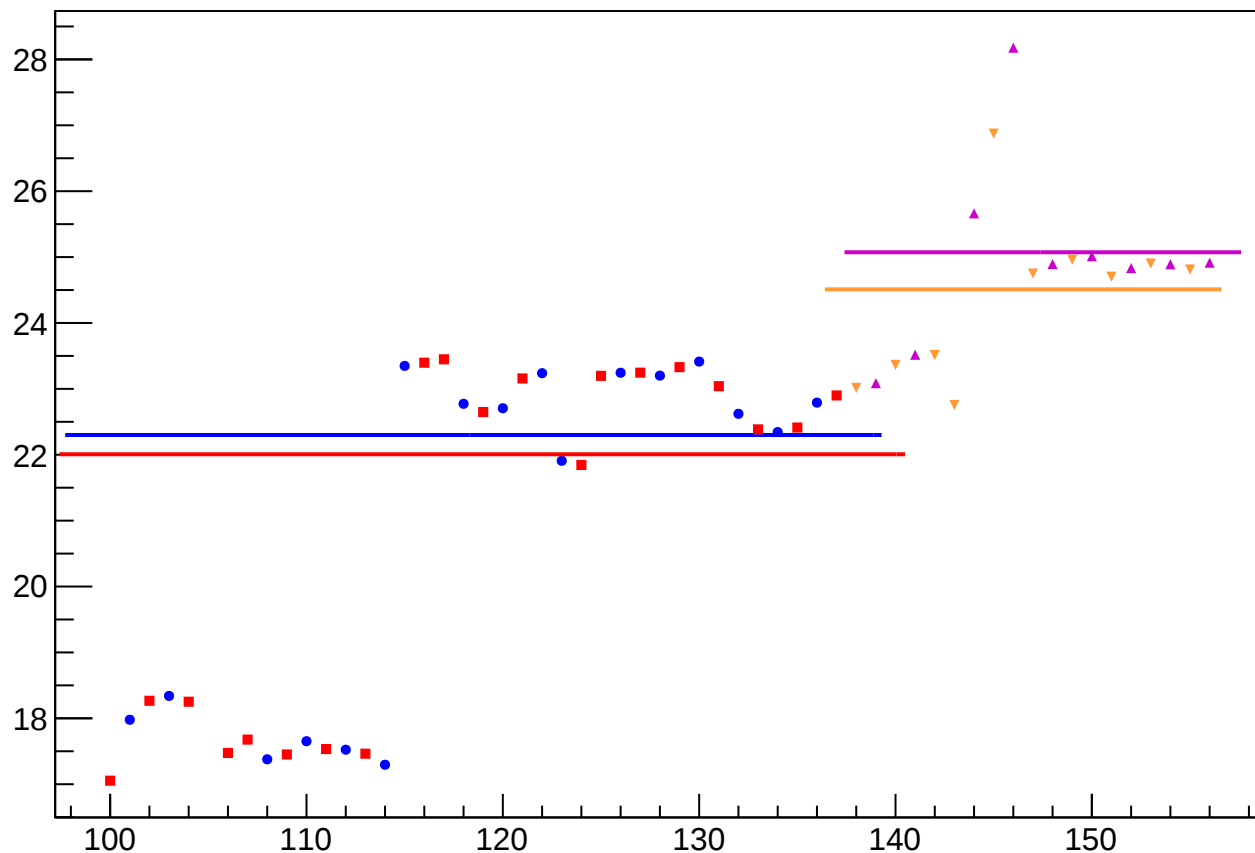
Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2084935.7/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:392705.6/8

0.011 $\pm$ 0.000 χ^2 /NDF: 2865583.9/26

0.012 $\pm$ 0.000 χ^2 /NDF: 2765802.8/28

yield_sam2_mean vs Slug



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.510+/-0.000 χ^2/NDF : 825221517.0/9

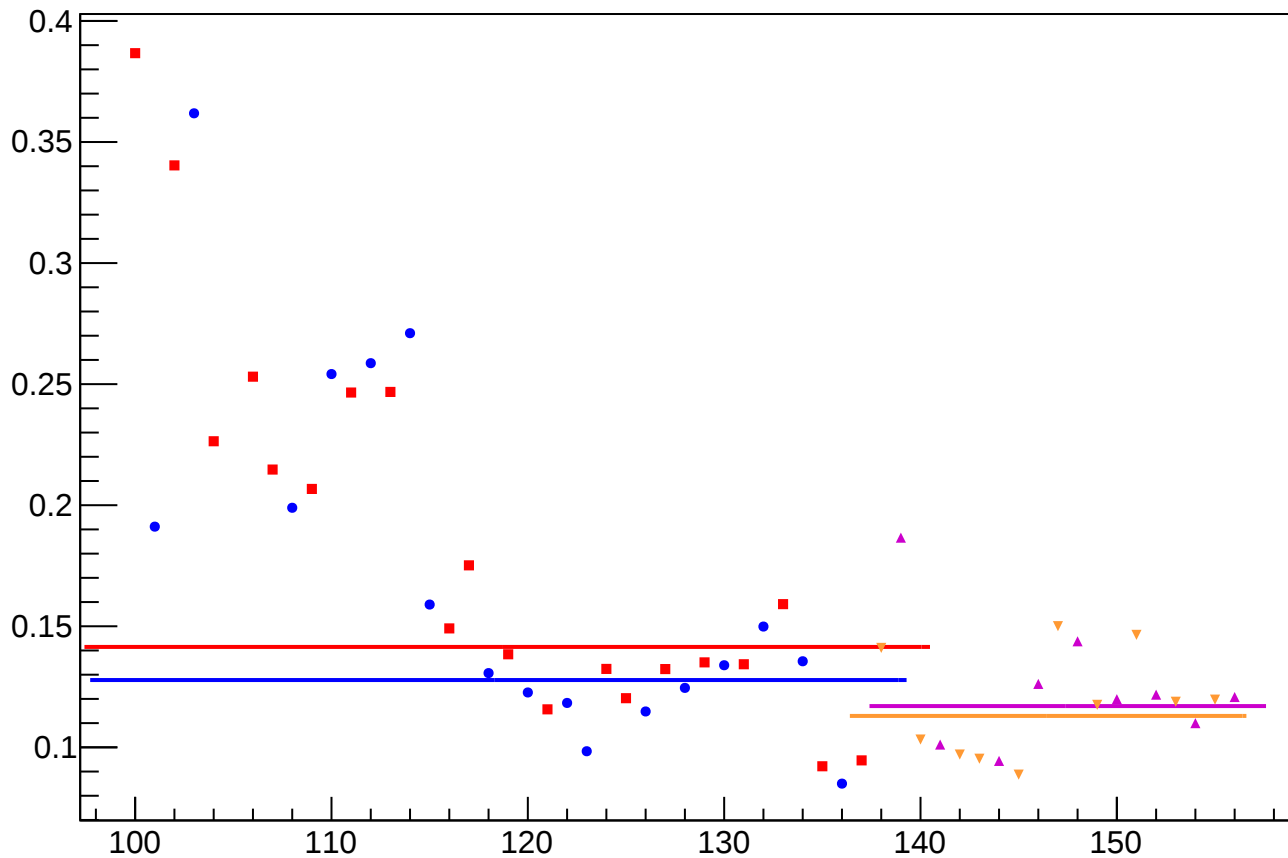
Right Out: 22.007+/-0.000 χ^2/NDF : 1068683102.9/19

Left In: 25.073+/-0.000 χ^2/NDF : 698047398.1/8

23.641+/-0.000 χ^2/NDF : 2682208418.5/26

23.912+/-0.000 χ^2/NDF : 3384454581.5/28

yield_sam2_rms vs Slug



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.113+/-0.000 χ^2/NDF : 381609.1/9

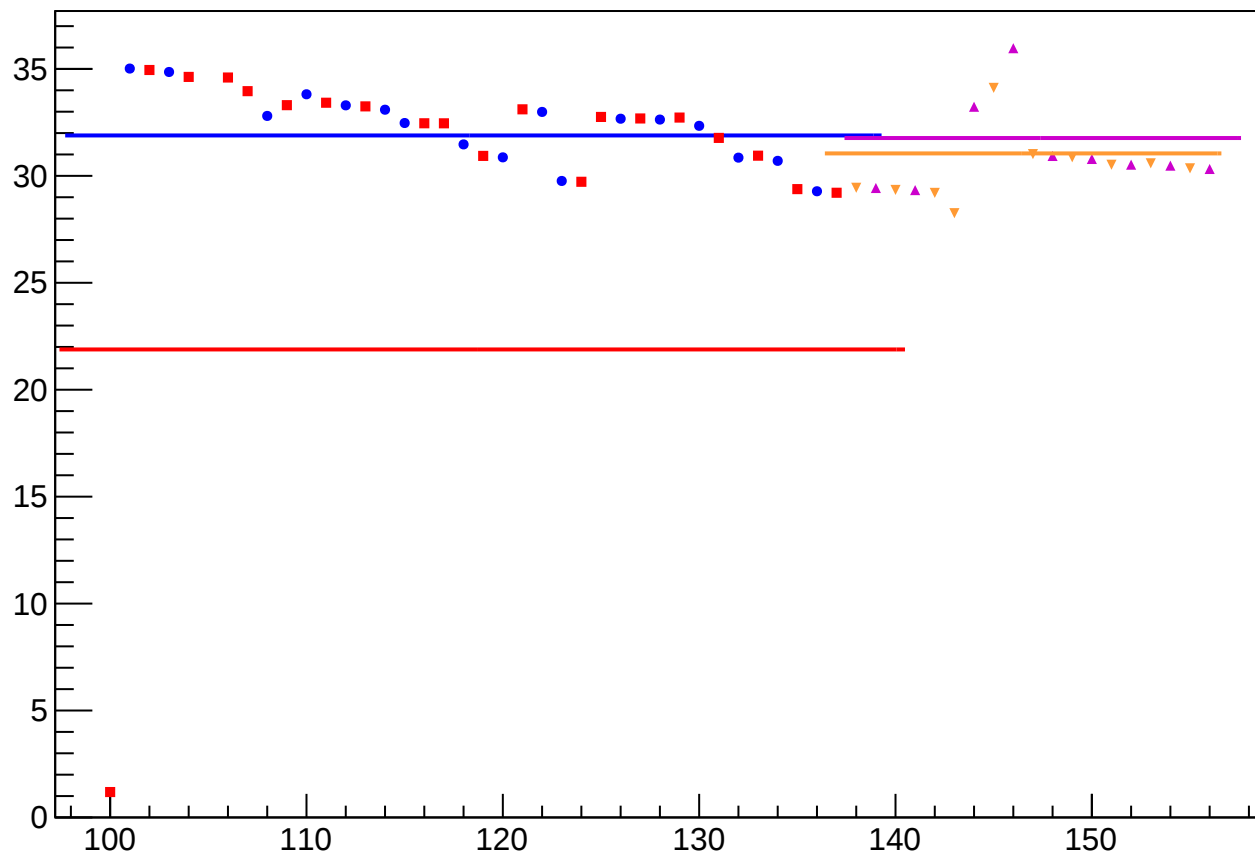
Right Out: 0.141+/-0.000 χ^2/NDF : 1452162.4/19

Left In: 0.117+/-0.000 χ^2/NDF : 384512.8/8

0.119+/-0.000 χ^2/NDF : 1956289.4/26

0.126+/-0.000 χ^2/NDF : 2042081.1/28

yield_sam3_mean vs Slug



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.049+/-0.000 χ^2/NDF : 4283721227.9/9

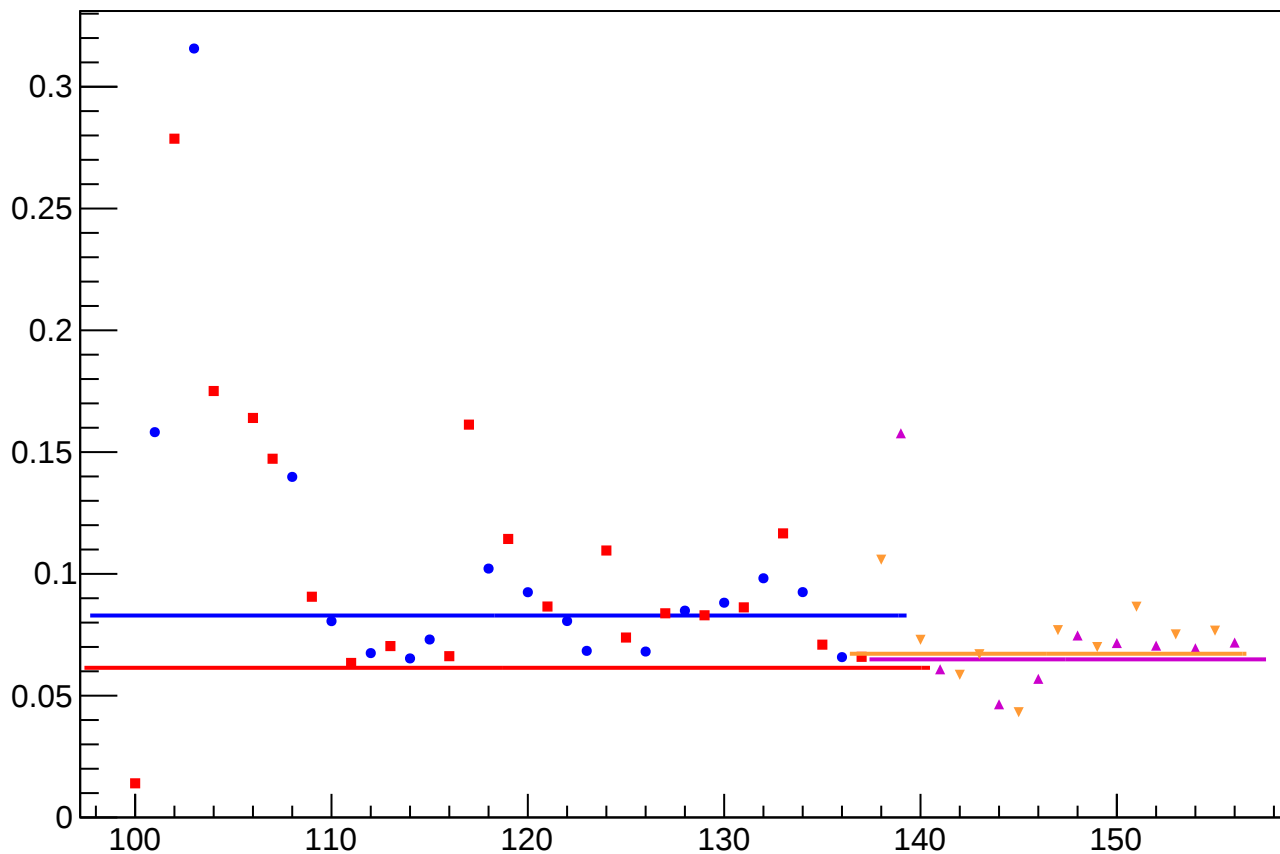
Right Out: 21.883+/-0.000 χ^2/NDF : 230247118310.5/19

Left In: 31.769+/-0.000 χ^2/NDF : 5830804842.6/8

31.366+/-0.000 χ^2/NDF : 6527415955.6/26

27.269+/-0.000 χ^2/NDF : 292838121930.6/28

yield_sam3_rms vs Slug



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.067+/-0.000 χ^2/NDF : 624199.1/9

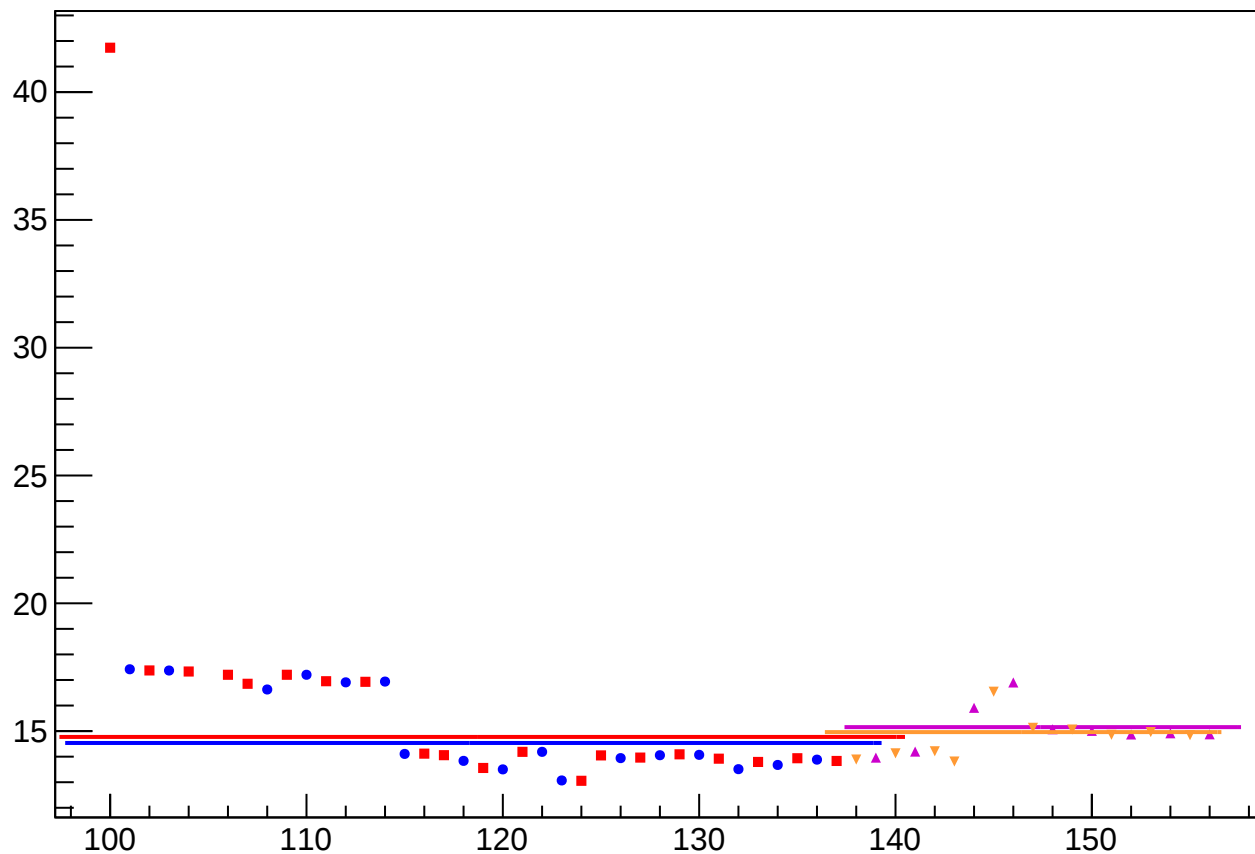
Right Out: 0.061+/-0.000 χ^2/NDF : 3635656.2/19

Left In: 0.065+/-0.000 χ^2/NDF : 765152.1/8

0.073+/-0.000 χ^2/NDF : 2007457.3/26

0.063+/-0.000 χ^2/NDF : 4414726.2/28

yield_sam4_mean vs Slug



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.961+/-0.000 χ^2/NDF : 946947962.9/9

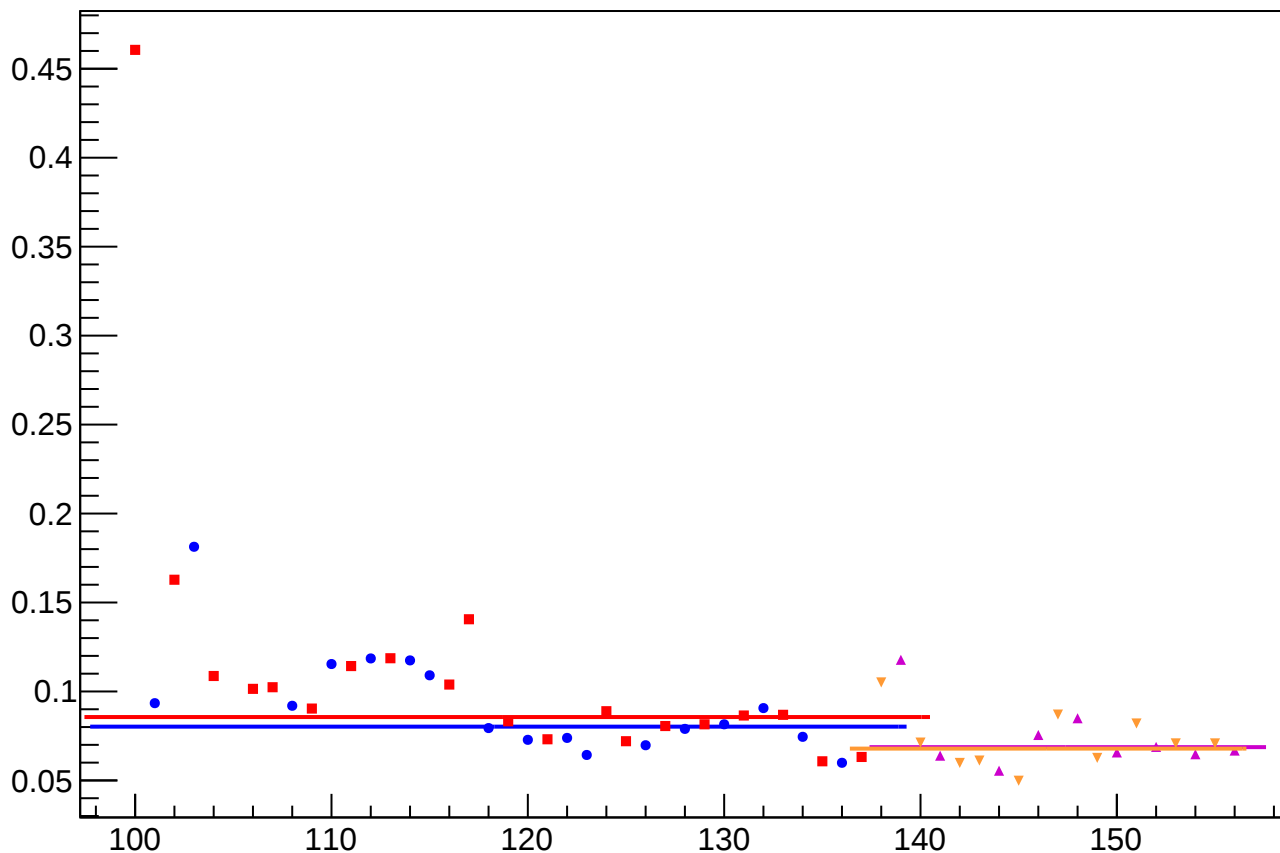
Right Out: 14.772+/-0.000 χ^2/NDF : 1887789052.4/19

Left In: 15.155+/-0.000 χ^2/NDF : 734085253.0/8

14.790+/-0.000 χ^2/NDF : 2510115298.3/26

15.008+/-0.000 χ^2/NDF : 2694653172.9/28

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 : 462159.7/9

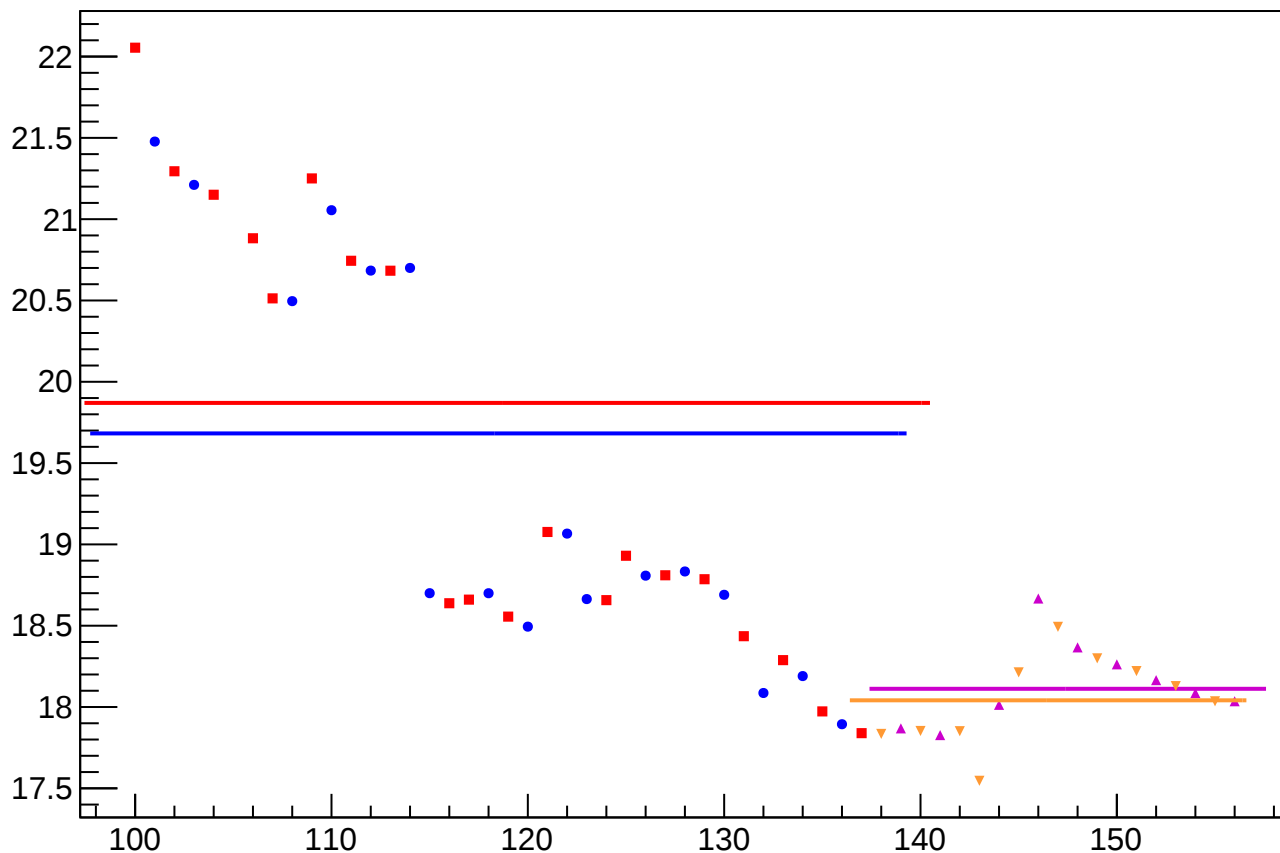
Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

Left In: 0.069+/-0.000 χ^2/NDF : 399415.0/8

0.073+/-0.000 χ^2/NDF : 1397009.2/26

0.075+/-0.000 χ^2/NDF : 1433007.6/28

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.041+/-0.000 χ^2/NDF : 397168208.7/9

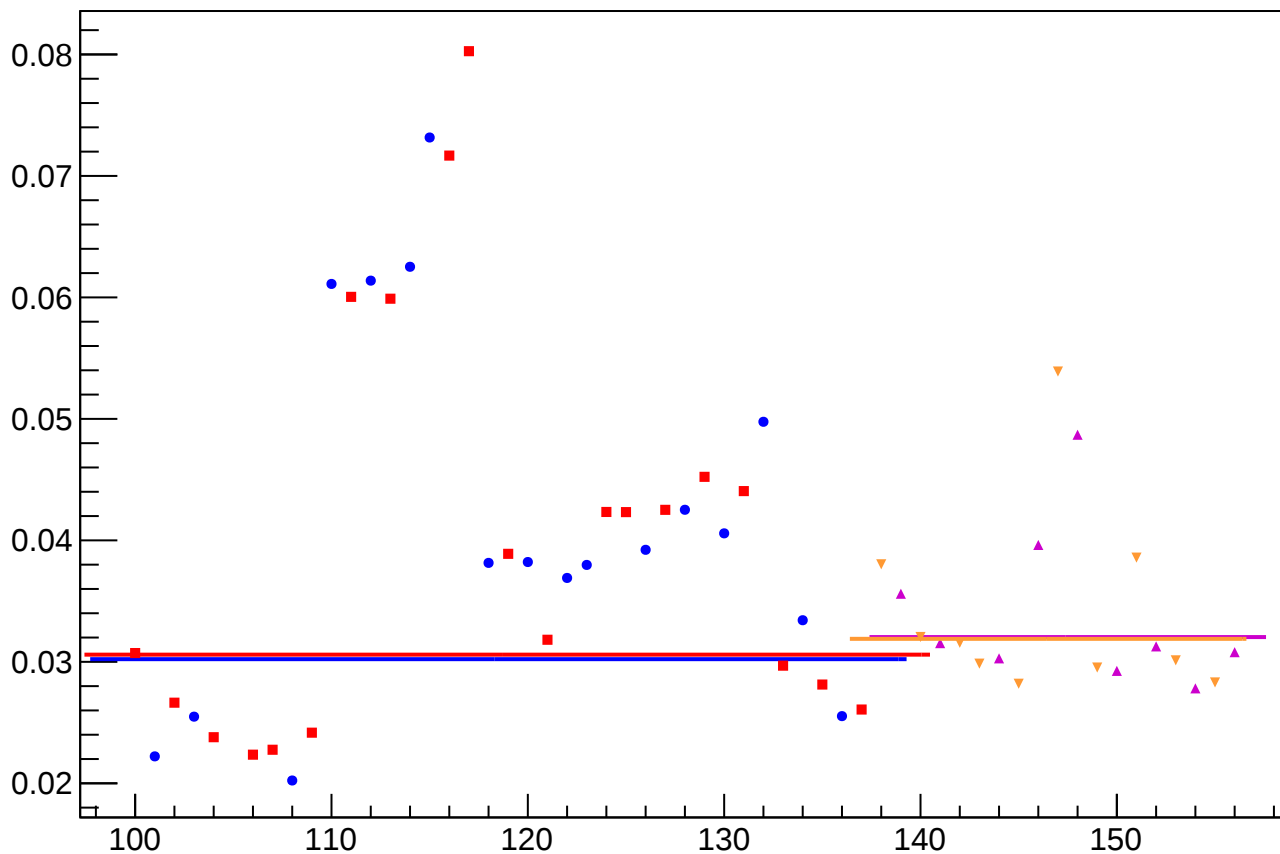
Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

Left In: 18.112+/-0.000 χ^2/NDF : 305277949.9/8

18.825+/-0.000 χ^2/NDF : 21281572645.4/26

18.962+/-0.000 χ^2/NDF : 21740247490.8/28

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 : 401197.3/9

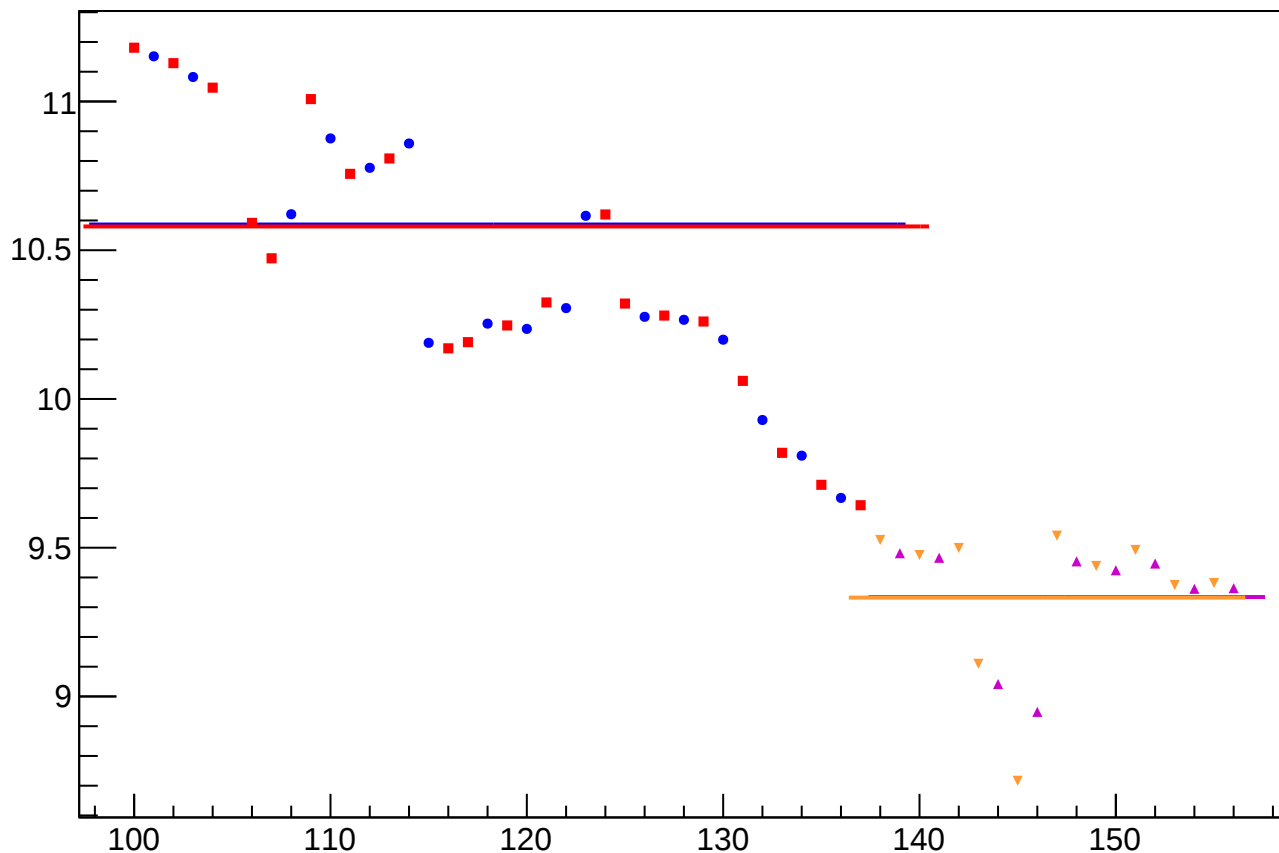
Right Out: 0.031+/-0.000 χ^2/NDF : 1219224.0/19

Left In: 0.032+/-0.000 χ^2/NDF : 310567.7/8

0.031+/-0.000 χ^2/NDF : 1743618.1/26

0.031+/-0.000 χ^2/NDF : 1543476.2/28

yield_sam6_mean vs Slug



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.332 $\pm$ 0.000 χ^2 /NDF:1040096435.4/9

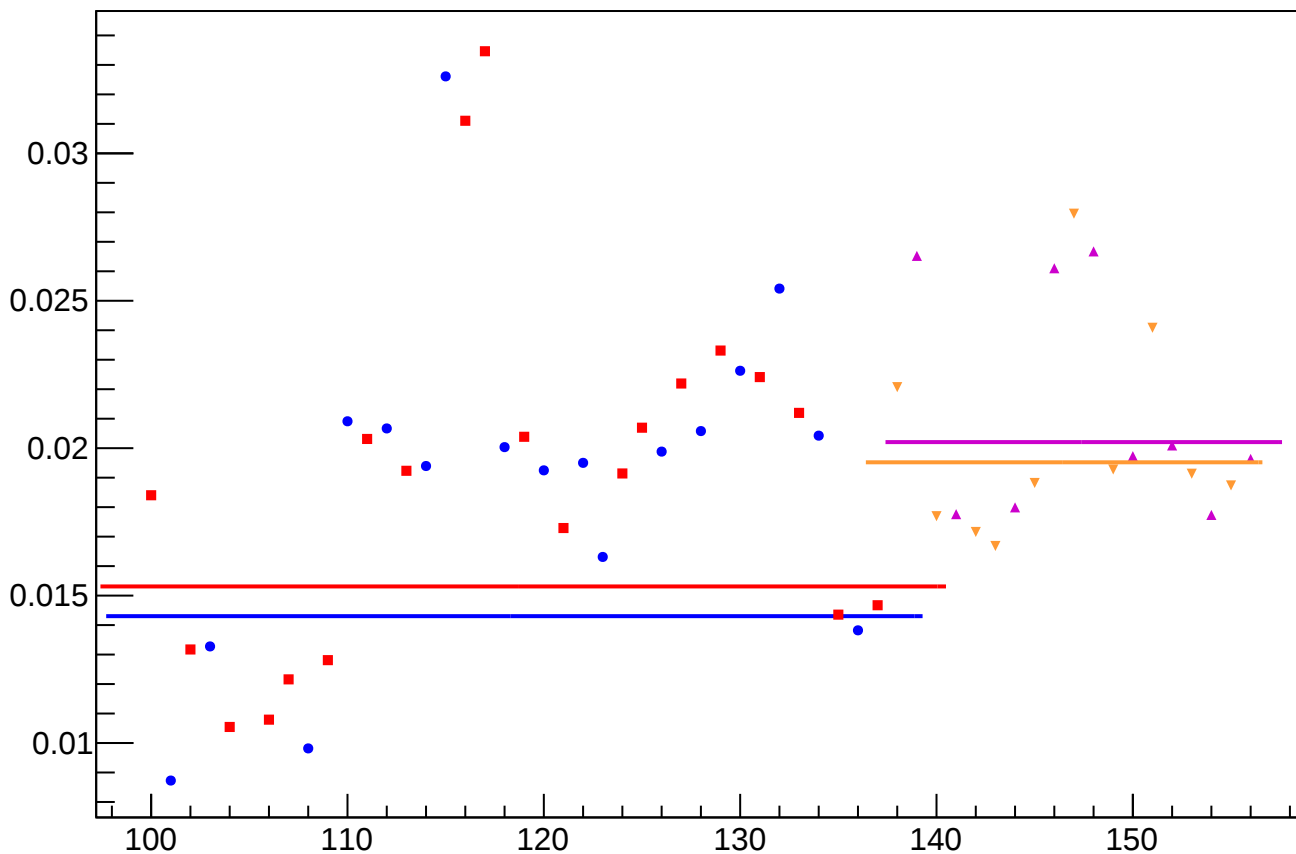
Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5769007164.9/19

Left In: 9.334 $\pm$ 0.000 χ^2 /NDF:487250845.0/8

10.087 $\pm$ 0.000 χ^2 /NDF: 24777692299.9/26

10.093 $\pm$ 0.000 χ^2 /NDF: 21598467259.9/28

yield_sam6_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.020 $\pm$ 0.000 χ^2/NDF : 276745.6/9

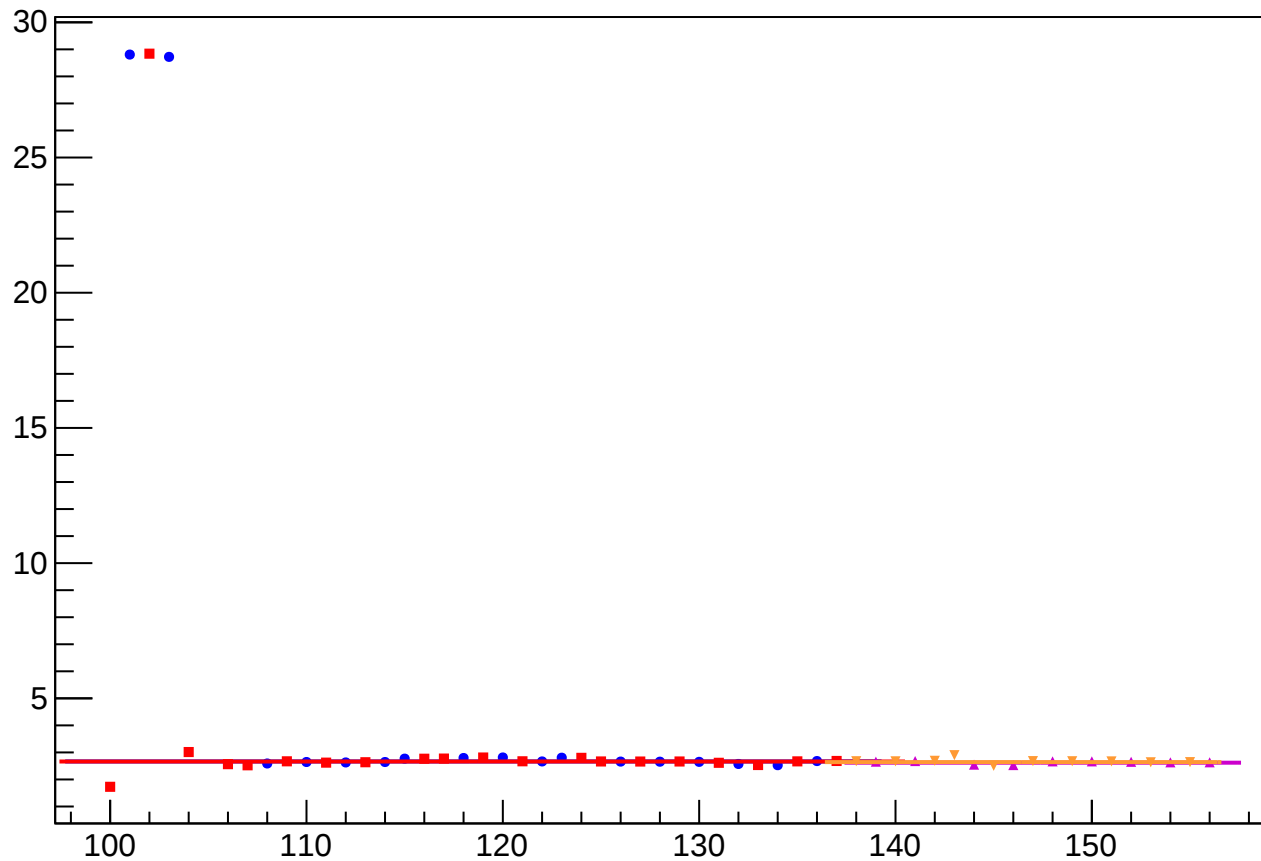
Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1011477.2/19

Left In: 0.020 $\pm$ 0.000 χ^2/NDF : 329147.7/8

0.016 $\pm$ 0.000 χ^2/NDF : 2249869.2/26

0.017 $\pm$ 0.000 χ^2/NDF : 1814646.8/28

yield_sam7_mean vs Slug



Right In: 2.666 ± 0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.642 ± 0.000 χ^2/NDF : 11360961939.2/9

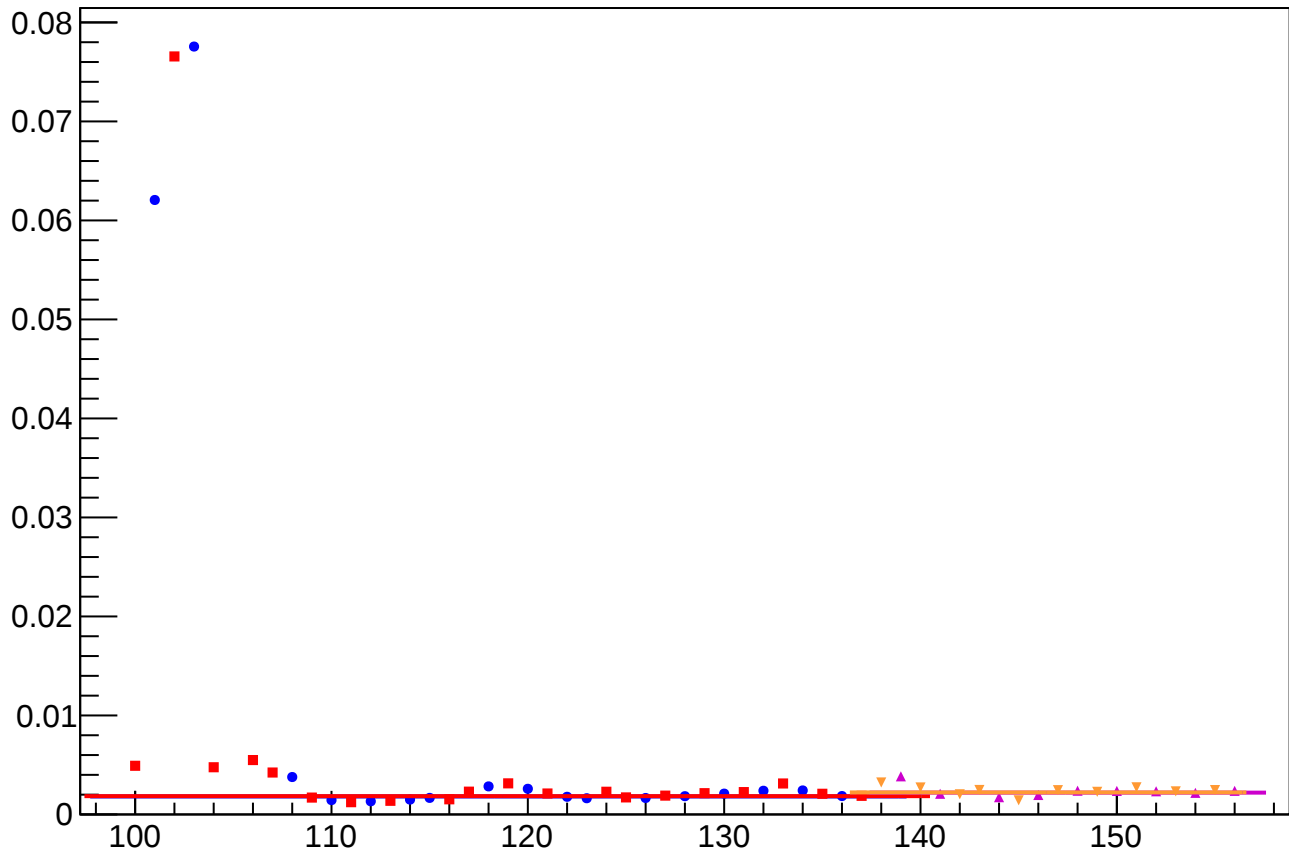
Right Out: 2.664 ± 0.000 χ^2/NDF : 70484048082.1/19

Left In: 2.620 ± 0.000 χ^2/NDF : 3849437392.7/8

2.655 ± 0.000 χ^2/NDF : 174885808187.3/26

2.644 ± 0.000 χ^2/NDF : 75591520481.3/28

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 :607605.1/9

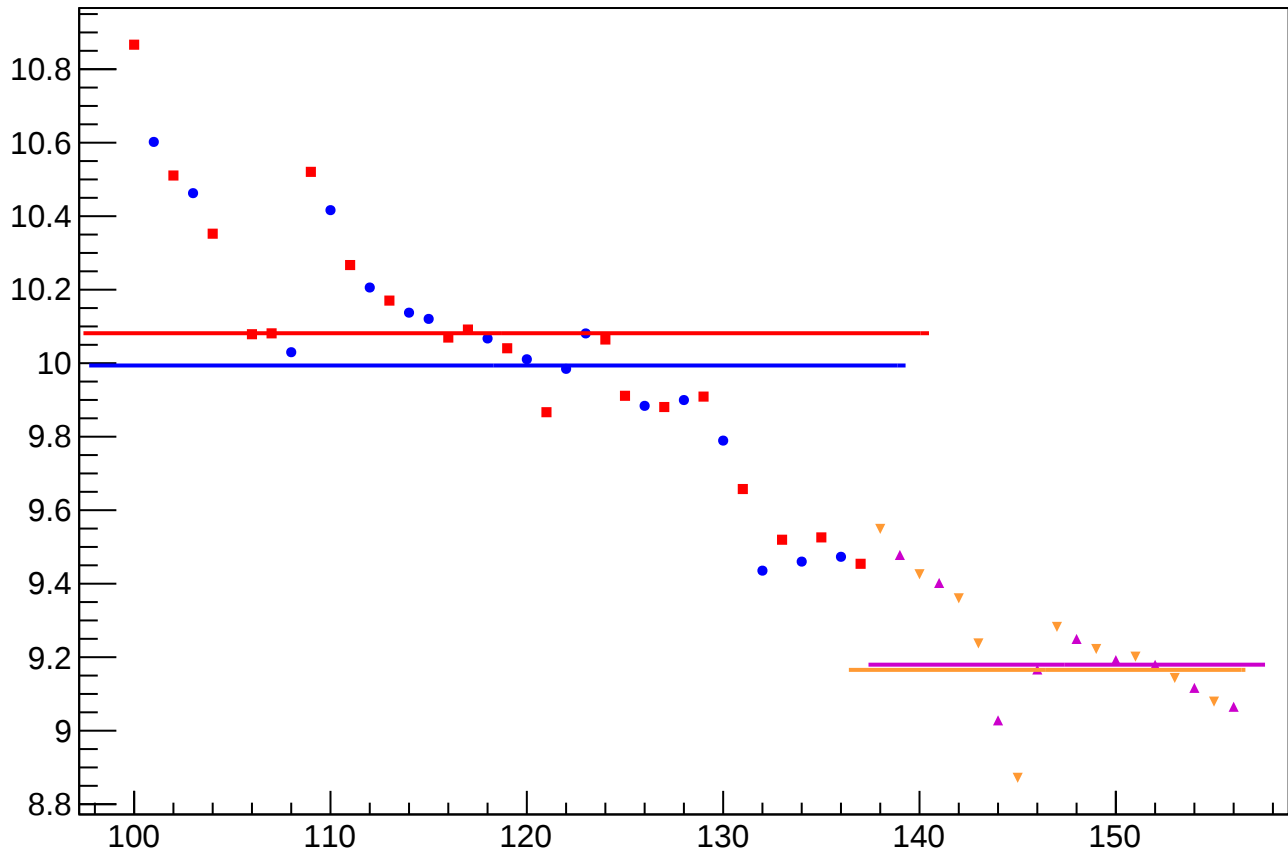
Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

Left In: 0.002+/-0.000 χ^2/NDF :400154.0/8

0.002+/-0.000 χ^2/NDF : 3475867.0/26

0.002+/-0.000 χ^2/NDF : 2900634.1/28

yield_sam8_mean vs Slug



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.165+/-0.000 χ^2/NDF : 4723891388.1/9

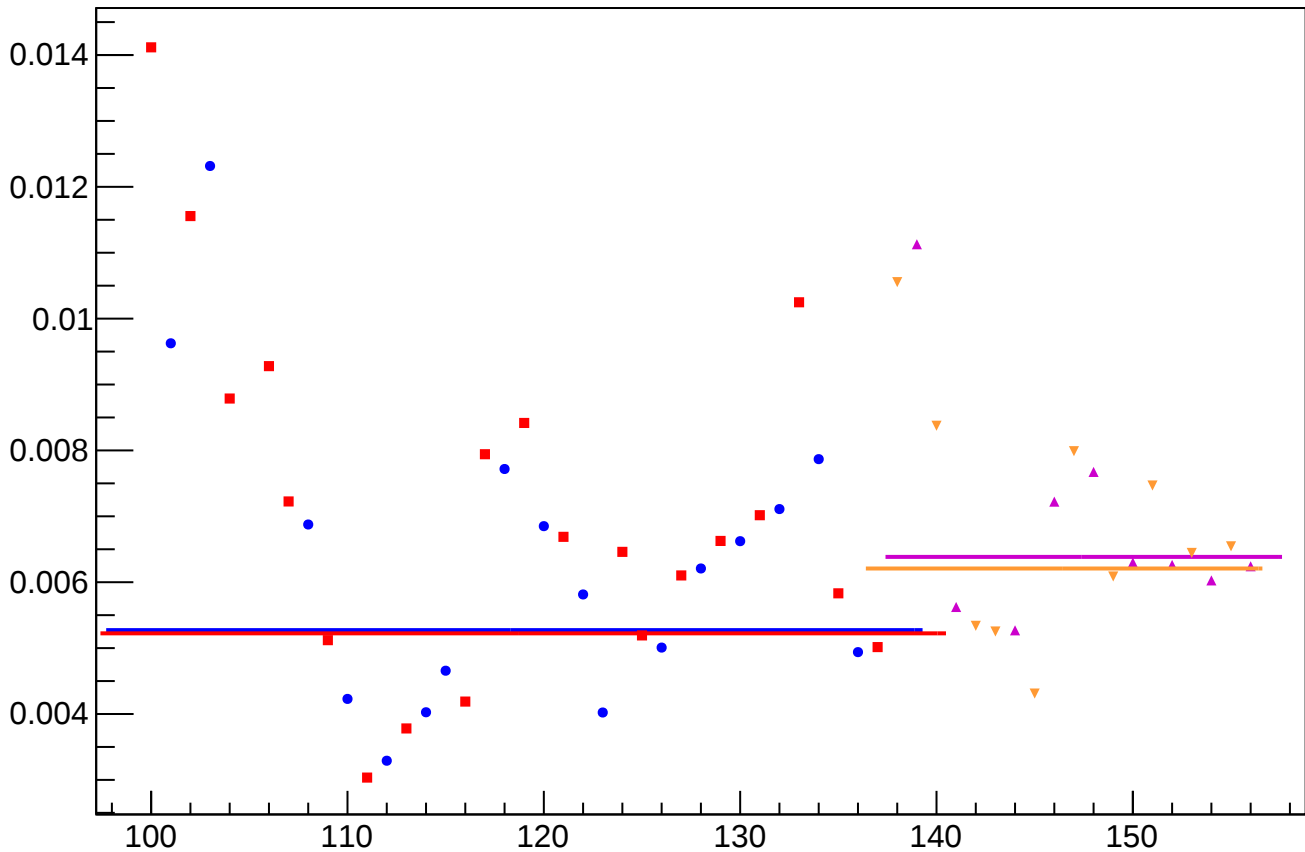
9.624+/-0.000 χ^2/NDF : 78881737905.3/26

Right Out: 10.082+/-0.000 χ^2/NDF : 15502760782.3/19

9.695+/-0.000 χ^2/NDF : 84967836780.9/28

Left In: 9.180+/-0.000 χ^2/NDF : 2285466062.2/8

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 : 655215.7/9

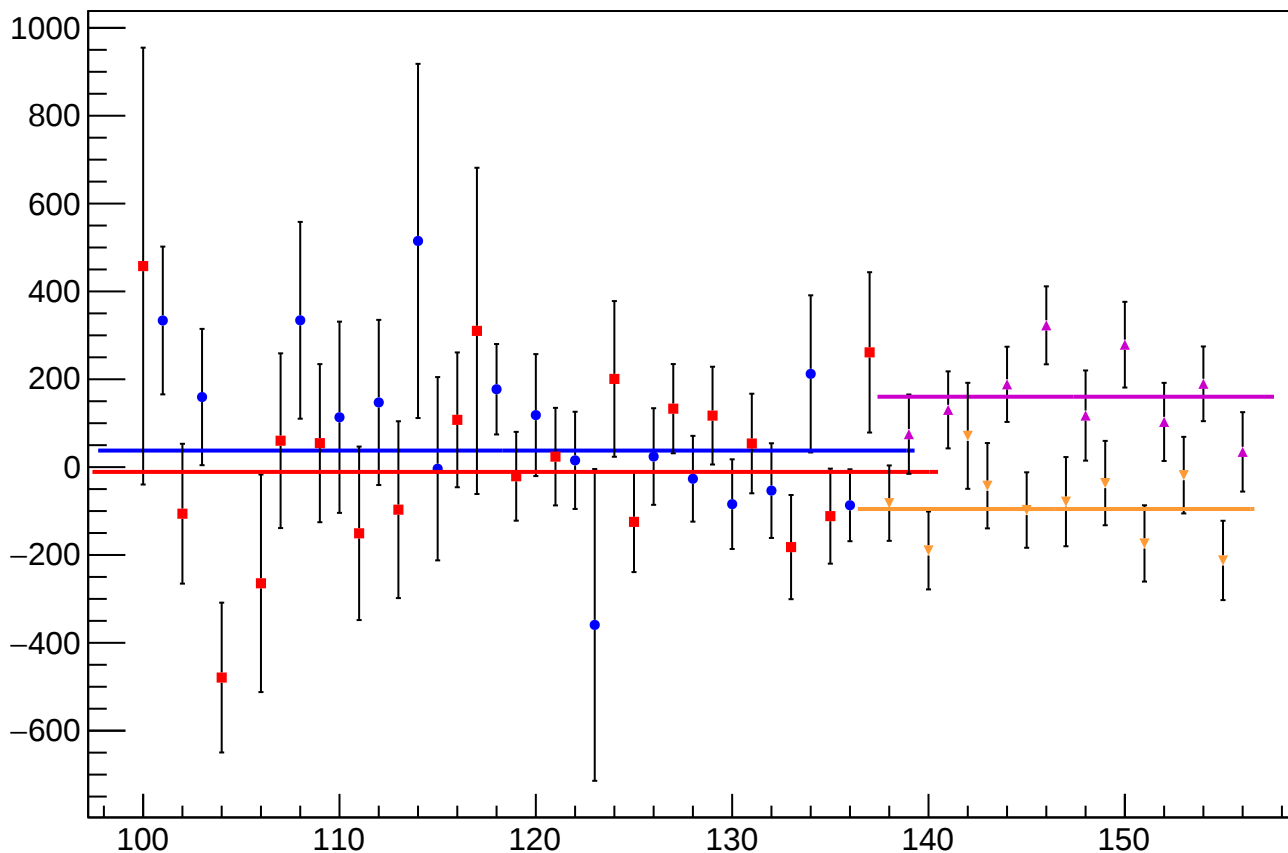
Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

Left In: 0.006+/-0.000 χ^2/NDF : 389596.3/8

0.006+/-0.000 χ^2/NDF : 2041855.3/26

0.006+/-0.000 χ^2/NDF : 2279517.0/28

reg_asym_sam1_mean vs Slug



Right In: 37.694 ± 32.253 χ^2/NDF : 16.7/16

Left Out: -95.354 ± 29.295 χ^2/NDF : 7.0/9

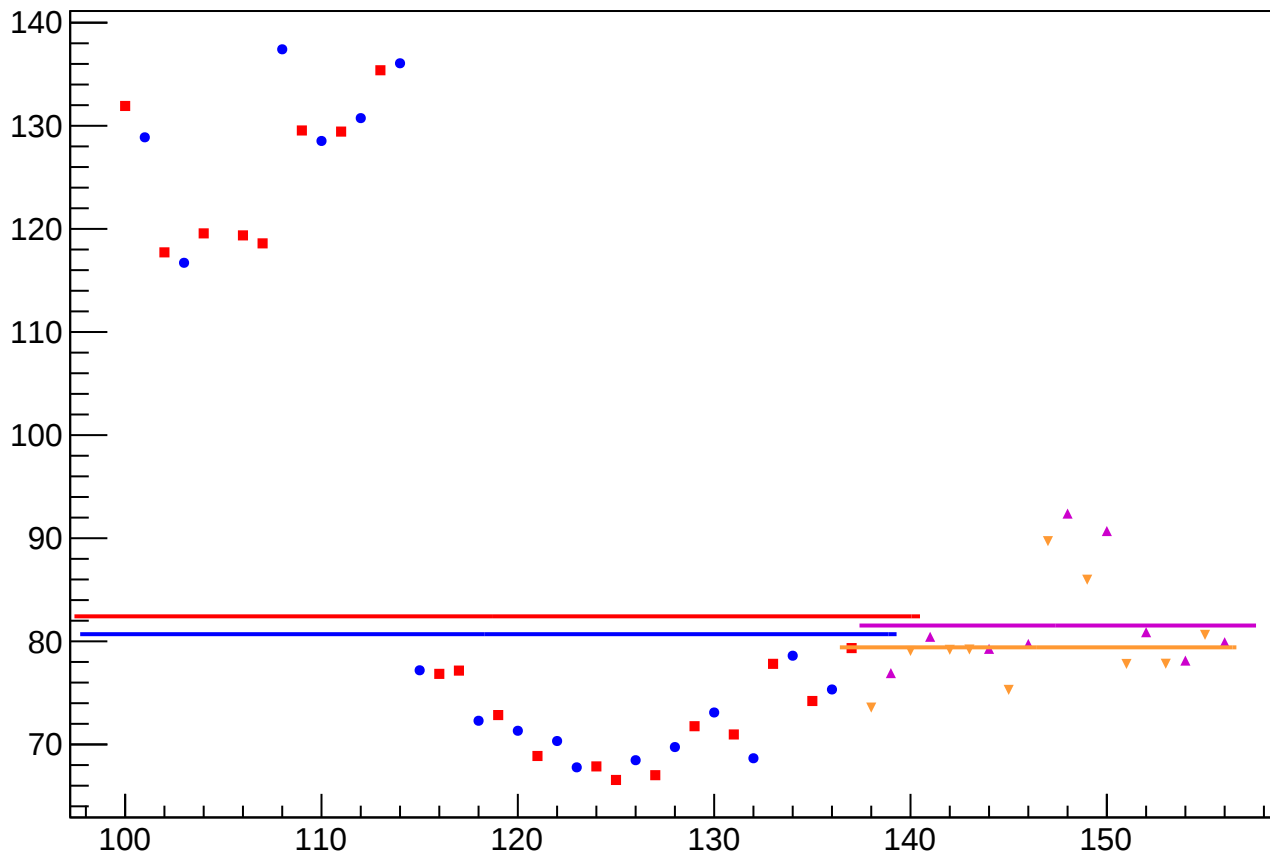
Right Out: -10.884 ± 31.947 χ^2/NDF : 23.5/19

Left In: 160.246 ± 30.107 χ^2/NDF : 8.6/8

-35.210 ± 21.685 χ^2/NDF : 33.1/26

79.750 ± 21.911 χ^2/NDF : 47.3/28

reg_asym_sam1_rms vs Slug



Right In: 80.694+/-0.023 χ^2/NDF : 814026.4/16

Left Out: 79.418+/-0.021 χ^2/NDF : 45554.7/9

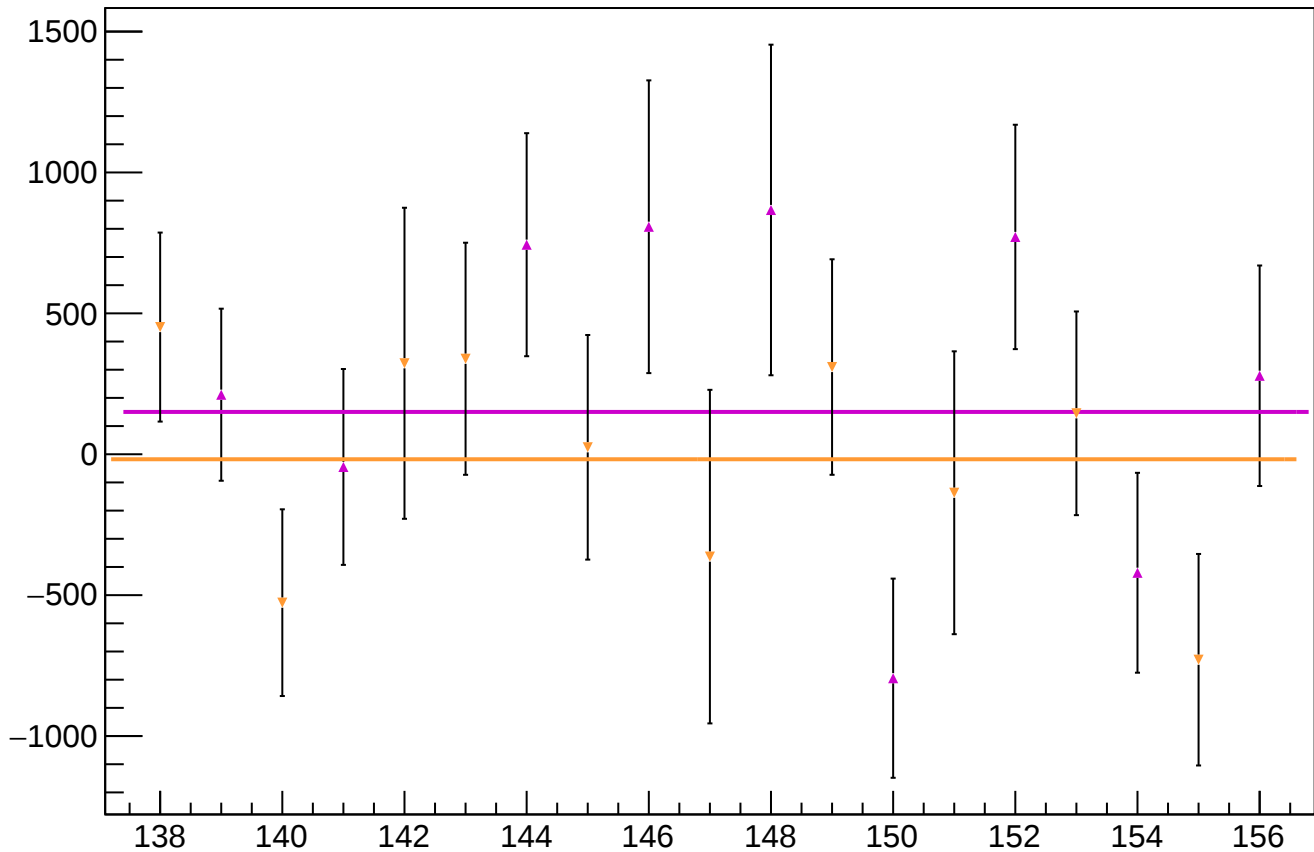
Right Out: 82.424+/-0.023 χ^2/NDF : 915282.5/19

Left In: 81.534+/-0.021 χ^2/NDF : 51690.0/8

79.995+/-0.015 χ^2/NDF : 861298.2/26

81.953+/-0.015 χ^2/NDF : 967795.9/28

asym_sam1_correction_mean vs Slug



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

Left Out: -17.764+/-127.106 χ^2/NDF : 10.4/9

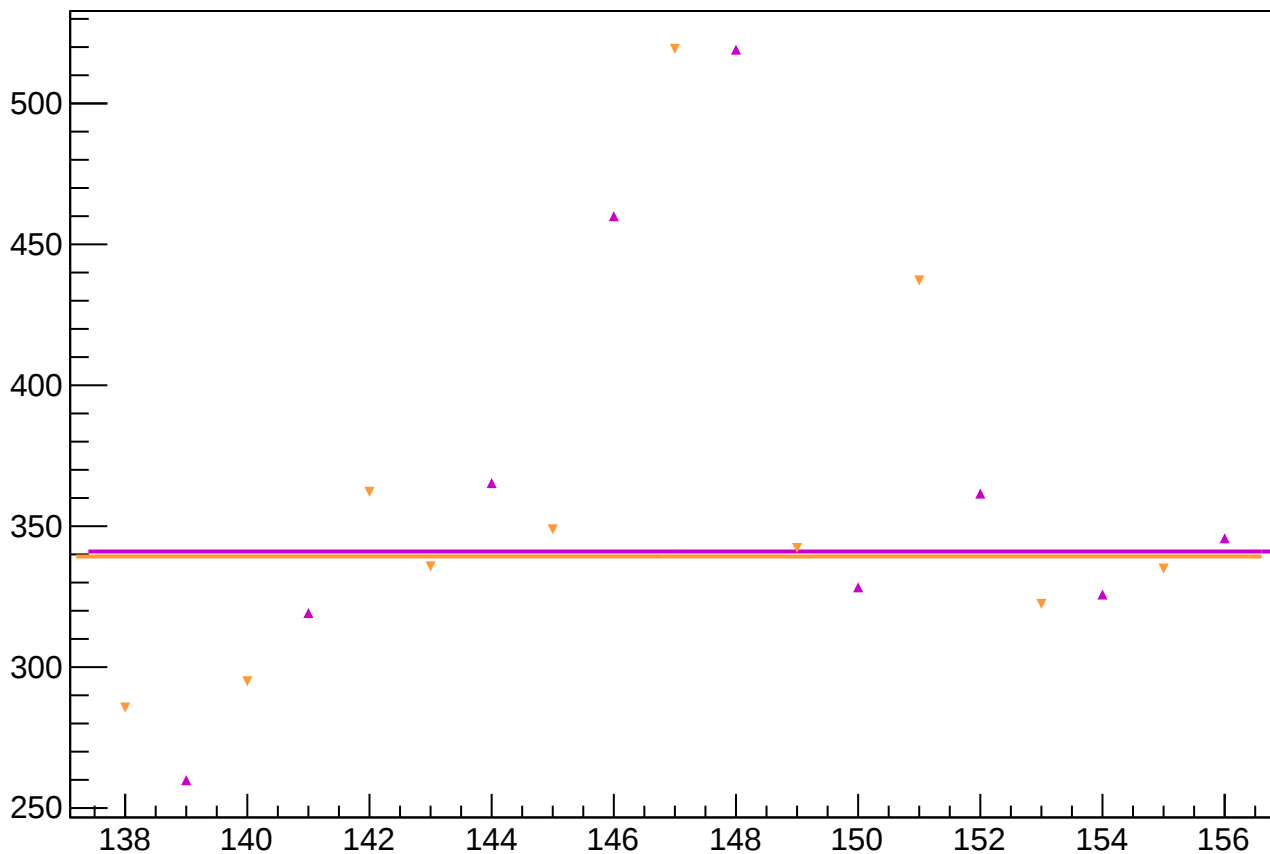
-17.764+/-127.106 χ^2/NDF : 10.4/9

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

150.197+/-128.245 χ^2/NDF : 18.0/8

Left In: 150.197+/-128.245 χ^2/NDF : 18.0/8

asym_sam1_correction_rms vs Slug



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

Left Out: 339.244+/-0.090 χ^2/NDF : 357654.4/9

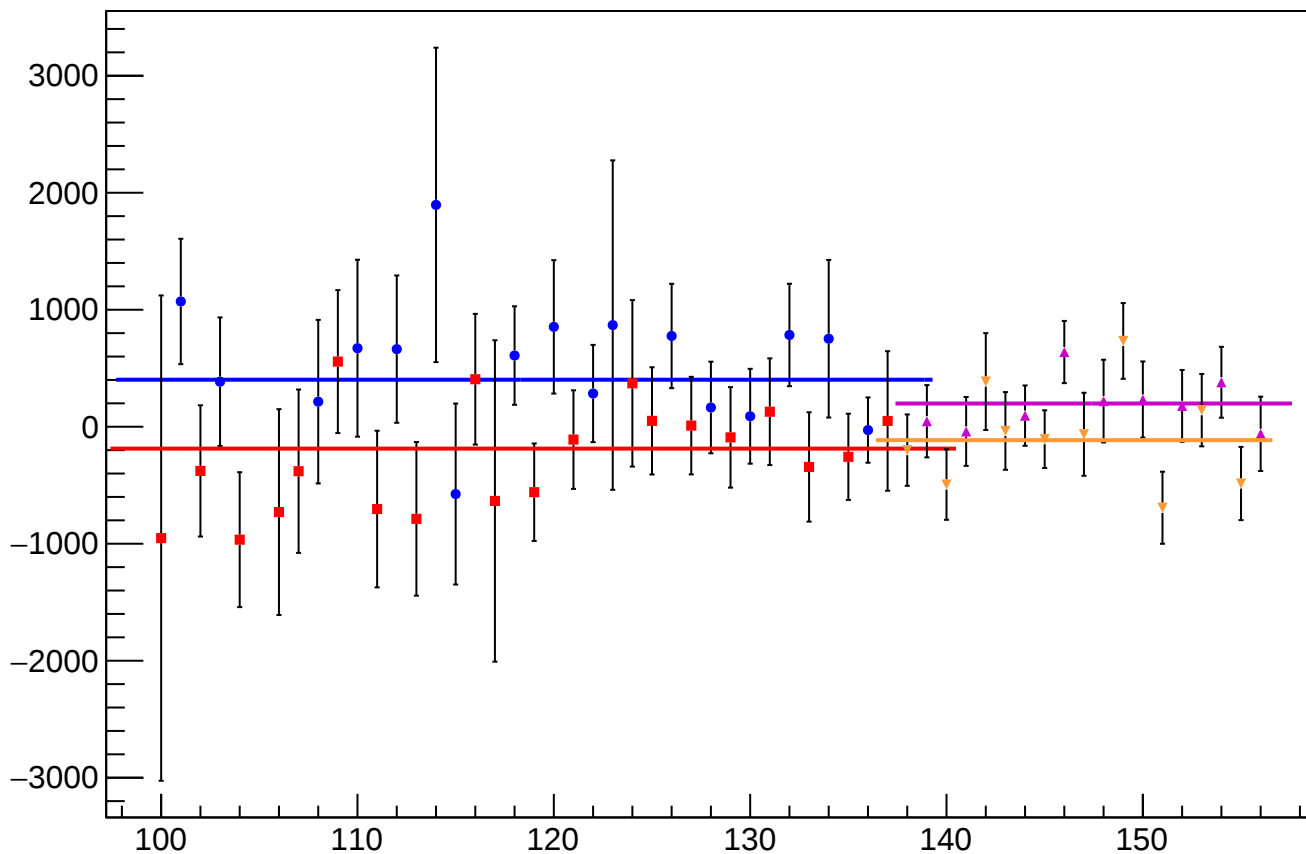
339.244+/-0.090 χ^2/NDF : 357654.4/9

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

341.022+/-0.091 χ^2/NDF : 457847.1/8

Left In: 341.022+/-0.091 χ^2/NDF : 457847.1/8

reg_asym_sam2_mean vs Slug



Right In: 401.871+/-121.048 χ^2/NDF : 10.9/16

Left Out: -114.727+/-99.116 χ^2/NDF :15.7/9

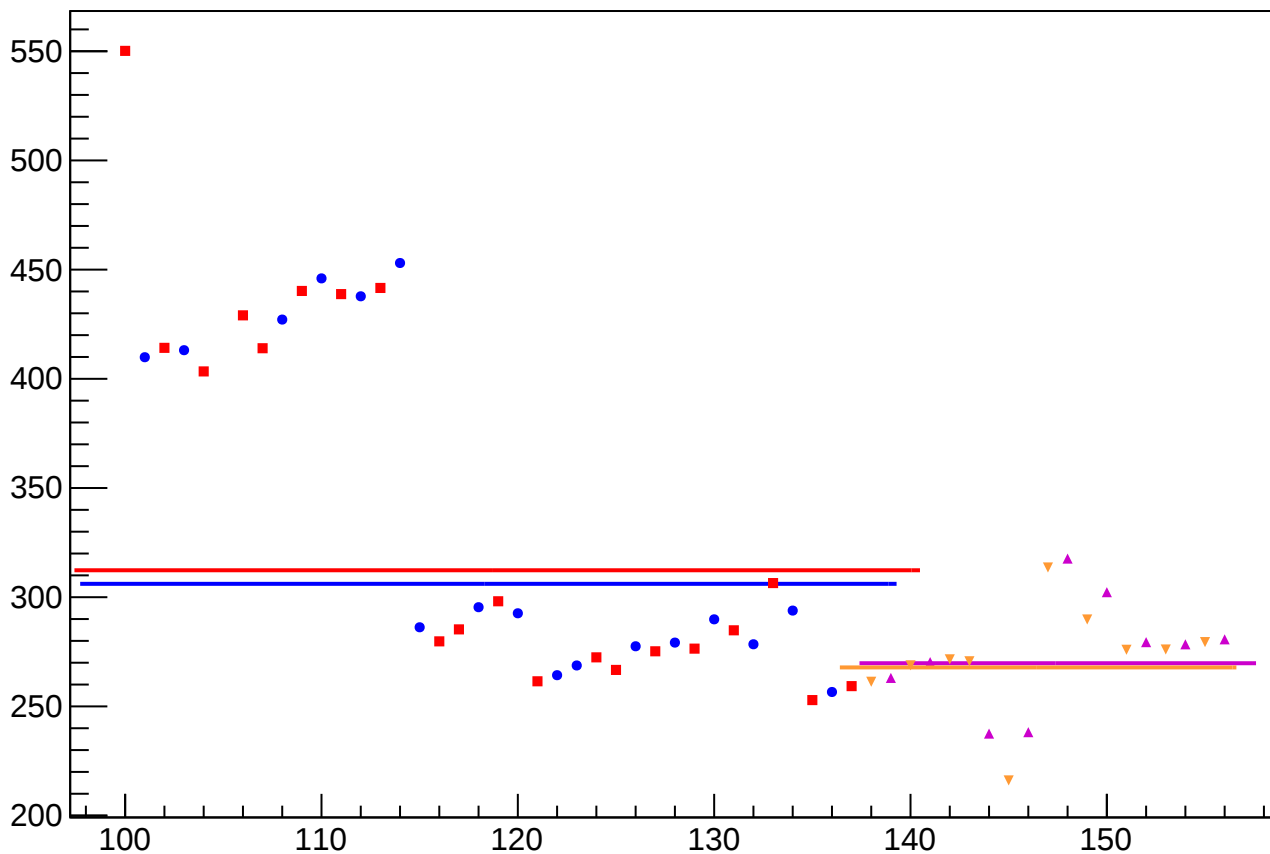
Right Out: -186.914+/-119.879 χ^2/NDF : 9.4/19

Left In: 198.614+/-99.939 χ^2/NDF :4.8/8

92.616+/-76.687 χ^2/NDF : 37.5/26

40.536+/-76.763 χ^2/NDF : 20.4/28

reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 267.845+/-0.070 χ^2/NDF : 137284.5/9

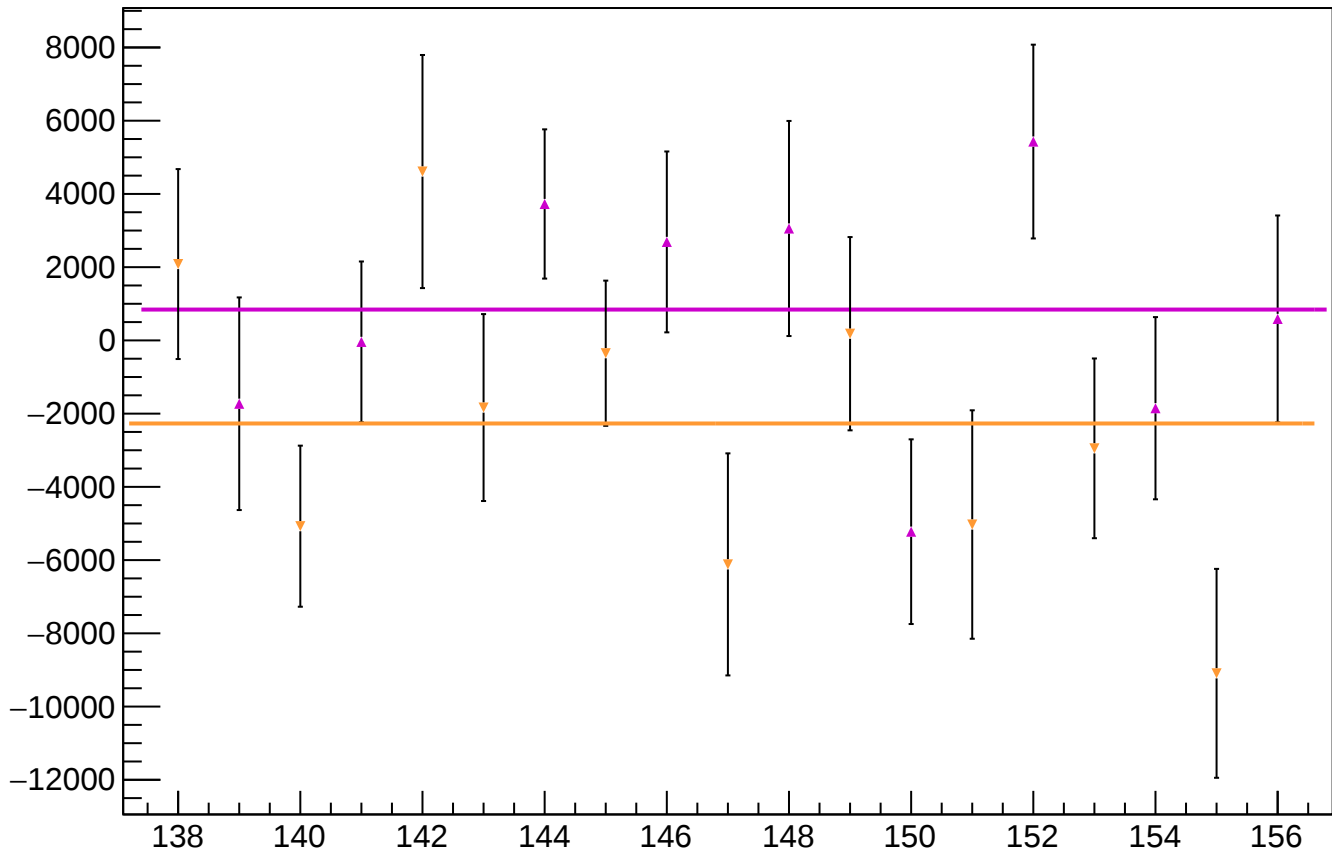
Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

Left In: 269.766+/-0.071 χ^2/NDF : 123212.8/8

283.208+/-0.054 χ^2/NDF : 765448.4/26

287.220+/-0.054 χ^2/NDF : 898549.3/28

asym_sam2_correction_mean vs Slug



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

Left Out: -2268.983+/-814.896 χ^2/NDF : 19.1/9

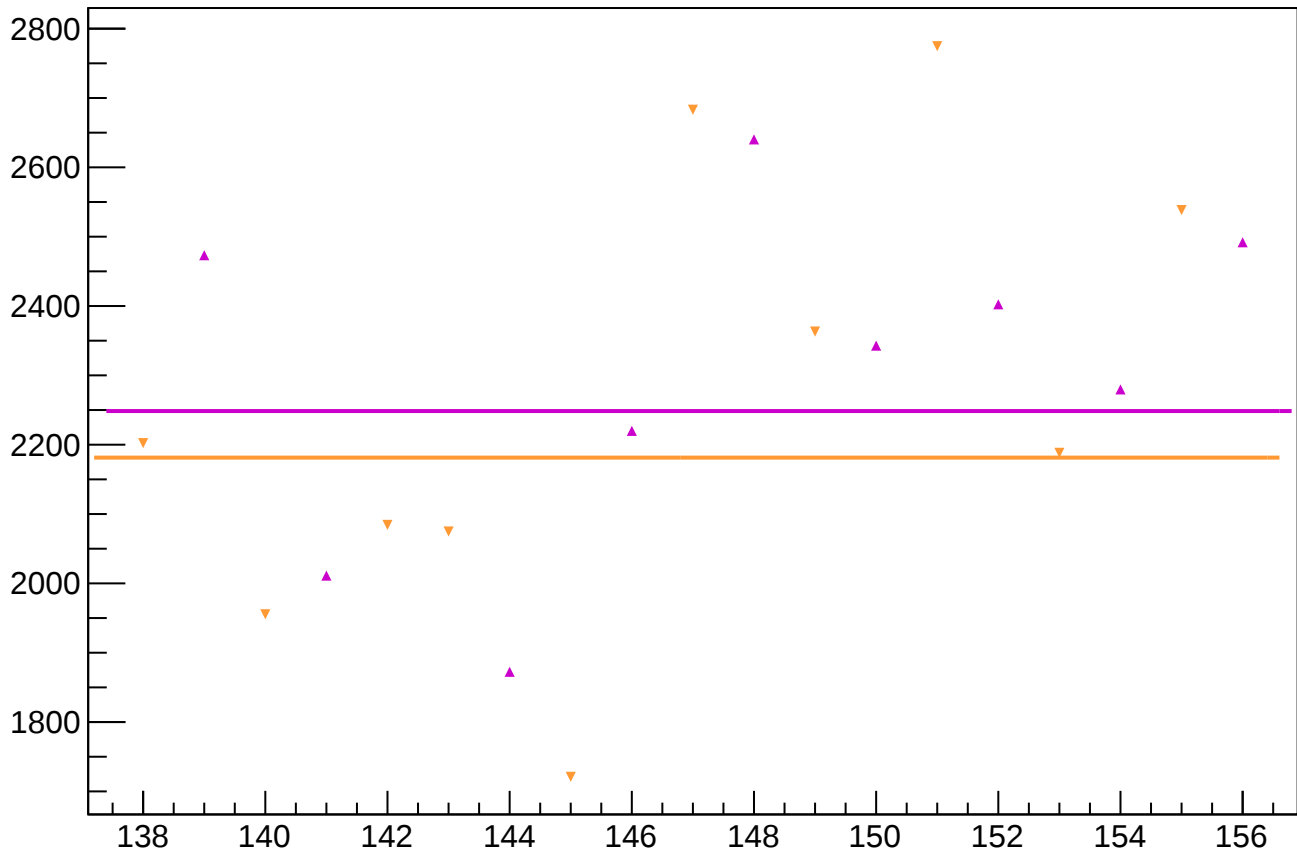
-2268.983+/-814.896 χ^2/NDF : 19.1/9

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

842.216+/-835.190 χ^2/NDF : 14.0/8

Left In: 842.216+/-835.190 χ^2/NDF : 14.0/8

asym_sam2_correction_rms vs Slug



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

Left Out: 2181.380+/-0.576 χ^2/NDF : 302337.7/9

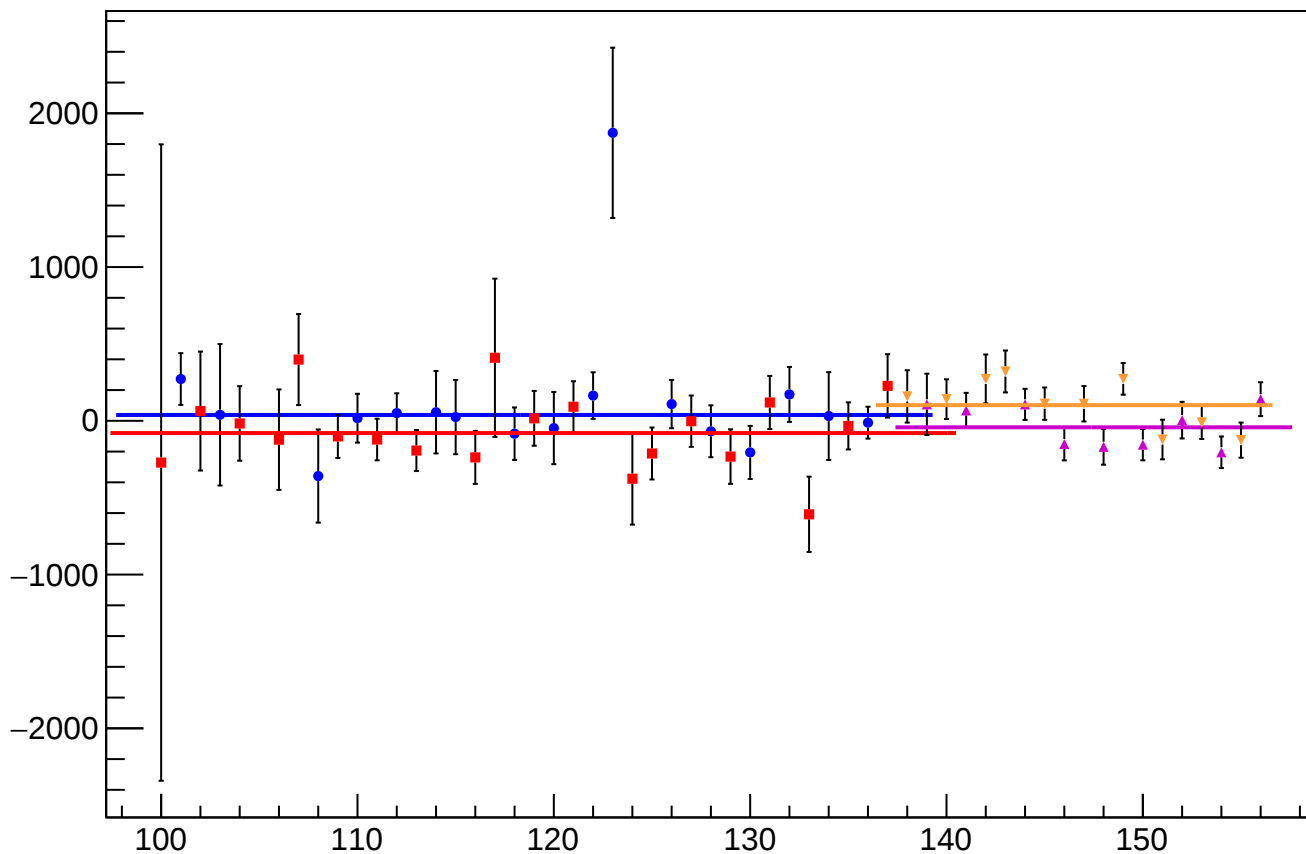
2181.380+/-0.576 χ^2/NDF : 302337.7/9

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

2248.526+/-0.591 χ^2/NDF : 164035.7/8

Left In: 2248.526+/-0.591 χ^2/NDF : 164035.7/8

reg_asym_sam3_mean vs Slug



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 101.973+/-38.602 χ^2/NDF : 14.8/9

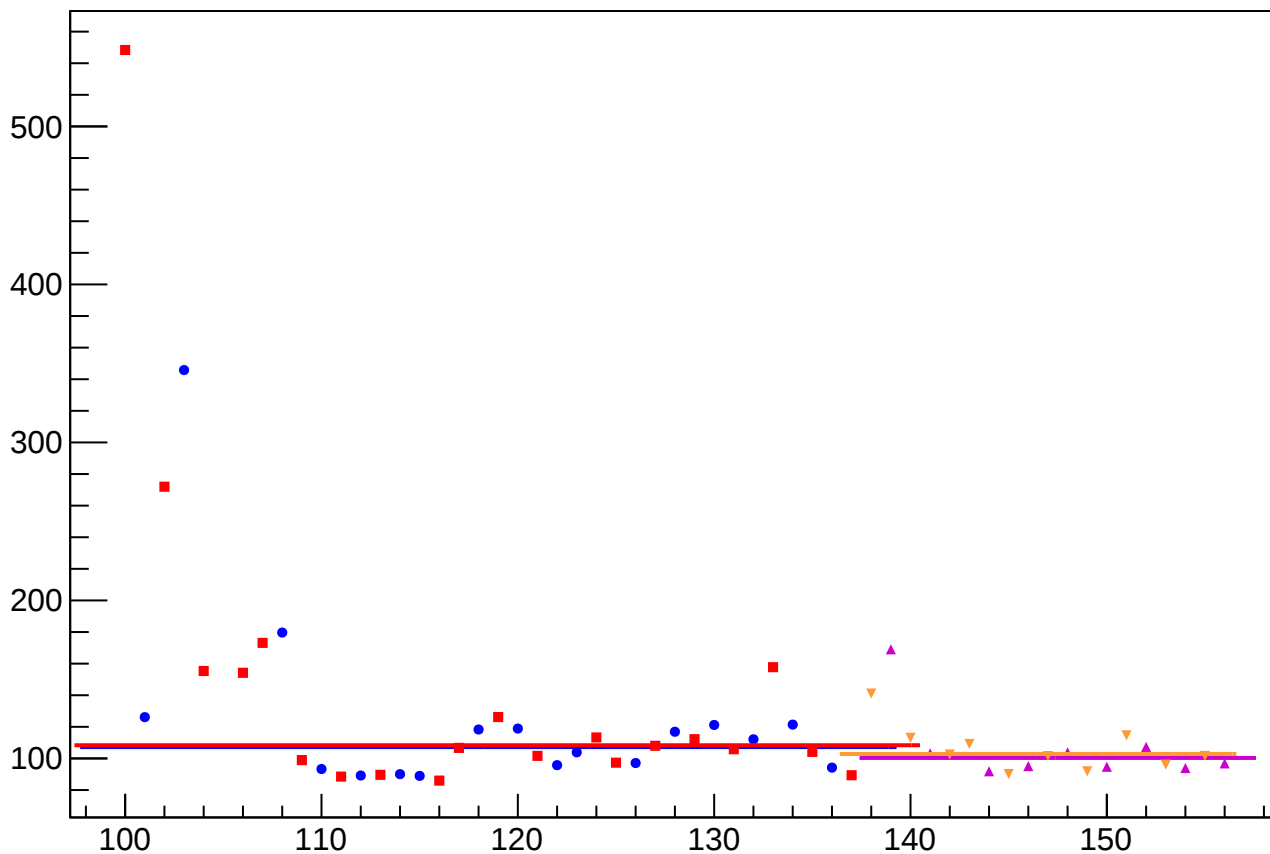
Right Out: -79.665+/-42.948 χ^2/NDF : 17.6/19

Left In: -42.296+/-37.649 χ^2/NDF : 12.5/8

73.880+/-28.887 χ^2/NDF : 35.3/26

-58.534+/-28.311 χ^2/NDF : 30.6/28

reg_asym_sam3_rms vs Slug



Right In: 107.189+/-0.031 χ^2/NDF : 843115.1/16

Left Out: 102.842+/-0.027 χ^2/NDF :194637.2/9

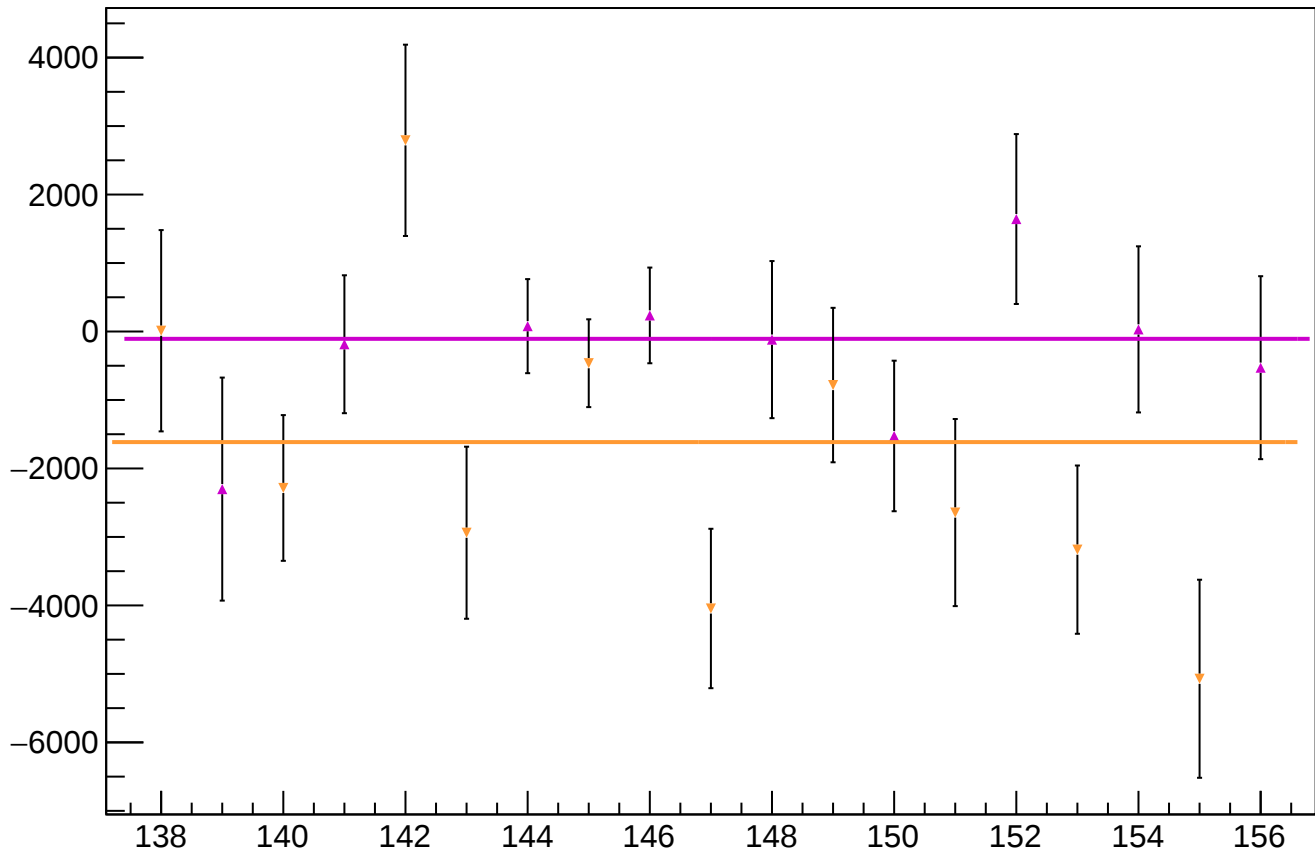
Right Out: 108.347+/-0.030 χ^2/NDF : 917309.2/19

Left In: 100.313+/-0.027 χ^2/NDF :282436.4/8

104.755+/-0.020 χ^2/NDF : 1048911.2/26

103.804+/-0.020 χ^2/NDF : 1239316.2/28

asym_sam3_correction_mean vs Slug



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

Left Out: -1614.850+/-350.809 χ^2/NDF : 28.7/9

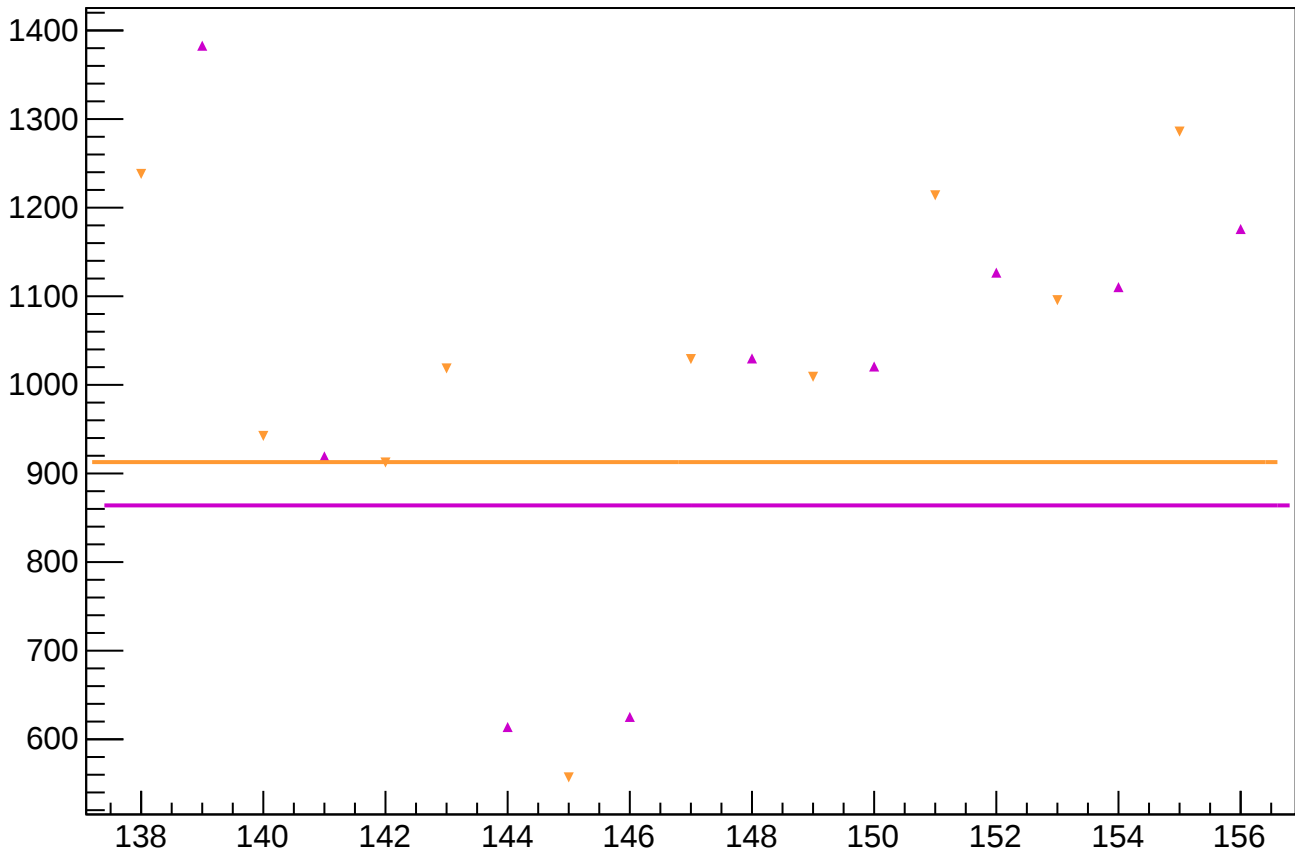
-1614.850+/-350.809 χ^2/NDF : 28.7/9

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

-107.006+/-333.176 χ^2/NDF : 5.9/8

Left In: -107.006+/-333.176 χ^2/NDF : 5.9/8

asym_sam3_correction_rms vs Slug



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

Left Out: 912.832+/-0.248 χ^2/NDF : 1038695.4/9

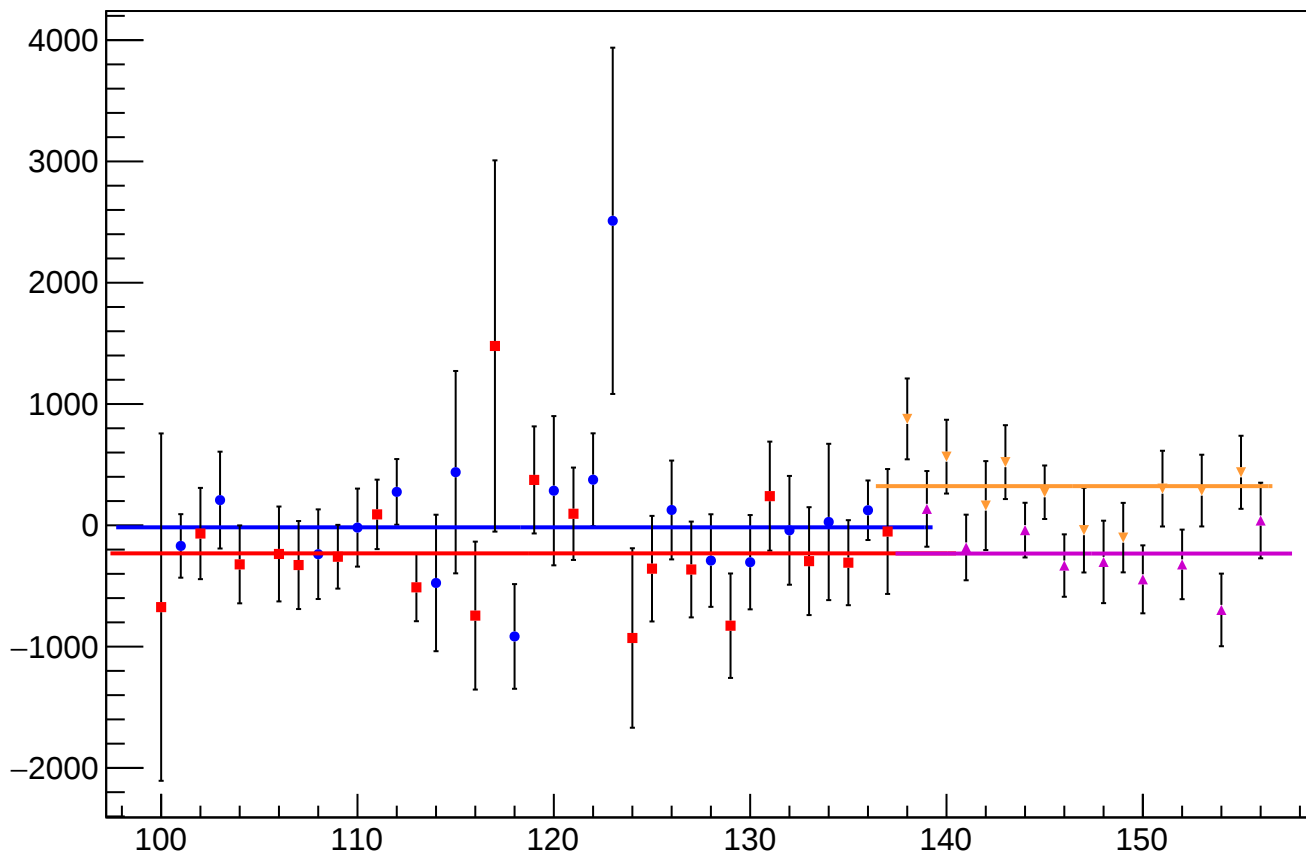
912.832+/-0.248 χ^2/NDF : 1038695.4/9

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

863.960+/-0.236 χ^2/NDF : 1071423.7/8

Left In: 863.960+/-0.236 χ^2/NDF : 1071423.7/8

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 323.059 ± 94.617 $\chi^2/\text{NDF}: 7.5/9$

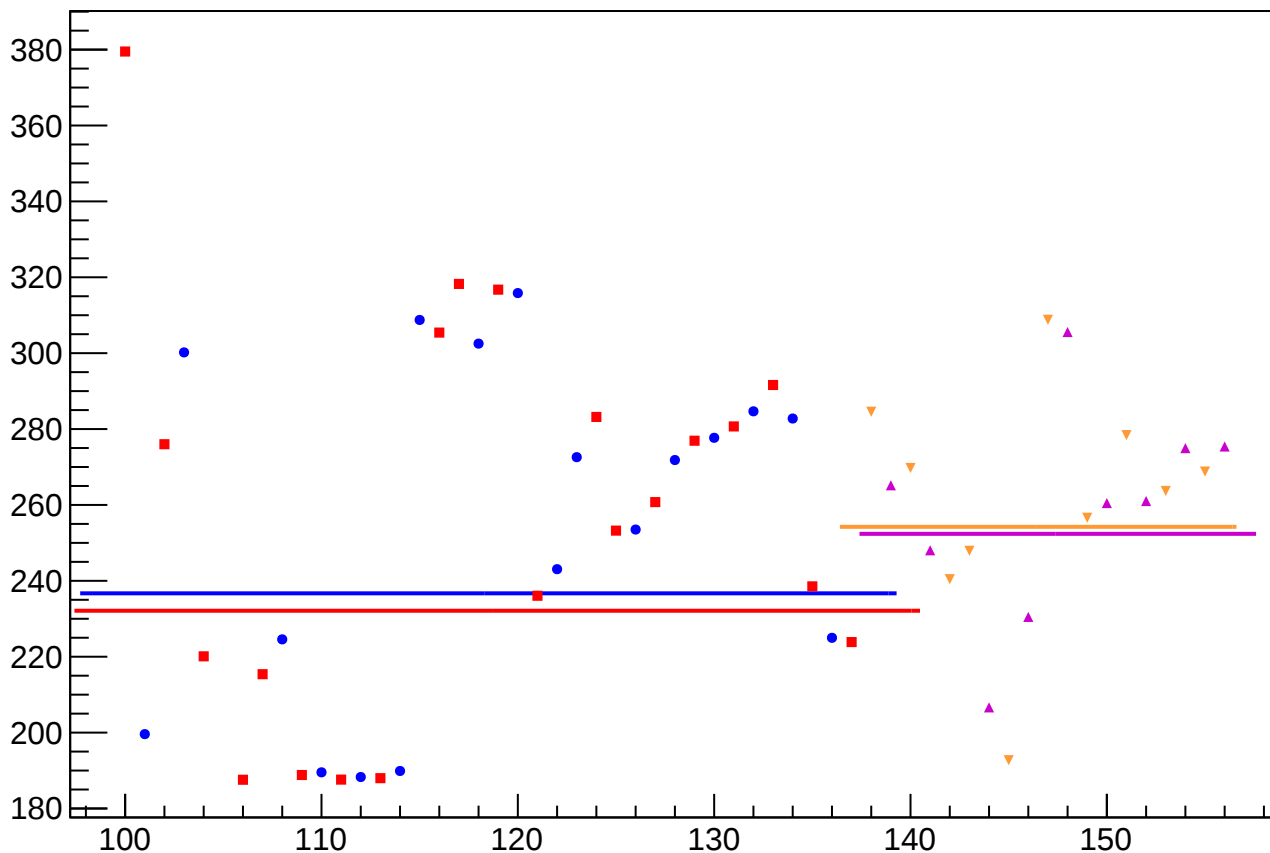
Right Out: -231.209 ± 88.787 $\chi^2/\text{NDF}: 11.6/19$

Left In: -232.746 ± 93.771 $\chi^2/\text{NDF}: 6.2/8$

150.893 ± 66.428 $\chi^2/\text{NDF}: 27.5/26$

-231.935 ± 64.472 $\chi^2/\text{NDF}: 17.8/28$

reg_asym_sam4_rms vs Slug



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 254.233+/-0.067 χ^2/NDF : 248649.0/9

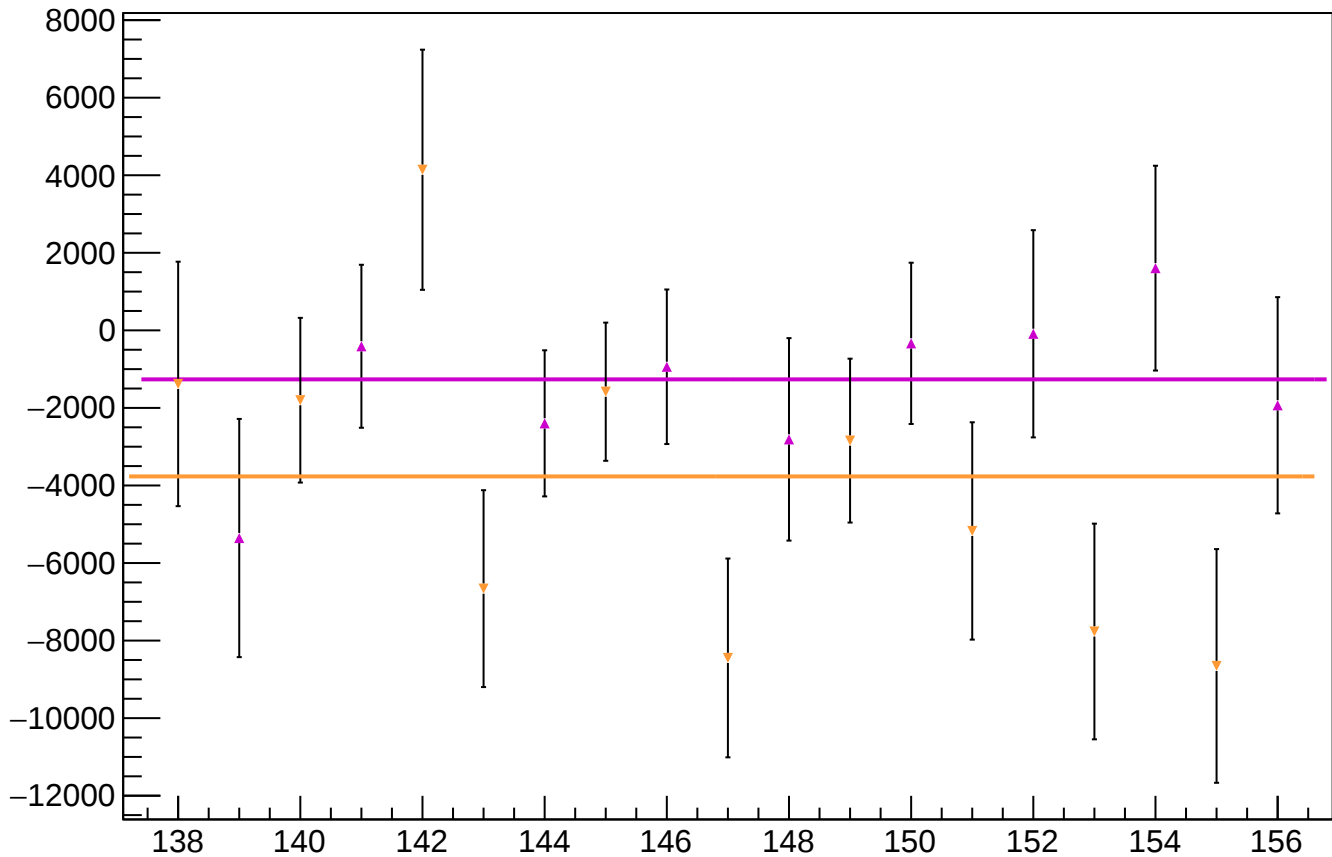
Right Out: 232.119+/-0.063 χ^2/NDF : 449633.1/19

Left In: 252.384+/-0.066 χ^2/NDF : 175443.5/8

245.345+/-0.047 χ^2/NDF : 673794.3/26

241.699+/-0.046 χ^2/NDF : 674328.3/28

asym_sam4_correction_mean vs Slug



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

Left Out: -3766.645+/-780.929 χ^2/NDF : 19.2/9

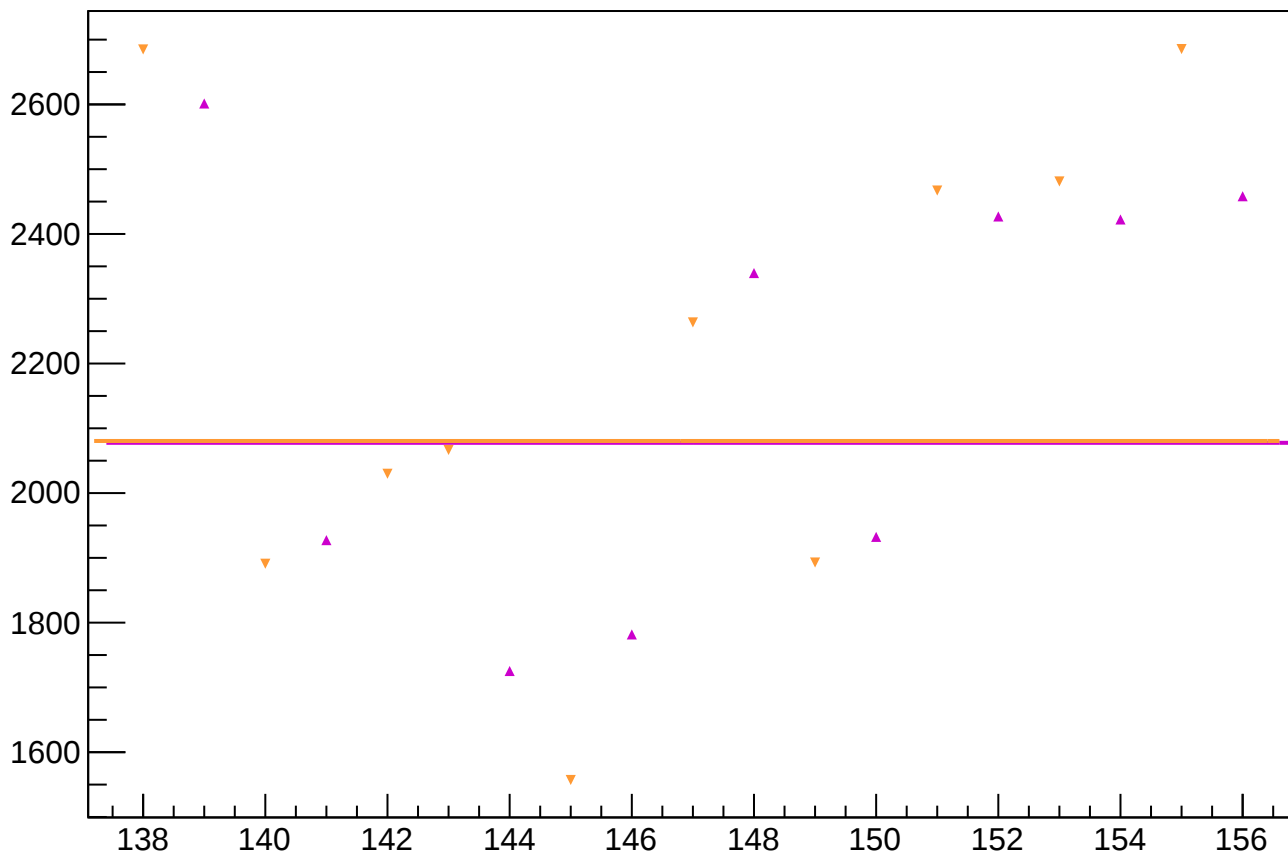
-3766.645+/-780.929 χ^2/NDF : 19.2/9

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

-1263.924+/-777.038 χ^2/NDF : 4.3/8

Left In: -1263.924+/-777.038 χ^2/NDF : 4.3/8

asym_sam4_correction_rms vs Slug



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

Left Out: 2080.447+/-0.552 χ^2/NDF : 448772.9/9

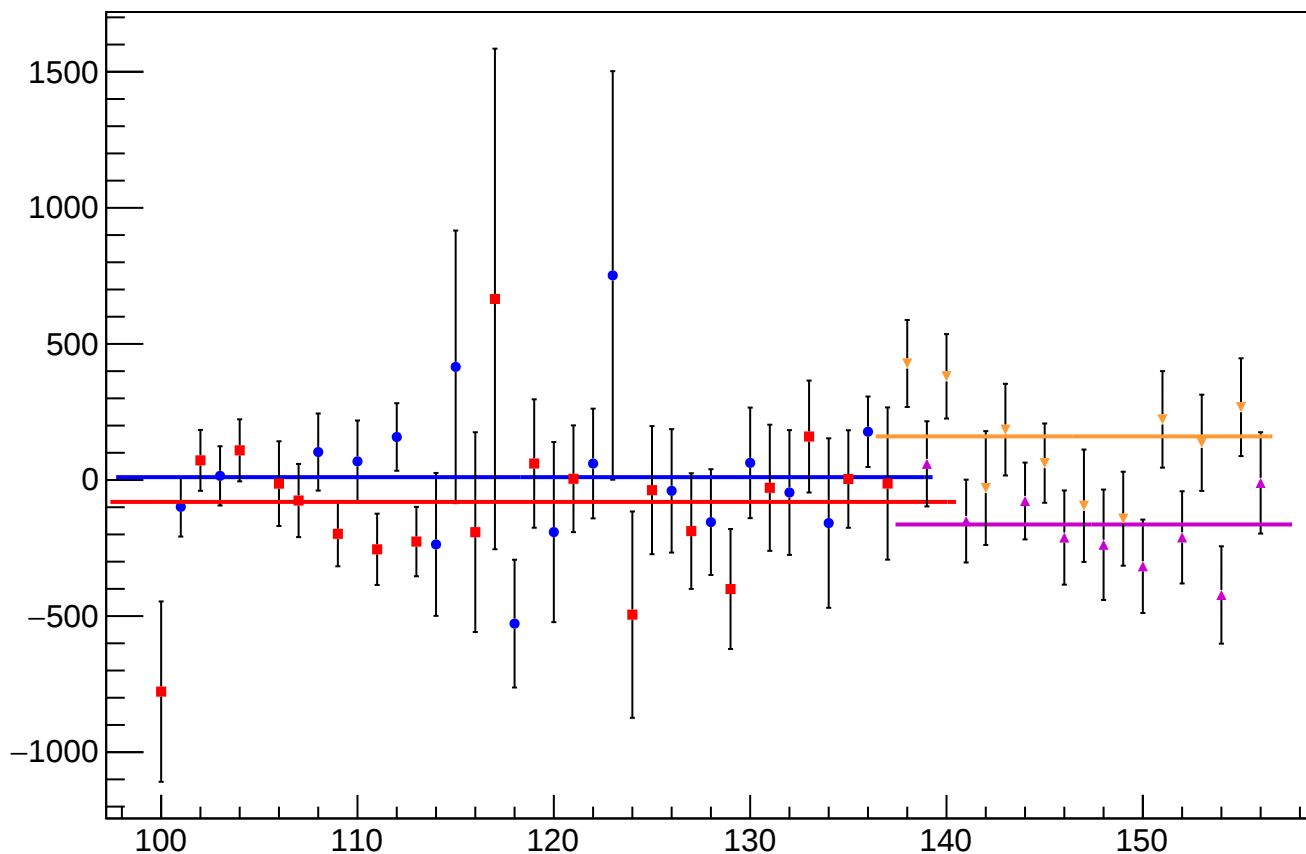
2080.447+/-0.552 χ^2/NDF : 448772.9/9

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

2077.602+/-0.549 χ^2/NDF : 317878.0/8

Left In: 2077.602+/-0.549 χ^2/NDF : 317878.0/8

reg_asym_sam5_mean vs Slug



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 160.216+/-54.414 χ^2/NDF : 11.2/9

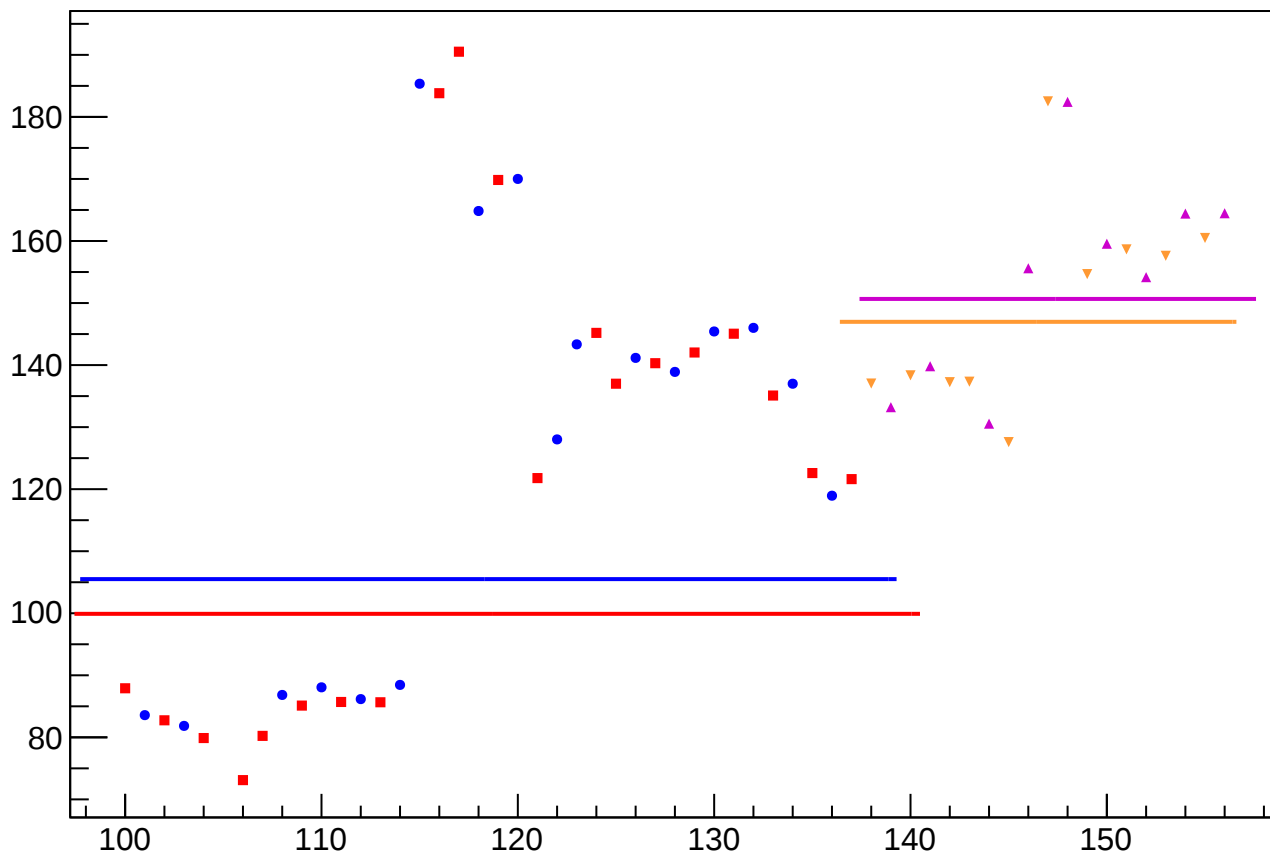
Right Out: -80.462+/-38.950 χ^2/NDF : 19.9/19

Left In: -163.349+/-55.825 χ^2/NDF : 6.3/8

66.905+/-33.393 χ^2/NDF : 30.0/26

-107.600+/-31.943 χ^2/NDF : 27.6/28

reg_asym_sam5_rms vs Slug



Right In: 105.503+/-0.030 χ^2/NDF : 869022.6/16

Left Out: 146.973+/-0.038 χ^2/NDF : 150719.3/9

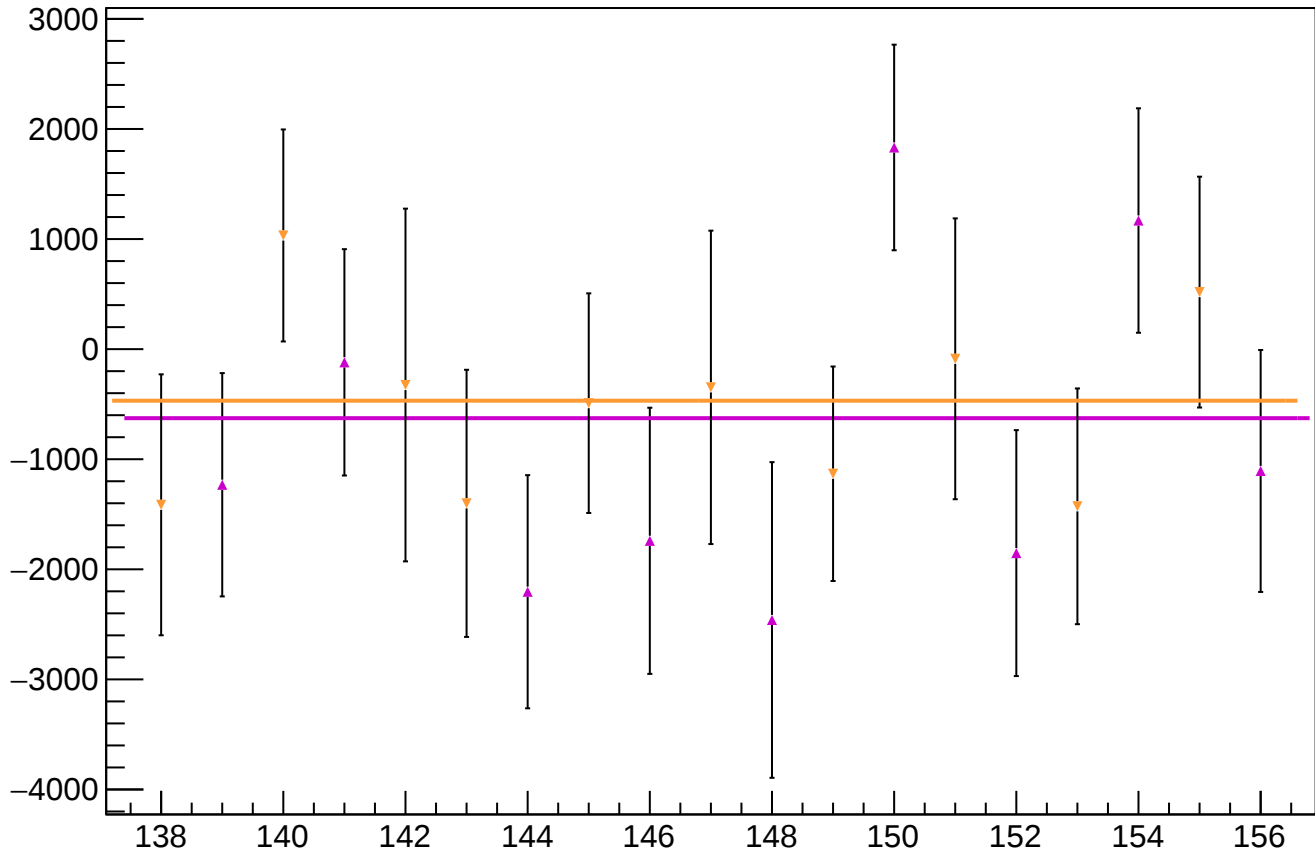
Right Out: 99.907+/-0.028 χ^2/NDF : 1019545.3/19

Left In: 150.663+/-0.039 χ^2/NDF : 155406.6/8

121.121+/-0.024 χ^2/NDF : 1743915.1/26

116.525+/-0.023 χ^2/NDF : 2286919.0/28

asym_sam5_correction_mean vs Slug



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

Left Out: -468.281+/-357.882 χ^2/NDF : 5.9/9

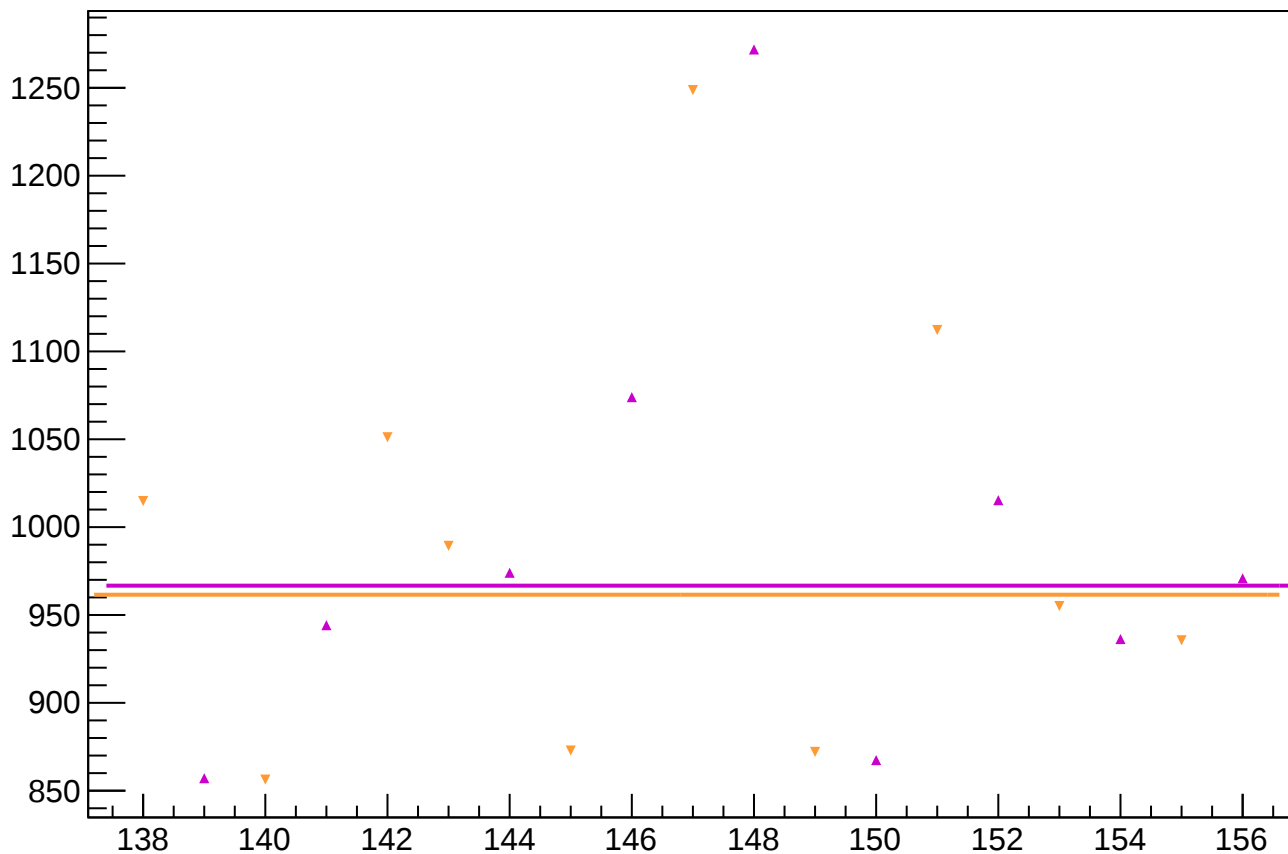
-468.281+/-357.882 χ^2/NDF : 5.9/9

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

-627.070+/-359.928 χ^2/NDF : 16.7/8

Left In: -627.070+/-359.928 χ^2/NDF : 16.7/8

asym_sam5_correction_rms vs Slug



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

Left Out: 961.536+/-0.253 χ^2/NDF : 178502.0/9

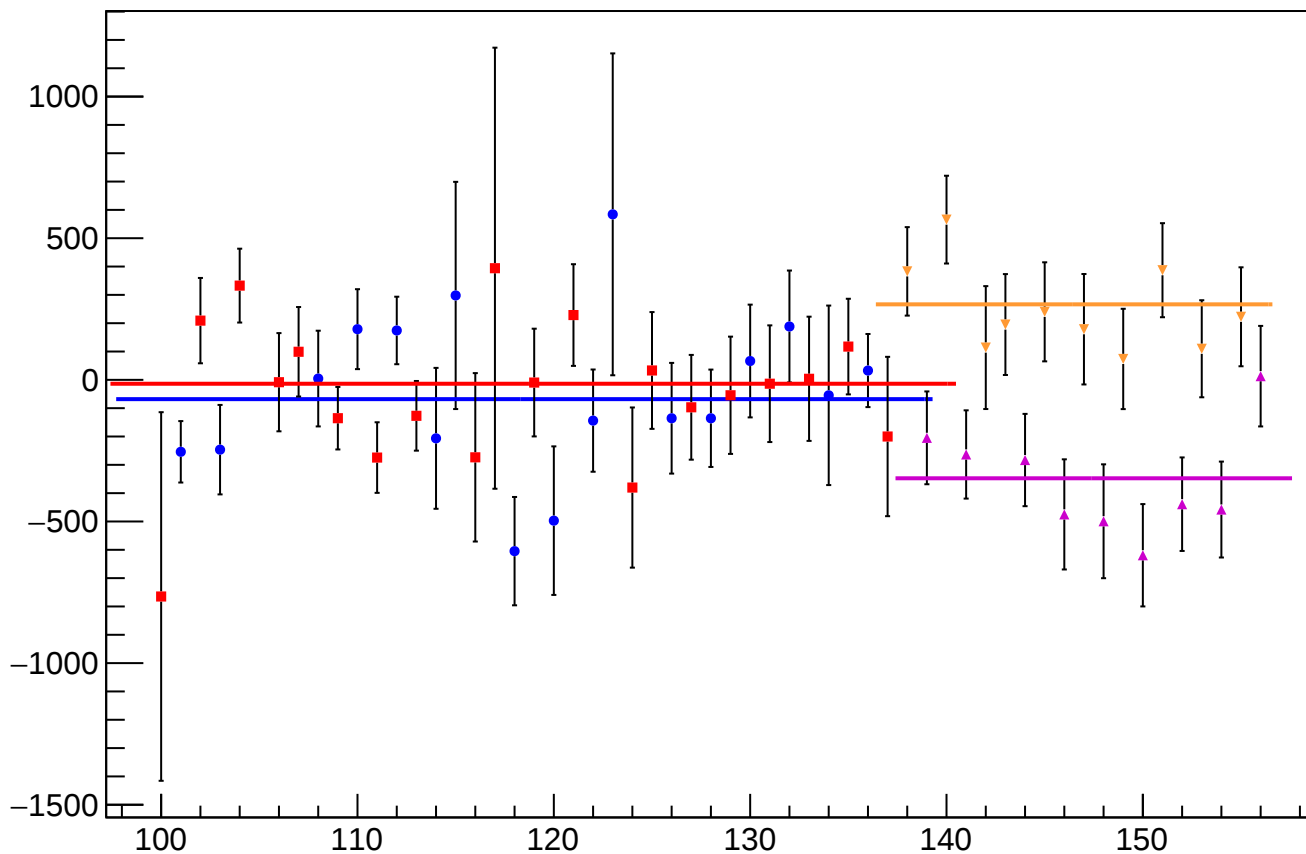
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 966.692+/-0.255 χ^2/NDF : 158952.9/8

961.536+/-0.253 χ^2/NDF : 178502.0/9

966.692+/-0.255 χ^2/NDF : 158952.9/8

reg_asym_sam6_mean vs Slug



Right In: -68.111+/-42.265 χ^2/NDF : 27.8/16

Left Out: 266.563+/-55.092 χ^2/NDF : 7.8/9

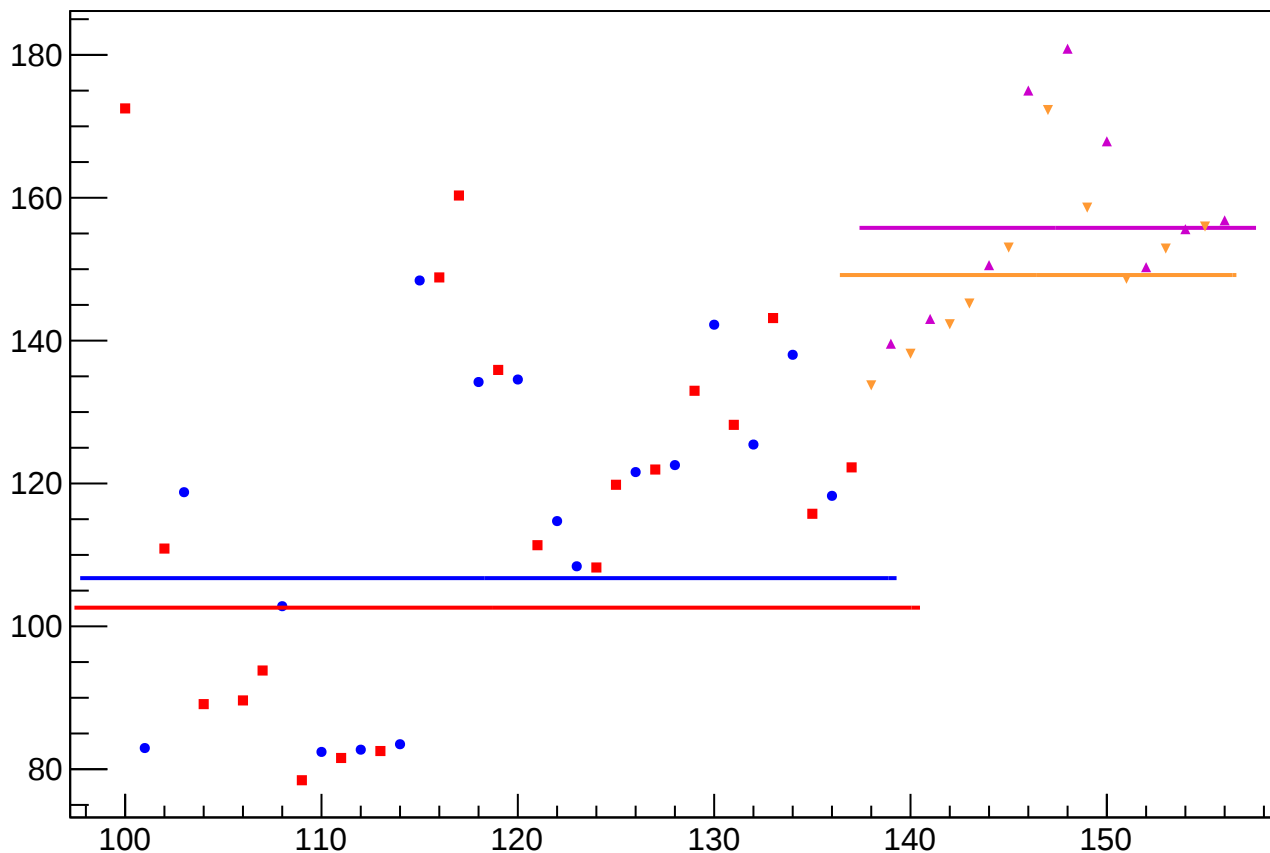
Right Out: -13.752+/-39.416 χ^2/NDF : 23.4/19

Left In: -347.509+/-57.608 χ^2/NDF : 9.3/8

55.885+/-33.534 χ^2/NDF : 58.8/26

-120.177+/-32.530 χ^2/NDF : 55.6/28

reg_asym_sam6_rms vs Slug



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 149.183 $\pm$ 0.039 χ^2 /NDF: 71399.5/9

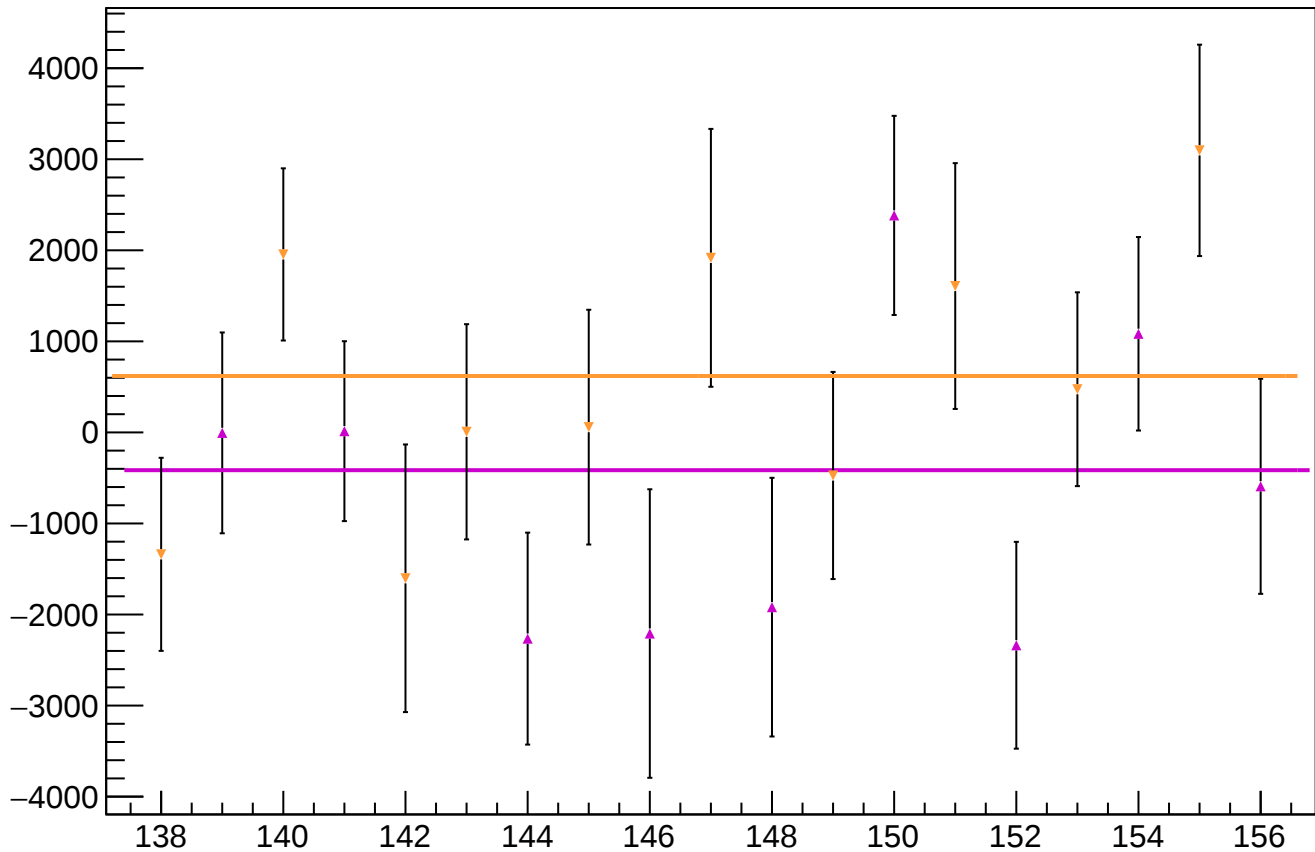
Right Out: 102.615 $\pm$ 0.028 χ^2 /NDF: 600357.6/19

Left In: 155.786 $\pm$ 0.041 χ^2 /NDF: 97037.7/8

122.471 $\pm$ 0.024 χ^2 /NDF: 1320059.2/26

119.570 $\pm$ 0.023 χ^2 /NDF: 1857911.8/28

asym_sam6_correction_mean vs Slug



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

Left Out: 619.784+/-371.786 χ^2/NDF : 15.0/9

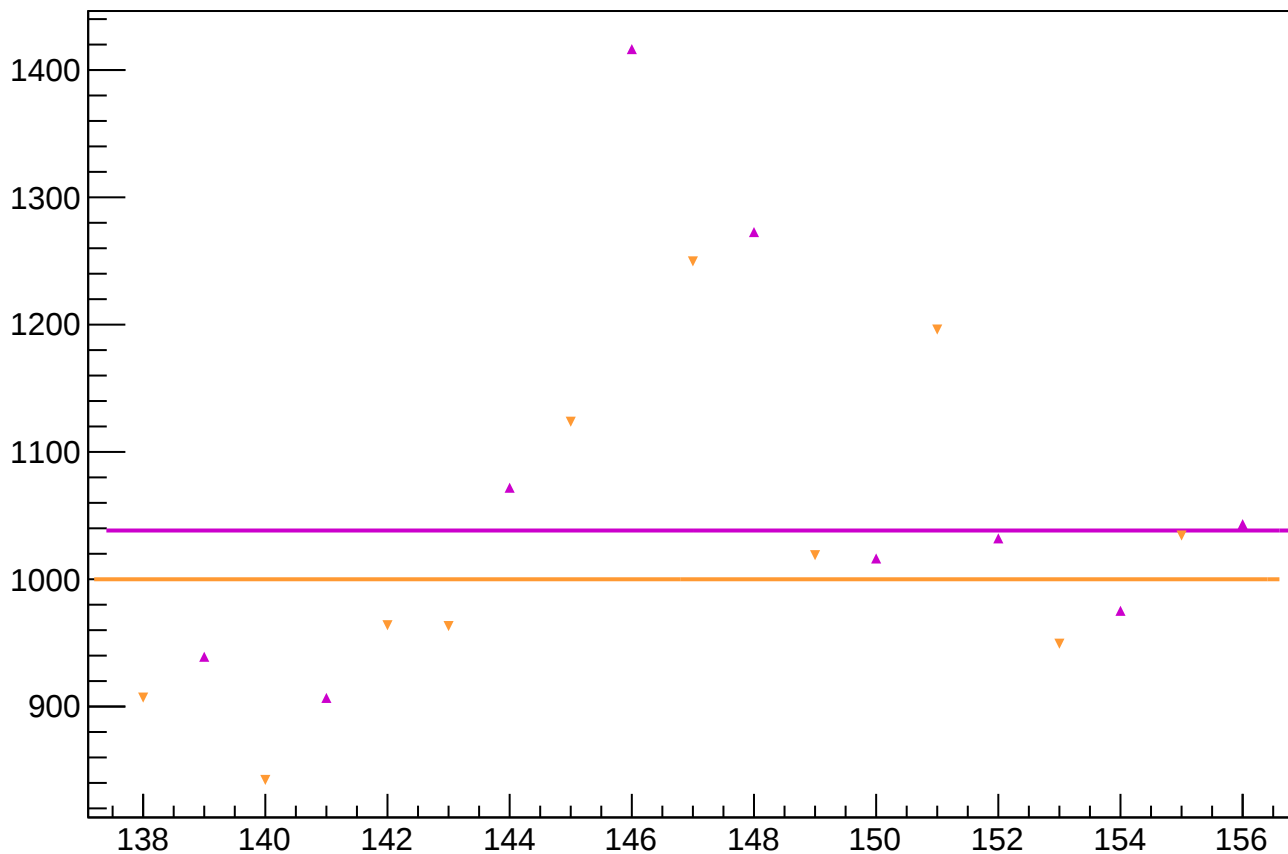
619.784+/-371.786 χ^2/NDF : 15.0/9

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

-414.844+/-386.536 χ^2/NDF : 16.7/8

Left In: -414.844+/-386.536 χ^2/NDF : 16.7/8

asym_sam6_correction_rms vs Slug



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

Left Out: 999.974+/-0.263 χ^2/NDF : 203807.4/9

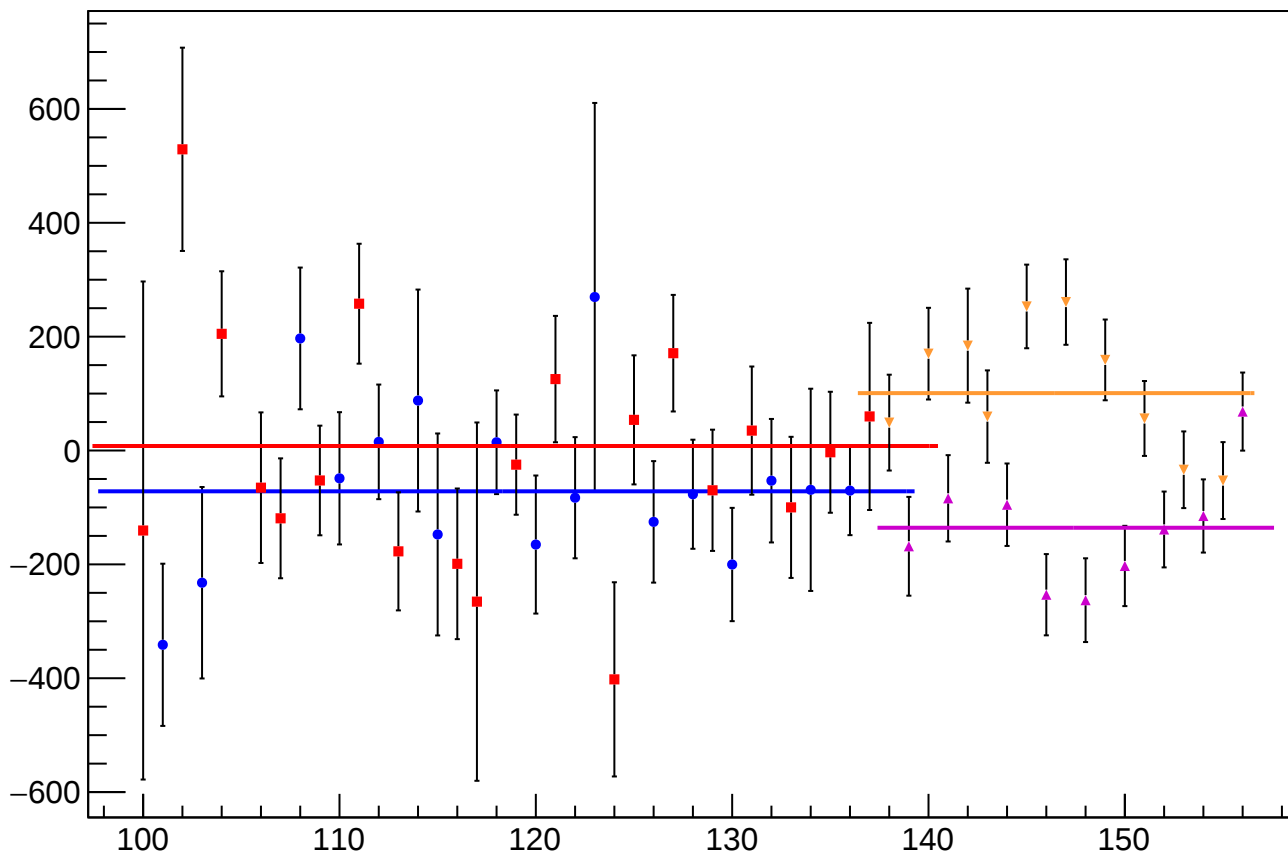
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1038.279+/-0.273 χ^2/NDF : 229639.9/8

999.974+/-0.263 χ^2/NDF : 203807.4/9

1038.279+/-0.273 χ^2/NDF : 229639.9/8

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 χ^2/NDF : 15.2/16

Left Out: 100.808 ± 23.709 χ^2/NDF : 21.2/9

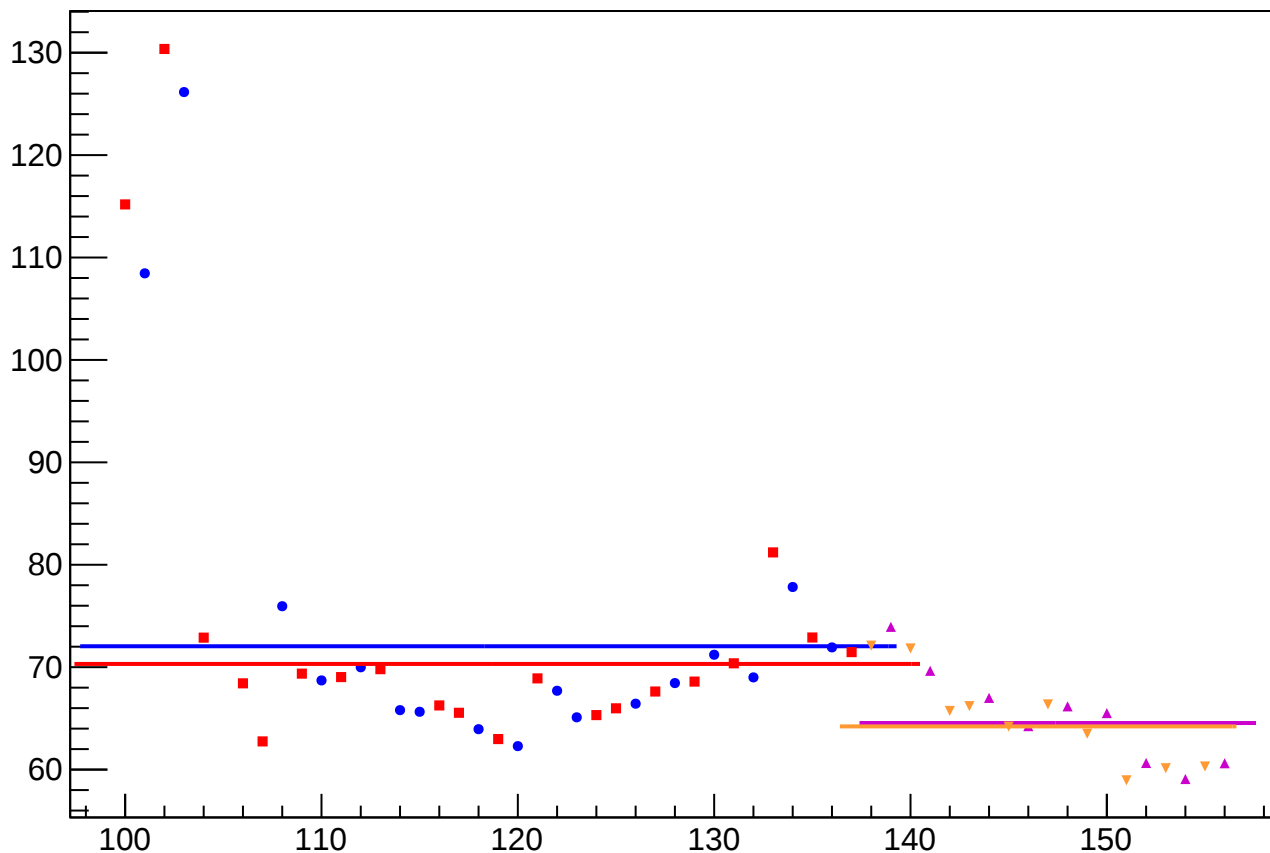
Right Out: 7.933 ± 26.719 χ^2/NDF : 37.2/19

Left In: -135.681 ± 23.839 χ^2/NDF : 16.5/8

29.850 ± 18.189 χ^2/NDF : 58.2/26

-72.029 ± 17.788 χ^2/NDF : 69.8/28

reg_asym_sam7_rms vs Slug



Right In: 72.042+/-0.020 χ^2/NDF : 391971.7/16

Left Out: 64.217+/-0.017 χ^2/NDF : 65786.4/9

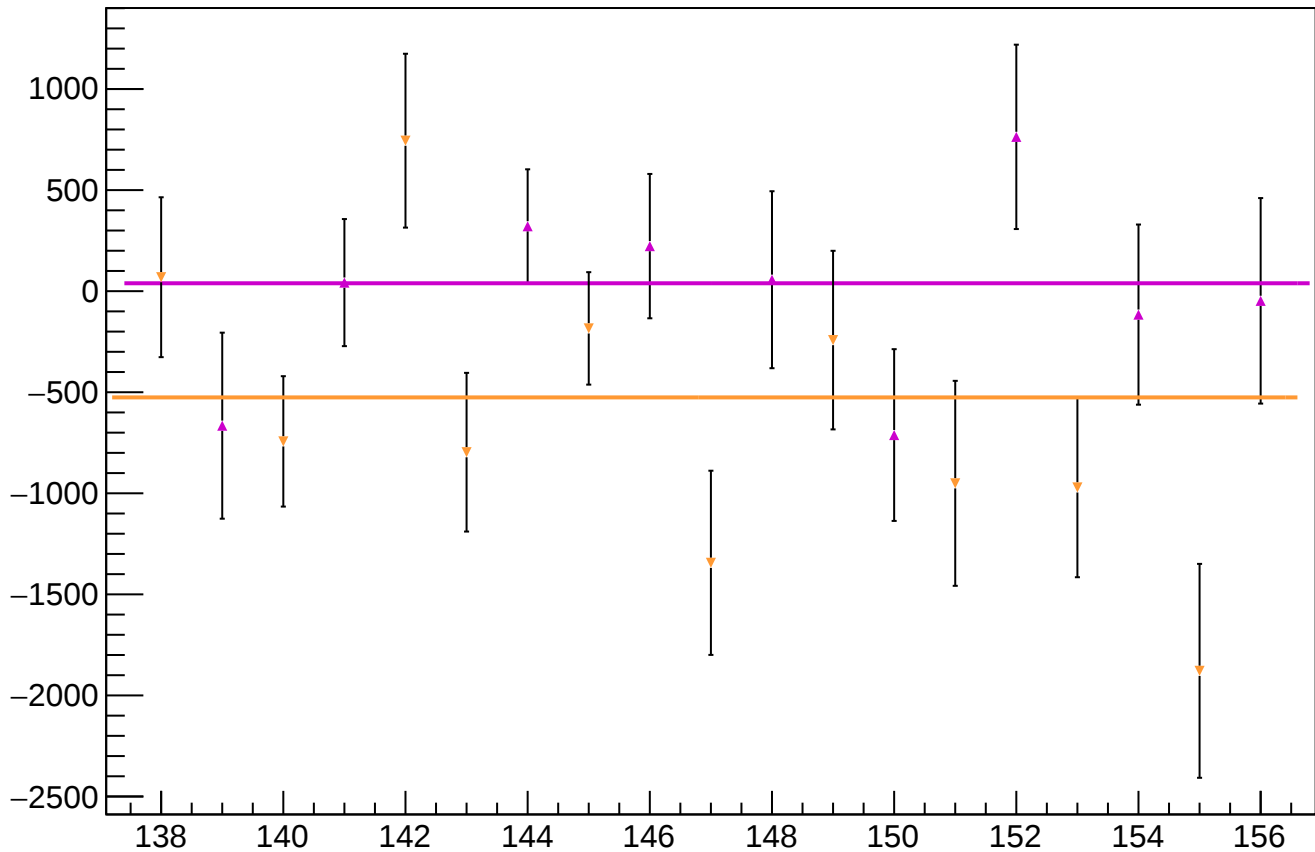
Right Out: 70.316+/-0.019 χ^2/NDF : 299468.0/19

Left In: 64.547+/-0.017 χ^2/NDF : 64042.7/8

67.436+/-0.013 χ^2/NDF : 547407.3/26

67.104+/-0.013 χ^2/NDF : 415435.3/28

asym_sam7_correction_mean vs Slug



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

Left Out: -525.609+/-125.697 χ^2/NDF : 25.3/9

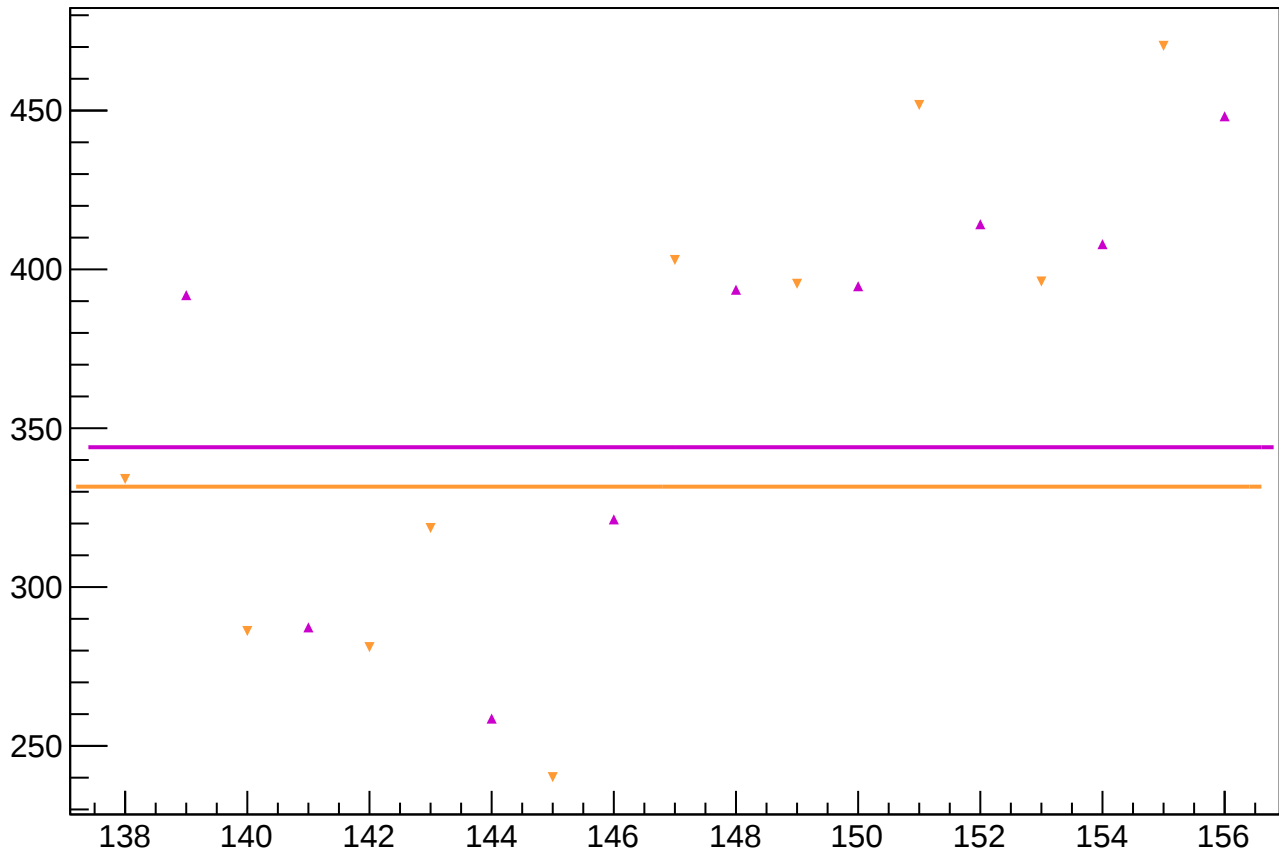
-525.609+/-125.697 χ^2/NDF : 25.3/9

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

39.093+/-129.363 χ^2/NDF : 9.4/8

Left In: 39.093+/-129.363 χ^2/NDF : 9.4/8

asym_sam7_correction_rms vs Slug



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

Left Out: 331.607+/-0.089 χ^2/NDF : 668589.8/9

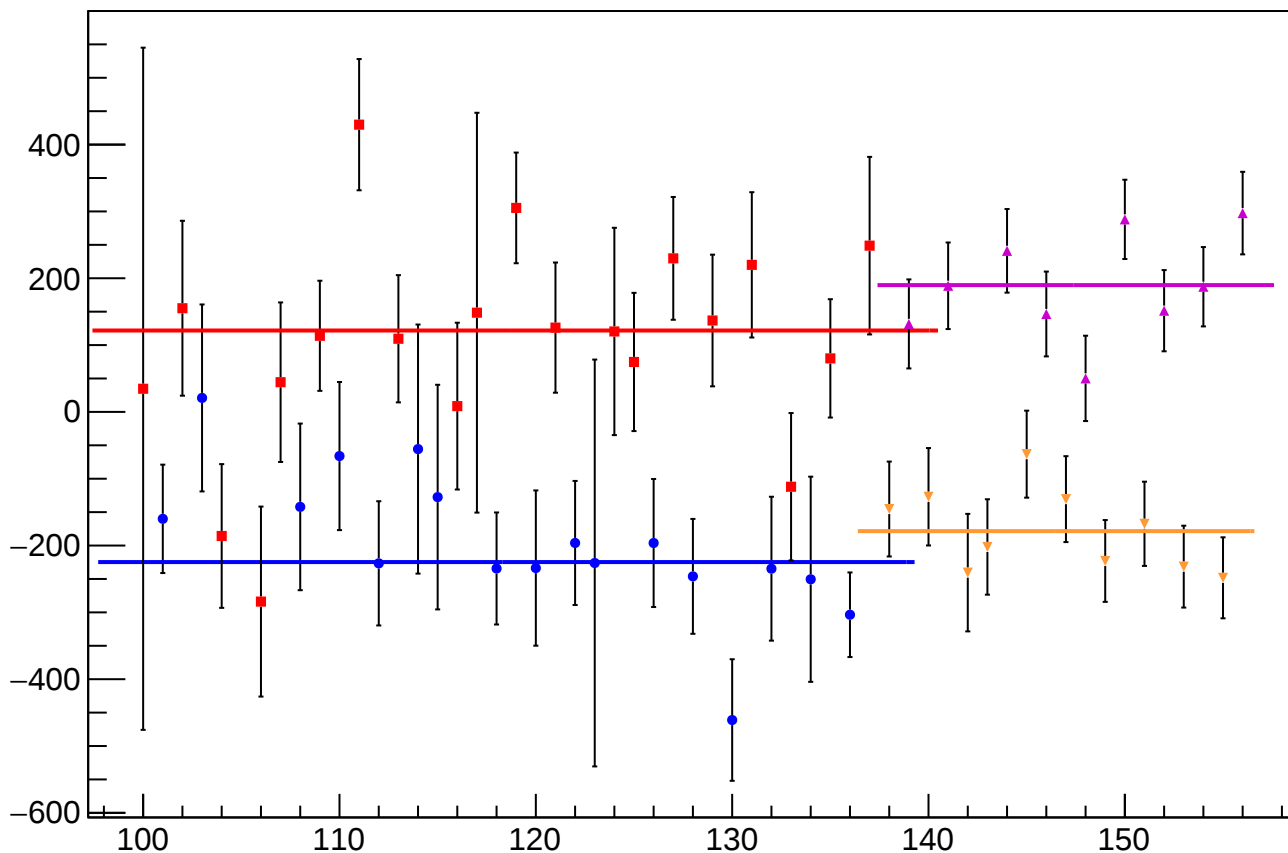
331.607+/-0.089 χ^2/NDF : 668589.8/9

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

344.018+/-0.091 χ^2/NDF : 505330.7/8

Left In: 344.018+/-0.091 χ^2/NDF : 505330.7/8

reg_asym_sam8_mean vs Slug



Right In: -224.727 ± 24.880 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -178.425 ± 21.094 $\chi^2/\text{NDF}: 7.7/9$

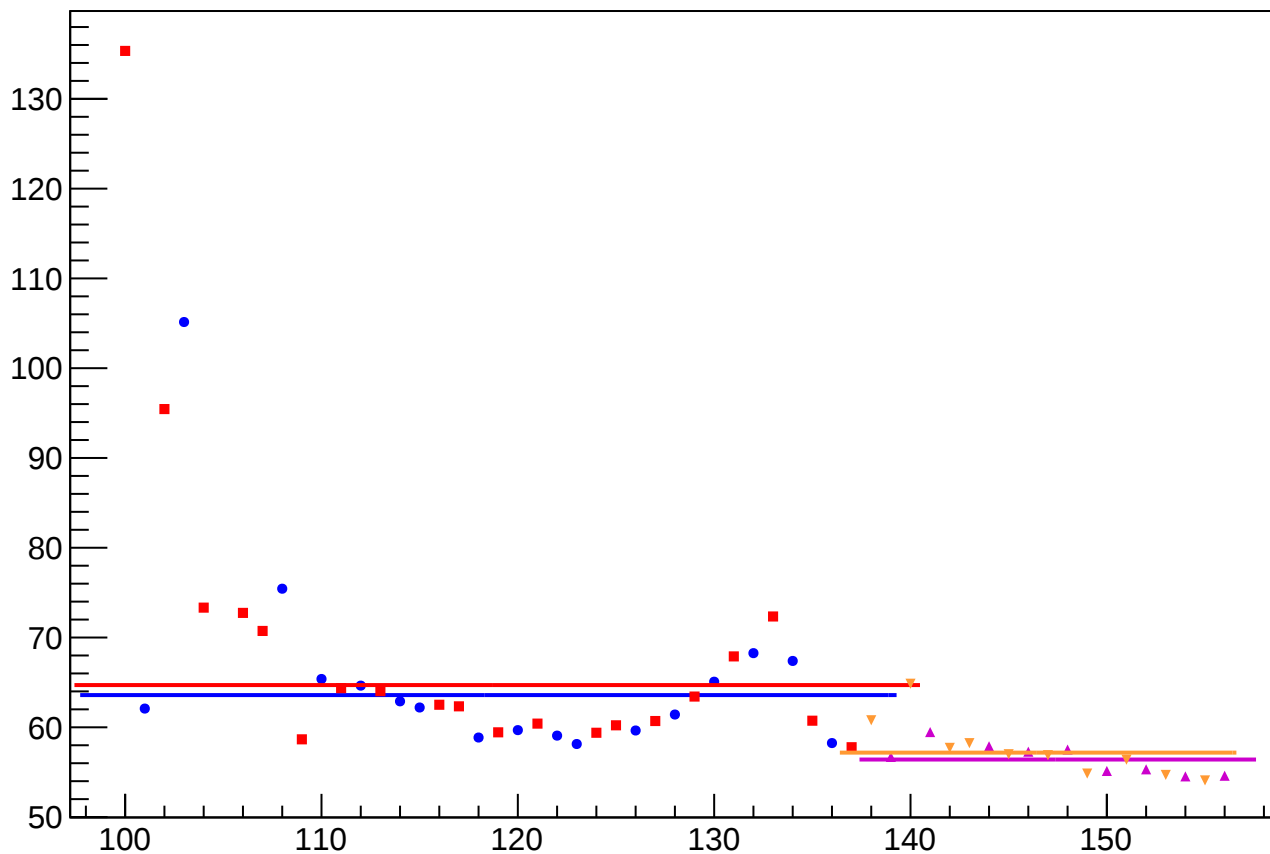
Right Out: 121.814 ± 24.516 $\chi^2/\text{NDF}: 40.5/19$

Left In: 189.736 ± 20.791 $\chi^2/\text{NDF}: 12.9/8$

-197.789 ± 16.090 $\chi^2/\text{NDF}: 25.6/26$

161.322 ± 15.857 $\chi^2/\text{NDF}: 57.8/28$

reg_asym_sam8_rms vs Slug



Right In: 63.589+/-0.018 χ^2/NDF : 234601.0/16

Left Out: 57.180+/-0.015 χ^2/NDF : 39603.8/9

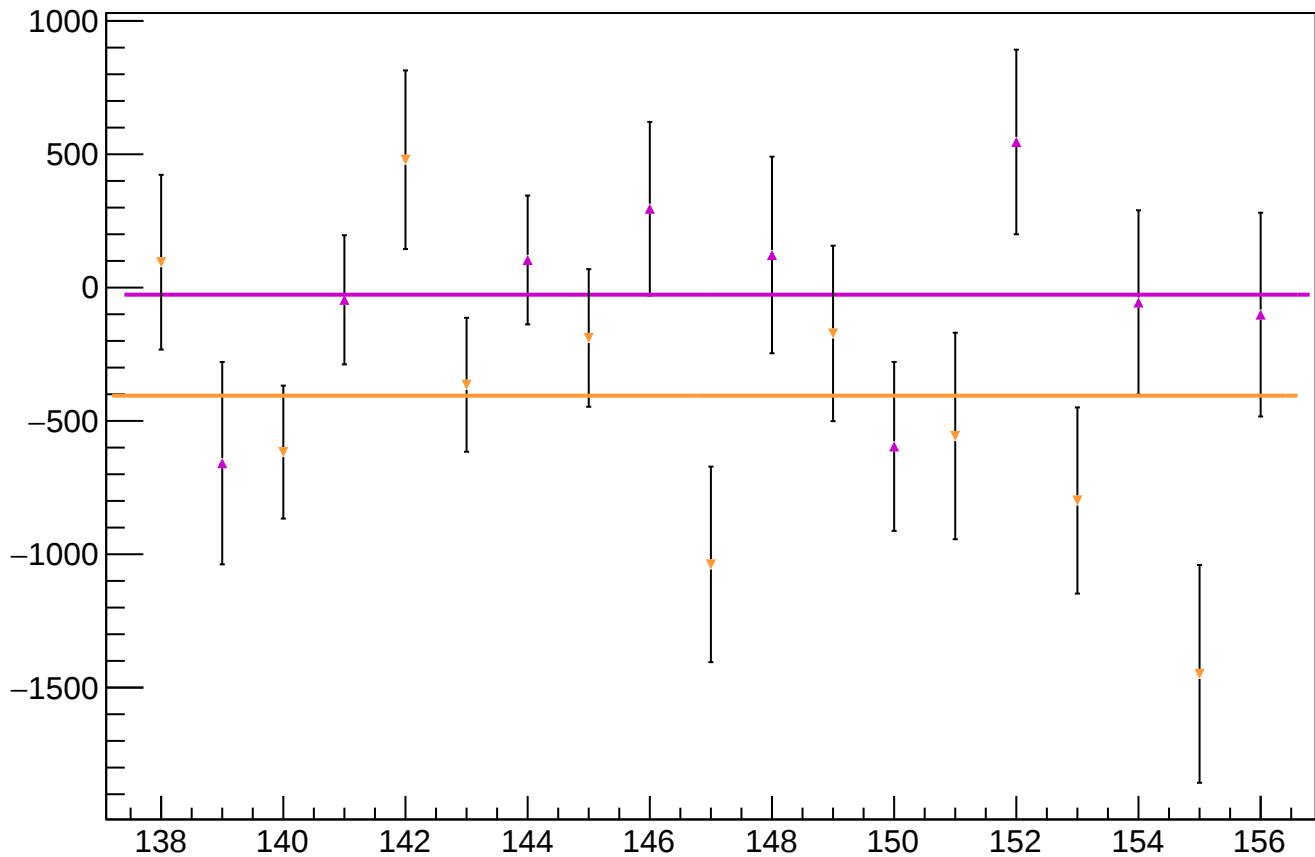
Right Out: 64.704+/-0.017 χ^2/NDF : 227632.6/19

Left In: 56.410+/-0.015 χ^2/NDF : 11871.9/8

59.860+/-0.011 χ^2/NDF : 351412.1/26

59.880+/-0.011 χ^2/NDF : 372643.3/28

asym_sam8_correction_mean vs Slug



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

Left Out: -405.276 $\pm$ 98.664 χ^2 /NDF:22.2/9

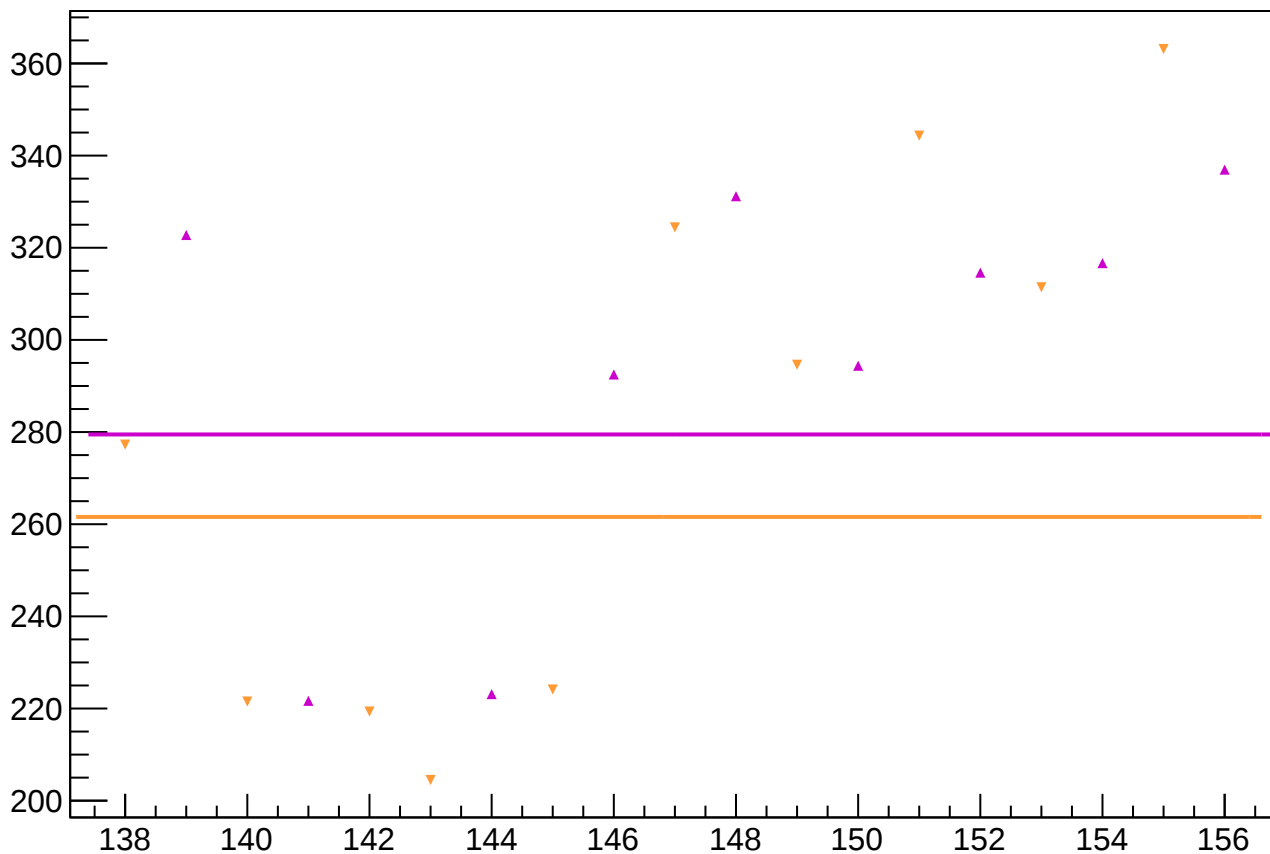
-405.276 $\pm$ 98.664 χ^2 /NDF: 22.2/9

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

-26.529 $\pm$ 104.576 χ^2 /NDF: 10.2/8

Left In: -26.529 $\pm$ 104.576 χ^2 /NDF:10.2/8

asym_sam8_correction_rms vs Slug



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

Left Out: 261.580+/-0.070 χ^2/NDF : 568110.0/9

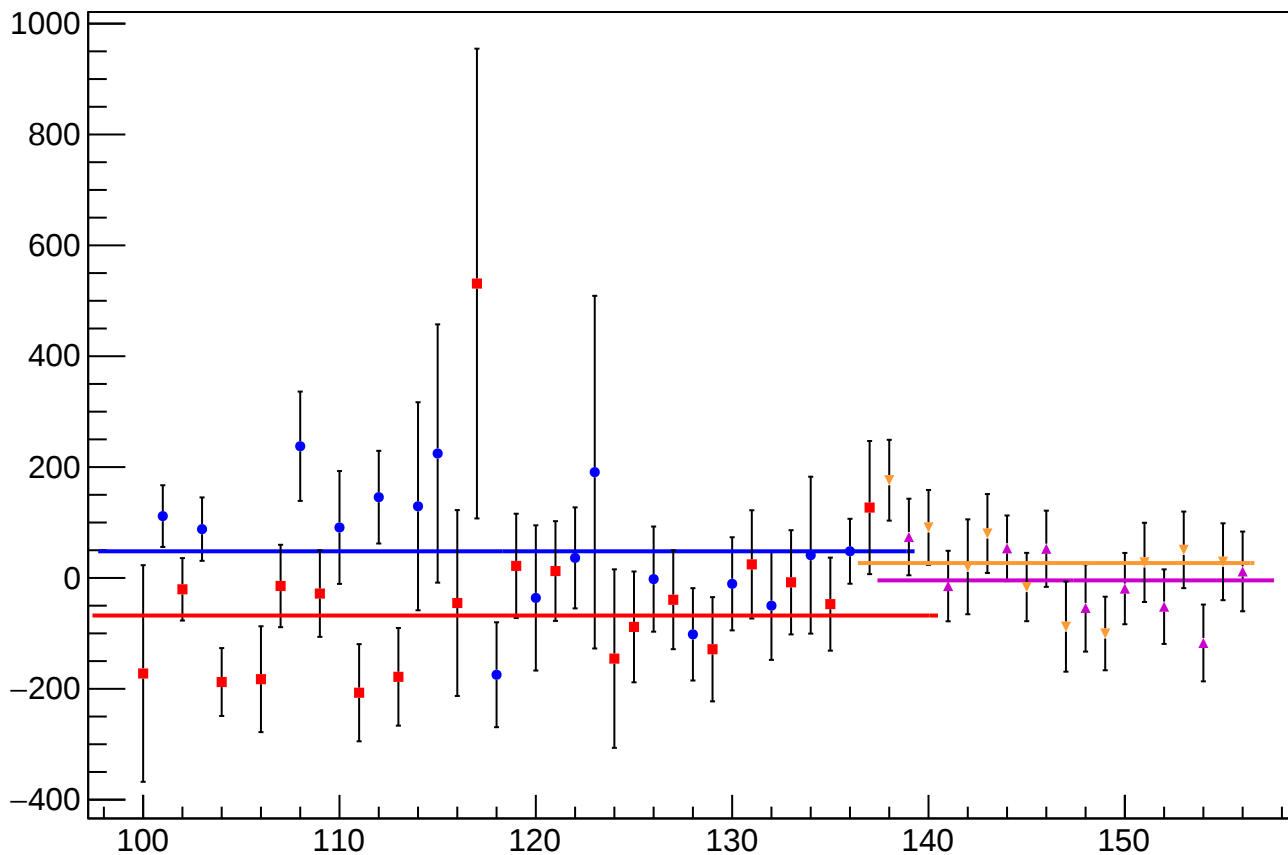
261.580+/-0.070 χ^2/NDF : 568110.0/9

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

279.480+/-0.074 χ^2/NDF : 384675.6/8

Left In: 279.480+/-0.074 χ^2/NDF : 384675.6/8

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109+/-21.510 χ^2/NDF : 19.0/16

Left Out: 26.892+/-22.380 χ^2/NDF : 11.9/9

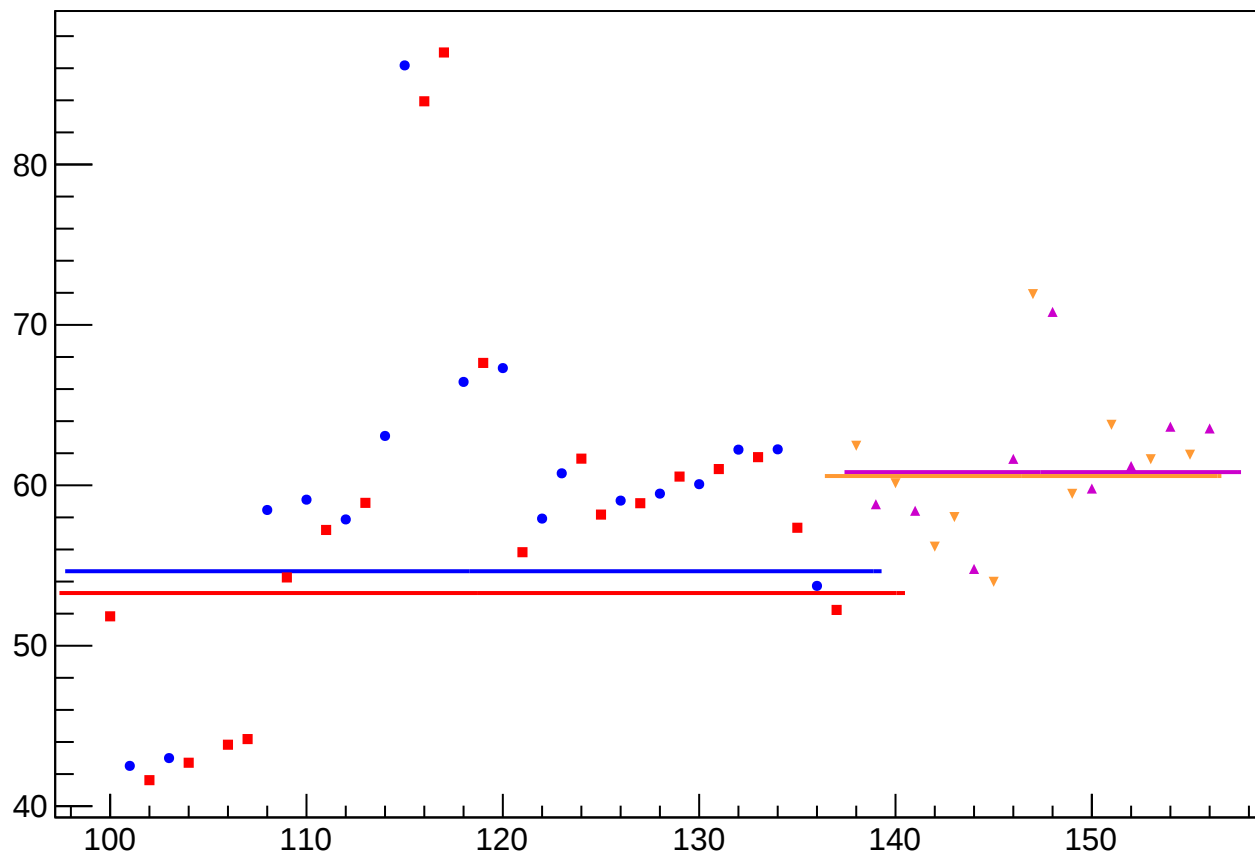
Right Out: -67.767+/-20.383 χ^2/NDF : 19.7/19

Left In: -4.379+/-22.473 χ^2/NDF : 6.6/8

37.921+/-15.508 χ^2/NDF : 31.4/26

-39.157+/-15.098 χ^2/NDF : 30.6/28

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 60.579+/-0.016 χ^2/NDF : 76806.2/9

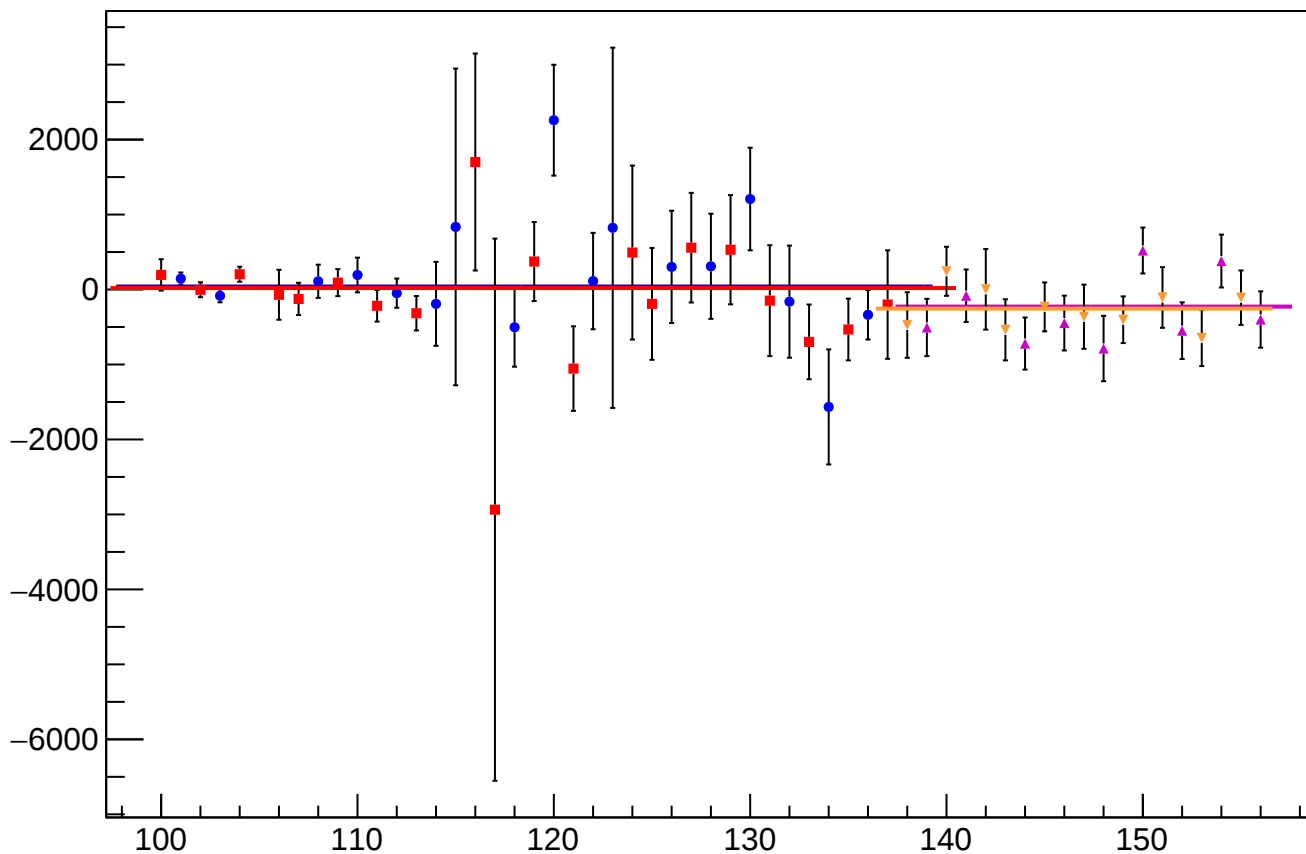
Right Out: 53.285+/-0.014 χ^2/NDF : 398973.0/19

Left In: 60.824+/-0.016 χ^2/NDF : 64560.8/8

57.494+/-0.011 χ^2/NDF : 469193.5/26

56.688+/-0.011 χ^2/NDF : 587004.0/28

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -254.190+/-119.472 χ^2/NDF : 5.0/9

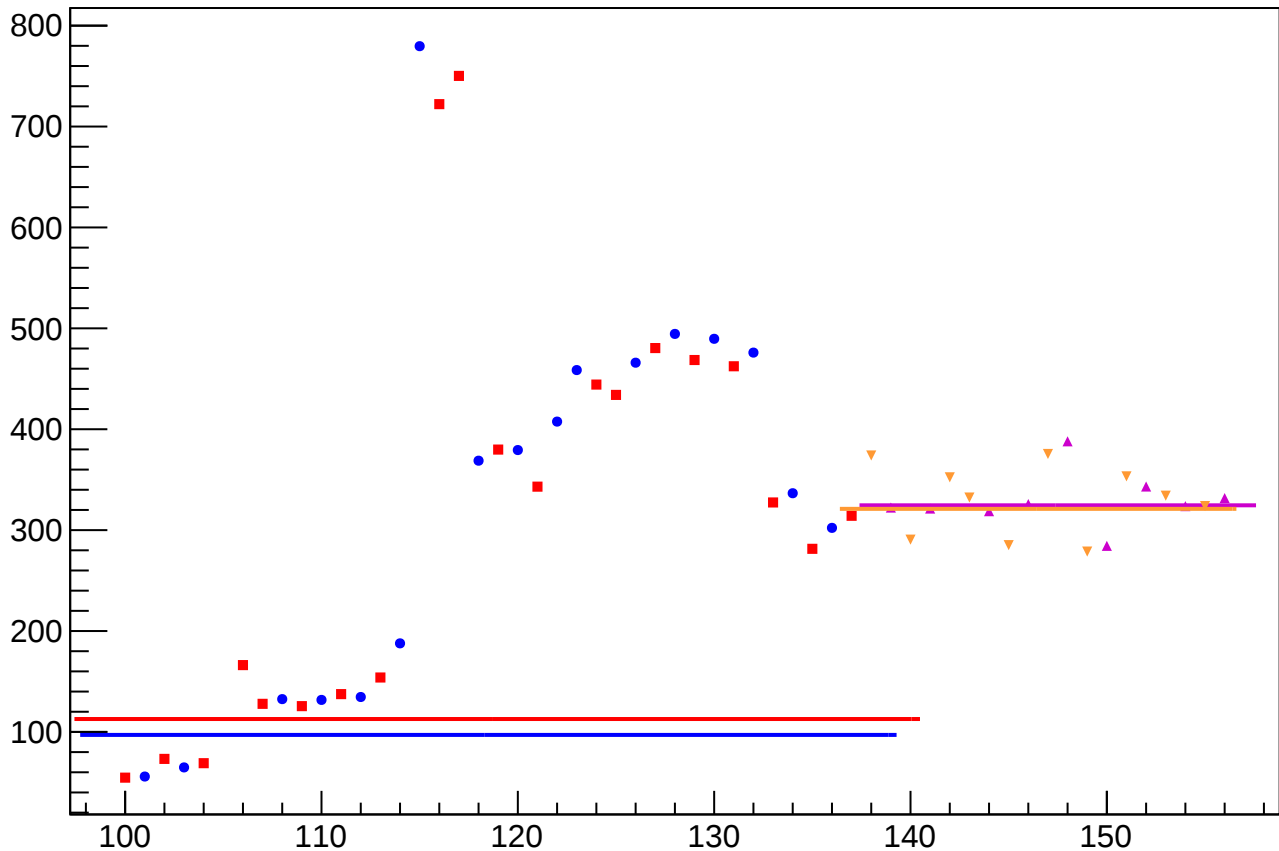
Right Out: 19.590+/-53.268 χ^2/NDF : 19.6/19

Left In: -227.512+/-120.531 χ^2/NDF : 14.6/8

-5.988+/-47.326 χ^2/NDF : 34.0/26

-20.787+/-48.722 χ^2/NDF : 37.7/28

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2 /NDF: 5819709.2/16

Left Out: 321.092+/-0.084 χ^2 /NDF:163818.9/9

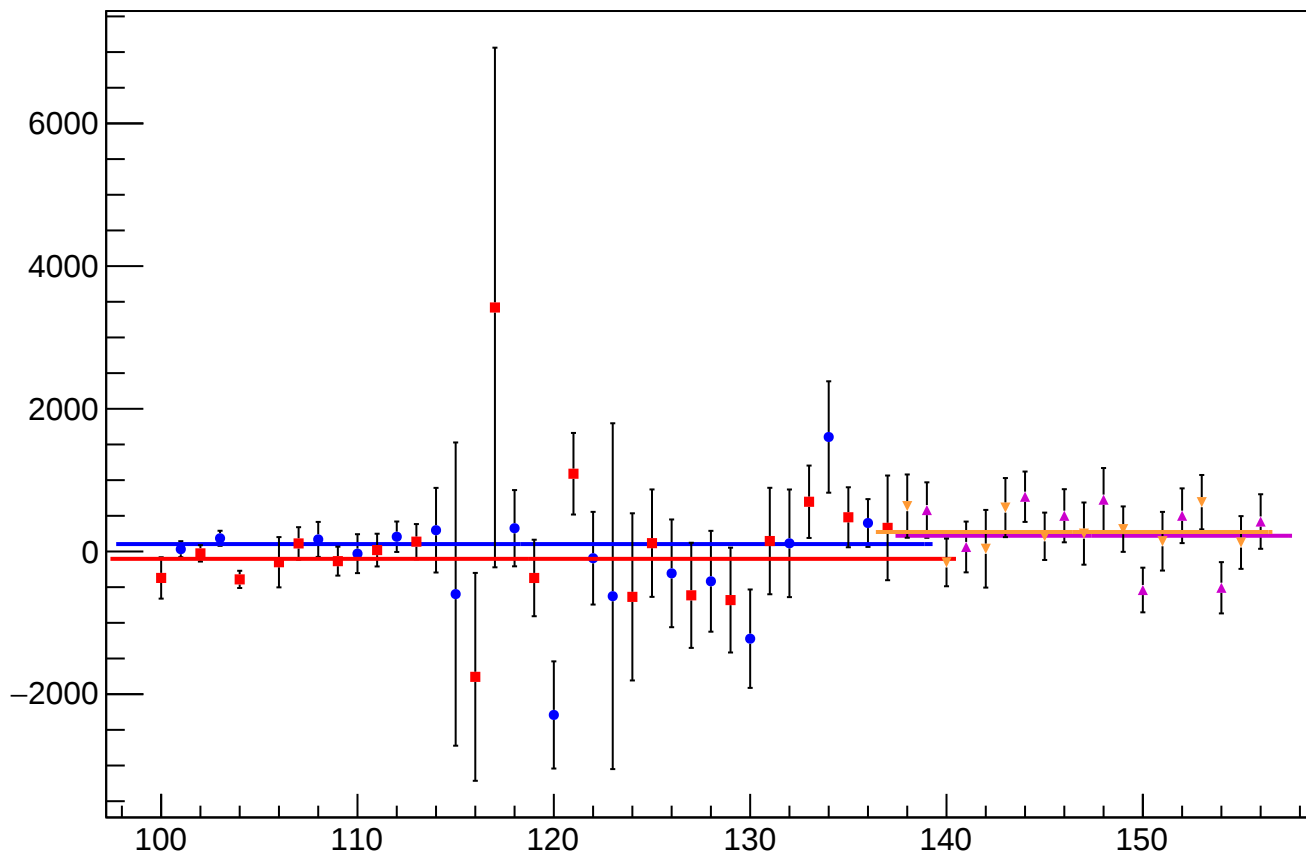
Right Out: 112.792+/-0.038 χ^2 /NDF: 5098459.2/19

Left In: 324.600+/-0.085 χ^2 /NDF:83148.7/8

132.196+/-0.033 χ^2 /NDF: 11913734.6/26

147.402+/-0.034 χ^2 /NDF: 10348566.7/28

asym_sam_15_avg_mean vs Slug



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 273.224 $\pm$ 121.656 χ^2 /NDF: 4.7/9

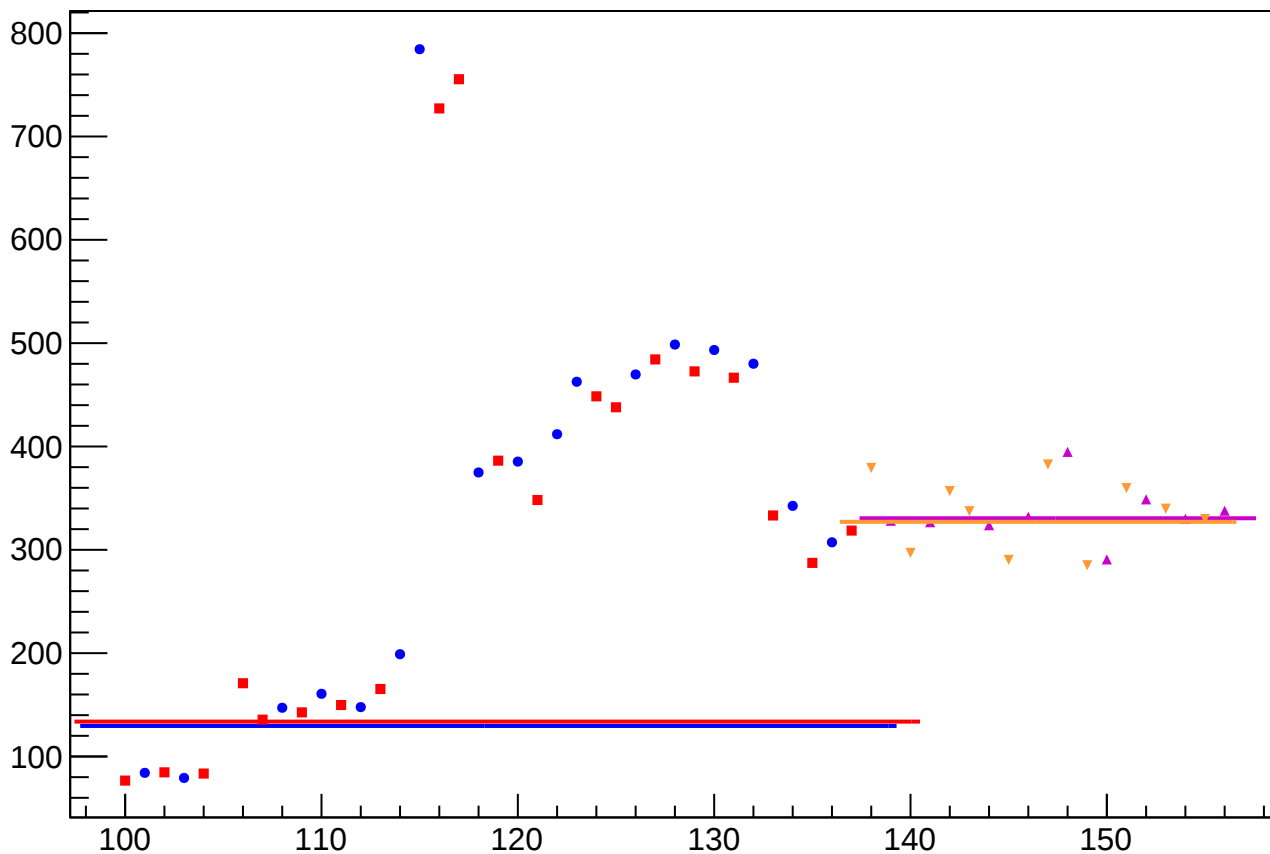
Right Out: -103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

Left In: 220.394 $\pm$ 122.698 χ^2 /NDF: 16.1/8

139.925 $\pm$ 56.053 χ^2 /NDF: 27.5/26

-39.290 $\pm$ 54.513 χ^2 /NDF: 44.0/28

asym_sam_15_avg_rms vs Slug



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 327.110 $\pm$ 0.086 χ^2 /NDF:157989.7/9

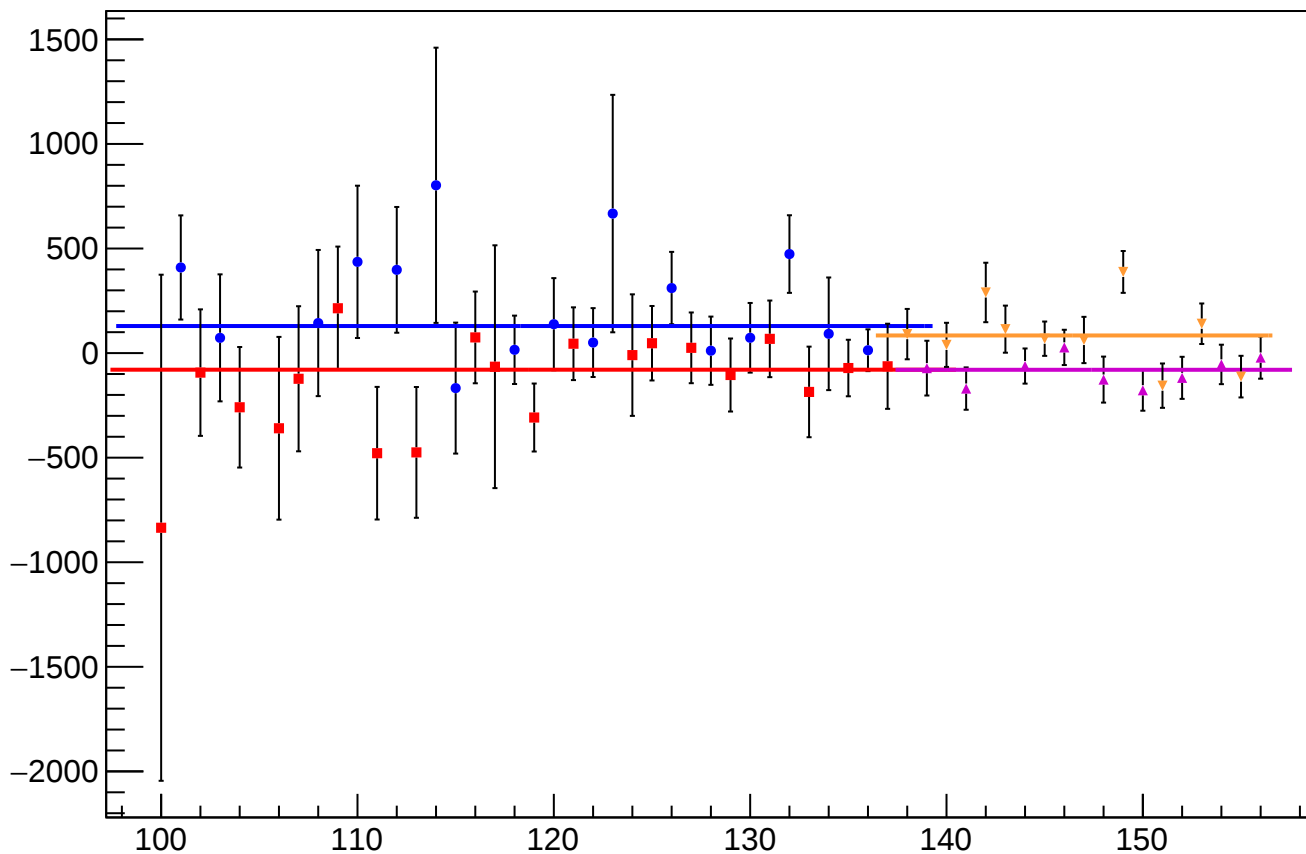
171.492 $\pm$ 0.040 χ^2 /NDF: 9084935.3/26

Right Out: 133.766 $\pm$ 0.043 χ^2 /NDF: 4424544.5/19

172.610 $\pm$ 0.039 χ^2 /NDF: 8634155.4/28

Left In: 330.549 $\pm$ 0.087 χ^2 /NDF:80708.6/8

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 84.301 $\pm$ 33.081 χ^2 /NDF:21.0/9

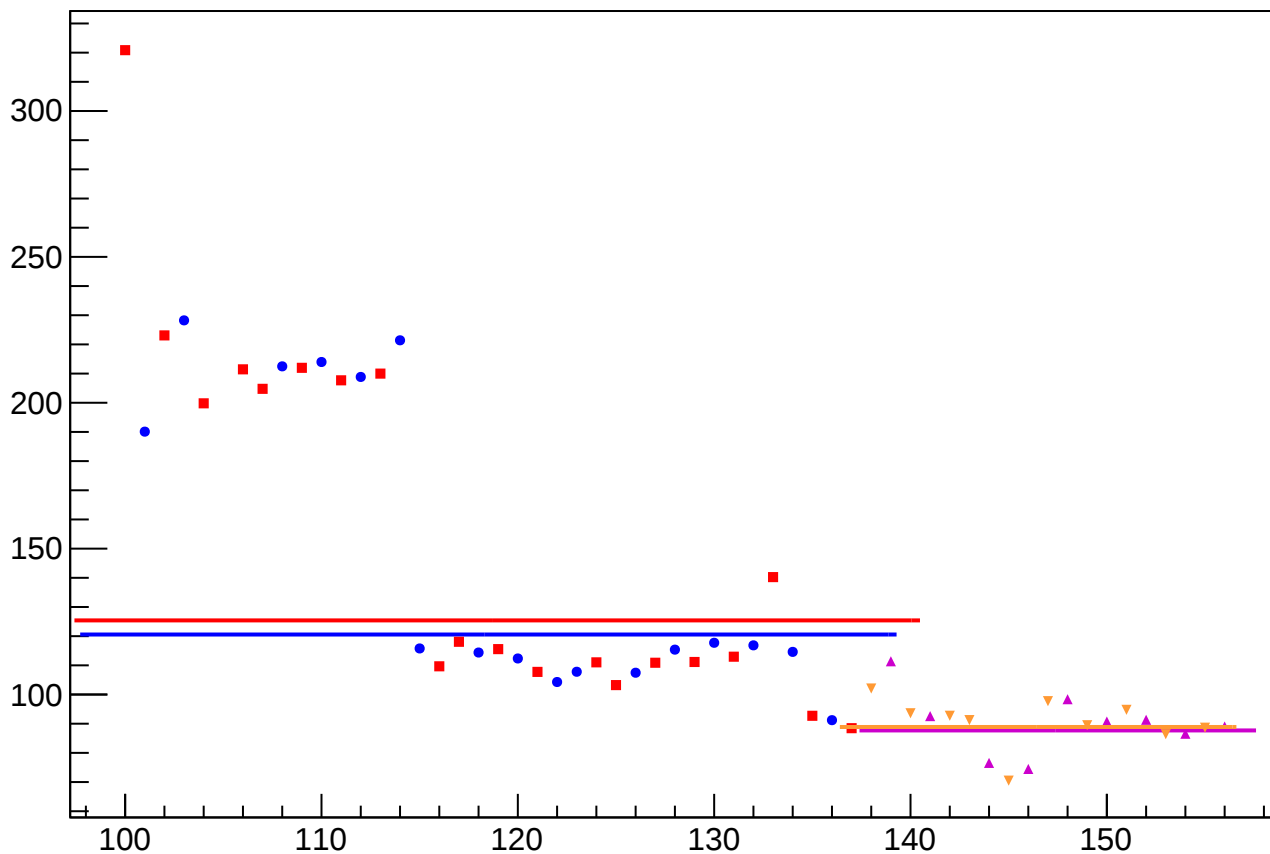
Right Out: -79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

Left In: -79.840 $\pm$ 32.707 χ^2 /NDF:4.2/8

98.372 $\pm$ 27.439 χ^2 /NDF: 34.5/26

-79.700 $\pm$ 27.322 χ^2 /NDF: 14.4/28

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 88.871 $\pm$ 0.023 χ^2 /NDF:151042.5/9

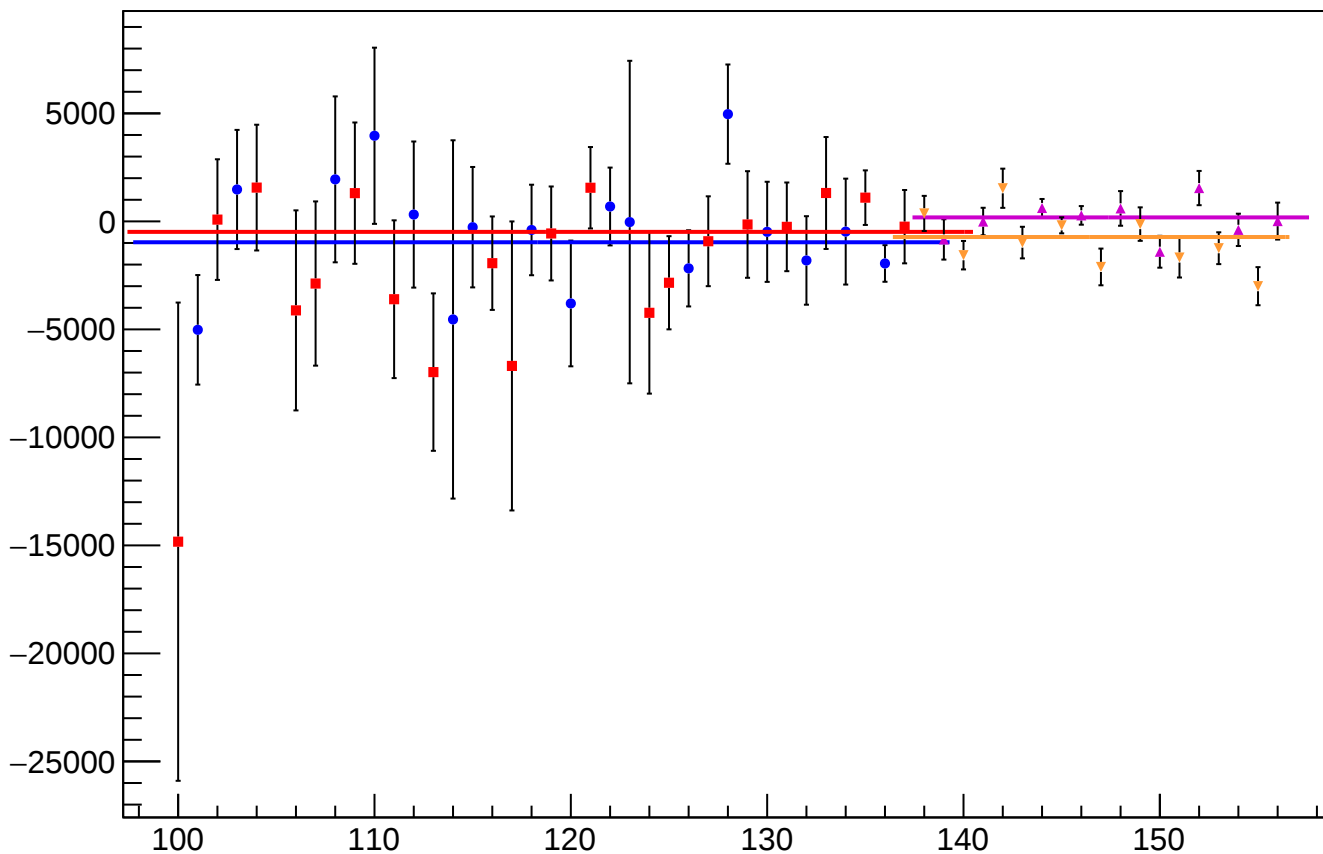
Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

Left In: 87.690 $\pm$ 0.023 χ^2 /NDF:178430.6/8

98.760 $\pm$ 0.019 χ^2 /NDF: 1835936.4/26

99.087 $\pm$ 0.019 χ^2 /NDF: 2316064.4/28

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 ± 512.340 χ^2/NDF : 16.4/16

Left Out: -723.876 ± 215.611 χ^2/NDF : 23.3/9

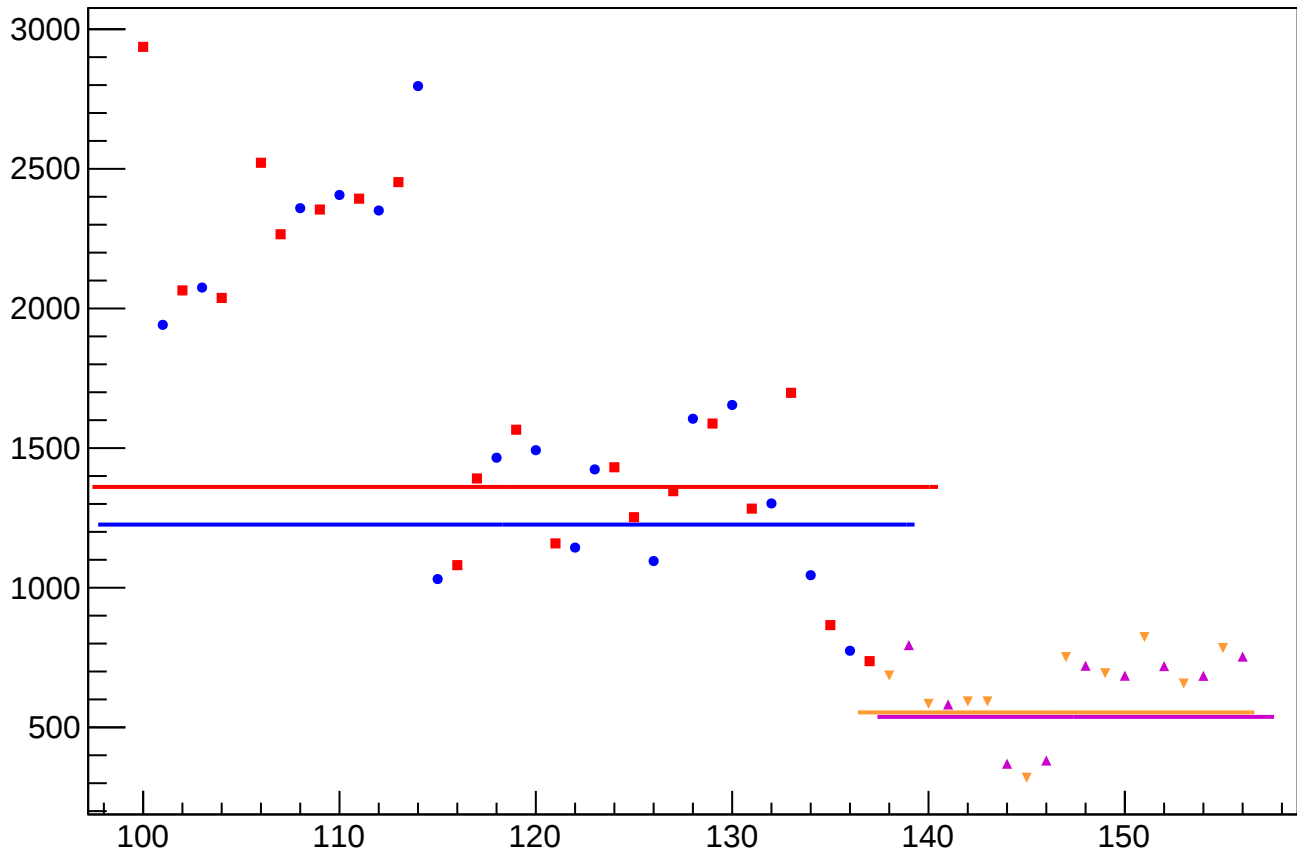
Right Out: -485.654 ± 543.567 χ^2/NDF : 14.3/19

Left In: 183.905 ± 209.024 χ^2/NDF : 10.9/8

-760.394 ± 198.730 χ^2/NDF : 39.9/26

97.650 ± 195.096 χ^2/NDF : 26.5/28

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 553.543+/-0.152 χ^2/NDF :1380701.0/9

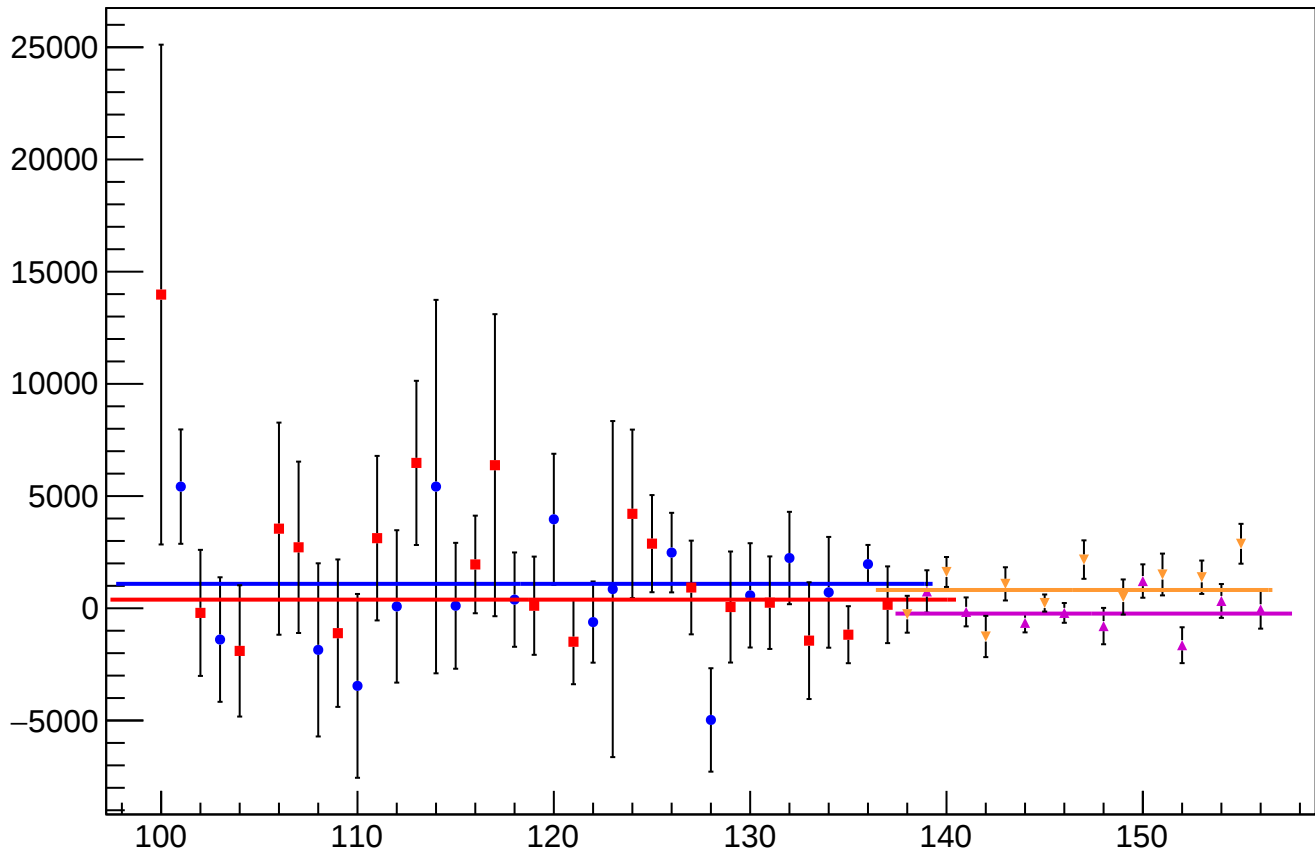
654.739+/-0.141 χ^2/NDF : 6065229.1/26

Right Out: 1360.972+/-0.384 χ^2/NDF : 1749116.2/19

643.585+/-0.138 χ^2/NDF : 6990106.9/28

Left In: 537.504+/-0.148 χ^2/NDF :1242253.0/8

asym_sam_26_avg_mean vs Slug



Right In: 1089.066+/-515.272 χ^2/NDF : 16.9/16

Left Out: 815.651+/-218.933 χ^2/NDF : 19.9/9

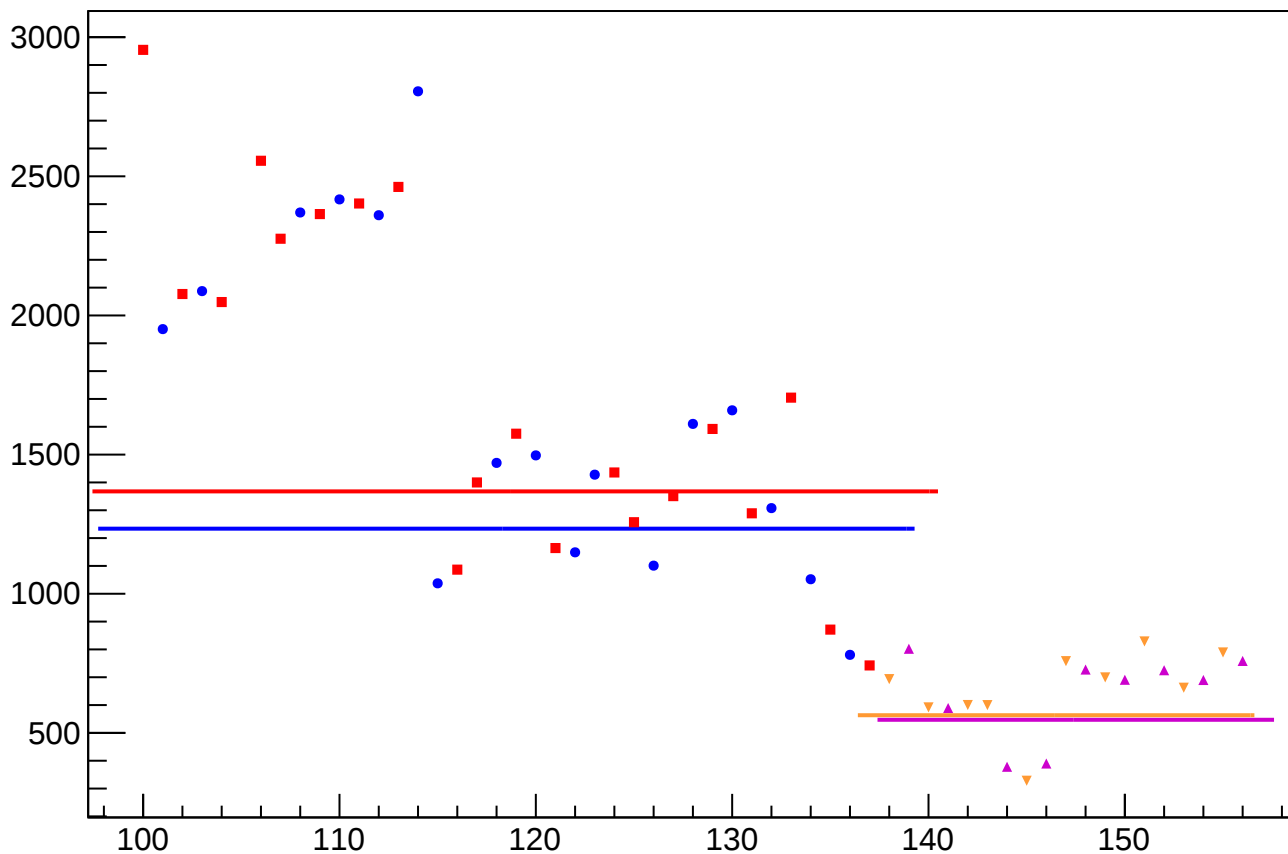
Right Out: 385.391+/-546.382 χ^2/NDF : 13.3/19

Left In: -236.644+/-212.304 χ^2/NDF : 10.0/8

857.463+/-201.499 χ^2/NDF : 37.1/26

-155.047+/-197.890 χ^2/NDF : 24.4/28

asym_sam_26_avg_rms vs Slug



Right In: 1233.863 $\pm$ 0.364 χ^2 /NDF: 1744048.5/16

Left Out: 563.510 $\pm$ 0.155 χ^2 /NDF:1315297.6/9

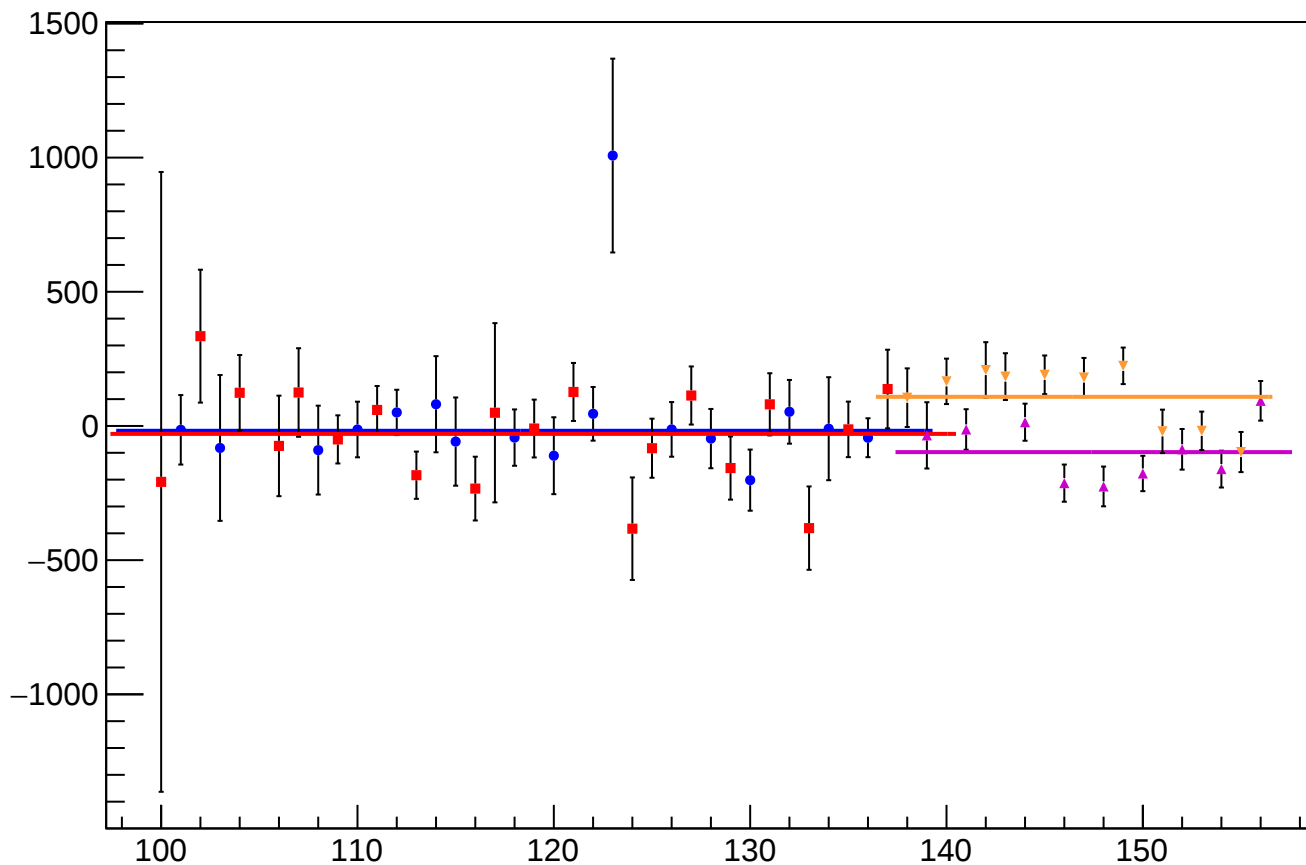
Right Out: 1367.823 $\pm$ 0.386 χ^2 /NDF: 1744640.3/19

Left In: 547.133 $\pm$ 0.150 χ^2 /NDF:1189127.9/8

666.022 $\pm$ 0.142 χ^2 /NDF: 5926737.3/26

654.788 $\pm$ 0.140 χ^2 /NDF: 6854141.8/28

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 108.596 ± 25.239 $\chi^2/\text{NDF}: 20.5/9$

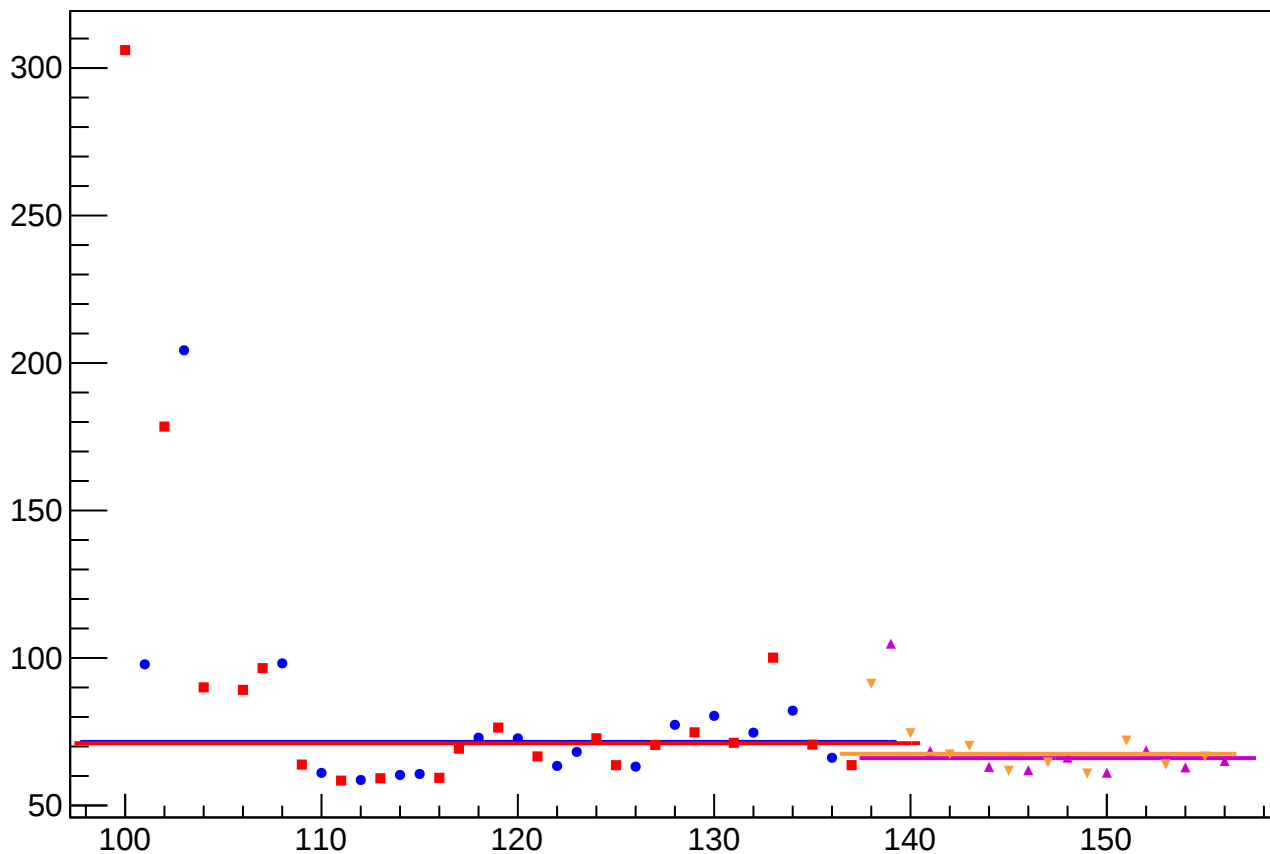
Right Out: -29.517 ± 27.879 $\chi^2/\text{NDF}: 27.5/19$

Left In: -97.440 ± 24.681 $\chi^2/\text{NDF}: 18.9/8$

53.719 ± 18.995 $\chi^2/\text{NDF}: 44.8/26$

-67.596 ± 18.480 $\chi^2/\text{NDF}: 49.7/28$

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 67.518+/-0.018 χ^2/NDF :156428.8/9

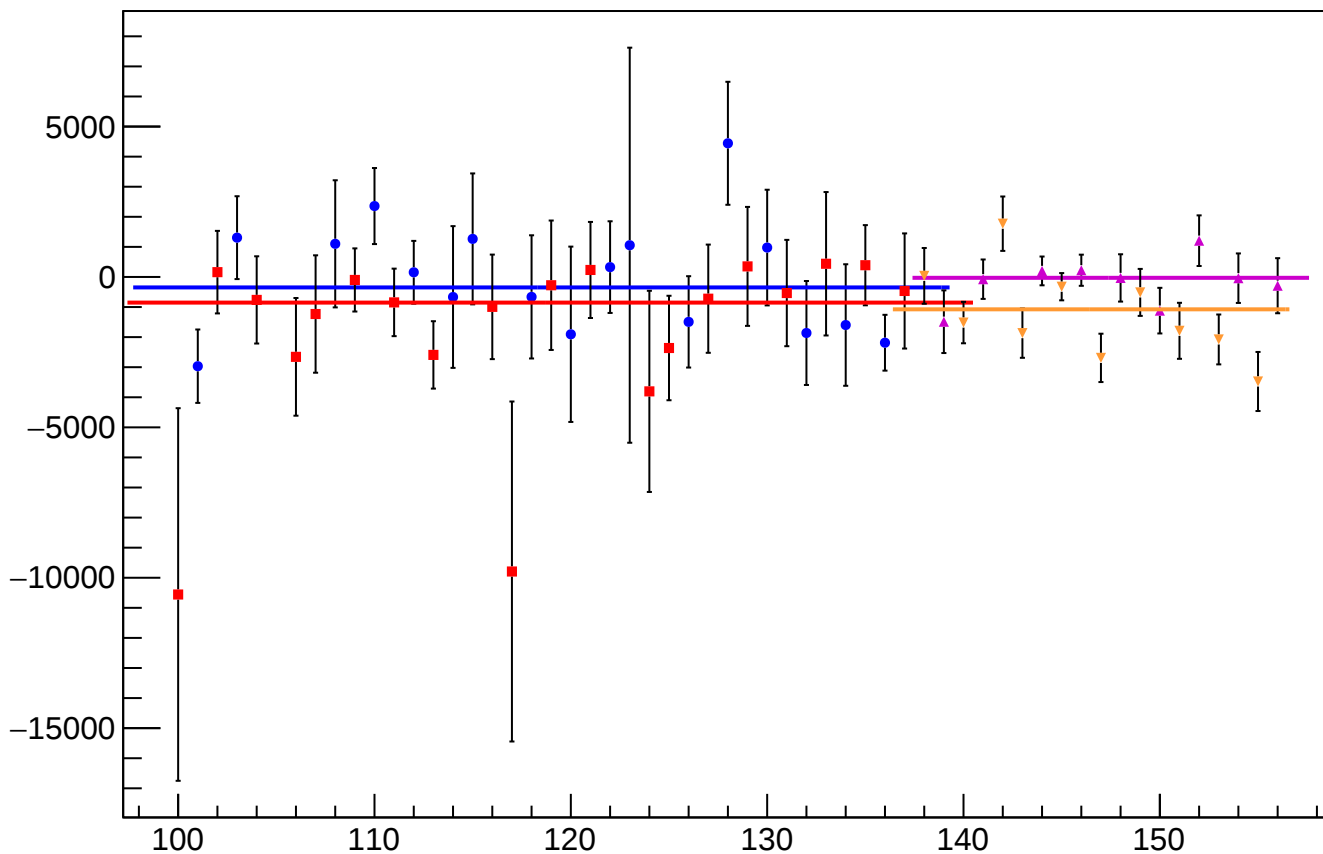
Right Out: 71.102+/-0.020 χ^2/NDF : 765220.8/19

Left In: 66.053+/-0.017 χ^2/NDF :228205.1/8

69.260+/-0.013 χ^2/NDF : 937359.9/26

68.271+/-0.013 χ^2/NDF : 1030203.4/28

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 $\pm$ 381.994 χ^2/NDF : 24.1/16

Left Out: -1076.141 $\pm$ 237.761 χ^2/NDF : 28.0/9

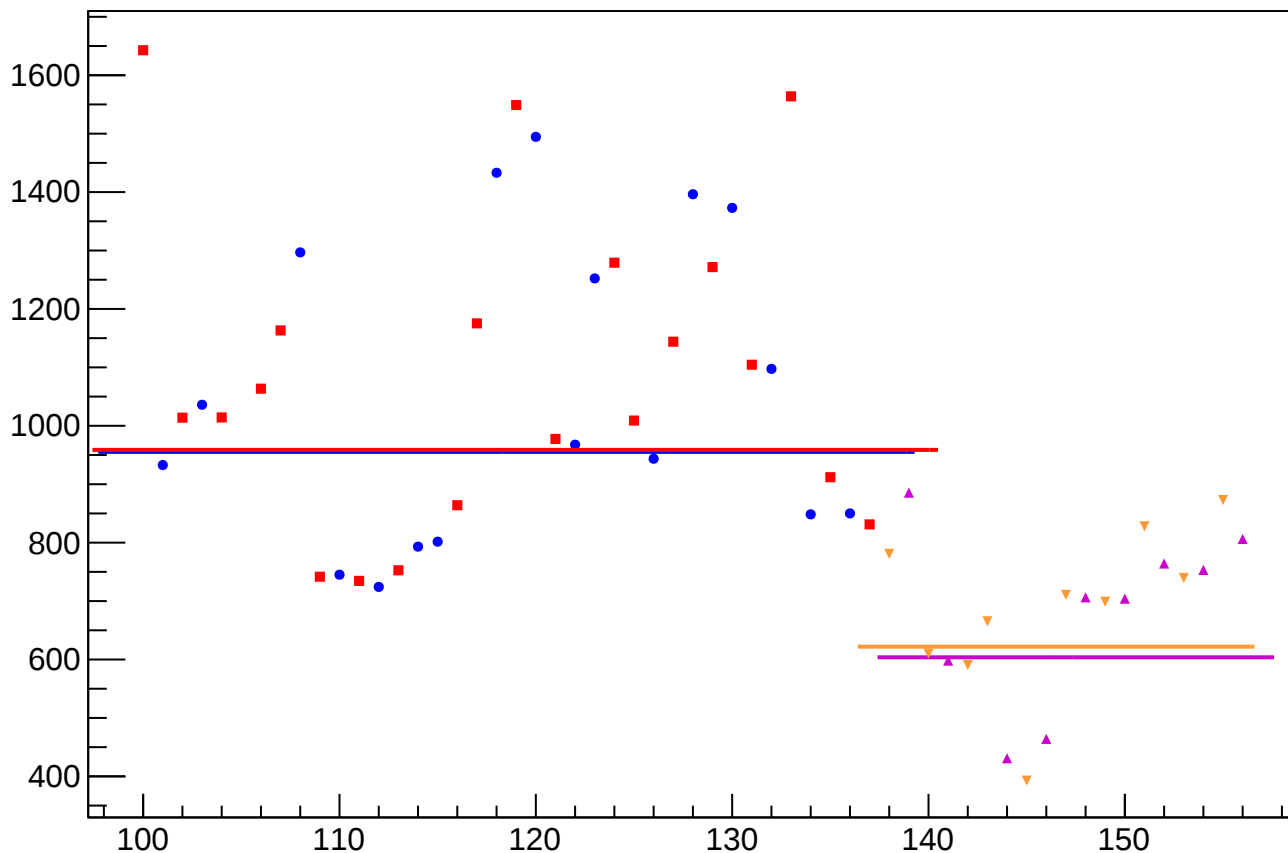
Right Out: -852.433 $\pm$ 369.018 χ^2/NDF : 13.0/19

Left In: -28.557 $\pm$ 230.687 χ^2/NDF : 6.7/8

-872.804 $\pm$ 201.855 χ^2/NDF : 54.7/26

-260.056 $\pm$ 195.610 χ^2/NDF : 23.3/28

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 621.998+/-0.168 χ^2/NDF : 892308.6/9

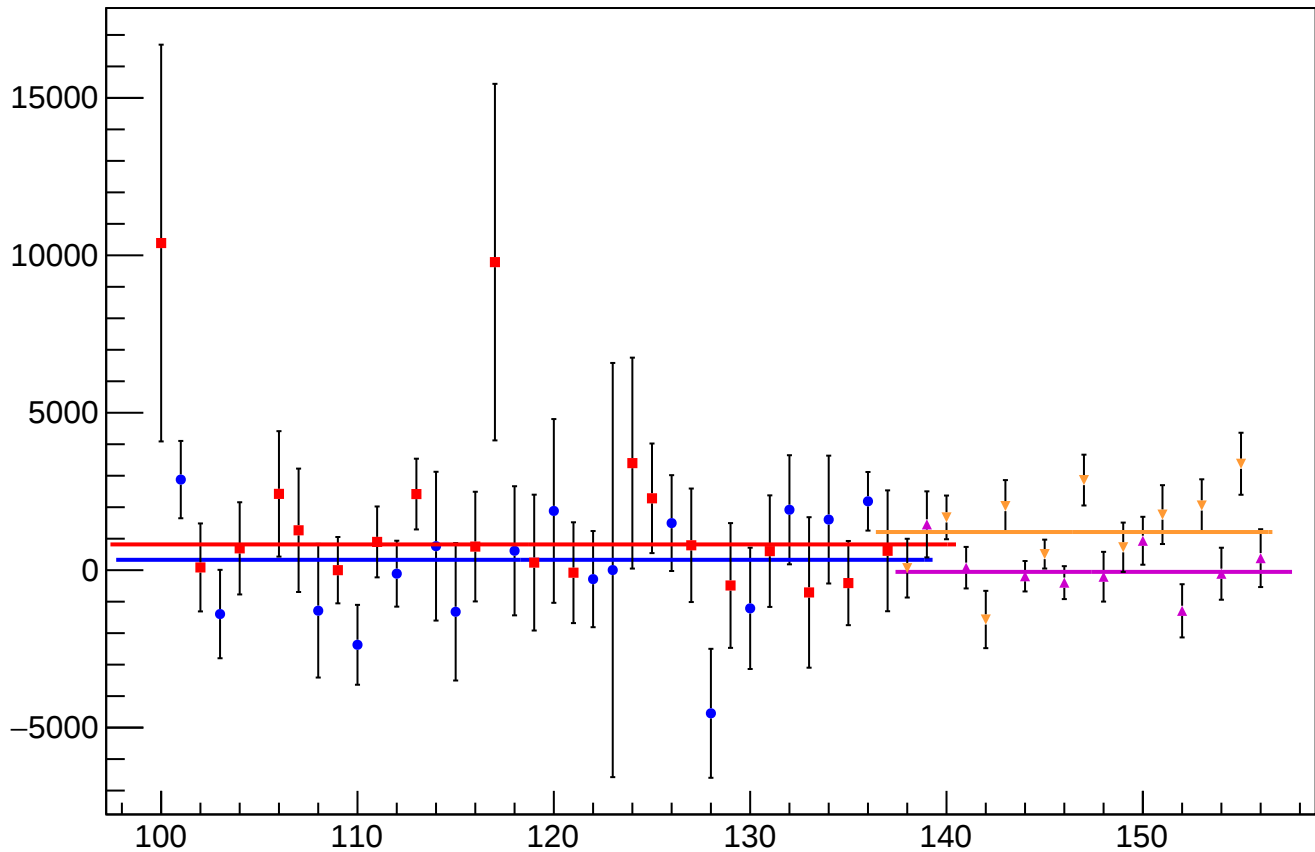
Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

Left In: 603.778+/-0.163 χ^2/NDF : 858764.6/8

715.101+/-0.143 χ^2/NDF : 2637109.8/26

703.528+/-0.138 χ^2/NDF : 2885625.1/28

asym_sam_37_avg_mean vs Slug



Right In: 329.164 ± 383.728 χ^2/NDF : 24.3/16

Left Out: 1212.029 ± 239.520 χ^2/NDF : 25.4/9

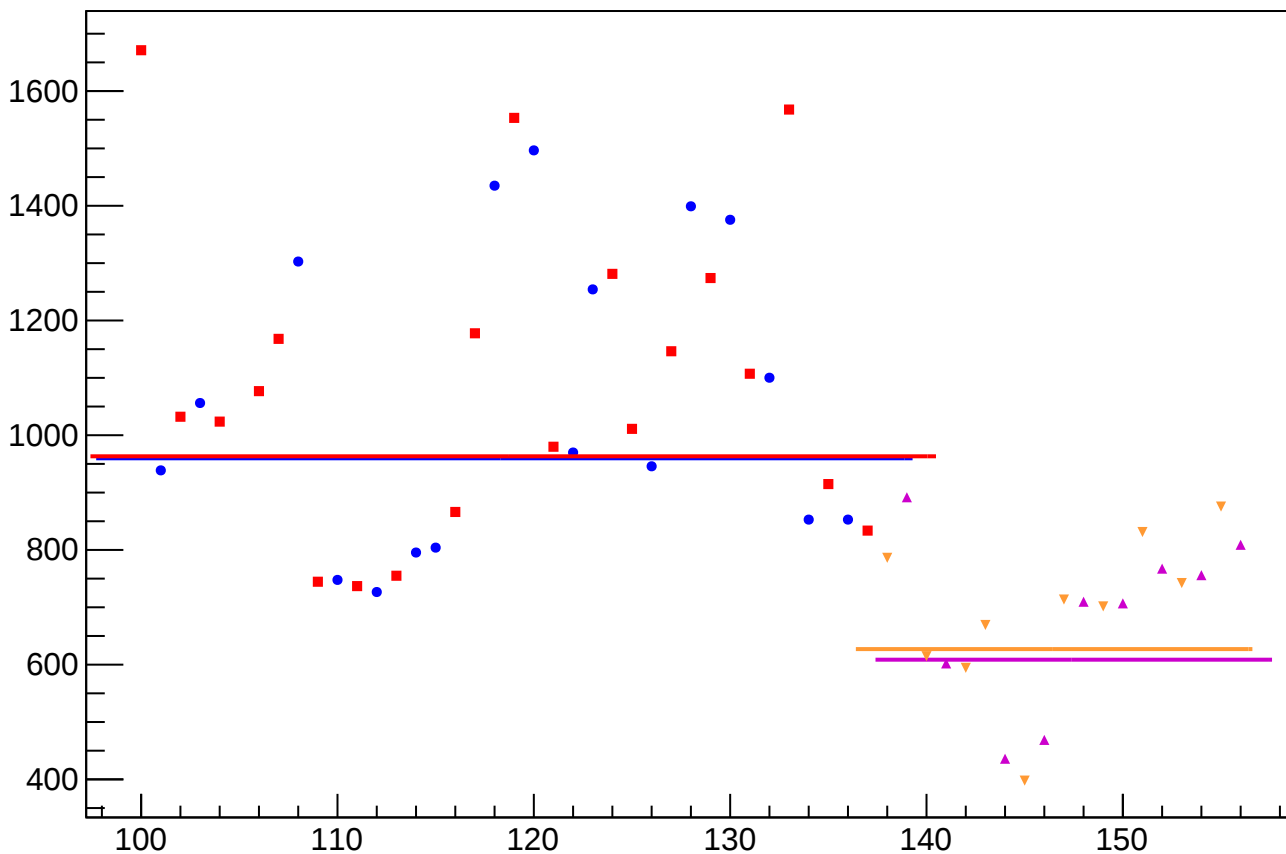
Right Out: 818.253 ± 370.875 χ^2/NDF : 11.8/19

Left In: -54.160 ± 232.372 χ^2/NDF : 6.7/8

964.494 ± 203.186 χ^2/NDF : 53.5/26

191.774 ± 196.914 χ^2/NDF : 22.5/28

asym_sam_37_avg_rms vs Slug



Right In: 959.770+/-0.271 χ^2/NDF : 646727.9/16

Left Out: 627.133+/-0.169 χ^2/NDF : 867867.4/9

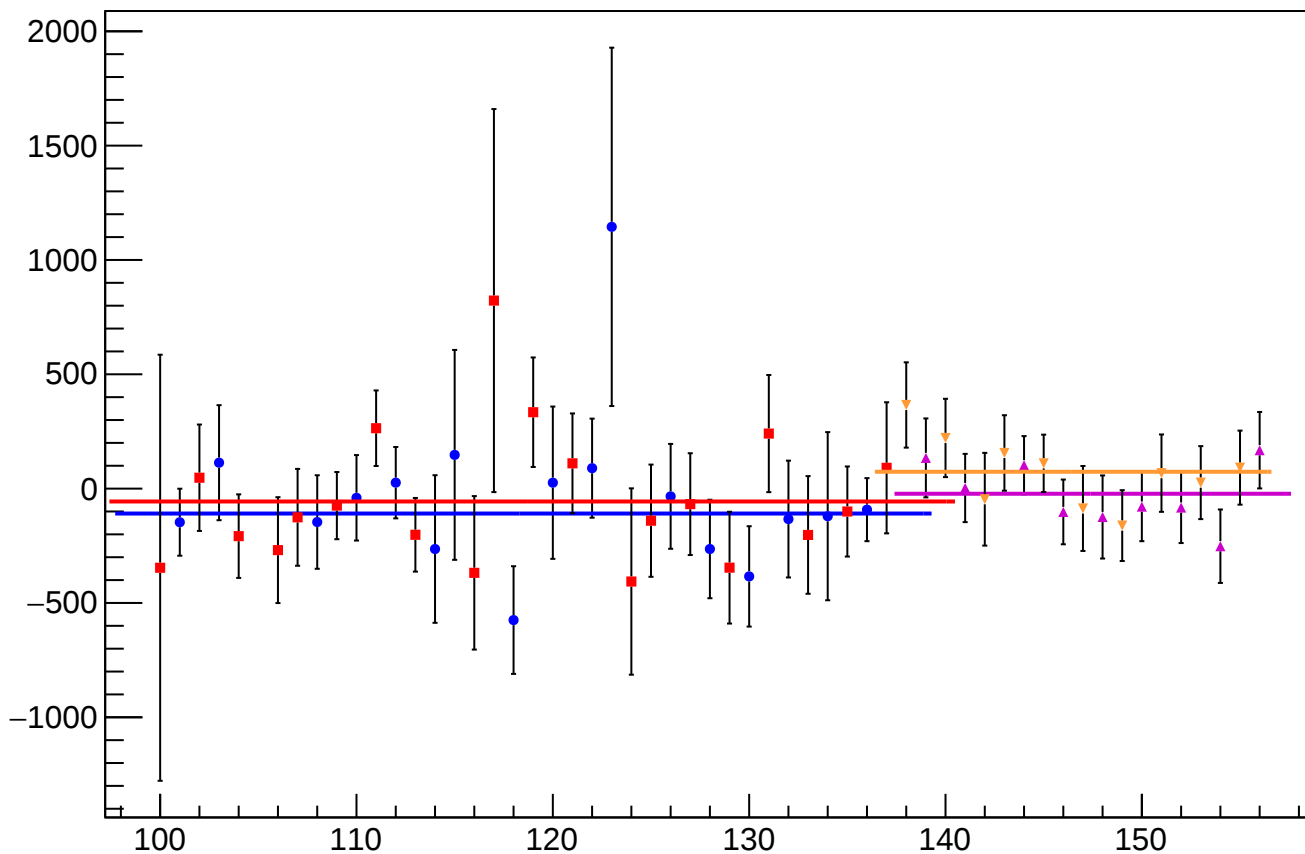
Right Out: 963.238+/-0.262 χ^2/NDF : 698638.3/19

Left In: 608.653+/-0.164 χ^2/NDF : 839241.1/8

720.397+/-0.144 χ^2/NDF : 2596103.4/26

708.611+/-0.139 χ^2/NDF : 2850681.2/28

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 73.759 ± 51.957 χ^2/NDF : 7.0/9

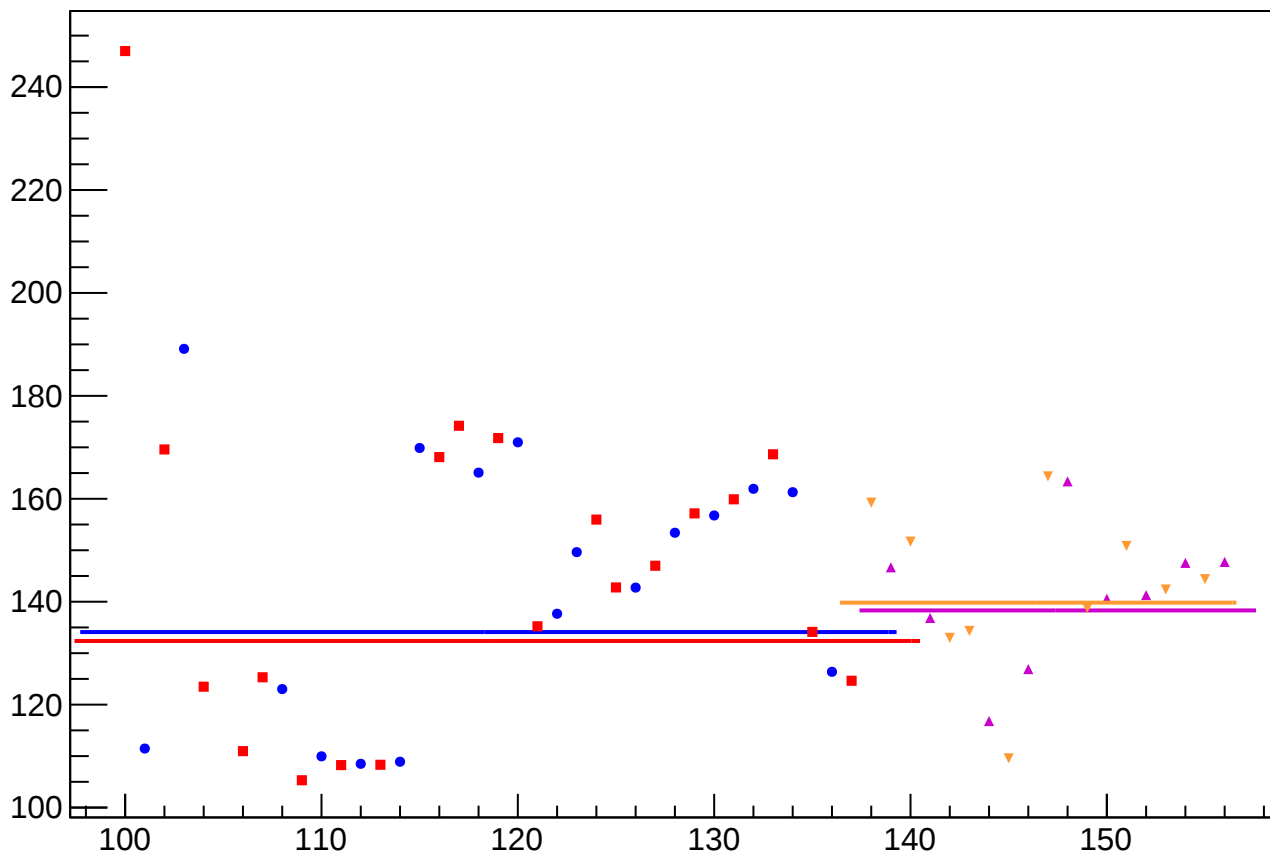
Right Out: -56.241 ± 50.729 χ^2/NDF : 16.0/19

Left In: -22.434 ± 51.294 χ^2/NDF : 6.1/8

-15.926 ± 37.076 χ^2/NDF : 25.1/26

-39.525 ± 36.069 χ^2/NDF : 22.3/28

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103 ± 0.037 χ^2/NDF : 402581.2/16

Left Out: 139.817 ± 0.037 χ^2/NDF : 197584.1/9

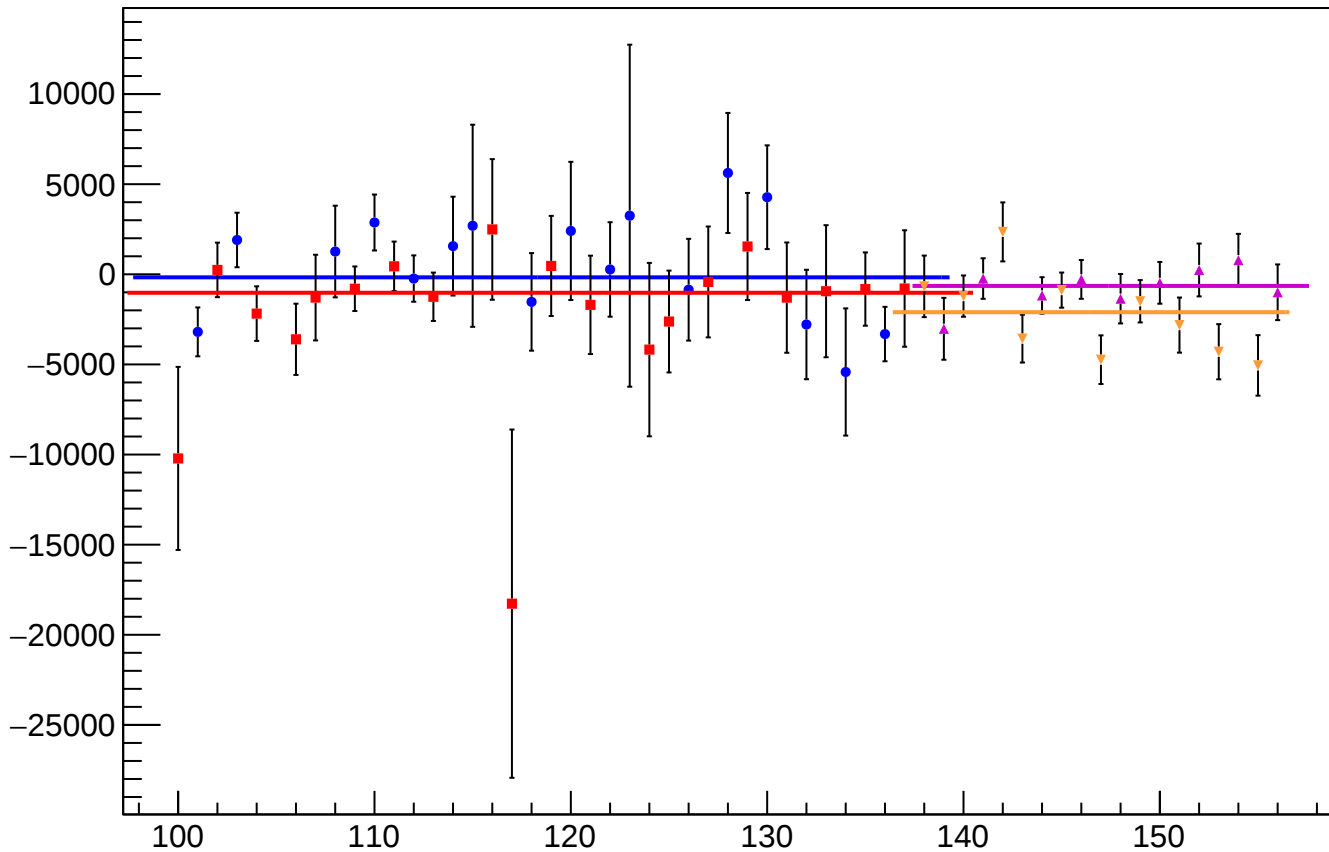
Right Out: 132.373 ± 0.036 χ^2/NDF : 446741.9/19

Left In: 138.306 ± 0.036 χ^2/NDF : 127089.1/8

137.013 ± 0.026 χ^2/NDF : 612034.9/26

135.306 ± 0.026 χ^2/NDF : 587357.3/28

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -2103.363 ± 423.209 χ^2/NDF : 21.0/9

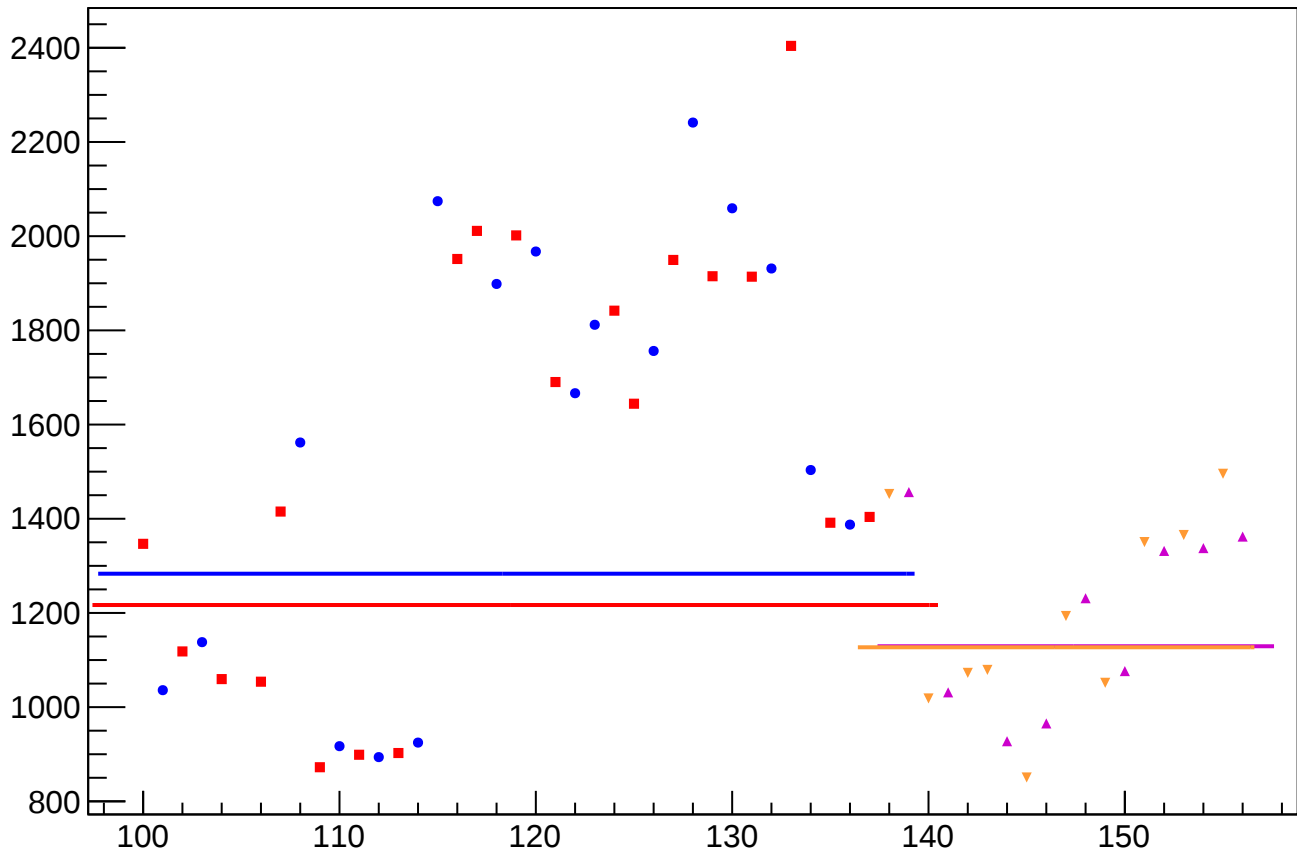
Right Out: -1023.271 ± 480.373 χ^2/NDF : 13.4/19

Left In: -644.406 ± 422.587 χ^2/NDF : 4.1/8

-1338.830 ± 329.157 χ^2/NDF : 54.5/26

-809.691 ± 317.288 χ^2/NDF : 17.8/28

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1127.086+/-0.299 χ^2/NDF : 456975.2/9

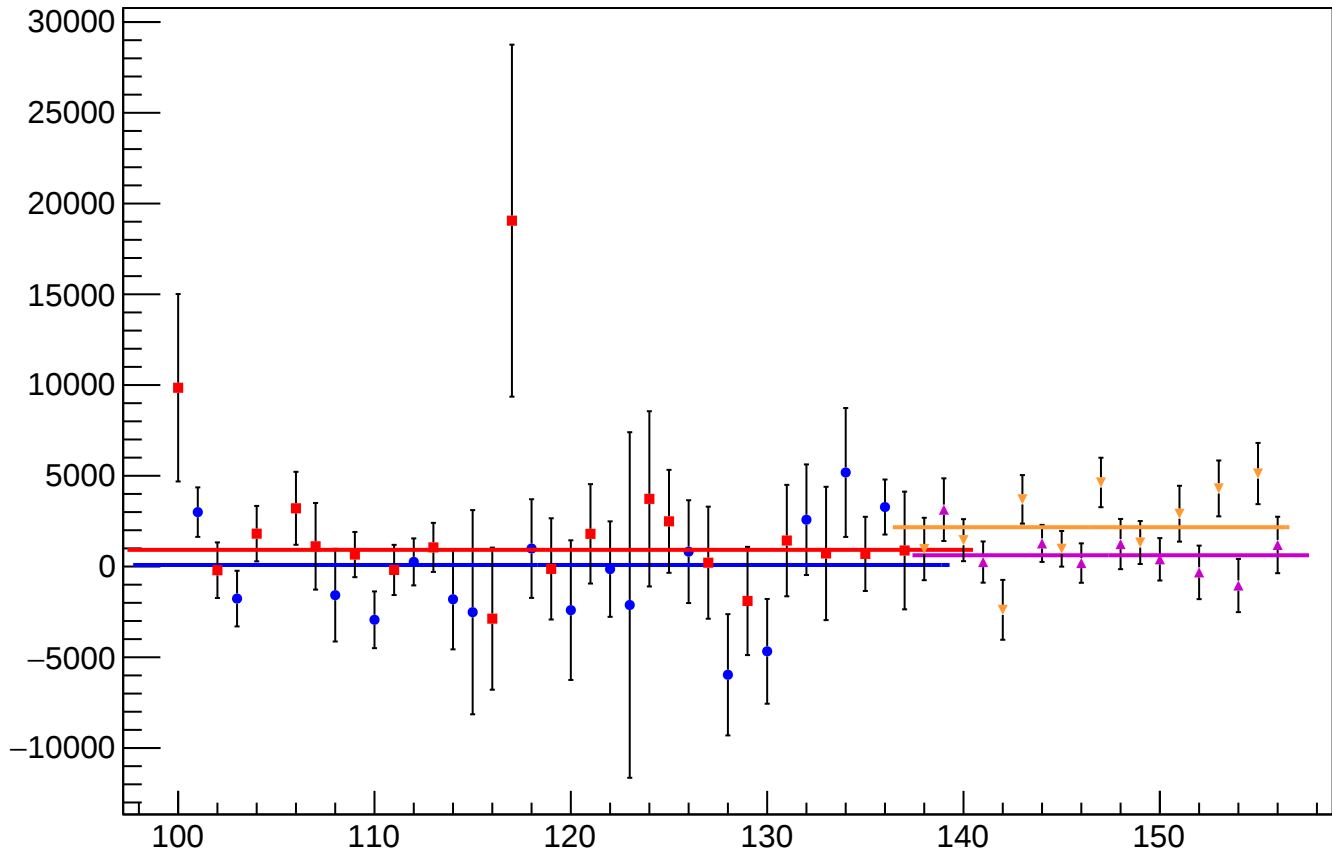
Right Out: 1216.852+/-0.340 χ^2/NDF : 1374416.0/19

Left In: 1129.282+/-0.299 χ^2/NDF : 353190.4/8

1188.810+/-0.233 χ^2/NDF : 1734089.7/26

1167.486+/-0.224 χ^2/NDF : 1765073.6/28

asym_sam_48_avg_mean vs Slug



Right In: 85.077 ± 527.082 χ^2/NDF : 24.7/16

Left Out: 2166.406 ± 426.645 χ^2/NDF : 20.3/9

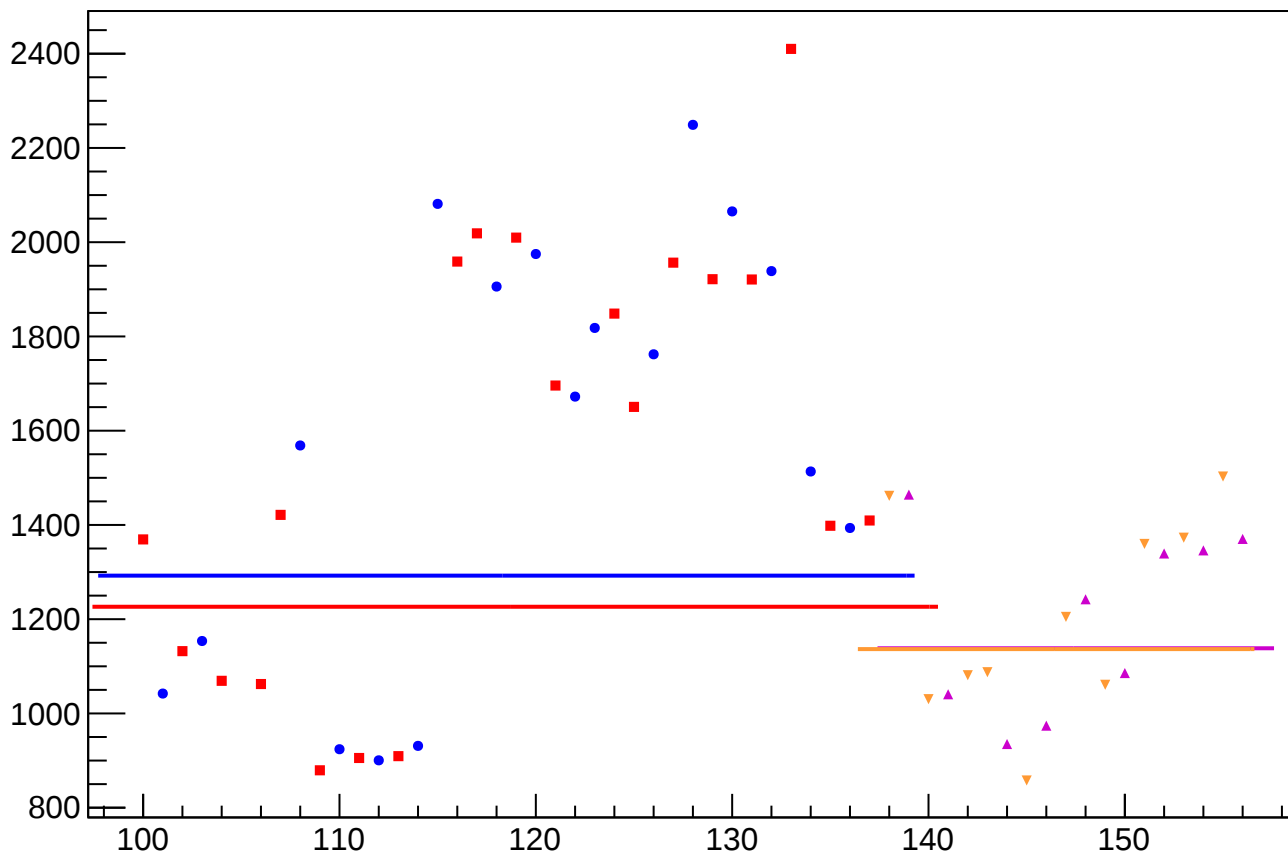
Right Out: 919.892 ± 484.043 χ^2/NDF : 12.2/19

Left In: 621.296 ± 425.868 χ^2/NDF : 4.9/8

1342.522 ± 331.620 χ^2/NDF : 54.4/26

751.581 ± 319.734 χ^2/NDF : 17.3/28

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1136.540+/-0.302 χ^2/NDF : 451052.8/9

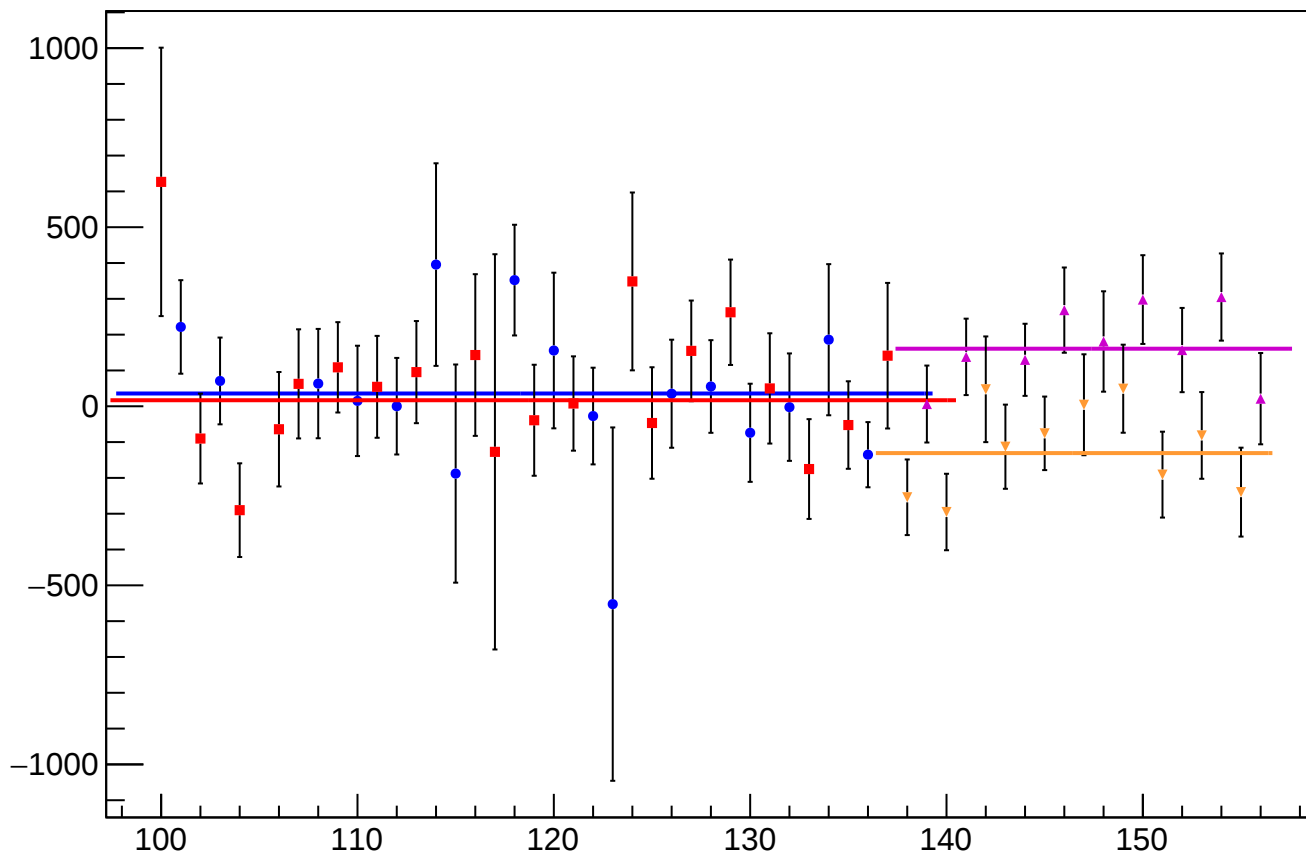
Right Out: 1226.408+/-0.342 χ^2/NDF : 1359134.9/19

Left In: 1138.293+/-0.301 χ^2/NDF : 348471.7/8

1198.247+/-0.234 χ^2/NDF : 1713318.7/26

1176.740+/-0.226 χ^2/NDF : 1744965.1/28

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679 ± 36.350 $\chi^2/\text{NDF}: 15.3/16$

Left Out: -130.729 ± 37.532 $\chi^2/\text{NDF}: 9.8/9$

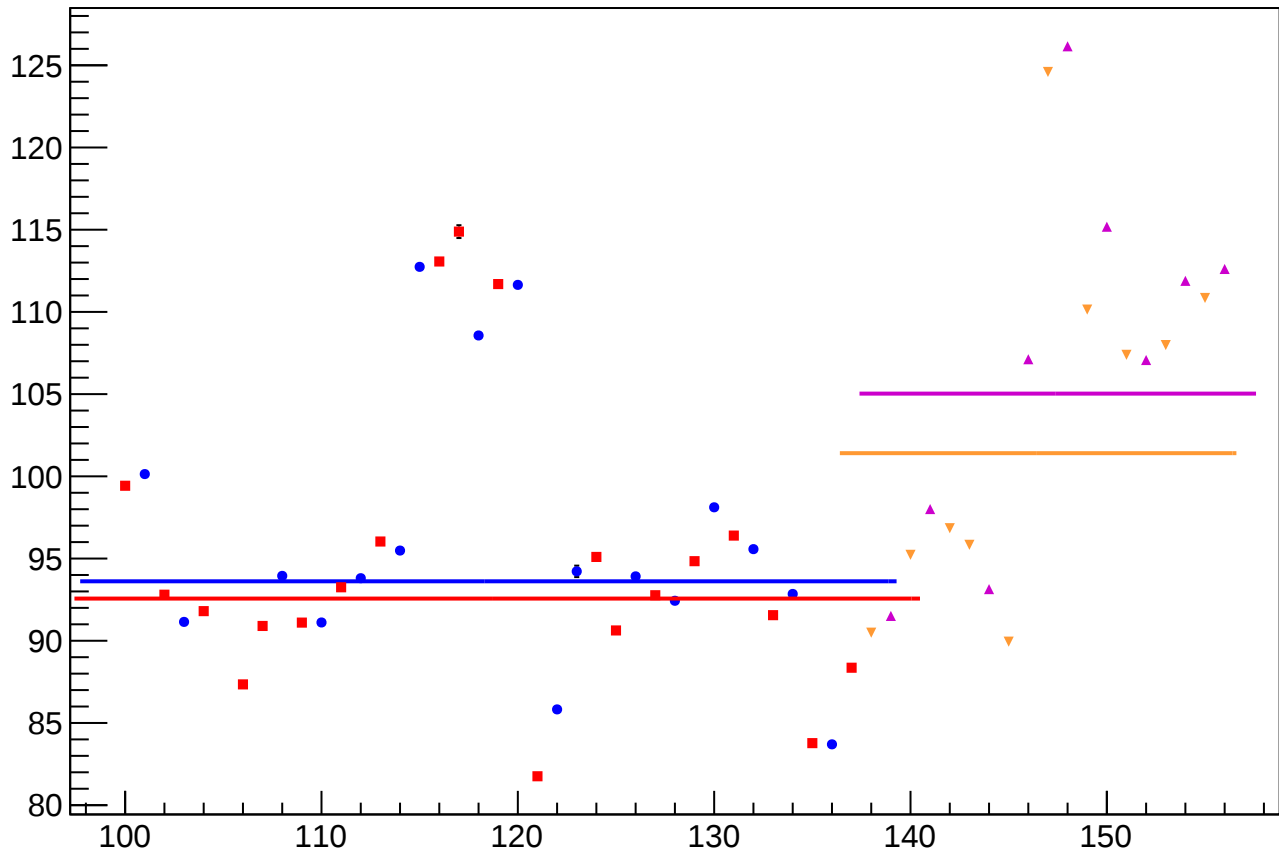
Right Out: 16.849 ± 34.623 $\chi^2/\text{NDF}: 19.0/19$

Left In: 160.723 ± 38.892 $\chi^2/\text{NDF}: 6.9/8$

-44.865 ± 26.111 $\chi^2/\text{NDF}: 35.2/26$

80.459 ± 25.860 $\chi^2/\text{NDF}: 33.5/28$

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 101.409+/-0.027 χ^2/NDF : 146134.4/9

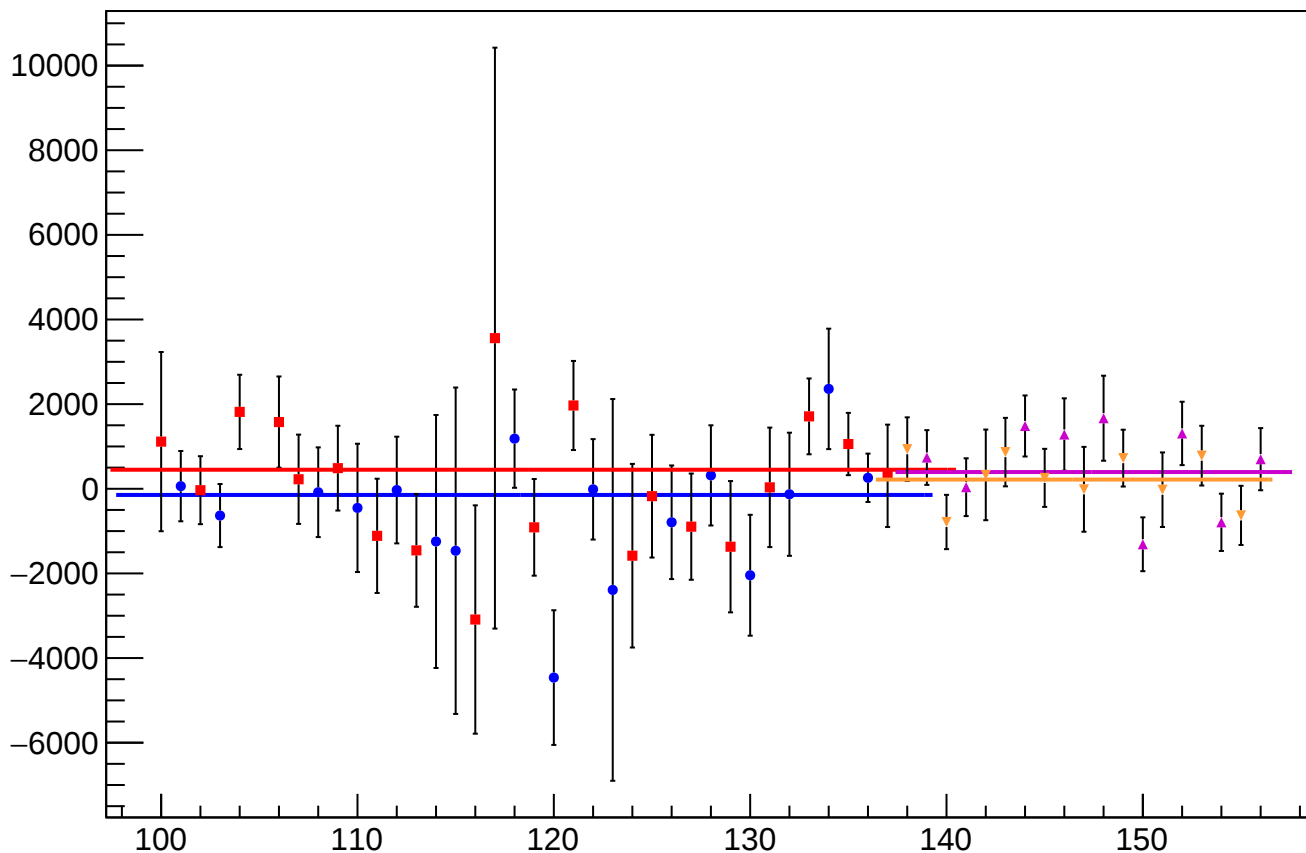
Right Out: 92.565+/-0.024 χ^2/NDF : 81875.5/19

Left In: 105.031+/-0.028 χ^2/NDF : 141743.2/8

97.388+/-0.018 χ^2/NDF : 270550.3/26

98.077+/-0.018 χ^2/NDF : 338244.0/28

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 ± 276.629 χ^2/NDF : 15.5/16

Left Out: 217.336 ± 240.564 χ^2/NDF : 6.8/9

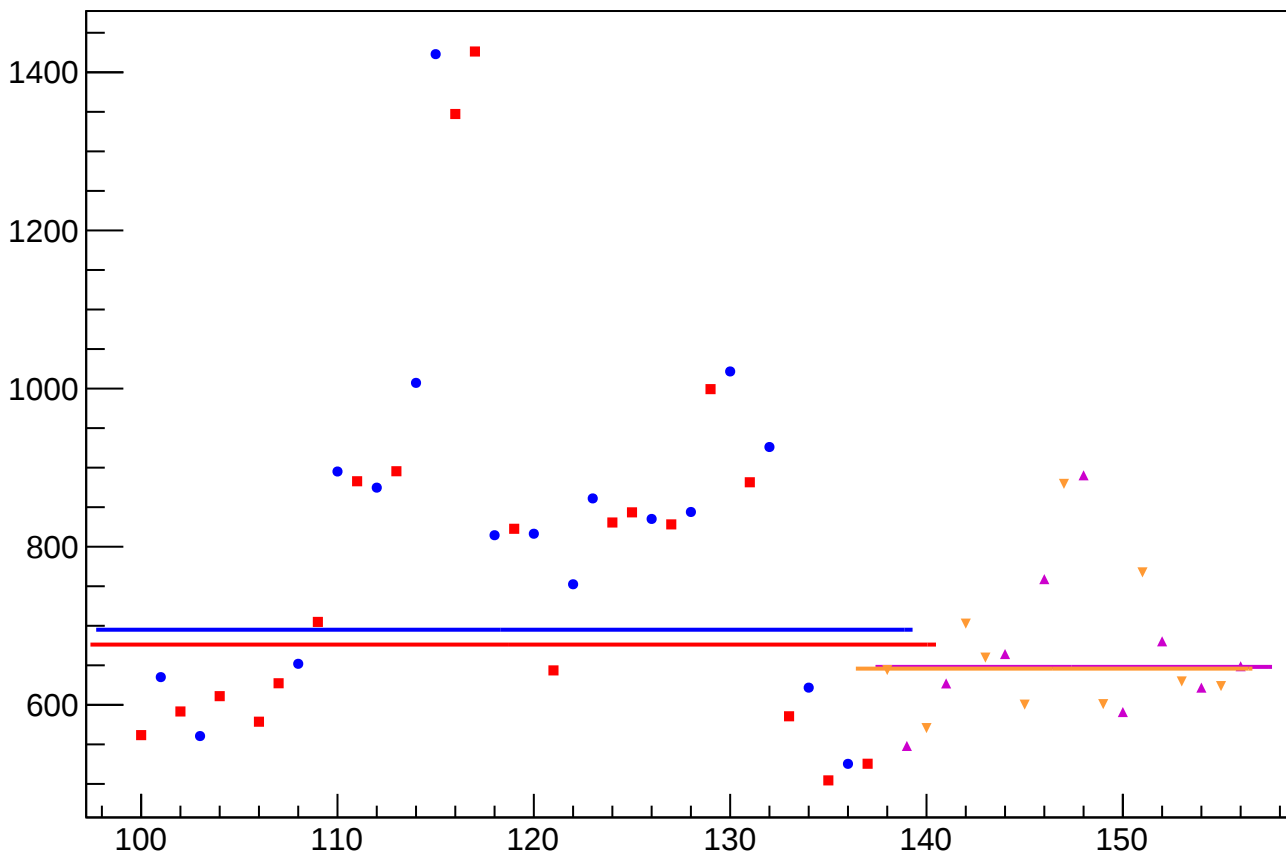
Right Out: 450.047 ± 260.089 χ^2/NDF : 19.2/19

Left In: 395.487 ± 241.764 χ^2/NDF : 17.4/8

61.113 ± 181.525 χ^2/NDF : 23.3/26

420.778 ± 177.077 χ^2/NDF : 36.7/28

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 645.821 $\pm$ 0.170 χ^2 /NDF: 201383.3/9

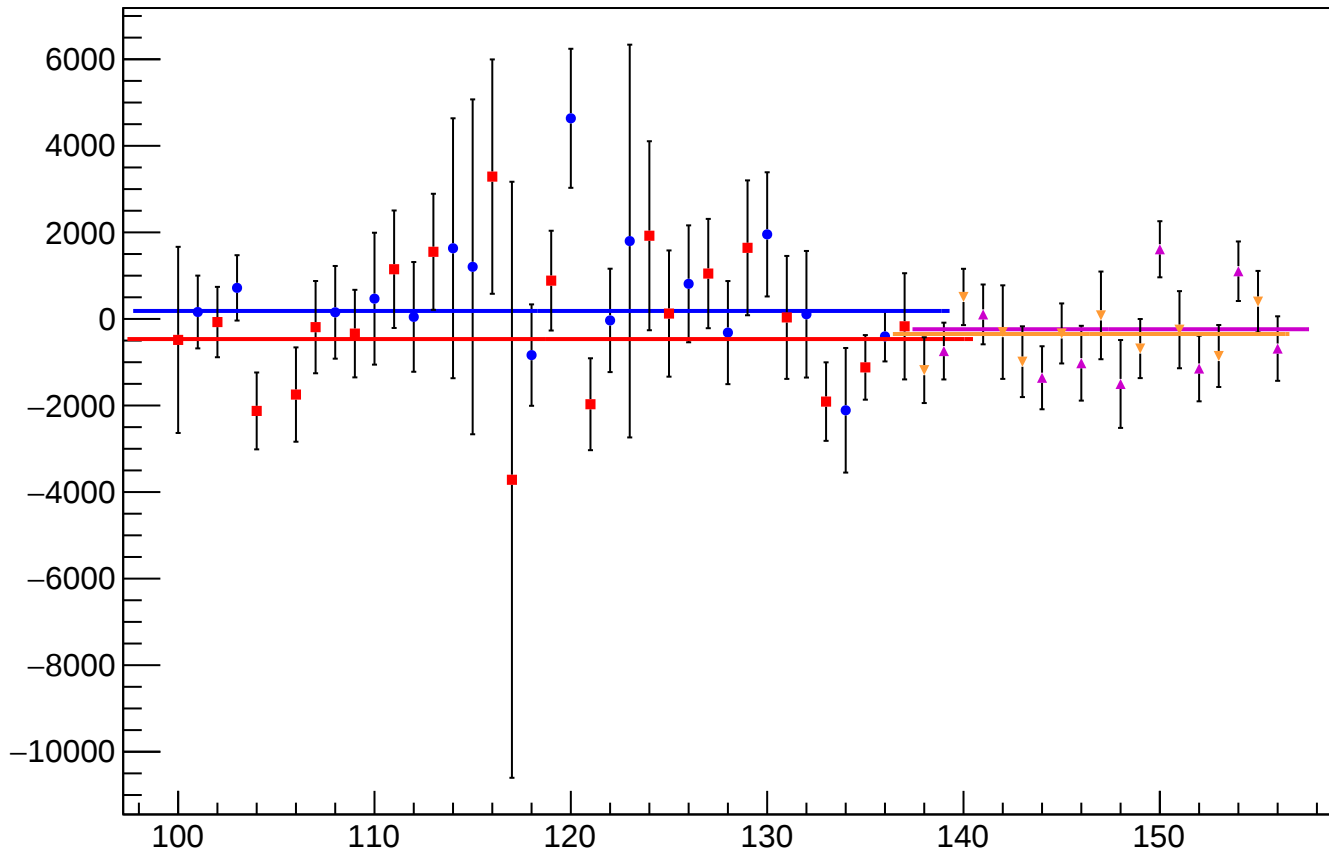
Right Out: 676.229 $\pm$ 0.184 χ^2 /NDF: 700313.6/19

Left In: 648.023 $\pm$ 0.171 χ^2 /NDF: 223528.7/8

667.004 $\pm$ 0.128 χ^2 /NDF: 915108.5/26

661.097 $\pm$ 0.125 χ^2 /NDF: 936461.7/28

asym_sam_15_dd_mean vs Slug



Right In: 184.518 $\pm$ 279.390 χ^2 /NDF: 14.9/16

Left Out: -348.098 $\pm$ 243.681 χ^2 /NDF: 5.6/9

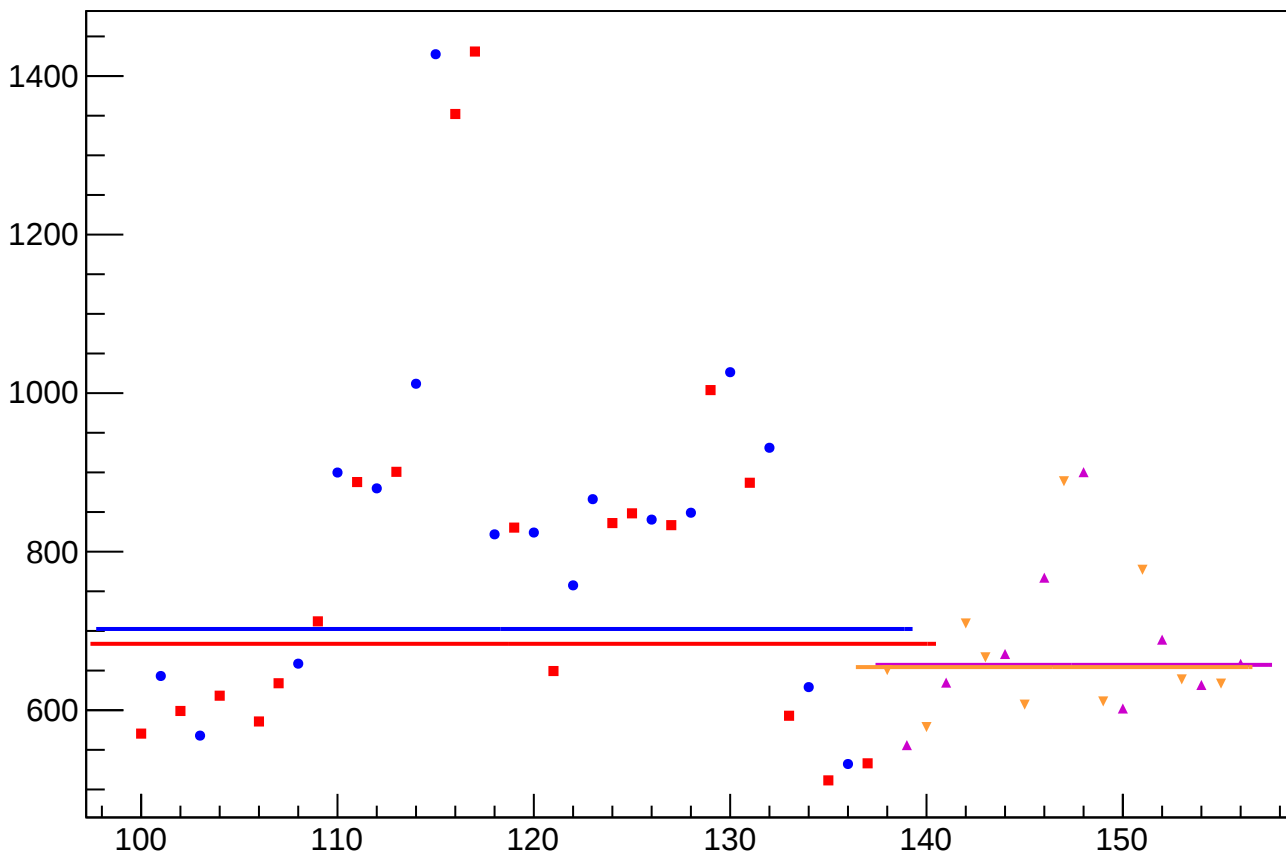
Right Out: -464.916 $\pm$ 262.768 χ^2 /NDF: 22.5/19

Left In: -237.843 $\pm$ 245.102 χ^2 /NDF: 19.3/8

-117.982 $\pm$ 183.644 χ^2 /NDF: 22.6/26

-343.490 $\pm$ 179.234 χ^2 /NDF: 42.2/28

asym_sam_15_dd_rms vs Slug



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 654.397+/-0.172 χ^2/NDF : 197923.6/9

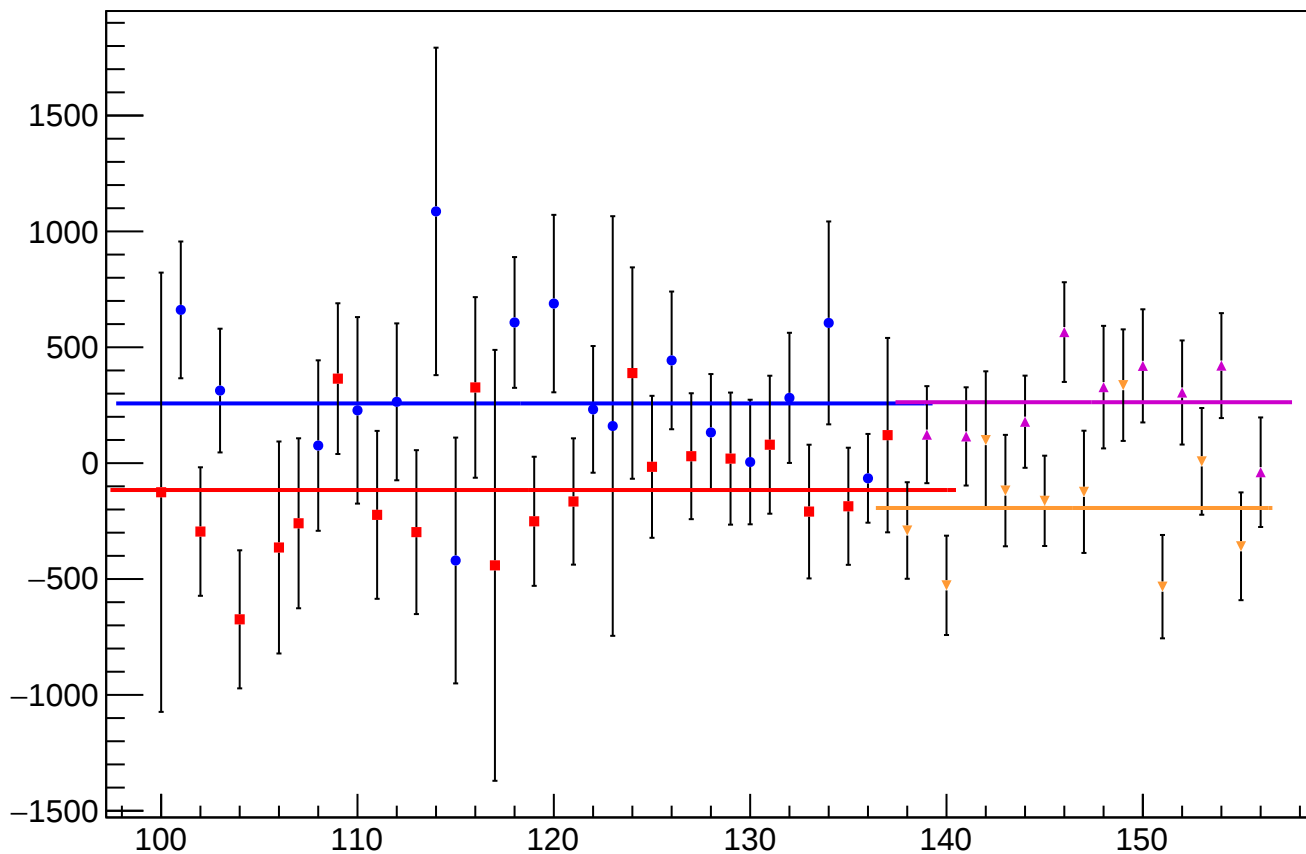
Right Out: 683.751+/-0.186 χ^2/NDF : 683105.3/19

Left In: 657.208+/-0.173 χ^2/NDF : 218162.8/8

675.166+/-0.130 χ^2/NDF : 892077.0/26

669.557+/-0.127 χ^2/NDF : 912181.2/28

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 ± 75.931 χ^2/NDF : 13.0/16

Left Out: -193.465 ± 72.760 χ^2/NDF : 12.2/9

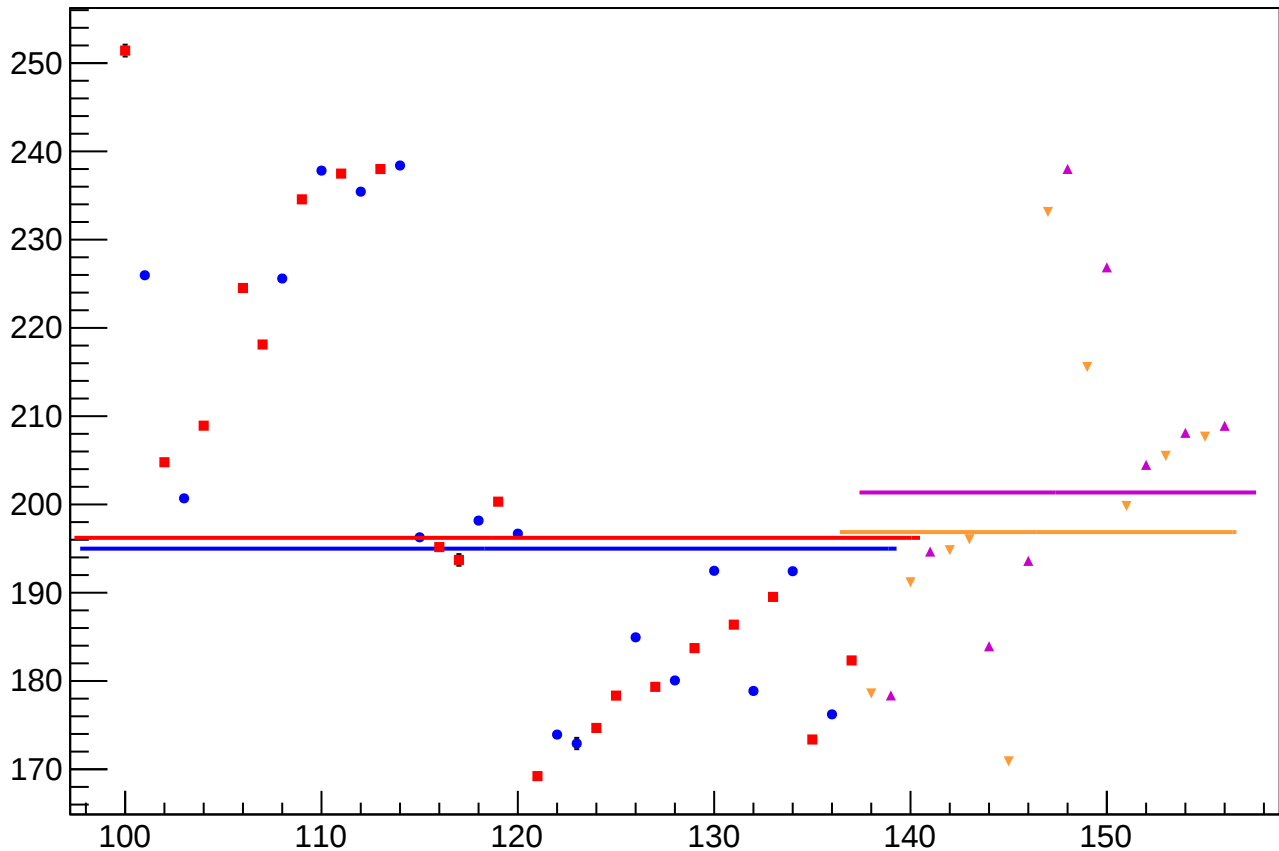
Right Out: -115.922 ± 73.976 χ^2/NDF : 11.4/19

Left In: 262.947 ± 74.479 χ^2/NDF : 5.7/8

22.510 ± 52.534 χ^2/NDF : 43.7/26

72.228 ± 52.486 χ^2/NDF : 30.1/28

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 196.870 $\pm$ 0.051 χ^2 /NDF:109843.6/9

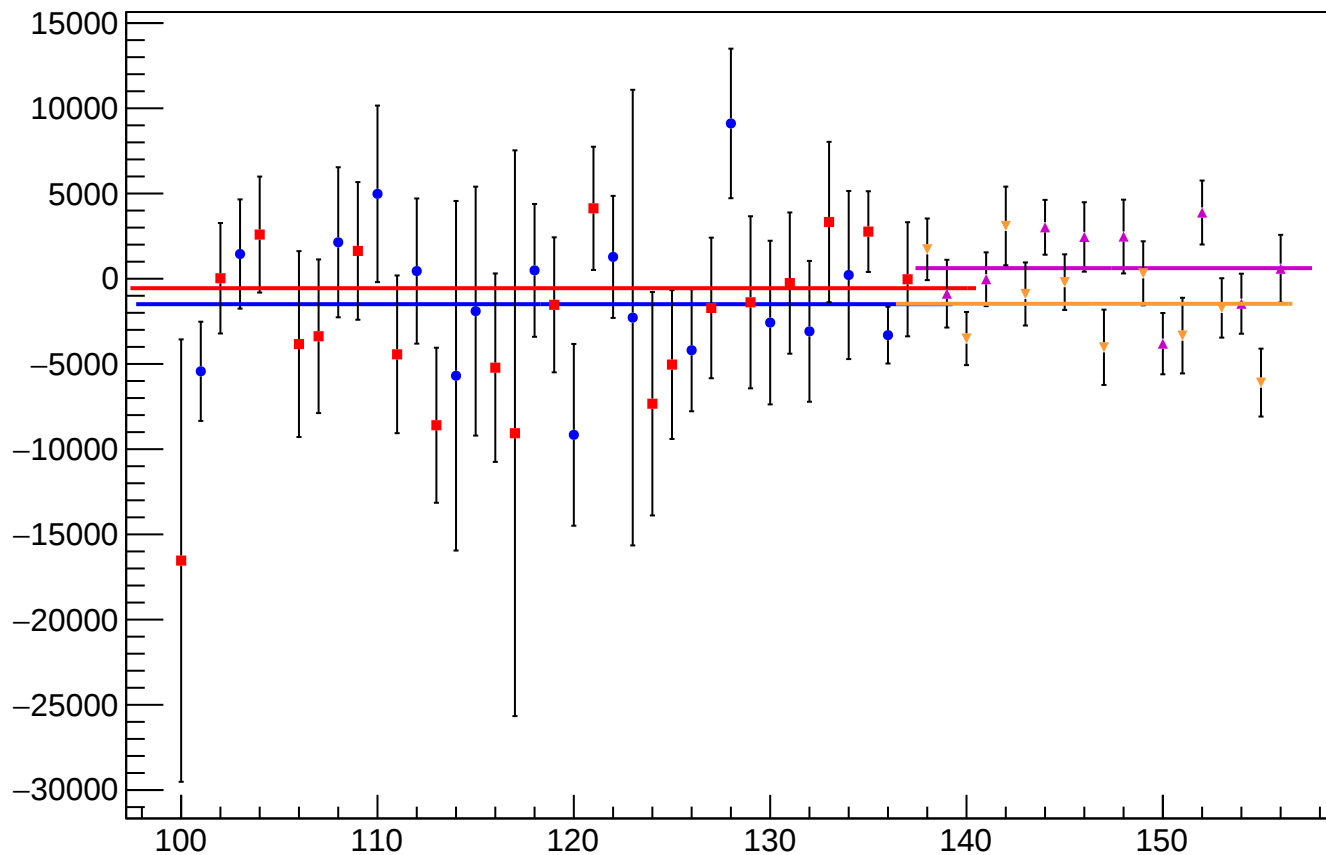
Right Out: 196.219 $\pm$ 0.052 χ^2 /NDF: 173506.2/19

Left In: 201.356 $\pm$ 0.053 χ^2 /NDF:108536.4/8

195.972 $\pm$ 0.037 χ^2 /NDF: 254750.9/26

198.770 $\pm$ 0.037 χ^2 /NDF: 286831.9/28

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -1469.457 ± 592.795 χ^2/NDF : 17.8/9

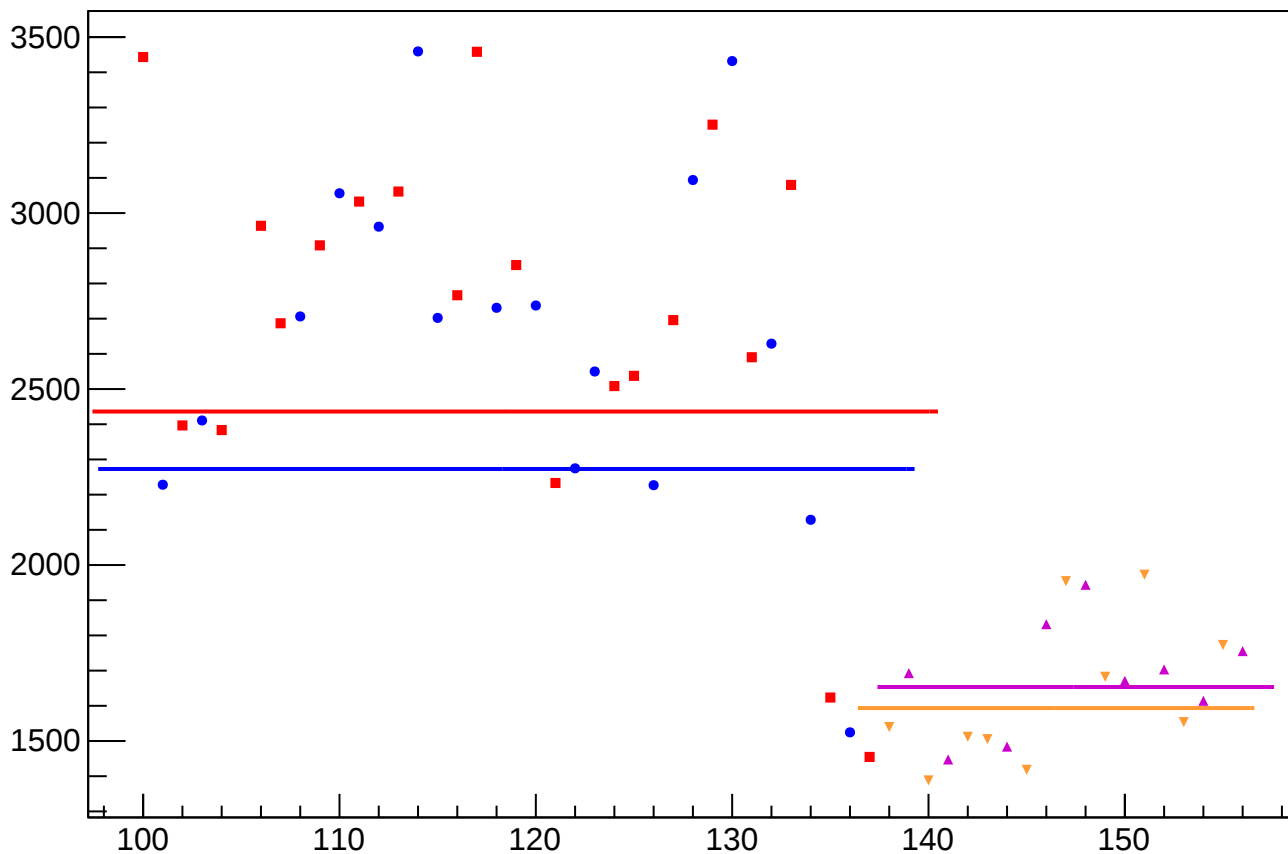
Right Out: -555.744 ± 933.239 χ^2/NDF : 14.9/19

Left In: 620.511 ± 612.656 χ^2/NDF : 15.0/8

-1476.545 ± 496.838 χ^2/NDF : 34.0/26

266.254 ± 512.155 χ^2/NDF : 31.0/28

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1593.607+/-0.419 χ^2/NDF : 199995.5/9

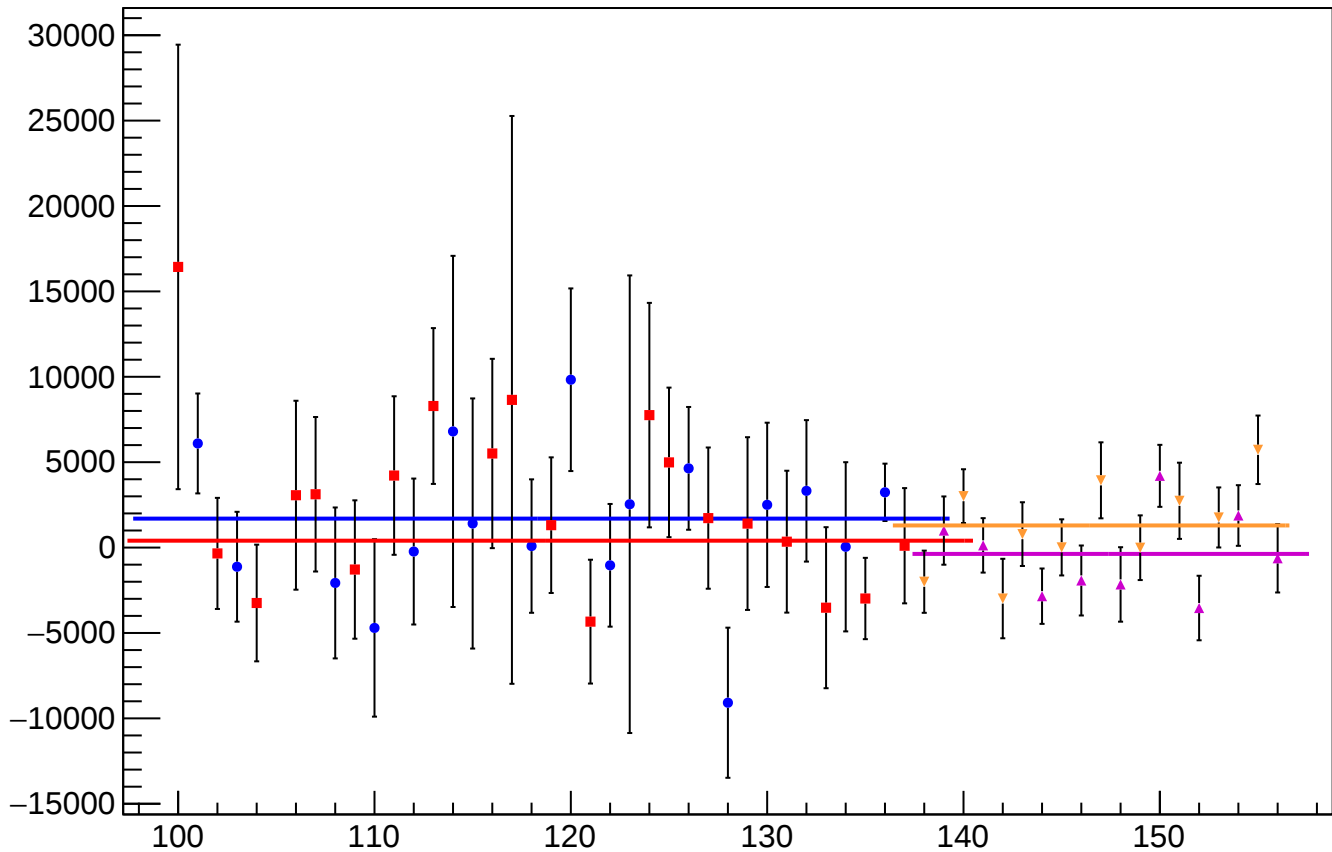
Right Out: 2436.191+/-0.660 χ^2/NDF : 688391.3/19

Left In: 1653.436+/-0.433 χ^2/NDF : 116212.4/8

1795.721+/-0.351 χ^2/NDF : 1787029.1/26

1889.181+/-0.362 χ^2/NDF : 1787857.1/28

asym_sam_26_dd_mean vs Slug



Right In: 1695.956+/-914.855 χ^2/NDF : 16.6/16

Left Out: 1295.740+/-597.486 χ^2/NDF : 15.8/9

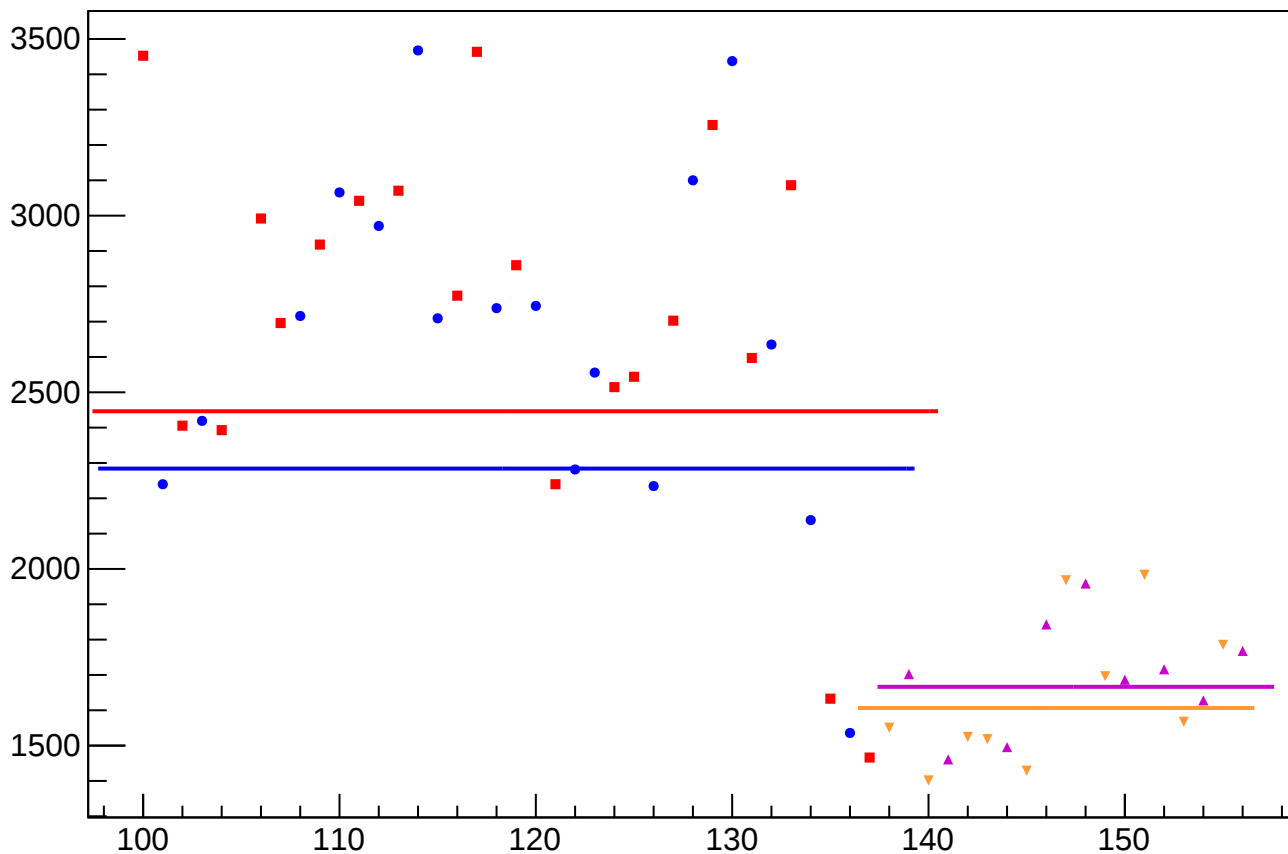
Right Out: 403.904+/-937.036 χ^2/NDF : 15.2/19

Left In: -370.835+/-617.384 χ^2/NDF : 14.9/8

1415.404+/-500.250 χ^2/NDF : 32.5/26

-136.320+/-515.542 χ^2/NDF : 30.6/28

asym_sam_26_dd_rms vs Slug



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1606.515+/-0.422 χ^2/NDF : 197402.8/9

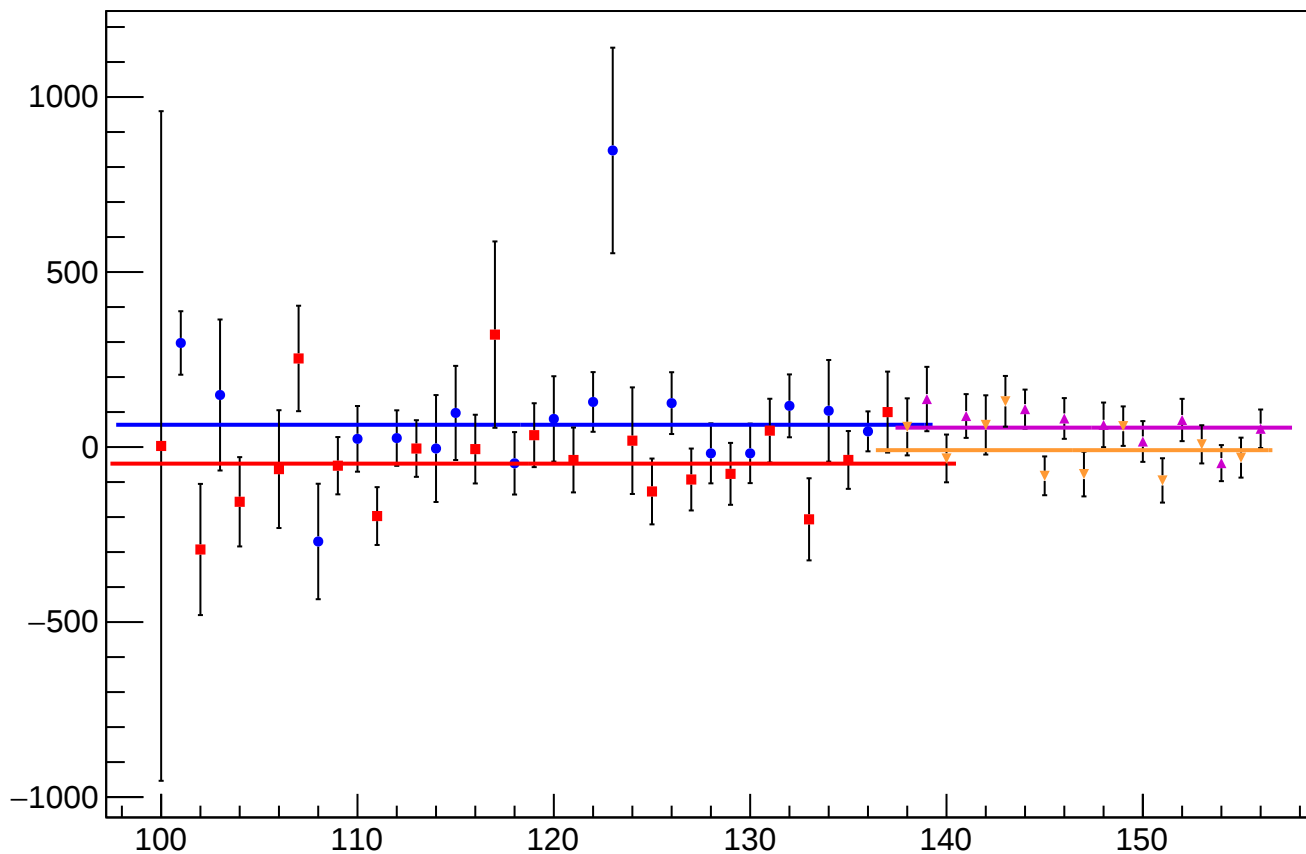
Right Out: 2446.366+/-0.663 χ^2/NDF : 680413.3/19

Left In: 1666.384+/-0.437 χ^2/NDF : 114600.8/8

1809.113+/-0.354 χ^2/NDF : 1760485.2/26

1902.487+/-0.365 χ^2/NDF : 1761297.5/28

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: -8.885 ± 20.110 χ^2/NDF : 11.7/9

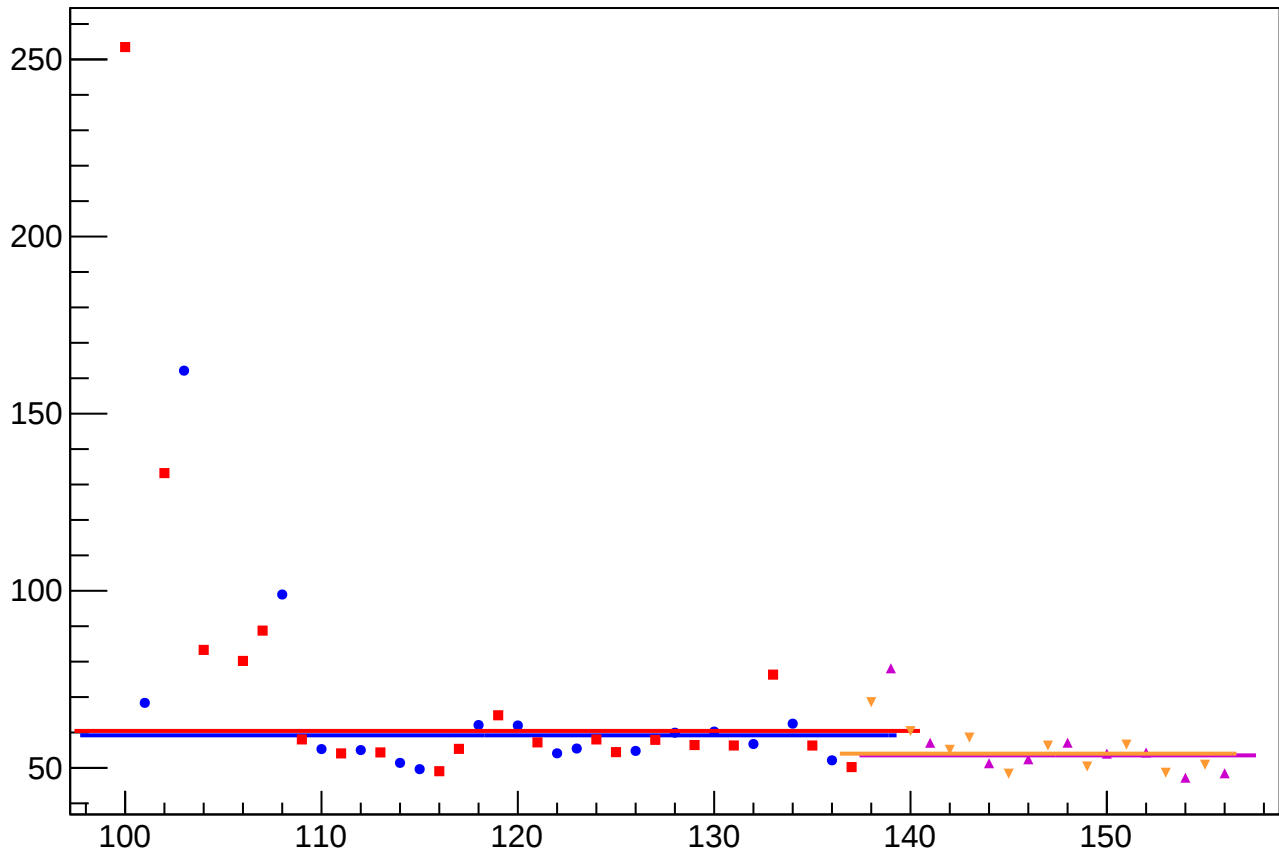
Right Out: -47.367 ± 23.568 χ^2/NDF : 18.7/19

Left In: 55.448 ± 19.948 χ^2/NDF : 6.7/8

21.422 ± 15.345 χ^2/NDF : 40.8/26

12.535 ± 15.226 χ^2/NDF : 36.5/28

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200 ± 0.017 $\chi^2/\text{NDF}: 665472.4/16$

Left Out: 54.026 ± 0.014 $\chi^2/\text{NDF}: 149617.1/9$

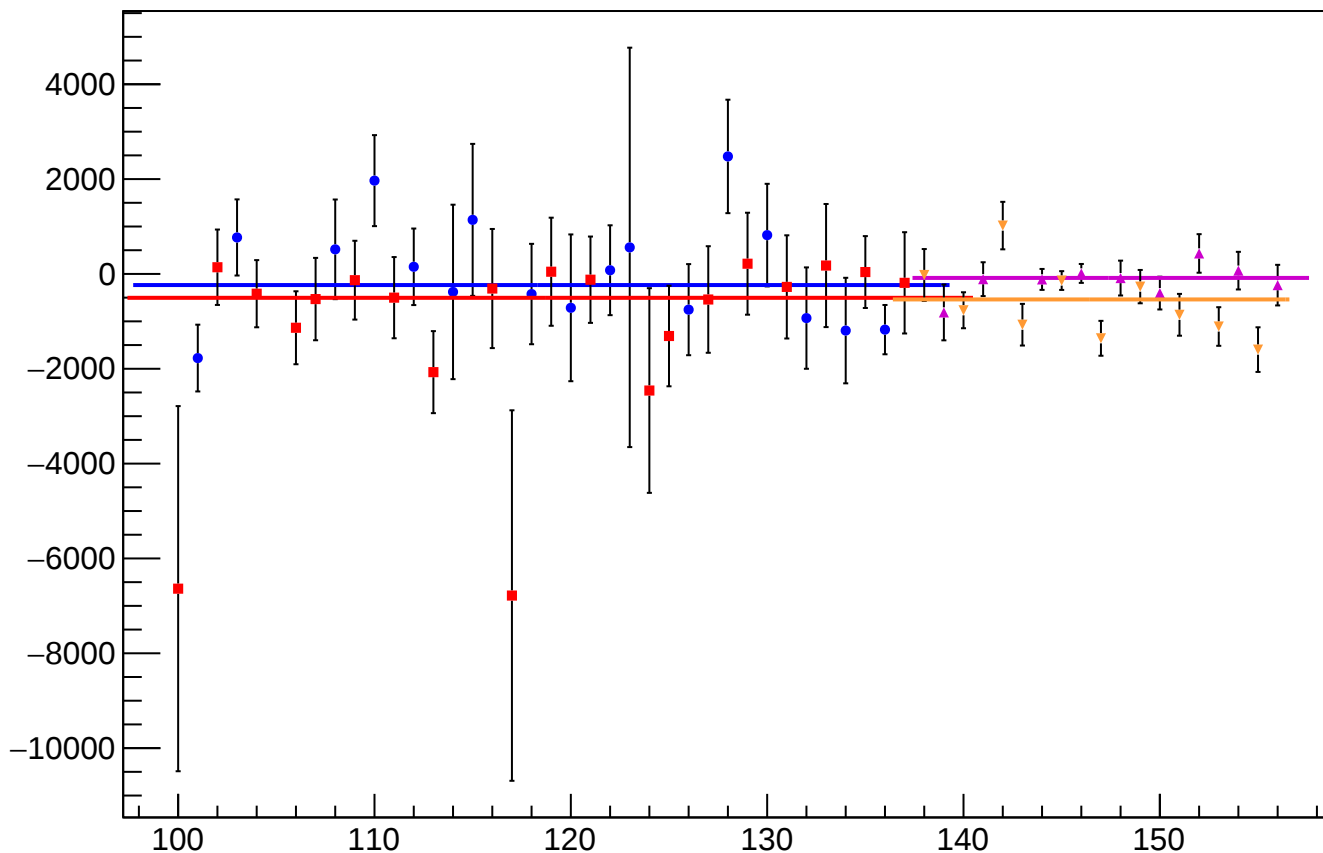
Right Out: 60.443 ± 0.017 $\chi^2/\text{NDF}: 680790.3/19$

Left In: 53.540 ± 0.014 $\chi^2/\text{NDF}: 206898.6/8$

56.188 ± 0.011 $\chi^2/\text{NDF}: 870391.9/26$

56.421 ± 0.011 $\chi^2/\text{NDF}: 987645.9/28$

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492+/-233.880 χ^2 /NDF: 24.2/16

Left Out: -537.937+/-114.588 χ^2 /NDF: 29.6/9

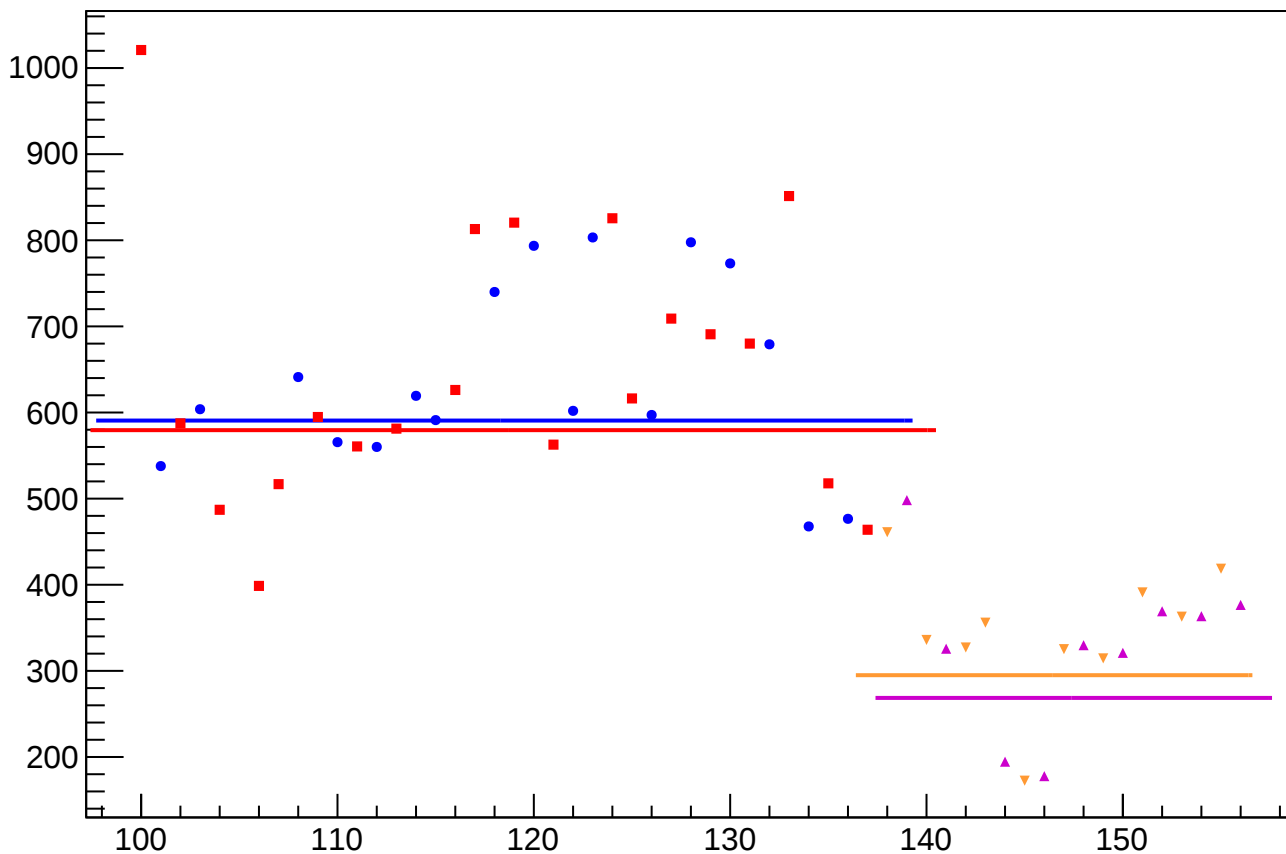
Right Out: -503.638+/-221.955 χ^2 /NDF: 13.2/19

Left In: -84.163+/-105.396 χ^2 /NDF: 4.5/8

-479.197+/-102.901 χ^2 /NDF: 55.1/26

-161.346+/-95.207 χ^2 /NDF: 20.6/28

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659 ± 0.165 χ^2/NDF : 352080.1/16

Left Out: 294.982 ± 0.081 χ^2/NDF : 1328599.4/9

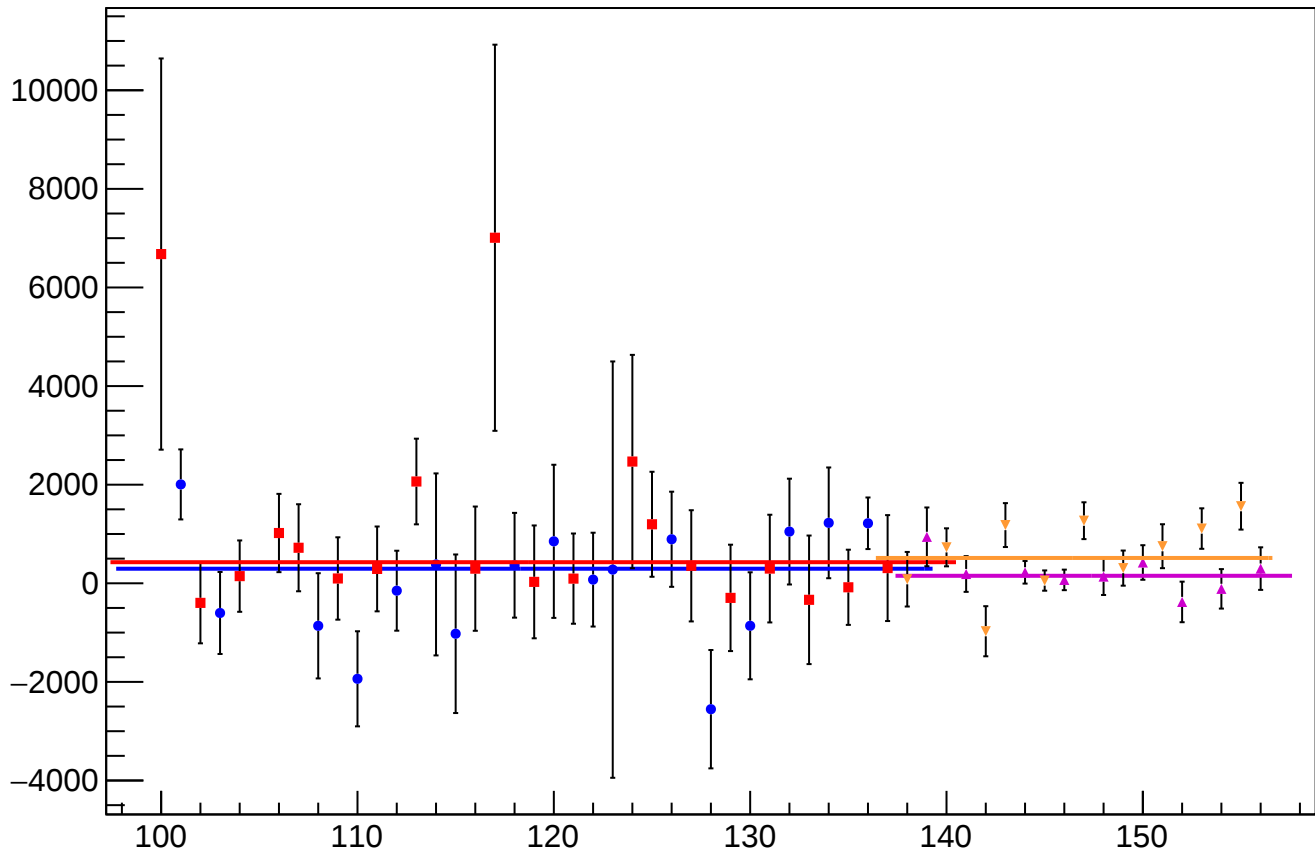
Right Out: 579.509 ± 0.157 χ^2/NDF : 501132.1/19

Left In: 268.601 ± 0.075 χ^2/NDF : 1460874.2/8

352.219 ± 0.073 χ^2/NDF : 4258434.7/26

325.807 ± 0.067 χ^2/NDF : 5164273.7/28

asym_sam_37_dd_mean vs Slug



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 513.880 $\pm$ 117.033 χ^2 /NDF: 28.4/9

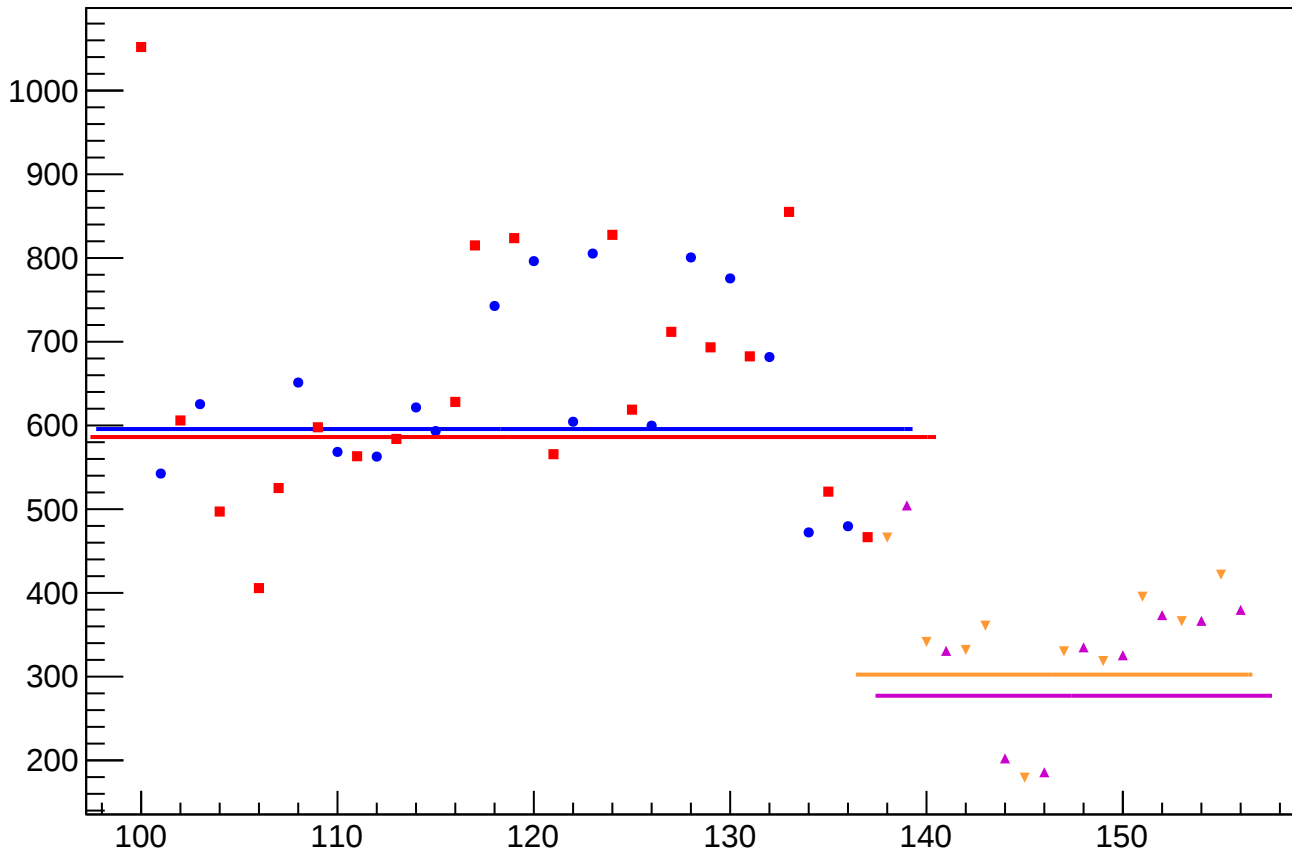
Right Out: 427.853 $\pm$ 224.485 χ^2 /NDF: 13.8/19

Left In: 152.222 $\pm$ 108.200 χ^2 /NDF: 4.8/8

470.715 $\pm$ 104.836 χ^2 /NDF: 55.2/26

204.184 $\pm$ 97.469 χ^2 /NDF: 19.9/28

asym_sam_37_dd_rms vs Slug



Right In: 595.734+/-0.167 χ^2/NDF : 350058.2/16

Left Out: 302.410+/-0.083 χ^2/NDF :1230440.3/9

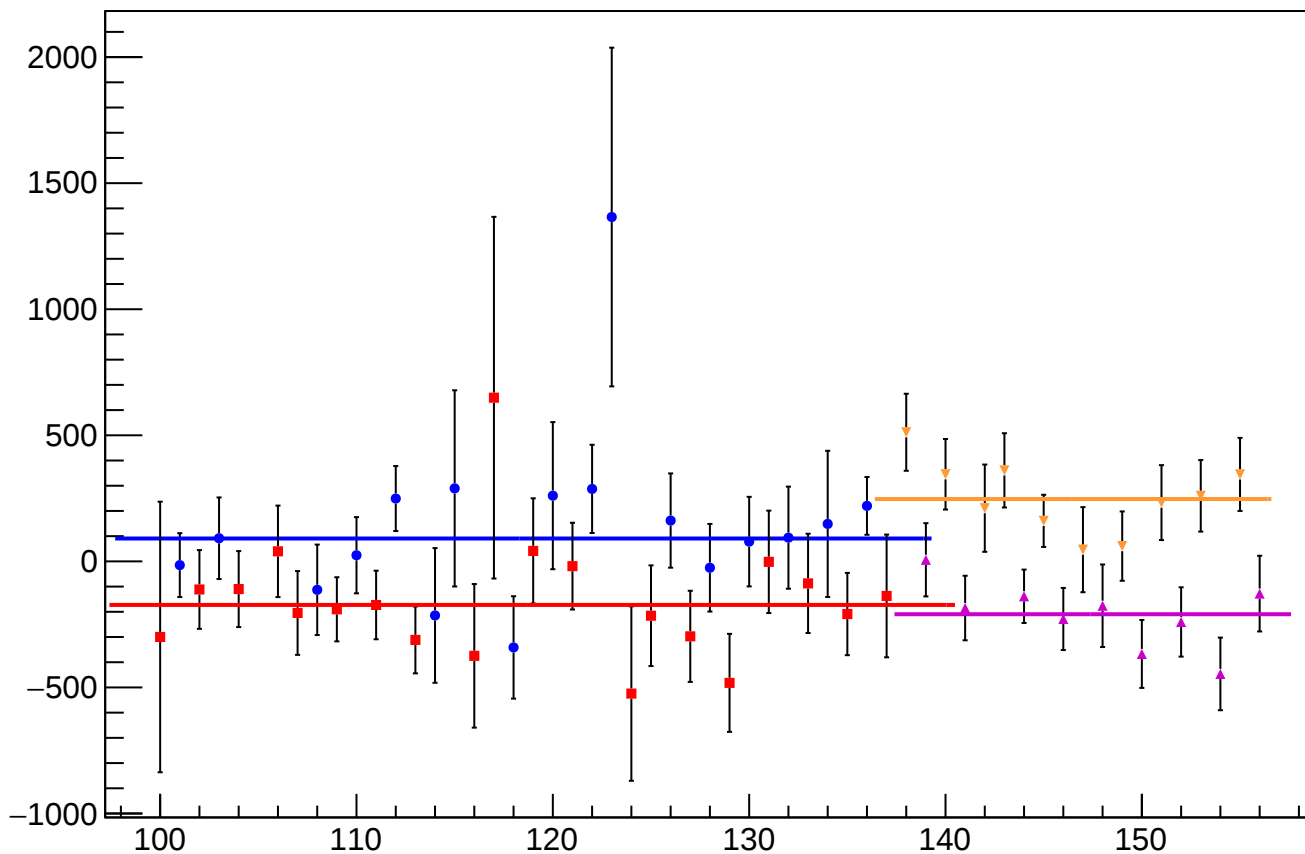
Right Out: 586.176+/-0.159 χ^2/NDF : 481325.4/19

Left In: 277.151+/-0.077 χ^2/NDF :1342400.4/8

360.361+/-0.074 χ^2/NDF : 4062615.5/26

335.409+/-0.069 χ^2/NDF : 4899243.3/28

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 247.300+/-44.832 χ^2/NDF : 8.6/9

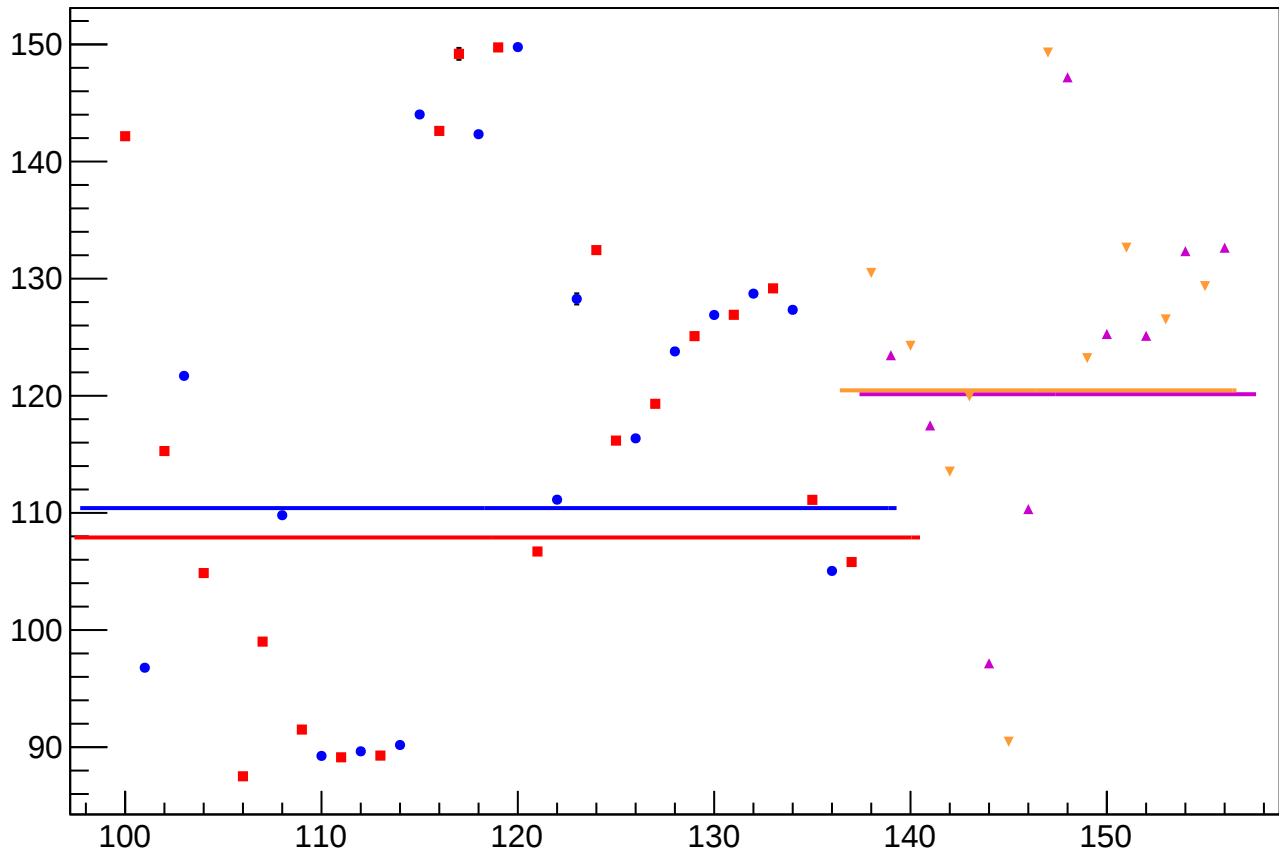
Right Out: -172.786+/-41.033 χ^2/NDF : 11.6/19

Left In: -209.598+/-44.654 χ^2/NDF : 7.2/8

166.306+/-31.150 χ^2/NDF : 31.8/26

-189.639+/-30.214 χ^2/NDF : 19.2/28

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411+/-0.031 χ^2/NDF : 296425.4/16

Left Out: 120.463+/-0.032 χ^2/NDF : 265355.9/9

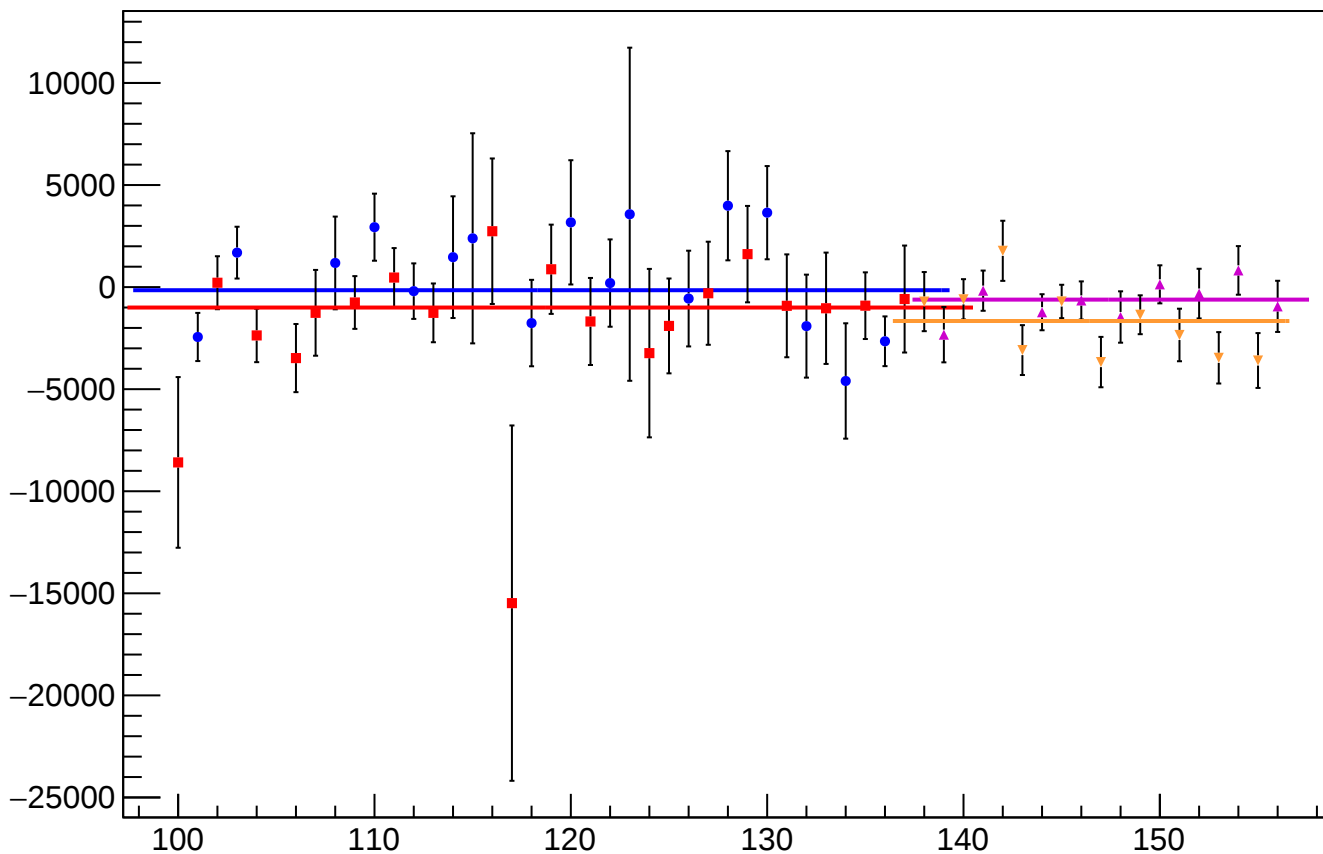
Right Out: 107.903+/-0.029 χ^2/NDF : 351091.4/19

Left In: 120.133+/-0.032 χ^2/NDF : 197268.8/8

115.264+/-0.022 χ^2/NDF : 613787.4/26

113.503+/-0.021 χ^2/NDF : 629701.1/28

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403 ± 464.753 χ^2/NDF : 24.7/16

Left Out: -1660.650 ± 360.894 χ^2/NDF : 16.9/9

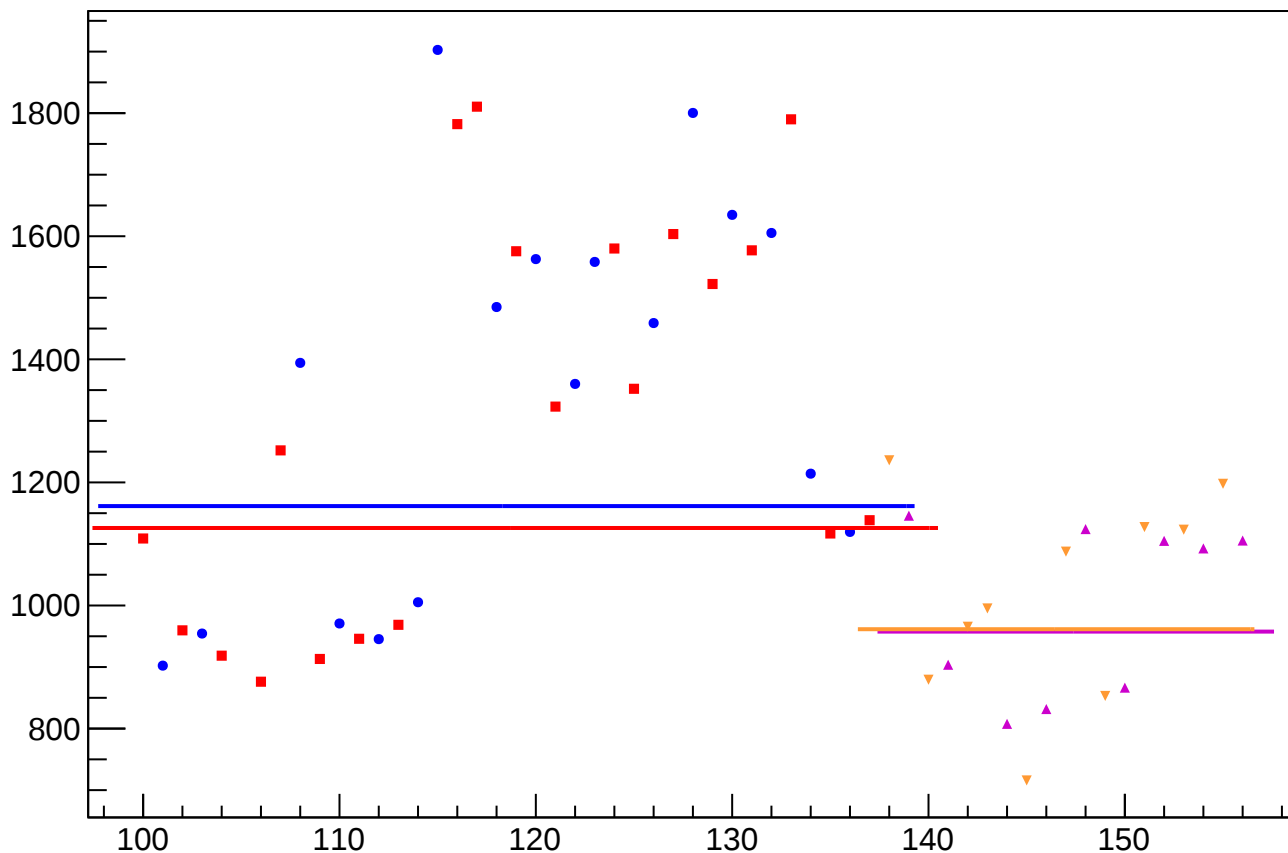
Right Out: -1000.907 ± 434.569 χ^2/NDF : 15.1/19

Left In: -612.963 ± 357.978 χ^2/NDF : 5.0/8

-1093.294 ± 285.045 χ^2/NDF : 48.2/26

-769.791 ± 276.304 χ^2/NDF : 20.5/28

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530 $\pm$ 0.329 χ^2 /NDF: 695906.9/16

Left Out: 961.466 $\pm$ 0.255 χ^2 /NDF:442664.9/9

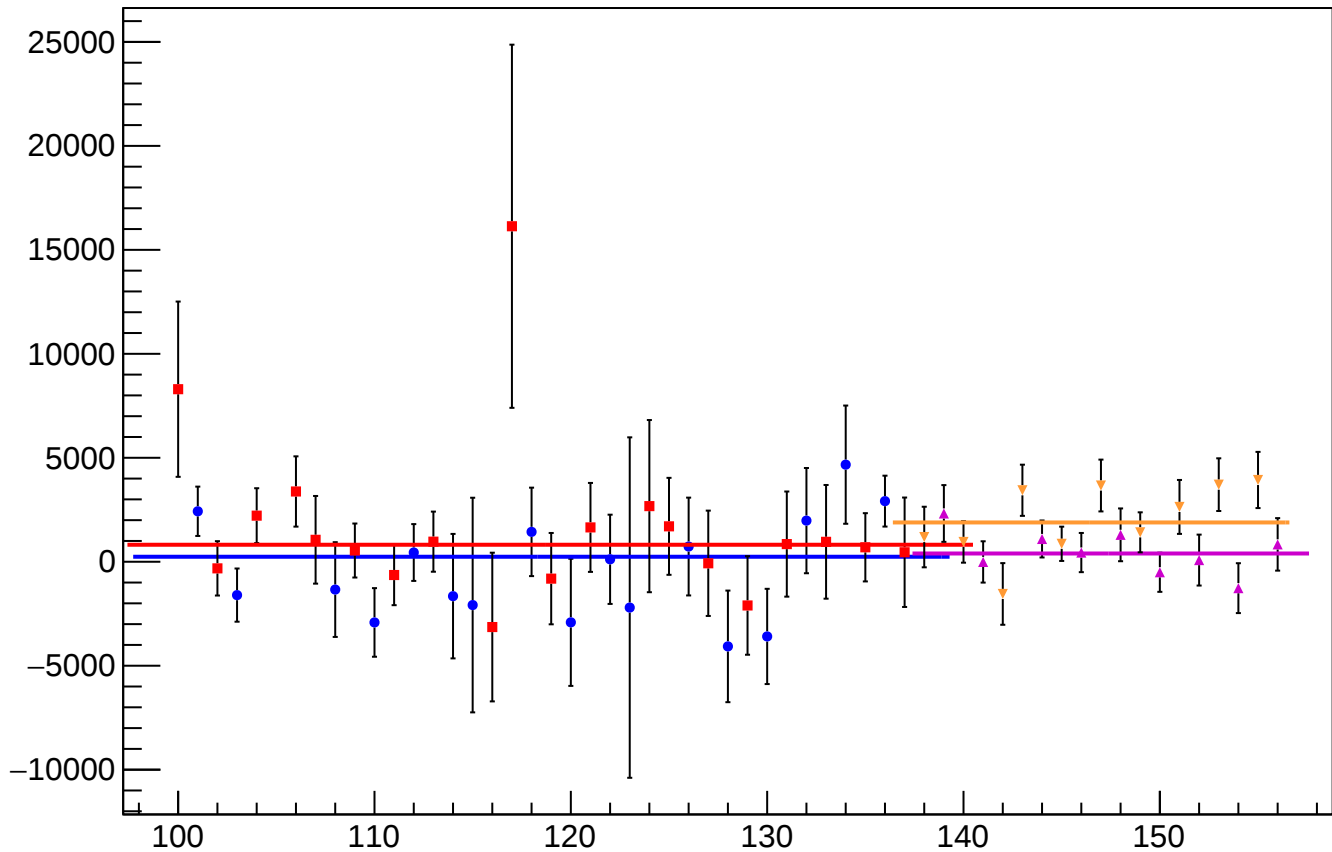
Right Out: 1125.946 $\pm$ 0.307 χ^2 /NDF: 780195.3/19

Left In: 957.589 $\pm$ 0.253 χ^2 /NDF:275608.8/8

1036.724 $\pm$ 0.202 χ^2 /NDF: 1369773.6/26

1025.648 $\pm$ 0.195 χ^2 /NDF: 1234631.4/28

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1890.040 $\pm$ 363.845 χ^2 /NDF:16.6/9

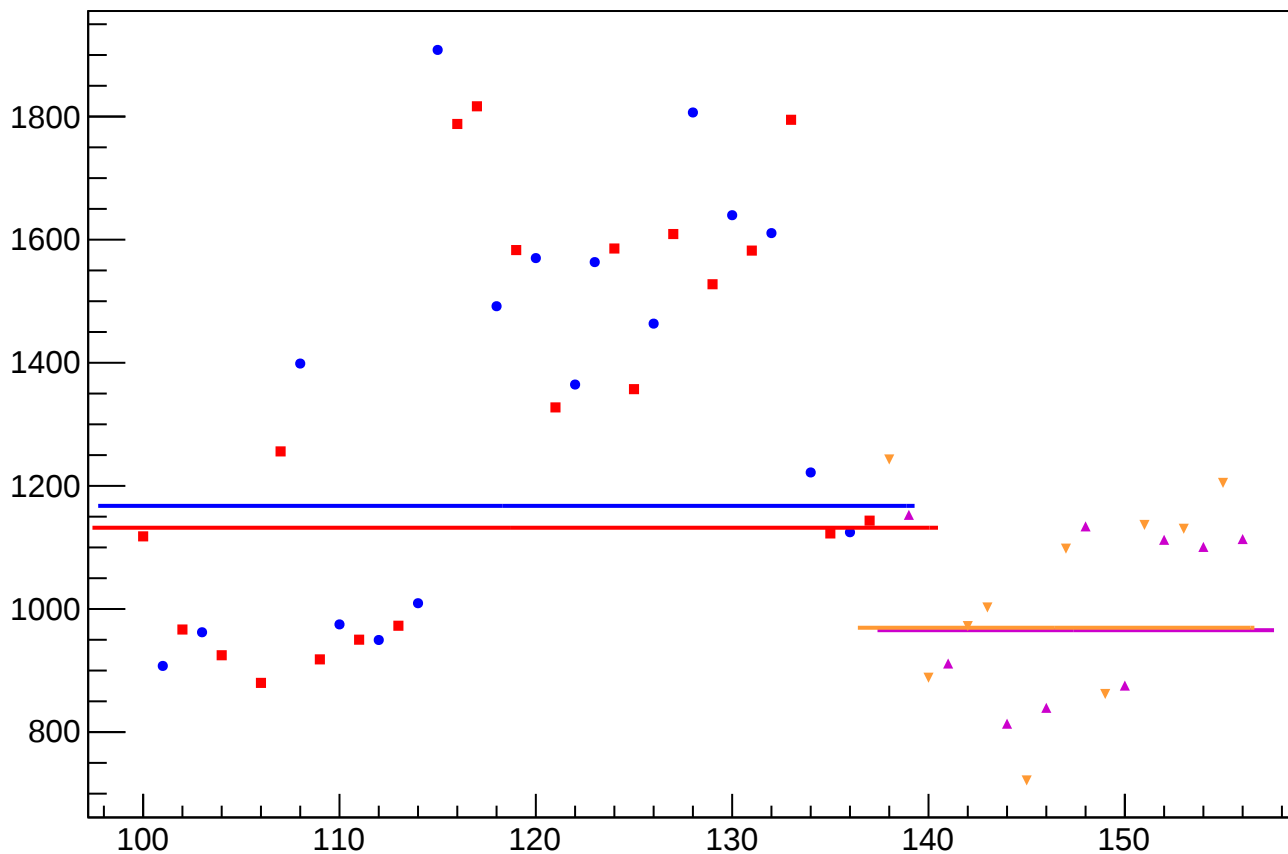
Right Out: 817.635 $\pm$ 436.939 χ^2 /NDF: 15.4/19

Left In: 397.320 $\pm$ 360.896 χ^2 /NDF:6.3/8

1267.110 $\pm$ 287.025 χ^2 /NDF: 49.2/26

567.777 $\pm$ 278.254 χ^2 /NDF: 22.3/28

asym_sam_48_dd_rms vs Slug



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 969.546 $\pm$ 0.257 χ^2 /NDF: 438588.9/9

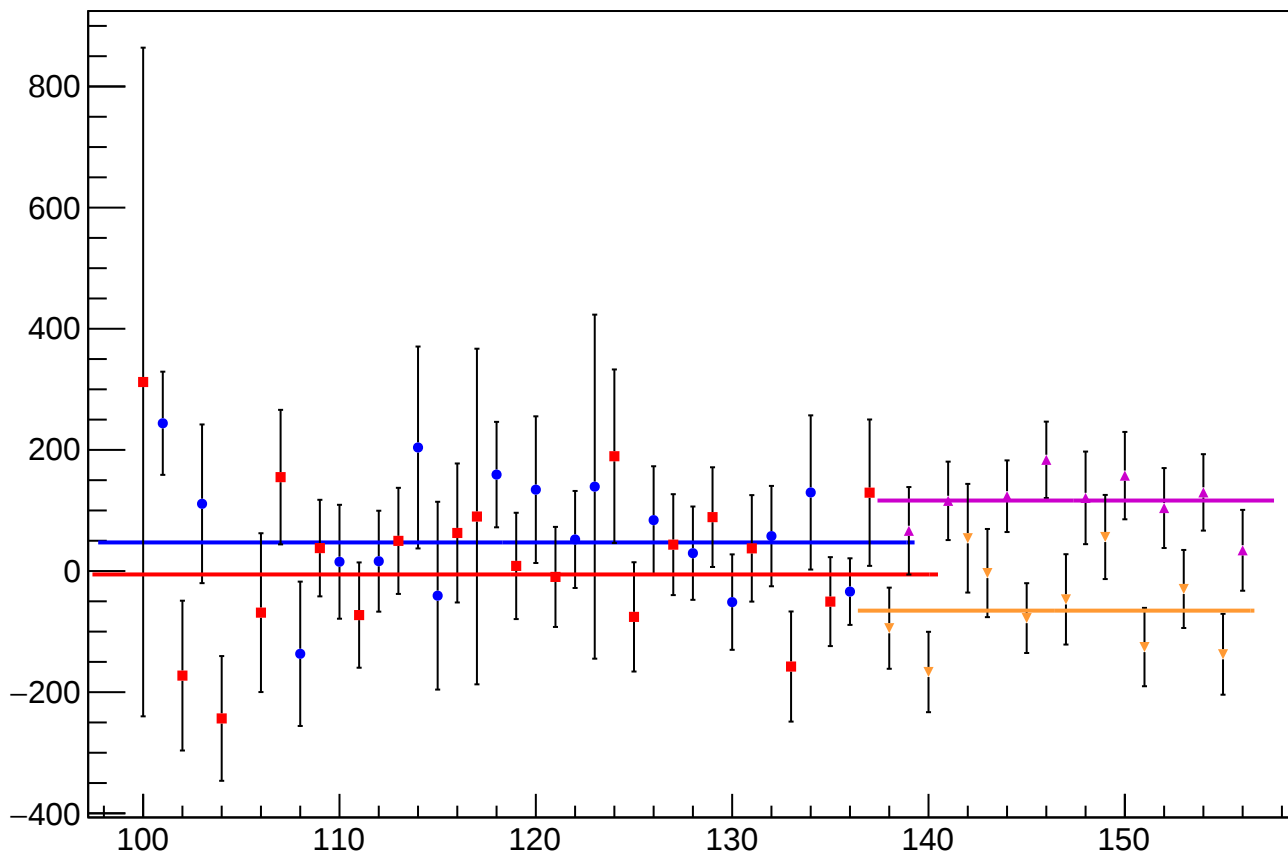
Right Out: 1132.019 $\pm$ 0.309 χ^2 /NDF: 773827.8/19

Left In: 965.563 $\pm$ 0.255 χ^2 /NDF: 273077.5/8

1044.326 $\pm$ 0.203 χ^2 /NDF: 1352757.5/26

1033.069 $\pm$ 0.197 χ^2 /NDF: 1219451.8/28

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 $\pm$ 22.565 χ^2/NDF : 16.1/16

Left Out: -65.372 $\pm$ 21.540 χ^2/NDF : 10.5/9

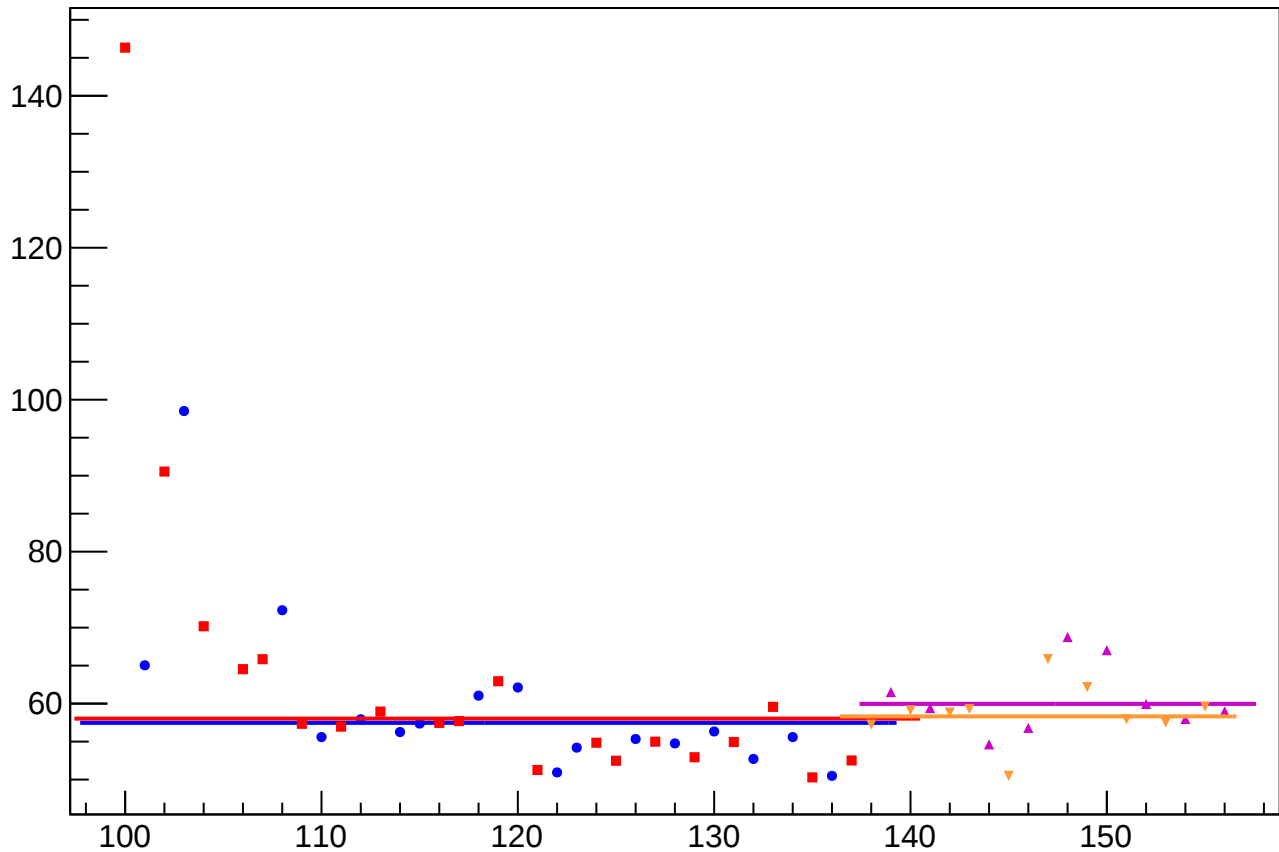
Right Out: -5.636 $\pm$ 22.057 χ^2/NDF : 20.4/19

Left In: 116.402 $\pm$ 22.161 χ^2/NDF : 3.6/8

-11.691 $\pm$ 15.581 χ^2/NDF : 39.7/26

55.096 $\pm$ 15.633 χ^2/NDF : 39.2/28

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465+/-0.016 χ^2/NDF : 307156.4/16

Left Out: 58.315+/-0.015 χ^2/NDF : 65885.5/9

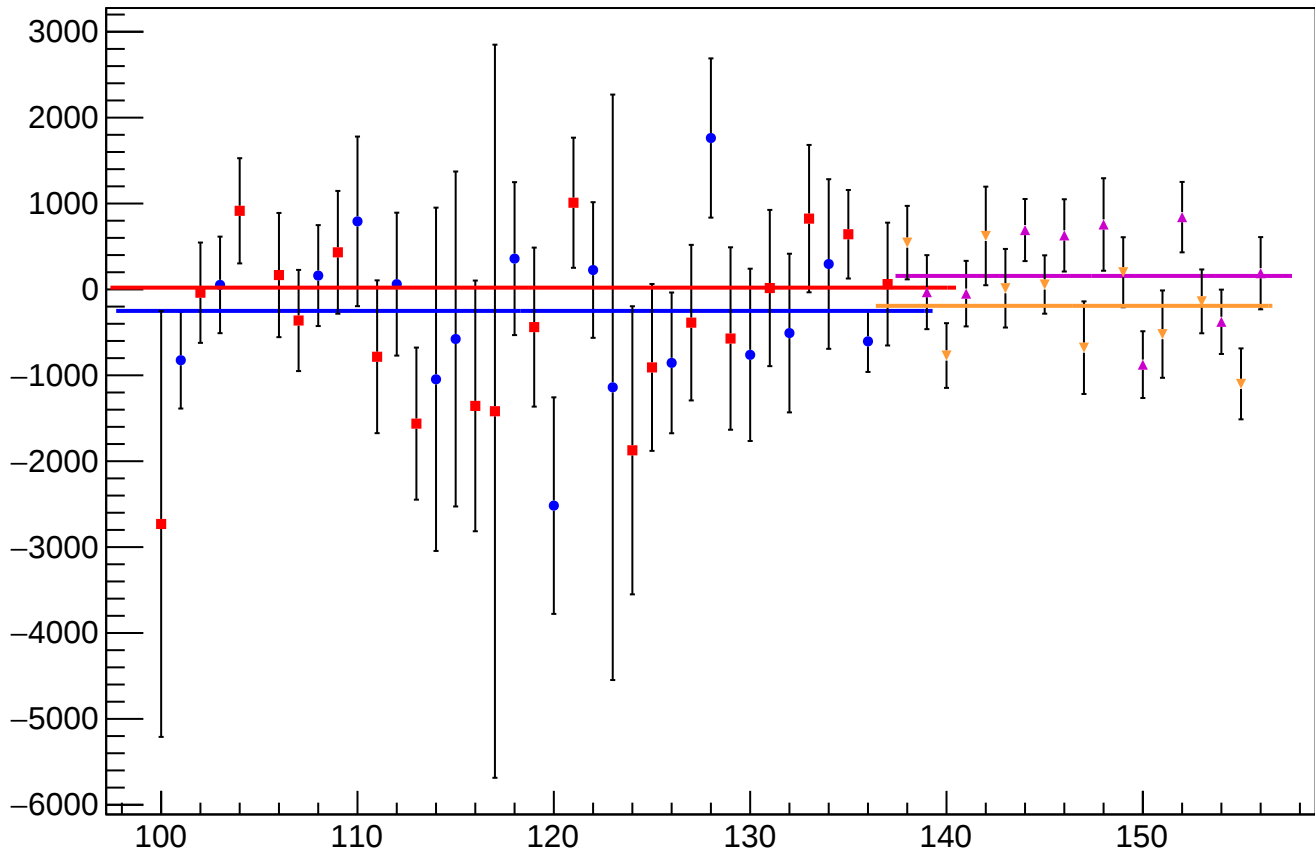
Right Out: 58.025+/-0.016 χ^2/NDF : 300790.9/19

Left In: 59.961+/-0.016 χ^2/NDF : 70393.9/8

57.910+/-0.011 χ^2/NDF : 374525.2/26

58.989+/-0.011 χ^2/NDF : 378855.6/28

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 ± 184.092 χ^2/NDF : 14.3/16

Left Out: -191.123 ± 134.334 χ^2/NDF : 15.1/9

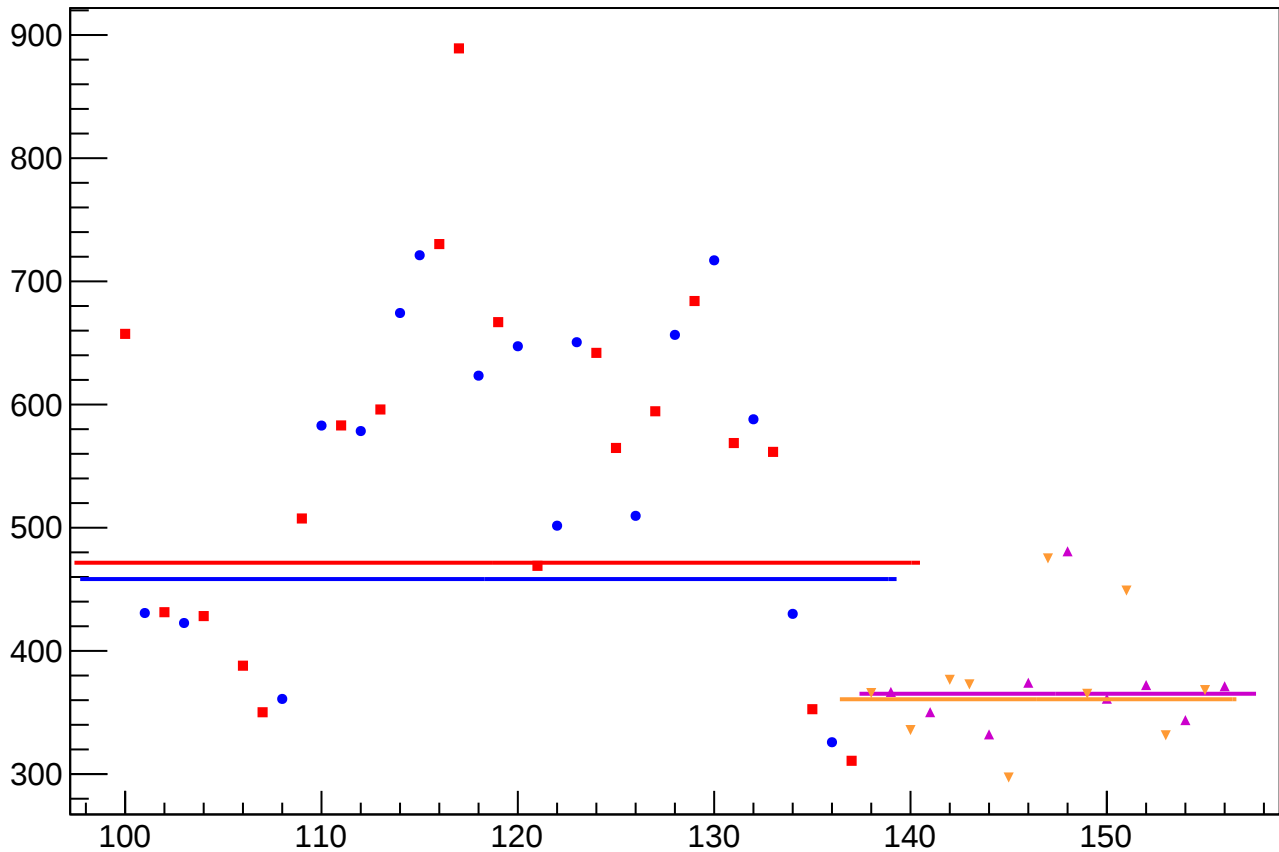
Right Out: 20.701 ± 181.669 χ^2/NDF : 16.2/19

Left In: 157.042 ± 135.619 χ^2/NDF : 17.1/8

-211.629 ± 108.515 χ^2/NDF : 29.4/26

108.252 ± 108.677 χ^2/NDF : 33.6/28

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 360.747+/-0.095 χ^2/NDF : 245443.0/9

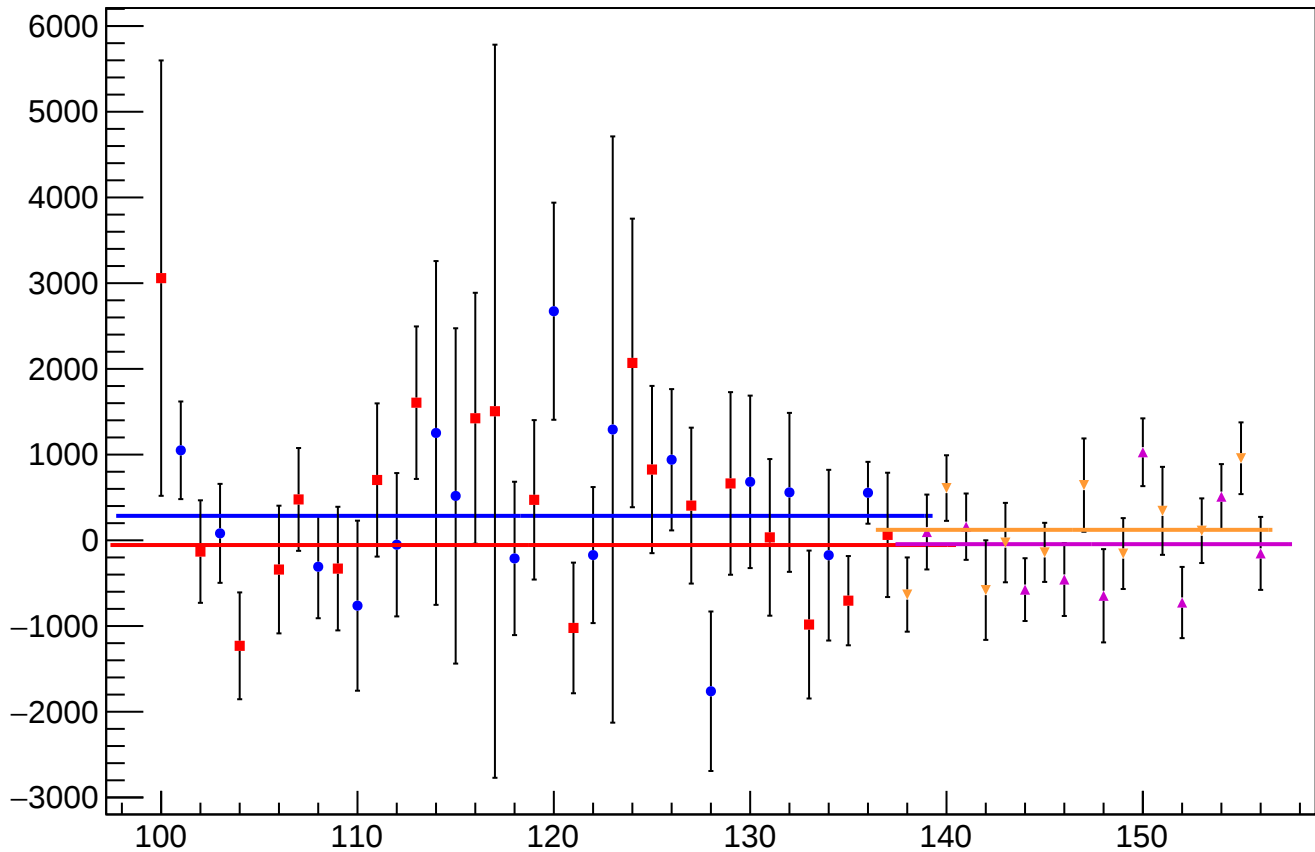
Right Out: 471.585+/-0.128 χ^2/NDF : 797816.0/19

Left In: 365.212+/-0.096 χ^2/NDF : 120680.2/8

394.652+/-0.077 χ^2/NDF : 1489300.7/26

403.279+/-0.077 χ^2/NDF : 1358807.7/28

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 ± 186.262 χ^2/NDF : 15.2/16

Left Out: 122.217 ± 136.136 χ^2/NDF : 12.4/9

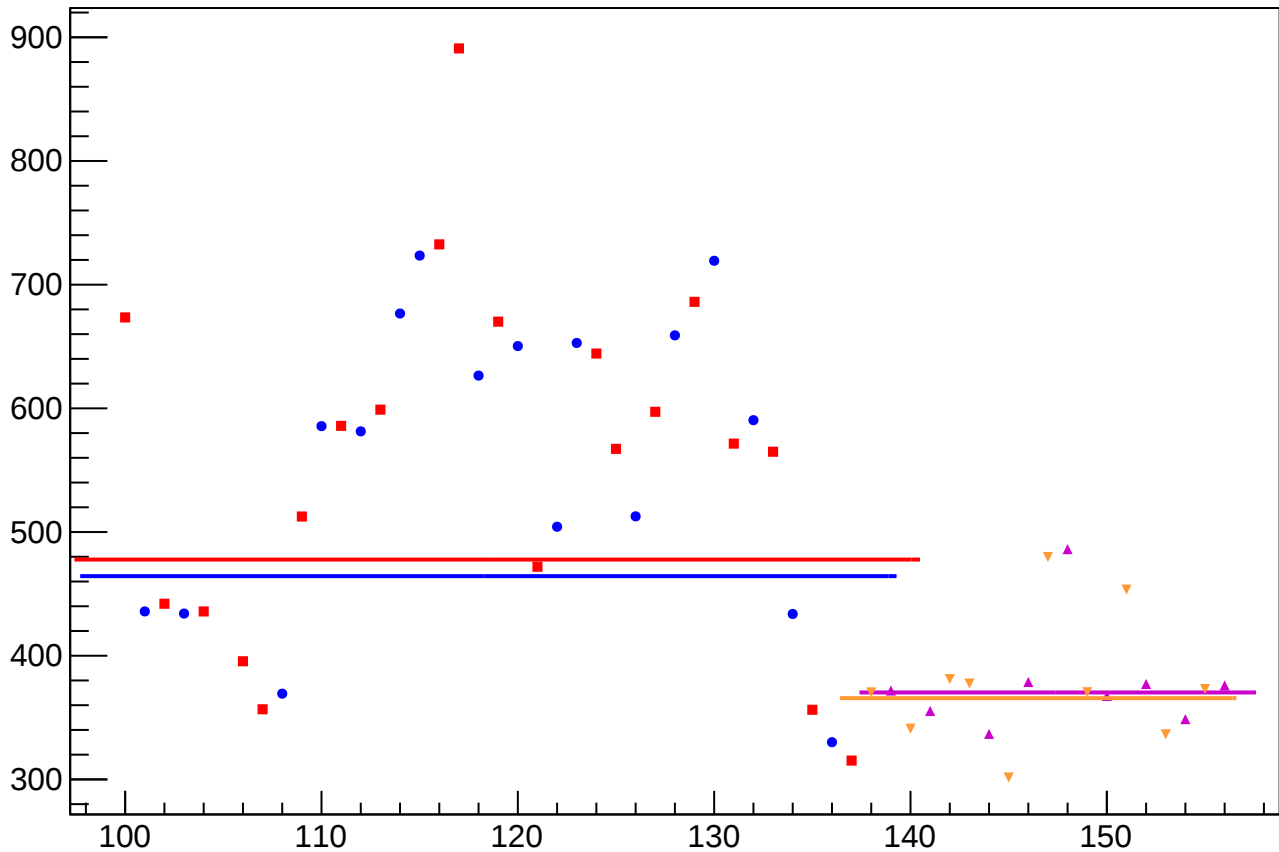
Right Out: -55.109 ± 183.903 χ^2/NDF : 19.3/19

Left In: -44.913 ± 137.481 χ^2/NDF : 16.9/8

179.019 ± 109.909 χ^2/NDF : 28.0/26

-48.568 ± 110.113 χ^2/NDF : 36.2/28

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341+/-0.132 χ^2/NDF : 845900.9/16

Left Out: 365.695+/-0.096 χ^2/NDF : 239842.4/9

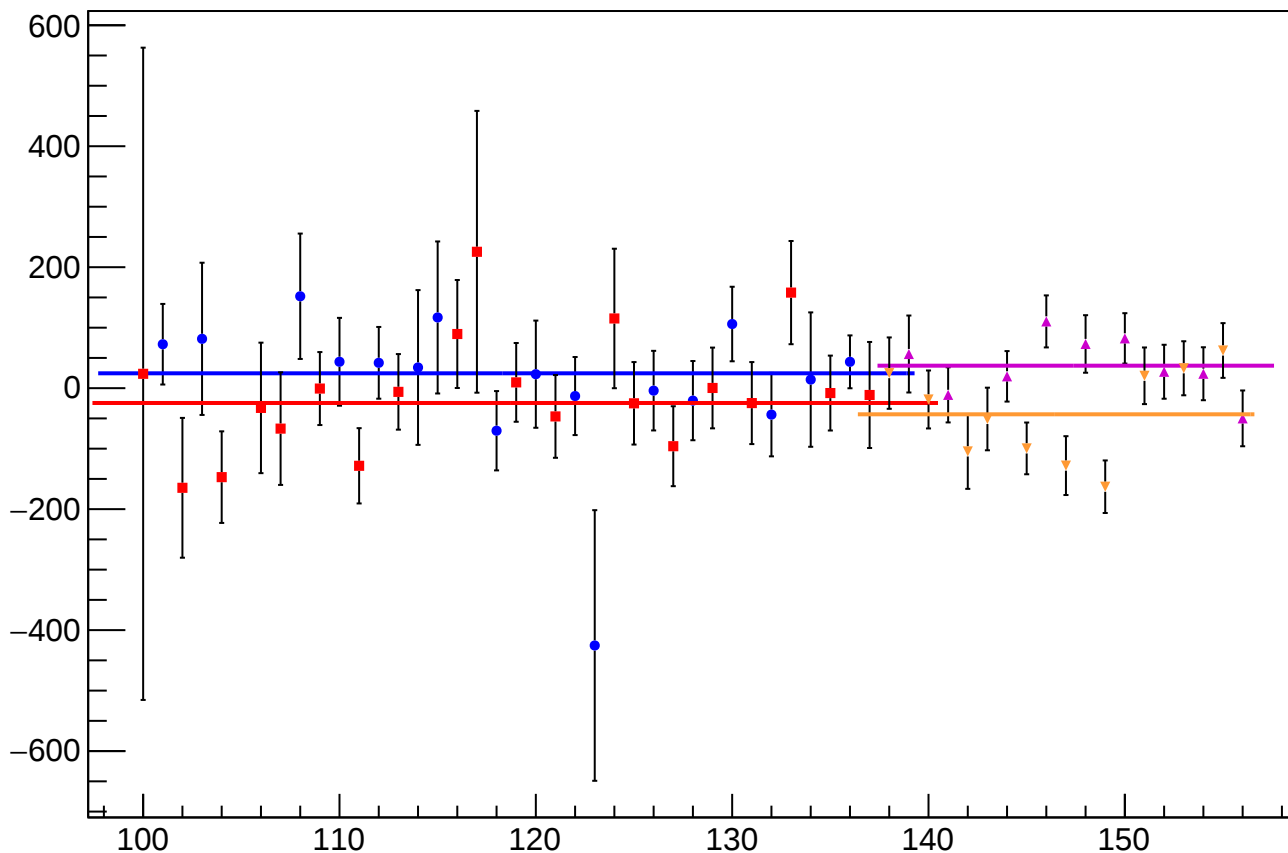
400.043+/-0.078 χ^2/NDF : 1451384.5/26

Right Out: 477.754+/-0.130 χ^2/NDF : 768041.0/19

408.822+/-0.078 χ^2/NDF : 1324708.9/28

Left In: 370.297+/-0.097 χ^2/NDF : 118628.7/8

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 ± 17.839 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -43.201 ± 15.245 $\chi^2/\text{NDF}: 25.2/9$

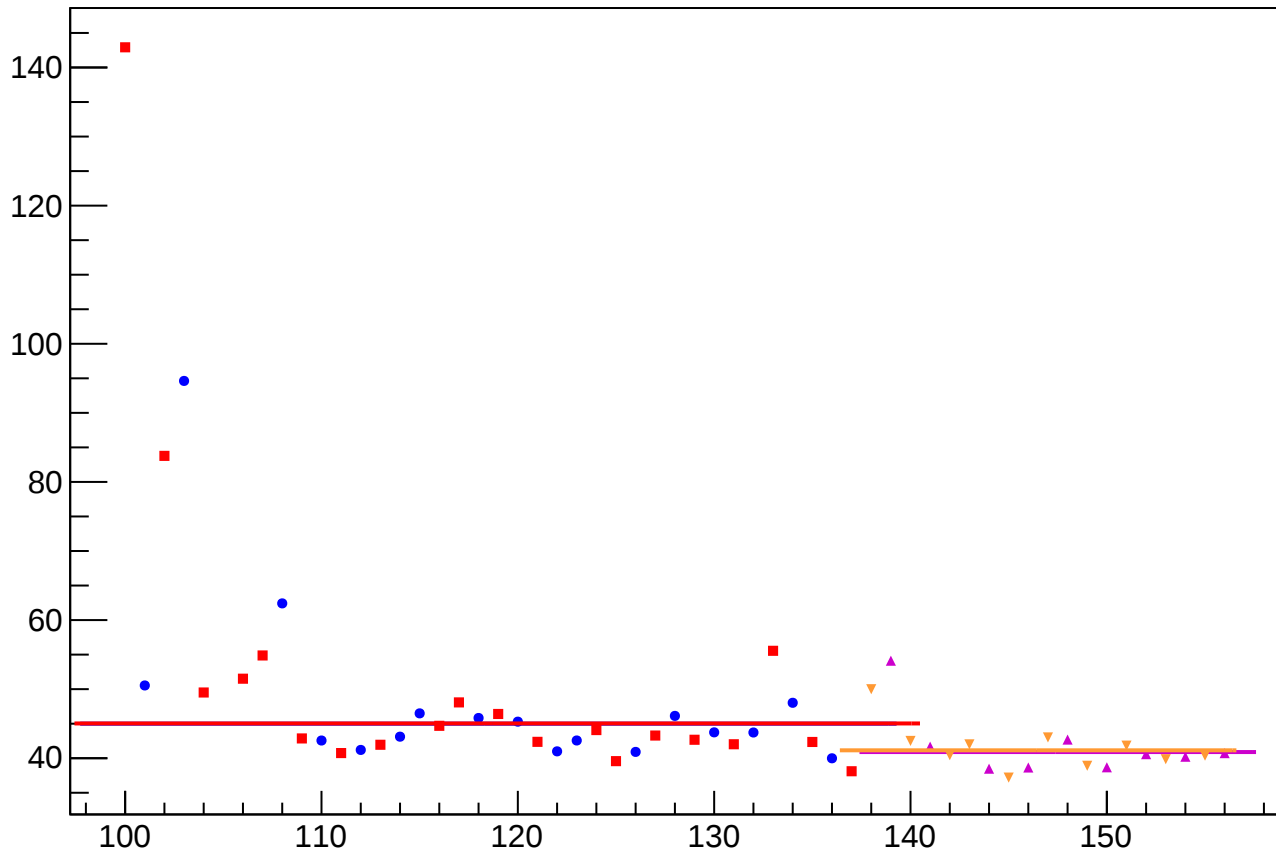
Right Out: -24.491 ± 17.338 $\chi^2/\text{NDF}: 18.0/19$

Left In: 37.183 ± 15.151 $\chi^2/\text{NDF}: 9.7/8$

-14.590 ± 11.590 $\chi^2/\text{NDF}: 46.5/26$

10.480 ± 11.409 $\chi^2/\text{NDF}: 34.9/28$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 ± 0.013 $\chi^2/\text{NDF}: 438352.8/16$

Left Out: 41.145 ± 0.011 $\chi^2/\text{NDF}: 75335.9/9$

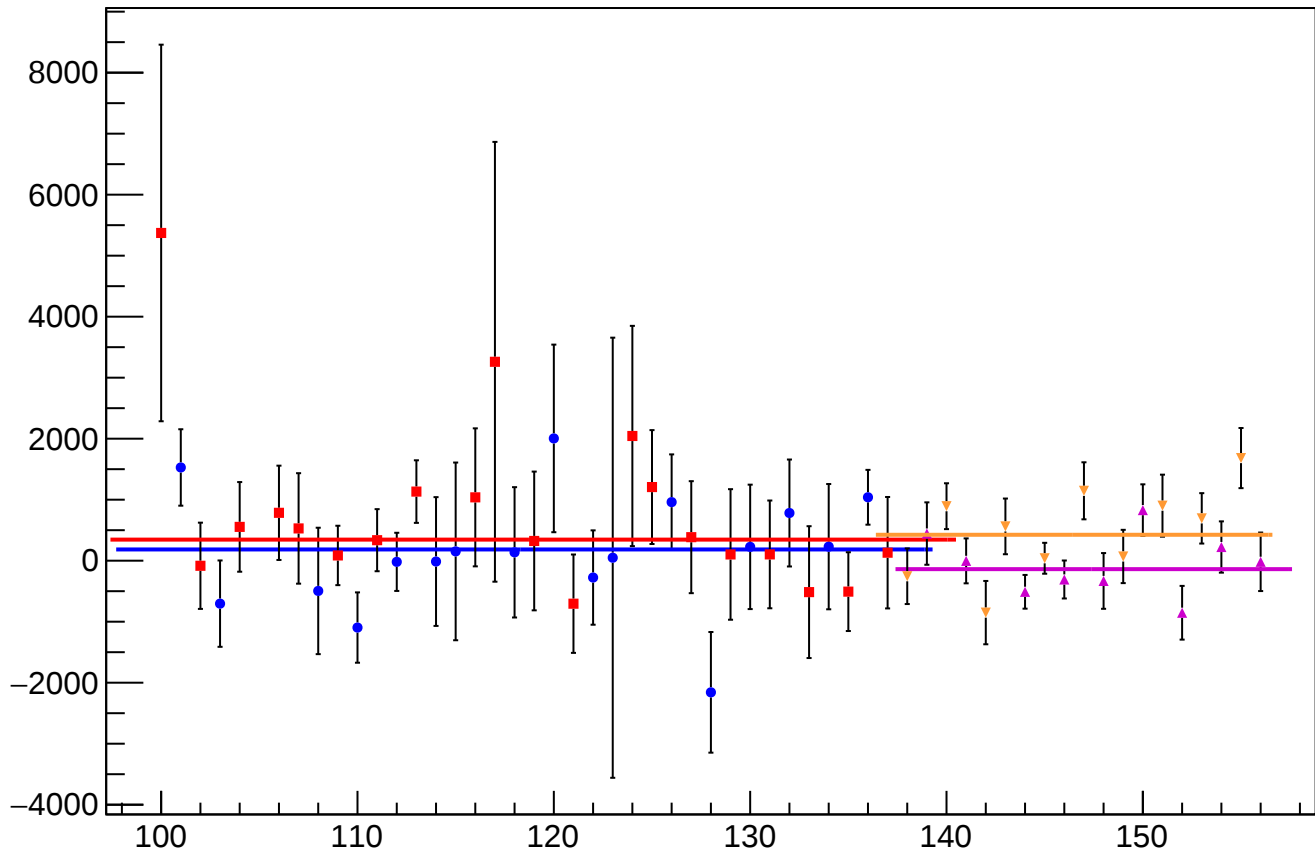
Right Out: 45.034 ± 0.012 $\chi^2/\text{NDF}: 415853.3/19$

Left In: 40.894 ± 0.011 $\chi^2/\text{NDF}: 108168.5/8$

42.773 ± 0.008 $\chi^2/\text{NDF}: 567698.6/26$

42.686 ± 0.008 $\chi^2/\text{NDF}: 588693.4/28$

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 424.718 ± 129.459 χ^2/NDF : 23.1/9

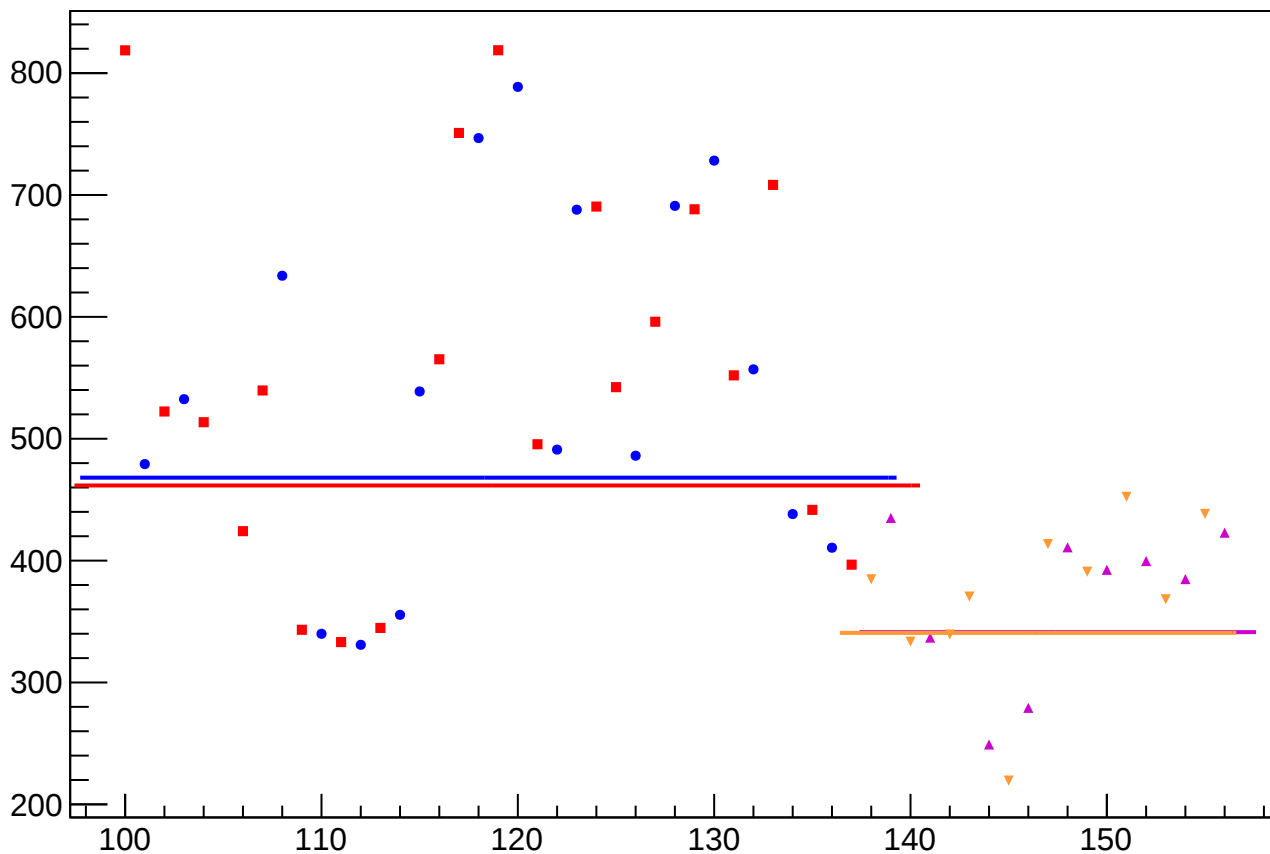
Right Out: 345.548 ± 179.160 χ^2/NDF : 13.1/19

Left In: -138.514 ± 128.927 χ^2/NDF : 12.4/8

347.658 ± 106.726 χ^2/NDF : 48.4/26

26.636 ± 104.647 χ^2/NDF : 30.4/28

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071 $\pm$ 0.133 χ^2 /NDF: 880319.3/16

Left Out: 340.725 $\pm$ 0.092 χ^2 /NDF: 745042.1/9

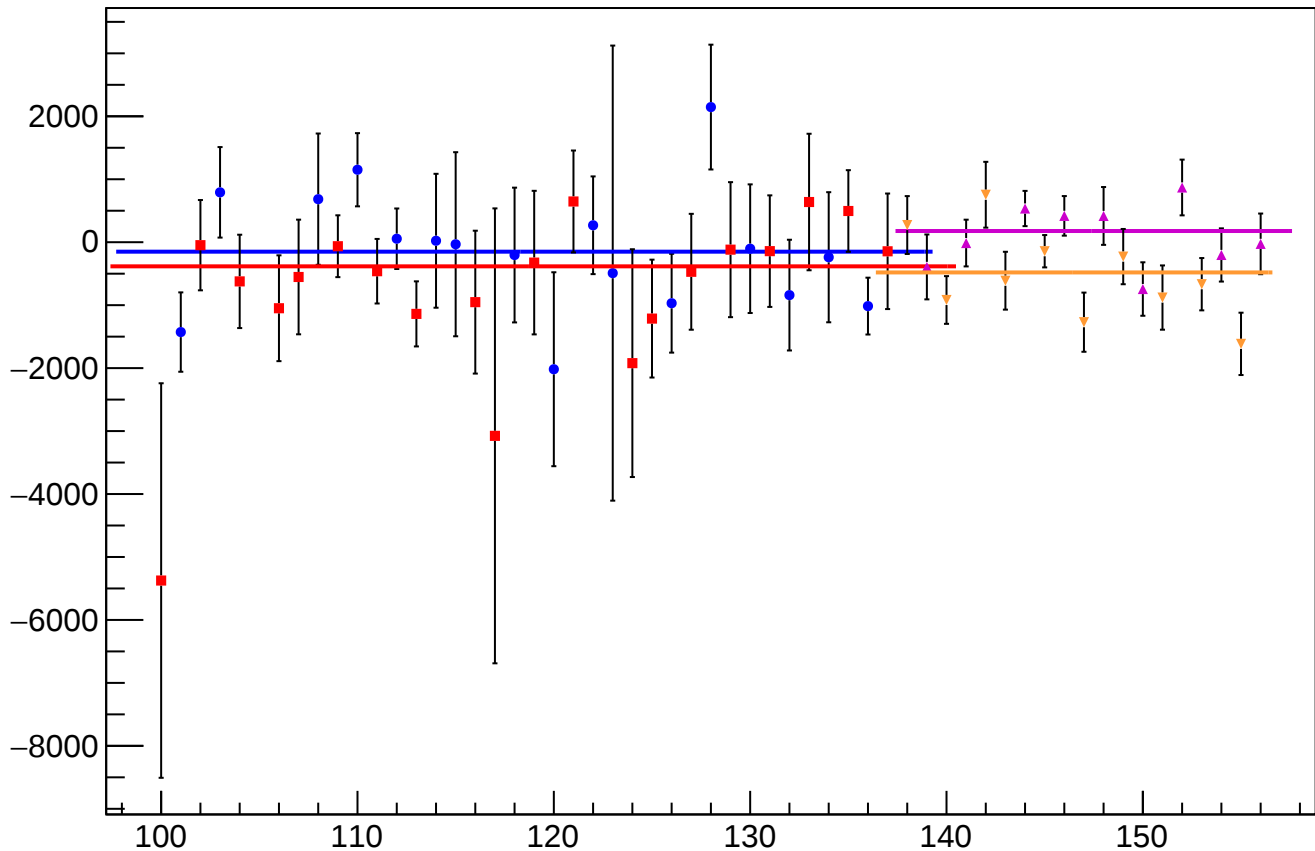
Right Out: 461.656 $\pm$ 0.127 χ^2 /NDF: 967939.5/19

Left In: 341.308 $\pm$ 0.091 χ^2 /NDF: 559738.7/8

381.522 $\pm$ 0.075 χ^2 /NDF: 2245359.3/26

382.367 $\pm$ 0.074 χ^2 /NDF: 2122241.2/28

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -480.129 ± 130.544 χ^2/NDF : 20.6/9

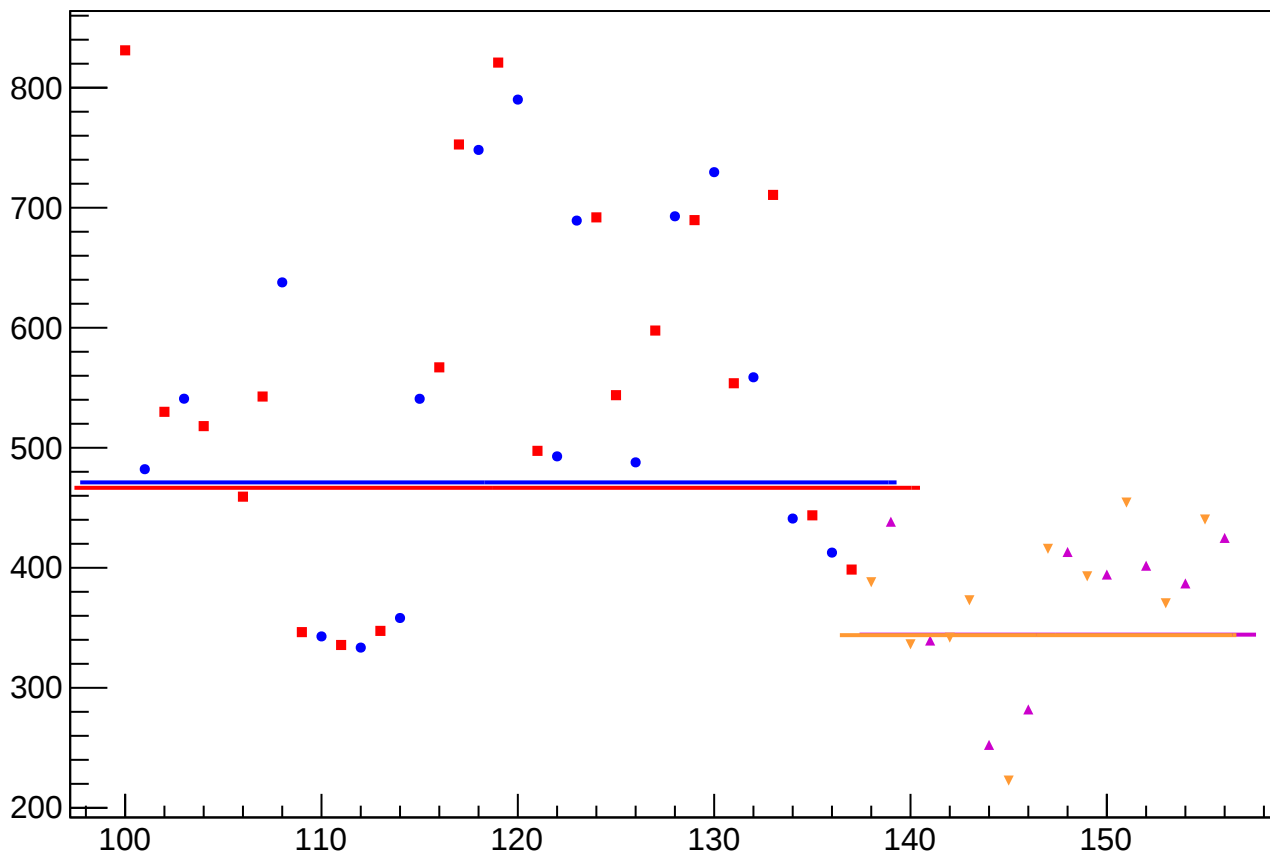
Right Out: -383.331 ± 181.030 χ^2/NDF : 13.0/19

Left In: 177.893 ± 129.968 χ^2/NDF : 12.1/8

-374.154 ± 107.546 χ^2/NDF : 46.9/26

-12.992 ± 105.577 χ^2/NDF : 31.4/28

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 343.885+/-0.092 χ^2/NDF : 721625.3/9

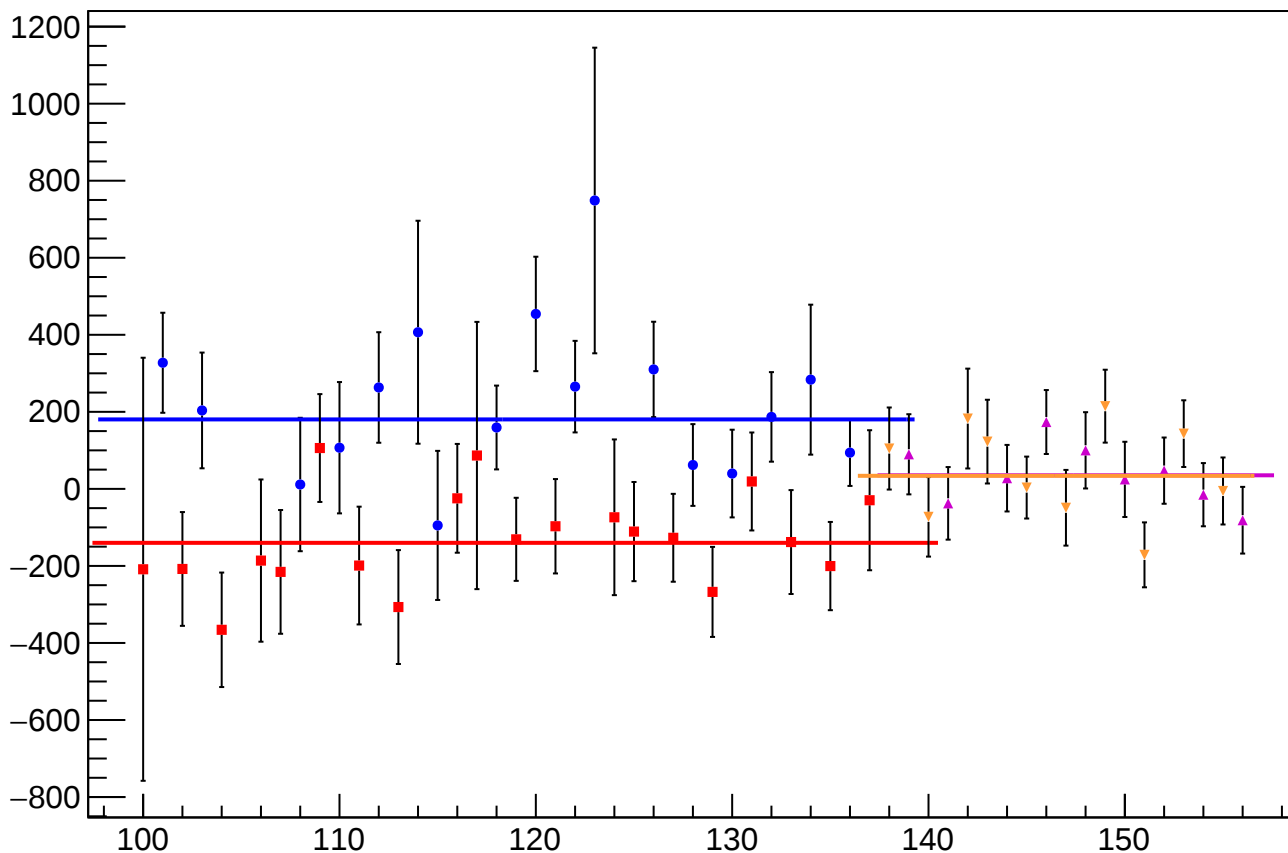
Right Out: 466.655+/-0.128 χ^2/NDF : 953088.6/19

Left In: 344.301+/-0.092 χ^2/NDF : 543690.5/8

384.778+/-0.076 χ^2/NDF : 2204255.0/26

385.917+/-0.075 χ^2/NDF : 2099653.7/28

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: 33.916 $\pm$ 30.117 χ^2 /NDF:15.7/9

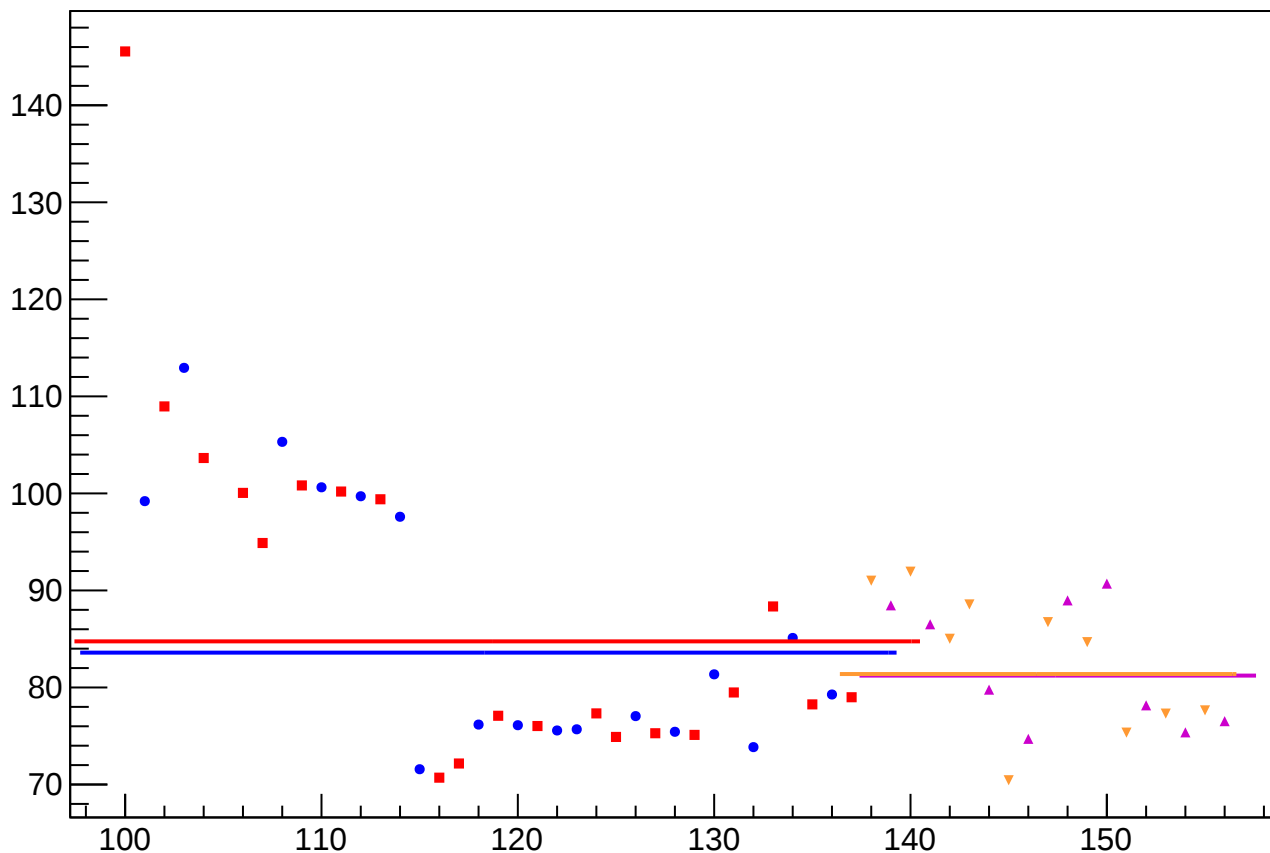
Right Out: -140.070 $\pm$ 32.198 χ^2 /NDF: 12.1/19

Left In: 35.253 $\pm$ 30.038 χ^2 /NDF:6.3/8

100.957 $\pm$ 22.174 χ^2 /NDF: 43.1/26

-46.332 $\pm$ 21.964 χ^2 /NDF: 34.3/28

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591+/-0.023 χ^2/NDF : 255921.7/16

Left Out: 81.385+/-0.021 χ^2/NDF :111318.1/9

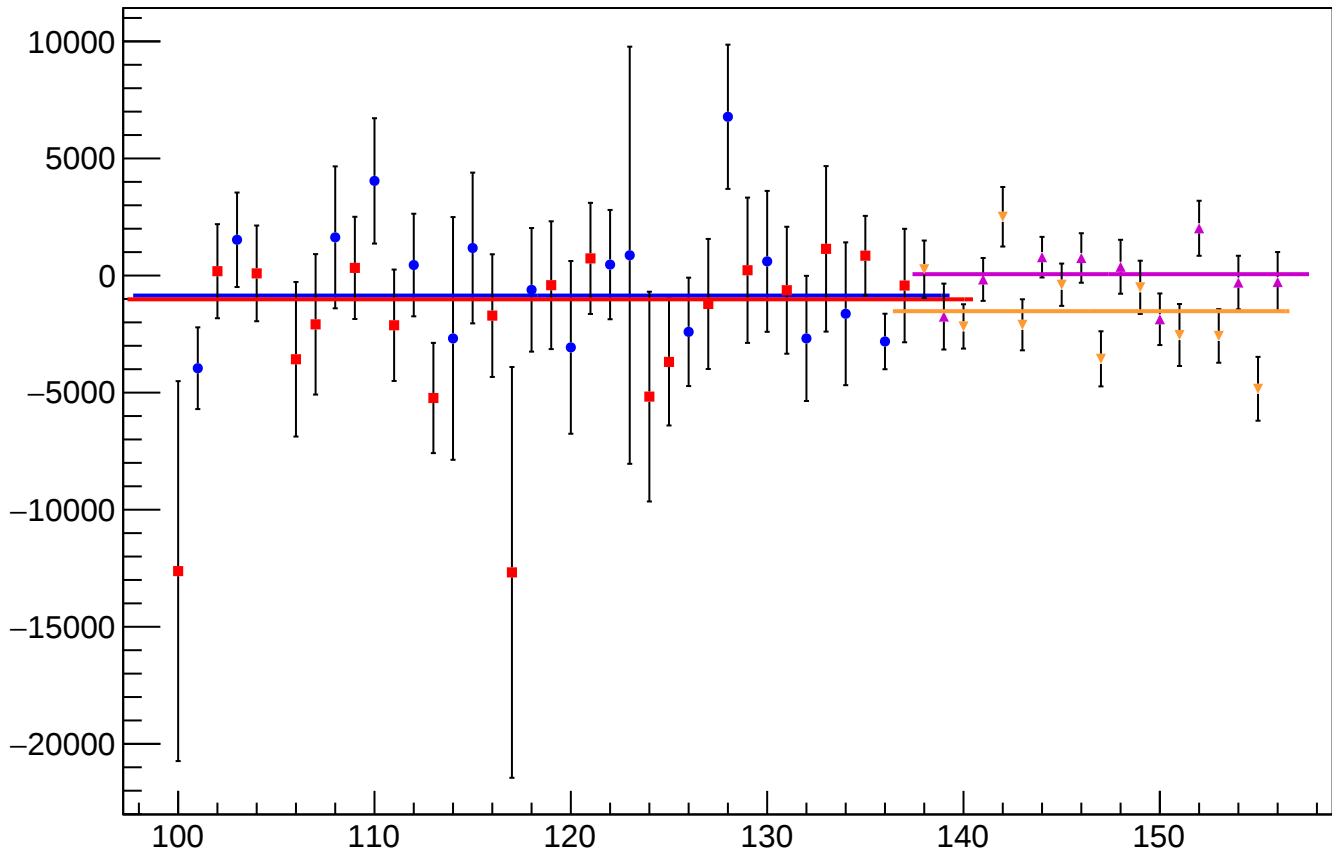
Right Out: 84.752+/-0.023 χ^2/NDF : 293262.6/19

Left In: 81.224+/-0.021 χ^2/NDF :78573.1/8

82.395+/-0.016 χ^2/NDF : 372153.6/26

82.866+/-0.016 χ^2/NDF : 384668.5/28

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308 ± 583.290 χ^2/NDF : 20.3/16

Left Out: -1522.250 ± 357.252 χ^2/NDF : 25.6/9

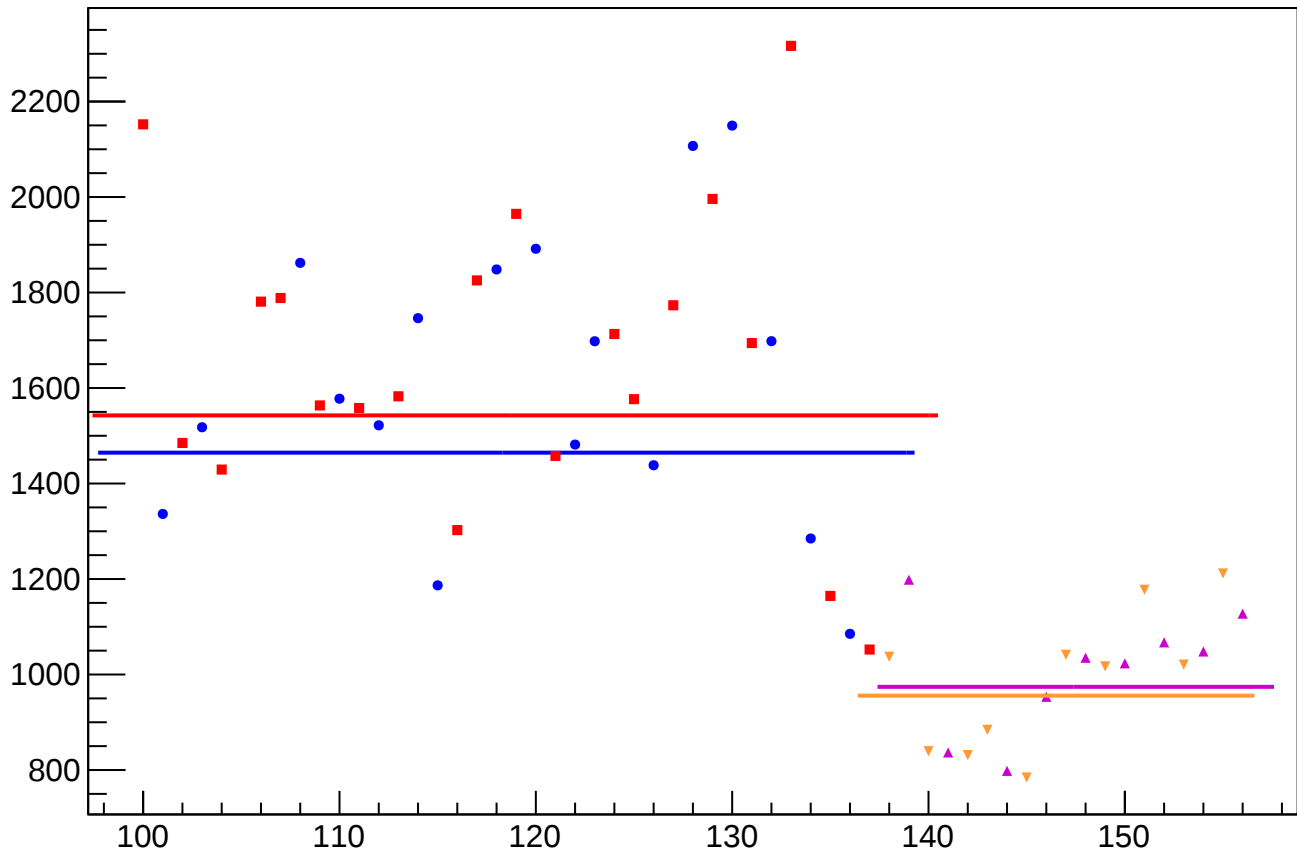
Right Out: -1015.523 ± 587.747 χ^2/NDF : 13.3/19

Left In: 58.121 ± 362.708 χ^2/NDF : 8.9/8

-1340.312 ± 304.651 χ^2/NDF : 46.9/26

-237.989 ± 308.665 χ^2/NDF : 24.6/28

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 955.760 $\pm$ 0.253 χ^2 /NDF: 288434.8/9

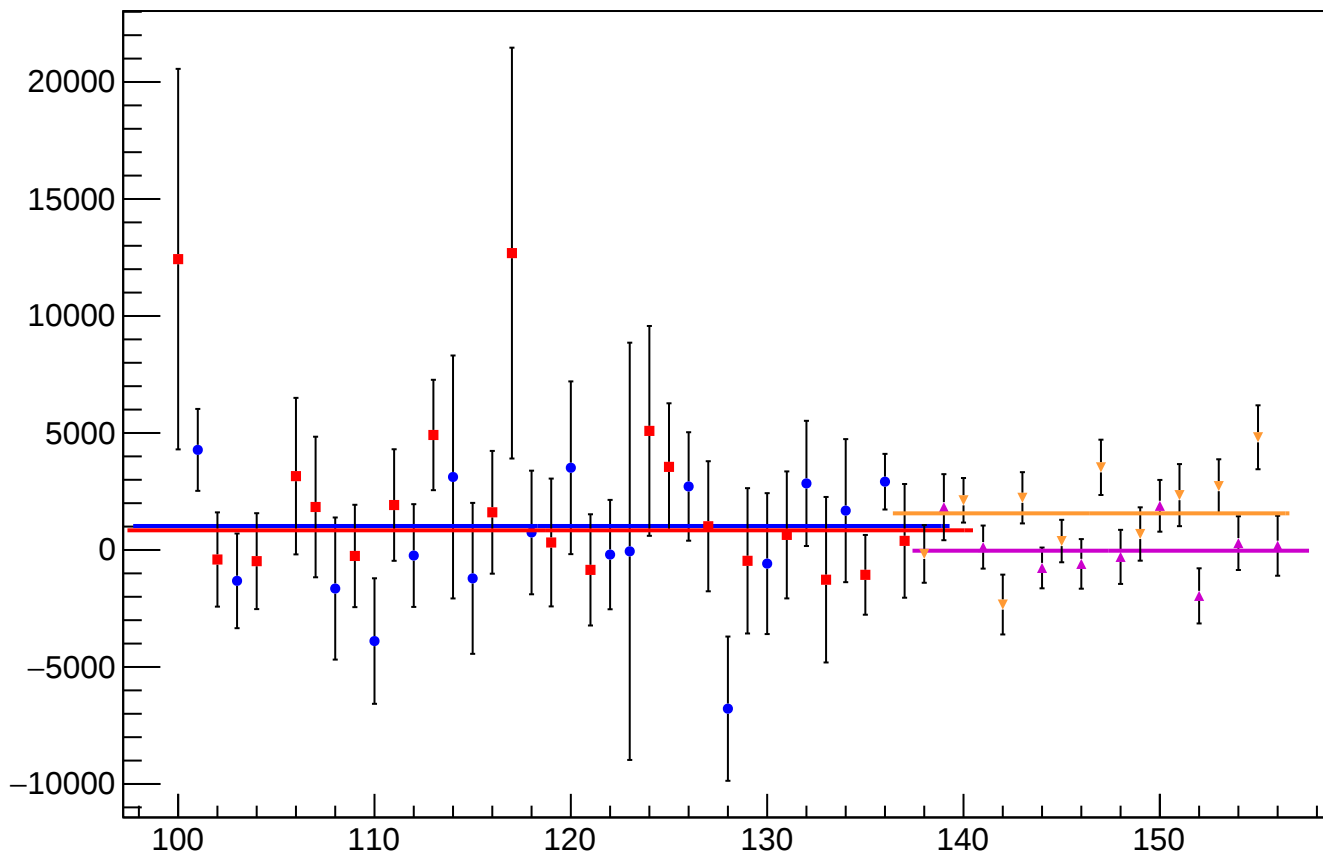
1094.578 $\pm$ 0.215 χ^2 /NDF: 1956283.9/26

Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

1131.003 $\pm$ 0.218 χ^2 /NDF: 2048950.2/28

Left In: 974.229 $\pm$ 0.256 χ^2 /NDF: 238376.2/8

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527 $\pm$ 584.500 χ^2 /NDF: 20.9/16

Left Out: 1565.745 $\pm$ 358.718 χ^2 /NDF:24.1/9

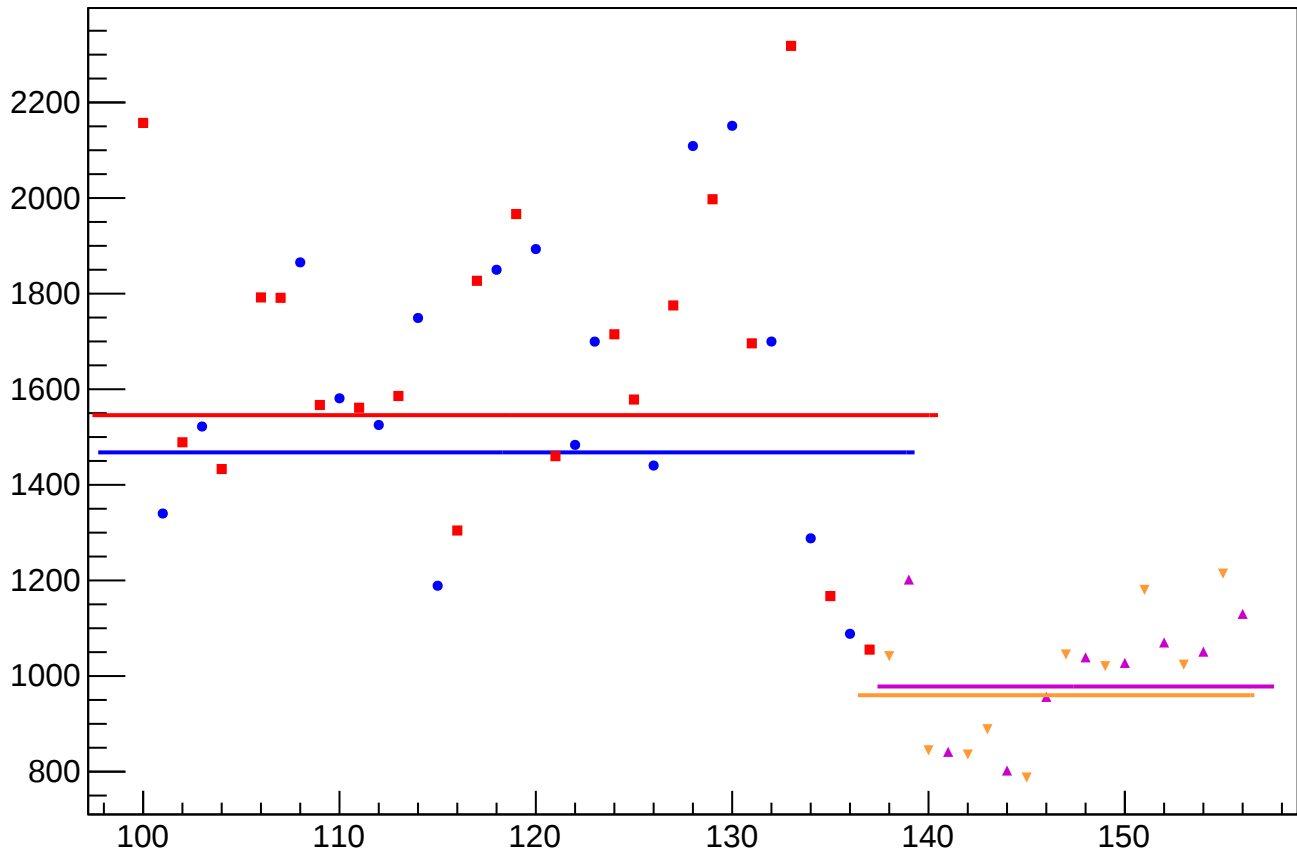
Right Out: 840.586 $\pm$ 589.057 χ^2 /NDF: 13.0/19

Left In: -30.982 $\pm$ 364.102 χ^2 /NDF:8.6/8

1417.942 $\pm$ 305.733 χ^2 /NDF: 45.6/26

209.957 $\pm$ 309.713 χ^2 /NDF: 23.2/28

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 959.886+/-0.254 χ^2/NDF : 284253.4/9

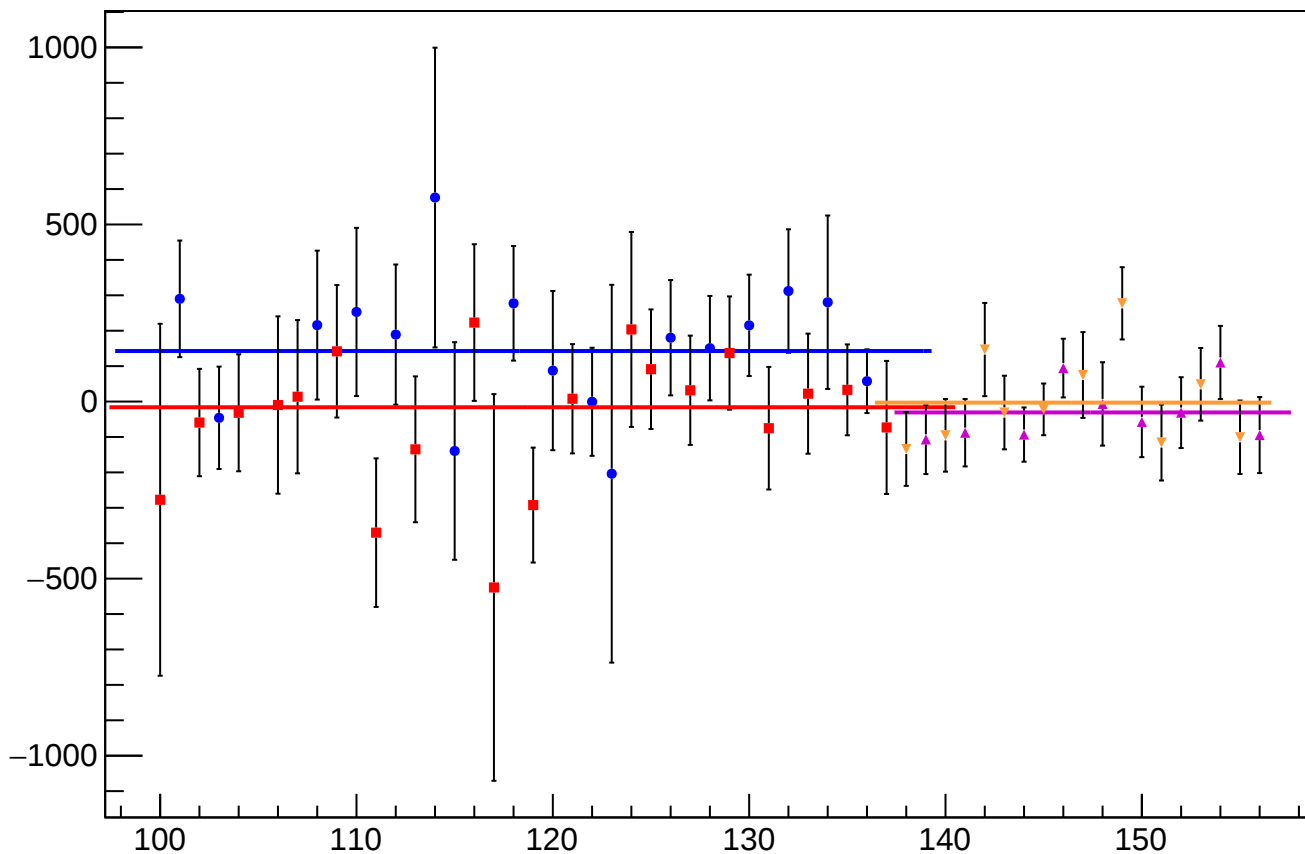
Right Out: 1545.785+/-0.417 χ^2/NDF : 453865.6/19

Left In: 978.135+/-0.257 χ^2/NDF : 234623.7/8

1098.880+/-0.216 χ^2/NDF : 1939195.1/26

1135.058+/-0.219 χ^2/NDF : 2032333.3/28

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -3.001 $\pm$ 32.208 χ^2 /NDF:14.0/9

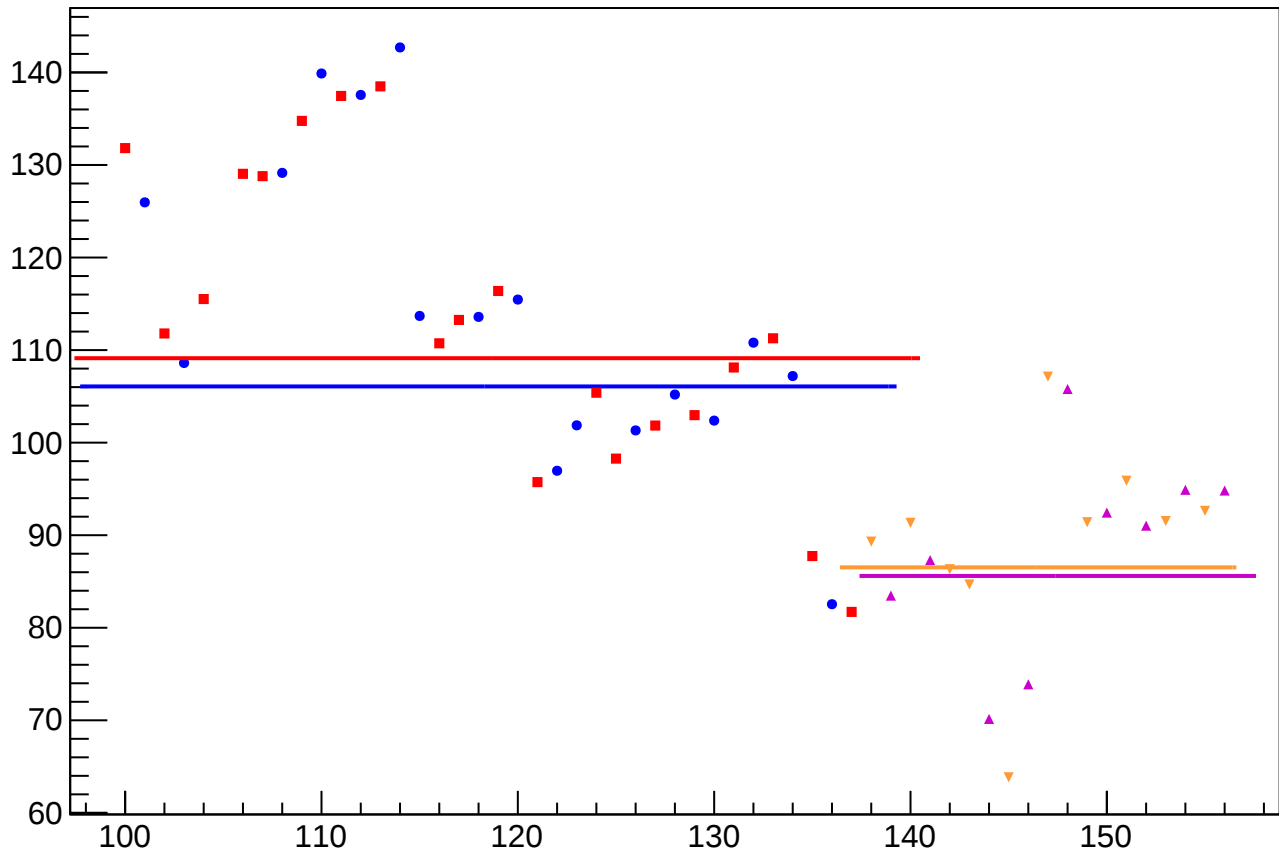
Right Out: -16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

Left In: -30.731 $\pm$ 31.876 χ^2 /NDF:6.2/8

51.556 $\pm$ 25.473 χ^2 /NDF: 31.0/26

-25.267 $\pm$ 25.229 χ^2 /NDF: 18.0/28

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074+/-0.029 χ^2/NDF : 317907.9/16

Left Out: 86.525+/-0.023 χ^2/NDF :289091.1/9

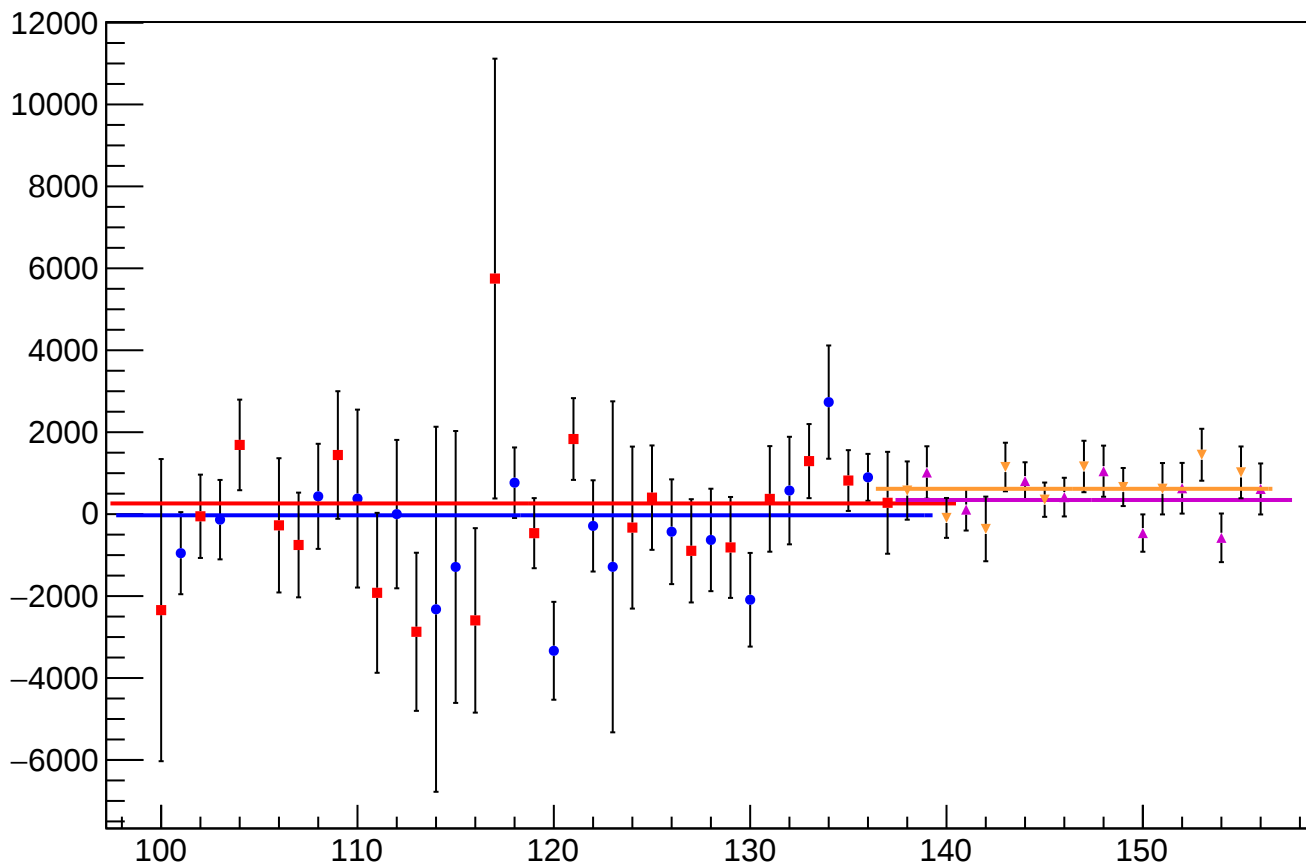
93.846+/-0.018 χ^2/NDF : 882910.7/26

Right Out: 109.124+/-0.029 χ^2/NDF : 285510.2/19

94.385+/-0.018 χ^2/NDF : 920605.2/28

Left In: 85.596+/-0.023 χ^2/NDF :228033.5/8

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 $\pm$ 283.741 χ^2/NDF : 20.5/16

Left Out: 618.322 $\pm$ 179.436 χ^2/NDF : 7.8/9

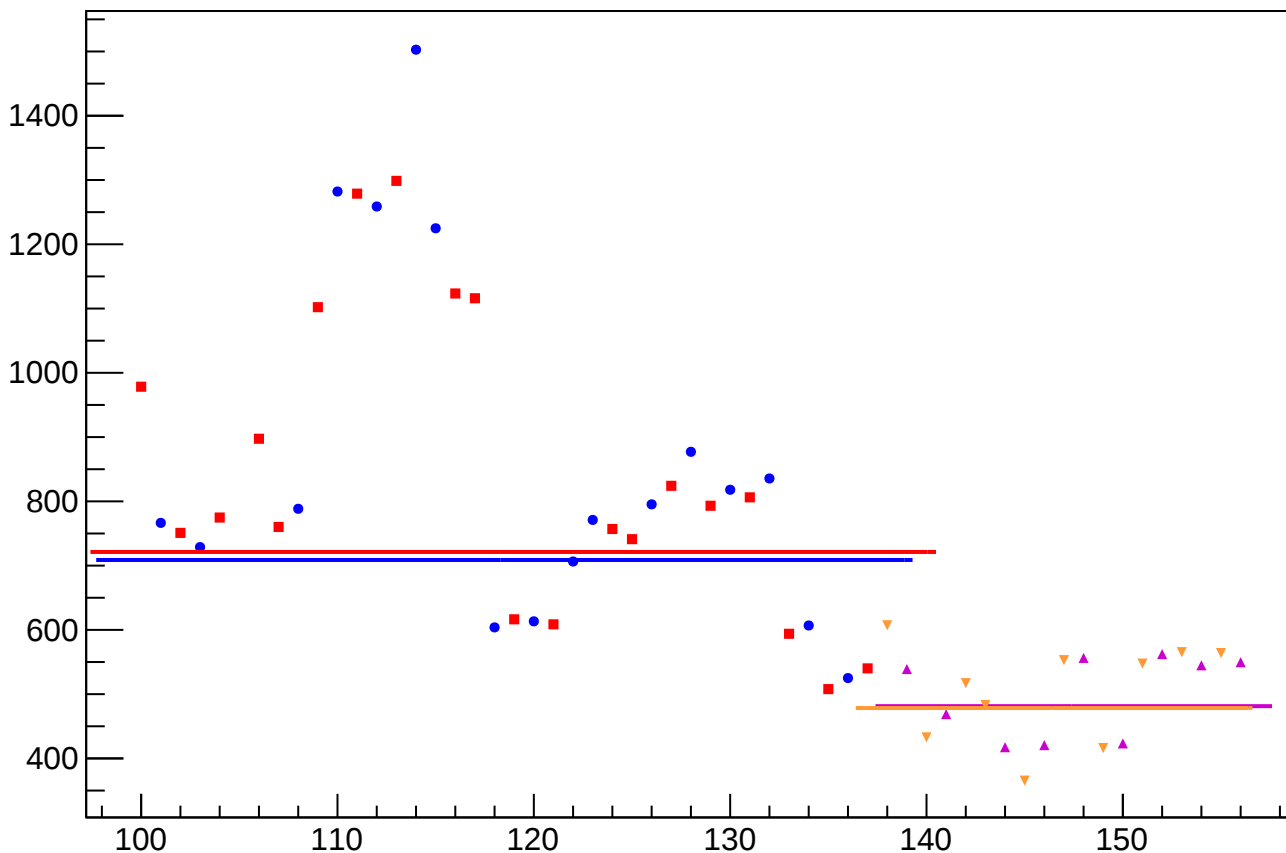
Right Out: 261.265 $\pm$ 279.073 χ^2/NDF : 16.9/19

Left In: 345.450 $\pm$ 179.781 χ^2/NDF : 9.6/8

433.694 $\pm$ 151.655 χ^2/NDF : 32.0/26

320.759 $\pm$ 151.135 χ^2/NDF : 26.5/28

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784+/-0.201 χ^2/NDF : 793538.1/16

Left Out: 478.390+/-0.127 χ^2/NDF : 396262.8/9

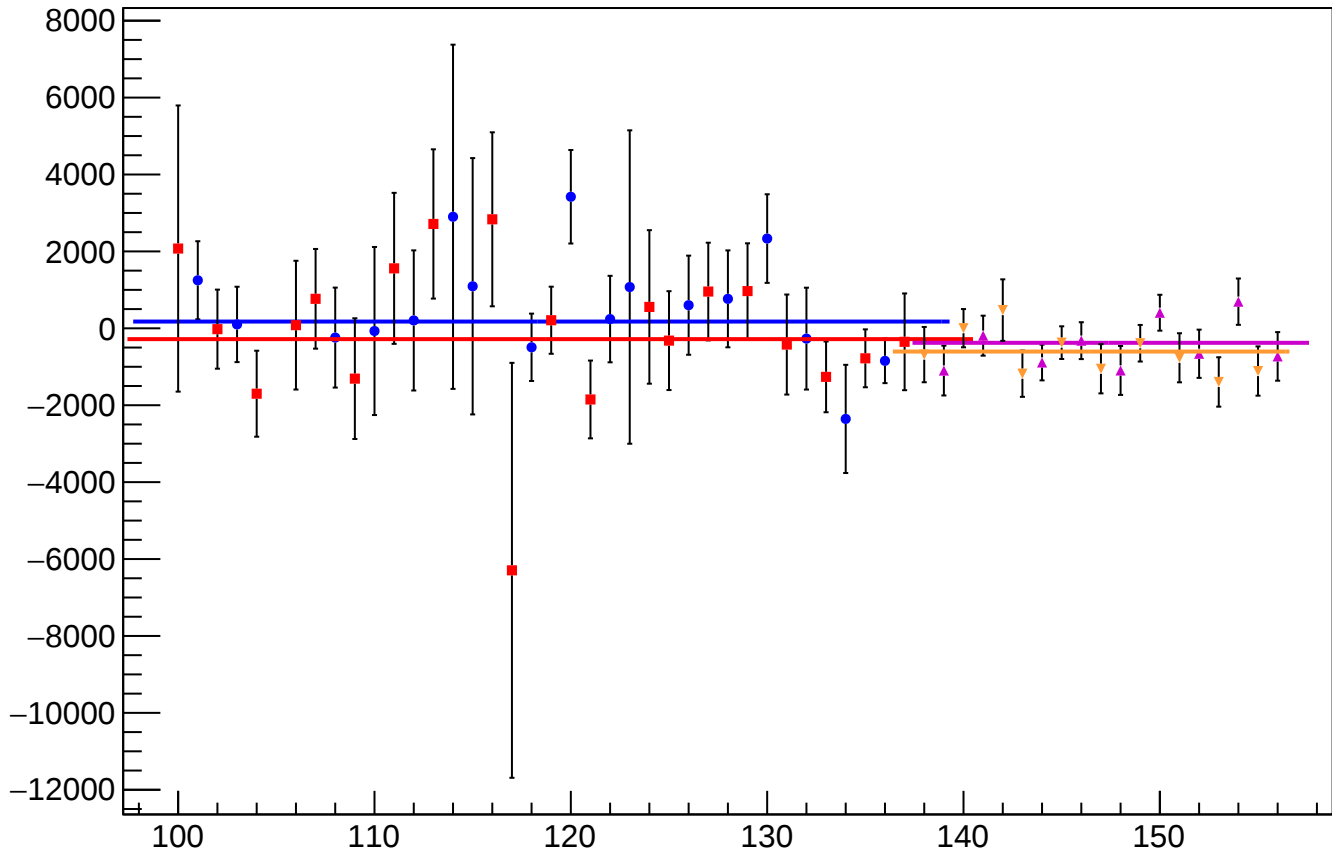
Right Out: 721.271+/-0.197 χ^2/NDF : 910781.0/19

Left In: 481.335+/-0.127 χ^2/NDF : 232028.1/8

544.208+/-0.107 χ^2/NDF : 2131741.8/26

551.705+/-0.107 χ^2/NDF : 2187599.5/28

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854+/-287.218 χ^2/NDF : 19.7/16

Left Out: -604.481+/-182.554 χ^2/NDF : 7.4/9

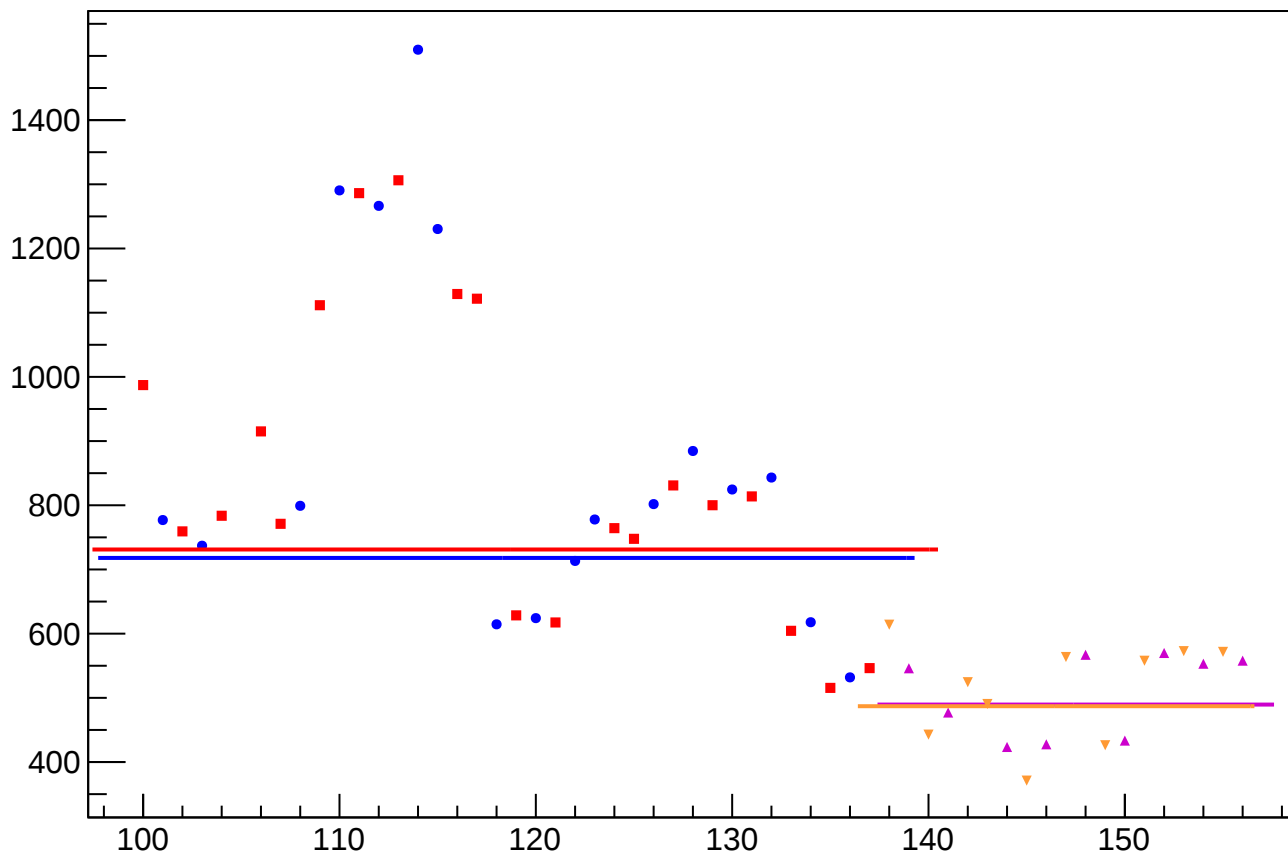
Right Out: -281.173+/-282.685 χ^2/NDF : 16.1/19

Left In: -377.048+/-182.778 χ^2/NDF : 10.4/8

-379.949+/-154.067 χ^2/NDF : 32.4/26

-348.783+/-153.488 χ^2/NDF : 26.5/28

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973+/-0.203 χ^2/NDF : 778580.1/16

Left Out: 486.970+/-0.129 χ^2/NDF : 388037.0/9

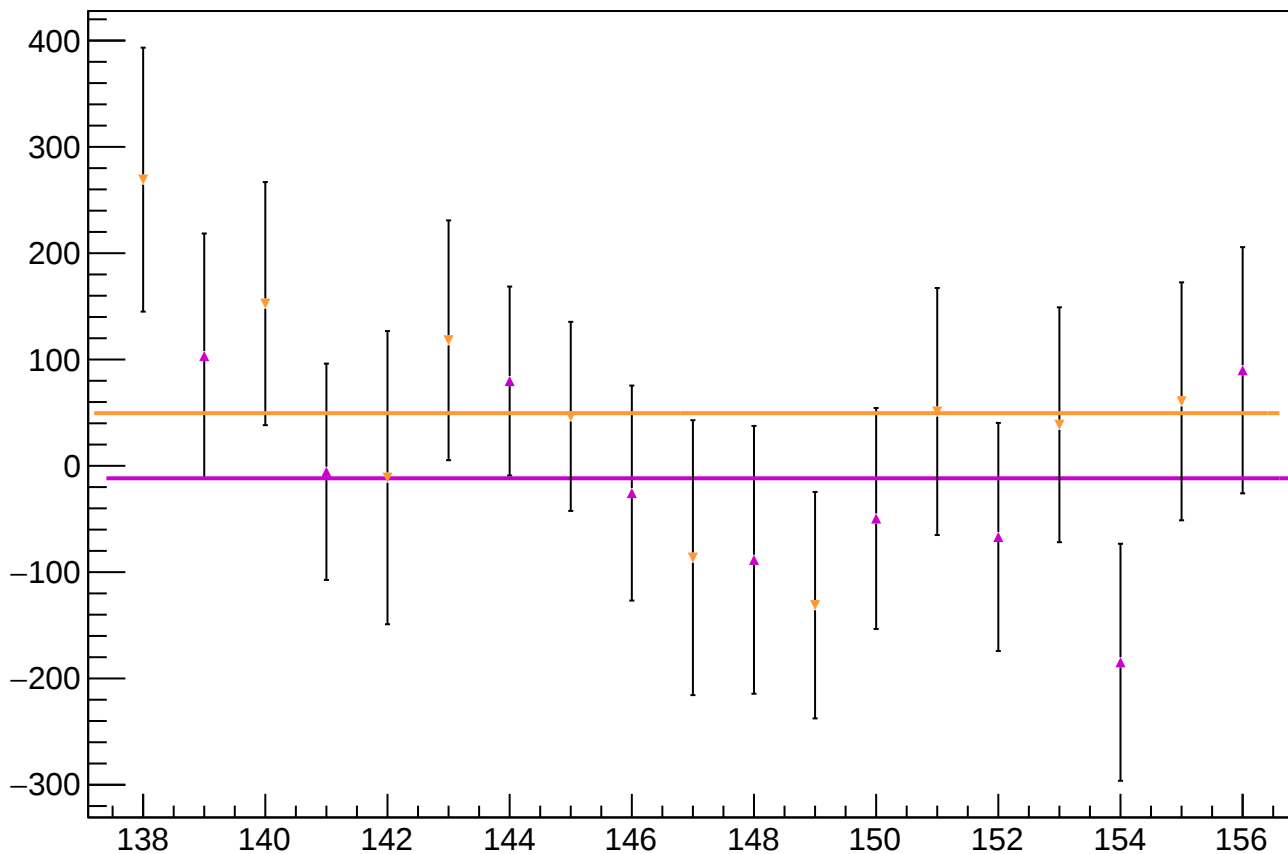
Right Out: 731.116+/-0.200 χ^2/NDF : 892357.6/19

Left In: 489.524+/-0.129 χ^2/NDF : 227404.4/8

553.439+/-0.109 χ^2/NDF : 2088085.2/26

560.748+/-0.109 χ^2/NDF : 2149896.8/28

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 49.554+/-35.739 χ^2/NDF : 8.5/9

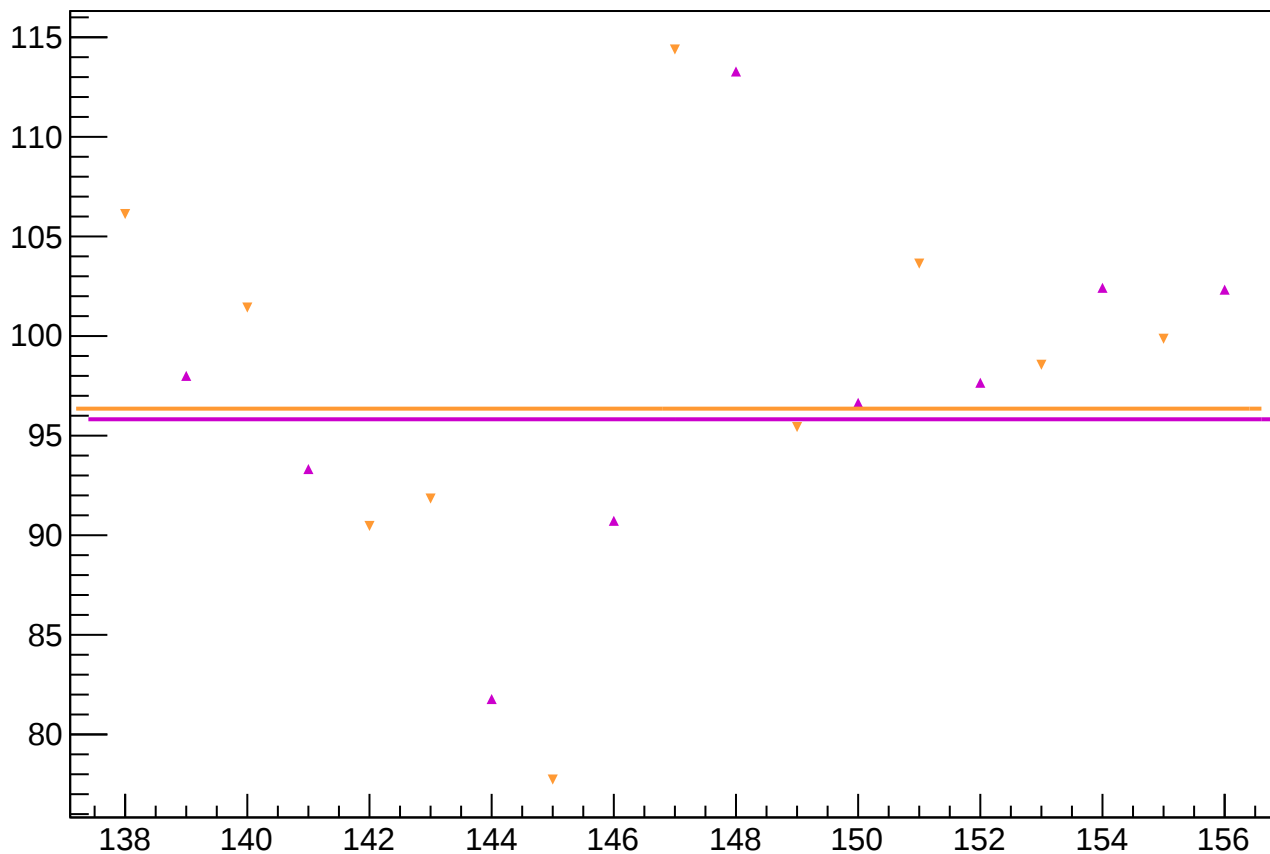
49.554+/-35.739 χ^2/NDF : 8.5/9

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

-11.722+/-35.494 χ^2/NDF : 6.0/8

Left In: -11.722+/-35.494 χ^2/NDF : 6.0/8

reg_asym_sam_1548_avg_rms vs Slug



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

Left Out: 96.355+/-0.025 χ^2/NDF : 160544.4/9

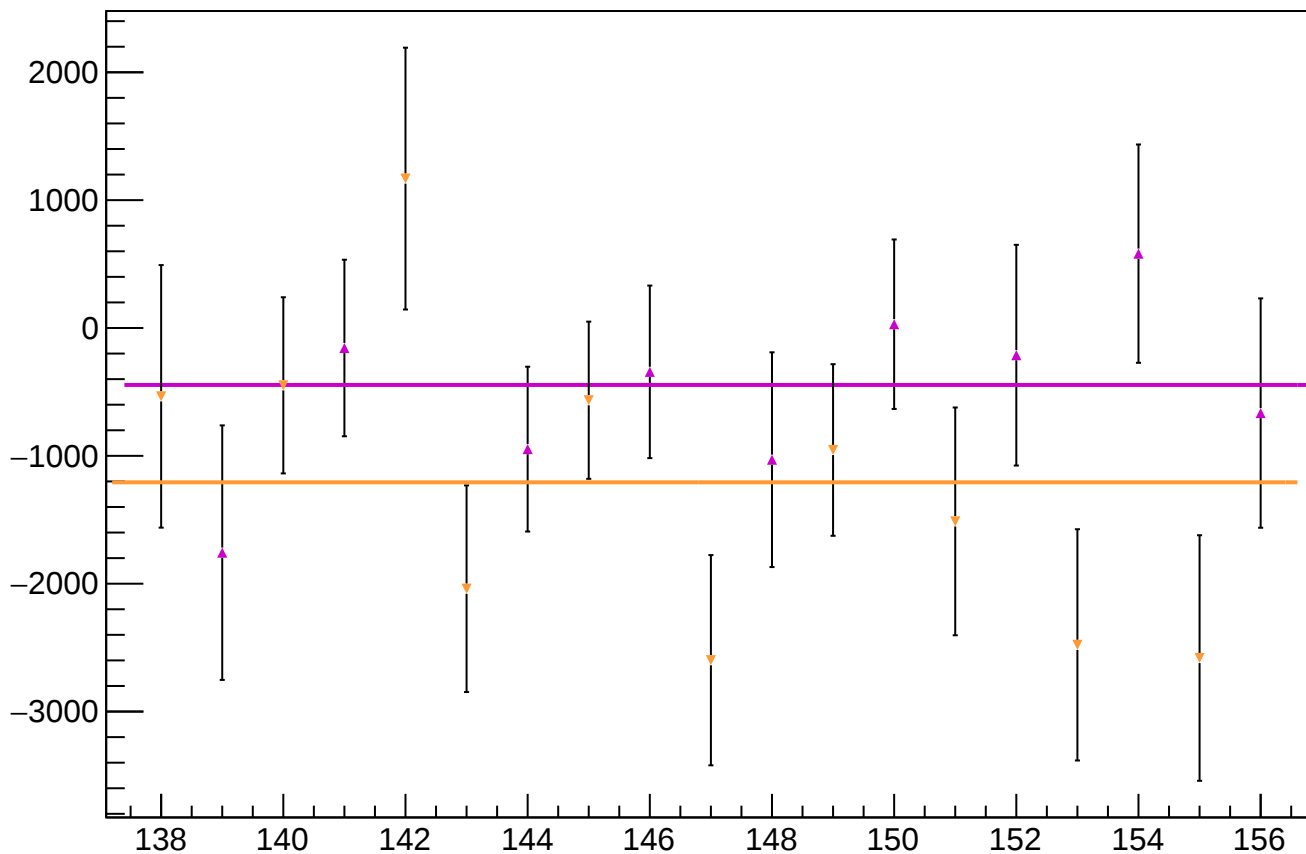
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 95.822+/-0.025 χ^2/NDF : 109402.1/8

96.355+/-0.025 χ^2/NDF : 160544.4/9

95.822+/-0.025 χ^2/NDF : 109402.1/8

asym_sam_1548_avg_correction_mean vs Slug



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

Left Out: -1206.995+/-254.387 χ^2/NDF : 16.3/9

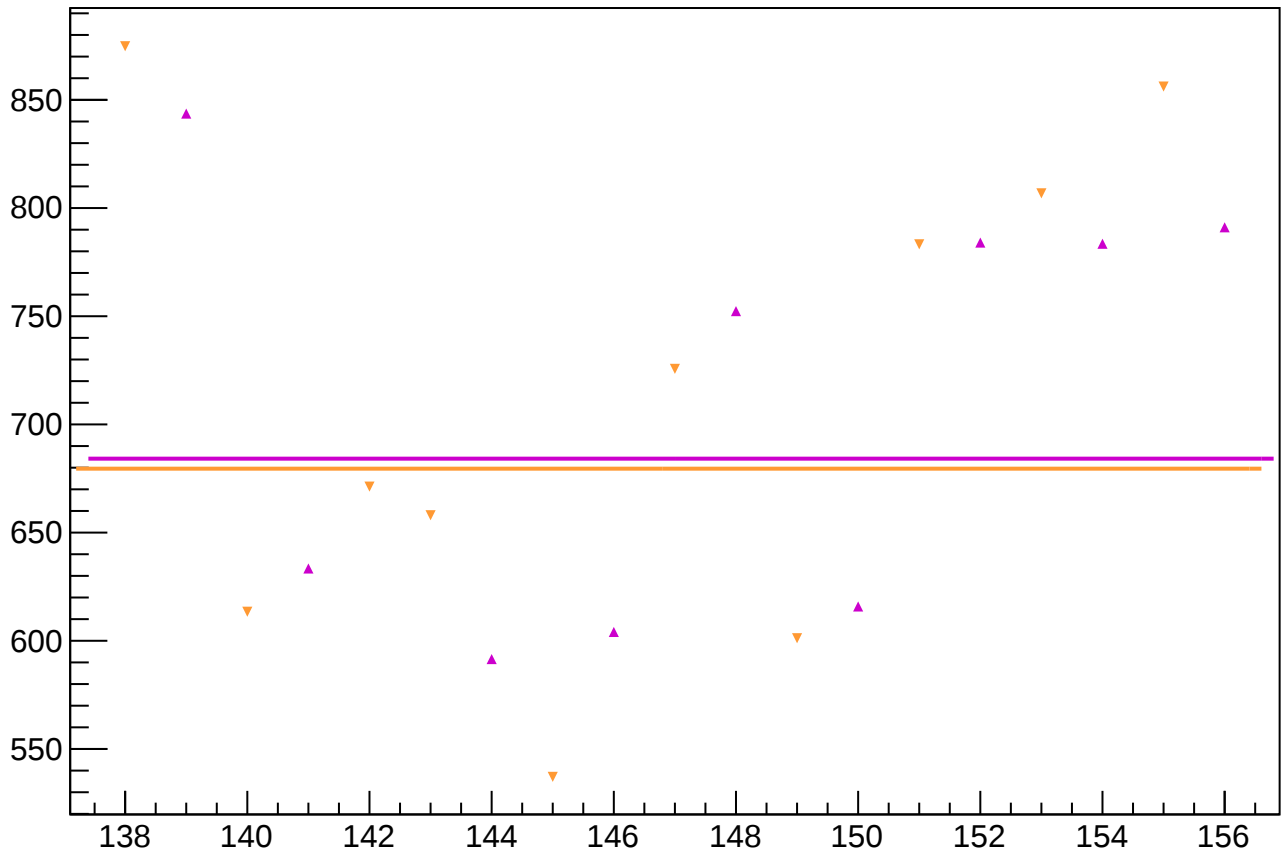
-1206.995+/-254.387 χ^2/NDF : 16.3/9

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

-445.431+/-255.149 χ^2/NDF : 5.1/8

Left In: -445.431+/-255.149 χ^2/NDF : 5.1/8

asym_sam_1548_avg_correction_rms vs Slug



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

Left Out: 679.547+/-0.180 χ^2/NDF : 367558.2/9

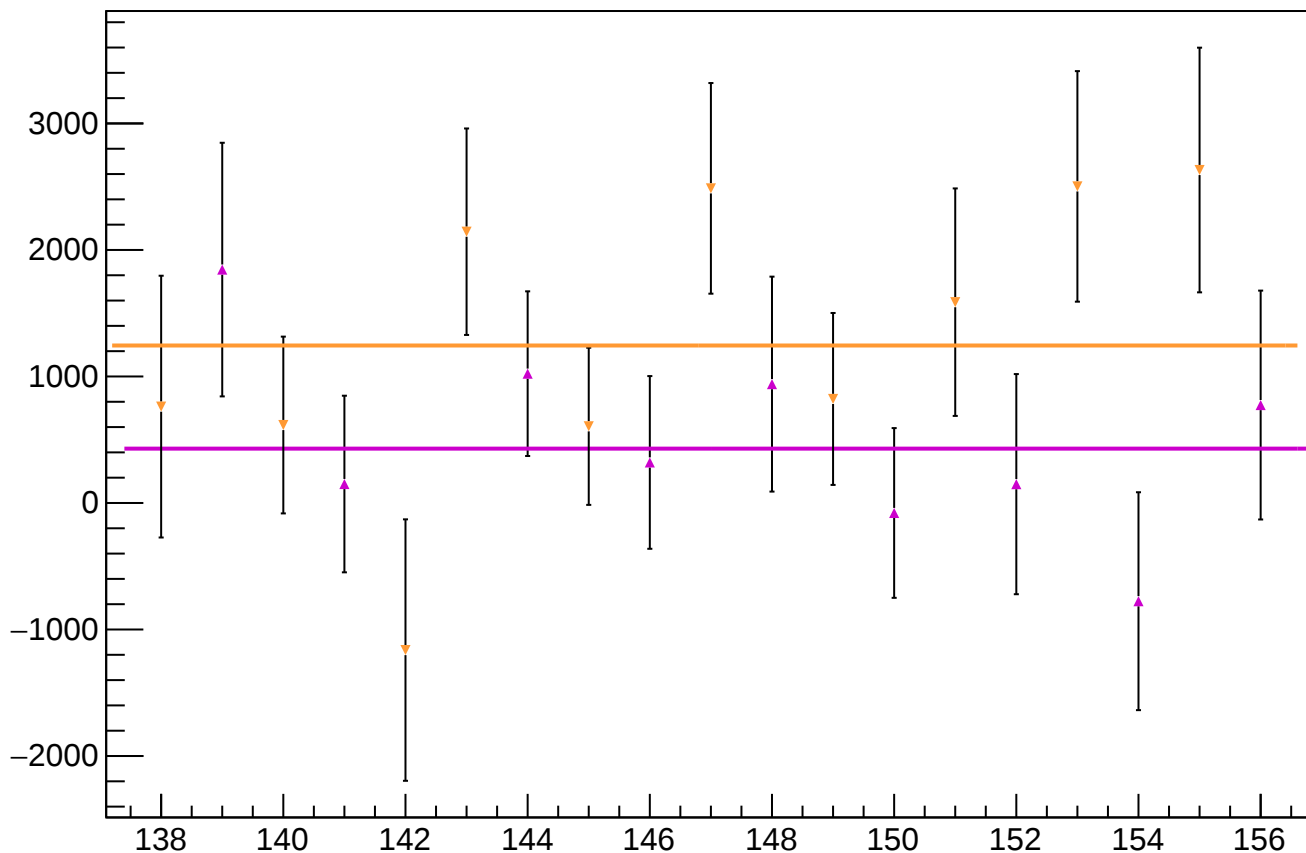
679.547+/-0.180 χ^2/NDF : 367558.2/9

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

684.174+/-0.180 χ^2/NDF : 248312.8/8

Left In: 684.174+/-0.180 χ^2/NDF : 248312.8/8

asym_sam_1548_avg_mean vs Slug



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

Left Out: 1244.829+/-257.068 χ^2/NDF : 15.4/9

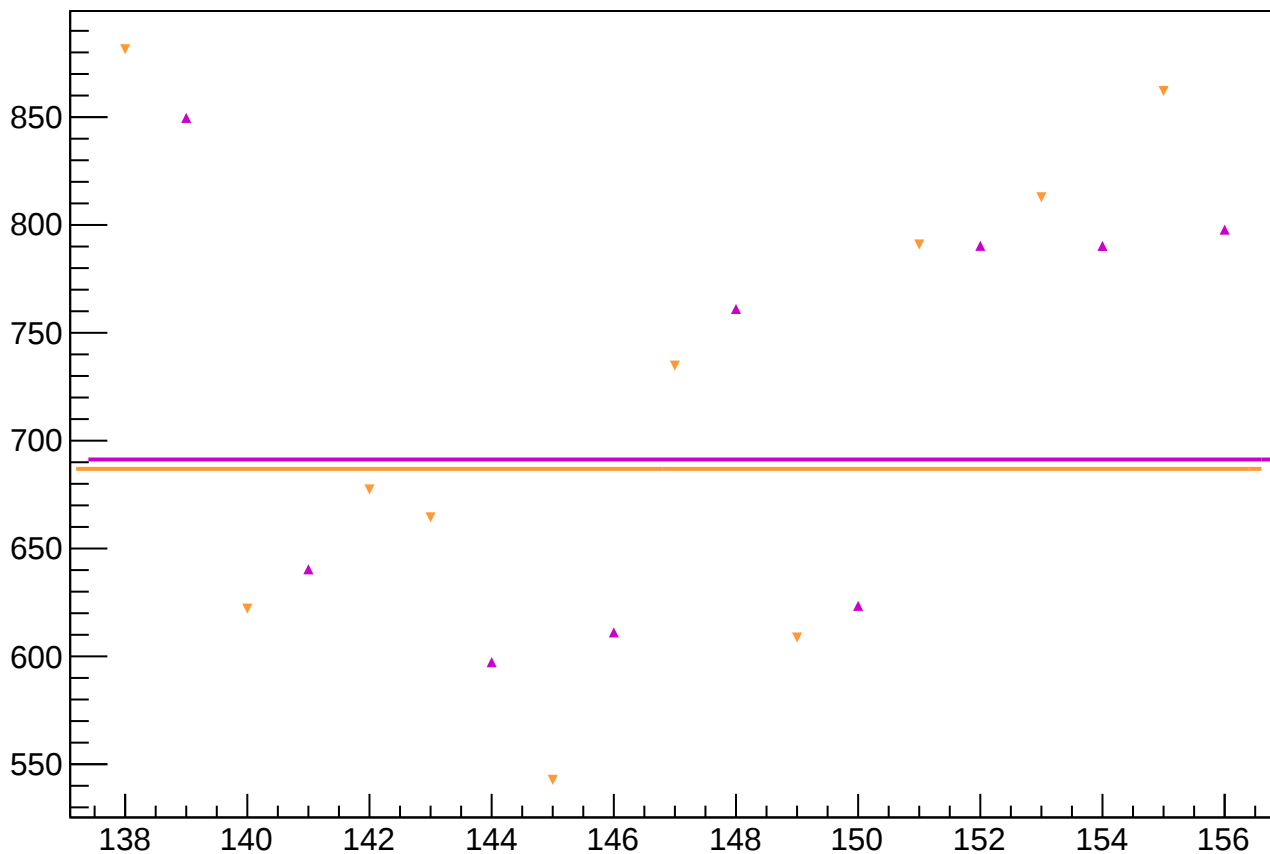
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 429.635+/-257.734 χ^2/NDF : 6.2/8

1244.829+/-257.068 χ^2/NDF : 15.4/9

429.635+/-257.734 χ^2/NDF : 6.2/8

asym_sam_1548_avg_rms vs Slug



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

Left Out: 686.926+/-0.182 χ^2/NDF : 361069.7/9

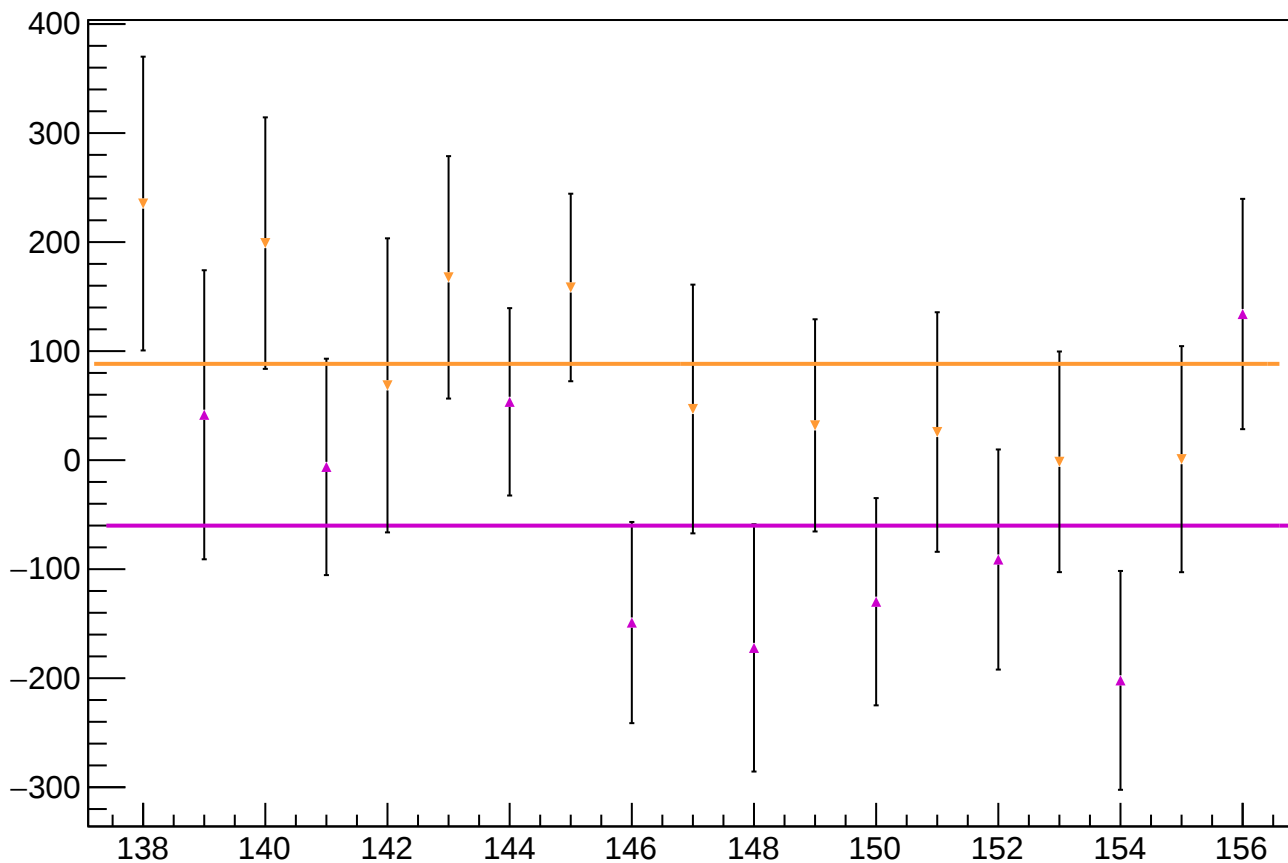
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 691.269+/-0.182 χ^2/NDF : 243908.4/8

686.926+/-0.182 χ^2/NDF : 361069.7/9

691.269+/-0.182 χ^2/NDF : 243908.4/8

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 88.321+/-34.152 χ^2/NDF : 5.6/9

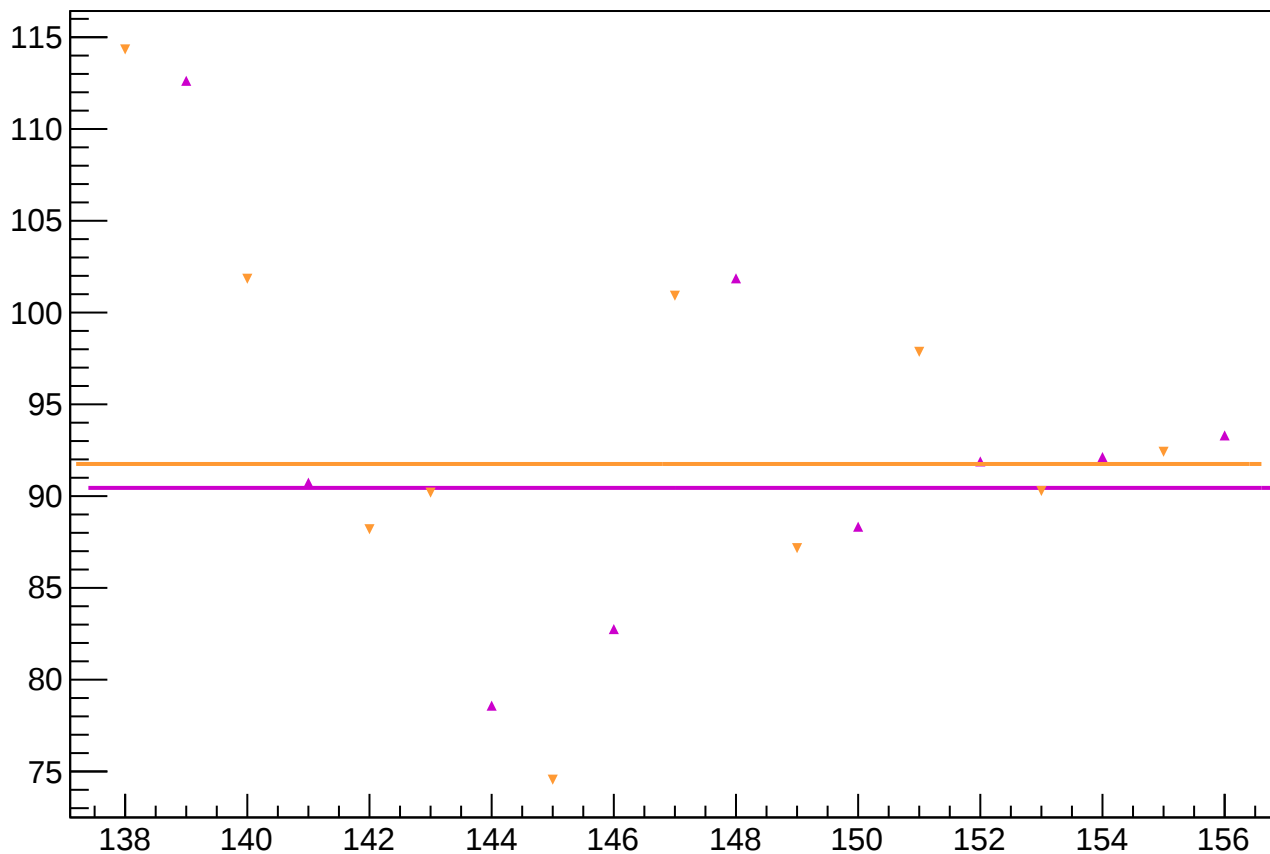
88.321+/-34.152 χ^2/NDF : 5.6/9

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

-60.056+/-33.580 χ^2/NDF : 10.5/8

Left In: -60.056+/-33.580 χ^2/NDF : 10.5/8

reg_asym_sam_3748_avg_rms vs Slug



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

Left Out: 91.751+/-0.024 χ^2/NDF :177325.7/9

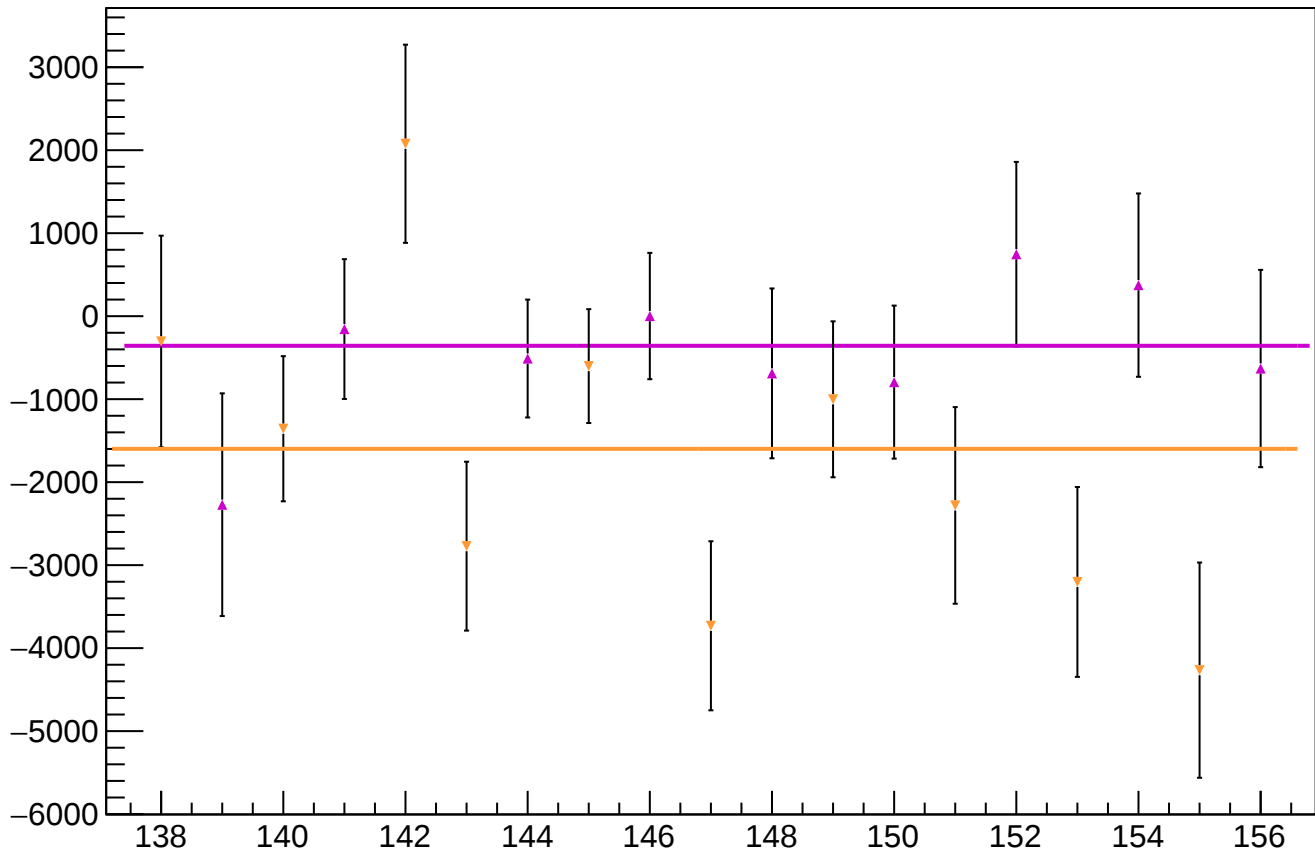
91.751+/-0.024 χ^2/NDF : 177325.7/9

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

90.448+/-0.024 χ^2/NDF : 131713.5/8

Left In: 90.448+/-0.024 χ^2/NDF :131713.5/8

asym_sam_3748_avg_correction_mean vs Slug



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

Left Out: -1598.408+/-318.094 χ^2/NDF : 25.3/9

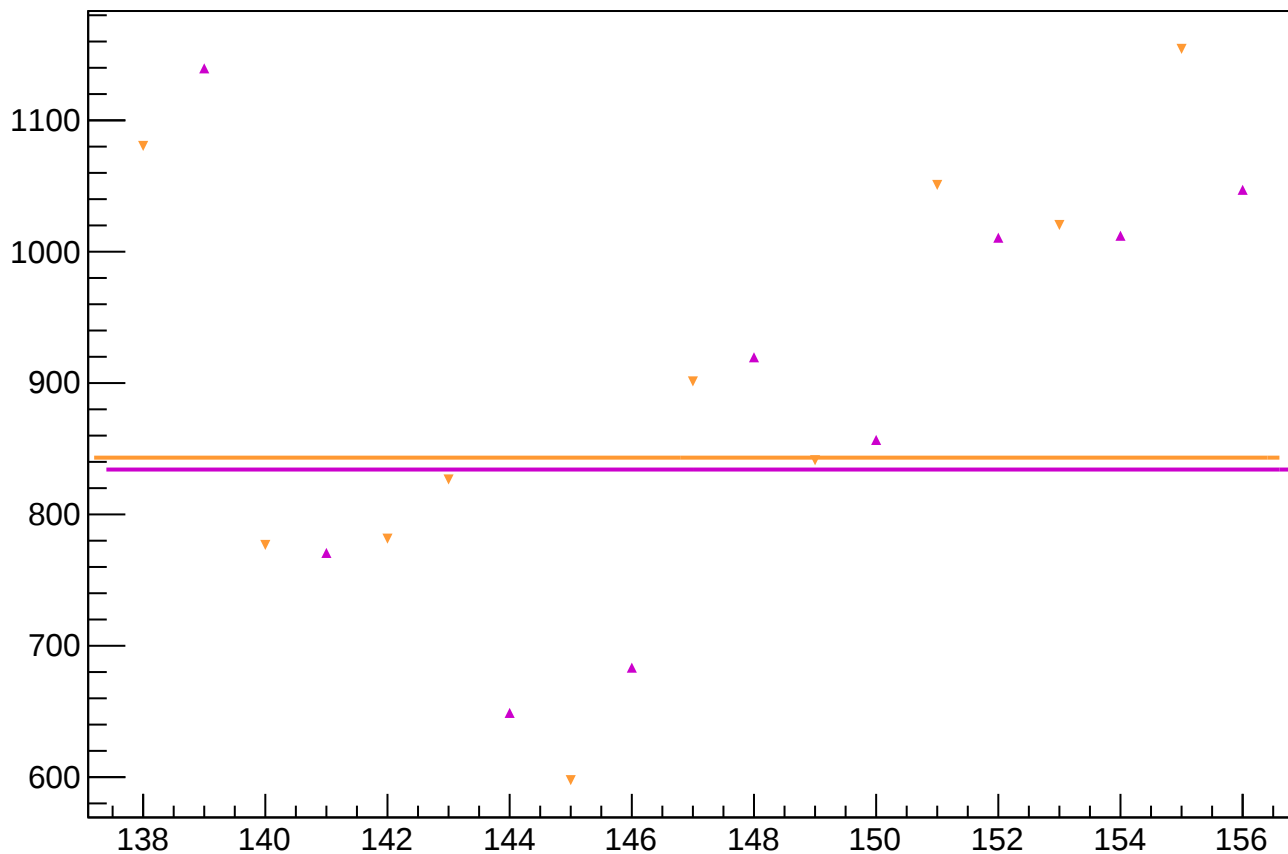
-1598.408+/-318.094 χ^2/NDF : 25.3/9

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

-356.917+/-314.031 χ^2/NDF : 4.2/8

Left In: -356.917+/-314.031 χ^2/NDF : 4.2/8

asym_sam_3748_avg_correction_rms vs Slug



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

Left Out: 843.223+/-0.225 χ^2/NDF : 573895.9/9

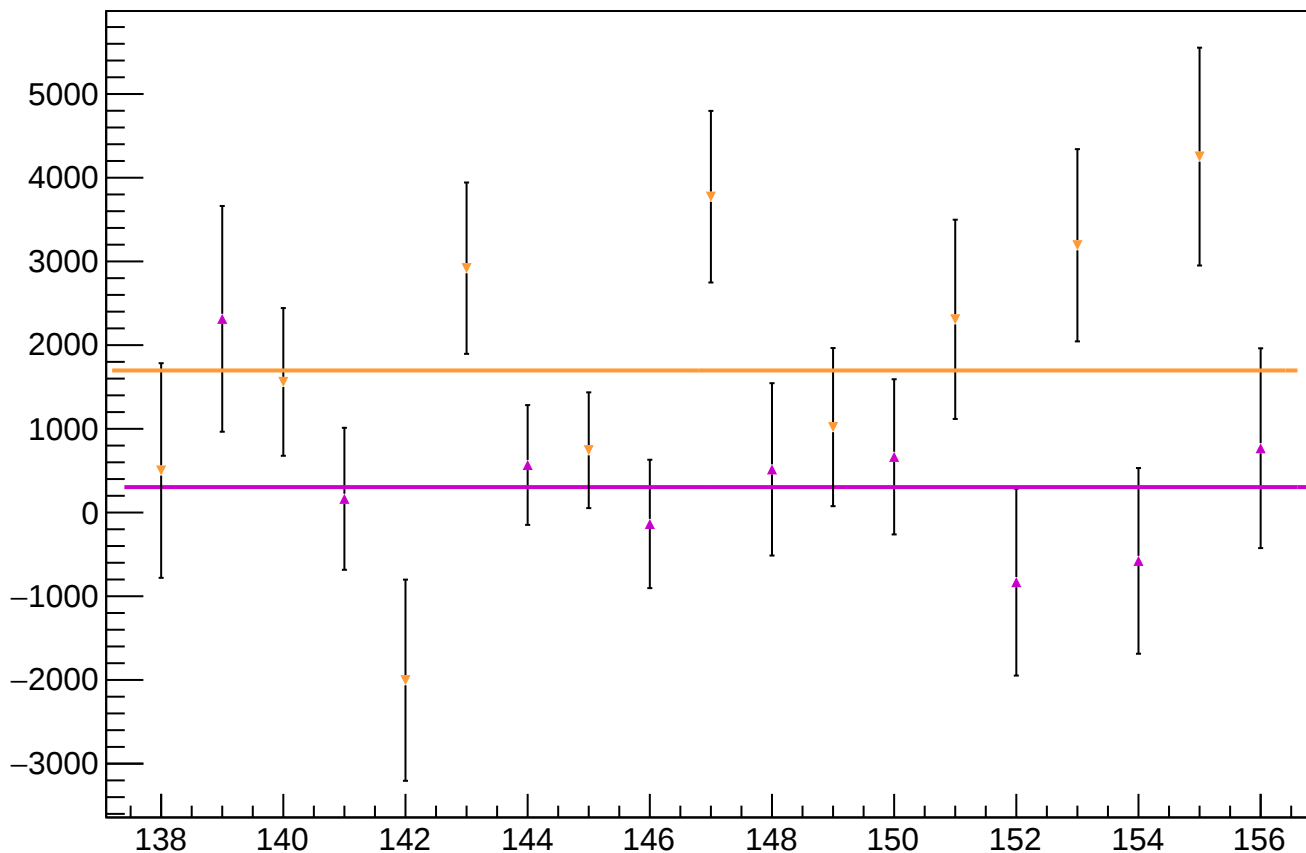
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 834.165+/-0.222 χ^2/NDF : 511188.7/8

843.223+/-0.225 χ^2/NDF : 573895.9/9

834.165+/-0.222 χ^2/NDF : 511188.7/8

asym_sam_3748_avg_mean vs Slug



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

Left Out: 1697.284+/-320.120 χ^2/NDF : 24.1/9

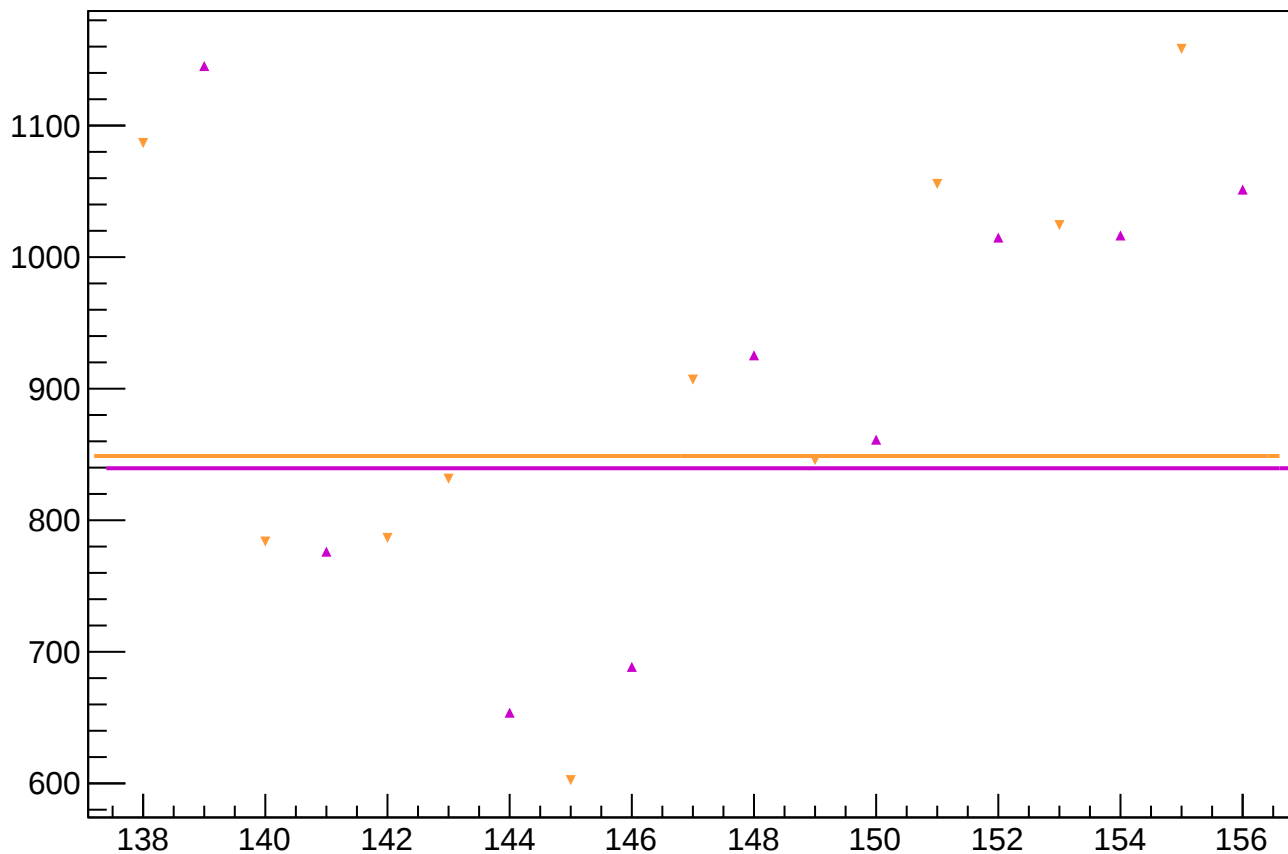
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 303.829+/-315.965 χ^2/NDF : 4.7/8

1697.284+/-320.120 χ^2/NDF : 24.1/9

303.829+/-315.965 χ^2/NDF : 4.7/8

asym_sam_3748_avg_rms vs Slug



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

Left Out: 848.836+/-0.226 χ^2/NDF : 566197.0/9

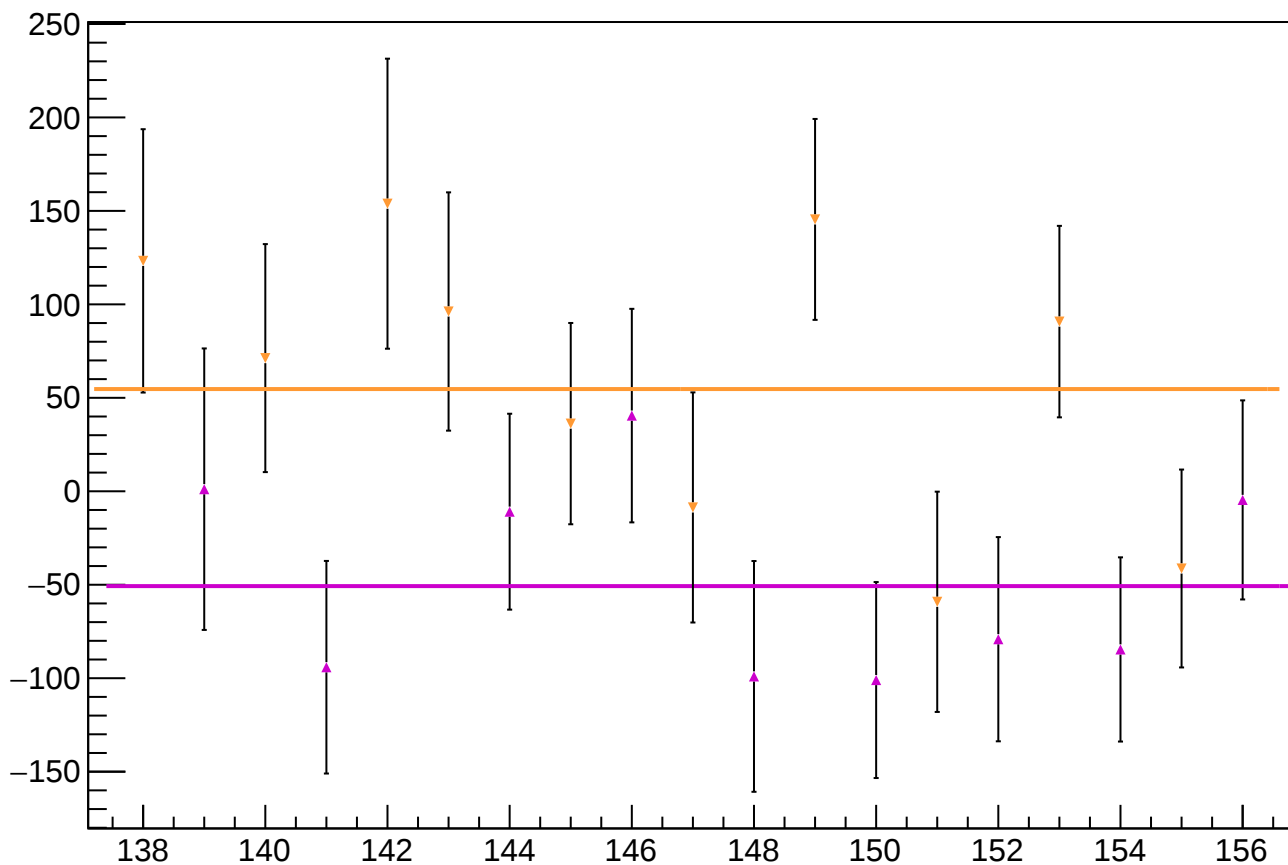
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 839.524+/-0.223 χ^2/NDF : 504476.4/8

848.836+/-0.226 χ^2/NDF : 566197.0/9

839.524+/-0.223 χ^2/NDF : 504476.4/8

reg_asym_sam_1526_avg_mean vs Slug



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

Left Out: 54.687+/-18.686 χ^2/NDF : 14.6/9

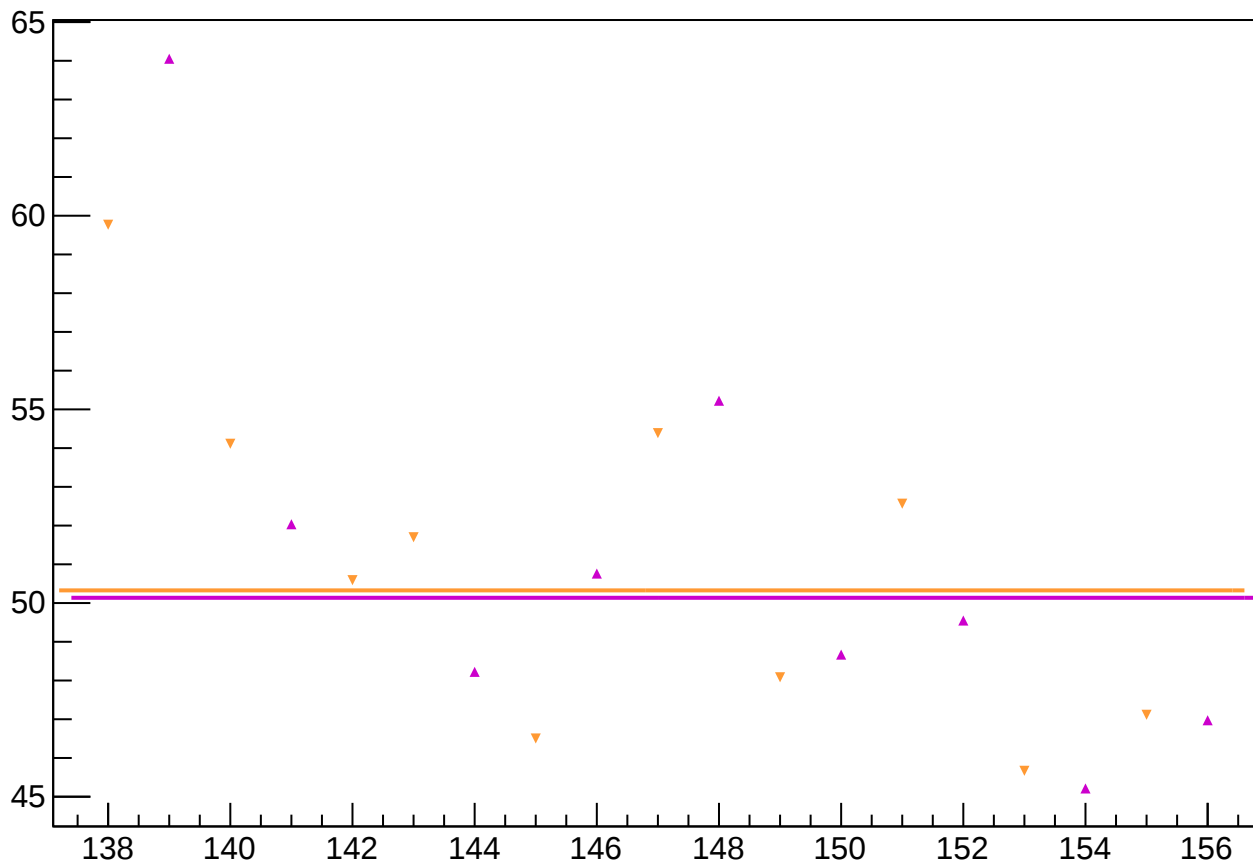
54.687+/-18.686 χ^2/NDF : 14.6/9

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

-50.727+/-18.626 χ^2/NDF : 7.2/8

Left In: -50.727+/-18.626 χ^2/NDF : 7.2/8

reg_asym_sam_1526_avg_rms vs Slug



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

Left Out: 50.327+/-0.013 χ^2/NDF : 93638.7/9

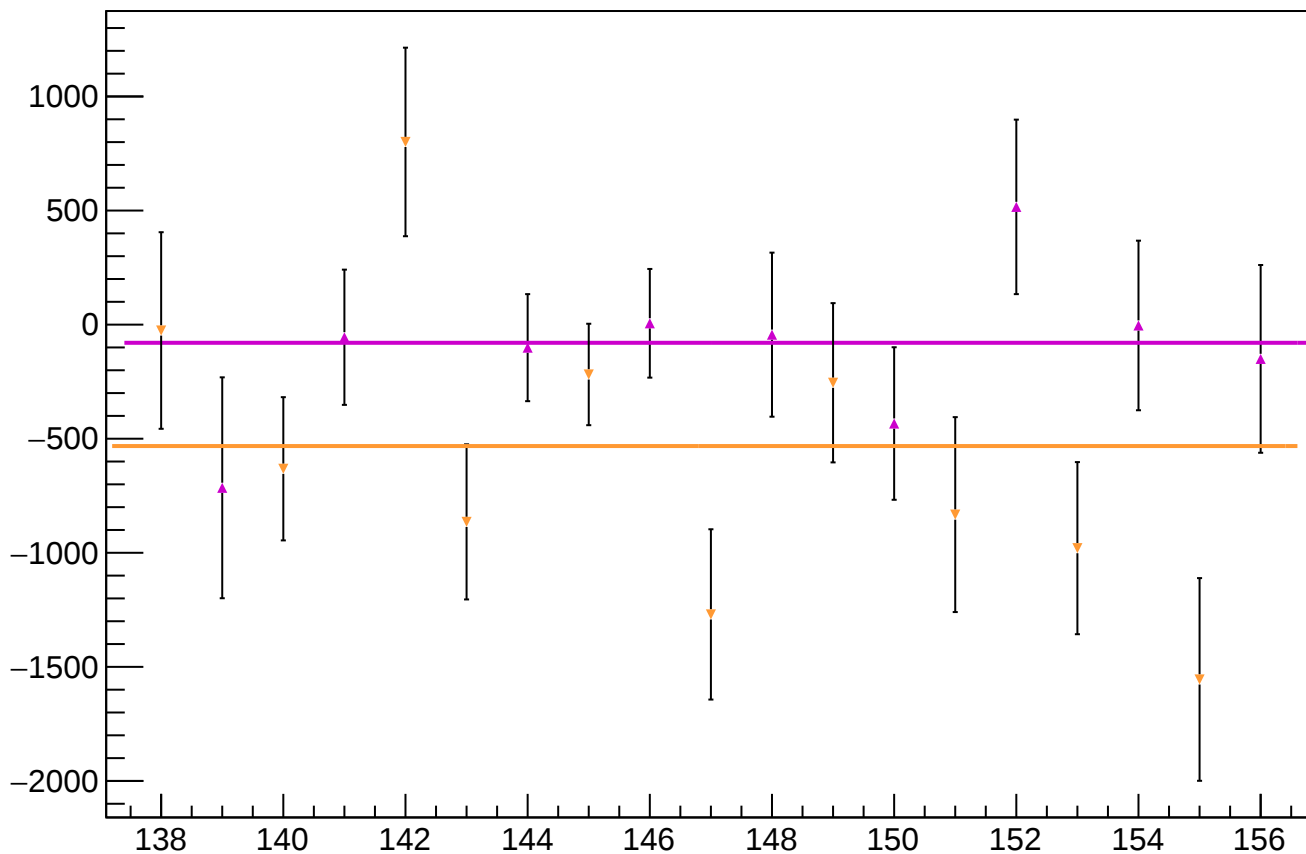
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 50.136+/-0.013 χ^2/NDF : 115859.3/8

50.327+/-0.013 χ^2/NDF : 93638.7/9

50.136+/-0.013 χ^2/NDF : 115859.3/8

asym_sam_1526_avg_correction_mean vs Slug



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

Left Out: -532.177+/-109.601 χ^2/NDF : 26.6/9

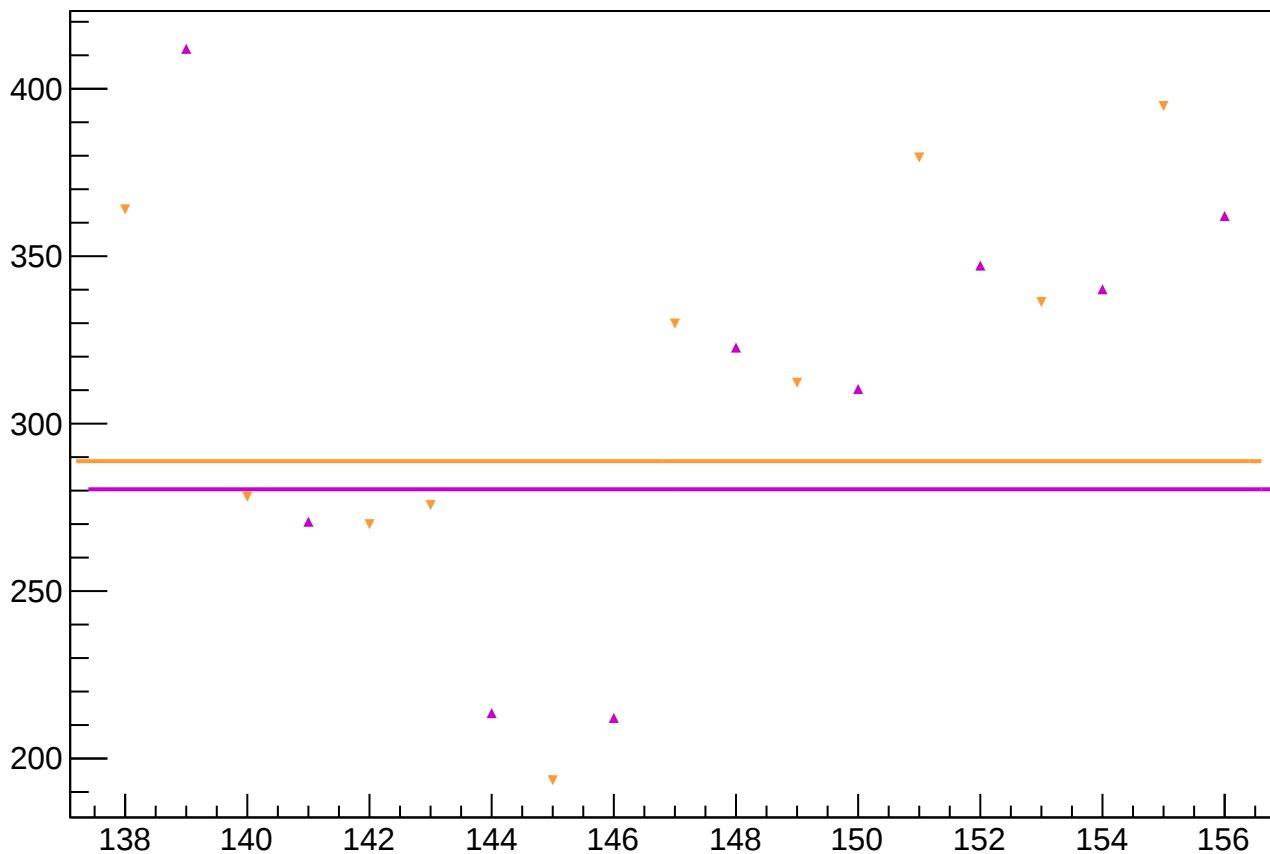
-532.177+/-109.601 χ^2/NDF : 26.6/9

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

-79.599+/-106.528 χ^2/NDF : 5.5/8

Left In: -79.599+/-106.528 χ^2/NDF : 5.5/8

asym_sam_1526_avg_correction_rms vs Slug



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

Left Out: 288.801+/-0.077 χ^2/NDF : 706885.0/9

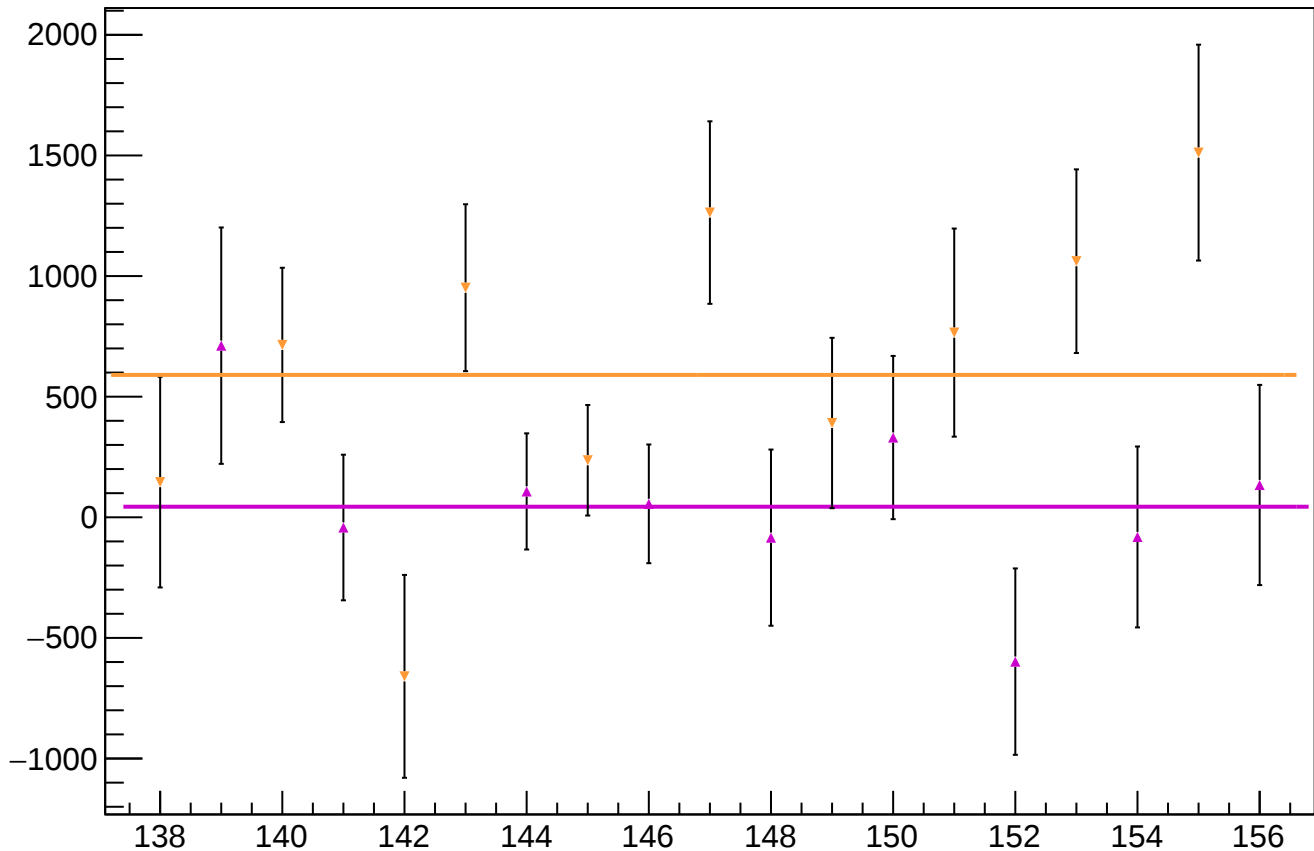
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 280.396+/-0.075 χ^2/NDF : 711603.4/8

288.801+/-0.077 χ^2/NDF : 706885.0/9

280.396+/-0.075 χ^2/NDF : 711603.4/8

asym_sam_1526_avg_mean vs Slug



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

Left Out: 590.225+/-111.556 χ^2/NDF : 22.9/9

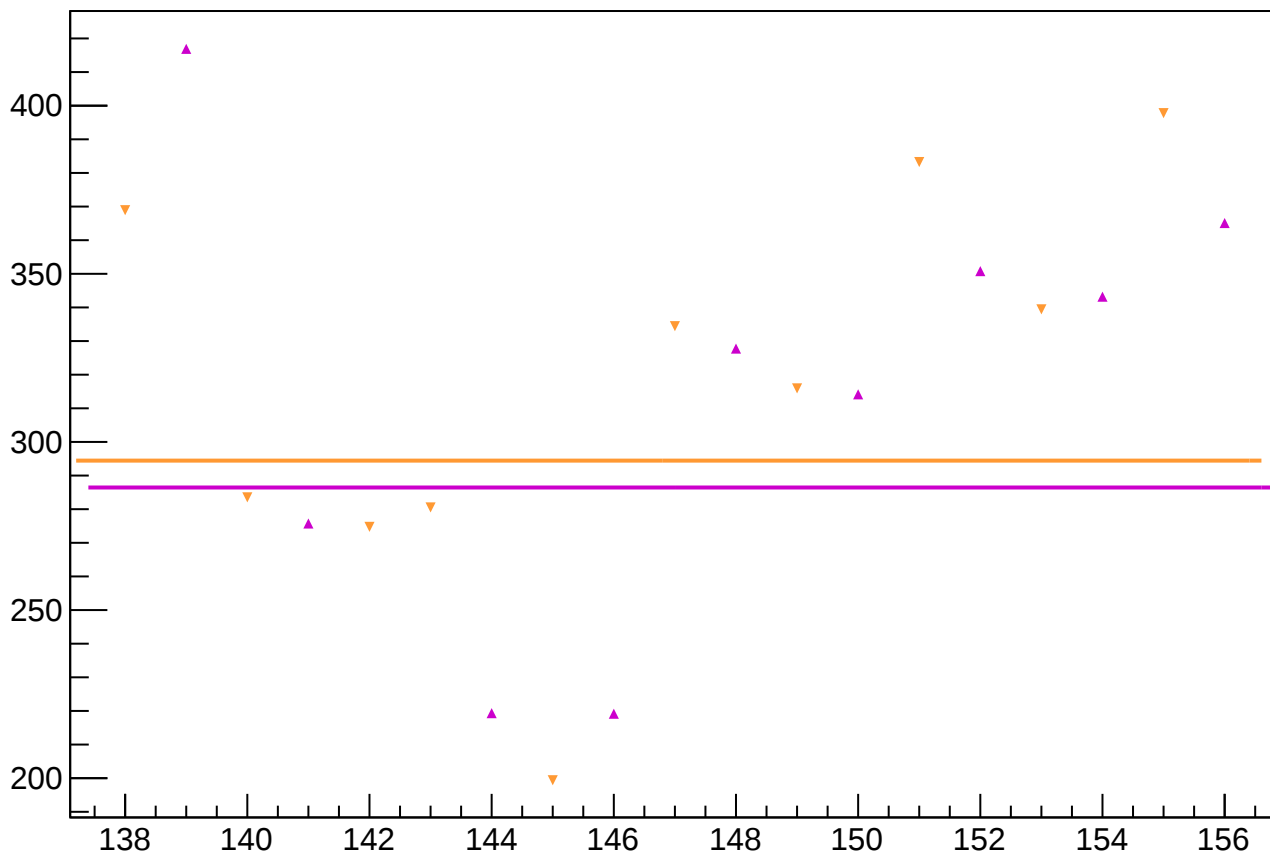
590.225+/-111.556 χ^2/NDF : 22.9/9

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

43.835+/-108.615 χ^2/NDF : 5.8/8

Left In: 43.835+/-108.615 χ^2/NDF : 5.8/8

asym_sam_1526_avg_rms vs Slug



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

Left Out: 294.446+/-0.079 χ^2/NDF : 661583.4/9

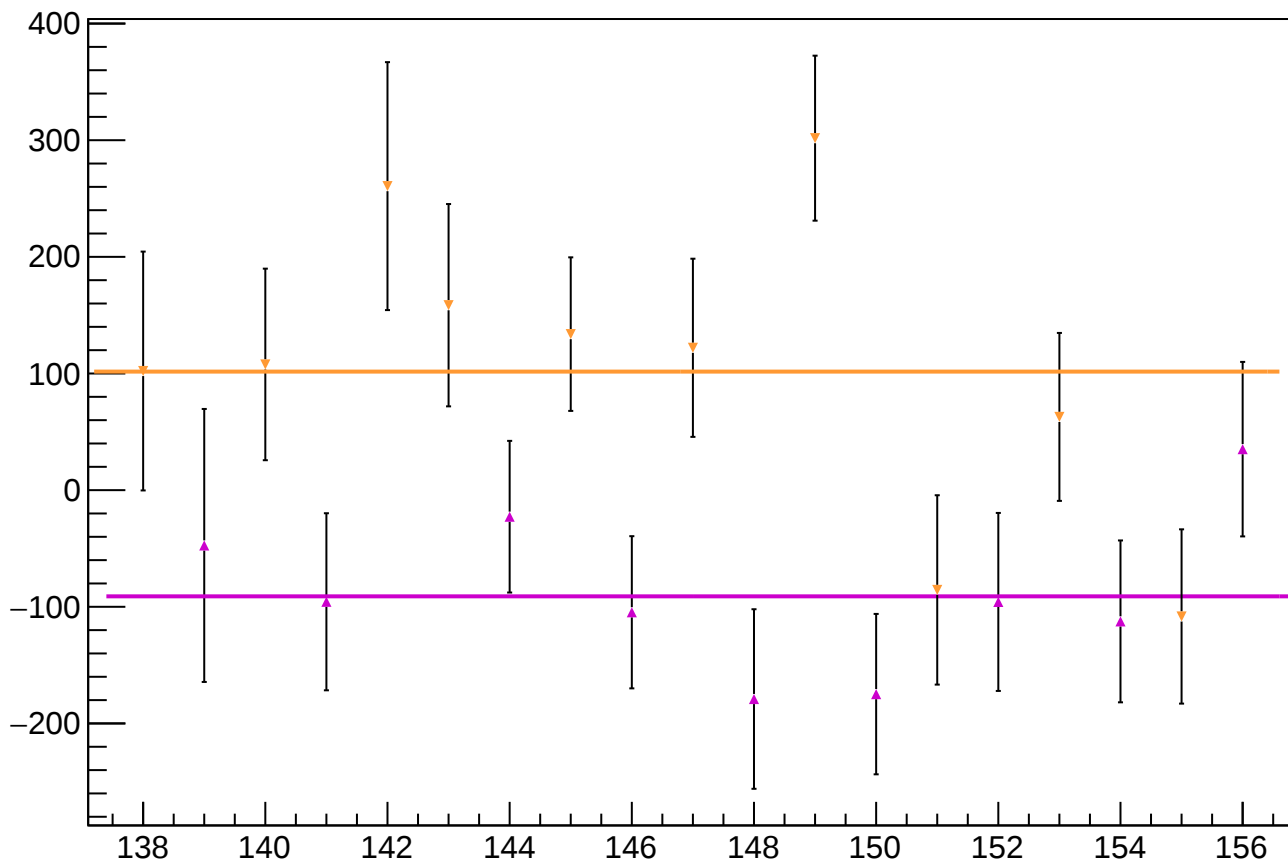
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 286.449+/-0.077 χ^2/NDF : 661447.3/8

294.446+/-0.079 χ^2/NDF : 661583.4/9

286.449+/-0.077 χ^2/NDF : 661447.3/8

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 101.635+/-25.068 χ^2/NDF : 24.5/9

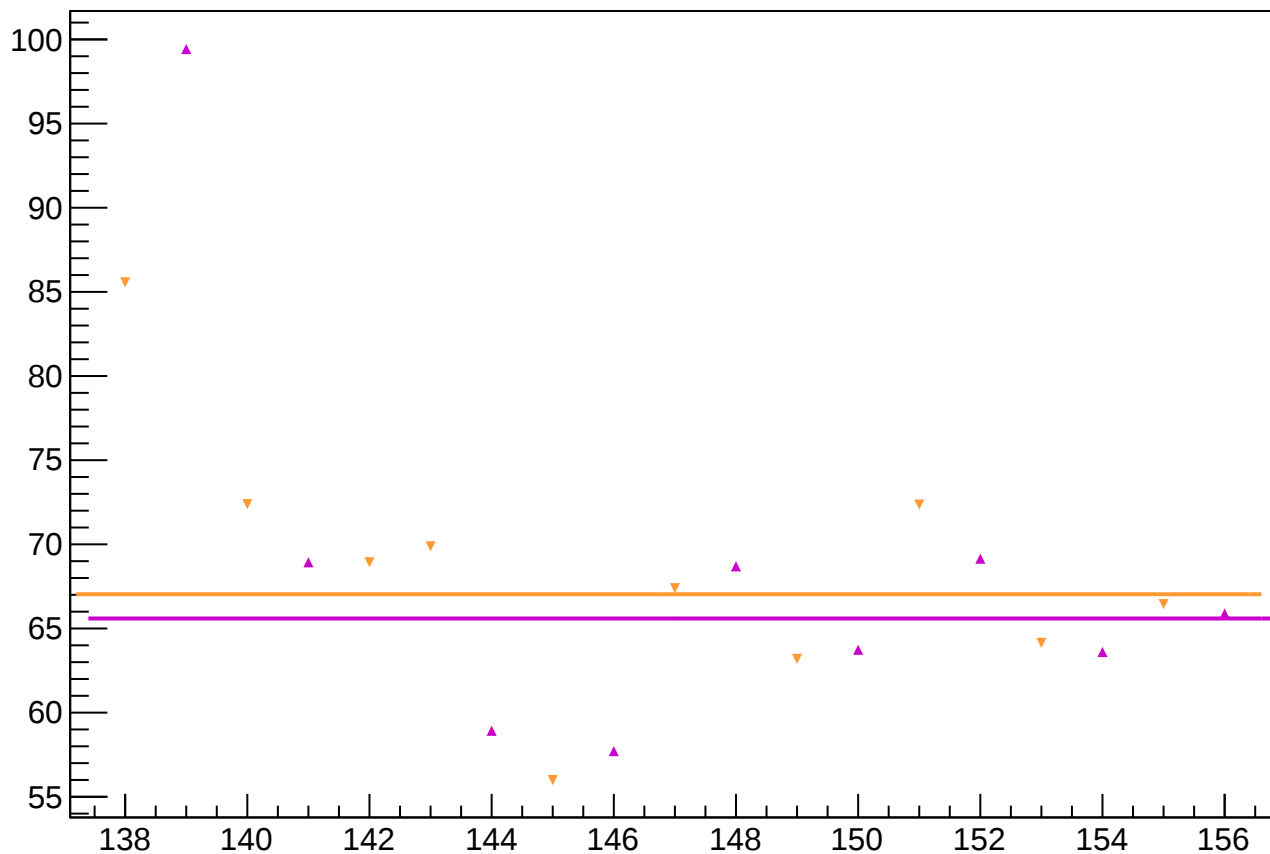
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -91.038+/-24.568 χ^2/NDF : 7.0/8

101.635+/-25.068 χ^2/NDF : 24.5/9

-91.038+/-24.568 χ^2/NDF : 7.0/8

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 67.036+/-0.018 χ^2/NDF :150954.4/9

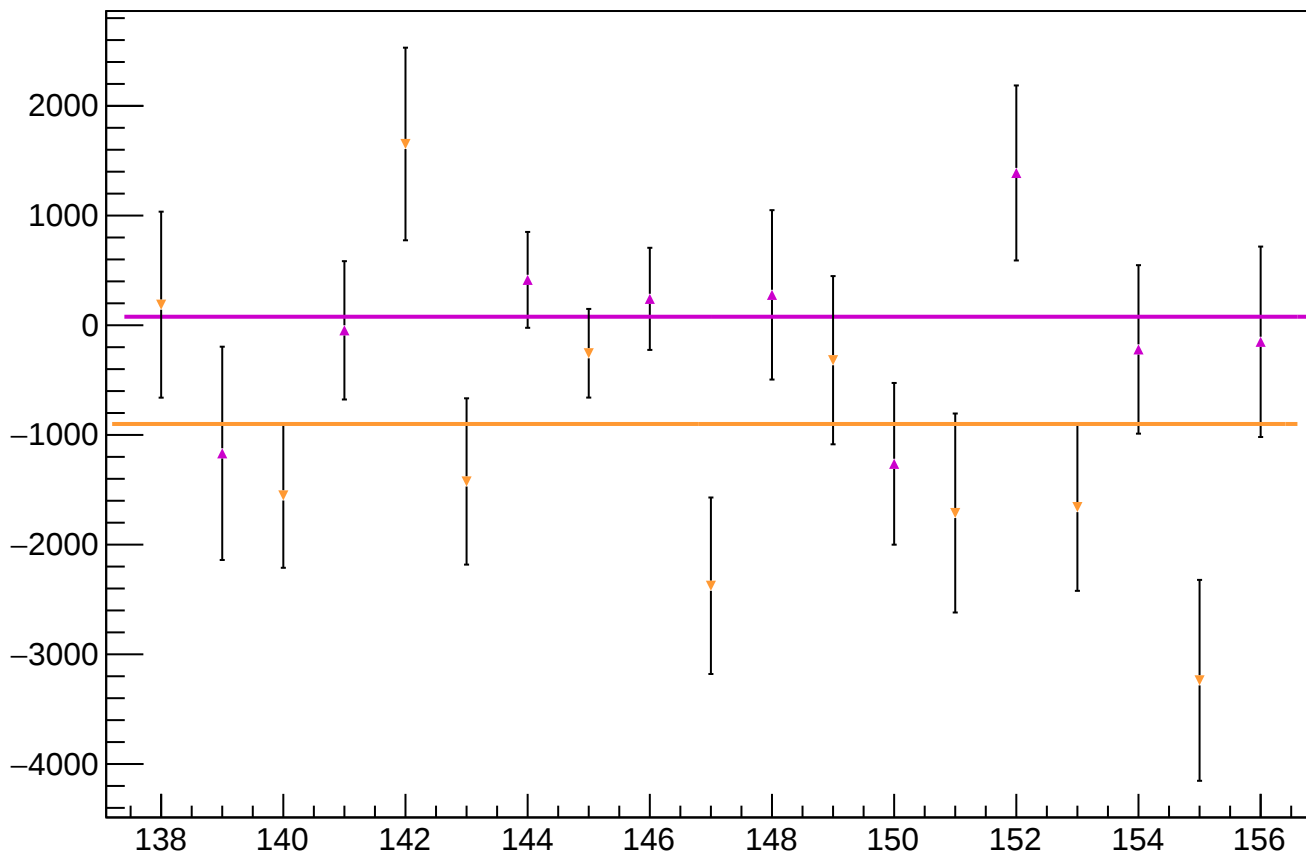
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 65.594+/-0.017 χ^2/NDF :232041.7/8

67.036+/-0.018 χ^2/NDF : 150954.4/9

65.594+/-0.017 χ^2/NDF : 232041.7/8

asym_sam_3726_avg_correction_mean vs Slug



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

Left Out: -900.023 $\pm$ 222.420 χ^2 /NDF: 26.3/9

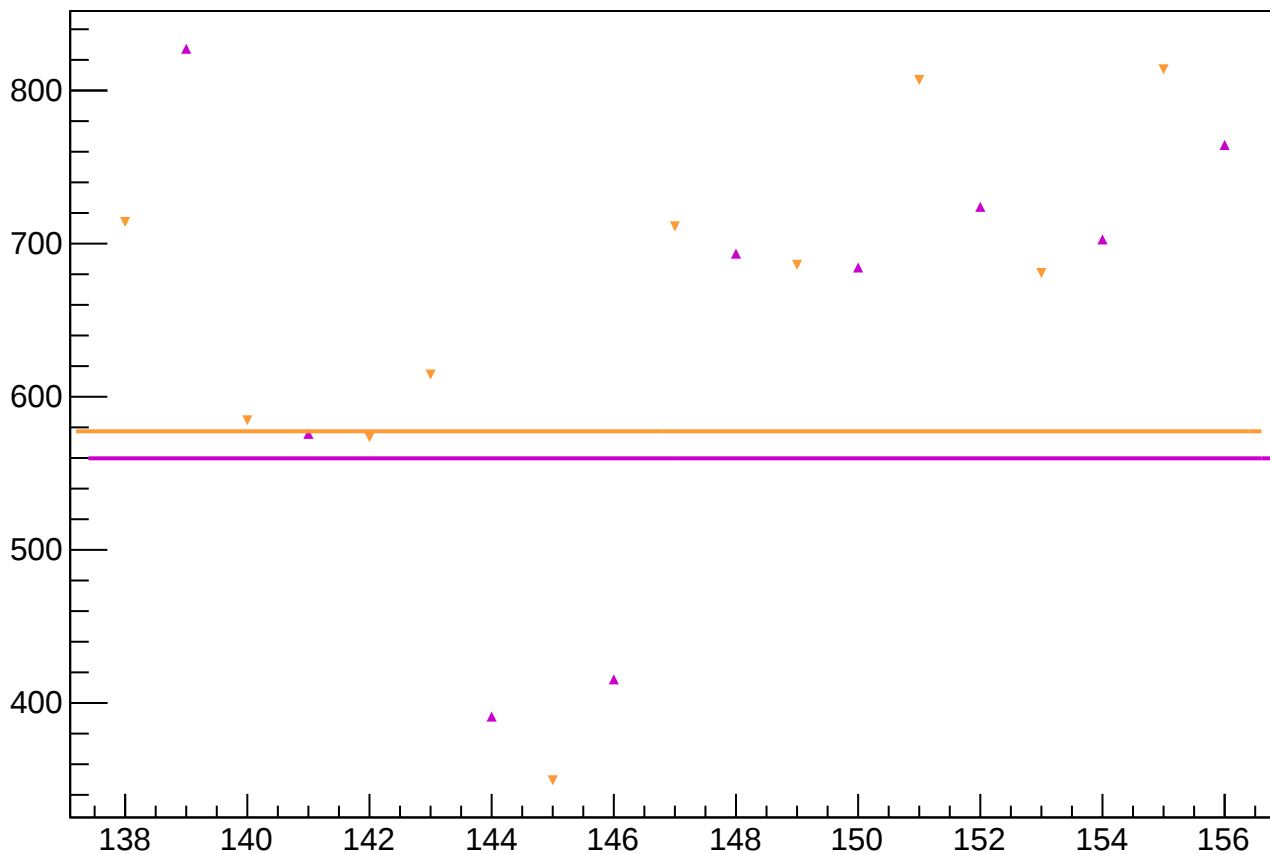
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 77.681 $\pm$ 215.494 χ^2 /NDF: 8.7/8

-900.023 $\pm$ 222.420 χ^2 /NDF: 26.3/9

77.681 $\pm$ 215.494 χ^2 /NDF: 8.7/8

asym_sam_3726_avg_correction_rms vs Slug



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

Left Out: 577.429+/-0.157 χ^2/NDF :1086514.0/9

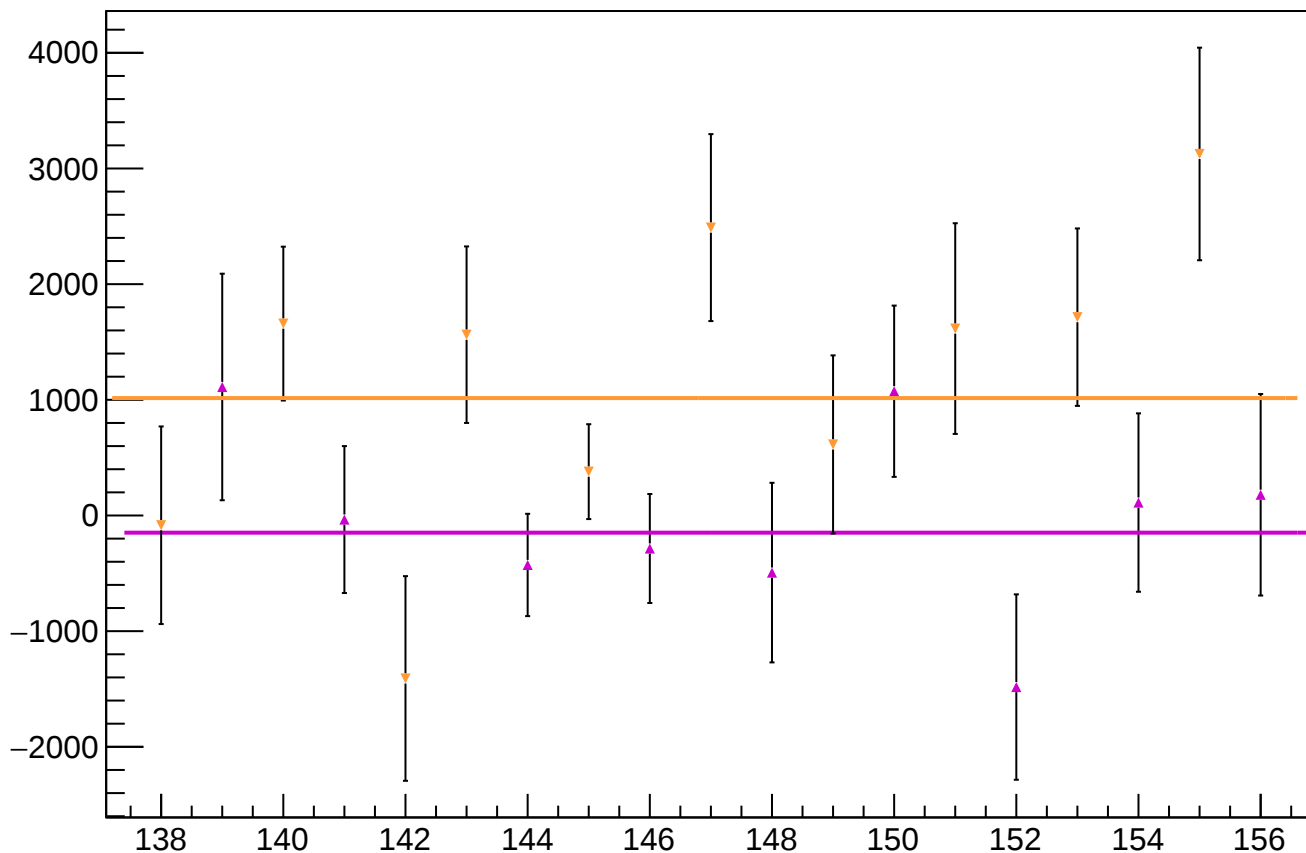
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 559.783+/-0.152 χ^2/NDF :1025203.5/8

577.429+/-0.157 χ^2/NDF : 1086514.0/9

559.783+/-0.152 χ^2/NDF : 1025203.5/8

asym_sam_3726_avg_mean vs Slug



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

Left Out: 1015.202+/-224.274 χ^2/NDF : 23.2/9

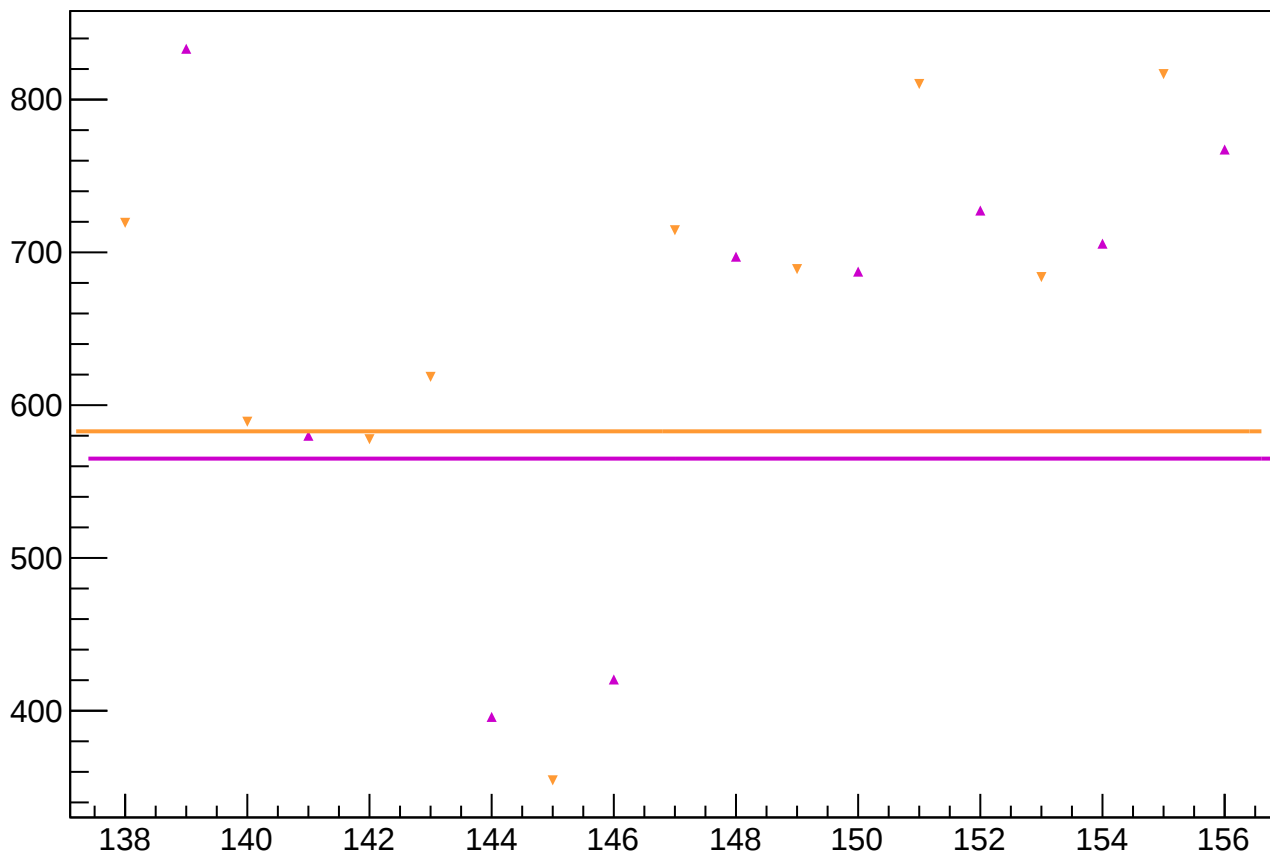
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -148.547+/-217.301 χ^2/NDF : 8.1/8

1015.202+/-224.274 χ^2/NDF : 23.2/9

-148.547+/-217.301 χ^2/NDF : 8.1/8

asym_sam_3726_avg_rms vs Slug



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

Left Out: 582.875+/-0.159 χ^2/NDF :1056102.2/9

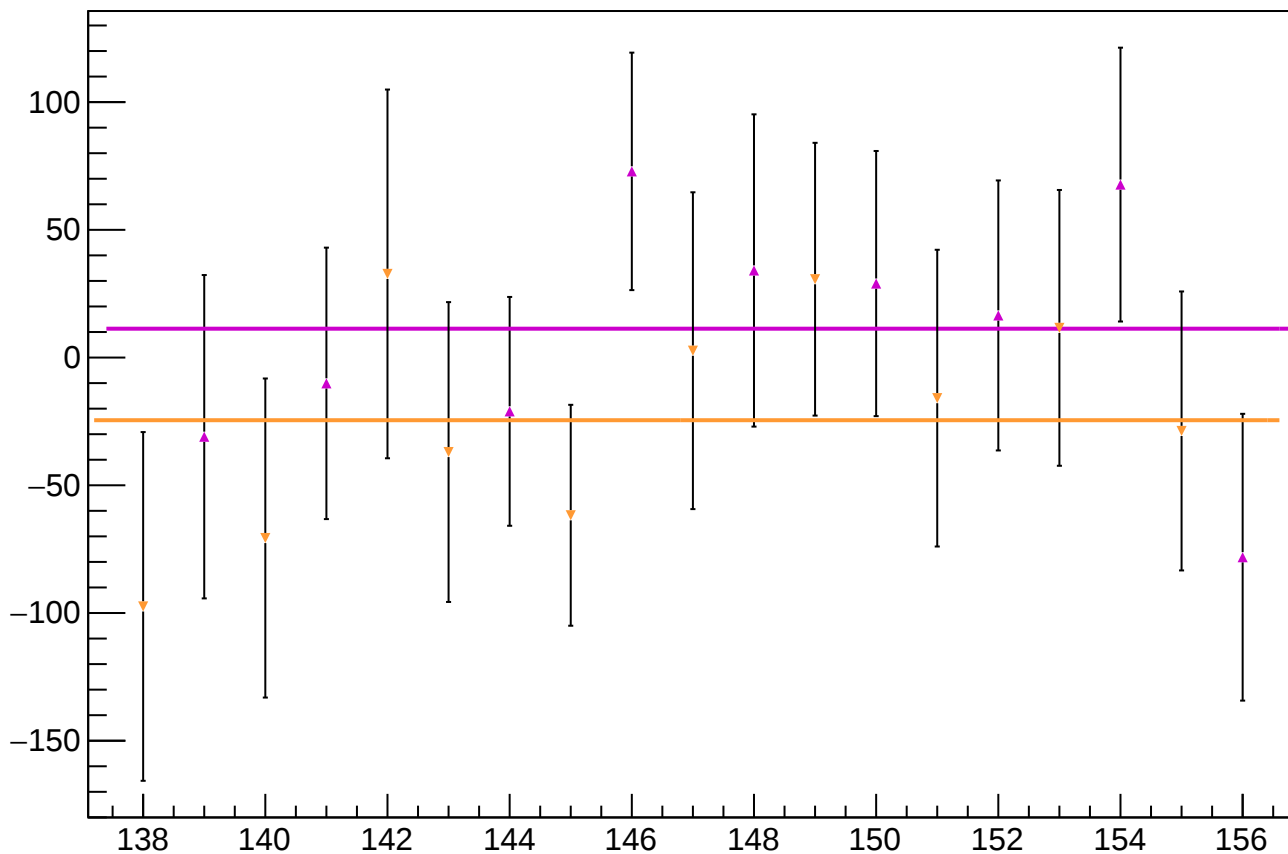
582.875+/-0.159 χ^2/NDF : 1056102.2/9

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

565.016+/-0.154 χ^2/NDF : 1000692.3/8

Left In: 565.016+/-0.154 χ^2/NDF :1000692.3/8

reg_asym_sam_15_48_dd_mean vs Slug



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

Left Out: -24.526+/-18.036 χ^2/NDF : 4.8/9

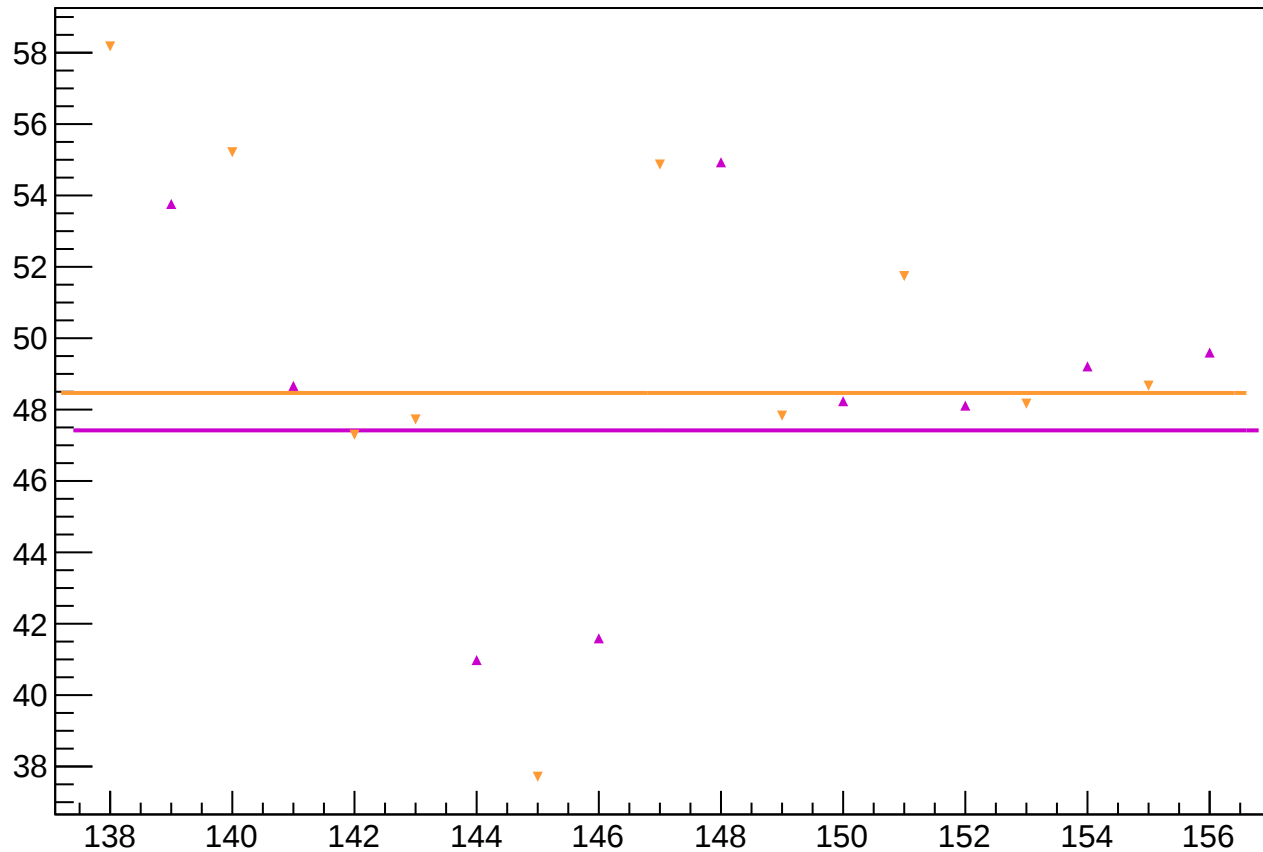
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 11.302+/-17.602 χ^2/NDF : 6.8/8

-24.526+/-18.036 χ^2/NDF : 4.8/9

11.302+/-17.602 χ^2/NDF : 6.8/8

reg_asym_sam_15_48_dd_rms vs Slug



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

Left Out: 48.466+/-0.013 χ^2/NDF :216360.2/9

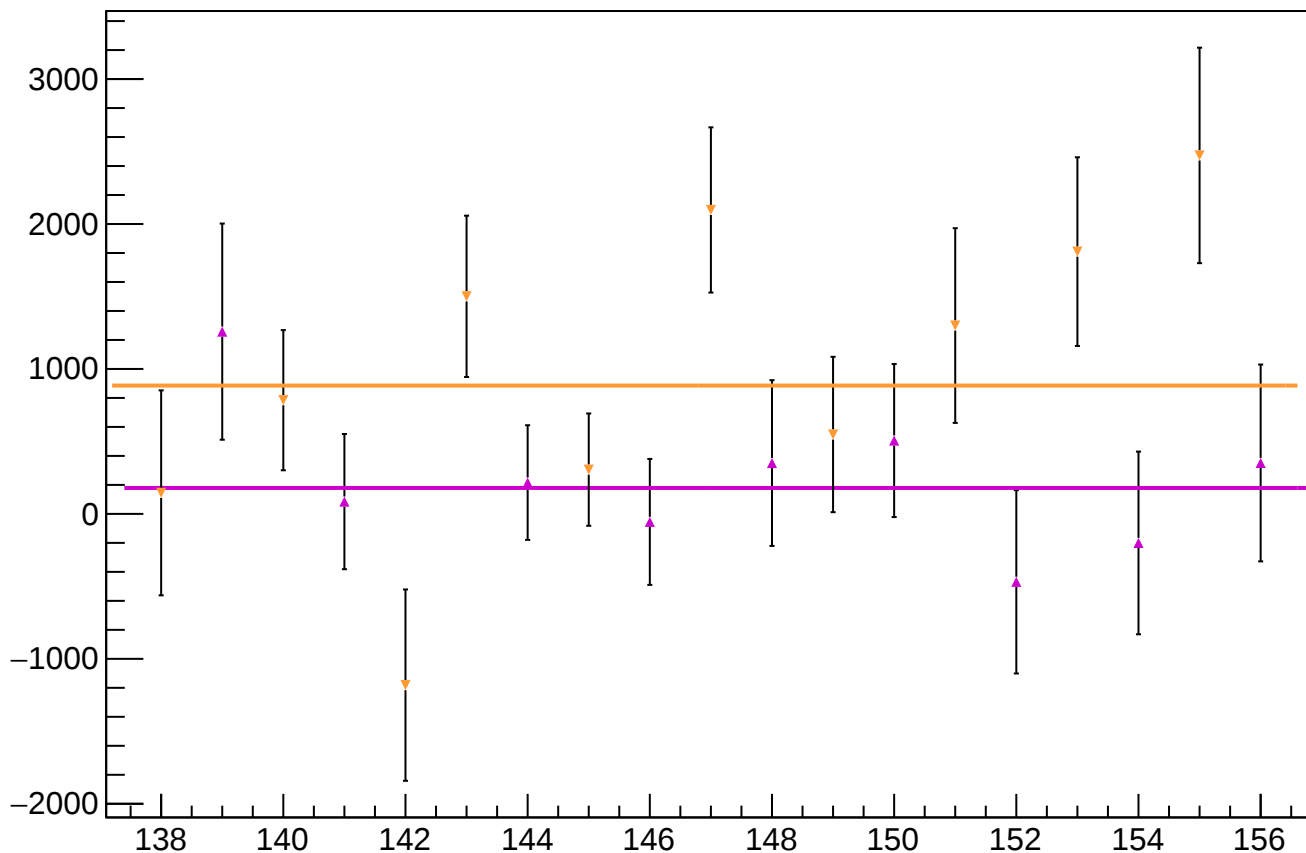
48.466+/-0.013 χ^2/NDF : 216360.2/9

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

47.418+/-0.012 χ^2/NDF : 130223.4/8

Left In: 47.418+/-0.012 χ^2/NDF :130223.4/8

asym_sam_15_48_dd_correction_mean vs Slug



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

Left Out: 885.335+/-178.433 χ^2/NDF : 26.3/9

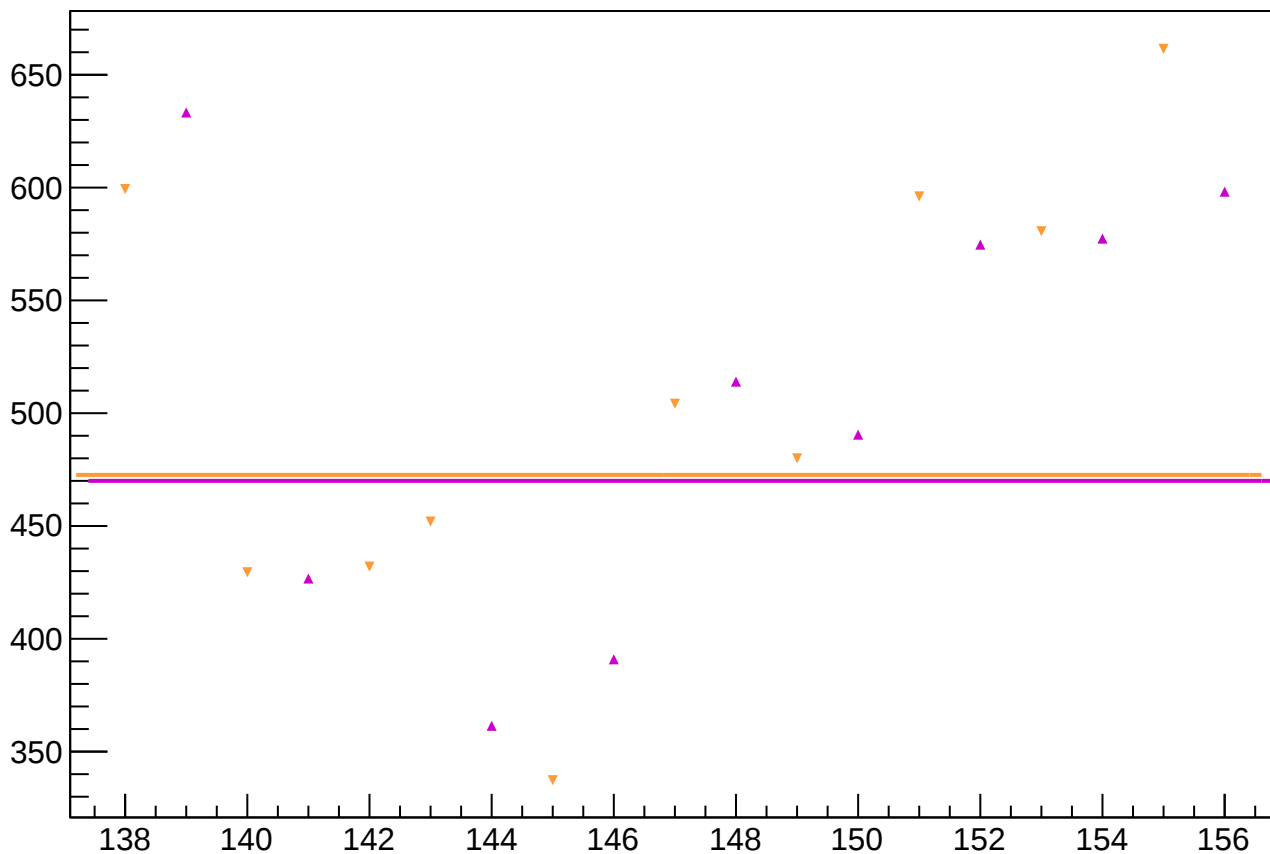
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 179.043+/-177.002 χ^2/NDF : 4.4/8

885.335+/-178.433 χ^2/NDF : 26.3/9

179.043+/-177.002 χ^2/NDF : 4.4/8

asym_sam_15_48_dd_correction_rms vs Slug



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

Left Out: 472.657+/-0.126 χ^2/NDF : 592611.0/9

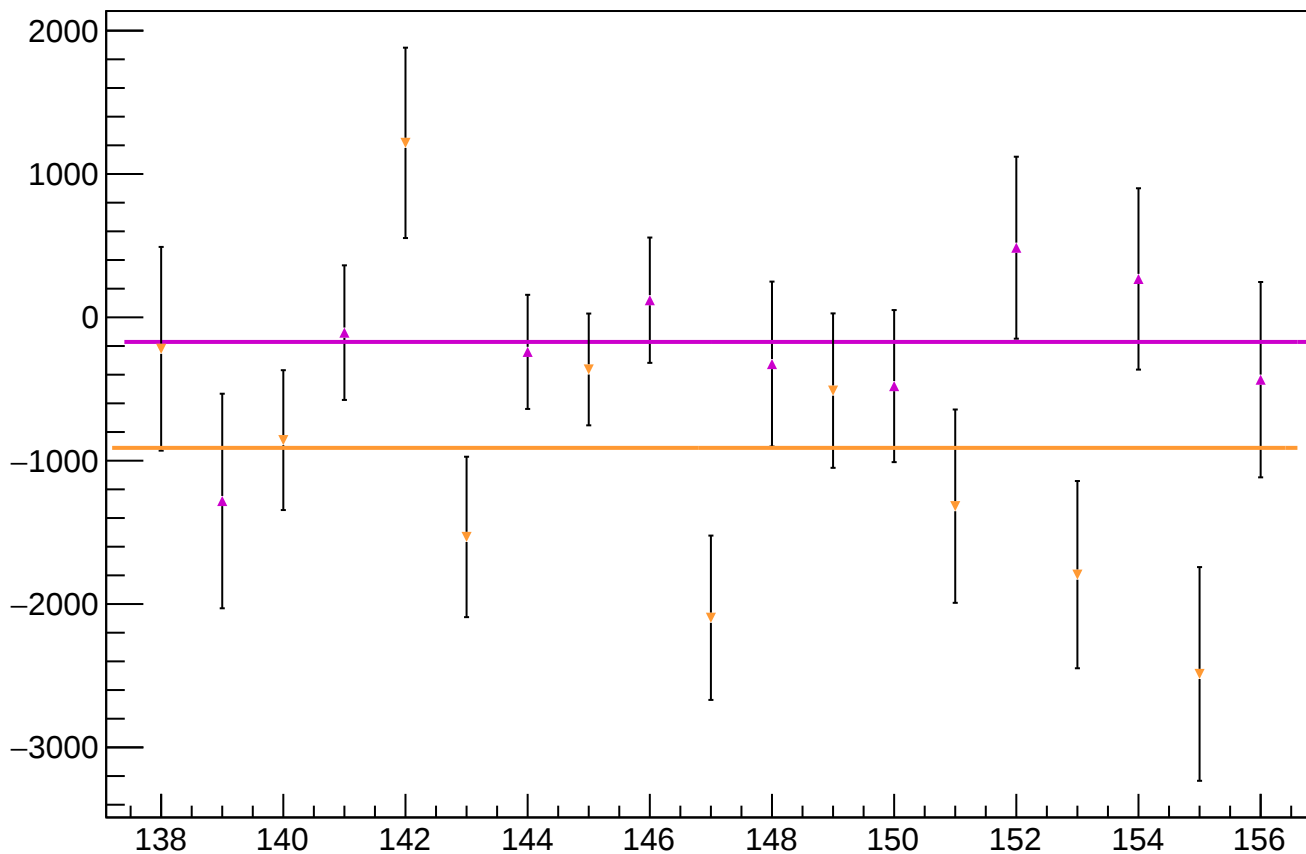
472.657+/-0.126 χ^2/NDF : 592611.0/9

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

470.011+/-0.125 χ^2/NDF : 529129.3/8

Left In: 470.011+/-0.125 χ^2/NDF : 529129.3/8

asym_sam_15_48_dd_mean vs Slug



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

Left Out: -910.588+/-179.447 χ^2/NDF : 25.9/9

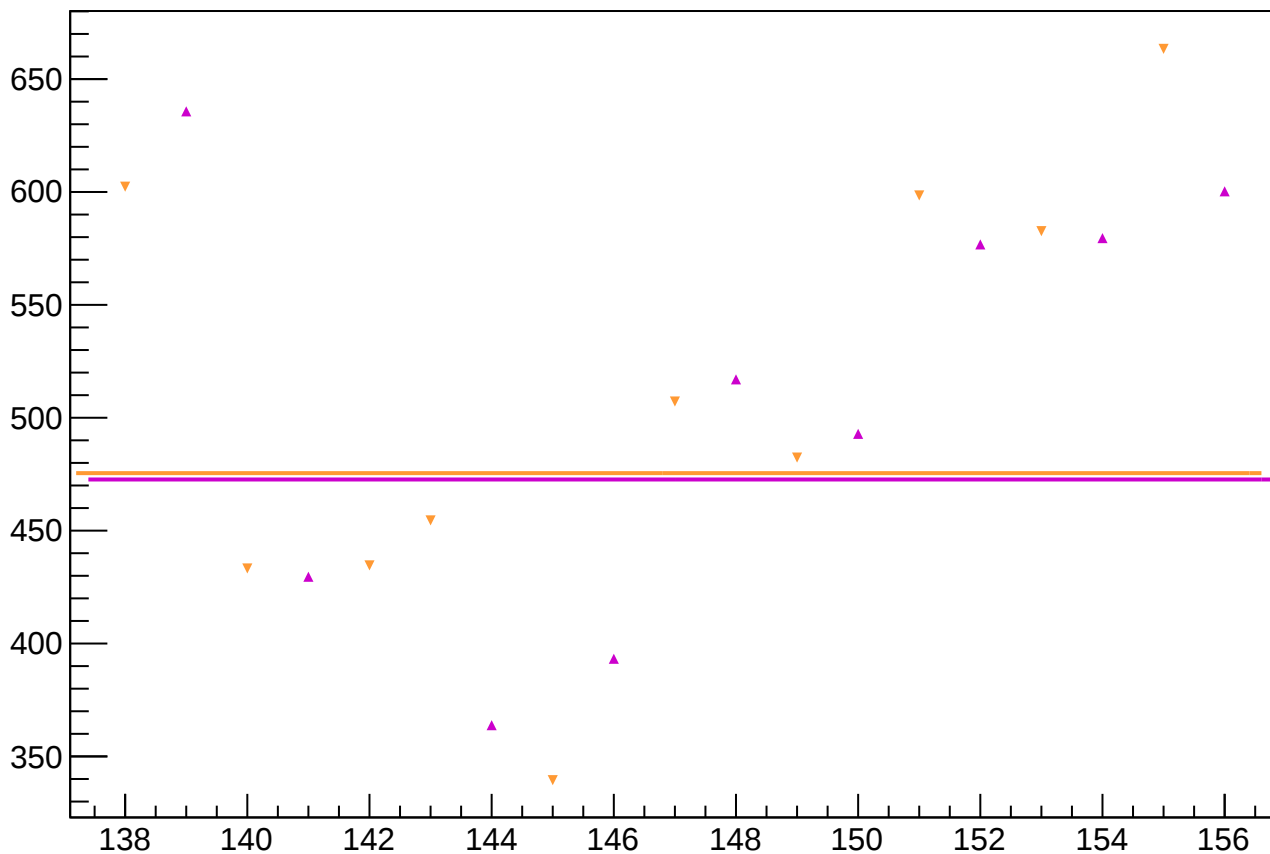
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -171.521+/-177.954 χ^2/NDF : 4.8/8

-910.588+/-179.447 χ^2/NDF : 25.9/9

-171.521+/-177.954 χ^2/NDF : 4.8/8

asym_sam_15_48_dd_rms vs Slug



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

Left Out: 475.469+/-0.127 χ^2/NDF : 586390.8/9

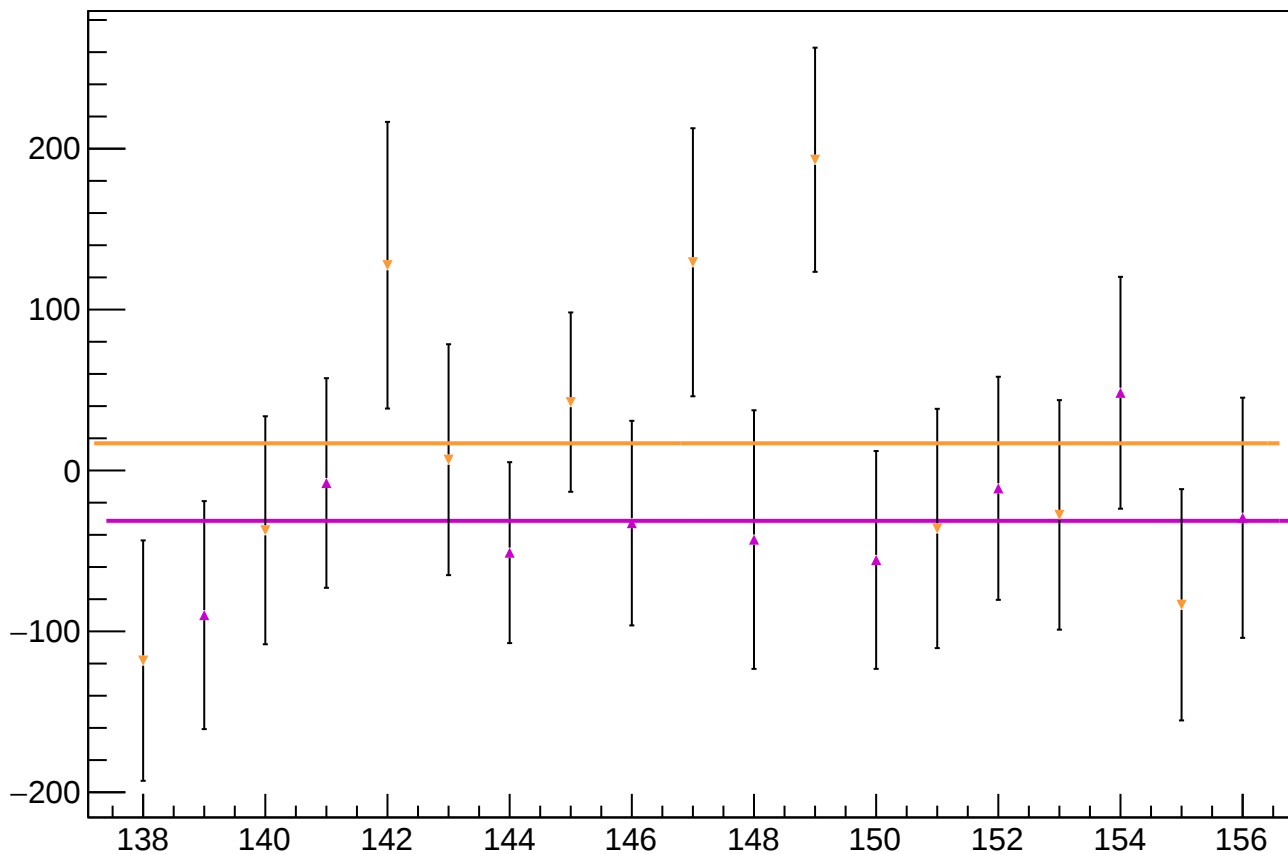
475.469+/-0.127 χ^2/NDF : 586390.8/9

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

472.653+/-0.126 χ^2/NDF : 523154.8/8

Left In: 472.653+/-0.126 χ^2/NDF : 523154.8/8

reg_asym_sam_37_48_dd_mean vs Slug



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

Left Out: 16.913+/-22.694 χ^2/NDF : 16.7/9

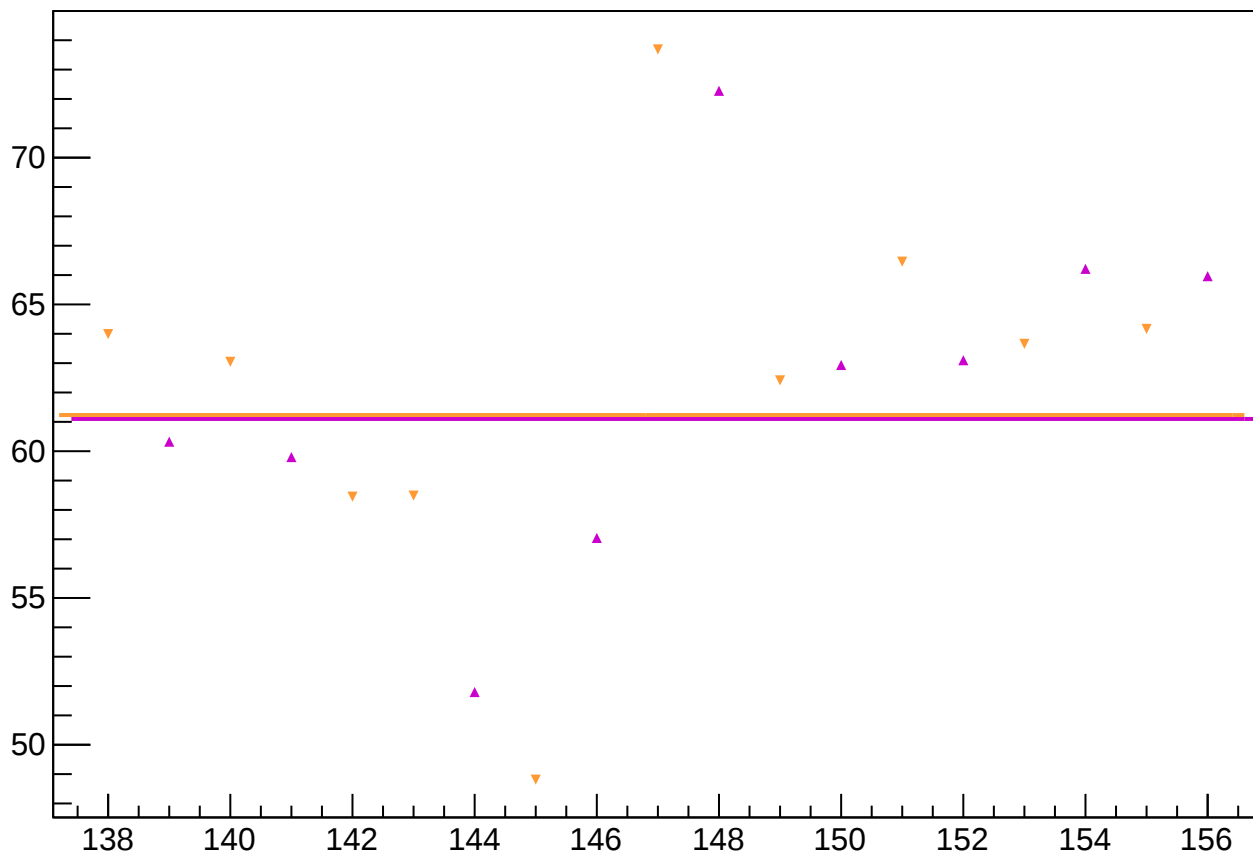
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -31.279+/-22.636 χ^2/NDF : 2.4/8

16.913+/-22.694 χ^2/NDF : 16.7/9

-31.279+/-22.636 χ^2/NDF : 2.4/8

reg_asym_sam_37_48_dd_rms vs Slug



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

Left Out: 61.232+/-0.016 χ^2/NDF : 169081.3/9

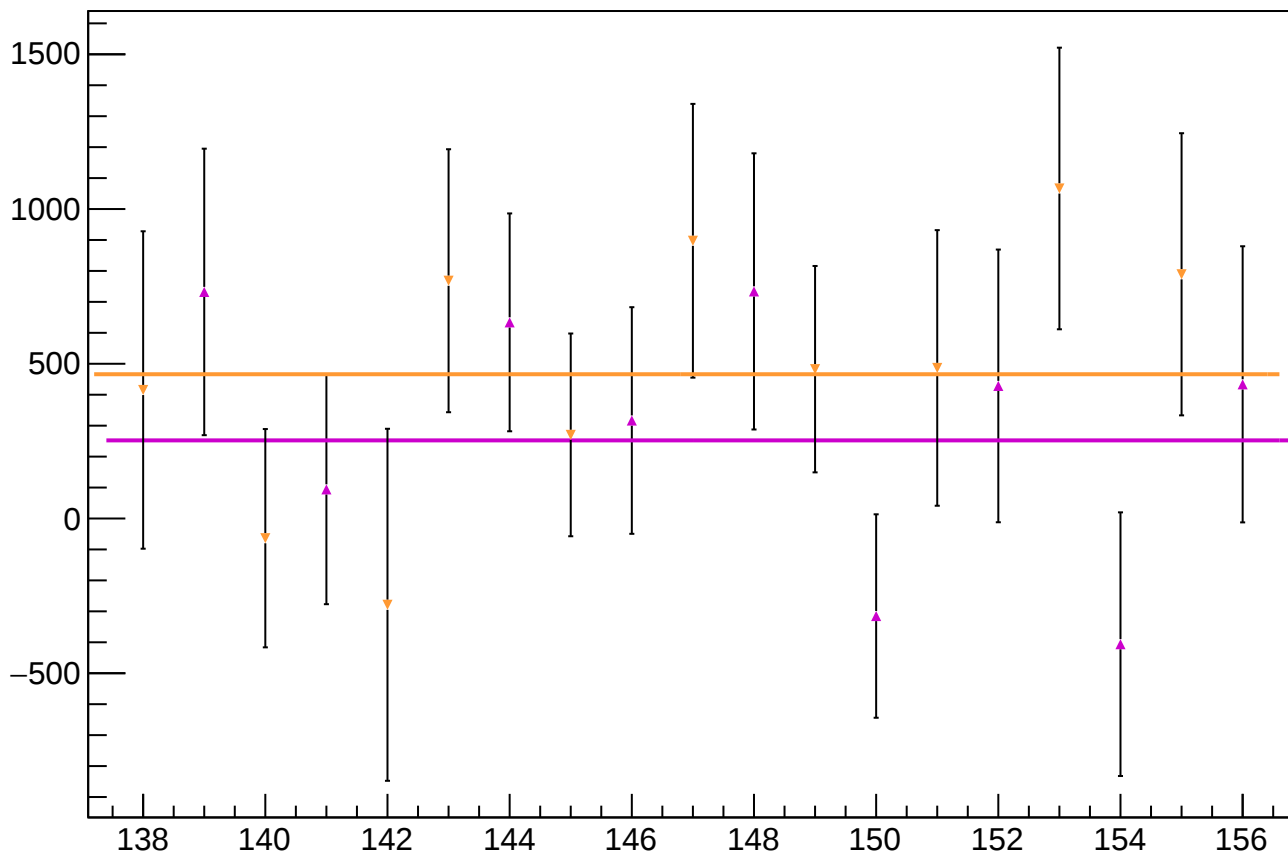
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 61.099+/-0.016 χ^2/NDF : 124313.9/8

61.232+/-0.016 χ^2/NDF : 169081.3/9

61.099+/-0.016 χ^2/NDF : 124313.9/8

asym_sam_37_48_dd_correction_mean vs Slug



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

Left Out: 466.181+/-130.657 χ^2/NDF : 8.0/9

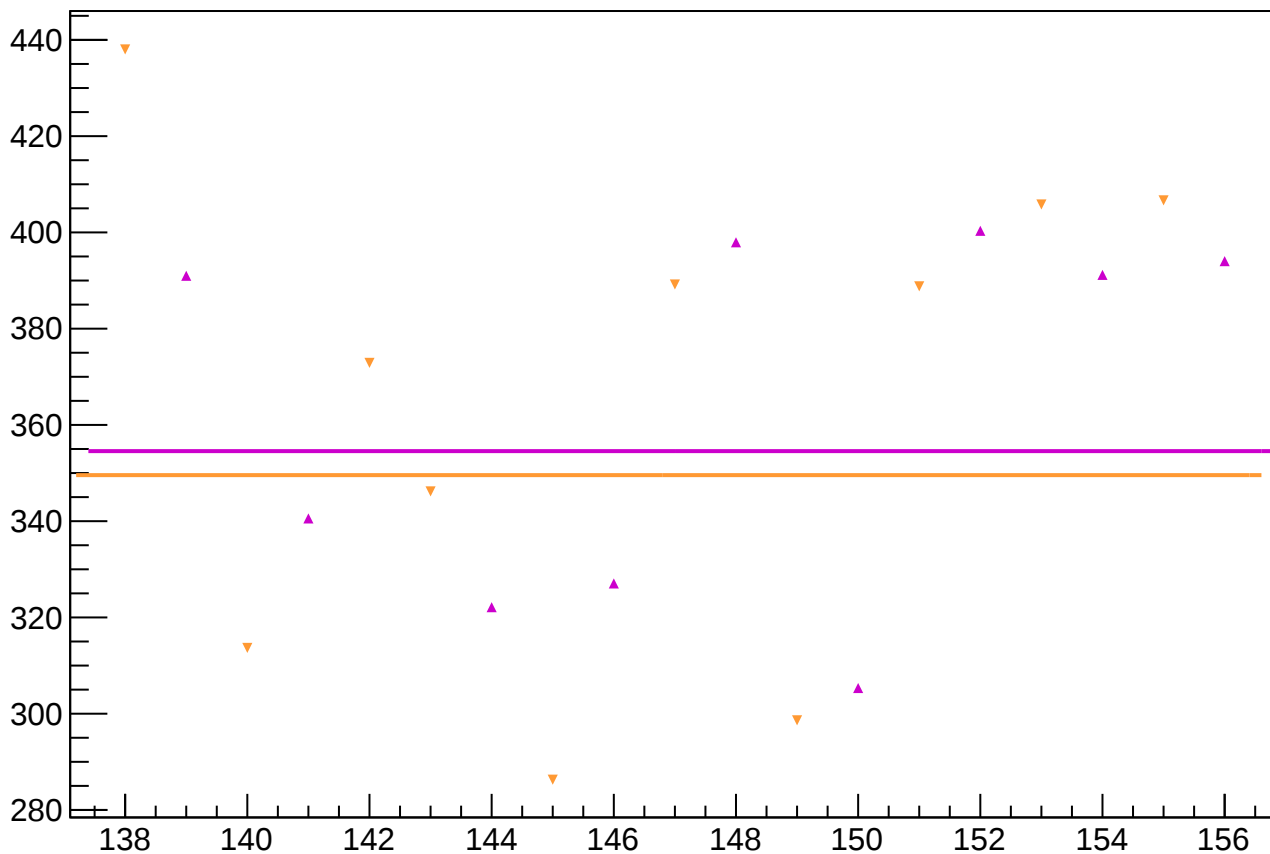
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 252.427+/-131.963 χ^2/NDF : 9.3/8

466.181+/-130.657 χ^2/NDF : 8.0/9

252.427+/-131.963 χ^2/NDF : 9.3/8

asym_sam_37_48_dd_correction_rms vs Slug



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

Left Out: 349.569+/-0.092 χ^2/NDF : 298490.0/9

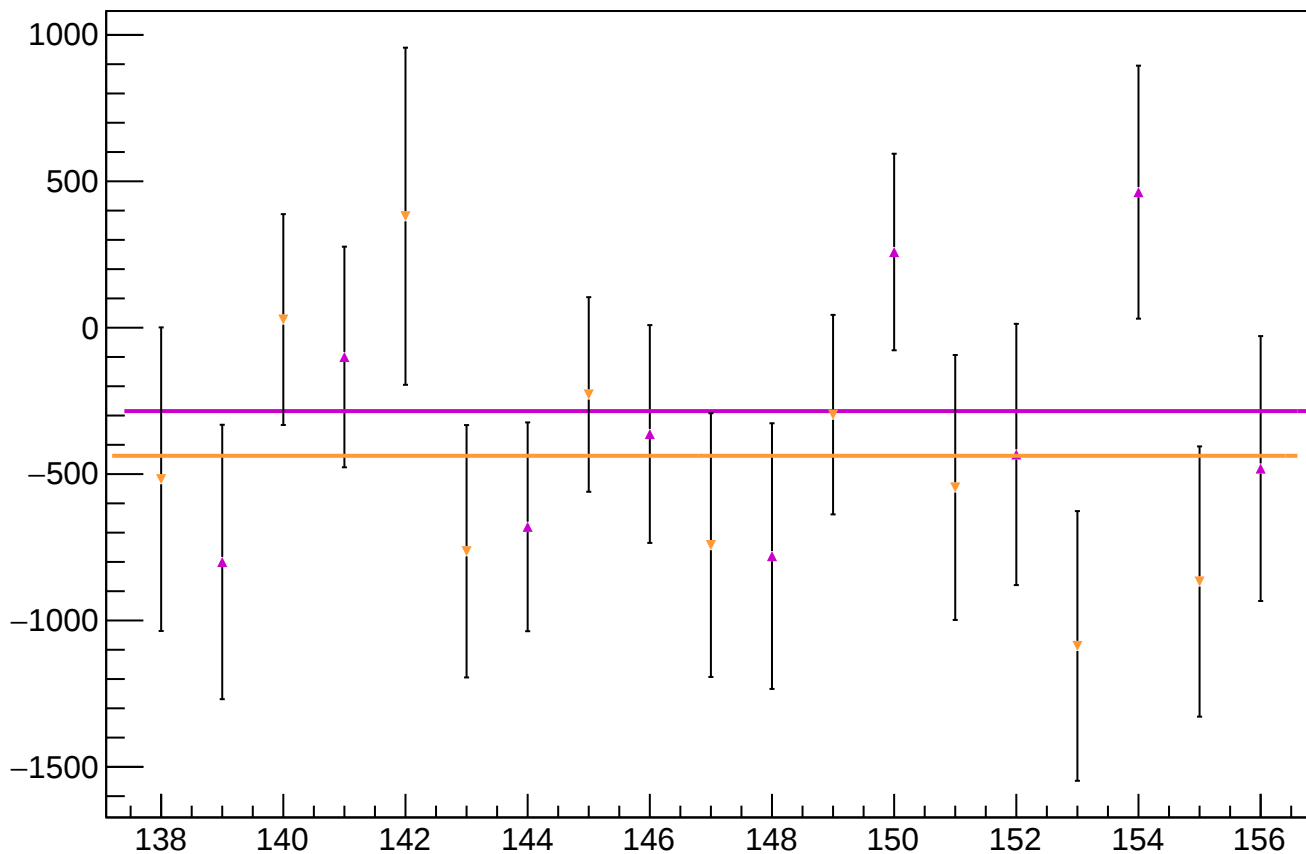
349.569+/-0.092 χ^2/NDF : 298490.0/9

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

354.557+/-0.093 χ^2/NDF : 159264.0/8

Left In: 354.557+/-0.093 χ^2/NDF : 159264.0/8

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -437.470+/-132.769 χ^2/NDF : 8.2/9

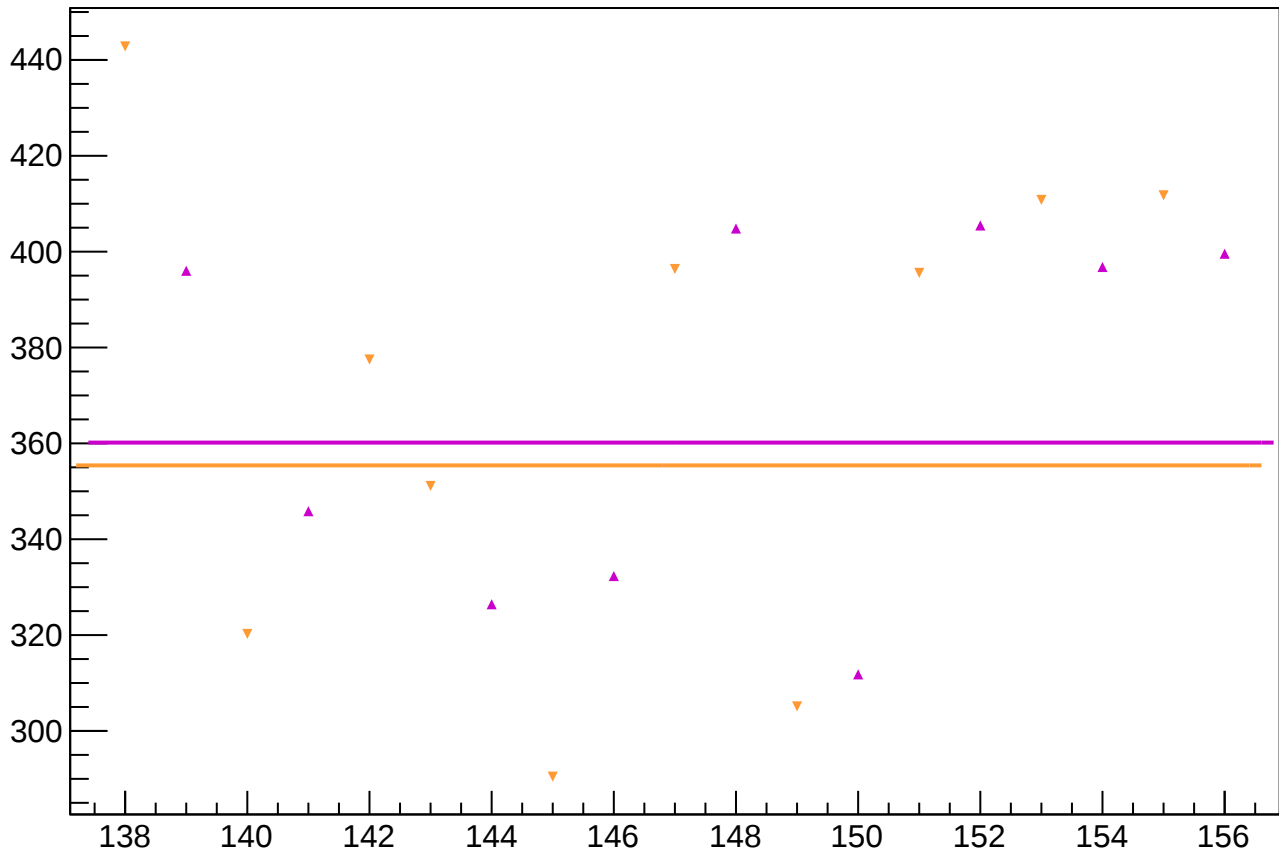
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -284.808+/-134.003 χ^2/NDF : 9.8/8

-437.470+/-132.769 χ^2/NDF : 8.2/9

-284.808+/-134.003 χ^2/NDF : 9.8/8

asym_sam_37_48_dd_rms vs Slug



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

Left Out: 355.409+/-0.094 χ^2/NDF : 290111.8/9

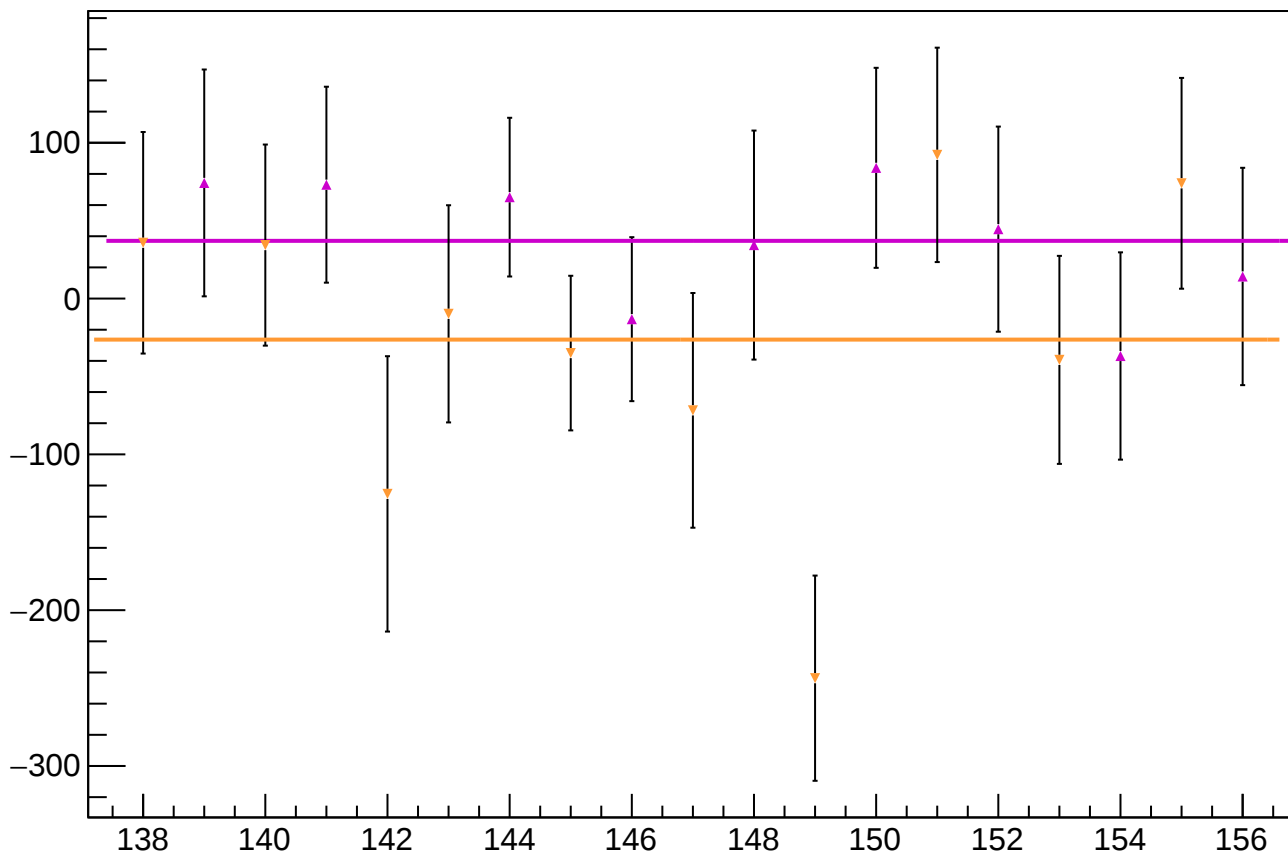
355.409+/-0.094 χ^2/NDF : 290111.8/9

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

Left In: 360.162+/-0.095 χ^2/NDF : 154759.3/8

360.162+/-0.095 χ^2/NDF : 154759.3/8

reg_asym_sam_15_26_dd_mean vs Slug



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

Left Out: -26.340 $\pm$ 21.134 χ^2/NDF : 19.4/9

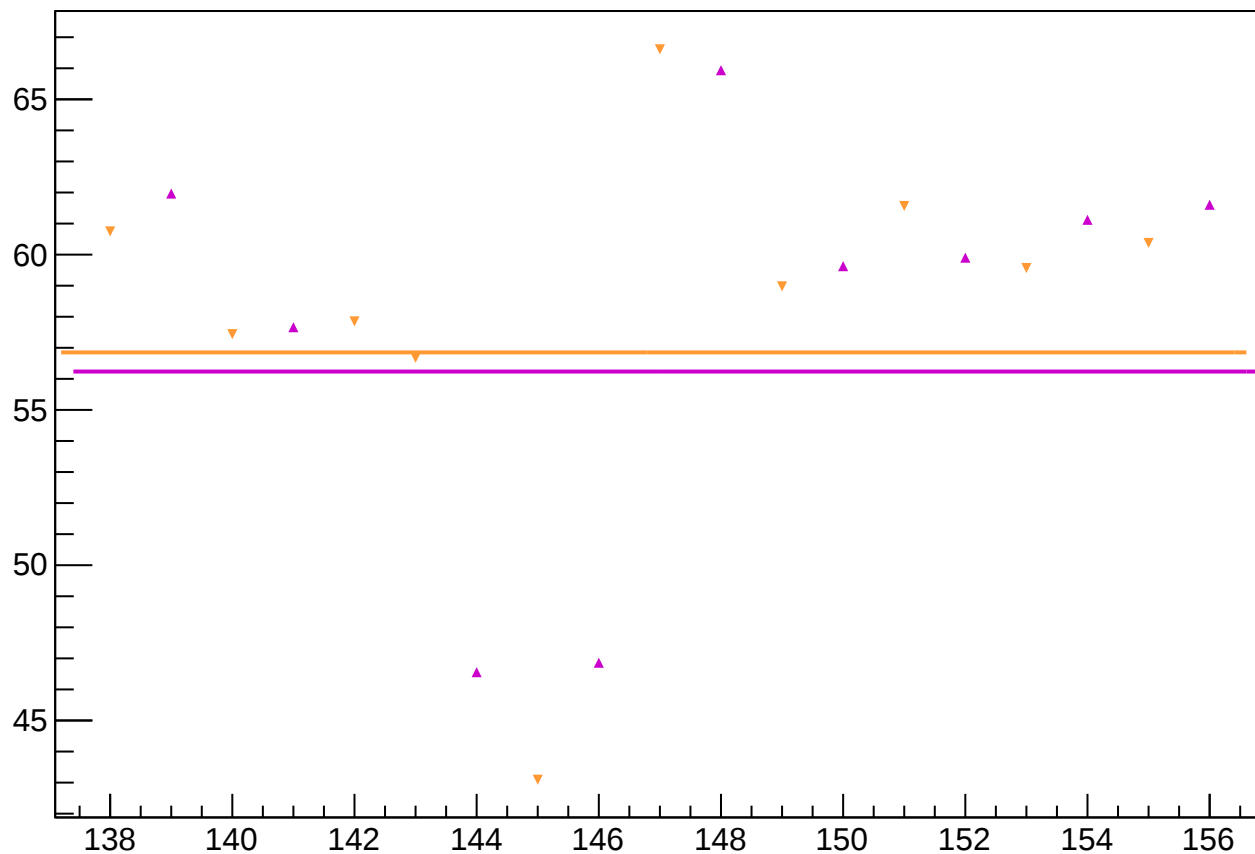
Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 37.040 $\pm$ 20.950 χ^2/NDF : 3.7/8

-26.340 $\pm$ 21.134 χ^2/NDF : 19.4/9

37.040 $\pm$ 20.950 χ^2/NDF : 3.7/8

reg_asym_sam_15_26_dd_rms vs Slug



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

Left Out: 56.852+/-0.015 χ^2/NDF :213997.0/9

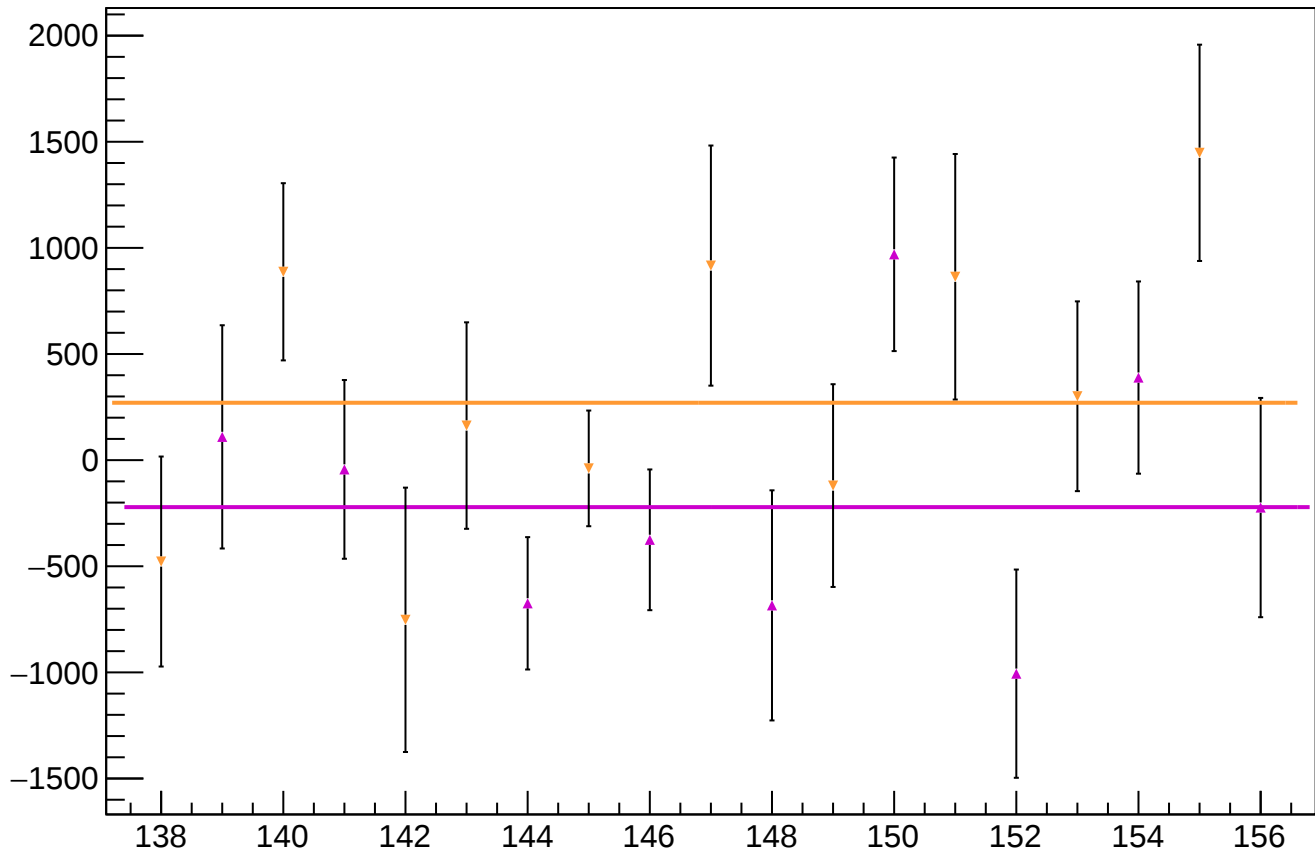
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 56.235+/-0.015 χ^2/NDF :218458.9/8

56.852+/-0.015 χ^2/NDF : 213997.0/9

56.235+/-0.015 χ^2/NDF : 218458.9/8

asym_sam_15_26_dd_correction_mean vs Slug



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

Left Out: 270.378+/-142.211 χ^2/NDF : 16.9/9

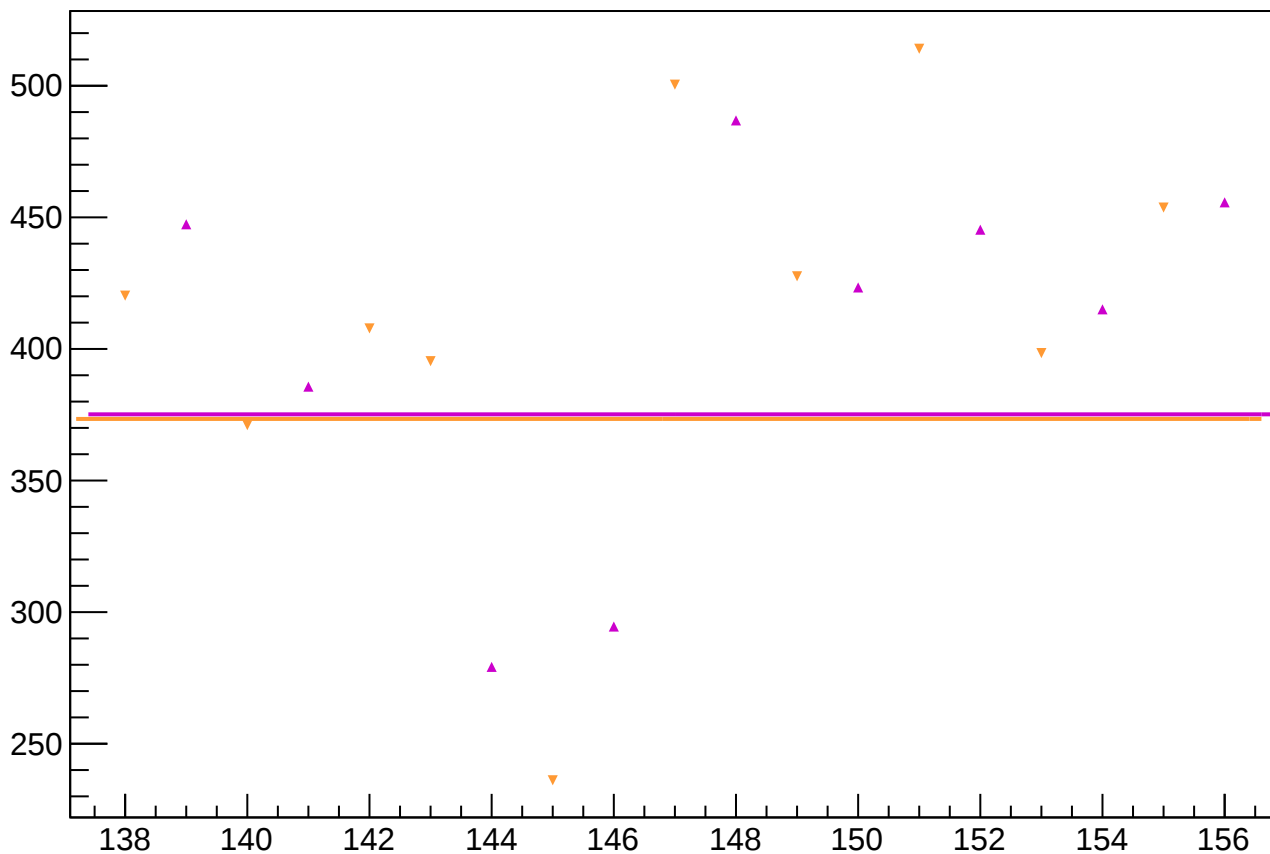
270.378+/-142.211 χ^2/NDF : 16.9/9

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

-221.383+/-141.945 χ^2/NDF : 14.8/8

Left In: -221.383+/-141.945 χ^2/NDF : 14.8/8

asym_sam_15_26_dd_correction_rms vs Slug



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

Left Out: 373.408+/-0.101 χ^2/NDF : 836656.7/9

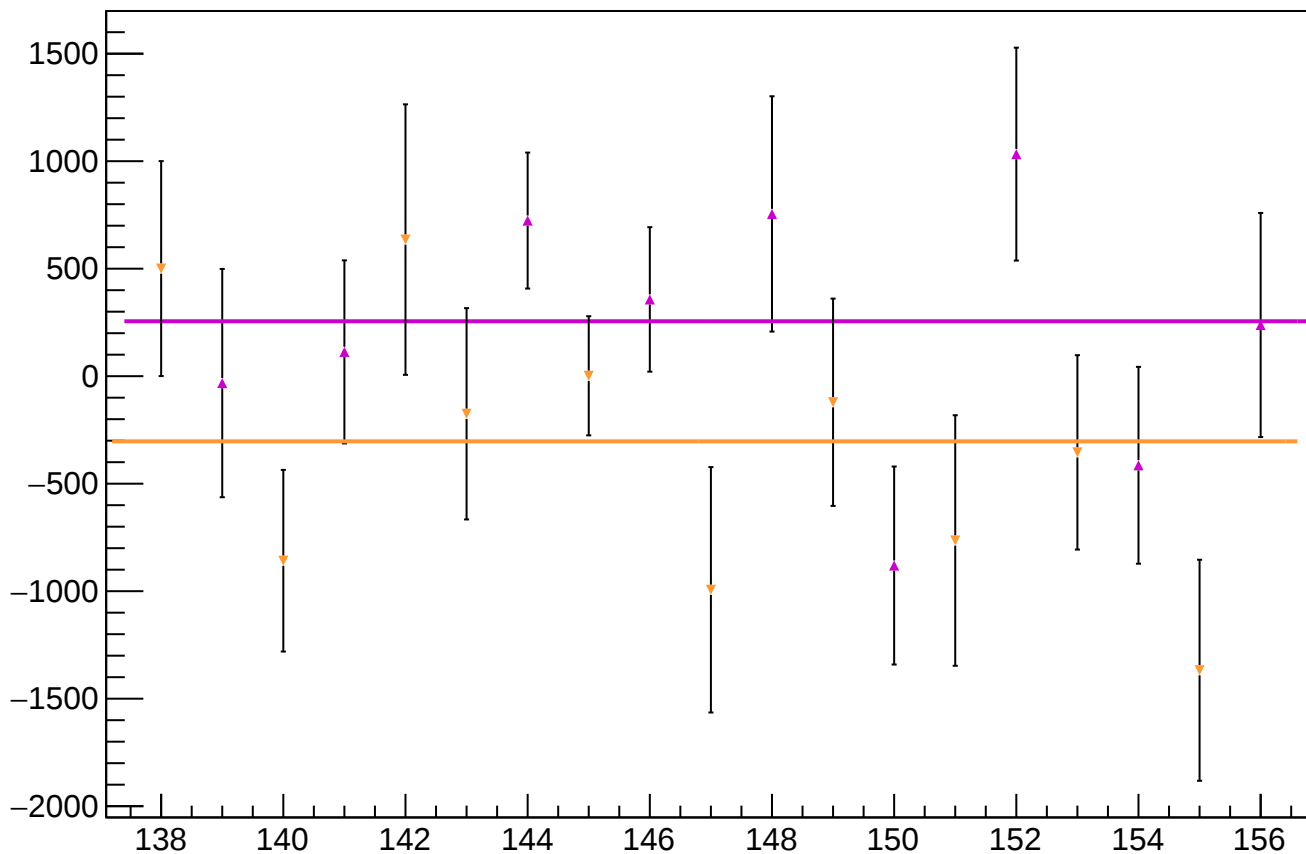
373.408+/-0.101 χ^2/NDF : 836656.7/9

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

Left In: 375.157+/-0.100 χ^2/NDF : 558969.4/8

375.157+/-0.100 χ^2/NDF : 558969.4/8

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -303.024 $\pm$ 143.906 χ^2 /NDF:14.4/9

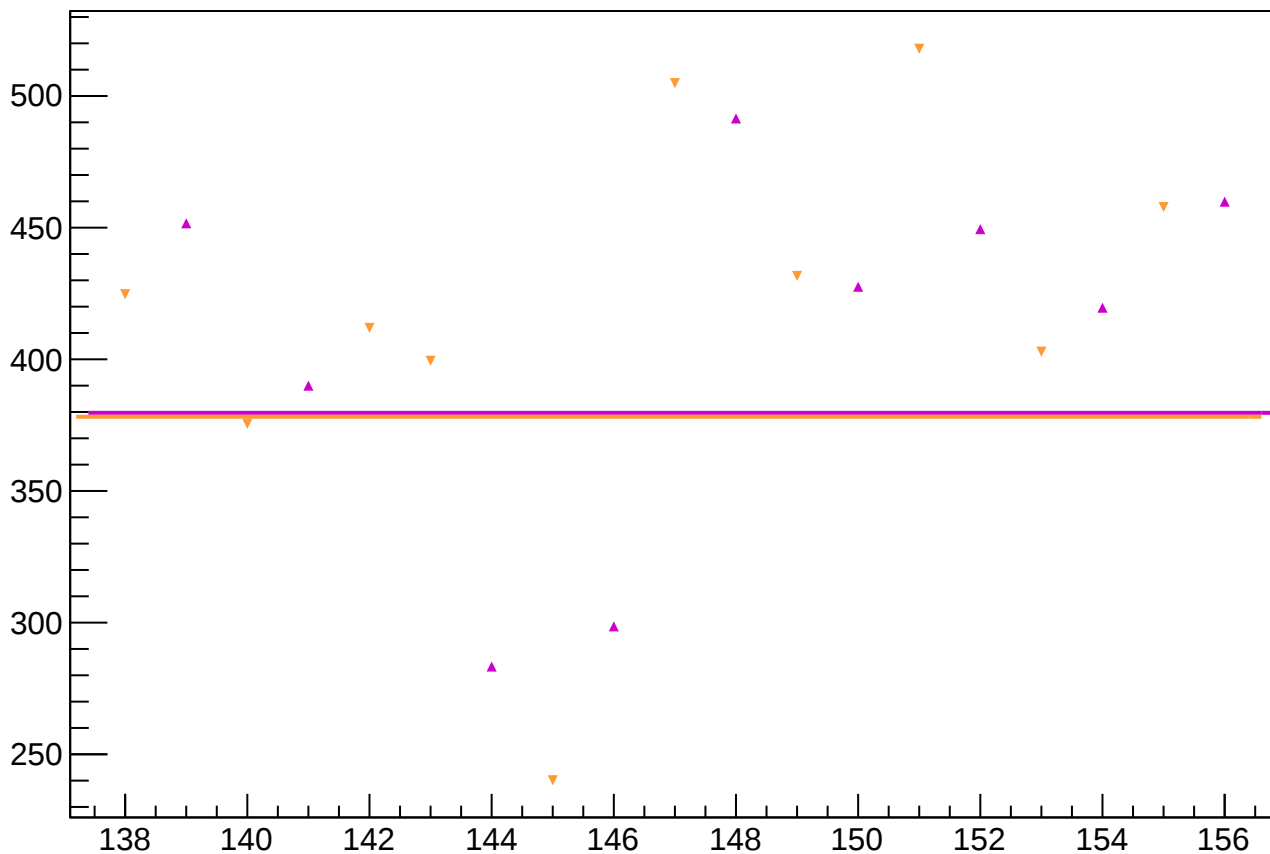
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 255.402 $\pm$ 143.580 χ^2 /NDF:14.2/8

-303.024 $\pm$ 143.906 χ^2 /NDF: 14.4/9

255.402 $\pm$ 143.580 χ^2 /NDF: 14.2/8

asym_sam_15_26_dd_rms vs Slug



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

Left Out: 378.180+/-0.102 χ^2/NDF : 815478.9/9

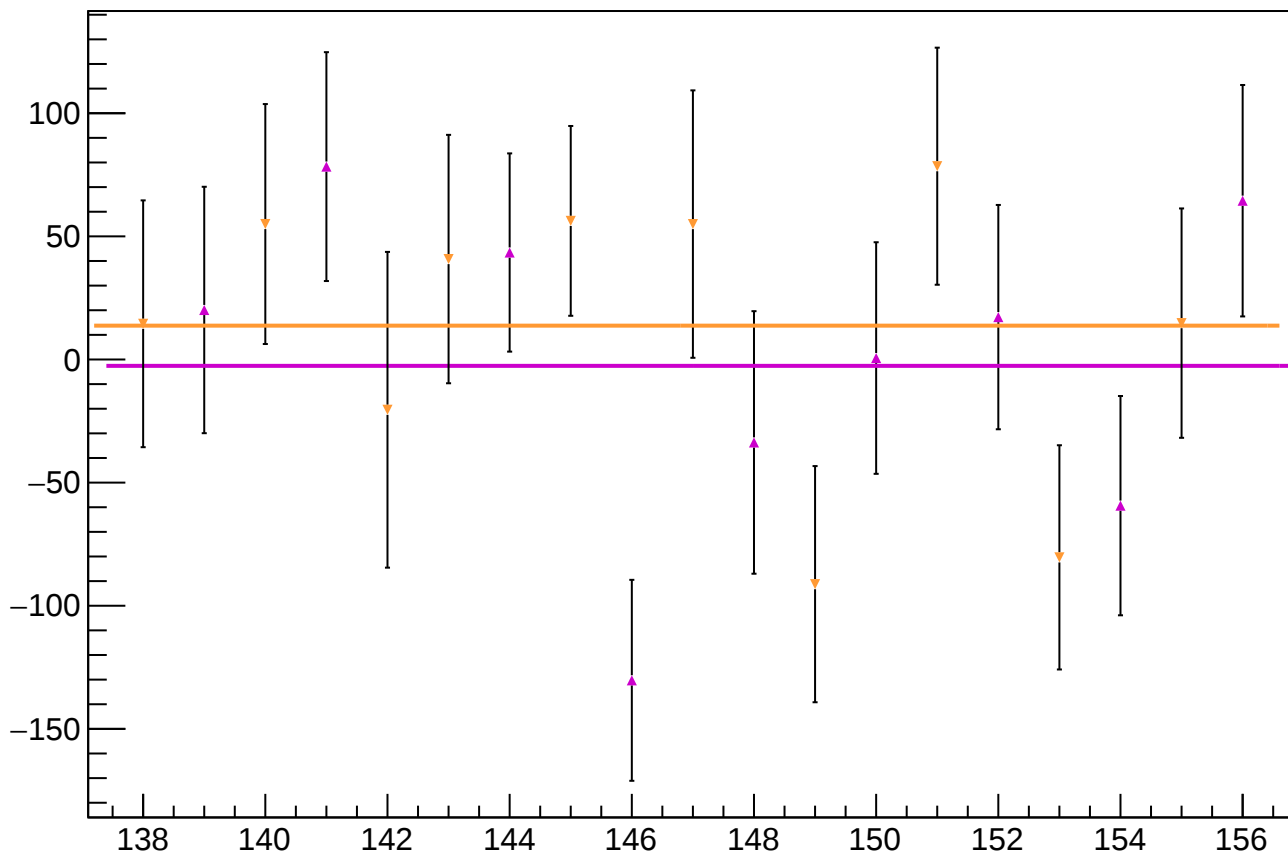
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 379.685+/-0.102 χ^2/NDF : 547499.7/8

378.180+/-0.102 χ^2/NDF : 815478.9/9

379.685+/-0.102 χ^2/NDF : 547499.7/8

reg_asym_sam_37_26_dd_mean vs Slug



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

Left Out: 13.742+/-15.288 χ^2/NDF :14.0/9

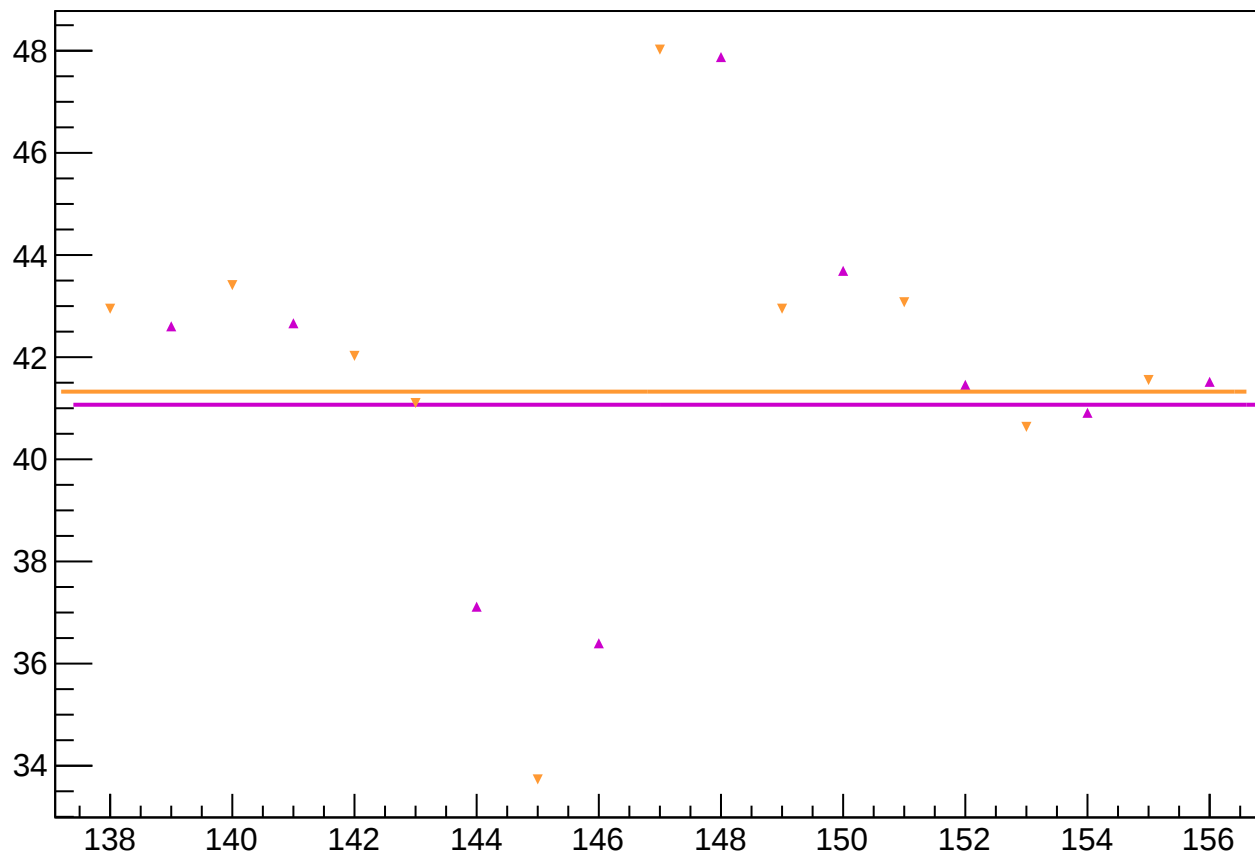
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2.584+/-15.207 χ^2/NDF :18.5/8

13.742+/-15.288 χ^2/NDF : 14.0/9

-2.584+/-15.207 χ^2/NDF : 18.5/8

reg_asym_sam_37_26_dd_rms vs Slug



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

Left Out: 41.325+/-0.011 χ^2/NDF : 119537.5/9

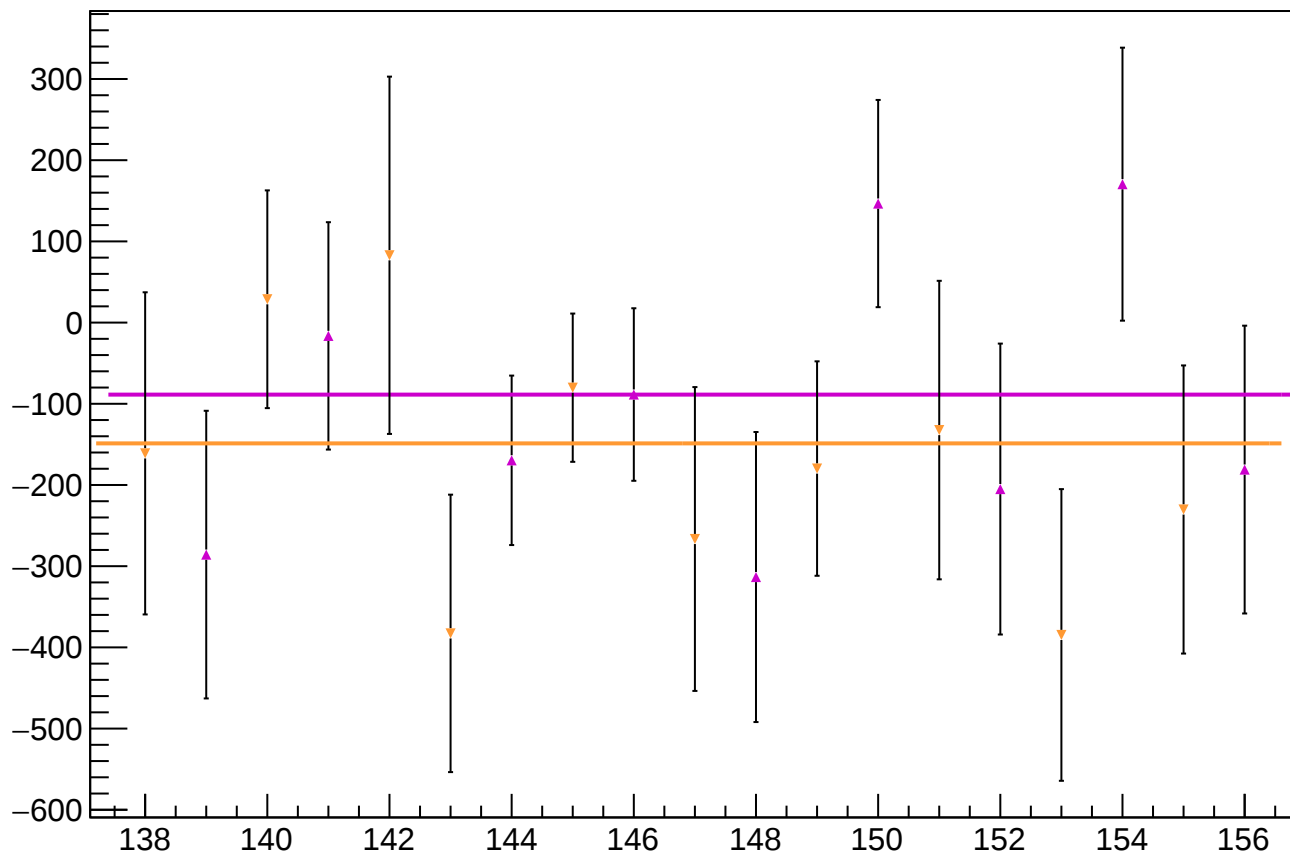
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 41.069+/-0.011 χ^2/NDF : 88946.1/8

41.325+/-0.011 χ^2/NDF : 119537.5/9

41.069+/-0.011 χ^2/NDF : 88946.1/8

asym_sam_37_26_dd_correction_mean vs Slug



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

Left Out: -148.763+/-47.991 χ^2/NDF : 7.7/9

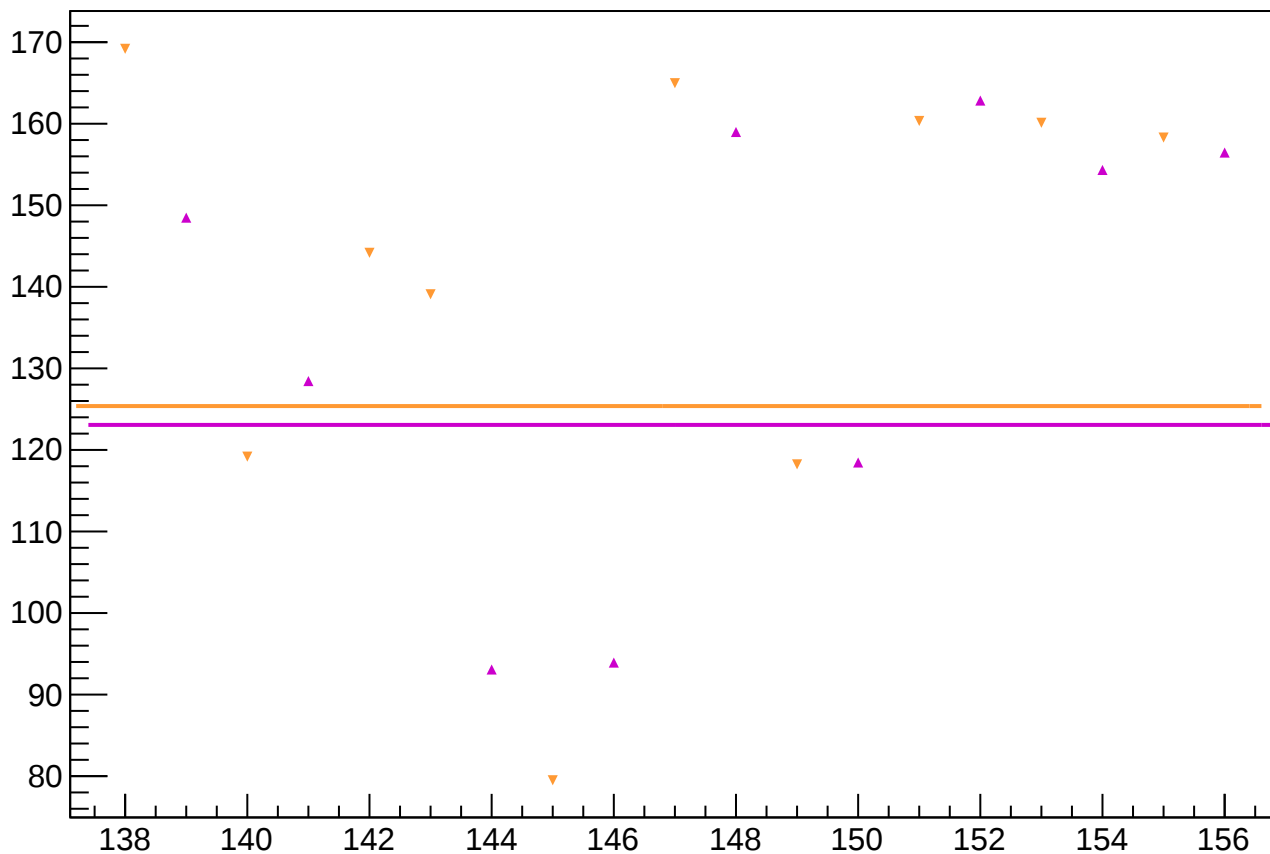
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -88.702+/-46.909 χ^2/NDF : 10.2/8

-148.763+/-47.991 χ^2/NDF : 7.7/9

-88.702+/-46.909 χ^2/NDF : 10.2/8

asym_sam_37_26_dd_correction_rms vs Slug



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

Left Out: 125.378+/-0.034 χ^2/NDF : 945904.4/9

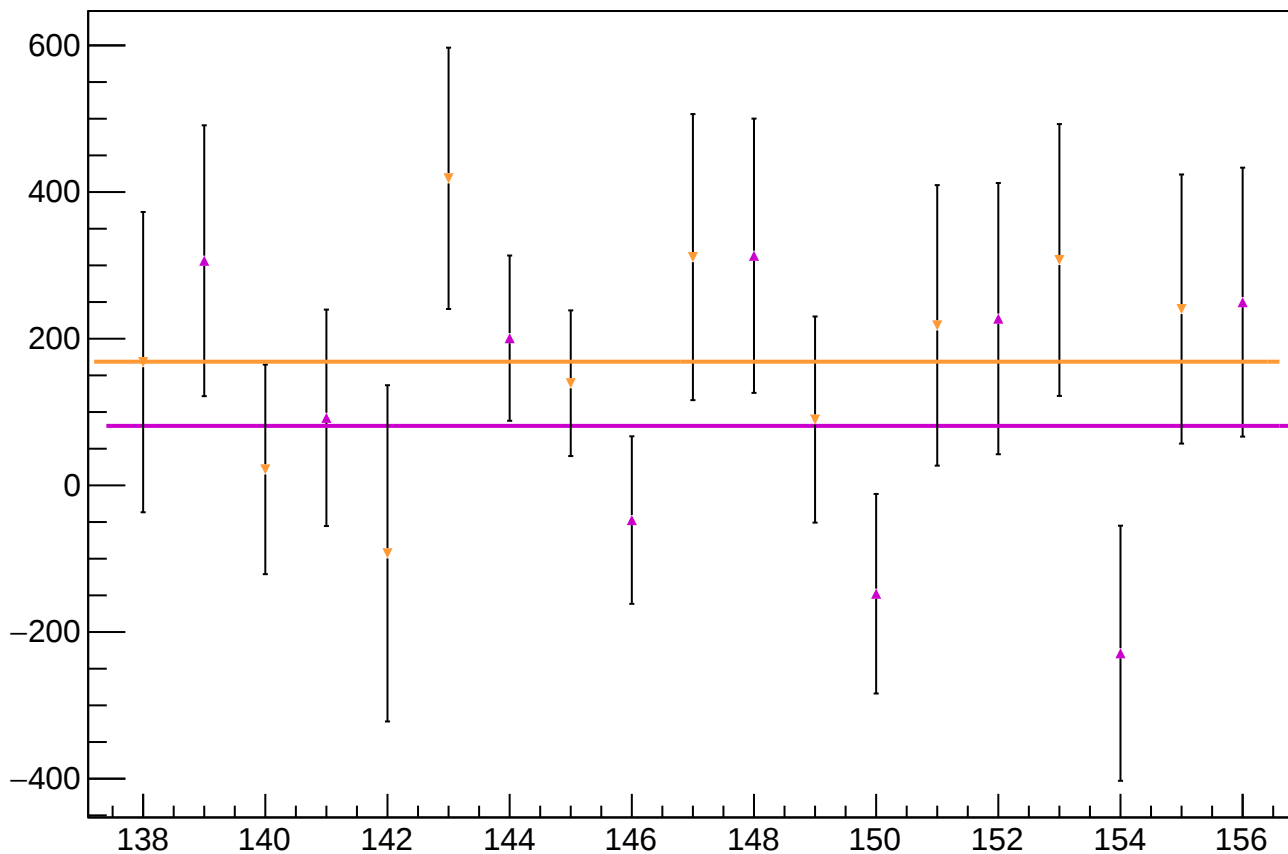
125.378+/-0.034 χ^2/NDF : 945904.4/9

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

123.069+/-0.033 χ^2/NDF : 682116.8/8

Left In: 123.069+/-0.033 χ^2/NDF : 682116.8/8

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 168.661+/-50.784 χ^2/NDF : 6.0/9

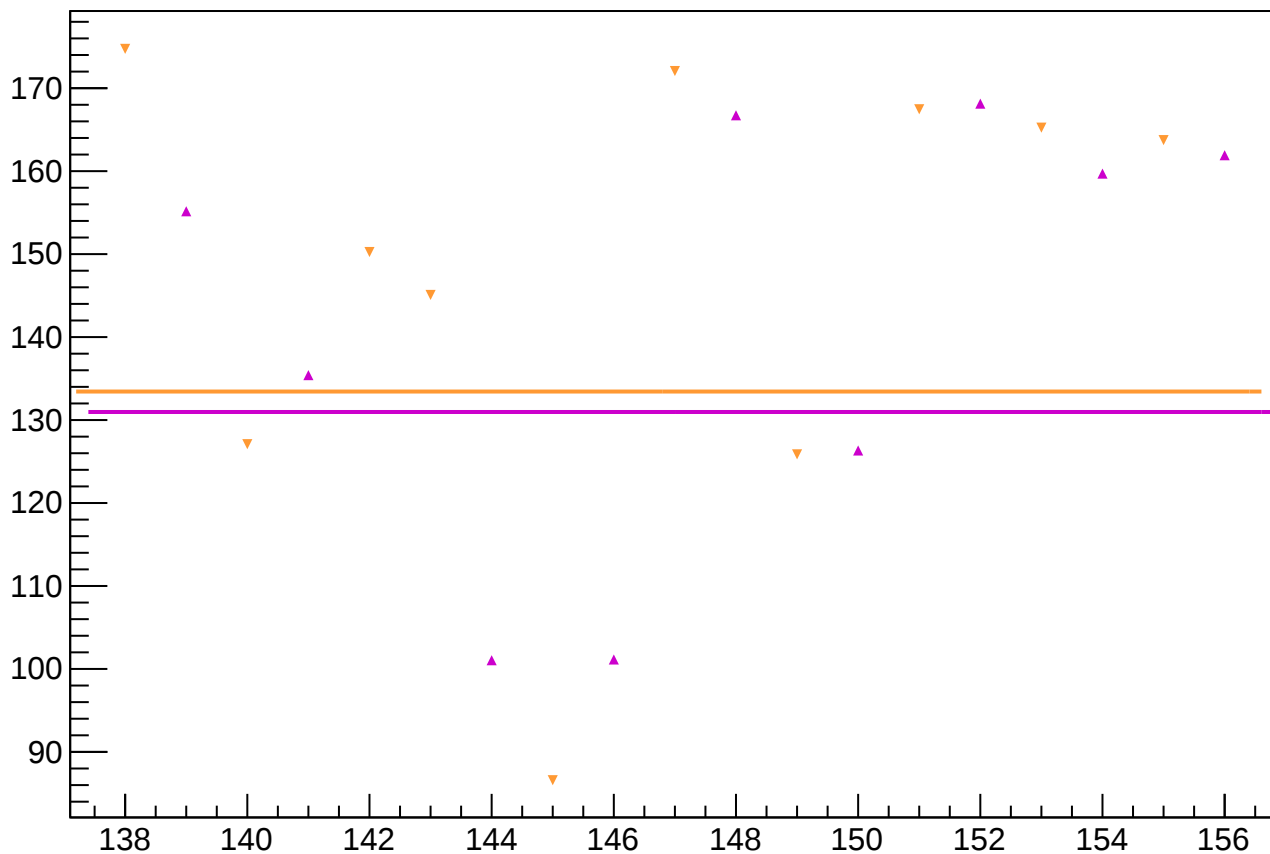
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 81.139+/-49.676 χ^2/NDF : 12.9/8

168.661+/-50.784 χ^2/NDF : 6.0/9

81.139+/-49.676 χ^2/NDF : 12.9/8

asym_sam_37_26_dd_rms vs Slug



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

Left Out: 133.437+/-0.036 χ^2/NDF : 810535.8/9

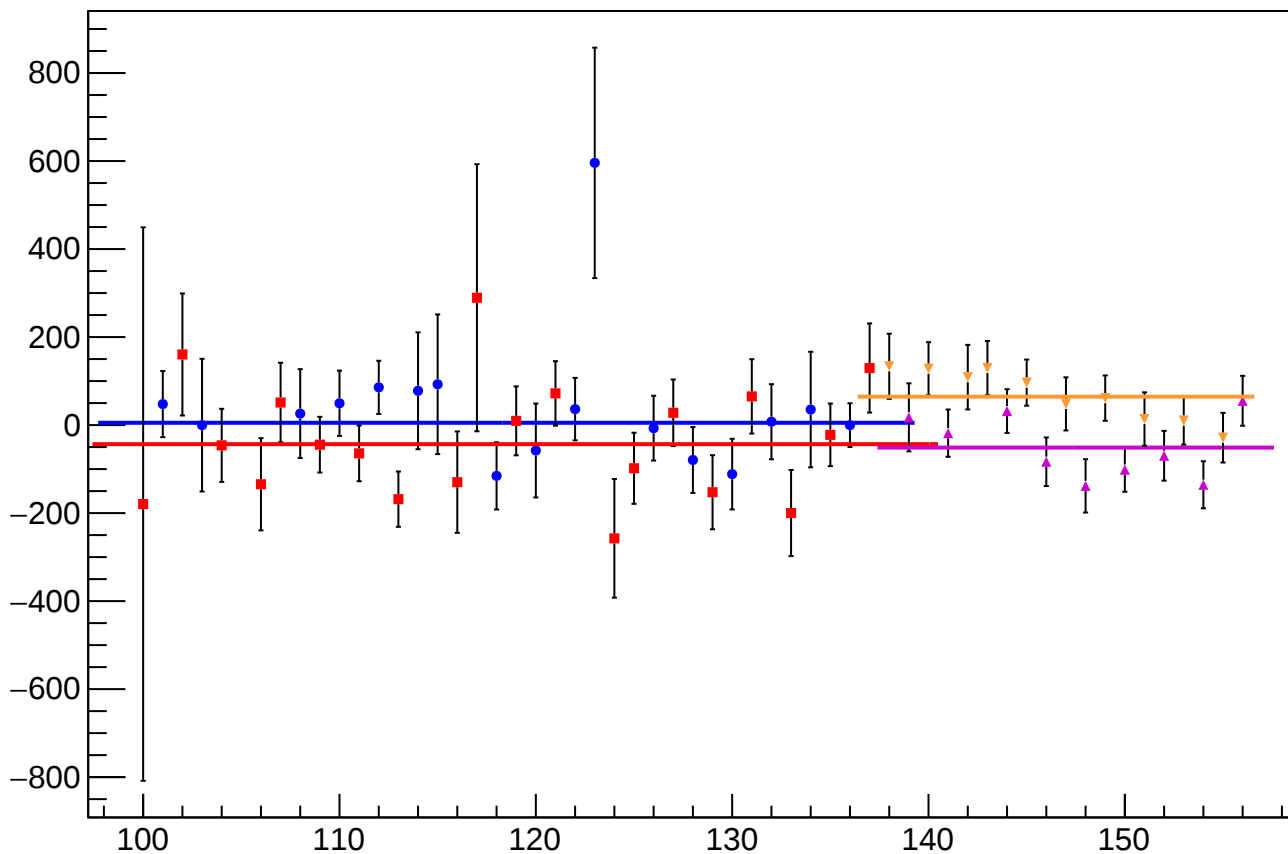
133.437+/-0.036 χ^2/NDF : 810535.8/9

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

130.971+/-0.035 χ^2/NDF : 581300.8/8

Left In: 130.971+/-0.035 χ^2/NDF : 581300.8/8

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 ± 20.150 χ^2/NDF : 14.7/16

Left Out: 64.581 ± 18.741 χ^2/NDF : 8.4/9

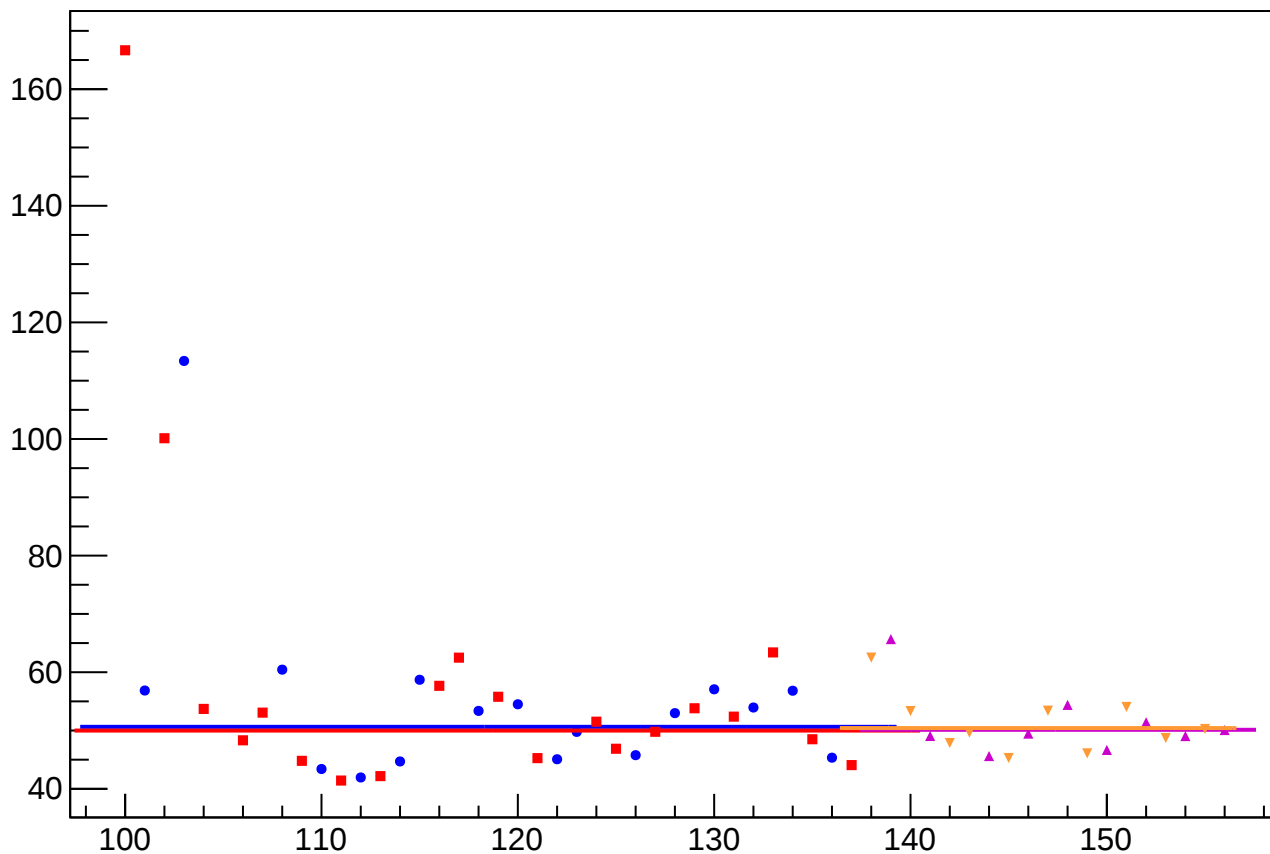
Right Out: -43.354 ± 19.371 χ^2/NDF : 25.6/19

Left In: -51.145 ± 18.600 χ^2/NDF : 13.5/8

37.049 ± 13.723 χ^2/NDF : 27.7/26

-47.407 ± 13.416 χ^2/NDF : 39.2/28

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 50.423 $\pm$ 0.013 χ^2 /NDF:108233.9/9

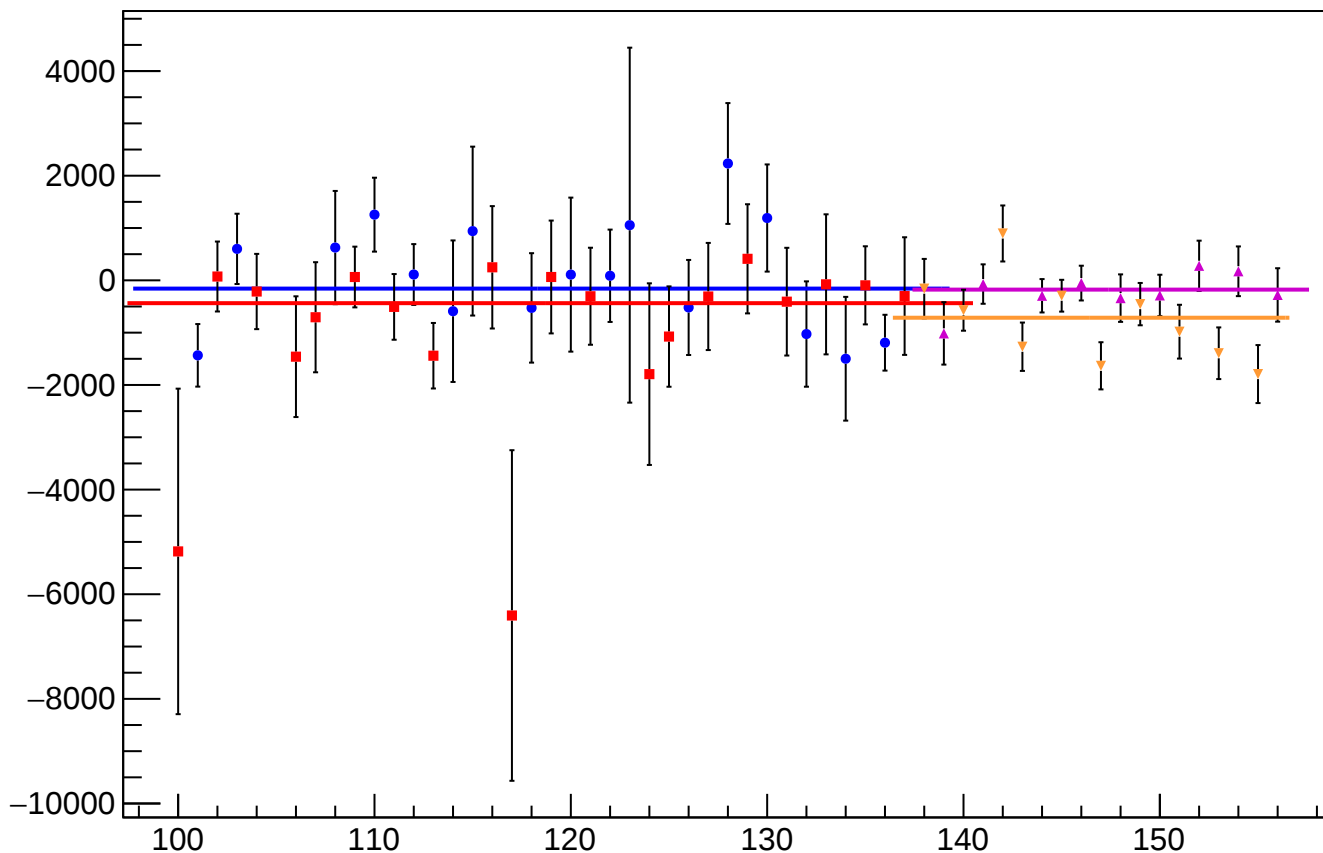
Right Out: 49.994 $\pm$ 0.014 χ^2 /NDF: 503898.1/19

Left In: 50.125 $\pm$ 0.013 χ^2 /NDF:119679.7/8

50.521 $\pm$ 0.010 χ^2 /NDF: 628039.9/26

50.062 $\pm$ 0.009 χ^2 /NDF: 623625.7/28

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 ± 210.181 χ^2/NDF : 23.5/16

Left Out: -714.734 ± 140.332 χ^2/NDF : 24.0/9

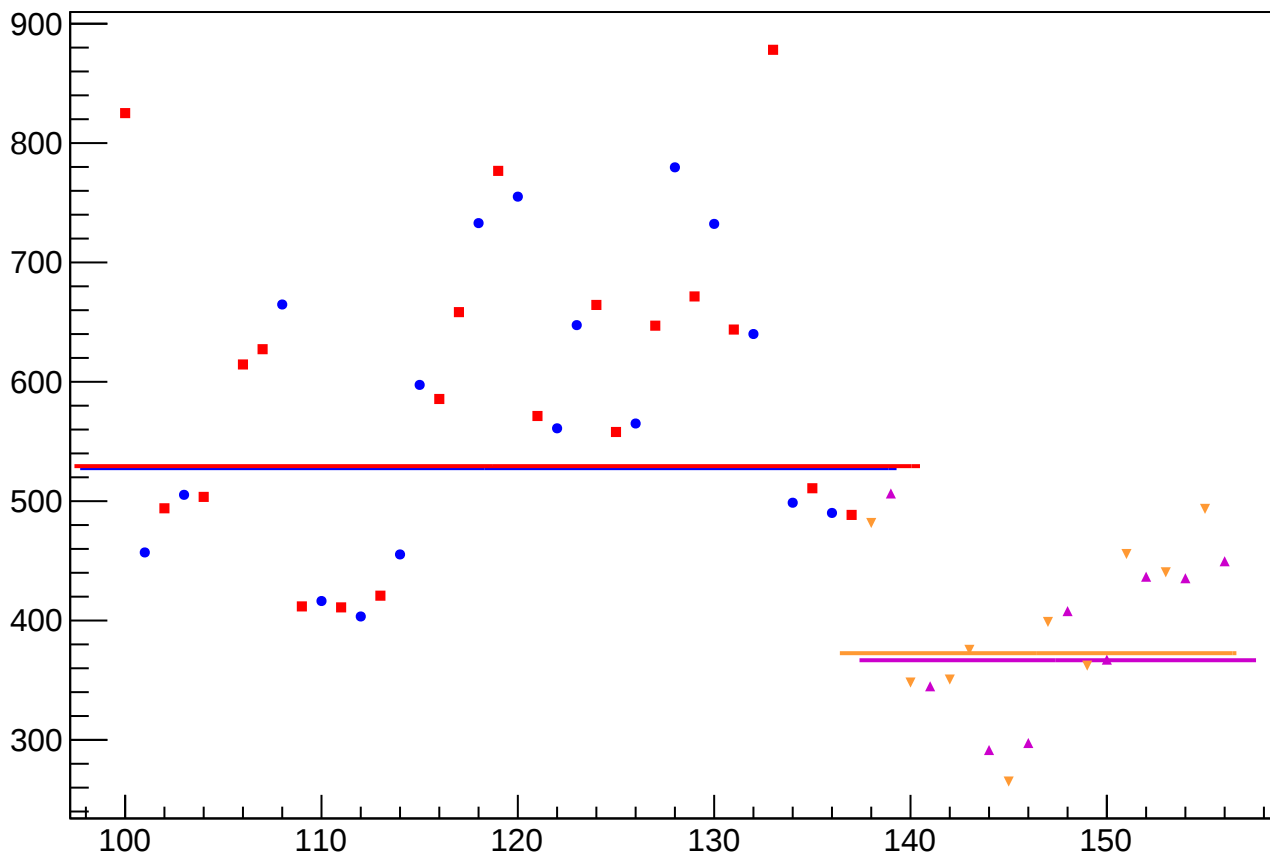
Right Out: -436.410 ± 203.212 χ^2/NDF : 13.4/19

Left In: -177.381 ± 137.894 χ^2/NDF : 4.0/8

-543.073 ± 116.709 χ^2/NDF : 52.3/26

-259.049 ± 114.104 χ^2/NDF : 18.5/28

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 372.637 $\pm$ 0.099 χ^2 /NDF: 528519.8/9

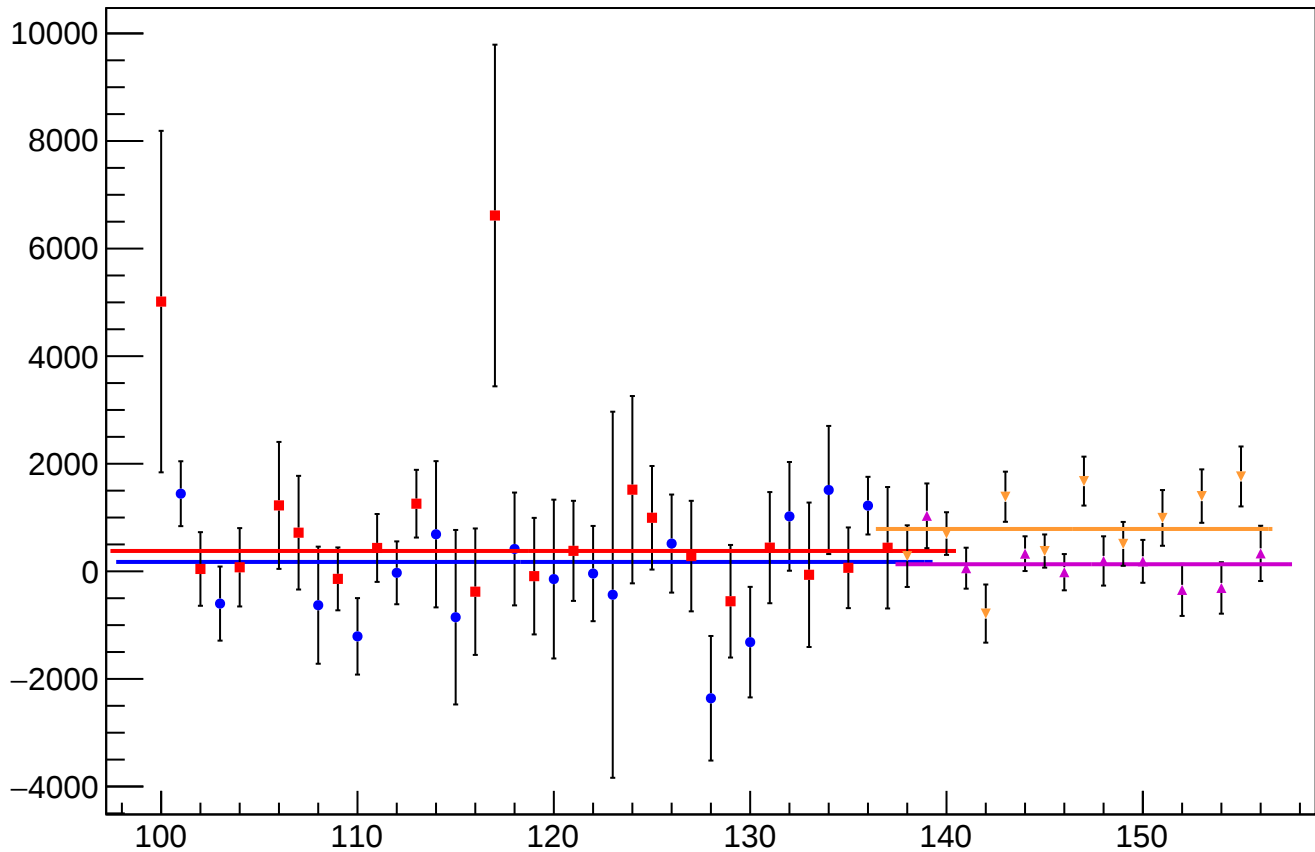
Right Out: 529.342 $\pm$ 0.144 χ^2 /NDF: 626714.3/19

Left In: 366.737 $\pm$ 0.098 χ^2 /NDF: 468294.8/8

420.437 $\pm$ 0.083 χ^2 /NDF: 1838515.2/26

418.004 $\pm$ 0.081 χ^2 /NDF: 1971828.2/28

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 787.599 $\pm$ 141.739 χ^2 /NDF: 21.7/9

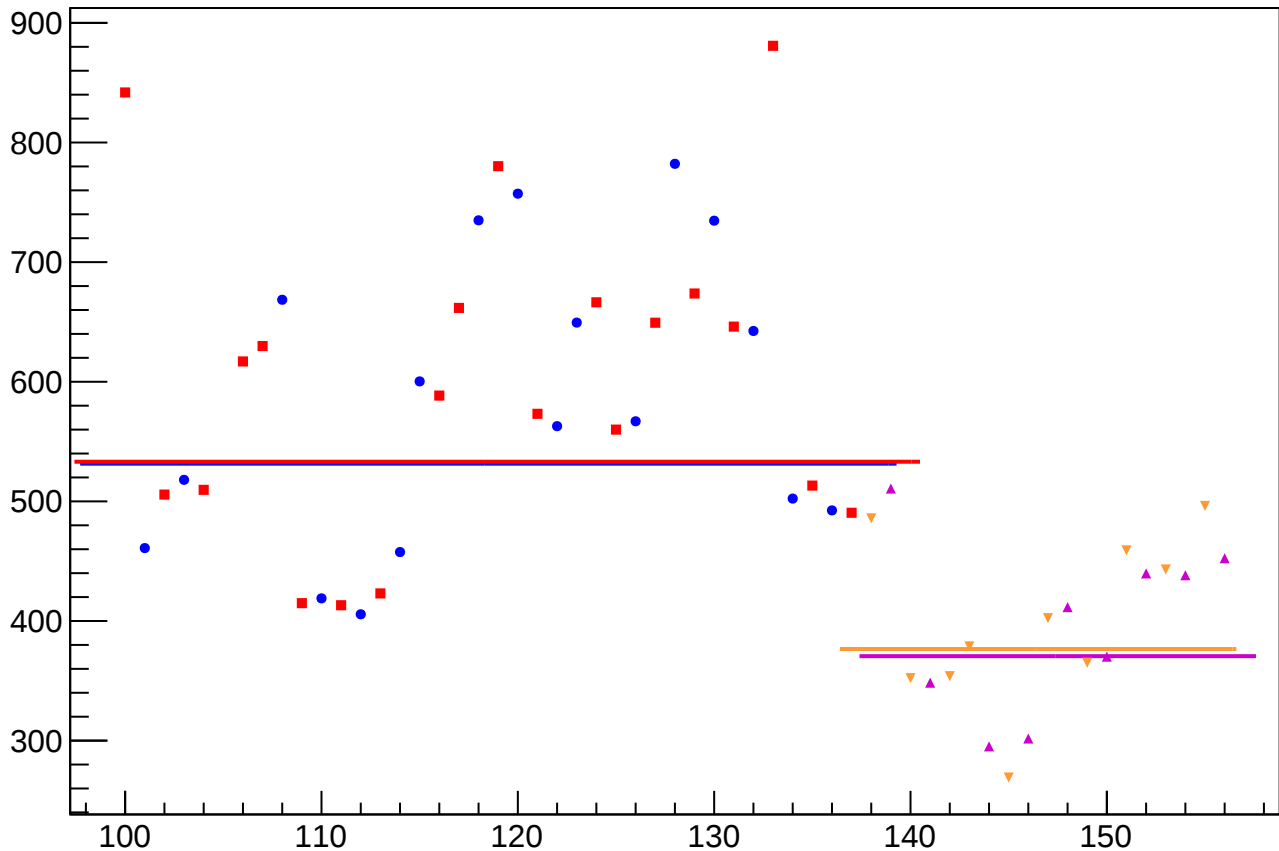
Right Out: 378.609 $\pm$ 204.777 χ^2 /NDF: 12.3/19

Left In: 131.785 $\pm$ 139.277 χ^2 /NDF: 4.9/8

597.818 $\pm$ 117.772 χ^2 /NDF: 51.2/26

209.851 $\pm$ 115.164 χ^2 /NDF: 18.1/28

asym_sam_1357_avg_rms vs Slug



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 376.577 $\pm$ 0.100 χ^2 /NDF: 512895.8/9

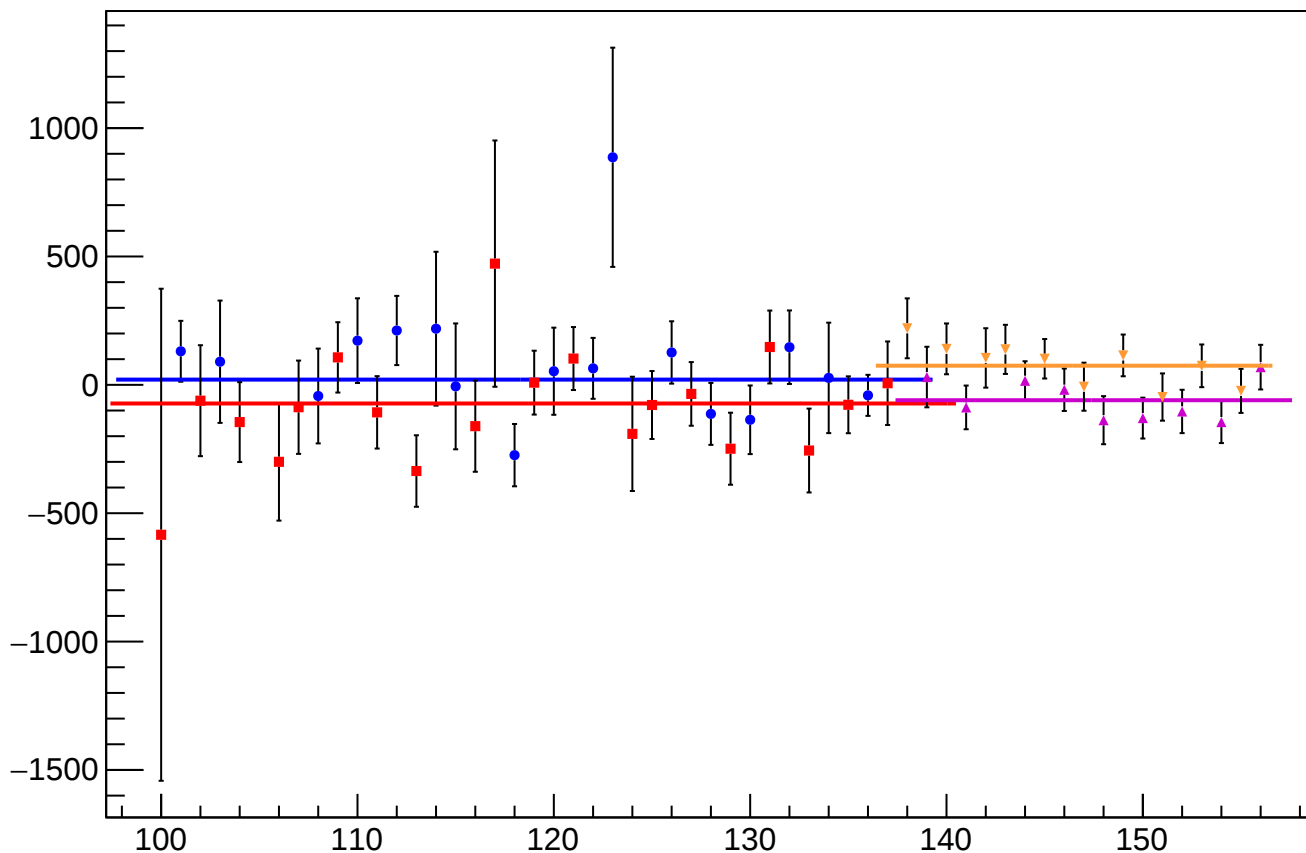
Right Out: 533.157 $\pm$ 0.145 χ^2 /NDF: 619038.4/19

Left In: 370.605 $\pm$ 0.098 χ^2 /NDF: 455583.4/8

424.558 $\pm$ 0.083 χ^2 /NDF: 1803234.9/26

422.017 $\pm$ 0.081 χ^2 /NDF: 1936277.7/28

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

52.293 $\pm$ 22.200 χ^2 /NDF: 27.4/26

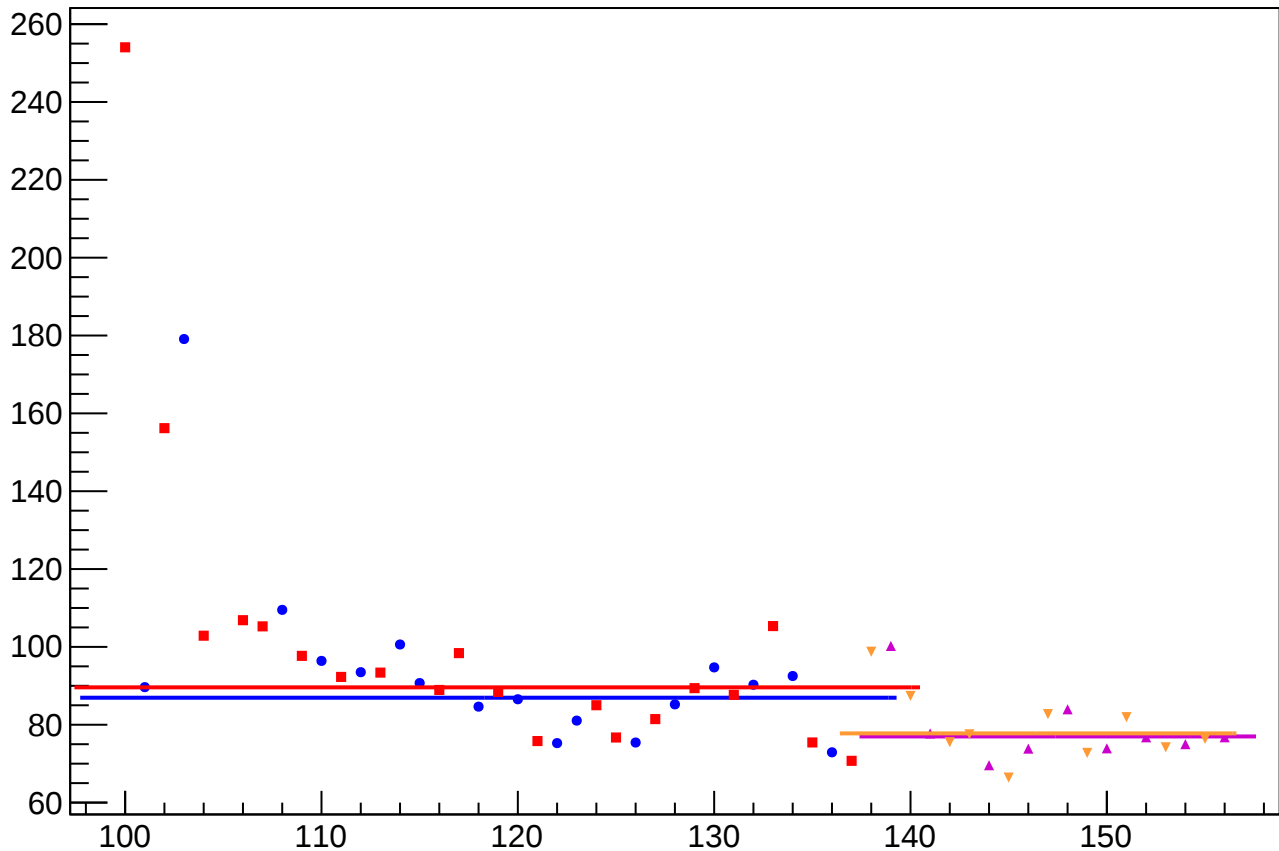
Left Out: 74.620 $\pm$ 28.954 χ^2 /NDF: 6.7/9

Right Out: -72.603 $\pm$ 34.608 χ^2 /NDF: 16.7/19

-65.035 $\pm$ 22.042 χ^2 /NDF: 23.7/28

Left In: -59.870 $\pm$ 28.591 χ^2 /NDF: 6.9/8

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 77.777+/-0.020 χ^2/NDF :149534.6/9

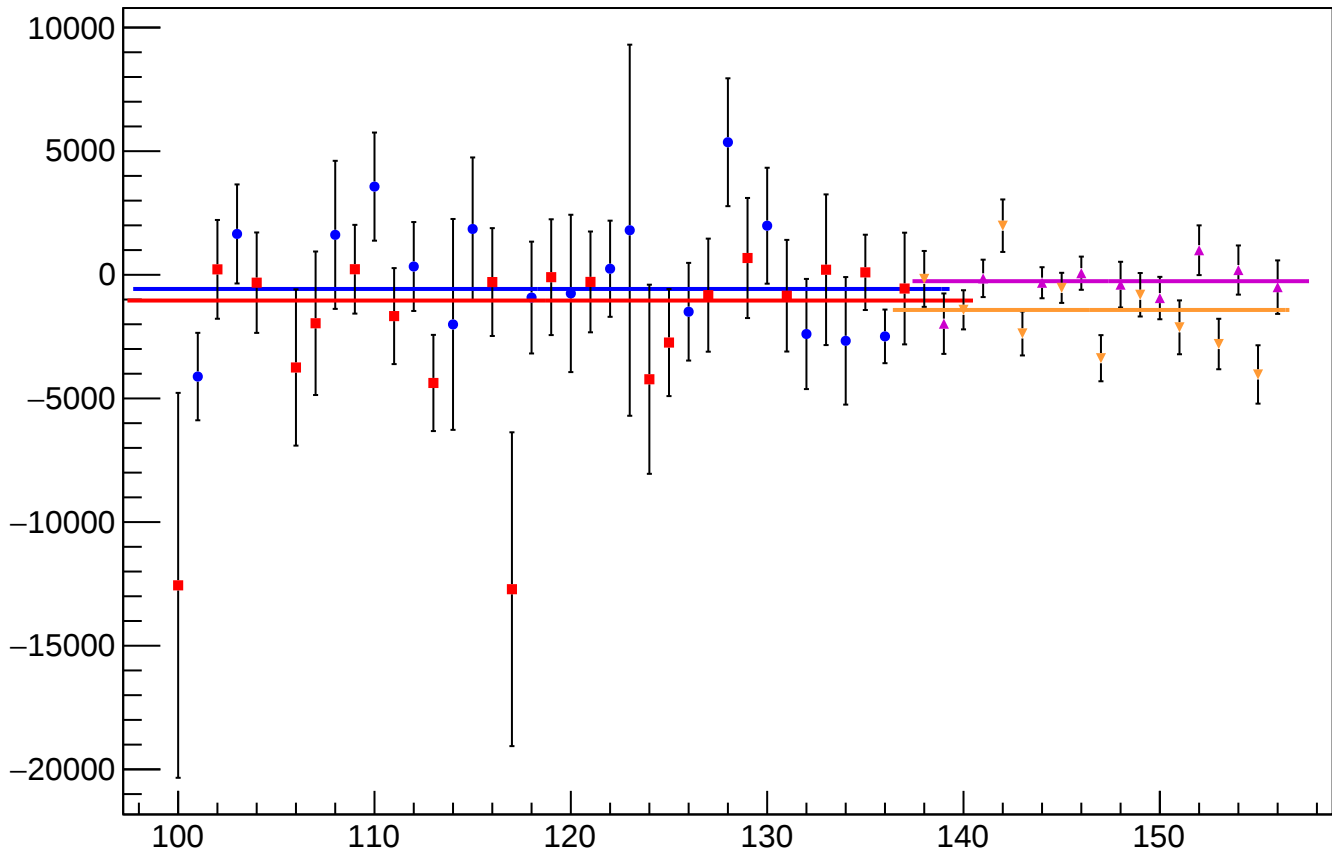
Right Out: 89.607+/-0.024 χ^2/NDF : 431905.8/19

Left In: 76.993+/-0.020 χ^2/NDF :114899.3/8

81.554+/-0.016 χ^2/NDF : 687928.0/26

82.110+/-0.016 χ^2/NDF : 704729.5/28

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 ± 517.020 χ^2/NDF : 21.9/16

Left Out: -1421.259 ± 286.415 χ^2/NDF : 26.8/9

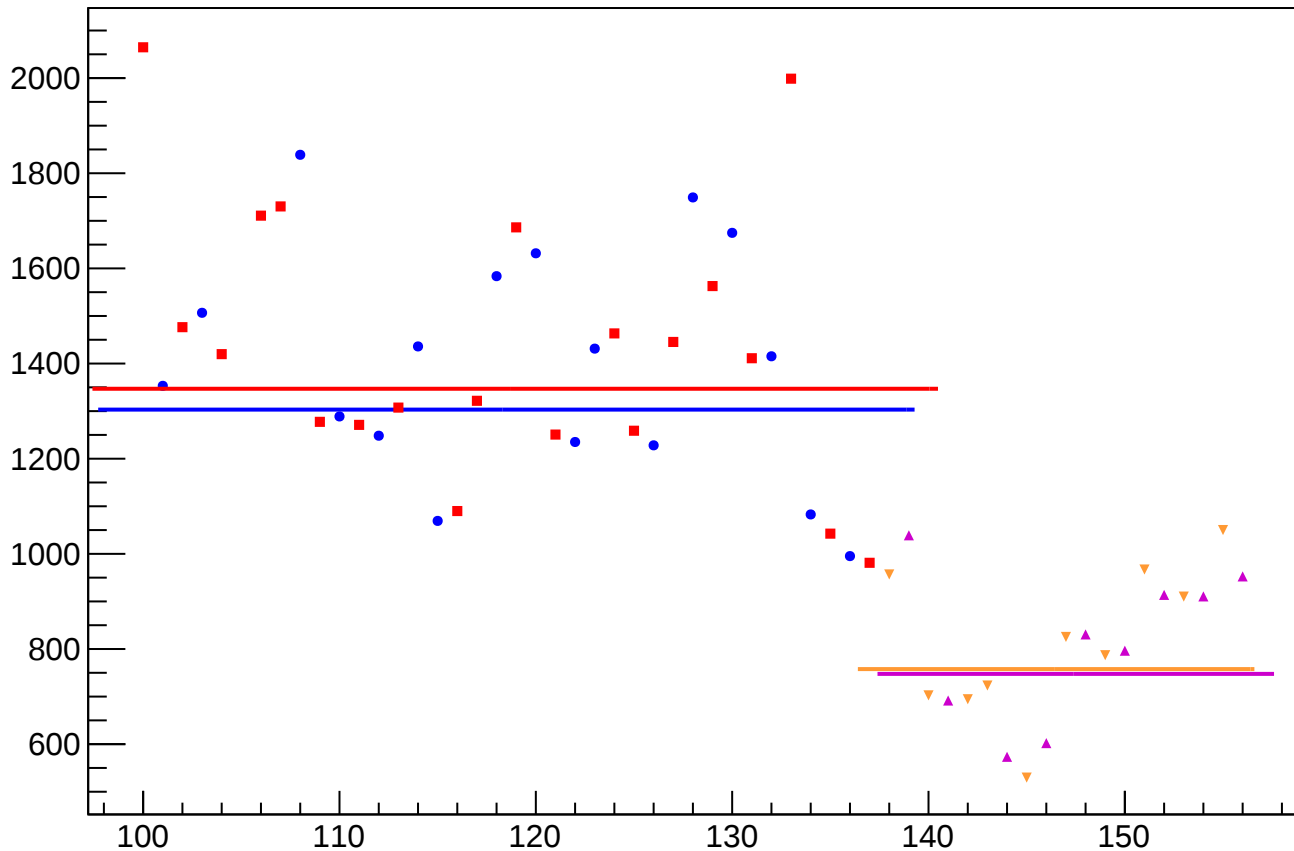
Right Out: -1040.618 ± 512.937 χ^2/NDF : 13.5/19

Left In: -257.705 ± 282.204 χ^2/NDF : 4.7/8

-1221.914 ± 250.540 χ^2/NDF : 50.8/26

-439.620 ± 247.253 χ^2/NDF : 20.0/28

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 757.793+/-0.203 χ^2/NDF : 616543.4/9

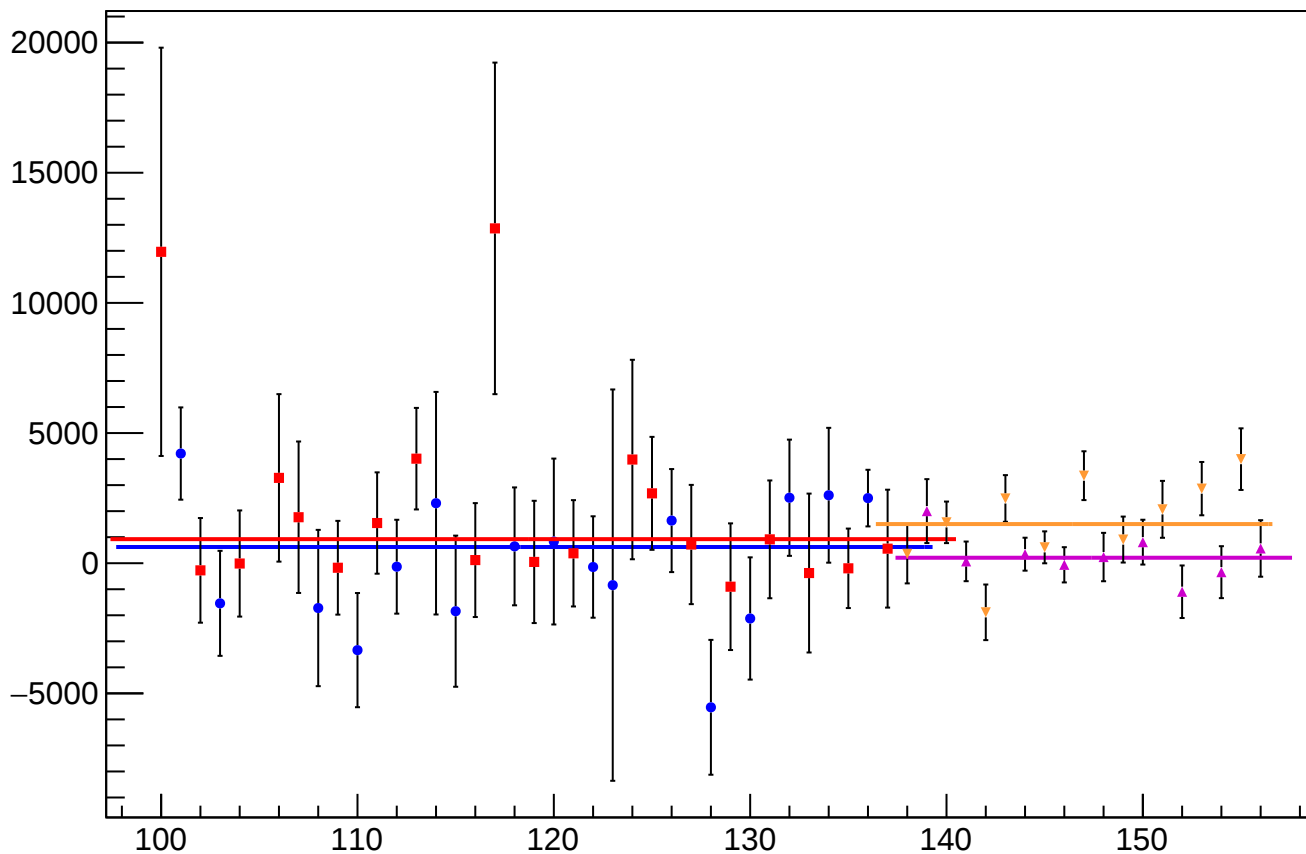
885.867+/-0.177 χ^2/NDF : 2771524.0/26

Right Out: 1347.011+/-0.363 χ^2/NDF : 420806.0/19

886.957+/-0.175 χ^2/NDF : 3091665.9/28

Left In: 747.704+/-0.200 χ^2/NDF : 575012.6/8

asym_sam_2468_avg_mean vs Slug



Right In: 622.411+/-518.496 χ^2/NDF : 22.0/16

Left Out: 1503.959+/-288.104 χ^2/NDF : 25.3/9

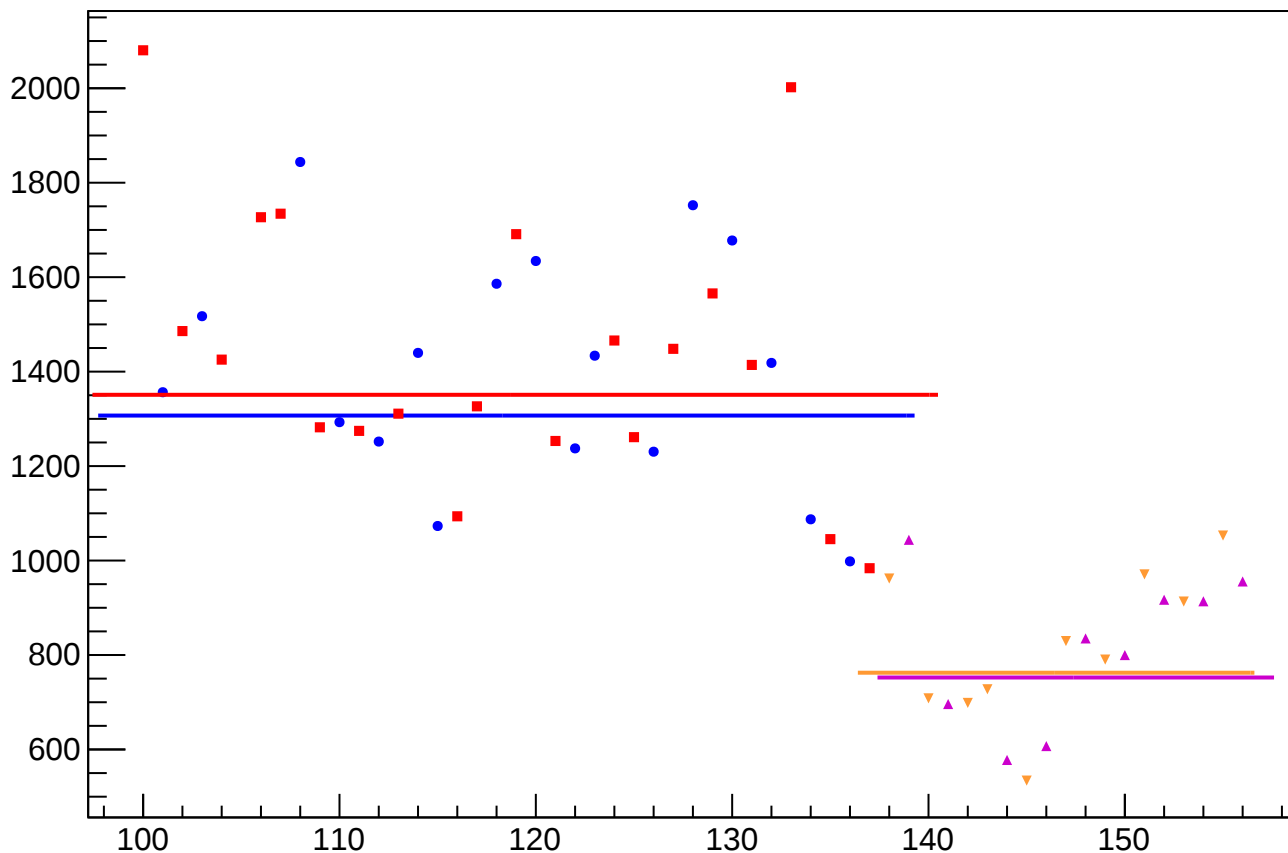
Right Out: 924.488+/-514.636 χ^2/NDF : 12.6/19

Left In: 210.211+/-283.858 χ^2/NDF : 4.9/8

1295.992+/-251.837 χ^2/NDF : 49.4/26

376.826+/-248.556 χ^2/NDF : 19.0/28

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 ± 0.367 $\chi^2/\text{NDF}: 451191.7/16$

Left Out: 762.528 ± 0.204 $\chi^2/\text{NDF}: 606792.2/9$

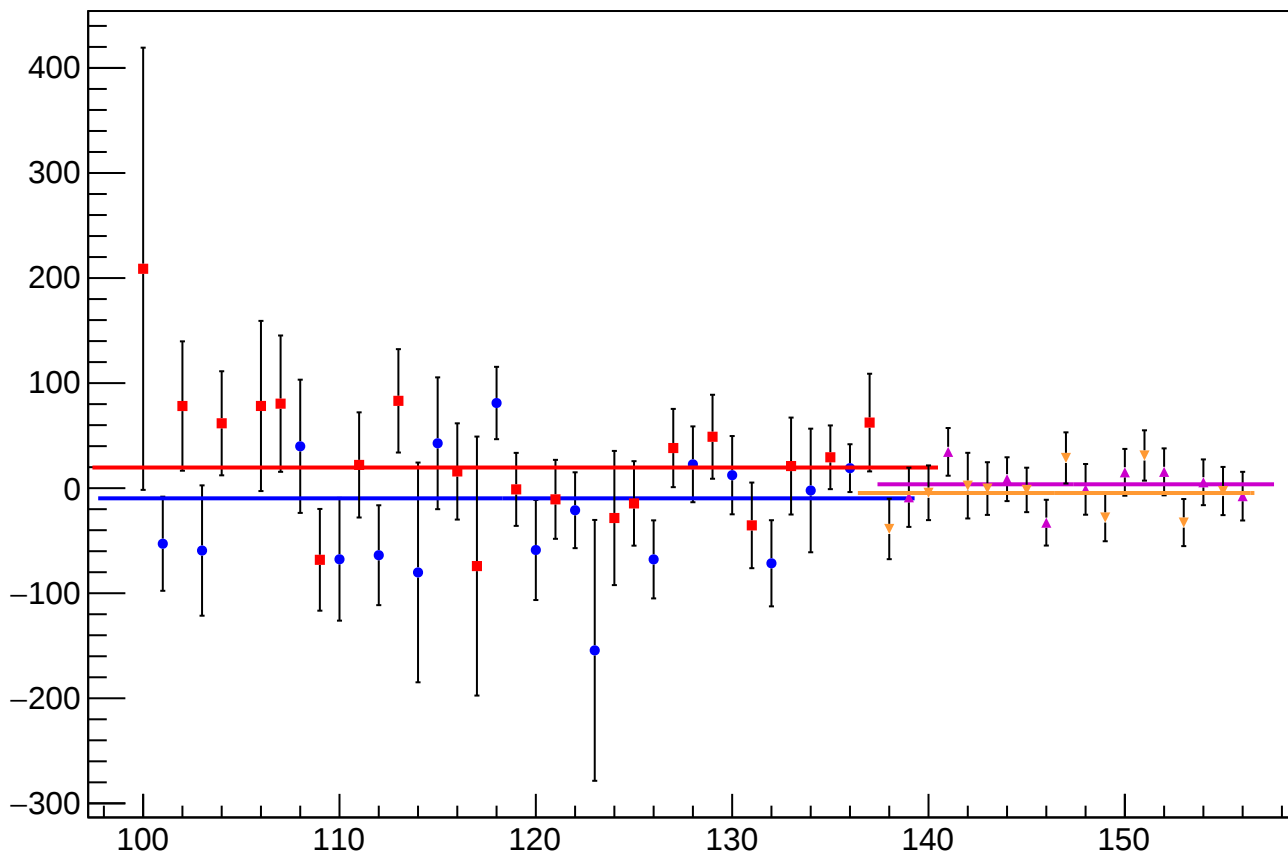
Right Out: 1350.936 ± 0.364 $\chi^2/\text{NDF}: 421834.2/19$

Left In: 752.357 ± 0.201 $\chi^2/\text{NDF}: 565658.9/8$

890.971 ± 0.178 $\chi^2/\text{NDF}: 2742993.5/26$

891.983 ± 0.176 $\chi^2/\text{NDF}: 3062018.0/28$

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: -4.597 ± 7.713 χ^2/NDF : 8.3/9

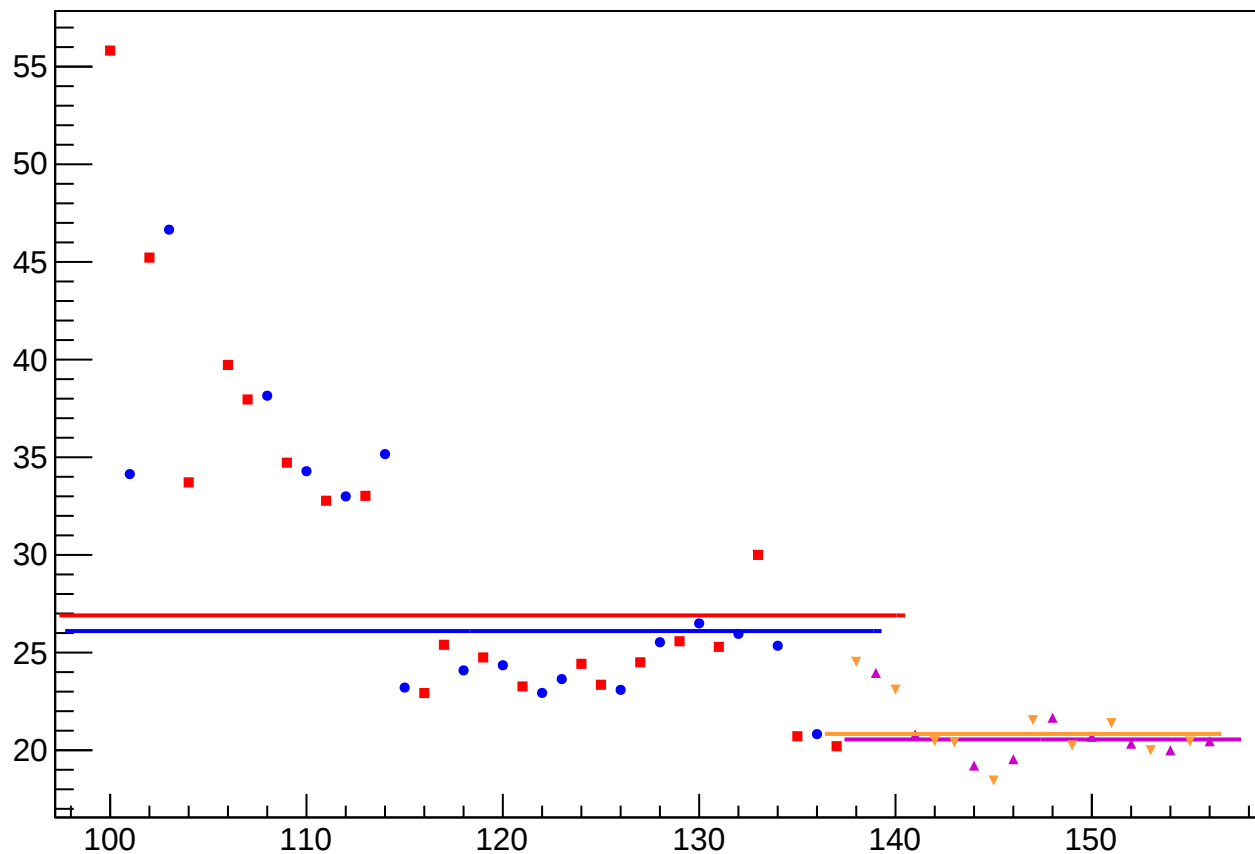
Right Out: 19.662 ± 10.406 χ^2/NDF : 15.2/19

Left In: 3.691 ± 7.600 χ^2/NDF : 5.7/8

-6.395 ± 6.197 χ^2/NDF : 31.0/26

9.246 ± 6.137 χ^2/NDF : 22.5/28

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103 $\pm$ 0.007 χ^2 /NDF: 604038.5/16

Left Out: 20.836 $\pm$ 0.005 χ^2 /NDF: 81841.0/9

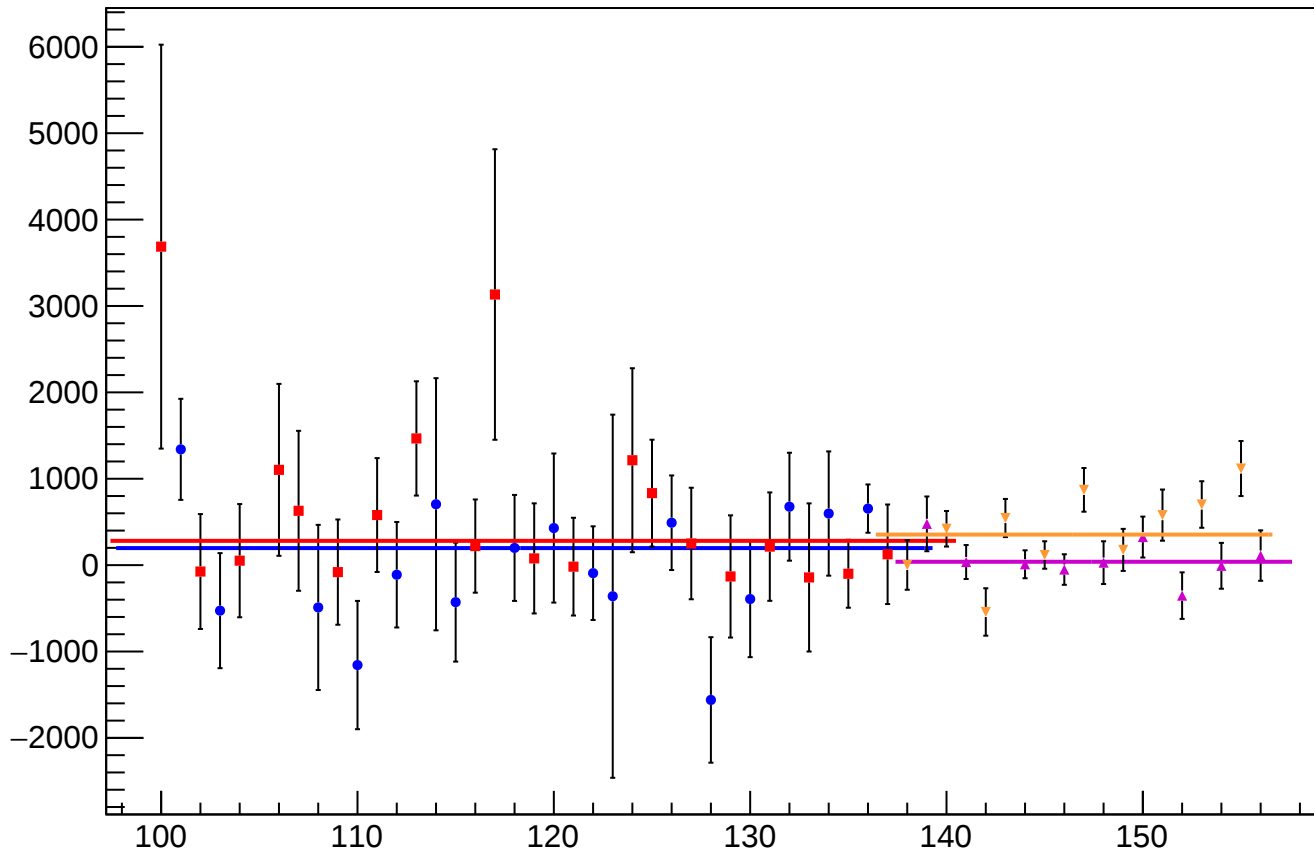
Right Out: 26.903 $\pm$ 0.007 χ^2 /NDF: 679269.9/19

Left In: 20.552 $\pm$ 0.005 χ^2 /NDF: 47840.3/8

22.703 $\pm$ 0.004 χ^2 /NDF: 1016487.8/26

22.761 $\pm$ 0.004 χ^2 /NDF: 1212861.9/28

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327+/-147.883 χ^2/NDF : 21.0/16

Left Out: 353.619+/-75.228 χ^2/NDF : 28.0/9

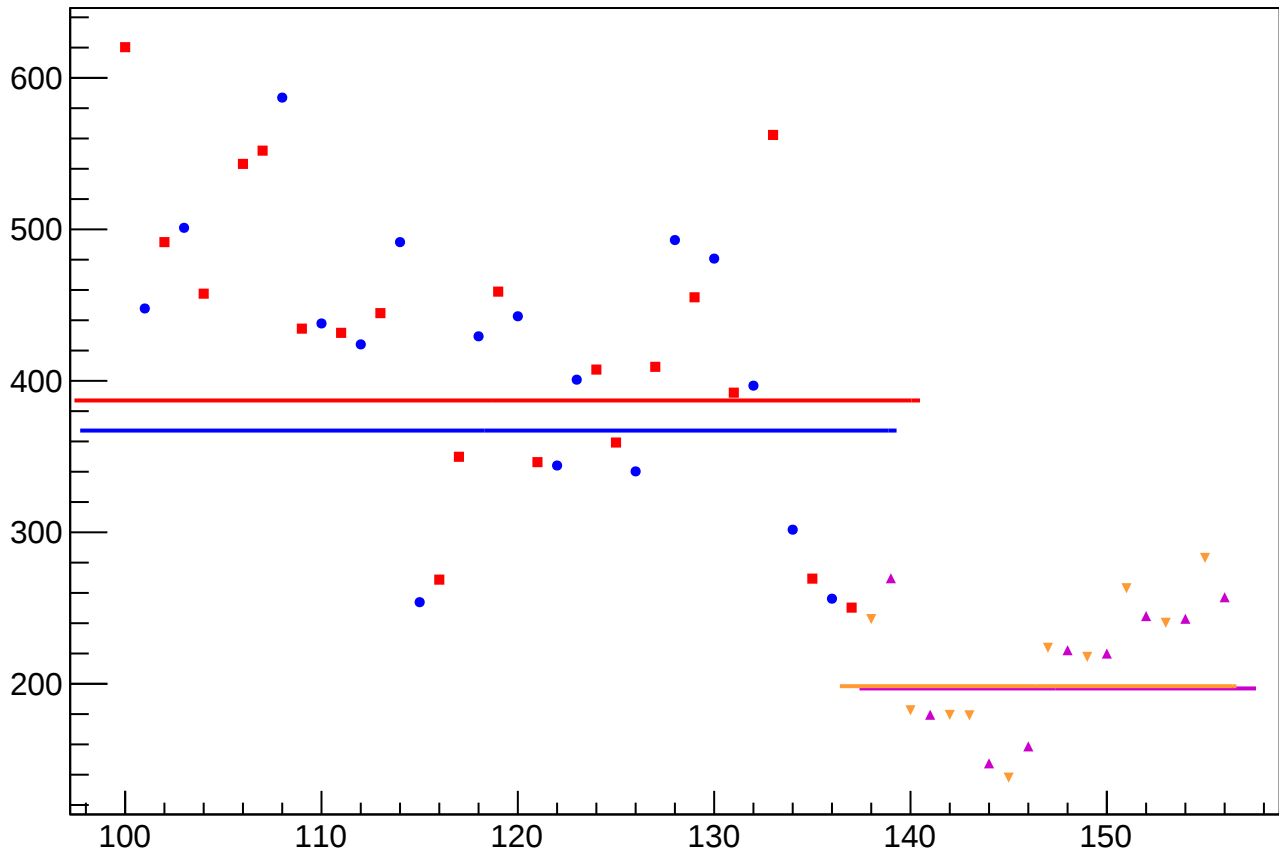
Right Out: 281.185+/-149.275 χ^2/NDF : 13.6/19

Left In: 39.007+/-74.534 χ^2/NDF : 5.9/8

321.489+/-67.051 χ^2/NDF : 49.8/26

87.336+/-66.684 χ^2/NDF : 21.5/28

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 ± 0.105 χ^2/NDF : 827148.2/16

Left Out: 198.418 ± 0.053 χ^2/NDF : 690814.1/9

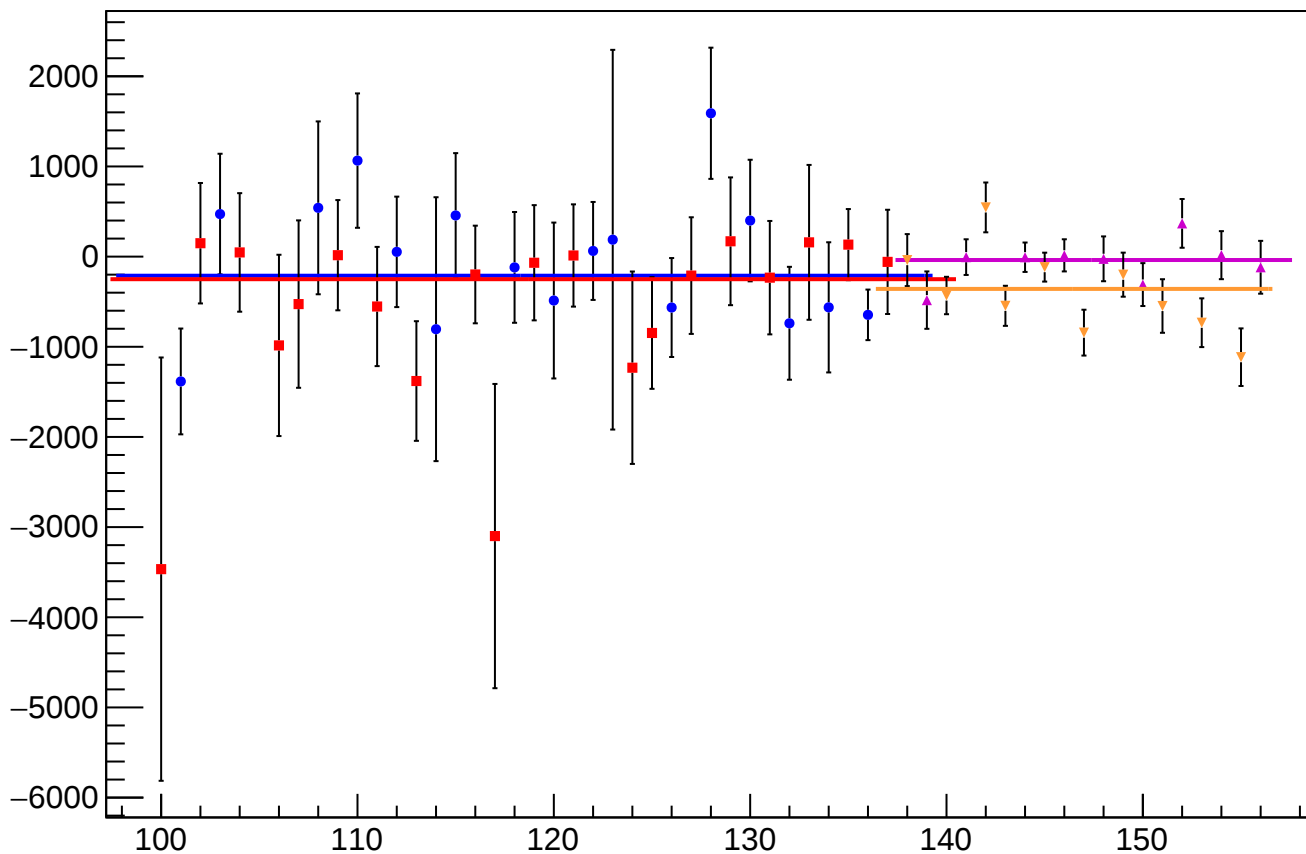
Right Out: 387.048 ± 0.106 χ^2/NDF : 775547.5/19

Left In: 196.938 ± 0.053 χ^2/NDF : 649332.6/8

233.111 ± 0.047 χ^2/NDF : 3587131.6/26

234.876 ± 0.047 χ^2/NDF : 4021425.8/28

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859+/-148.316 χ^2/NDF : 21.0/16

Left Out: -358.117+/-75.696 χ^2/NDF : 27.0/9

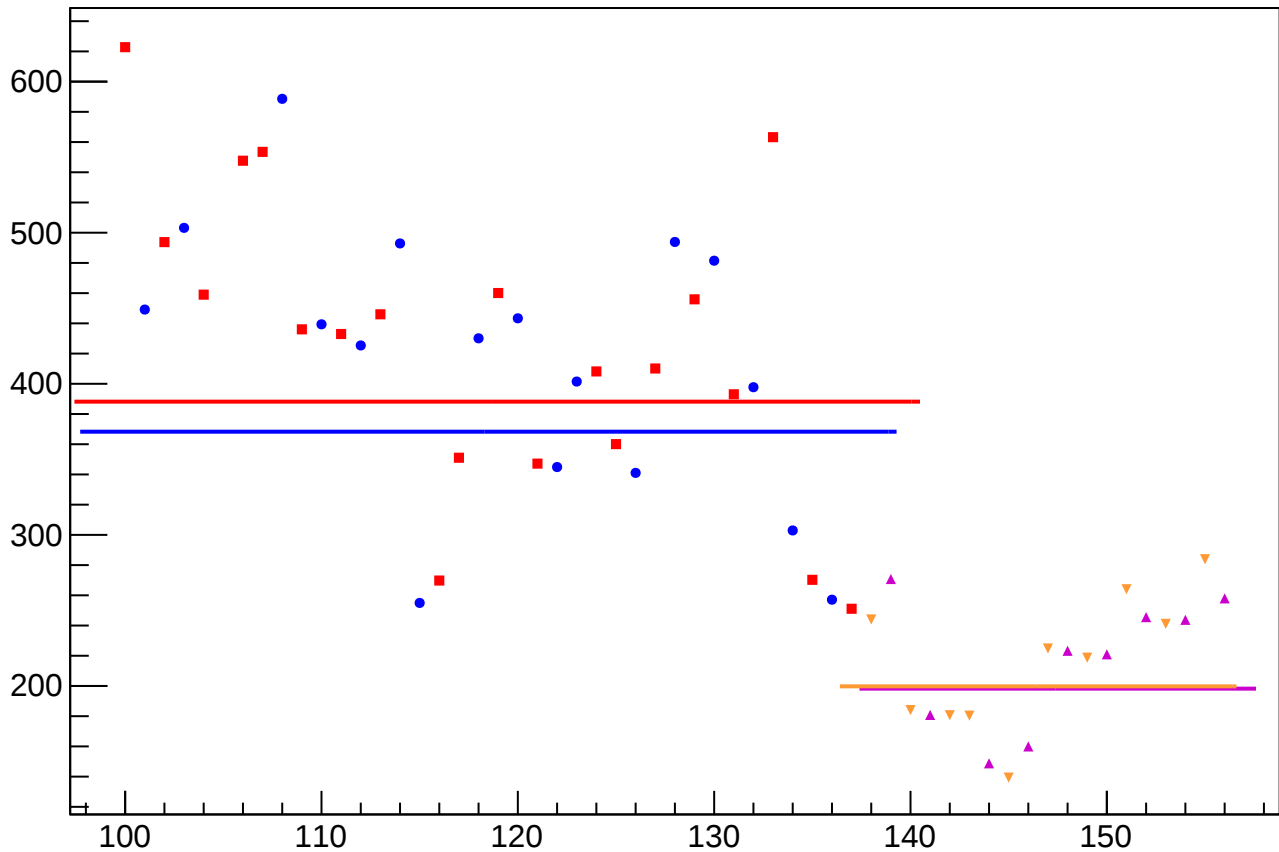
Right Out: -250.443+/-149.724 χ^2/NDF : 12.9/19

Left In: -37.697+/-74.989 χ^2/NDF : 5.8/8

-327.893+/-67.422 χ^2/NDF : 48.8/26

-80.362+/-67.049 χ^2/NDF : 20.3/28

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302+/-0.105 χ^2/NDF : 824619.2/16

Left Out: 199.754+/-0.054 χ^2/NDF : 678001.8/9

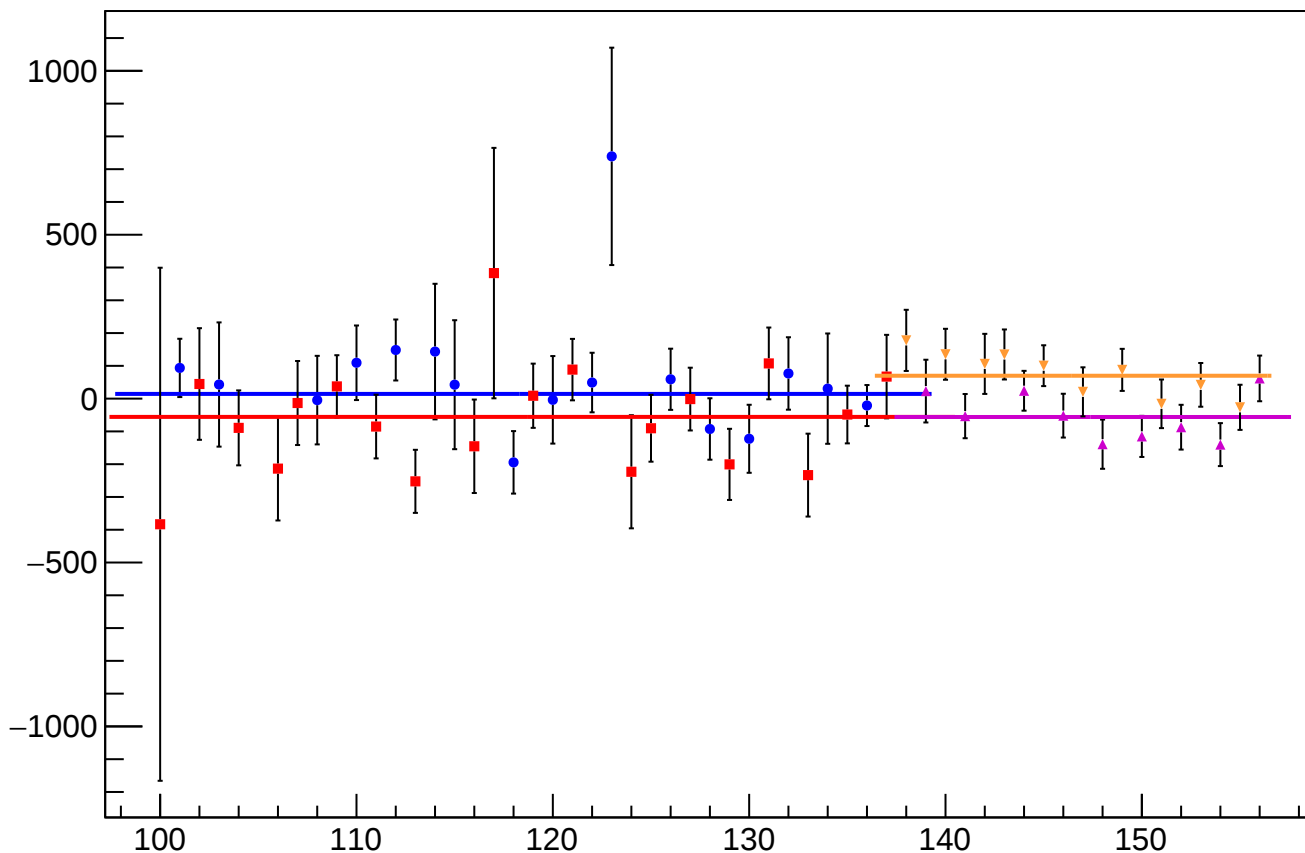
Right Out: 388.178+/-0.106 χ^2/NDF : 775692.7/19

Left In: 198.238+/-0.053 χ^2/NDF : 636934.9/8

234.584+/-0.048 χ^2/NDF : 3551741.5/26

236.330+/-0.047 χ^2/NDF : 3985834.3/28

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385 ± 26.334 χ^2/NDF : 17.7/16

Left Out: 69.825 ± 23.137 χ^2/NDF : 7.1/9

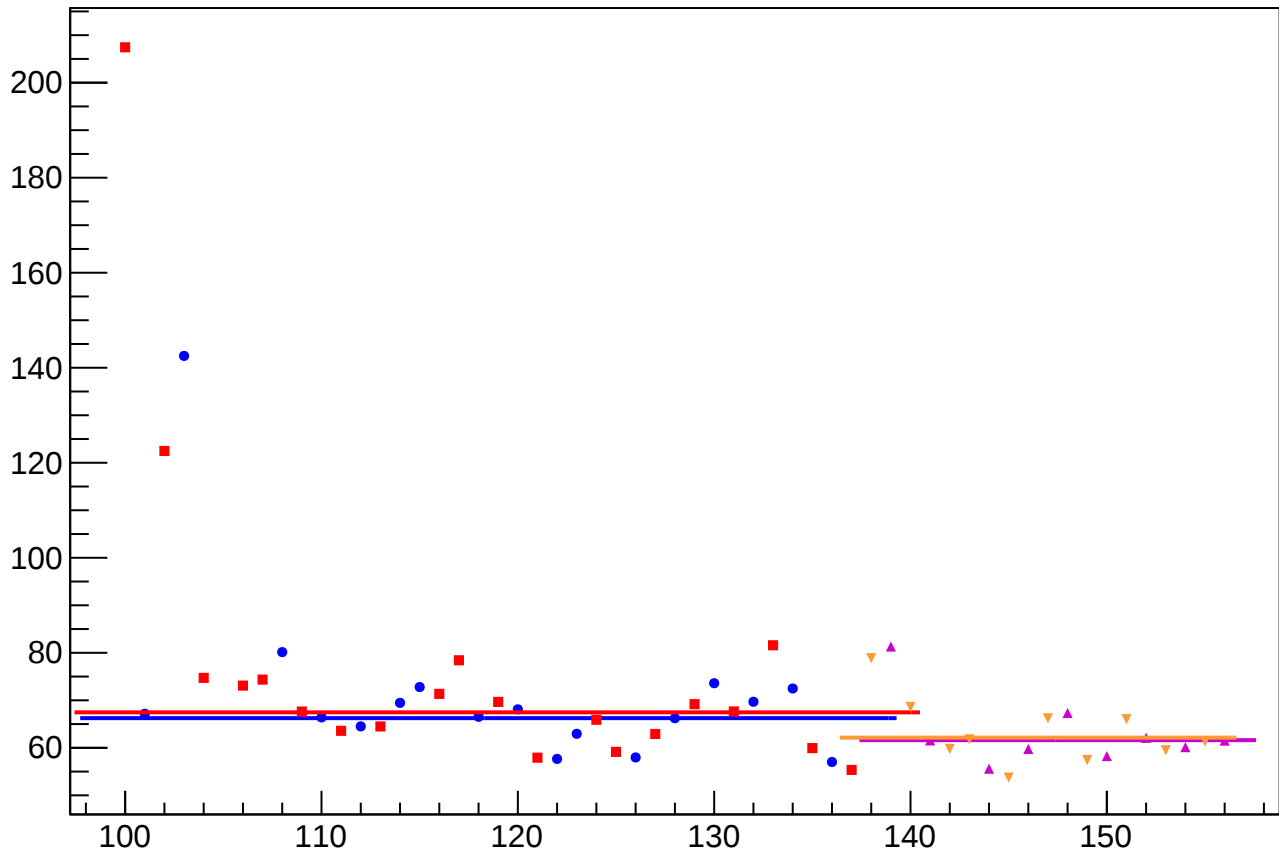
Right Out: -55.744 ± 26.060 χ^2/NDF : 19.7/19

Left In: -56.021 ± 22.887 χ^2/NDF : 9.2/8

45.673 ± 17.381 χ^2/NDF : 27.3/26

-55.900 ± 17.196 χ^2/NDF : 29.0/28

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247 ± 0.019 χ^2/NDF : 440944.2/16

Left Out: 62.147 ± 0.016 χ^2/NDF : 141529.4/9

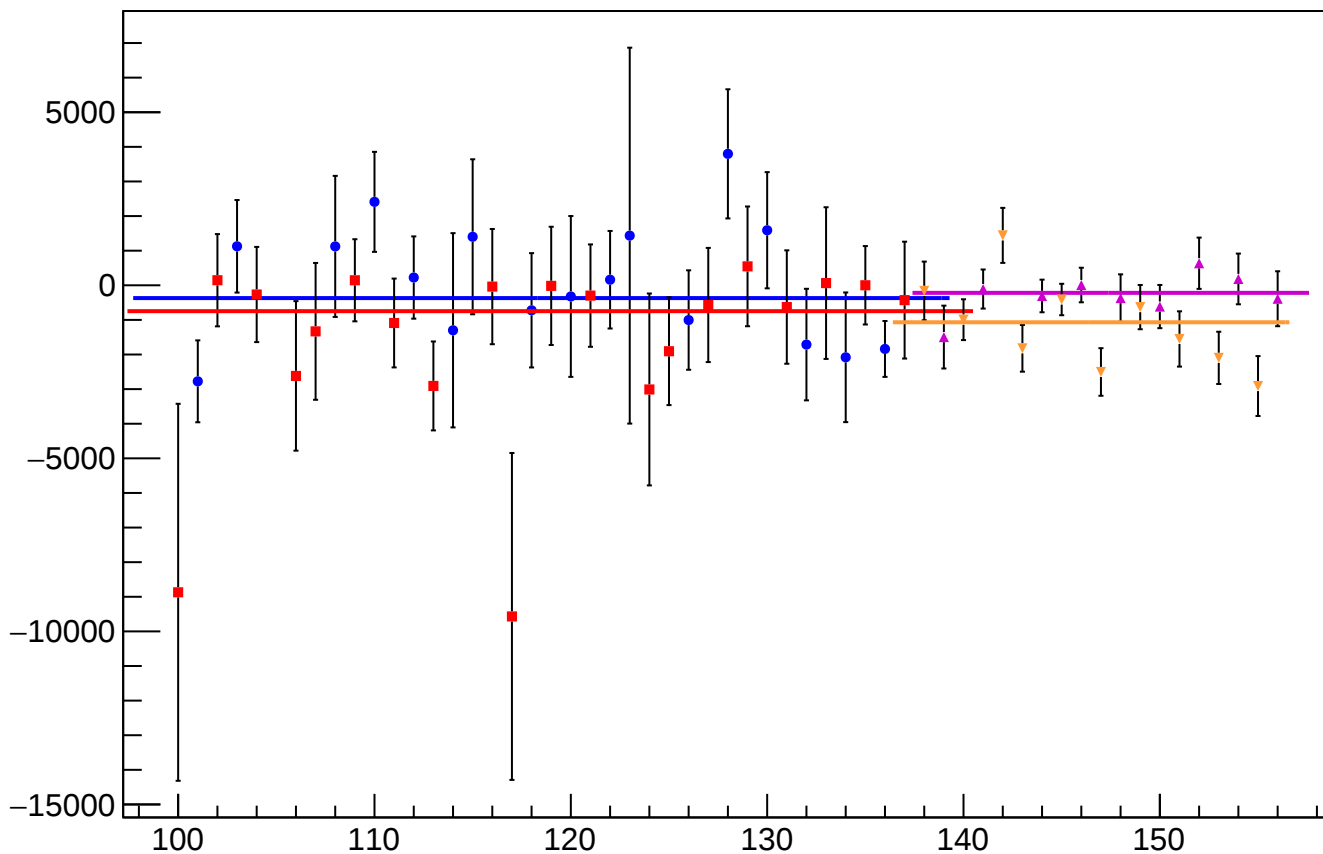
Right Out: 67.466 ± 0.018 χ^2/NDF : 395262.8/19

Left In: 61.616 ± 0.016 χ^2/NDF : 124342.5/8

63.933 ± 0.012 χ^2/NDF : 609836.4/26

64.164 ± 0.012 χ^2/NDF : 576509.8/28

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546 $\pm$ 366.432 χ^2 /NDF: 22.3/16

Left Out: -1068.246 $\pm$ 212.627 χ^2 /NDF:26.1/9

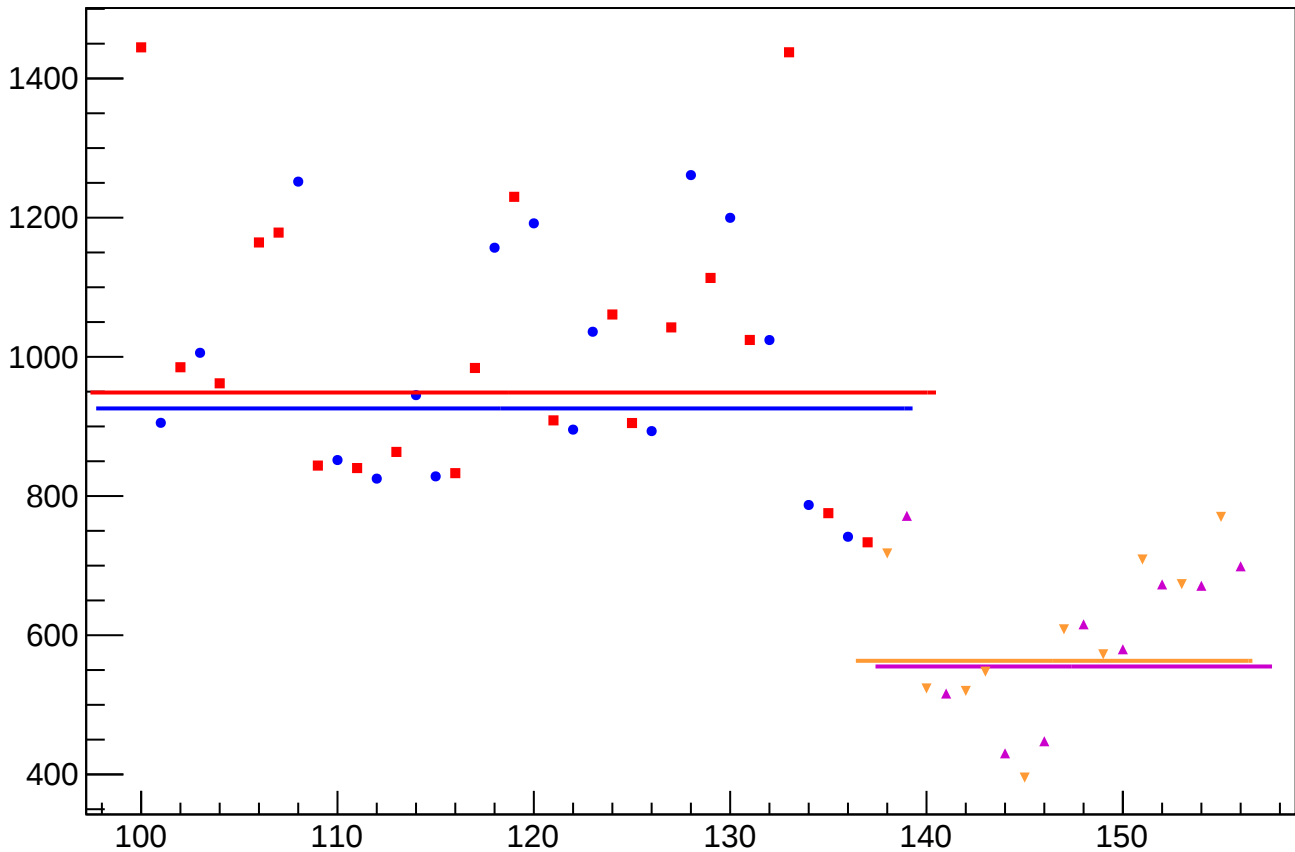
Right Out: -747.208 $\pm$ 360.830 χ^2 /NDF: 13.4/19

Left In: -218.286 $\pm$ 209.252 χ^2 /NDF:4.4/8

-892.249 $\pm$ 183.908 χ^2 /NDF: 51.1/26

-351.399 $\pm$ 181.016 χ^2 /NDF: 19.5/28

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885+/-0.259 χ^2/NDF : 391084.5/16

Left Out: 563.242+/-0.150 χ^2/NDF : 587883.7/9

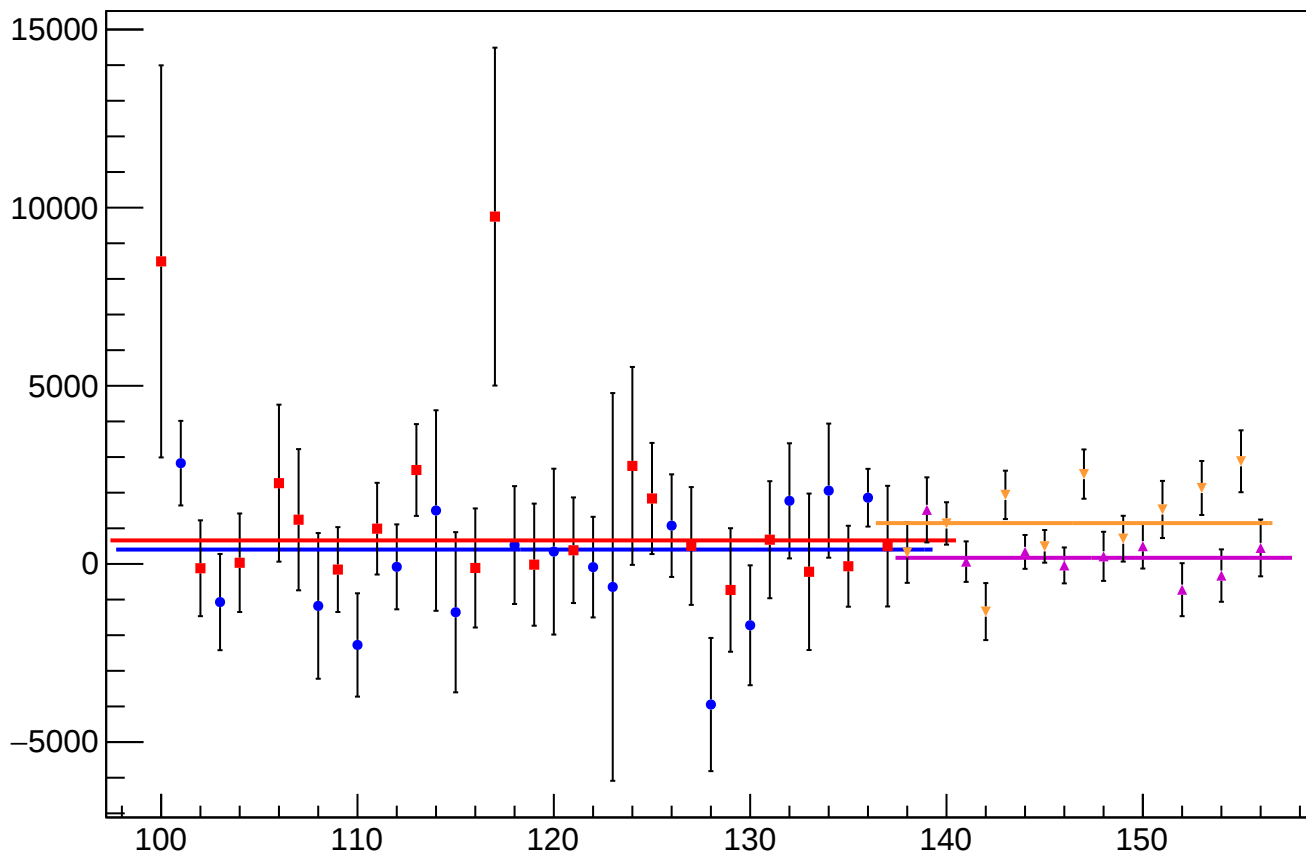
Right Out: 948.760+/-0.255 χ^2/NDF : 382044.0/19

Left In: 555.091+/-0.148 χ^2/NDF : 541449.0/8

654.589+/-0.130 χ^2/NDF : 2444396.8/26

654.165+/-0.128 χ^2/NDF : 2704974.5/28

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 1146.279+/-214.066 χ^2/NDF : 24.3/9

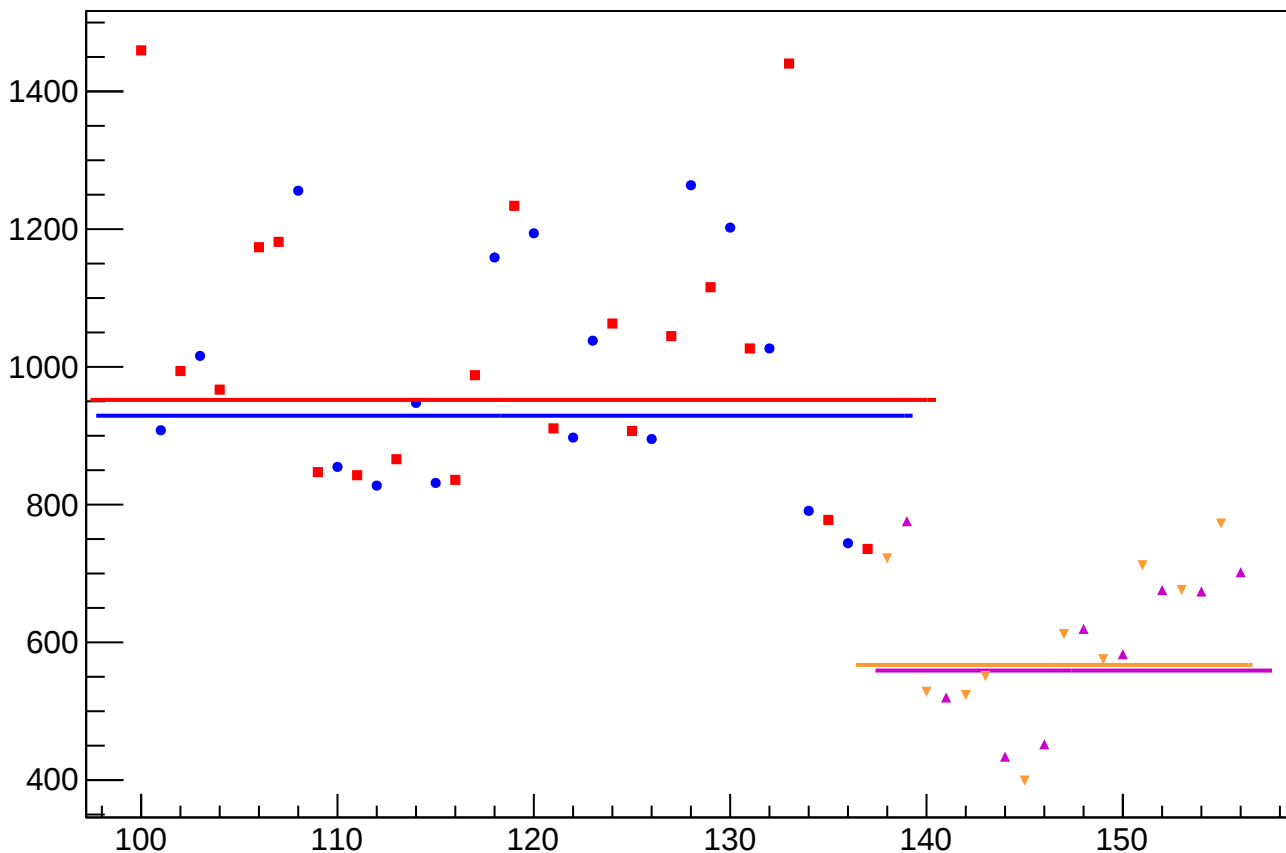
Right Out: 660.630+/-362.265 χ^2/NDF : 12.5/19

Left In: 171.766+/-210.665 χ^2/NDF : 4.8/8

958.267+/-184.997 χ^2/NDF : 49.8/26

295.306+/-182.111 χ^2/NDF : 18.7/28

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 567.274+/-0.151 χ^2/NDF : 576966.3/9

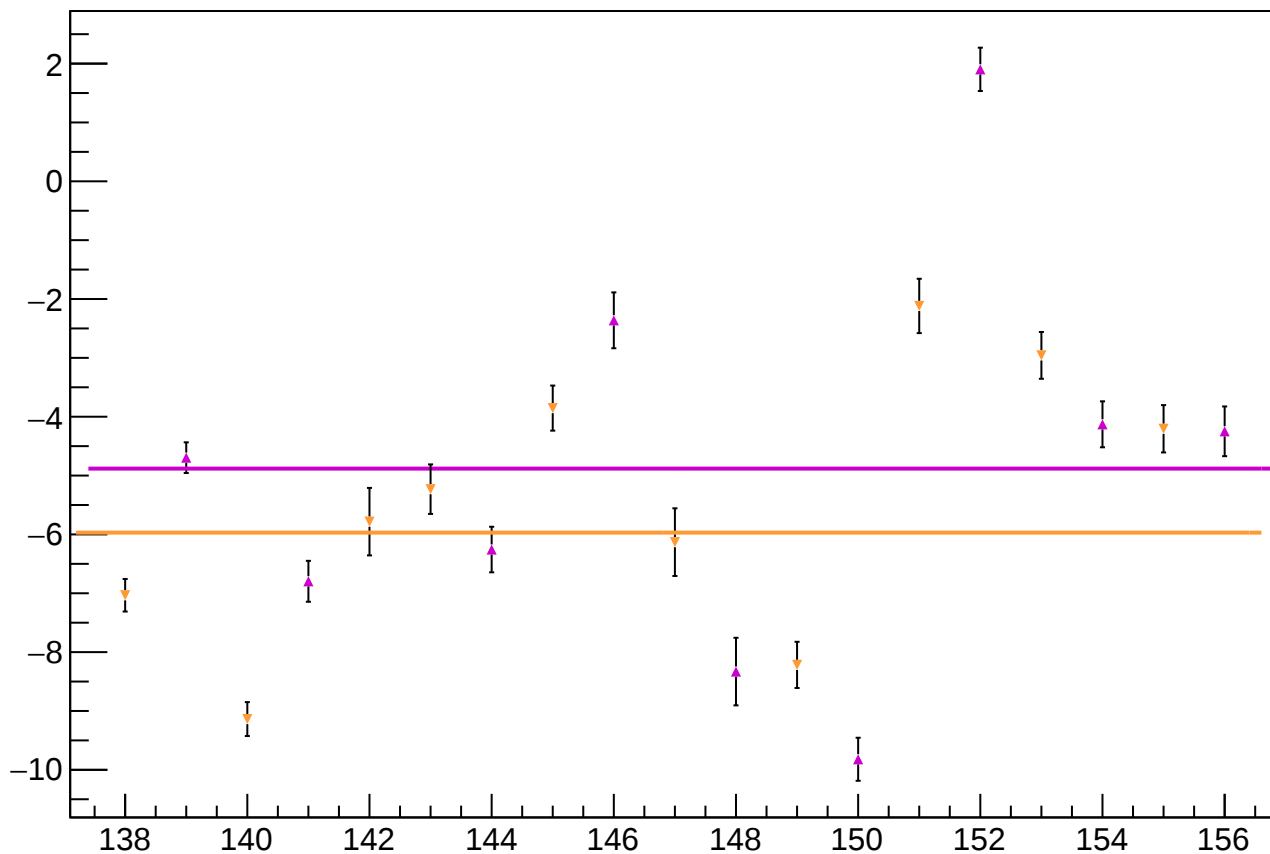
Right Out: 952.057+/-0.256 χ^2/NDF : 382334.5/19

Left In: 559.055+/-0.149 χ^2/NDF : 531471.5/8

658.869+/-0.131 χ^2/NDF : 2413704.1/26

658.370+/-0.129 χ^2/NDF : 2672769.6/28

reg_asym_sam1_diff_bpm1X_slope vs Slug



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

Left Out: -5.970+/-0.122 χ^2/NDF : 348.5/9

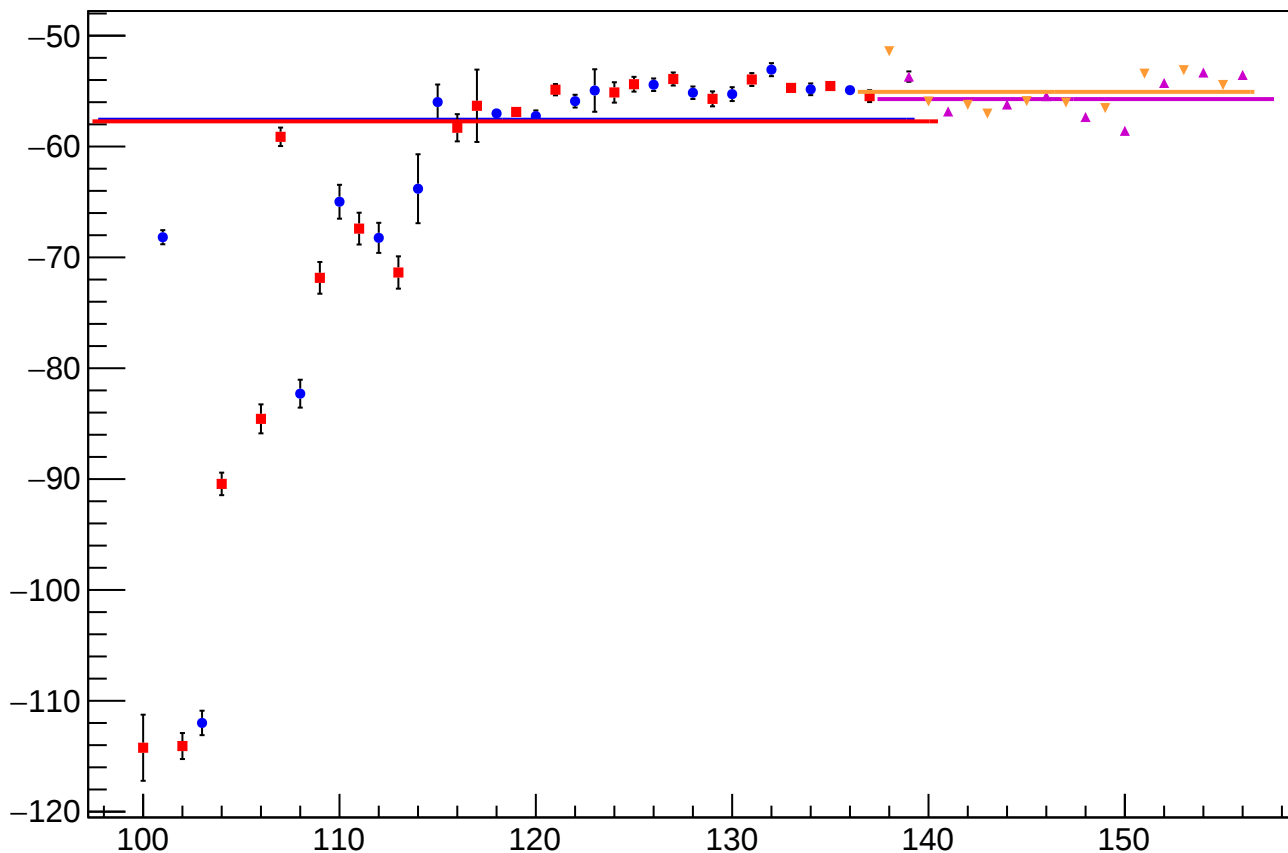
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -4.882+/-0.125 χ^2/NDF : 635.3/8

-5.970+/-0.122 χ^2/NDF : 348.5/9

-4.882+/-0.125 χ^2/NDF : 635.3/8

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -55.069 ± 0.090 χ^2/NDF : 338.5/9

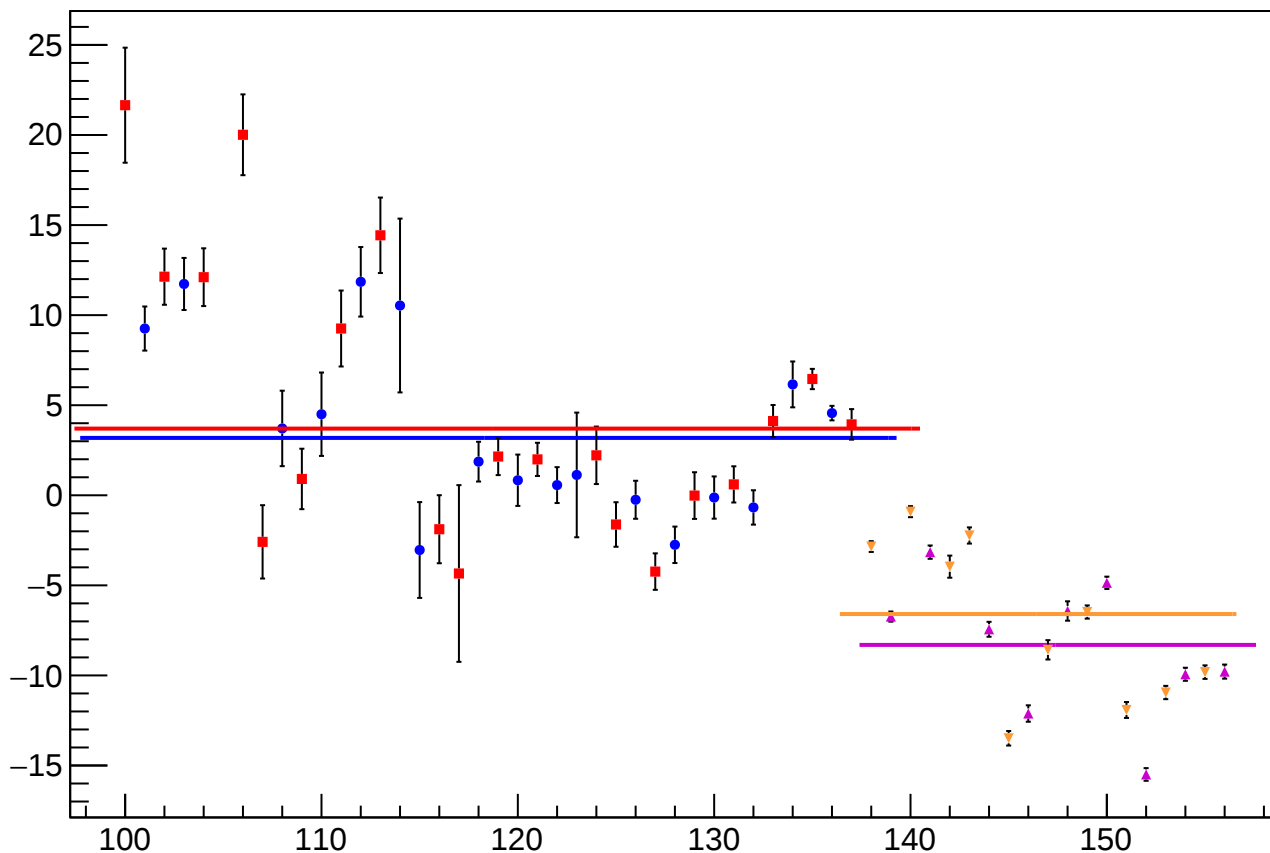
Right Out: -57.730 ± 0.143 χ^2/NDF : 4698.7/19

Left In: -55.720 ± 0.095 χ^2/NDF : 369.6/8

-55.785 ± 0.076 χ^2/NDF : 4014.4/26

-56.337 ± 0.079 χ^2/NDF : 5205.5/28

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 ± 0.259 $\chi^2/\text{NDF}: 185.8/16$

Left Out: -6.592 ± 0.123 $\chi^2/\text{NDF}: 1274.8/9$

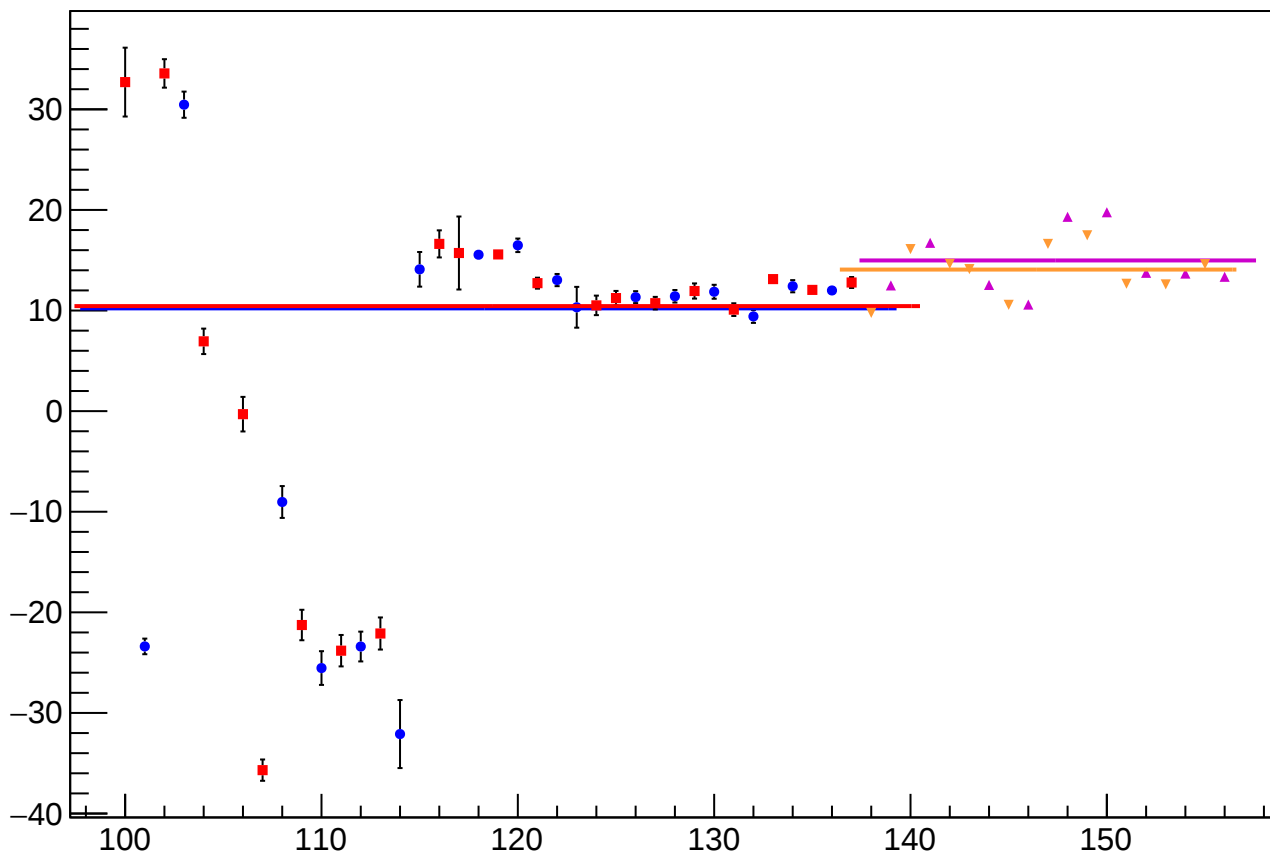
Right Out: 3.702 ± 0.267 $\chi^2/\text{NDF}: 326.8/19$

Left In: -8.306 ± 0.124 $\chi^2/\text{NDF}: 864.1/8$

-4.789 ± 0.111 $\chi^2/\text{NDF}: 2622.9/26$

-6.167 ± 0.113 $\chi^2/\text{NDF}: 2851.5/28$

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215+/-0.158 χ^2/NDF : 3692.6/16

Left Out: 14.072+/-0.108 χ^2/NDF : 501.9/9

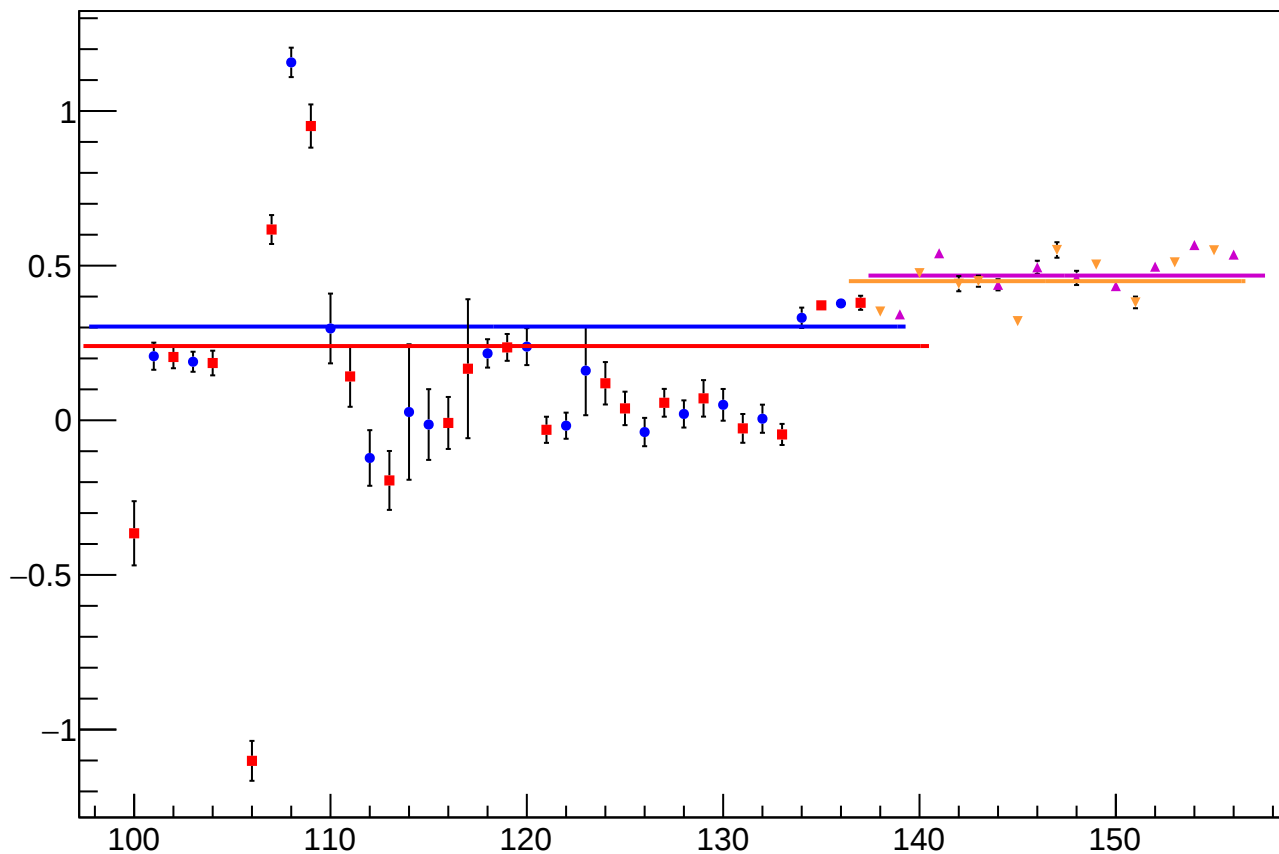
Right Out: 10.440+/-0.160 χ^2/NDF : 3829.1/19

Left In: 14.980+/-0.112 χ^2/NDF : 706.5/8

12.847+/-0.089 χ^2/NDF : 4600.7/26

13.484+/-0.092 χ^2/NDF : 5076.2/28

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.450 ± 0.005 χ^2/NDF : 264.4/9

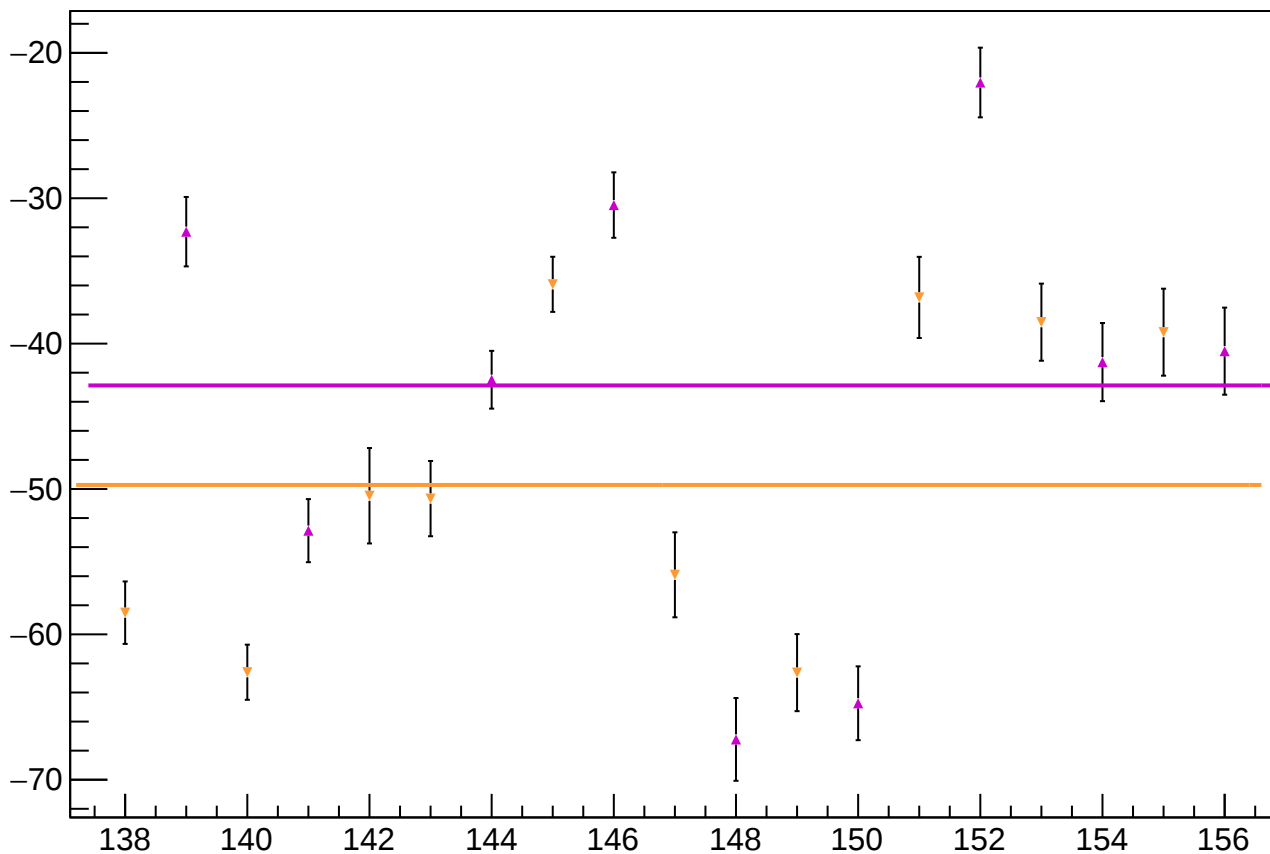
Right Out: 0.240 ± 0.009 χ^2/NDF : 984.5/19

Left In: 0.468 ± 0.005 χ^2/NDF : 285.6/8

0.412 ± 0.004 χ^2/NDF : 1146.6/26

0.413 ± 0.004 χ^2/NDF : 1814.6/28

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -49.722+/-0.777 χ^2/NDF : 195.8/9

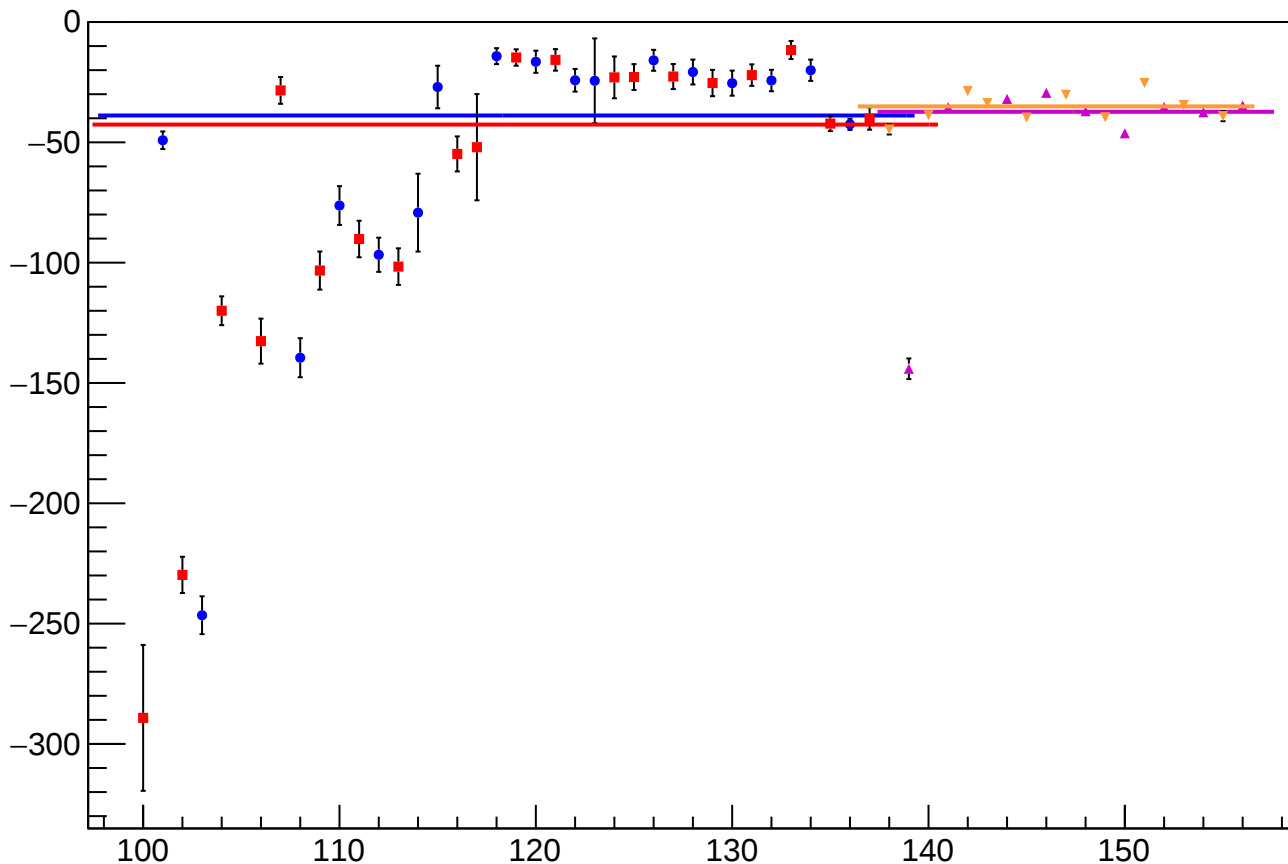
-49.722+/-0.777 χ^2/NDF : 195.8/9

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

-42.877+/-0.806 χ^2/NDF : 295.2/8

Left In: -42.877+/-0.806 χ^2/NDF : 295.2/8

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -35.066 ± 0.544 χ^2/NDF : 103.3/9

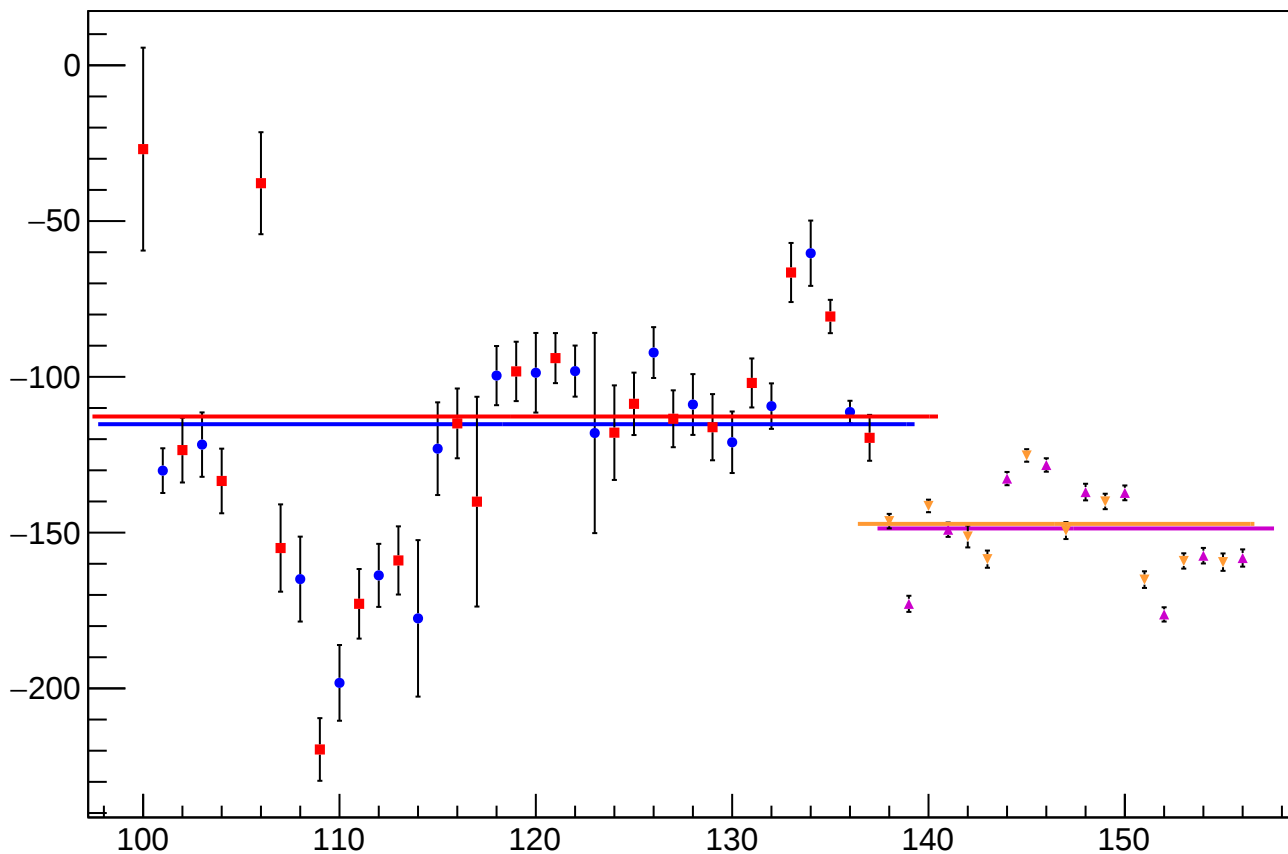
Right Out: -42.614 ± 1.208 χ^2/NDF : 1345.9/19

Left In: -37.308 ± 0.560 χ^2/NDF : 700.2/8

-35.758 ± 0.492 χ^2/NDF : 1234.0/26

-38.245 ± 0.508 χ^2/NDF : 2061.9/28

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199 $\pm$ 2.081 χ^2/NDF : 140.8/16

Left Out: -147.195 $\pm$ 0.786 χ^2/NDF : 241.4/9

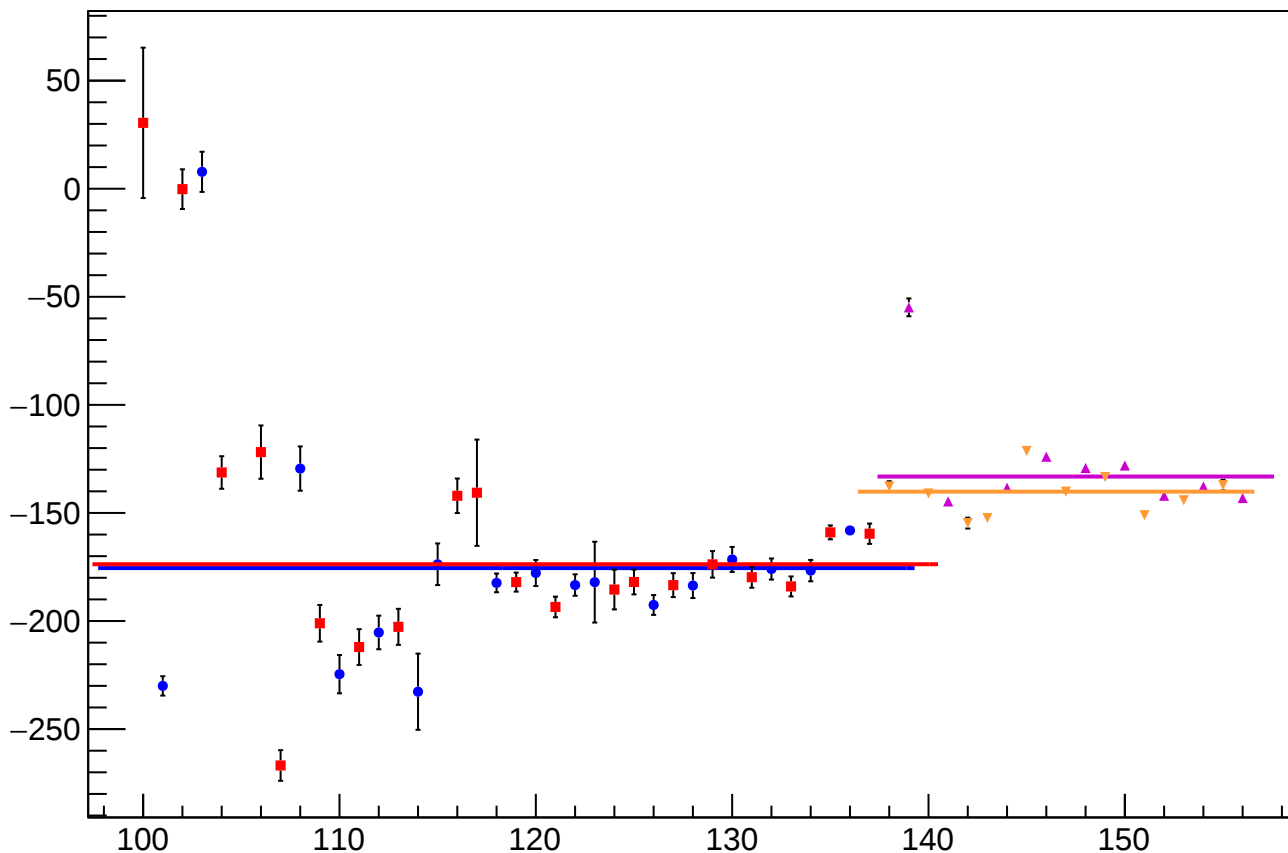
Right Out: -112.729 $\pm$ 2.205 χ^2/NDF : 273.1/19

Left In: -148.665 $\pm$ 0.798 χ^2/NDF : 444.2/8

-143.200 $\pm$ 0.735 χ^2/NDF : 589.0/26

-144.503 $\pm$ 0.750 χ^2/NDF : 952.2/28

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 $\chi^2/\text{NDF}: 692.3/16$

Left Out: -140.147 ± 0.661 $\chi^2/\text{NDF}: 224.0/9$

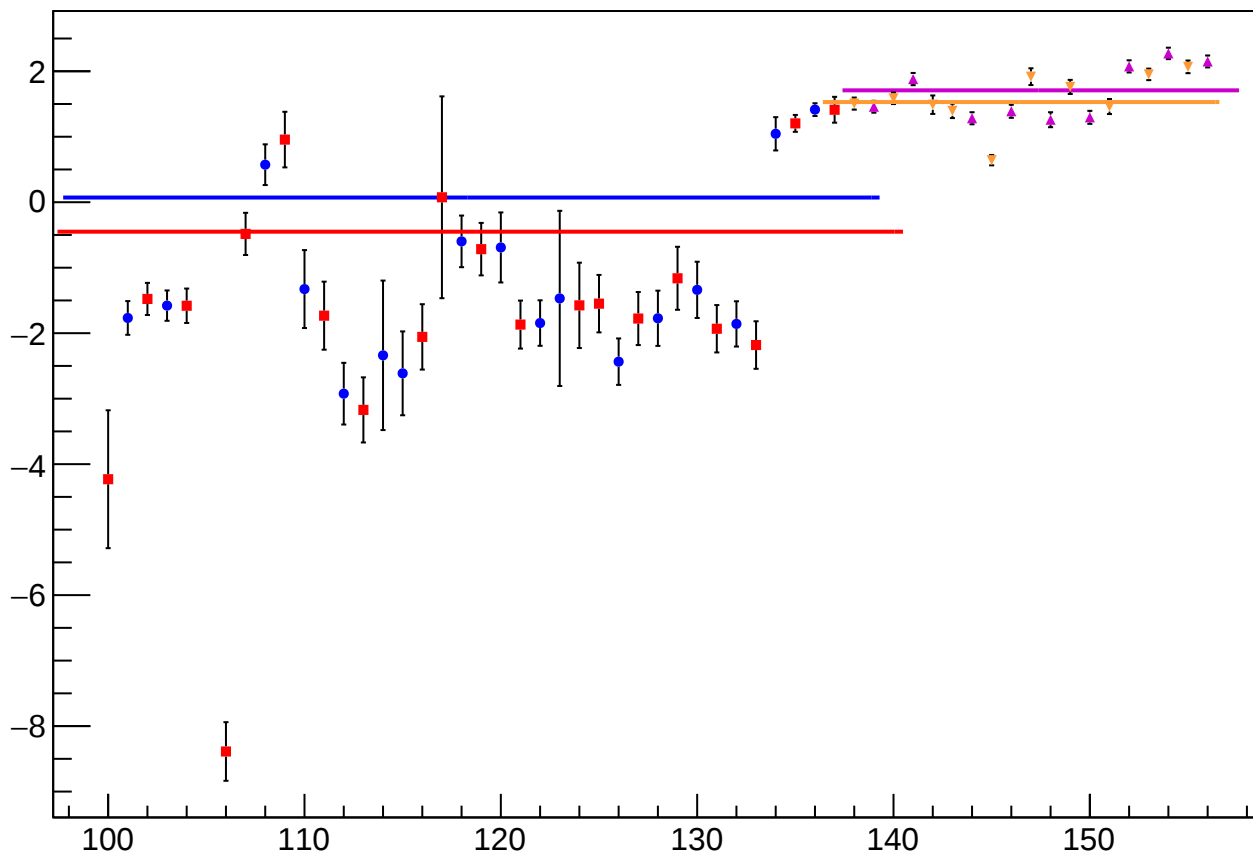
Right Out: -173.729 ± 1.354 $\chi^2/\text{NDF}: 739.7/19$

Left In: -133.154 ± 0.678 $\chi^2/\text{NDF}: 487.3/8$

-147.617 ± 0.587 $\chi^2/\text{NDF}: 1521.5/26$

-141.279 ± 0.606 $\chi^2/\text{NDF}: 1944.7/28$

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.530 ± 0.032 χ^2/NDF : 196.0/9

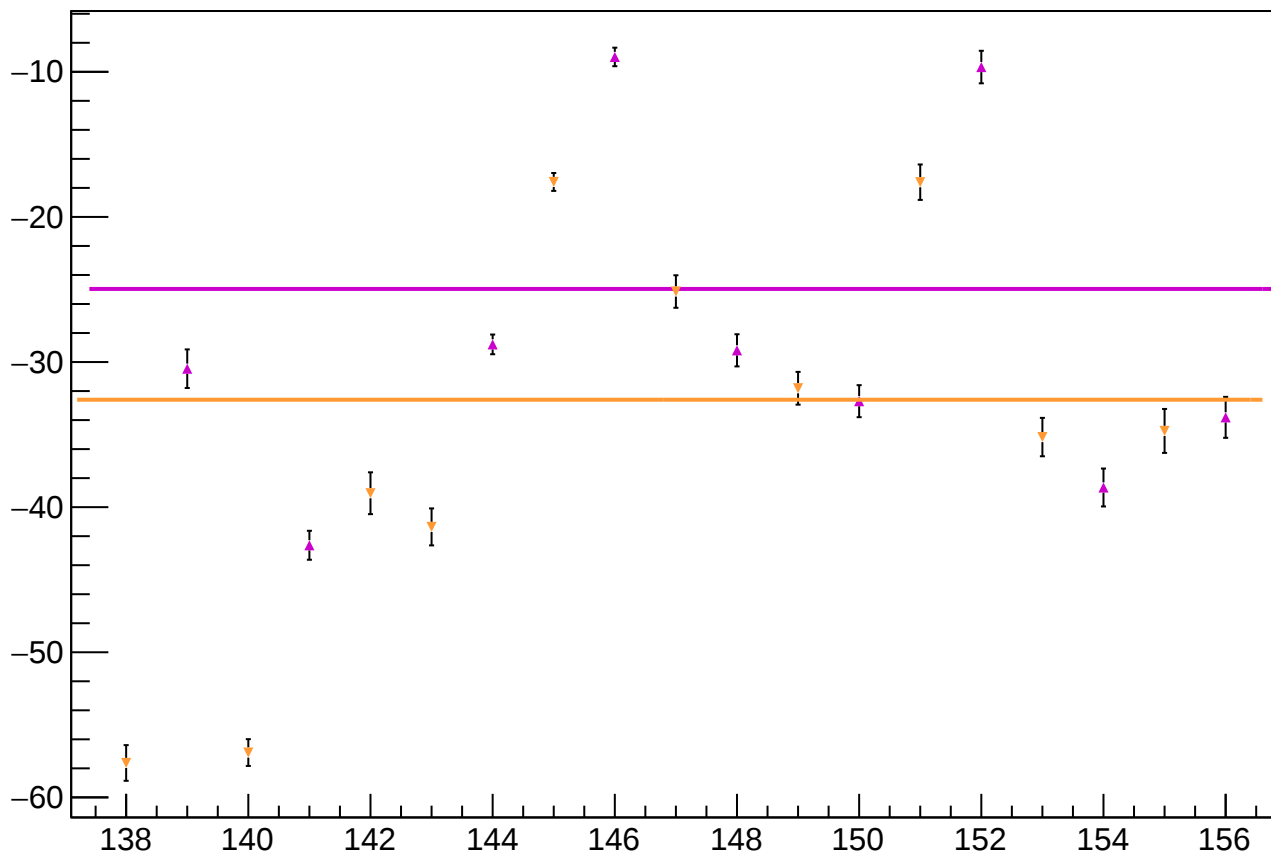
Right Out: -0.450 ± 0.071 χ^2/NDF : 751.4/19

Left In: 1.708 ± 0.032 χ^2/NDF : 155.1/8

1.264 ± 0.029 χ^2/NDF : 1107.0/26

1.352 ± 0.029 χ^2/NDF : 1672.6/28

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

Left Out: -32.597+/-0.337 χ^2/NDF : 1969.0/9

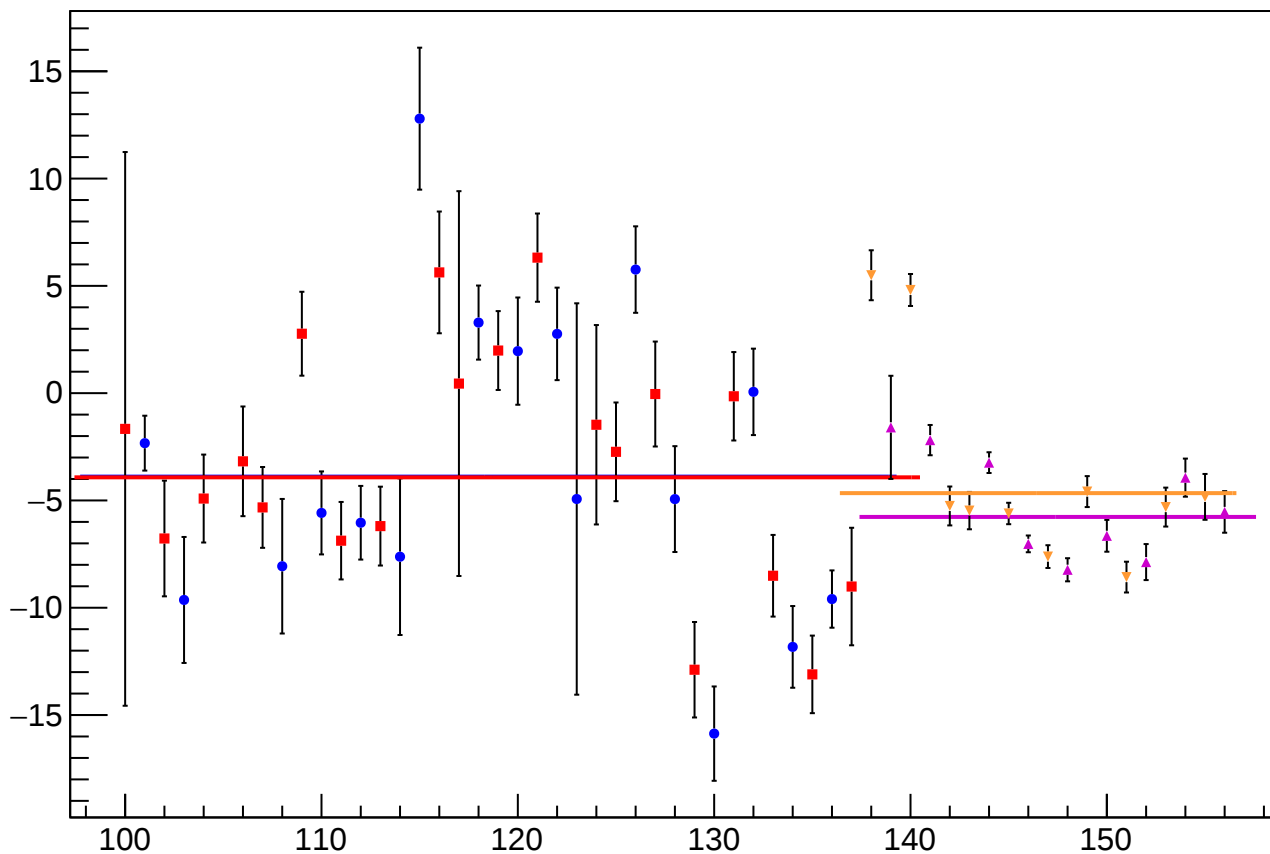
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -24.962+/-0.321 χ^2/NDF : 1387.5/8

-32.597+/-0.337 χ^2/NDF : 1969.0/9

-24.962+/-0.321 χ^2/NDF : 1387.5/8

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 χ^2/NDF : 160.5/16

Left Out: -4.659 ± 0.232 χ^2/NDF : 303.7/9

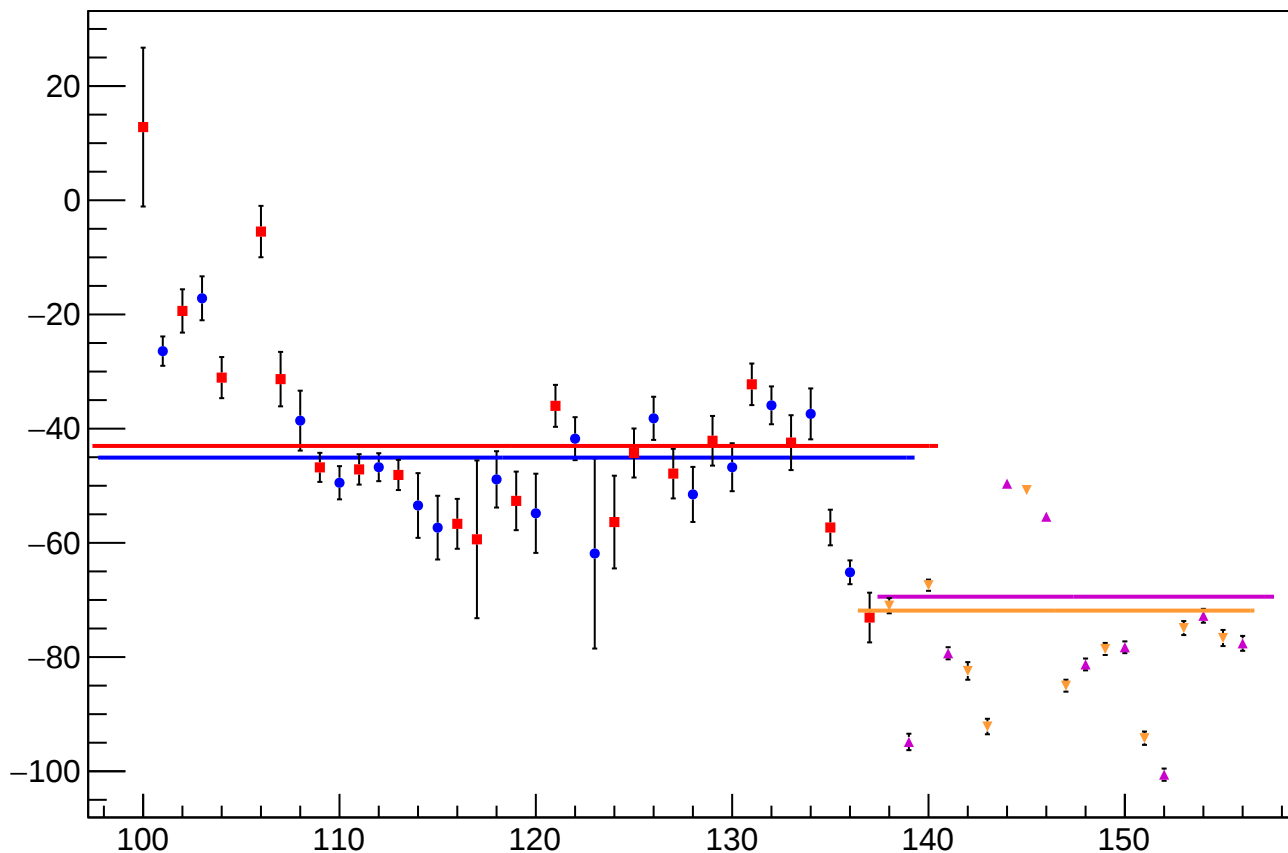
Right Out: -3.923 ± 0.506 χ^2/NDF : 122.4/19

Left In: -5.768 ± 0.213 χ^2/NDF : 99.4/8

-4.522 ± 0.210 χ^2/NDF : 466.1/26

-5.490 ± 0.196 χ^2/NDF : 233.1/28

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 $\chi^2/\text{NDF} = 229.7/16$

Left Out: -71.862 ± 0.341 $\chi^2/\text{NDF} = 1909.8/9$

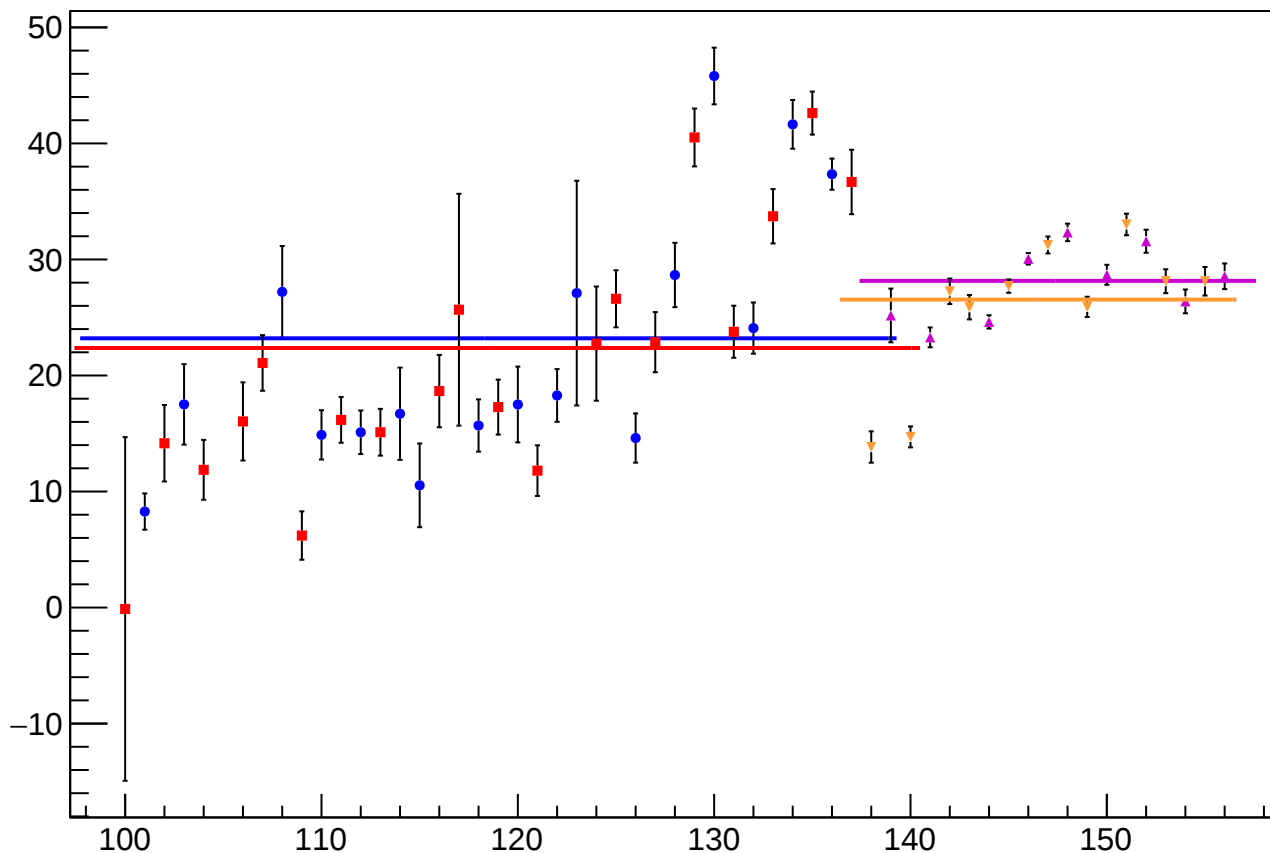
Right Out: -43.025 ± 0.876 $\chi^2/\text{NDF} = 249.7/19$

Left In: -69.427 ± 0.318 $\chi^2/\text{NDF} = 2755.0/8$

-68.386 ± 0.318 $\chi^2/\text{NDF} = 2940.1/26$

-66.361 ± 0.299 $\chi^2/\text{NDF} = 3807.5/28$

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 26.543 $\pm$ 0.283 χ^2 /NDF: 359.6/9

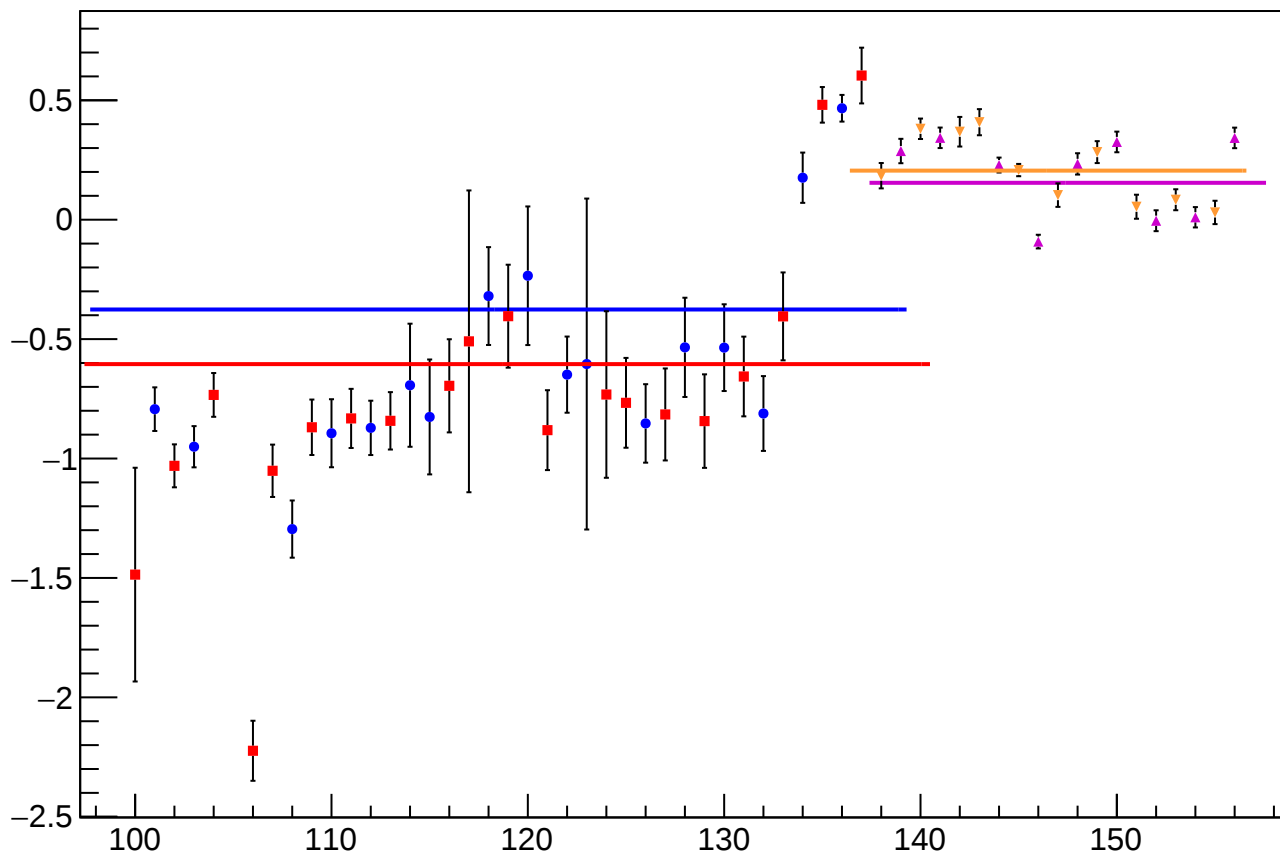
Right Out: 22.372 $\pm$ 0.572 χ^2 /NDF: 367.0/19

Left In: 28.151 $\pm$ 0.262 χ^2 /NDF: 133.0/8

25.860 $\pm$ 0.253 χ^2 /NDF: 845.2/26

27.148 $\pm$ 0.238 χ^2 /NDF: 584.5/28

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.206 ± 0.014 $\chi^2/\text{NDF}: 74.3/9$

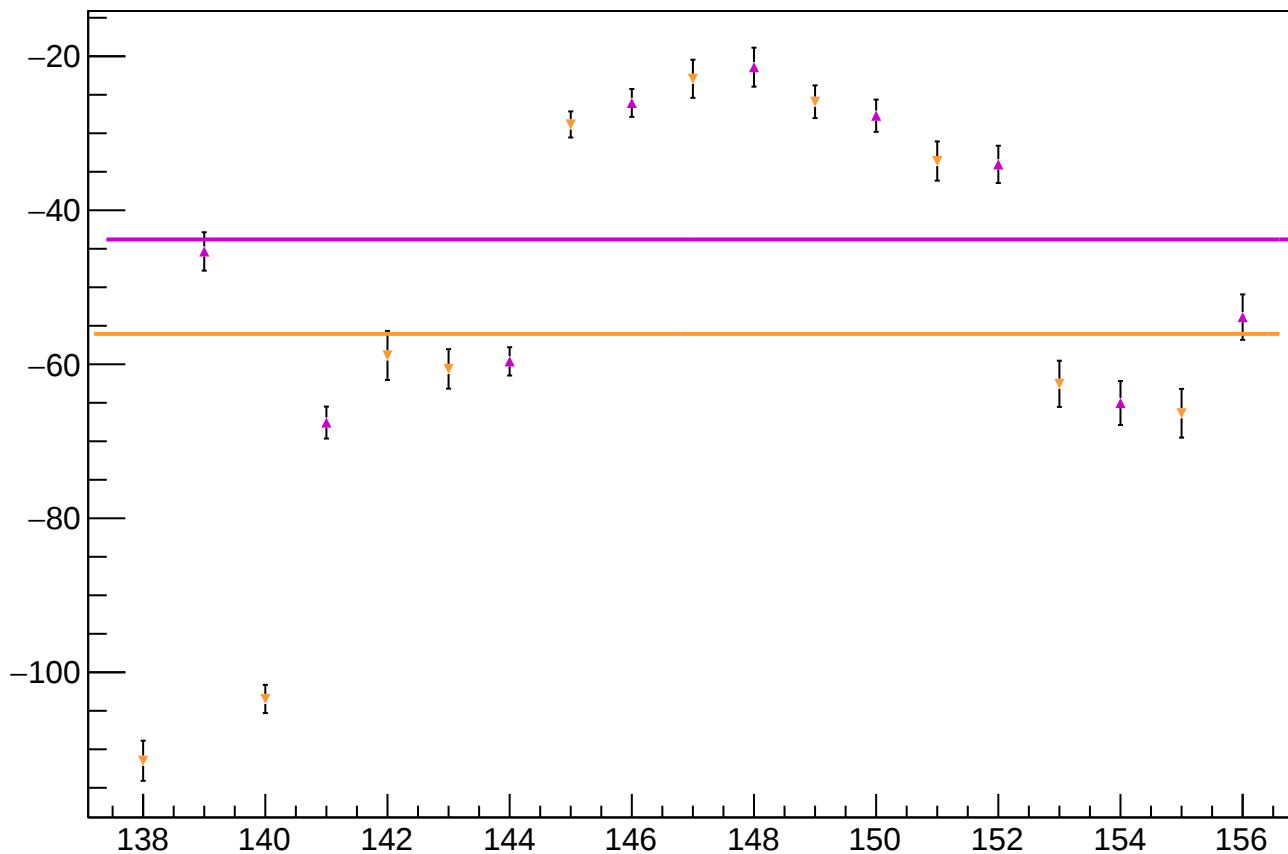
Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

Left In: 0.154 ± 0.013 $\chi^2/\text{NDF}: 168.1/8$

0.104 ± 0.013 $\chi^2/\text{NDF}: 819.3/26$

0.034 ± 0.012 $\chi^2/\text{NDF}: 1251.2/28$

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -56.053+/-0.747 χ^2/NDF : 1857.0/9

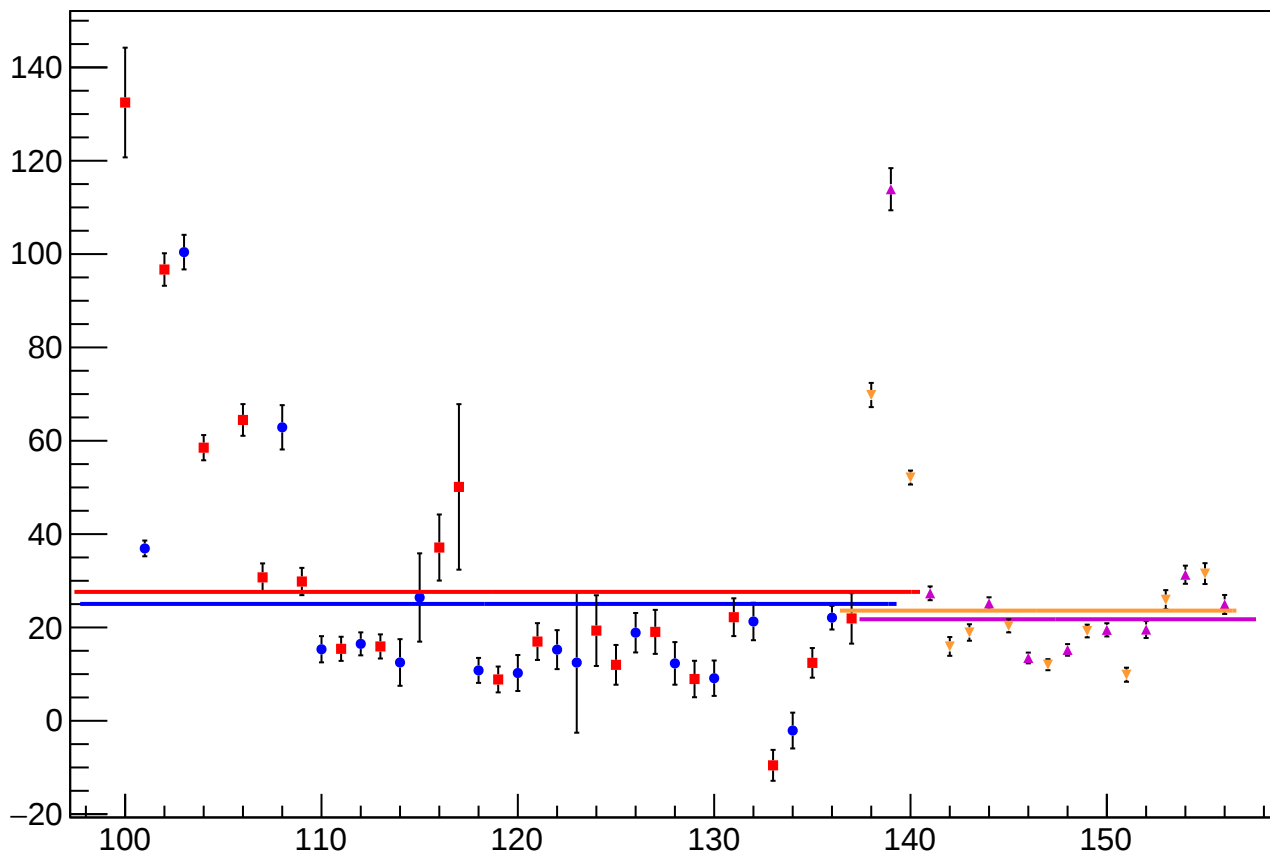
-56.053+/-0.747 χ^2/NDF : 1857.0/9

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

Left In: -43.791+/-0.748 χ^2/NDF : 522.2/8

-43.791+/-0.748 χ^2/NDF : 522.2/8

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 23.608 $\pm$ 0.513 χ^2 /NDF: 908.6/9

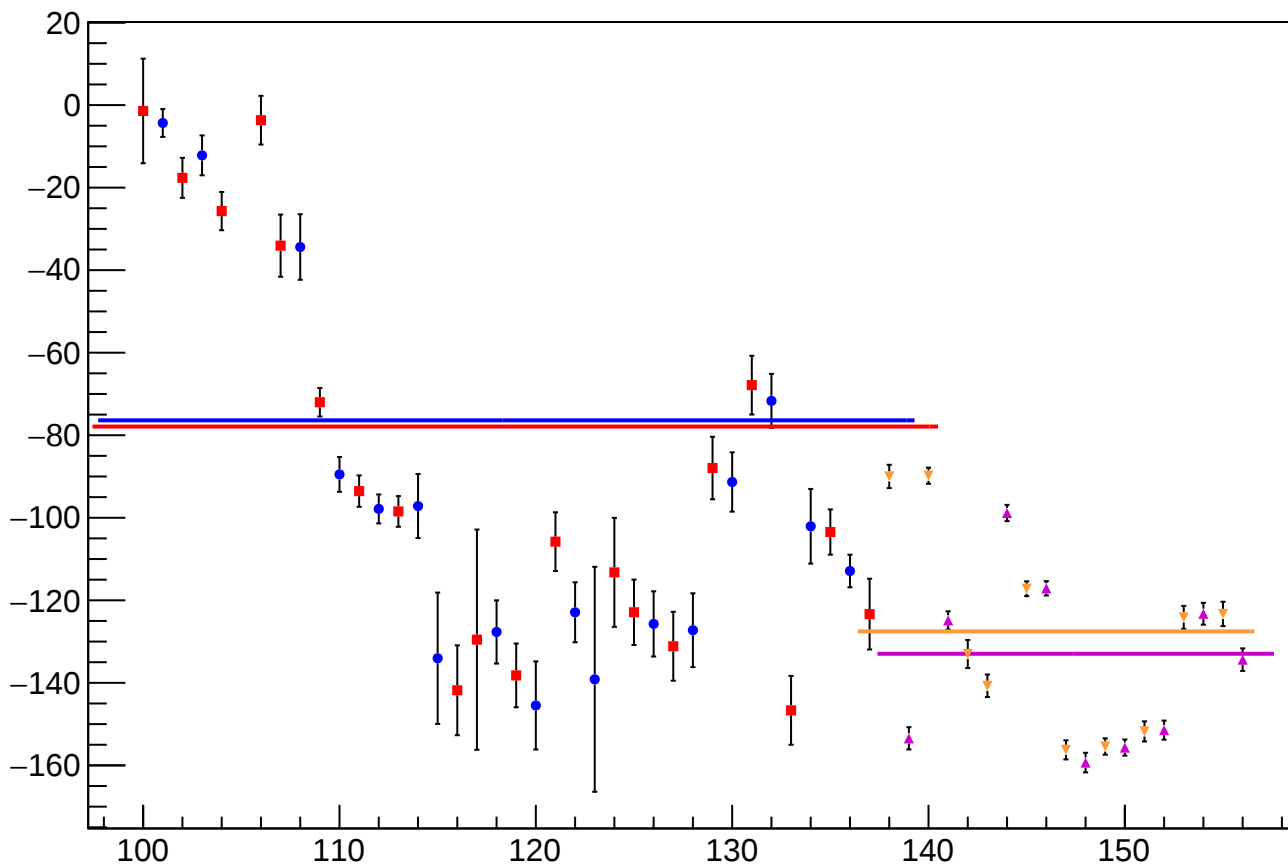
Right Out: 27.620 $\pm$ 0.809 χ^2 /NDF: 1014.4/19

Left In: 21.757 $\pm$ 0.513 χ^2 /NDF: 547.4/8

24.023 $\pm$ 0.433 χ^2 /NDF: 1597.3/26

23.440 $\pm$ 0.434 χ^2 /NDF: 1599.2/28

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 ± 1.416 χ^2/NDF : 1031.9/16

Left Out: -127.537 ± 0.751 χ^2/NDF : 1063.4/9

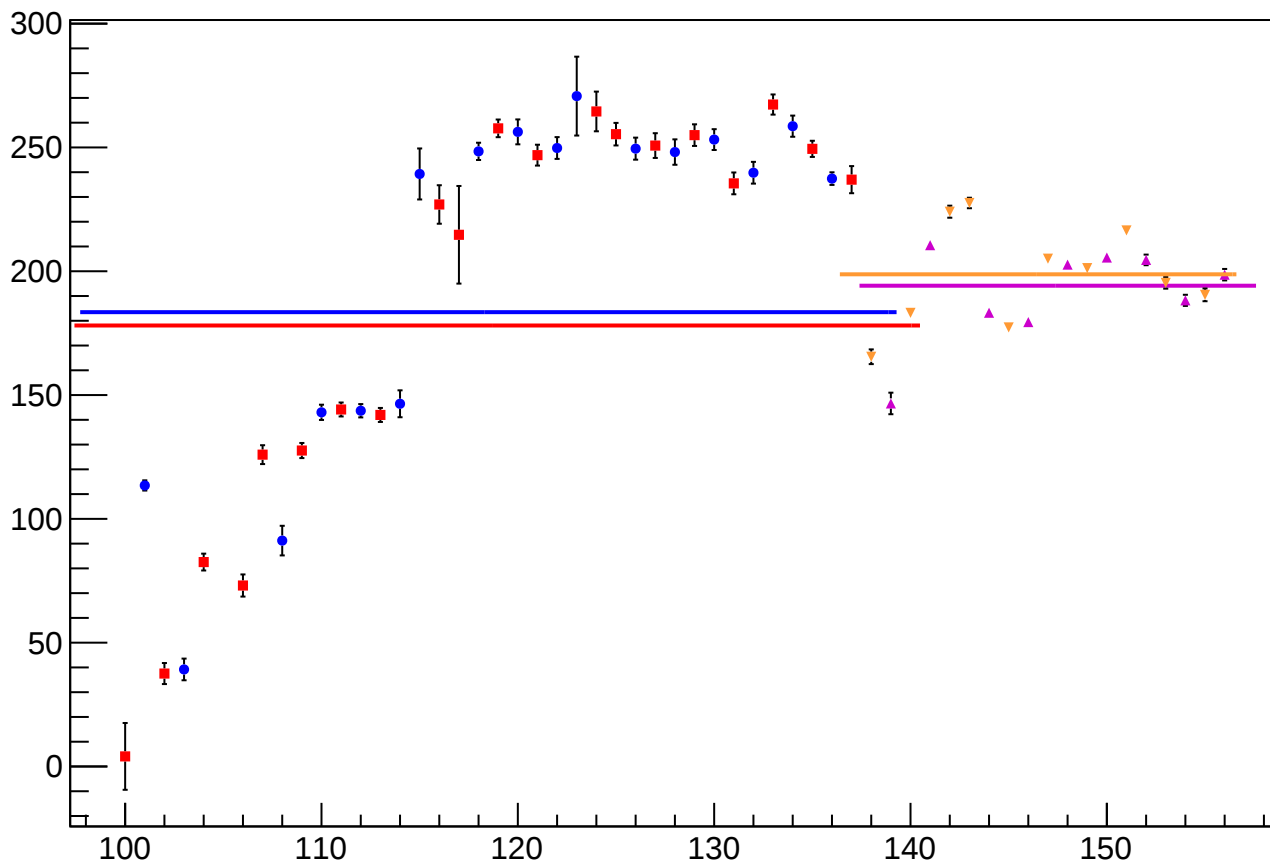
Right Out: -77.894 ± 1.351 χ^2/NDF : 876.4/19

Left In: -132.953 ± 0.739 χ^2/NDF : 789.5/8

-116.307 ± 0.664 χ^2/NDF : 3113.2/26

-120.281 ± 0.648 χ^2/NDF : 2944.4/28

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 198.765 $\pm$ 0.627 χ^2 /NDF: 784.0/9

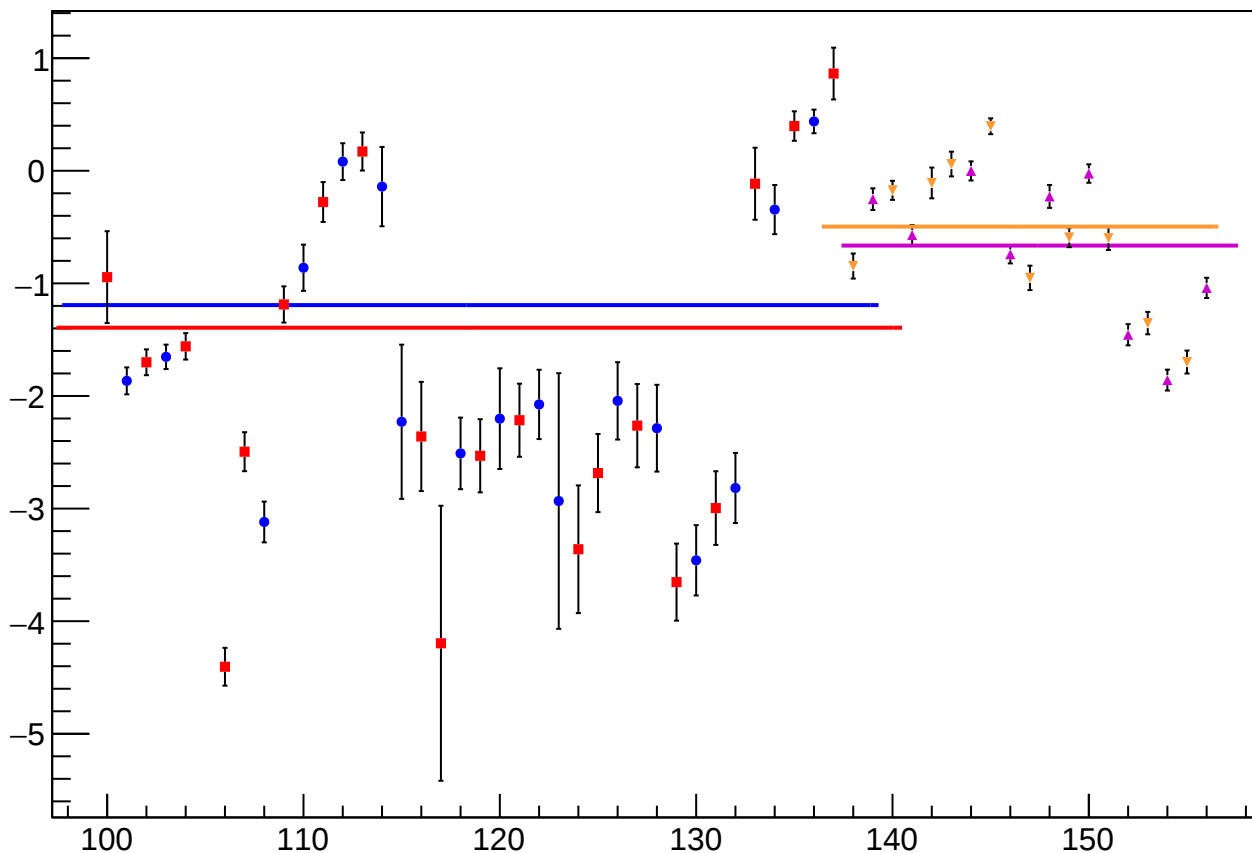
Right Out: 178.092 $\pm$ 0.923 χ^2 /NDF: 6349.2/19

Left In: 194.159 $\pm$ 0.623 χ^2 /NDF: 465.2/8

193.909 $\pm$ 0.518 χ^2 /NDF: 6304.4/26

189.130 $\pm$ 0.516 χ^2 /NDF: 7022.6/28

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.496 ± 0.031 χ^2/NDF : 451.9/9

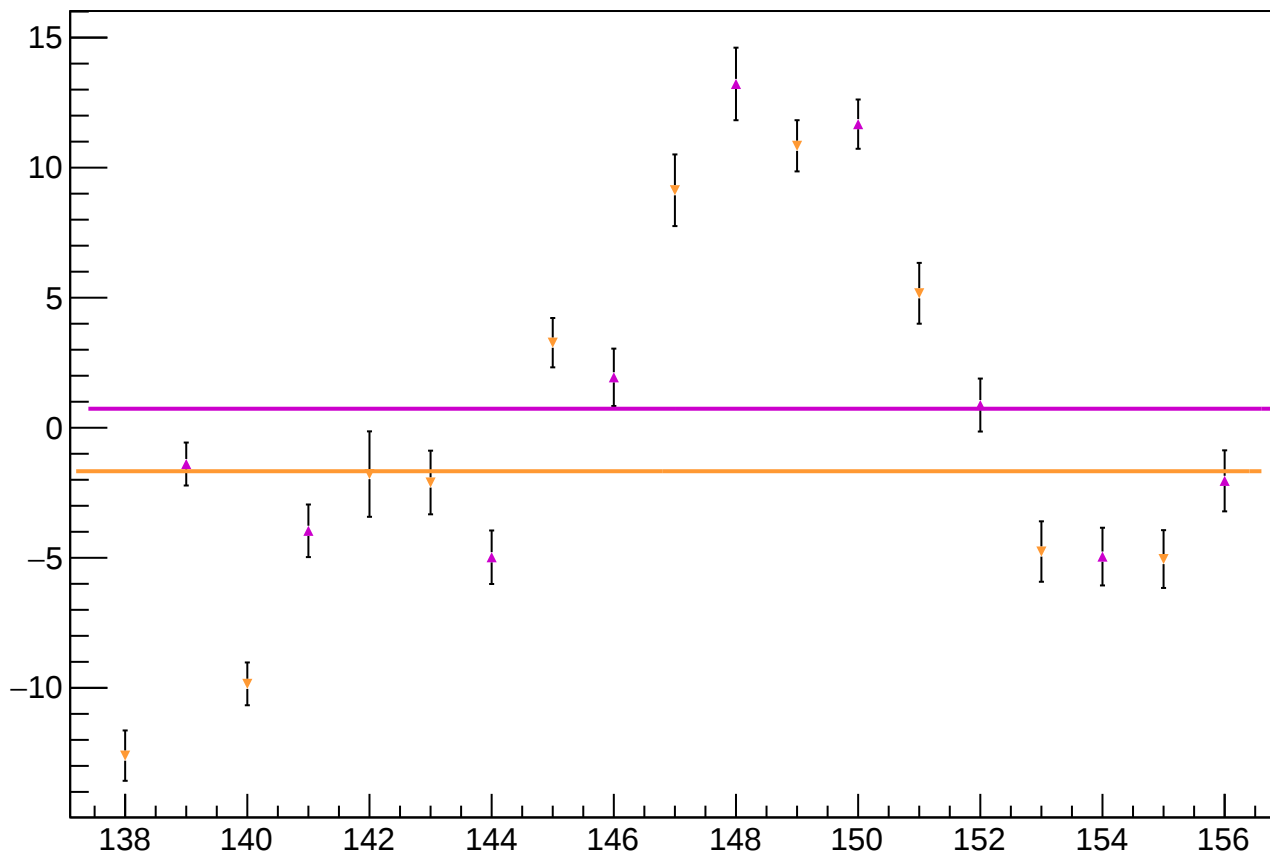
Right Out: -1.393 ± 0.046 χ^2/NDF : 925.8/19

Left In: -0.664 ± 0.030 χ^2/NDF : 414.3/8

-0.696 ± 0.026 χ^2/NDF : 1222.8/26

-0.882 ± 0.025 χ^2/NDF : 1518.0/28

reg_asym_sam5_diff_bpm1X_slope vs Slug



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

Left Out: -1.671+/-0.342 χ^2/NDF : 527.3/9

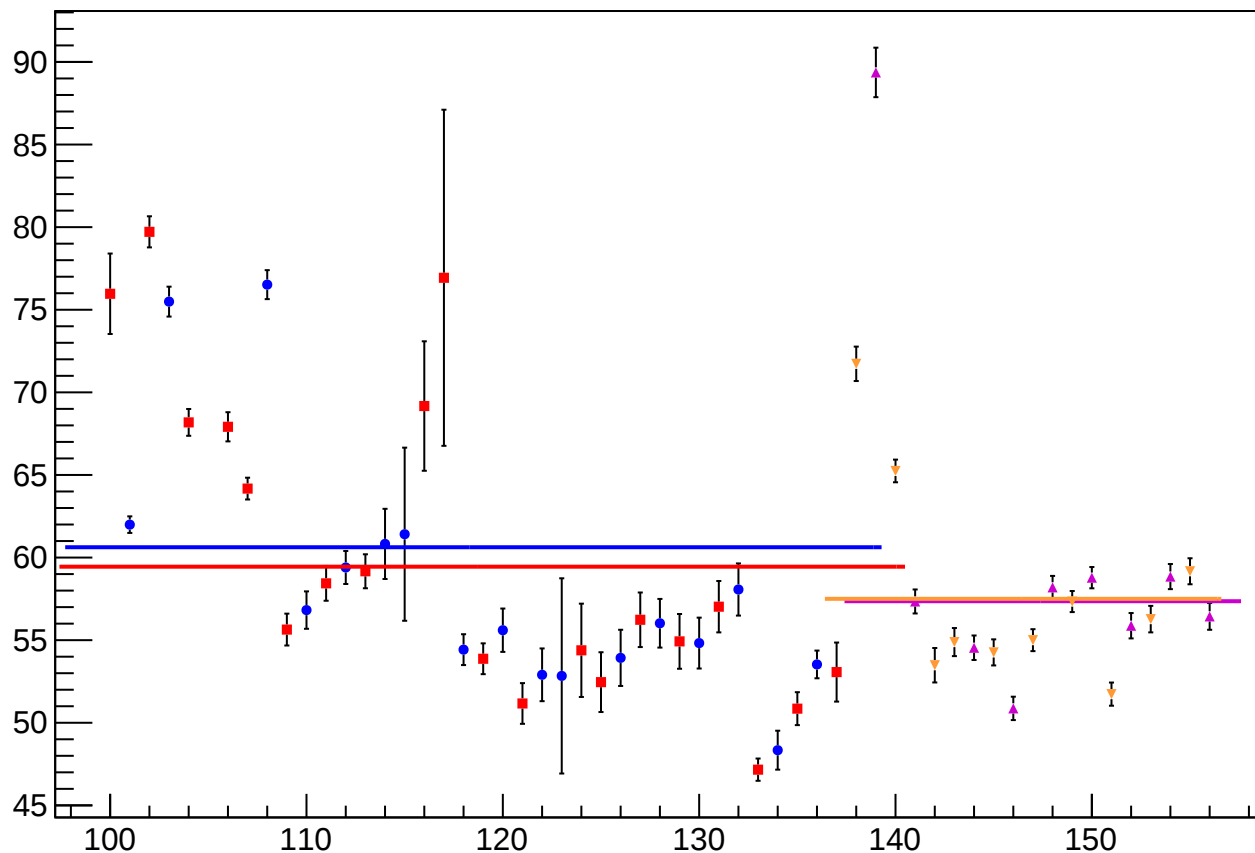
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.731+/-0.346 χ^2/NDF : 305.6/8

-1.671+/-0.342 χ^2/NDF : 527.3/9

0.731+/-0.346 χ^2/NDF : 305.6/8

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 $\pm$ 0.263 χ^2/NDF : 924.6/16

Left Out: 57.503 $\pm$ 0.243 χ^2/NDF : 443.7/9

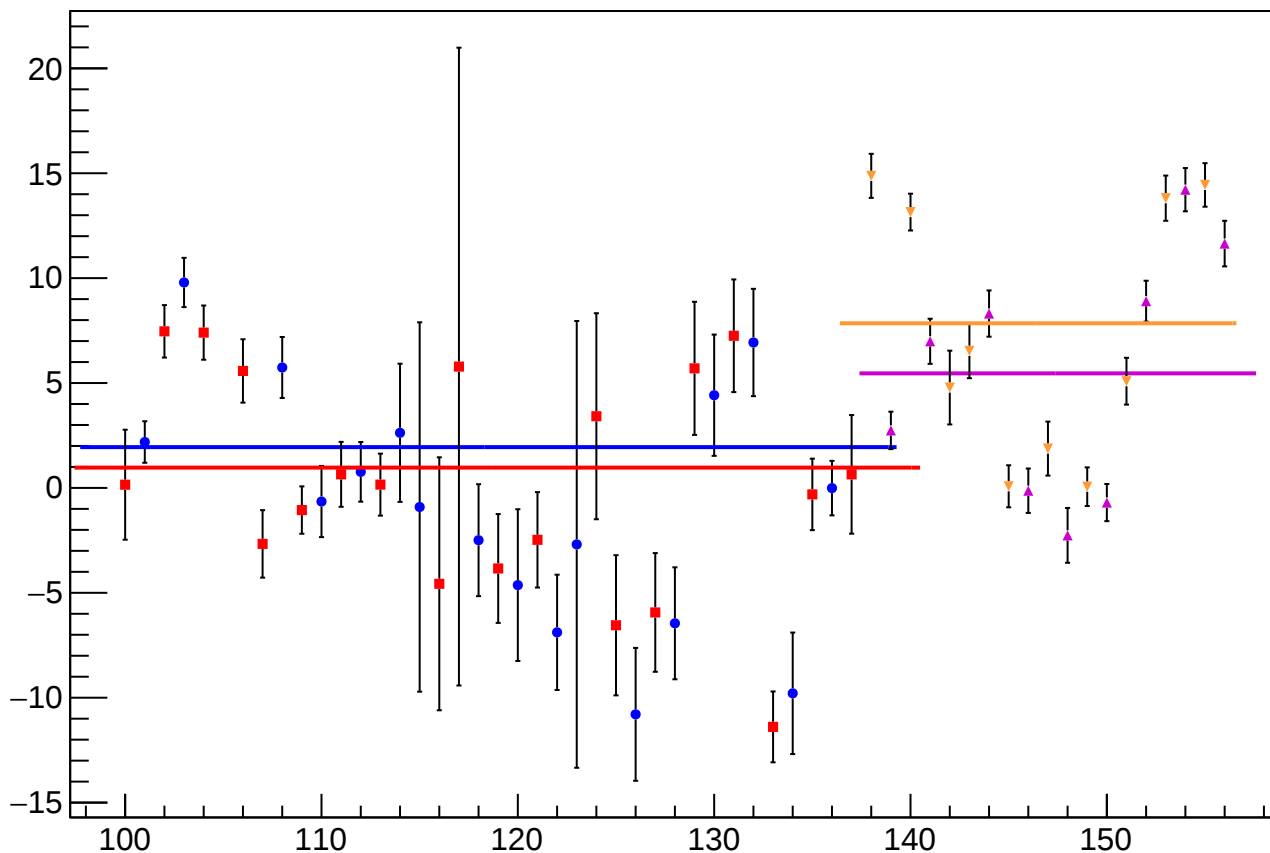
Right Out: 59.448 $\pm$ 0.248 χ^2/NDF : 1326.3/19

Left In: 57.358 $\pm$ 0.253 χ^2/NDF : 570.1/8

58.943 $\pm$ 0.179 χ^2/NDF : 1444.2/26

58.426 $\pm$ 0.177 χ^2/NDF : 1931.2/28

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 7.849 ± 0.343 χ^2/NDF : 315.9/9

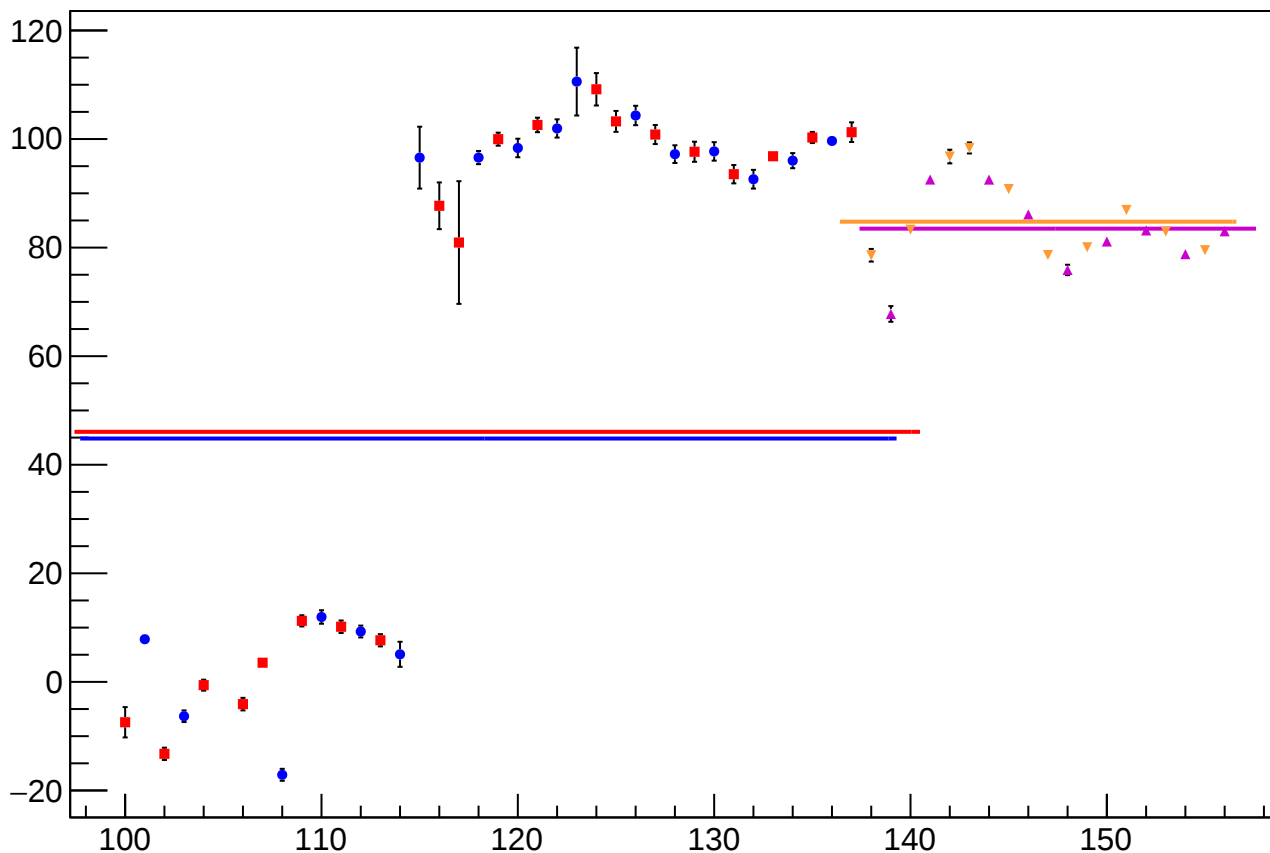
Right Out: 0.968 ± 0.424 χ^2/NDF : 149.6/19

Left In: 5.460 ± 0.342 χ^2/NDF : 246.1/8

5.731 ± 0.275 χ^2/NDF : 542.7/26

3.689 ± 0.266 χ^2/NDF : 463.7/28

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 84.775+/-0.293 χ^2/NDF : 471.7/9

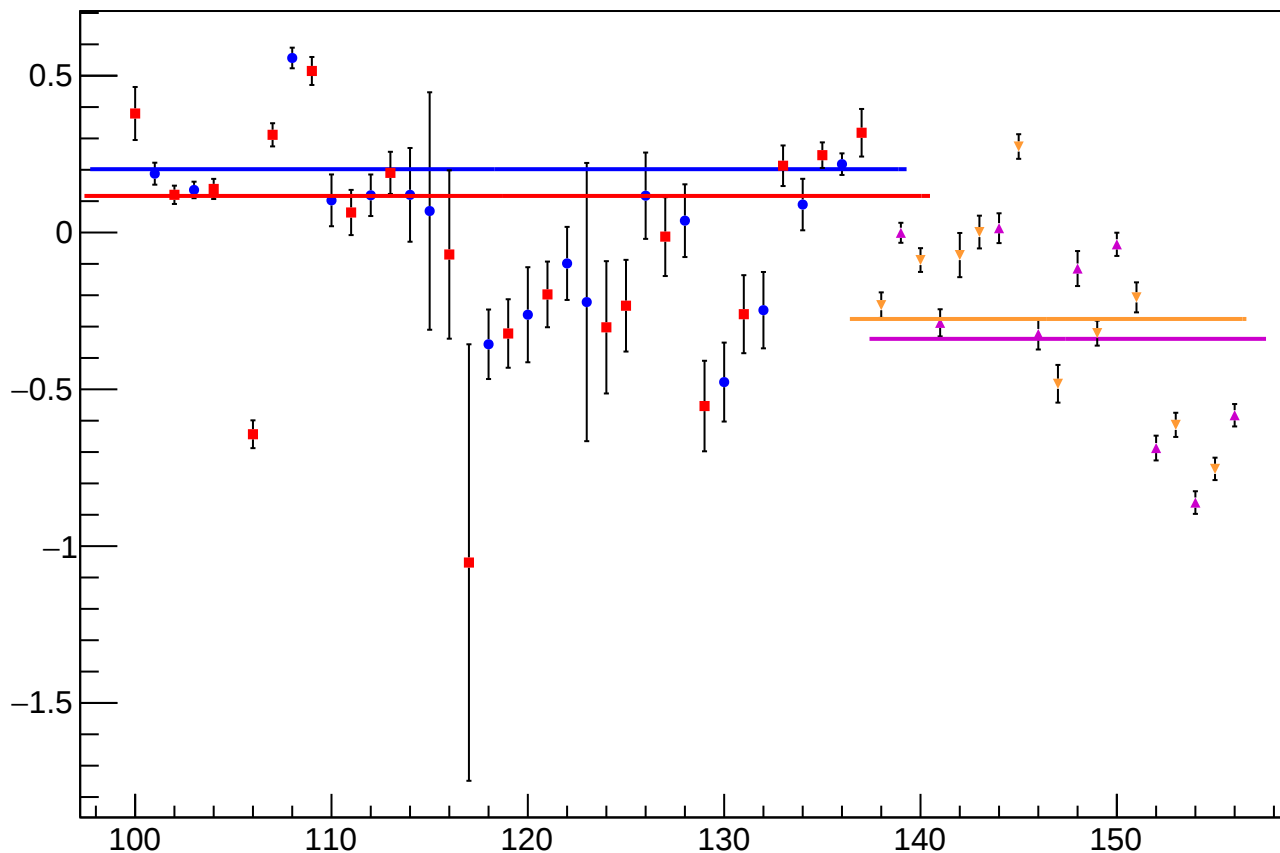
Right Out: 46.062+/-0.289 χ^2/NDF : 28272.9/19

Left In: 83.492+/-0.301 χ^2/NDF : 444.6/8

65.559+/-0.211 χ^2/NDF : 34156.7/26

64.019+/-0.209 χ^2/NDF : 36743.4/28

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.276 ± 0.014 χ^2/NDF : 529.4/9

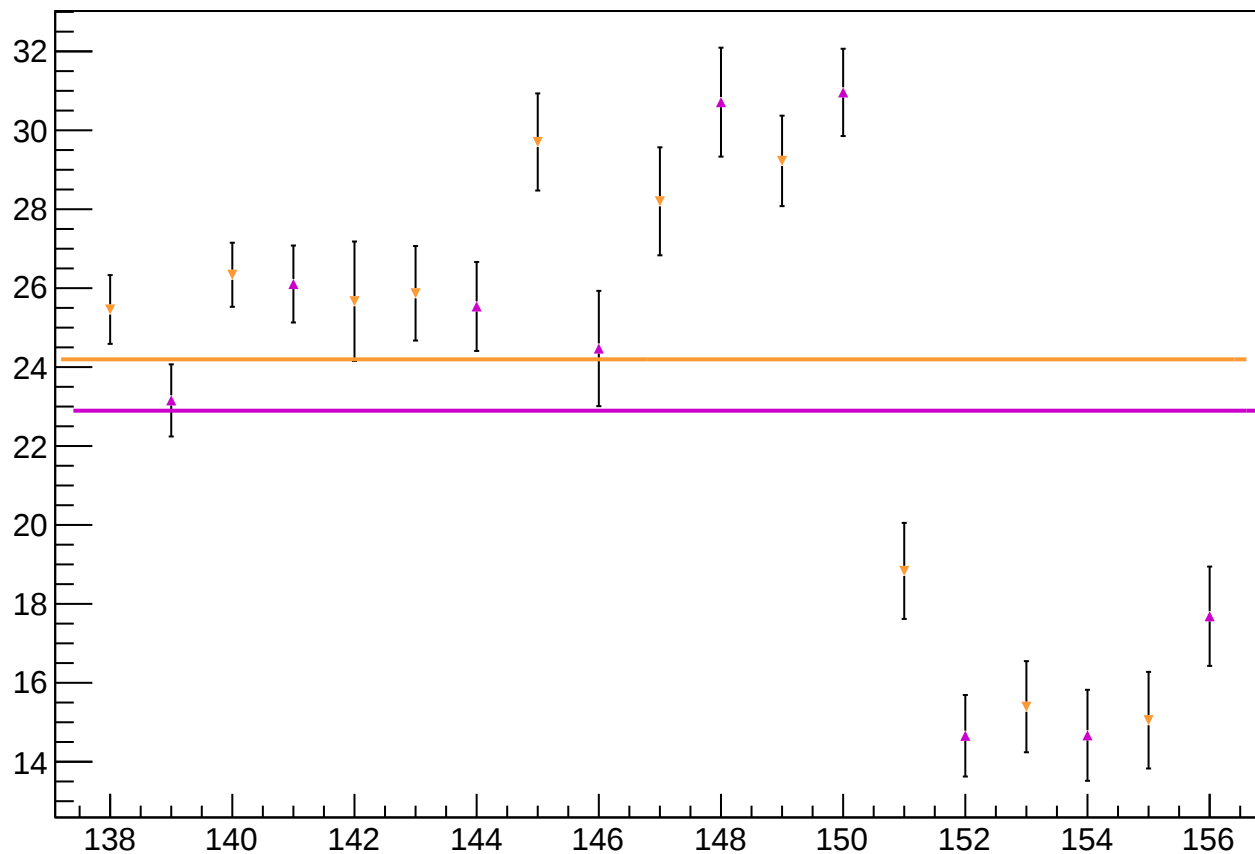
Right Out: 0.117 ± 0.013 χ^2/NDF : 502.5/19

Left In: -0.339 ± 0.013 χ^2/NDF : 584.6/8

-0.043 ± 0.010 χ^2/NDF : 1336.8/26

-0.106 ± 0.009 χ^2/NDF : 1684.0/28

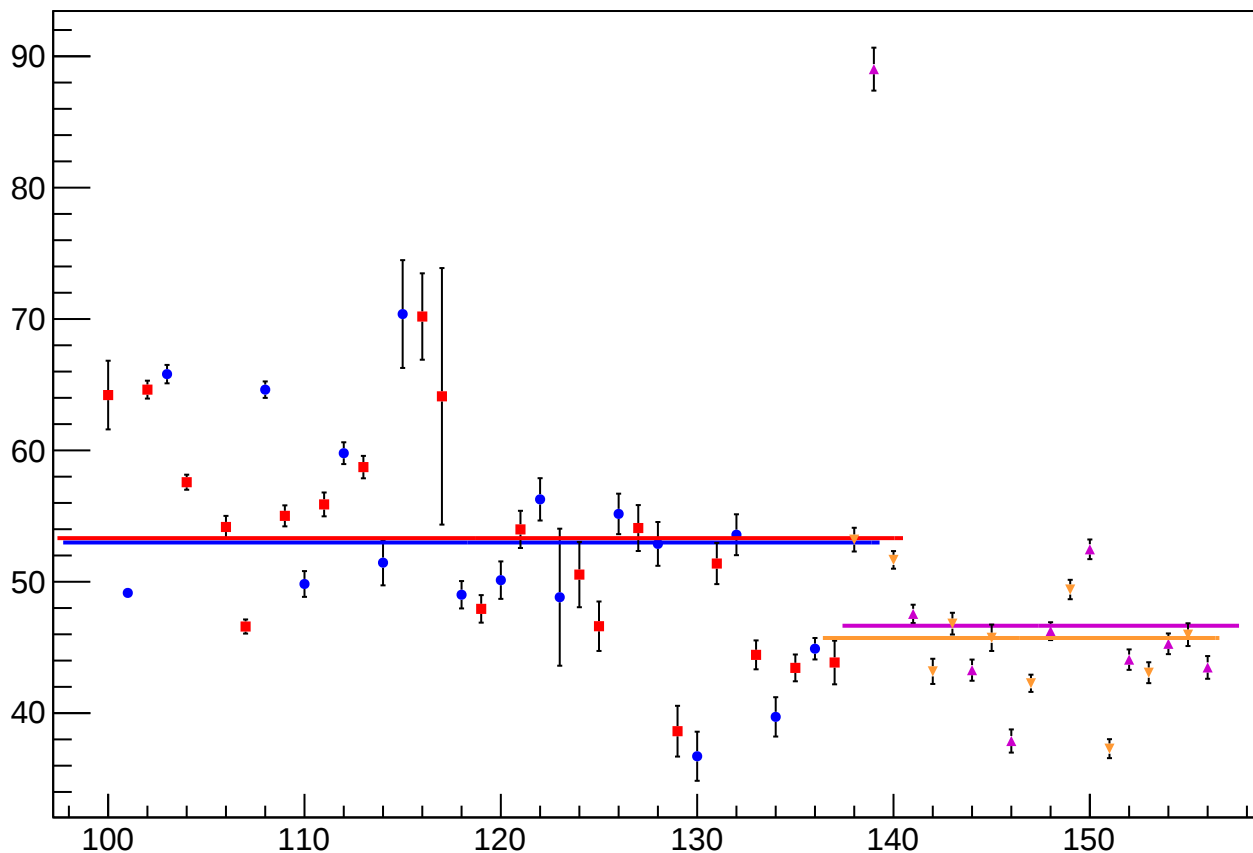
reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left Out: 24.197 $\pm$ 0.353 χ^2 /NDF:193.1/9
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left In: 22.895 $\pm$ 0.373 χ^2 /NDF:234.5/8

24.197 $\pm$ 0.353 χ^2 /NDF: 193.1/9
22.895 $\pm$ 0.373 χ^2 /NDF: 234.5/8

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 45.720 $\pm$ 0.250 χ^2 /NDF:356.2/9

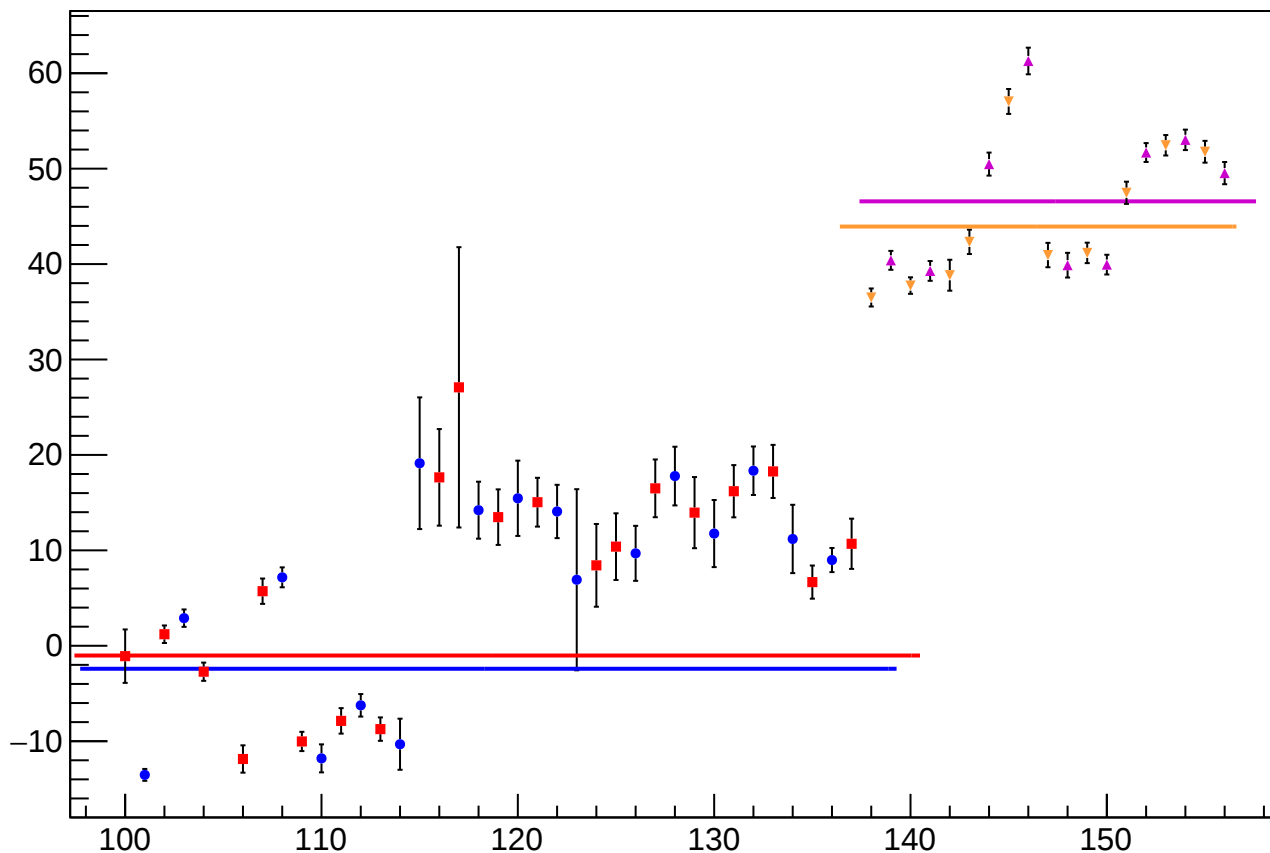
Right Out: 53.320 $\pm$ 0.227 χ^2 /NDF: 876.8/19

Left In: 46.652 $\pm$ 0.269 χ^2 /NDF:878.3/8

49.968 $\pm$ 0.161 χ^2 /NDF: 2048.0/26

50.552 $\pm$ 0.173 χ^2 /NDF: 2114.4/28

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 43.931 ± 0.356 χ^2/NDF : 357.1/9

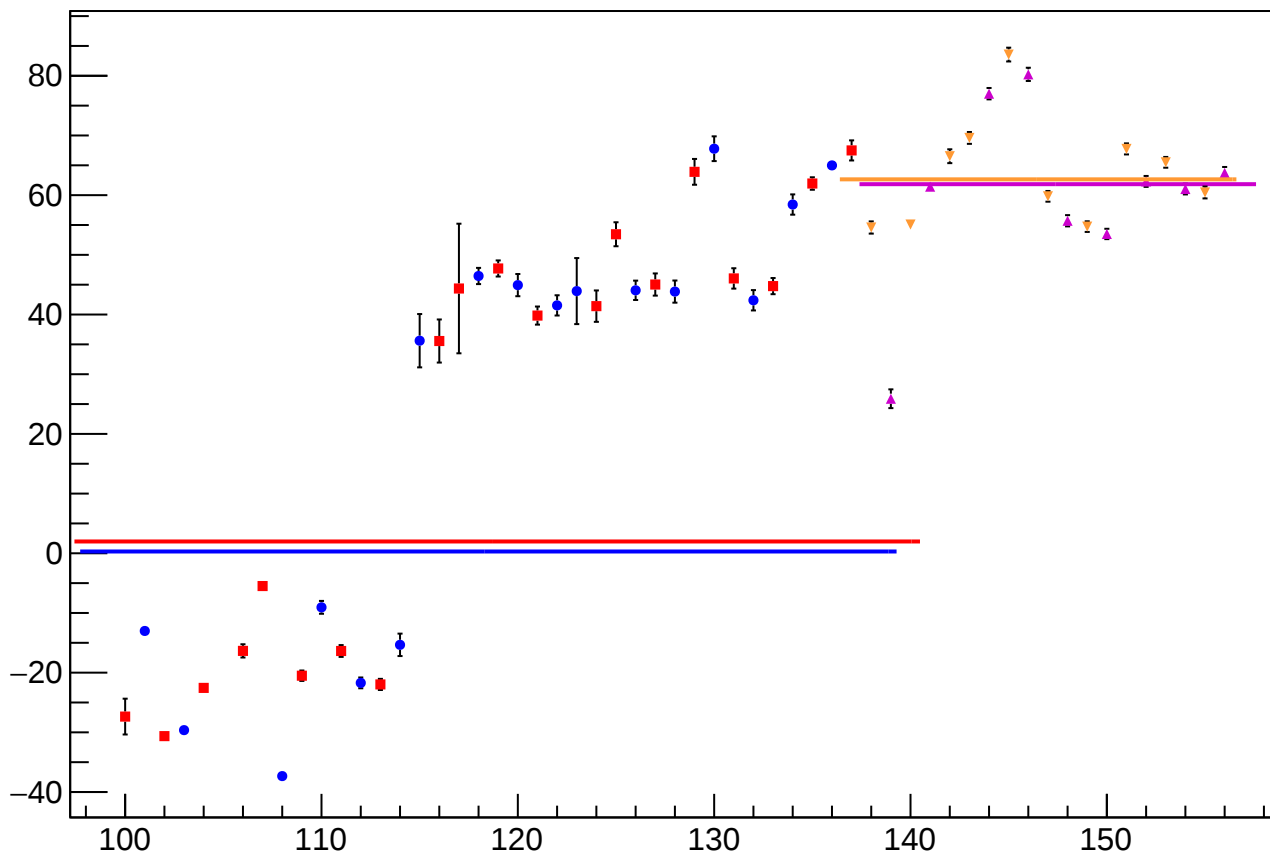
Right Out: -1.021 ± 0.377 χ^2/NDF : 511.2/19

Left In: 46.574 ± 0.370 χ^2/NDF : 347.3/8

21.303 ± 0.255 χ^2/NDF : 9470.1/26

23.234 ± 0.264 χ^2/NDF : 8983.7/28

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 62.650 ± 0.303 χ^2/NDF : 671.4/9

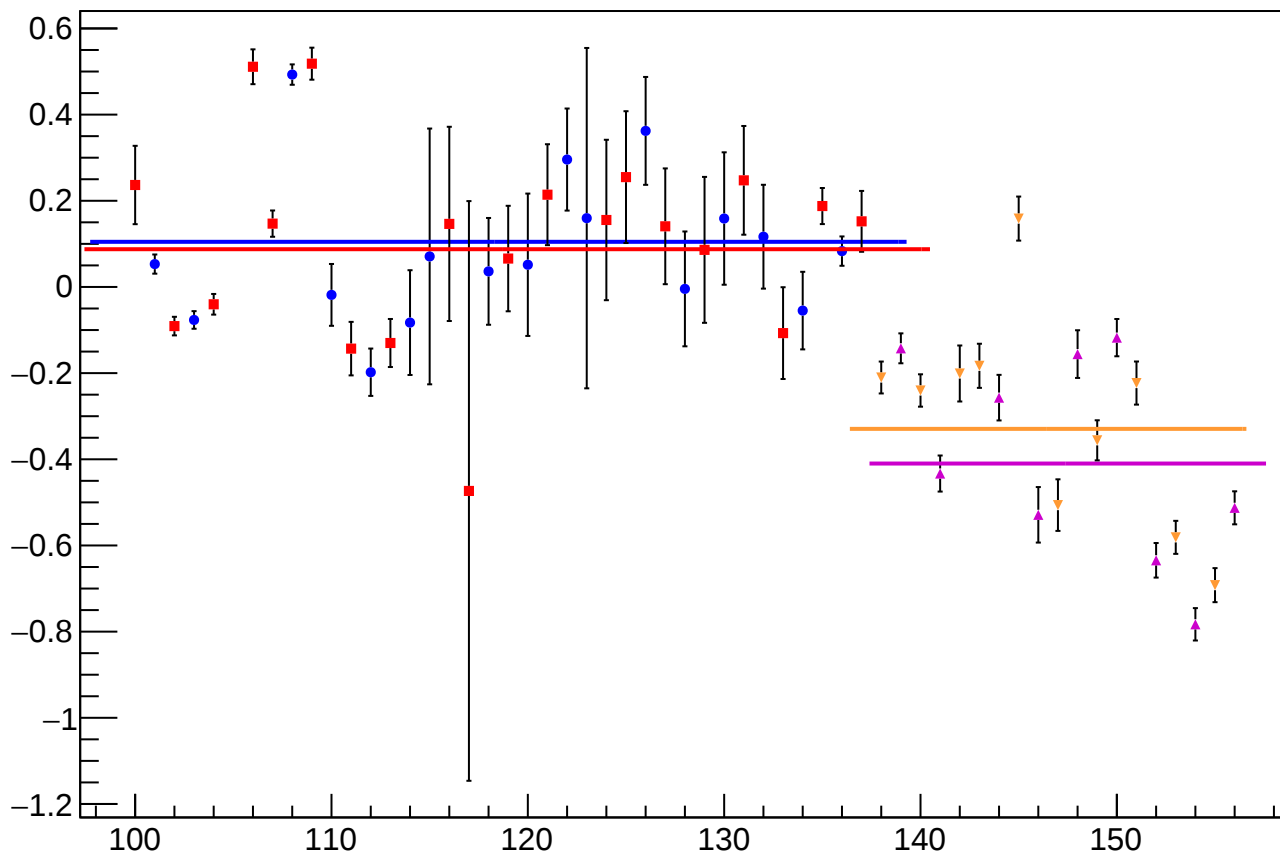
Right Out: 1.978 ± 0.267 χ^2/NDF : 15465.9/19

Left In: 61.840 ± 0.322 χ^2/NDF : 1189.3/8

25.245 ± 0.192 χ^2/NDF : 44337.8/26

26.282 ± 0.205 χ^2/NDF : 37133.1/28

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 $\pm$ 0.011 χ^2 /NDF: 400.8/16

Left Out: -0.329 $\pm$ 0.014 χ^2 /NDF: 260.2/9

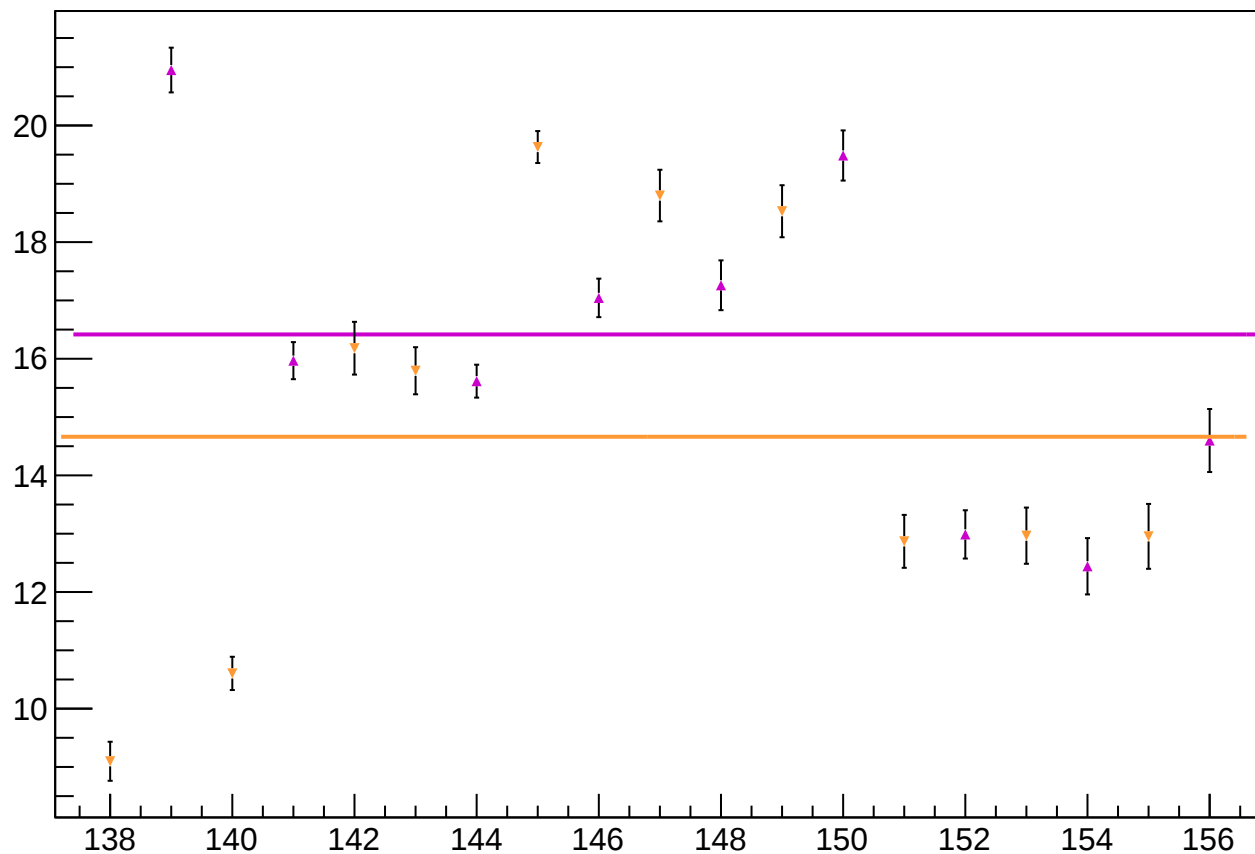
Right Out: 0.088 $\pm$ 0.011 χ^2 /NDF: 391.6/19

Left In: -0.410 $\pm$ 0.014 χ^2 /NDF: 275.1/8

-0.058 $\pm$ 0.009 χ^2 /NDF: 1239.3/26

-0.097 $\pm$ 0.009 χ^2 /NDF: 1424.3/28

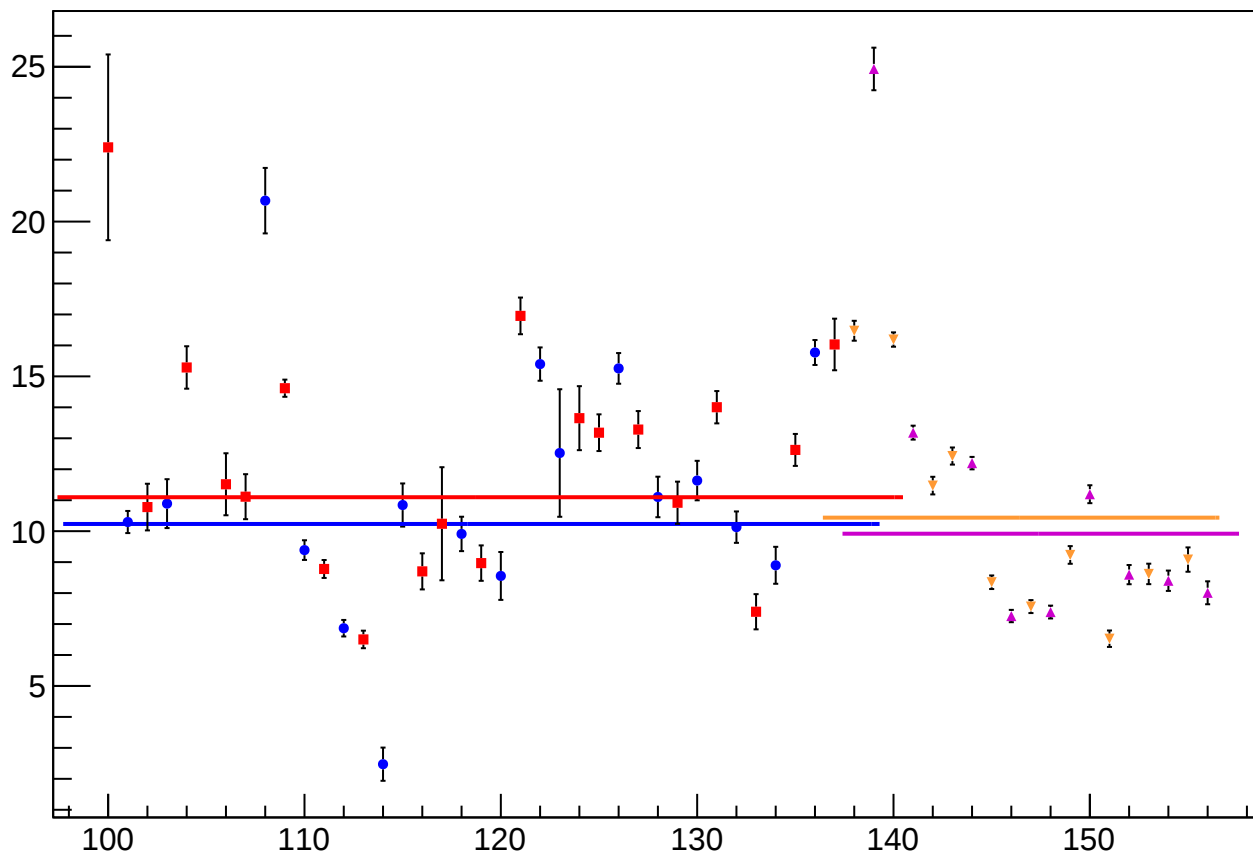
reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 14.662+/-0.121 χ^2/NDF :1026.5/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 16.417+/-0.126 χ^2/NDF :355.8/8

14.662+/-0.121 χ^2/NDF : 1026.5/9
 16.417+/-0.126 χ^2/NDF : 355.8/8

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232+/-0.119 χ^2/NDF : 876.7/16

Left Out: 10.437+/-0.085 χ^2/NDF :1590.4/9

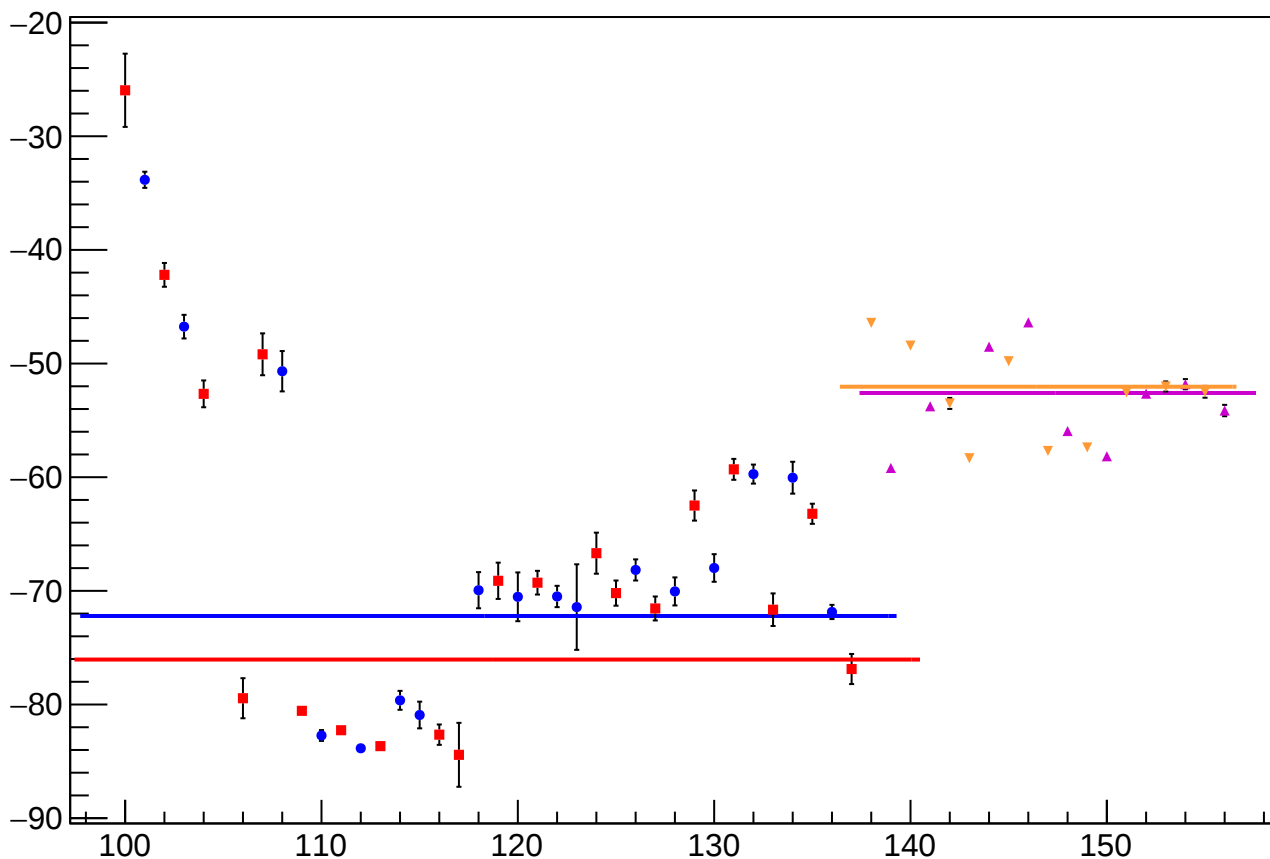
Right Out: 11.096+/-0.116 χ^2/NDF : 818.0/19

Left In: 9.918+/-0.086 χ^2/NDF :1227.8/8

10.368+/-0.069 χ^2/NDF : 2469.1/26

10.338+/-0.069 χ^2/NDF : 2112.1/28

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211 ± 0.198 $\chi^2/\text{NDF}: 5566.2/16$

Left Out: -52.039 ± 0.124 $\chi^2/\text{NDF}: 1016.3/9$

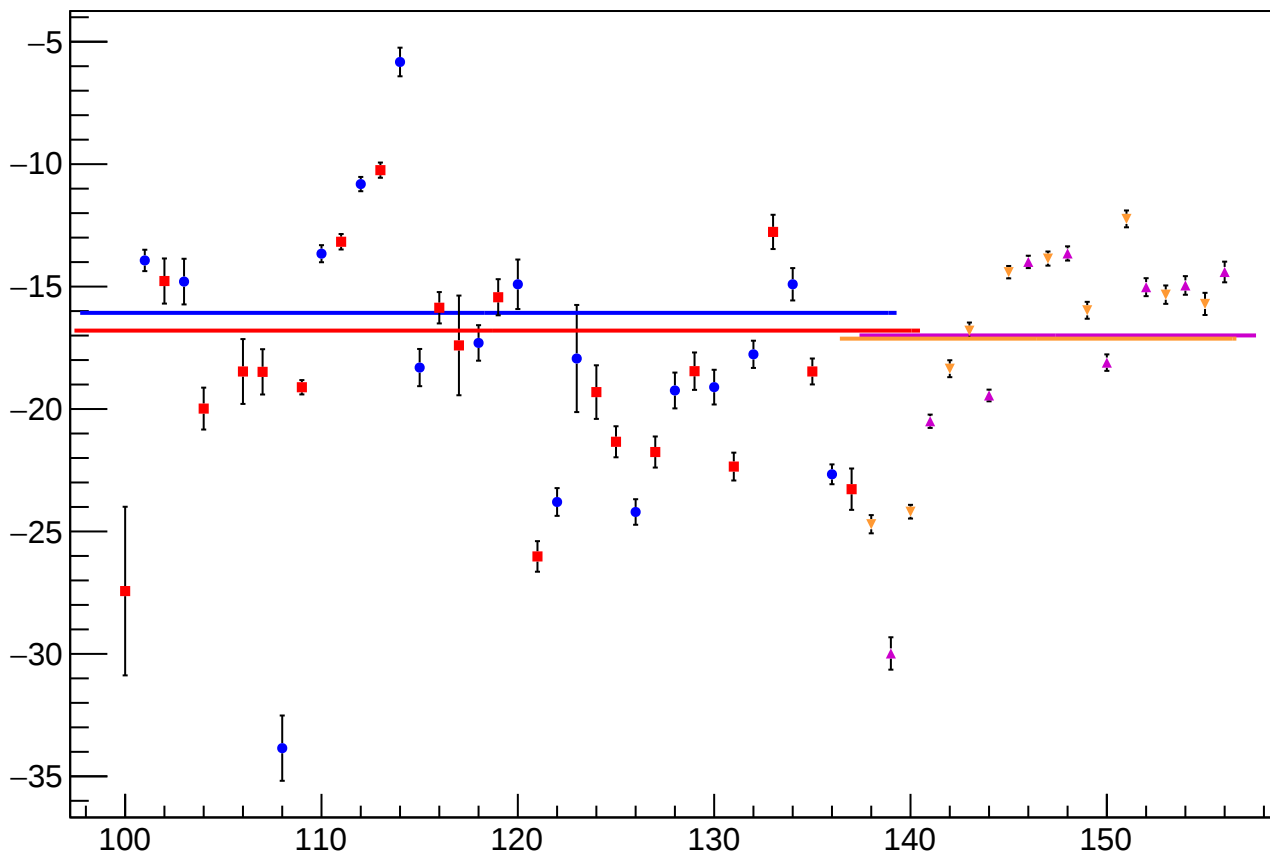
Right Out: -76.044 ± 0.181 $\chi^2/\text{NDF}: 3472.2/19$

Left In: -52.590 ± 0.126 $\chi^2/\text{NDF}: 1103.8/8$

-57.700 ± 0.105 $\chi^2/\text{NDF}: 14049.8/26$

-60.251 ± 0.103 $\chi^2/\text{NDF}: 15931.1/28$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 $\chi^2/\text{NDF}: 1640.5/16$

Left Out: -17.126 ± 0.103 $\chi^2/\text{NDF}: 1553.8/9$

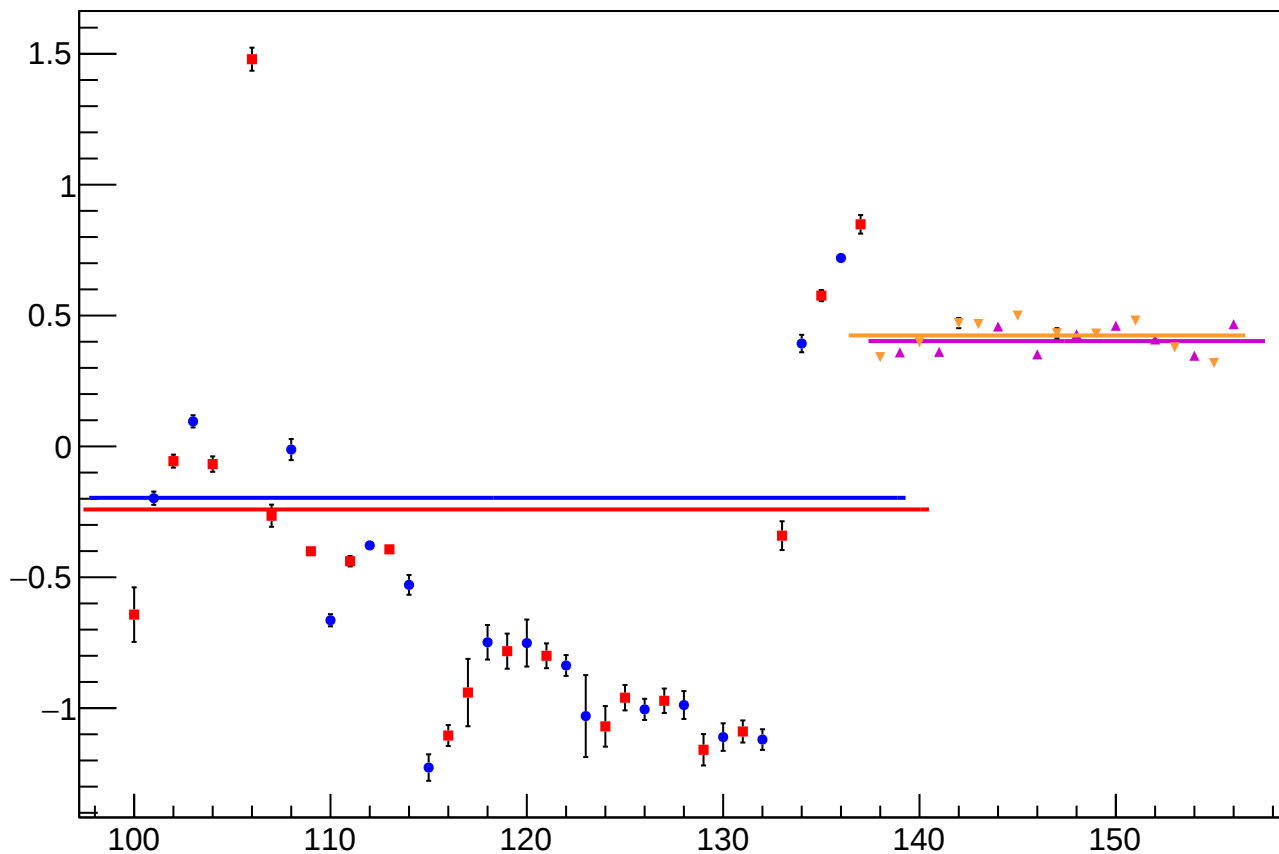
Right Out: -16.797 ± 0.128 $\chi^2/\text{NDF}: 1216.1/19$

Left In: -16.995 ± 0.106 $\chi^2/\text{NDF}: 1036.8/8$

-16.728 ± 0.081 $\chi^2/\text{NDF}: 3233.6/26$

-16.915 ± 0.081 $\chi^2/\text{NDF}: 2254.4/28$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.424 ± 0.005 χ^2/NDF : 144.6/9

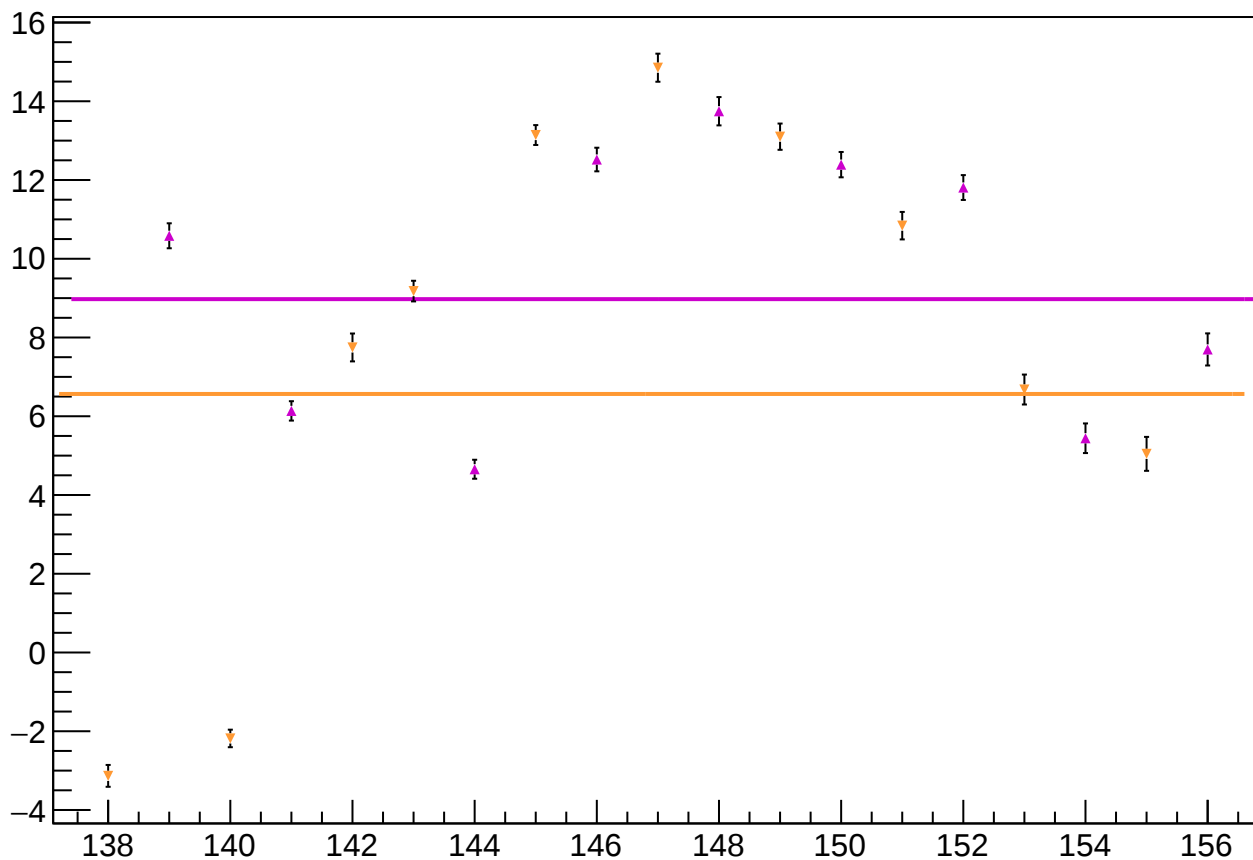
Right Out: -0.241 ± 0.007 χ^2/NDF : 6218.3/19

Left In: 0.402 ± 0.005 χ^2/NDF : 90.1/8

0.234 ± 0.004 χ^2/NDF : 11154.0/26

0.188 ± 0.004 χ^2/NDF : 11676.7/28

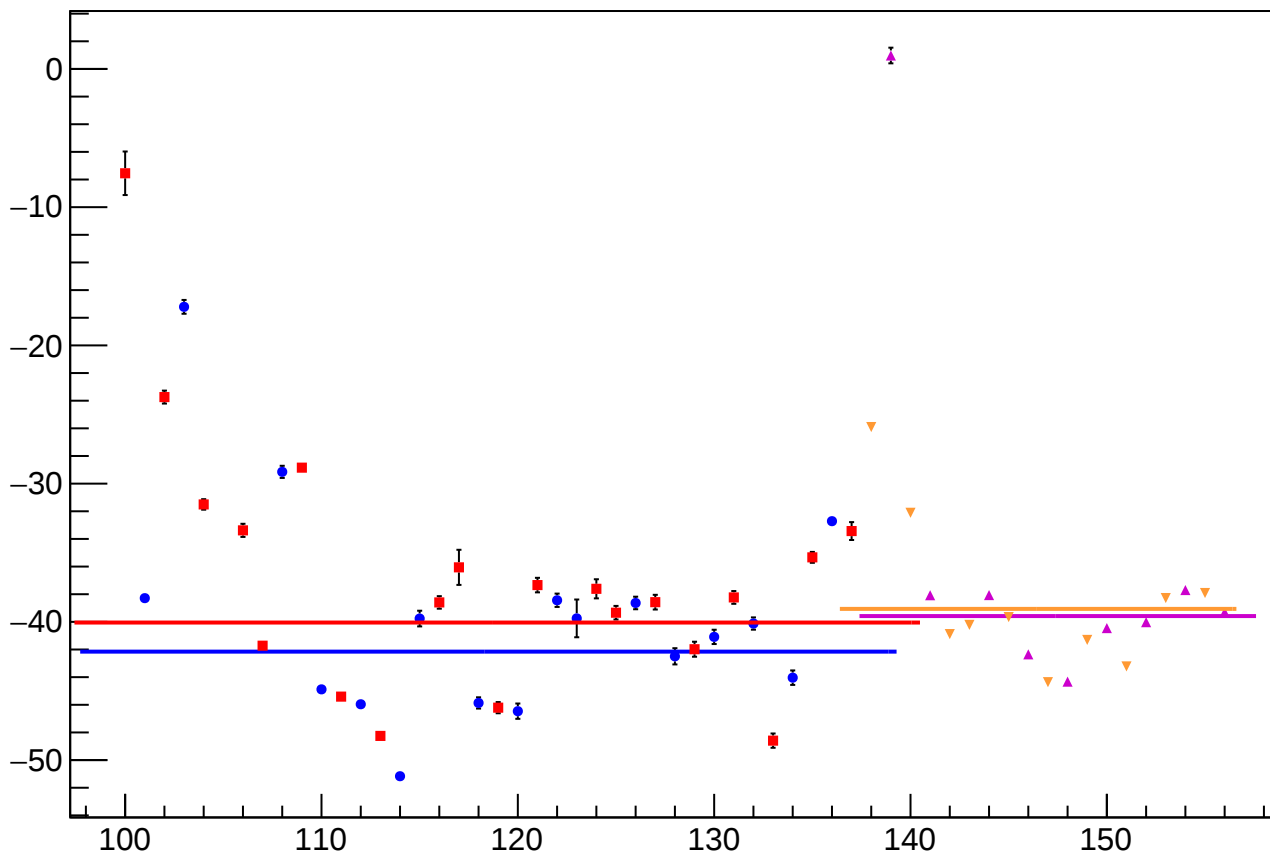
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 6.566+/-0.096 χ^2/NDF : 4640.4/9
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 8.974+/-0.102 χ^2/NDF : 1087.3/8

6.566+/-0.096 χ^2/NDF : 4640.4/9
8.974+/-0.102 χ^2/NDF : 1087.3/8

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -39.061 ± 0.067 χ^2/NDF : 5496.5/9

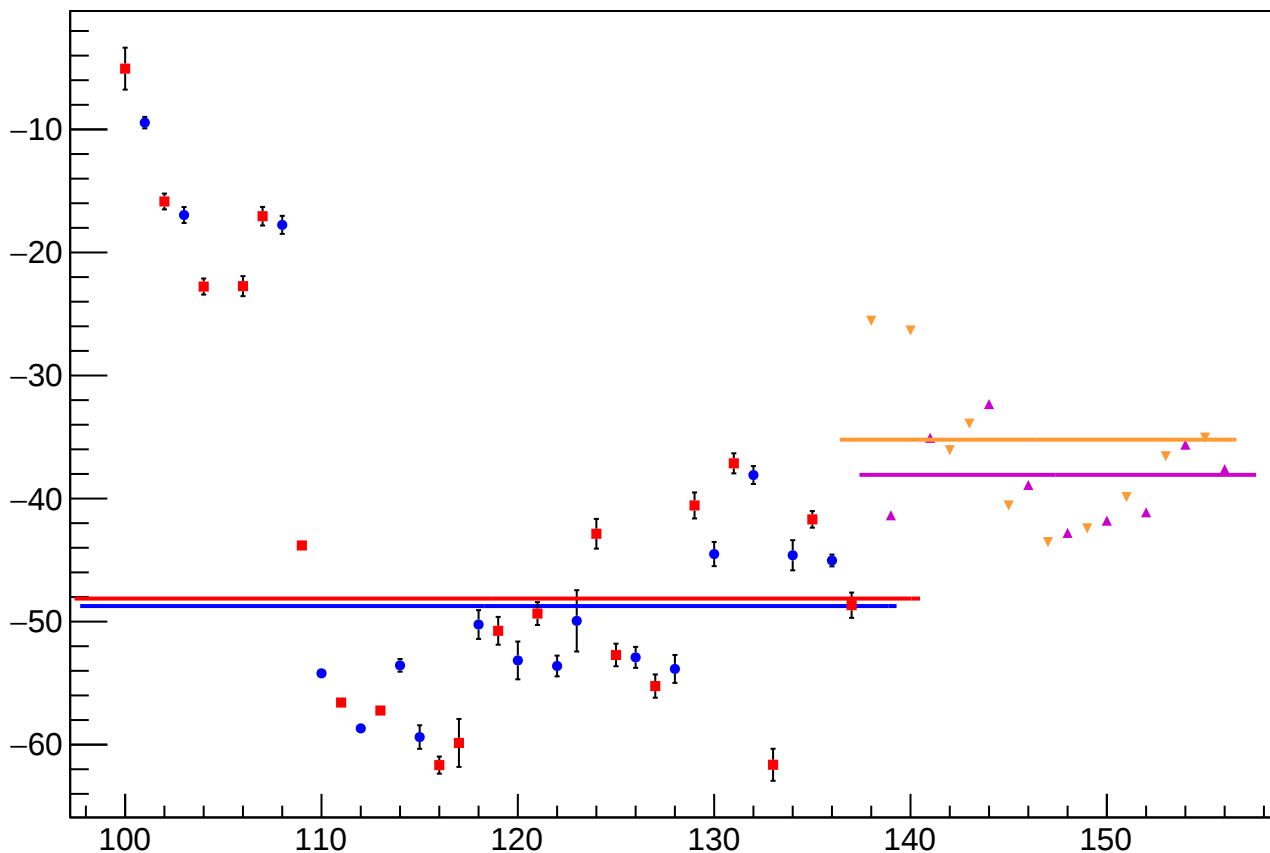
Right Out: -40.049 ± 0.073 χ^2/NDF : 11332.1/19

Left In: -39.581 ± 0.071 χ^2/NDF : 6293.8/8

-40.367 ± 0.051 χ^2/NDF : 12961.5/26

-39.810 ± 0.051 χ^2/NDF : 17647.2/28

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 $\pm$ 0.125 χ^2/NDF : 14658.1/16

Left Out: -35.213 $\pm$ 0.098 χ^2/NDF : 4223.8/9

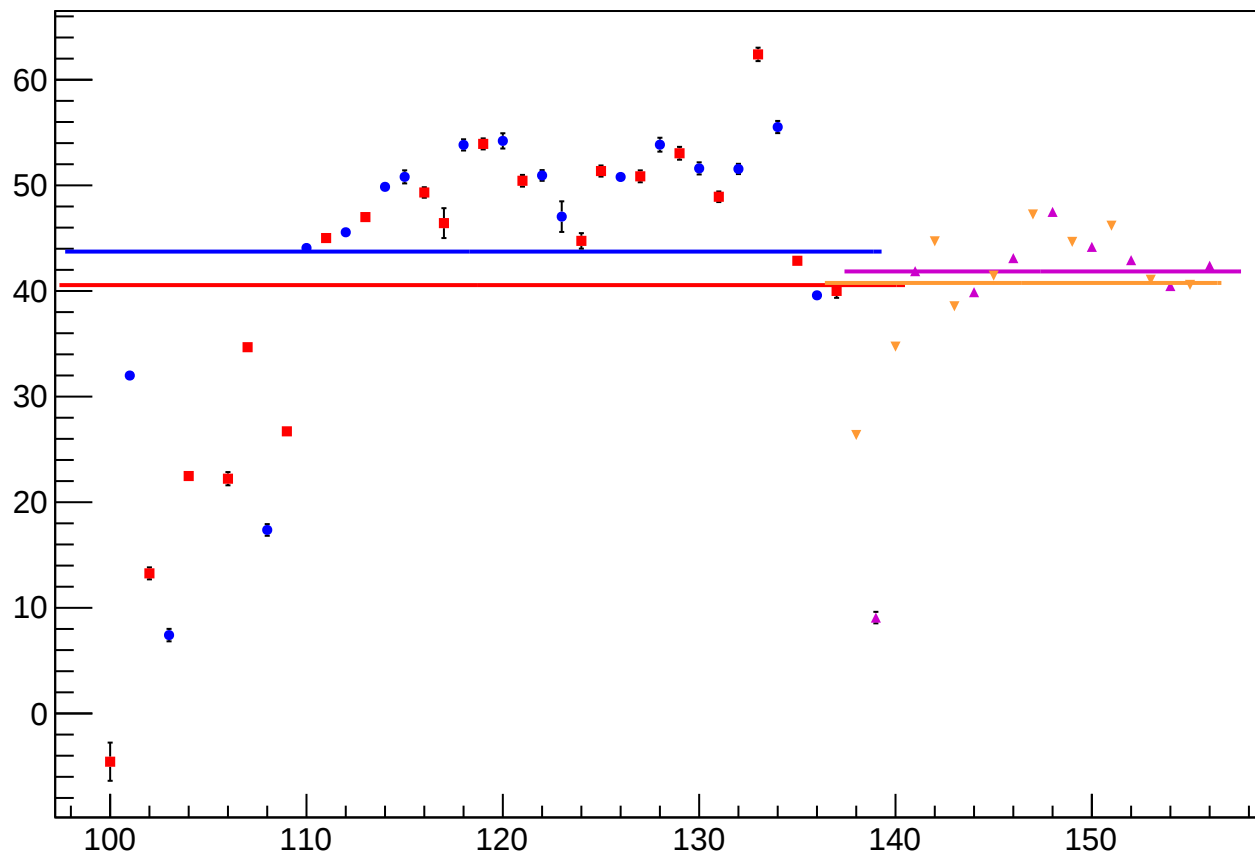
Right Out: -48.127 $\pm$ 0.107 χ^2/NDF : 11769.6/19

Left In: -38.073 $\pm$ 0.102 χ^2/NDF : 1230.9/8

-40.359 $\pm$ 0.077 χ^2/NDF : 26184.1/26

-42.855 $\pm$ 0.074 χ^2/NDF : 17624.2/28

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731 ± 0.087 $\chi^2/\text{NDF}: 10567.7/16$

Left Out: 40.762 ± 0.081 $\chi^2/\text{NDF}: 4646.8/9$

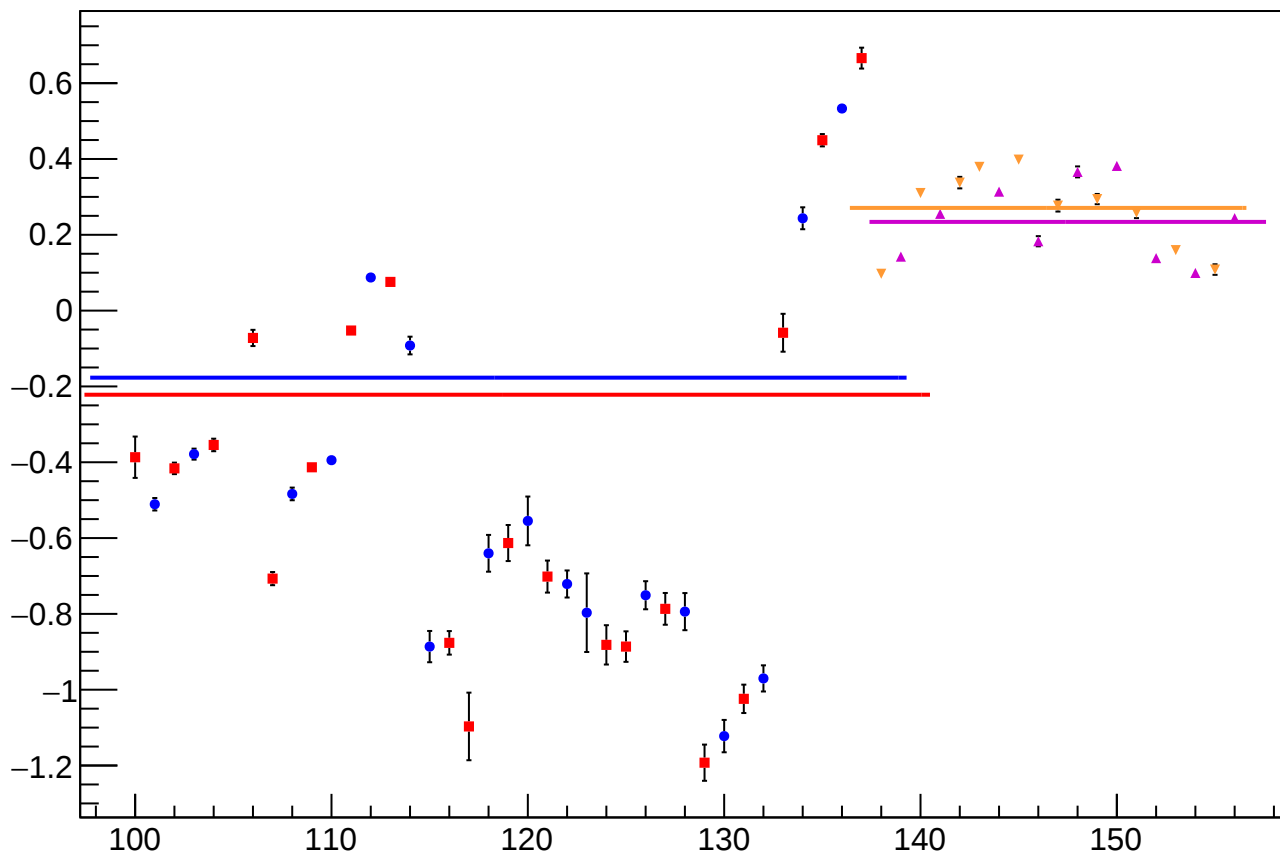
Right Out: 40.556 ± 0.080 $\chi^2/\text{NDF}: 17618.6/19$

Left In: 41.850 ± 0.086 $\chi^2/\text{NDF}: 4389.0/8$

42.149 ± 0.059 $\chi^2/\text{NDF}: 15837.3/26$

41.156 ± 0.059 $\chi^2/\text{NDF}: 22128.6/28$

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.271 ± 0.004 χ^2/NDF : 703.2/9

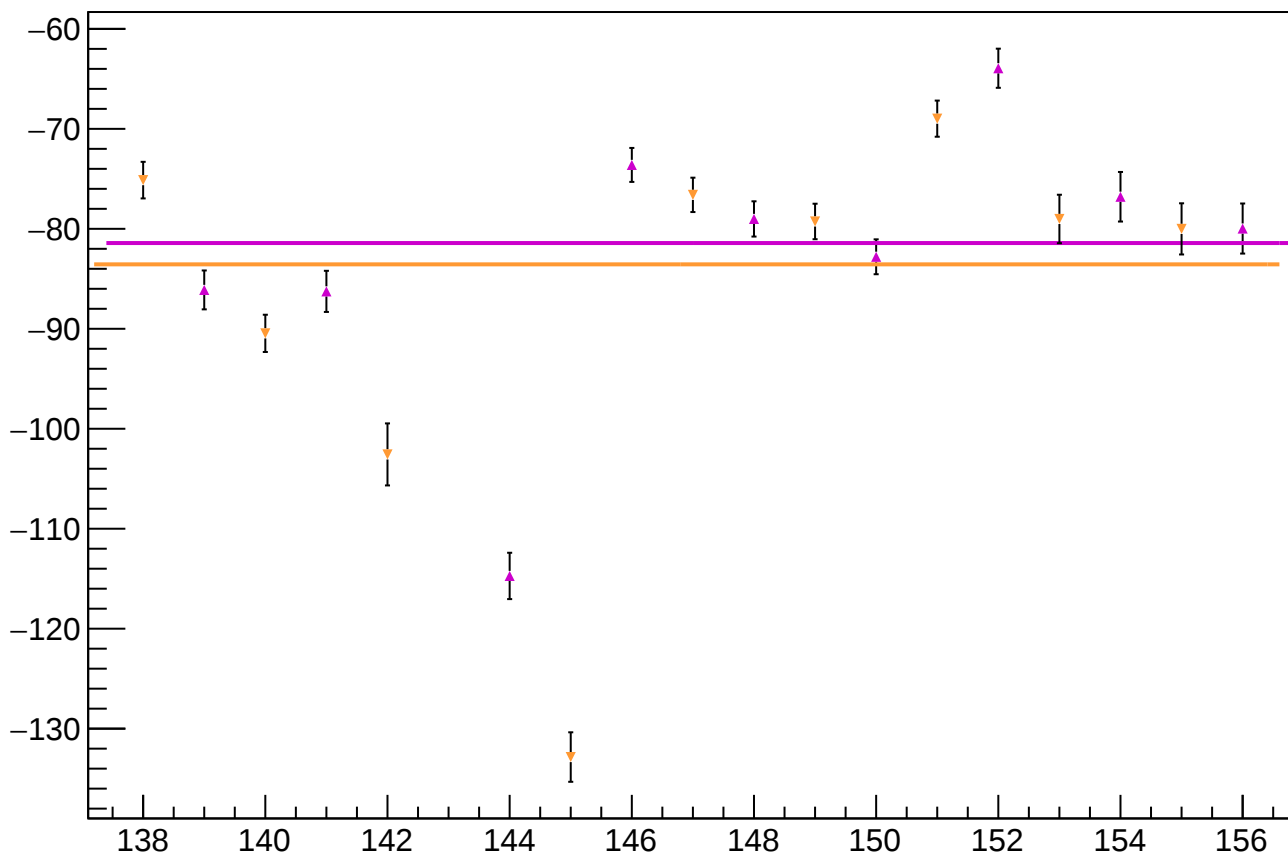
Right Out: -0.222 ± 0.004 χ^2/NDF : 7527.0/19

Left In: 0.234 ± 0.004 χ^2/NDF : 528.6/8

0.091 ± 0.003 χ^2/NDF : 13187.5/26

0.018 ± 0.003 χ^2/NDF : 13975.0/28

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -83.555+/-0.684 χ^2/NDF : 561.4/8

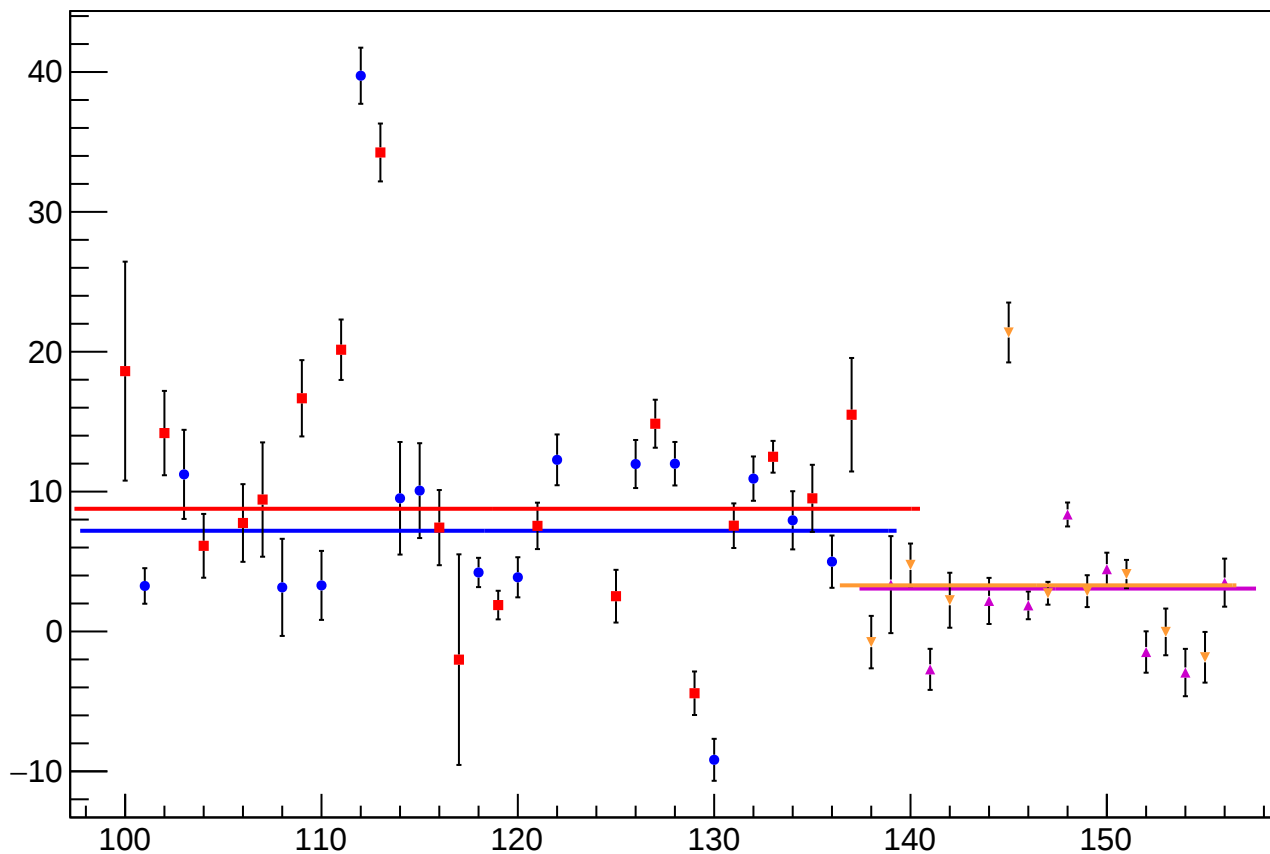
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -81.423+/-0.664 χ^2/NDF : 325.0/8

-83.555+/-0.684 χ^2/NDF : 561.4/8

-81.423+/-0.664 χ^2/NDF : 325.0/8

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 $\pm$ 0.440 χ^2/NDF : 443.8/15

Left Out: 3.298 $\pm$ 0.443 χ^2/NDF : 90.6/8

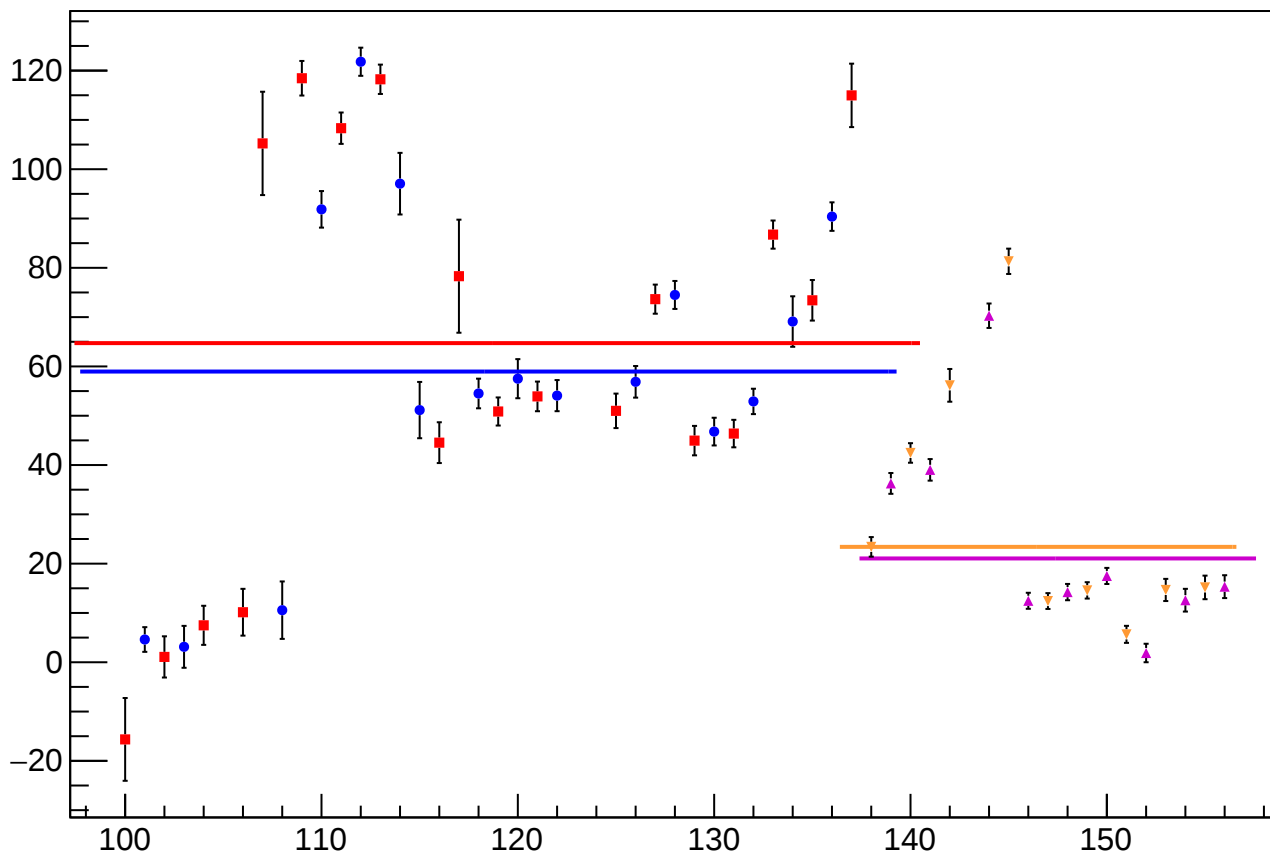
Right Out: 8.772 $\pm$ 0.447 χ^2/NDF : 351.7/18

Left In: 3.066 $\pm$ 0.440 χ^2/NDF : 78.9/8

5.262 $\pm$ 0.312 χ^2/NDF : 573.5/24

5.875 $\pm$ 0.314 χ^2/NDF : 513.4/27

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 23.404 $\pm$ 0.673 χ^2 /NDF:905.4/8

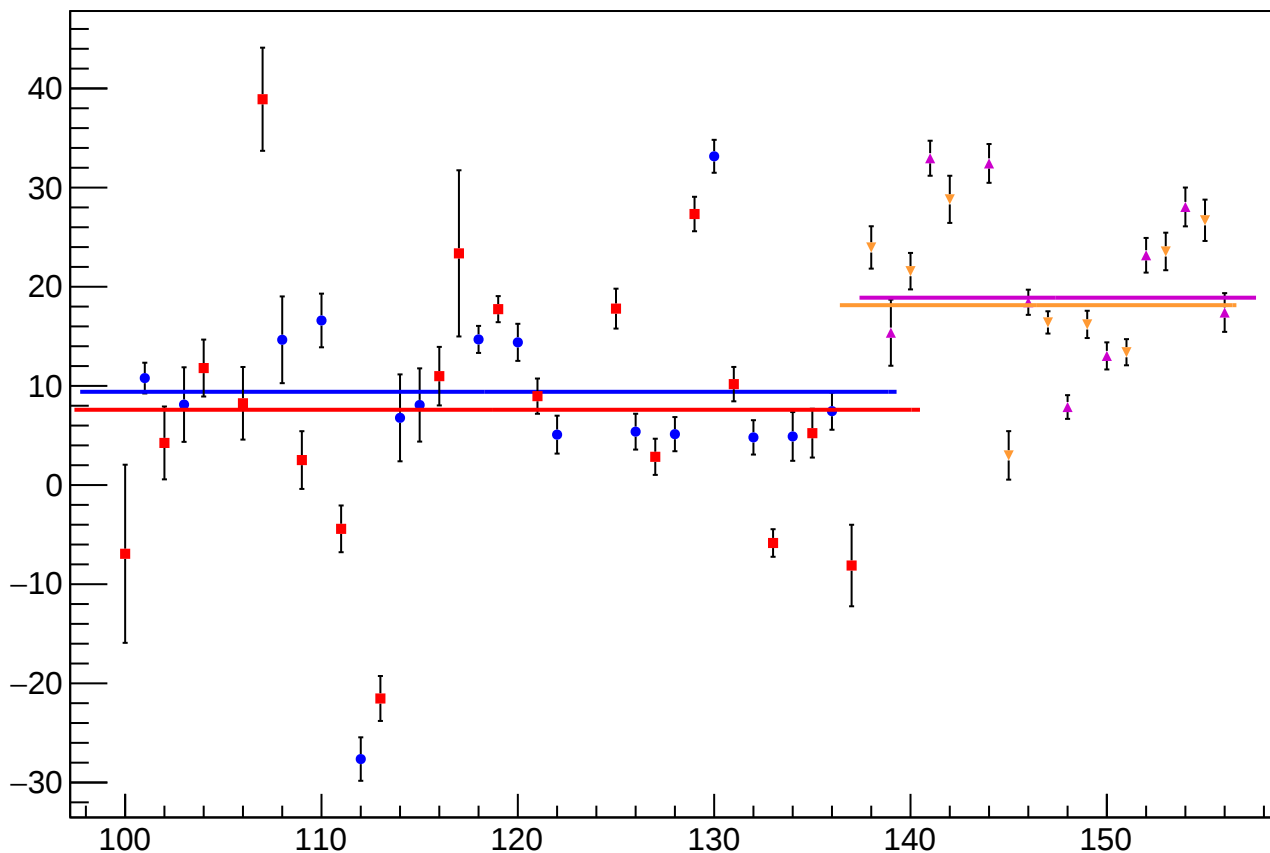
Right Out: 64.728 $\pm$ 0.838 χ^2 /NDF: 1723.2/18

Left In: 21.053 $\pm$ 0.649 χ^2 /NDF:688.0/8

37.361 $\pm$ 0.524 χ^2 /NDF: 3498.4/24

37.428 $\pm$ 0.513 χ^2 /NDF: 4109.9/27

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 18.141 ± 0.554 χ^2/NDF : 111.8/8

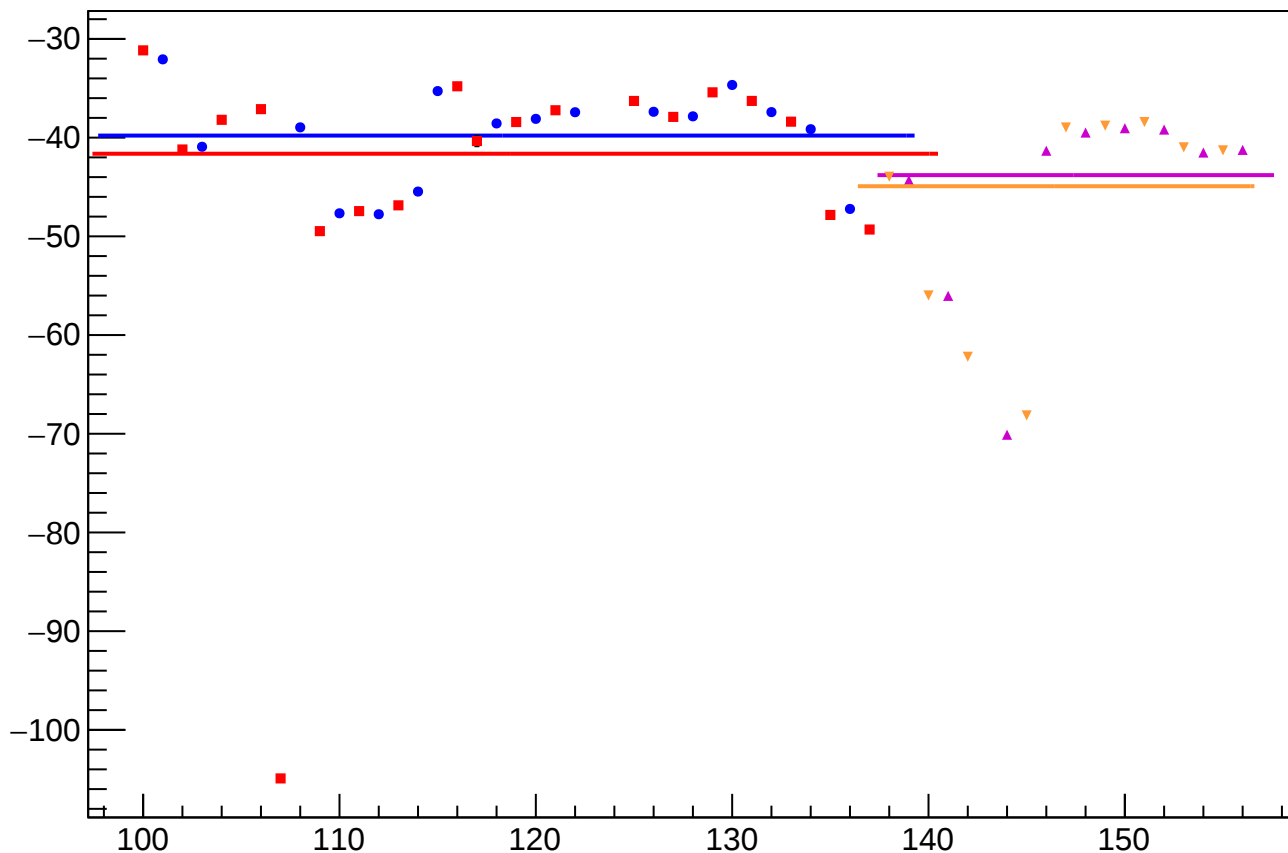
Right Out: 7.593 ± 0.514 χ^2/NDF : 573.4/18

Left In: 18.895 ± 0.544 χ^2/NDF : 244.4/8

13.387 ± 0.374 χ^2/NDF : 796.8/24

12.920 ± 0.374 χ^2/NDF : 1045.8/27

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -44.923 ± 0.028 χ^2/NDF : 110703.1/8

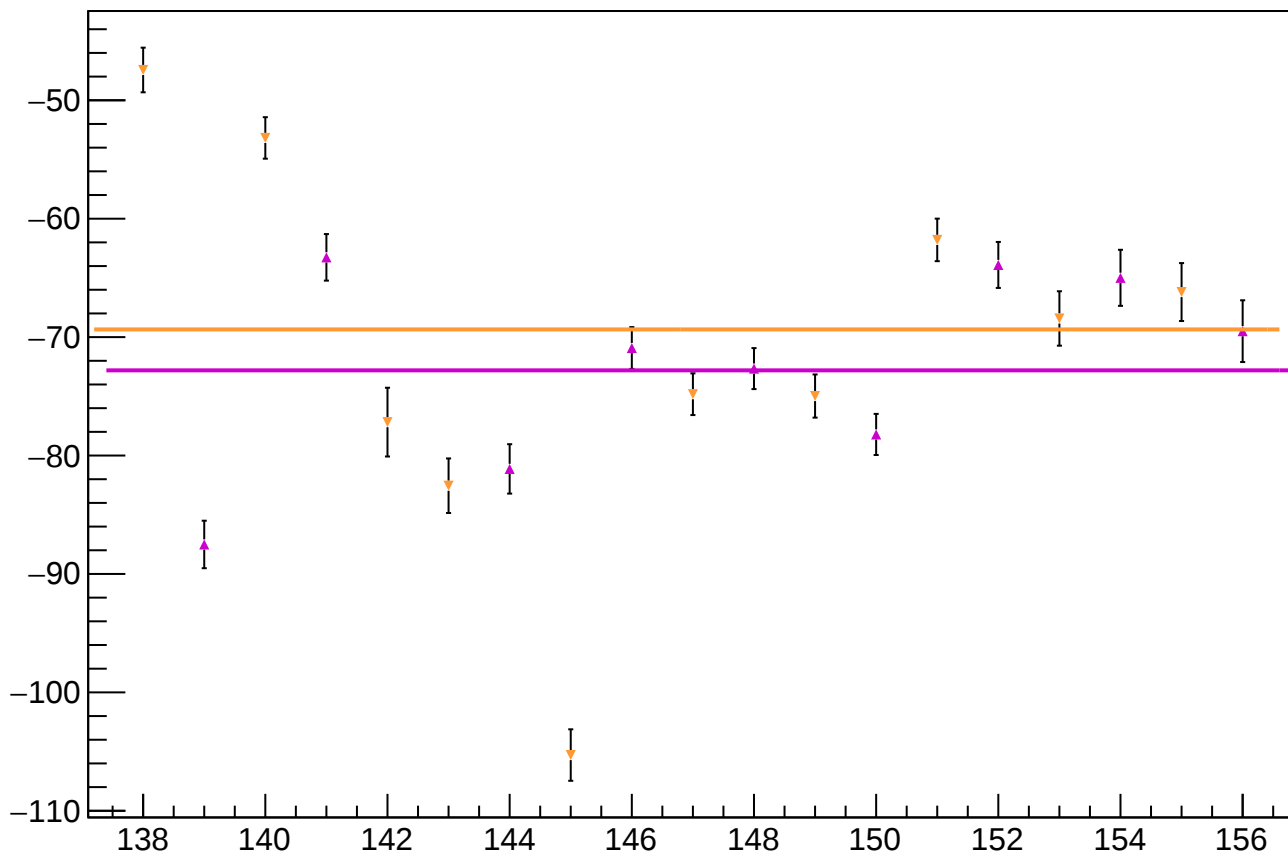
Right Out: -41.631 ± 0.031 χ^2/NDF : 94399.1/18

Left In: -43.799 ± 0.026 χ^2/NDF : 92803.4/8

-42.658 ± 0.021 χ^2/NDF : 151928.9/24

-42.909 ± 0.020 χ^2/NDF : 190057.7/27

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -69.351+/-0.643 χ^2/NDF : 572.5/9

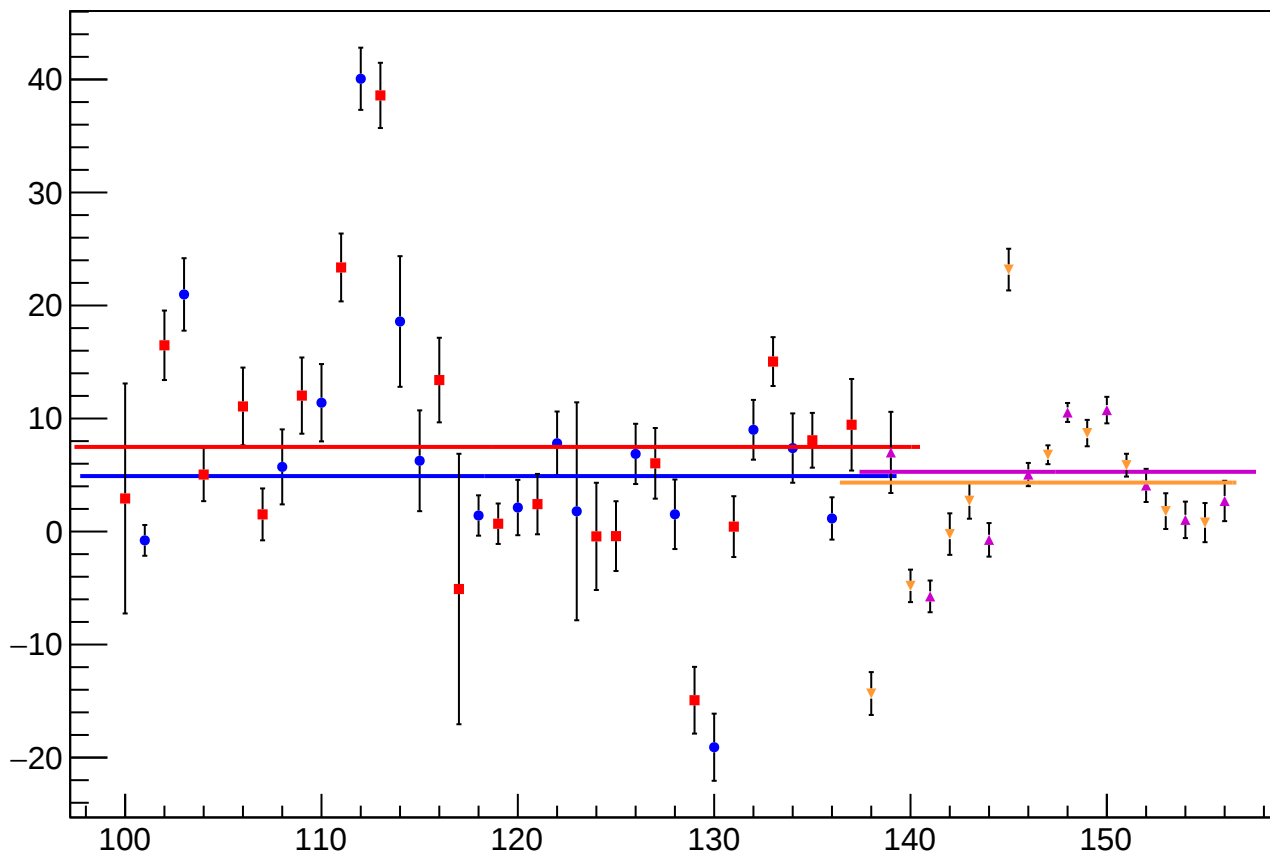
-69.351+/-0.643 χ^2/NDF : 572.5/9

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

-72.807+/-0.657 χ^2/NDF : 137.7/8

Left In: -72.807+/-0.657 χ^2/NDF : 137.7/8

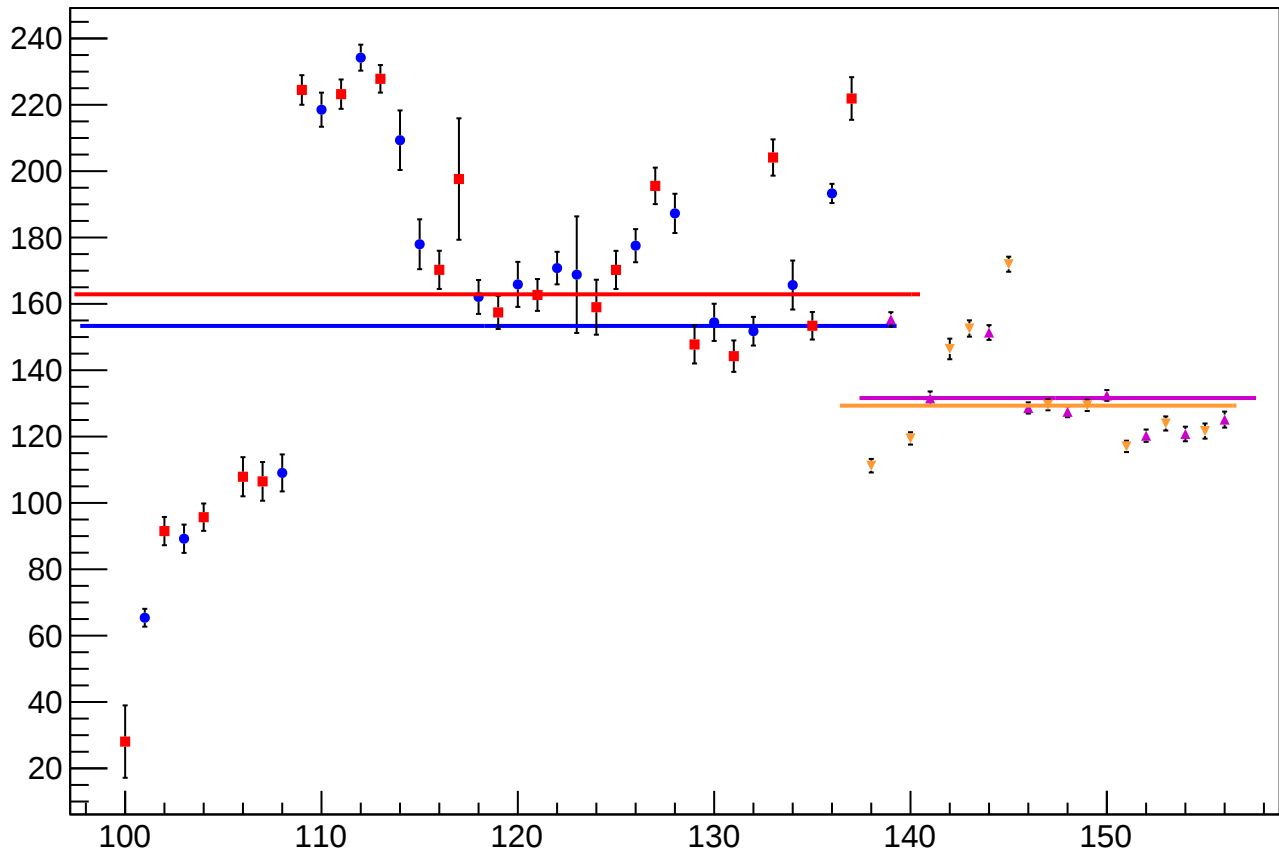
reg_asym_usr_diff_bpm4aY_slope vs Slug



4.510 ± 0.350 $\chi^2/\text{NDF}: 576.7/26$

5.965 ± 0.361 $\chi^2/\text{NDF}: 428.6/28$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 ± 1.150 χ^2/NDF : 2268.3/16

Left Out: 129.325 ± 0.638 χ^2/NDF : 647.9/9

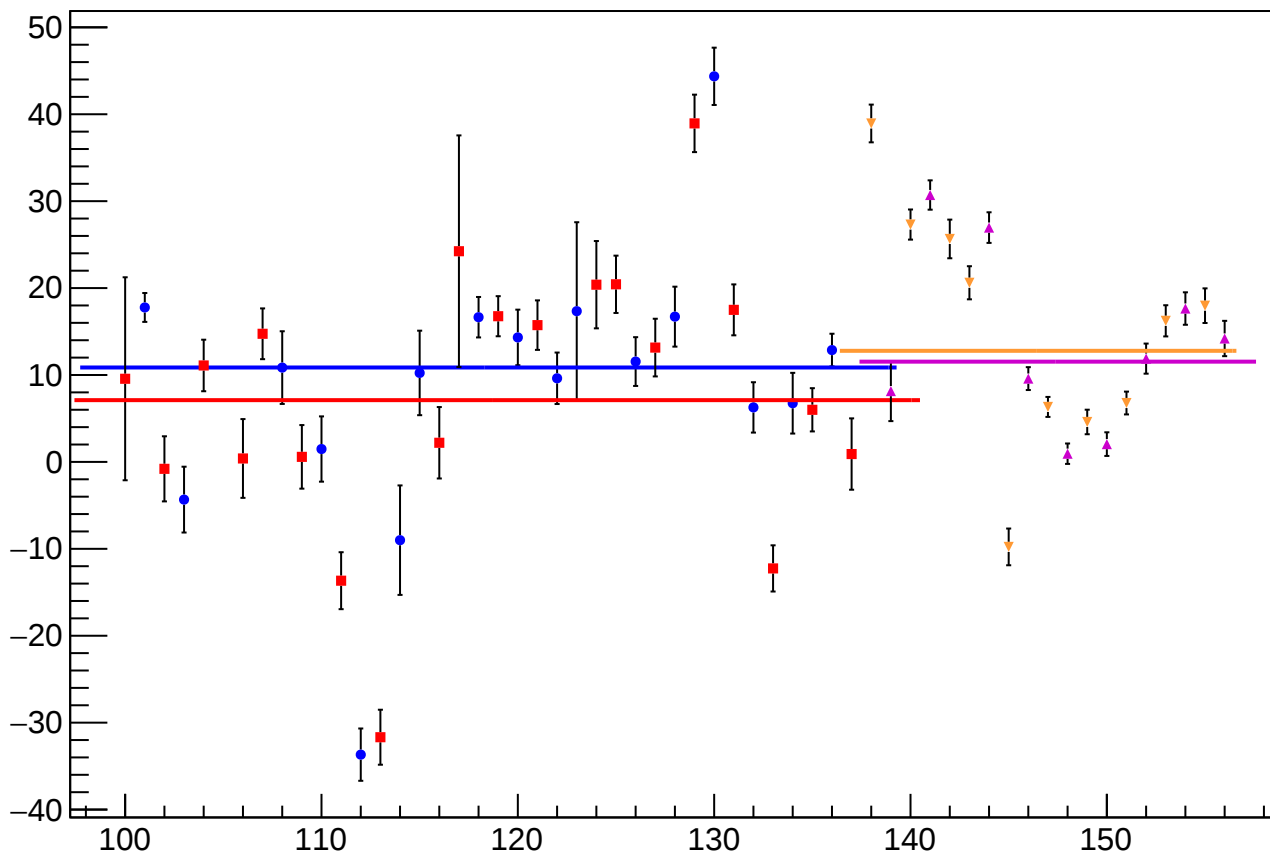
Right Out: 162.878 ± 1.174 χ^2/NDF : 1712.4/19

Left In: 131.619 ± 0.643 χ^2/NDF : 276.1/8

134.978 ± 0.558 χ^2/NDF : 3249.8/26

138.826 ± 0.564 χ^2/NDF : 2533.5/28

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2/NDF : 387.9/16

Left Out: 12.782 $\pm$ 0.524 χ^2/NDF : 476.4/9

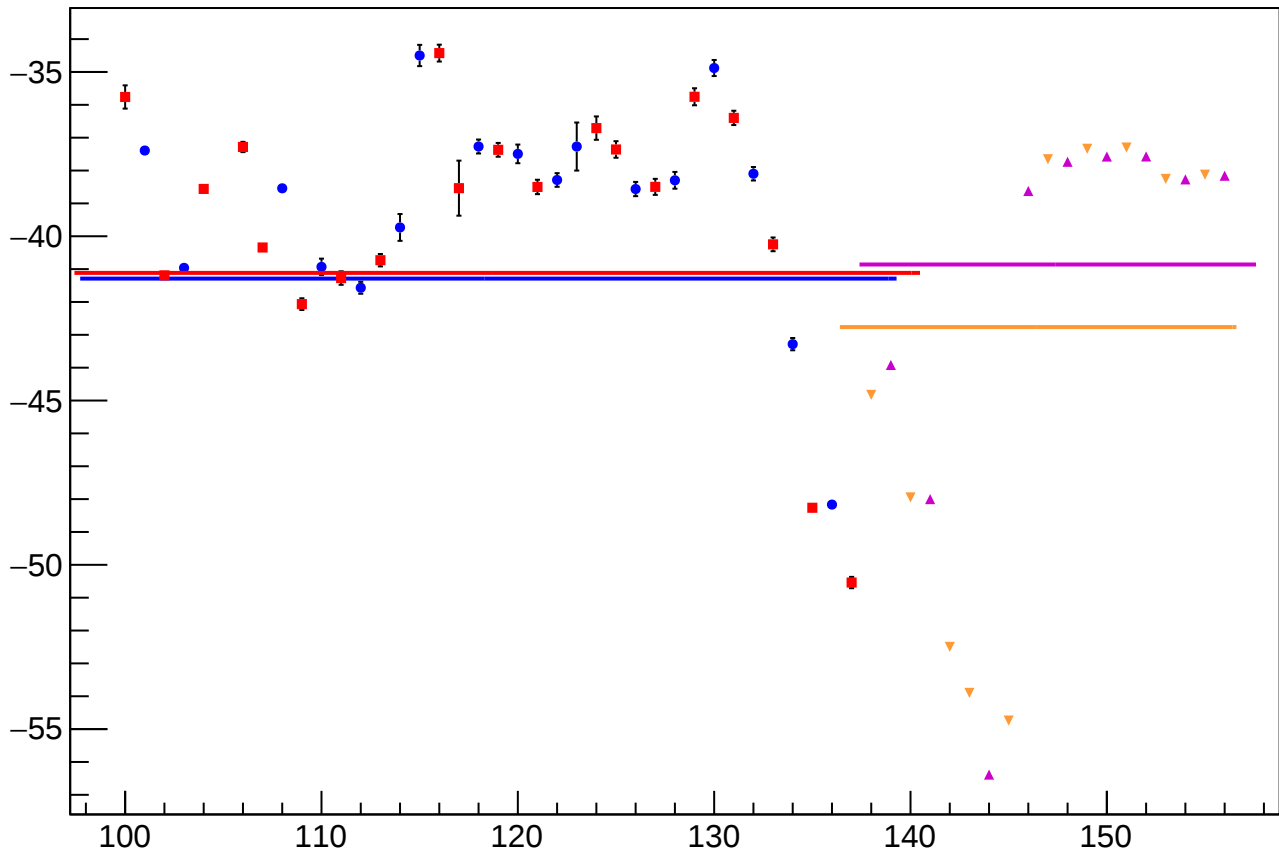
Right Out: 7.106 $\pm$ 0.746 χ^2/NDF : 426.4/19

Left In: 11.535 $\pm$ 0.537 χ^2/NDF : 351.4/8

12.118 $\pm$ 0.423 χ^2/NDF : 869.0/26

10.023 $\pm$ 0.436 χ^2/NDF : 801.0/28

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 χ^2/NDF : 12509.1/16

Left Out: -42.764 ± 0.026 χ^2/NDF : 63434.6/9

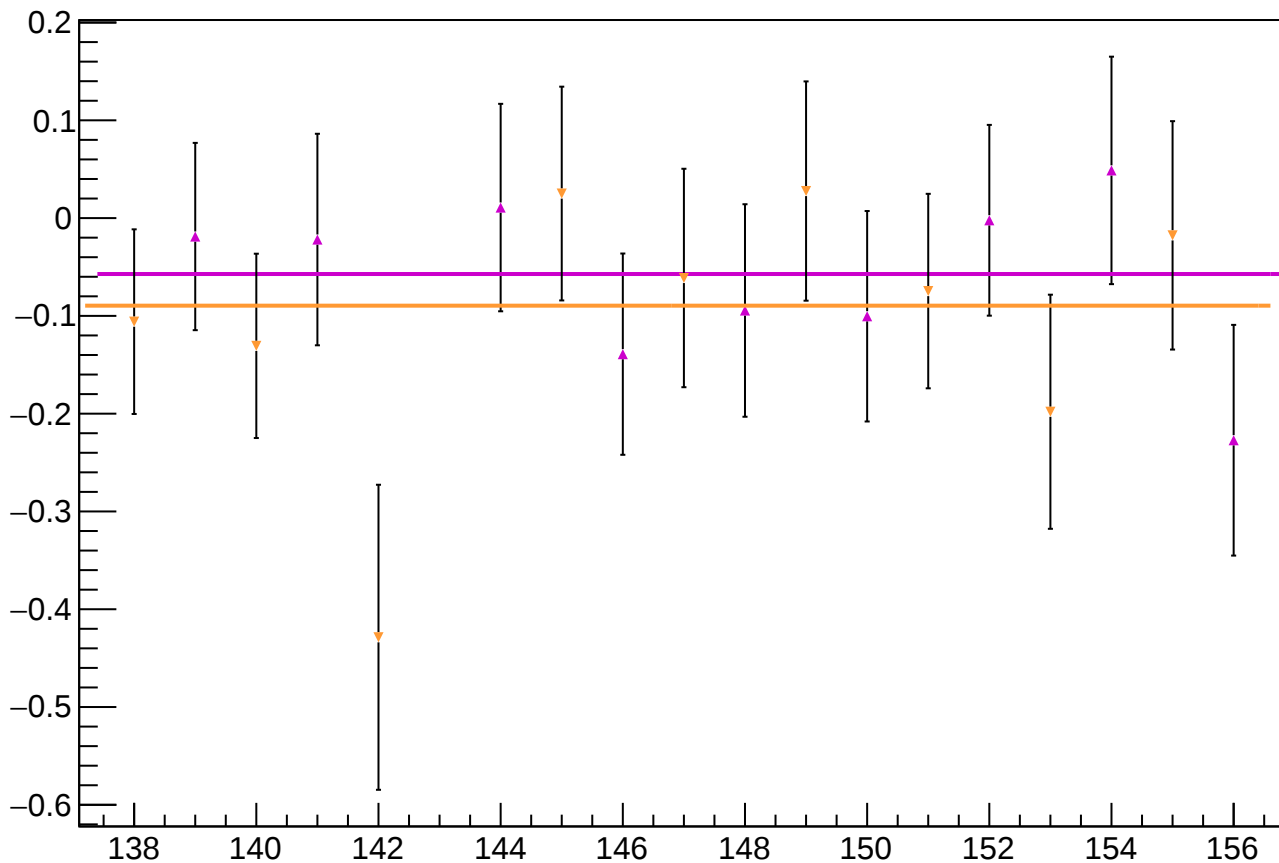
Right Out: -41.115 ± 0.039 χ^2/NDF : 12120.1/19

Left In: -40.859 ± 0.026 χ^2/NDF : 43391.9/8

-42.299 ± 0.022 χ^2/NDF : 76943.8/26

-40.938 ± 0.021 χ^2/NDF : 55542.2/28

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.090 $\pm$ 0.036 χ^2 /NDF: 8.4/8

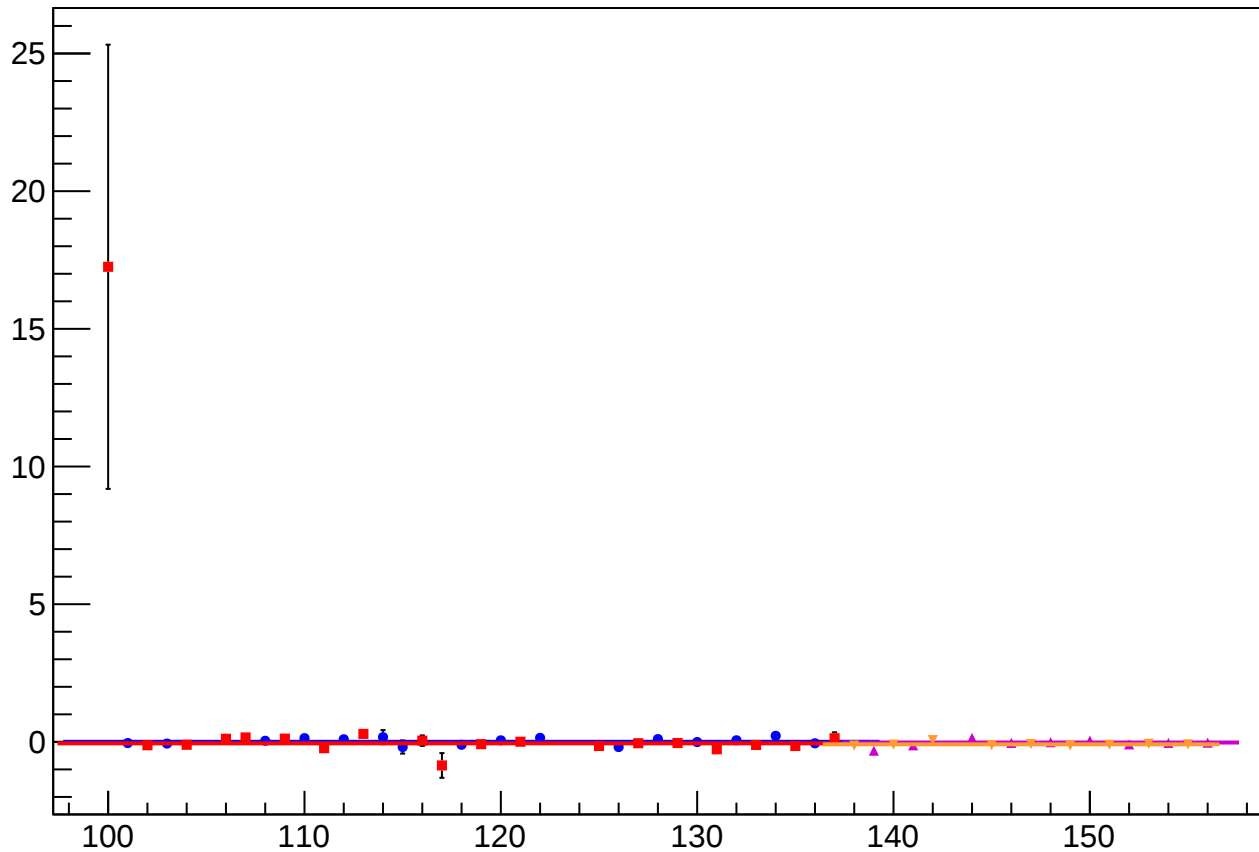
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.057 $\pm$ 0.035 χ^2 /NDF: 4.8/8

-0.090 $\pm$ 0.036 χ^2 /NDF: 8.4/8

-0.057 $\pm$ 0.035 χ^2 /NDF: 4.8/8

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003 ± 0.029 χ^2/NDF : 12.4/15

Left Out: -0.090 ± 0.025 χ^2/NDF : 3.2/8

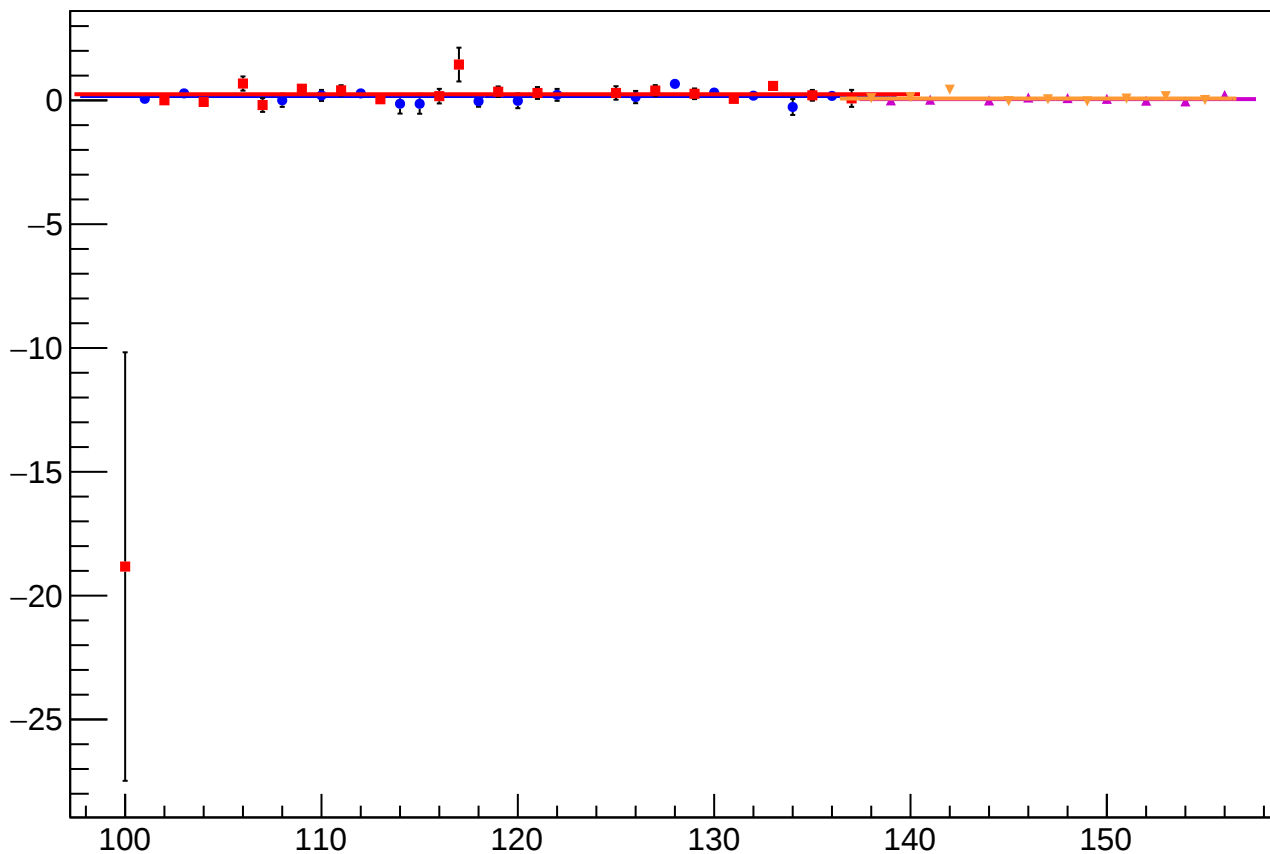
Right Out: -0.053 ± 0.029 χ^2/NDF : 28.8/18

Left In: -0.023 ± 0.024 χ^2/NDF : 11.5/8

-0.050 ± 0.019 χ^2/NDF : 21.7/24

-0.036 ± 0.019 χ^2/NDF : 40.9/27

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176+/-0.053 χ^2/NDF : 13.0/15

Left Out: 0.075+/-0.036 χ^2/NDF : 8.0/8

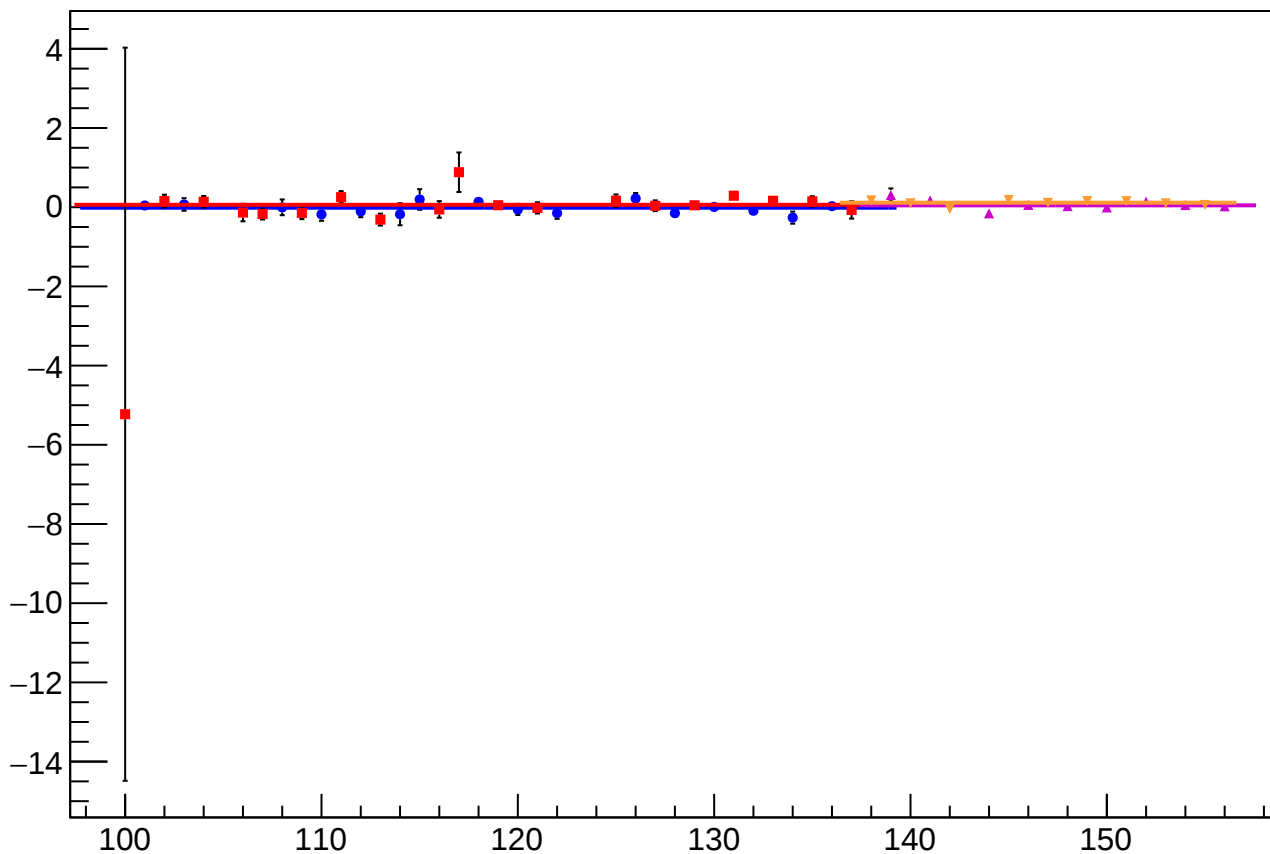
Right Out: 0.247+/-0.054 χ^2/NDF : 24.7/18

Left In: 0.051+/-0.035 χ^2/NDF : 4.6/8

0.107+/-0.030 χ^2/NDF : 23.5/24

0.109+/-0.029 χ^2/NDF : 38.7/27

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 $\pm$ 0.033 χ^2/NDF : 13.6/15

Left Out: 0.114 $\pm$ 0.030 χ^2/NDF : 3.4/8

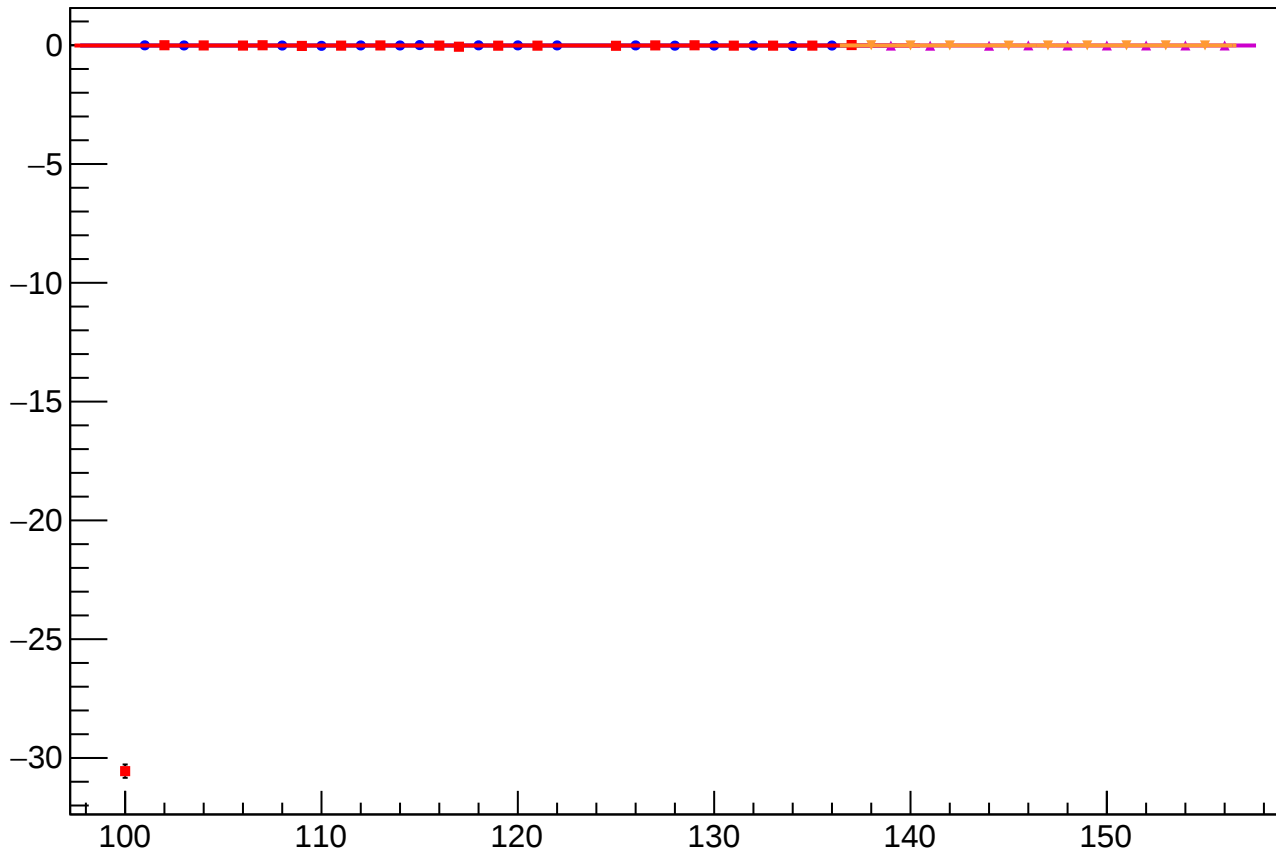
Right Out: 0.061 $\pm$ 0.034 χ^2/NDF : 23.1/18

Left In: 0.047 $\pm$ 0.030 χ^2/NDF : 10.9/8

0.055 $\pm$ 0.022 χ^2/NDF : 25.1/24

0.053 $\pm$ 0.022 χ^2/NDF : 34.1/27

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

-0.010 ± 0.001 χ^2/NDF : 22.8/24

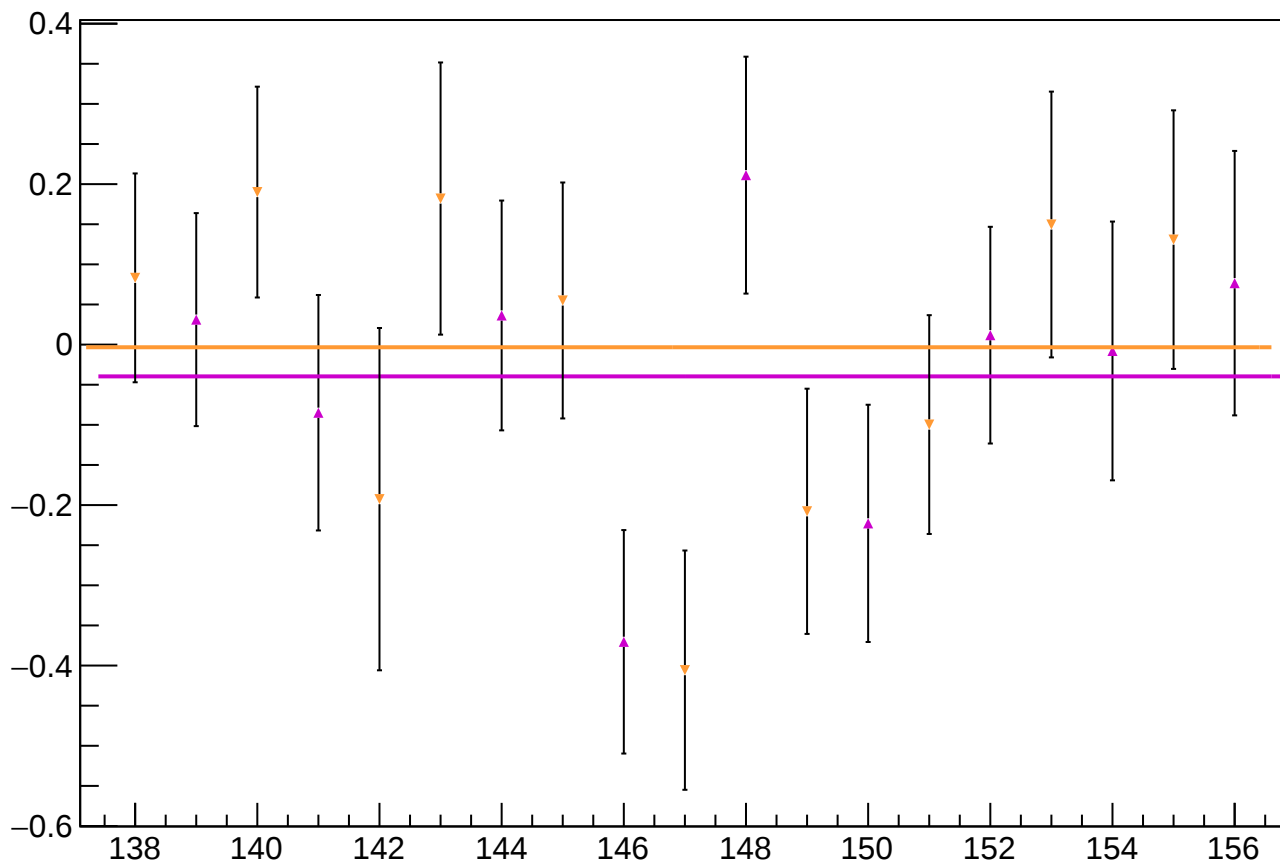
Left Out: -0.009 ± 0.001 χ^2/NDF : 8.2/8

Right Out: -0.012 ± 0.002 χ^2/NDF : 11894.0/18

-0.012 ± 0.001 χ^2/NDF : 11902.5/27

Left In: -0.011 ± 0.001 χ^2/NDF : 8.3/8

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: -0.003+/-0.048 χ^2/NDF : 15.9/9

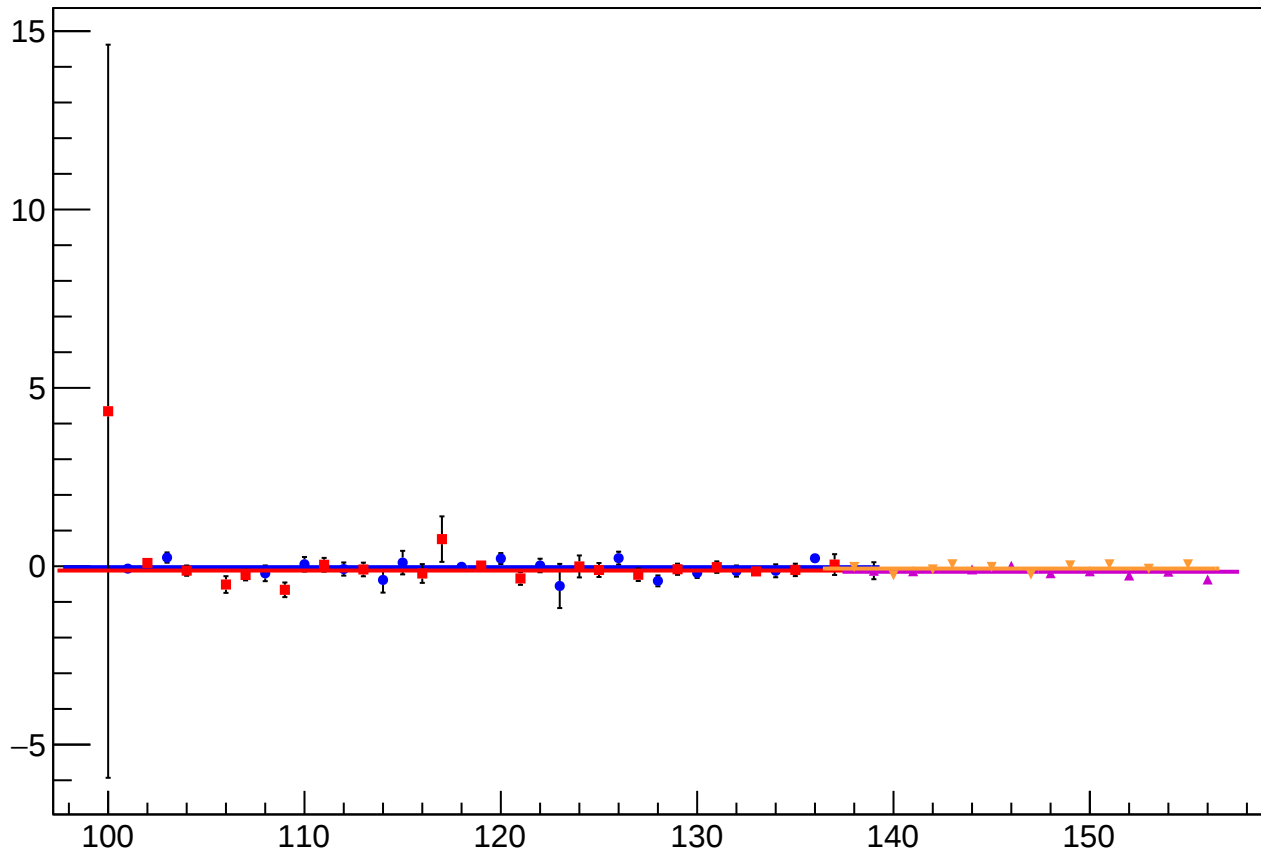
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.040+/-0.048 χ^2/NDF : 11.4/8

-0.003+/-0.048 χ^2/NDF : 15.9/9

-0.040+/-0.048 χ^2/NDF : 11.4/8

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.065 ± 0.032 χ^2/NDF : 14.1/9

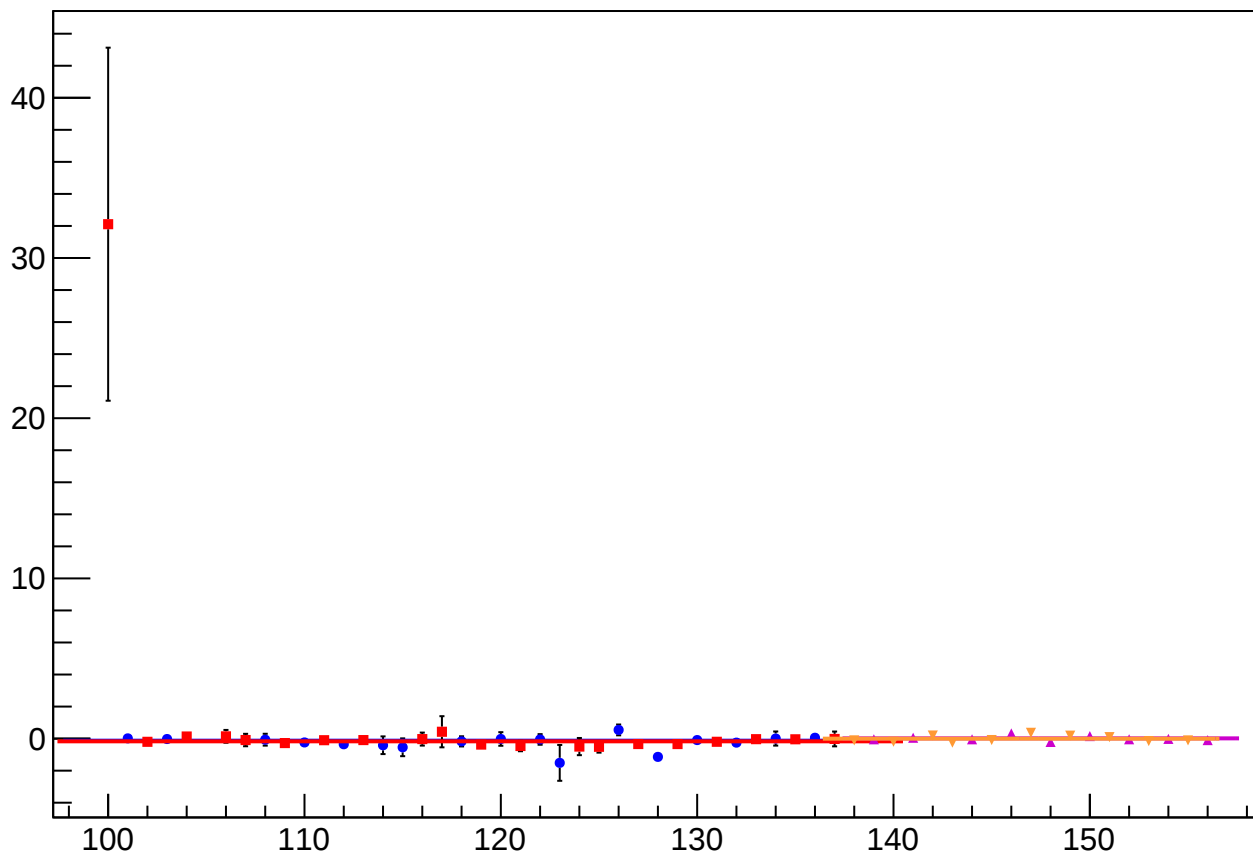
Right Out: -0.120 ± 0.039 χ^2/NDF : 20.2/19

Left In: -0.155 ± 0.033 χ^2/NDF : 9.5/8

-0.048 ± 0.024 χ^2/NDF : 37.5/26

-0.140 ± 0.025 χ^2/NDF : 30.2/28

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: -0.003 ± 0.048 χ^2/NDF : 16.0/9

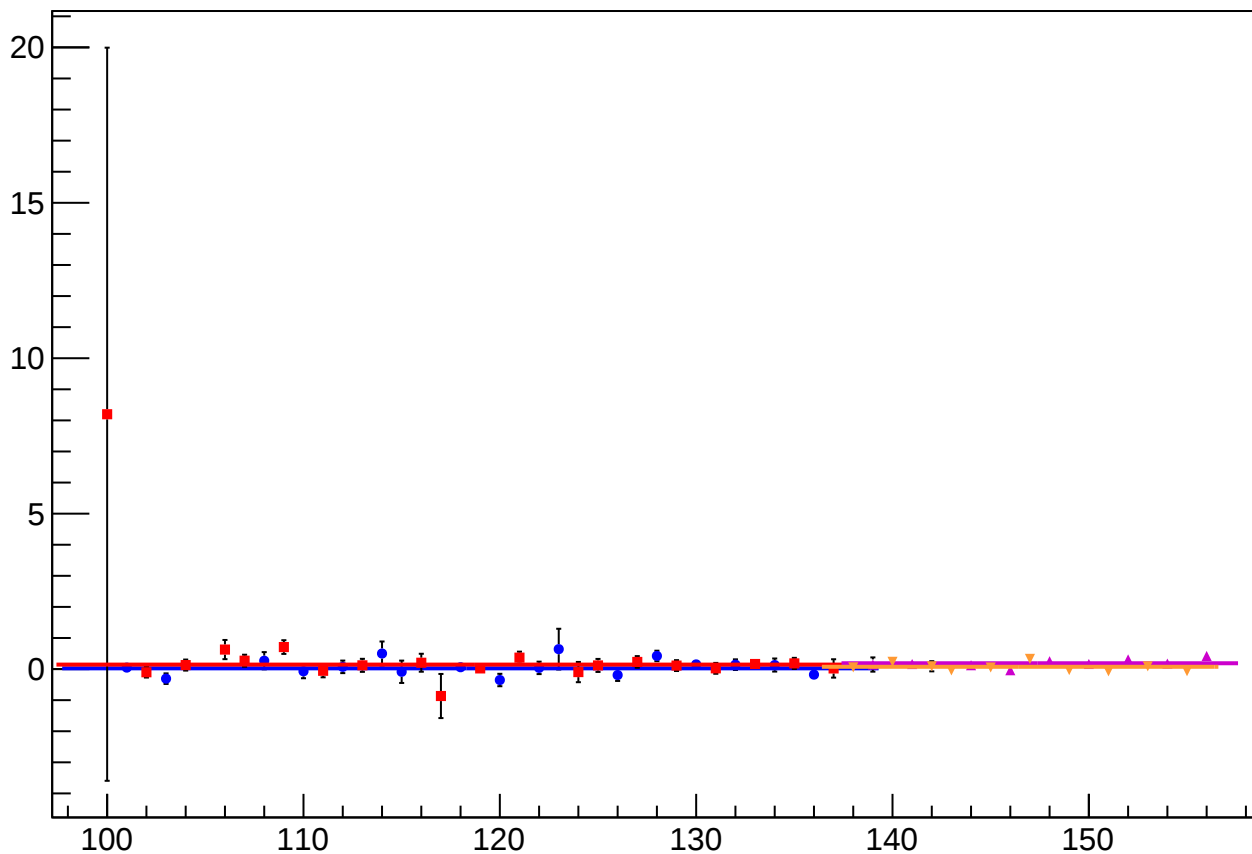
Right Out: -0.169 ± 0.071 χ^2/NDF : 15.3/19

Left In: 0.016 ± 0.048 χ^2/NDF : 10.1/8

-0.045 ± 0.039 χ^2/NDF : 41.5/26

-0.042 ± 0.040 χ^2/NDF : 30.1/28

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.073 ± 0.040 χ^2/NDF : 13.1/9

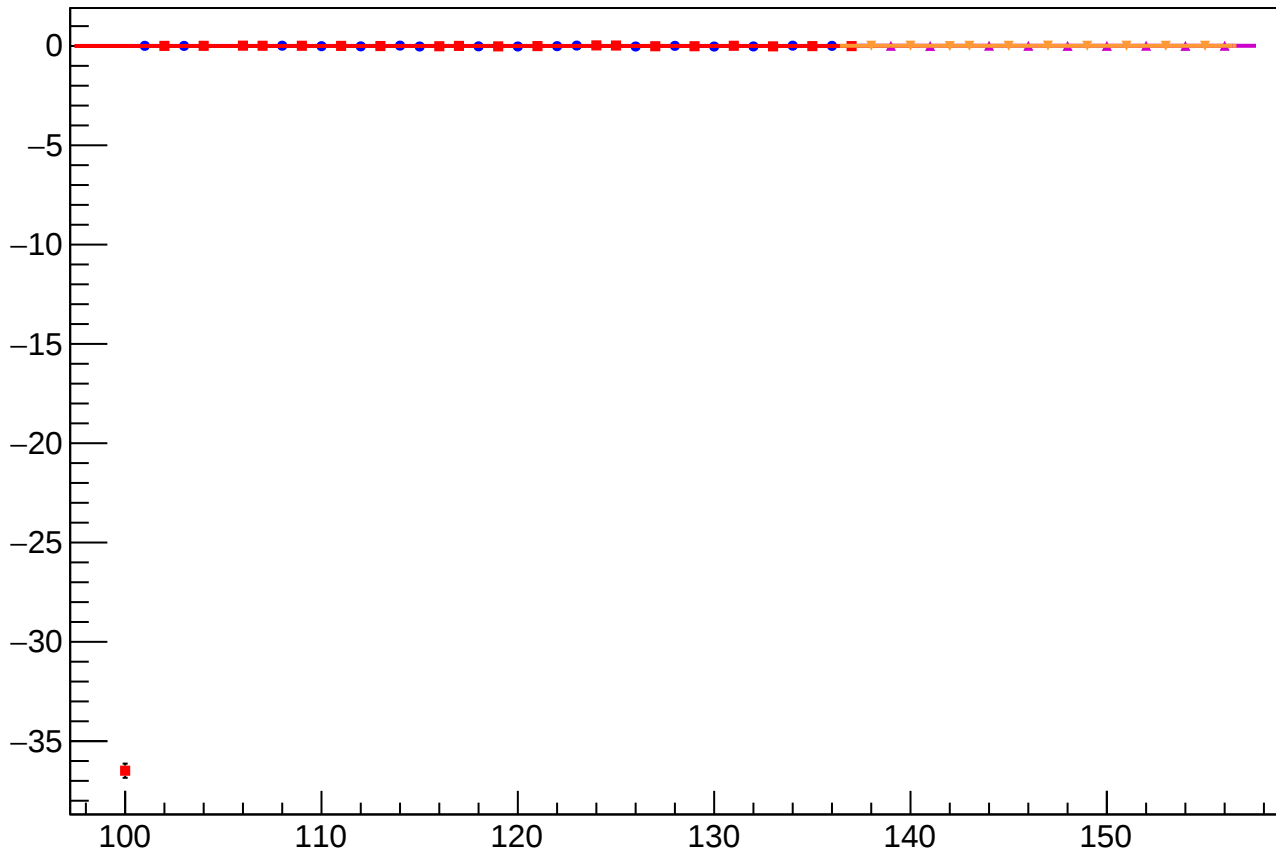
Right Out: 0.144 ± 0.045 χ^2/NDF : 18.6/19

Left In: 0.187 ± 0.041 χ^2/NDF : 9.8/8

0.050 ± 0.029 χ^2/NDF : 35.2/26

0.168 ± 0.030 χ^2/NDF : 28.9/28

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.010 $\pm$ 0.002 χ^2 /NDF: 4.6/9

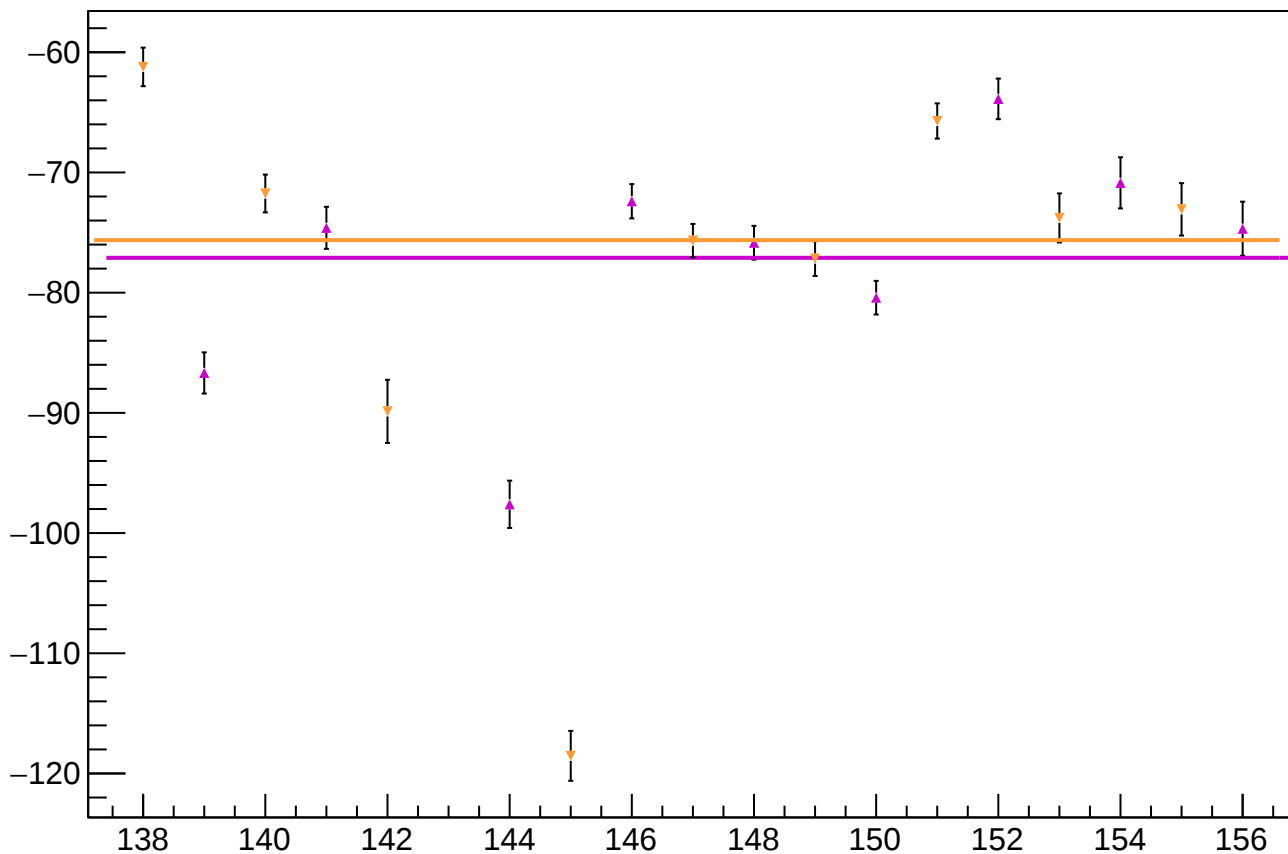
Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/19

Left In: 0.010 $\pm$ 0.002 χ^2 /NDF: 3.0/8

0.006 $\pm$ 0.001 χ^2 /NDF: 43.7/26

0.007 $\pm$ 0.001 χ^2 /NDF: 10462.1/28

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

Left Out: -75.630+/-0.570 χ^2/NDF : 592.8/8

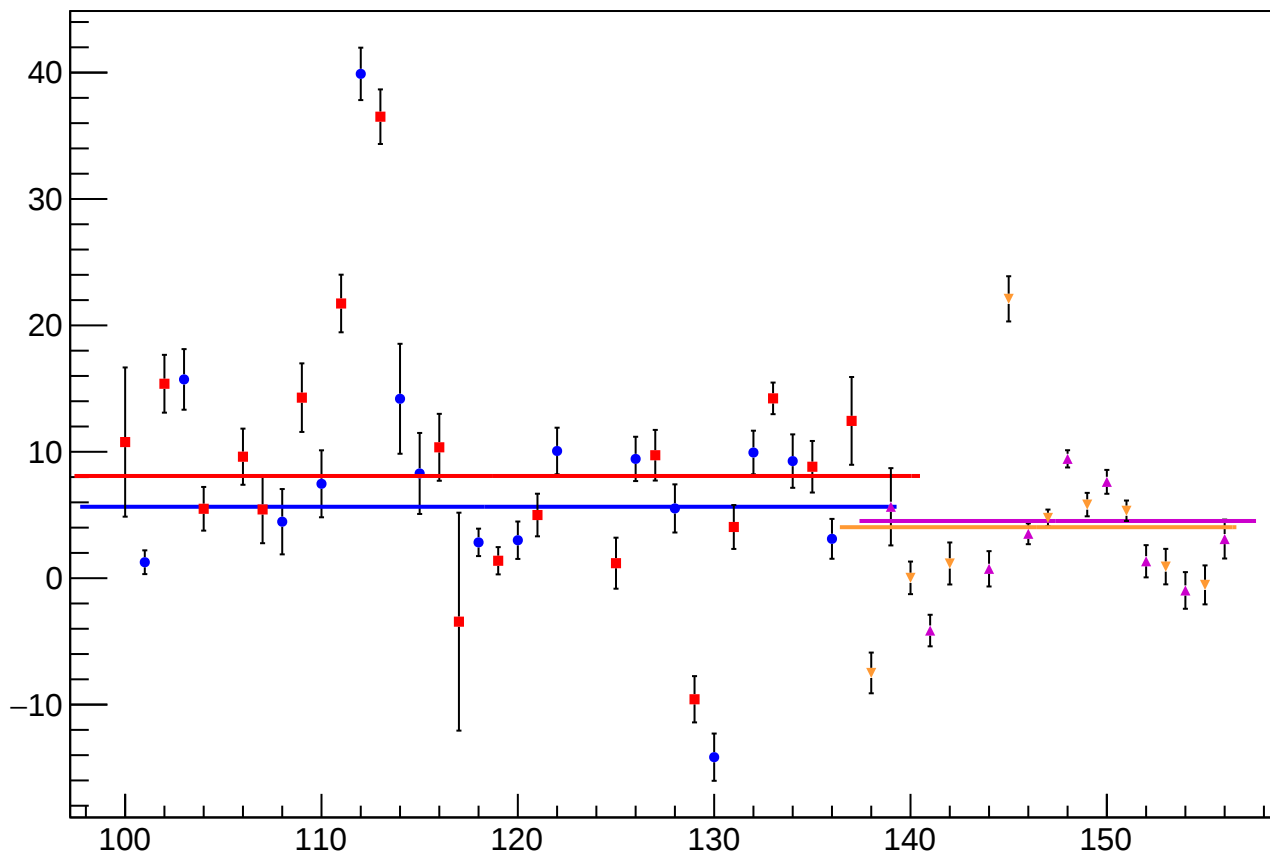
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -77.101+/-0.559 χ^2/NDF : 230.5/8

-75.630+/-0.570 χ^2/NDF : 592.8/8

-77.101+/-0.559 χ^2/NDF : 230.5/8

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 $\pm$ 0.429 χ^2/NDF : 461.9/15

Left Out: 4.035 $\pm$ 0.363 χ^2/NDF :187.2/8

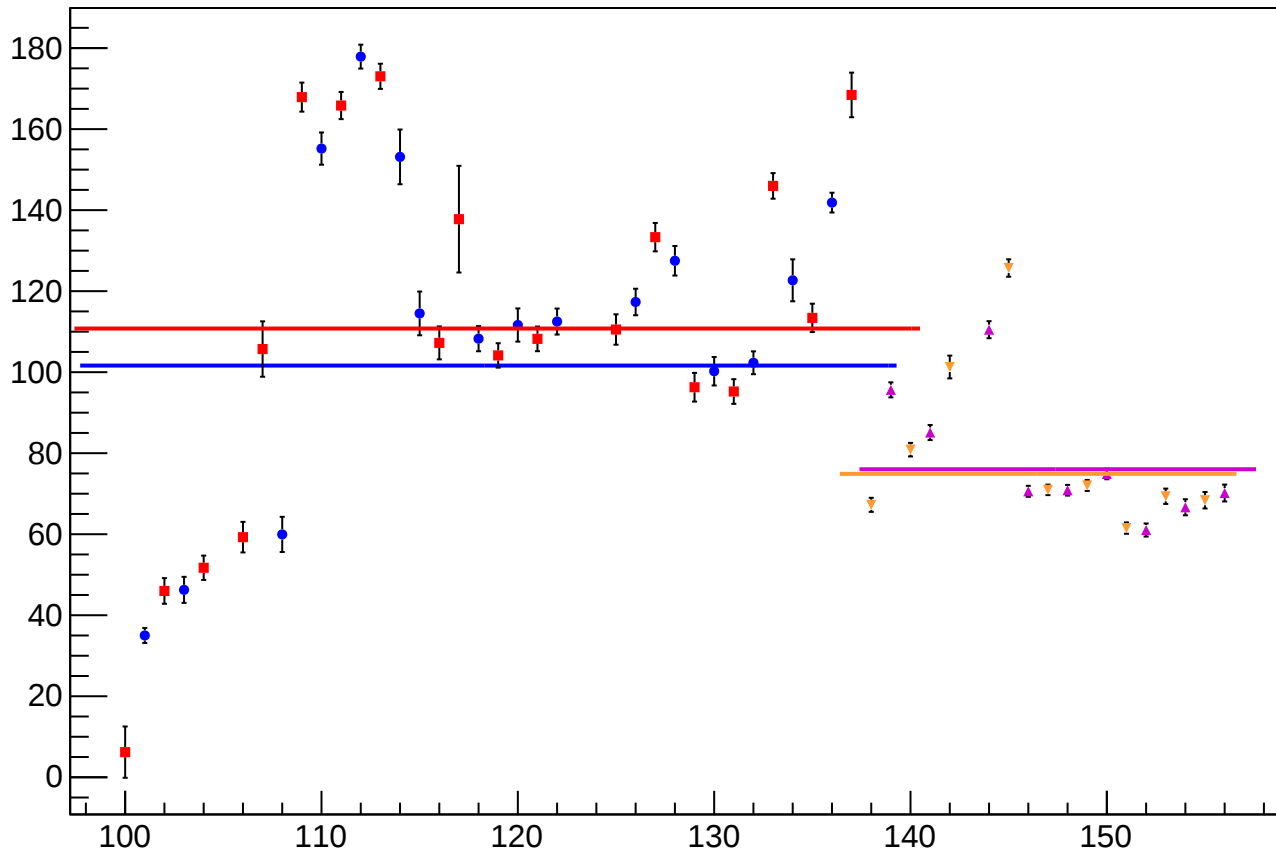
Right Out: 8.087 $\pm$ 0.452 χ^2/NDF : 409.7/18

Left In: 4.526 $\pm$ 0.365 χ^2/NDF :141.4/8

4.710 $\pm$ 0.277 χ^2/NDF : 657.3/24

5.931 $\pm$ 0.284 χ^2/NDF : 588.6/27

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 74.901 $\pm$ 0.559 χ^2 /NDF: 800.8/8

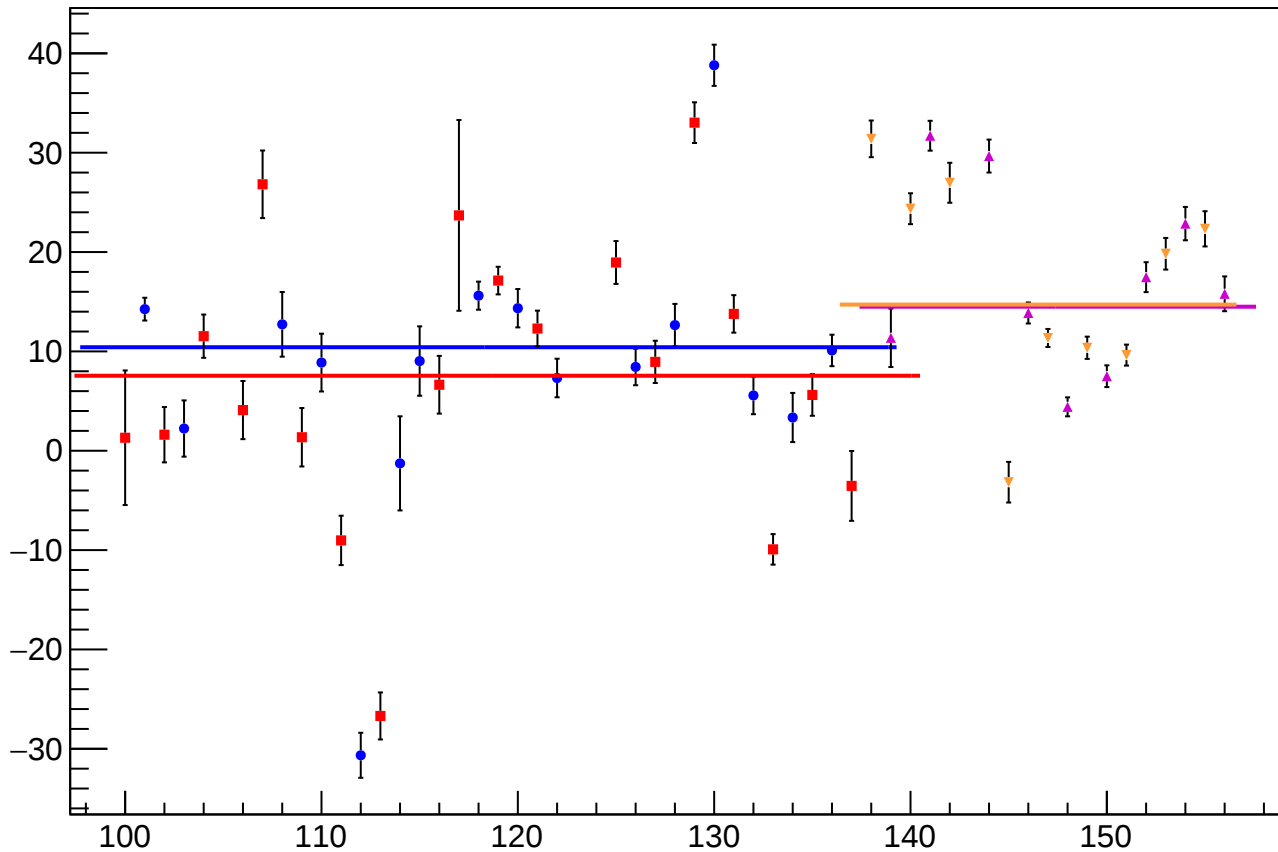
Right Out: 110.778 $\pm$ 0.834 χ^2 /NDF: 2518.3/18

Left In: 76.038 $\pm$ 0.544 χ^2 /NDF: 552.4/8

83.491 $\pm$ 0.460 χ^2 /NDF: 4516.2/24

86.412 $\pm$ 0.456 χ^2 /NDF: 4286.4/27

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 $\pm$ 0.497 χ^2 /NDF: 579.7/15

Left Out: 14.711 $\pm$ 0.456 χ^2 /NDF: 314.4/8

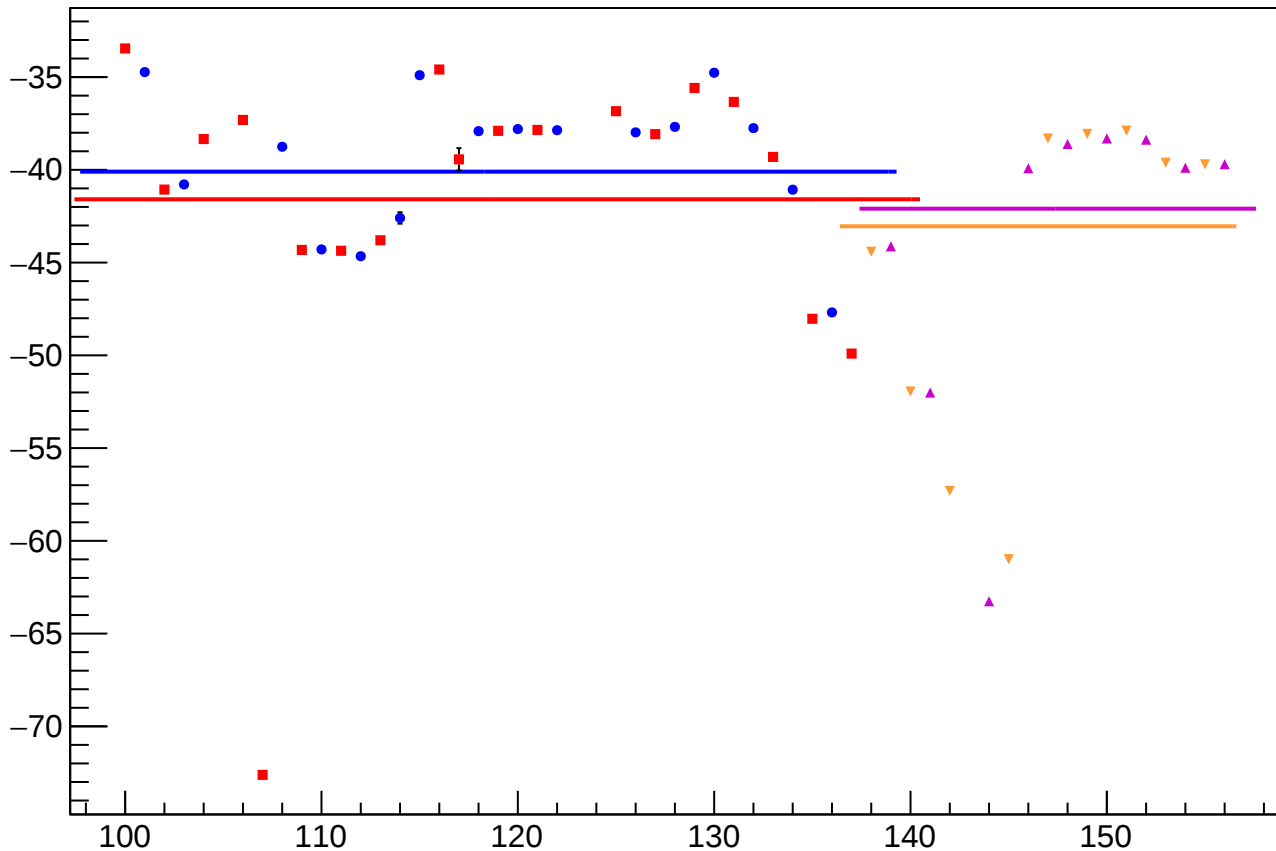
Right Out: 7.550 $\pm$ 0.522 χ^2 /NDF: 692.3/18

Left In: 14.499 $\pm$ 0.453 χ^2 /NDF: 398.0/8

12.751 $\pm$ 0.336 χ^2 /NDF: 934.6/24

11.516 $\pm$ 0.342 χ^2 /NDF: 1191.2/27

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -43.042 ± 0.023 χ^2/NDF : 100604.3/8

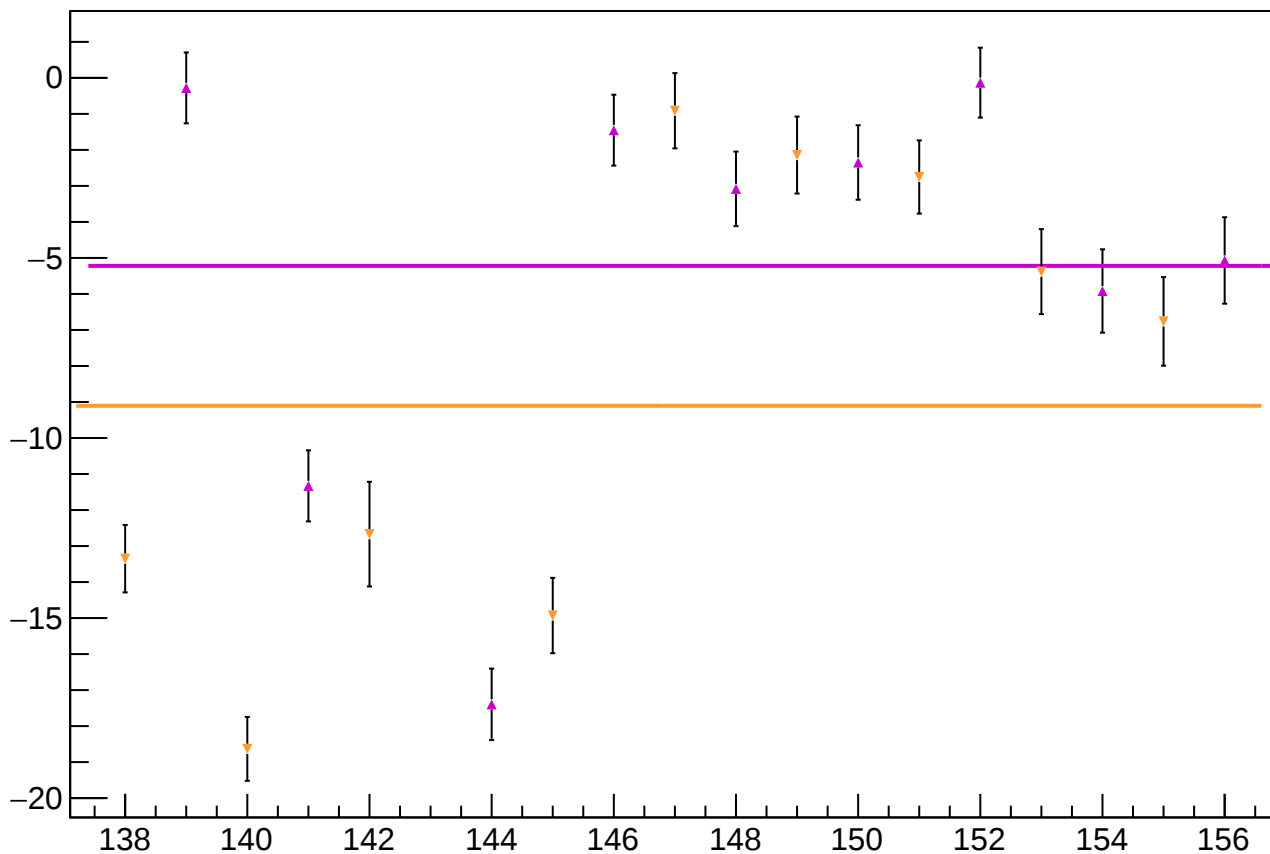
Right Out: -41.588 ± 0.029 χ^2/NDF : 61690.5/18

Left In: -42.094 ± 0.022 χ^2/NDF : 86143.2/8

-41.862 ± 0.018 χ^2/NDF : 132150.6/24

-41.906 ± 0.017 χ^2/NDF : 148031.2/27

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

Left Out: -9.105+/-0.355 χ^2/NDF : 329.6/8

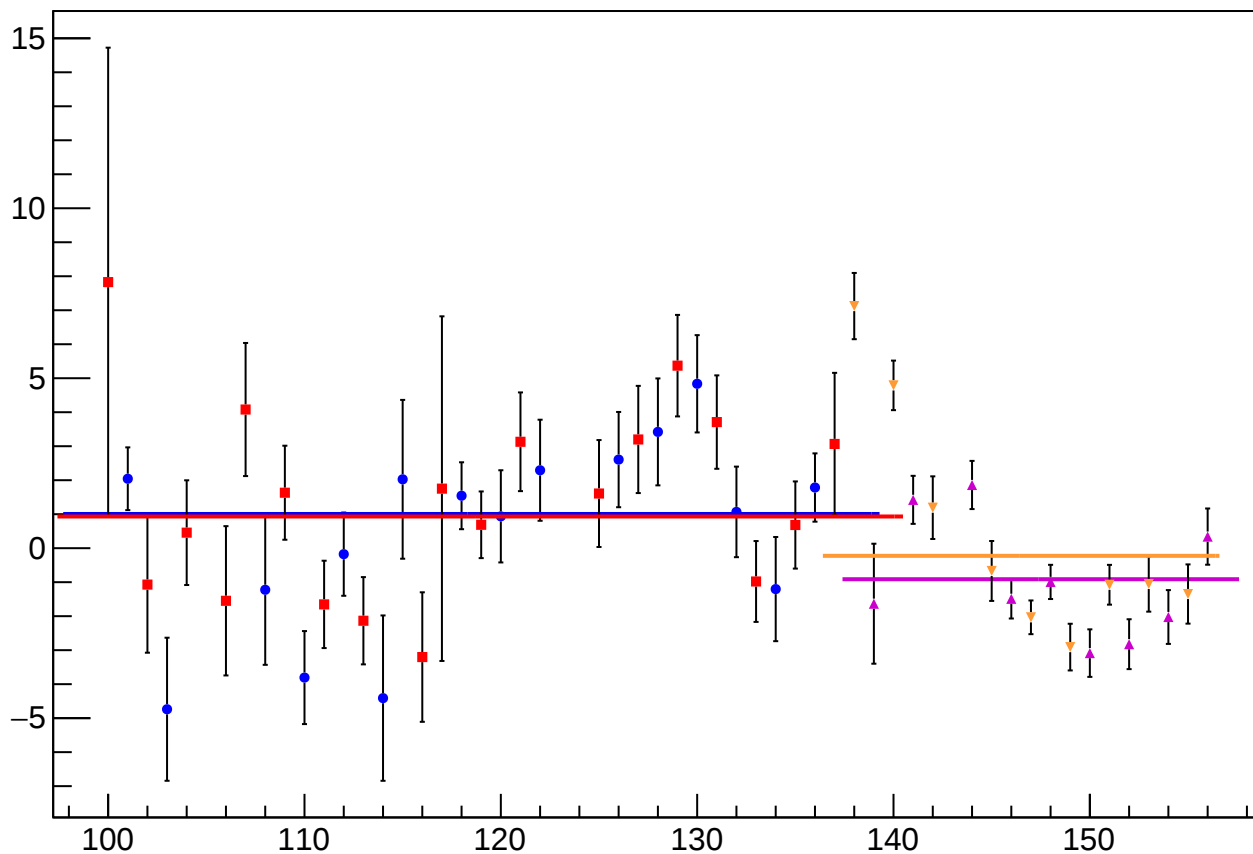
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -5.221+/-0.343 χ^2/NDF : 268.7/8

-9.105+/-0.355 χ^2/NDF : 329.6/8

-5.221+/-0.343 χ^2/NDF : 268.7/8

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006 ± 0.342 χ^2/NDF : 42.7/15

Left Out: -0.224 ± 0.240 χ^2/NDF : 140.2/8

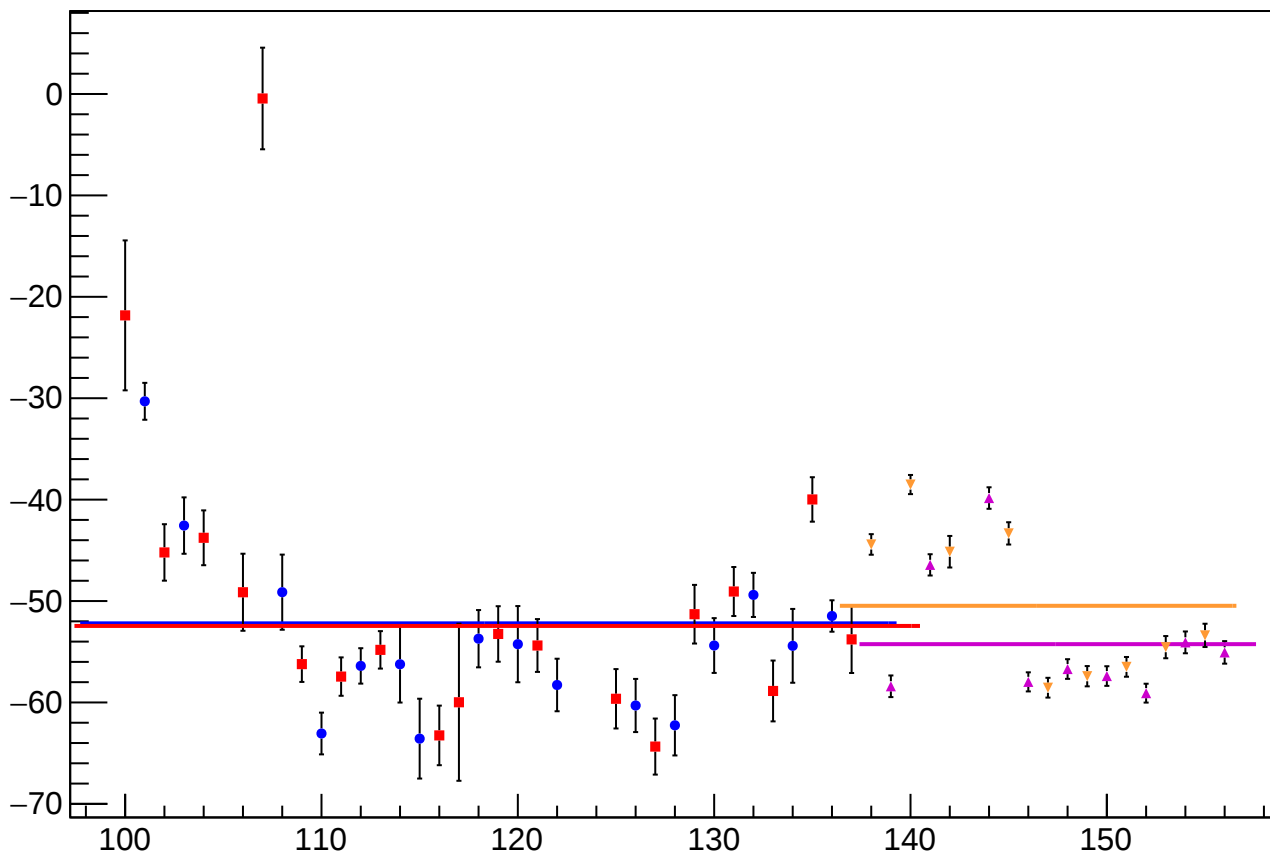
Right Out: 0.933 ± 0.352 χ^2/NDF : 41.9/18

Left In: -0.913 ± 0.234 χ^2/NDF : 48.1/8

0.183 ± 0.196 χ^2/NDF : 191.6/24

-0.347 ± 0.195 χ^2/NDF : 109.0/27

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -50.469 ± 0.353 χ^2/NDF : 425.1/8

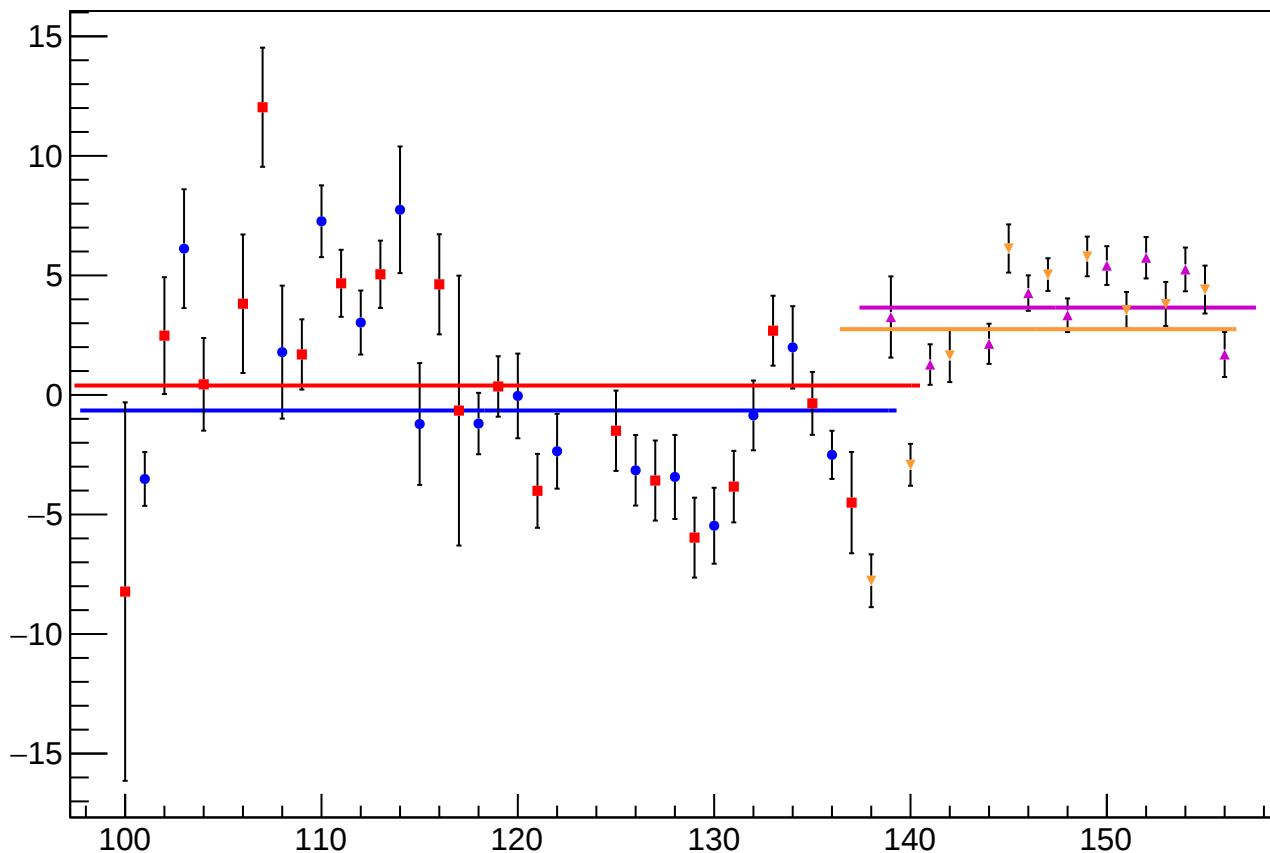
Right Out: -52.455 ± 0.614 χ^2/NDF : 234.8/18

Left In: -54.251 ± 0.338 χ^2/NDF : 315.2/8

-50.898 ± 0.306 χ^2/NDF : 661.7/24

-53.833 ± 0.296 χ^2/NDF : 556.7/27

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 2.753 ± 0.296 χ^2/NDF : 174.5/8

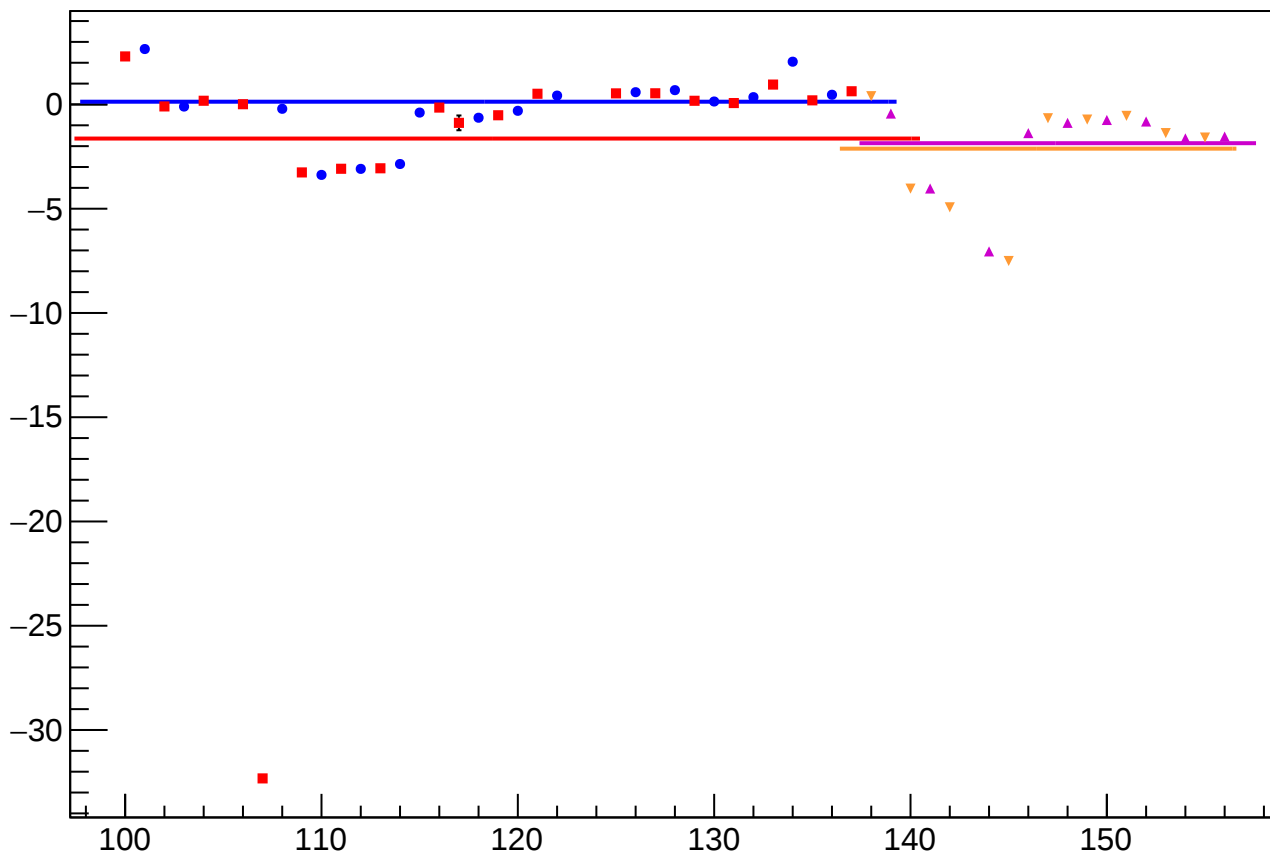
Right Out: 0.394 ± 0.398 χ^2/NDF : 95.9/18

Left In: 3.654 ± 0.287 χ^2/NDF : 30.0/8

1.496 ± 0.235 χ^2/NDF : 305.2/24

2.543 ± 0.233 χ^2/NDF : 170.0/27

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 χ^2/NDF : 5247.5/15

Left Out: -2.120 ± 0.014 χ^2/NDF : 27776.6/8

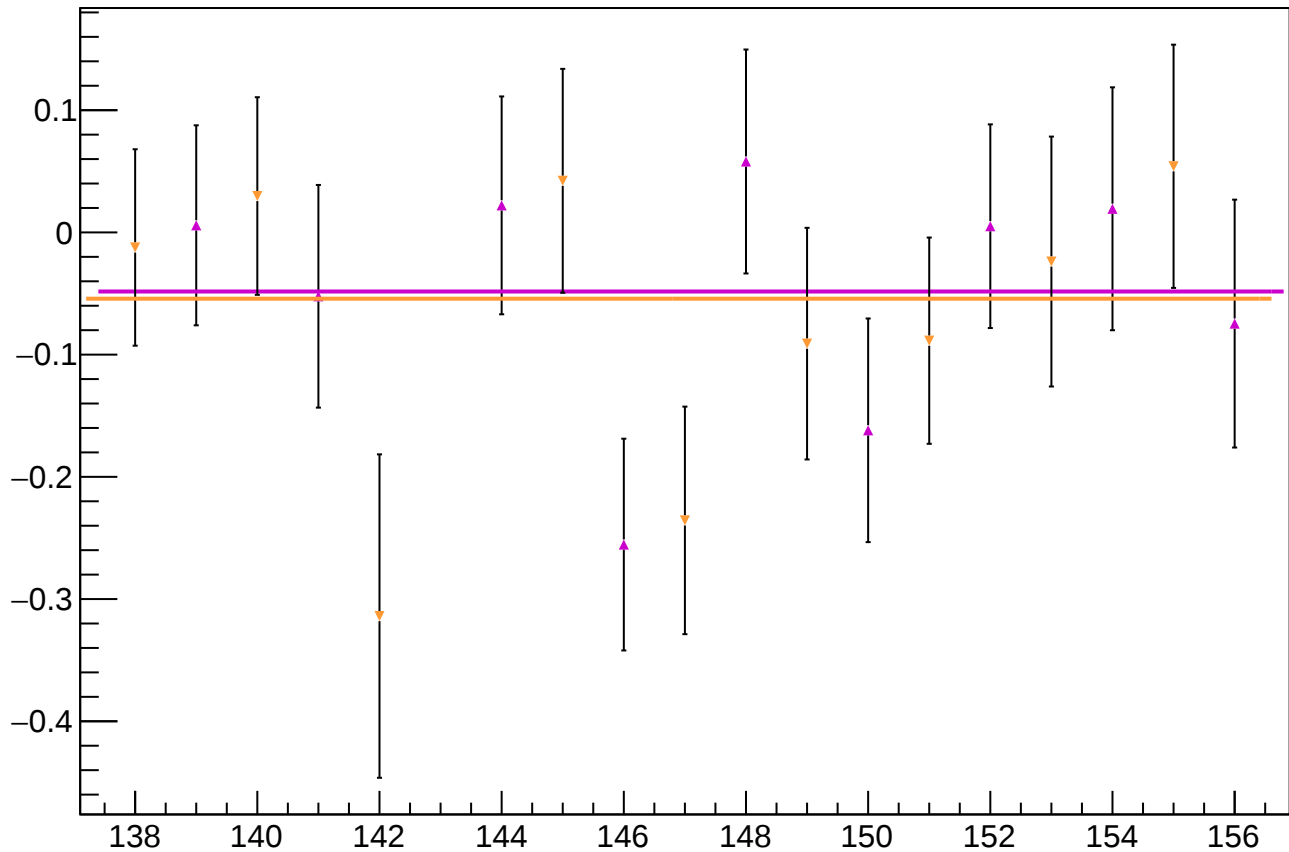
Right Out: -1.635 ± 0.022 χ^2/NDF : 77852.9/18

Left In: -1.858 ± 0.013 χ^2/NDF : 18903.0/8

-1.431 ± 0.012 χ^2/NDF : 40596.2/24

-1.797 ± 0.011 χ^2/NDF : 96831.7/27

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



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

Left Out: -0.054+/-0.031 χ^2/NDF : 11.7/8

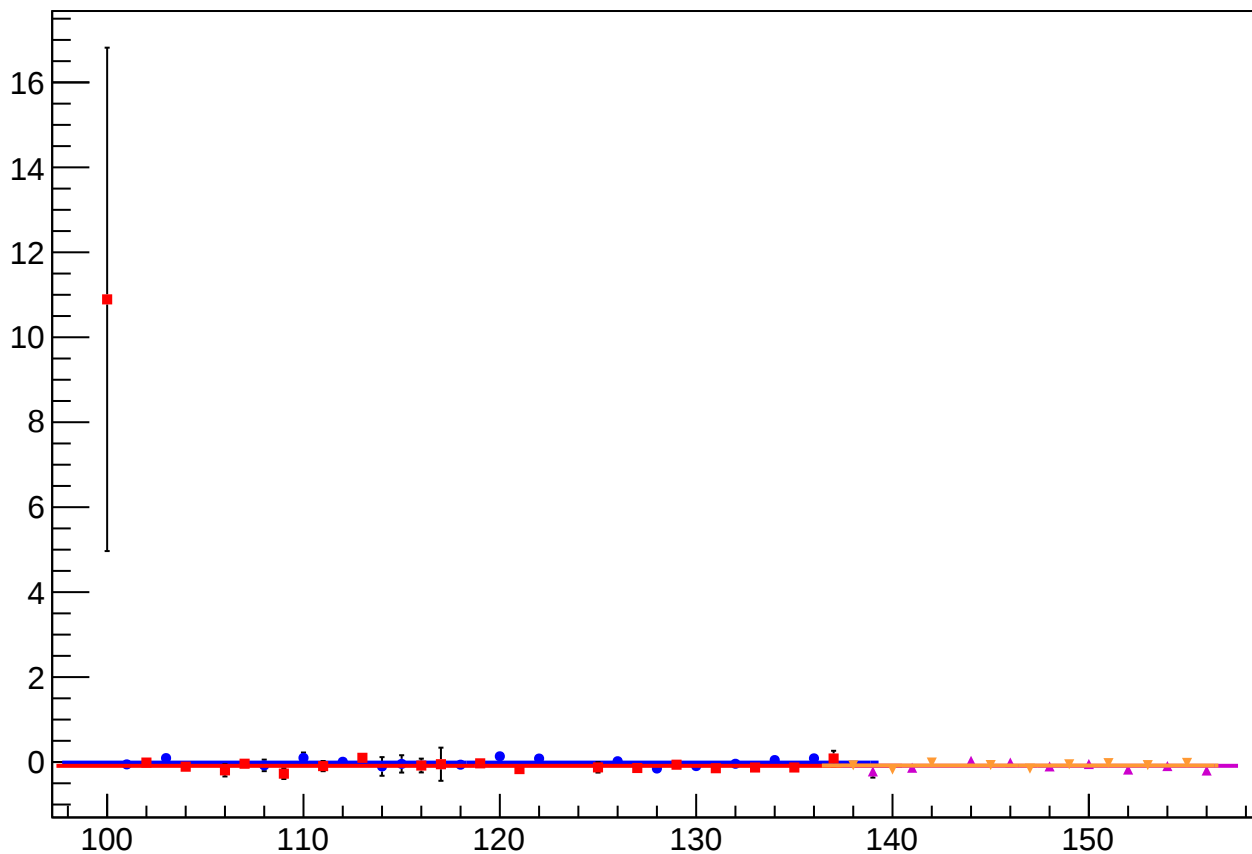
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.048+/-0.030 χ^2/NDF : 10.6/8

-0.054+/-0.031 χ^2/NDF : 11.7/8

-0.048+/-0.030 χ^2/NDF : 10.6/8

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013+/-0.023 χ^2/NDF : 11.7/15

Left Out: -0.082+/-0.021 χ^2/NDF : 7.9/8

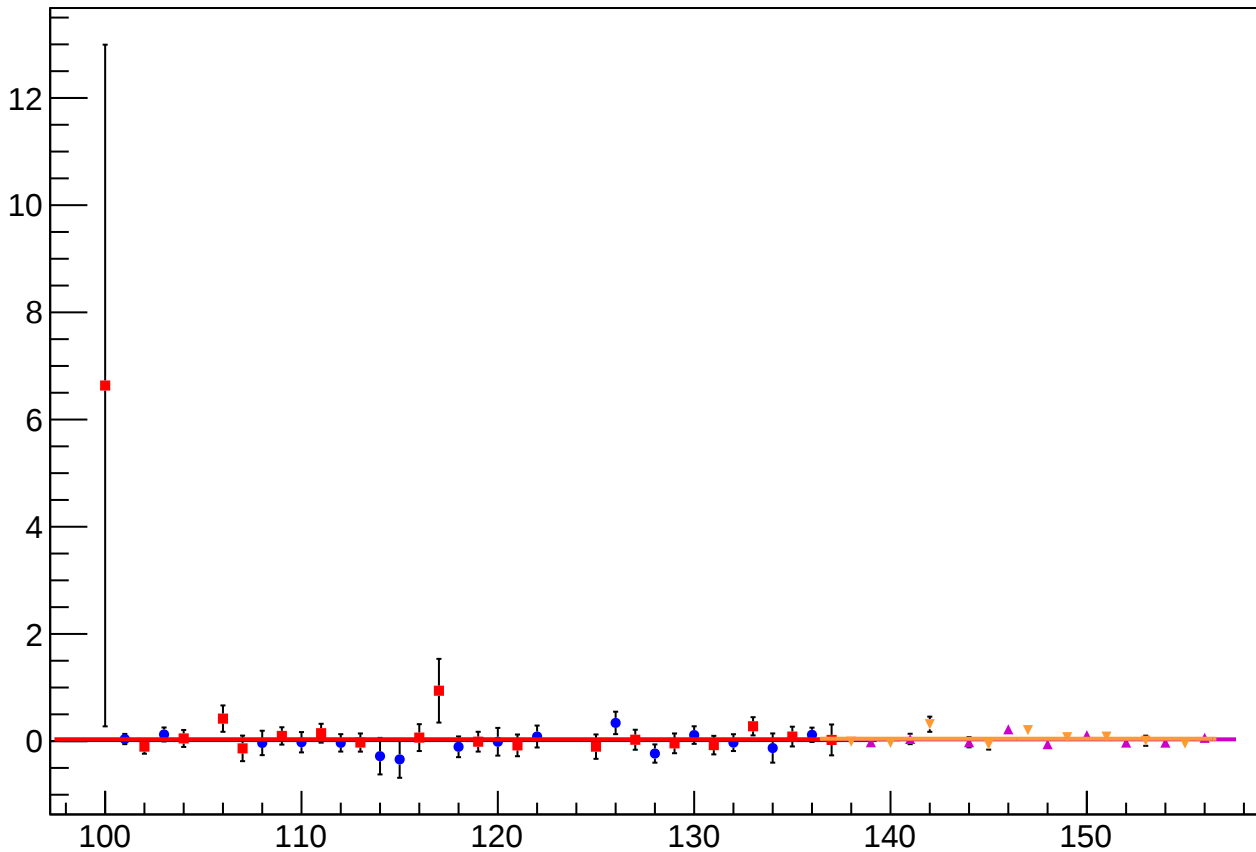
Right Out: -0.089+/-0.025 χ^2/NDF : 13.0/18

Left In: -0.089+/-0.021 χ^2/NDF : 11.9/8

-0.051+/-0.016 χ^2/NDF : 24.3/24

-0.089+/-0.016 χ^2/NDF : 24.9/27

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 ± 0.043 $\chi^2/\text{NDF}: 9.1/15$

Left Out: 0.045 ± 0.031 $\chi^2/\text{NDF}: 10.9/8$

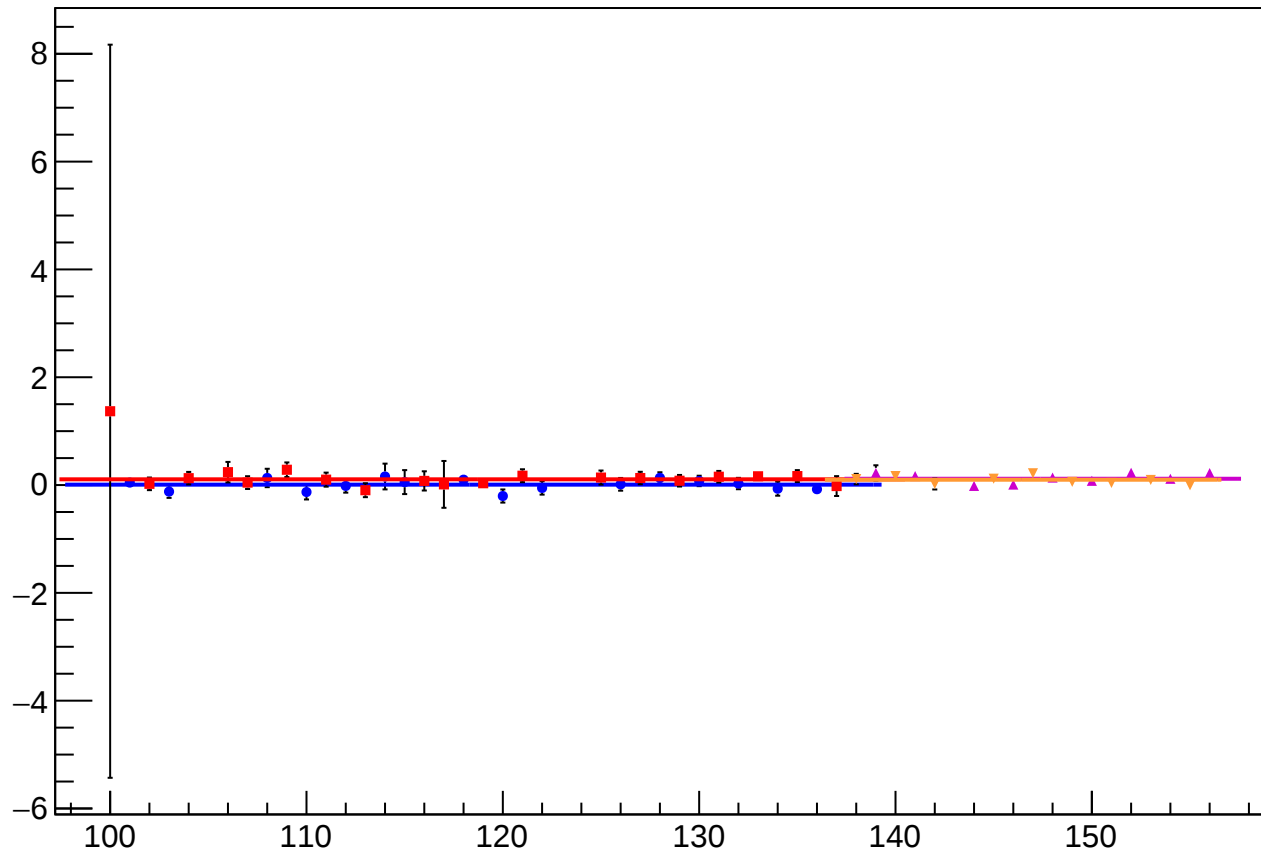
Right Out: 0.035 ± 0.045 $\chi^2/\text{NDF}: 11.6/18$

Left In: 0.033 ± 0.030 $\chi^2/\text{NDF}: 8.8/8$

0.037 ± 0.025 $\chi^2/\text{NDF}: 20.3/24$

0.034 ± 0.025 $\chi^2/\text{NDF}: 20.4/27$

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 ± 0.027 χ^2/NDF : 11.3/15

Left Out: 0.099 ± 0.026 χ^2/NDF : 8.1/8

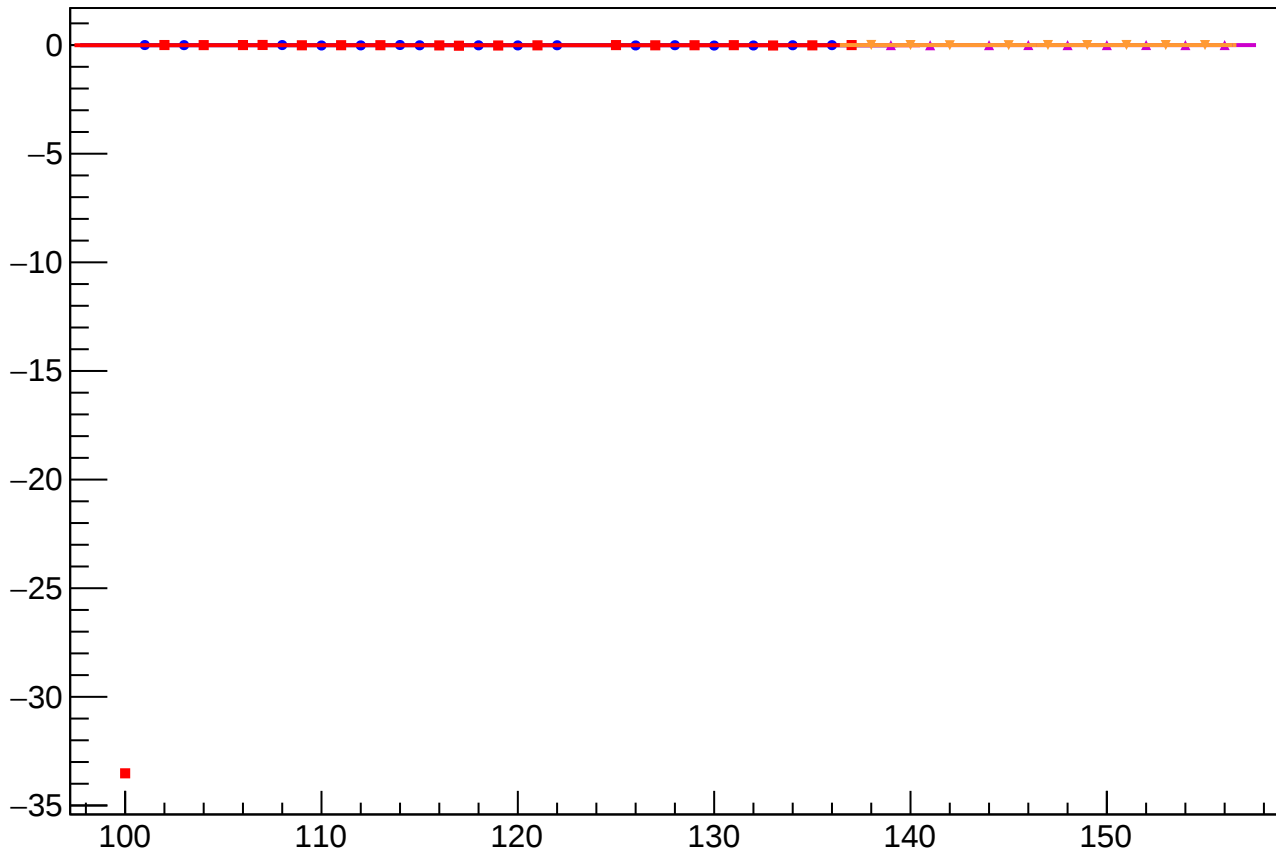
Right Out: 0.106 ± 0.029 χ^2/NDF : 8.2/18

Left In: 0.117 ± 0.025 χ^2/NDF : 11.2/8

0.055 ± 0.019 χ^2/NDF : 25.3/24

0.112 ± 0.019 χ^2/NDF : 19.5/27

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 21.8/15

Left Out: 0.001 $\pm$ 0.001 χ^2 /NDF: 6.7/8

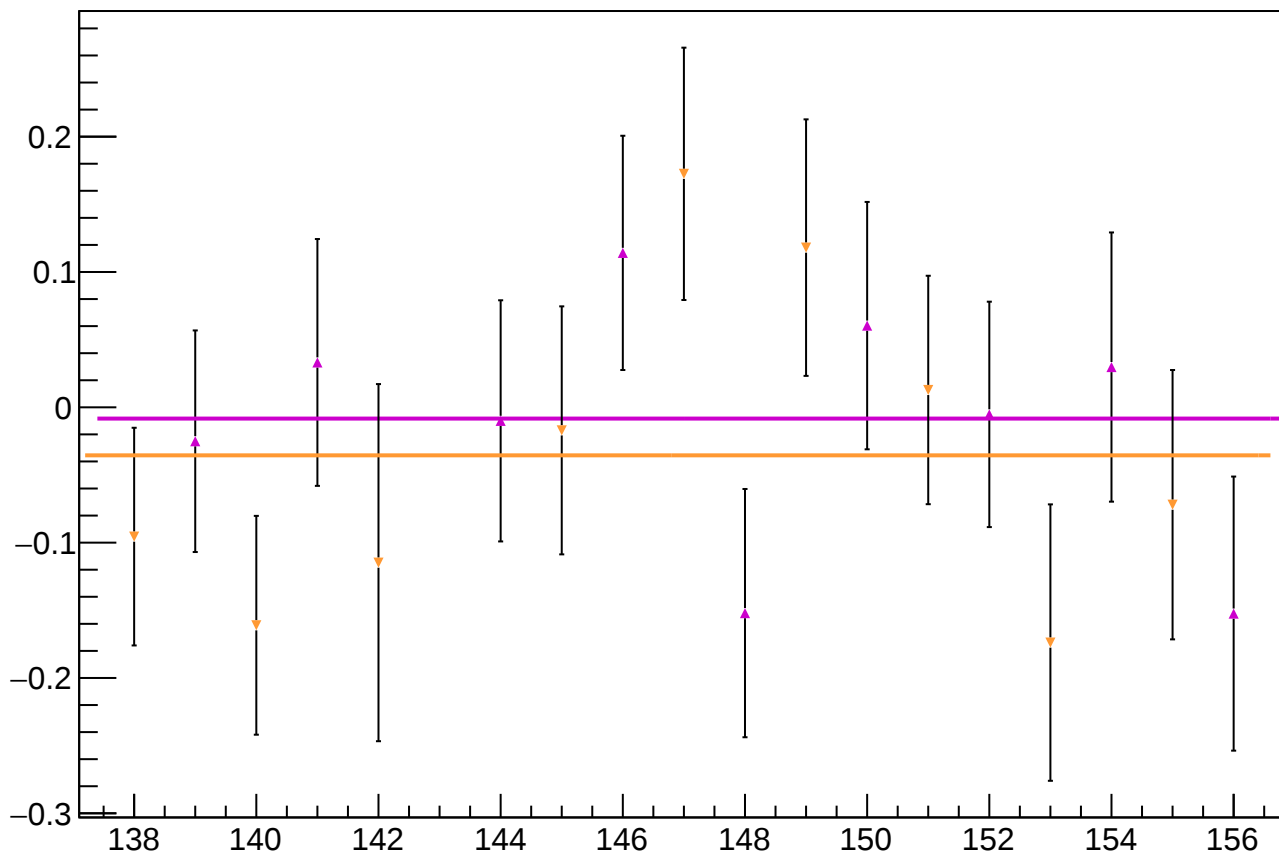
Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26509.5/18

Left In: -0.001 $\pm$ 0.001 χ^2 /NDF: 5.0/8

-0.002 $\pm$ 0.001 χ^2 /NDF: 38.5/24

-0.003 $\pm$ 0.001 χ^2 /NDF: 26522.8/27

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.035+/-0.031 χ^2/NDF : 13.3/8

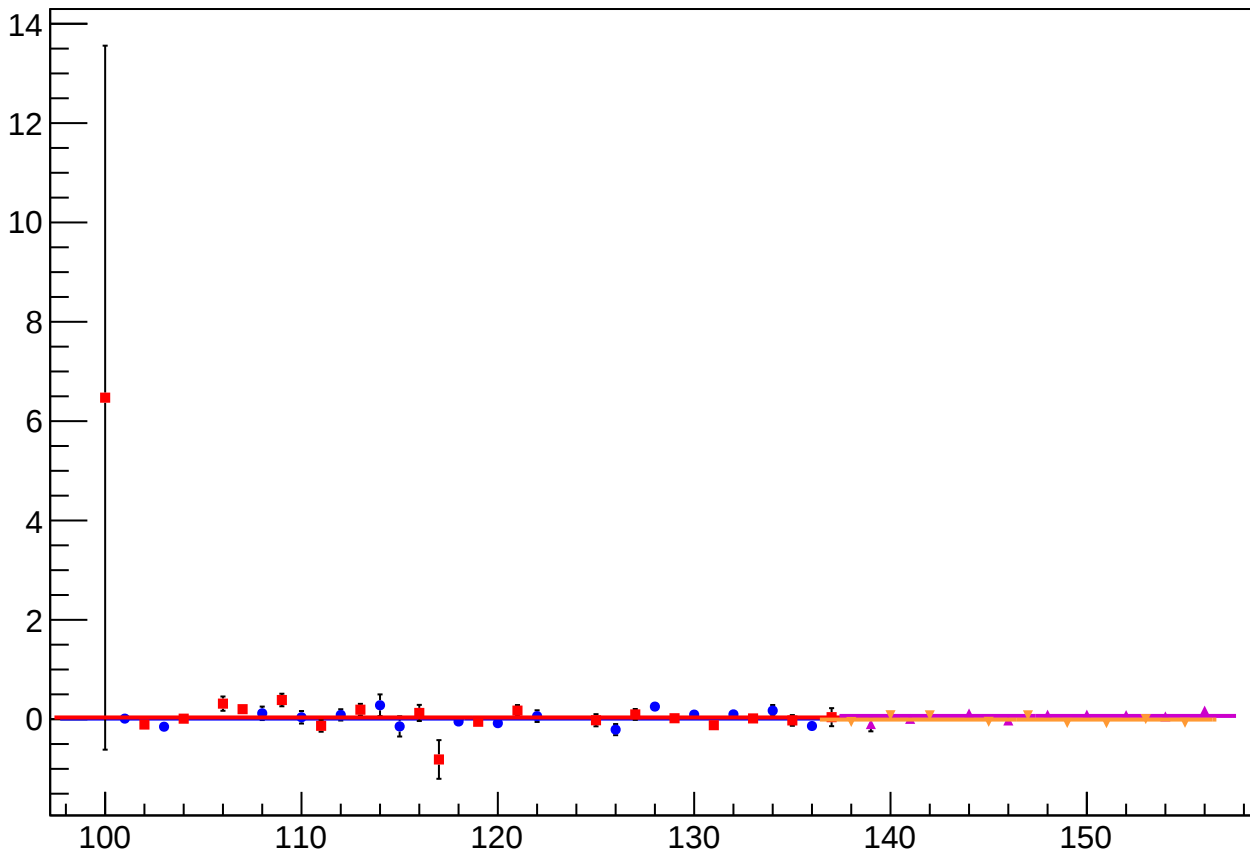
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.008+/-0.030 χ^2/NDF : 7.4/8

-0.035+/-0.031 χ^2/NDF : 13.3/8

-0.008+/-0.030 χ^2/NDF : 7.4/8

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: -0.008 ± 0.021 χ^2/NDF : 11.5/8

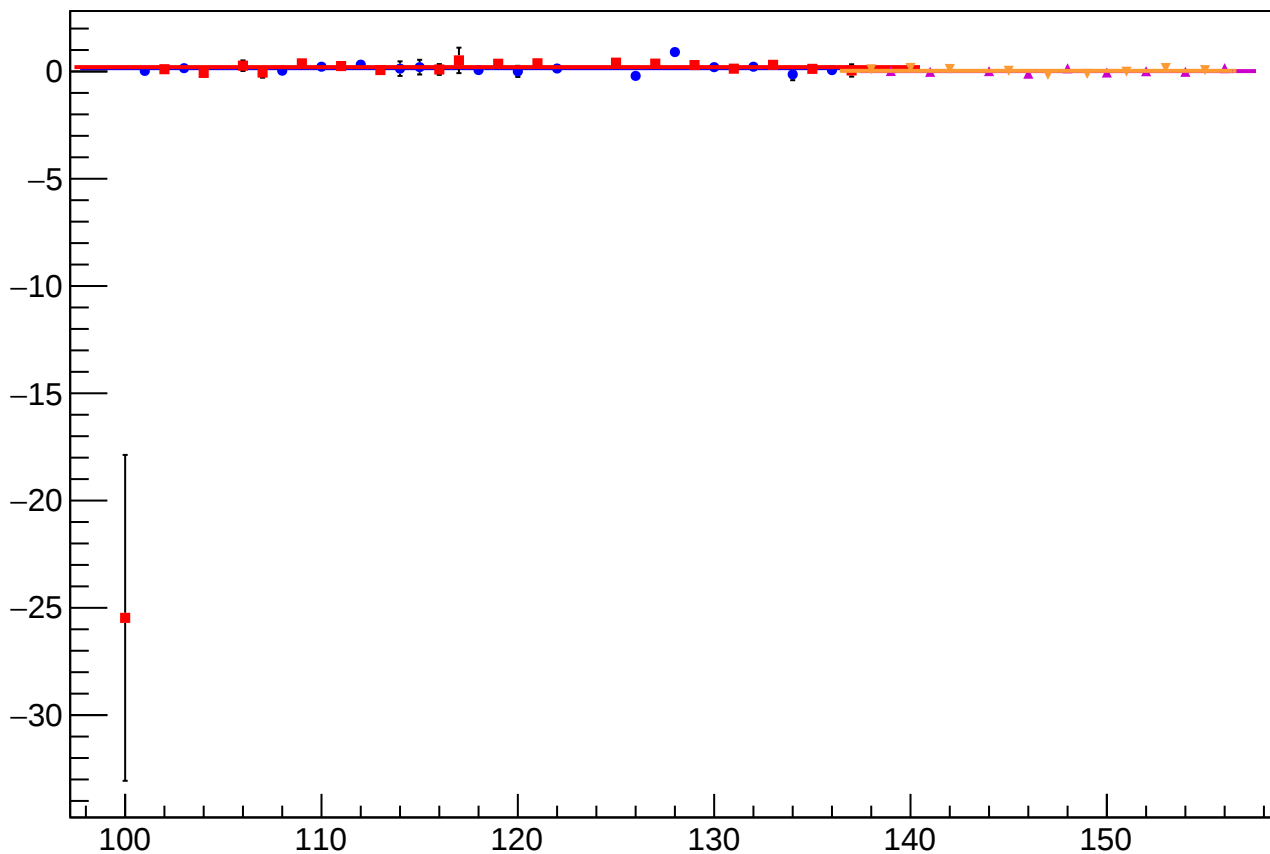
Right Out: 0.035 ± 0.025 χ^2/NDF : 33.2/18

Left In: 0.066 ± 0.021 χ^2/NDF : 8.7/8

0.001 ± 0.016 χ^2/NDF : 36.9/24

0.053 ± 0.016 χ^2/NDF : 42.8/27

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.043 χ^2/NDF : 27.9/15

Left Out: 0.030+/-0.031 χ^2/NDF : 13.0/8

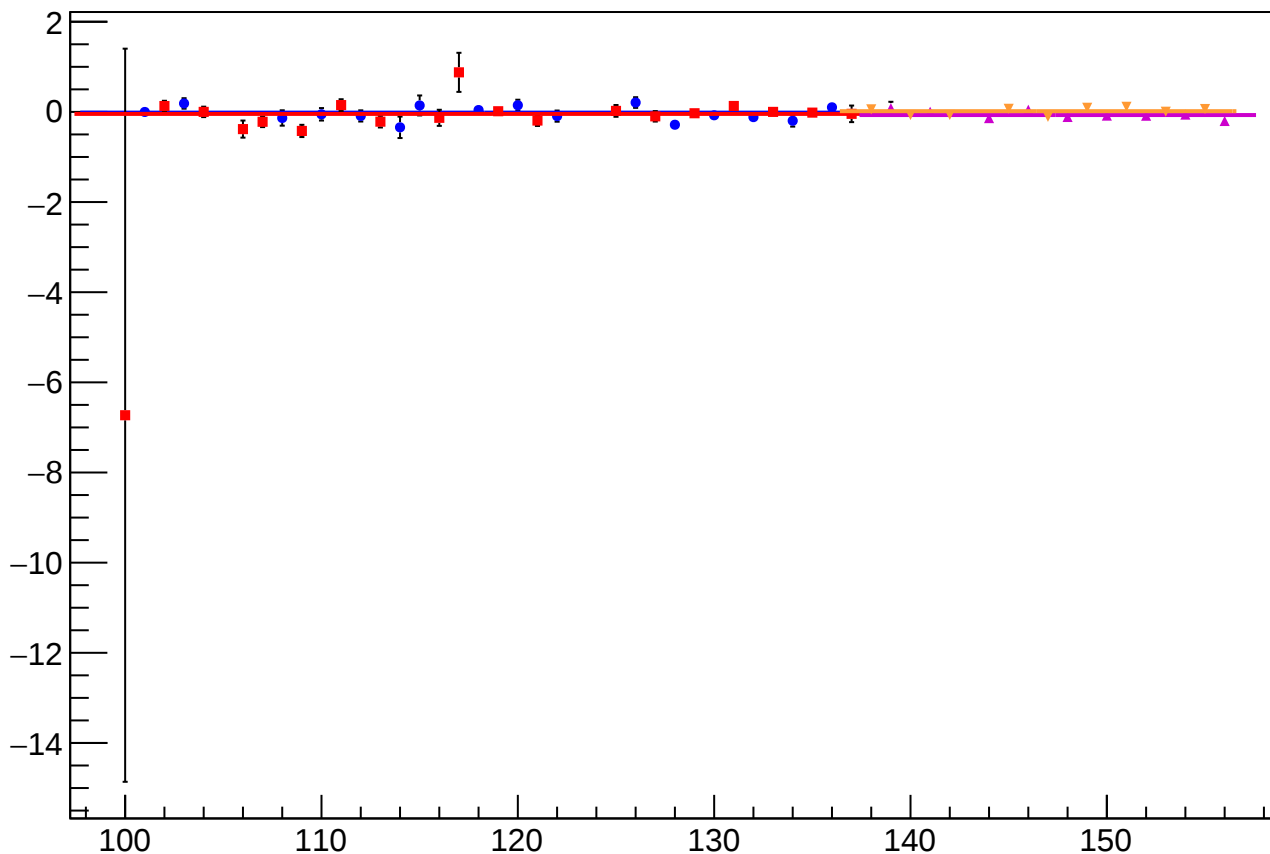
Right Out: 0.203+/-0.045 χ^2/NDF : 22.9/18

Left In: 0.017+/-0.030 χ^2/NDF : 7.4/8

0.072+/-0.025 χ^2/NDF : 46.5/24

0.073+/-0.025 χ^2/NDF : 42.2/27

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.016 ± 0.026 χ^2/NDF : 10.5/8

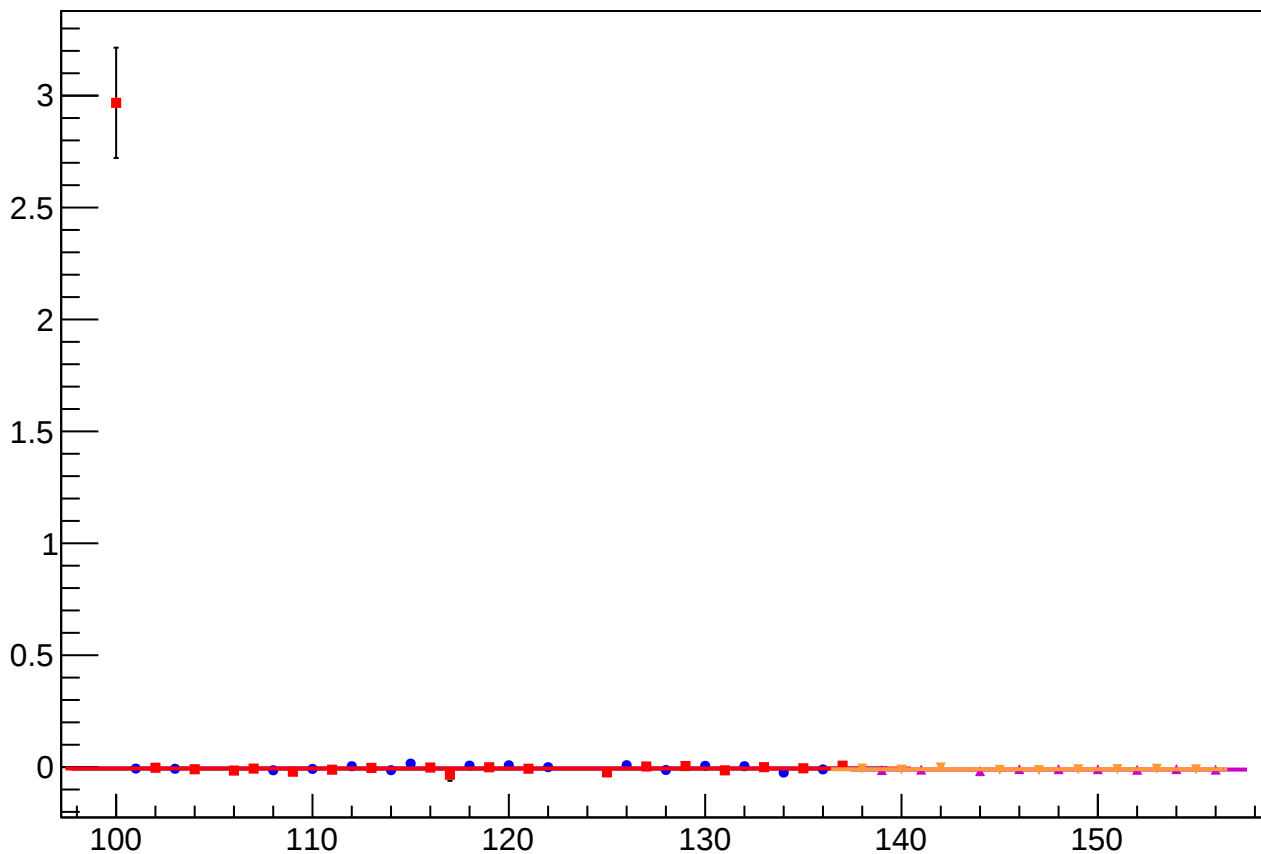
Right Out: -0.044 ± 0.029 χ^2/NDF : 30.5/18

Left In: -0.070 ± 0.025 χ^2/NDF : 9.4/8

0.001 ± 0.019 χ^2/NDF : 35.6/24

-0.059 ± 0.019 χ^2/NDF : 40.3/27

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.009 ± 0.001 χ^2/NDF : 4.9/8

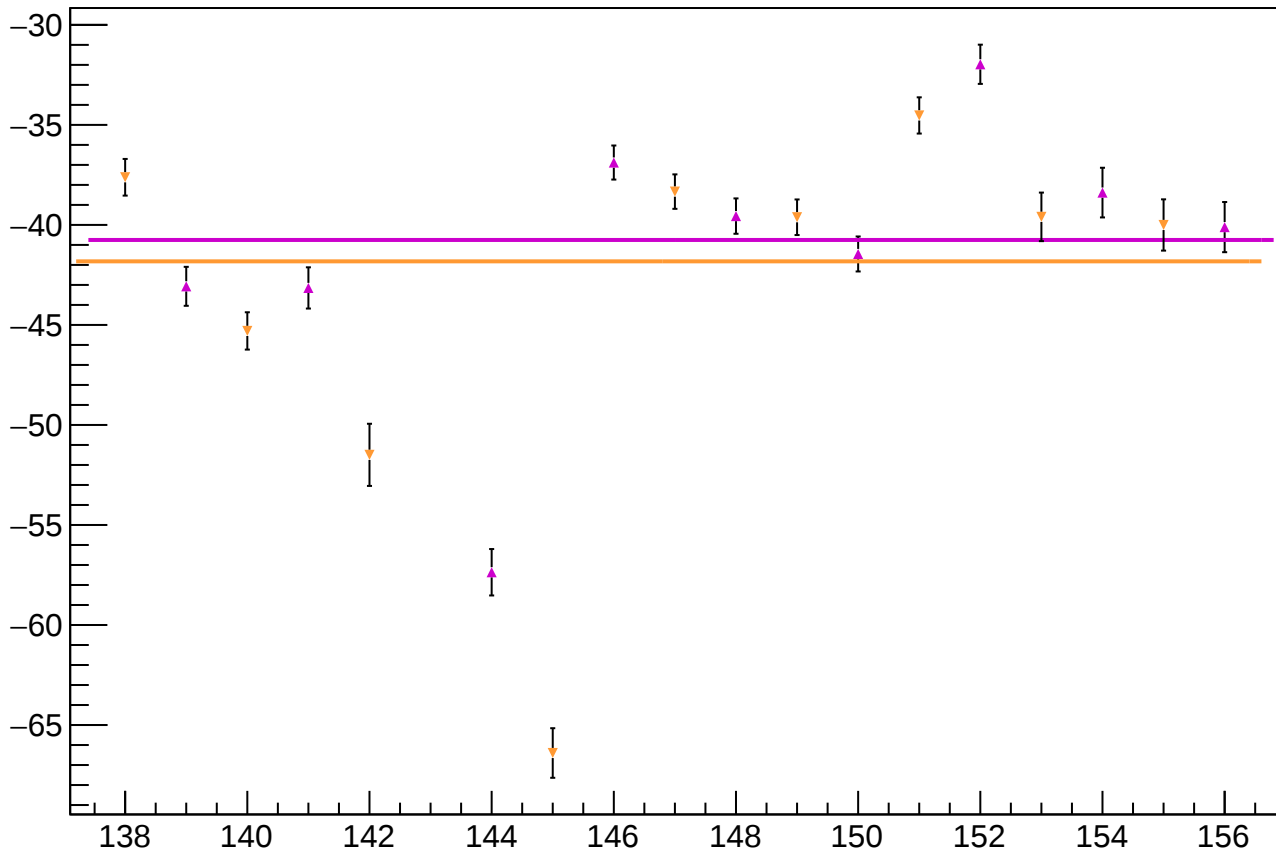
Right Out: -0.006 ± 0.001 χ^2/NDF : 167.0/18

Left In: -0.011 ± 0.001 χ^2/NDF : 4.6/8

-0.008 ± 0.001 χ^2/NDF : 35.1/24

-0.009 ± 0.001 χ^2/NDF : 178.2/27

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -41.821+/-0.343 χ^2/NDF : 559.6/8

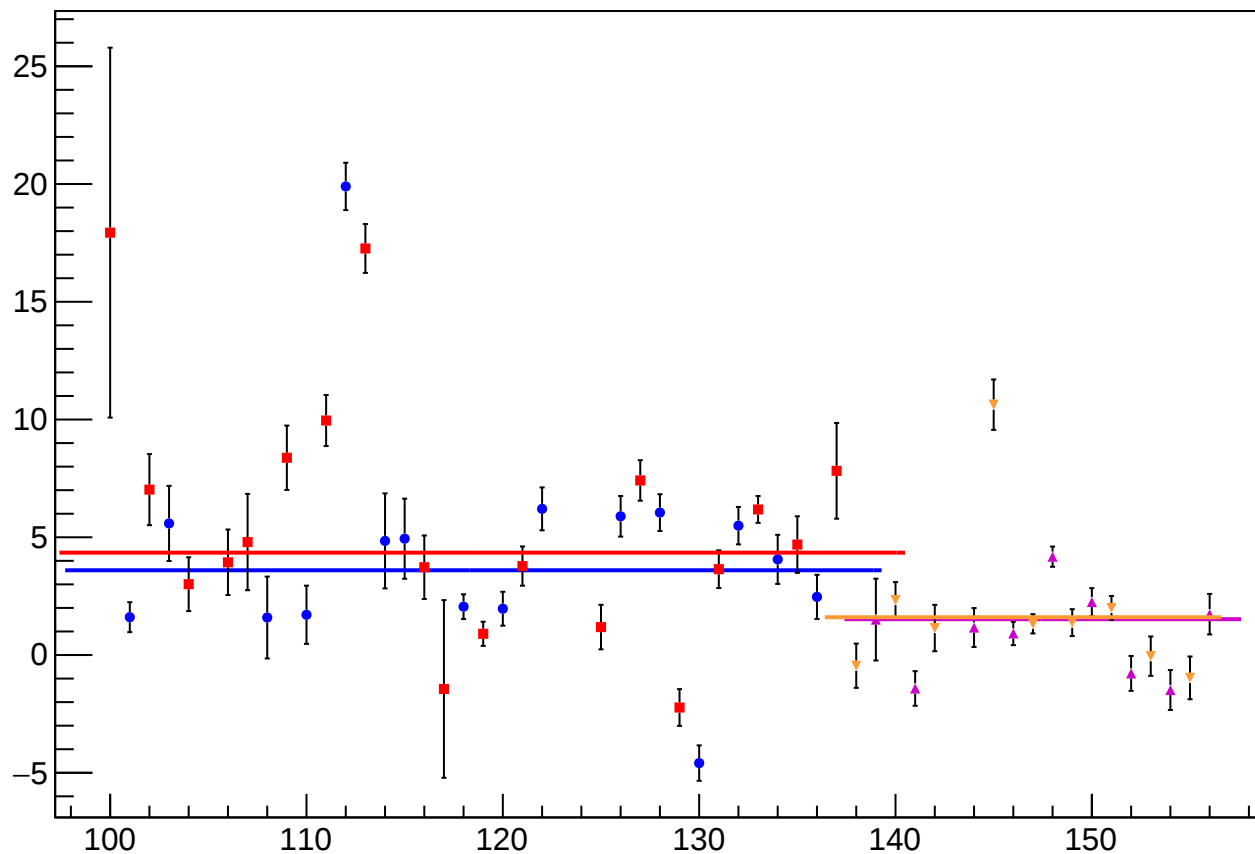
-41.821+/-0.343 χ^2/NDF : 559.6/8

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

-40.752+/-0.333 χ^2/NDF : 323.3/8

Left In: -40.752+/-0.333 χ^2/NDF : 323.3/8

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 443.4/15$

Left Out: 1.604 ± 0.222 $\chi^2/\text{NDF}: 90.1/8$

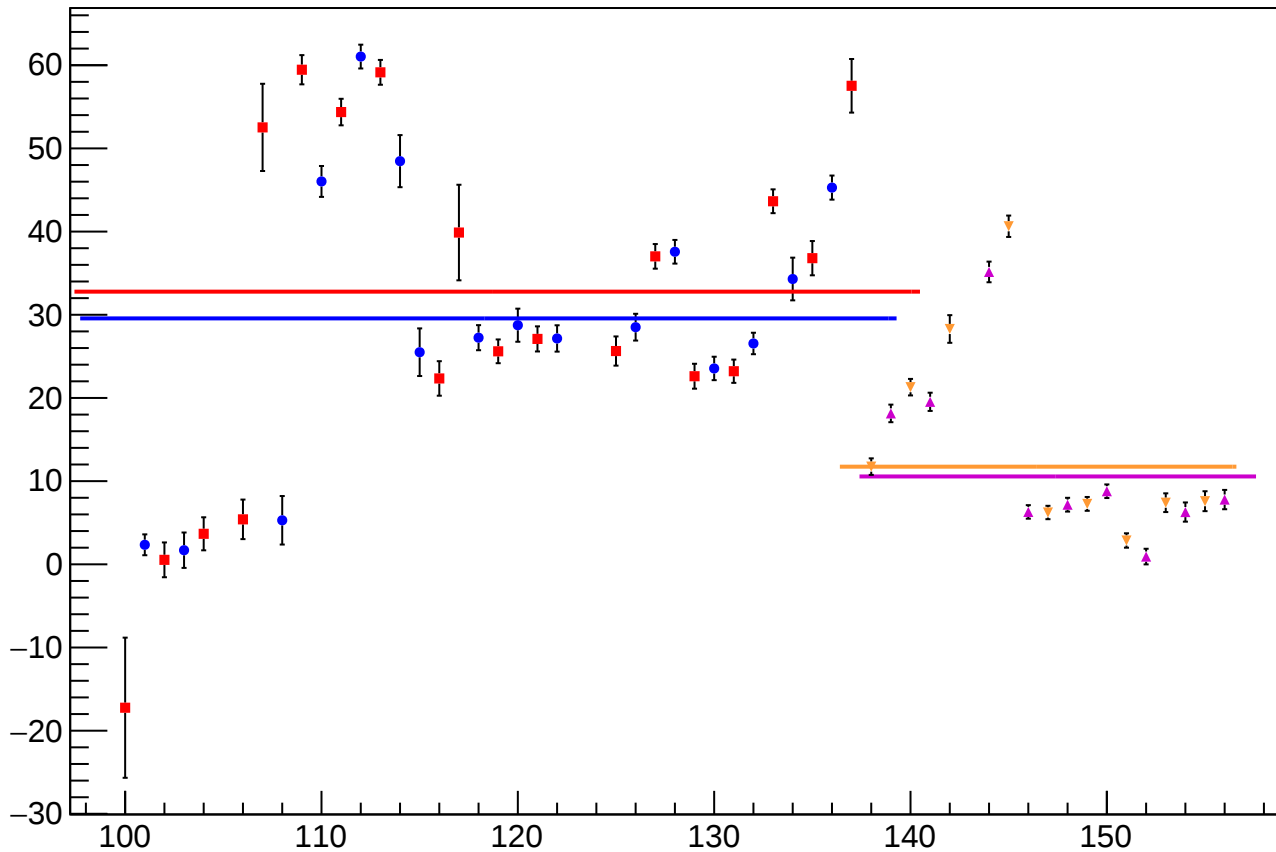
Right Out: 4.347 ± 0.224 $\chi^2/\text{NDF}: 355.4/18$

Left In: 1.522 ± 0.221 $\chi^2/\text{NDF}: 79.8/8$

2.608 ± 0.156 $\chi^2/\text{NDF}: 574.3/24$

2.910 ± 0.157 $\chi^2/\text{NDF}: 515.9/27$

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 11.739 $\pm$ 0.337 χ^2 /NDF: 904.2/8

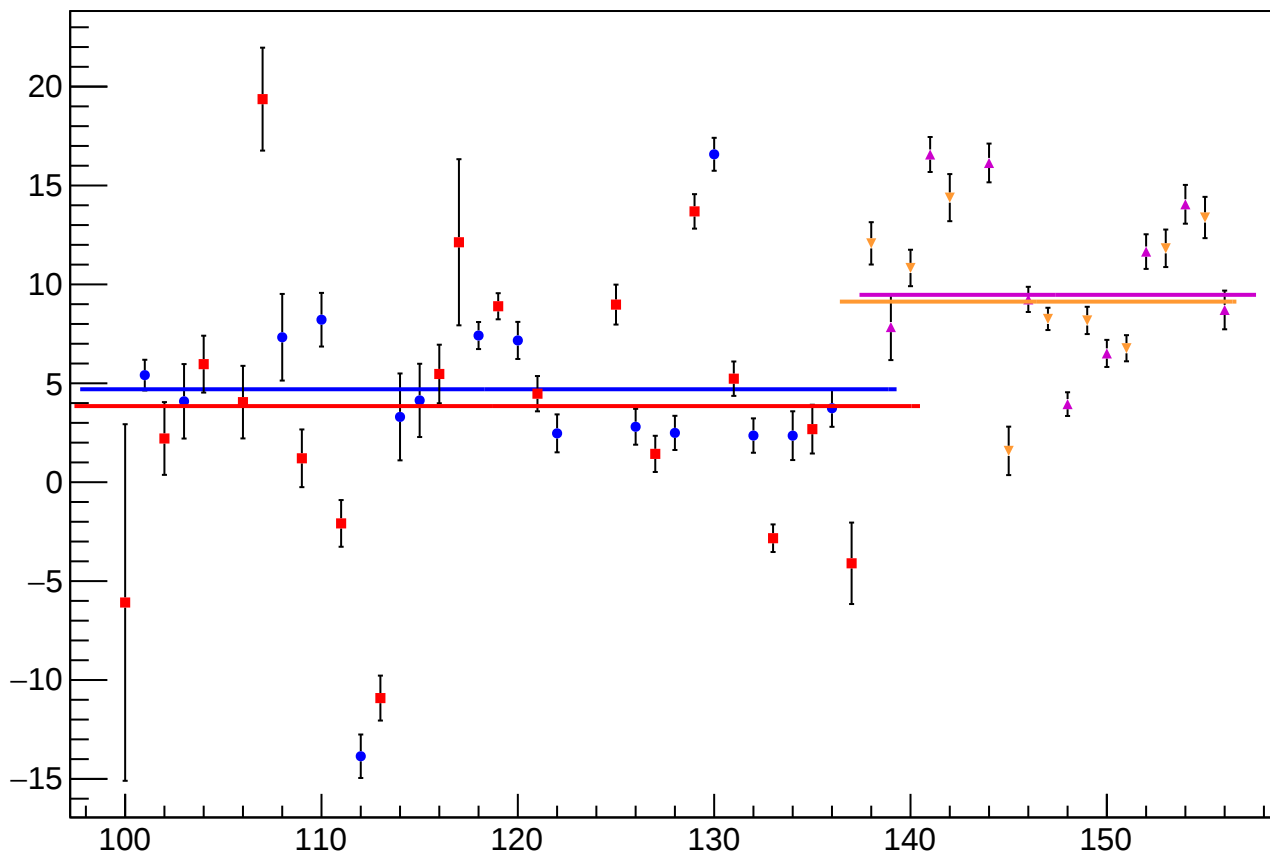
Right Out: 32.780 $\pm$ 0.422 χ^2 /NDF: 1664.8/18

Left In: 10.563 $\pm$ 0.325 χ^2 /NDF: 684.7/8

18.730 $\pm$ 0.263 χ^2 /NDF: 3496.0/24

18.845 $\pm$ 0.257 χ^2 /NDF: 4091.1/27

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 $\chi^2/\text{NDF}: 548.9/15$

Left Out: 9.130 ± 0.277 $\chi^2/\text{NDF}: 110.1/8$

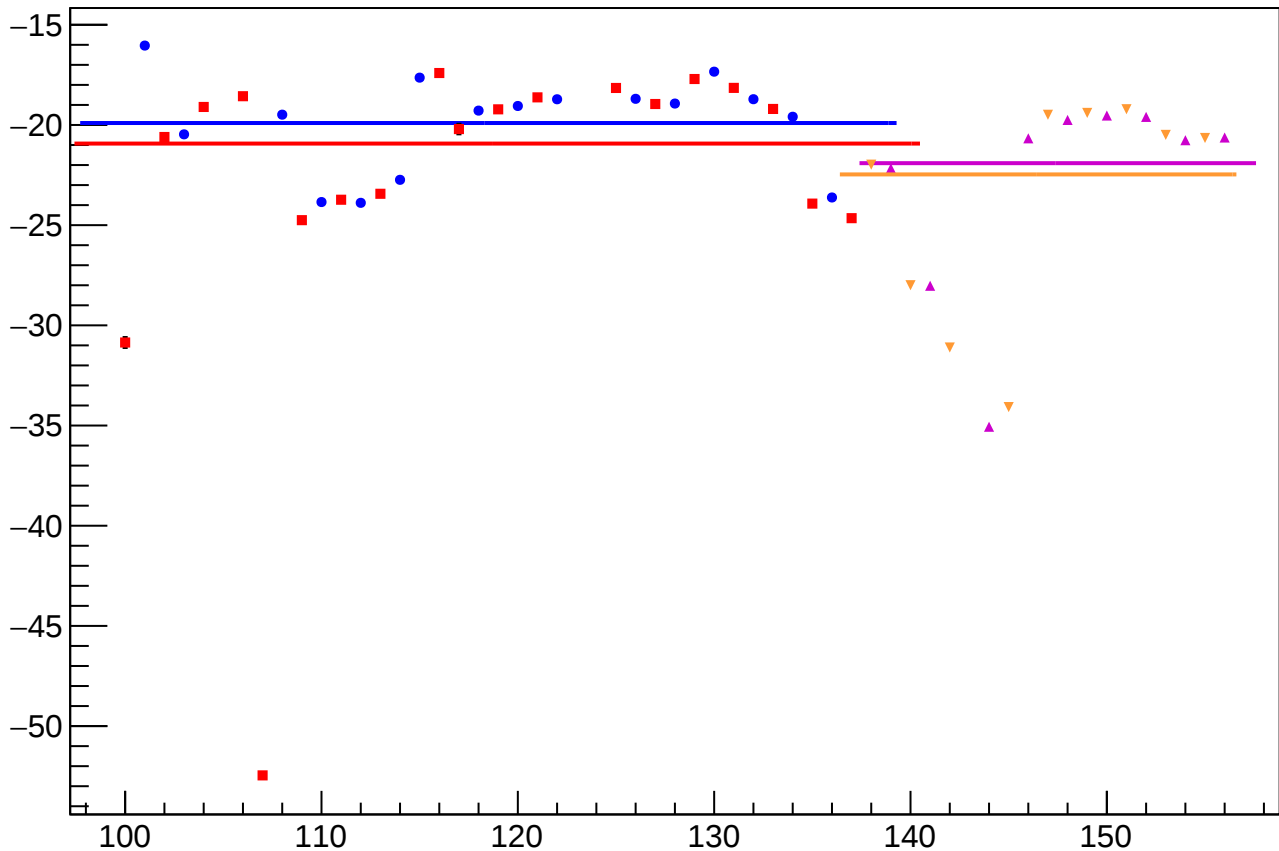
Right Out: 3.848 ± 0.258 $\chi^2/\text{NDF}: 571.5/18$

Left In: 9.473 ± 0.273 $\chi^2/\text{NDF}: 244.0/8$

6.720 ± 0.187 $\chi^2/\text{NDF}: 797.9/24$

6.505 ± 0.187 $\chi^2/\text{NDF}: 1040.1/27$

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -22.468 ± 0.014 $\chi^2/\text{NDF}: 110414.1/8$

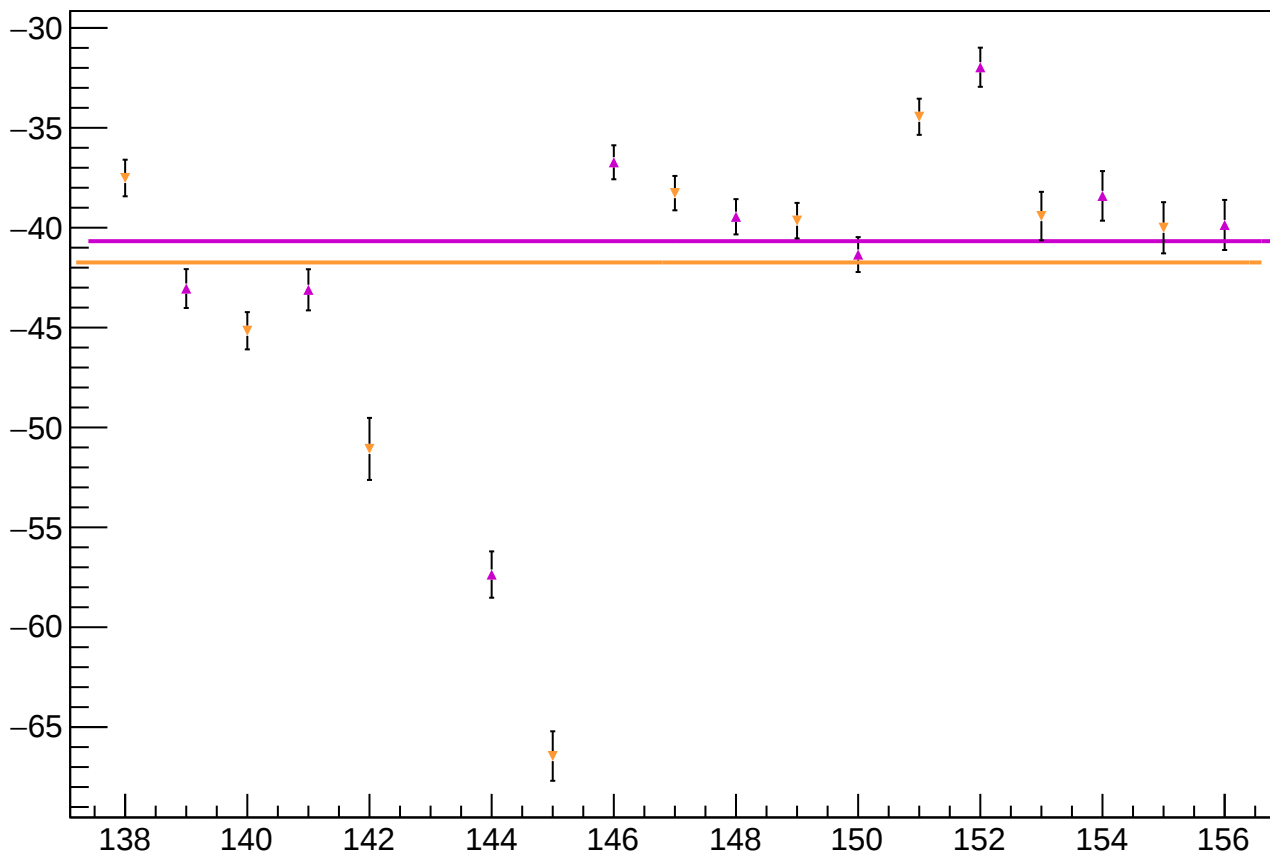
Right Out: -20.928 ± 0.016 $\chi^2/\text{NDF}: 94015.9/18$

Left In: -21.906 ± 0.013 $\chi^2/\text{NDF}: 92604.4/8$

-21.336 ± 0.010 $\chi^2/\text{NDF}: 151486.8/24$

-21.508 ± 0.010 $\chi^2/\text{NDF}: 188921.2/27$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

Left Out: -41.740+/-0.342 χ^2/NDF : 561.0/8

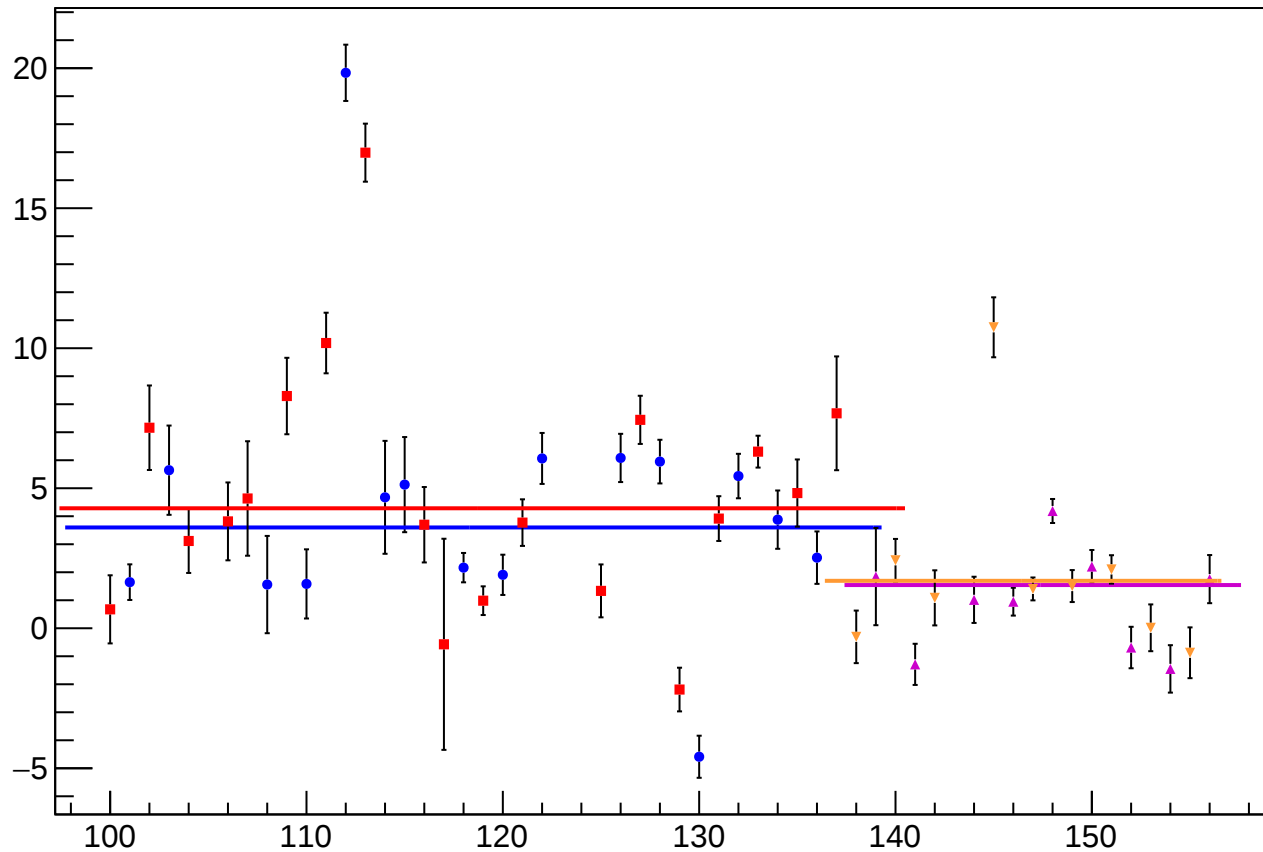
-41.740+/-0.342 χ^2/NDF : 561.0/8

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

-40.675+/-0.333 χ^2/NDF : 325.4/8

Left In: -40.675+/-0.333 χ^2/NDF : 325.4/8

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 $\pm$ 0.220 χ^2 /NDF: 440.3/15

Left Out: 1.694 $\pm$ 0.222 χ^2 /NDF:90.7/8

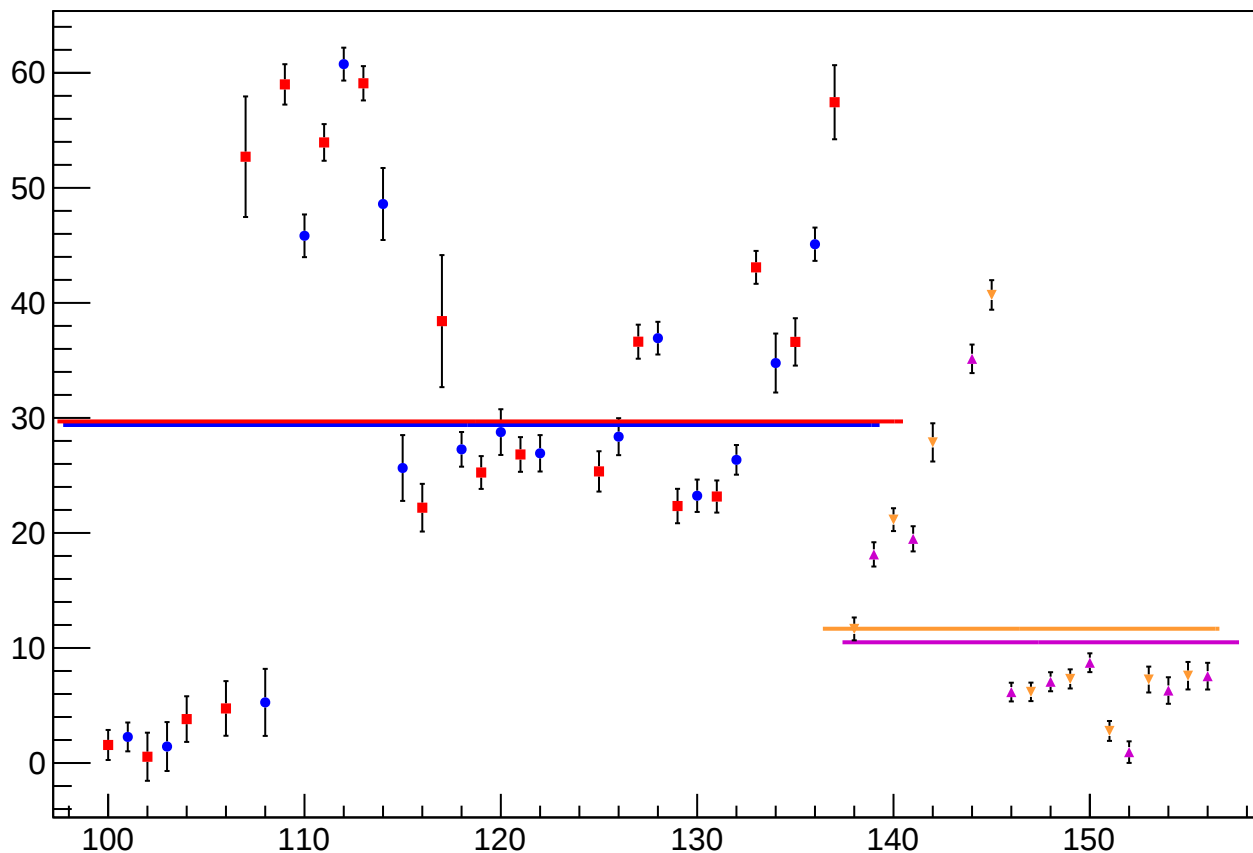
Right Out: 4.284 $\pm$ 0.221 χ^2 /NDF: 353.8/18

Left In: 1.543 $\pm$ 0.220 χ^2 /NDF:77.7/8

2.653 $\pm$ 0.156 χ^2 /NDF: 568.1/24

2.912 $\pm$ 0.156 χ^2 /NDF: 508.7/27

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 $\pm$ 0.419 χ^2/NDF : 1488.6/15

Left Out: 11.674 $\pm$ 0.337 χ^2/NDF : 902.6/8

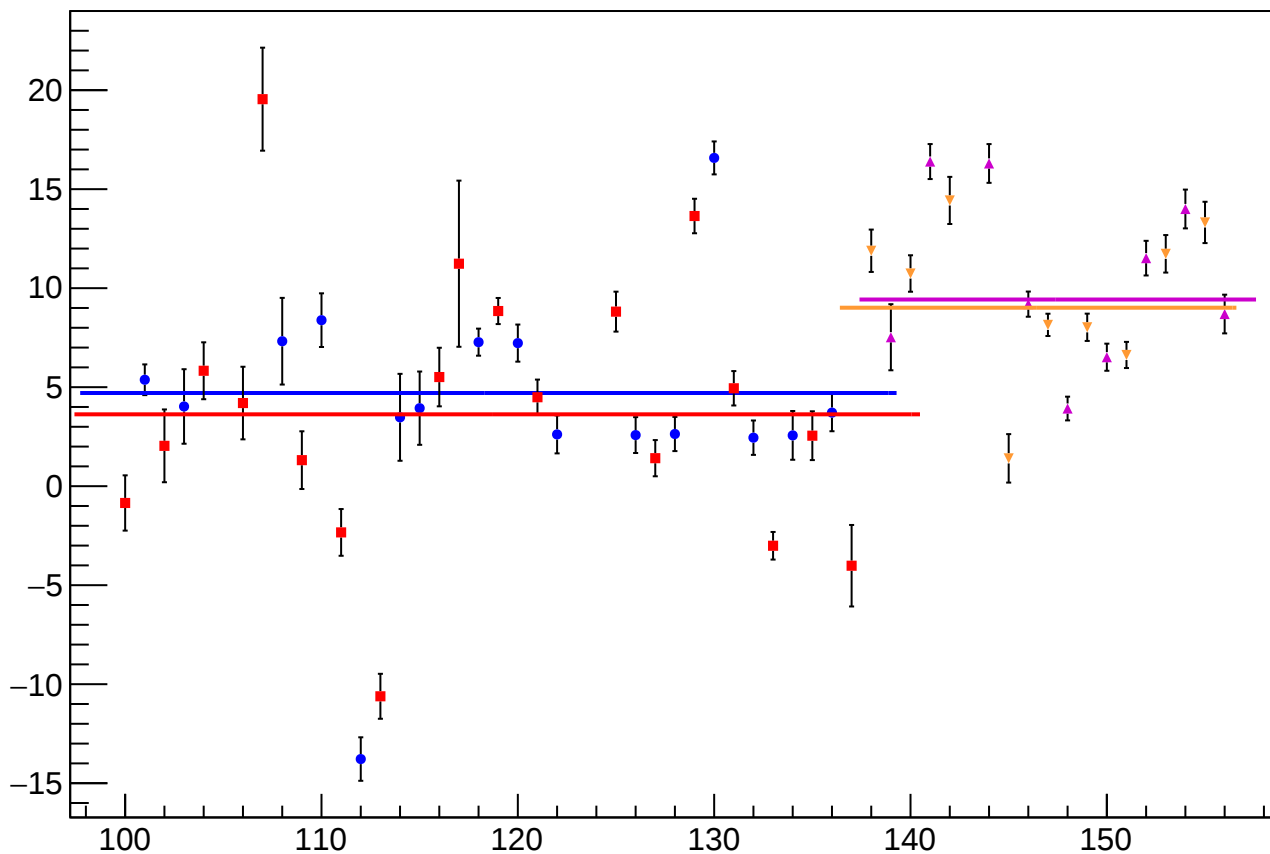
Right Out: 29.695 $\pm$ 0.401 χ^2/NDF : 2133.3/18

Left In: 10.495 $\pm$ 0.325 χ^2/NDF : 688.2/8

18.621 $\pm$ 0.263 χ^2/NDF : 3476.2/24

18.093 $\pm$ 0.252 χ^2/NDF : 4204.2/27

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 9.013 ± 0.277 $\chi^2/\text{NDF}: 112.9/8$

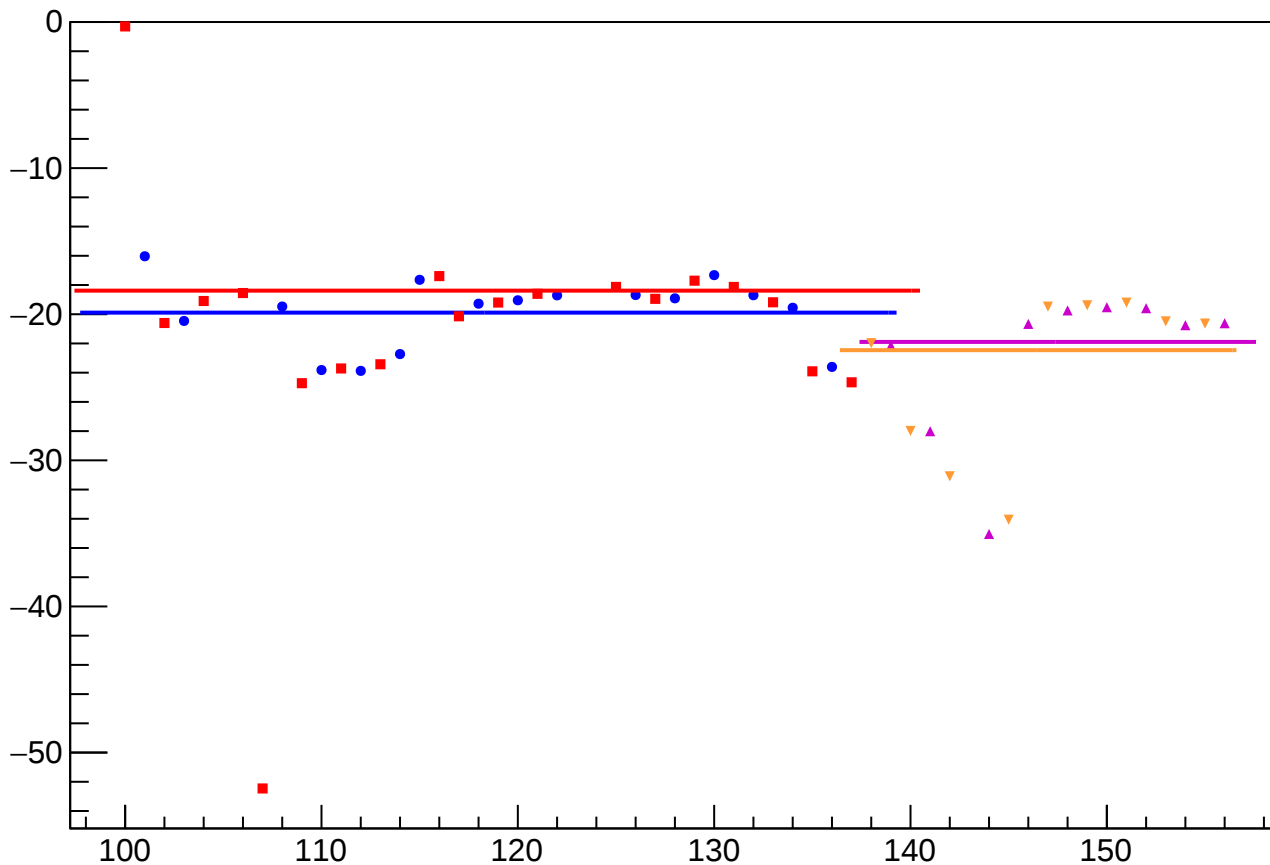
Right Out: 3.629 ± 0.254 $\chi^2/\text{NDF}: 576.7/18$

Left In: 9.427 ± 0.272 $\chi^2/\text{NDF}: 243.4/8$

6.671 ± 0.187 $\chi^2/\text{NDF}: 789.4/24$

6.320 ± 0.186 $\chi^2/\text{NDF}: 1062.8/27$

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$

Left Out: -22.459 ± 0.014 $\chi^2/\text{NDF}: 110478.9/8$

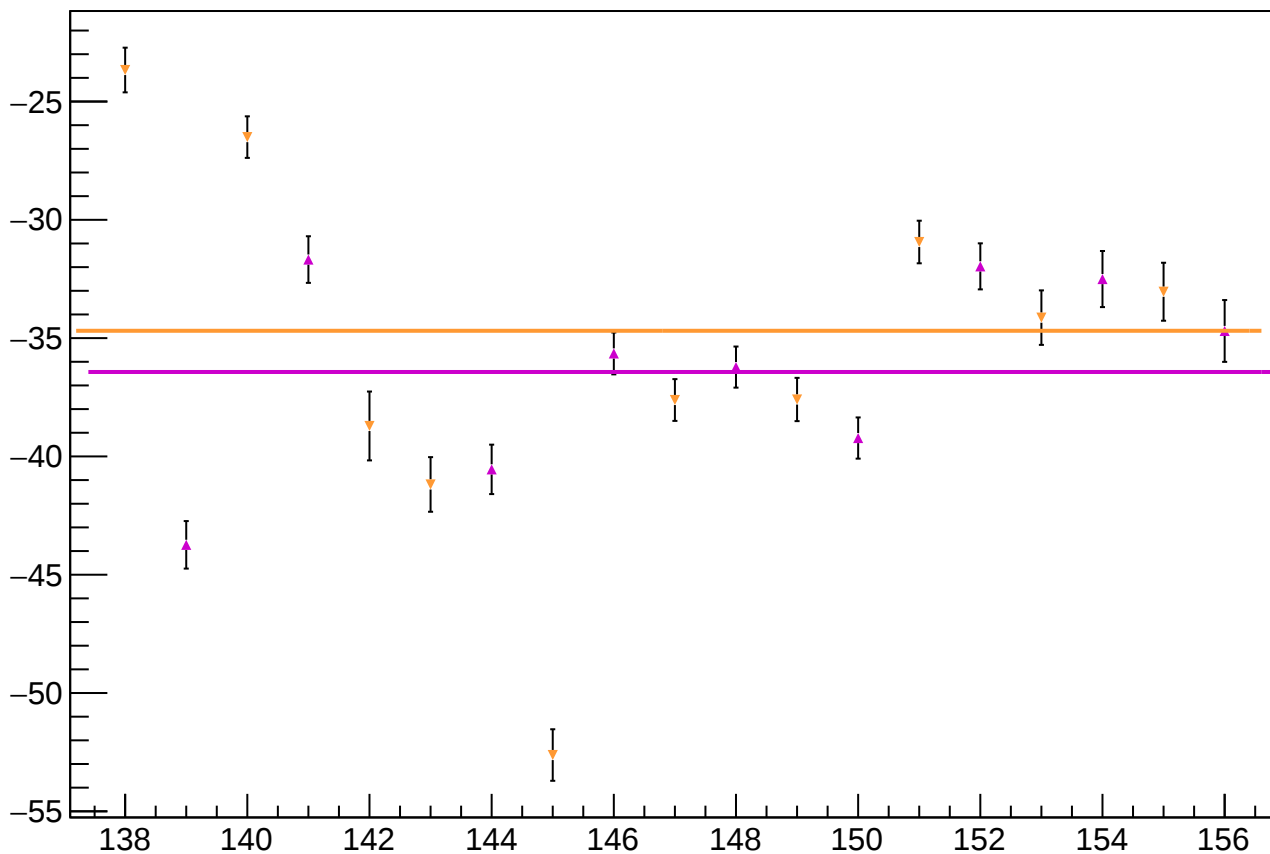
Right Out: -18.386 ± 0.015 $\chi^2/\text{NDF}: 301044.3/18$

Left In: -21.895 ± 0.013 $\chi^2/\text{NDF}: 92557.1/8$

-21.326 ± 0.010 $\chi^2/\text{NDF}: 151605.2/24$

-20.357 ± 0.010 $\chi^2/\text{NDF}: 425508.6/27$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



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

Left Out: -34.690+/-0.322 χ^2/NDF : 573.9/9

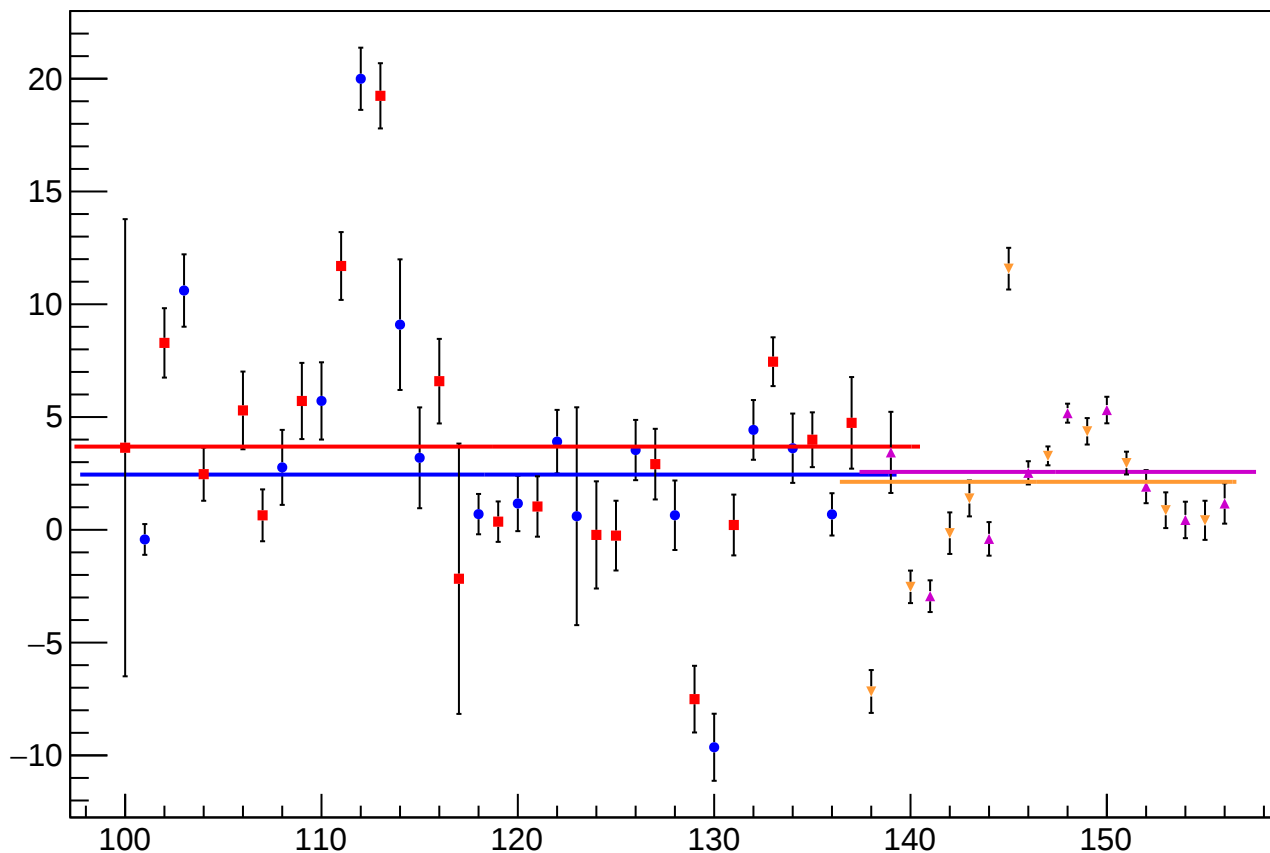
-34.690+/-0.322 χ^2/NDF : 573.9/9

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

-36.431+/-0.329 χ^2/NDF : 136.6/8

Left In: -36.431+/-0.329 χ^2/NDF : 136.6/8

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 2.128 ± 0.211 χ^2/NDF : 280.1/9

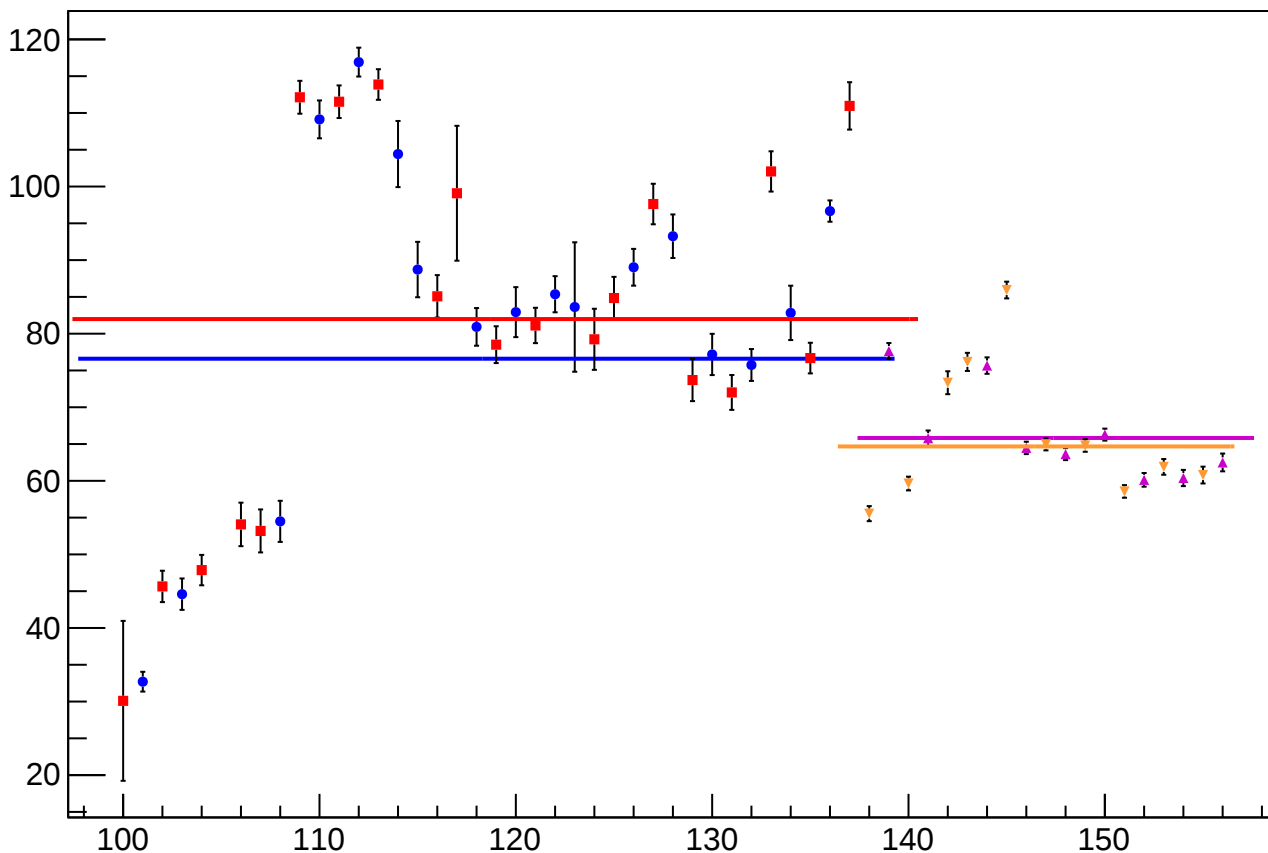
Right Out: 3.690 ± 0.326 χ^2/NDF : 270.4/19

Left In: 2.568 ± 0.218 χ^2/NDF : 147.7/8

2.228 ± 0.175 χ^2/NDF : 576.2/26

2.914 ± 0.181 χ^2/NDF : 426.2/28

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 +/- 0.576 χ^2/NDF : 2255.1/16

Left Out: 64.676 +/- 0.320 χ^2/NDF : 644.9/9

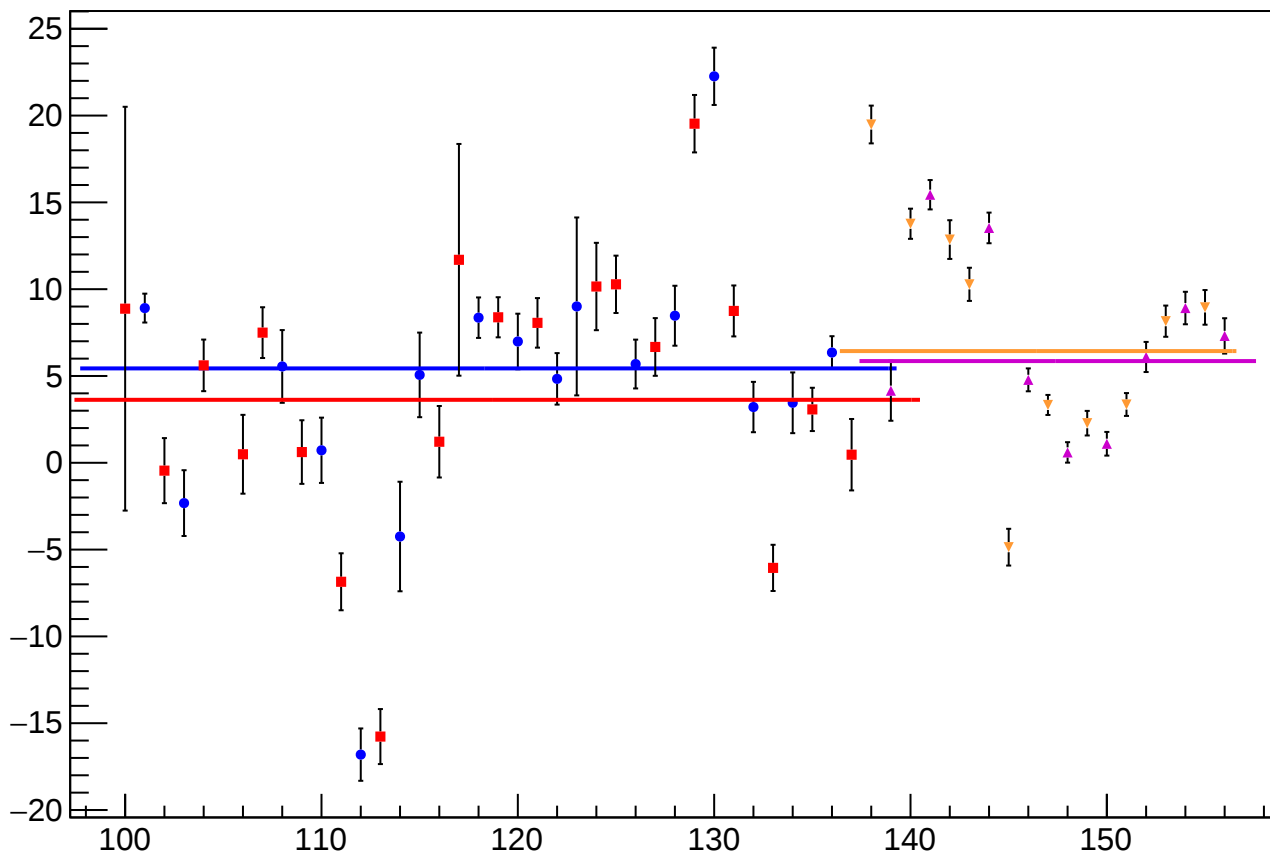
Right Out: 81.987 +/- 0.591 χ^2/NDF : 1574.2/19

Left In: 65.826 +/- 0.322 χ^2/NDF : 274.6/8

67.485 +/- 0.280 χ^2/NDF : 3227.5/26

69.532 +/- 0.283 χ^2/NDF : 2425.5/28

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 $\pm$ 0.360 χ^2/NDF : 387.2/16

Left Out: 6.434 $\pm$ 0.262 χ^2/NDF : 473.6/9

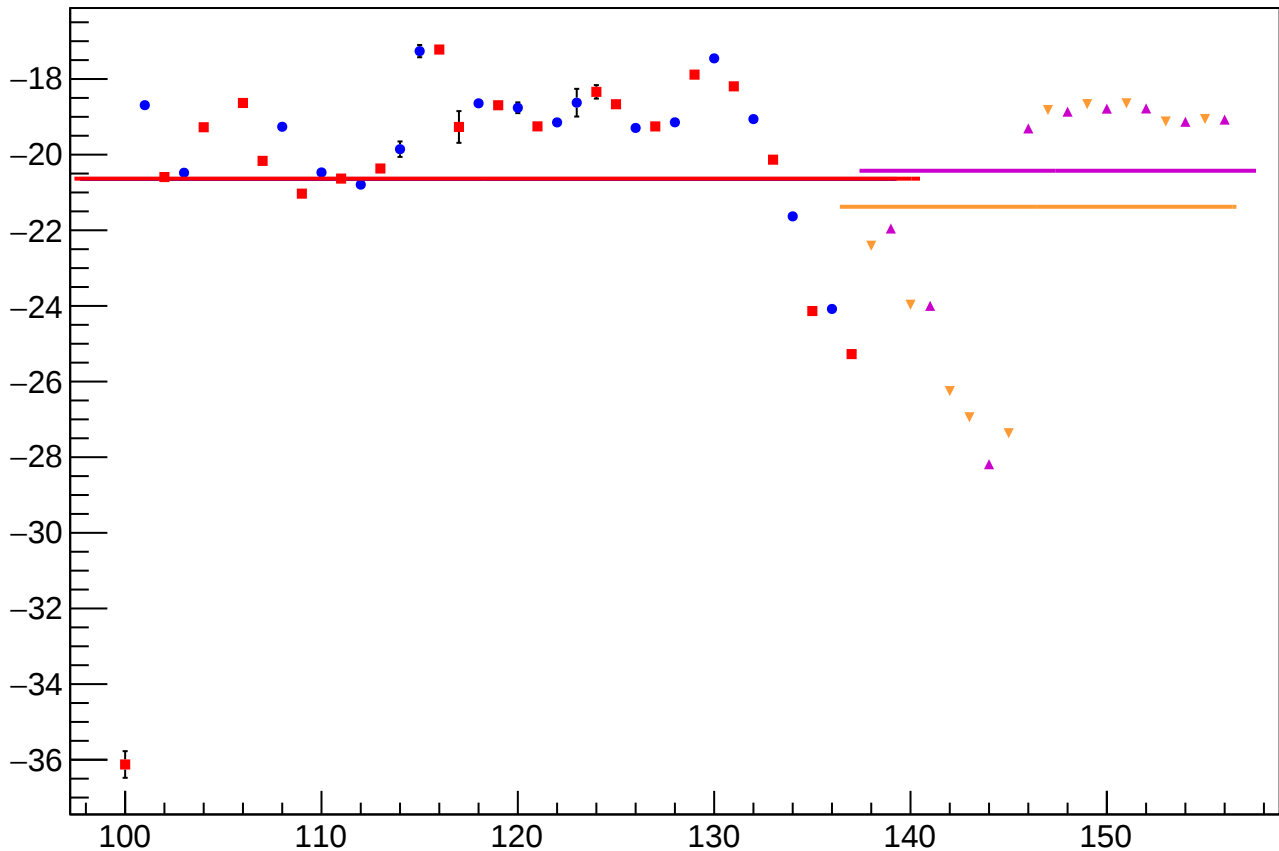
Right Out: 3.628 $\pm$ 0.374 χ^2/NDF : 424.8/19

Left In: 5.859 $\pm$ 0.269 χ^2/NDF : 348.7/8

6.088 $\pm$ 0.212 χ^2/NDF : 865.9/26

5.098 $\pm$ 0.219 χ^2/NDF : 796.9/28

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -21.378 ± 0.013 $\chi^2/\text{NDF}: 63172.1/9$

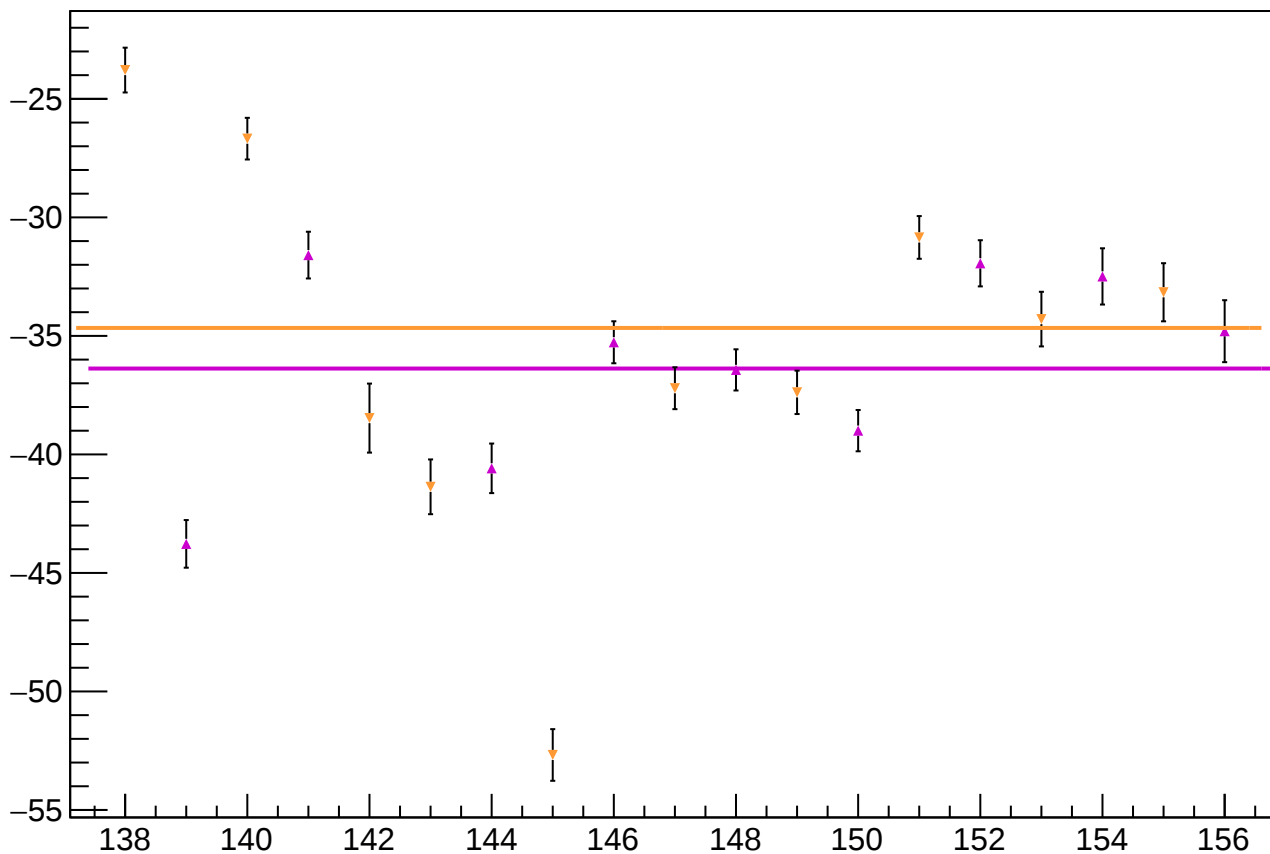
Right Out: -20.635 ± 0.019 $\chi^2/\text{NDF}: 13794.0/19$

Left In: -20.426 ± 0.013 $\chi^2/\text{NDF}: 43194.7/8$

-21.146 ± 0.011 $\chi^2/\text{NDF}: 76596.3/26$

-20.490 ± 0.011 $\chi^2/\text{NDF}: 57069.1/28$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -34.663+/-0.323 χ^2/NDF : 565.6/9

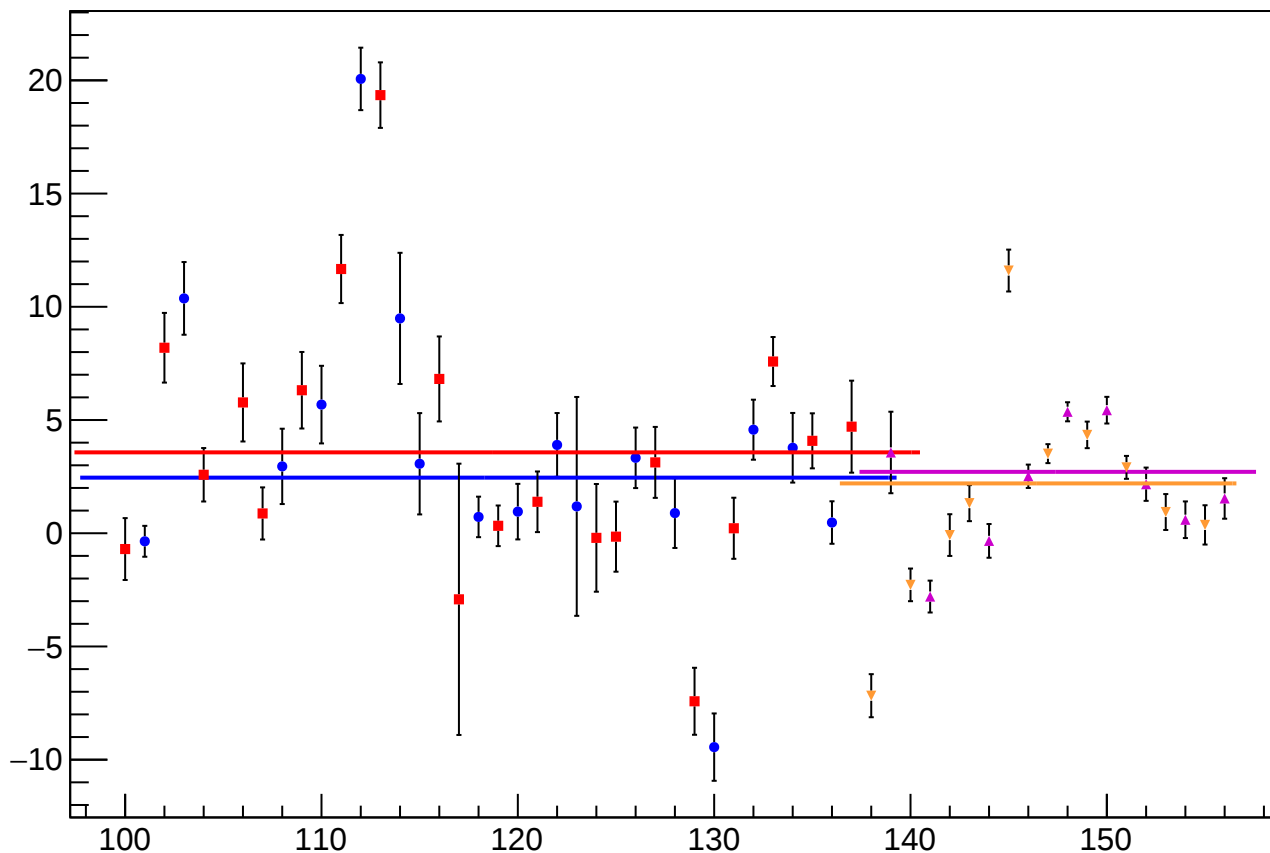
-34.663+/-0.323 χ^2/NDF : 565.6/9

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

Left In: -36.377+/-0.330 χ^2/NDF : 137.5/8

-36.377+/-0.330 χ^2/NDF : 137.5/8

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455+/-0.315 χ^2/NDF : 293.5/16

Left Out: 2.200+/-0.211 χ^2/NDF : 278.6/9

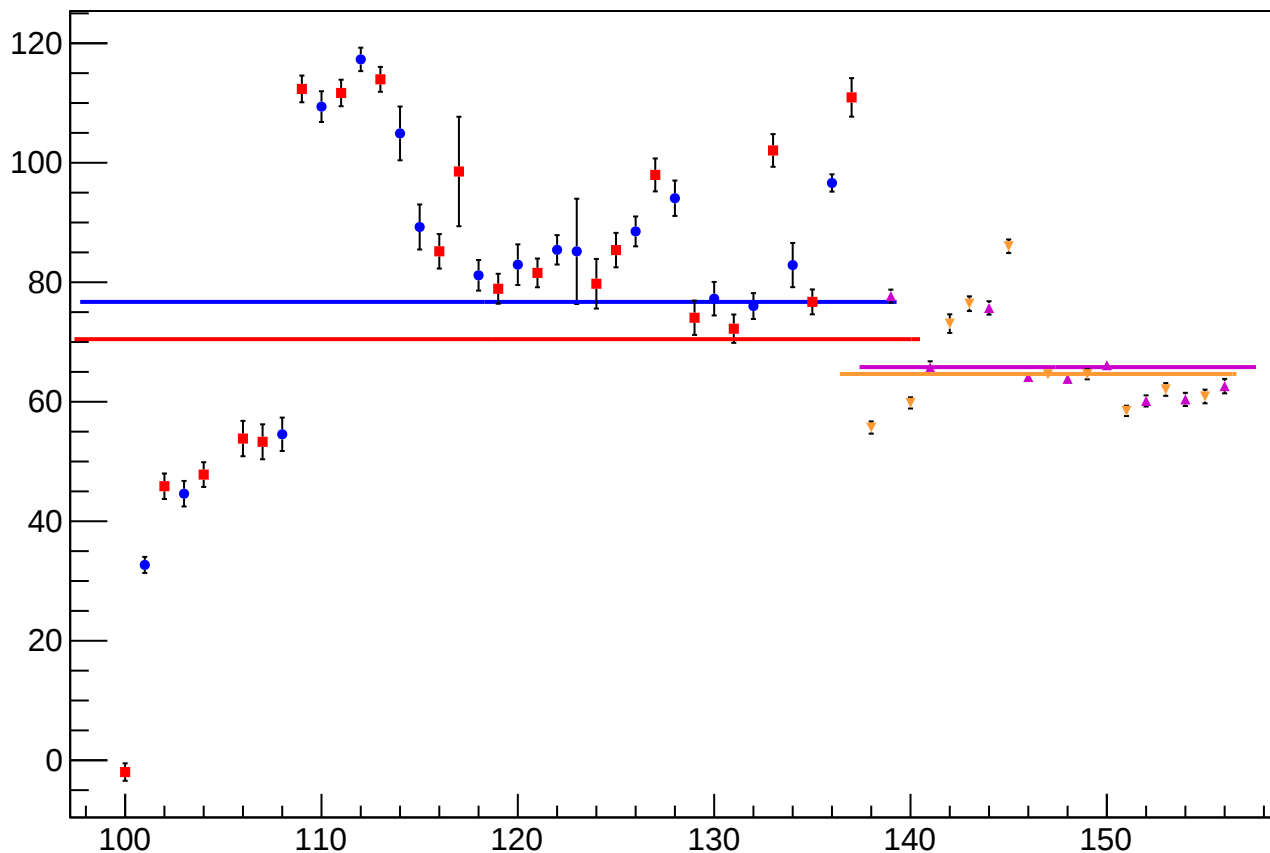
Right Out: 3.571+/-0.317 χ^2/NDF : 281.0/19

Left In: 2.711+/-0.218 χ^2/NDF : 148.5/8

2.280+/-0.175 χ^2/NDF : 572.5/26

2.987+/-0.180 χ^2/NDF : 434.5/28

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713 ± 0.576 χ^2/NDF : 2266.6/16

Left Out: 64.654 ± 0.320 χ^2/NDF : 644.7/9

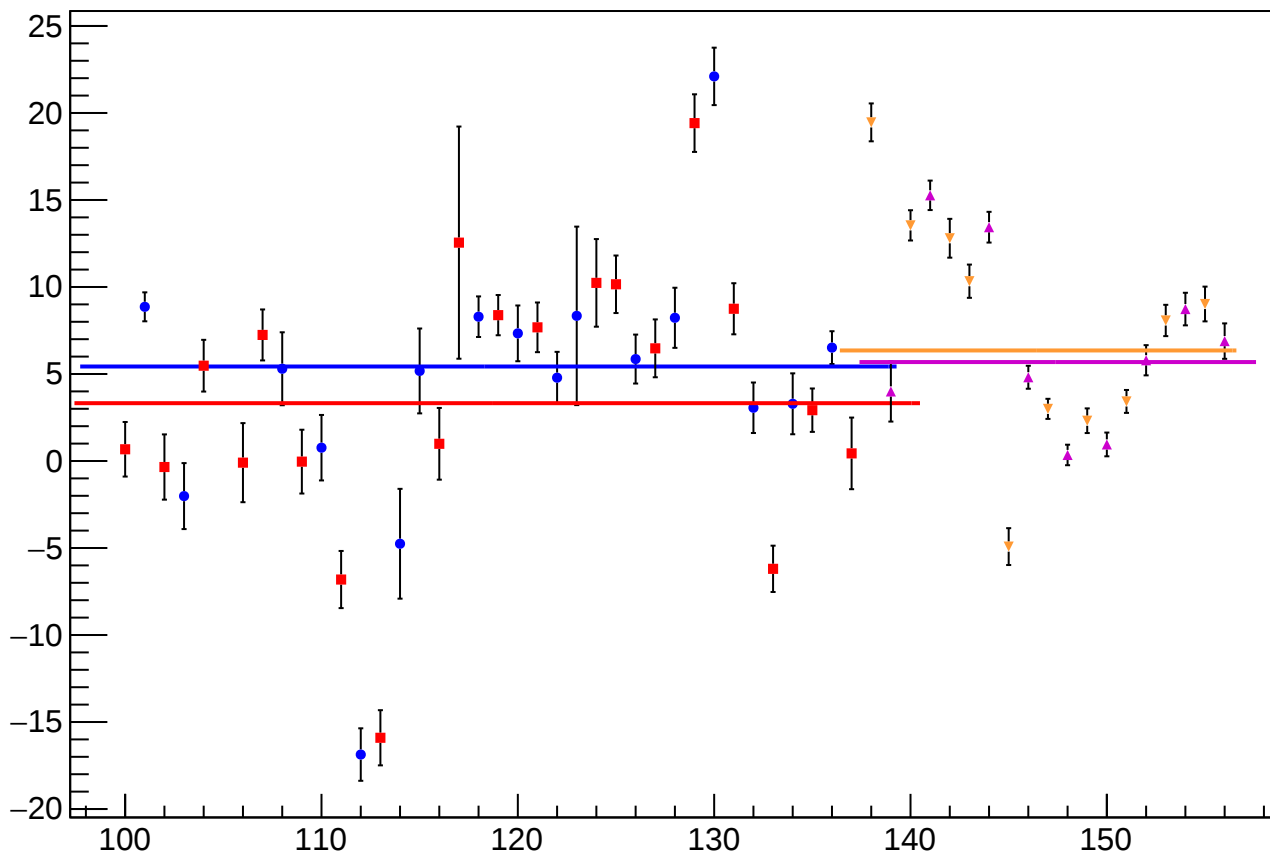
Right Out: 70.477 ± 0.549 χ^2/NDF : 4400.1/19

Left In: 65.797 ± 0.322 χ^2/NDF : 275.2/8

67.496 ± 0.280 χ^2/NDF : 3245.9/26

66.998 ± 0.278 χ^2/NDF : 4729.3/28

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 6.353 ± 0.263 χ^2/NDF : 474.2/9

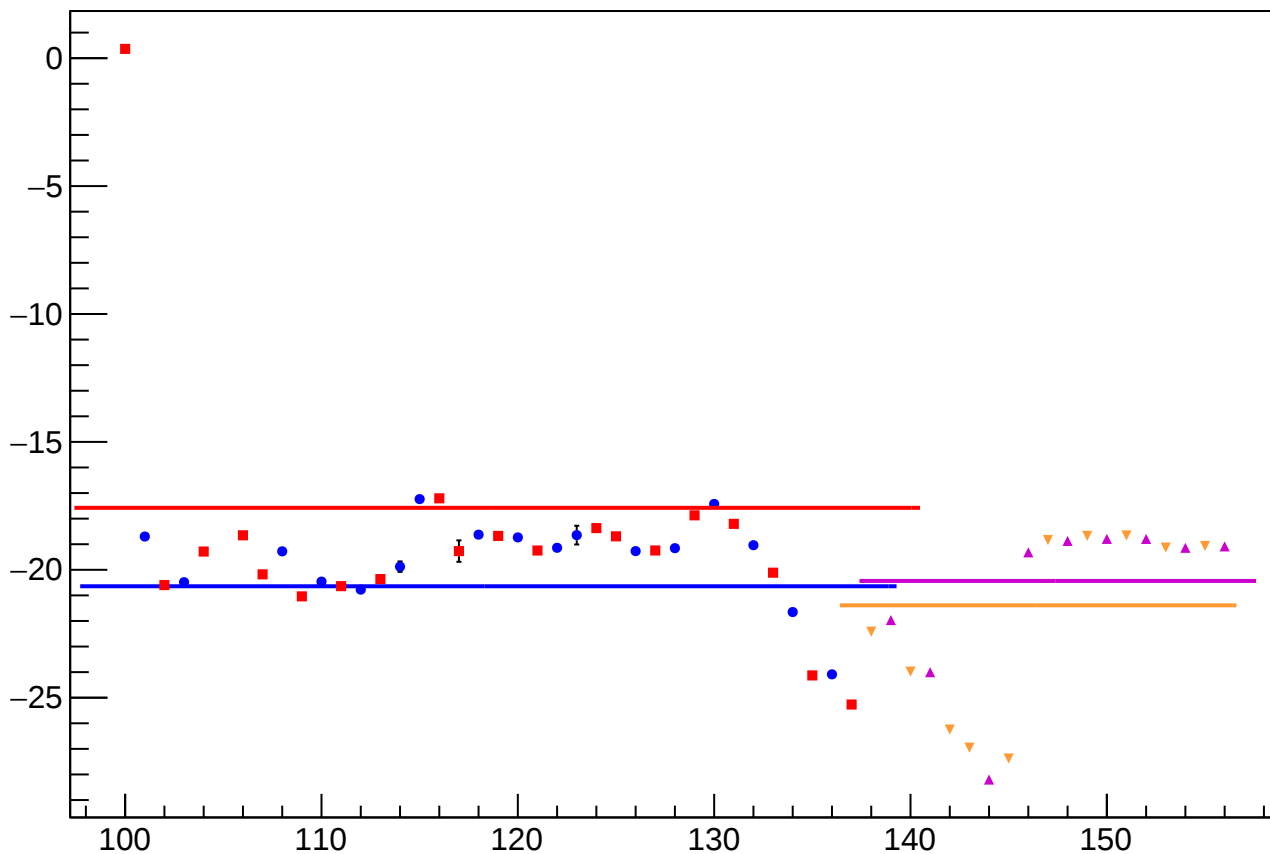
Right Out: 3.323 ± 0.365 χ^2/NDF : 428.0/19

Left In: 5.686 ± 0.270 χ^2/NDF : 350.0/8

6.033 ± 0.212 χ^2/NDF : 864.4/26

4.850 ± 0.217 χ^2/NDF : 805.2/28

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643±/0.019 χ^2/NDF : 12468.6/16

Left Out: -21.388±/0.013 χ^2/NDF : 63026.4/9

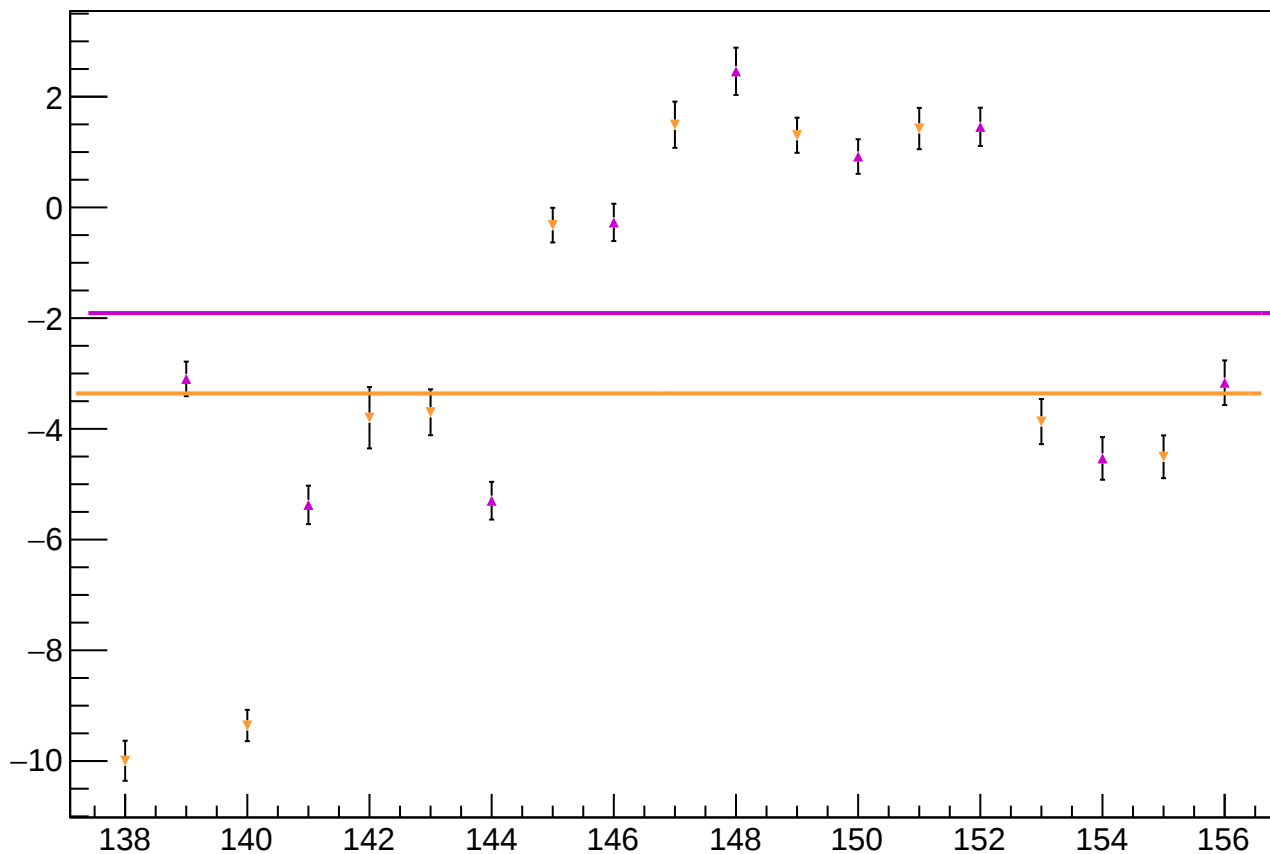
Right Out: -17.577±/0.018 χ^2/NDF : 178343.3/19

Left In: -20.436±/0.013 χ^2/NDF : 43144.4/8

-21.153±/0.011 χ^2/NDF : 76510.2/26

-19.464±/0.011 χ^2/NDF : 238099.2/28

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



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

Left Out: -3.360+/-0.115 χ^2/NDF : 1408.4/9

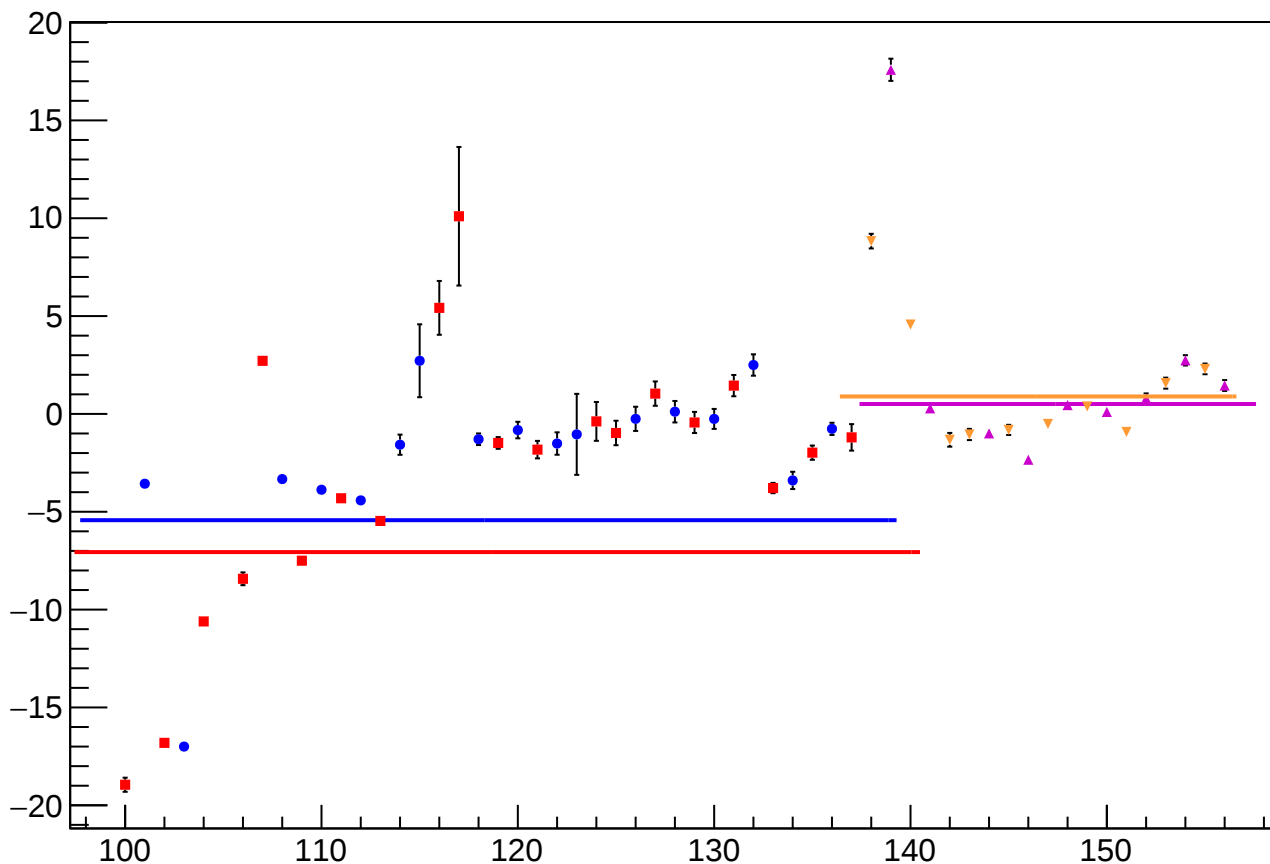
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1.908+/-0.117 χ^2/NDF : 574.5/8

-3.360+/-0.115 χ^2/NDF : 1408.4/9

-1.908+/-0.117 χ^2/NDF : 574.5/8

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431 $\pm$ 0.055 χ^2 /NDF: 9233.8/16

Left Out: 0.892 $\pm$ 0.080 χ^2 /NDF: 976.7/9

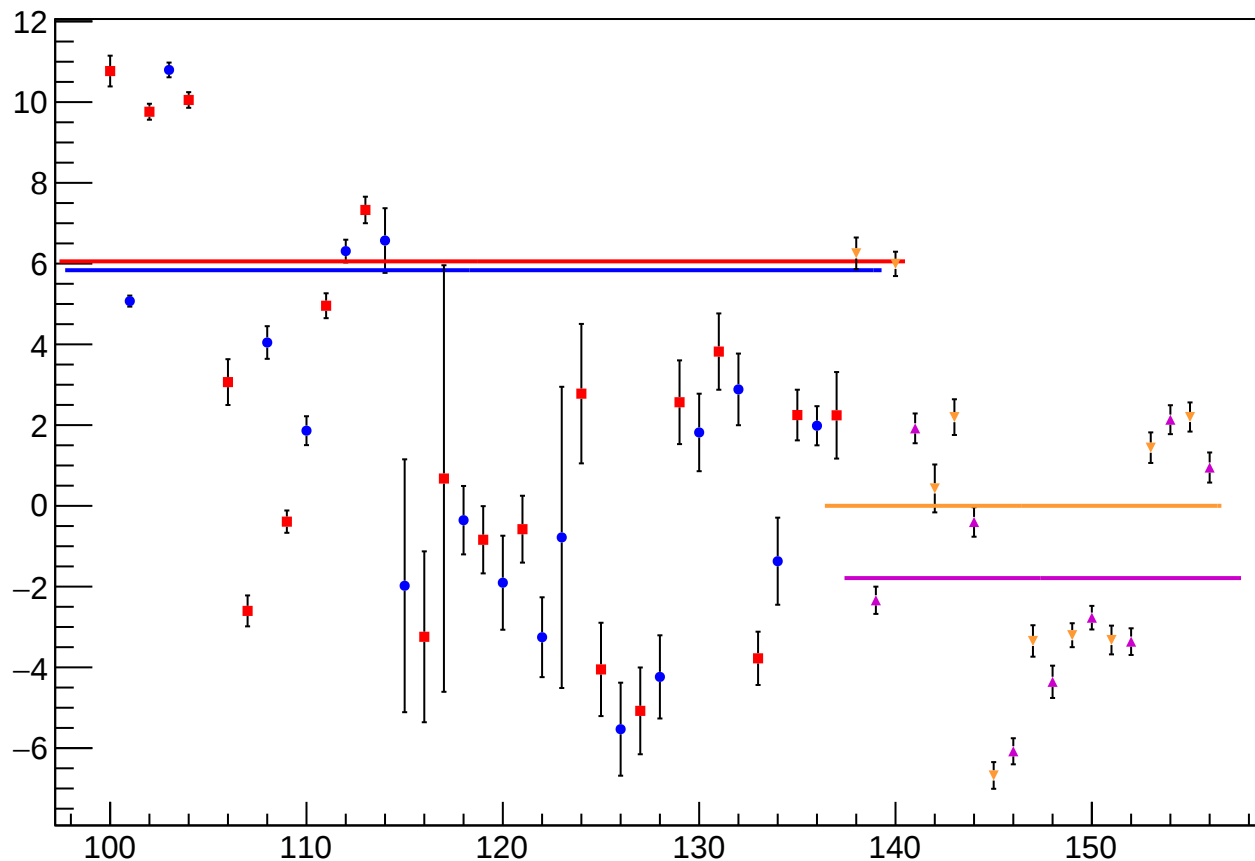
Right Out: -7.061 $\pm$ 0.059 χ^2 /NDF: 12330.1/19

Left In: 0.506 $\pm$ 0.083 χ^2 /NDF: 1210.8/8

-3.418 $\pm$ 0.045 χ^2 /NDF: 14439.1/26

-4.525 $\pm$ 0.048 χ^2 /NDF: 19049.6/28

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 $\pm$ 0.090 χ^2 /NDF: 1440.9/16

Left Out: 0.001 $\pm$ 0.115 χ^2 /NDF:1411.9/9

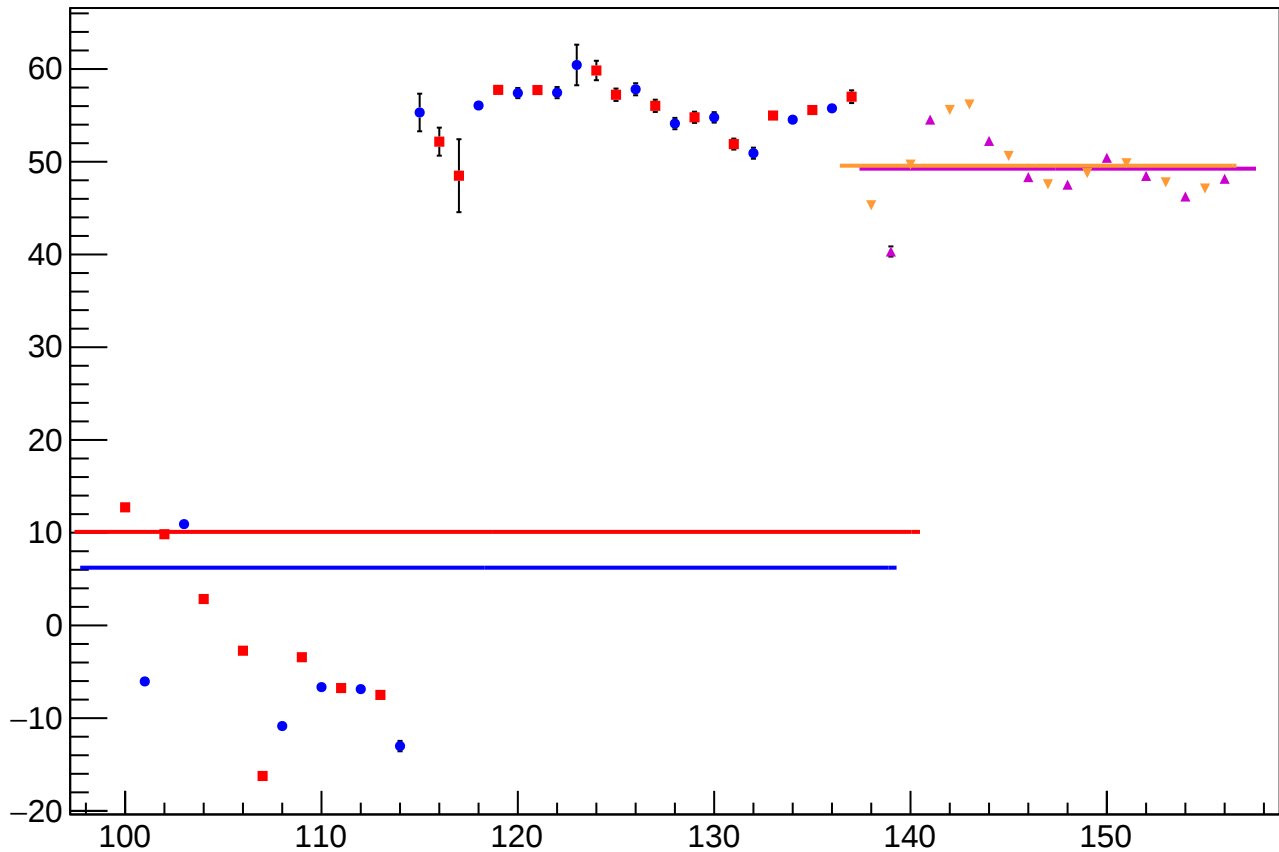
Right Out: 6.056 $\pm$ 0.093 χ^2 /NDF: 2669.9/19

Left In: -1.789 $\pm$ 0.115 χ^2 /NDF:543.7/8

3.639 $\pm$ 0.071 χ^2 /NDF: 4447.4/26

2.949 $\pm$ 0.073 χ^2 /NDF: 6012.8/28

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 ± 0.065 $\chi^2/\text{NDF}: 120955.1/16$

Left Out: 49.574 ± 0.097 $\chi^2/\text{NDF}: 840.2/9$

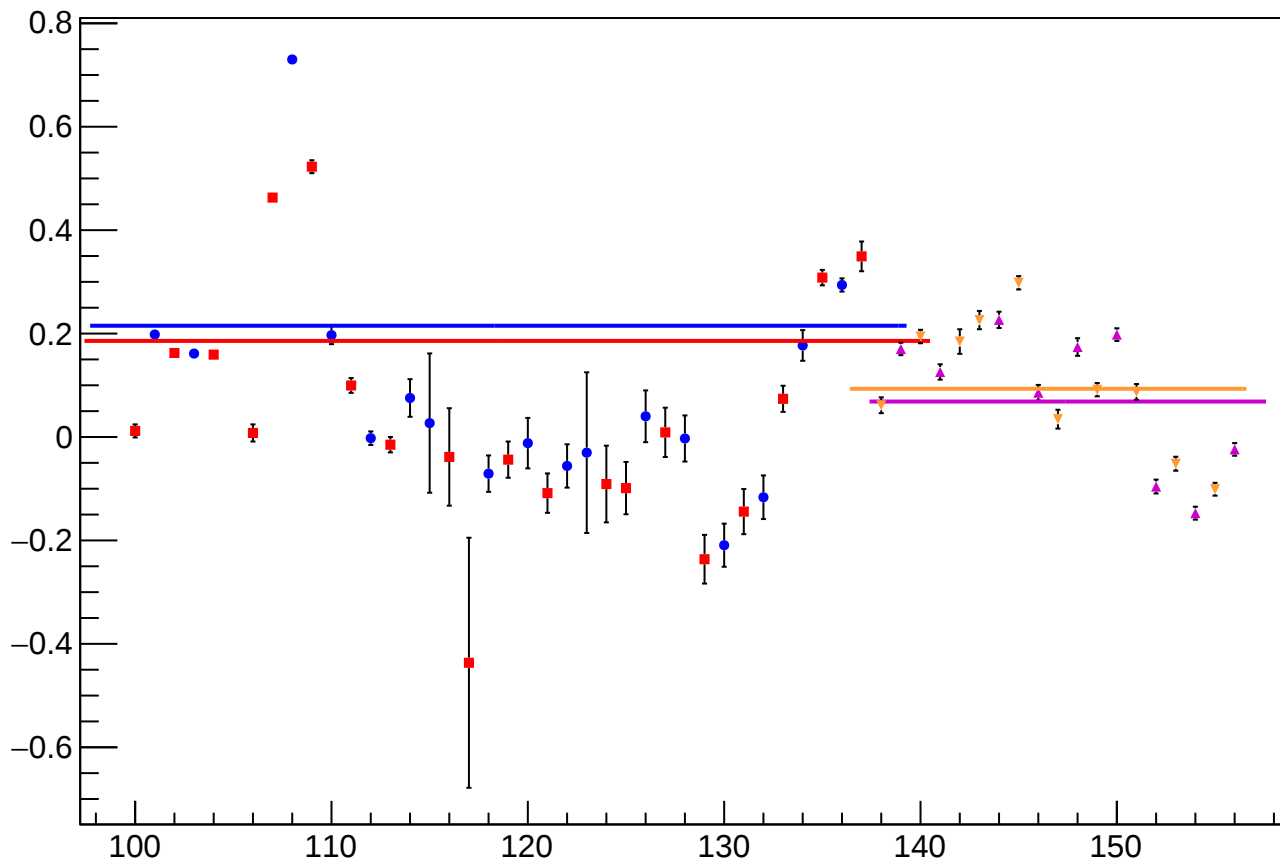
Right Out: 10.087 ± 0.070 $\chi^2/\text{NDF}: 122144.7/19$

Left In: 49.255 ± 0.100 $\chi^2/\text{NDF}: 873.5/8$

19.535 ± 0.054 $\chi^2/\text{NDF}: 259058.7/26$

22.948 ± 0.057 $\chi^2/\text{NDF}: 226633.1/28$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 $\pm$ 0.003 χ^2/NDF : 3925.9/16

Left Out: 0.093 $\pm$ 0.005 χ^2/NDF : 755.4/9

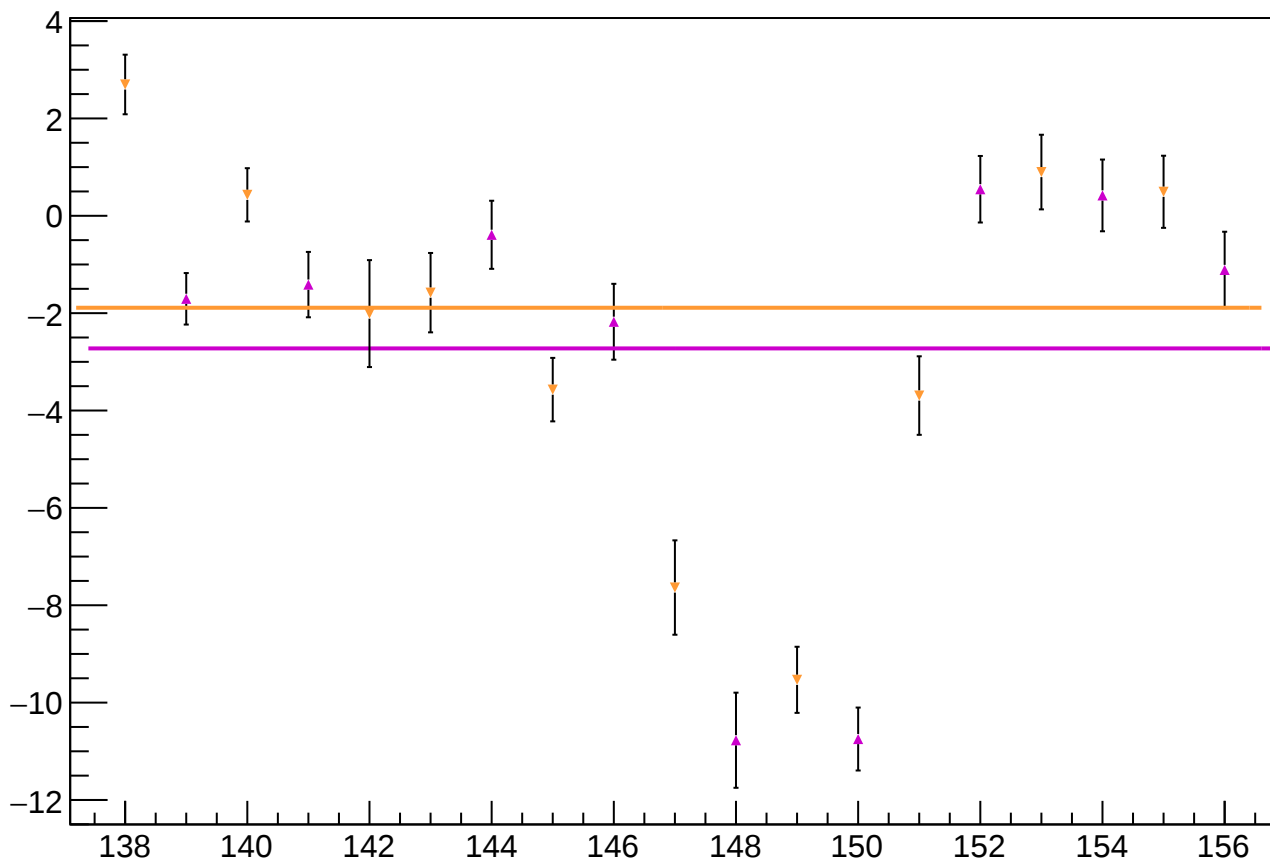
Right Out: 0.186 $\pm$ 0.003 χ^2/NDF : 2724.7/19

Left In: 0.069 $\pm$ 0.005 χ^2/NDF : 841.6/8

0.183 $\pm$ 0.002 χ^2/NDF : 5189.5/26

0.155 $\pm$ 0.002 χ^2/NDF : 4060.5/28

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug

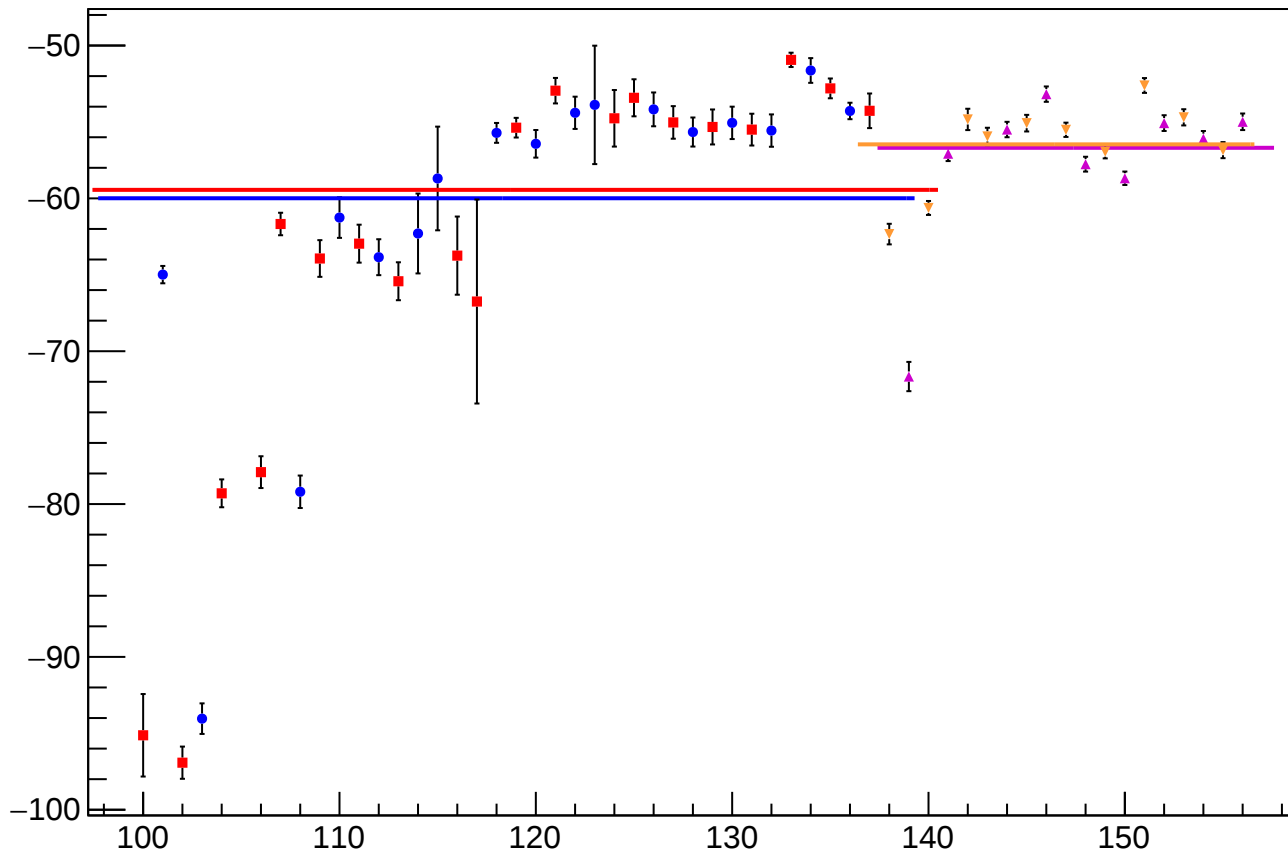


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: -1.889+/-0.230 χ^2/NDF : 271.3/9
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: -2.724+/-0.232 χ^2/NDF : 286.3/8

-1.889+/-0.230 χ^2/NDF : 271.3/9

-2.724+/-0.232 χ^2/NDF : 286.3/8

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -56.466 ± 0.165 χ^2/NDF : 251.6/9

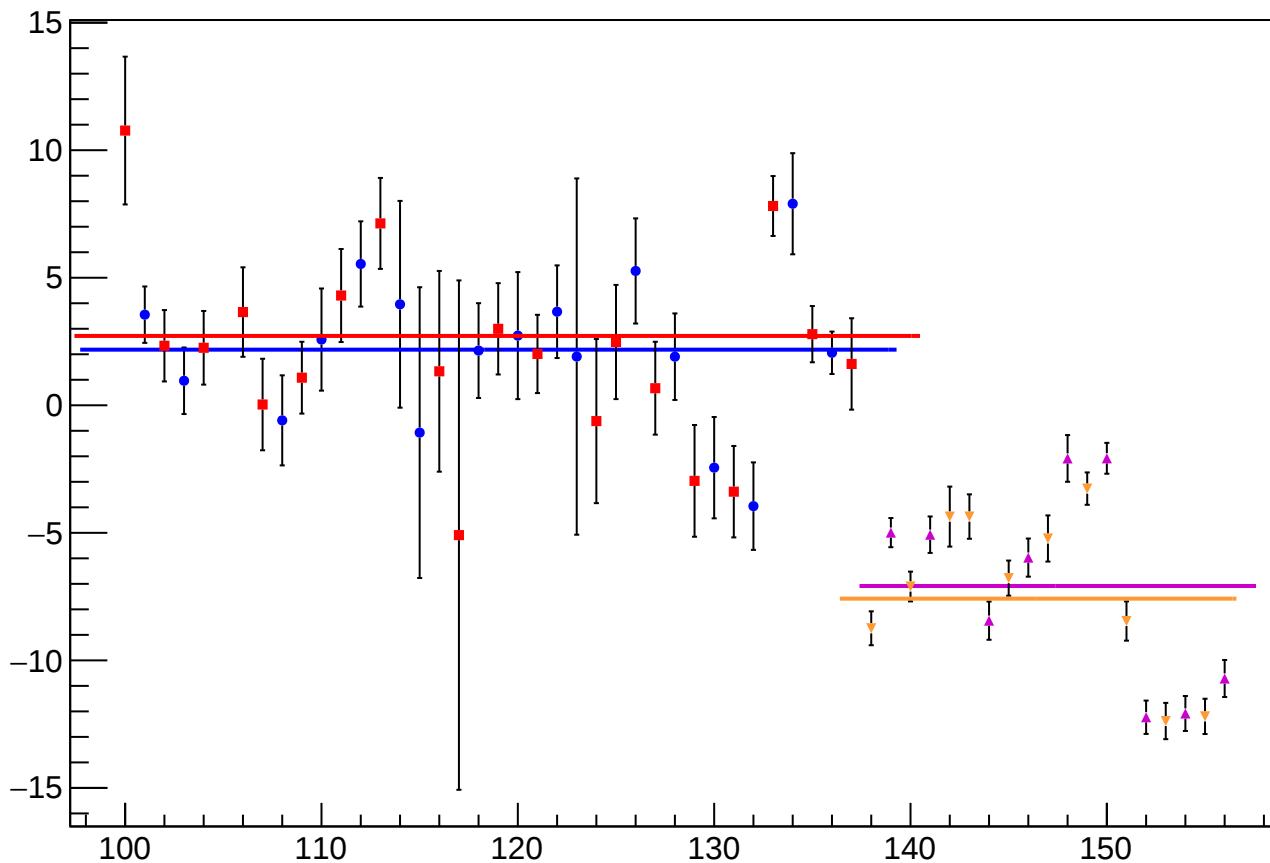
Right Out: -59.442 ± 0.212 χ^2/NDF : 2919.1/19

Left In: -56.691 ± 0.172 χ^2/NDF : 345.9/8

-57.700 ± 0.133 χ^2/NDF : 2384.2/26

-57.785 ± 0.134 χ^2/NDF : 3366.5/28

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: -7.581 ± 0.231 $\chi^2/\text{NDF}: 170.5/9$

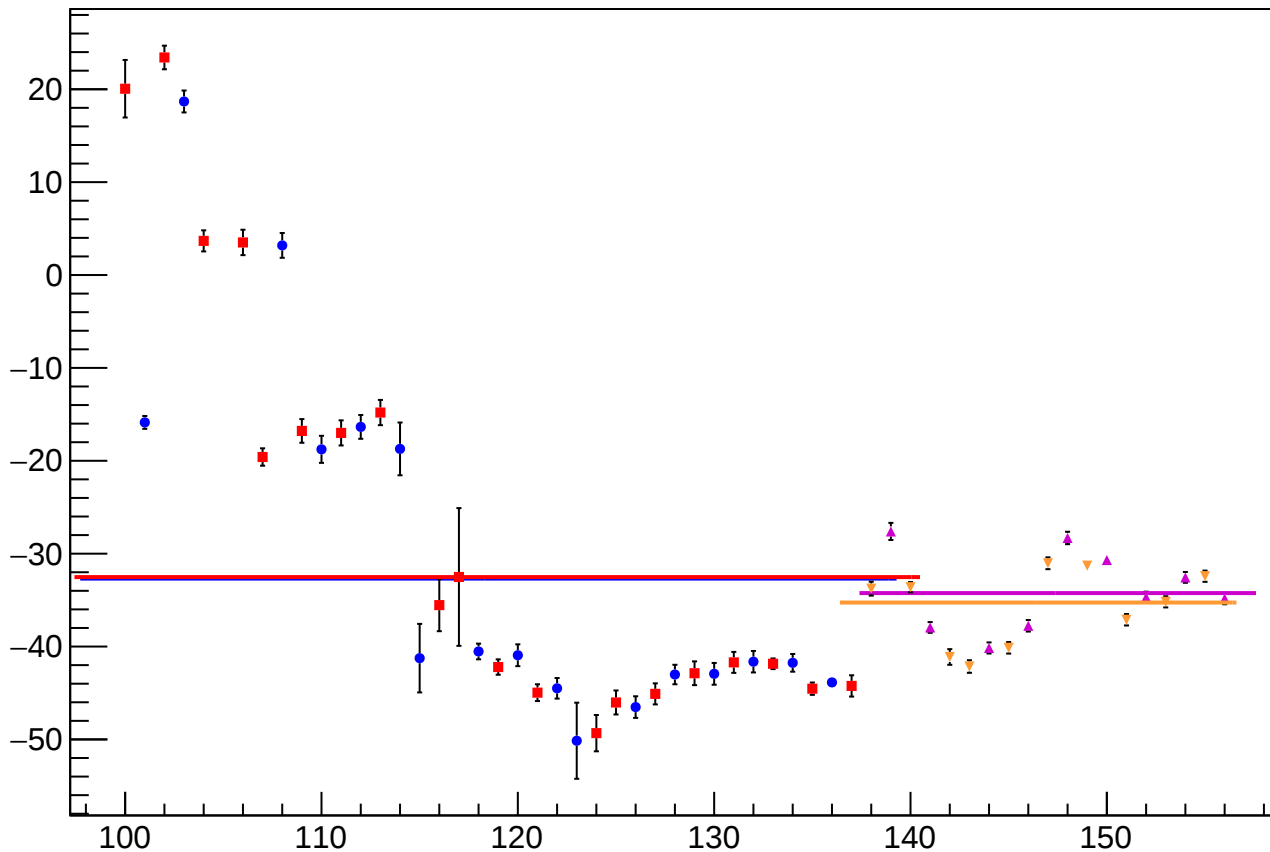
Right Out: 2.719 ± 0.388 $\chi^2/\text{NDF}: 59.5/19$

Left In: -7.084 ± 0.230 $\chi^2/\text{NDF}: 265.2/8$

-5.197 ± 0.200 $\chi^2/\text{NDF}: 647.2/26$

-4.529 ± 0.198 $\chi^2/\text{NDF}: 797.6/28$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -35.263 ± 0.198 $\chi^2/\text{NDF}: 357.2/9$

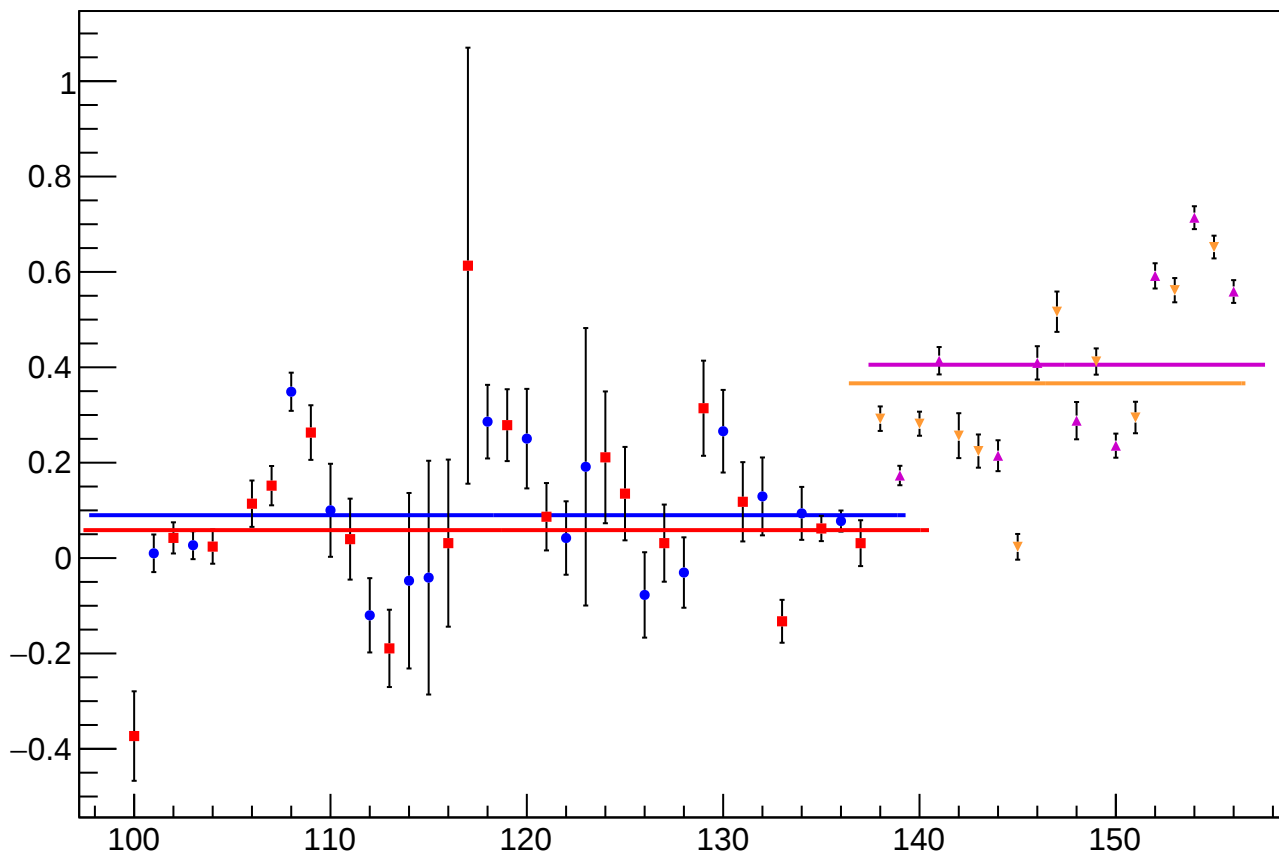
Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

Left In: -34.244 ± 0.204 $\chi^2/\text{NDF}: 360.8/8$

-34.294 ± 0.157 $\chi^2/\text{NDF}: 5067.7/26$

-33.534 ± 0.157 $\chi^2/\text{NDF}: 6435.4/28$

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: 0.366 ± 0.009 $\chi^2/\text{NDF}: 426.0/9$

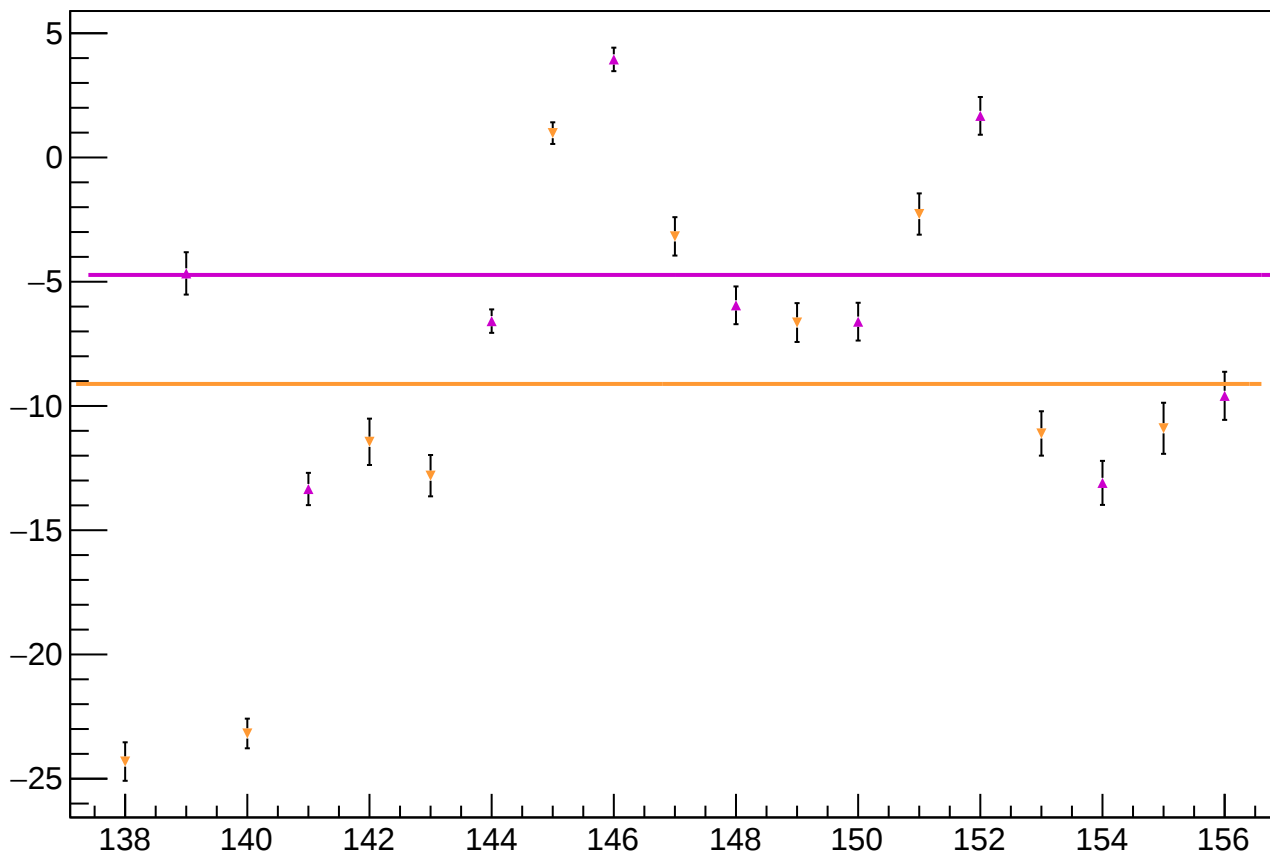
Right Out: 0.059 ± 0.012 $\chi^2/\text{NDF}: 88.6/19$

Left In: 0.405 ± 0.009 $\chi^2/\text{NDF}: 474.8/8$

0.272 ± 0.007 $\chi^2/\text{NDF}: 814.4/26$

0.284 ± 0.007 $\chi^2/\text{NDF}: 1091.3/28$

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



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

Left Out: -9.113+/-0.228 χ^2/NDF : 1647.1/9

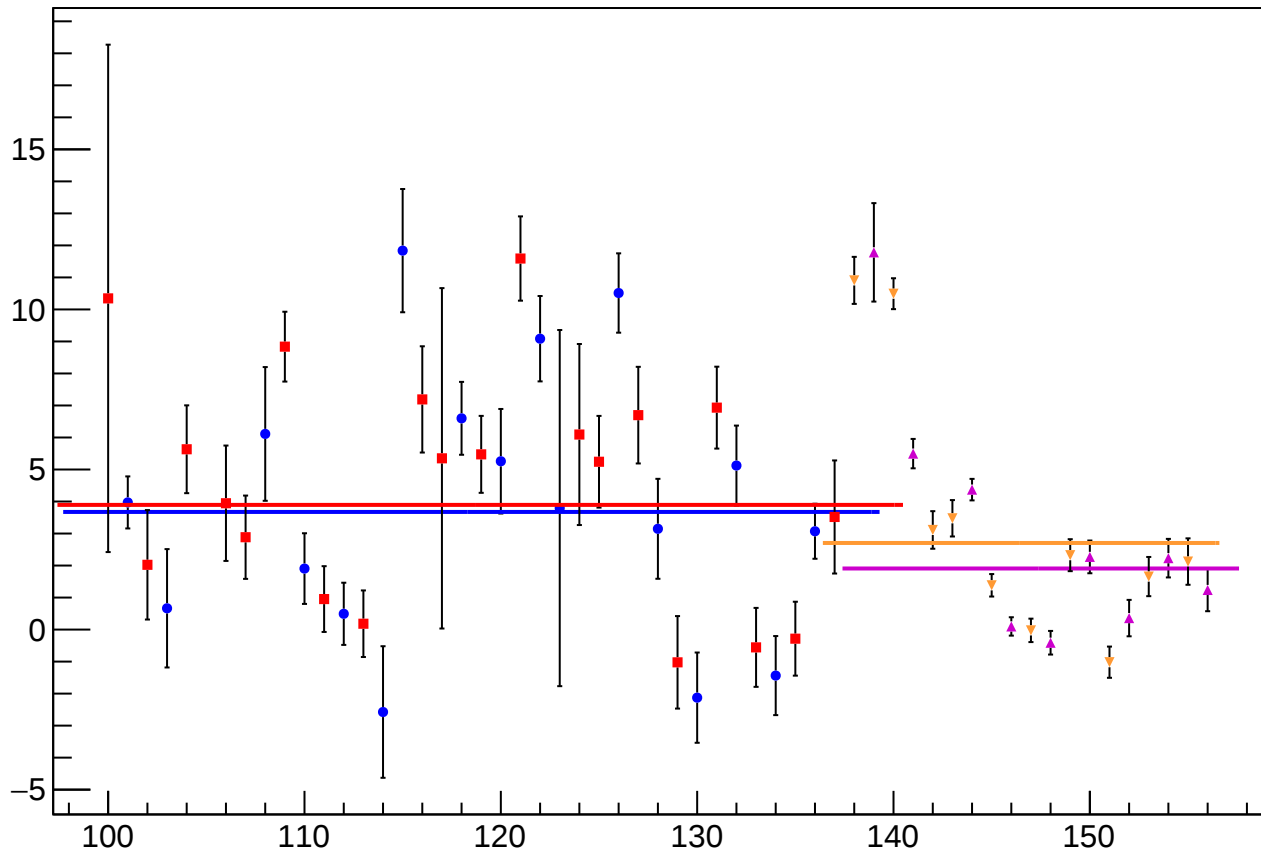
-9.113+/-0.228 χ^2/NDF : 1647.1/9

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

Left In: -4.726+/-0.222 χ^2/NDF : 722.6/8

-4.726+/-0.222 χ^2/NDF : 722.6/8

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.675 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 2.705 ± 0.157 χ^2/NDF : 519.8/9

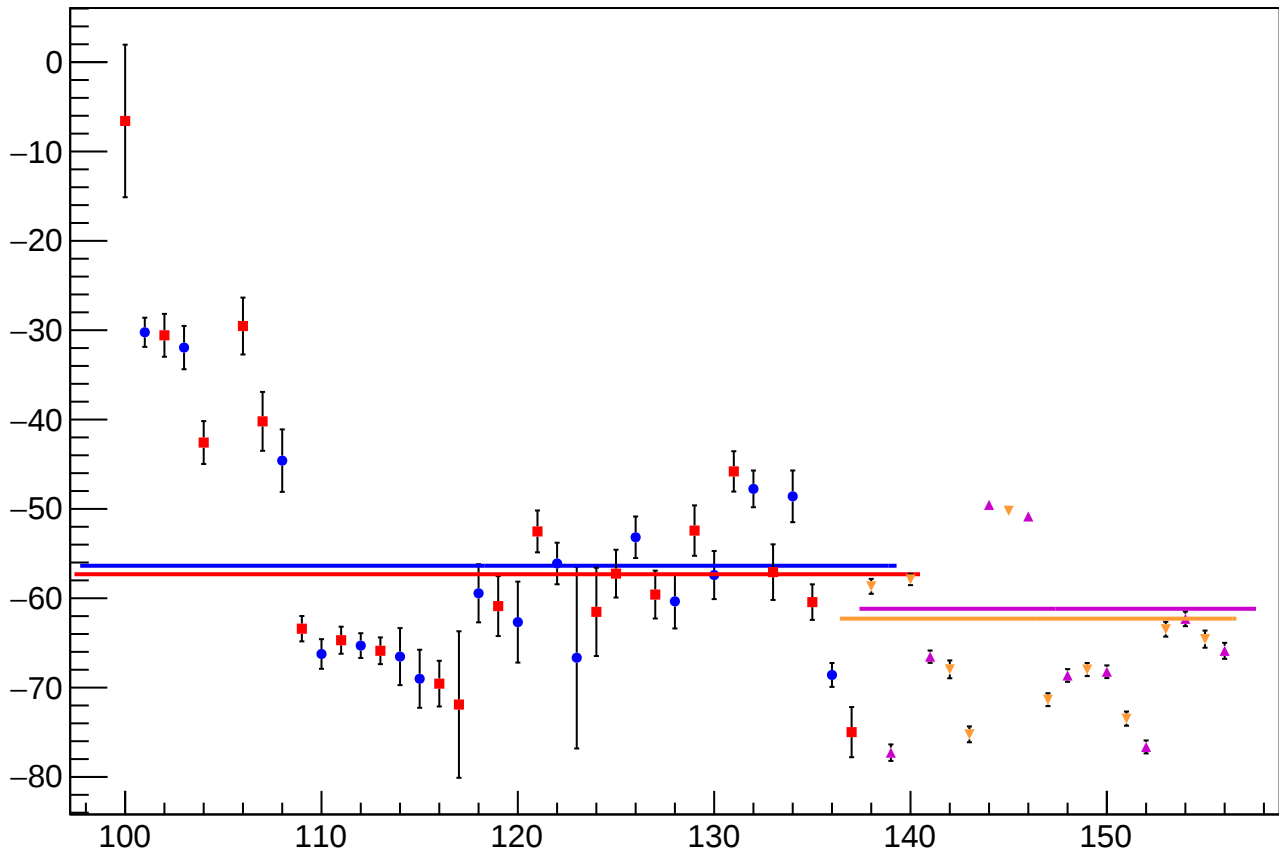
Right Out: 3.895 ± 0.316 χ^2/NDF : 133.8/19

Left In: 1.908 ± 0.148 χ^2/NDF : 244.6/8

2.903 ± 0.140 χ^2/NDF : 662.7/26

2.267 ± 0.134 χ^2/NDF : 410.8/28

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: -62.280 ± 0.231 $\chi^2/\text{NDF}: 1413.3/9$

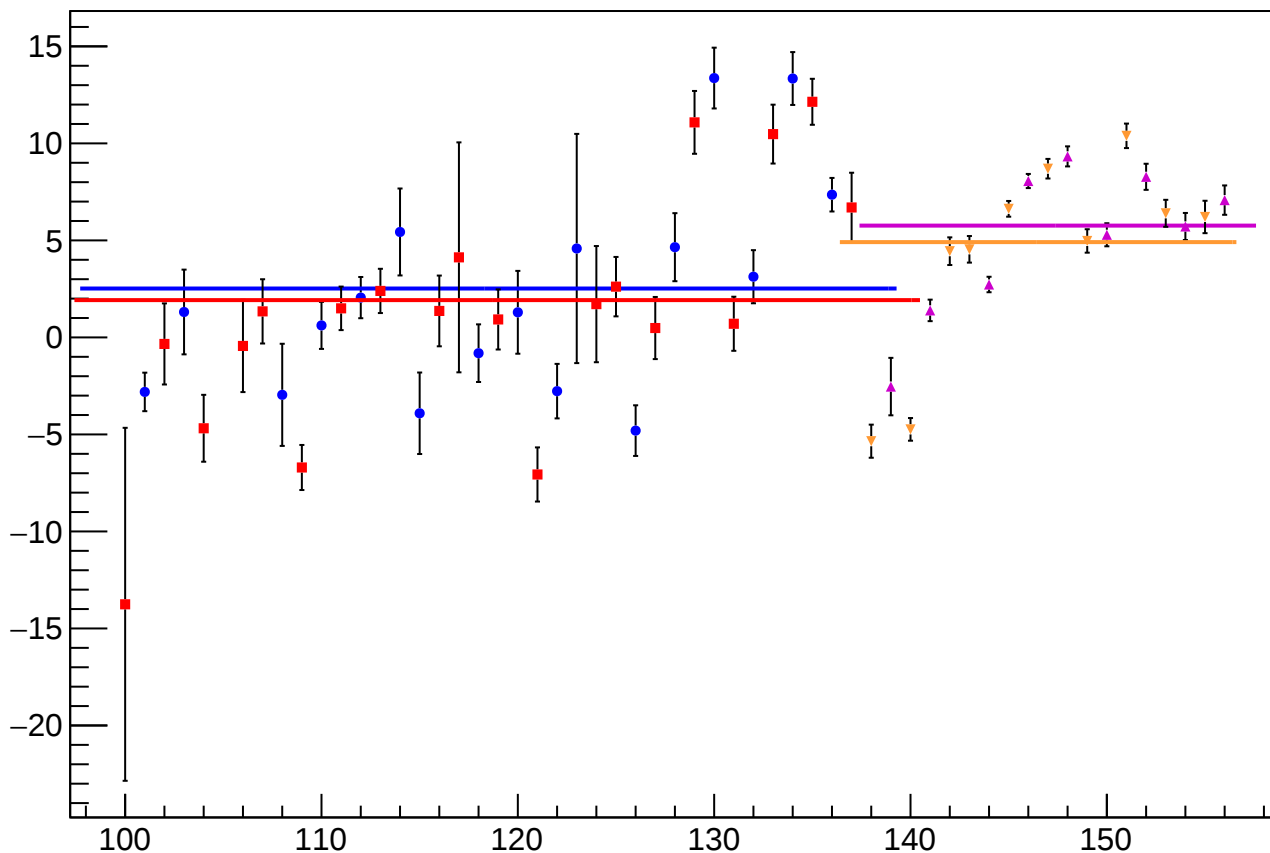
Right Out: -57.314 ± 0.535 $\chi^2/\text{NDF}: 479.2/19$

Left In: -61.178 ± 0.220 $\chi^2/\text{NDF}: 2101.4/8$

-61.374 ± 0.213 $\chi^2/\text{NDF}: 2101.0/26$

-60.618 ± 0.204 $\chi^2/\text{NDF}: 2625.2/28$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

4.352 ± 0.168 χ^2/NDF : 853.4/26

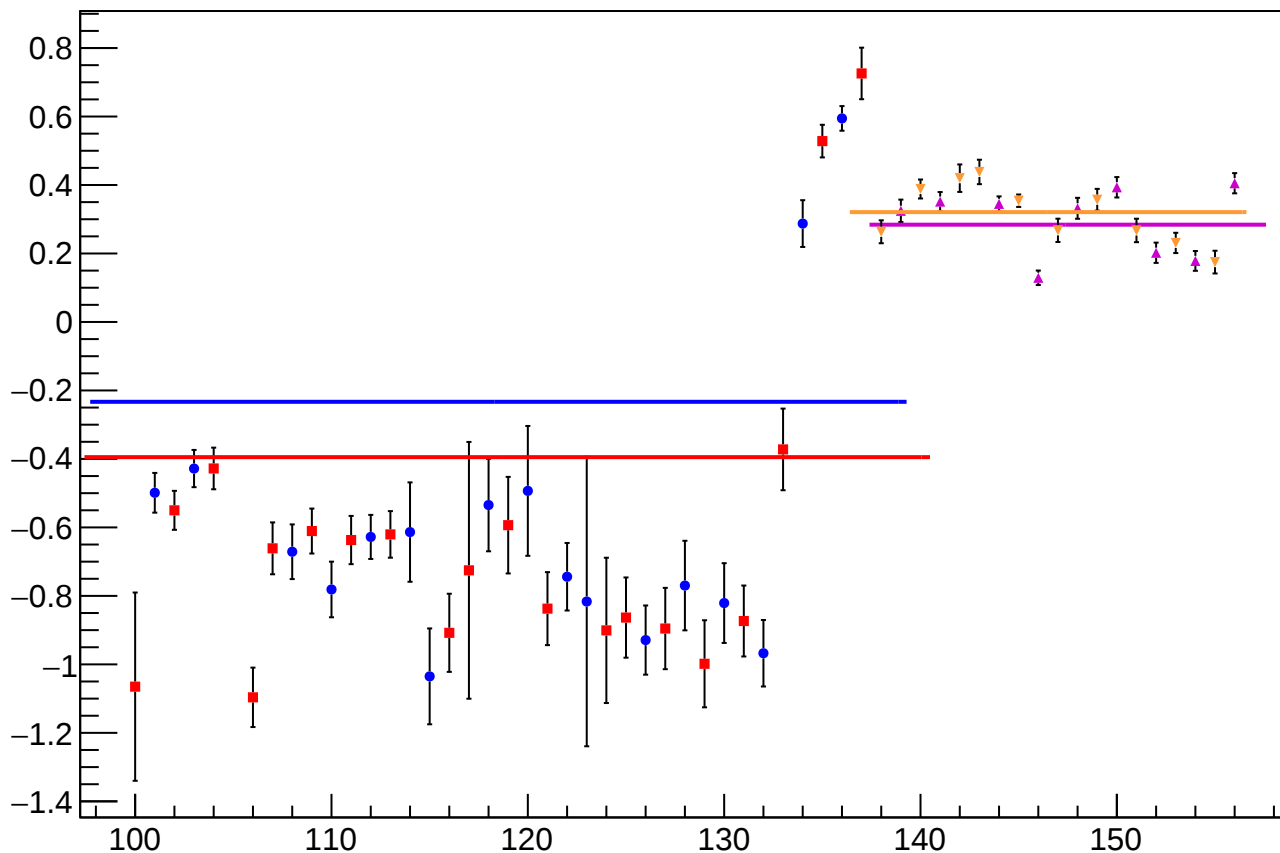
Left Out: 4.912 ± 0.192 χ^2/NDF : 574.7/9

Right Out: 1.922 ± 0.354 χ^2/NDF : 264.7/19

4.959 ± 0.162 χ^2/NDF : 614.1/28

Left In: 5.762 ± 0.182 χ^2/NDF : 256.5/8

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233+/-0.019 χ^2/NDF : 956.8/16

Left Out: 0.321+/-0.009 χ^2/NDF : 63.9/9

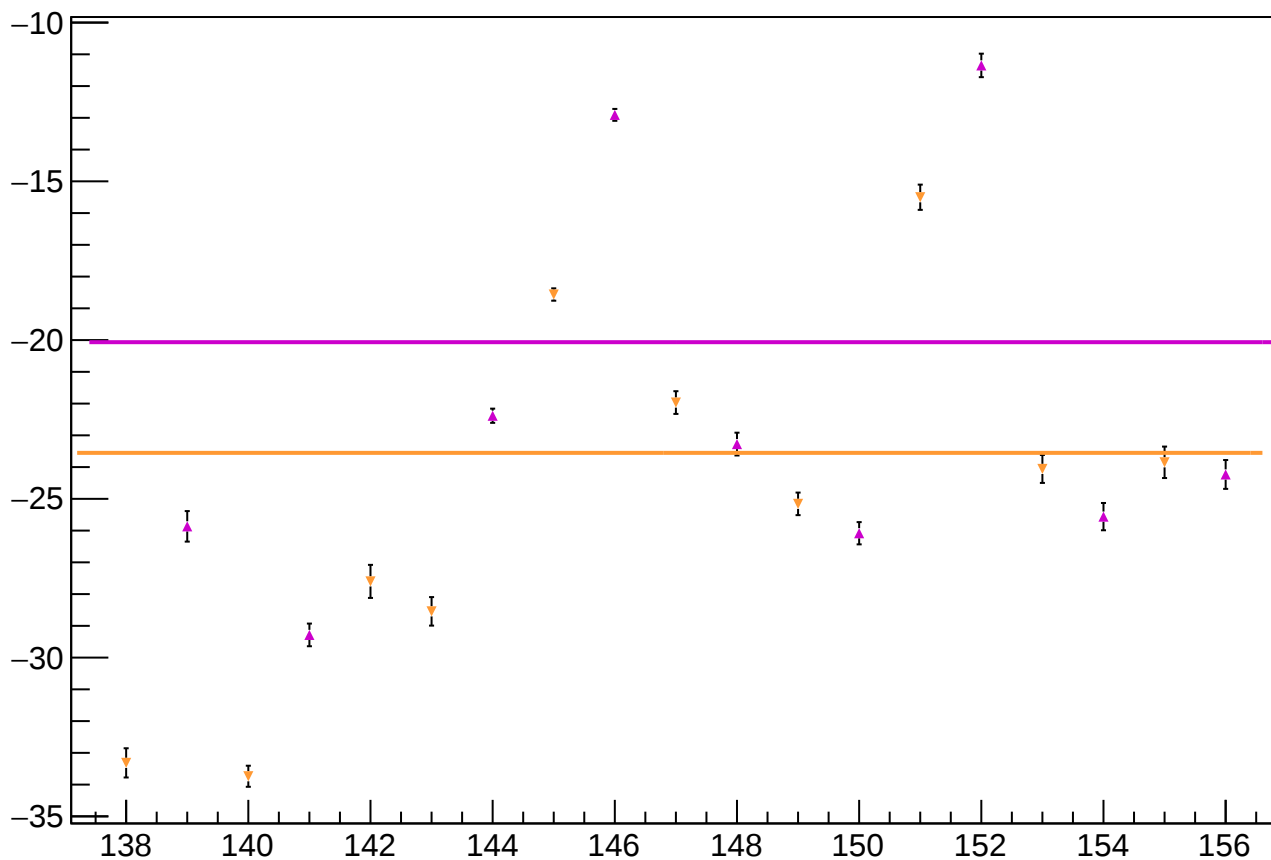
Right Out: -0.395+/-0.019 χ^2/NDF : 845.9/19

Left In: 0.284+/-0.009 χ^2/NDF : 122.7/8

0.211+/-0.008 χ^2/NDF : 1709.9/26

0.158+/-0.008 χ^2/NDF : 2013.0/28

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -23.552+/-0.112 χ^2/NDF : 2682.8/9

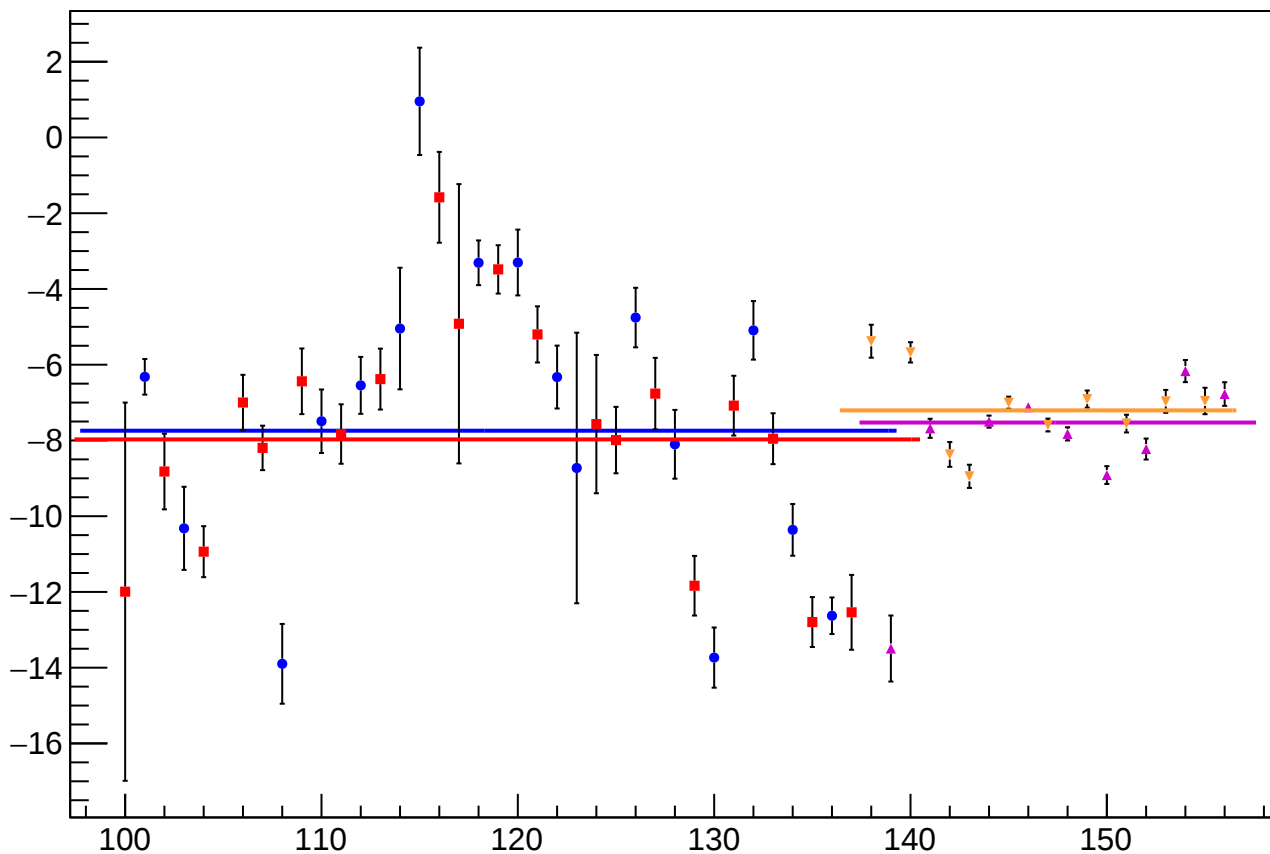
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -20.066+/-0.103 χ^2/NDF : 3556.8/8

-23.552+/-0.112 χ^2/NDF : 2682.8/9

-20.066+/-0.103 χ^2/NDF : 3556.8/8

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743+/-0.187 χ^2/NDF : 377.5/16

Left Out: -7.205+/-0.077 χ^2/NDF : 107.1/9

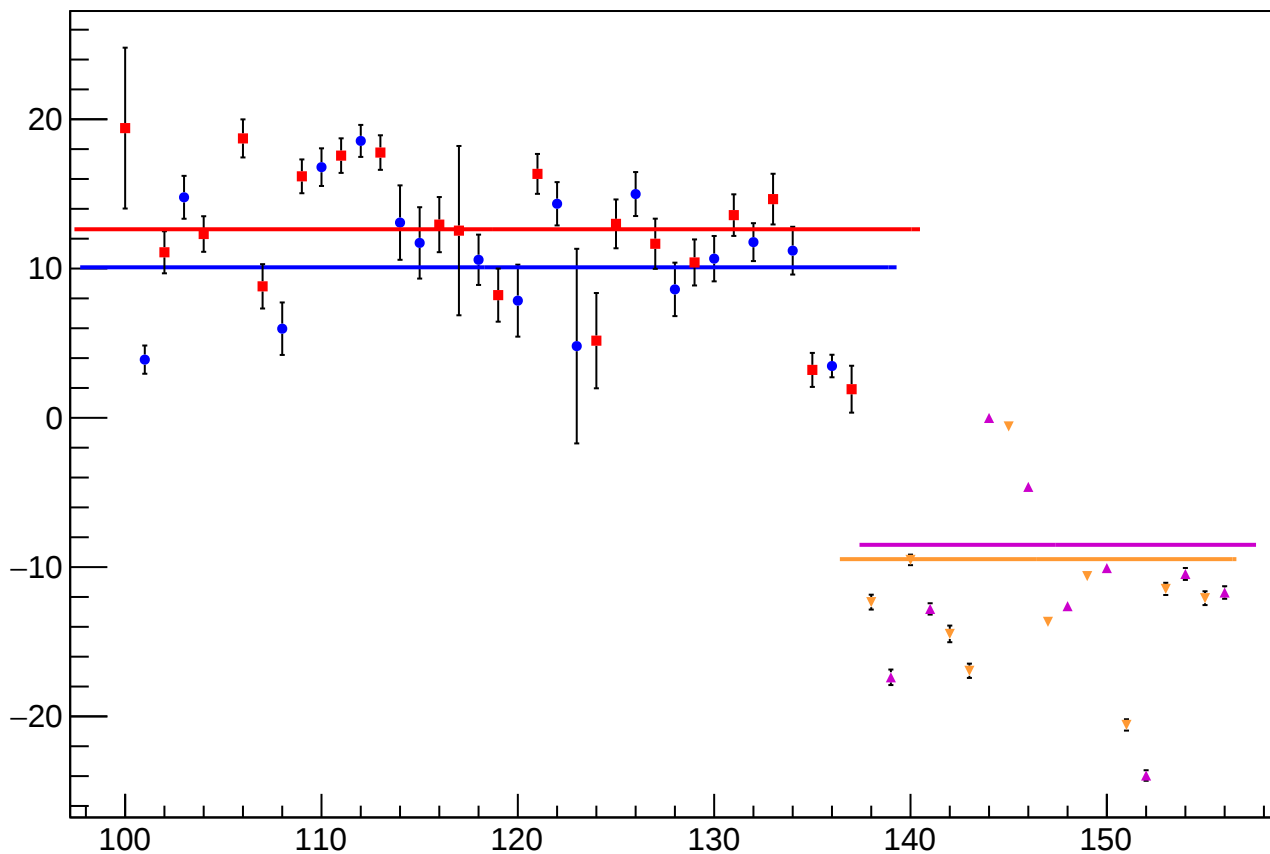
Right Out: -7.973+/-0.186 χ^2/NDF : 224.2/19

Left In: -7.527+/-0.068 χ^2/NDF : 130.7/8

-7.282+/-0.071 χ^2/NDF : 491.7/26

-7.580+/-0.064 χ^2/NDF : 360.0/28

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083 ± 0.338 χ^2/NDF : 252.7/16

Left Out: -9.466 ± 0.113 χ^2/NDF : 3296.1/9

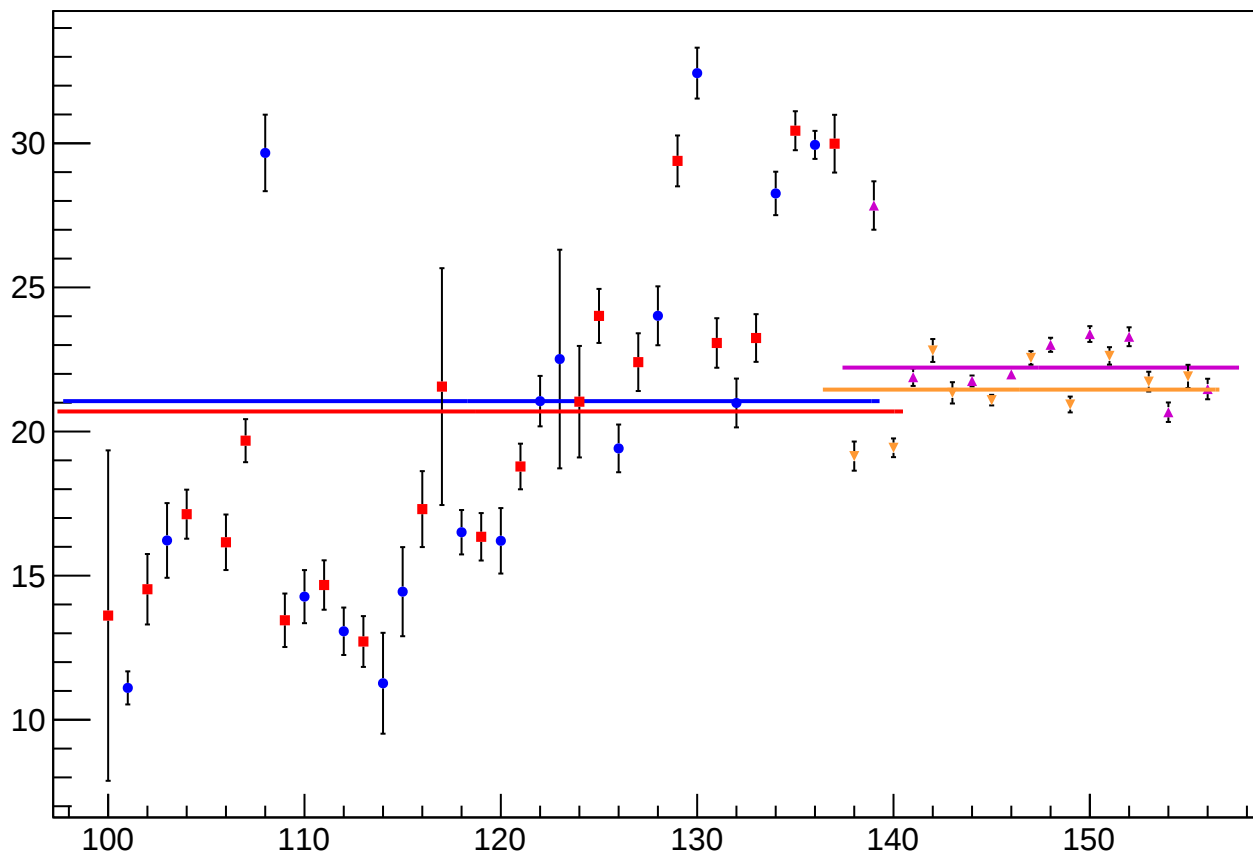
Right Out: 12.631 ± 0.332 χ^2/NDF : 218.6/19

Left In: -8.507 ± 0.102 χ^2/NDF : 4298.2/8

-7.510 ± 0.107 χ^2/NDF : 6560.7/26

-6.698 ± 0.097 χ^2/NDF : 8221.8/28

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: 21.455 ± 0.094 $\chi^2/\text{NDF}: 117.8/9$

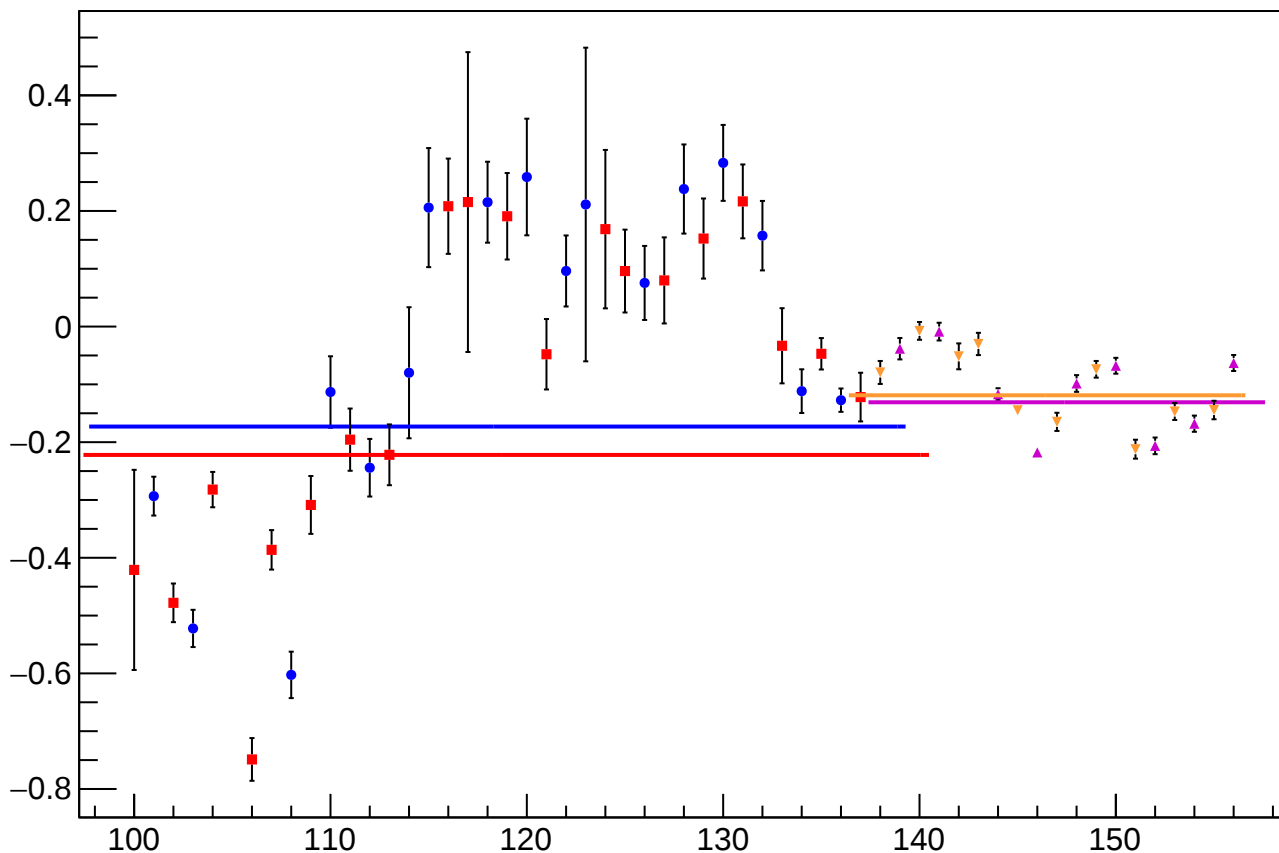
Right Out: 20.696 ± 0.212 $\chi^2/\text{NDF}: 724.1/19$

Left In: 22.218 ± 0.084 $\chi^2/\text{NDF}: 119.2/8$

21.389 ± 0.086 $\chi^2/\text{NDF}: 1332.5/26$

22.013 ± 0.078 $\chi^2/\text{NDF}: 887.7/28$

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.119 ± 0.005 χ^2/NDF : 153.8/9

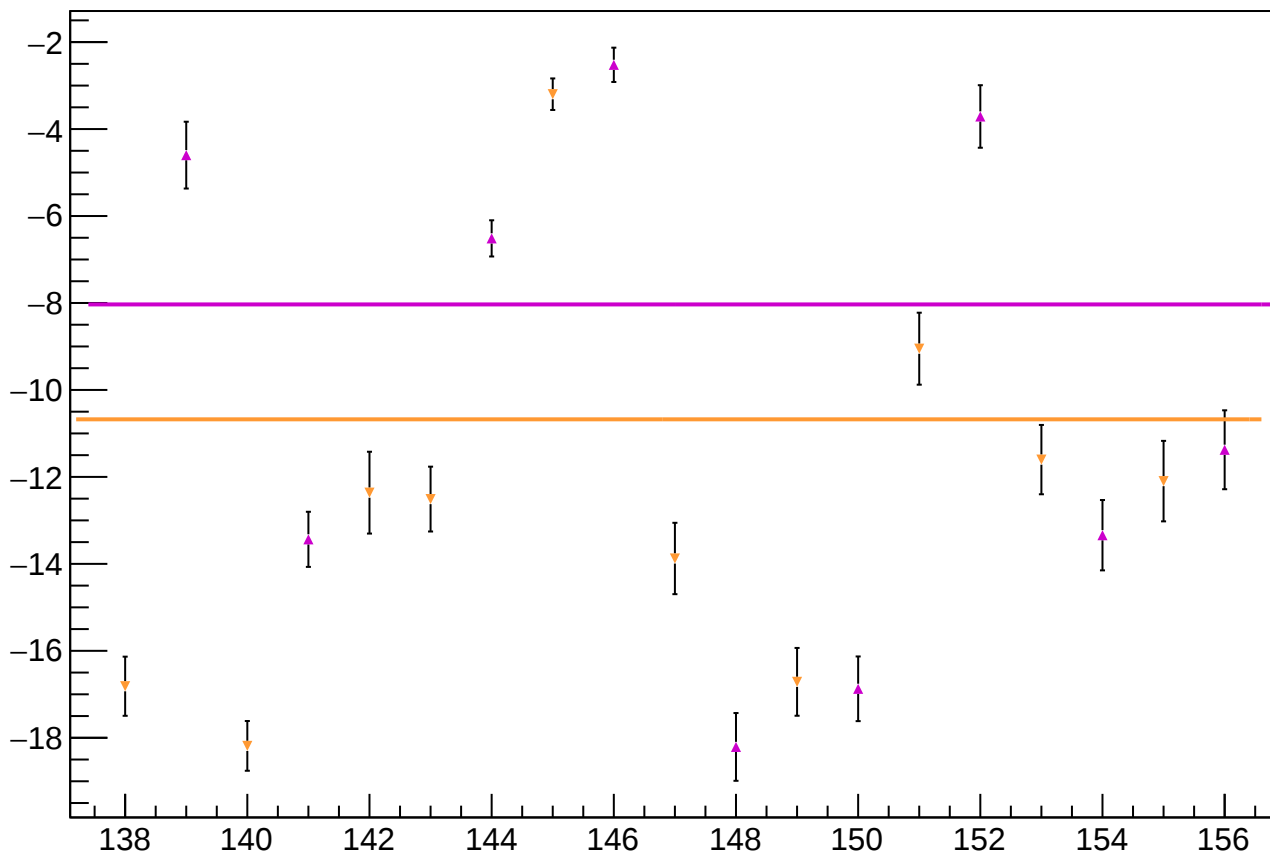
Right Out: -0.222 ± 0.011 χ^2/NDF : 538.0/19

Left In: -0.131 ± 0.004 χ^2/NDF : 280.5/8

-0.127 ± 0.004 χ^2/NDF : 635.6/26

-0.143 ± 0.004 χ^2/NDF : 878.7/28

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



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

Left Out: -10.676+/-0.208 χ^2/NDF : 770.9/9

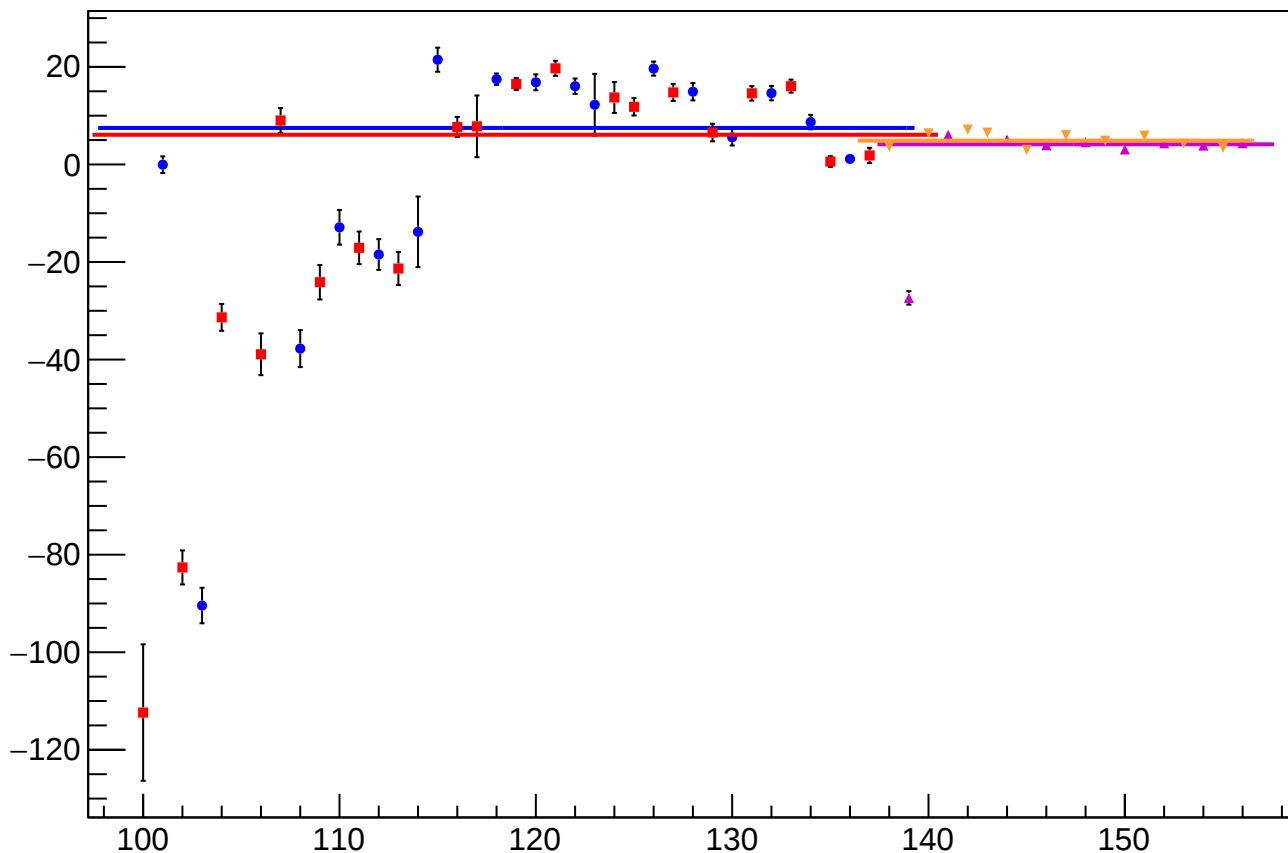
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -8.033+/-0.202 χ^2/NDF : 705.6/8

-10.676+/-0.208 χ^2/NDF : 770.9/9

-8.033+/-0.202 χ^2/NDF : 705.6/8

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488+/-0.407 χ^2/NDF : 1340.5/16

Left Out: 4.886+/-0.147 χ^2/NDF : 101.2/9

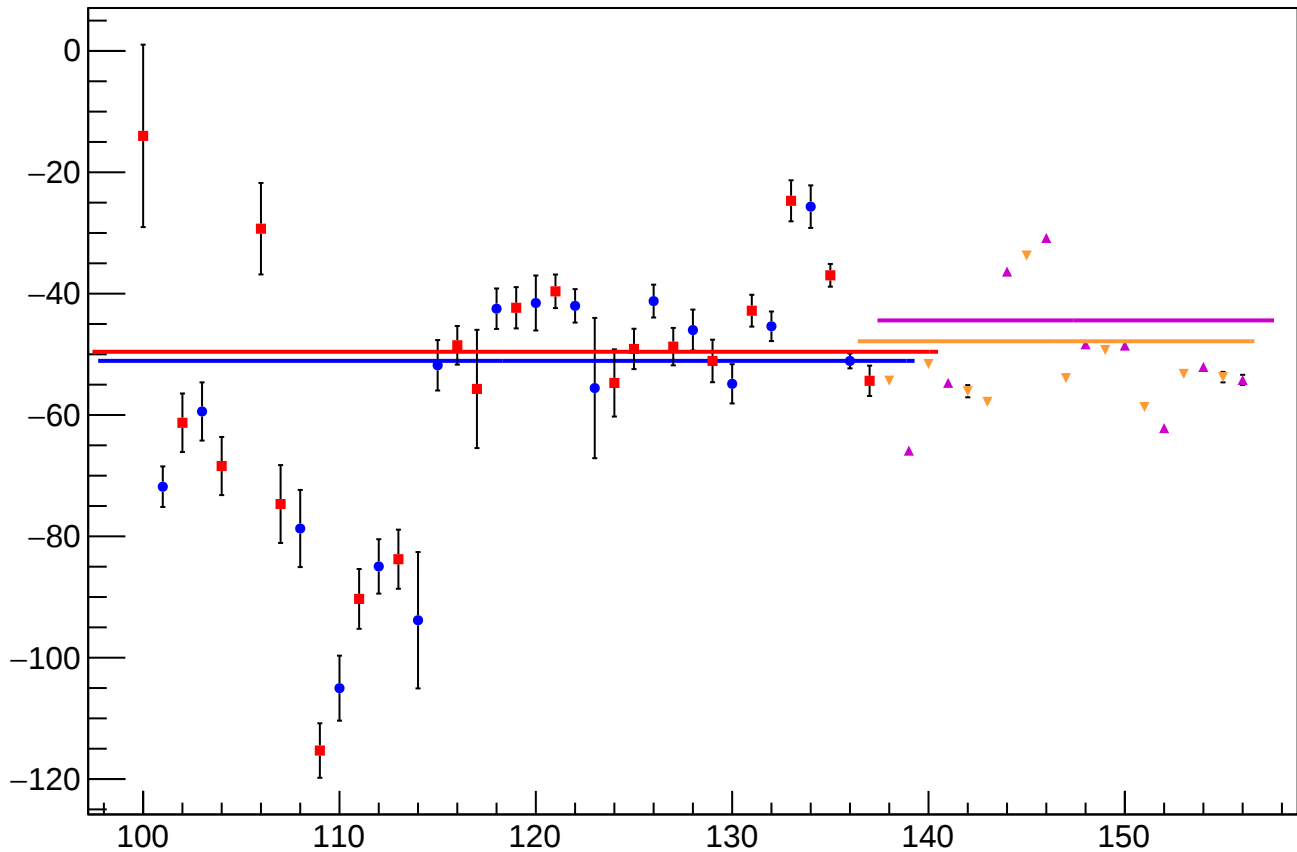
Right Out: 6.086+/-0.433 χ^2/NDF : 1512.2/19

Left In: 4.136+/-0.137 χ^2/NDF : 555.5/8

5.187+/-0.138 χ^2/NDF : 1477.9/26

4.314+/-0.131 χ^2/NDF : 2086.1/28

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -47.845 ± 0.213 χ^2/NDF : 2022.7/9

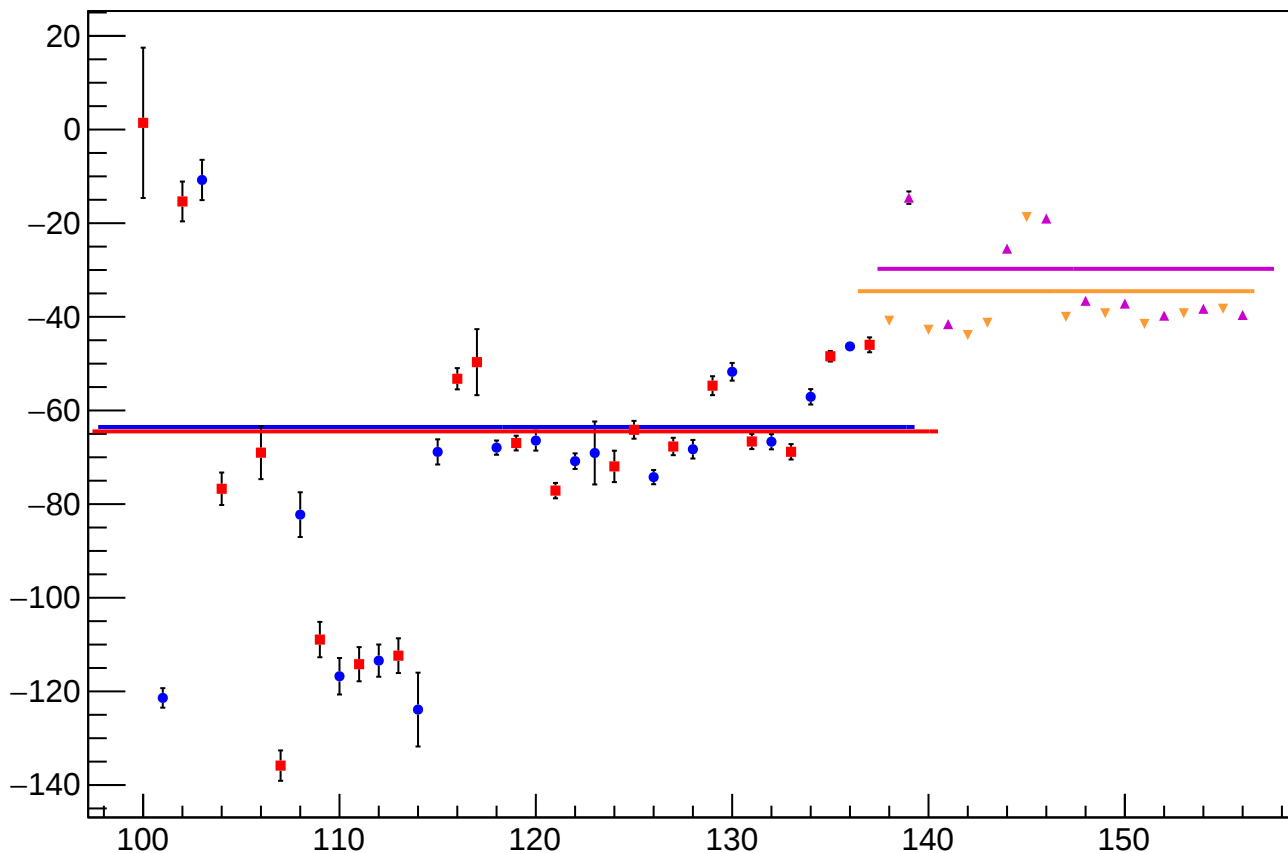
Right Out: -49.579 ± 0.796 χ^2/NDF : 510.0/19

Left In: -44.410 ± 0.201 χ^2/NDF : 3474.9/8

-48.091 ± 0.204 χ^2/NDF : 2370.5/26

-44.719 ± 0.195 χ^2/NDF : 4024.5/28

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525±/0.449 χ^2/NDF : 2010.9/16

Left Out: -34.521±/0.178 χ^2/NDF : 3192.7/9

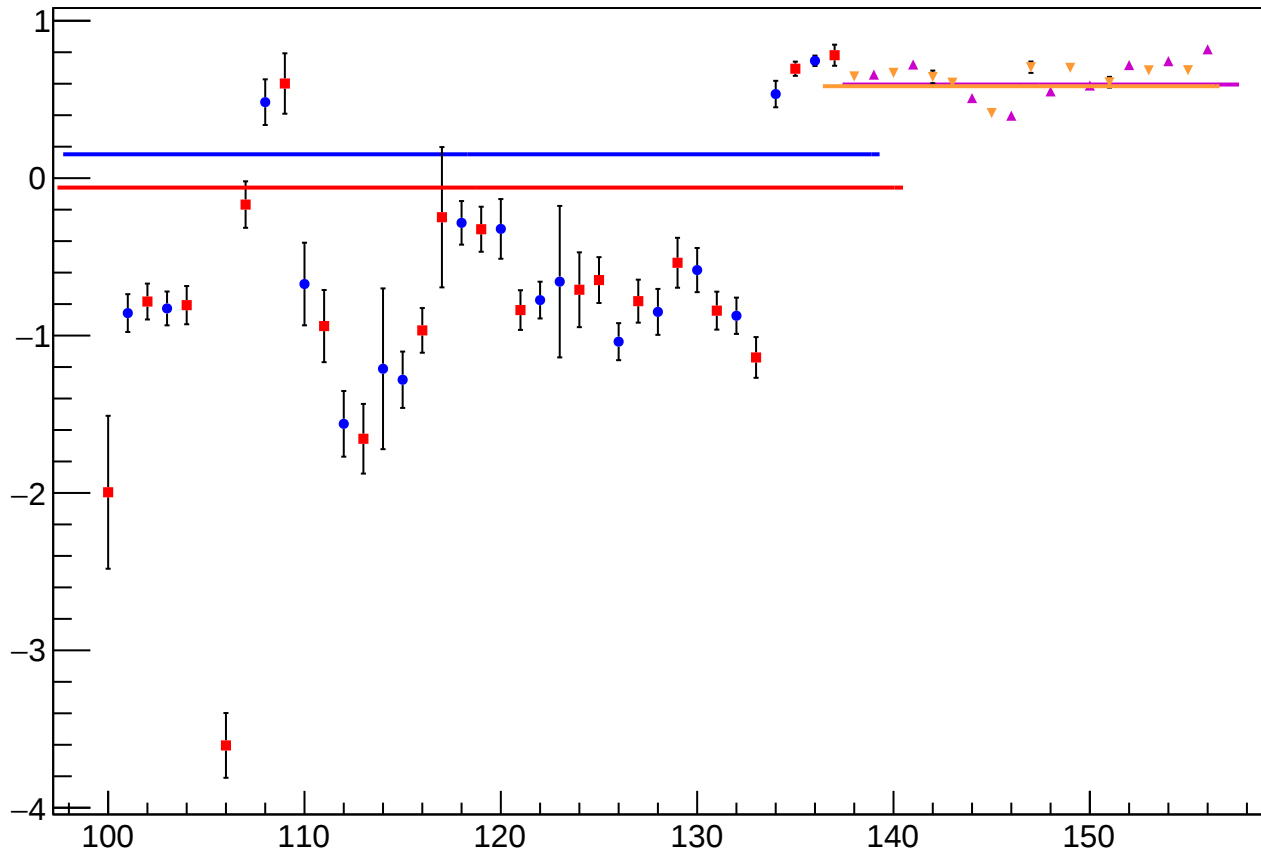
Right Out: -64.470±/0.482 χ^2/NDF : 1607.5/19

Left In: -29.749±/0.168 χ^2/NDF : 2868.8/8

-38.461±/0.165 χ^2/NDF : 8814.8/26

-33.500±/0.158 χ^2/NDF : 9108.2/28

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 $\pm$ 0.024 χ^2 /NDF: 987.4/16

0.536 $\pm$ 0.008 χ^2 /NDF: 1469.5/26

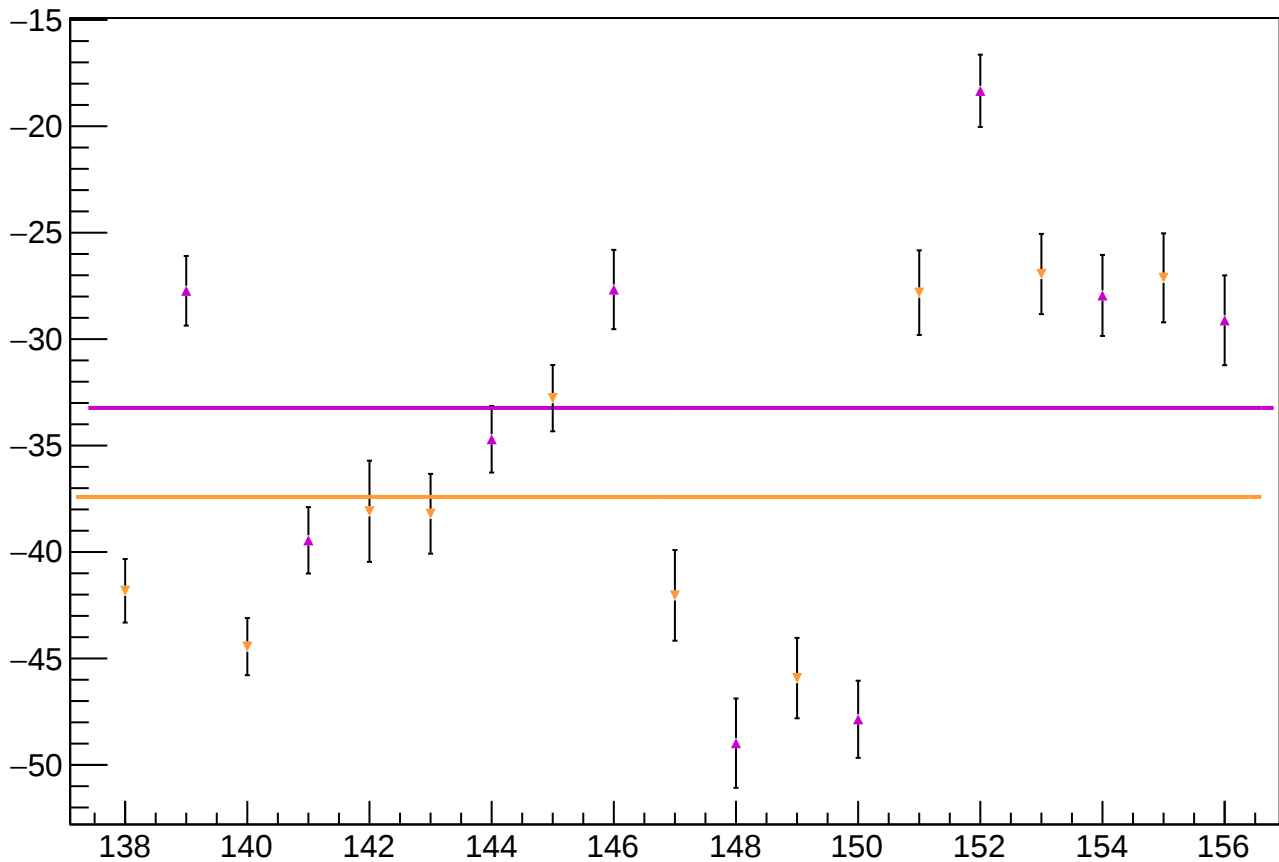
Left Out: 0.584 $\pm$ 0.009 χ^2 /NDF: 194.8/9

Right Out: -0.060 $\pm$ 0.026 χ^2 /NDF: 1162.1/19

0.536 $\pm$ 0.008 χ^2 /NDF: 2015.7/28

Left In: 0.595 $\pm$ 0.008 χ^2 /NDF: 287.7/8

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -37.410+/-0.564 χ^2/NDF : 148.8/9

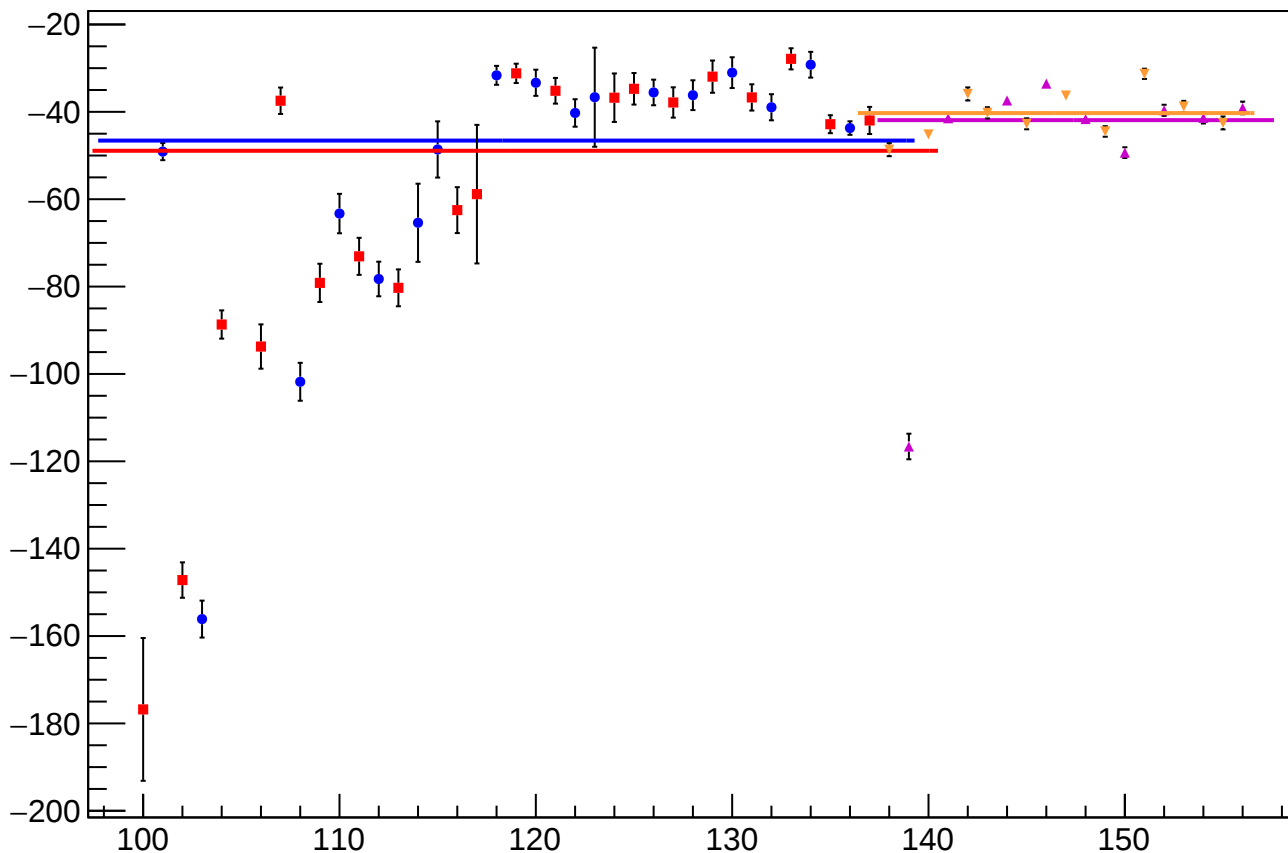
-37.410+/-0.564 χ^2/NDF : 148.8/9

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

-33.231+/-0.591 χ^2/NDF : 246.9/8

Left In: -33.231+/-0.591 χ^2/NDF : 246.9/8

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: -40.282 ± 0.396 $\chi^2/\text{NDF}: 153.9/9$

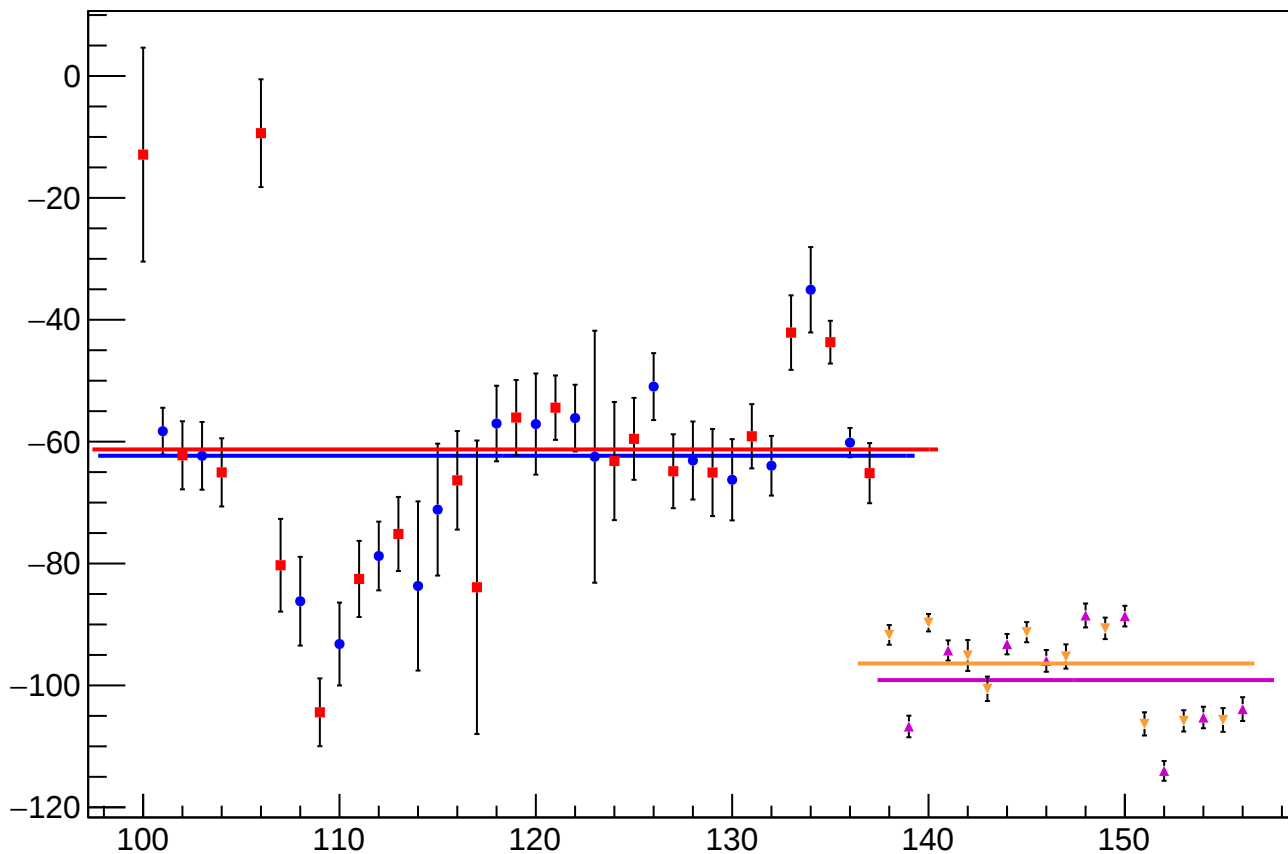
Right Out: -48.911 ± 0.763 $\chi^2/\text{NDF}: 1277.9/19$

Left In: -41.899 ± 0.415 $\chi^2/\text{NDF}: 764.3/8$

-41.712 ± 0.348 $\chi^2/\text{NDF}: 1287.9/26$

-43.502 ± 0.365 $\chi^2/\text{NDF}: 2107.4/28$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$

Left Out: -96.402 ± 0.570 $\chi^2/\text{NDF}: 134.3/9$

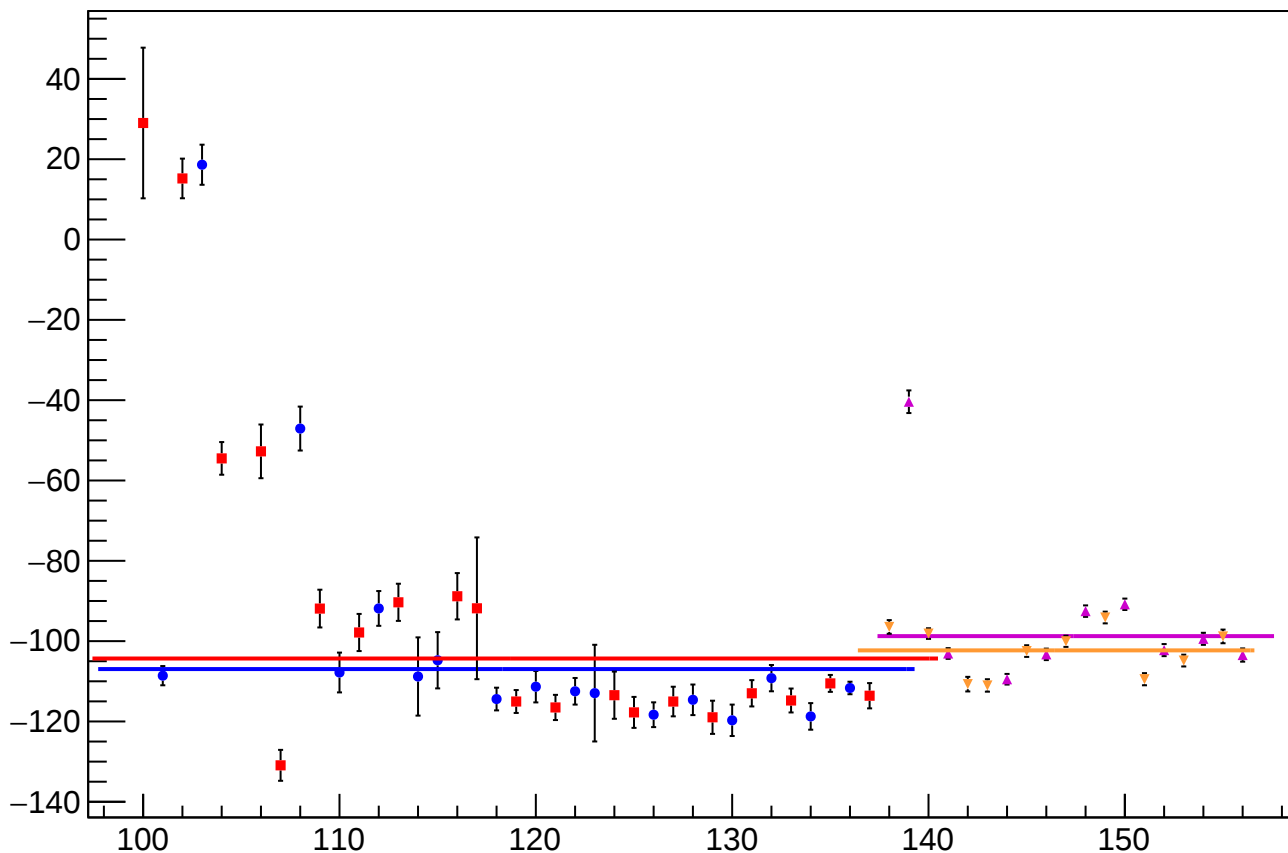
Right Out: -61.277 ± 1.379 $\chi^2/\text{NDF}: 165.9/19$

Left In: -99.127 ± 0.585 $\chi^2/\text{NDF}: 212.0/8$

-91.020 ± 0.523 $\chi^2/\text{NDF}: 766.7/26$

-93.350 ± 0.539 $\chi^2/\text{NDF}: 1016.6/28$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 χ^2/NDF : 827.2/16

Left Out: -102.300 ± 0.480 χ^2/NDF : 138.5/9

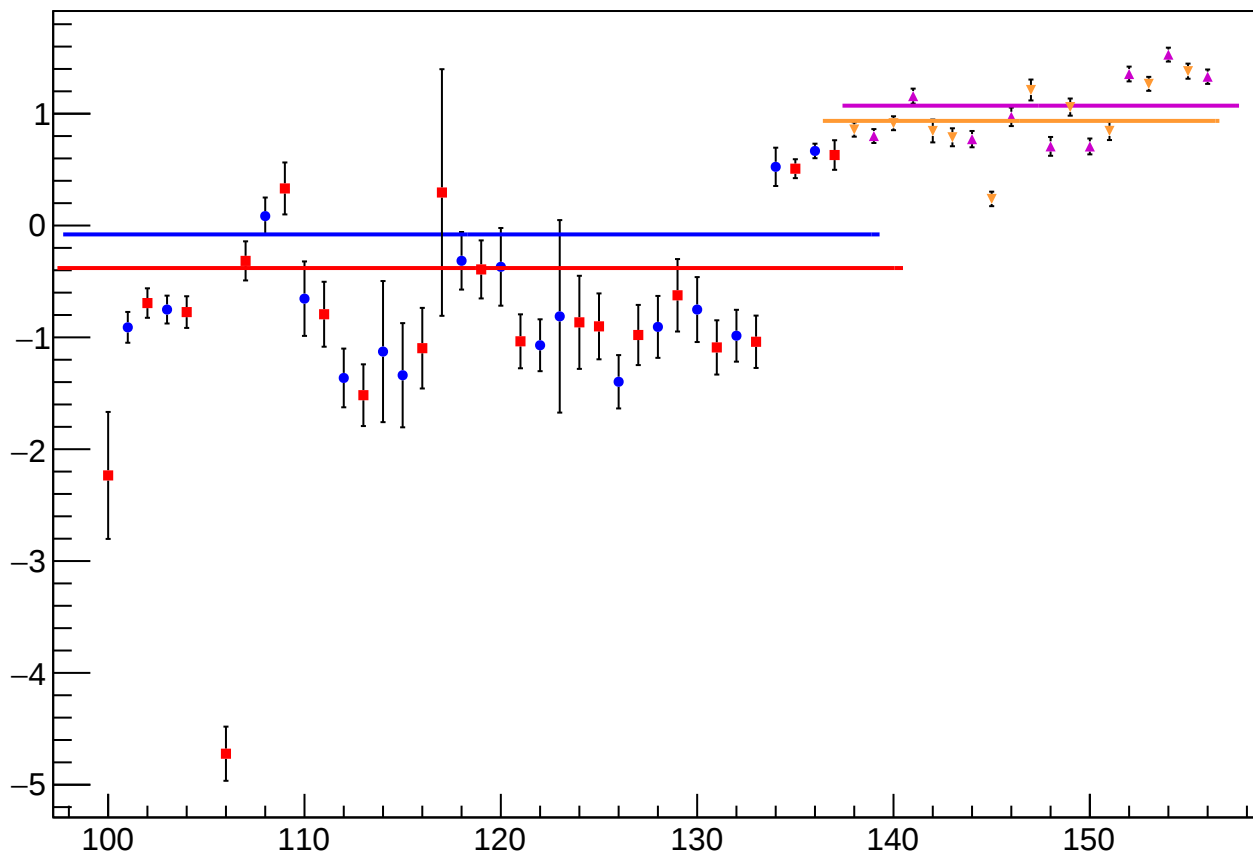
Right Out: -104.326 ± 0.860 χ^2/NDF : 1021.5/19

Left In: -98.750 ± 0.501 χ^2/NDF : 578.5/8

-103.496 ± 0.414 χ^2/NDF : 989.8/26

-100.162 ± 0.433 χ^2/NDF : 1631.3/28

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.936 ± 0.023 χ^2/NDF : 205.3/9

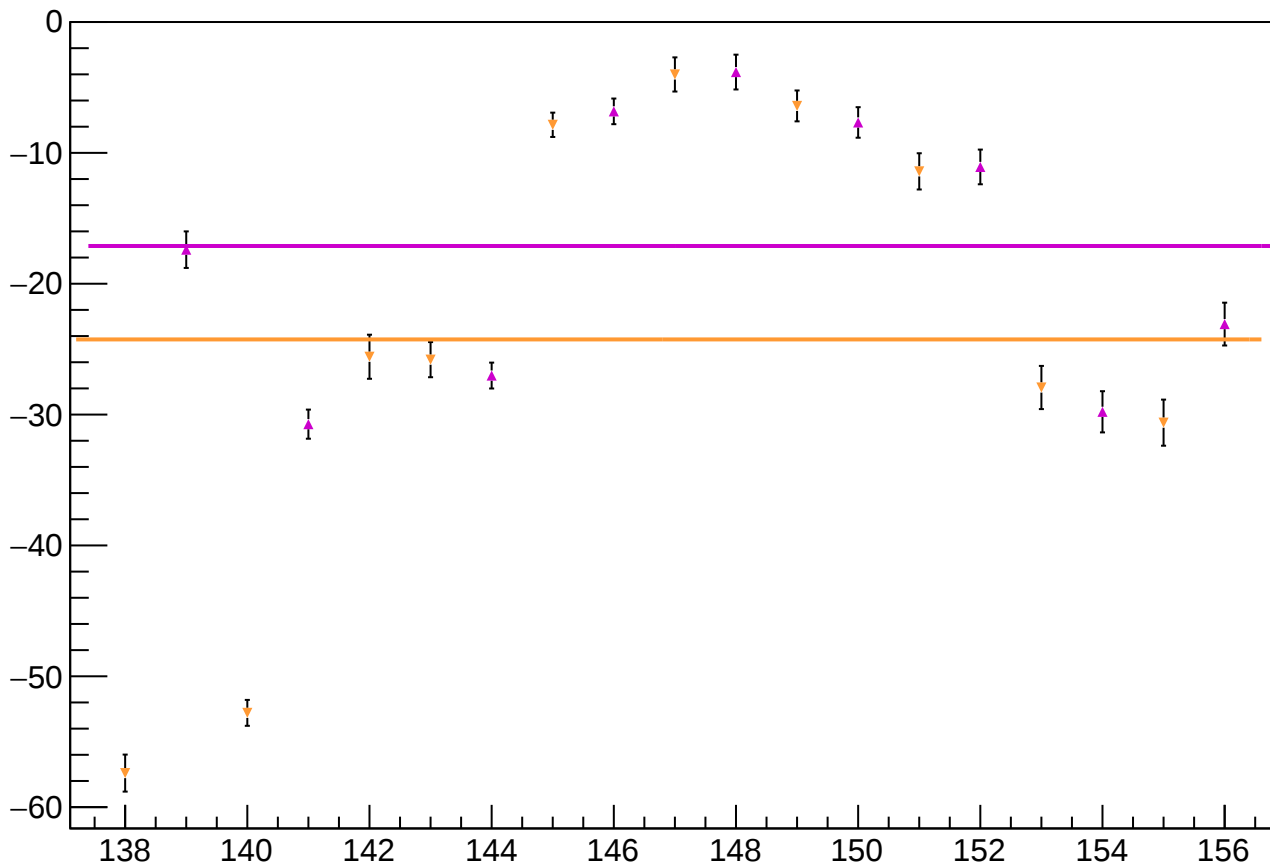
Right Out: -0.380 ± 0.044 χ^2/NDF : 580.9/19

Left In: 1.072 ± 0.023 χ^2/NDF : 172.7/8

0.705 ± 0.020 χ^2/NDF : 979.3/26

0.759 ± 0.020 χ^2/NDF : 1608.9/28

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -24.257+/-0.405 χ^2/NDF : 2266.3/9

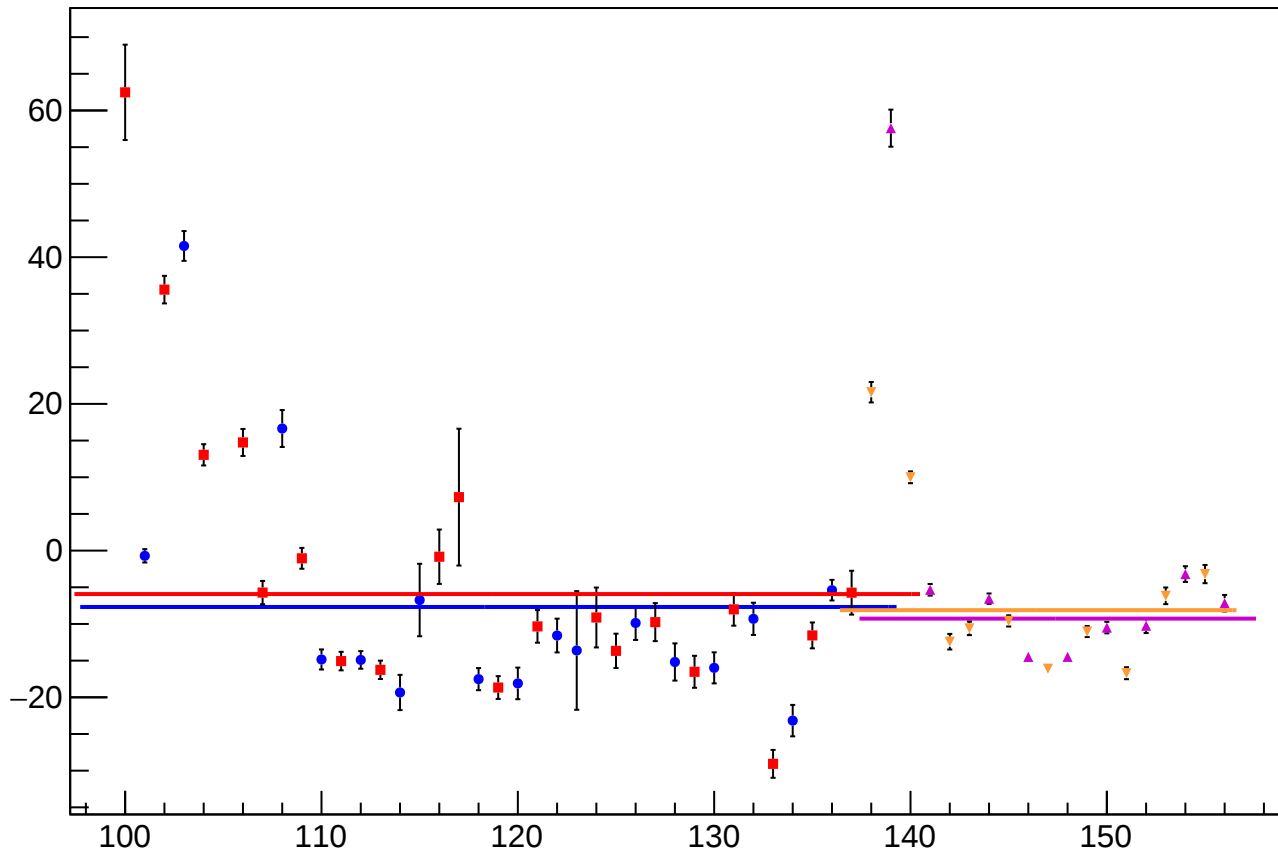
-24.257+/-0.405 χ^2/NDF : 2266.3/9

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

Left In: -17.116+/-0.407 χ^2/NDF : 624.5/8

-17.116+/-0.407 χ^2/NDF : 624.5/8

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -8.122 ± 0.277 χ^2/NDF : 1292.2/9

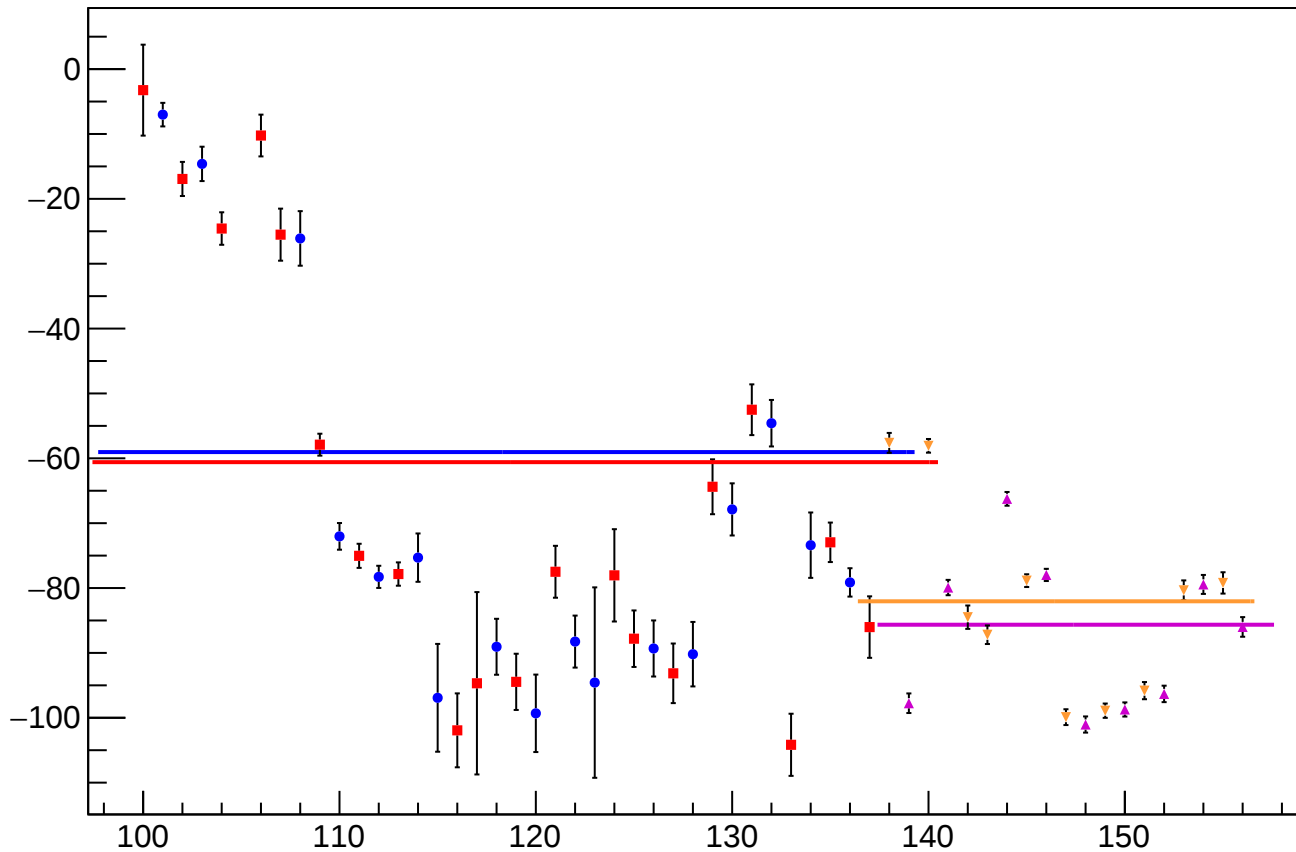
Right Out: -5.925 ± 0.428 χ^2/NDF : 1300.1/19

Left In: -9.271 ± 0.277 χ^2/NDF : 914.8/8

-7.994 ± 0.233 χ^2/NDF : 2268.9/26

-8.285 ± 0.233 χ^2/NDF : 2257.9/28

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -82.044 ± 0.408 χ^2/NDF : 1356.2/9

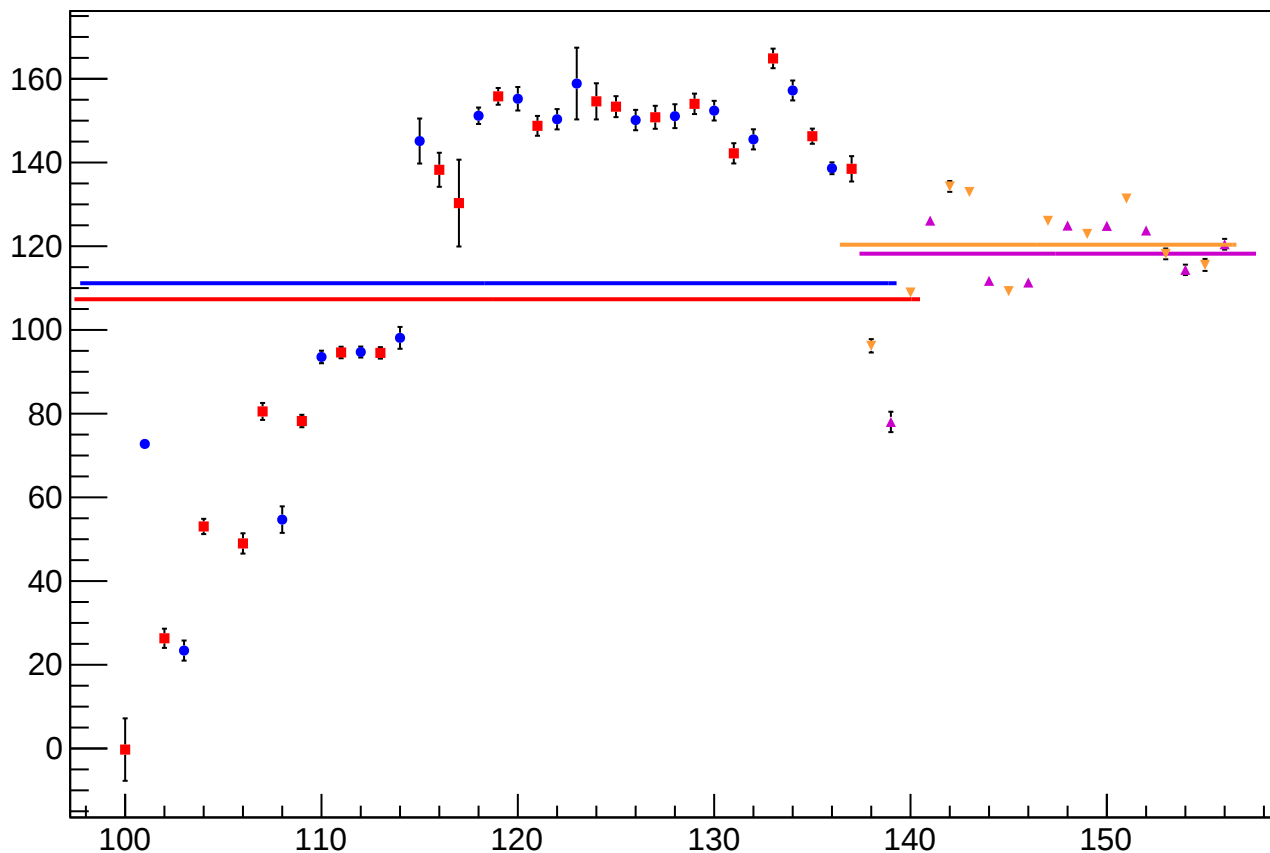
Right Out: -60.593 ± 0.704 χ^2/NDF : 1390.7/19

Left In: -85.655 ± 0.402 χ^2/NDF : 873.9/8

-76.748 ± 0.358 χ^2/NDF : 3798.4/26

-79.481 ± 0.349 χ^2/NDF : 3221.0/28

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: 120.363 $\pm$ 0.339 χ^2 /NDF: 946.8/9

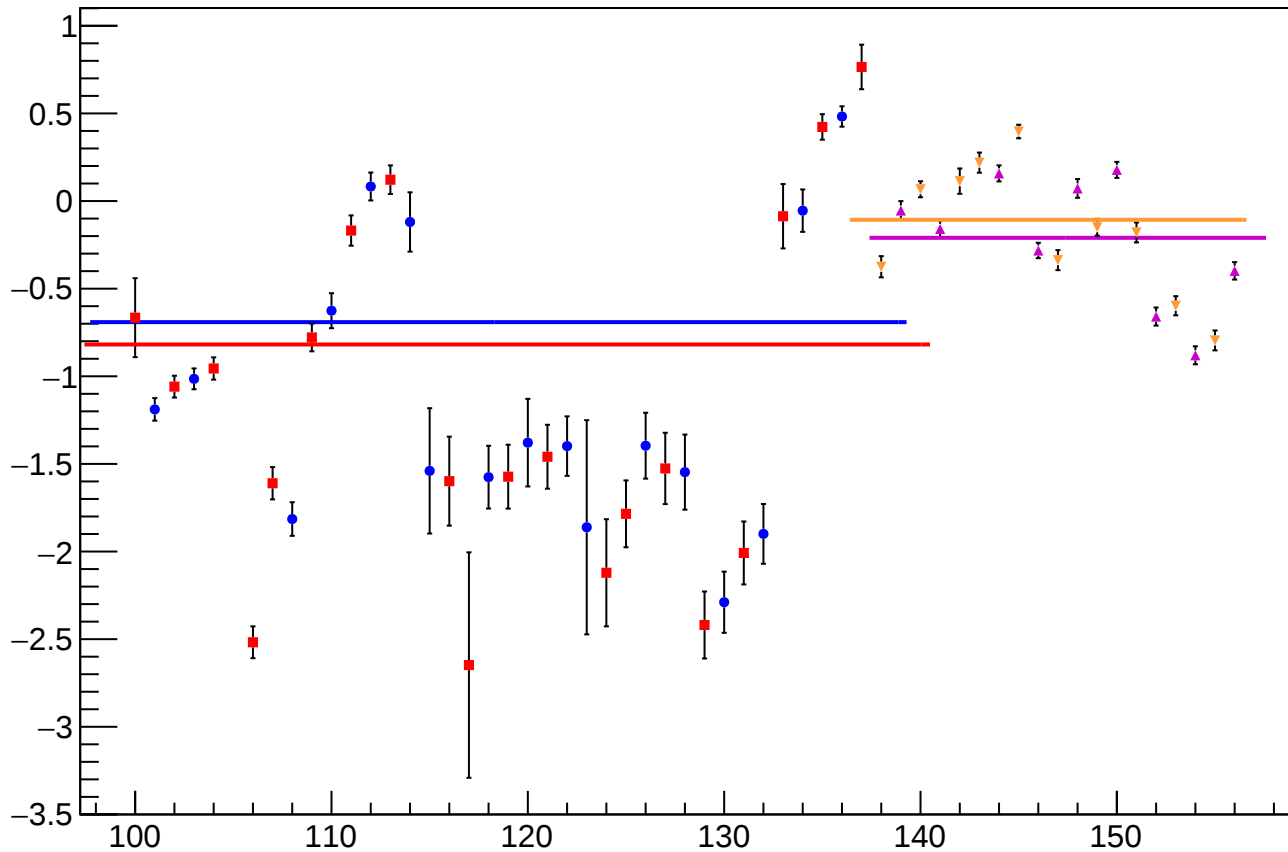
Right Out: 107.334 $\pm$ 0.487 χ^2 /NDF: 7060.0/19

Left In: 118.218 $\pm$ 0.337 χ^2 /NDF: 624.7/8

117.379 $\pm$ 0.278 χ^2 /NDF: 7063.8/26

114.690 $\pm$ 0.277 χ^2 /NDF: 8022.1/28

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.107 ± 0.017 χ^2/NDF : 491.5/9

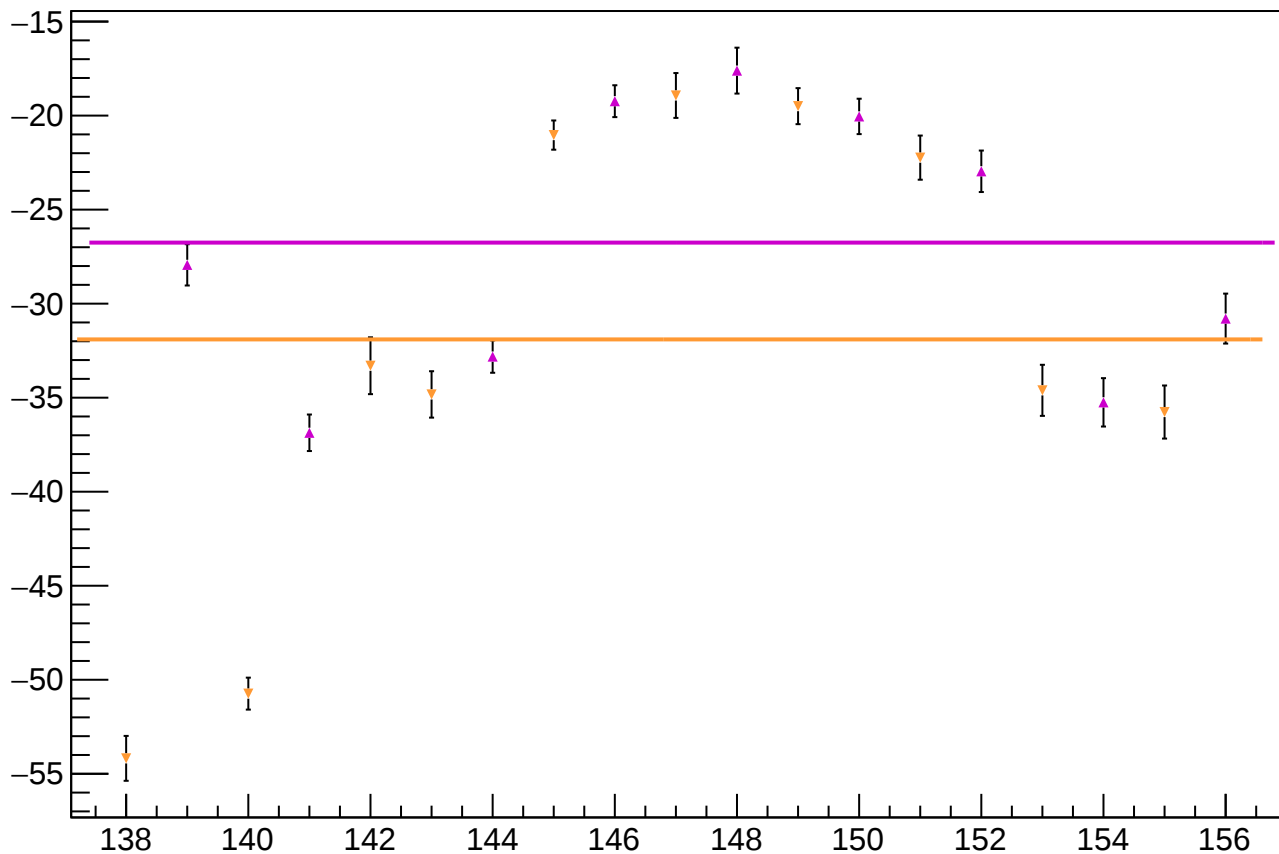
Right Out: -0.819 ± 0.024 χ^2/NDF : 1312.5/19

Left In: -0.210 ± 0.016 χ^2/NDF : 437.4/8

-0.278 ± 0.014 χ^2/NDF : 1843.8/26

-0.398 ± 0.014 χ^2/NDF : 2181.6/28

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -31.902+/-0.345 χ^2/NDF : 1406.9/9

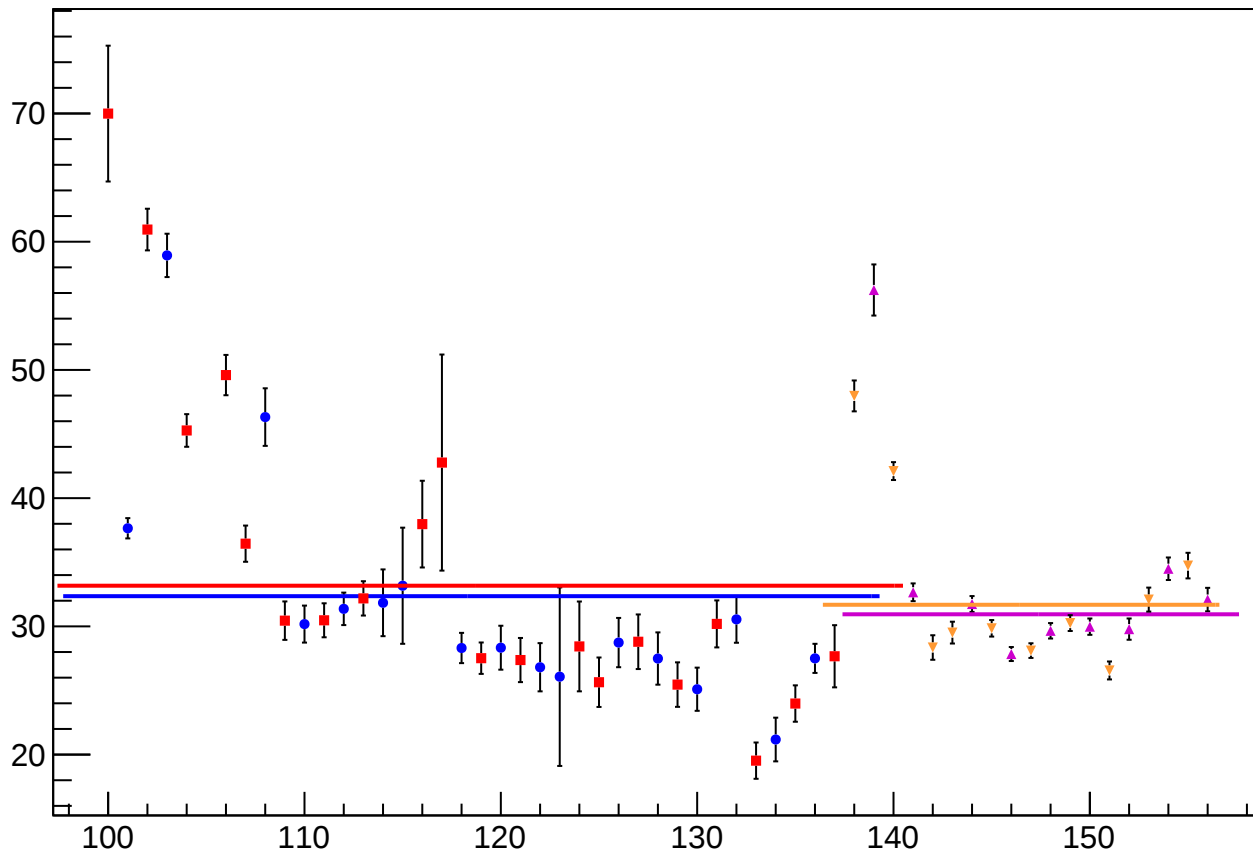
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -26.754+/-0.344 χ^2/NDF : 409.8/8

-31.902+/-0.345 χ^2/NDF : 1406.9/9

-26.754+/-0.344 χ^2/NDF : 409.8/8

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355 ± 0.375 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 31.685 ± 0.239 $\chi^2/\text{NDF}: 540.7/9$

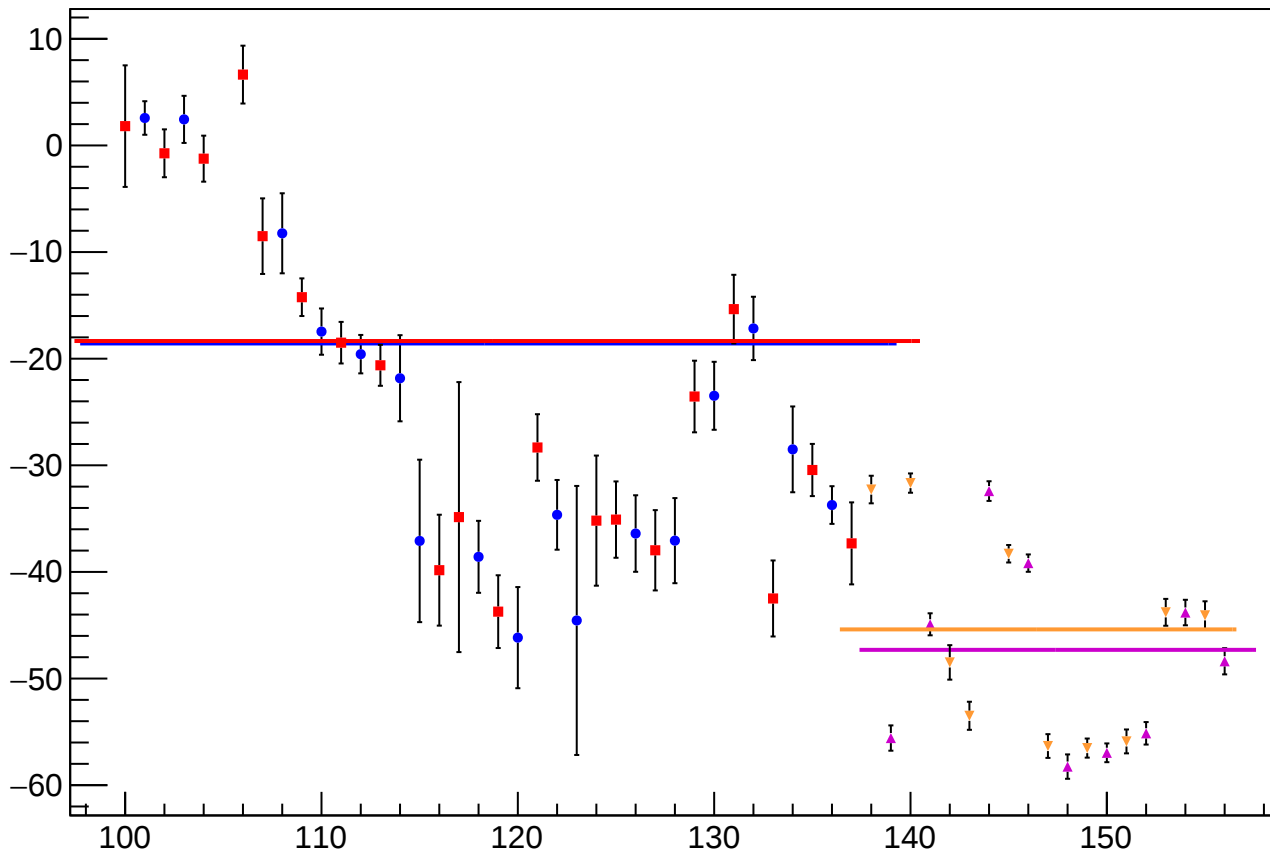
Right Out: 33.172 ± 0.378 $\chi^2/\text{NDF}: 773.3/19$

Left In: 30.943 ± 0.239 $\chi^2/\text{NDF}: 227.7/8$

31.878 ± 0.202 $\chi^2/\text{NDF}: 993.5/26$

31.579 ± 0.202 $\chi^2/\text{NDF}: 1025.7/28$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 $\pm$ 0.667 χ^2/NDF : 511.5/16

Left Out: -45.392 $\pm$ 0.347 χ^2/NDF : 790.2/9

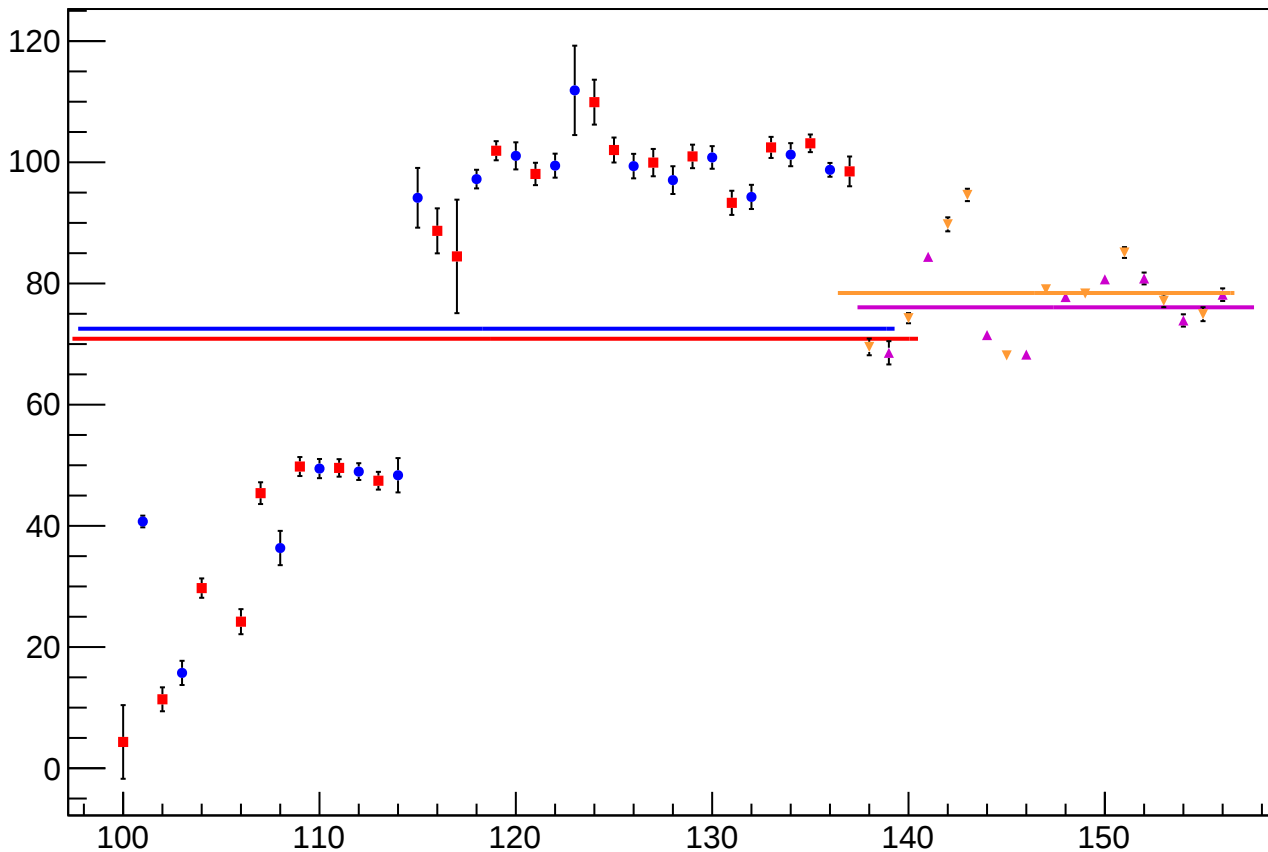
Right Out: -18.343 $\pm$ 0.643 χ^2/NDF : 475.1/19

Left In: -47.309 $\pm$ 0.340 χ^2/NDF : 690.8/8

-39.693 $\pm$ 0.308 χ^2/NDF : 2573.1/26

-40.977 $\pm$ 0.301 χ^2/NDF : 2751.6/28

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537+/-0.428 χ^2/NDF : 4684.1/16

Left Out: 78.431+/-0.291 χ^2/NDF : 674.8/9

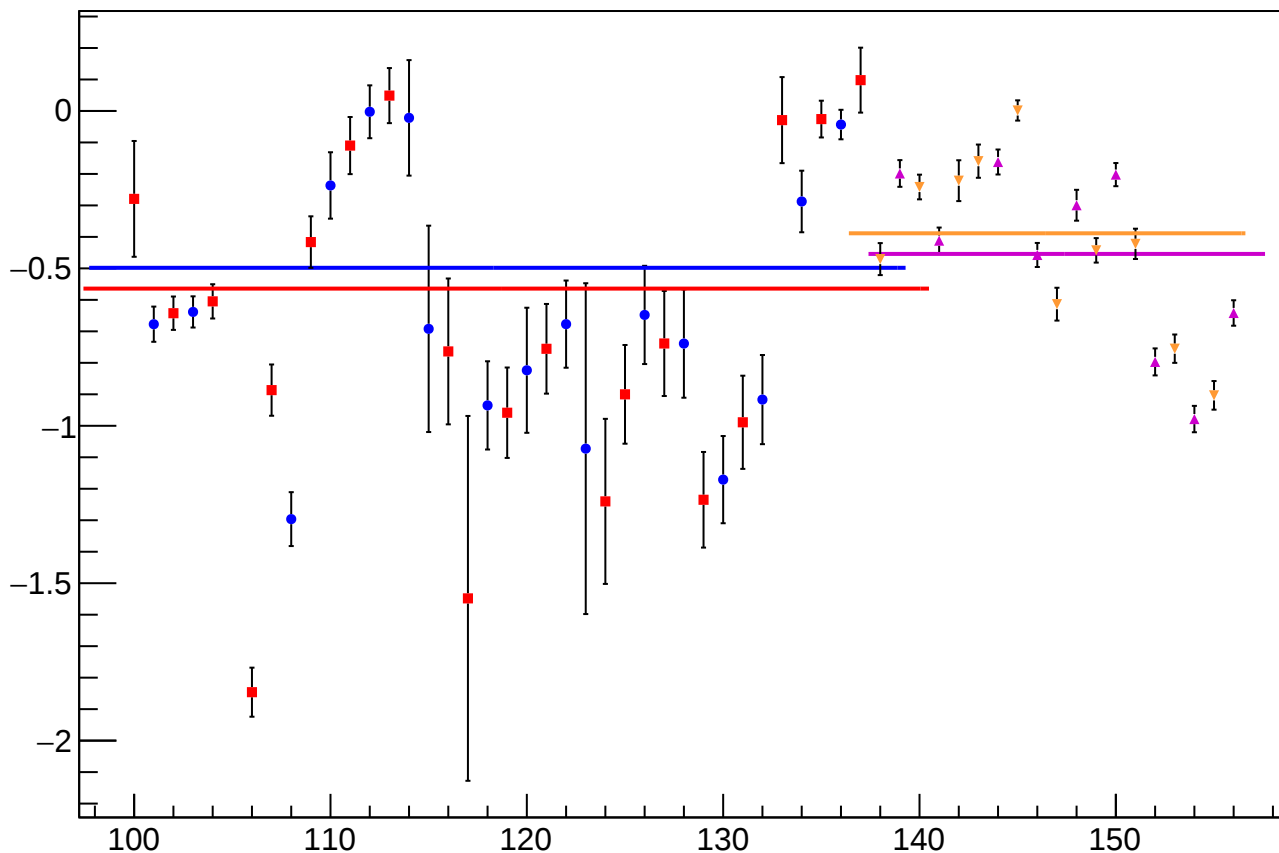
Right Out: 70.878+/-0.433 χ^2/NDF : 5502.3/19

Left In: 76.068+/-0.289 χ^2/NDF : 363.8/8

76.570+/-0.241 χ^2/NDF : 5488.5/26

74.469+/-0.240 χ^2/NDF : 5965.6/28

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498±/0.022 χ^2/NDF : 302.8/16

Left Out: -0.389±/0.014 χ^2/NDF : 404.7/9

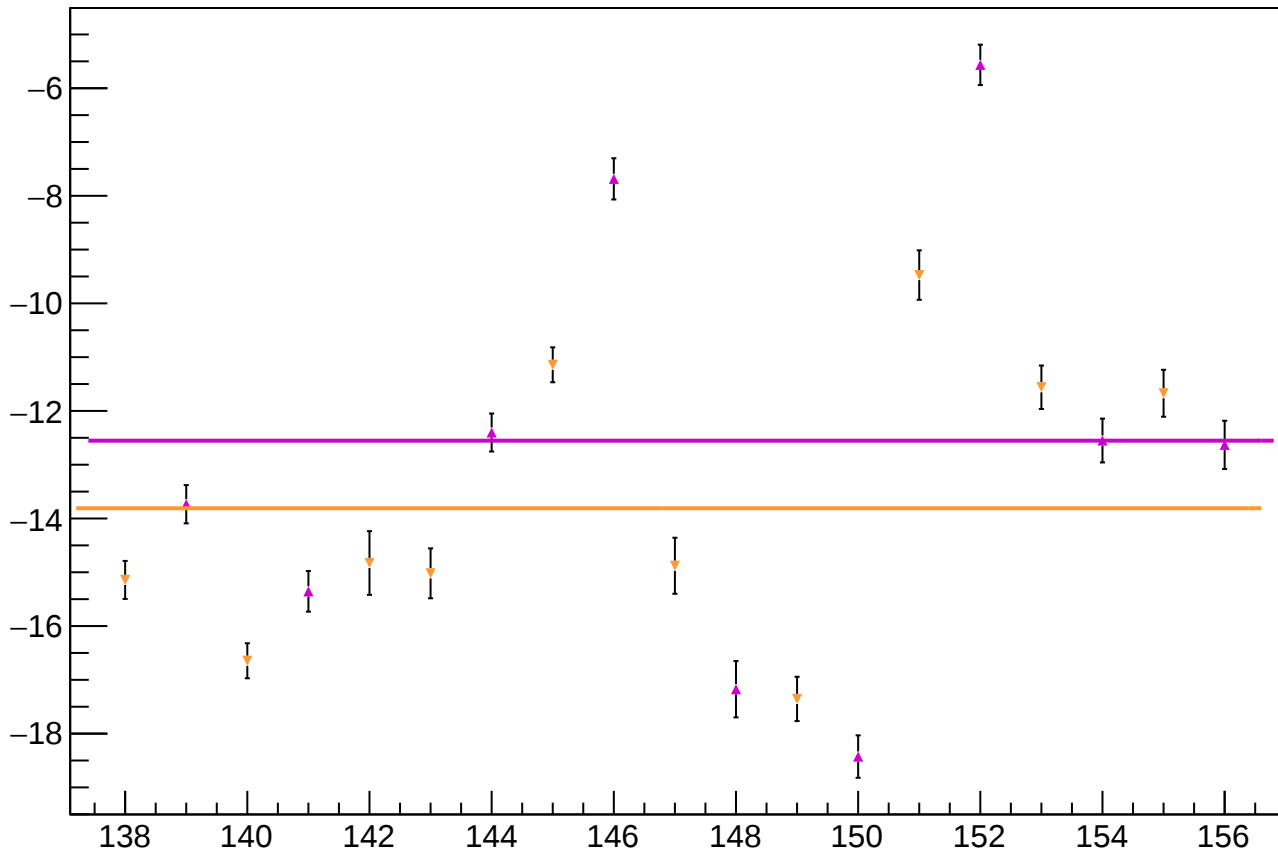
Right Out: -0.564±/0.021 χ^2/NDF : 563.6/19

Left In: -0.454±/0.014 χ^2/NDF : 390.5/8

-0.420±/0.012 χ^2/NDF : 724.7/26

-0.486±/0.012 χ^2/NDF : 972.9/28

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: -13.810+/-0.129 χ^2/NDF : 389.5/9

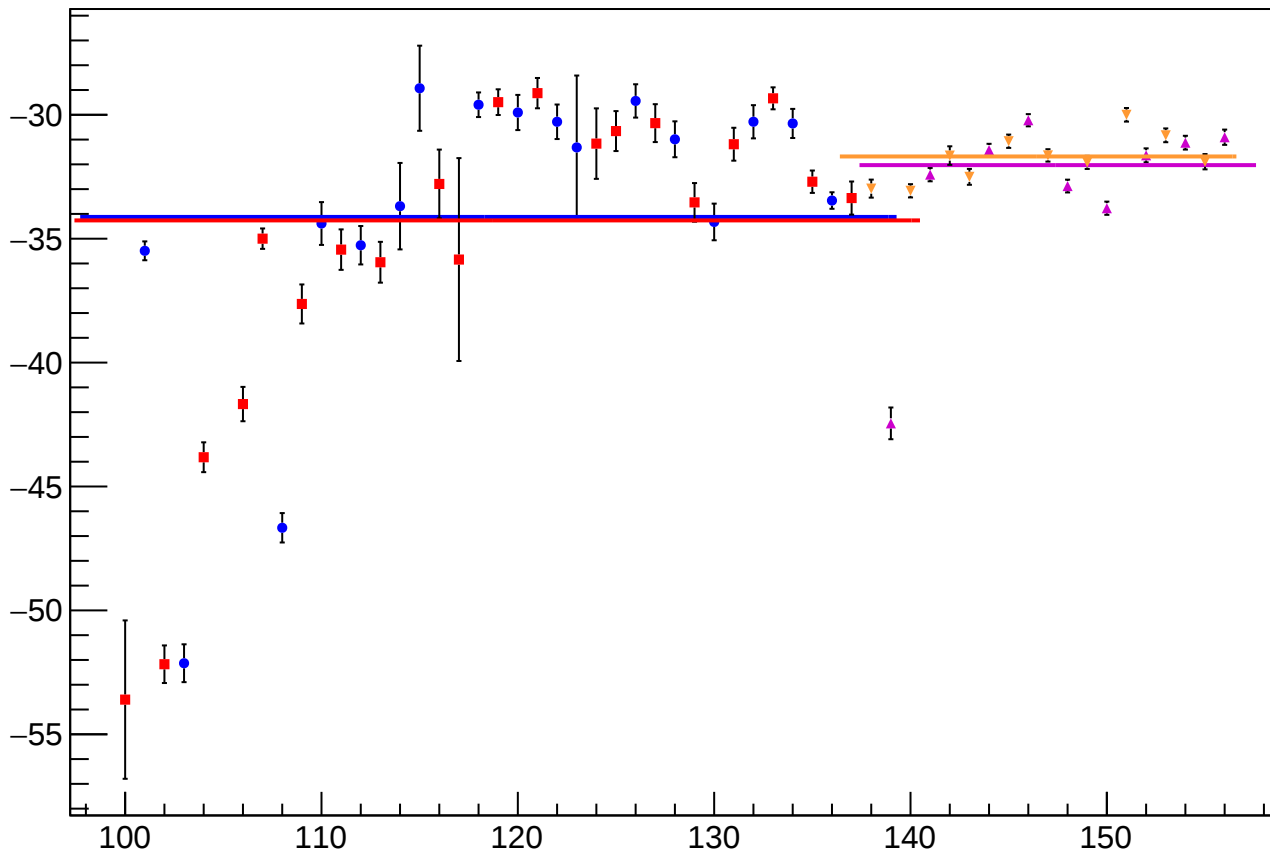
-13.810+/-0.129 χ^2/NDF : 389.5/9

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

-12.553+/-0.131 χ^2/NDF : 873.4/8

Left In: -12.553+/-0.131 χ^2/NDF : 873.4/8

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.122 ± 0.152 $\chi^2/\text{NDF}: 1322.4/16$

Left Out: -31.682 ± 0.092 $\chi^2/\text{NDF}: 99.6/9$

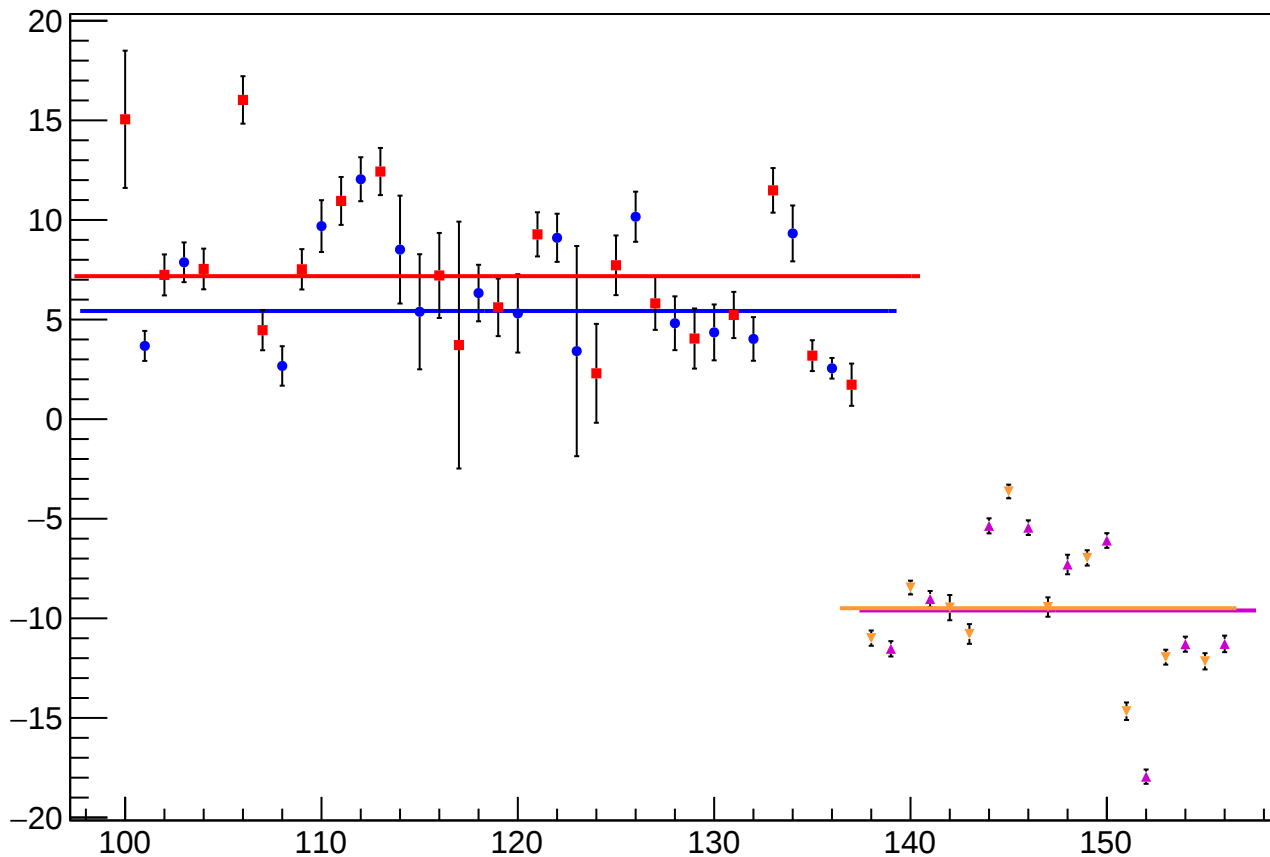
Right Out: -34.262 ± 0.151 $\chi^2/\text{NDF}: 1355.1/19$

Left In: -32.031 ± 0.094 $\chi^2/\text{NDF}: 405.7/8$

-32.333 ± 0.078 $\chi^2/\text{NDF}: 1611.4/26$

-32.656 ± 0.080 $\chi^2/\text{NDF}: 1918.5/28$

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: -9.491 ± 0.130 $\chi^2/\text{NDF}: 590.0/9$

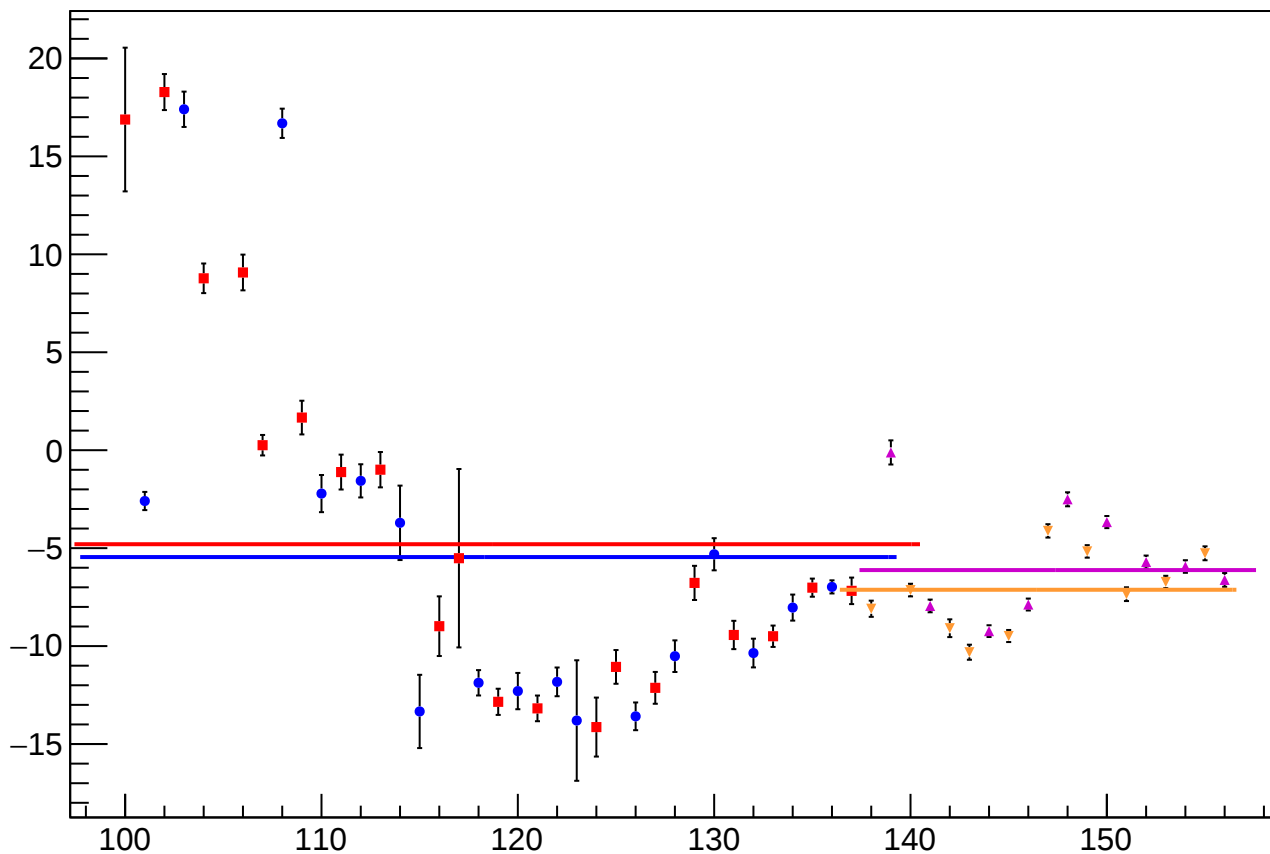
Right Out: 7.178 ± 0.274 $\chi^2/\text{NDF}: 182.4/19$

Left In: -9.605 ± 0.130 $\chi^2/\text{NDF}: 969.7/8$

-6.701 ± 0.117 $\chi^2/\text{NDF}: 3198.1/26$

-6.531 ± 0.117 $\chi^2/\text{NDF}: 4212.9/28$

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: -7.125+/-0.110 χ^2/NDF : 295.8/9

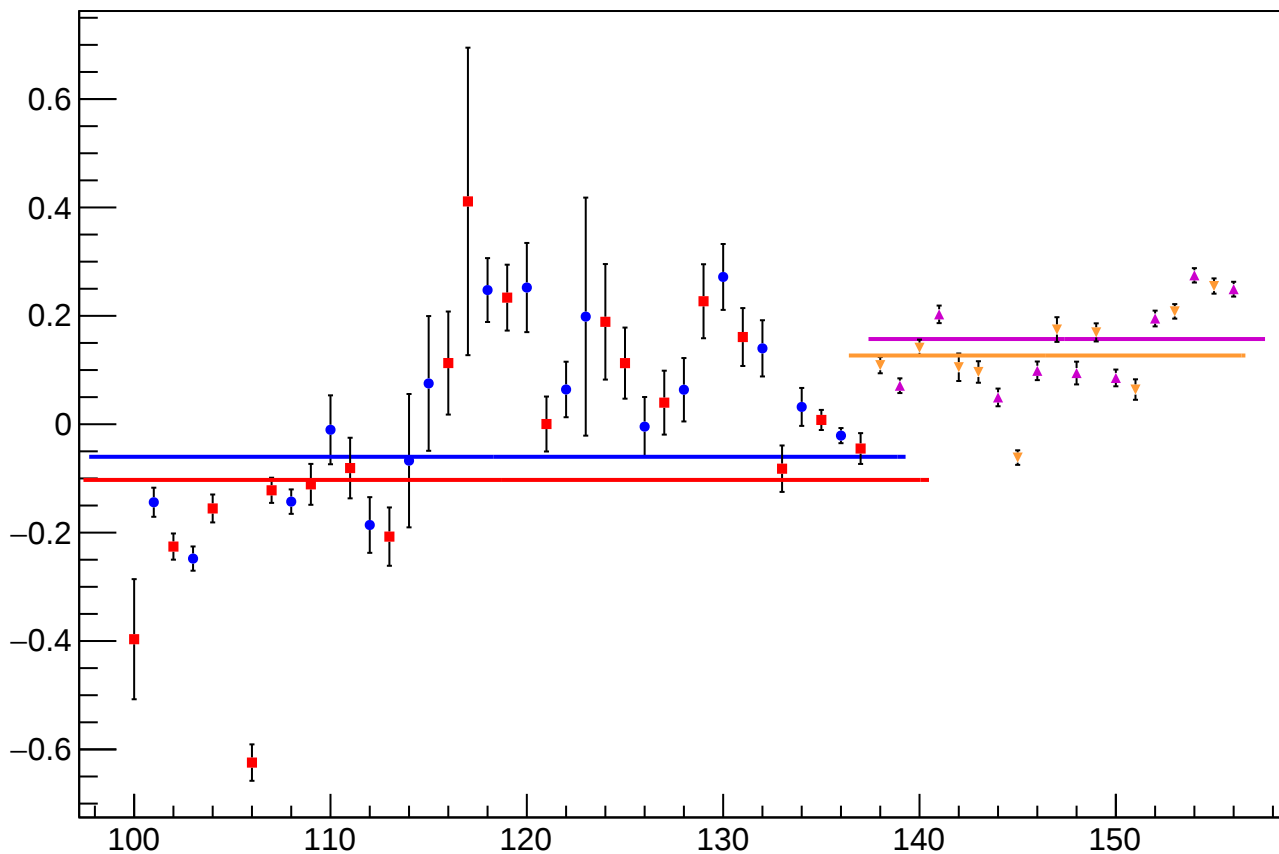
Right Out: -4.799+/-0.173 χ^2/NDF : 2047.5/19

Left In: -6.120+/-0.112 χ^2/NDF : 436.6/8

-6.633+/-0.093 χ^2/NDF : 2459.7/26

-5.727+/-0.094 χ^2/NDF : 2525.0/28

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: 0.127 ± 0.005 χ^2/NDF : 343.4/9

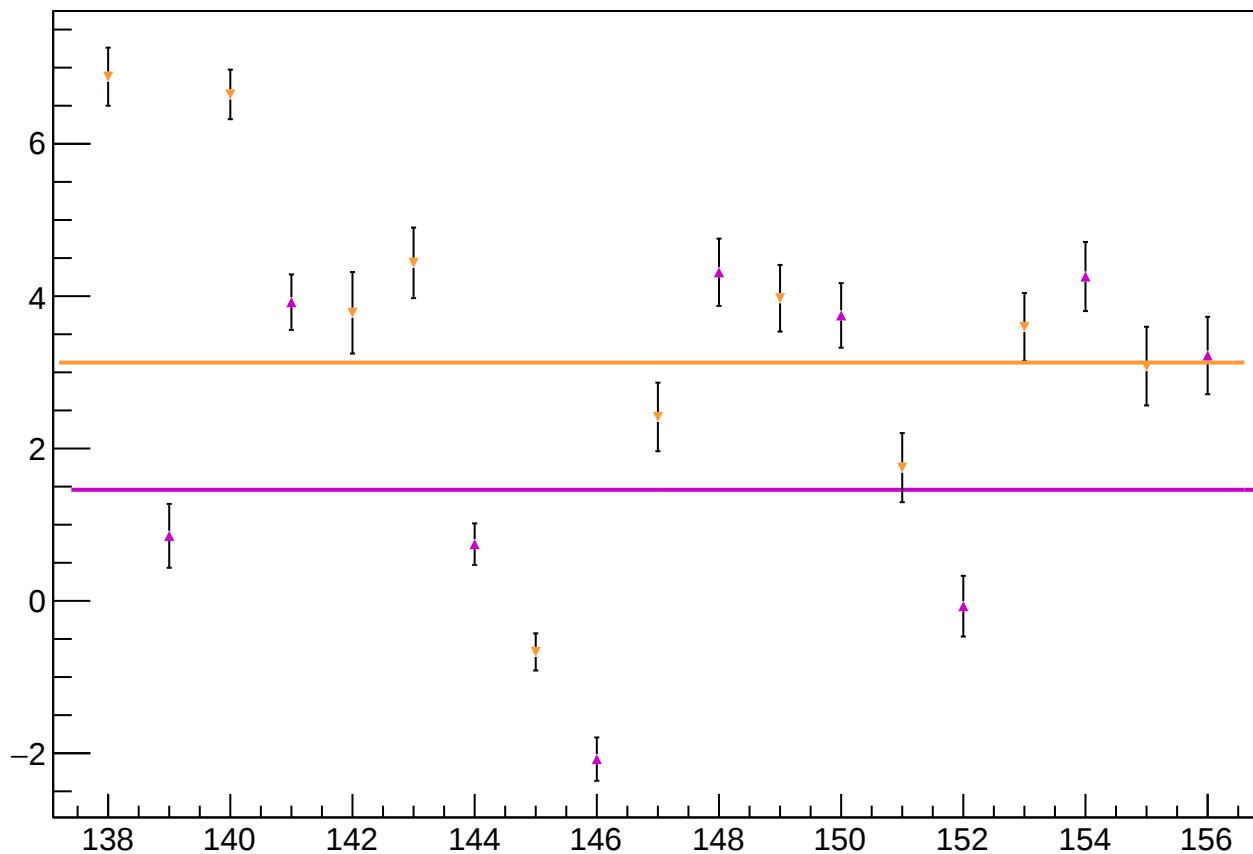
Right Out: -0.103 ± 0.008 χ^2/NDF : 437.6/19

Left In: 0.157 ± 0.005 χ^2/NDF : 264.2/8

0.076 ± 0.004 χ^2/NDF : 917.7/26

0.088 ± 0.004 χ^2/NDF : 1398.3/28

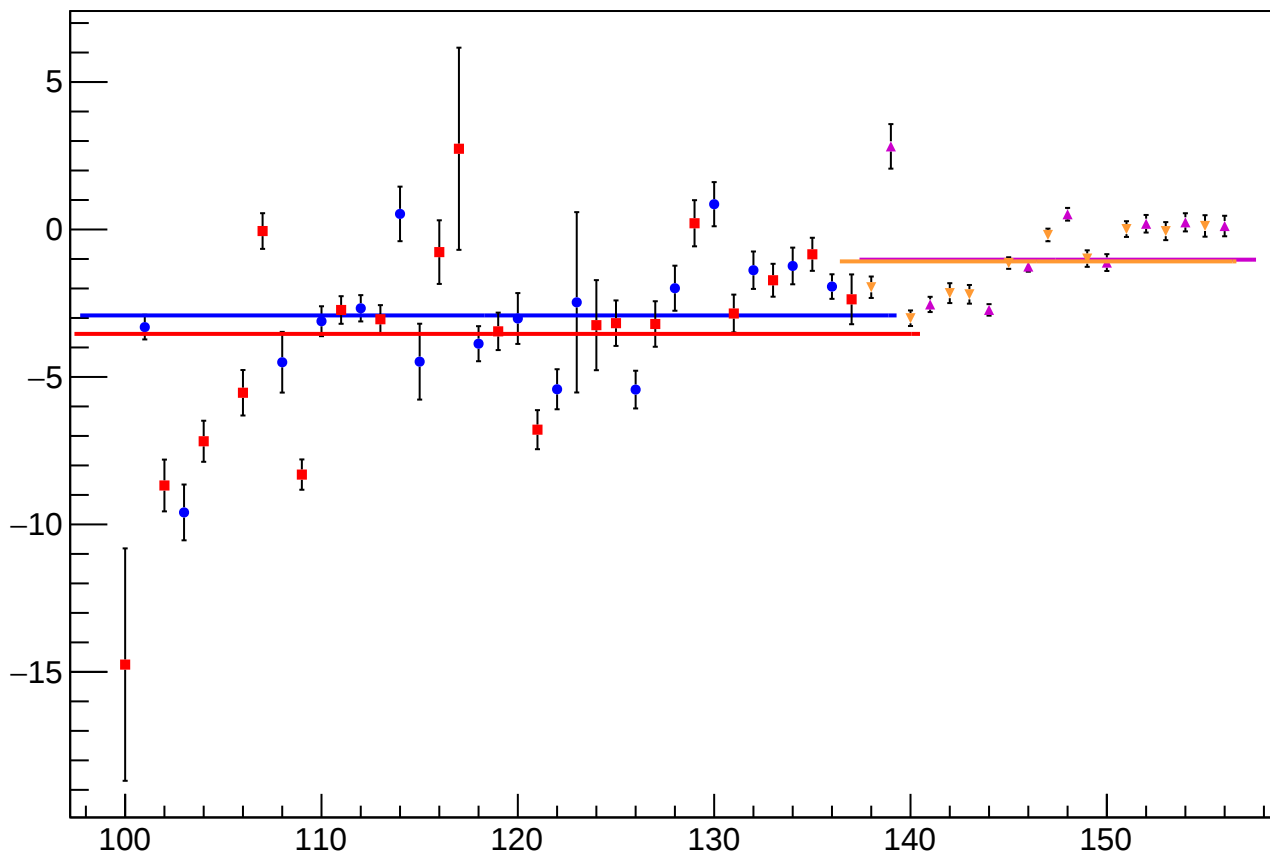
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.128 $\pm$ 0.124 χ^2 /NDF:482.8/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.458 $\pm$ 0.124 χ^2 /NDF:344.8/8

3.128 $\pm$ 0.124 χ^2 /NDF: 482.8/9
 1.458 $\pm$ 0.124 χ^2 /NDF: 344.8/8

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: -1.082 ± 0.087 χ^2/NDF : 138.6/9

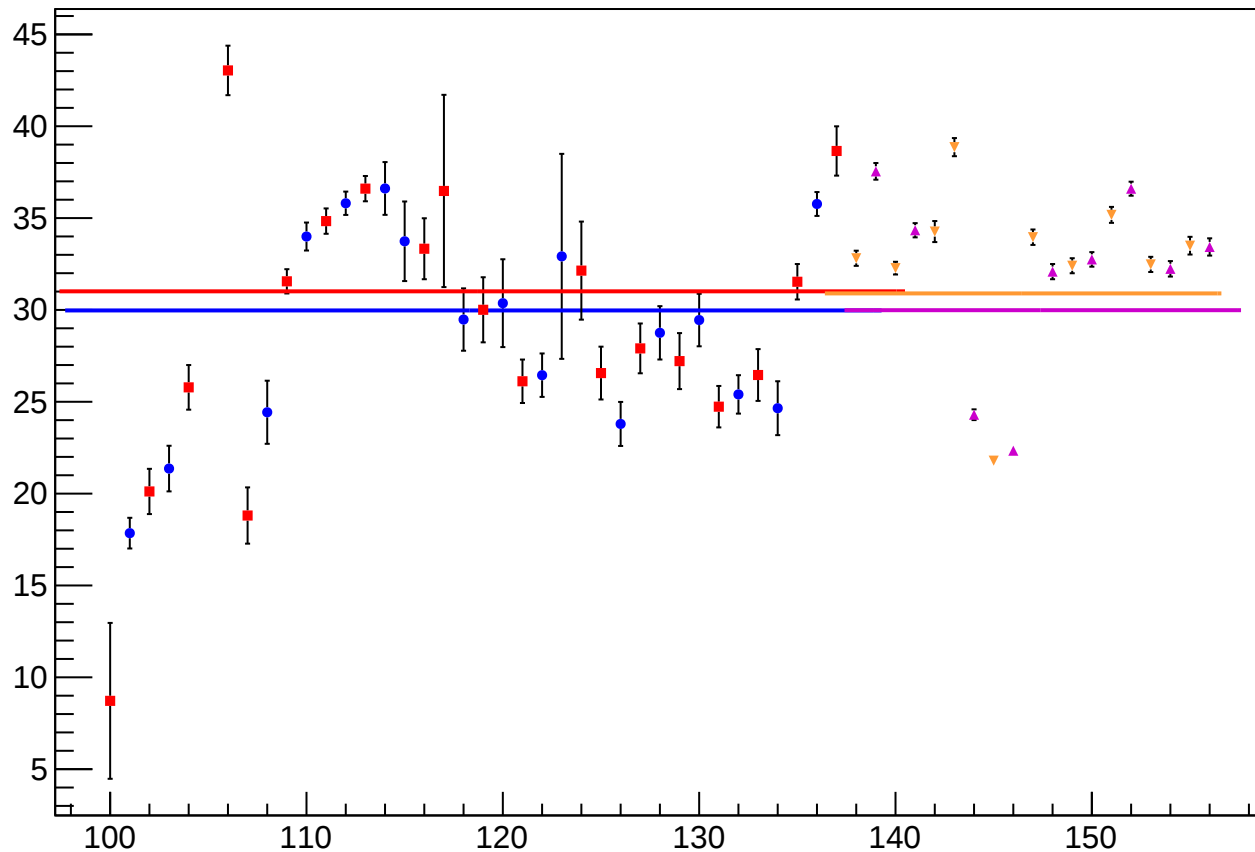
Right Out: -3.540 ± 0.154 χ^2/NDF : 294.2/19

Left In: -1.023 ± 0.085 χ^2/NDF : 234.0/8

-1.518 ± 0.076 χ^2/NDF : 391.4/26

-1.604 ± 0.074 χ^2/NDF : 732.5/28

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 30.899 $\pm$ 0.126 χ^2 /NDF: 1768.1/9

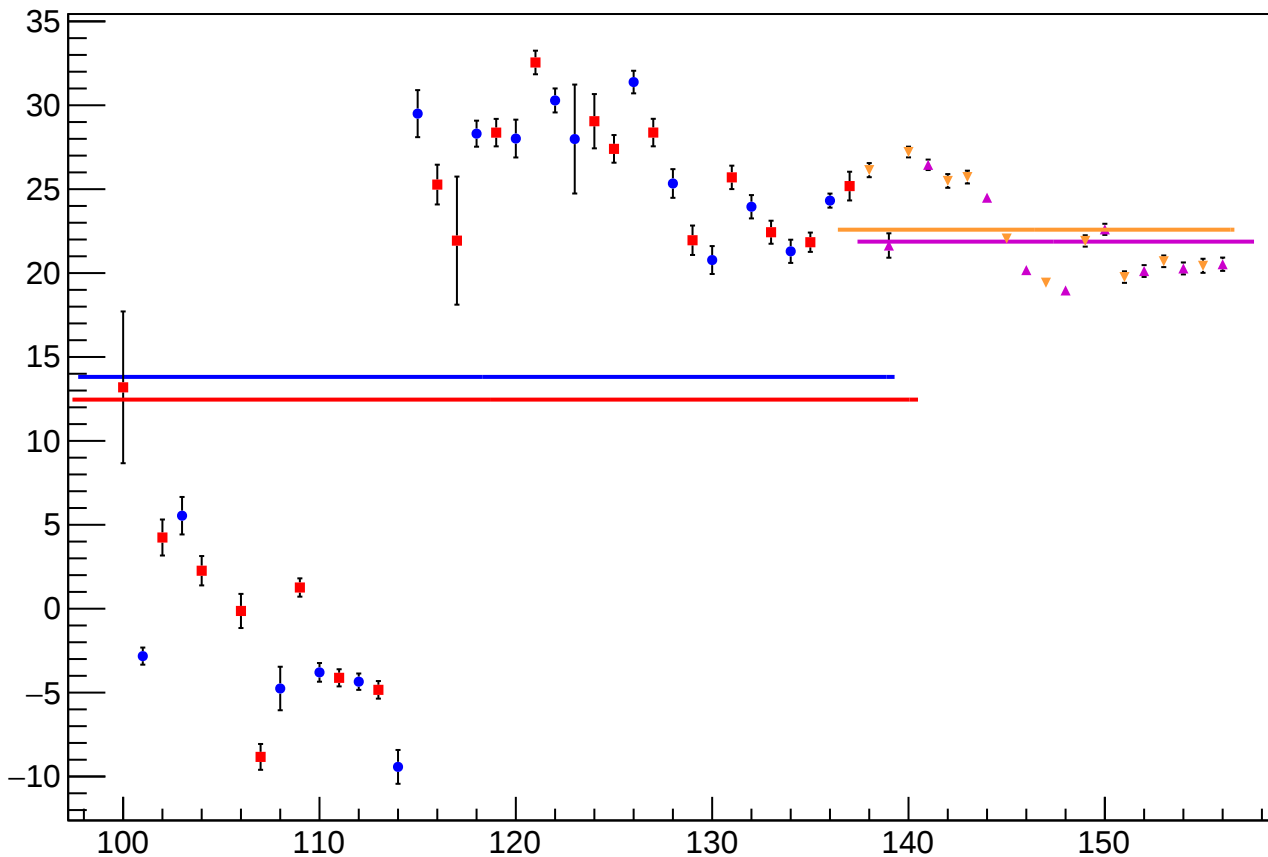
Right Out: 31.013 $\pm$ 0.260 χ^2 /NDF: 480.6/19

Left In: 29.986 $\pm$ 0.123 χ^2 /NDF: 2025.1/8

30.731 $\pm$ 0.114 χ^2 /NDF: 2332.2/26

30.175 $\pm$ 0.111 χ^2 /NDF: 2518.4/28

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: 22.586 $\pm$ 0.105 χ^2 /NDF:646.0/9

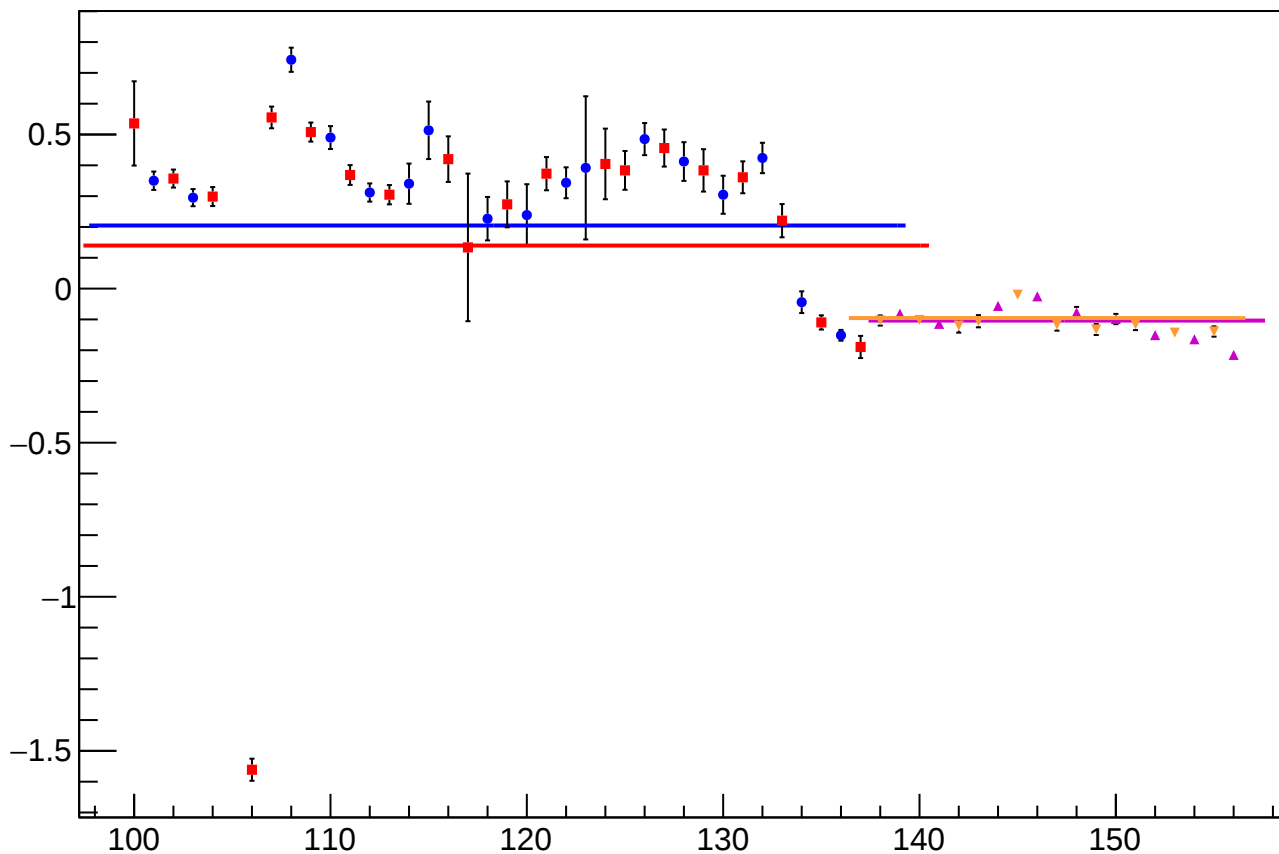
Right Out: 12.460 $\pm$ 0.174 χ^2 /NDF: 6976.5/19

Left In: 21.874 $\pm$ 0.103 χ^2 /NDF:558.2/8

20.212 $\pm$ 0.090 χ^2 /NDF: 9847.4/26

19.417 $\pm$ 0.089 χ^2 /NDF: 9709.1/28

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: -0.096 ± 0.005 χ^2/NDF : 81.0/9

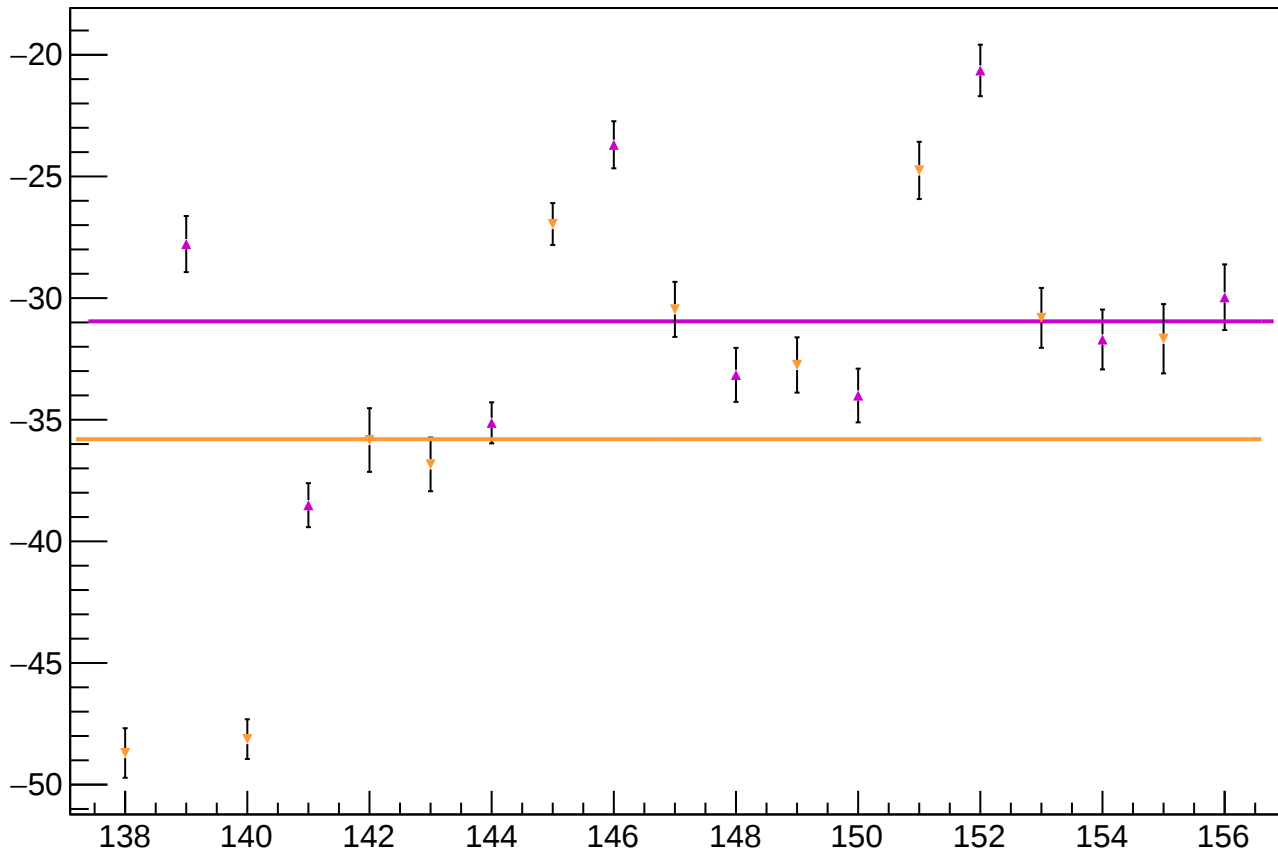
Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/19

Left In: -0.104 ± 0.005 χ^2/NDF : 135.4/8

-0.028 ± 0.004 χ^2/NDF : 1720.9/26

-0.049 ± 0.004 χ^2/NDF : 3690.5/28

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: -35.800+/-0.340 χ^2/NDF : 637.1/9

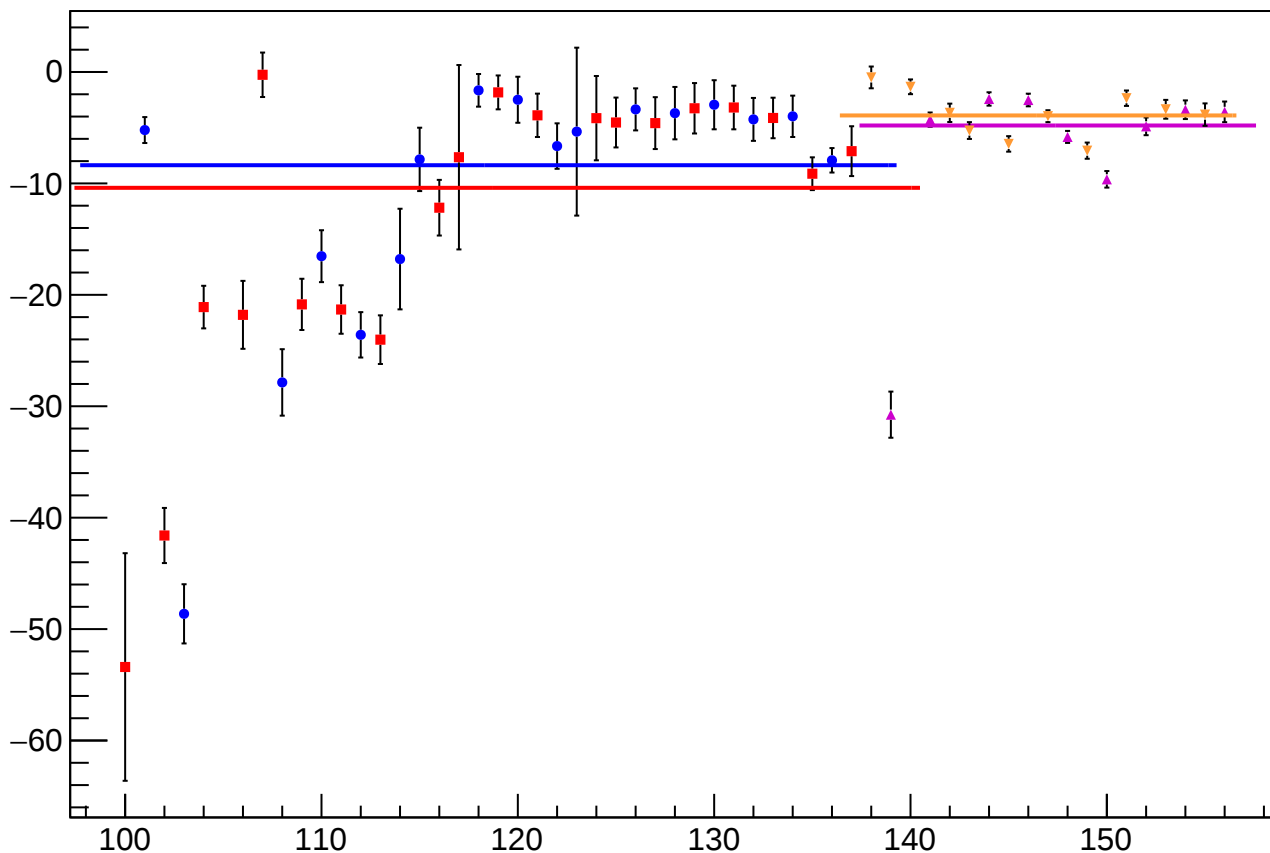
-35.800+/-0.340 χ^2/NDF : 637.1/9

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

-30.956+/-0.350 χ^2/NDF : 265.5/8

Left In: -30.956+/-0.350 χ^2/NDF : 265.5/8

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367 $\pm$ 0.466 χ^2/NDF : 408.8/16

Left Out: -3.900 $\pm$ 0.233 χ^2/NDF : 68.5/9

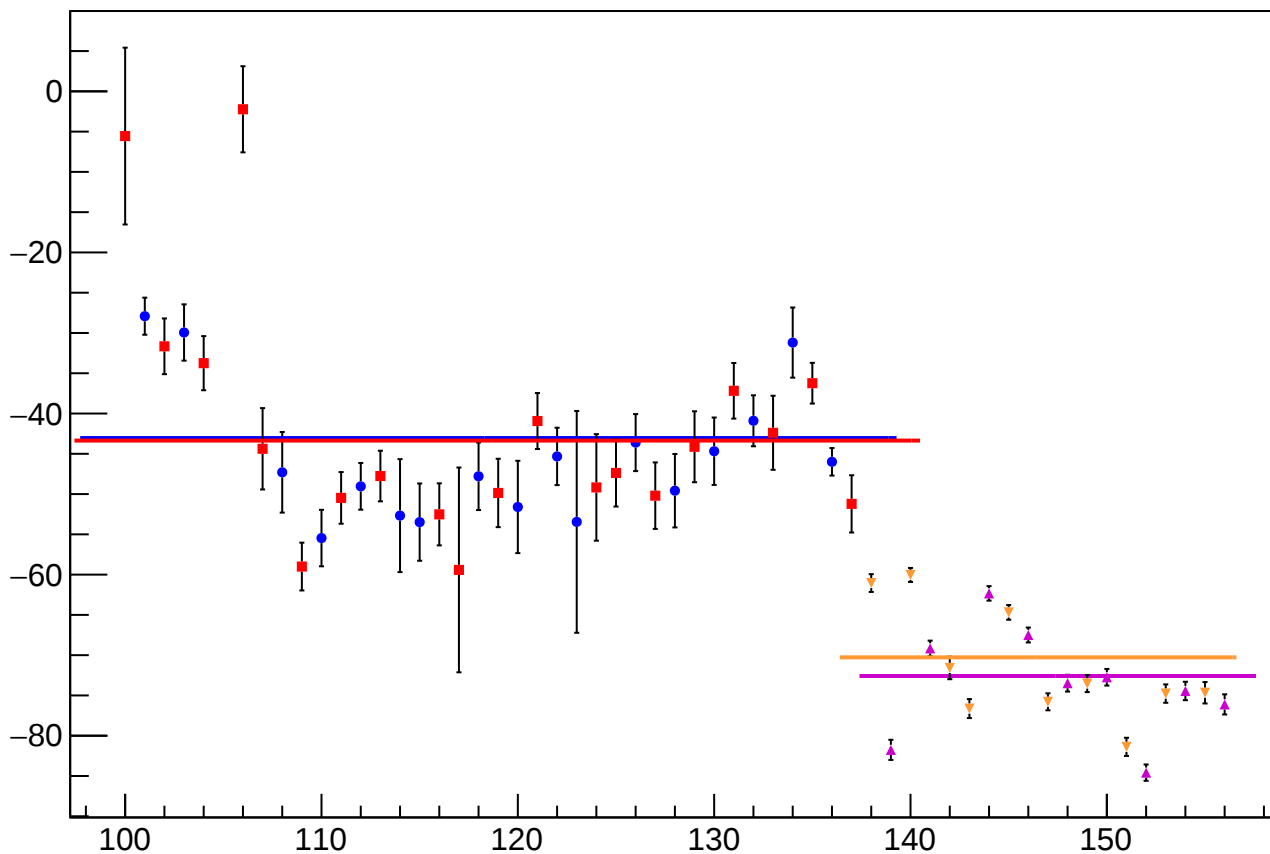
Right Out: -10.396 $\pm$ 0.490 χ^2/NDF : 430.4/19

Left In: -4.802 $\pm$ 0.236 χ^2/NDF : 240.1/8

-4.791 $\pm$ 0.208 χ^2/NDF : 550.8/26

-5.854 $\pm$ 0.213 χ^2/NDF : 776.3/28

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$

Left Out: -70.270 ± 0.344 $\chi^2/\text{NDF}: 435.9/9$

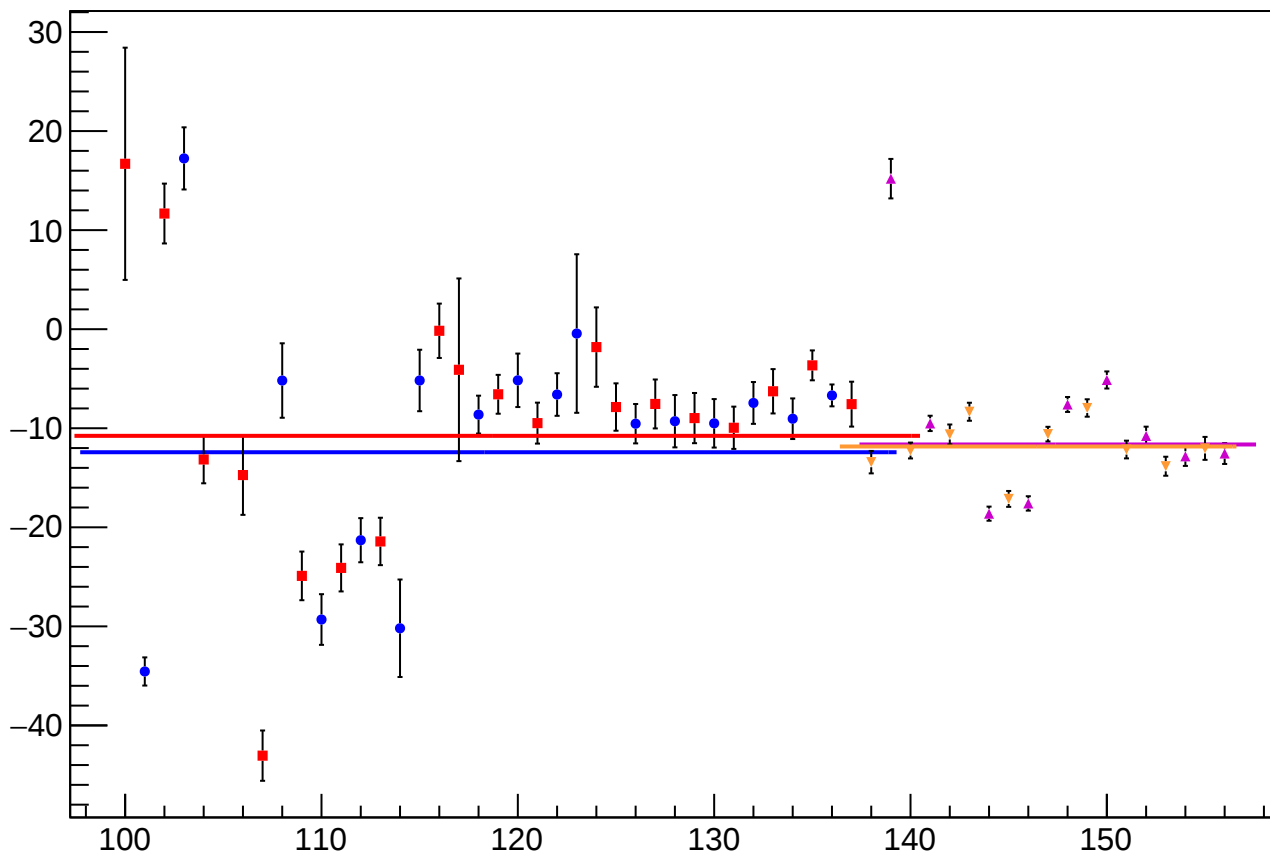
Right Out: -43.357 ± 0.865 $\chi^2/\text{NDF}: 156.0/19$

Left In: -72.584 ± 0.346 $\chi^2/\text{NDF}: 377.6/8$

-66.346 ± 0.318 $\chi^2/\text{NDF}: 1439.6/26$

-68.555 ± 0.321 $\chi^2/\text{NDF}: 1517.4/28$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.421 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -11.841 ± 0.285 χ^2/NDF : 88.9/9

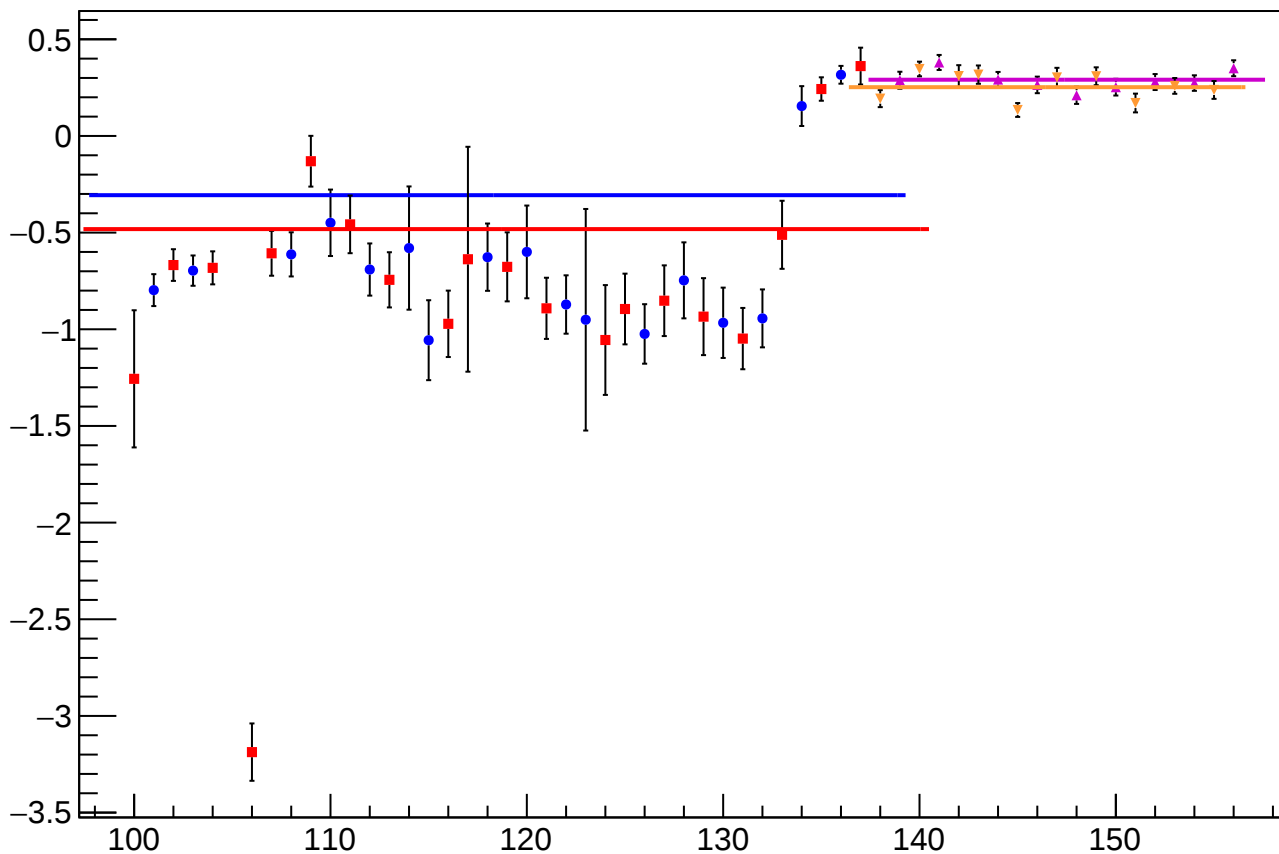
Right Out: -10.766 ± 0.553 χ^2/NDF : 366.3/19

Left In: -11.639 ± 0.289 χ^2/NDF : 440.5/8

-11.974 ± 0.250 χ^2/NDF : 564.2/26

-11.452 ± 0.256 χ^2/NDF : 808.8/28

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: 0.252 ± 0.014 χ^2/NDF : 27.2/9

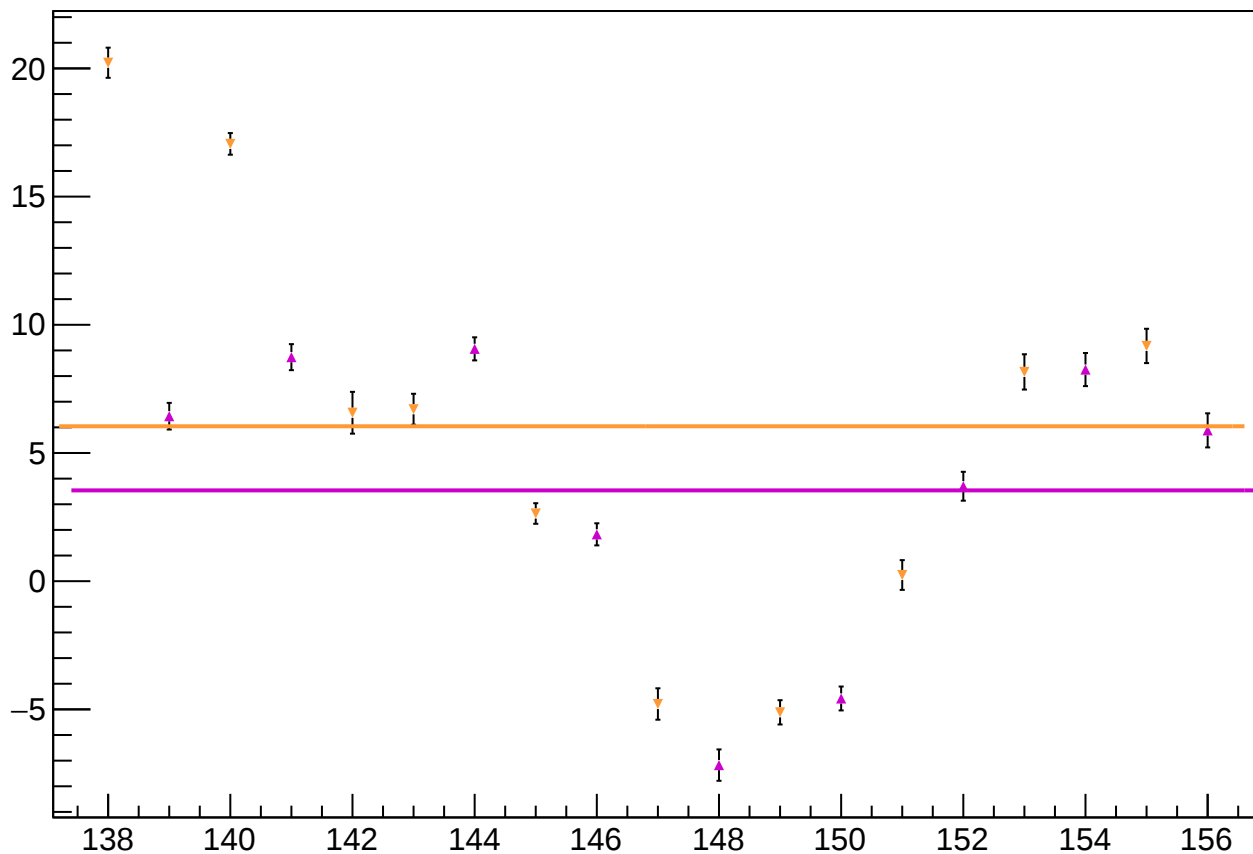
Right Out: -0.482 ± 0.029 χ^2/NDF : 628.3/19

Left In: 0.291 ± 0.014 χ^2/NDF : 12.0/8

0.138 ± 0.012 χ^2/NDF : 725.5/26

0.144 ± 0.012 χ^2/NDF : 1232.7/28

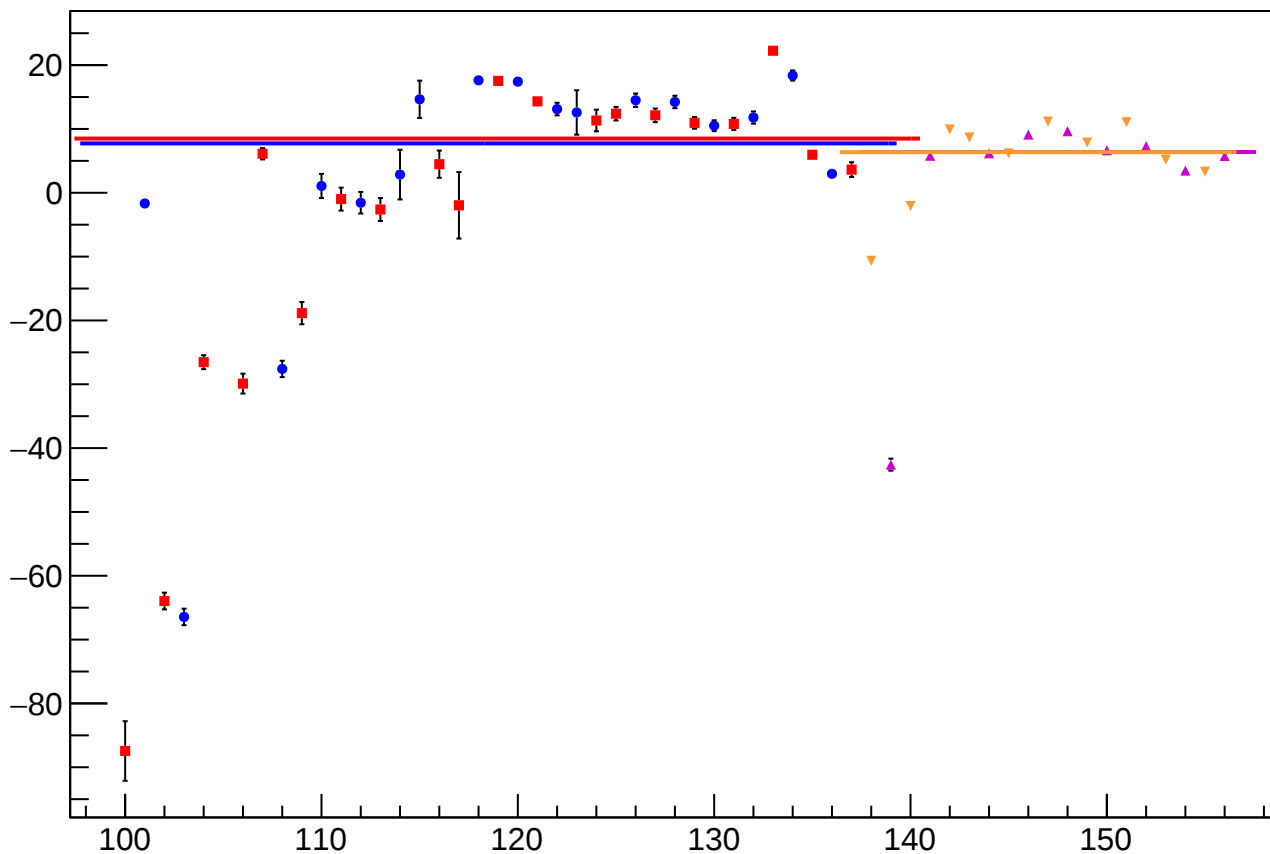
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left Out: 6.042 $\pm$ 0.173 χ^2 /NDF:2335.4/9
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left In: 3.541 $\pm$ 0.174 χ^2 /NDF:977.7/8

6.042 $\pm$ 0.173 χ^2 /NDF: 2335.4/9
3.541 $\pm$ 0.174 χ^2 /NDF: 977.7/8

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 $\pm$ 0.218 χ^2 /NDF: 5300.6/16

Left Out: 6.368 $\pm$ 0.120 χ^2 /NDF: 1996.8/9

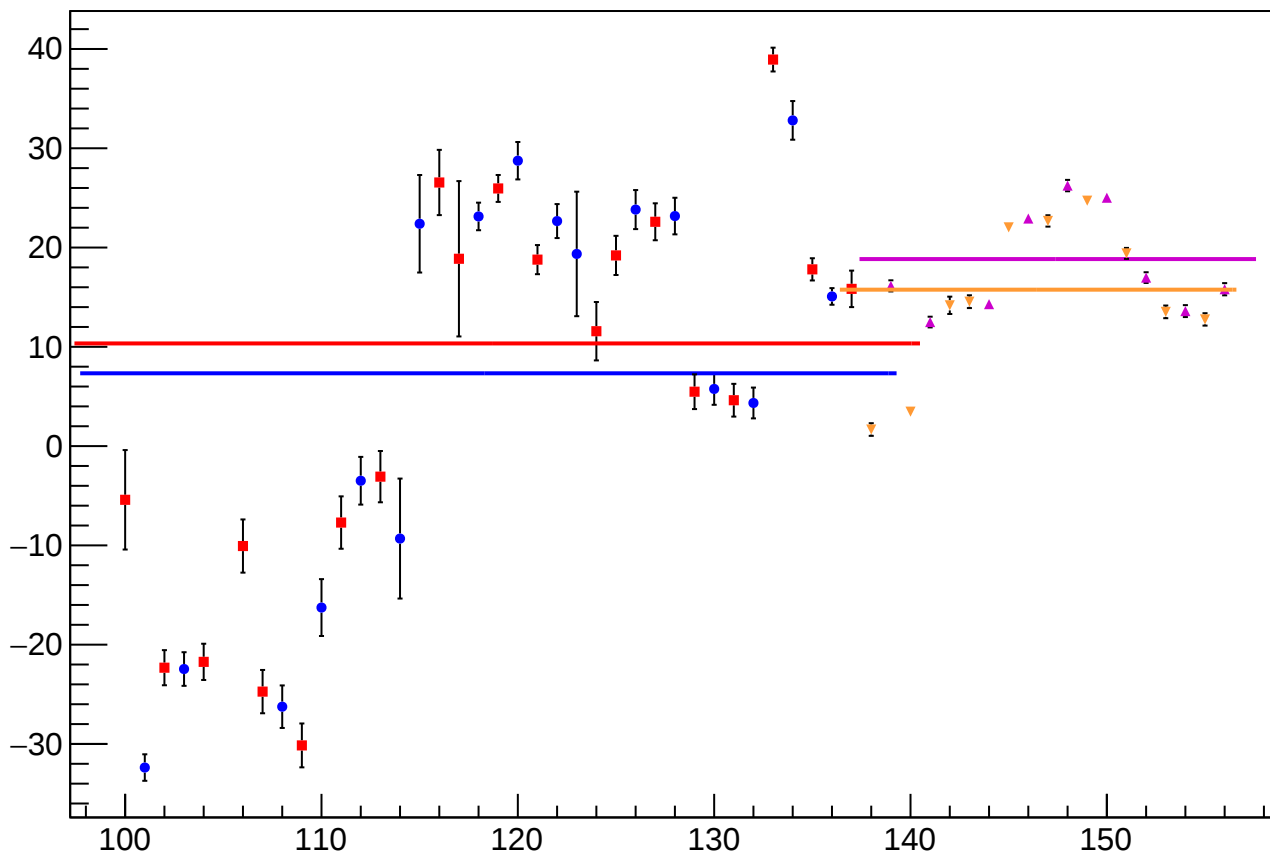
Right Out: 8.496 $\pm$ 0.213 χ^2 /NDF: 6723.5/19

Left In: 6.388 $\pm$ 0.122 χ^2 /NDF: 2954.4/8

6.687 $\pm$ 0.105 χ^2 /NDF: 7327.7/26

6.906 $\pm$ 0.106 χ^2 /NDF: 9751.7/28

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: 15.757 ± 0.174 χ^2/NDF : 2095.3/9

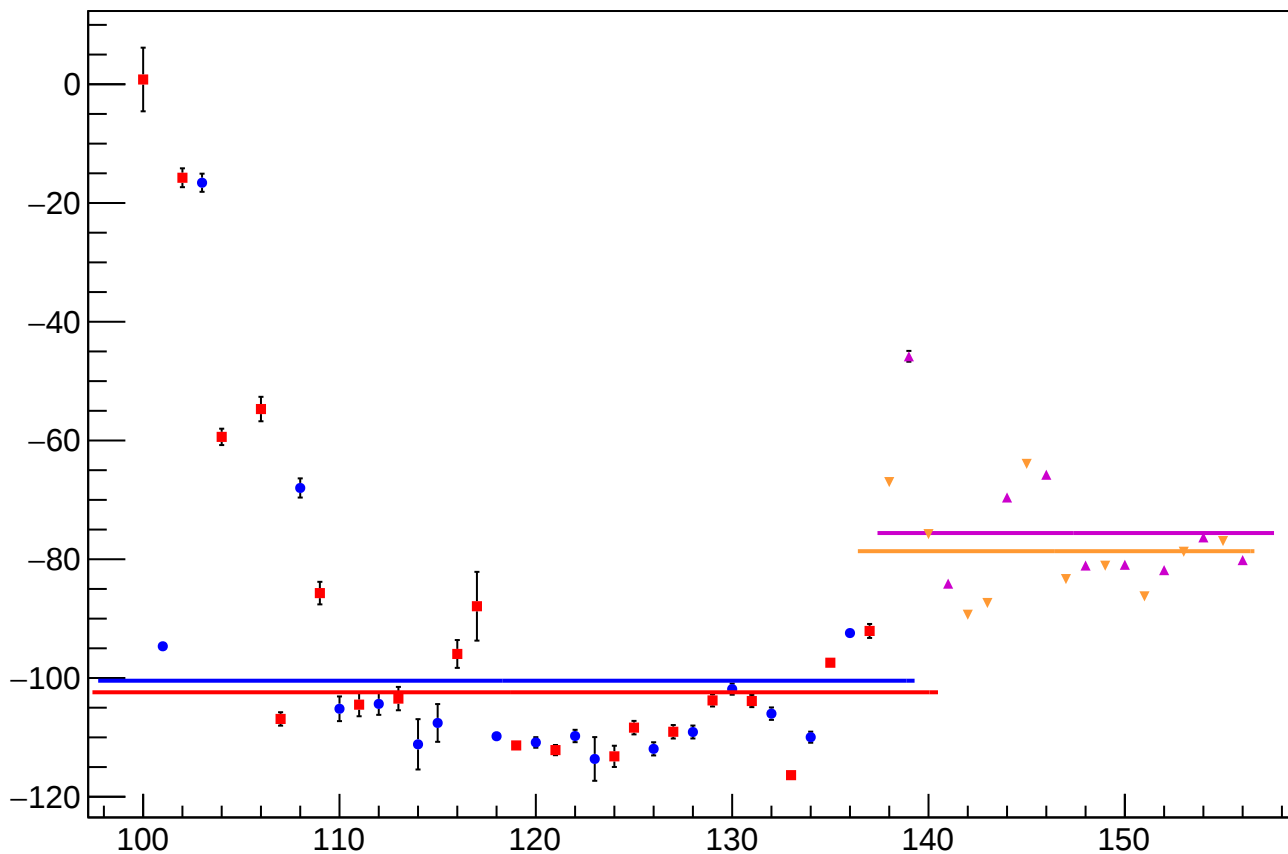
Right Out: 10.342 ± 0.416 χ^2/NDF : 2282.7/19

Left In: 18.840 ± 0.172 χ^2/NDF : 826.9/8

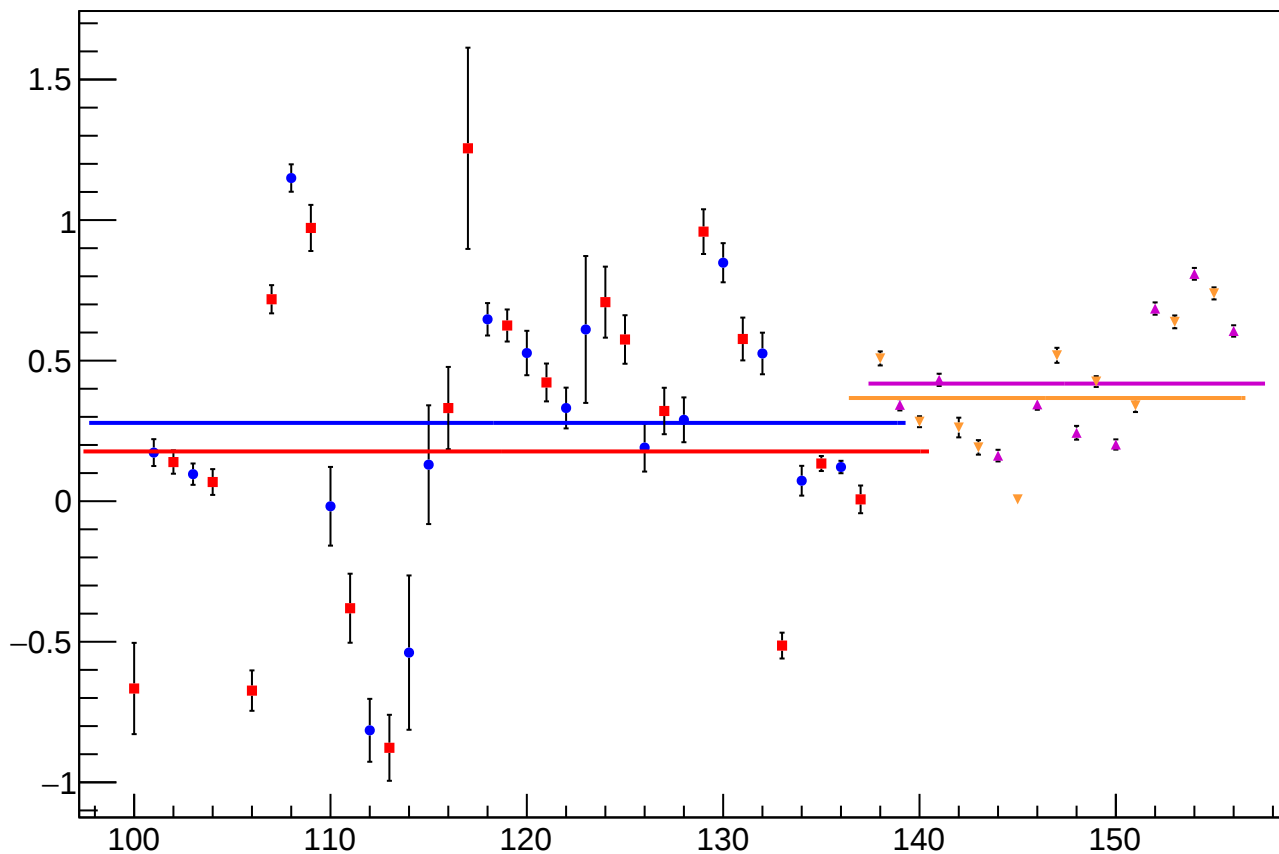
14.518 ± 0.161 χ^2/NDF : 4733.8/26

17.603 ± 0.159 χ^2/NDF : 3465.7/28

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



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: 0.367+/-0.007 χ^2/NDF : 1055.8/9

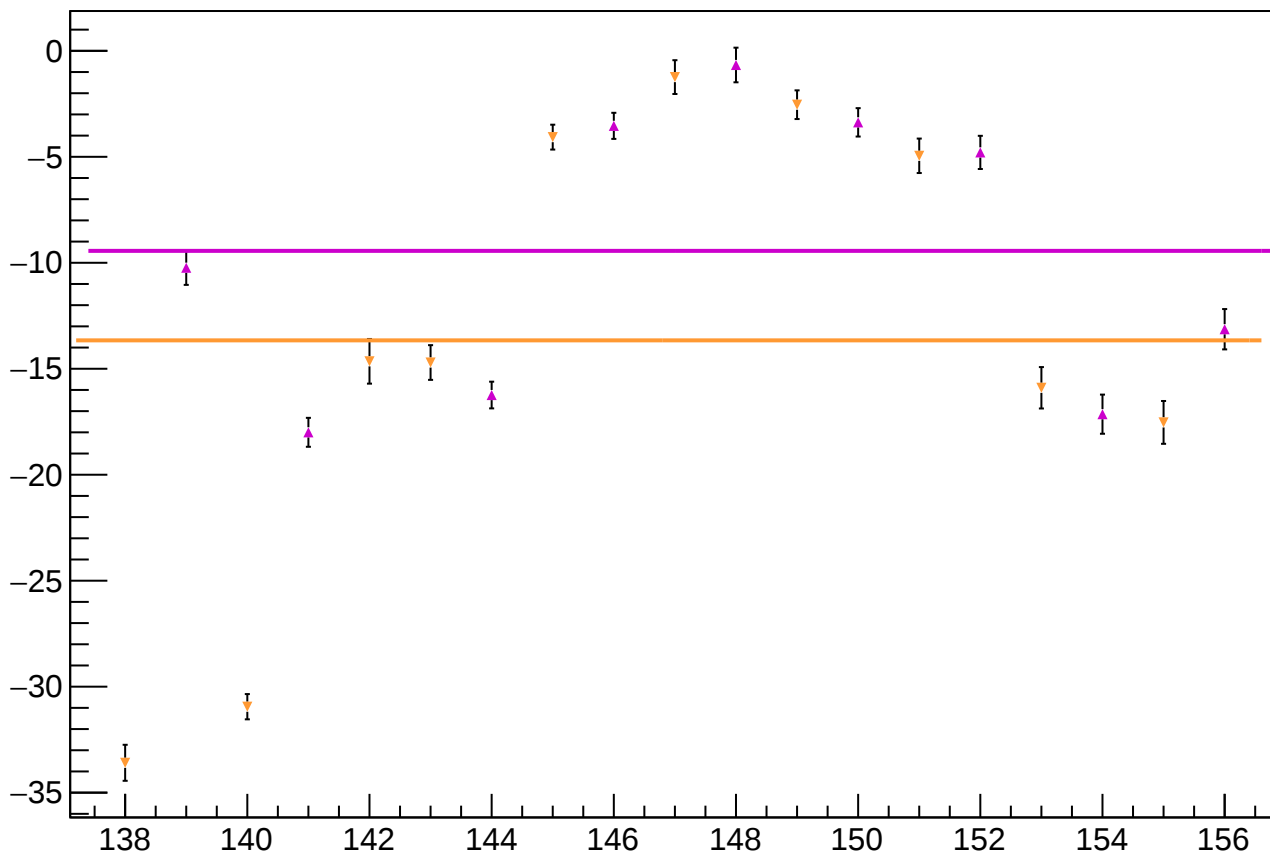
Right Out: 0.177+/-0.013 χ^2/NDF : 976.8/19

Left In: 0.418+/-0.007 χ^2/NDF : 951.3/8

0.348+/-0.006 χ^2/NDF : 1743.4/26

0.368+/-0.006 χ^2/NDF : 2182.4/28

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -13.660+/-0.244 χ^2/NDF : 2308.8/9

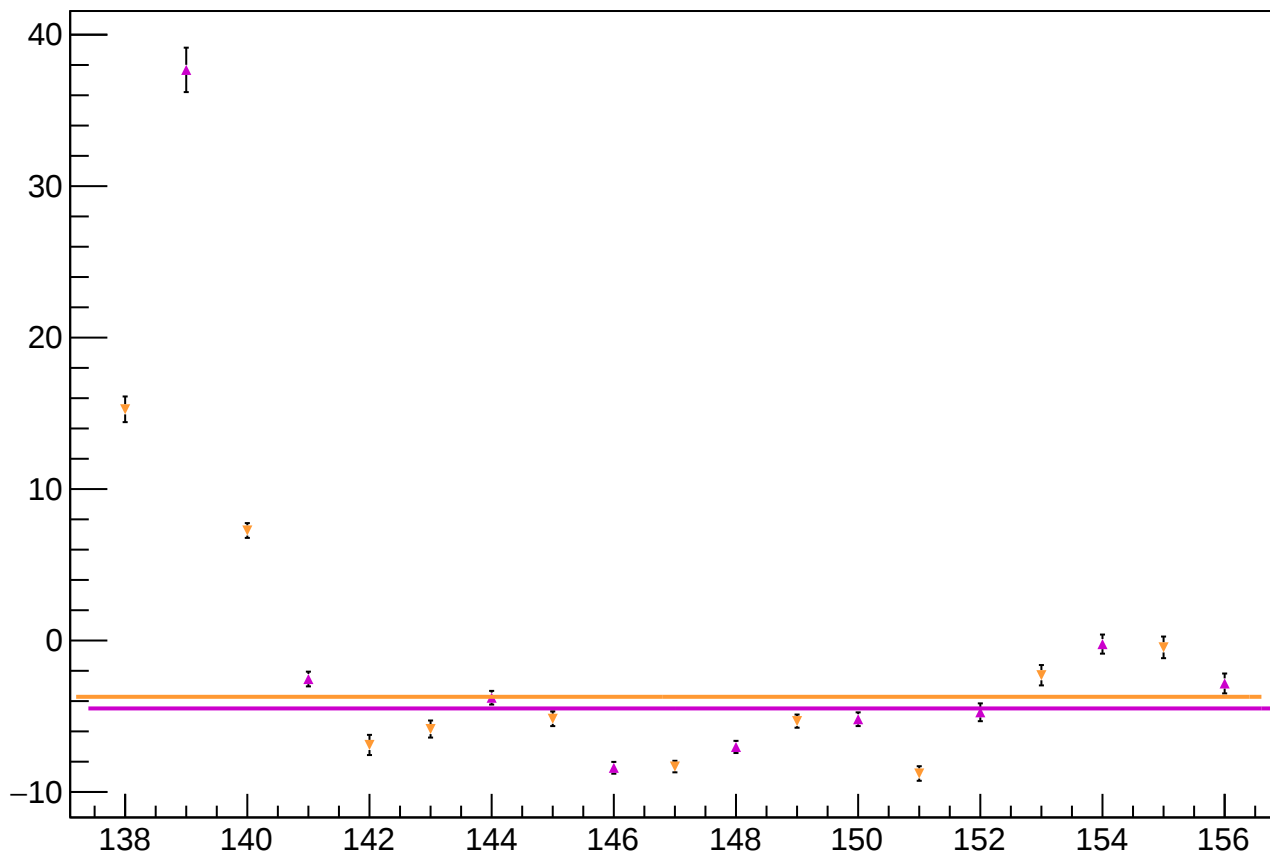
-13.660+/-0.244 χ^2/NDF : 2308.8/9

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

-9.438+/-0.246 χ^2/NDF : 683.6/8

Left In: -9.438+/-0.246 χ^2/NDF : 683.6/8

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -3.716+/-0.167 χ^2/NDF : 1348.2/9

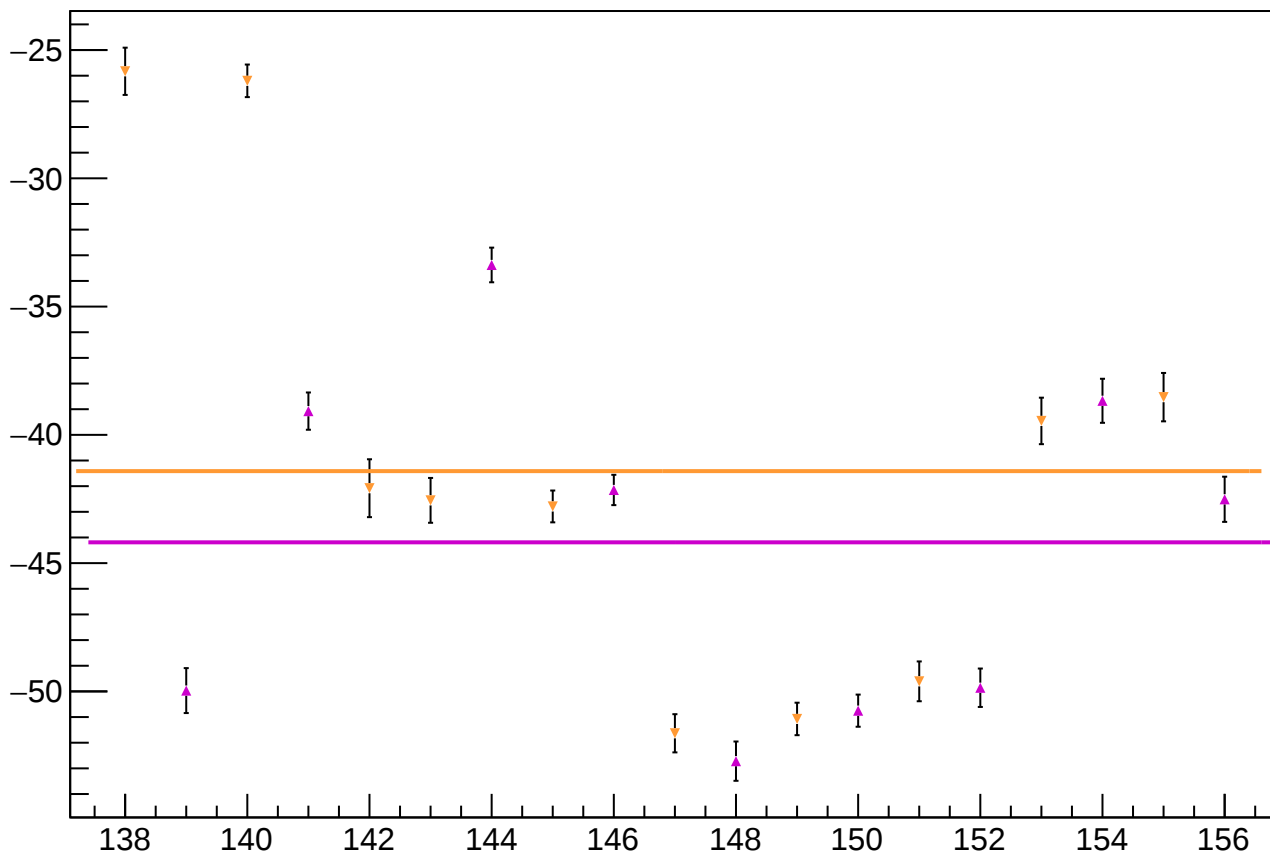
-3.716+/-0.167 χ^2/NDF : 1348.2/9

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

Left In: -4.485+/-0.169 χ^2/NDF : 1040.5/8

-4.485+/-0.169 χ^2/NDF : 1040.5/8

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -41.414+/-0.245 χ^2/NDF : 1414.4/9

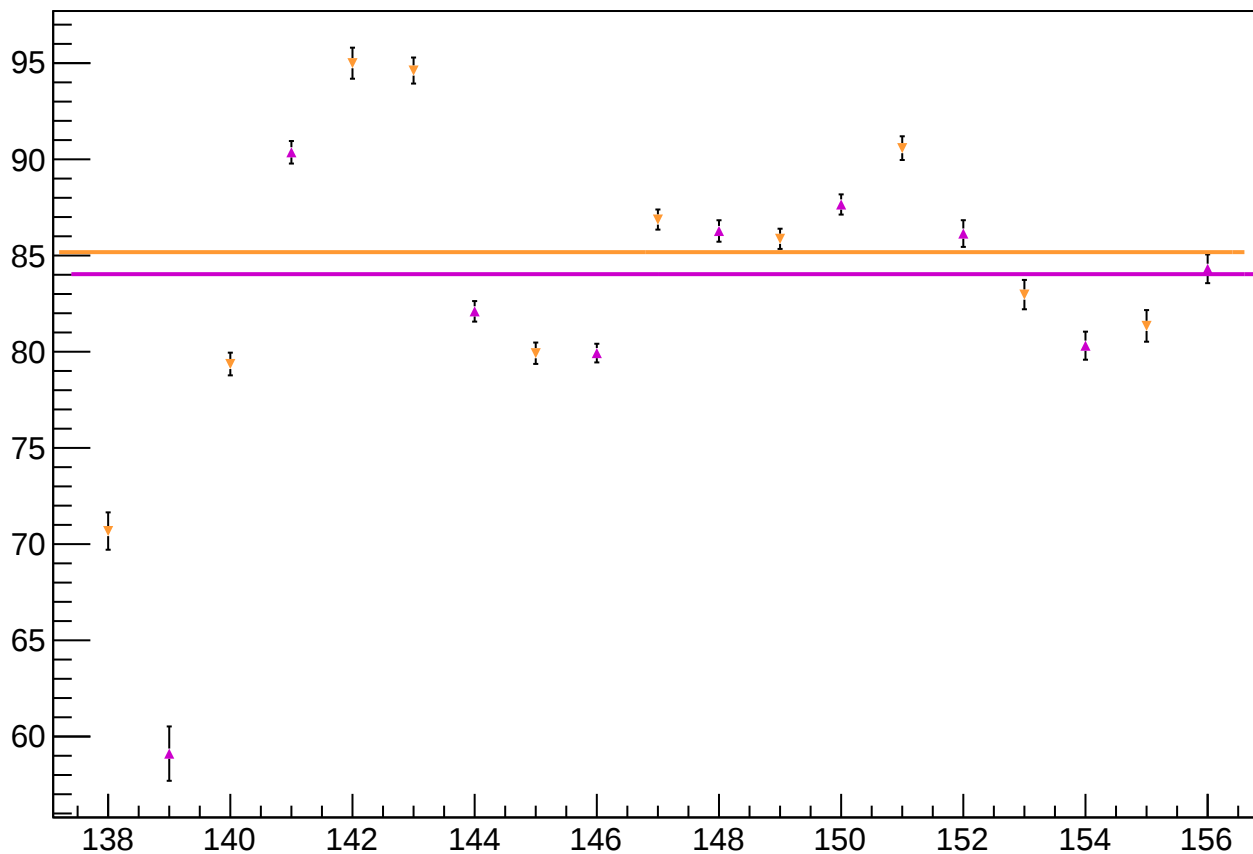
-41.414+/-0.245 χ^2/NDF : 1414.4/9

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

Left In: -44.189+/-0.243 χ^2/NDF : 697.4/8

-44.189+/-0.243 χ^2/NDF : 697.4/8

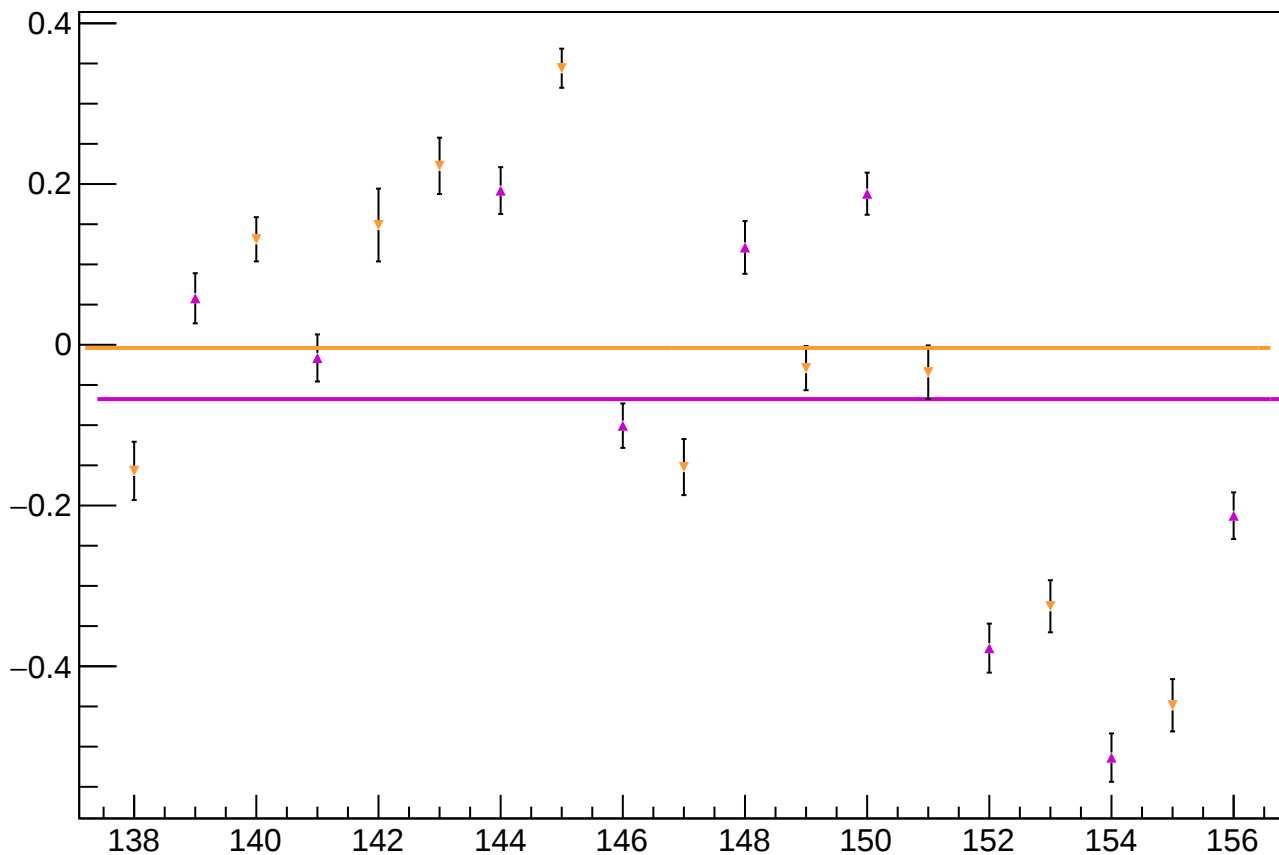
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 85.176+/-0.204 χ^2/NDF : 871.3/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 84.032+/-0.205 χ^2/NDF : 612.0/8

85.176+/-0.204 χ^2/NDF : 871.3/9
 84.032+/-0.205 χ^2/NDF : 612.0/8

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



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

Left Out: -0.004 $\pm$ 0.010 χ^2 /NDF: 604.3/9

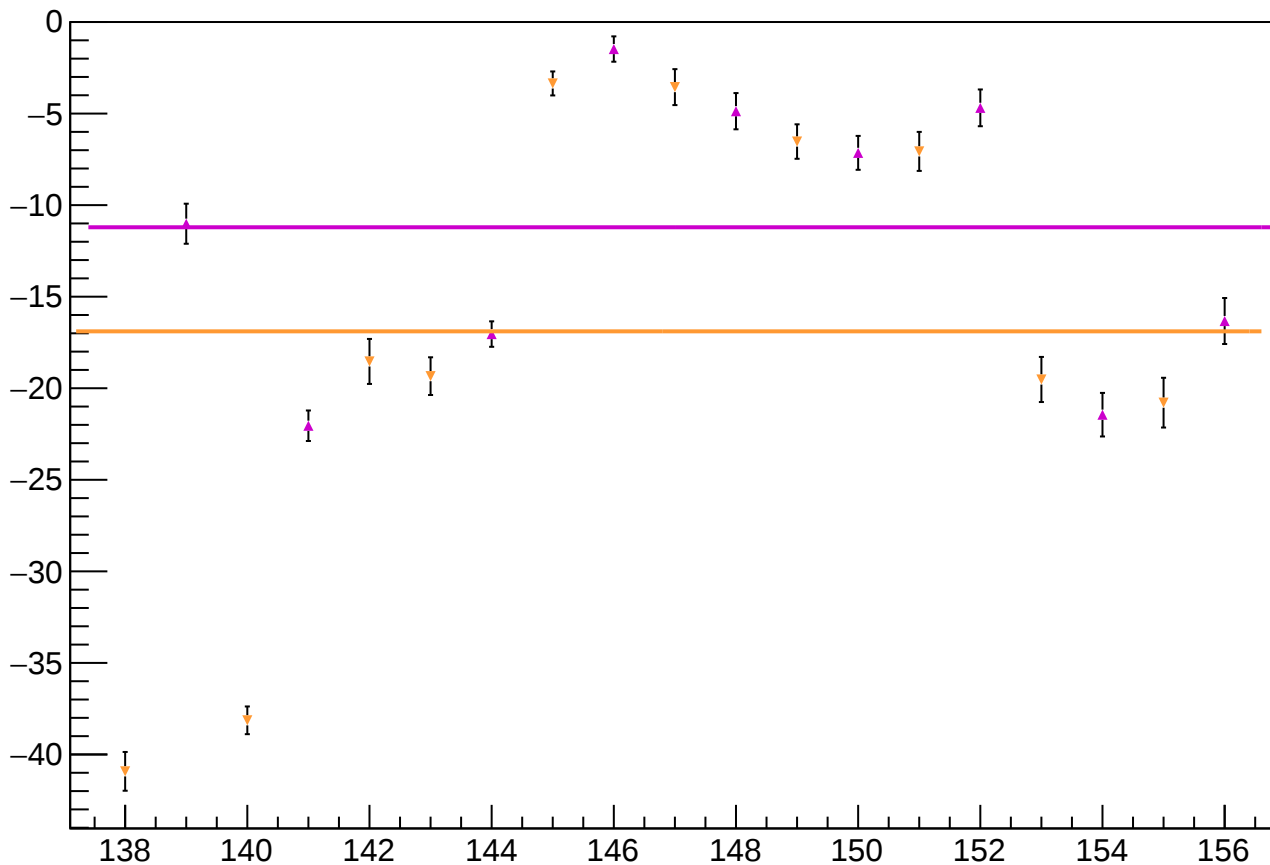
-0.004 $\pm$ 0.010 χ^2 /NDF: 604.3/9

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

-0.068 $\pm$ 0.010 χ^2 /NDF: 576.3/8

Left In: -0.068 $\pm$ 0.010 χ^2 /NDF: 576.3/8

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



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

Left Out: -16.893 $\pm$ 0.304 χ^2 /NDF: 2141.5/9

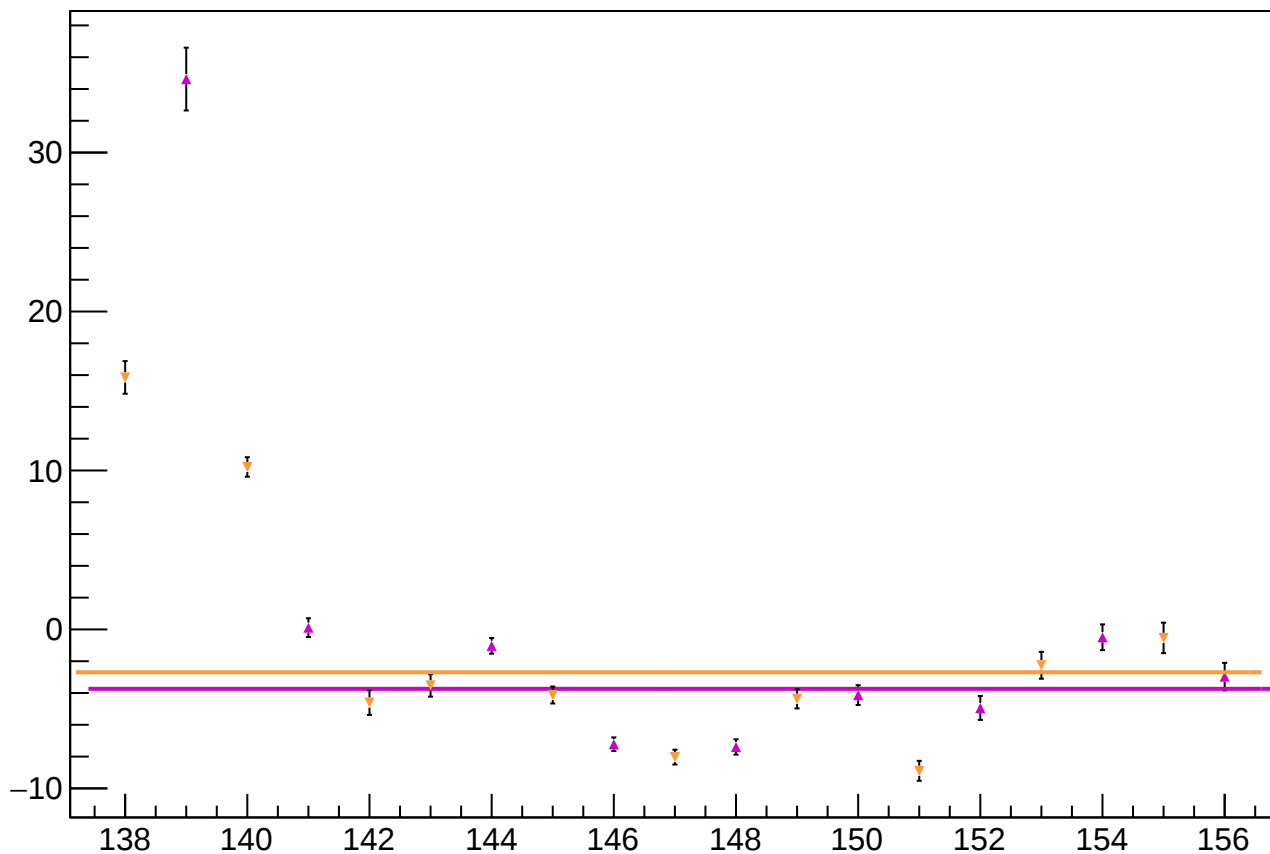
-16.893 $\pm$ 0.304 χ^2 /NDF: 2141.5/9

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

-11.209 $\pm$ 0.302 χ^2 /NDF: 630.5/8

Left In: -11.209 $\pm$ 0.302 χ^2 /NDF: 630.5/8

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -2.695+/-0.208 χ^2/NDF : 1024.0/9

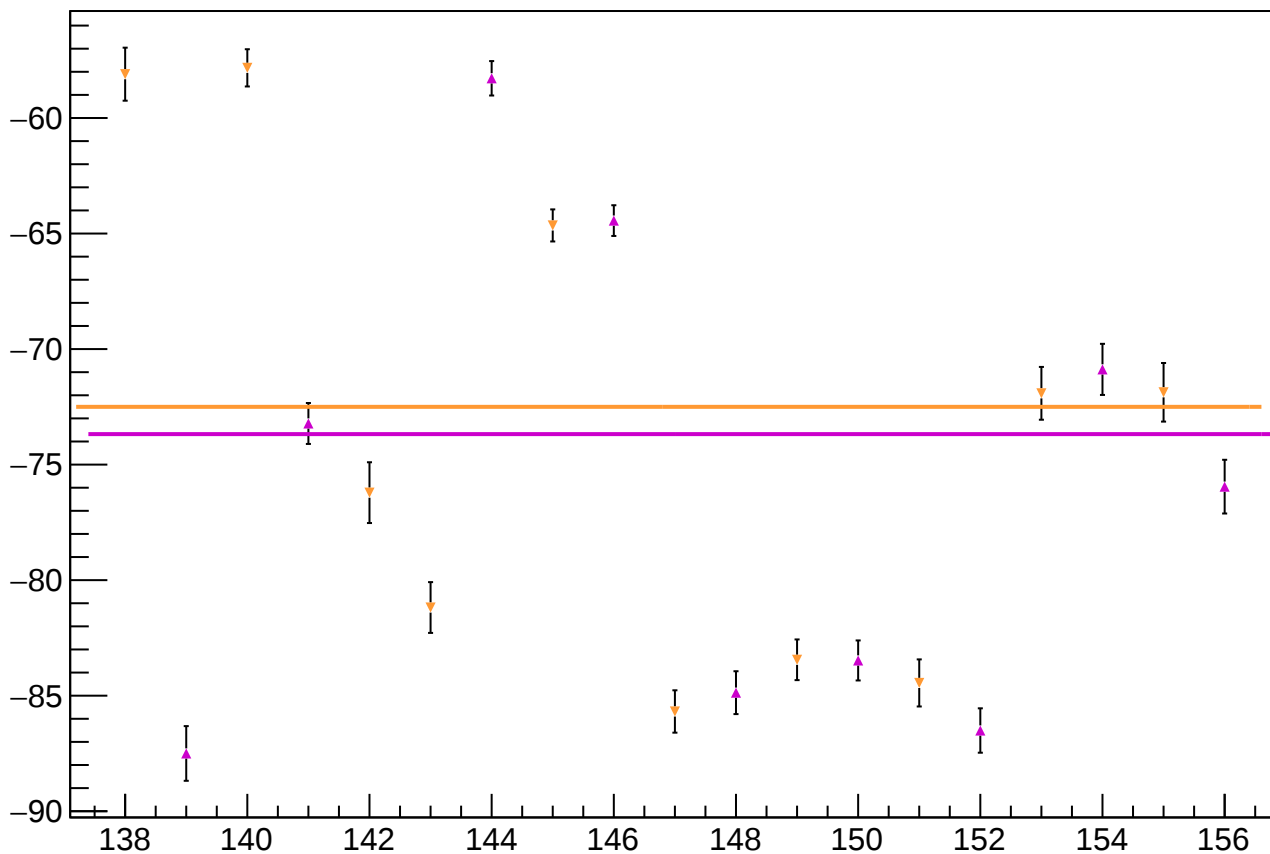
-2.695+/-0.208 χ^2/NDF : 1024.0/9

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

Left In: -3.735+/-0.204 χ^2/NDF : 592.5/8

-3.735+/-0.204 χ^2/NDF : 592.5/8

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -72.500+/-0.307 χ^2/NDF :1186.6/9

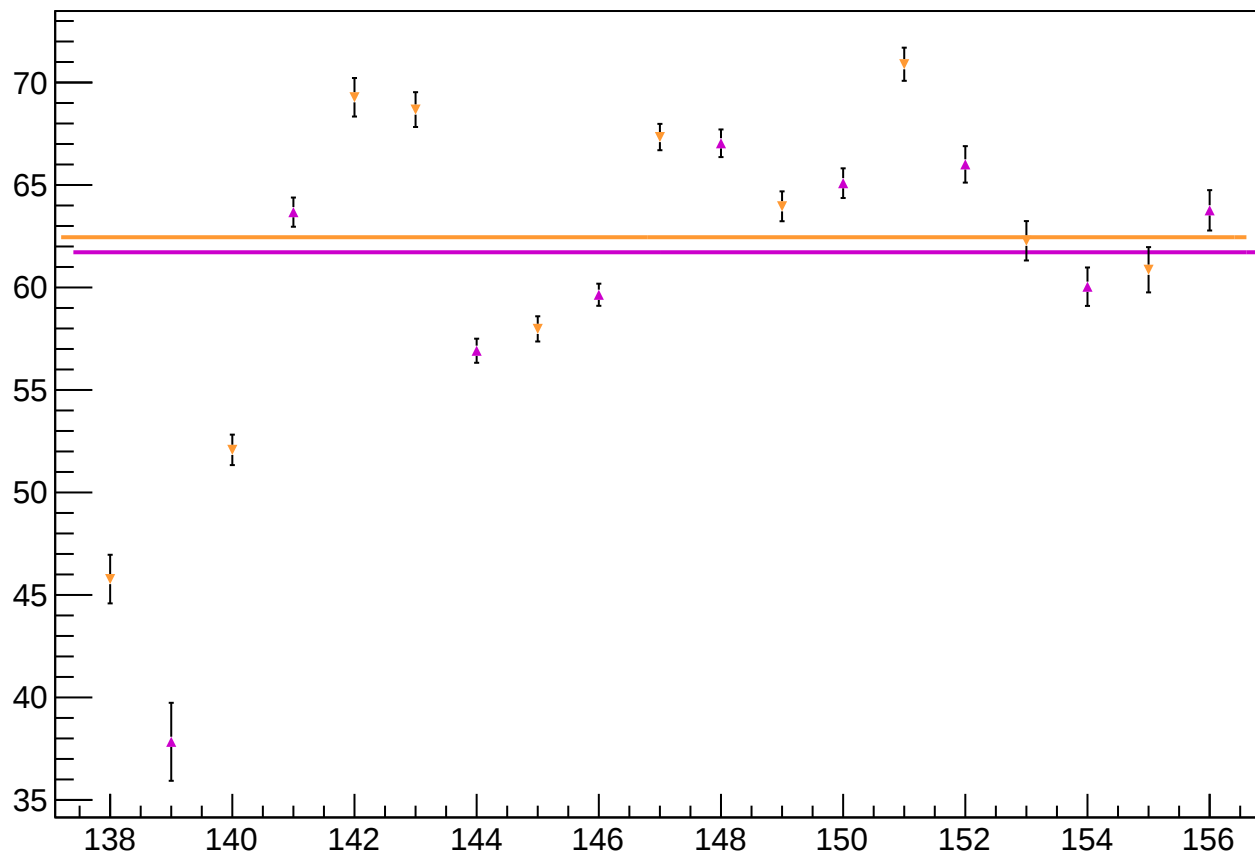
-72.500+/-0.307 χ^2/NDF : 1186.6/9

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

Left In: -73.680+/-0.299 χ^2/NDF :1219.1/8

-73.680+/-0.299 χ^2/NDF : 1219.1/8

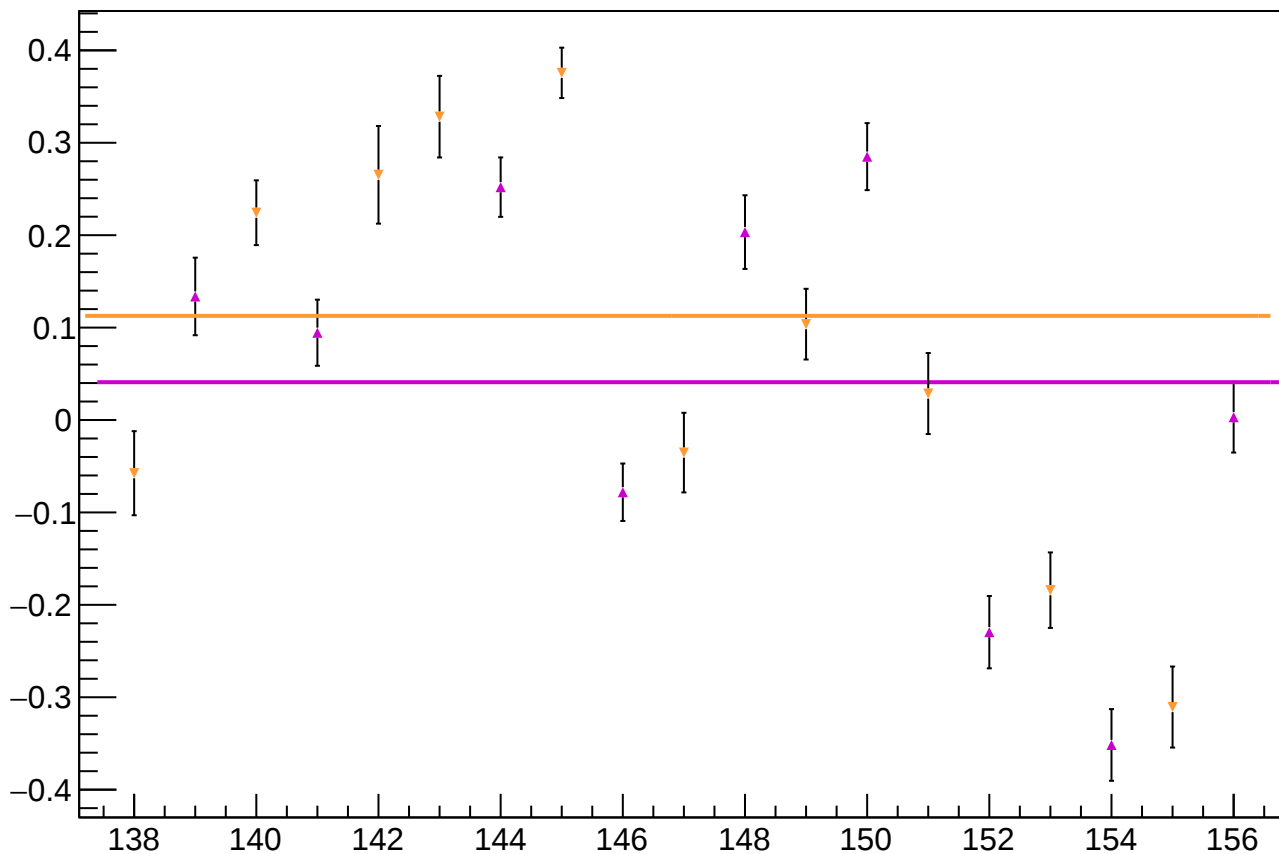
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 62.452+/-0.255 χ^2/NDF : 725.4/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 61.718+/-0.249 χ^2/NDF : 361.3/8

62.452+/-0.255 χ^2/NDF : 725.4/9
 61.718+/-0.249 χ^2/NDF : 361.3/8

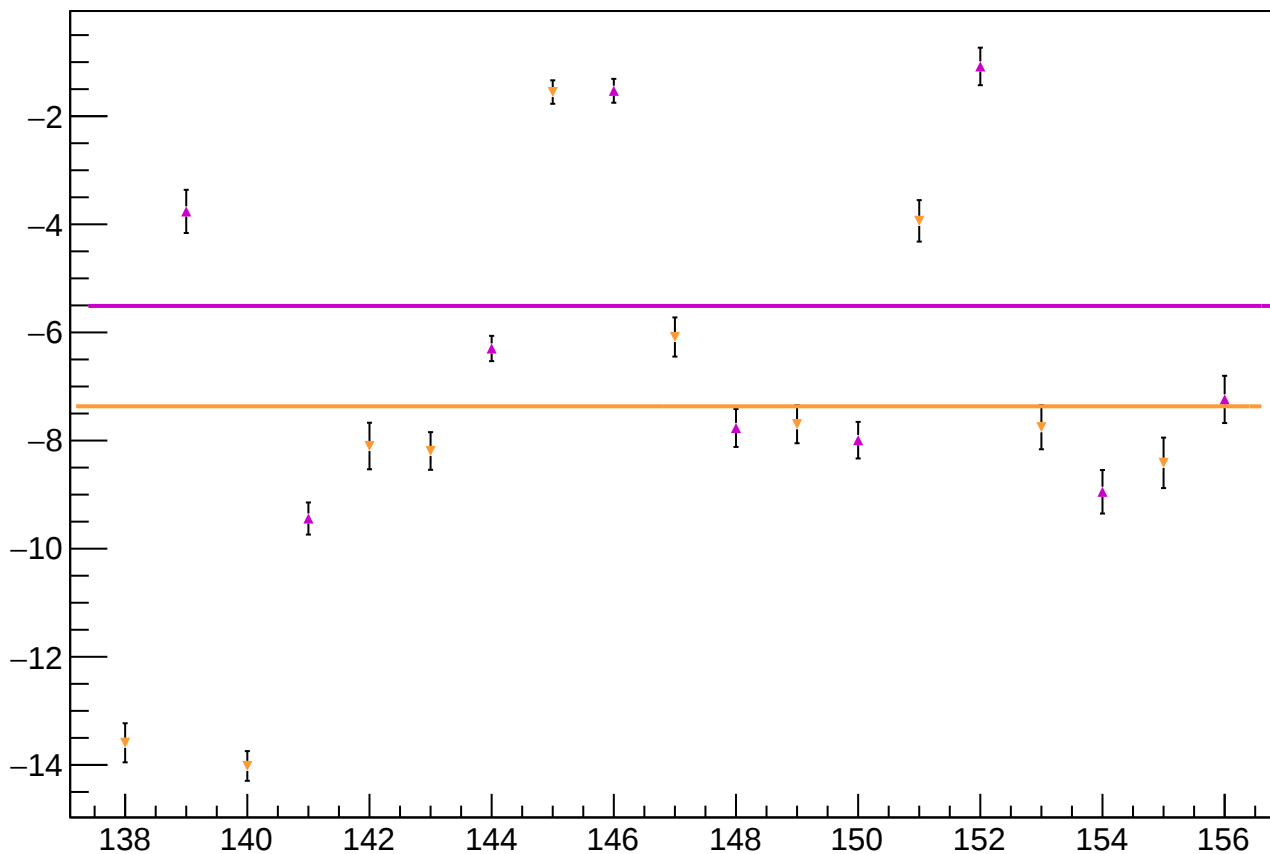
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.113 $\pm$ 0.013 χ^2 /NDF:311.0/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.041 $\pm$ 0.012 χ^2 /NDF:278.0/8

0.113 $\pm$ 0.013 χ^2 /NDF: 311.0/9
 0.041 $\pm$ 0.012 χ^2 /NDF: 278.0/8

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



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

Left Out: -7.366+/-0.106 χ^2/NDF : 1708.5/9

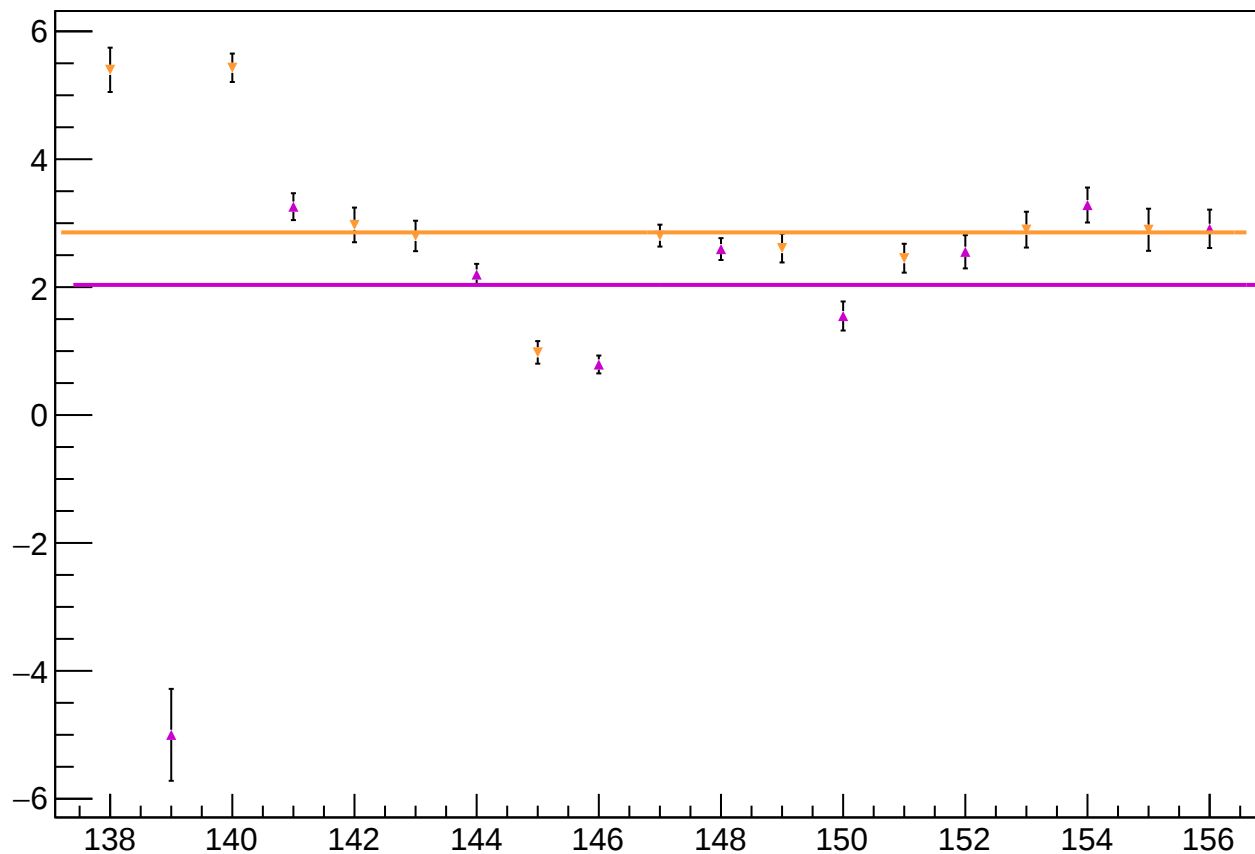
-7.366+/-0.106 χ^2/NDF : 1708.5/9

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

Left In: -5.510+/-0.104 χ^2/NDF : 877.4/8

-5.510+/-0.104 χ^2/NDF : 877.4/8

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug

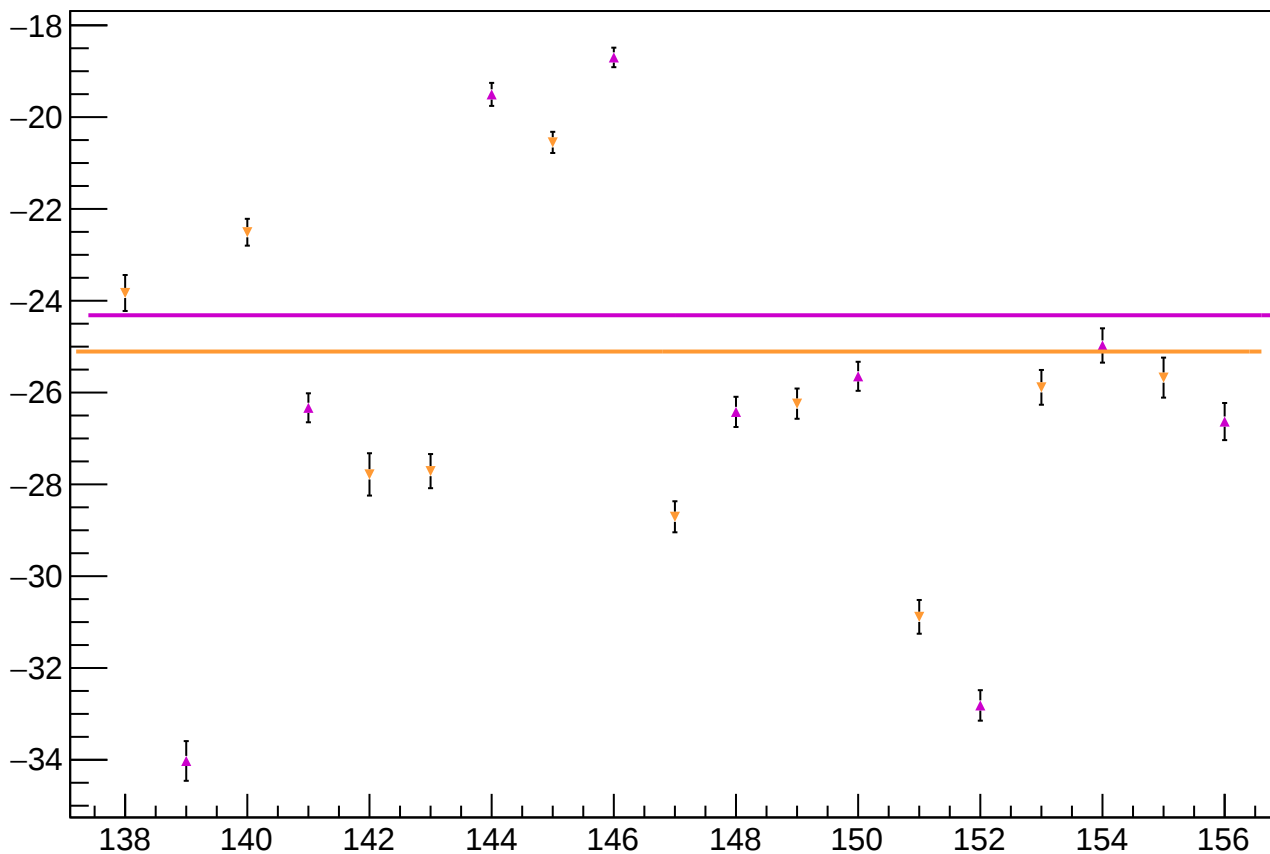


Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.856 $\pm$ 0.073 χ^2 /NDF:305.9/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.035 $\pm$ 0.070 χ^2 /NDF:258.9/8

2.856 $\pm$ 0.073 χ^2 /NDF: 305.9/9

2.035 $\pm$ 0.070 χ^2 /NDF: 258.9/8

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -25.106+/-0.107 χ^2/NDF : 941.8/9

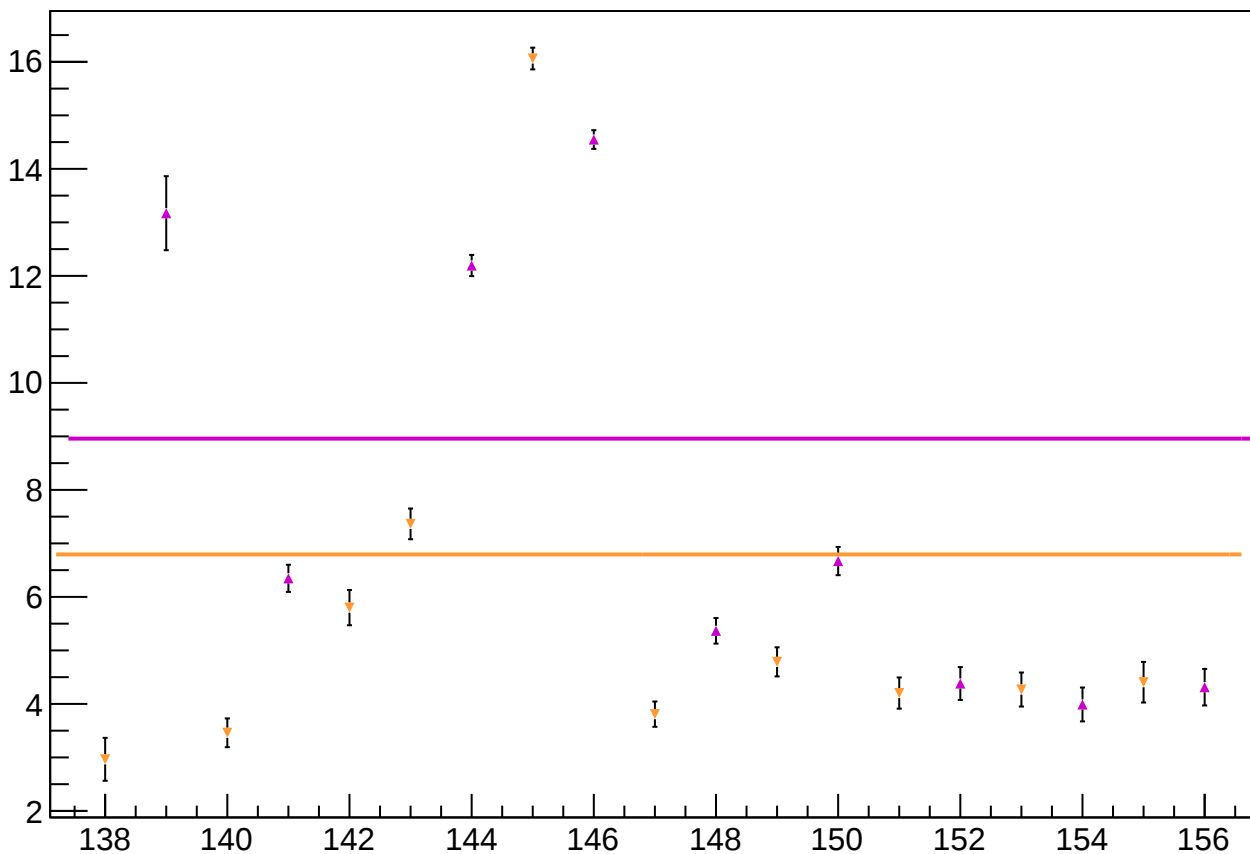
-25.106+/-0.107 χ^2/NDF : 941.8/9

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

Left In: -24.316+/-0.103 χ^2/NDF : 2360.7/8

-24.316+/-0.103 χ^2/NDF : 2360.7/8

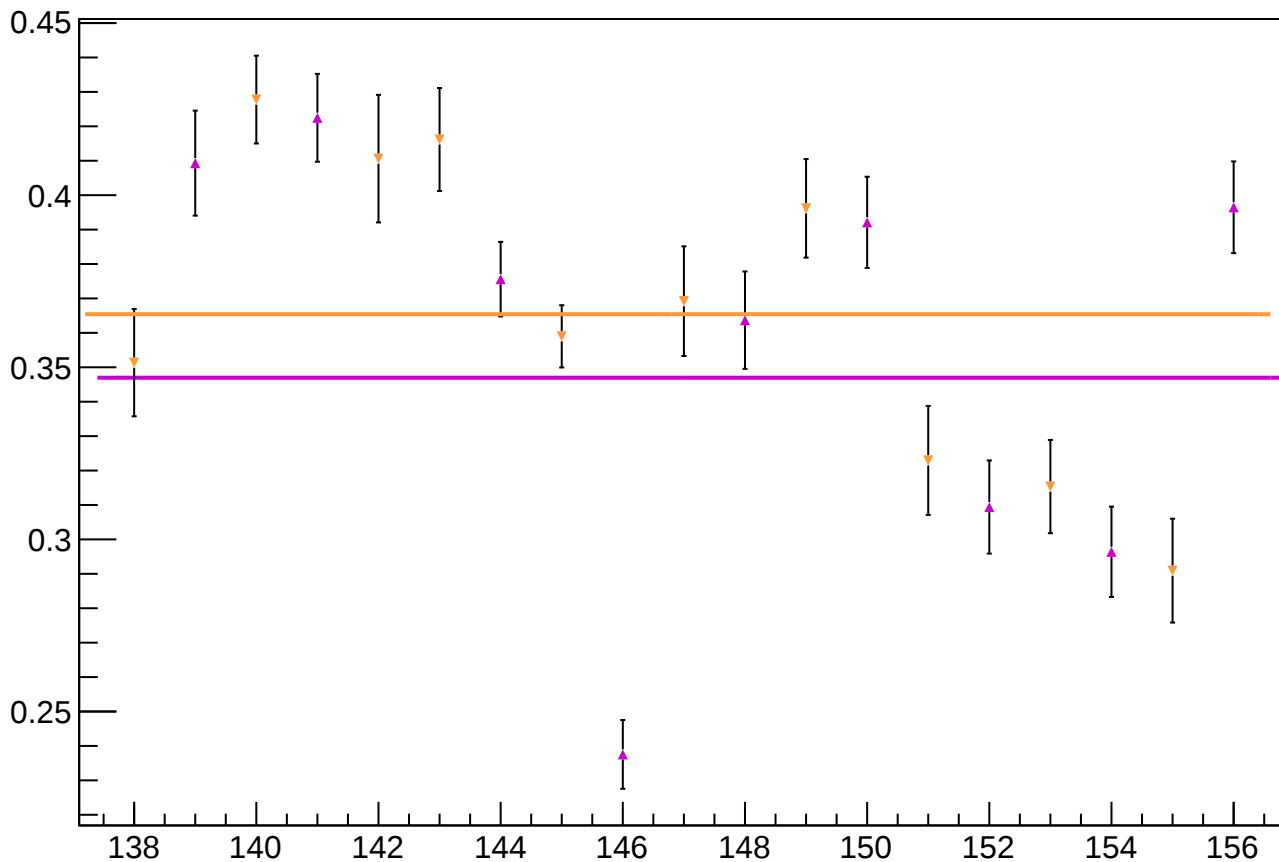
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 6.794+/-0.089 χ^2/NDF : 2732.8/9
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 8.958+/-0.085 χ^2/NDF : 2385.5/8

6.794+/-0.089 χ^2/NDF : 2732.8/9
8.958+/-0.085 χ^2/NDF : 2385.5/8

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.365 $\pm$ 0.004 χ^2 /NDF:92.6/9

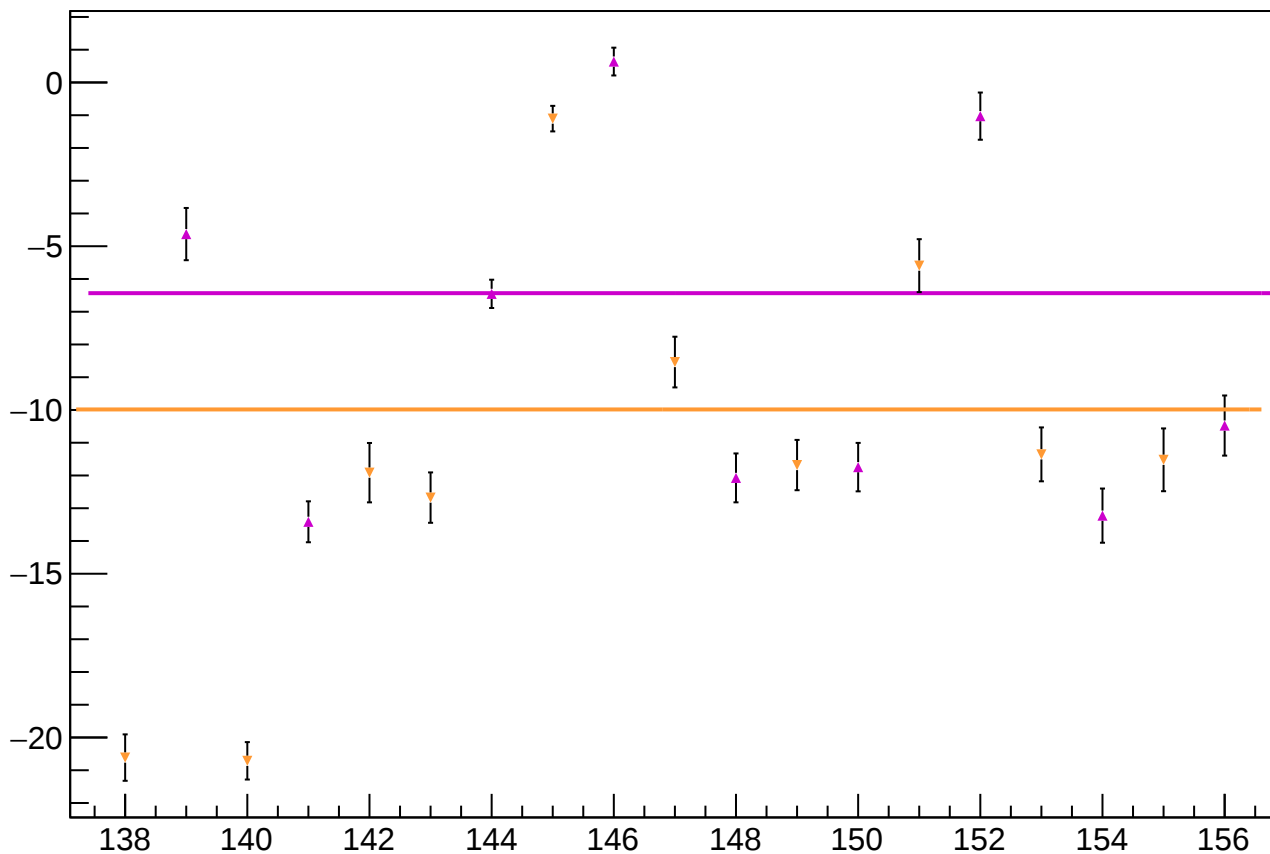
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.347 $\pm$ 0.004 χ^2 /NDF:228.1/8

0.365 $\pm$ 0.004 χ^2 /NDF: 92.6/9

0.347 $\pm$ 0.004 χ^2 /NDF: 228.1/8

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: -9.984 $\pm$ 0.213 χ^2 /NDF: 1155.8/9

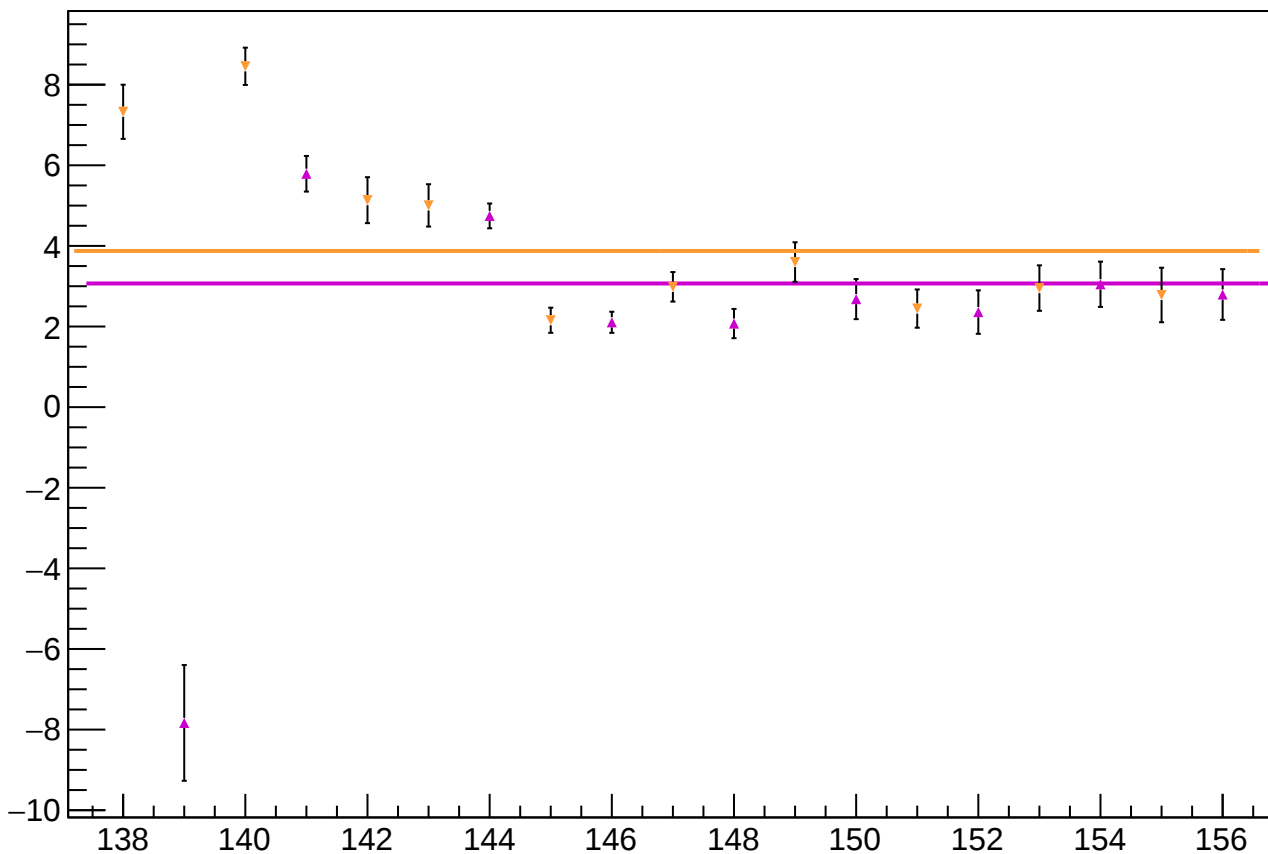
-9.984 $\pm$ 0.213 χ^2 /NDF: 1155.8/9

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

Left In: -6.433 $\pm$ 0.207 χ^2 /NDF: 659.4/8

-6.433 $\pm$ 0.207 χ^2 /NDF: 659.4/8

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug

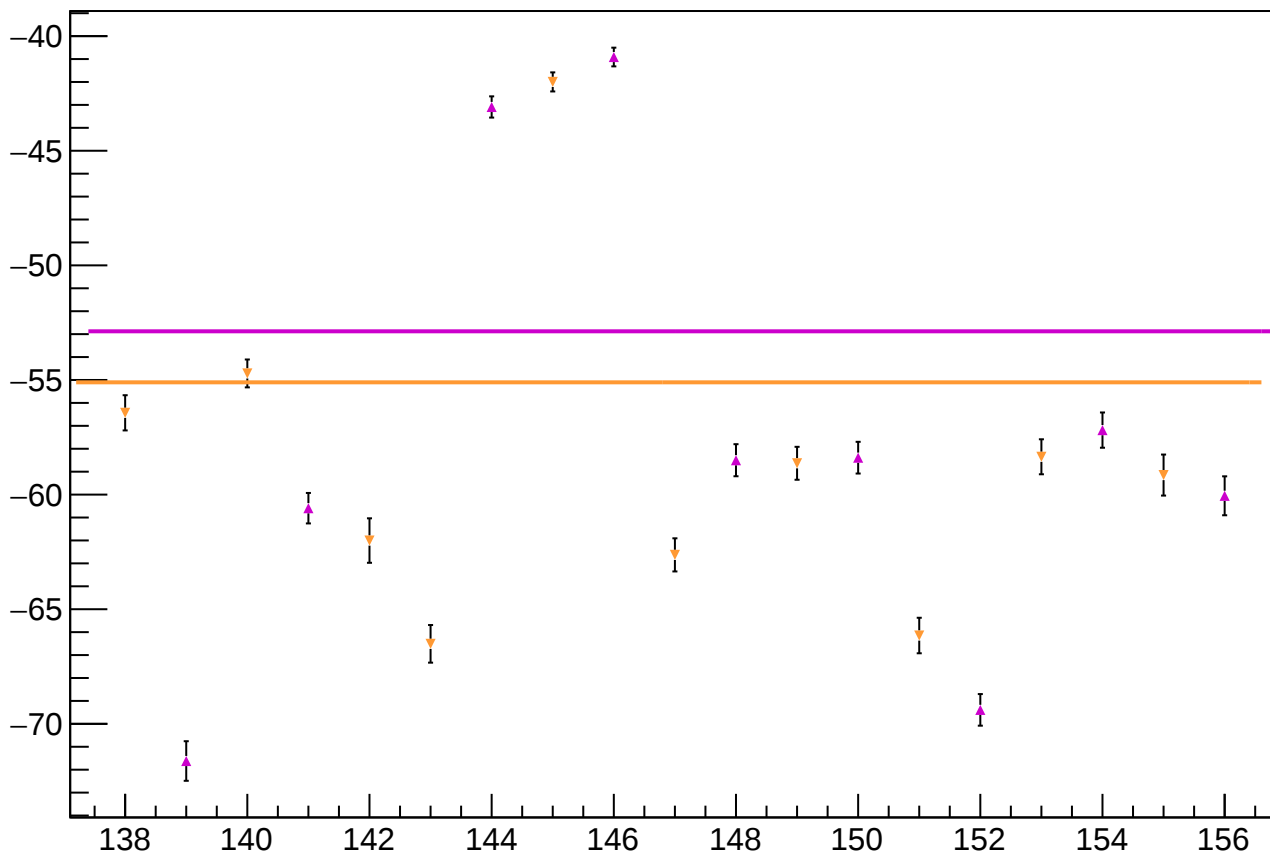


Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left Out: 3.874 $\pm$ 0.149 χ^2 /NDF:185.0/9
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left In: 3.068 $\pm$ 0.139 χ^2 /NDF:148.8/8

3.874 $\pm$ 0.149 χ^2 /NDF: 185.0/9

3.068 $\pm$ 0.139 χ^2 /NDF: 148.8/8

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -55.102+/-0.217 χ^2/NDF : 1614.5/9

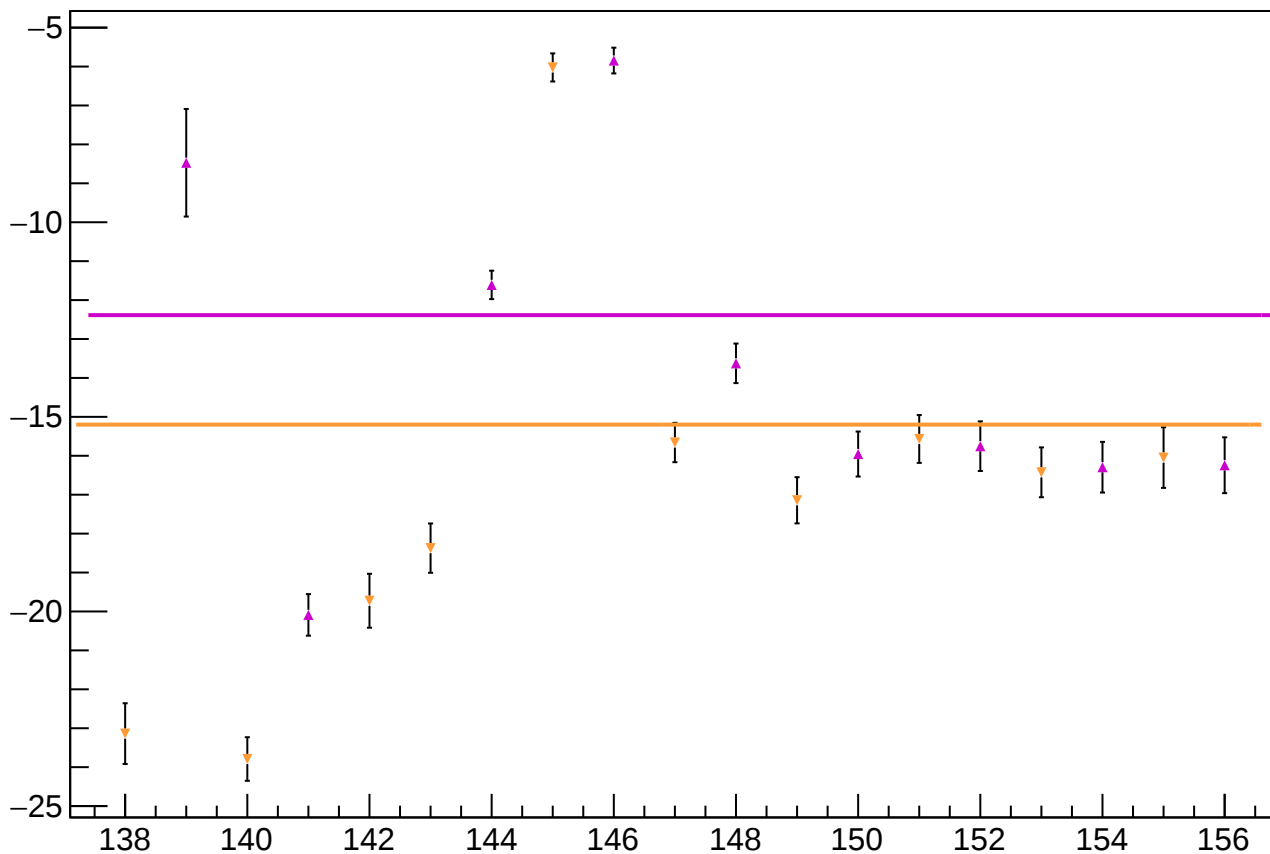
-55.102+/-0.217 χ^2/NDF : 1614.5/9

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

Left In: -52.877+/-0.206 χ^2/NDF : 2718.0/8

-52.877+/-0.206 χ^2/NDF : 2718.0/8

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -15.199 ± 0.181 χ^2/NDF : 1070.2/9

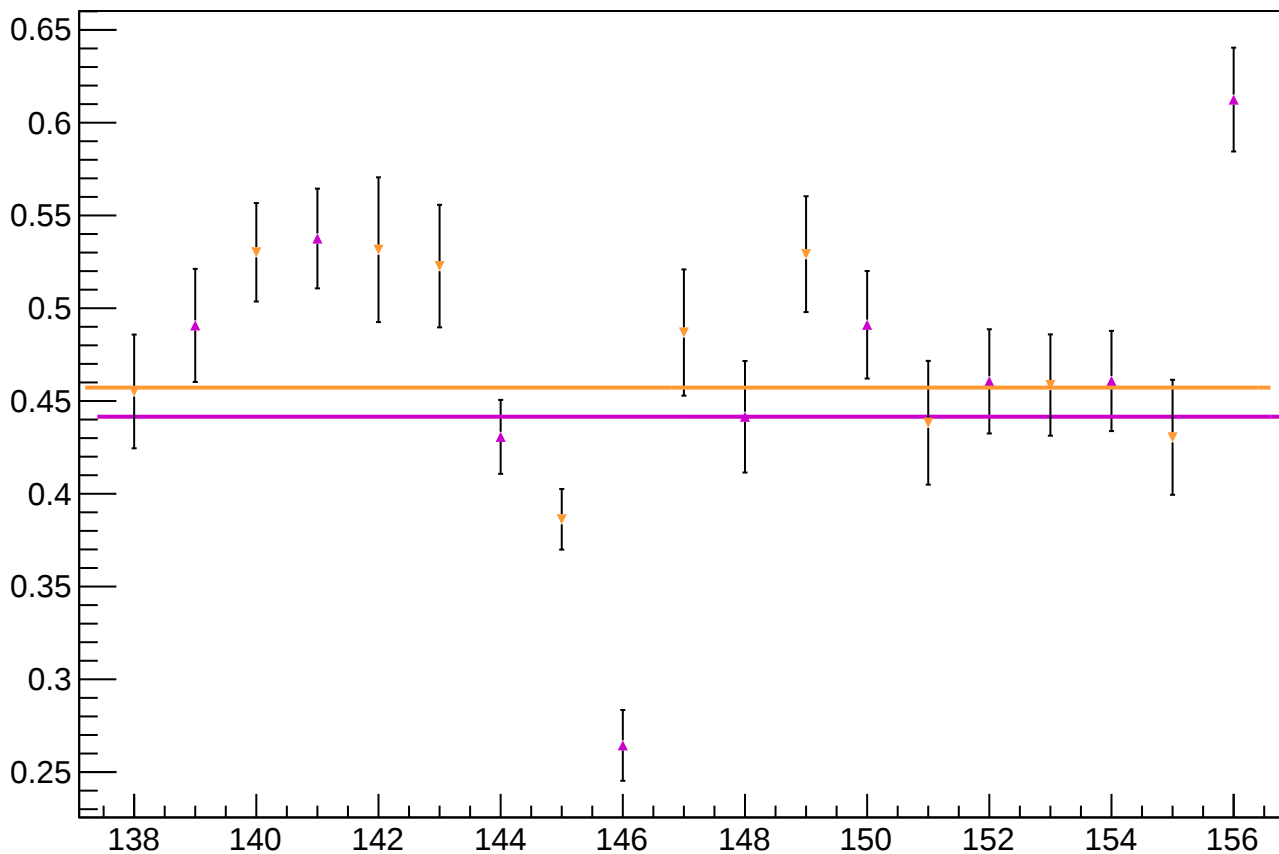
-15.199 ± 0.181 χ^2/NDF : 1070.2/9

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -12.386 ± 0.171 χ^2/NDF : 747.7/8

-12.386 ± 0.171 χ^2/NDF : 747.7/8

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.457 $\pm$ 0.009 χ^2 /NDF:41.2/9

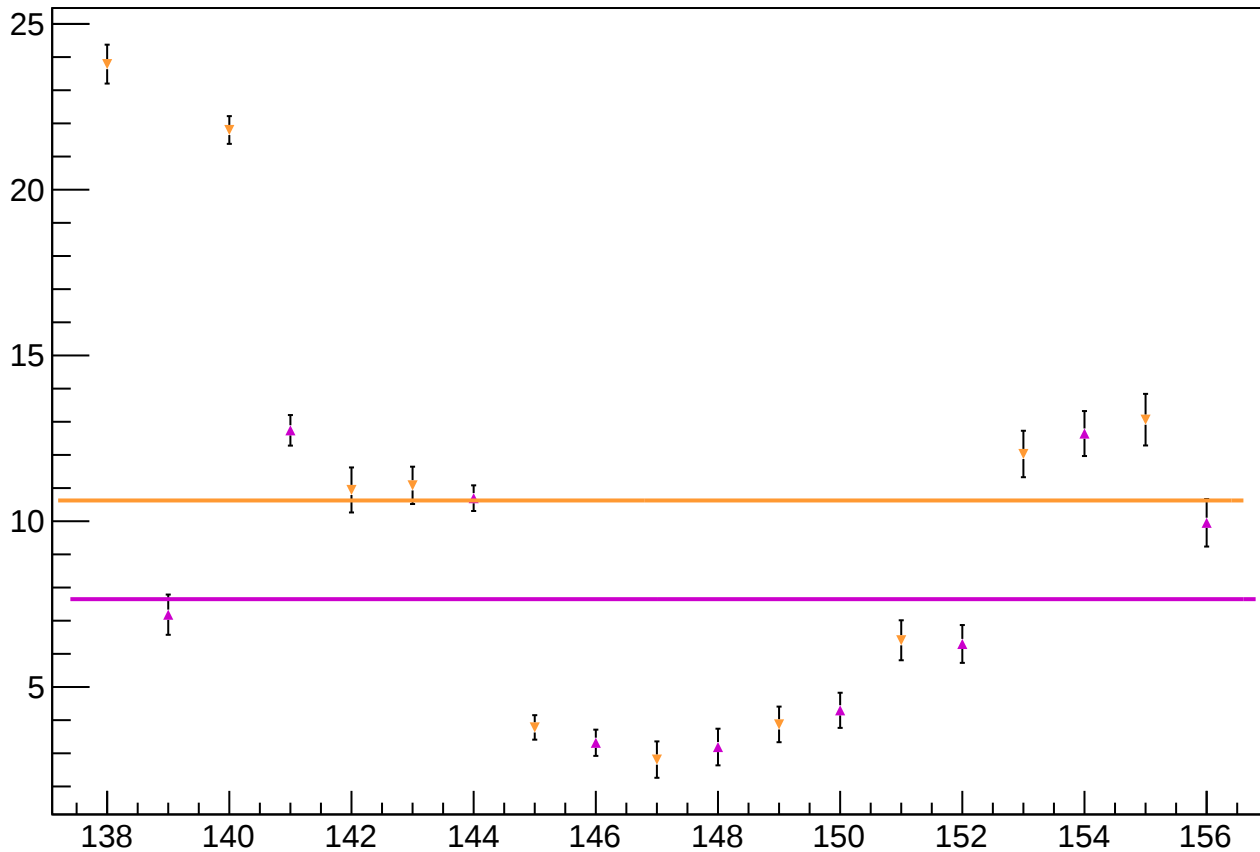
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.442 $\pm$ 0.008 χ^2 /NDF:143.0/8

0.457 $\pm$ 0.009 χ^2 /NDF: 41.2/9

0.442 $\pm$ 0.008 χ^2 /NDF: 143.0/8

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: 10.626+/-0.170 χ^2/NDF :1984.8/9

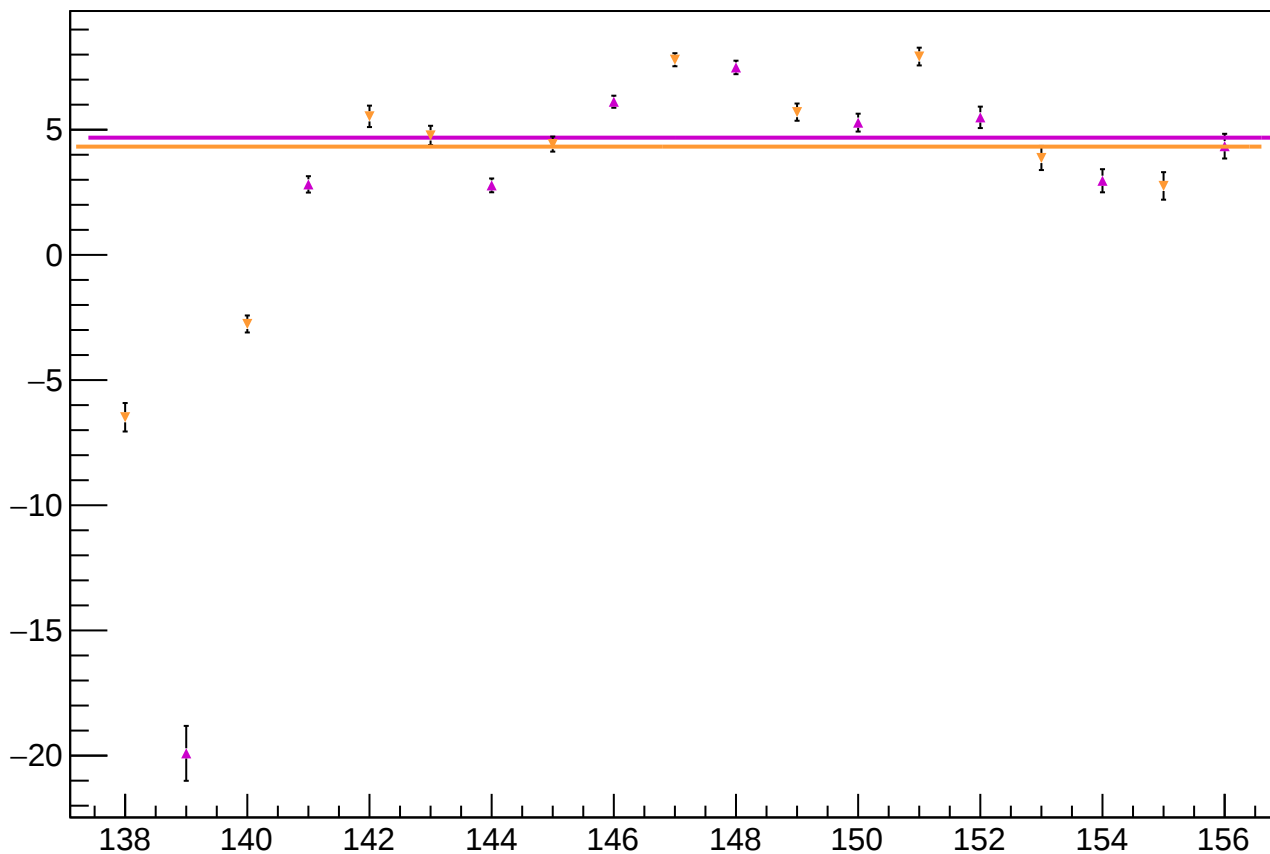
10.626+/-0.170 χ^2/NDF : 1984.8/9

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

Left In: 7.650+/-0.170 χ^2/NDF :479.7/8

7.650+/-0.170 χ^2/NDF : 479.7/8

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



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

Left Out: 4.325+/-0.116 χ^2/NDF :1110.3/9

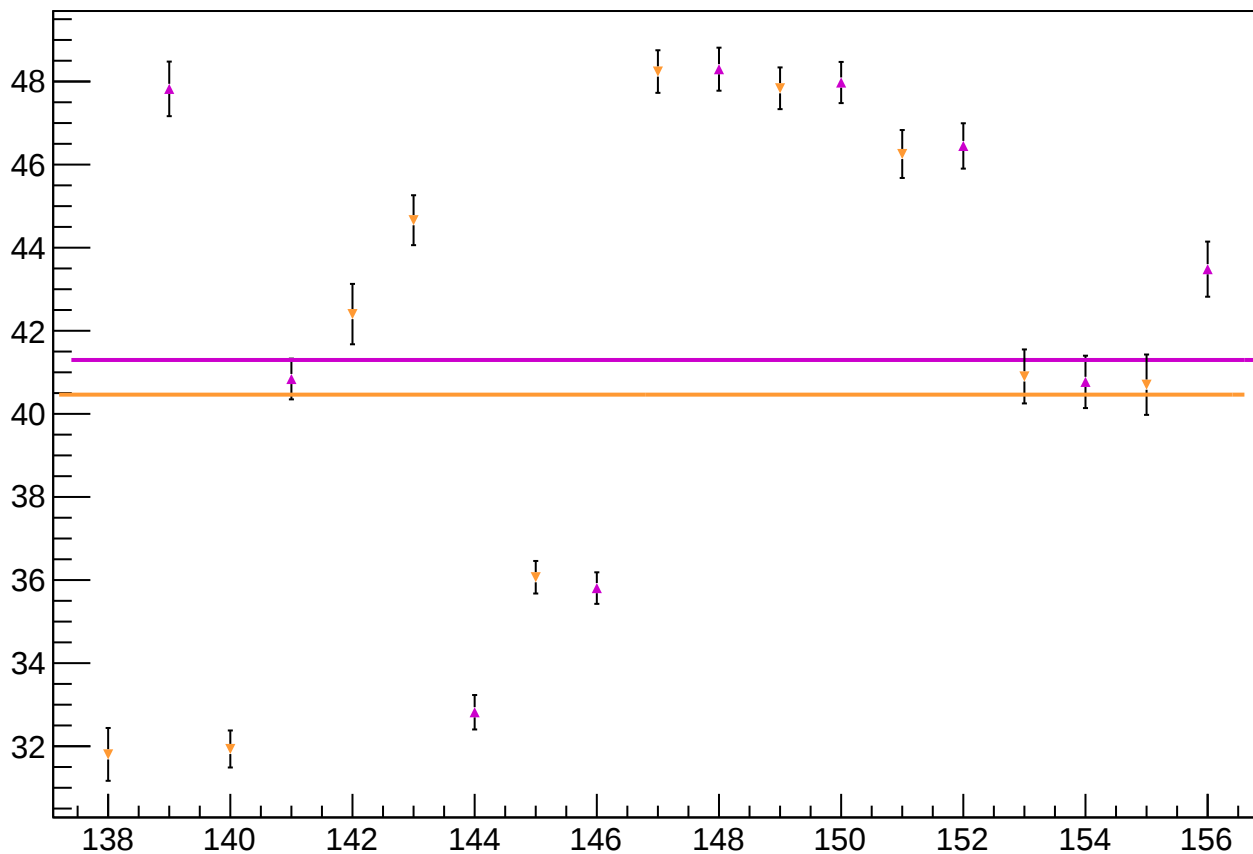
4.325+/-0.116 χ^2/NDF : 1110.3/9

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

Left In: 4.682+/-0.114 χ^2/NDF :747.9/8

4.682+/-0.114 χ^2/NDF : 747.9/8

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: 40.463+/-0.172 χ^2/NDF :1281.0/9

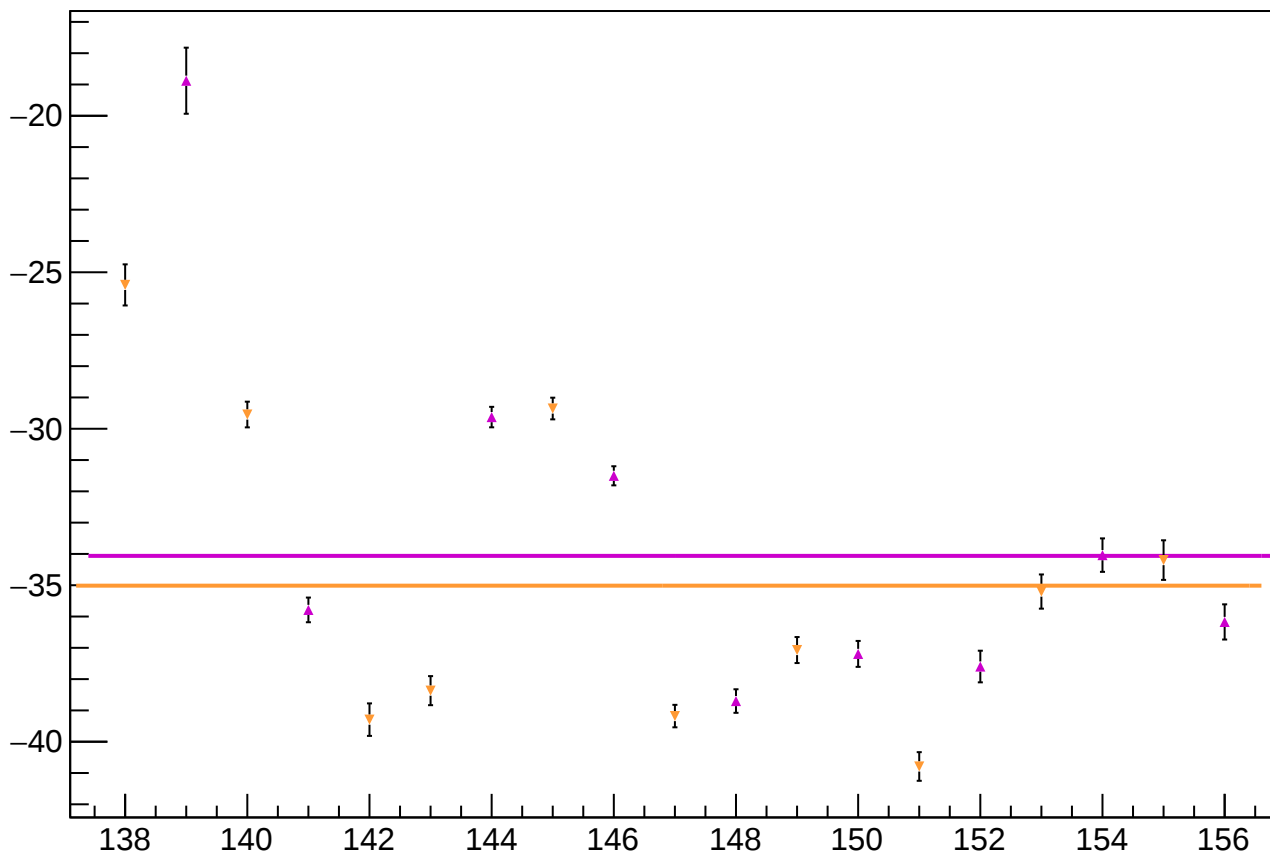
40.463+/-0.172 χ^2/NDF : 1281.0/9

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

Left In: 41.297+/-0.169 χ^2/NDF :1191.9/8

41.297+/-0.169 χ^2/NDF : 1191.9/8

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: -35.014+/-0.143 χ^2/NDF :1098.8/9

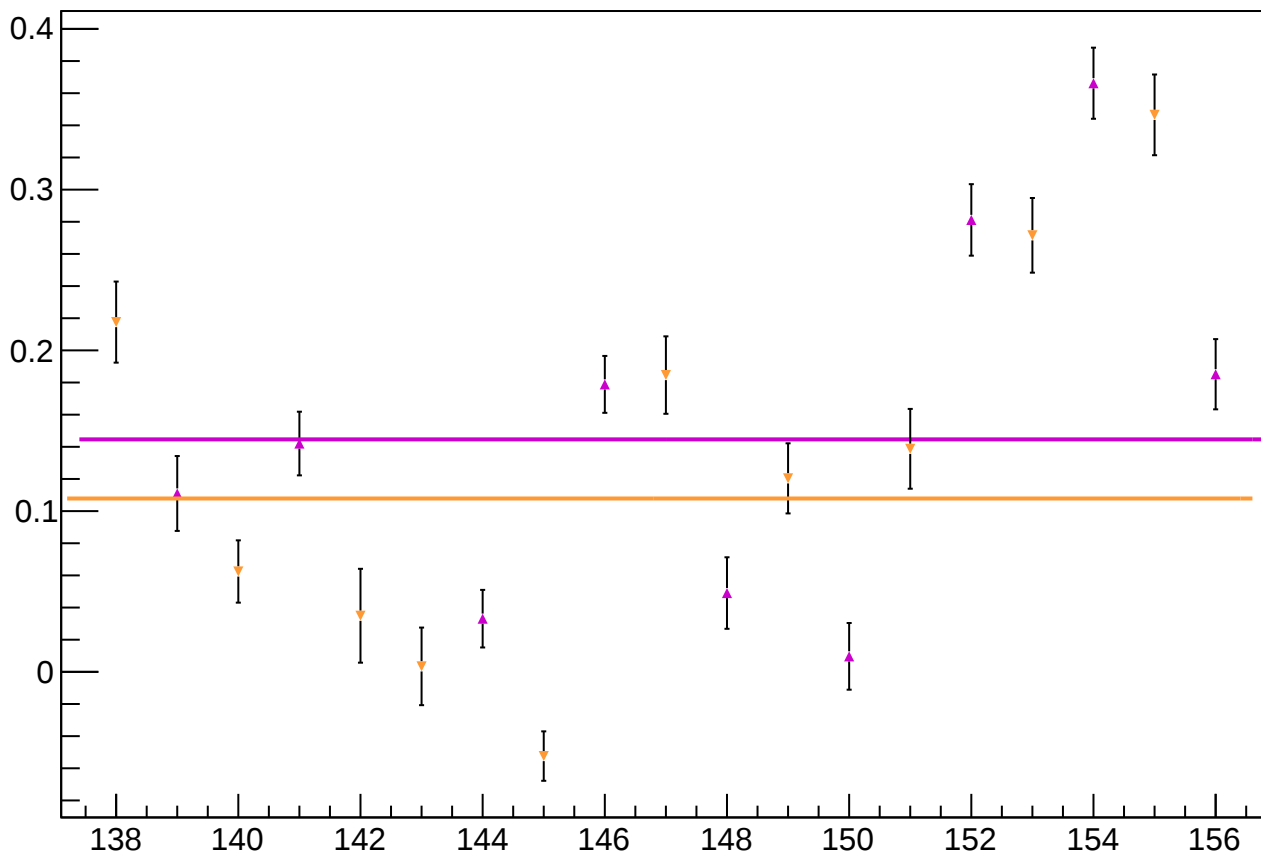
-35.014+/-0.143 χ^2/NDF : 1098.8/9

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

Left In: -34.062+/-0.140 χ^2/NDF :752.2/8

-34.062+/-0.140 χ^2/NDF : 752.2/8

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug

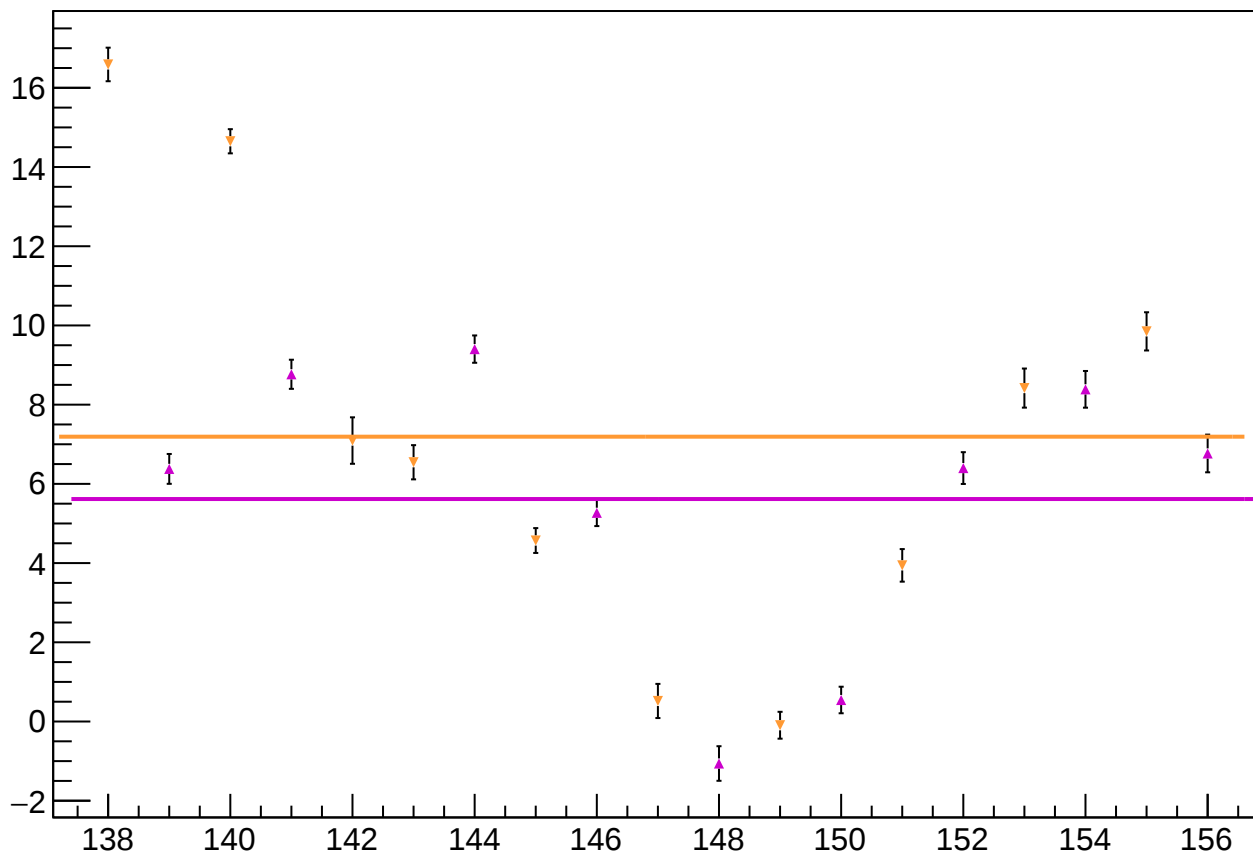


Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.108 $\pm$ 0.007 χ^2 /NDF:310.0/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.145 $\pm$ 0.007 χ^2 /NDF:246.9/8

0.108 $\pm$ 0.007 χ^2 /NDF: 310.0/9

0.145 $\pm$ 0.007 χ^2 /NDF: 246.9/8

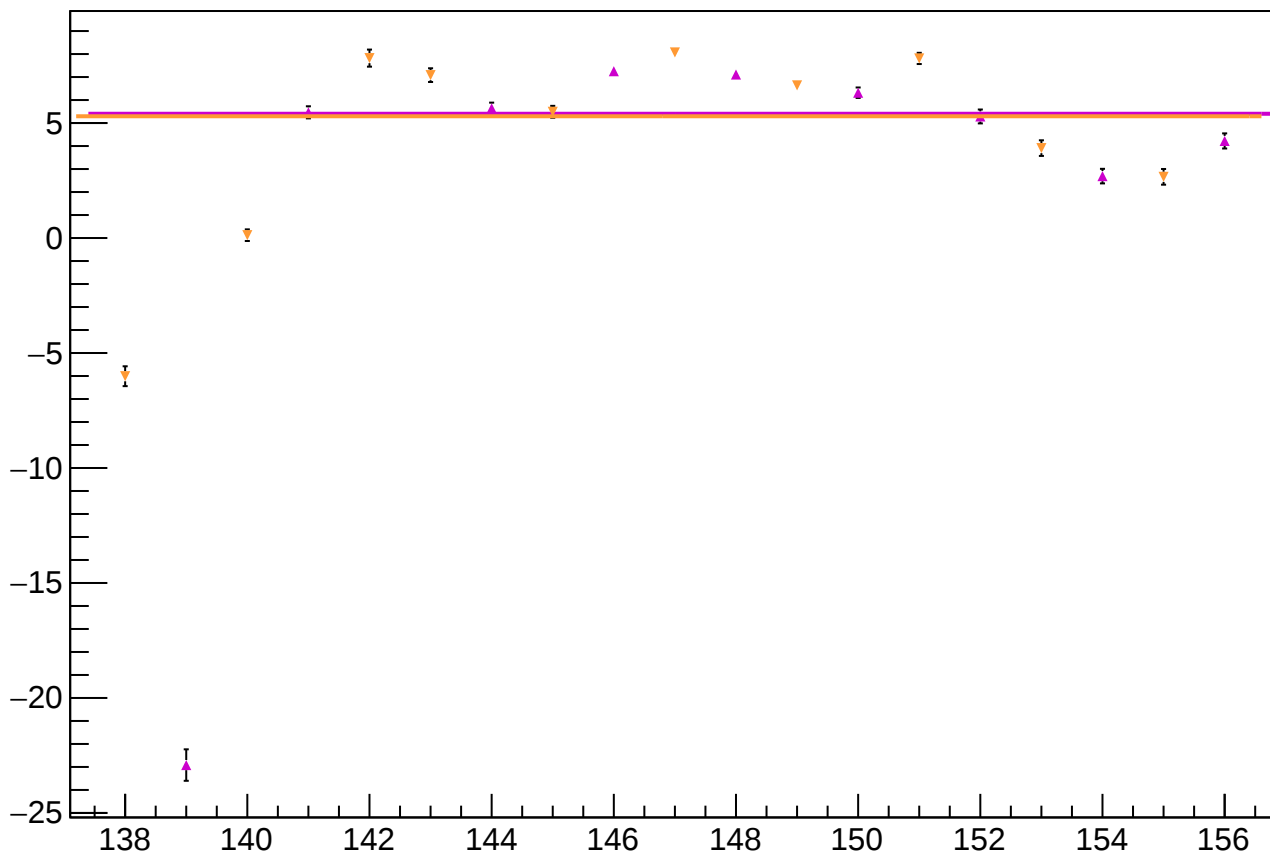
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.191+/-0.126 χ^2/NDF :1961.3/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.617+/-0.128 χ^2/NDF :707.4/8

7.191+/-0.126 χ^2/NDF : 1961.3/9
 5.617+/-0.128 χ^2/NDF : 707.4/8

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



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

Left Out: 5.294 $\pm$ 0.087 χ^2 /NDF:1587.0/9

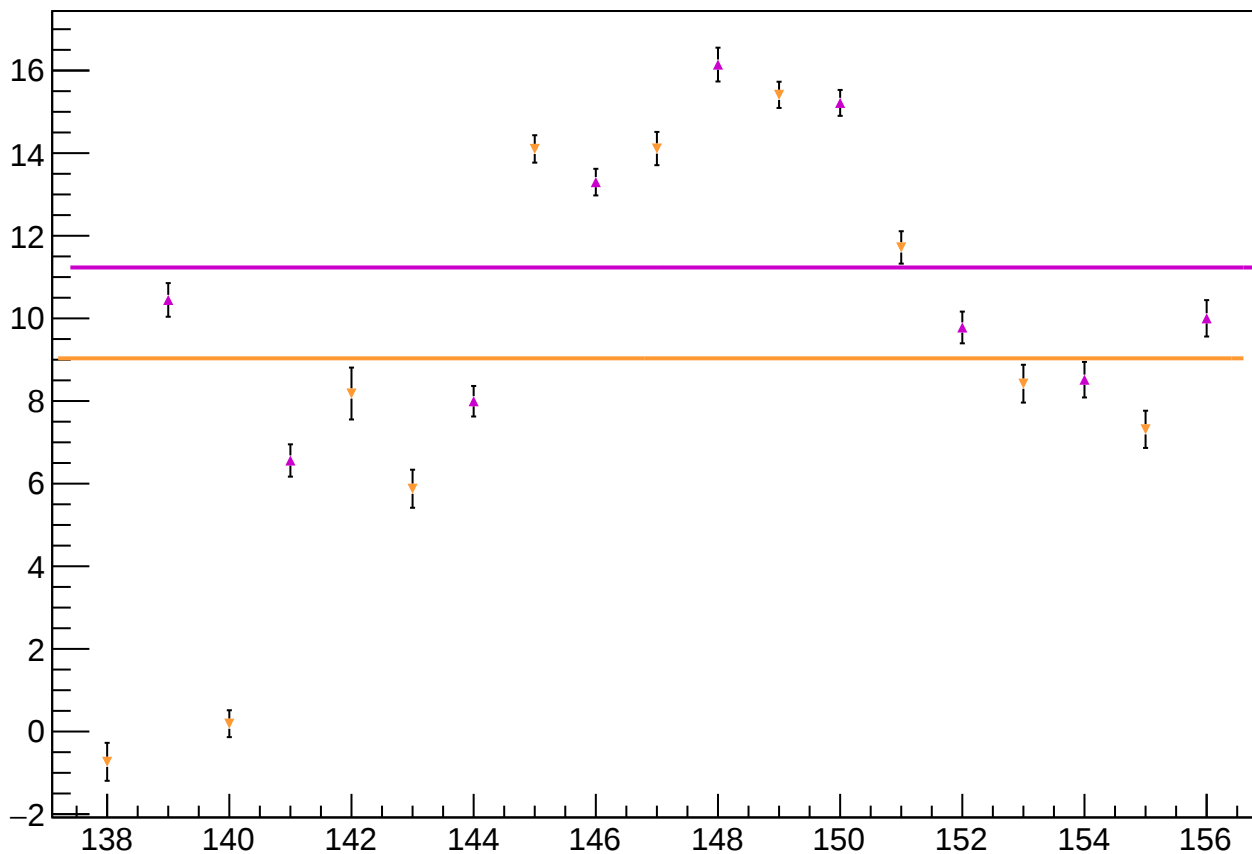
5.294 $\pm$ 0.087 χ^2 /NDF: 1587.0/9

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

Left In: 5.403 $\pm$ 0.089 χ^2 /NDF:1953.8/8

5.403 $\pm$ 0.089 χ^2 /NDF: 1953.8/8

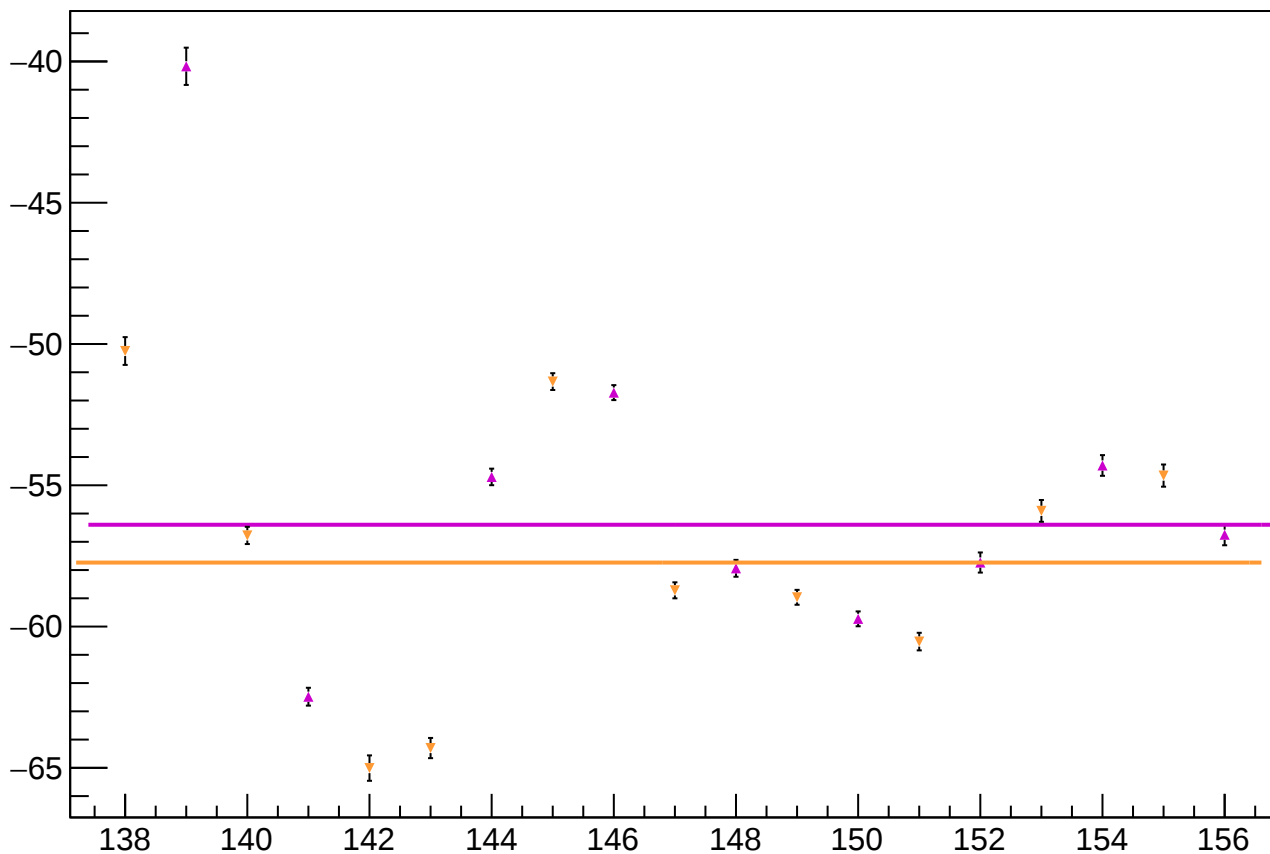
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 9.033 $\pm$ 0.126 χ^2 /NDF:2100.0/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 11.232 $\pm$ 0.126 χ^2 /NDF:631.6/8

9.033 $\pm$ 0.126 χ^2 /NDF: 2100.0/9
 11.232 $\pm$ 0.126 χ^2 /NDF: 631.6/8

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -57.735+/-0.106 χ^2/NDF :1503.4/9

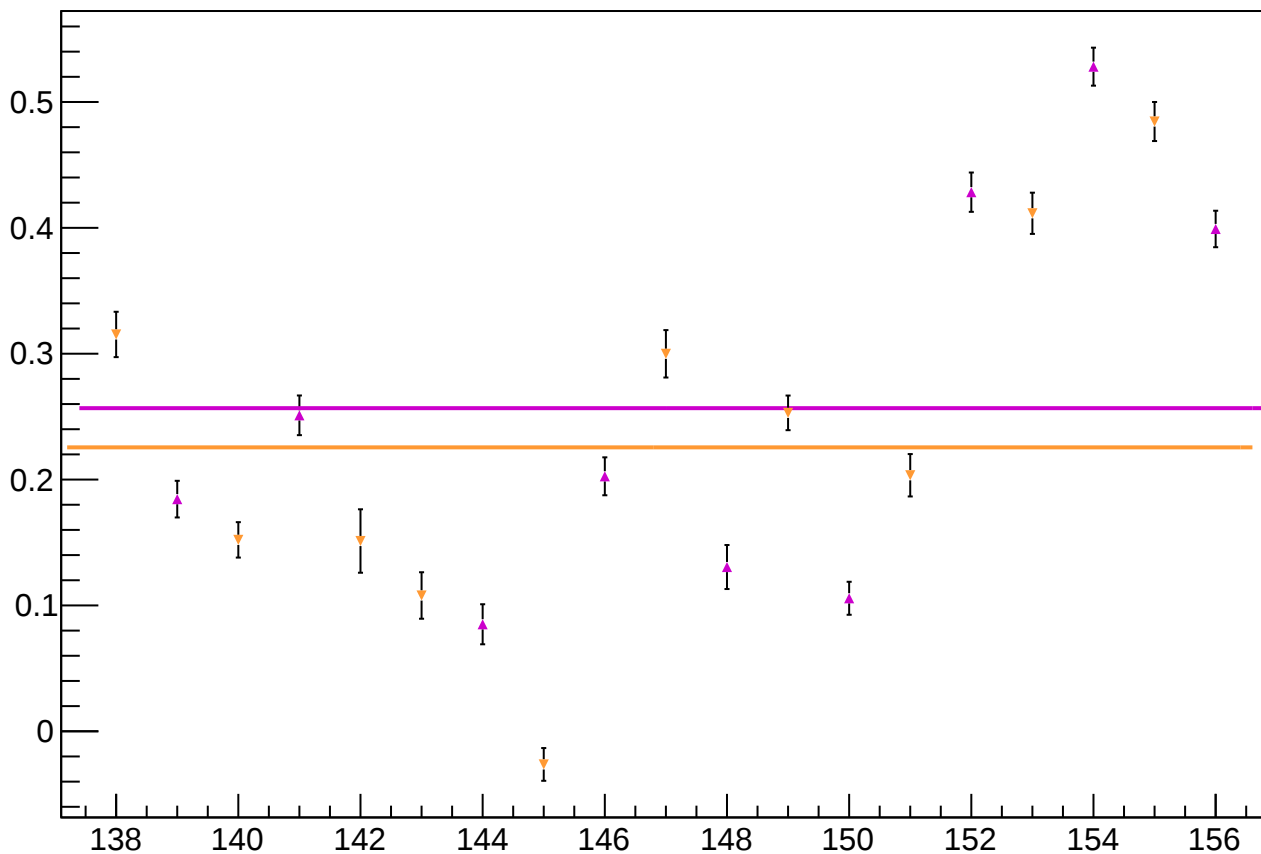
-57.735+/-0.106 χ^2/NDF : 1503.4/9

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

Left In: -56.397+/-0.108 χ^2/NDF :1556.0/8

-56.397+/-0.108 χ^2/NDF : 1556.0/8

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: 0.226 $\pm$ 0.005 χ^2 /NDF: 904.9/9

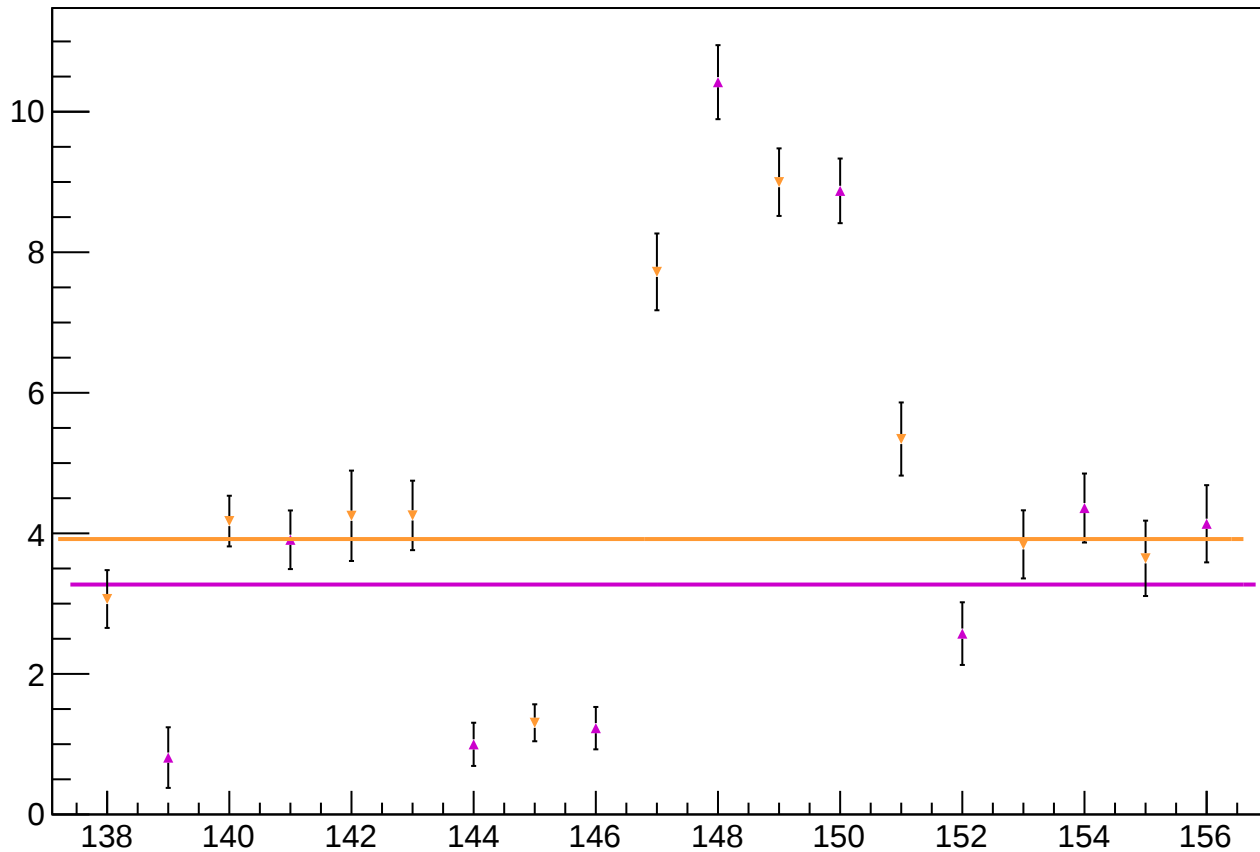
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.257 $\pm$ 0.005 χ^2 /NDF: 879.5/8

0.226 $\pm$ 0.005 χ^2 /NDF: 904.9/9

0.257 $\pm$ 0.005 χ^2 /NDF: 879.5/8

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug

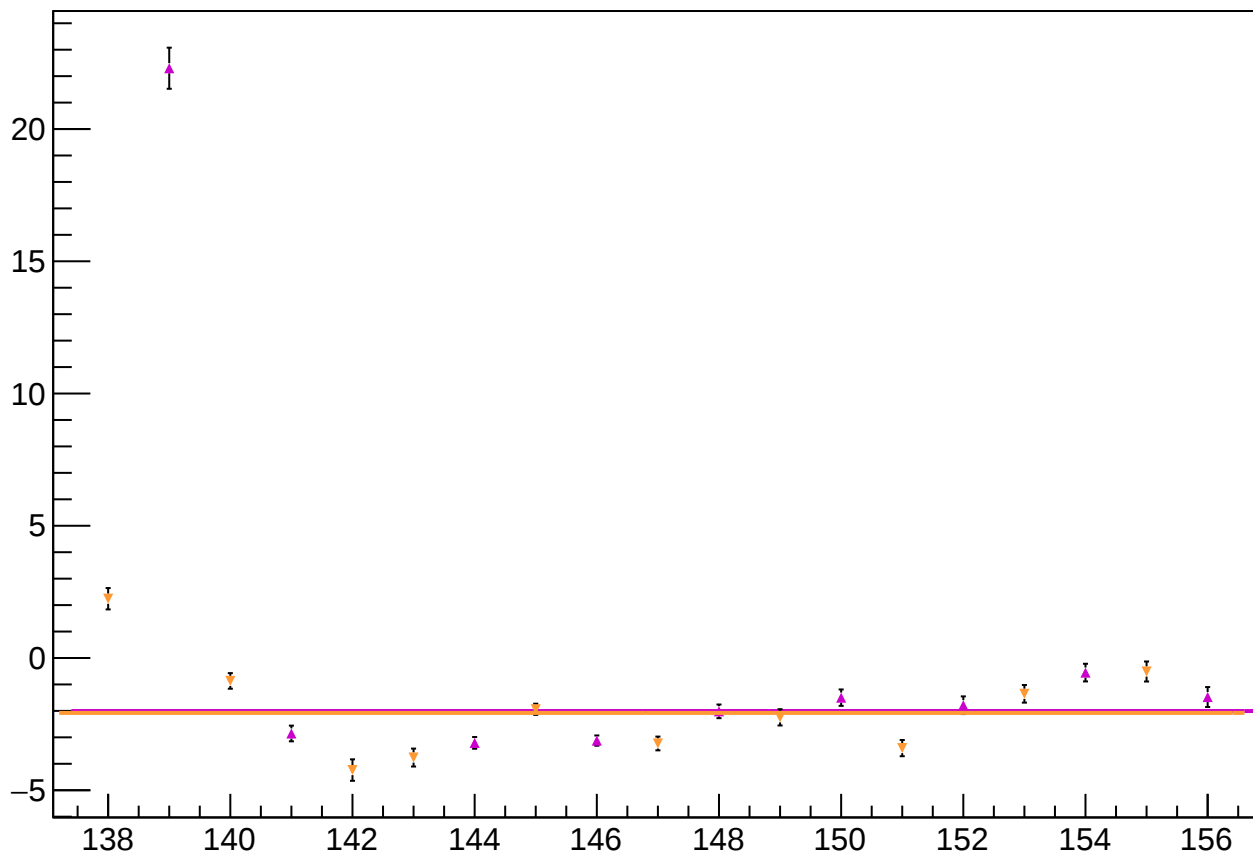


Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.919 $\pm$ 0.136 χ^2 /NDF:272.2/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.272 $\pm$ 0.137 χ^2 /NDF:478.1/8

3.919 $\pm$ 0.136 χ^2 /NDF: 272.2/9

3.272 $\pm$ 0.137 χ^2 /NDF: 478.1/8

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: -2.076+/-0.097 χ^2/NDF : 245.2/9

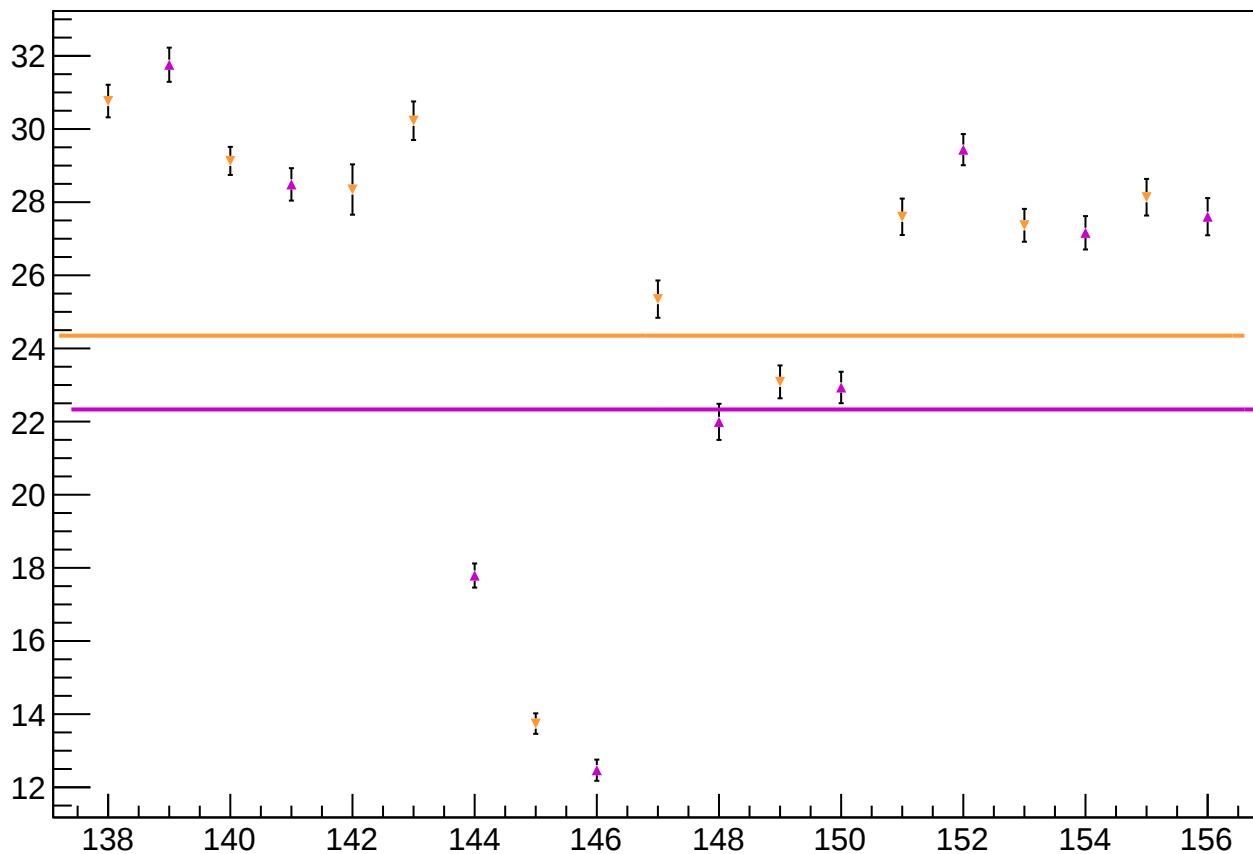
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2.006+/-0.095 χ^2/NDF : 1073.3/8

-2.076+/-0.097 χ^2/NDF : 245.2/9

-2.006+/-0.095 χ^2/NDF : 1073.3/8

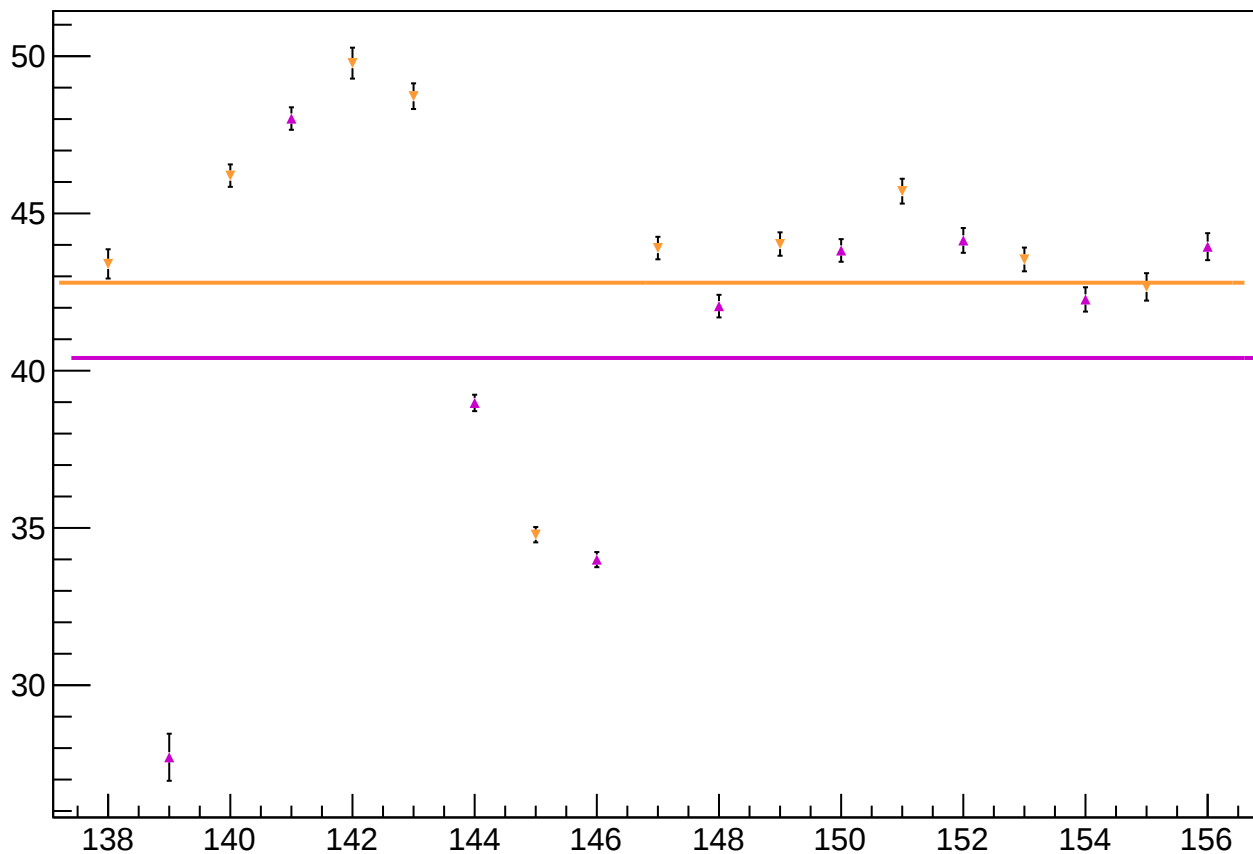
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 24.350+/-0.139 χ^2/NDF : 2108.1/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 22.331+/-0.136 χ^2/NDF : 2446.0/8

24.350+/-0.139 χ^2/NDF : 2108.1/9
 22.331+/-0.136 χ^2/NDF : 2446.0/8

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 42.797 $\pm$ 0.117 χ^2 /NDF:1662.7/9

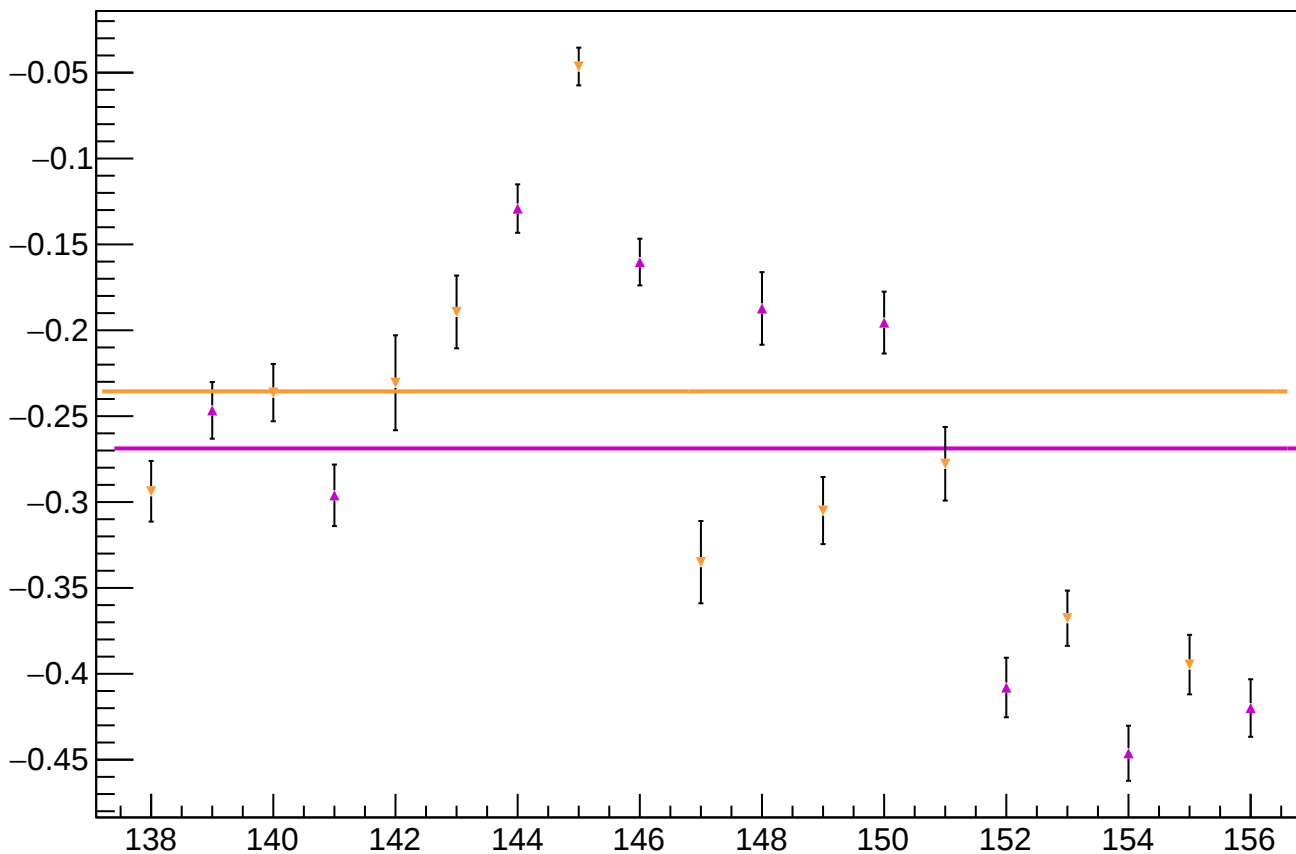
42.797 $\pm$ 0.117 χ^2 /NDF: 1662.7/9

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

Left In: 40.404 $\pm$ 0.115 χ^2 /NDF:1774.0/8

40.404 $\pm$ 0.115 χ^2 /NDF: 1774.0/8

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: -0.236+/-0.006 χ^2/NDF : 497.5/9

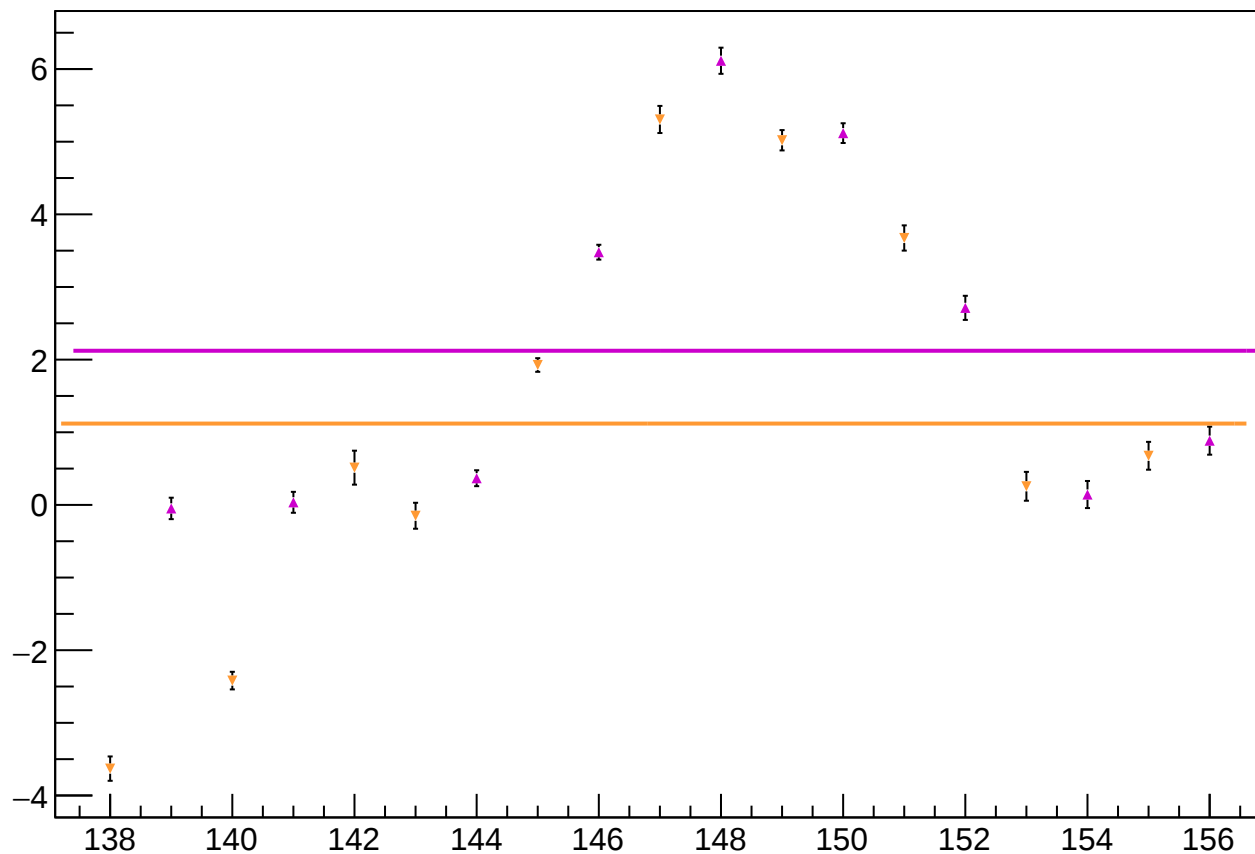
-0.236+/-0.006 χ^2/NDF : 497.5/9

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

Left In: -0.269+/-0.005 χ^2/NDF : 465.8/8

-0.269+/-0.005 χ^2/NDF : 465.8/8

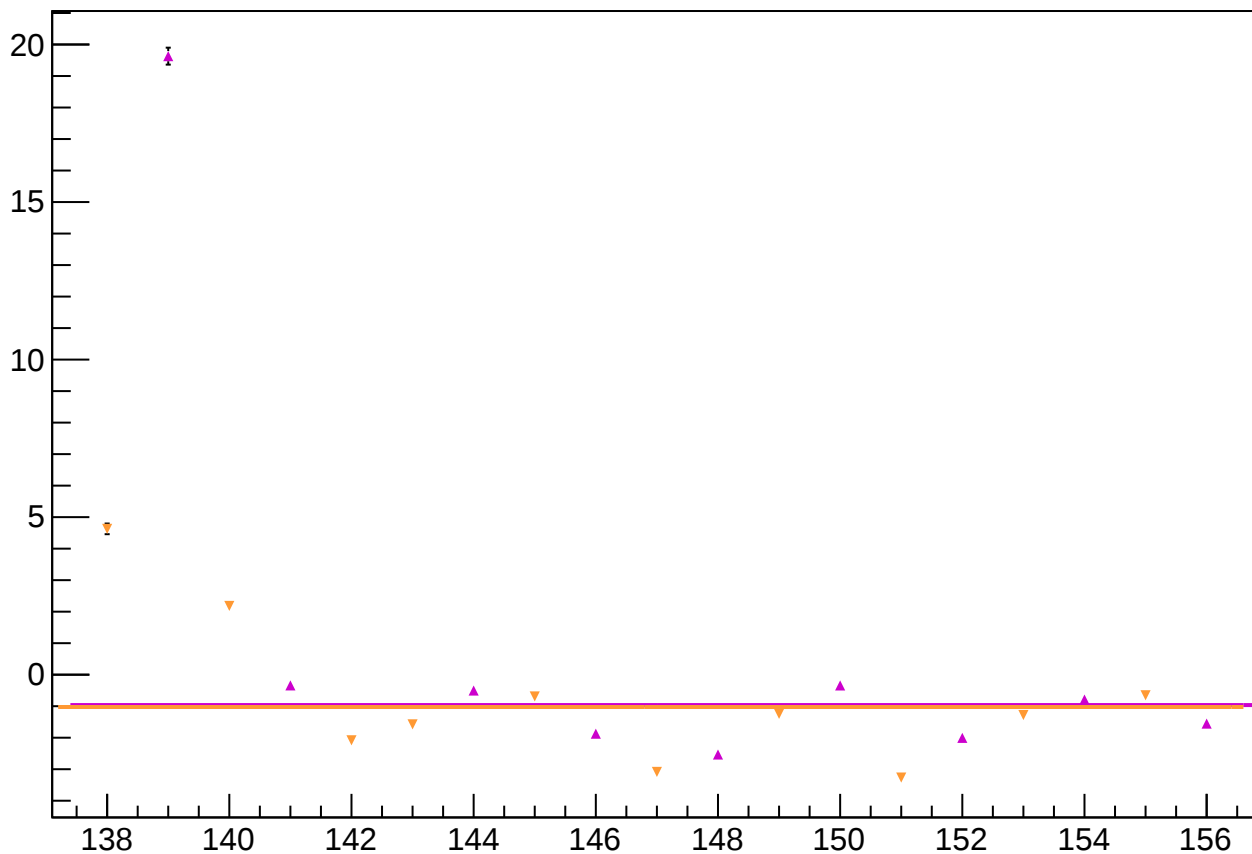
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 1.120 $\pm$ 0.048 χ^2 /NDF:3308.3/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.122 $\pm$ 0.047 χ^2 /NDF:2002.7/8

1.120 $\pm$ 0.048 χ^2 /NDF: 3308.3/9
 2.122 $\pm$ 0.047 χ^2 /NDF: 2002.7/8

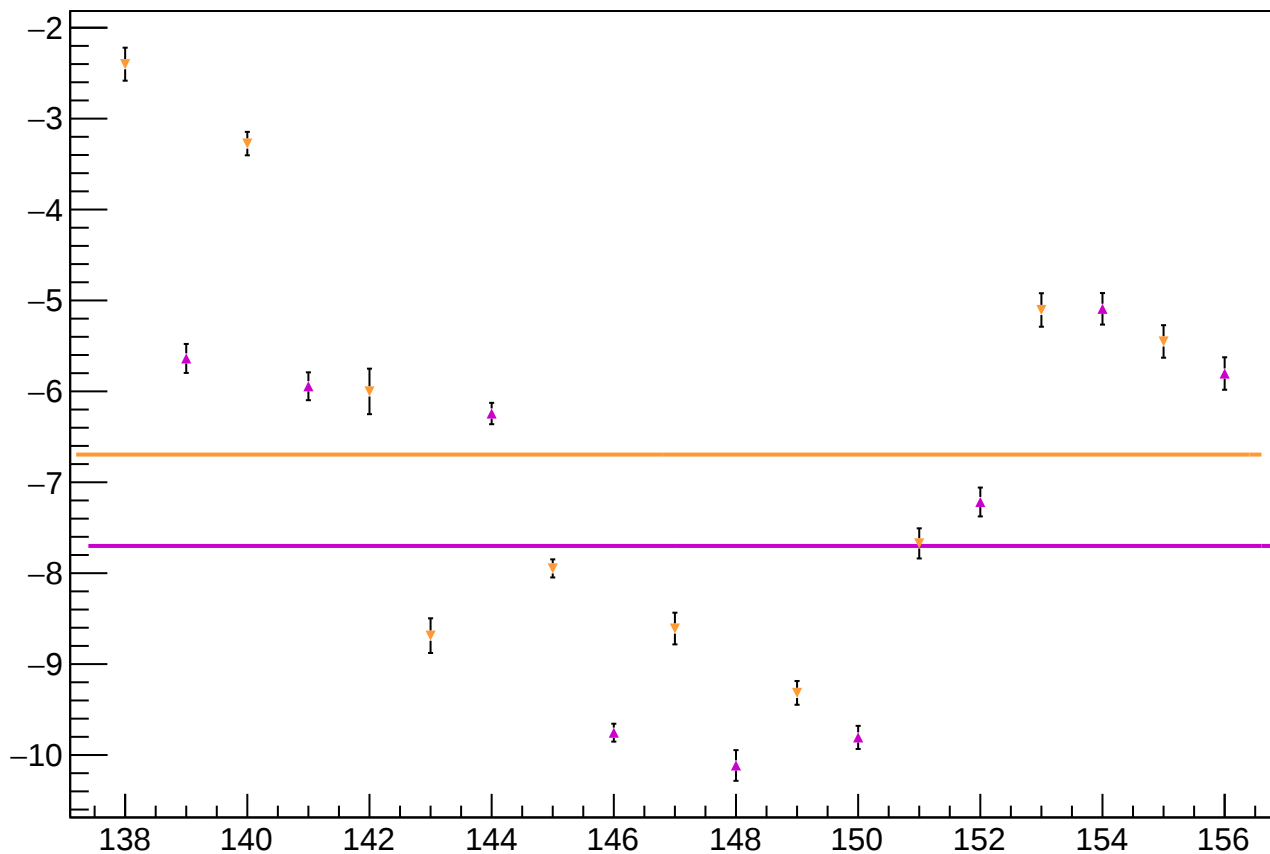
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.026+/-0.034 χ^2/NDF : 3255.1/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.964+/-0.033 χ^2/NDF : 6565.3/8

-1.026+/-0.034 χ^2/NDF : 3255.1/9
 -0.964+/-0.033 χ^2/NDF : 6565.3/8

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: -6.695+/-0.049 χ^2/NDF : 2215.7/9

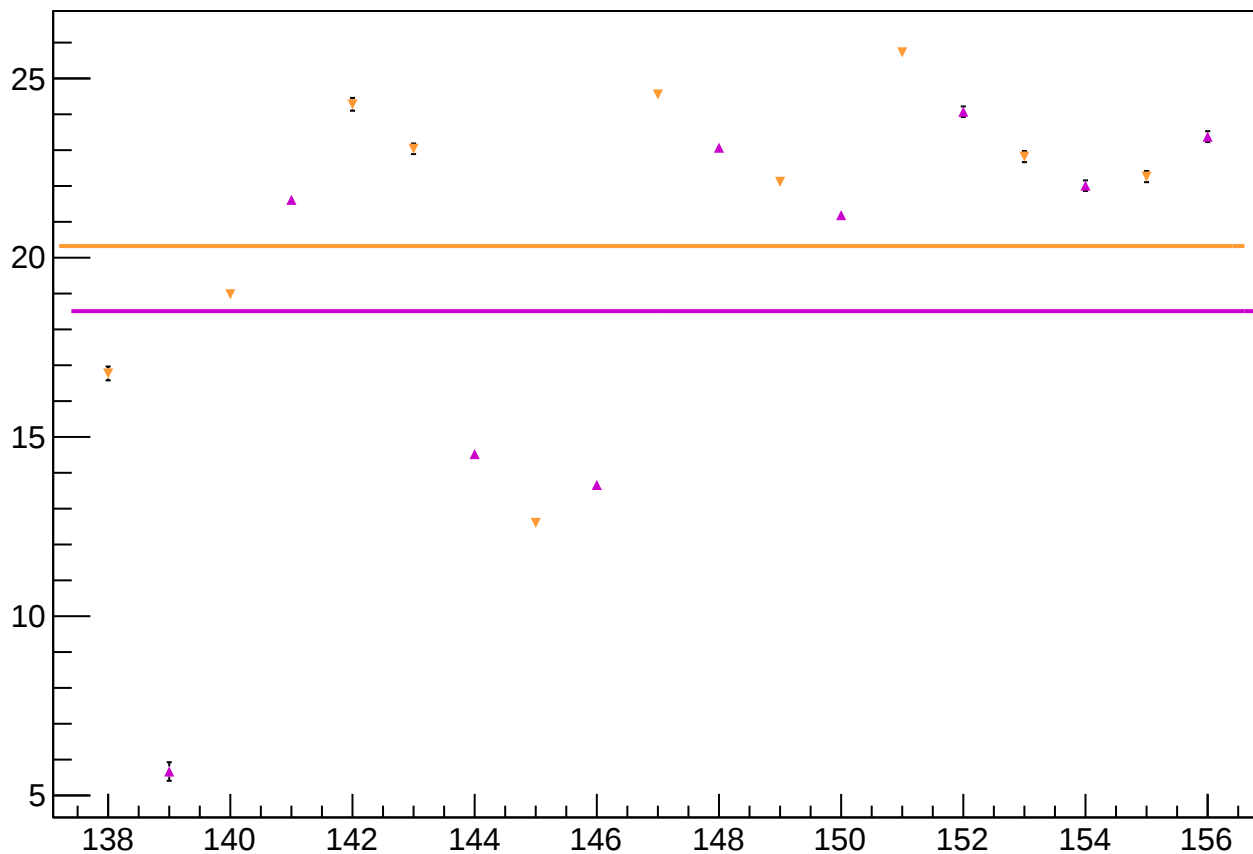
-6.695+/-0.049 χ^2/NDF : 2215.7/9

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

-7.700+/-0.047 χ^2/NDF : 1715.1/8

Left In: -7.700+/-0.047 χ^2/NDF : 1715.1/8

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 20.324 $\pm$ 0.041 χ^2 /NDF:12508.8/9

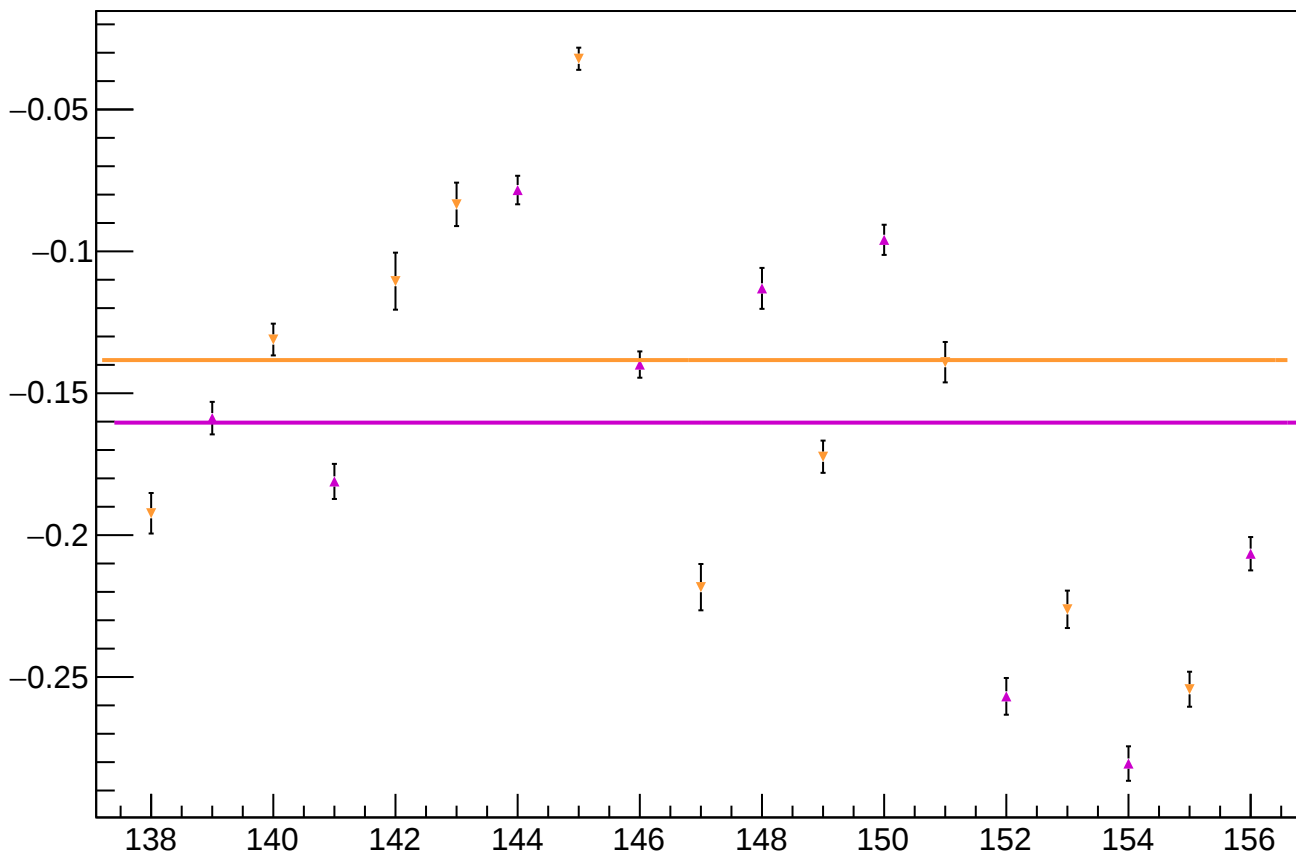
20.324 $\pm$ 0.041 χ^2 /NDF: 12508.8/9

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

Left In: 18.510 $\pm$ 0.040 χ^2 /NDF:13407.3/8

18.510 $\pm$ 0.040 χ^2 /NDF: 13407.3/8

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: -0.138+/-0.002 χ^2/NDF :1519.4/9

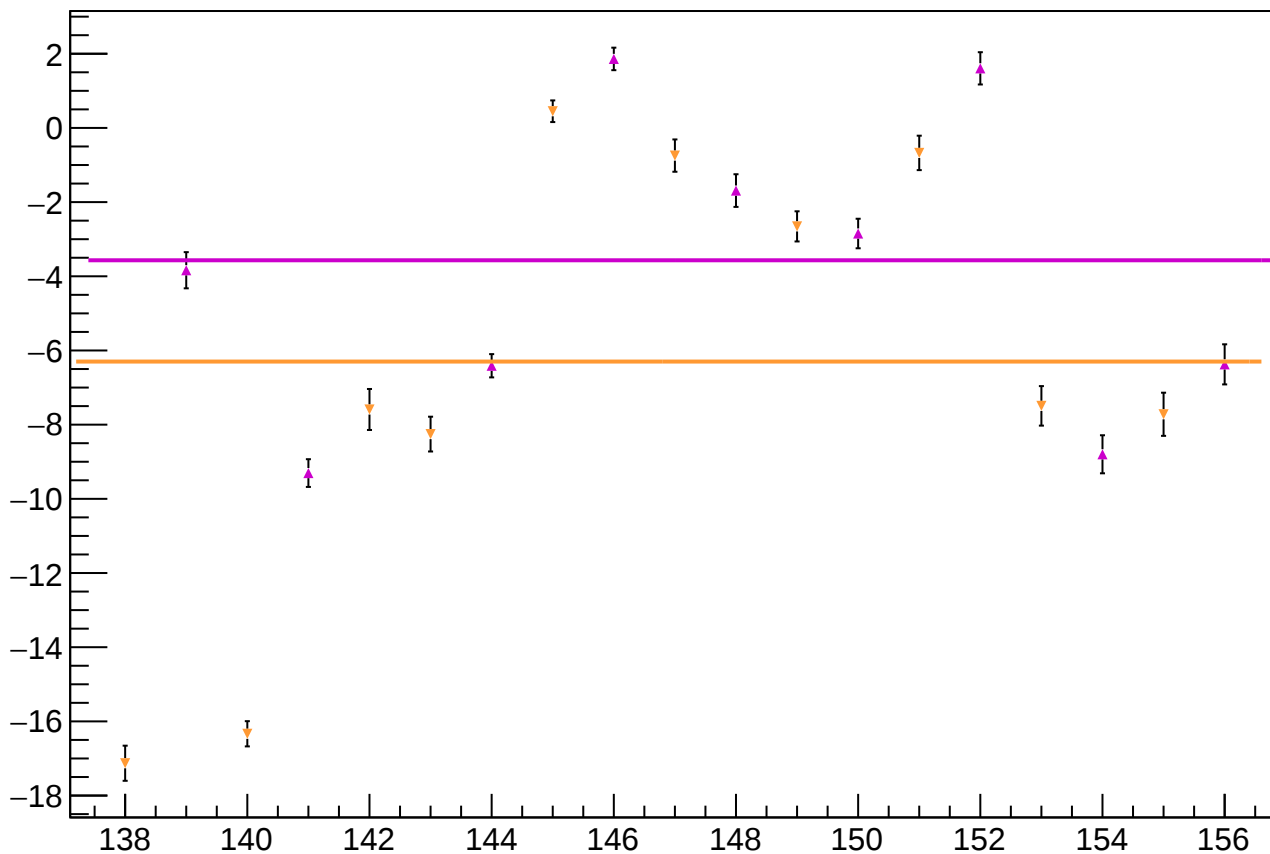
-0.138+/-0.002 χ^2/NDF : 1519.4/9

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

-0.160+/-0.002 χ^2/NDF : 1161.1/8

Left In: -0.160+/-0.002 χ^2/NDF :1161.1/8

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



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

Left Out: -6.299 $\pm$ 0.135 χ^2 /NDF:2352.1/9

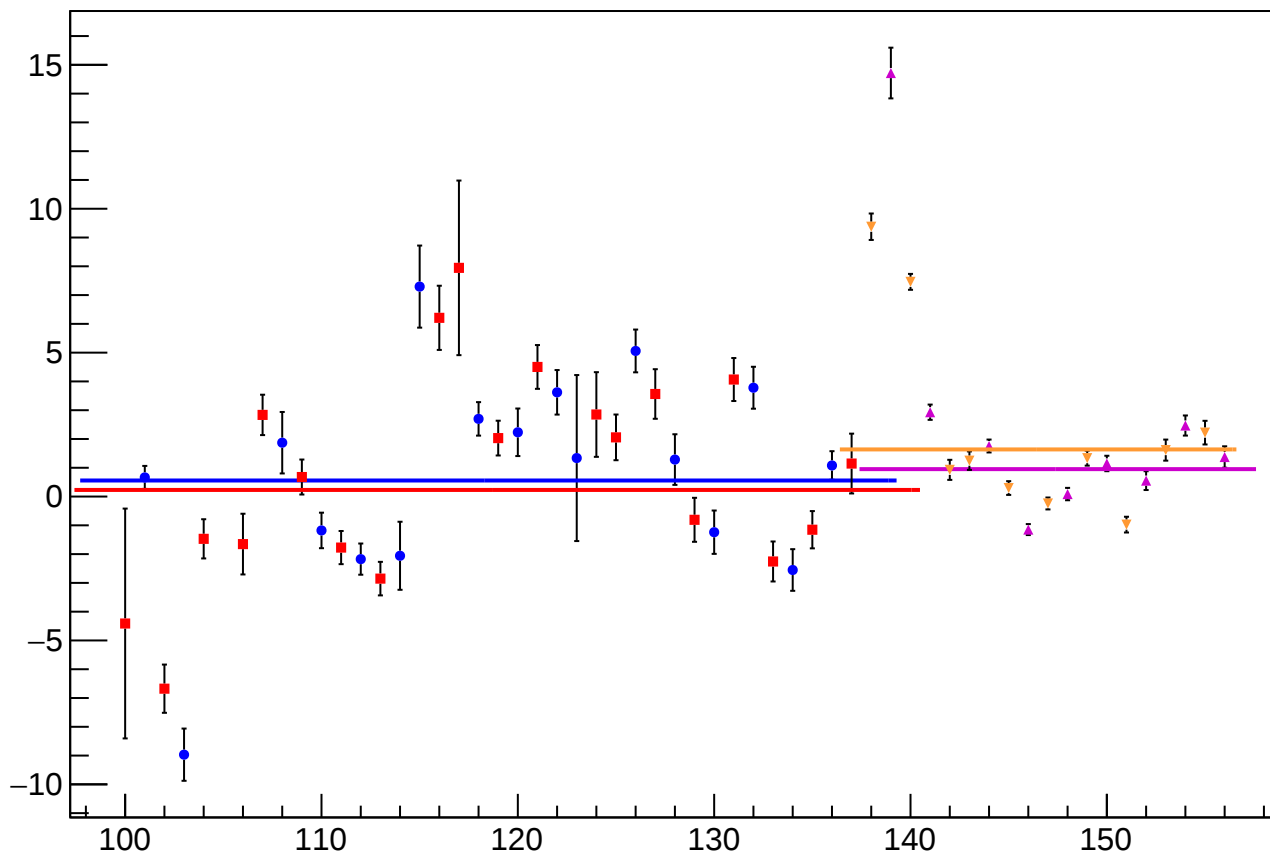
-6.299 $\pm$ 0.135 χ^2 /NDF: 2352.1/9

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

Left In: -3.568 $\pm$ 0.133 χ^2 /NDF:932.0/8

-3.568 $\pm$ 0.133 χ^2 /NDF: 932.0/8

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 1.637 ± 0.092 χ^2/NDF : 941.7/9

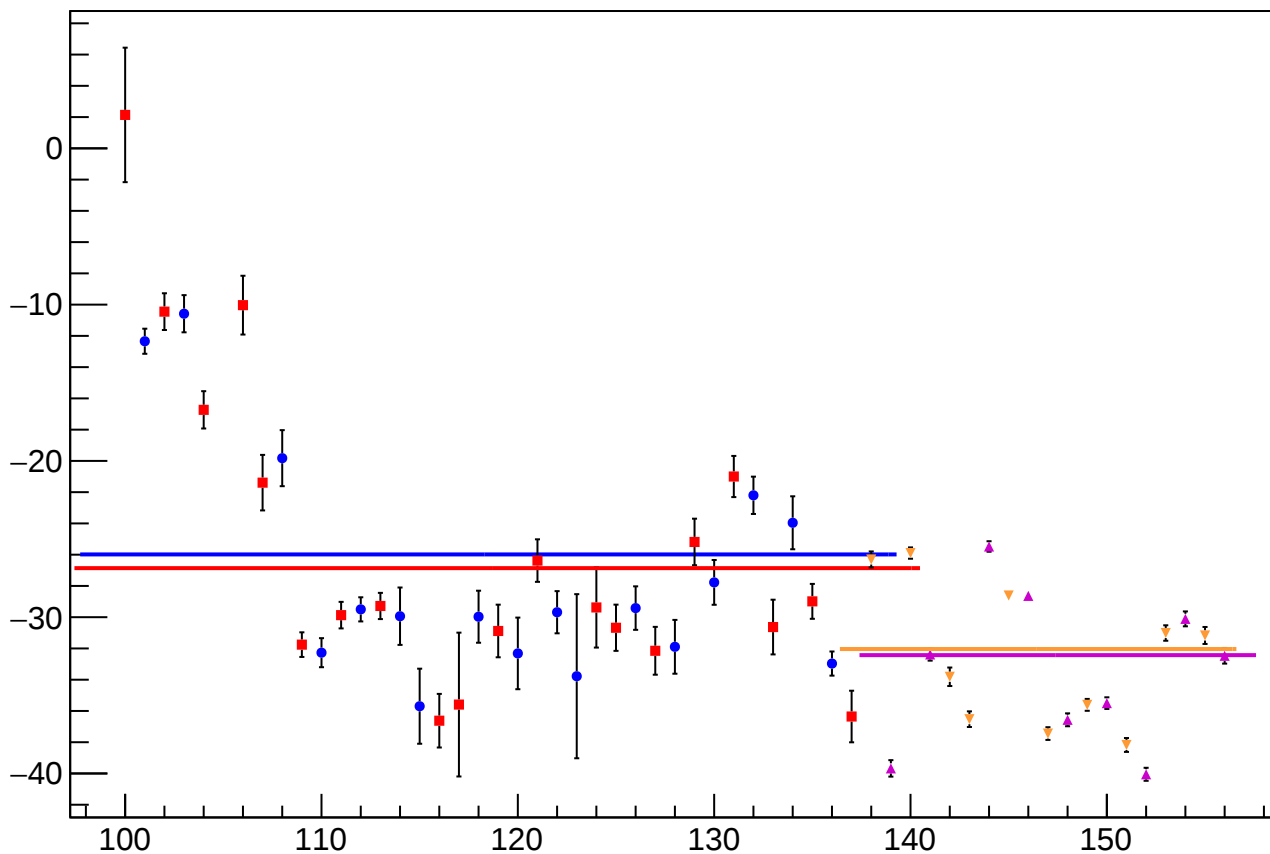
Right Out: 0.230 ± 0.174 χ^2/NDF : 278.5/19

Left In: 0.953 ± 0.090 χ^2/NDF : 471.7/8

1.393 ± 0.081 χ^2/NDF : 1260.8/26

0.800 ± 0.080 χ^2/NDF : 763.9/28

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -32.037 ± 0.136 χ^2/NDF : 1087.7/9

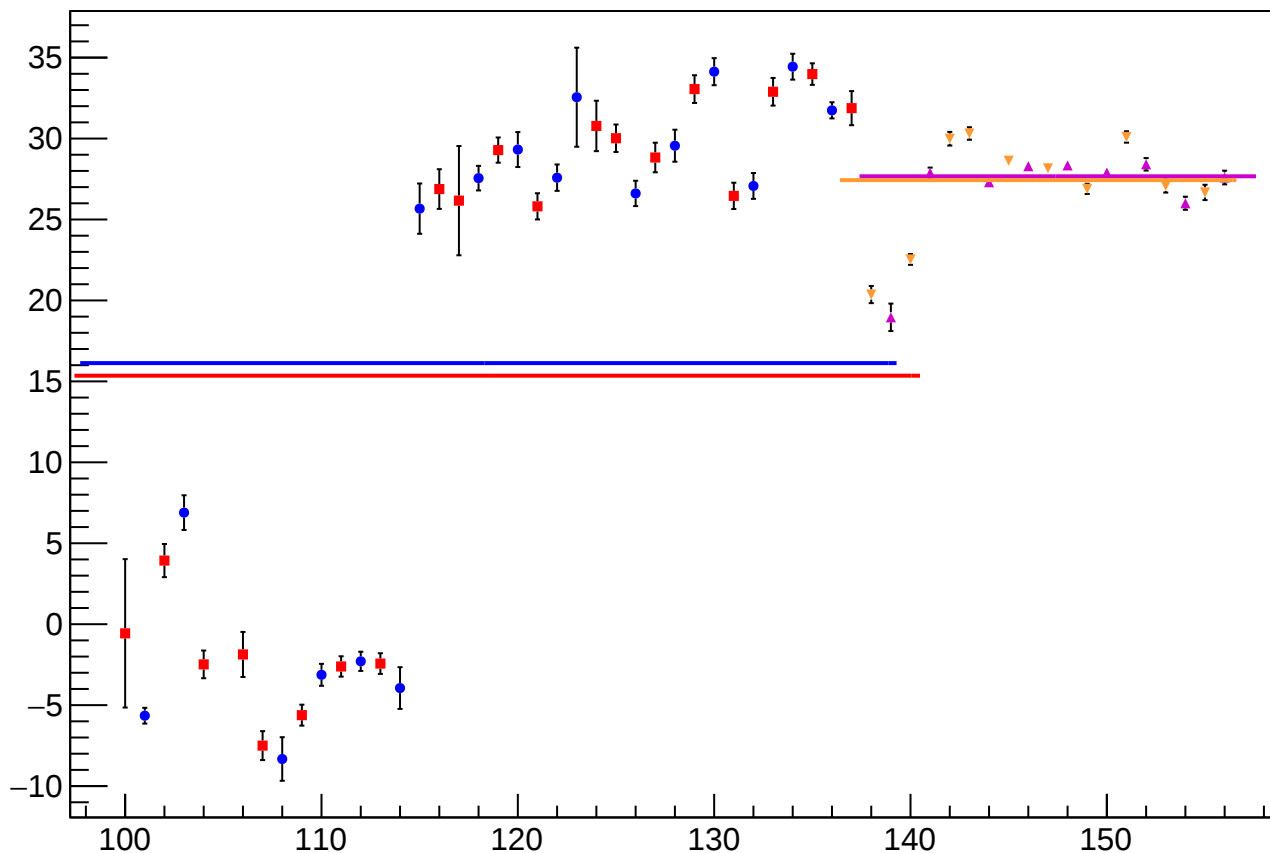
Right Out: -26.861 ± 0.297 χ^2/NDF : 585.2/19

Left In: -32.428 ± 0.132 χ^2/NDF : 1313.4/8

-31.011 ± 0.124 χ^2/NDF : 2116.4/26

-31.515 ± 0.120 χ^2/NDF : 2192.2/28

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129+/-0.192 χ^2 /NDF: 7572.5/16

Left Out: 27.431+/-0.113 χ^2 /NDF:574.0/9

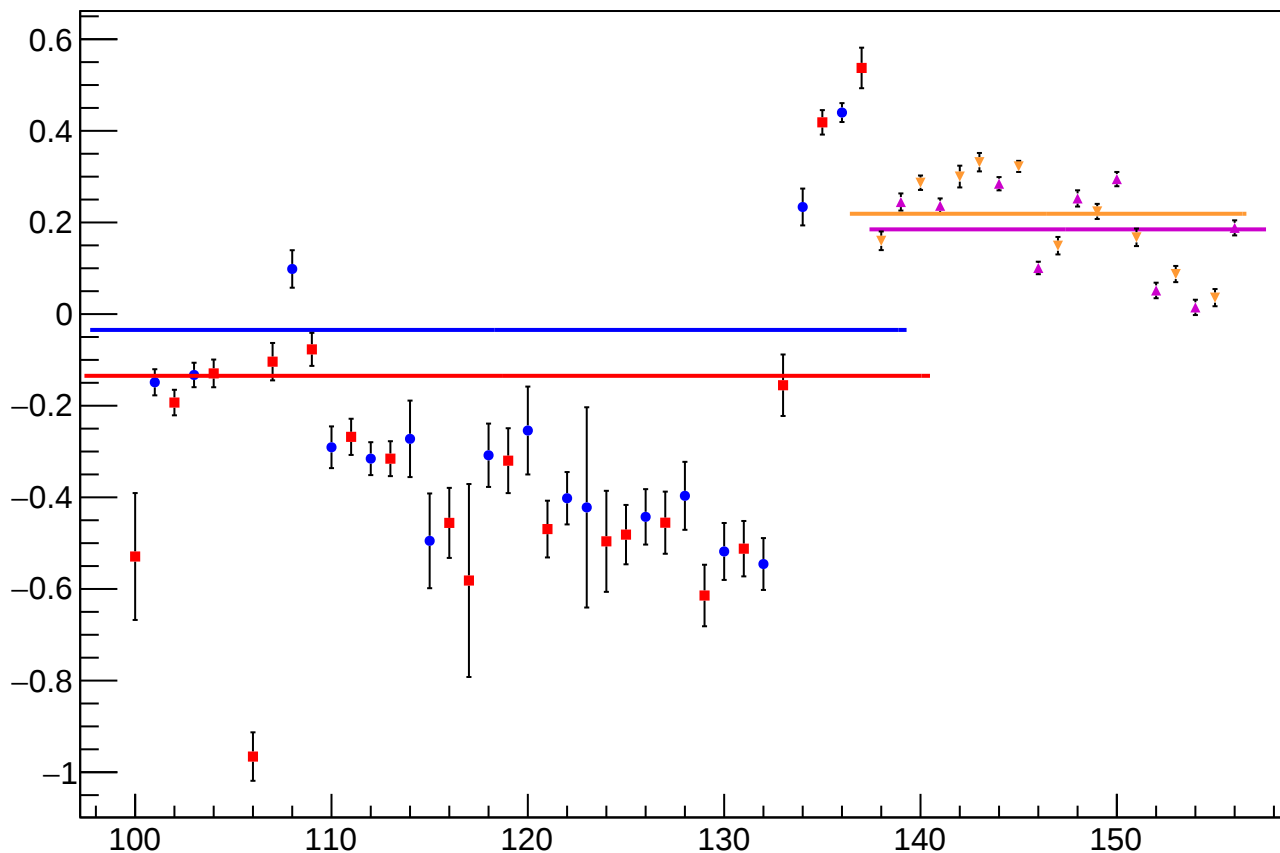
Right Out: 15.352+/-0.197 χ^2 /NDF: 7288.4/19

Left In: 27.668+/-0.110 χ^2 /NDF:140.8/8

24.537+/-0.097 χ^2 /NDF: 10722.7/26

24.736+/-0.096 χ^2 /NDF: 10416.8/28

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035+/-0.010 χ^2/NDF : 1011.6/16

Left Out: 0.219+/-0.006 χ^2/NDF : 313.8/9

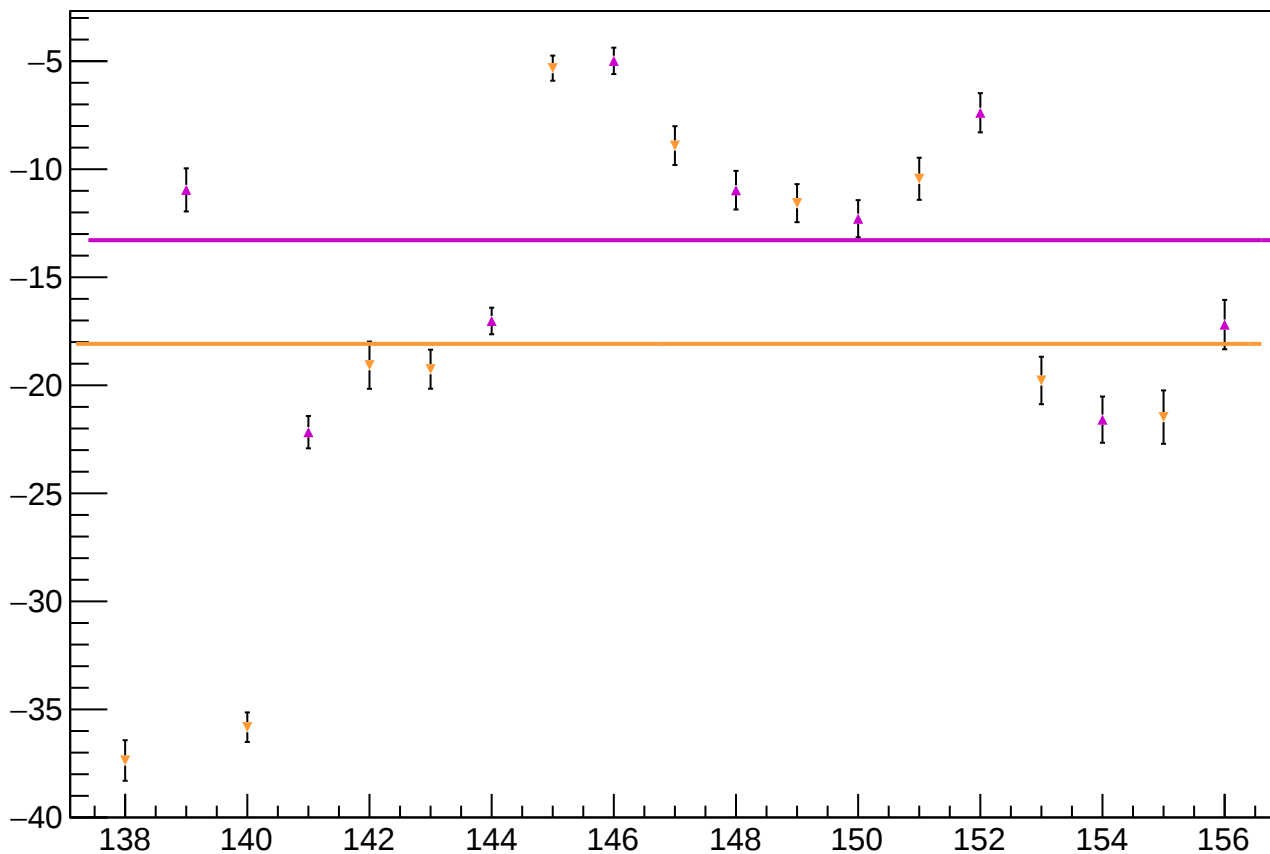
Right Out: -0.135+/-0.010 χ^2/NDF : 1166.4/19

Left In: 0.185+/-0.005 χ^2/NDF : 335.4/8

0.162+/-0.005 χ^2/NDF : 1793.5/26

0.118+/-0.005 χ^2/NDF : 2252.8/28

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

Left Out: -18.083+/-0.274 χ^2/NDF : 1807.0/9

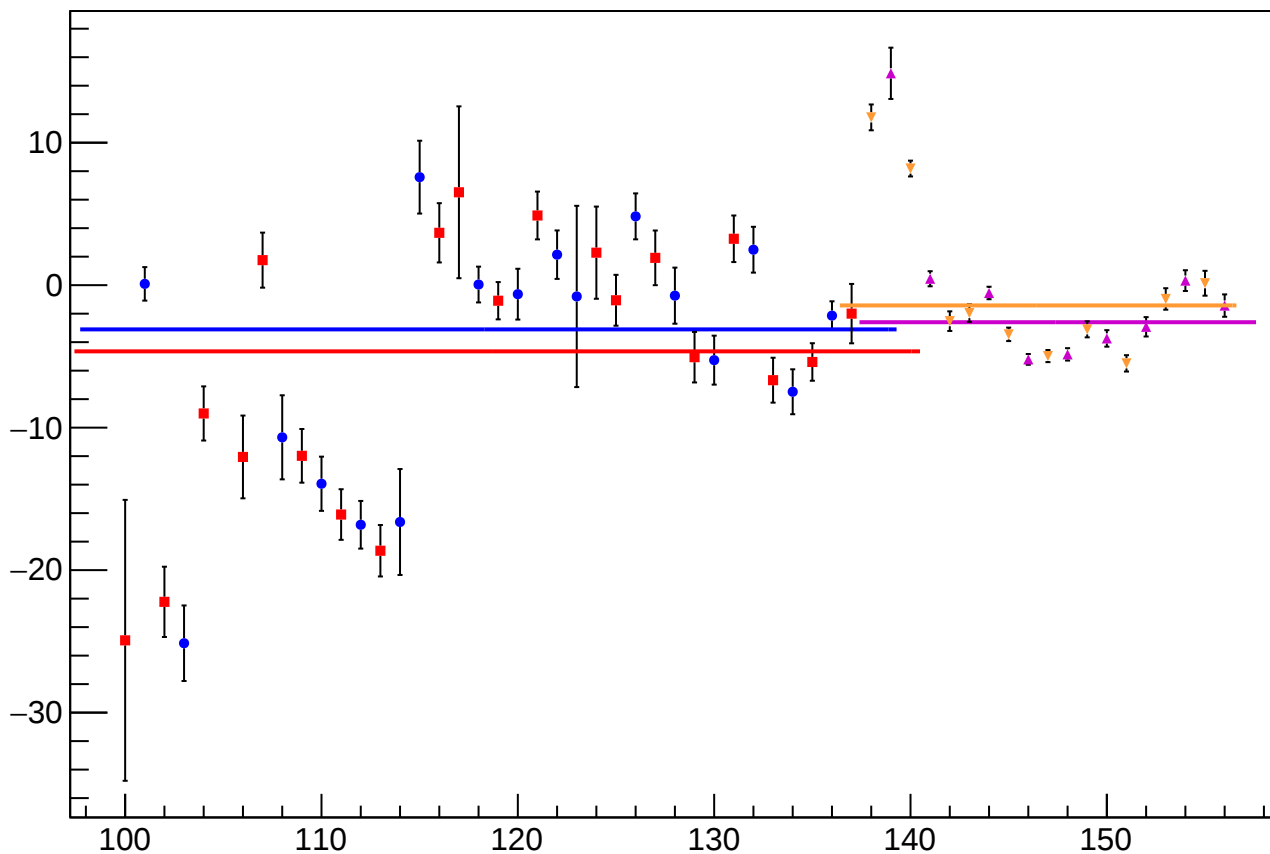
-18.083+/-0.274 χ^2/NDF : 1807.0/9

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

Left In: -13.284+/-0.271 χ^2/NDF : 490.4/8

-13.284+/-0.271 χ^2/NDF : 490.4/8

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: -1.422 ± 0.187 χ^2/NDF : 665.3/9

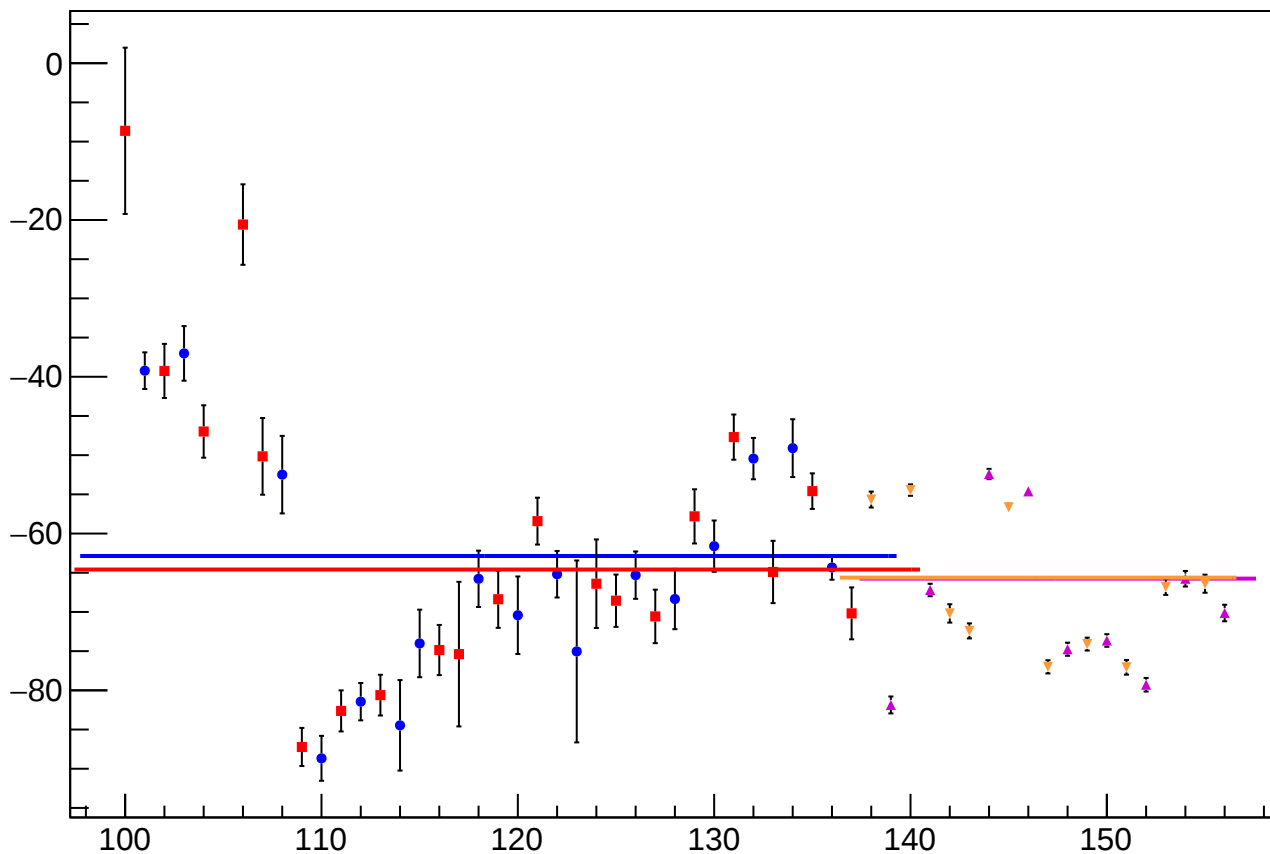
Right Out: -4.645 ± 0.425 χ^2/NDF : 301.1/19

Left In: -2.600 ± 0.183 χ^2/NDF : 246.2/8

-1.711 ± 0.171 χ^2/NDF : 958.3/26

-2.918 ± 0.168 χ^2/NDF : 566.8/28

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -65.623 ± 0.277 χ^2/NDF : 1049.6/9

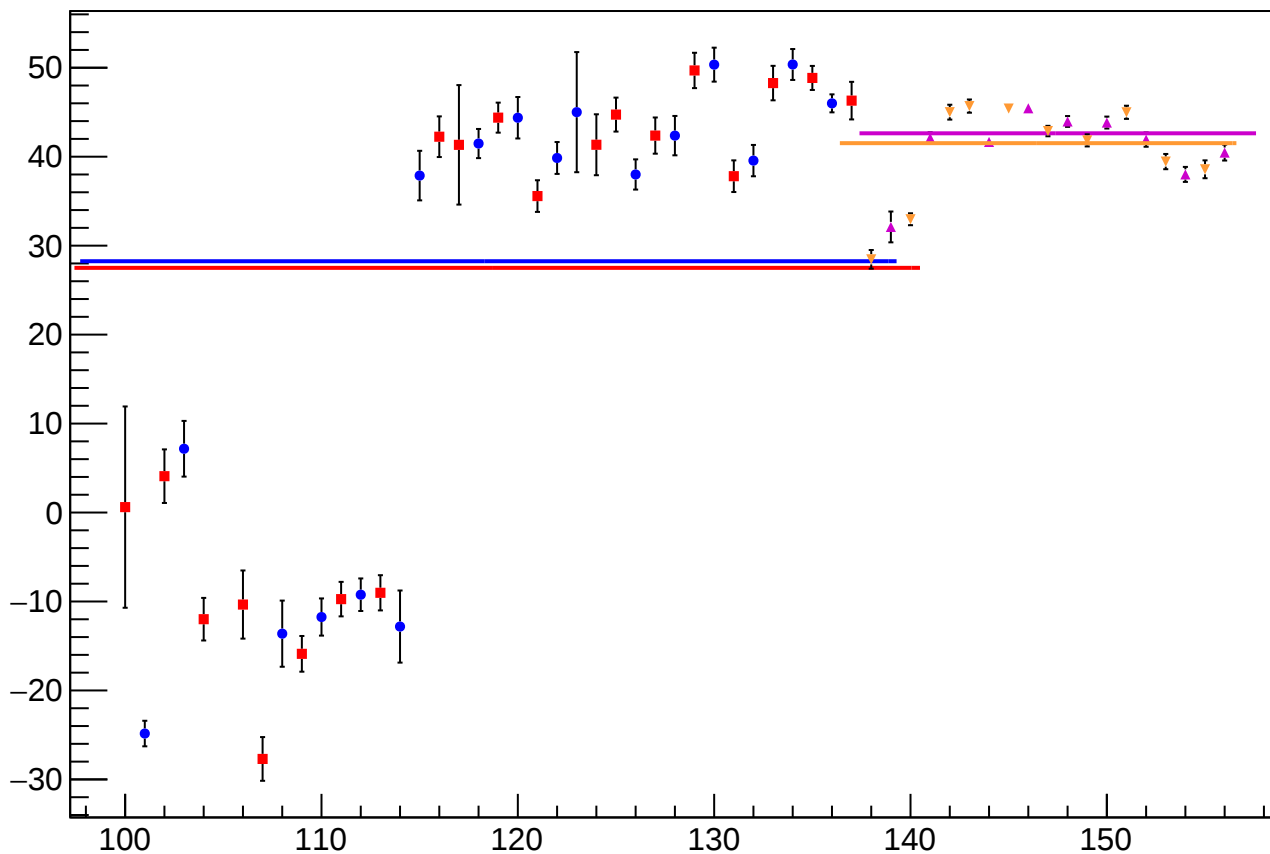
Right Out: -64.588 ± 0.749 χ^2/NDF : 445.6/19

Left In: -65.747 ± 0.269 χ^2/NDF : 1468.6/8

-65.284 ± 0.259 χ^2/NDF : 1430.5/26

-65.615 ± 0.253 χ^2/NDF : 1916.3/28

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.250+/-0.460 χ^2 /NDF: 3319.5/16

Left Out: 41.521+/-0.230 χ^2 /NDF:459.1/9

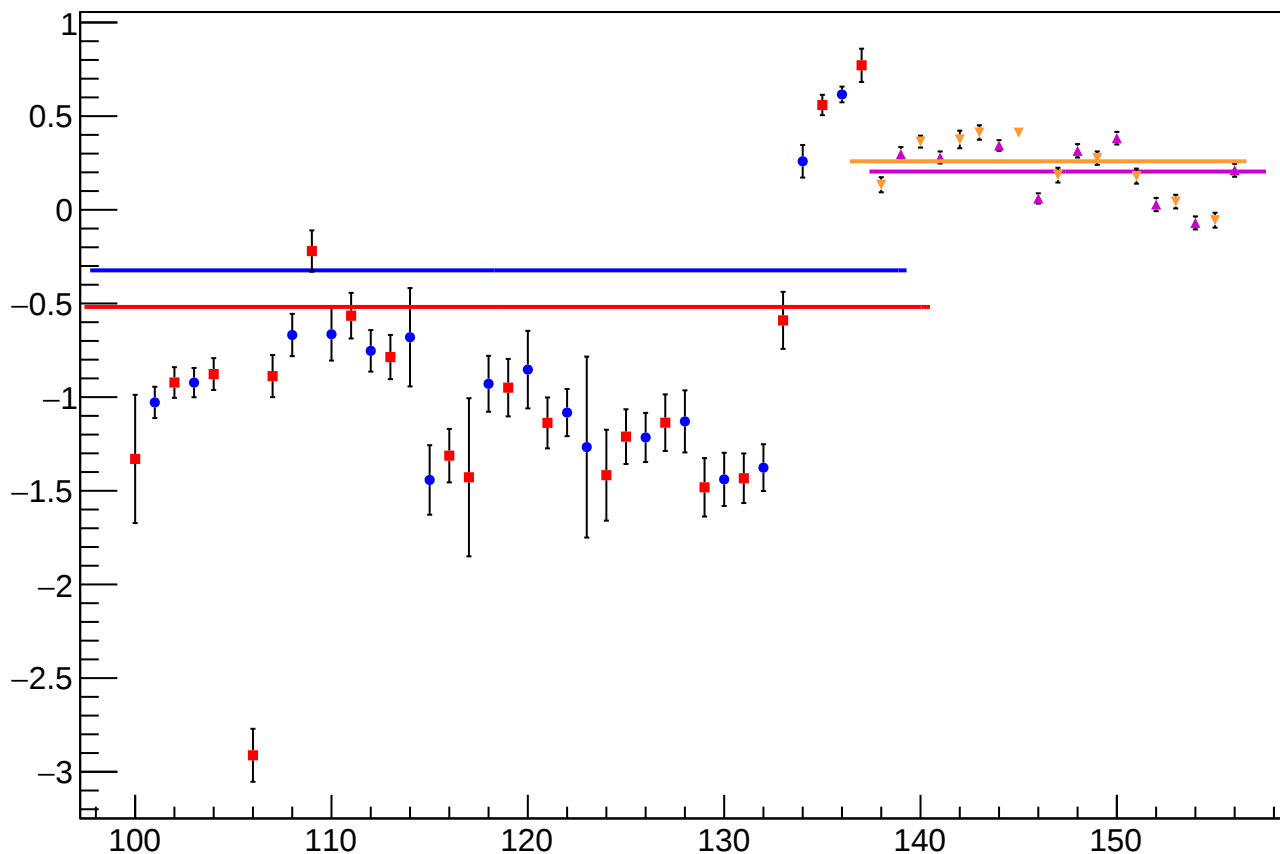
Right Out: 27.505+/-0.478 χ^2 /NDF: 3036.7/19

Left In: 42.629+/-0.224 χ^2 /NDF:120.6/8

38.876+/-0.205 χ^2 /NDF: 4444.8/26

39.912+/-0.202 χ^2 /NDF: 3980.0/28

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.259 ± 0.011 χ^2/NDF : 187.0/9

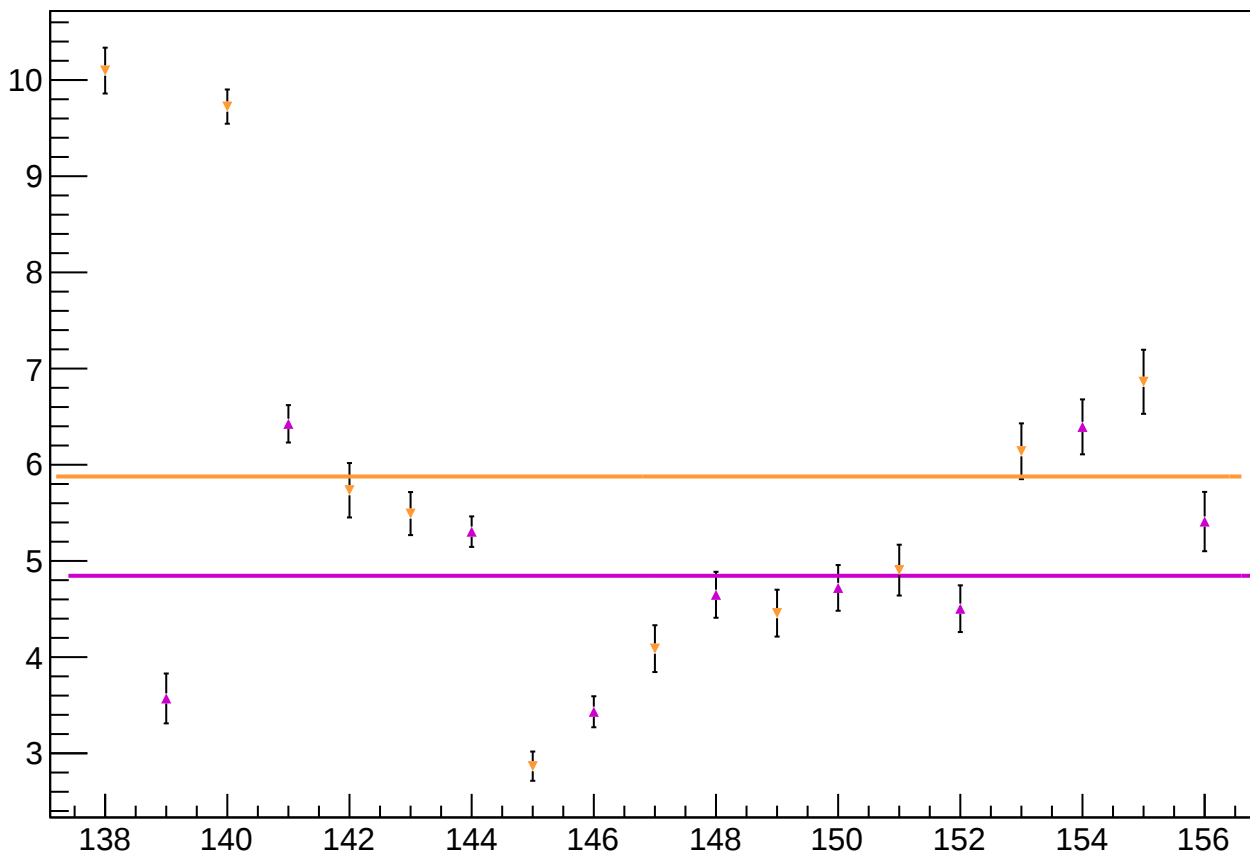
Right Out: -0.518 ± 0.026 χ^2/NDF : 1165.5/19

Left In: 0.204 ± 0.011 χ^2/NDF : 186.6/8

0.160 ± 0.010 χ^2/NDF : 1649.8/26

0.093 ± 0.010 χ^2/NDF : 2020.5/28

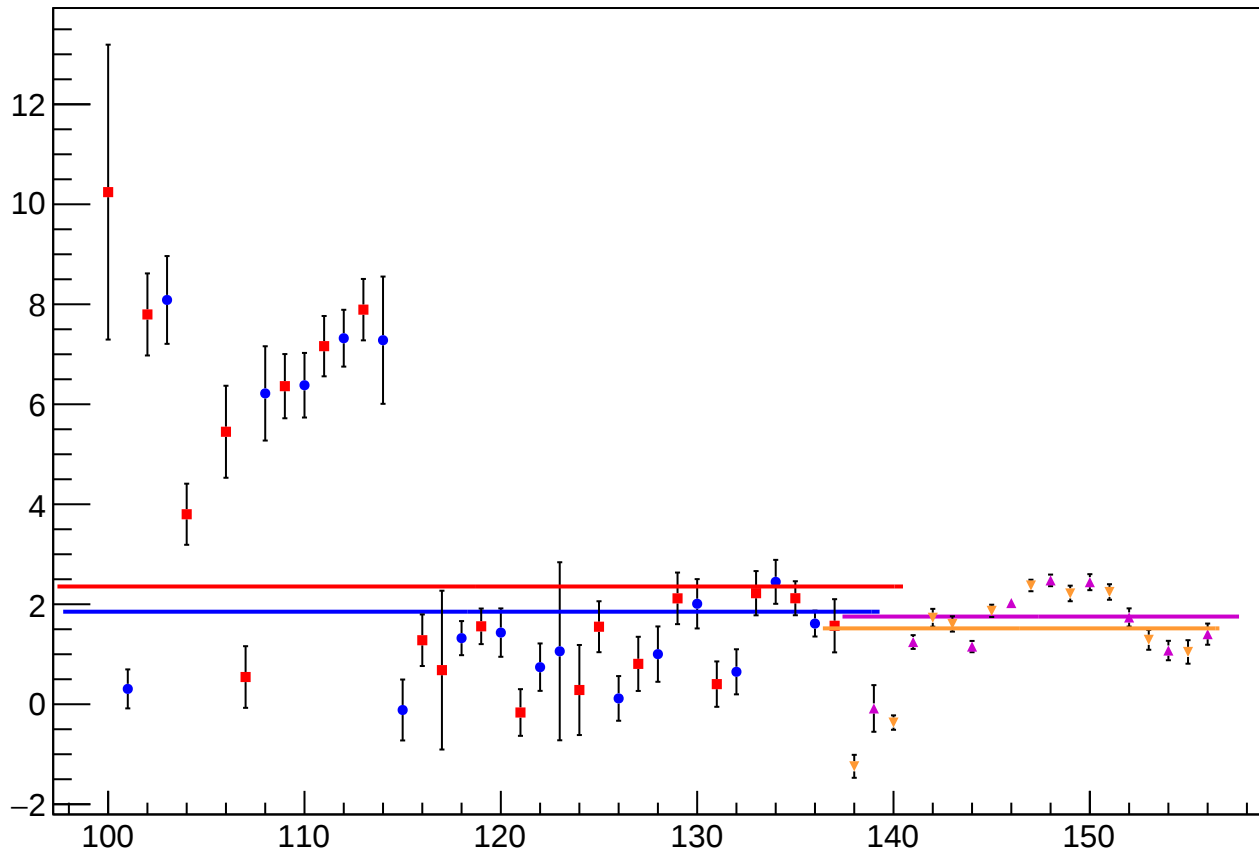
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.878+/-0.072 χ^2/NDF :1286.5/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.846+/-0.072 χ^2/NDF :211.3/8

5.878+/-0.072 χ^2/NDF : 1286.5/9
 4.846+/-0.072 χ^2/NDF : 211.3/8

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: 1.518 ± 0.049 χ^2/NDF : 427.7/9

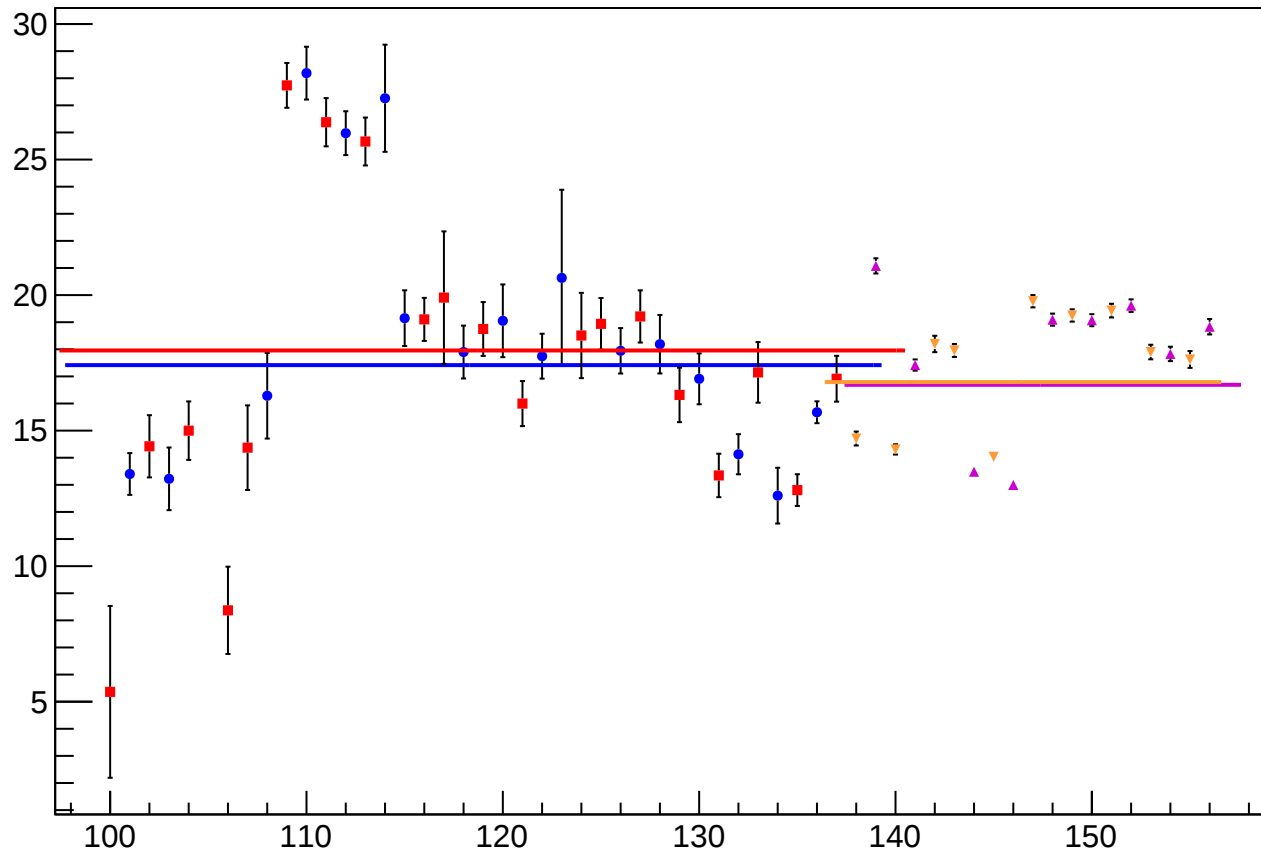
Right Out: 2.355 ± 0.122 χ^2/NDF : 337.4/19

Left In: 1.754 ± 0.048 χ^2/NDF : 137.4/8

1.568 ± 0.046 χ^2/NDF : 728.7/26

1.834 ± 0.045 χ^2/NDF : 495.7/28

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 16.791 $\pm$ 0.073 χ^2 /NDF: 994.5/9

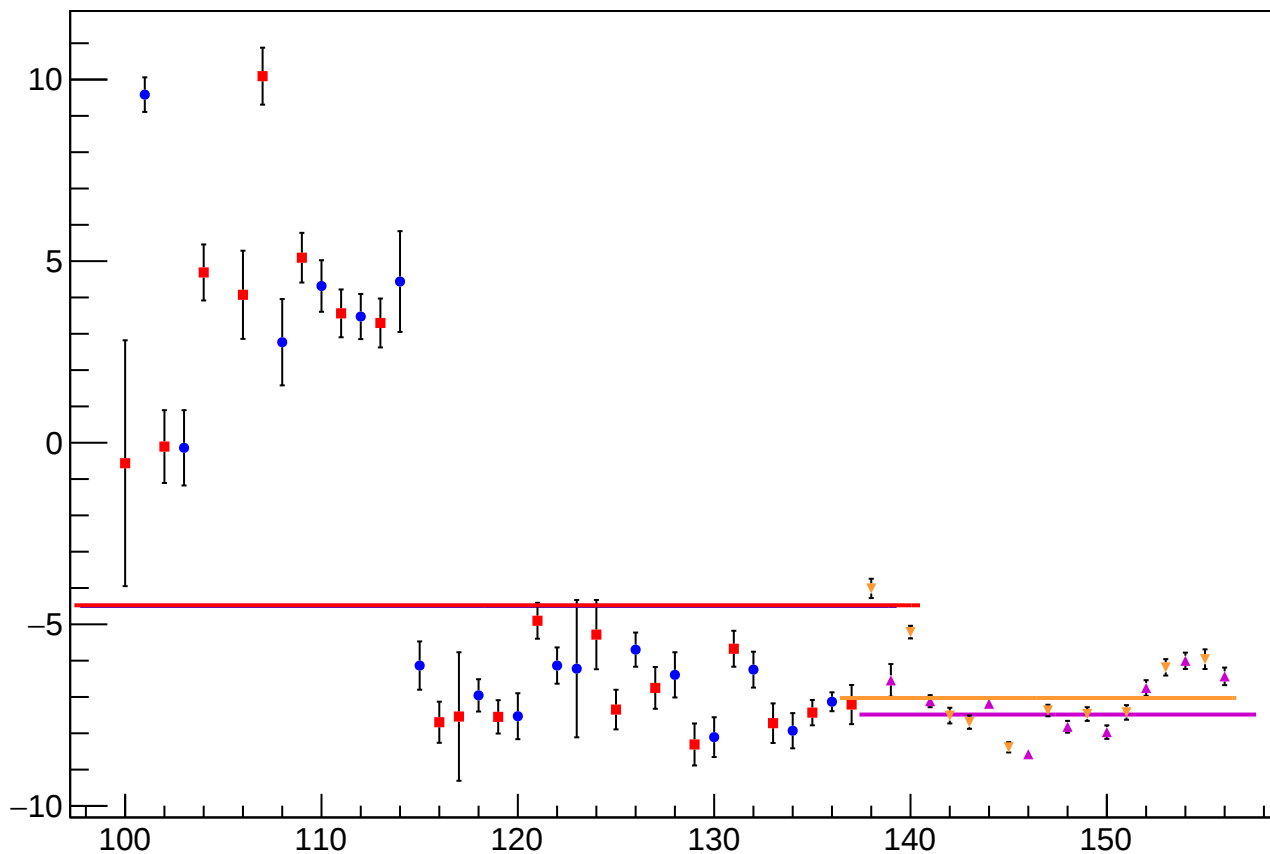
Right Out: 17.957 $\pm$ 0.218 χ^2 /NDF: 506.2/19

Left In: 16.690 $\pm$ 0.071 χ^2 /NDF: 1646.7/8

16.857 $\pm$ 0.069 χ^2 /NDF: 1369.3/26

16.812 $\pm$ 0.068 χ^2 /NDF: 2183.3/28

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.491 ± 0.130 χ^2/NDF : 1585.4/16

Left Out: -7.028 ± 0.061 χ^2/NDF : 390.3/9

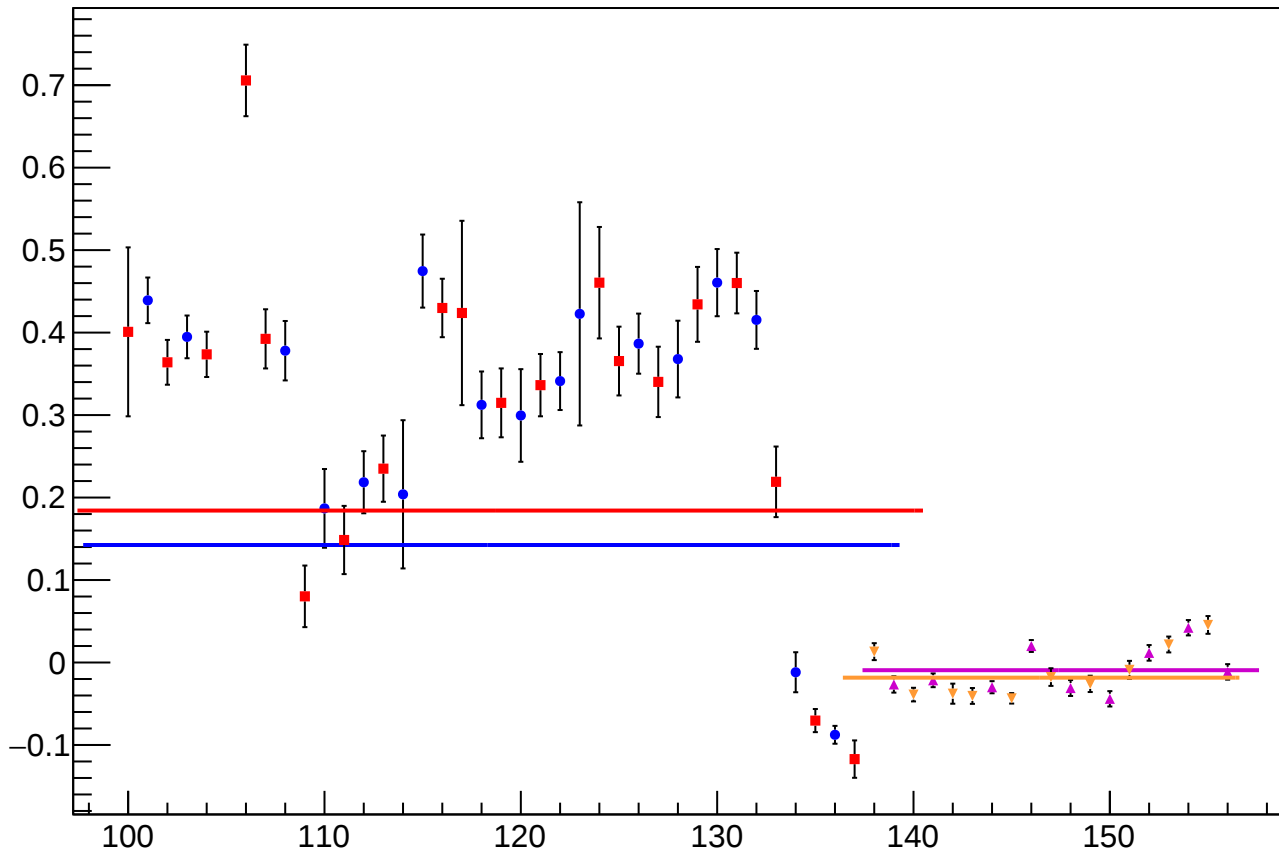
Right Out: -4.476 ± 0.137 χ^2/NDF : 1342.0/19

Left In: -7.484 ± 0.059 χ^2/NDF : 176.5/8

-6.578 ± 0.055 χ^2/NDF : 2286.8/26

-7.011 ± 0.054 χ^2/NDF : 1927.0/28

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: -0.018 ± 0.003 $\chi^2/\text{NDF}: 93.2/9$

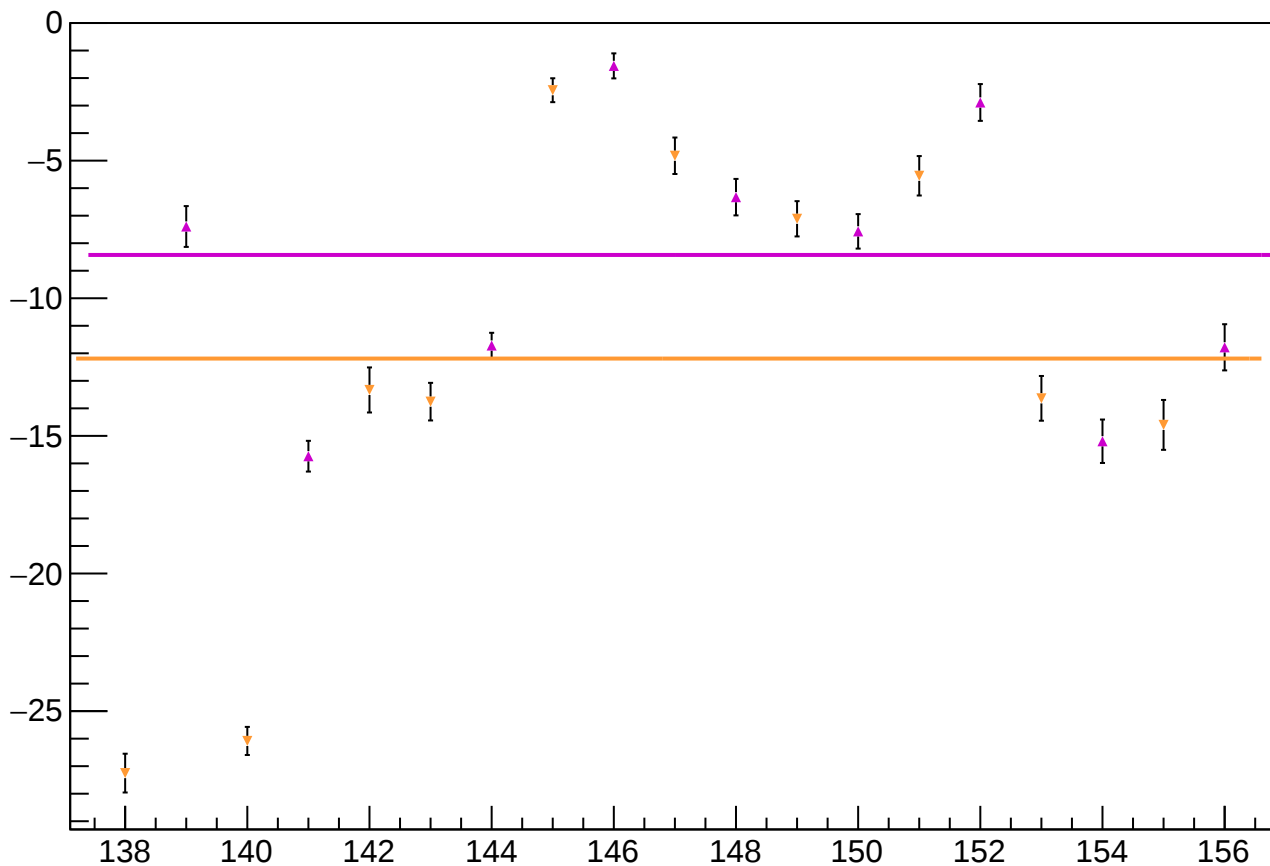
Right Out: 0.184 ± 0.007 $\chi^2/\text{NDF}: 1005.5/19$

Left In: -0.009 ± 0.003 $\chi^2/\text{NDF}: 84.1/8$

0.006 ± 0.003 $\chi^2/\text{NDF}: 1592.0/26$

0.017 ± 0.003 $\chi^2/\text{NDF}: 1683.5/28$

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

Left Out: -12.191 $\pm$ 0.203 χ^2 /NDF:1991.3/9

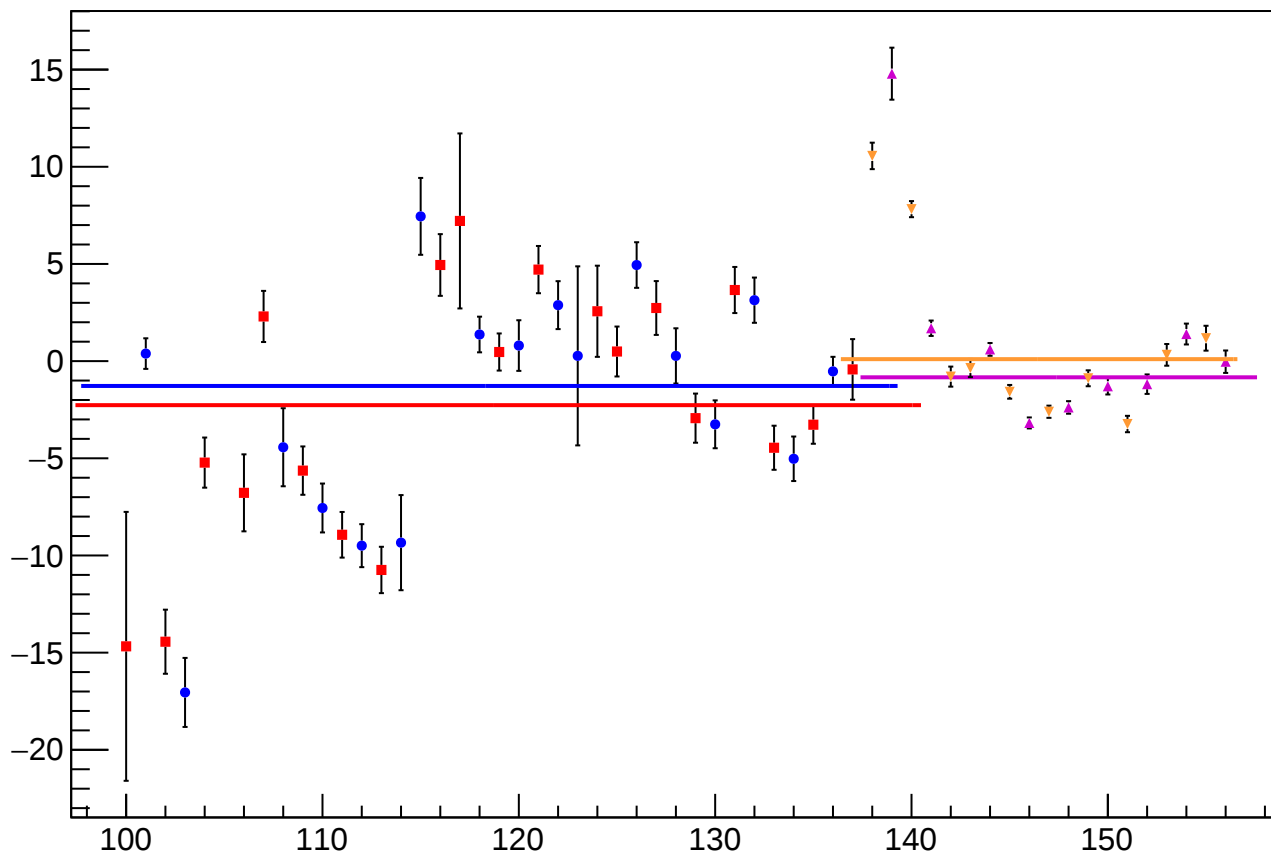
-12.191 $\pm$ 0.203 χ^2 /NDF: 1991.3/9

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

-8.426 $\pm$ 0.201 χ^2 /NDF: 622.7/8

Left In: -8.426 $\pm$ 0.201 χ^2 /NDF:622.7/8

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278+/-0.292 χ^2/NDF : 276.5/16

Left Out: 0.102+/-0.139 χ^2/NDF : 755.1/9

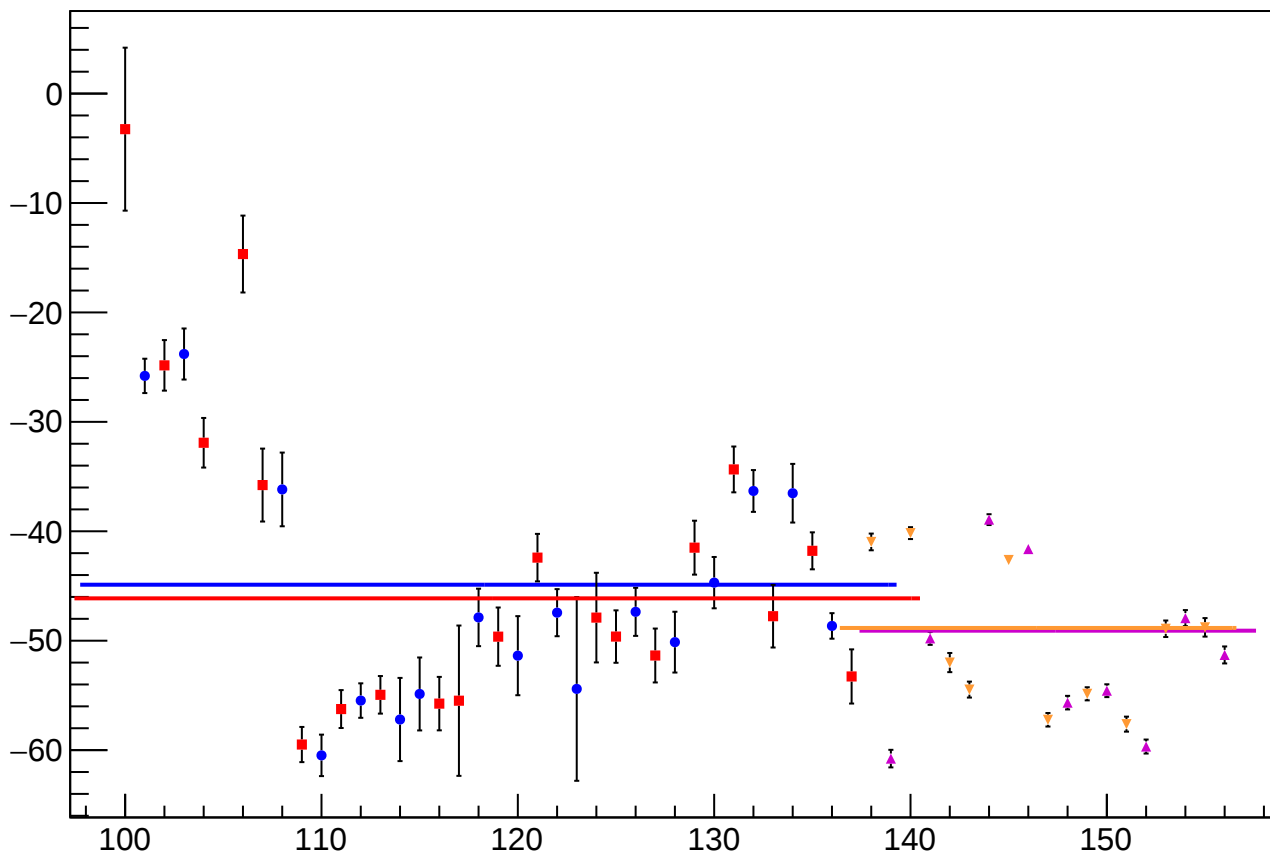
Right Out: -2.266+/-0.302 χ^2/NDF : 289.8/19

Left In: -0.833+/-0.136 χ^2/NDF : 308.8/8

-0.153+/-0.126 χ^2/NDF : 1049.8/26

-1.074+/-0.124 χ^2/NDF : 617.3/28

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 ± 0.524 $\chi^2/\text{NDF}: 421.0/16$

Left Out: -48.836 ± 0.205 $\chi^2/\text{NDF}: 1064.1/9$

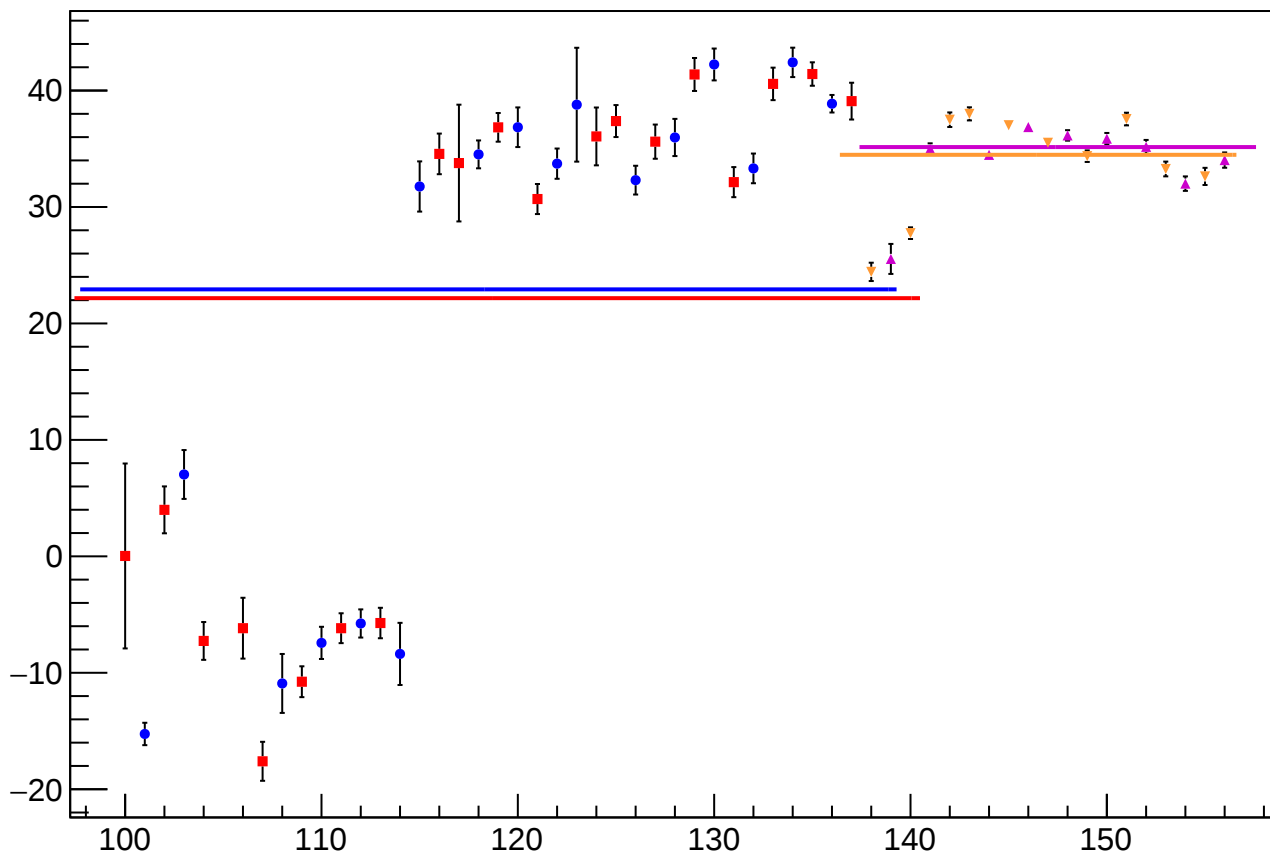
Right Out: -46.130 ± 0.527 $\chi^2/\text{NDF}: 456.1/19$

Left In: -49.084 ± 0.199 $\chi^2/\text{NDF}: 1410.5/8$

-48.310 ± 0.191 $\chi^2/\text{NDF}: 1534.3/26$

-48.715 ± 0.186 $\chi^2/\text{NDF}: 1894.1/28$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.926+/-0.328 χ^2 /NDF: 4330.2/16

Left Out: 34.481+/-0.170 χ^2 /NDF:492.3/9

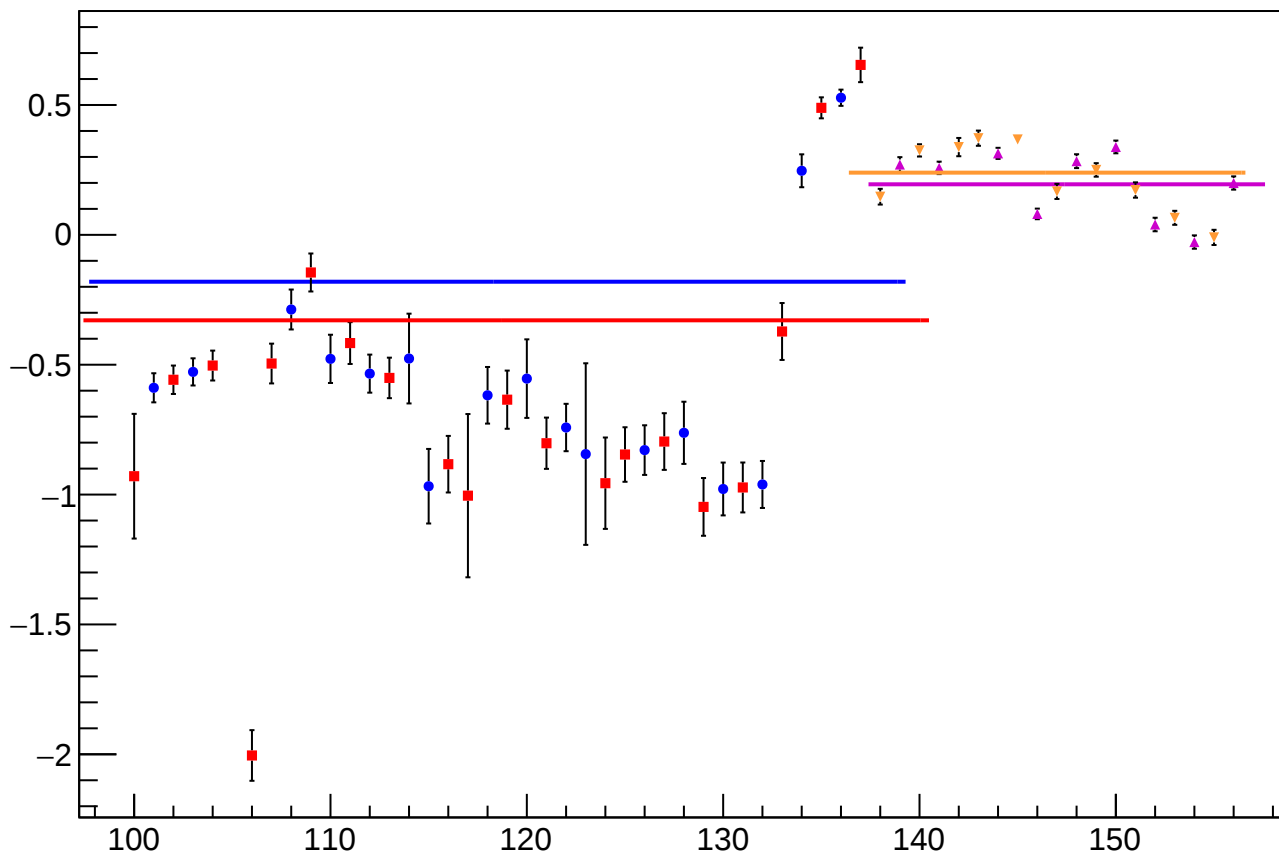
Right Out: 22.170+/-0.339 χ^2 /NDF: 4038.8/19

Left In: 35.146+/-0.166 χ^2 /NDF:117.5/8

32.026+/-0.151 χ^2 /NDF: 5799.5/26

32.639+/-0.149 χ^2 /NDF: 5337.0/28

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.240 ± 0.008 χ^2/NDF : 226.6/9

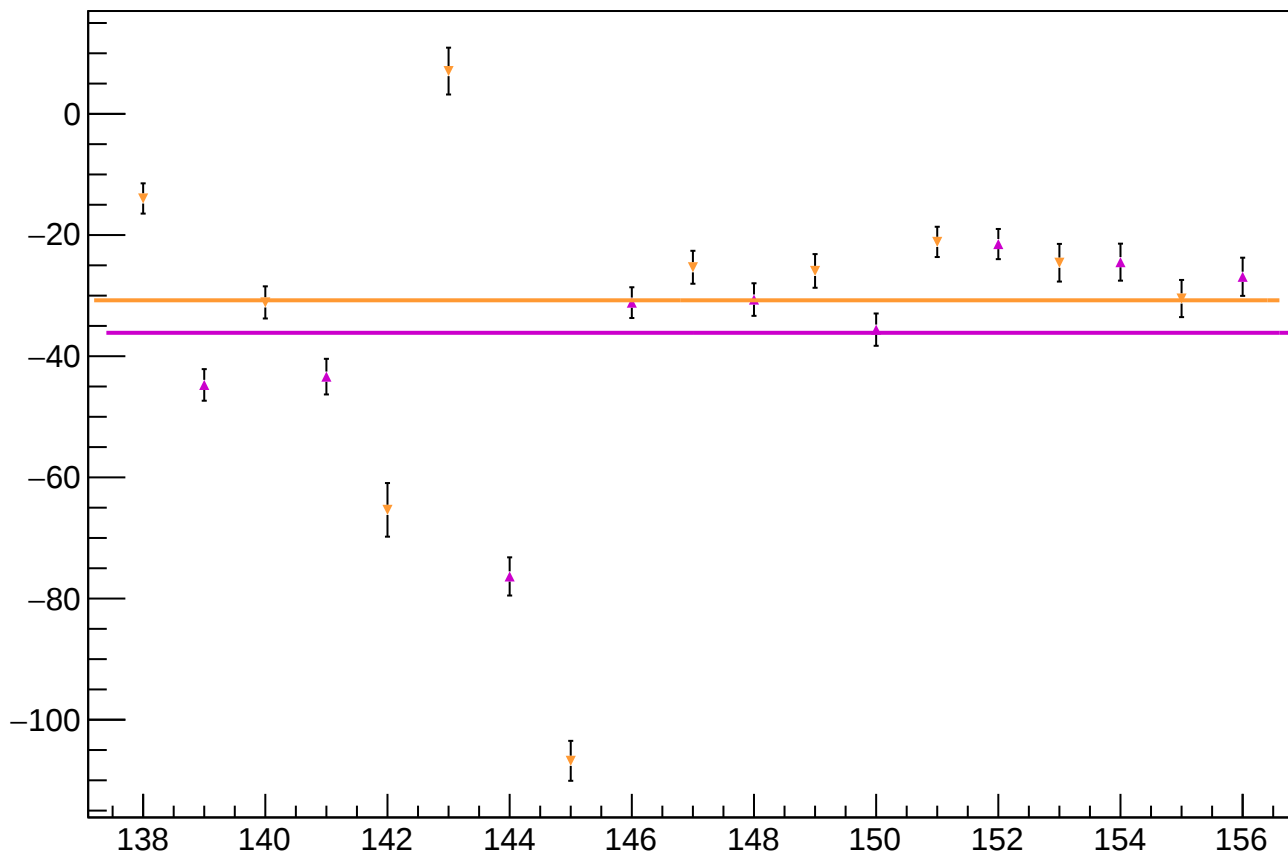
Right Out: -0.329 ± 0.018 χ^2/NDF : 1180.2/19

Left In: 0.195 ± 0.008 χ^2/NDF : 231.9/8

0.163 ± 0.008 χ^2/NDF : 1679.4/26

0.107 ± 0.007 χ^2/NDF : 2104.4/28

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -30.772+/-0.934 χ^2/NDF : 759.9/9

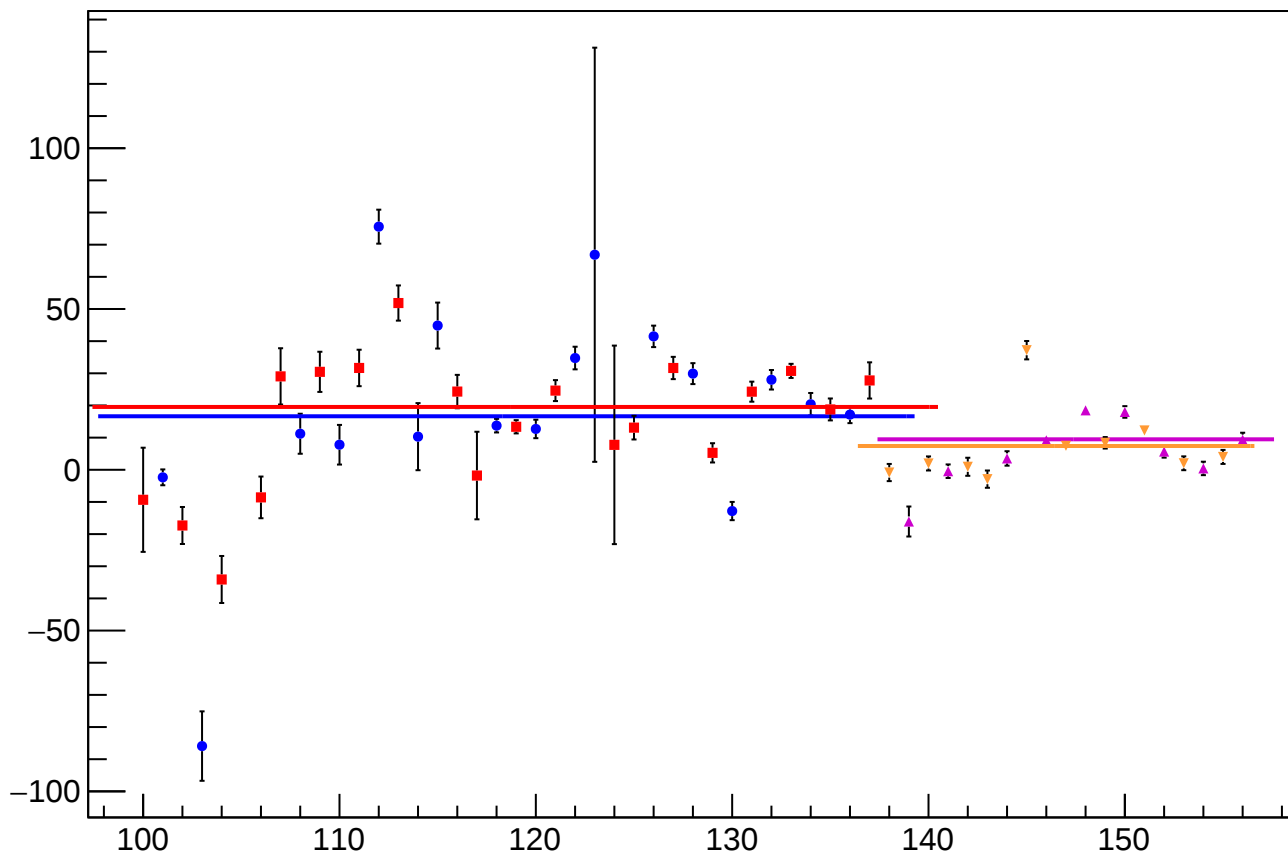
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -36.136+/-0.926 χ^2/NDF : 245.5/8

-30.772+/-0.934 χ^2/NDF : 759.9/9

-36.136+/-0.926 χ^2/NDF : 245.5/8

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 ± 0.859 χ^2/NDF : 518.9/16

Left Out: 7.394 ± 0.623 χ^2/NDF : 165.1/9

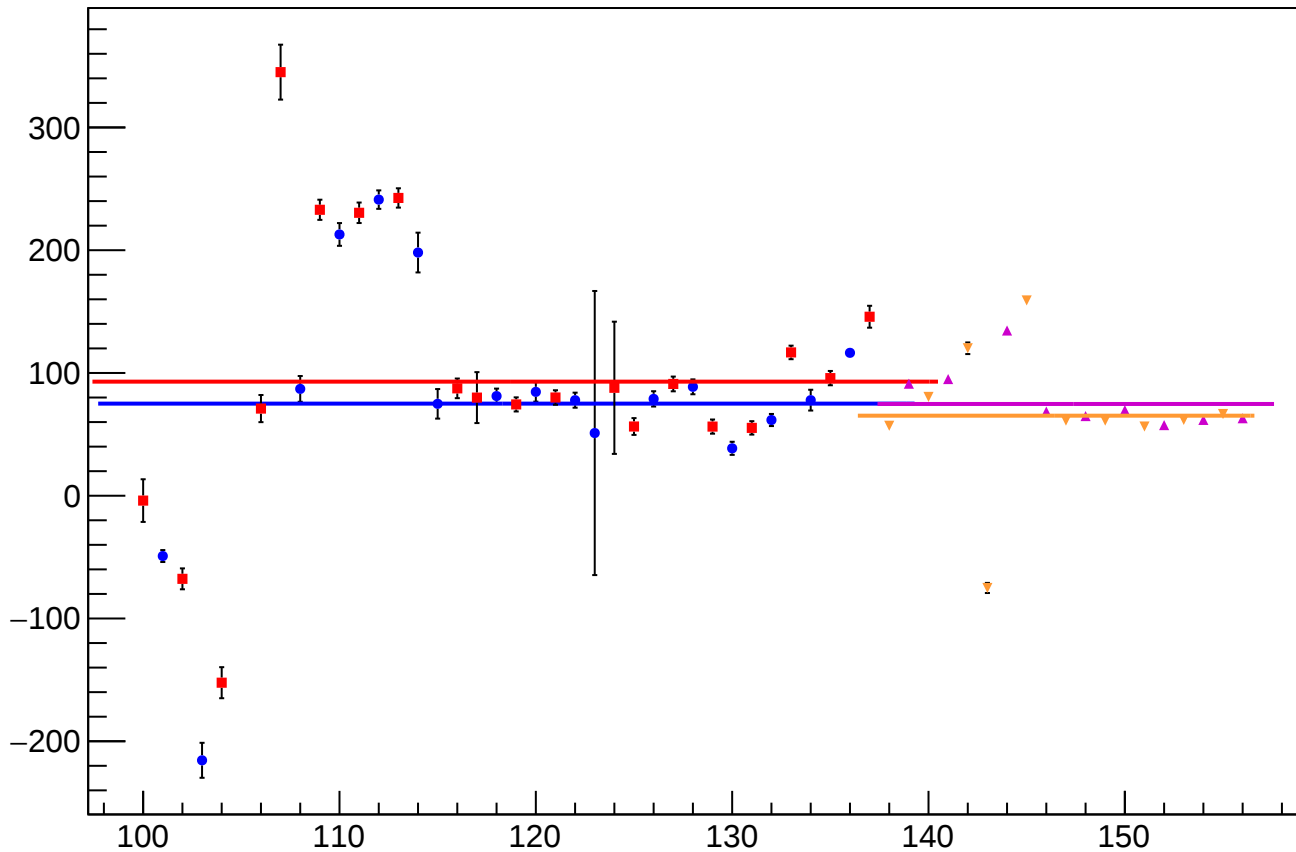
Right Out: 19.540 ± 0.894 χ^2/NDF : 244.1/19

Left In: 9.475 ± 0.628 χ^2/NDF : 151.8/8

10.583 ± 0.504 χ^2/NDF : 759.9/26

12.797 ± 0.514 χ^2/NDF : 480.7/28

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 65.210 $\pm$ 0.924 χ^2 /NDF: 2102.0/9

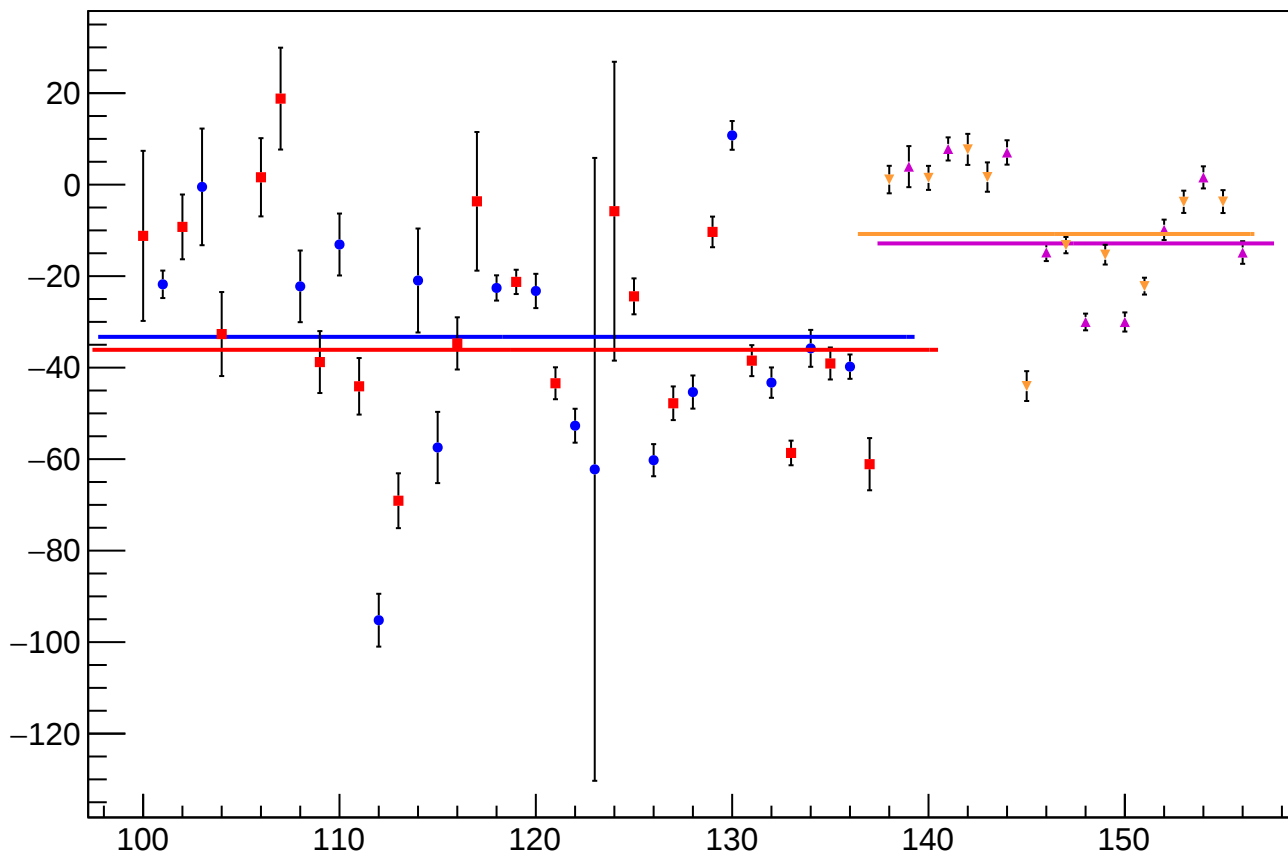
Right Out: 92.940 $\pm$ 1.706 χ^2 /NDF: 2004.0/19

Left In: 74.748 $\pm$ 0.905 χ^2 /NDF: 506.1/8

67.564 $\pm$ 0.806 χ^2 /NDF: 4128.7/26

78.746 $\pm$ 0.800 χ^2 /NDF: 2598.9/28

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 $\chi^2/\text{NDF}: 489.4/16$

Left Out: -10.784 ± 0.770 $\chi^2/\text{NDF}: 247.0/9$

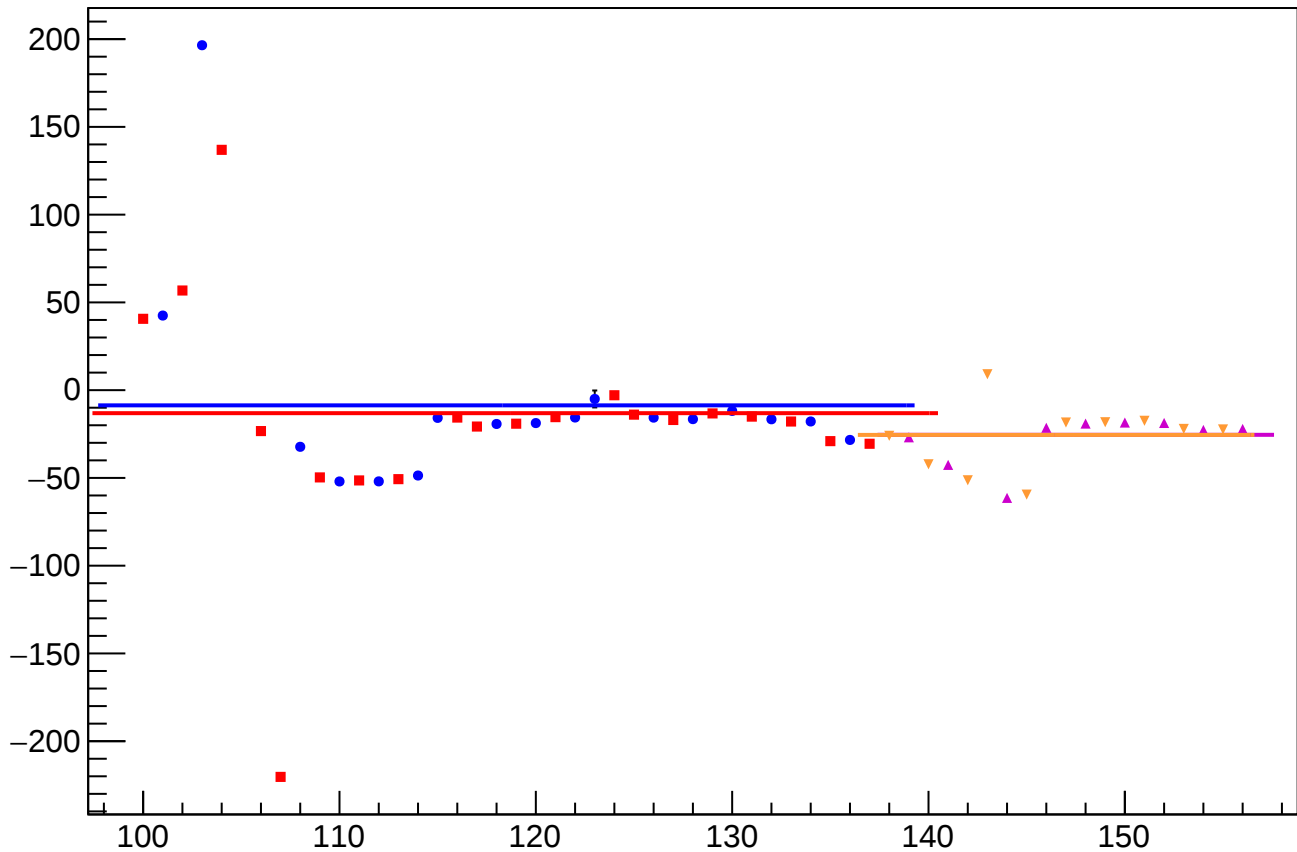
Right Out: -36.103 ± 1.022 $\chi^2/\text{NDF}: 302.3/19$

Left In: -12.850 ± 0.770 $\chi^2/\text{NDF}: 331.2/8$

-19.344 ± 0.606 $\chi^2/\text{NDF}: 1061.2/26$

-21.267 ± 0.615 $\chi^2/\text{NDF}: 964.0/28$

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -25.493 ± 0.037 $\chi^2/\text{NDF}: 160000.5/9$

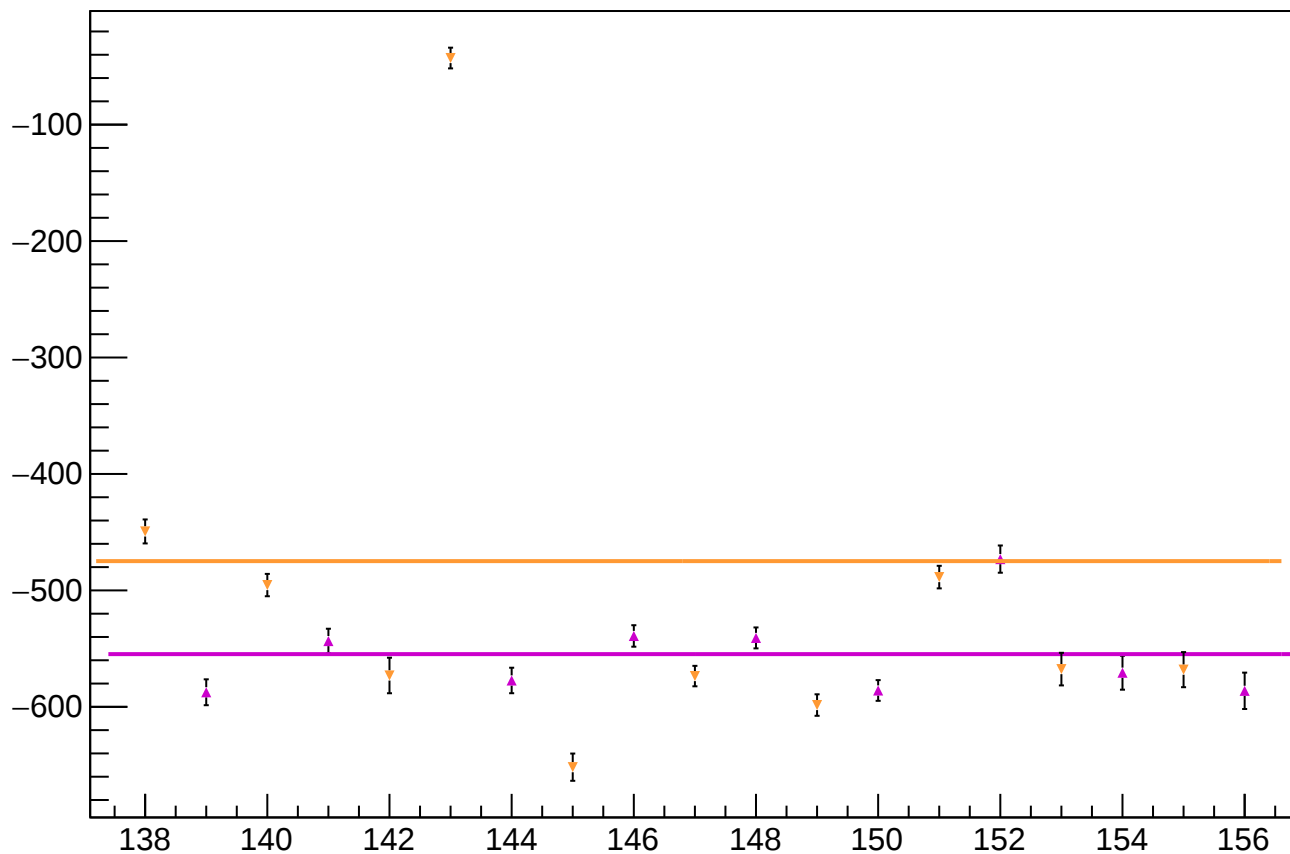
Right Out: -13.109 ± 0.062 $\chi^2/\text{NDF}: 558383.6/19$

Left In: -25.445 ± 0.036 $\chi^2/\text{NDF}: 93931.5/8$

-20.676 ± 0.032 $\chi^2/\text{NDF}: 793708.2/26$

-22.346 ± 0.031 $\chi^2/\text{NDF}: 682248.5/28$

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

Left Out: -474.854+/-3.345 χ^2/NDF : 3027.5/9

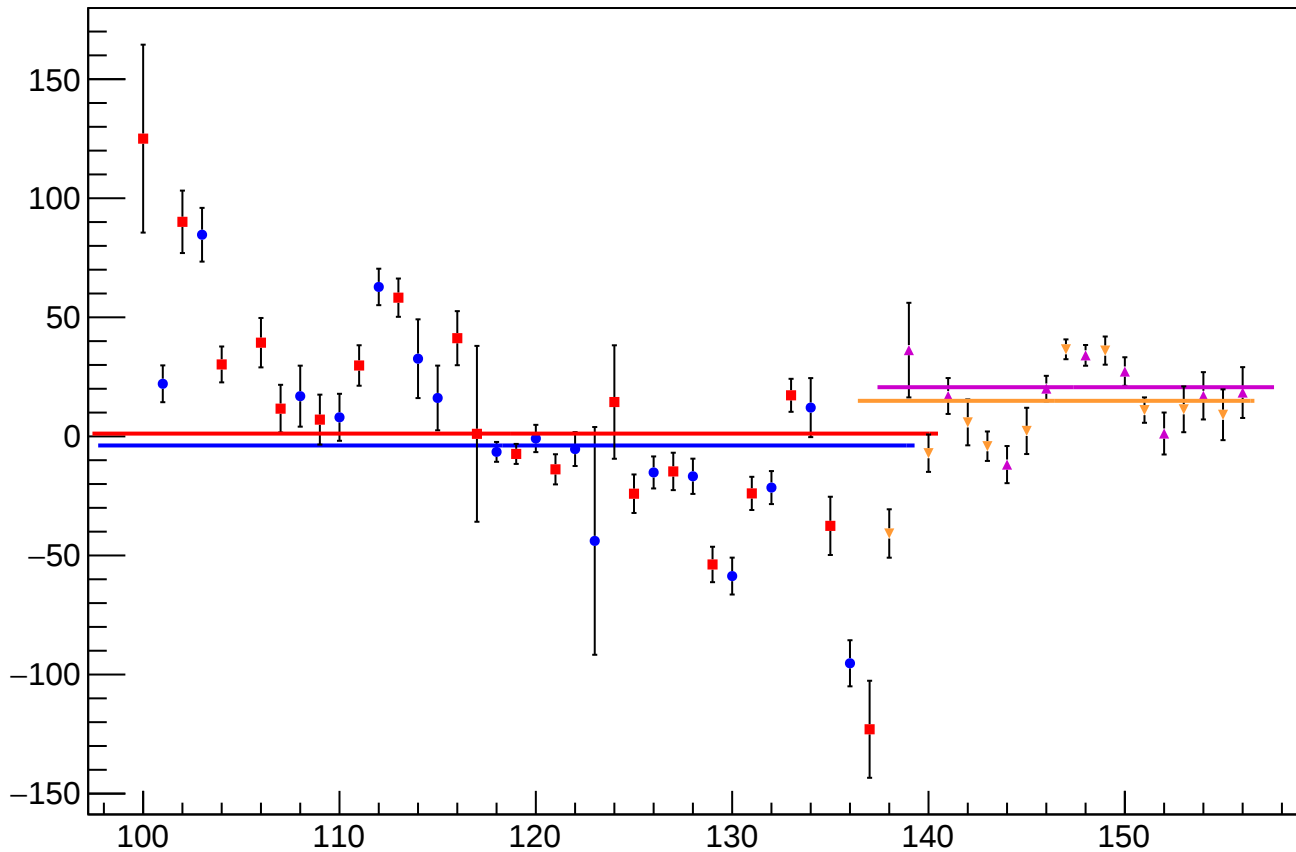
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -554.721+/-3.574 χ^2/NDF : 85.6/8

-474.854+/-3.345 χ^2/NDF : 3027.5/9

-554.721+/-3.574 χ^2/NDF : 85.6/8

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 $\chi^2/\text{NDF}: 314.3/16$

Left Out: 14.936 ± 2.159 $\chi^2/\text{NDF}: 90.7/9$

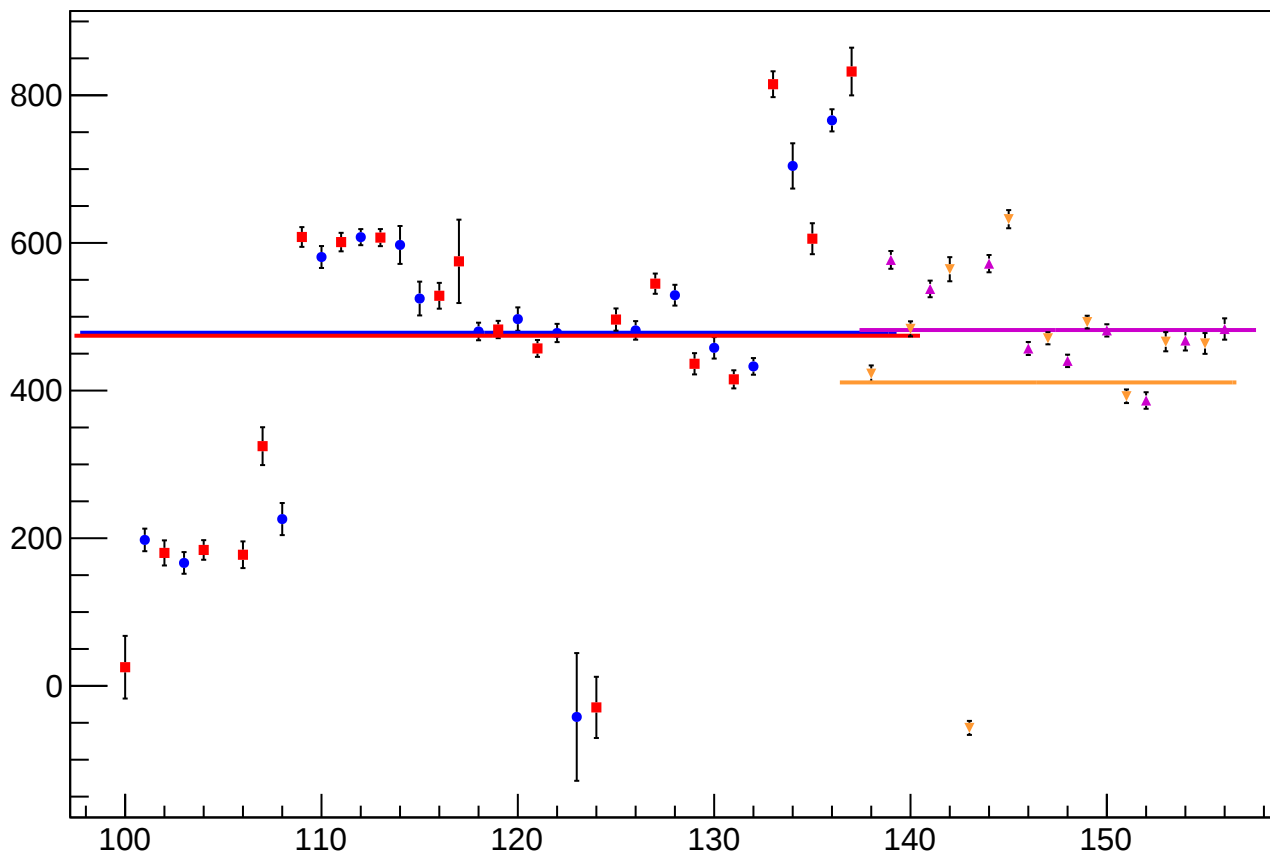
Right Out: 1.175 ± 1.911 $\chi^2/\text{NDF}: 303.9/19$

Left In: 20.659 ± 2.333 $\chi^2/\text{NDF}: 33.9/8$

4.479 ± 1.436 $\chi^2/\text{NDF}: 447.0/26$

9.002 ± 1.478 $\chi^2/\text{NDF}: 379.5/28$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334+/-3.662 χ^2/NDF : 1628.8/16

Left Out: 411.028+/-3.333 χ^2/NDF : 3068.1/9

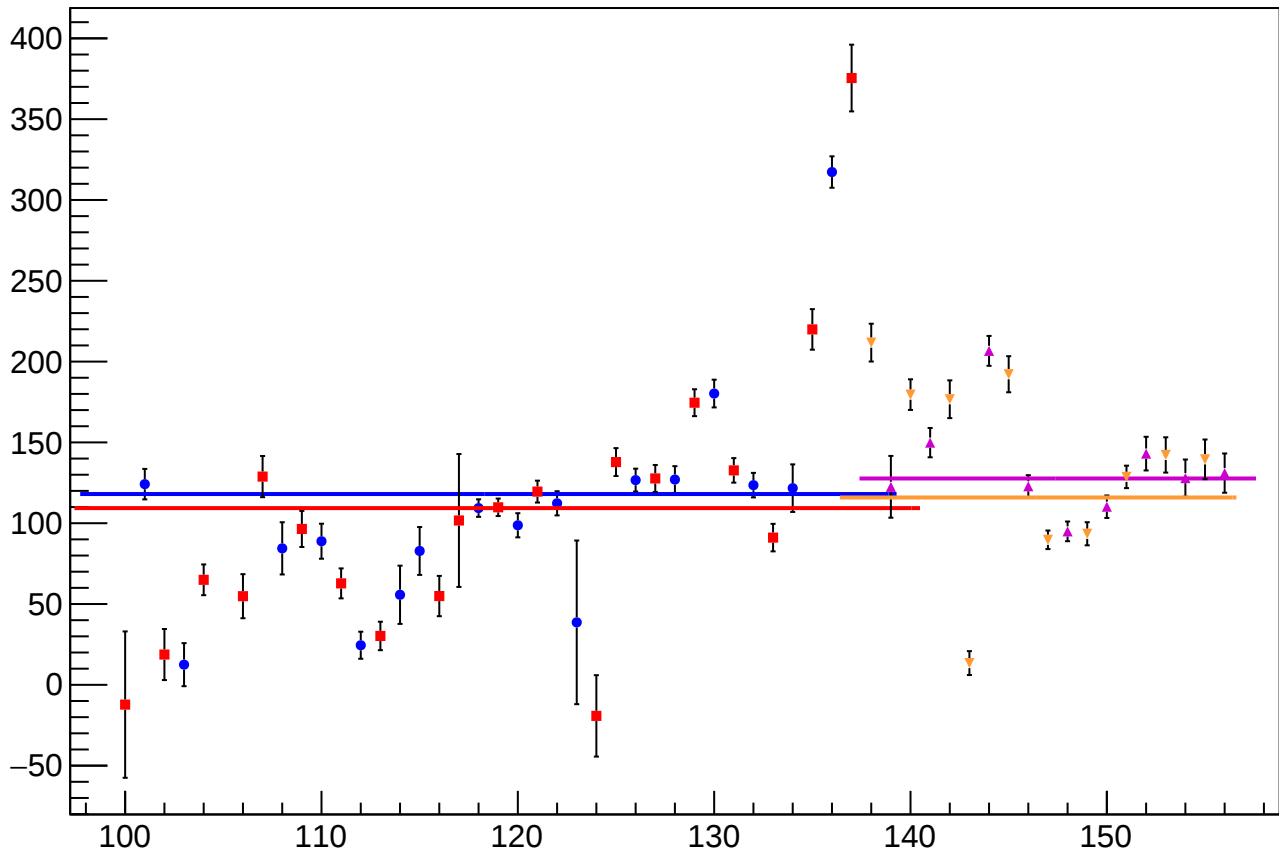
Right Out: 474.296+/-3.524 χ^2/NDF : 2288.2/19

Left In: 482.020+/-3.498 χ^2/NDF : 252.0/8

441.518+/-2.465 χ^2/NDF : 4881.7/26

478.186+/-2.483 χ^2/NDF : 2542.6/28

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 $\pm$ 2.225 χ^2 /NDF: 705.3/16

Left Out: 115.921 $\pm$ 2.694 χ^2 /NDF: 421.4/9

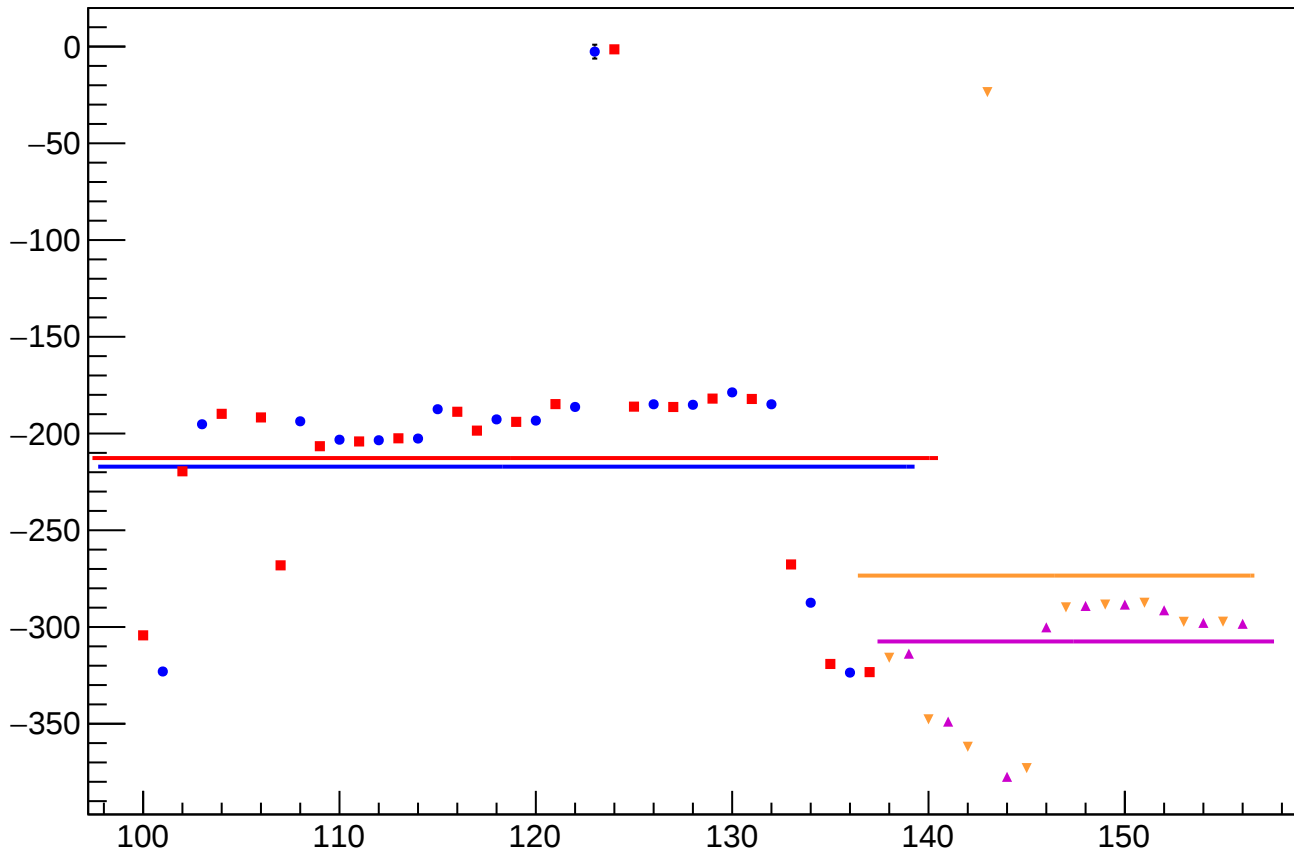
Right Out: 109.345 $\pm$ 2.202 χ^2 /NDF: 569.8/19

Left In: 127.675 $\pm$ 2.899 χ^2 /NDF: 116.8/8

117.190 $\pm$ 1.716 χ^2 /NDF: 1127.1/26

116.050 $\pm$ 1.753 χ^2 /NDF: 712.0/28

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -273.424+/-0.138 χ^2/NDF : 538702.4/9

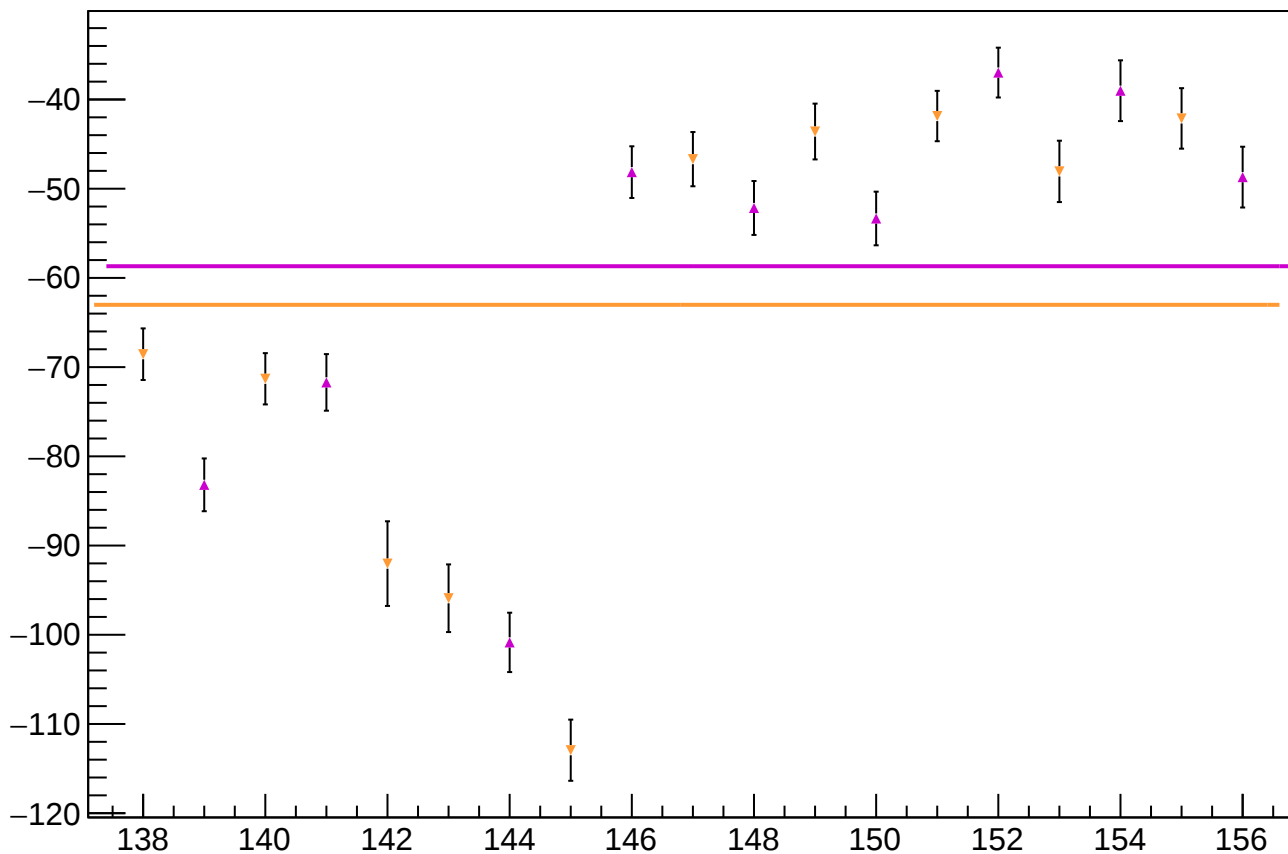
Right Out: -212.679+/-0.130 χ^2/NDF : 115596.4/19

Left In: -307.472+/-0.142 χ^2/NDF : 35027.1/8

-244.961+/-0.097 χ^2/NDF : 769299.9/26

-255.975+/-0.096 χ^2/NDF : 393424.7/28

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -63.014+/-1.028 χ^2/NDF : 517.1/9

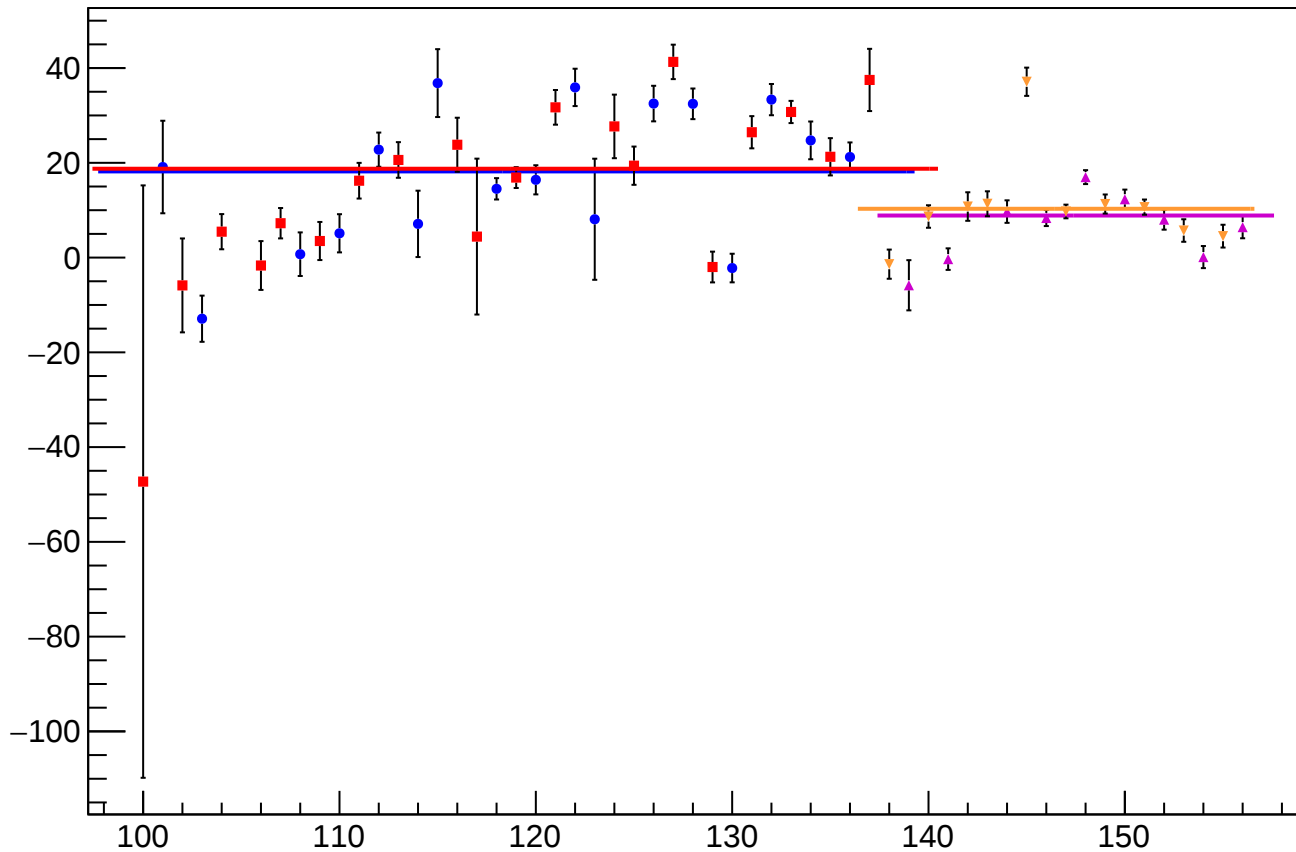
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -58.689+/-1.029 χ^2/NDF : 369.5/8

-63.014+/-1.028 χ^2/NDF : 517.1/9

-58.689+/-1.029 χ^2/NDF : 369.5/8

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 10.300 ± 0.687 χ^2/NDF : 105.9/9

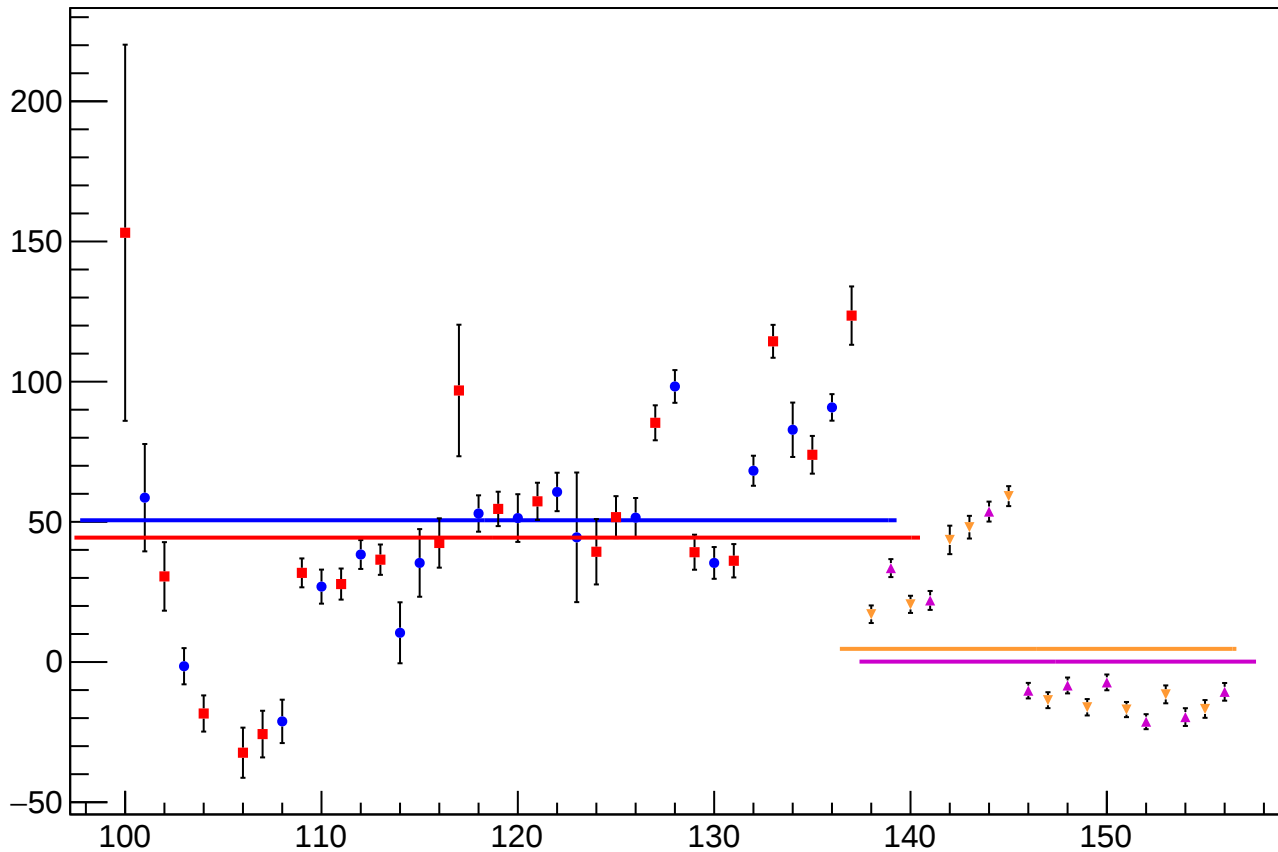
Right Out: 18.752 ± 0.862 χ^2/NDF : 199.5/19

Left In: 8.877 ± 0.700 χ^2/NDF : 73.0/8

13.137 ± 0.550 χ^2/NDF : 358.1/26

12.803 ± 0.543 χ^2/NDF : 351.7/28

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565+/-1.678 χ^2 /NDF: 357.9/16

Left Out: 4.700+/-1.019 χ^2 /NDF: 678.0/9

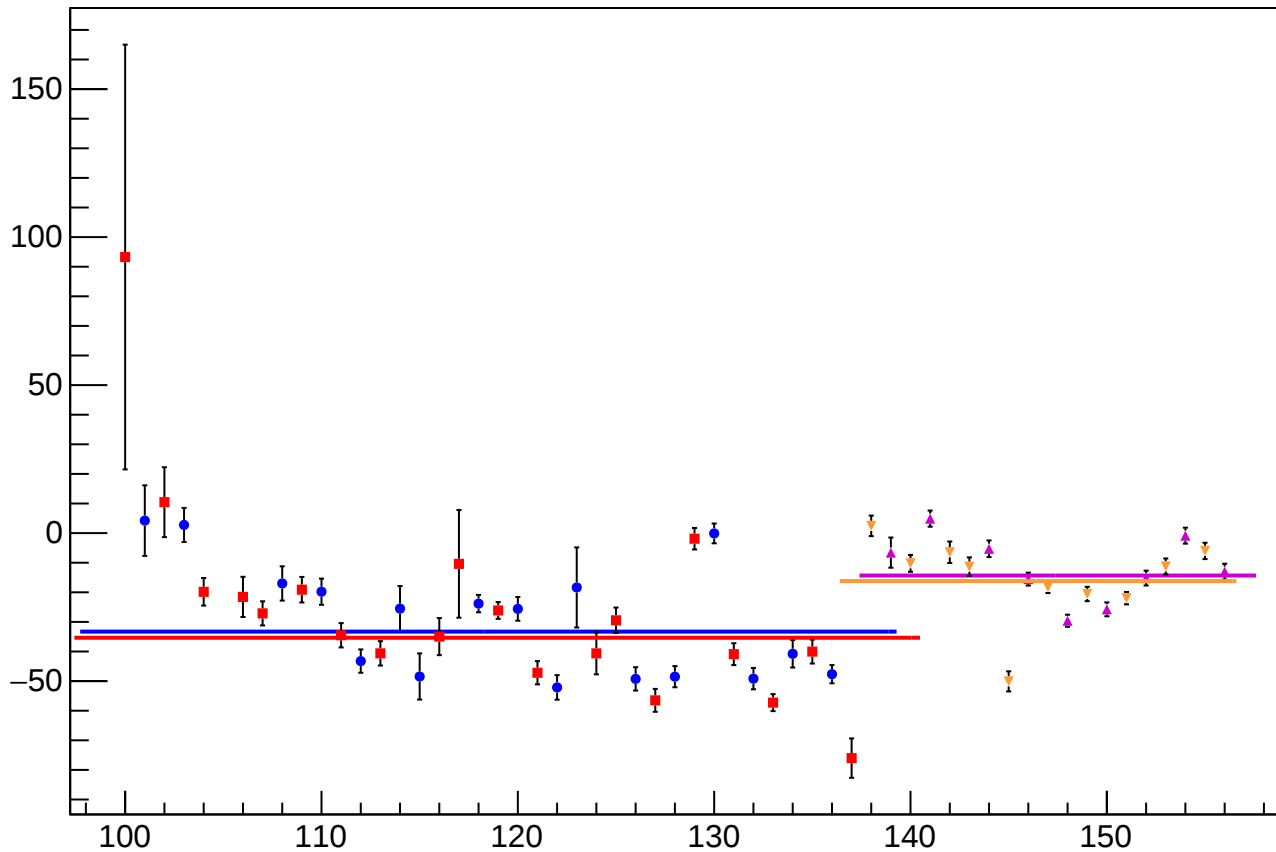
Right Out: 44.377+/-1.599 χ^2 /NDF: 537.6/19

Left In: 0.146+/-1.007 χ^2 /NDF: 521.0/8

17.065+/-0.871 χ^2 /NDF: 1581.9/26

12.716+/-0.852 χ^2 /NDF: 1606.5/28

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.202 ± 0.848 χ^2/NDF : 171.2/9

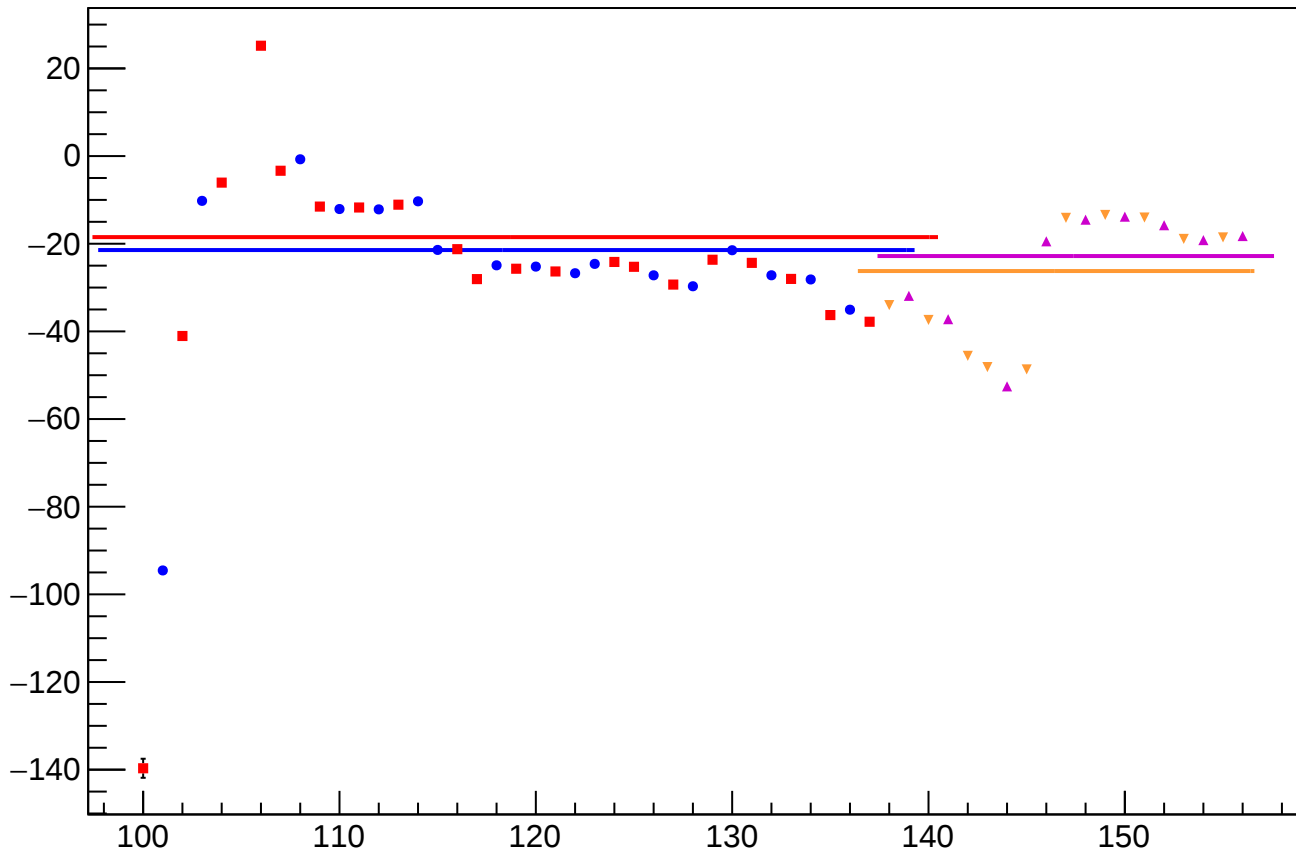
Right Out: -35.343 ± 0.990 χ^2/NDF : 291.6/19

Left In: -14.330 ± 0.856 χ^2/NDF : 166.7/8

-22.997 ± 0.658 χ^2/NDF : 622.6/26

-23.323 ± 0.648 χ^2/NDF : 716.1/28

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442+/-0.059 χ^2/NDF : 48968.5/16

Left Out: -26.231+/-0.041 χ^2/NDF : 102361.7/9

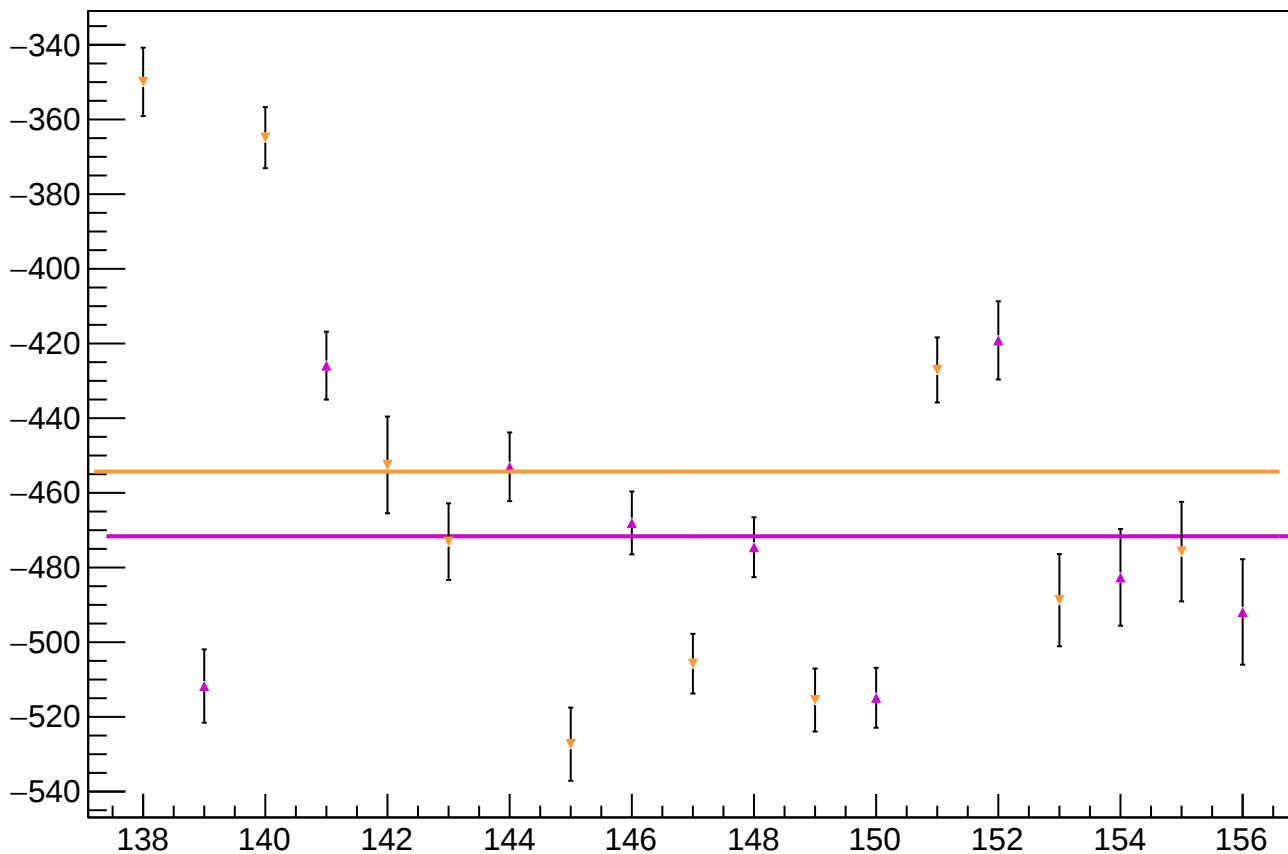
Right Out: -18.490+/-0.057 χ^2/NDF : 80549.5/19

Left In: -22.809+/-0.040 χ^2/NDF : 72604.5/8

-24.657+/-0.034 χ^2/NDF : 155766.4/26

-21.408+/-0.033 χ^2/NDF : 156989.9/28

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -454.295+/-3.046 χ^2/NDF : 422.3/9

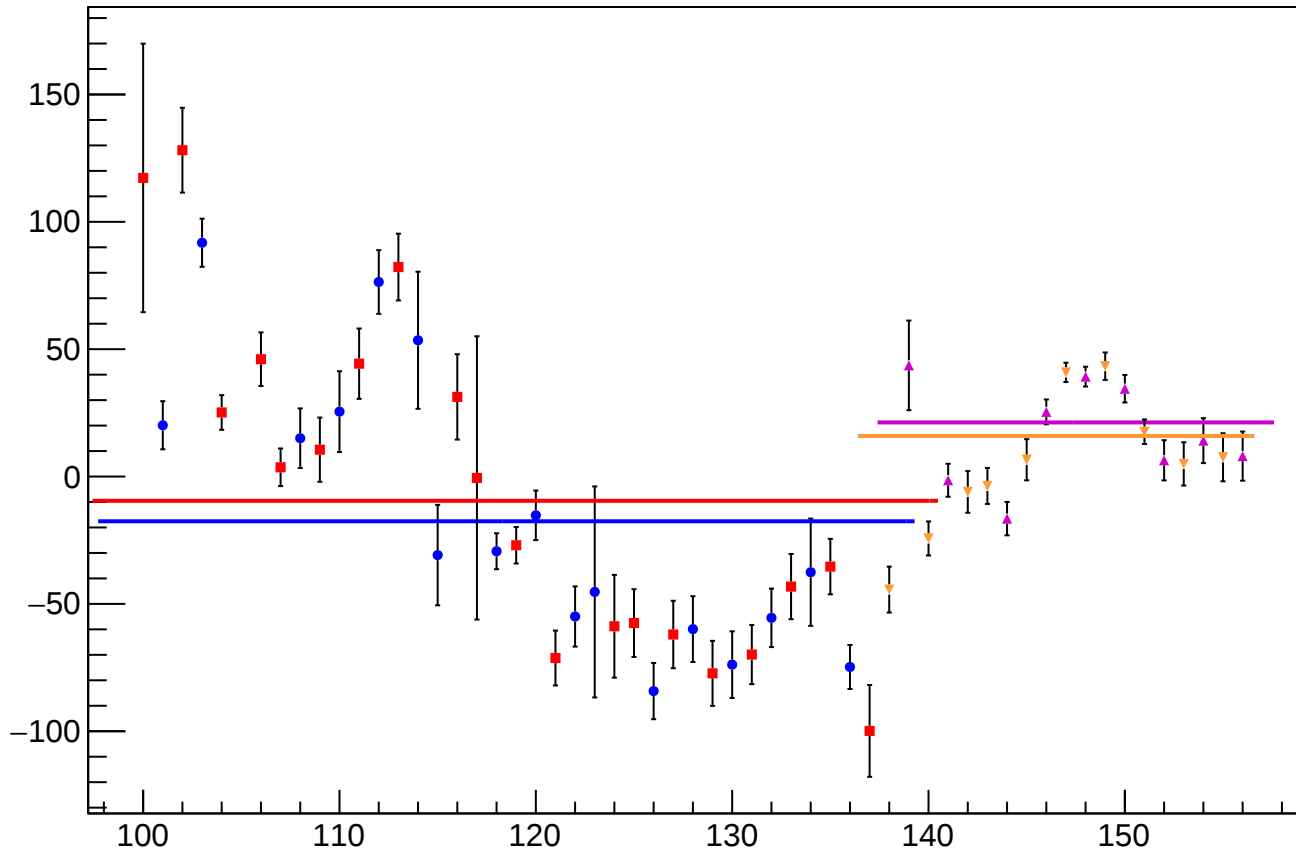
-454.295+/-3.046 χ^2/NDF : 422.3/9

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

-471.622+/-3.169 χ^2/NDF : 103.3/8

Left In: -471.622+/-3.169 χ^2/NDF : 103.3/8

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.564 ± 2.820 $\chi^2/\text{NDF}: 363.7/16$

Left Out: 15.917 ± 1.971 $\chi^2/\text{NDF}: 169.1/9$

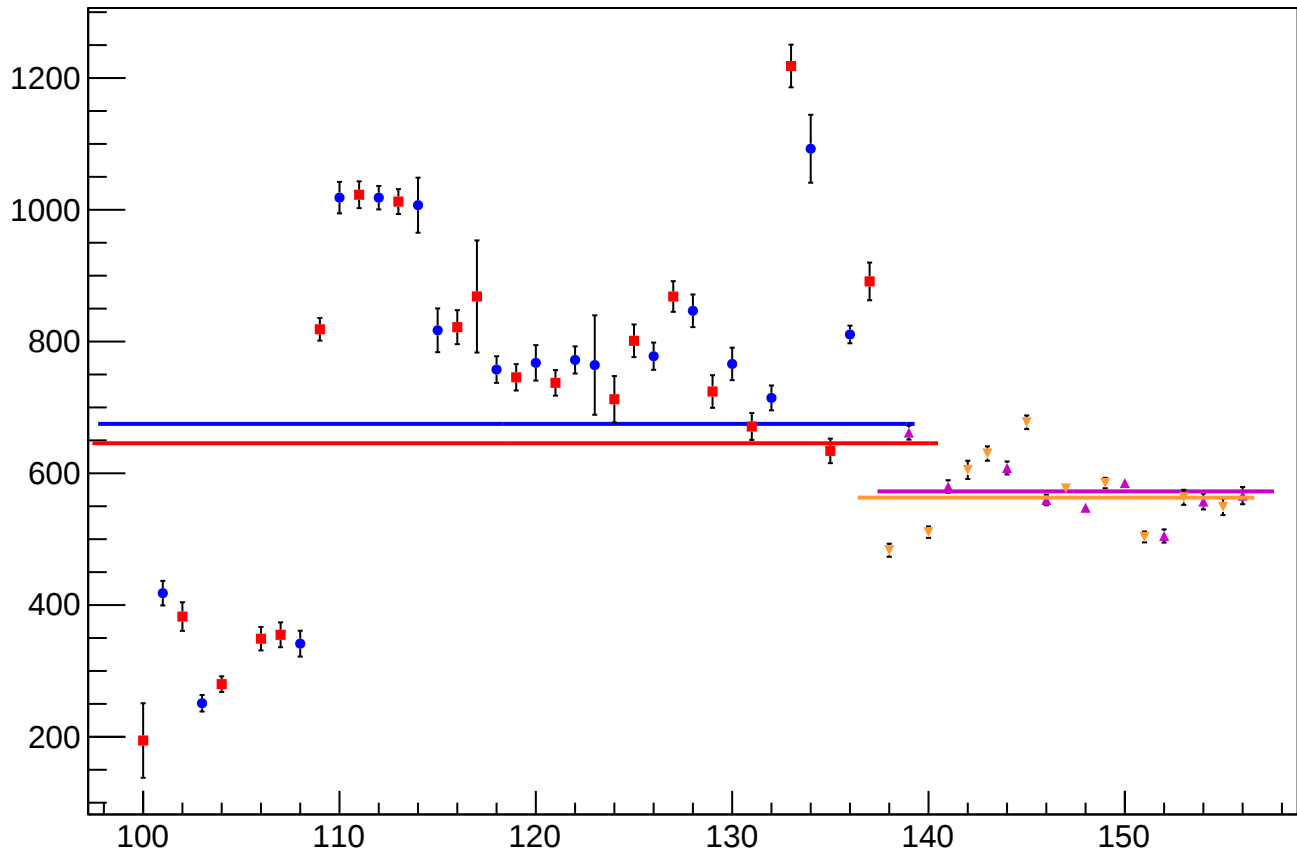
Right Out: -9.527 ± 2.606 $\chi^2/\text{NDF}: 370.3/19$

Left In: 21.245 ± 2.074 $\chi^2/\text{NDF}: 81.3/8$

4.931 ± 1.616 $\chi^2/\text{NDF}: 627.5/26$

9.310 ± 1.623 $\chi^2/\text{NDF}: 537.0/28$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045+/-5.067 χ^2/NDF : 2584.3/16

Left Out: 563.089+/-3.032 χ^2/NDF : 334.0/9

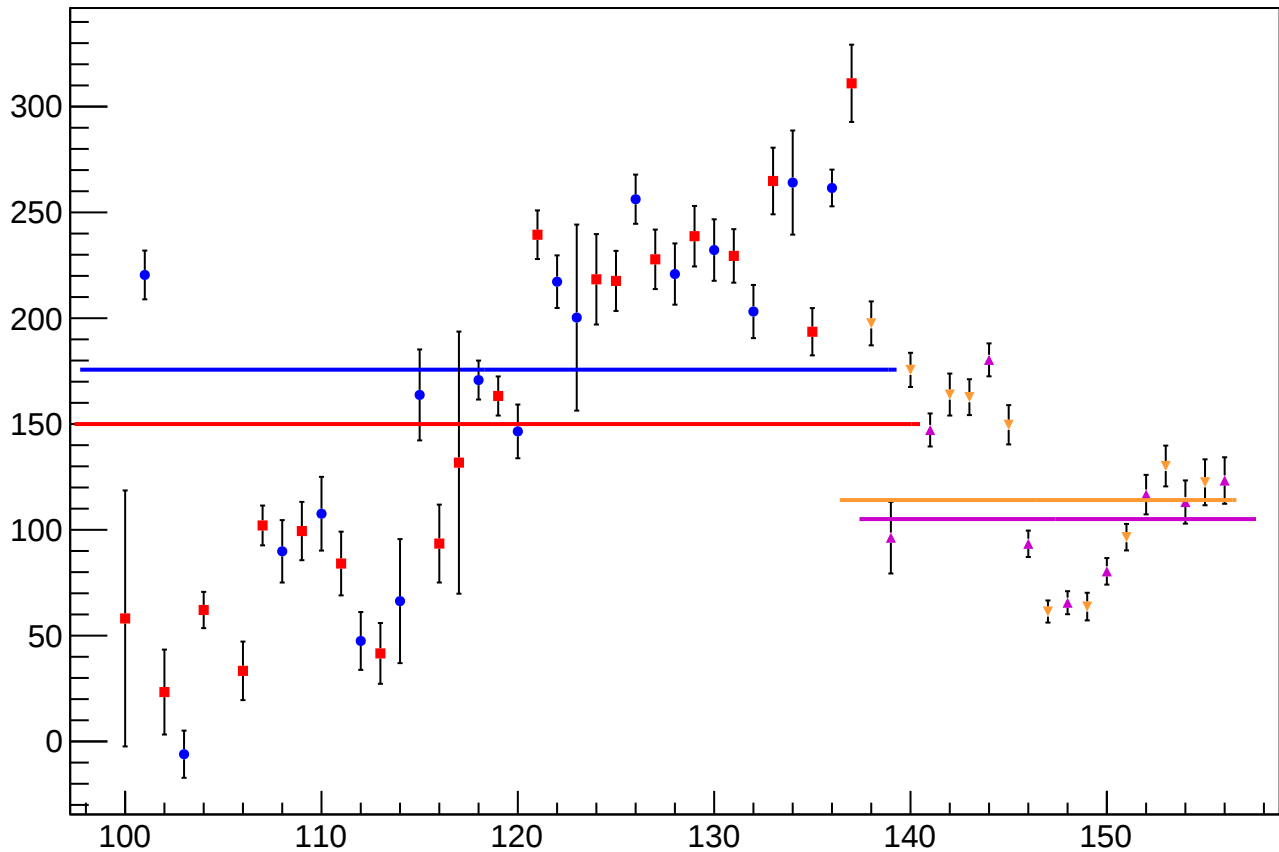
Right Out: 645.613+/-4.754 χ^2/NDF : 3129.0/19

Left In: 572.563+/-3.109 χ^2/NDF : 147.7/8

592.600+/-2.602 χ^2/NDF : 3277.8/26

594.445+/-2.602 χ^2/NDF : 3442.1/28

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 ± 3.239 $\chi^2/\text{NDF}: 637.9/16$

Left Out: 114.068 ± 2.461 $\chi^2/\text{NDF}: 367.9/9$

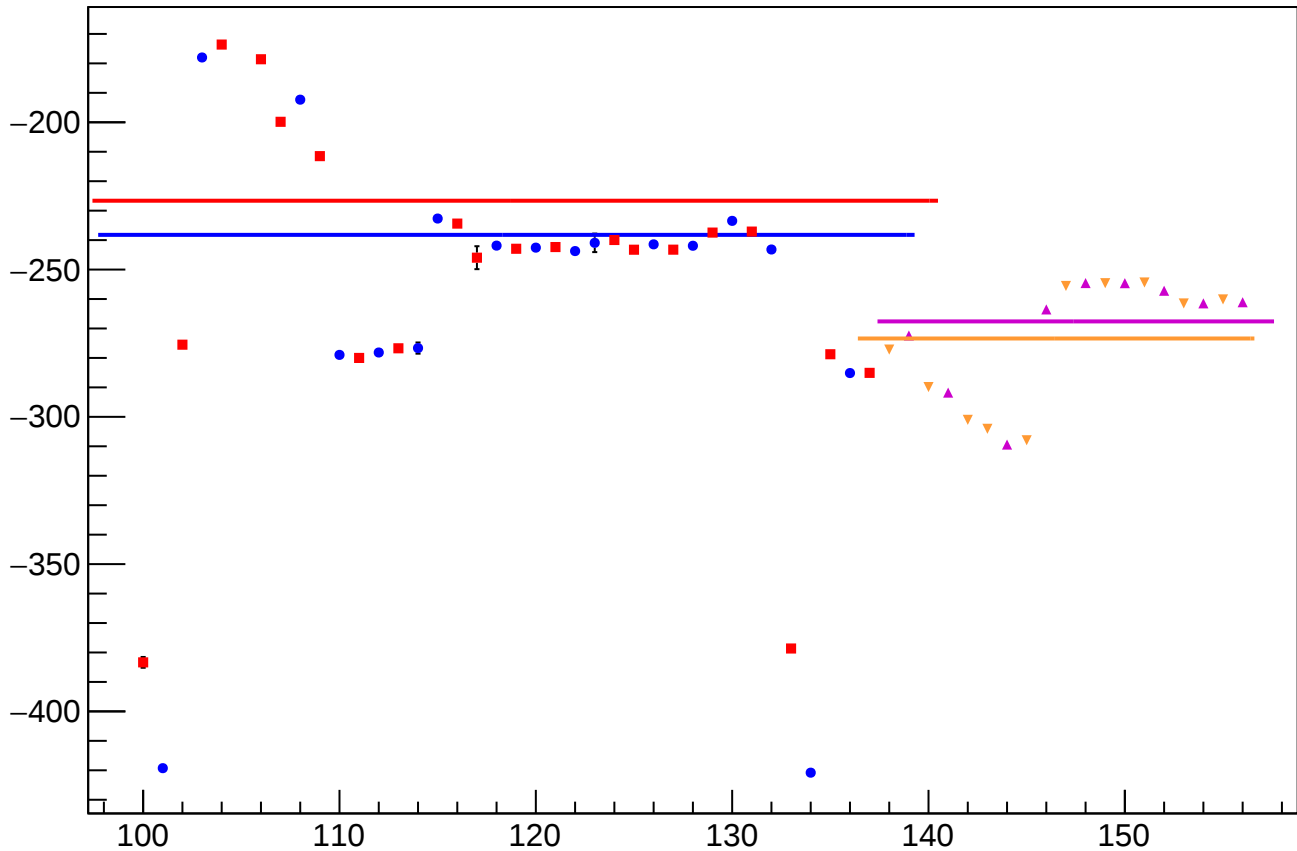
Right Out: 149.973 ± 3.038 $\chi^2/\text{NDF}: 693.8/19$

Left In: 105.080 ± 2.576 $\chi^2/\text{NDF}: 199.7/8$

136.619 ± 1.959 $\chi^2/\text{NDF}: 1235.3/26$

123.855 ± 1.965 $\chi^2/\text{NDF}: 1020.6/28$

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217+/-0.160 χ^2/NDF : 167120.0/16

Left Out: -273.401+/-0.126 χ^2/NDF : 26590.7/9

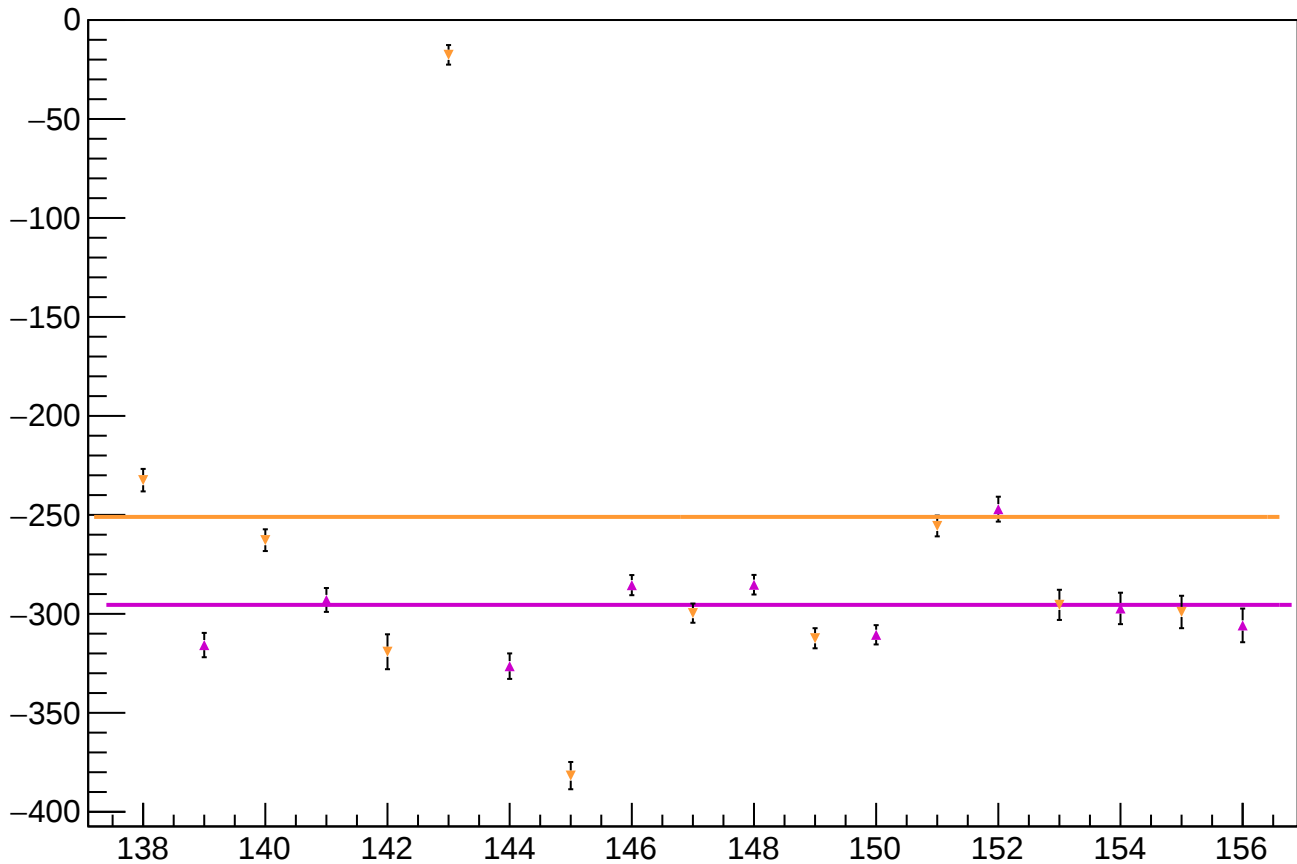
Right Out: -226.626+/-0.151 χ^2/NDF : 102587.0/19

Left In: -267.601+/-0.126 χ^2/NDF : 17950.4/8

-260.018+/-0.099 χ^2/NDF : 223503.3/26

-250.796+/-0.097 χ^2/NDF : 163907.2/28

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -251.019+/-1.861 χ^2/NDF : 2977.2/9

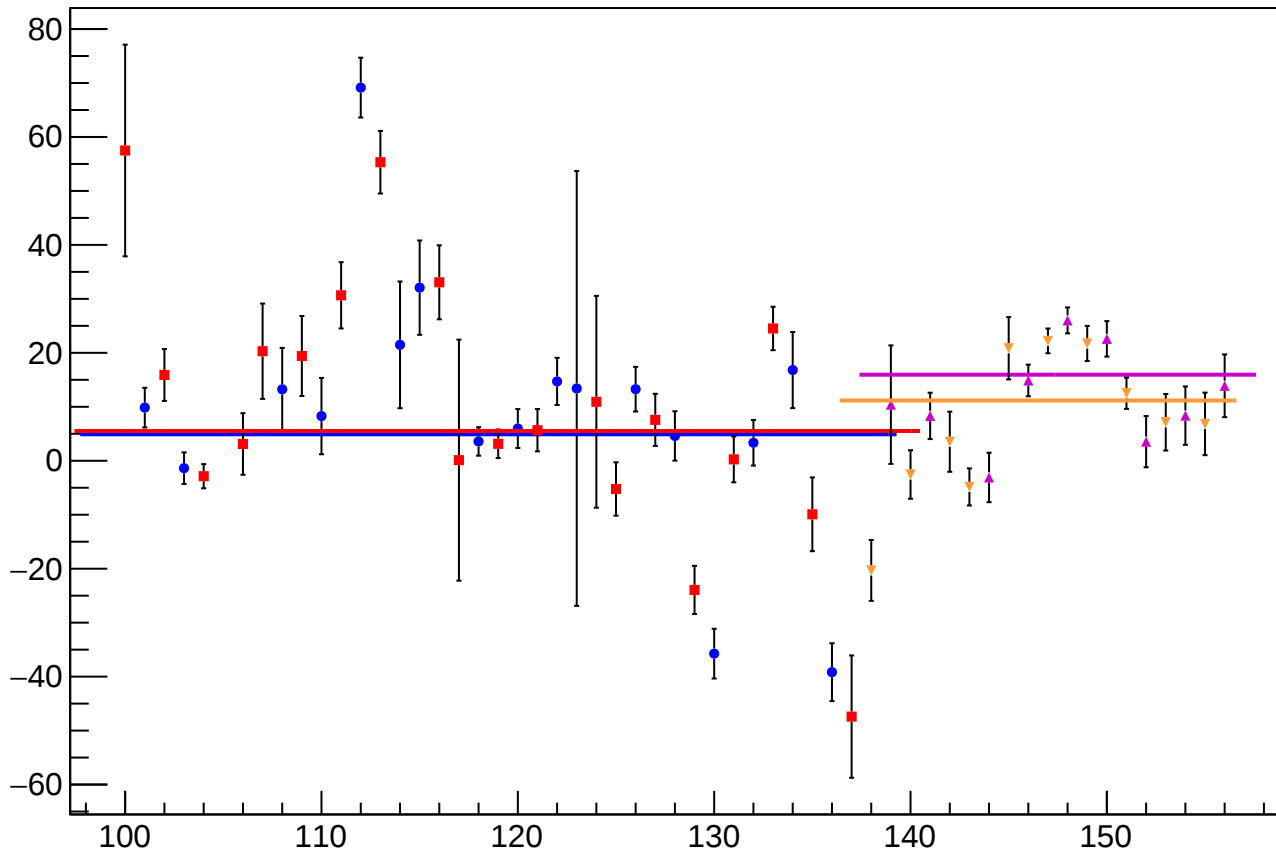
-251.019+/-1.861 χ^2/NDF : 2977.2/9

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

-295.460+/-1.982 χ^2/NDF : 112.6/8

Left In: -295.460+/-1.982 χ^2/NDF : 112.6/8

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: 11.168 ± 1.197 χ^2/NDF : 101.9/9

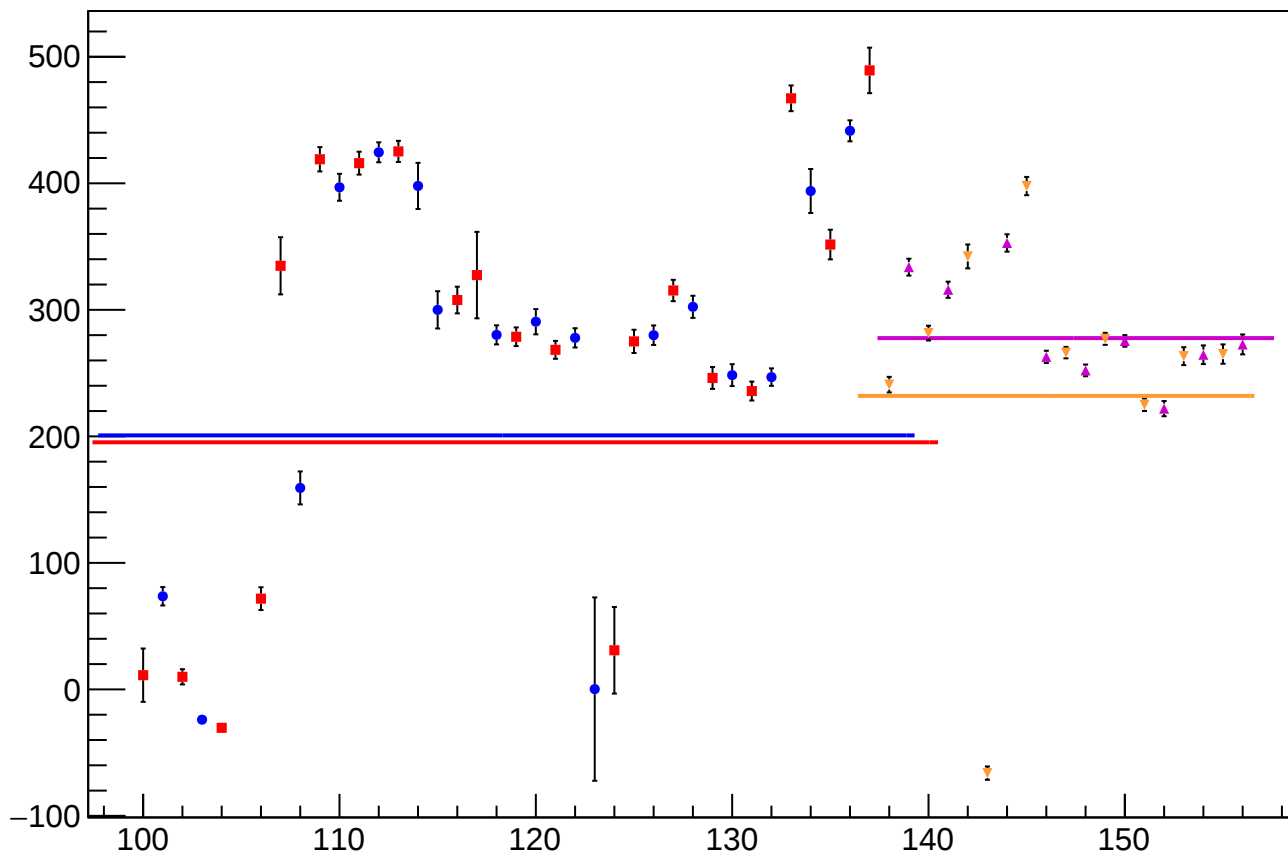
Right Out: 5.517 ± 1.067 χ^2/NDF : 239.0/19

Left In: 15.947 ± 1.290 χ^2/NDF : 51.4/8

7.787 ± 0.812 χ^2/NDF : 428.4/26

9.754 ± 0.822 χ^2/NDF : 329.2/28

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 231.985 $\pm$ 1.850 χ^2 /NDF: 4113.6/9

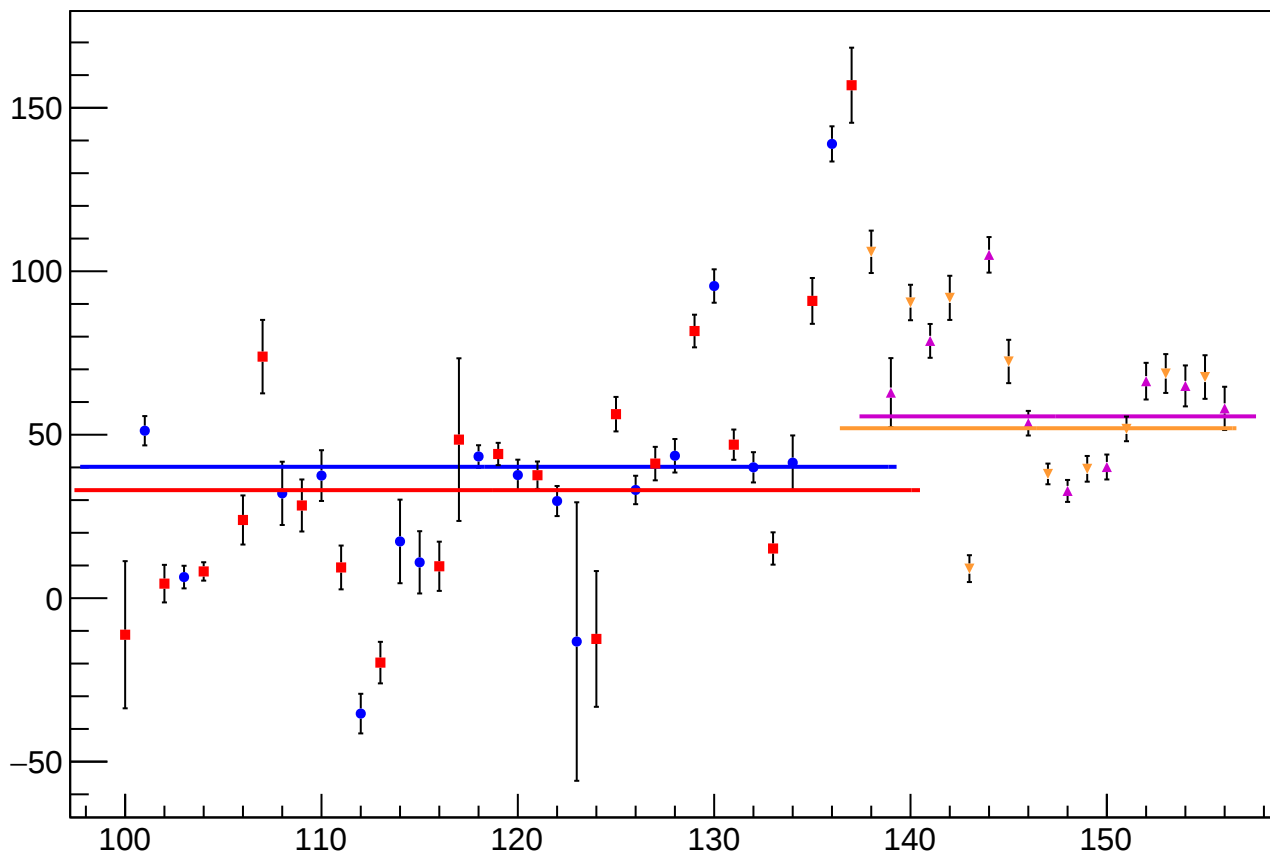
Right Out: 195.311 $\pm$ 1.921 χ^2 /NDF: 8262.1/19

Left In: 277.659 $\pm$ 1.936 χ^2 /NDF: 354.6/8

217.460 $\pm$ 1.353 χ^2 /NDF: 10979.0/26

236.165 $\pm$ 1.363 χ^2 /NDF: 9528.6/28

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 $\pm$ 1.283 χ^2 /NDF: 734.6/16

Left Out: 51.985 $\pm$ 1.495 χ^2 /NDF:316.1/9

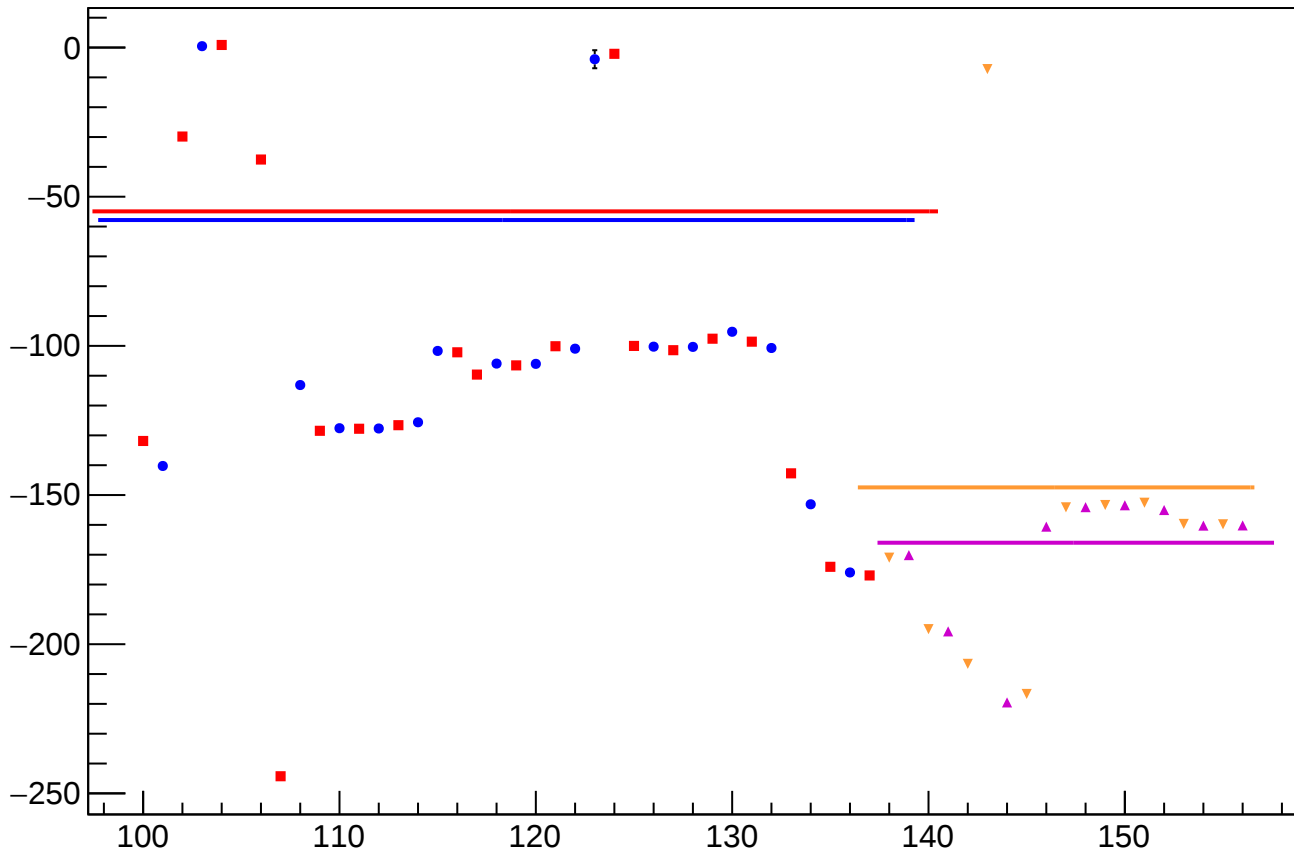
Right Out: 33.045 $\pm$ 1.249 χ^2 /NDF: 553.1/19

Left In: 55.615 $\pm$ 1.605 χ^2 /NDF:171.9/8

45.190 $\pm$ 0.974 χ^2 /NDF: 1086.5/26

41.556 $\pm$ 0.986 χ^2 /NDF: 848.1/28

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 $\pm$ 0.062 χ^2 /NDF: 1101296.2/16

Left Out: -147.439 $\pm$ 0.077 χ^2 /NDF: 574778.4/9

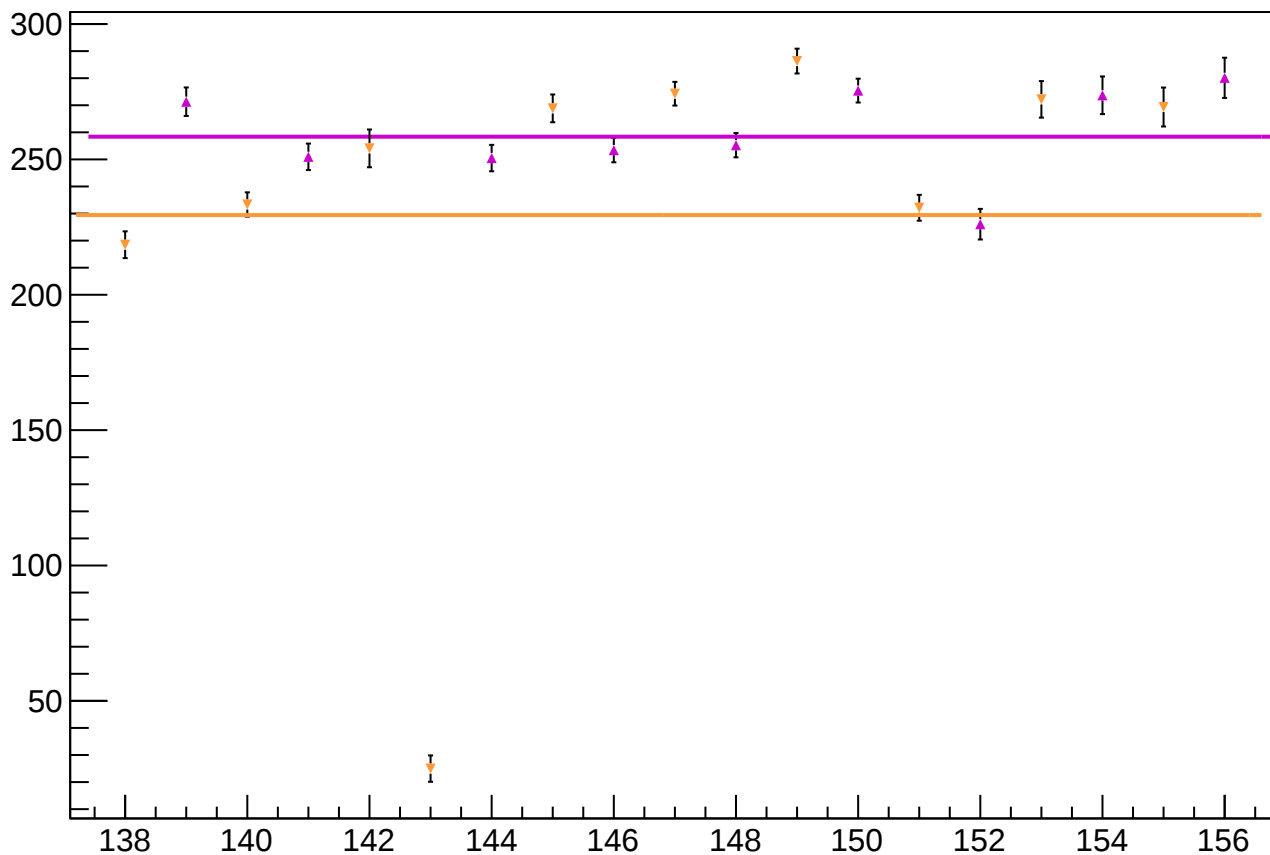
Right Out: -54.915 $\pm$ 0.060 χ^2 /NDF: 1001968.3/19

Left In: -165.985 $\pm$ 0.078 χ^2 /NDF: 56306.5/8

-93.130 $\pm$ 0.048 χ^2 /NDF: 2504910.5/26

-96.133 $\pm$ 0.048 χ^2 /NDF: 2322071.4/28

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 229.443+/-1.630 χ^2/NDF : 2169.6/9

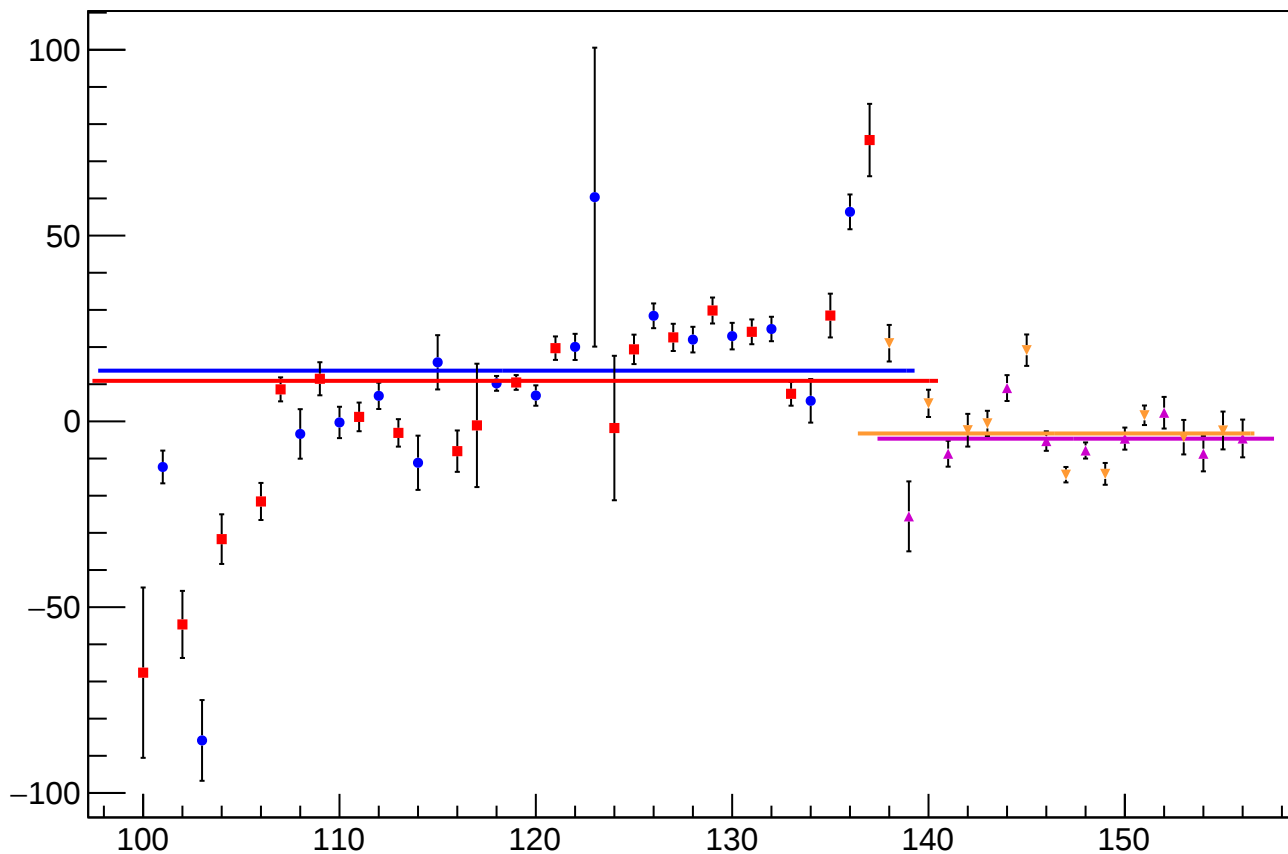
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 258.395+/-1.713 χ^2/NDF : 73.7/8

229.443+/-1.630 χ^2/NDF : 2169.6/9

258.395+/-1.713 χ^2/NDF : 73.7/8

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 $\pm$ 0.936 χ^2 /NDF: 294.0/16

Left Out: -3.255 $\pm$ 1.061 χ^2 /NDF: 103.8/9

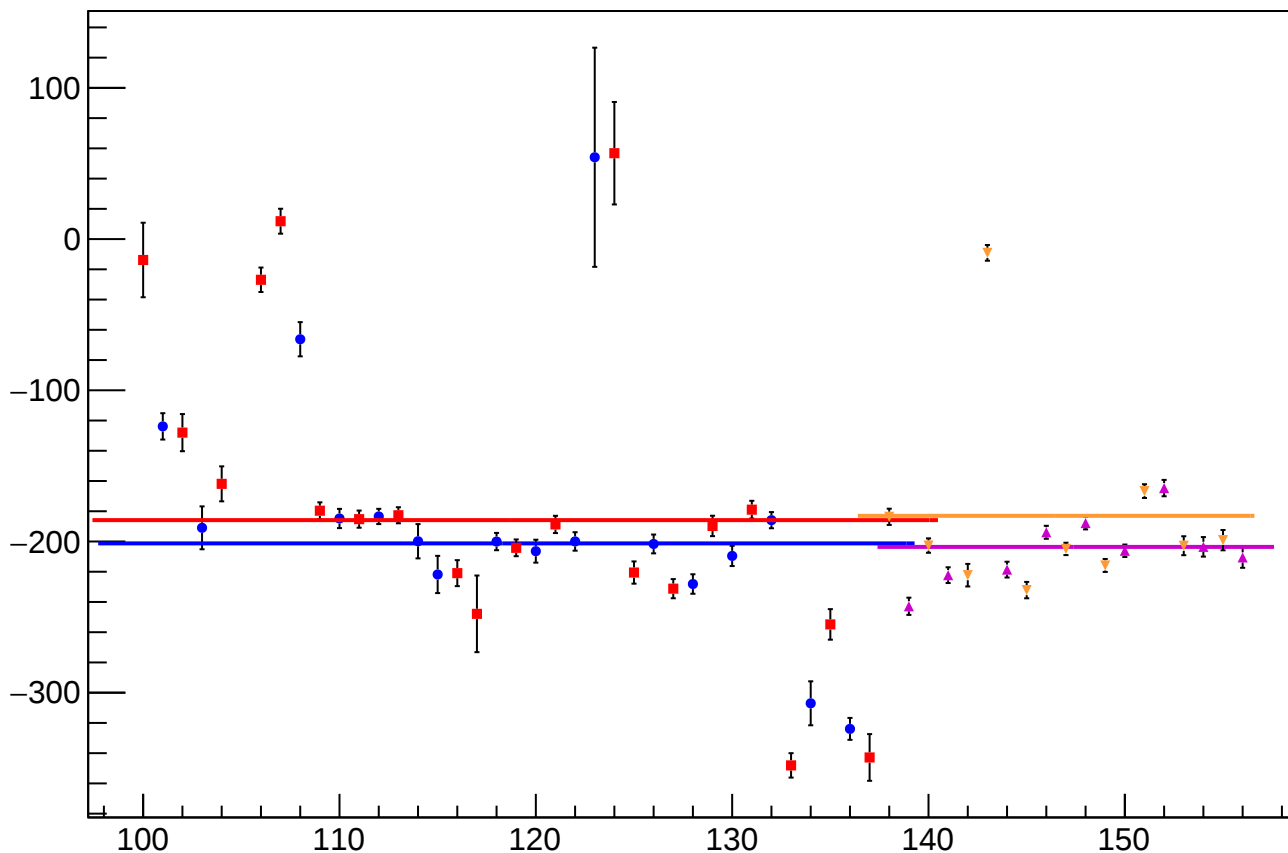
Right Out: 10.908 $\pm$ 0.912 χ^2 /NDF: 303.1/19

Left In: -4.658 $\pm$ 1.129 χ^2 /NDF: 27.2/8

6.254 $\pm$ 0.702 χ^2 /NDF: 540.5/26

4.760 $\pm$ 0.709 χ^2 /NDF: 445.4/28

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -183.020 ± 1.626 χ^2/NDF : 1361.8/9

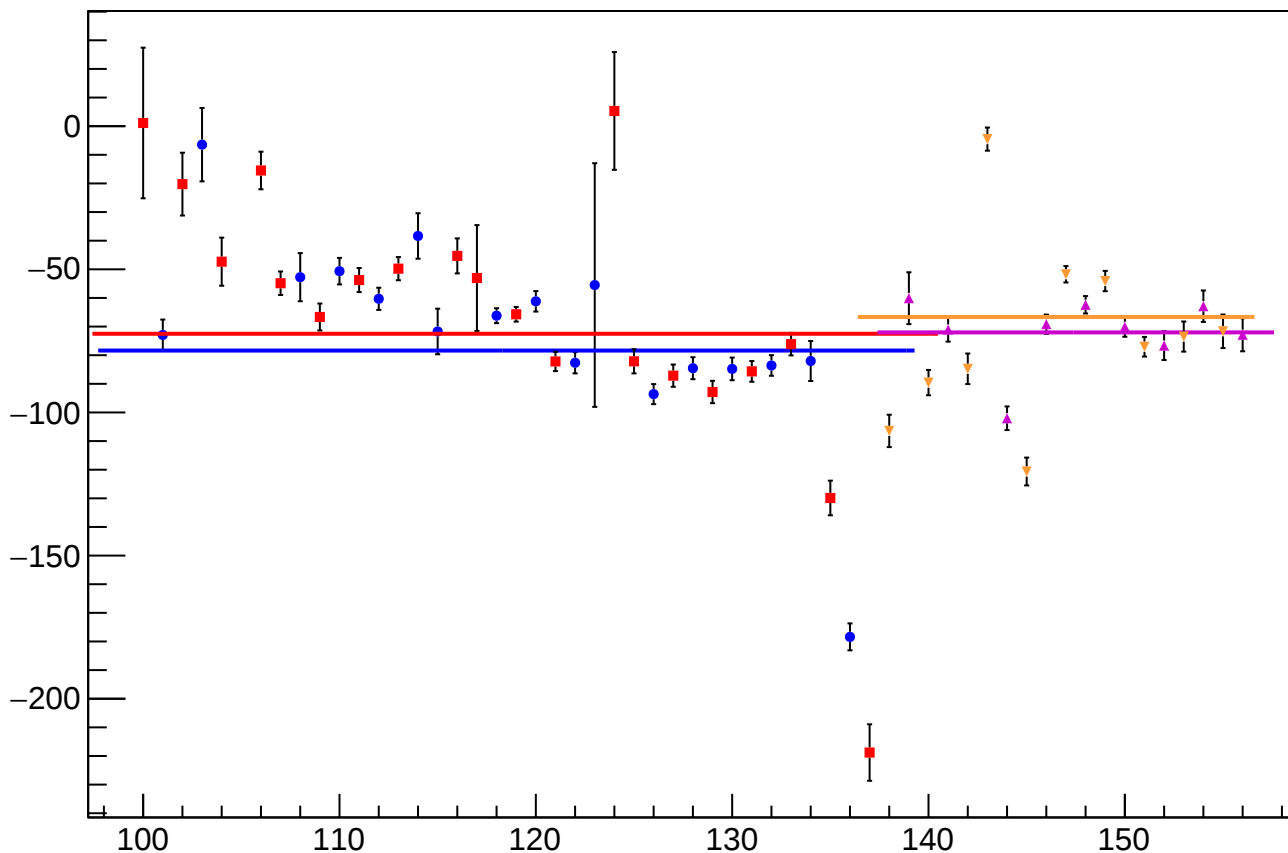
Right Out: -185.871 ± 1.695 χ^2/NDF : 1752.0/19

Left In: -203.579 ± 1.682 χ^2/NDF : 140.9/8

-191.243 ± 1.205 χ^2/NDF : 2041.9/26

-194.796 ± 1.194 χ^2/NDF : 1947.9/28

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 $\chi^2/\text{NDF}: 651.4/16$

Left Out: -66.650 ± 1.321 $\chi^2/\text{NDF}: 498.3/9$

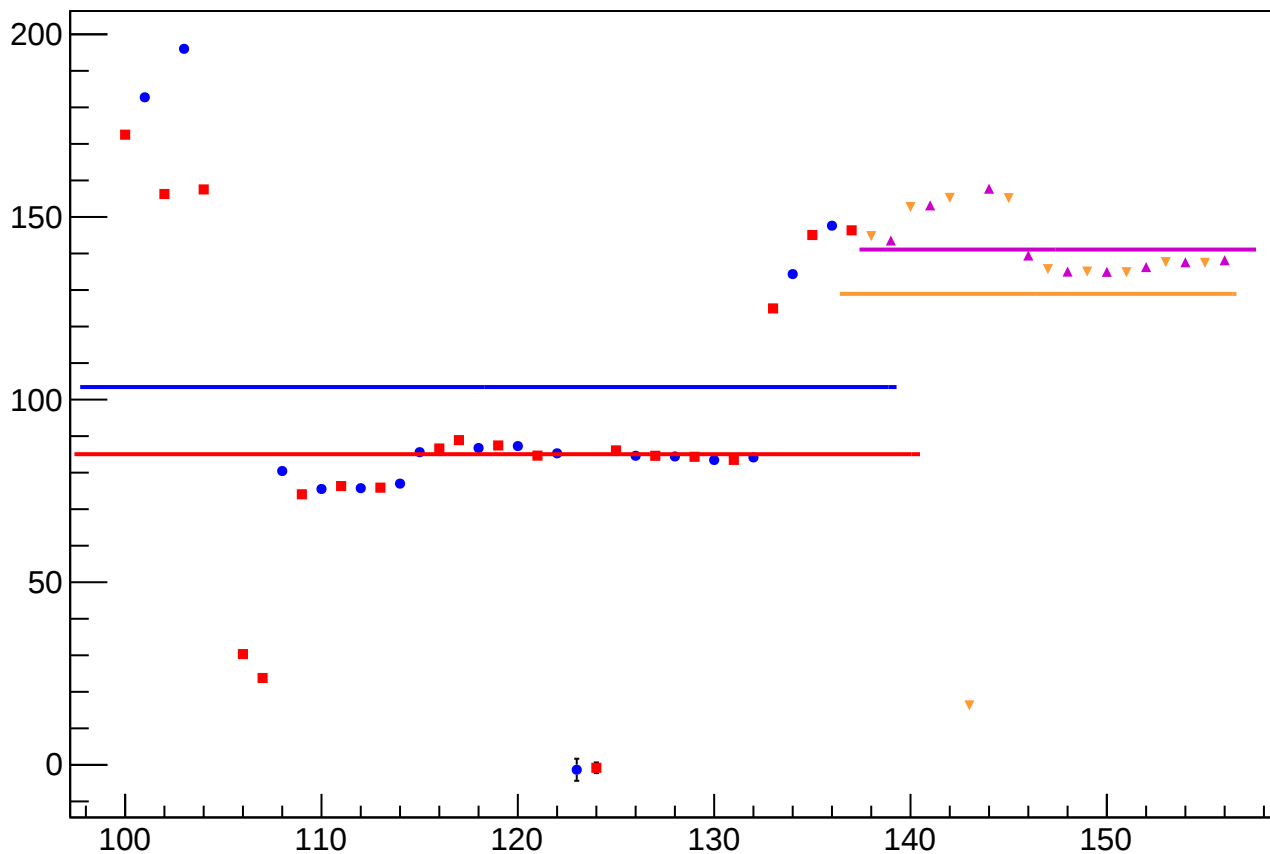
Right Out: -72.514 ± 1.050 $\chi^2/\text{NDF}: 607.0/19$

Left In: -72.035 ± 1.398 $\chi^2/\text{NDF}: 69.4/8$

-73.673 ± 0.837 $\chi^2/\text{NDF}: 1196.8/26$

-72.341 ± 0.840 $\chi^2/\text{NDF}: 676.4/28$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 $\pm$ 0.071 χ^2 /NDF: 272785.6/16

Left Out: 128.945 $\pm$ 0.067 χ^2 /NDF: 340972.3/9

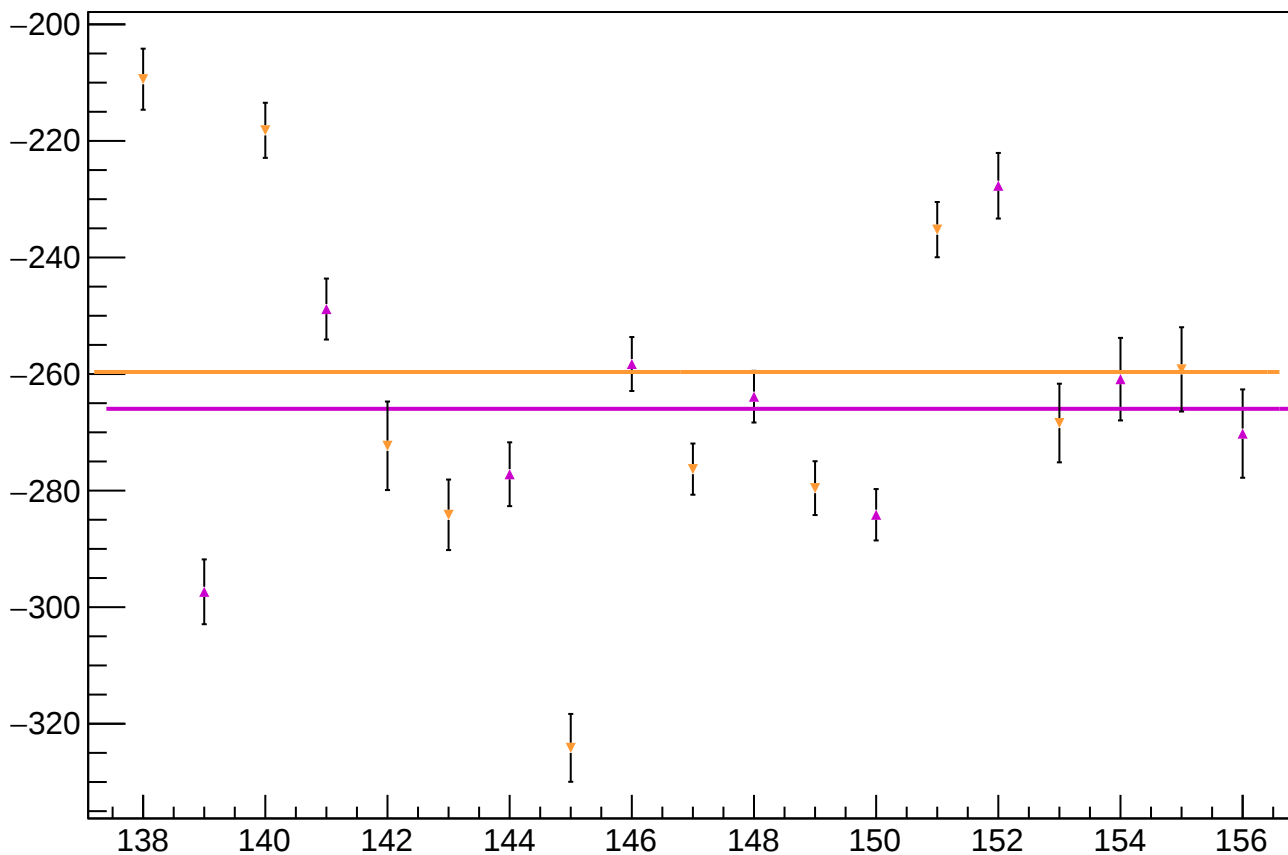
Right Out: 85.054 $\pm$ 0.064 χ^2 /NDF: 422354.0/19

Left In: 141.075 $\pm$ 0.068 χ^2 /NDF: 12087.6/8

116.867 $\pm$ 0.049 χ^2 /NDF: 681953.5/26

111.187 $\pm$ 0.046 χ^2 /NDF: 795856.1/28

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -259.647+/-1.716 χ^2/NDF : 372.0/9

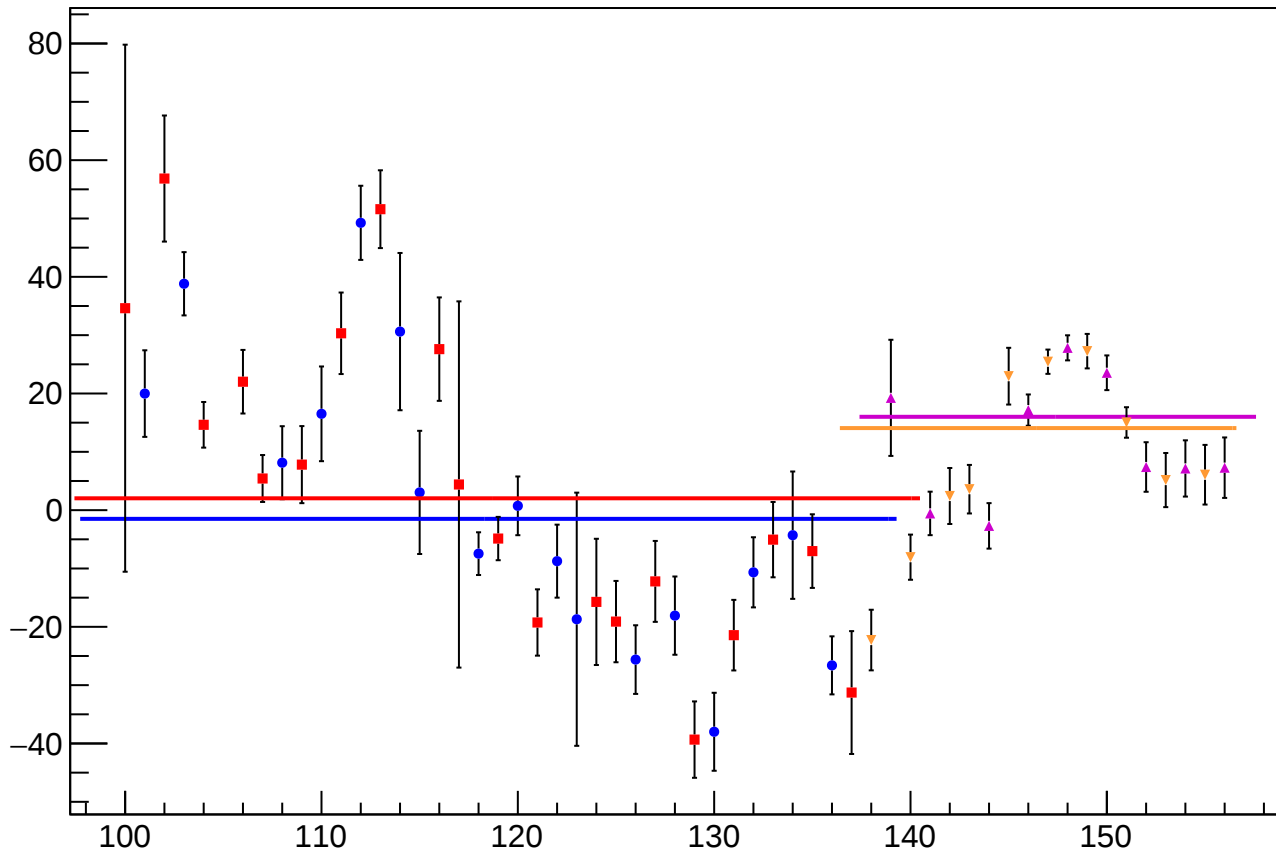
-259.647+/-1.716 χ^2/NDF : 372.0/9

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

-265.965+/-1.767 χ^2/NDF : 113.8/8

Left In: -265.965+/-1.767 χ^2/NDF : 113.8/8

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490 ± 1.536 $\chi^2/\text{NDF}: 226.0/16$

Left Out: 14.071 ± 1.102 $\chi^2/\text{NDF}: 153.2/9$

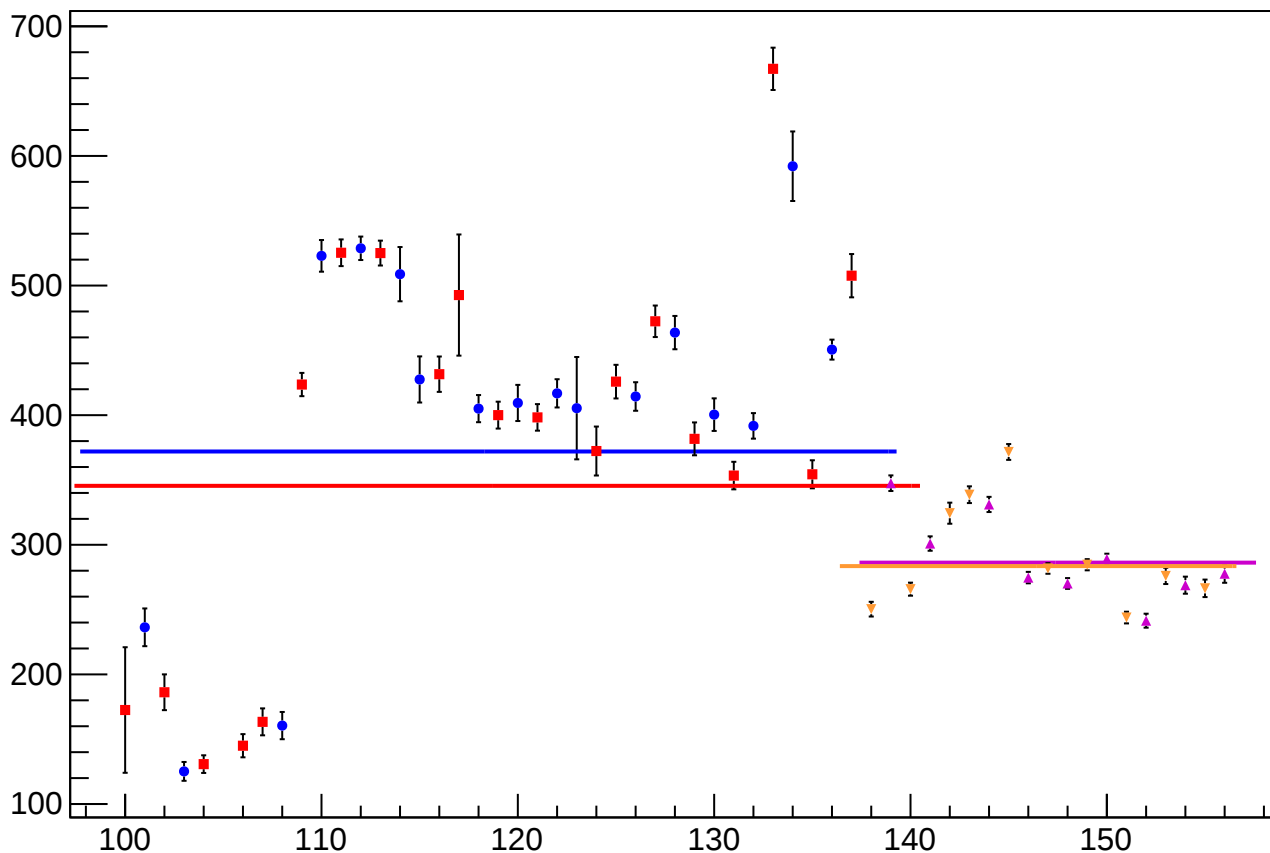
Right Out: 2.032 ± 1.398 $\chi^2/\text{NDF}: 233.3/19$

Left In: 16.006 ± 1.153 $\chi^2/\text{NDF}: 90.0/8$

8.784 ± 0.895 $\chi^2/\text{NDF}: 446.9/26$

10.350 ± 0.890 $\chi^2/\text{NDF}: 382.8/28$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 ± 2.778 χ^2/NDF : 2432.6/16

Left Out: 283.555 ± 1.700 χ^2/NDF : 437.9/9

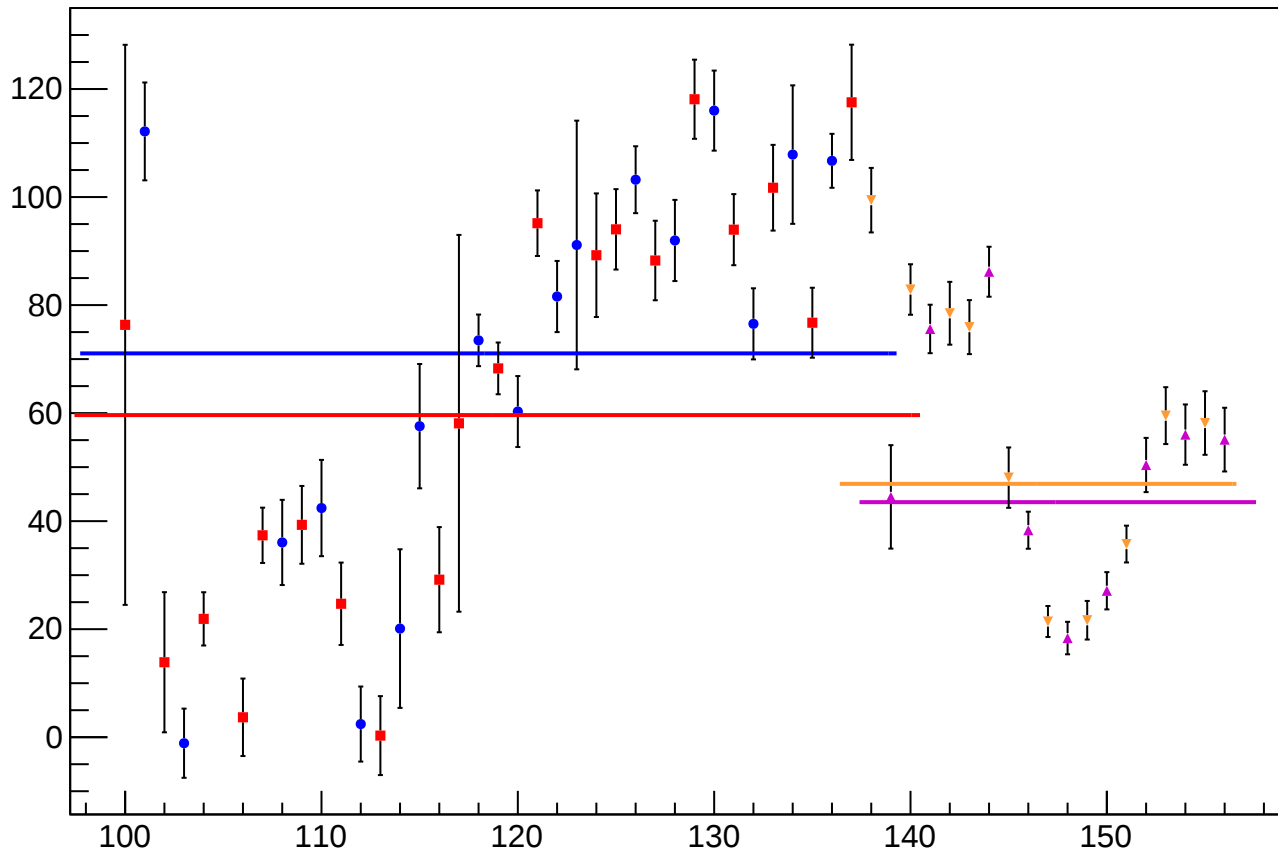
Right Out: 345.485 ± 2.558 χ^2/NDF : 3425.1/19

Left In: 286.226 ± 1.729 χ^2/NDF : 268.8/8

307.652 ± 1.450 χ^2/NDF : 3607.6/26

304.801 ± 1.432 χ^2/NDF : 4062.3/28

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 46.902 $\pm$ 1.379 χ^2 /NDF:348.7/9

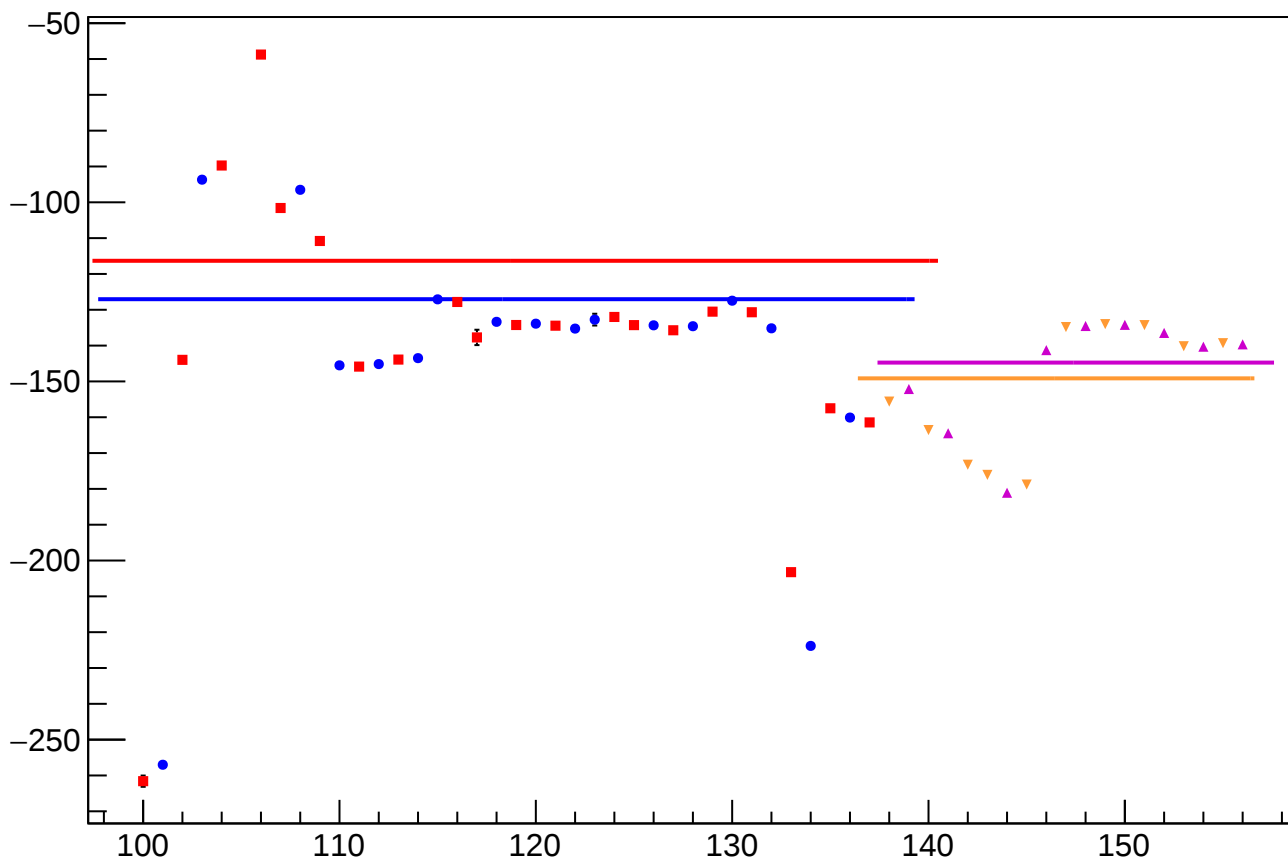
Right Out: 59.634 $\pm$ 1.629 χ^2 /NDF: 491.6/19

Left In: 43.518 $\pm$ 1.433 χ^2 /NDF:241.8/8

56.059 $\pm$ 1.086 χ^2 /NDF: 891.3/26

50.545 $\pm$ 1.076 χ^2 /NDF: 788.6/28

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -149.146+/-0.071 χ^2/NDF : 57567.5/9

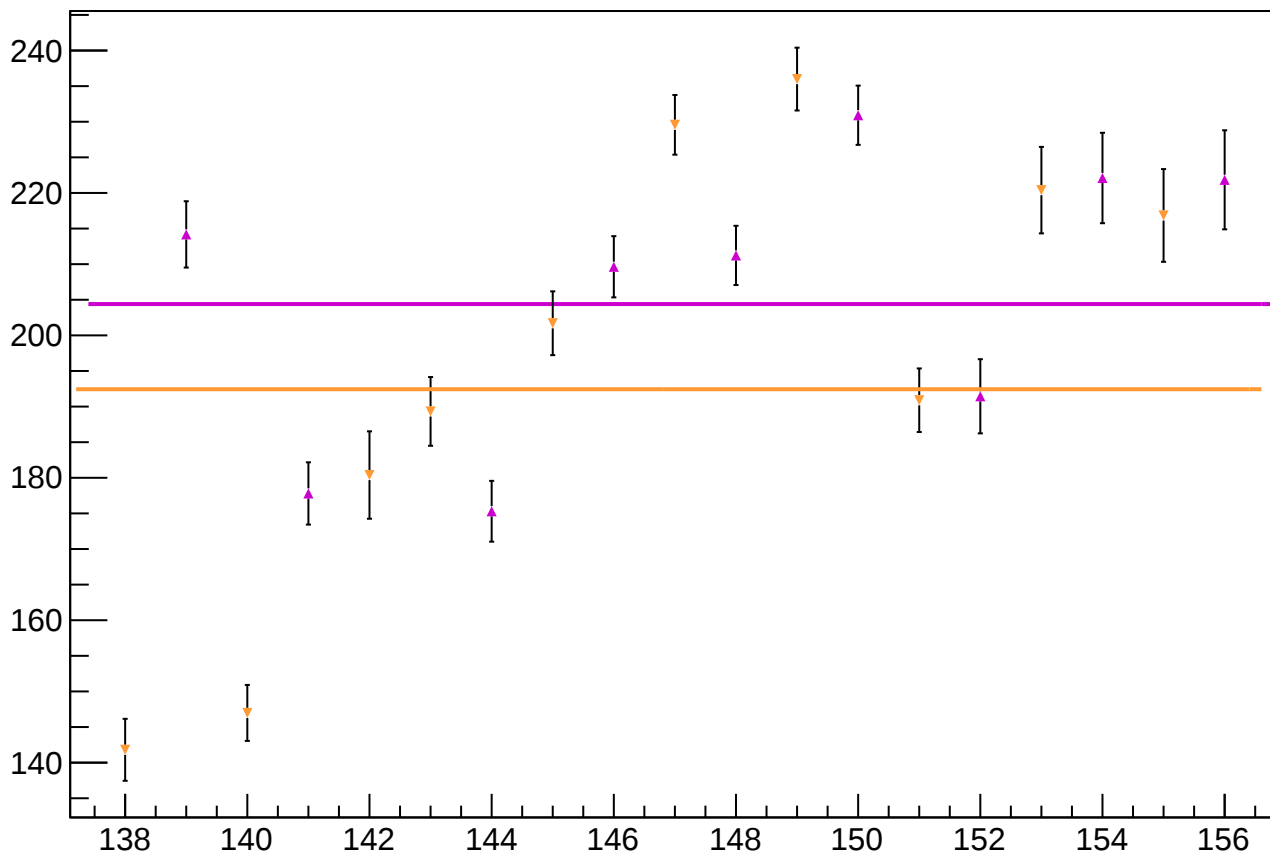
Right Out: -116.327+/-0.083 χ^2/NDF : 167208.7/19

Left In: -144.746+/-0.070 χ^2/NDF : 38536.1/8

-140.715+/-0.055 χ^2/NDF : 262048.2/26

-132.925+/-0.053 χ^2/NDF : 274343.8/28

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 192.439+/-1.497 χ^2/NDF : 489.0/9

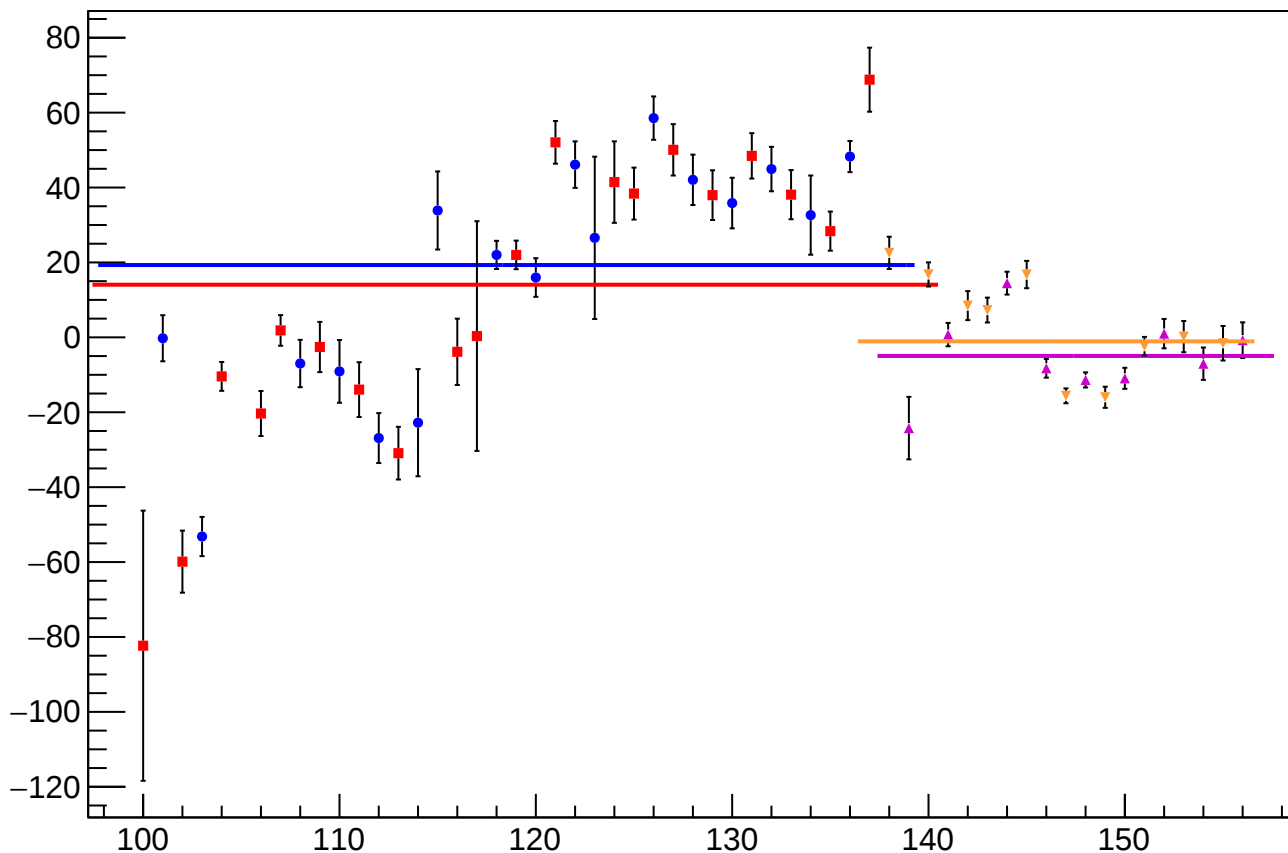
192.439+/-1.497 χ^2/NDF : 489.0/9

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

204.397+/-1.571 χ^2/NDF : 152.9/8

Left In: 204.397+/-1.571 χ^2/NDF : 152.9/8

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 ± 1.500 $\chi^2/\text{NDF}: 441.3/16$

Left Out: -1.070 ± 0.986 $\chi^2/\text{NDF}: 179.1/9$

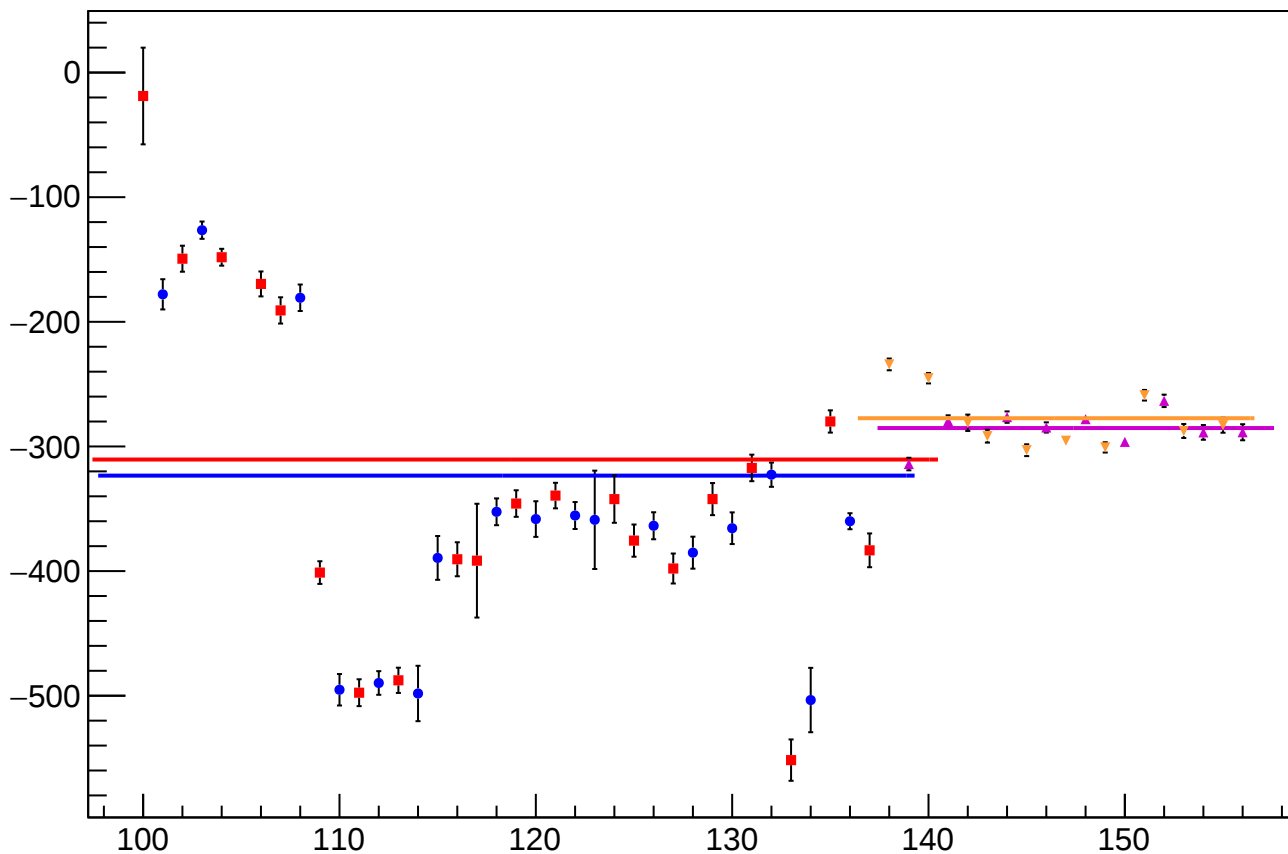
Right Out: 14.055 ± 1.388 $\chi^2/\text{NDF}: 437.1/19$

Left In: -4.963 ± 1.043 $\chi^2/\text{NDF}: 68.9/8$

5.075 ± 0.824 $\chi^2/\text{NDF}: 749.2/26$

1.896 ± 0.834 $\chi^2/\text{NDF}: 626.0/28$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -277.352 ± 1.499 $\chi^2/\text{NDF}: 256.4/9$

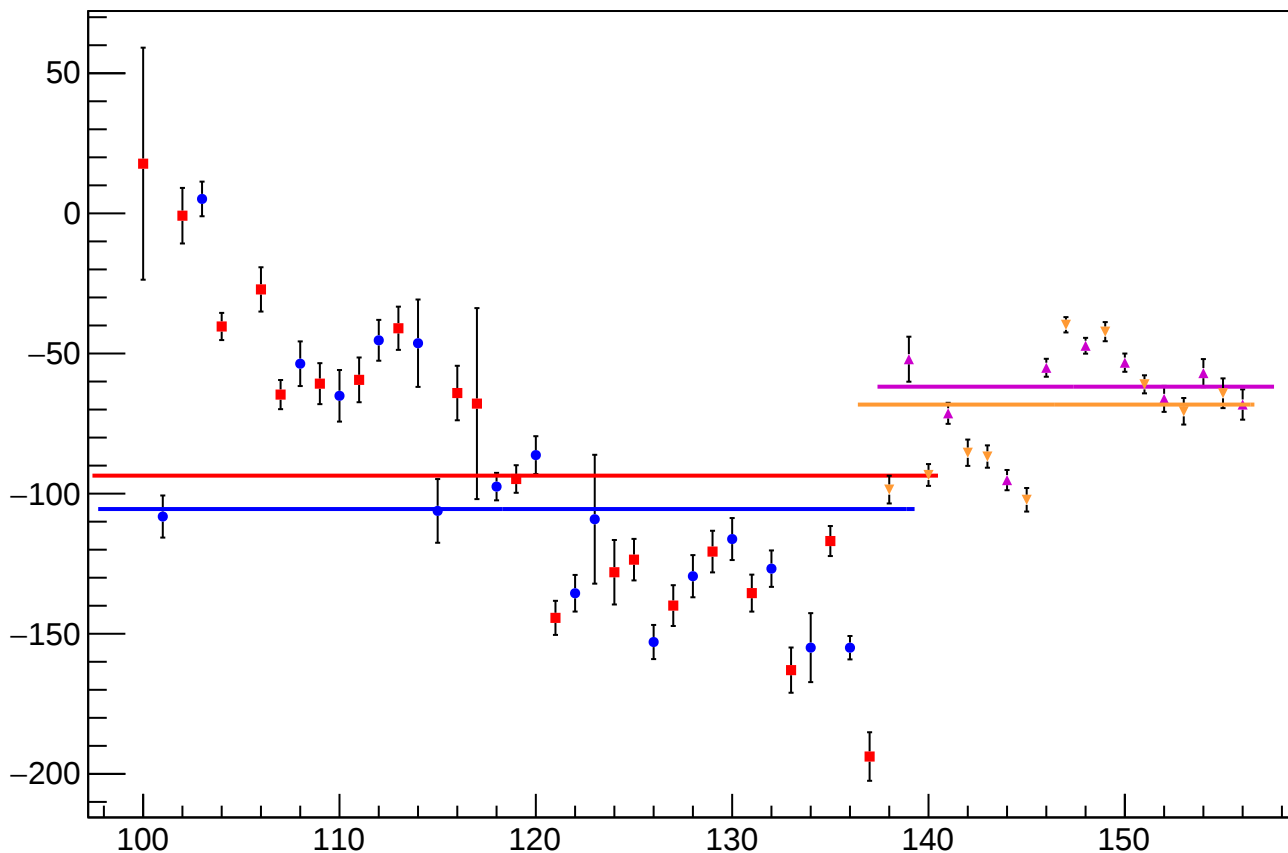
Right Out: -310.484 ± 2.520 $\chi^2/\text{NDF}: 2302.0/19$

Left In: -285.232 ± 1.547 $\chi^2/\text{NDF}: 69.1/8$

-288.298 ± 1.309 $\chi^2/\text{NDF}: 2330.4/26$

-292.147 ± 1.318 $\chi^2/\text{NDF}: 2444.1/28$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -68.223 ± 1.224 χ^2/NDF : 351.7/9

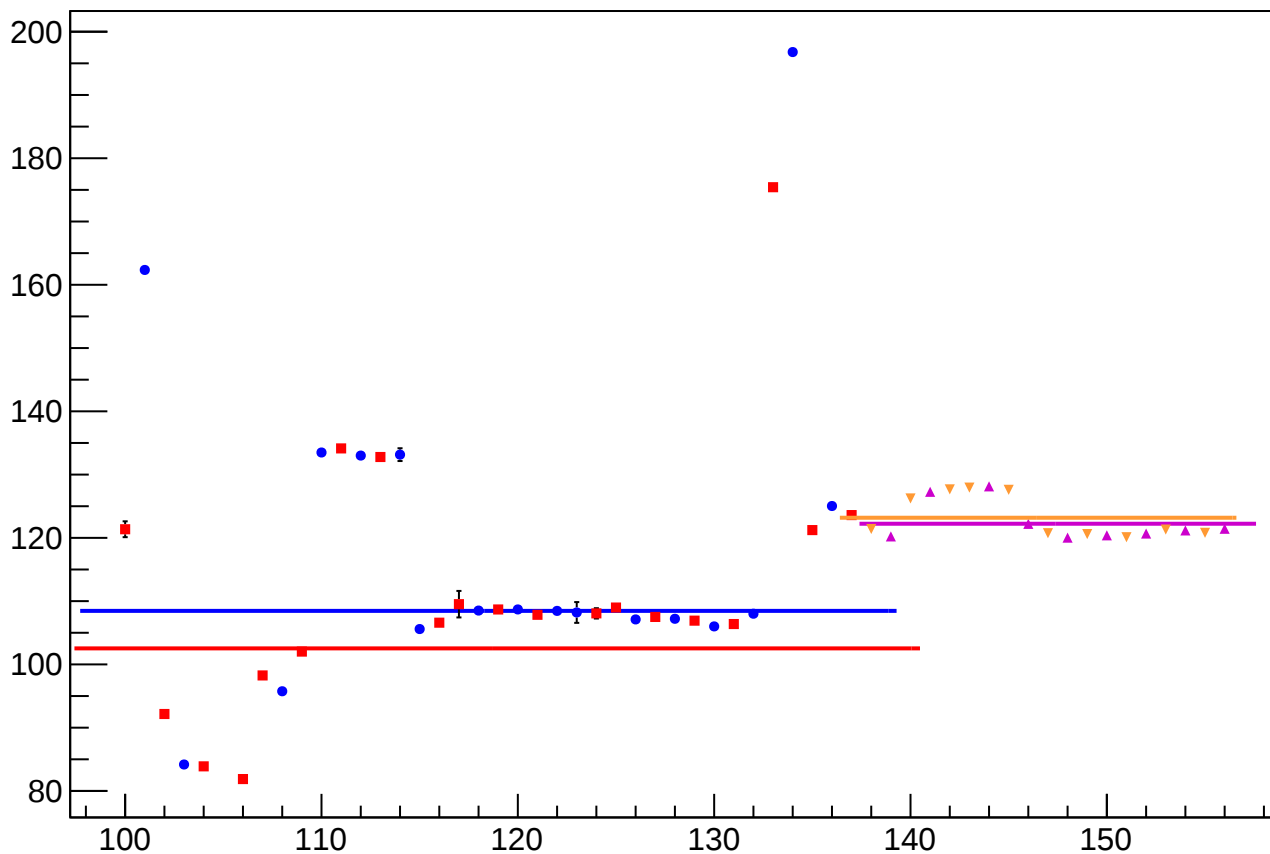
Right Out: -93.579 ± 1.608 χ^2/NDF : 827.7/19

Left In: -61.839 ± 1.290 χ^2/NDF : 134.3/8

-80.834 ± 0.996 χ^2/NDF : 1402.6/26

-74.260 ± 1.006 χ^2/NDF : 1199.0/28

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460+/-0.085 χ^2/NDF : 73301.9/16

Left Out: 123.181+/-0.062 χ^2/NDF : 2620.6/9

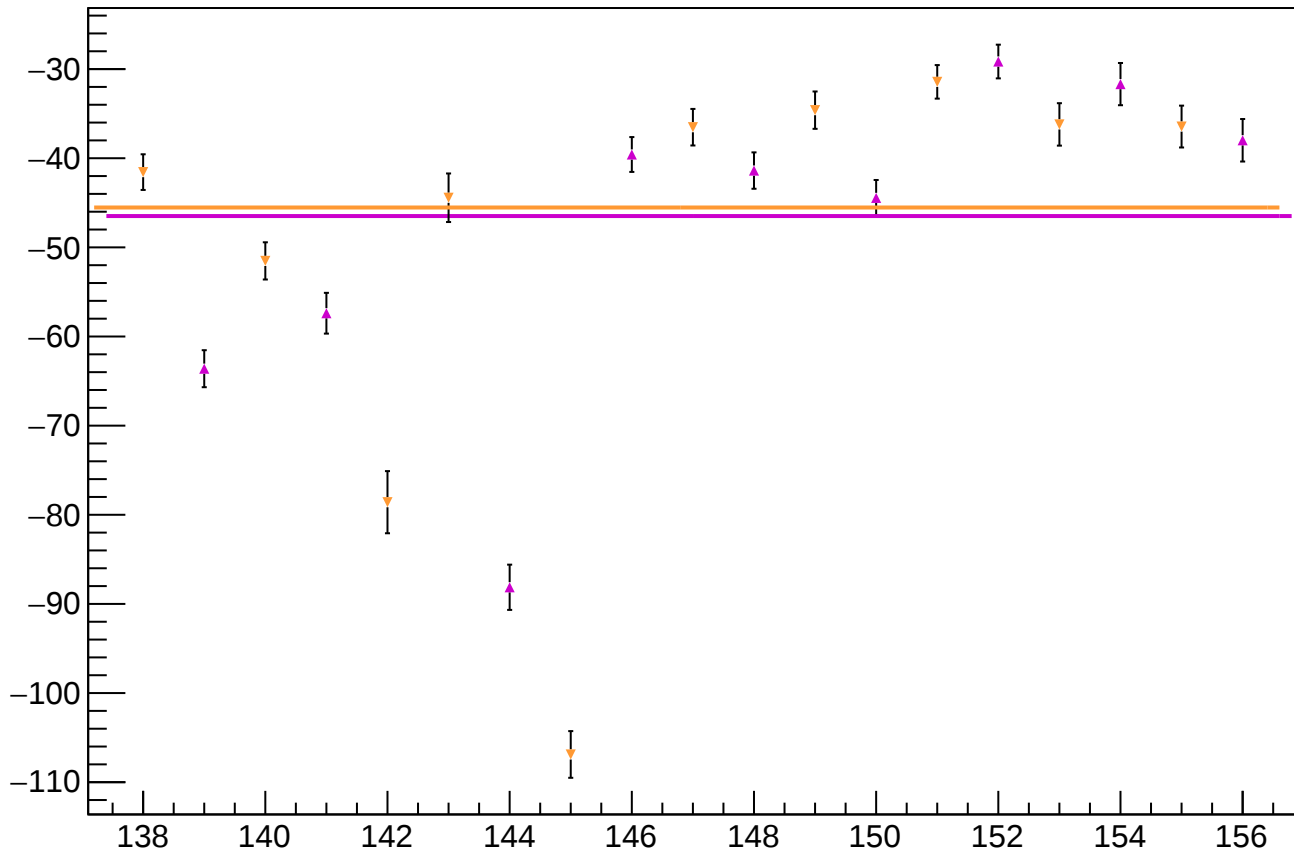
Right Out: 102.532+/-0.079 χ^2/NDF : 53003.2/19

Left In: 122.232+/-0.062 χ^2/NDF : 2122.3/8

118.090+/-0.050 χ^2/NDF : 95545.4/26

114.707+/-0.049 χ^2/NDF : 93084.5/28

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -45.527+/-0.716 χ^2/NDF : 784.0/9

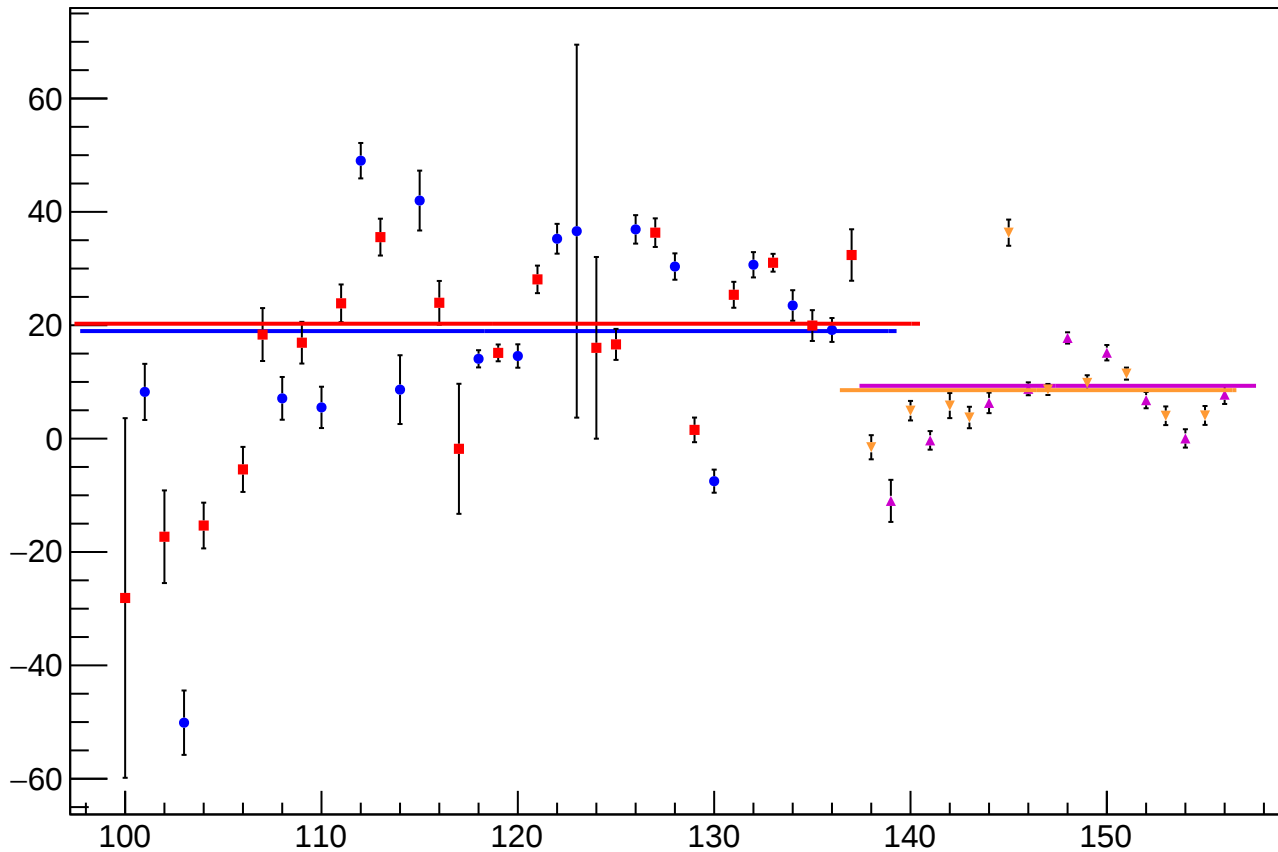
-45.527+/-0.716 χ^2/NDF : 784.0/9

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

Left In: -46.487+/-0.714 χ^2/NDF : 515.6/8

-46.487+/-0.714 χ^2/NDF : 515.6/8

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 8.549 ± 0.474 χ^2/NDF : 202.5/9

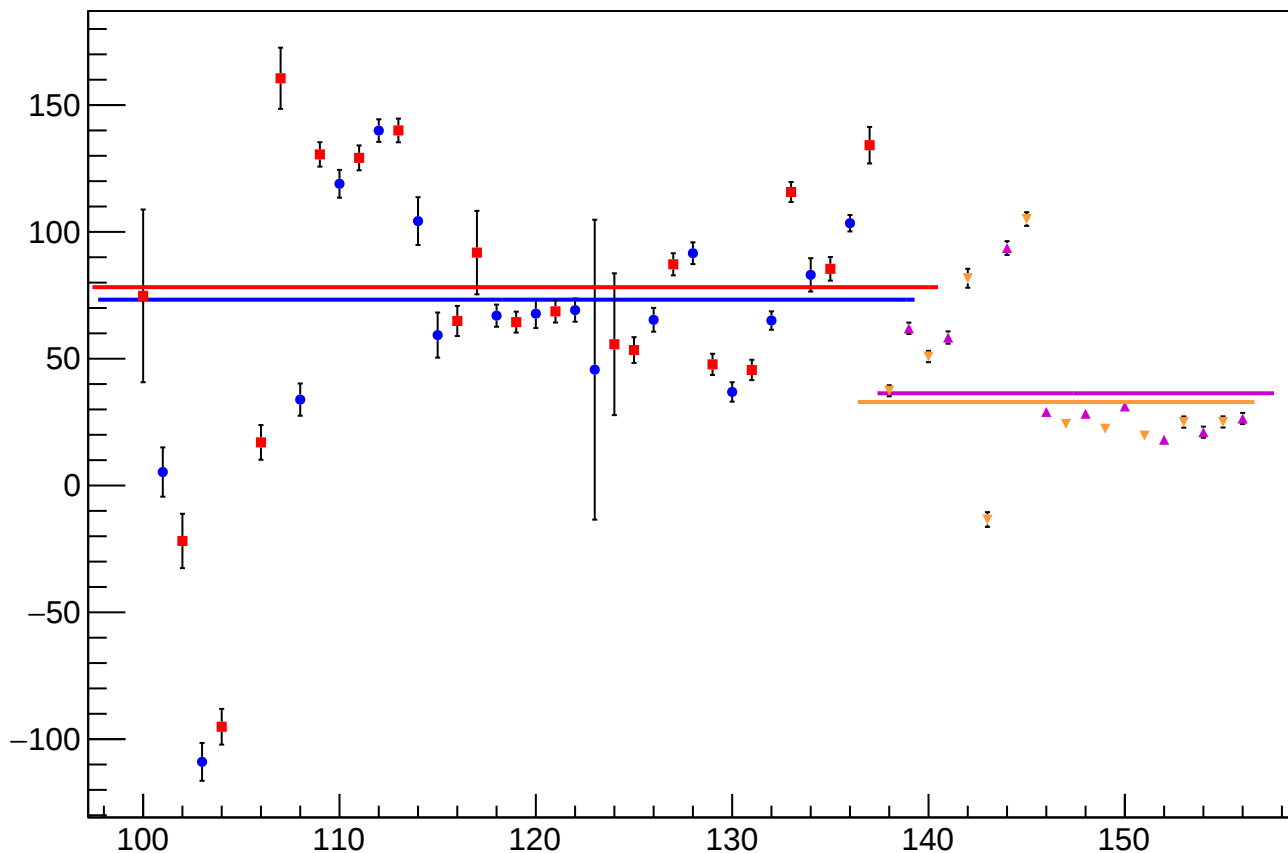
Right Out: 20.269 ± 0.641 χ^2/NDF : 370.1/19

Left In: 9.317 ± 0.482 χ^2/NDF : 195.1/8

12.148 ± 0.384 χ^2/NDF : 987.6/26

13.266 ± 0.385 χ^2/NDF : 751.7/28

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278+/-1.236 χ^2/NDF : 1198.6/16

Left Out: 32.930+/-0.708 χ^2/NDF :1335.5/9

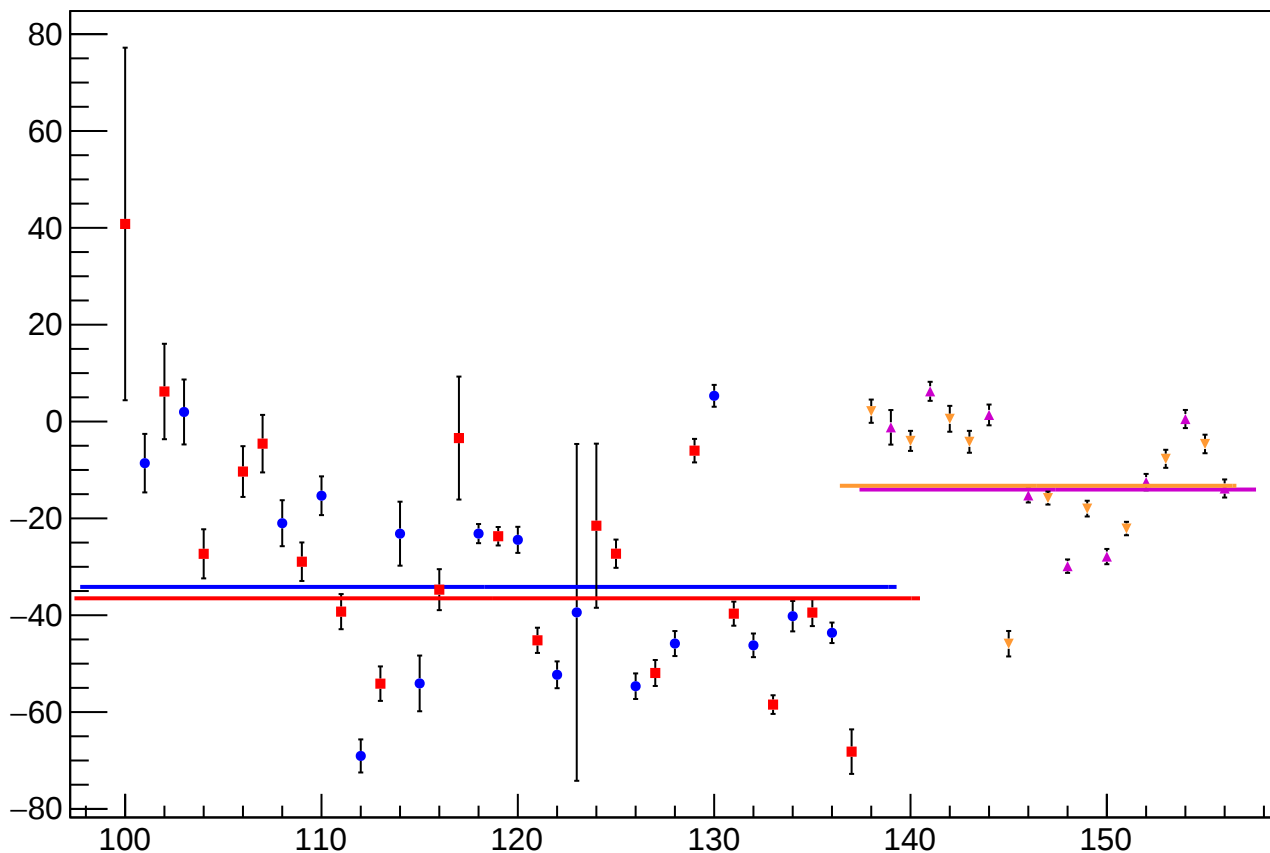
Right Out: 78.205+/-1.219 χ^2/NDF : 1544.0/19

Left In: 36.368+/-0.697 χ^2/NDF :868.4/8

42.889+/-0.614 χ^2/NDF : 3336.1/26

46.663+/-0.605 χ^2/NDF : 3300.2/28

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 $\chi^2/\text{NDF}: 717.5/16$

Left Out: -13.264 ± 0.587 $\chi^2/\text{NDF}: 339.6/9$

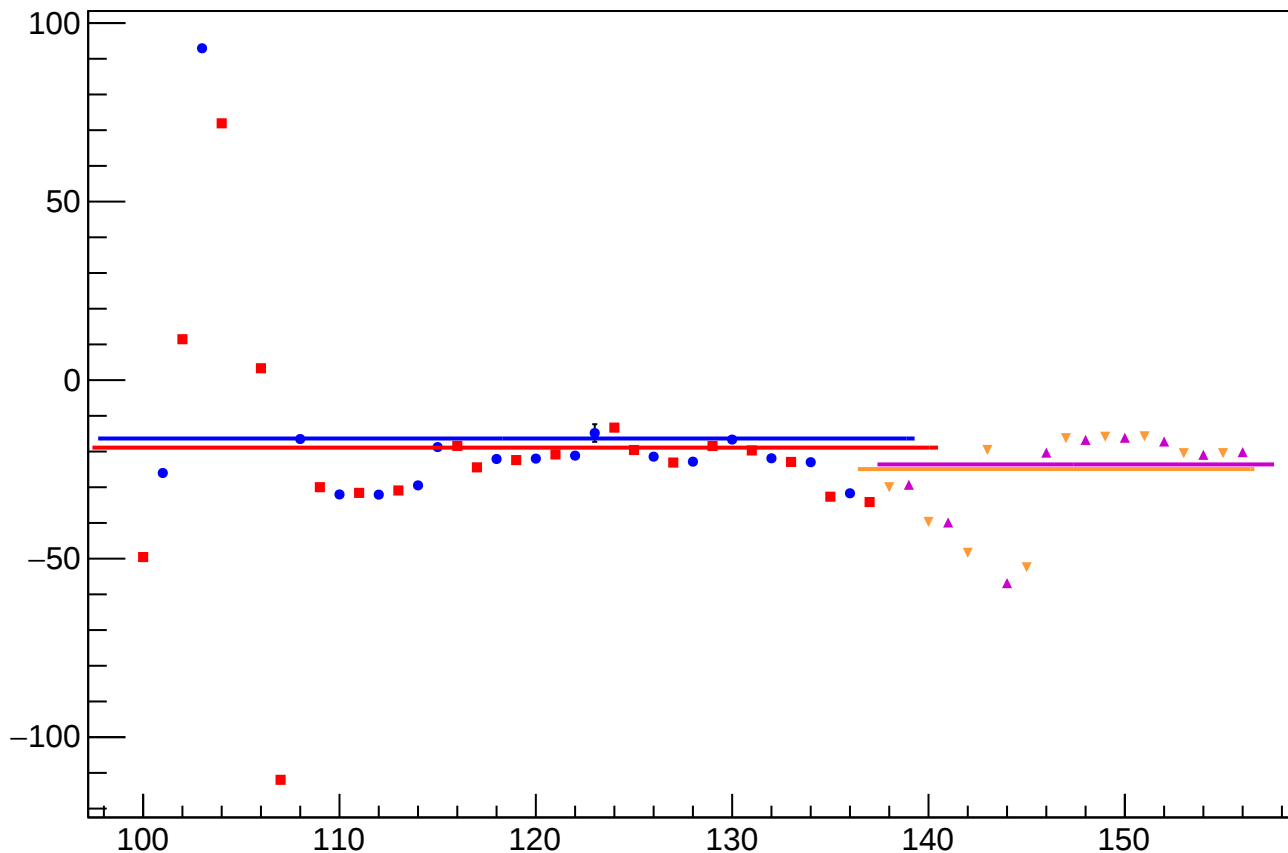
Right Out: -36.507 ± 0.735 $\chi^2/\text{NDF}: 553.8/19$

Left In: -14.043 ± 0.591 $\chi^2/\text{NDF}: 440.1/8$

-21.269 ± 0.461 $\chi^2/\text{NDF}: 1542.2/26$

-22.866 ± 0.460 $\chi^2/\text{NDF}: 1561.9/28$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -24.916 ± 0.029 $\chi^2/\text{NDF}: 160810.5/9$

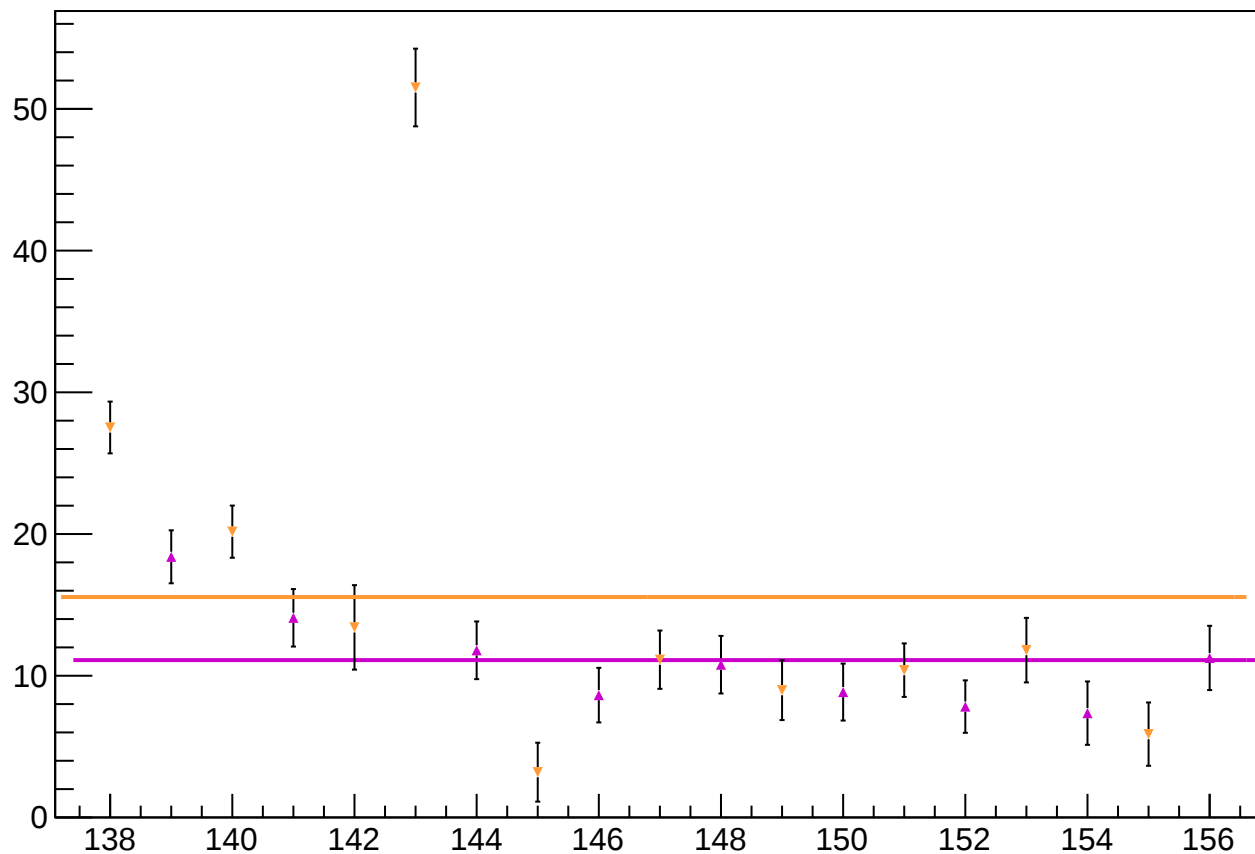
Right Out: -18.906 ± 0.045 $\chi^2/\text{NDF}: 433847.1/19$

Left In: -23.609 ± 0.028 $\chi^2/\text{NDF}: 139121.9/8$

-22.412 ± 0.024 $\chi^2/\text{NDF}: 661063.6/26$

-22.338 ± 0.024 $\chi^2/\text{NDF}: 580864.0/28$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 15.554+/-0.673 χ^2/NDF : 300.3/9

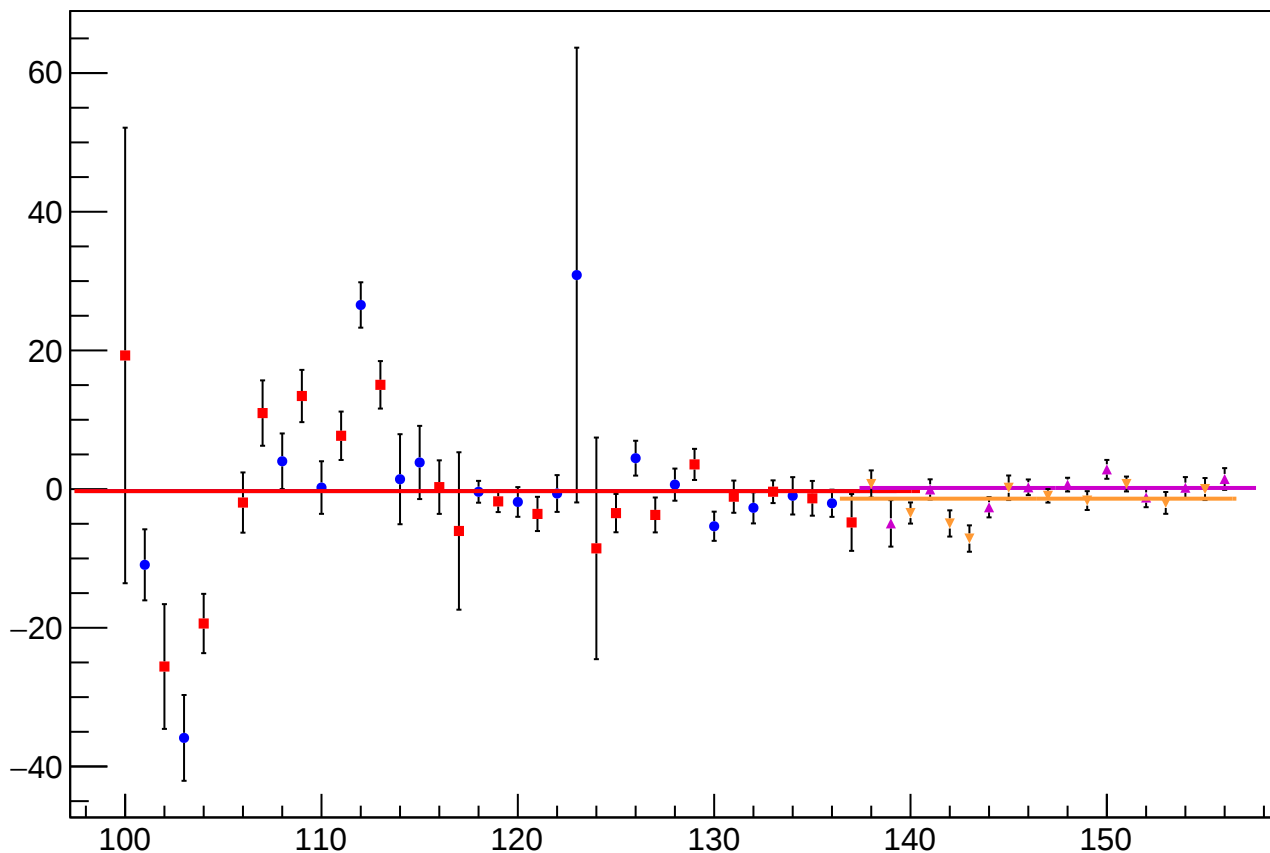
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 11.103+/-0.672 χ^2/NDF : 26.4/8

15.554+/-0.673 χ^2/NDF : 300.3/9

11.103+/-0.672 χ^2/NDF : 26.4/8

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -1.378 ± 0.455 χ^2/NDF : 21.5/9

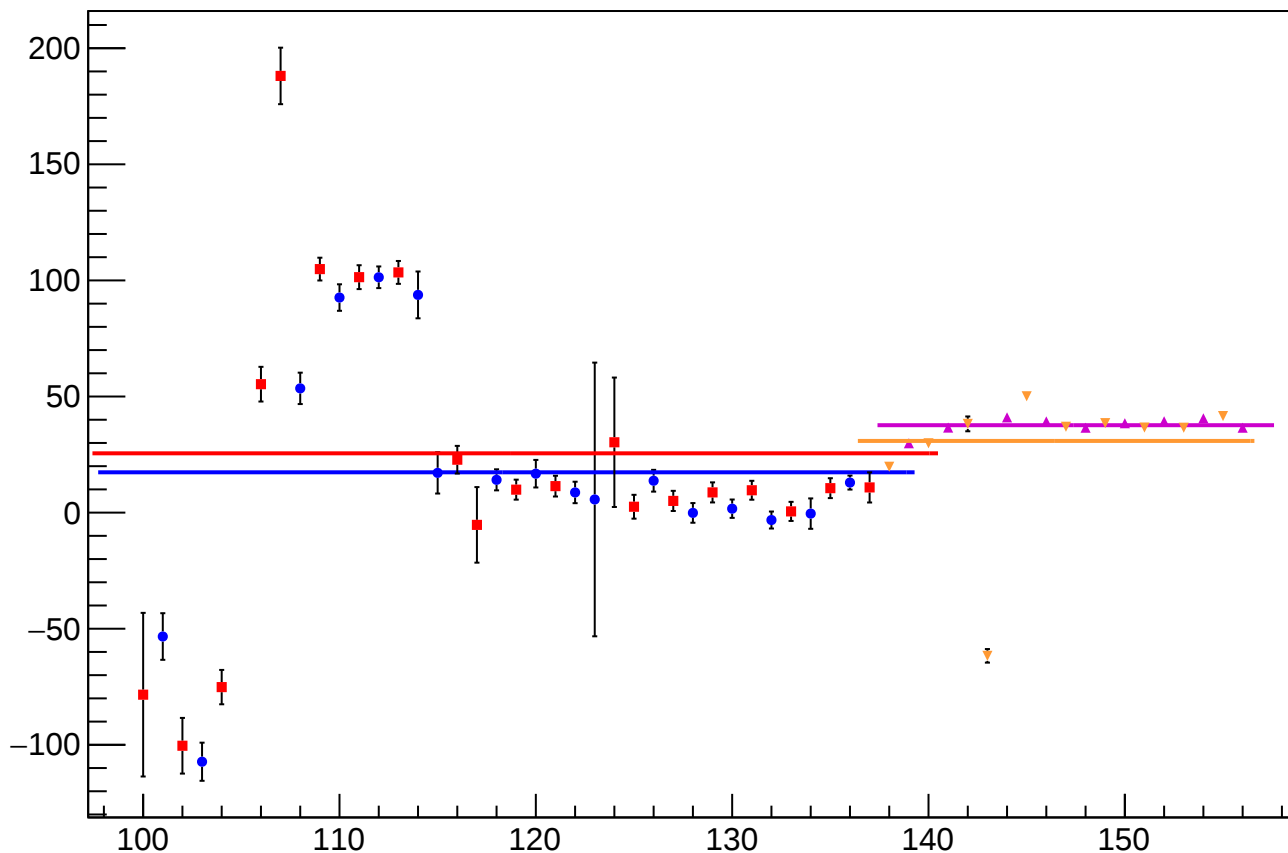
Right Out: -0.289 ± 0.655 χ^2/NDF : 83.4/19

Left In: 0.165 ± 0.460 χ^2/NDF : 11.8/8

-1.026 ± 0.375 χ^2/NDF : 142.9/26

0.015 ± 0.377 χ^2/NDF : 95.5/28

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16

Left Out: 30.873+/-0.670 χ^2/NDF :1184.1/9

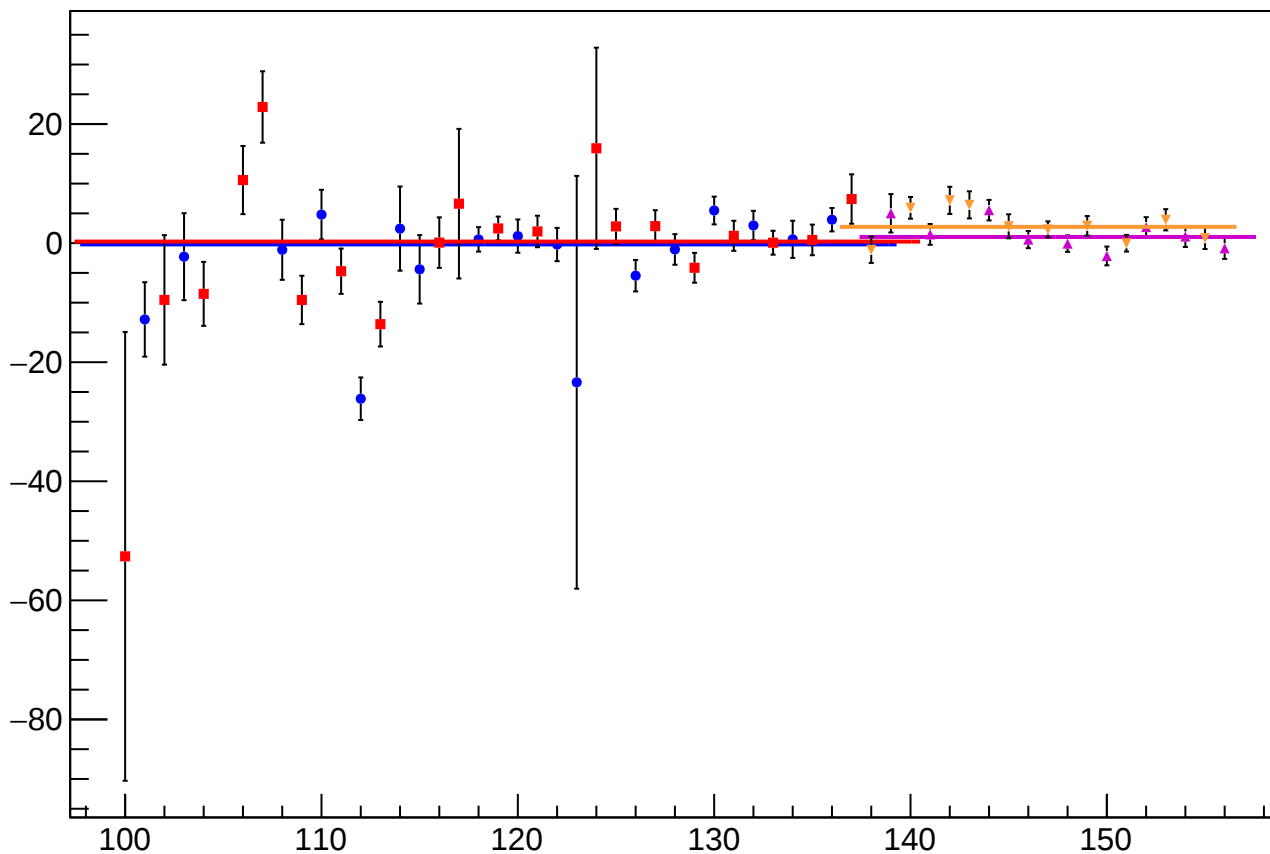
Right Out: 25.537+/-1.239 χ^2/NDF : 1382.4/19

Left In: 37.649+/-0.660 χ^2/NDF :21.9/8

27.847+/-0.590 χ^2/NDF : 2218.3/26

34.976+/-0.582 χ^2/NDF : 1478.7/28

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.729 ± 0.560 χ^2/NDF : 18.1/9

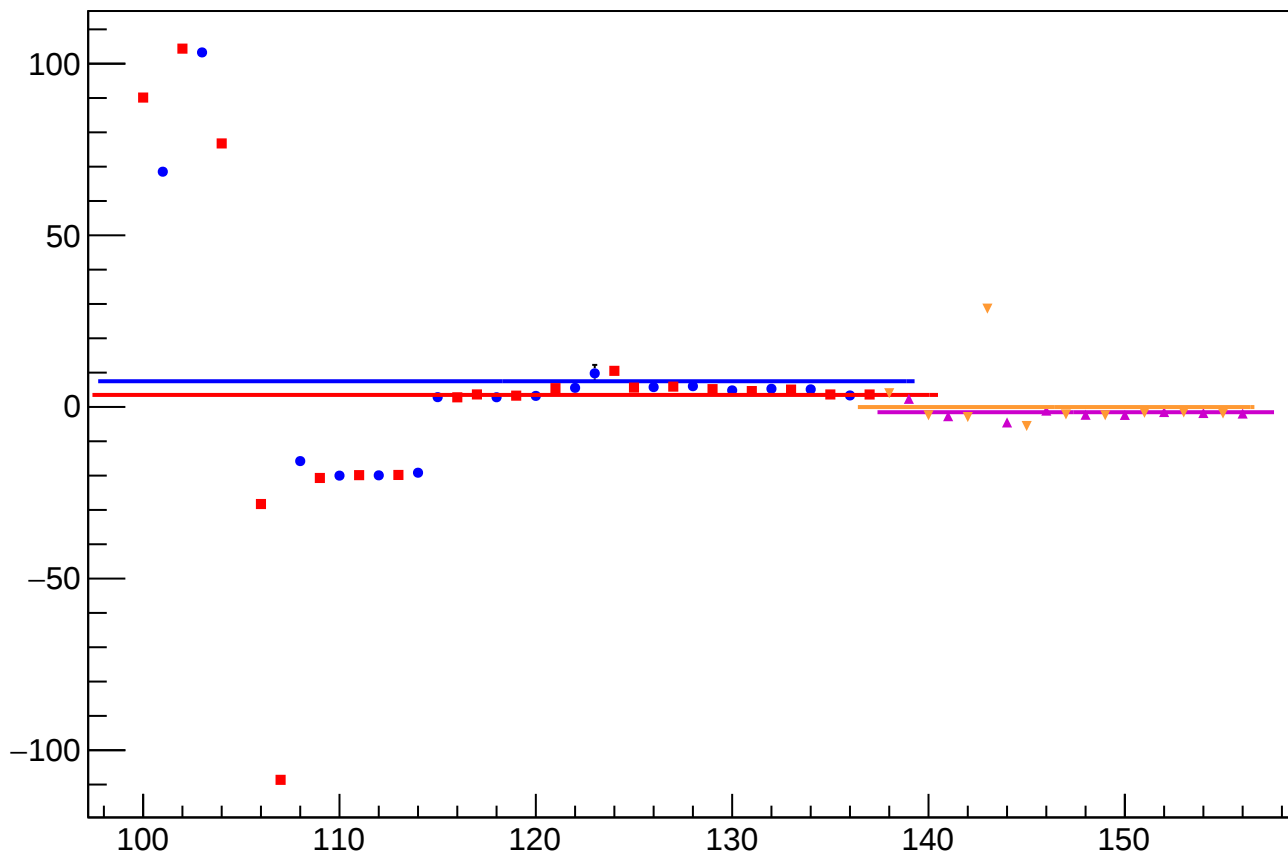
Right Out: 0.262 ± 0.747 χ^2/NDF : 54.8/19

Left In: 1.035 ± 0.562 χ^2/NDF : 15.4/8

1.680 ± 0.449 χ^2/NDF : 103.8/26

0.756 ± 0.449 χ^2/NDF : 70.8/28

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492 ± 0.045 χ^2/NDF : 355979.0/16

Left Out: -0.032 ± 0.027 χ^2/NDF : 71078.2/9

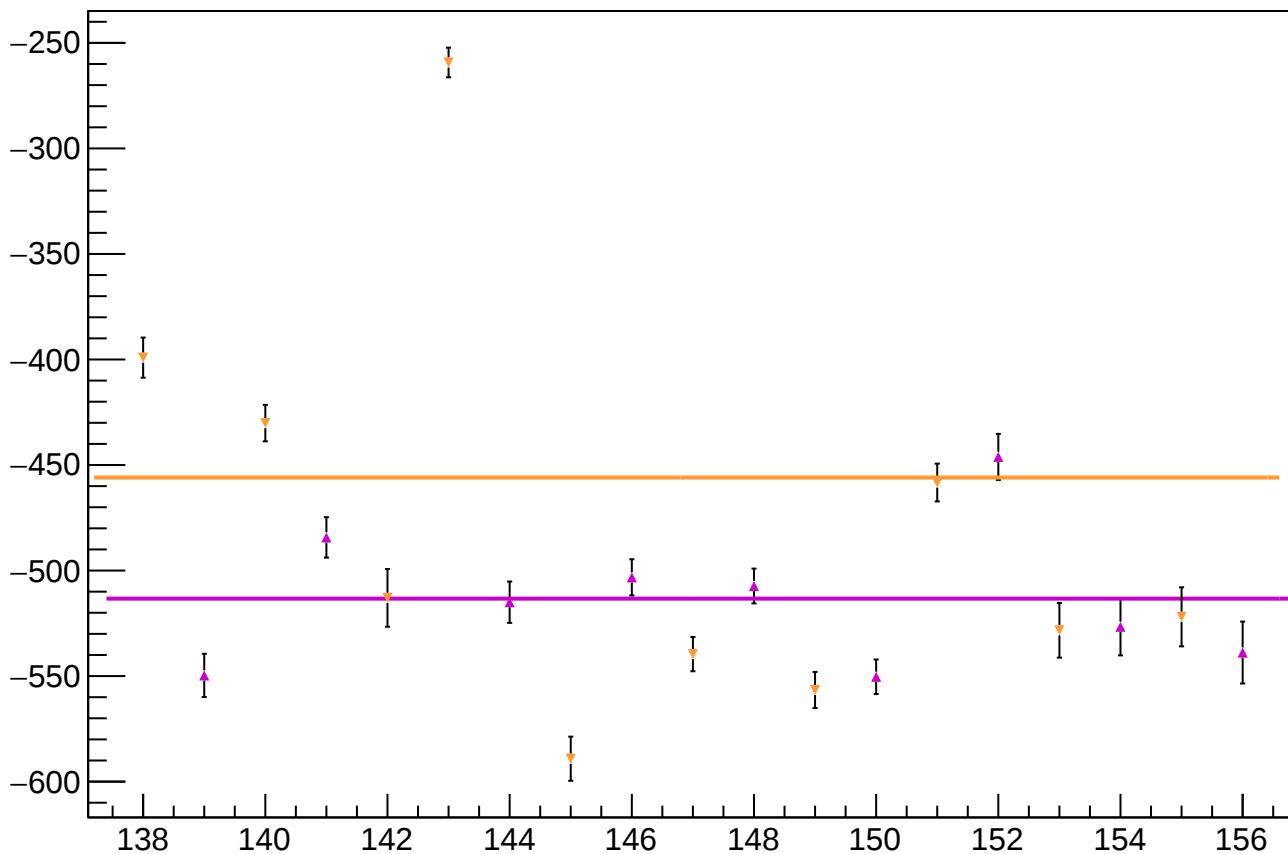
Right Out: 3.504 ± 0.046 χ^2/NDF : 510579.5/19

Left In: -1.532 ± 0.026 χ^2/NDF : 4404.7/8

1.985 ± 0.023 χ^2/NDF : 447857.2/26

-0.295 ± 0.023 χ^2/NDF : 524209.5/28

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -455.922+/-2.993 χ^2/NDF :1307.4/9

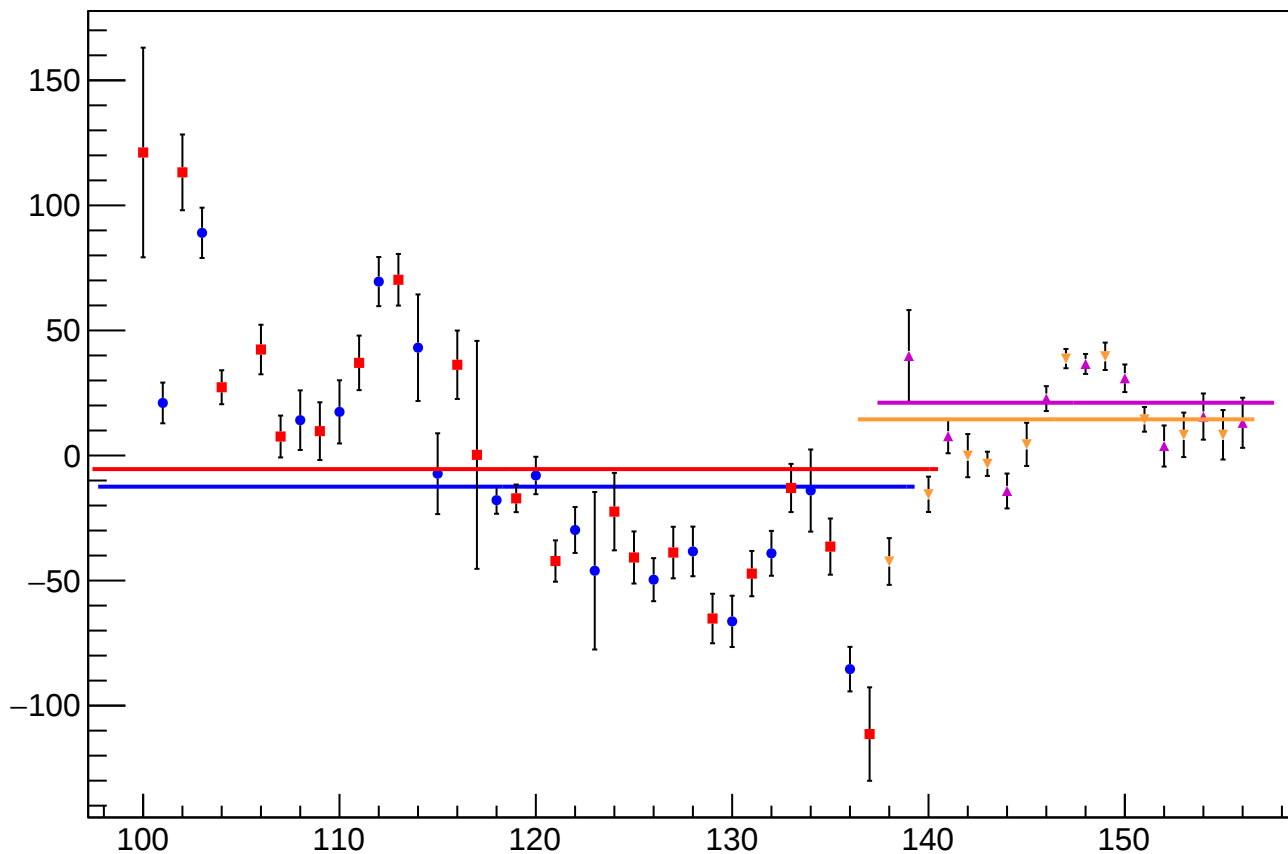
-455.922+/-2.993 χ^2/NDF : 1307.4/9

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

-513.298+/-3.287 χ^2/NDF : 86.0/8

Left In: -513.298+/-3.287 χ^2/NDF :86.0/8

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 14.463 ± 1.939 χ^2/NDF : 134.6/9

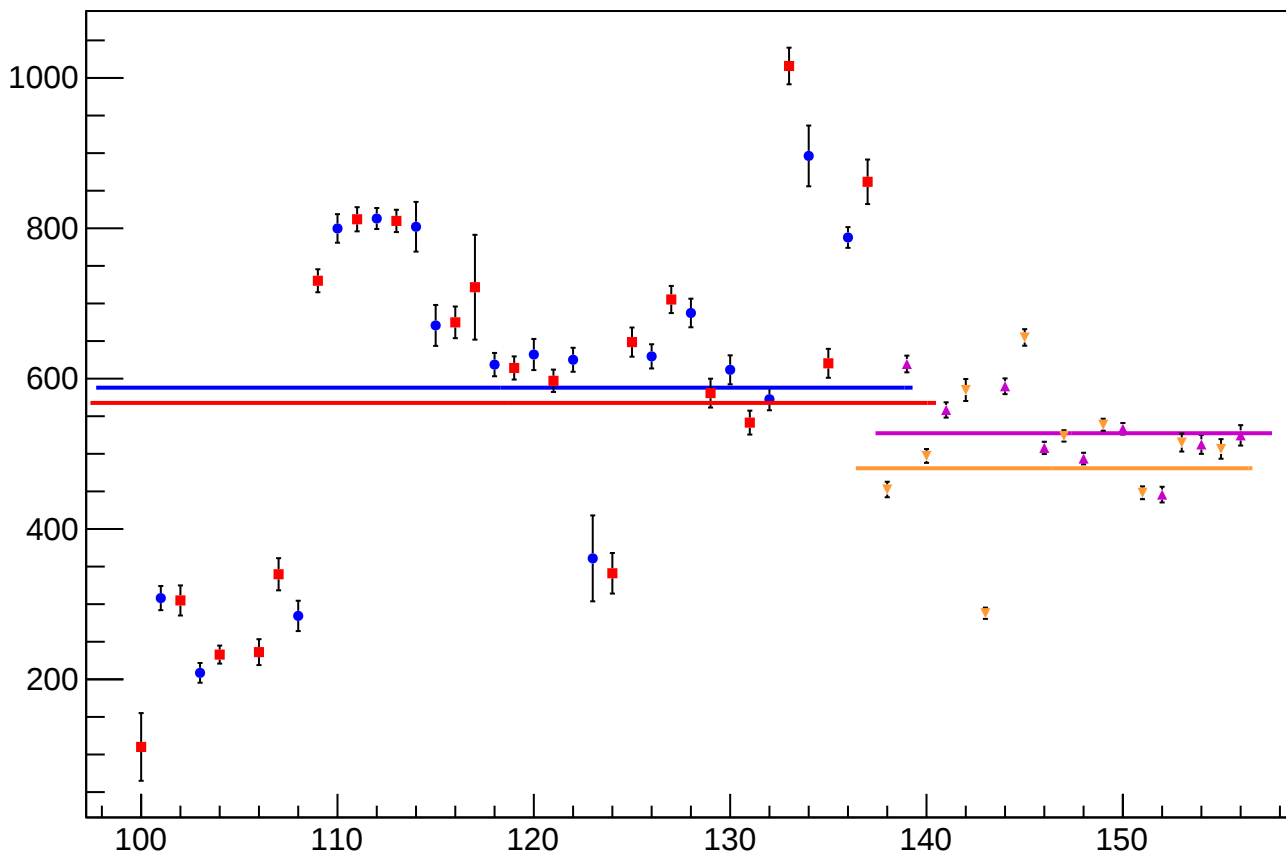
Right Out: -5.439 ± 2.256 χ^2/NDF : 345.0/19

Left In: 21.102 ± 2.144 χ^2/NDF : 54.3/8

3.552 ± 1.495 χ^2/NDF : 553.8/26

8.506 ± 1.554 χ^2/NDF : 472.0/28

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994 $\pm$ 4.353 χ^2 /NDF: 2129.6/16

Left Out: 480.793 $\pm$ 2.995 χ^2 /NDF:1084.9/9

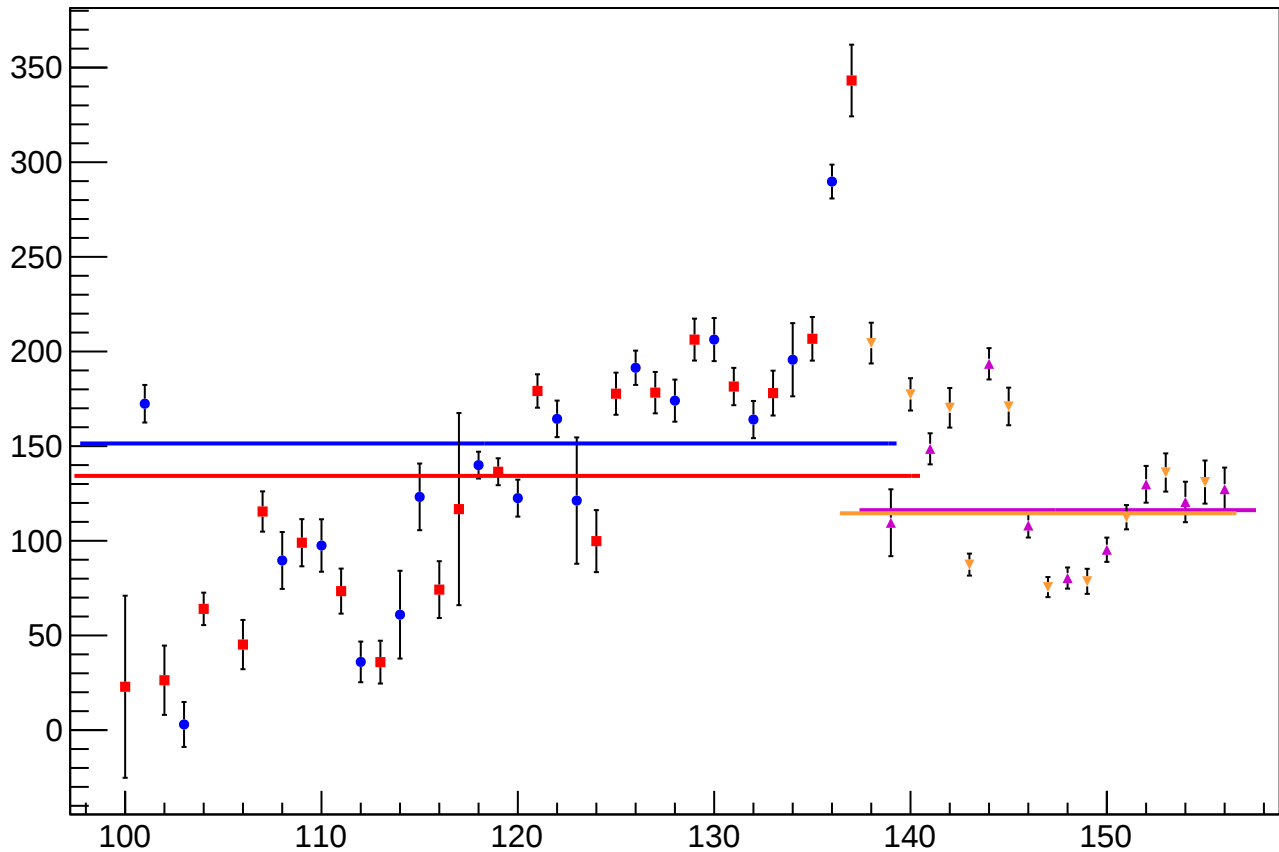
Right Out: 567.720 $\pm$ 4.129 χ^2 /NDF: 2788.1/19

Left In: 527.394 $\pm$ 3.220 χ^2 /NDF:201.3/8

515.234 $\pm$ 2.467 χ^2 /NDF: 3626.3/26

542.645 $\pm$ 2.539 χ^2 /NDF: 3048.7/28

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421+/-2.709 χ^2/NDF : 633.3/16

Left Out: 114.531+/-2.415 χ^2/NDF : 296.6/9

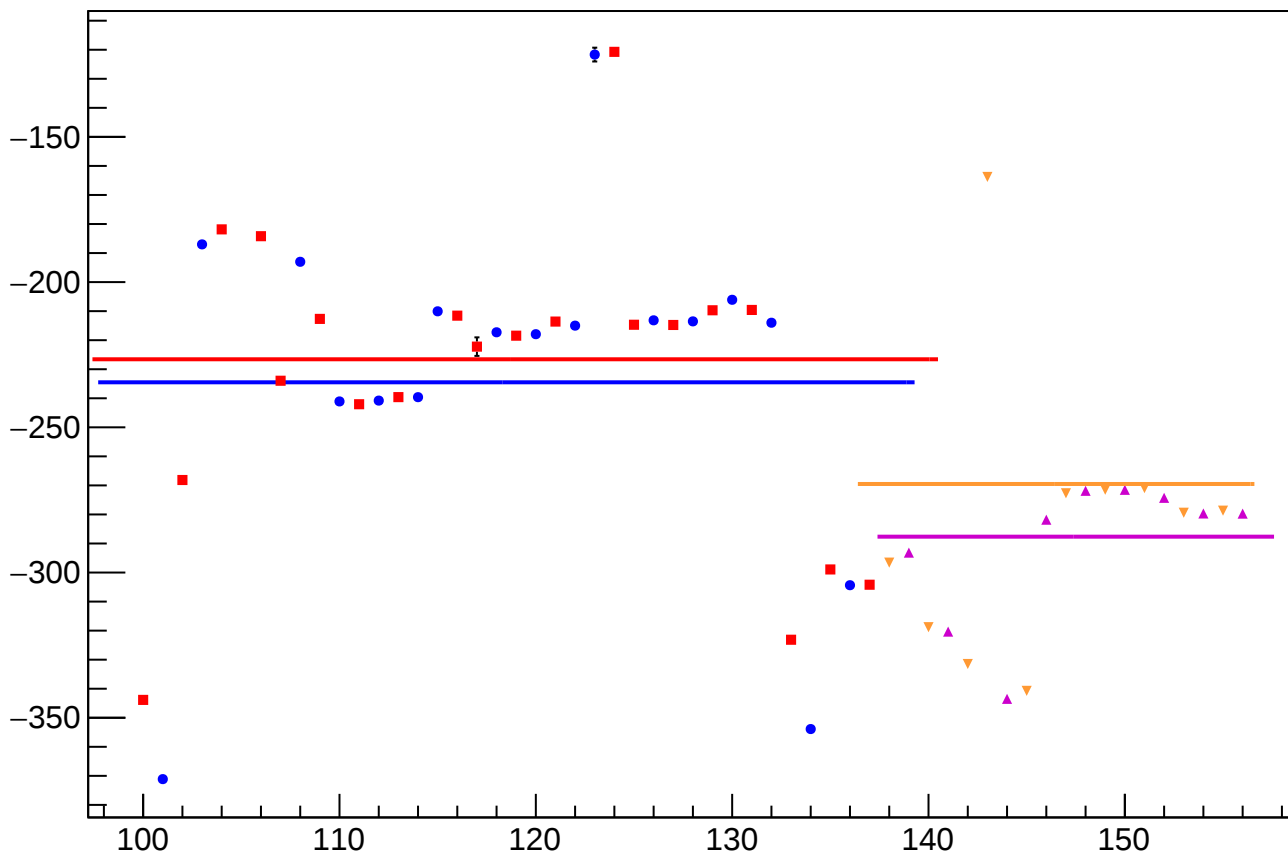
Right Out: 134.299+/-2.612 χ^2/NDF : 585.0/19

Left In: 116.188+/-2.665 χ^2/NDF : 159.8/8

130.867+/-1.803 χ^2/NDF : 1033.2/26

125.426+/-1.866 χ^2/NDF : 768.3/28

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501+/-0.149 χ^2/NDF : 145046.5/16

Left Out: -269.508+/-0.124 χ^2/NDF : 182044.8/9

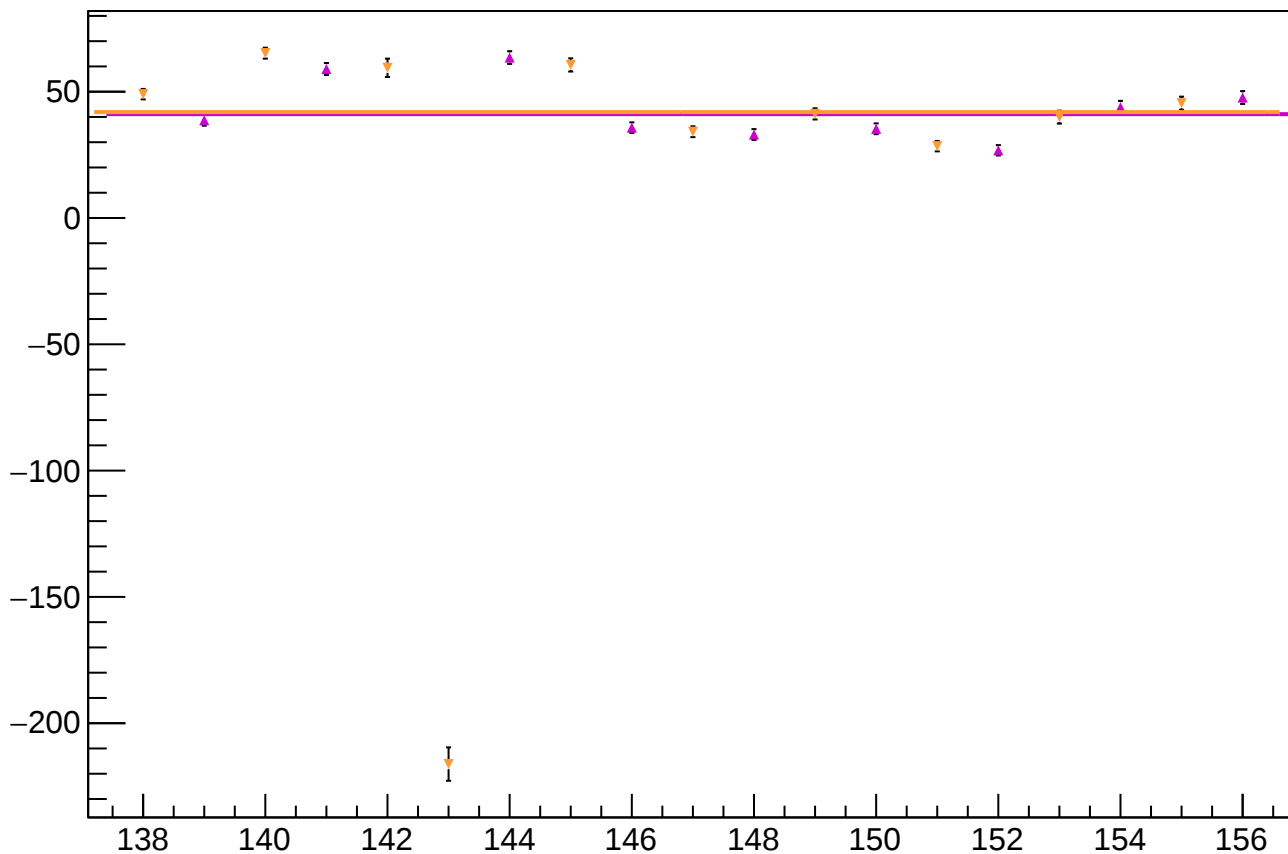
Right Out: -226.572+/-0.141 χ^2/NDF : 98970.7/19

Left In: -287.648+/-0.131 χ^2/NDF : 28008.1/8

-255.187+/-0.095 χ^2/NDF : 359697.7/26

-259.491+/-0.096 χ^2/NDF : 227721.7/28

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 41.923+/-0.780 χ^2/NDF :1783.4/9

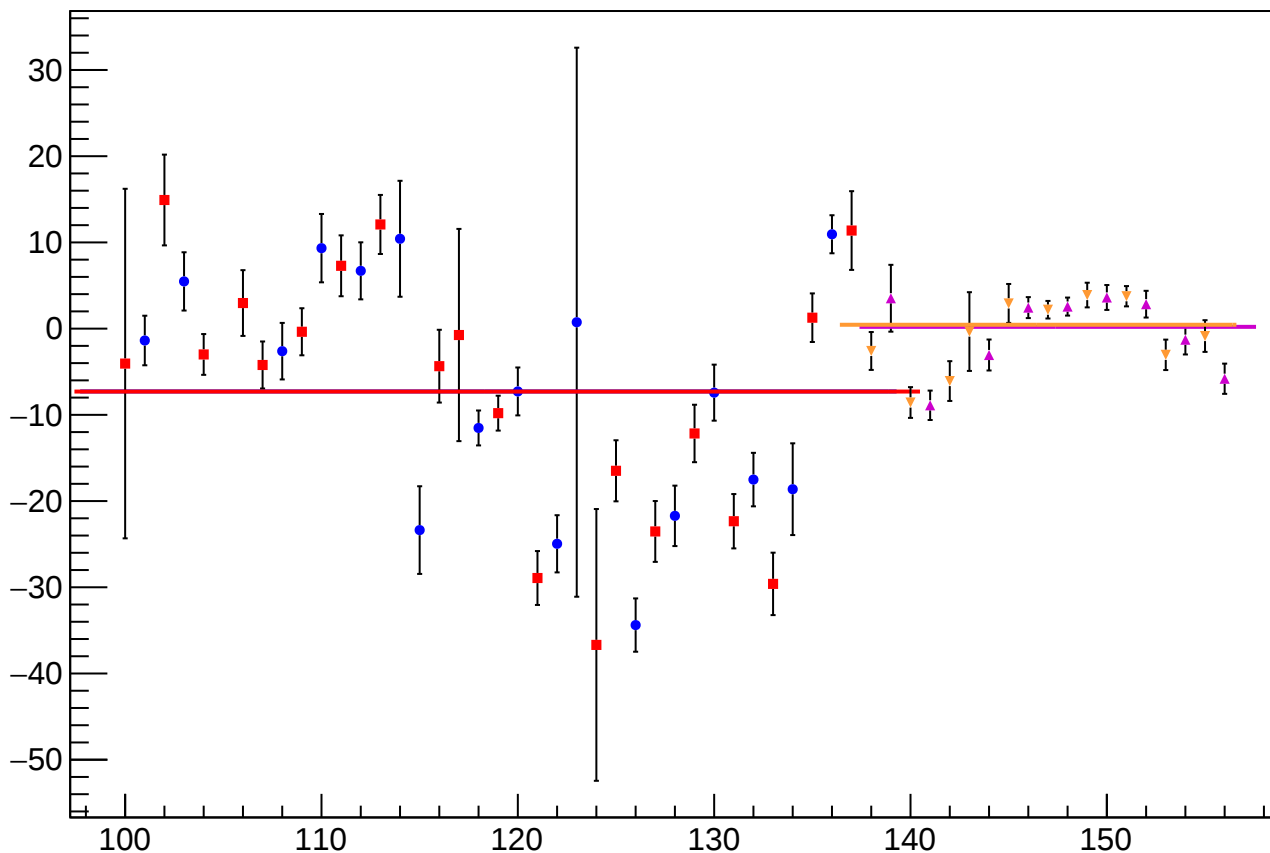
41.923+/-0.780 χ^2/NDF : 1783.4/9

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

Left In: 41.102+/-0.752 χ^2/NDF :221.9/8

41.102+/-0.752 χ^2/NDF : 221.9/8

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: 0.449 ± 0.517 χ^2/NDF : 57.8/9

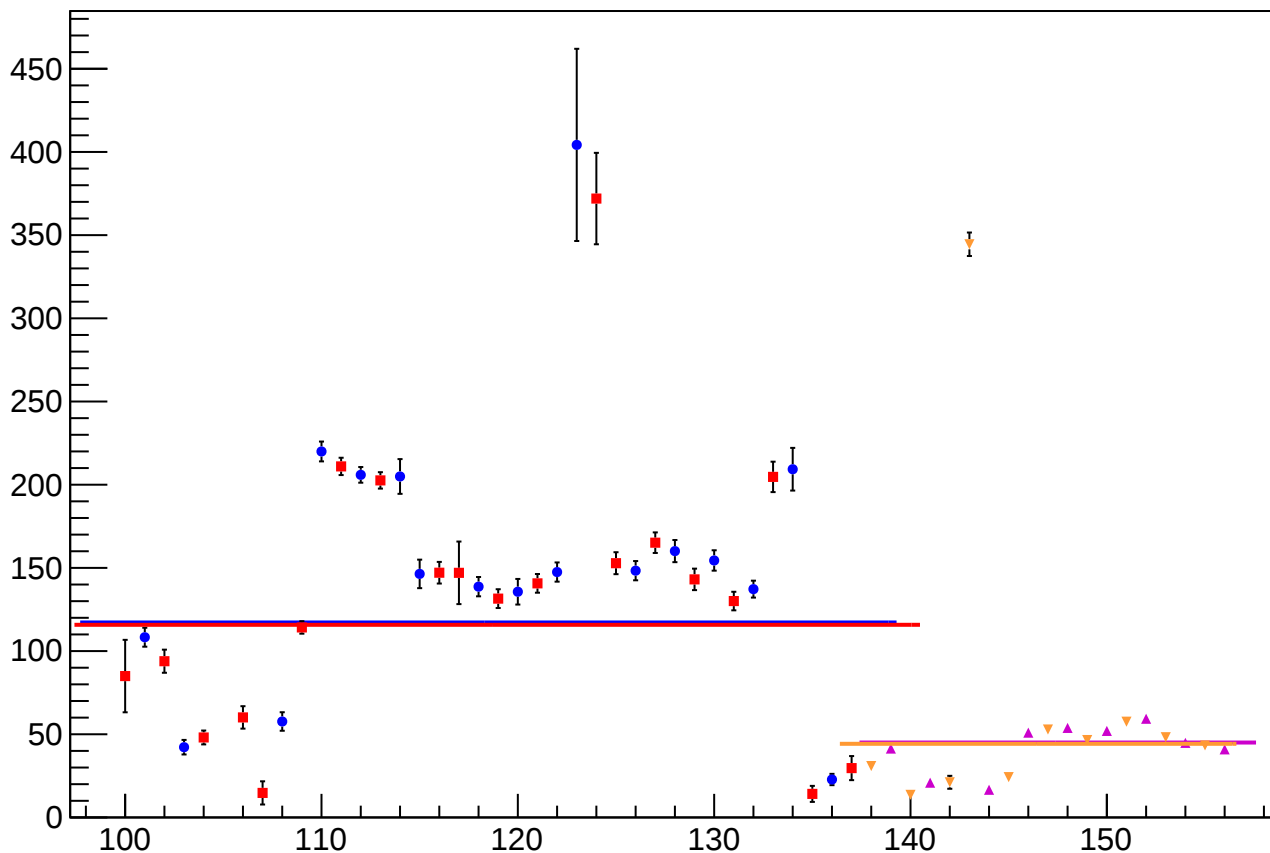
Right Out: -7.298 ± 0.759 χ^2/NDF : 255.6/19

Left In: 0.207 ± 0.508 χ^2/NDF : 61.9/8

-1.875 ± 0.432 χ^2/NDF : 408.3/26

-2.114 ± 0.422 χ^2/NDF : 385.0/28

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187+/-1.416 χ^2/NDF : 2161.0/16

Left Out: 44.265+/-0.769 χ^2/NDF :2178.7/9

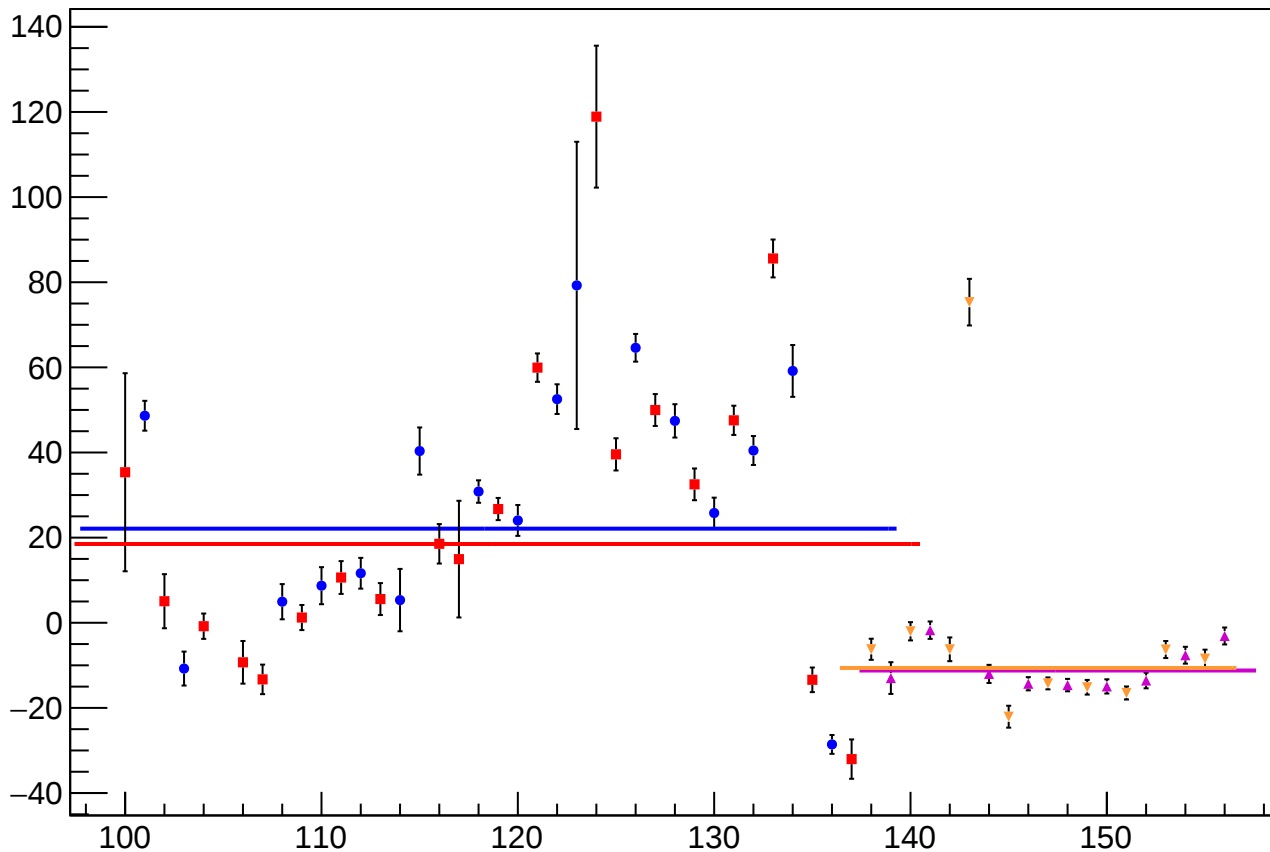
Right Out: 115.795+/-1.357 χ^2/NDF : 2140.4/19

Left In: 45.032+/-0.735 χ^2/NDF :301.2/8

60.874+/-0.676 χ^2/NDF : 6386.7/26

61.084+/-0.647 χ^2/NDF : 4542.5/28

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -10.619 $\pm$ 0.641 χ^2 /NDF: 321.9/9

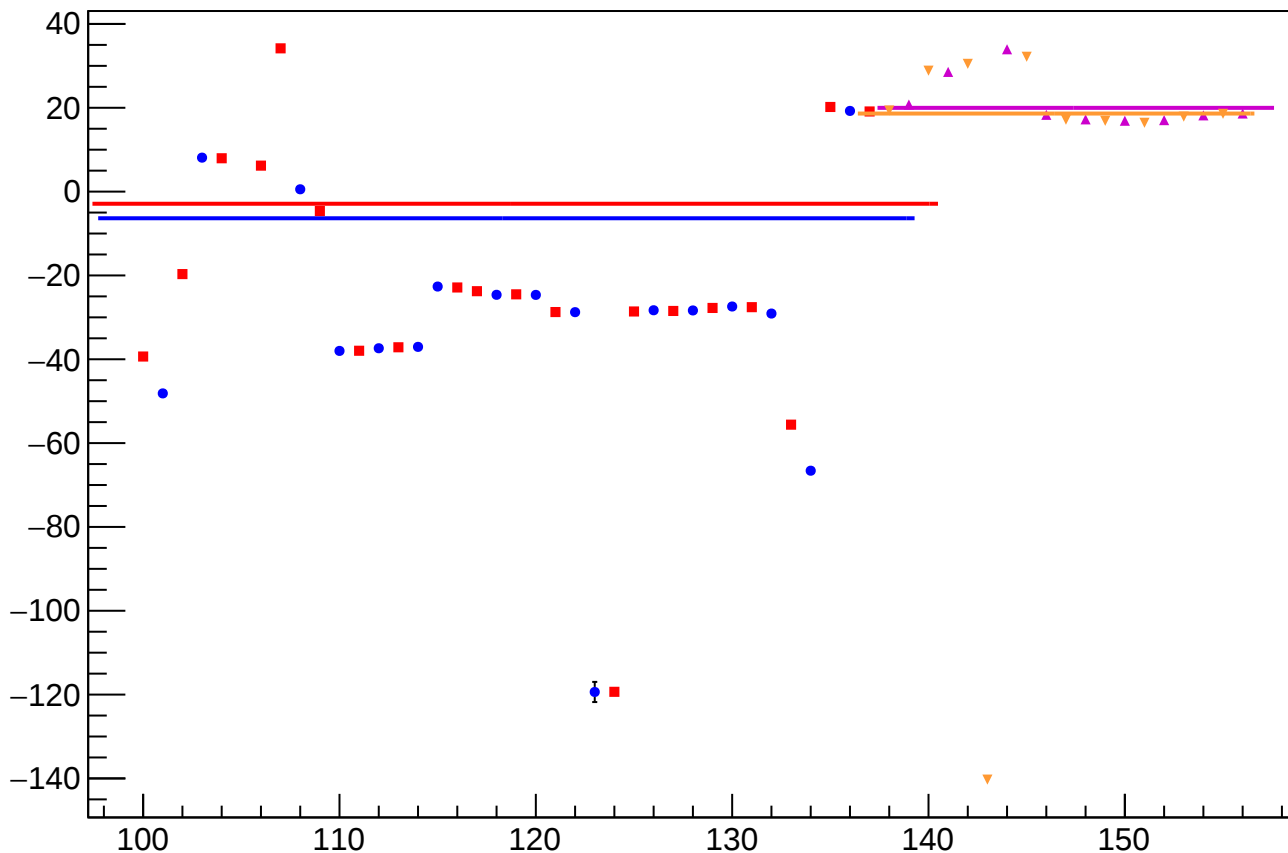
Right Out: 18.506 $\pm$ 0.869 χ^2 /NDF: 1068.6/19

Left In: -11.215 $\pm$ 0.623 χ^2 /NDF: 57.8/8

0.420 $\pm$ 0.522 χ^2 /NDF: 2272.2/26

-1.124 $\pm$ 0.507 χ^2 /NDF: 1898.3/28

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360+/-0.046 χ^2/NDF : 264750.9/16

Left Out: 18.623+/-0.031 χ^2/NDF :348553.9/9

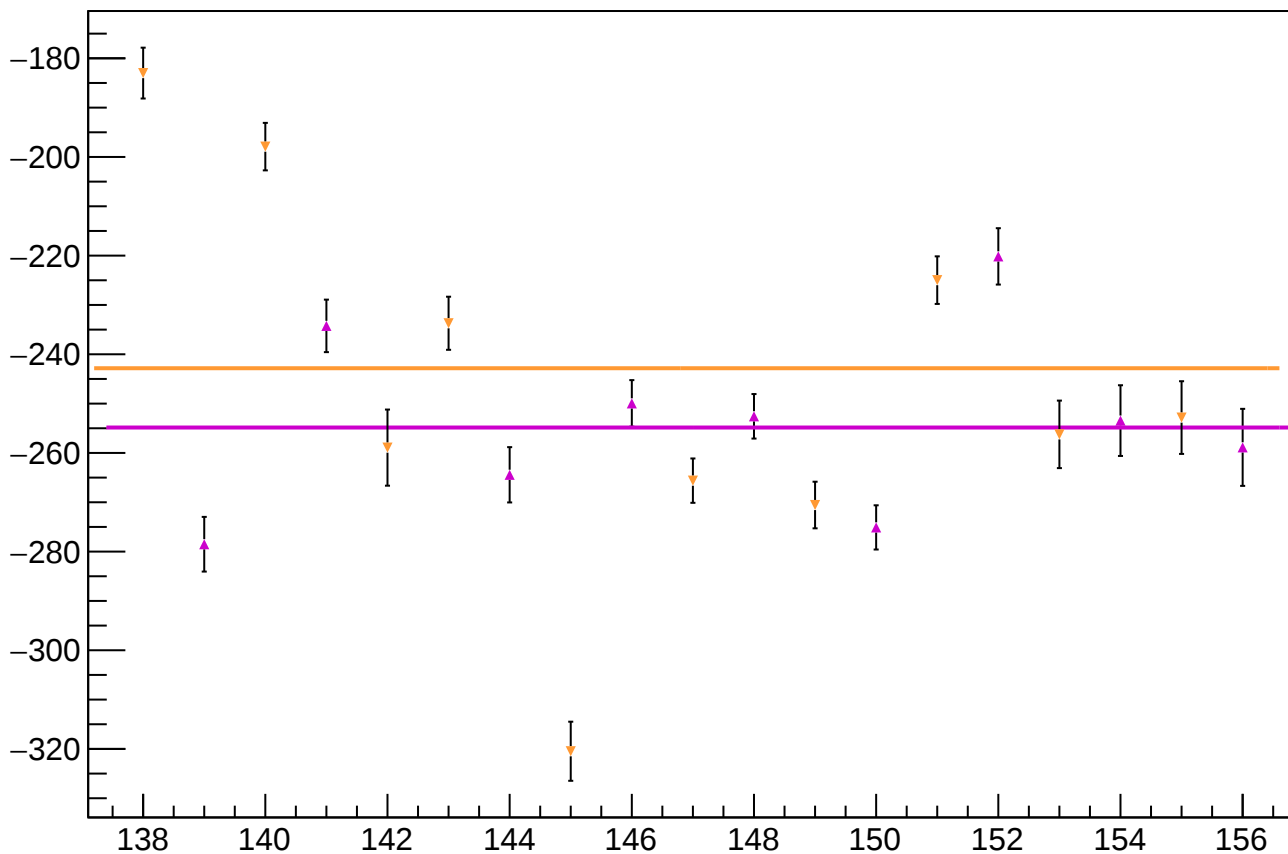
Right Out: -2.896+/-0.046 χ^2/NDF : 266162.6/19

Left In: 19.982+/-0.029 χ^2/NDF :26102.6/8

10.814+/-0.026 χ^2/NDF : 813339.8/26

13.393+/-0.025 χ^2/NDF : 470849.4/28

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -242.829+/-1.723 χ^2/NDF : 476.6/9

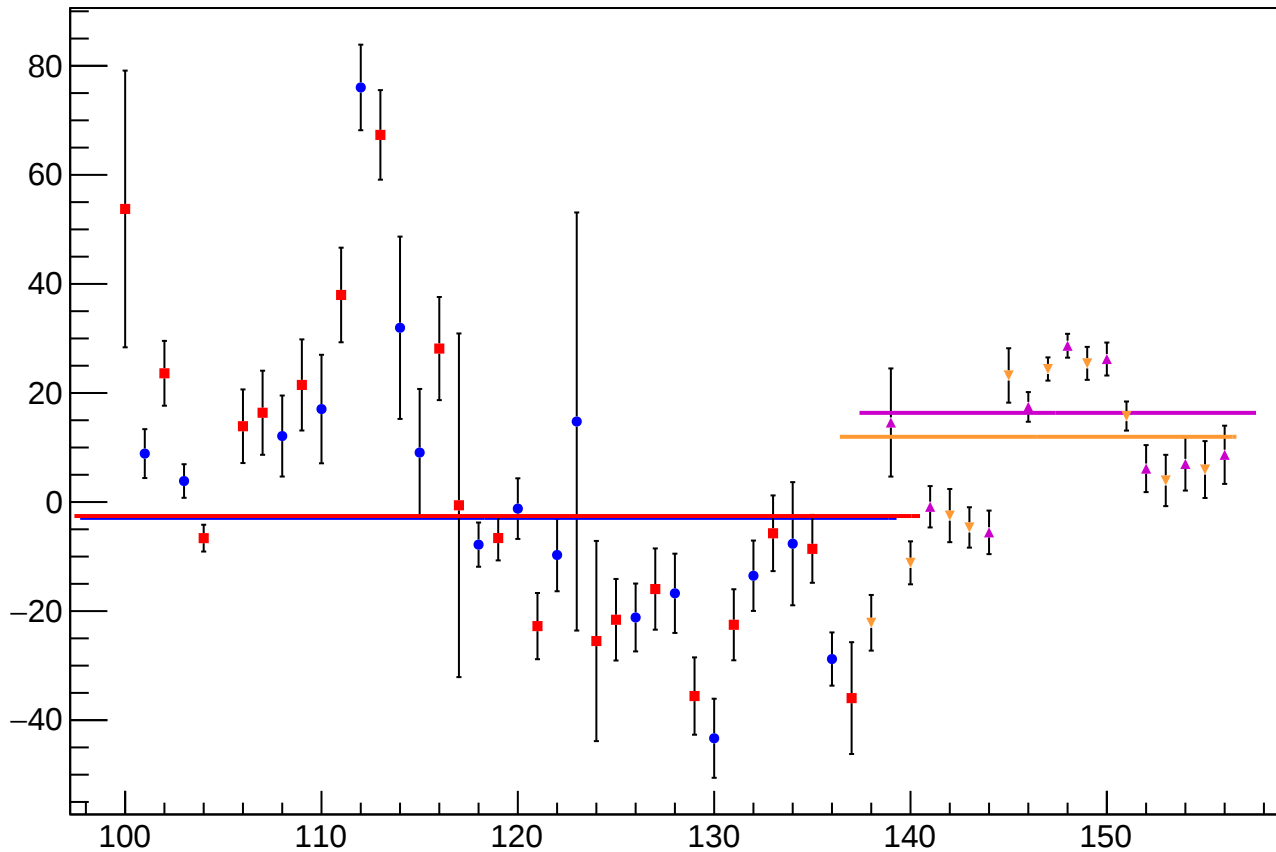
-242.829+/-1.723 χ^2/NDF : 476.6/9

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

-254.849+/-1.796 χ^2/NDF : 95.0/8

Left In: -254.849+/-1.796 χ^2/NDF : 95.0/8

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 11.966 ± 1.111 χ^2/NDF : 173.3/9

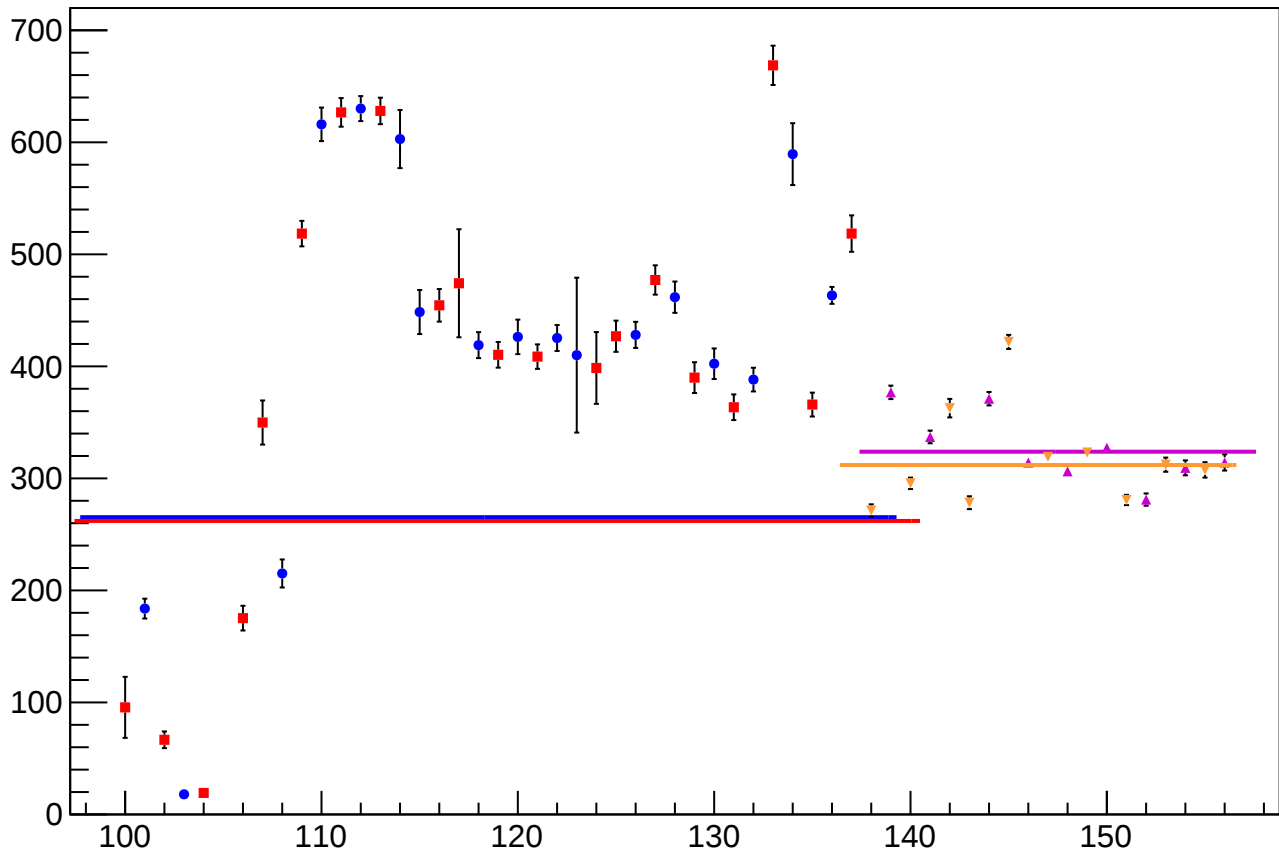
Right Out: -2.566 ± 1.395 χ^2/NDF : 218.2/19

Left In: 16.354 ± 1.173 χ^2/NDF : 104.7/8

6.547 ± 0.886 χ^2/NDF : 442.1/26

8.521 ± 0.898 χ^2/NDF : 430.7/28

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 ± 2.488 $\chi^2/\text{NDF}: 7633.8/16$

Left Out: 311.921 ± 1.711 $\chi^2/\text{NDF}: 495.9/9$

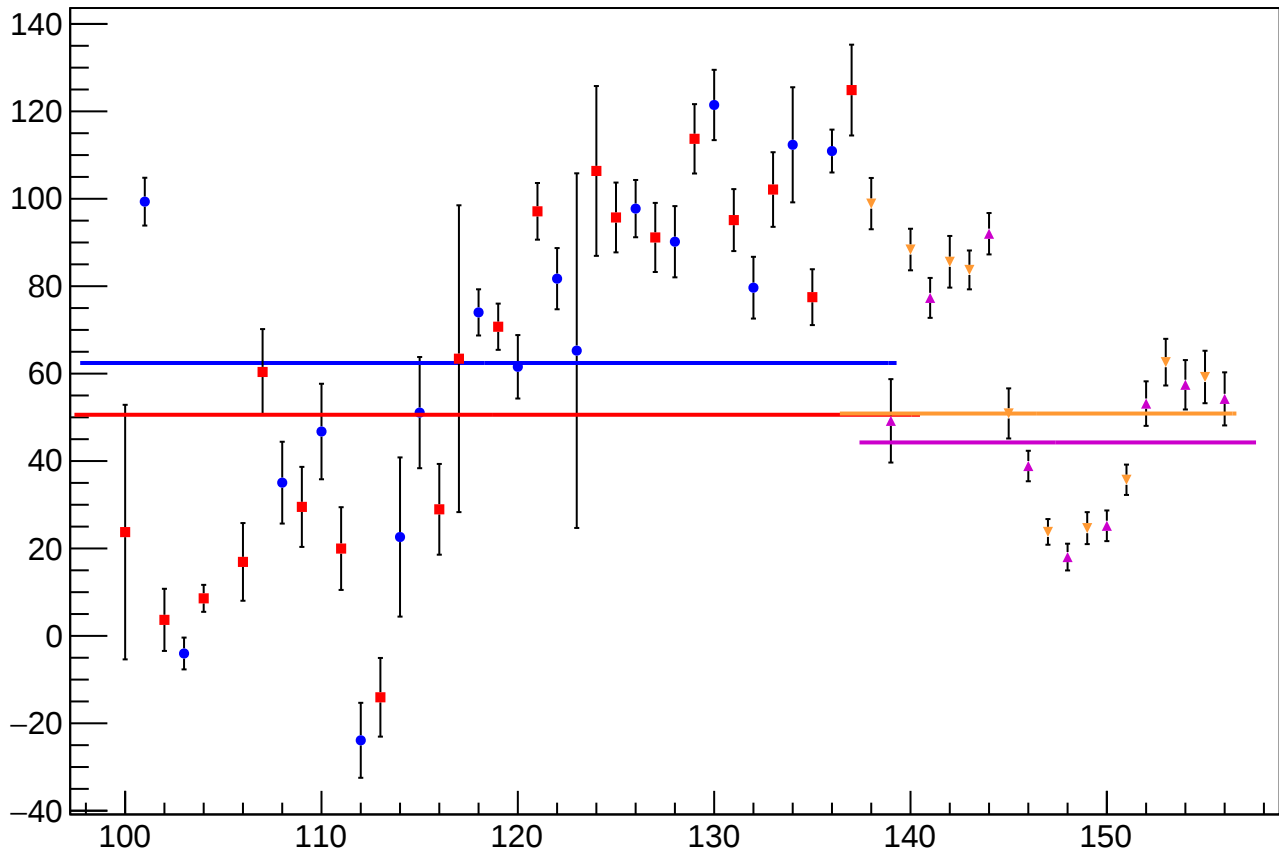
Right Out: 262.016 ± 2.455 $\chi^2/\text{NDF}: 8223.7/19$

Left In: 323.825 ± 1.757 $\chi^2/\text{NDF}: 235.3/8$

296.975 ± 1.410 $\chi^2/\text{NDF}: 8367.4/26$

302.884 ± 1.429 $\chi^2/\text{NDF}: 8878.2/28$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434 $\pm$ 1.694 χ^2 /NDF: 721.8/16

Left Out: 50.868 $\pm$ 1.388 χ^2 /NDF: 380.5/9

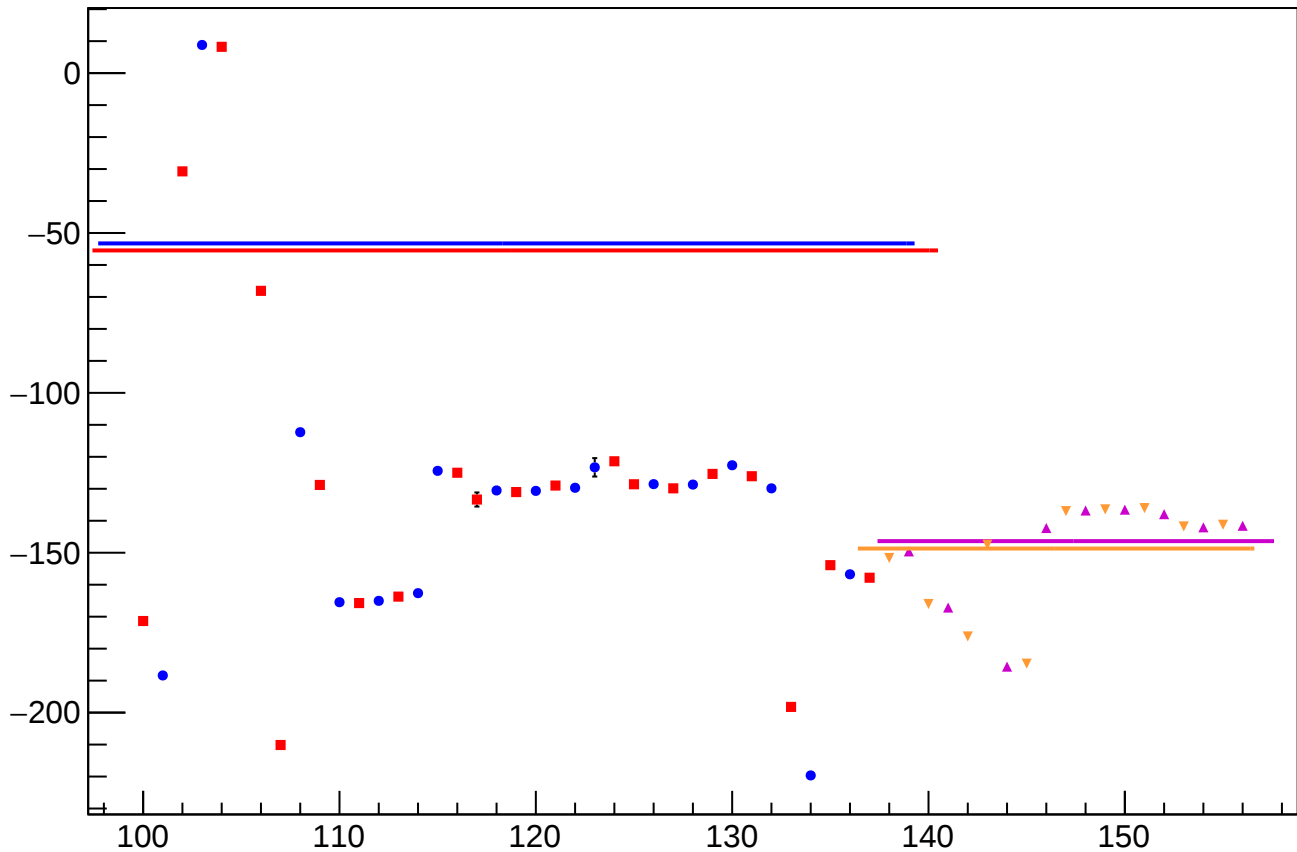
Right Out: 50.588 $\pm$ 1.640 χ^2 /NDF: 657.5/19

Left In: 44.254 $\pm$ 1.457 χ^2 /NDF: 271.0/8

55.513 $\pm$ 1.073 χ^2 /NDF: 1130.2/26

47.049 $\pm$ 1.089 χ^2 /NDF: 936.8/28

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 ± 0.070 χ^2/NDF : 1225492.9/16

Left Out: -148.688 ± 0.071 χ^2/NDF : 47538.1/9

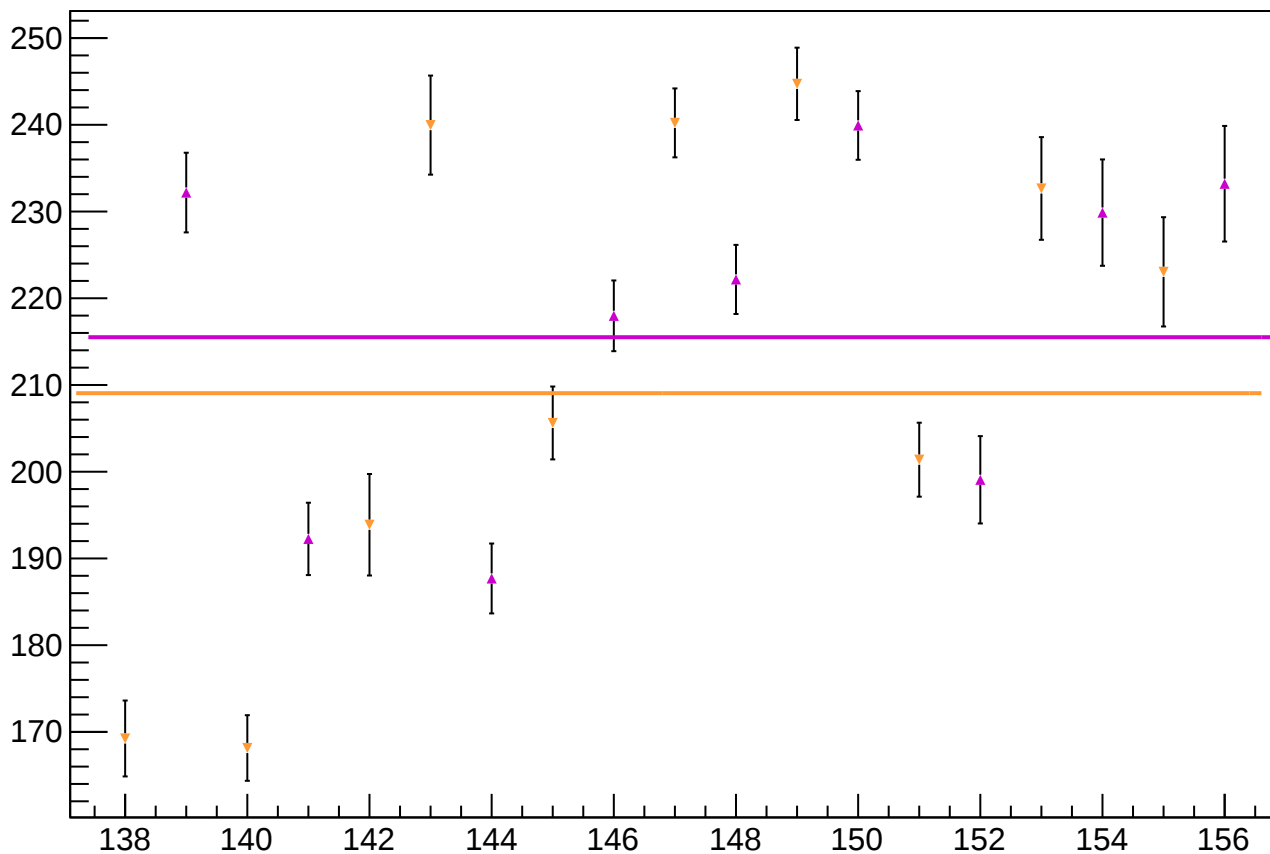
Right Out: -55.455 ± 0.072 χ^2/NDF : 968274.5/19

Left In: -146.371 ± 0.071 χ^2/NDF : 39275.0/8

-100.667 ± 0.050 χ^2/NDF : 2185411.8/26

-101.431 ± 0.051 χ^2/NDF : 1815818.9/28

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 209.056+/-1.462 χ^2/NDF : 395.2/9

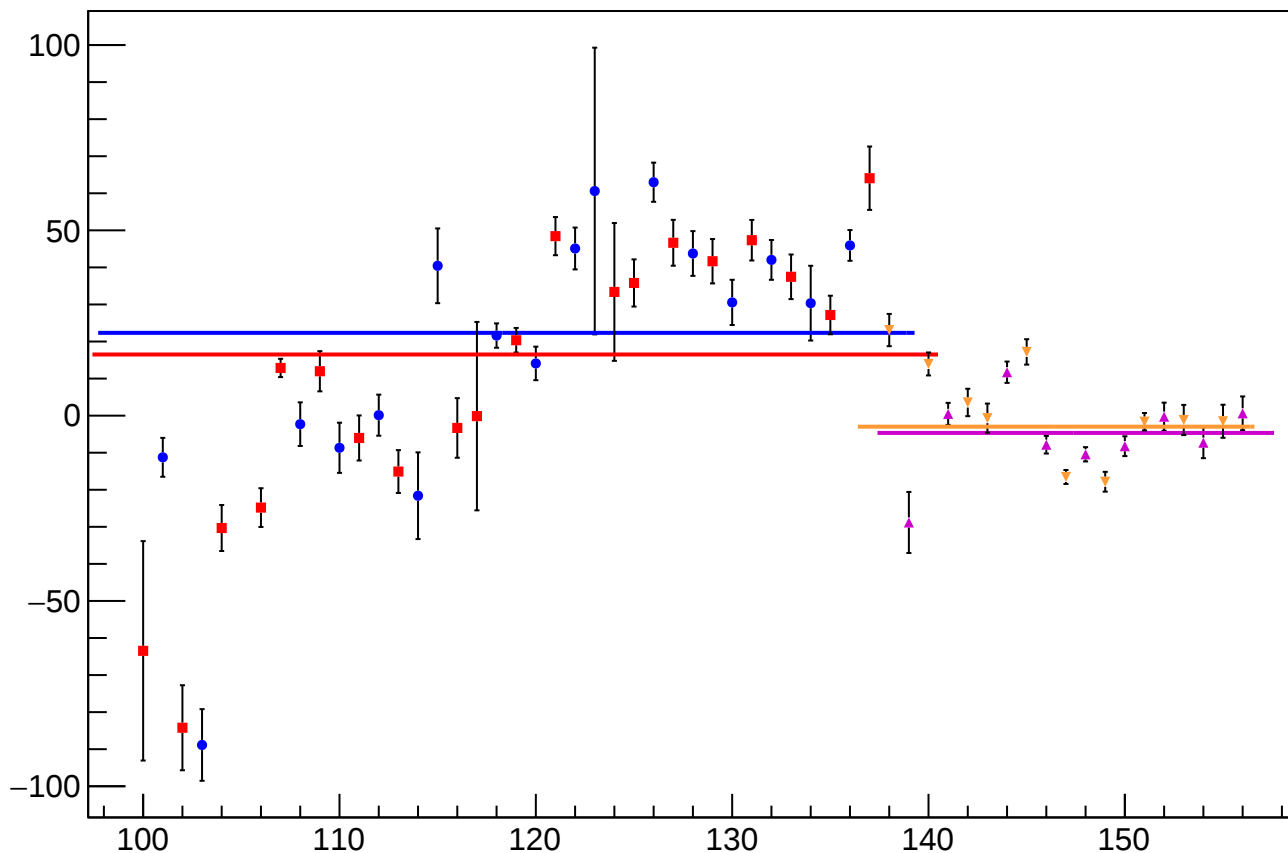
209.056+/-1.462 χ^2/NDF : 395.2/9

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

Left In: 215.509+/-1.504 χ^2/NDF : 156.3/8

215.509+/-1.504 χ^2/NDF : 156.3/8

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342 $\pm$ 1.395 χ^2 /NDF: 385.8/16

Left Out: -2.975 $\pm$ 0.957 χ^2 /NDF:187.3/9

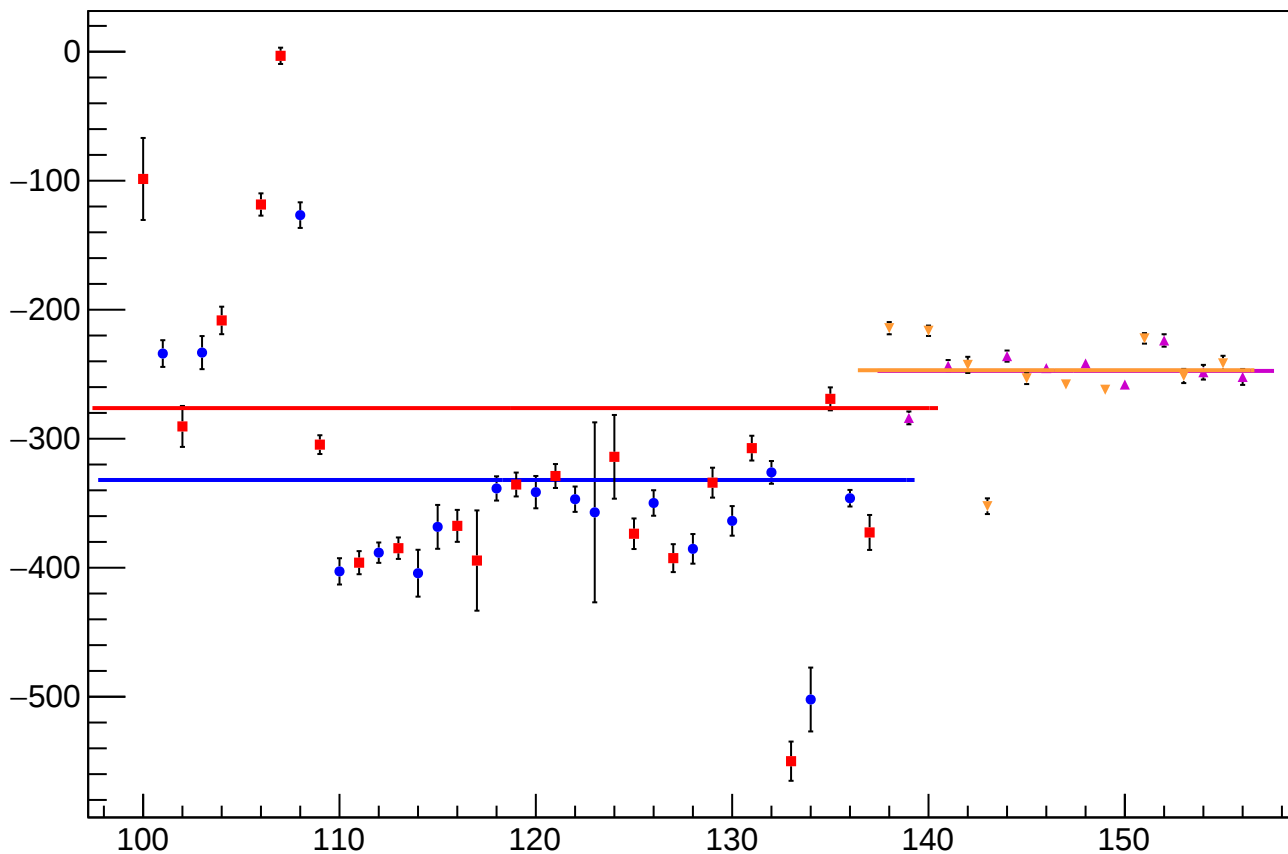
Right Out: 16.498 $\pm$ 1.226 χ^2 /NDF: 427.0/19

Left In: -4.663 $\pm$ 0.996 χ^2 /NDF:59.5/8

5.121 $\pm$ 0.789 χ^2 /NDF: 797.1/26

3.749 $\pm$ 0.773 χ^2 /NDF: 666.1/28

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989+/-2.580 χ^2/NDF : 785.0/16

Left Out: -246.919+/-1.459 χ^2/NDF : 468.5/9

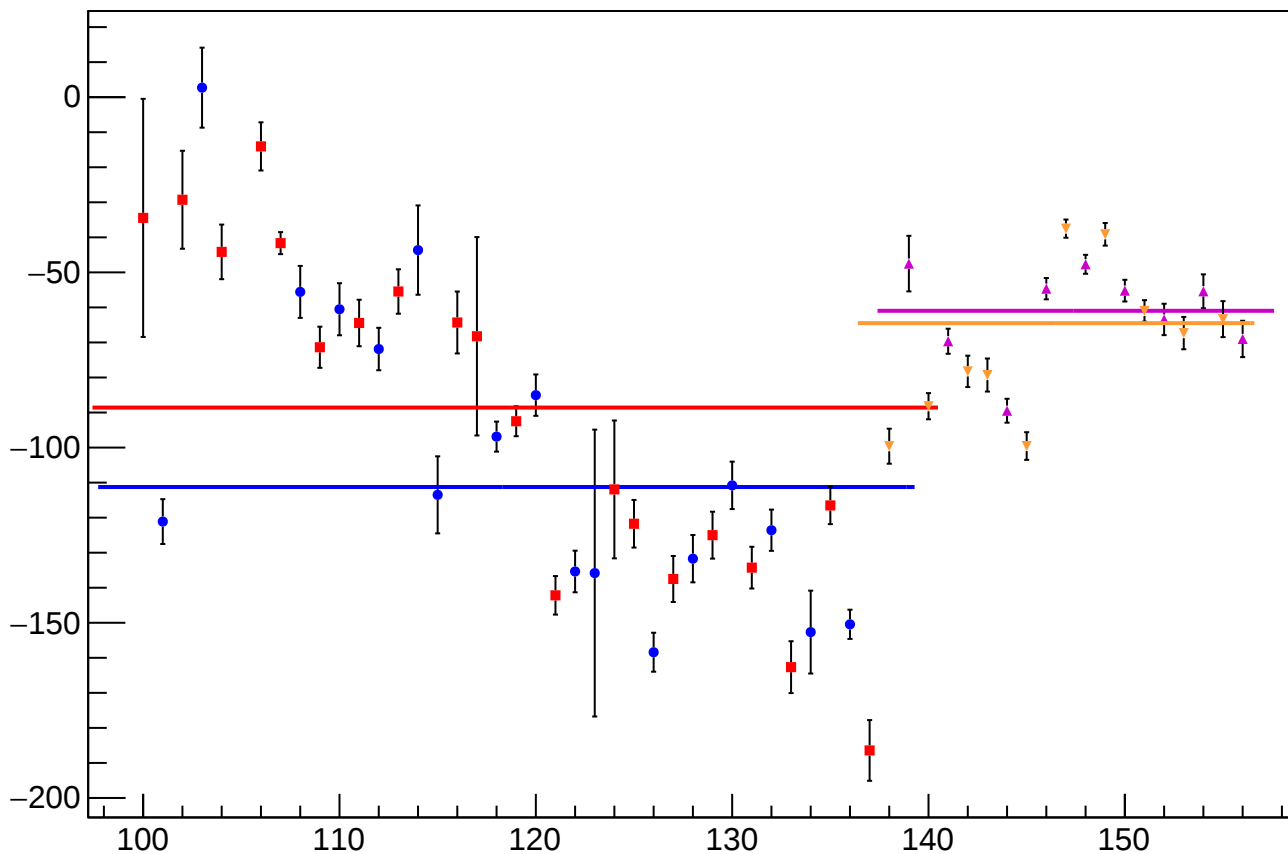
Right Out: -276.265+/-2.320 χ^2/NDF : 3371.5/19

Left In: -247.441+/-1.482 χ^2/NDF : 96.9/8

-267.524+/-1.270 χ^2/NDF : 2077.2/26

-255.789+/-1.249 χ^2/NDF : 3578.0/28

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 ± 1.597 $\chi^2/\text{NDF}: 509.6/16$

Left Out: -64.483 ± 1.190 $\chi^2/\text{NDF}: 359.2/9$

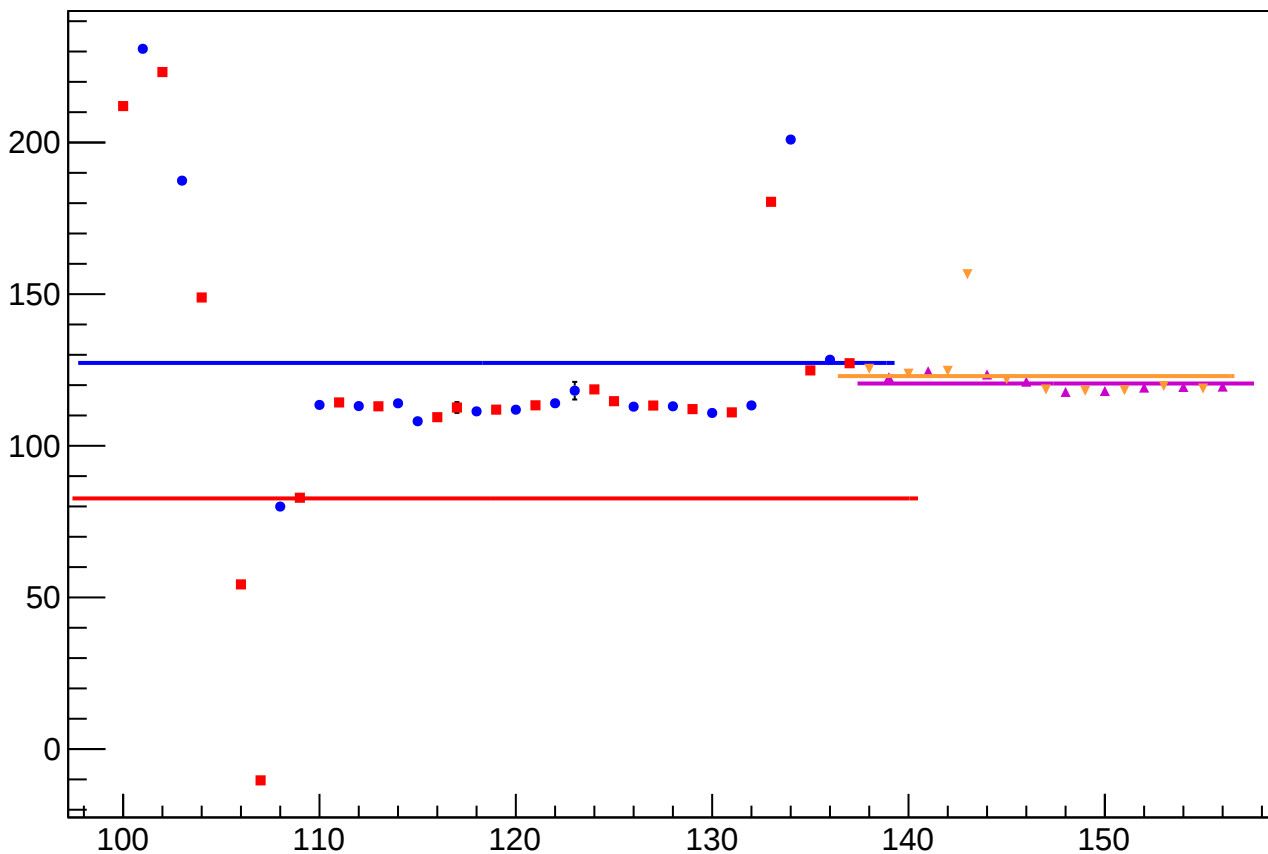
Right Out: -88.581 ± 1.431 $\chi^2/\text{NDF}: 971.5/19$

Left In: -60.965 ± 1.232 $\chi^2/\text{NDF}: 114.6/8$

-81.183 ± 0.954 $\chi^2/\text{NDF}: 1420.2/26$

-72.718 ± 0.934 $\chi^2/\text{NDF}: 1300.0/28$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 122.983+/-0.060 χ^2/NDF : 21903.3/9

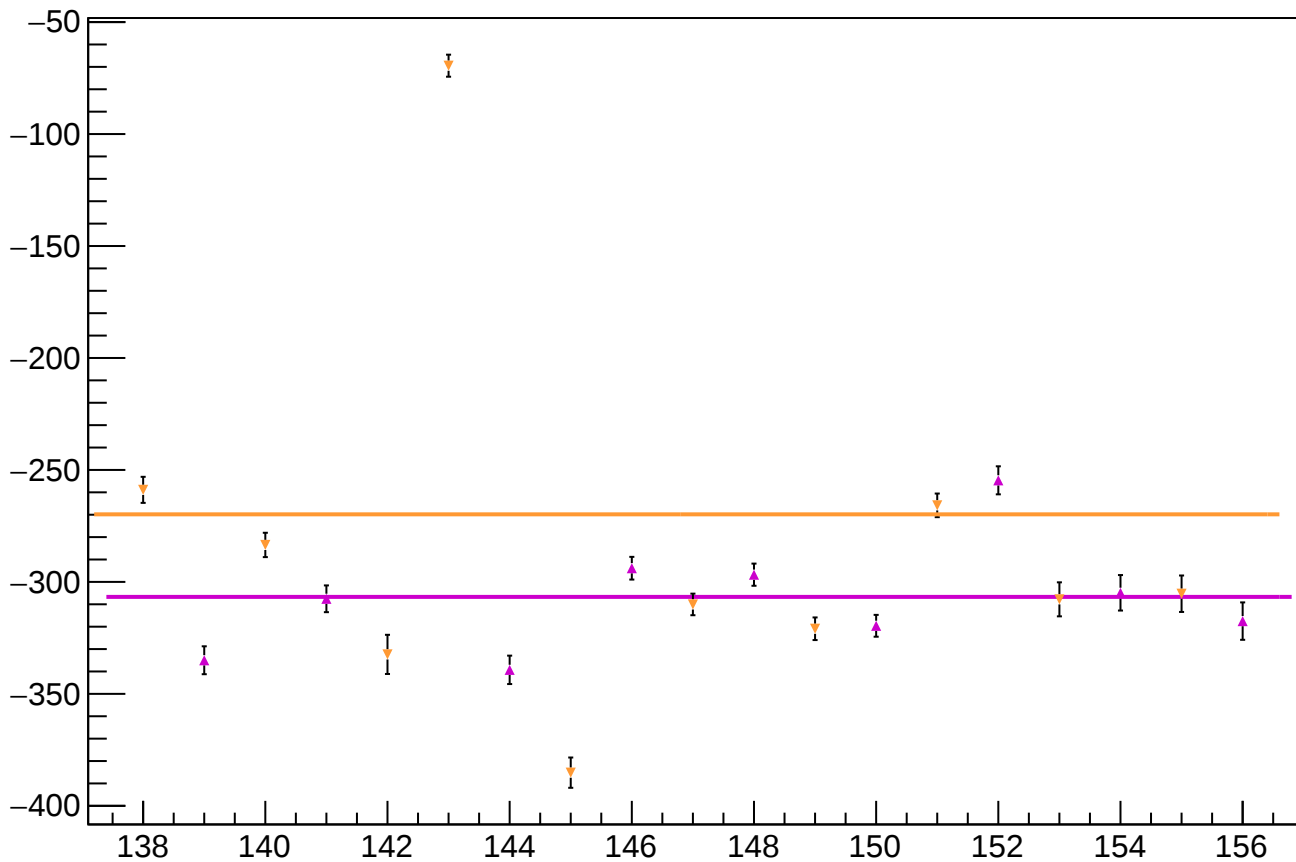
Right Out: 82.649+/-0.075 χ^2/NDF : 765307.1/19

Left In: 120.537+/-0.060 χ^2/NDF : 1566.9/8

124.338+/-0.050 χ^2/NDF : 211299.0/26

105.839+/-0.047 χ^2/NDF : 921807.0/28

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -269.829+/-1.856 χ^2/NDF : 2224.4/9

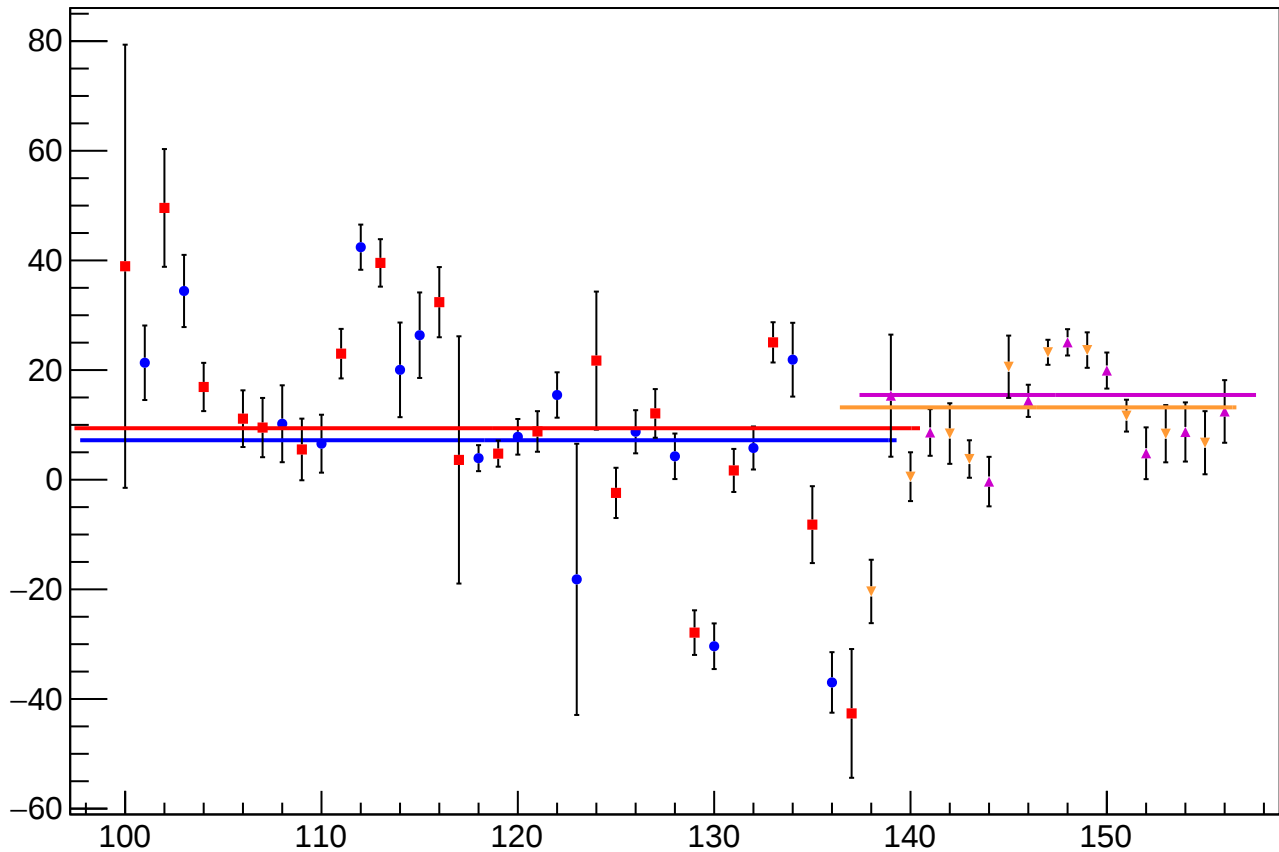
-269.829+/-1.856 χ^2/NDF : 2224.4/9

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

-306.694+/-1.976 χ^2/NDF : 135.2/8

Left In: -306.694+/-1.976 χ^2/NDF : 135.2/8

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 13.197 ± 1.194 χ^2/NDF : 84.0/9

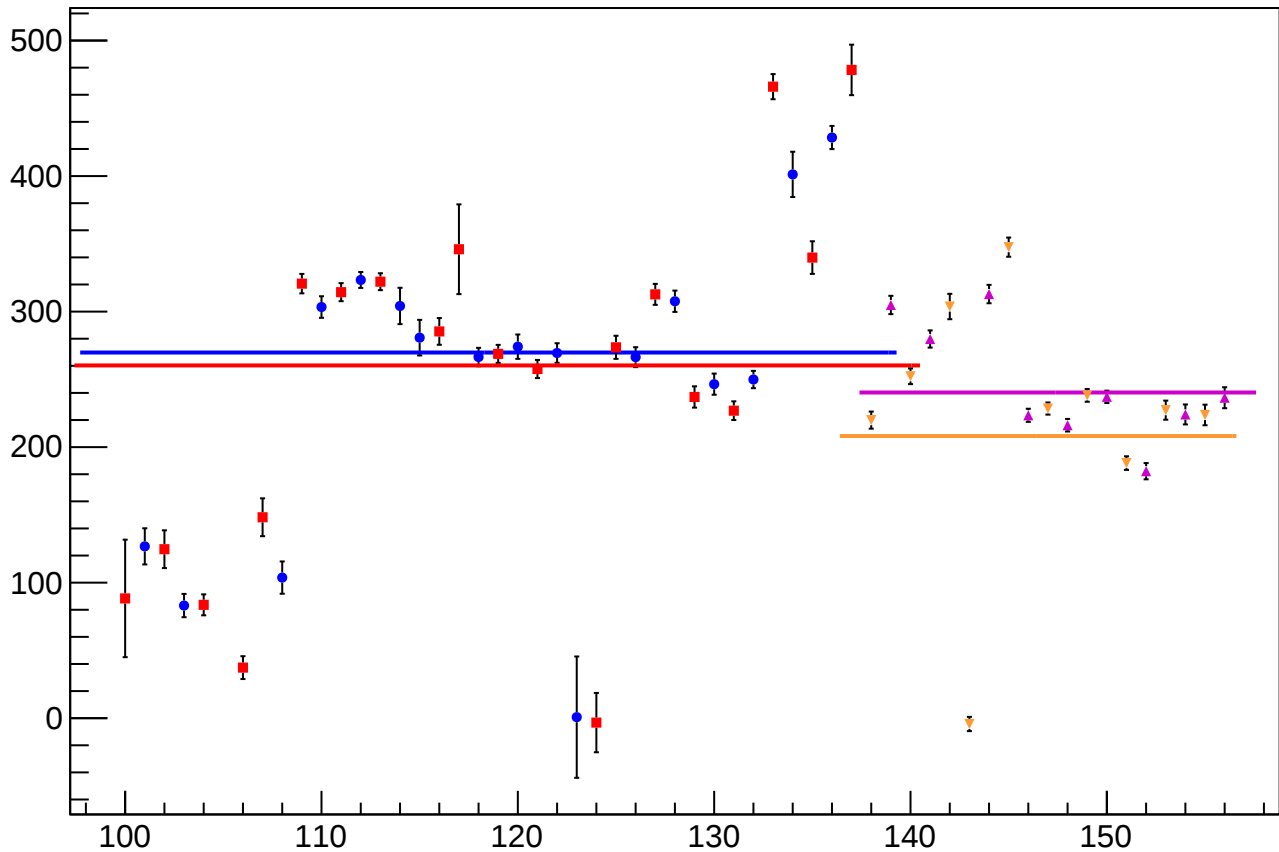
Right Out: 9.390 ± 1.070 χ^2/NDF : 232.2/19

Left In: 15.456 ± 1.287 χ^2/NDF : 39.7/8

9.962 ± 0.810 χ^2/NDF : 358.5/26

11.870 ± 0.823 χ^2/NDF : 285.1/28

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 ± 2.089 $\chi^2/\text{NDF}: 1374.1/16$

Left Out: 208.196 ± 1.845 $\chi^2/\text{NDF}: 2275.2/9$

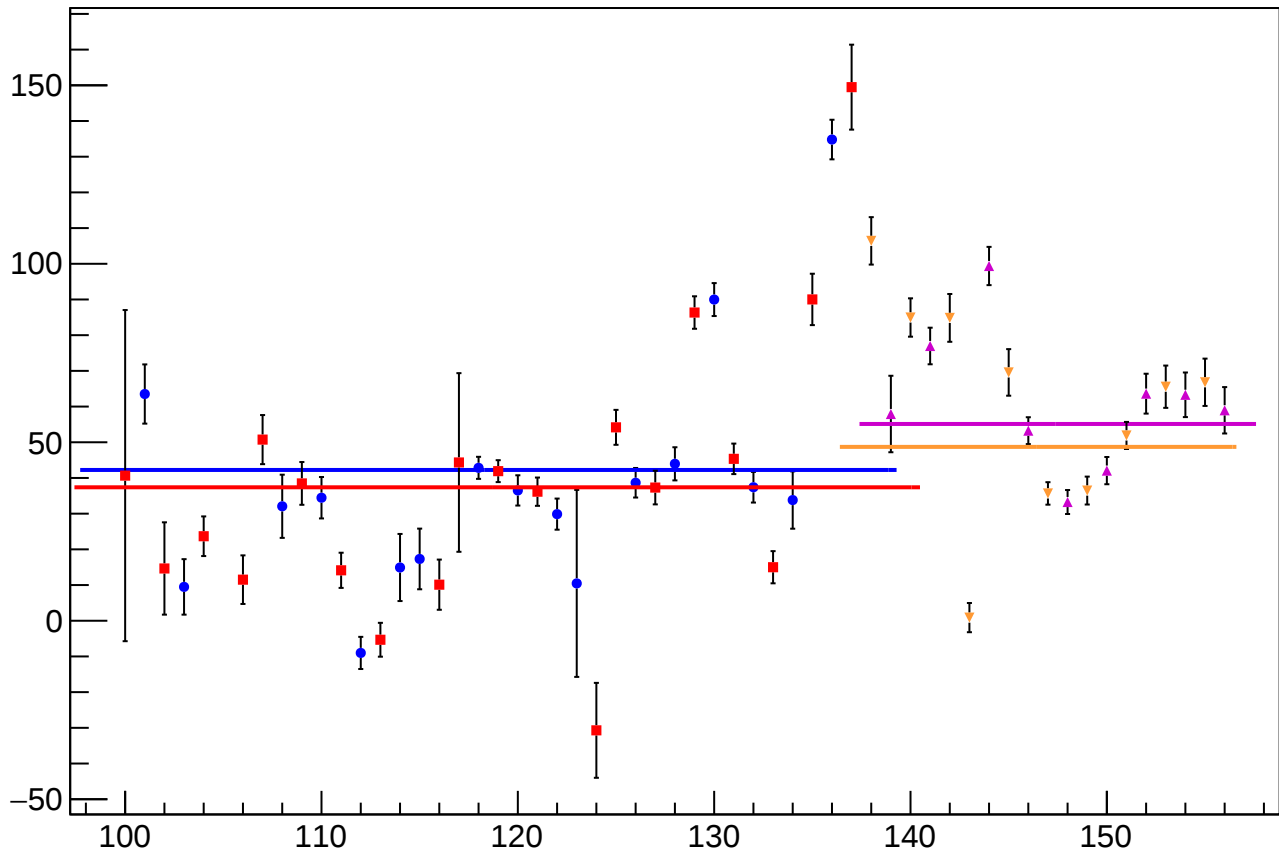
Right Out: 260.286 ± 1.973 $\chi^2/\text{NDF}: 2545.4/19$

Left In: 240.317 ± 1.930 $\chi^2/\text{NDF}: 382.9/8$

235.191 ± 1.383 $\chi^2/\text{NDF}: 4138.0/26$

250.078 ± 1.380 $\chi^2/\text{NDF}: 2980.6/28$

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 $\pm$ 1.274 χ^2 /NDF: 574.4/16

Left Out: 48.707 $\pm$ 1.491 χ^2 /NDF:340.2/9

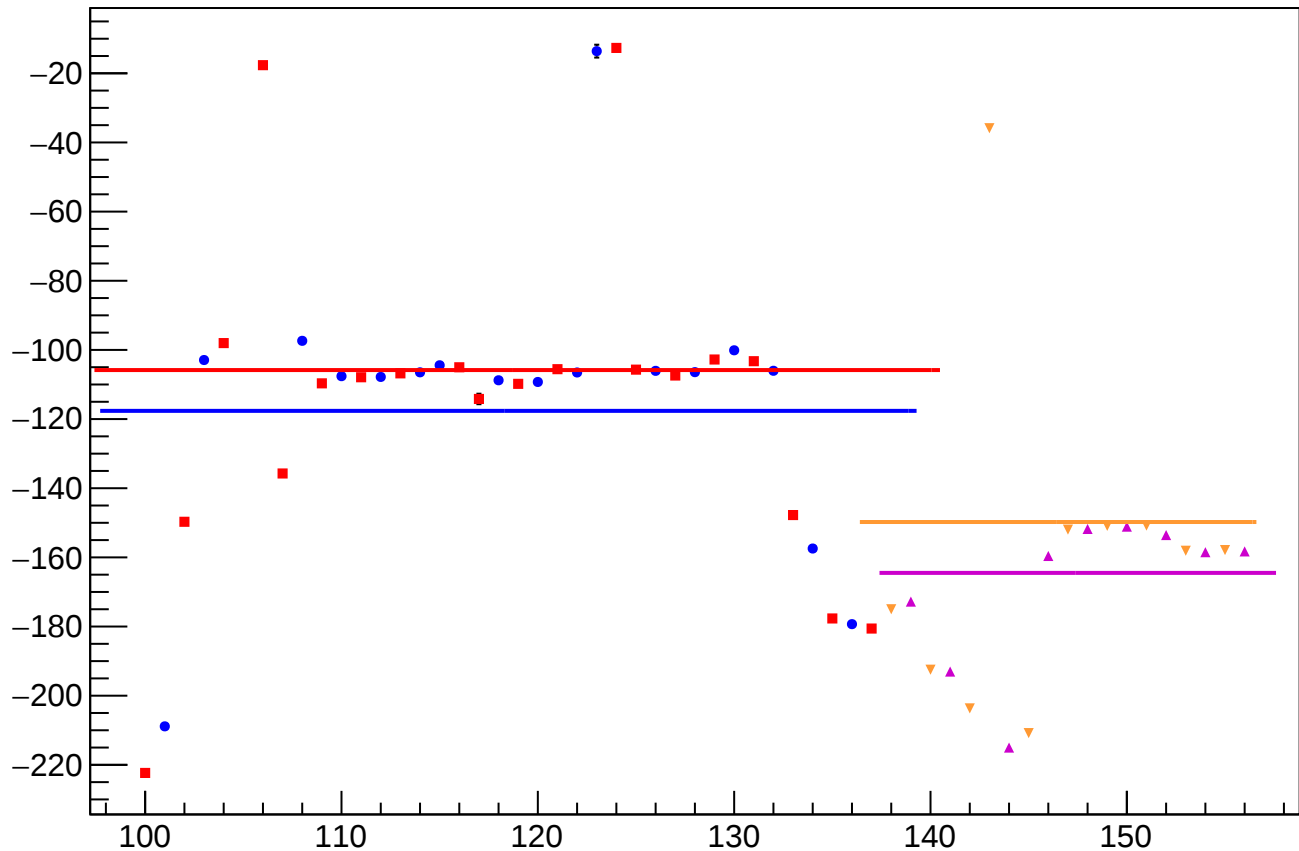
Right Out: 37.384 $\pm$ 1.233 χ^2 /NDF: 472.4/19

Left In: 55.127 $\pm$ 1.599 χ^2 /NDF:145.2/8

44.970 $\pm$ 0.968 χ^2 /NDF: 925.5/26

43.999 $\pm$ 0.976 χ^2 /NDF: 694.8/28

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -149.770+/-0.076 χ^2/NDF : 401951.0/9

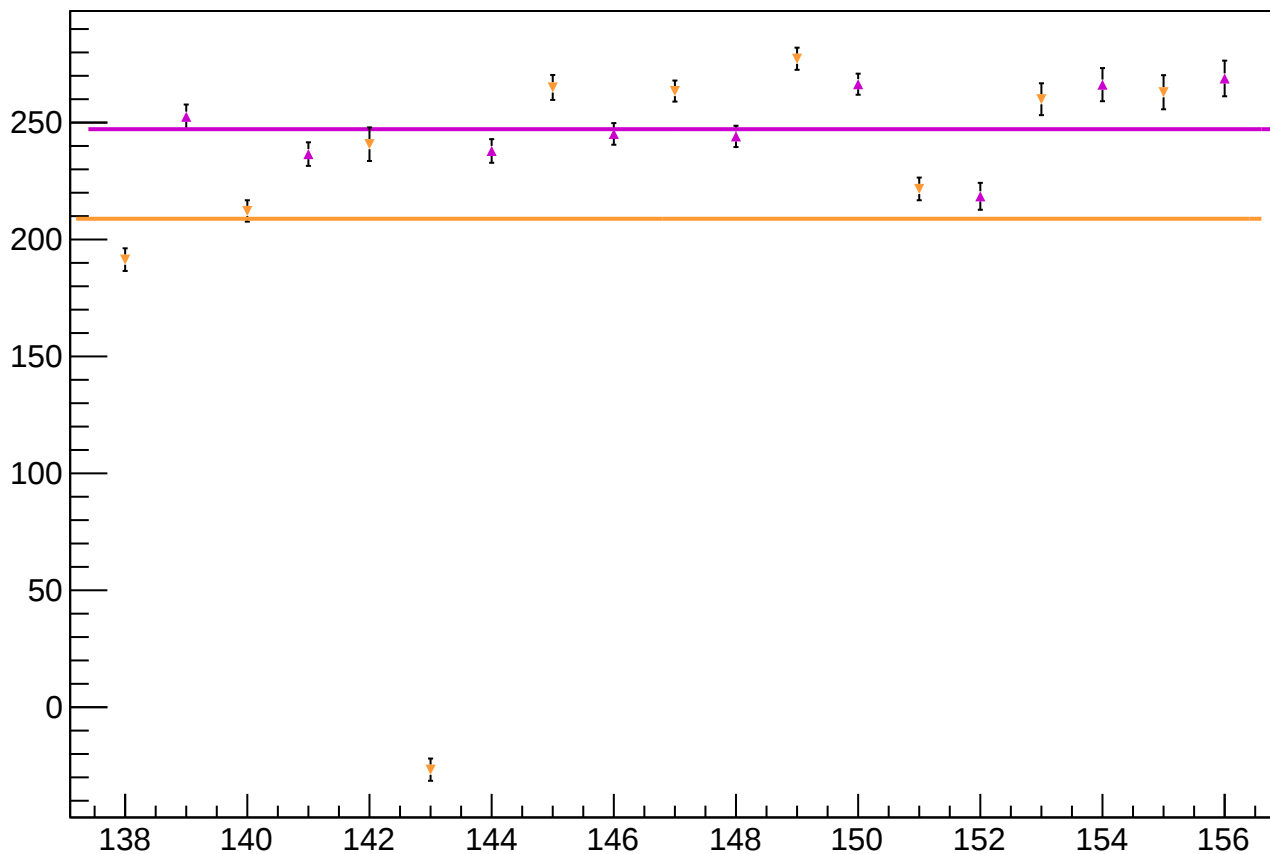
Right Out: -105.826+/-0.073 χ^2/NDF : 323138.4/19

Left In: -164.485+/-0.078 χ^2/NDF : 54992.2/8

-134.133+/-0.055 χ^2/NDF : 629877.3/26

-133.062+/-0.053 χ^2/NDF : 680163.6/28

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 208.873+/-1.653 χ^2/NDF : 3073.9/9

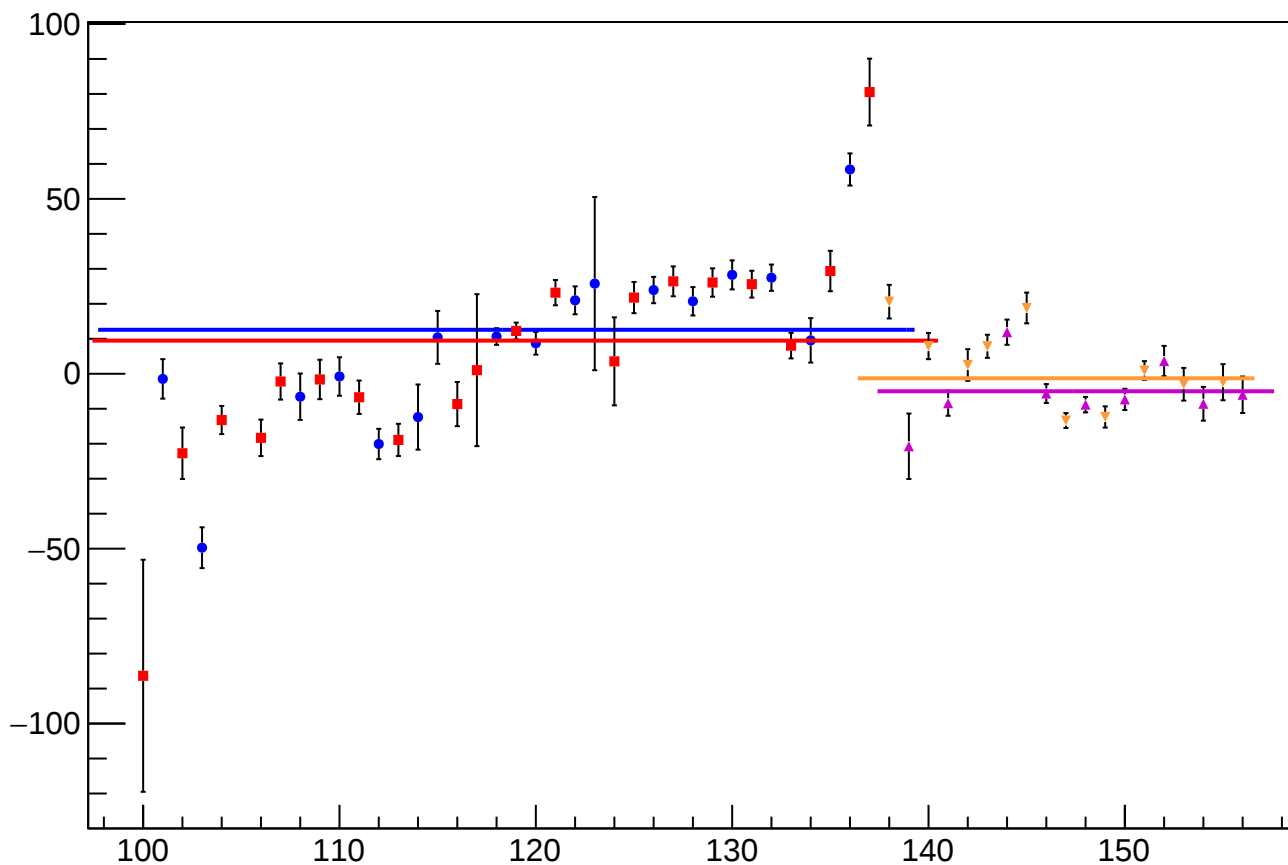
208.873+/-1.653 χ^2/NDF : 3073.9/9

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

Left In: 247.174+/-1.750 χ^2/NDF : 68.0/8

247.174+/-1.750 χ^2/NDF : 68.0/8

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574+/-1.074 χ^2/NDF : 348.0/16

Left Out: -1.295+/-1.079 χ^2/NDF : 102.5/9

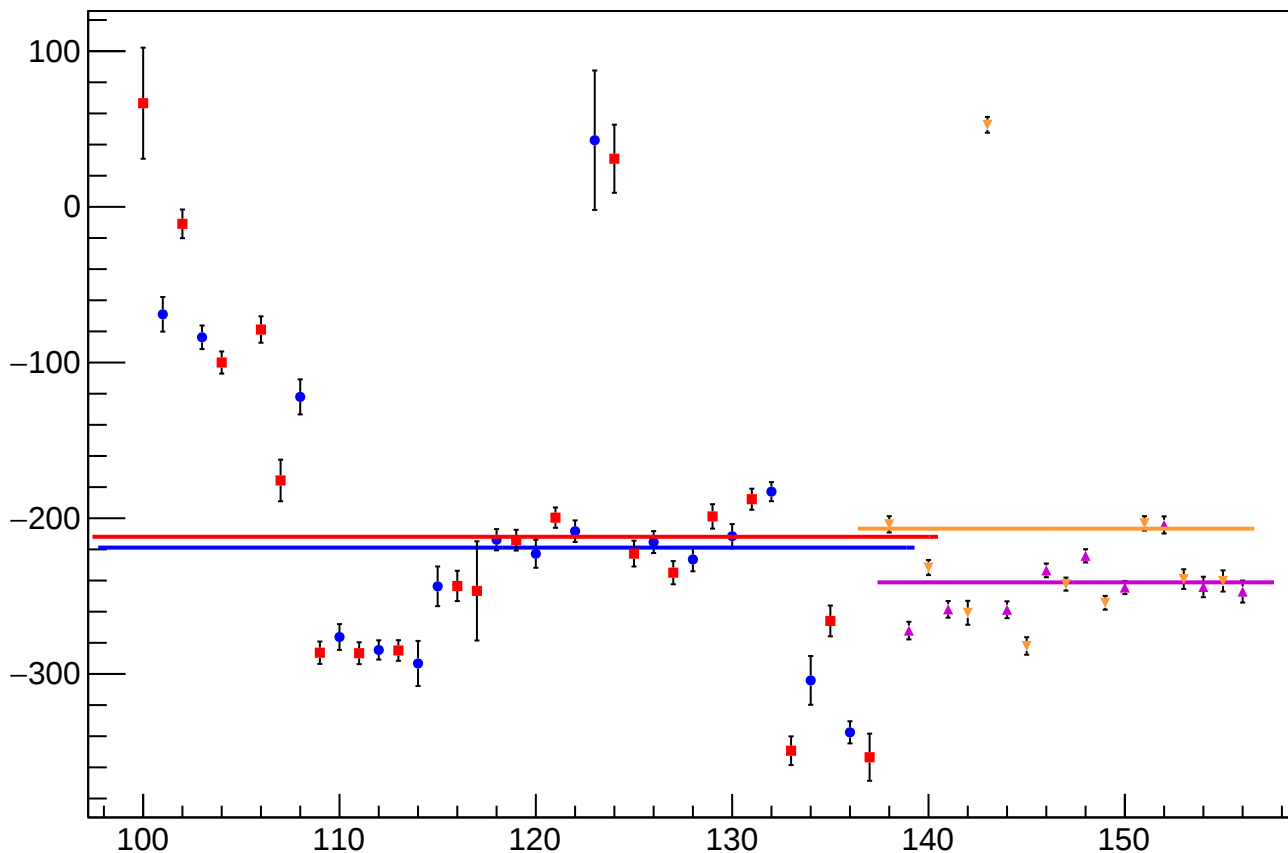
Right Out: 9.474+/-1.046 χ^2/NDF : 296.0/19

Left In: -5.001+/-1.155 χ^2/NDF : 33.8/8

5.675+/-0.761 χ^2/NDF : 533.4/26

2.953+/-0.776 χ^2/NDF : 416.0/28

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 χ^2/NDF : 1146.6/16

Left Out: -206.678 ± 1.651 χ^2/NDF : 3105.6/9

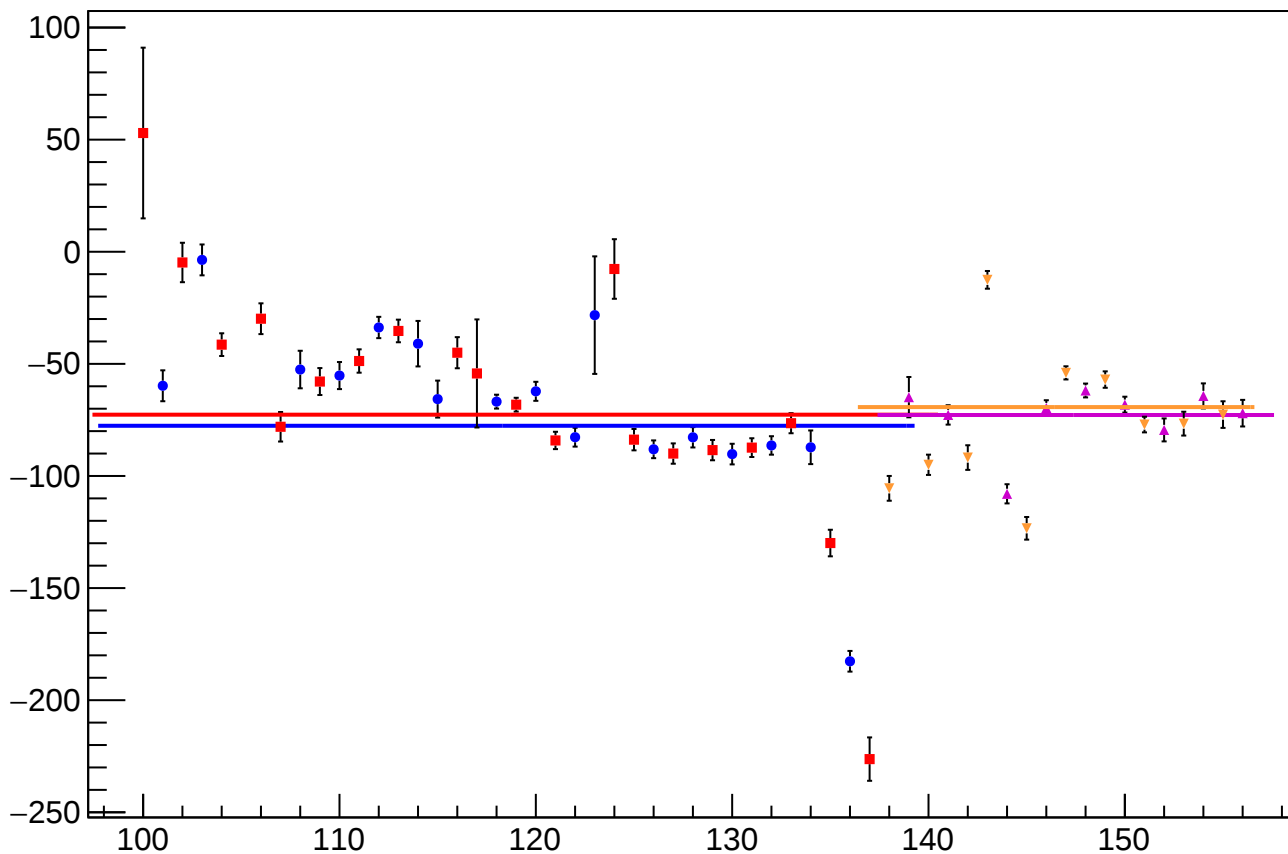
Right Out: -211.907 ± 1.920 χ^2/NDF : 1886.4/19

Left In: -241.172 ± 1.719 χ^2/NDF : 116.2/8

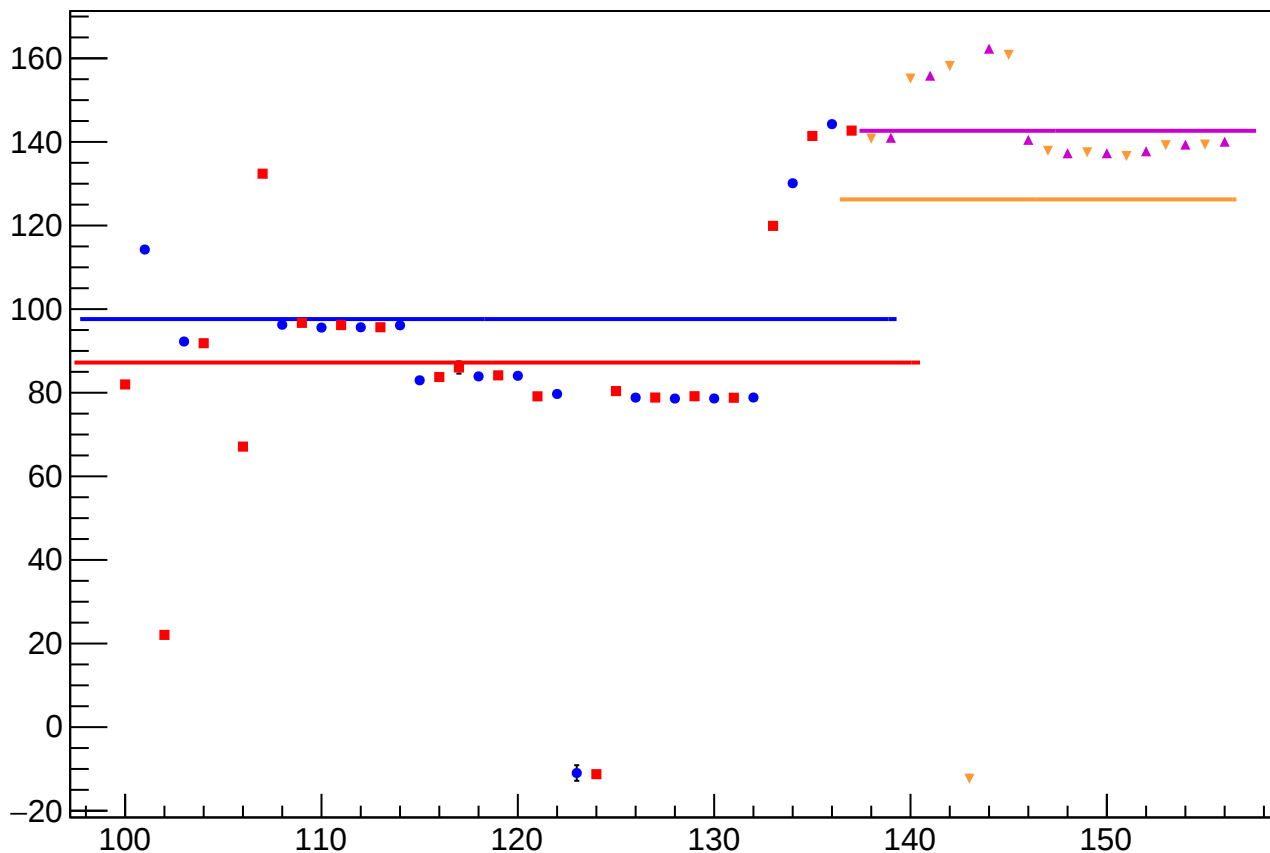
-211.547 ± 1.279 χ^2/NDF : 4273.9/26

-228.154 ± 1.281 χ^2/NDF : 2131.5/28

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 126.249 $\pm$ 0.068 χ^2 /NDF: 539936.7/9

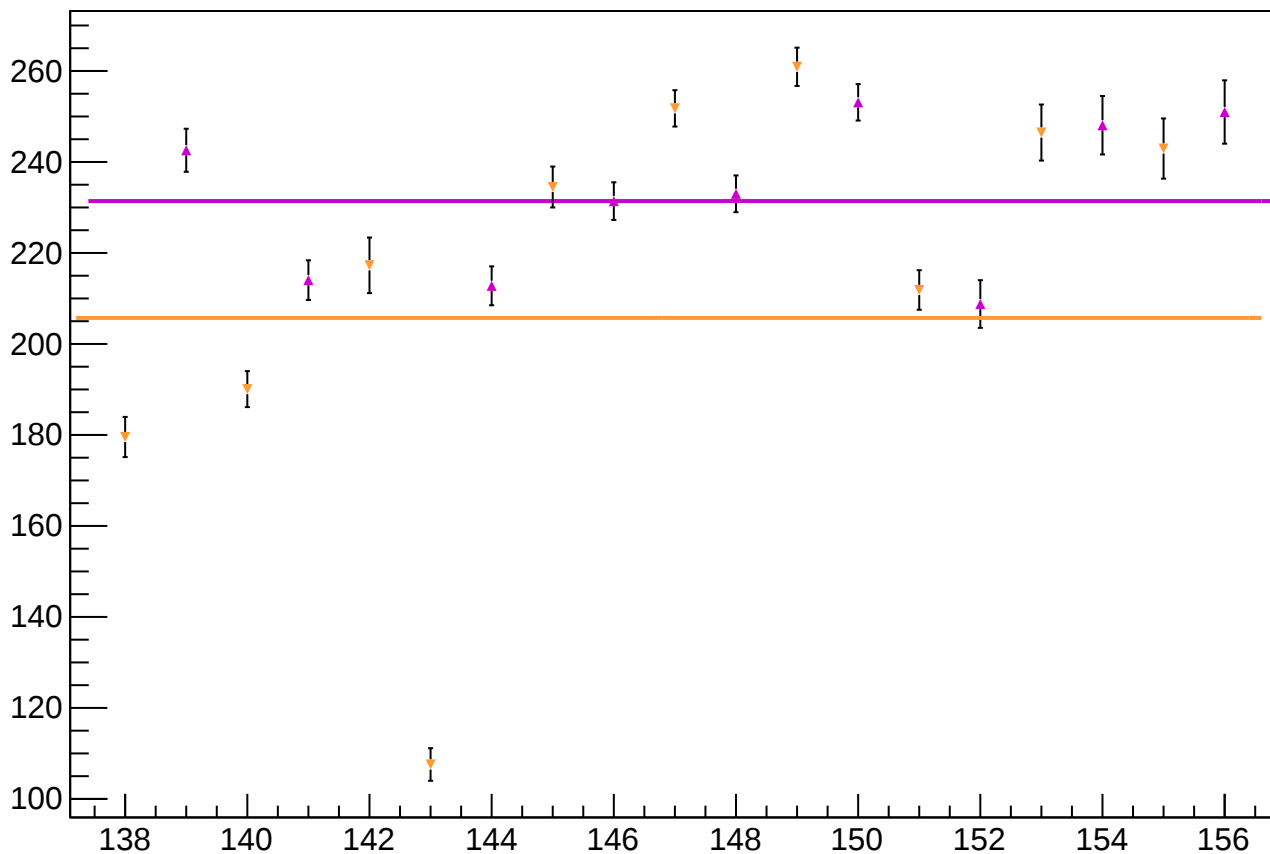
Right Out: 87.224 $\pm$ 0.068 χ^2 /NDF: 220851.2/19

Left In: 142.662 $\pm$ 0.069 χ^2 /NDF: 13368.8/8

113.051 $\pm$ 0.050 χ^2 /NDF: 715288.9/26

114.430 $\pm$ 0.049 χ^2 /NDF: 558547.8/28

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: 205.725+/-1.428 χ^2/NDF :1227.1/9

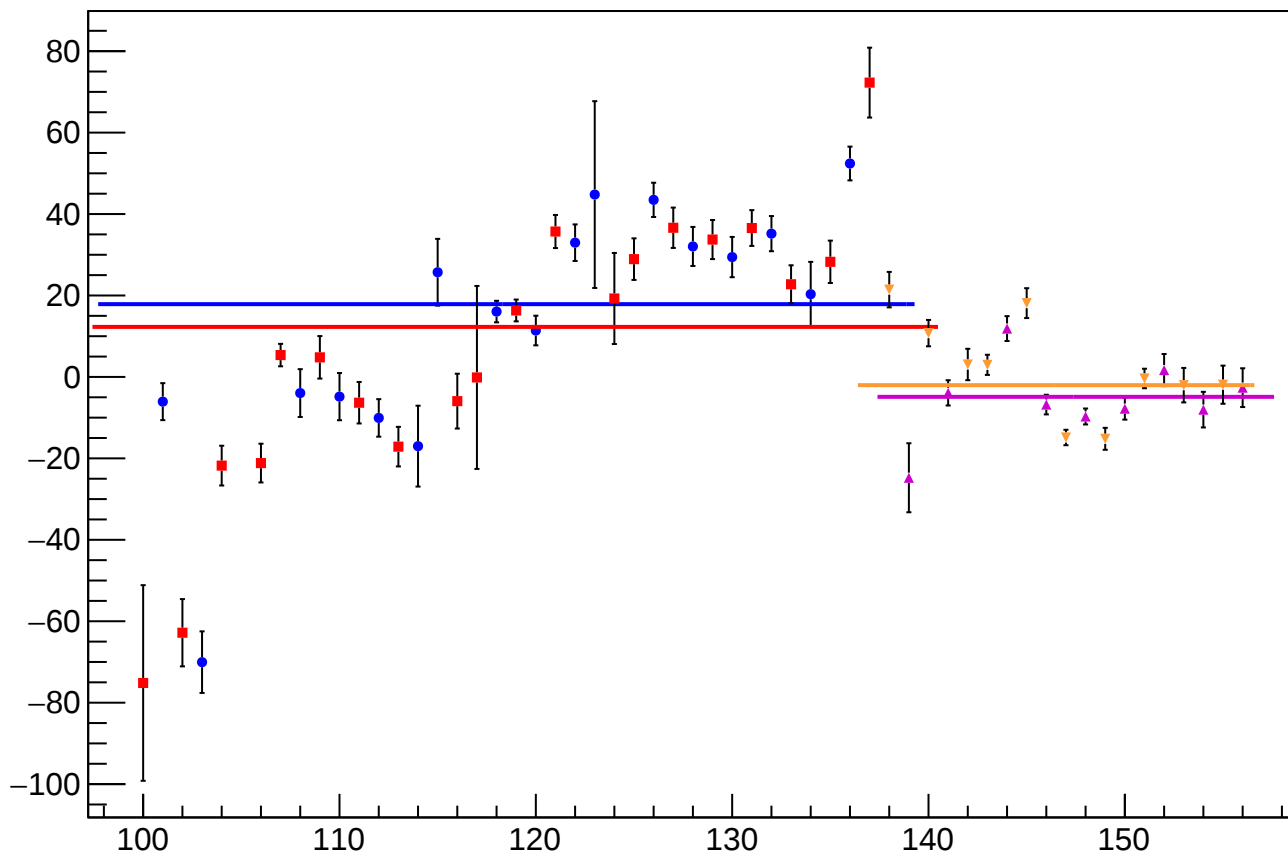
205.725+/-1.428 χ^2/NDF : 1227.1/9

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

Left In: 231.410+/-1.551 χ^2/NDF :103.3/8

231.410+/-1.551 χ^2/NDF : 103.3/8

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: -2.020 $\pm$ 0.935 χ^2 /NDF:151.0/9

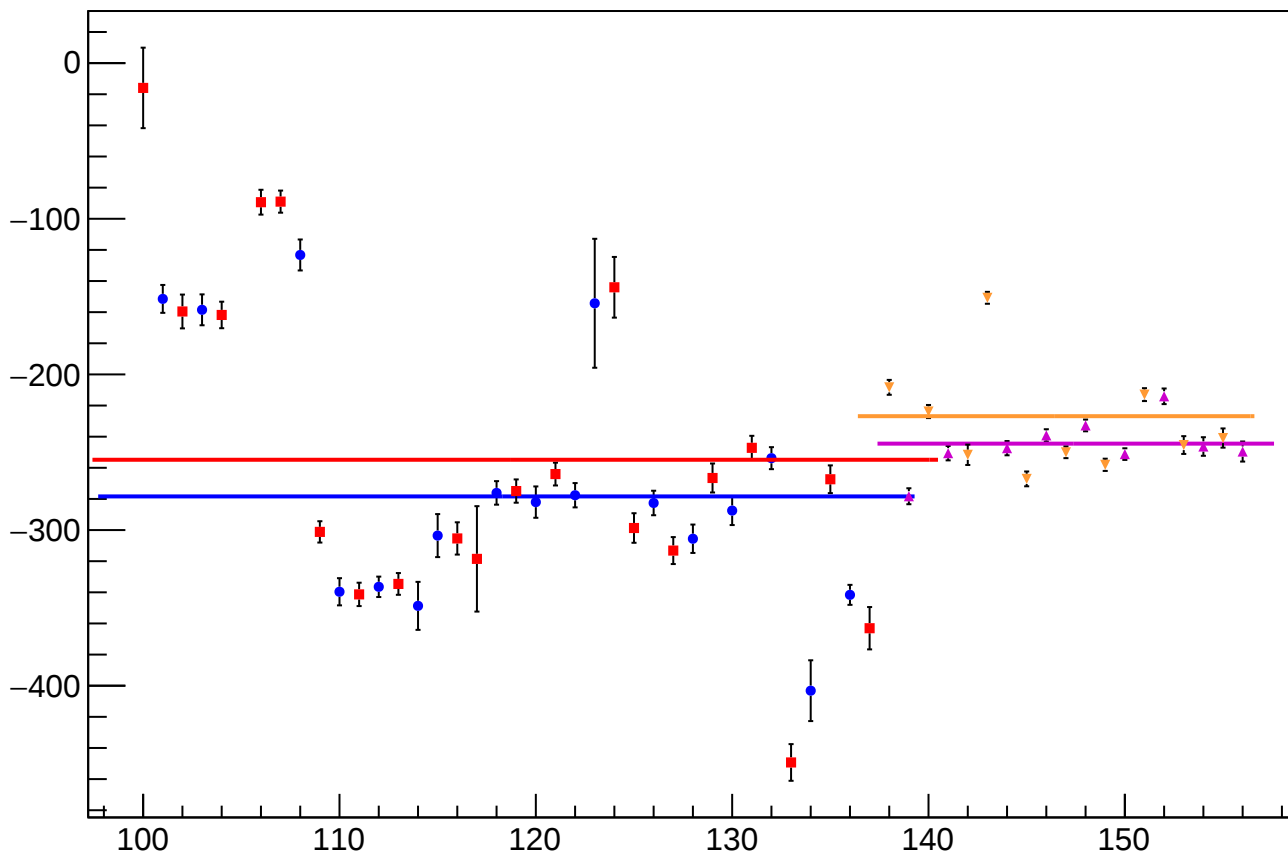
Right Out: 12.288 $\pm$ 1.082 χ^2 /NDF: 444.4/19

Left In: -4.889 $\pm$ 1.023 χ^2 /NDF:47.2/8

5.763 $\pm$ 0.729 χ^2 /NDF: 723.6/26

3.216 $\pm$ 0.743 χ^2 /NDF: 624.6/28

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.380 $\pm$ 2.185 χ^2/NDF : 910.6/16

Left Out: -226.834 $\pm$ 1.433 χ^2/NDF : 625.2/9

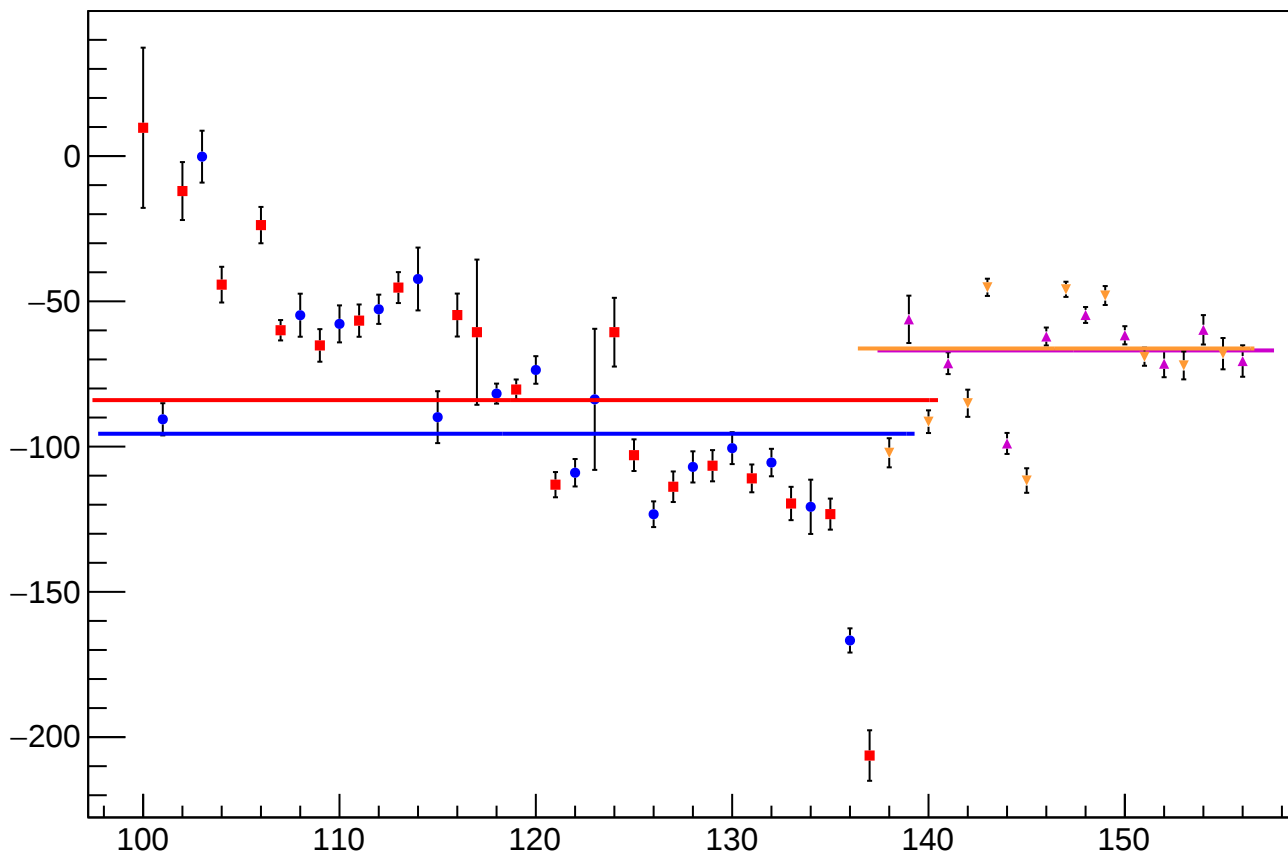
Right Out: -254.830 $\pm$ 2.016 χ^2/NDF : 2041.0/19

Left In: -244.471 $\pm$ 1.526 χ^2/NDF : 97.6/8

-242.332 $\pm$ 1.198 χ^2/NDF : 1925.0/26

-248.244 $\pm$ 1.217 χ^2/NDF : 2155.4/28

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: -66.229 $\pm$ 1.161 χ^2/NDF : 369.8/9

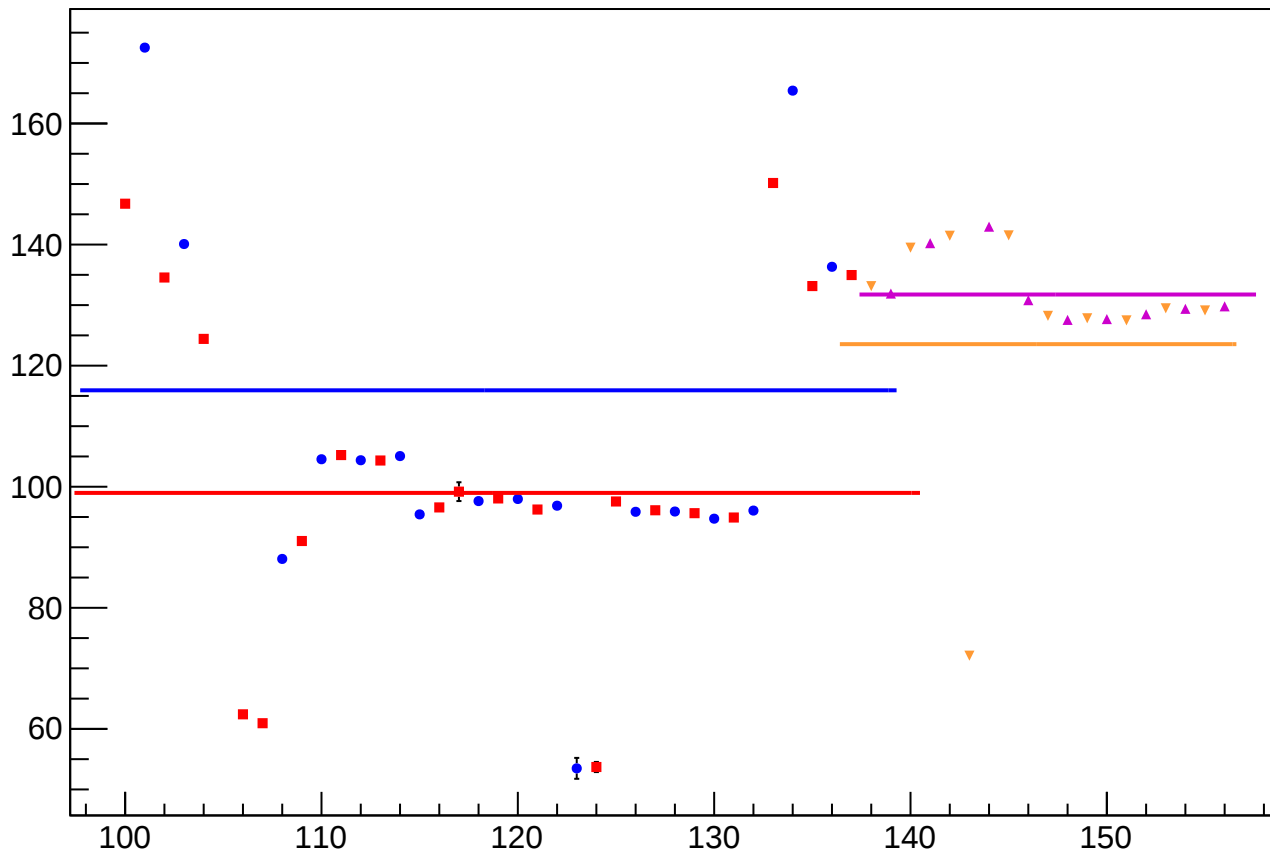
Right Out: -84.003 $\pm$ 1.255 χ^2/NDF : 784.1/19

Left In: -66.899 $\pm$ 1.267 χ^2/NDF : 109.9/8

-78.808 $\pm$ 0.878 χ^2/NDF : 1314.9/26

-75.534 $\pm$ 0.892 χ^2/NDF : 985.9/28

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: 123.551 $\pm$ 0.059 χ^2/NDF : 139713.4/9

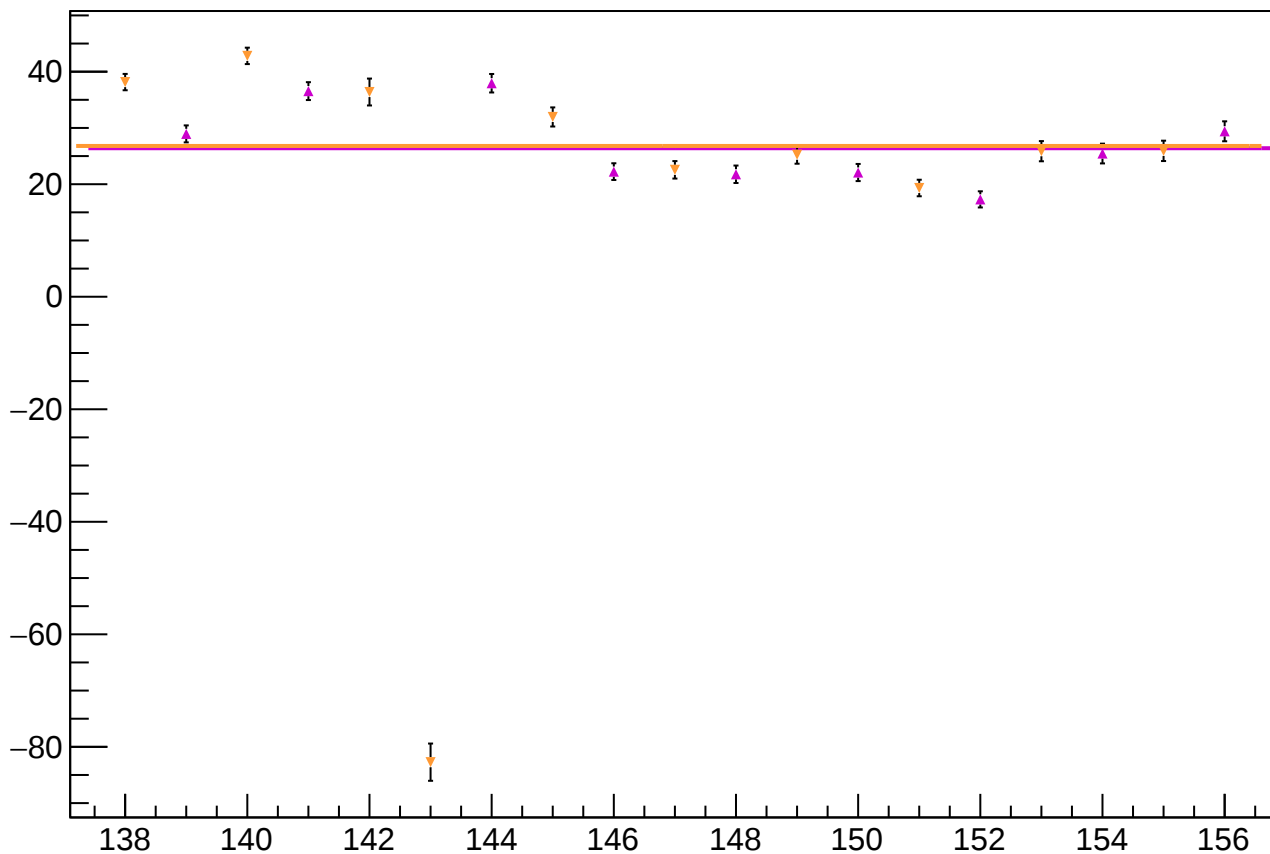
Right Out: 98.982 $\pm$ 0.068 χ^2/NDF : 172974.2/19

Left In: 131.751 $\pm$ 0.062 χ^2/NDF : 7020.1/8

120.786 $\pm$ 0.047 χ^2/NDF : 251527.7/26

117.034 $\pm$ 0.046 χ^2/NDF : 306125.0/28

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: 26.800+/-0.539 χ^2/NDF :1336.1/9

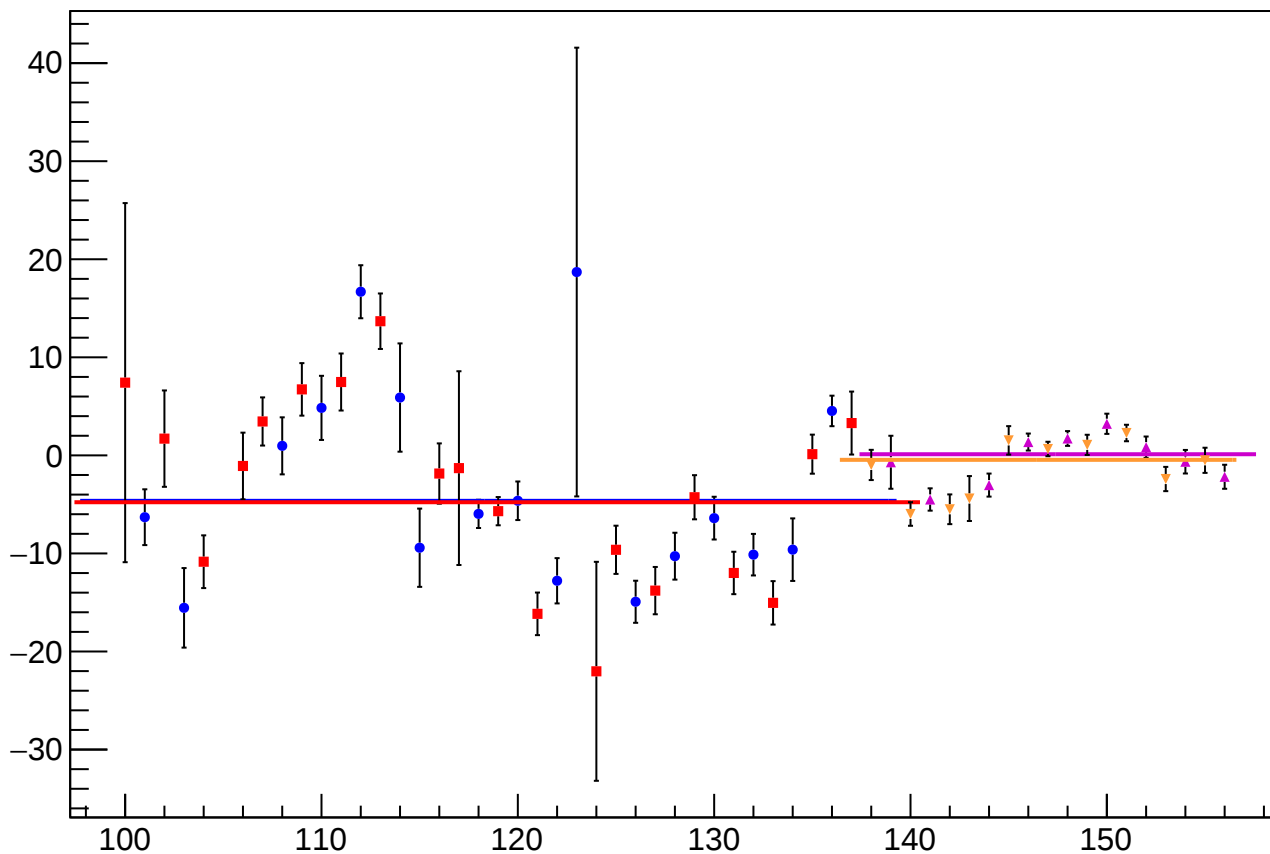
26.800+/-0.539 χ^2/NDF : 1336.1/9

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

Left In: 26.395+/-0.525 χ^2/NDF :161.2/8

26.395+/-0.525 χ^2/NDF : 161.2/8

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637 $\pm$ 0.588 χ^2 /NDF: 174.4/16

Left Out: -0.455 $\pm$ 0.361 χ^2 /NDF: 54.6/9

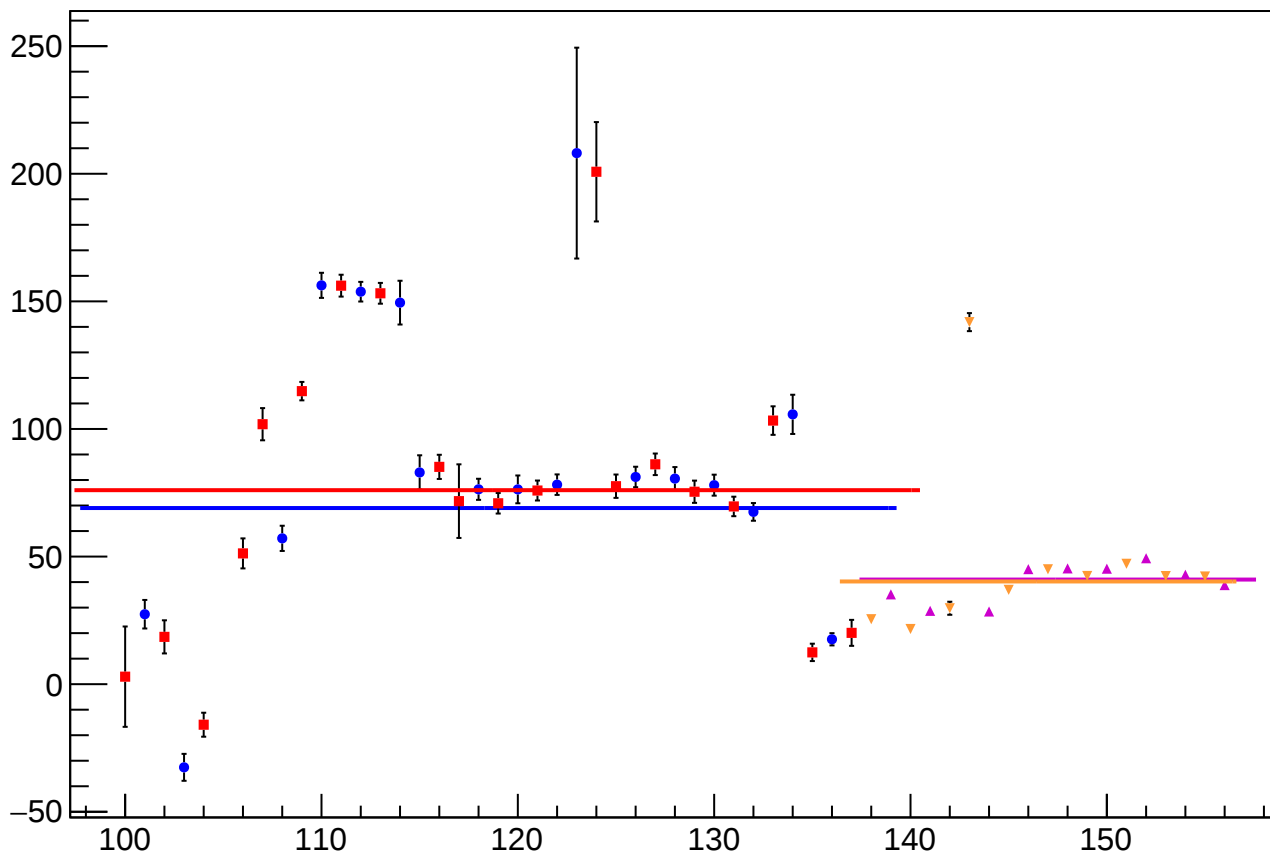
Right Out: -4.779 $\pm$ 0.583 χ^2 /NDF: 192.7/19

Left In: 0.116 $\pm$ 0.356 χ^2 /NDF: 43.8/8

-1.602 $\pm$ 0.308 χ^2 /NDF: 265.8/26

-1.214 $\pm$ 0.304 χ^2 /NDF: 287.7/28

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: 40.245 ± 0.534 χ^2/NDF : 1119.1/9

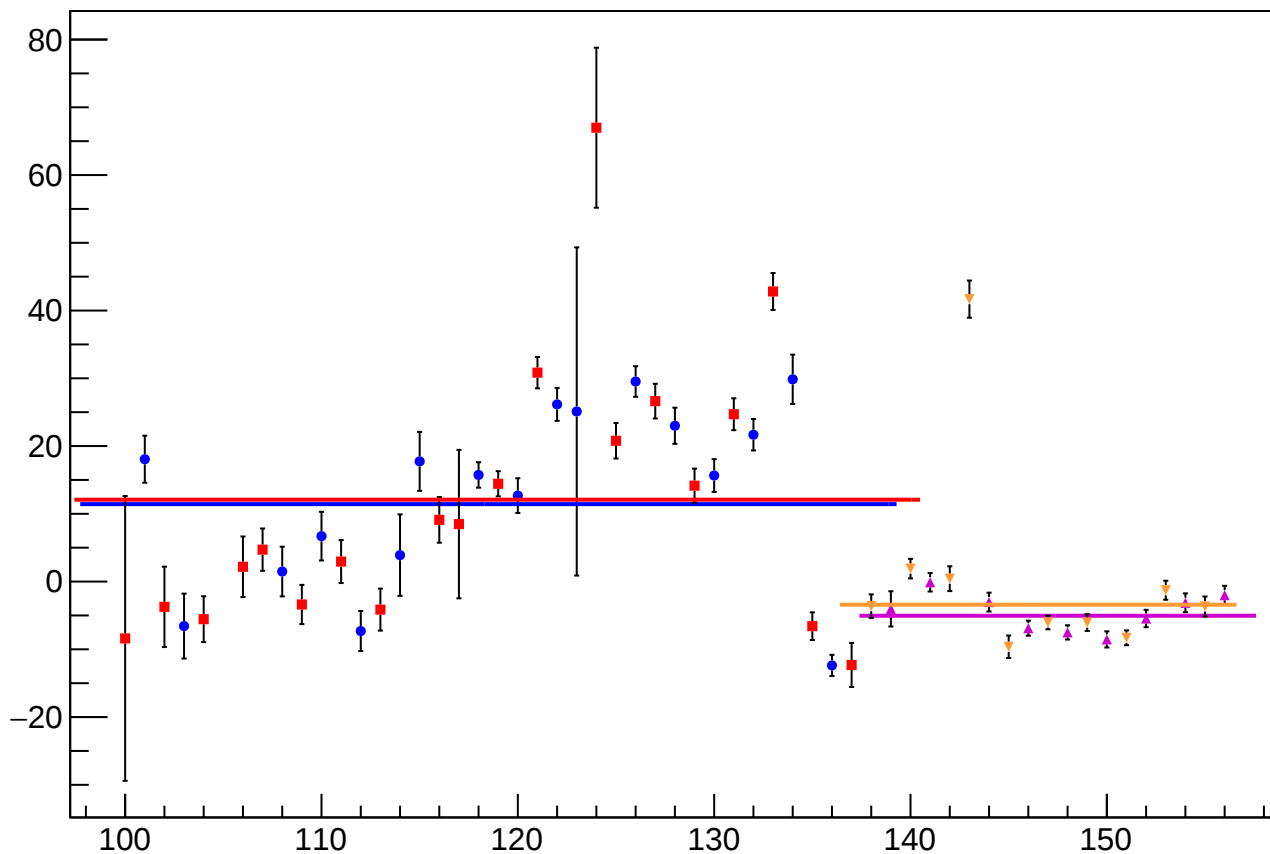
Right Out: 76.017 ± 1.067 χ^2/NDF : 1882.0/19

Left In: 40.991 ± 0.514 χ^2/NDF : 182.2/8

45.870 ± 0.479 χ^2/NDF : 3534.6/26

47.589 ± 0.463 χ^2/NDF : 2938.9/28

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 $\pm$ 0.665 χ^2 /NDF: 476.8/16

Left Out: -3.415 $\pm$ 0.446 χ^2 /NDF: 335.8/9

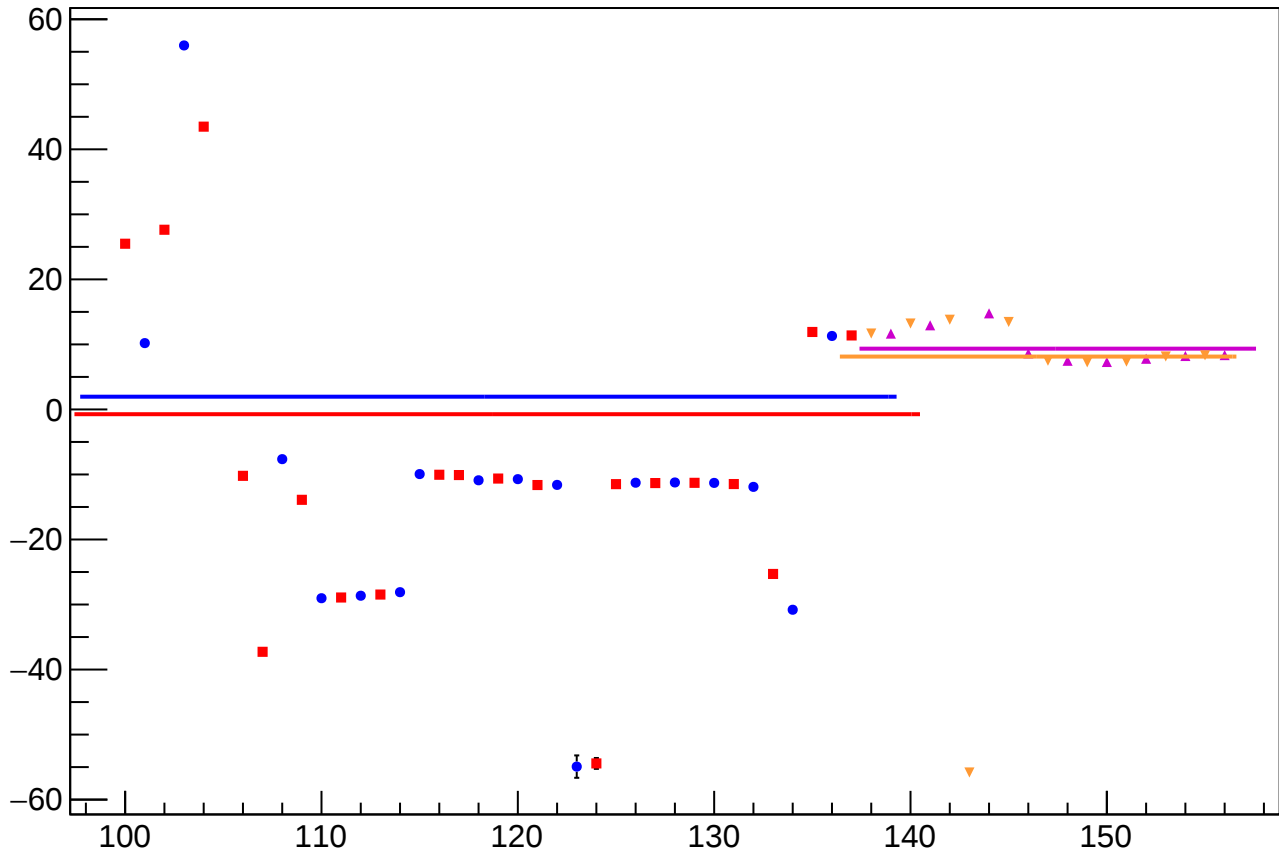
Right Out: 12.082 $\pm$ 0.663 χ^2 /NDF: 539.2/19

Left In: -5.044 $\pm$ 0.436 χ^2 /NDF: 38.8/8

1.186 $\pm$ 0.371 χ^2 /NDF: 1155.9/26

0.133 $\pm$ 0.364 χ^2 /NDF: 1043.9/28

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 1.960 $\pm$ 0.037 χ^2/NDF : 358457.0/16

Left Out: 8.130 $\pm$ 0.022 χ^2/NDF : 222435.6/9

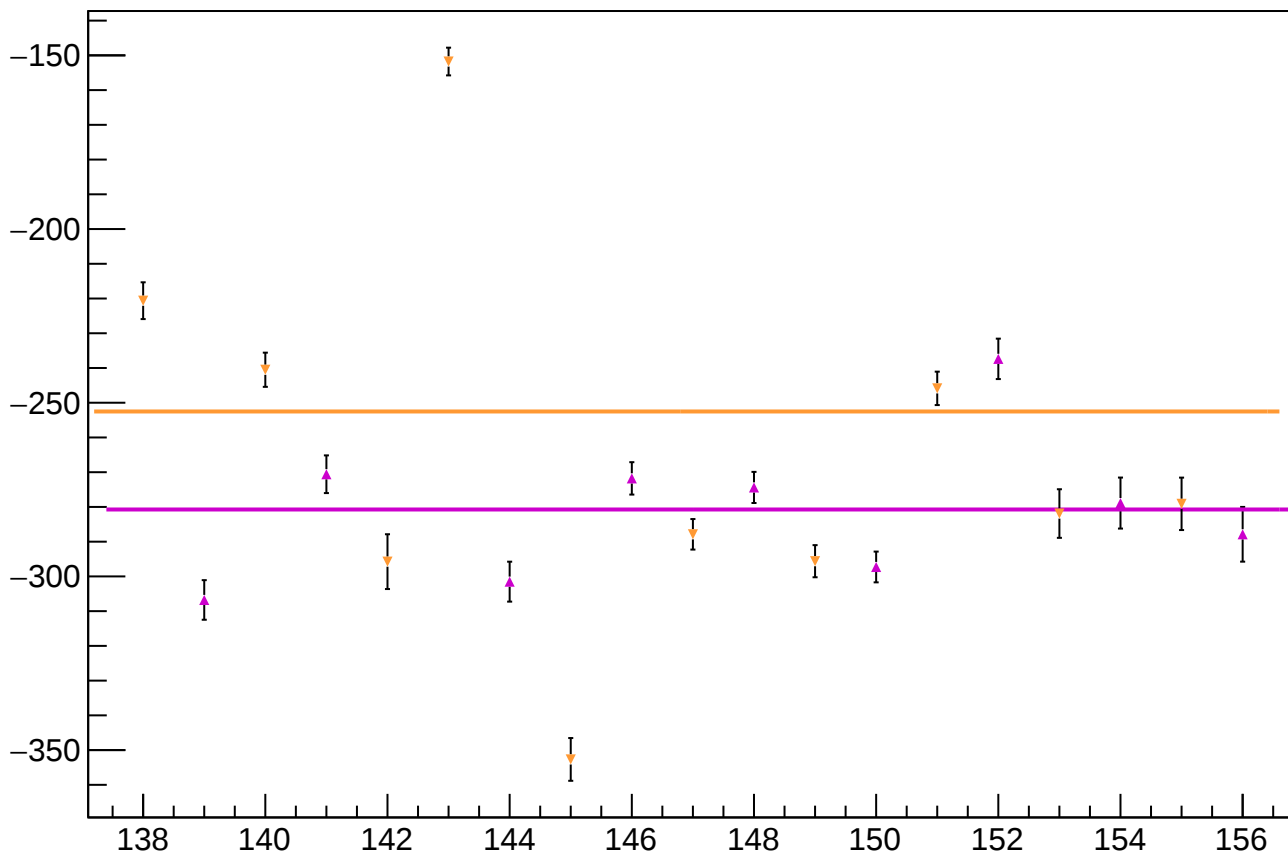
Right Out: -0.733 $\pm$ 0.037 χ^2/NDF : 361368.4/19

Left In: 9.345 $\pm$ 0.020 χ^2/NDF : 13099.9/8

6.567 $\pm$ 0.019 χ^2/NDF : 601491.8/26

7.020 $\pm$ 0.018 χ^2/NDF : 431350.6/28

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: -252.518+/-1.662 χ^2/NDF : 1158.3/9

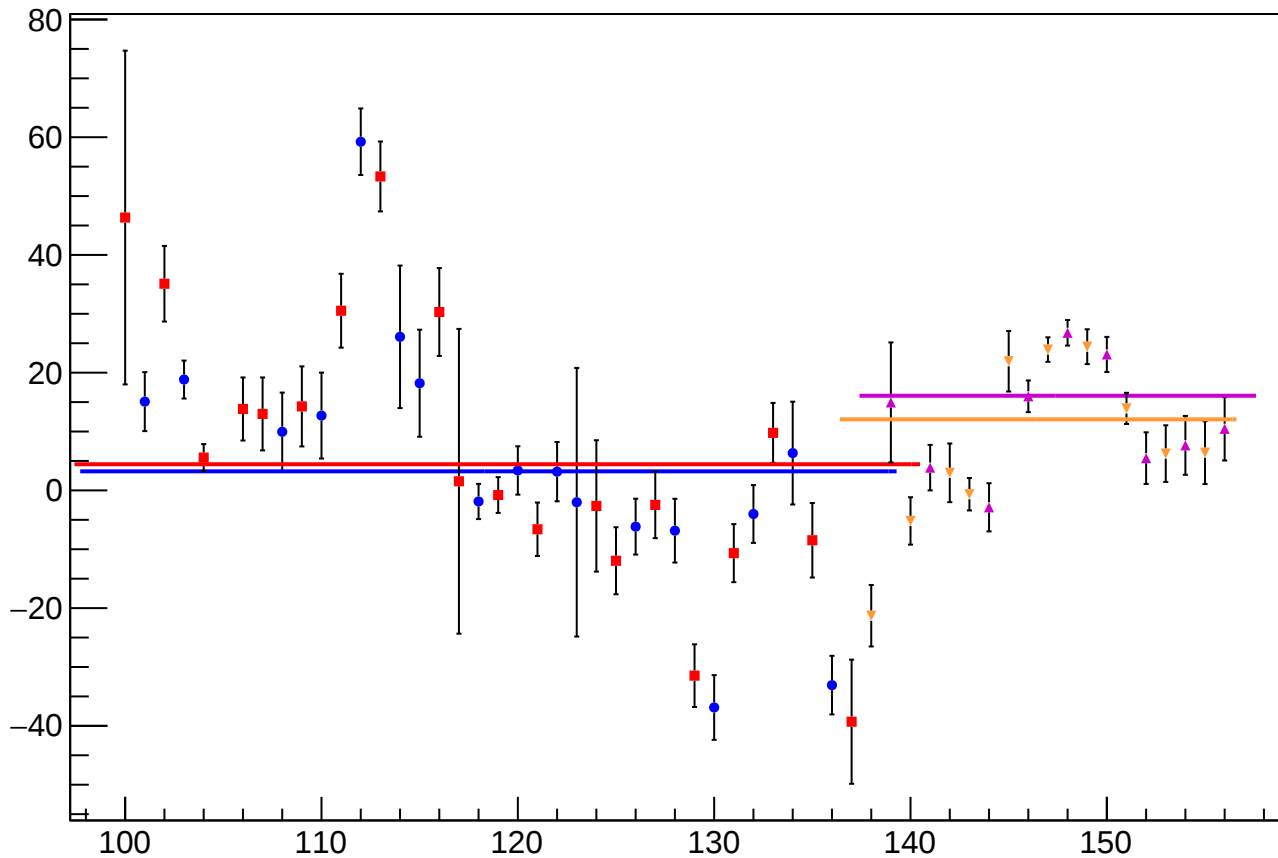
-252.518+/-1.662 χ^2/NDF : 1158.3/9

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

Left In: -280.735+/-1.808 χ^2/NDF : 113.5/8

-280.735+/-1.808 χ^2/NDF : 113.5/8

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 3.237 ± 1.244 χ^2/NDF : 255.3/16

Left Out: 12.072 ± 1.069 χ^2/NDF : 140.4/9

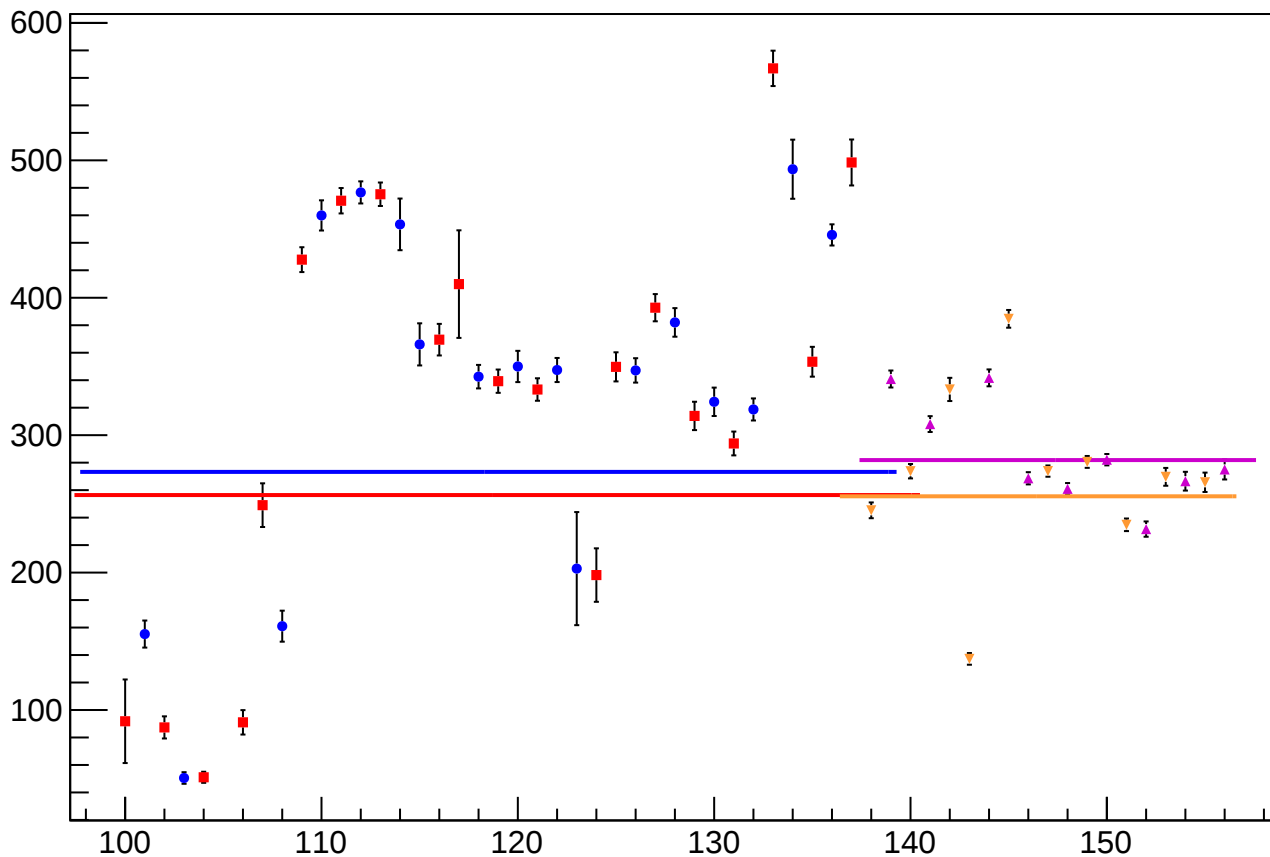
Right Out: 4.444 ± 1.156 χ^2/NDF : 225.8/19

Left In: 16.080 ± 1.174 χ^2/NDF : 71.0/8

8.316 ± 0.811 χ^2/NDF : 424.7/26

10.171 ± 0.824 χ^2/NDF : 346.6/28

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: 255.512 $\pm$ 1.657 χ^2/NDF : 1353.1/9

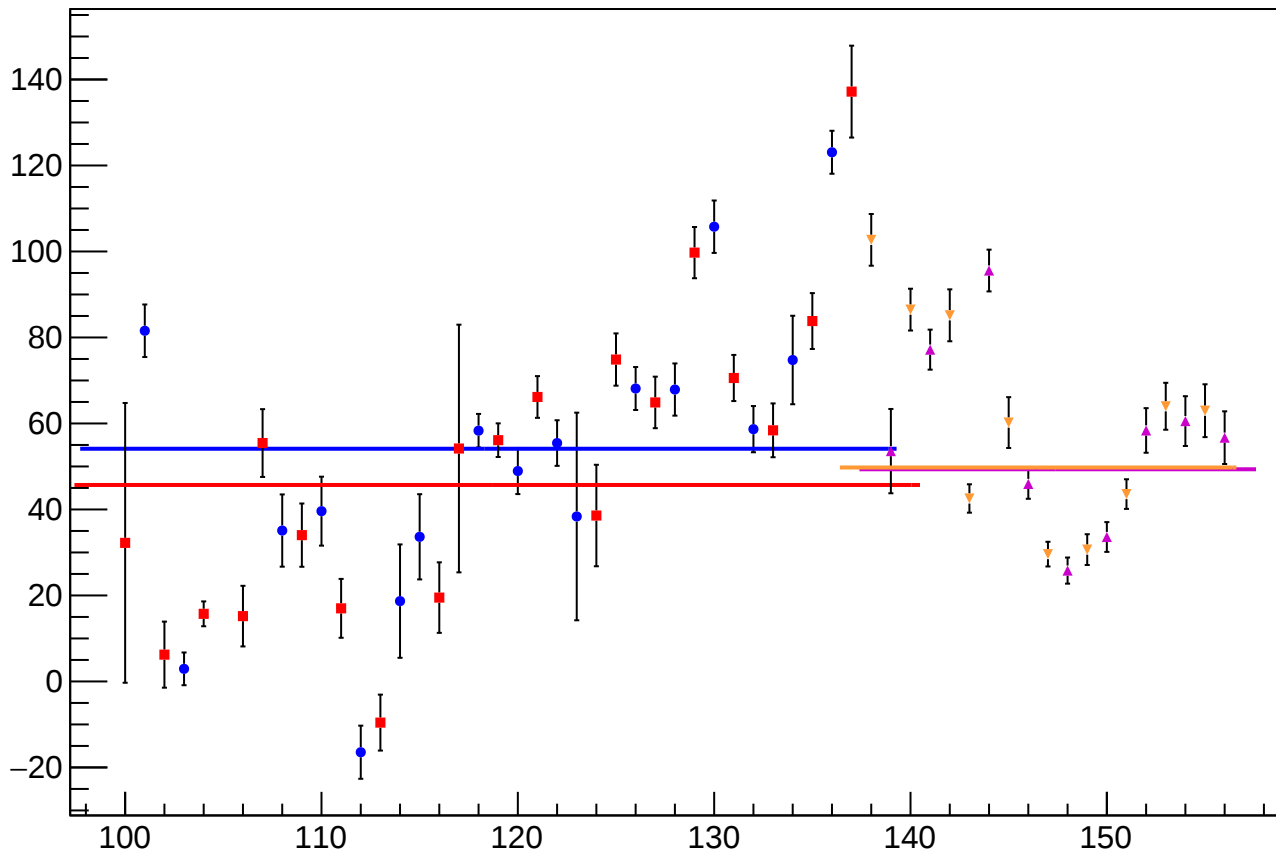
Right Out: 256.418 $\pm$ 2.077 χ^2/NDF : 6453.9/19

Left In: 281.874 $\pm$ 1.766 χ^2/NDF : 327.2/8

261.923 $\pm$ 1.324 χ^2/NDF : 6496.1/26

271.192 $\pm$ 1.345 χ^2/NDF : 6868.3/28

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: 49.757 ± 1.335 χ^2/NDF : 269.1/9

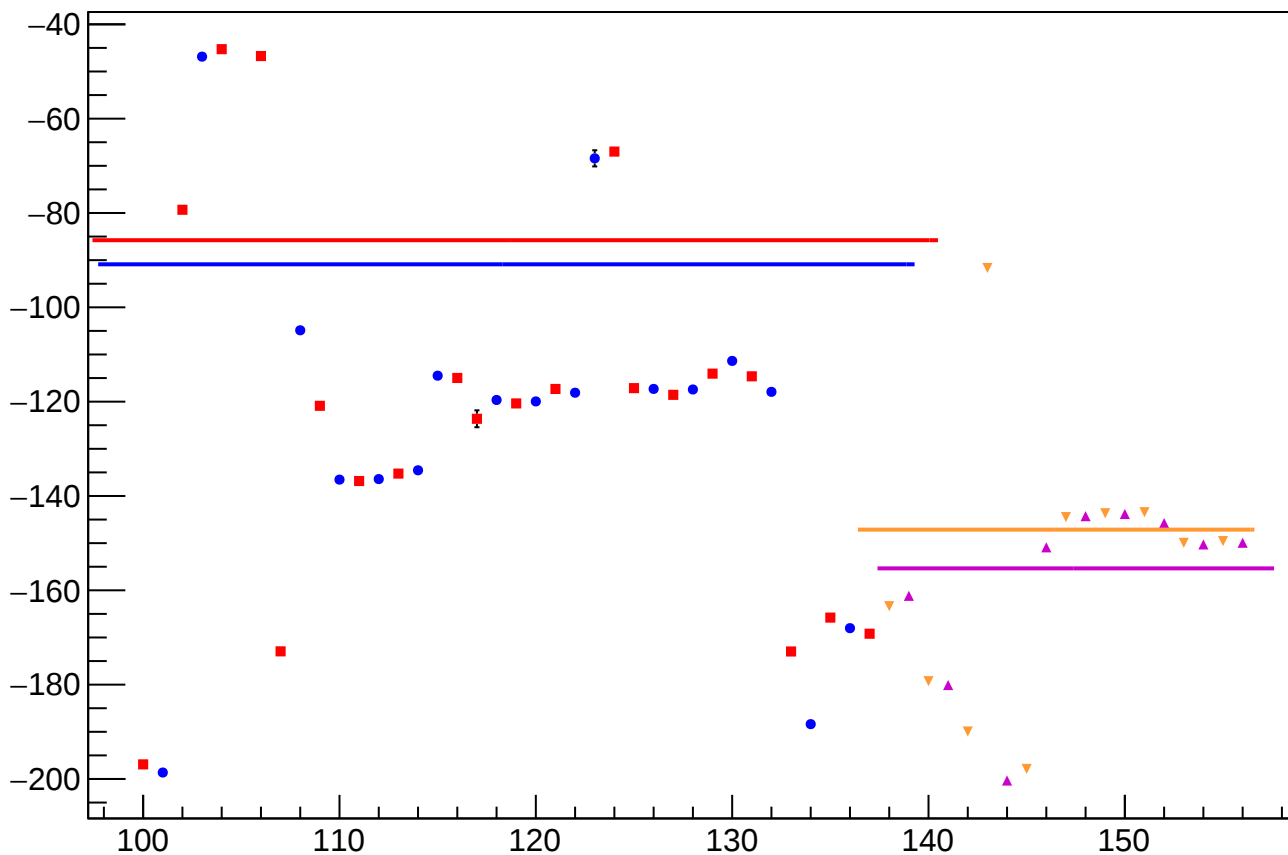
Right Out: 45.694 ± 1.356 χ^2/NDF : 531.1/19

Left In: 49.344 ± 1.461 χ^2/NDF : 216.6/8

51.776 ± 0.978 χ^2/NDF : 908.0/26

47.383 ± 0.994 χ^2/NDF : 751.1/28

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: -147.135 ± 0.069 χ^2/NDF : 186770.4/9

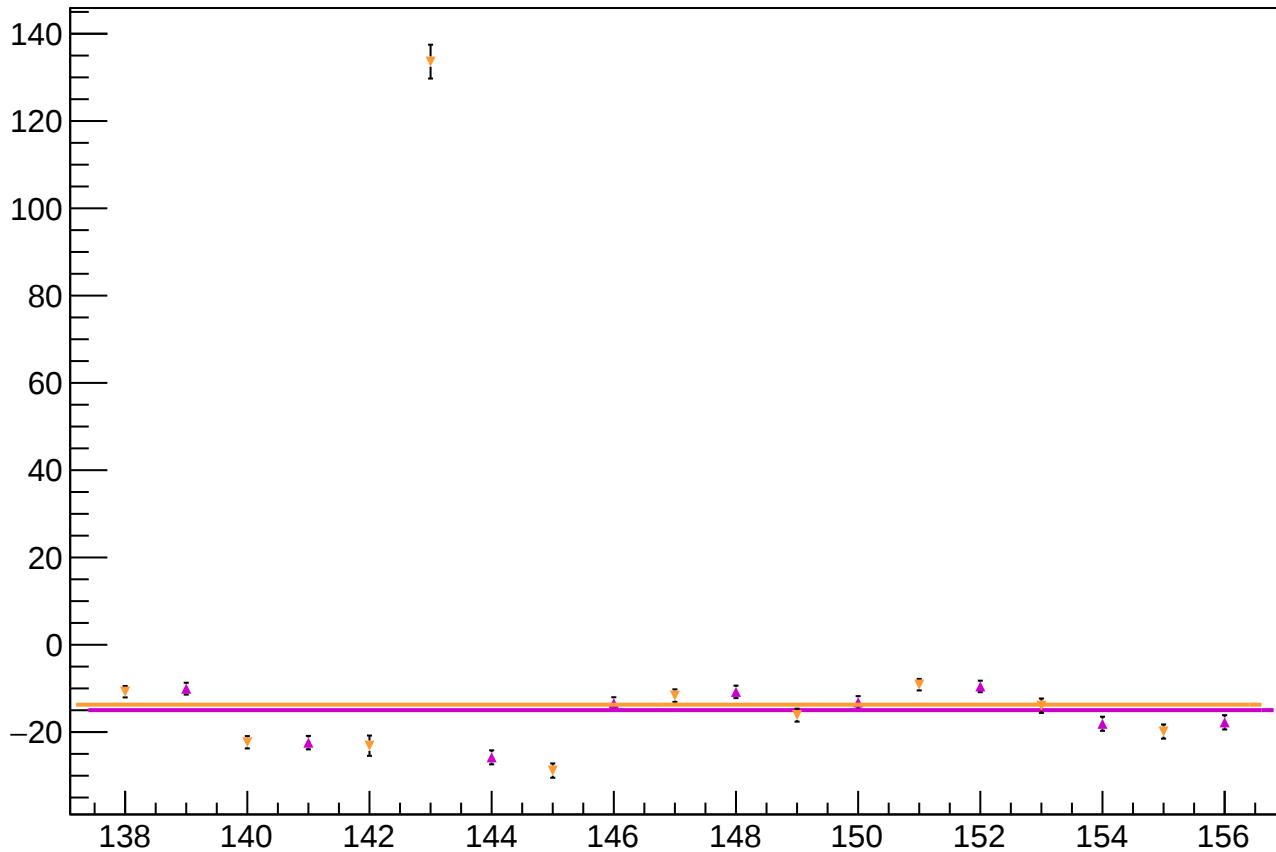
Right Out: -85.772 ± 0.065 χ^2/NDF : 494629.5/19

Left In: -155.350 ± 0.072 χ^2/NDF : 51188.6/8

-118.642 ± 0.048 χ^2/NDF : 1060388.4/26

-117.217 ± 0.048 χ^2/NDF : 1063290.7/28

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



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

-13.723+/-0.503 χ^2/NDF : 1615.2/9

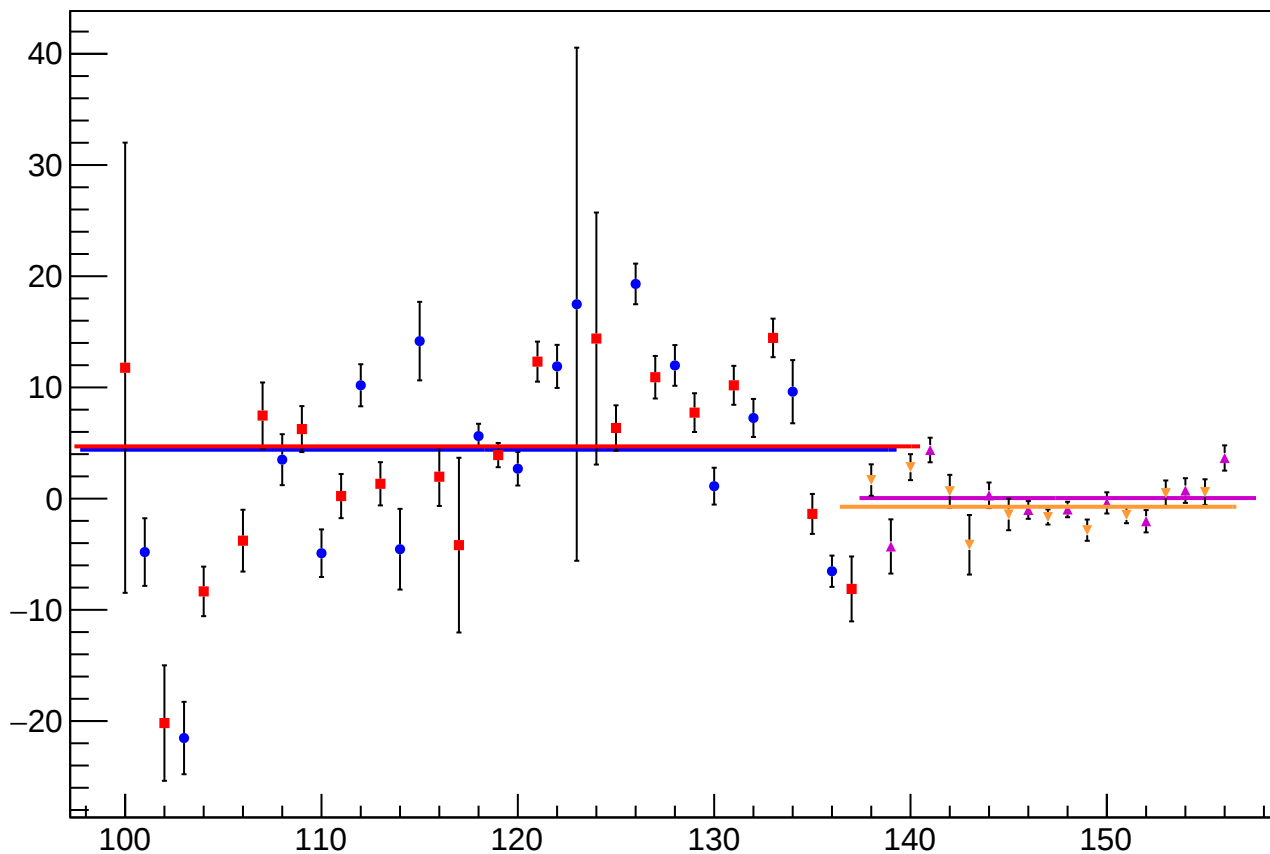
Left Out: -13.723+/-0.503 χ^2/NDF : 1615.2/9

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

-14.974+/-0.488 χ^2/NDF : 116.7/8

Left In: -14.974+/-0.488 χ^2/NDF : 116.7/8

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.399 ± 0.471 χ^2/NDF : 286.8/16

Left Out: -0.732 ± 0.336 χ^2/NDF : 25.0/9

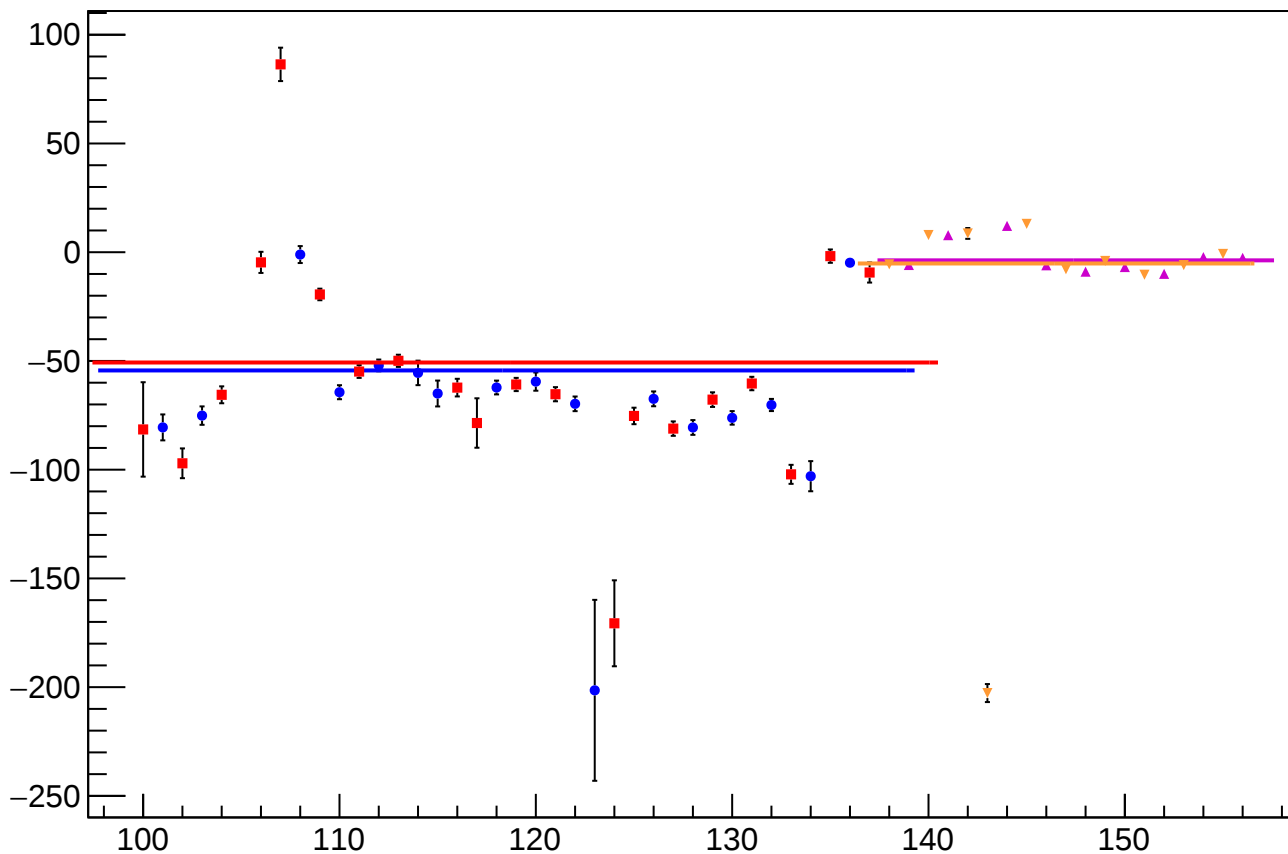
Right Out: 4.700 ± 0.472 χ^2/NDF : 184.2/19

Left In: 0.051 ± 0.332 χ^2/NDF : 37.5/8

0.995 ± 0.273 χ^2/NDF : 390.6/26

1.591 ± 0.272 χ^2/NDF : 286.5/28

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -54.365 ± 0.868 $\chi^2/\text{NDF}: 1013.5/16$

Left Out: -5.180 ± 0.497 $\chi^2/\text{NDF}: 2523.3/9$

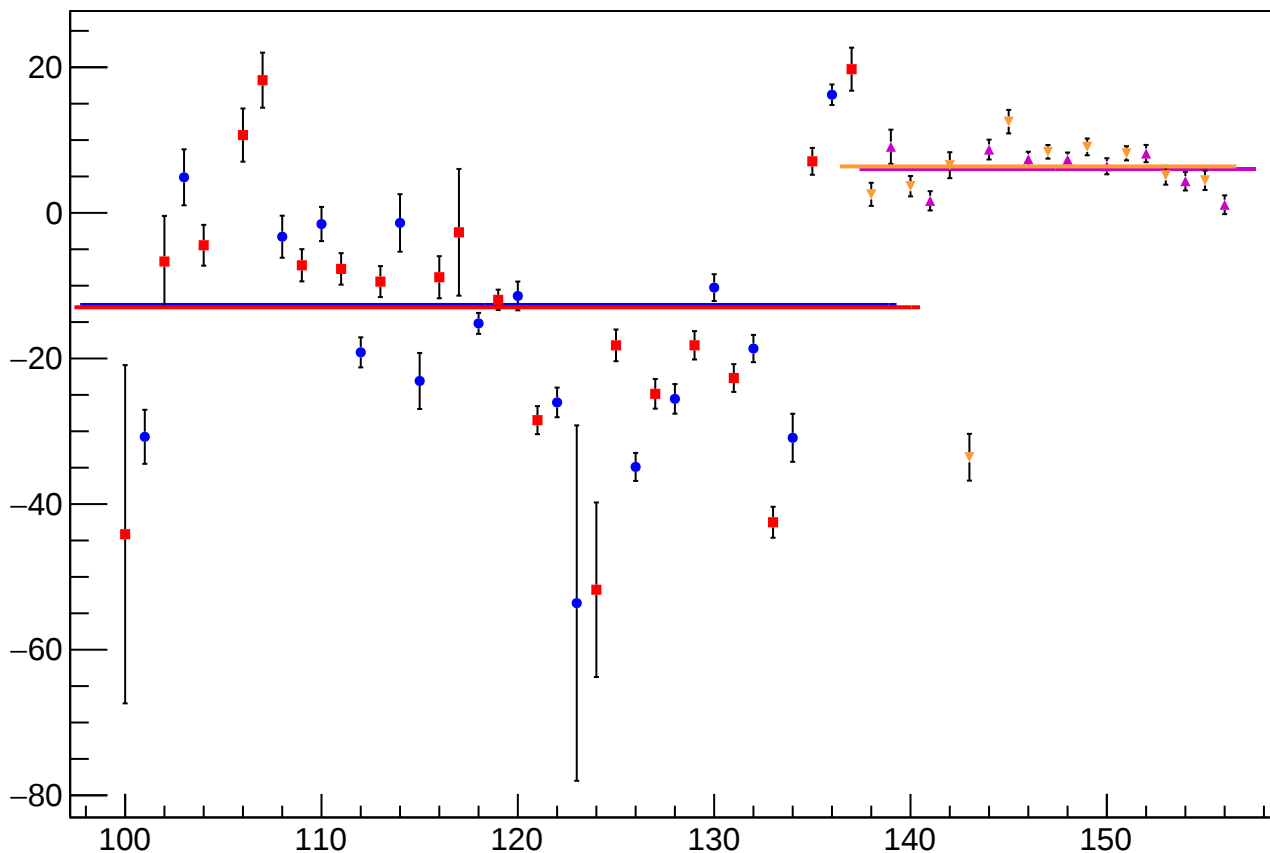
Right Out: -50.712 ± 0.855 $\chi^2/\text{NDF}: 1327.3/19$

Left In: -3.739 ± 0.478 $\chi^2/\text{NDF}: 186.1/8$

-17.305 ± 0.431 $\chi^2/\text{NDF}: 5954.8/26$

-14.914 ± 0.417 $\chi^2/\text{NDF}: 3813.2/28$

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: 6.380 ± 0.415 χ^2/NDF : 195.1/9

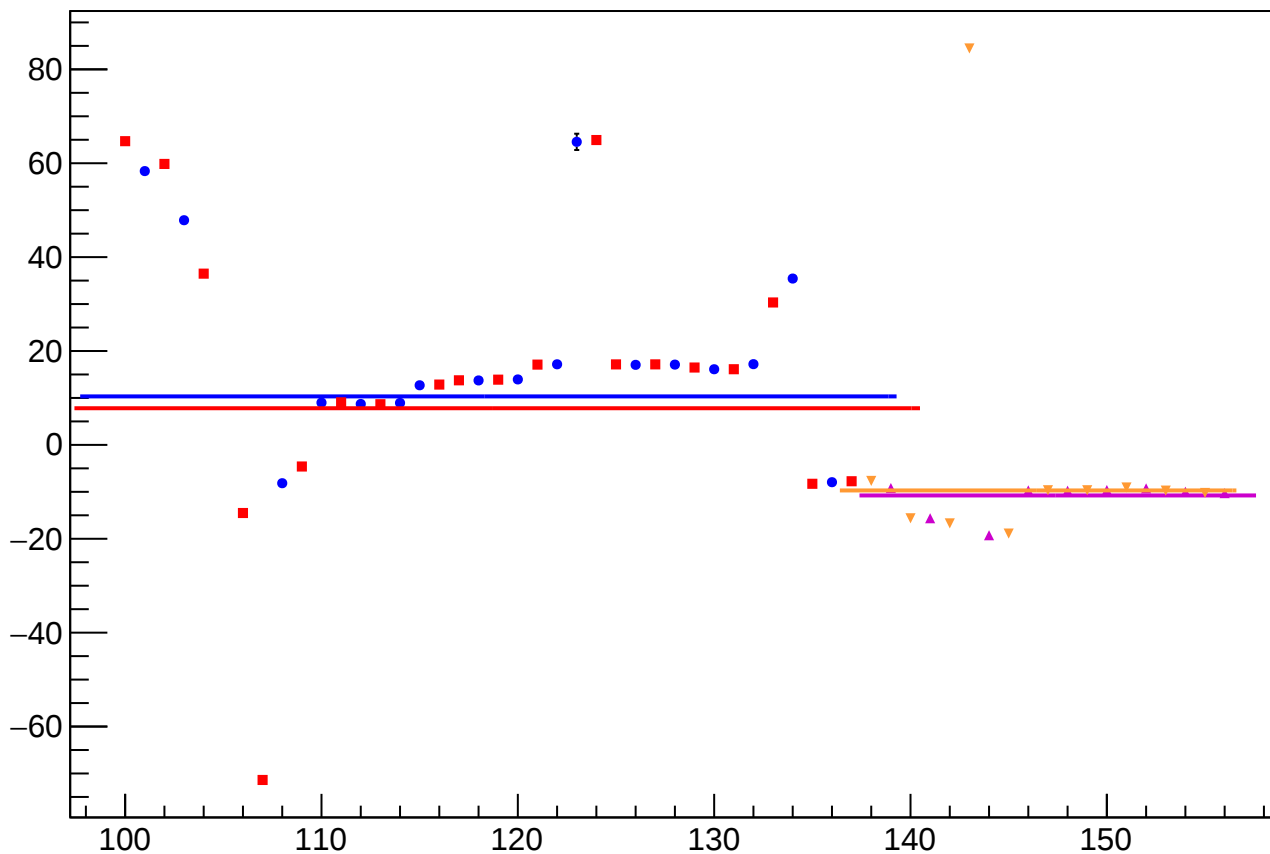
Right Out: -12.965 ± 0.536 χ^2/NDF : 722.8/19

Left In: 6.027 ± 0.407 χ^2/NDF : 39.5/8

-0.747 ± 0.328 χ^2/NDF : 1770.9/26

-0.905 ± 0.324 χ^2/NDF : 1558.1/28

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: -9.705+/-0.020 χ^2/NDF : 354556.0/9

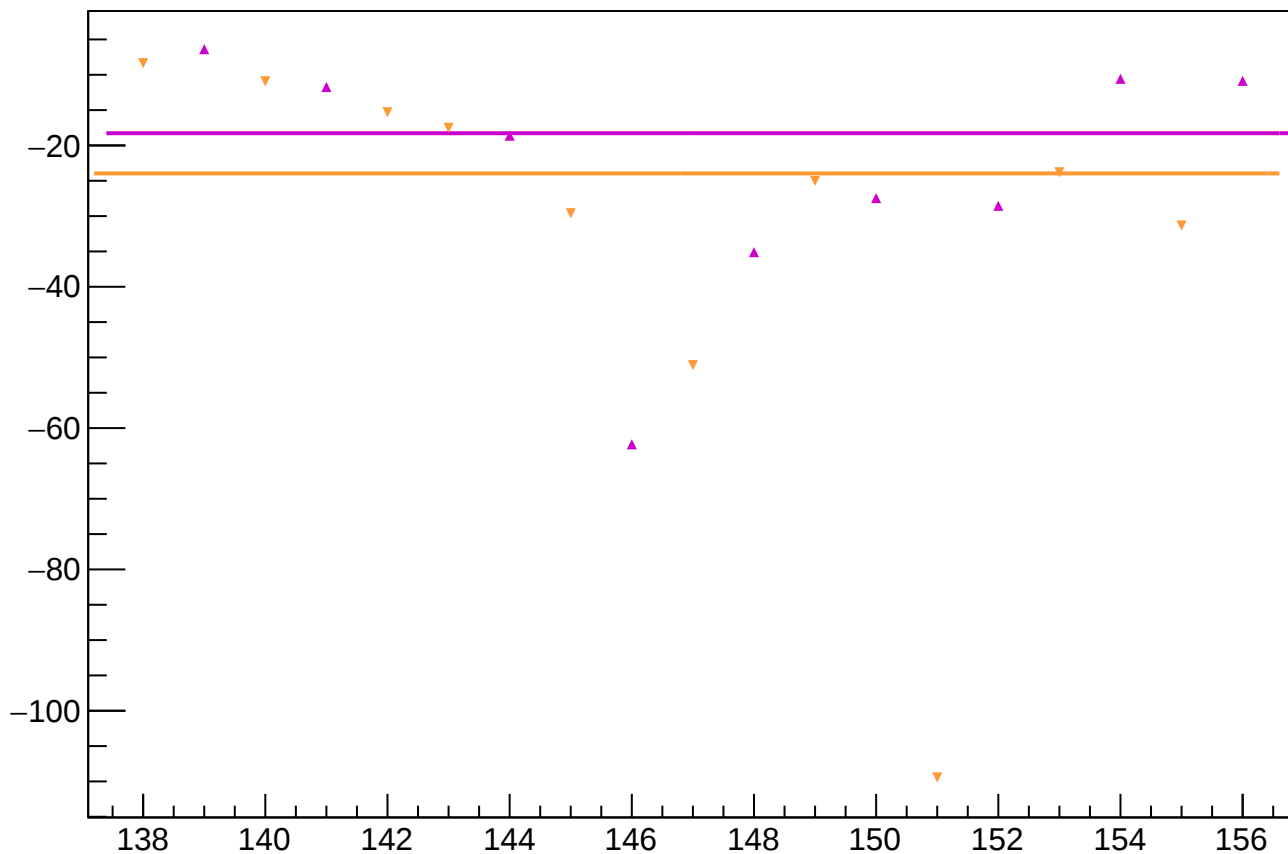
Right Out: 7.808+/-0.031 χ^2/NDF : 544249.7/19

Left In: -10.770+/-0.019 χ^2/NDF : 21307.2/8

-3.696+/-0.017 χ^2/NDF : 1034047.1/26

-5.820+/-0.016 χ^2/NDF : 824828.6/28

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

Left Out: -23.959+/-0.088 χ^2/NDF : 49698.2/9

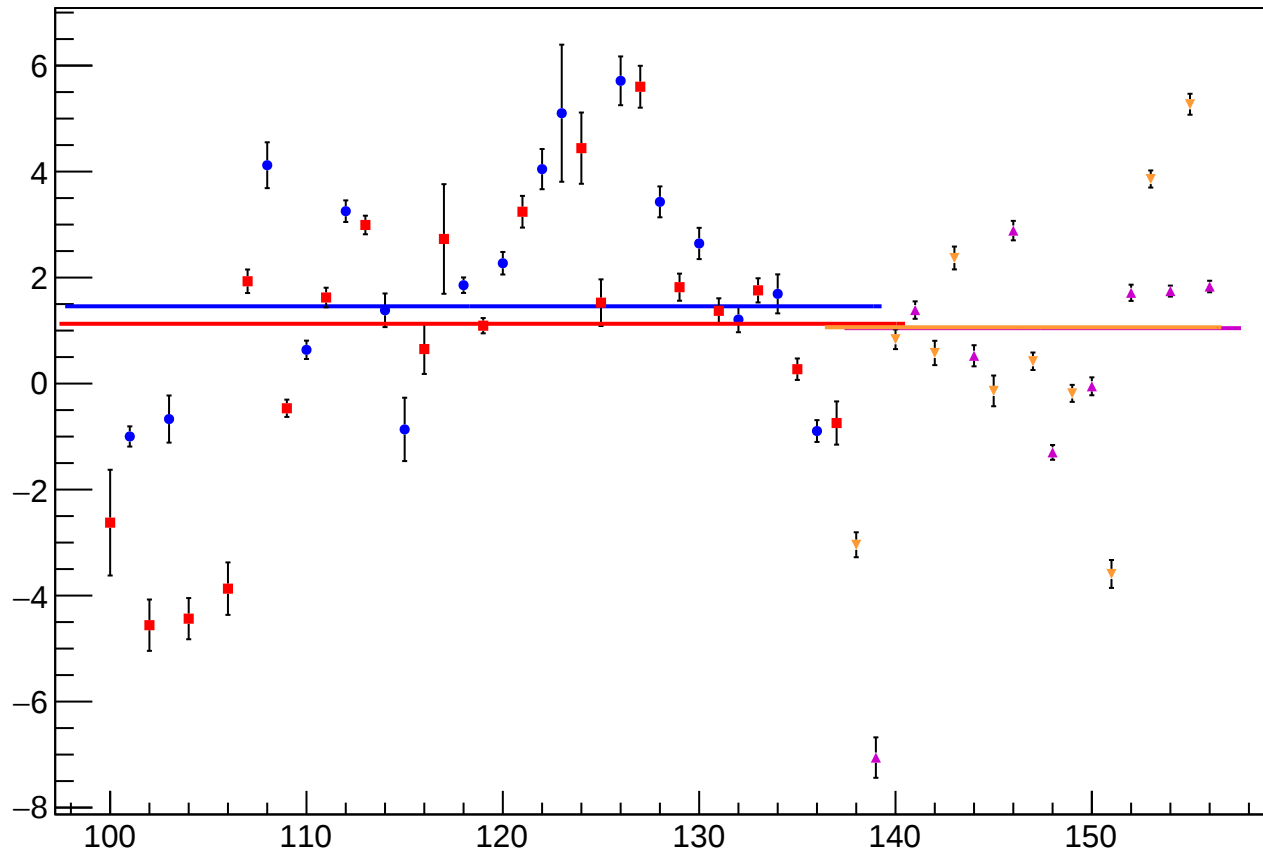
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -18.270+/-0.072 χ^2/NDF : 35325.7/8

-23.959+/-0.088 χ^2/NDF : 49698.2/9

-18.270+/-0.072 χ^2/NDF : 35325.7/8

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 ± 0.062 χ^2/NDF : 698.2/16

Left Out: 1.062 ± 0.063 χ^2/NDF : 1504.9/9

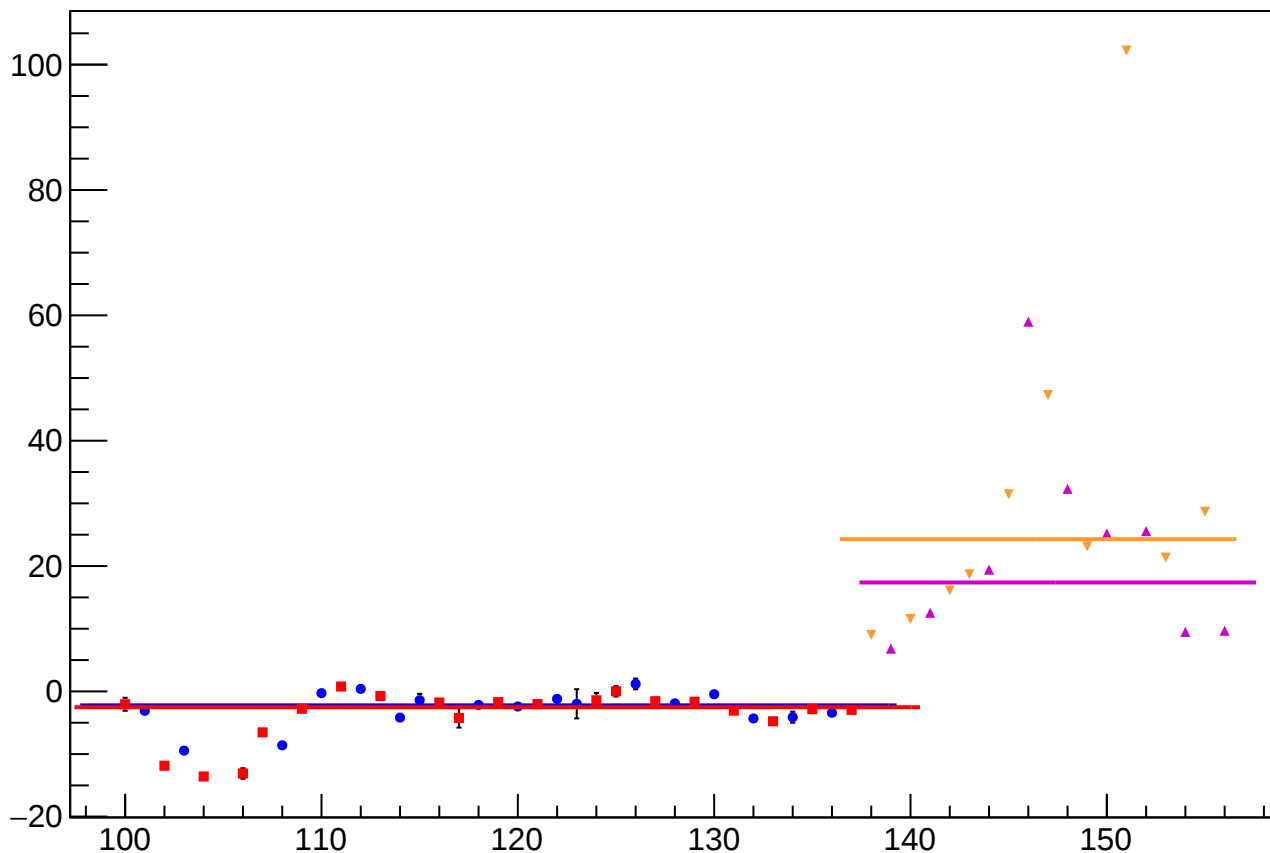
Right Out: 1.128 ± 0.058 χ^2/NDF : 949.8/19

Left In: 1.046 ± 0.050 χ^2/NDF : 1003.0/8

1.263 ± 0.044 χ^2/NDF : 2223.2/26

1.081 ± 0.038 χ^2/NDF : 1954.0/28

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 $\chi^2/\text{NDF}: 460.4/16$

Left Out: 24.286 ± 0.088 $\chi^2/\text{NDF}: 43938.0/9$

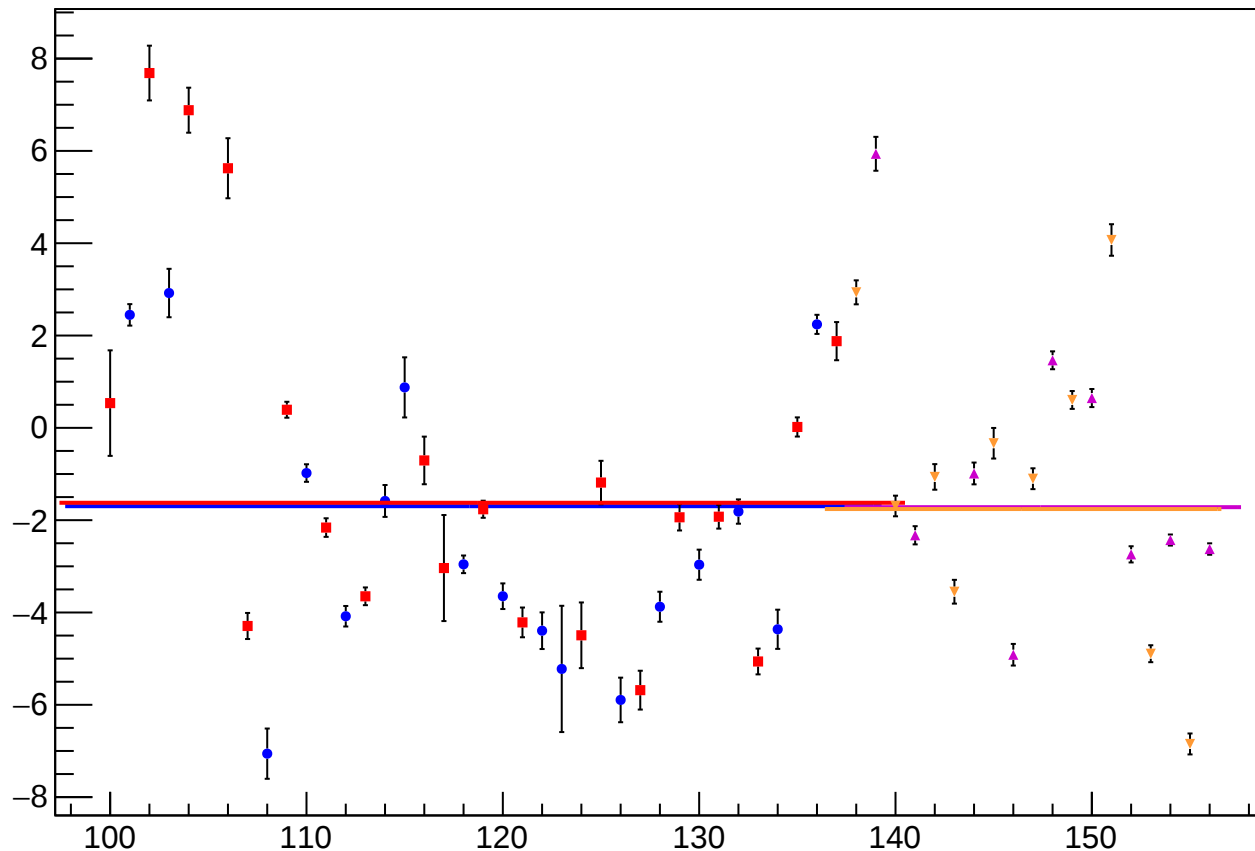
Right Out: -2.527 ± 0.099 $\chi^2/\text{NDF}: 905.2/19$

Left In: 17.376 ± 0.069 $\chi^2/\text{NDF}: 33453.9/8$

14.117 ± 0.069 $\chi^2/\text{NDF}: 79402.4/26$

10.827 ± 0.057 $\chi^2/\text{NDF}: 61602.4/28$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -1.759 ± 0.075 χ^2/NDF : 1643.4/9

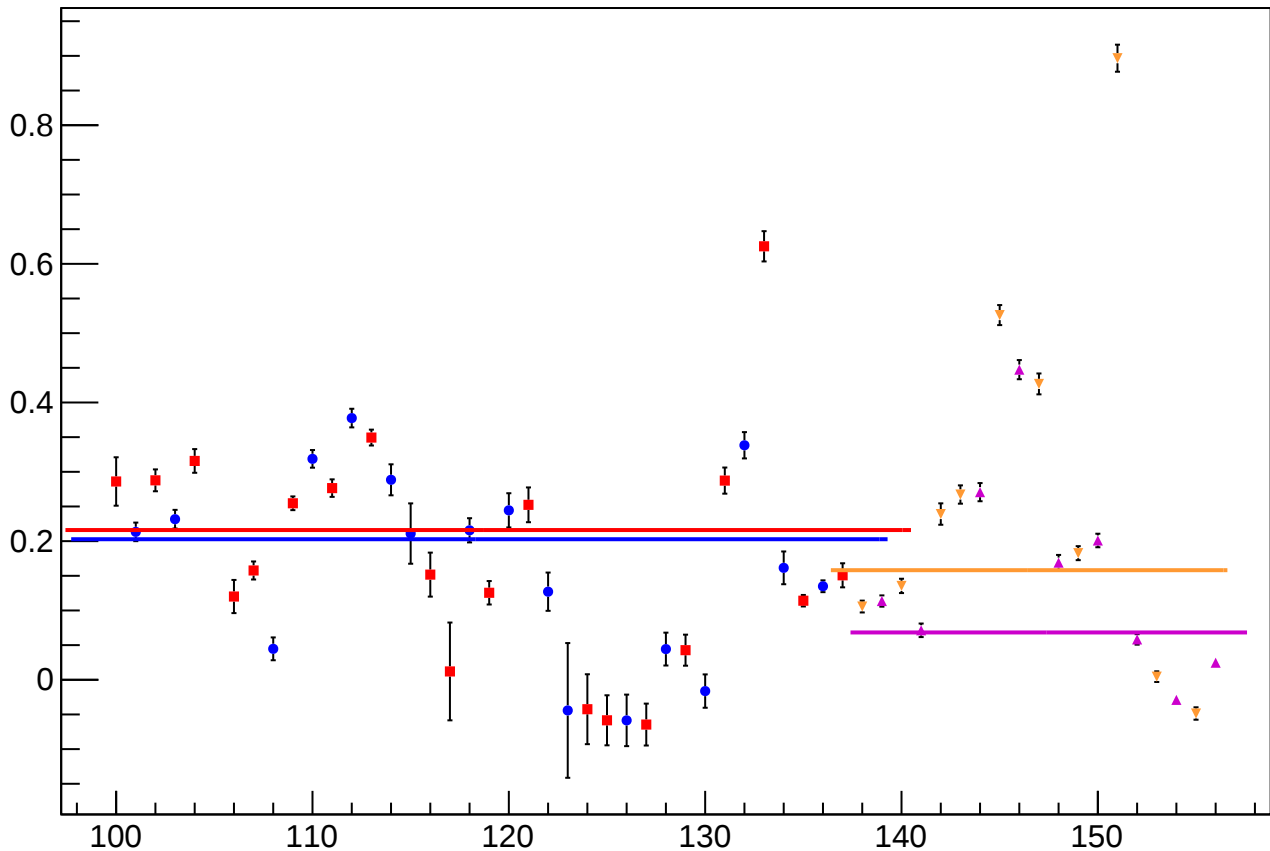
Right Out: -1.623 ± 0.066 χ^2/NDF : 1490.8/19

Left In: -1.718 ± 0.059 χ^2/NDF : 1178.4/8

-1.726 ± 0.052 χ^2/NDF : 2963.2/26

-1.676 ± 0.044 χ^2/NDF : 2670.3/28

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.158 ± 0.003 χ^2/NDF : 3471.5/9

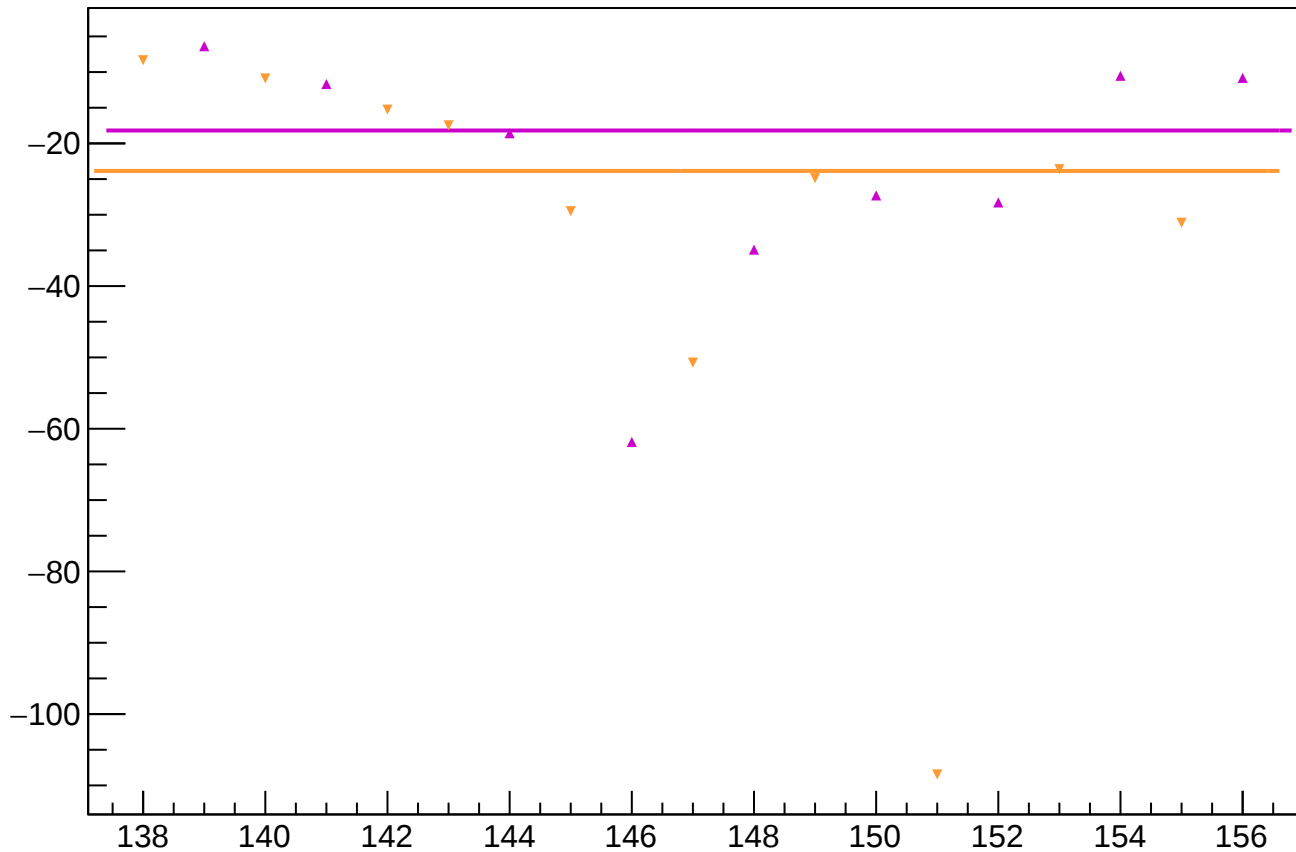
Right Out: 0.216 ± 0.004 χ^2/NDF : 1072.8/19

Left In: 0.068 ± 0.003 χ^2/NDF : 1762.6/8

0.176 ± 0.003 χ^2/NDF : 4216.5/26

0.115 ± 0.002 χ^2/NDF : 3927.2/28

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



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

Left Out: -23.859+/-0.087 χ^2/NDF : 49569.2/9

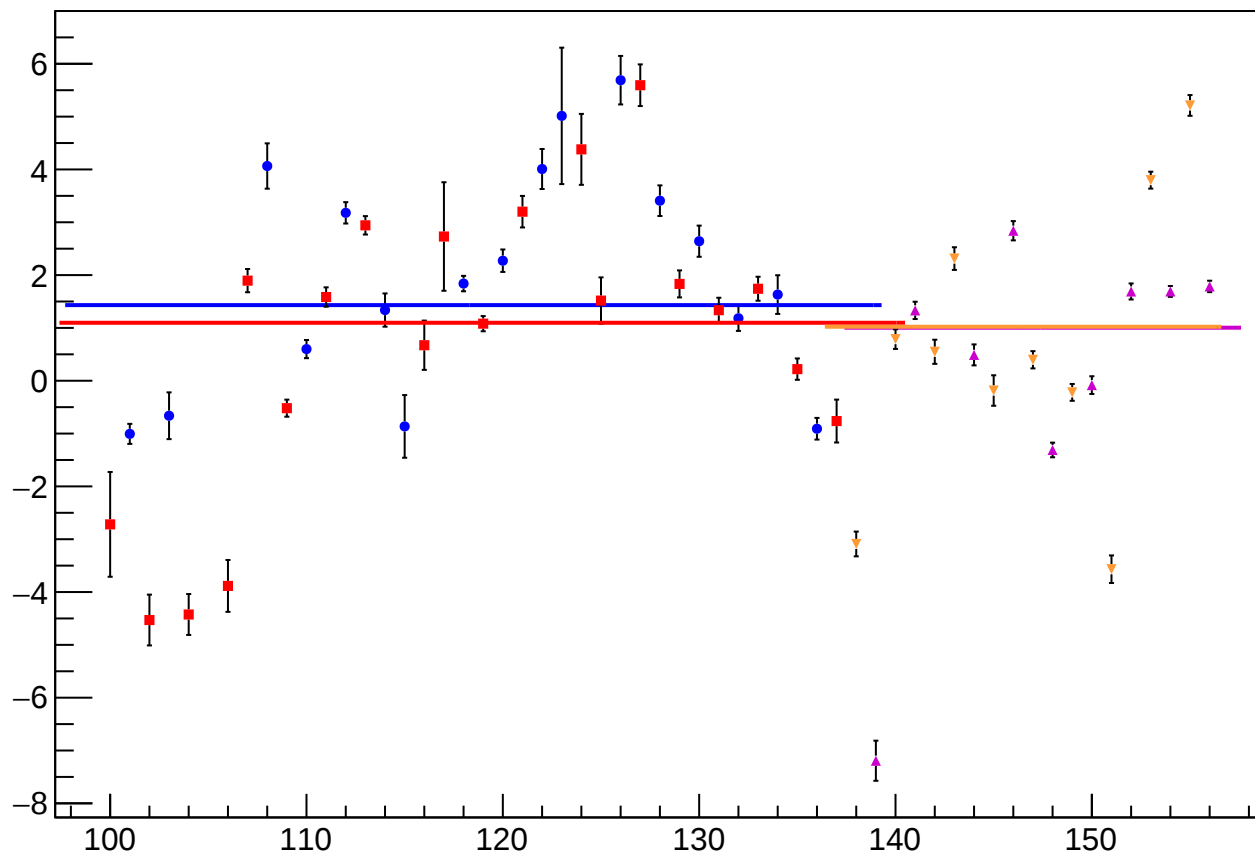
-23.859+/-0.087 χ^2/NDF : 49569.2/9

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

-18.189+/-0.071 χ^2/NDF : 35246.7/8

Left In: -18.189+/-0.071 χ^2/NDF : 35246.7/8

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 1.022 ± 0.062 χ^2/NDF : 1508.1/9

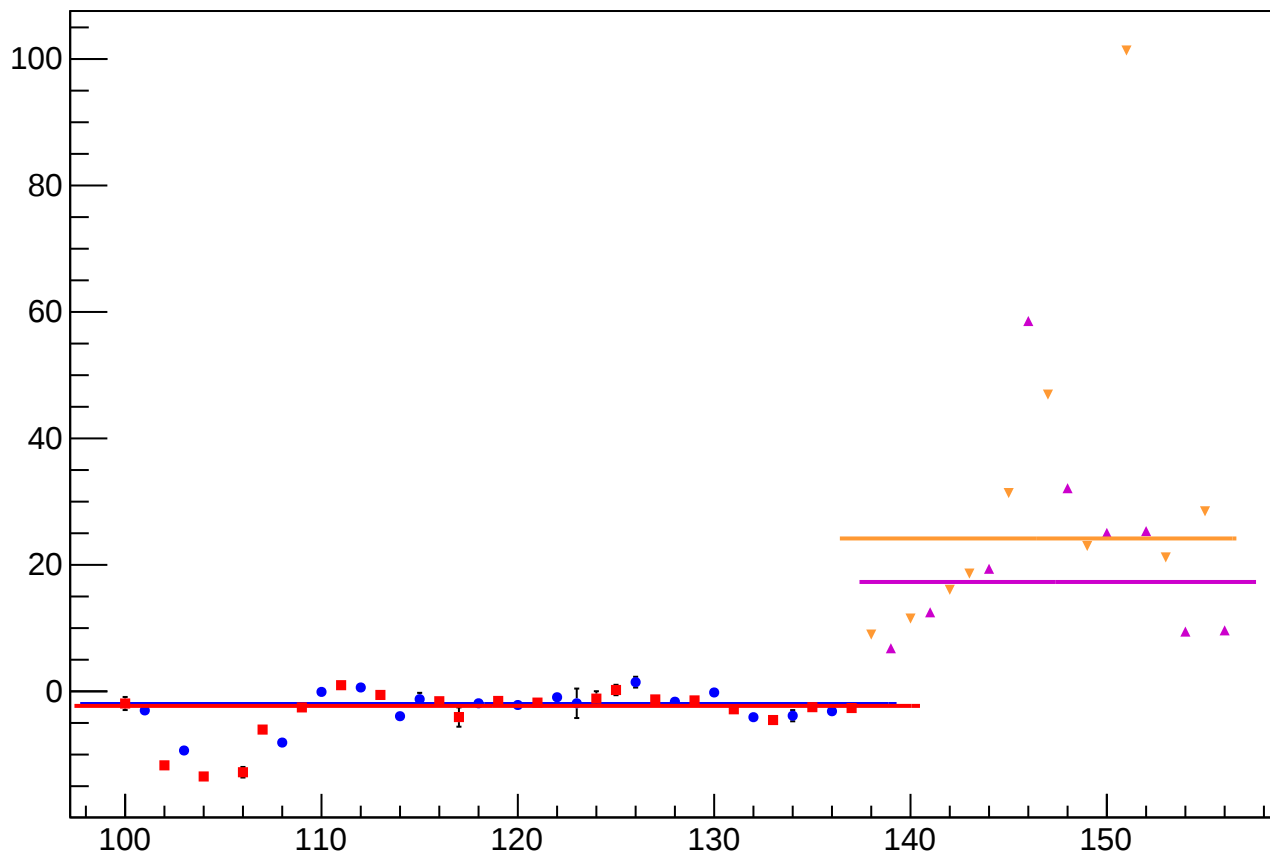
Right Out: 1.098 ± 0.058 χ^2/NDF : 955.7/19

Left In: 1.004 ± 0.049 χ^2/NDF : 1015.6/8

1.230 ± 0.044 χ^2/NDF : 2226.4/26

1.044 ± 0.038 χ^2/NDF : 1972.8/28

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005 ± 0.111 $\chi^2/\text{NDF}: 463.1/16$

Left Out: 24.177 ± 0.087 $\chi^2/\text{NDF}: 43825.9/9$

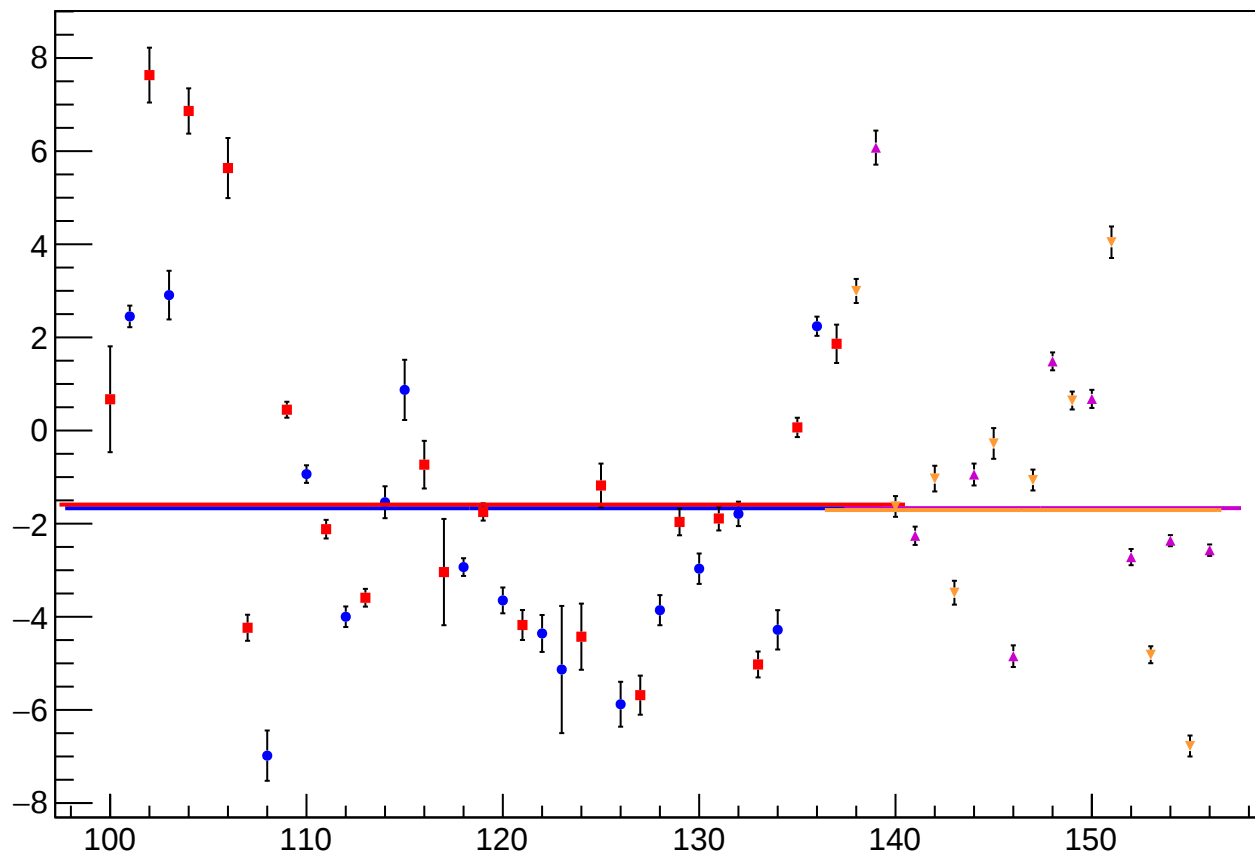
Right Out: -2.302 ± 0.098 $\chi^2/\text{NDF}: 908.6/19$

Left In: 17.297 ± 0.069 $\chi^2/\text{NDF}: 33386.5/8$

14.149 ± 0.069 $\chi^2/\text{NDF}: 78791.0/26$

10.856 ± 0.056 $\chi^2/\text{NDF}: 61008.9/28$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -1.708 ± 0.075 χ^2/NDF : 1647.9/9

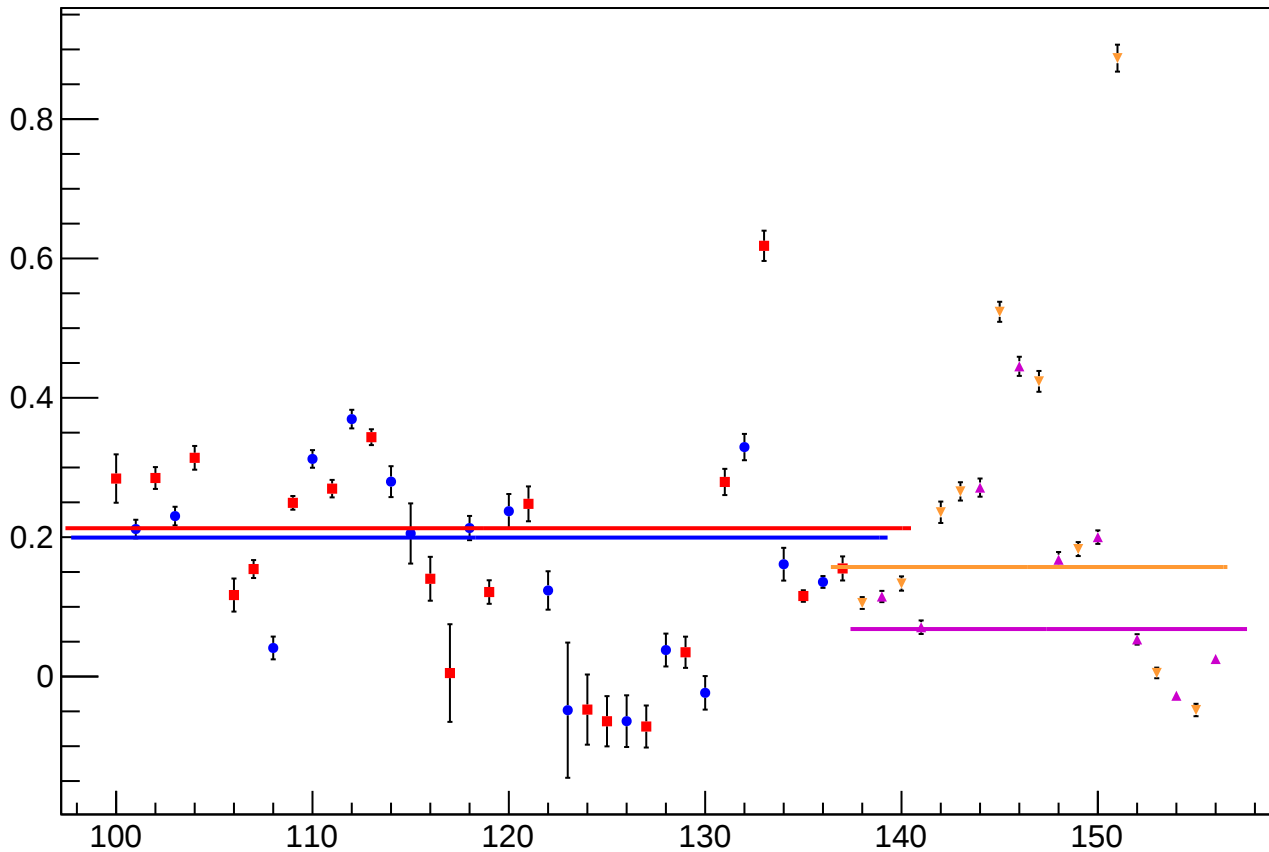
Right Out: -1.590 ± 0.065 χ^2/NDF : 1496.3/19

Left In: -1.667 ± 0.058 χ^2/NDF : 1193.0/8

-1.687 ± 0.051 χ^2/NDF : 2963.0/26

-1.633 ± 0.044 χ^2/NDF : 2690.1/28

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: 0.157 $\pm$ 0.003 χ^2/NDF : 3462.3/9

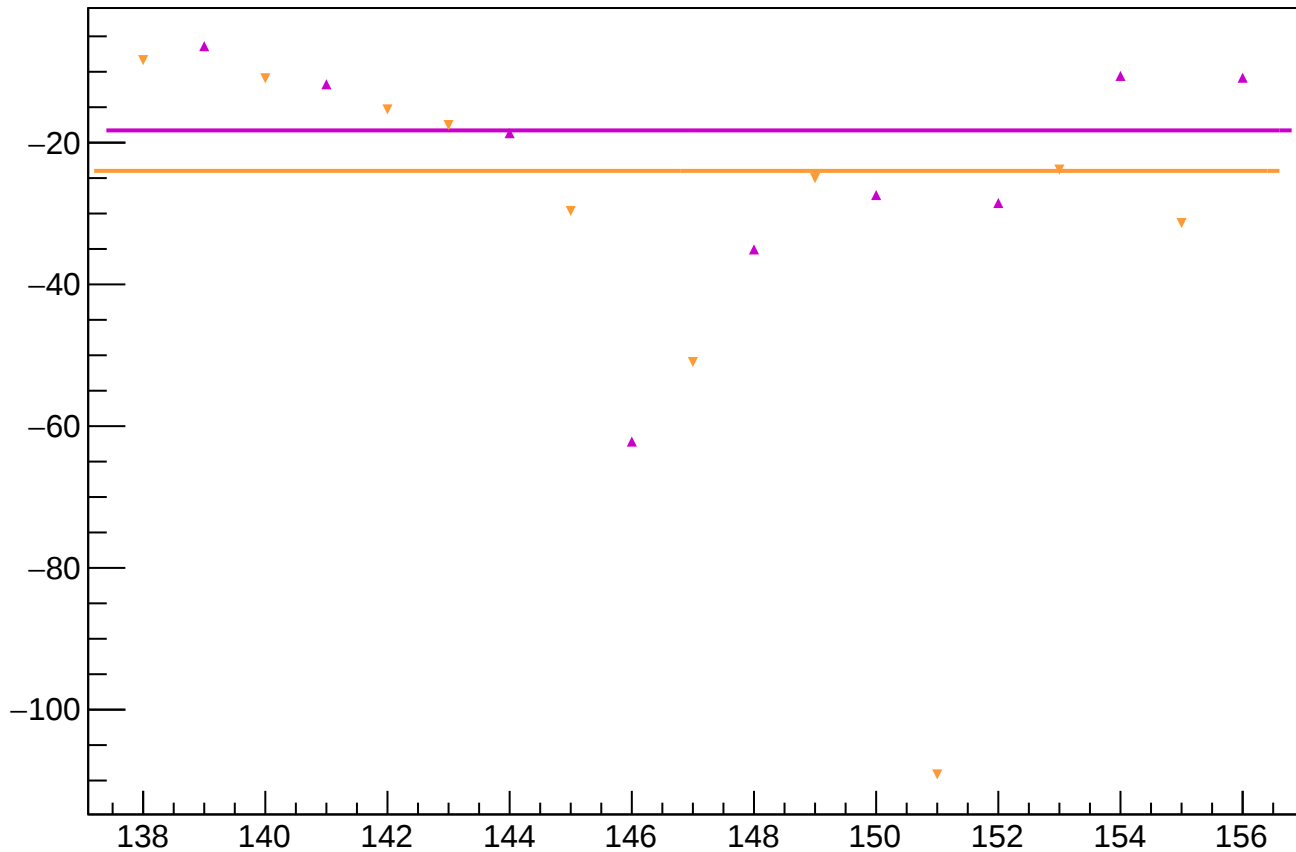
Right Out: 0.213 $\pm$ 0.004 χ^2/NDF : 1057.0/19

Left In: 0.068 $\pm$ 0.003 χ^2/NDF : 1764.3/8

0.174 $\pm$ 0.003 χ^2/NDF : 4186.3/26

0.114 $\pm$ 0.002 χ^2/NDF : 3880.3/28

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



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

Left Out: -23.982+/-0.088 χ^2/NDF : 49685.9/9

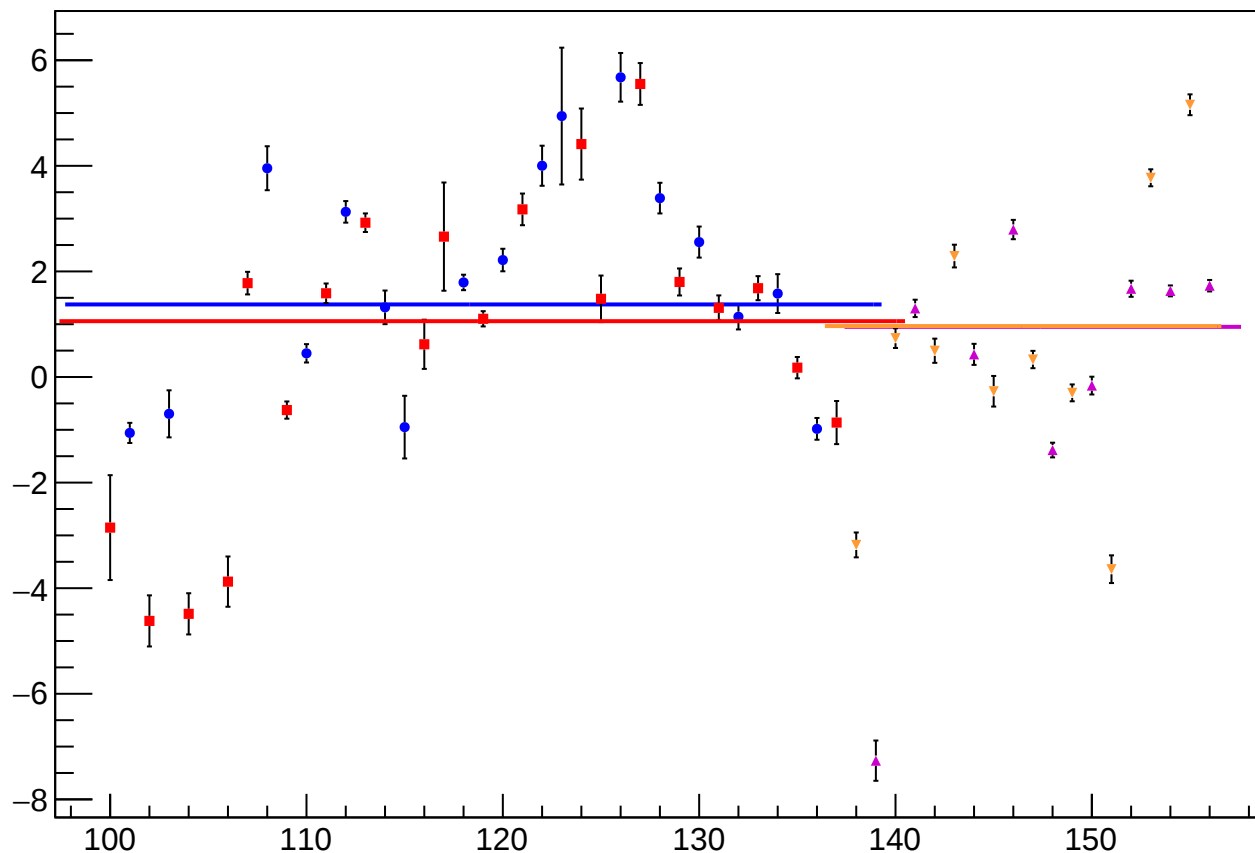
-23.982+/-0.088 χ^2/NDF : 49685.9/9

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

-18.272+/-0.071 χ^2/NDF : 35346.2/8

Left In: -18.272+/-0.071 χ^2/NDF : 35346.2/8

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: 0.965 ± 0.063 $\chi^2/\text{NDF}: 1513.2/9$

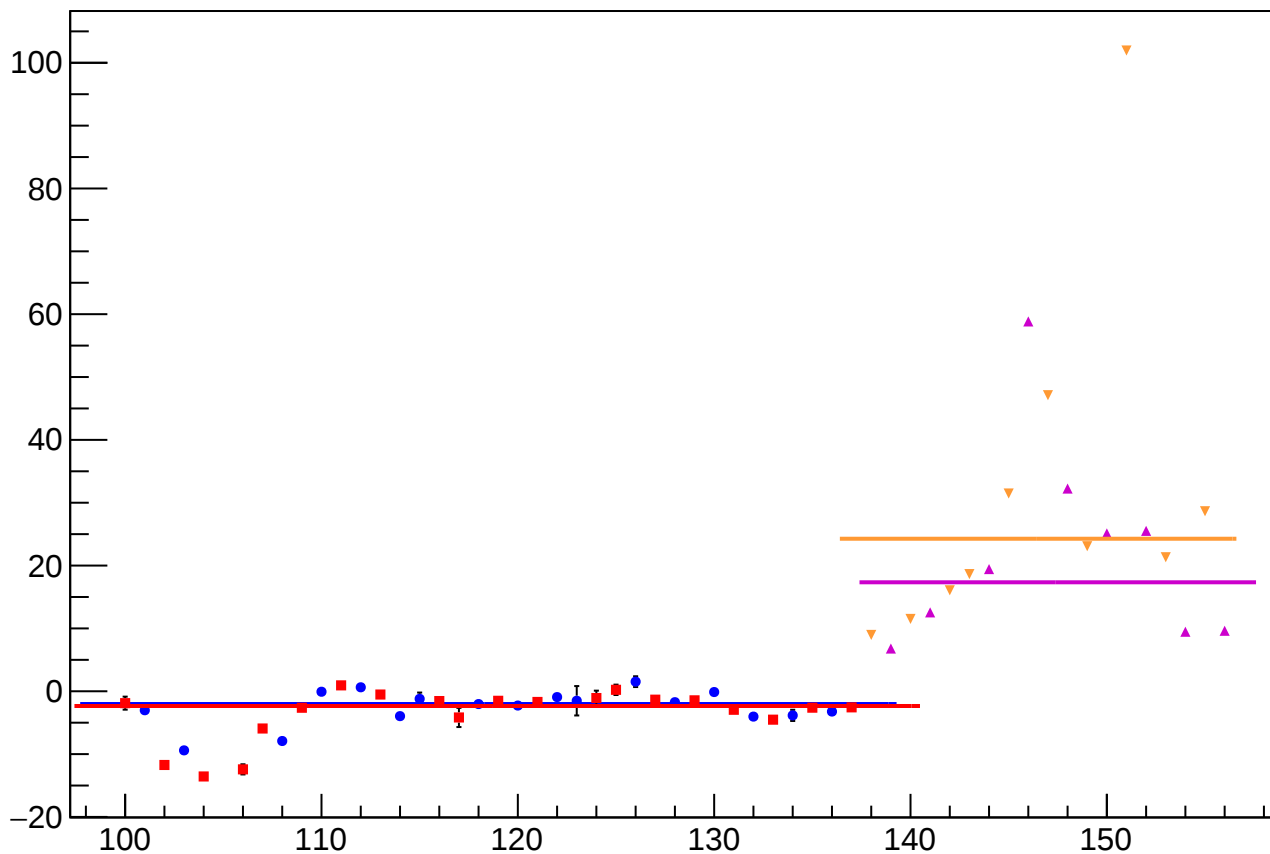
Right Out: 1.058 ± 0.058 $\chi^2/\text{NDF}: 966.5/19$

Left In: 0.950 ± 0.050 $\chi^2/\text{NDF}: 1018.1/8$

1.172 ± 0.044 $\chi^2/\text{NDF}: 2237.3/26$

0.996 ± 0.038 $\chi^2/\text{NDF}: 1986.6/28$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031+/-0.111 χ^2/NDF : 463.2/16

Left Out: 24.270+/-0.088 χ^2/NDF : 43924.6/9

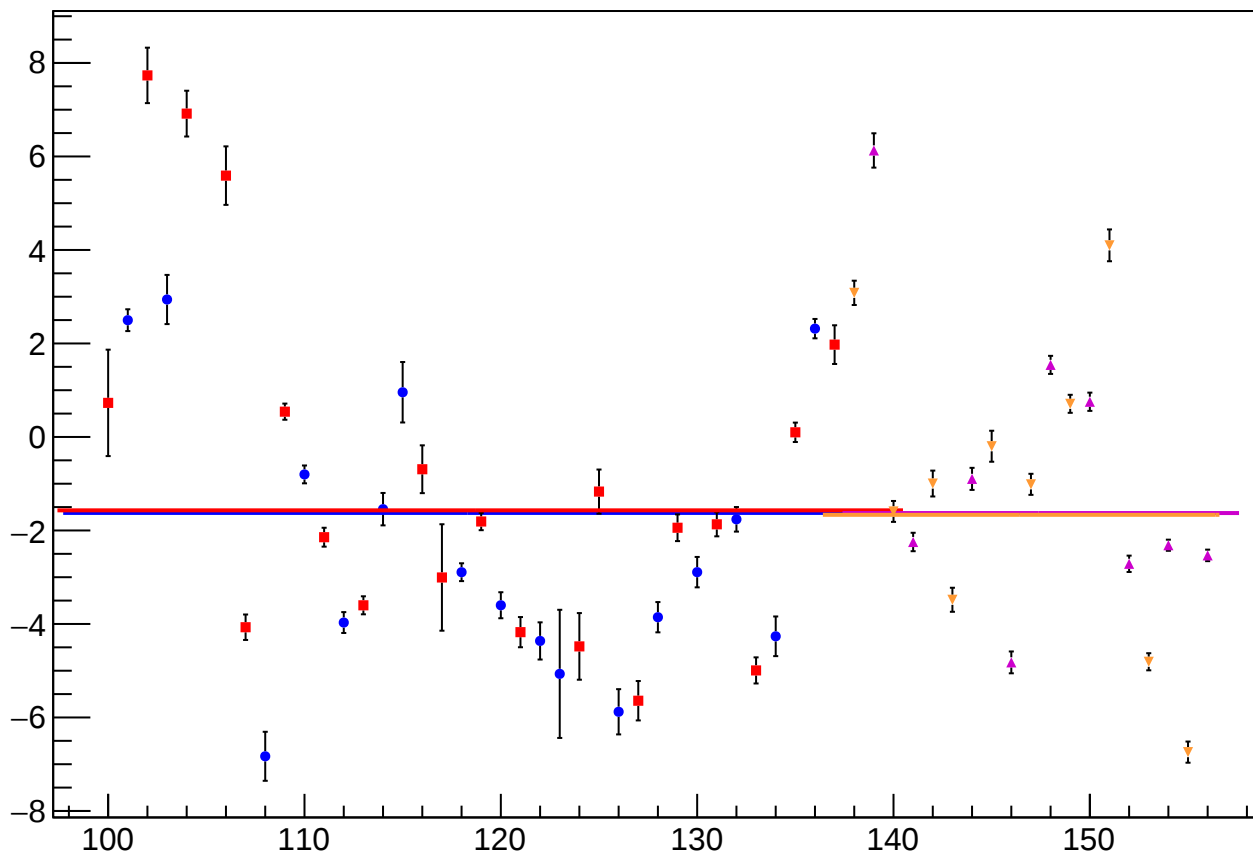
Right Out: -2.344+/-0.099 χ^2/NDF : 903.4/19

Left In: 17.339+/-0.069 χ^2/NDF : 33491.9/8

14.207+/-0.069 χ^2/NDF : 78861.0/26

10.879+/-0.057 χ^2/NDF : 61095.2/28

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: -1.665 ± 0.075 χ^2/NDF : 1654.1/9

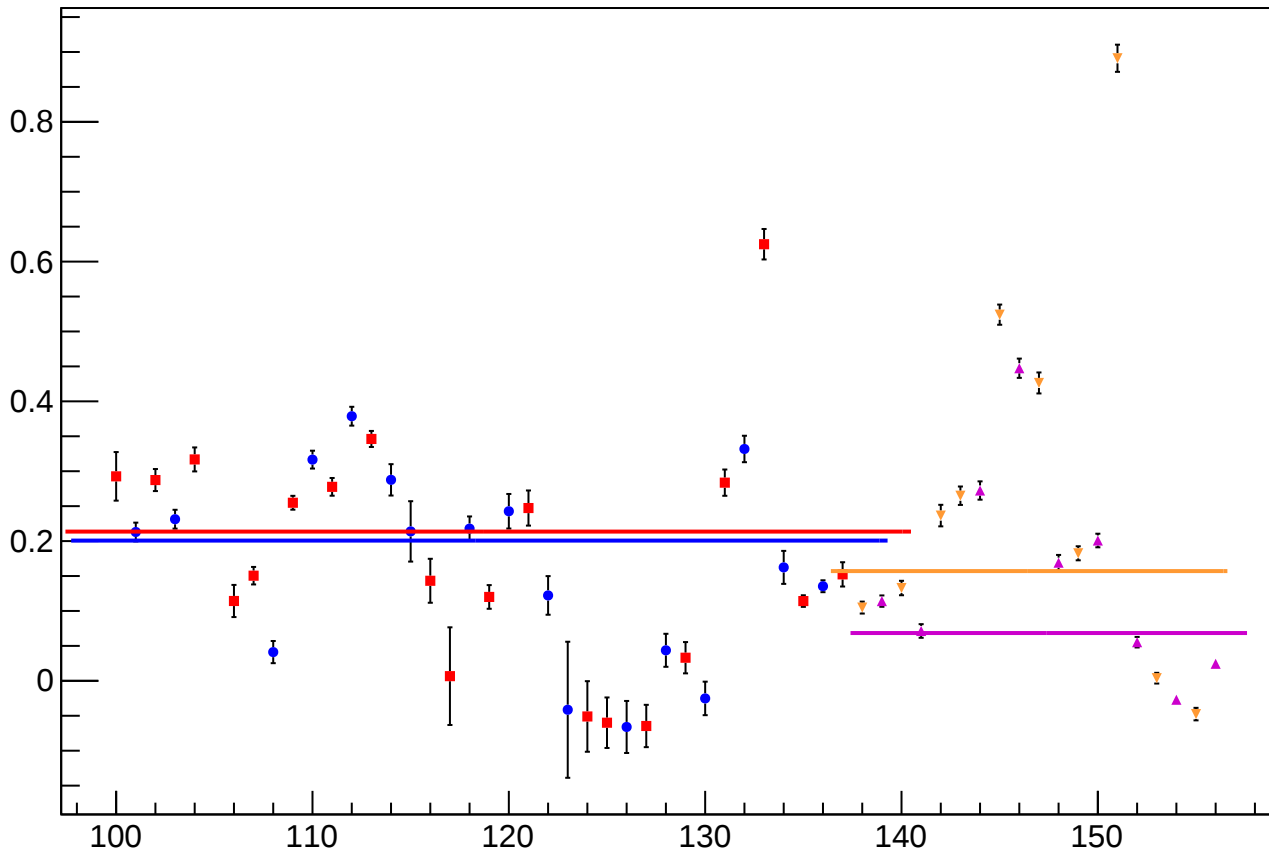
Right Out: -1.570 ± 0.065 χ^2/NDF : 1507.4/19

Left In: -1.627 ± 0.059 χ^2/NDF : 1195.8/8

-1.644 ± 0.052 χ^2/NDF : 2975.0/26

-1.602 ± 0.044 χ^2/NDF : 2703.6/28

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 690.6/16

Left Out: 0.157 $\pm$ 0.003 χ^2 /NDF:3455.1/9

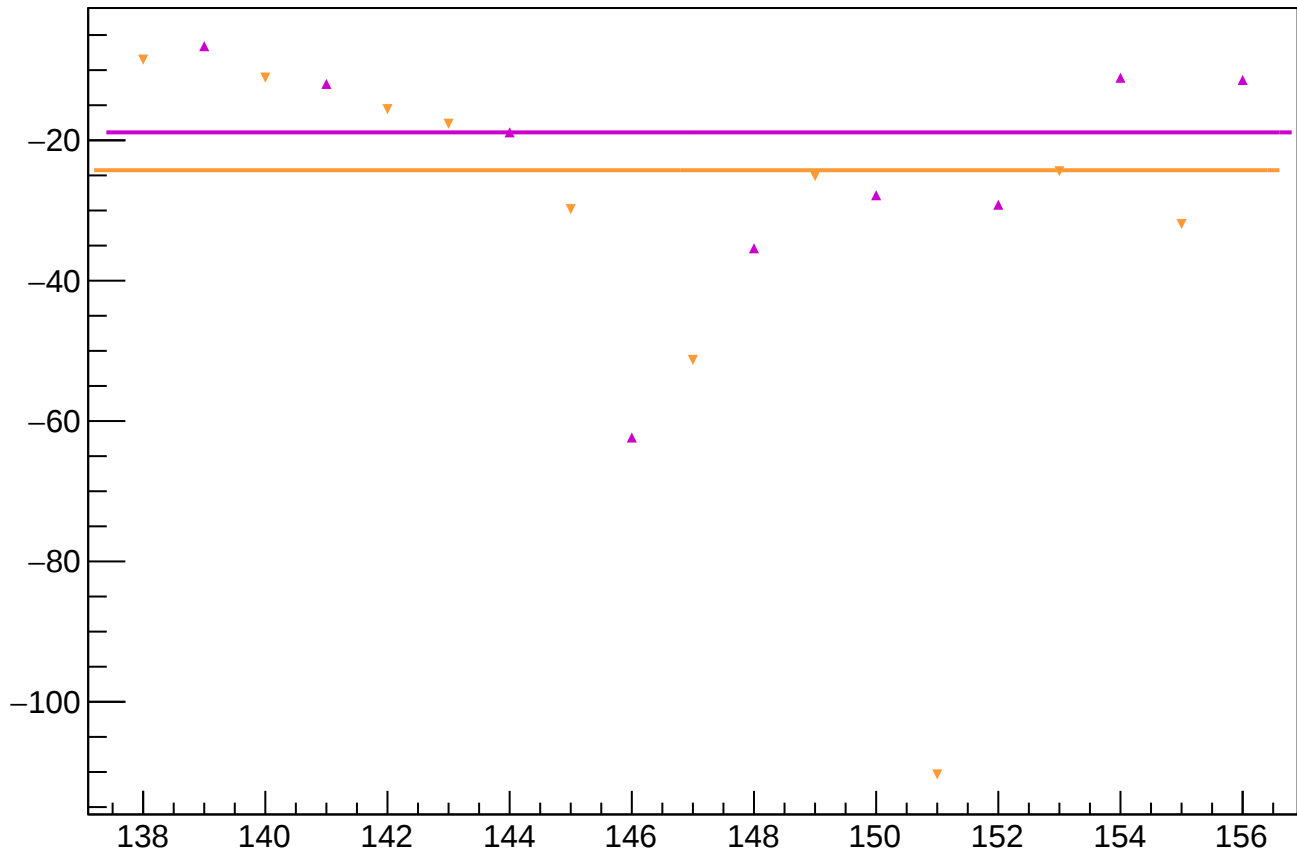
Right Out: 0.214 $\pm$ 0.004 χ^2 /NDF: 1089.2/19

Left In: 0.068 $\pm$ 0.003 χ^2 /NDF:1763.3/8

0.175 $\pm$ 0.003 χ^2 /NDF: 4211.3/26

0.115 $\pm$ 0.002 χ^2 /NDF: 3913.4/28

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

Left Out: -24.262 $\pm$ 0.089 χ^2 /NDF:49612.7/9

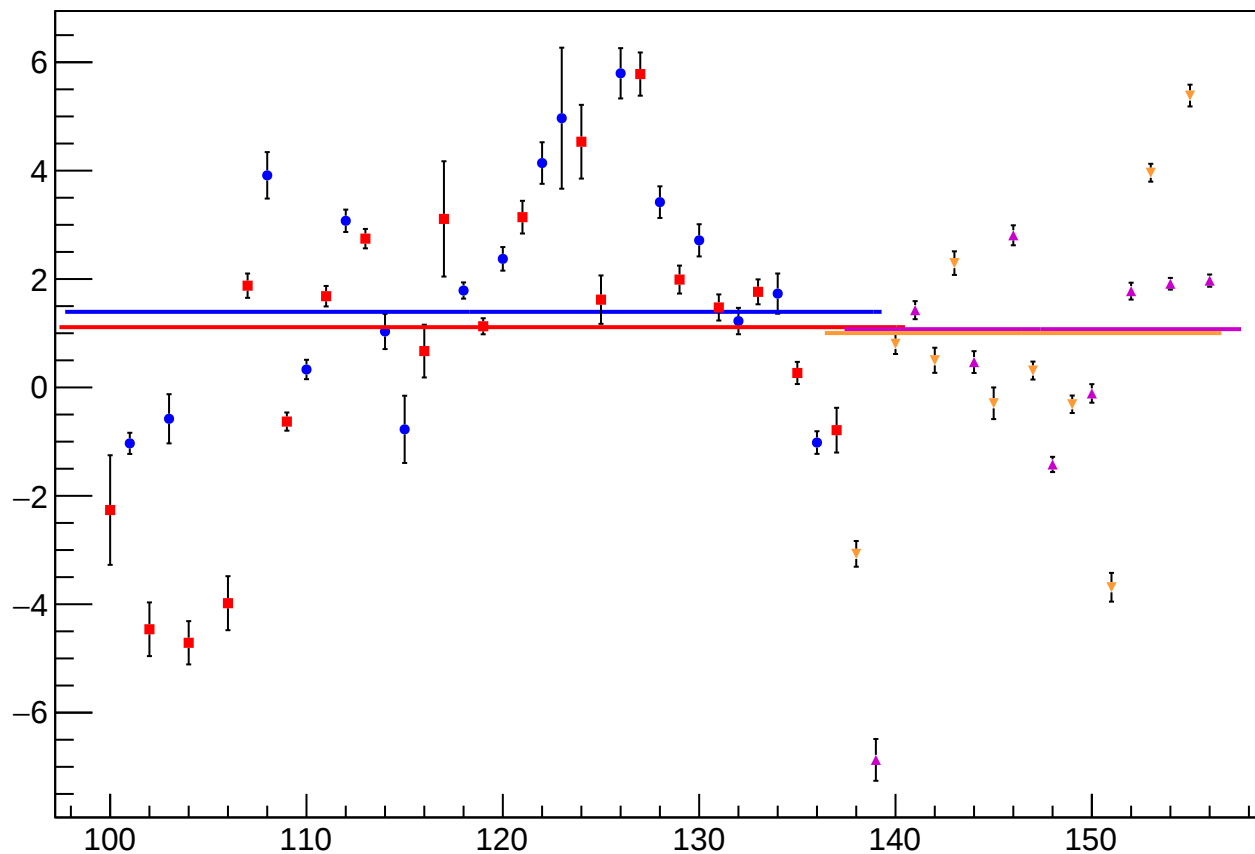
-24.262 $\pm$ 0.089 χ^2 /NDF: 49612.7/9

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

-18.869 $\pm$ 0.073 χ^2 /NDF: 34321.8/8

Left In: -18.869 $\pm$ 0.073 χ^2 /NDF:34321.8/8

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.395 ± 0.063 χ^2/NDF : 701.4/16

Left Out: 1.003 ± 0.063 χ^2/NDF : 1549.2/9

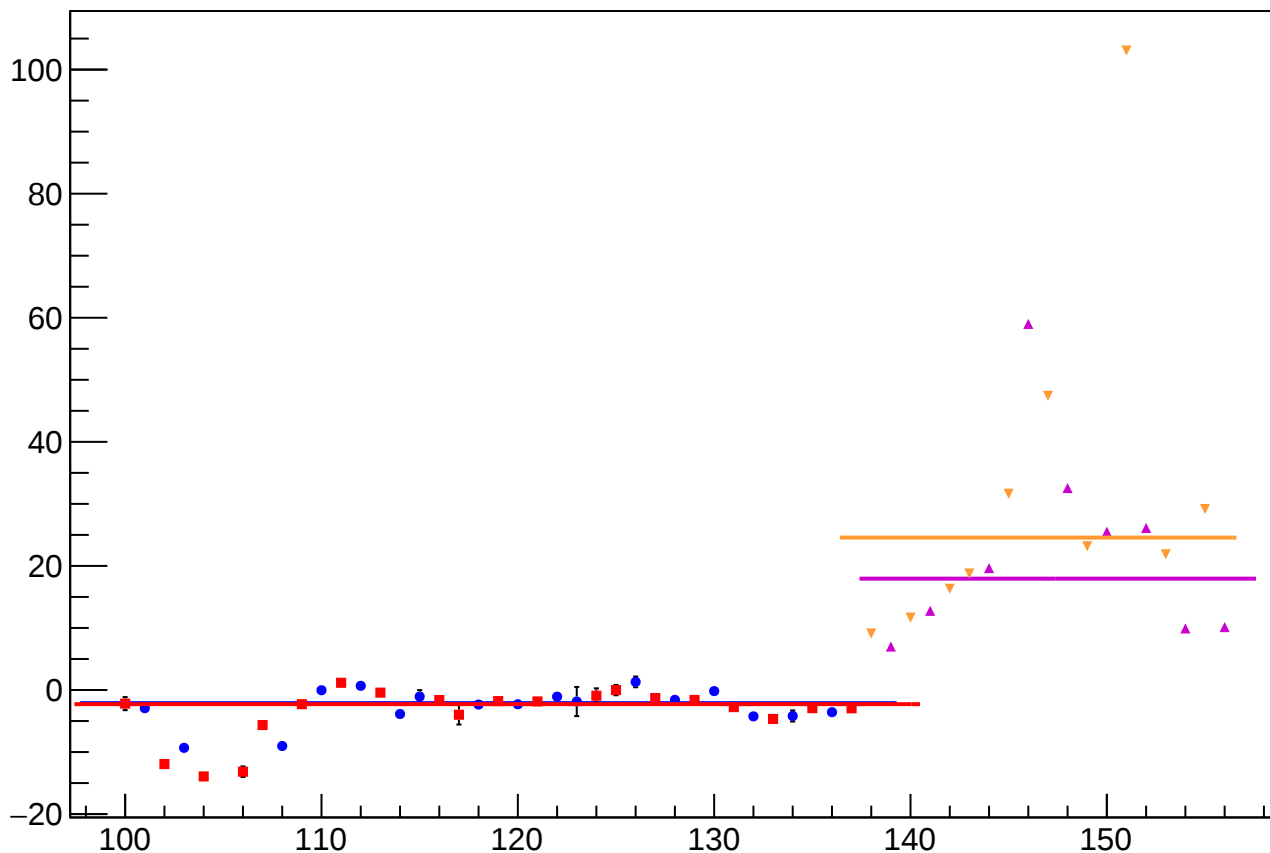
Right Out: 1.112 ± 0.059 χ^2/NDF : 940.5/19

Left In: 1.075 ± 0.051 χ^2/NDF : 1033.2/8

1.200 ± 0.045 χ^2/NDF : 2269.9/26

1.091 ± 0.039 χ^2/NDF : 1973.9/28

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 24.568 ± 0.089 χ^2/NDF : 43817.7/9

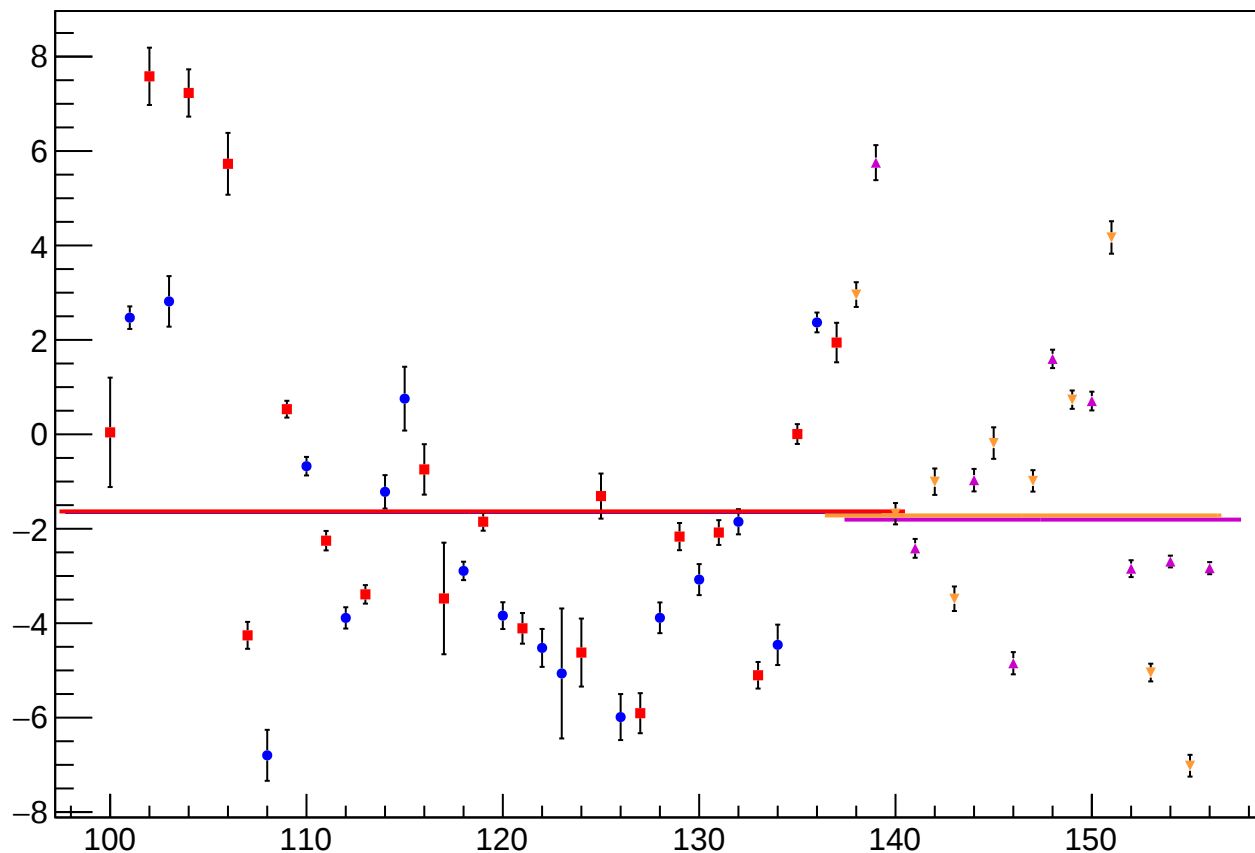
Right Out: -2.284 ± 0.101 χ^2/NDF : 920.6/19

Left In: 17.948 ± 0.071 χ^2/NDF : 32372.6/8

14.424 ± 0.070 χ^2/NDF : 78696.1/26

11.269 ± 0.058 χ^2/NDF : 60263.0/28

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643 ± 0.072 χ^2/NDF : 1310.1/16

Left Out: -1.718 ± 0.076 χ^2/NDF : 1698.0/9

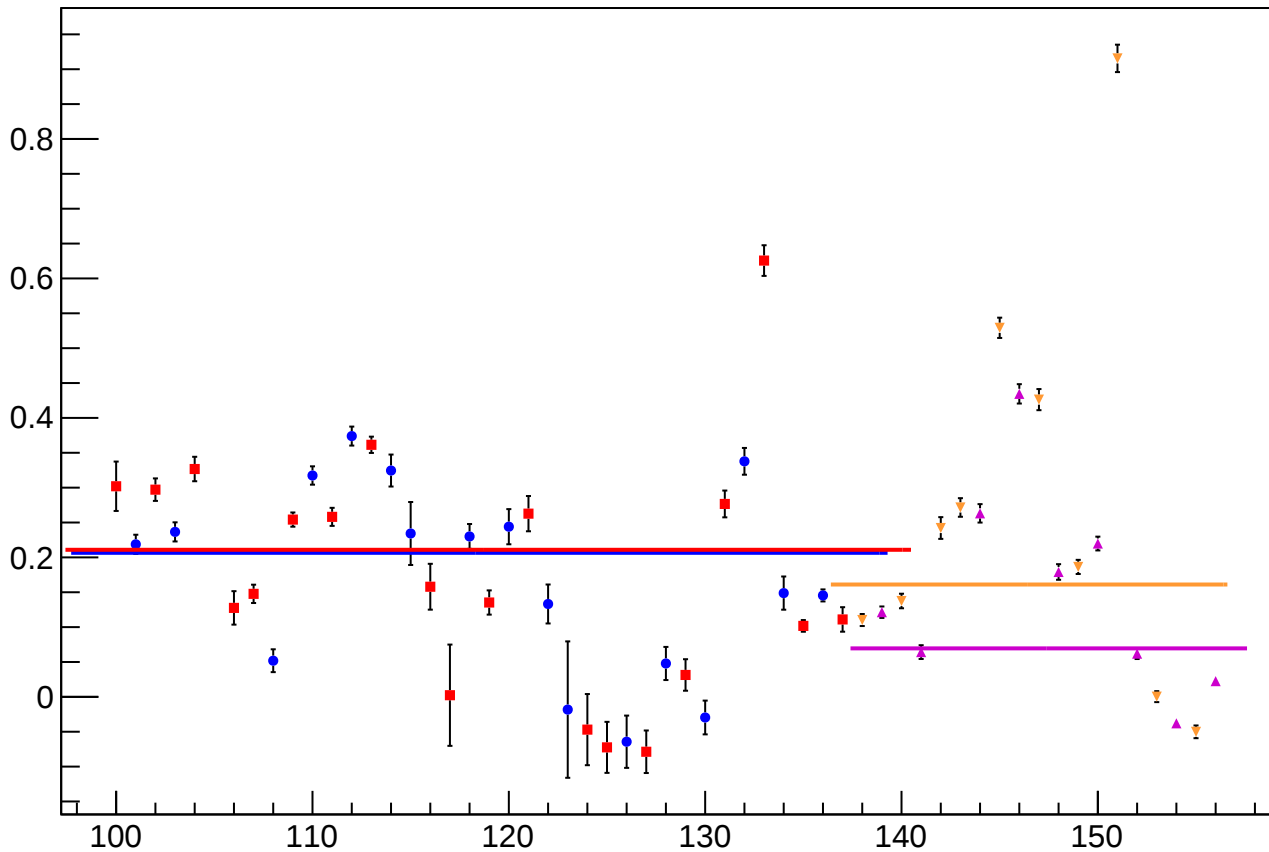
Right Out: -1.633 ± 0.067 χ^2/NDF : 1470.6/19

Left In: -1.806 ± 0.060 χ^2/NDF : 1217.3/8

-1.679 ± 0.052 χ^2/NDF : 3008.6/26

-1.729 ± 0.045 χ^2/NDF : 2691.5/28

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: 0.161 $\pm$ 0.003 χ^2 /NDF: 3515.3/9

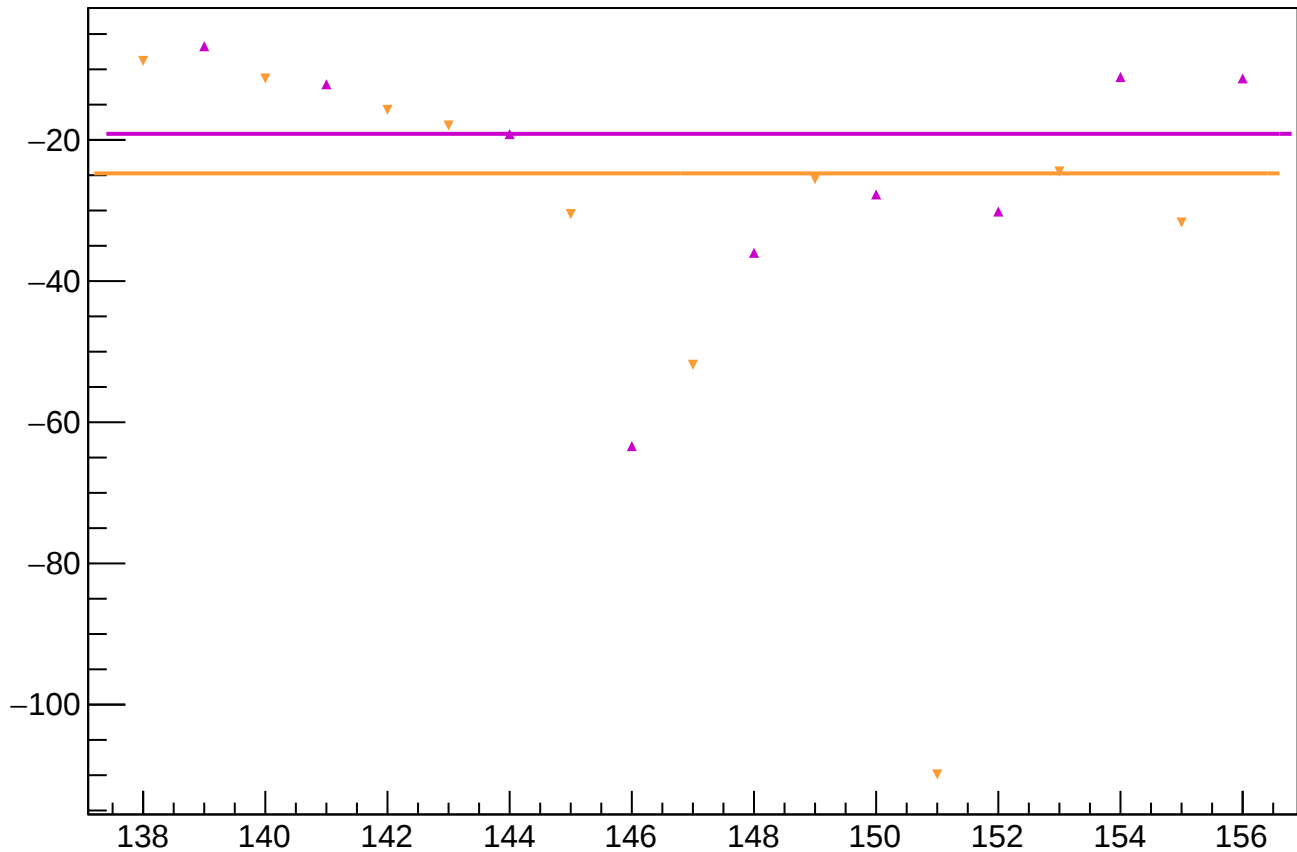
Right Out: 0.211 $\pm$ 0.004 χ^2 /NDF: 1153.8/19

Left In: 0.070 $\pm$ 0.003 χ^2 /NDF: 1804.3/8

0.180 $\pm$ 0.003 χ^2 /NDF: 4239.2/26

0.115 $\pm$ 0.002 χ^2 /NDF: 3919.0/28

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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

Left Out: -24.740+/-0.090 χ^2/NDF :48766.4/9

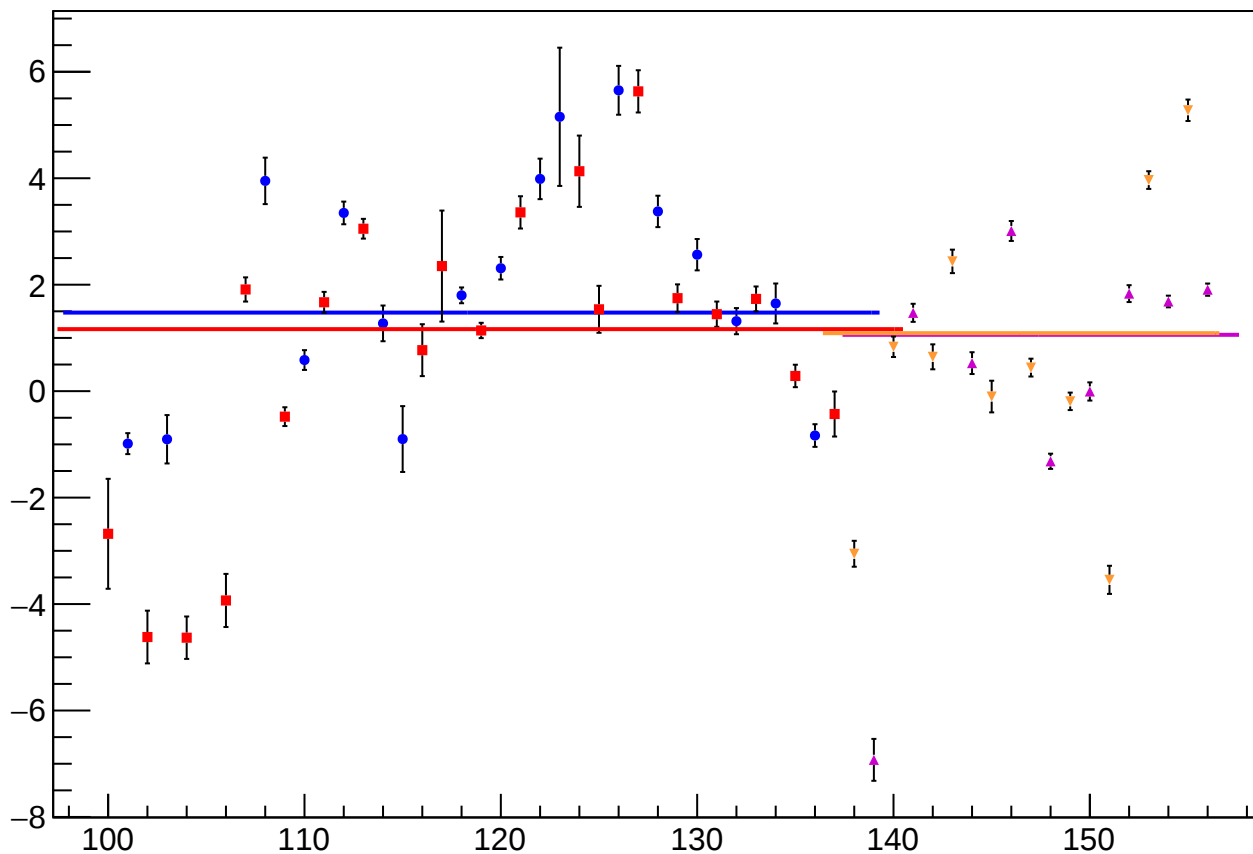
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -19.136+/-0.075 χ^2/NDF :34642.7/8

-24.740+/-0.090 χ^2/NDF : 48766.4/9

-19.136+/-0.075 χ^2/NDF : 34642.7/8

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476 $\pm$ 0.064 χ^2/NDF : 659.7/16

Left Out: 1.089 $\pm$ 0.064 χ^2/NDF :1464.4/9

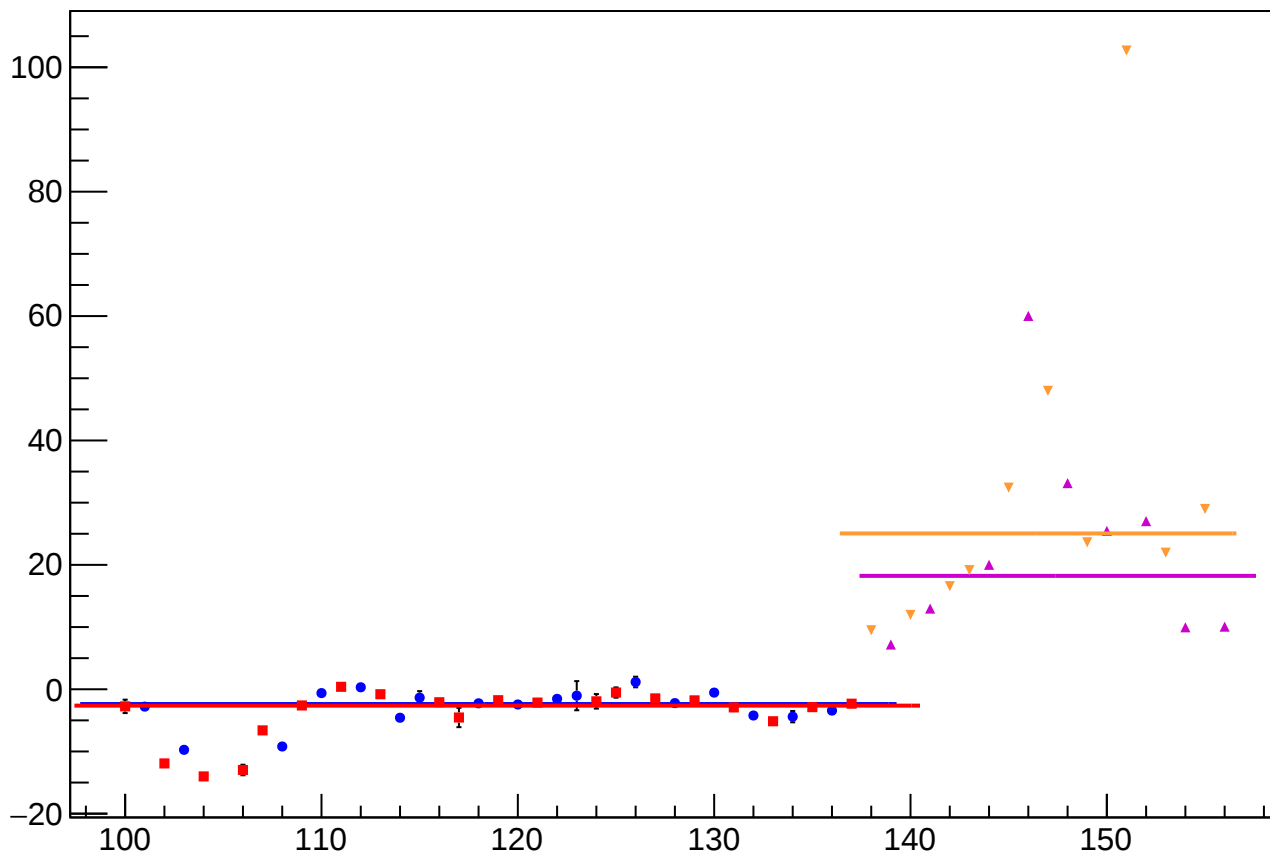
Right Out: 1.165 $\pm$ 0.060 χ^2/NDF : 919.2/19

Left In: 1.058 $\pm$ 0.052 χ^2/NDF :958.2/8

1.285 $\pm$ 0.045 χ^2/NDF : 2142.3/26

1.104 $\pm$ 0.039 χ^2/NDF : 1879.3/28

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 $\chi^2/\text{NDF}: 438.8/16$

Left Out: 25.053 ± 0.090 $\chi^2/\text{NDF}: 43080.5/9$

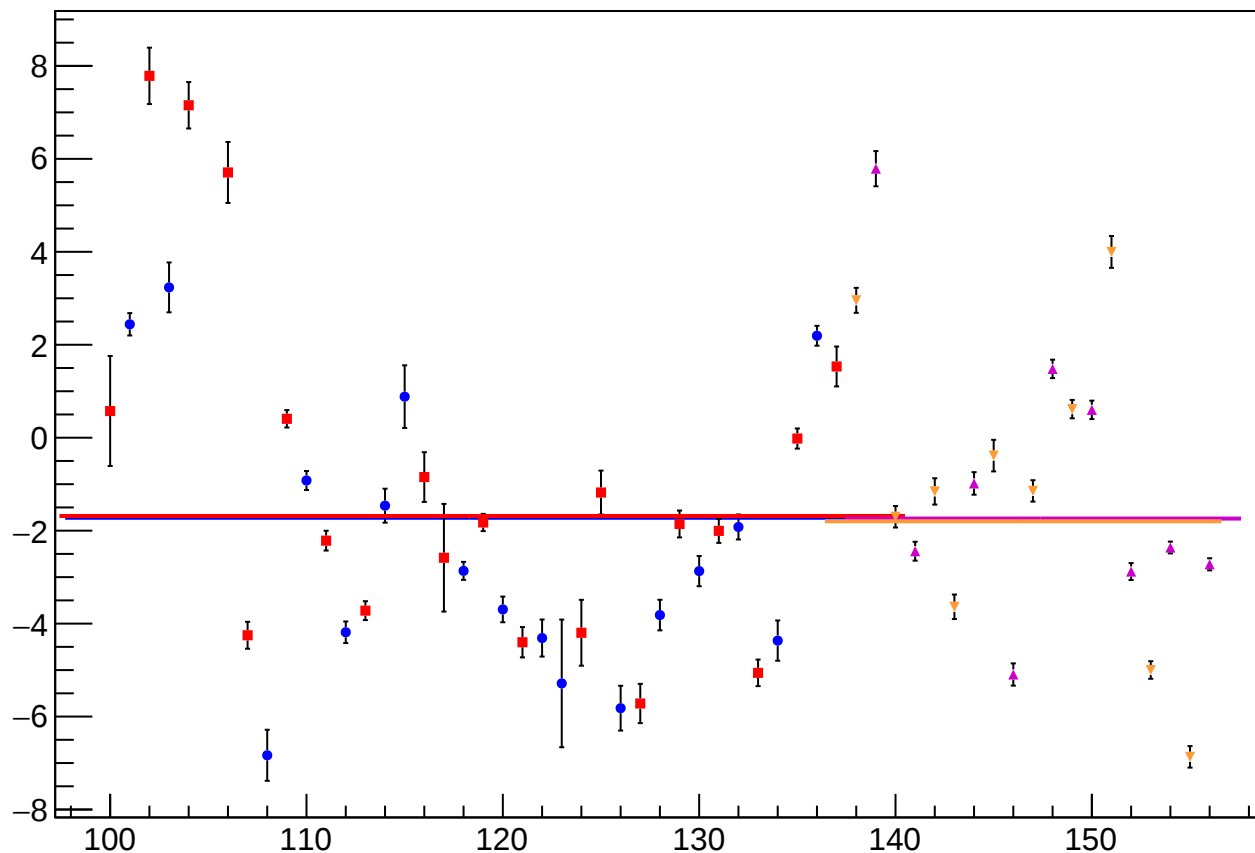
Right Out: -2.631 ± 0.103 $\chi^2/\text{NDF}: 842.8/19$

Left In: 18.232 ± 0.072 $\chi^2/\text{NDF}: 32695.5/8$

14.630 ± 0.071 $\chi^2/\text{NDF}: 78786.4/26$

11.388 ± 0.059 $\chi^2/\text{NDF}: 61092.8/28$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722+/-0.073 χ^2/NDF : 1247.6/16

Left Out: -1.798+/-0.077 χ^2/NDF :1595.0/9

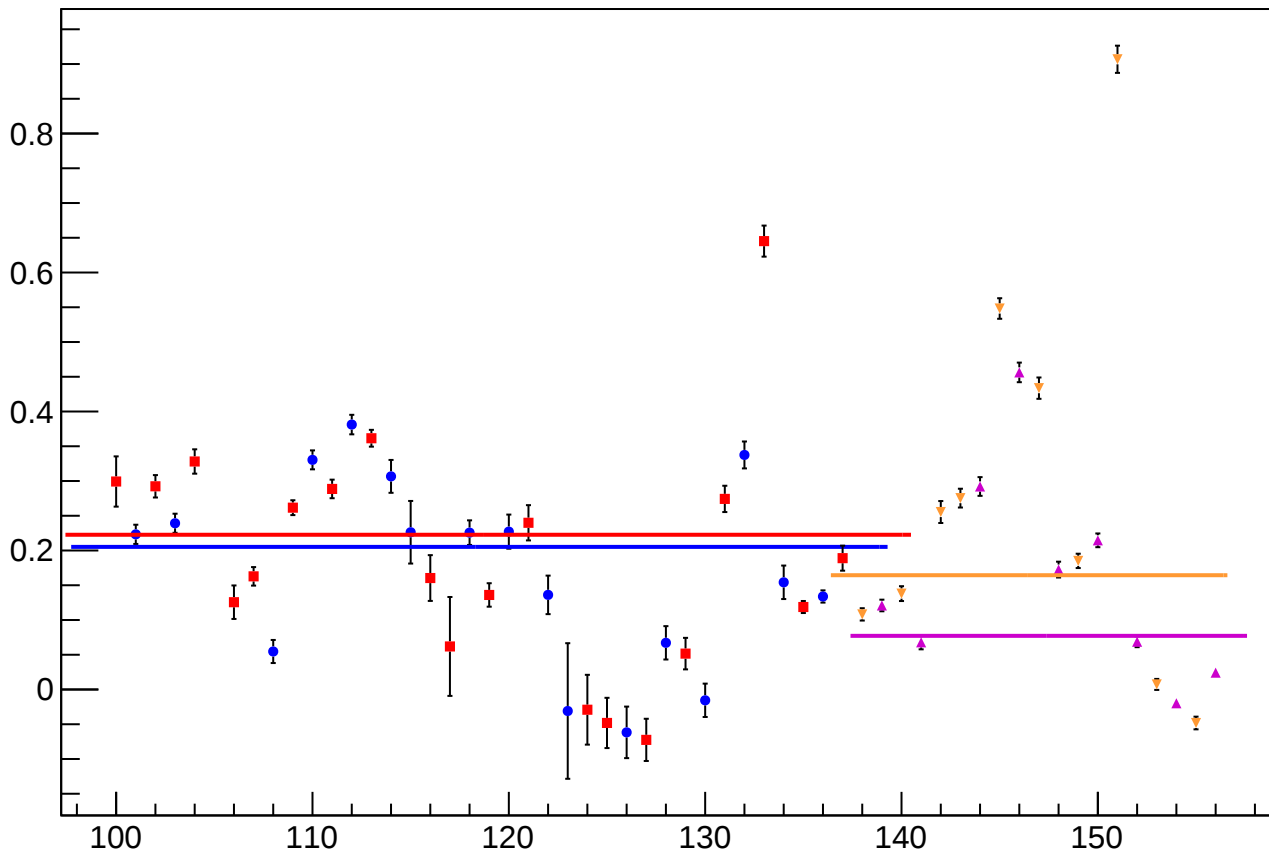
Right Out: -1.684+/-0.068 χ^2/NDF : 1431.6/19

Left In: -1.739+/-0.061 χ^2/NDF :1136.2/8

-1.758+/-0.053 χ^2/NDF : 2843.1/26

-1.715+/-0.045 χ^2/NDF : 2568.2/28

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.004 $\chi^2/\text{NDF}: 650.7/16$

Left Out: 0.164 ± 0.004 $\chi^2/\text{NDF}: 3504.7/9$

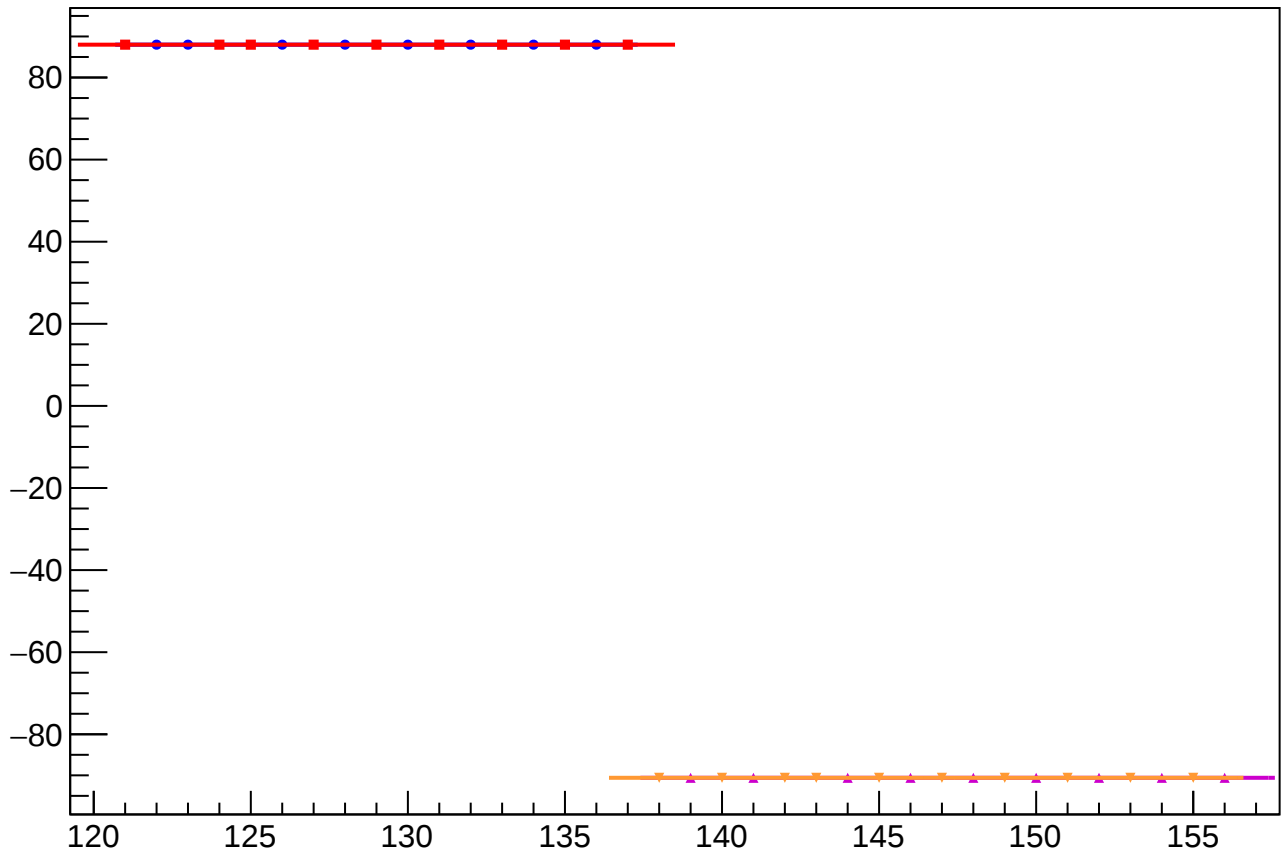
Right Out: 0.223 ± 0.004 $\chi^2/\text{NDF}: 1045.6/19$

Left In: 0.077 ± 0.003 $\chi^2/\text{NDF}: 1724.6/8$

0.181 ± 0.003 $\chi^2/\text{NDF}: 4209.3/26$

0.124 ± 0.002 $\chi^2/\text{NDF}: 3748.7/28$

VWienAngle_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599 $\pm$ 0.000 χ^2/NDF : 3264495.8/9

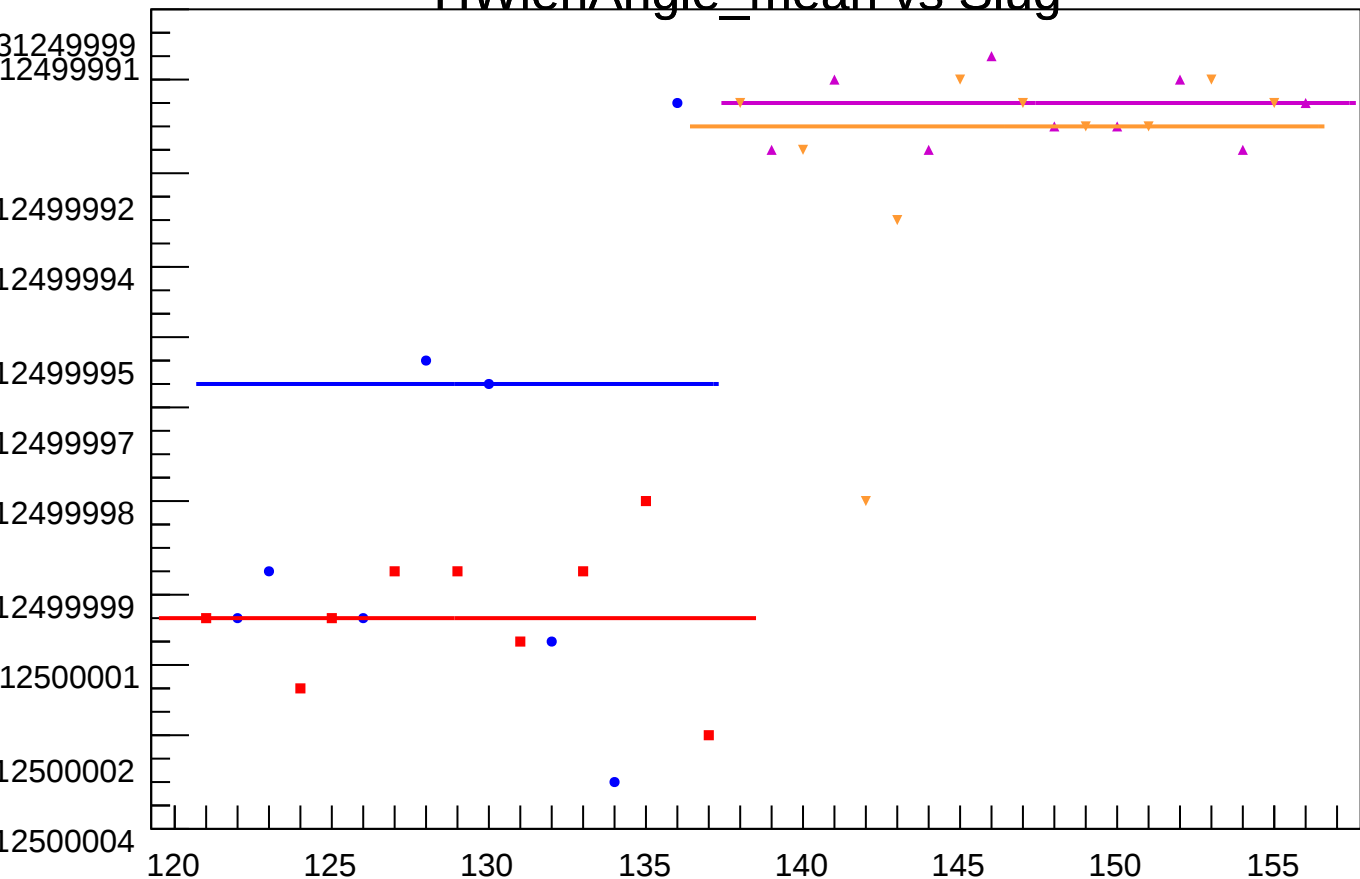
Right Out: 88.001 $\pm$ 0.000 χ^2/NDF : 109456.0/8

Left In: -90.599 $\pm$ 0.000 χ^2/NDF : 563032.1/8

-35.071 $\pm$ 0.000 χ^2/NDF : 75173632350545391

-37.895 $\pm$ 0.000 χ^2/NDF : 71727033495652042

HWienAngle_mean vs Slug



Right In: -29.641 ± 0.000 $\chi^2/\text{NDF}: 405045.4/7$

Left Out: -29.641 ± 0.000 $\chi^2/\text{NDF}: 174559.1/9$

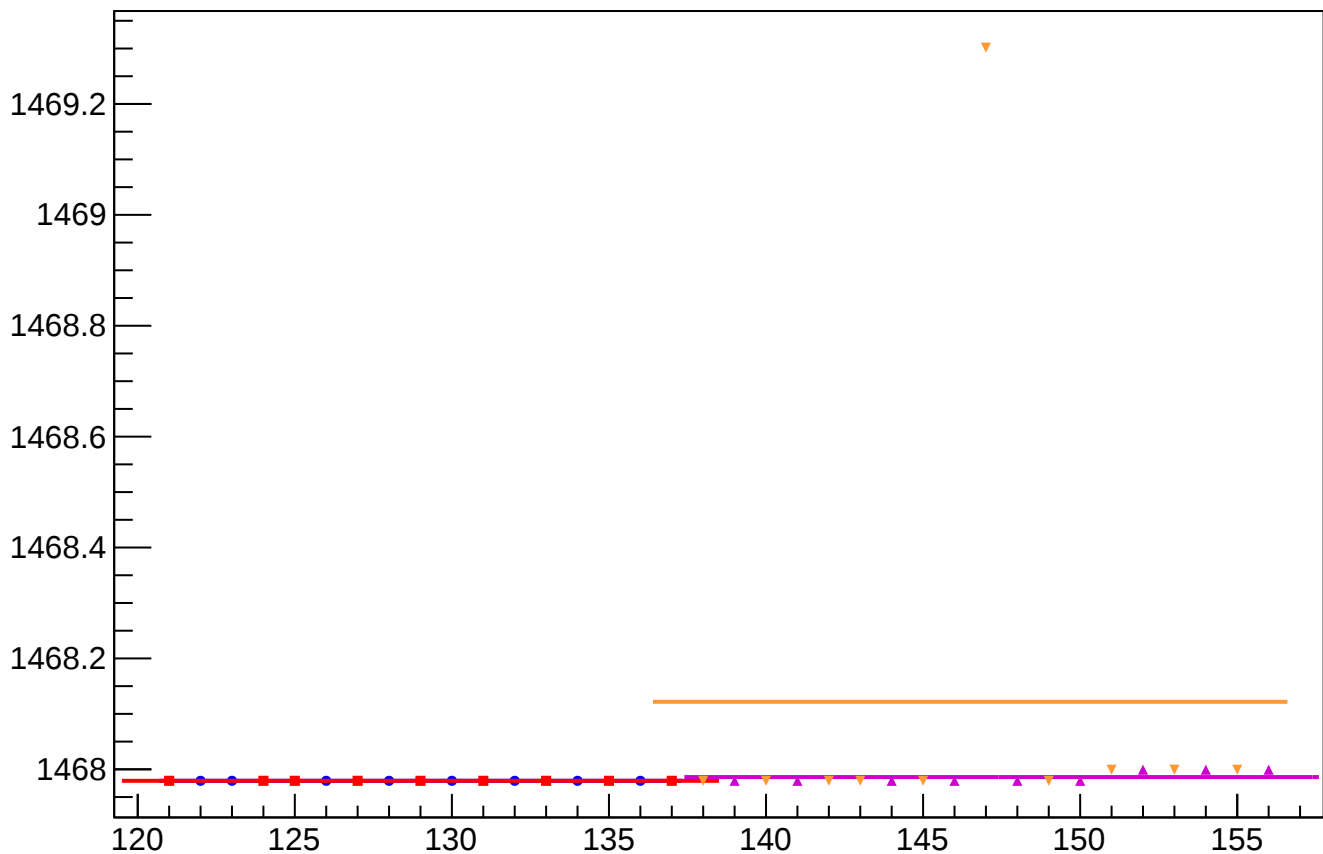
Right Out: -29.641 ± 0.000 $\chi^2/\text{NDF}: 29358.2/8$

Left In: -29.641 ± 0.000 $\chi^2/\text{NDF}: 21292.9/8$

-29.641 ± 0.000 $\chi^2/\text{NDF}: 987136.4/17$

-29.641 ± 0.000 $\chi^2/\text{NDF}: 1331054.5/17$

psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.122+/-0.000 χ^2/NDF : 121080860142079532627365115985920.0/9

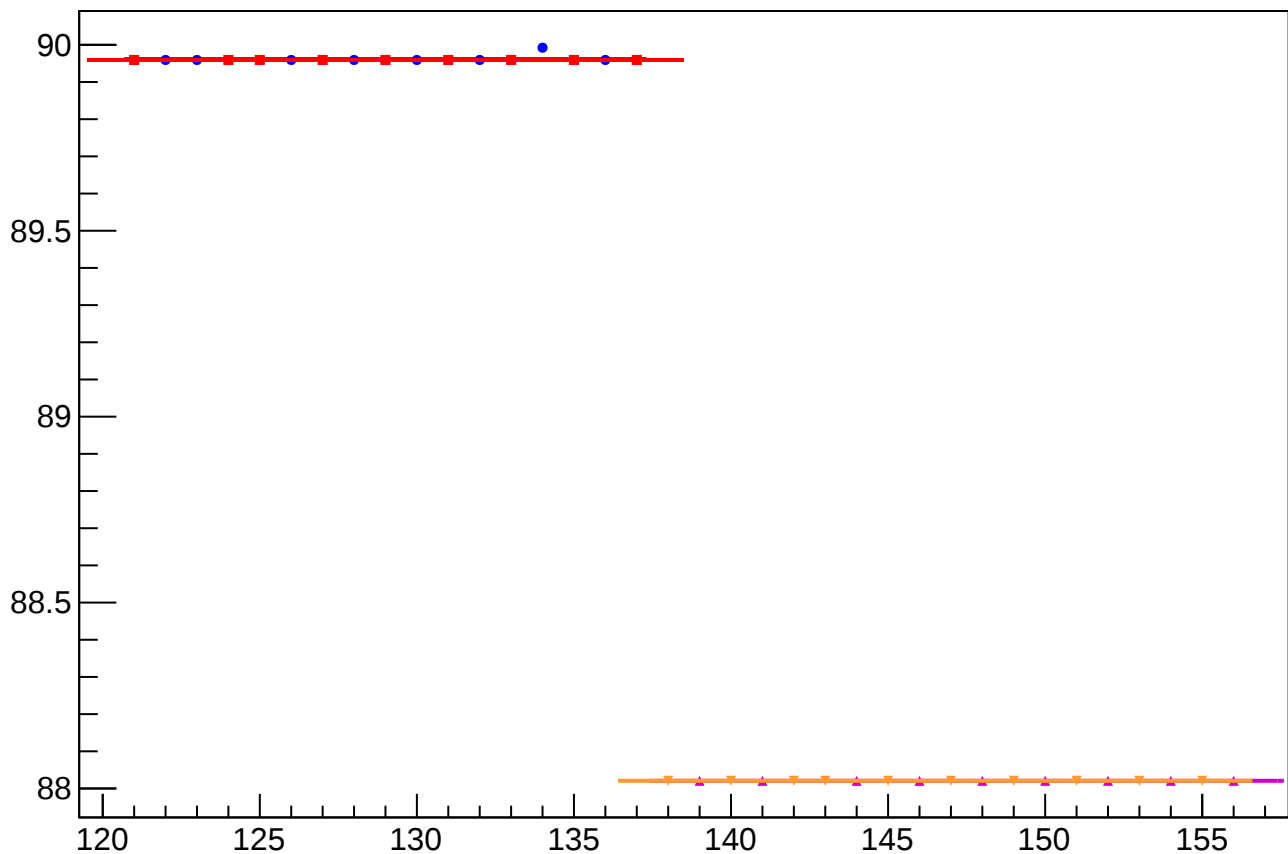
Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8

Left In: 1467.986+/-0.000 χ^2/NDF : 67997900242507892064822231040.0/8

1468.077+/-0.000 χ^2/NDF : 1258626919929705

1467.984+/-0.000 χ^2/NDF : 7814986121033654

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 : 2950668.0/9

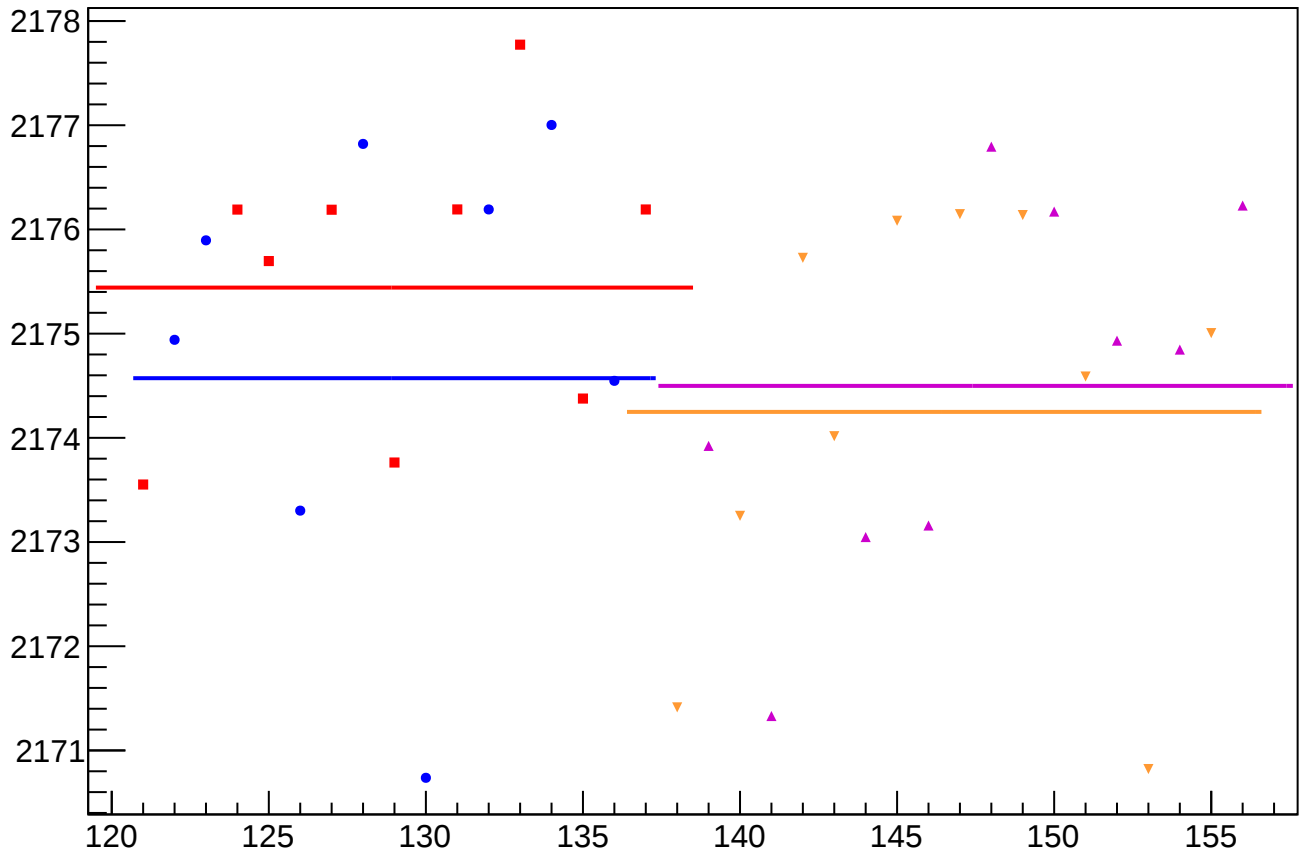
Right Out: 89.959 ± 0.000 χ^2/NDF : 331397.3/8

Left In: 88.021 ± 0.000 χ^2/NDF : 908565.8/8

88.624 ± 0.000 χ^2/NDF : 887555551329214554

88.593 ± 0.000 χ^2/NDF : 845071736502172447

HALLA_p_mean vs Slug



Right In: 2174.572 $\pm$ 0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7

Left Out: 2174.249 $\pm$ 0.000 χ^2/NDF : 2719444086184348617152699385774080.0/9

Right Out: 2175.442 $\pm$ 0.000 χ^2/NDF : 610778445075790556034346524868608.0/8

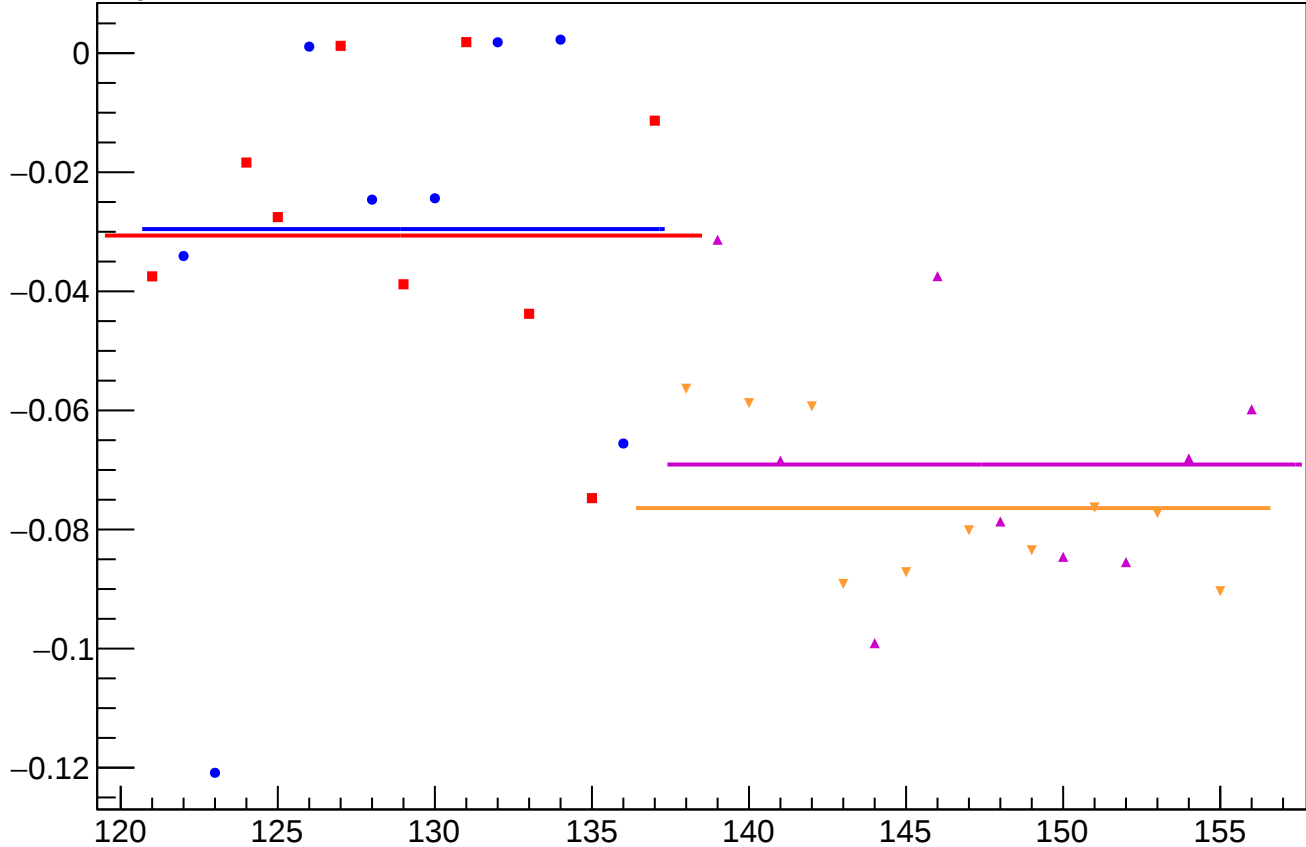
Left In: 2174.499 $\pm$ 0.000 χ^2/NDF : 2178260306619292091506619855142912.0/8

2174.350 $\pm$ 0.000 χ^2/NDF : 4104372284133477

2174.777 $\pm$ 0.000 χ^2/NDF : 2989123882539005

HALLA_dpp_mean vs Slug

$\times 10^{-3}$



Right In: -0.000+/-0.000

χ^2/NDF : 250161267307815387529216.0/7

Left Out: -0.000+/-0.000

χ^2/NDF : 111443996022772206665728.0/9

Right Out: -0.000+/-0.000

χ^2/NDF : 196732771178766734983168.0/8

Left In: -0.000+/-0.000

χ^2/NDF : 328587374124025883131904.0/8

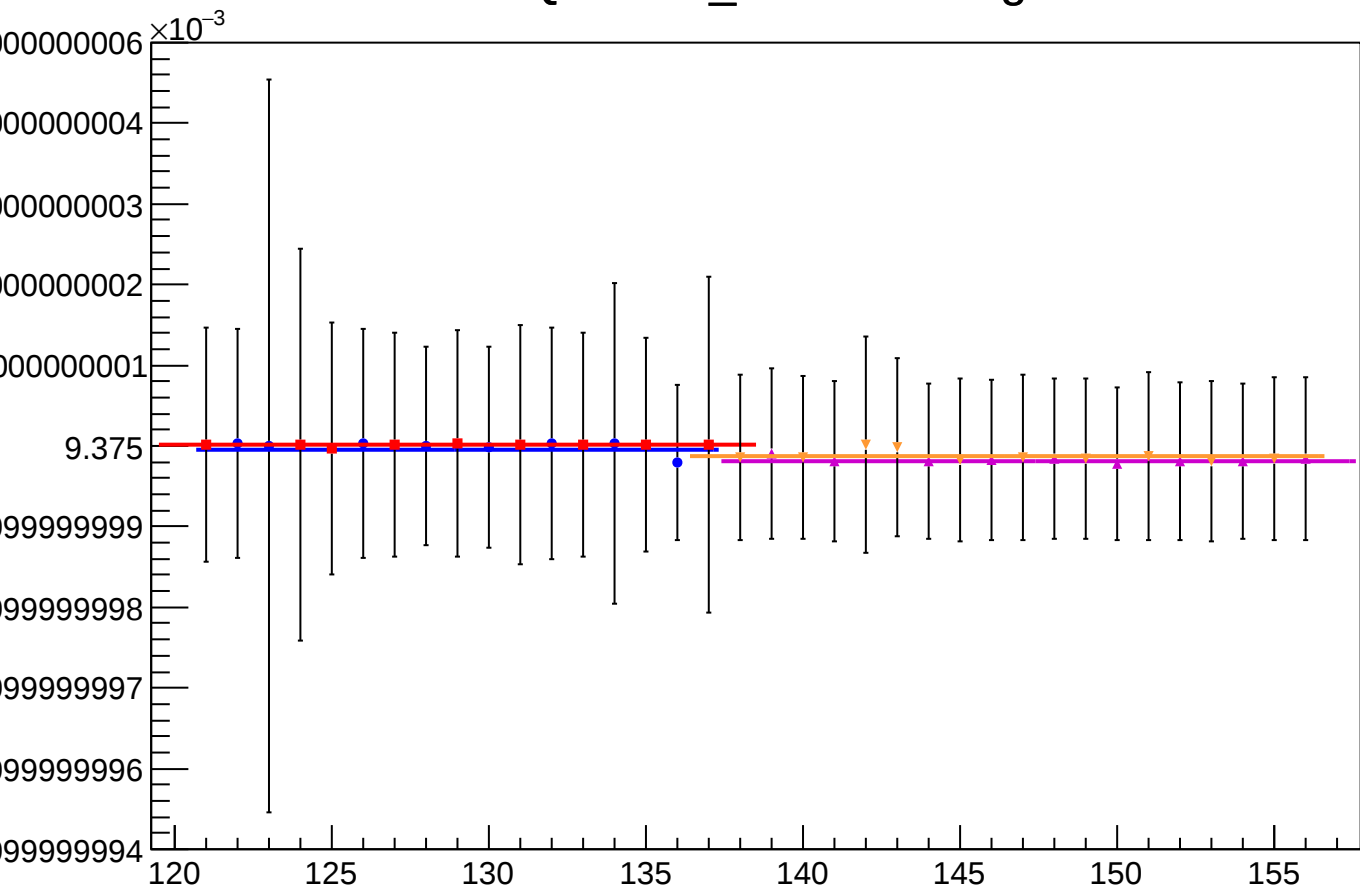
-0.000+/-0.000

χ^2/NDF : 879046036058235071

-0.000+/-0.000

χ^2/NDF : 857819311580981841

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: 0.0/9

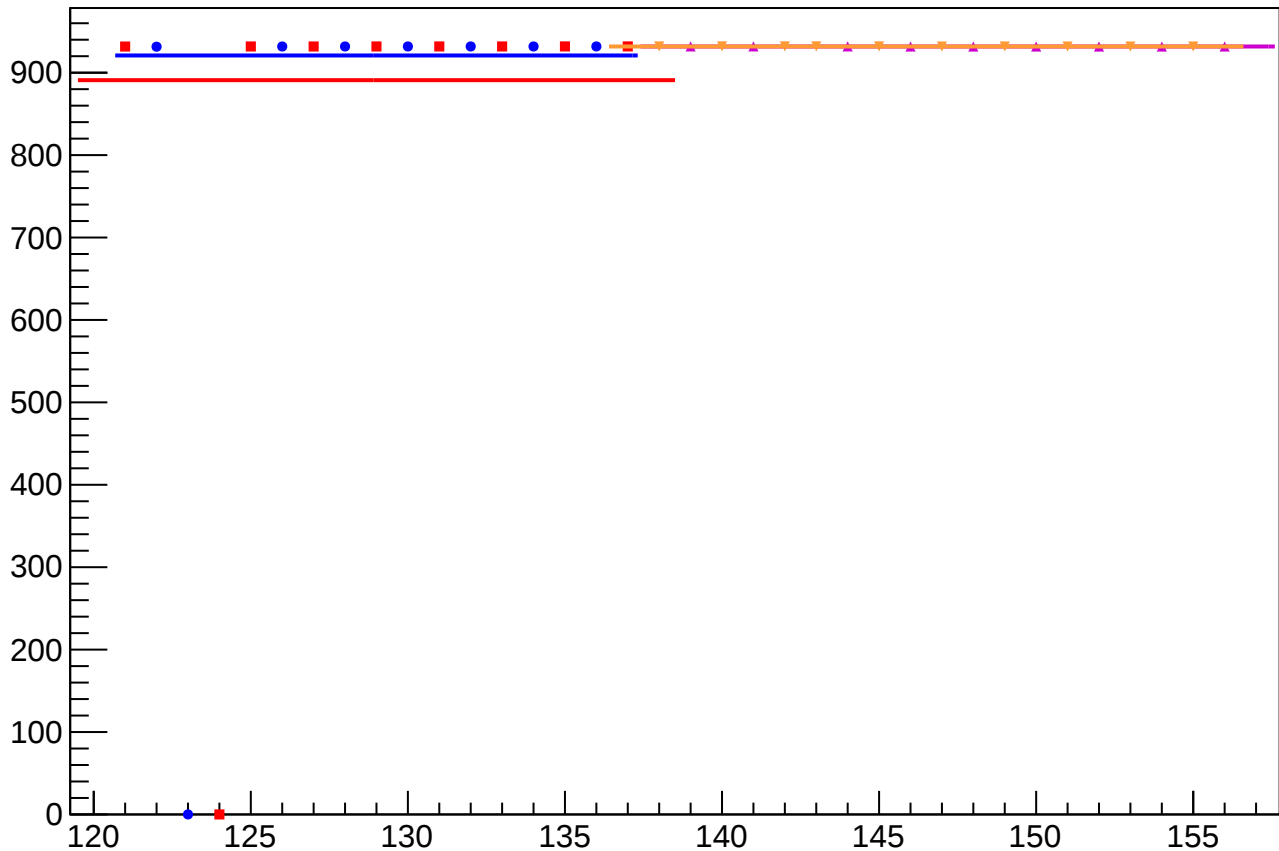
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

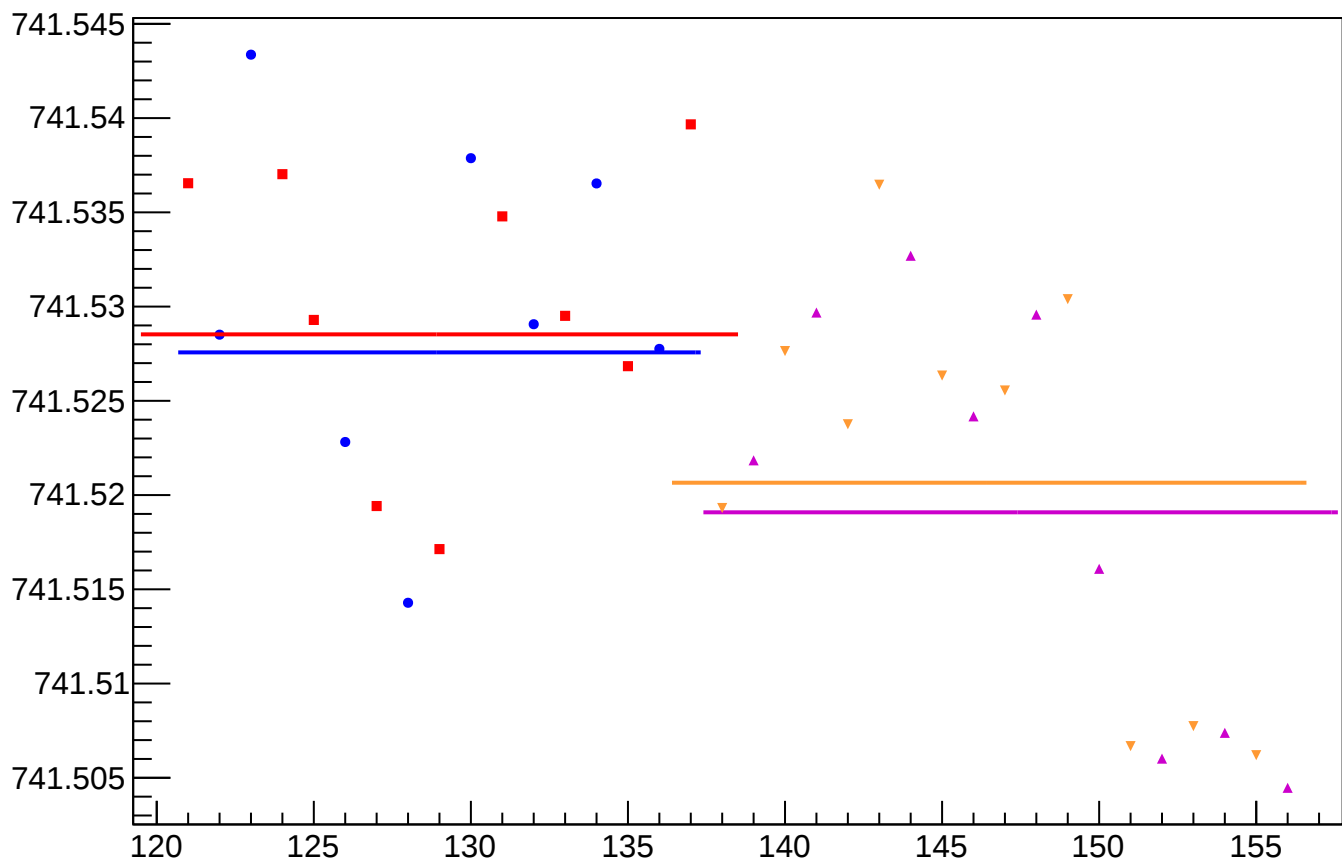
0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898 $\pm$ 0.000 χ^2 /NDF: 3432128841951899861299566212080992256.0/7
Left Out: 931.797 $\pm$ 0.000 χ^2 /NDF: 3247433732058416186126002814976.0/9
Right Out: 890.923 $\pm$ 0.000 χ^2 /NDF: 11621671430114409722932854398744788992.0/8
Left In: 931.781 $\pm$ 0.000 χ^2 /NDF: 2980252145516025845018951417856.0/8

HacL_D1_HP3458A_IOUT_mean vs Slug



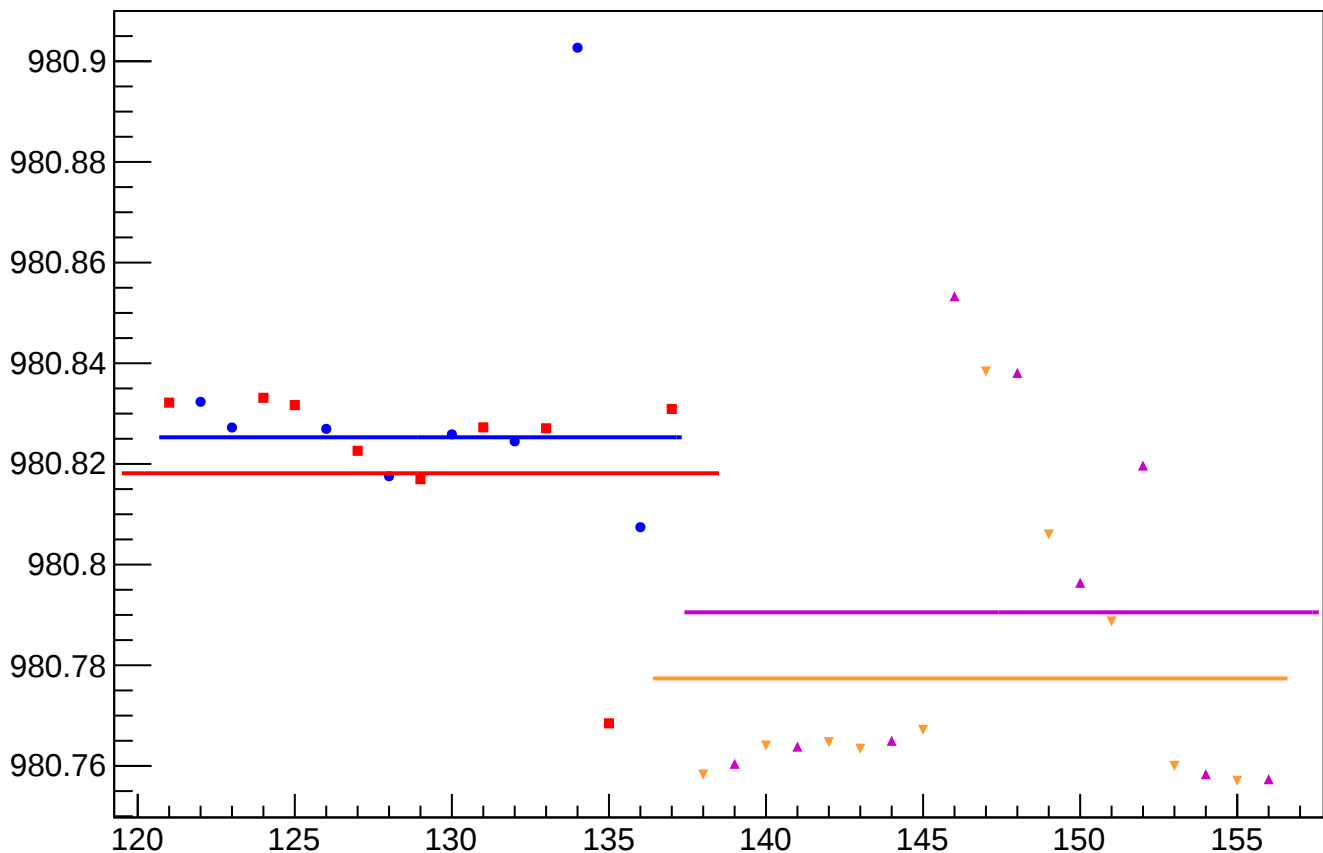
Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

Right Out: 741.523+/-0.000 χ^2/NDF : 10987962863249727

Left In: 741.519+/-0.000 χ^2/NDF : 82937921910358277240244928512.0/8

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.777+/-0.000 χ^2/NDF : 499469382731207193820754083840.0/9

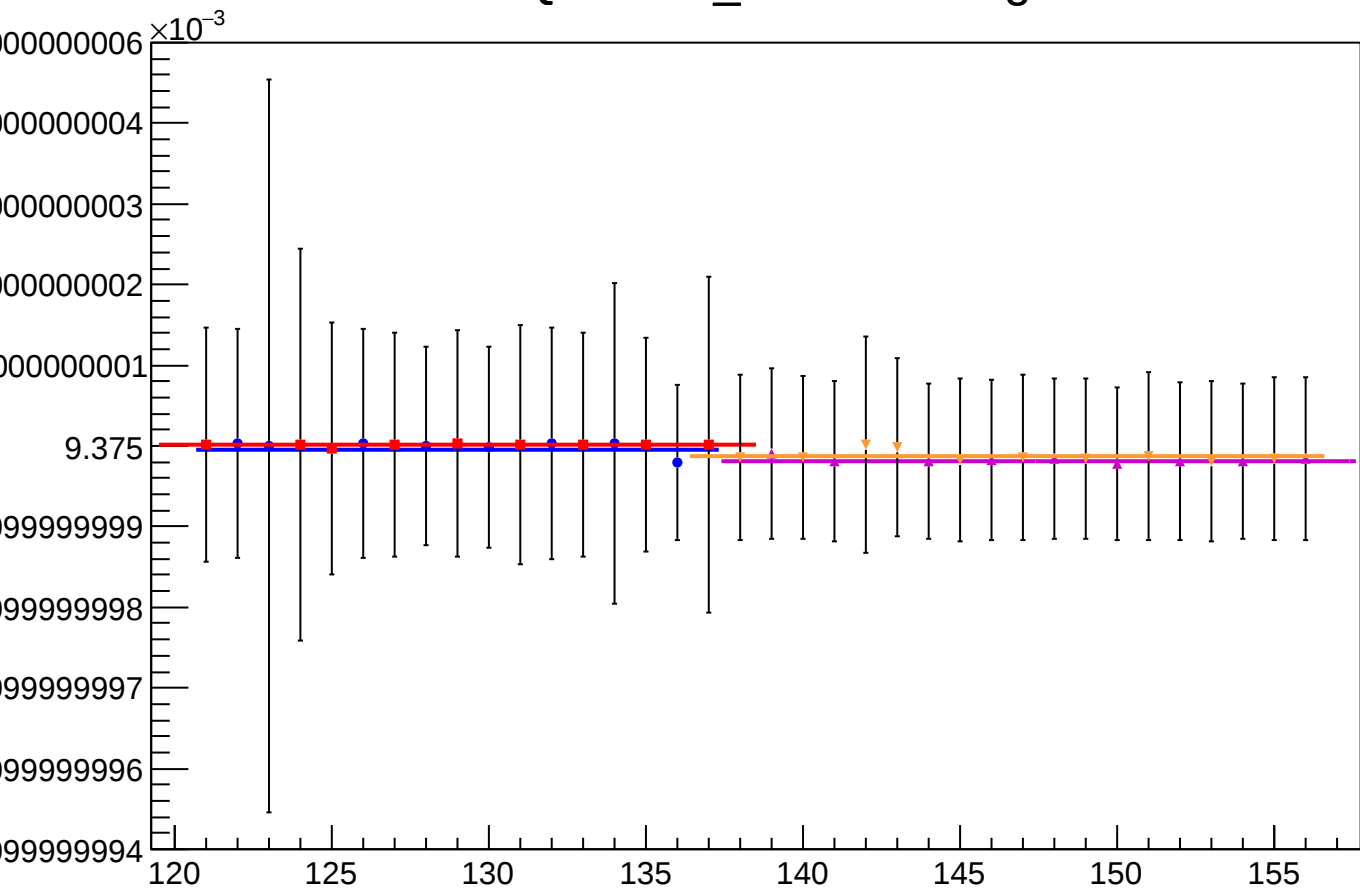
Right Out: 980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

Left In: 980.791+/-0.000 χ^2/NDF : 959905724552845199871934726144.0/8

980.792+/-0.000 χ^2/NDF : 11997637221990354

980.799+/-0.000 χ^2/NDF : 12752062634755733

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:0.0/9

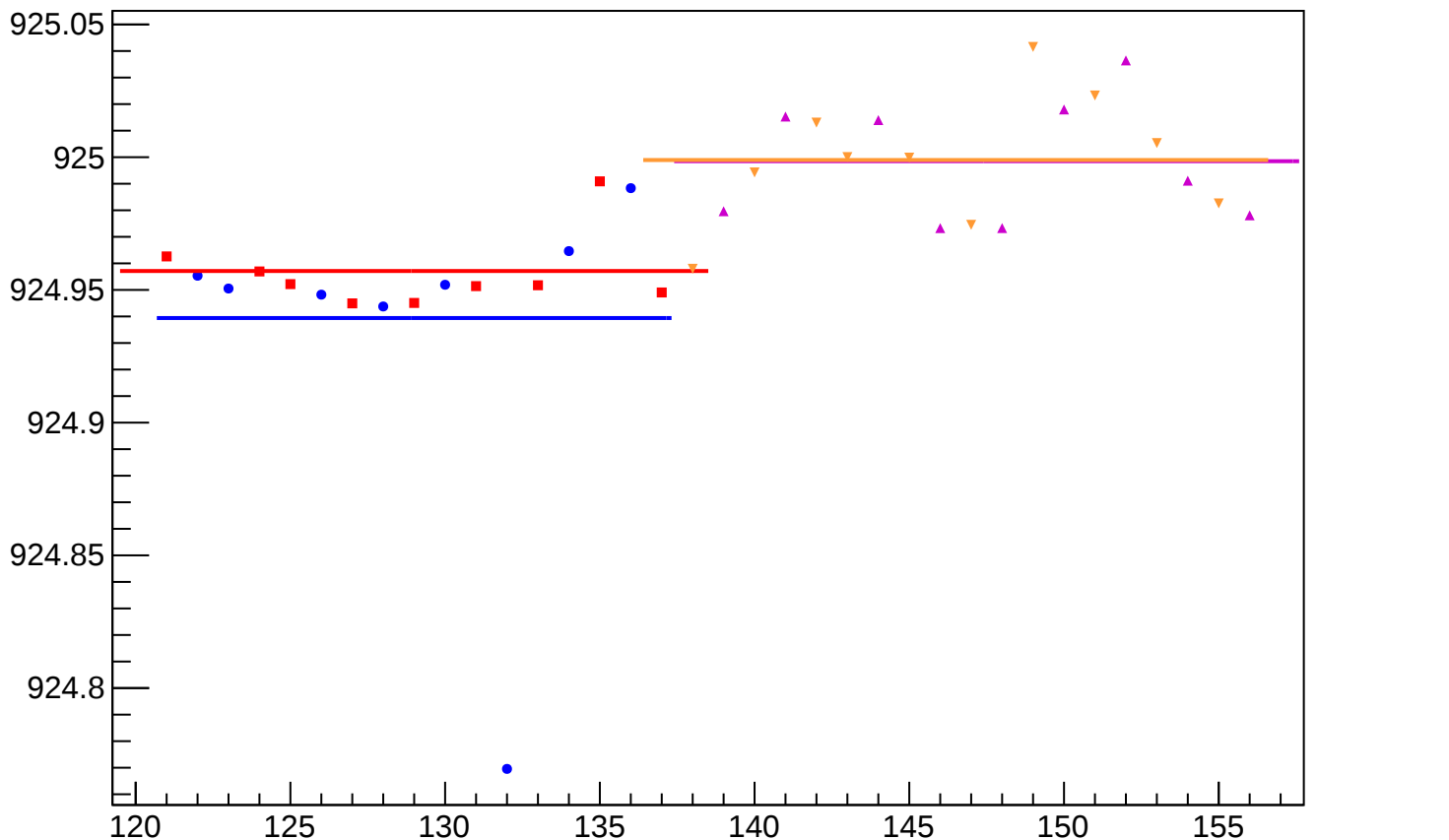
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/8

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939 $\pm$ 0.000 χ^2 /NDF: 1401458495809517406218388242432.0/7

Left Out: 924.999 $\pm$ 0.000 χ^2 /NDF: 411313477663764445042808193024.0/9

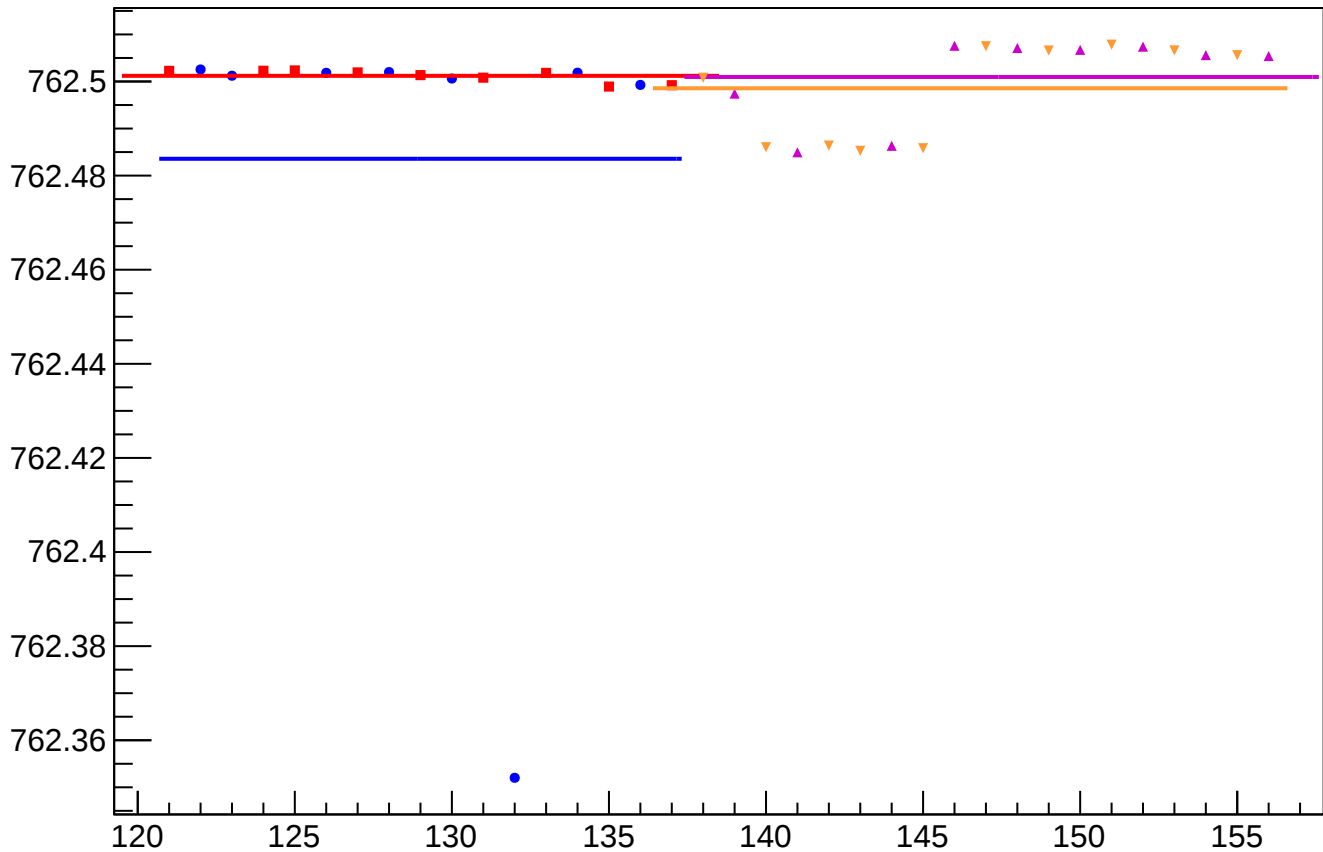
Right Out: 924.957 $\pm$ 0.000 χ^2 /NDF: 71808709366506786060310151168.0/8

Left In: 924.998 $\pm$ 0.000 χ^2 /NDF: 375753537753950810729898573824.0/8

924.980 $\pm$ 0.000 χ^2 /NDF: 2647780023660384

924.986 $\pm$ 0.000 χ^2 /NDF: 8323024833789555

HacR_D1_HP3458A_IOUT_mean vs Slug



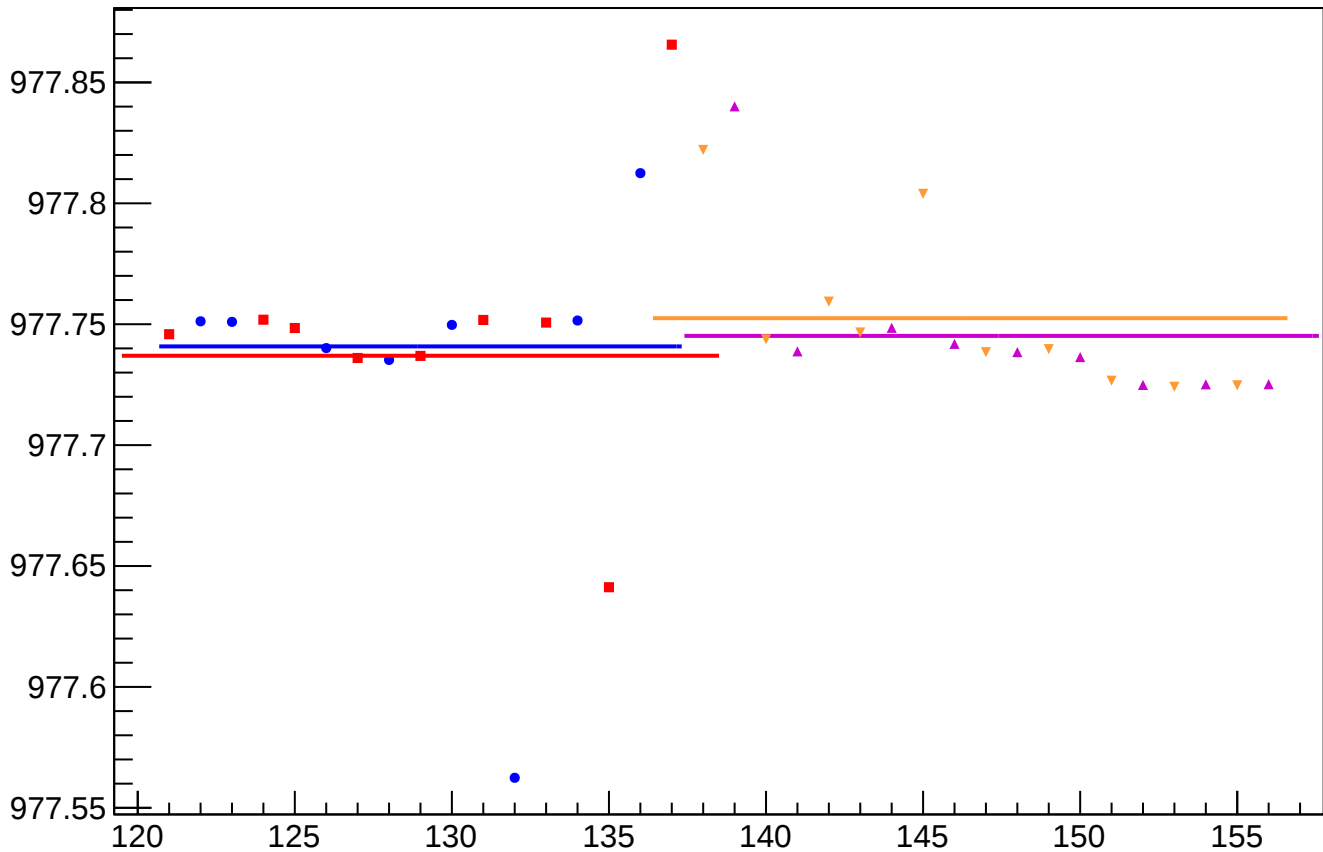
Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.499+/-0.000 χ^2/NDF : 72784377458364960153146490880.0/9

Right Out: 762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8

Left In: 762.501+/-0.000 χ^2/NDF : 58732924440148468995729653760.0/8

HacR_Q3_HP3458A_IOUT_mean vs Slug



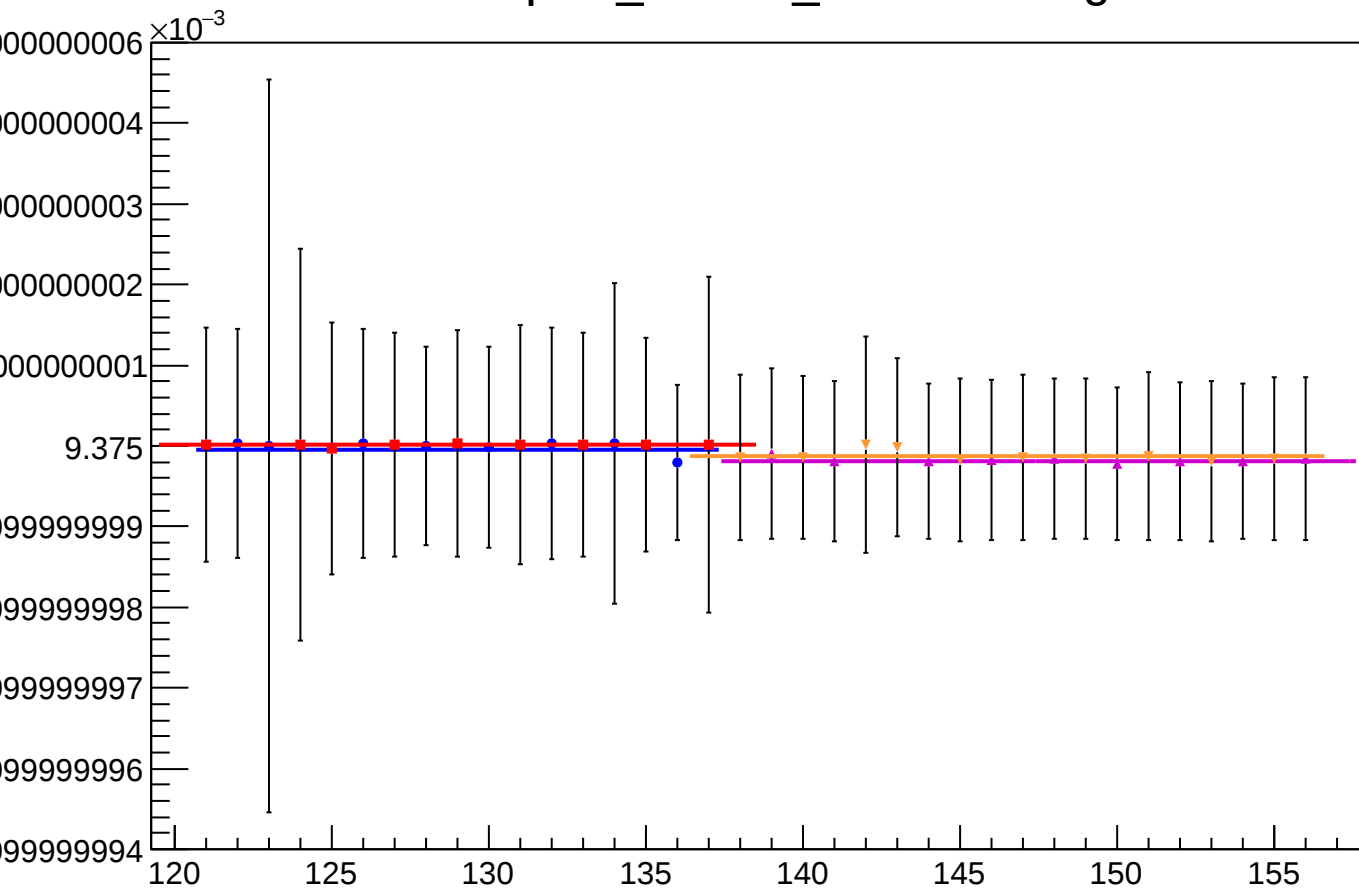
Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.752+/-0.000 χ^2/NDF : 813469566766241485954362638336.0/9

Right Out: 977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8

Left In: 977.745+/-0.000 χ^2/NDF : 786358071479801681044482031616.0/8

hesDipole_current_mean vs Slug



Right In: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/7$

Left Out: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/9$

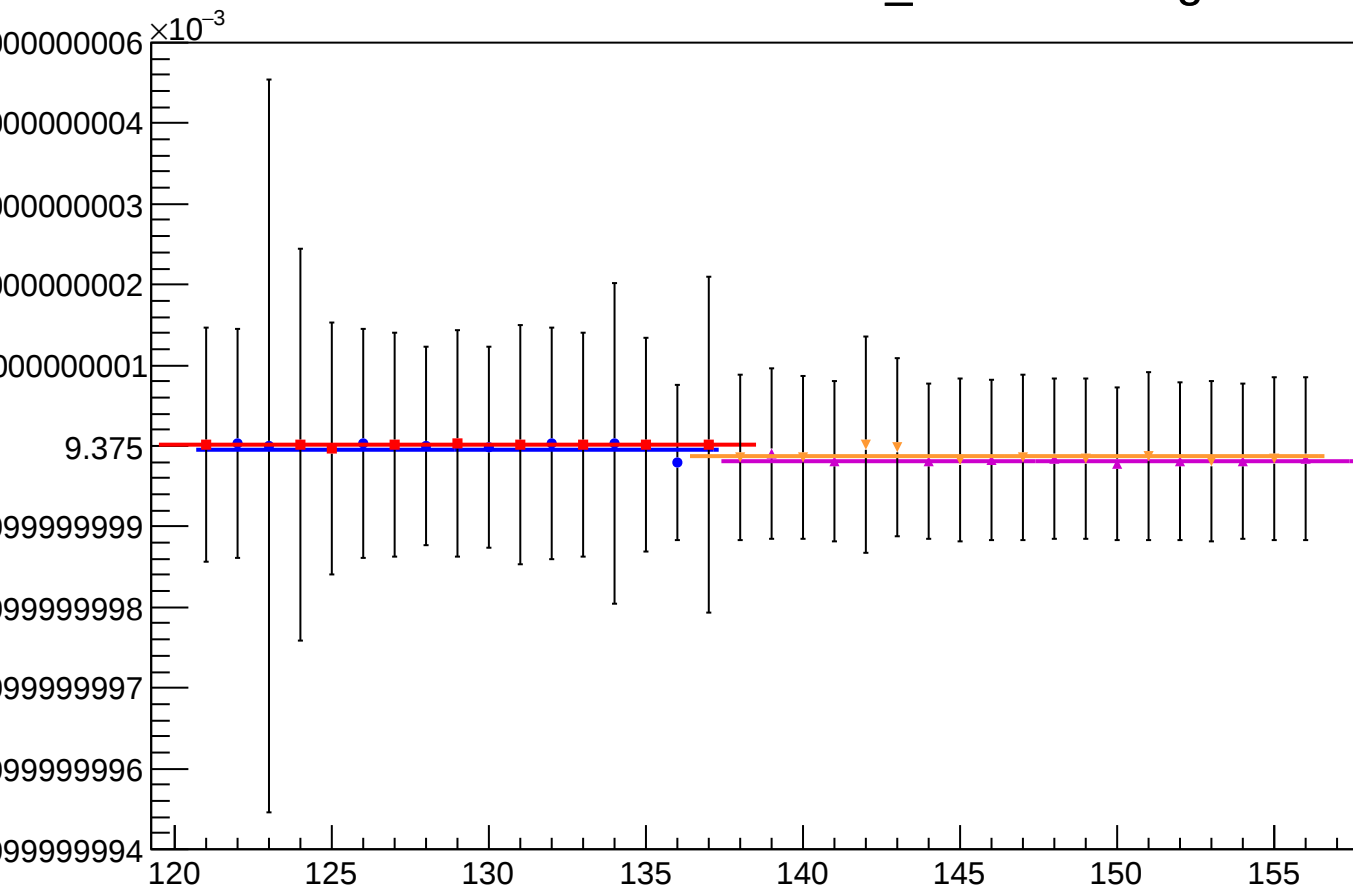
Right Out: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$

Left In: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$

0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/17$

0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/17$

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/9

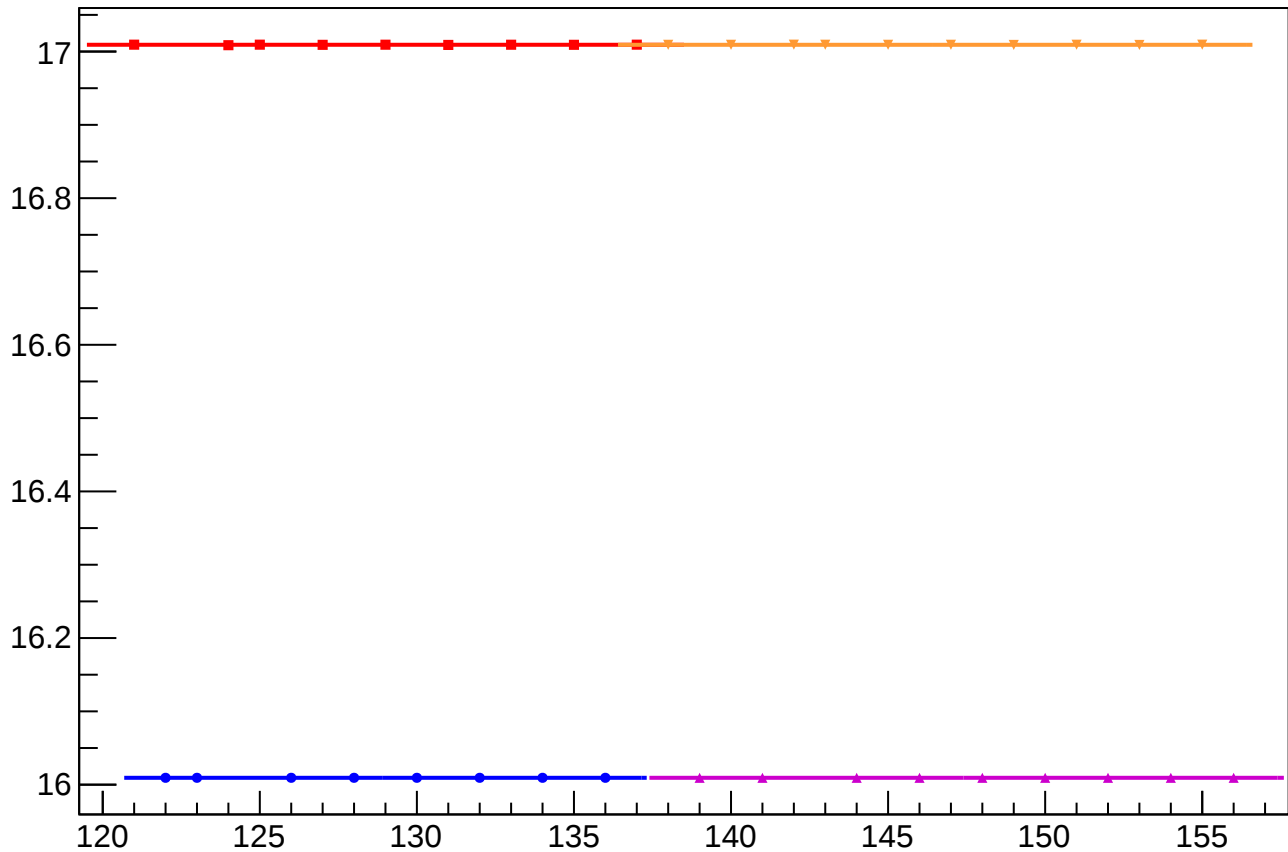
Right Out: 0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: 0.009+/-0.000 χ^2/NDF : 0.0/8

0.009+/-0.000 χ^2/NDF : 0.1/17

0.009+/-0.000 χ^2/NDF : 0.1/17

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 30506.8/7

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 9633055740760340629028864.0/9

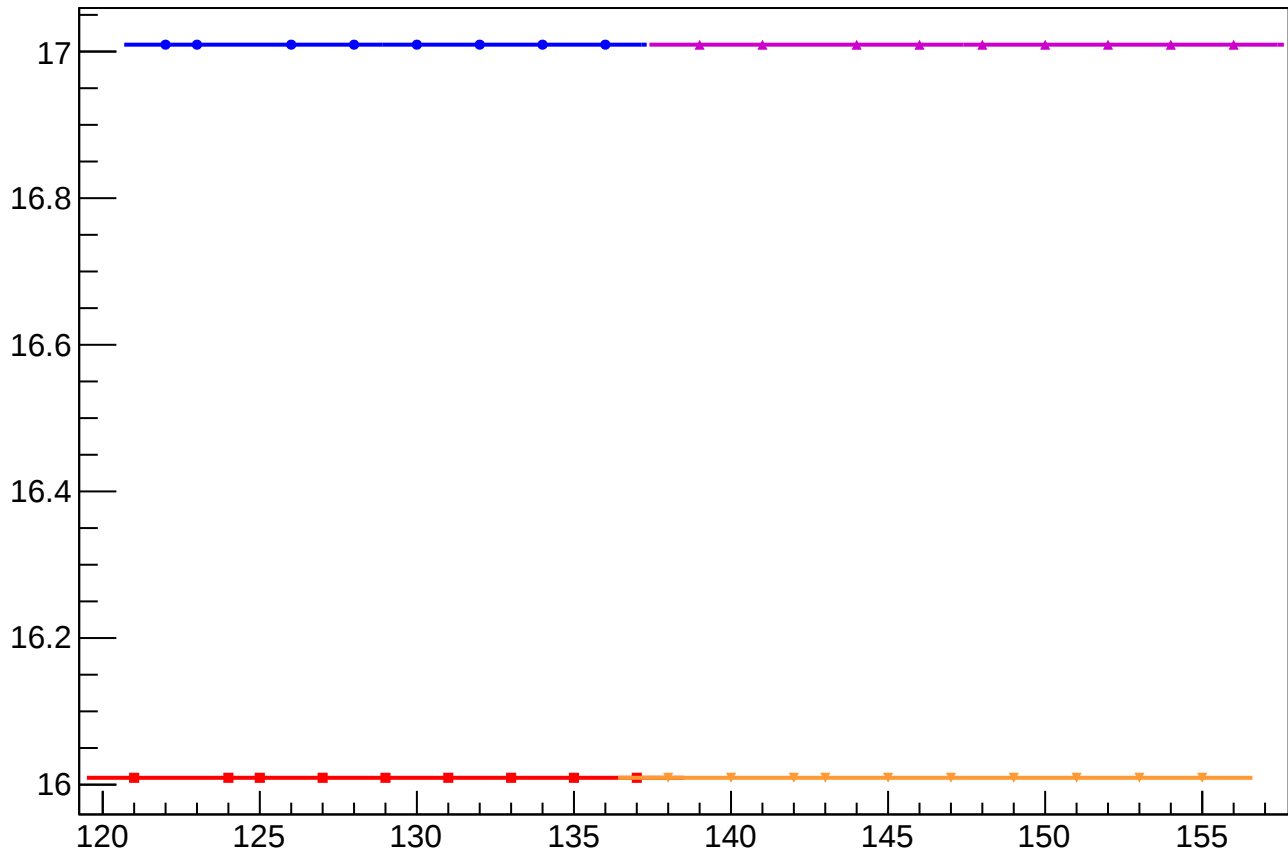
Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 8333578329558812540796928.0/8

Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 25130.0/8

16.692 $\pm$ 0.000 χ^2 /NDF: 21557076932157793

16.303 $\pm$ 0.000 χ^2 /NDF: 21313642285357199

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 : 28941.7/9

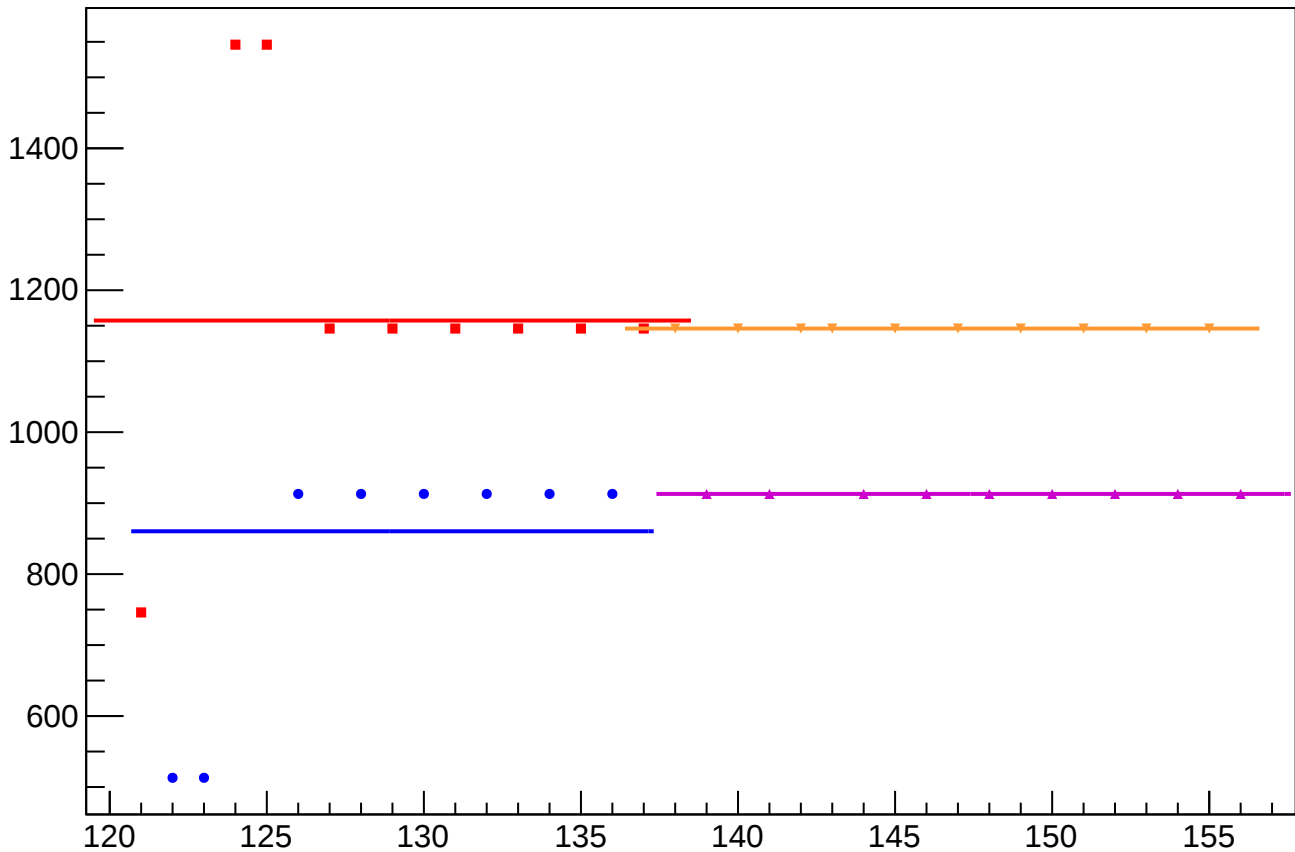
Right Out: 16.009+/-0.000 χ^2/NDF : 17859.8/8

Left In: 17.009+/-0.000 χ^2/NDF : 6942.0/8

16.323+/-0.000 χ^2/NDF : 23489010989010538

16.714+/-0.000 χ^2/NDF : 22486401480108882

RTPAPOSUCNT_mean vs Slug



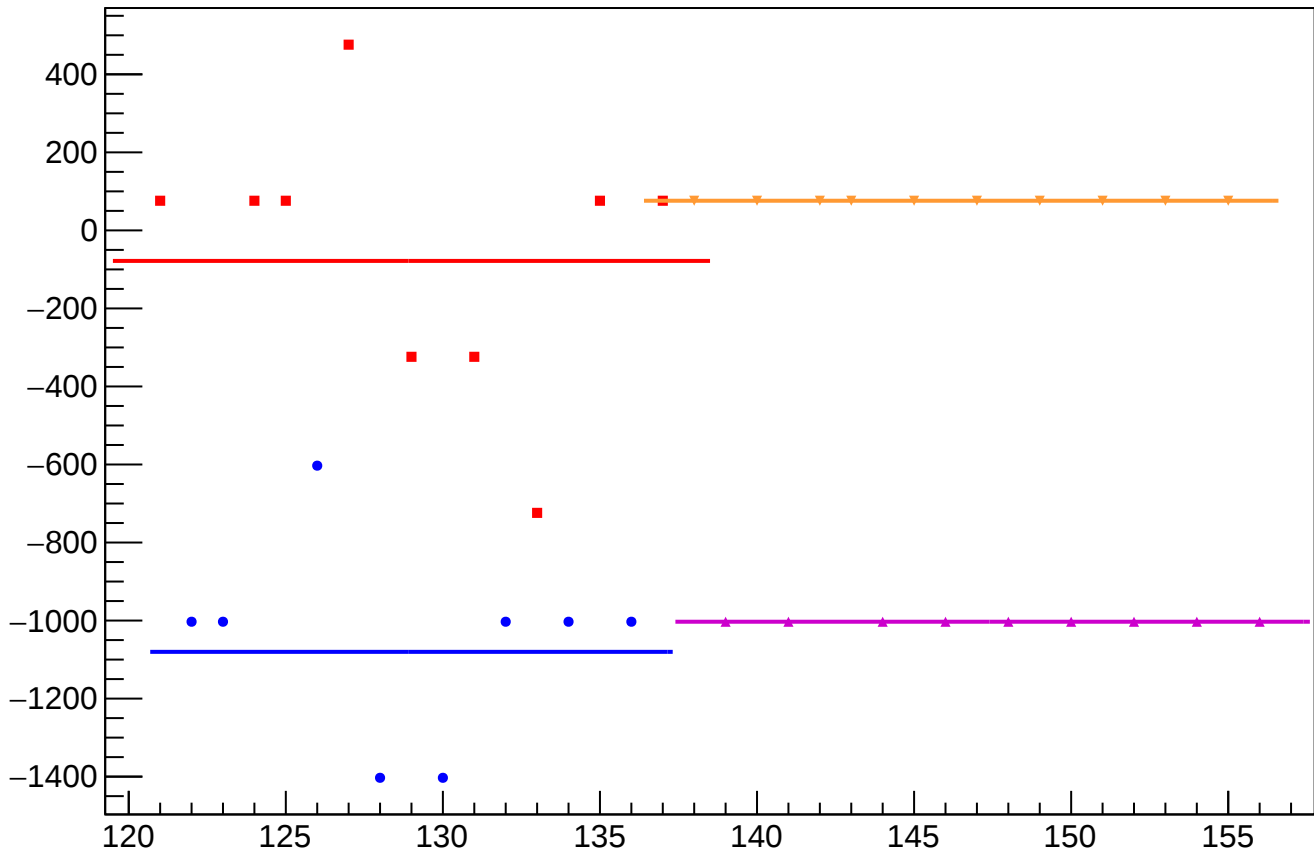
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 2612951619900884841628958720.0/9

Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: 912.993+/-0.000 χ^2/NDF : 9563447604203700901925355520.0/8

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 : 2999609124876786285613678592.0/9

Right Out: -78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: -1002.989+/-0.000 χ^2/NDF : 1110083778837018645681405952.0/8