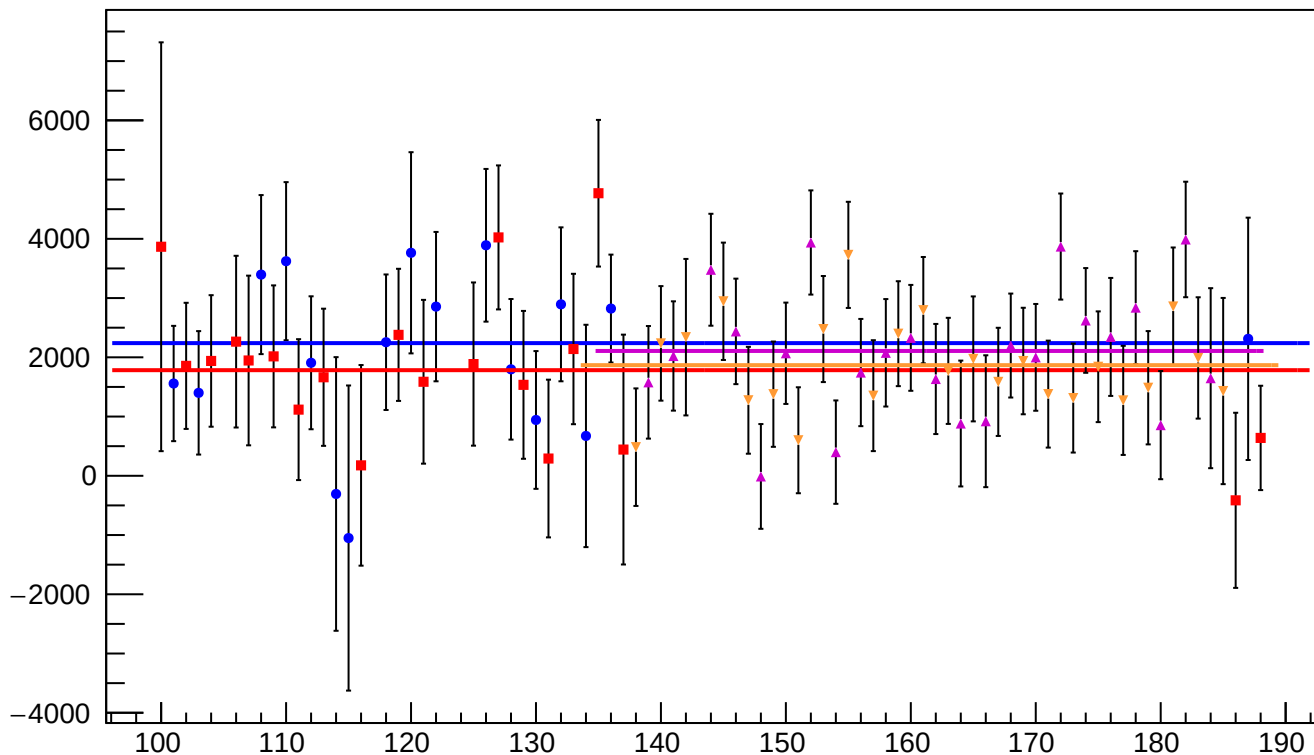


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2239.642 $\pm$ 310.984

Left Out: 1867.512 $\pm$ 194.801

Right Out: 1782.809 $\pm$ 285.554

Left In: 2107.246 $\pm$ 194.959

χ^2 /NDF: 11.3/16

χ^2 /NDF:15.1/23

χ^2 /NDF: 17.1/19

χ^2 /NDF:30.0/22

Left: 1987.282 $\pm$ 137.801

Right: 1991.787 $\pm$ 210.334

In: 2144.600 $\pm$ 165.183

Out: 1840.612 $\pm$ 160.923

All: 1988.635 $\pm$ 115.266

χ^2 /NDF: 45.9/46

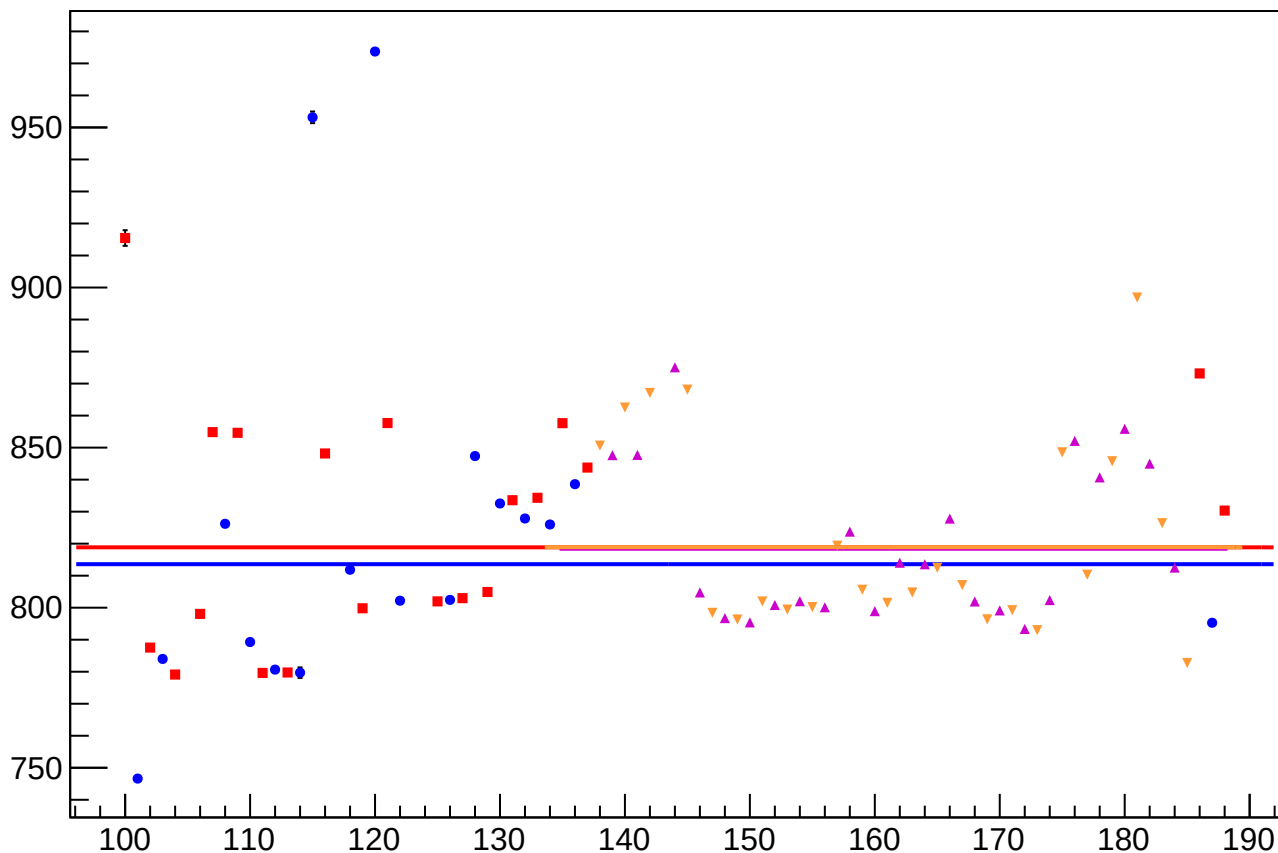
χ^2 /NDF: 29.6/36

χ^2 /NDF:41.5/39

χ^2 /NDF:32.2/43

χ^2 /NDF: 75.4/83

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 813.588 $\pm$ 0.220 χ^2 /NDF: 42205.5/16

Left Out: 818.900 $\pm$ 0.138 χ^2 /NDF: 41670.9/23

Right Out: 818.854 $\pm$ 0.202 χ^2 /NDF: 23297.8/19

Left In: 818.403 $\pm$ 0.138 χ^2 /NDF: 29907.0/22

Left: 818.652 $\pm$ 0.097 χ^2 /NDF: 71584.4/46

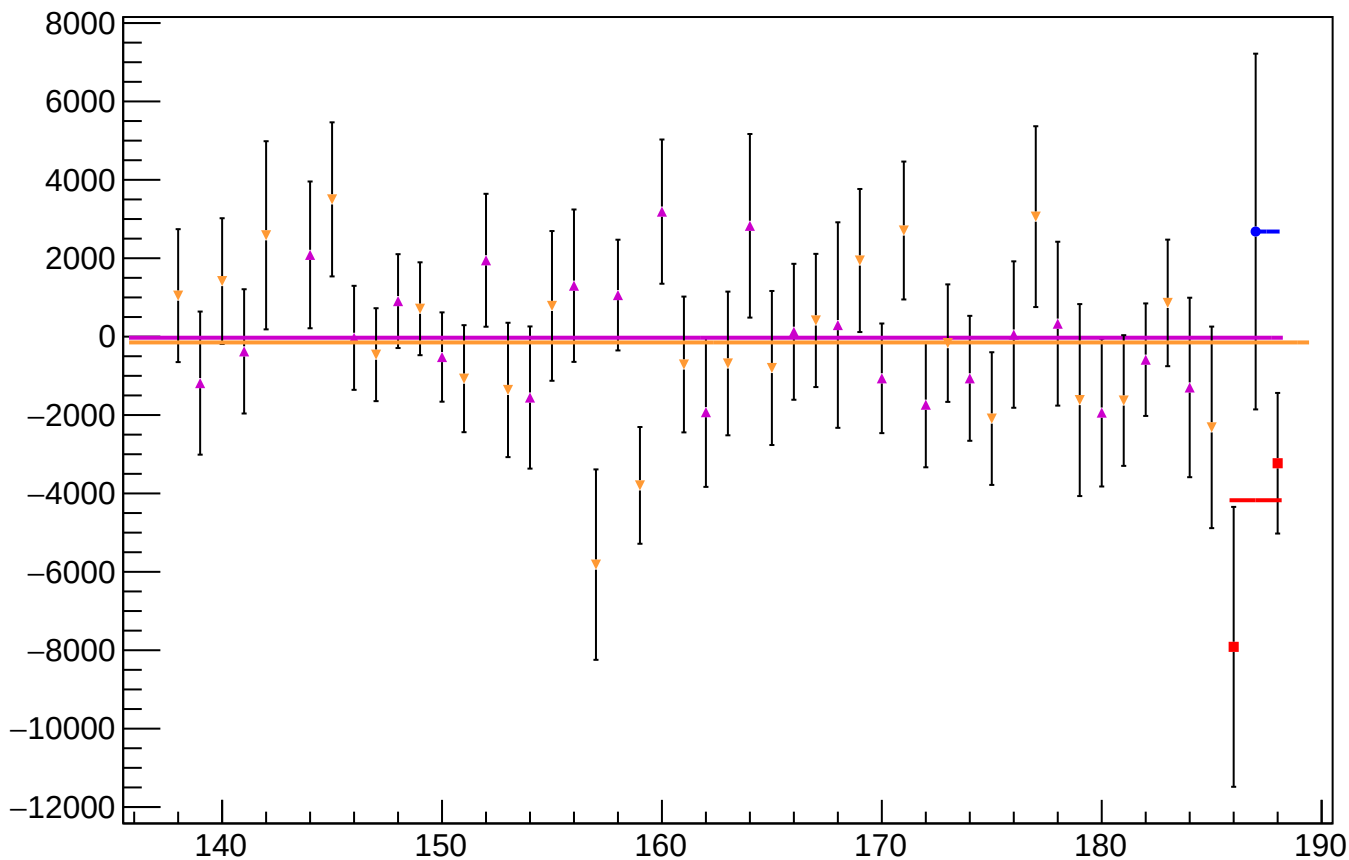
Right: 816.445 $\pm$ 0.149 χ^2 /NDF: 65814.4/36

In: 817.045 $\pm$ 0.117 χ^2 /NDF: 72456.6/39

Out: 818.886 $\pm$ 0.114 χ^2 /NDF: 64968.7/43

All: 817.989 $\pm$ 0.082 χ^2 /NDF: 137552.8/83

asym_us_avg_correction_mean vs Slug, Sign Corrected



Right In: 2680.883+/-4537.474 χ^2/NDF : 0.0/0

Left Out: -147.864+/-347.750 χ^2/NDF :29.3/23

Right Out: -4173.511+/-1602.601 χ^2/NDF : 1.4/1

Left In: -27.722+/-344.229 χ^2/NDF :14.8/22

Left: -87.182+/-244.642 χ^2/NDF : 44.2/46

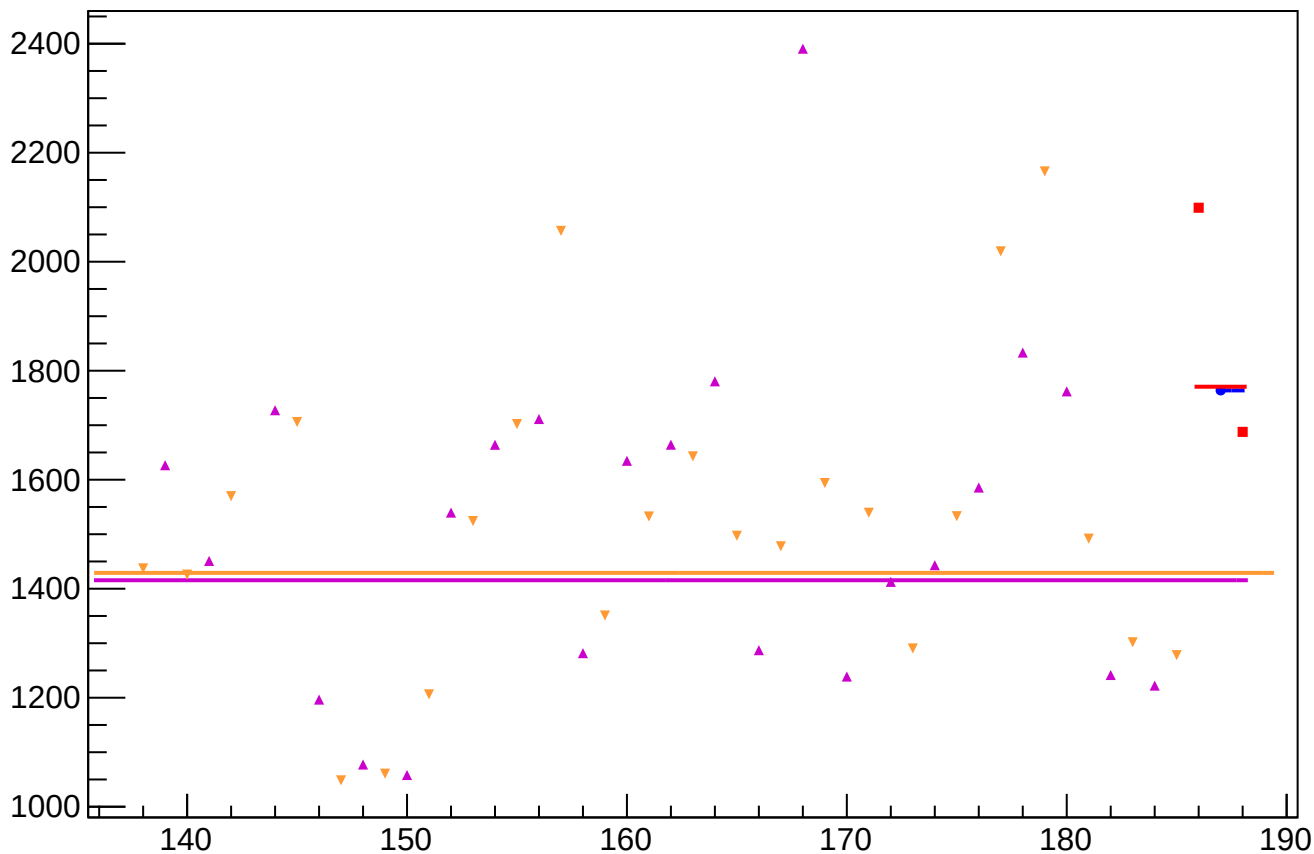
Right: -3413.294+/-1511.118 χ^2/NDF : 3.4/2

In: -12.223+/-343.243 χ^2/NDF :15.2/23

Out: -328.889+/-339.841 χ^2/NDF :36.7/25

All: -172.133+/-241.498 χ^2/NDF : 52.3/49

asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 1763.889+/-3.208 χ^2/NDF : 0.0/0

Left Out: 1429.065+/-0.246 χ^2/NDF :1106949.6/23

Right Out: 1770.642+/-1.133 χ^2/NDF : 21193.2/1

Left In: 1415.555+/-0.243 χ^2/NDF :1245603.5/22

Left: 1422.241+/-0.173 χ^2/NDF : 2354077.8/46

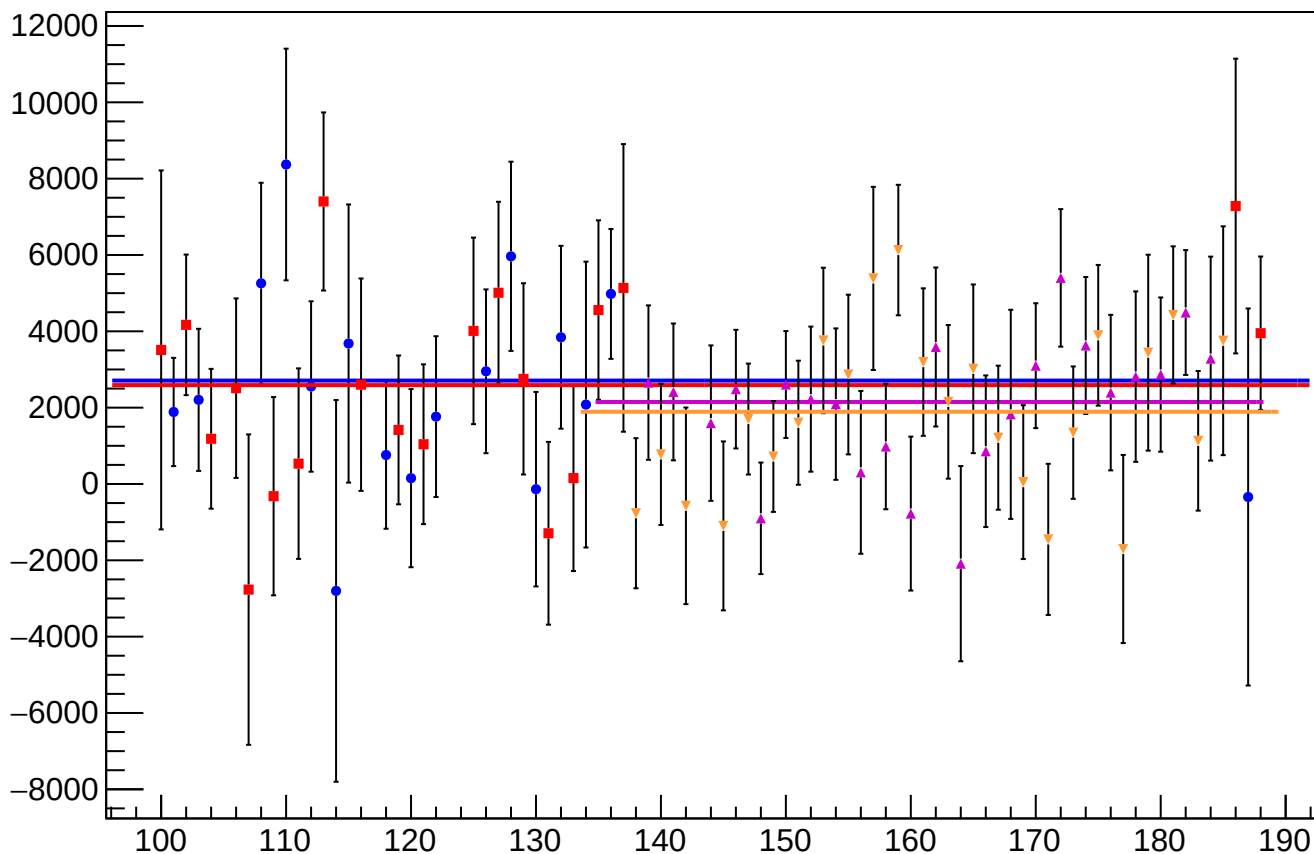
Right: 1769.893+/-1.069 χ^2/NDF : 21197.2/2

In: 1417.548+/-0.243 χ^2/NDF :1257322.8/23

Out: 1444.425+/-0.240 χ^2/NDF :1214914.0/25

All: 1431.120+/-0.171 χ^2/NDF : 2478429.1/49

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2709.158 $\pm$ 559.323 χ^2 /NDF: 13.9/16

Left Out: 1892.511 $\pm$ 394.798 χ^2 /NDF:25.9/23

Right Out: 2590.405 $\pm$ 542.020 χ^2 /NDF: 18.3/19

Left In: 2148.867 $\pm$ 391.716 χ^2 /NDF:18.4/22

Left: 2021.694 $\pm$ 278.068 χ^2 /NDF: 44.6/46

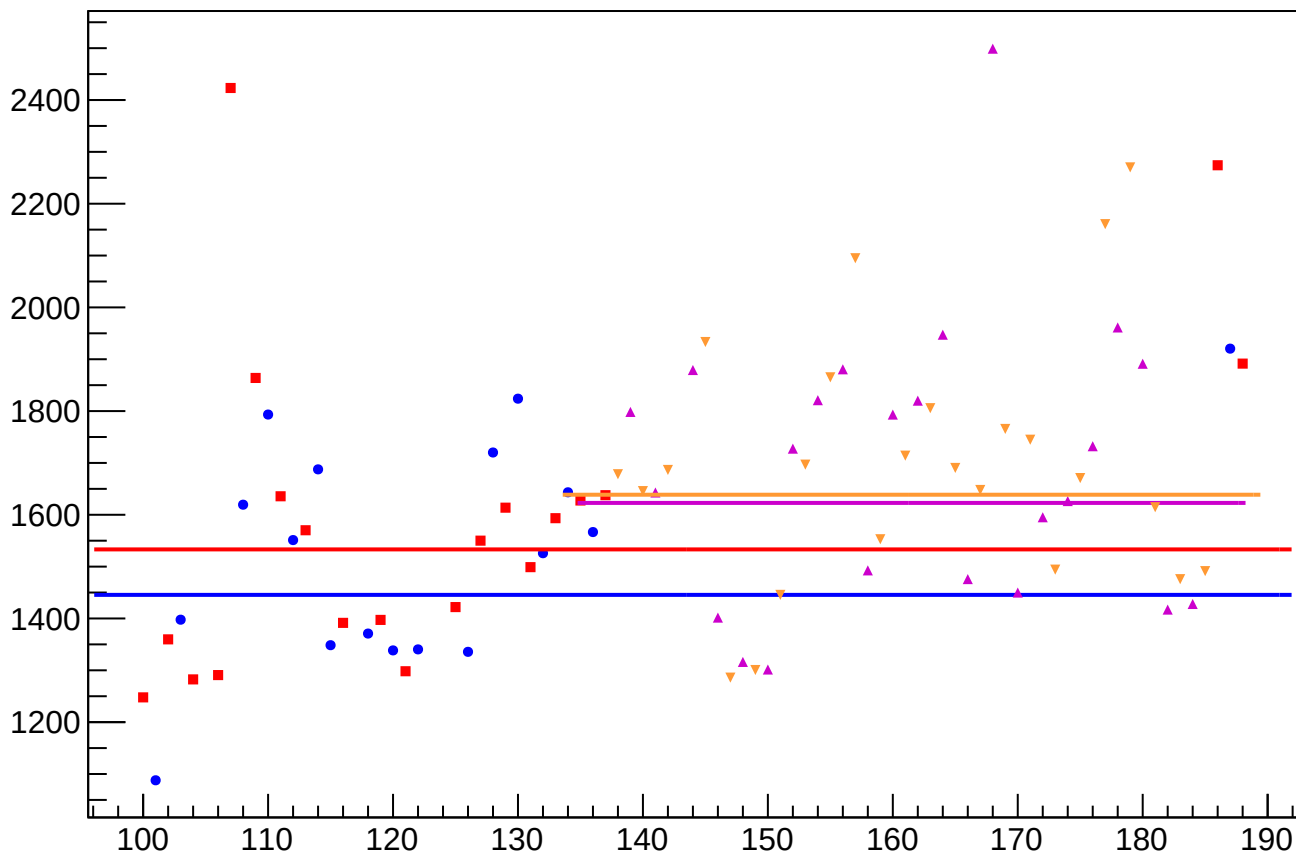
Right: 2647.917 $\pm$ 389.239 χ^2 /NDF: 32.2/36

In: 2333.243 $\pm$ 320.855 χ^2 /NDF:33.0/39

Out: 2134.427 $\pm$ 319.119 χ^2 /NDF:45.3/43

All: 2233.296 $\pm$ 226.262 χ^2 /NDF: 78.5/83

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1445.501 $\pm$ 0.396 χ^2/NDF : 296590.6/16

Left Out: 1638.679 $\pm$ 0.279 χ^2/NDF : 671983.1/23

Right Out: 1533.209 $\pm$ 0.383 χ^2/NDF : 406005.8/19

Left In: 1622.876 $\pm$ 0.277 χ^2/NDF : 780522.2/22

Left: 1630.716 $\pm$ 0.197 χ^2/NDF : 1454120.1/46

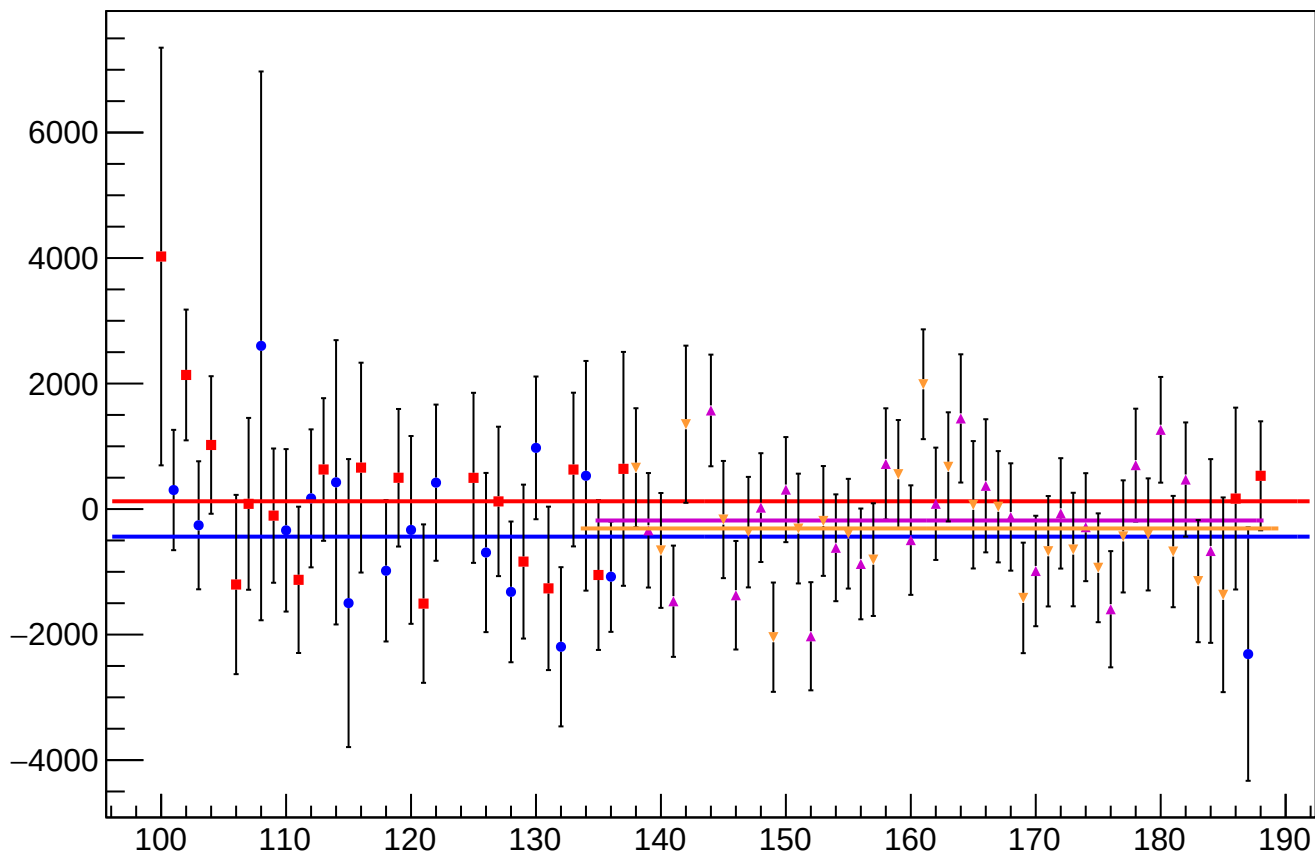
Right: 1490.732 $\pm$ 0.275 χ^2/NDF : 727958.8/36

In: 1564.507 $\pm$ 0.227 χ^2/NDF : 1212061.1/39

Out: 1602.119 $\pm$ 0.226 χ^2/NDF : 1127467.1/43

All: 1583.415 $\pm$ 0.160 χ^2/NDF : 2353344.8/83

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -439.378 $\pm$ 309.474 χ^2 /NDF: 8.3/16

Left Out: -308.819 $\pm$ 187.448 χ^2 /NDF:20.6/23

Right Out: 124.064 $\pm$ 276.997 χ^2 /NDF: 13.2/19

Left In: -181.983 $\pm$ 187.935 χ^2 /NDF:25.6/22

Left: -245.566 $\pm$ 132.717 χ^2 /NDF: 46.4/46

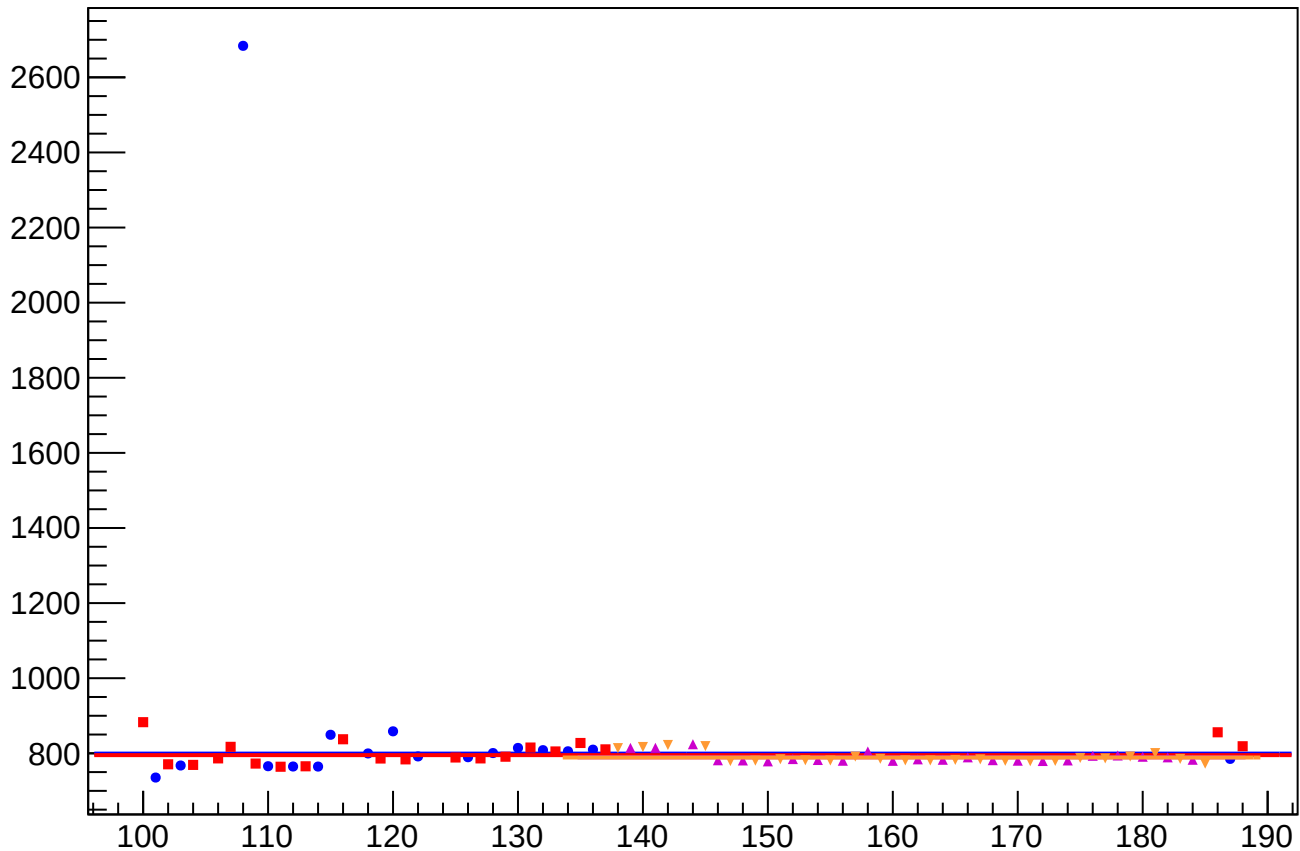
Right: -126.551 $\pm$ 206.397 χ^2 /NDF: 23.3/36

In: -251.331 $\pm$ 160.635 χ^2 /NDF:34.4/39

Out: -172.850 $\pm$ 155.242 χ^2 /NDF:35.4/43

All: -210.751 $\pm$ 111.631 χ^2 /NDF: 69.9/83

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 799.199 $\pm$ 0.219 χ^2 /NDF: 391285.2/16

Left Out: 788.886 $\pm$ 0.133 χ^2 /NDF: 9342.2/23

Right Out: 795.168 $\pm$ 0.196 χ^2 /NDF: 16833.3/19

Left In: 789.406 $\pm$ 0.133 χ^2 /NDF: 9219.1/22

Left: 789.145 $\pm$ 0.094 χ^2 /NDF: 18569.0/46

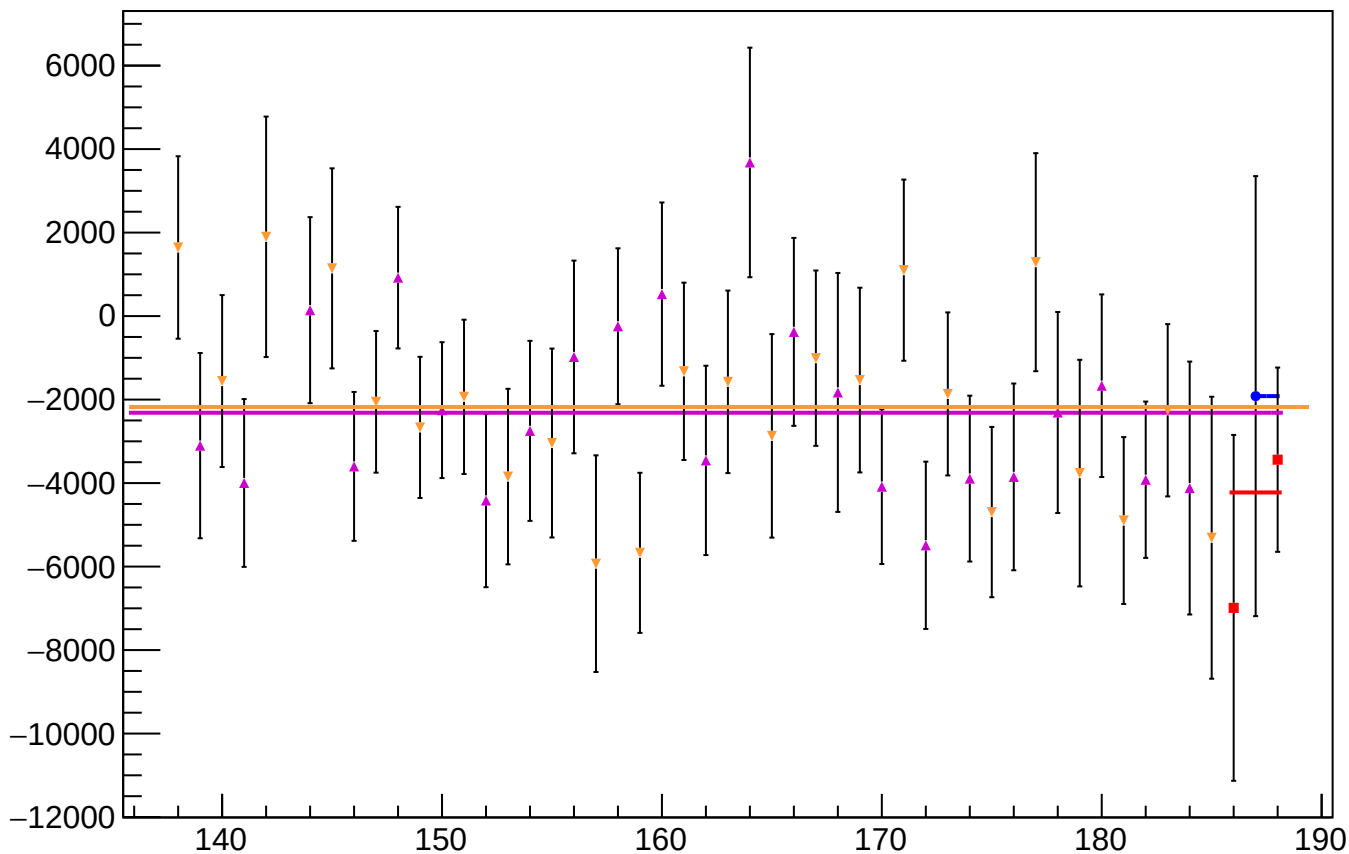
Right: 796.961 $\pm$ 0.146 χ^2 /NDF: 408306.9/36

In: 792.045 $\pm$ 0.114 χ^2 /NDF: 401967.3/39

Out: 790.859 $\pm$ 0.110 χ^2 /NDF: 26881.2/43

All: 791.432 $\pm$ 0.079 χ^2 /NDF: 428904.9/83

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -1917.042+/-5269.656 χ^2/NDF : 0.0/0

Left Out: -2178.467+/-439.661 χ^2/NDF : 22.7/23

Right Out: -4224.576+/-1947.897 χ^2/NDF : 0.6/1

Left In: -2315.169+/-437.003 χ^2/NDF : 22.0/22

Left: -2247.233+/-309.943 χ^2/NDF : 44.8/46

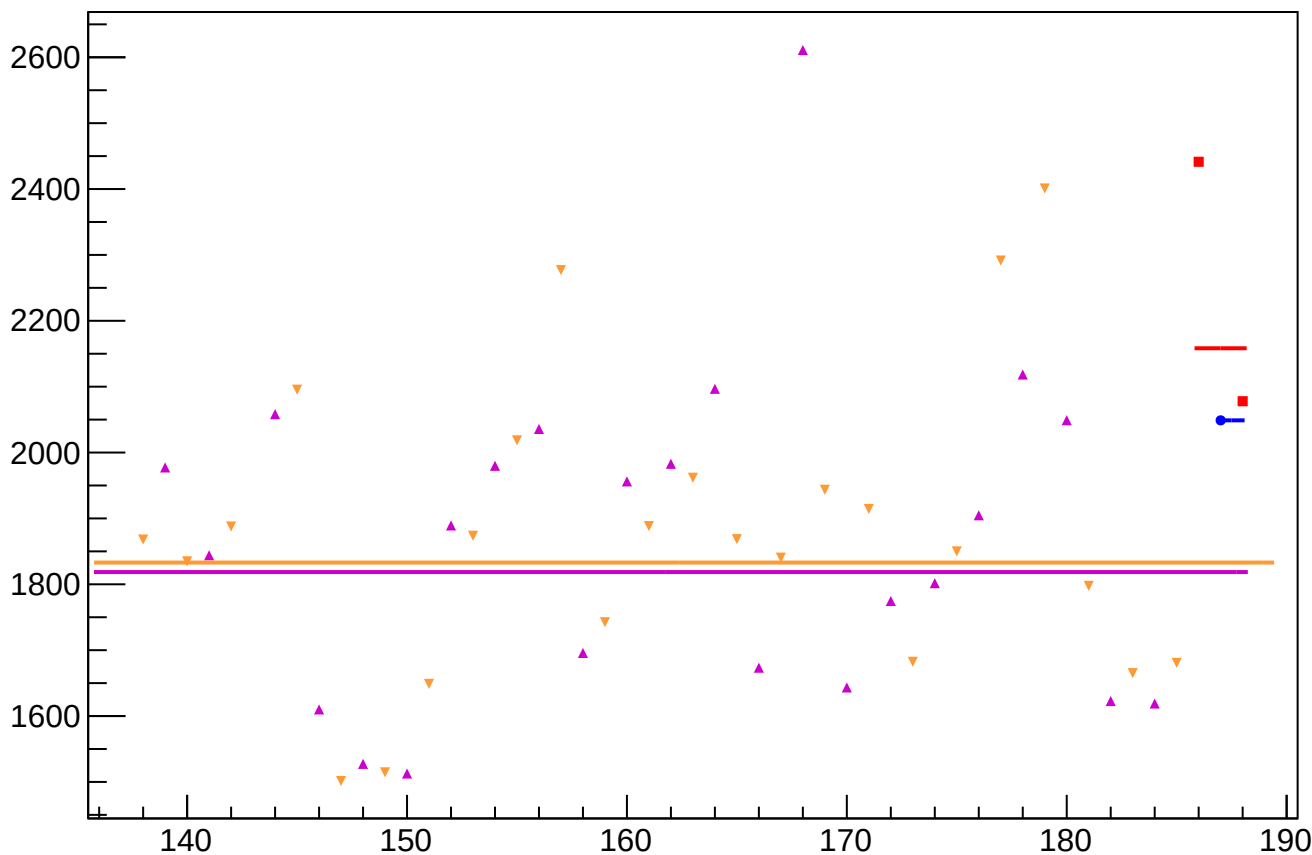
Right: -3947.184+/-1827.070 χ^2/NDF : 0.7/2

In: -2312.450+/-435.508 χ^2/NDF : 22.0/23

Out: -2277.653+/-428.872 χ^2/NDF : 24.3/25

All: -2294.785+/-305.577 χ^2/NDF : 46.3/49

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 2048.877+/-3.726 χ^2/NDF : 0.0/0

Left Out: 1833.028+/-0.311 χ^2/NDF : 465466.9/23

Right Out: 2158.293+/-1.377 χ^2/NDF : 11994.8/1

Left In: 1818.594+/-0.309 χ^2/NDF : 536826.7/22

Left: 1825.767+/-0.219 χ^2/NDF : 1003377.8/46

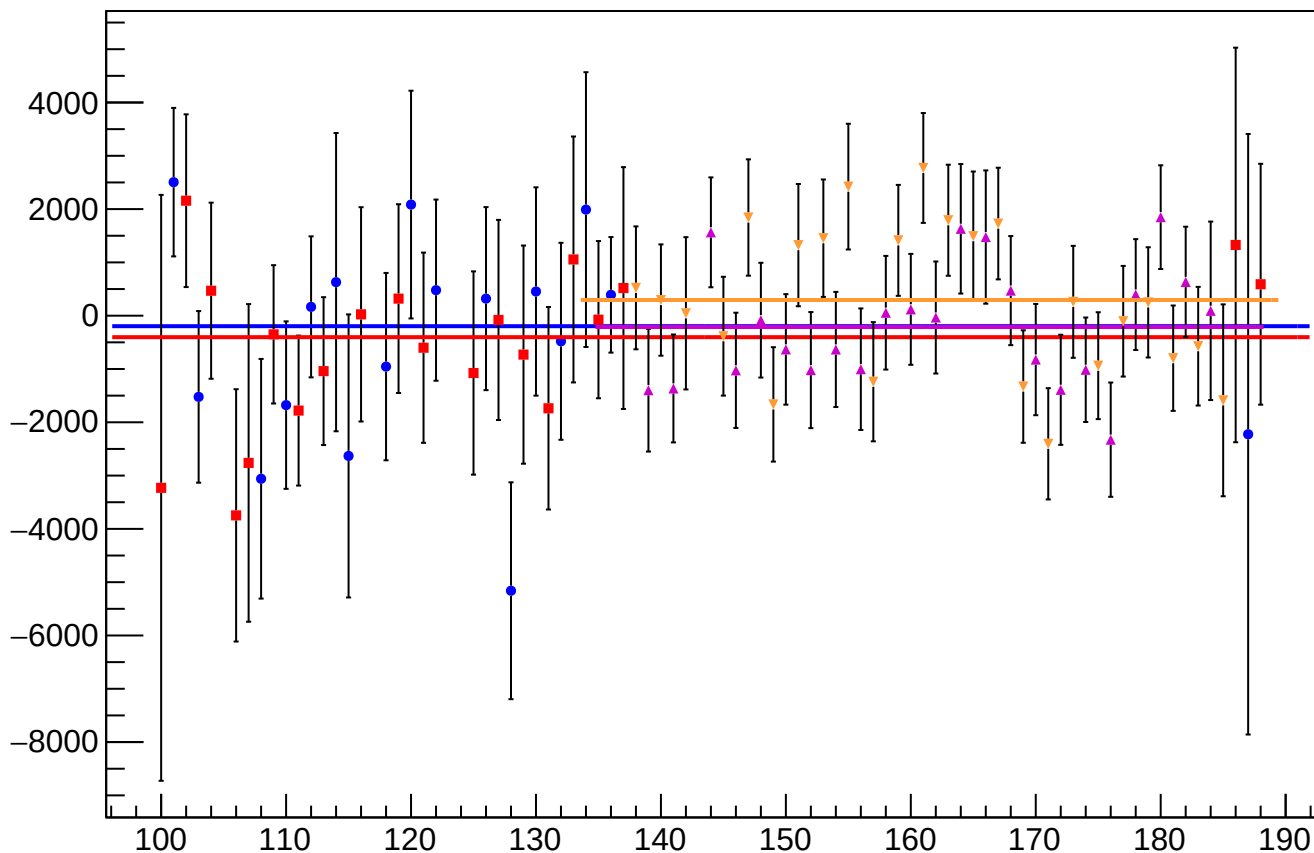
Right: 2145.140+/-1.292 χ^2/NDF : 12753.4/2

In: 1820.167+/-0.308 χ^2/NDF : 540619.9/23

Out: 1848.795+/-0.303 χ^2/NDF : 530524.7/25

All: 1834.701+/-0.216 χ^2/NDF : 1075532.1/49

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -196.946 ± 430.235 $\chi^2/\text{NDF}: 16.8/16$

Left Out: 294.652 ± 224.344 $\chi^2/\text{NDF}: 38.3/23$

Right Out: -402.803 ± 416.832 $\chi^2/\text{NDF}: 8.8/19$

Left In: -212.080 ± 224.701 $\chi^2/\text{NDF}: 23.7/22$

Left: 41.688 ± 158.761 $\chi^2/\text{NDF}: 64.6/46$

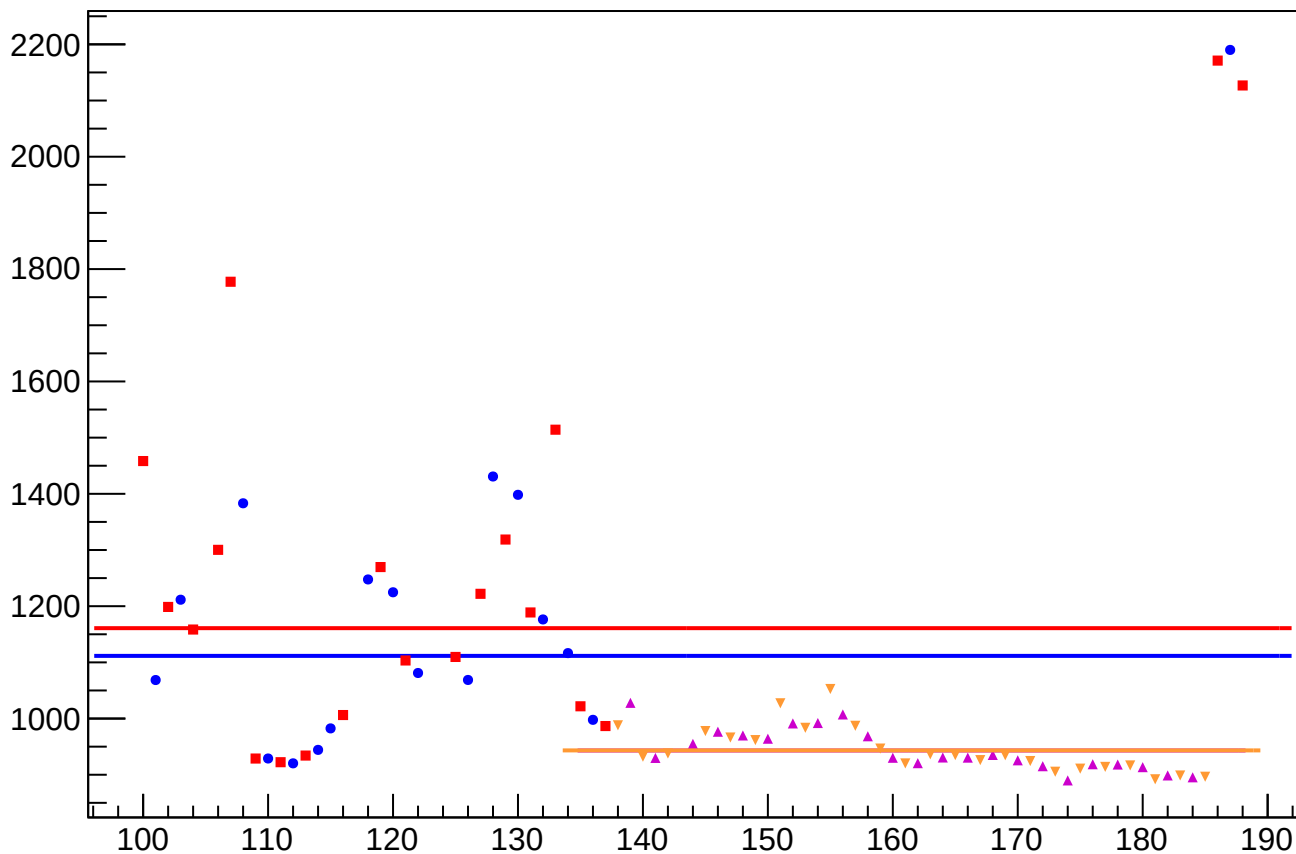
Right: -303.131 ± 299.371 $\chi^2/\text{NDF}: 25.6/36$

In: -208.837 ± 199.173 $\chi^2/\text{NDF}: 40.5/39$

Out: 137.996 ± 197.549 $\chi^2/\text{NDF}: 49.2/43$

All: -34.001 ± 140.259 $\chi^2/\text{NDF}: 91.3/83$

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1111.562 ± 0.304 $\chi^2/\text{NDF}: 329090.1/16$

Left Out: 943.327 ± 0.159 $\chi^2/\text{NDF}: 60410.5/23$

Right Out: 1160.889 ± 0.295 $\chi^2/\text{NDF}: 902581.3/19$

Left In: 943.137 ± 0.159 $\chi^2/\text{NDF}: 49948.2/22$

Left: 943.232 ± 0.112 $\chi^2/\text{NDF}: 110359.4/46$

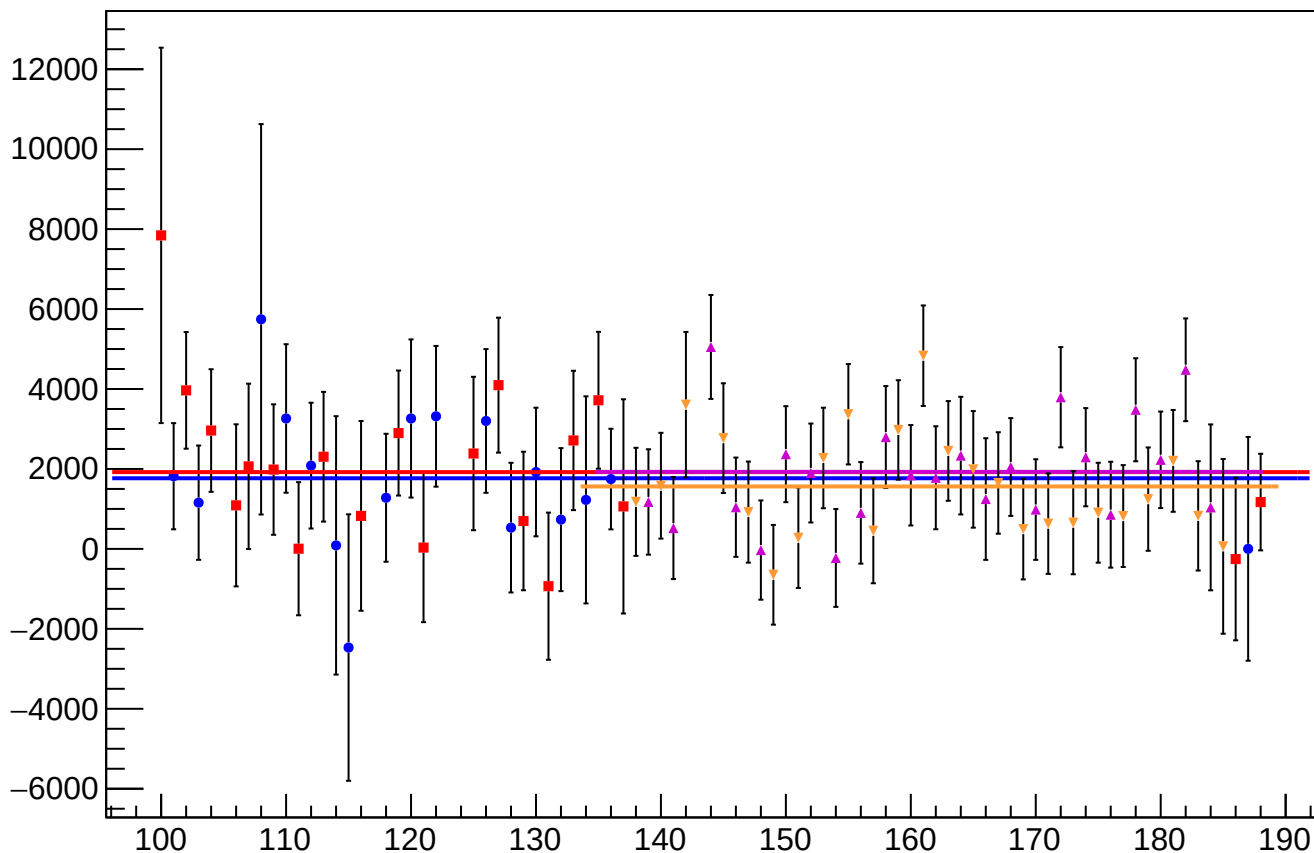
Right: 1137.006 ± 0.212 $\chi^2/\text{NDF}: 1245232.1/36$

In: 979.232 ± 0.141 $\chi^2/\text{NDF}: 619853.5/39$

Out: 992.194 ± 0.140 $\chi^2/\text{NDF}: 1385458.3/43$

All: 985.766 ± 0.099 $\chi^2/\text{NDF}: 2009581.4/83$

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1767.004 $\pm$ 436.727 χ^2/NDF : 6.9/16

Left Out: 1562.090 $\pm$ 269.272 χ^2/NDF : 21.8/23

Right Out: 1920.911 $\pm$ 395.472 χ^2/NDF : 14.8/19

Left In: 1926.929 $\pm$ 269.667 χ^2/NDF : 24.1/22

Left: 1744.243 $\pm$ 190.544 χ^2/NDF : 46.8/46

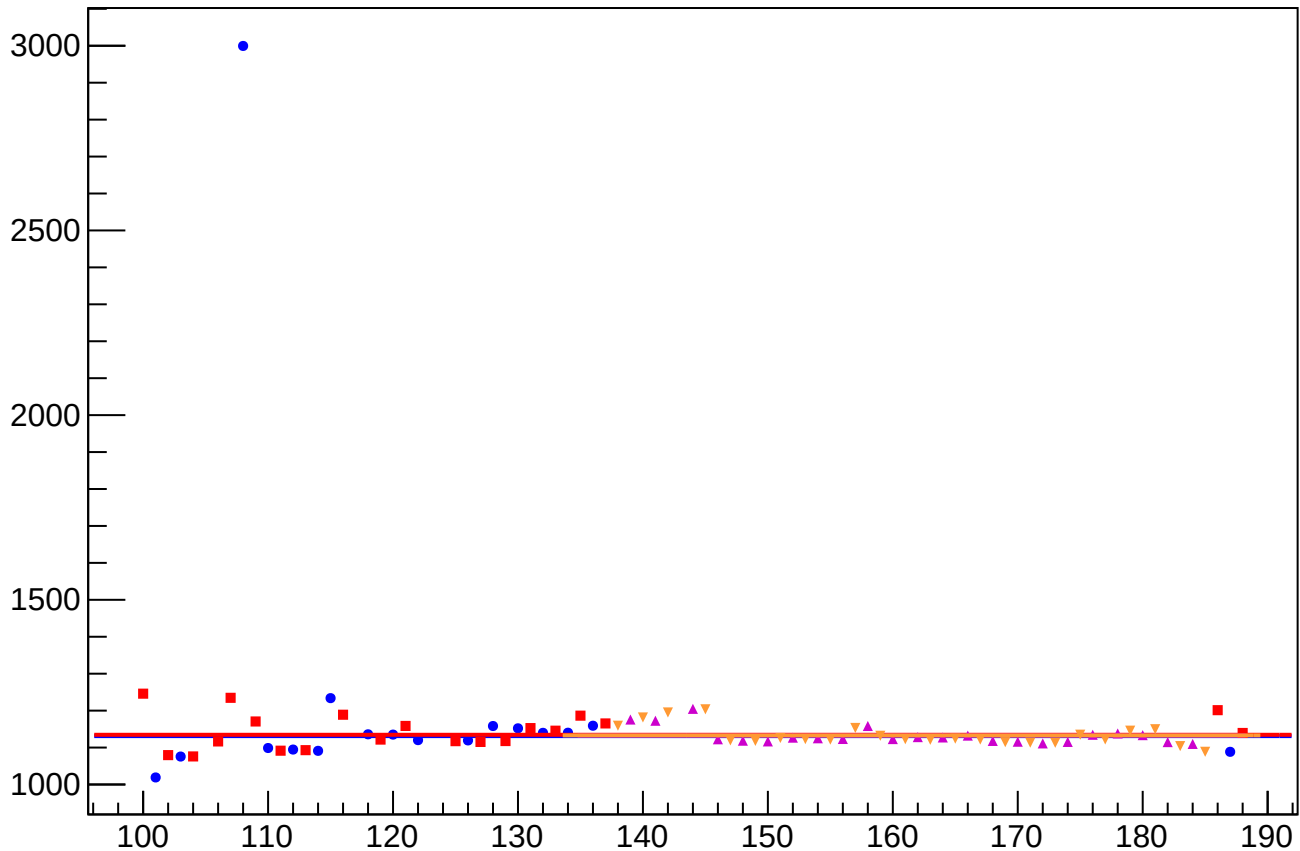
Right: 1851.569 $\pm$ 293.144 χ^2/NDF : 21.7/36

In: 1882.785 $\pm$ 229.450 χ^2/NDF : 31.1/39

Out: 1675.749 $\pm$ 222.577 χ^2/NDF : 37.1/43

All: 1776.120 $\pm$ 159.760 χ^2/NDF : 68.6/83

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1131.013 $\pm$ 0.309 χ^2 /NDF: 316499.6/16

Left Out: 1132.882 $\pm$ 0.190 χ^2 /NDF:16786.8/23

Right Out: 1134.583 $\pm$ 0.280 χ^2 /NDF: 22040.1/19

Left In: 1132.570 $\pm$ 0.191 χ^2 /NDF:14524.8/22

Left: 1132.727 $\pm$ 0.135 χ^2 /NDF: 31312.9/46

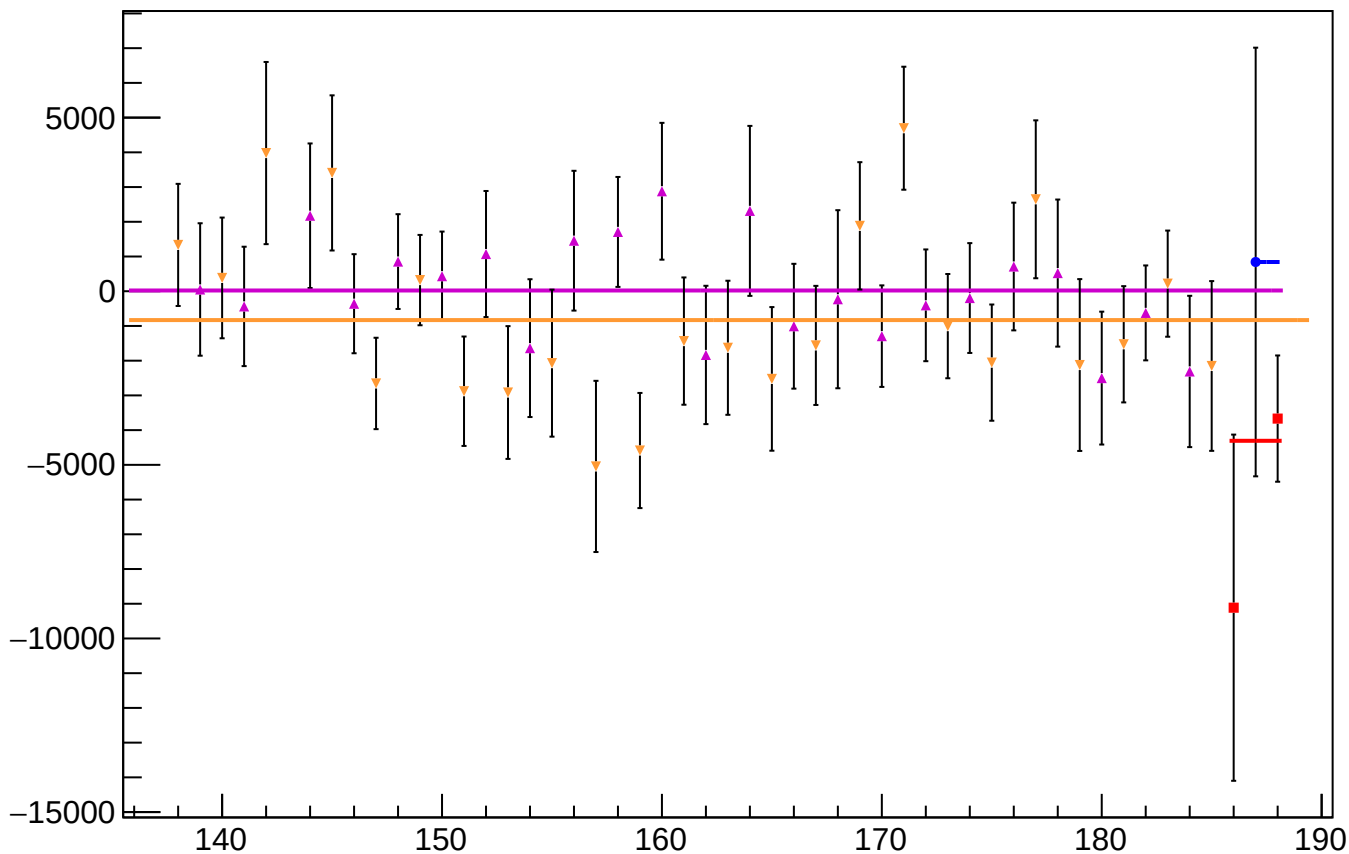
Right: 1132.975 $\pm$ 0.207 χ^2 /NDF: 338613.1/36

In: 1132.140 $\pm$ 0.162 χ^2 /NDF:331042.8/39

Out: 1133.421 $\pm$ 0.157 χ^2 /NDF:38852.1/43

All: 1132.800 $\pm$ 0.113 χ^2 /NDF: 369927.0/83

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: 841.783 ± 6172.519 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -830.927 ± 366.086 $\chi^2/\text{NDF}: 40.1/23$

Right Out: -4307.350 ± 1708.079 $\chi^2/\text{NDF}: 1.1/1$

Left In: 21.419 ± 362.476 $\chi^2/\text{NDF}: 12.8/22$

Left: -400.530 ± 257.576 $\chi^2/\text{NDF}: 55.6/46$

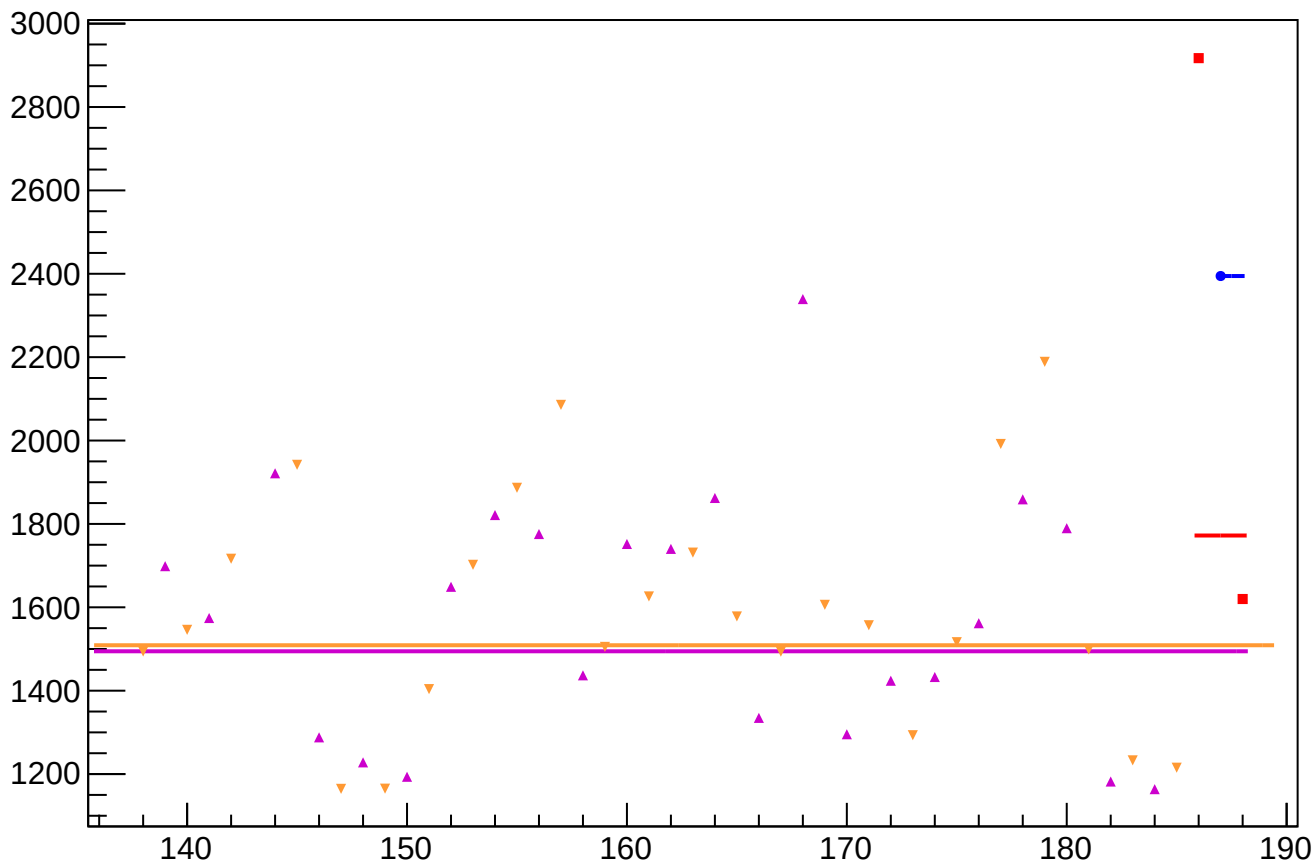
Right: -3941.098 ± 1646.211 $\chi^2/\text{NDF}: 1.7/2$

In: 24.238 ± 361.852 $\chi^2/\text{NDF}: 12.8/23$

Out: -983.606 ± 357.957 $\chi^2/\text{NDF}: 45.1/25$

All: -485.138 ± 254.480 $\chi^2/\text{NDF}: 61.8/49$

asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 2394.601+/-4.365 χ^2/NDF : 0.0/0

Left Out: 1508.993+/-0.259 χ^2/NDF : 988673.2/23

Right Out: 1772.206+/-1.208 χ^2/NDF : 119549.1/1

Left In: 1494.507+/-0.256 χ^2/NDF : 1096280.5/22

Left: 1501.678+/-0.182 χ^2/NDF : 2086534.9/46

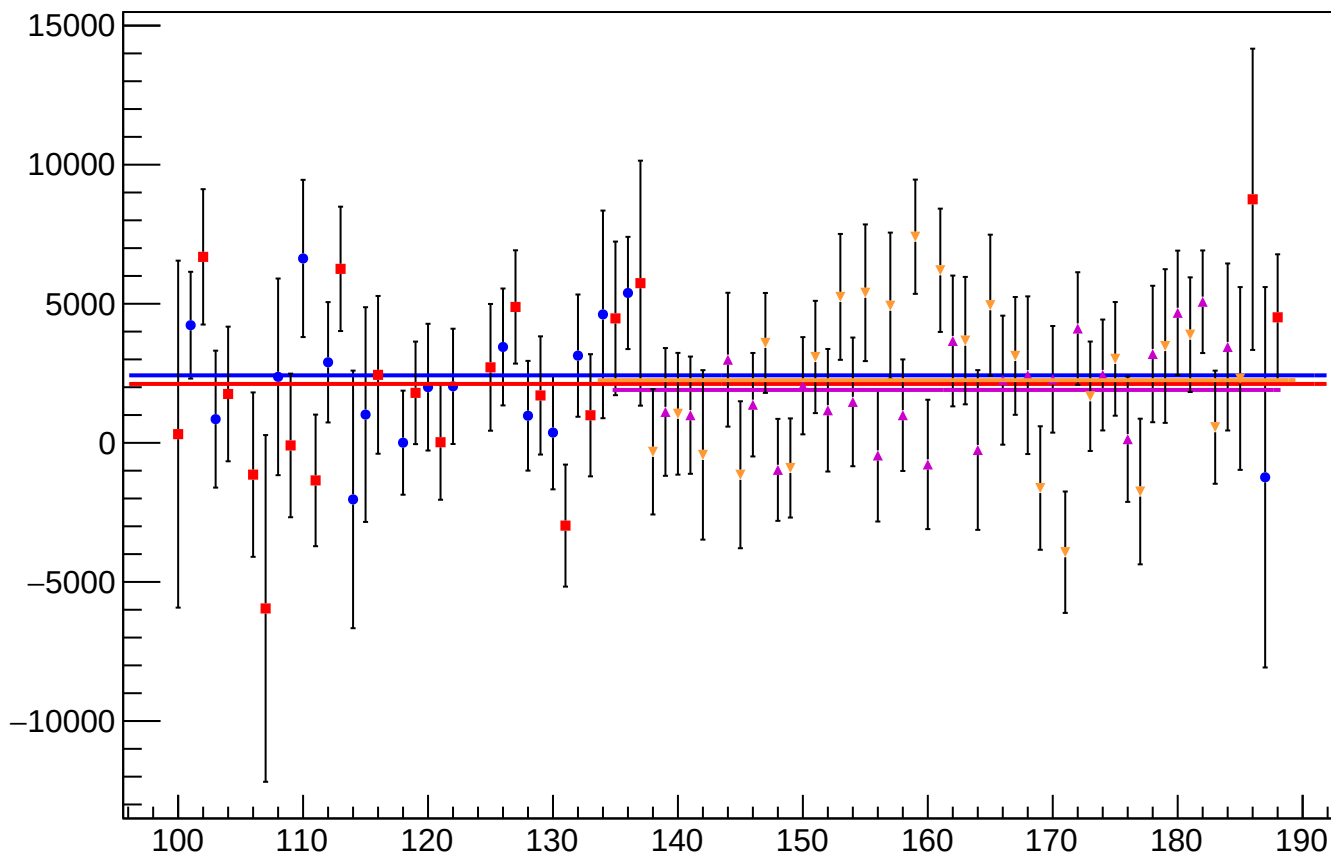
Right: 1816.476+/-1.164 χ^2/NDF : 138437.4/2

In: 1497.600+/-0.256 χ^2/NDF : 1138662.9/23

Out: 1520.552+/-0.253 χ^2/NDF : 1153629.6/25

All: 1509.201+/-0.180 χ^2/NDF : 2296359.4/49

asym_usl_mean vs Slug, Sign Corrected



Right In: 2426.914 $\pm$ 582.185 χ^2 /NDF: 11.0/16

Left Out: 2253.979 $\pm$ 456.390 χ^2 /NDF:38.7/23

Right Out: 2118.422 $\pm$ 561.728 χ^2 /NDF: 25.5/19

Left In: 1901.797 $\pm$ 453.879 χ^2 /NDF:13.9/22

Left: 2076.917 $\pm$ 321.825 χ^2 /NDF: 52.8/46

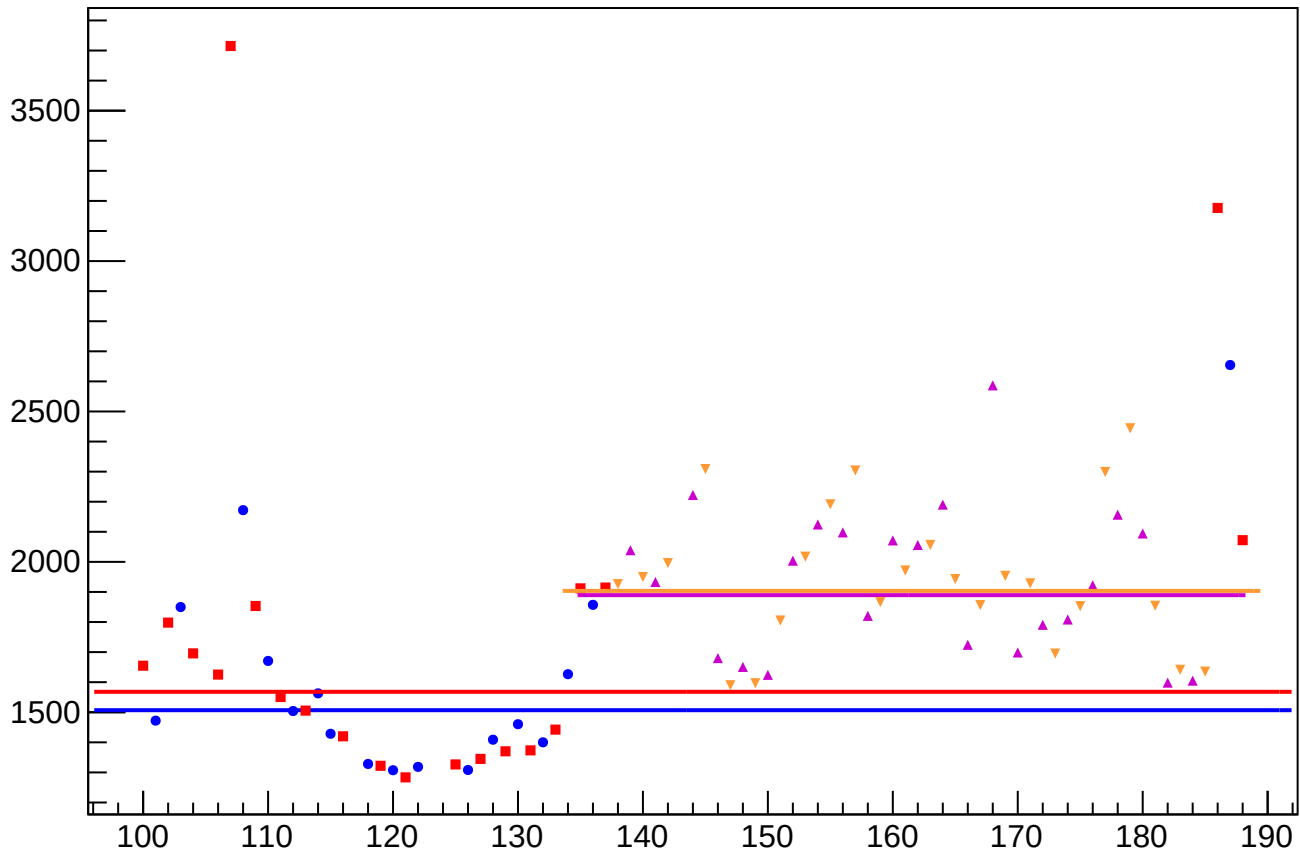
Right: 2267.153 $\pm$ 404.240 χ^2 /NDF: 36.7/36

In: 2100.307 $\pm$ 357.952 χ^2 /NDF:25.4/39

Out: 2200.077 $\pm$ 354.215 χ^2 /NDF:64.2/43

All: 2150.716 $\pm$ 251.778 χ^2 /NDF: 89.7/83

asym_usl_rms vs Slug, Sign Corrected



Right In: 1506.864+/-0.412 χ^2/NDF : 315552.4/16

Left Out: 1903.456+/-0.323 χ^2/NDF : 461899.8/23

Right Out: 1568.018+/-0.397 χ^2/NDF : 772036.4/19

Left In: 1889.326+/-0.321 χ^2/NDF : 508648.5/22

Left: 1896.352+/-0.228 χ^2/NDF : 971512.1/46

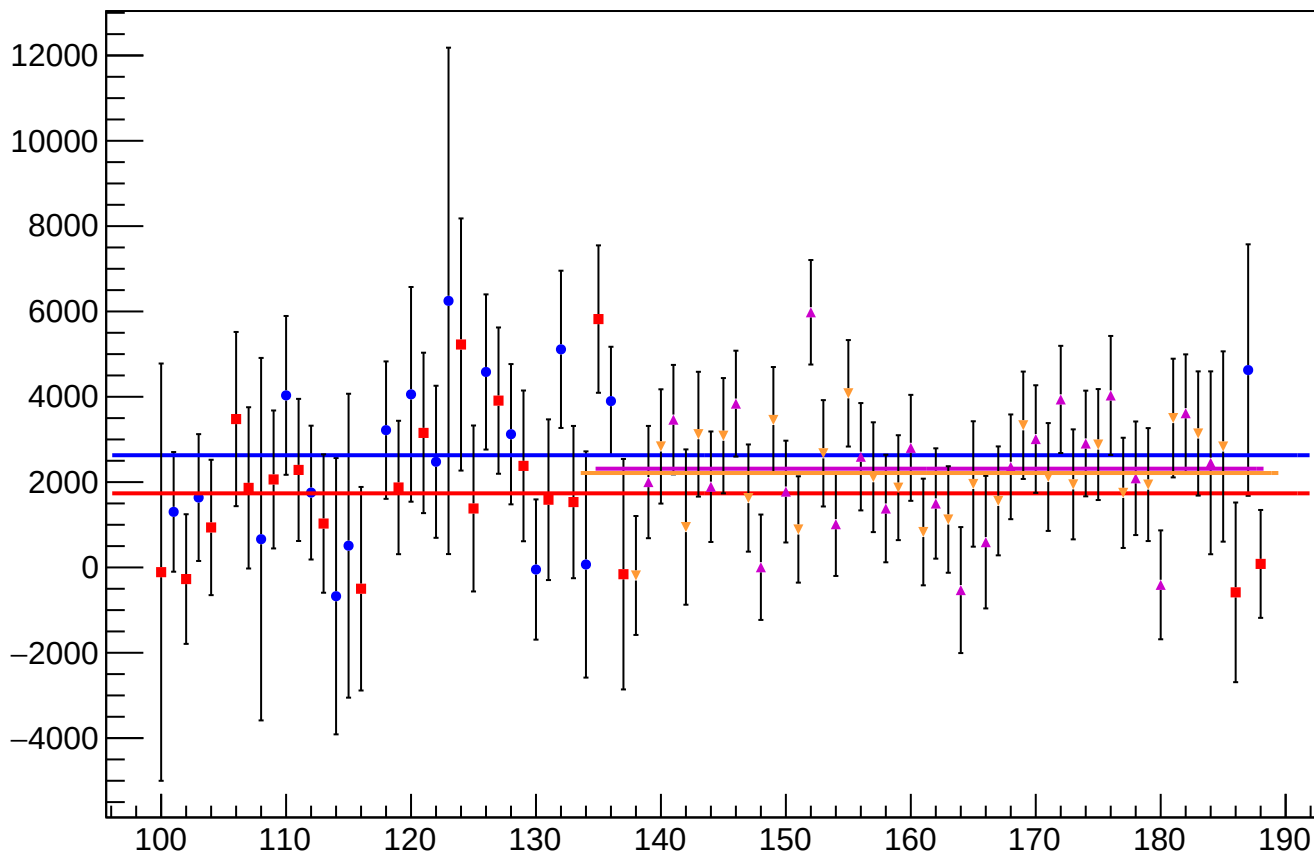
Right: 1538.535+/-0.286 χ^2/NDF : 1099017.3/36

In: 1744.744+/-0.253 χ^2/NDF : 1361052.1/39

Out: 1770.075+/-0.250 χ^2/NDF : 1663536.4/43

All: 1757.543+/-0.178 χ^2/NDF : 3029649.1/83

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2630.185 $\pm$ 447.929 χ^2/NDF : 12.8/17

Left Out: 2213.308 $\pm$ 266.921 χ^2/NDF : 14.2/24

Right Out: 1736.975 $\pm$ 397.091 χ^2/NDF : 16.9/20

Left In: 2314.778 $\pm$ 271.873 χ^2/NDF : 31.6/22

Left: 2263.111 $\pm$ 190.469 χ^2/NDF : 45.8/47

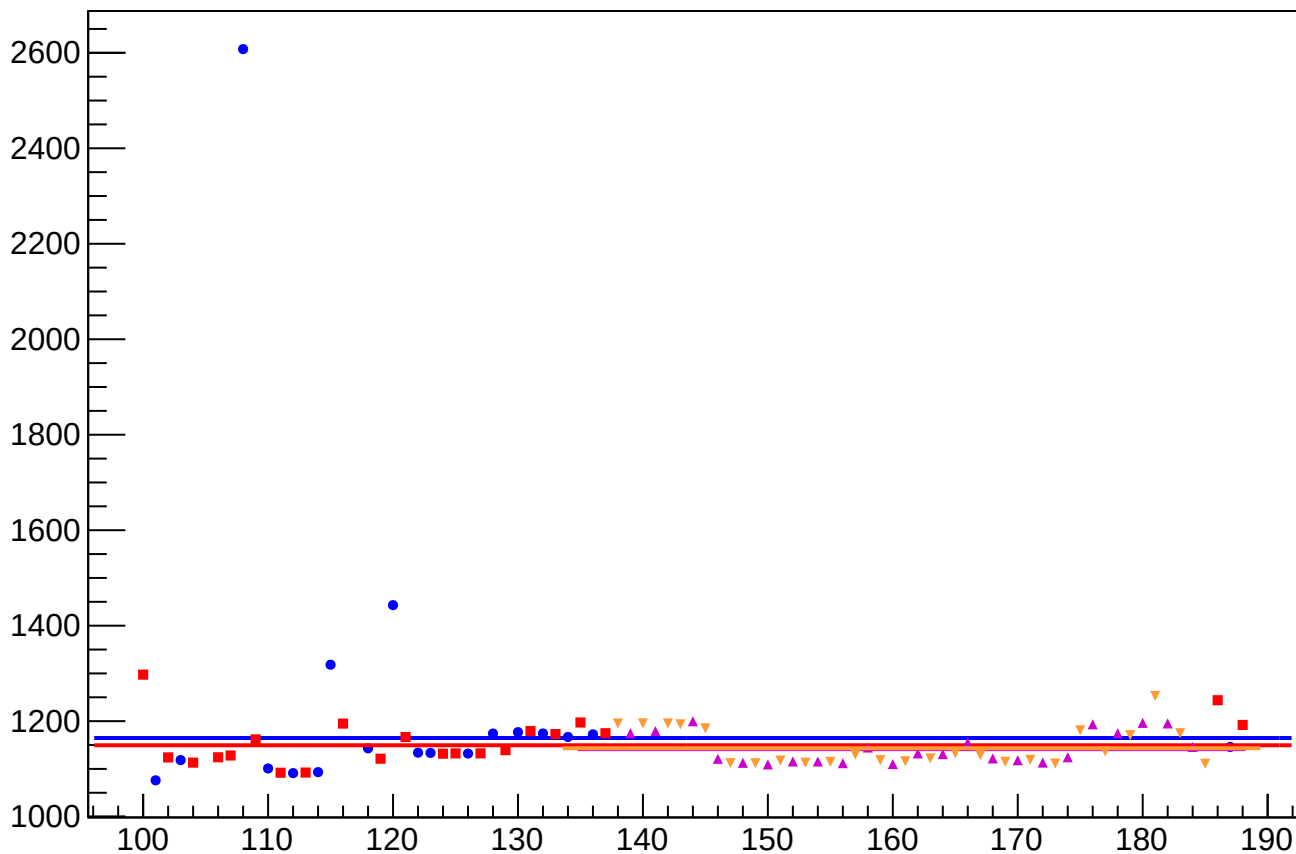
Right: 2130.037 $\pm$ 297.141 χ^2/NDF : 31.9/38

In: 2399.691 $\pm$ 232.413 χ^2/NDF : 44.7/40

Out: 2065.064 $\pm$ 221.526 χ^2/NDF : 32.0/45

All: 2224.356 $\pm$ 160.353 χ^2/NDF : 77.8/86

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1164.704 $\pm$ 0.317 χ^2 /NDF: 278652.5/17

Left Out: 1143.249 $\pm$ 0.189 χ^2 /NDF: 39493.3/24

Right Out: 1149.480 $\pm$ 0.281 χ^2 /NDF: 19841.6/20

Left In: 1141.363 $\pm$ 0.192 χ^2 /NDF: 28014.9/22

Left: 1142.324 $\pm$ 0.135 χ^2 /NDF: 67557.2/47

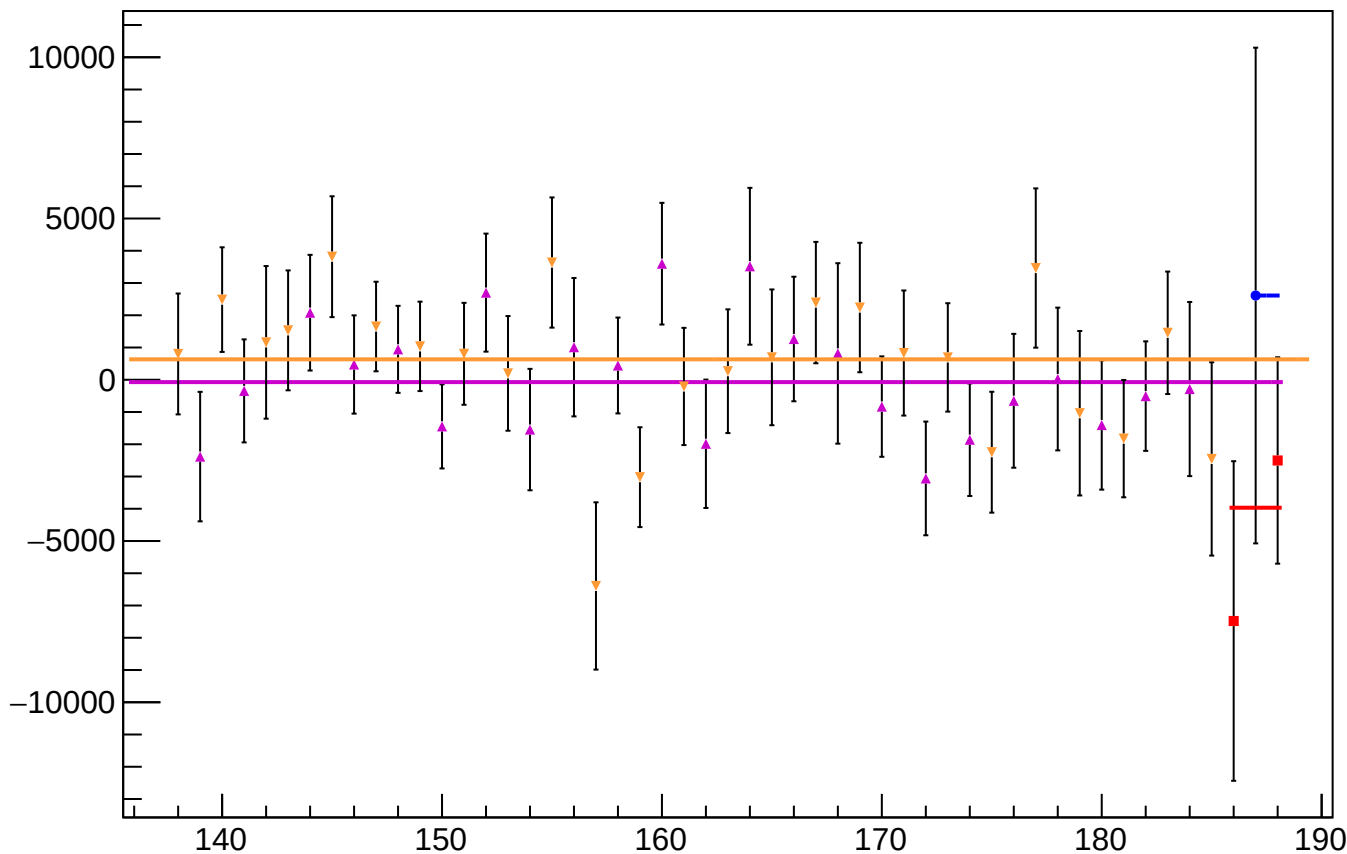
Right: 1156.179 $\pm$ 0.210 χ^2 /NDF: 299787.8/38

In: 1147.647 $\pm$ 0.164 χ^2 /NDF: 310636.1/40

Out: 1145.188 $\pm$ 0.157 χ^2 /NDF: 59674.0/45

All: 1146.359 $\pm$ 0.113 χ^2 /NDF: 370427.3/86

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: 2611.704+/-7685.510 χ^2/NDF : 0.0/0

Left Out: 633.748+/-371.934 χ^2/NDF : 29.3/24

Right Out: -3967.711+/-2688.029 χ^2/NDF : 0.7/1

Left In: -72.962+/-375.277 χ^2/NDF : 20.1/22

Left: 283.555+/-264.171 χ^2/NDF : 51.2/47

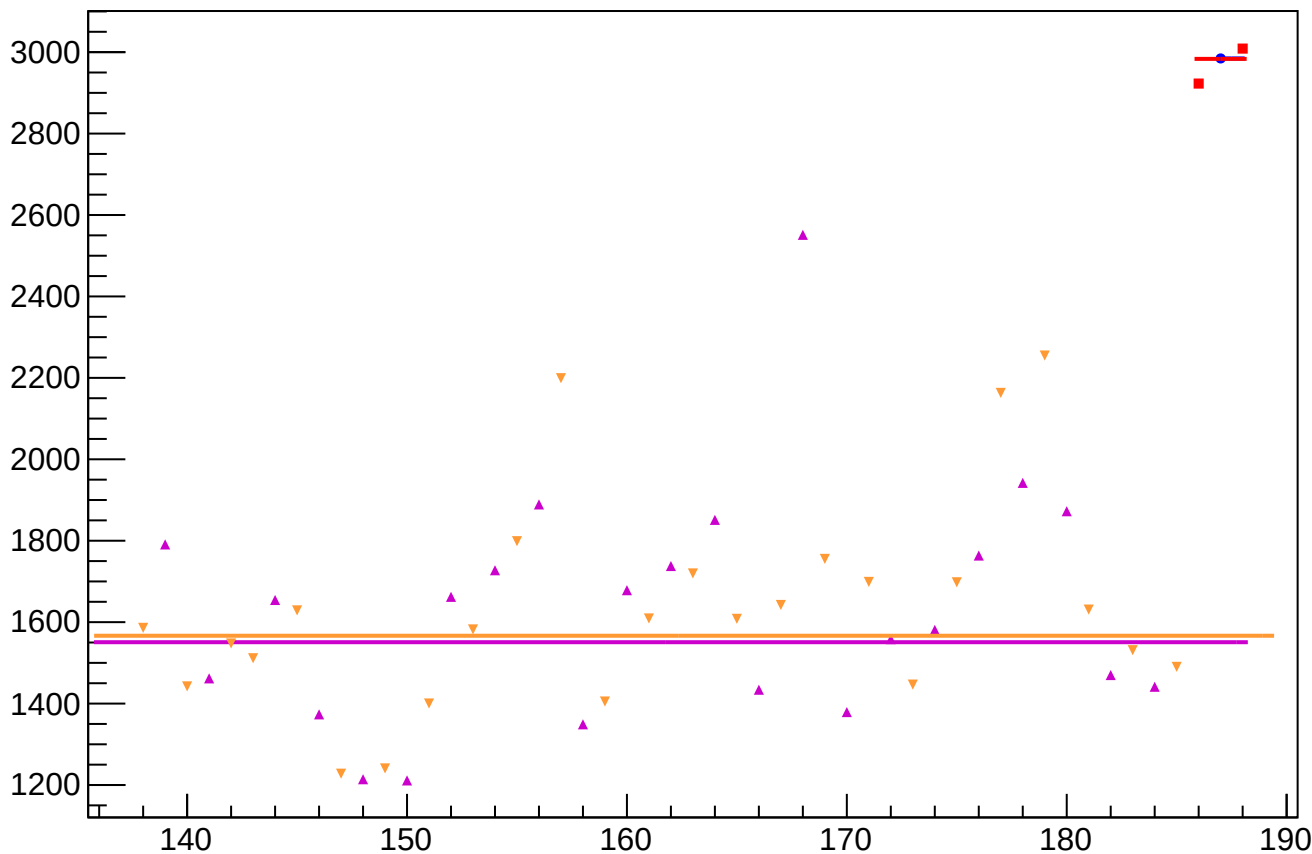
Right: -3250.593+/-2537.314 χ^2/NDF : 1.4/2

In: -66.576+/-374.831 χ^2/NDF : 20.2/23

Out: 547.306+/-368.424 χ^2/NDF : 32.8/26

All: 245.657+/-262.751 χ^2/NDF : 54.4/50

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 2984.539+/-5.434 χ^2/NDF : 0.0/0

Left Out: 1566.626+/-0.263 χ^2/NDF : 766955.2/24

Right Out: 2983.457+/-1.901 χ^2/NDF : 424.2/1

Left In: 1550.750+/-0.265 χ^2/NDF : 928652.8/22

Left: 1558.759+/-0.187 χ^2/NDF : 1697413.8/47

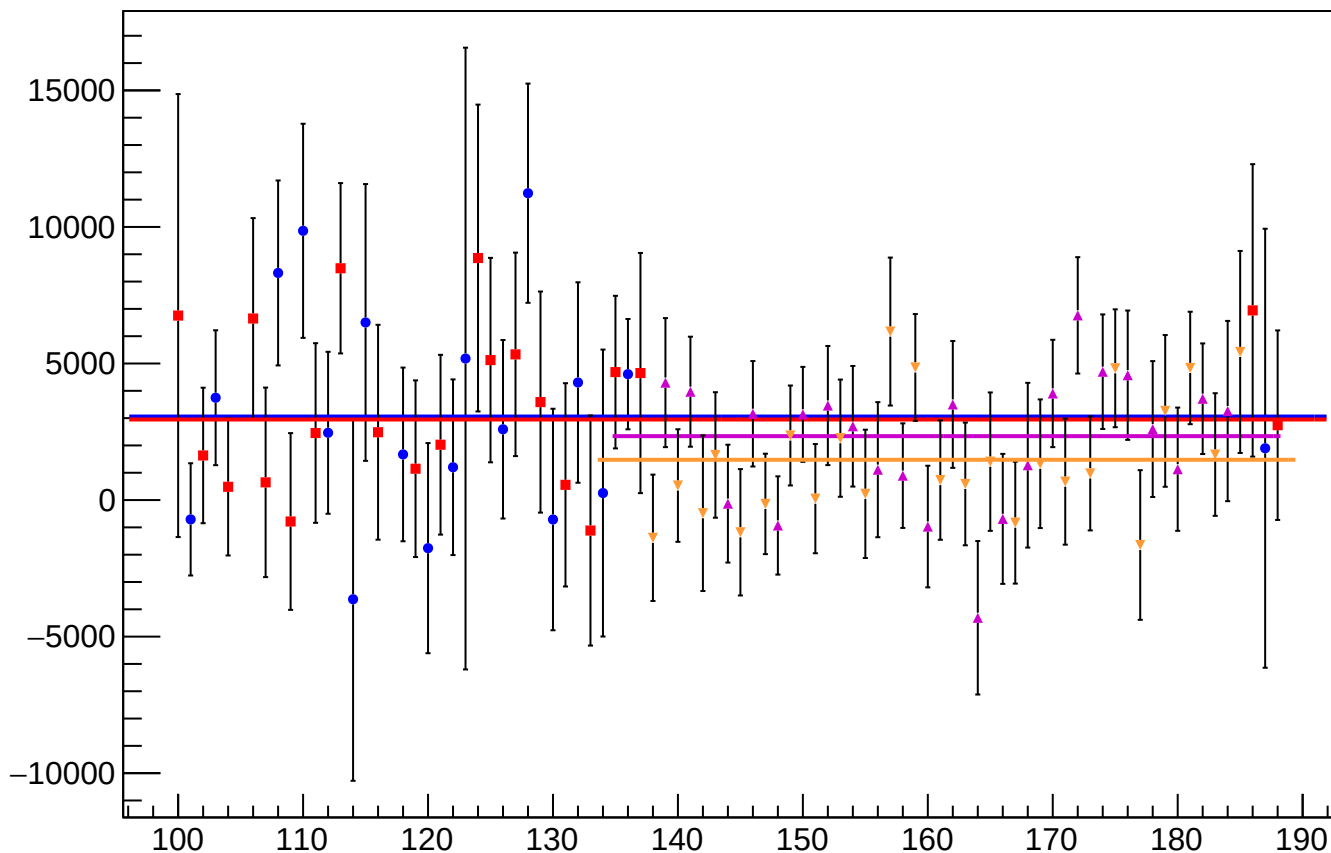
Right: 2983.575+/-1.794 χ^2/NDF : 424.2/2

In: 1554.160+/-0.265 χ^2/NDF : 998094.7/23

Out: 1593.242+/-0.261 χ^2/NDF : 1312587.1/26

All: 1574.038+/-0.186 χ^2/NDF : 2321740.6/50

asym_usr_mean vs Slug, Sign Corrected



Right In: 3058.046 $\pm$ 793.840 χ^2 /NDF: 18.5/17

Left Out: 1475.648 $\pm$ 451.347 χ^2 /NDF:20.9/24

Right Out: 2949.834 $\pm$ 767.249 χ^2 /NDF: 12.1/20

Left In: 2339.905 $\pm$ 457.448 χ^2 /NDF:25.2/22

Left: 1901.975 $\pm$ 321.286 χ^2 /NDF: 47.9/47

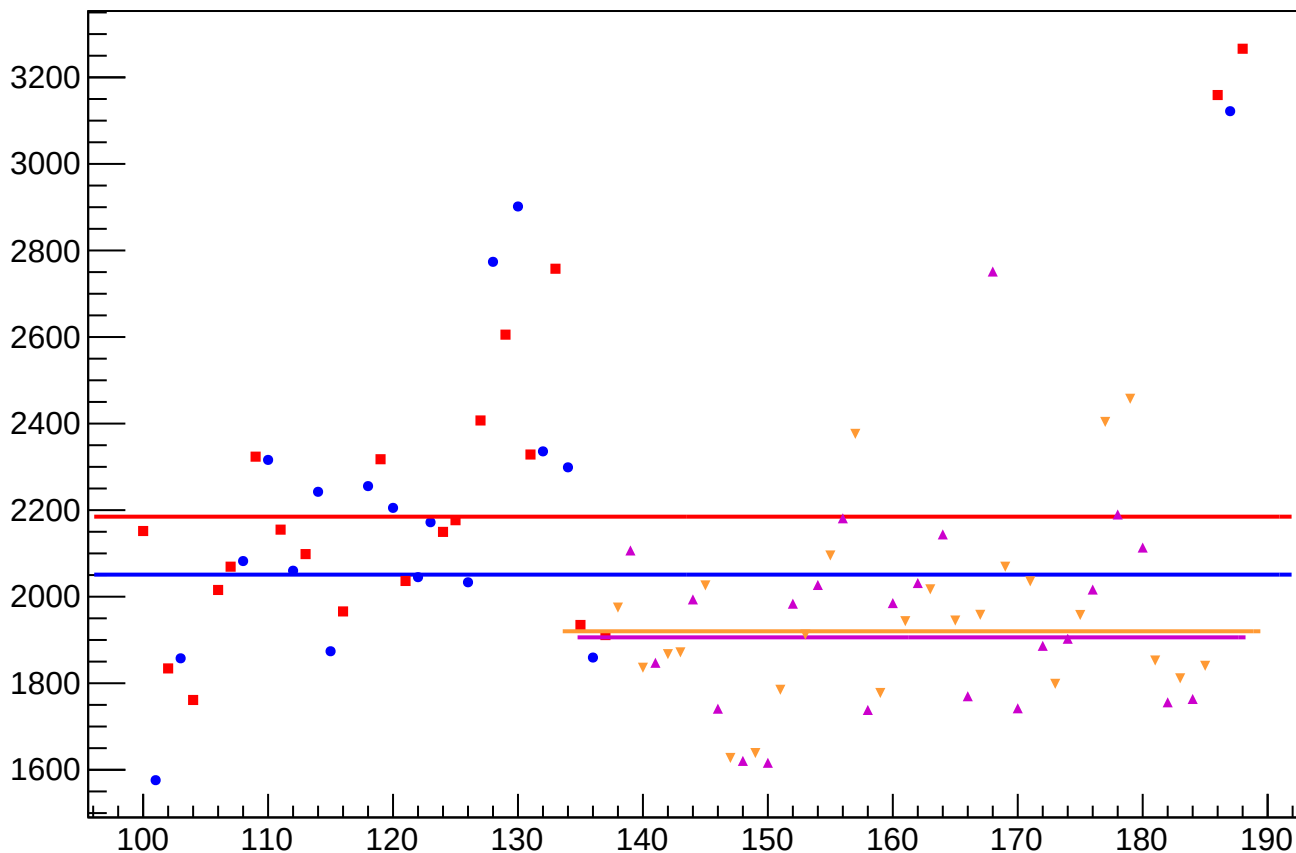
Right: 3002.097 $\pm$ 551.688 χ^2 /NDF: 30.7/38

In: 2518.926 $\pm$ 396.351 χ^2 /NDF:44.3/40

Out: 1854.647 $\pm$ 389.026 χ^2 /NDF:35.8/45

All: 2180.592 $\pm$ 277.637 χ^2 /NDF: 81.6/86

asym_usr_rms vs Slug, Sign Corrected



Right In: 2050.985+/-0.561 χ^2/NDF : 367199.7/17

Left Out: 1920.082+/-0.319 χ^2/NDF : 365919.7/24

Right Out: 2184.921+/-0.543 χ^2/NDF : 475179.8/20

Left In: 1906.043+/-0.323 χ^2/NDF : 451054.7/22

Left: 1913.157+/-0.227 χ^2/NDF : 817929.0/47

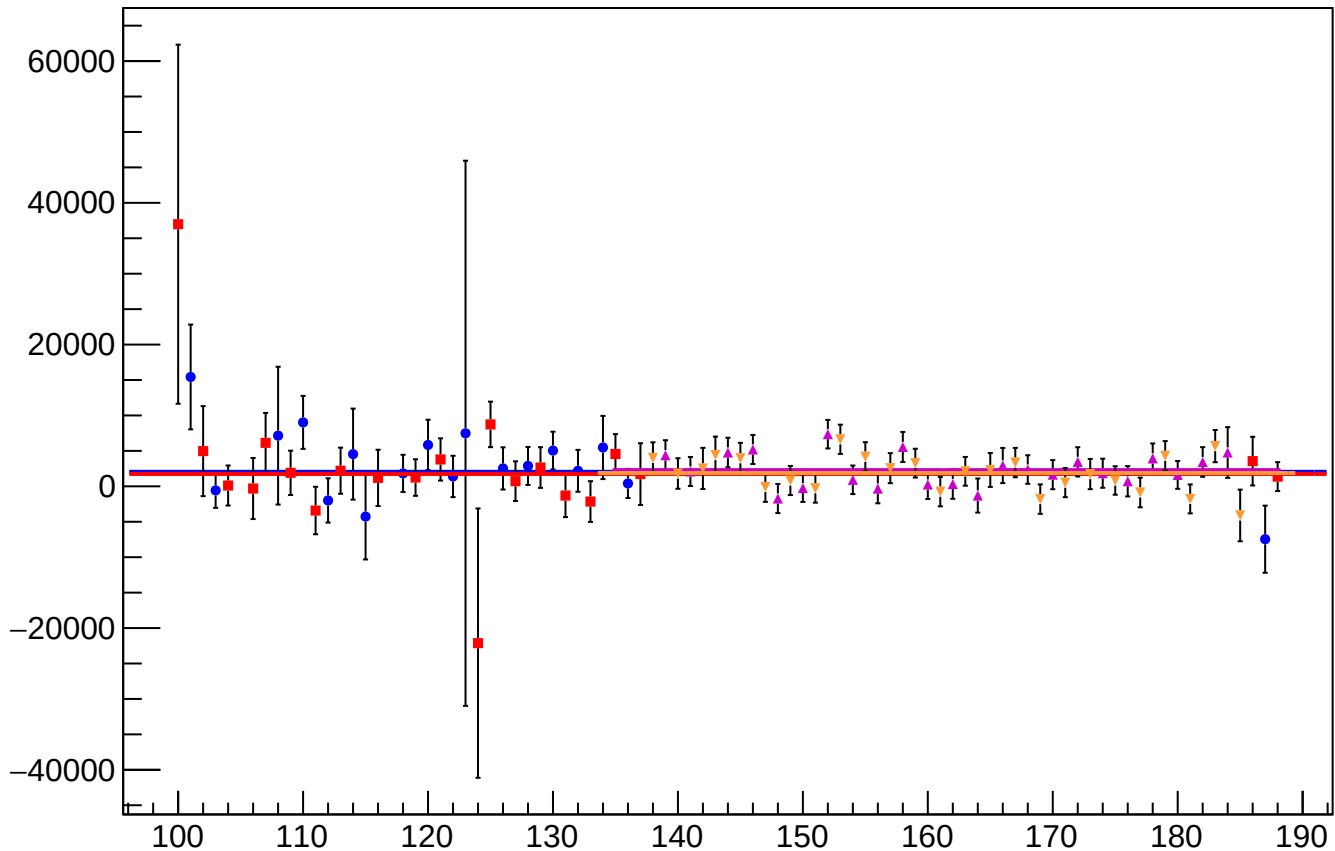
Right: 2120.233+/-0.390 χ^2/NDF : 871815.1/38

In: 1942.174+/-0.280 χ^2/NDF : 868307.1/40

Out: 1988.170+/-0.275 χ^2/NDF : 1018132.9/45

All: 1965.601+/-0.196 χ^2/NDF : 1900158.0/86

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2046.595 $\pm$ 790.199 χ^2 /NDF: 18.9/17

Left Out: 1875.290 $\pm$ 433.245 χ^2 /NDF:30.0/24

Right Out: 1744.603 $\pm$ 714.794 χ^2 /NDF: 17.5/20

Left In: 2286.268 $\pm$ 441.005 χ^2 /NDF:27.3/22

Left: 2077.132 $\pm$ 309.058 χ^2 /NDF: 57.8/47

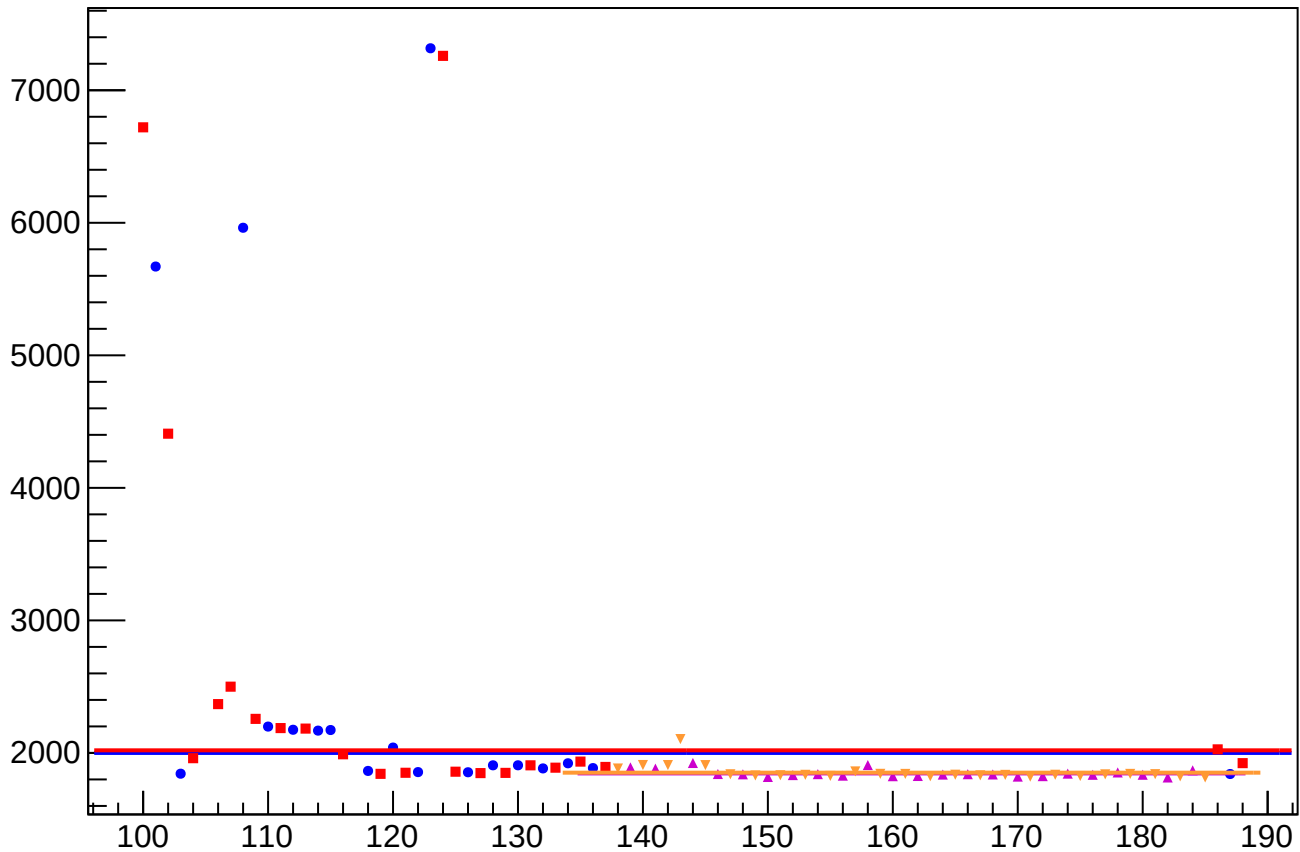
Right: 1880.506 $\pm$ 530.095 χ^2 /NDF: 36.5/38

In: 2229.347 $\pm$ 385.092 χ^2 /NDF:46.4/40

Out: 1840.179 $\pm$ 370.502 χ^2 /NDF:47.5/45

All: 2027.251 $\pm$ 266.993 χ^2 /NDF: 94.4/86

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1999.994+/-0.559 χ^2/NDF : 918334.2/17

Left Out: 1851.066+/-0.306 χ^2/NDF : 26251.6/24

Right Out: 2019.618+/-0.505 χ^2/NDF : 616142.7/20

Left In: 1845.411+/-0.312 χ^2/NDF : 8318.8/22

Left: 1848.289+/-0.219 χ^2/NDF : 34737.7/47

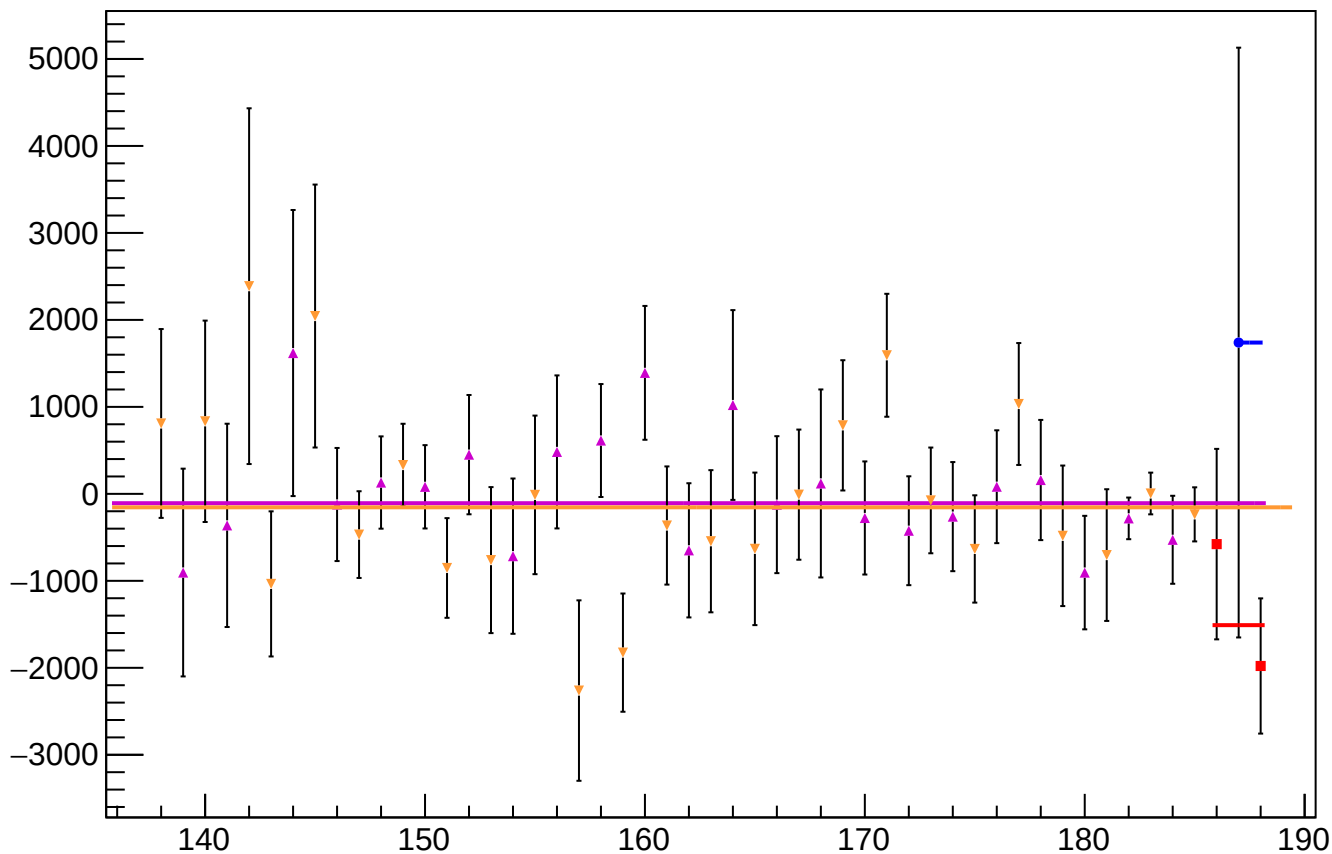
Right: 2010.787+/-0.375 χ^2/NDF : 1535155.3/38

In: 1882.124+/-0.272 χ^2/NDF : 985014.1/40

Out: 1896.351+/-0.262 χ^2/NDF : 723724.4/45

All: 1889.512+/-0.189 χ^2/NDF : 1710156.1/86

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: 1739.451+/-3390.395 χ^2/NDF : 0.0/0

Left Out: -154.845+/-119.654 χ^2/NDF :33.0/24

Right Out: -1509.449+/-633.812 χ^2/NDF : 1.1/1

Left In: -107.387+/-127.580 χ^2/NDF :13.5/22

Left: -132.636+/-87.276 χ^2/NDF : 46.6/47

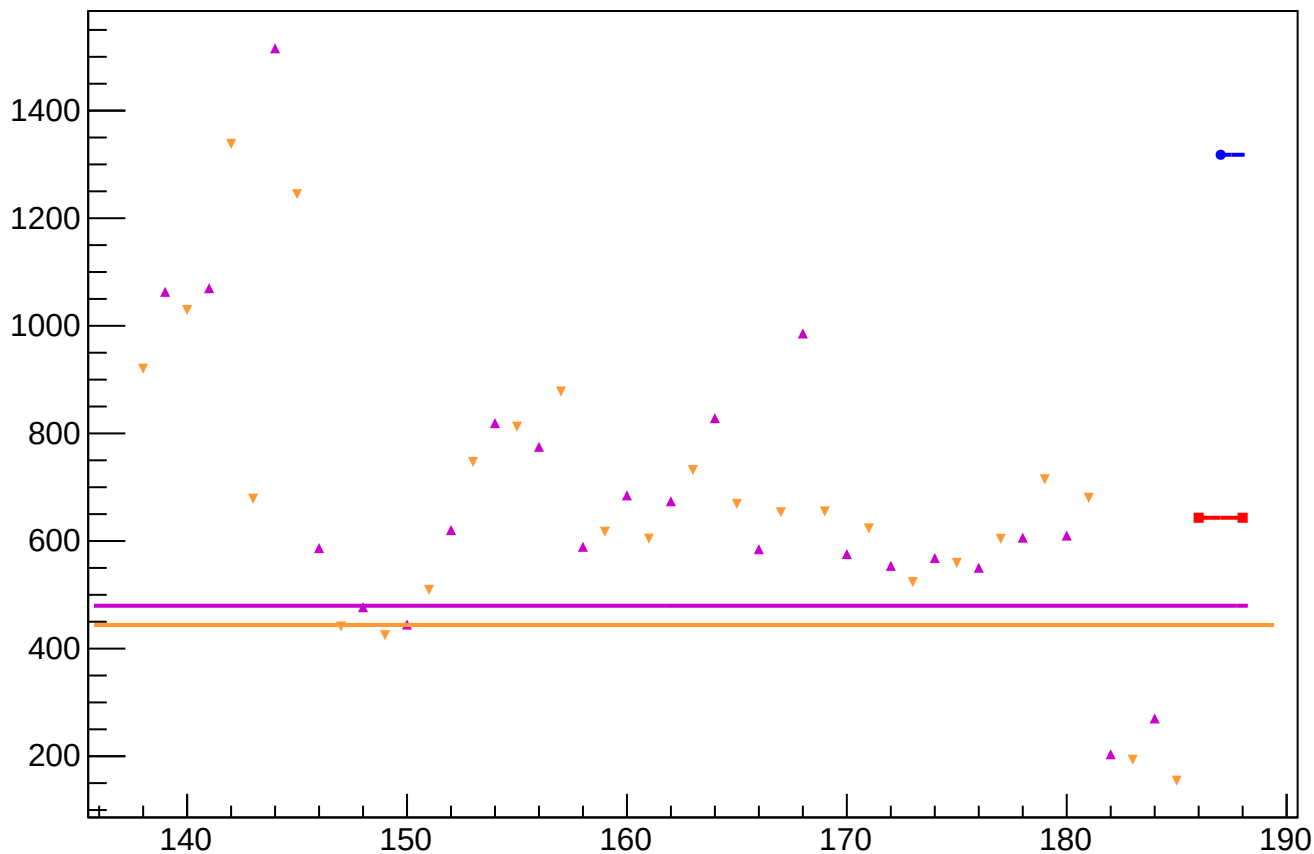
Right: -1399.741+/-623.019 χ^2/NDF : 2.0/2

In: -104.776+/-127.490 χ^2/NDF :13.8/23

Out: -201.462+/-117.577 χ^2/NDF :38.5/26

All: -157.023+/-86.432 χ^2/NDF : 52.6/50

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 1317.939+/-2.397 χ^2/NDF : 0.0/0

Left Out: 443.961+/-0.085 χ^2/NDF : 8573133.3/24

Right Out: 643.286+/-0.448 χ^2/NDF : 0.0/1

Left In: 479.723+/-0.090 χ^2/NDF : 6734597.7/22

Left: 460.697+/-0.062 χ^2/NDF : 15391334.0/47

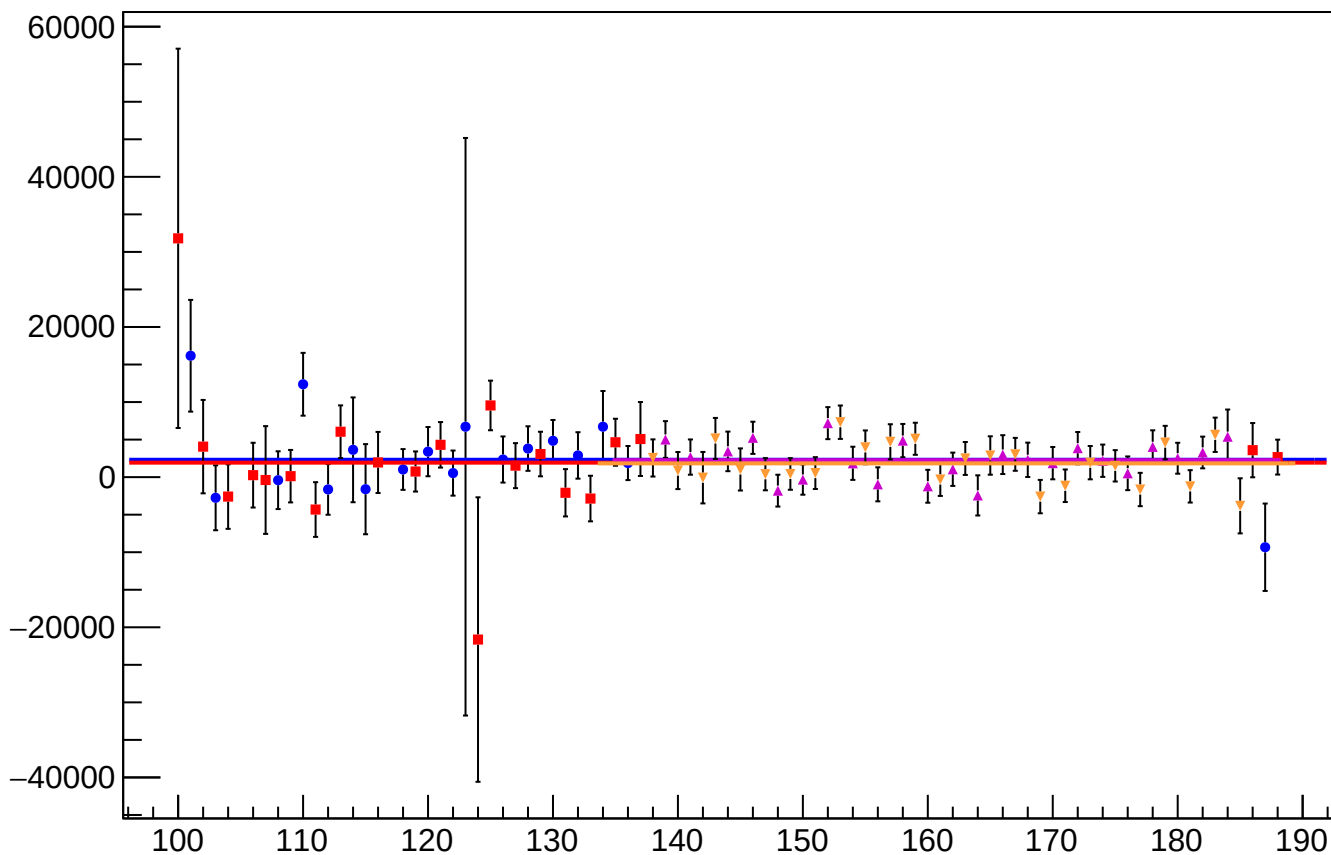
Right: 666.068+/-0.441 χ^2/NDF : 76519.3/2

In: 480.908+/-0.090 χ^2/NDF : 6856672.7/23

Out: 450.821+/-0.083 χ^2/NDF : 8764129.2/26

All: 464.649+/-0.061 χ^2/NDF : 15680994.1/50

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2314.763 $\pm$ 846.979 χ^2 /NDF: 19.7/17

Left Out: 1834.720 $\pm$ 463.777 χ^2 /NDF:32.8/24

Right Out: 1929.799 $\pm$ 781.962 χ^2 /NDF: 20.9/20

Left In: 2260.178 $\pm$ 472.324 χ^2 /NDF:26.3/22

Left: 2043.565 $\pm$ 330.920 χ^2 /NDF: 59.5/47

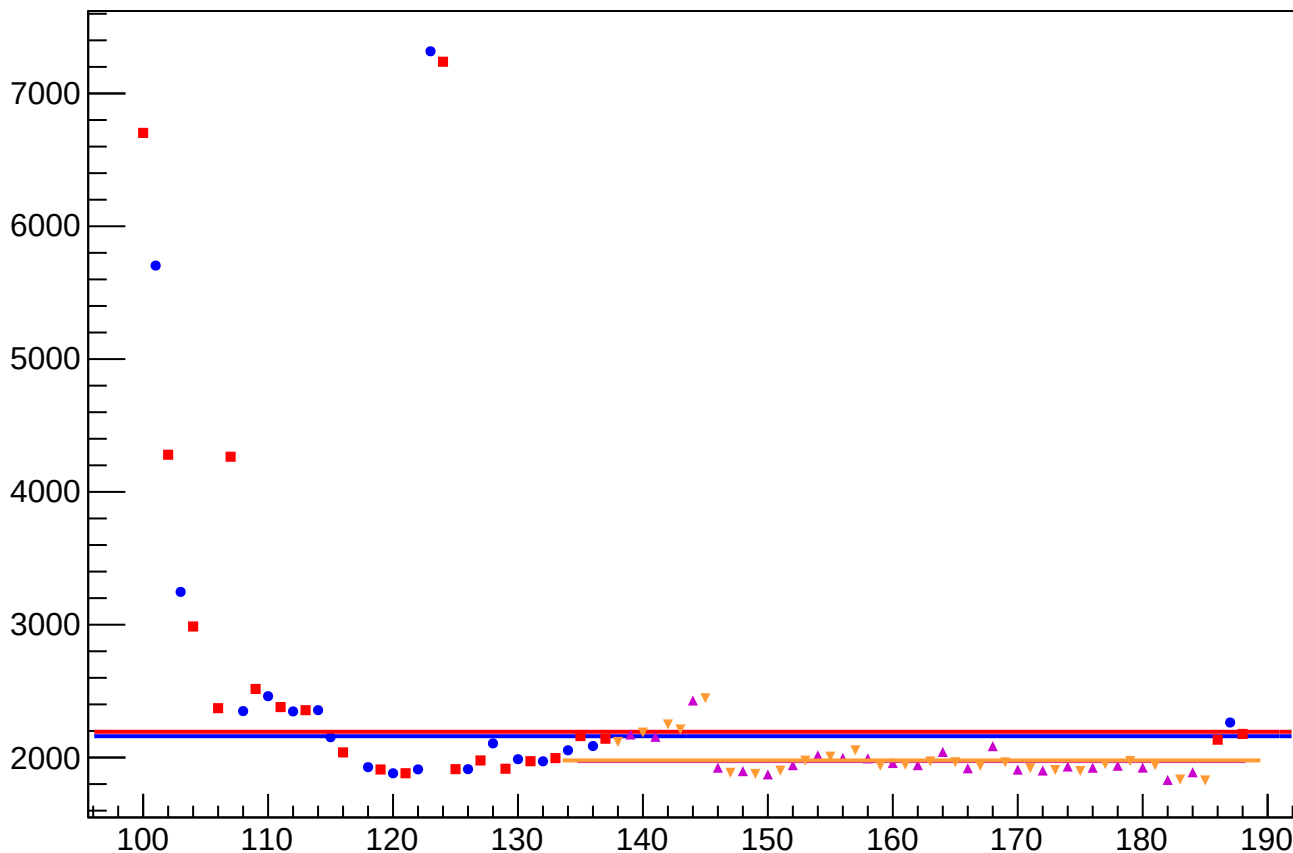
Right: 2106.940 $\pm$ 574.542 χ^2 /NDF: 40.6/38

In: 2273.126 $\pm$ 412.517 χ^2 /NDF:46.0/40

Out: 1859.462 $\pm$ 398.895 χ^2 /NDF:53.7/45

All: 2059.352 $\pm$ 286.756 χ^2 /NDF: 100.2/86

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2160.379+/-0.599 χ^2/NDF : 714503.6/17

Left Out: 1978.045+/-0.328 χ^2/NDF :137699.3/24

Right Out: 2193.824+/-0.553 χ^2/NDF : 803746.4/20

Left In: 1973.216+/-0.334 χ^2/NDF :120479.3/22

Left: 1975.675+/-0.234 χ^2/NDF : 258285.0/47

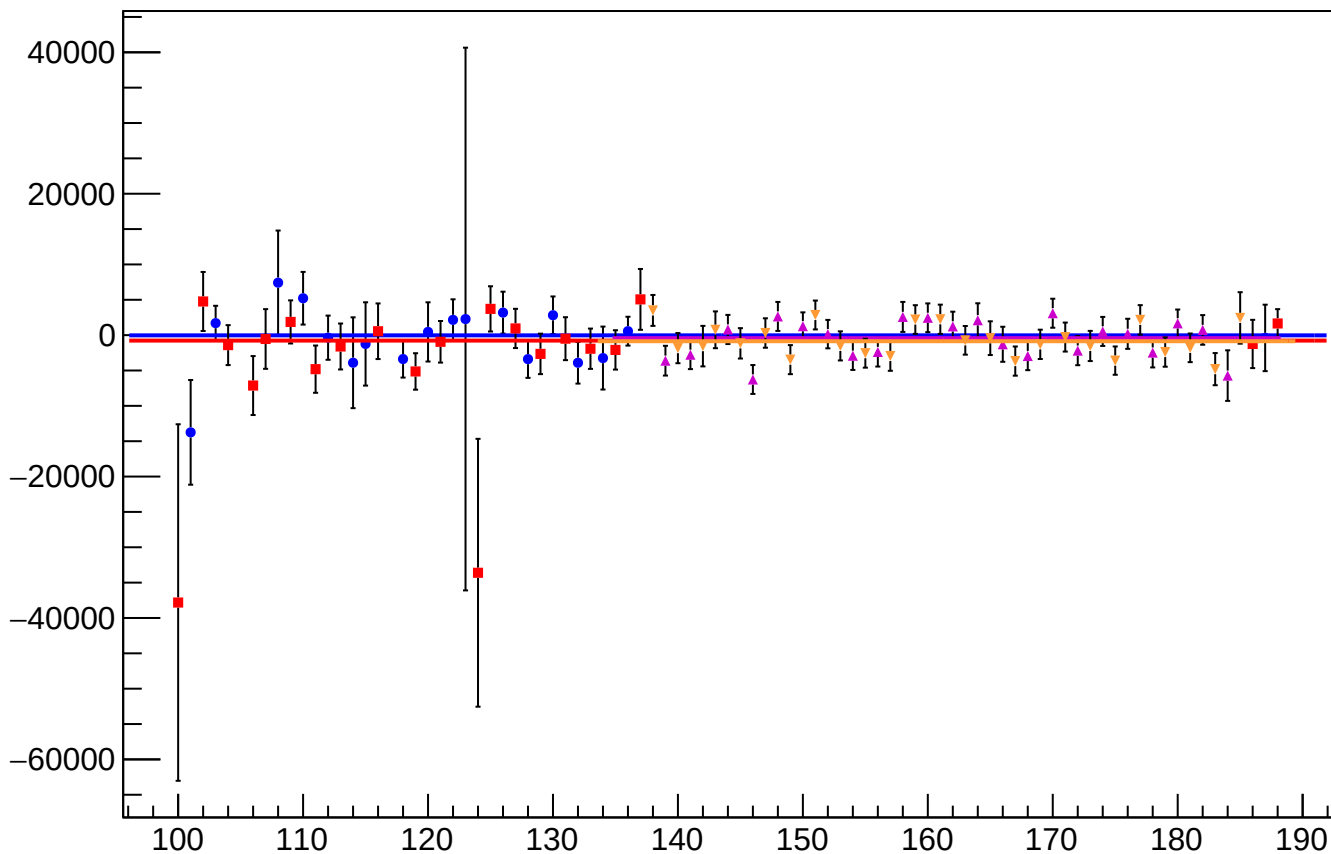
Right: 2178.435+/-0.406 χ^2/NDF : 1519933.5/38

In: 2017.614+/-0.292 χ^2/NDF :909478.0/40

Out: 2034.196+/-0.282 χ^2/NDF :1054108.9/45

All: 2026.183+/-0.203 χ^2/NDF : 1965257.0/86

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -28.838 ± 790.000 $\chi^2/\text{NDF}: 15.9/17$

Left Out: -858.637 ± 431.465 $\chi^2/\text{NDF}: 26.9/24$

Right Out: -770.588 ± 704.094 $\chi^2/\text{NDF}: 21.0/20$

Left In: -427.682 ± 439.561 $\chi^2/\text{NDF}: 33.7/22$

Left: -647.165 ± 307.914 $\chi^2/\text{NDF}: 61.1/47$

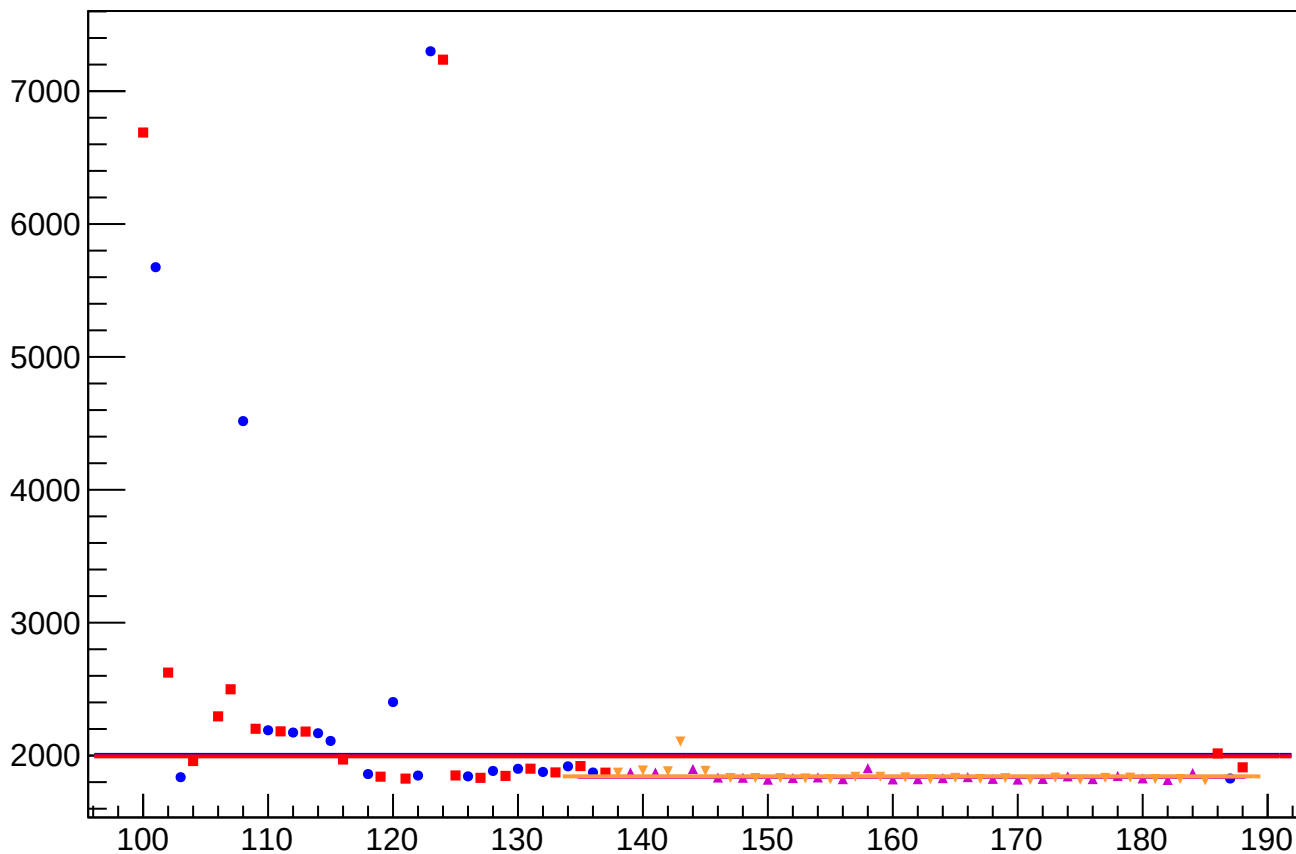
Right: -442.221 ± 525.628 $\chi^2/\text{NDF}: 37.4/38$

In: -333.395 ± 384.107 $\chi^2/\text{NDF}: 49.7/40$

Out: -834.600 ± 367.886 $\chi^2/\text{NDF}: 47.9/45$

All: -594.804 ± 265.684 $\chi^2/\text{NDF}: 98.5/86$

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2005.102 $\pm$ 0.559 χ^2 /NDF: 842692.7/17

Left Out: 1843.534 $\pm$ 0.305 χ^2 /NDF:24974.2/24

Right Out: 1994.081 $\pm$ 0.498 χ^2 /NDF: 371316.7/20

Left In: 1839.431 $\pm$ 0.311 χ^2 /NDF:6418.5/22

Left: 1841.521 $\pm$ 0.218 χ^2 /NDF: 31481.4/47

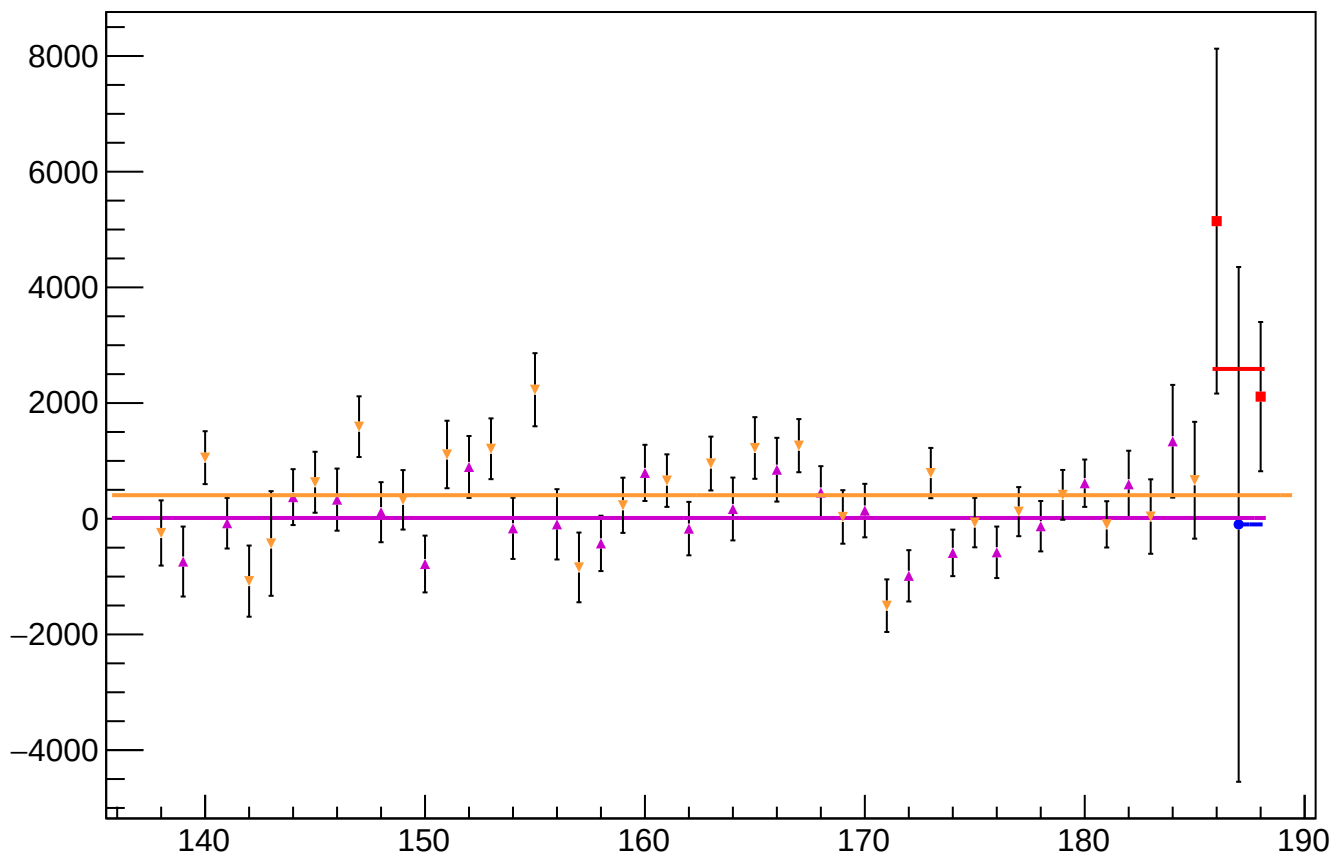
Right: 1998.960 $\pm$ 0.372 χ^2 /NDF: 1214226.3/38

In: 1878.596 $\pm$ 0.272 χ^2 /NDF:916274.5/40

Out: 1884.634 $\pm$ 0.260 χ^2 /NDF:462764.7/45

All: 1881.745 $\pm$ 0.188 χ^2 /NDF: 1379296.9/86

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: -97.837 $\pm$ 4449.956 χ^2 /NDF: 0.0/0

Left Out: 407.320 $\pm$ 101.221 χ^2 /NDF:62.1/24

Right Out: 2589.751 $\pm$ 1183.924 χ^2 /NDF: 0.9/1

Left In: 13.395 $\pm$ 102.912 χ^2 /NDF:29.2/22

Left: 213.621 $\pm$ 72.165 χ^2 /NDF: 98.8/47

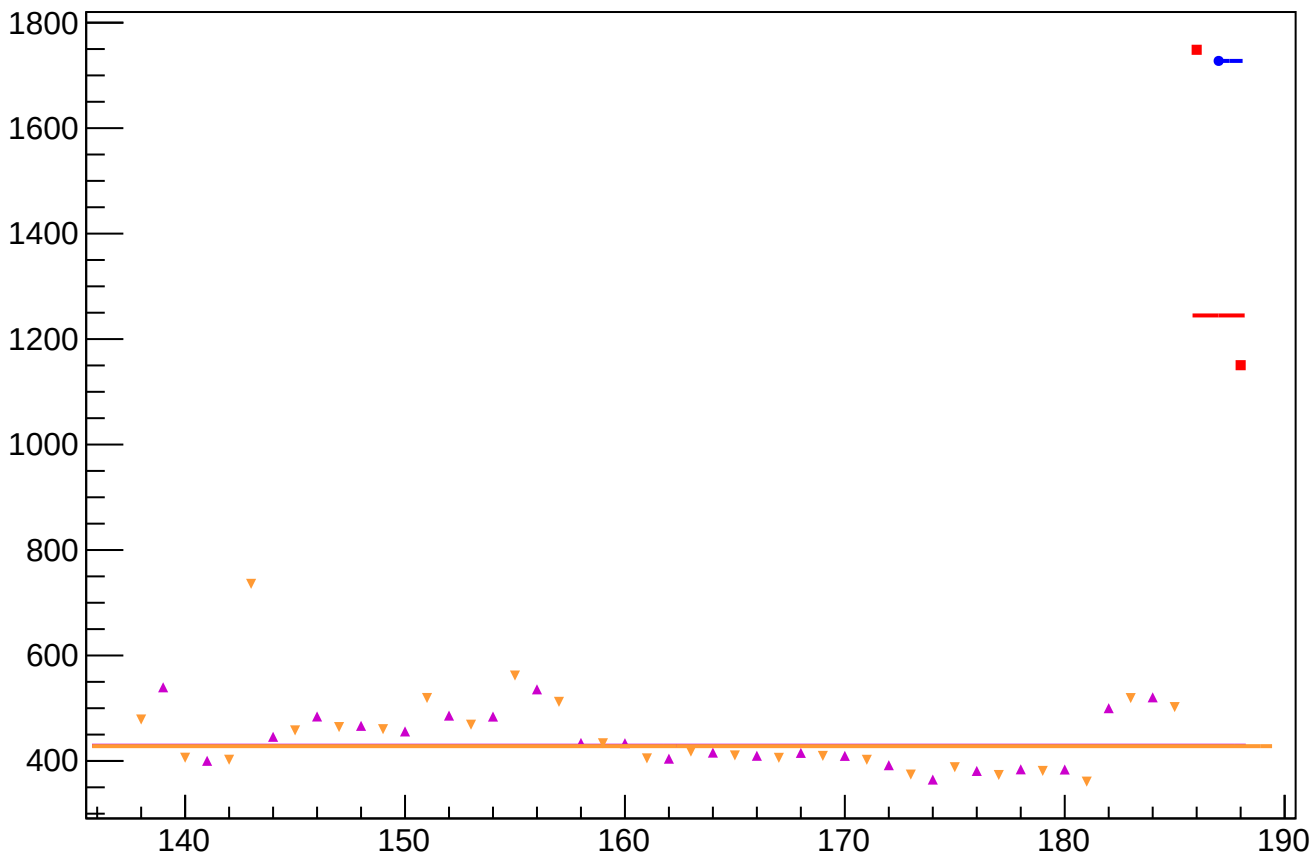
Right: 2412.088 $\pm$ 1144.124 χ^2 /NDF: 1.2/2

In: 13.335 $\pm$ 102.885 χ^2 /NDF:29.2/23

Out: 423.157 $\pm$ 100.853 χ^2 /NDF:66.4/26

All: 222.332 $\pm$ 72.022 χ^2 /NDF: 103.7/50

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 1727.493+/-3.147 χ^2/NDF : 0.0/0

Left Out: 428.052+/-0.072 χ^2/NDF : 704731.3/24

Right Out: 1244.808+/-0.837 χ^2/NDF : 67803.2/1

Left In: 428.926+/-0.073 χ^2/NDF : 418755.3/22

Left: 428.482+/-0.051 χ^2/NDF : 1123560.0/47

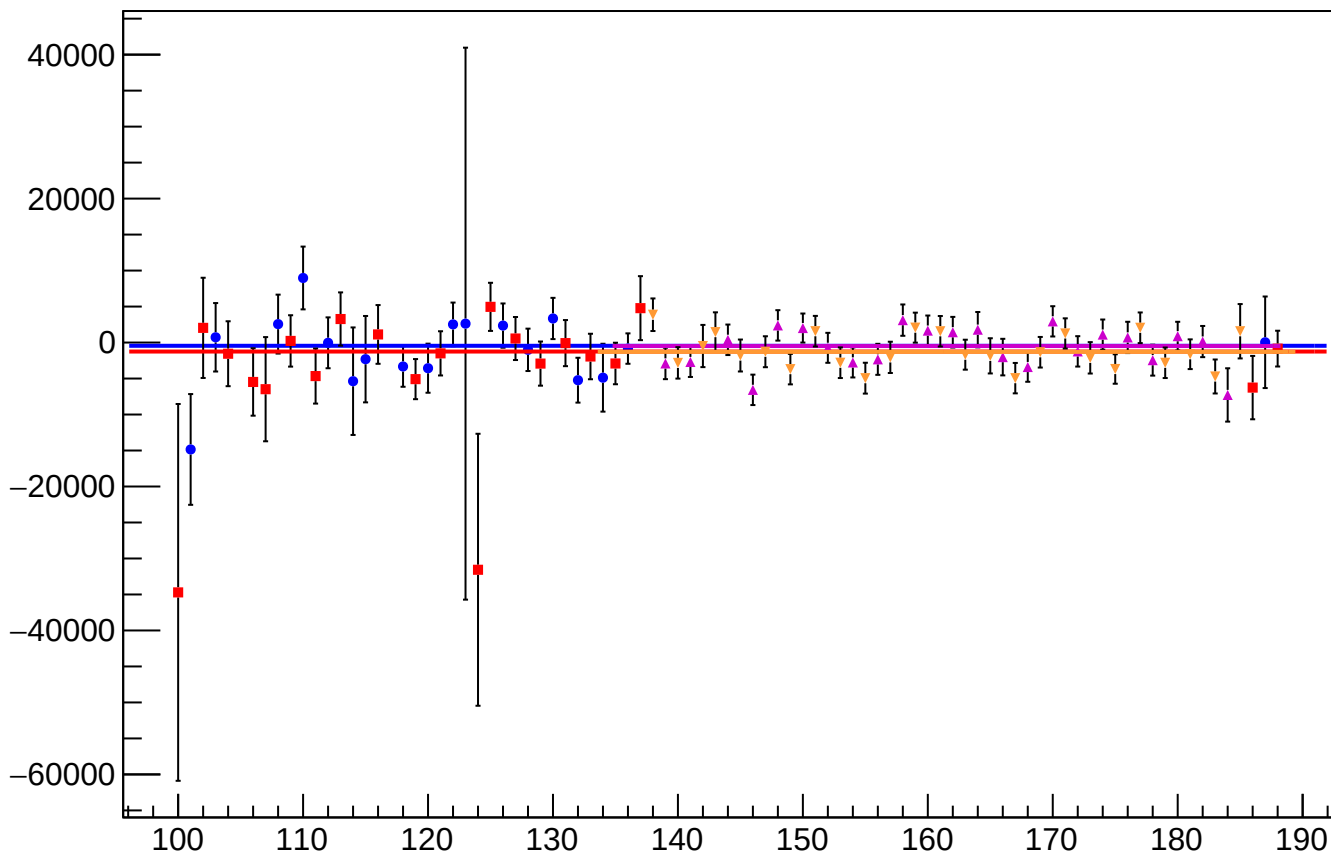
Right: 1276.716+/-0.809 χ^2/NDF : 89779.0/2

In: 429.621+/-0.073 χ^2/NDF : 588976.8/23

Out: 433.979+/-0.071 χ^2/NDF : 1717473.4/26

All: 431.843+/-0.051 χ^2/NDF : 2308280.4/50

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -449.325+/-857.257 χ^2/NDF : 18.1/17

Left Out: -1294.152+/-444.151 χ^2/NDF : 29.6/24

Right Out: -1249.284+/-804.958 χ^2/NDF : 18.3/20

Left In: -485.827+/-452.020 χ^2/NDF : 32.4/22

Left: -897.086+/-316.808 χ^2/NDF : 63.7/47

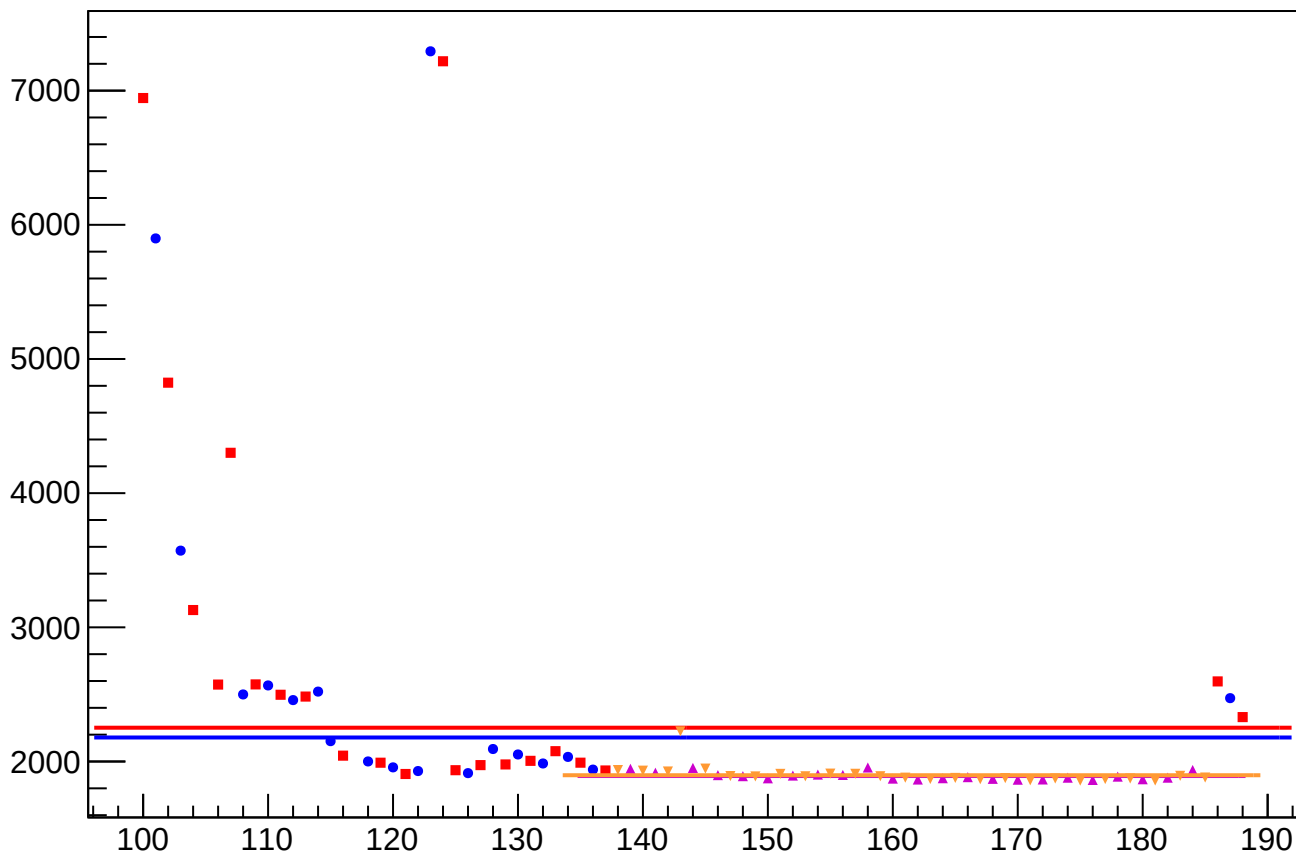
Right: -874.449+/-586.810 χ^2/NDF : 36.8/38

In: -477.886+/-399.841 χ^2/NDF : 50.5/40

Out: -1283.680+/-388.882 χ^2/NDF : 47.9/45

All: -891.977+/-278.775 χ^2/NDF : 100.4/86

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2178.956+/-0.606 χ^2/NDF : 809692.6/17

Left Out: 1897.670+/-0.314 χ^2/NDF : 35089.1/24

Right Out: 2251.908+/-0.569 χ^2/NDF : 911585.7/20

Left In: 1891.722+/-0.320 χ^2/NDF : 7584.2/22

Left: 1894.748+/-0.224 χ^2/NDF : 42849.4/47

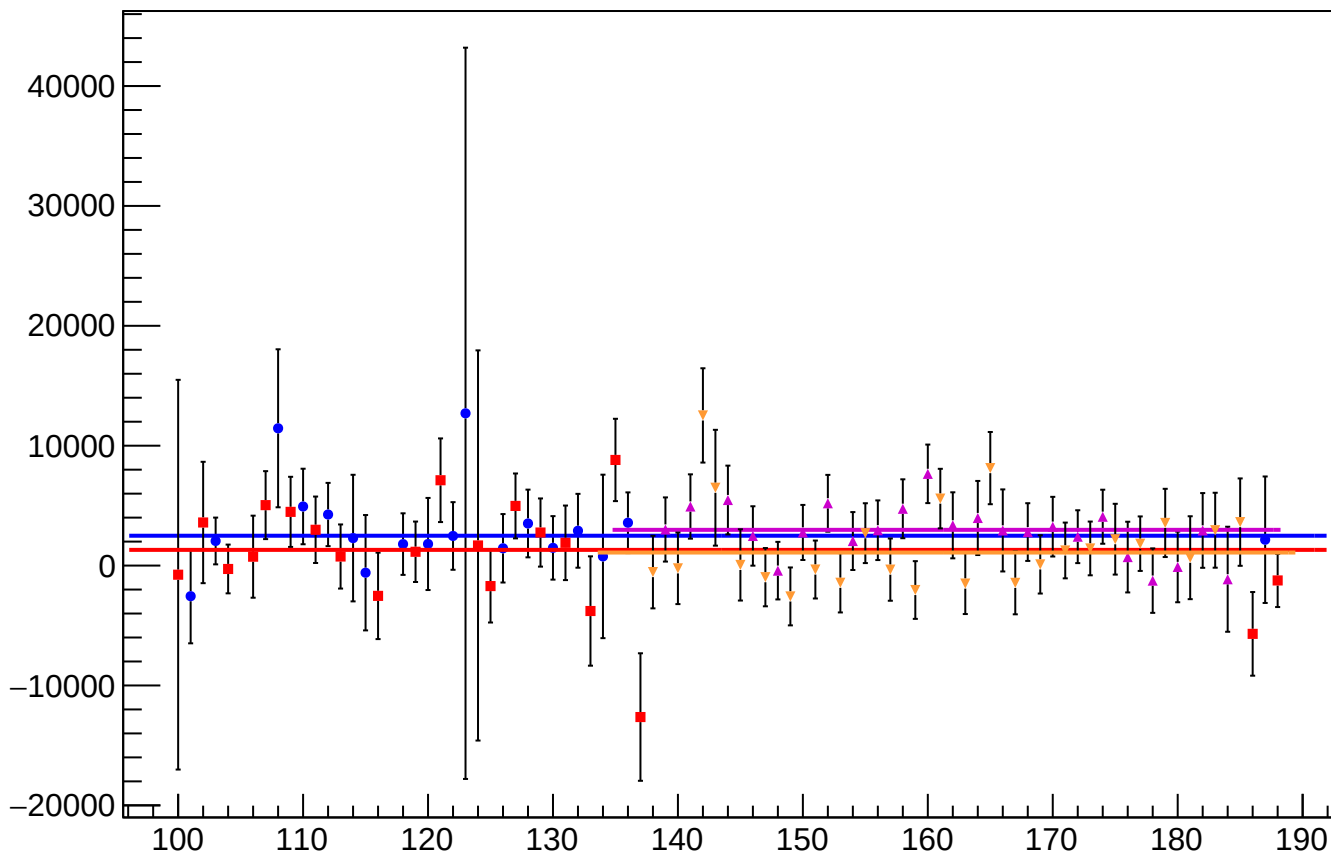
Right: 2217.725+/-0.415 χ^2/NDF : 1728975.7/38

In: 1954.209+/-0.283 χ^2/NDF : 992962.5/40

Out: 1980.347+/-0.275 χ^2/NDF : 1243601.9/45

All: 1967.641+/-0.197 χ^2/NDF : 2240956.5/86

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2489.540+/-760.274 χ^2/NDF : 5.9/17

Left Out: 1087.902+/-540.984 χ^2/NDF : 29.9/24

Right Out: 1309.516+/-685.627 χ^2/NDF : 29.5/20

Left In: 2981.160+/-546.107 χ^2/NDF : 14.0/22

Left: 2025.608+/-384.332 χ^2/NDF : 50.0/47

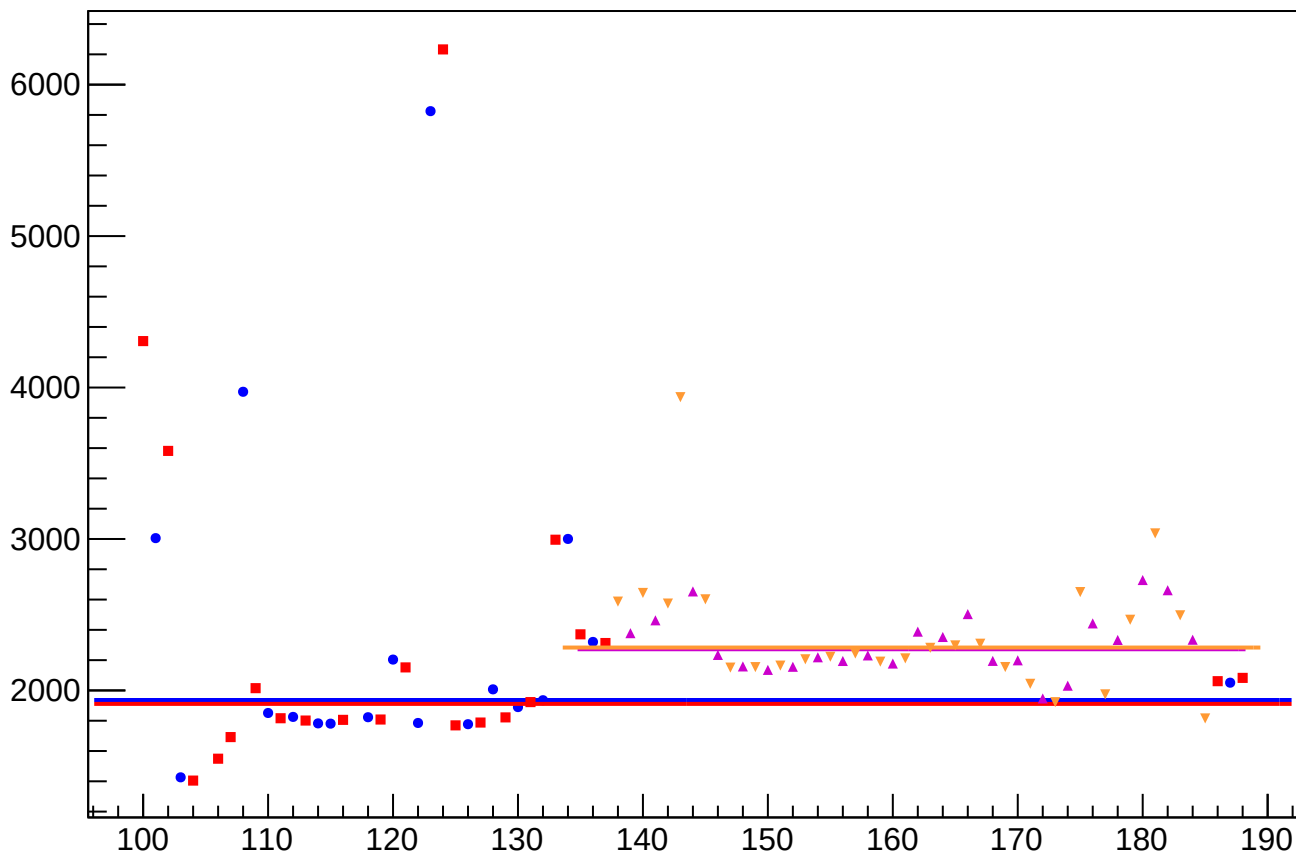
Right: 1838.769+/-509.162 χ^2/NDF : 36.7/38

In: 2813.836+/-443.541 χ^2/NDF : 20.2/40

Out: 1172.934+/-424.699 χ^2/NDF : 59.4/45

All: 1957.792+/-306.753 χ^2/NDF : 86.8/86

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1936.830+/-0.538 χ^2/NDF : 639880.1/17

Left Out: 2283.204+/-0.383 χ^2/NDF : 634430.6/24

Right Out: 1911.157+/-0.485 χ^2/NDF : 770182.9/20

Left In: 2271.946+/-0.386 χ^2/NDF : 243546.3/22

Left: 2277.628+/-0.272 χ^2/NDF : 878405.9/47

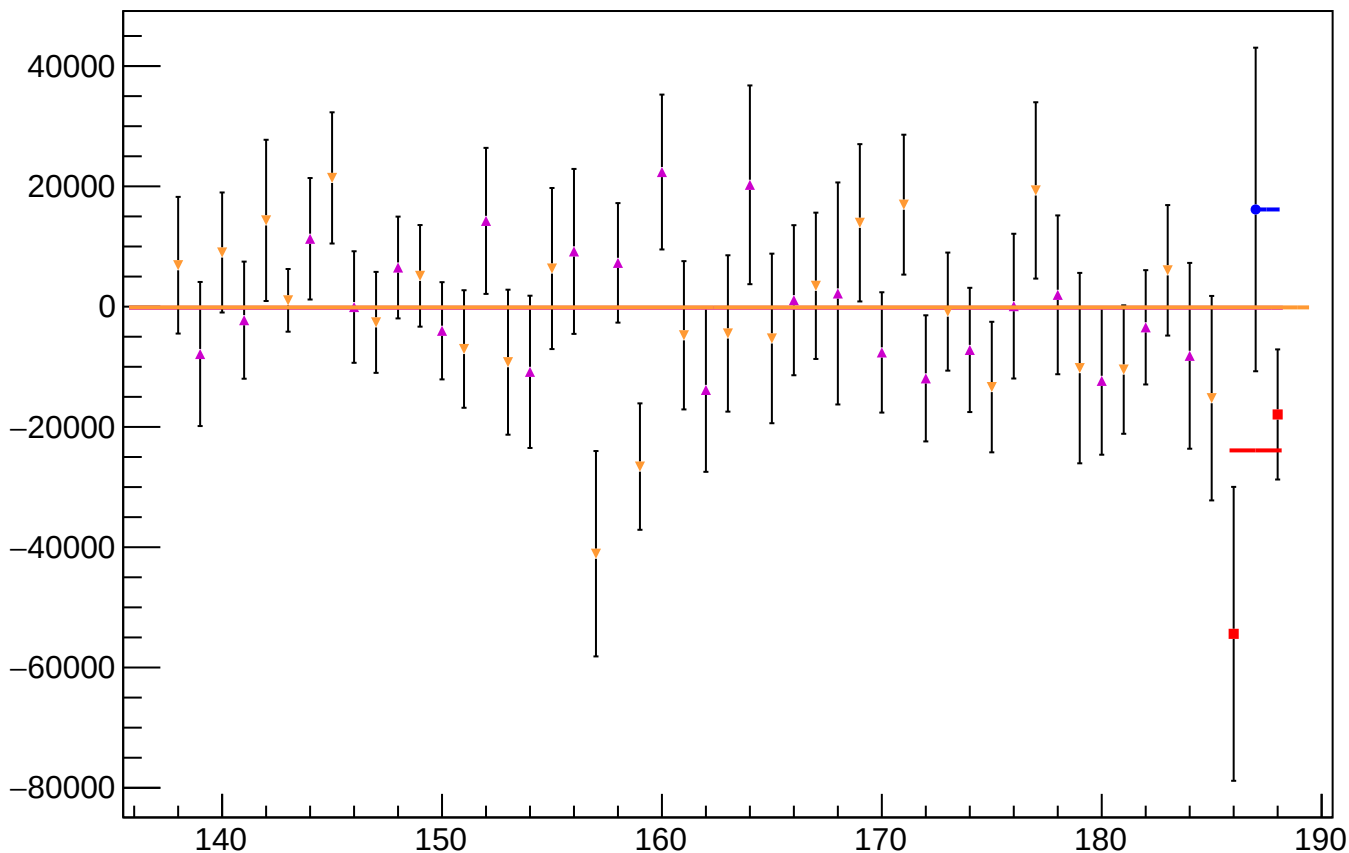
Right: 1922.669+/-0.360 χ^2/NDF : 1411320.9/38

In: 2157.888+/-0.314 χ^2/NDF : 1139753.2/40

Out: 2140.423+/-0.300 χ^2/NDF : 1767634.4/45

All: 2148.776+/-0.217 χ^2/NDF : 2909005.4/86

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: 16157.209 $\pm$ 26900.846 χ^2 /NDF: 0.0/0

Left Out: -124.370 $\pm$ 2141.976 χ^2 /NDF:29.7/24

Right Out: -23902.931 $\pm$ 9891.186 χ^2 /NDF: 1.9/1

Left In: -185.013 $\pm$ 2330.398 χ^2 /NDF:15.0/22

Left: -152.141 $\pm$ 1577.017 χ^2 /NDF: 44.7/47

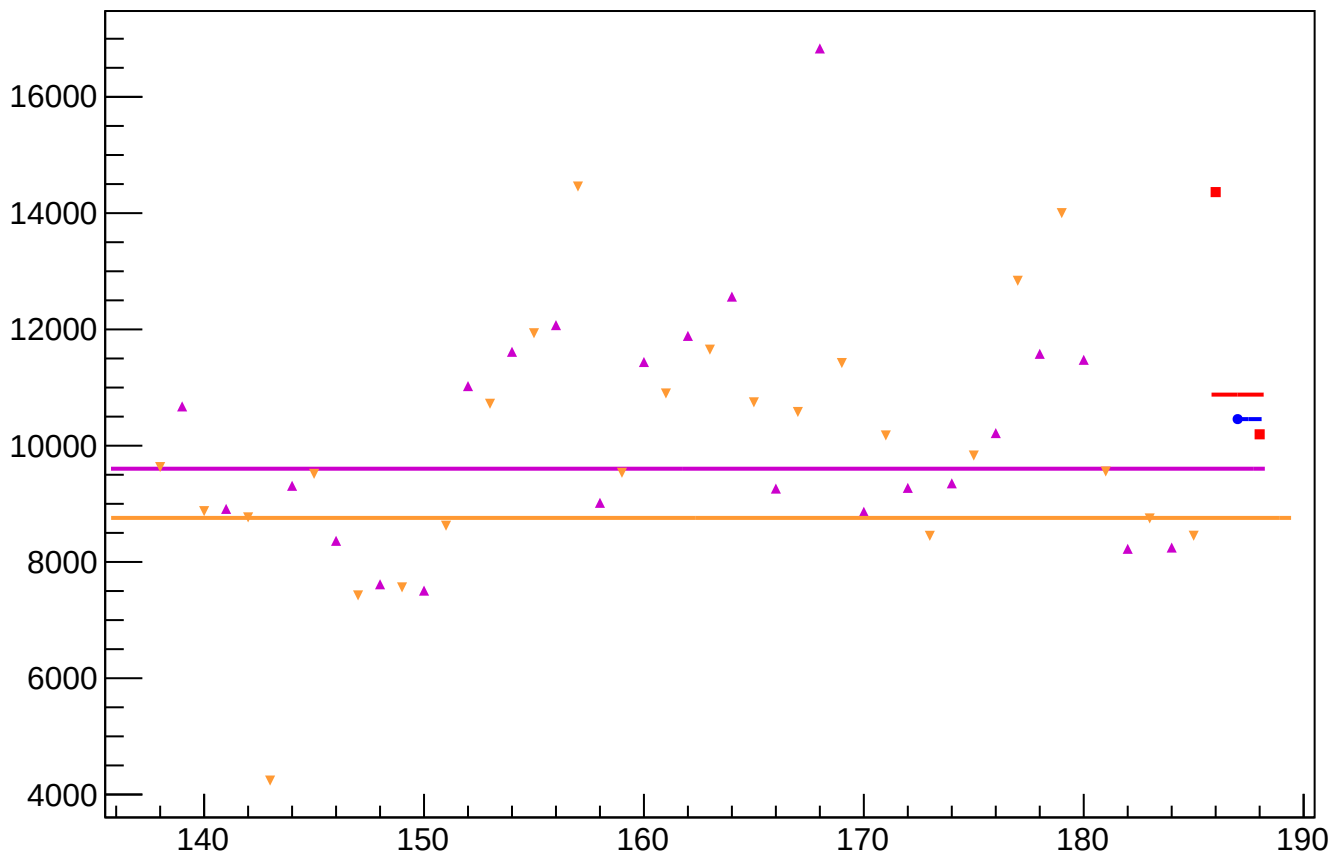
Right: -19131.965 $\pm$ 9283.524 χ^2 /NDF: 3.8/2

In: -63.284 $\pm$ 2321.702 χ^2 /NDF:15.4/23

Out: -1189.530 $\pm$ 2093.452 χ^2 /NDF:37.1/26

All: -684.475 $\pm$ 1554.745 χ^2 /NDF: 52.6/50

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 10457.212 $\pm$ 19.022 χ^2/NDF : 0.0/0

Left Out: 8757.819 $\pm$ 1.515 χ^2/NDF : 2779104.9/24

Right Out: 10878.442 $\pm$ 6.994 χ^2/NDF : 48621.5/1

Left In: 9604.027 $\pm$ 1.648 χ^2/NDF : 1095805.7/22

Left: 9145.335 $\pm$ 1.115 χ^2/NDF : 4017855.5/47

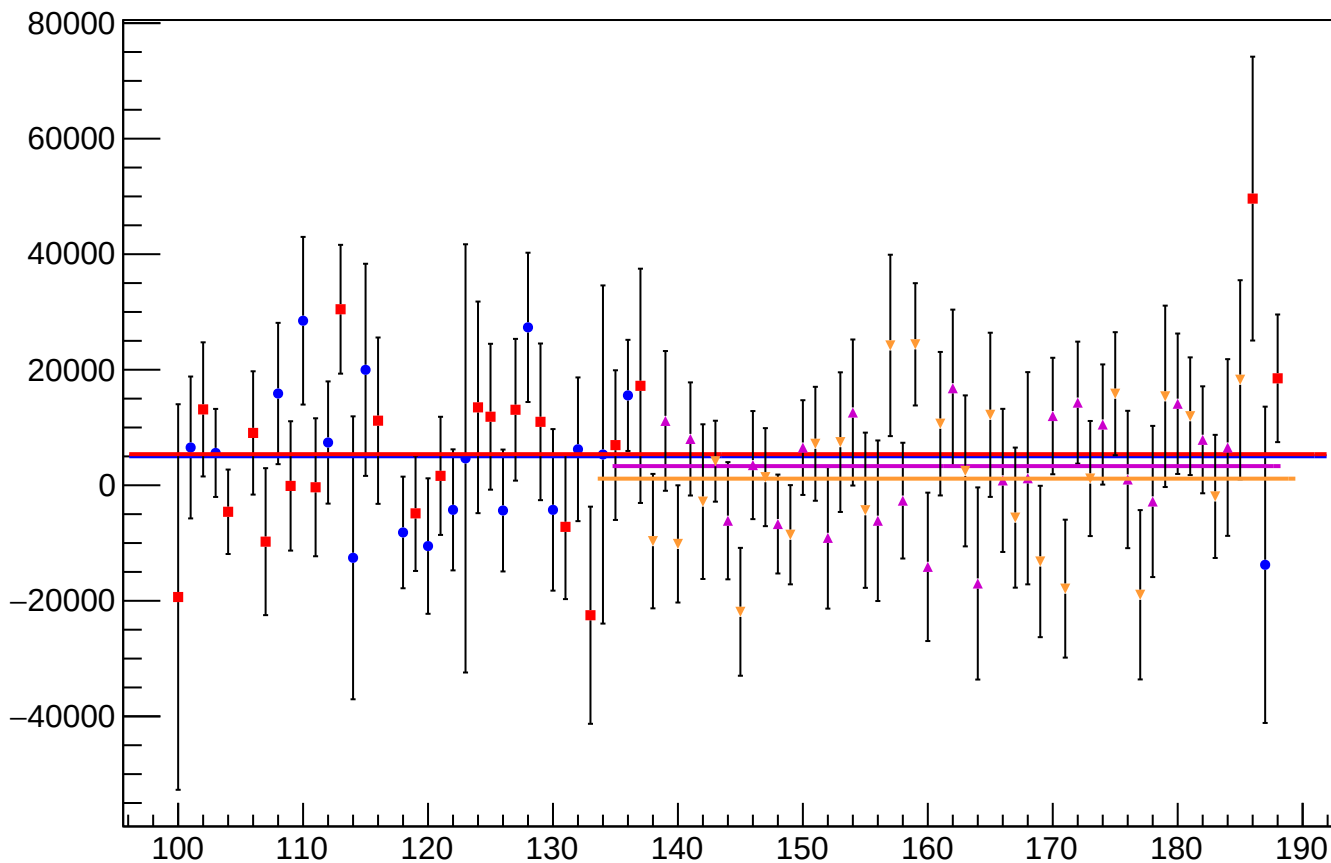
Right: 10828.276 $\pm$ 6.564 χ^2/NDF : 49053.5/2

In: 9610.382 $\pm$ 1.642 χ^2/NDF : 1097802.5/23

Out: 8852.812 $\pm$ 1.480 χ^2/NDF : 2915539.1/26

All: 9192.537 $\pm$ 1.099 χ^2/NDF : 4130792.2/50

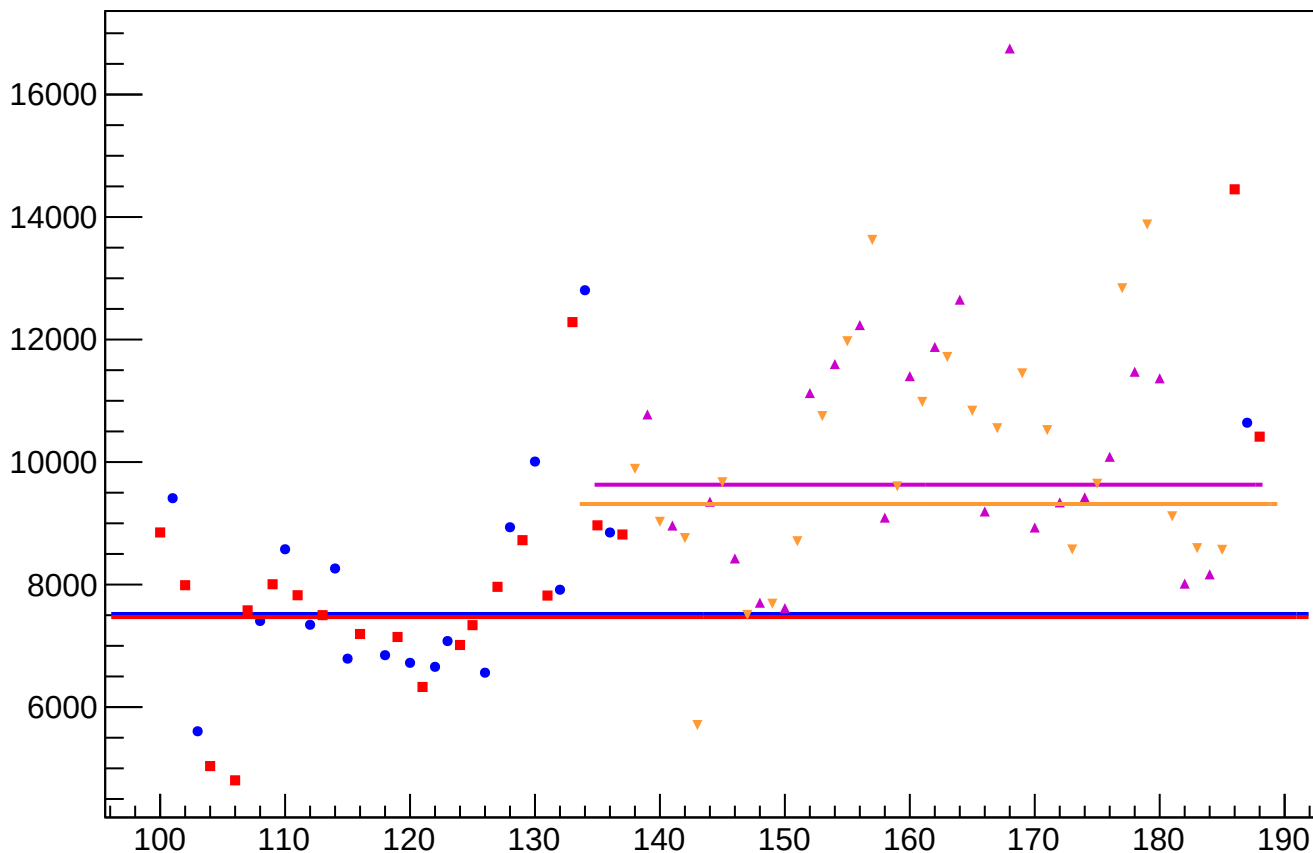
asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5020.947 $\pm$ 2929.250 χ^2 /NDF: 15.0/17
 Left Out: 1145.185 $\pm$ 2232.341 χ^2 /NDF:27.9/24
 Right Out: 5384.521 $\pm$ 2689.193 χ^2 /NDF: 20.5/20
 Left In: 3316.960 $\pm$ 2336.196 χ^2 /NDF:13.4/22

Left: 2181.728 $\pm$ 1613.970 χ^2 /NDF: 41.7/47
 Right: 5218.240 $\pm$ 1980.986 χ^2 /NDF: 35.5/38
 In: 3979.435 $\pm$ 1826.452 χ^2 /NDF:28.6/40
 Out: 2874.690 $\pm$ 1717.647 χ^2 /NDF:49.8/45
 All: 3393.179 $\pm$ 1251.258 χ^2 /NDF: 78.6/86

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7519.943 $\pm$ 2.071 χ^2/NDF : 458121.6/17

Left Out: 9315.396 $\pm$ 1.579 χ^2/NDF : 1503512.6/24

Right Out: 7469.377 $\pm$ 1.901 χ^2/NDF : 882331.6/20

Left In: 9630.345 $\pm$ 1.652 χ^2/NDF : 1074643.5/22

Left: 9465.715 $\pm$ 1.141 χ^2/NDF : 2597156.4/47

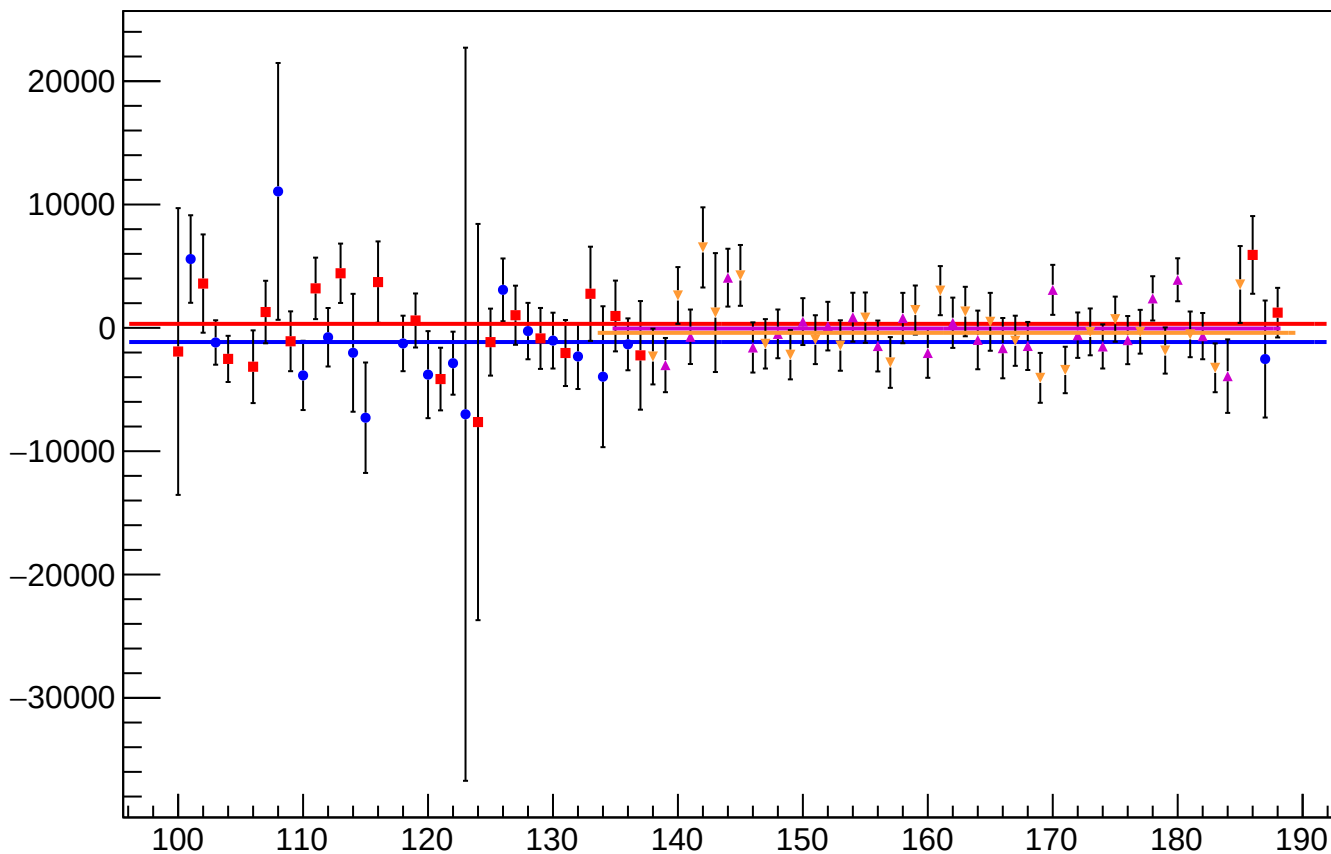
Right: 7492.501 $\pm$ 1.401 χ^2/NDF : 1340776.7/38

In: 8809.839 $\pm$ 1.291 χ^2/NDF : 2167304.2/40

Out: 8562.177 $\pm$ 1.215 χ^2/NDF : 2943885.6/45

All: 8678.407 $\pm$ 0.885 χ^2/NDF : 5130705.3/86

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -1148.755 $\pm$ 672.308 χ^2 /NDF: 12.3/17

Left Out: -403.389 $\pm$ 419.243 χ^2 /NDF: 28.9/24

Right Out: 324.821 $\pm$ 598.478 χ^2 /NDF: 19.1/20

Left In: -53.539 $\pm$ 422.570 χ^2 /NDF: 20.9/22

Left: -229.847 $\pm$ 297.619 χ^2 /NDF: 50.1/47

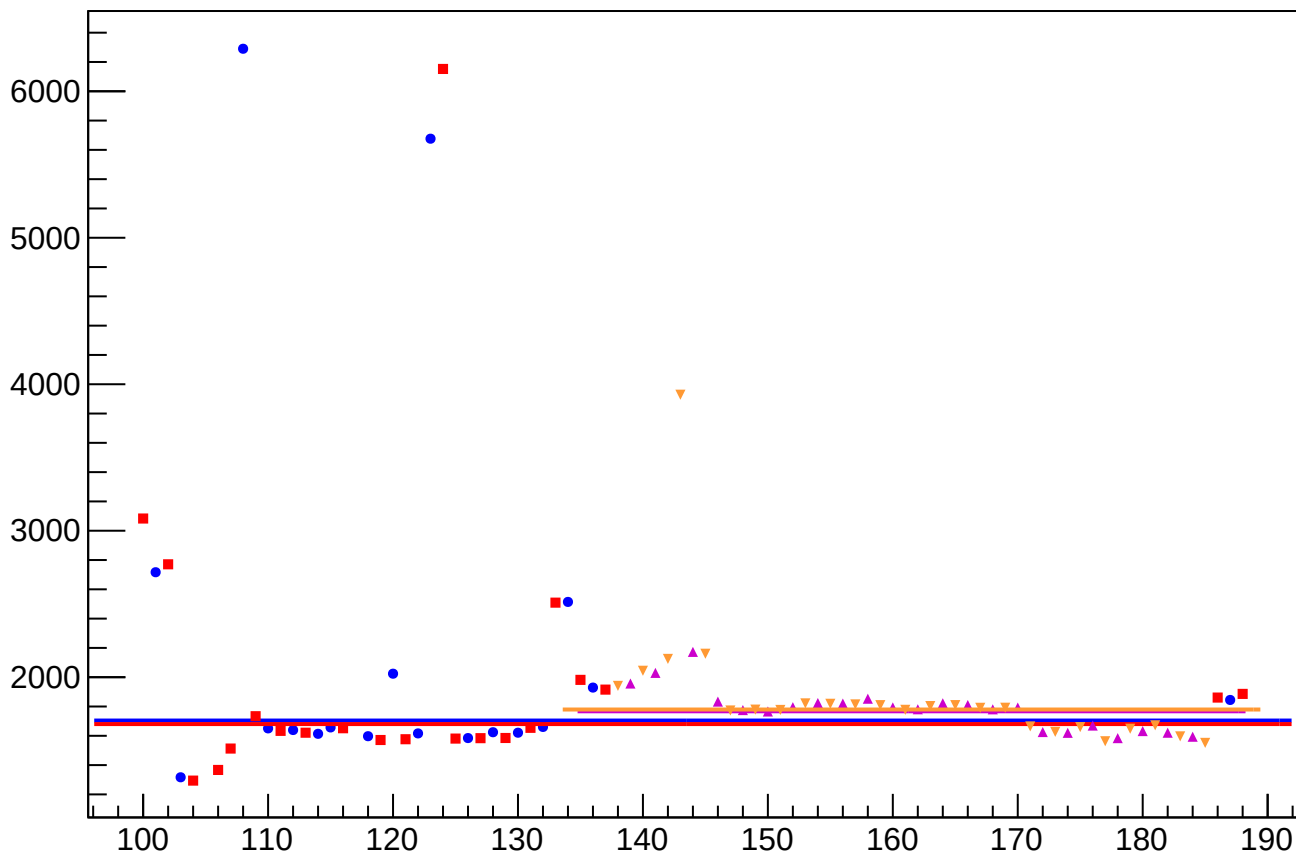
Right: -326.643 $\pm$ 447.020 χ^2 /NDF: 34.1/38

In: -363.686 $\pm$ 357.769 χ^2 /NDF: 35.1/40

Out: -163.674 $\pm$ 343.374 χ^2 /NDF: 49.0/45

All: -259.576 $\pm$ 247.735 χ^2 /NDF: 84.3/86

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1704.164+/-0.475 χ^2/NDF : 780511.0/17

Left Out: 1779.434+/-0.296 χ^2/NDF : 610925.0/24

Right Out: 1680.044+/-0.423 χ^2/NDF : 620354.9/20

Left In: 1767.314+/-0.299 χ^2/NDF : 196583.8/22

Left: 1773.422+/-0.210 χ^2/NDF : 808337.9/47

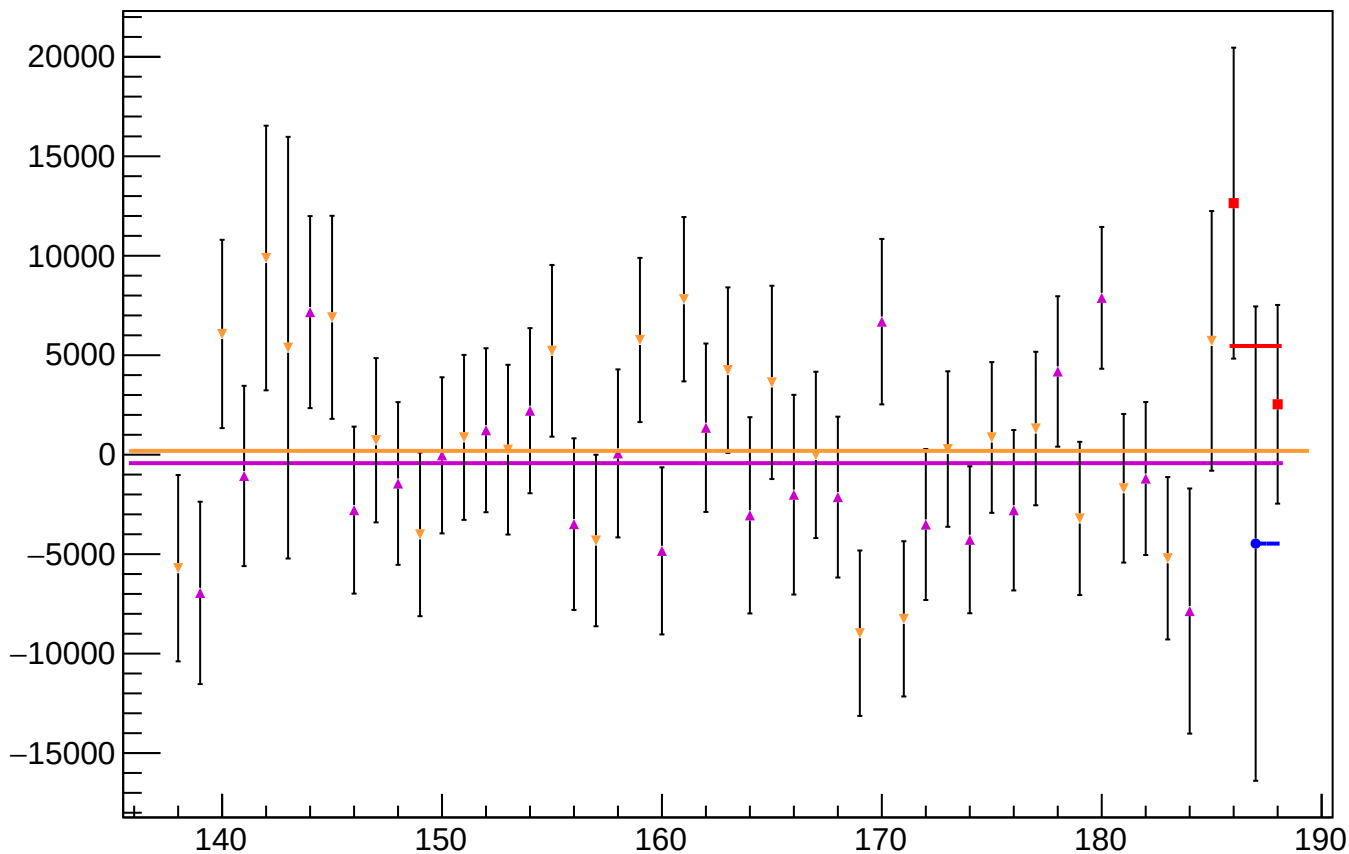
Right: 1690.707+/-0.316 χ^2/NDF : 1402302.0/38

In: 1749.431+/-0.253 χ^2/NDF : 989743.6/40

Out: 1746.716+/-0.243 χ^2/NDF : 1268281.7/45

All: 1748.018+/-0.175 χ^2/NDF : 2258085.3/86

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: -4470.319 ± 11923.582 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 191.104 ± 869.912 $\chi^2/\text{NDF}: 30.6/24$

Right Out: 5464.825 ± 4208.226 $\chi^2/\text{NDF}: 1.2/1$

Left In: -426.004 ± 874.870 $\chi^2/\text{NDF}: 21.3/22$

Left: -115.696 ± 616.866 $\chi^2/\text{NDF}: 52.1/47$

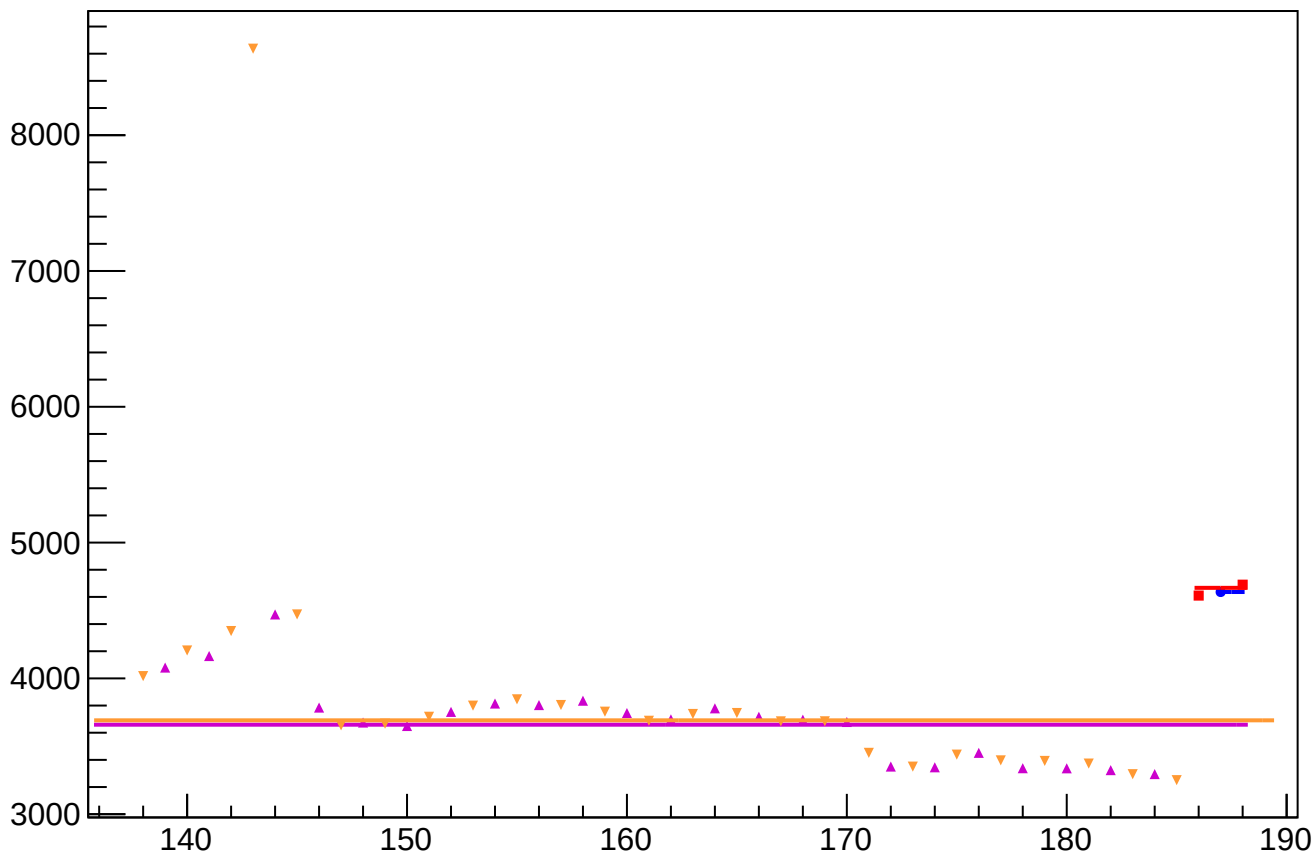
Right: 4364.362 ± 3968.327 $\chi^2/\text{NDF}: 1.8/2$

In: -447.661 ± 872.525 $\chi^2/\text{NDF}: 21.4/23$

Out: 407.225 ± 851.901 $\chi^2/\text{NDF}: 33.3/26$

All: -9.995 ± 609.546 $\chi^2/\text{NDF}: 55.2/50$

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 4636.091+/-8.431 χ^2 /NDF: 0.0/0

Left Out: 3691.174+/-0.615 χ^2 /NDF:639471.7/24

Right Out: 4666.759+/-2.976 χ^2 /NDF: 149.4/1

Left In: 3659.086+/-0.619 χ^2 /NDF:198077.1/22

Left: 3675.221+/-0.436 χ^2 /NDF: 838901.7/47

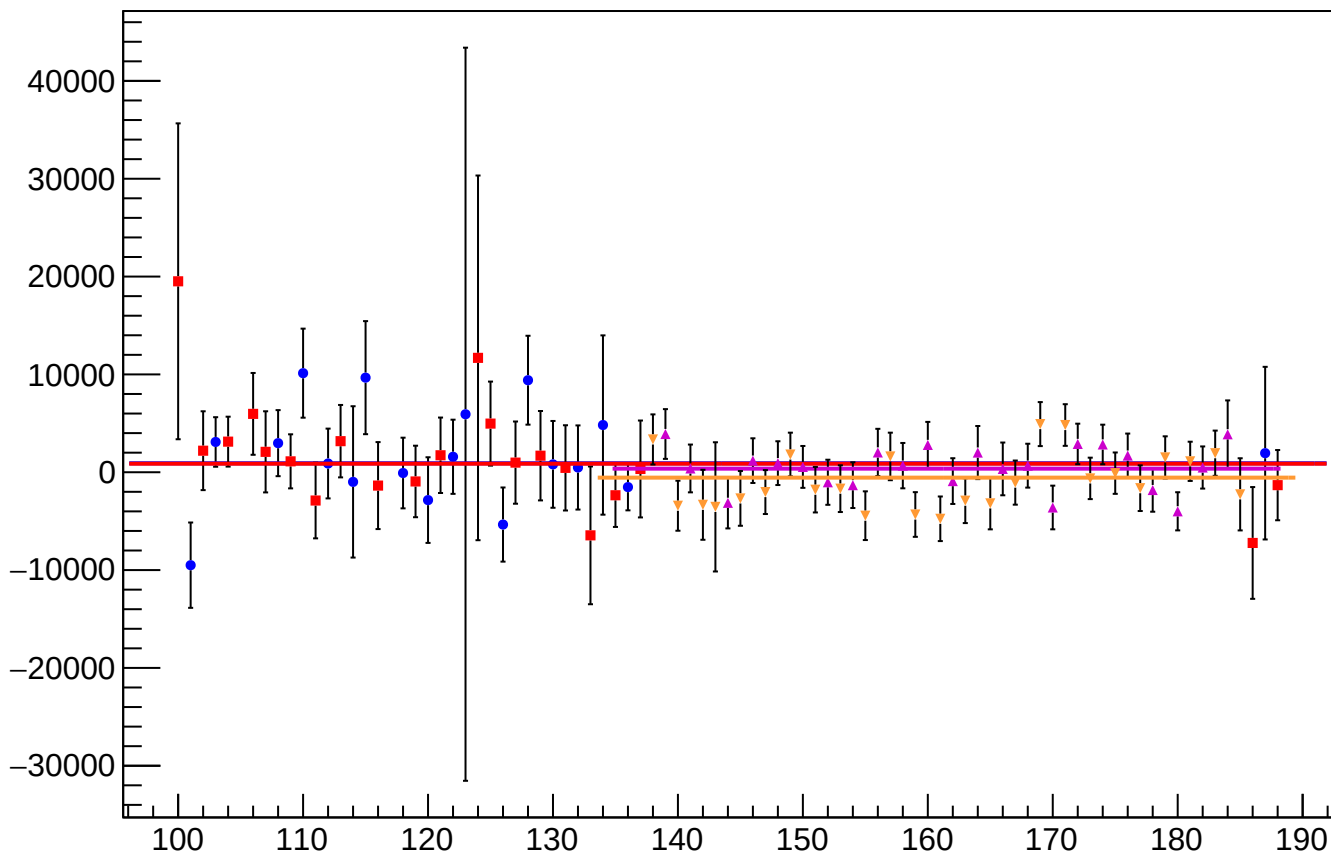
Right: 4663.362+/-2.806 χ^2 /NDF: 161.2/2

In: 3664.318+/-0.617 χ^2 /NDF:211433.1/23

Out: 3731.154+/-0.602 χ^2 /NDF:742704.6/26

All: 3698.535+/-0.431 χ^2 /NDF: 960145.8/50

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 915.593 ± 956.250 χ^2/NDF : 21.6/17

Left Out: -551.411 ± 481.630 χ^2/NDF : 34.0/24

Right Out: 872.978 ± 884.943 χ^2/NDF : 11.4/20

Left In: 366.243 ± 483.092 χ^2/NDF : 20.5/22

Left: -93.975 ± 341.080 χ^2/NDF : 56.4/47

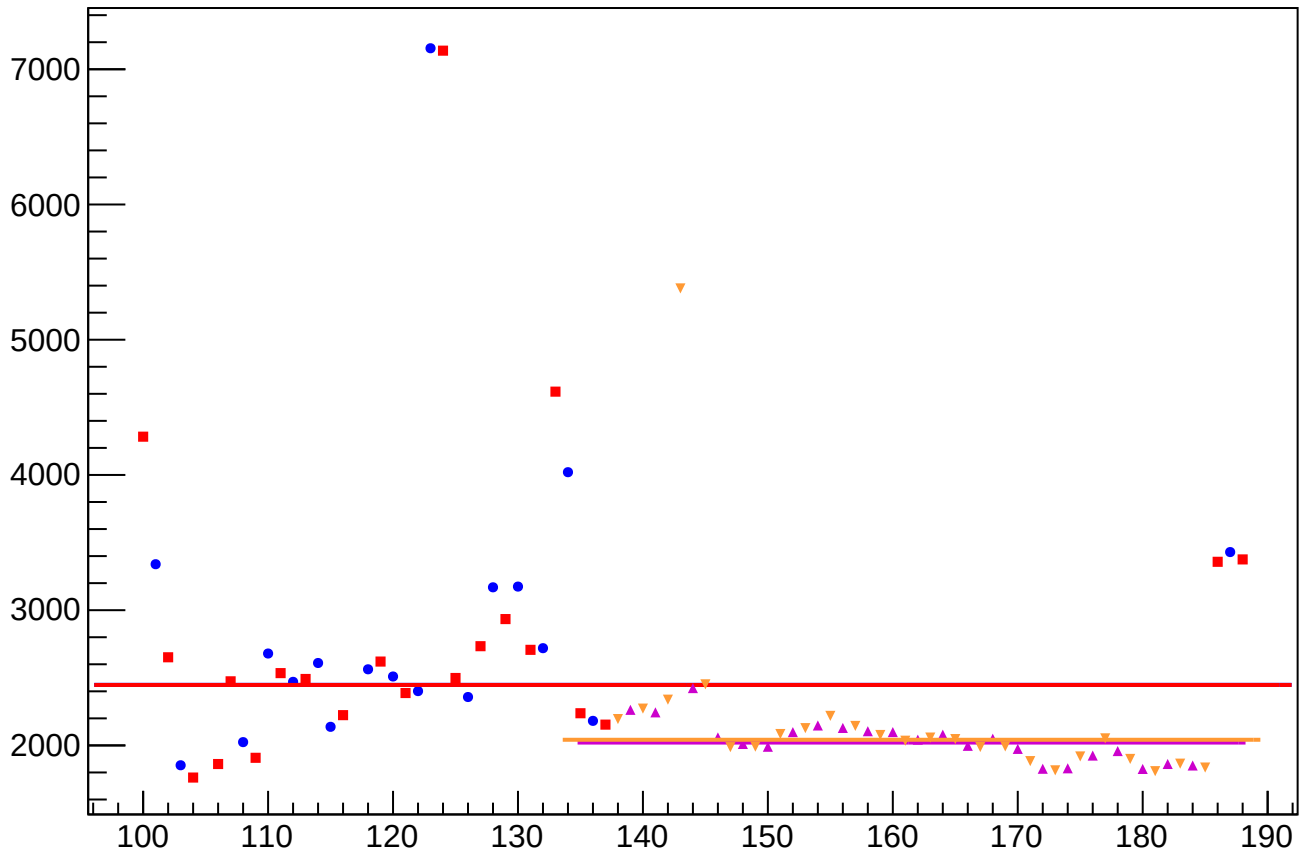
Right: 892.638 ± 649.497 χ^2/NDF : 33.1/38

In: 477.941 ± 431.191 χ^2/NDF : 42.4/40

Out: -225.912 ± 423.035 χ^2/NDF : 47.5/45

All: 119.295 ± 301.973 χ^2/NDF : 91.3/86

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2447.928 $\pm$ 0.676 χ^2/NDF : 493619.1/17

Left Out: 2041.781 $\pm$ 0.341 χ^2/NDF : 706854.2/24

Right Out: 2447.102 $\pm$ 0.626 χ^2/NDF : 857576.6/20

Left In: 2021.065 $\pm$ 0.342 χ^2/NDF : 178726.2/22

Left: 2031.455 $\pm$ 0.241 χ^2/NDF : 887424.8/47

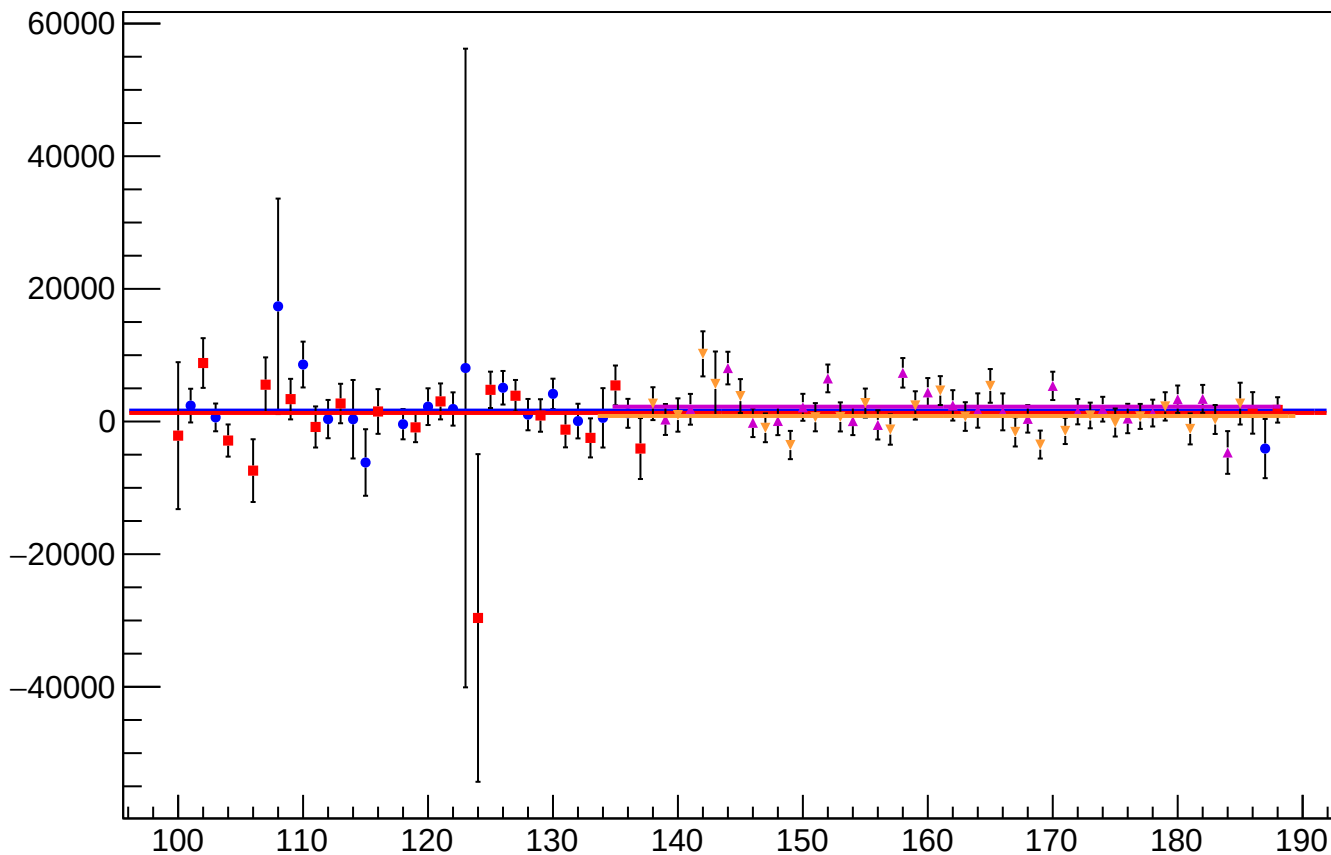
Right: 2447.483 $\pm$ 0.459 χ^2/NDF : 1351196.5/38

In: 2107.859 $\pm$ 0.305 χ^2/NDF : 989846.7/40

Out: 2134.405 $\pm$ 0.299 χ^2/NDF : 1888118.1/45

All: 2121.385 $\pm$ 0.214 χ^2/NDF : 2881827.5/86

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1645.118 $\pm$ 686.158 χ^2 /NDF: 14.1/17

Left Out: 837.426 $\pm$ 454.502 χ^2 /NDF:32.3/24

Right Out: 1292.077 $\pm$ 649.691 χ^2 /NDF: 24.3/20

Left In: 2235.652 $\pm$ 457.720 χ^2 /NDF:31.0/22

Left: 1531.607 $\pm$ 322.513 χ^2 /NDF: 68.0/47

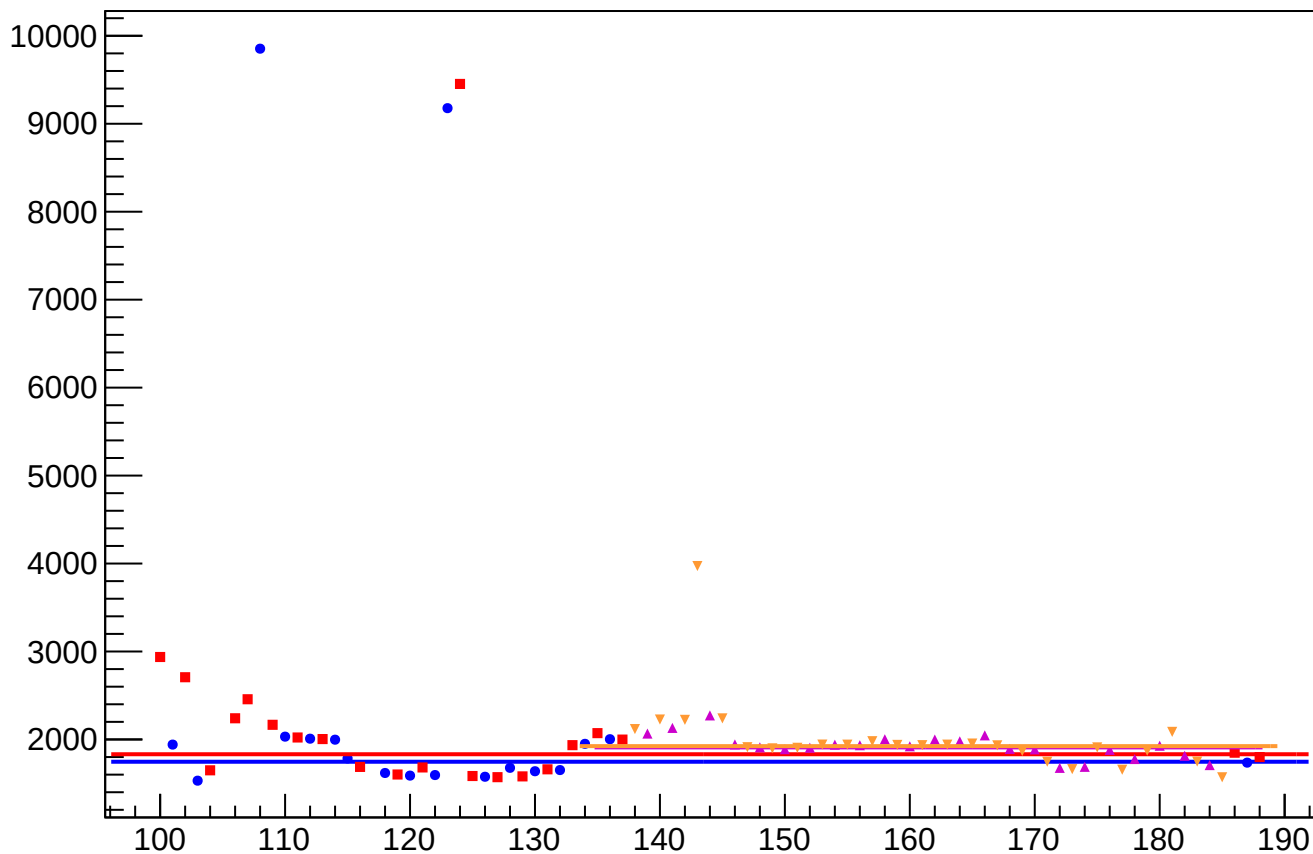
Right: 1458.967 $\pm$ 471.766 χ^2 /NDF: 38.5/38

In: 2053.795 $\pm$ 380.774 χ^2 /NDF:45.6/40

Out: 986.818 $\pm$ 372.418 χ^2 /NDF:57.0/45

All: 1508.471 $\pm$ 266.245 χ^2 /NDF: 106.5/86

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1746.591+/-0.485 χ^2/NDF : 682495.2/17

Left Out: 1924.077+/-0.321 χ^2/NDF : 583939.2/24

Right Out: 1831.906+/-0.459 χ^2/NDF : 551081.2/20

Left In: 1909.656+/-0.324 χ^2/NDF : 164475.5/22

Left: 1916.918+/-0.228 χ^2/NDF : 749414.3/47

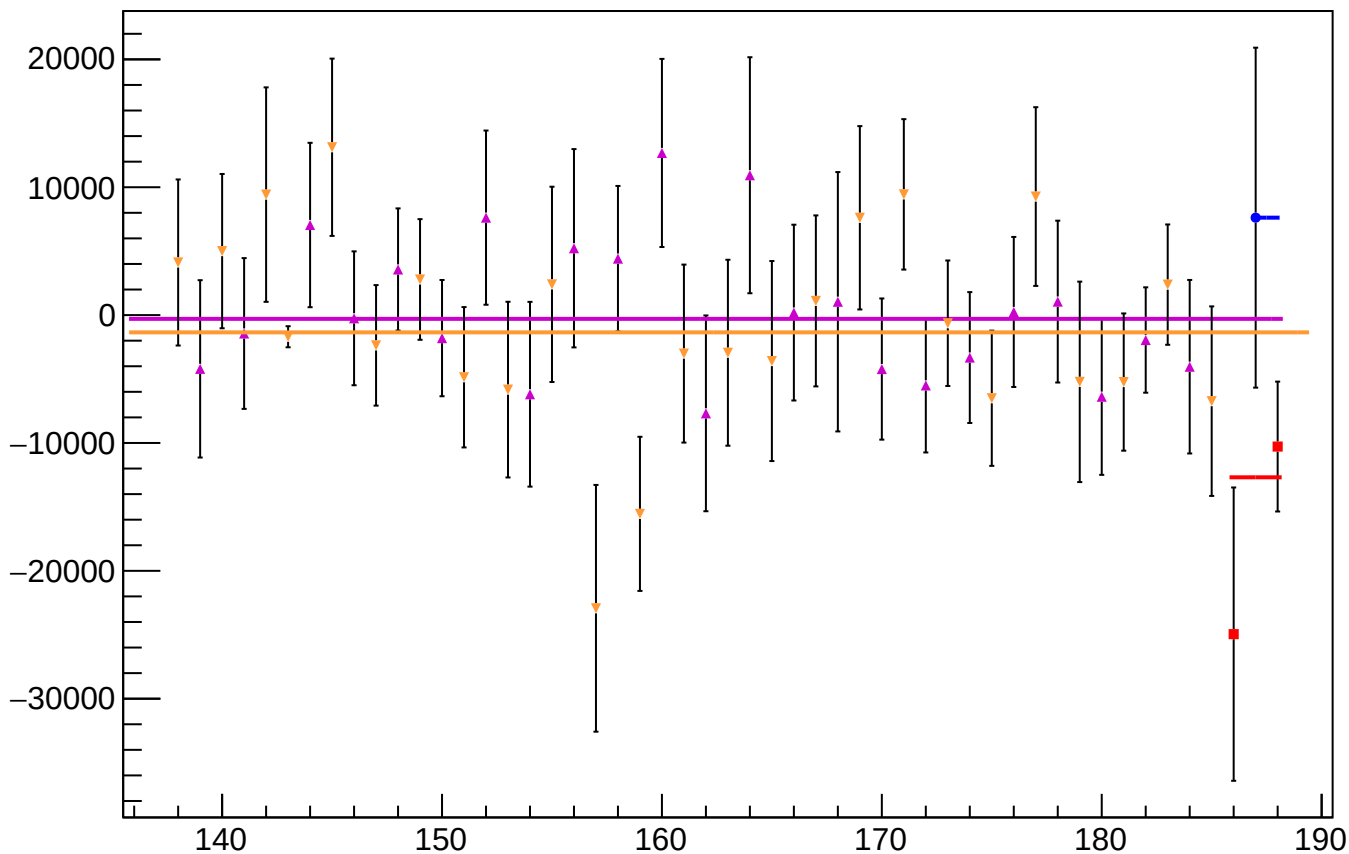
Right: 1791.618+/-0.333 χ^2/NDF : 1249895.2/38

In: 1859.440+/-0.269 χ^2/NDF : 925141.2/40

Out: 1893.750+/-0.263 χ^2/NDF : 1162084.0/45

All: 1876.981+/-0.188 χ^2/NDF : 2095527.2/86

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 7620.989+/-13294.387 χ^2/NDF : 0.0/0

Left Out: -1349.584+/-690.658 χ^2/NDF :30.9/24

Right Out: -12685.323+/-4643.948 χ^2/NDF : 1.4/1

Left In: -294.047+/-1252.274 χ^2/NDF :14.5/22

Left: -1103.398+/-604.776 χ^2/NDF : 46.0/47

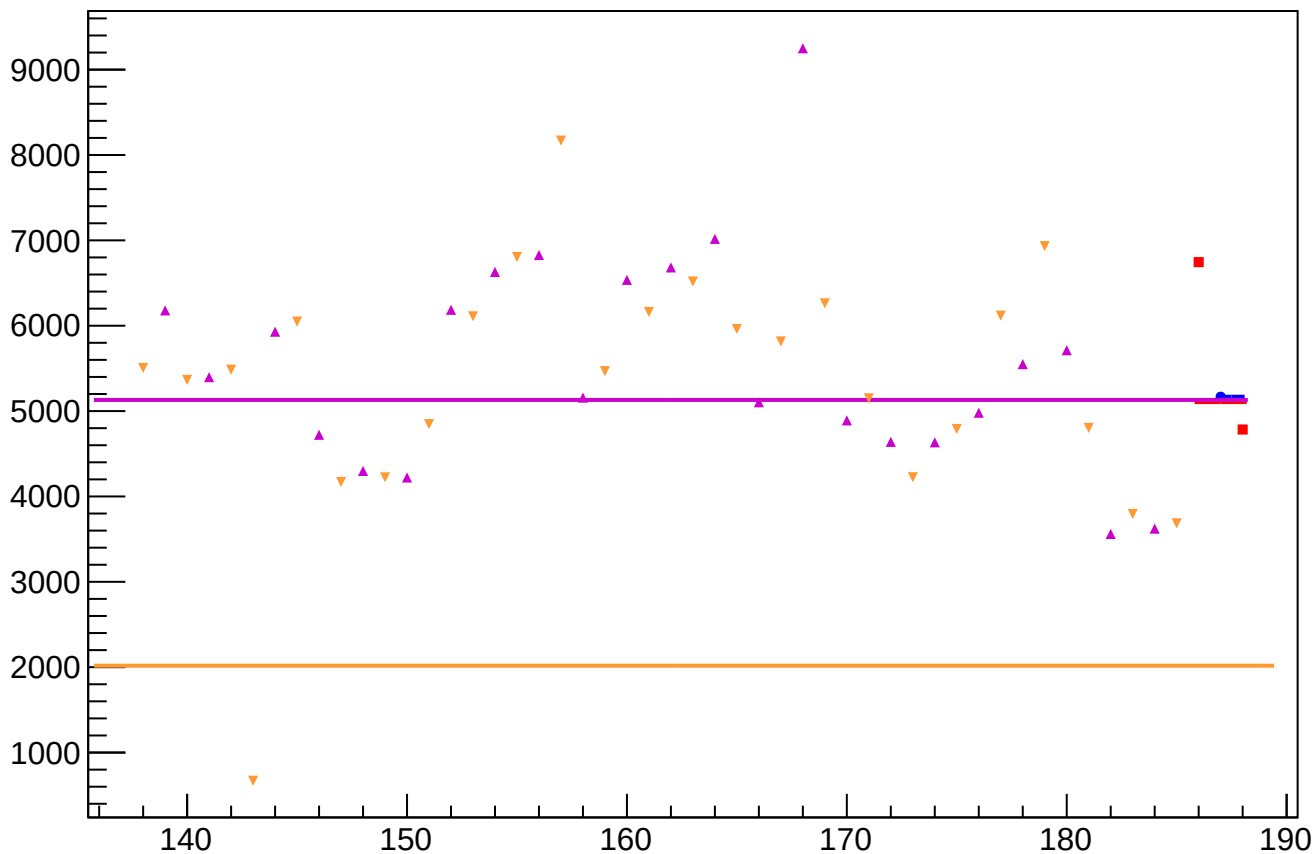
Right: -10476.974+/-4384.162 χ^2/NDF : 3.4/2

In: -224.436+/-1246.755 χ^2/NDF :14.9/23

Out: -1594.886+/-683.145 χ^2/NDF :38.1/26

All: -1278.437+/-599.103 χ^2/NDF : 53.9/50

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 5168.244+/-9.401 χ^2/NDF : 0.0/0

Left Out: 2017.245+/-0.488 χ^2/NDF : 19159743.3/24

Right Out: 5105.543+/-3.284 χ^2/NDF : 48877.6/1

Left In: 5130.756+/-0.885 χ^2/NDF : 1489813.1/22

Left: 2743.420+/-0.428 χ^2/NDF : 30129278.1/47

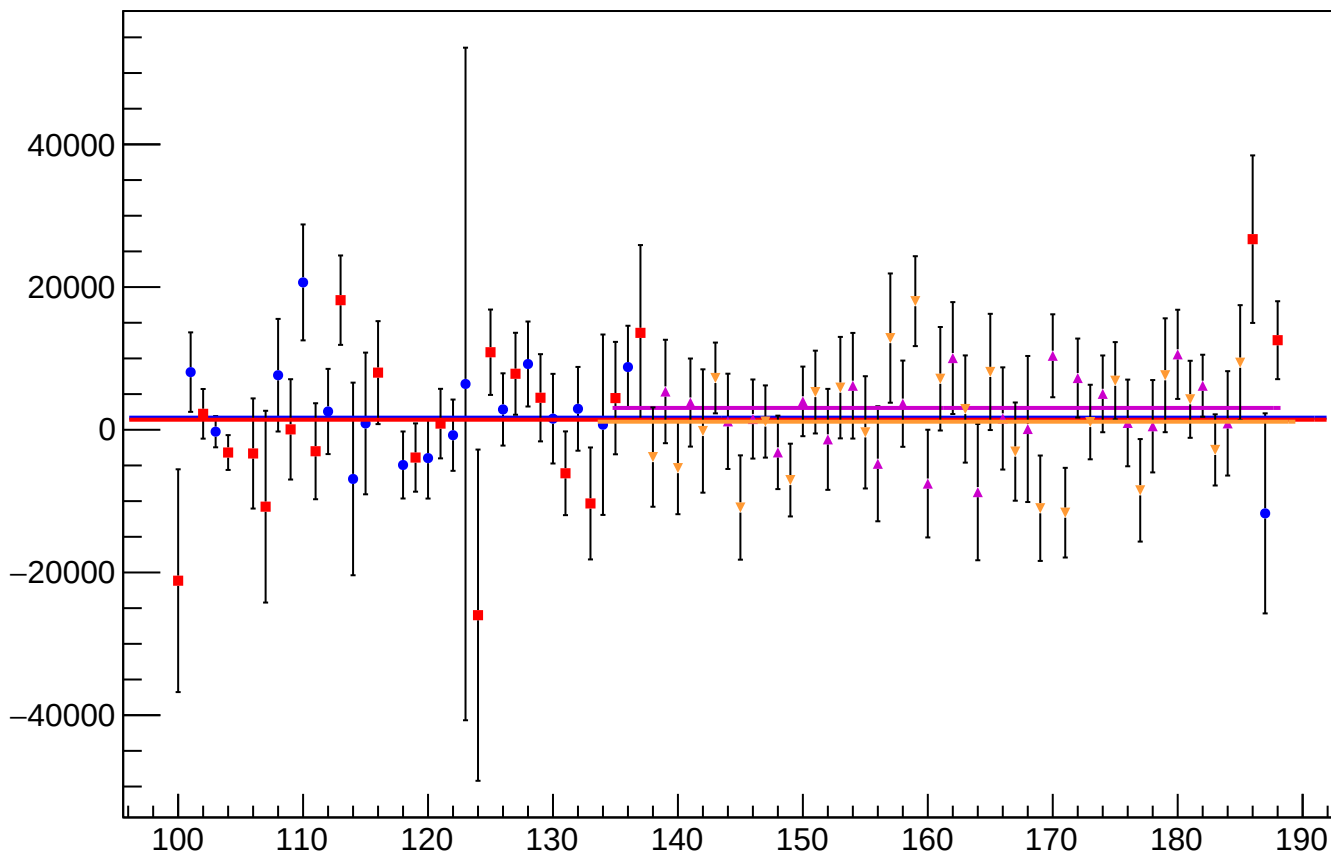
Right: 5112.362+/-3.100 χ^2/NDF : 48917.3/2

In: 5131.086+/-0.882 χ^2/NDF : 1489828.9/23

Out: 2084.074+/-0.483 χ^2/NDF : 20073972.8/26

All: 2787.657+/-0.424 χ^2/NDF : 30751227.5/5

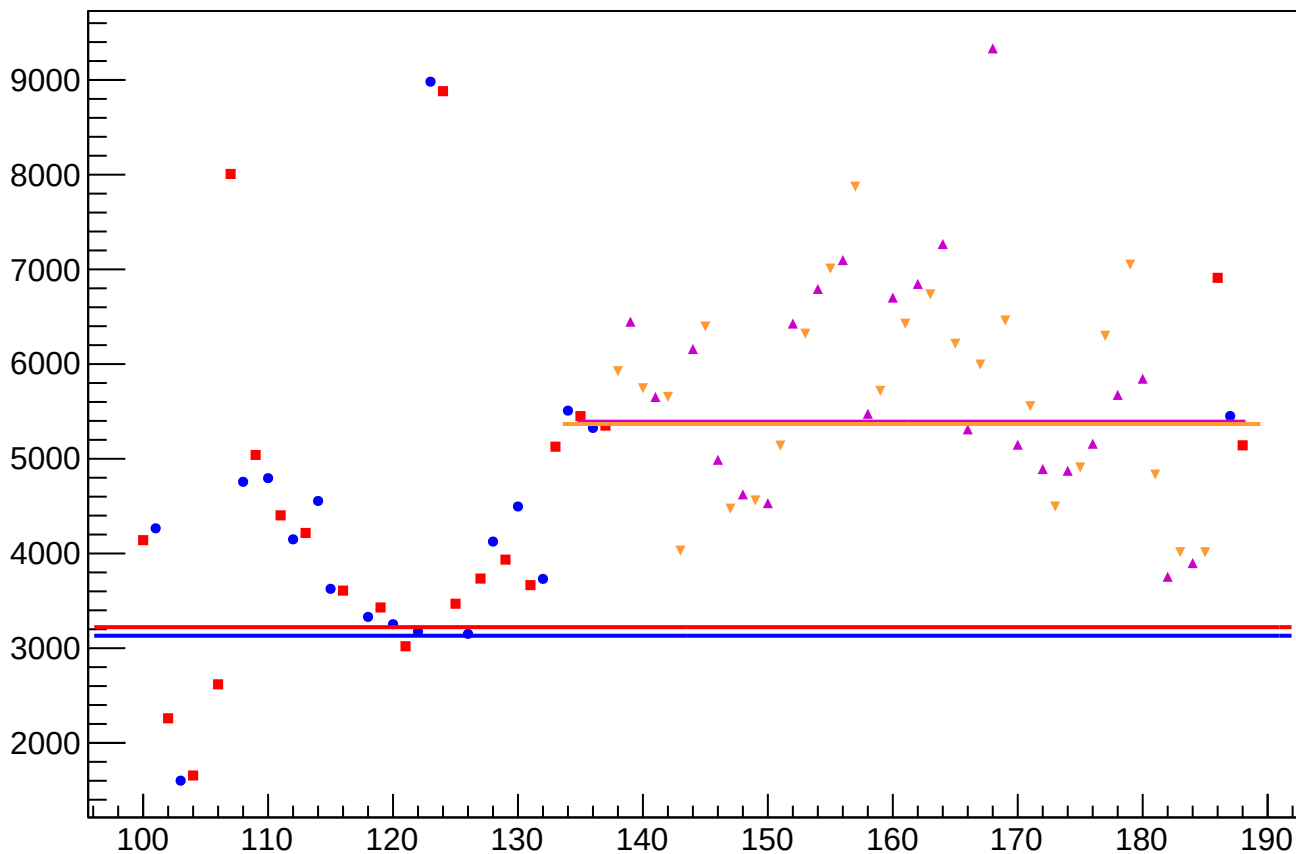
asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1698.744+/-1295.744 χ^2/NDF : 15.9/17
 Left Out: 1132.501+/-1280.211 χ^2/NDF : 32.5/24
 Right Out: 1410.156+/-1244.773 χ^2/NDF : 35.8/20
 Left In: 3061.439+/-1313.197 χ^2/NDF : 12.3/22

Left: 2072.439+/-916.686 χ^2/NDF : 45.9/47
 Right: 1548.662+/-897.666 χ^2/NDF : 51.8/38
 In: 2370.976+/-922.338 χ^2/NDF : 28.8/40
 Out: 1275.224+/-892.453 χ^2/NDF : 68.3/45
 All: 1805.061+/-641.365 χ^2/NDF : 97.8/86

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3131.539 $\pm$ 0.916 χ^2 /NDF: 1934203.1/17

Left Out: 5366.944 $\pm$ 0.905 χ^2 /NDF: 1213541.3/24

Right Out: 3222.204 $\pm$ 0.868 χ^2 /NDF: 2480836.0/20

Left In: 5391.987 $\pm$ 0.929 χ^2 /NDF: 1320415.5/22

Left: 5379.147 $\pm$ 0.648 χ^2 /NDF: 2534329.7/47

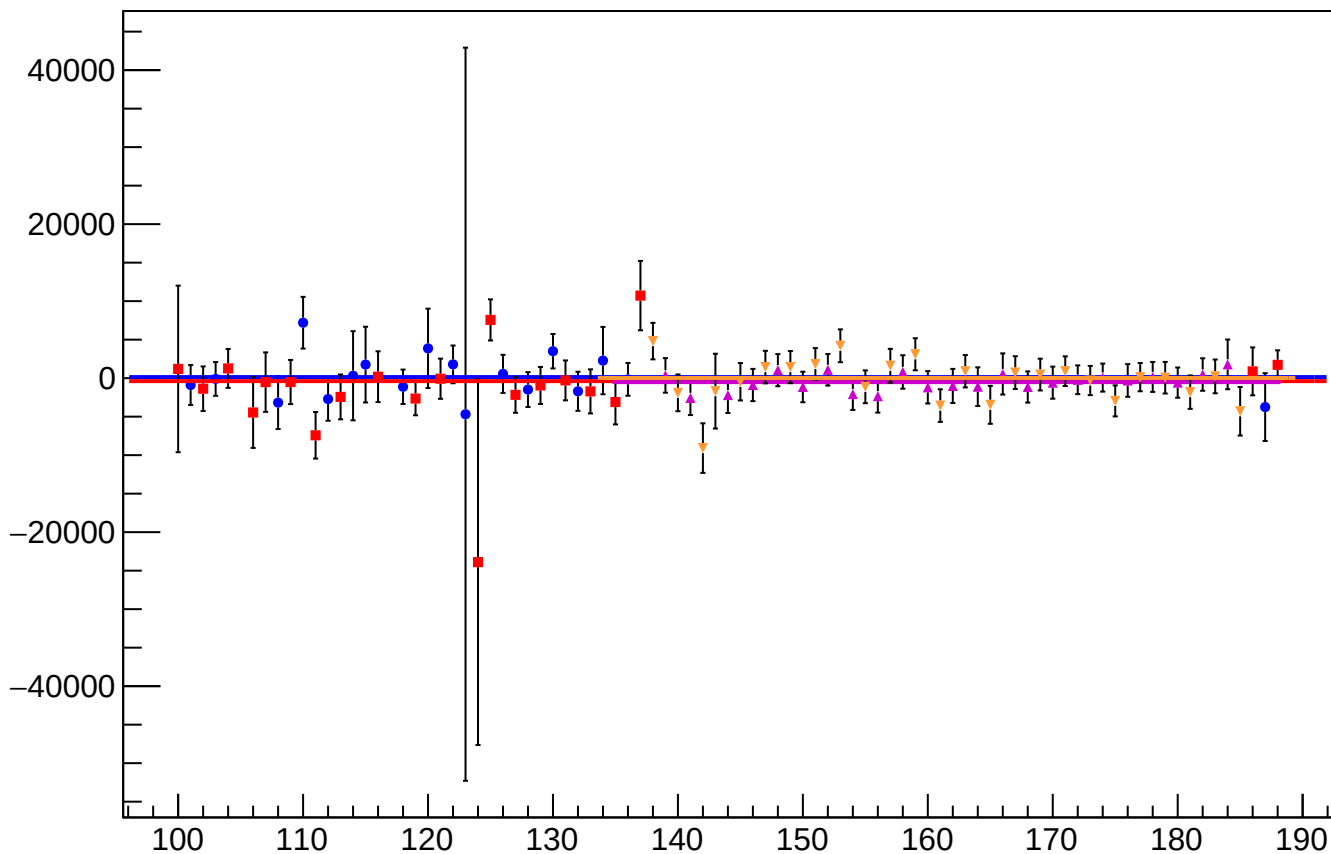
Right: 3179.308 $\pm$ 0.630 χ^2 /NDF: 4420198.2/38

In: 4246.636 $\pm$ 0.652 χ^2 /NDF: 6257257.7/40

Out: 4249.836 $\pm$ 0.627 χ^2 /NDF: 6618103.8/45

All: 4248.300 $\pm$ 0.452 χ^2 /NDF: 12875374.1/8

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 137.427 $\pm$ 678.565 χ^2 /NDF: 12.3/17

Left Out: 23.375 $\pm$ 440.724 χ^2 /NDF:31.7/24

Right Out: -387.156 $\pm$ 629.893 χ^2 /NDF: 27.5/20

Left In: -514.693 $\pm$ 444.402 χ^2 /NDF:5.9/22

Left: -243.423 $\pm$ 312.931 χ^2 /NDF: 38.4/47

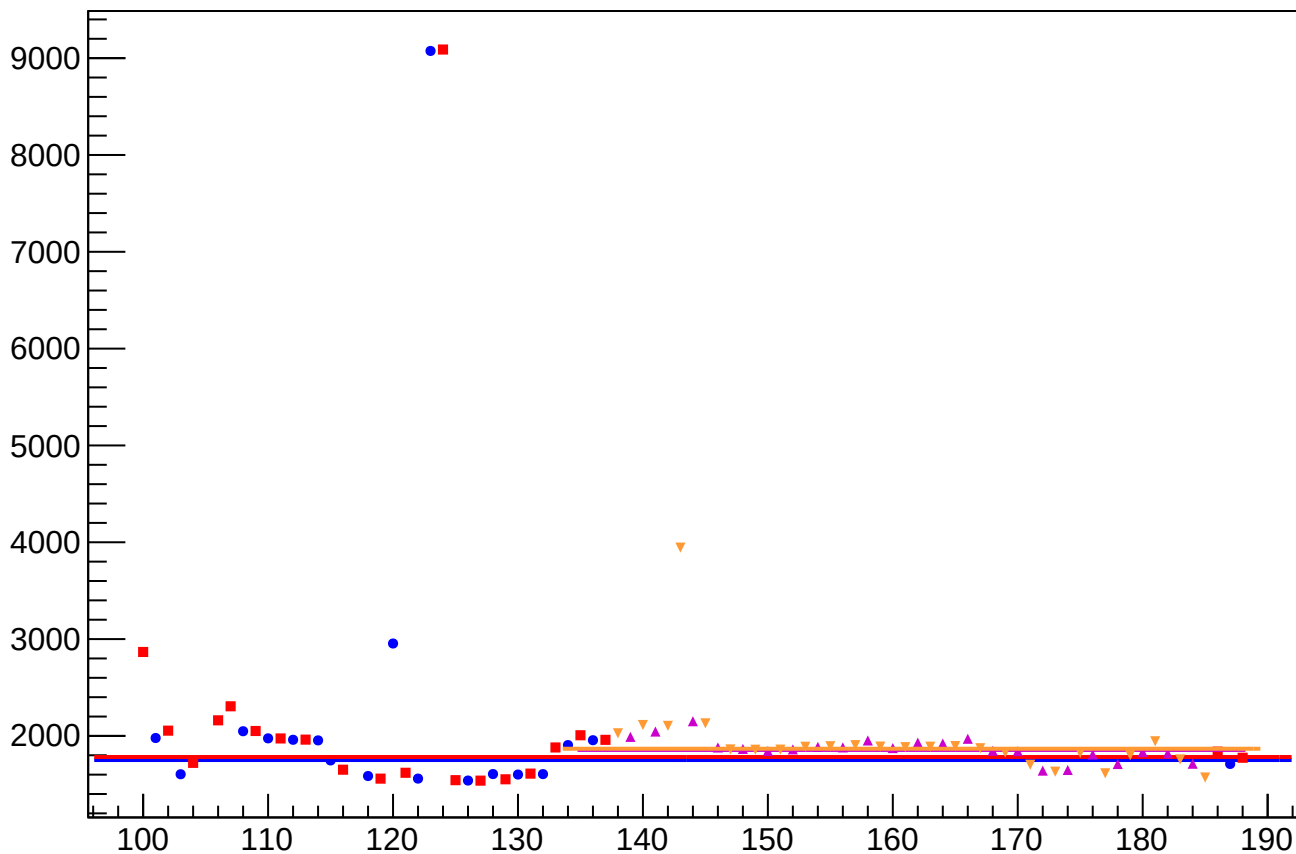
Right: -144.351 $\pm$ 461.650 χ^2 /NDF: 40.1/38

In: -318.947 $\pm$ 371.769 χ^2 /NDF:18.9/40

Out: -111.549 $\pm$ 361.109 χ^2 /NDF:59.4/45

All: -212.232 $\pm$ 259.029 χ^2 /NDF: 78.5/86

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1750.864+/-0.480 χ^2/NDF : 301071.7/17

Left Out: 1867.539+/-0.312 χ^2/NDF : 545343.0/24

Right Out: 1781.947+/-0.445 χ^2/NDF : 429020.5/20

Left In: 1855.480+/-0.314 χ^2/NDF : 136219.4/22

Left: 1861.559+/-0.221 χ^2/NDF : 682305.0/47

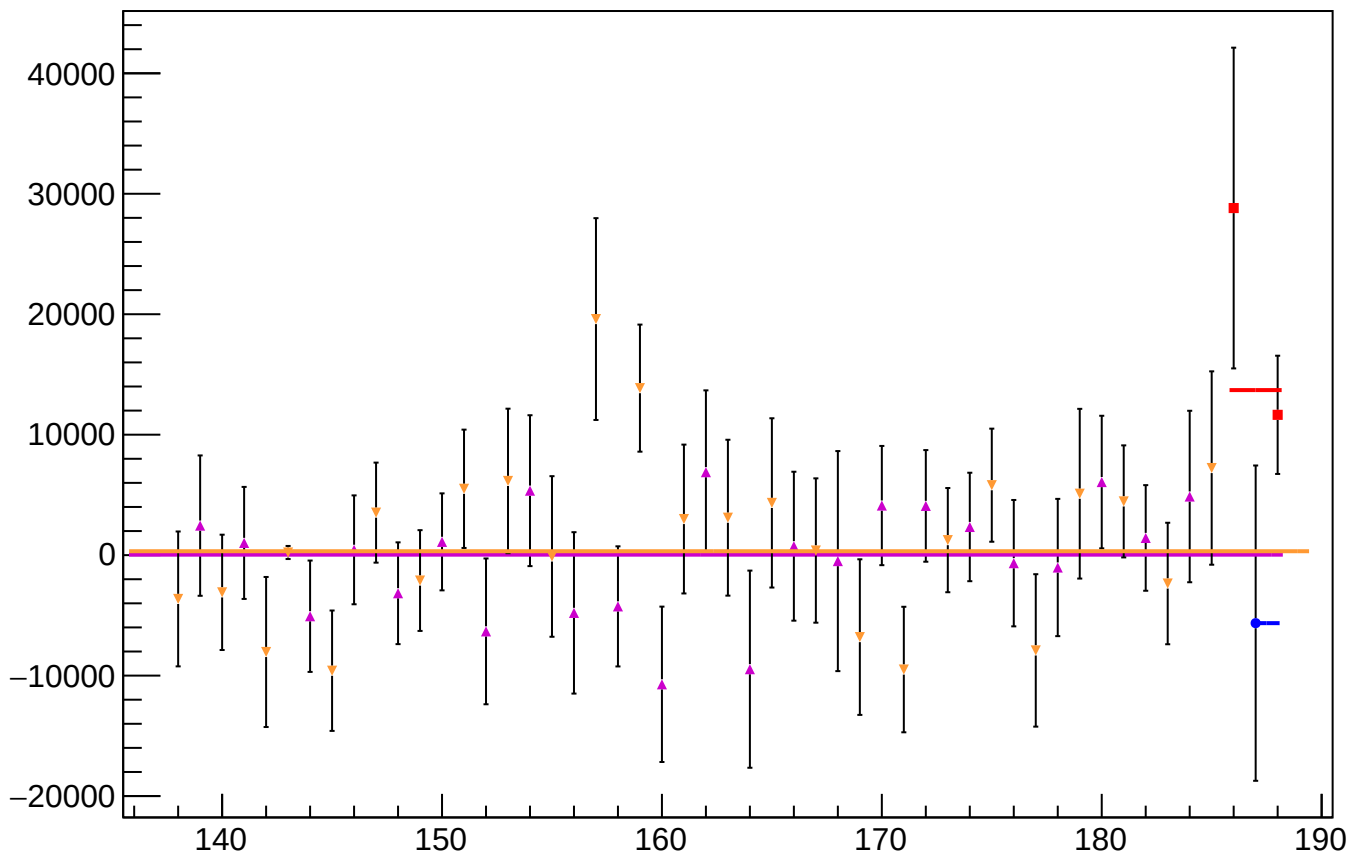
Right: 1767.581+/-0.326 χ^2/NDF : 732349.2/38

In: 1824.077+/-0.263 χ^2/NDF : 470559.8/40

Out: 1839.358+/-0.255 χ^2/NDF : 999200.0/45

All: 1831.943+/-0.183 χ^2/NDF : 1471499.1/86

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: -5644.886 $\pm$ 13087.539 χ^2 /NDF: 0.0/0

Left Out: 325.135 $\pm$ 488.239 χ^2 /NDF:32.5/24

Right Out: 13701.975 $\pm$ 4604.803 χ^2 /NDF: 1.5/1

Left In: 40.142 $\pm$ 1109.747 χ^2 /NDF:13.9/22

Left: 278.917 $\pm$ 446.900 χ^2 /NDF: 46.4/47

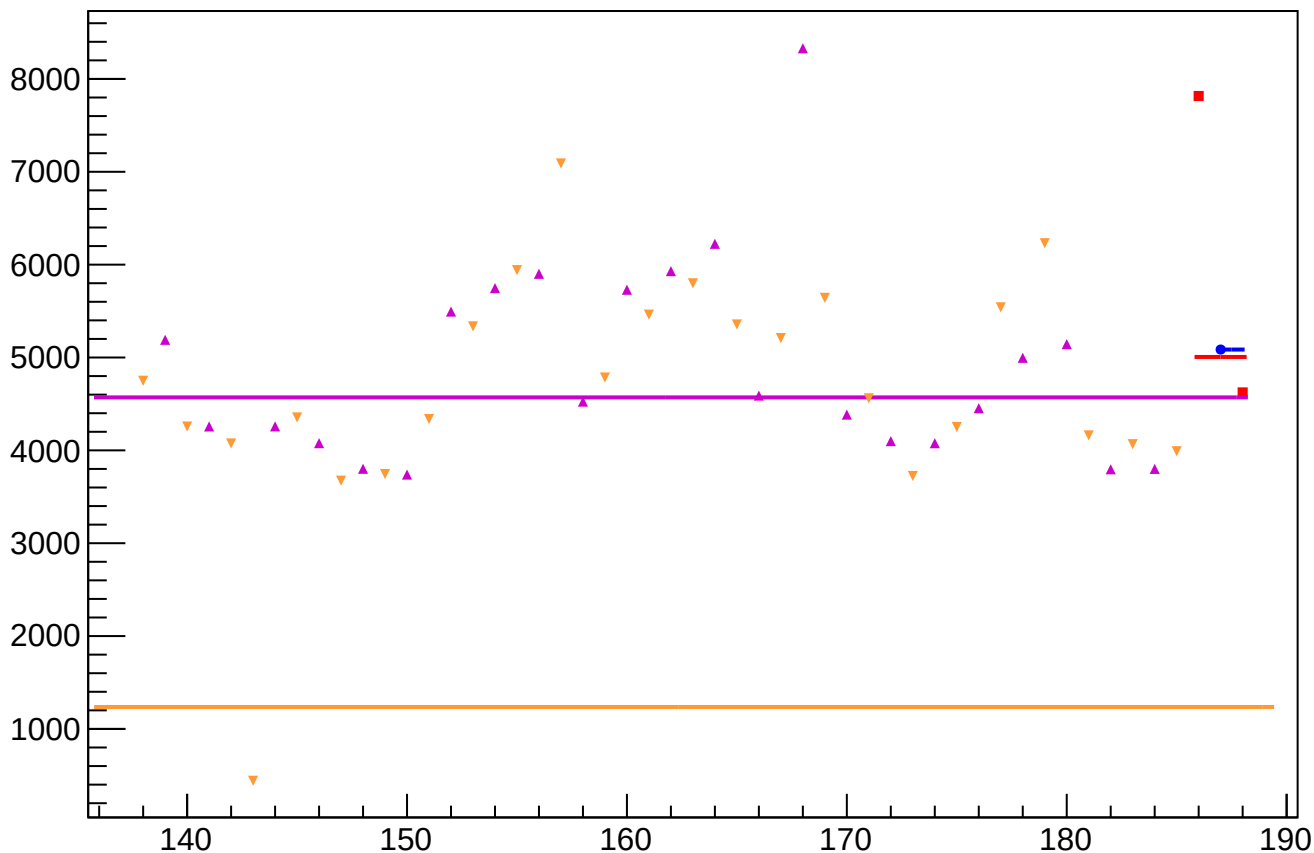
Right: 11570.751 $\pm$ 4343.775 χ^2 /NDF: 3.4/2

In: -0.442 $\pm$ 1105.779 χ^2 /NDF:14.0/23

Out: 473.845 $\pm$ 485.517 χ^2 /NDF:42.3/26

All: 397.188 $\pm$ 444.553 χ^2 /NDF: 56.5/50

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 5085.656+/-9.254 χ^2/NDF : 0.0/0

Left Out: 1236.170+/-0.345 χ^2/NDF : 23395886.7/24

Right Out: 5005.910+/-3.256 χ^2/NDF : 101245.6/1

Left In: 4570.398+/-0.785 χ^2/NDF : 1145211.6/22

Left: 1776.884+/-0.316 χ^2/NDF : 39667244.3/47

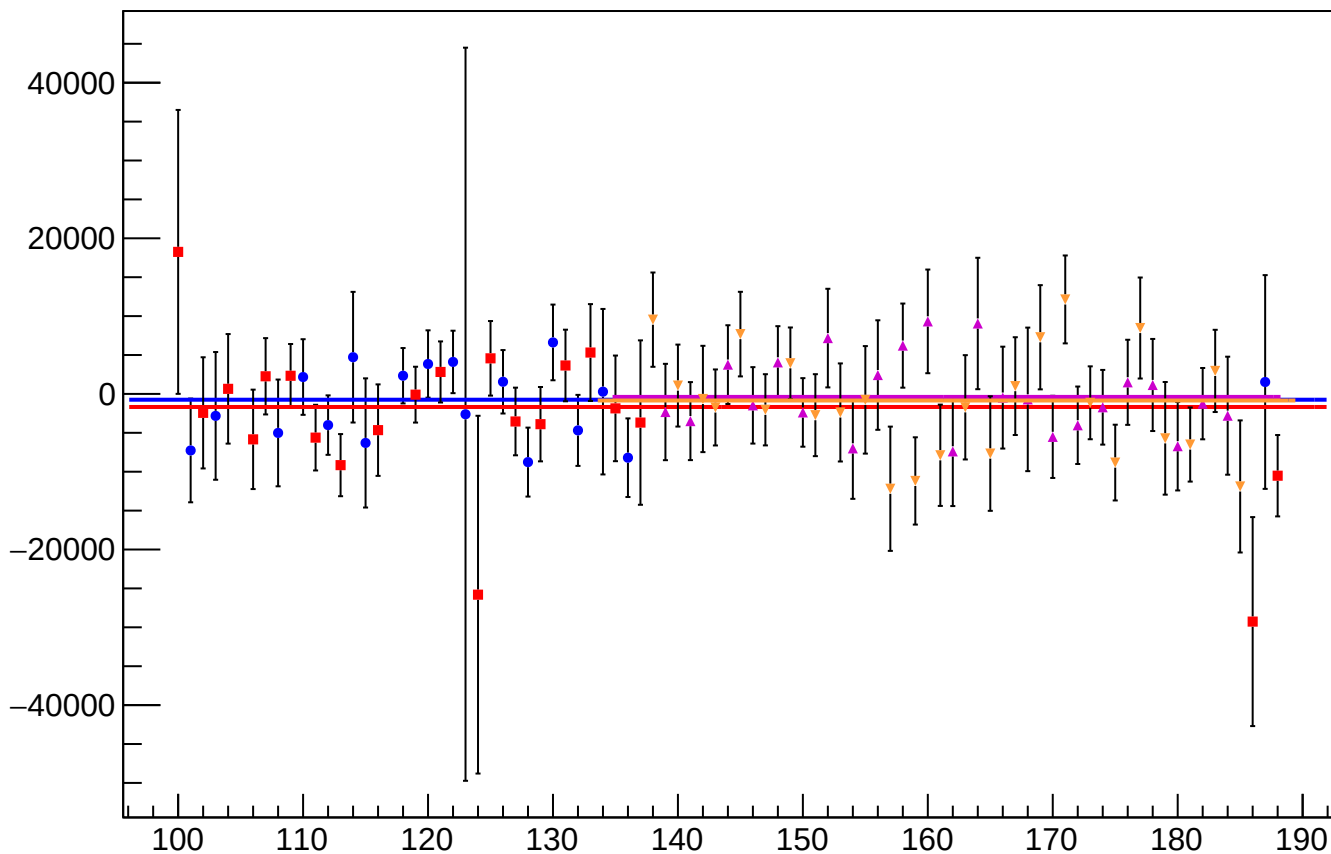
Right: 5014.695+/-3.072 χ^2/NDF : 101311.7/2

In: 4574.076+/-0.782 χ^2/NDF : 1148289.5/23

Out: 1278.078+/-0.343 χ^2/NDF : 24822620.4/26

All: 1810.797+/-0.314 χ^2/NDF : 40868133.0/5

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -746.319+/-1242.589 χ^2/NDF : 15.6/17

Left Out: -845.427+/-1152.677 χ^2/NDF : 30.0/24

Right Out: -1680.089+/-1157.052 χ^2/NDF : 22.4/20

Left In: -385.098+/-1181.458 χ^2/NDF : 13.9/22

Left: -620.938+/-825.053 χ^2/NDF : 44.0/47

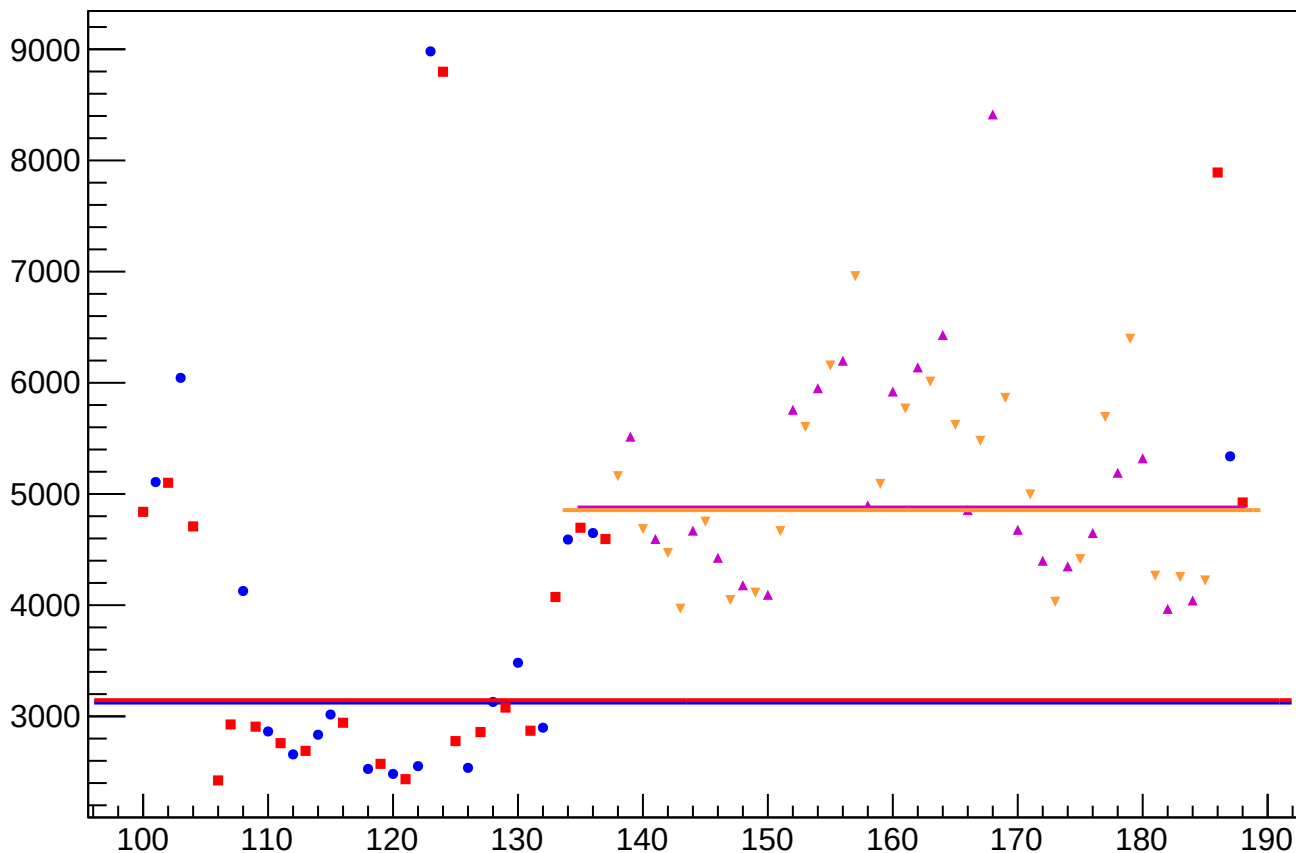
Right: -1246.447+/-846.785 χ^2/NDF : 38.3/38

In: -556.605+/-856.213 χ^2/NDF : 29.5/40

Out: -1261.177+/-816.608 χ^2/NDF : 52.7/45

All: -925.563+/-590.934 χ^2/NDF : 82.6/86

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3124.119+/-0.879 χ^2/NDF : 1012234.8/17

Left Out: 4854.932+/-0.815 χ^2/NDF : 895557.4/24

Right Out: 3145.176+/-0.809 χ^2/NDF : 1298470.5/20

Left In: 4878.261+/-0.835 χ^2/NDF : 965222.2/22

Left: 4866.309+/-0.583 χ^2/NDF : 1861179.2/47

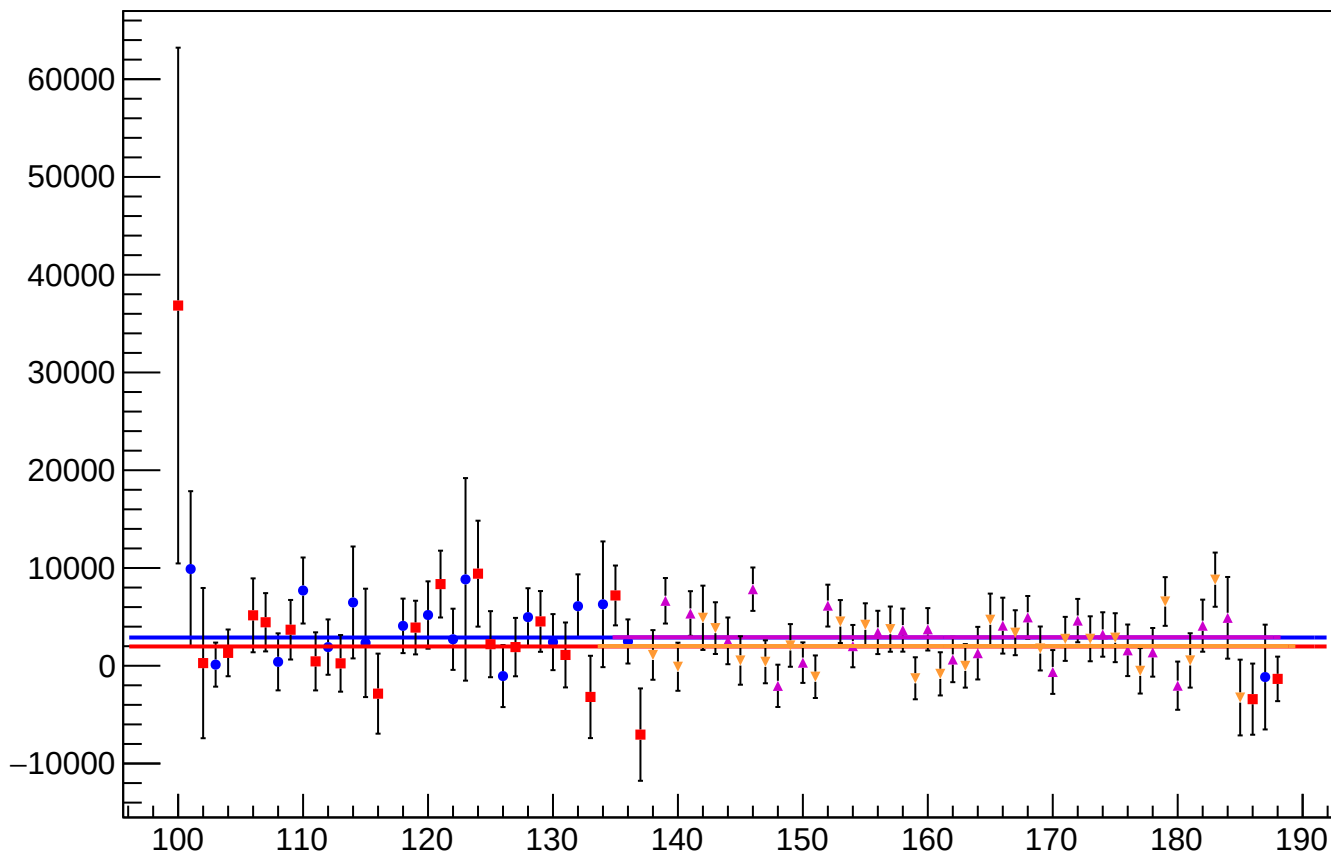
Right: 3135.521+/-0.595 χ^2/NDF : 2311016.4/38

In: 4045.395+/-0.605 χ^2/NDF : 4070766.7/40

Out: 3993.176+/-0.574 χ^2/NDF : 4411884.3/45

All: 4017.896+/-0.417 χ^2/NDF : 8486568.5/86

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2889.367 $\pm$ 786.781 χ^2 /NDF: 10.4/17

Left Out: 2019.326 $\pm$ 481.340 χ^2 /NDF:27.1/24

Right Out: 1971.967 $\pm$ 725.754 χ^2 /NDF: 24.6/20

Left In: 2916.079 $\pm$ 489.445 χ^2 /NDF:28.8/22

Left: 2460.216 $\pm$ 343.188 χ^2 /NDF: 57.7/47

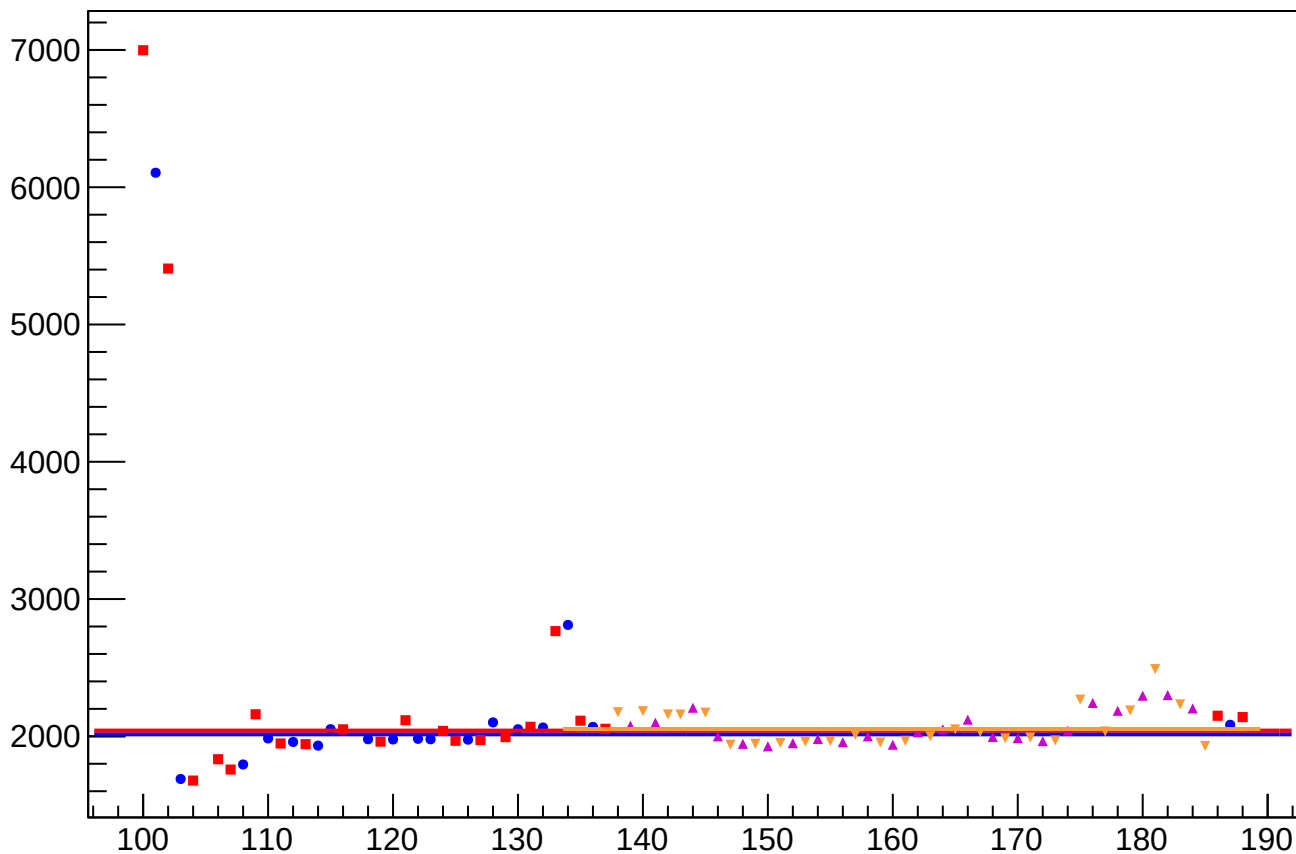
Right: 2393.712 $\pm$ 533.458 χ^2 /NDF: 35.8/38

In: 2908.626 $\pm$ 415.592 χ^2 /NDF:39.3/40

Out: 2004.858 $\pm$ 401.135 χ^2 /NDF:51.7/45

All: 2440.749 $\pm$ 288.621 χ^2 /NDF: 93.4/86

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 2014.477+/-0.556 χ^2/NDF : 618051.7/17

Left Out: 2053.296+/-0.340 χ^2/NDF :136888.1/24

Right Out: 2041.701+/-0.513 χ^2/NDF : 603819.2/20

Left In: 2047.277+/-0.346 χ^2/NDF :103001.2/22

Left: 2050.337+/-0.243 χ^2/NDF : 240043.0/47

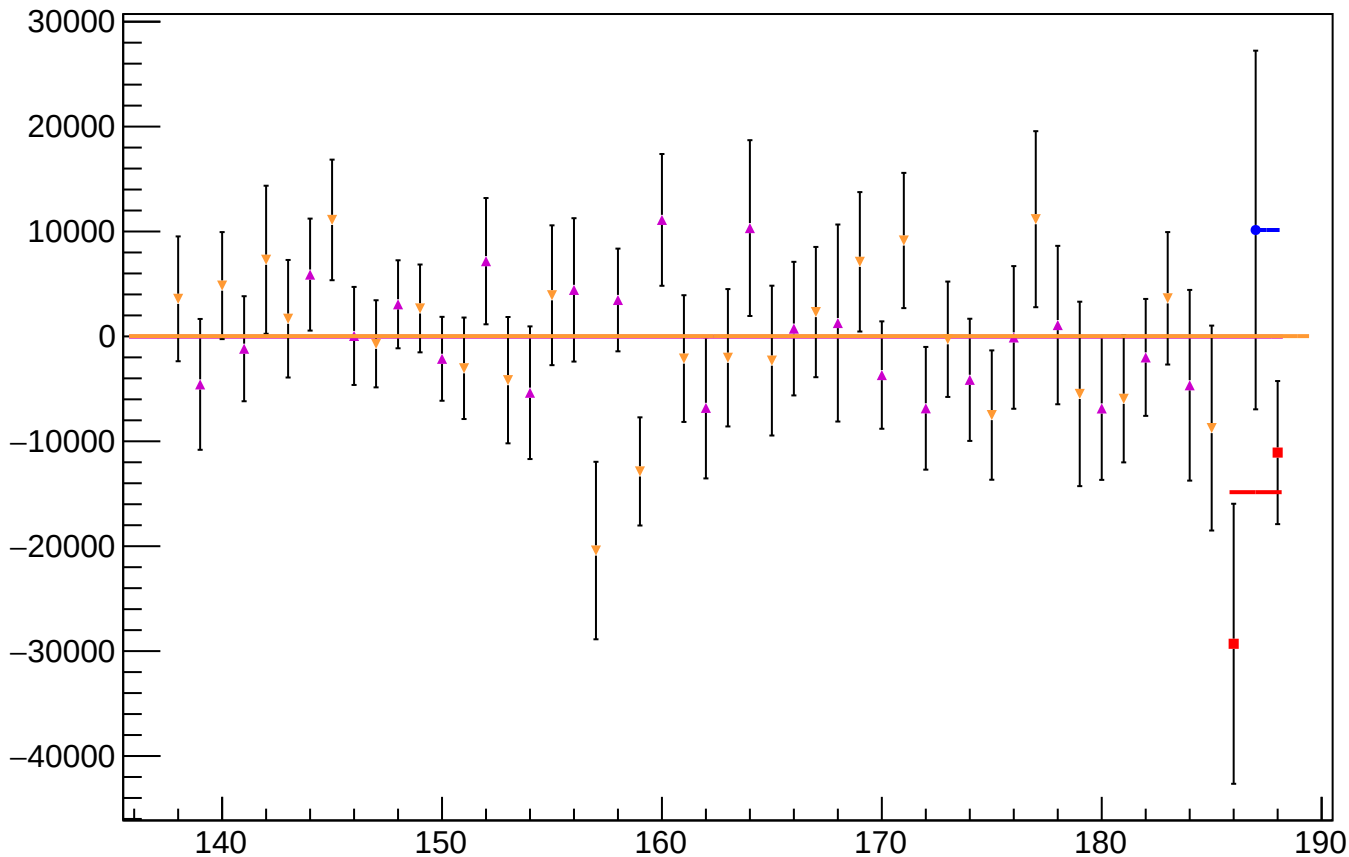
Right: 2029.189+/-0.377 χ^2/NDF : 1223164.9/38

In: 2038.126+/-0.294 χ^2/NDF :723559.0/40

Out: 2049.752+/-0.284 χ^2/NDF :741062.0/45

All: 2044.145+/-0.204 χ^2/NDF : 1465431.4/86

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: 10142.297 $\pm$ 17094.933 χ^2 /NDF: 0.0/0

Left Out: 25.977 $\pm$ 1194.625 χ^2 /NDF:29.2/24

Right Out: -14849.215 $\pm$ 6073.427 χ^2 /NDF: 1.5/1

Left In: -23.765 $\pm$ 1211.652 χ^2 /NDF:15.2/22

Left: 1.458 $\pm$ 850.684 χ^2 /NDF: 44.4/47

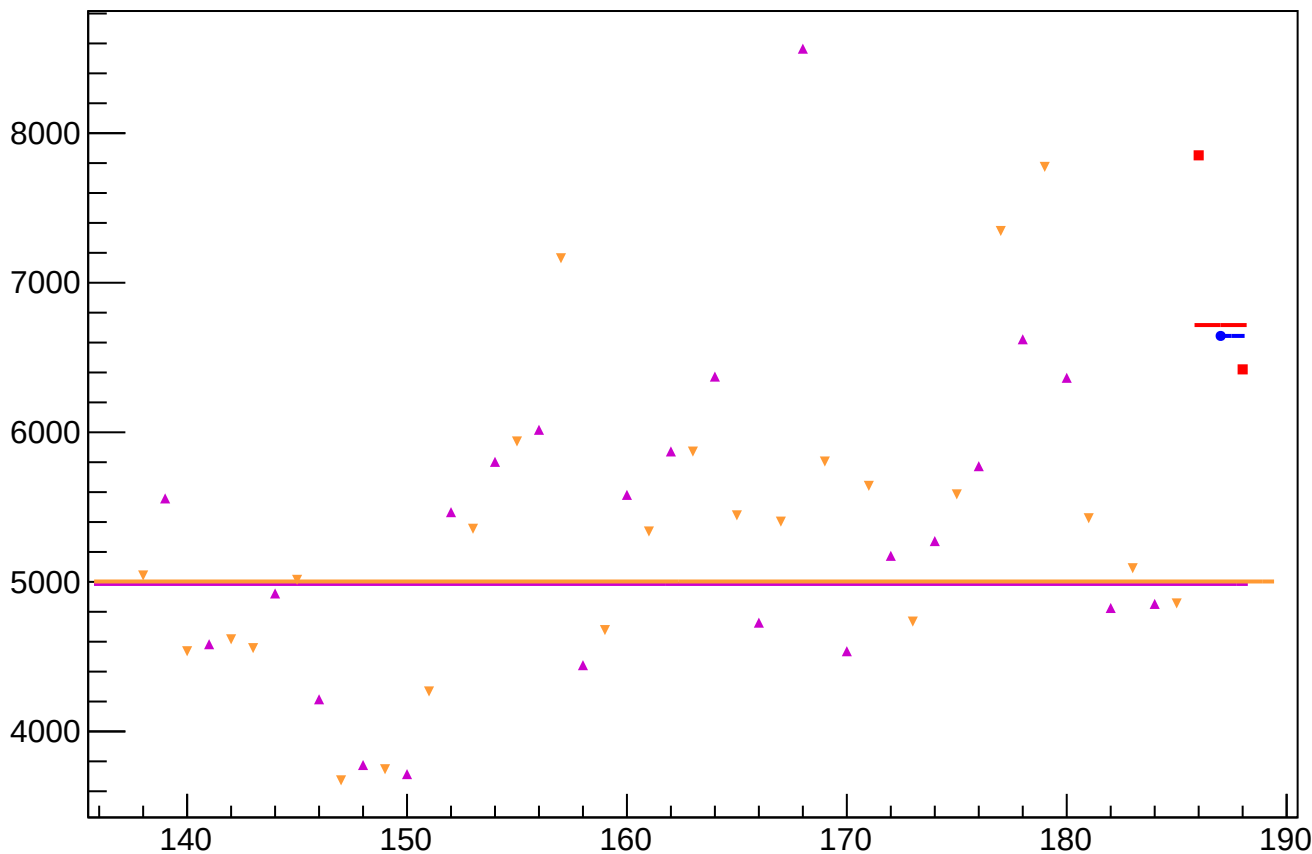
Right: -12048.289 $\pm$ 5722.976 χ^2 /NDF: 3.4/2

In: 27.050 $\pm$ 1208.620 χ^2 /NDF:15.6/23

Out: -528.103 $\pm$ 1172.165 χ^2 /NDF:36.5/26

All: -259.025 $\pm$ 841.439 χ^2 /NDF: 52.2/50

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 6644.416+/-12.088 χ^2/NDF : 0.0/0

Left Out: 5002.559+/-0.845 χ^2/NDF :1145597.1/24

Right Out: 6717.073+/-4.295 χ^2/NDF : 18230.8/1

Left In: 4986.169+/-0.857 χ^2/NDF :1197602.7/22

Left: 4994.480+/-0.602 χ^2/NDF : 2343385.4/47

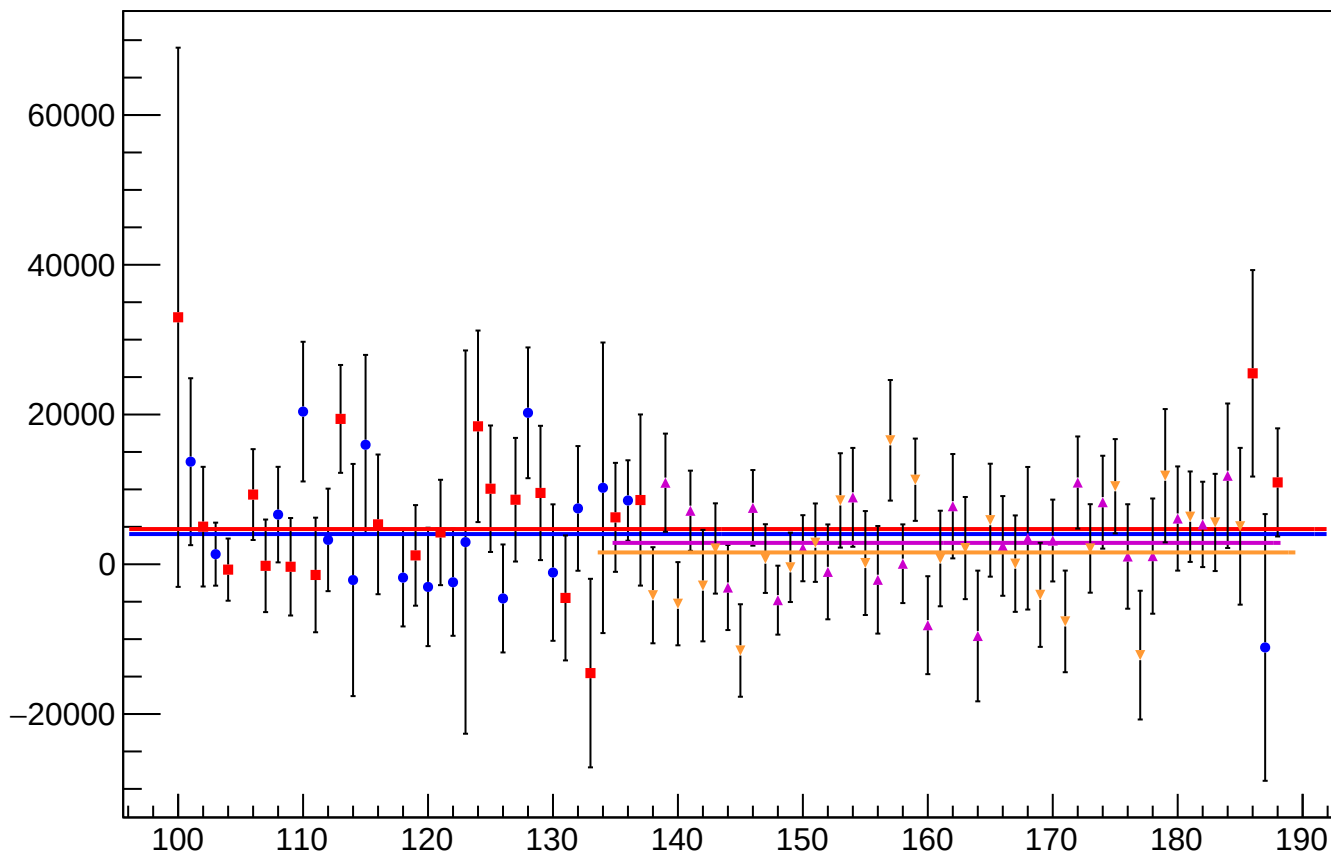
Right: 6708.930+/-4.047 χ^2/NDF : 18262.9/2

In: 4994.458+/-0.855 χ^2/NDF :1216327.5/23

Out: 5066.422+/-0.829 χ^2/NDF :1317275.1/26

All: 5031.542+/-0.595 χ^2/NDF : 2537256.4/50

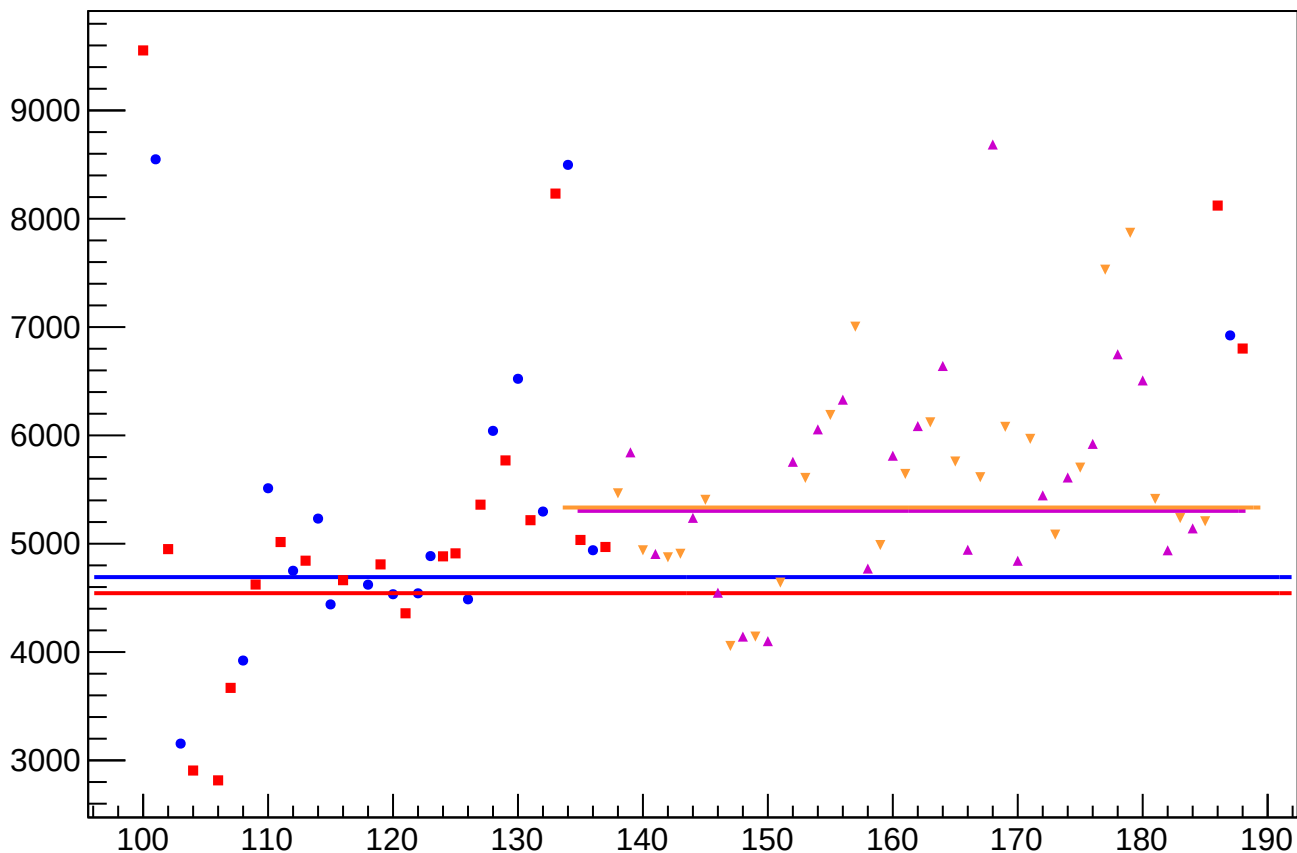
asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.010+/-1847.778 χ^2/NDF : 14.8/17
 Left Out: 1580.515+/-1266.098 χ^2/NDF : 25.2/24
 Right Out: 4704.791+/-1665.678 χ^2/NDF : 18.0/20
 Left In: 2856.480+/-1284.131 χ^2/NDF : 18.1/22

Left: 2209.475+/-901.574 χ^2/NDF : 43.8/47
 Right: 4404.073+/-1237.197 χ^2/NDF : 32.9/38
 In: 3239.974+/-1054.492 χ^2/NDF : 33.2/40
 Out: 2724.601+/-1007.966 χ^2/NDF : 45.4/45
 All: 2970.668+/-728.633 χ^2/NDF : 78.7/86

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4691.748 $\pm$ 1.307 χ^2/NDF : 809589.4/17

Left Out: 5334.221 $\pm$ 0.895 χ^2/NDF :865414.3/24

Right Out: 4543.372 $\pm$ 1.171 χ^2/NDF : 1185781.6/20

Left In: 5303.321 $\pm$ 0.908 χ^2/NDF :960356.0/22

Left: 5318.989 $\pm$ 0.638 χ^2/NDF : 1826357.5/47

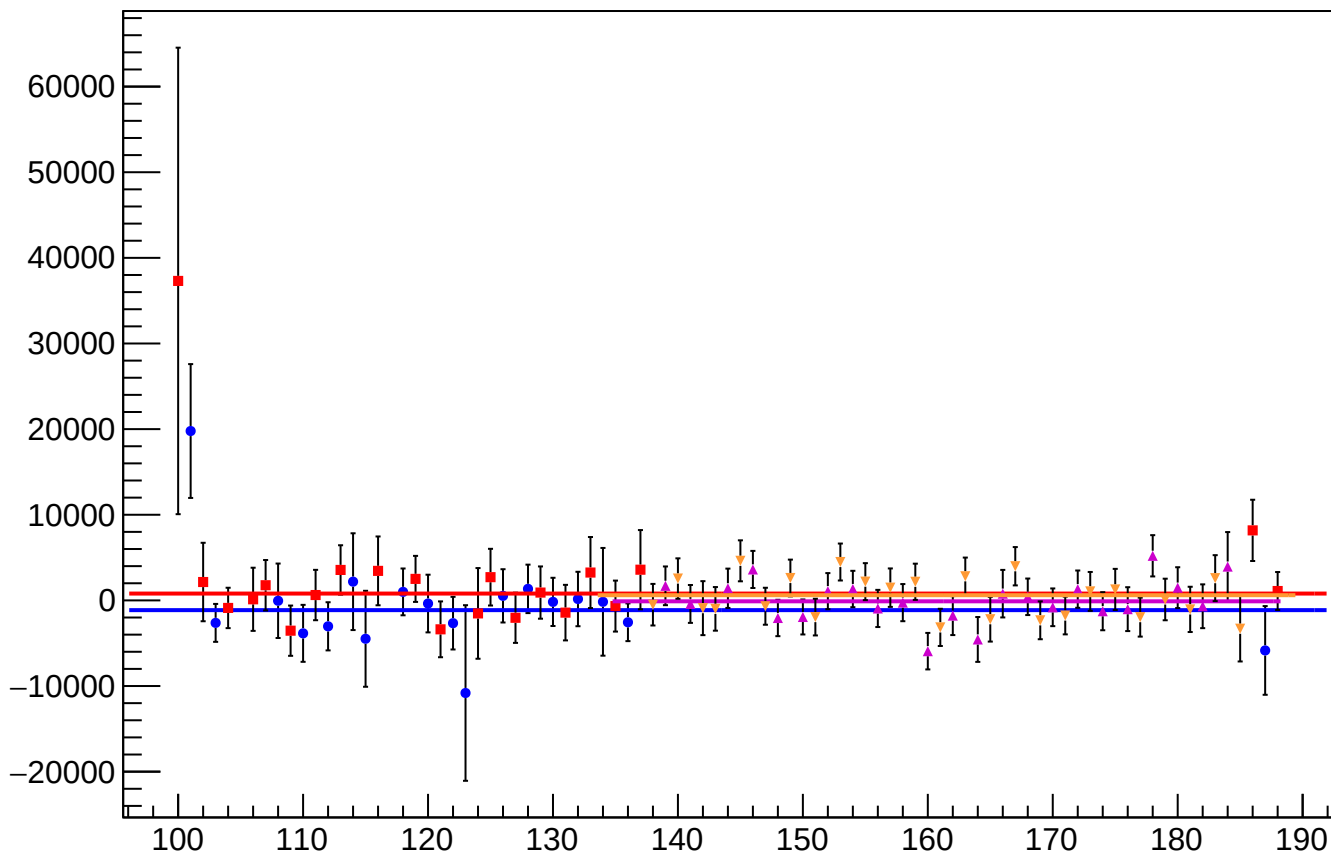
Right: 4609.494 $\pm$ 0.872 χ^2/NDF : 2002520.0/38

In: 5104.145 $\pm$ 0.746 χ^2/NDF :1917684.3/40

Out: 5042.633 $\pm$ 0.711 χ^2/NDF :2338908.7/45

All: 5071.941 $\pm$ 0.515 χ^2/NDF : 4260156.0/86

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1138.388 ± 787.337 χ^2/NDF : 13.9/17

Left Out: 605.796 ± 469.397 χ^2/NDF : 25.2/24

Right Out: 797.247 ± 705.536 χ^2/NDF : 15.3/20

Left In: -108.365 ± 477.899 χ^2/NDF : 25.0/22

Left: 255.125 ± 334.879 χ^2/NDF : 51.4/47

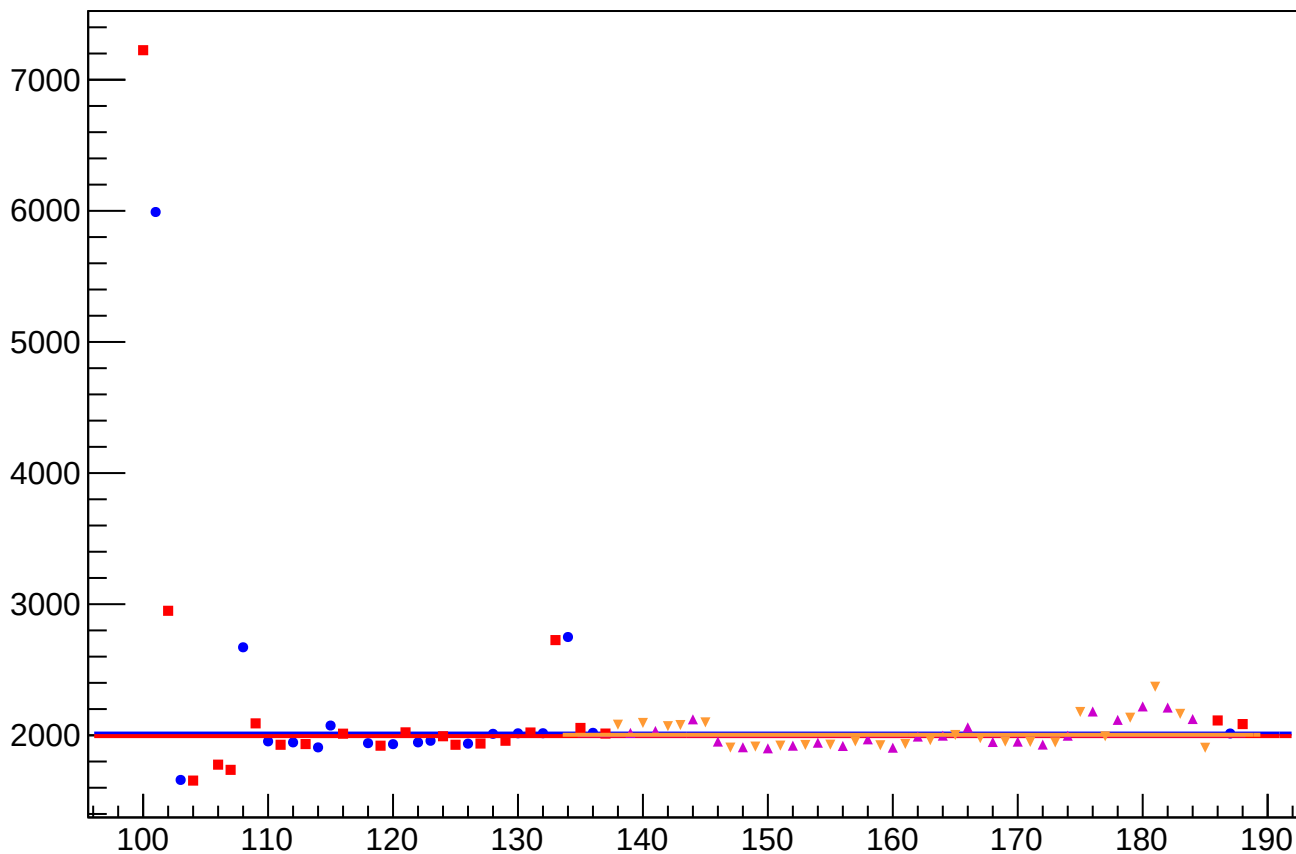
Right: -64.826 ± 525.437 χ^2/NDF : 32.5/38

In: -385.681 ± 408.531 χ^2/NDF : 40.1/40

Out: 664.538 ± 390.807 χ^2/NDF : 40.6/45

All: 162.703 ± 282.401 χ^2/NDF : 84.1/86

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 2013.282 $\pm$ 0.557 χ^2 /NDF: 650048.6/17

Left Out: 2003.987 $\pm$ 0.332 χ^2 /NDF:99981.7/24

Right Out: 1993.728 $\pm$ 0.498 χ^2 /NDF: 301471.5/20

Left In: 2000.119 $\pm$ 0.338 χ^2 /NDF:79688.8/22

Left: 2002.088 $\pm$ 0.237 χ^2 /NDF: 179737.2/47

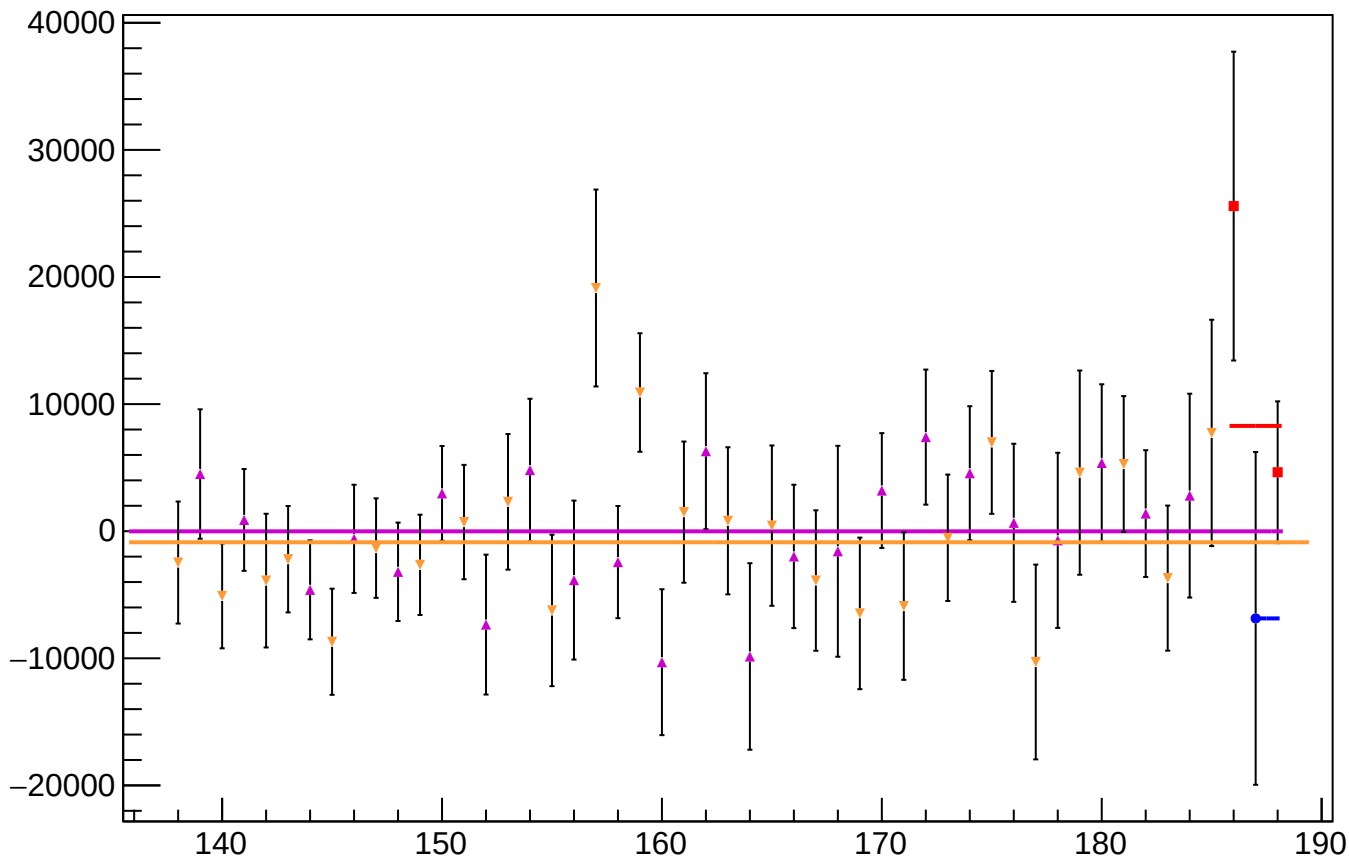
Right: 2002.428 $\pm$ 0.371 χ^2 /NDF: 952204.9/38

In: 2003.663 $\pm$ 0.289 χ^2 /NDF:730145.9/40

Out: 2000.836 $\pm$ 0.276 χ^2 /NDF:401746.8/45

All: 2002.186 $\pm$ 0.200 χ^2 /NDF: 1131942.8/86

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: -6861.860+/-13090.382 χ^2/NDF : 0.0/0

Left Out: -871.296+/-1043.390 χ^2/NDF : 28.3/24

Right Out: 8284.366+/-5068.583 χ^2/NDF : 2.5/1

Left In: -10.945+/-1070.258 χ^2/NDF : 17.2/22

Left: -452.055+/-747.106 χ^2/NDF : 45.8/47

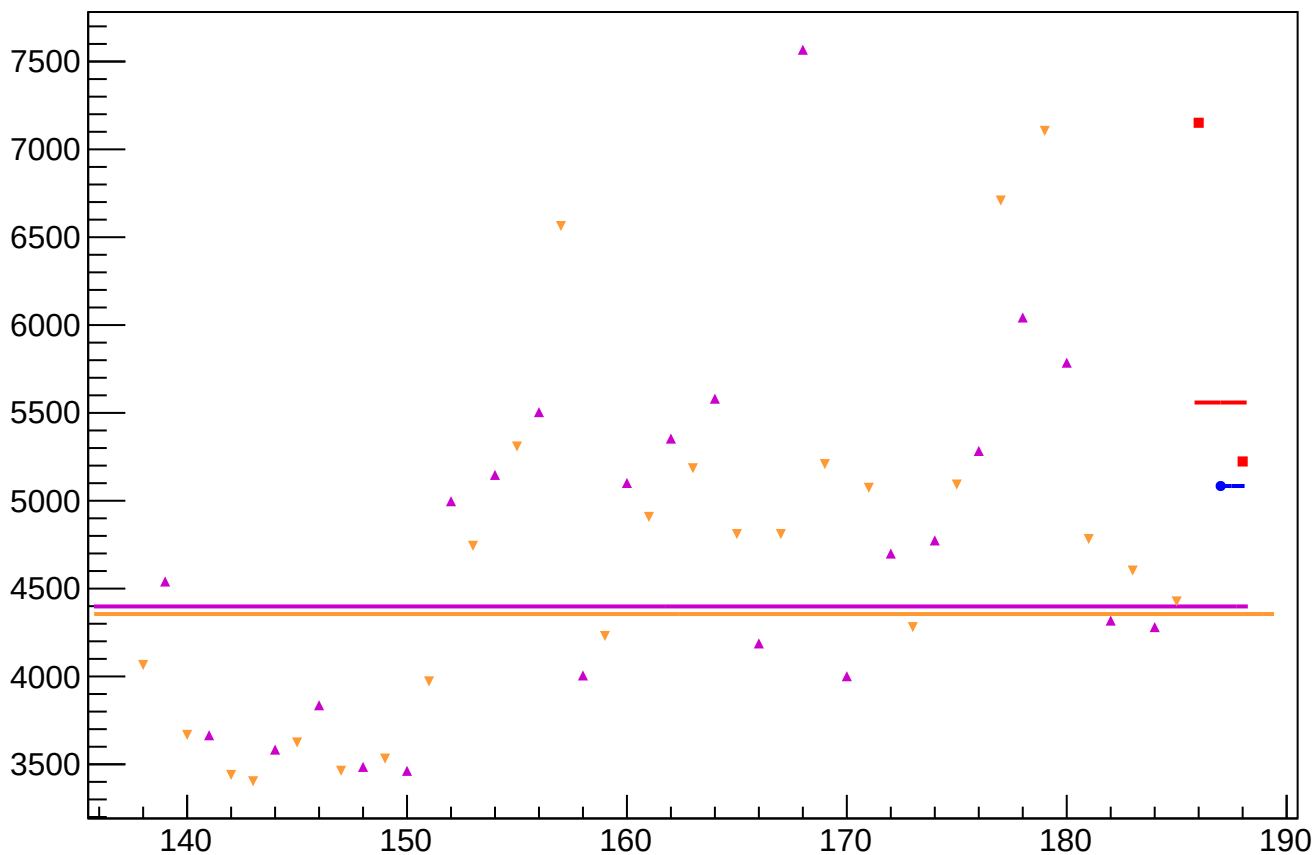
Right: 6309.652+/-4726.636 χ^2/NDF : 3.6/2

In: -56.436+/-1066.699 χ^2/NDF : 17.4/23

Out: -499.088+/-1021.961 χ^2/NDF : 33.9/26

All: -287.239+/-737.945 χ^2/NDF : 51.5/50

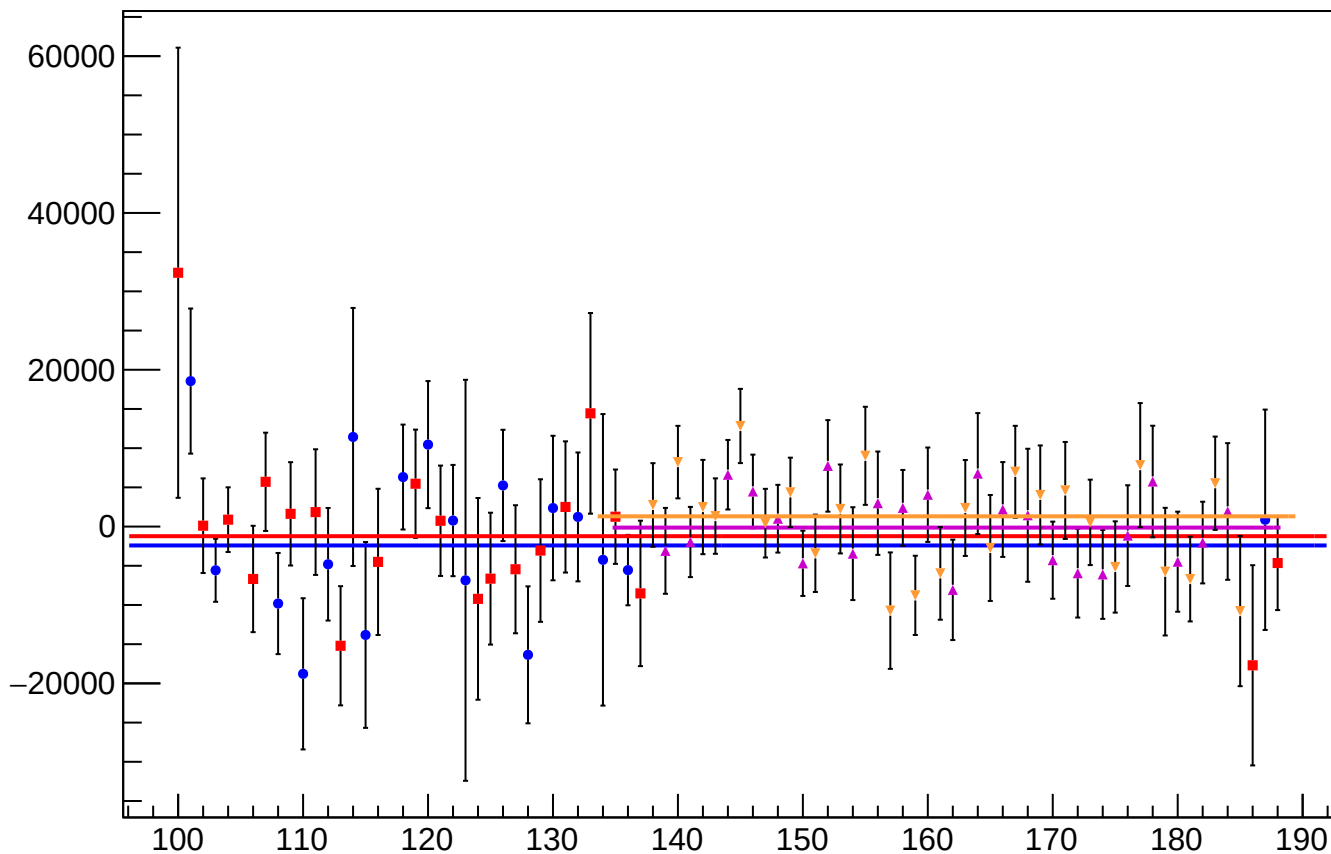
asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 5083.877+/-9.256 χ^2/NDF : 0.0/0
 Left Out: 4355.202+/-0.738 χ^2/NDF : 1350492.3/24
 Right Out: 5559.138+/-3.584 χ^2/NDF : 41591.1/1
 Left In: 4398.421+/-0.757 χ^2/NDF : 1278784.1/22

Left: 4376.262+/-0.528 χ^2/NDF : 2630948.5/47
 Right: 5497.175+/-3.342 χ^2/NDF : 43883.6/2
 In: 4402.972+/-0.754 χ^2/NDF : 1284231.5/23
 Out: 4404.146+/-0.723 χ^2/NDF : 1500336.2/26
 All: 4403.584+/-0.522 χ^2/NDF : 2784569.0/50

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2408.669 $\pm$ 1782.773 χ^2 /NDF: 20.9/17

Left Out: 1306.805 $\pm$ 1131.617 χ^2 /NDF:28.1/24

Right Out: -1225.700 $\pm$ 1613.564 χ^2 /NDF: 14.0/20

Left In: -131.428 $\pm$ 1157.282 χ^2 /NDF:14.9/22

Left: 603.813 $\pm$ 809.096 χ^2 /NDF: 43.8/47

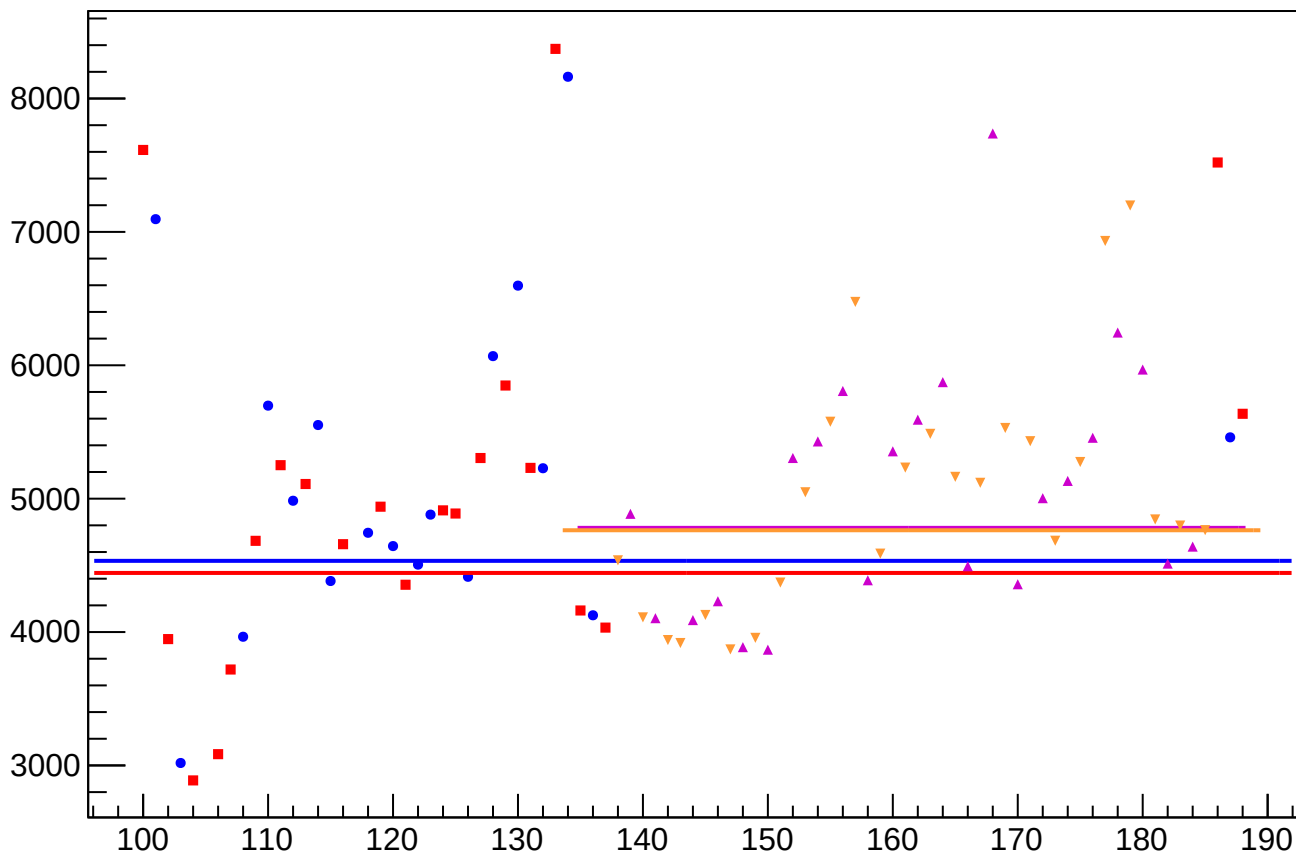
Right: -1758.393 $\pm$ 1196.322 χ^2 /NDF: 35.1/38

In: -806.549 $\pm$ 970.694 χ^2 /NDF:36.9/40

Out: 471.867 $\pm$ 926.484 χ^2 /NDF:43.8/45

All: -137.566 $\pm$ 670.208 χ^2 /NDF: 81.6/86

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4533.828+/-1.261 χ^2/NDF : 779050.6/17

Left Out: 4763.190+/-0.800 χ^2/NDF : 941856.9/24

Right Out: 4443.169+/-1.135 χ^2/NDF : 982133.7/20

Left In: 4781.172+/-0.818 χ^2/NDF : 951542.2/22

Left: 4771.979+/-0.572 χ^2/NDF : 1893645.9/47

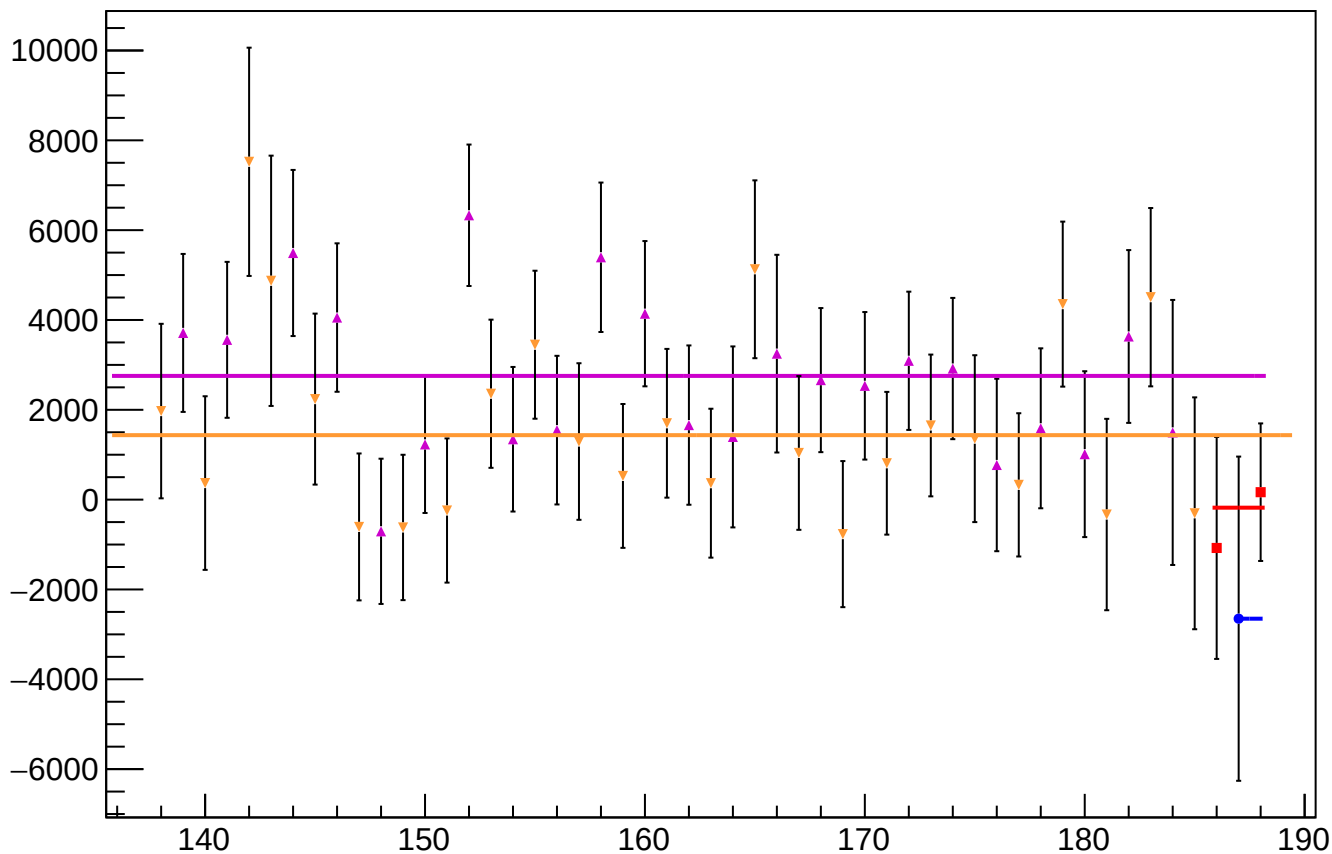
Right: 4483.765+/-0.844 χ^2/NDF : 1764040.3/38

In: 4707.843+/-0.686 χ^2/NDF : 1757677.7/40

Out: 4656.964+/-0.654 χ^2/NDF : 1977083.8/45

All: 4681.176+/-0.473 χ^2/NDF : 3737641.5/86

dit_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: -2650.892 ± 3609.305 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 1435.504 ± 358.178 $\chi^2/\text{NDF}: 26.7/24$

Right Out: -178.989 ± 1301.638 $\chi^2/\text{NDF}: 0.2/1$

Left In: 2754.889 ± 361.672 $\chi^2/\text{NDF}: 22.4/22$

Left: 2088.793 ± 254.496 $\chi^2/\text{NDF}: 55.8/47$

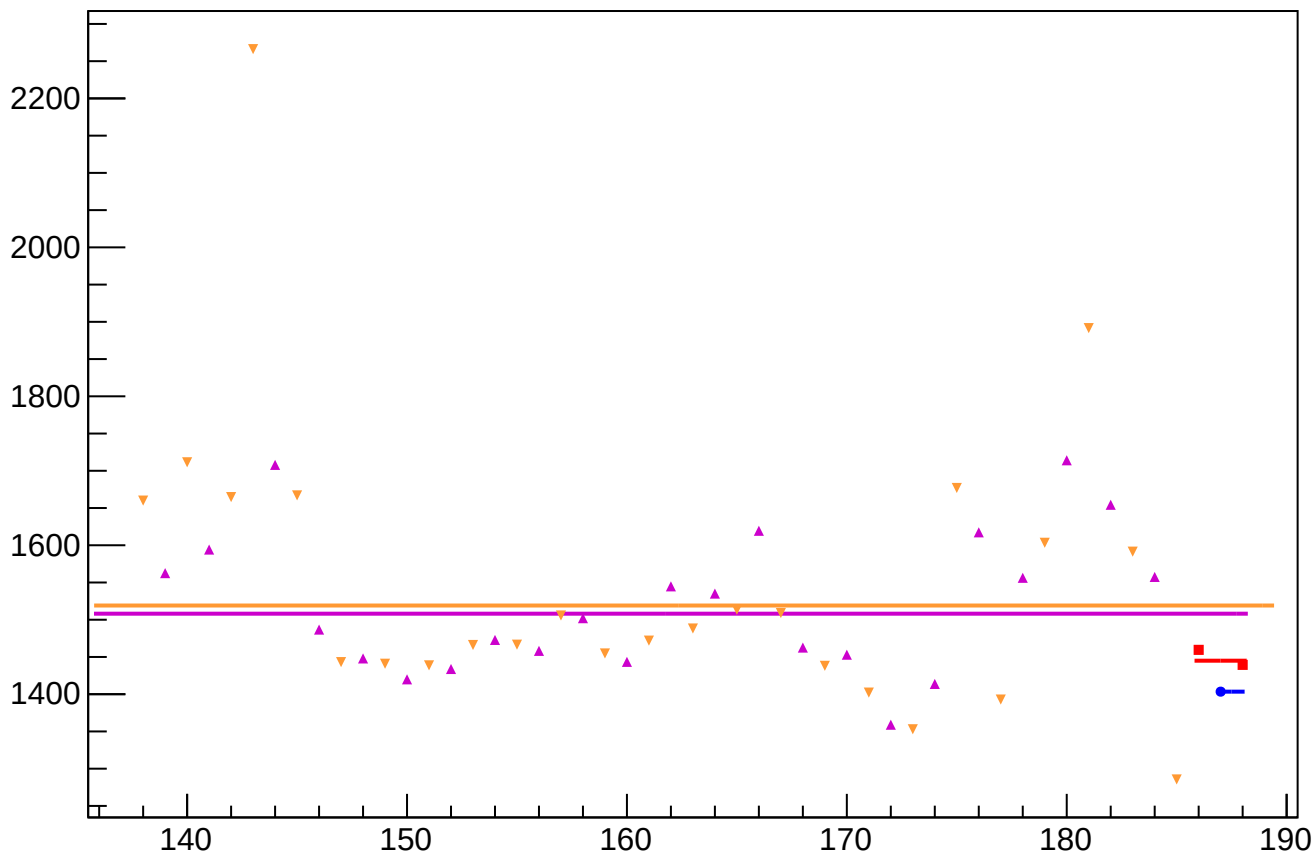
Right: -463.478 ± 1224.448 $\chi^2/\text{NDF}: 0.6/2$

In: 2701.148 ± 359.869 $\chi^2/\text{NDF}: 24.6/23$

Out: 1321.858 ± 345.342 $\chi^2/\text{NDF}: 28.4/26$

All: 1983.101 ± 249.171 $\chi^2/\text{NDF}: 60.6/50$

dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1403.425+/-2.552 χ^2/NDF : 0.0/0

Left Out: 1519.092+/-0.253 χ^2/NDF :365839.2/24

Right Out: 1444.994+/-0.920 χ^2/NDF : 96.1/1

Left In: 1508.111+/-0.256 χ^2/NDF :131488.7/22

Left: 1513.655+/-0.180 χ^2/NDF : 498258.6/47

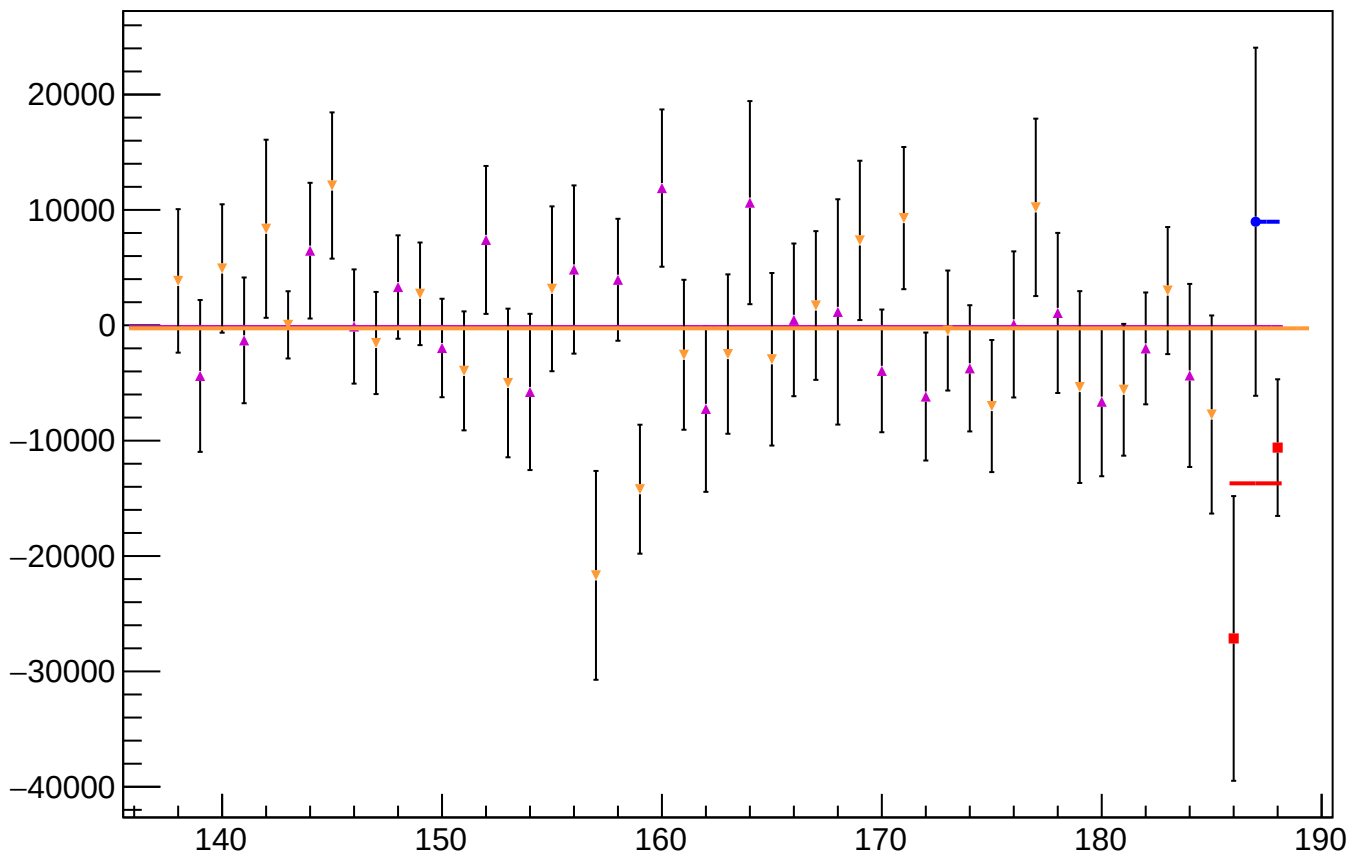
Right: 1440.210+/-0.866 χ^2/NDF : 330.8/2

In: 1507.071+/-0.254 χ^2/NDF :133154.5/23

Out: 1513.876+/-0.244 χ^2/NDF :371960.3/26

All: 1510.614+/-0.176 χ^2/NDF : 505487.2/50

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



Right In: 8975.199+/-15086.703 χ^2/NDF : 0.0/0

Left Out: -264.324+/-1151.119 χ^2/NDF :29.7/24

Right Out: -13699.226+/-5338.811 χ^2/NDF : 1.5/1

Left In: -151.239+/-1241.800 χ^2/NDF :14.9/22

Left: -212.060+/-844.204 χ^2/NDF : 44.6/47

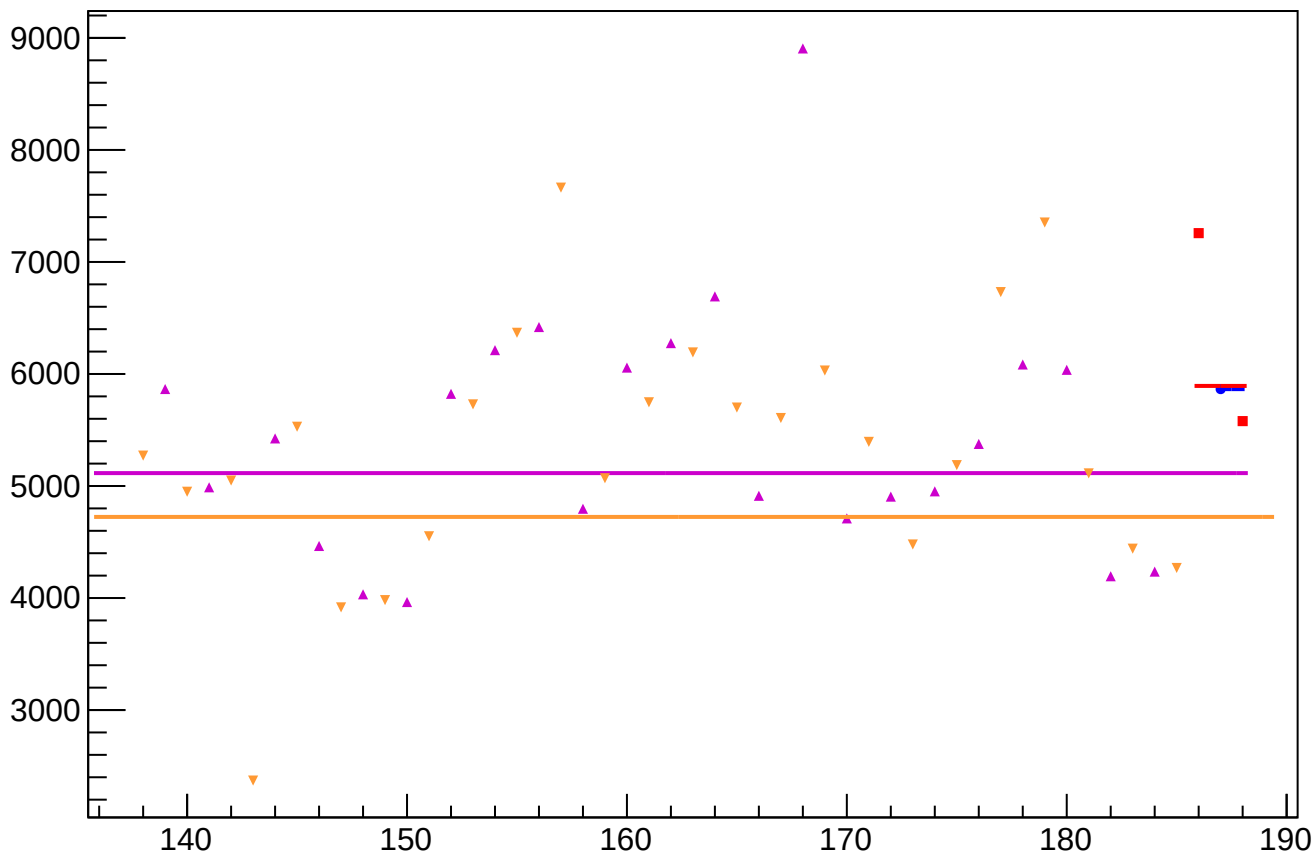
Right: -11175.767+/-5032.970 χ^2/NDF : 3.5/2

In: -89.823+/-1237.614 χ^2/NDF :15.2/23

Out: -861.154+/-1125.260 χ^2/NDF :37.2/26

All: -512.082+/-832.573 χ^2/NDF : 52.6/50

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



Right In: 5864.843+/-10.668 χ^2/NDF : 0.0/0

Left Out: 4724.027+/-0.814 χ^2/NDF : 2537532.1/24

Right Out: 5893.463+/-3.775 χ^2/NDF : 30066.2/1

Left In: 5115.139+/-0.878 χ^2/NDF : 1131347.2/22

Left: 4904.783+/-0.597 χ^2/NDF : 3775584.1/47

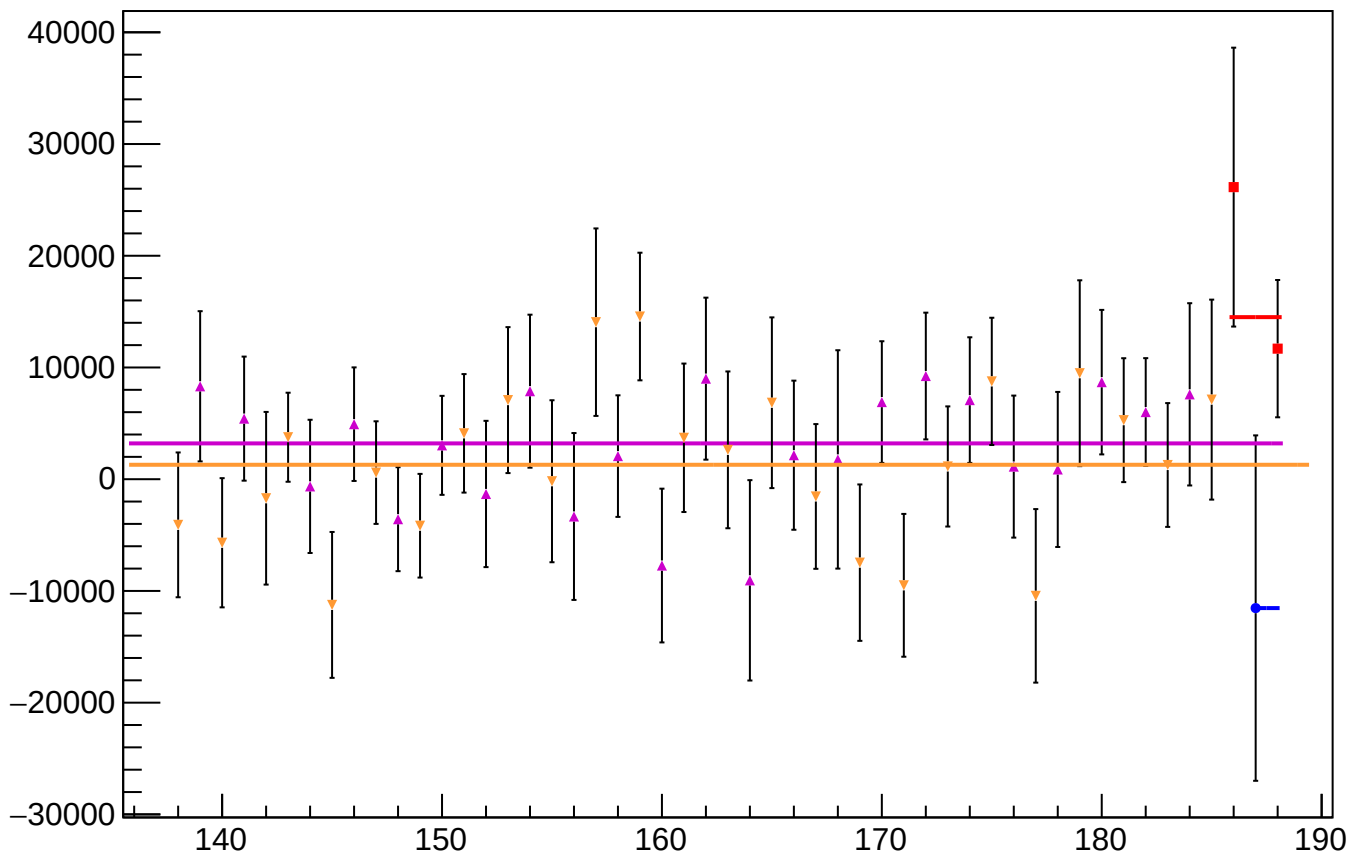
Right: 5890.278+/-3.559 χ^2/NDF : 30072.6/2

In: 5120.184+/-0.875 χ^2/NDF : 1136252.7/23

Out: 4775.978+/-0.796 χ^2/NDF : 2659296.3/26

All: 4931.751+/-0.589 χ^2/NDF : 3880239.8/50

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: -11535.233+/-15458.115 χ^2/NDF : 0.0/0

Left Out: 1292.246+/-1215.761 χ^2/NDF : 27.8/24

Right Out: 14505.726+/-5512.647 χ^2/NDF : 1.1/1

Left In: 3205.363+/-1265.586 χ^2/NDF : 13.9/22

Left: 2210.405+/-876.758 χ^2/NDF : 42.9/47

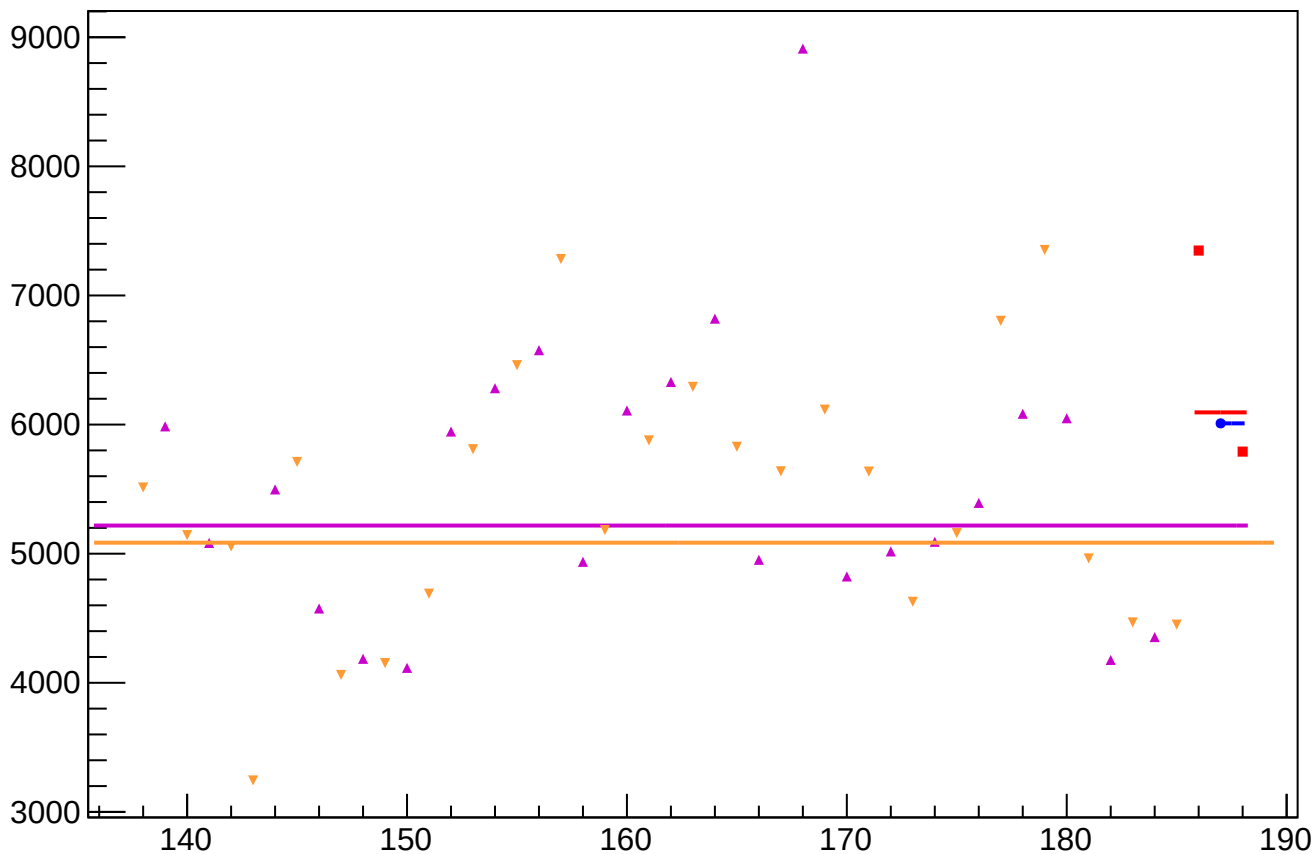
Right: 11567.588+/-5192.353 χ^2/NDF : 3.6/2

In: 3107.215+/-1261.366 χ^2/NDF : 14.8/23

Out: 1905.115+/-1187.232 χ^2/NDF : 34.4/26

All: 2469.803+/-864.520 χ^2/NDF : 49.6/50

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 6009.383+/-10.931 χ^2/NDF : 0.0/0

Left Out: 5085.307+/-0.860 χ^2/NDF :1356698.4/24

Right Out: 6094.409+/-3.898 χ^2/NDF : 25064.8/1

Left In: 5217.971+/-0.895 χ^2/NDF :1058996.1/22

Left: 5148.976+/-0.620 χ^2/NDF : 2427123.8/47

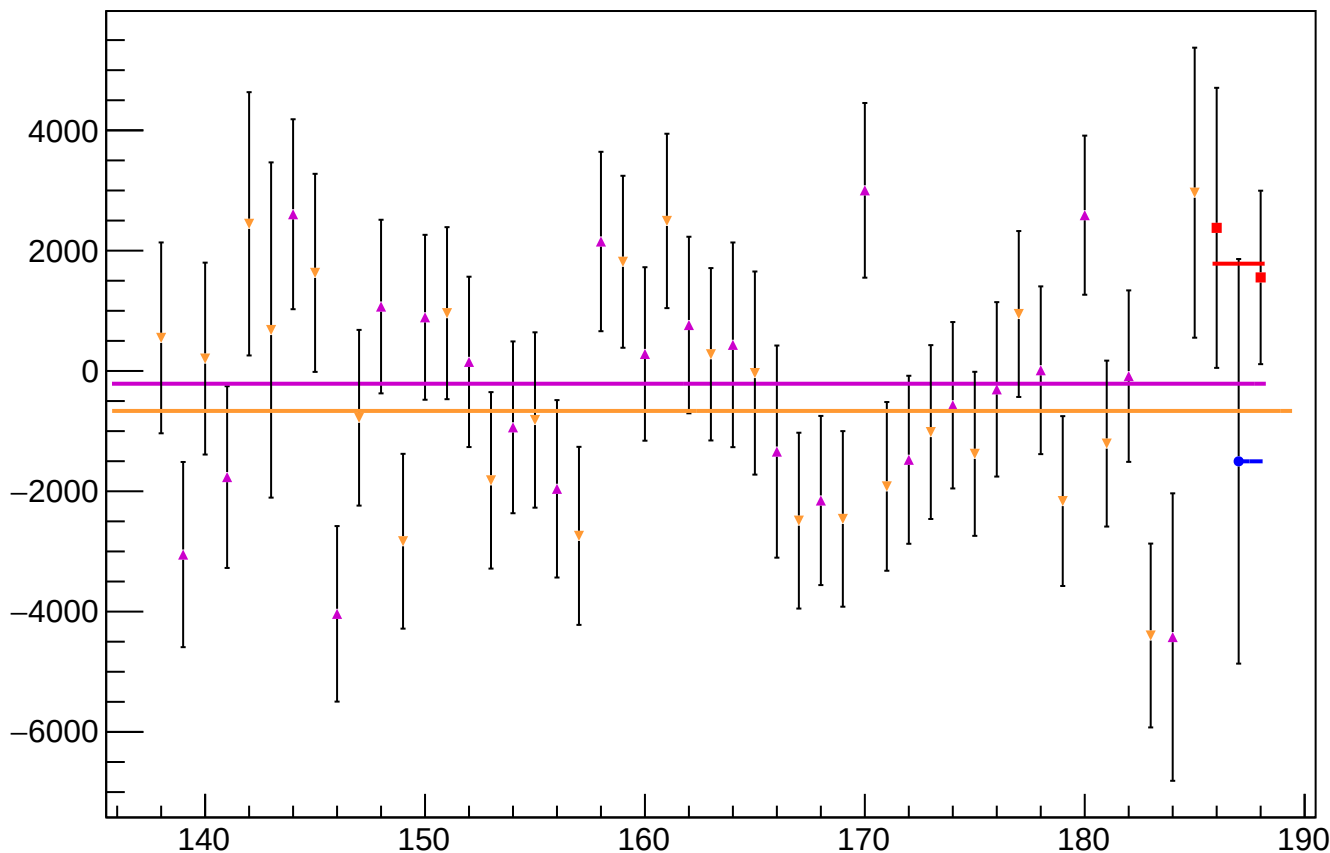
Right: 6084.815+/-3.672 χ^2/NDF : 25118.5/2

In: 5223.241+/-0.892 χ^2/NDF :1064203.5/23

Out: 5132.111+/-0.839 χ^2/NDF :1445671.0/26

All: 5174.919+/-0.611 χ^2/NDF : 2515409.9/50

dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -1501.989 ± 3362.818 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -664.362 ± 305.119 $\chi^2/\text{NDF}: 34.6/24$

Right Out: 1783.340 ± 1225.578 $\chi^2/\text{NDF}: 0.1/1$

Left In: -212.071 ± 308.597 $\chi^2/\text{NDF}: 36.6/22$

Left: -440.780 ± 216.971 $\chi^2/\text{NDF}: 72.3/47$

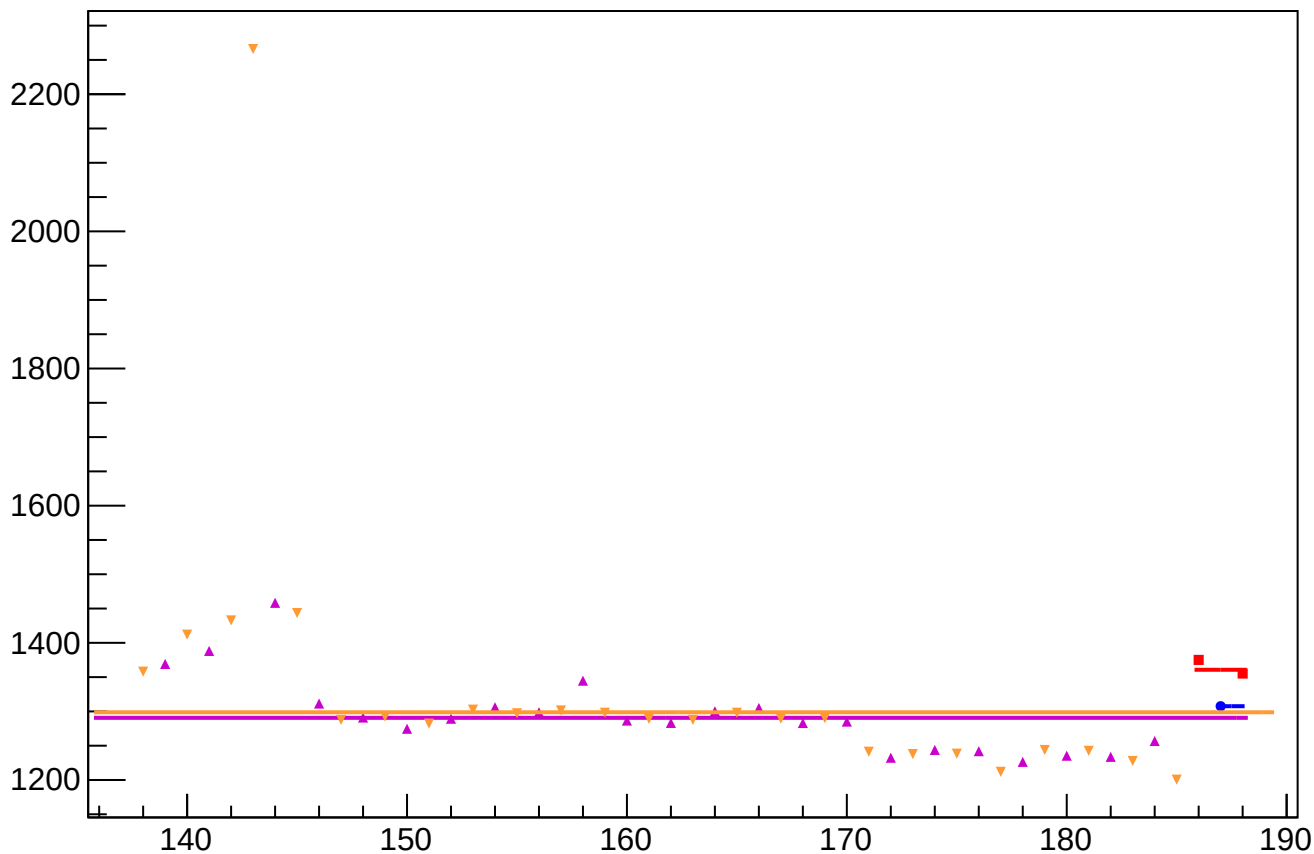
Right: 1398.135 ± 1151.489 $\chi^2/\text{NDF}: 0.9/2$

In: -222.843 ± 307.306 $\chi^2/\text{NDF}: 36.8/23$

Out: -521.506 ± 296.081 $\chi^2/\text{NDF}: 38.5/26$

All: -377.729 ± 213.219 $\chi^2/\text{NDF}: 75.7/50$

dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1307.598 $\pm$ 2.378 χ^2 /NDF: 0.0/0

Left Out: 1298.743 $\pm$ 0.216 χ^2 /NDF:310344.8/24

Right Out: 1360.720 $\pm$ 0.867 χ^2 /NDF: 105.8/1

Left In: 1290.644 $\pm$ 0.218 χ^2 /NDF:59427.8/22

Left: 1294.740 $\pm$ 0.153 χ^2 /NDF: 370469.1/47

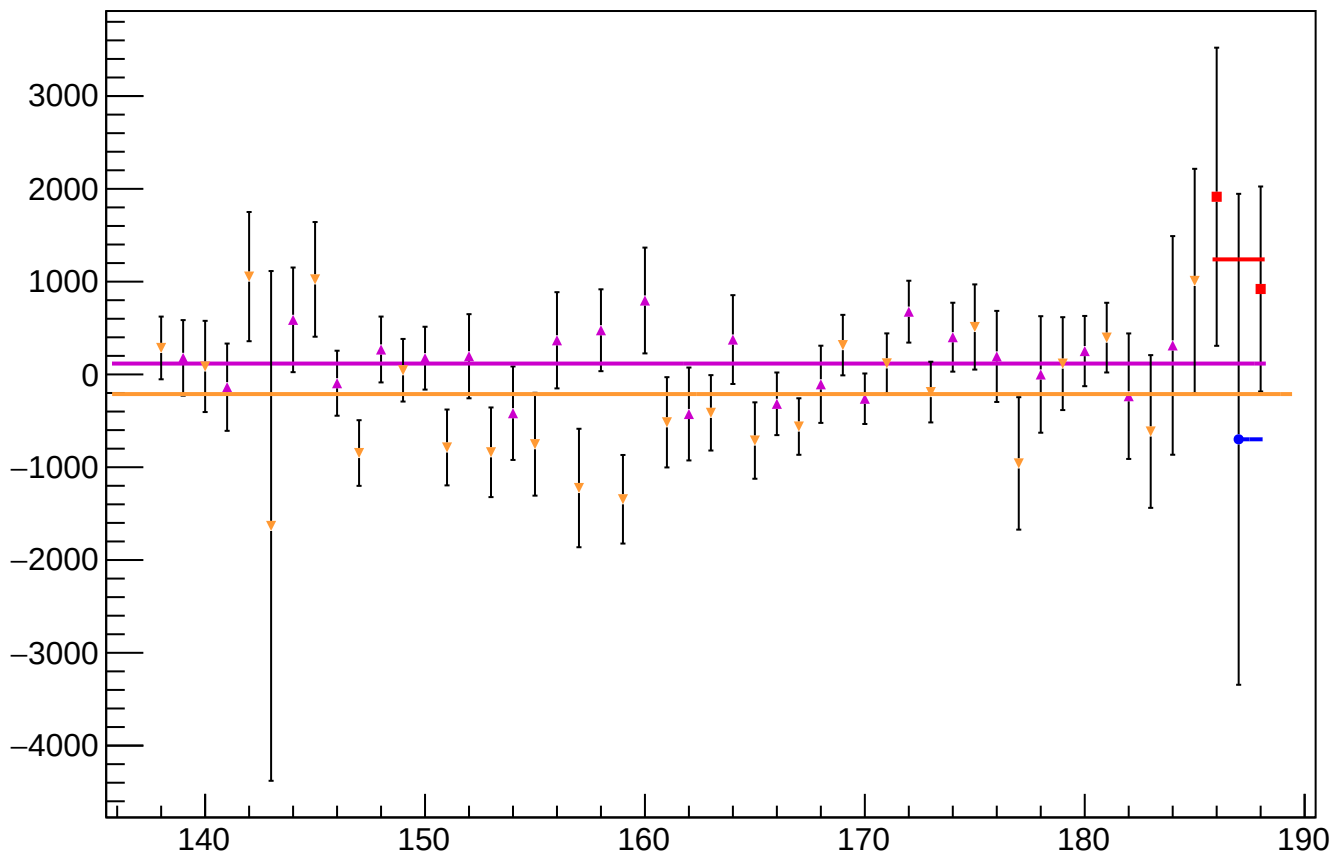
Right: 1354.491 $\pm$ 0.814 χ^2 /NDF: 546.4/2

In: 1290.786 $\pm$ 0.217 χ^2 /NDF:59478.2/23

Out: 1302.360 $\pm$ 0.209 χ^2 /NDF:315266.6/26

All: 1296.789 $\pm$ 0.151 χ^2 /NDF: 376216.1/50

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



Right In: -699.148 $\pm$ 2645.413 χ^2 /NDF: 0.0/0

Left Out: -211.646 $\pm$ 87.670 χ^2 /NDF:41.7/24

Right Out: 1239.858 $\pm$ 910.212 χ^2 /NDF: 0.3/1

Left In: 117.113 $\pm$ 88.214 χ^2 /NDF:14.3/22

Left: -48.284 $\pm$ 62.183 χ^2 /NDF: 63.0/47

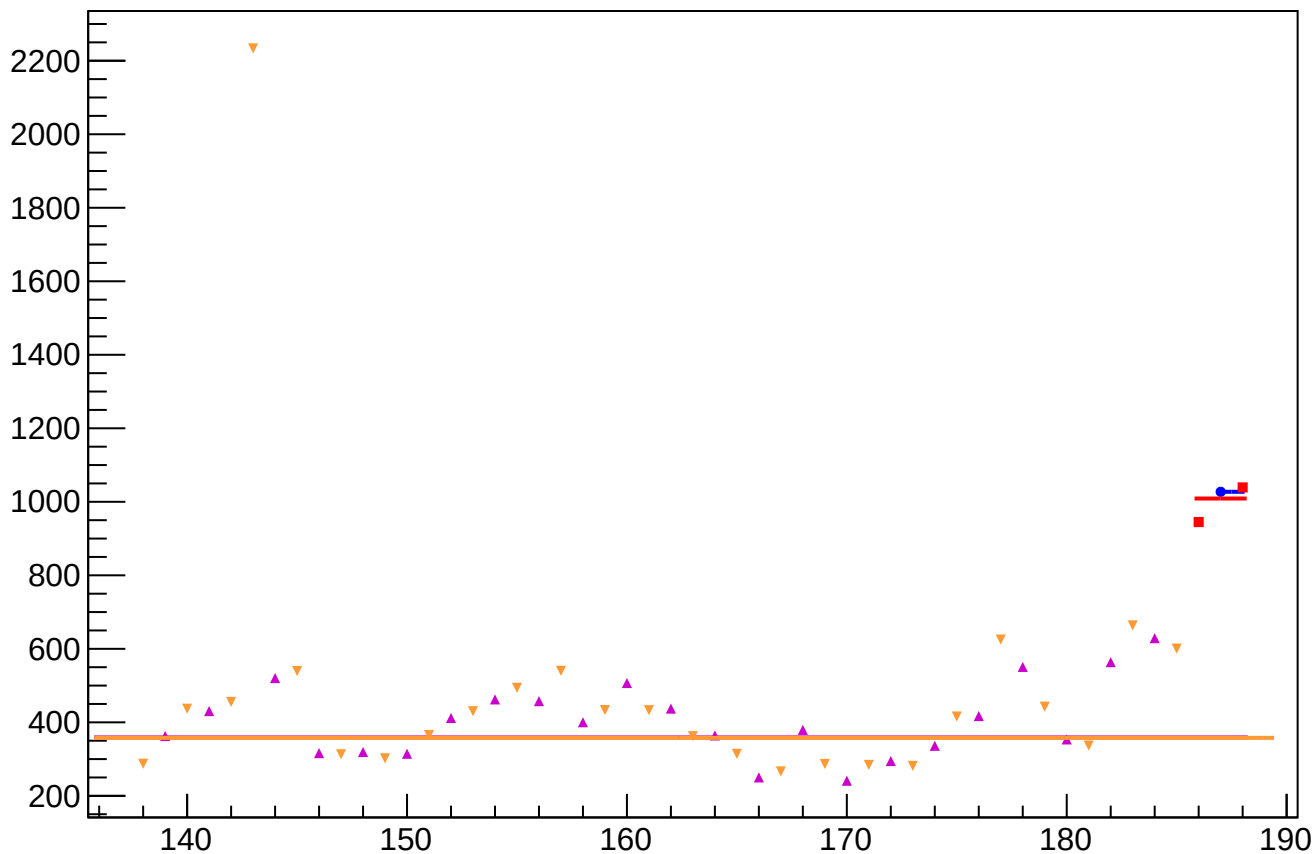
Right: 1034.606 $\pm$ 860.690 χ^2 /NDF: 0.7/2

In: 116.207 $\pm$ 88.165 χ^2 /NDF:14.4/23

Out: -198.304 $\pm$ 87.266 χ^2 /NDF:44.5/26

All: -42.661 $\pm$ 62.022 χ^2 /NDF: 65.3/50

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



Right In: 1027.263+/-1.871 χ^2/NDF : 0.0/0

Left Out: 357.749+/-0.062 χ^2/NDF : 3042055.7/24

Right Out: 1008.942+/-0.644 χ^2/NDF : 4668.3/1

Left In: 359.000+/-0.062 χ^2/NDF : 1858849.9/22

Left: 358.371+/-0.044 χ^2/NDF : 4901108.0/47

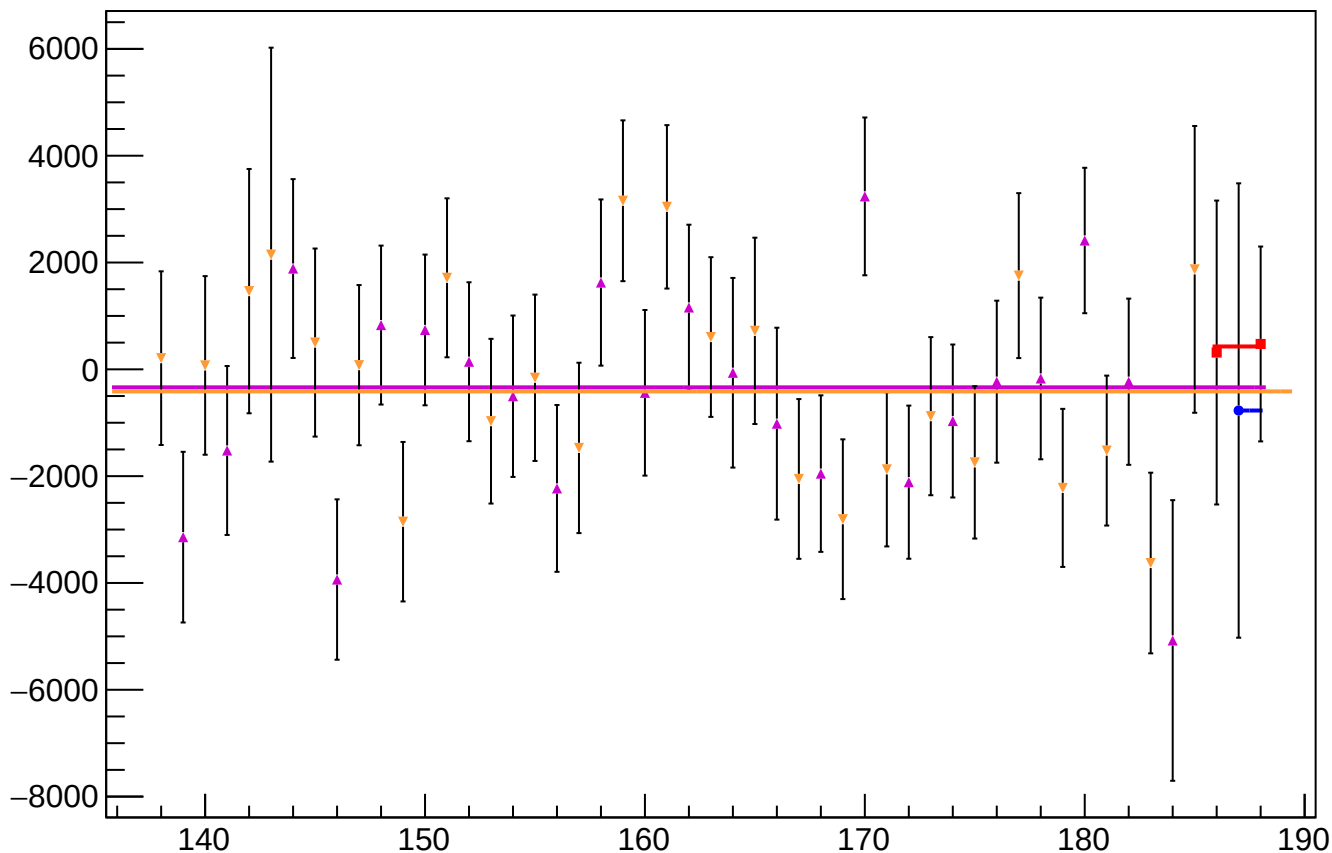
Right: 1010.881+/-0.609 χ^2/NDF : 4754.1/2

In: 359.743+/-0.062 χ^2/NDF : 1986333.5/23

Out: 363.735+/-0.062 χ^2/NDF : 4060994.1/26

All: 361.759+/-0.044 χ^2/NDF : 6049399.2/50

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.055+/-4254.110 χ^2/NDF : 0.0/0

Left Out: -413.407+/-320.677 χ^2/NDF :32.8/24

Right Out: 428.311+/-1535.833 χ^2/NDF : 0.0/1

Left In: -337.193+/-323.023 χ^2/NDF :32.8/22

Left: -375.578+/-227.578 χ^2/NDF : 65.6/47

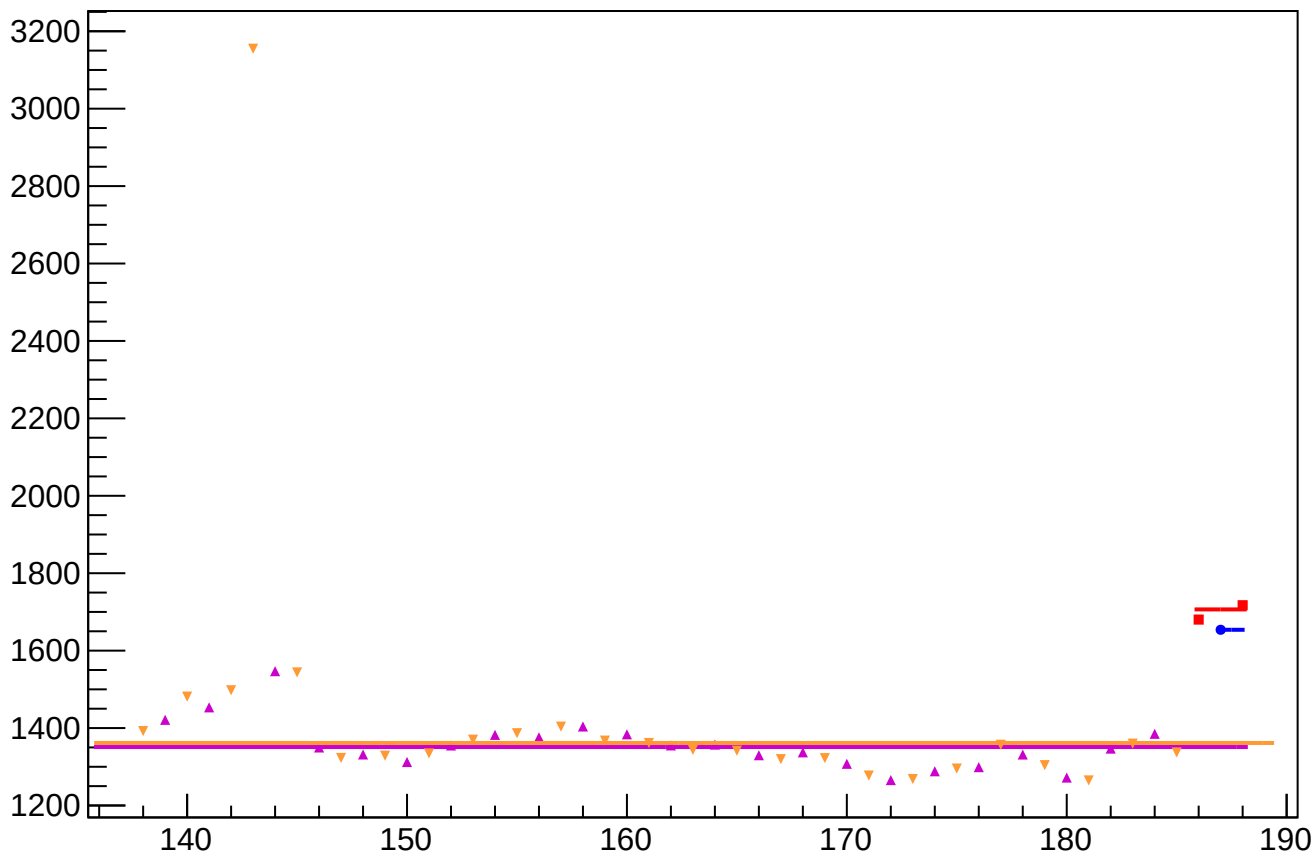
Right: 290.013+/-1444.574 χ^2/NDF : 0.1/2

In: -339.680+/-322.096 χ^2/NDF :32.8/23

Out: -378.245+/-313.907 χ^2/NDF :33.1/26

All: -359.459+/-224.805 χ^2/NDF : 65.9/50

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1653.880+/-3.008 χ^2/NDF : 0.0/0

Left Out: 1361.511+/-0.227 χ^2/NDF : 507869.8/24

Right Out: 1706.507+/-1.086 χ^2/NDF : 240.8/1

Left In: 1351.012+/-0.228 χ^2/NDF : 68978.1/22

Left: 1356.300+/-0.161 χ^2/NDF : 577911.7/47

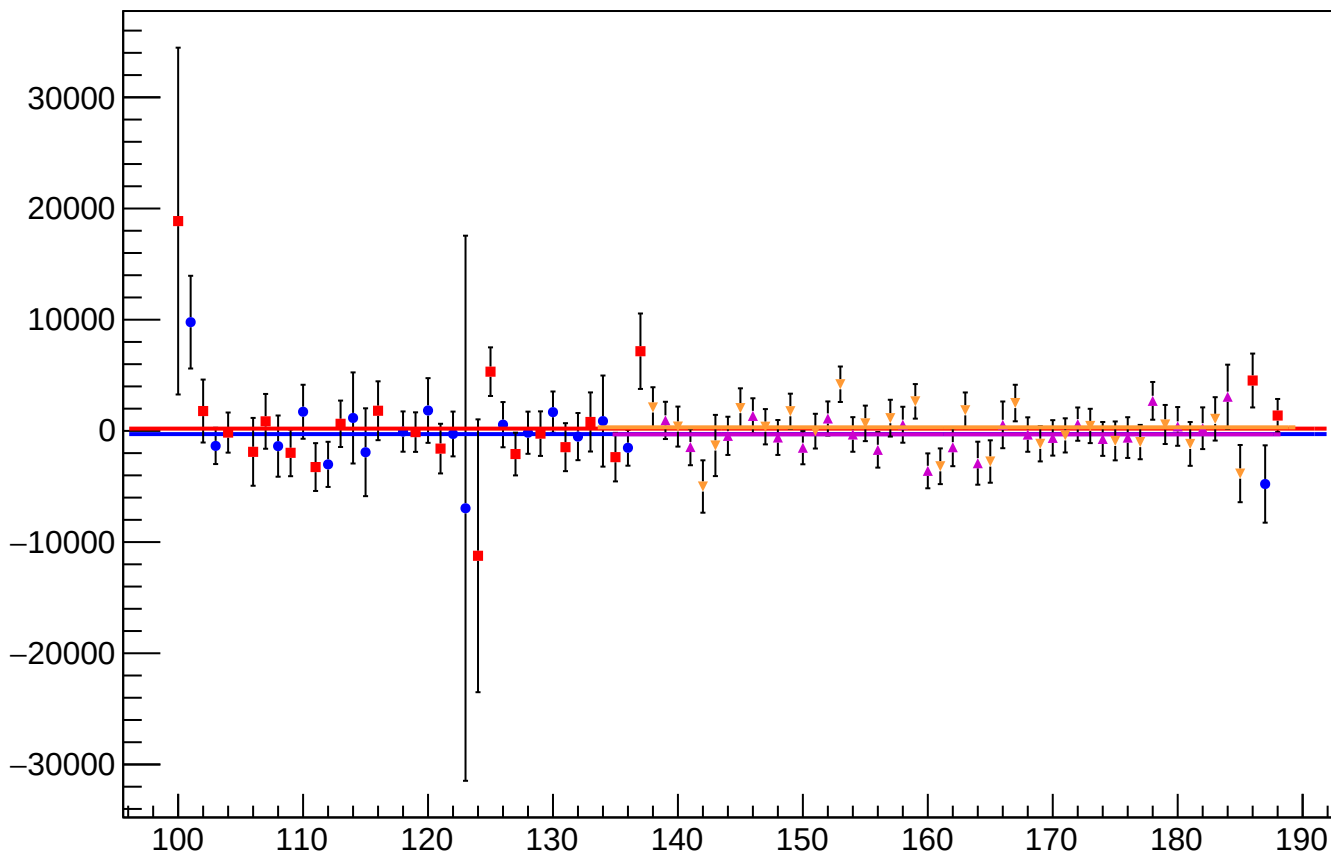
Right: 1700.439+/-1.021 χ^2/NDF : 511.5/2

In: 1352.749+/-0.228 χ^2/NDF : 79057.2/23

Out: 1375.923+/-0.222 χ^2/NDF : 604813.3/26

All: 1364.634+/-0.159 χ^2/NDF : 689180.2/50

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -288.984 ± 547.736 χ^2/NDF : 13.5/17

Left Out: 320.058 ± 344.642 χ^2/NDF : 32.4/24

Right Out: 204.743 ± 496.955 χ^2/NDF : 24.9/20

Left In: -310.833 ± 348.292 χ^2/NDF : 16.8/22

Left: 7.936 ± 244.979 χ^2/NDF : 50.9/47

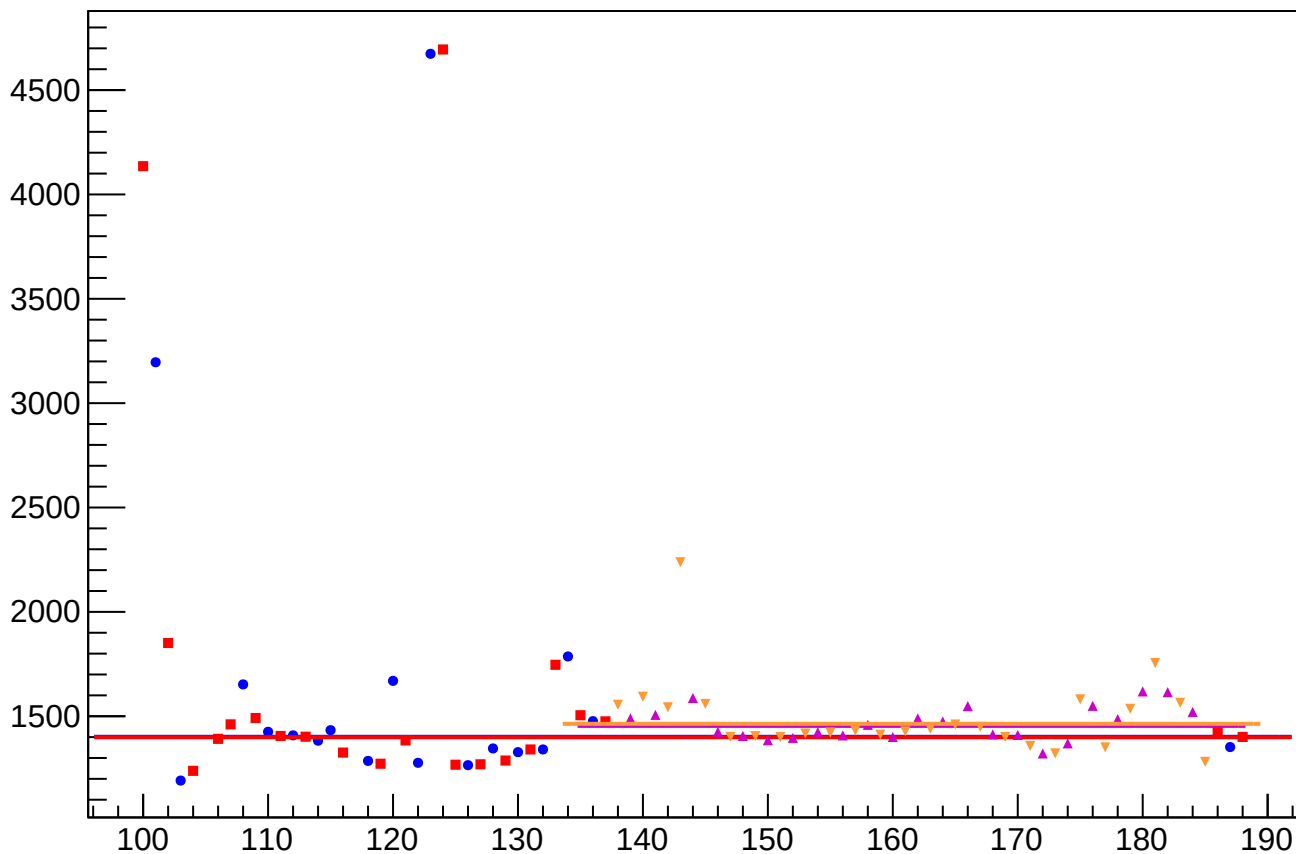
Right: -18.177 ± 368.047 χ^2/NDF : 38.9/38

In: -304.542 ± 293.906 χ^2/NDF : 30.3/40

Out: 282.608 ± 283.203 χ^2/NDF : 57.4/45

All: -0.081 ± 203.933 χ^2/NDF : 89.8/86

dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1401.458 $\pm$ 0.387 χ^2 /NDF: 526736.1/17

Left Out: 1463.714 $\pm$ 0.244 χ^2 /NDF: 310491.4/24

Right Out: 1399.232 $\pm$ 0.351 χ^2 /NDF: 353739.7/20

Left In: 1453.763 $\pm$ 0.246 χ^2 /NDF: 99224.2/22

Left: 1458.791 $\pm$ 0.173 χ^2 /NDF: 410540.5/47

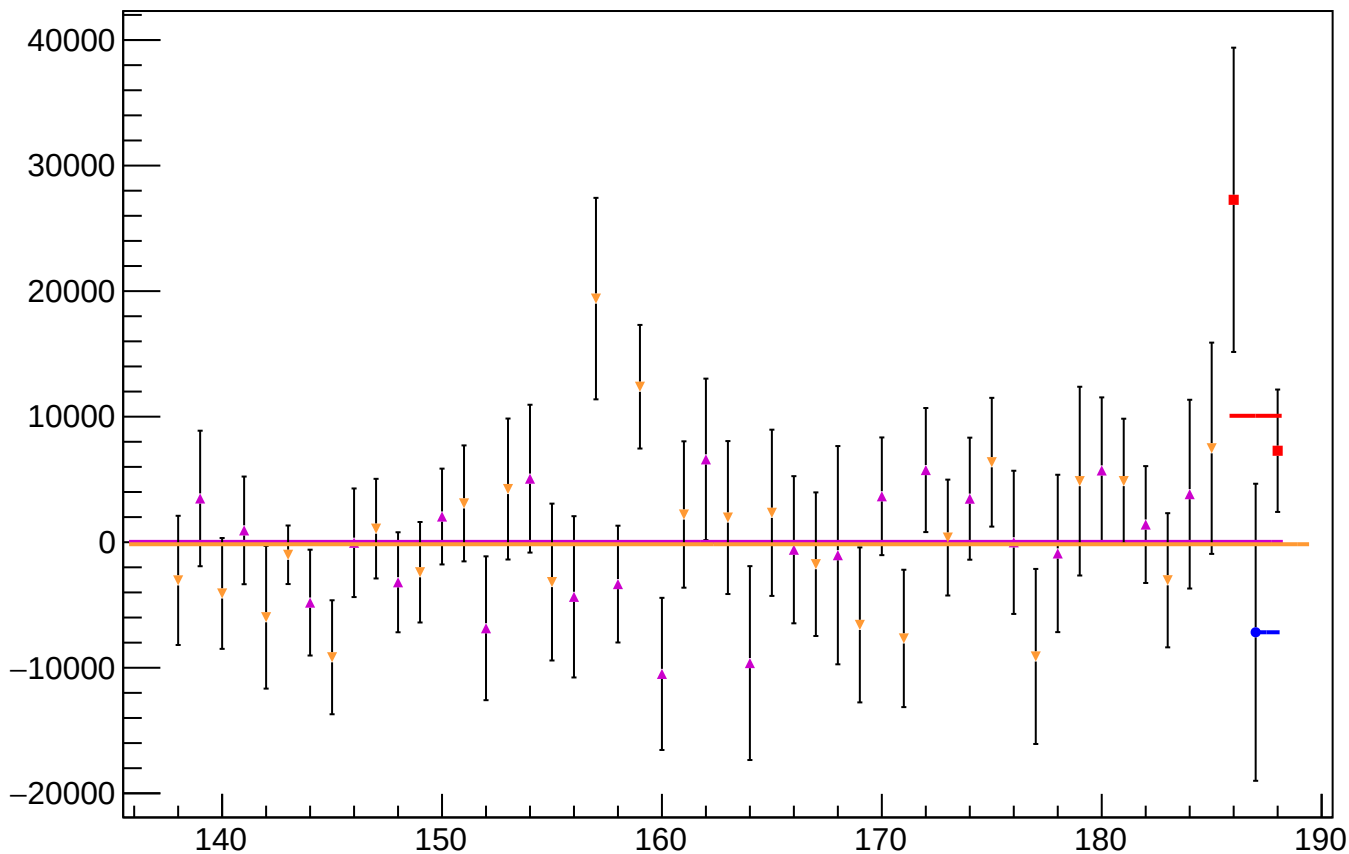
Right: 1400.237 $\pm$ 0.260 χ^2 /NDF: 880494.0/38

In: 1438.703 $\pm$ 0.208 χ^2 /NDF: 638946.9/40

Out: 1442.759 $\pm$ 0.200 χ^2 /NDF: 686982.4/45

All: 1440.807 $\pm$ 0.144 χ^2 /NDF: 1326126.8/86

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



Right In: -7173.073+/-11830.844 χ^2/NDF : 0.0/0

Left Out: -160.118+/-989.347 χ^2/NDF : 29.7/24

Right Out: 10069.583+/-4522.830 χ^2/NDF : 2.3/1

Left In: 26.926+/-1085.415 χ^2/NDF : 15.3/22

Left: -75.238+/-731.183 χ^2/NDF : 45.0/47

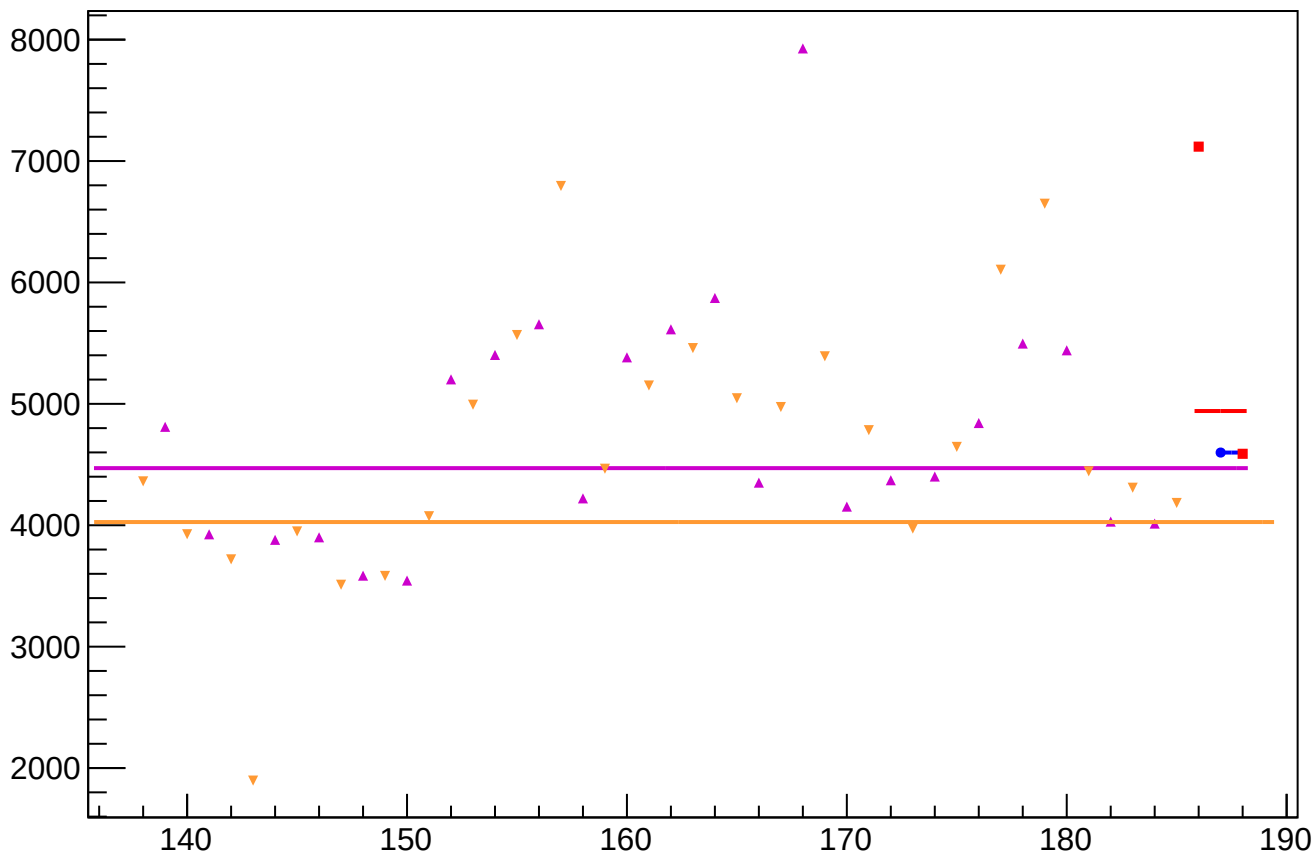
Right: 7870.948+/-4224.645 χ^2/NDF : 4.2/2

In: -33.171+/-1080.875 χ^2/NDF : 15.6/23

Out: 307.015+/-966.494 χ^2/NDF : 37.0/26

All: 155.868+/-720.472 χ^2/NDF : 52.7/50

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



Right In: 4598.824+/-8.366 χ^2/NDF : 0.0/0

Left Out: 4026.447+/-0.700 χ^2/NDF : 3071265.0/24

Right Out: 4940.974+/-3.198 χ^2/NDF : 75022.0/1

Left In: 4470.490+/-0.768 χ^2/NDF : 1132495.2/22

Left: 4227.952+/-0.517 χ^2/NDF : 4386588.9/47

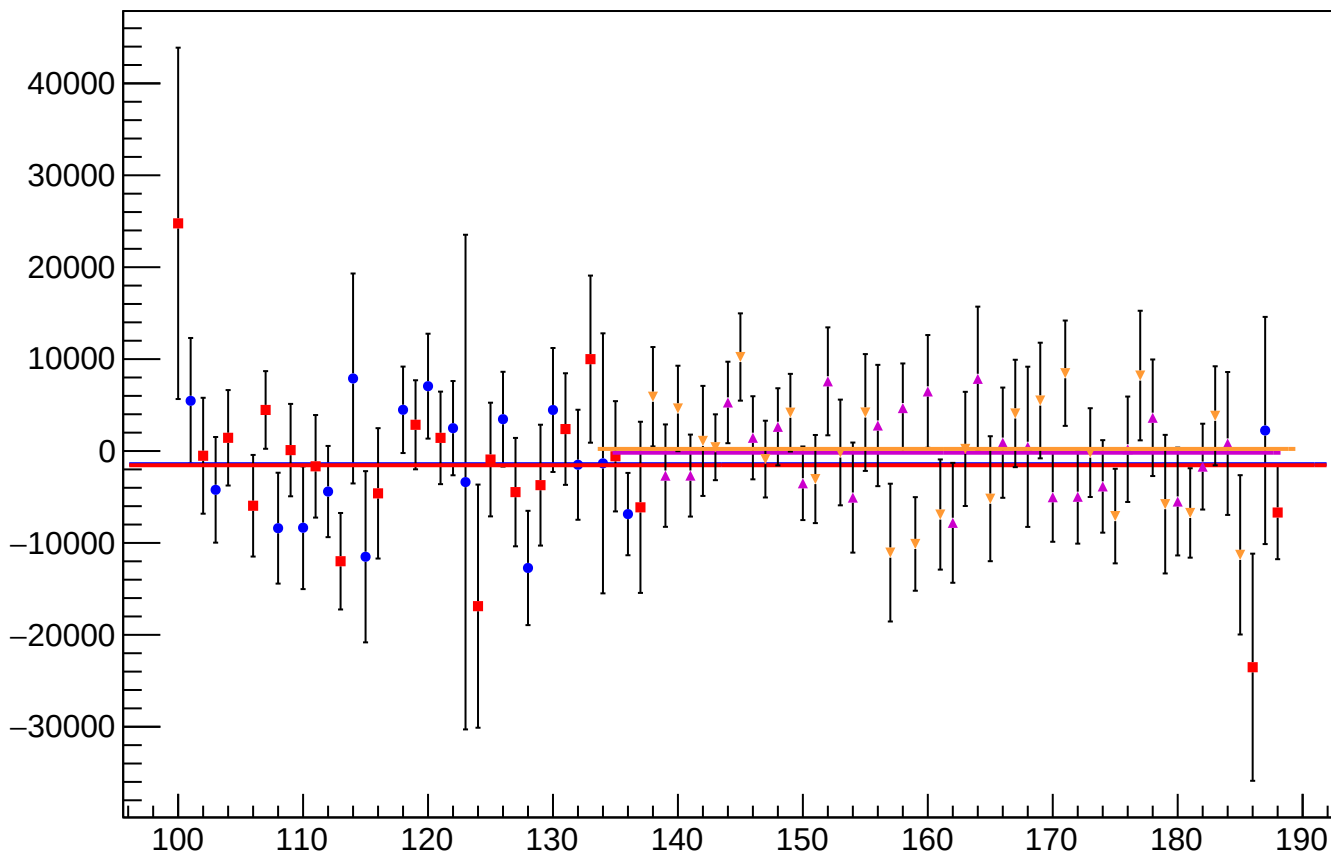
Right: 4897.346+/-2.987 χ^2/NDF : 76481.4/2

In: 4471.561+/-0.764 χ^2/NDF : 1132728.6/23

Out: 4068.208+/-0.683 χ^2/NDF : 3224324.6/26

All: 4247.421+/-0.509 χ^2/NDF : 4511822.6/50

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1433.076+/-1488.208 χ^2/NDF : 16.8/17

Left Out: 229.897+/-1073.528 χ^2/NDF : 28.1/24

Right Out: -1547.277+/-1323.057 χ^2/NDF : 18.5/20

Left In: -185.280+/-1119.296 χ^2/NDF : 14.3/22

Left: 30.970+/-774.774 χ^2/NDF : 42.5/47

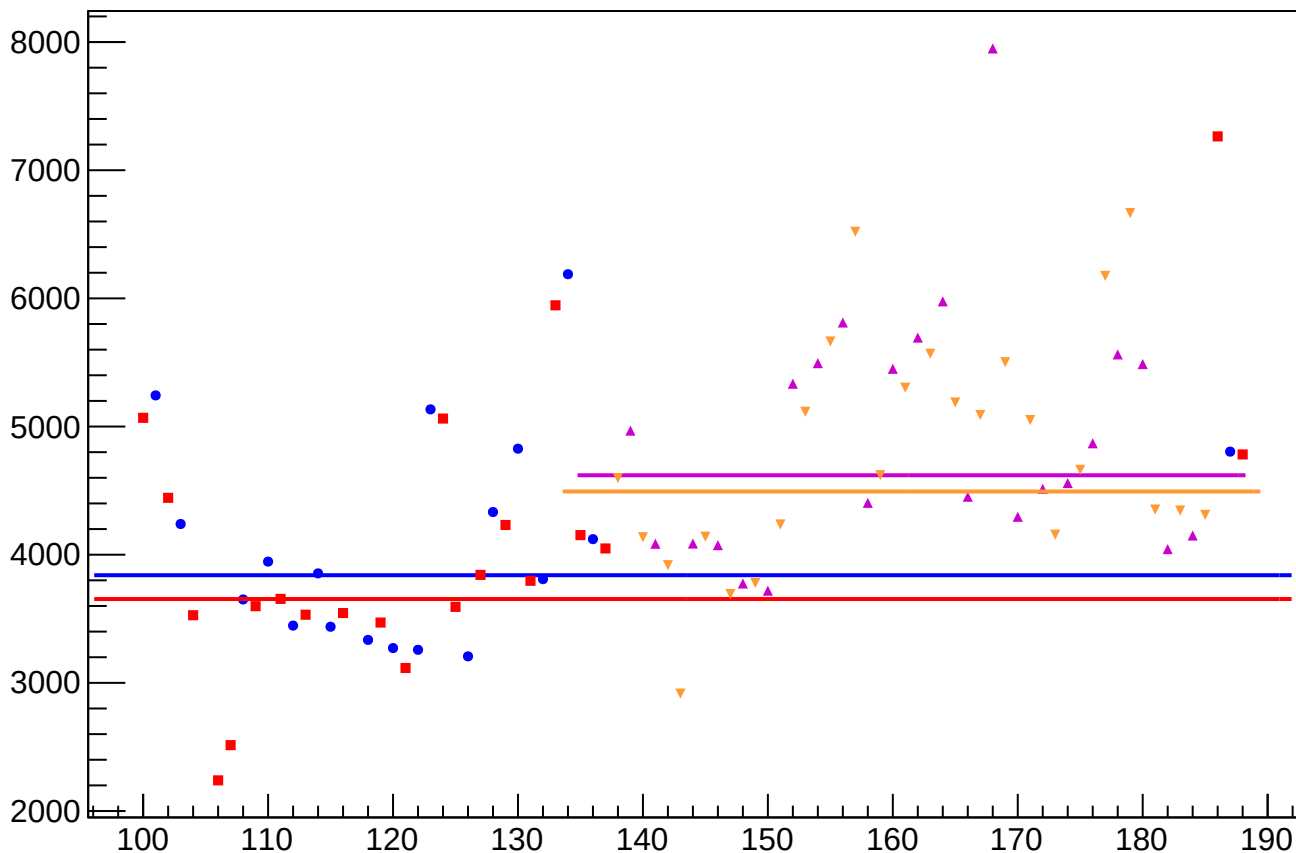
Right: -1496.863+/-988.797 χ^2/NDF : 35.3/38

In: -636.103+/-894.530 χ^2/NDF : 31.5/40

Out: -475.638+/-833.629 χ^2/NDF : 47.7/45

All: -550.223+/-609.859 χ^2/NDF : 79.2/86

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3840.030+/-1.052 χ^2/NDF : 346757.4/17

Left Out: 4493.314+/-0.759 χ^2/NDF :1309134.5/24

Right Out: 3654.141+/-0.928 χ^2/NDF : 841835.3/20

Left In: 4619.952+/-0.791 χ^2/NDF :1001966.3/22

Left: 4553.991+/-0.548 χ^2/NDF : 2324435.7/47

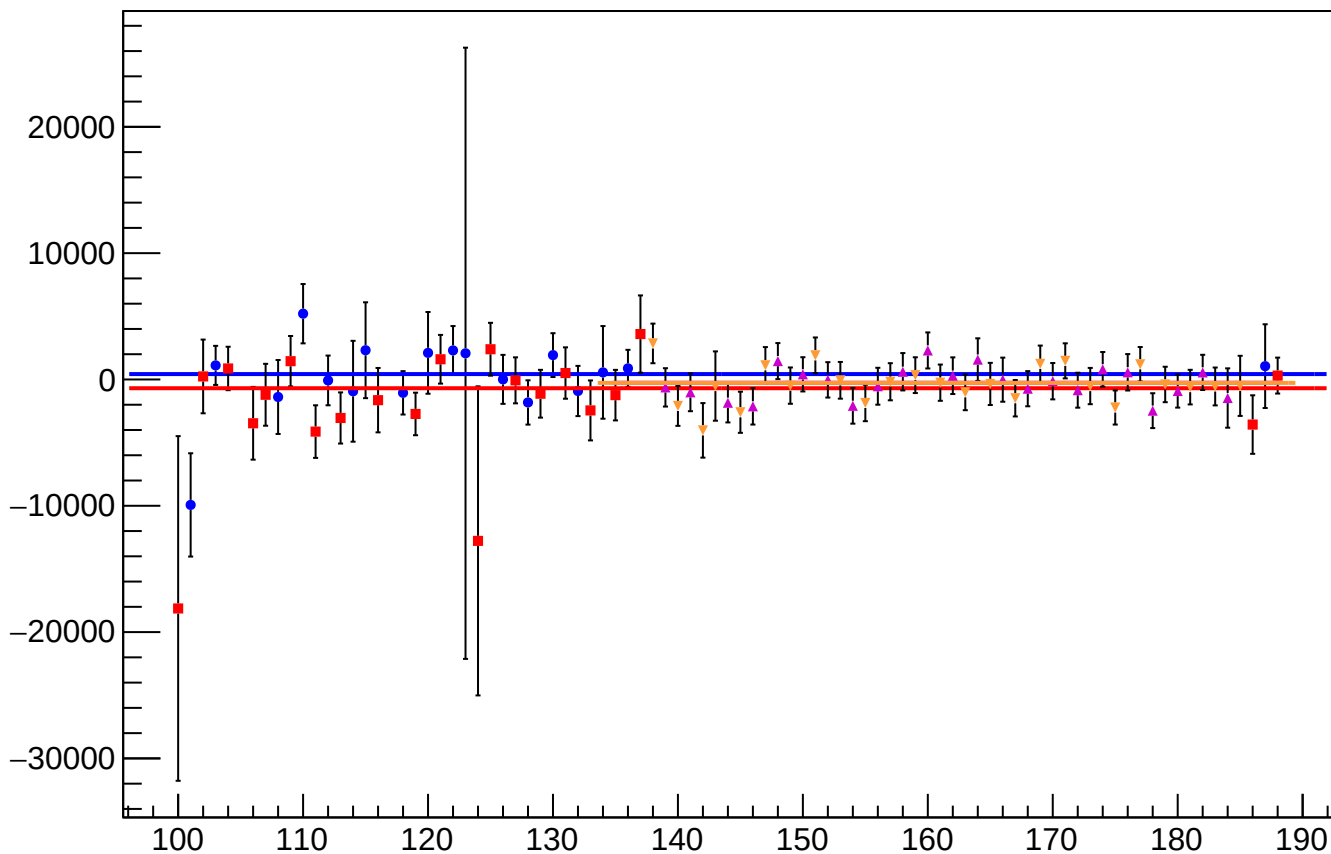
Right: 3735.435+/-0.696 χ^2/NDF : 1206151.4/38

In: 4338.161+/-0.633 χ^2/NDF :1699572.1/40

Out: 4156.778+/-0.587 χ^2/NDF :2641071.2/45

All: 4240.783+/-0.430 χ^2/NDF : 4384790.3/86

dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 427.329+/-521.409 χ^2/NDF : 16.6/17

Left Out: -270.523+/-302.030 χ^2/NDF : 22.2/24

Right Out: -692.880+/-470.242 χ^2/NDF : 20.1/20

Left In: -258.285+/-305.289 χ^2/NDF : 16.0/22

Left: -264.470+/-214.711 χ^2/NDF : 38.2/47

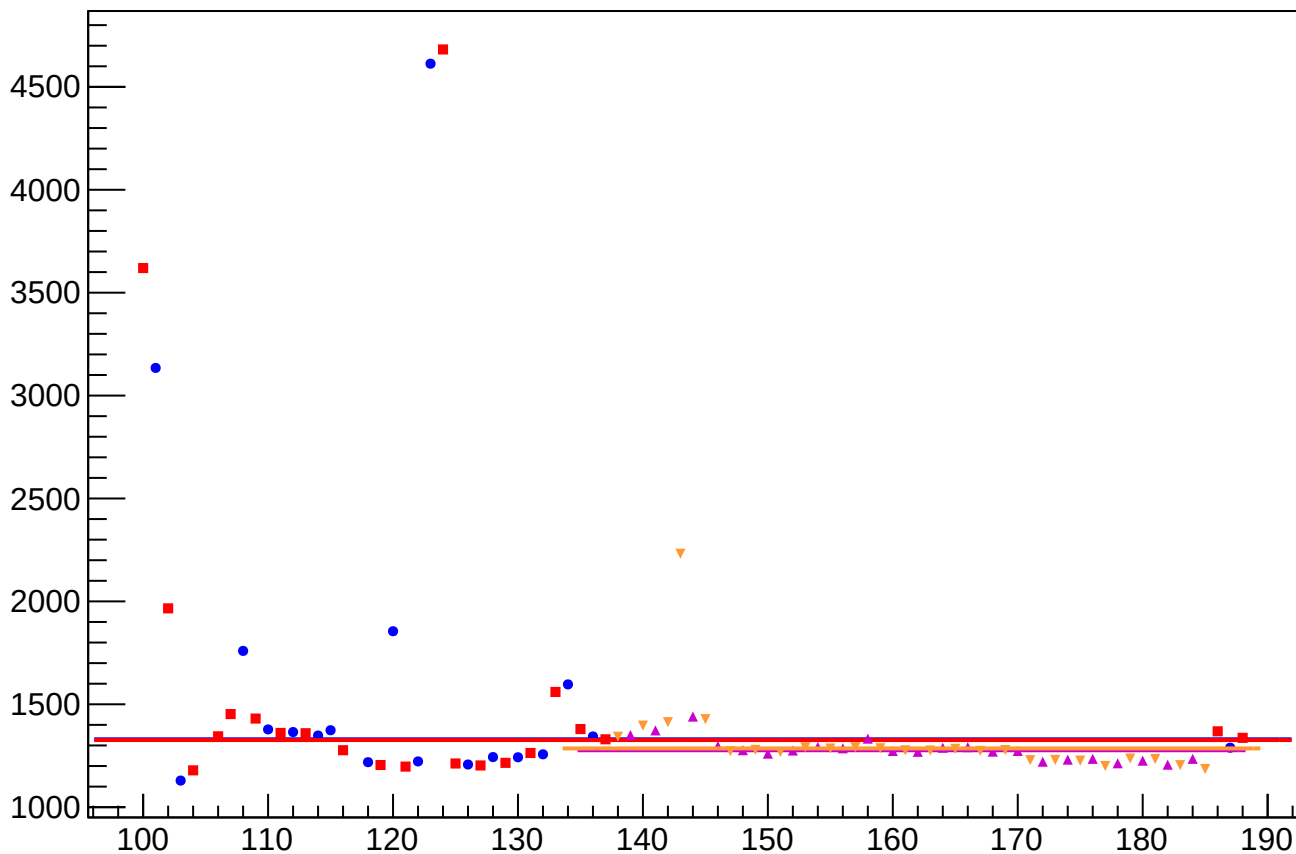
Right: -190.422+/-349.204 χ^2/NDF : 39.2/38

In: -83.249+/-263.453 χ^2/NDF : 33.8/40

Out: -393.873+/-254.127 χ^2/NDF : 42.8/45

All: -244.156+/-182.903 χ^2/NDF : 77.4/86

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1329.855+/-0.369 χ^2/NDF : 603784.9/17

Left Out: 1285.574+/-0.214 χ^2/NDF : 306057.6/24

Right Out: 1326.157+/-0.333 χ^2/NDF : 395294.5/20

Left In: 1276.755+/-0.216 χ^2/NDF : 59434.2/22

Left: 1281.212+/-0.152 χ^2/NDF : 366335.3/47

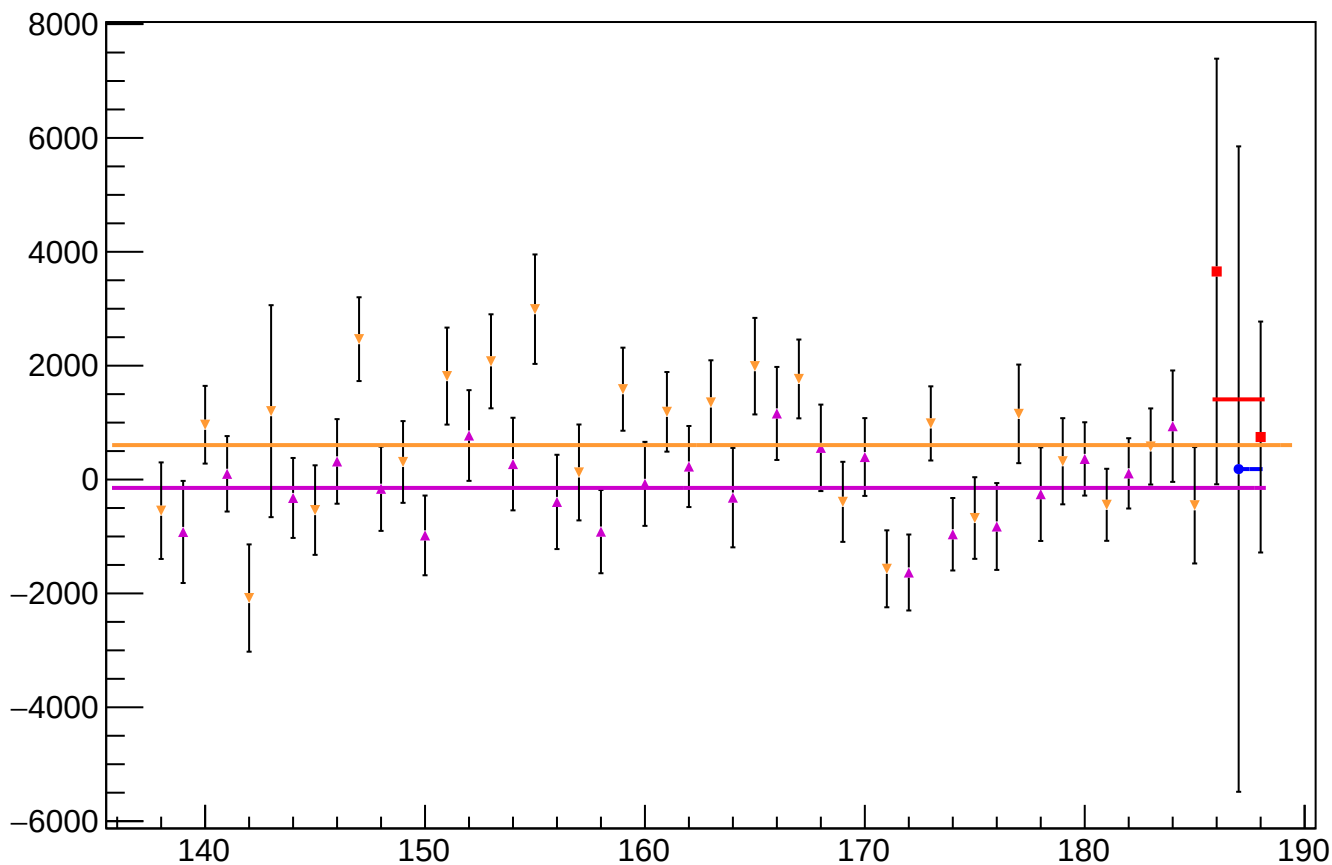
Right: 1327.816+/-0.247 χ^2/NDF : 999134.8/38

In: 1290.311+/-0.186 χ^2/NDF : 678666.0/40

Out: 1297.427+/-0.180 χ^2/NDF : 711897.9/45

All: 1293.997+/-0.129 χ^2/NDF : 1391319.6/86

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



Right In: 183.825+/-5668.087 χ^2/NDF : 0.0/0

Left Out: 605.167+/-153.922 χ^2/NDF : 60.0/24

Right Out: 1408.116+/-1782.540 χ^2/NDF : 0.5/1

Left In: -147.044+/-154.051 χ^2/NDF : 19.4/22

Left: 229.377+/-108.885 χ^2/NDF : 91.3/47

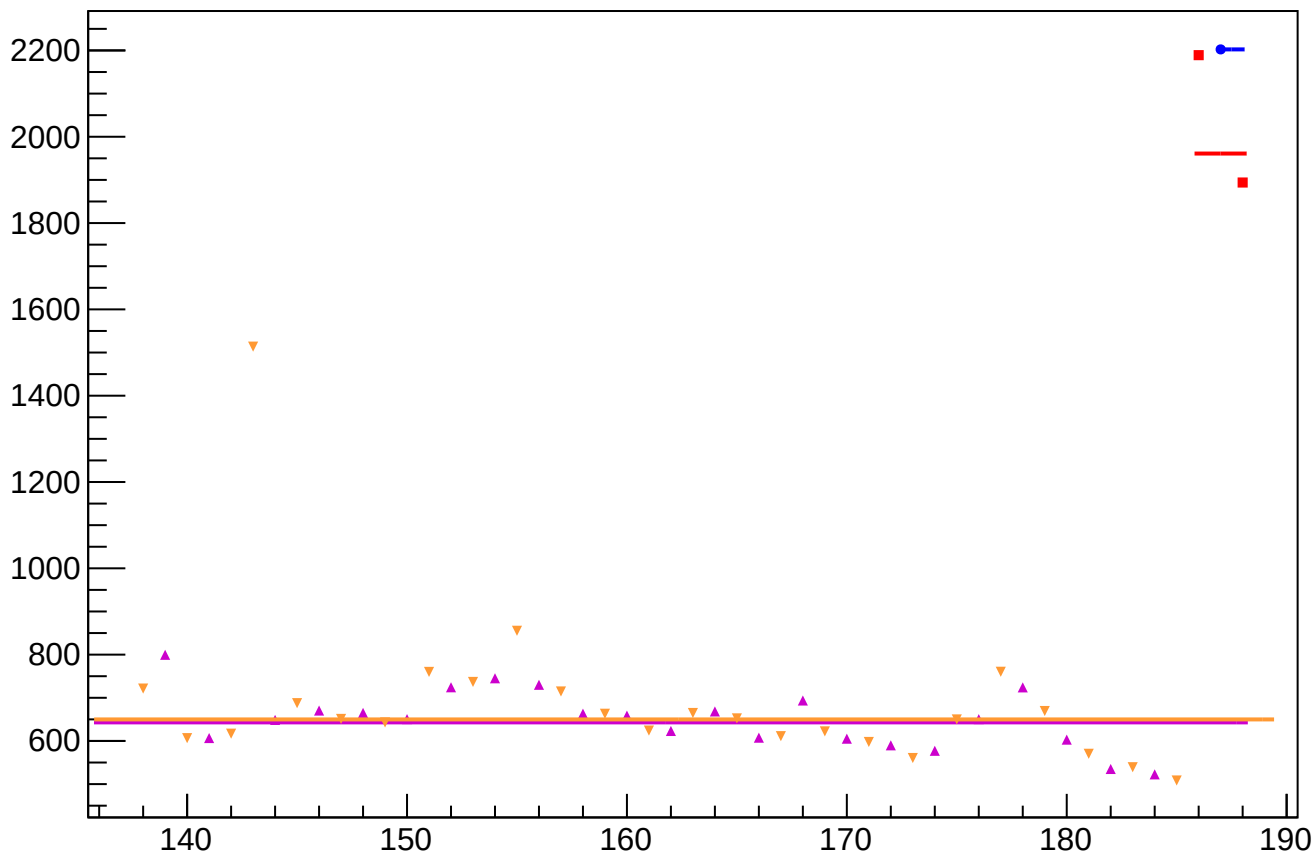
Right: 1297.928+/-1700.434 χ^2/NDF : 0.5/2

In: -146.800+/-153.994 χ^2/NDF : 19.4/23

Out: 611.109+/-153.351 χ^2/NDF : 60.6/26

All: 233.740+/-108.662 χ^2/NDF : 92.2/50

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



Right In: 2202.404+/-4.008 χ^2/NDF : 0.0/0

Left Out: 649.866+/-0.109 χ^2/NDF :840823.5/24

Right Out: 1961.075+/-1.260 χ^2/NDF : 9631.8/1

Left In: 643.008+/-0.109 χ^2/NDF :323844.6/22

Left: 646.440+/-0.077 χ^2/NDF : 1166651.7/47

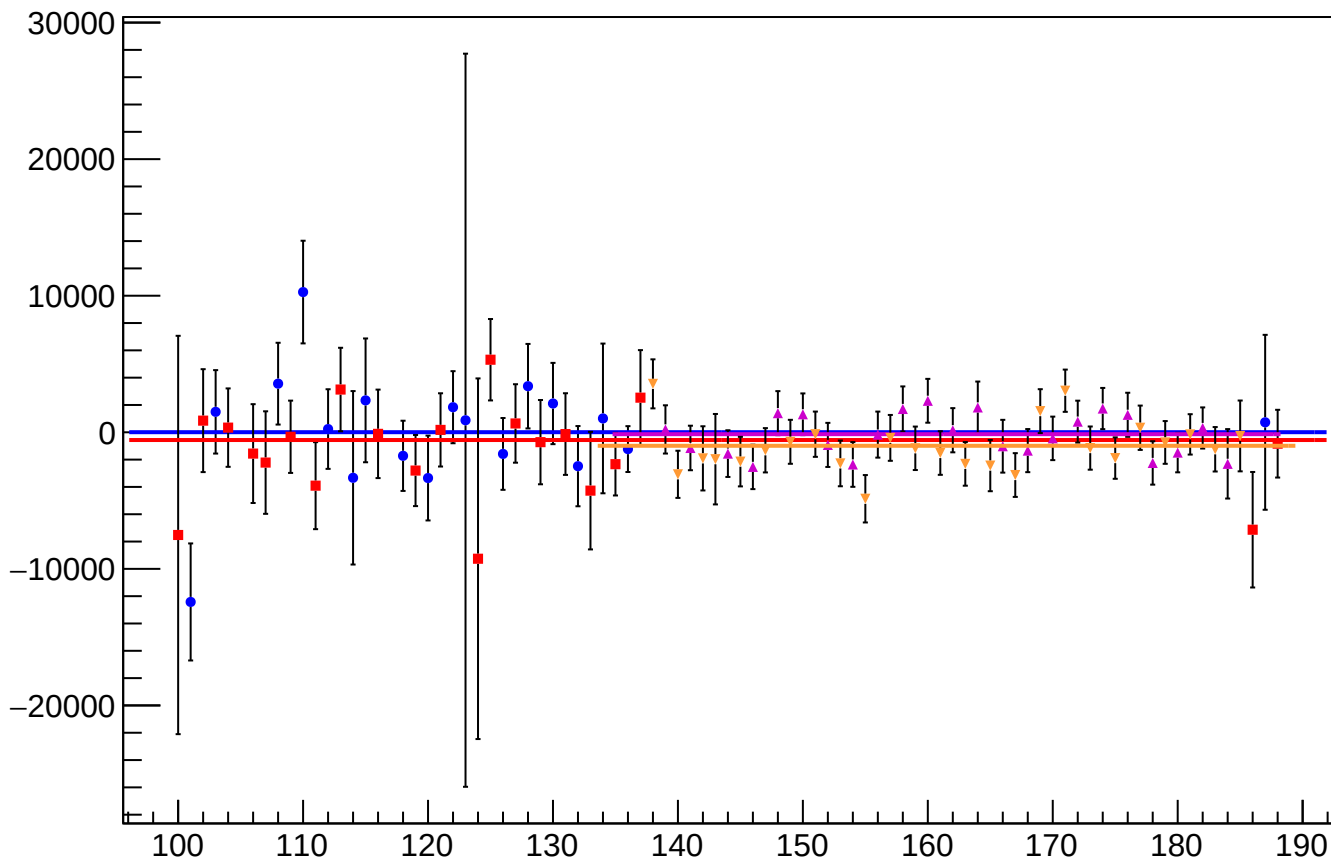
Right: 1982.795+/-1.202 χ^2/NDF : 12931.1/2

In: 644.159+/-0.109 χ^2/NDF :475113.3/23

Out: 659.571+/-0.108 χ^2/NDF :1924615.5/26

All: 651.897+/-0.077 χ^2/NDF : 2409786.4/50

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 7.593 ± 740.069 $\chi^2/\text{NDF}: 23.5/17$

Left Out: -987.247 ± 339.757 $\chi^2/\text{NDF}: 28.5/24$

Right Out: -566.283 ± 694.040 $\chi^2/\text{NDF}: 13.2/20$

Left In: -137.780 ± 342.262 $\chi^2/\text{NDF}: 18.8/22$

Left: -565.633 ± 241.125 $\chi^2/\text{NDF}: 50.4/47$

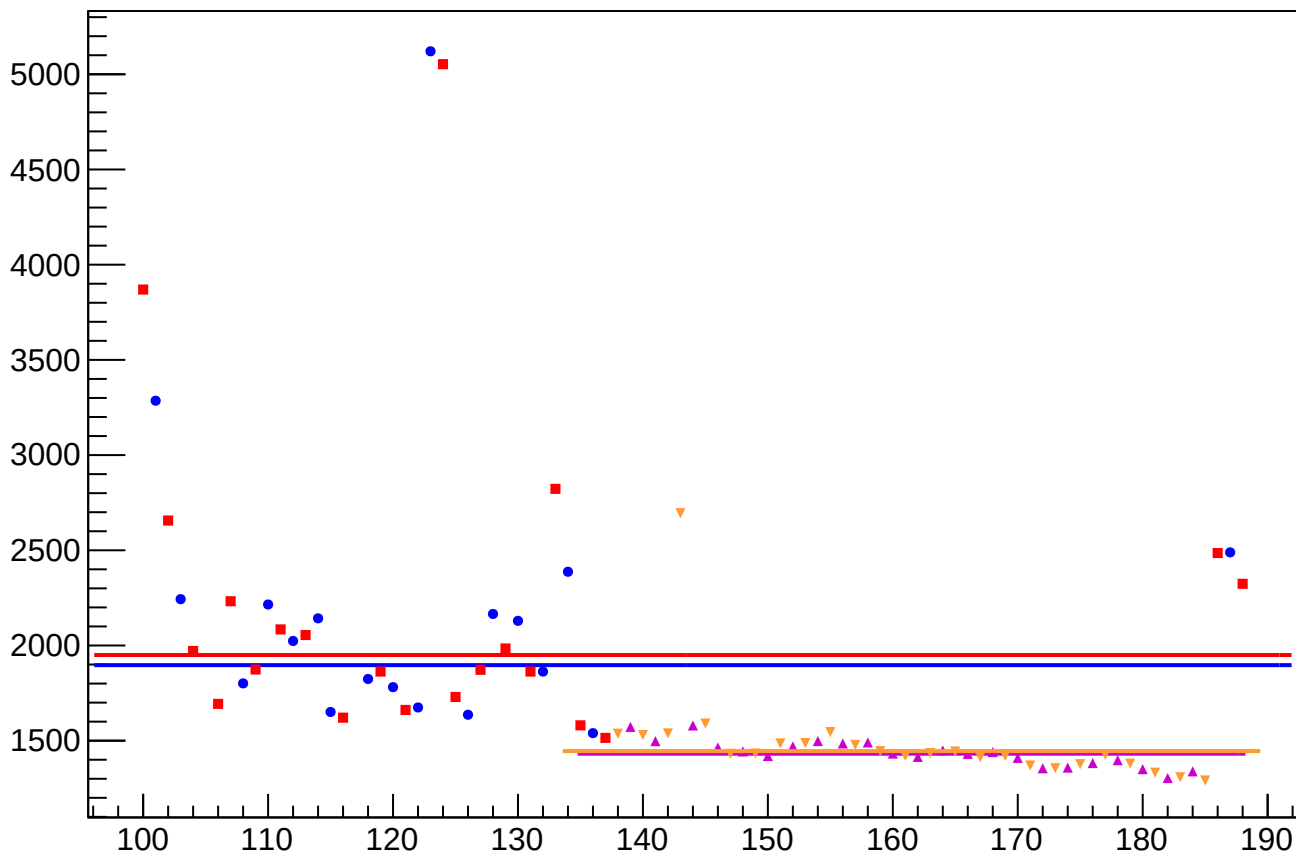
Right: -297.746 ± 506.251 $\chi^2/\text{NDF}: 37.1/38$

In: -112.166 ± 310.649 $\chi^2/\text{NDF}: 42.4/40$

Out: -905.867 ± 305.154 $\chi^2/\text{NDF}: 42.0/45$

All: -516.098 ± 217.693 $\chi^2/\text{NDF}: 87.7/86$

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1896.827 $\pm$ 0.523 χ^2 /NDF: 483180.2/17

Left Out: 1445.418 $\pm$ 0.240 χ^2 /NDF: 374859.2/24

Right Out: 1950.088 $\pm$ 0.491 χ^2 /NDF: 547805.1/20

Left In: 1431.663 $\pm$ 0.242 χ^2 /NDF: 77792.5/22

Left: 1438.591 $\pm$ 0.171 χ^2 /NDF: 454278.6/47

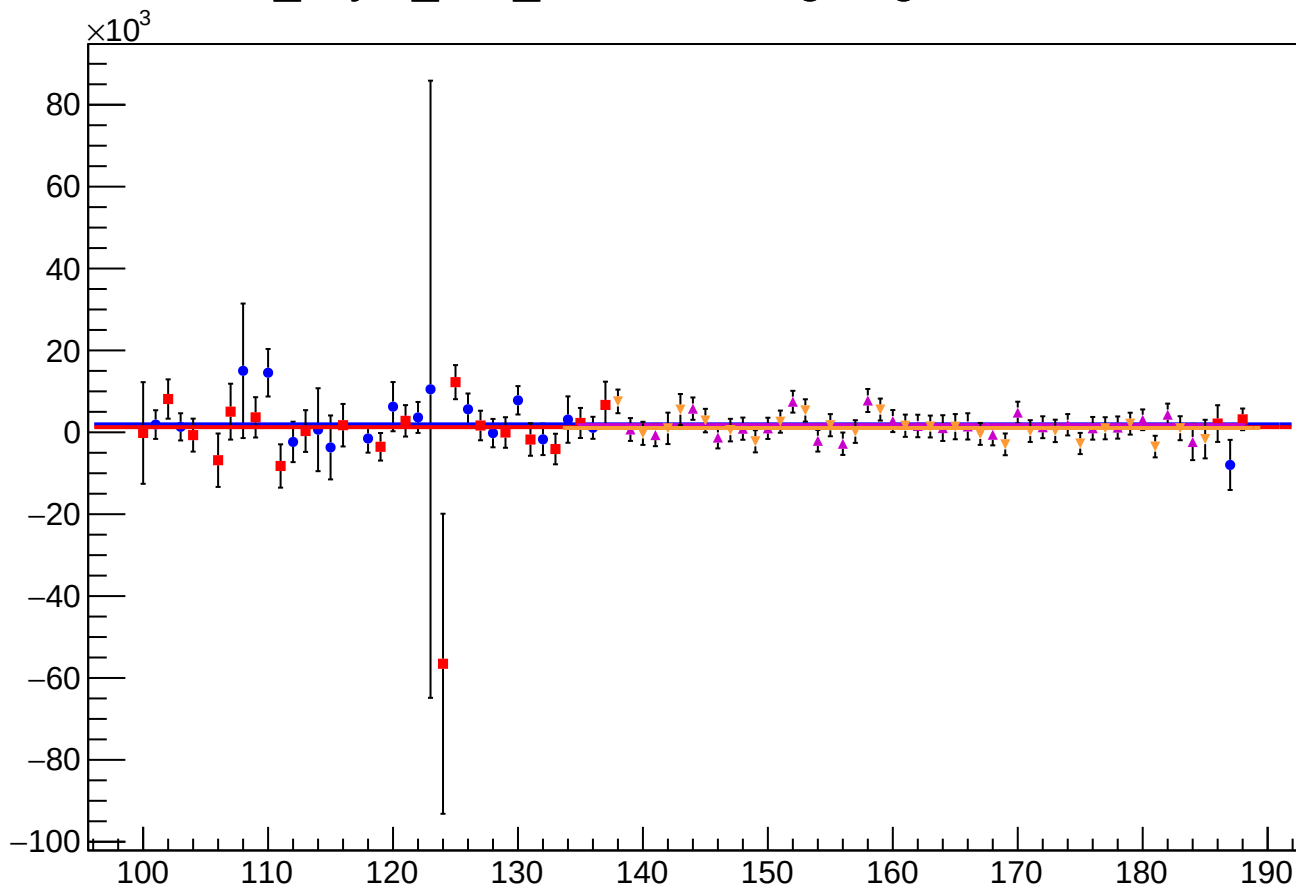
Right: 1925.165 $\pm$ 0.358 χ^2 /NDF: 1036497.0/38

In: 1513.624 $\pm$ 0.220 χ^2 /NDF: 1211890.8/40

Out: 1542.981 $\pm$ 0.216 χ^2 /NDF: 1775744.0/45

All: 1528.564 $\pm$ 0.154 χ^2 /NDF: 2996725.2/86

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1941.681 $\pm$ 1024.615 χ^2 /NDF: 16.3/17

Left Out: 1057.276 $\pm$ 566.243 χ^2 /NDF: 22.7/24

Right Out: 1255.333 $\pm$ 951.143 χ^2 /NDF: 23.6/20

Left In: 1762.122 $\pm$ 574.660 χ^2 /NDF: 23.2/22

Left: 1404.499 $\pm$ 403.337 χ^2 /NDF: 46.7/47

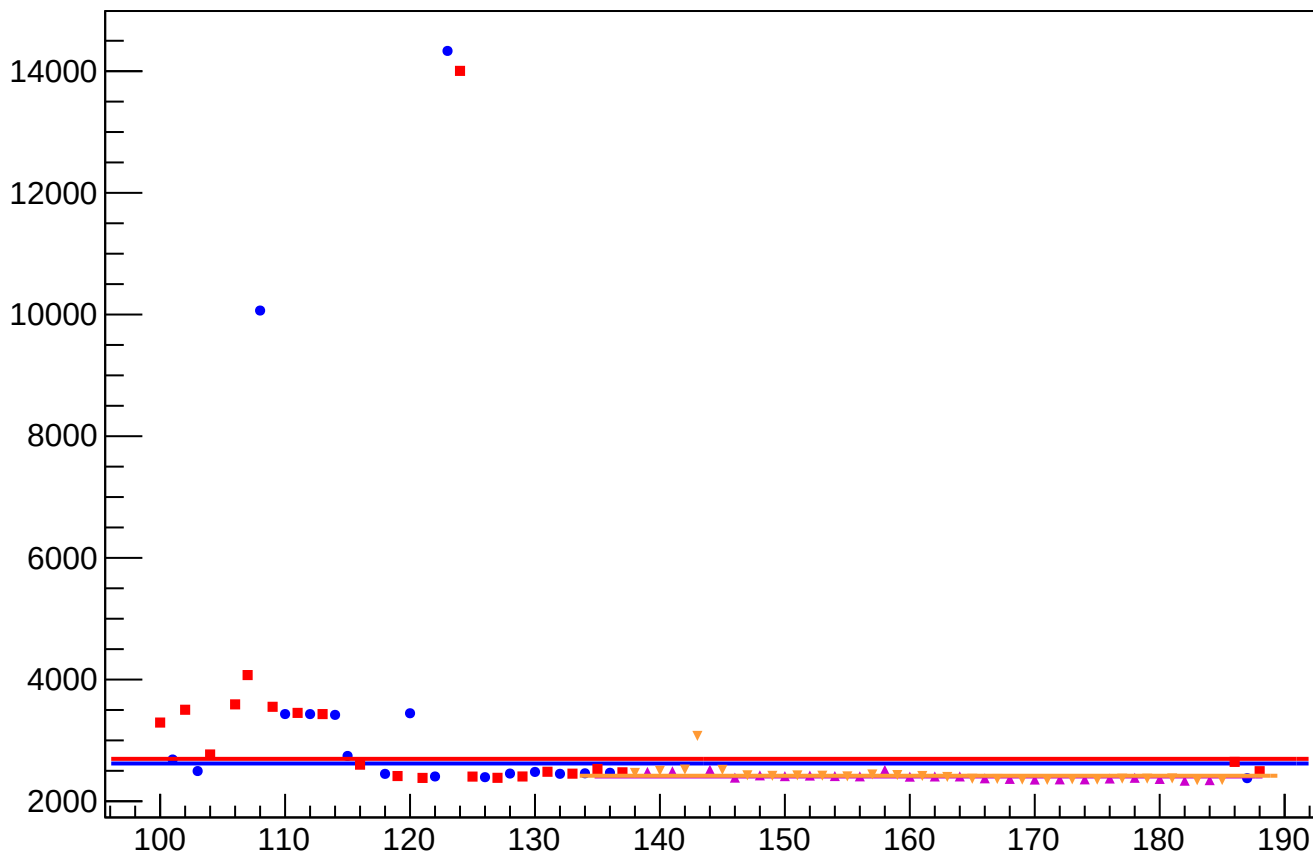
Right: 1573.019 $\pm$ 697.088 χ^2 /NDF: 40.1/38

In: 1805.088 $\pm$ 501.211 χ^2 /NDF: 39.5/40

Out: 1109.102 $\pm$ 486.549 χ^2 /NDF: 46.3/45

All: 1446.766 $\pm$ 349.111 χ^2 /NDF: 86.8/86

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2620.613+/-0.725 χ^2/NDF : 647593.7/17

Left Out: 2418.972+/-0.400 χ^2/NDF : 74779.7/24

Right Out: 2696.717+/-0.673 χ^2/NDF : 612421.5/20

Left In: 2406.443+/-0.406 χ^2/NDF : 15245.2/22

Left: 2412.800+/-0.285 χ^2/NDF : 90507.2/47

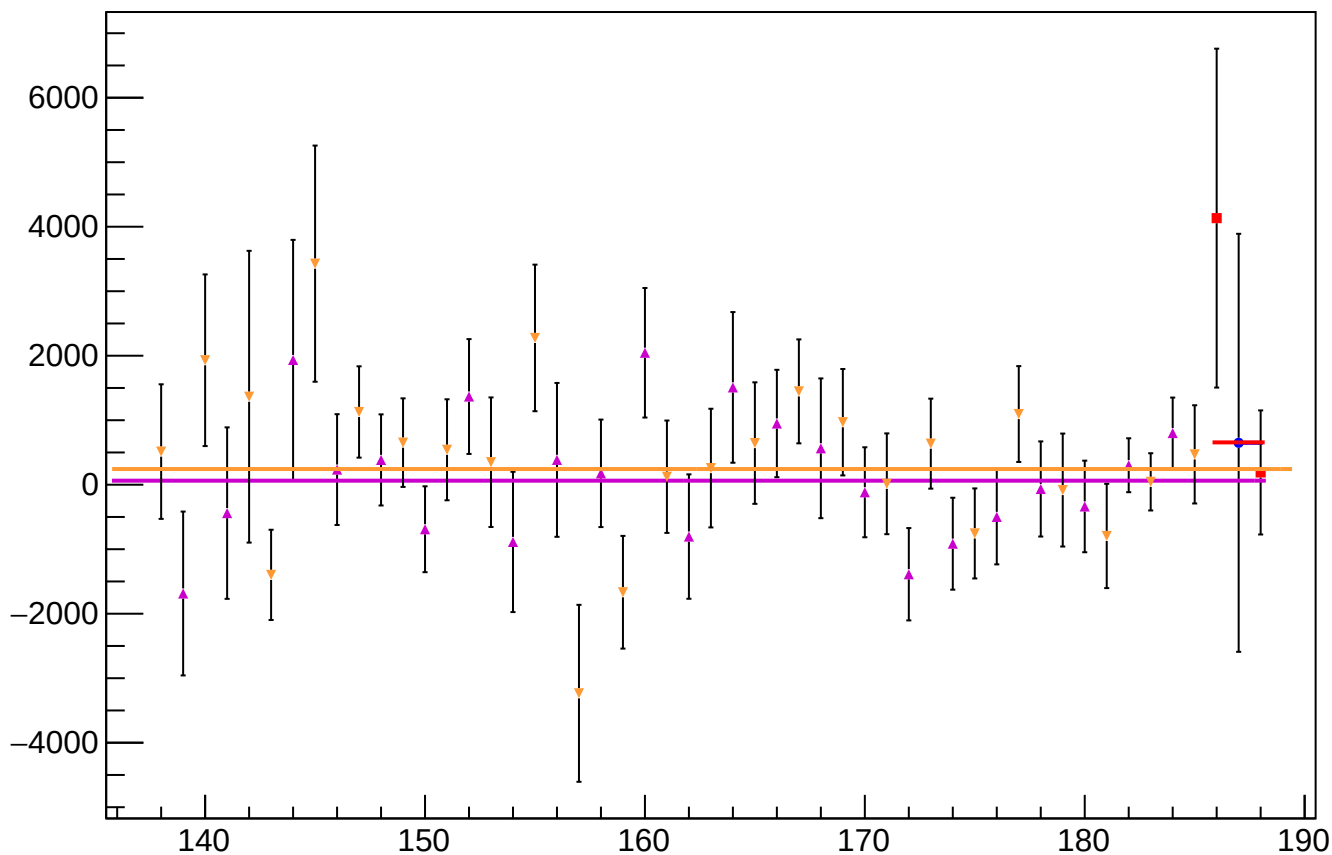
Right: 2661.491+/-0.493 χ^2/NDF : 1265941.9/38

In: 2457.691+/-0.354 χ^2/NDF : 729311.5/40

Out: 2491.651+/-0.344 χ^2/NDF : 813116.0/45

All: 2475.175+/-0.247 χ^2/NDF : 1547154.6/86

asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: 649.589+/-3240.468 χ^2/NDF : 0.0/0

Left Out: 243.135+/-163.940 χ^2/NDF :36.0/24

Right Out: 656.181+/-903.191 χ^2/NDF : 2.0/1

Left In: 62.569+/-164.169 χ^2/NDF :24.3/22

Left: 152.978+/-116.004 χ^2/NDF : 60.9/47

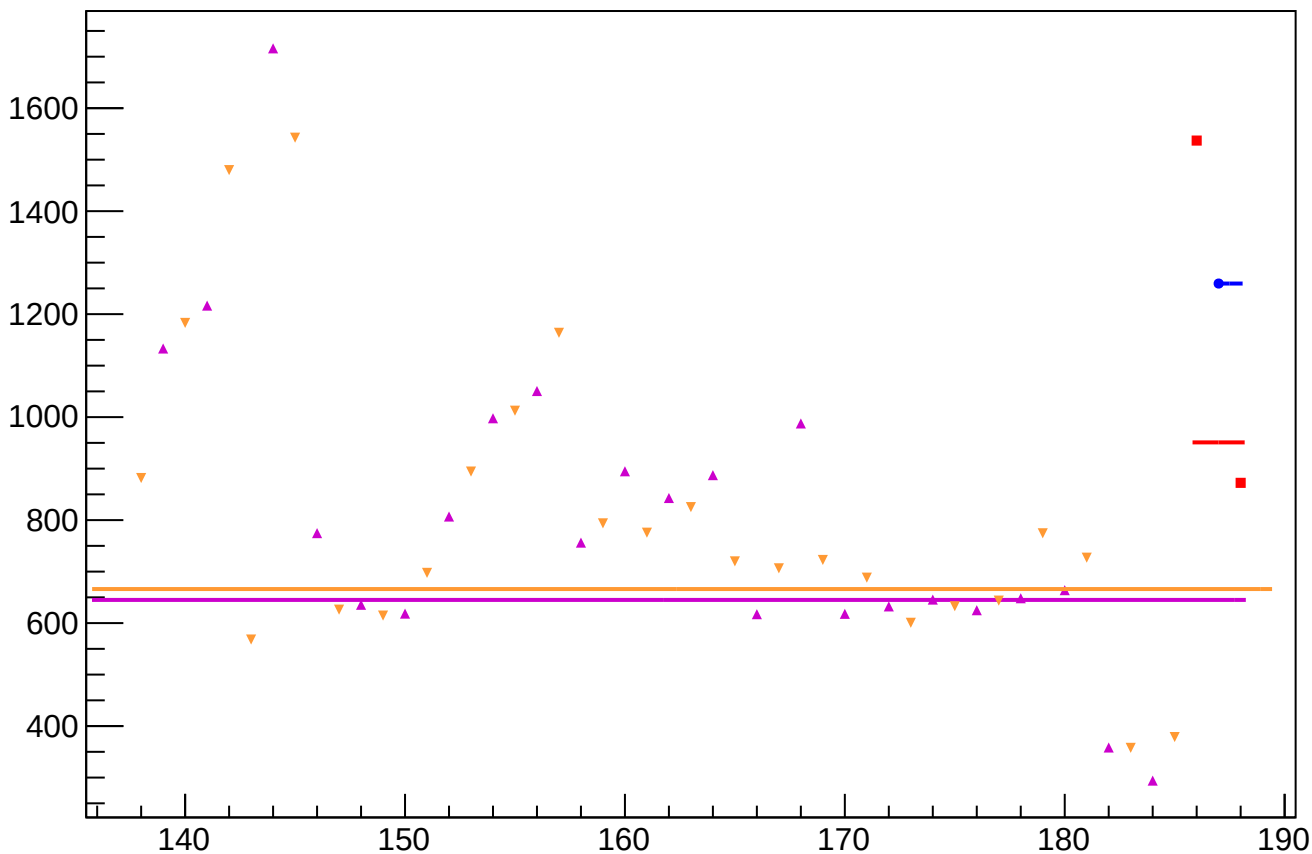
Right: 655.706+/-870.028 χ^2/NDF : 2.0/2

In: 64.072+/-163.959 χ^2/NDF :24.3/23

Out: 256.310+/-161.305 χ^2/NDF :38.2/26

All: 161.759+/-114.986 χ^2/NDF : 63.2/50

asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 1259.423+/-2.291 χ^2/NDF : 0.0/0

Left Out: 666.133+/-0.116 χ^2/NDF :3190574.7/24

Right Out: 950.939+/-0.639 χ^2/NDF : 112892.8/1

Left In: 645.011+/-0.116 χ^2/NDF :4176295.6/22

Left: 655.587+/-0.082 χ^2/NDF : 7383446.0/47

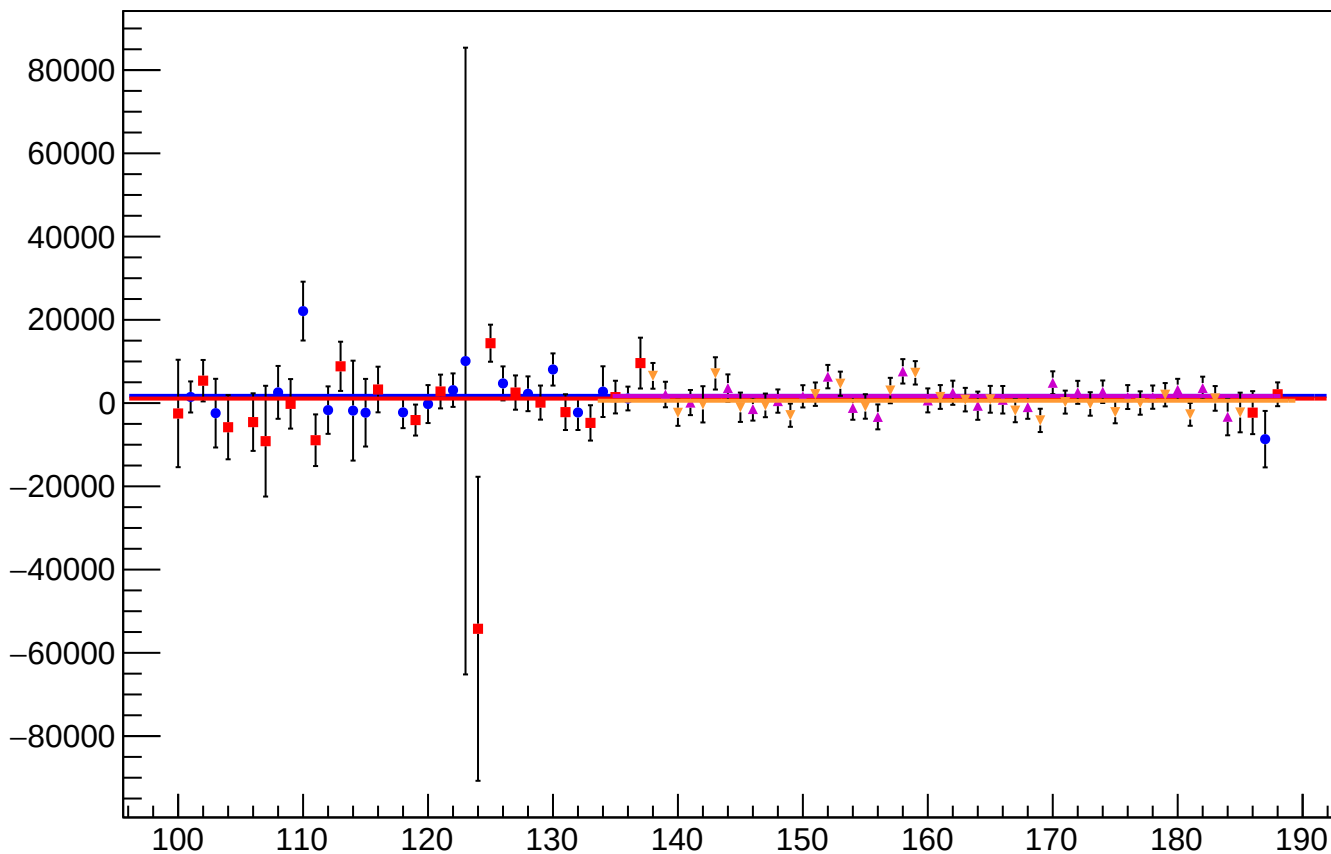
Right: 973.176+/-0.615 χ^2/NDF : 129711.3/2

In: 646.584+/-0.116 χ^2/NDF :4248012.2/23

Out: 675.217+/-0.114 χ^2/NDF :3495994.2/26

All: 661.134+/-0.081 χ^2/NDF : 7775000.9/50

asym_atl1_mean vs Slug, Sign Corrected



Right In: 1737.838+/-1135.169 χ^2/NDF : 17.3/17

Left Out: 566.778+/-598.308 χ^2/NDF : 25.2/24

Right Out: 1079.925+/-1072.125 χ^2/NDF : 25.9/20

Left In: 1713.317+/-607.775 χ^2/NDF : 18.1/22

Left: 1131.048+/-426.375 χ^2/NDF : 45.0/47

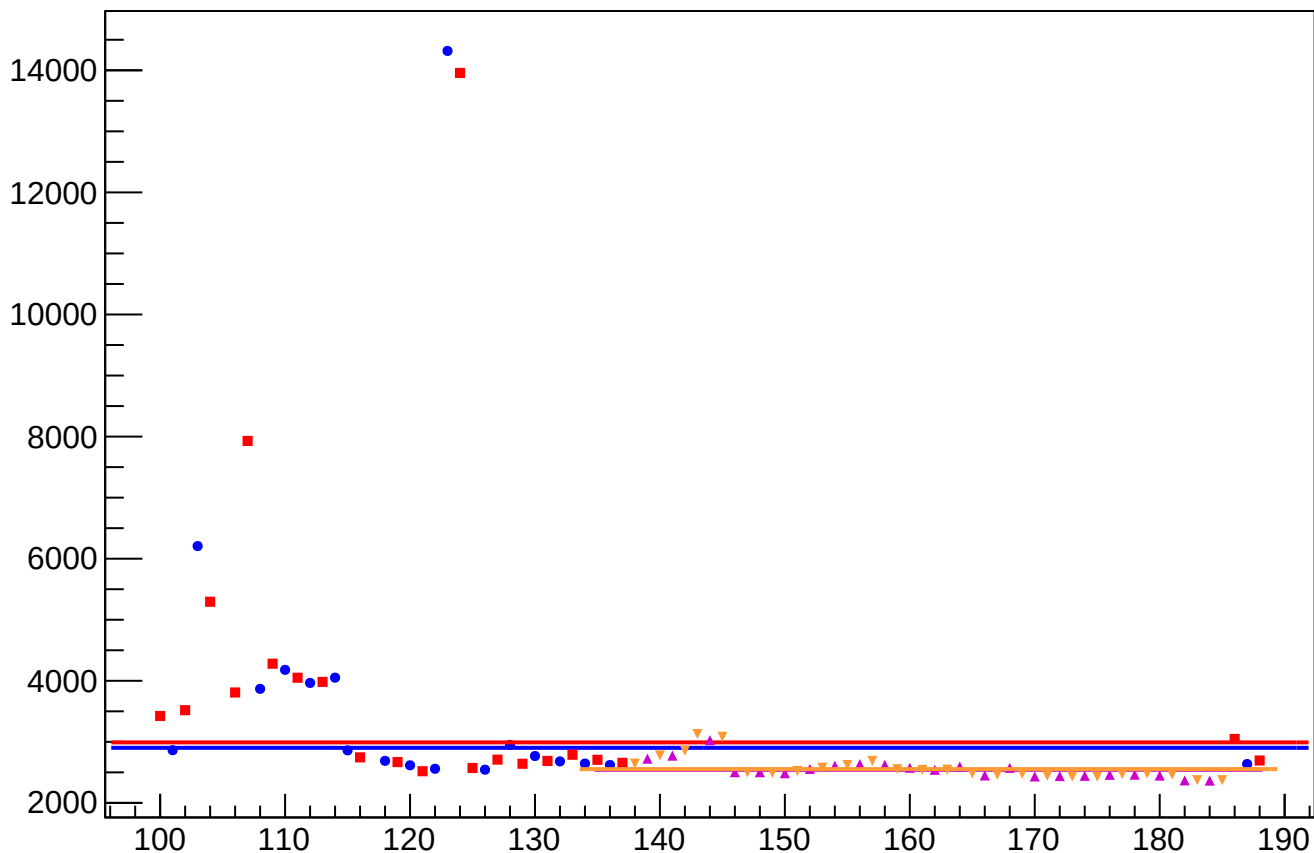
Right: 1390.106+/-779.442 χ^2/NDF : 43.3/38

In: 1718.780+/-535.811 χ^2/NDF : 35.3/40

Out: 688.637+/-522.459 χ^2/NDF : 51.2/45

All: 1190.714+/-374.066 χ^2/NDF : 88.4/86

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2902.076+/-0.803 χ^2/NDF : 645049.9/17

Left Out: 2553.097+/-0.423 χ^2/NDF :148430.5/24

Right Out: 2990.970+/-0.758 χ^2/NDF : 1036408.9/20

Left In: 2541.950+/-0.430 χ^2/NDF :97238.4/22

Left: 2547.611+/-0.301 χ^2/NDF : 246010.6/47

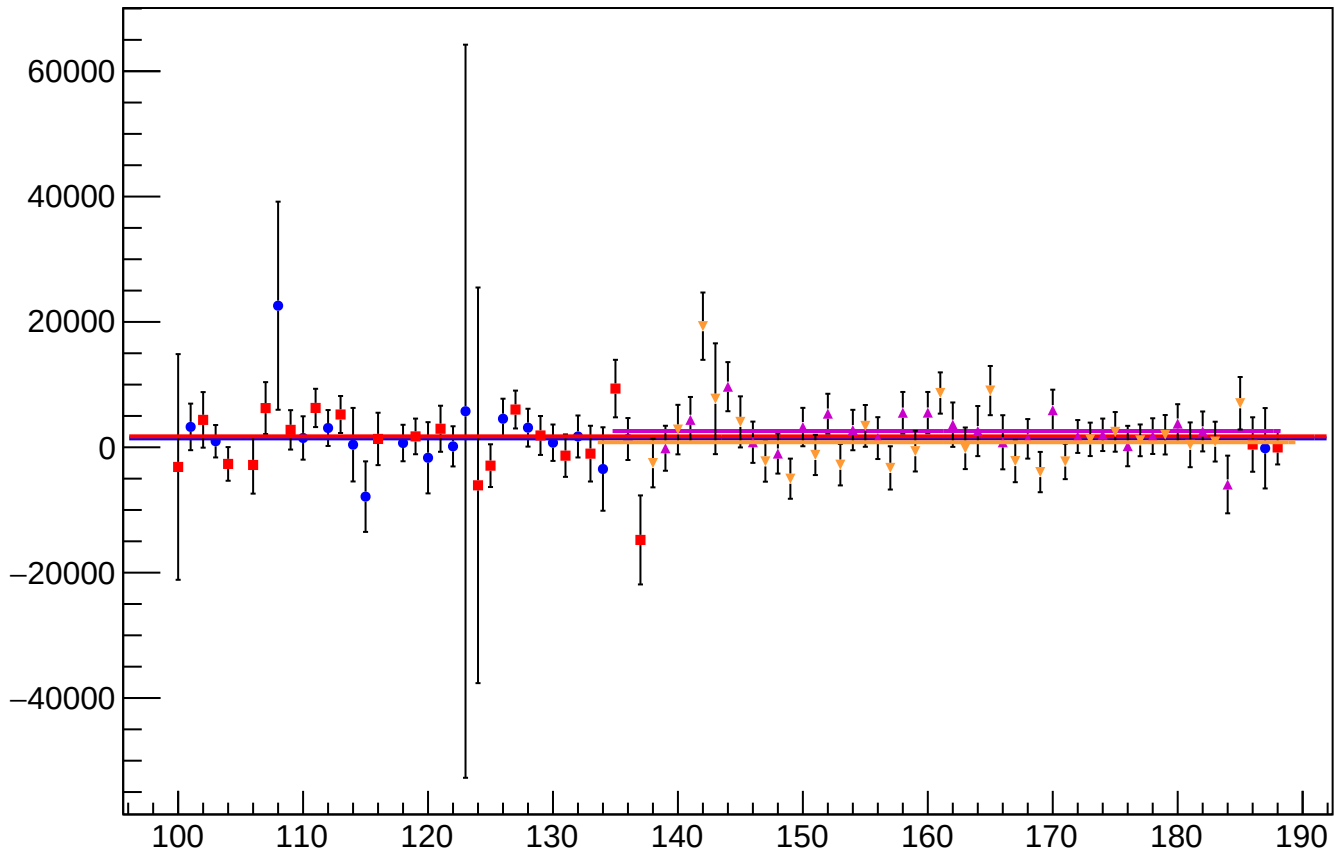
Right: 2949.060+/-0.551 χ^2/NDF : 1687941.2/38

In: 2622.183+/-0.379 χ^2/NDF :898731.1/40

Out: 2657.080+/-0.369 χ^2/NDF :1439224.3/45

All: 2640.072+/-0.265 χ^2/NDF : 2342304.0/86

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1421.698+/-880.590 χ^2/NDF : 7.5/17

Left Out: 807.297+/-677.513 χ^2/NDF : 39.1/24

Right Out: 1745.933+/-797.831 χ^2/NDF : 23.0/20

Left In: 2595.551+/-683.824 χ^2/NDF : 14.0/22

Left: 1693.134+/-481.290 χ^2/NDF : 56.6/47

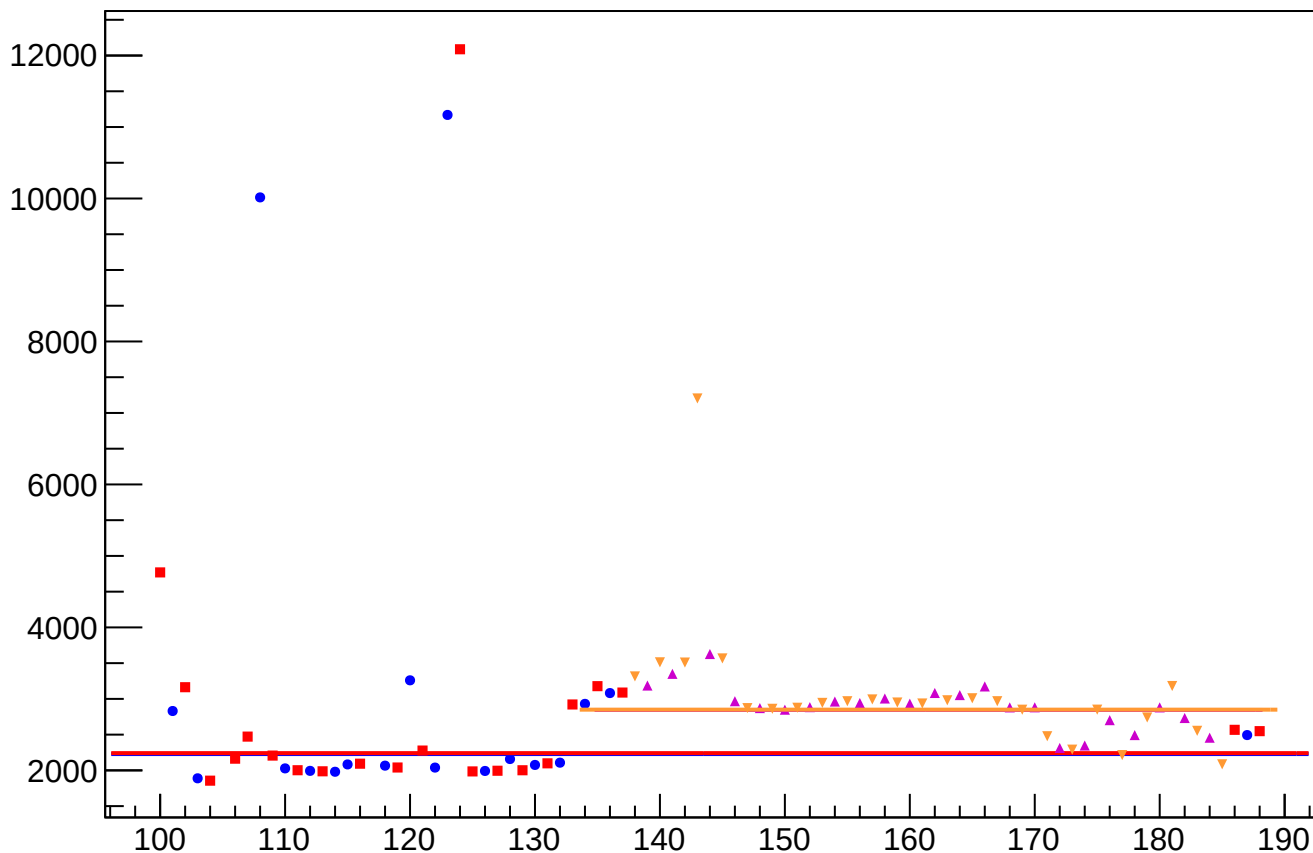
Right: 1599.764+/-591.250 χ^2/NDF : 30.5/38

In: 2153.968+/-540.099 χ^2/NDF : 22.6/40

Out: 1200.573+/-516.429 χ^2/NDF : 62.9/45

All: 1655.922+/-373.258 χ^2/NDF : 87.1/86

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2228.236+/-0.623 χ^2/NDF : 853787.3/17

Left Out: 2849.256+/-0.479 χ^2/NDF : 1034478.3/24

Right Out: 2241.325+/-0.564 χ^2/NDF : 644304.0/20

Left In: 2844.779+/-0.484 χ^2/NDF : 383776.8/22

Left: 2847.038+/-0.340 χ^2/NDF : 1418298.4/47

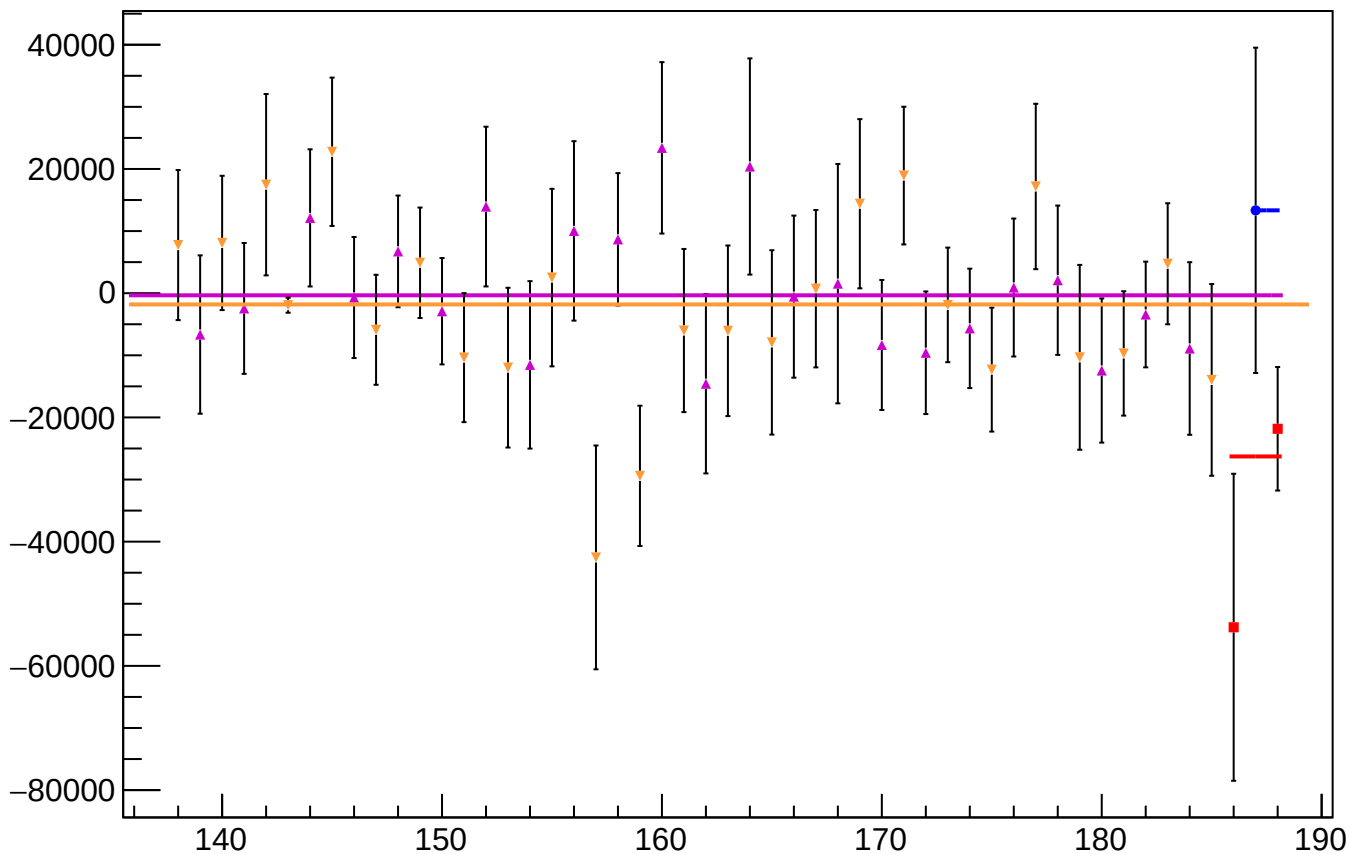
Right: 2235.428+/-0.418 χ^2/NDF : 1498334.1/38

In: 2612.846+/-0.382 χ^2/NDF : 1849162.9/40

Out: 2594.352+/-0.365 χ^2/NDF : 2353970.7/45

All: 2603.182+/-0.264 χ^2/NDF : 4204358.9/86

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: 13338.612 $\pm$ 26189.529 χ^2 /NDF: 0.0/0

Left Out: -1810.593 $\pm$ 1078.173 χ^2 /NDF:31.2/24

Right Out: -26280.630 $\pm$ 9223.680 χ^2 /NDF: 1.4/1

Left In: -339.260 $\pm$ 2365.986 χ^2 /NDF:14.2/22

Left: -1557.594 $\pm$ 981.106 χ^2 /NDF: 45.7/47

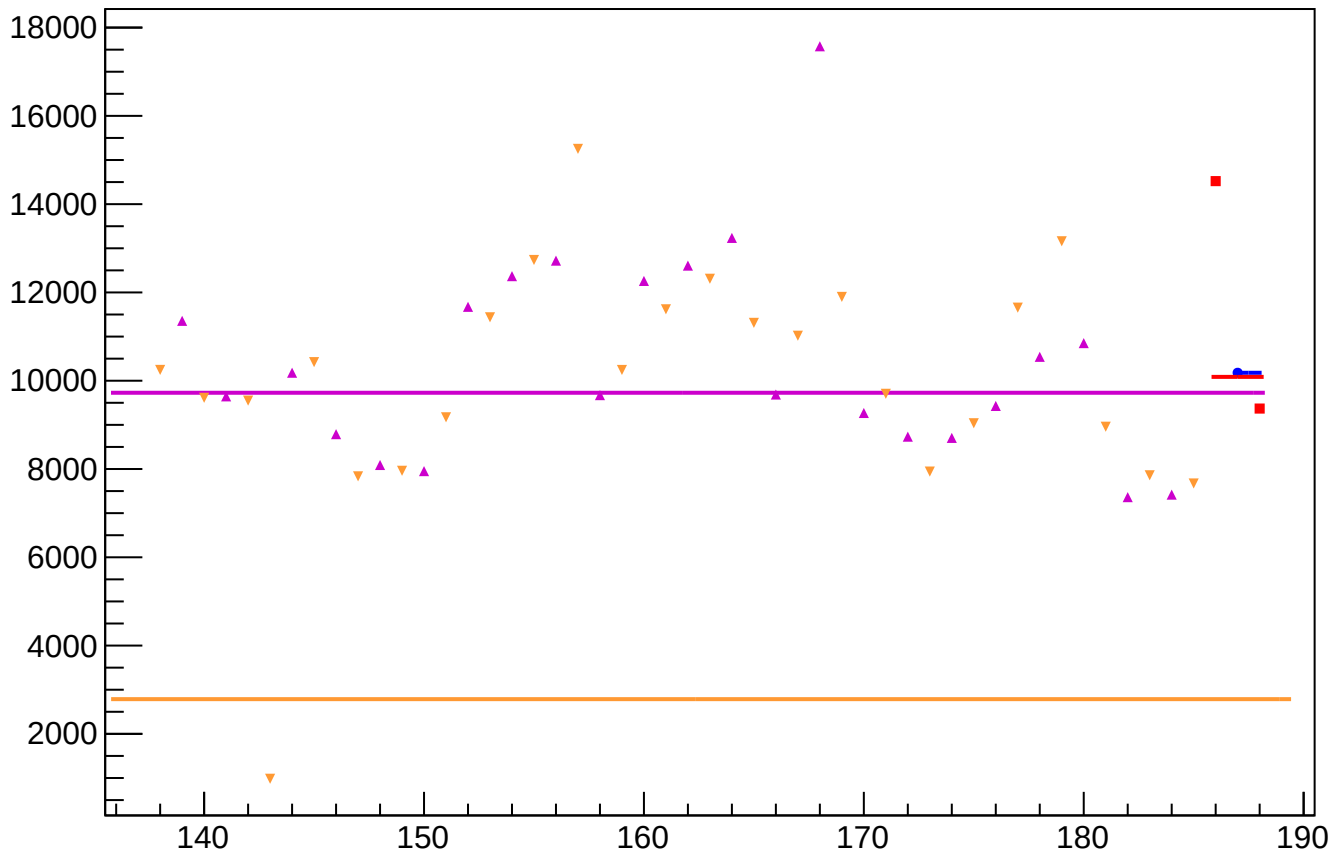
Right: -21908.648 $\pm$ 8699.891 χ^2 /NDF: 3.5/2

In: -228.532 $\pm$ 2356.390 χ^2 /NDF:14.5/23

Out: -2140.438 $\pm$ 1070.882 χ^2 /NDF:39.6/26

All: -1813.160 $\pm$ 974.927 χ^2 /NDF: 54.6/50

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 10179.793+/-18.519 χ^2/NDF : 0.0/0

Left Out: 2786.461+/-0.762 χ^2/NDF : 22863045.3/24

Right Out: 10087.054+/-6.522 χ^2/NDF : 74814.8/1

Left In: 9727.255+/-1.673 χ^2/NDF : 1261406.7/22

Left: 3979.946+/-0.694 χ^2/NDF : 38376569.5/47

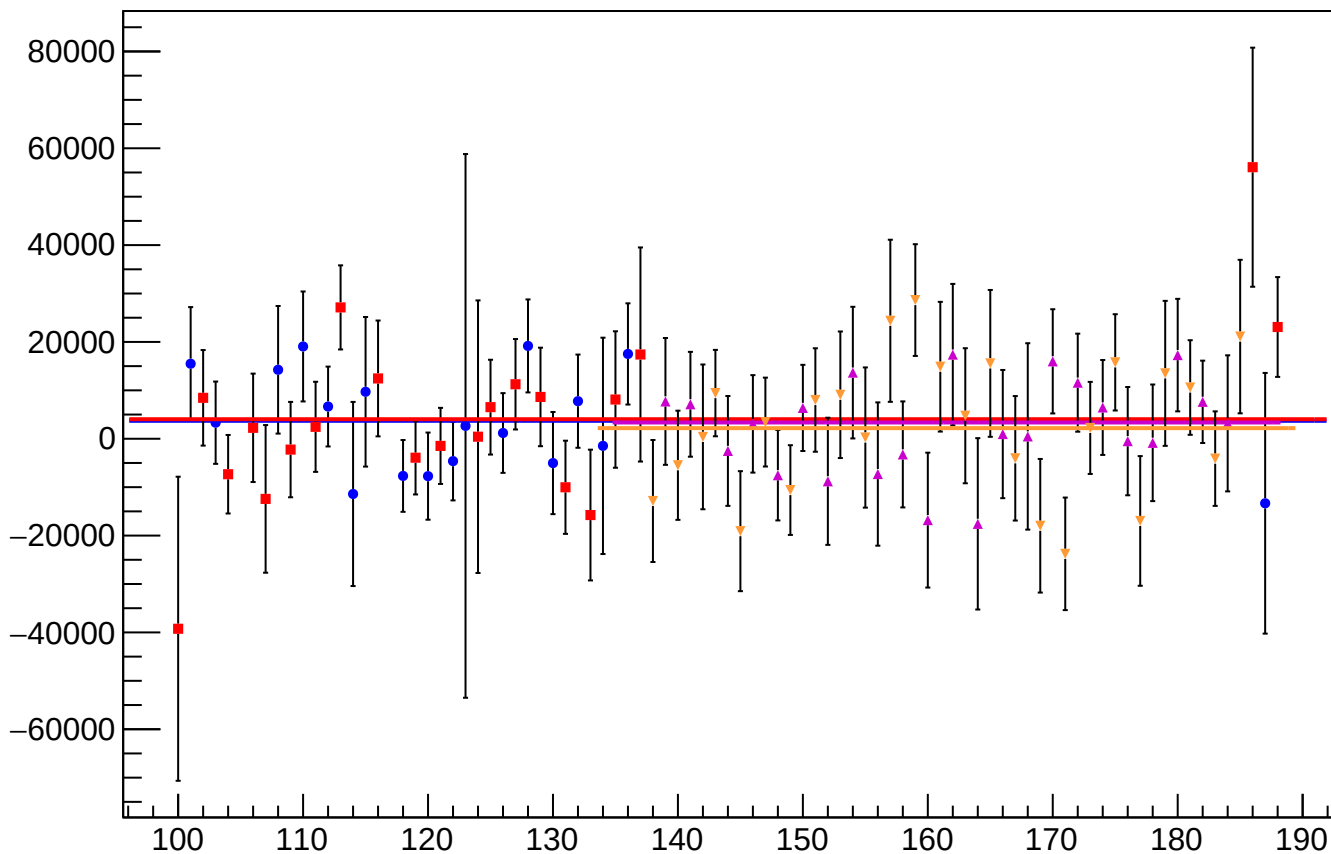
Right: 10097.288+/-6.152 χ^2/NDF : 74837.1/2

In: 9730.919+/-1.666 χ^2/NDF : 1261999.0/23

Out: 2884.869+/-0.757 χ^2/NDF : 24173932.6/26

All: 4056.767+/-0.689 χ^2/NDF : 39427832.9/5

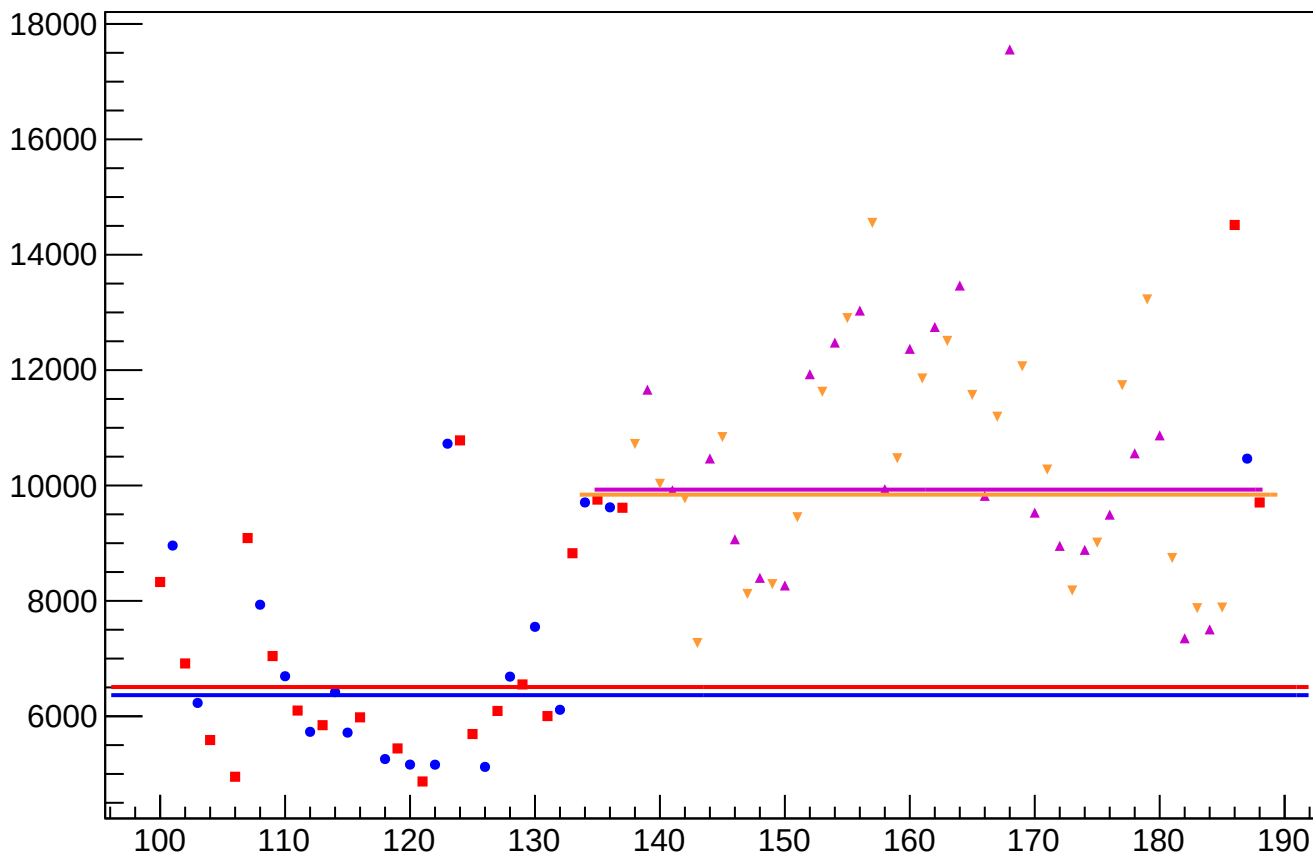
asym_atl2_mean vs Slug, Sign Corrected



Right In: 3711.928 $\pm$ 2497.962 χ^2 /NDF: 15.2/17
 Left Out: 2192.629 $\pm$ 2346.604 χ^2 /NDF:31.2/24
 Right Out: 4034.730 $\pm$ 2346.477 χ^2 /NDF: 28.3/20
 Left In: 3362.489 $\pm$ 2413.842 χ^2 /NDF:12.8/22

Left: 2761.039 $\pm$ 1682.568 χ^2 /NDF: 44.1/47
 Right: 3883.413 $\pm$ 1710.257 χ^2 /NDF: 43.5/38
 In: 3531.226 $\pm$ 1735.821 χ^2 /NDF:28.0/40
 Out: 3113.730 $\pm$ 1659.255 χ^2 /NDF:59.8/45
 All: 3313.067 $\pm$ 1199.425 χ^2 /NDF: 87.8/86

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6365.887+/-1.766 χ^2/NDF : 640173.3/17

Left Out: 9841.227+/-1.659 χ^2/NDF : 1184767.7/24

Right Out: 6506.851+/-1.659 χ^2/NDF : 960354.3/20

Left In: 9928.662+/-1.707 χ^2/NDF : 1220804.9/22

Left: 9883.710+/-1.190 χ^2/NDF : 2406921.7/47

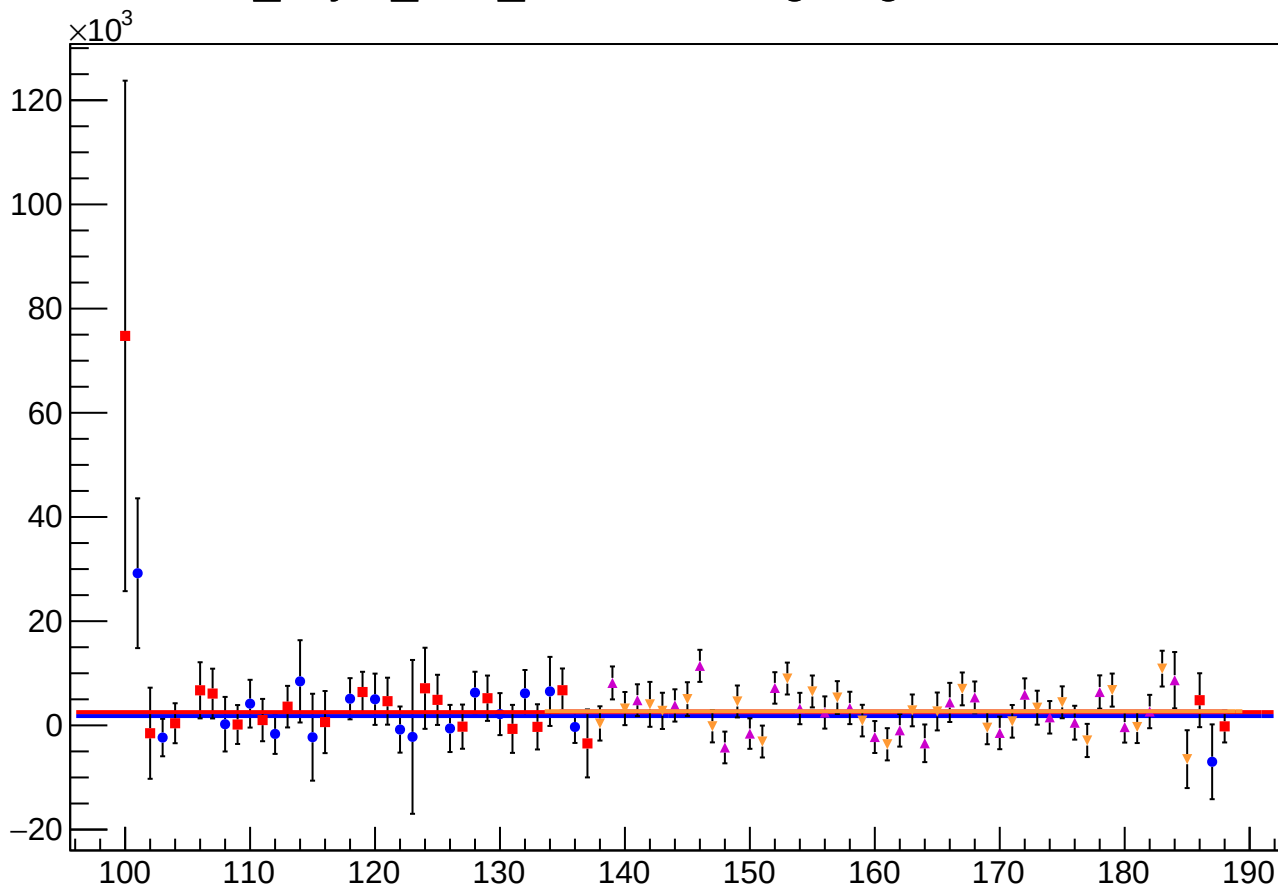
Right: 6440.775+/-1.209 χ^2/NDF : 1603911.2/38

In: 8208.265+/-1.227 χ^2/NDF : 3964899.0/40

Out: 8173.876+/-1.173 χ^2/NDF : 4164379.6/45

All: 8190.295+/-0.848 χ^2/NDF : 8129688.8/86

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1786.358 $\pm$ 1120.347 χ^2 /NDF: 13.6/17

Left Out: 2712.564 $\pm$ 648.832 χ^2 /NDF:34.7/24

Right Out: 2543.846 $\pm$ 1005.141 χ^2 /NDF: 10.9/20

Left In: 2697.794 $\pm$ 662.544 χ^2 /NDF:36.1/22

Left: 2705.333 $\pm$ 463.565 χ^2 /NDF: 70.8/47

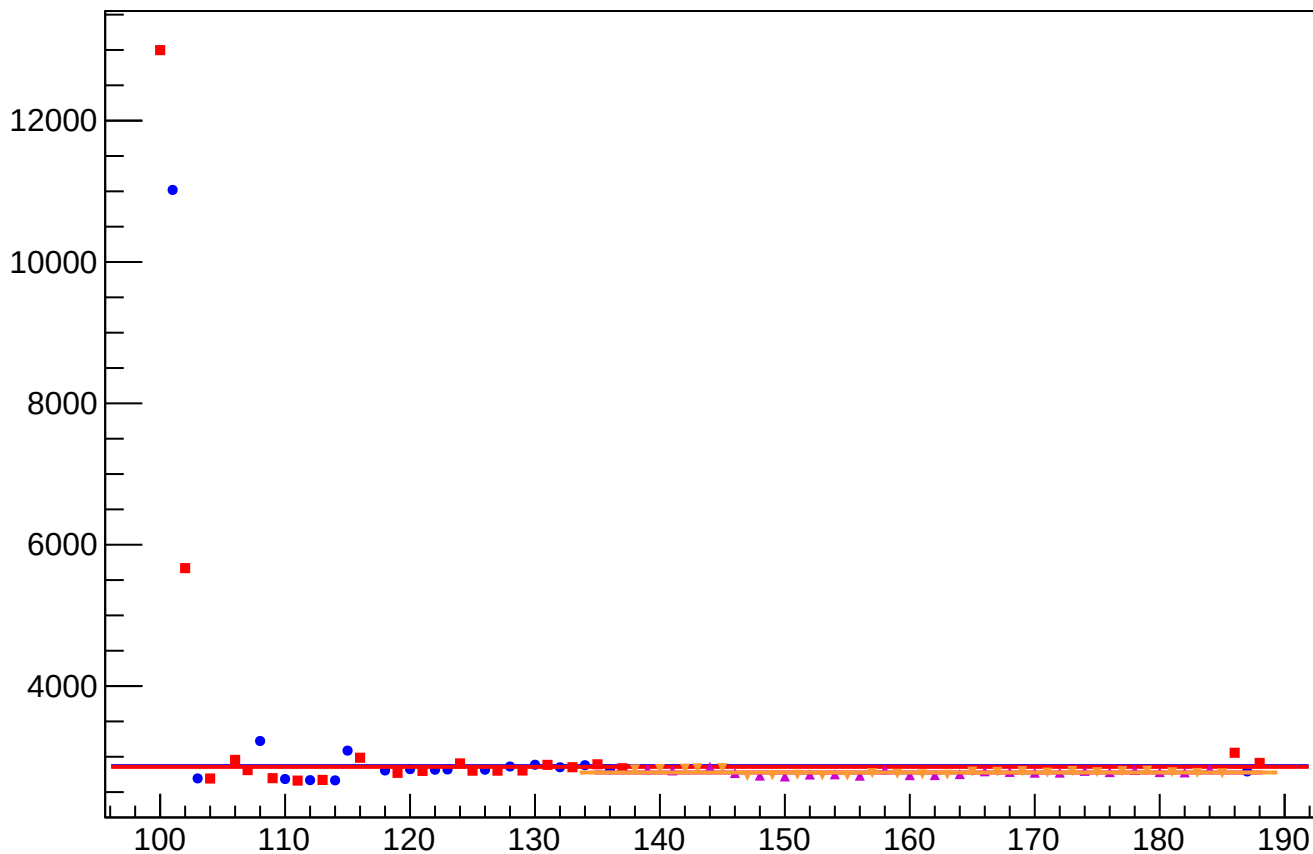
Right: 2206.039 $\pm$ 748.168 χ^2 /NDF: 24.8/38

In: 2461.634 $\pm$ 570.286 χ^2 /NDF:50.1/40

Out: 2662.939 $\pm$ 545.124 χ^2 /NDF:45.7/45

All: 2566.825 $\pm$ 394.056 χ^2 /NDF: 95.9/86

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2867.316+/-0.792 χ^2/NDF : 670126.3/17

Left Out: 2777.450+/-0.459 χ^2/NDF : 5253.1/24

Right Out: 2857.196+/-0.711 χ^2/NDF : 316542.6/20

Left In: 2777.355+/-0.468 χ^2/NDF : 5488.7/22

Left: 2777.404+/-0.328 χ^2/NDF : 10741.8/47

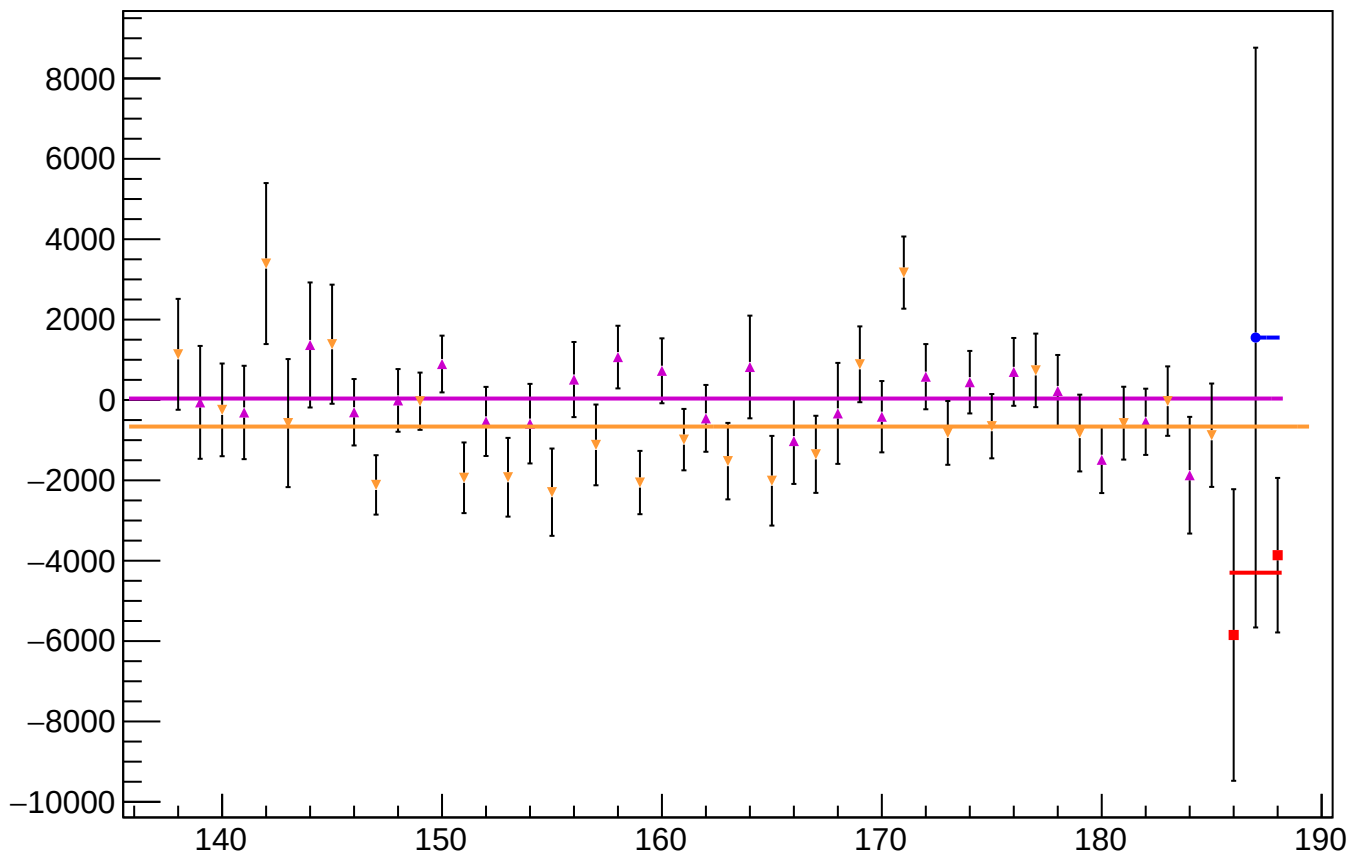
Right: 2861.709+/-0.529 χ^2/NDF : 986759.3/38

In: 2800.665+/-0.403 χ^2/NDF : 685169.2/40

Out: 2800.906+/-0.385 χ^2/NDF : 330681.8/45

All: 2800.791+/-0.279 χ^2/NDF : 1015851.2/86

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: 1552.615 $\pm$ 7213.588 χ^2 /NDF: 0.0/0

Left Out: -661.759 $\pm$ 190.222 χ^2 /NDF:48.7/24

Right Out: -4298.078 $\pm$ 1698.872 χ^2 /NDF: 0.2/1

Left In: 35.366 $\pm$ 190.553 χ^2 /NDF:15.1/22

Left: -313.803 $\pm$ 134.624 χ^2 /NDF: 70.5/47

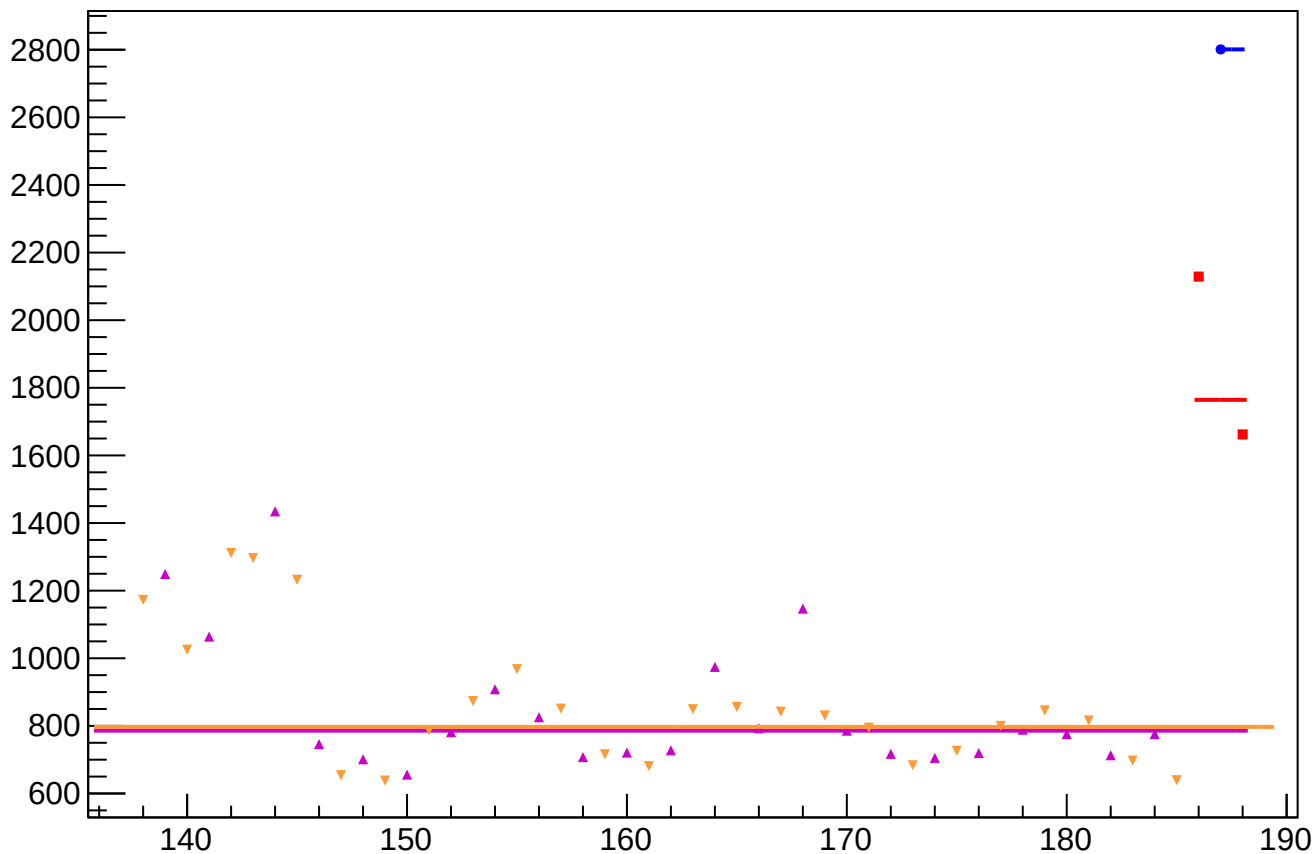
Right: -3990.623 $\pm$ 1653.632 χ^2 /NDF: 0.9/2

In: 36.424 $\pm$ 190.487 χ^2 /NDF:15.1/23

Out: -706.784 $\pm$ 189.041 χ^2 /NDF:53.4/26

All: -338.012 $\pm$ 134.180 χ^2 /NDF: 76.3/50

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 2801.017+/-5.101 χ^2/NDF : 0.0/0

Left Out: 796.994+/-0.135 χ^2/NDF :1174879.0/24

Right Out: 1764.434+/-1.201 χ^2/NDF : 25858.8/1

Left In: 785.928+/-0.135 χ^2/NDF :1126027.7/22

Left: 791.470+/-0.095 χ^2/NDF : 2304284.9/47

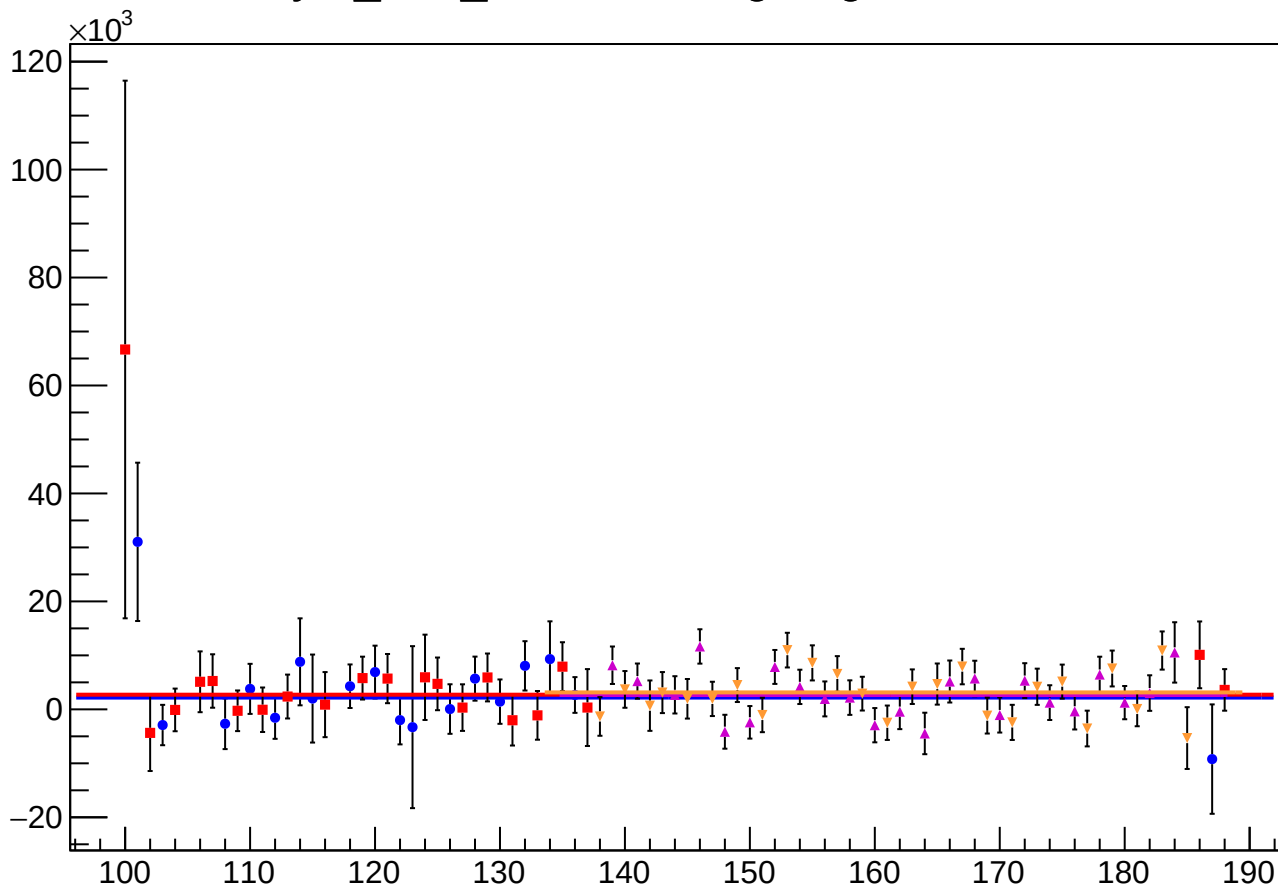
Right: 1818.906+/-1.169 χ^2/NDF : 64987.2/2

In: 787.333+/-0.135 χ^2/NDF :1281987.6/23

Out: 808.972+/-0.134 χ^2/NDF :1841277.1/26

All: 798.235+/-0.095 χ^2/NDF : 3136268.0/50

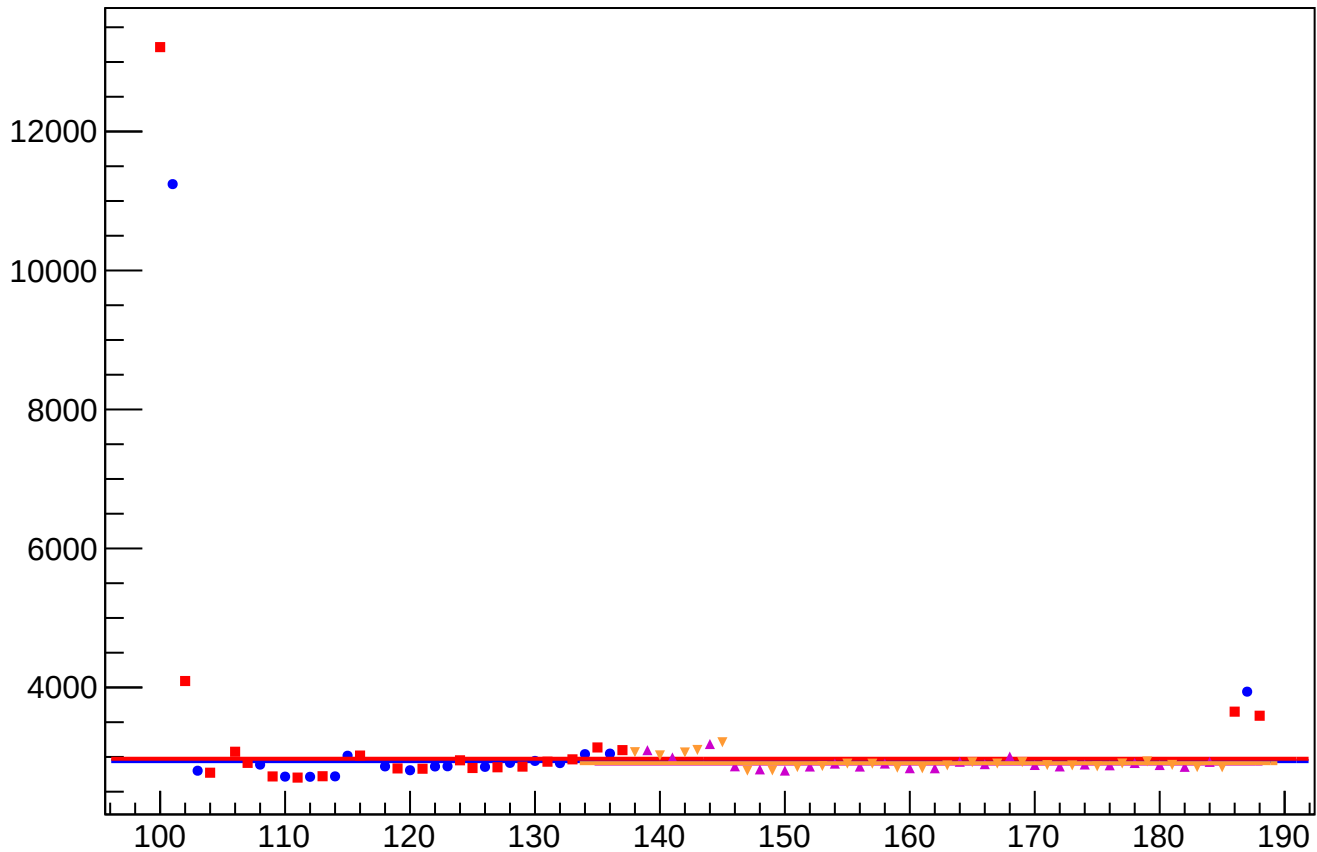
asym_atr1_mean vs Slug, Sign Corrected



Right In: 2181.677+/-1149.096 χ^2 /NDF: 15.7/17
 Left Out: 3139.358+/-680.222 χ^2 /NDF:38.3/24
 Right Out: 2715.133+/-1051.149 χ^2 /NDF: 11.6/20
 Left In: 2659.828+/-693.121 χ^2 /NDF:36.9/22

Left: 2904.096+/-485.486 χ^2 /NDF: 75.4/47
 Right: 2472.106+/-775.594 χ^2 /NDF: 27.4/38
 In: 2532.269+/-593.510 χ^2 /NDF:52.7/40
 Out: 3014.142+/-571.077 χ^2 /NDF:50.0/45
 All: 2782.484+/-411.515 χ^2 /NDF: 103.1/86

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2939.633+/-0.813 χ^2/NDF : 682515.9/17

Left Out: 2910.362+/-0.481 χ^2/NDF : 36080.5/24

Right Out: 2974.079+/-0.743 χ^2/NDF : 254238.6/20

Left In: 2904.499+/-0.490 χ^2/NDF : 30423.1/22

Left: 2907.485+/-0.343 χ^2/NDF : 66576.4/47

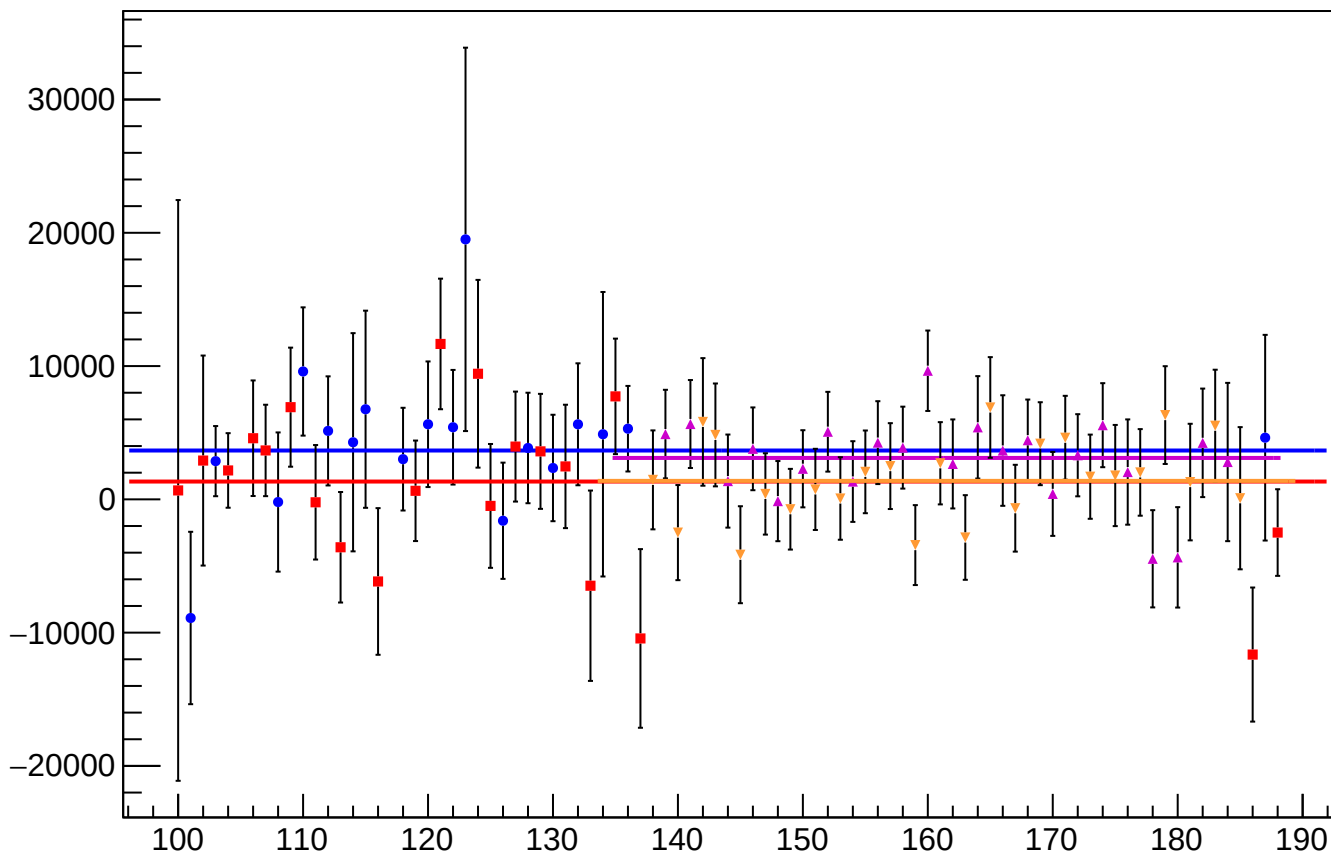
Right: 2958.387+/-0.548 χ^2/NDF : 937732.9/38

In: 2913.872+/-0.420 χ^2/NDF : 714309.9/40

Out: 2929.169+/-0.404 χ^2/NDF : 295498.9/45

All: 2921.815+/-0.291 χ^2/NDF : 1010498.6/86

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3664.509 $\pm$ 1080.727 χ^2/NDF : 9.9/17

Left Out: 1386.275 $\pm$ 684.647 χ^2/NDF :18.0/24

Right Out: 1336.427 $\pm$ 977.450 χ^2/NDF : 27.3/20

Left In: 3106.878 $\pm$ 695.685 χ^2/NDF :18.4/22

Left: 2232.819 $\pm$ 487.974 χ^2/NDF : 39.5/47

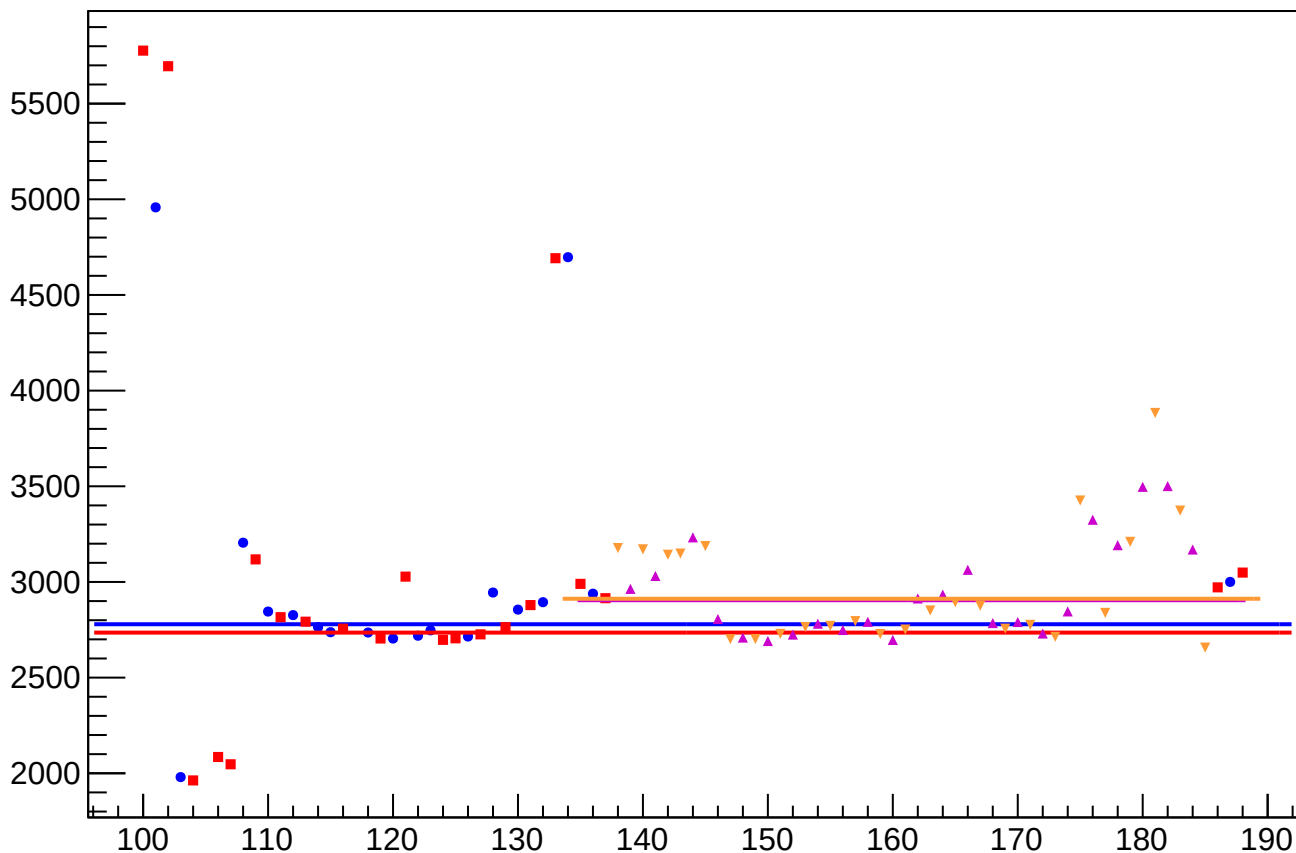
Right: 2383.941 $\pm$ 724.931 χ^2/NDF : 39.7/38

In: 3270.249 $\pm$ 584.966 χ^2/NDF :28.5/40

Out: 1369.868 $\pm$ 560.768 χ^2/NDF :45.3/45

All: 2279.942 $\pm$ 404.807 χ^2/NDF : 79.3/86

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2779.044+/-0.764 χ^2/NDF : 503356.9/17

Left Out: 2912.211+/-0.484 χ^2/NDF : 290908.5/24

Right Out: 2735.275+/-0.691 χ^2/NDF : 806662.0/20

Left In: 2904.472+/-0.492 χ^2/NDF : 217578.9/22

Left: 2908.403+/-0.345 χ^2/NDF : 508613.1/47

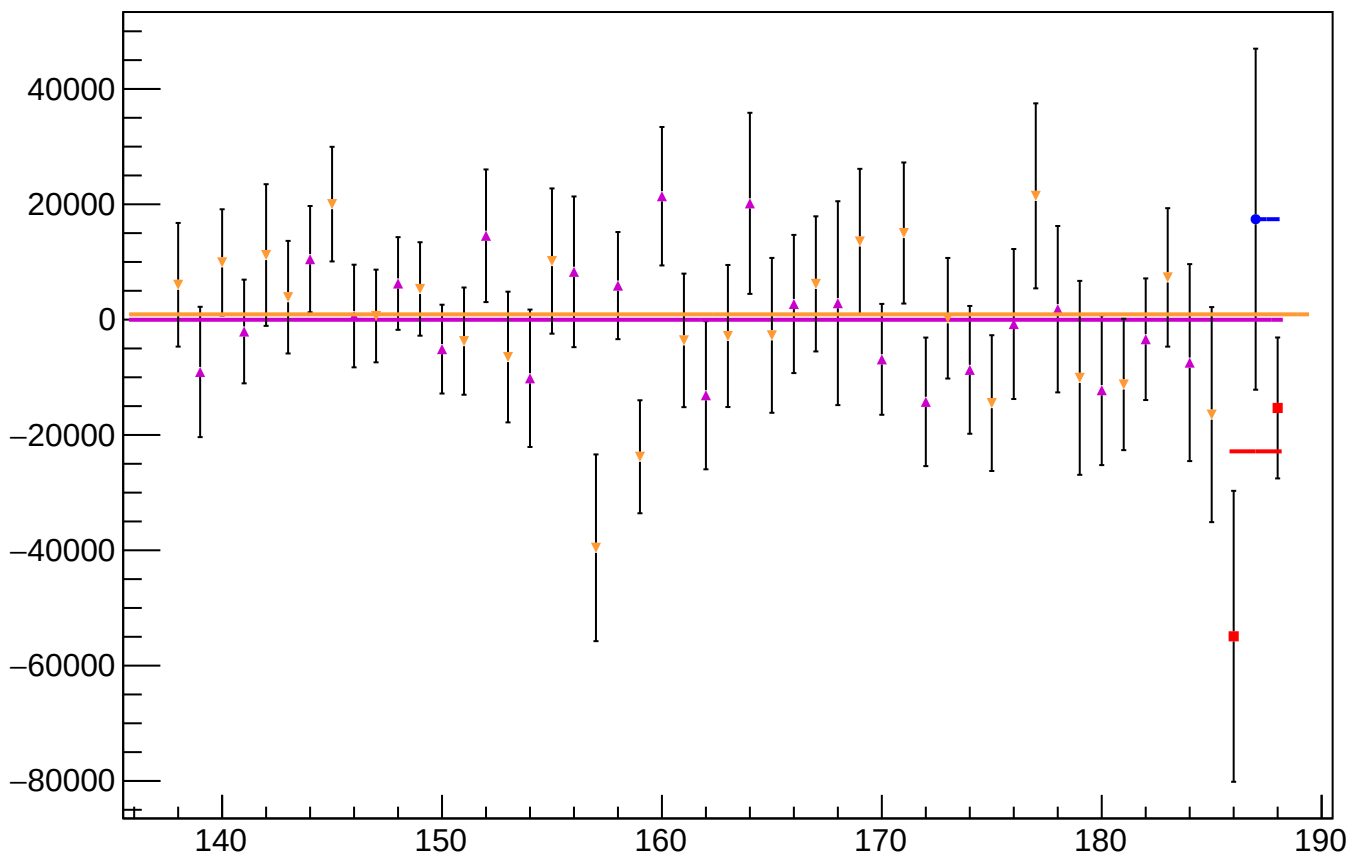
Right: 2754.962+/-0.513 χ^2/NDF : 1311823.8/38

In: 2867.725+/-0.414 χ^2/NDF : 739982.6/40

Out: 2853.952+/-0.396 χ^2/NDF : 1141552.1/45

All: 2860.547+/-0.286 χ^2/NDF : 1882112.5/86

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: 17416.307 $\pm$ 29570.292 χ^2 /NDF: 0.0/0

Left Out: 916.096 $\pm$ 2238.762 χ^2 /NDF:28.7/24

Right Out: -22842.825 $\pm$ 10997.790 χ^2 /NDF: 2.0/1

Left In: -25.729 $\pm$ 2280.428 χ^2 /NDF:16.1/22

Left: 453.866 $\pm$ 1597.571 χ^2 /NDF: 44.9/47

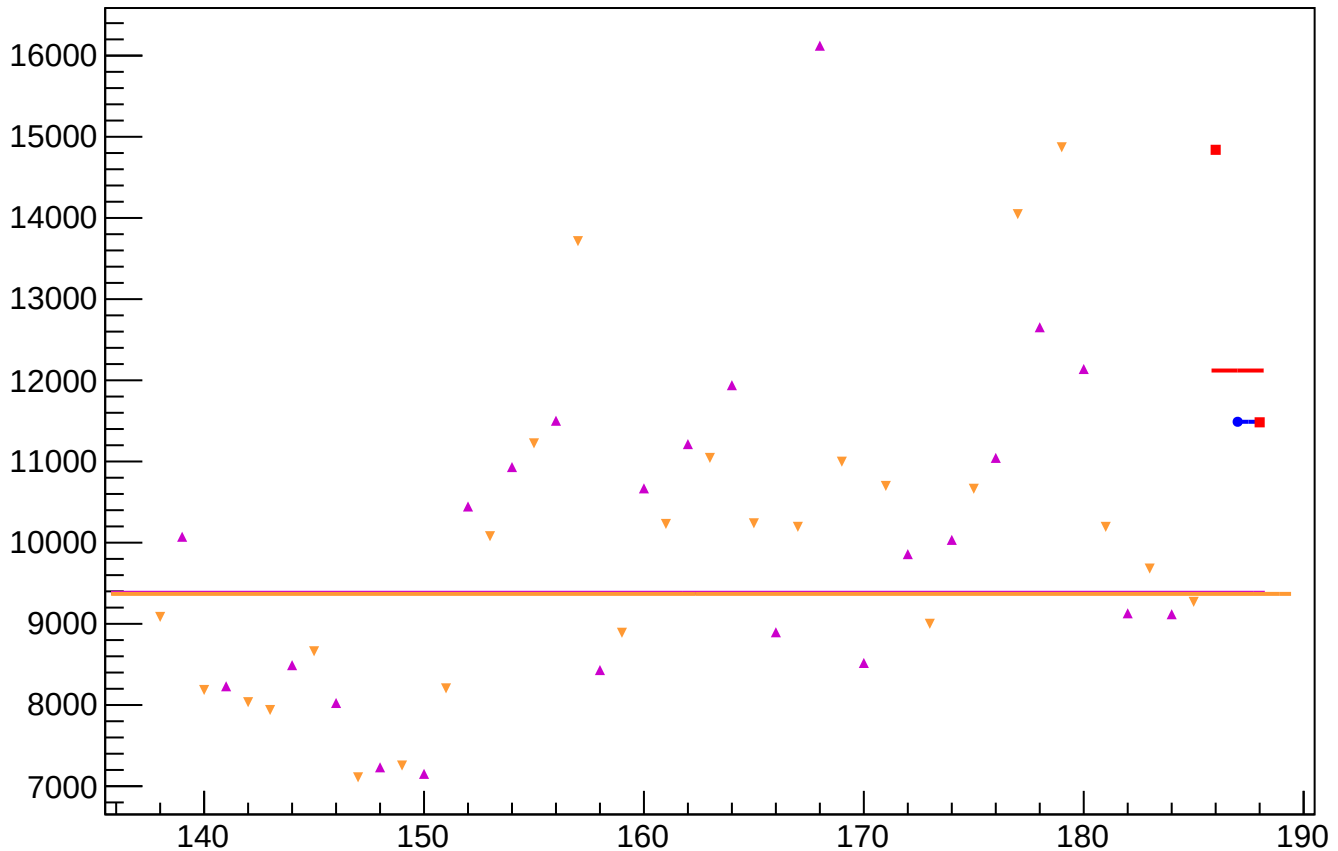
Right: -17950.696 $\pm$ 10307.951 χ^2 /NDF: 3.6/2

In: 77.391 $\pm$ 2273.677 χ^2 /NDF:16.4/23

Out: -29.266 $\pm$ 2193.770 χ^2 /NDF:35.2/26

All: 22.155 $\pm$ 1578.723 χ^2 /NDF: 51.6/50

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 11489.144 $\pm$ 20.909 χ^2 /NDF: 0.0/0

Left Out: 9369.034 $\pm$ 1.583 χ^2 /NDF:1183012.4/24

Right Out: 12120.561 $\pm$ 7.777 χ^2 /NDF: 28684.0/1

Left In: 9382.727 $\pm$ 1.613 χ^2 /NDF:1205648.8/22

Left: 9375.755 $\pm$ 1.130 χ^2 /NDF: 2388697.9/47

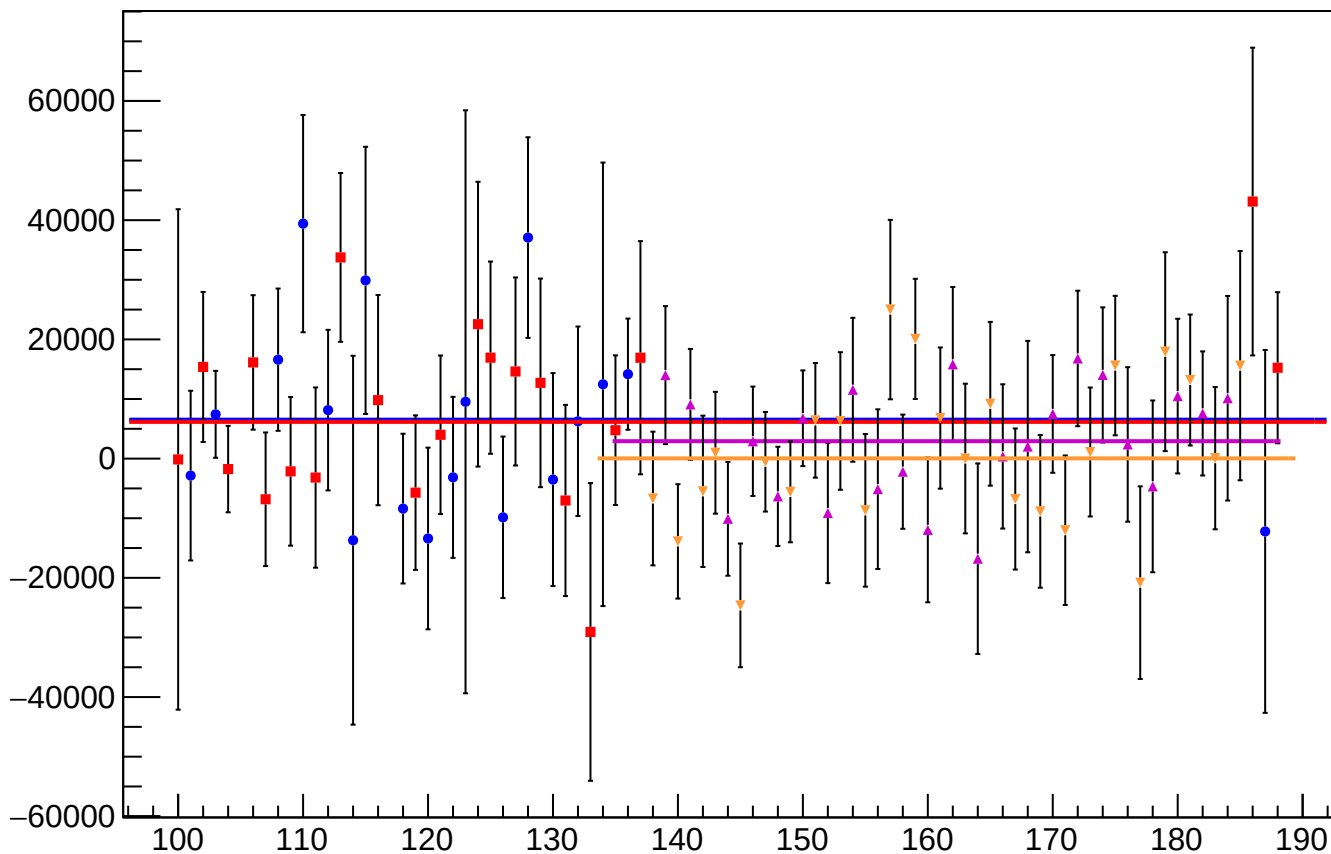
Right: 12043.833 $\pm$ 7.289 χ^2 /NDF: 29485.1/2

In: 9395.181 $\pm$ 1.608 χ^2 /NDF:1215737.4/23

Out: 9478.517 $\pm$ 1.551 χ^2 /NDF:1331904.2/26

All: 9438.339 $\pm$ 1.116 χ^2 /NDF: 2549033.1/50

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6535.091+/-3366.350 χ^2/NDF : 15.7/17

Left Out: 43.265+/-2290.867 χ^2/NDF : 25.9/24

Right Out: 6165.222+/-3051.517 χ^2/NDF : 16.3/20

Left In: 2925.533+/-2330.587 χ^2/NDF : 14.6/22

Left: 1459.628+/-1633.750 χ^2/NDF : 41.2/47

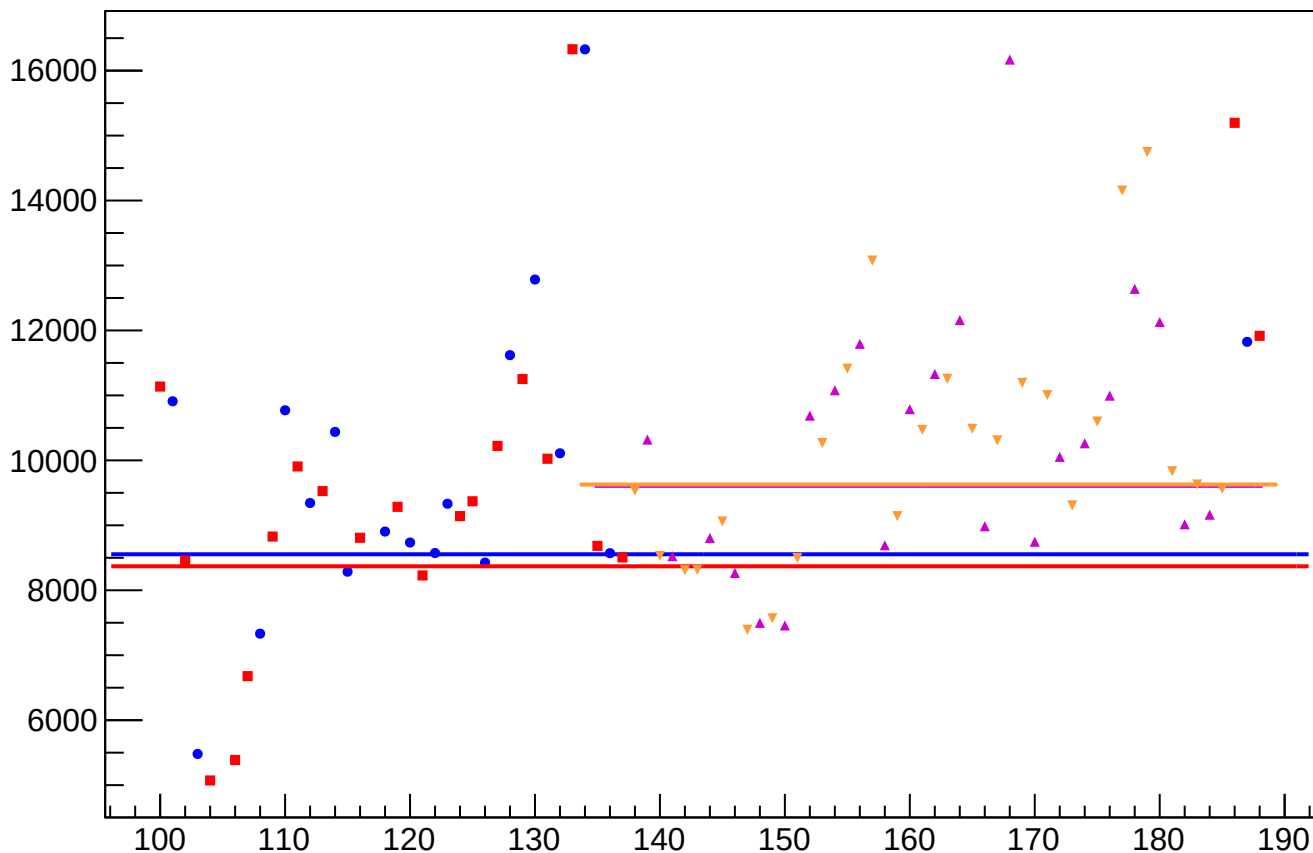
Right: 6332.056+/-2260.880 χ^2/NDF : 32.0/38

In: 4095.054+/-1916.180 χ^2/NDF : 31.1/40

Out: 2249.916+/-1832.051 χ^2/NDF : 44.7/45

All: 3131.092+/-1324.199 χ^2/NDF : 76.3/86

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8554.182 $\pm$ 2.380 χ^2/NDF : 785999.8/17

Left Out: 9627.824 $\pm$ 1.620 χ^2/NDF :1004641.7/24

Right Out: 8369.197 $\pm$ 2.158 χ^2/NDF : 1269967.3/20

Left In: 9607.553 $\pm$ 1.648 χ^2/NDF :1085465.7/22

Left: 9617.863 $\pm$ 1.155 χ^2/NDF : 2090184.3/47

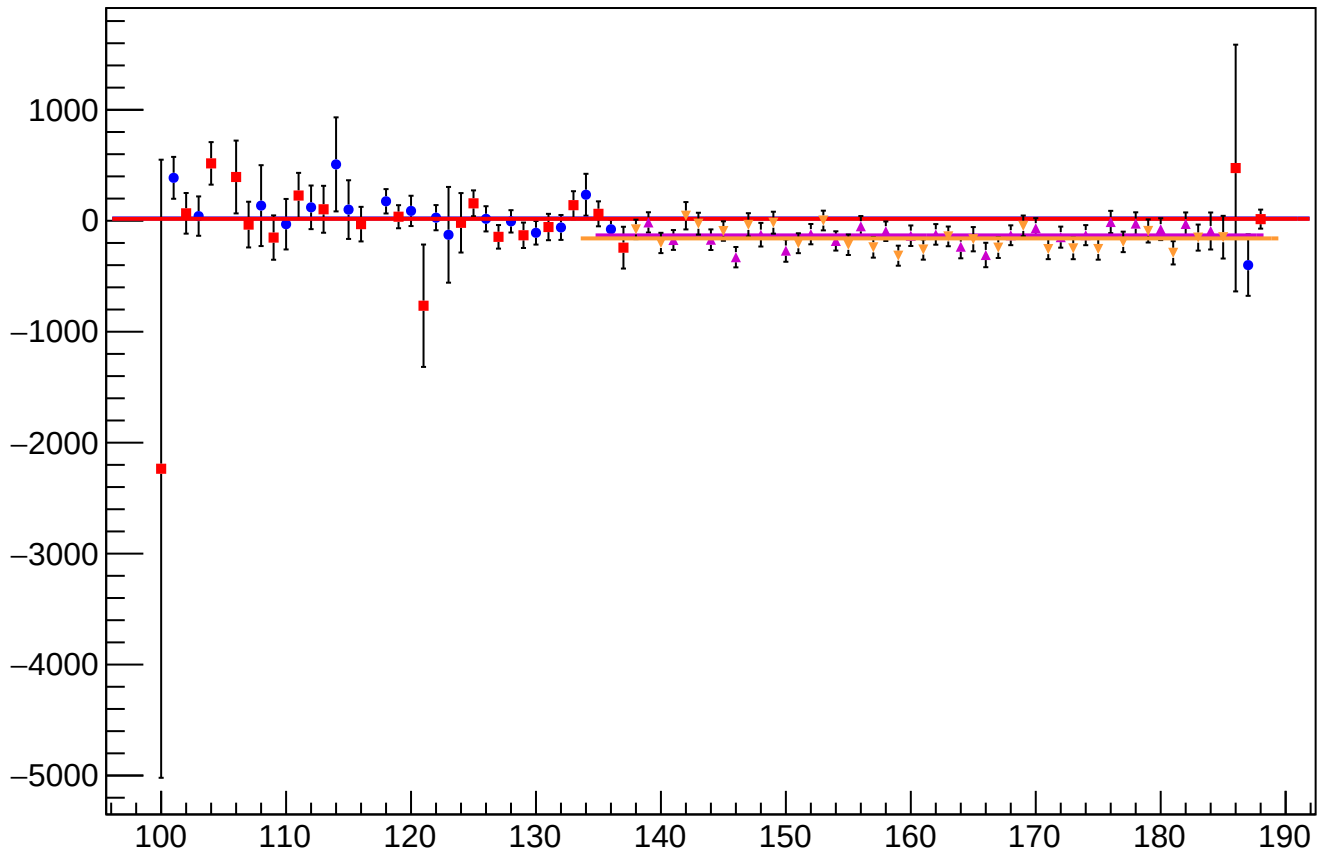
Right: 8452.634 $\pm$ 1.599 χ^2/NDF : 2059282.4/38

In: 9266.254 $\pm$ 1.355 χ^2/NDF :2003843.6/40

Out: 9174.135 $\pm$ 1.295 χ^2/NDF :2492222.7/45

All: 9218.127 $\pm$ 0.936 χ^2/NDF : 4498481.1/86

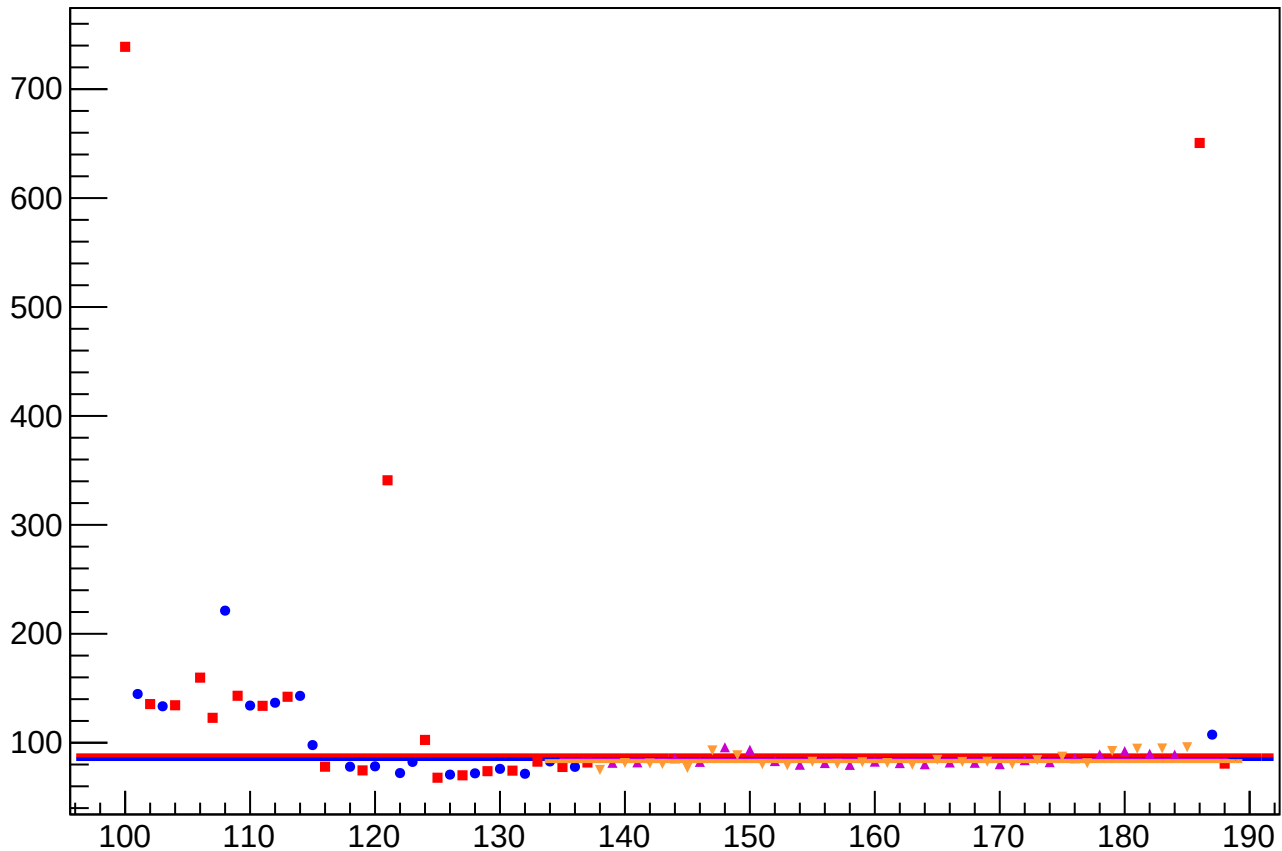
dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 20.585 ± 33.774 χ^2/NDF : 14.9/17
Left Out: -158.948 ± 19.453 χ^2/NDF : 25.8/24
Right Out: 17.385 ± 32.819 χ^2/NDF : 22.0/20
Left In: -131.879 ± 20.076 χ^2/NDF : 17.8/22

Left: -145.840 ± 13.970 χ^2/NDF : 44.5/47
Right: 18.939 ± 23.537 χ^2/NDF : 37.0/38
In: -92.074 ± 17.257 χ^2/NDF : 47.8/40
Out: -113.103 ± 16.734 χ^2/NDF : 69.2/45
All: -102.912 ± 12.014 χ^2/NDF : 117.7/86

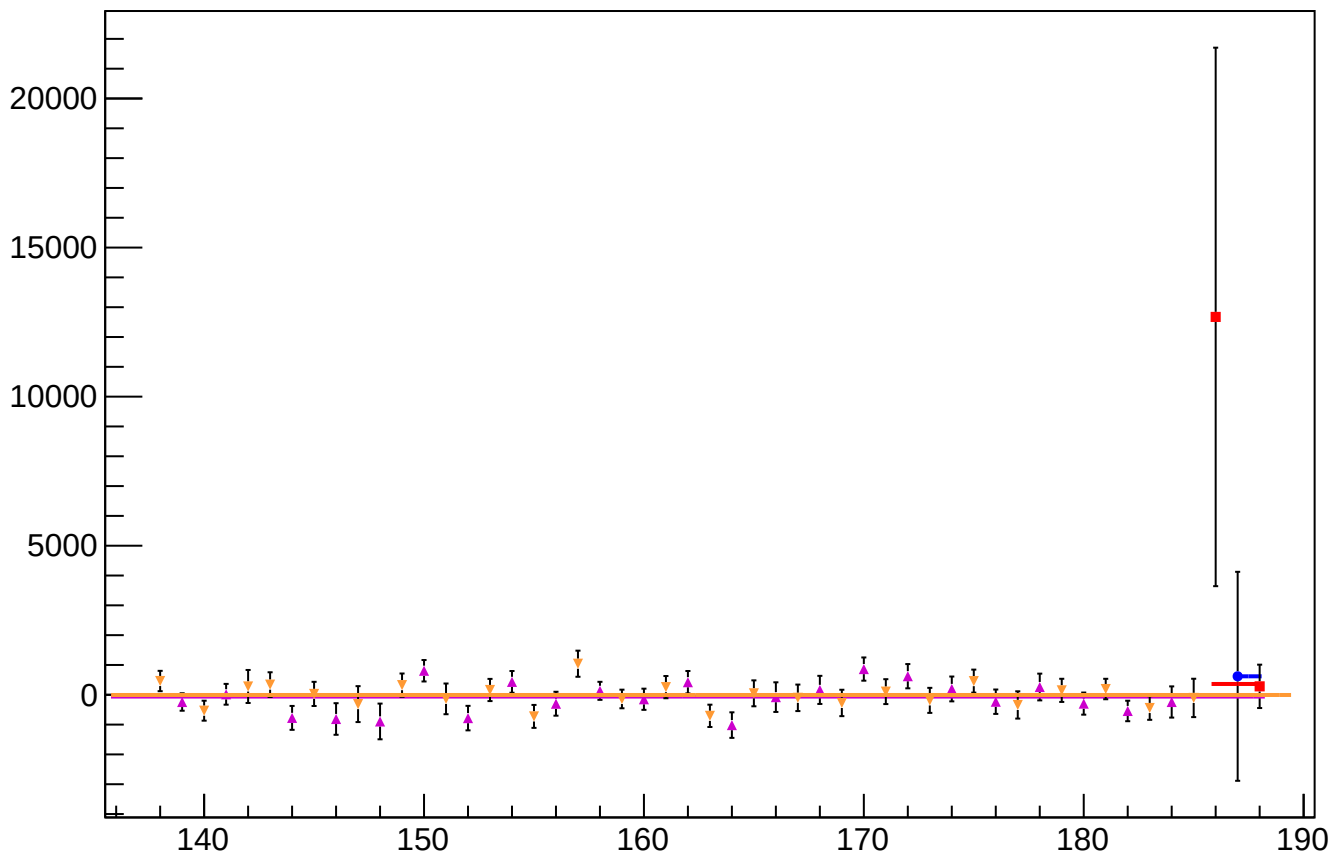
dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 85.075 $\pm$ 0.024 χ^2 /NDF: 1077650.8/17
 Left Out: 83.126 $\pm$ 0.014 χ^2 /NDF:138741.0/24
 Right Out: 88.413 $\pm$ 0.023 χ^2 /NDF: 2086965.3/20
 Left In: 84.108 $\pm$ 0.014 χ^2 /NDF:96934.3/22

Left: 83.602 $\pm$ 0.010 χ^2 /NDF: 238144.0/47
 Right: 86.792 $\pm$ 0.017 χ^2 /NDF: 3174668.9/38
 In: 84.361 $\pm$ 0.012 χ^2 /NDF:1175794.8/40
 Out: 84.501 $\pm$ 0.012 χ^2 /NDF:2264117.9/45
 All: 84.433 $\pm$ 0.008 χ^2 /NDF: 3439980.7/86

asym_sam1_correction_mean vs Slug, Sign Corrected



Right In: 619.744+/-3504.878 χ^2/NDF : 0.0/0

Left Out: -6.627+/-81.138 χ^2/NDF : 24.4/24

Right Out: 362.565+/-725.075 χ^2/NDF : 1.9/1

Left In: -59.971+/-82.046 χ^2/NDF : 38.0/22

Left: -33.002+/-57.692 χ^2/NDF : 62.6/47

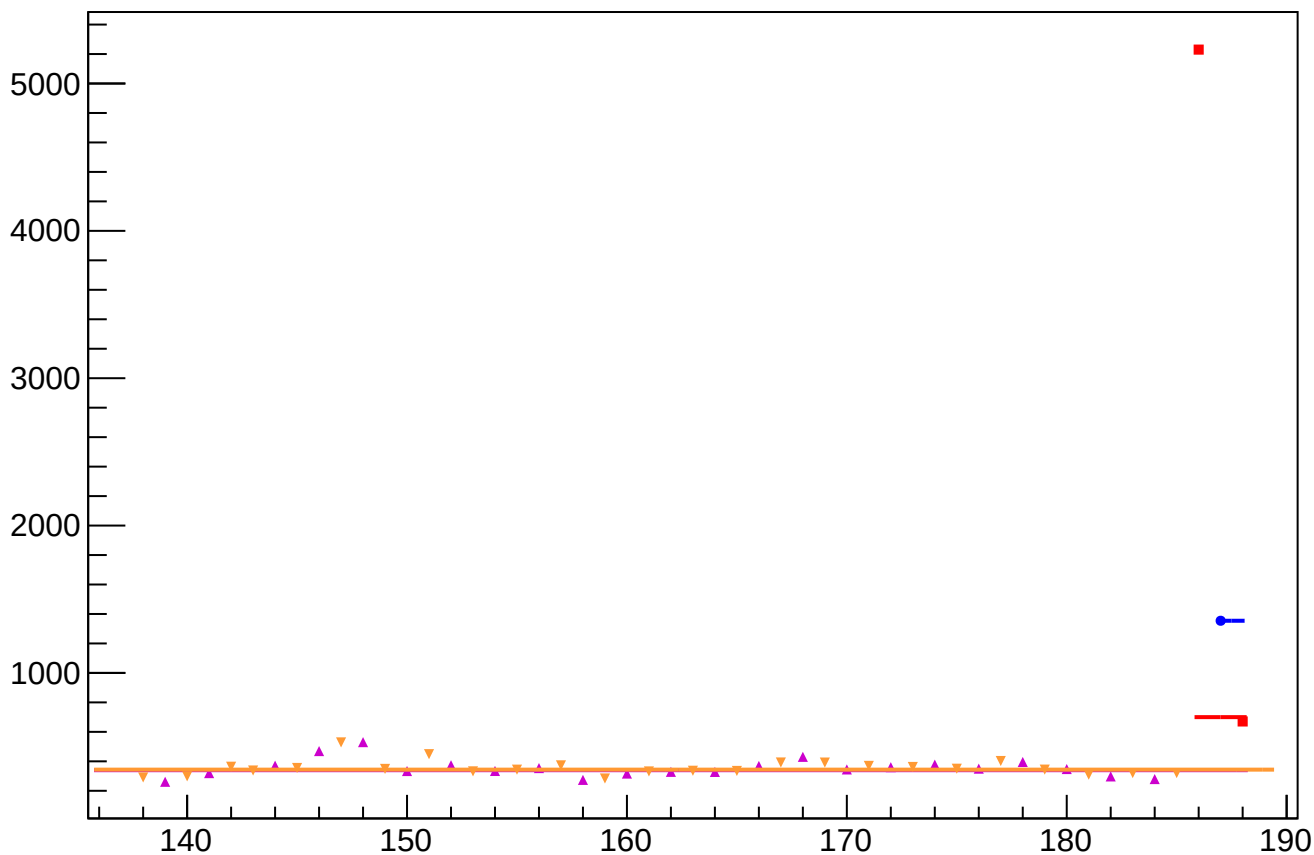
Right: 373.120+/-710.040 χ^2/NDF : 1.9/2

In: -59.599+/-82.024 χ^2/NDF : 38.0/23

Out: -2.062+/-80.635 χ^2/NDF : 26.5/26

All: -30.339+/-57.502 χ^2/NDF : 64.8/50

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 1353.985 $\pm$ 2.478 χ^2 /NDF: 0.0/0

Left Out: 343.620 $\pm$ 0.057 χ^2 /NDF: 571090.7/24

Right Out: 699.949 $\pm$ 0.513 χ^2 /NDF: 506501.8/1

Left In: 339.804 $\pm$ 0.058 χ^2 /NDF: 799750.5/22

Left: 341.733 $\pm$ 0.041 χ^2 /NDF: 1373028.9/47

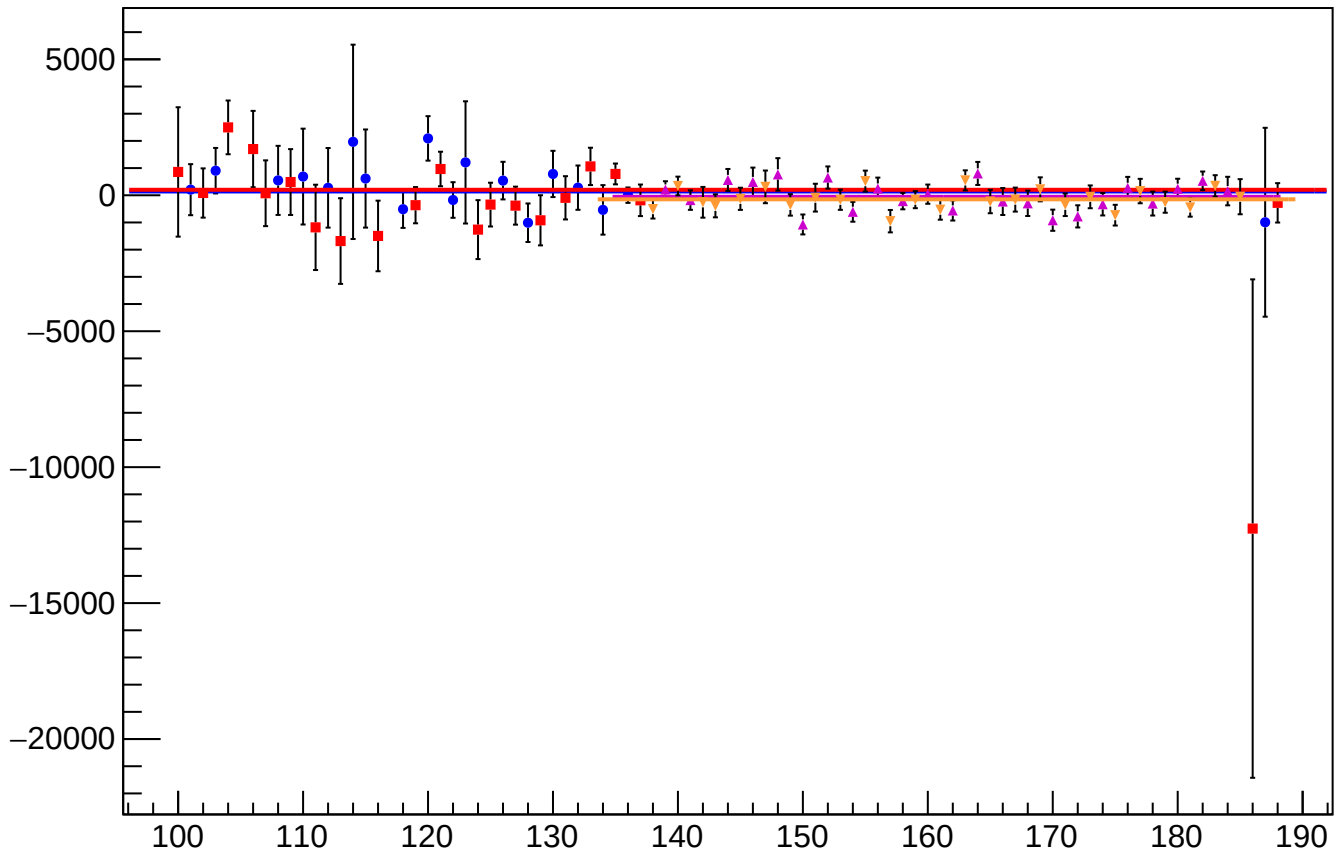
Right: 726.792 $\pm$ 0.502 χ^2 /NDF: 573288.1/2

In: 340.359 $\pm$ 0.058 χ^2 /NDF: 967120.6/23

Out: 348.027 $\pm$ 0.057 χ^2 /NDF: 1554640.5/26

All: 344.259 $\pm$ 0.041 χ^2 /NDF: 2530649.0/50

asym_sam1_mean vs Slug, Sign Corrected



Right In: 140.471+/-178.999 χ^2/NDF : 12.9/17

Left Out: -148.809+/-81.017 χ^2/NDF :22.0/24

Right Out: 201.805+/-178.296 χ^2/NDF : 24.0/20

Left In: -56.402+/-82.155 χ^2/NDF :39.7/22

Left: -103.250+/-57.686 χ^2/NDF : 62.3/47

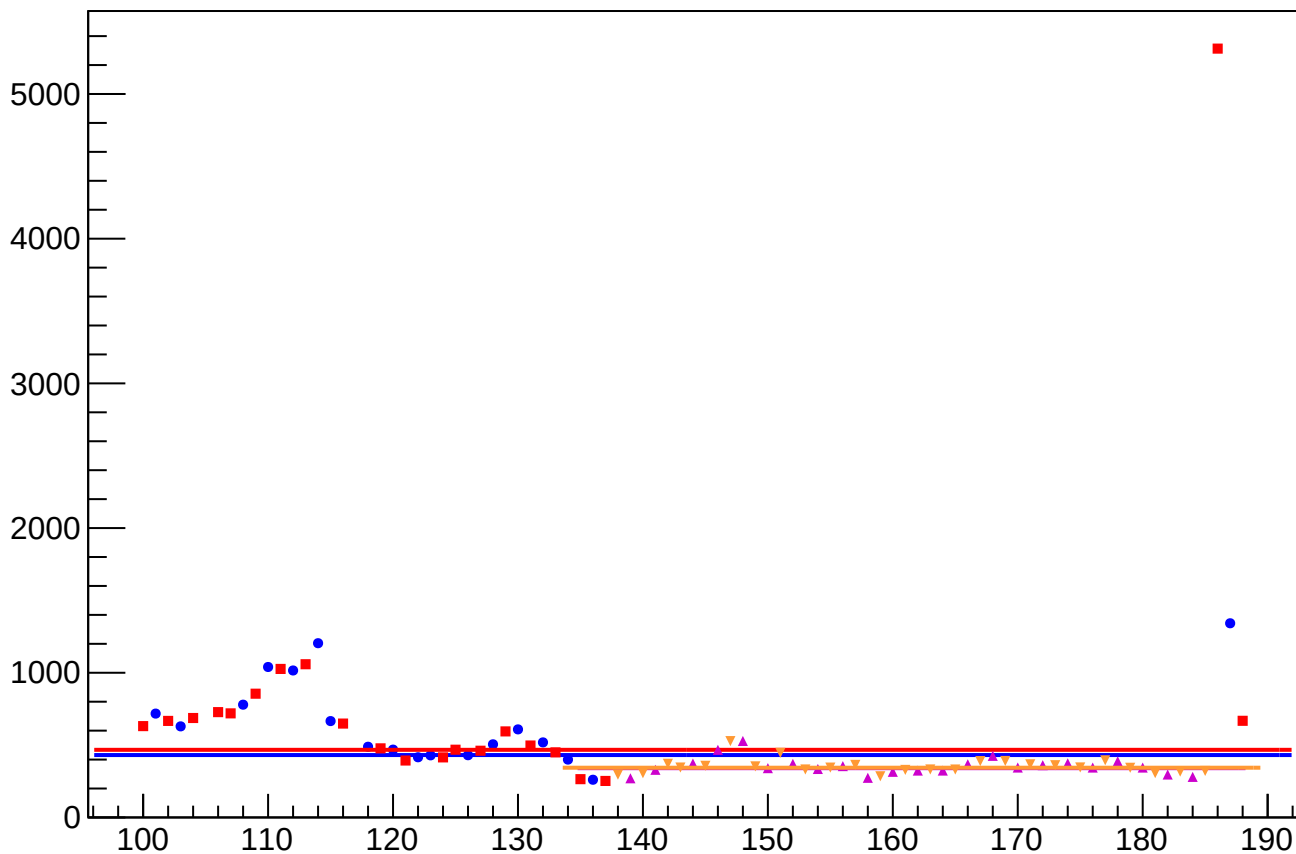
Right: 171.259+/-126.322 χ^2/NDF : 36.9/38

In: -22.146+/-74.666 χ^2/NDF :53.6/40

Out: -88.805+/-73.759 χ^2/NDF :49.2/45

All: -55.883+/-52.473 χ^2/NDF : 103.2/86

asym_sam1_rms vs Slug, Sign Corrected



Right In: 431.281+/-0.127 χ^2/NDF : 2150179.2/17

Left Out: 343.762+/-0.057 χ^2/NDF : 539246.3/24

Right Out: 467.417+/-0.126 χ^2/NDF : 2764814.2/20

Left In: 340.519+/-0.058 χ^2/NDF : 737049.6/22

Left: 342.163+/-0.041 χ^2/NDF : 1277875.5/47

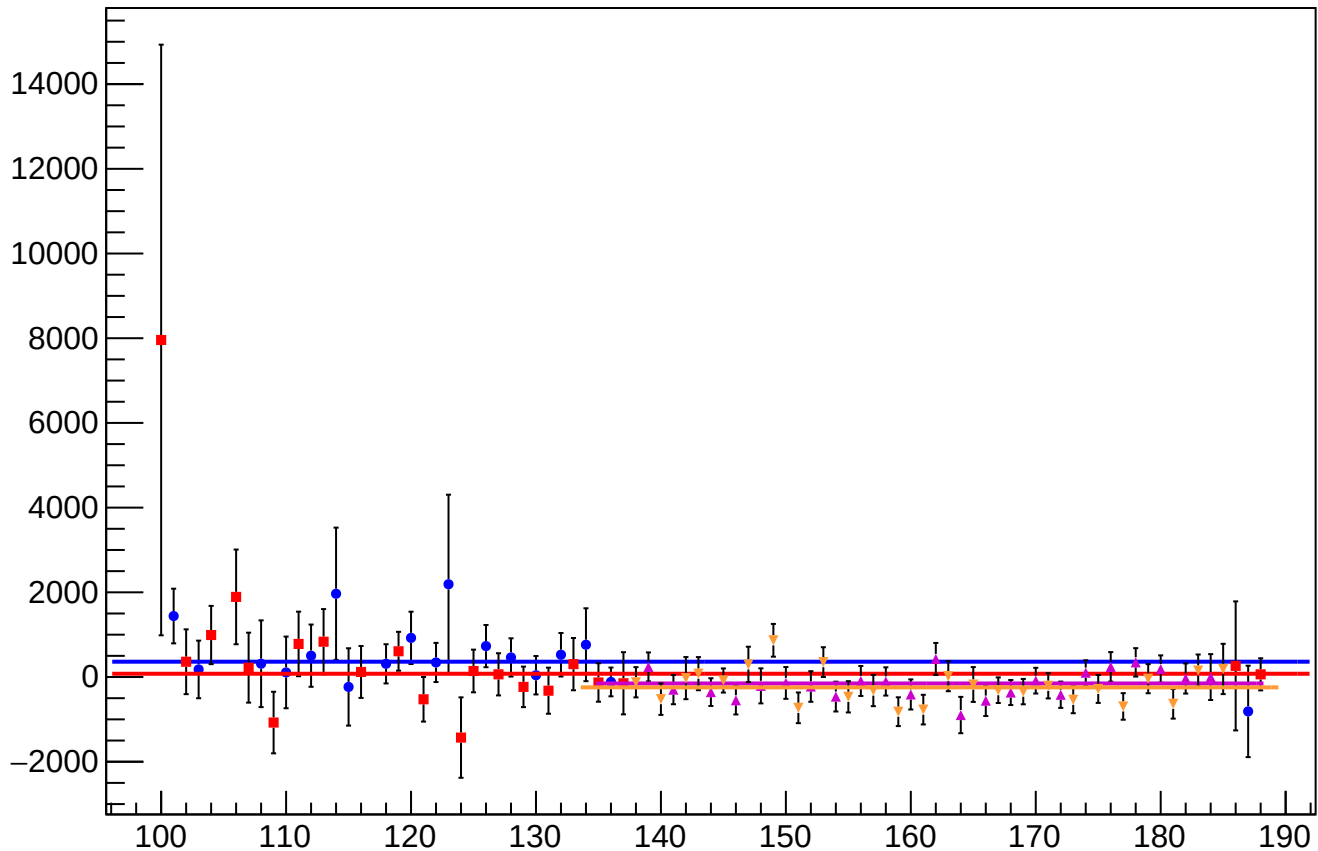
Right: 449.420+/-0.089 χ^2/NDF : 4955908.6/38

In: 356.312+/-0.053 χ^2/NDF : 3311956.7/40

Out: 364.924+/-0.052 χ^2/NDF : 4101412.5/45

All: 360.671+/-0.037 χ^2/NDF : 7426836.4/86

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 361.818 ± 140.000 $\chi^2/\text{NDF}: 10.6/17$

Left Out: -244.459 ± 70.636 $\chi^2/\text{NDF}: 28.9/24$

Right Out: 77.188 ± 133.658 $\chi^2/\text{NDF}: 16.8/20$

Left In: -152.030 ± 72.312 $\chi^2/\text{NDF}: 18.2/22$

Left: -199.328 ± 50.529 $\chi^2/\text{NDF}: 47.9/47$

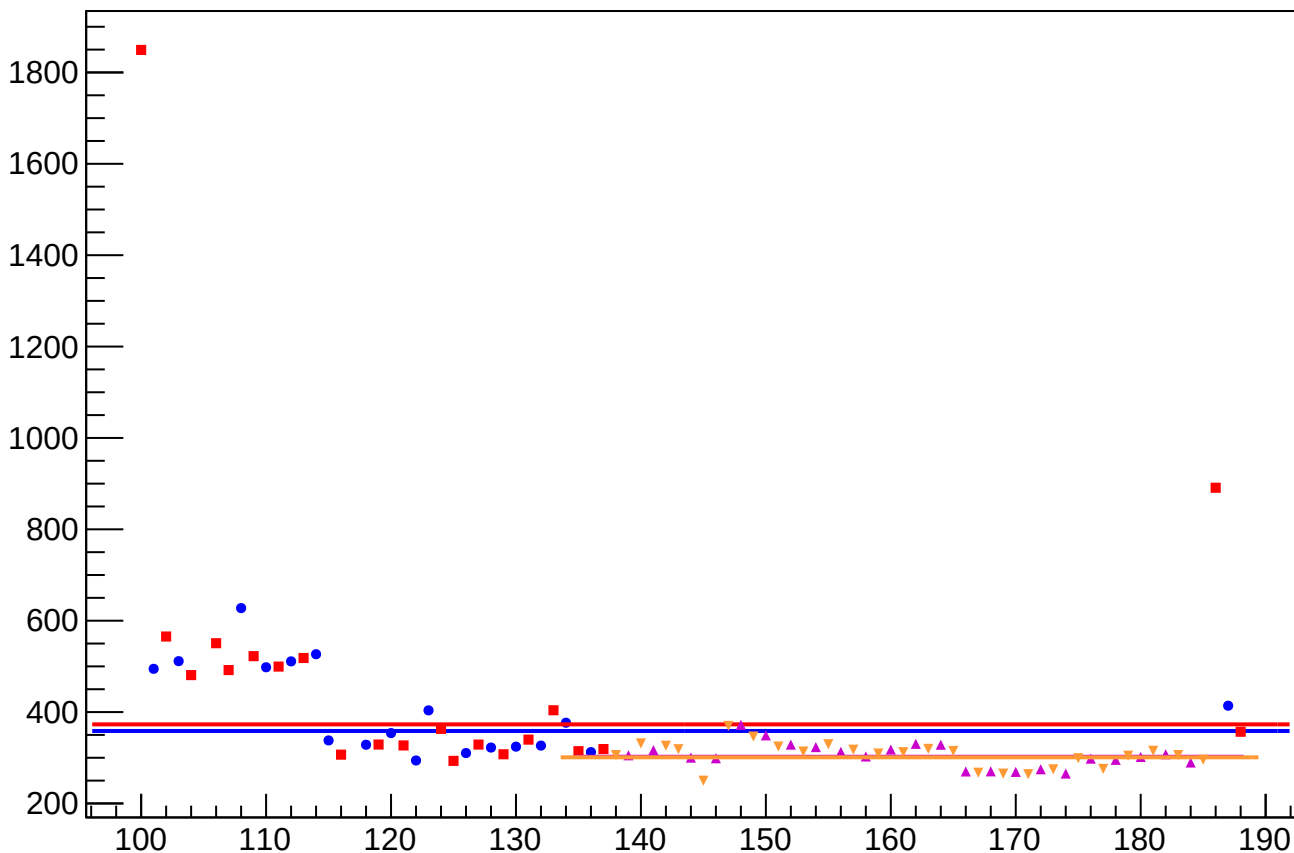
Right: 212.910 ± 96.675 $\chi^2/\text{NDF}: 29.6/38$

In: -43.814 ± 64.248 $\chi^2/\text{NDF}: 39.4/40$

Out: -174.237 ± 62.451 $\chi^2/\text{NDF}: 50.2/45$

All: -110.874 ± 44.781 $\chi^2/\text{NDF}: 91.7/86$

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 358.610 ± 0.099 χ^2/NDF : 635006.3/17

Left Out: 300.961 ± 0.050 χ^2/NDF : 322200.5/24

Right Out: 373.077 ± 0.095 χ^2/NDF : 1020010.1/20

Left In: 302.180 ± 0.051 χ^2/NDF : 247468.9/22

Left: 301.556 ± 0.036 χ^2/NDF : 569960.3/47

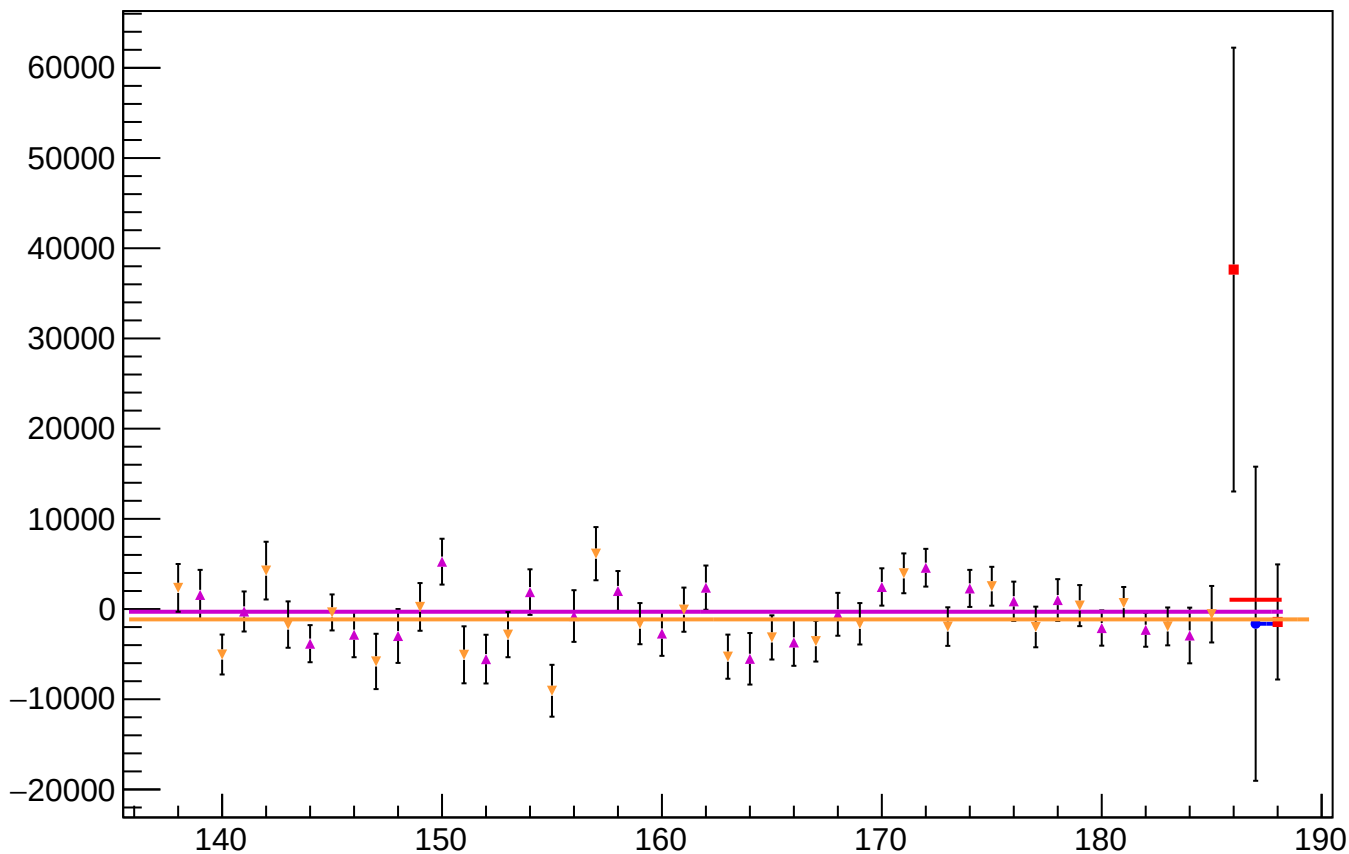
Right: 366.178 ± 0.068 χ^2/NDF : 1666188.9/38

In: 314.064 ± 0.045 χ^2/NDF : 1138977.3/40

Out: 316.705 ± 0.044 χ^2/NDF : 1797337.0/45

All: 315.422 ± 0.032 χ^2/NDF : 2938052.1/86

asym_sam2_correction_mean vs Slug, Sign Corrected



Right In: -1628.344+/-17412.851 χ^2/NDF : 0.0/0

Left Out: -1146.466+/-479.950 χ^2/NDF : 41.3/24

Right Out: 1031.435+/-6176.432 χ^2/NDF : 2.4/1

Left In: -298.915+/-491.476 χ^2/NDF : 35.0/22

Left: -732.745+/-343.379 χ^2/NDF : 77.8/47

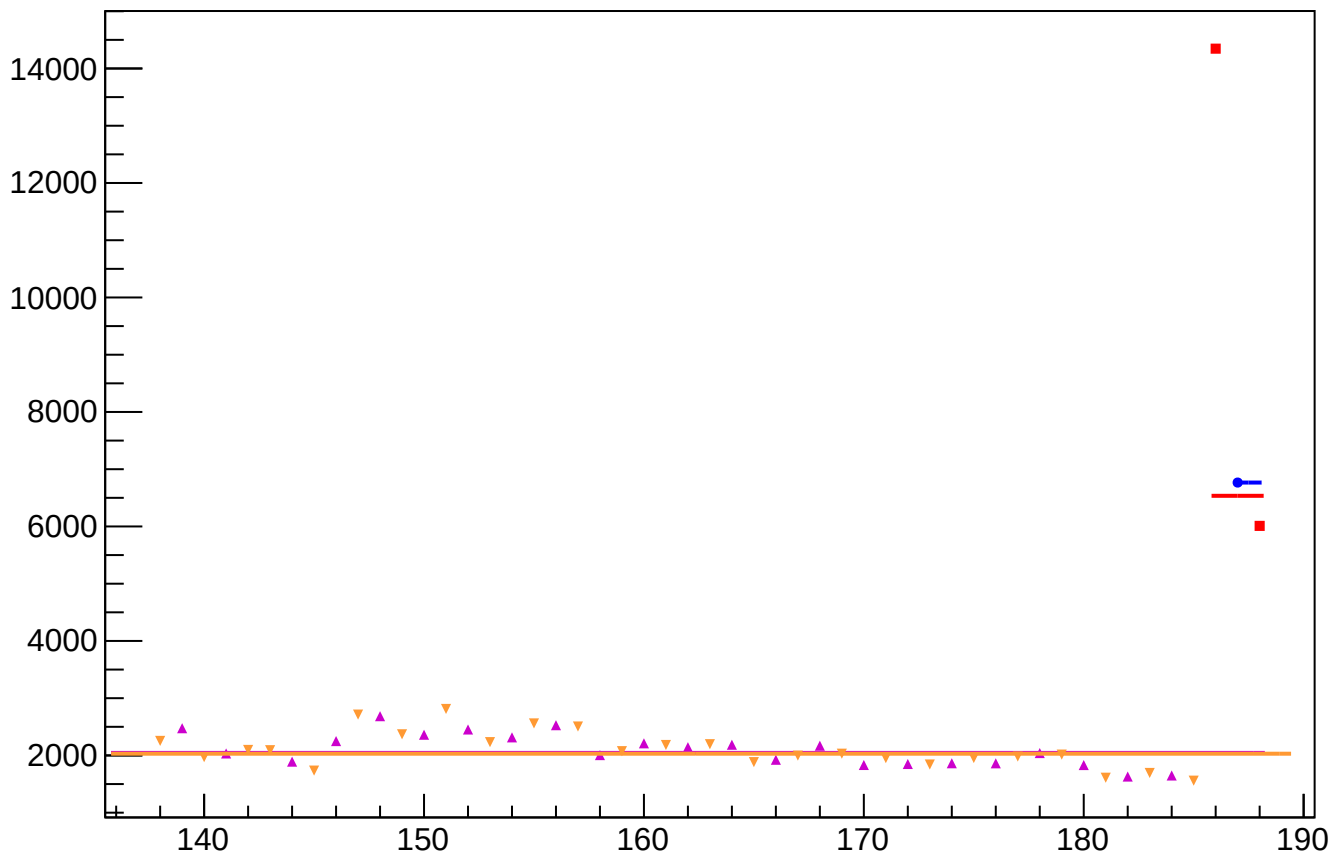
Right: 734.191+/-5821.085 χ^2/NDF : 2.4/2

In: -299.974+/-491.280 χ^2/NDF : 35.0/23

Out: -1133.394+/-478.508 χ^2/NDF : 43.8/26

All: -727.658+/-342.783 χ^2/NDF : 80.2/50

asym_sam2_correction_rms vs Slug, Sign Corrected



Right In: 6766.758+/-12.313 χ^2/NDF : 0.0/0

Left Out: 2030.179+/-0.339 χ^2/NDF : 702523.9/24

Right Out: 6535.314+/-4.367 χ^2/NDF : 215153.3/1

Left In: 2044.056+/-0.348 χ^2/NDF : 570535.5/22

Left: 2036.953+/-0.243 χ^2/NDF : 1273875.5/47

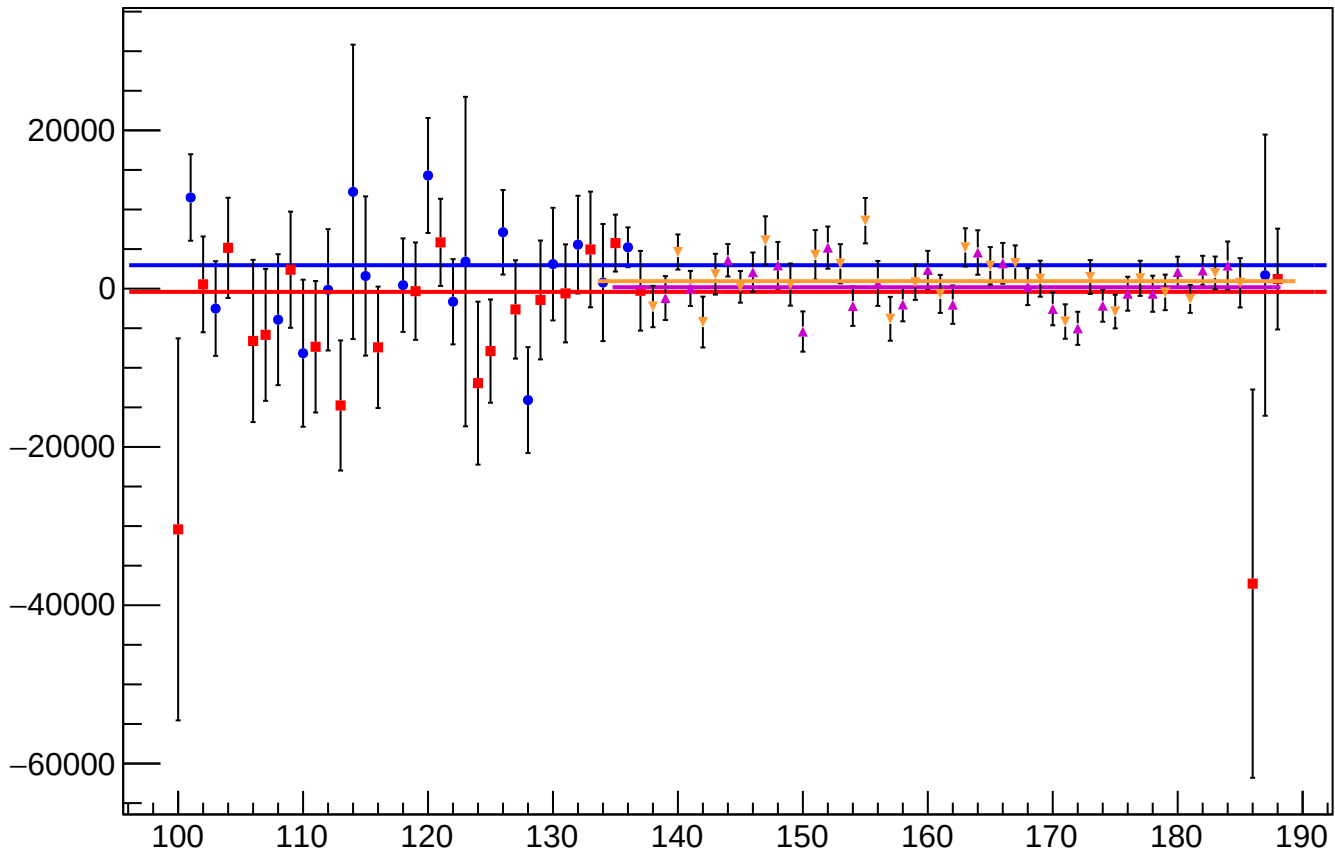
Right: 6561.179+/-4.116 χ^2/NDF : 215467.1/2

In: 2047.815+/-0.347 χ^2/NDF : 717538.3/23

Out: 2057.220+/-0.338 χ^2/NDF : 1975360.7/26

All: 2052.641+/-0.242 χ^2/NDF : 2693275.0/50

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2960.858 $\pm$ 1435.776 χ^2/NDF : 17.4/17

Left Out: 942.775 $\pm$ 474.439 χ^2/NDF : 38.3/24

Right Out: -407.259 $\pm$ 1463.977 χ^2/NDF : 17.7/20

Left In: 180.087 $\pm$ 486.112 χ^2/NDF : 32.9/22

Left: 570.698 $\pm$ 339.531 χ^2/NDF : 72.5/47

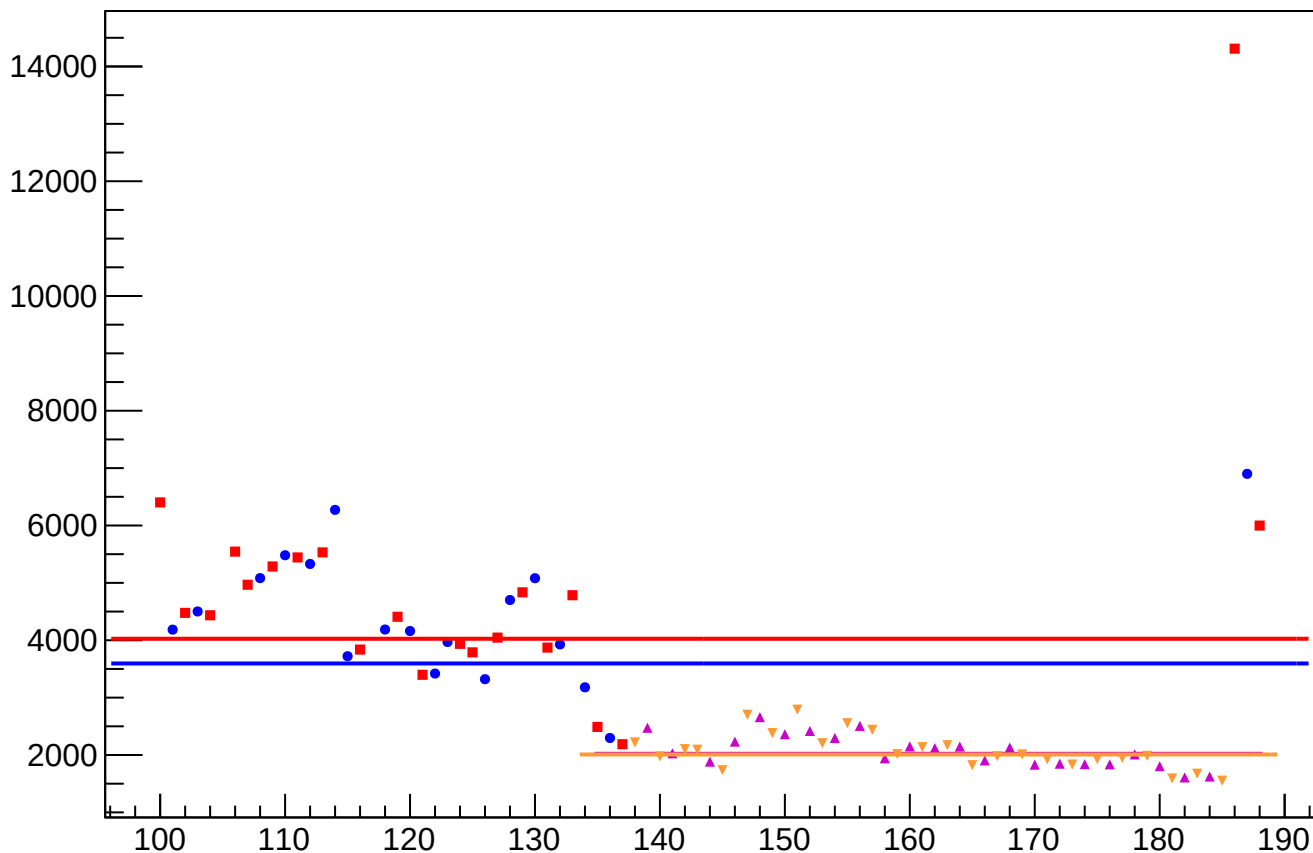
Right: 1309.553 $\pm$ 1025.072 χ^2/NDF : 37.8/38

In: 466.066 $\pm$ 460.437 χ^2/NDF : 53.7/40

Out: 814.464 $\pm$ 451.330 χ^2/NDF : 56.7/45

All: 643.744 $\pm$ 322.310 χ^2/NDF : 110.7/86

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3595.205 ± 1.015 $\chi^2/\text{NDF}: 1158425.5/17$

Left Out: 2008.897 ± 0.335 $\chi^2/\text{NDF}: 709254.4/24$

Right Out: 4026.107 ± 1.035 $\chi^2/\text{NDF}: 1551290.2/20$

Left In: 2020.887 ± 0.344 $\chi^2/\text{NDF}: 576363.5/22$

Left: 2014.747 ± 0.240 $\chi^2/\text{NDF}: 1286241.1/47$

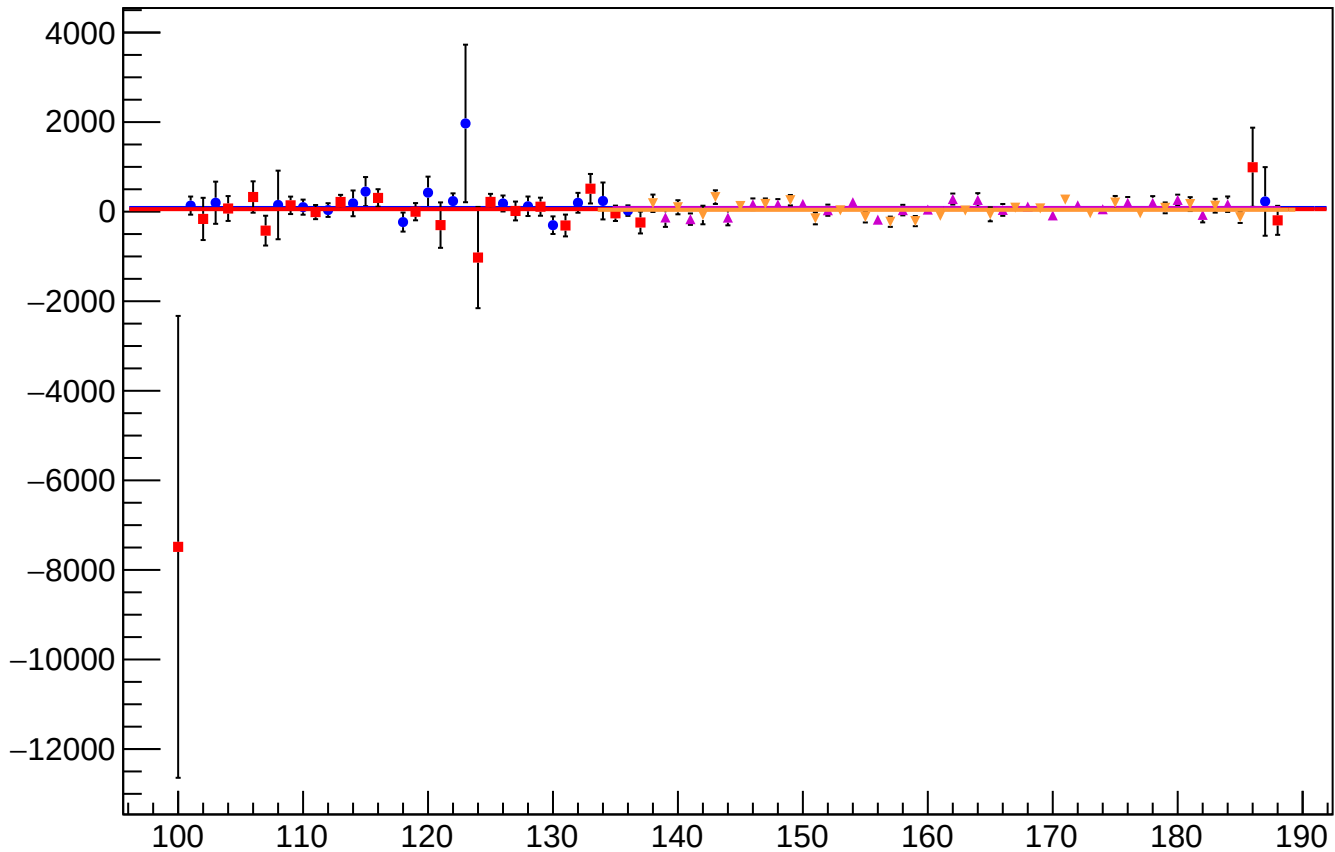
Right: 3806.466 ± 0.725 $\chi^2/\text{NDF}: 2798034.7/38$

In: 2182.792 ± 0.326 $\chi^2/\text{NDF}: 3892090.0/40$

Out: 2200.619 ± 0.319 $\chi^2/\text{NDF}: 5696848.5/45$

All: 2191.884 ± 0.228 $\chi^2/\text{NDF}: 9590467.3/86$

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 82.522 $\pm$ 51.788 χ^2 /NDF: 11.6/17

Left Out: 41.847 $\pm$ 23.035 χ^2 /NDF:39.1/24

Right Out: 55.666 $\pm$ 52.371 χ^2 /NDF: 18.2/20

Left In: 82.630 $\pm$ 24.154 χ^2 /NDF:28.6/22

Left: 61.273 $\pm$ 16.670 χ^2 /NDF: 69.2/47

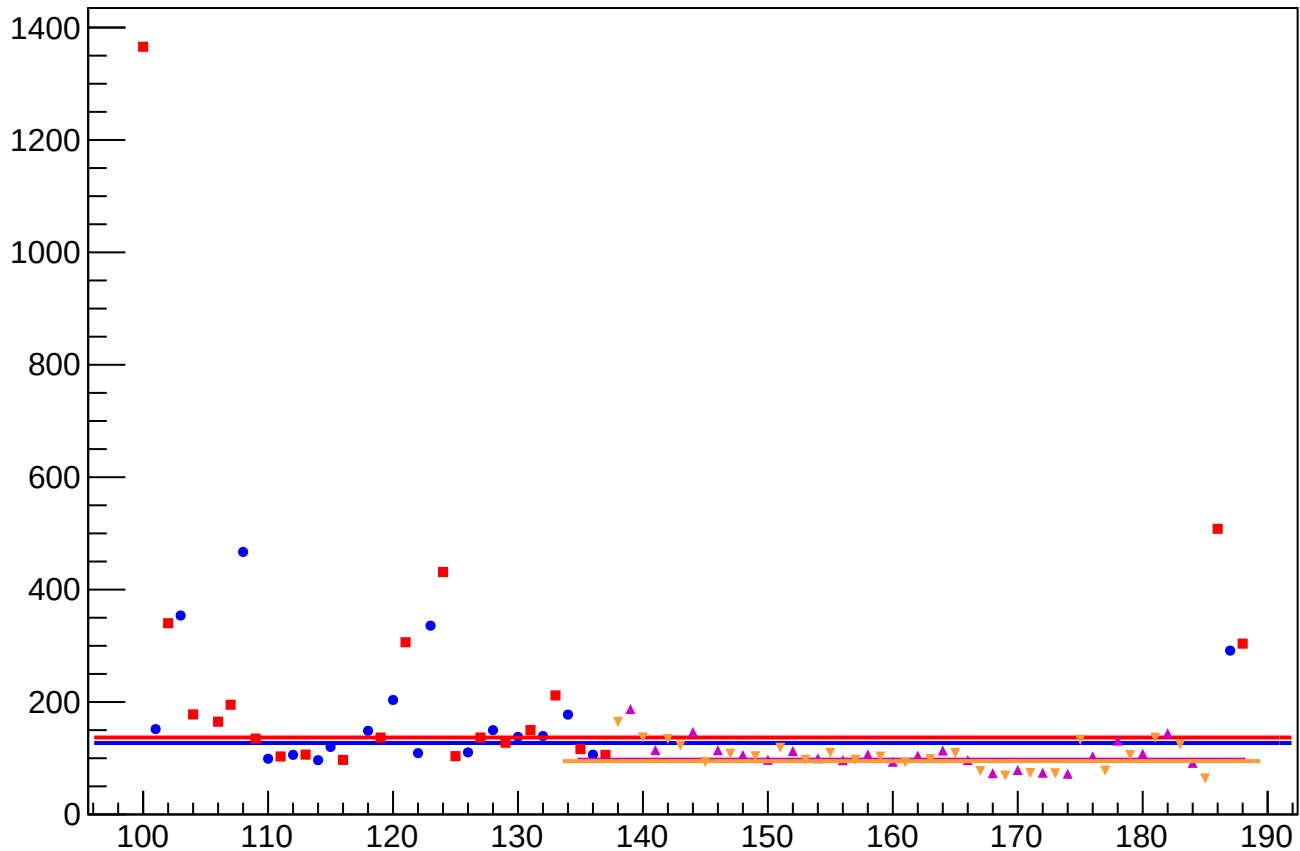
Right: 69.244 $\pm$ 36.824 χ^2 /NDF: 29.8/38

In: 82.610 $\pm$ 21.890 χ^2 /NDF:40.2/40

Out: 44.087 $\pm$ 21.086 χ^2 /NDF:57.3/45

All: 62.628 $\pm$ 15.186 χ^2 /NDF: 99.1/86

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 127.094 $\pm$ 0.037 χ^2/NDF : 1403117.9/17

Left Out: 94.886 $\pm$ 0.016 χ^2/NDF :1796861.0/24

Right Out: 136.852 $\pm$ 0.037 χ^2/NDF : 2338431.5/20

Left In: 97.499 $\pm$ 0.017 χ^2/NDF :1561333.1/22

Left: 96.131 $\pm$ 0.012 χ^2/NDF : 3370445.2/47

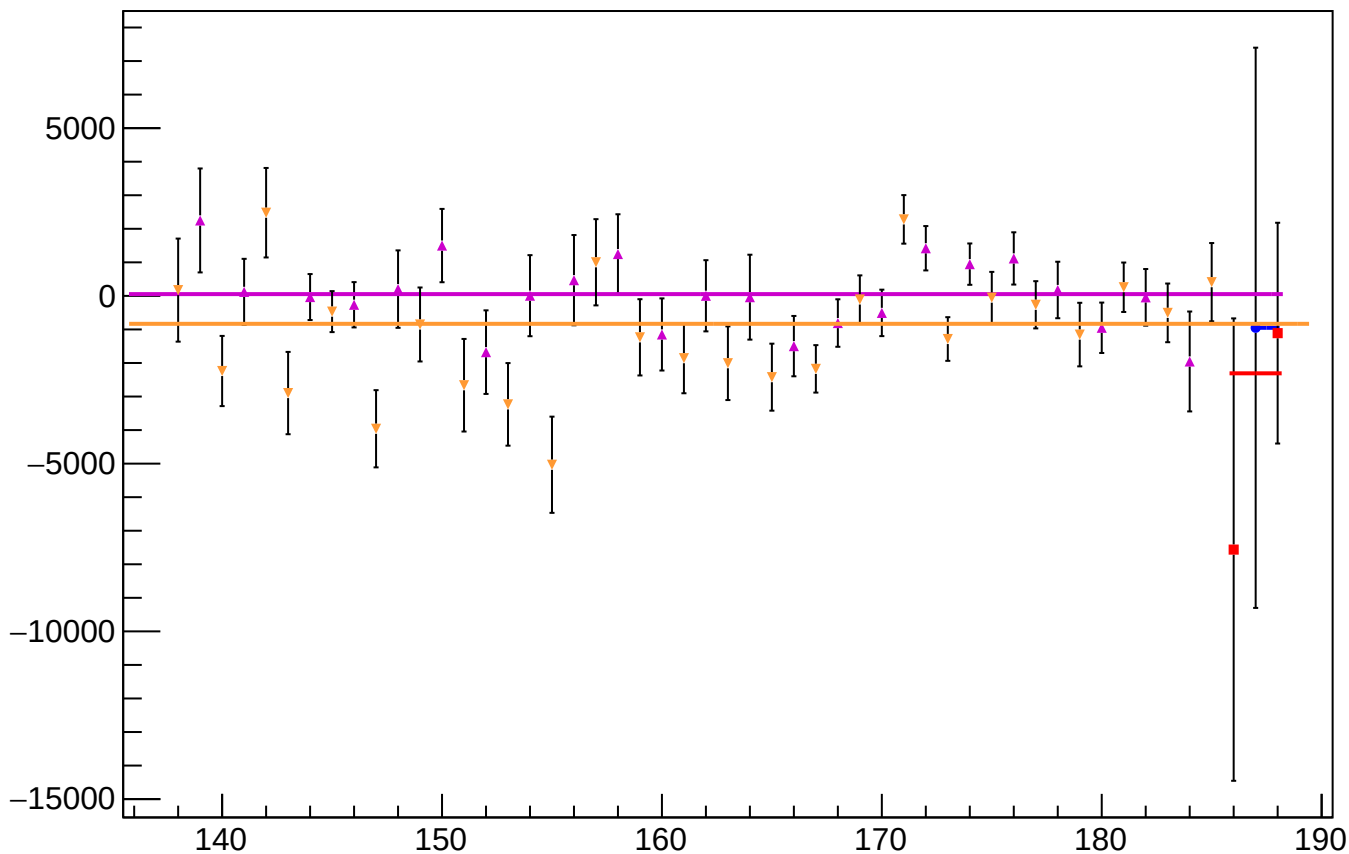
Right: 131.918 $\pm$ 0.026 χ^2/NDF : 3776654.6/38

In: 102.786 $\pm$ 0.015 χ^2/NDF :3500912.1/40

Out: 101.689 $\pm$ 0.015 χ^2/NDF :5211330.9/45

All: 102.217 $\pm$ 0.011 χ^2/NDF : 8714847.6/86

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: -950.967 $\pm$ 8349.789 χ^2 /NDF: 0.0/0

Left Out: -832.580 $\pm$ 183.960 χ^2 /NDF:68.8/24

Right Out: -2308.116 $\pm$ 2969.151 χ^2 /NDF: 0.7/1

Left In: 53.006 $\pm$ 184.870 χ^2 /NDF:25.3/22

Left: -391.972 $\pm$ 130.400 χ^2 /NDF: 105.7/47

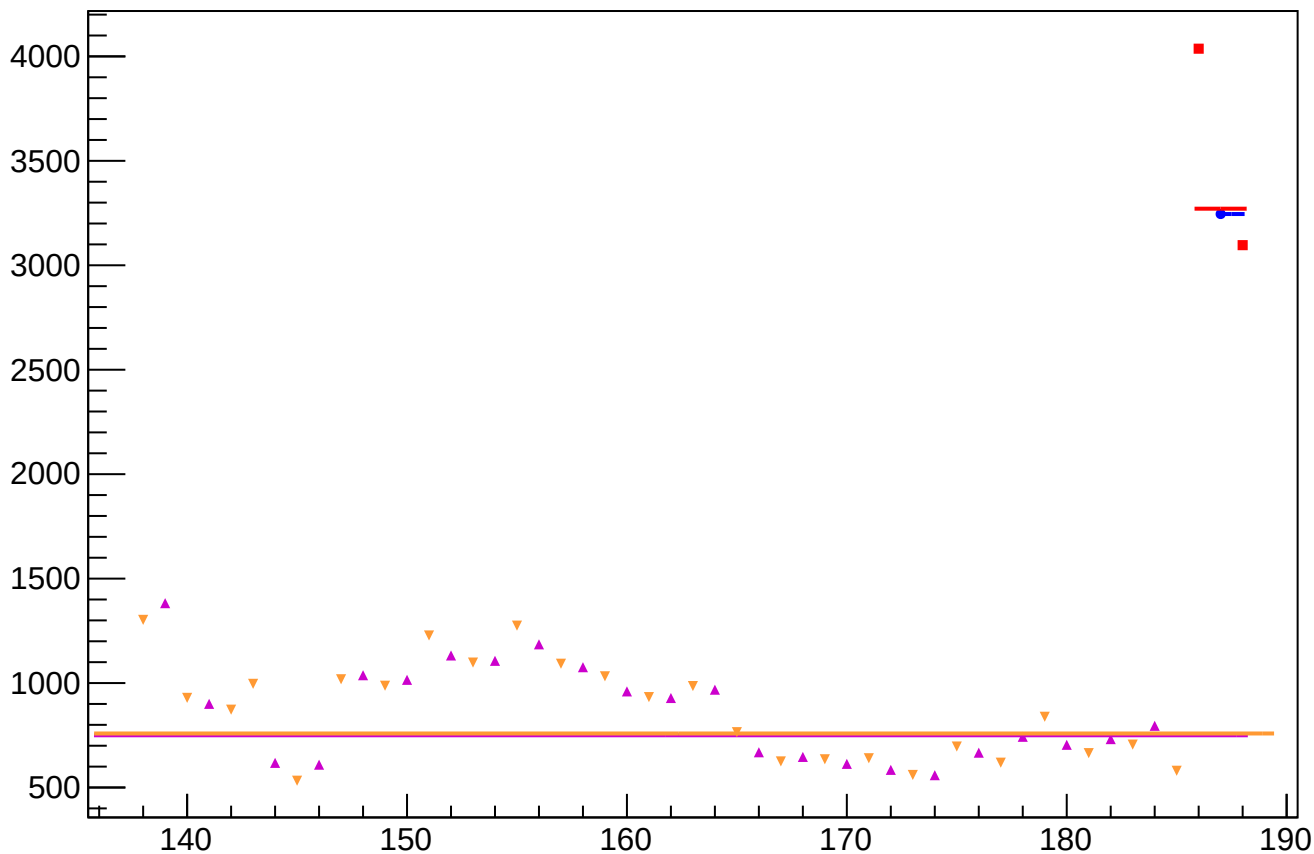
Right: -2155.770 $\pm$ 2797.542 χ^2 /NDF: 0.7/2

In: 52.514 $\pm$ 184.825 χ^2 /NDF:25.3/23

Out: -838.222 $\pm$ 183.608 χ^2 /NDF:69.8/26

All: -395.796 $\pm$ 130.259 χ^2 /NDF: 106.8/50

asym_sam3_correction_rms vs Slug, Sign Corrected



Right In: 3245.385+/-5.904 χ^2/NDF : 0.0/0

Left Out: 758.608+/-0.130 χ^2/NDF :2453711.9/24

Right Out: 3270.937+/-2.100 χ^2/NDF : 30337.0/1

Left In: 749.995+/-0.131 χ^2/NDF :2186634.5/22

Left: 754.323+/-0.092 χ^2/NDF : 4642527.3/47

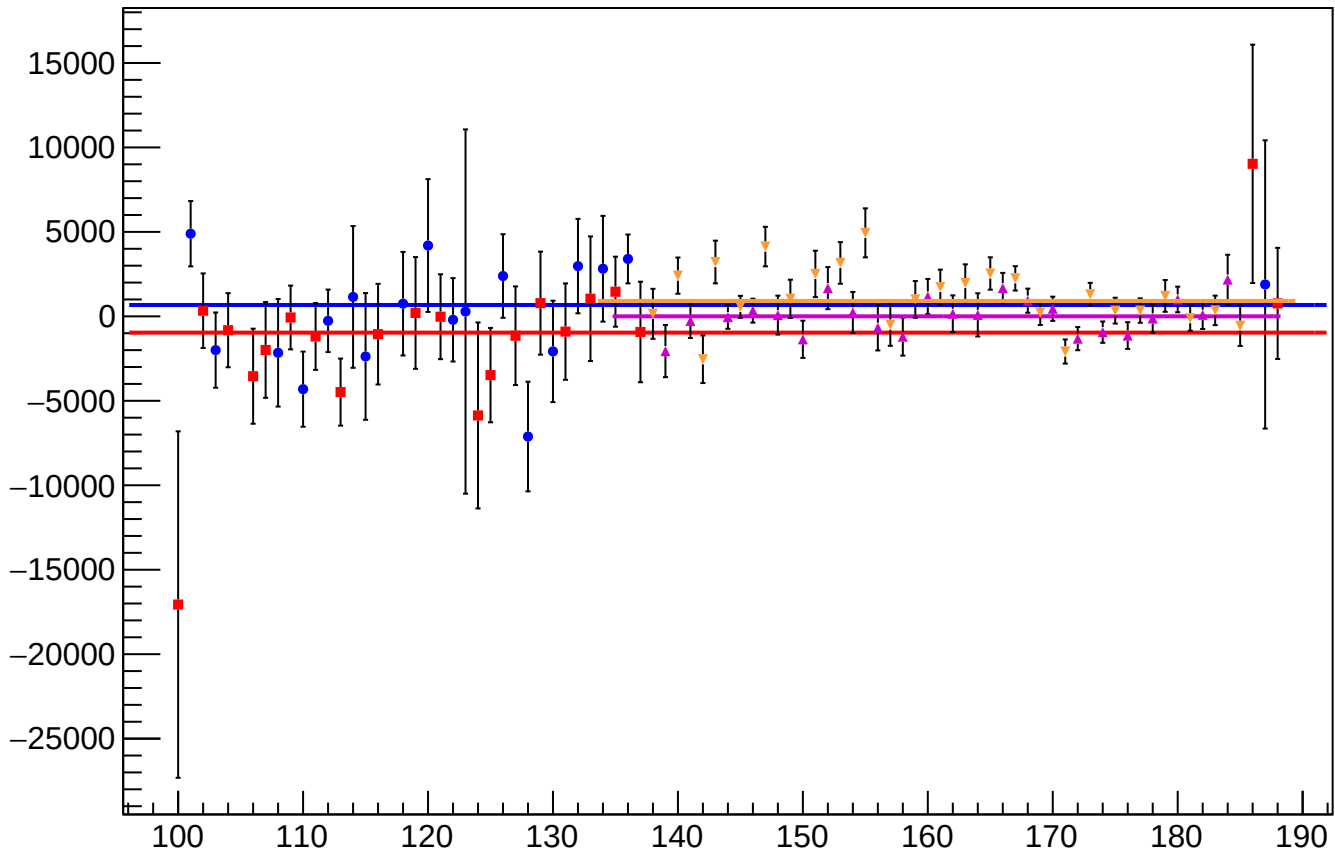
Right: 3268.068+/-1.978 χ^2/NDF : 30353.6/2

In: 751.218+/-0.131 χ^2/NDF :2365177.5/23

Out: 768.215+/-0.130 χ^2/NDF :3910492.2/26

All: 759.773+/-0.092 χ^2/NDF : 6284182.5/50

asym_sam3_mean vs Slug, Sign Corrected



Right In: 672.847 $\pm$ 617.219 χ^2 /NDF: 25.7/17

Left Out: 911.919 $\pm$ 186.104 χ^2 /NDF:64.9/24

Right Out: -963.317 $\pm$ 590.691 χ^2 /NDF: 13.3/20

Left In: 2.470 $\pm$ 187.271 χ^2 /NDF:25.6/22

Left: 460.036 $\pm$ 132.006 χ^2 /NDF: 102.4/47

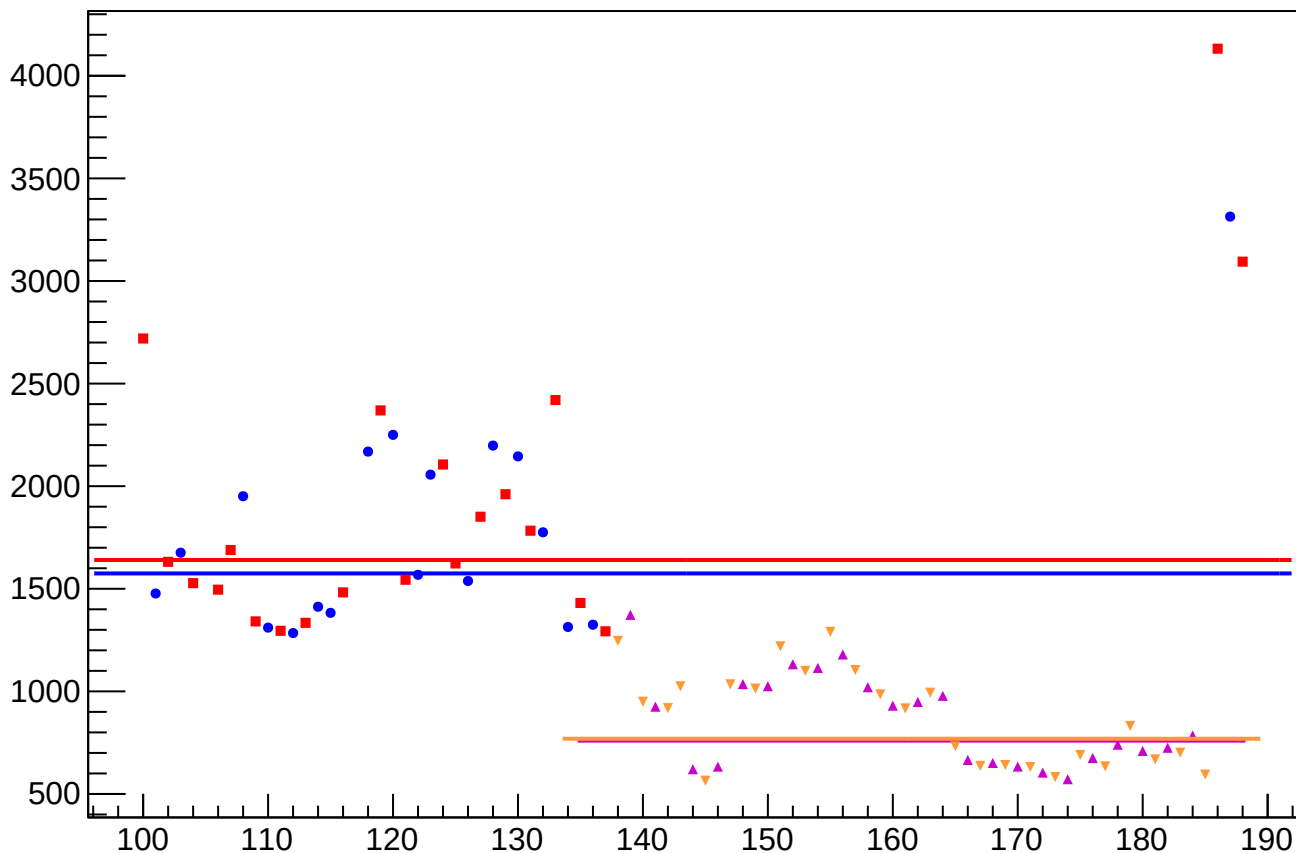
Right: -181.150 $\pm$ 426.752 χ^2 /NDF: 42.7/38

In: 58.981 $\pm$ 179.204 χ^2 /NDF:52.4/40

Out: 742.584 $\pm$ 177.503 χ^2 /NDF:87.4/45

All: 404.043 $\pm$ 126.111 χ^2 /NDF: 147.1/86

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1574.767 $\pm$ 0.436 χ^2 /NDF: 574275.3/17

Left Out: 769.207 $\pm$ 0.132 χ^2 /NDF: 2275390.6/24

Right Out: 1640.351 $\pm$ 0.418 χ^2 /NDF: 1127009.6/20

Left In: 759.935 $\pm$ 0.132 χ^2 /NDF: 2014703.5/22

Left: 764.600 $\pm$ 0.093 χ^2 /NDF: 4292560.8/47

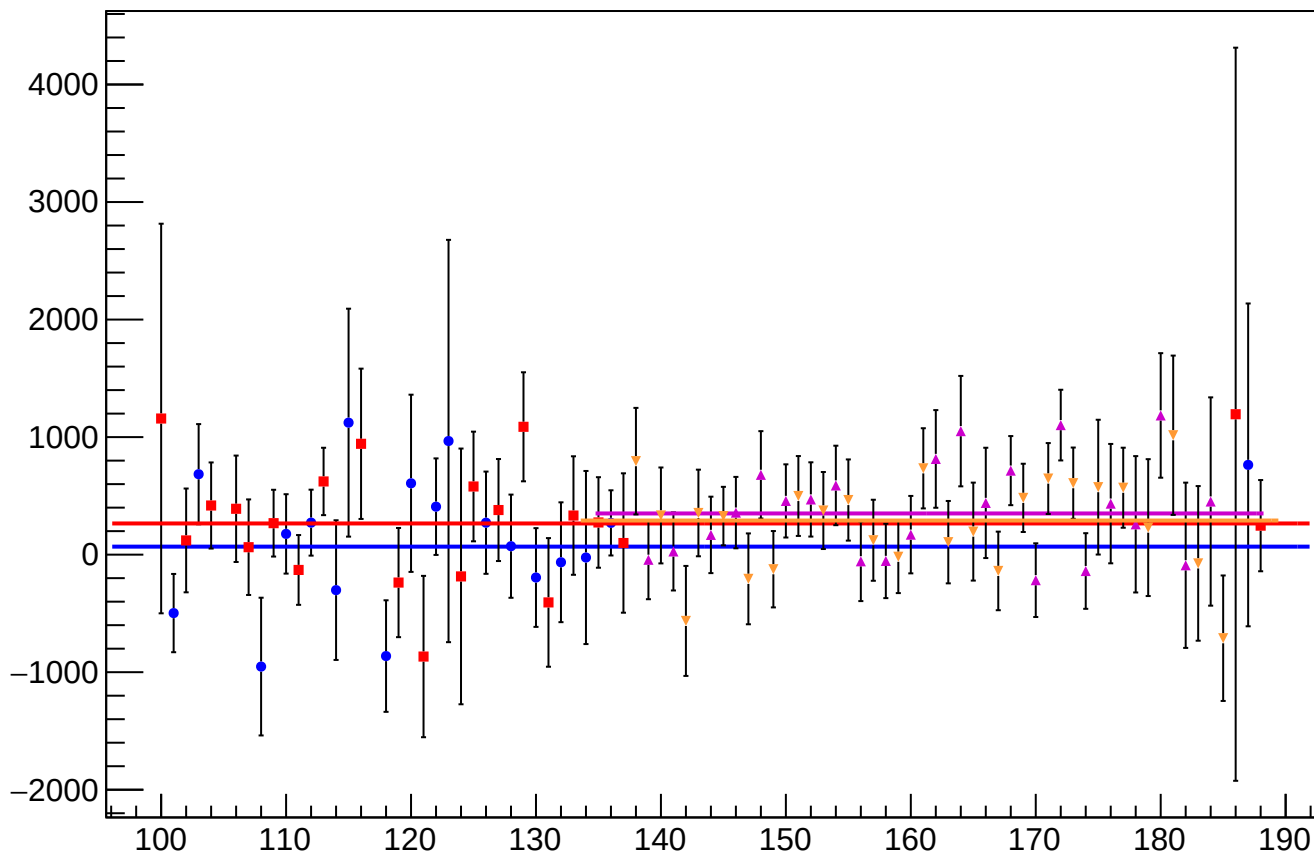
Right: 1608.999 $\pm$ 0.302 χ^2 /NDF: 1713071.1/38

In: 828.624 $\pm$ 0.127 χ^2 /NDF: 5780831.1/40

Out: 847.872 $\pm$ 0.126 χ^2 /NDF: 7359592.6/45

All: 838.340 $\pm$ 0.089 χ^2 /NDF: 13152070.5/86

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 68.179 $\pm$ 105.028 χ^2/NDF : 17.0/17

Left Out: 290.293 $\pm$ 72.910 χ^2/NDF : 22.3/24

Right Out: 265.378 $\pm$ 96.227 χ^2/NDF : 14.8/20

Left In: 350.522 $\pm$ 75.911 χ^2/NDF : 27.4/22

Left: 319.194 $\pm$ 52.584 χ^2/NDF : 50.1/47

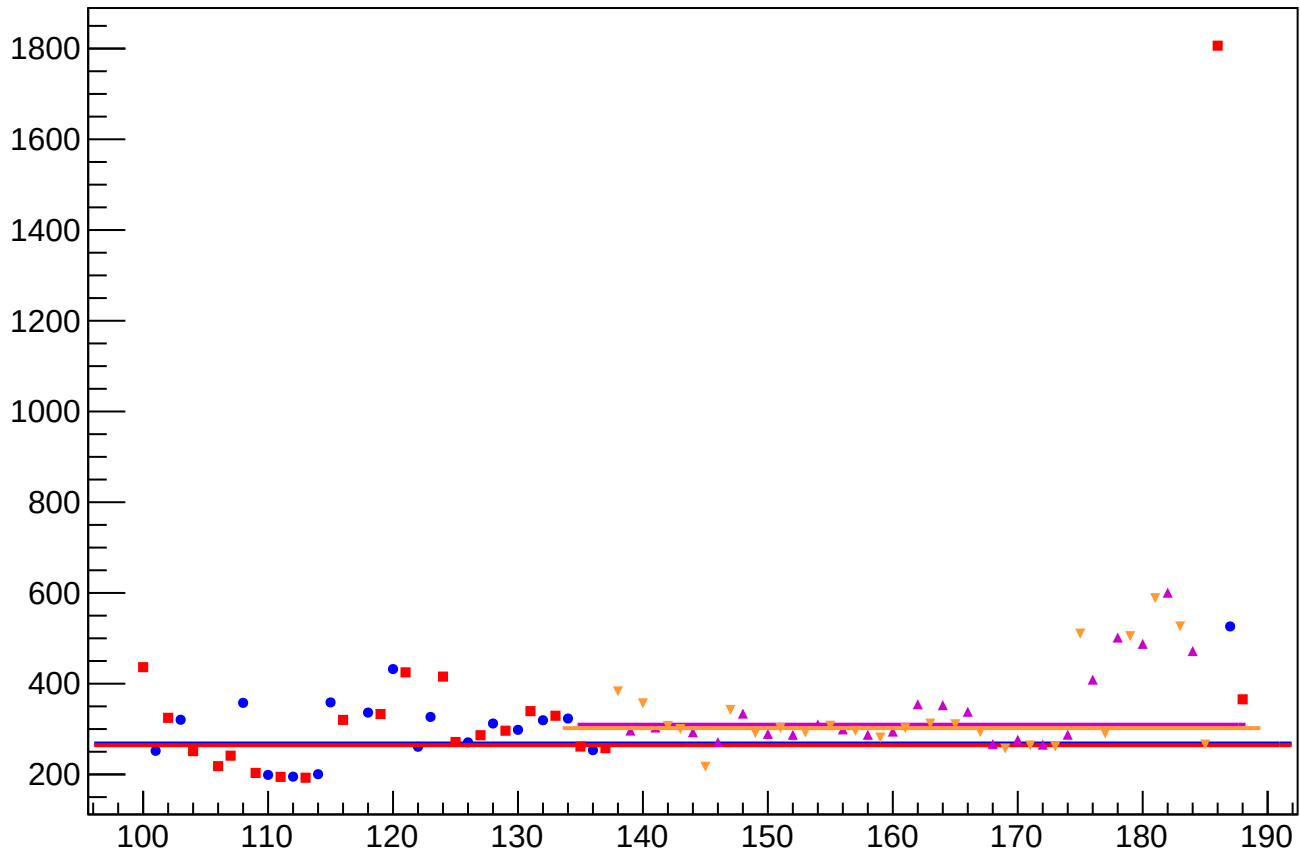
Right: 175.386 $\pm$ 70.950 χ^2/NDF : 33.7/38

In: 253.639 $\pm$ 61.523 χ^2/NDF : 49.1/40

Out: 281.206 $\pm$ 58.113 χ^2/NDF : 37.2/45

All: 268.208 $\pm$ 42.246 χ^2/NDF : 86.4/86

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 268.143+/-0.074 χ^2/NDF : 621796.5/17

Left Out: 302.040+/-0.052 χ^2/NDF :1597233.8/24

Right Out: 264.462+/-0.068 χ^2/NDF : 1335022.9/20

Left In: 309.609+/-0.054 χ^2/NDF :1180280.8/22

Left: 305.672+/-0.037 χ^2/NDF : 2787857.1/47

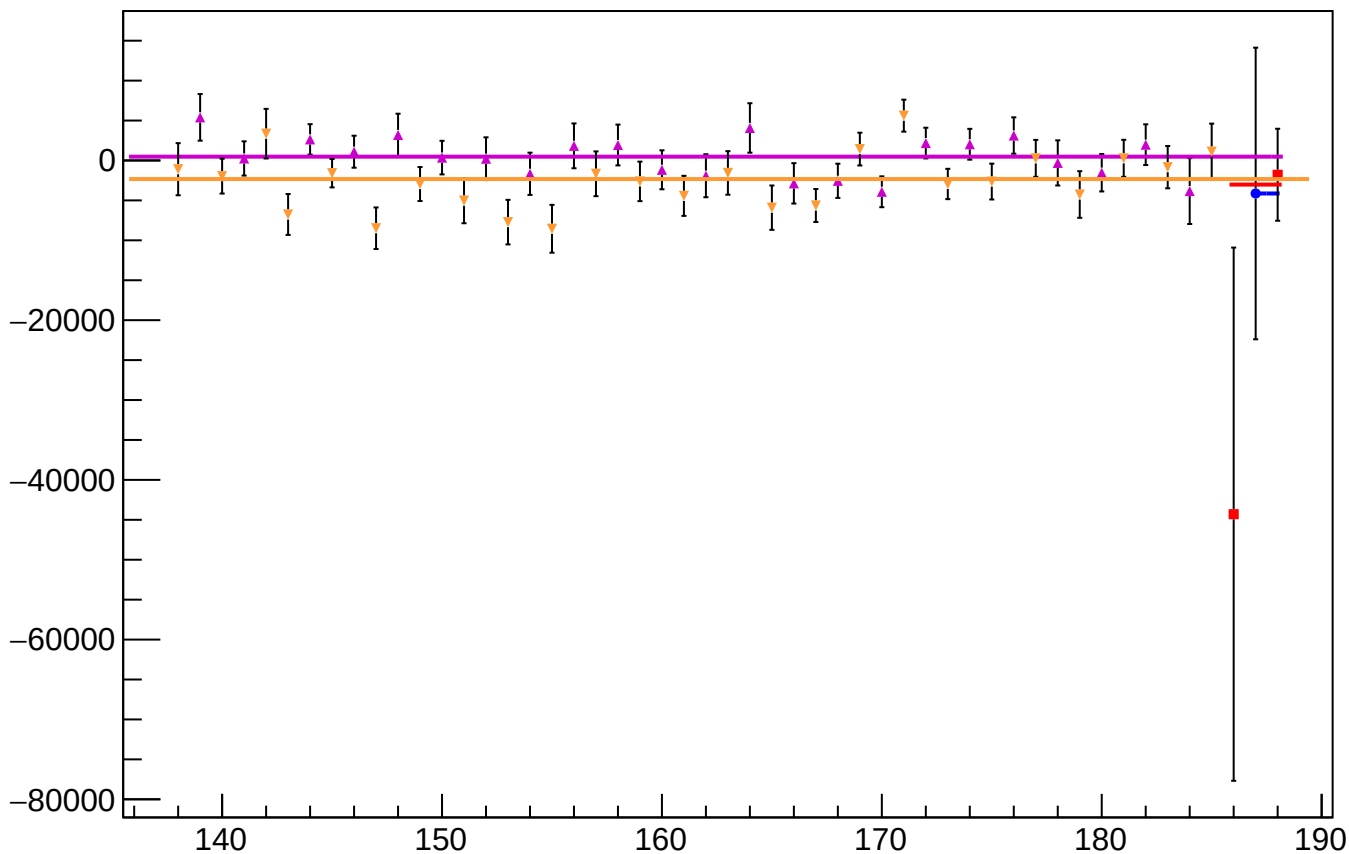
Right: 266.142+/-0.050 χ^2/NDF : 1958154.9/38

In: 295.380+/-0.044 χ^2/NDF :2006858.7/40

Out: 288.335+/-0.041 χ^2/NDF :3126026.7/45

All: 291.657+/-0.030 χ^2/NDF : 5146746.5/86

asym_sam4_correction_mean vs Slug, Sign Corrected



Right In: -4133.956 ± 18260.346 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -2325.488 ± 486.043 $\chi^2/\text{NDF}: 49.8/24$

Right Out: -3018.161 ± 5677.745 $\chi^2/\text{NDF}: 1.6/1$

Left In: 477.779 ± 494.228 $\chi^2/\text{NDF}: 23.1/22$

Left: -947.260 ± 346.542 $\chi^2/\text{NDF}: 89.2/47$

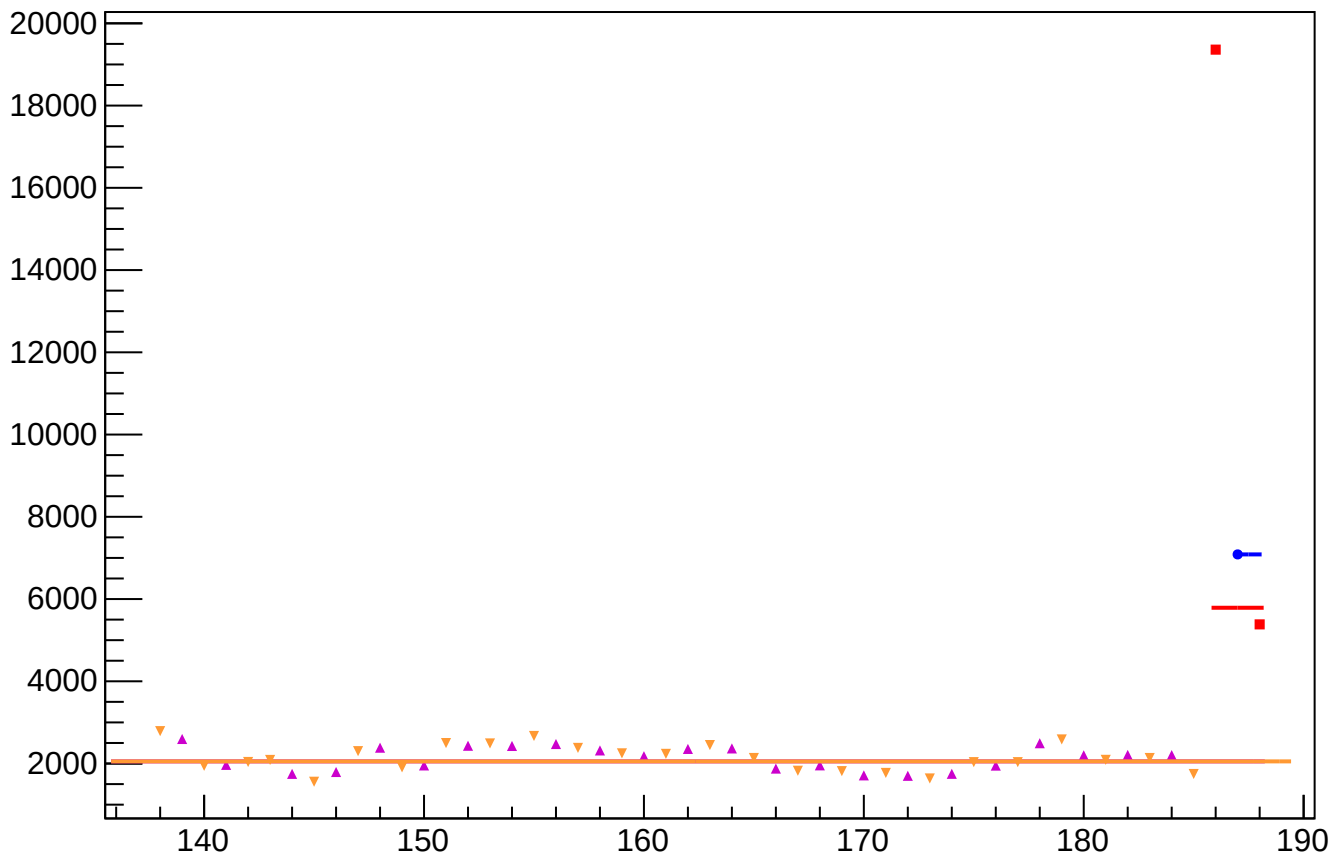
Right: -3116.525 ± 5421.707 $\chi^2/\text{NDF}: 1.6/2$

In: 474.403 ± 494.047 $\chi^2/\text{NDF}: 23.1/23$

Out: -2330.527 ± 484.272 $\chi^2/\text{NDF}: 51.4/26$

All: -956.086 ± 345.836 $\chi^2/\text{NDF}: 91.0/50$

asym_sam4_correction_rms vs Slug, Sign Corrected



Right In: 7085.560+/-12.912 χ^2/NDF : 0.0/0

Left Out: 2052.401+/-0.344 χ^2/NDF :838023.2/24

Right Out: 5788.281+/-4.015 χ^2/NDF : 340320.3/1

Left In: 2052.384+/-0.349 χ^2/NDF :653872.2/22

Left: 2052.392+/-0.245 χ^2/NDF : 1491895.3/47

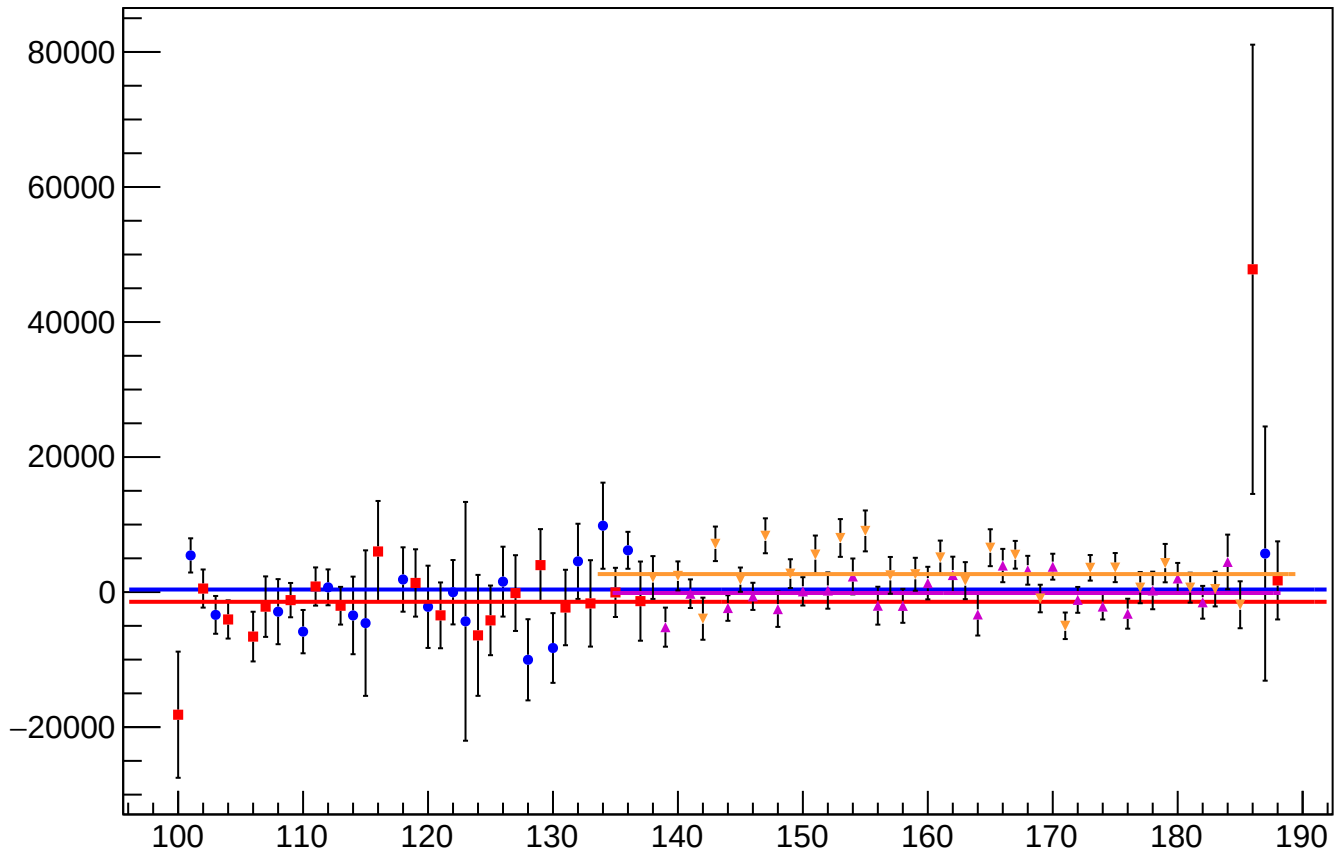
Right: 5902.645+/-3.834 χ^2/NDF : 349524.7/2

In: 2056.068+/-0.349 χ^2/NDF :805709.4/23

Out: 2079.579+/-0.342 χ^2/NDF :2037937.1/26

All: 2068.058+/-0.245 χ^2/NDF : 2845956.3/50

asym_sam4_mean vs Slug, Sign Corrected



Right In: 381.247 ± 991.104 χ^2/NDF : 24.3/17

Left Out: 2667.050 ± 480.963 χ^2/NDF : 50.0/24

Right Out: -1438.491 ± 912.090 χ^2/NDF : 13.0/20

Left In: -132.307 ± 489.752 χ^2/NDF : 24.7/22

Left: 1292.715 ± 343.157 χ^2/NDF : 91.3/47

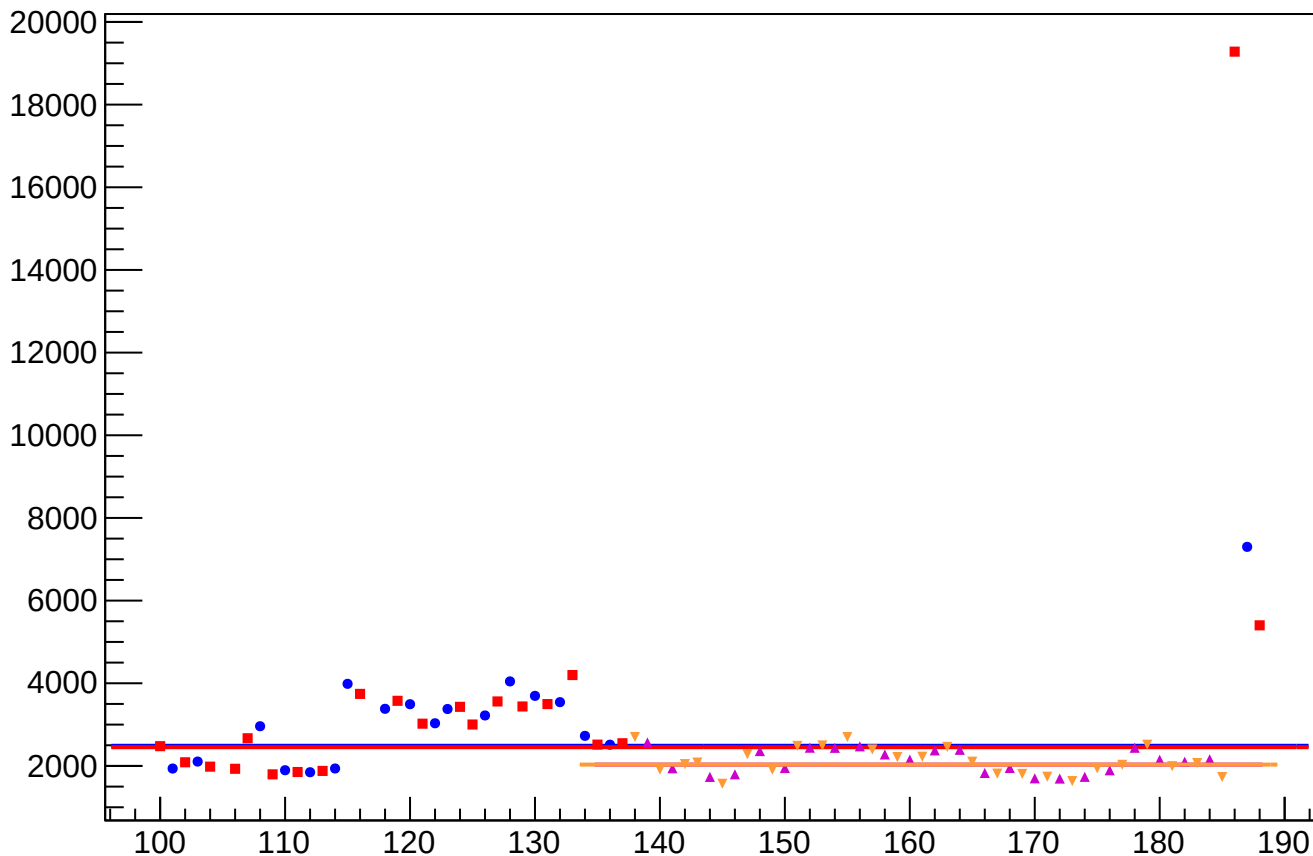
Right: -604.041 ± 671.143 χ^2/NDF : 39.1/38

In: -31.518 ± 439.070 χ^2/NDF : 49.2/40

Out: 1773.817 ± 425.437 χ^2/NDF : 78.9/45

All: 899.614 ± 305.535 χ^2/NDF : 136.8/86

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2487.762 $\pm$ 0.701 χ^2 /NDF: 1037305.0/17

Left Out: 2032.502 $\pm$ 0.340 χ^2 /NDF: 824418.6/24

Right Out: 2452.747 $\pm$ 0.645 χ^2 /NDF: 2073201.0/20

Left In: 2031.692 $\pm$ 0.346 χ^2 /NDF: 653382.0/22

Left: 2032.104 $\pm$ 0.243 χ^2 /NDF: 1477803.4/47

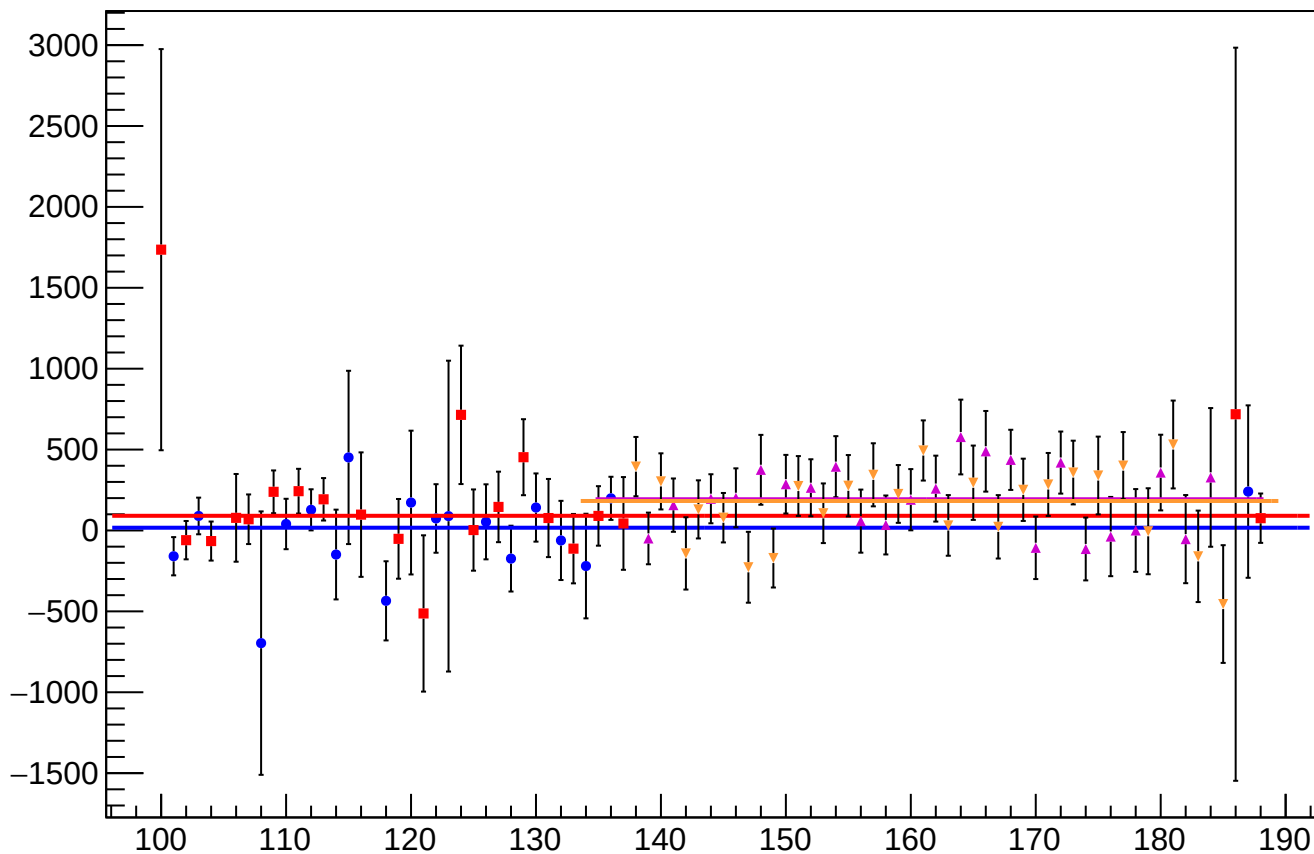
Right: 2468.803 $\pm$ 0.475 χ^2 /NDF: 3111857.6/38

In: 2121.200 $\pm$ 0.310 χ^2 /NDF: 2031071.3/40

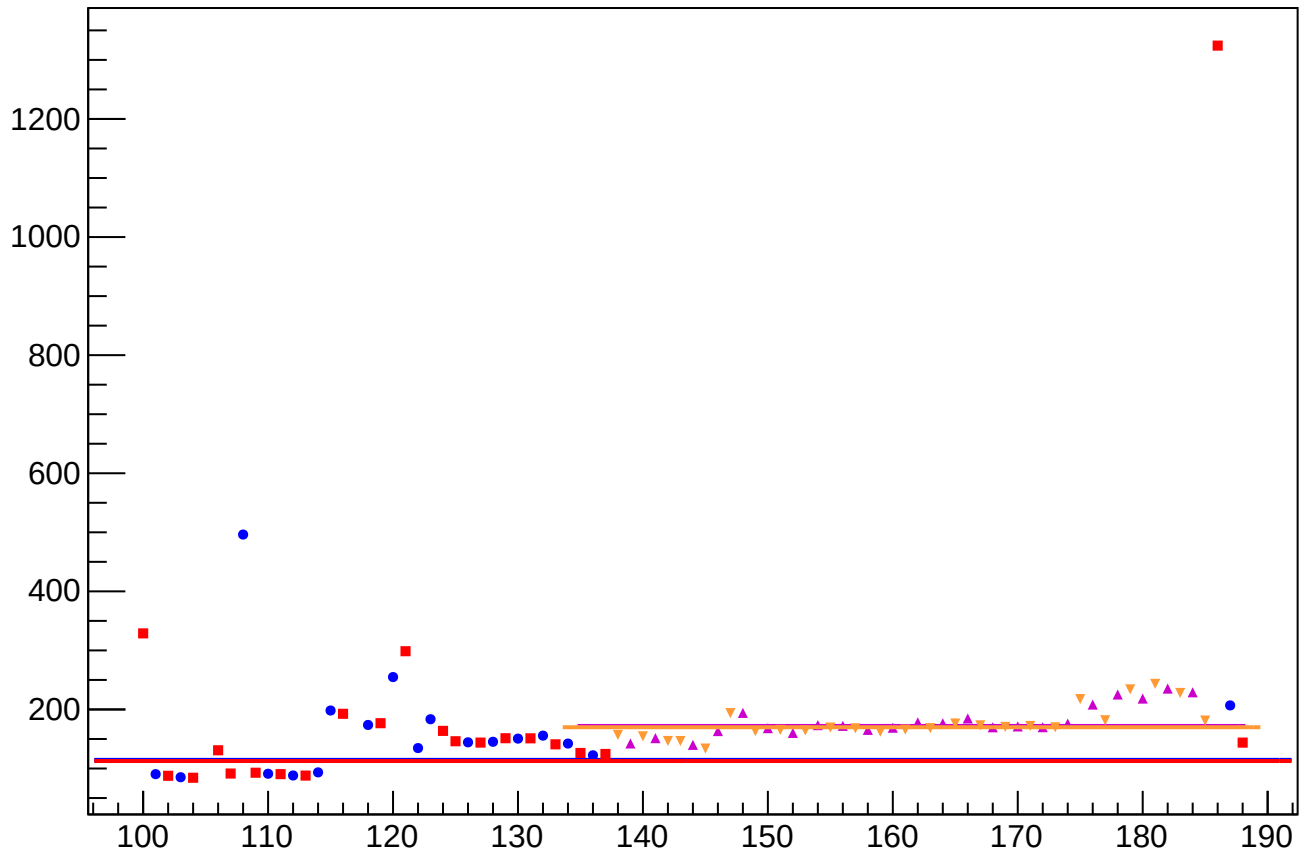
Out: 2123.934 $\pm$ 0.301 χ^2 /NDF: 3229824.1/45

All: 2122.610 $\pm$ 0.216 χ^2 /NDF: 5260935.4/86

dit_asym_sam5_mean vs Slug, Sign Corrected



dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 114.632 $\pm$ 0.033 χ^2 /NDF: 1468238.4/17

Left Out: 169.906 $\pm$ 0.028 χ^2 /NDF: 663159.2/24

Right Out: 112.668 $\pm$ 0.029 χ^2 /NDF: 1906846.9/20

Left In: 172.065 $\pm$ 0.029 χ^2 /NDF: 589733.9/22

Left: 170.952 $\pm$ 0.020 χ^2 /NDF: 1255701.2/47

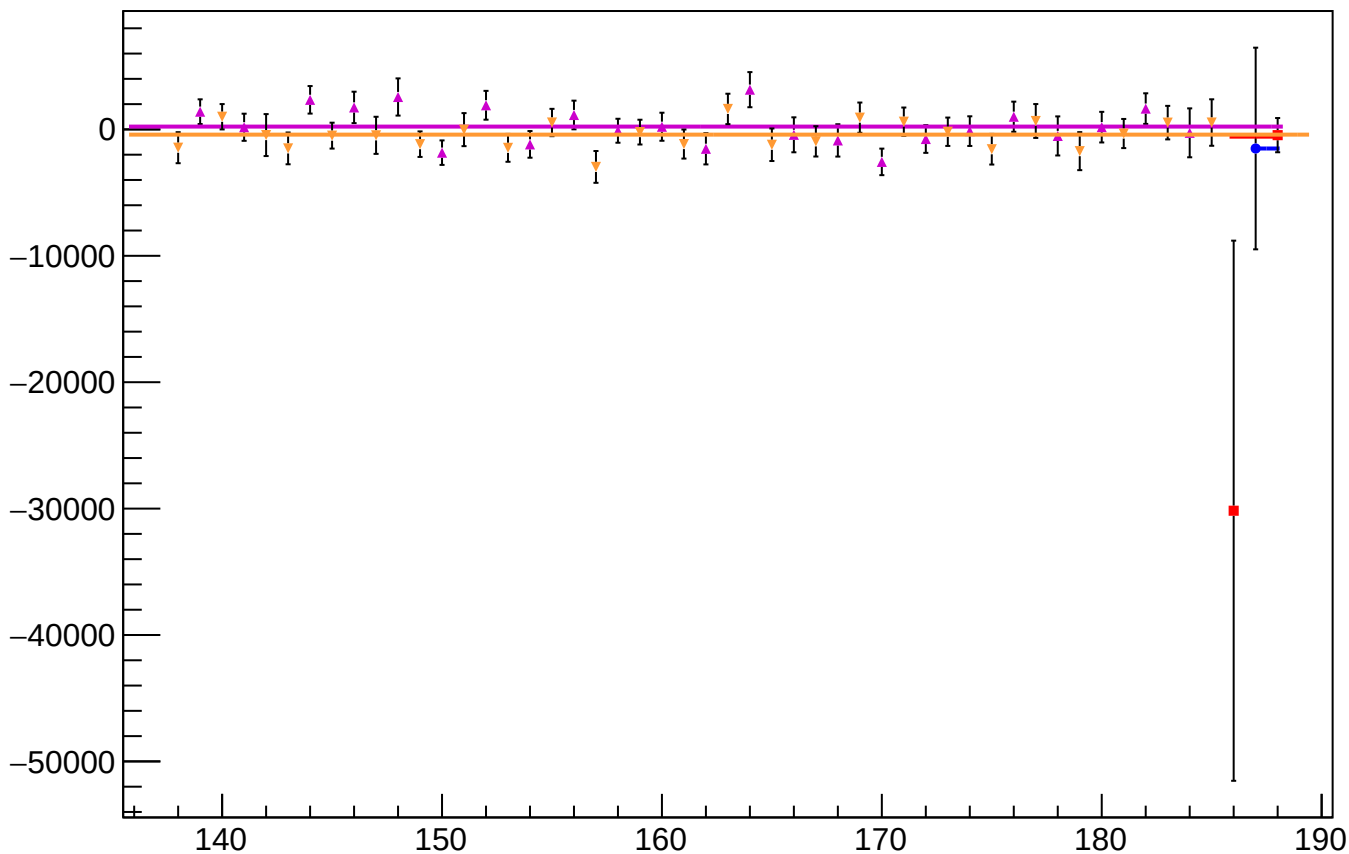
Right: 113.548 $\pm$ 0.022 χ^2 /NDF: 3377076.1/38

In: 146.539 $\pm$ 0.022 χ^2 /NDF: 3769979.5/40

Out: 142.380 $\pm$ 0.020 χ^2 /NDF: 4529428.1/45

All: 144.324 $\pm$ 0.015 χ^2 /NDF: 8318774.9/86

asym_sam5_correction_mean vs Slug, Sign Corrected



Right In: -1510.577 ± 7977.369 χ^2/NDF : 0.0/0

Left Out: -412.804 ± 240.278 χ^2/NDF : 19.0/24

Right Out: -572.857 ± 1351.375 χ^2/NDF : 1.9/1

Left In: 223.332 ± 243.771 χ^2/NDF : 36.0/22

Left: -99.327 ± 171.124 χ^2/NDF : 58.5/47

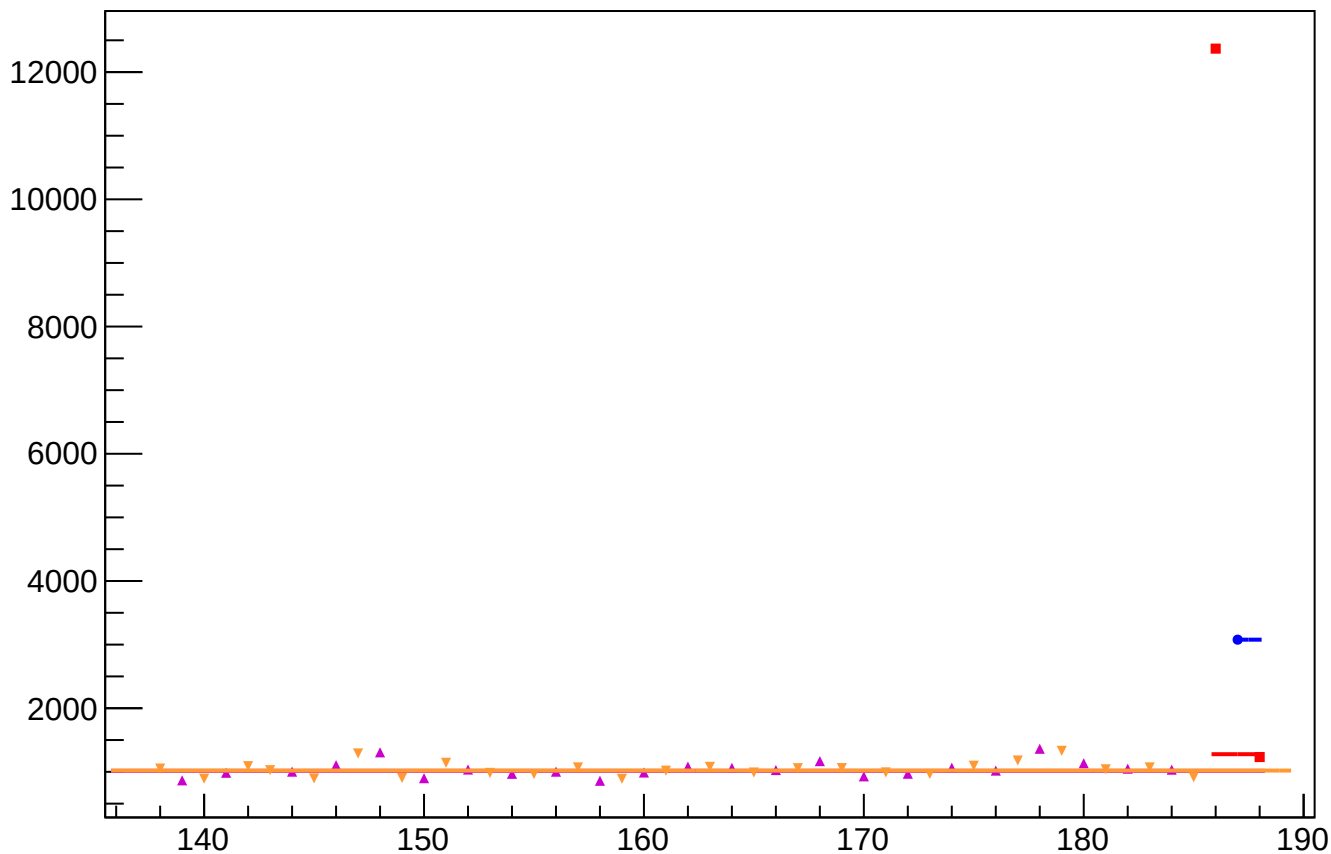
Right: -599.016 ± 1332.393 χ^2/NDF : 1.9/2

In: 221.715 ± 243.658 χ^2/NDF : 36.1/23

Out: -417.709 ± 236.568 χ^2/NDF : 21.0/26

All: -107.435 ± 169.730 χ^2/NDF : 60.6/50

asym_sam5_correction_rms vs Slug, Sign Corrected



Right In: 3077.567+/-5.641 χ^2 /NDF: 0.0/0

Left Out: 1020.149+/-0.170 χ^2 /NDF:369866.7/24

Right Out: 1277.211+/-0.956 χ^2 /NDF: 541115.1/1

Left In: 1015.000+/-0.172 χ^2 /NDF:404865.5/22

Left: 1017.611+/-0.121 χ^2 /NDF: 775184.8/47

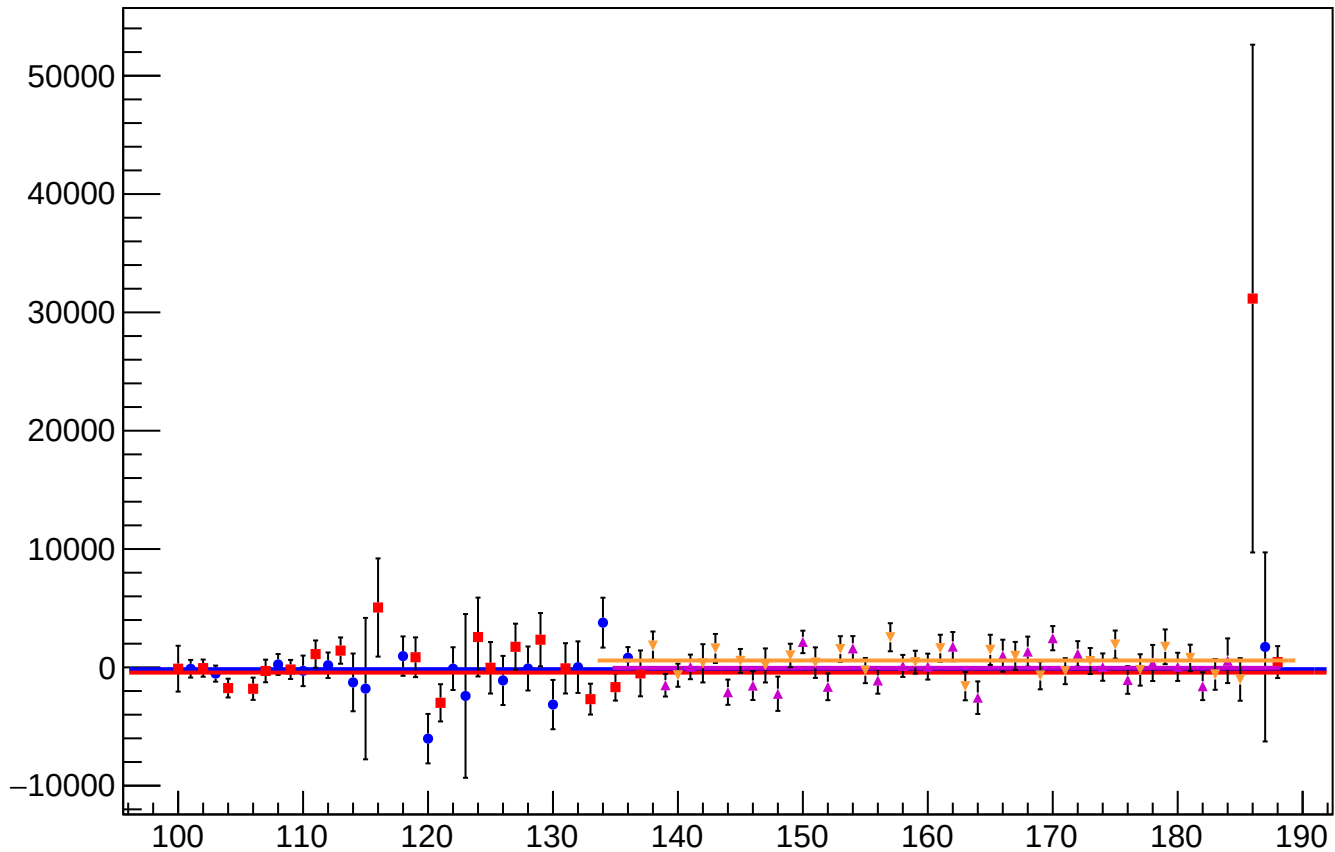
Right: 1327.434+/-0.942 χ^2 /NDF: 640139.1/2

In: 1016.924+/-0.172 χ^2 /NDF:538439.4/23

Out: 1028.026+/-0.167 χ^2 /NDF:981133.4/26

All: 1022.639+/-0.120 χ^2 /NDF: 1521710.4/50

asym_sam5_mean vs Slug, Sign Corrected



Right In: -154.301+/-312.261 χ^2/NDF : 16.3/17

Left Out: 580.226+/-235.583 χ^2/NDF : 18.4/24

Right Out: -443.914+/-276.715 χ^2/NDF : 25.3/20

Left In: -42.397+/-239.278 χ^2/NDF : 37.9/22

Left: 273.759+/-167.873 χ^2/NDF : 59.7/47

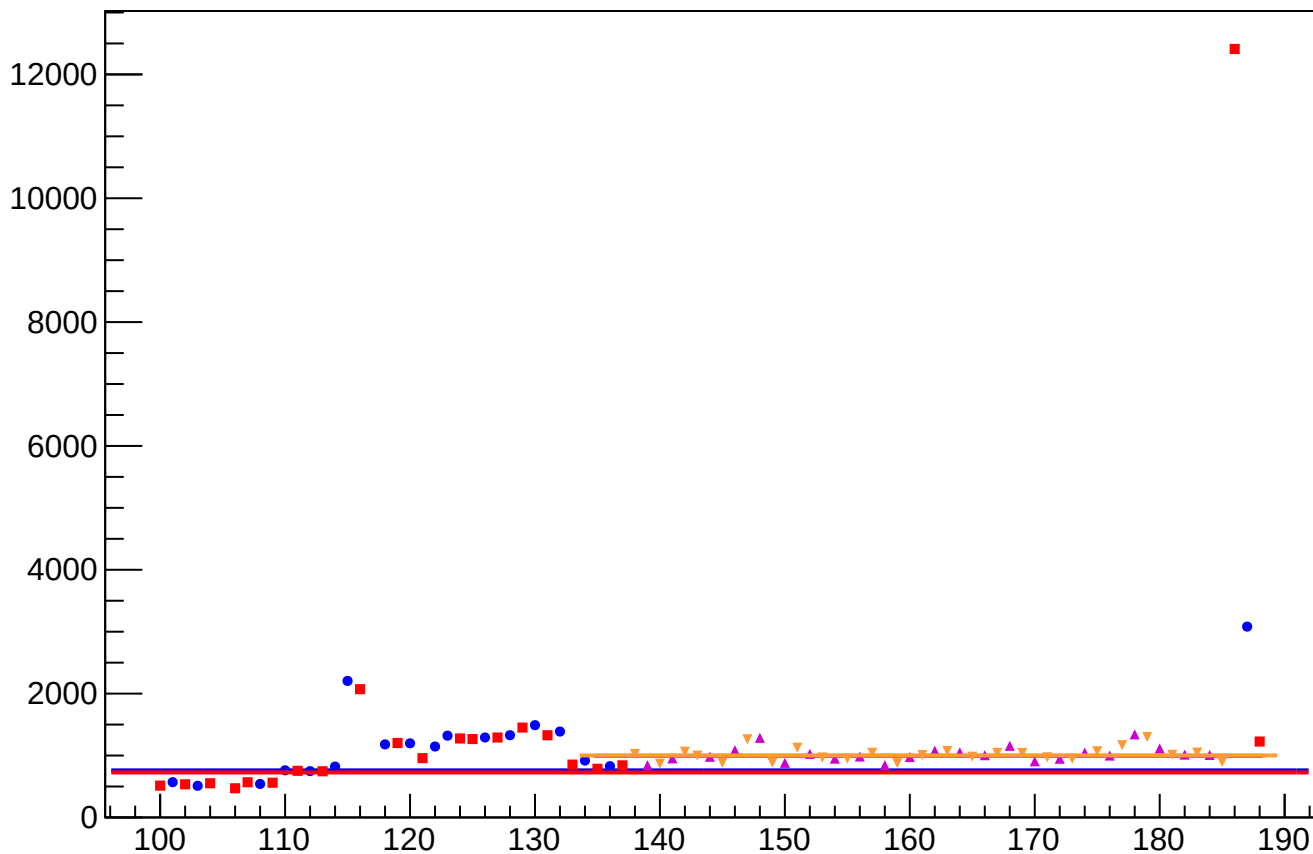
Right: -316.523+/-207.099 χ^2/NDF : 42.1/38

In: -83.796+/-189.928 χ^2/NDF : 54.3/40

Out: 149.856+/-179.380 χ^2/NDF : 51.6/45

All: 39.698+/-130.410 χ^2/NDF : 106.7/86

asym_sam5_rms vs Slug, Sign Corrected



Right In: 760.536 $\pm$ 0.221 χ^2 /NDF: 1880392.8/17

Left Out: 1001.233 $\pm$ 0.167 χ^2 /NDF: 370278.3/24

Right Out: 726.648 $\pm$ 0.196 χ^2 /NDF: 2571352.2/20

Left In: 995.590 $\pm$ 0.169 χ^2 /NDF: 424434.6/22

Left: 998.455 $\pm$ 0.119 χ^2 /NDF: 795277.7/47

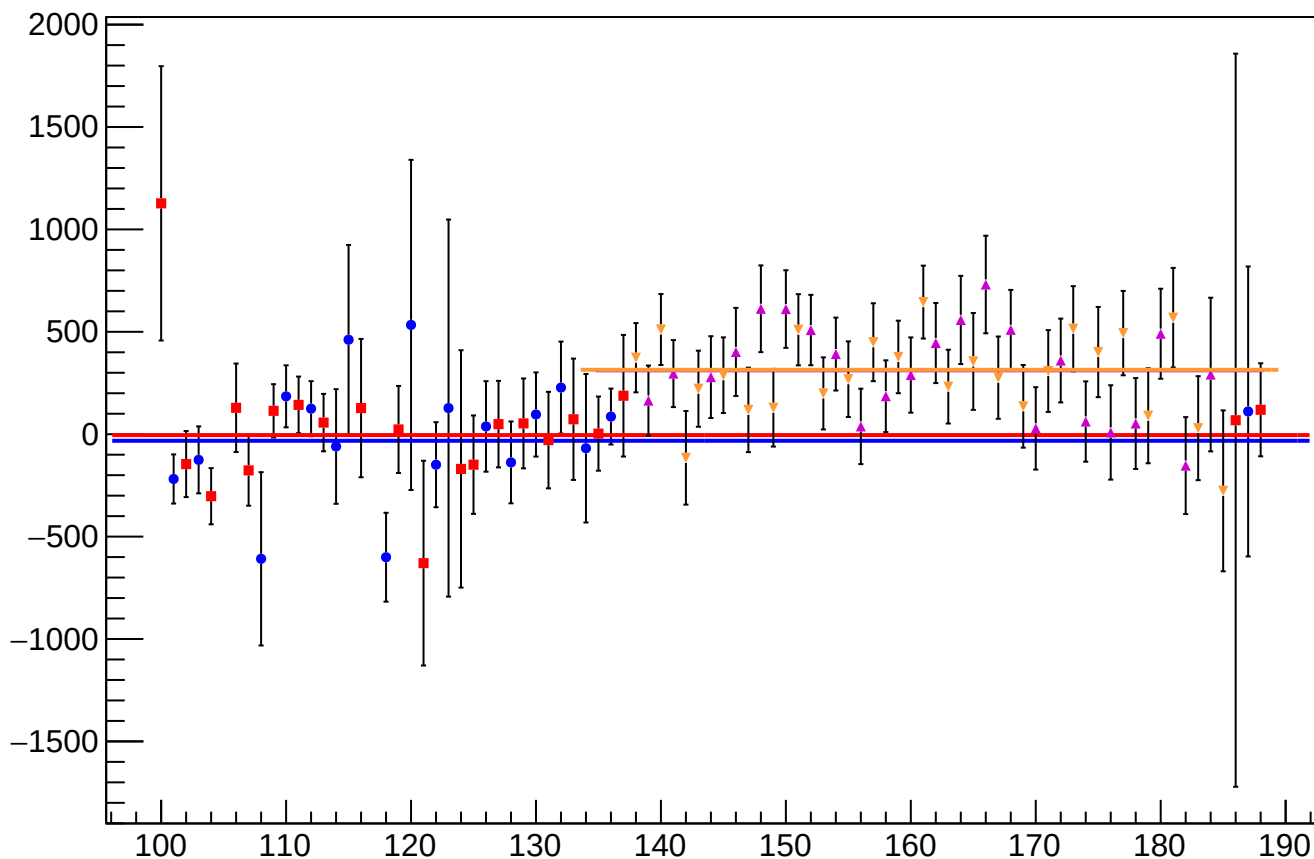
Right: 741.554 $\pm$ 0.146 χ^2 /NDF: 4464939.2/38

In: 908.631 $\pm$ 0.134 χ^2 /NDF: 3018835.4/40

Out: 885.845 $\pm$ 0.127 χ^2 /NDF: 4083397.0/45

All: 896.588 $\pm$ 0.092 χ^2 /NDF: 7117447.4/86

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -32.024 ± 48.318 χ^2/NDF : 19.8/17

Left Out: 314.517 ± 39.818 χ^2/NDF : 21.4/24

Right Out: -4.251 ± 44.693 χ^2/NDF : 15.0/20

Left In: 312.097 ± 41.646 χ^2/NDF : 26.9/22

Left: 313.361 ± 28.780 χ^2/NDF : 48.3/47

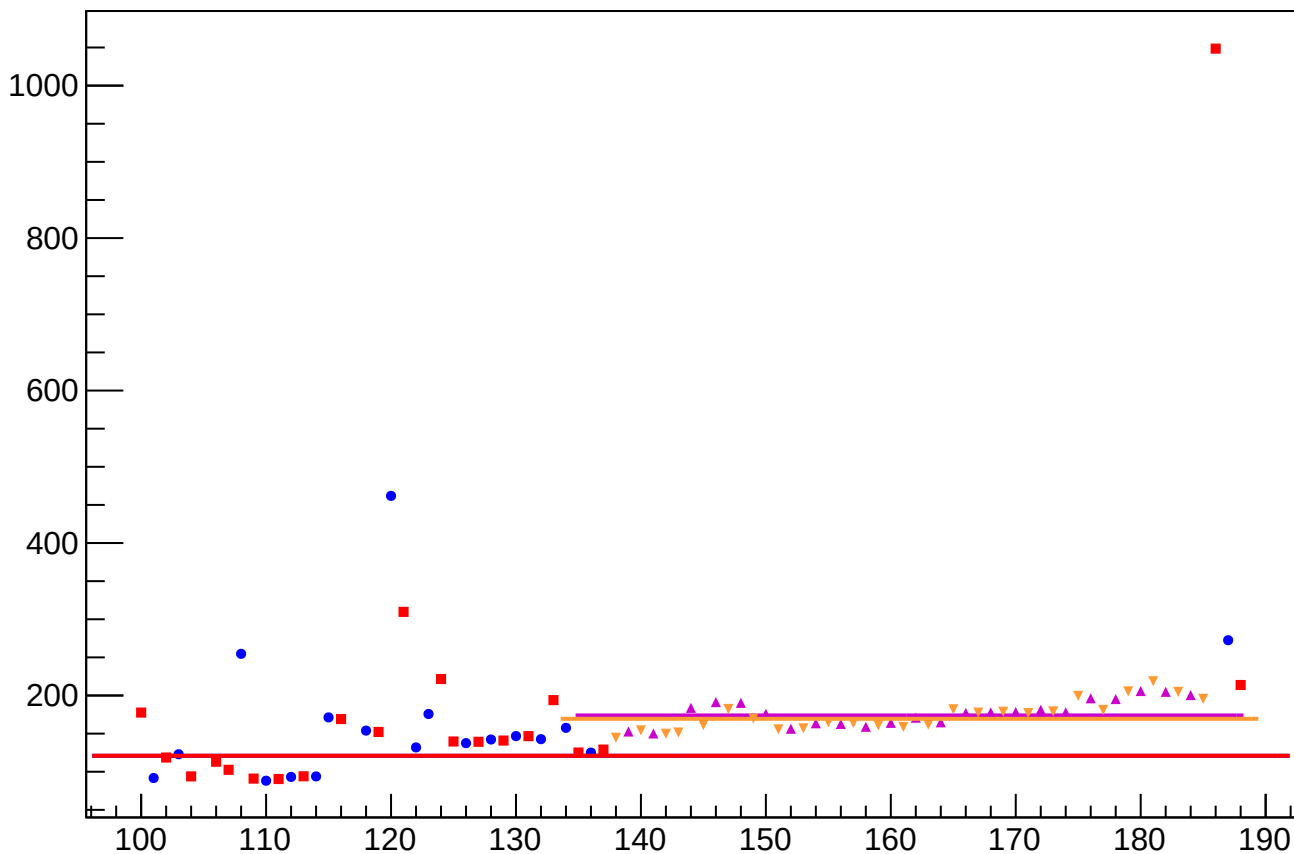
Right: -17.057 ± 32.810 χ^2/NDF : 35.0/38

In: 165.421 ± 31.545 χ^2/NDF : 75.8/40

Out: 173.462 ± 29.730 χ^2/NDF : 64.7/45

All: 169.680 ± 21.636 χ^2/NDF : 140.6/86

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.916 ± 0.034 $\chi^2/\text{NDF}: 1154486.5/17$

Left Out: 169.432 ± 0.028 $\chi^2/\text{NDF}: 386461.5/24$

Right Out: 120.962 ± 0.032 $\chi^2/\text{NDF}: 1887206.9/20$

Left In: 173.847 ± 0.029 $\chi^2/\text{NDF}: 291729.8/22$

Left: 171.540 ± 0.020 $\chi^2/\text{NDF}: 689934.9/47$

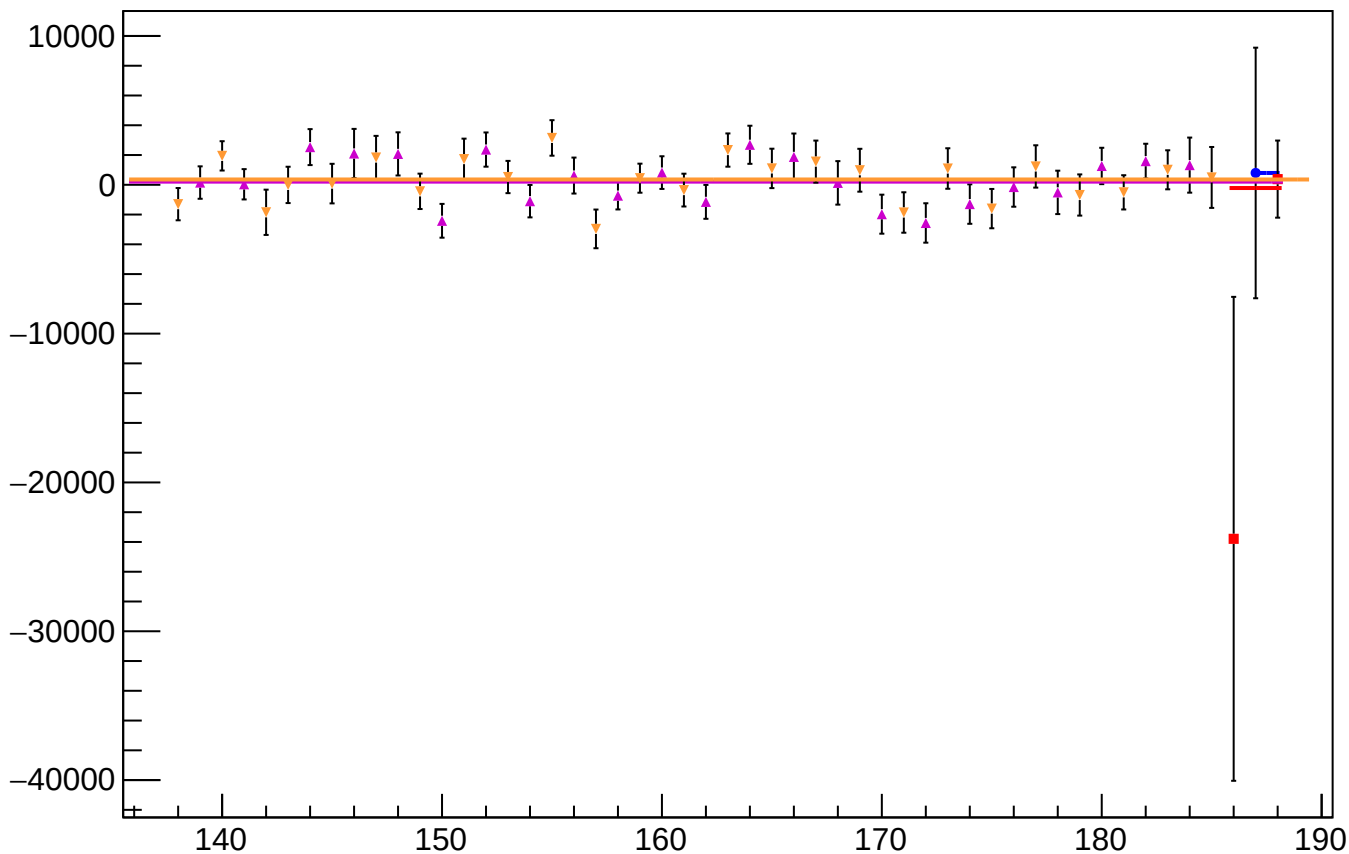
Right: 120.941 ± 0.023 $\chi^2/\text{NDF}: 3041694.4/38$

In: 151.286 ± 0.022 $\chi^2/\text{NDF}: 2823278.8/40$

Out: 147.984 ± 0.021 $\chi^2/\text{NDF}: 3585065.3/45$

All: 149.537 ± 0.015 $\chi^2/\text{NDF}: 6419950.6/86$

asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: 794.612 $\pm$ 8418.796 χ^2 /NDF: 0.0/0

Left Out: 356.612 $\pm$ 250.934 χ^2 /NDF:33.4/24

Right Out: -217.415 $\pm$ 2558.301 χ^2 /NDF: 2.2/1

Left In: 212.007 $\pm$ 257.383 χ^2 /NDF:36.0/22

Left: 286.144 $\pm$ 179.674 χ^2 /NDF: 69.6/47

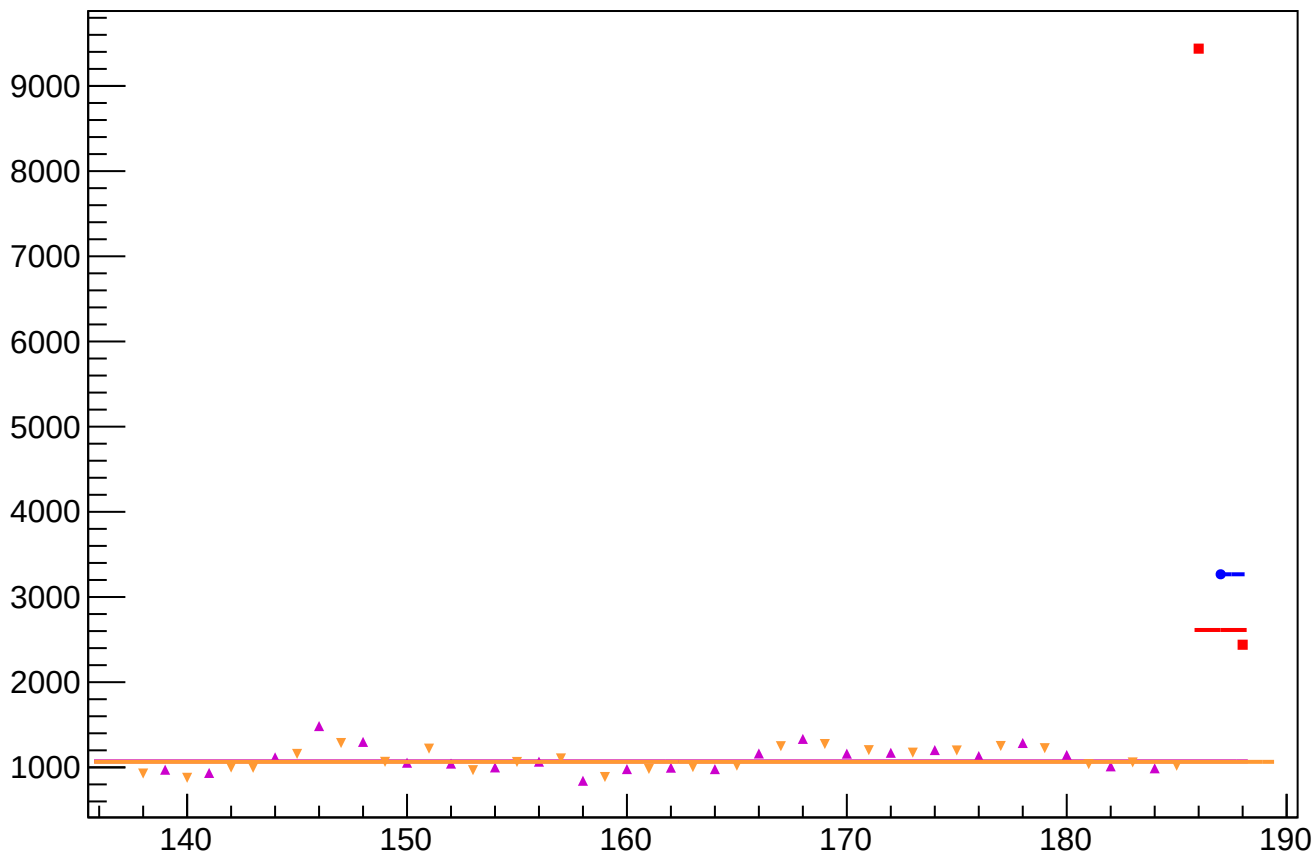
Right: -131.862 $\pm$ 2447.779 χ^2 /NDF: 2.2/2

In: 212.551 $\pm$ 257.263 χ^2 /NDF:36.1/23

Out: 351.142 $\pm$ 249.736 χ^2 /NDF:35.6/26

All: 283.904 $\pm$ 179.192 χ^2 /NDF: 71.8/50

asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 3266.788+/-5.953 χ^2/NDF : 0.0/0

Left Out: 1064.868+/-0.177 χ^2/NDF : 493614.2/24

Right Out: 2612.969+/-1.809 χ^2/NDF : 361355.8/1

Left In: 1070.694+/-0.182 χ^2/NDF : 570407.8/22

Left: 1067.707+/-0.127 χ^2/NDF : 1064547.2/47

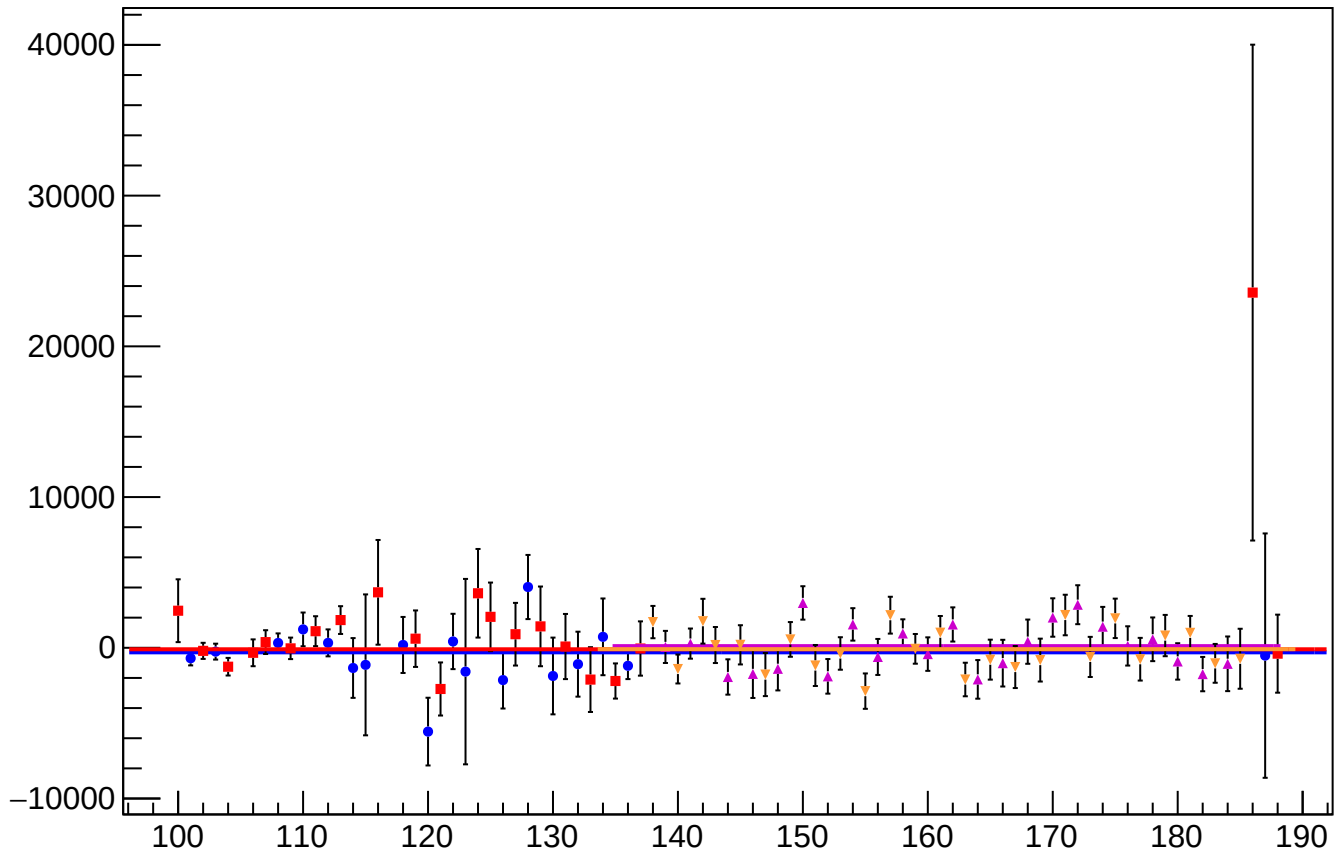
Right: 2668.240+/-1.731 χ^2/NDF : 372398.8/2

In: 1072.744+/-0.182 χ^2/NDF : 706372.6/23

Out: 1079.621+/-0.177 χ^2/NDF : 1580351.9/26

All: 1076.284+/-0.127 χ^2/NDF : 2287460.1/50

asym_sam6_mean vs Slug, Sign Corrected



Right In: -301.207+/-249.924 χ^2/NDF : 16.8/17

Left Out: -89.632+/-247.271 χ^2/NDF : 31.0/24

Right Out: -98.196+/-244.851 χ^2/NDF : 24.6/20

Left In: 110.879+/-254.337 χ^2/NDF : 35.2/22

Left: 7.800+/-177.292 χ^2/NDF : 66.4/47

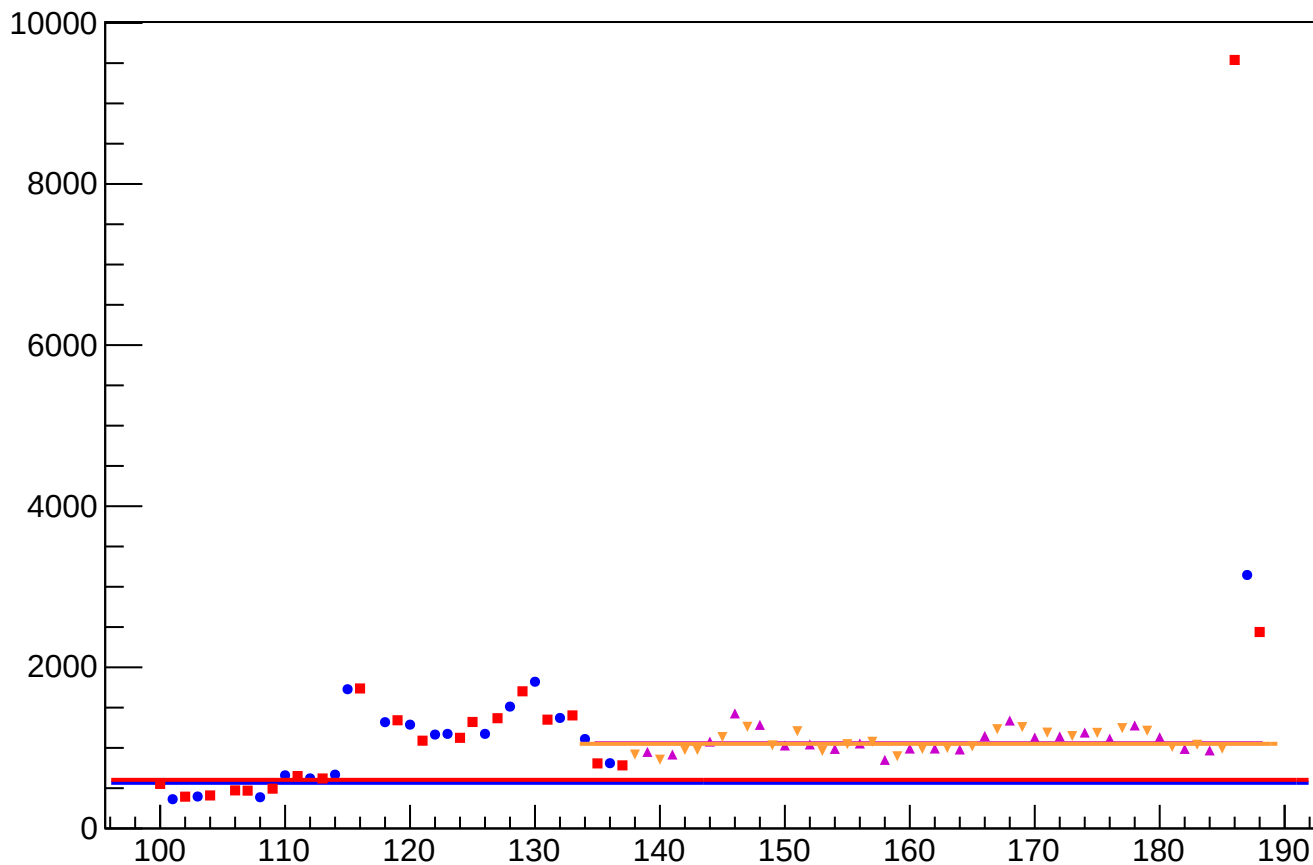
Right: -197.620+/-174.902 χ^2/NDF : 41.8/38

In: -98.770+/-178.263 χ^2/NDF : 53.3/40

Out: -93.956+/-173.985 χ^2/NDF : 55.6/45

All: -96.305+/-124.511 χ^2/NDF : 108.9/86

asym_sam6_rms vs Slug, Sign Corrected



Right In: 566.458 $\pm$ 0.177 χ^2 /NDF: 3464253.3/17

Left Out: 1050.918 $\pm$ 0.175 χ^2 /NDF:483477.5/24

Right Out: 603.633 $\pm$ 0.173 χ^2 /NDF: 4427129.6/20

Left In: 1058.154 $\pm$ 0.180 χ^2 /NDF:532260.0/22

Left: 1054.434 $\pm$ 0.125 χ^2 /NDF: 1016569.7/47

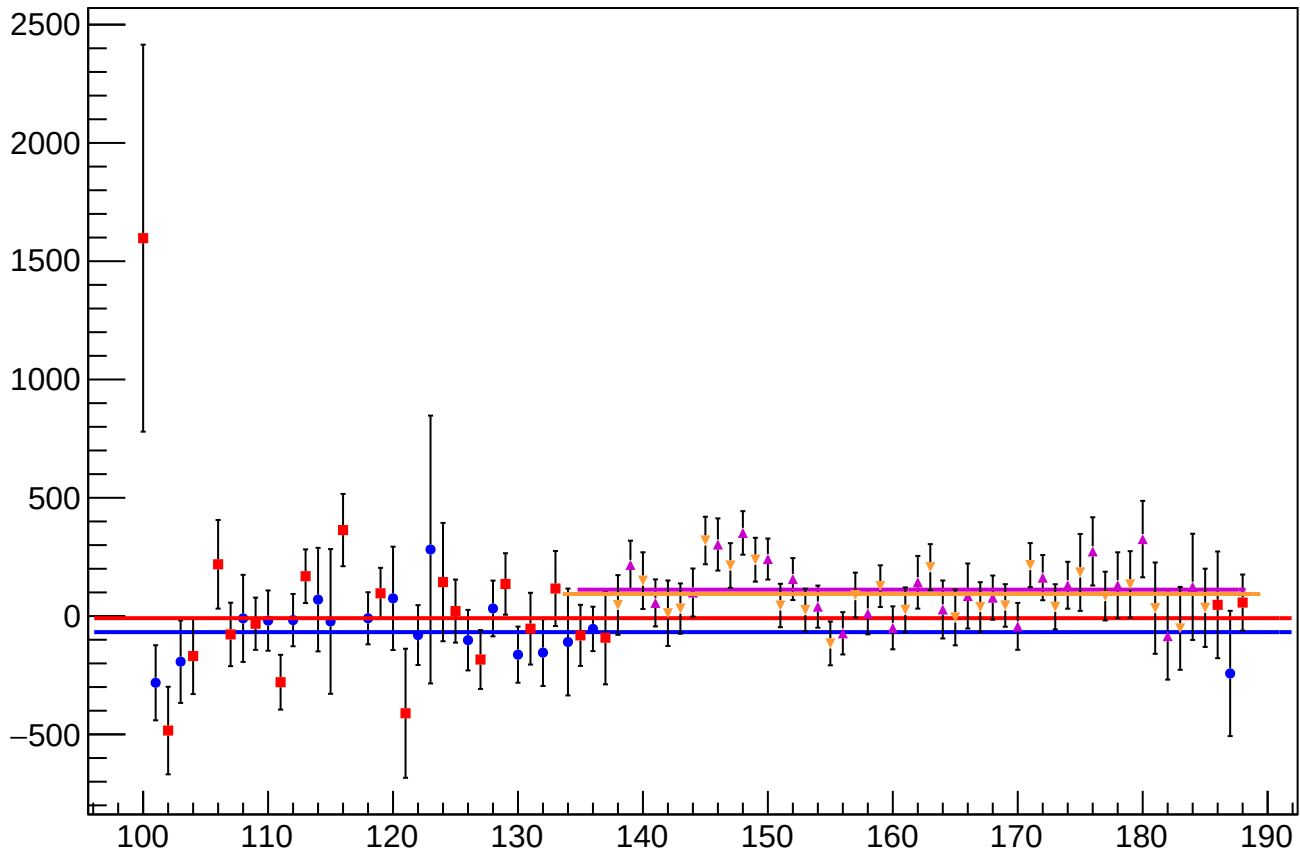
Right: 585.426 $\pm$ 0.124 χ^2 /NDF: 7913961.6/38

In: 808.002 $\pm$ 0.126 χ^2 /NDF:7799362.3/40

Out: 825.076 $\pm$ 0.123 χ^2 /NDF:8214865.1/45

All: 816.747 $\pm$ 0.088 χ^2 /NDF: 16023623.7/80

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -67.786 ± 34.337 χ^2/NDF : 6.6/17

Left Out: 93.496 ± 21.284 χ^2/NDF : 22.8/24

Right Out: -8.818 ± 31.845 χ^2/NDF : 35.4/20

Left In: 111.732 ± 21.971 χ^2/NDF : 30.7/22

Left: 102.325 ± 15.287 χ^2/NDF : 53.8/47

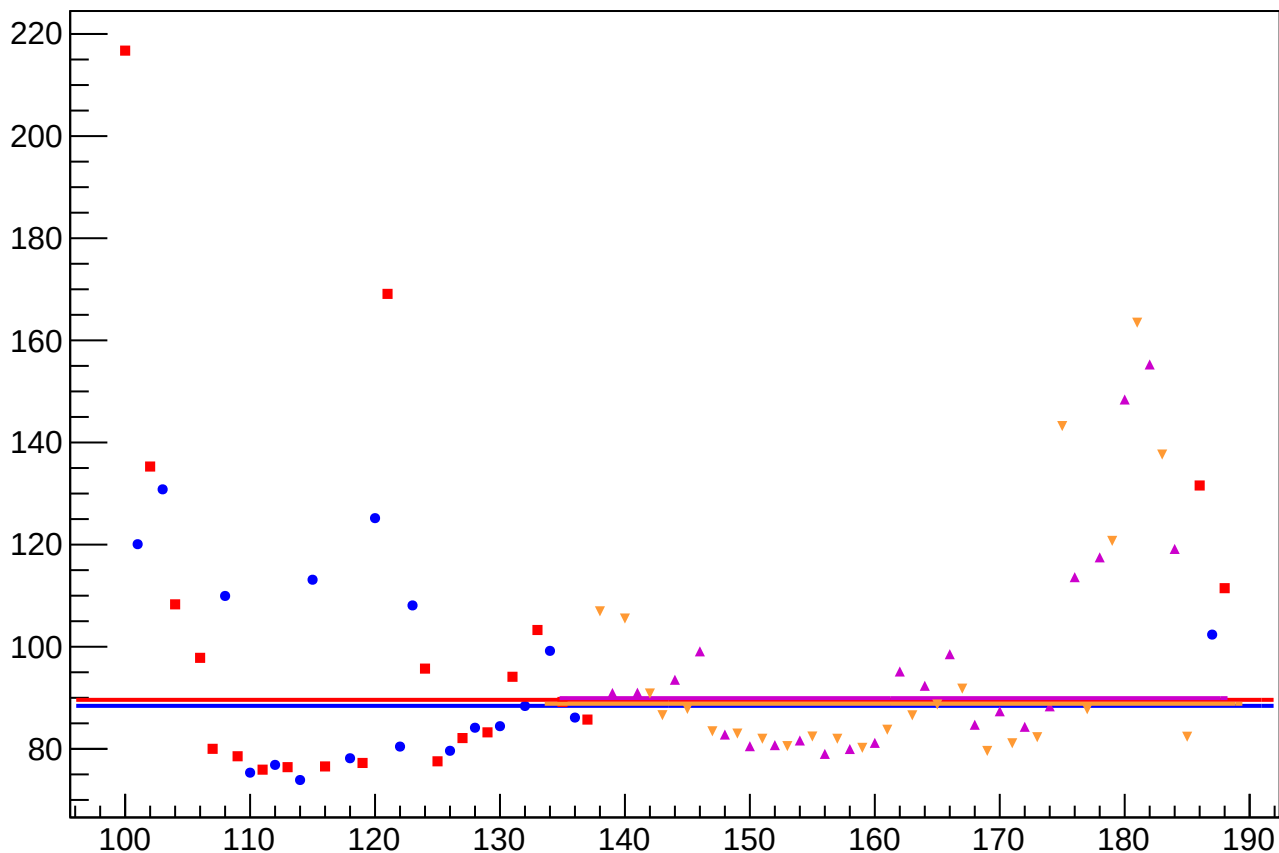
Right: -36.085 ± 23.349 χ^2/NDF : 43.6/38

In: 59.584 ± 18.507 χ^2/NDF : 56.7/40

Out: 61.903 ± 17.696 χ^2/NDF : 65.3/45

All: 60.795 ± 12.790 χ^2/NDF : 122.0/86

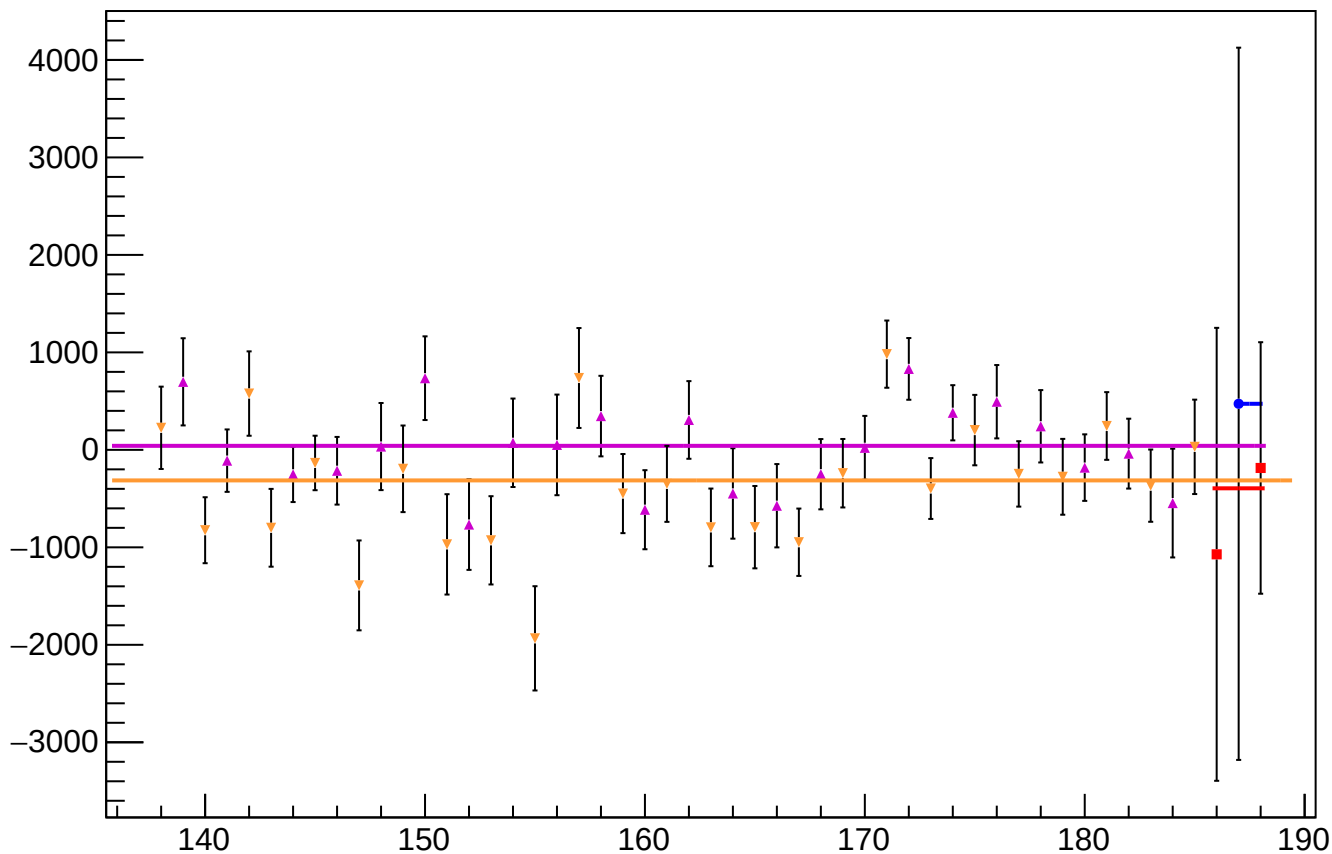
dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 88.425+/-0.024 χ^2/NDF : 400098.4/17
 Left Out: 88.830+/-0.015 χ^2/NDF : 1000651.2/24
 Right Out: 89.604+/-0.023 χ^2/NDF : 681397.4/20
 Left In: 89.934+/-0.016 χ^2/NDF : 874129.5/22

Left: 89.364+/-0.011 χ^2/NDF : 1877387.2/47
 Right: 89.059+/-0.017 χ^2/NDF : 1082762.9/38
 In: 89.496+/-0.013 χ^2/NDF : 1276969.2/40
 Out: 89.069+/-0.013 χ^2/NDF : 1682865.0/45
 All: 89.273+/-0.009 χ^2/NDF : 2960390.2/86

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: 472.552 $\pm$ 3653.348 χ^2 /NDF: 0.0/0

Left Out: -313.446 $\pm$ 77.334 χ^2 /NDF:58.1/24

Right Out: -394.587 $\pm$ 1127.869 χ^2 /NDF: 0.1/1

Left In: 41.244 $\pm$ 78.858 χ^2 /NDF:28.0/22

Left: -139.560 $\pm$ 55.214 χ^2 /NDF: 96.4/47

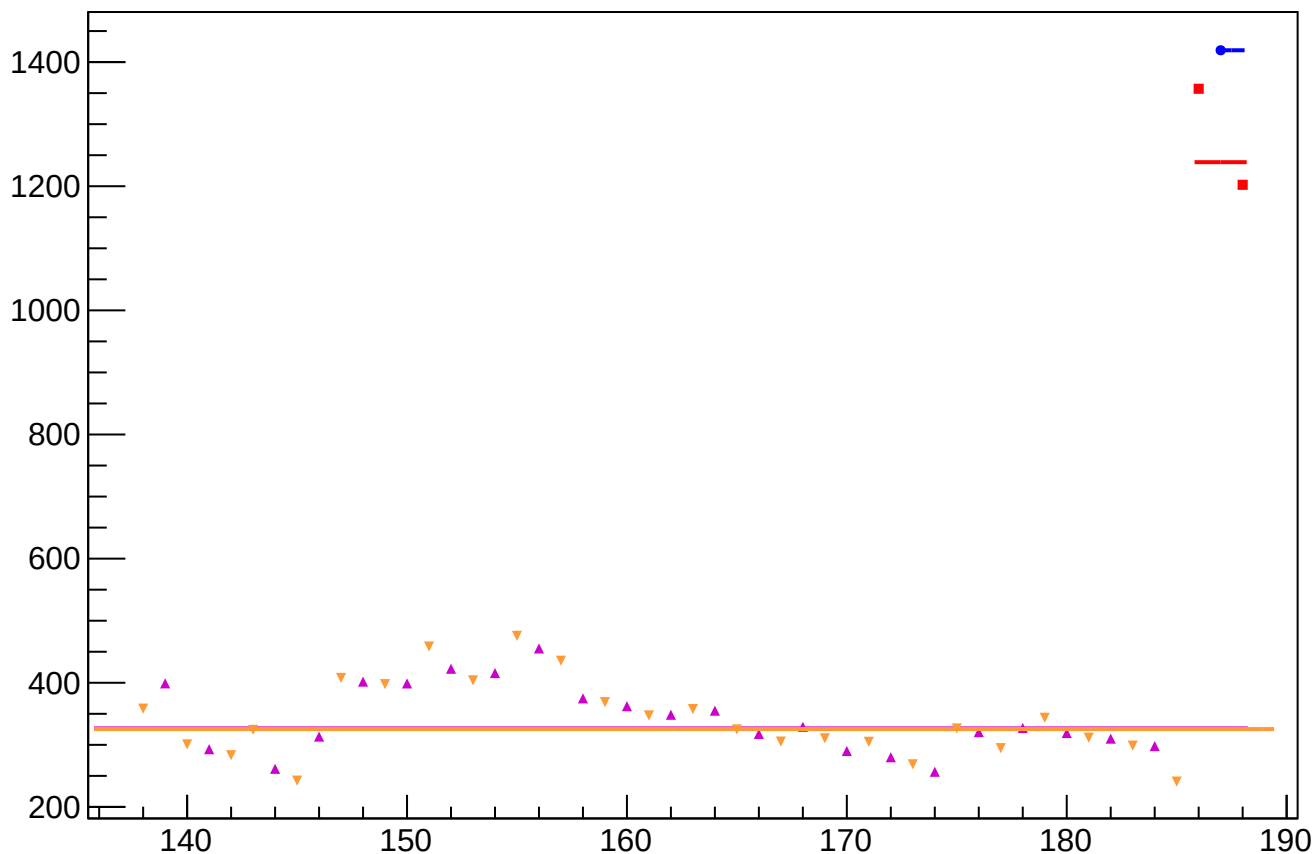
Right: -319.132 $\pm$ 1077.681 χ^2 /NDF: 0.2/2

In: 41.444 $\pm$ 78.839 χ^2 /NDF:28.0/23

Out: -313.826 $\pm$ 77.153 χ^2 /NDF:58.2/26

All: -140.030 $\pm$ 55.142 χ^2 /NDF: 96.6/50

asym_sam7_correction_rms vs Slug, Sign Corrected



Right In: 1419.047+/-2.583 χ^2/NDF : 0.0/0

Left Out: 325.432+/-0.055 χ^2/NDF :1000974.7/24

Right Out: 1238.759+/-0.798 χ^2/NDF : 6782.9/1

Left In: 326.516+/-0.056 χ^2/NDF :841153.2/22

Left: 325.964+/-0.039 χ^2/NDF : 1842320.6/47

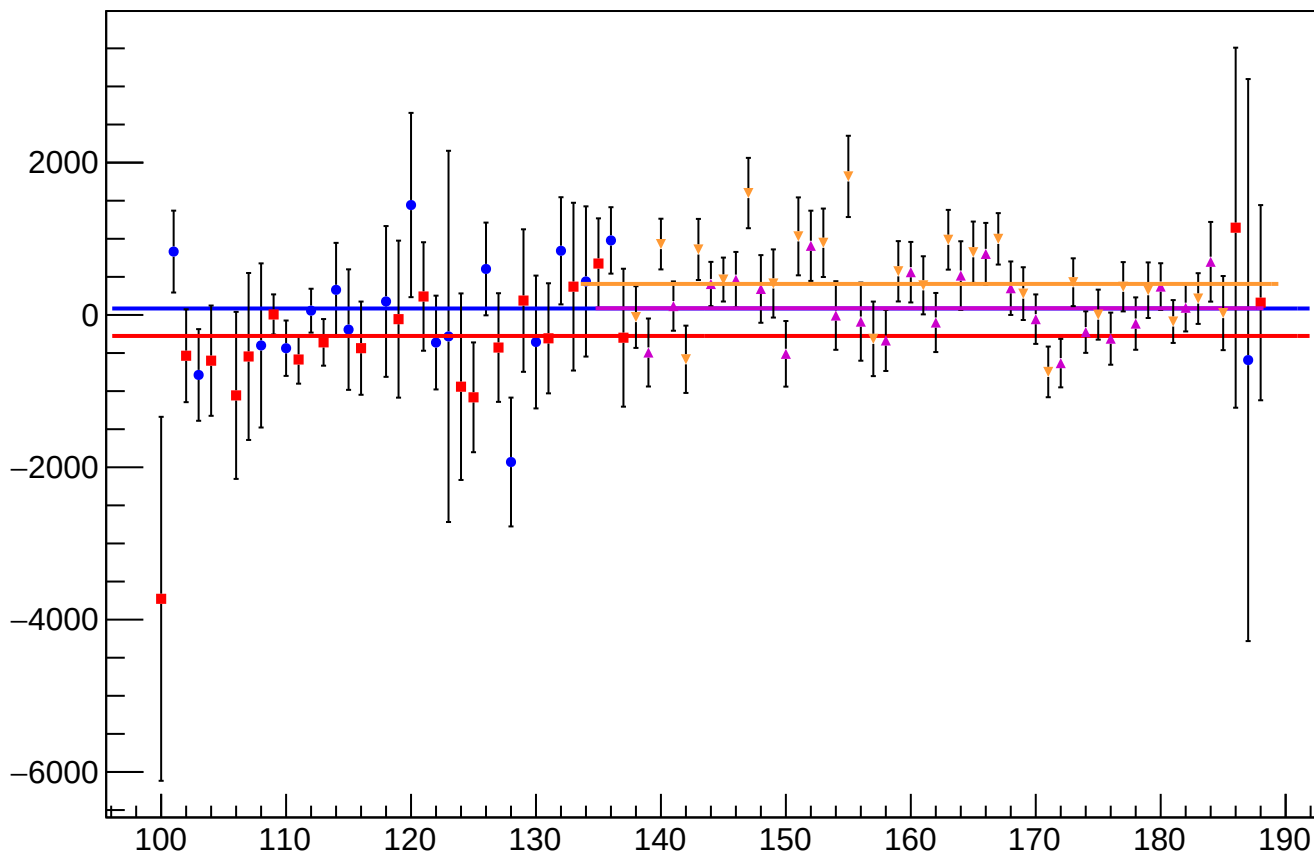
Right: 1254.447+/-0.762 χ^2/NDF : 11229.7/2

In: 327.025+/-0.056 χ^2/NDF :1019930.7/23

Out: 329.706+/-0.055 χ^2/NDF :2313110.7/26

All: 328.394+/-0.039 χ^2/NDF : 3334222.4/50

asym_sam7_mean vs Slug, Sign Corrected



Right In: 84.798 ± 142.494 $\chi^2/\text{NDF}: 20.6/17$

Left Out: 407.375 ± 74.730 $\chi^2/\text{NDF}: 53.0/24$

Right Out: -275.714 ± 128.750 $\chi^2/\text{NDF}: 11.1/20$

Left In: 87.657 ± 76.572 $\chi^2/\text{NDF}: 27.4/22$

Left: 251.406 ± 53.481 $\chi^2/\text{NDF}: 89.4/47$

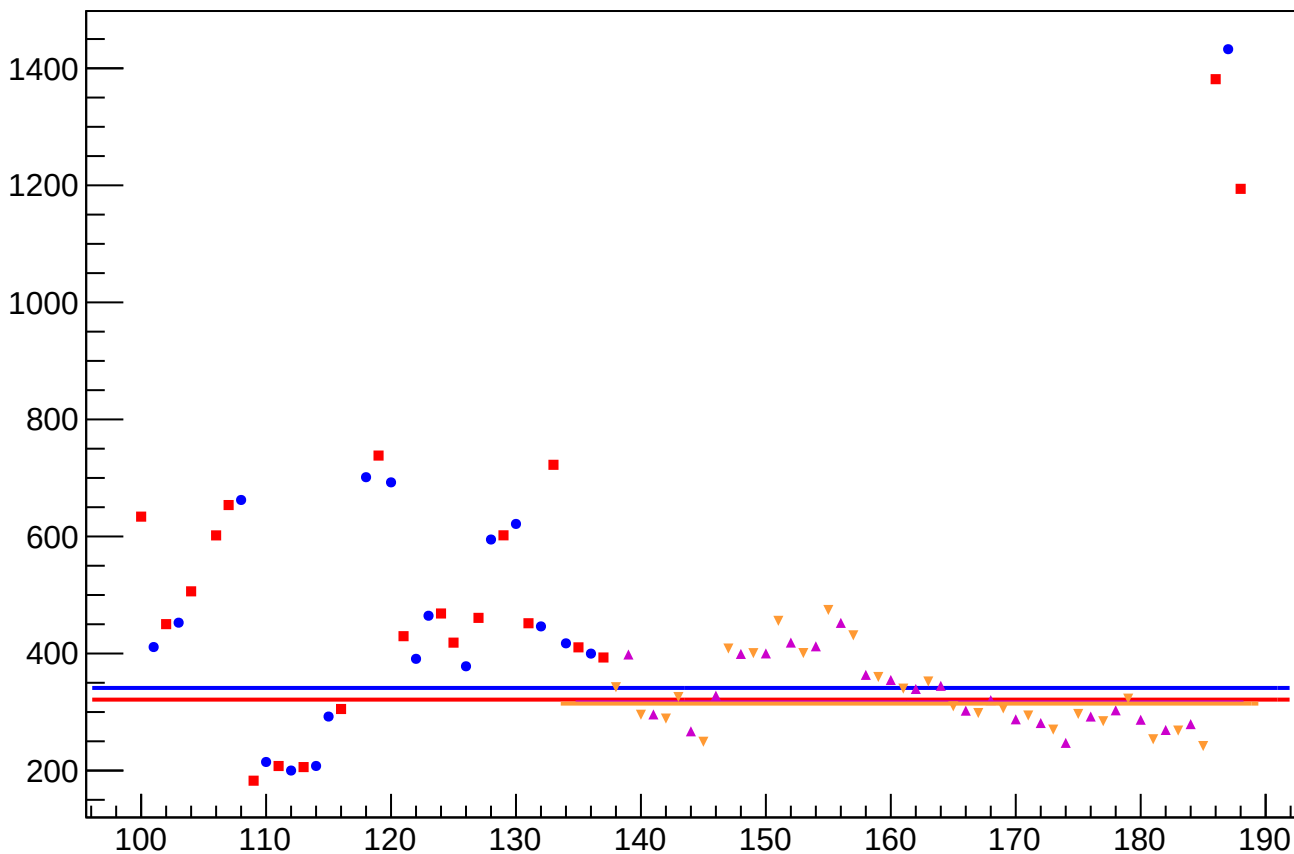
Right: -113.679 ± 95.530 $\chi^2/\text{NDF}: 35.2/38$

In: 87.016 ± 67.450 $\chi^2/\text{NDF}: 48.0/40$

Out: 235.235 ± 64.632 $\chi^2/\text{NDF}: 85.2/45$

All: 164.286 ± 46.666 $\chi^2/\text{NDF}: 135.7/86$

asym_sam7_rms vs Slug, Sign Corrected



Right In: 341.183+/-0.101 χ^2/NDF : 2217539.0/17

Left Out: 314.405+/-0.053 χ^2/NDF : 1112244.9/24

Right Out: 321.222+/-0.091 χ^2/NDF : 4078257.6/20

Left In: 316.616+/-0.054 χ^2/NDF : 929652.0/22

Left: 315.484+/-0.038 χ^2/NDF : 2042751.4/47

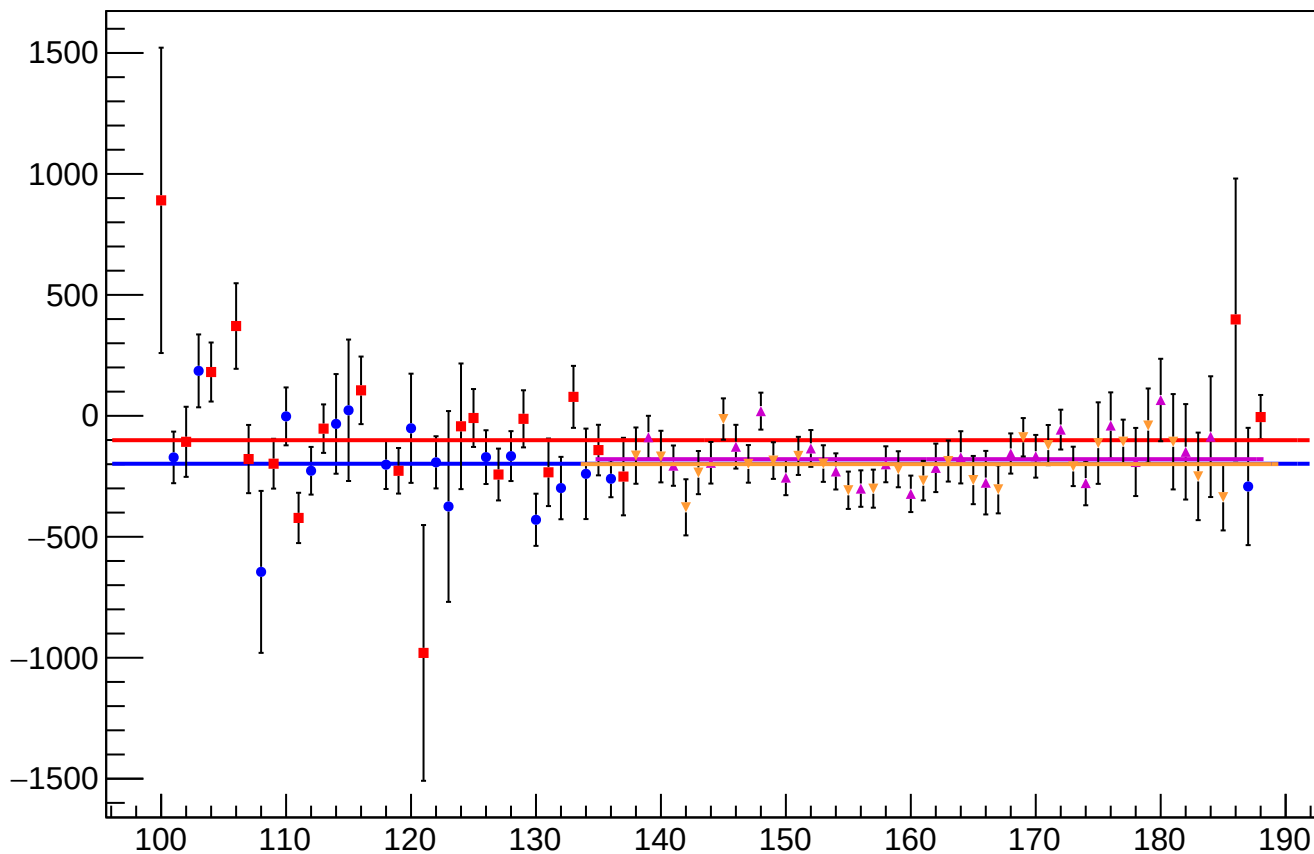
Right: 330.194+/-0.068 χ^2/NDF : 6317403.0/38

In: 322.121+/-0.048 χ^2/NDF : 3193318.4/40

Out: 316.123+/-0.046 χ^2/NDF : 5194697.2/45

All: 318.994+/-0.033 χ^2/NDF : 8396260.5/86

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -198.077 $\pm$ 30.163 χ^2/NDF : 19.2/17

Left Out: -199.640 $\pm$ 18.452 χ^2/NDF :20.2/24

Right Out: -100.722 $\pm$ 28.142 χ^2/NDF : 41.3/20

Left In: -179.154 $\pm$ 19.112 χ^2/NDF :23.9/22

Left: -189.757 $\pm$ 13.275 χ^2/NDF : 44.6/47

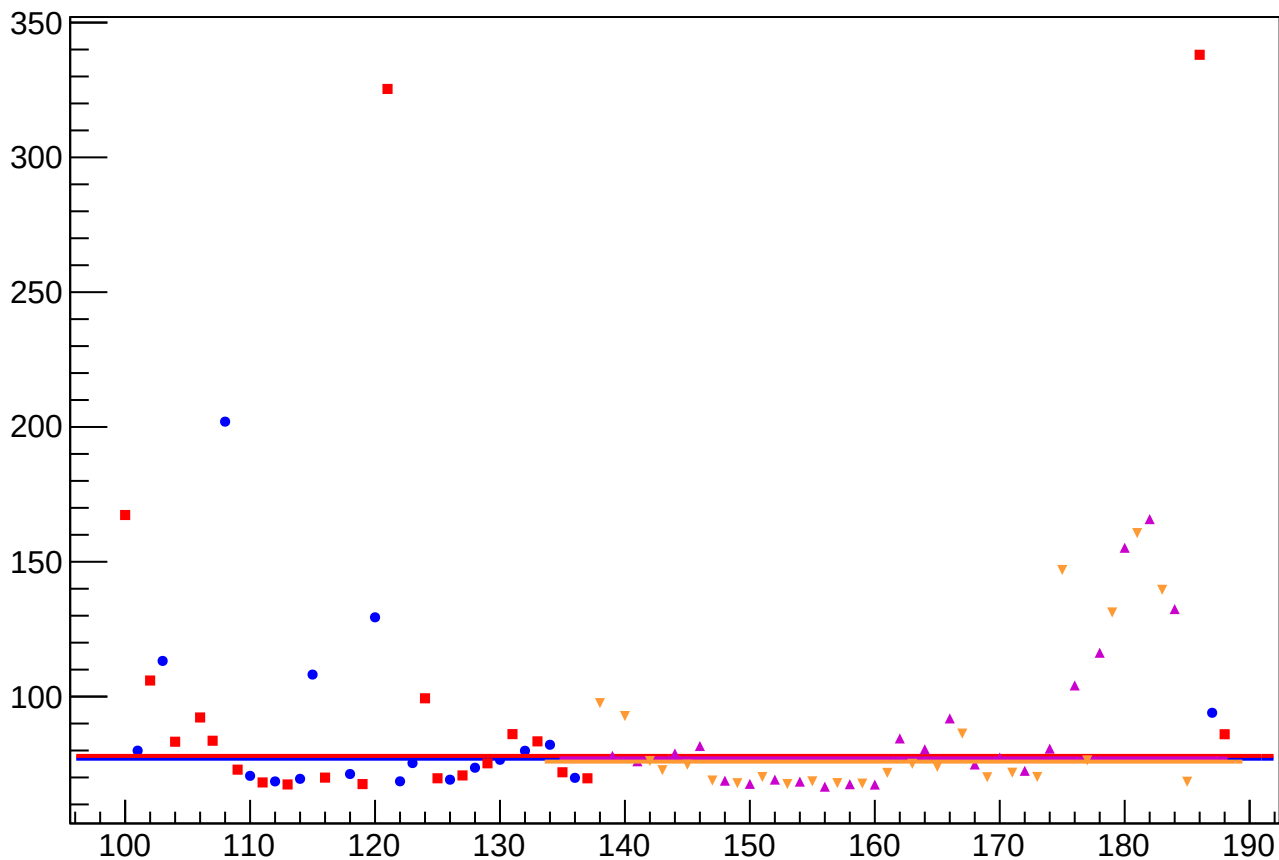
Right: -146.029 $\pm$ 20.577 χ^2/NDF : 66.1/38

In: -184.575 $\pm$ 16.144 χ^2/NDF :43.3/40

Out: -169.900 $\pm$ 15.431 χ^2/NDF :70.2/45

All: -176.906 $\pm$ 11.155 χ^2/NDF : 113.9/86

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 76.960 $\pm$ 0.021 χ^2 /NDF: 610372.9/17

Left Out: 75.883 $\pm$ 0.013 χ^2 /NDF:1552500.3/24

Right Out: 77.998 $\pm$ 0.020 χ^2 /NDF: 1118841.0/20

Left In: 77.080 $\pm$ 0.014 χ^2 /NDF:1422981.1/22

Left: 76.460 $\pm$ 0.009 χ^2 /NDF: 2979537.9/47

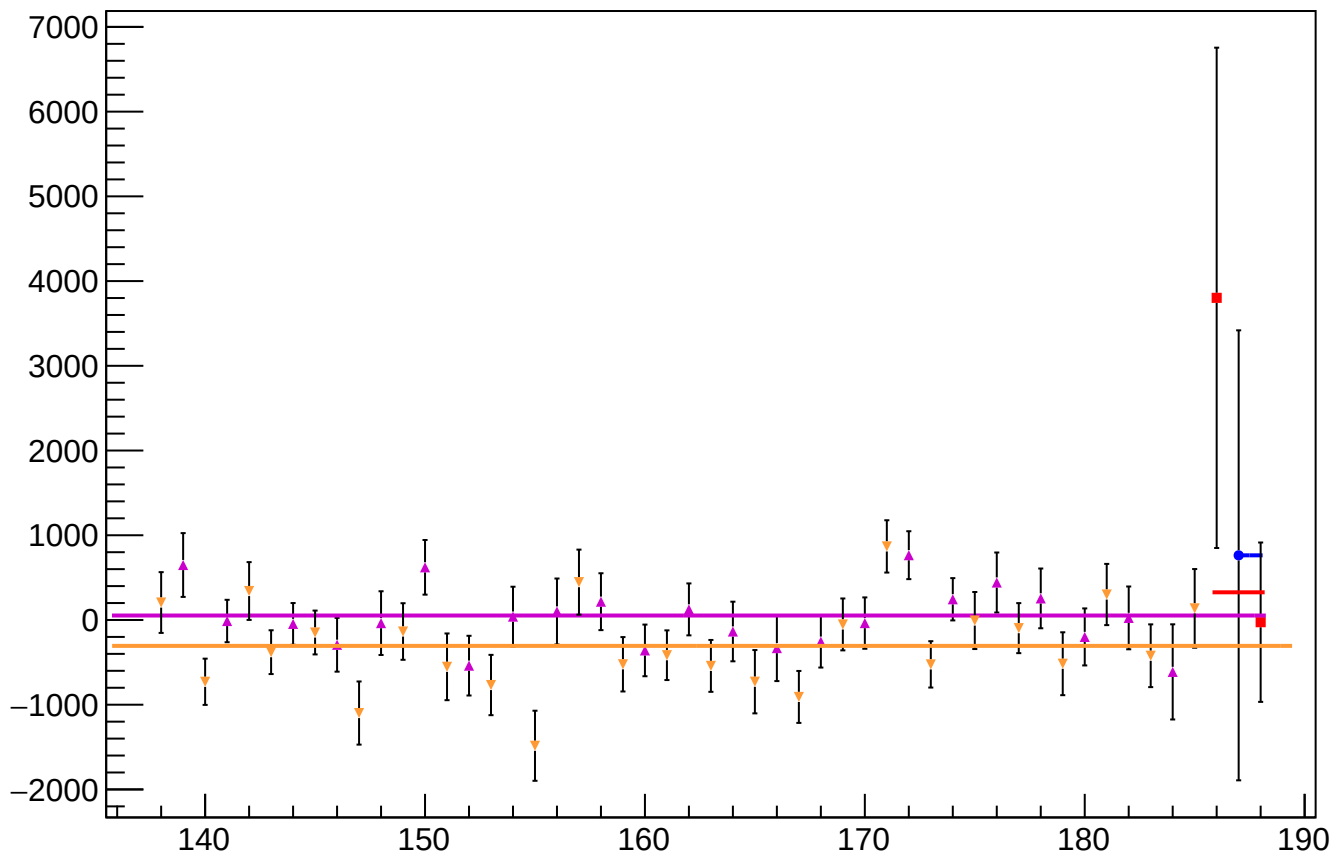
Right: 77.515 $\pm$ 0.015 χ^2 /NDF: 1730480.7/38

In: 77.045 $\pm$ 0.011 χ^2 /NDF:2033376.4/40

Out: 76.519 $\pm$ 0.011 χ^2 /NDF:2679241.7/45

All: 76.770 $\pm$ 0.008 χ^2 /NDF: 4713728.7/86

asym_sam8_correction_mean vs Slug, Sign Corrected



Right In: 763.015 $\pm$ 2655.697 χ^2 /NDF: 0.0/0

Left Out: -305.659 $\pm$ 65.327 χ^2 /NDF:54.9/24

Right Out: 326.628 $\pm$ 896.154 χ^2 /NDF: 1.5/1

Left In: 52.759 $\pm$ 67.539 χ^2 /NDF:24.9/22

Left: -132.416 $\pm$ 46.956 χ^2 /NDF: 94.3/47

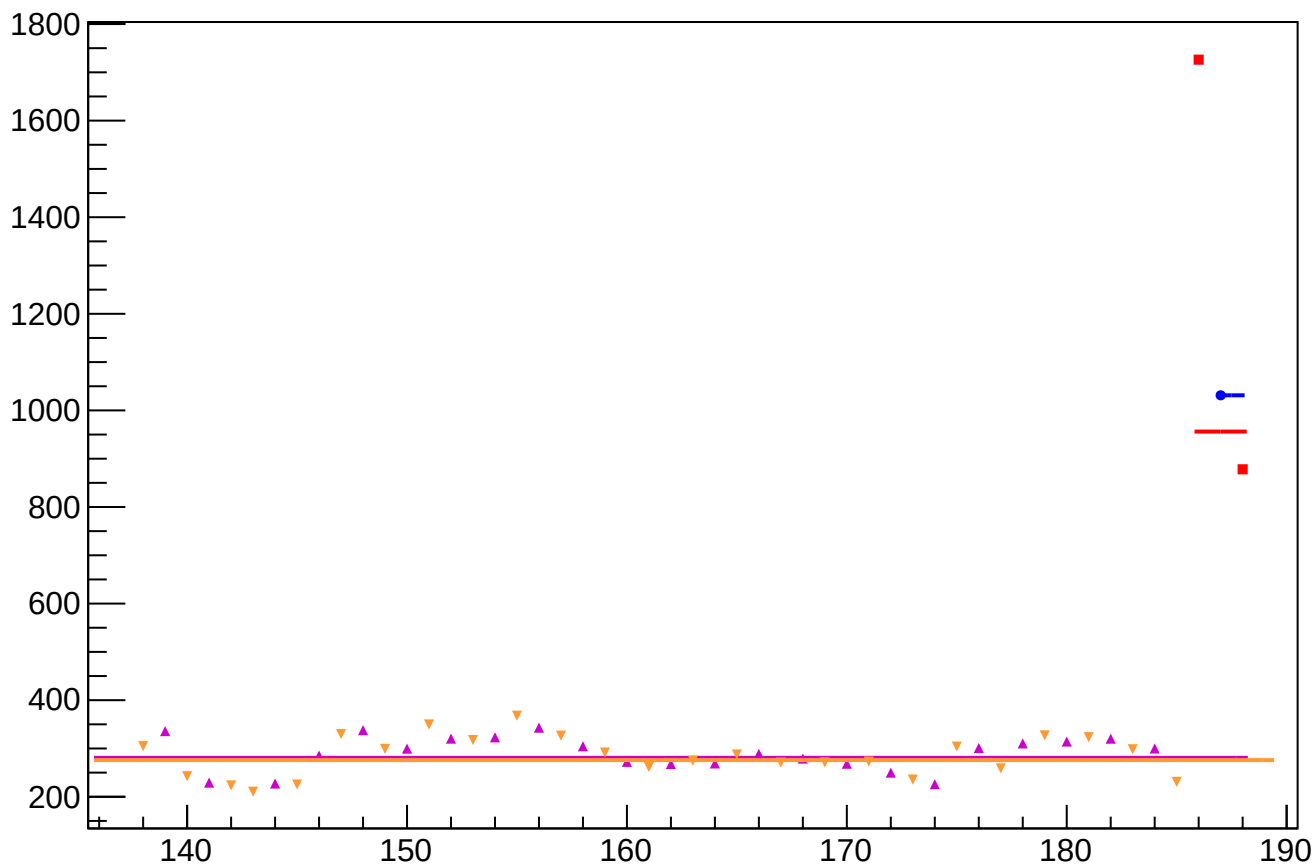
Right: 371.239 $\pm$ 849.113 χ^2 /NDF: 1.6/2

In: 53.218 $\pm$ 67.517 χ^2 /NDF:24.9/23

Out: -302.317 $\pm$ 65.154 χ^2 /NDF:56.9/26

All: -130.881 $\pm$ 46.884 χ^2 /NDF: 96.2/50

asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 1031.251+/-1.878 χ^2/NDF : 0.0/0

Left Out: 275.901+/-0.046 χ^2/NDF : 753109.6/24

Right Out: 956.163+/-0.634 χ^2/NDF : 149824.0/1

Left In: 280.628+/-0.048 χ^2/NDF : 587415.9/22

Left: 278.186+/-0.033 χ^2/NDF : 1345588.4/47

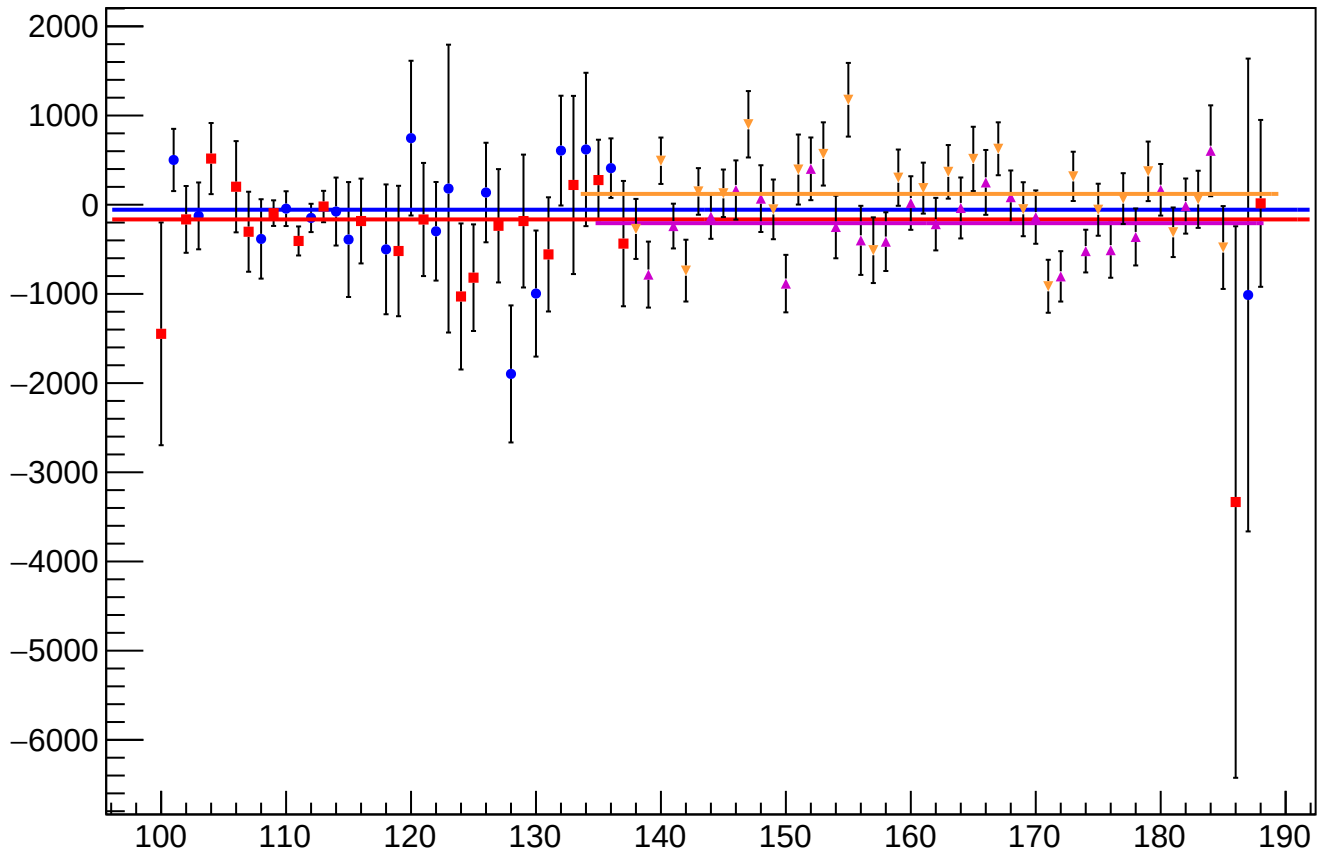
Right: 963.839+/-0.600 χ^2/NDF : 151259.4/2

In: 281.114+/-0.048 χ^2/NDF : 747090.3/23

Out: 279.497+/-0.046 χ^2/NDF : 2049277.4/26

All: 280.276+/-0.033 χ^2/NDF : 2796961.7/50

asym_sam8_mean vs Slug, Sign Corrected



Right In: -56.044 ± 90.303 $\chi^2/\text{NDF}: 16.7/17$

Left Out: 121.185 ± 62.911 $\chi^2/\text{NDF}: 49.0/24$

Right Out: -164.885 ± 76.621 $\chi^2/\text{NDF}: 13.0/20$

Left In: -207.047 ± 65.246 $\chi^2/\text{NDF}: 27.8/22$

Left: -36.951 ± 45.288 $\chi^2/\text{NDF}: 89.9/47$

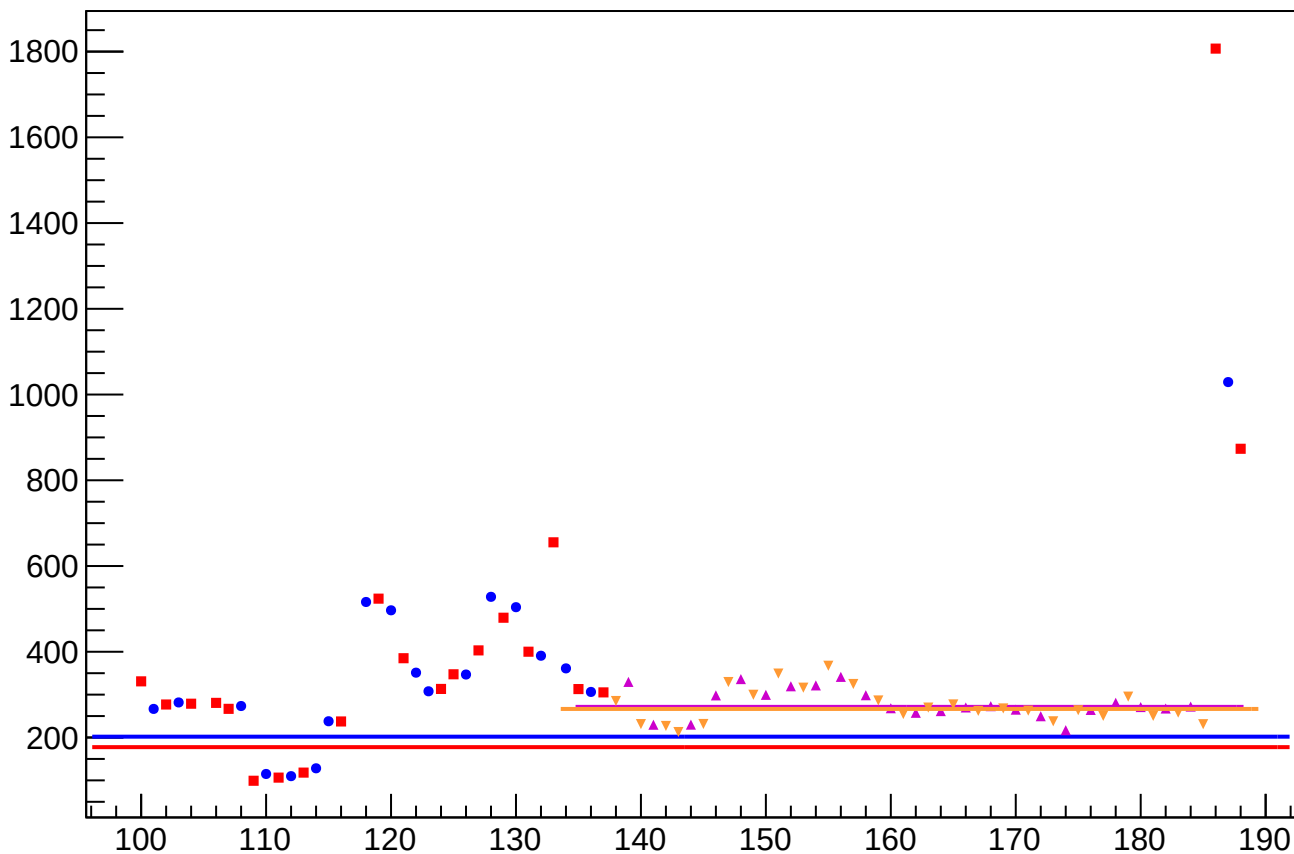
Right: -119.326 ± 58.424 $\chi^2/\text{NDF}: 30.5/38$

In: -155.254 ± 52.886 $\chi^2/\text{NDF}: 46.3/40$

Out: 5.990 ± 48.622 $\chi^2/\text{NDF}: 70.3/45$

All: -67.870 ± 35.793 $\chi^2/\text{NDF}: 121.7/86$

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.932 $\pm$ 0.064 χ^2 /NDF: 3631127.8/17

Left Out: 266.618 $\pm$ 0.044 χ^2 /NDF: 639230.8/24

Right Out: 177.505 $\pm$ 0.054 χ^2 /NDF: 5766142.2/20

Left In: 271.451 $\pm$ 0.046 χ^2 /NDF: 530897.8/22

Left: 268.946 $\pm$ 0.032 χ^2 /NDF: 1175815.9/47

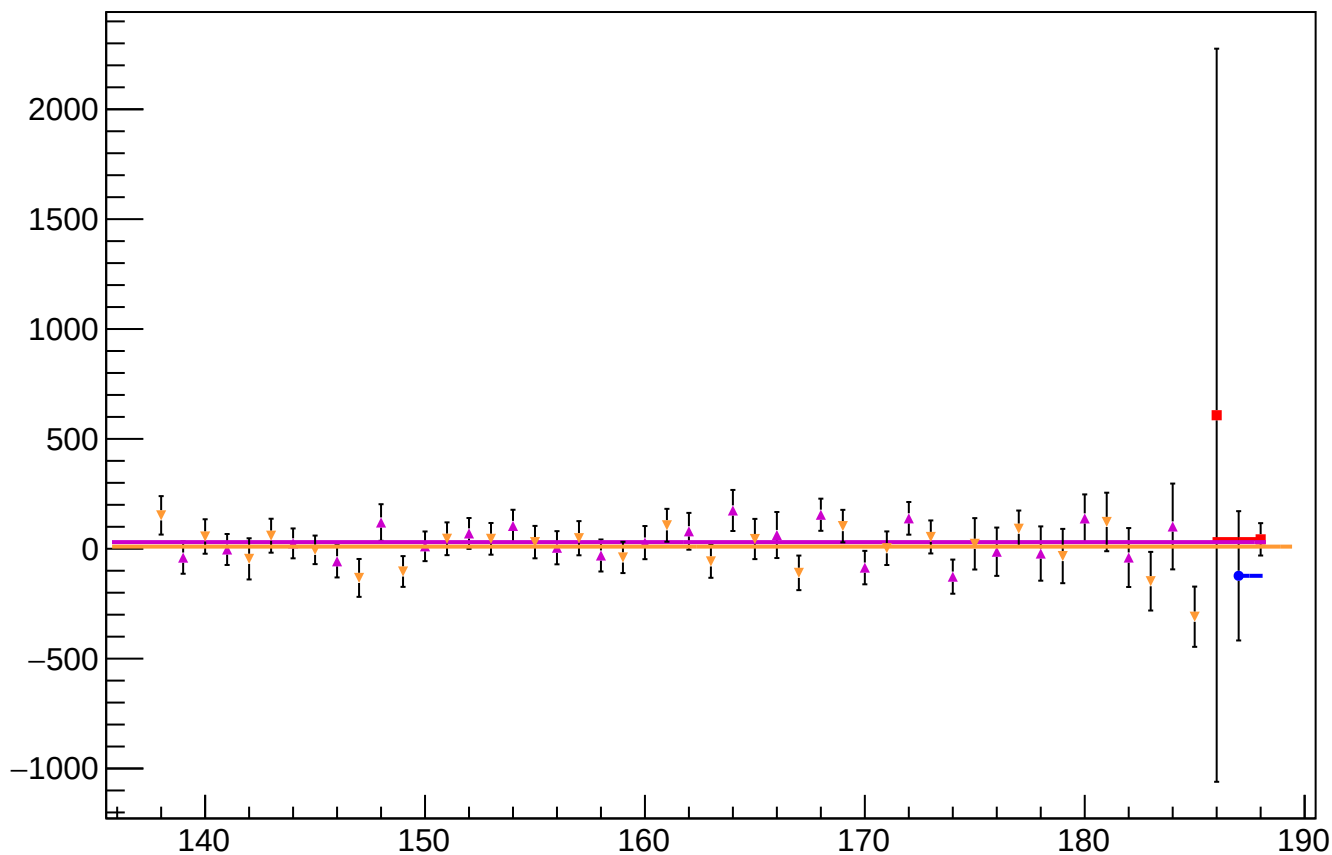
Right: 187.730 $\pm$ 0.041 χ^2 /NDF: 9482352.3/38

In: 247.606 $\pm$ 0.037 χ^2 /NDF: 4940792.5/40

Out: 230.734 $\pm$ 0.034 χ^2 /NDF: 8021282.1/45

All: 238.462 $\pm$ 0.025 χ^2 /NDF: 13072398.3/86

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: -123.135 $\pm$ 294.256 χ^2 /NDF: 0.0/0

Left Out: 9.762 $\pm$ 16.463 χ^2 /NDF:25.9/24

Right Out: 43.979 $\pm$ 73.608 χ^2 /NDF: 0.1/1

Left In: 30.236 $\pm$ 17.031 χ^2 /NDF:21.9/22

Left: 19.652 $\pm$ 11.837 χ^2 /NDF: 48.6/47

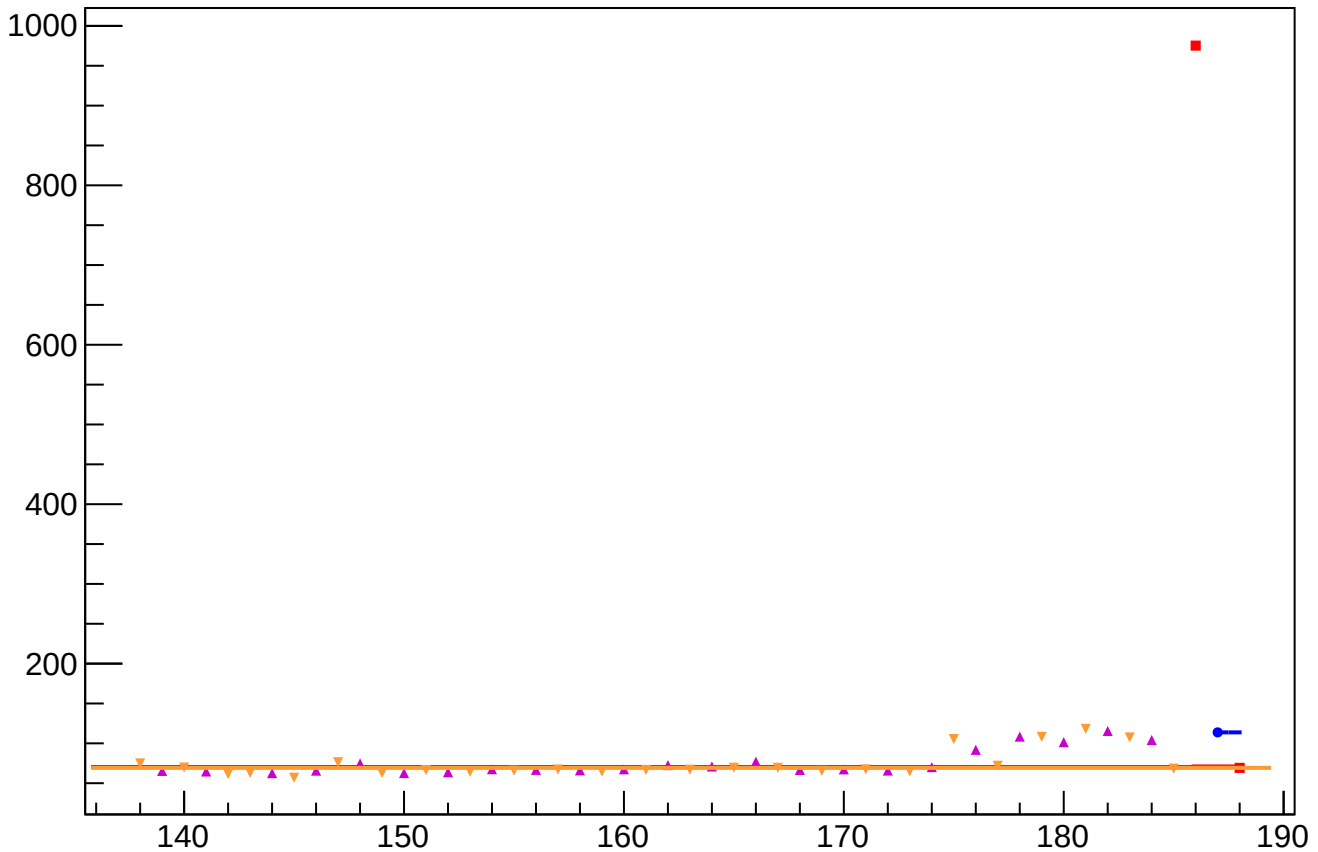
Right: 34.138 $\pm$ 71.408 χ^2 /NDF: 0.4/2

In: 29.724 $\pm$ 17.002 χ^2 /NDF:22.2/23

Out: 11.392 $\pm$ 16.066 χ^2 /NDF:26.2/26

All: 20.039 $\pm$ 11.677 χ^2 /NDF: 49.0/50

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 113.763 $\pm$ 0.208 χ^2 /NDF: 0.0/0

Left Out: 69.234 $\pm$ 0.012 χ^2 /NDF: 1005922.1/24

Right Out: 71.001 $\pm$ 0.052 χ^2 /NDF: 588833.6/1

Left In: 70.322 $\pm$ 0.012 χ^2 /NDF: 862105.7/22

Left: 69.760 $\pm$ 0.008 χ^2 /NDF: 1872251.2/47

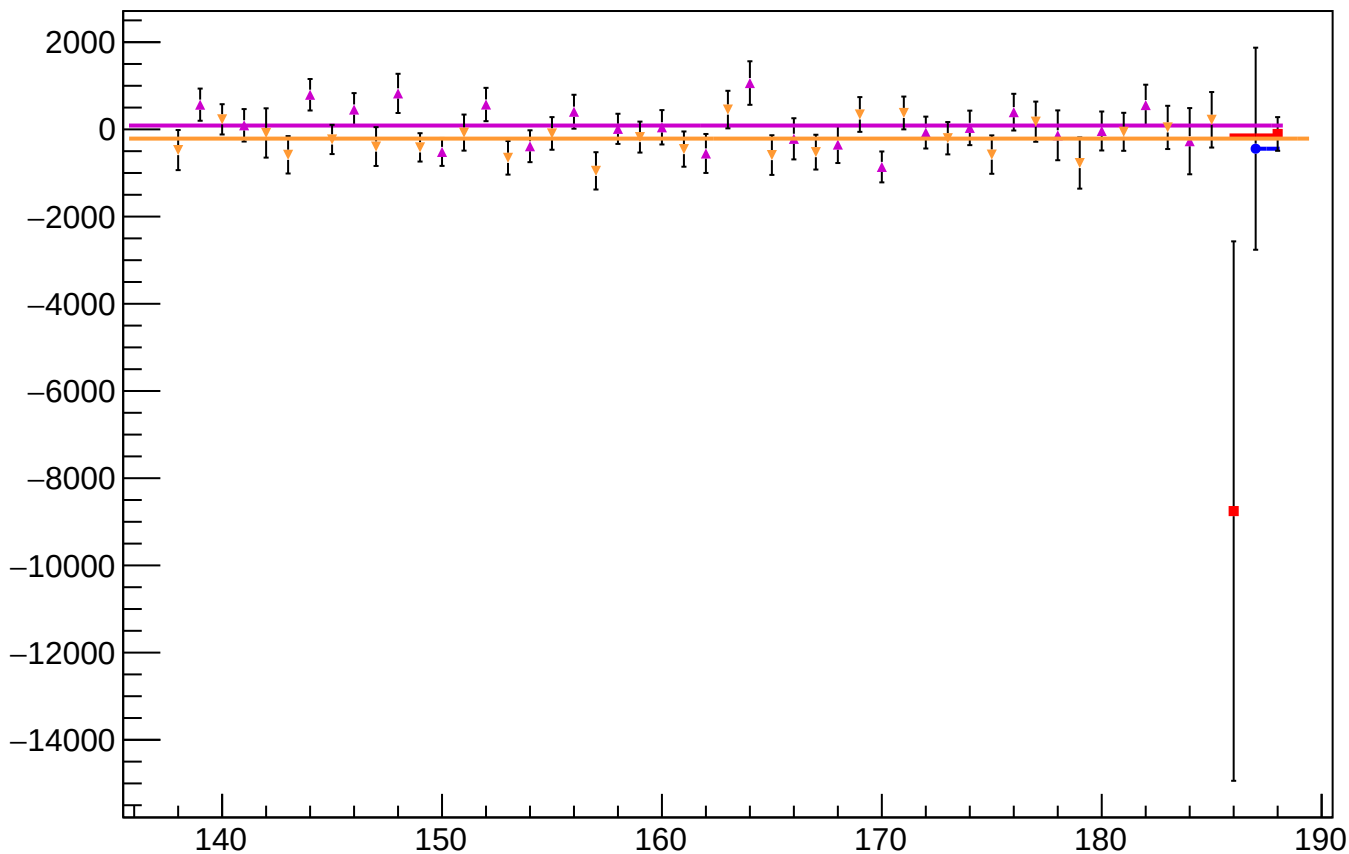
Right: 73.520 $\pm$ 0.050 χ^2 /NDF: 628583.2/2

In: 70.467 $\pm$ 0.012 χ^2 /NDF: 905549.2/23

Out: 69.318 $\pm$ 0.011 χ^2 /NDF: 1595853.9/26

All: 69.860 $\pm$ 0.008 χ^2 /NDF: 2506231.2/50

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: -443.440 ± 2317.322 χ^2/NDF : 0.0/0

Left Out: -211.526 ± 82.780 χ^2/NDF : 19.4/24

Right Out: -138.888 ± 385.647 χ^2/NDF : 1.9/1

Left In: 88.062 ± 84.309 χ^2/NDF : 33.5/22

Left: -64.474 ± 59.067 χ^2/NDF : 59.3/47

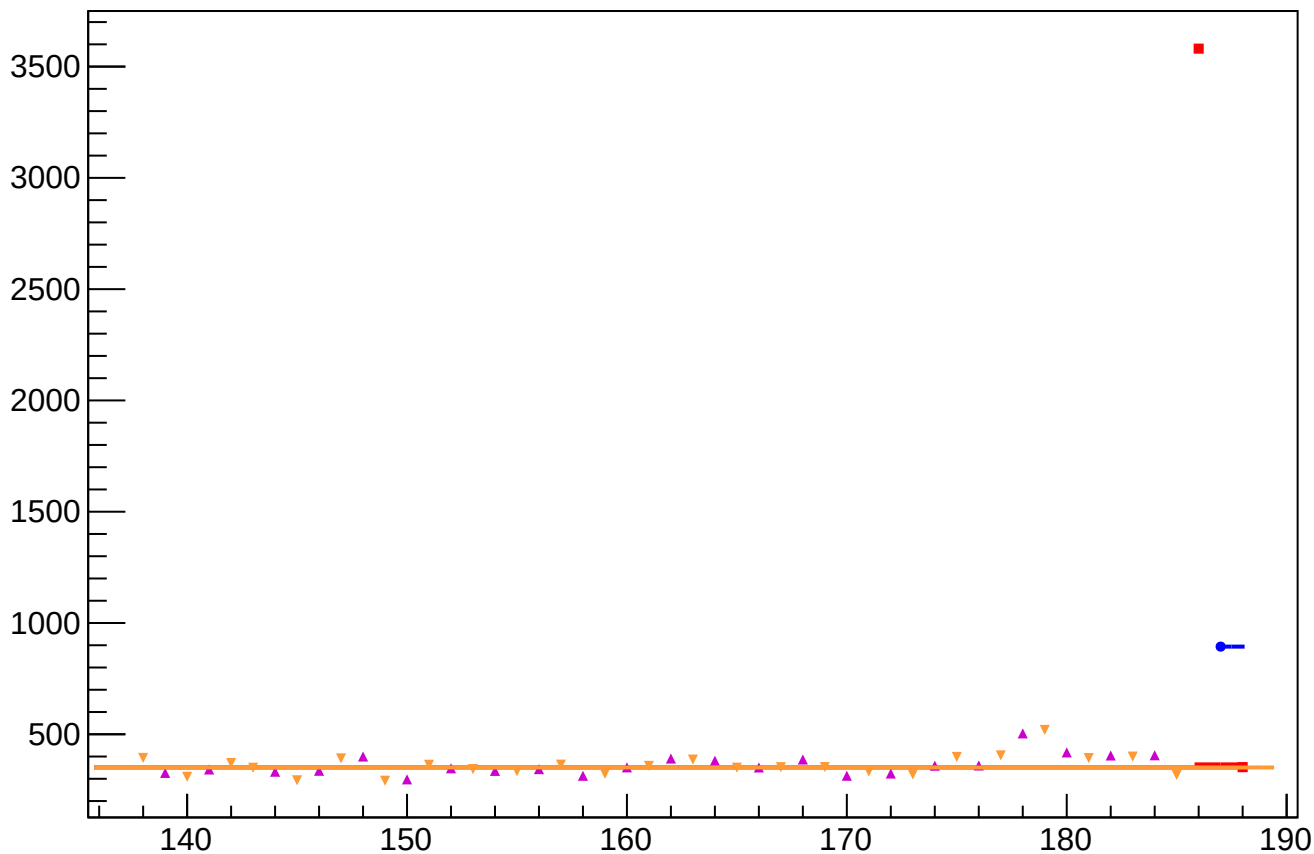
Right: -147.095 ± 380.415 χ^2/NDF : 2.0/2

In: 87.359 ± 84.253 χ^2/NDF : 33.5/23

Out: -208.327 ± 80.936 χ^2/NDF : 21.4/26

All: -66.419 ± 58.368 χ^2/NDF : 61.3/50

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 893.872+/-1.639 χ^2/NDF : 0.0/0

Left Out: 350.780+/-0.059 χ^2/NDF : 506274.4/24

Right Out: 364.719+/-0.273 χ^2/NDF : 542669.8/1

Left In: 350.944+/-0.060 χ^2/NDF : 424876.4/22

Left: 350.861+/-0.042 χ^2/NDF : 931154.7/47

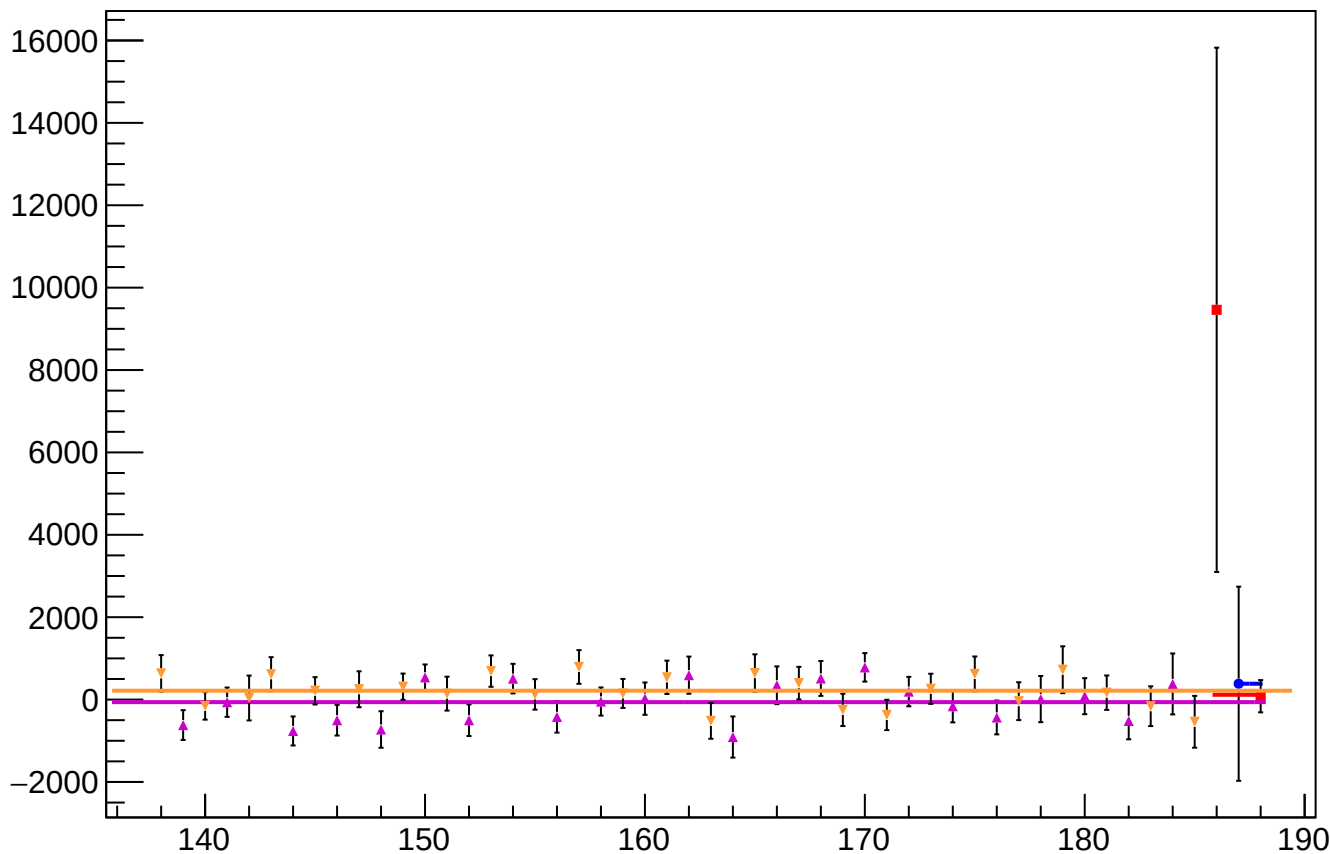
Right: 378.979+/-0.269 χ^2/NDF : 644144.0/2

In: 351.662+/-0.060 χ^2/NDF : 534515.7/23

Out: 351.394+/-0.057 χ^2/NDF : 1051441.6/26

All: 351.523+/-0.041 χ^2/NDF : 1585967.8/50

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 384.844 $\pm$ 2356.540 χ^2 /NDF: 0.0/0

Left Out: 215.214 $\pm$ 81.235 χ^2 /NDF:19.6/24

Right Out: 116.523 $\pm$ 390.808 χ^2 /NDF: 2.2/1

Left In: -61.730 $\pm$ 82.841 χ^2 /NDF:34.9/22

Left: 79.453 $\pm$ 58.001 χ^2 /NDF: 60.2/47

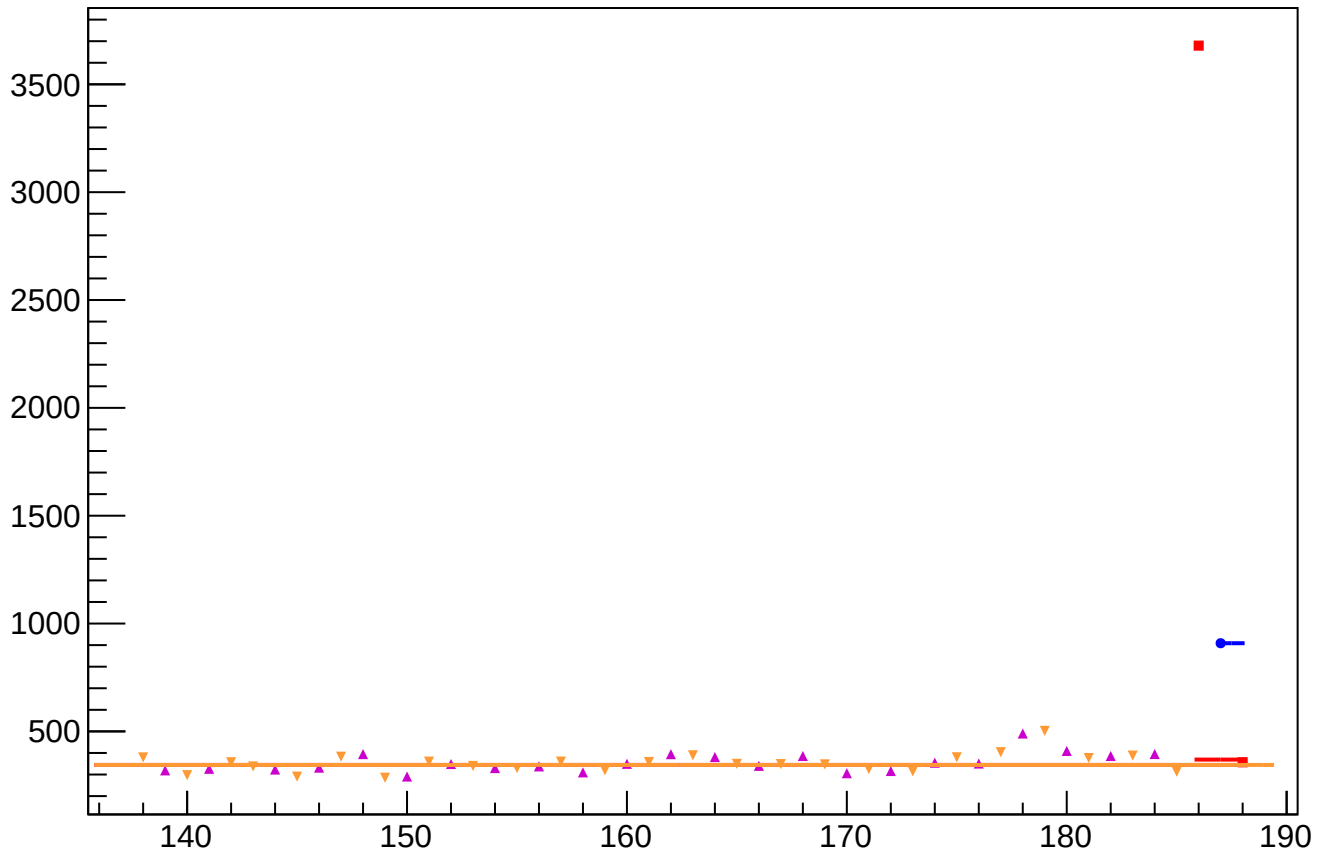
Right: 123.705 $\pm$ 385.542 χ^2 /NDF: 2.2/2

In: -61.179 $\pm$ 82.790 χ^2 /NDF:35.0/23

Out: 211.126 $\pm$ 79.535 χ^2 /NDF:21.8/26

All: 80.432 $\pm$ 57.356 χ^2 /NDF: 62.4/50

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 908.760 $\pm$ 1.666 χ^2 /NDF: 0.0/0

Left Out: 344.439 $\pm$ 0.057 χ^2 /NDF: 488381.9/24

Right Out: 369.327 $\pm$ 0.276 χ^2 /NDF: 543117.9/1

Left In: 344.475 $\pm$ 0.059 χ^2 /NDF: 433401.7/22

Left: 344.457 $\pm$ 0.041 χ^2 /NDF: 921783.8/47

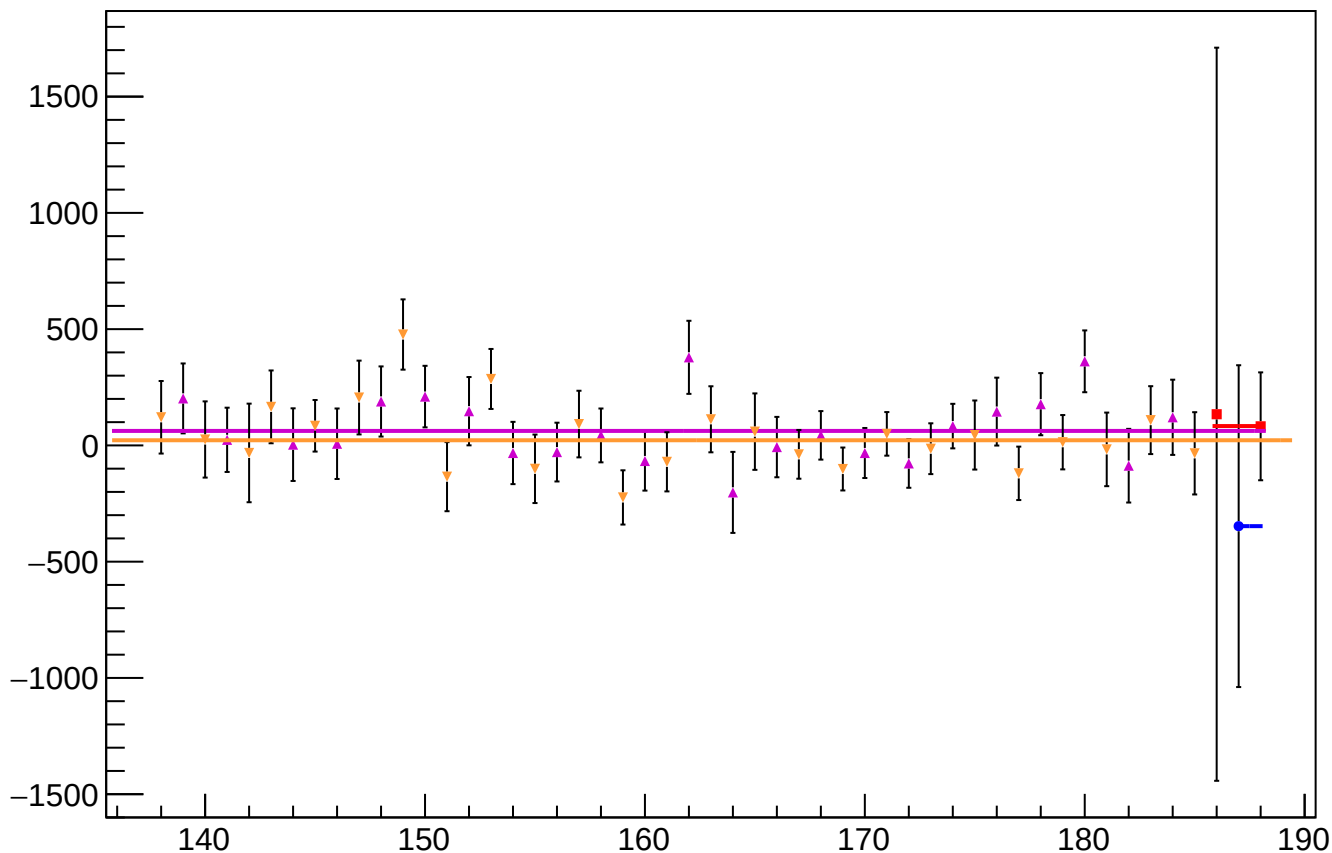
Right: 383.766 $\pm$ 0.273 χ^2 /NDF: 645111.3/2

In: 345.171 $\pm$ 0.059 χ^2 /NDF: 547937.3/23

Out: 345.470 $\pm$ 0.056 χ^2 /NDF: 1039274.8/26

All: 345.327 $\pm$ 0.041 χ^2 /NDF: 1587225.5/50

dit_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: -347.208+/-691.999 χ^2/NDF : 0.0/0

Left Out: 22.164+/-26.284 χ^2/NDF :28.1/24

Right Out: 83.205+/-229.509 χ^2/NDF : 0.0/1

Left In: 62.310+/-27.398 χ^2/NDF :22.0/22

Left: 41.404+/-18.967 χ^2/NDF : 51.2/47

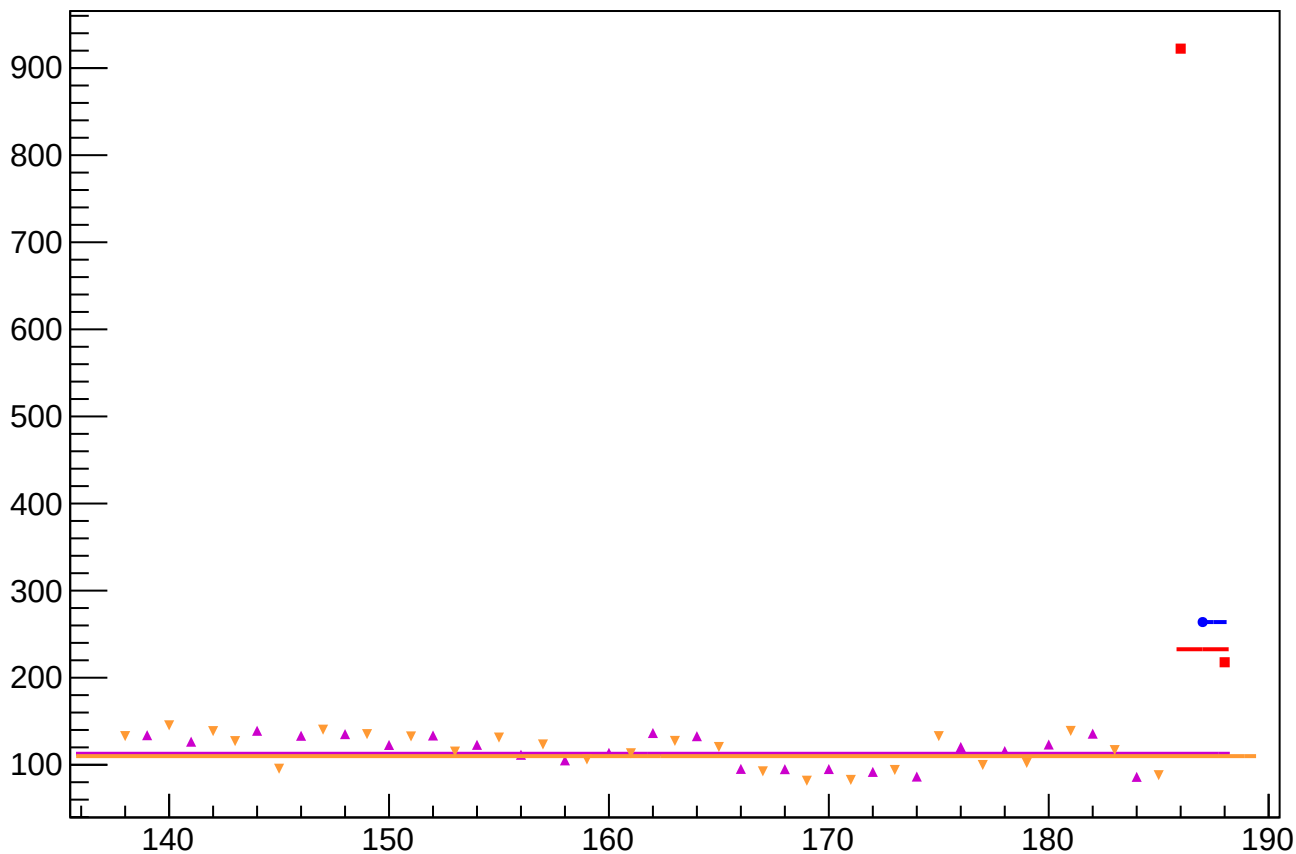
Right: 40.552+/-217.841 χ^2/NDF : 0.3/2

In: 61.669+/-27.377 χ^2/NDF :22.4/23

Out: 22.954+/-26.113 χ^2/NDF :28.1/26

All: 41.398+/-18.896 χ^2/NDF : 51.6/50

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 263.896 $\pm$ 0.489 χ^2 /NDF: 0.0/0

Left Out: 109.953 $\pm$ 0.019 χ^2 /NDF:1140626.9/24

Right Out: 232.676 $\pm$ 0.162 χ^2 /NDF: 391047.6/1

Left In: 112.657 $\pm$ 0.019 χ^2 /NDF:835831.1/22

Left: 111.249 $\pm$ 0.013 χ^2 /NDF: 1986605.7/47

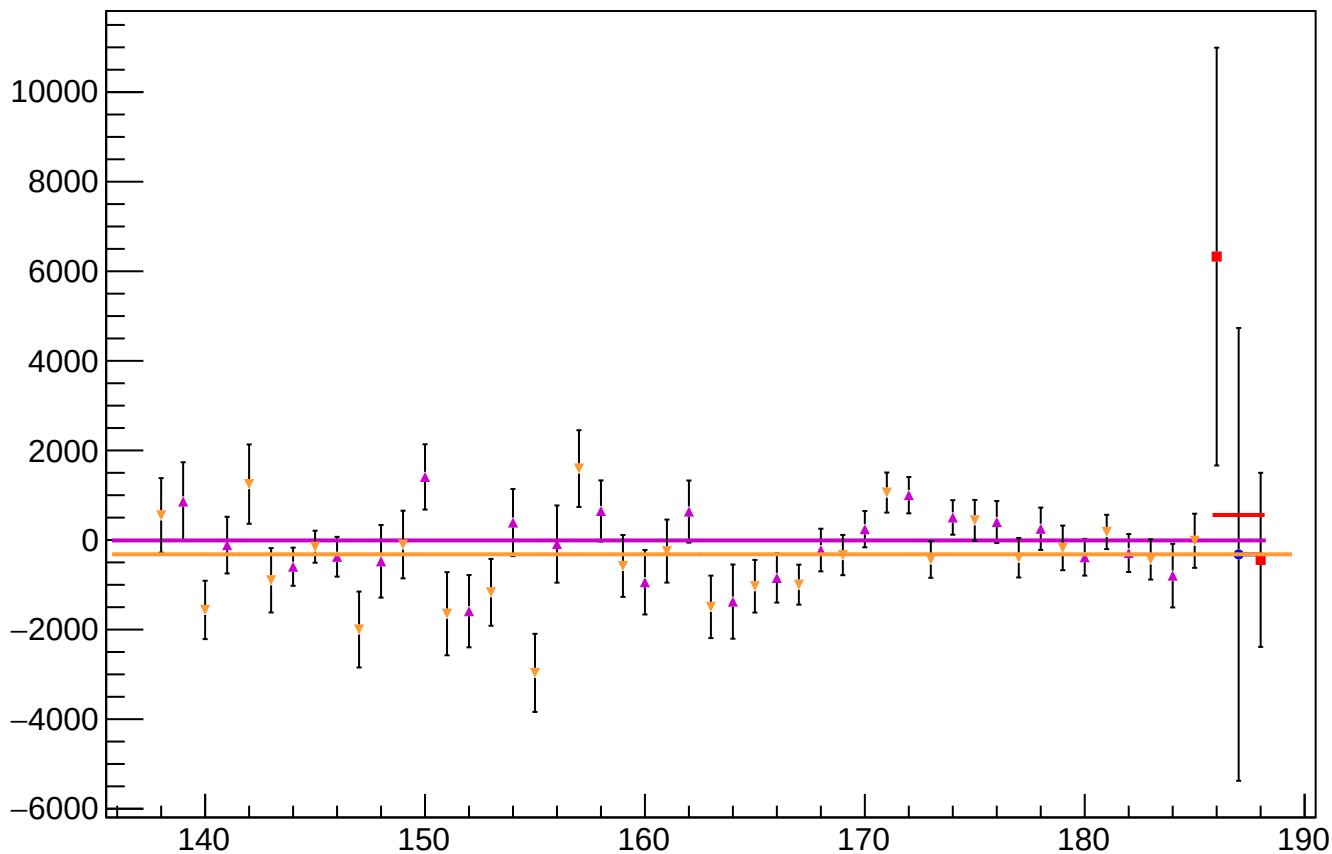
Right: 235.770 $\pm$ 0.154 χ^2 /NDF: 394715.2/2

In: 112.894 $\pm$ 0.019 χ^2 /NDF:931213.4/23

Out: 111.541 $\pm$ 0.018 χ^2 /NDF:2096120.4/26

All: 112.186 $\pm$ 0.013 χ^2 /NDF: 3029889.4/50

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -321.221 $\pm$ 5054.780 χ^2 /NDF: 0.0/0

Left Out: -319.391 $\pm$ 110.306 χ^2 /NDF: 51.5/24

Right Out: 558.942 $\pm$ 1794.057 χ^2 /NDF: 1.8/1

Left In: -9.462 $\pm$ 112.340 χ^2 /NDF: 32.5/22

Left: -167.259 $\pm$ 78.707 χ^2 /NDF: 87.9/47

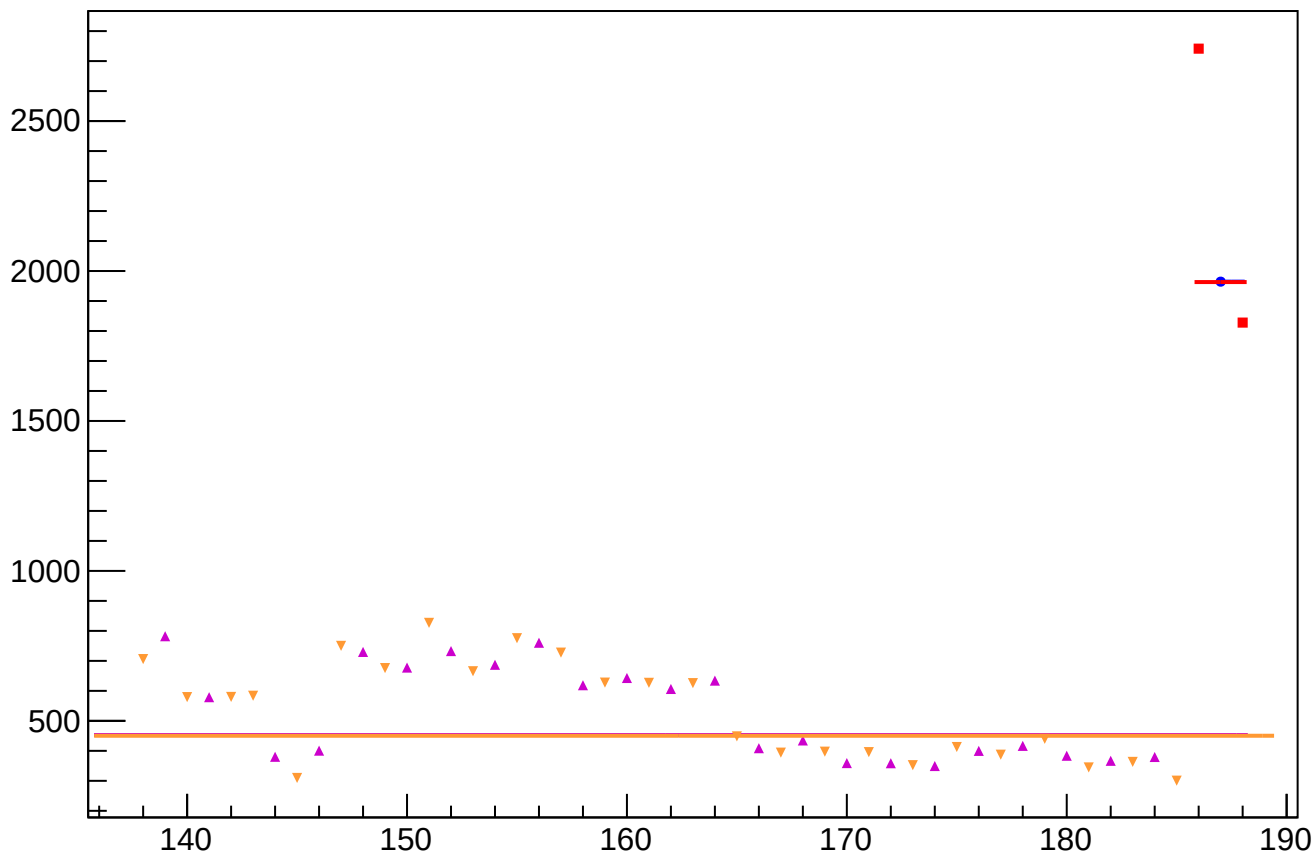
Right: 460.472 $\pm$ 1690.724 χ^2 /NDF: 1.8/2

In: -9.616 $\pm$ 112.312 χ^2 /NDF: 32.5/23

Out: -316.083 $\pm$ 110.098 χ^2 /NDF: 53.6/26

All: -165.901 $\pm$ 78.622 χ^2 /NDF: 89.9/50

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1964.500 $\pm$ 3.574 χ^2 /NDF: 0.0/0

Left Out: 450.363 $\pm$ 0.078 χ^2 /NDF:3096435.8/24

Right Out: 1963.153 $\pm$ 1.269 χ^2 /NDF: 65359.9/1

Left In: 452.694 $\pm$ 0.079 χ^2 /NDF:2586032.2/22

Left: 451.507 $\pm$ 0.056 χ^2 /NDF: 5682906.4/47

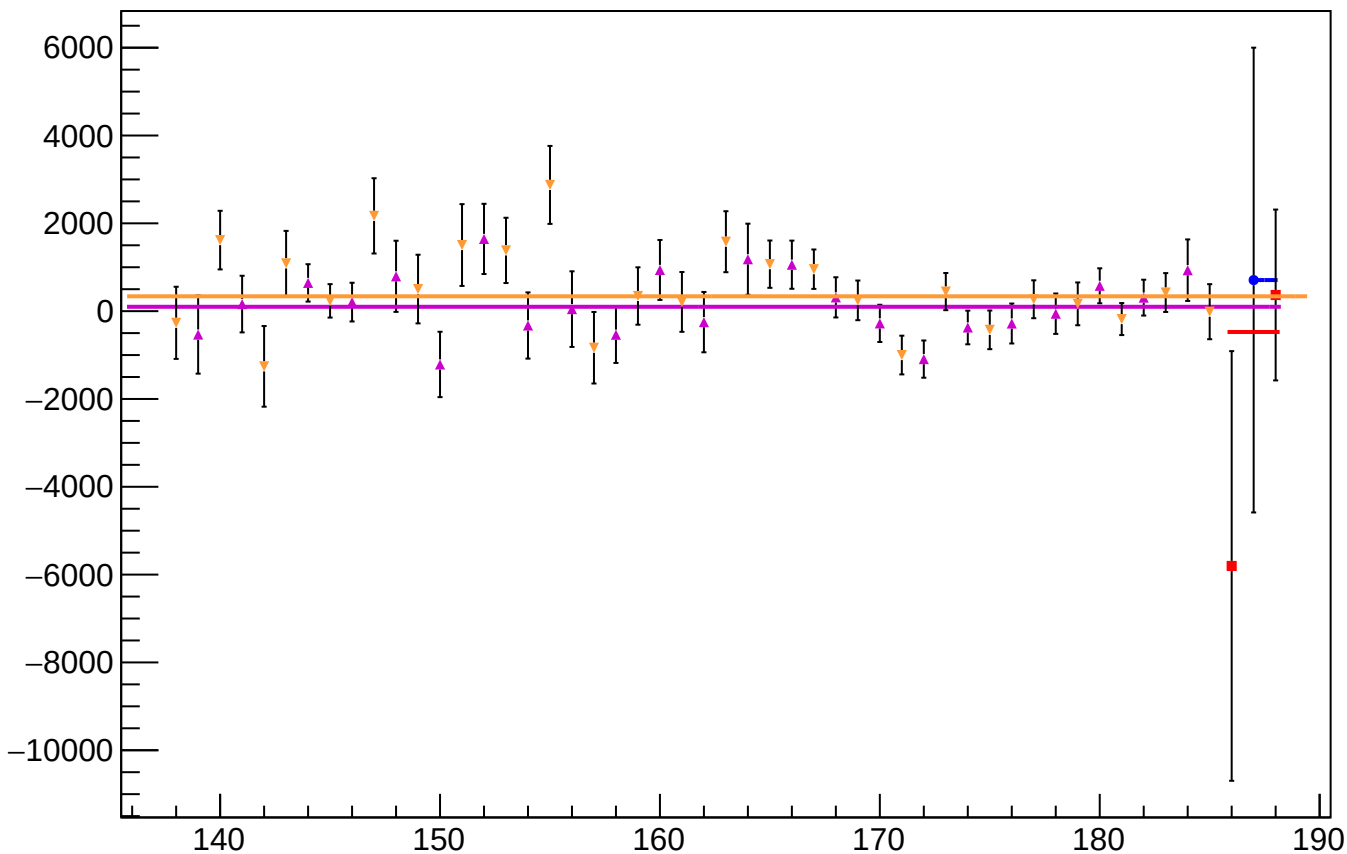
Right: 1963.304 $\pm$ 1.196 χ^2 /NDF: 65360.0/2

In: 453.440 $\pm$ 0.079 χ^2 /NDF:2764846.9/23

Out: 456.060 $\pm$ 0.078 χ^2 /NDF:4578491.3/26

All: 454.776 $\pm$ 0.056 χ^2 /NDF: 7343893.1/50

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 707.944 $\pm$ 5292.618 χ^2 /NDF: 0.0/0

Left Out: 337.948 $\pm$ 109.831 χ^2 /NDF:48.6/24

Right Out: -474.538 $\pm$ 1807.825 χ^2 /NDF: 1.4/1

Left In: 99.475 $\pm$ 111.475 χ^2 /NDF:32.1/22

Left: 220.483 $\pm$ 78.237 χ^2 /NDF: 83.0/47

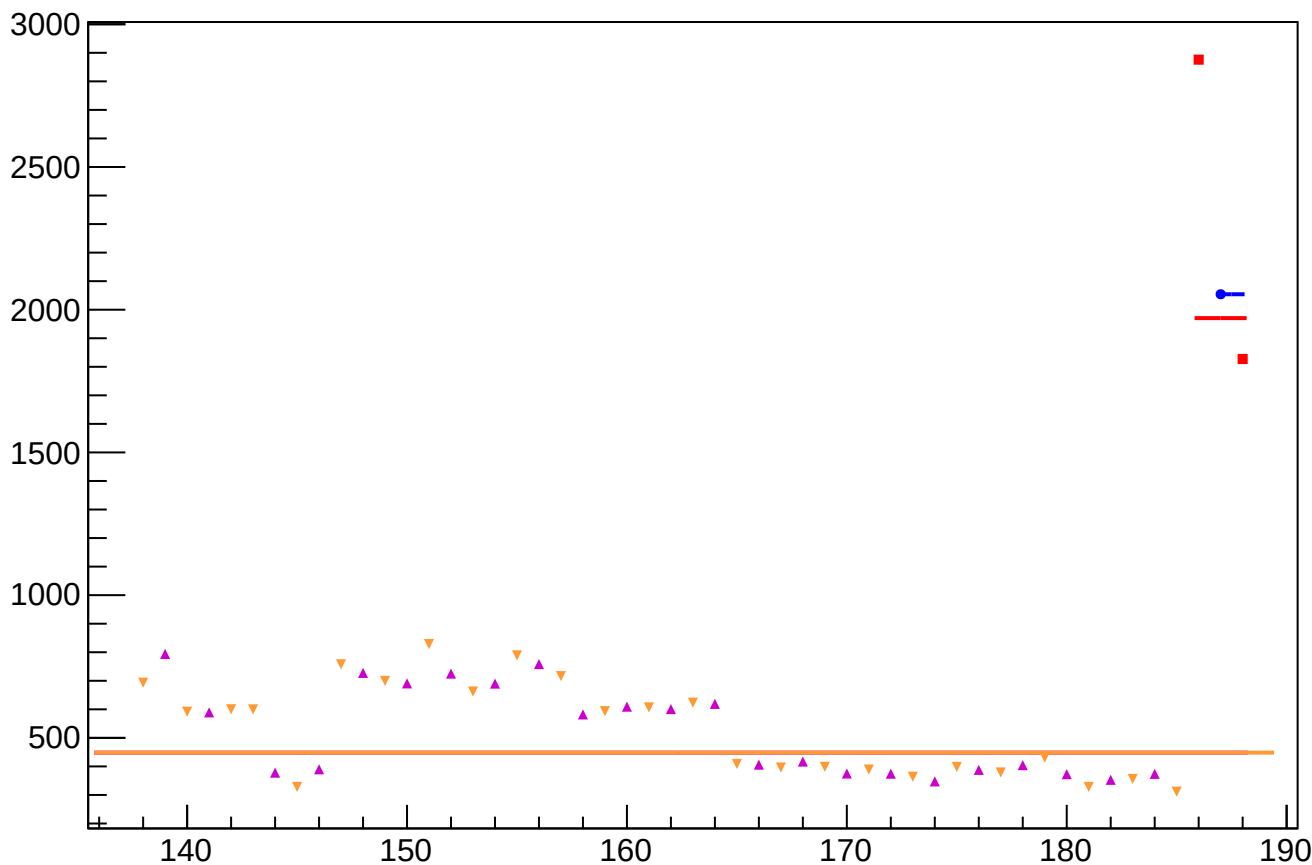
Right: -350.988 $\pm$ 1710.777 χ^2 /NDF: 1.4/2

In: 99.745 $\pm$ 111.450 χ^2 /NDF:32.1/23

Out: 334.960 $\pm$ 109.629 χ^2 /NDF:50.1/26

All: 219.290 $\pm$ 78.155 χ^2 /NDF: 84.5/50

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 2054.143 $\pm$ 3.742 χ^2 /NDF: 0.0/0

Left Out: 448.397 $\pm$ 0.078 χ^2 /NDF:3077183.0/24

Right Out: 1970.563 $\pm$ 1.278 χ^2 /NDF: 79322.0/1

Left In: 448.238 $\pm$ 0.079 χ^2 /NDF:2563455.5/22

Left: 448.319 $\pm$ 0.055 χ^2 /NDF: 5640640.6/47

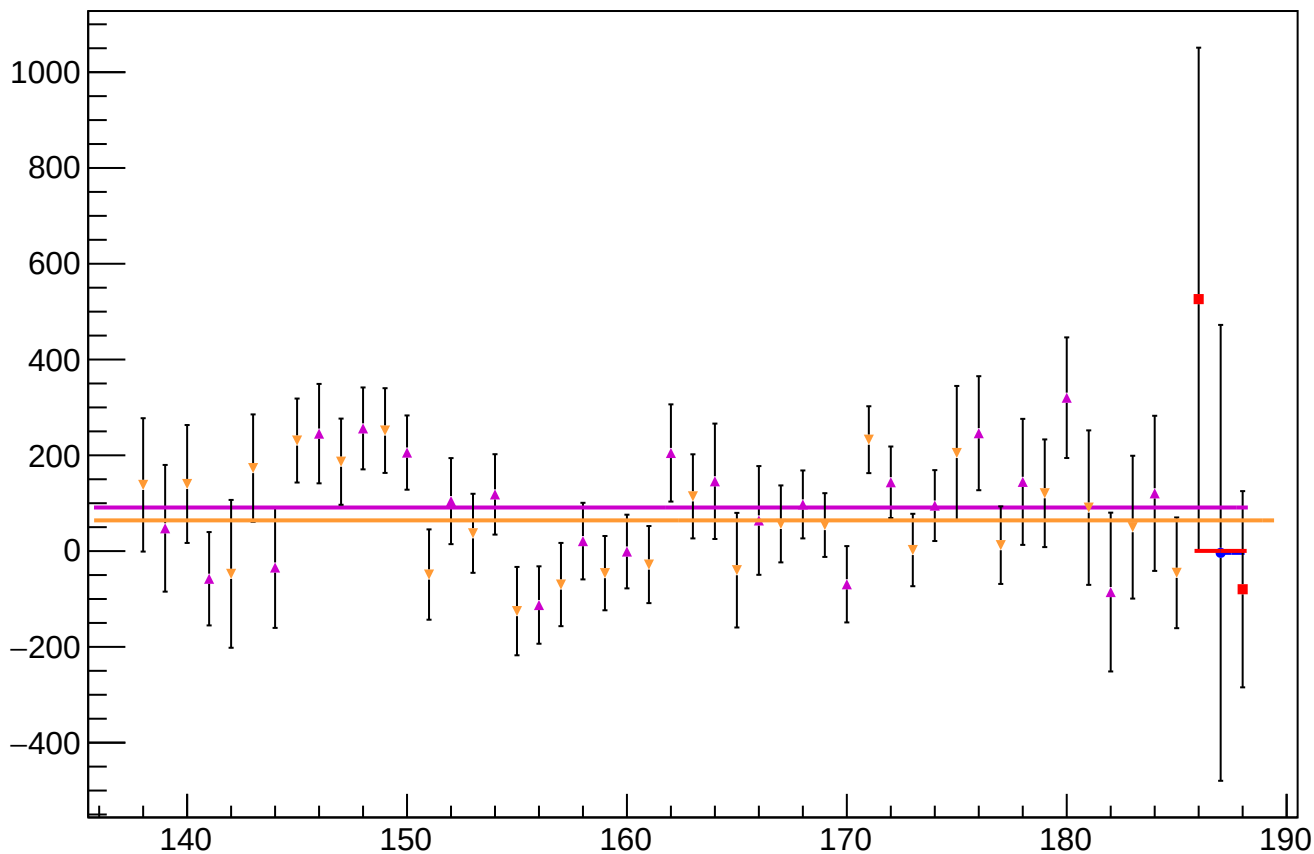
Right: 1979.296 $\pm$ 1.210 χ^2 /NDF: 79768.7/2

In: 448.950 $\pm$ 0.079 χ^2 /NDF:2747505.6/23

Out: 453.994 $\pm$ 0.078 χ^2 /NDF:4569177.5/26

All: 451.514 $\pm$ 0.055 χ^2 /NDF: 7318764.8/50

dit_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -3.663 ± 475.968 χ^2/NDF : 0.0/0

Left Out: 64.142 ± 18.728 χ^2/NDF : 33.8/24

Right Out: 0.420 ± 190.848 χ^2/NDF : 1.2/1

Left In: 91.028 ± 19.637 χ^2/NDF : 32.6/22

Left: 76.948 ± 13.553 χ^2/NDF : 67.4/47

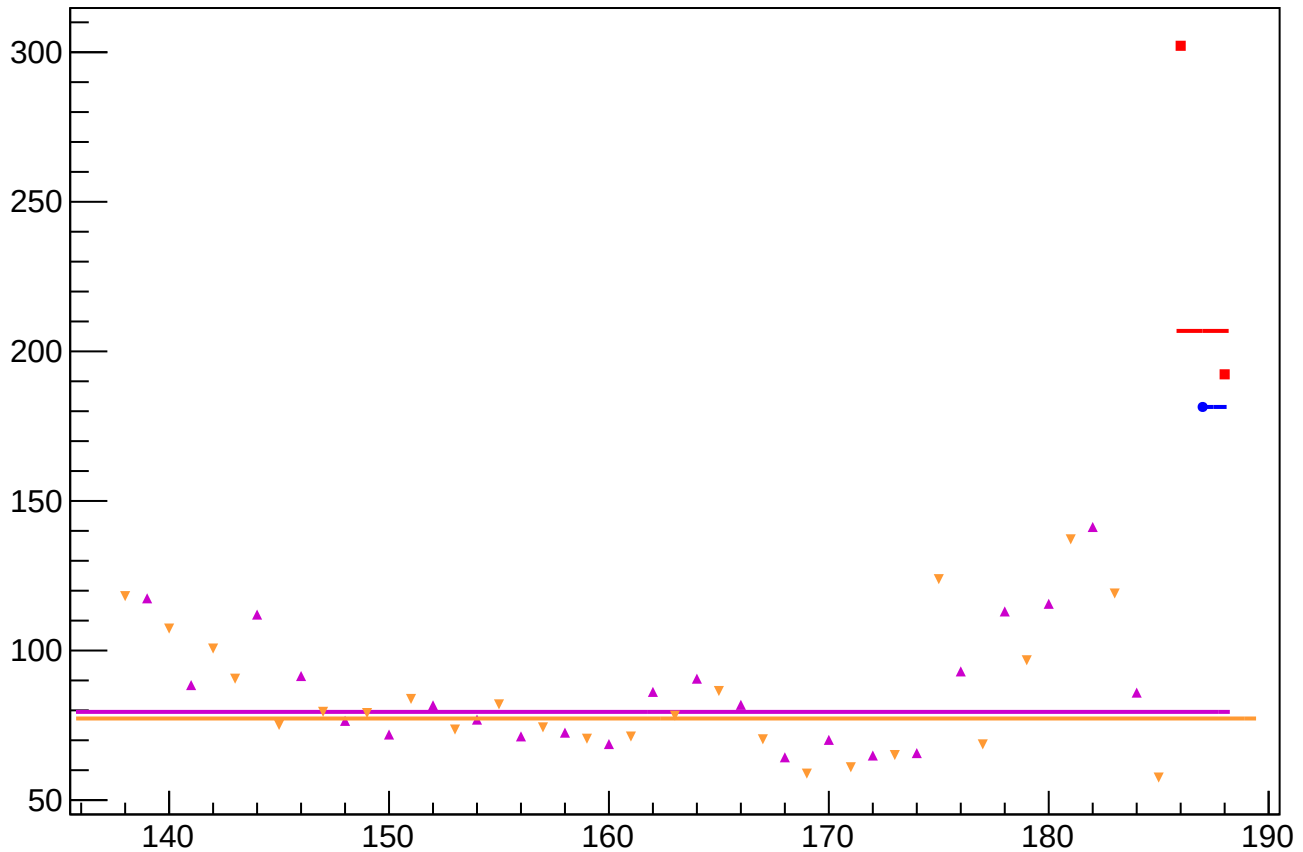
Right: -0.146 ± 177.139 χ^2/NDF : 1.2/2

In: 90.867 ± 19.621 χ^2/NDF : 32.7/23

Out: 63.534 ± 18.638 χ^2/NDF : 35.0/26

All: 76.499 ± 13.513 χ^2/NDF : 68.8/50

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 181.423 $\pm$ 0.337 χ^2 /NDF: 0.0/0

Left Out: 77.280 $\pm$ 0.013 χ^2 /NDF:1553410.1/24

Right Out: 206.842 $\pm$ 0.135 χ^2 /NDF: 75953.4/1

Left In: 79.491 $\pm$ 0.014 χ^2 /NDF:1333774.9/22

Left: 78.333 $\pm$ 0.010 χ^2 /NDF: 2900472.8/47

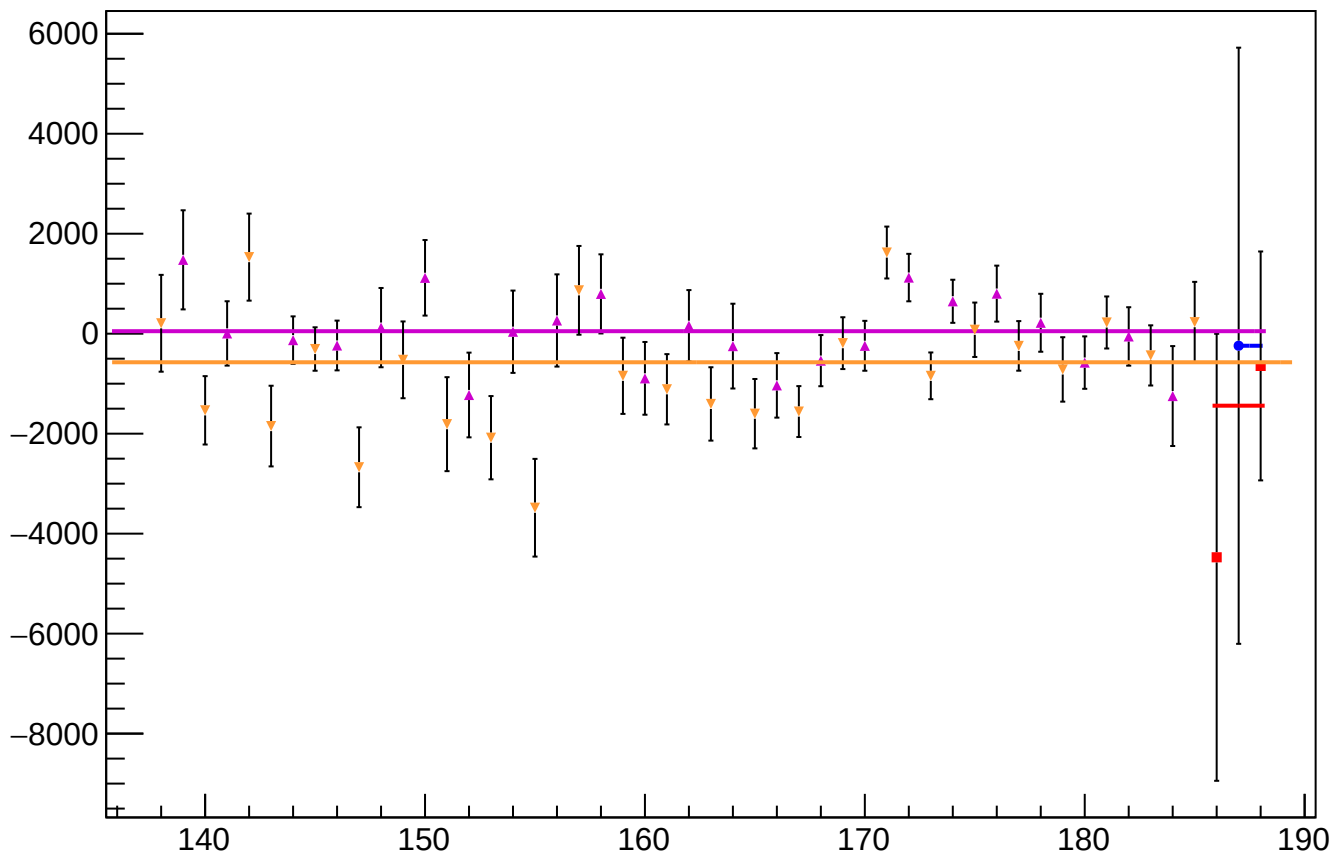
Right: 203.321 $\pm$ 0.125 χ^2 /NDF: 80867.4/2

In: 79.665 $\pm$ 0.014 χ^2 /NDF:1425345.2/23

Out: 78.515 $\pm$ 0.013 χ^2 /NDF:2542324.1/26

All: 79.061 $\pm$ 0.010 χ^2 /NDF: 3971277.0/50

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -241.319+/-5962.902 χ^2/NDF : 0.0/0

Left Out: -571.669+/-128.158 χ^2/NDF : 66.8/24

Right Out: -1440.323+/-2037.972 χ^2/NDF : 0.6/1

Left In: 50.077+/-129.187 χ^2/NDF : 26.1/22

Left: -263.282+/-90.983 χ^2/NDF : 104.6/47

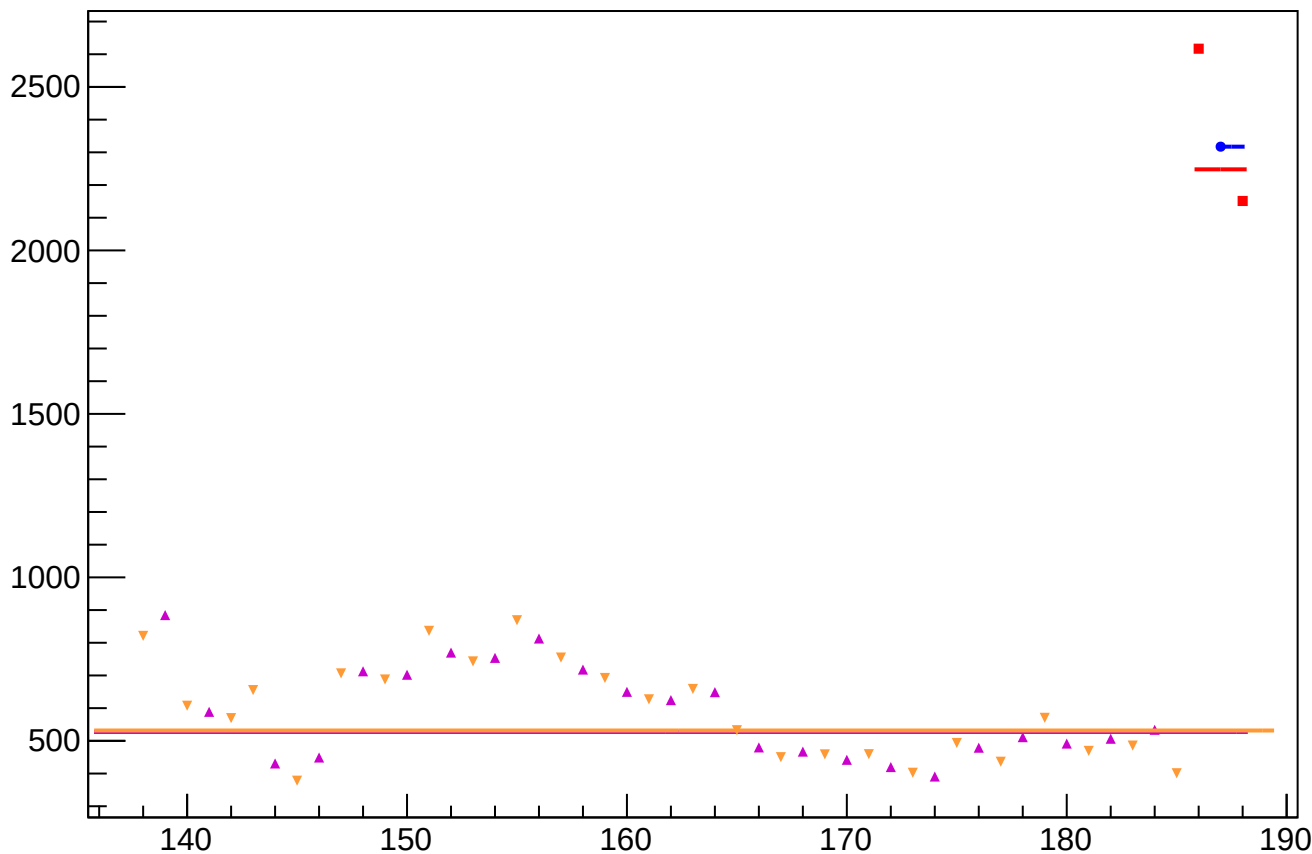
Right: -1314.916+/-1928.451 χ^2/NDF : 0.6/2

In: 49.940+/-129.156 χ^2/NDF : 26.2/23

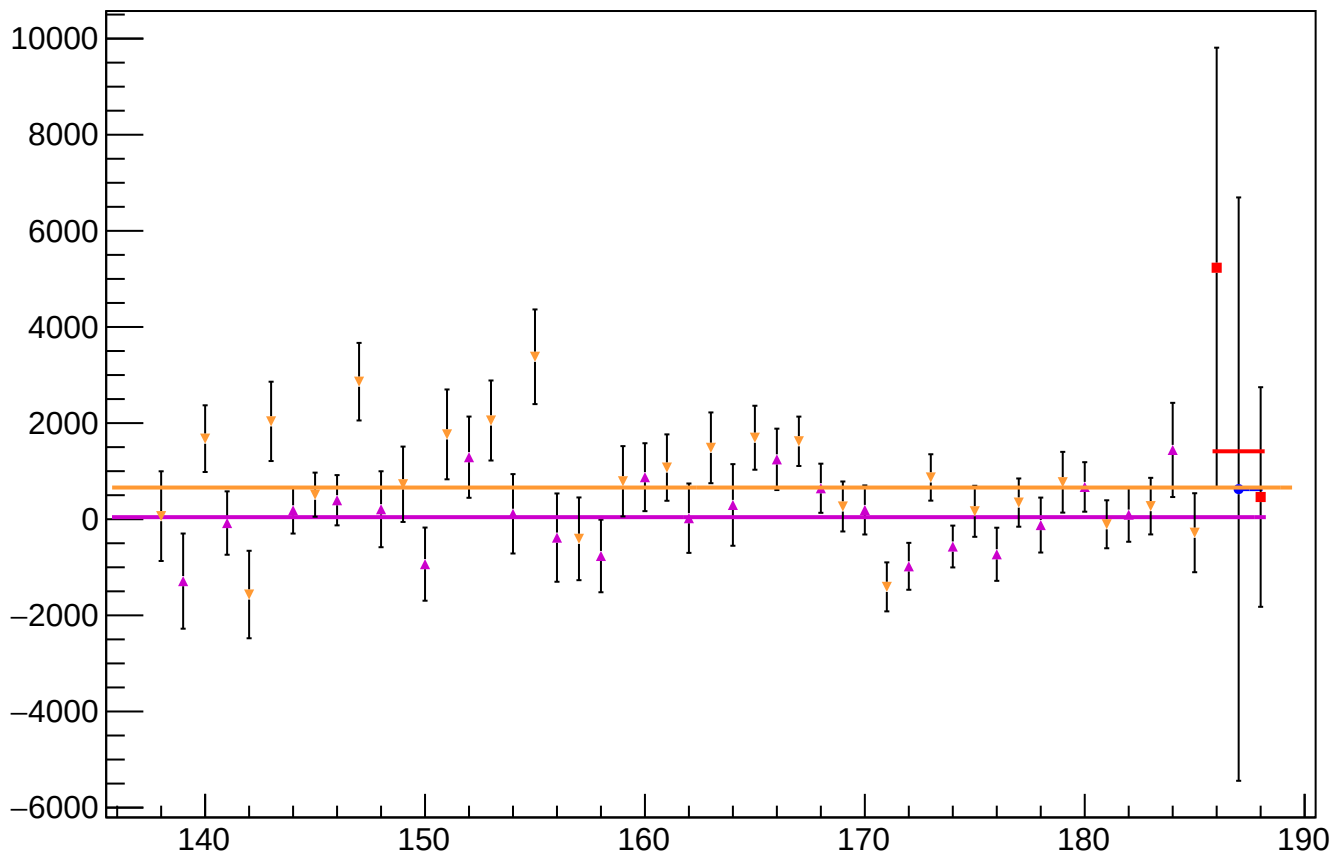
Out: -575.090+/-127.905 χ^2/NDF : 67.5/26

All: -265.617+/-90.882 χ^2/NDF : 105.5/50

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 626.605 $\pm$ 6068.801 χ^2 /NDF: 0.0/0

Left Out: 659.523 $\pm$ 128.164 χ^2 /NDF:62.4/24

Right Out: 1413.344 $\pm$ 2044.299 χ^2 /NDF: 0.9/1

Left In: 43.183 $\pm$ 129.538 χ^2 /NDF:26.0/22

Left: 354.638 $\pm$ 91.108 χ^2 /NDF: 99.9/47

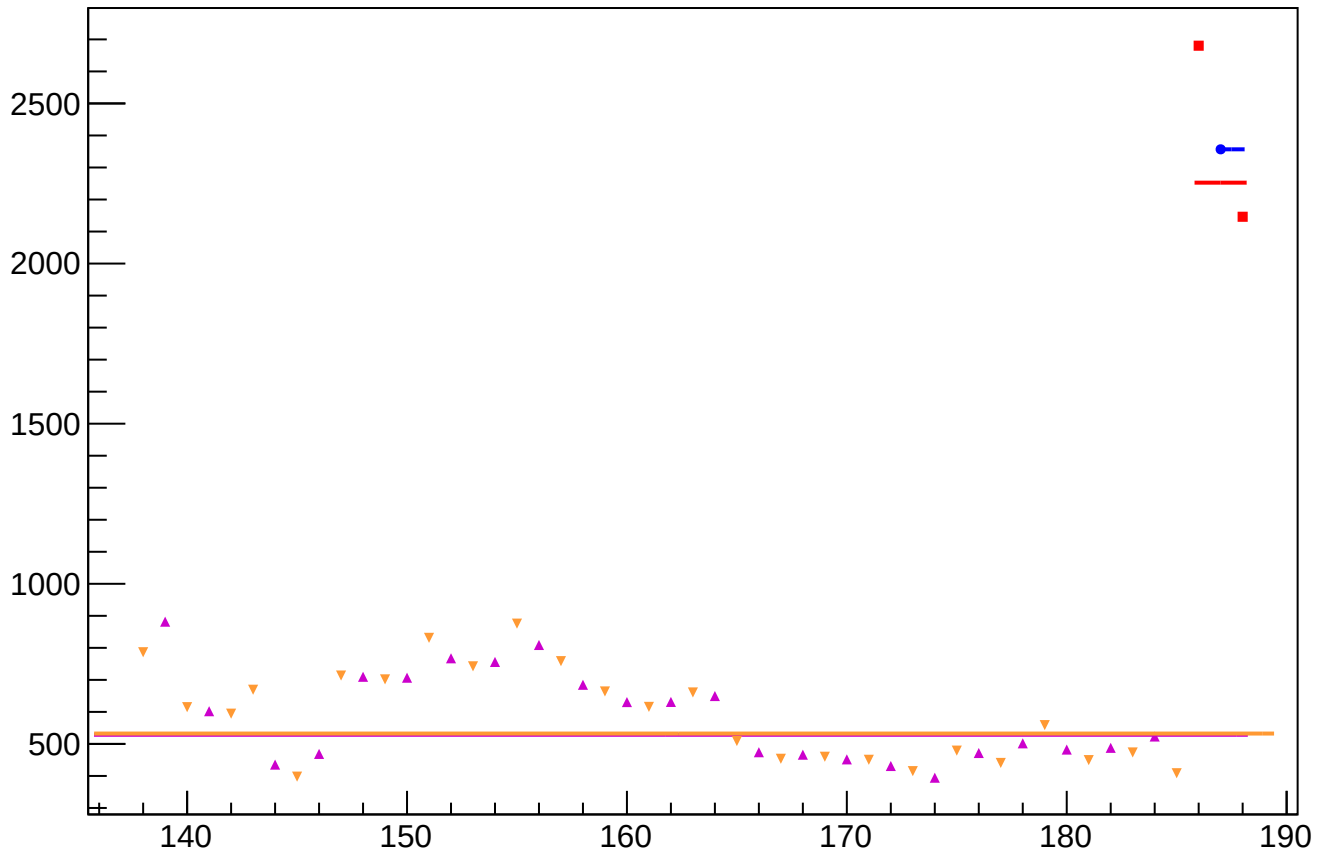
Right: 1333.169 $\pm$ 1937.336 χ^2 /NDF: 0.9/2

In: 43.449 $\pm$ 129.508 χ^2 /NDF:26.1/23

Out: 662.474 $\pm$ 127.913 χ^2 /NDF:63.4/26

All: 356.797 $\pm$ 91.007 χ^2 /NDF: 101.0/50

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 2356.743+/-4.291 χ^2/NDF : 0.0/0

Left Out: 532.393+/-0.091 χ^2/NDF :1943066.8/24

Right Out: 2252.645+/-1.446 χ^2/NDF : 21793.3/1

Left In: 528.464+/-0.092 χ^2/NDF :1712049.5/22

Left: 530.449+/-0.064 χ^2/NDF : 3656045.7/47

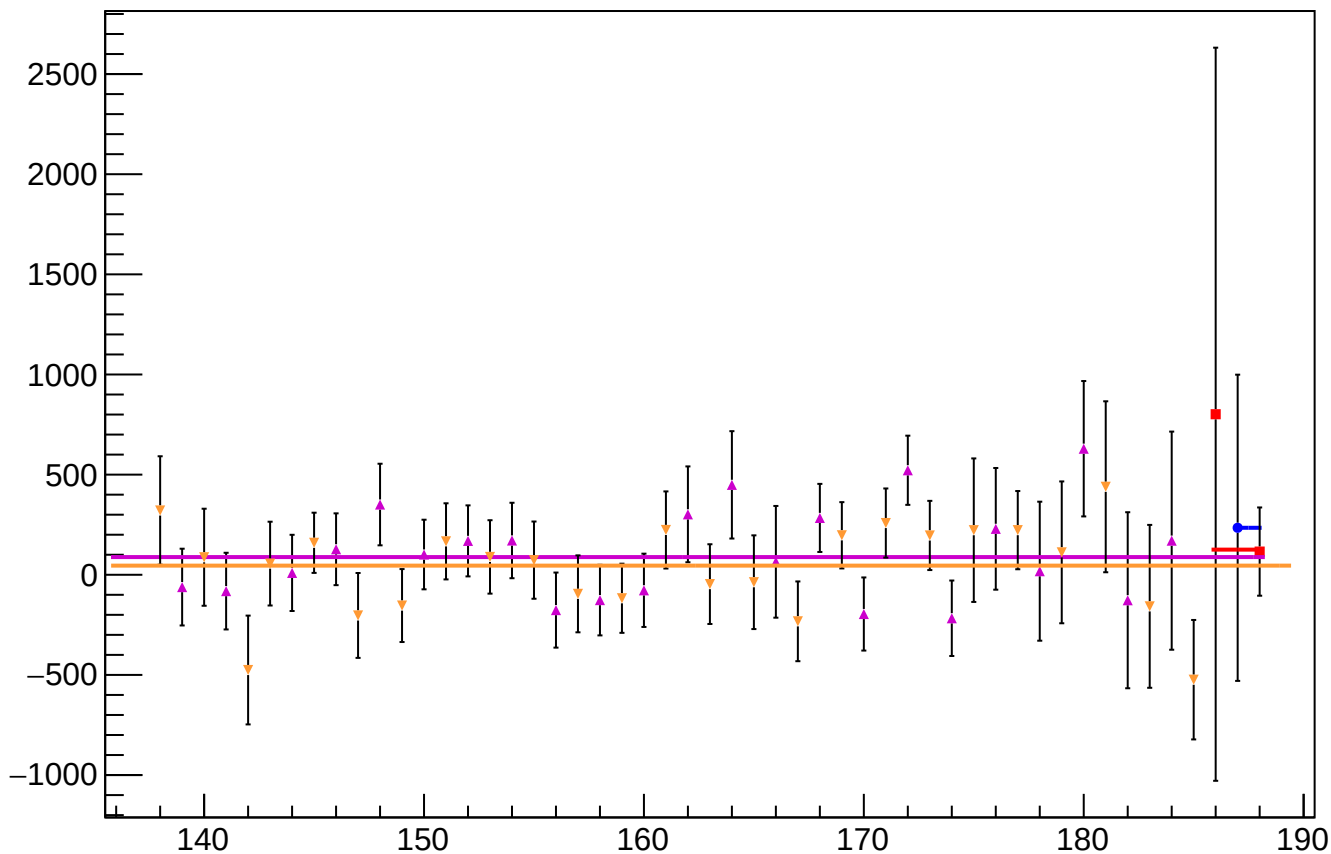
Right: 2263.253+/-1.370 χ^2/NDF : 22321.8/2

In: 529.297+/-0.092 χ^2/NDF :1893480.4/23

Out: 539.128+/-0.090 χ^2/NDF :3375517.9/26

All: 534.273+/-0.064 χ^2/NDF : 5274831.4/50

dit_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 234.621 $\pm$ 764.459 χ^2 /NDF: 0.0/0

Left Out: 45.675 $\pm$ 41.779 χ^2 /NDF:21.9/24

Right Out: 125.576 $\pm$ 218.725 χ^2 /NDF: 0.1/1

Left In: 88.356 $\pm$ 43.518 χ^2 /NDF:26.4/22

Left: 66.145 $\pm$ 30.138 χ^2 /NDF: 48.8/47

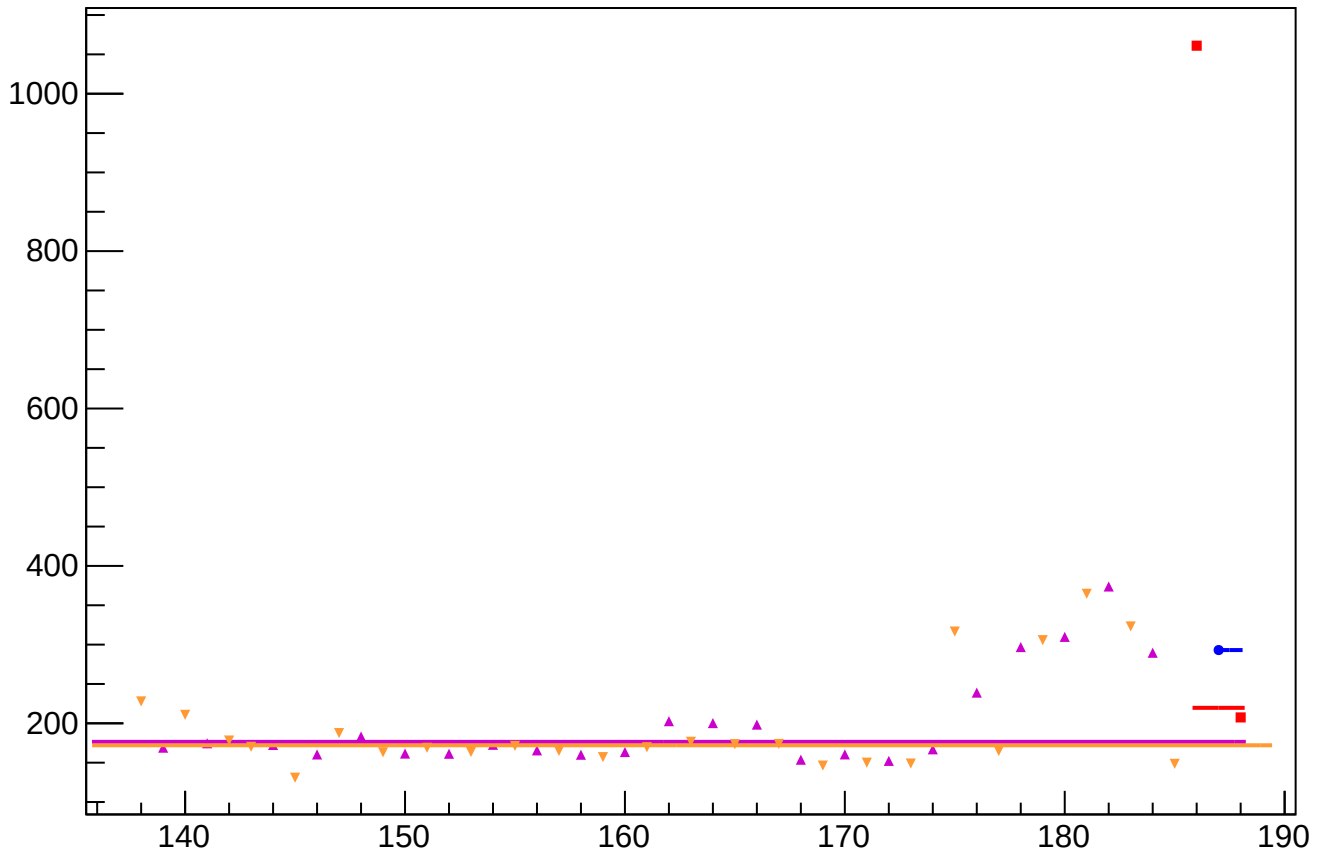
Right: 133.828 $\pm$ 210.287 χ^2 /NDF: 0.2/2

In: 88.828 $\pm$ 43.448 χ^2 /NDF:26.4/23

Out: 48.488 $\pm$ 41.037 χ^2 /NDF:22.2/26

All: 67.508 $\pm$ 29.833 χ^2 /NDF: 49.0/50

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 293.079+/-0.541 χ^2/NDF : 0.0/0

Left Out: 172.097+/-0.030 χ^2/NDF :1752497.1/24

Right Out: 219.679+/-0.155 χ^2/NDF : 428768.4/1

Left In: 176.425+/-0.031 χ^2/NDF :1360607.7/22

Left: 174.173+/-0.021 χ^2/NDF : 3123399.2/47

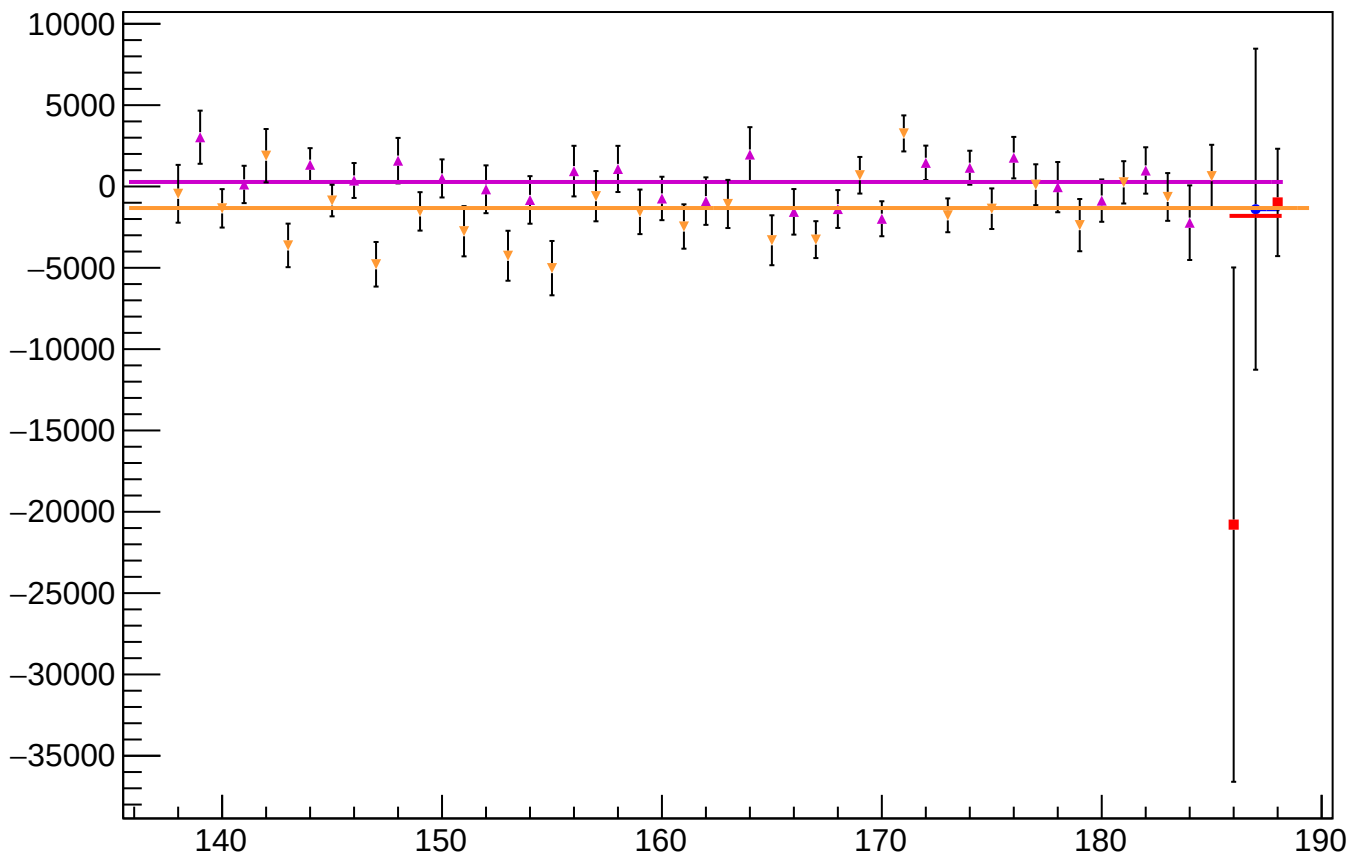
Right: 225.233+/-0.149 χ^2/NDF : 445811.3/2

In: 176.802+/-0.031 χ^2/NDF :1407028.9/23

Out: 173.772+/-0.029 χ^2/NDF :2272583.4/26

All: 175.200+/-0.021 χ^2/NDF : 3684753.1/50

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -1396.663 $\pm$ 9869.299 χ^2 /NDF: 0.0/0

Left Out: -1324.367 $\pm$ 265.950 χ^2 /NDF:53.6/24

Right Out: -1807.655 $\pm$ 3230.544 χ^2 /NDF: 1.5/1

Left In: 276.678 $\pm$ 270.547 χ^2 /NDF:22.0/22

Left: -537.562 $\pm$ 189.659 χ^2 /NDF: 93.5/47

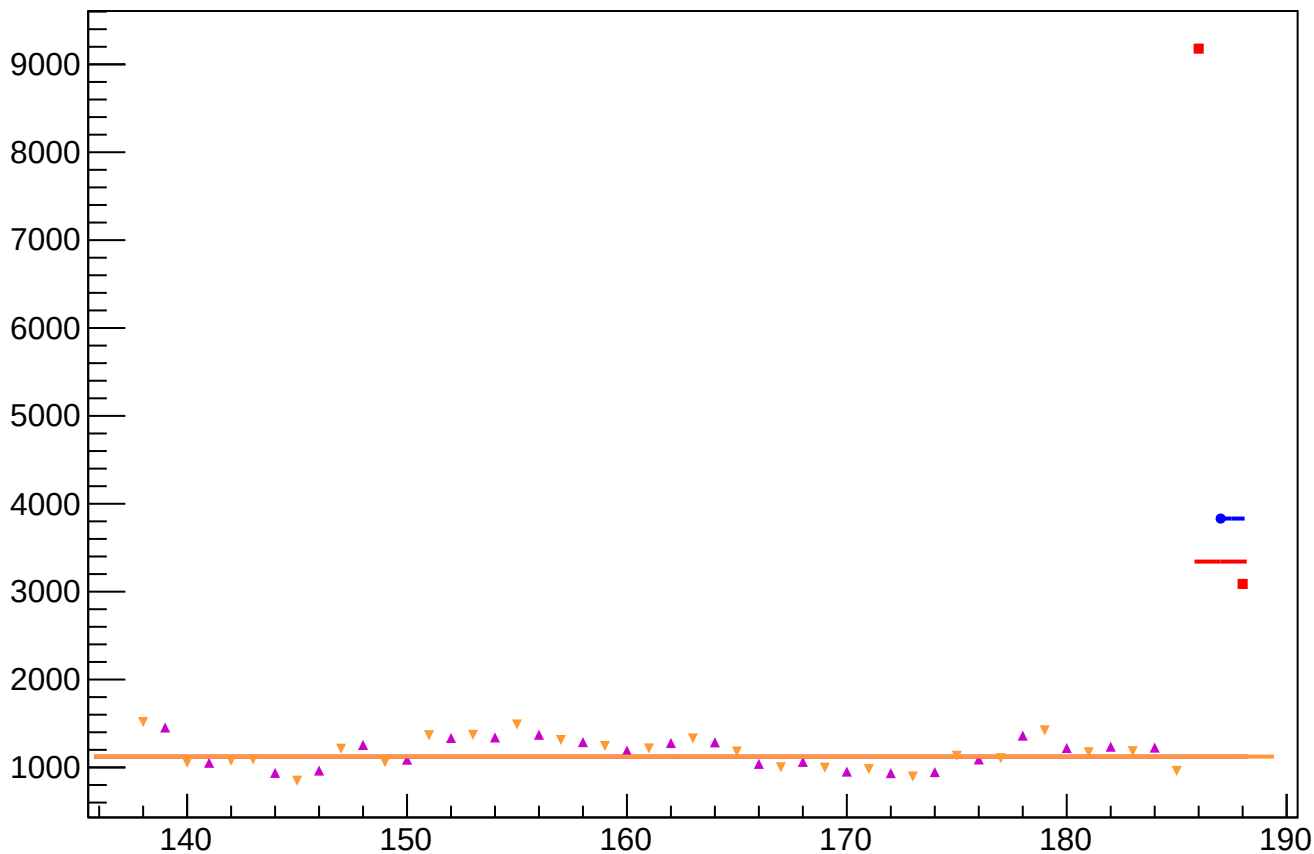
Right: -1767.880 $\pm$ 3070.246 χ^2 /NDF: 1.5/2

In: 275.421 $\pm$ 270.445 χ^2 /NDF:22.0/23

Out: -1327.620 $\pm$ 265.053 χ^2 /NDF:55.1/26

All: -542.239 $\pm$ 189.298 χ^2 /NDF: 95.1/50

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 3831.746+/-6.979 χ^2/NDF : 0.0/0

Left Out: 1123.022+/-0.188 χ^2/NDF : 842393.5/24

Right Out: 3342.181+/-2.284 χ^2/NDF : 284416.6/1

Left In: 1123.148+/-0.191 χ^2/NDF : 689778.4/22

Left: 1123.084+/-0.134 χ^2/NDF : 1532172.1/47

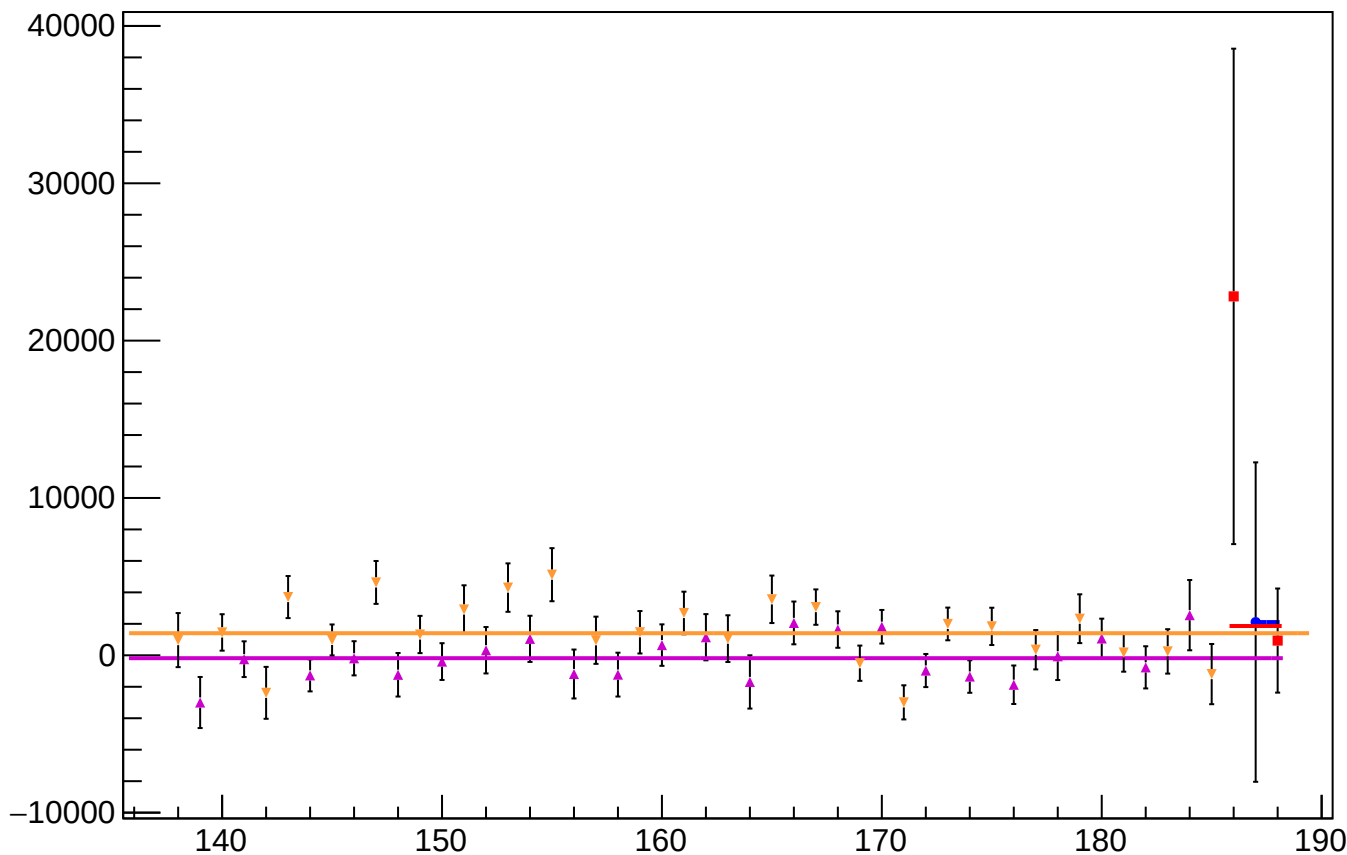
Right: 3389.559+/-2.171 χ^2/NDF : 288861.6/2

In: 1125.182+/-0.191 χ^2/NDF : 840307.4/23

Out: 1137.960+/-0.187 χ^2/NDF : 2064203.7/26

All: 1131.700+/-0.134 χ^2/NDF : 2906788.7/50

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 2111.622 $\pm$ 10151.201 χ^2/NDF : 0.0/0

Left Out: 1404.763 $\pm$ 262.517 χ^2/NDF : 53.1/24

Right Out: 1861.921 $\pm$ 3237.855 χ^2/NDF : 1.8/1

Left In: -183.249 $\pm$ 267.620 χ^2/NDF : 23.7/22

Left: 626.041 $\pm$ 187.406 χ^2/NDF : 94.8/47

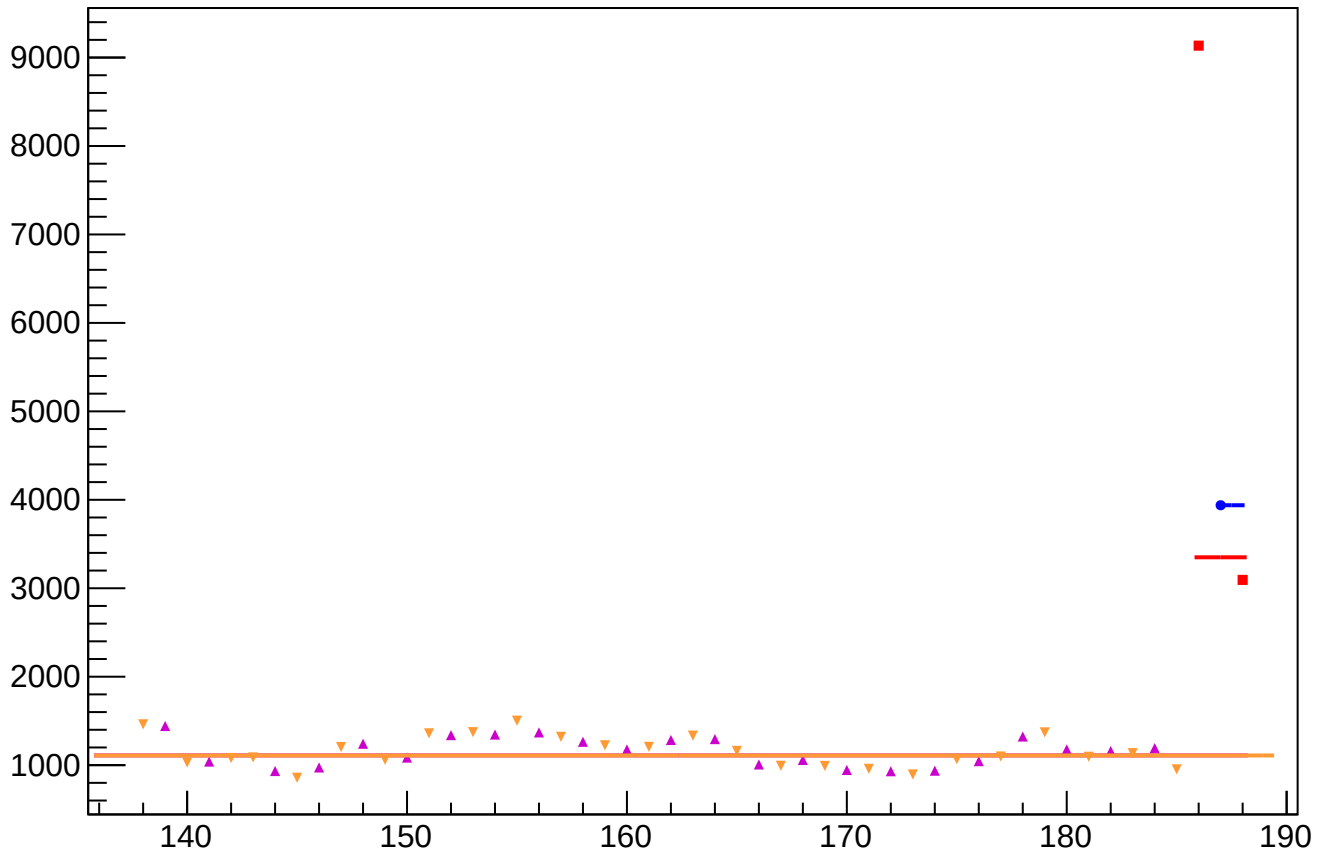
Right: 1884.979 $\pm$ 3084.738 χ^2/NDF : 1.8/2

In: -181.655 $\pm$ 267.527 χ^2/NDF : 23.8/23

Out: 1407.748 $\pm$ 261.659 χ^2/NDF : 55.0/26

All: 630.671 $\pm$ 187.061 χ^2/NDF : 96.8/50

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 3938.513+/-7.178 χ^2/NDF : 0.0/0

Left Out: 1109.574+/-0.186 χ^2/NDF : 812957.8/24

Right Out: 3349.902+/-2.290 χ^2/NDF : 281896.7/1

Left In: 1110.162+/-0.189 χ^2/NDF : 673229.2/22

Left: 1109.863+/-0.133 χ^2/NDF : 1486192.0/47

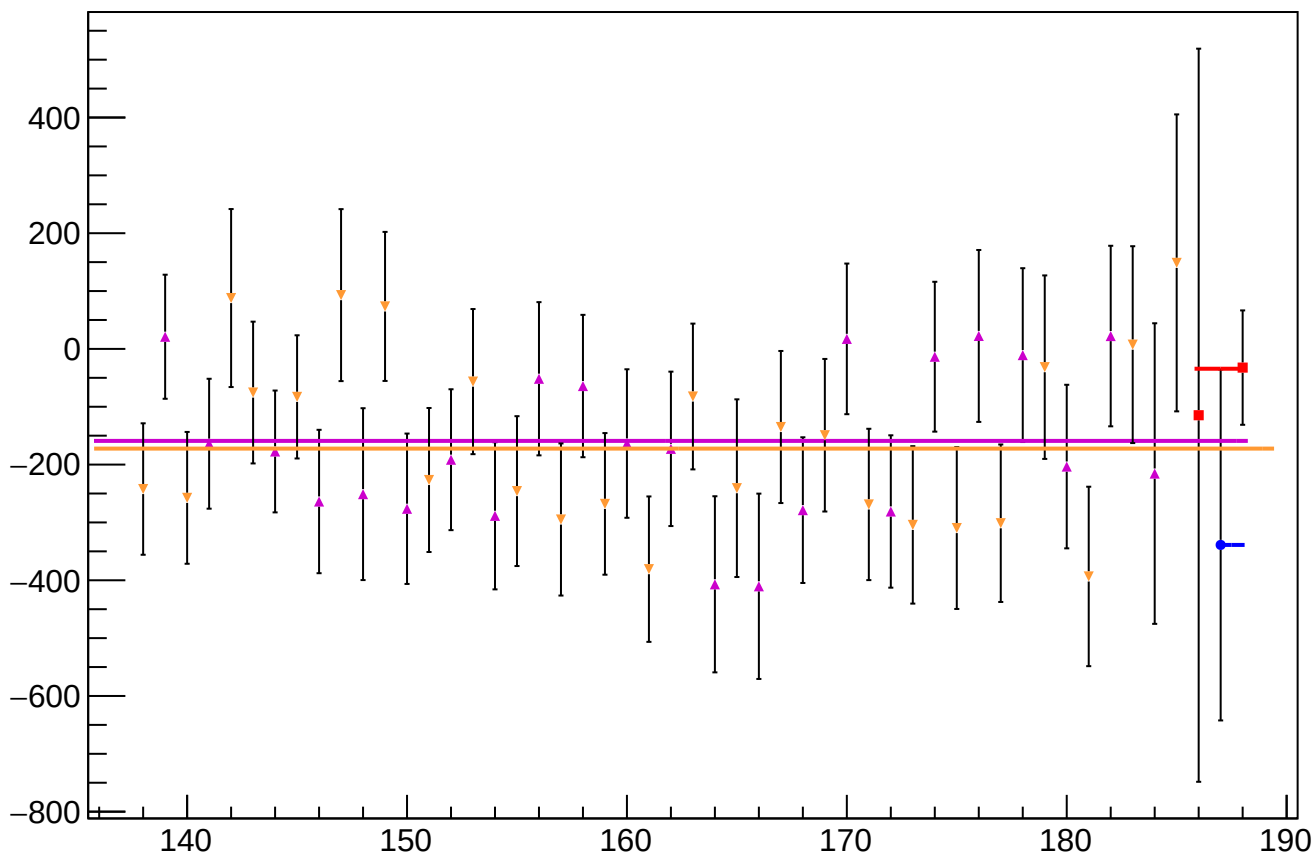
Right: 3404.256+/-2.181 χ^2/NDF : 288000.1/2

In: 1112.127+/-0.189 χ^2/NDF : 828382.2/23

Out: 1124.205+/-0.185 χ^2/NDF : 2046100.6/26

All: 1118.300+/-0.132 χ^2/NDF : 2876566.5/50

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -338.889+/-303.418 χ^2/NDF : 0.0/0

Left Out: -172.357+/-26.709 χ^2/NDF :27.2/24

Right Out: -34.289+/-97.688 χ^2/NDF : 0.0/1

Left In: -159.044+/-27.608 χ^2/NDF :21.1/22

Left: -165.921+/-19.196 χ^2/NDF : 48.4/47

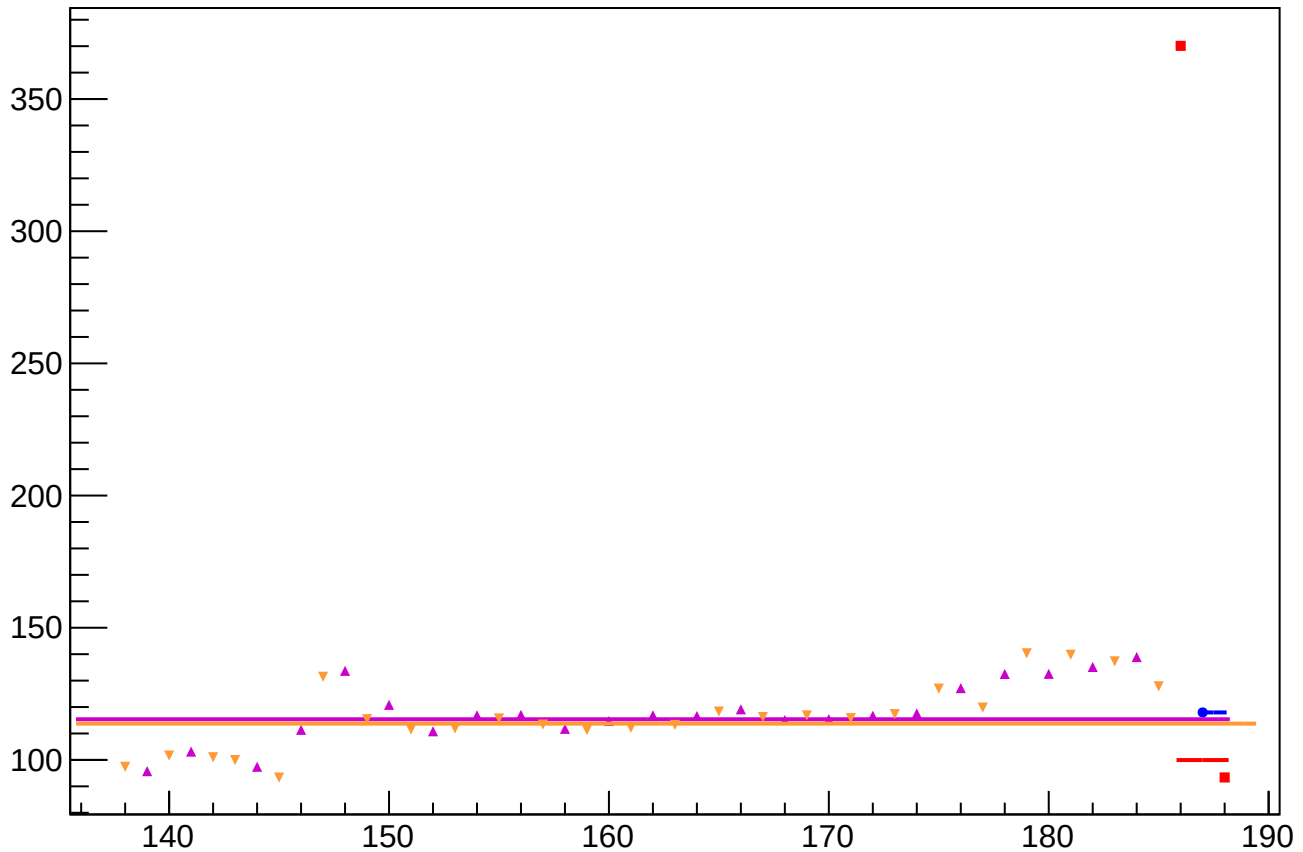
Right: -62.897+/-92.987 χ^2/NDF : 0.9/2

In: -160.520+/-27.494 χ^2/NDF :21.4/23

Out: -162.753+/-25.764 χ^2/NDF :29.1/26

All: -161.709+/-18.800 χ^2/NDF : 50.5/50

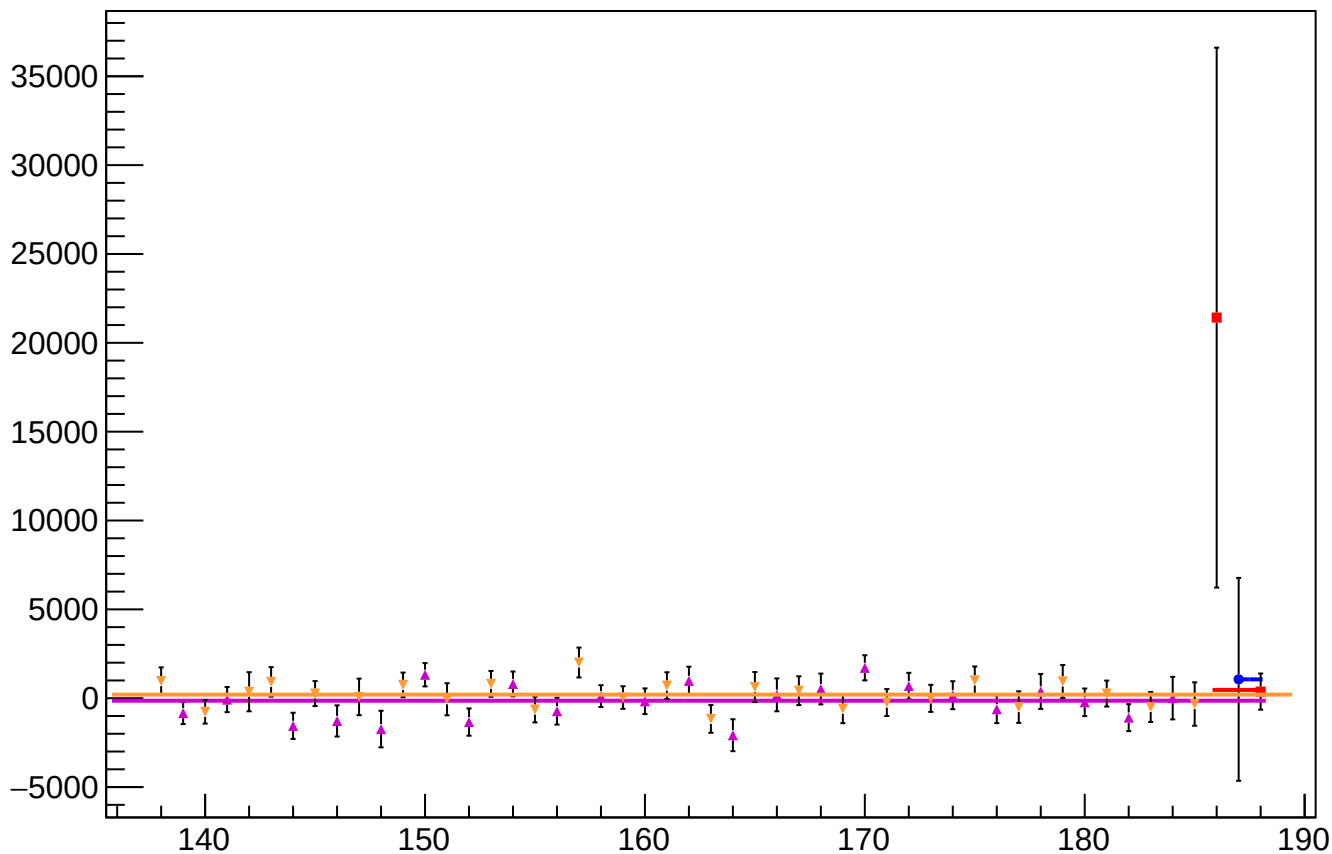
dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 117.962 $\pm$ 0.215 χ^2 /NDF: 0.0/0
 Left Out: 113.727 $\pm$ 0.019 χ^2 /NDF: 392153.8/24
 Right Out: 99.948 $\pm$ 0.069 χ^2 /NDF: 372374.6/1
 Left In: 115.377 $\pm$ 0.020 χ^2 /NDF: 309034.7/22

Left: 114.525 $\pm$ 0.014 χ^2 /NDF: 704876.2/47
 Right: 101.640 $\pm$ 0.066 χ^2 /NDF: 378761.8/2
 In: 115.398 $\pm$ 0.019 χ^2 /NDF: 309178.7/23
 Out: 112.769 $\pm$ 0.018 χ^2 /NDF: 801551.3/26
 All: 113.998 $\pm$ 0.013 χ^2 /NDF: 1120467.5/50

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: 1062.045 $\pm$ 5709.122 χ^2 /NDF: 0.0/0

Left Out: 202.466 $\pm$ 159.030 χ^2 /NDF:19.8/24

Right Out: 467.204 $\pm$ 1014.594 χ^2 /NDF: 1.9/1

Left In: -140.039 $\pm$ 161.024 χ^2 /NDF:36.9/22

Left: 33.348 $\pm$ 113.149 χ^2 /NDF: 58.9/47

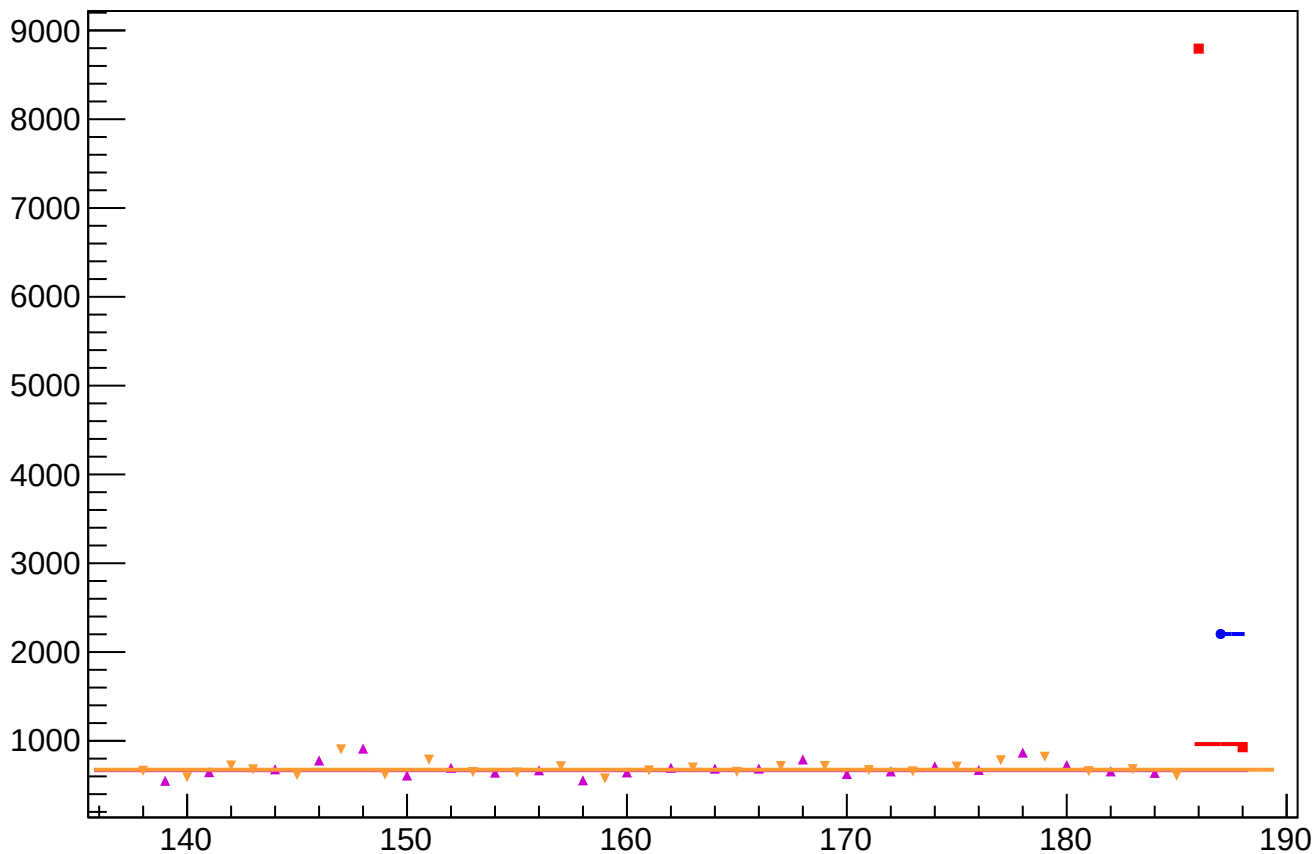
Right: 485.416 $\pm$ 998.942 χ^2 /NDF: 1.9/2

In: -139.083 $\pm$ 160.960 χ^2 /NDF:36.9/23

Out: 208.814 $\pm$ 157.112 χ^2 /NDF:21.7/26

All: 39.074 $\pm$ 112.431 χ^2 /NDF: 61.1/50

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 2203.147+/-4.037 χ^2/NDF : 0.0/0

Left Out: 675.335+/-0.112 χ^2/NDF : 358713.6/24

Right Out: 963.576+/-0.717 χ^2/NDF : 533874.5/1

Left In: 669.938+/-0.114 χ^2/NDF : 464085.7/22

Left: 672.670+/-0.080 χ^2/NDF : 823936.7/47

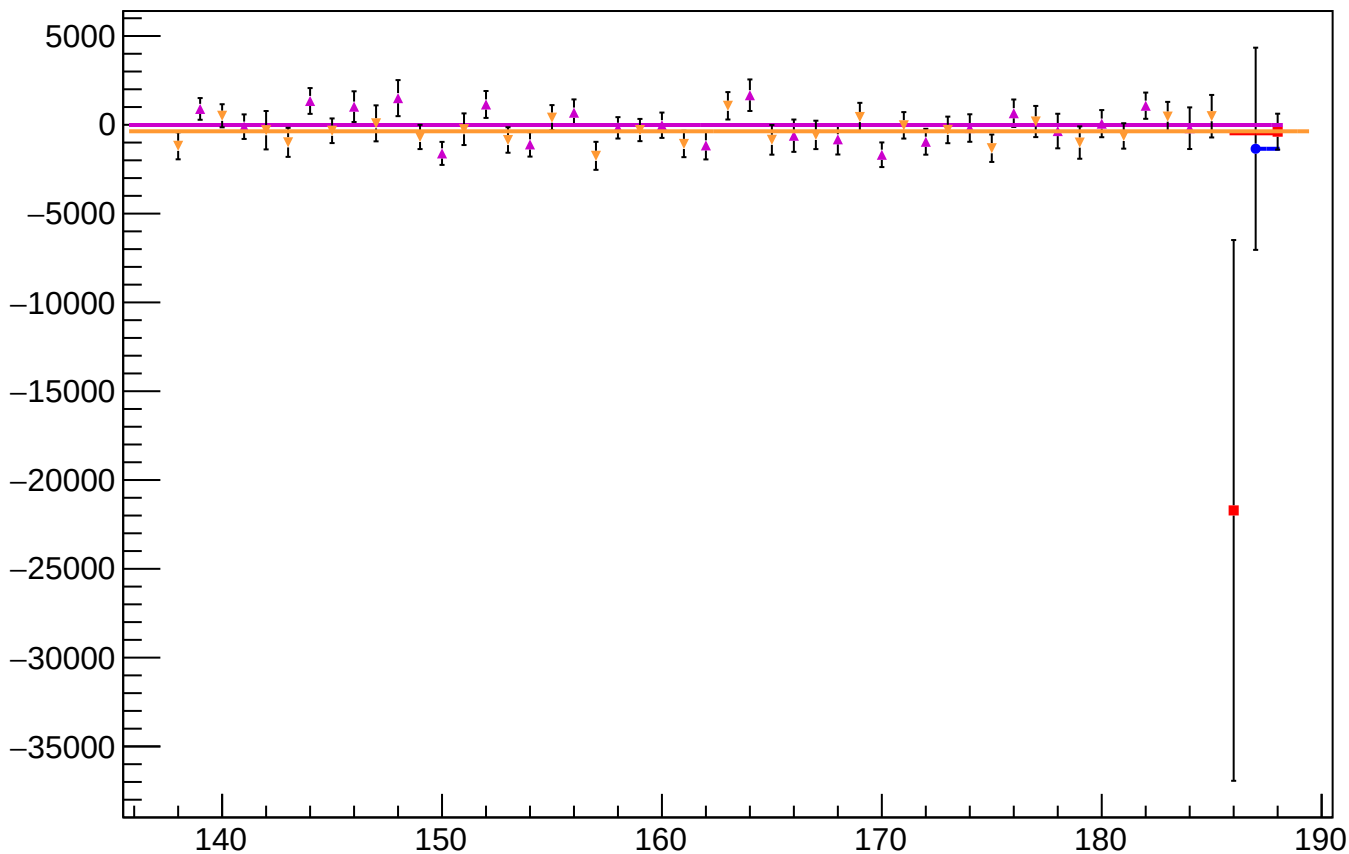
Right: 1001.526+/-0.706 χ^2/NDF : 625271.2/2

In: 671.156+/-0.114 χ^2/NDF : 608213.9/23

Out: 682.246+/-0.111 χ^2/NDF : 1050137.7/26

All: 676.836+/-0.080 χ^2/NDF : 1663213.5/50

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -1349.629+/-5692.387 χ^2 /NDF: 0.0/0

Left Out: -365.394+/-156.301 χ^2 /NDF:18.7/24

Right Out: -479.189+/-1008.351 χ^2 /NDF: 2.0/1

Left In: -11.243+/-158.497 χ^2 /NDF:38.8/22

Left: -190.789+/-111.290 χ^2 /NDF: 60.1/47

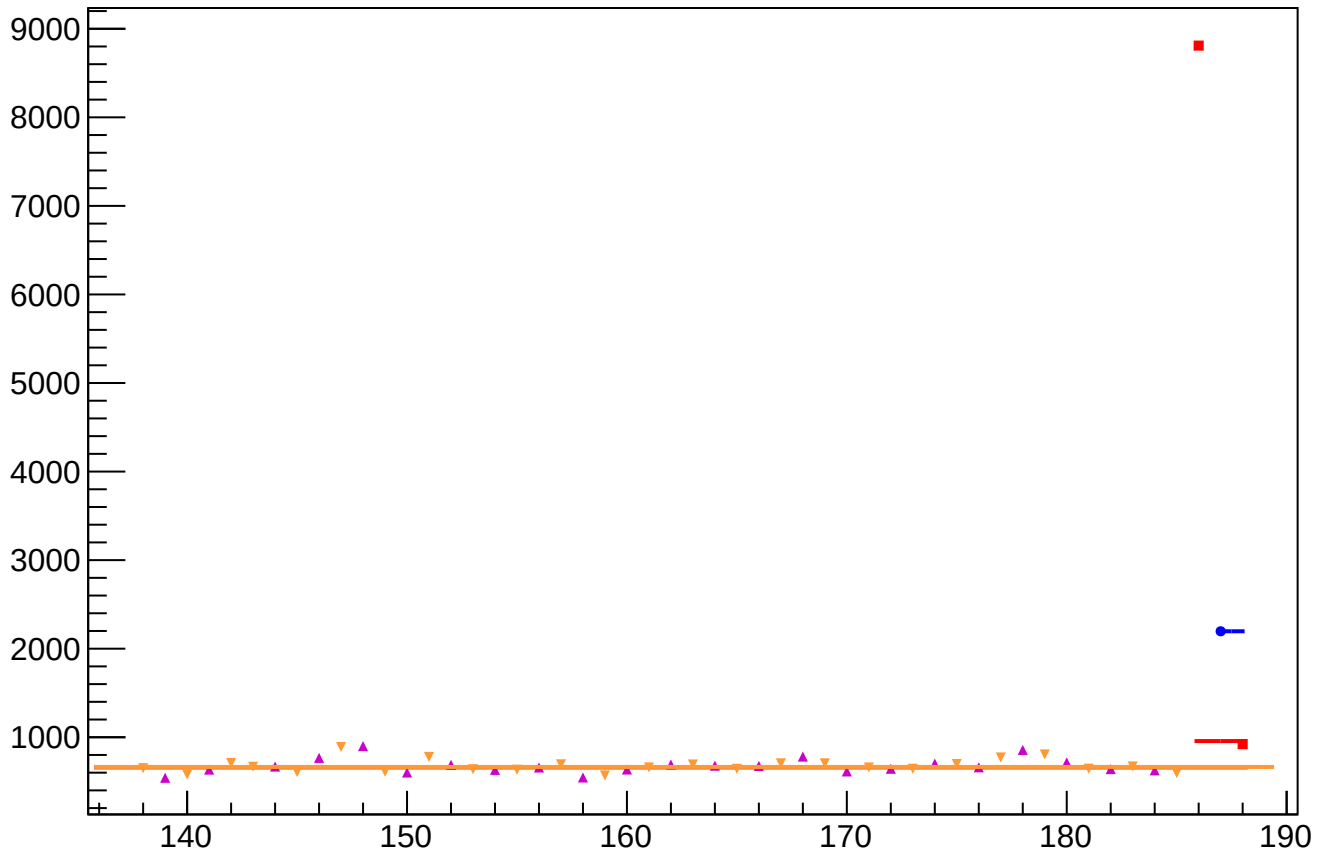
Right: -505.671+/-992.893 χ^2 /NDF: 2.0/2

In: -12.280+/-158.436 χ^2 /NDF:38.9/23

Out: -368.064+/-154.456 χ^2 /NDF:20.7/26

All: -194.696+/-110.597 χ^2 /NDF: 62.2/50

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 2196.584+/-4.025 χ^2/NDF : 0.0/0

Left Out: 664.618+/-0.111 χ^2/NDF : 356964.3/24

Right Out: 956.831+/-0.713 χ^2/NDF : 534527.9/1

Left In: 659.230+/-0.112 χ^2/NDF : 472744.9/22

Left: 661.962+/-0.079 χ^2/NDF : 830881.0/47

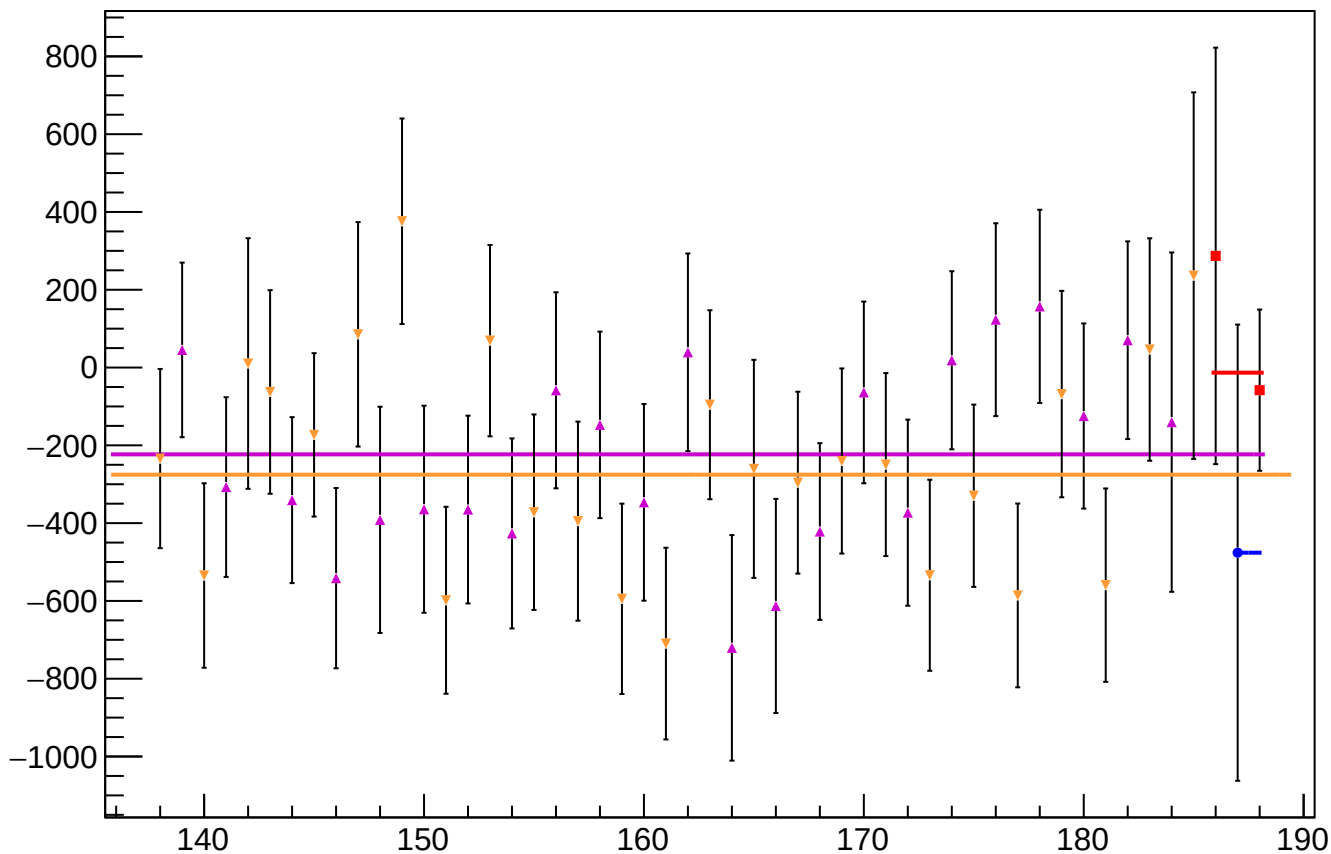
Right: 994.549+/-0.702 χ^2/NDF : 626508.0/2

In: 660.421+/-0.112 χ^2/NDF : 618509.6/23

Out: 671.474+/-0.109 χ^2/NDF : 1055510.5/26

All: 666.088+/-0.078 χ^2/NDF : 1679011.3/50

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: -476.011 $\pm$ 586.449 χ^2 /NDF: 0.0/0

Left Out: -275.447 $\pm$ 50.539 χ^2 /NDF:27.3/24

Right Out: -13.179 $\pm$ 193.270 χ^2 /NDF: 0.4/1

Left In: -223.195 $\pm$ 51.742 χ^2 /NDF:20.8/22

Left: -249.935 $\pm$ 36.154 χ^2 /NDF: 48.6/47

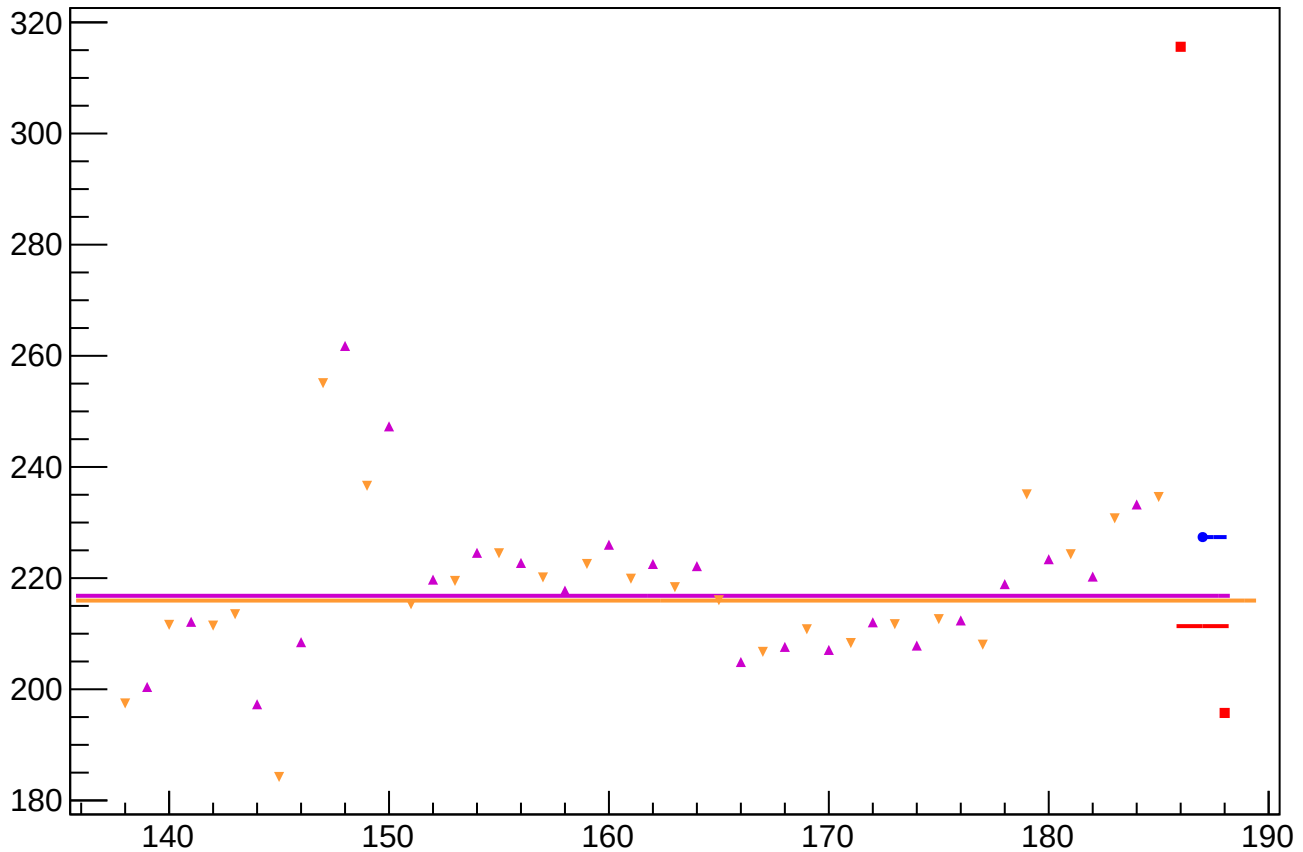
Right: -58.522 $\pm$ 183.559 χ^2 /NDF: 0.9/2

In: -225.147 $\pm$ 51.541 χ^2 /NDF:20.9/23

Out: -258.661 $\pm$ 48.895 χ^2 /NDF:29.4/26

All: -242.786 $\pm$ 35.473 χ^2 /NDF: 50.6/50

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 227.383 $\pm$ 0.415 χ^2 /NDF: 0.0/0

Left Out: 215.963 $\pm$ 0.036 χ^2 /NDF: 144735.1/24

Right Out: 211.363 $\pm$ 0.137 χ^2 /NDF: 87200.6/1

Left In: 216.821 $\pm$ 0.037 χ^2 /NDF: 132518.8/22

Left: 216.382 $\pm$ 0.026 χ^2 /NDF: 277535.4/47

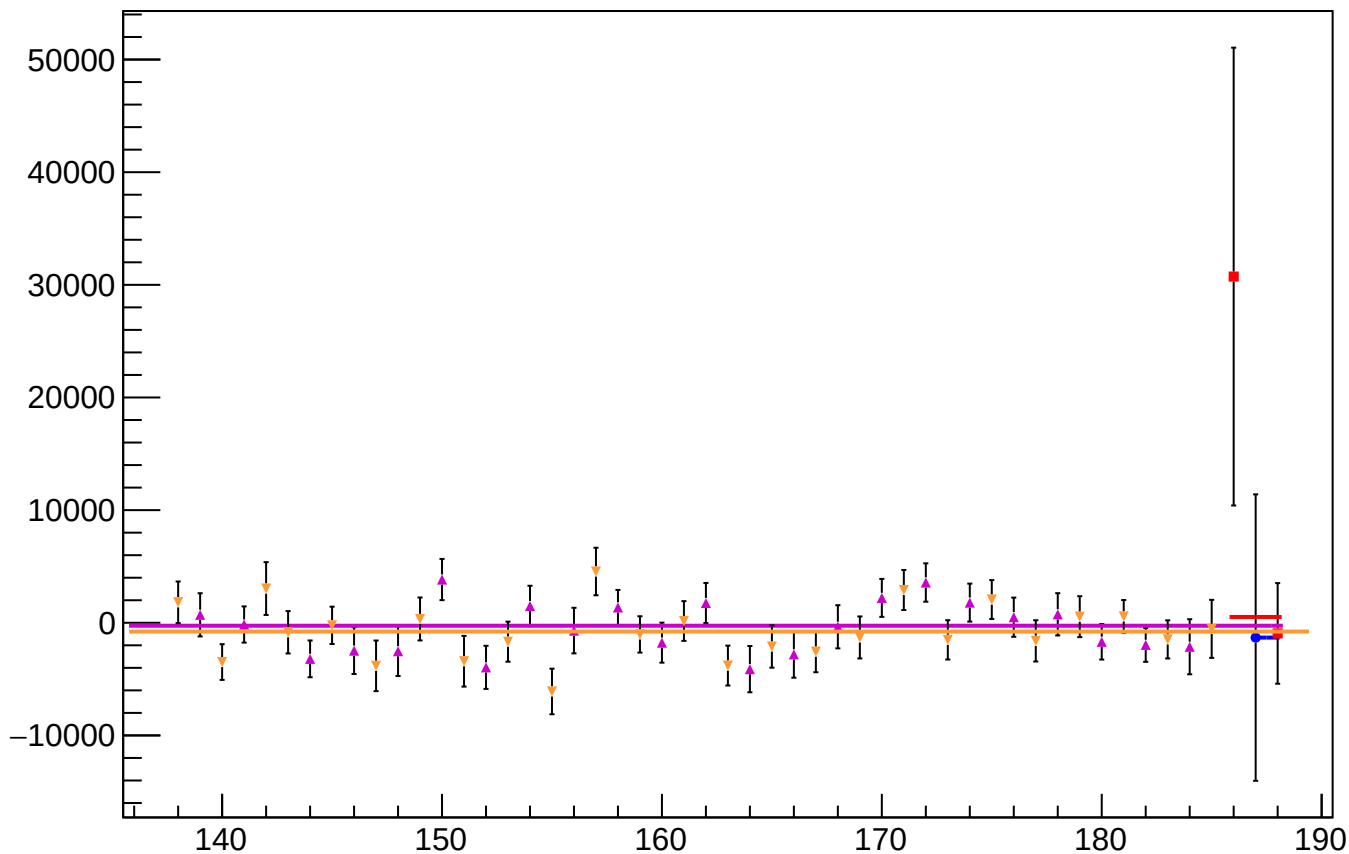
Right: 212.932 $\pm$ 0.130 χ^2 /NDF: 88546.9/2

In: 216.903 $\pm$ 0.036 χ^2 /NDF: 133162.6/23

Out: 215.669 $\pm$ 0.035 χ^2 /NDF: 232996.3/26

All: 216.253 $\pm$ 0.025 χ^2 /NDF: 366762.2/50

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1314.000 $\pm$ 12713.694 χ^2 /NDF: 0.0/0

Left Out: -779.146 $\pm$ 366.965 χ^2 /NDF:38.5/24

Right Out: 515.537 $\pm$ 4361.139 χ^2 /NDF: 2.3/1

Left In: -261.815 $\pm$ 376.203 χ^2 /NDF:35.4/22

Left: -526.910 $\pm$ 262.688 χ^2 /NDF: 74.9/47

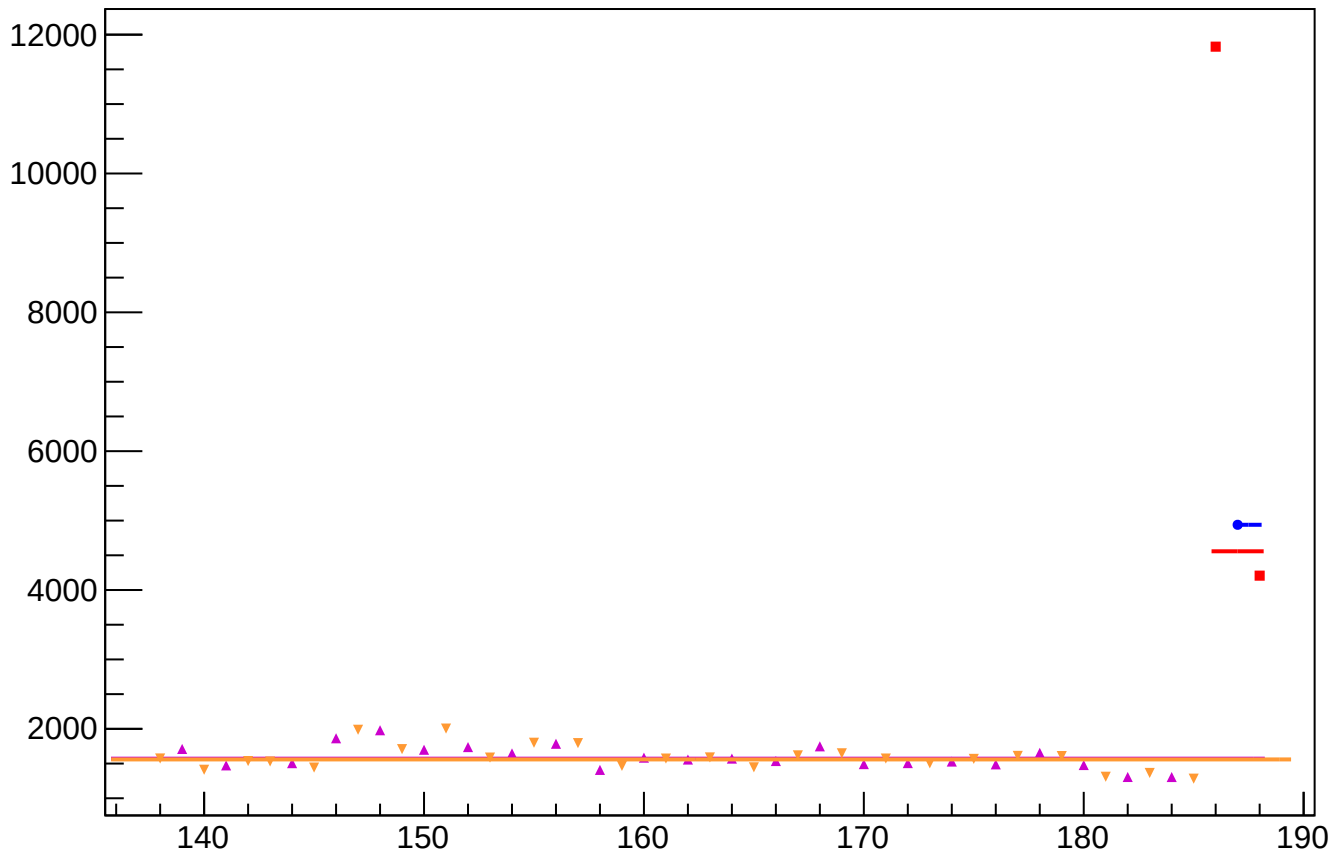
Right: 322.925 $\pm$ 4125.187 χ^2 /NDF: 2.3/2

In: -262.735 $\pm$ 376.038 χ^2 /NDF:35.5/23

Out: -770.044 $\pm$ 365.673 χ^2 /NDF:40.9/26

All: -523.478 $\pm$ 262.157 χ^2 /NDF: 77.3/50

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 4939.505+/-8.990 χ^2/NDF : 0.0/0

Left Out: 1559.504+/-0.259 χ^2/NDF : 379160.1/24

Right Out: 4557.720+/-3.084 χ^2/NDF : 268288.2/1

Left In: 1570.331+/-0.266 χ^2/NDF : 329434.5/22

Left: 1564.783+/-0.186 χ^2/NDF : 709443.3/47

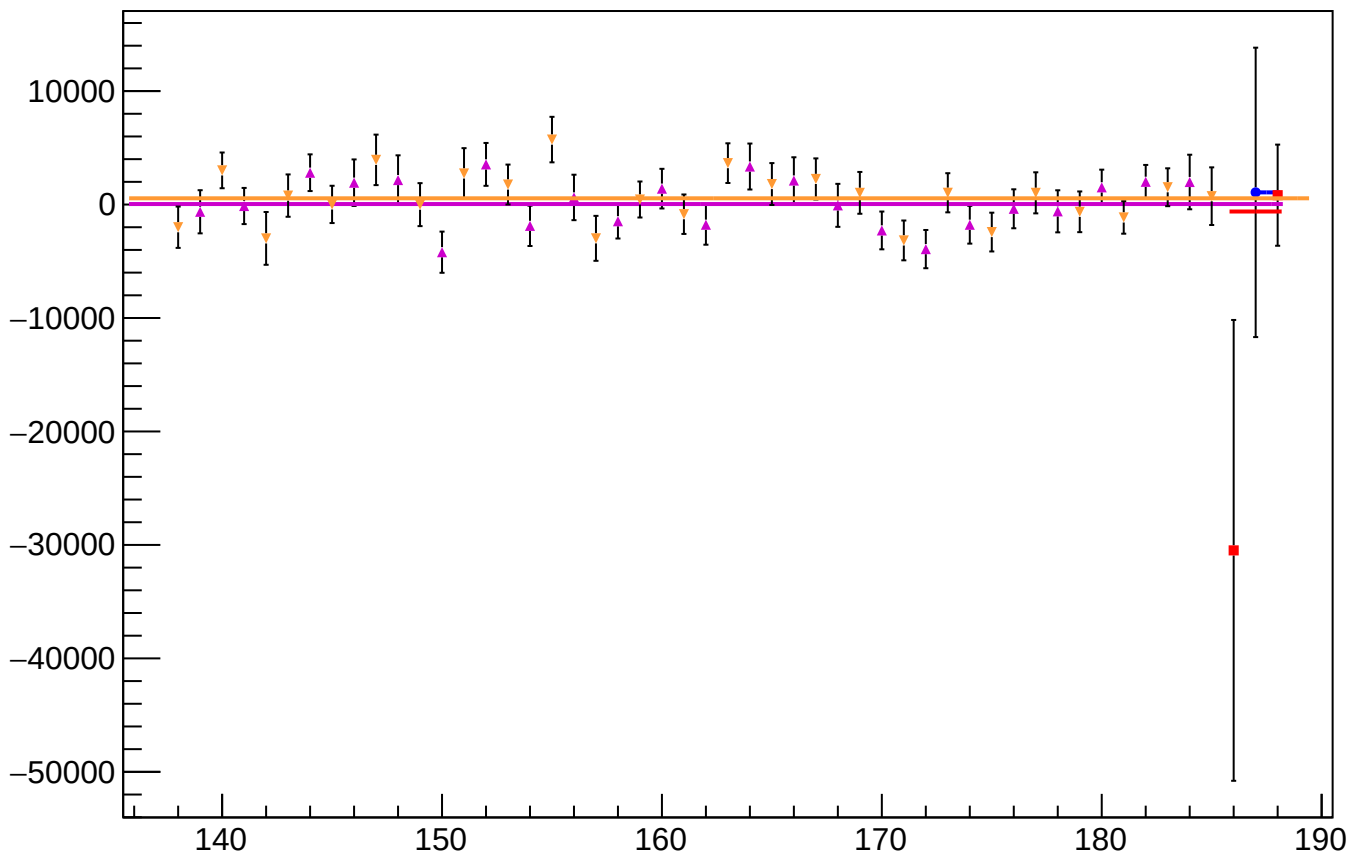
Right: 4597.914+/-2.917 χ^2/NDF : 269901.8/2

In: 1573.278+/-0.266 χ^2/NDF : 469765.4/23

Out: 1580.583+/-0.259 χ^2/NDF : 1586072.5/26

All: 1577.033+/-0.185 χ^2/NDF : 2056225.8/50

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1071.971 $\pm$ 12754.068 χ^2 /NDF: 0.0/0

Left Out: 550.093 $\pm$ 362.172 χ^2 /NDF:35.6/24

Right Out: -614.205 $\pm$ 4353.604 χ^2 /NDF: 2.3/1

Left In: 43.949 $\pm$ 371.765 χ^2 /NDF:33.5/22

Left: 303.636 $\pm$ 259.420 χ^2 /NDF: 70.0/47

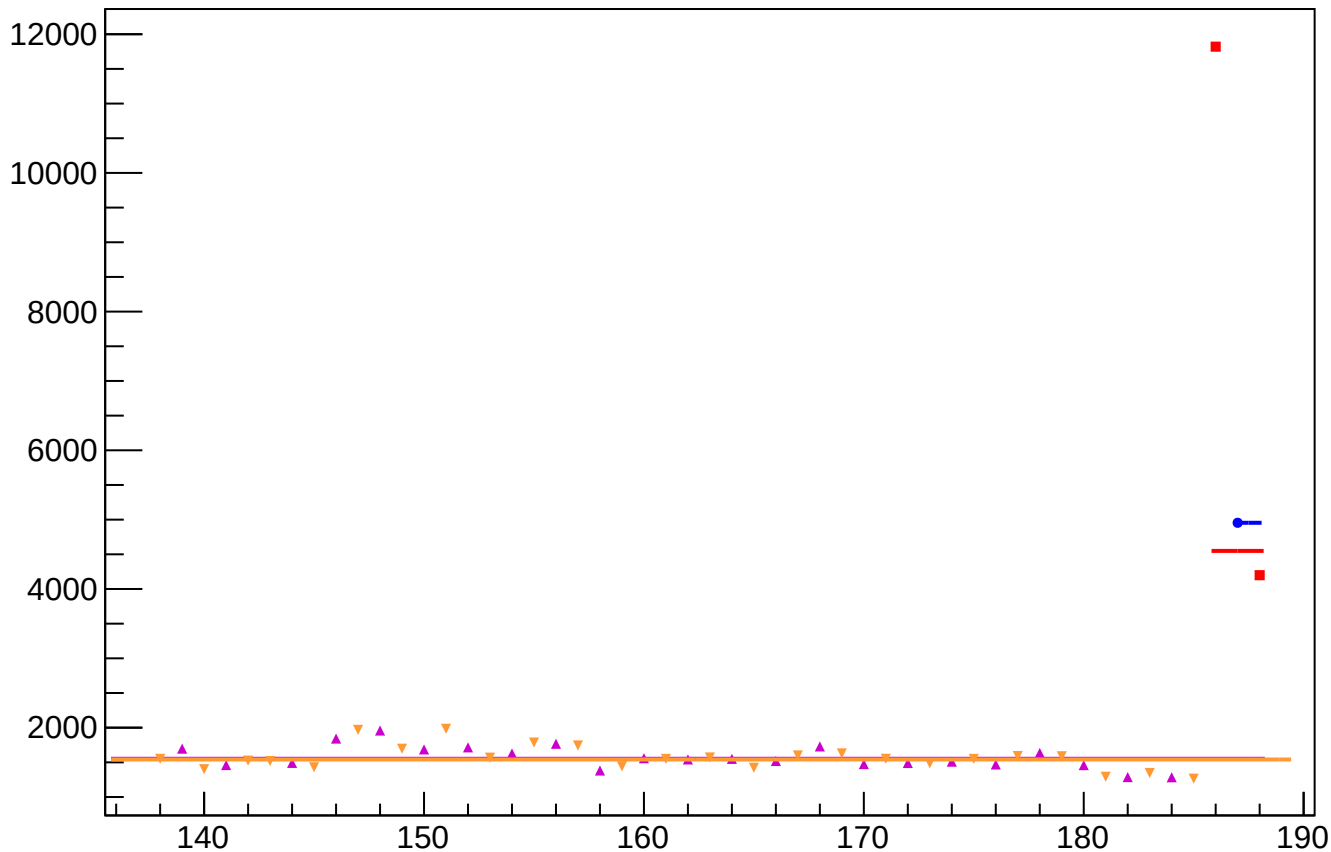
Right: -438.236 $\pm$ 4120.175 χ^2 /NDF: 2.3/2

In: 44.822 $\pm$ 371.608 χ^2 /NDF:33.5/23

Out: 542.091 $\pm$ 360.925 χ^2 /NDF:37.9/26

All: 300.706 $\pm$ 258.907 χ^2 /NDF: 72.3/50

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 4954.641+/-9.018 χ^2/NDF : 0.0/0

Left Out: 1541.149+/-0.256 χ^2/NDF : 382077.8/24

Right Out: 4549.185+/-3.078 χ^2/NDF : 268759.5/1

Left In: 1551.481+/-0.263 χ^2/NDF : 339002.9/22

Left: 1546.180+/-0.183 χ^2/NDF : 721873.3/47

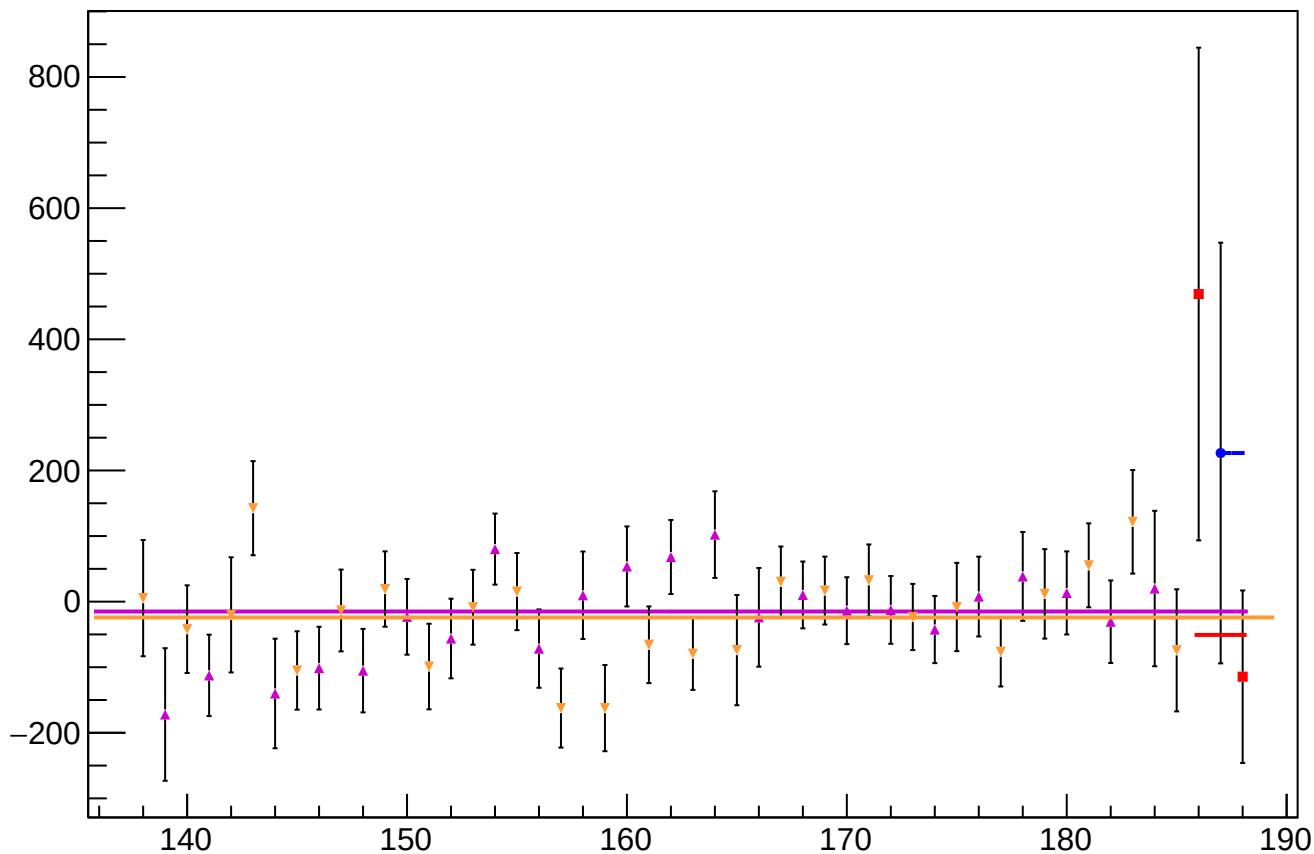
Right: 4591.498+/-2.913 χ^2/NDF : 270569.8/2

In: 1554.370+/-0.263 χ^2/NDF : 481277.9/23

Out: 1561.822+/-0.255 χ^2/NDF : 1599044.4/26

All: 1558.205+/-0.183 χ^2/NDF : 2080736.1/50

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 226.608 $\pm$ 320.736 χ^2 /NDF: 0.0/0

Left Out: -24.126 $\pm$ 12.525 χ^2 /NDF:30.7/24

Right Out: -50.743 $\pm$ 124.142 χ^2 /NDF: 2.1/1

Left In: -15.058 $\pm$ 12.921 χ^2 /NDF:23.8/22

Left: -19.733 $\pm$ 8.993 χ^2 /NDF: 54.8/47

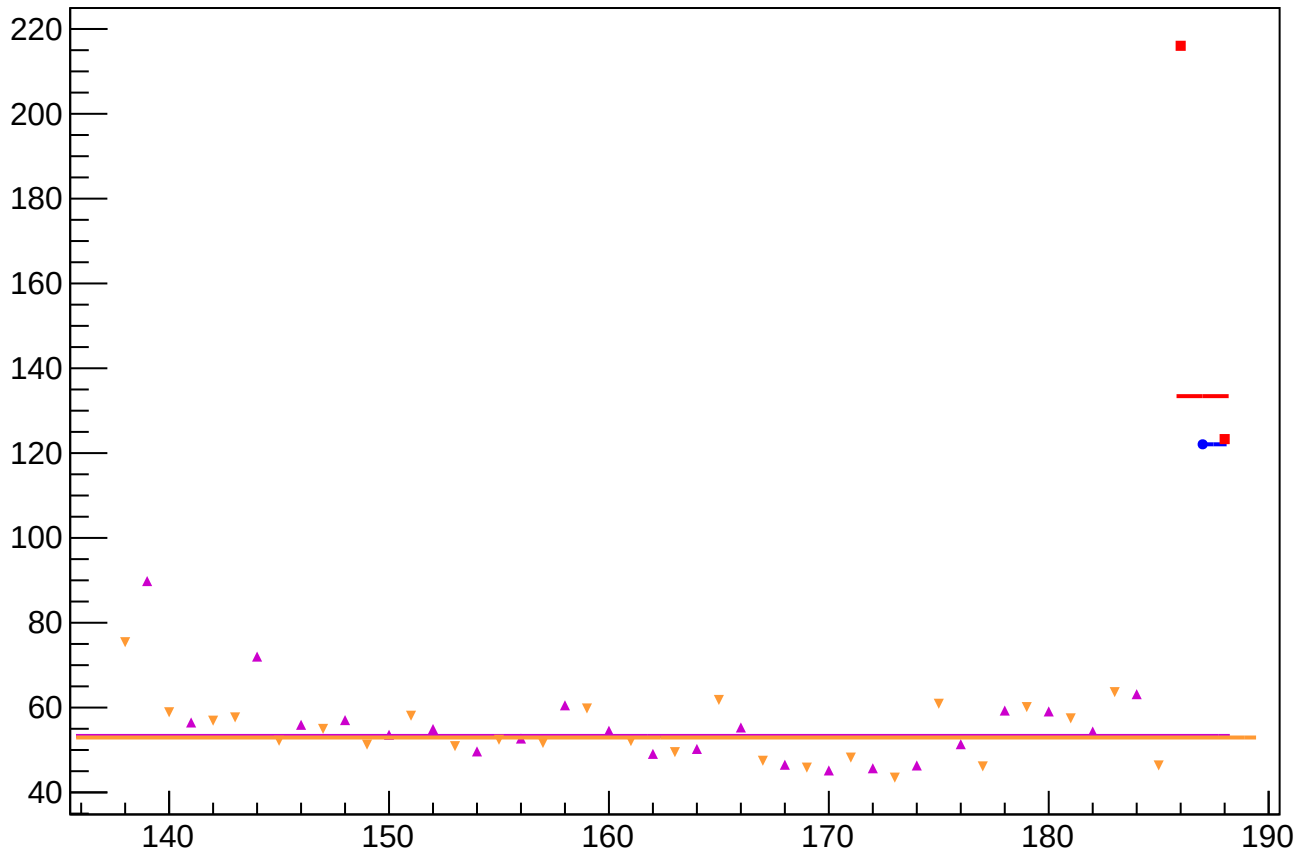
Right: -14.606 $\pm$ 115.773 χ^2 /NDF: 2.8/2

In: -14.667 $\pm$ 12.911 χ^2 /NDF:24.4/23

Out: -24.394 $\pm$ 12.462 χ^2 /NDF:32.9/26

All: -19.703 $\pm$ 8.966 χ^2 /NDF: 57.6/50

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 122.074 $\pm$ 0.227 χ^2 /NDF: 0.0/0

Left Out: 52.942 $\pm$ 0.009 χ^2 /NDF:513146.0/24

Right Out: 133.430 $\pm$ 0.088 χ^2 /NDF: 108559.4/1

Left In: 53.312 $\pm$ 0.009 χ^2 /NDF:644220.1/22

Left: 53.121 $\pm$ 0.006 χ^2 /NDF: 1158211.4/47

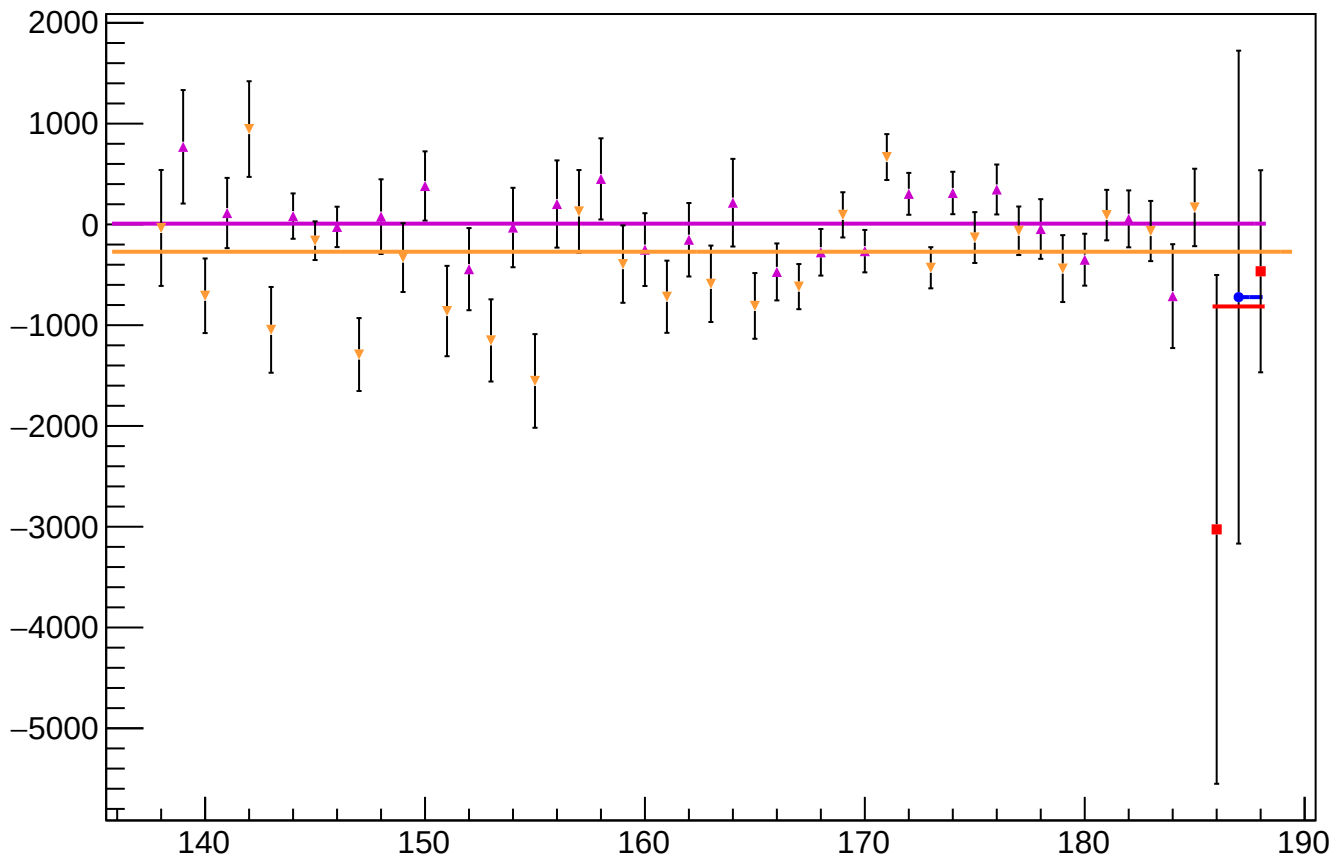
Right: 131.950 $\pm$ 0.082 χ^2 /NDF: 110739.7/2

In: 53.423 $\pm$ 0.009 χ^2 /NDF:735996.2/23

Out: 53.753 $\pm$ 0.009 χ^2 /NDF:1453946.7/26

All: 53.594 $\pm$ 0.006 χ^2 /NDF: 2190617.8/50

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -721.606 $\pm$ 2445.605 χ^2 /NDF: 0.0/0

Left Out: -271.240 $\pm$ 60.285 χ^2 /NDF:67.7/24

Right Out: -814.172 $\pm$ 931.920 χ^2 /NDF: 0.9/1

Left In: 7.535 $\pm$ 60.328 χ^2 /NDF:22.9/22

Left: -131.952 $\pm$ 42.643 χ^2 /NDF: 101.2/47

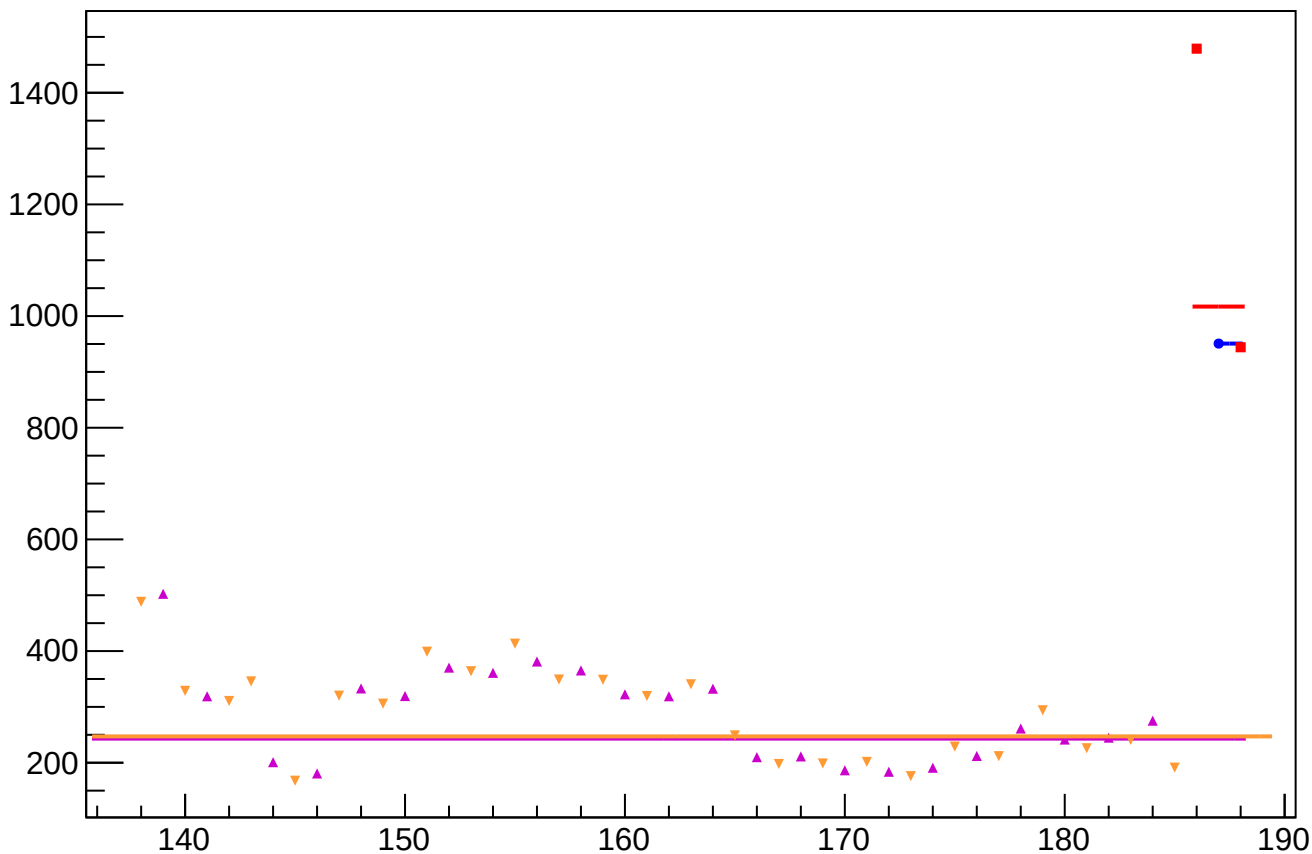
Right: -802.435 $\pm$ 870.837 χ^2 /NDF: 0.9/2

In: 7.091 $\pm$ 60.309 χ^2 /NDF:22.9/23

Out: -273.503 $\pm$ 60.159 χ^2 /NDF:68.9/26

All: -133.556 $\pm$ 42.592 χ^2 /NDF: 102.7/50

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 950.726+/-1.729 χ^2/NDF : 0.0/0

Left Out: 247.166+/-0.043 χ^2/NDF : 2853302.0/24

Right Out: 1017.028+/-0.659 χ^2/NDF : 77521.8/1

Left In: 243.189+/-0.043 χ^2/NDF : 2571190.8/22

Left: 245.179+/-0.030 χ^2/NDF : 5428841.5/47

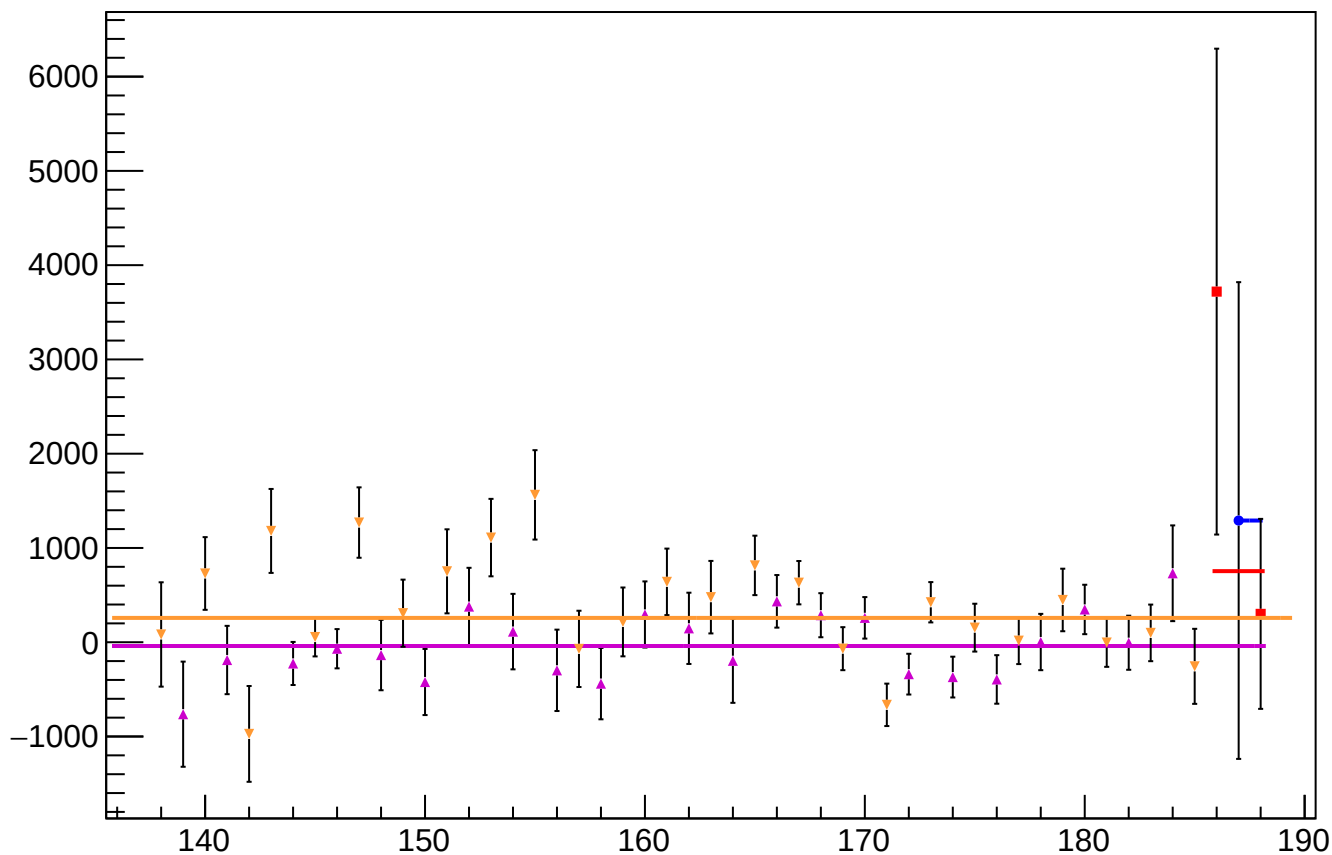
Right: 1008.621+/-0.616 χ^2/NDF : 78805.4/2

In: 243.619+/-0.043 χ^2/NDF : 2738489.1/23

Out: 250.374+/-0.043 χ^2/NDF : 4290028.8/26

All: 247.005+/-0.030 χ^2/NDF : 7041093.8/50

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 1290.959 $\pm$ 2528.638 χ^2 /NDF: 0.0/0

Left Out: 258.044 $\pm$ 61.488 χ^2 /NDF:65.0/24

Right Out: 754.177 $\pm$ 938.501 χ^2 /NDF: 1.5/1

Left In: -40.015 $\pm$ 61.495 χ^2 /NDF:25.0/22

Left: 109.033 $\pm$ 43.481 χ^2 /NDF: 101.8/47

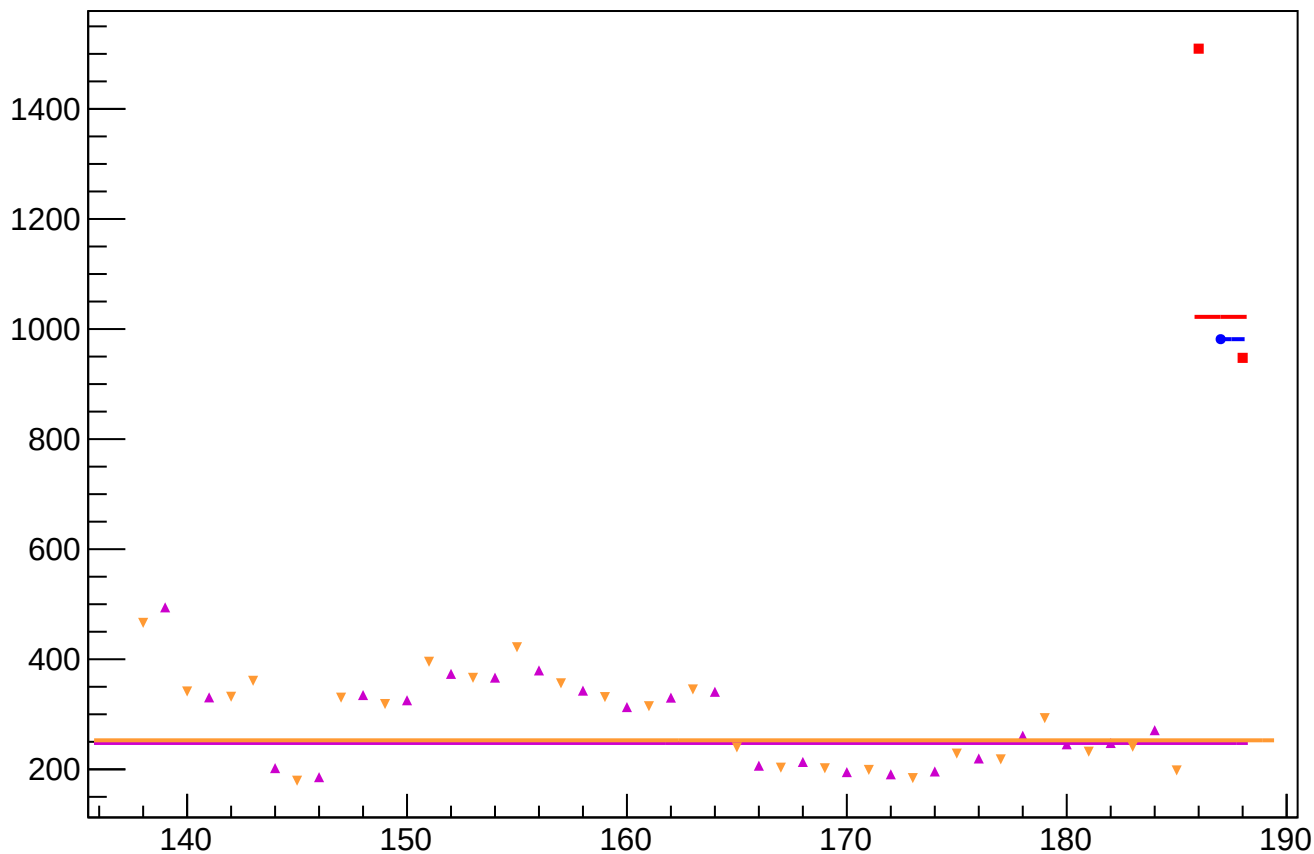
Right: 819.167 $\pm$ 879.855 χ^2 /NDF: 1.6/2

In: -39.229 $\pm$ 61.477 χ^2 /NDF:25.3/23

Out: 260.164 $\pm$ 61.356 χ^2 /NDF:66.8/26

All: 110.763 $\pm$ 43.428 χ^2 /NDF: 104.0/50

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 981.598+/-1.788 χ^2/NDF : 0.0/0

Left Out: 252.721+/-0.043 χ^2/NDF :2648800.3/24

Right Out: 1022.157+/-0.664 χ^2/NDF : 82438.9/1

Left In: 247.919+/-0.043 χ^2/NDF :2374698.8/22

Left: 250.320+/-0.031 χ^2/NDF : 5029597.8/47

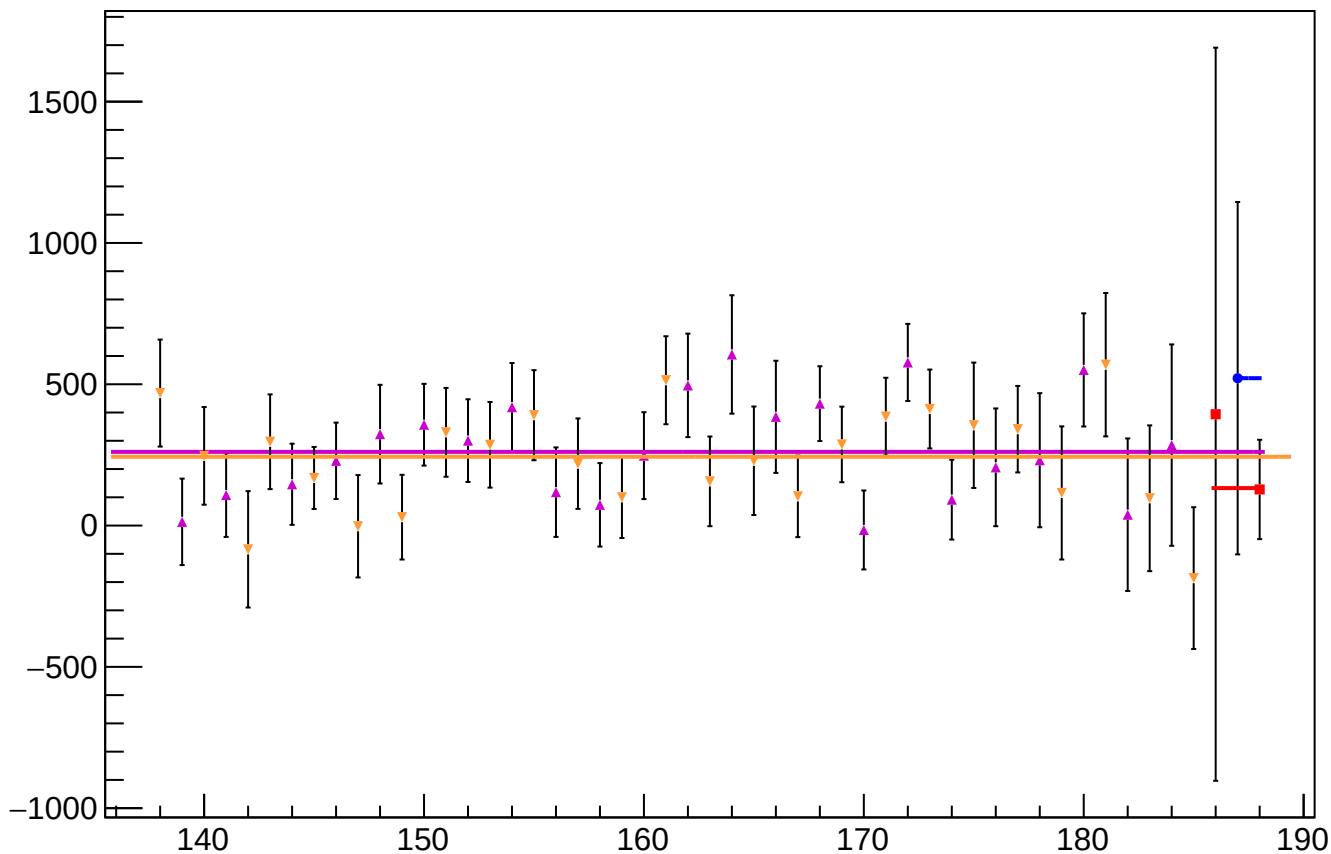
Right: 1017.246+/-0.622 χ^2/NDF : 82891.2/2

In: 248.352+/-0.043 χ^2/NDF :2542971.0/23

Out: 256.009+/-0.043 χ^2/NDF :4069823.8/26

All: 252.188+/-0.031 χ^2/NDF : 6628338.8/50

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 521.513 $\pm$ 623.512 χ^2 /NDF: 0.0/0

Left Out: 243.442 $\pm$ 32.738 χ^2 /NDF:23.4/24

Right Out: 132.580 $\pm$ 174.192 χ^2 /NDF: 0.0/1

Left In: 260.749 $\pm$ 33.988 χ^2 /NDF:28.5/22

Left: 251.772 $\pm$ 23.579 χ^2 /NDF: 52.0/47

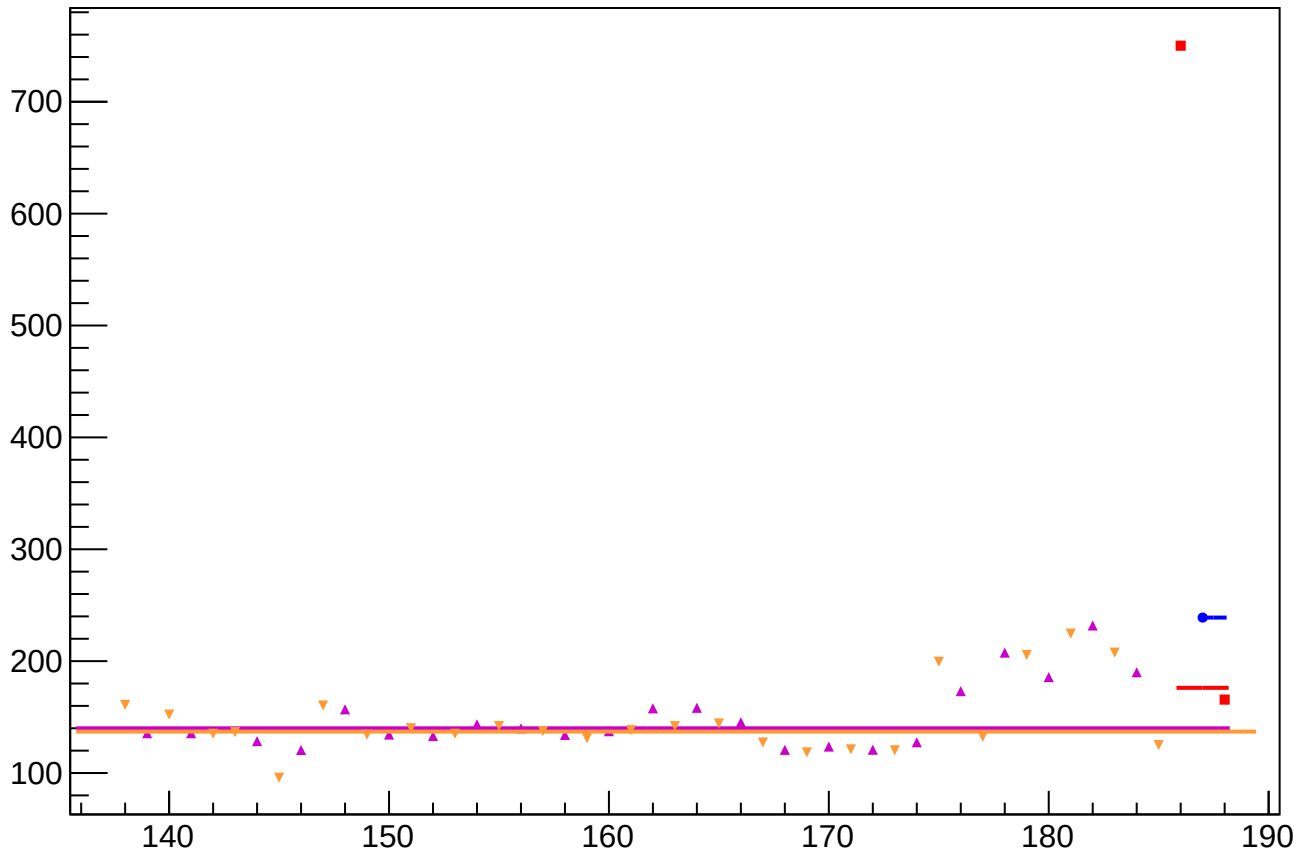
Right: 160.738 $\pm$ 167.768 χ^2 /NDF: 0.4/2

In: 261.522 $\pm$ 33.938 χ^2 /NDF:28.6/23

Out: 239.660 $\pm$ 32.175 χ^2 /NDF:23.8/26

All: 250.008 $\pm$ 23.349 χ^2 /NDF: 52.7/50

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 238.938 $\pm$ 0.441 χ^2 /NDF: 0.0/0

Left Out: 137.036 $\pm$ 0.023 χ^2 /NDF:1200381.2/24

Right Out: 176.154 $\pm$ 0.123 χ^2 /NDF: 398816.1/1

Left In: 139.966 $\pm$ 0.024 χ^2 /NDF:838127.9/22

Left: 138.446 $\pm$ 0.017 χ^2 /NDF: 2046220.3/47

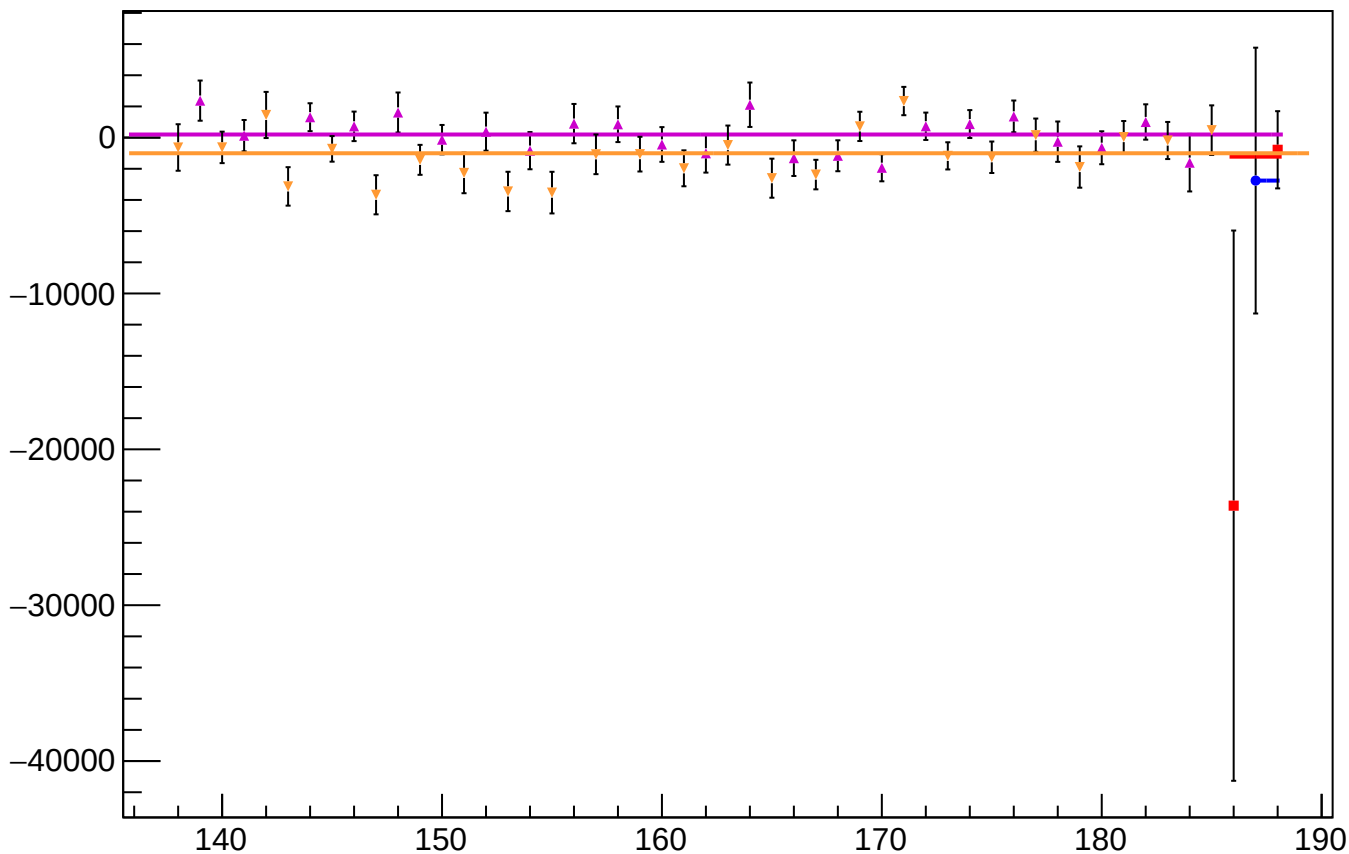
Right: 180.699 $\pm$ 0.119 χ^2 /NDF: 417626.8/2

In: 140.259 $\pm$ 0.024 χ^2 /NDF:888371.2/23

Out: 138.370 $\pm$ 0.023 χ^2 /NDF:1696618.0/26

All: 139.264 $\pm$ 0.017 χ^2 /NDF: 2588251.8/50

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -2757.834 $\pm$ 8527.436 χ^2 /NDF: 0.0/0

Left Out: -1004.364 $\pm$ 222.387 χ^2 /NDF:44.7/24

Right Out: -1222.551 $\pm$ 2452.842 χ^2 /NDF: 1.6/1

Left In: 198.654 $\pm$ 225.997 χ^2 /NDF:24.6/22

Left: -412.541 $\pm$ 158.512 χ^2 /NDF: 83.7/47

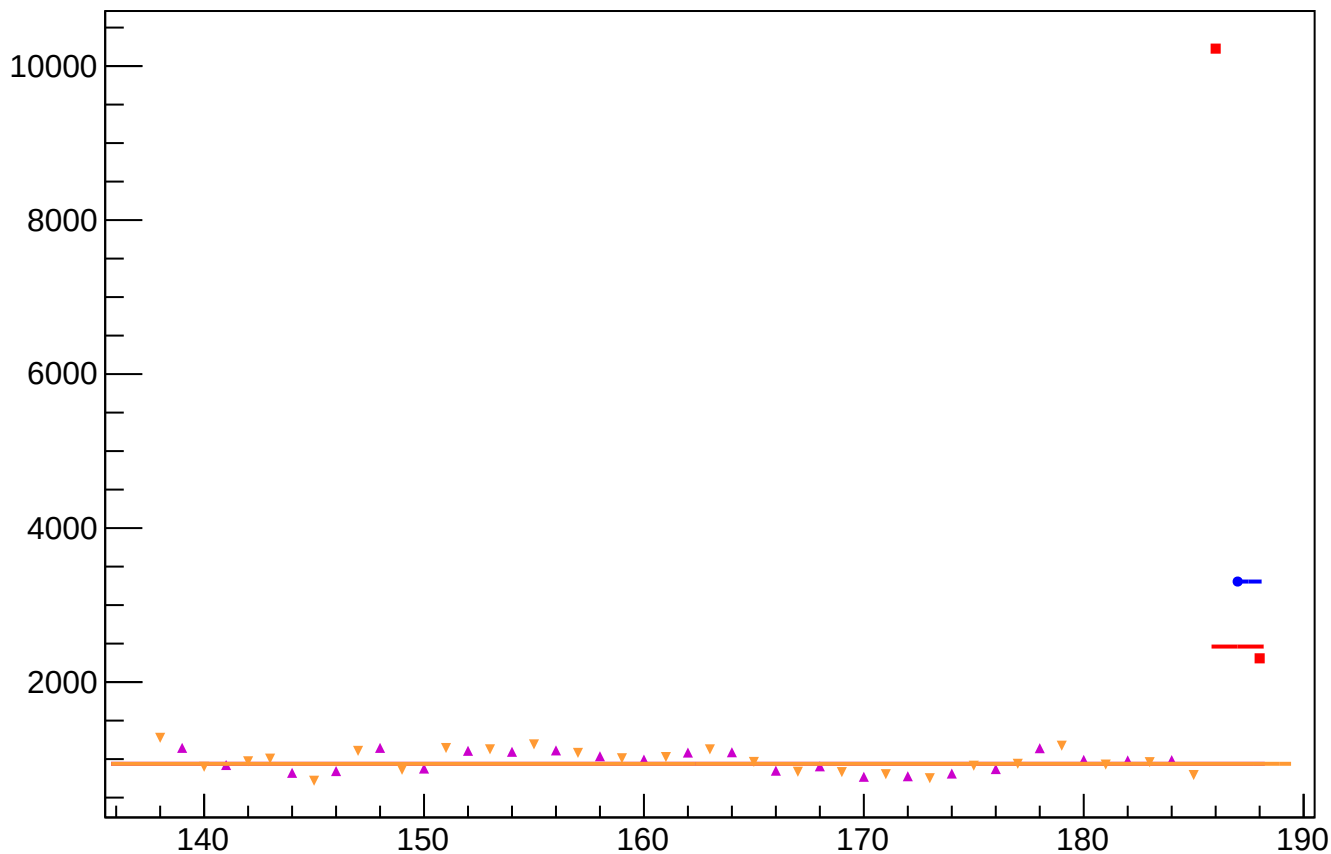
Right: -1339.870 $\pm$ 2357.263 χ^2 /NDF: 1.7/2

In: 196.579 $\pm$ 225.918 χ^2 /NDF:24.8/23

Out: -1006.143 $\pm$ 221.479 χ^2 /NDF:46.3/26

All: -416.715 $\pm$ 158.155 χ^2 /NDF: 85.5/50

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 3305.812+/-6.030 χ^2/NDF : 0.0/0

Left Out: 938.988+/-0.157 χ^2/NDF : 828400.0/24

Right Out: 2461.524+/-1.734 χ^2/NDF : 394658.2/1

Left In: 938.755+/-0.160 χ^2/NDF : 611419.0/22

Left: 938.874+/-0.112 χ^2/NDF : 1439820.2/47

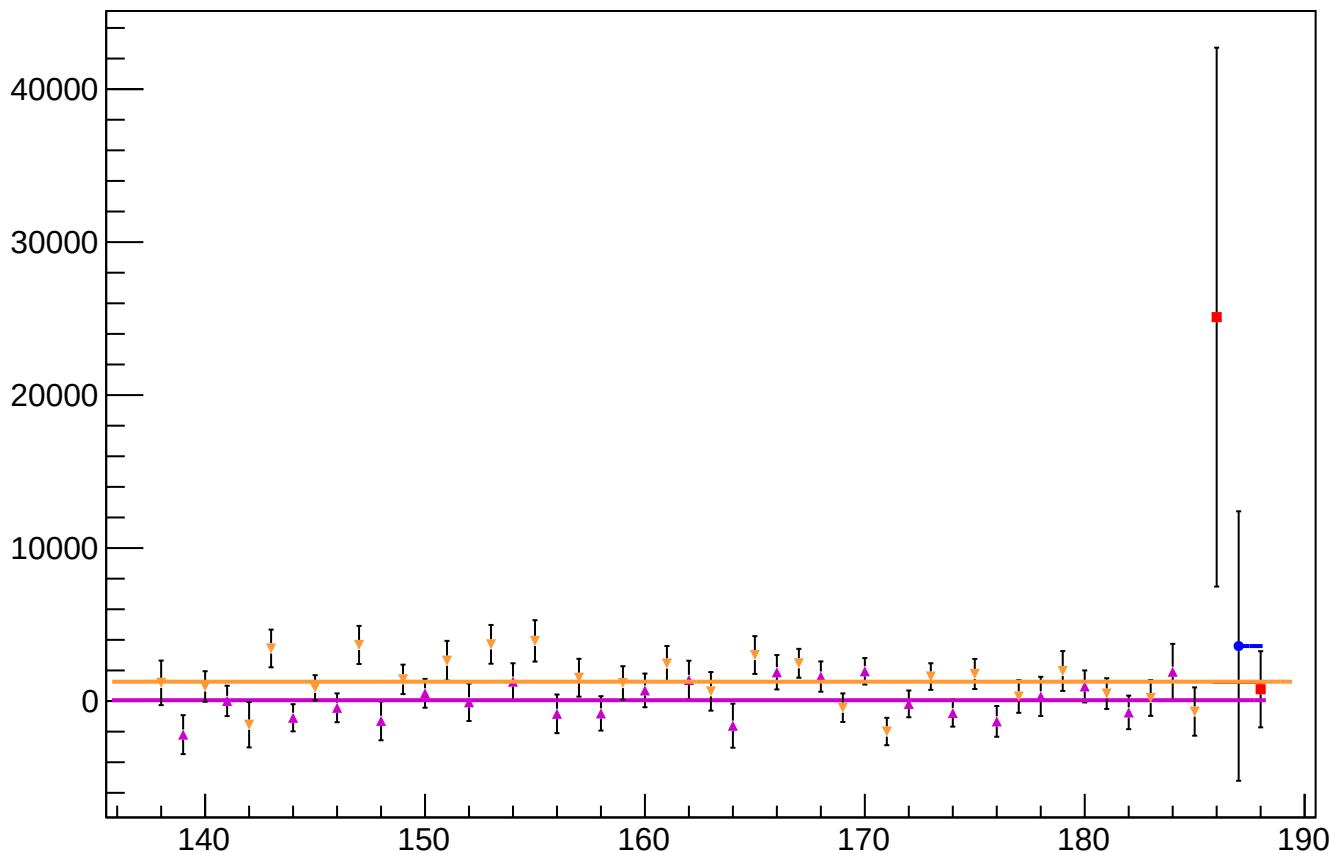
Right: 2526.040+/-1.667 χ^2/NDF : 412765.3/2

In: 940.416+/-0.160 χ^2/NDF : 765413.6/23

Out: 951.402+/-0.157 χ^2/NDF : 1987369.4/26

All: 946.018+/-0.112 χ^2/NDF : 2755194.3/50

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 3594.886+/-8808.527 χ^2/NDF : 0.0/0

Left Out: 1264.940+/-220.626 χ^2/NDF :45.5/24

Right Out: 1246.702+/-2465.600 χ^2/NDF : 1.9/1

Left In: 53.940+/-224.371 χ^2/NDF :26.4/22

Left: 669.631+/-157.313 χ^2/NDF : 86.8/47

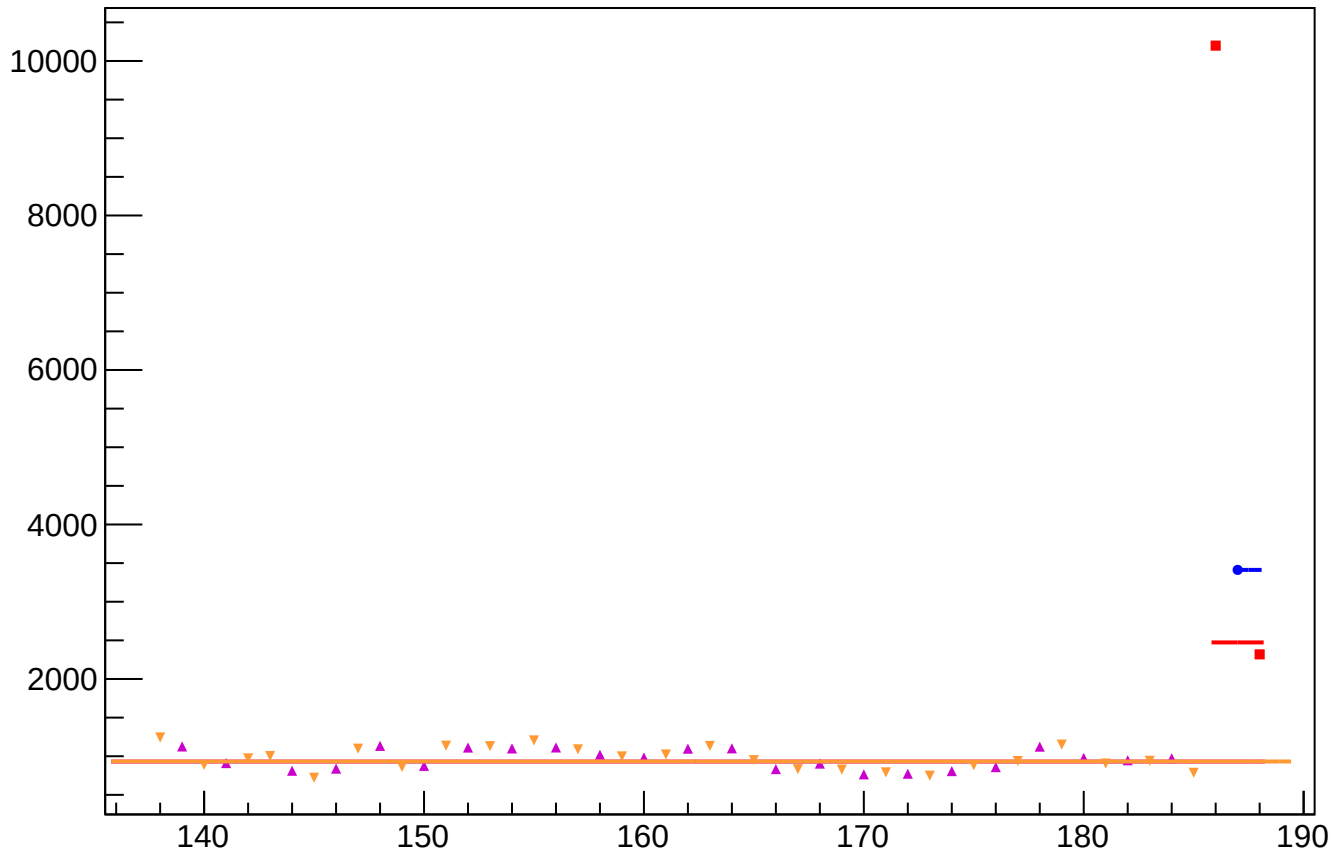
Right: 1417.315+/-2374.340 χ^2/NDF : 1.9/2

In: 56.235+/-224.298 χ^2/NDF :26.6/23

Out: 1264.795+/-219.748 χ^2/NDF :47.4/26

All: 672.898+/-156.969 χ^2/NDF : 88.8/50

asym_sam_48_dd_rms vs Slug, Sign Corrected



Left: 931.523 +/- 0.111 χ^2/NDF : 1450754.2/47

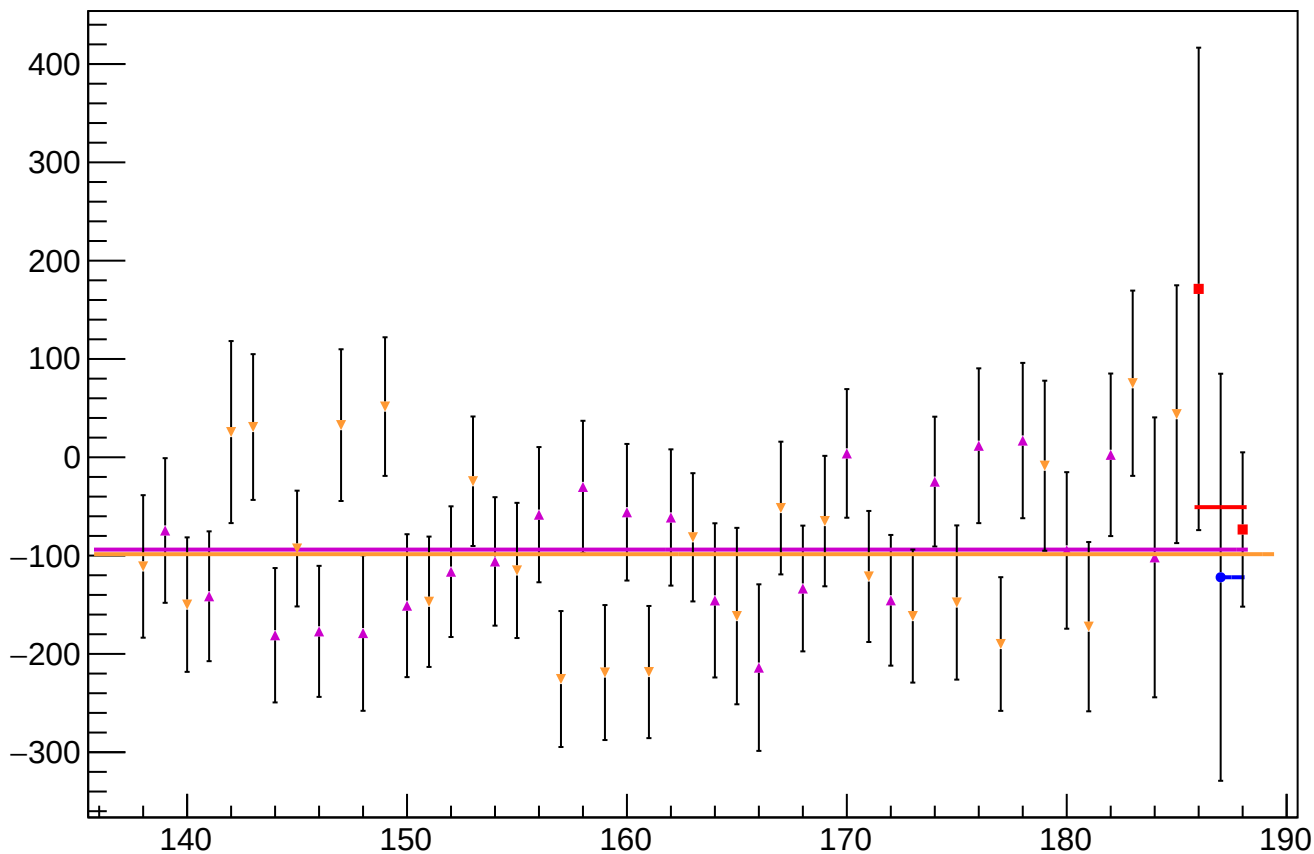
Right: 2541.540 +/- 1.679 χ^2/NDF : 413494.5/2

In: 932.463 +/- 0.159 χ^2/NDF : 780593.5/23

Out: 944.412 +/- 0.155 χ^2/NDF : 1996352.8/26

All: 938.560 +/- 0.111 χ^2/NDF : 2779842.5/50

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: -122.041 ± 207.032 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -98.557 ± 14.525 $\chi^2/\text{NDF}: 35.2/24$

Right Out: -50.728 ± 74.762 $\chi^2/\text{NDF}: 0.9/1$

Left In: -93.899 ± 15.039 $\chi^2/\text{NDF}: 19.3/22$

Left: -96.309 ± 10.448 $\chi^2/\text{NDF}: 54.6/47$

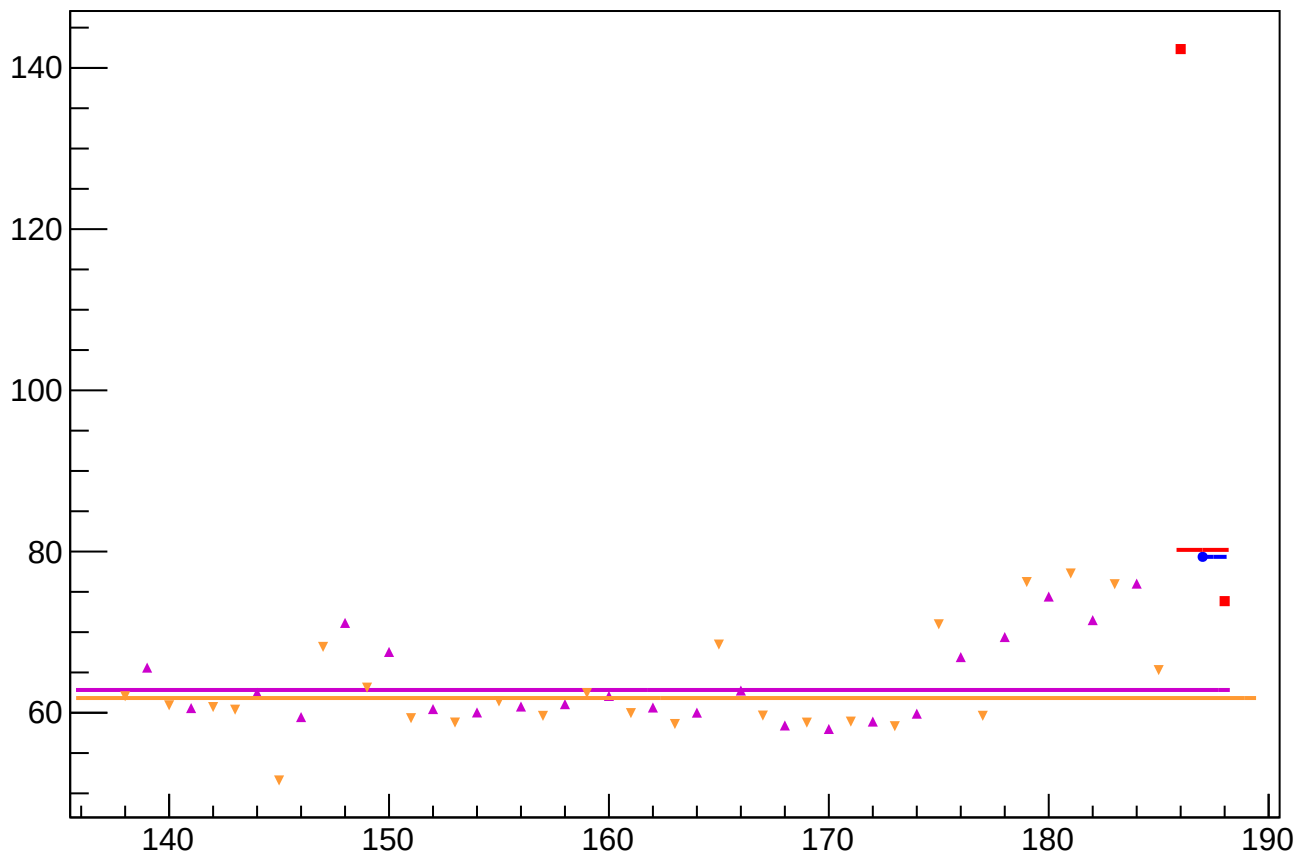
Right: -58.955 ± 70.317 $\chi^2/\text{NDF}: 1.0/2$

In: -94.047 ± 14.999 $\chi^2/\text{NDF}: 19.3/23$

Out: -96.818 ± 14.258 $\chi^2/\text{NDF}: 36.5/26$

All: -95.502 ± 10.334 $\chi^2/\text{NDF}: 55.8/50$

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 79.343 $\pm$ 0.146 χ^2 /NDF: 0.0/0

Left Out: 61.827 $\pm$ 0.010 χ^2 /NDF:313572.8/24

Right Out: 80.207 $\pm$ 0.053 χ^2 /NDF: 141373.5/1

Left In: 62.827 $\pm$ 0.011 χ^2 /NDF:187007.2/22

Left: 62.310 $\pm$ 0.007 χ^2 /NDF: 505157.6/47

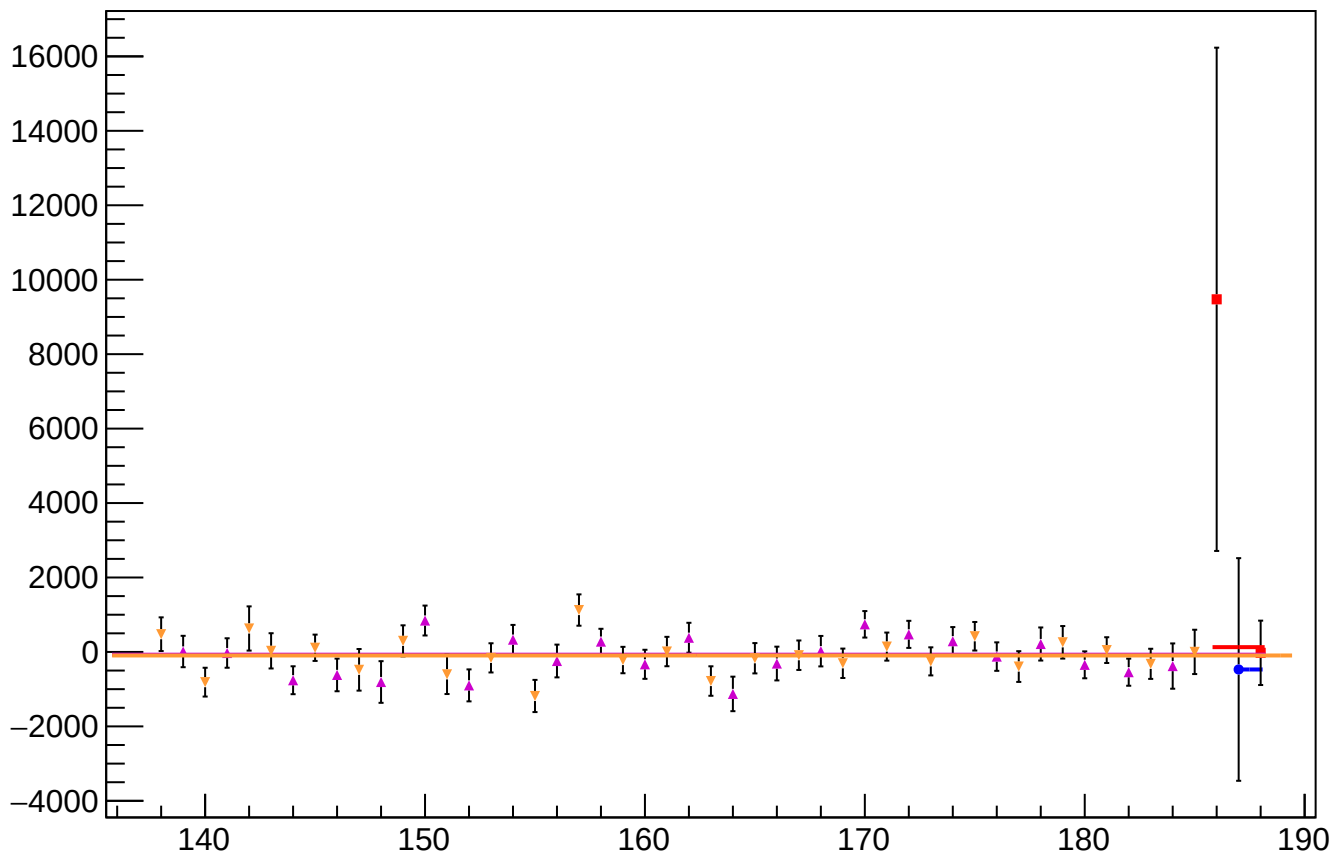
Right: 80.108 $\pm$ 0.050 χ^2 /NDF: 141404.4/2

In: 62.914 $\pm$ 0.011 χ^2 /NDF:199667.5/23

Out: 62.495 $\pm$ 0.010 χ^2 /NDF:571438.4/26

All: 62.694 $\pm$ 0.007 χ^2 /NDF: 771923.4/50

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -470.985+/-2990.746 χ^2/NDF : 0.0/0

Left Out: -94.907+/-82.850 χ^2/NDF : 31.6/24

Right Out: 128.990+/-857.752 χ^2/NDF : 1.9/1

Left In: -73.914+/-84.652 χ^2/NDF : 36.4/22

Left: -84.636+/-59.211 χ^2/NDF : 68.0/47

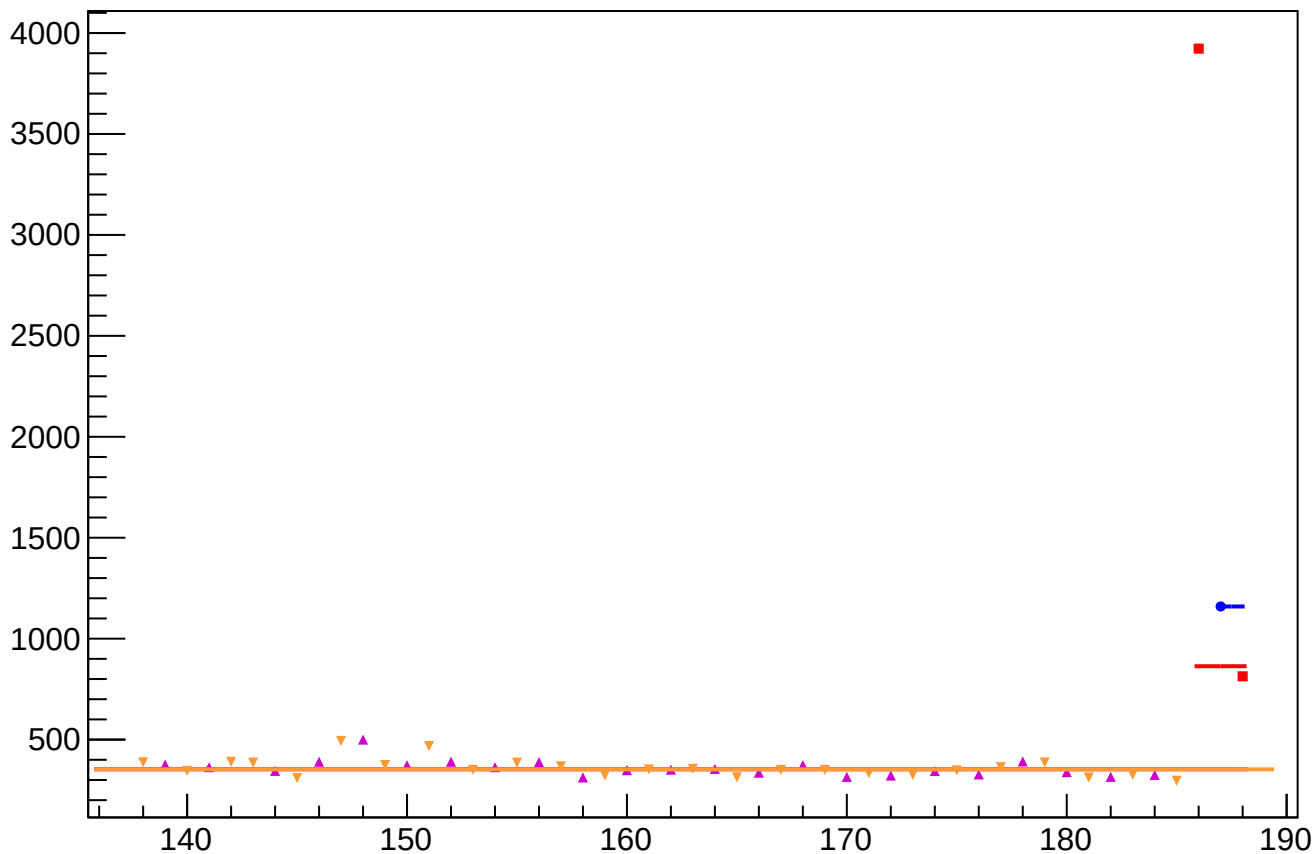
Right: 83.389+/-824.512 χ^2/NDF : 2.0/2

In: -74.232+/-84.618 χ^2/NDF : 36.4/23

Out: -92.837+/-82.466 χ^2/NDF : 33.6/26

All: -83.774+/-59.058 χ^2/NDF : 70.0/50

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 1159.437+/-2.115 χ^2/NDF : 0.0/0

Left Out: 352.403+/-0.059 χ^2/NDF : 418506.2/24

Right Out: 863.435+/-0.607 χ^2/NDF : 416277.4/1

Left In: 353.197+/-0.060 χ^2/NDF : 321761.0/22

Left: 352.791+/-0.042 χ^2/NDF : 740357.2/47

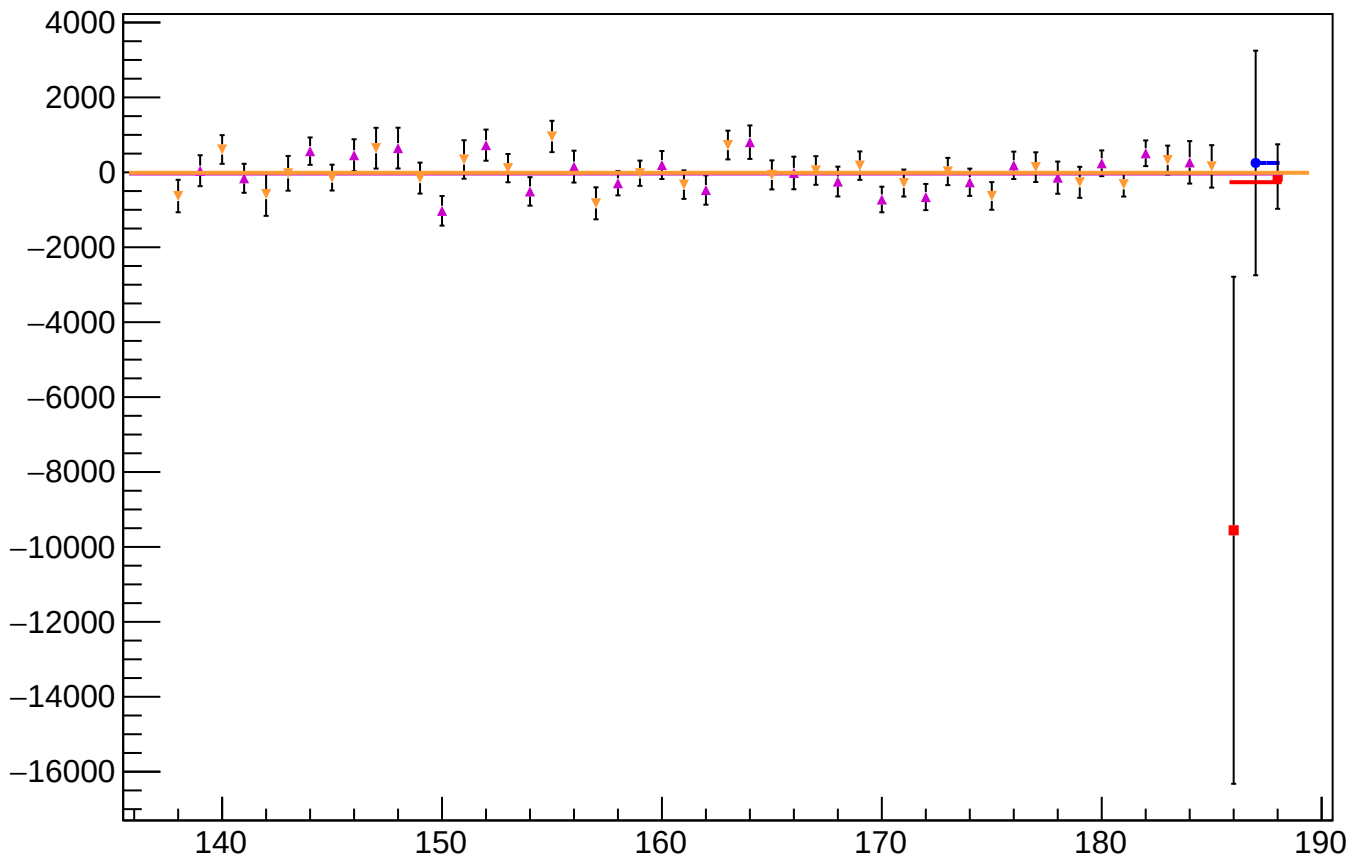
Right: 885.932+/-0.583 χ^2/NDF : 434379.7/2

In: 353.842+/-0.060 χ^2/NDF : 466989.5/23

Out: 357.126+/-0.058 χ^2/NDF : 1538131.1/26

All: 355.527+/-0.042 χ^2/NDF : 2006665.4/50

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 250.414 $\pm$ 2997.389 χ^2 /NDF: 0.0/0

Left Out: -12.545 $\pm$ 79.984 χ^2 /NDF:27.3/24

Right Out: -263.289 $\pm$ 854.217 χ^2 /NDF: 1.9/1

Left In: -31.531 $\pm$ 81.476 χ^2 /NDF:34.8/22

Left: -21.863 $\pm$ 57.077 χ^2 /NDF: 62.2/47

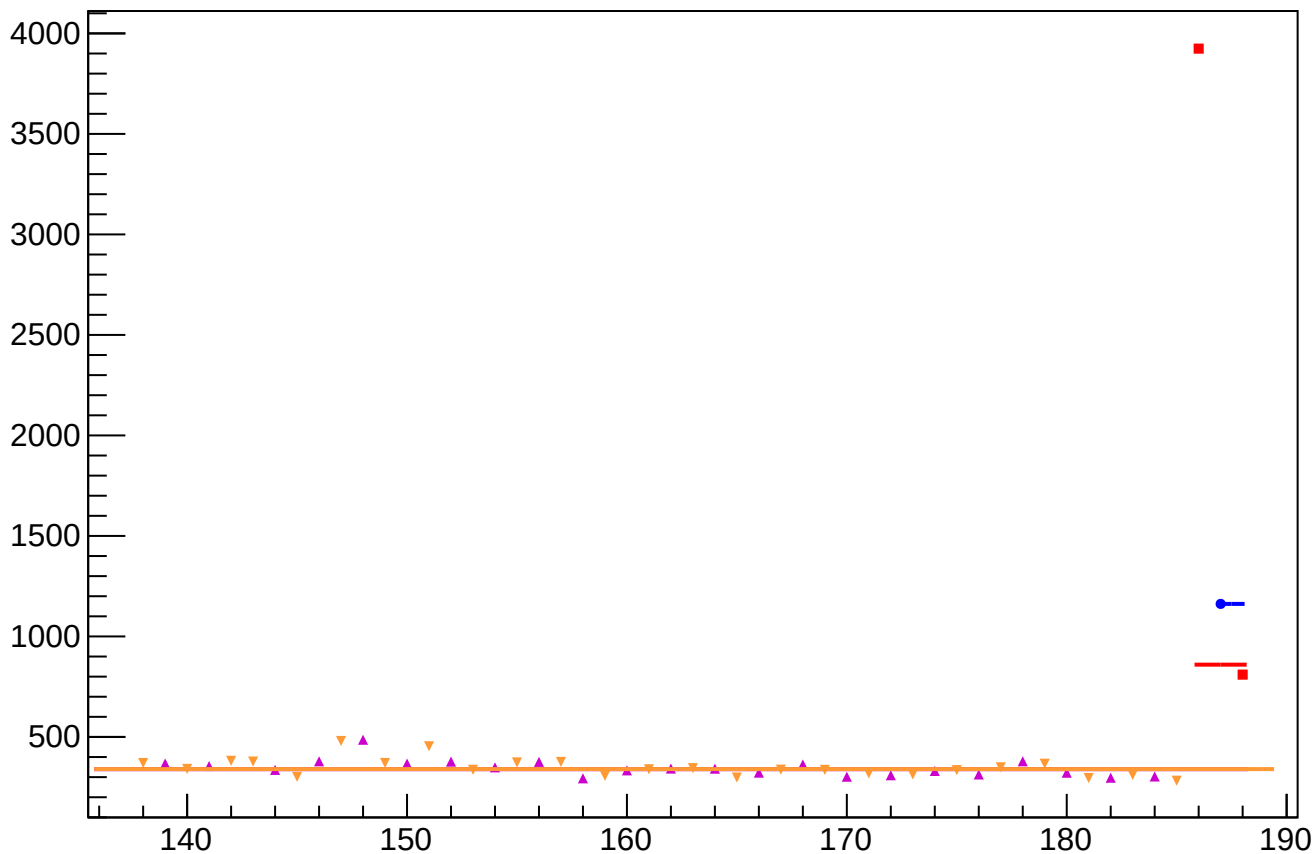
Right: -224.701 $\pm$ 821.508 χ^2 /NDF: 1.9/2

In: -31.323 $\pm$ 81.446 χ^2 /NDF:34.8/23

Out: -14.724 $\pm$ 79.636 χ^2 /NDF:29.4/26

All: -22.837 $\pm$ 56.940 χ^2 /NDF: 64.2/50

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 1161.863 $\pm$ 2.119 χ^2 /NDF: 0.0/0

Left Out: 340.018 $\pm$ 0.057 χ^2 /NDF: 465345.1/24

Right Out: 859.591 $\pm$ 0.604 χ^2 /NDF: 416759.1/1

Left In: 339.571 $\pm$ 0.058 χ^2 /NDF: 377816.0/22

Left: 339.799 $\pm$ 0.040 χ^2 /NDF: 843191.8/47

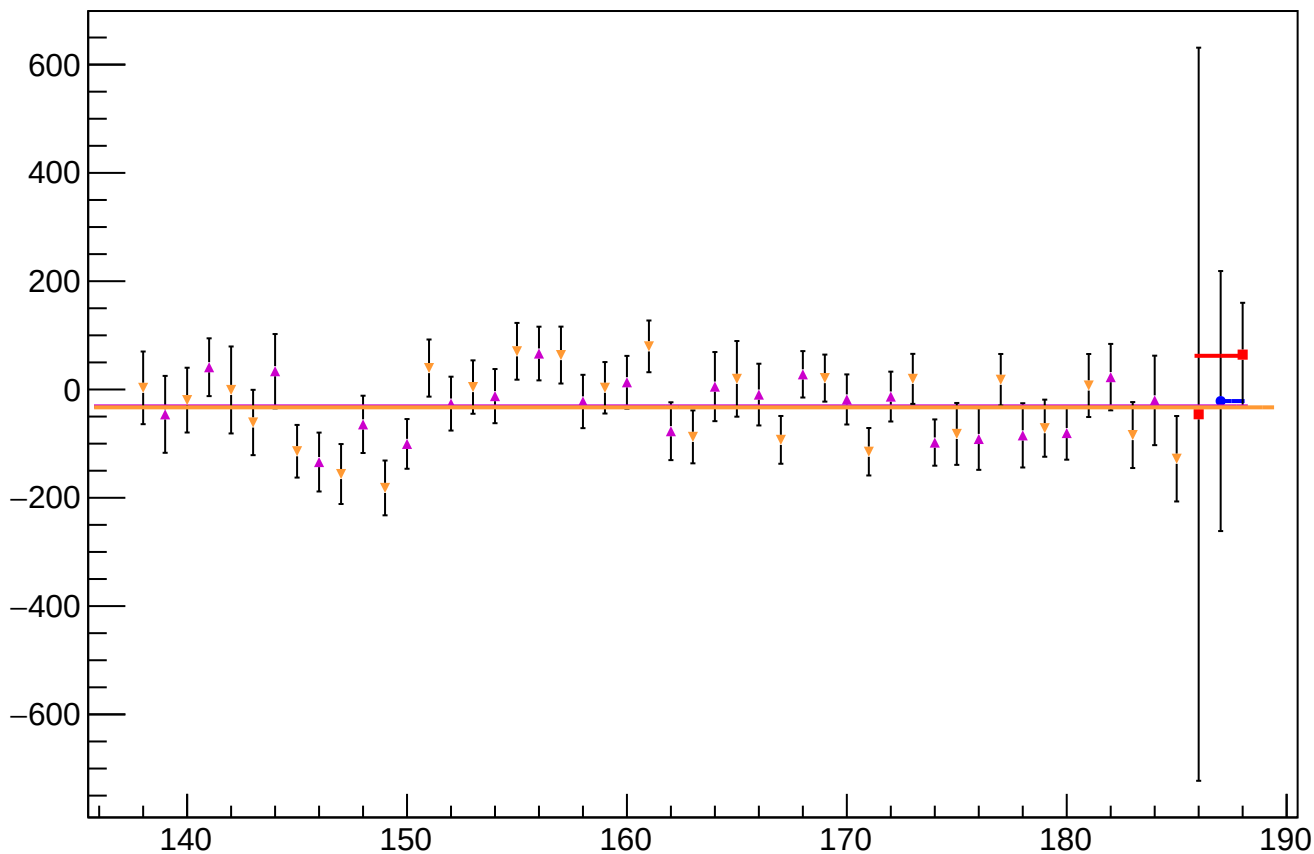
Right: 882.297 $\pm$ 0.581 χ^2 /NDF: 435570.7/2

In: 340.178 $\pm$ 0.058 χ^2 /NDF: 528225.3/23

Out: 344.534 $\pm$ 0.056 χ^2 /NDF: 1615595.7/26

All: 342.405 $\pm$ 0.040 χ^2 /NDF: 2146745.8/50

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -21.355 ± 240.102 χ^2/NDF : 0.0/0

Left Out: -32.964 ± 10.578 χ^2/NDF : 48.0/24

Right Out: 62.216 ± 94.779 χ^2/NDF : 0.0/1

Left In: -31.144 ± 10.958 χ^2/NDF : 23.4/22

Left: -32.086 ± 7.610 χ^2/NDF : 71.5/47

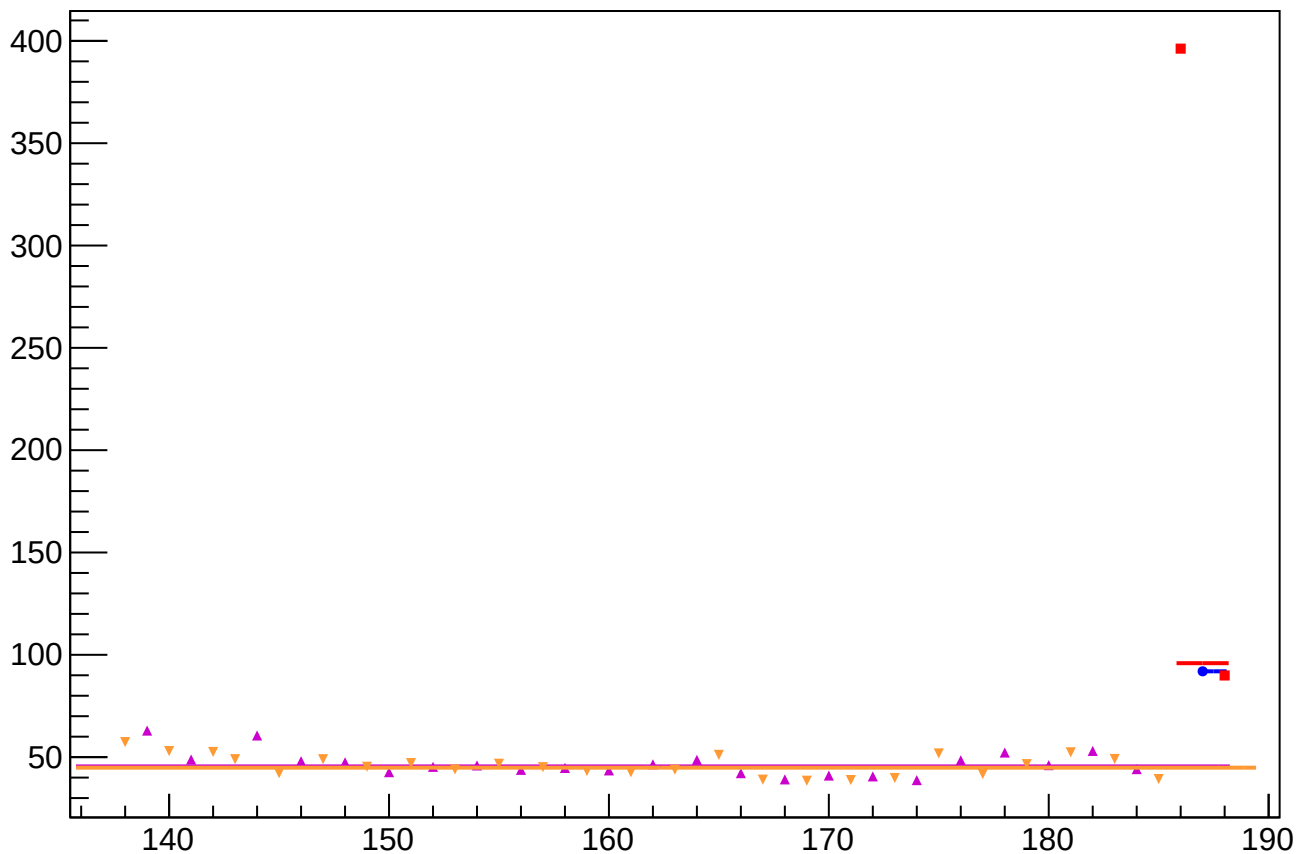
Right: 50.949 ± 88.159 χ^2/NDF : 0.1/2

In: -31.124 ± 10.946 χ^2/NDF : 23.4/23

Out: -31.793 ± 10.512 χ^2/NDF : 49.0/26

All: -31.472 ± 7.582 χ^2/NDF : 72.5/50

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 91.939 $\pm$ 0.170 χ^2 /NDF: 0.0/0

Left Out: 44.862 $\pm$ 0.007 χ^2 /NDF:415524.3/24

Right Out: 95.911 $\pm$ 0.067 χ^2 /NDF: 401444.4/1

Left In: 45.465 $\pm$ 0.008 χ^2 /NDF:457021.7/22

Left: 45.153 $\pm$ 0.005 χ^2 /NDF: 875681.9/47

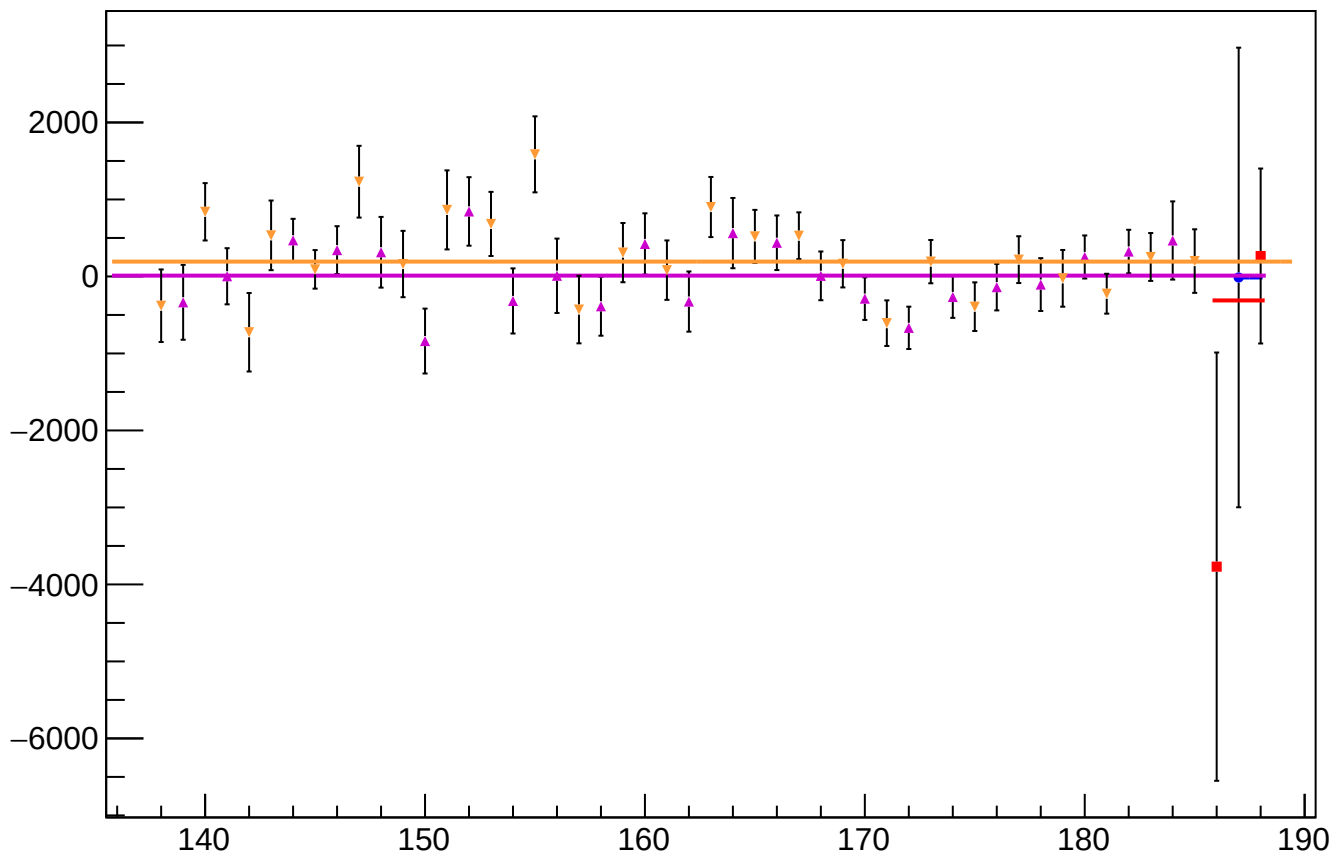
Right: 95.376 $\pm$ 0.062 χ^2 /NDF: 401918.0/2

In: 45.562 $\pm$ 0.008 χ^2 /NDF:531795.8/23

Out: 45.490 $\pm$ 0.007 χ^2 /NDF:1390039.5/26

All: 45.524 $\pm$ 0.005 χ^2 /NDF: 1921879.9/50

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -13.231+/-2984.722 χ^2/NDF : 0.0/0

Left Out: 192.946+/-70.968 χ^2/NDF :45.8/24

Right Out: -311.452+/-1051.759 χ^2/NDF : 1.8/1

Left In: 10.801+/-72.300 χ^2/NDF :30.2/22

Left: 103.567+/-50.646 χ^2/NDF : 79.3/47

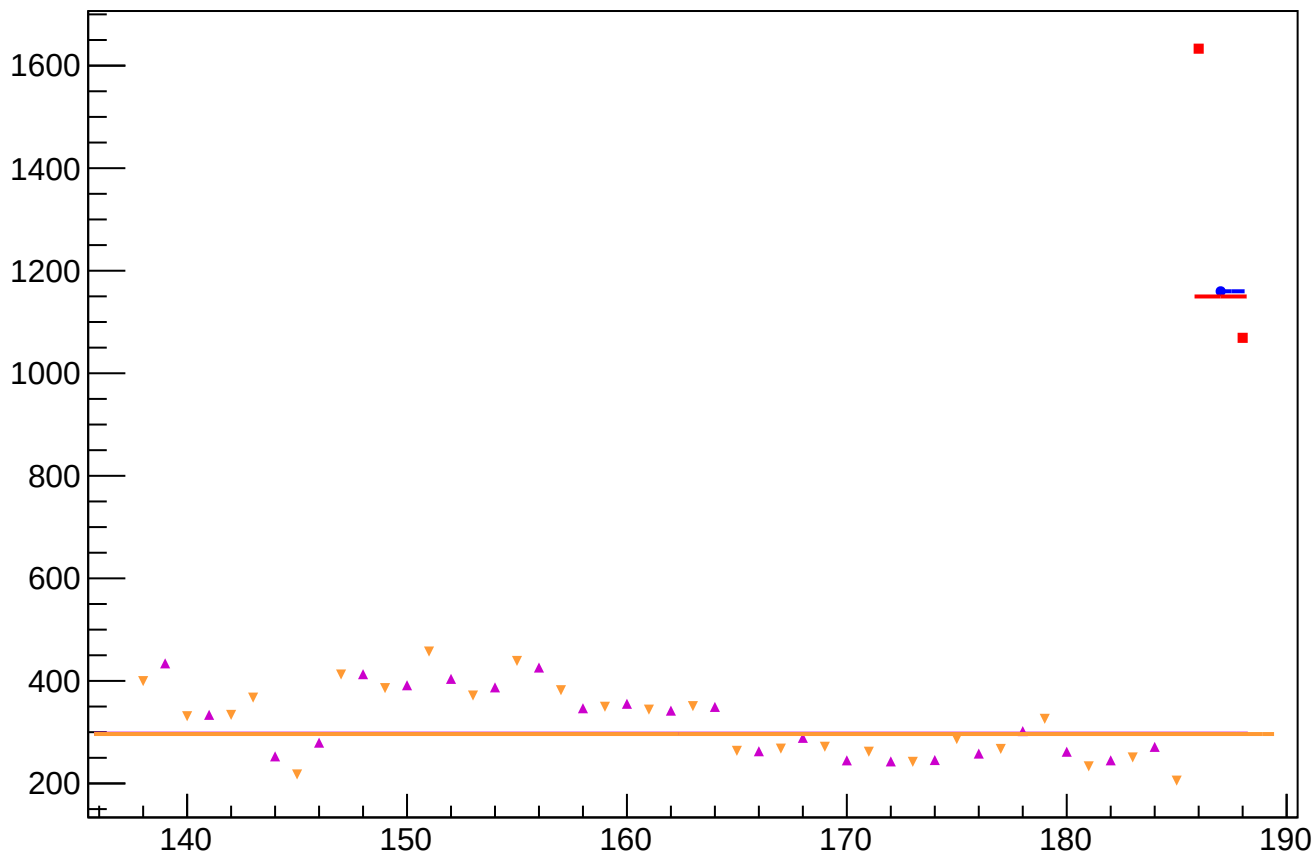
Right: -278.512+/-991.973 χ^2/NDF : 1.8/2

In: 10.787+/-72.279 χ^2/NDF :30.2/23

Out: 190.660+/-70.807 χ^2/NDF :47.9/26

All: 102.573+/-50.580 χ^2/NDF : 81.2/50

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 1159.918 $\pm$ 2.111 χ^2 /NDF: 0.0/0

Left Out: 296.383 $\pm$ 0.050 χ^2 /NDF:1635498.4/24

Right Out: 1149.773 $\pm$ 0.744 χ^2 /NDF: 70471.5/1

Left In: 297.137 $\pm$ 0.051 χ^2 /NDF:1320750.3/22

Left: 296.753 $\pm$ 0.036 χ^2 /NDF: 2956359.4/47

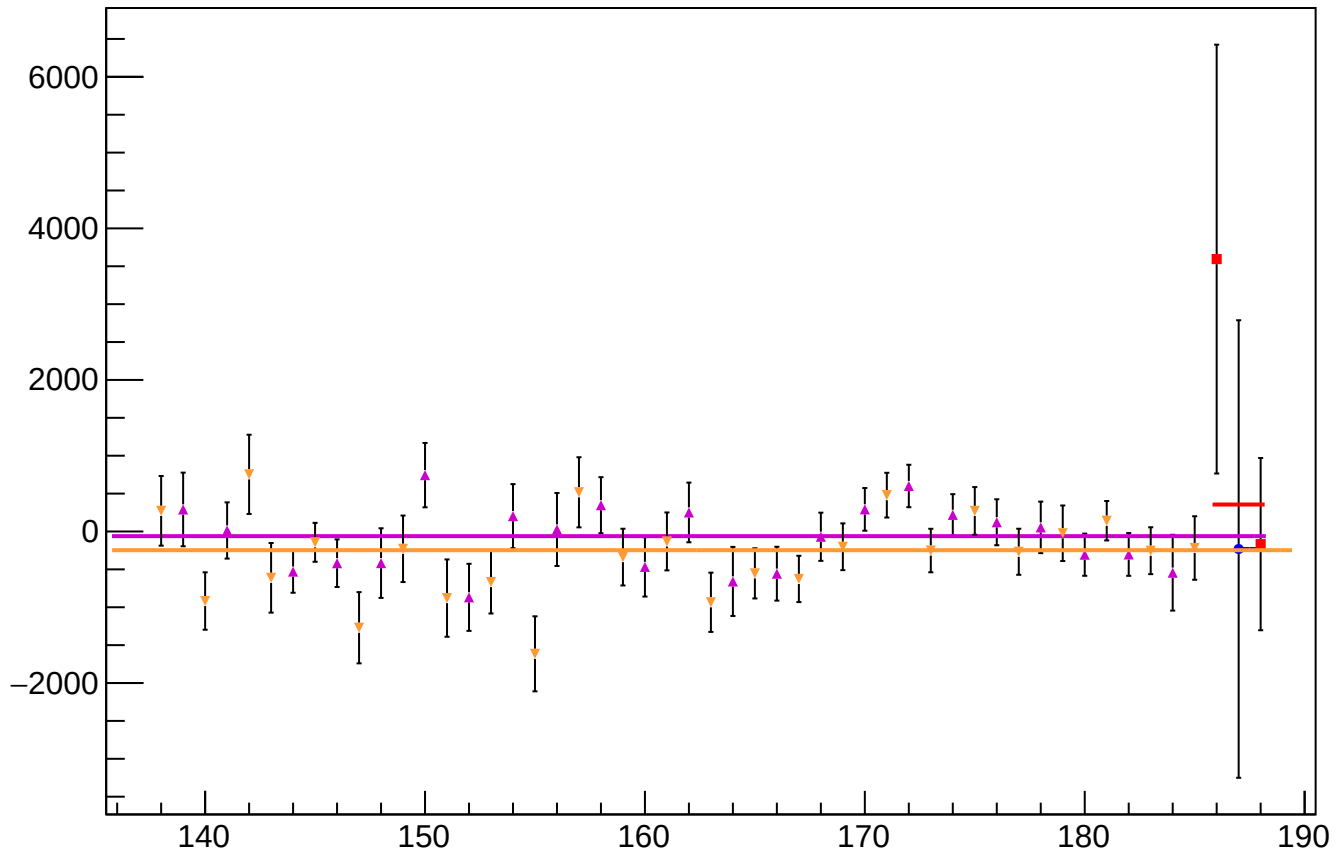
Right: 1150.894 $\pm$ 0.701 χ^2 /NDF: 70492.0/2

In: 297.643 $\pm$ 0.051 χ^2 /NDF:1487770.1/23

Out: 300.251 $\pm$ 0.050 χ^2 /NDF:3016718.9/26

All: 298.974 $\pm$ 0.036 χ^2 /NDF: 4505817.9/50

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -231.571 $\pm$ 3019.116 χ^2 /NDF: 0.0/0

Left Out: -247.108 $\pm$ 71.218 χ^2 /NDF:43.6/24

Right Out: 355.868 $\pm$ 1054.774 χ^2 /NDF: 1.5/1

Left In: -61.707 $\pm$ 72.478 χ^2 /NDF:30.3/22

Left: -156.032 $\pm$ 50.798 χ^2 /NDF: 77.2/47

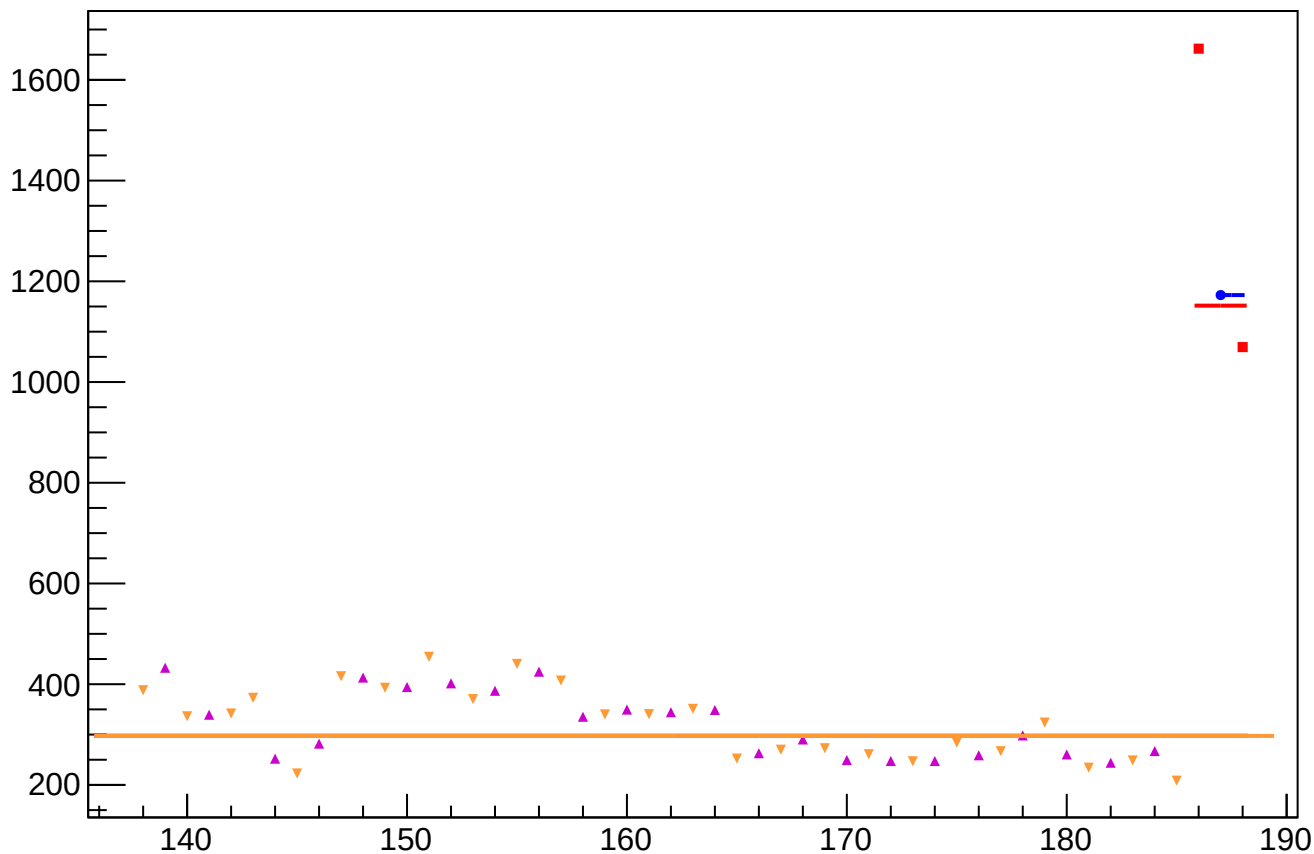
Right: 291.967 $\pm$ 995.755 χ^2 /NDF: 1.6/2

In: -61.805 $\pm$ 72.457 χ^2 /NDF:30.3/23

Out: -244.371 $\pm$ 71.056 χ^2 /NDF:45.4/26

All: -154.869 $\pm$ 50.732 χ^2 /NDF: 79.0/50

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 1172.669+/-2.135 χ^2/NDF : 0.0/0

Left Out: 297.273+/-0.050 χ^2/NDF :1627904.5/24

Right Out: 1151.722+/-0.746 χ^2/NDF : 75521.8/1

Left In: 297.696+/-0.051 χ^2/NDF :1274607.7/22

Left: 297.481+/-0.036 χ^2/NDF : 2902547.0/47

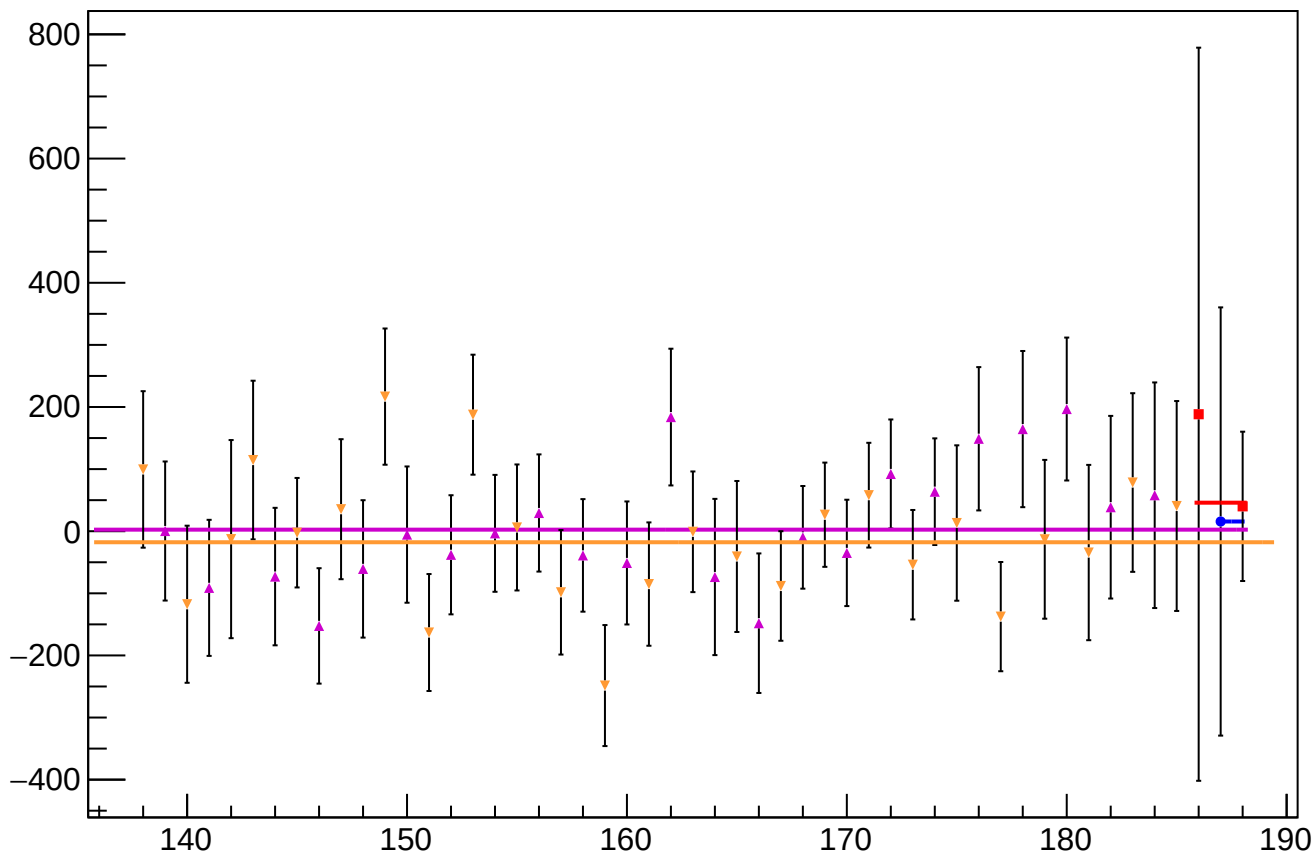
Right: 1154.001+/-0.704 χ^2/NDF : 75607.6/2

In: 298.200+/-0.051 χ^2/NDF :1442491.6/23

Out: 301.151+/-0.050 χ^2/NDF :3009921.6/26

All: 299.704+/-0.036 χ^2/NDF : 4454103.5/50

dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 15.653 $\pm$ 344.749 χ^2 /NDF: 0.0/0

Left Out: -17.764 $\pm$ -21.121 χ^2 /NDF:25.5/24

Right Out: 45.937 $\pm$ -117.798 χ^2 /NDF: 0.1/1

Left In: 2.505 $\pm$ -21.582 χ^2 /NDF:18.0/22

Left: -7.848 $\pm$ -15.095 χ^2 /NDF: 44.0/47

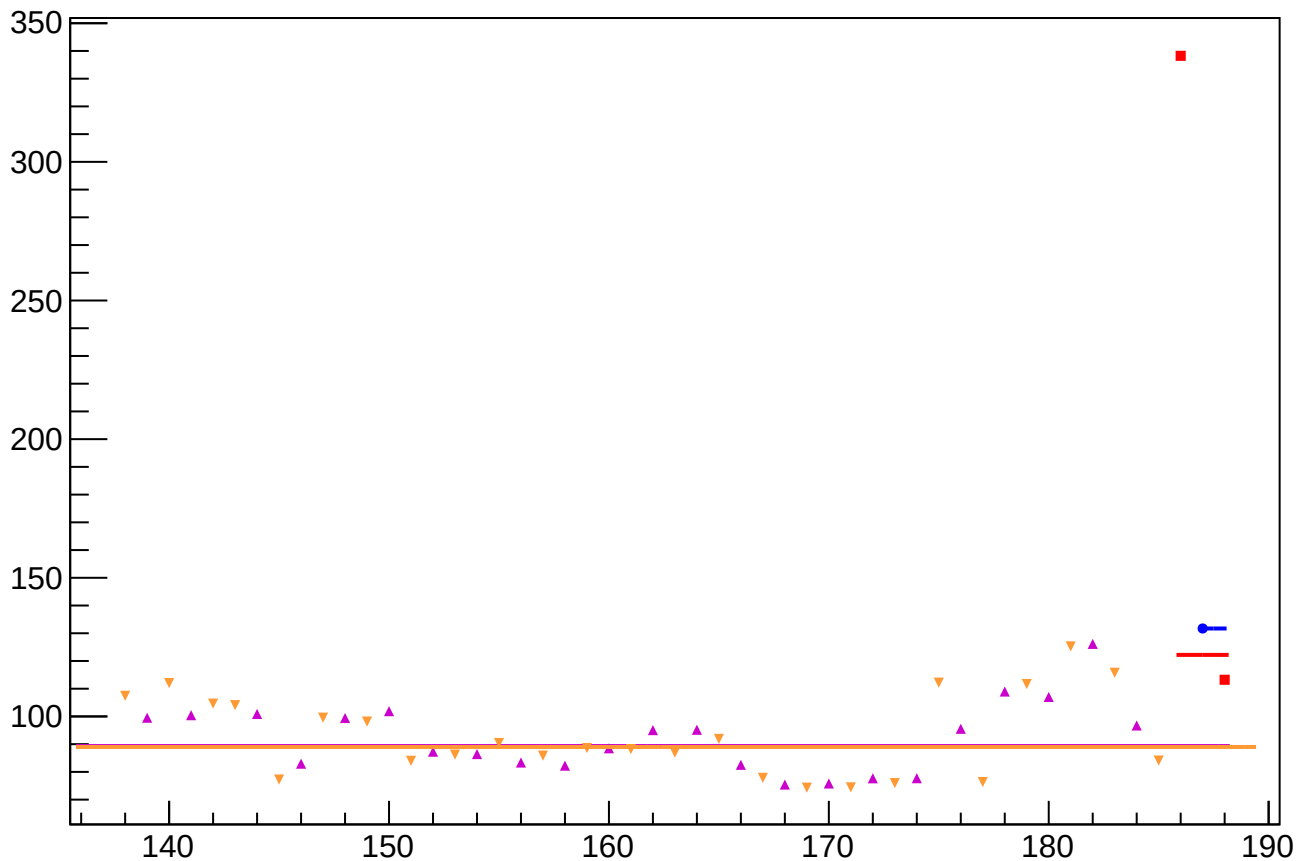
Right: 42.771 $\pm$ -111.470 χ^2 /NDF: 0.1/2

In: 2.557 $\pm$ -21.540 χ^2 /NDF:18.0/23

Out: -15.780 $\pm$ -20.789 χ^2 /NDF:25.9/26

All: -6.937 $\pm$ -14.959 χ^2 /NDF: 44.2/50

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 131.717 $\pm$ 0.244 χ^2 /NDF: 0.0/0

Left Out: 88.991 $\pm$ 0.015 χ^2 /NDF:807471.2/24

Right Out: 122.195 $\pm$ 0.083 χ^2 /NDF: 279105.3/1

Left In: 89.321 $\pm$ 0.015 χ^2 /NDF:560433.9/22

Left: 89.152 $\pm$ 0.011 χ^2 /NDF: 1368144.9/47

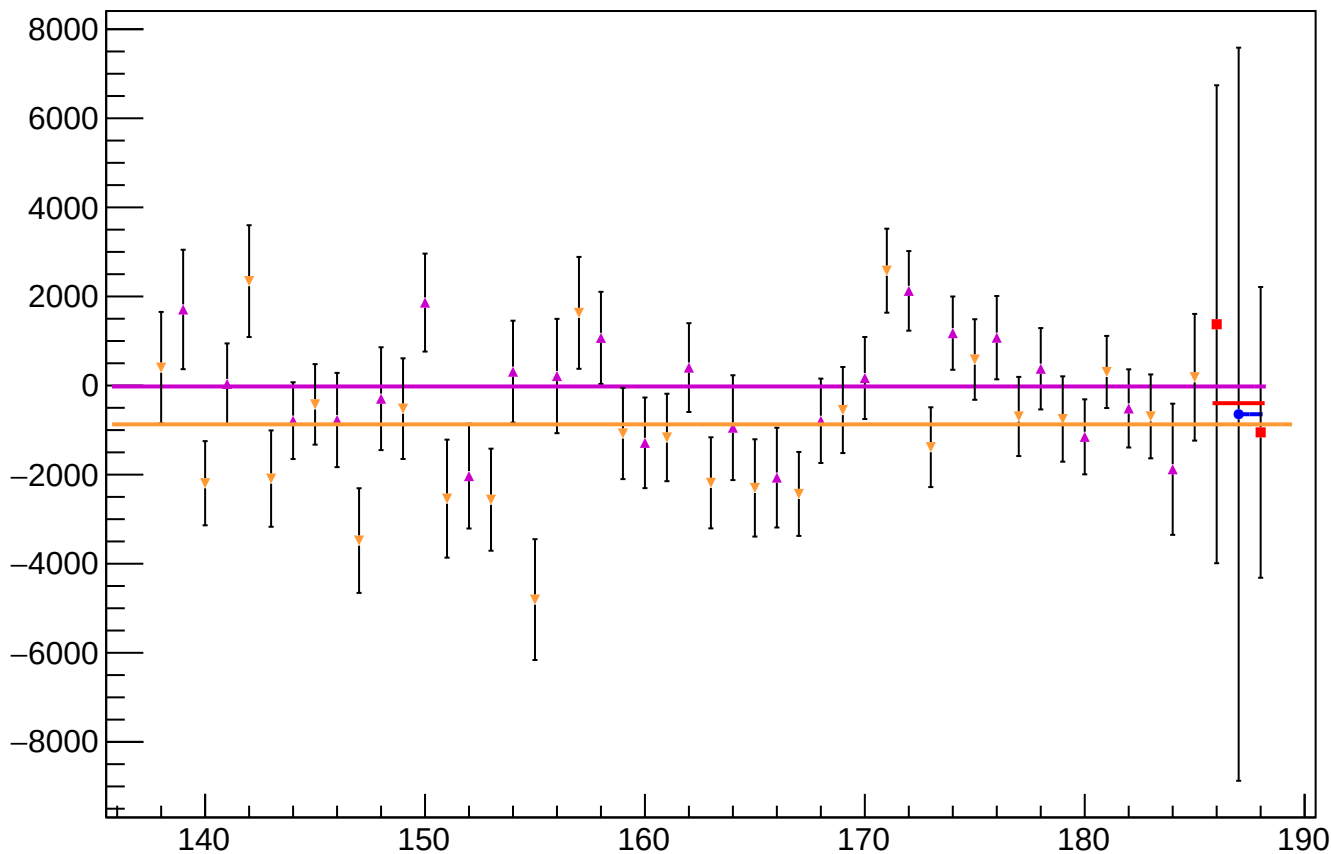
Right: 123.190 $\pm$ 0.079 χ^2 /NDF: 280471.8/2

In: 89.487 $\pm$ 0.015 χ^2 /NDF:590562.3/23

Out: 90.025 $\pm$ 0.015 χ^2 /NDF:1240530.9/26

All: 89.765 $\pm$ 0.011 χ^2 /NDF: 1831739.0/50

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -644.011 $\pm$ 8229.378 χ^2 /NDF: 0.0/0

Left Out: -871.061 $\pm$ 205.986 χ^2 /NDF:57.6/24

Right Out: -395.691 $\pm$ 2788.401 χ^2 /NDF: 0.1/1

Left In: -20.573 $\pm$ 210.177 χ^2 /NDF:29.7/22

Left: -454.381 $\pm$ 147.113 χ^2 /NDF: 95.6/47

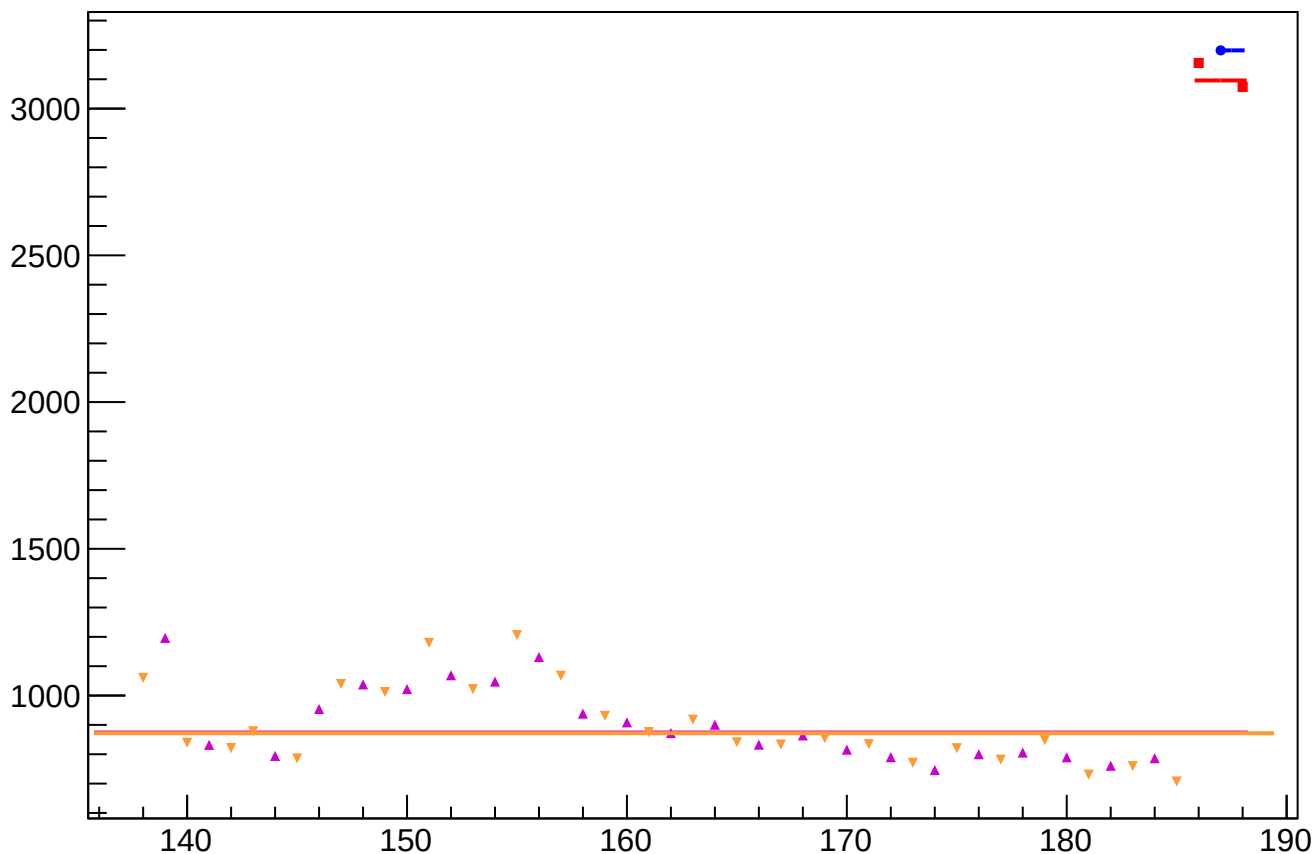
Right: -421.265 $\pm$ 2640.918 χ^2 /NDF: 0.2/2

In: -20.980 $\pm$ 210.108 χ^2 /NDF:29.7/23

Out: -868.481 $\pm$ 205.426 χ^2 /NDF:57.8/26

All: -454.279 $\pm$ 146.885 χ^2 /NDF: 95.8/50

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 3198.428+/-5.819 χ^2/NDF : 0.0/0

Left Out: 871.690+/-0.146 χ^2/NDF : 642403.4/24

Right Out: 3095.881+/-1.972 χ^2/NDF : 340.0/1

Left In: 874.055+/-0.149 χ^2/NDF : 578510.6/22

Left: 872.849+/-0.104 χ^2/NDF : 1221043.2/47

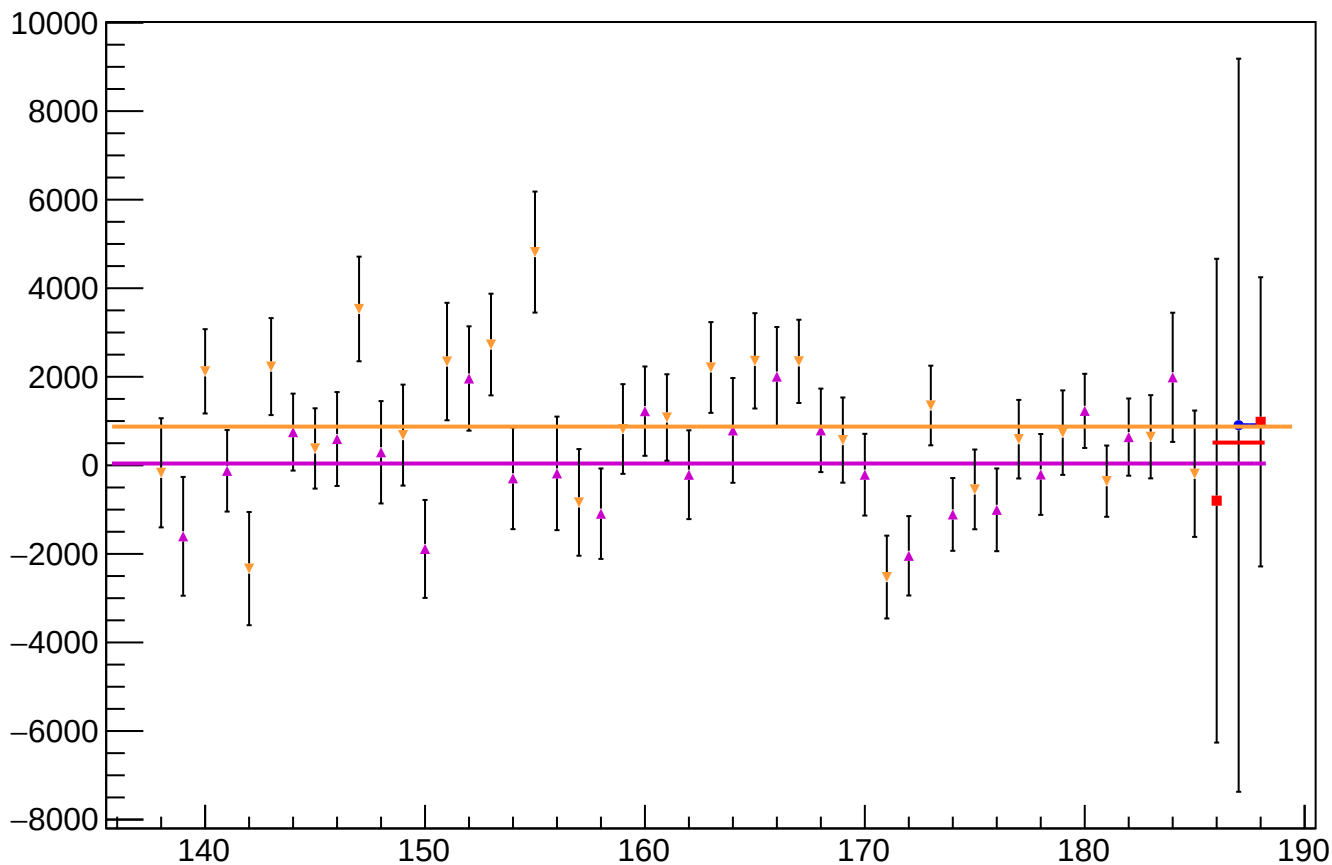
Right: 3106.442+/-1.867 χ^2/NDF : 618.6/2

In: 875.571+/-0.149 χ^2/NDF : 737960.5/23

Out: 883.762+/-0.145 χ^2/NDF : 1908353.6/26

All: 879.759+/-0.104 χ^2/NDF : 2647868.4/50

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 905.920 $\pm$ 8278.654 χ^2 /NDF: 0.0/0

Left Out: 875.084 $\pm$ 205.572 χ^2 /NDF:55.1/24

Right Out: 513.997 $\pm$ 2802.864 χ^2 /NDF: 0.1/1

Left In: 41.523 $\pm$ 210.209 χ^2 /NDF:28.1/22

Left: 467.597 $\pm$ 146.973 χ^2 /NDF: 91.2/47

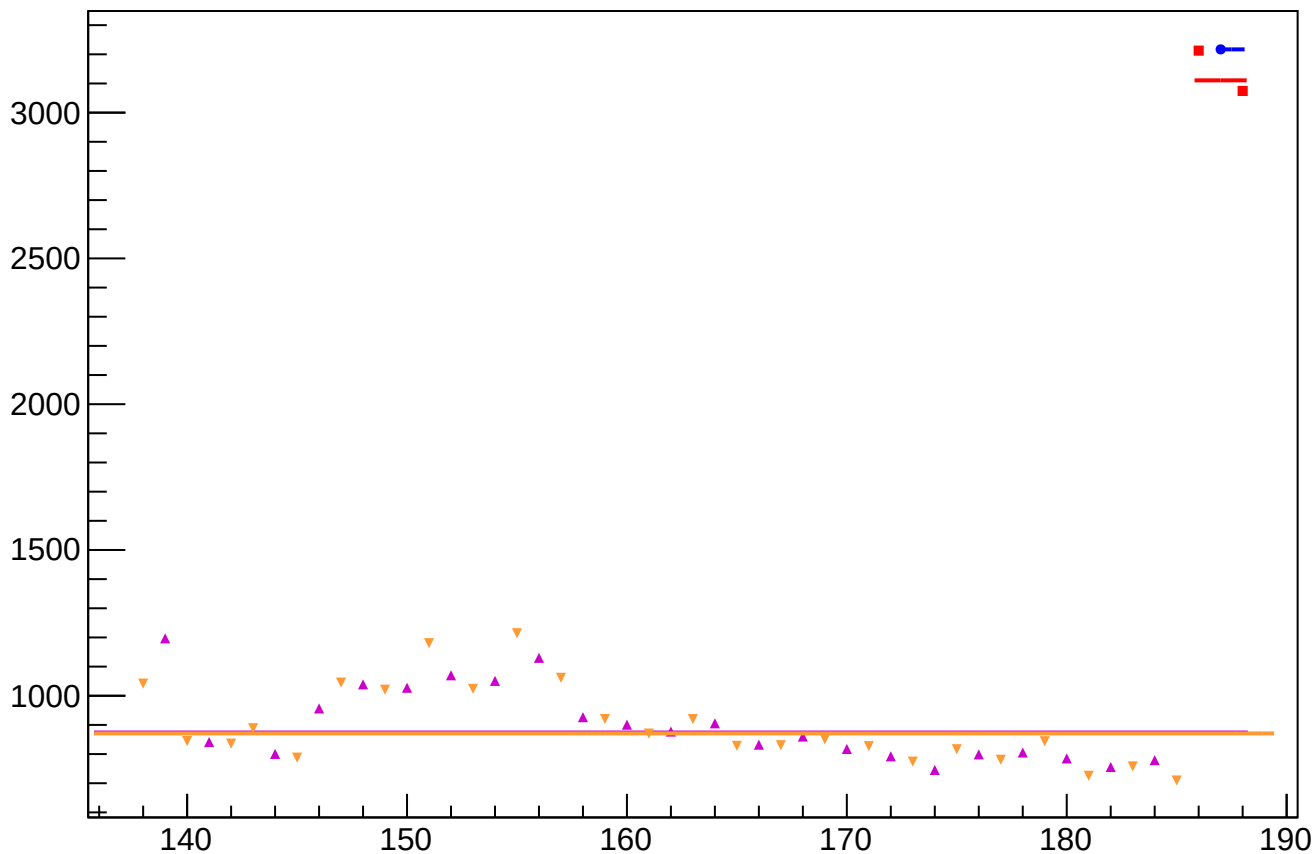
Right: 554.302 $\pm$ 2654.834 χ^2 /NDF: 0.1/2

In: 42.080 $\pm$ 210.141 χ^2 /NDF:28.1/23

Out: 873.152 $\pm$ 205.021 χ^2 /NDF:55.2/26

All: 467.862 $\pm$ 146.749 χ^2 /NDF: 91.3/50

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 3216.942 $\pm$ 5.854 χ^2 /NDF: 0.0/0

Left Out: 870.853 $\pm$ 0.145 χ^2 /NDF:651805.6/24

Right Out: 3110.720 $\pm$ 1.982 χ^2 /NDF: 945.0/1

Left In: 873.902 $\pm$ 0.149 χ^2 /NDF:583344.5/22

Left: 872.344 $\pm$ 0.104 χ^2 /NDF: 1235365.2/47

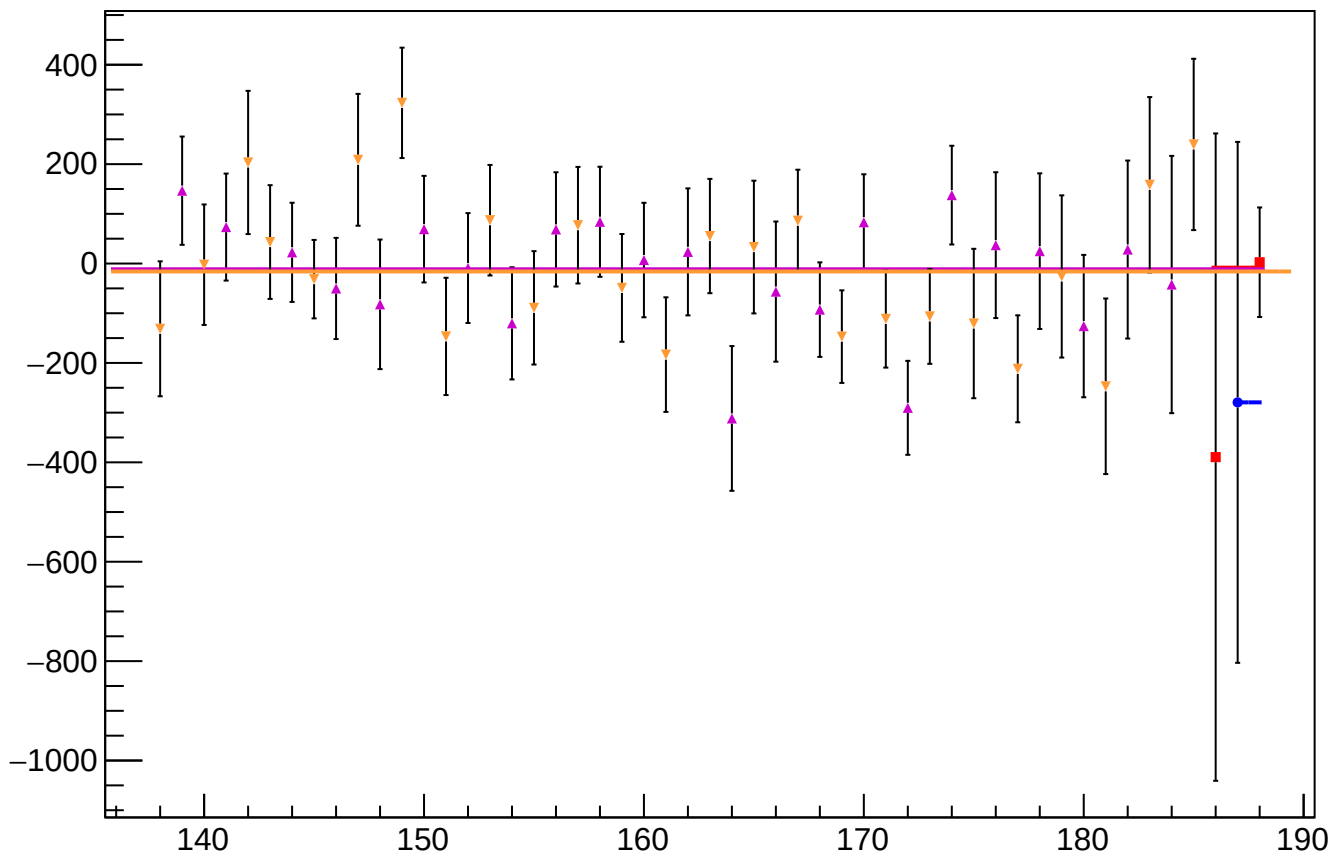
Right: 3121.644 $\pm$ 1.877 χ^2 /NDF: 1240.4/2

In: 875.412 $\pm$ 0.149 χ^2 /NDF:743444.0/23

Out: 882.837 $\pm$ 0.145 χ^2 /NDF:1923150.4/26

All: 879.216 $\pm$ 0.104 χ^2 /NDF: 2667873.8/50

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -279.336 ± 524.108 χ^2/NDF : 0.0/0

Left Out: -15.956 ± 23.377 χ^2/NDF : 34.9/24

Right Out: -8.309 ± 108.678 χ^2/NDF : 0.4/1

Left In: -11.570 ± 24.412 χ^2/NDF : 24.0/22

Left: -13.858 ± 16.884 χ^2/NDF : 58.9/47

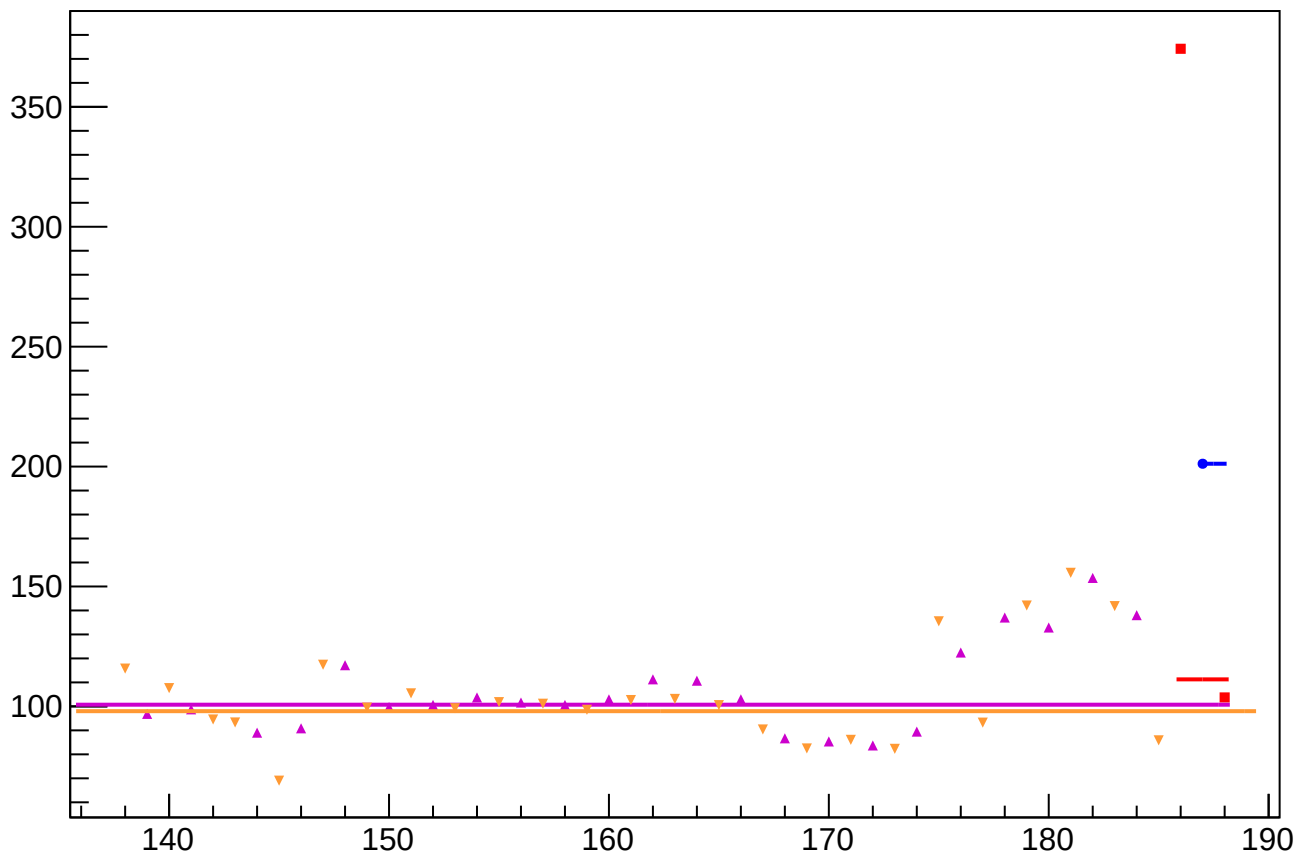
Right: -19.482 ± 106.414 χ^2/NDF : 0.6/2

In: -12.149 ± 24.385 χ^2/NDF : 24.2/23

Out: -15.617 ± 22.854 χ^2/NDF : 35.3/26

All: -13.996 ± 16.676 χ^2/NDF : 59.5/50

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 201.182 $\pm$ 0.371 χ^2 /NDF: 0.0/0

Left Out: 98.001 $\pm$ 0.017 χ^2 /NDF:1155021.9/24

Right Out: 111.265 $\pm$ 0.077 χ^2 /NDF: 335360.1/1

Left In: 100.704 $\pm$ 0.017 χ^2 /NDF:759922.8/22

Left: 99.294 $\pm$ 0.012 χ^2 /NDF: 1927728.9/47

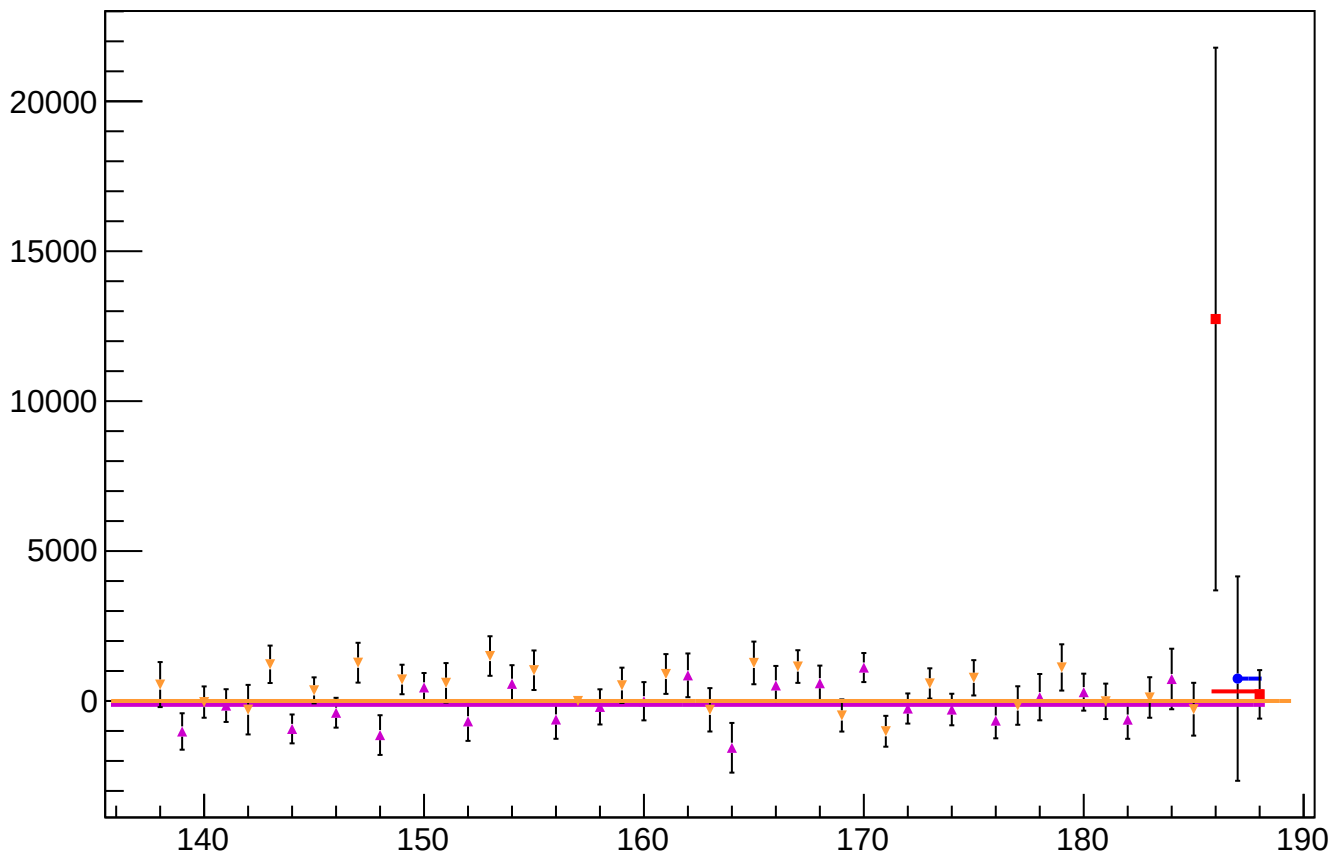
Right: 114.972 $\pm$ 0.075 χ^2 /NDF: 391800.5/2

In: 100.921 $\pm$ 0.017 χ^2 /NDF:833271.4/23

Out: 98.588 $\pm$ 0.016 χ^2 /NDF:1518854.0/26

All: 99.679 $\pm$ 0.012 χ^2 /NDF: 2361873.5/50

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 746.321+/-3408.355 χ^2/NDF : 0.0/0

Left Out: -0.000+/-0.000 χ^2/NDF : 39.9/24

Right Out: 319.826+/-805.841 χ^2/NDF : 1.9/1

Left In: -129.094+/-124.247 χ^2/NDF : 28.3/22

Left: -0.000+/-0.000 χ^2/NDF : 69.3/47

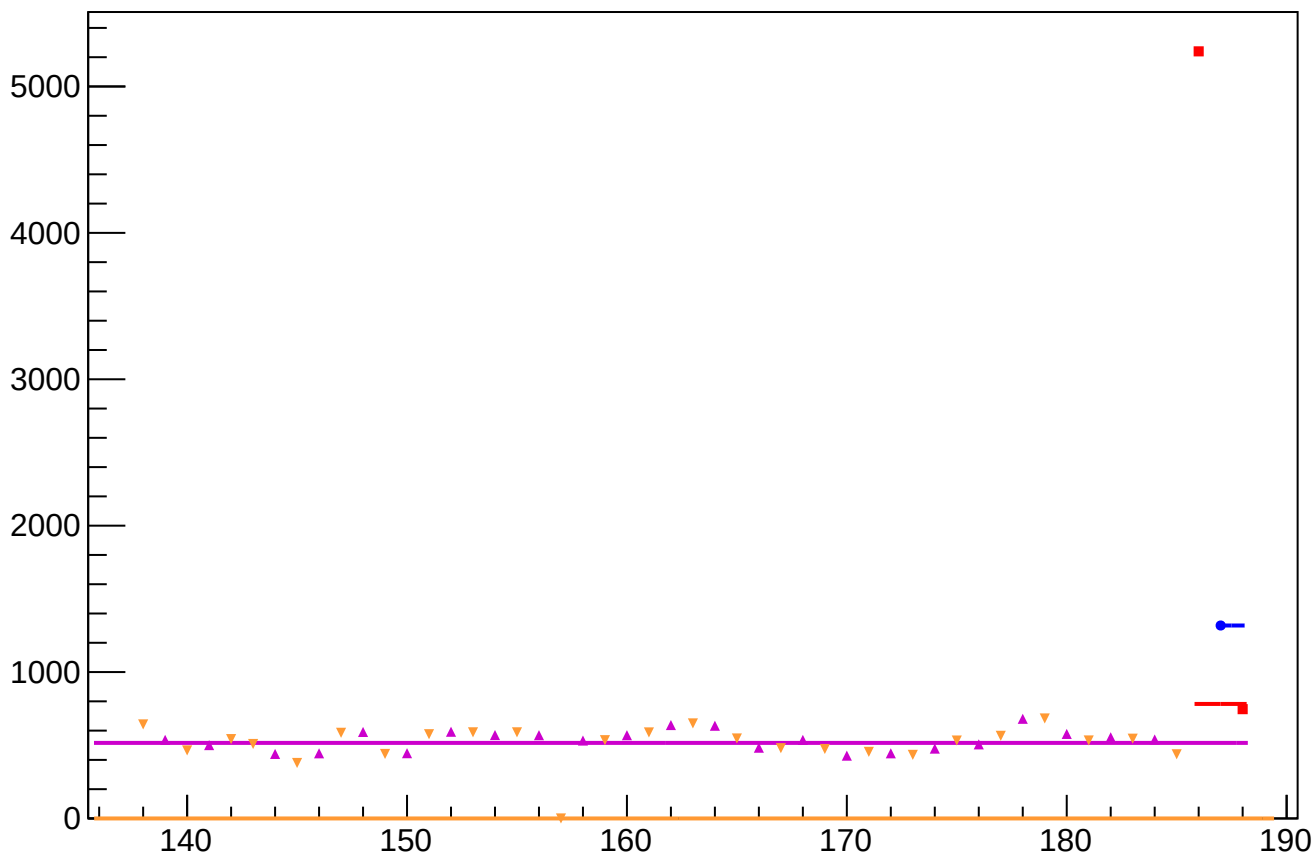
Right: 342.404+/-784.220 χ^2/NDF : 1.9/2

In: -127.932+/-124.164 χ^2/NDF : 28.4/23

Out: -0.000+/-0.000 χ^2/NDF : 41.9/26

All: -0.000+/-0.000 χ^2/NDF : 71.4/50

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1318.004 $\pm$ 2.410 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 34974091.9/24

Right Out: 782.246 $\pm$ 0.570 χ^2 /NDF: 489113.9/1

Left In: 516.120 $\pm$ 0.088 χ^2 /NDF: 571744.7/22

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 70057167.0/47

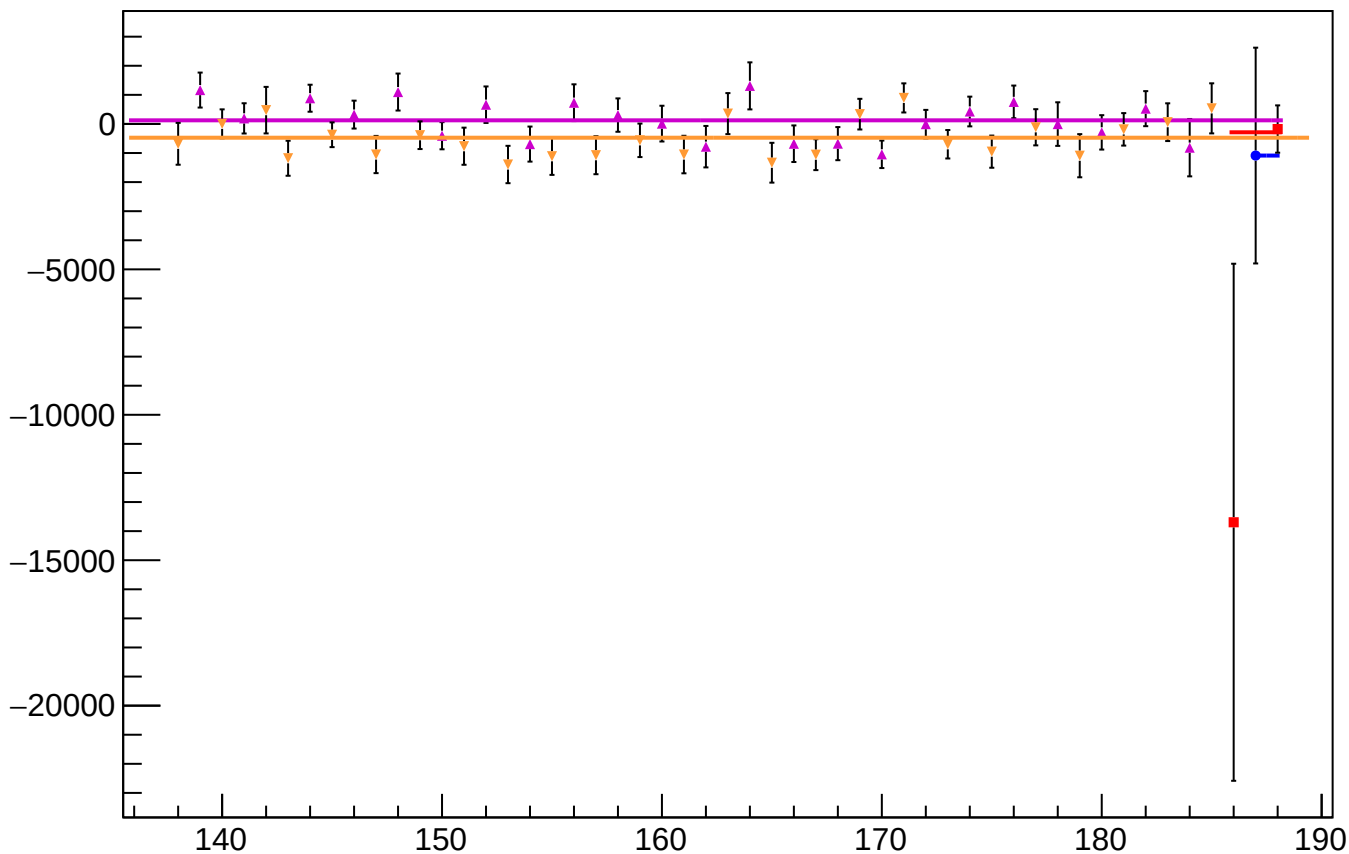
Right: 810.609 $\pm$ 0.555 χ^2 /NDF: 535914.8/2

In: 517.184 $\pm$ 0.088 χ^2 /NDF: 682301.7/23

Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 37347801.2/26

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 72729946.8/50

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -1087.606 ± 3709.487 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -473.870 ± 117.977 $\chi^2/\text{NDF}: 27.9/24$

Right Out: -287.613 ± 809.898 $\chi^2/\text{NDF}: 2.3/1$

Left In: 124.022 ± 120.216 $\chi^2/\text{NDF}: 30.2/22$

Left: -180.543 ± 84.203 $\chi^2/\text{NDF}: 70.7/47$

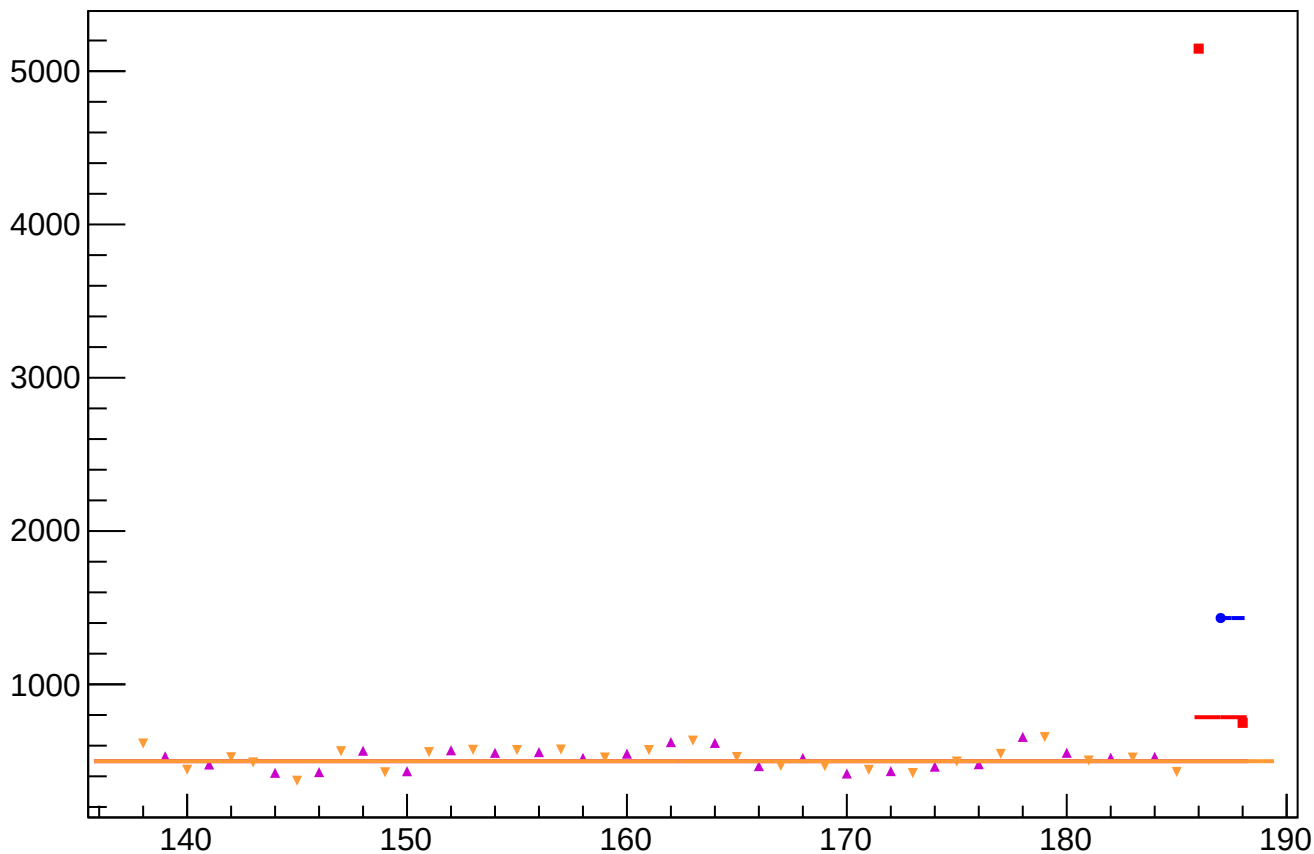
Right: -324.012 ± 791.258 $\chi^2/\text{NDF}: 2.3/2$

In: 122.751 ± 120.153 $\chi^2/\text{NDF}: 30.3/23$

Out: -470.000 ± 116.745 $\chi^2/\text{NDF}: 30.3/26$

All: -182.150 ± 83.730 $\chi^2/\text{NDF}: 73.1/50$

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 1432.394+/-2.623 χ^2/NDF : 0.0/0

Left Out: 498.662+/-0.083 χ^2/NDF : 734652.4/24

Right Out: 785.543+/-0.573 χ^2/NDF : 485568.5/1

Left In: 498.835+/-0.085 χ^2/NDF : 572334.3/22

Left: 498.747+/-0.060 χ^2/NDF : 1306988.8/47

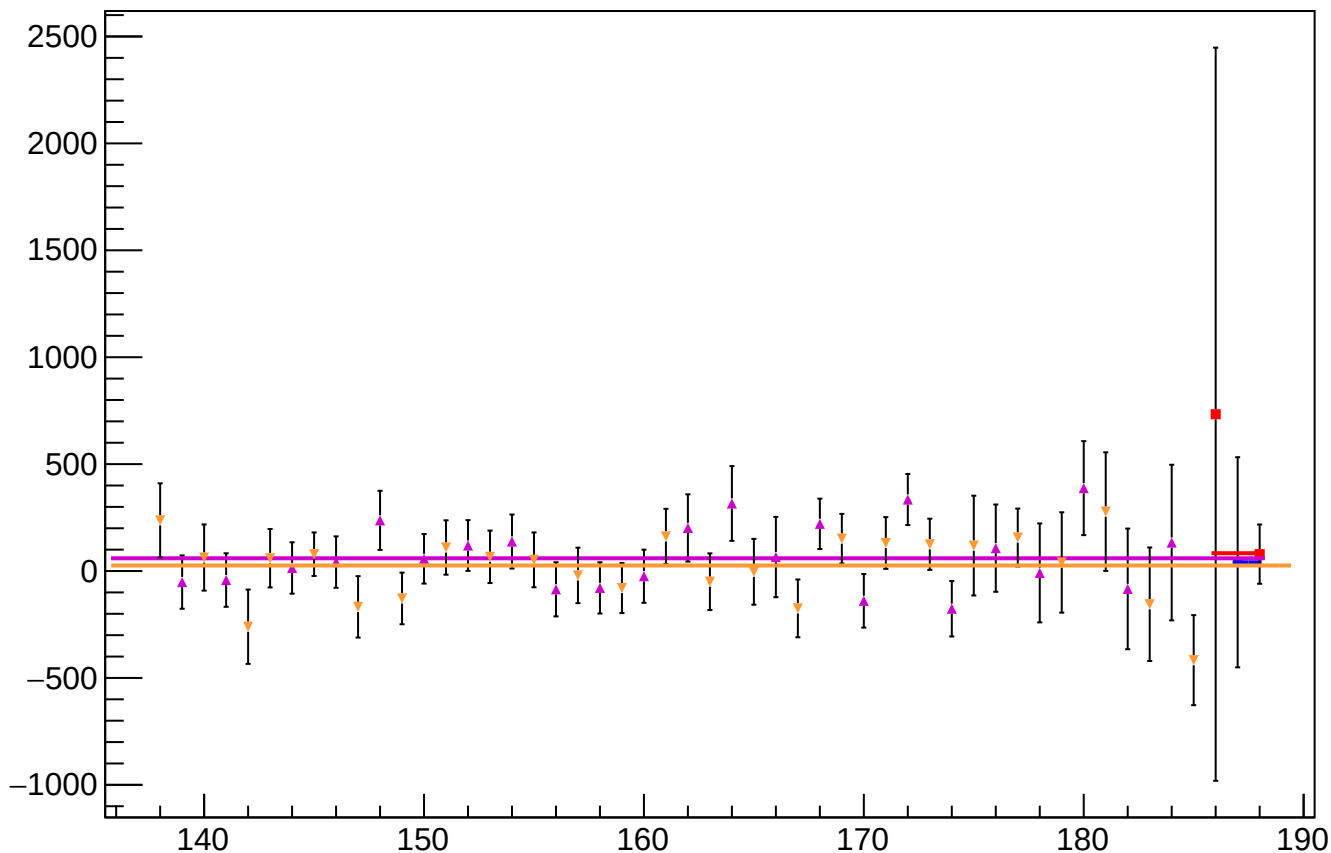
Right: 814.974+/-0.560 χ^2/NDF : 543616.6/2

In: 499.814+/-0.085 χ^2/NDF : 698875.1/23

Out: 504.623+/-0.083 χ^2/NDF : 1465947.5/26

All: 502.288+/-0.059 χ^2/NDF : 2166470.6/50

dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 40.971 $\pm$ 491.377 χ^2 /NDF: 0.0/0

Left Out: 25.940 $\pm$ 28.120 χ^2 /NDF:22.7/24

Right Out: 83.270 $\pm$ 138.062 χ^2 /NDF: 0.1/1

Left In: 59.603 $\pm$ 29.184 χ^2 /NDF:25.6/22

Left: 42.147 $\pm$ 20.250 χ^2 /NDF: 49.0/47

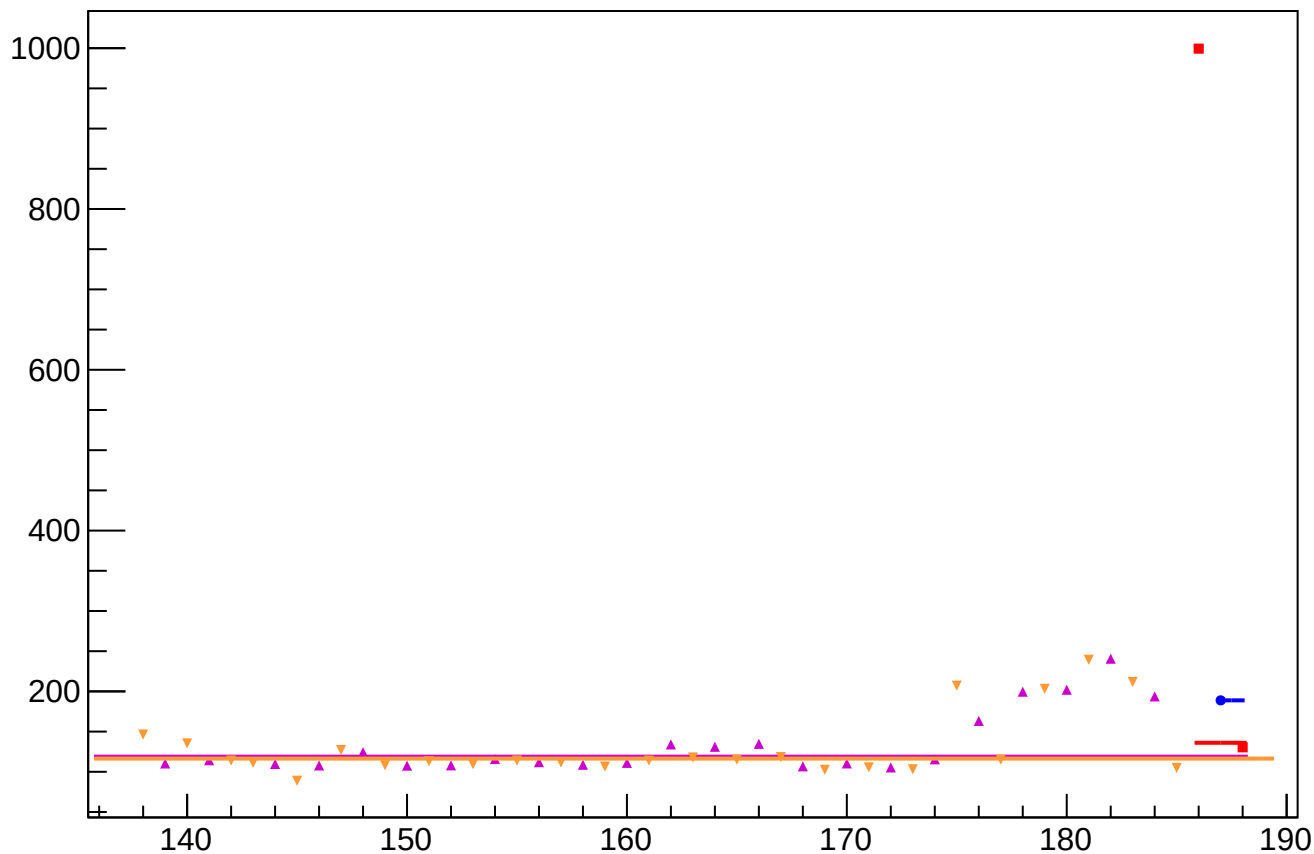
Right: 80.175 $\pm$ 132.915 χ^2 /NDF: 0.2/2

In: 59.538 $\pm$ 29.132 χ^2 /NDF:25.6/23

Out: 28.223 $\pm$ 27.555 χ^2 /NDF:23.0/26

All: 43.010 $\pm$ 20.019 χ^2 /NDF: 49.2/50

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 188.839 $\pm$ 0.347 χ^2 /NDF: 0.0/0

Left Out: 116.427 $\pm$ 0.020 χ^2 /NDF:1589669.4/24

Right Out: 136.092 $\pm$ 0.098 χ^2 /NDF: 510505.9/1

Left In: 118.822 $\pm$ 0.021 χ^2 /NDF:1289178.7/22

Left: 117.580 $\pm$ 0.014 χ^2 /NDF: 2885830.3/47

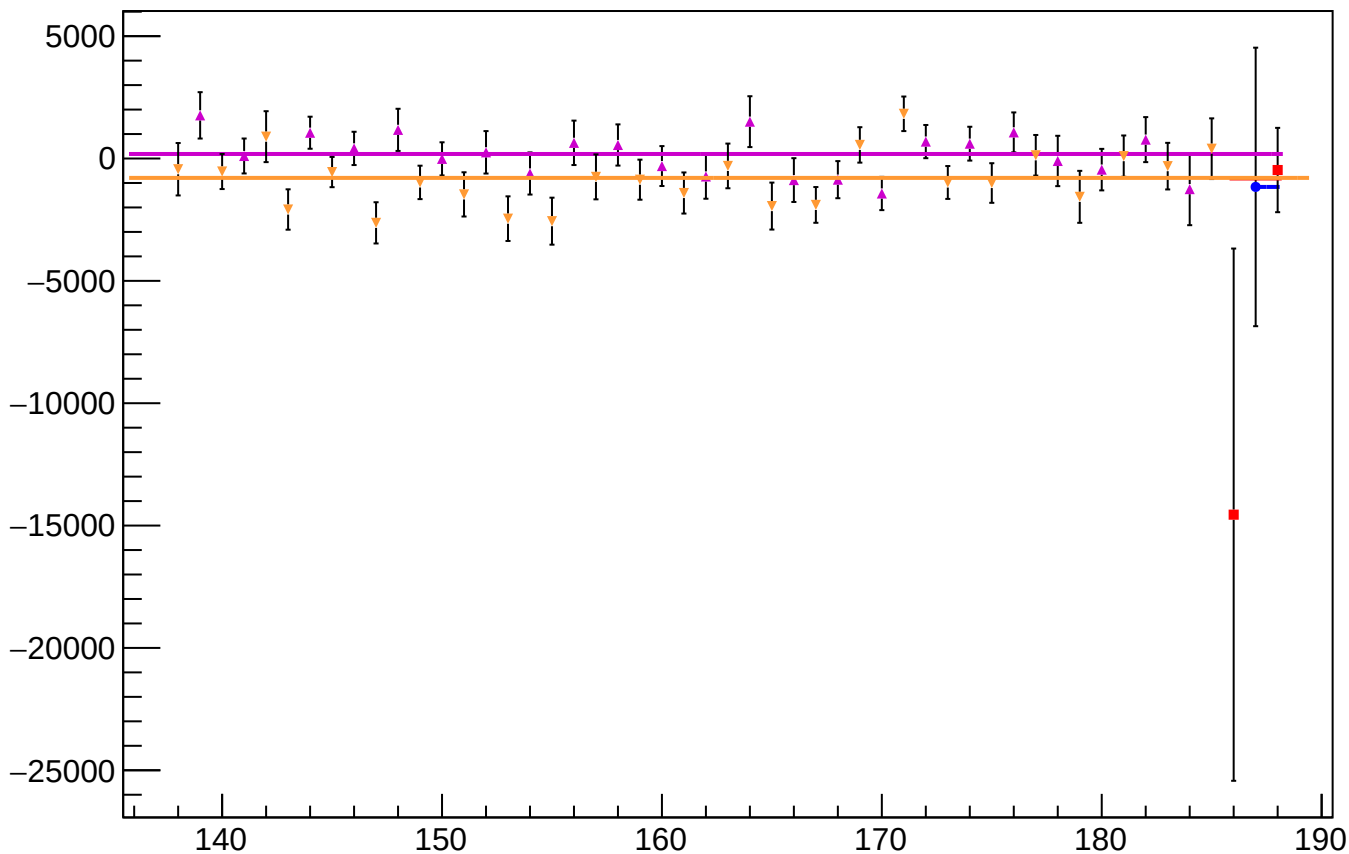
Right: 139.952 $\pm$ 0.094 χ^2 /NDF: 531865.7/2

In: 119.068 $\pm$ 0.021 χ^2 /NDF:1329643.9/23

Out: 117.211 $\pm$ 0.019 χ^2 /NDF:2139134.7/26

All: 118.088 $\pm$ 0.014 χ^2 /NDF: 3473069.6/50

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



Right In: -1161.362 ± 5691.023 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -791.963 ± 165.971 $\chi^2/\text{NDF}: 43.6/24$

Right Out: -815.614 ± 1701.973 $\chi^2/\text{NDF}: 1.6/1$

Left In: 185.191 ± 169.174 $\chi^2/\text{NDF}: 23.4/22$

Left: -312.725 ± 118.475 $\chi^2/\text{NDF}: 84.0/47$

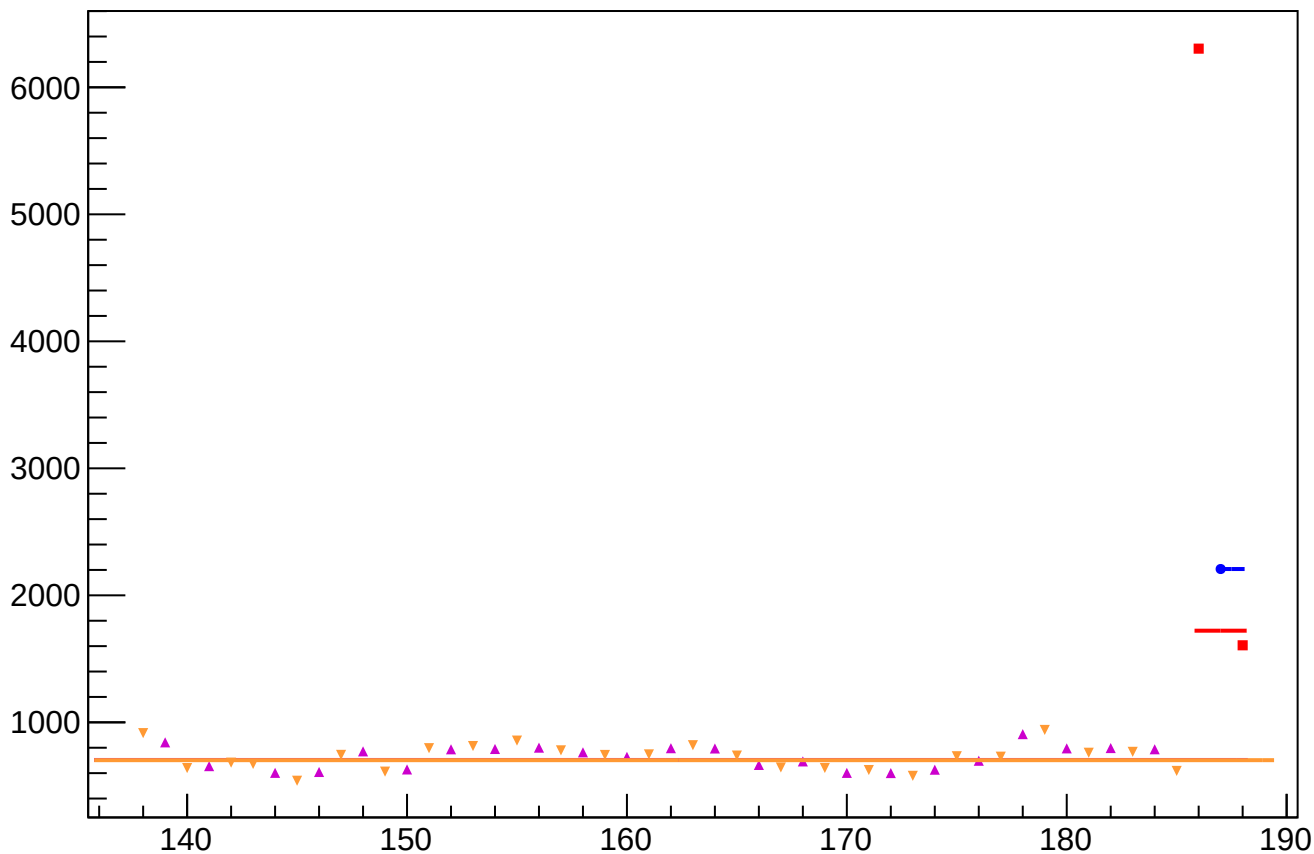
Right: -843.998 ± 1630.615 $\chi^2/\text{NDF}: 1.6/2$

In: 184.002 ± 169.100 $\chi^2/\text{NDF}: 23.5/23$

Out: -792.186 ± 165.187 $\chi^2/\text{NDF}: 45.2/26$

All: -315.515 ± 118.164 $\chi^2/\text{NDF}: 85.8/50$

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



Right In: 2207.161+/-4.024 χ^2/NDF : 0.0/0

Left Out: 702.152+/-0.117 χ^2/NDF : 691552.2/24

Right Out: 1721.632+/-1.203 χ^2/NDF : 364068.5/1

Left In: 703.710+/-0.120 χ^2/NDF : 533573.3/22

Left: 702.916+/-0.084 χ^2/NDF : 1225211.9/47

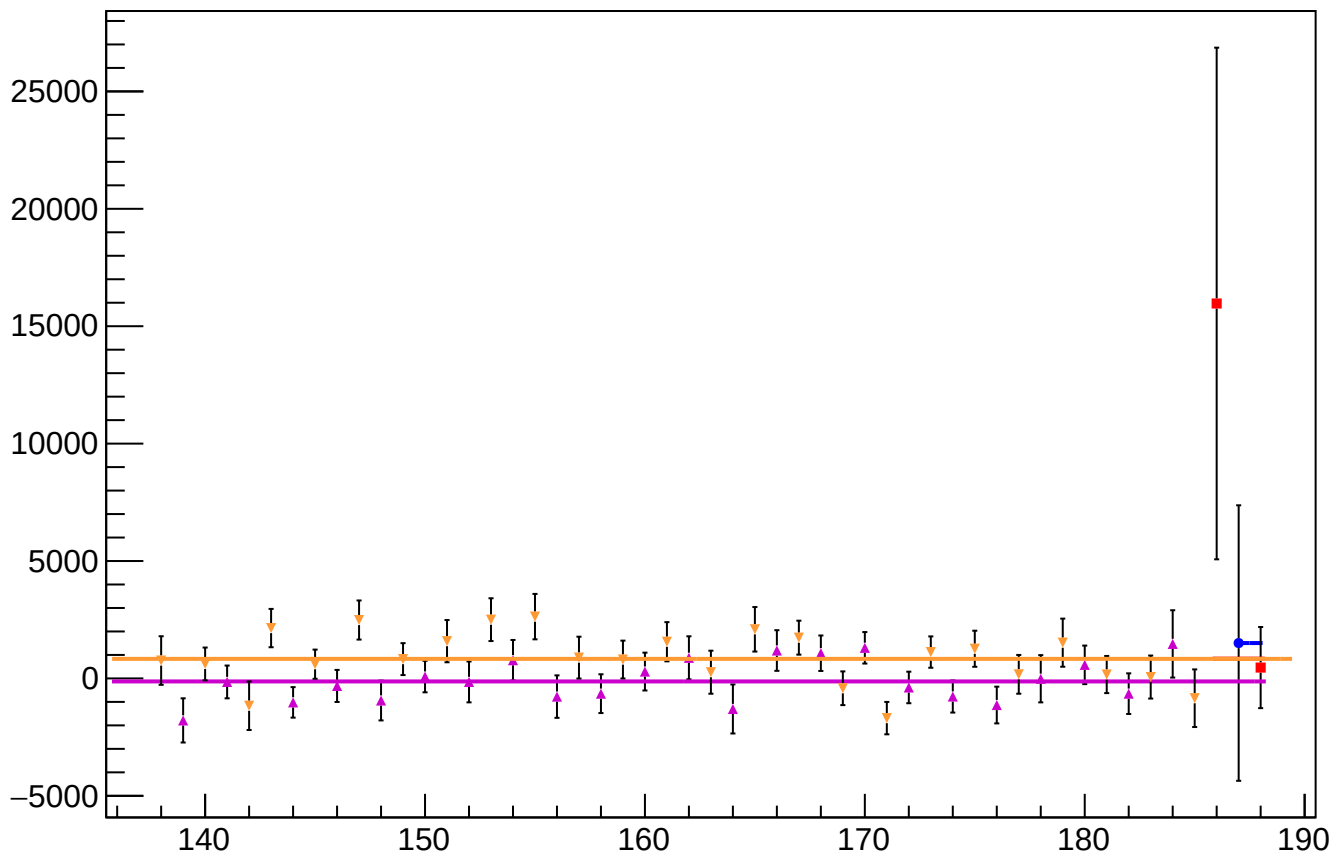
Right: 1761.492+/-1.153 χ^2/NDF : 377430.7/2

In: 705.037+/-0.120 χ^2/NDF : 673031.7/23

Out: 711.755+/-0.117 χ^2/NDF : 1766461.0/26

All: 708.475+/-0.084 χ^2/NDF : 2441108.0/50

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 1506.366 $\pm$ 5866.523 χ^2 /NDF: 0.0/0

Left Out: 832.553 $\pm$ 163.428 χ^2 /NDF:43.8/24

Right Out: 842.082 $\pm$ 1706.241 χ^2 /NDF: 2.0/1

Left In: -128.120 $\pm$ 166.866 χ^2 /NDF:25.3/22

Left: 362.214 $\pm$ 116.758 χ^2 /NDF: 86.0/47

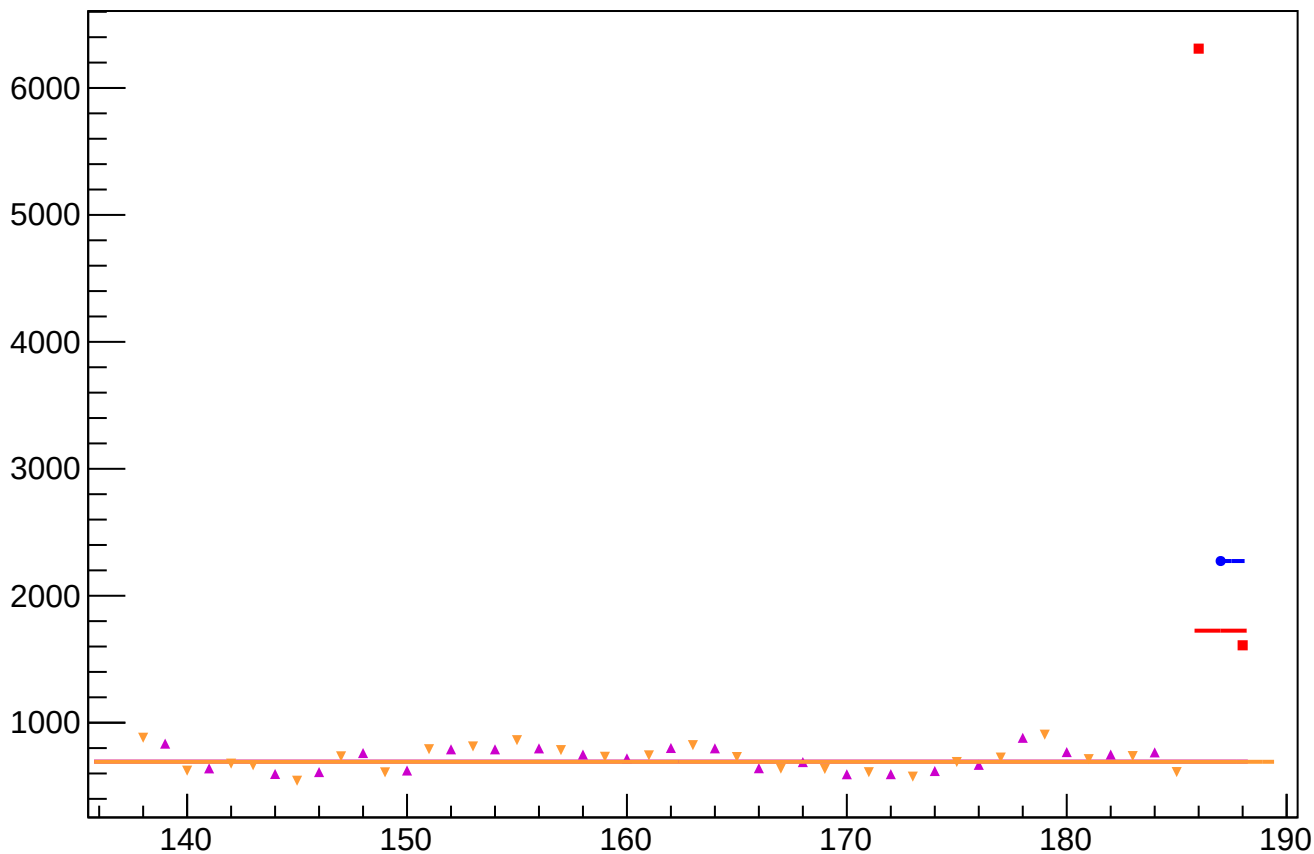
Right: 893.891 $\pm$ 1638.354 χ^2 /NDF: 2.0/2

In: -126.798 $\pm$ 166.798 χ^2 /NDF:25.4/23

Out: 832.640 $\pm$ 162.684 χ^2 /NDF:45.8/26

All: 364.901 $\pm$ 116.462 χ^2 /NDF: 88.1/50

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 2273.510+/-4.148 χ^2/NDF : 0.0/0

Left Out: 692.071+/-0.116 χ^2/NDF : 657636.6/24

Right Out: 1724.953+/-1.206 χ^2/NDF : 363064.3/1

Left In: 693.615+/-0.118 χ^2/NDF : 520692.6/22

Left: 692.827+/-0.083 χ^2/NDF : 1178416.7/47

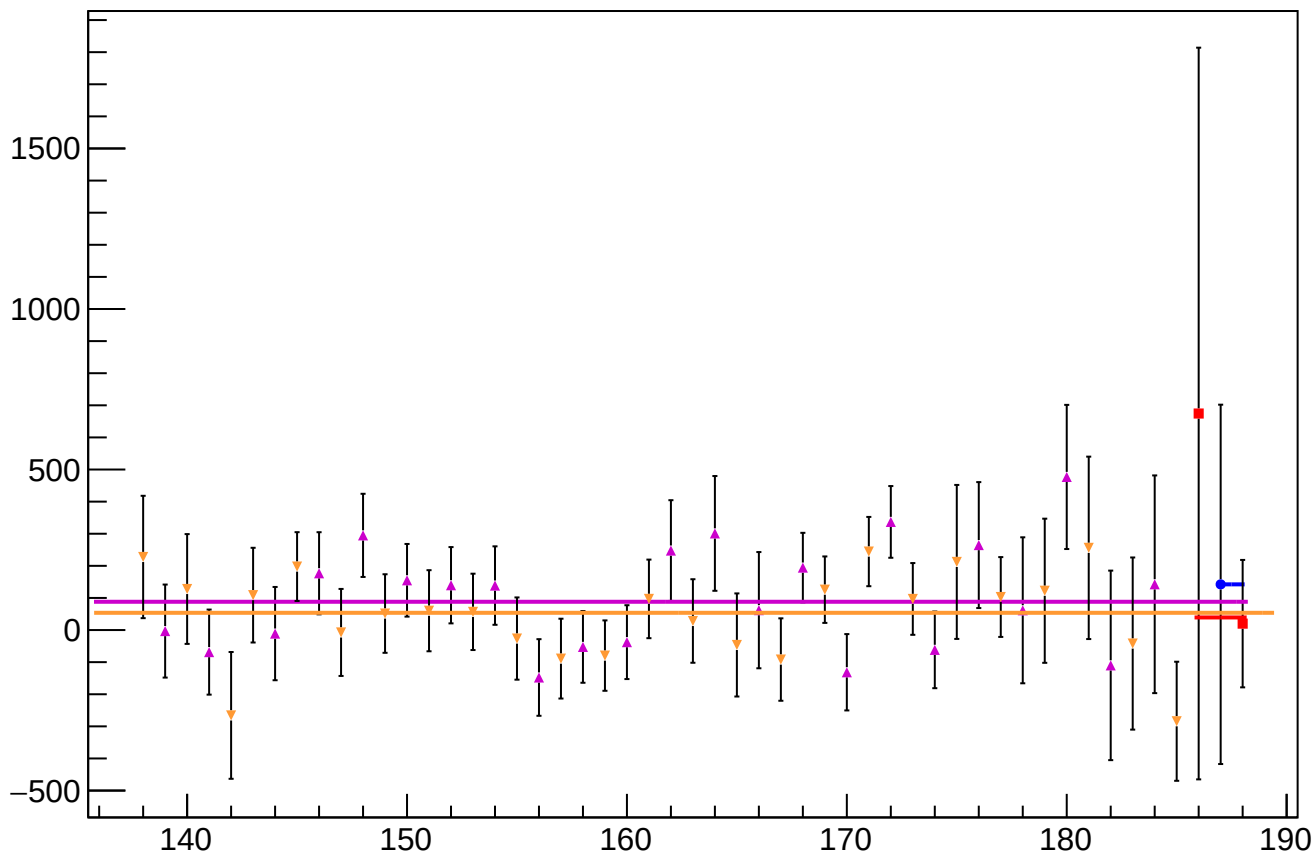
Right: 1767.736+/-1.158 χ^2/NDF : 379187.4/2

In: 694.893+/-0.118 χ^2/NDF : 665627.7/23

Out: 701.460+/-0.115 χ^2/NDF : 1746948.1/26

All: 698.259+/-0.082 χ^2/NDF : 2414165.1/50

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 142.315 $\pm$ 559.659 χ^2 /NDF: 0.0/0

Left Out: 53.701 $\pm$ 27.462 χ^2 /NDF:19.2/24

Right Out: 39.206 $\pm$ 195.510 χ^2 /NDF: 0.3/1

Left In: 88.085 $\pm$ 28.764 χ^2 /NDF:30.4/22

Left: 70.097 $\pm$ 19.863 χ^2 /NDF: 50.3/47

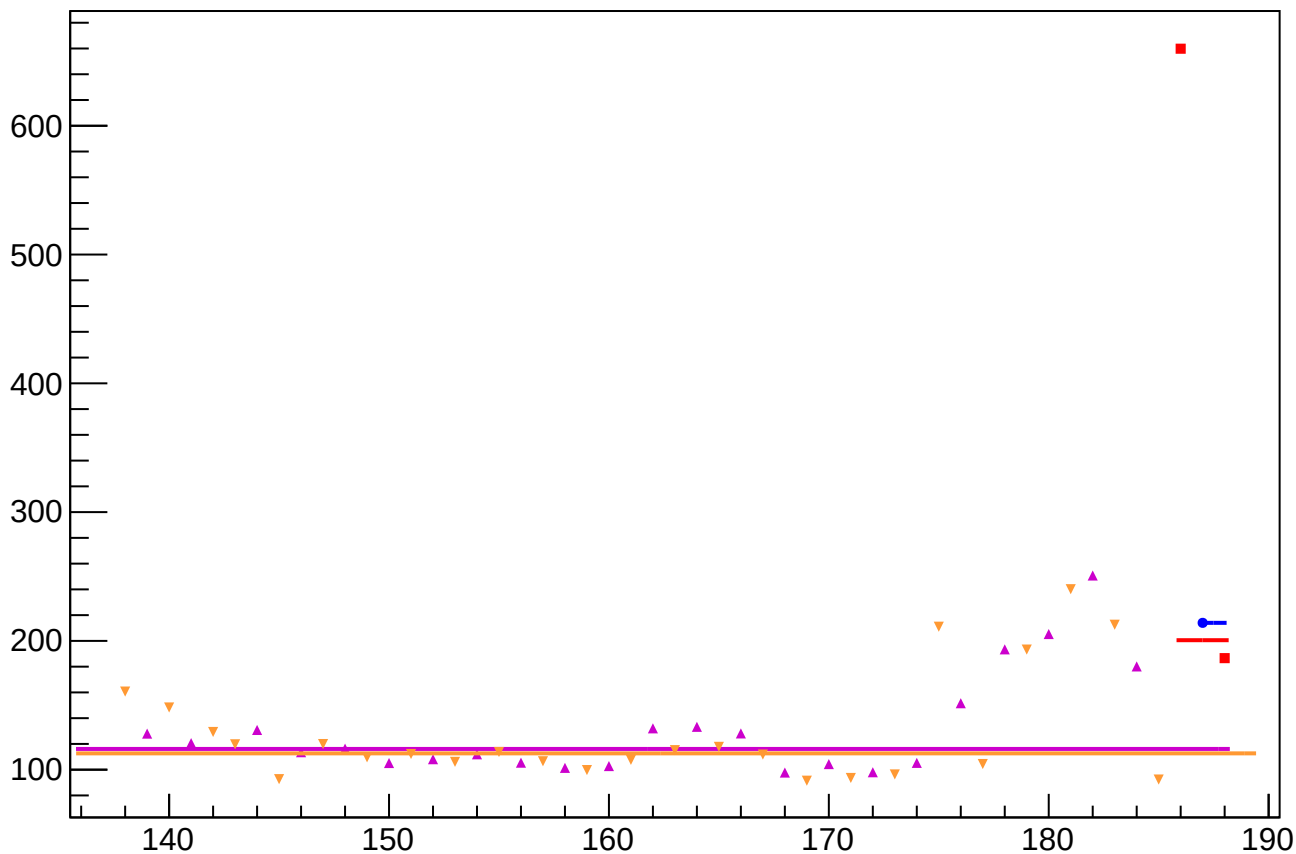
Right: 50.421 $\pm$ 184.572 χ^2 /NDF: 0.4/2

In: 88.227 $\pm$ 28.726 χ^2 /NDF:30.4/23

Out: 53.421 $\pm$ 27.195 χ^2 /NDF:19.5/26

All: 69.872 $\pm$ 19.749 χ^2 /NDF: 50.7/50

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 214.020 $\pm$ 0.396 χ^2 /NDF: 0.0/0

Left Out: 112.668 $\pm$ 0.019 χ^2 /NDF:1851455.7/24

Right Out: 200.543 $\pm$ 0.138 χ^2 /NDF: 334723.9/1

Left In: 116.108 $\pm$ 0.020 χ^2 /NDF:1438879.3/22

Left: 114.308 $\pm$ 0.014 χ^2 /NDF: 3305297.3/47

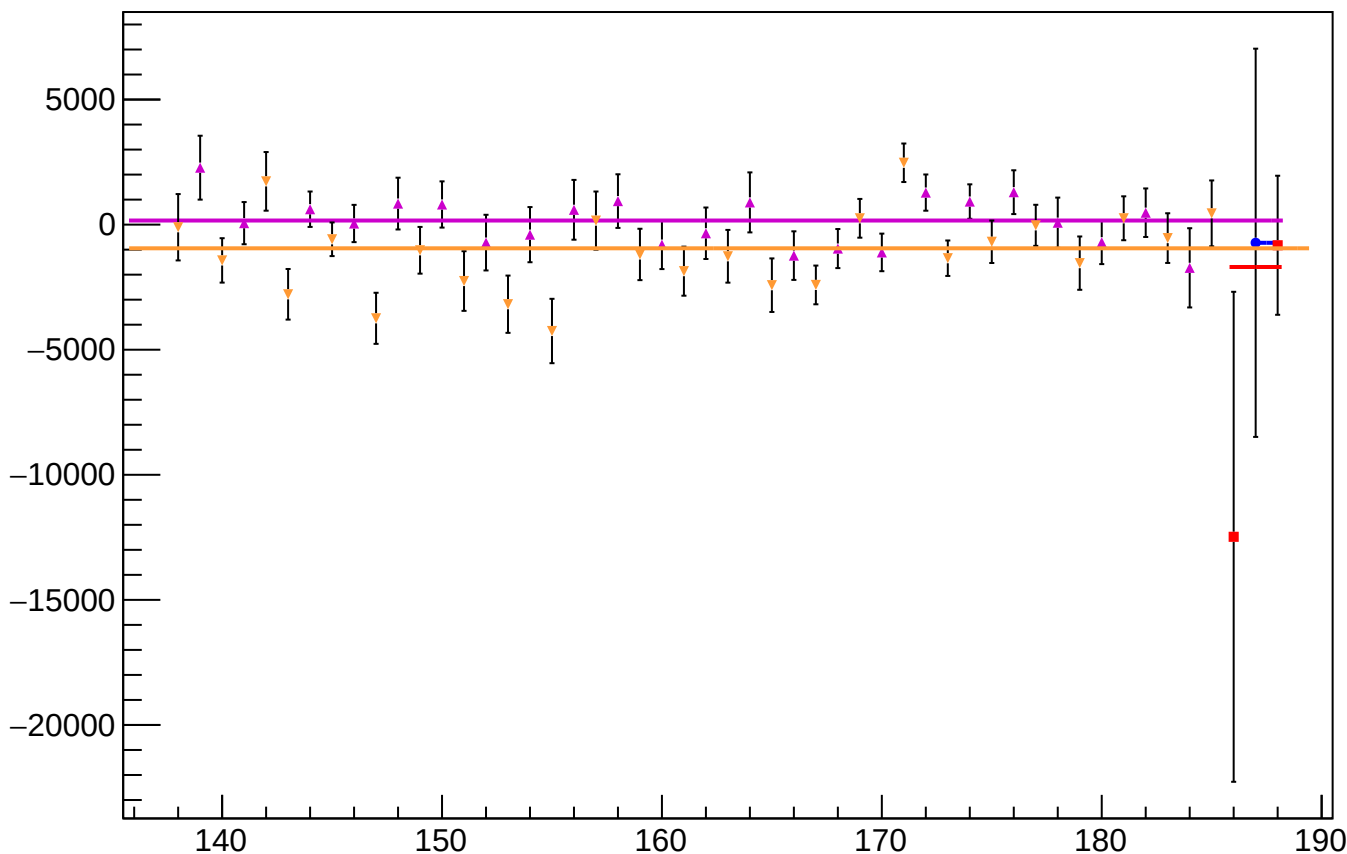
Right: 202.009 $\pm$ 0.131 χ^2 /NDF: 335757.5/2

In: 116.366 $\pm$ 0.020 χ^2 /NDF:1499932.7/23

Out: 114.368 $\pm$ 0.019 χ^2 /NDF:2582400.2/26

All: 115.312 $\pm$ 0.014 χ^2 /NDF: 4087432.4/50

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



Right In: -726.191+/-7759.842 χ^2/NDF : 0.0/0

Left Out: -946.412+/-188.668 χ^2/NDF : 63.3/24

Right Out: -1693.615+/-2673.875 χ^2/NDF : 1.3/1

Left In: 164.202+/-191.131 χ^2/NDF : 22.0/22

Left: -398.306+/-134.271 χ^2/NDF : 102.4/47

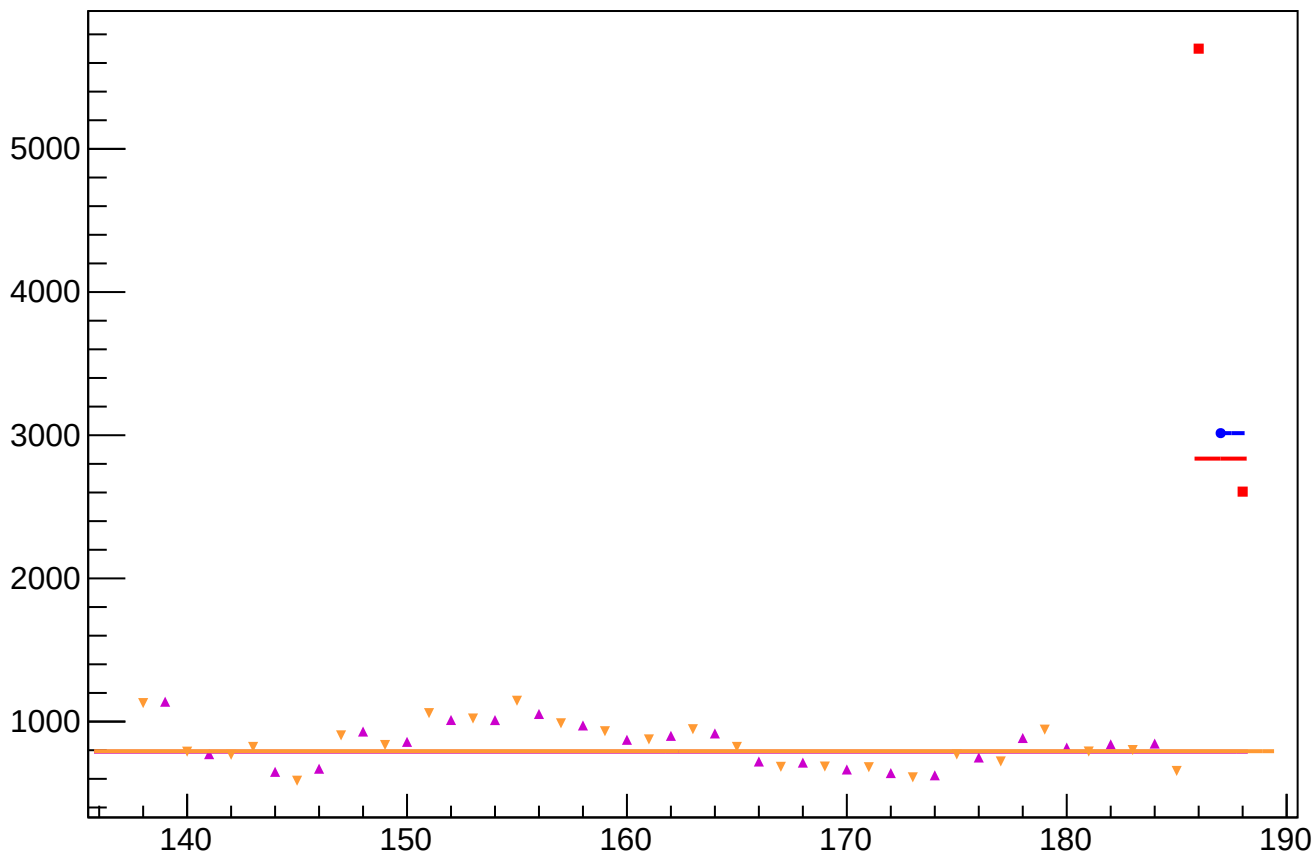
Right: -1590.940+/-2528.003 χ^2/NDF : 1.3/2

In: 163.662+/-191.073 χ^2/NDF : 22.1/23

Out: -950.114+/-188.200 χ^2/NDF : 64.7/26

All: -401.661+/-134.082 χ^2/NDF : 104.0/50

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



Right In: 3014.582+/-5.487 χ^2/NDF : 0.0/0

Left Out: 793.154+/-0.133 χ^2/NDF :1158856.1/24

Right Out: 2836.725+/-1.891 χ^2/NDF : 184731.4/1

Left In: 789.699+/-0.135 χ^2/NDF :1019959.0/22

Left: 791.449+/-0.095 χ^2/NDF : 2179146.2/47

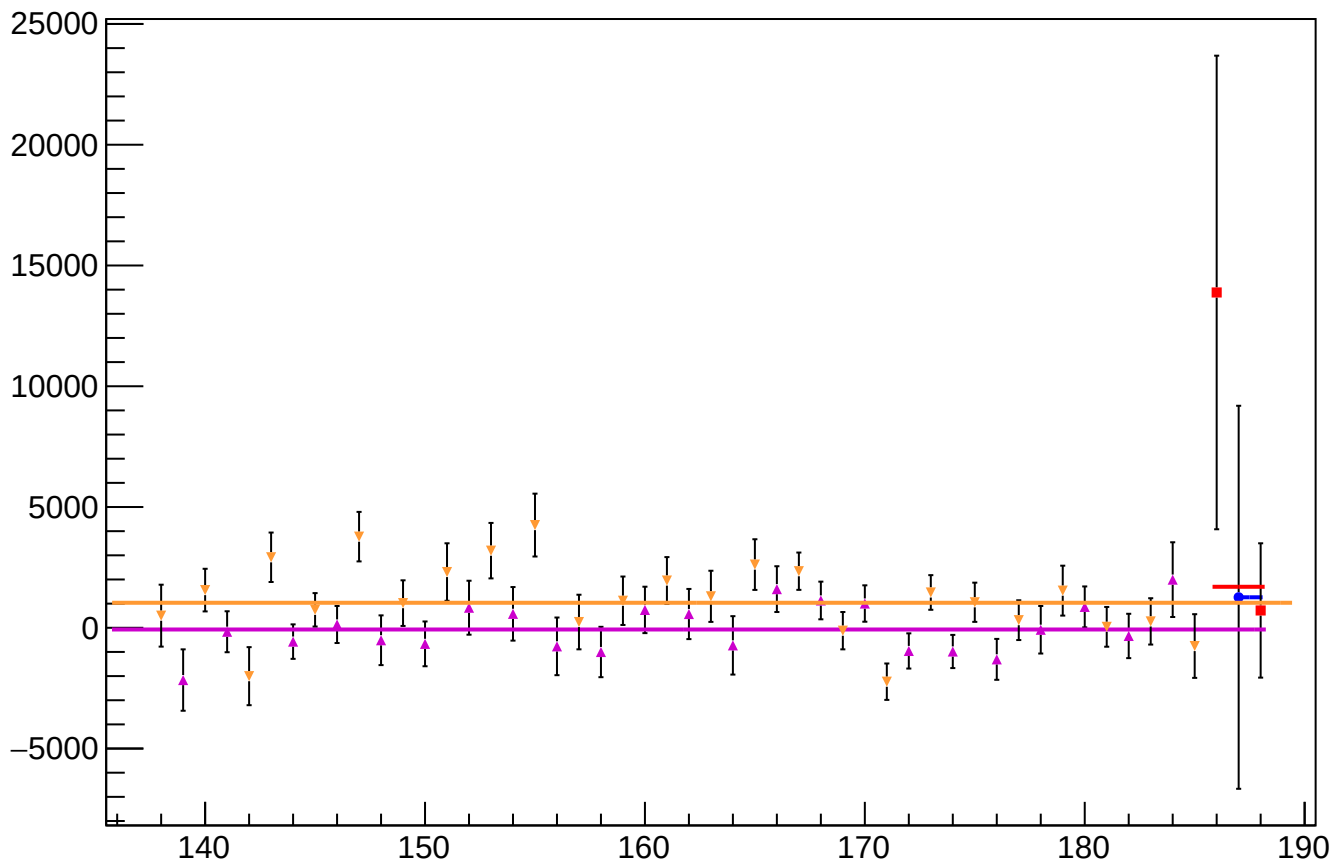
Right: 2855.601+/-1.788 χ^2/NDF : 185670.5/2

In: 791.048+/-0.135 χ^2/NDF :1184273.2/23

Out: 803.278+/-0.133 χ^2/NDF :2506026.5/26

All: 797.256+/-0.095 χ^2/NDF : 3694459.0/50

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 1262.741 $\pm$ 7929.221 χ^2 /NDF: 0.0/0

Left Out: 1035.605 $\pm$ 187.244 χ^2 /NDF:61.4/24

Right Out: 1697.609 $\pm$ 2675.410 χ^2 /NDF: 1.7/1

Left In: -70.852 $\pm$ 190.155 χ^2 /NDF:23.4/22

Left: 490.913 $\pm$ 133.419 χ^2 /NDF: 101.9/47

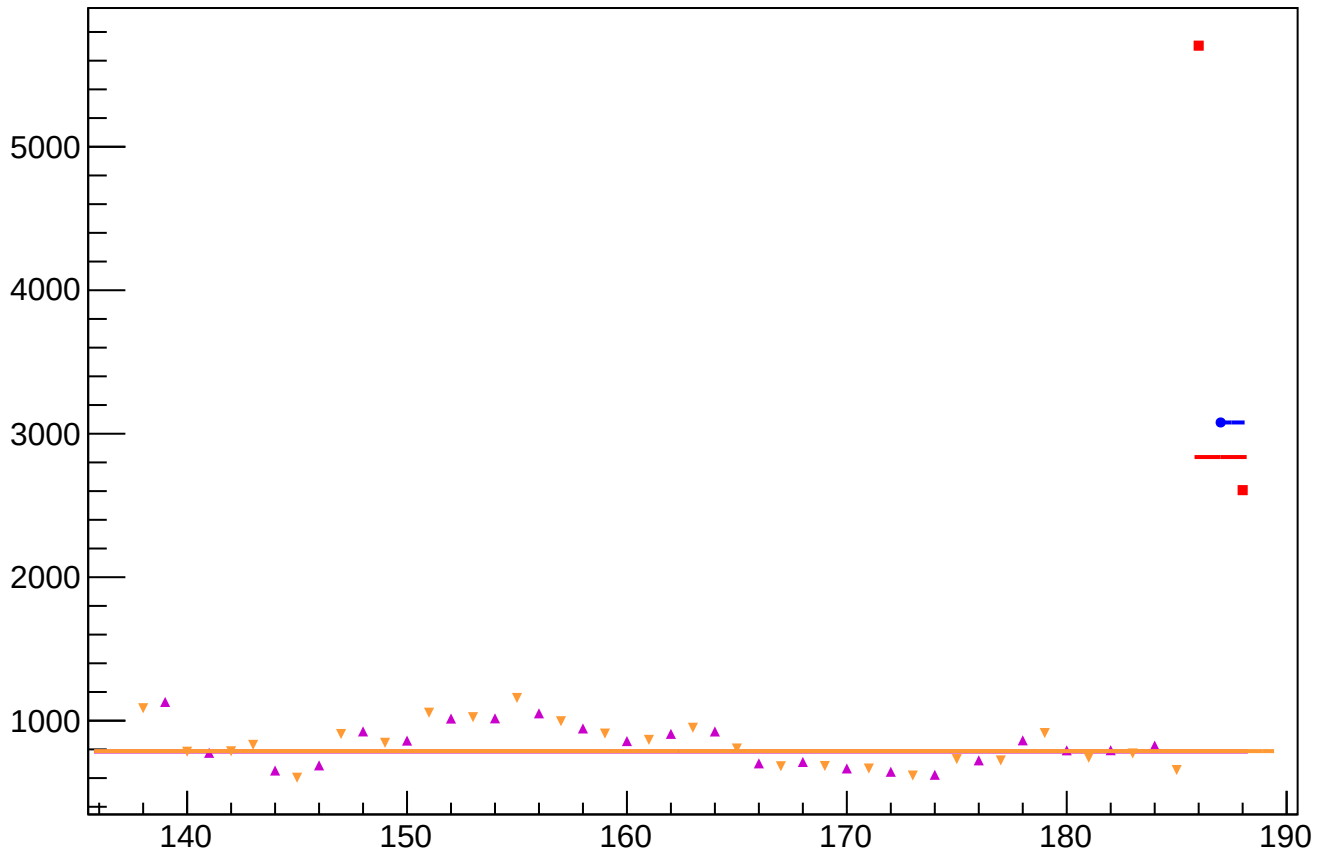
Right: 1653.161 $\pm$ 2534.998 χ^2 /NDF: 1.7/2

In: -70.085 $\pm$ 190.101 χ^2 /NDF:23.4/23

Out: 1038.831 $\pm$ 186.787 χ^2 /NDF:63.1/26

All: 494.124 $\pm$ 133.234 χ^2 /NDF: 103.8/50

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 3078.464+/-5.607 χ^2/NDF : 0.0/0

Left Out: 787.981+/-0.132 χ^2/NDF :1113986.0/24

Right Out: 2837.518+/-1.892 χ^2/NDF : 184802.9/1

Left In: 785.179+/-0.134 χ^2/NDF :976942.0/22

Left: 786.602+/-0.094 χ^2/NDF : 2091148.6/47

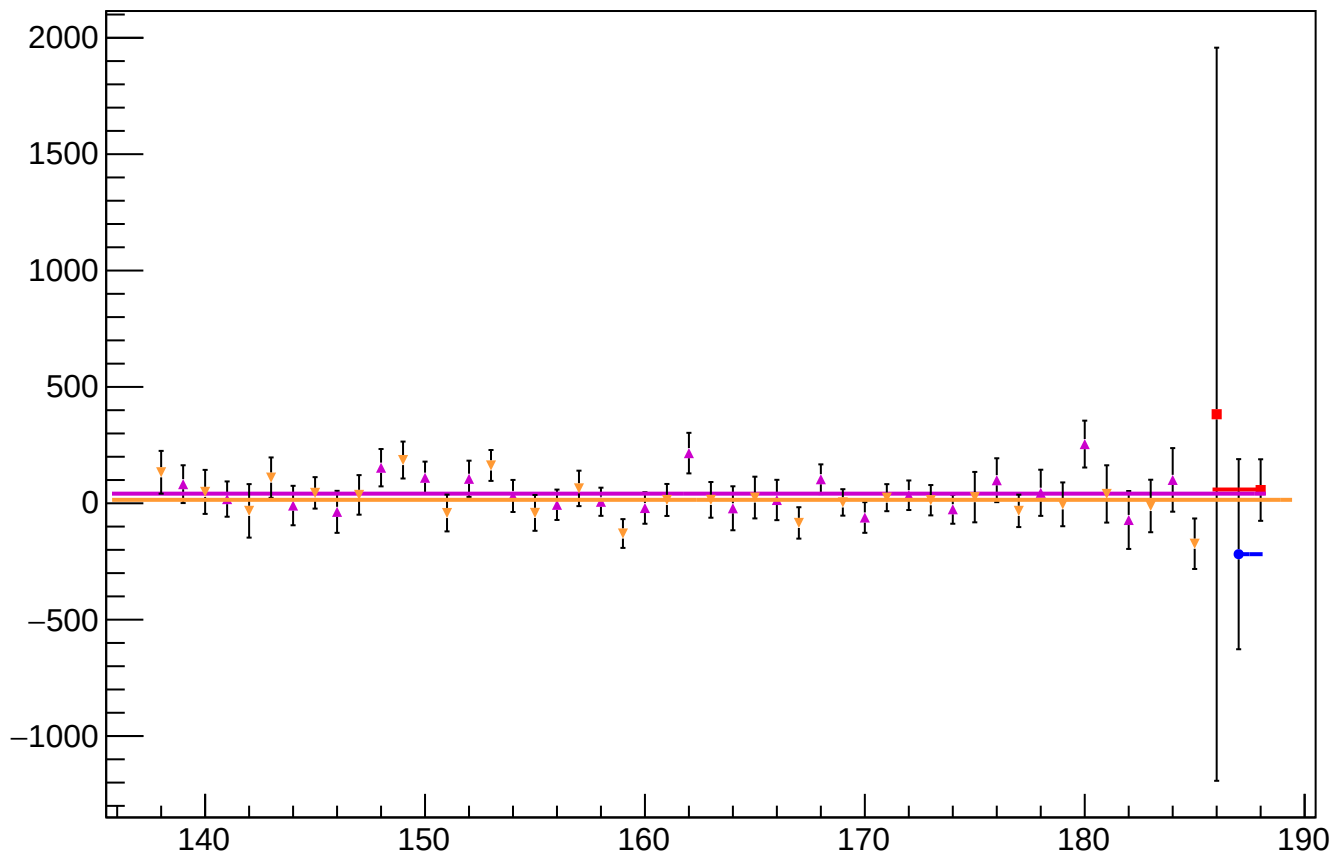
Right: 2862.146+/-1.793 χ^2/NDF : 186460.8/2

In: 786.497+/-0.134 χ^2/NDF :1144141.7/23

Out: 797.971+/-0.132 χ^2/NDF :2466778.6/26

All: 792.335+/-0.094 χ^2/NDF : 3614627.4/50

dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: -218.640 $\pm$ 408.440 χ^2 /NDF: 0.0/0

Left Out: 14.879 $\pm$ 15.529 χ^2 /NDF:25.8/24

Right Out: 59.181 $\pm$ 131.789 χ^2 /NDF: 0.0/1

Left In: 41.428 $\pm$ 16.130 χ^2 /NDF:21.7/22

Left: 27.650 $\pm$ 11.187 χ^2 /NDF: 48.9/47

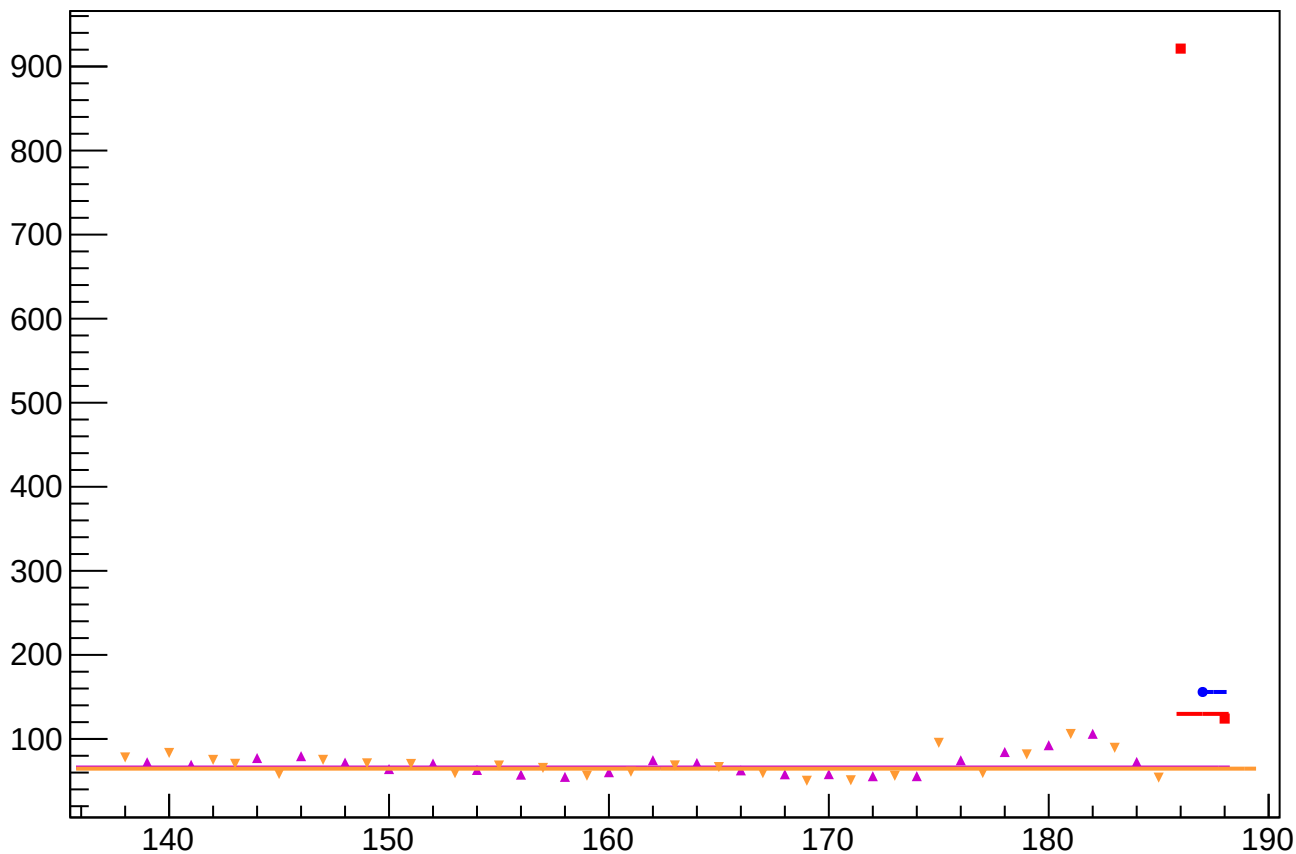
Right: 32.984 $\pm$ 125.421 χ^2 /NDF: 0.5/2

In: 41.023 $\pm$ 16.118 χ^2 /NDF:22.1/23

Out: 15.486 $\pm$ 15.423 χ^2 /NDF:26.0/26

All: 27.692 $\pm$ 11.143 χ^2 /NDF: 49.4/50

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 155.887 $\pm$ 0.289 χ^2 /NDF: 0.0/0

Left Out: 64.680 $\pm$ 0.011 χ^2 /NDF:1150386.4/24

Right Out: 129.826 $\pm$ 0.093 χ^2 /NDF: 508618.4/1

Left In: 66.016 $\pm$ 0.011 χ^2 /NDF:868433.2/22

Left: 65.322 $\pm$ 0.008 χ^2 /NDF: 2025941.7/47

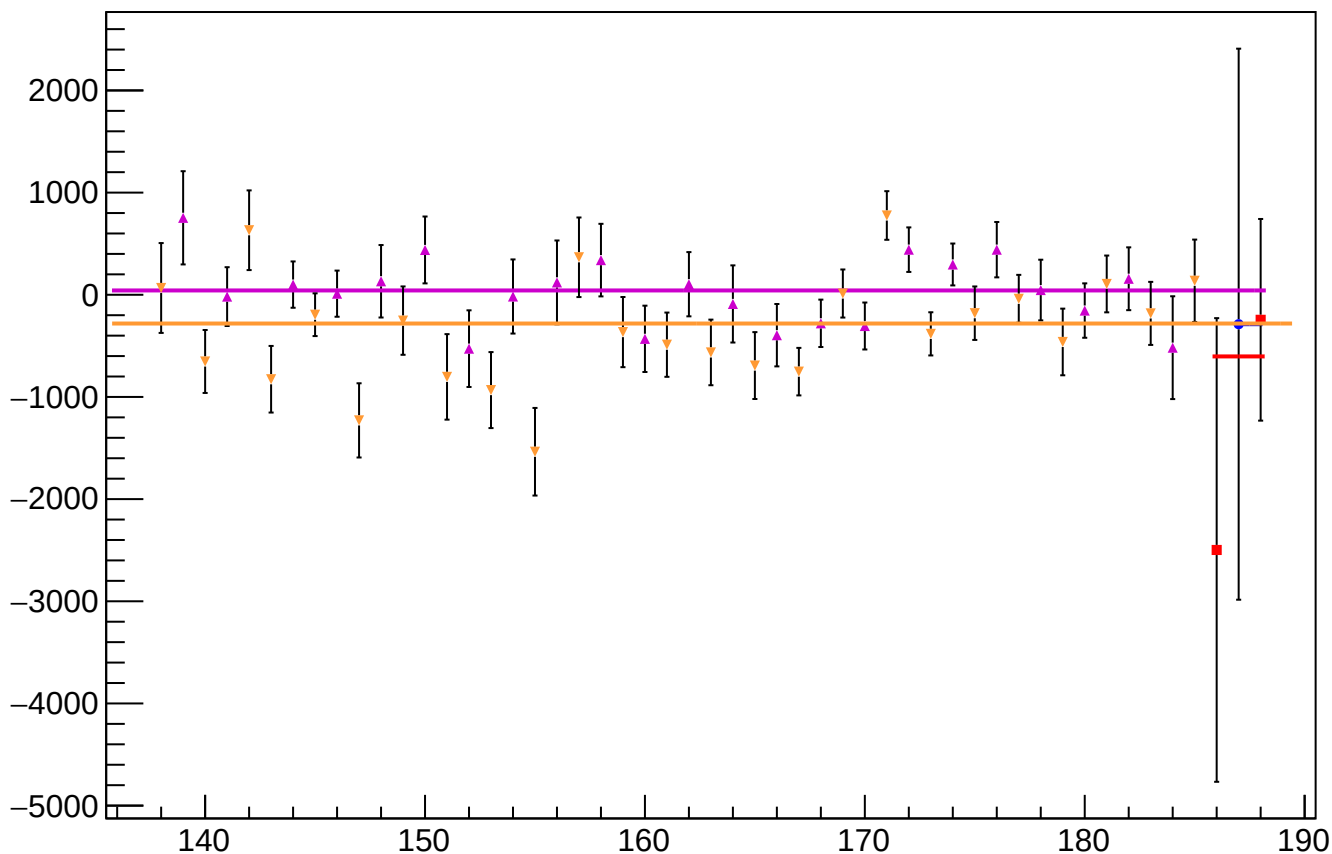
Right: 132.284 $\pm$ 0.089 χ^2 /NDF: 515992.9/2

In: 66.156 $\pm$ 0.011 χ^2 /NDF:965113.4/23

Out: 65.572 $\pm$ 0.011 χ^2 /NDF:2141028.6/26

All: 65.851 $\pm$ 0.008 χ^2 /NDF: 3107512.3/50

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: -287.925 $\pm$ 2696.737 χ^2 /NDF: 0.0/0

Left Out: -281.407 $\pm$ 59.534 χ^2 /NDF:66.5/24

Right Out: -603.381 $\pm$ 905.037 χ^2 /NDF: 0.8/1

Left In: 42.368 $\pm$ 60.284 χ^2 /NDF:24.7/22

Left: -121.547 $\pm$ 42.360 χ^2 /NDF: 105.8/47

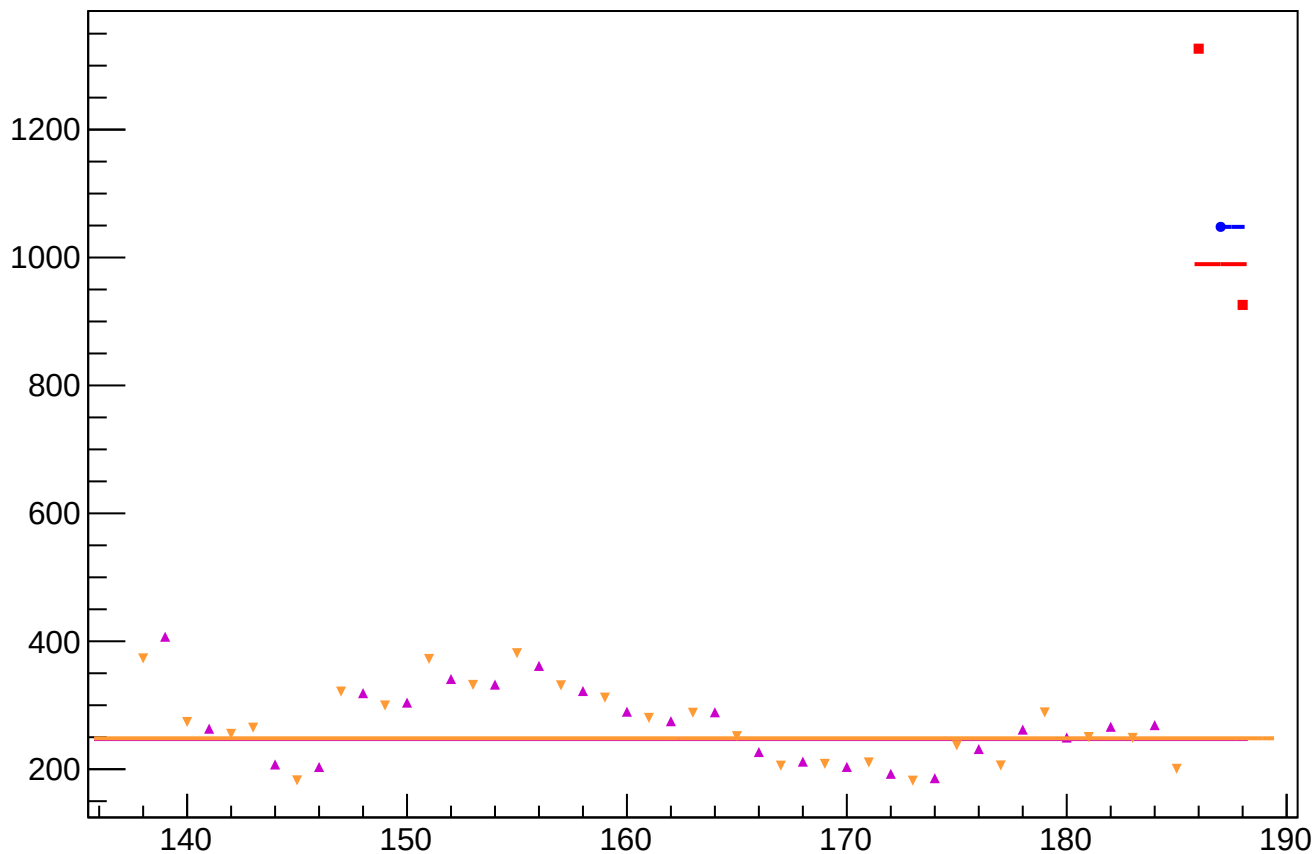
Right: -571.448 $\pm$ 858.007 χ^2 /NDF: 0.8/2

In: 42.203 $\pm$ 60.269 χ^2 /NDF:24.7/23

Out: -282.794 $\pm$ 59.405 χ^2 /NDF:67.4/26

All: -122.641 $\pm$ 42.308 χ^2 /NDF: 106.9/50

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



Right In: 1047.925+/-1.907 χ^2/NDF : 0.0/0

Left Out: 248.297+/-0.042 χ^2/NDF : 1687698.9/24

Right Out: 989.630+/-0.640 χ^2/NDF : 52418.8/1

Left In: 247.105+/-0.043 χ^2/NDF : 1539330.1/22

Left: 247.709+/-0.030 χ^2/NDF : 3227424.3/47

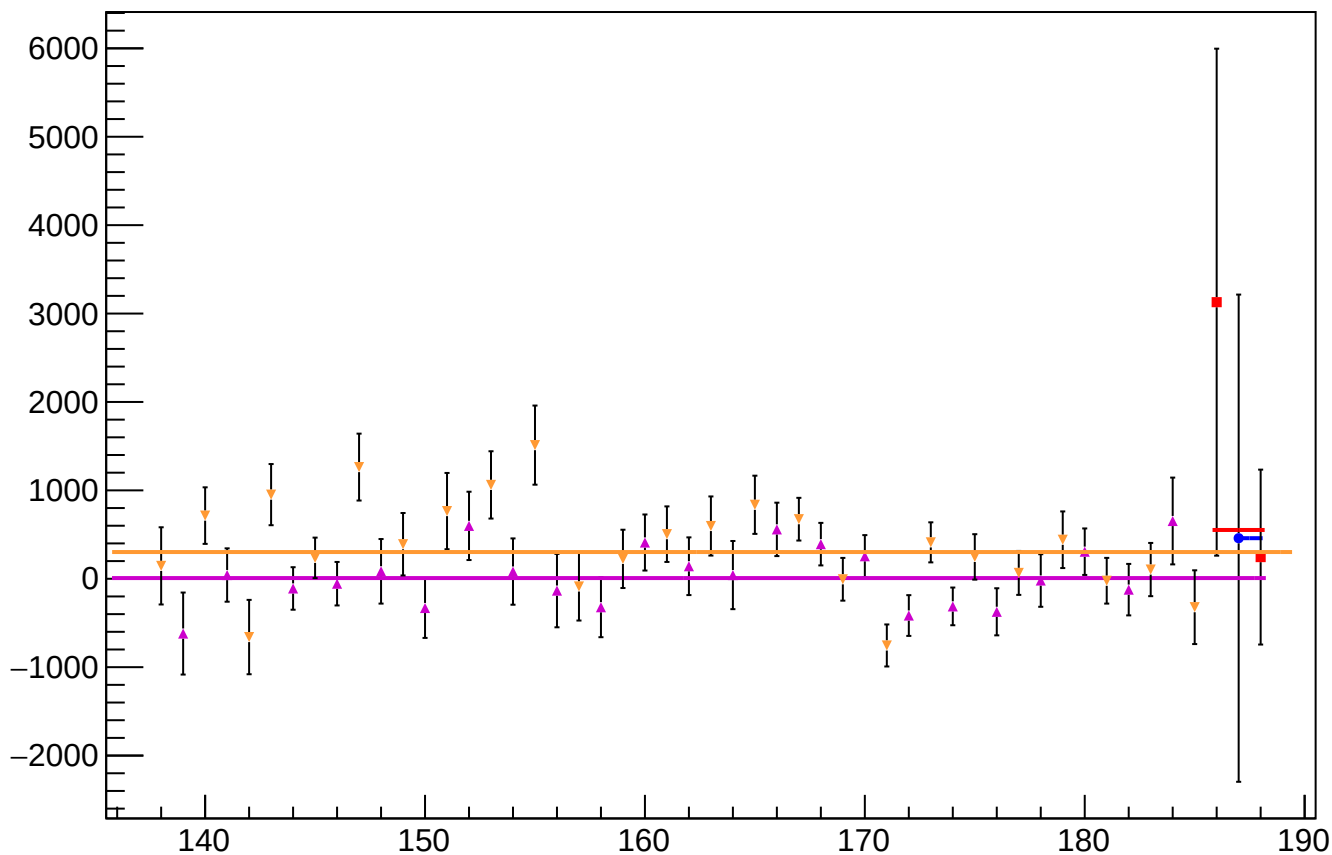
Right: 995.531+/-0.607 χ^2/NDF : 53258.8/2

In: 247.505+/-0.043 χ^2/NDF : 1715610.7/23

Out: 251.491+/-0.042 χ^2/NDF : 3076250.4/26

All: 249.527+/-0.030 χ^2/NDF : 4796296.6/50

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 459.027 $\pm$ 2755.597 χ^2 /NDF: 0.0/0

Left Out: 302.420 $\pm$ 60.991 χ^2 /NDF:63.8/24

Right Out: 551.980 $\pm$ 935.202 χ^2 /NDF: 0.9/1

Left In: 7.915 $\pm$ 61.726 χ^2 /NDF:26.3/22

Left: 156.931 $\pm$ 43.384 χ^2 /NDF: 101.6/47

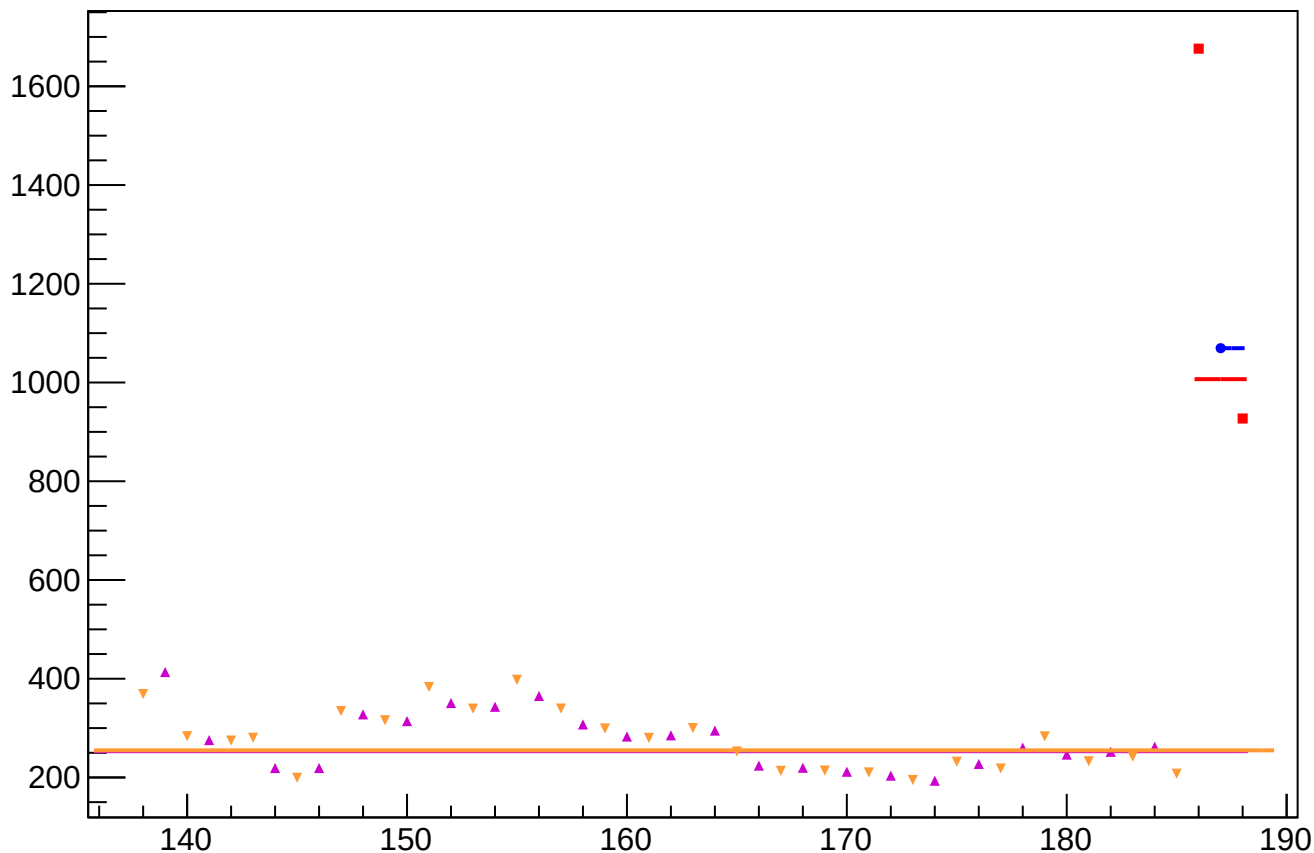
Right: 542.379 $\pm$ 885.590 χ^2 /NDF: 0.9/2

In: 8.141 $\pm$ 61.710 χ^2 /NDF:26.3/23

Out: 303.477 $\pm$ 60.861 χ^2 /NDF:64.8/26

All: 157.854 $\pm$ 43.332 χ^2 /NDF: 102.7/50

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 1069.513+/-1.949 χ^2/NDF : 0.0/0

Left Out: 254.937+/-0.043 χ^2/NDF :1541708.7/24

Right Out: 1006.787+/-0.661 χ^2/NDF : 121979.7/1

Left In: 253.170+/-0.044 χ^2/NDF :1366527.6/22

Left: 254.064+/-0.031 χ^2/NDF : 2909065.8/47

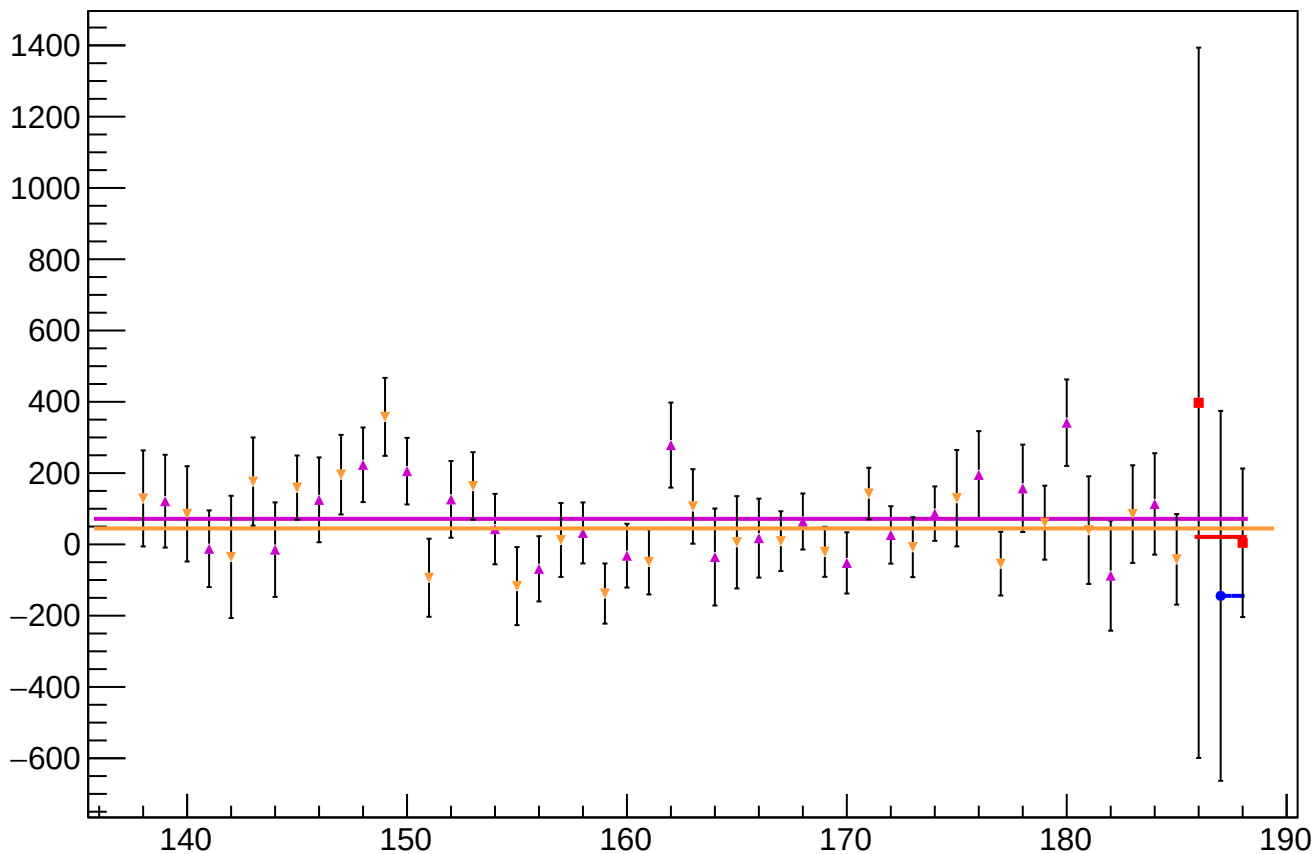
Right: 1013.266+/-0.626 χ^2/NDF : 122908.9/2

In: 253.580+/-0.044 χ^2/NDF :1541966.5/23

Out: 258.122+/-0.043 χ^2/NDF :2950863.9/26

All: 255.882+/-0.031 χ^2/NDF : 4498322.9/50

dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: -144.367 $\pm$ 518.899 χ^2 /NDF: 0.0/0

Left Out: 44.746 $\pm$ 20.460 χ^2 /NDF:30.5/24

Right Out: 20.935 $\pm$ 204.005 χ^2 /NDF: 0.1/1

Left In: 71.620 $\pm$ 21.469 χ^2 /NDF:23.7/22

Left: 57.537 $\pm$ 14.811 χ^2 /NDF: 55.0/47

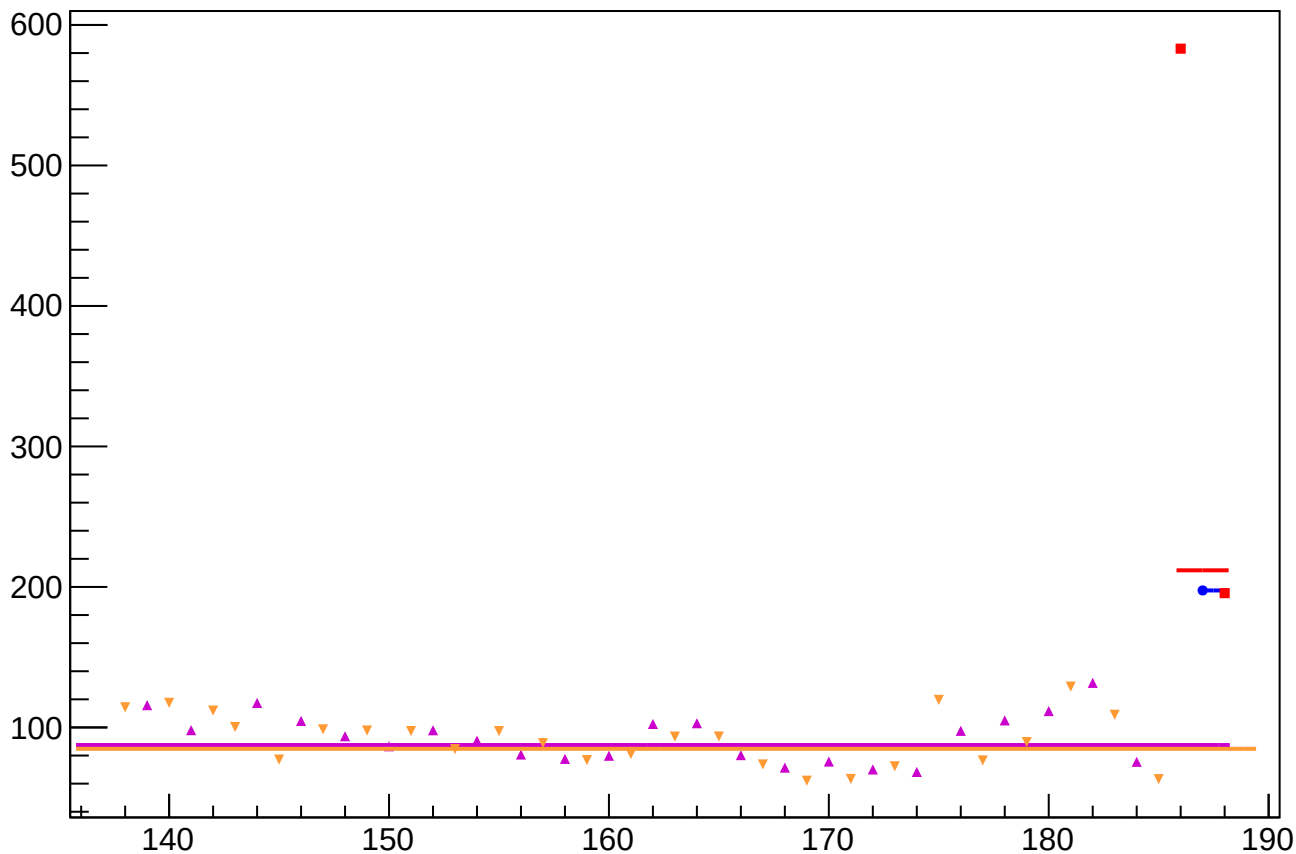
Right: -1.194 $\pm$ 189.859 χ^2 /NDF: 0.2/2

In: 71.251 $\pm$ 21.450 χ^2 /NDF:23.8/23

Out: 44.509 $\pm$ 20.357 χ^2 /NDF:30.7/26

All: 57.181 $\pm$ 14.766 χ^2 /NDF: 55.4/50

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 197.508 $\pm$ 0.367 χ^2 /NDF: 0.0/0

Left Out: 84.793 $\pm$ 0.014 χ^2 /NDF:1382881.3/24

Right Out: 211.839 $\pm$ 0.144 χ^2 /NDF: 289882.1/1

Left In: 87.477 $\pm$ 0.015 χ^2 /NDF:1056450.2/22

Left: 86.070 $\pm$ 0.010 χ^2 /NDF: 2455720.1/47

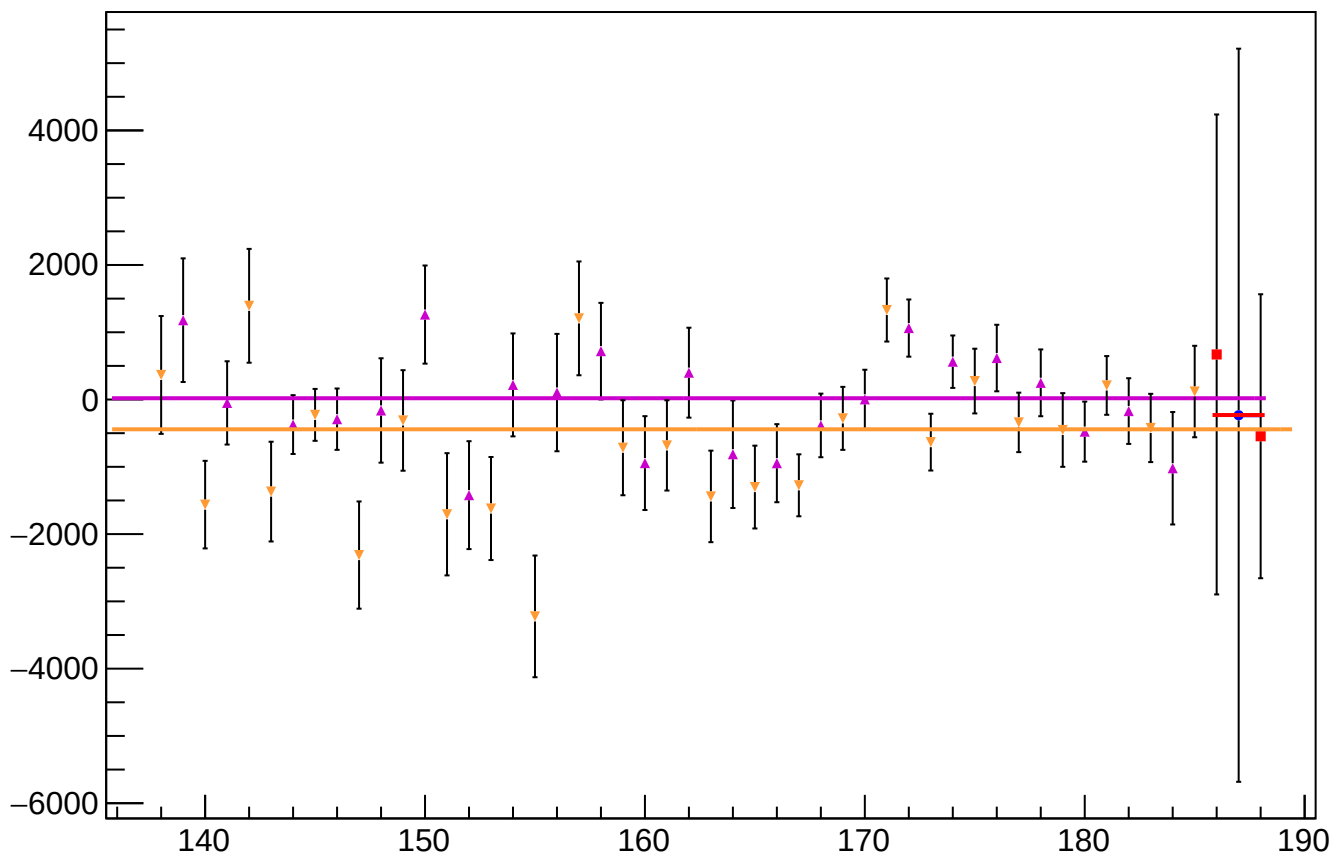
Right: 209.921 $\pm$ 0.134 χ^2 /NDF: 291203.4/2

In: 87.665 $\pm$ 0.015 χ^2 /NDF:1146224.8/23

Out: 86.058 $\pm$ 0.014 χ^2 /NDF:2440707.4/26

All: 86.820 $\pm$ 0.010 χ^2 /NDF: 3592841.5/50

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



Right In: -233.311 $\pm$ 5448.451 χ^2 /NDF: 0.0/0

Left Out: -442.284 $\pm$ 115.425 χ^2 /NDF:60.9/24

Right Out: -230.383 $\pm$ 1816.374 χ^2 /NDF: 0.1/1

Left In: 19.322 $\pm$ 116.820 χ^2 /NDF:29.5/22

Left: -214.255 $\pm$ 82.107 χ^2 /NDF: 98.3/47

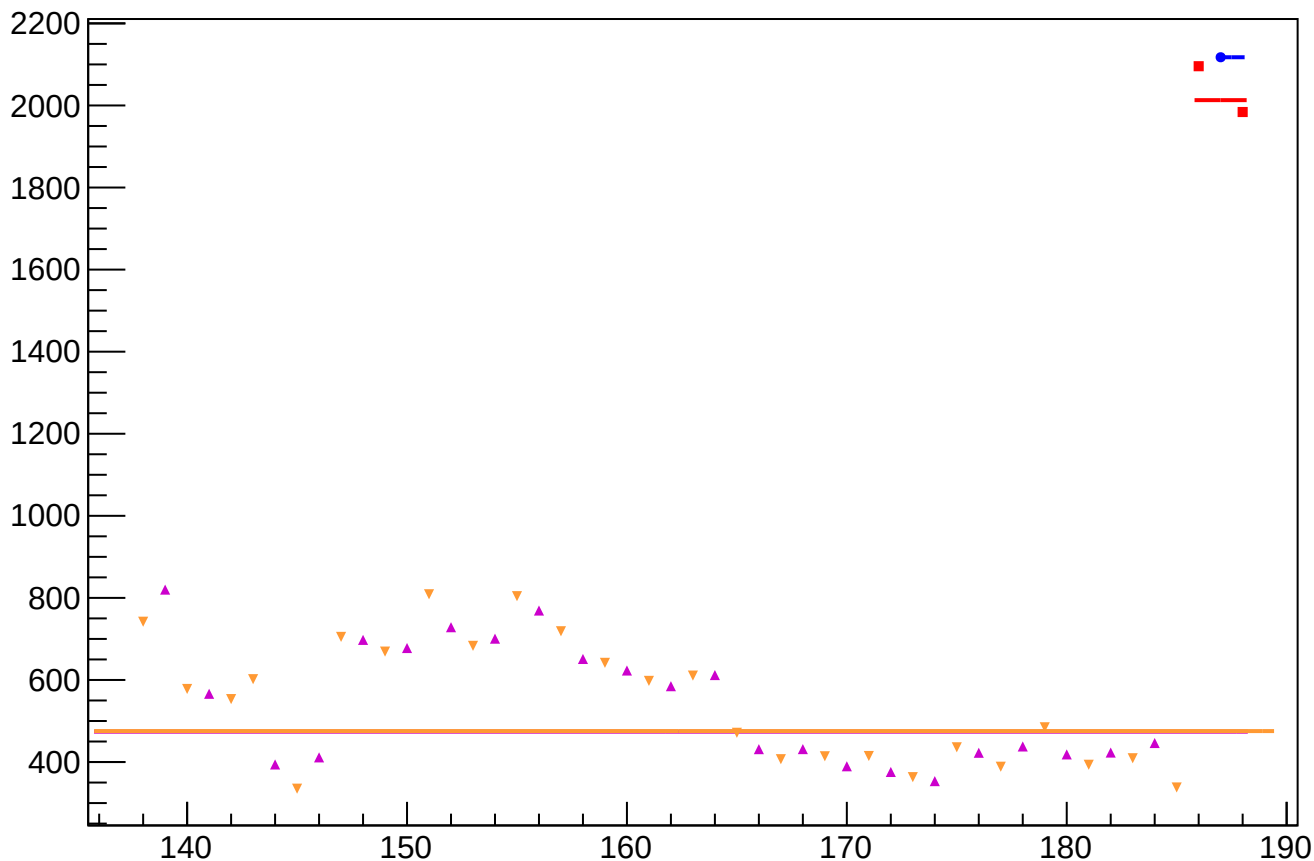
Right: -230.676 $\pm$ 1723.143 χ^2 /NDF: 0.1/2

In: 19.206 $\pm$ 116.794 χ^2 /NDF:29.5/23

Out: -441.432 $\pm$ 115.193 χ^2 /NDF:61.0/26

All: -214.292 $\pm$ 82.014 χ^2 /NDF: 98.4/50

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



Right In: 2117.477+/-3.853 χ^2/NDF : 0.0/0

Left Out: 475.415+/-0.082 χ^2/NDF : 2509706.1/24

Right Out: 2012.963+/-1.284 χ^2/NDF : 1449.7/1

Left In: 473.947+/-0.083 χ^2/NDF : 2174476.6/22

Left: 474.690+/-0.058 χ^2/NDF : 4684342.6/47

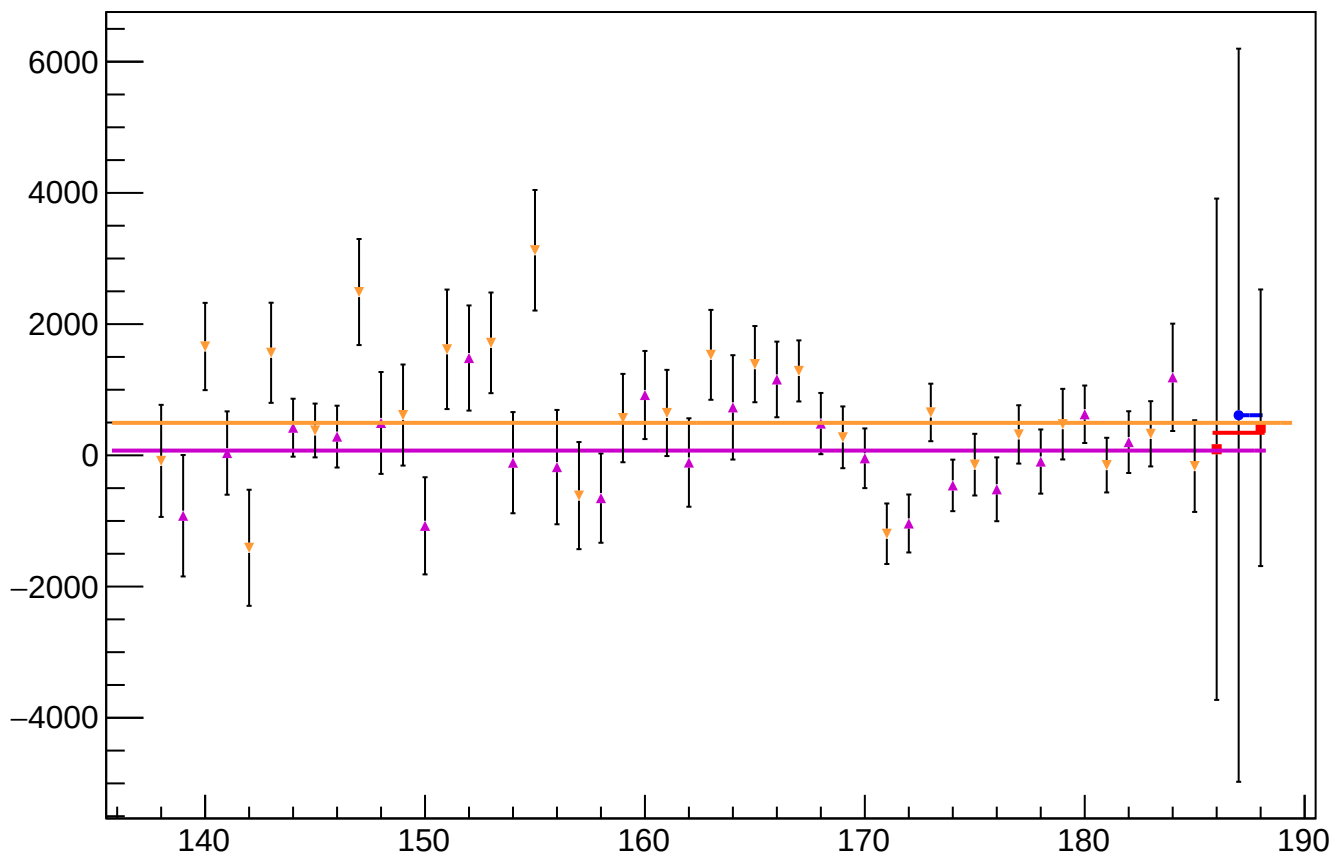
Right: 2023.417+/-1.218 χ^2/NDF : 2112.0/2

In: 474.702+/-0.083 χ^2/NDF : 2356379.5/23

Out: 481.599+/-0.081 χ^2/NDF : 3938492.2/26

All: 478.198+/-0.058 χ^2/NDF : 6298407.5/50

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 611.320+/-5587.050 χ^2/NDF : 0.0/0

Left Out: 495.259+/-115.521 χ^2/NDF : 57.2/24

Right Out: 343.806+/-1845.735 χ^2/NDF : 0.0/1

Left In: 72.627+/-116.927 χ^2/NDF : 29.1/22

Left: 286.499+/-82.178 χ^2/NDF : 92.8/47

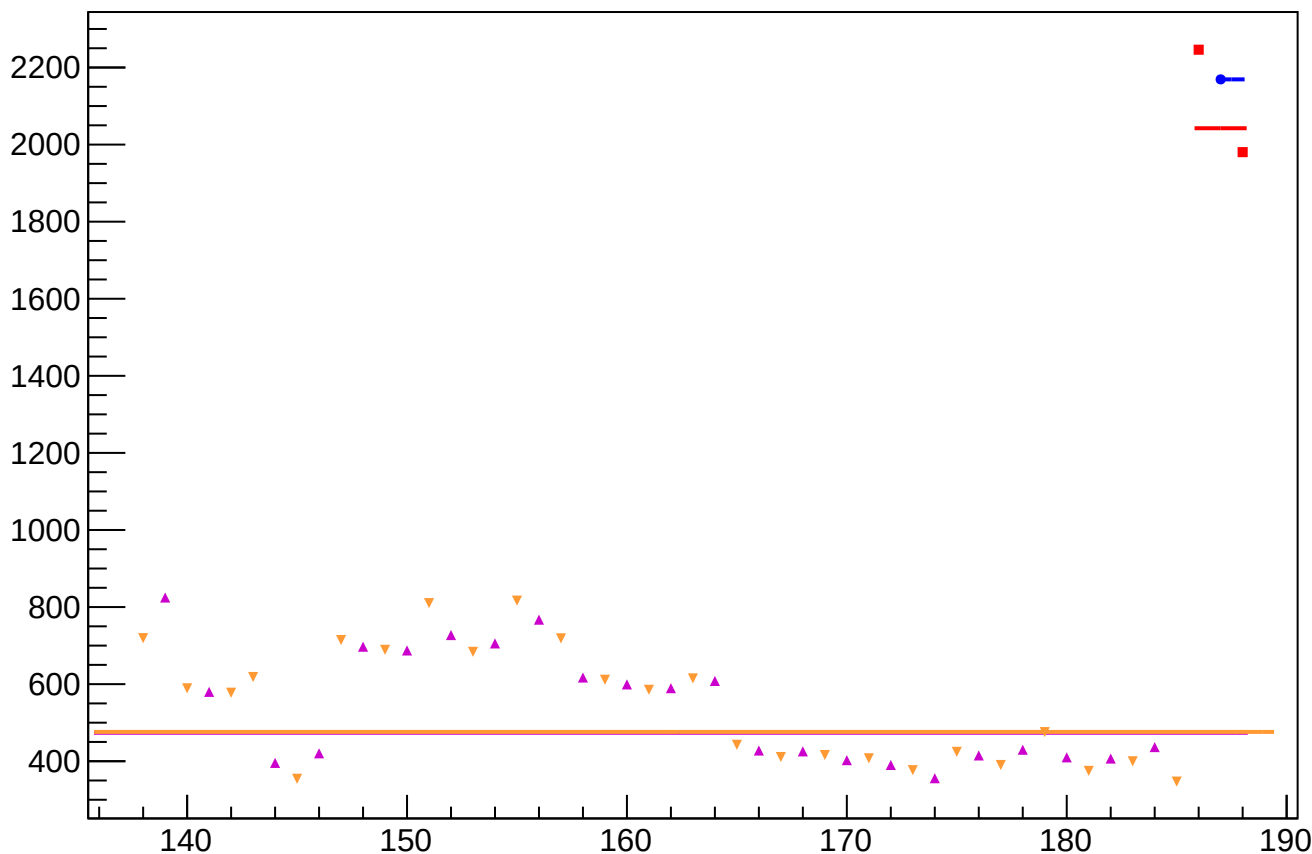
Right: 370.129+/-1752.575 χ^2/NDF : 0.0/2

In: 72.863+/-116.902 χ^2/NDF : 29.1/23

Out: 494.668+/-115.296 χ^2/NDF : 57.2/26

All: 286.683+/-82.088 χ^2/NDF : 92.8/50

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 2169.209+/-3.951 χ^2/NDF : 0.0/0

Left Out: 476.057+/-0.082 χ^2/NDF : 2461838.6/24

Right Out: 2042.433+/-1.305 χ^2/NDF : 7419.9/1

Left In: 473.824+/-0.083 χ^2/NDF : 2113753.1/22

Left: 474.954+/-0.058 χ^2/NDF : 4575960.9/47

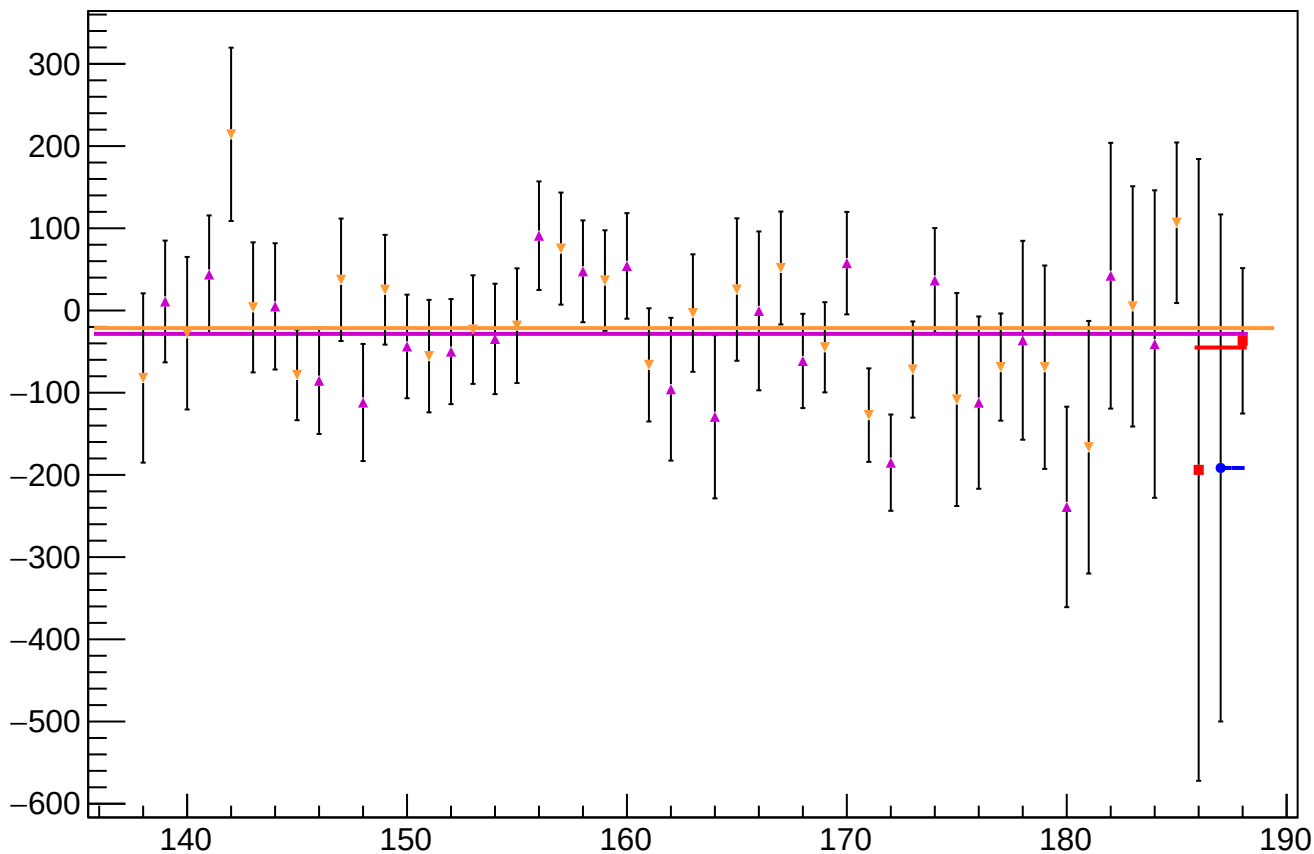
Right: 2054.908+/-1.239 χ^2/NDF : 8348.3/2

In: 474.566+/-0.083 χ^2/NDF : 2297835.2/23

Out: 482.169+/-0.082 χ^2/NDF : 3904038.8/26

All: 478.420+/-0.058 χ^2/NDF : 6206162.3/50

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -191.542 $\pm$ 308.432 χ^2 /NDF: 0.0/0

Left Out: -21.397 $\pm$ 14.800 χ^2 /NDF:20.9/24

Right Out: -45.025 $\pm$ 86.141 χ^2 /NDF: 0.2/1

Left In: -28.435 $\pm$ 15.494 χ^2 /NDF:26.2/22

Left: -24.755 $\pm$ 10.702 χ^2 /NDF: 47.2/47

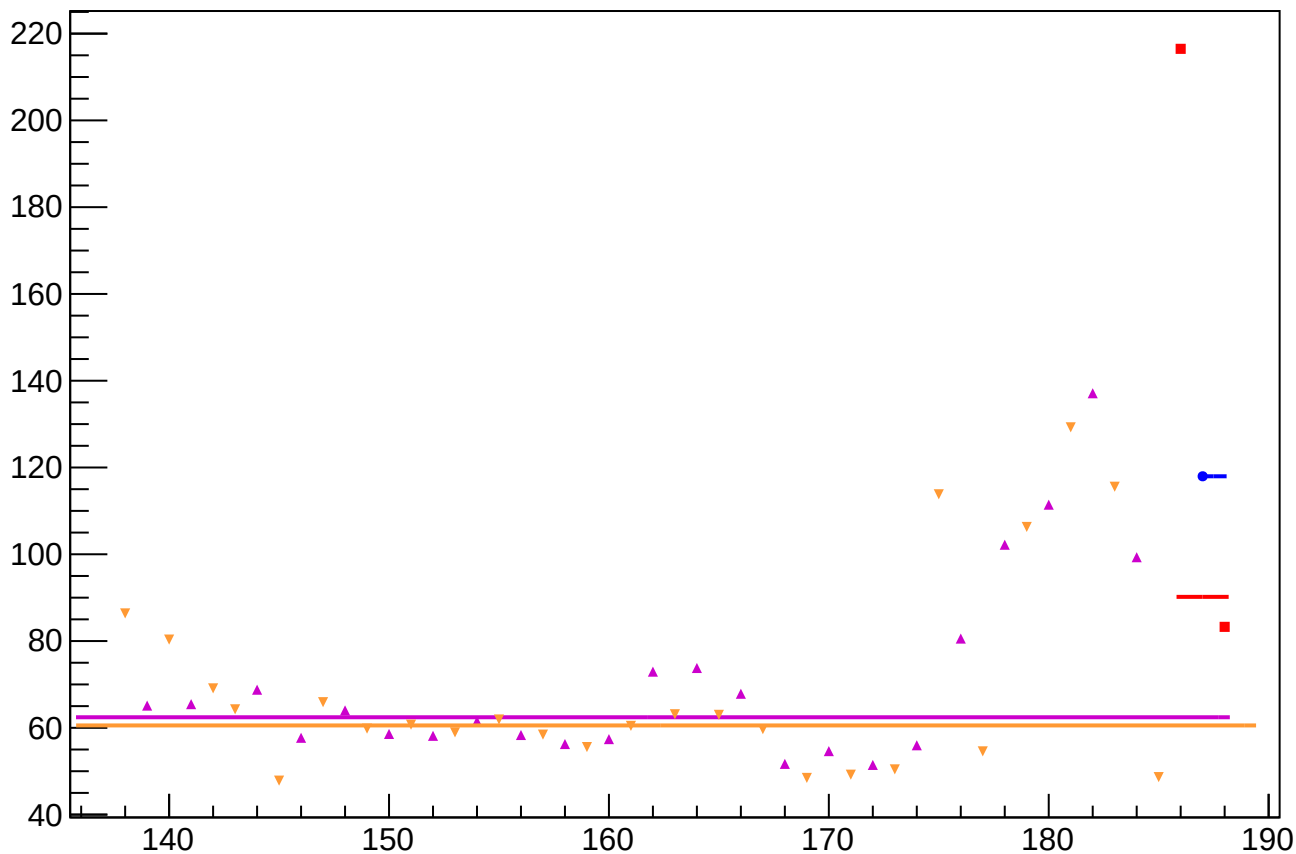
Right: -55.627 $\pm$ 82.966 χ^2 /NDF: 0.4/2

In: -28.845 $\pm$ 15.474 χ^2 /NDF:26.5/23

Out: -22.075 $\pm$ 14.586 χ^2 /NDF:21.1/26

All: -25.260 $\pm$ 10.614 χ^2 /NDF: 47.7/50

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 117.975 $\pm$ 0.218 χ^2 /NDF: 0.0/0

Left Out: 60.551 $\pm$ 0.010 χ^2 /NDF:1951663.1/24

Right Out: 90.184 $\pm$ 0.061 χ^2 /NDF: 235280.0/1

Left In: 62.435 $\pm$ 0.011 χ^2 /NDF:1445748.2/22

Left: 61.450 $\pm$ 0.008 χ^2 /NDF: 3412871.1/47

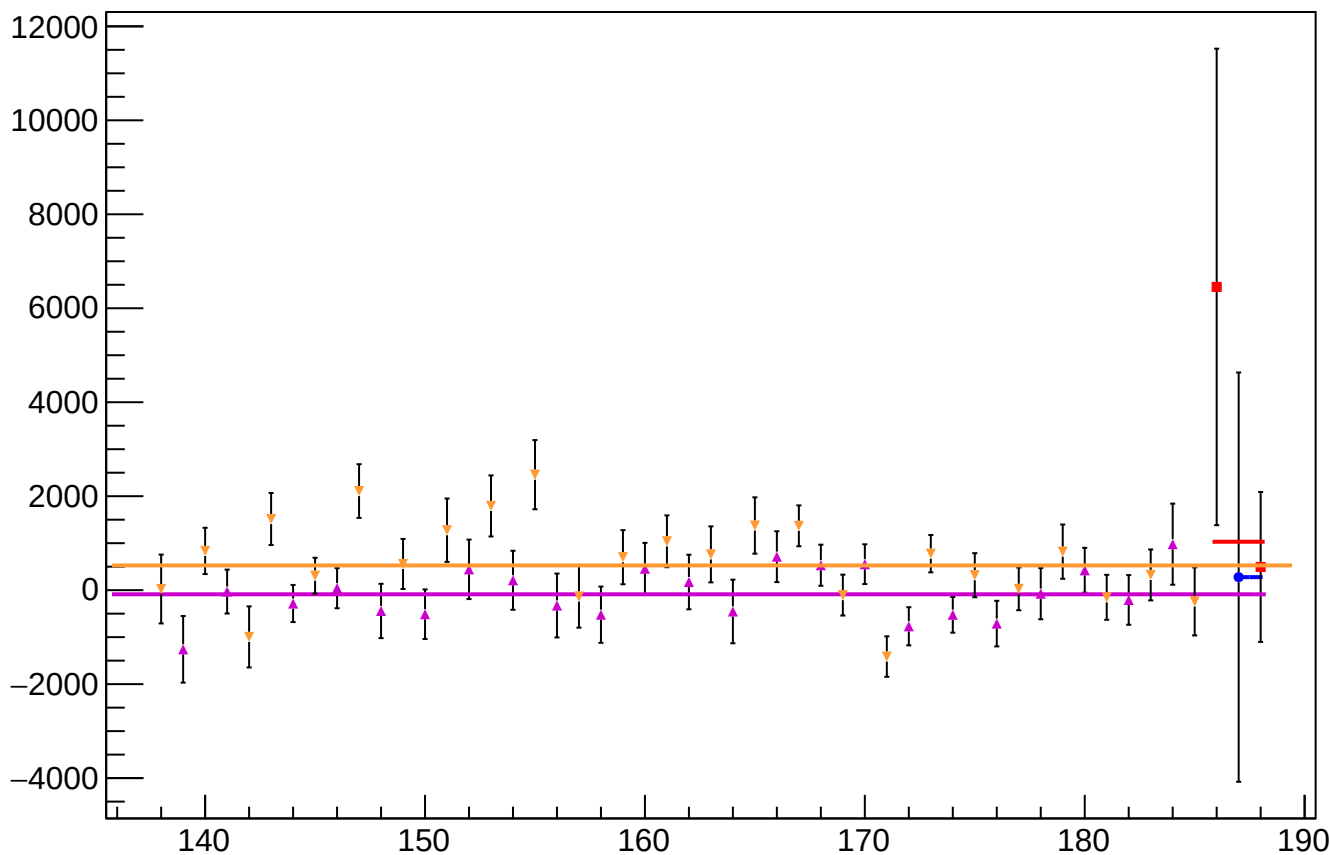
Right: 92.195 $\pm$ 0.059 χ^2 /NDF: 250343.0/2

In: 62.574 $\pm$ 0.011 χ^2 /NDF:1510439.2/23

Out: 61.400 $\pm$ 0.010 χ^2 /NDF:2416841.4/26

All: 61.953 $\pm$ 0.008 χ^2 /NDF: 3933376.1/50

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 277.121+/-4355.700 χ^2/NDF : 0.0/0

Left Out: 526.705+/-105.414 χ^2/NDF : 65.0/24

Right Out: 1030.491+/-1521.625 χ^2/NDF : 1.3/1

Left In: -87.989+/-106.843 χ^2/NDF : 22.1/22

Left: 223.494+/-75.039 χ^2/NDF : 103.9/47

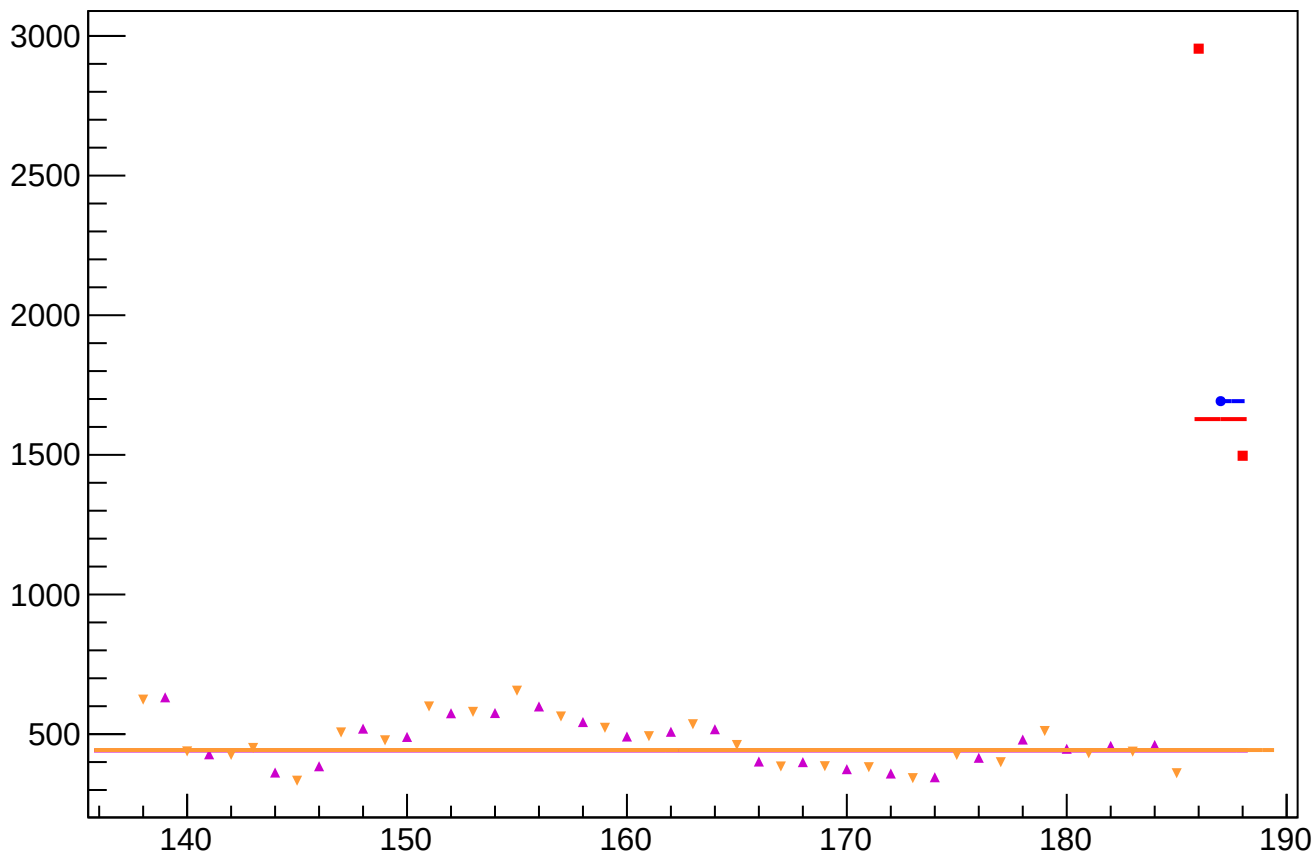
Right: 948.550+/-1436.493 χ^2/NDF : 1.3/2

In: -87.770+/-106.811 χ^2/NDF : 22.1/23

Out: 529.112+/-105.162 χ^2/NDF : 66.4/26

All: 225.467+/-74.937 χ^2/NDF : 105.4/50

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1692.346 $\pm$ 3.080 χ^2/NDF : 0.0/0

Left Out: 443.031 $\pm$ 0.075 χ^2/NDF :1171662.6/24

Right Out: 1628.046 $\pm$ 1.076 χ^2/NDF : 150379.6/1

Left In: 441.359 $\pm$ 0.076 χ^2/NDF :1035839.5/22

Left: 442.206 $\pm$ 0.053 χ^2/NDF : 2207750.3/47

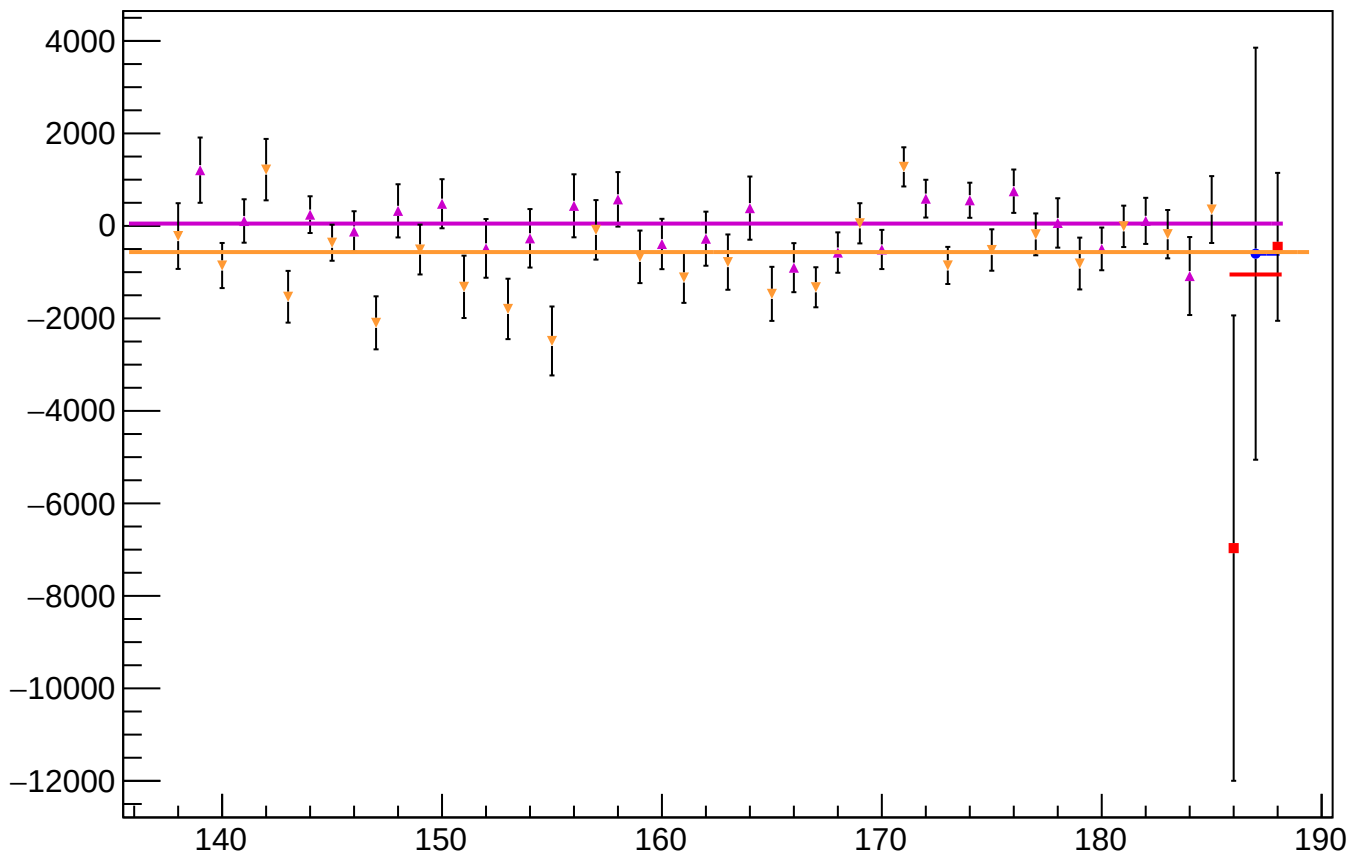
Right: 1635.039 $\pm$ 1.016 χ^2/NDF : 150768.1/2

In: 442.111 $\pm$ 0.076 χ^2/NDF :1200715.9/23

Out: 448.691 $\pm$ 0.074 χ^2/NDF :2529252.1/26

All: 445.452 $\pm$ 0.053 χ^2/NDF : 3733822.4/50

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -600.770 $\pm$ 4455.156 χ^2 /NDF: 0.0/0

Left Out: -565.545 $\pm$ 104.460 χ^2 /NDF:62.9/24

Right Out: -1050.275 $\pm$ 1524.239 χ^2 /NDF: 1.5/1

Left In: 50.387 $\pm$ 106.218 χ^2 /NDF:23.3/22

Left: -262.717 $\pm$ 74.478 χ^2 /NDF: 103.3/47

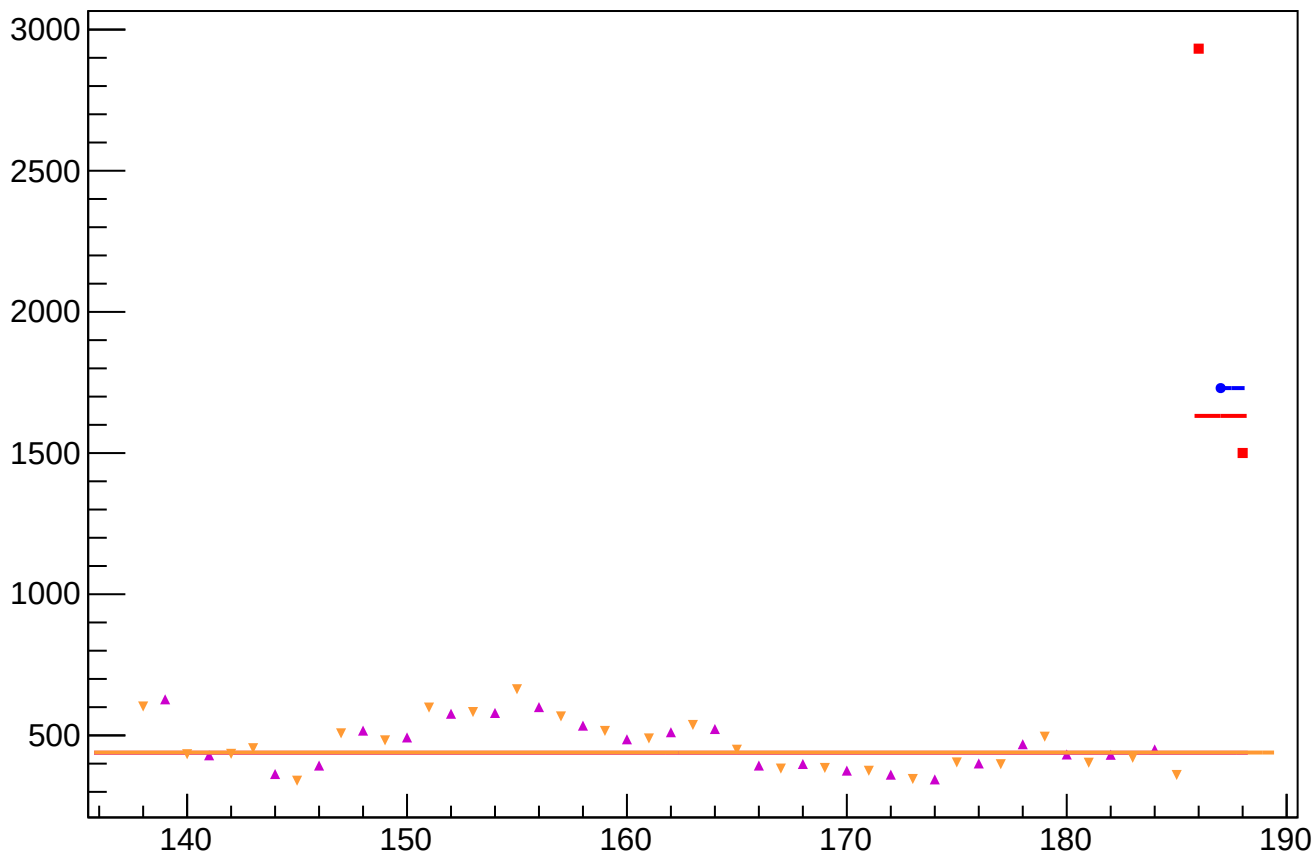
Right: -1003.173 $\pm$ 1442.170 χ^2 /NDF: 1.5/2

In: 50.018 $\pm$ 106.188 χ^2 /NDF:23.3/23

Out: -567.811 $\pm$ 104.216 χ^2 /NDF:64.6/26

All: -264.686 $\pm$ 74.379 χ^2 /NDF: 105.1/50

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 1730.123+/-3.150 χ^2/NDF : 0.0/0

Left Out: 439.314+/-0.074 χ^2/NDF :1164031.3/24

Right Out: 1631.684+/-1.078 χ^2/NDF : 147146.4/1

Left In: 438.365+/-0.075 χ^2/NDF :1024661.1/22

Left: 438.847+/-0.053 χ^2/NDF : 2188773.6/47

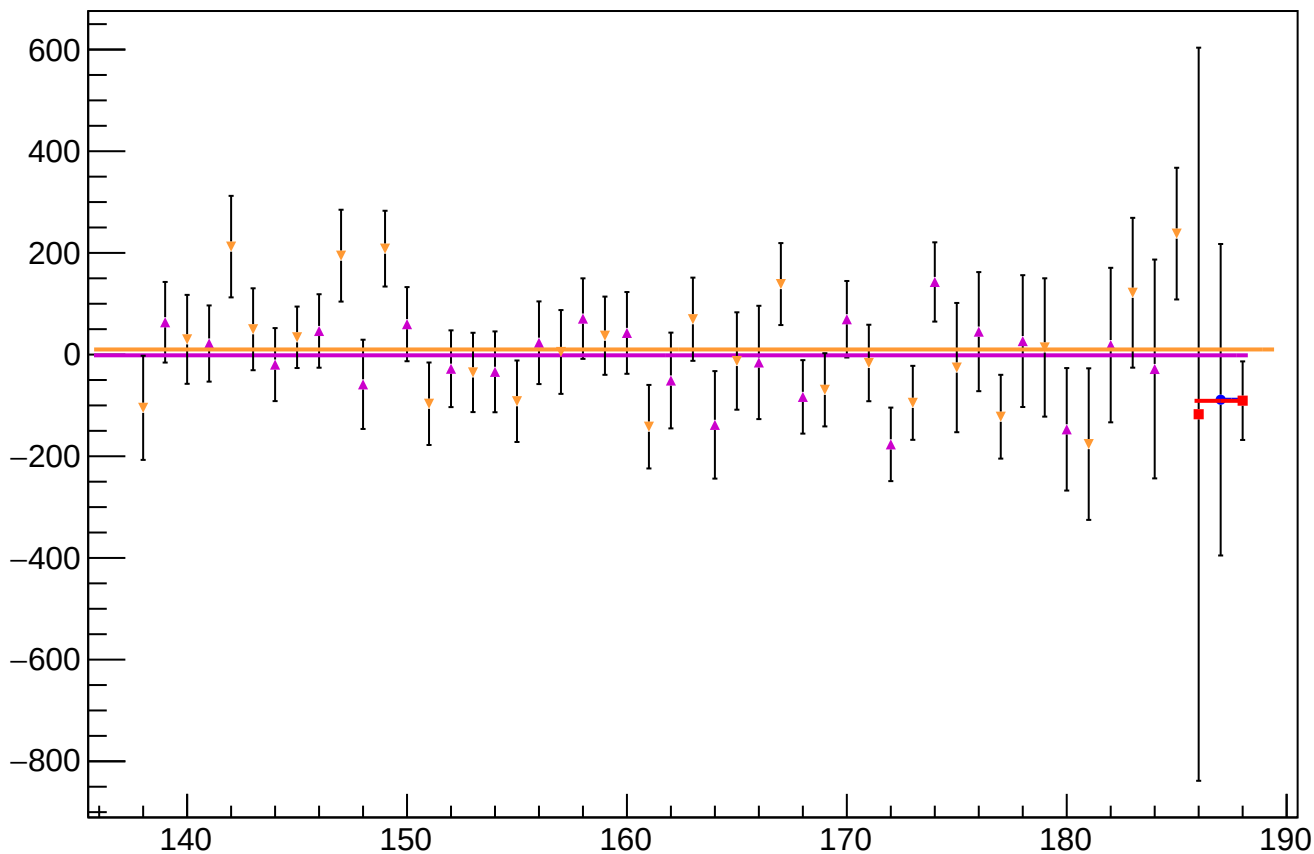
Right: 1641.999+/-1.020 χ^2/NDF : 148020.5/2

In: 439.099+/-0.075 χ^2/NDF :1192703.9/23

Out: 444.888+/-0.074 χ^2/NDF :2529356.2/26

All: 442.048+/-0.053 χ^2/NDF : 3725088.3/50

dit_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -88.820 $\pm$ 306.352 χ^2 /NDF: 0.0/0

Left Out: 10.078 $\pm$ 17.207 χ^2 /NDF:38.7/24

Right Out: -90.956 $\pm$ 76.830 χ^2 /NDF: 0.0/1

Left In: -1.434 $\pm$ 17.926 χ^2 /NDF:19.0/22

Left: 4.557 $\pm$ 12.414 χ^2 /NDF: 58.0/47

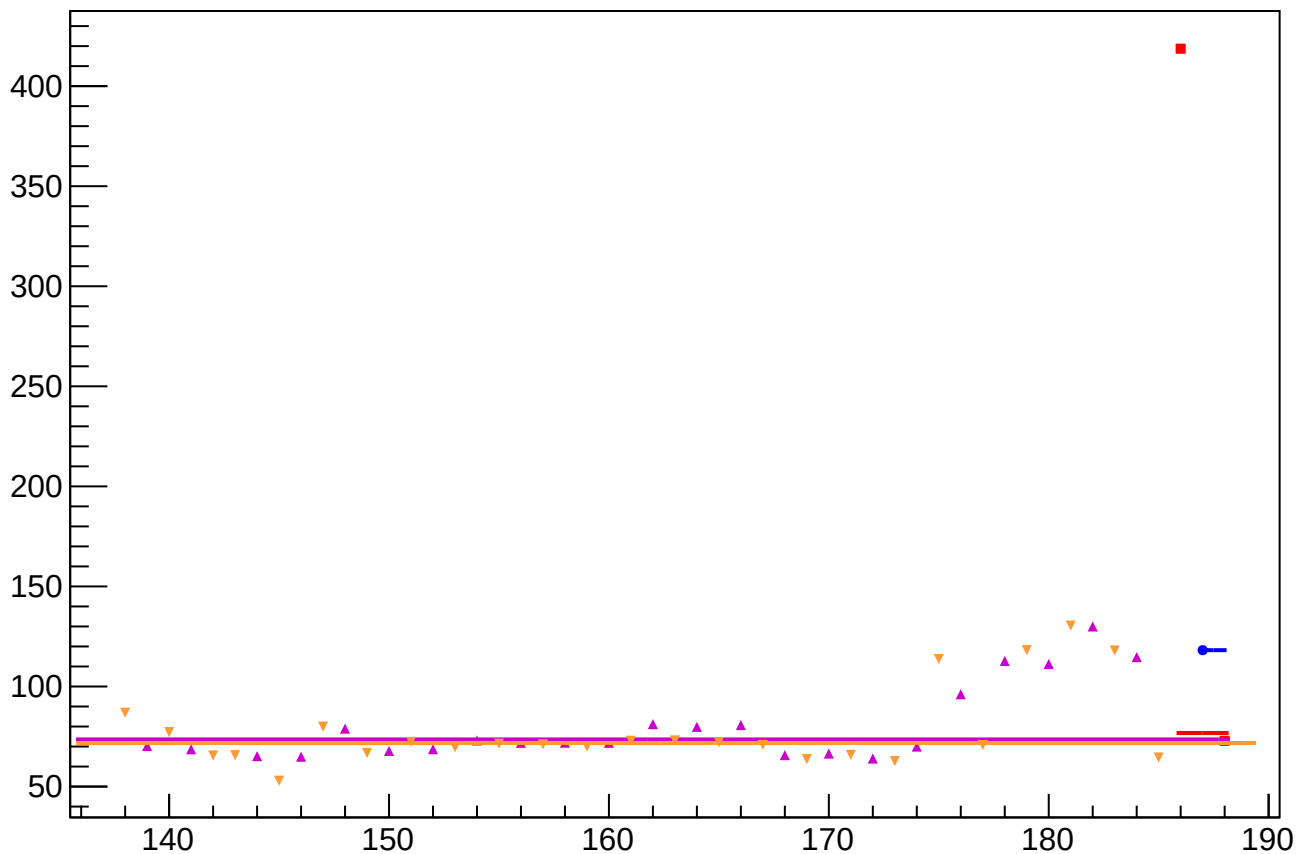
Right: -90.830 $\pm$ 74.522 χ^2 /NDF: 0.0/2

In: -1.732 $\pm$ 17.895 χ^2 /NDF:19.1/23

Out: 5.252 $\pm$ 16.791 χ^2 /NDF:40.4/26

All: 1.982 $\pm$ 12.245 χ^2 /NDF: 59.6/50

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 118.153 $\pm$ 0.217 χ^2 /NDF: 0.0/0

Left Out: 71.785 $\pm$ 0.012 χ^2 /NDF:1325726.8/24

Right Out: 76.780 $\pm$ 0.054 χ^2 /NDF: 454951.4/1

Left In: 73.558 $\pm$ 0.013 χ^2 /NDF:1009353.9/22

Left: 72.635 $\pm$ 0.009 χ^2 /NDF: 2345268.8/47

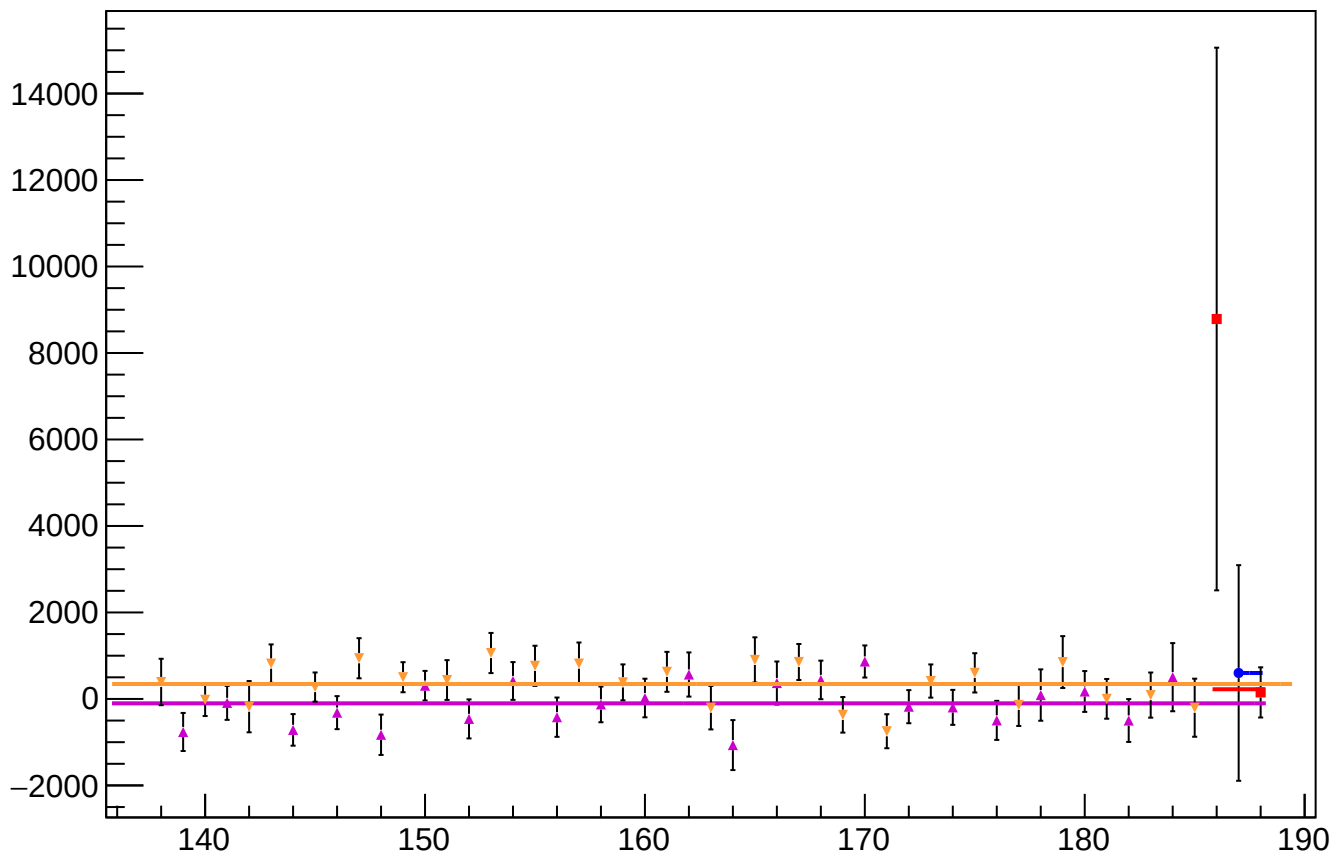
Right: 79.228 $\pm$ 0.053 χ^2 /NDF: 489270.9/2

In: 73.710 $\pm$ 0.013 χ^2 /NDF:1051588.9/23

Out: 72.023 $\pm$ 0.012 χ^2 /NDF:1788727.5/26

All: 72.813 $\pm$ 0.009 χ^2 /NDF: 2849769.3/50

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 600.290 $\pm$ 2493.297 χ^2 /NDF: 0.0/0

Left Out: 345.360 $\pm$ 89.857 χ^2 /NDF:27.4/24

Right Out: 224.167 $\pm$ 577.800 χ^2 /NDF: 1.9/1

Left In: -101.648 $\pm$ 91.670 χ^2 /NDF:28.1/22

Left: 126.320 $\pm$ 64.170 χ^2 /NDF: 67.5/47

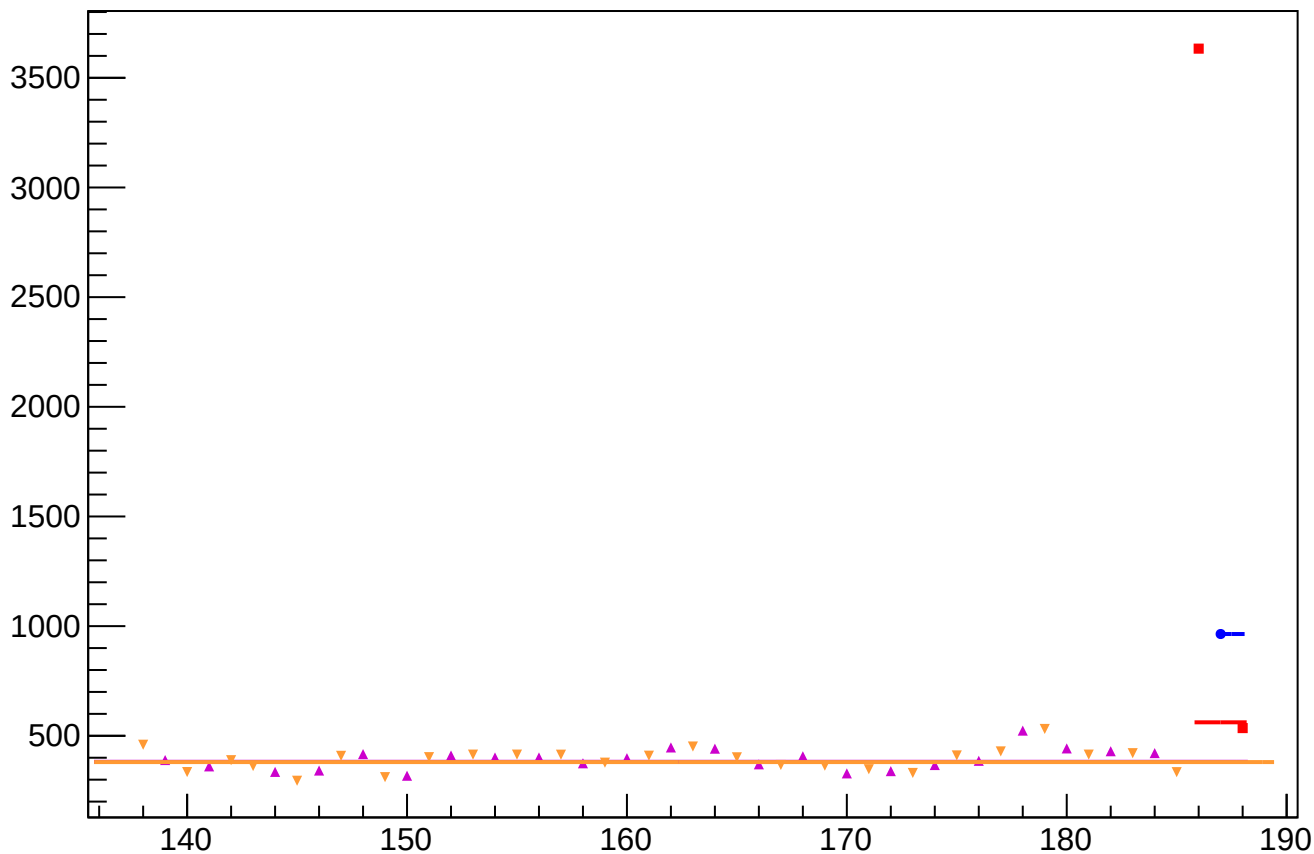
Right: 243.337 $\pm$ 562.883 χ^2 /NDF: 1.9/2

In: -100.700 $\pm$ 91.608 χ^2 /NDF:28.1/23

Out: 342.498 $\pm$ 88.790 χ^2 /NDF:29.3/26

All: 127.821 $\pm$ 63.757 χ^2 /NDF: 69.5/50

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 964.097 $\pm$ 1.763 χ^2 /NDF: 0.0/0

Left Out: 380.206 $\pm$ 0.064 χ^2 /NDF: 616620.6/24

Right Out: 561.466 $\pm$ 0.409 χ^2 /NDF: 483352.3/1

Left In: 381.474 $\pm$ 0.065 χ^2 /NDF: 461021.8/22

Left: 380.828 $\pm$ 0.045 χ^2 /NDF: 1077837.5/47

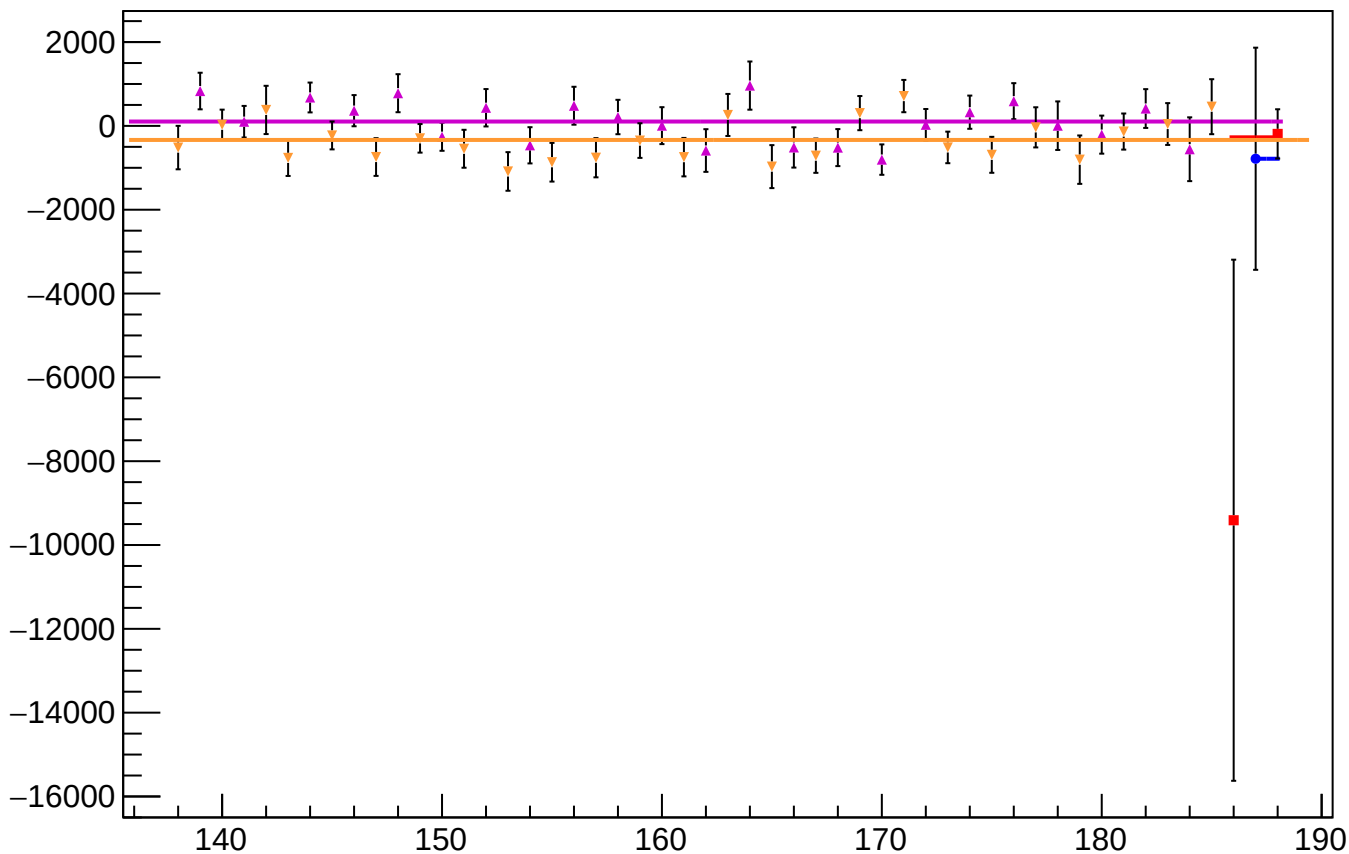
Right: 581.987 $\pm$ 0.398 χ^2 /NDF: 532849.0/2

In: 382.261 $\pm$ 0.065 χ^2 /NDF: 570082.9/23

Out: 384.487 $\pm$ 0.063 χ^2 /NDF: 1292149.1/26

All: 383.408 $\pm$ 0.045 χ^2 /NDF: 1862840.8/50

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -783.813 $\pm$ 2650.230 χ^2 /NDF: 0.0/0

Left Out: -335.242 $\pm$ 87.706 χ^2 /NDF:28.3/24

Right Out: -272.822 $\pm$ 585.309 χ^2 /NDF: 2.2/1

Left In: 104.117 $\pm$ 89.613 χ^2 /NDF:29.7/22

Left: -120.287 $\pm$ 62.681 χ^2 /NDF: 70.2/47

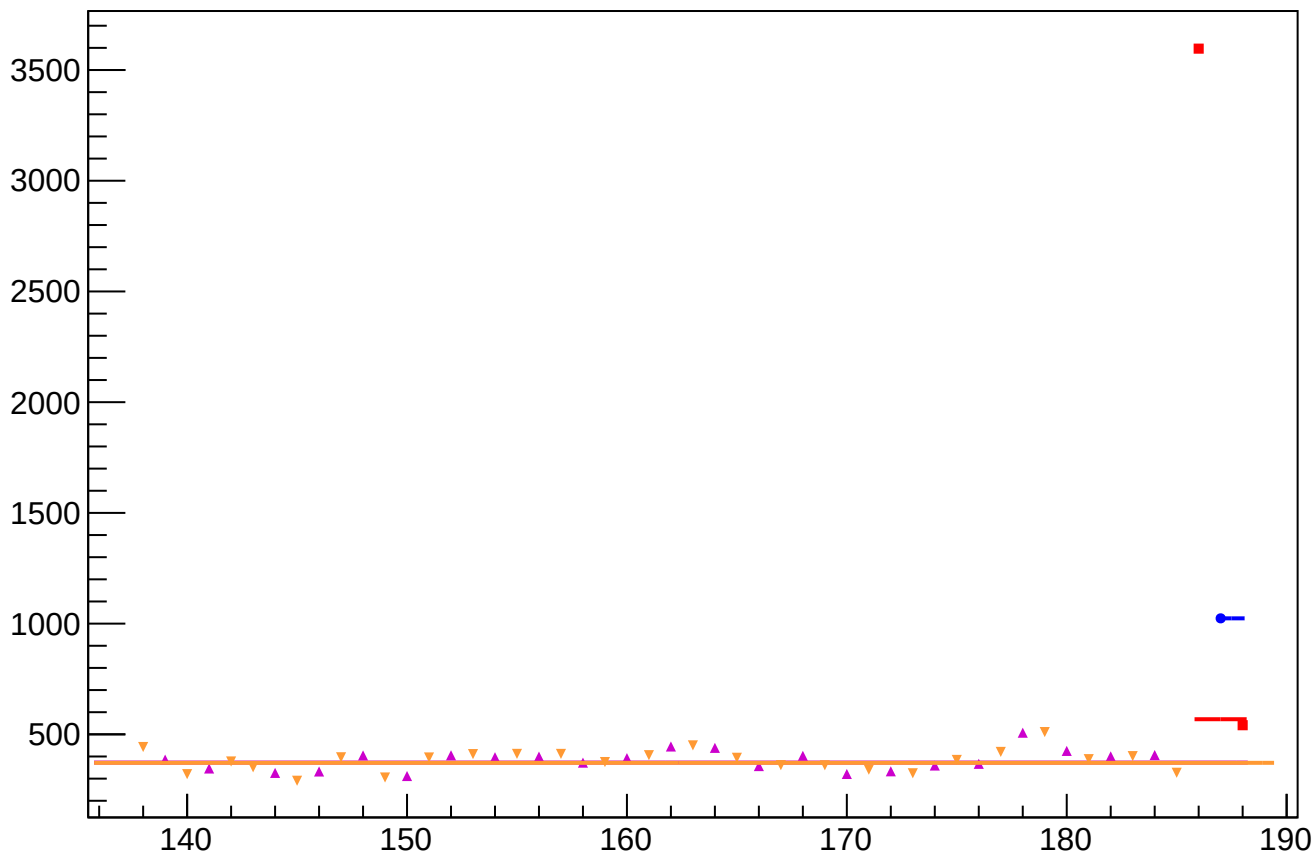
Right: -296.586 $\pm$ 571.536 χ^2 /NDF: 2.2/2

In: 103.103 $\pm$ 89.562 χ^2 /NDF:29.8/23

Out: -333.871 $\pm$ 86.738 χ^2 /NDF:30.5/26

All: -122.382 $\pm$ 62.307 χ^2 /NDF: 72.5/50

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 1023.828 $\pm$ 1.874 χ^2/NDF : 0.0/0

Left Out: 371.375 $\pm$ 0.062 χ^2/NDF :604123.3/24

Right Out: 568.284 $\pm$ 0.414 χ^2/NDF : 478771.0/1

Left In: 372.574 $\pm$ 0.063 χ^2/NDF :464397.2/22

Left: 371.962 $\pm$ 0.044 χ^2/NDF : 1068703.4/47

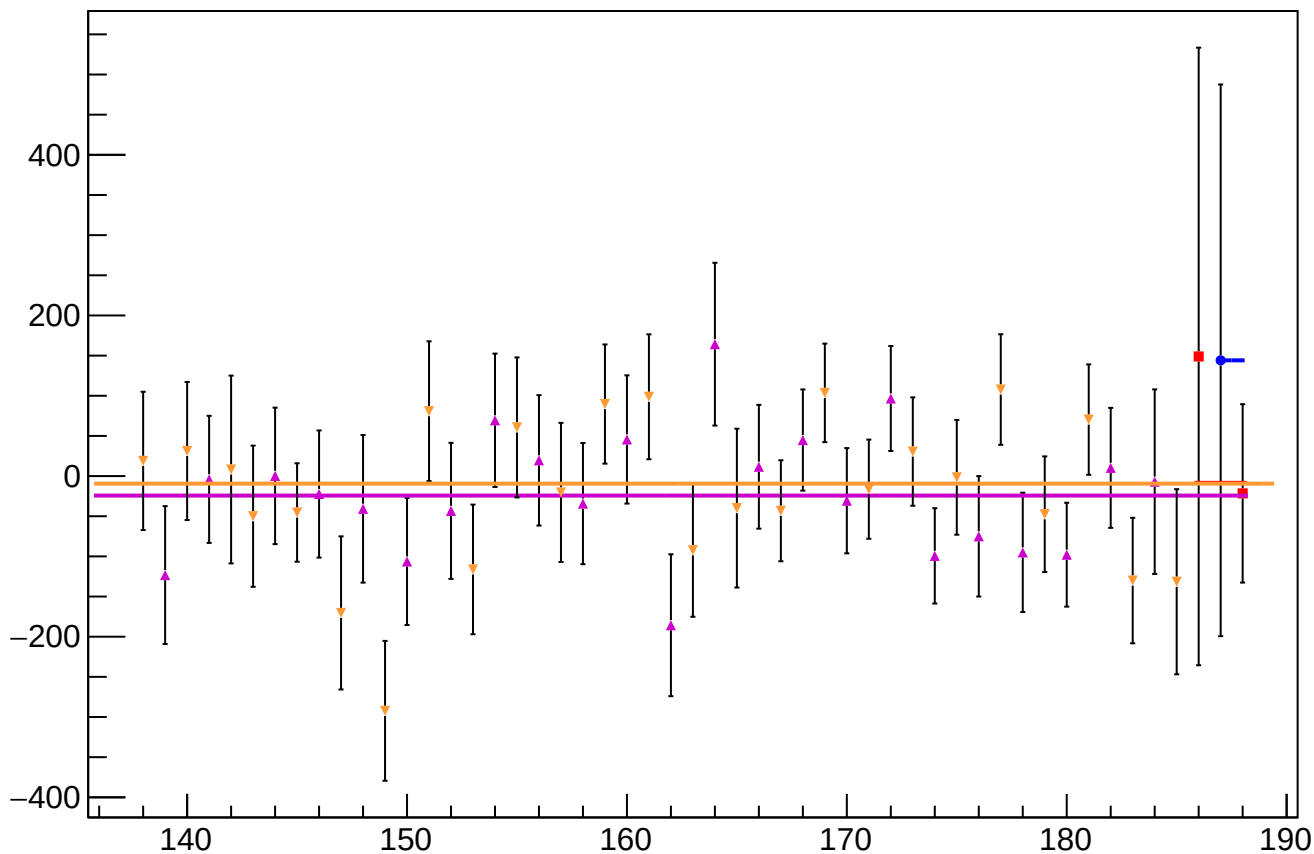
Right: 589.470 $\pm$ 0.404 χ^2/NDF : 535114.1/2

In: 373.318 $\pm$ 0.063 χ^2/NDF :585030.7/23

Out: 375.700 $\pm$ 0.061 χ^2/NDF :1304278.5/26

All: 374.547 $\pm$ 0.044 χ^2/NDF : 1890039.0/50

dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 144.116 $\pm$ 343.470 χ^2 /NDF: 0.0/0

Left Out: -9.398 $\pm$ 15.471 χ^2 /NDF:34.7/24

Right Out: -8.401 $\pm$ 106.703 χ^2 /NDF: 0.2/1

Left In: -24.293 $\pm$ 16.034 χ^2 /NDF:21.1/22

Left: -16.580 $\pm$ 11.133 χ^2 /NDF: 56.3/47

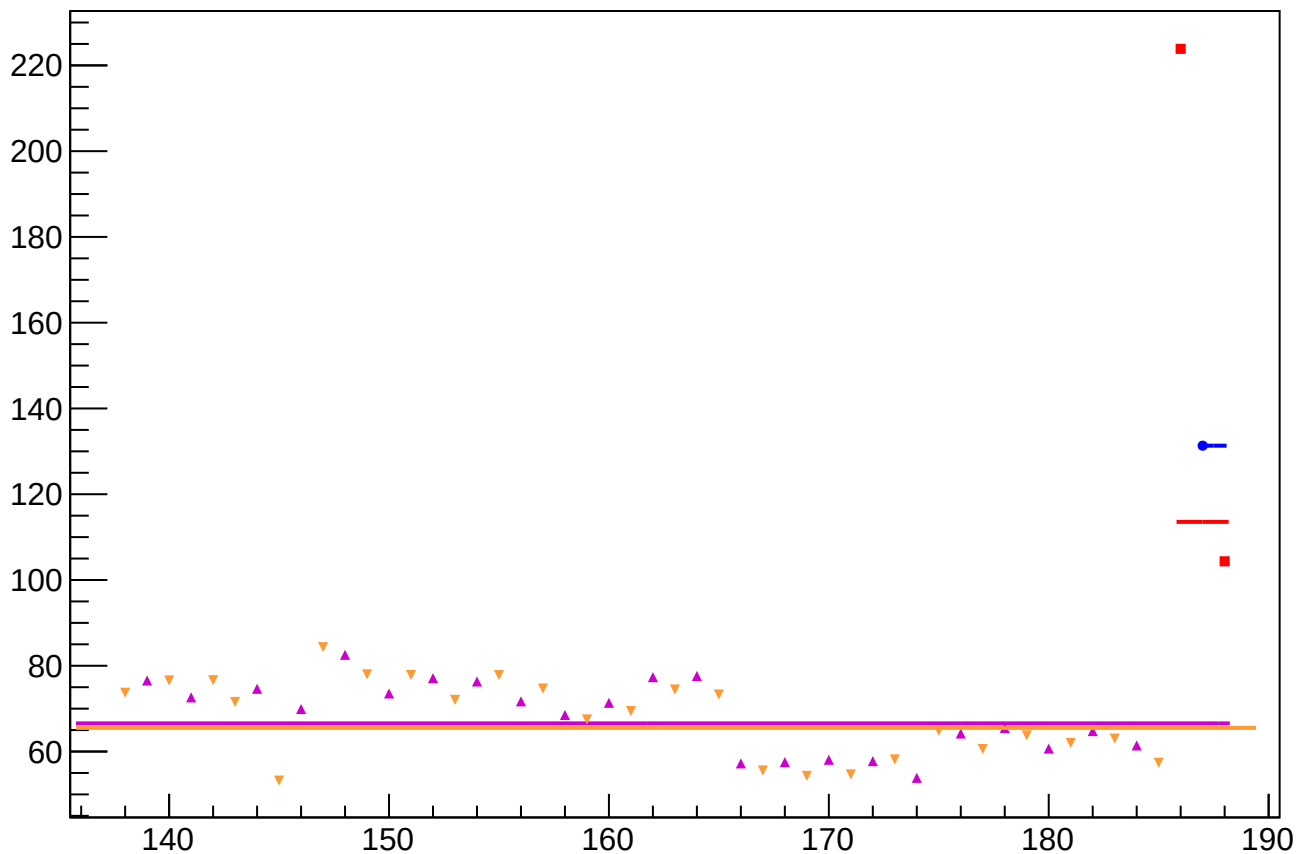
Right: 5.023 $\pm$ 101.899 χ^2 /NDF: 0.4/2

In: -23.927 $\pm$ 16.016 χ^2 /NDF:21.4/23

Out: -9.377 $\pm$ 15.311 χ^2 /NDF:34.9/26

All: -16.325 $\pm$ 11.067 χ^2 /NDF: 56.7/50

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 131.320 $\pm$ 0.243 χ^2 /NDF: 0.0/0

Left Out: 65.512 $\pm$ 0.011 χ^2 /NDF: 666993.4/24

Right Out: 113.557 $\pm$ 0.075 χ^2 /NDF: 178342.9/1

Left In: 66.564 $\pm$ 0.011 χ^2 /NDF: 521302.1/22

Left: 66.019 $\pm$ 0.008 χ^2 /NDF: 1192752.0/47

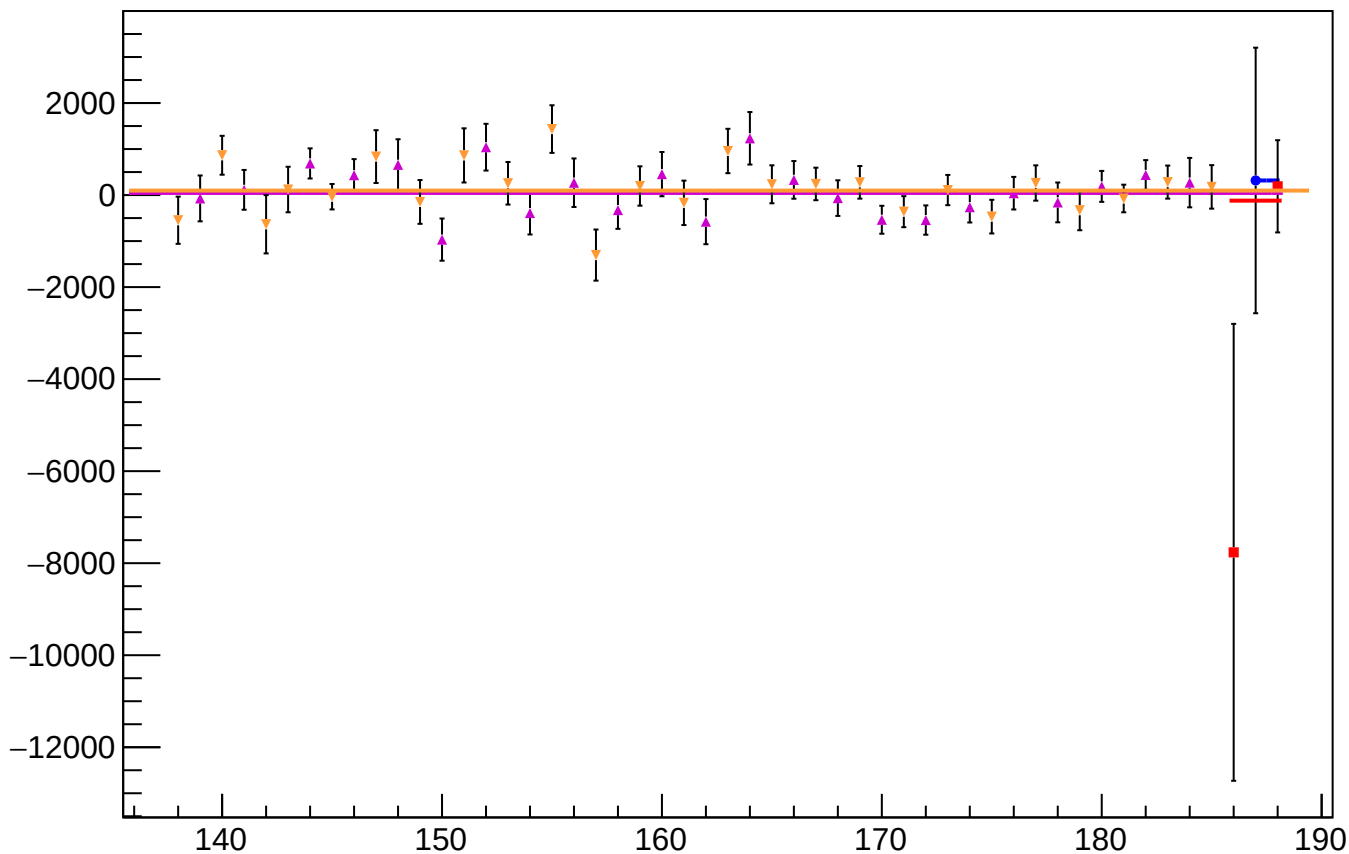
Right: 115.120 $\pm$ 0.072 χ^2 /NDF: 183221.7/2

In: 66.704 $\pm$ 0.011 χ^2 /NDF: 592240.2/23

Out: 66.501 $\pm$ 0.011 χ^2 /NDF: 1242465.9/26

All: 66.598 $\pm$ 0.008 χ^2 /NDF: 1834874.4/50

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 317.423 $\pm$ 2885.854 χ^2 /NDF: 0.0/0

Left Out: 97.420 $\pm$ 82.238 χ^2 /NDF:33.3/24

Right Out: -121.149 $\pm$ 982.243 χ^2 /NDF: 2.5/1

Left In: 46.660 $\pm$ 83.857 χ^2 /NDF:34.2/22

Left: 72.535 $\pm$ 58.715 χ^2 /NDF: 67.7/47

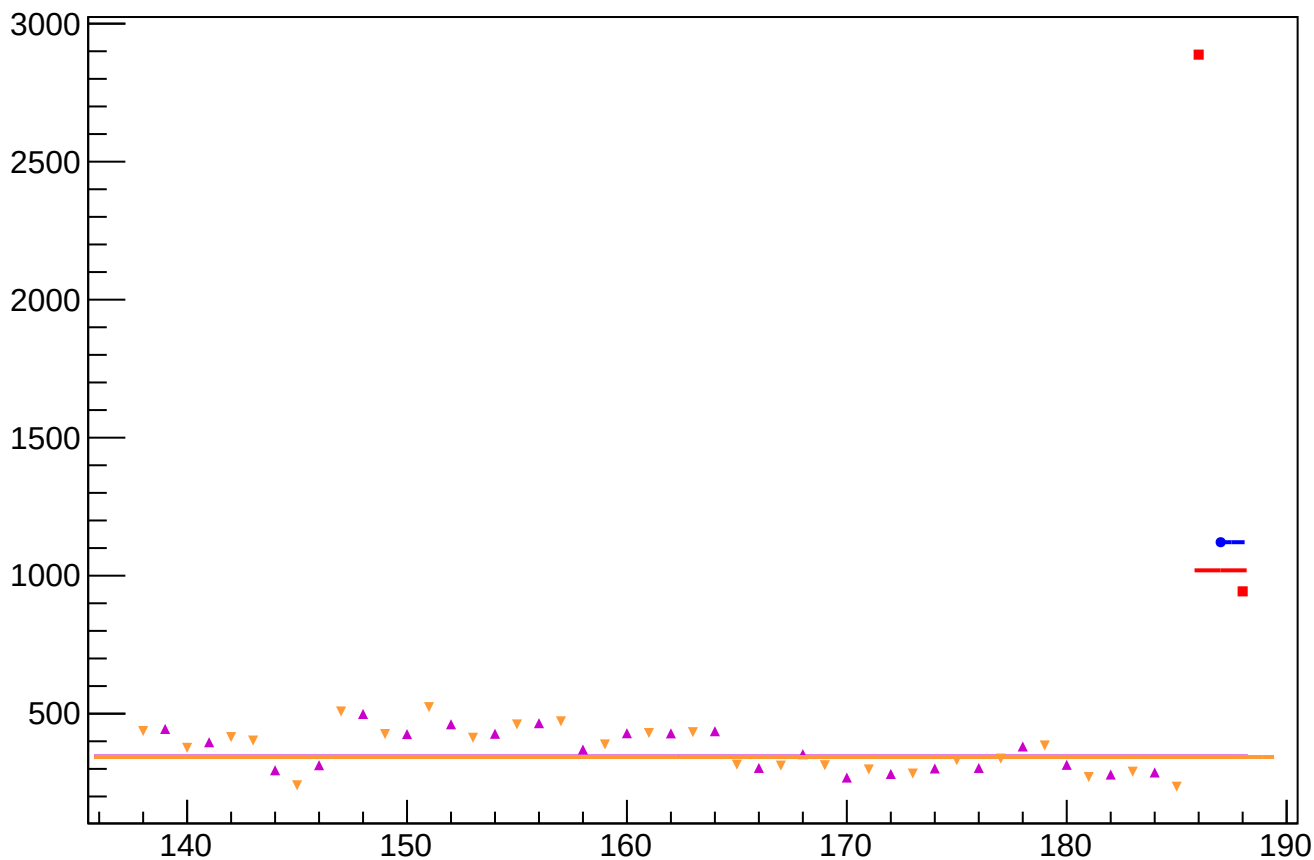
Right: -75.617 $\pm$ 929.857 χ^2 /NDF: 2.5/2

In: 46.888 $\pm$ 83.822 χ^2 /NDF:34.2/23

Out: 95.899 $\pm$ 81.951 χ^2 /NDF:35.8/26

All: 71.946 $\pm$ 58.598 χ^2 /NDF: 70.2/50

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 1121.257 $\pm$ 2.041 χ^2 /NDF: 0.0/0

Left Out: 342.995 $\pm$ 0.058 χ^2 /NDF:1665121.0/24

Right Out: 1019.310 $\pm$ 0.695 χ^2 /NDF: 294773.8/1

Left In: 344.818 $\pm$ 0.059 χ^2 /NDF:1264545.0/22

Left: 343.889 $\pm$ 0.042 χ^2 /NDF: 2930147.7/47

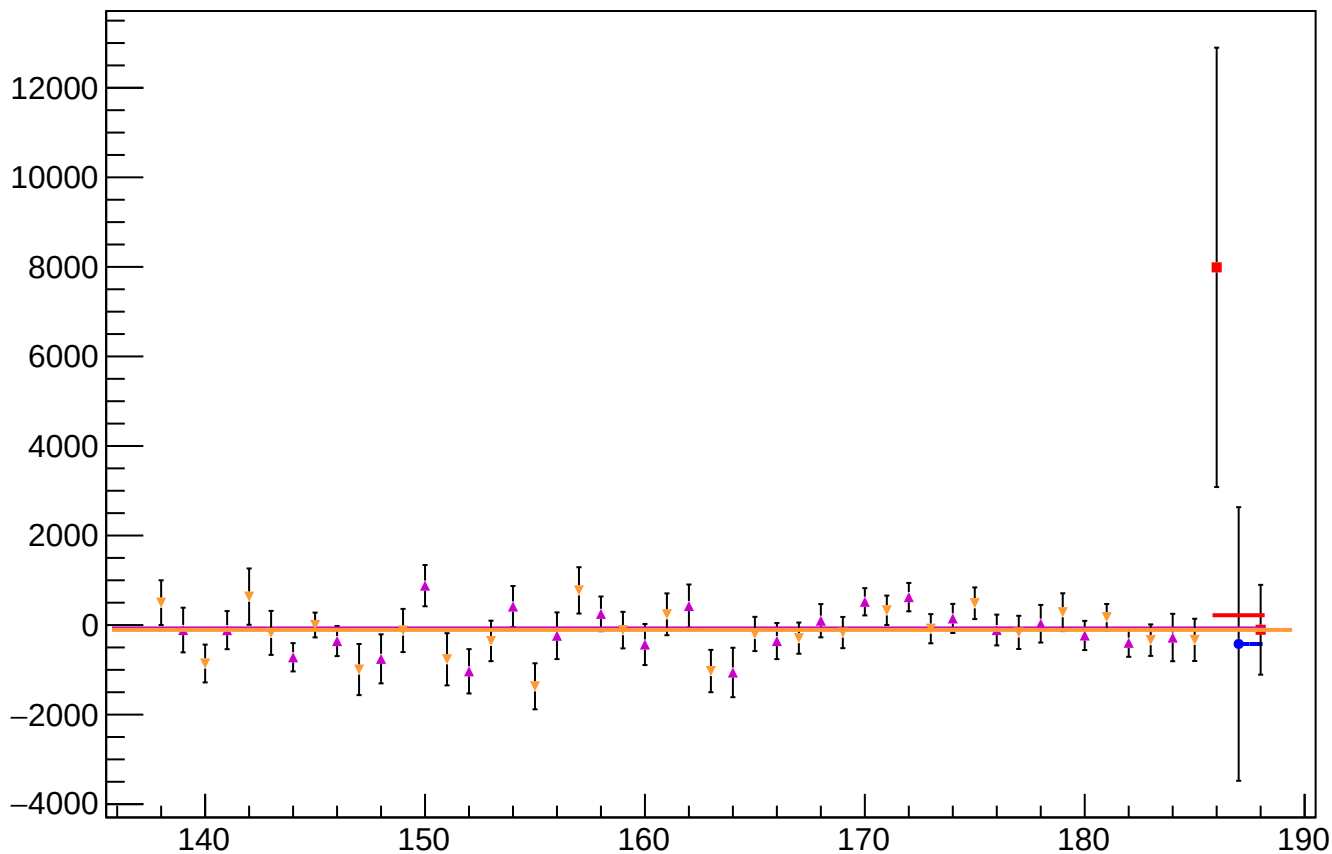
Right: 1029.894 $\pm$ 0.658 χ^2 /NDF: 297010.6/2

In: 345.473 $\pm$ 0.059 χ^2 /NDF:1409198.4/23

Out: 347.703 $\pm$ 0.058 χ^2 /NDF:2901472.2/26

All: 346.613 $\pm$ 0.041 χ^2 /NDF: 4311394.3/50

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -422.369+/-3055.841 χ^2/NDF : 0.0/0

Left Out: -108.037+/-80.579 χ^2/NDF :30.9/24

Right Out: 219.996+/-982.725 χ^2/NDF : 2.6/1

Left In: -74.986+/-81.949 χ^2/NDF :32.7/22

Left: -91.790+/-57.456 χ^2/NDF : 63.6/47

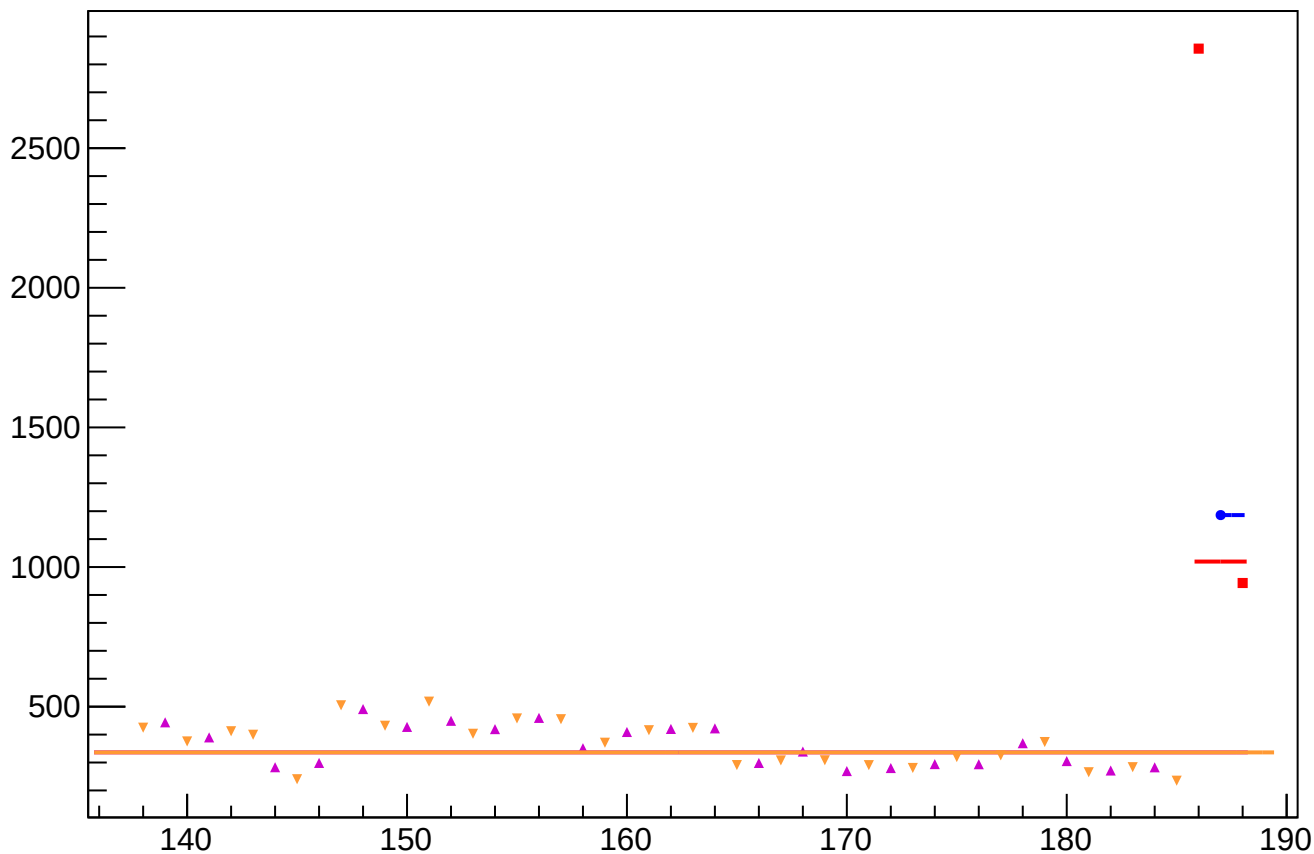
Right: 159.790+/-935.538 χ^2/NDF : 2.7/2

In: -75.236+/-81.920 χ^2/NDF :32.7/23

Out: -105.846+/-80.310 χ^2/NDF :33.6/26

All: -90.844+/-57.348 χ^2/NDF : 66.3/50

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 1186.048 $\pm$ 2.161 χ^2 /NDF: 0.0/0

Left Out: 336.231 $\pm$ 0.057 χ^2 /NDF:1659693.0/24

Right Out: 1019.601 $\pm$ 0.695 χ^2 /NDF: 291973.3/1

Left In: 336.396 $\pm$ 0.058 χ^2 /NDF:1269587.6/22

Left: 336.312 $\pm$ 0.041 χ^2 /NDF: 2929284.8/47

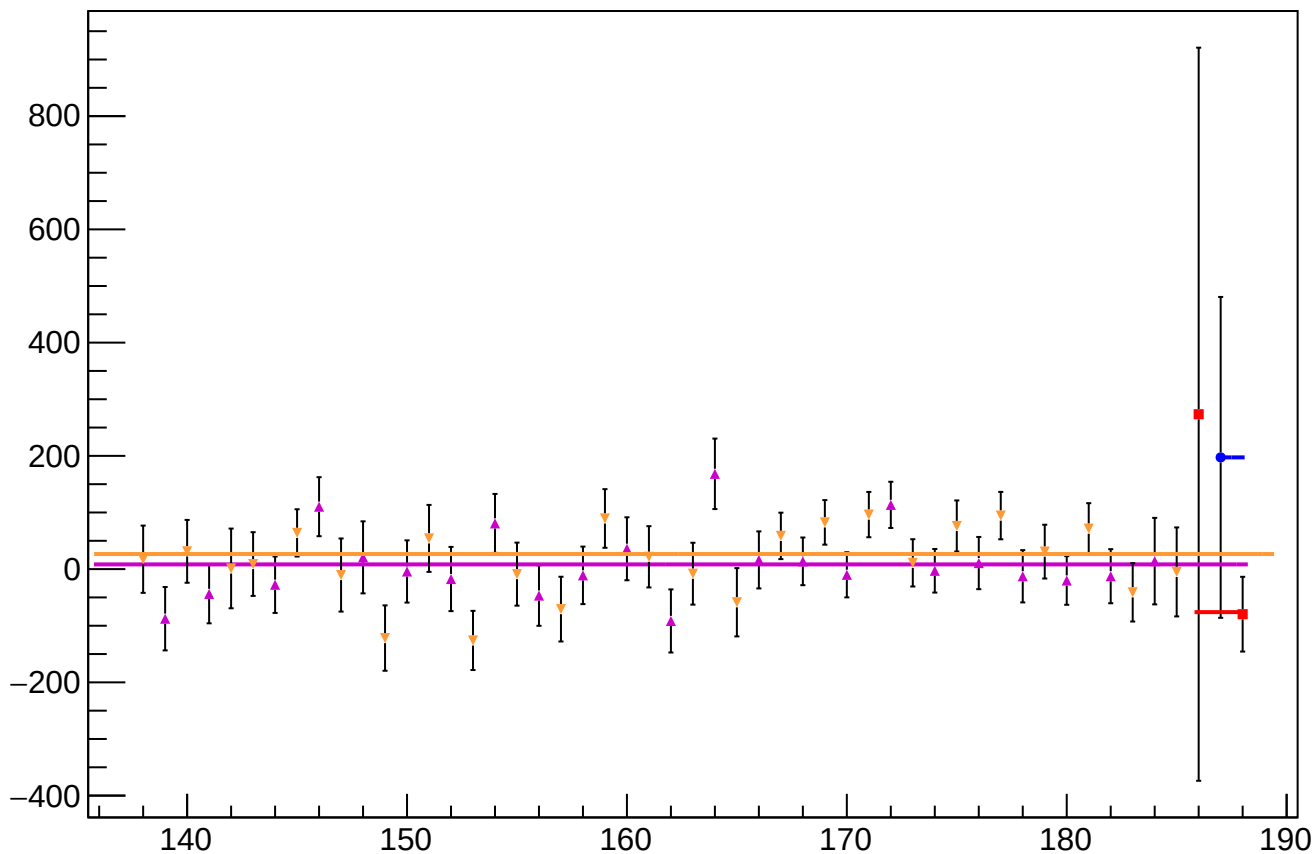
Right: 1035.201 $\pm$ 0.662 χ^2 /NDF: 297350.8/2

In: 337.006 $\pm$ 0.058 χ^2 /NDF:1424091.3/23

Out: 340.795 $\pm$ 0.057 χ^2 /NDF:2912322.2/26

All: 338.938 $\pm$ 0.041 χ^2 /NDF: 4338594.5/50

dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 197.326+/-283.352 χ^2/NDF : 0.0/0

Left Out: 26.633+/-10.090 χ^2/NDF :36.5/24

Right Out: -75.975+/-65.685 χ^2/NDF : 0.3/1

Left In: 8.325+/-10.361 χ^2/NDF :29.6/22

Left: 17.721+/-7.229 χ^2/NDF : 67.7/47

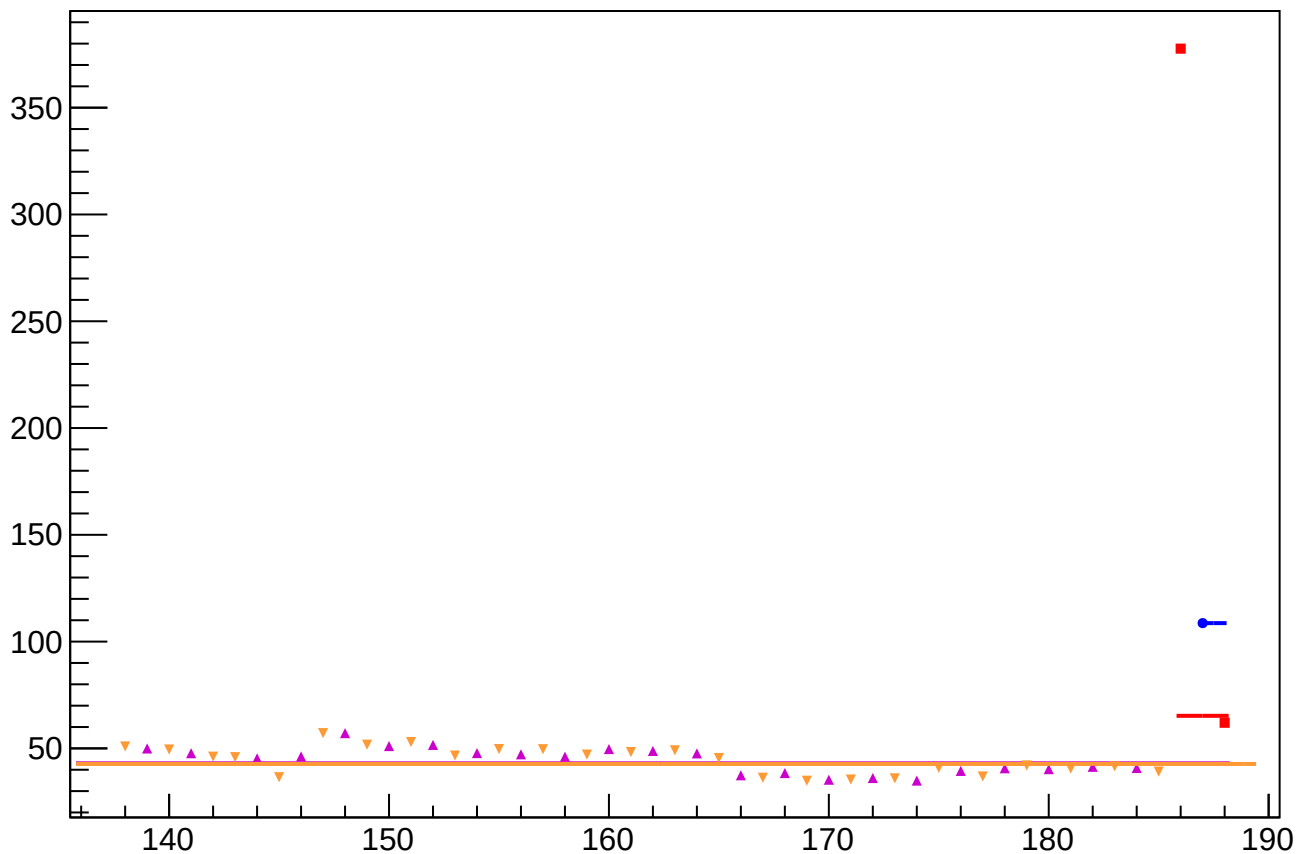
Right: -62.038+/-63.988 χ^2/NDF : 1.2/2

In: 8.577+/-10.354 χ^2/NDF :30.1/23

Out: 24.267+/-9.973 χ^2/NDF :39.1/26

All: 16.716+/-7.183 χ^2/NDF : 70.4/50

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 108.657 $\pm$ 0.200 χ^2 /NDF: 0.0/0

Left Out: 42.716 $\pm$ 0.007 χ^2 /NDF: 771558.7/24

Right Out: 65.252 $\pm$ 0.046 χ^2 /NDF: 470537.2/1

Left In: 43.021 $\pm$ 0.007 χ^2 /NDF: 642598.9/22

Left: 42.865 $\pm$ 0.005 χ^2 /NDF: 1415050.2/47

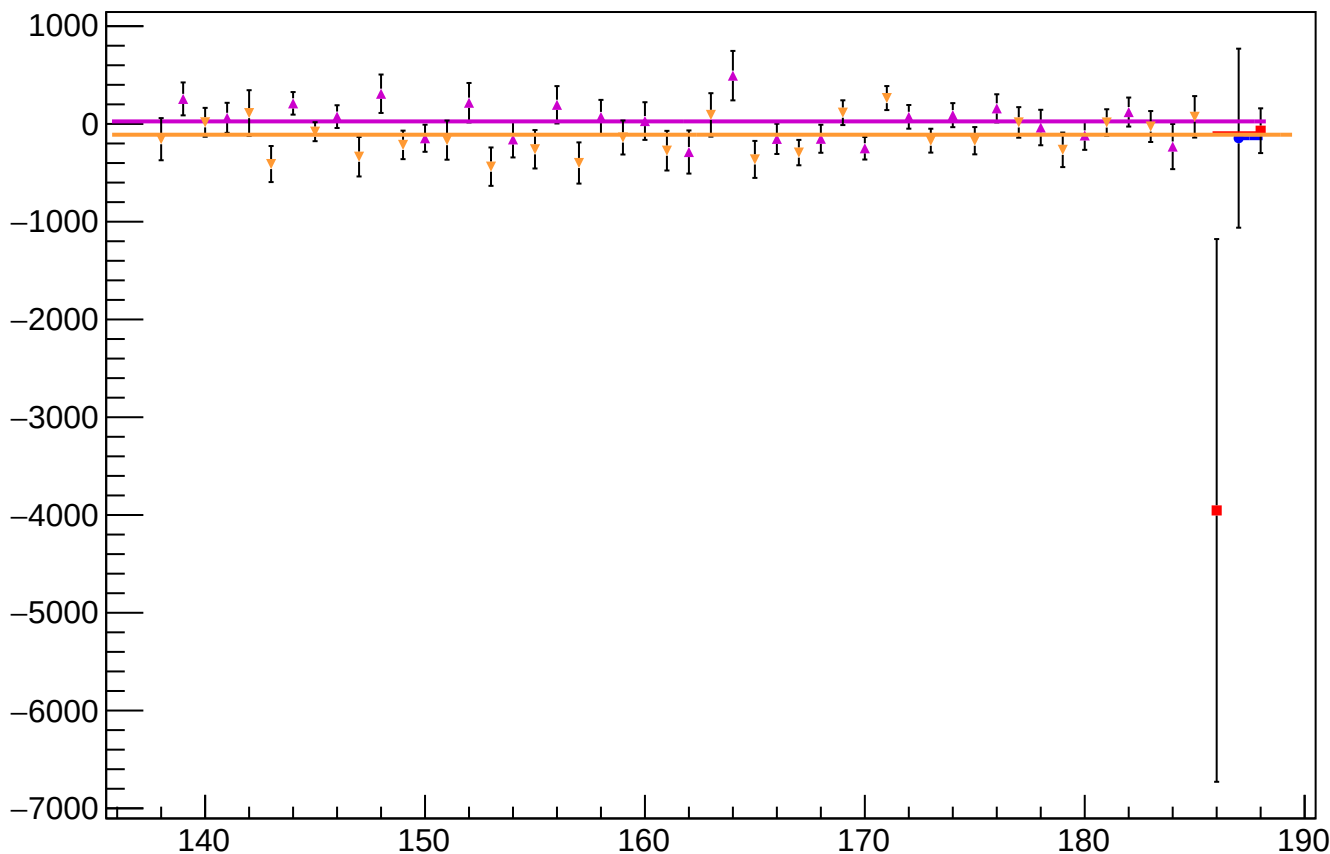
Right: 67.465 $\pm$ 0.045 χ^2 /NDF: 515074.2/2

In: 43.109 $\pm$ 0.007 χ^2 /NDF: 749768.0/23

Out: 43.235 $\pm$ 0.007 χ^2 /NDF: 1472087.1/26

All: 43.175 $\pm$ 0.005 χ^2 /NDF: 2222009.6/50

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.893+/-915.579 χ^2 /NDF: 0.0/0

Left Out: -110.340+/-31.717 χ^2 /NDF:33.0/24

Right Out: -95.576+/-228.105 χ^2 /NDF: 1.9/1

Left In: 25.828+/-32.100 χ^2 /NDF:29.0/22

Left: -43.073+/-22.561 χ^2 /NDF: 71.1/47

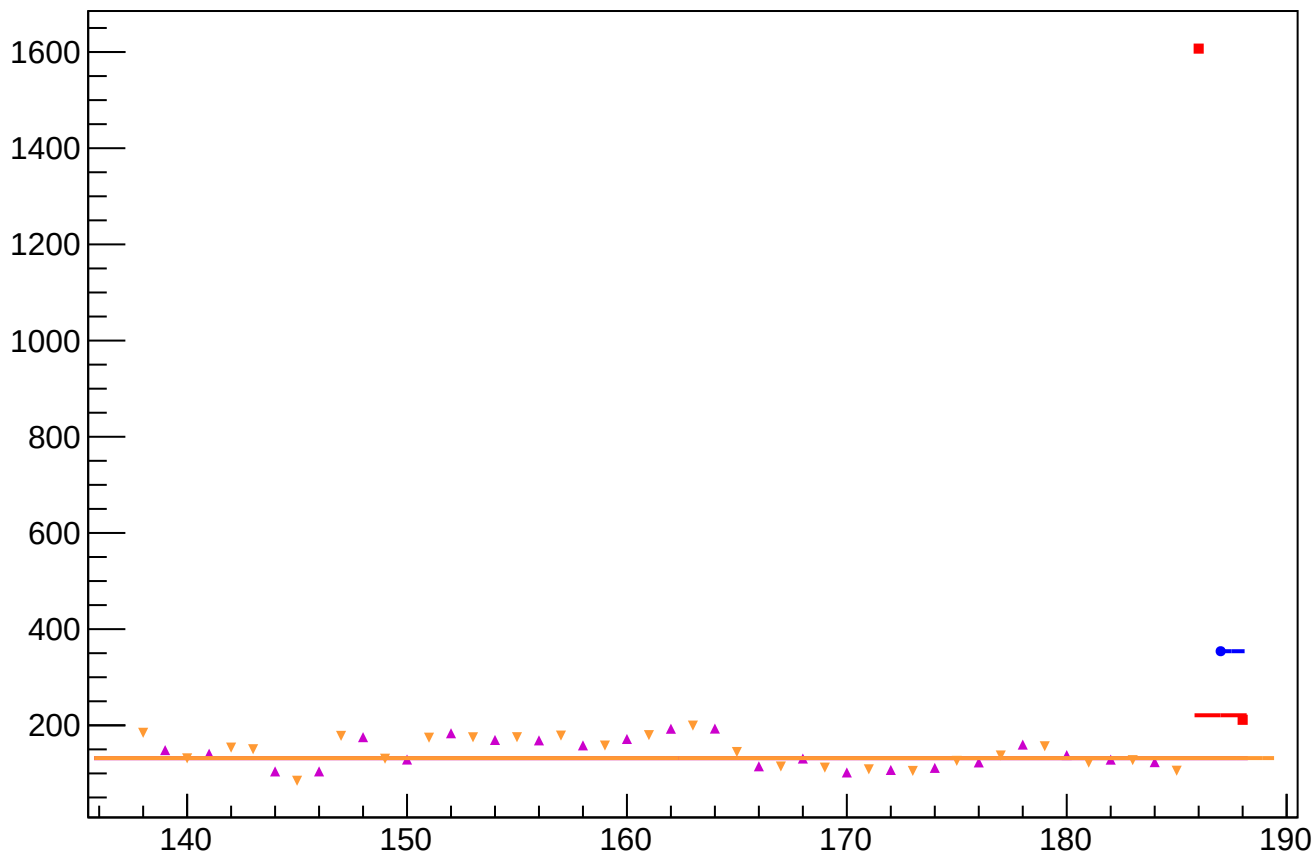
Right: -98.516+/-221.339 χ^2 /NDF: 1.9/2

In: 25.617+/-32.080 χ^2 /NDF:29.1/23

Out: -110.060+/-31.415 χ^2 /NDF:34.9/26

All: -43.643+/-22.445 χ^2 /NDF: 73.1/50

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 354.110+/-0.647 χ^2/NDF : 0.0/0

Left Out: 131.875+/-0.022 χ^2/NDF : 1806379.2/24

Right Out: 220.910+/-0.161 χ^2/NDF : 502220.0/1

Left In: 131.630+/-0.023 χ^2/NDF : 1403692.5/22

Left: 131.754+/-0.016 χ^2/NDF : 3210130.7/47

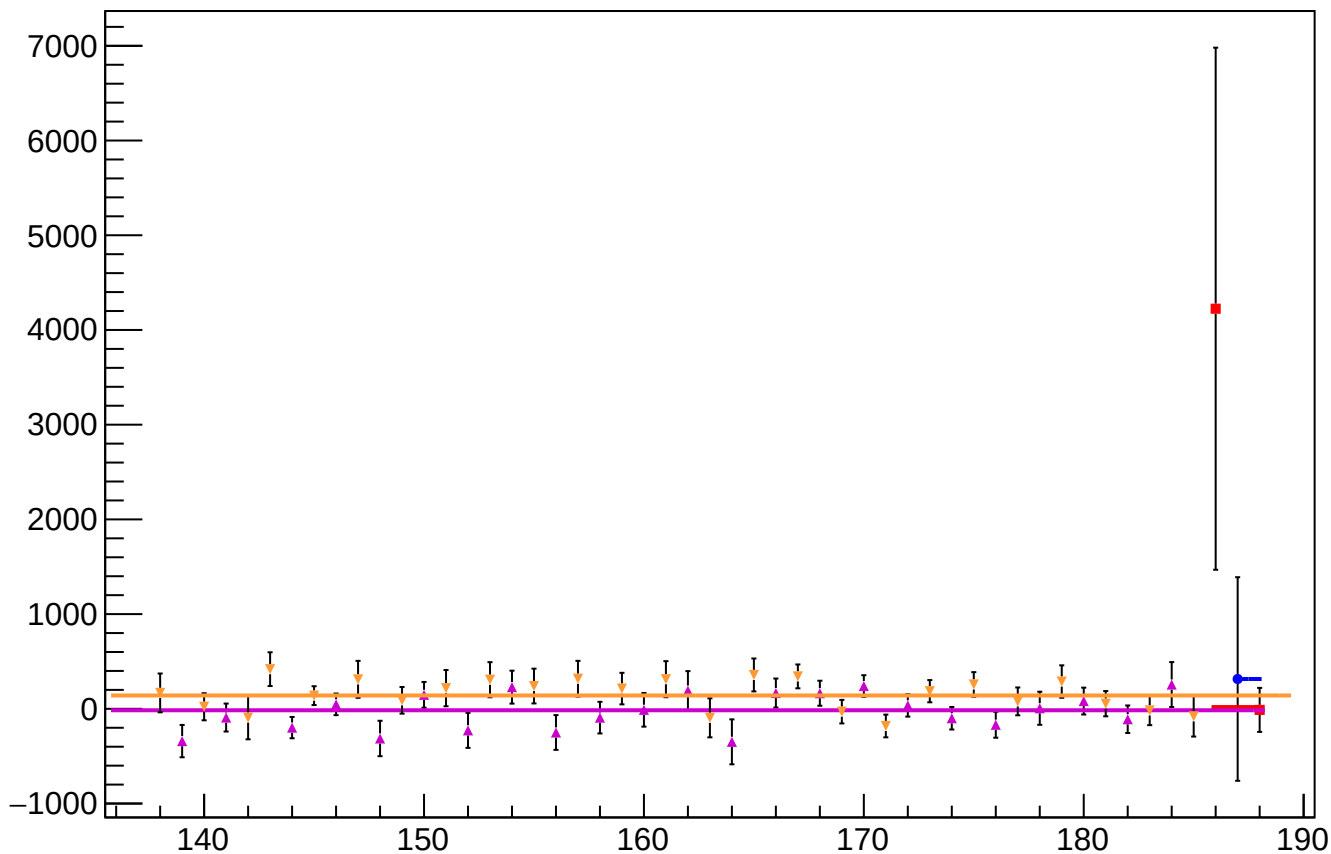
Right: 228.695+/-0.157 χ^2/NDF : 542075.8/2

In: 131.903+/-0.023 χ^2/NDF : 1521640.0/23

Out: 133.563+/-0.022 χ^2/NDF : 2607532.8/26

All: 132.750+/-0.016 χ^2/NDF : 4131908.7/50

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 314.856+/-1074.786 χ^2/NDF : 0.0/0

Left Out: 141.008+/-30.636 χ^2/NDF : 27.1/24

Right Out: 18.590+/-231.589 χ^2/NDF : 2.3/1

Left In: -15.199+/-31.033 χ^2/NDF : 31.4/22

Left: 63.911+/-21.802 χ^2/NDF : 71.3/47

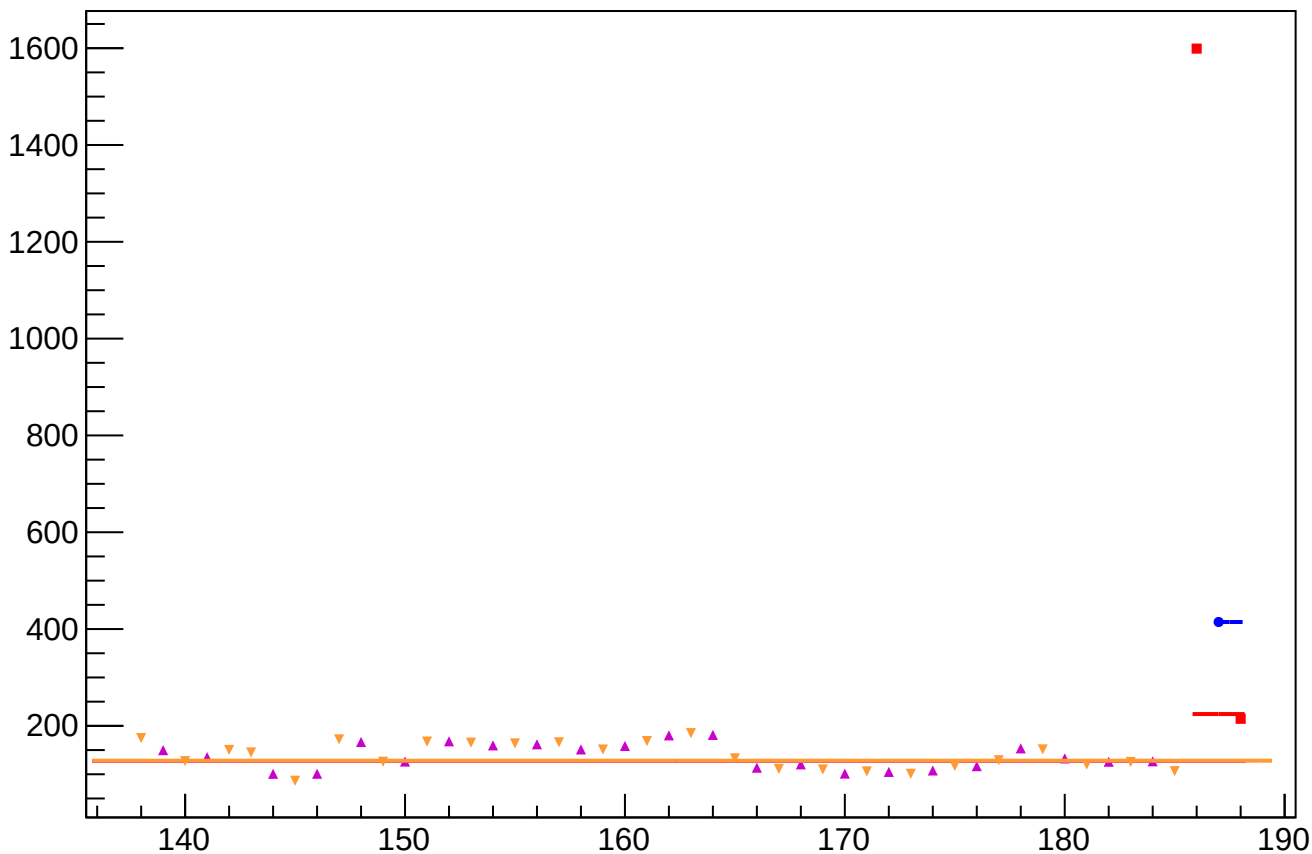
Right: 31.735+/-226.393 χ^2/NDF : 2.4/2

In: -14.924+/-31.020 χ^2/NDF : 31.5/23

Out: 138.903+/-30.371 χ^2/NDF : 29.8/26

All: 63.615+/-21.701 χ^2/NDF : 73.8/50

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 414.557 $\pm$ 0.760 χ^2 /NDF: 0.0/0

Left Out: 128.060 $\pm$ 0.022 χ^2 /NDF:1530283.7/24

Right Out: 224.418 $\pm$ 0.164 χ^2 /NDF: 501114.0/1

Left In: 127.380 $\pm$ 0.022 χ^2 /NDF:1229899.0/22

Left: 127.724 $\pm$ 0.015 χ^2 /NDF: 2760669.0/47

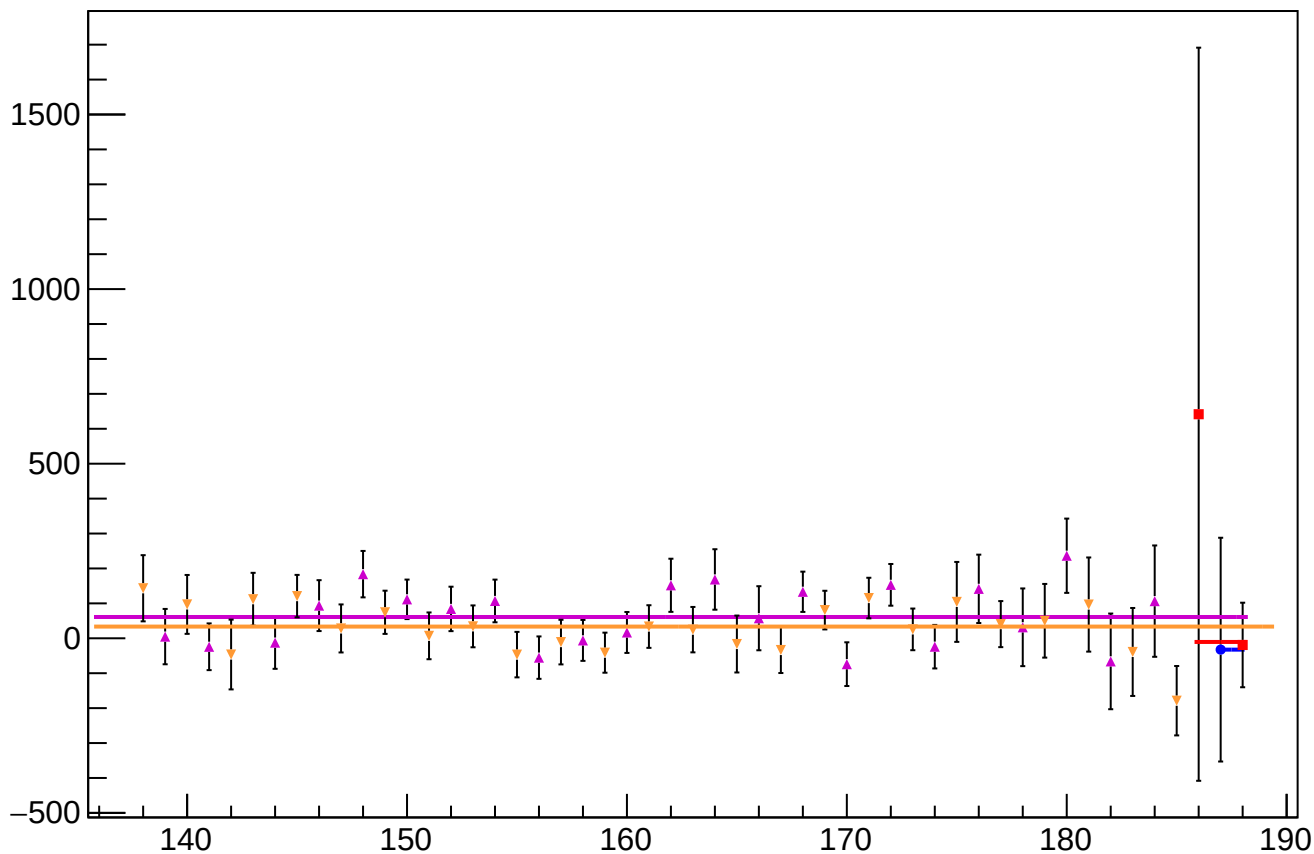
Right: 232.854 $\pm$ 0.160 χ^2 /NDF: 560930.3/2

In: 127.619 $\pm$ 0.022 χ^2 /NDF:1372566.6/23

Out: 129.717 $\pm$ 0.021 χ^2 /NDF:2371680.4/26

All: 128.690 $\pm$ 0.015 χ^2 /NDF: 3748917.7/50

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: -32.489 ± 320.407 χ^2/NDF : 0.0/0

Left Out: 33.535 ± 14.197 χ^2/NDF : 19.7/24

Right Out: -10.479 ± 120.271 χ^2/NDF : 0.4/1

Left In: 60.992 ± 14.839 χ^2/NDF : 31.6/22

Left: 46.656 ± 10.258 χ^2/NDF : 53.0/47

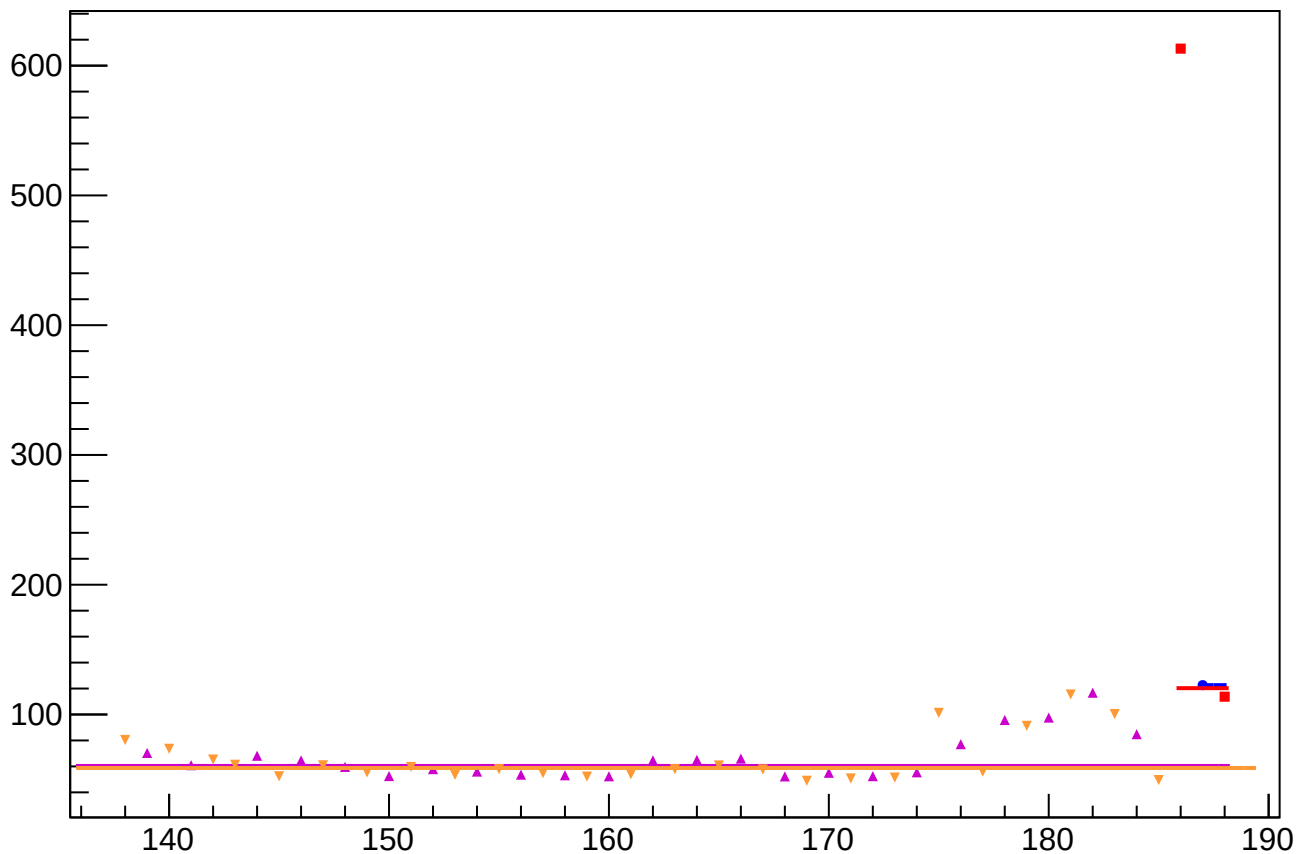
Right: -13.198 ± 112.599 χ^2/NDF : 0.4/2

In: 60.792 ± 14.823 χ^2/NDF : 31.7/23

Out: 32.930 ± 14.099 χ^2/NDF : 20.2/26

All: 46.163 ± 10.216 χ^2/NDF : 53.7/50

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 122.616 $\pm$ 0.227 χ^2 /NDF: 0.0/0

Left Out: 58.793 $\pm$ 0.010 χ^2 /NDF:1460561.7/24

Right Out: 120.288 $\pm$ 0.085 χ^2 /NDF: 446662.5/1

Left In: 60.355 $\pm$ 0.010 χ^2 /NDF:1217671.4/22

Left: 59.539 $\pm$ 0.007 χ^2 /NDF: 2689802.0/47

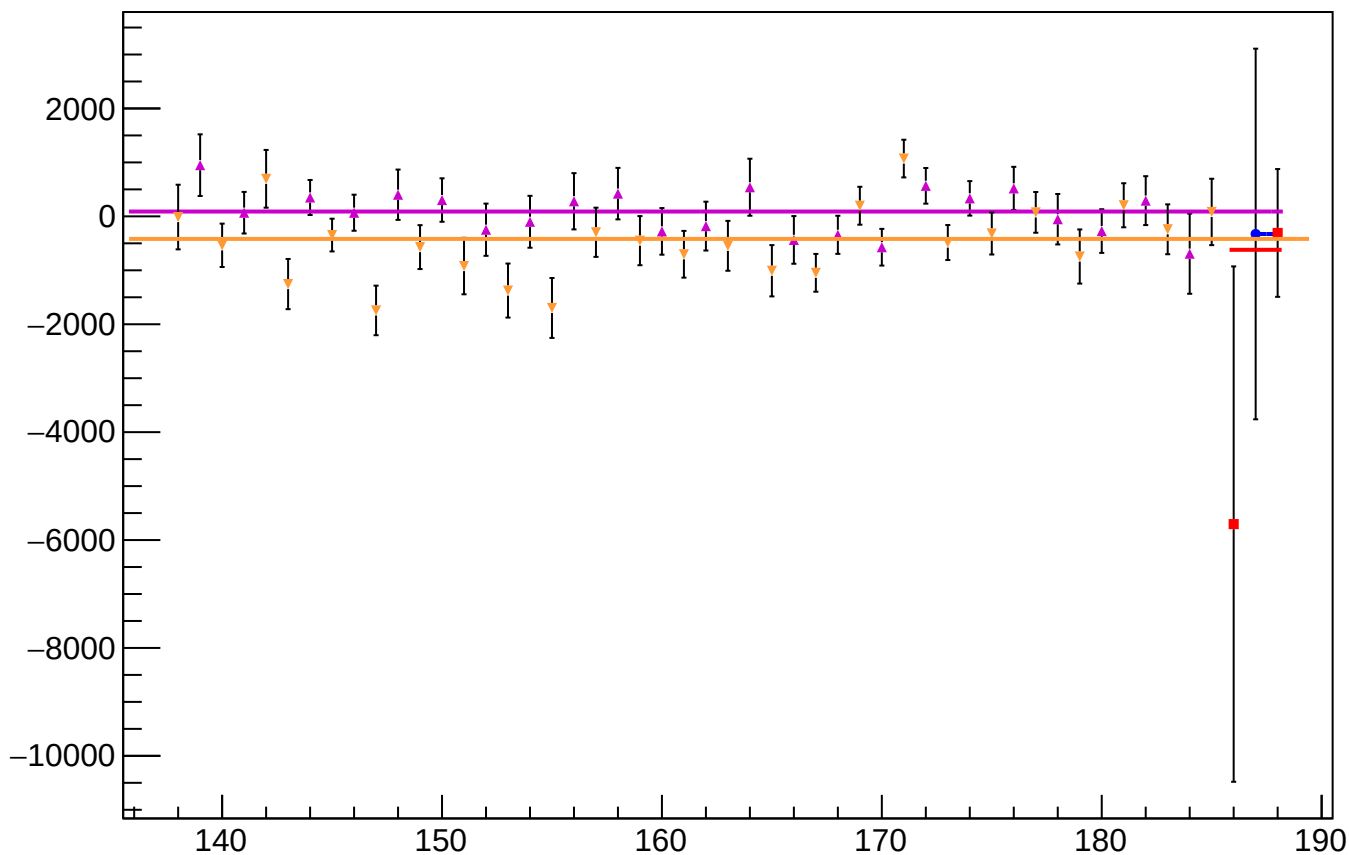
Right: 120.575 $\pm$ 0.080 χ^2 /NDF: 446755.0/2

In: 60.488 $\pm$ 0.010 χ^2 /NDF:1293028.9/23

Out: 59.638 $\pm$ 0.010 χ^2 /NDF:2422897.3/26

All: 60.042 $\pm$ 0.007 χ^2 /NDF: 3719380.0/50

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -326.908 ± 3435.164 χ^2/NDF : 0.0/0

Left Out: -417.817 ± 84.969 χ^2/NDF : 58.5/24

Right Out: -620.175 ± 1149.636 χ^2/NDF : 1.2/1

Left In: 89.505 ± 86.438 χ^2/NDF : 19.4/22

Left: -168.504 ± 60.595 χ^2/NDF : 95.4/47

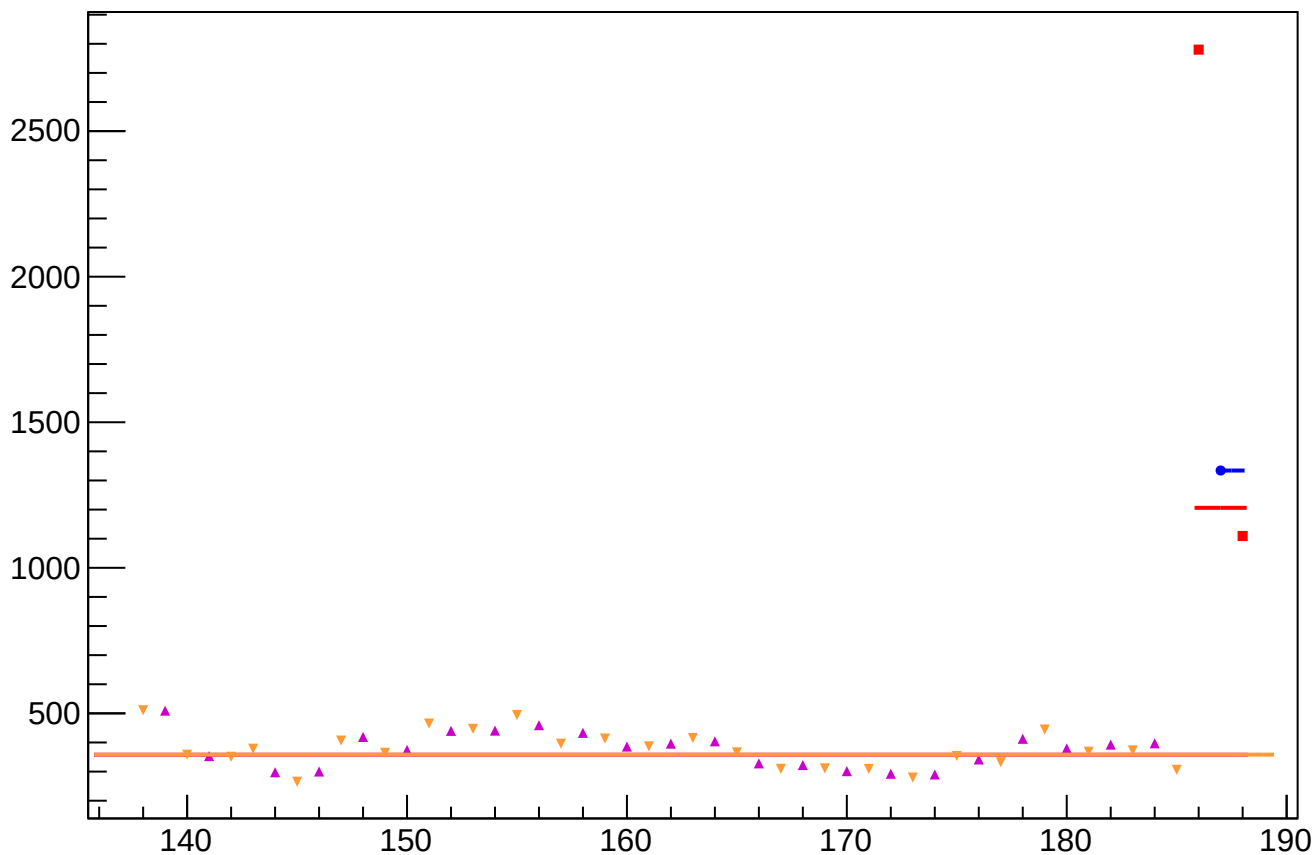
Right: -590.637 ± 1090.204 χ^2/NDF : 1.2/2

In: 89.242 ± 86.411 χ^2/NDF : 19.4/23

Out: -418.917 ± 84.738 χ^2/NDF : 59.7/26

All: -169.804 ± 60.502 χ^2/NDF : 96.8/50

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 1334.167+/-2.429 χ^2/NDF : 0.0/0

Left Out: 358.349+/-0.060 χ^2/NDF :1011872.8/24

Right Out: 1206.072+/-0.813 χ^2/NDF : 230461.8/1

Left In: 357.802+/-0.061 χ^2/NDF :893330.5/22

Left: 358.080+/-0.043 χ^2/NDF : 1905244.1/47

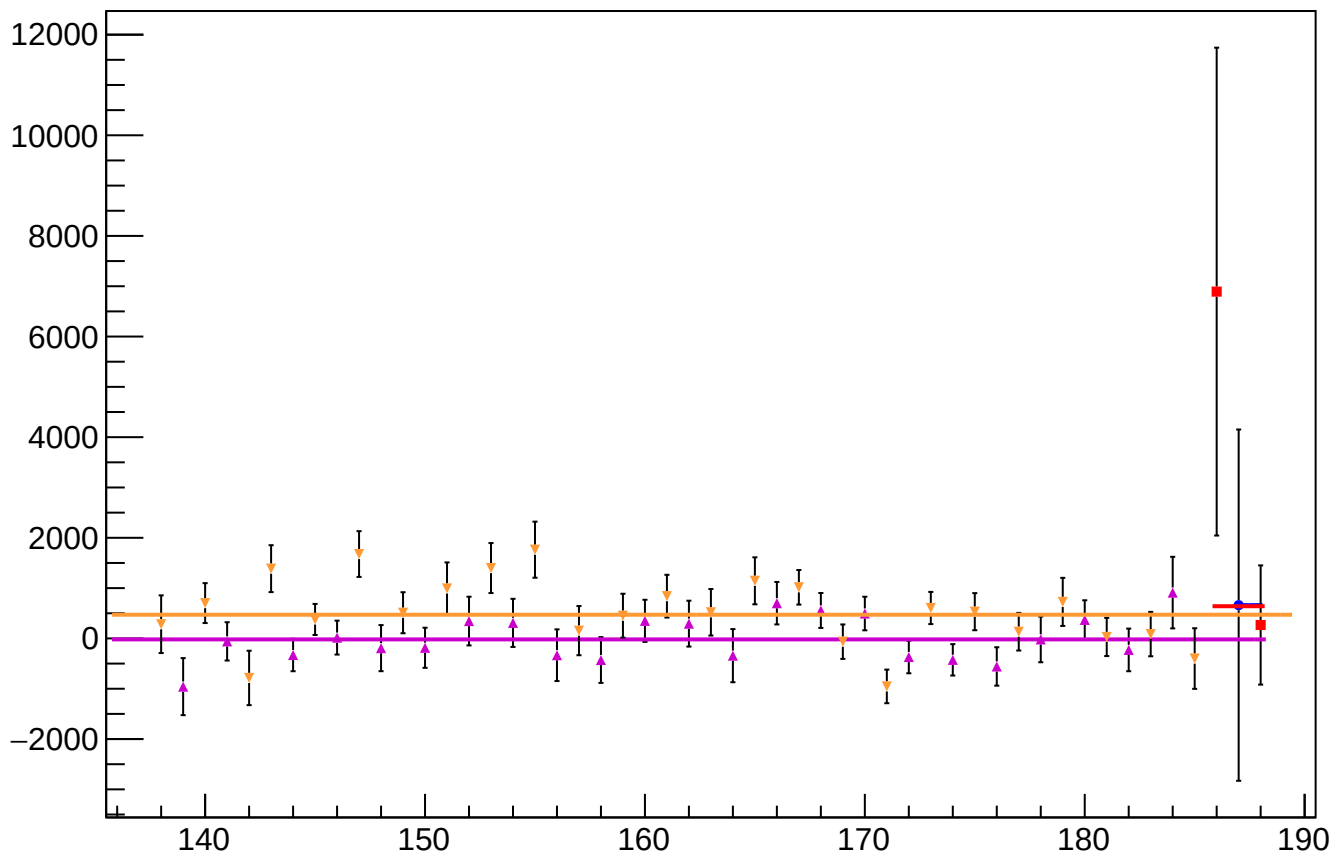
Right: 1218.973+/-0.771 χ^2/NDF : 232962.7/2

In: 358.419+/-0.061 χ^2/NDF :1054797.9/23

Out: 362.955+/-0.060 χ^2/NDF :2323894.3/26

All: 360.731+/-0.043 χ^2/NDF : 3381500.7/50

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 661.464 $\pm$ 3491.212 χ^2 /NDF: 0.0/0

Left Out: 470.804 $\pm$ 83.480 χ^2 /NDF:58.7/24

Right Out: 640.169 $\pm$ 1150.738 χ^2 /NDF: 1.8/1

Left In: -19.328 $\pm$ 84.679 χ^2 /NDF:23.7/22

Left: 229.235 $\pm$ 59.449 χ^2 /NDF: 99.4/47

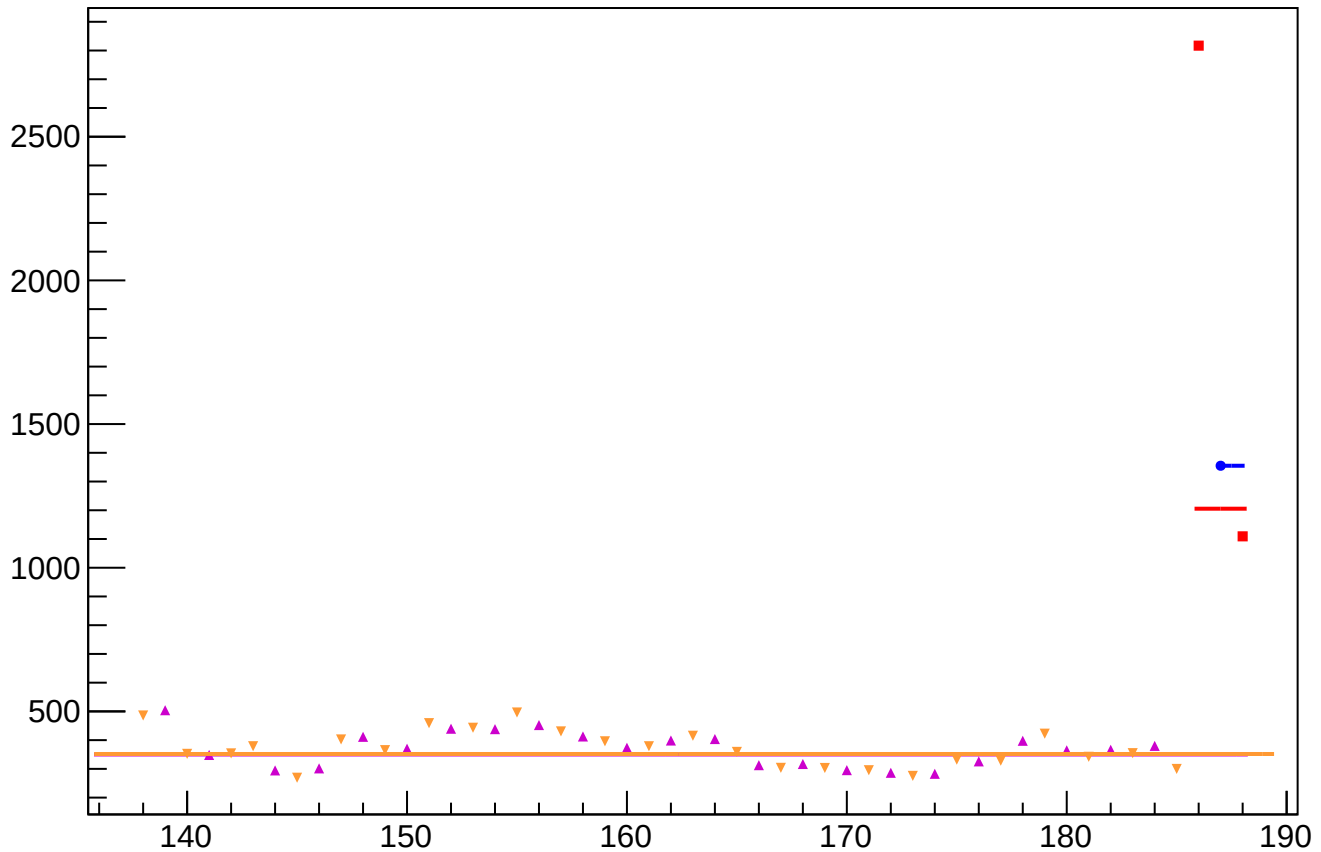
Right: 642.256 $\pm$ 1092.900 χ^2 /NDF: 1.8/2

In: -18.927 $\pm$ 84.654 χ^2 /NDF:23.7/23

Out: 471.691 $\pm$ 83.261 χ^2 /NDF:60.5/26

All: 230.453 $\pm$ 59.361 χ^2 /NDF: 101.3/50

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 1354.921 $\pm$ 2.469 χ^2 /NDF: 0.0/0

Left Out: 351.777 $\pm$ 0.059 χ^2 /NDF:1016791.1/24

Right Out: 1205.454 $\pm$ 0.814 χ^2 /NDF: 234151.0/1

Left In: 350.037 $\pm$ 0.060 χ^2 /NDF:889435.7/22

Left: 350.919 $\pm$ 0.042 χ^2 /NDF: 1906655.0/47

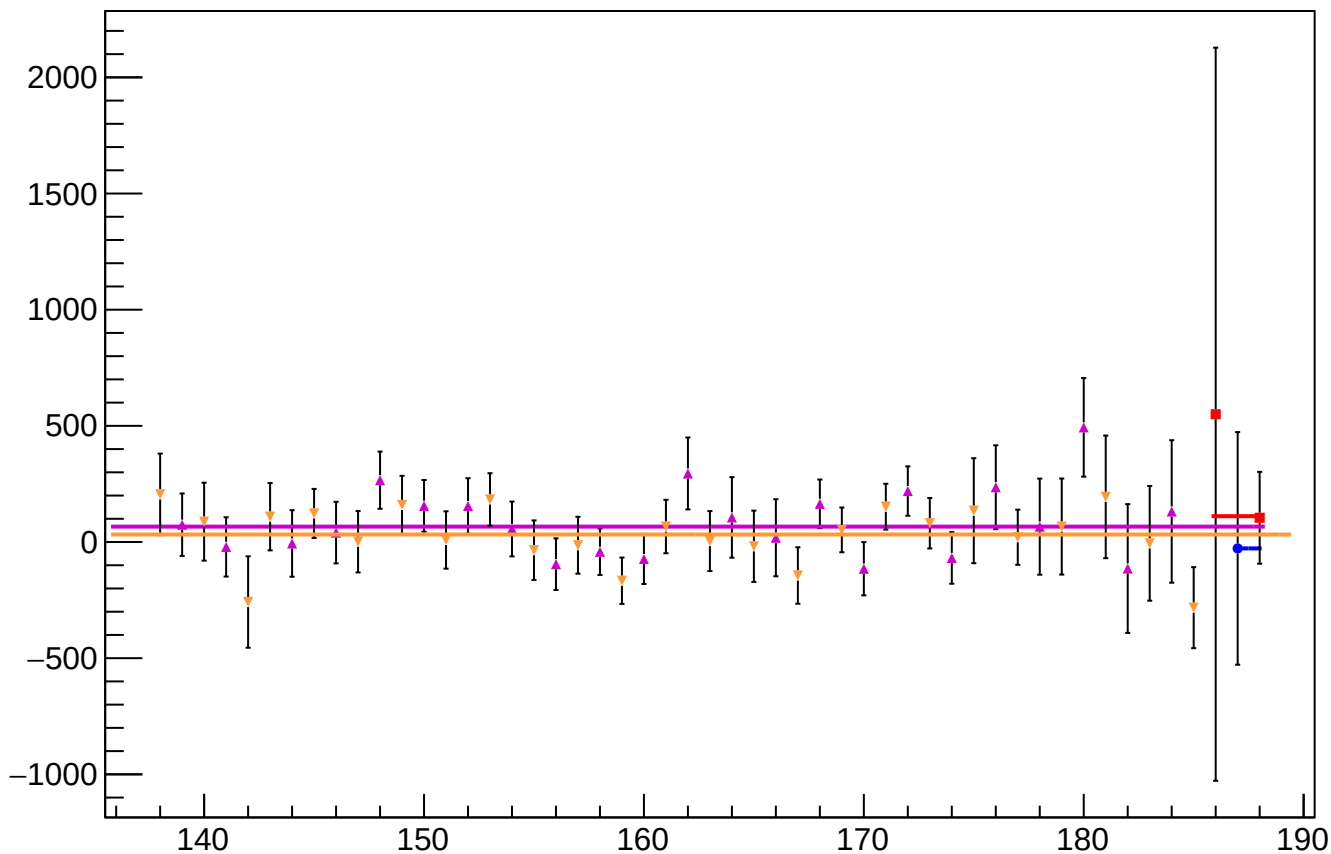
Right: 1220.101 $\pm$ 0.773 χ^2 /NDF: 237457.5/2

In: 350.628 $\pm$ 0.060 χ^2 /NDF:1055033.2/23

Out: 356.246 $\pm$ 0.059 χ^2 /NDF:2345868.2/26

All: 353.484 $\pm$ 0.042 χ^2 /NDF: 3405379.1/50

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -27.511 ± 500.634 χ^2/NDF : 0.0/0

Left Out: 32.332 ± 26.320 χ^2/NDF : 19.6/24

Right Out: 111.238 ± 196.054 χ^2/NDF : 0.1/1

Left In: 66.254 ± 27.450 χ^2/NDF : 24.2/22

Left: 48.580 ± 18.998 χ^2/NDF : 44.6/47

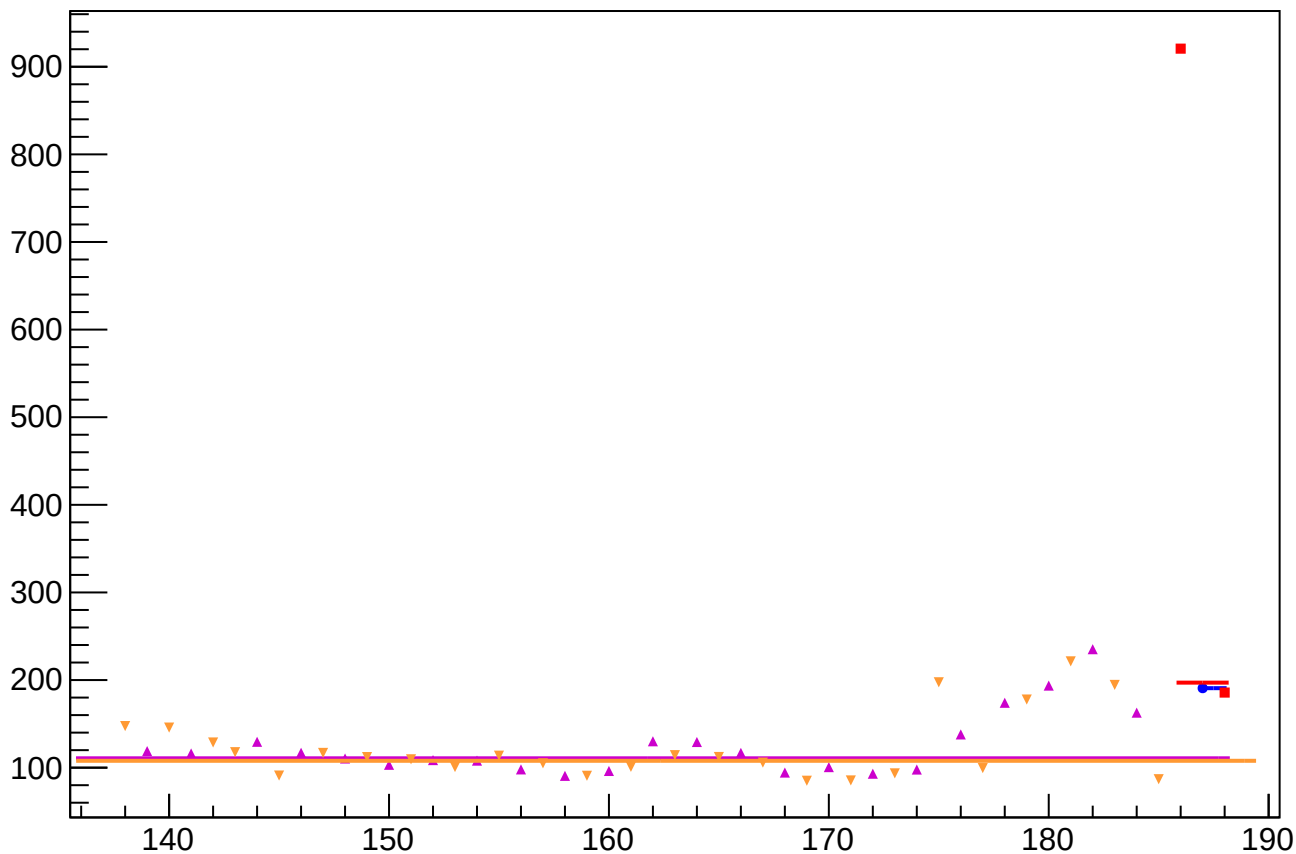
Right: 92.789 ± 182.555 χ^2/NDF : 0.1/2

In: 65.973 ± 27.409 χ^2/NDF : 24.3/23

Out: 33.729 ± 26.086 χ^2/NDF : 19.8/26

All: 49.054 ± 18.896 χ^2/NDF : 44.8/50

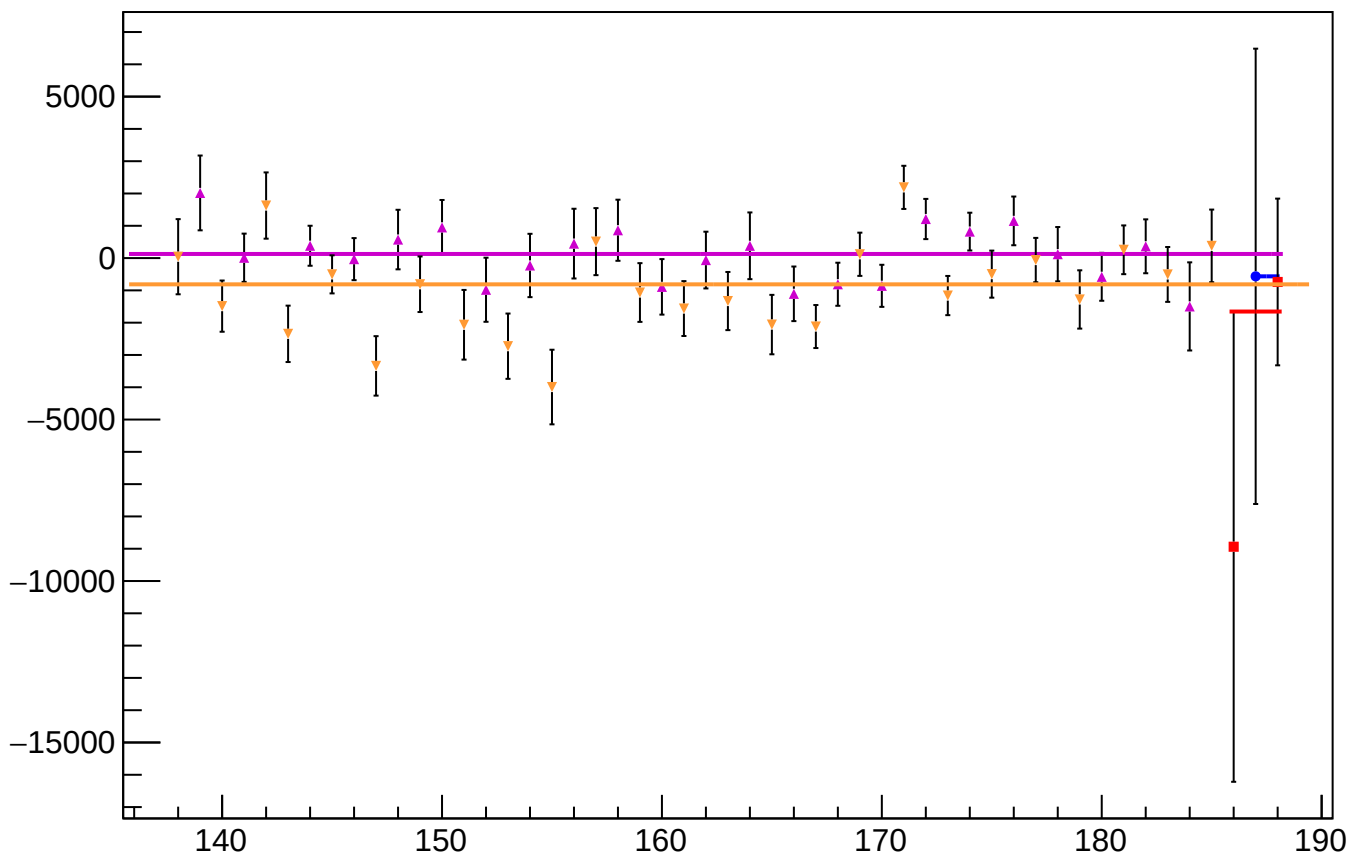
dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 190.736 $\pm$ 0.354 χ^2 /NDF: 0.0/0
 Left Out: 107.852 $\pm$ 0.019 χ^2 /NDF:1833747.9/24
 Right Out: 197.063 $\pm$ 0.139 χ^2 /NDF: 427251.7/1
 Left In: 110.691 $\pm$ 0.019 χ^2 /NDF:1406587.3/22

Left: 109.212 $\pm$ 0.013 χ^2 /NDF: 3251479.0/47
 Right: 196.222 $\pm$ 0.129 χ^2 /NDF: 427528.6/2
 In: 110.931 $\pm$ 0.019 χ^2 /NDF:1457562.5/23
 Out: 109.431 $\pm$ 0.018 χ^2 /NDF:2667779.4/26
 All: 110.144 $\pm$ 0.013 χ^2 /NDF: 4128482.0/50

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -565.094 $\pm$ 7049.637 χ^2 /NDF: 0.0/0

Left Out: -813.029 $\pm$ 164.102 χ^2 /NDF:66.2/24

Right Out: -1655.426 $\pm$ 2432.738 χ^2 /NDF: 1.1/1

Left In: 127.427 $\pm$ 166.308 χ^2 /NDF:22.8/22

Left: -349.081 $\pm$ 116.810 χ^2 /NDF: 105.2/47

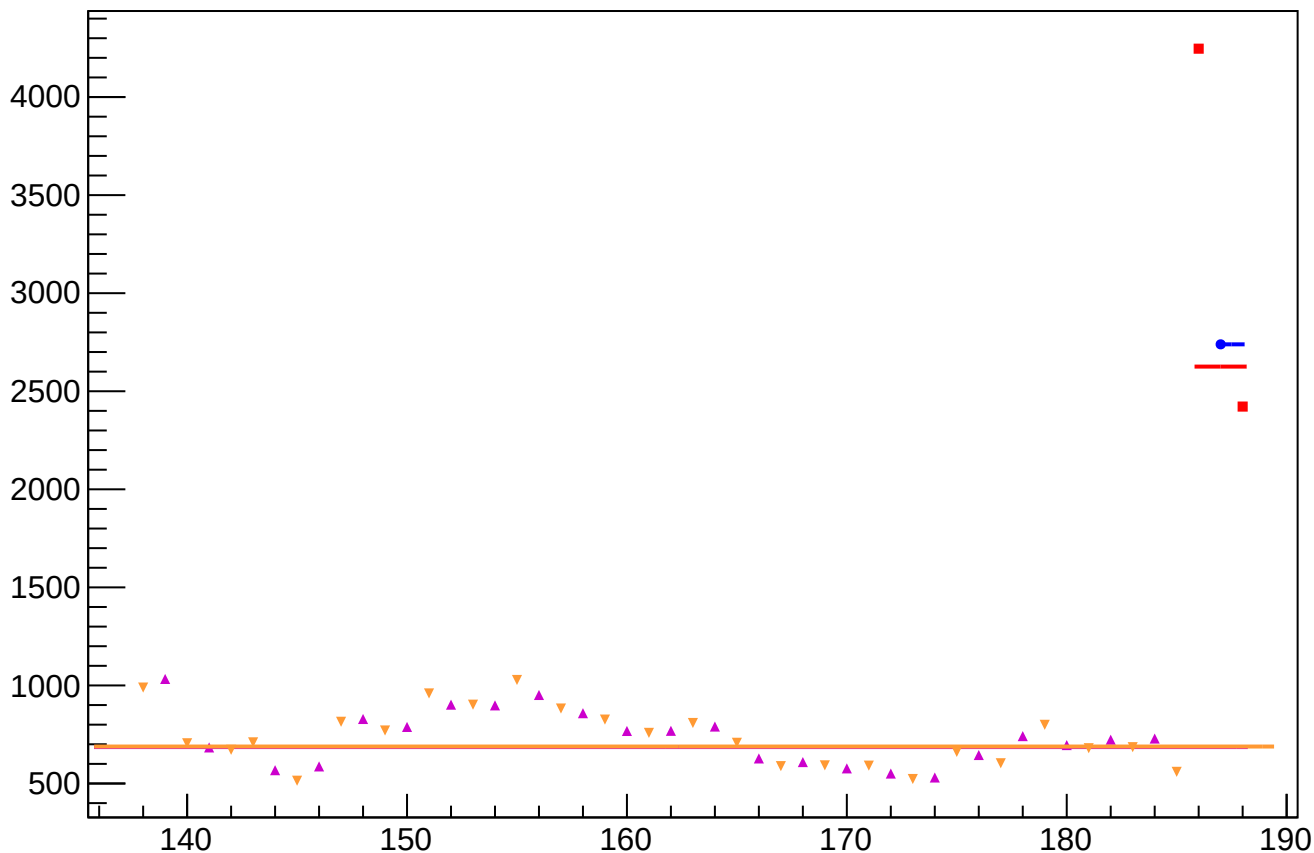
Right: -1539.401 $\pm$ 2299.661 χ^2 /NDF: 1.1/2

In: 127.042 $\pm$ 166.262 χ^2 /NDF:22.8/23

Out: -816.845 $\pm$ 163.730 χ^2 /NDF:67.4/26

All: -352.144 $\pm$ 116.660 χ^2 /NDF: 106.6/50

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 2739.191+/-4.985 χ^2/NDF : 0.0/0

Left Out: 688.513+/-0.116 χ^2/NDF : 1287701.8/24

Right Out: 2625.710+/-1.720 χ^2/NDF : 111655.2/1

Left In: 685.733+/-0.118 χ^2/NDF : 1156263.7/22

Left: 687.142+/-0.083 χ^2/NDF : 2444248.5/47

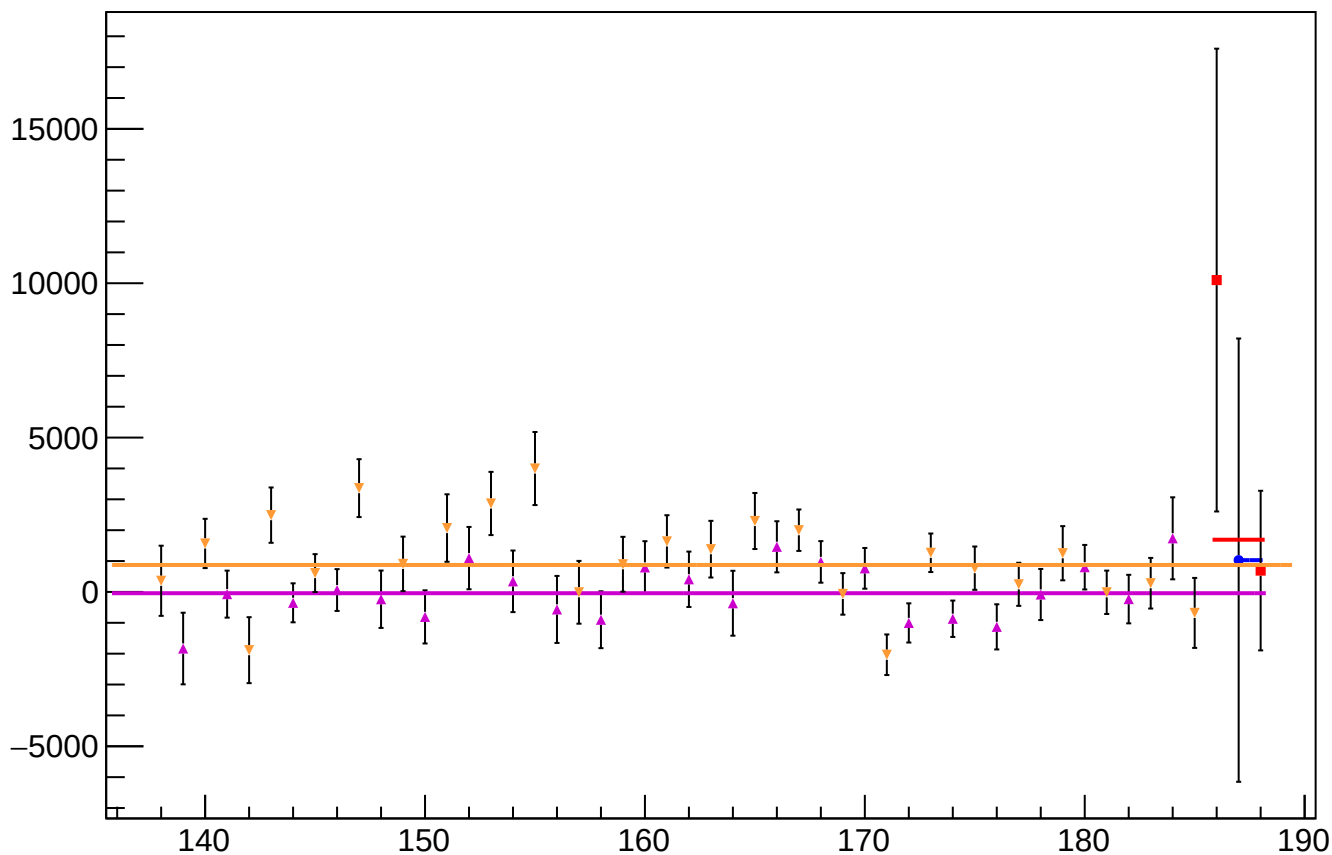
Right: 2637.786+/-1.626 χ^2/NDF : 112118.3/2

In: 686.876+/-0.118 χ^2/NDF : 1325863.9/23

Out: 697.288+/-0.116 χ^2/NDF : 2661811.1/26

All: 692.161+/-0.082 χ^2/NDF : 3991656.9/50

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 1029.252 $\pm$ 7179.977 χ^2 /NDF: 0.0/0

Left Out: 873.446 $\pm$ 164.269 χ^2 /NDF:64.1/24

Right Out: 1691.548 $\pm$ 2443.796 χ^2 /NDF: 1.4/1

Left In: -41.522 $\pm$ 166.728 χ^2 /NDF:24.1/22

Left: 422.759 $\pm$ 117.015 χ^2 /NDF: 103.5/47

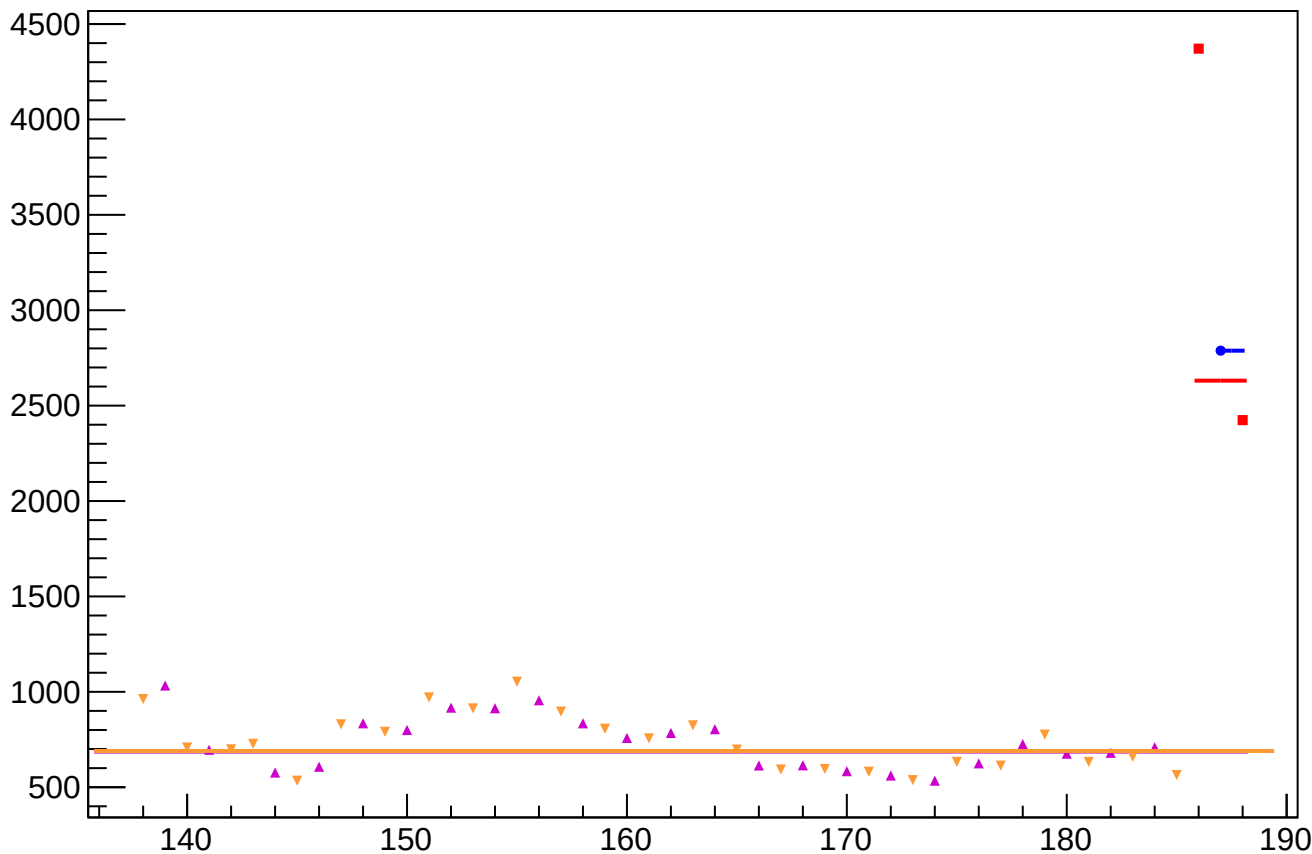
Right: 1622.789 $\pm$ 2313.464 χ^2 /NDF: 1.4/2

In: -40.945 $\pm$ 166.683 χ^2 /NDF:24.1/23

Out: 877.126 $\pm$ 163.899 χ^2 /NDF:65.7/26

All: 425.821 $\pm$ 116.866 χ^2 /NDF: 105.2/50

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 2788.062+/-5.077 χ^2/NDF : 0.0/0

Left Out: 689.767+/-0.116 χ^2/NDF : 1258608.7/24

Right Out: 2630.982+/-1.728 χ^2/NDF : 120561.4/1

Left In: 686.944+/-0.118 χ^2/NDF : 1116042.4/22

Left: 688.376+/-0.083 χ^2/NDF : 2374942.1/47

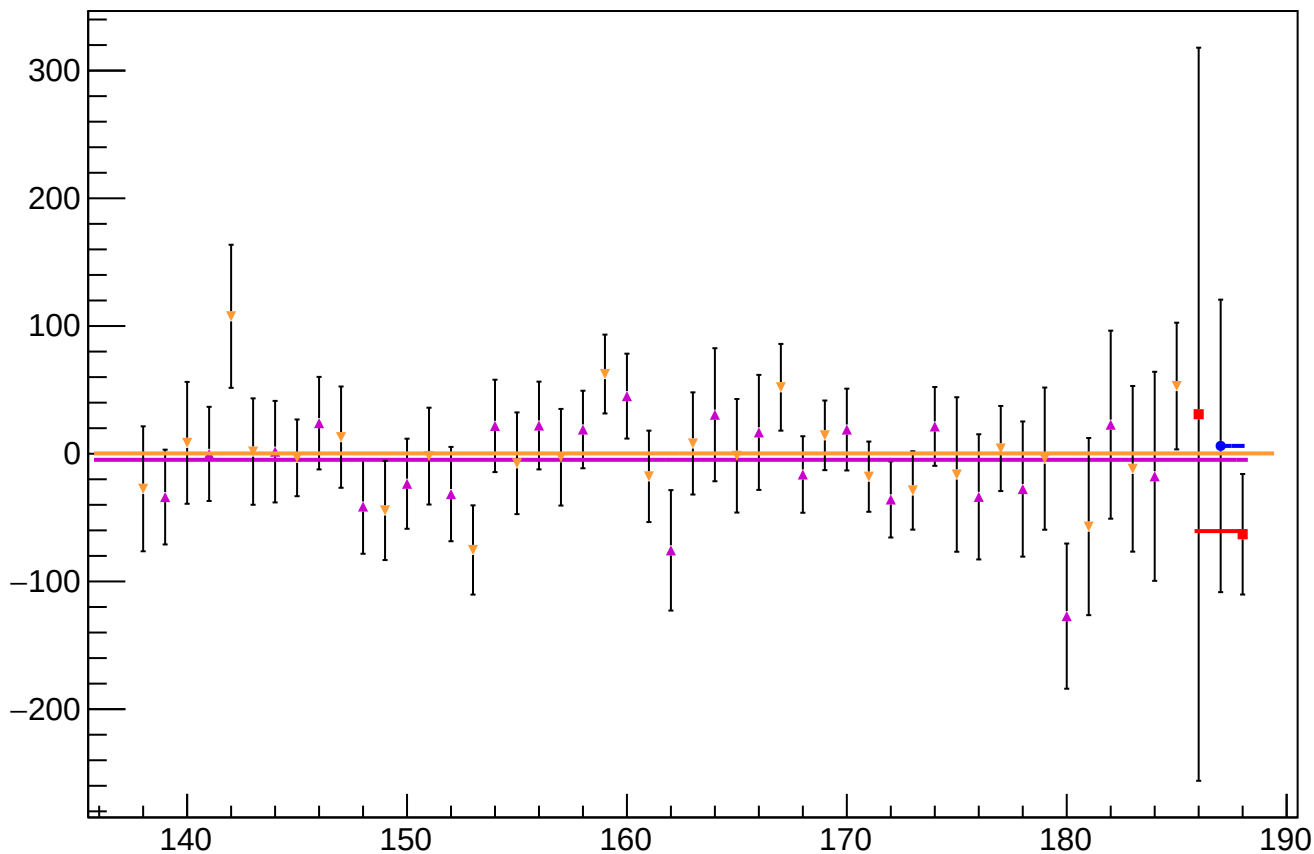
Right: 2647.290+/-1.636 χ^2/NDF : 121419.2/2

In: 688.076+/-0.118 χ^2/NDF : 1287221.5/23

Out: 698.498+/-0.116 χ^2/NDF : 2635459.5/26

All: 693.375+/-0.083 χ^2/NDF : 3926656.4/50

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: 6.142 $\pm$ 114.514 χ^2 /NDF: 0.0/0

Left Out: 0.254 $\pm$ 7.690 χ^2 /NDF:20.4/24

Right Out: -60.558 $\pm$ 46.568 χ^2 /NDF: 0.1/1

Left In: -4.745 $\pm$ 7.976 χ^2 /NDF:17.9/22

Left: -2.154 $\pm$ 5.536 χ^2 /NDF: 38.5/47

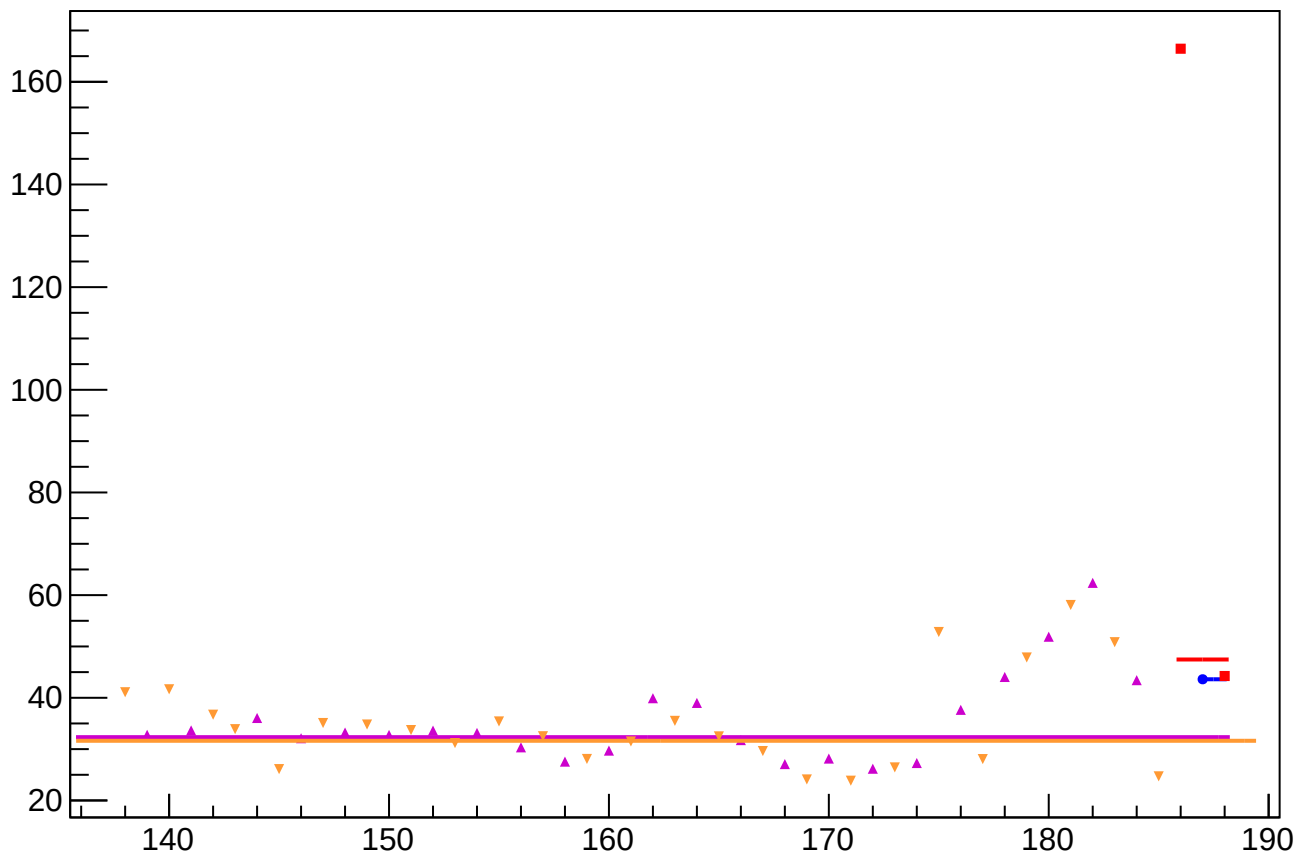
Right: -51.093 $\pm$ 43.138 χ^2 /NDF: 0.4/2

In: -4.693 $\pm$ 7.957 χ^2 /NDF:17.9/23

Out: -1.360 $\pm$ 7.587 χ^2 /NDF:22.2/26

All: -2.947 $\pm$ 5.491 χ^2 /NDF: 40.1/50

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 43.608 $\pm$ 0.081 χ^2 /NDF: 0.0/0

Left Out: 31.624 $\pm$ 0.005 χ^2 /NDF:1673431.1/24

Right Out: 47.461 $\pm$ 0.033 χ^2 /NDF: 353033.3/1

Left In: 32.331 $\pm$ 0.006 χ^2 /NDF:1141501.0/22

Left: 31.965 $\pm$ 0.004 χ^2 /NDF: 2823070.9/47

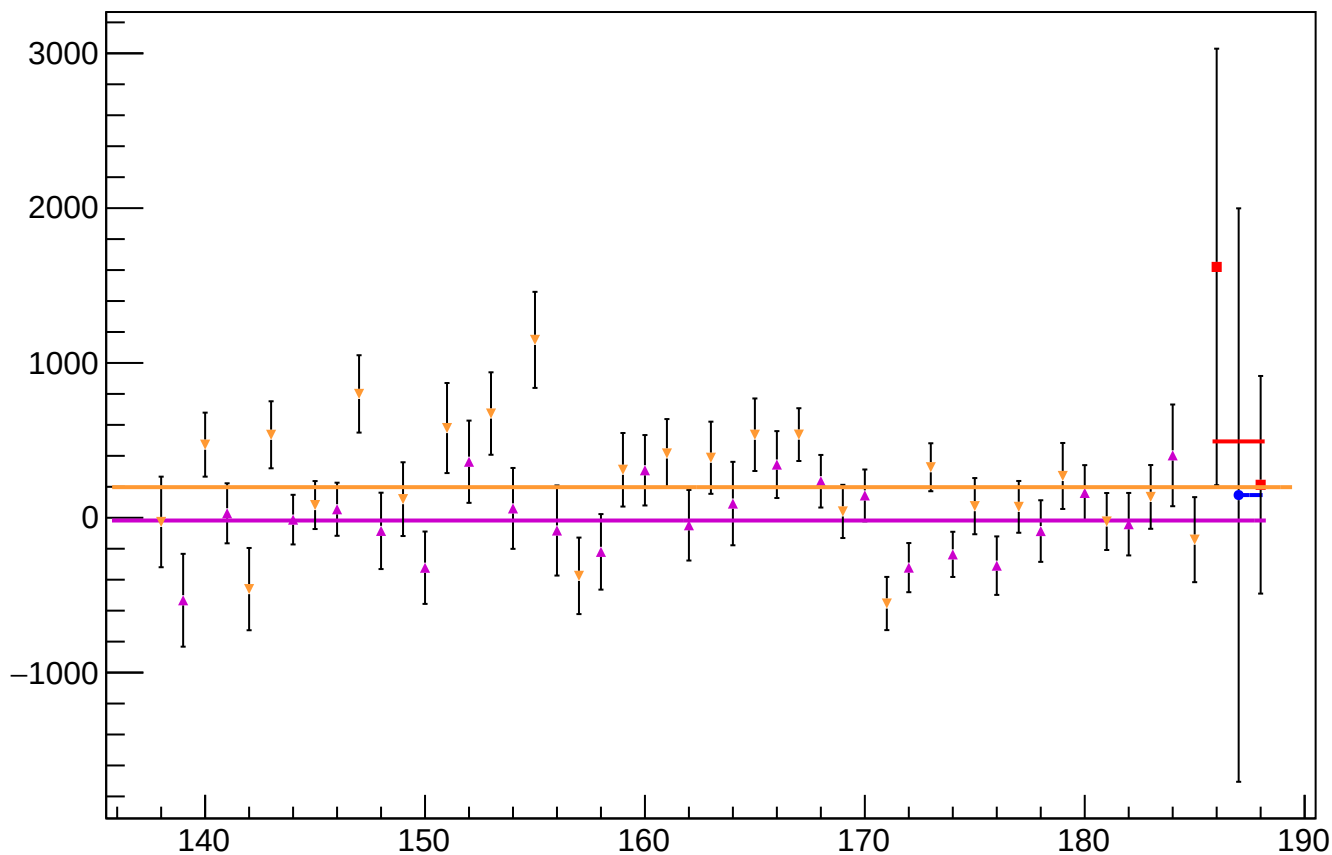
Right: 46.914 $\pm$ 0.031 χ^2 /NDF: 354975.7/2

In: 32.386 $\pm$ 0.006 χ^2 /NDF:1160802.7/23

Out: 32.045 $\pm$ 0.005 χ^2 /NDF:2251611.1/26

All: 32.207 $\pm$ 0.004 χ^2 /NDF: 3414335.8/50

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 146.623 $\pm$ 1852.132 χ^2 /NDF: 0.0/0

Left Out: 197.682 $\pm$ 41.831 χ^2 /NDF:69.9/24

Right Out: 493.140 $\pm$ 629.034 χ^2 /NDF: 0.8/1

Left In: -17.742 $\pm$ 42.576 χ^2 /NDF:27.1/22

Left: 91.870 $\pm$ 29.839 χ^2 /NDF: 110.0/47

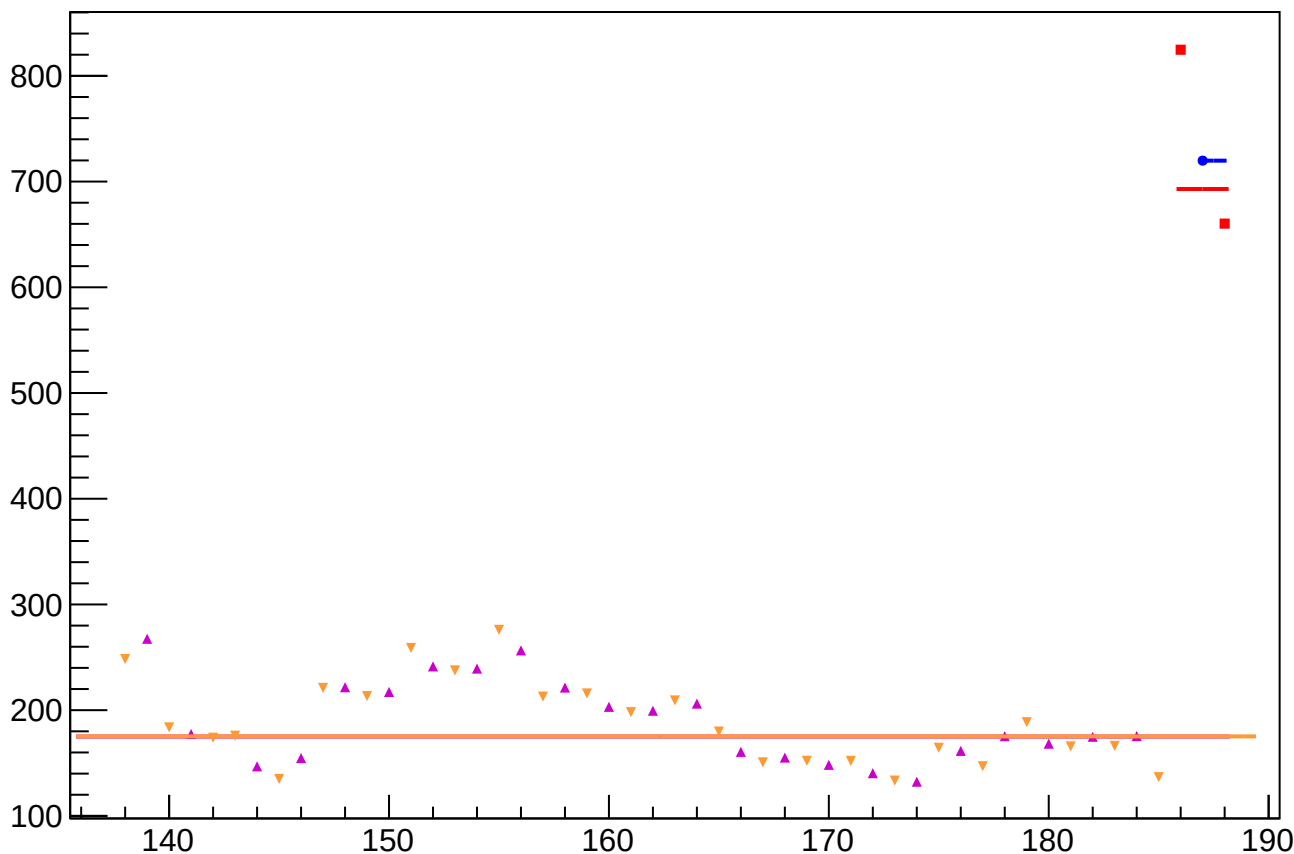
Right: 457.304 $\pm$ 595.620 χ^2 /NDF: 0.8/2

In: -17.655 $\pm$ 42.565 χ^2 /NDF:27.1/23

Out: 198.983 $\pm$ 41.739 χ^2 /NDF:70.9/26

All: 92.785 $\pm$ 29.802 χ^2 /NDF: 111.2/50

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 719.784+/-1.310 χ^2/NDF : 0.0/0

Left Out: 175.207+/-0.030 χ^2/NDF : 1418225.0/24

Right Out: 692.966+/-0.445 χ^2/NDF : 21806.5/1

Left In: 175.051+/-0.030 χ^2/NDF : 1339755.1/22

Left: 175.130+/-0.021 χ^2/NDF : 2757993.8/47

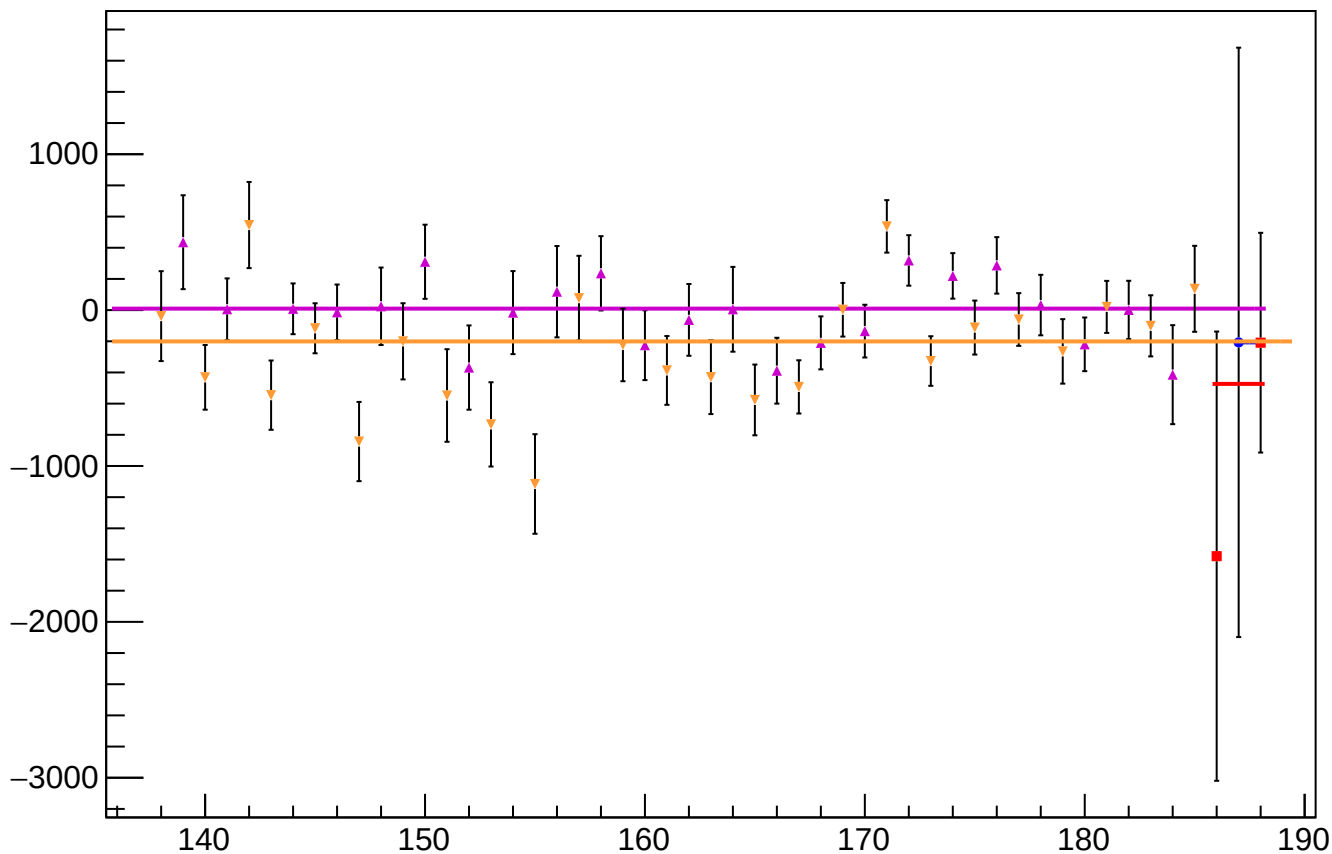
Right: 695.739+/-0.421 χ^2/NDF : 22182.5/2

In: 175.339+/-0.030 χ^2/NDF : 1512666.5/23

Out: 177.487+/-0.030 χ^2/NDF : 2789055.3/26

All: 176.434+/-0.021 χ^2/NDF : 4304319.0/50

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -207.026 ± 1890.566 χ^2/NDF : 0.0/0

Left Out: -200.930 ± 41.741 χ^2/NDF : 65.5/24

Right Out: -473.423 ± 633.148 χ^2/NDF : 0.7/1

Left In: 9.384 ± 42.437 χ^2/NDF : 25.4/22

Left: -97.511 ± 29.758 χ^2/NDF : 103.4/47

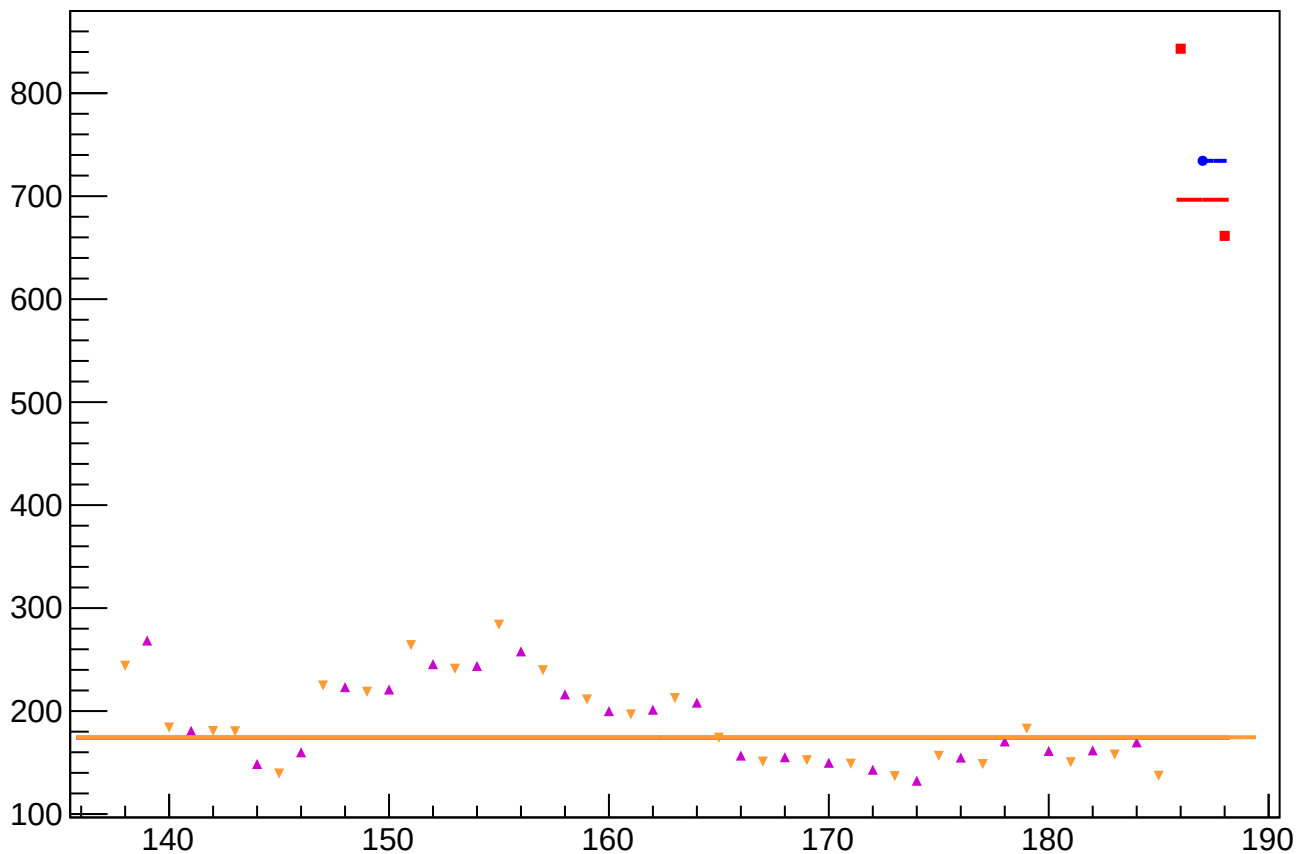
Right: -446.558 ± 600.375 χ^2/NDF : 0.7/2

In: 9.275 ± 42.426 χ^2/NDF : 25.4/23

Out: -202.109 ± 41.651 χ^2/NDF : 66.4/26

All: -98.366 ± 29.722 χ^2/NDF : 104.5/50

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 734.330 $\pm$ 1.337 χ^2 /NDF: 0.0/0

Left Out: 174.567 $\pm$ 0.030 χ^2 /NDF:1532900.3/24

Right Out: 696.549 $\pm$ 0.448 χ^2 /NDF: 25665.9/1

Left In: 174.217 $\pm$ 0.030 χ^2 /NDF:1364600.9/22

Left: 174.395 $\pm$ 0.021 χ^2 /NDF: 2897570.3/47

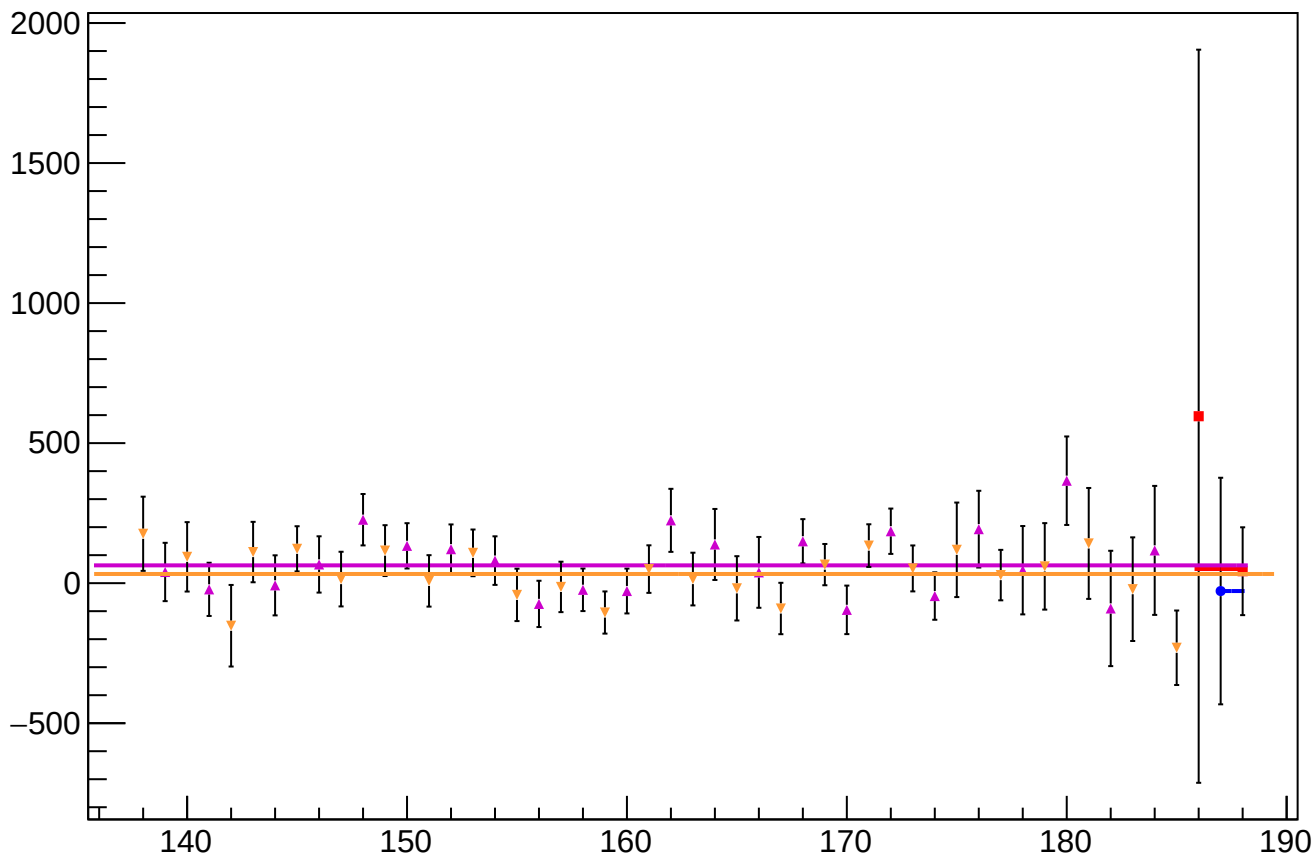
Right: 700.359 $\pm$ 0.425 χ^2 /NDF: 26384.1/2

In: 174.499 $\pm$ 0.030 χ^2 /NDF:1540061.3/23

Out: 176.826 $\pm$ 0.029 χ^2 /NDF:2912028.8/26

All: 175.684 $\pm$ 0.021 χ^2 /NDF: 4455152.9/50

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: -28.121 $\pm$ 404.486 χ^2 /NDF: 0.0/0

Left Out: 32.793 $\pm$ 19.705 χ^2 /NDF:19.5/24

Right Out: 50.489 $\pm$ 155.701 χ^2 /NDF: 0.2/1

Left In: 63.566 $\pm$ 20.573 χ^2 /NDF:27.2/22

Left: 47.517 $\pm$ 14.231 χ^2 /NDF: 47.9/47

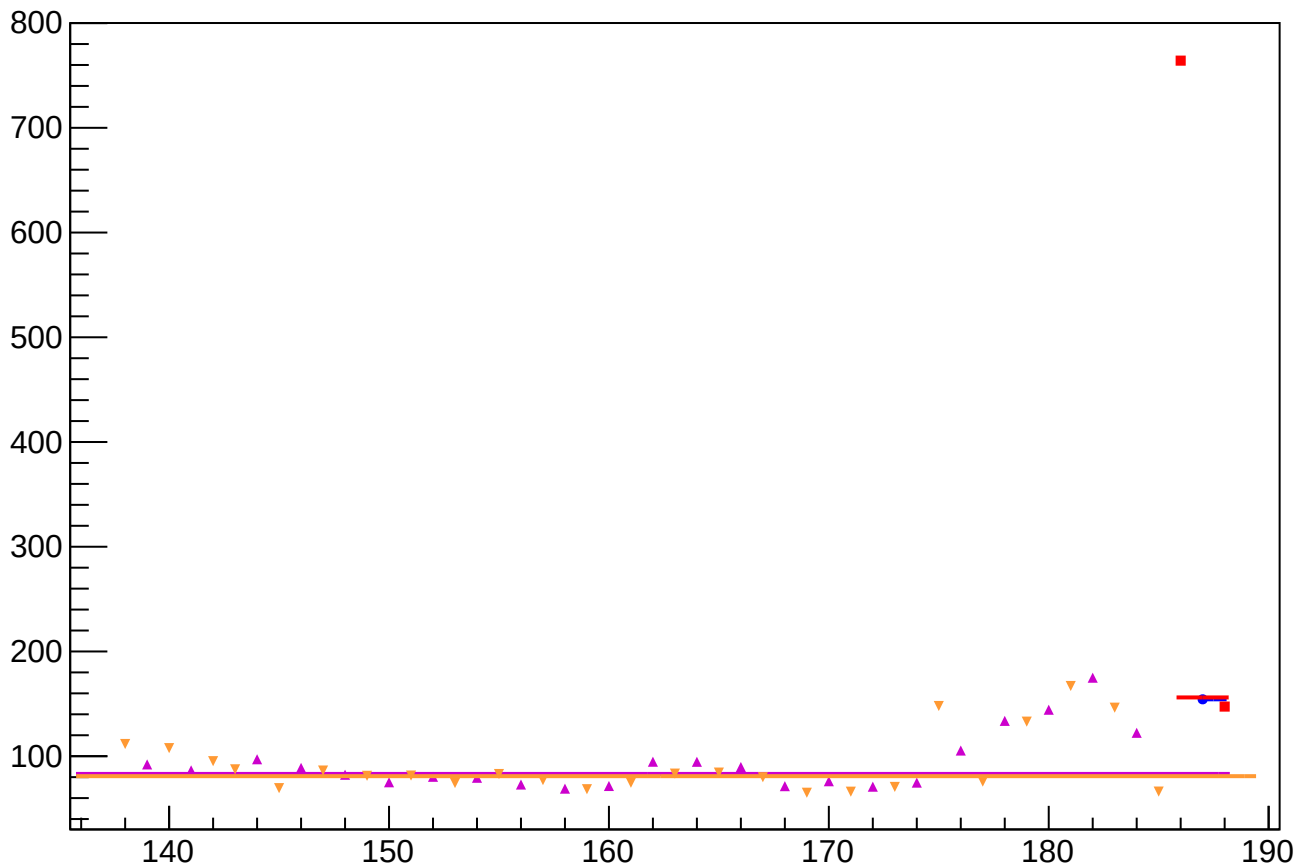
Right: 40.344 $\pm$ 145.307 χ^2 /NDF: 0.2/2

In: 63.329 $\pm$ 20.547 χ^2 /NDF:27.2/23

Out: 33.072 $\pm$ 19.549 χ^2 /NDF:19.7/26

All: 47.449 $\pm$ 14.163 χ^2 /NDF: 48.1/50

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 154.310 $\pm$ 0.286 χ^2 /NDF: 0.0/0

Left Out: 80.926 $\pm$ 0.014 χ^2 /NDF:1760910.0/24

Right Out: 156.109 $\pm$ 0.110 χ^2 /NDF: 437842.8/1

Left In: 83.071 $\pm$ 0.015 χ^2 /NDF:1405124.8/22

Left: 81.952 $\pm$ 0.010 χ^2 /NDF: 3177364.3/47

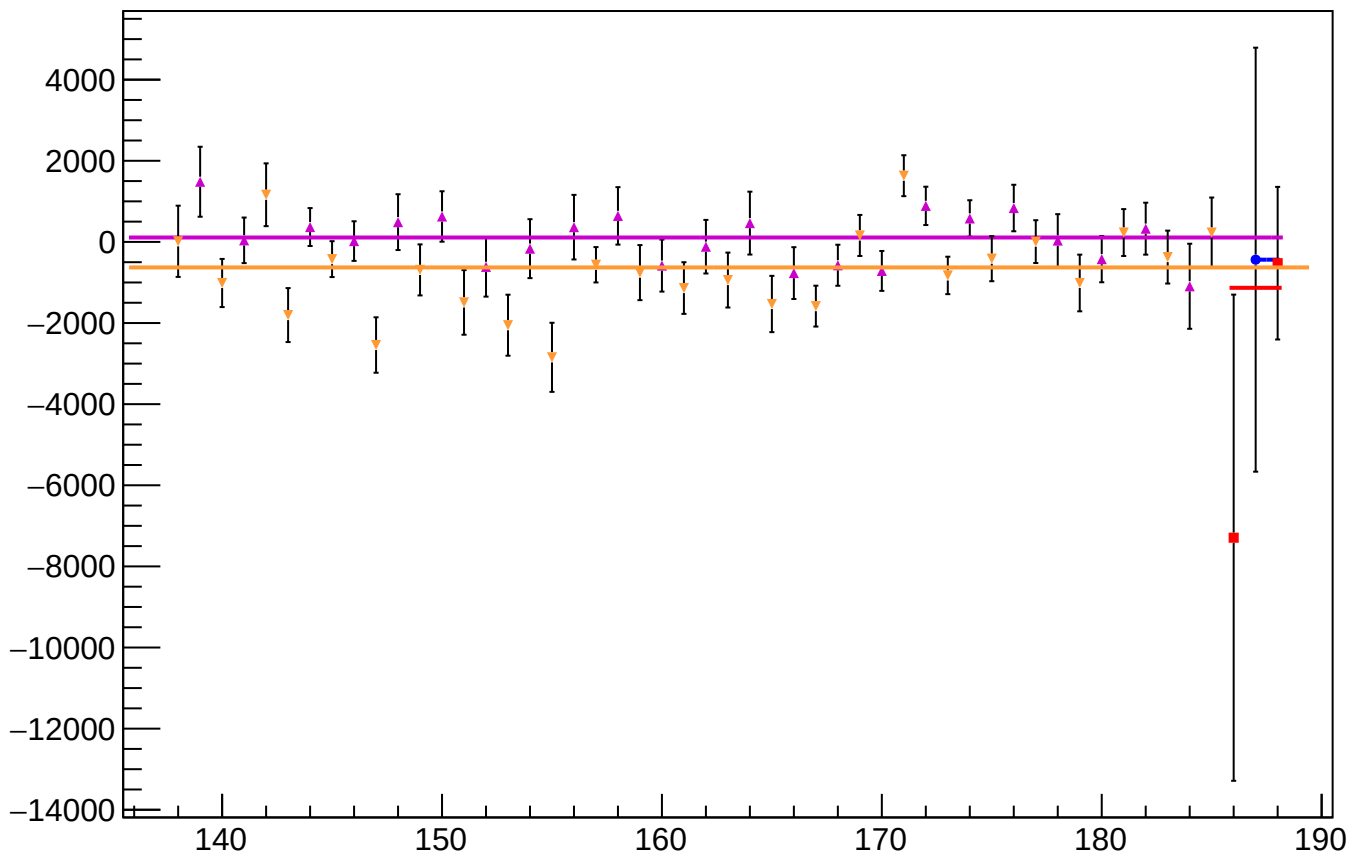
Right: 155.877 $\pm$ 0.103 χ^2 /NDF: 437877.3/2

In: 83.254 $\pm$ 0.015 χ^2 /NDF:1467003.3/23

Out: 82.112 $\pm$ 0.014 χ^2 /NDF:2657717.2/26

All: 82.655 $\pm$ 0.010 χ^2 /NDF: 4127967.5/50

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -437.935+/-5226.879 χ^2/NDF : 0.0/0

Left Out: -629.005+/-120.608 χ^2/NDF : 63.2/24

Right Out: -1131.535+/-1794.825 χ^2/NDF : 1.2/1

Left In: 108.821+/-125.527 χ^2/NDF : 21.4/22

Left: -274.832+/-86.970 χ^2/NDF : 102.6/47

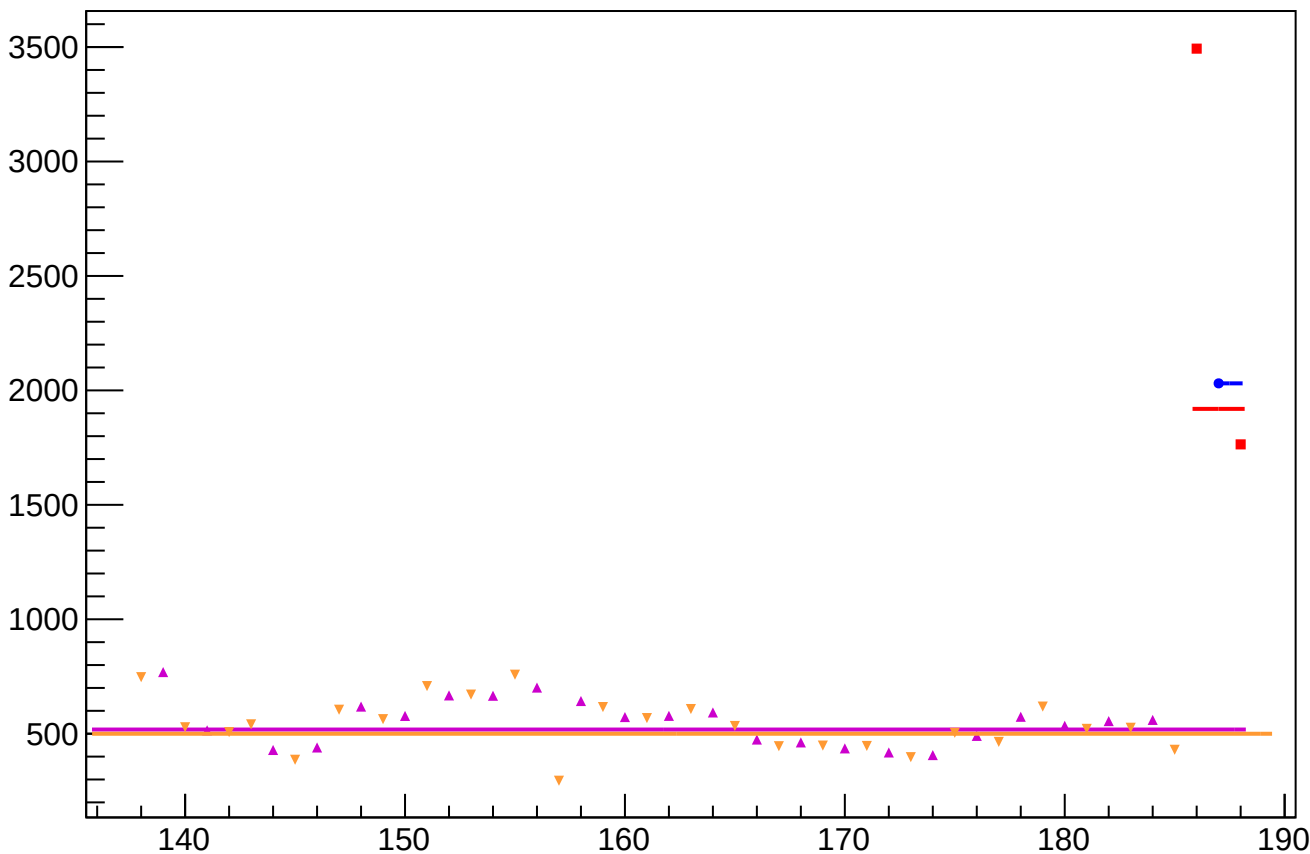
Right: -1058.377+/-1697.533 χ^2/NDF : 1.2/2

In: 108.506+/-125.491 χ^2/NDF : 21.4/23

Out: -631.264+/-120.336 χ^2/NDF : 64.4/26

All: -276.884+/-86.856 χ^2/NDF : 103.9/50

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 2030.722+/-3.696 χ^2/NDF : 0.0/0

Left Out: 499.813+/-0.085 χ^2/NDF :1626530.8/24

Right Out: 1919.236+/-1.269 χ^2/NDF : 151524.2/1

Left In: 518.244+/-0.089 χ^2/NDF :1071993.3/22

Left: 508.660+/-0.061 χ^2/NDF : 2720944.9/47

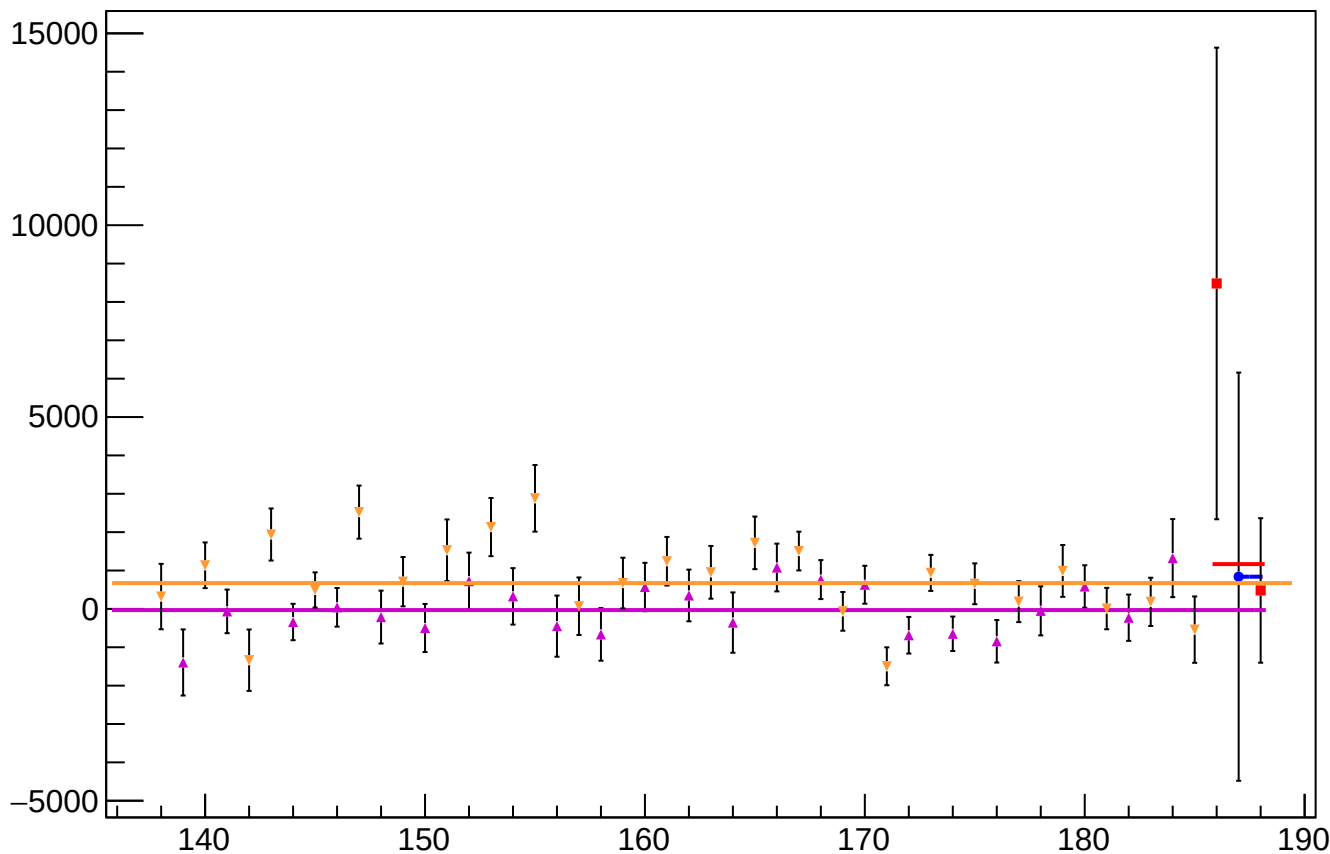
Right: 1930.995+/-1.200 χ^2/NDF : 152338.1/2

In: 519.116+/-0.089 χ^2/NDF :1239361.4/23

Out: 506.194+/-0.085 χ^2/NDF :3023295.3/26

All: 512.384+/-0.061 χ^2/NDF : 4273705.2/50

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 839.132+/-5319.599 χ^2/NDF : 0.0/0

Left Out: 672.498+/-123.428 χ^2/NDF : 62.8/24

Right Out: 1167.111+/-1800.501 χ^2/NDF : 1.5/1

Left In: -31.056+/-125.236 χ^2/NDF : 23.8/22

Left: 325.838+/-87.909 χ^2/NDF : 102.6/47

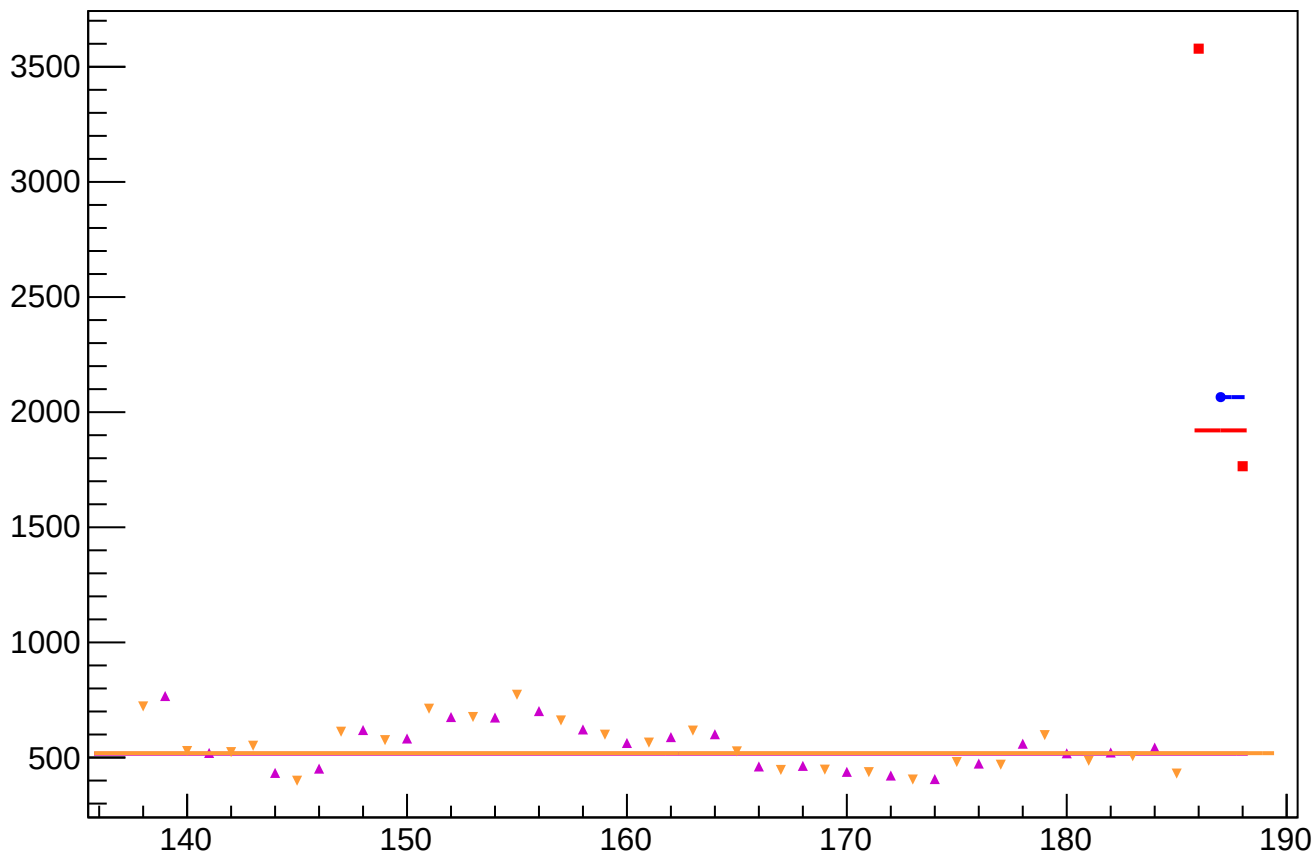
Right: 1133.400+/-1705.461 χ^2/NDF : 1.6/2

In: -30.574+/-125.202 χ^2/NDF : 23.9/23

Out: 674.811+/-123.139 χ^2/NDF : 64.4/26

All: 327.978+/-87.793 χ^2/NDF : 104.4/50

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 2065.356+/-3.762 χ^2/NDF : 0.0/0

Left Out: 518.935+/-0.087 χ^2/NDF :1172613.9/24

Right Out: 1920.854+/-1.273 χ^2/NDF : 159213.0/1

Left In: 516.594+/-0.089 χ^2/NDF :1036092.8/22

Left: 517.782+/-0.062 χ^2/NDF : 2209061.2/47

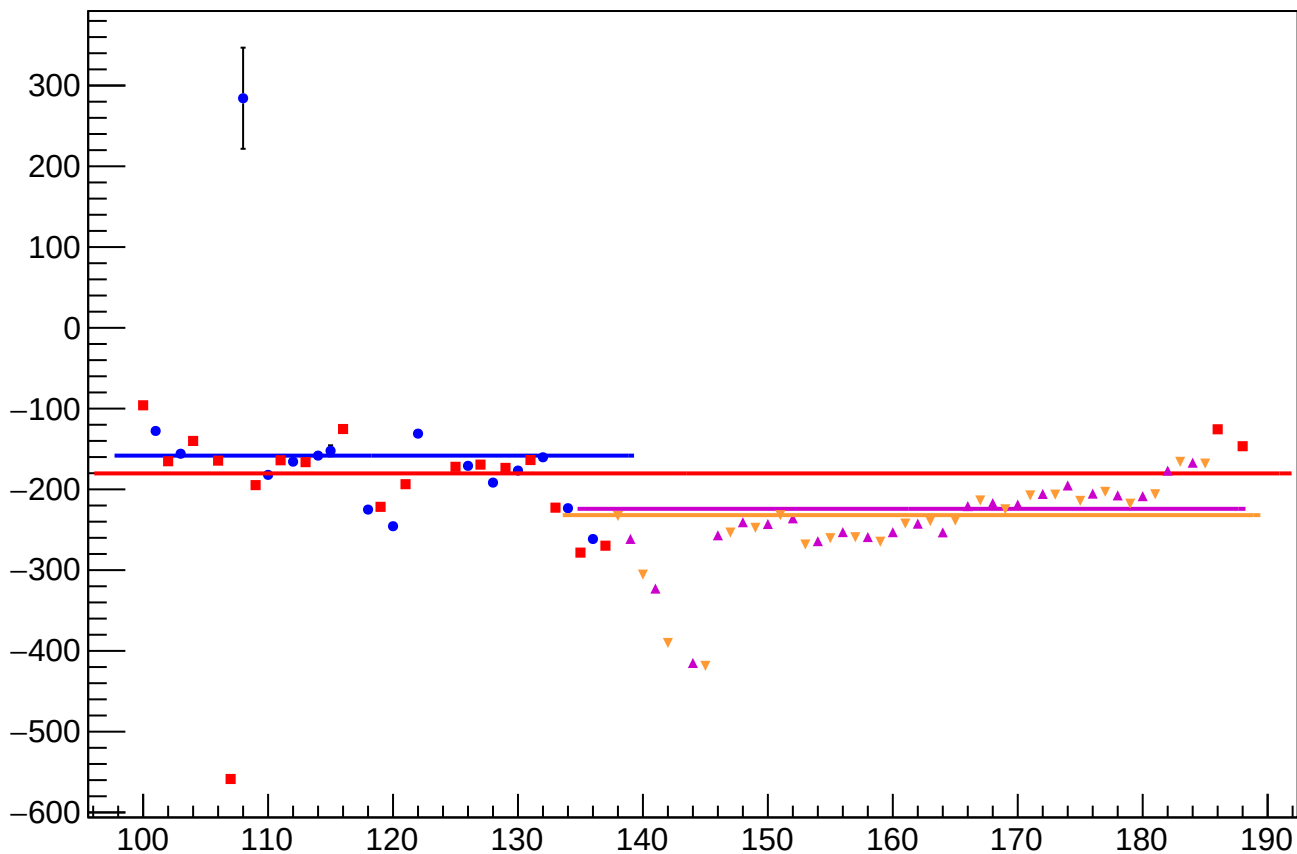
Right: 1935.706+/-1.206 χ^2/NDF : 160537.1/2

In: 517.452+/-0.089 χ^2/NDF :1205526.8/23

Out: 525.492+/-0.087 χ^2/NDF :2538676.1/26

All: 521.539+/-0.062 χ^2/NDF : 3748395.5/50

dit_usl_4aX_slope vs Slug, Sign Corrected



Right In: -158.222 ± 0.000 $\chi^2/\text{NDF}: 117166.2/15$

Left Out: -231.902 ± 0.108 $\chi^2/\text{NDF}: 110473.4/23$

Right Out: -180.236 ± 0.141 $\chi^2/\text{NDF}: 204263.5/19$

Left In: -224.103 ± 0.098 $\chi^2/\text{NDF}: 153347.0/22$

Left: -227.631 ± 0.073 $\chi^2/\text{NDF}: 266668.8/46$

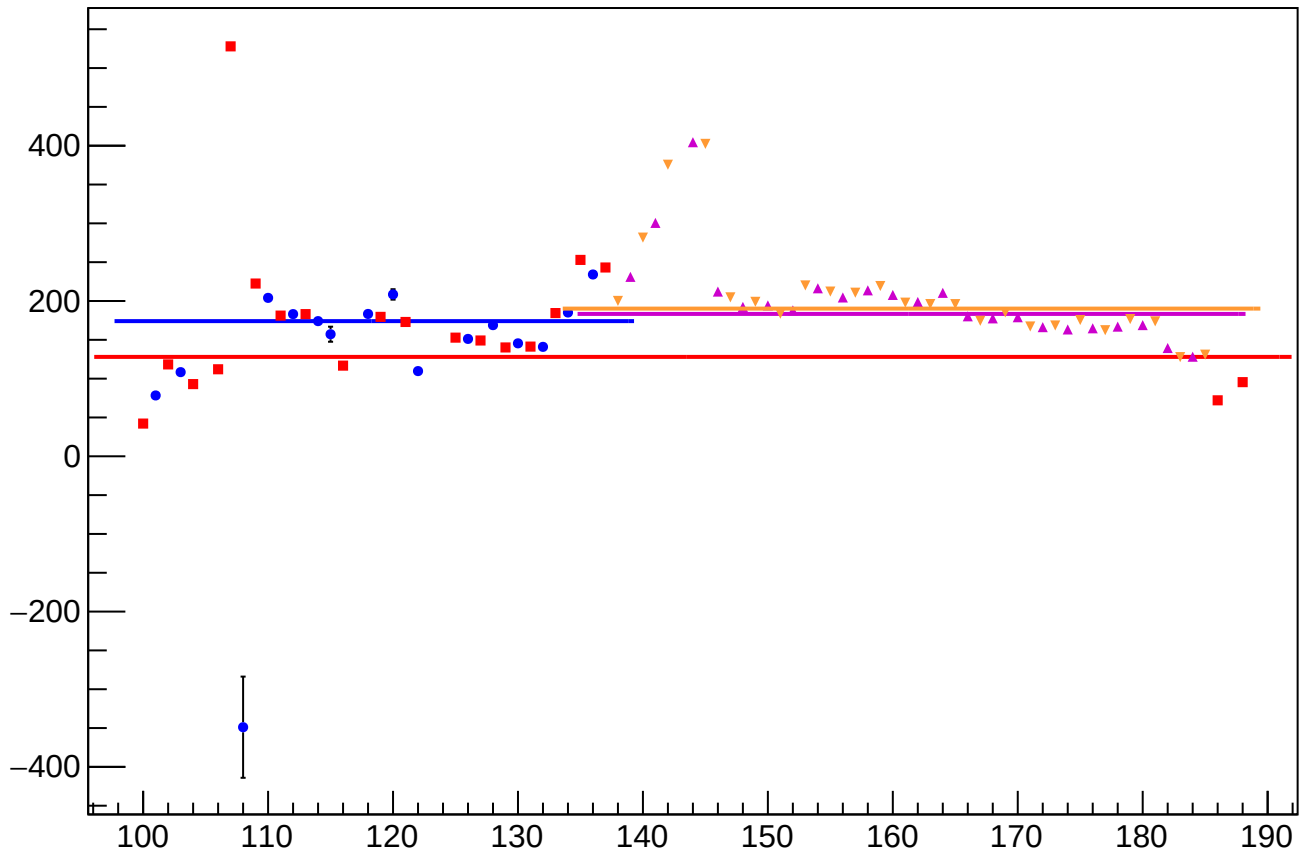
Right: -158.222 ± 0.000 $\chi^2/\text{NDF}: 345773.5/35$

In: -158.222 ± 0.000 $\chi^2/\text{NDF}: 719836.9/38$

Out: -212.782 ± 0.086 $\chi^2/\text{NDF}: 399199.8/43$

All: -158.222 ± 0.000 $\chi^2/\text{NDF}: 1523081.3/82$

dit_usl_4eX_slope vs Slug, Sign Corrected



Right In: 174.085 $\pm$ 0.000 χ^2 /NDF: 53377.4/15

Left Out: 190.208 $\pm$ 0.109 χ^2 /NDF:99613.5/23

Right Out: 128.015 $\pm$ 0.156 χ^2 /NDF: 204422.1/19

Left In: 183.362 $\pm$ 0.099 χ^2 /NDF:155441.6/22

Left: 186.466 $\pm$ 0.073 χ^2 /NDF: 257224.0/46

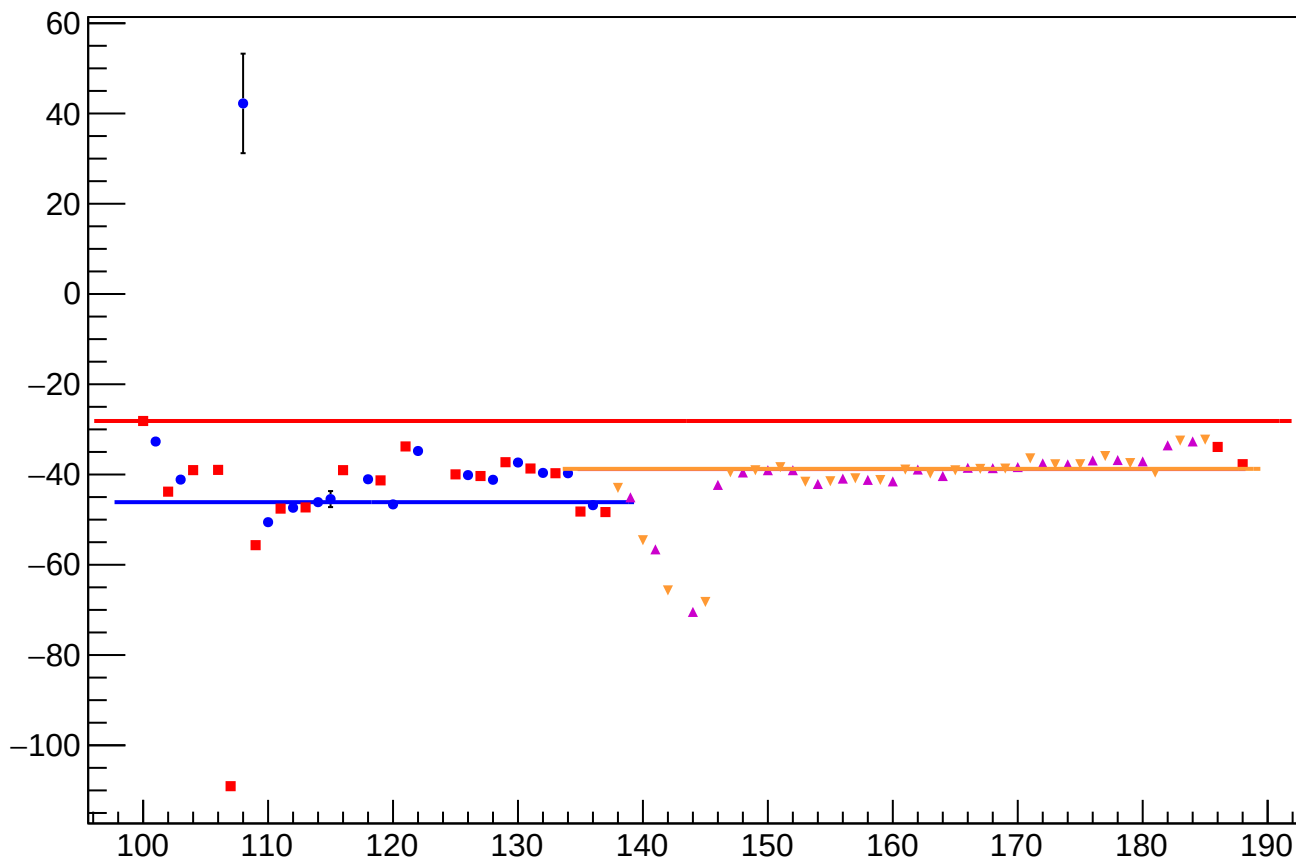
Right: 174.085 $\pm$ 0.000 χ^2 /NDF: 344511.3/35

In: 174.085 $\pm$ 0.000 χ^2 /NDF:217604.9/38

Out: 169.968 $\pm$ 0.089 χ^2 /NDF:410633.7/43

All: 174.085 $\pm$ 0.000 χ^2 /NDF: 630366.0/82

dit_usl_11X12X_slope vs Slug, Sign Corrected



Right In: -46.126 ± 0.000 χ^2/NDF : 201273.7/15

Left Out: -38.745 ± 0.006 χ^2/NDF : 400638.0/23

Right Out: -28.139 ± 0.000 χ^2/NDF : 802516.3/19

Left In: -38.794 ± 0.007 χ^2/NDF : 321993.9/22

Left: -38.767 ± 0.004 χ^2/NDF : 722662.8/46

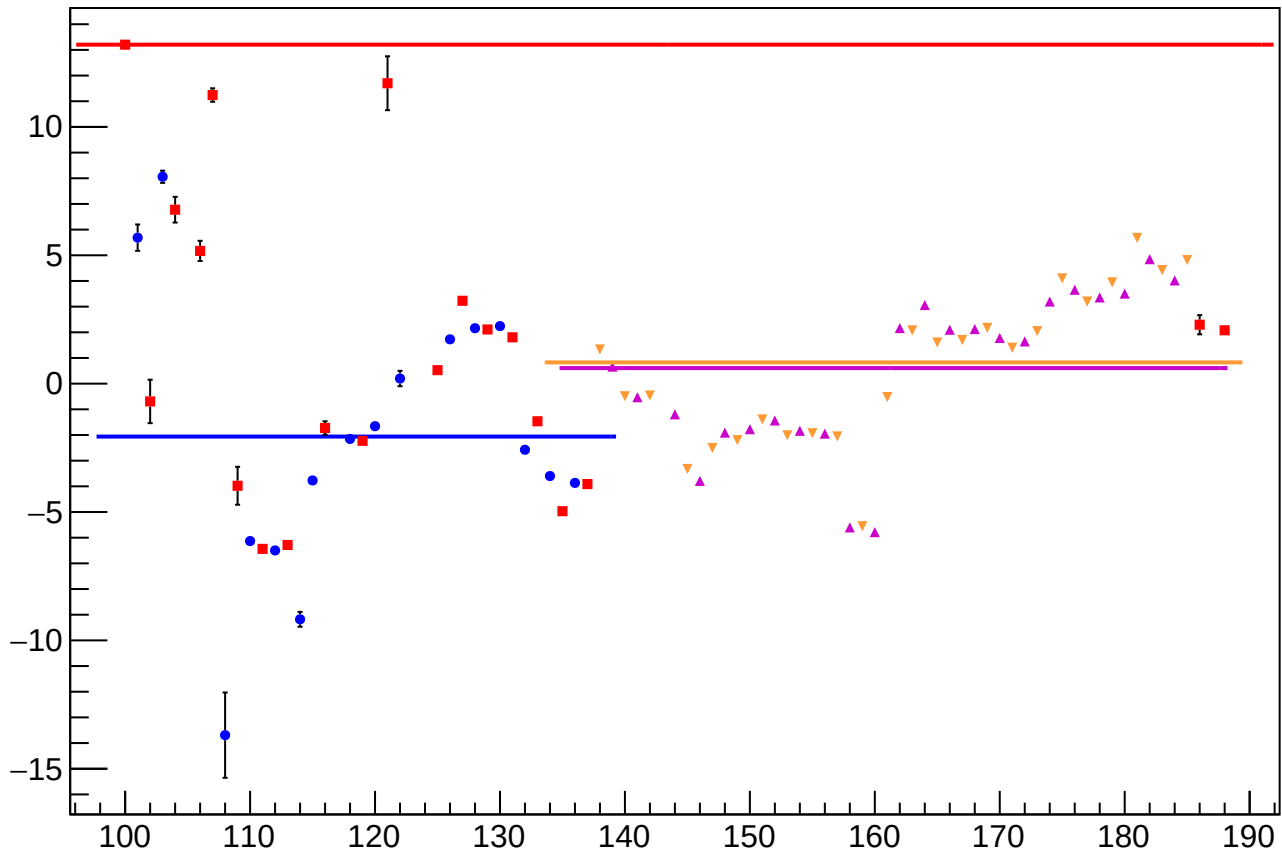
Right: -39.778 ± 0.000 χ^2/NDF : 248795993231659

In: -46.126 ± 0.000 χ^2/NDF : 1779001.9/38

Out: -28.139 ± 0.000 χ^2/NDF : 4459609.7/43

All: -39.778 ± 0.000 χ^2/NDF : 248795993231

dit_usl_4aY_slope vs Slug, Sign Corrected



Right In: -2.061 ± 0.018 χ^2/NDF : 25665.1/15

Left Out: 0.828 ± 0.006 χ^2/NDF : 255303.5/23

Right Out: 13.204 ± 0.000 χ^2/NDF : 529432.3/19

Left In: 0.606 ± 0.005 χ^2/NDF : 331282.7/22

Left: 0.696 ± 0.004 χ^2/NDF : 587368.1/46

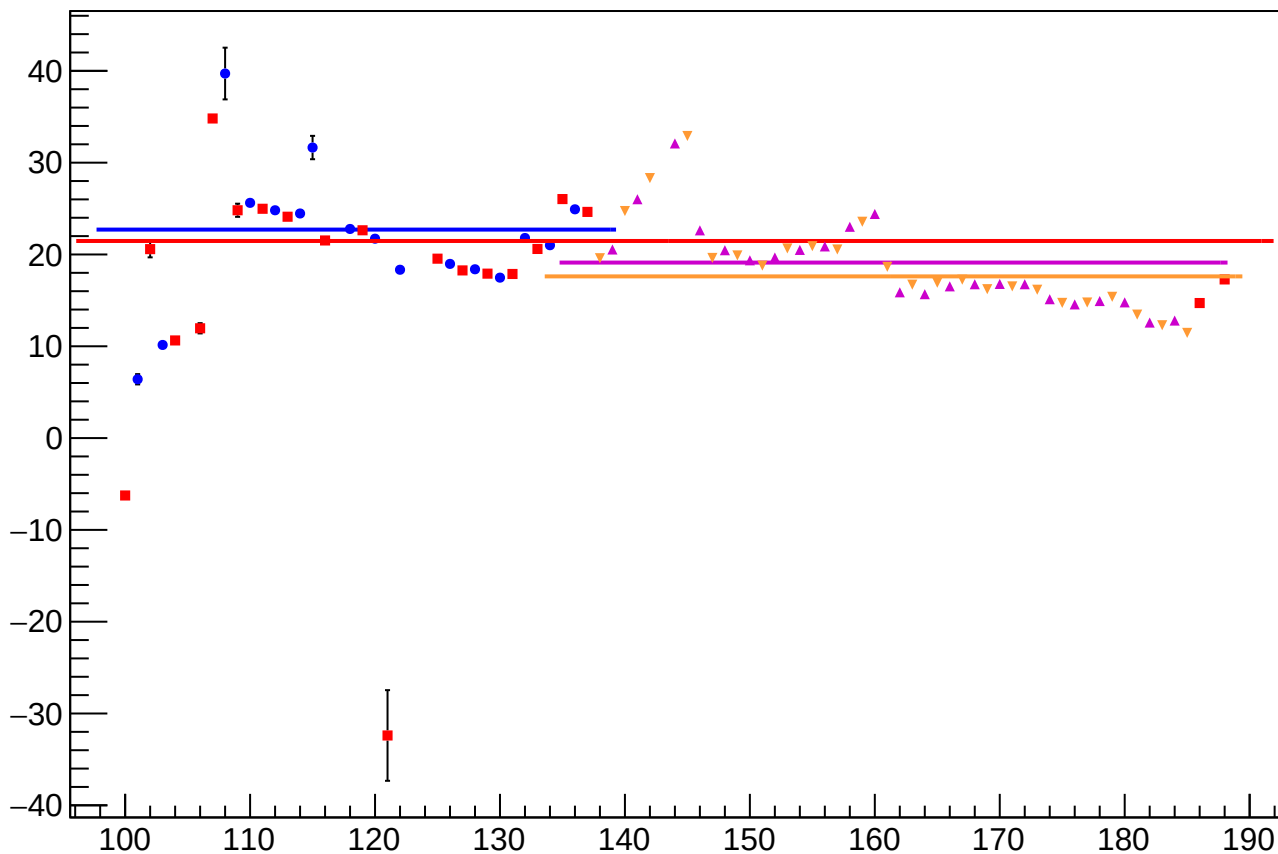
Right: 13.204 ± 0.000 χ^2/NDF : 1288511.8/35

In: 0.407 ± 0.005 χ^2/NDF : 377667.6/38

Out: 13.204 ± 0.000 χ^2/NDF : 4866241.0/43

All: 13.204 ± 0.000 χ^2/NDF : 12176848.6/82

dit_usl_4eY_slope vs Slug, Sign Corrected



Right In: 22.711 $\pm$ 0.019 χ^2/NDF : 22767.9/15

Left Out: 17.613 $\pm$ 0.007 χ^2/NDF :178438.8/23

Right Out: 21.470 $\pm$ 0.021 χ^2/NDF : 29888.5/19

Left In: 19.117 $\pm$ 0.007 χ^2/NDF :229353.0/22

Left: 18.369 $\pm$ 0.005 χ^2/NDF : 430183.3/46

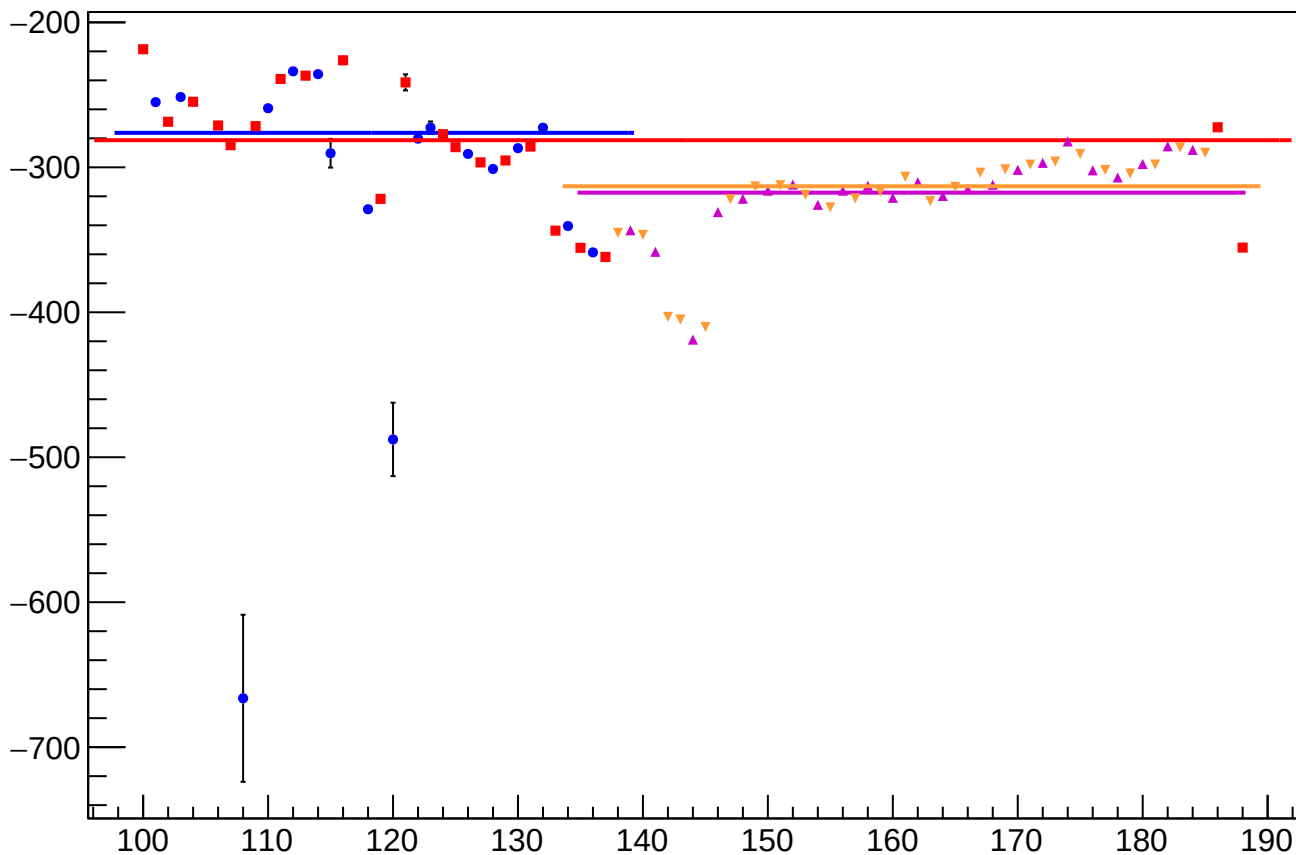
Right: 22.153 $\pm$ 0.014 χ^2/NDF : 54622.4/35

In: 19.567 $\pm$ 0.007 χ^2/NDF :284235.8/38

Out: 18.019 $\pm$ 0.007 χ^2/NDF :239217.2/43

All: 18.805 $\pm$ 0.005 χ^2/NDF : 550230.8/82

dit_usr_4aX_slope vs Slug, Sign Corrected



Right In: -276.201+/-0.167 χ^2/NDF : 58107.7/16

Left Out: -313.052+/-0.096 χ^2/NDF : 54405.8/24

Right Out: -281.299+/-0.136 χ^2/NDF : 83574.0/20

Left In: -317.471+/-0.095 χ^2/NDF : 63067.6/22

Left: -315.276+/-0.068 χ^2/NDF : 118543.8/47

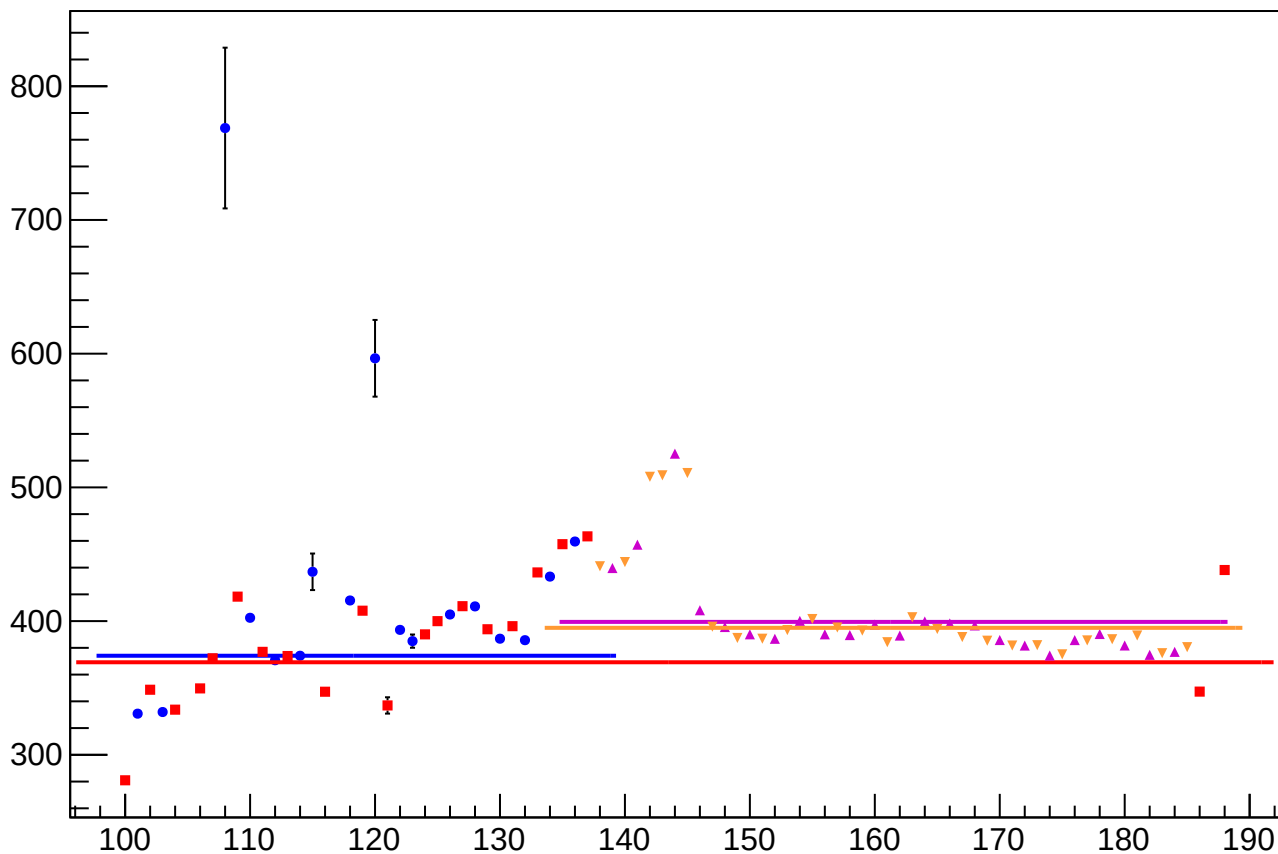
Right: -279.265+/-0.105 χ^2/NDF : 142244.5/37

In: -307.307+/-0.083 χ^2/NDF : 167445.8/39

Out: -302.491+/-0.078 χ^2/NDF : 174497.2/45

All: -304.768+/-0.057 χ^2/NDF : 343732.8/85

dit_usr_4eX_slope vs Slug, Sign Corrected



Right In: 374.094 ± 0.000 $\chi^2/\text{NDF}: 35072.0/16$

Left Out: 394.968 ± 0.096 $\chi^2/\text{NDF}: 68076.2/24$

Right Out: 369.216 ± 0.140 $\chi^2/\text{NDF}: 117600.9/20$

Left In: 399.410 ± 0.097 $\chi^2/\text{NDF}: 77209.0/22$

Left: 397.169 ± 0.068 $\chi^2/\text{NDF}: 146345.7/47$

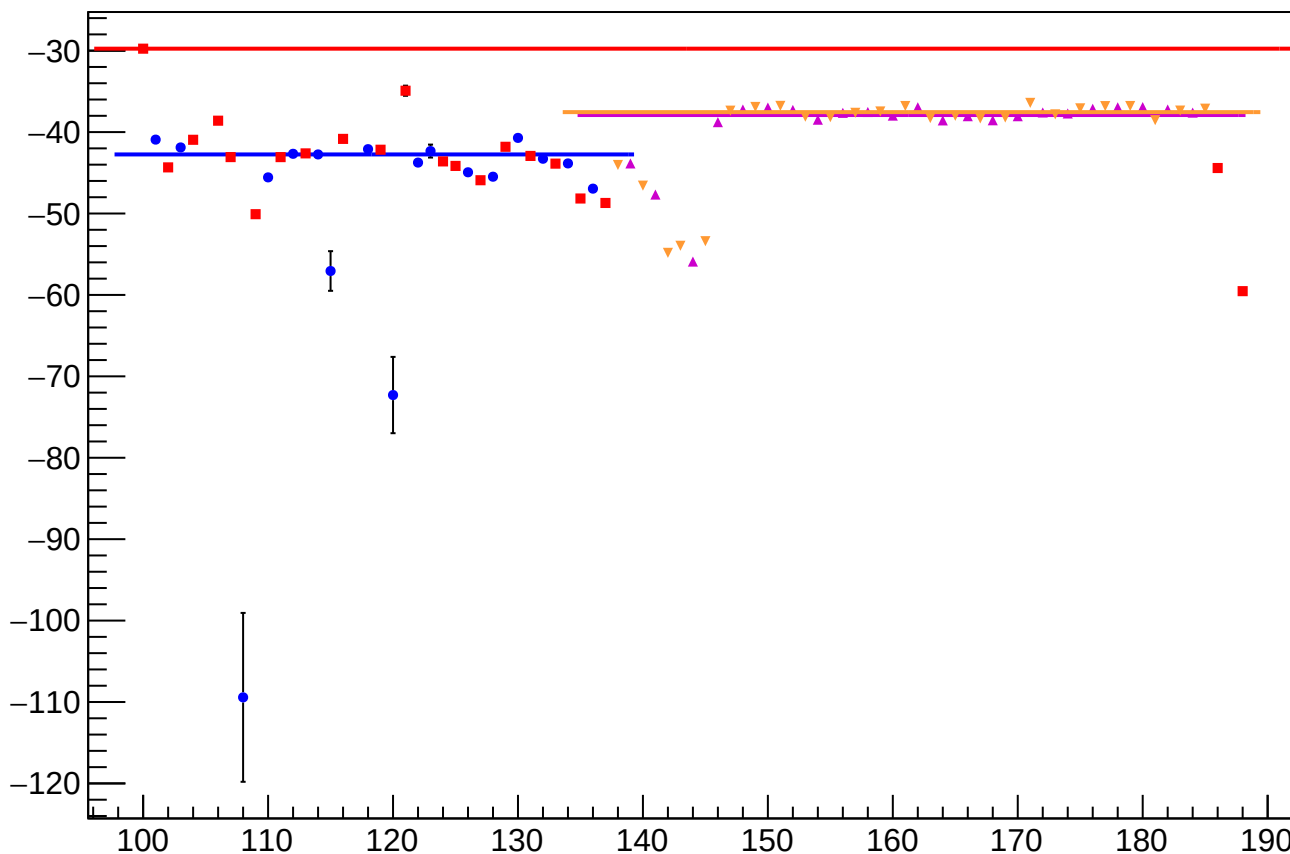
Right: 374.094 ± 0.000 $\chi^2/\text{NDF}: 153880.7/37$

In: 374.094 ± 0.000 $\chi^2/\text{NDF}: 180586.1/39$

Out: 386.760 ± 0.079 $\chi^2/\text{NDF}: 208609.3/45$

All: 374.094 ± 0.000 $\chi^2/\text{NDF}: 414741.7/85$

dit_usr_11X12X_slope vs Slug, Sign Corrected



Right In: -42.744+/-0.000 χ^2/NDF : 13262.6/16

Left Out: -37.547+/-0.004 χ^2/NDF : 267131.7/24

Right Out: -29.754+/-0.000 χ^2/NDF : 537447.2/20

Left In: -37.903+/-0.004 χ^2/NDF : 156960.8/22

Left: -37.711+/-0.003 χ^2/NDF : 428070.7/47

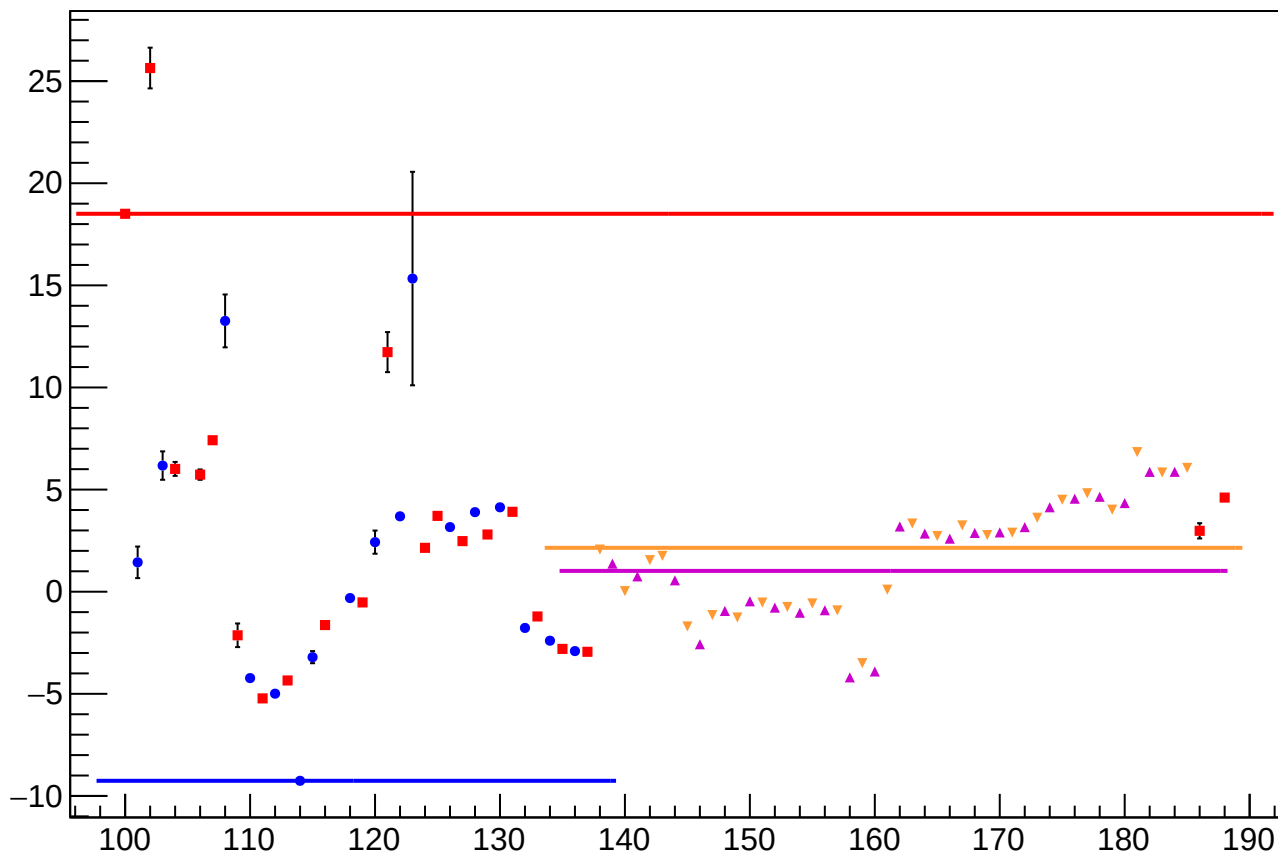
Right: -38.159+/-0.000 χ^2/NDF : 129765212680709

In: -42.744+/-0.000 χ^2/NDF : 1532116.9/39

Out: -29.754+/-0.000 χ^2/NDF : 4932363.6/45

All: -38.159+/-0.000 χ^2/NDF : 129765212680

dit_usr_4aY_slope vs Slug, Sign Corrected



Right In: -9.259 ± 0.000 $\chi^2/\text{NDF}: 405850.5/16$

Left Out: 2.149 ± 0.005 $\chi^2/\text{NDF}: 290739.3/24$

Right Out: 18.504 ± 0.000 $\chi^2/\text{NDF}: 7381788.7/20$

Left In: 1.019 ± 0.006 $\chi^2/\text{NDF}: 250029.0/22$

Left: 1.671 ± 0.004 $\chi^2/\text{NDF}: 563410.5/47$

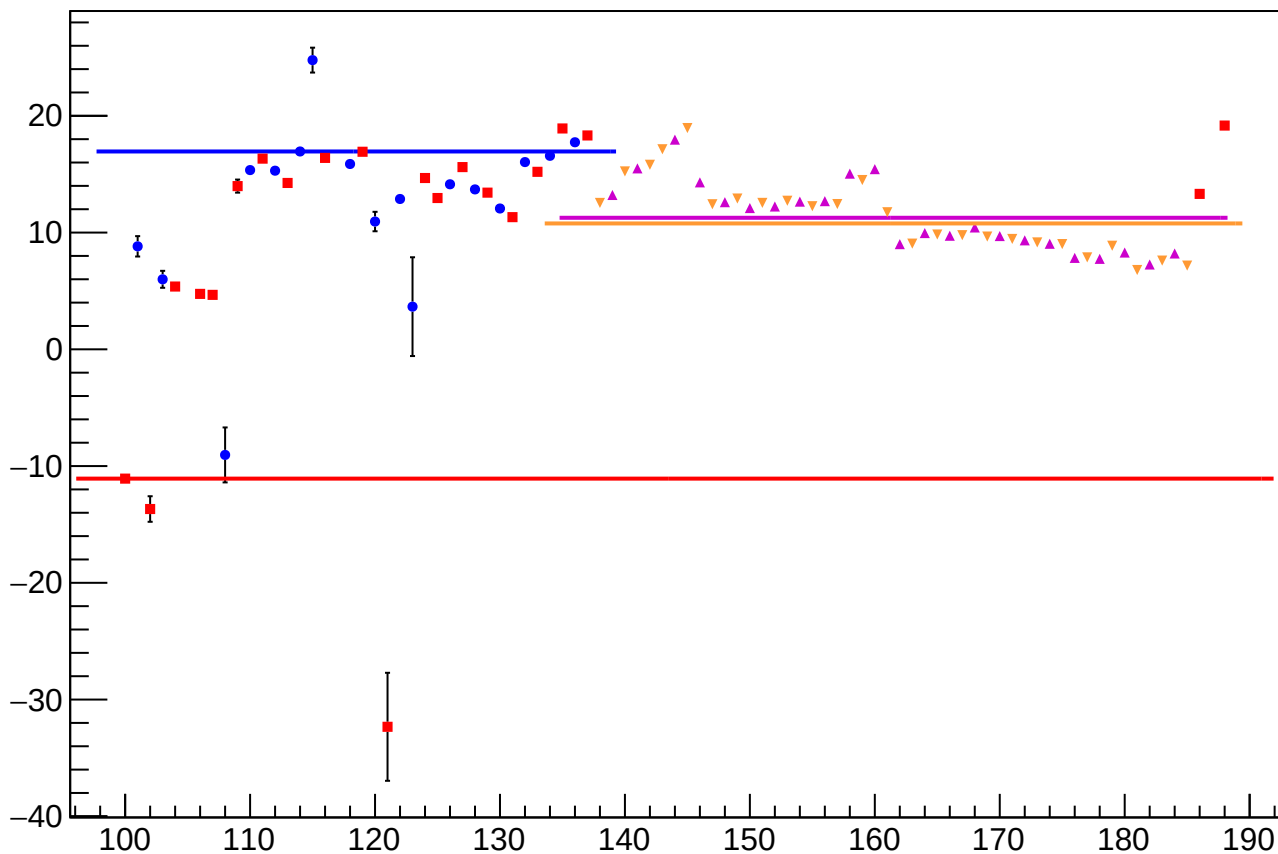
Right: 6.039 ± 0.000 $\chi^2/\text{NDF}: 16450574505955581$

In: -9.259 ± 0.000 $\chi^2/\text{NDF}: 3903920.3/39$

Out: 18.504 ± 0.000 $\chi^2/\text{NDF}: 18858986.4/45$

All: 6.039 ± 0.000 $\chi^2/\text{NDF}: 16450574505955581$

dit_usr_4eY_slope vs Slug, Sign Corrected



Right In: 16.947 ± 0.000 χ^2/NDF : 11231.8/16

Left Out: 10.782 ± 0.007 χ^2/NDF : 129427.5/24

Right Out: -11.075 ± 0.000 χ^2/NDF : 2783034.5/20

Left In: 11.267 ± 0.008 χ^2/NDF : 98438.0/22

Left: 10.986 ± 0.005 χ^2/NDF : 230089.4/47

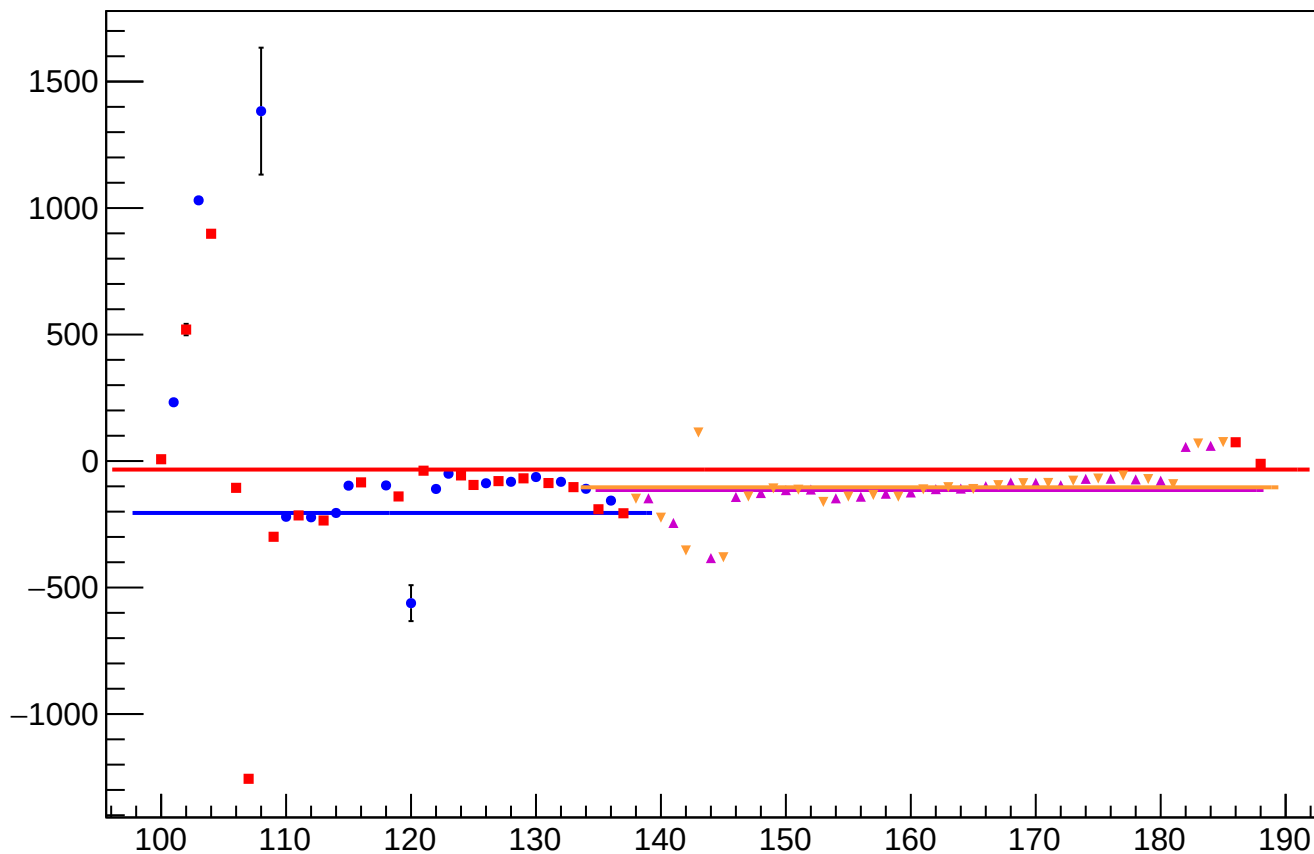
Right: -2.268 ± 0.000 χ^2/NDF : 4692527454635666

In: 16.947 ± 0.000 χ^2/NDF : 634333.1/39

Out: -11.075 ± 0.000 χ^2/NDF : 13658528.4/45

All: -2.268 ± 0.000 χ^2/NDF : 4692527454635

dit_atl1_4aX_slope vs Slug, Sign Corrected



Right In: -205.160+/-0.000 χ^2/NDF : 582775.6/16

Left Out: -103.842+/-0.192 χ^2/NDF : 94751.7/24

Right Out: -33.651+/-0.251 χ^2/NDF : 152724.6/20

Left In: -114.444+/-0.225 χ^2/NDF : 76837.7/22

Left: -108.306+/-0.146 χ^2/NDF : 172877.4/47

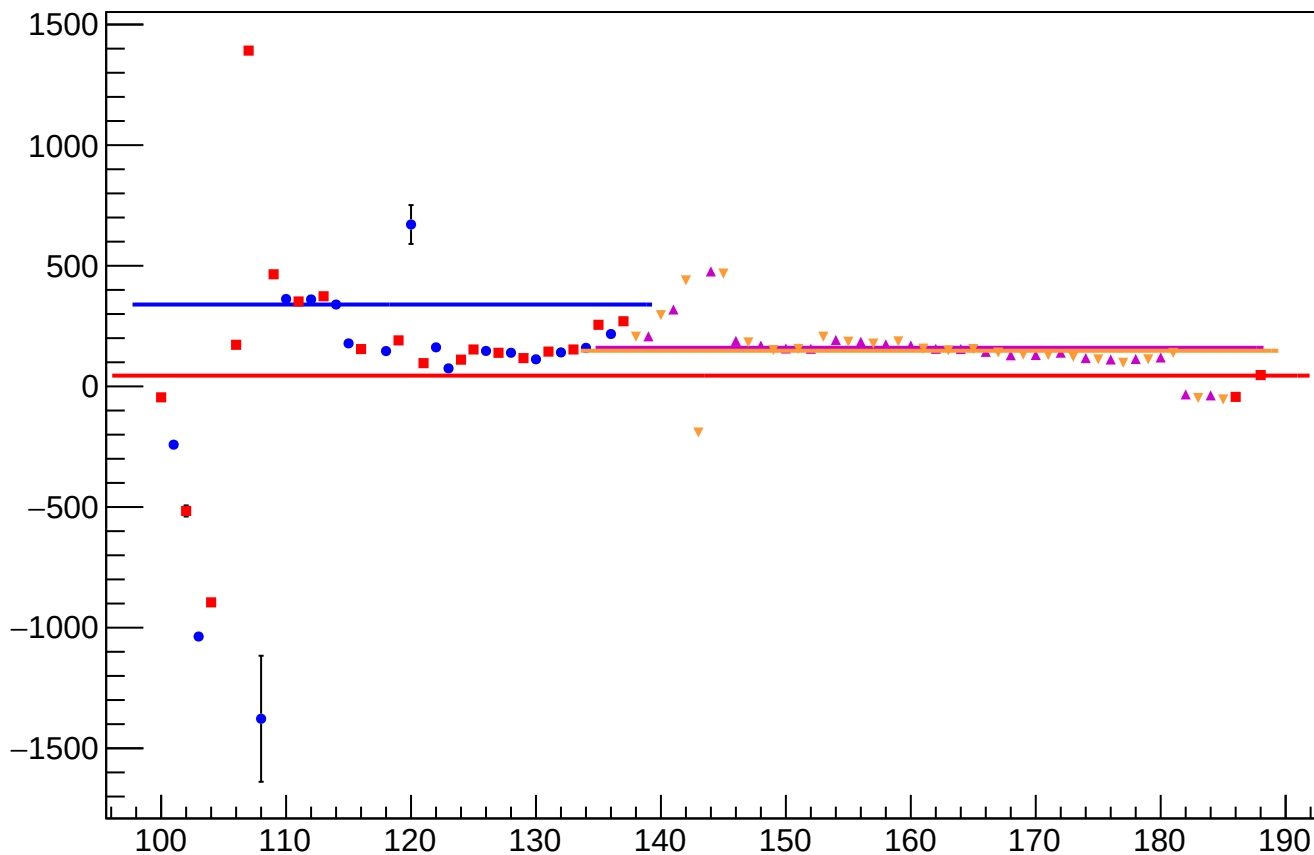
Right: -205.160+/-0.000 χ^2/NDF : 1203095.3/37

In: -205.160+/-0.000 χ^2/NDF : 822494.9/39

Out: -77.961+/-0.152 χ^2/NDF : 296916.5/45

All: -205.160+/-0.000 χ^2/NDF : 1816936.4/85

dit_atl1_4eX_slope vs Slug, Sign Corrected



Right In: 339.325+/-0.000 χ^2/NDF : 1030606.3/16

Left Out: 147.771+/-0.196 χ^2/NDF :134281.2/24

Right Out: 44.745+/-0.249 χ^2/NDF : 304190.6/20

Left In: 160.049+/-0.230 χ^2/NDF :83579.0/22

Left: 152.950+/-0.149 χ^2/NDF : 219512.9/47

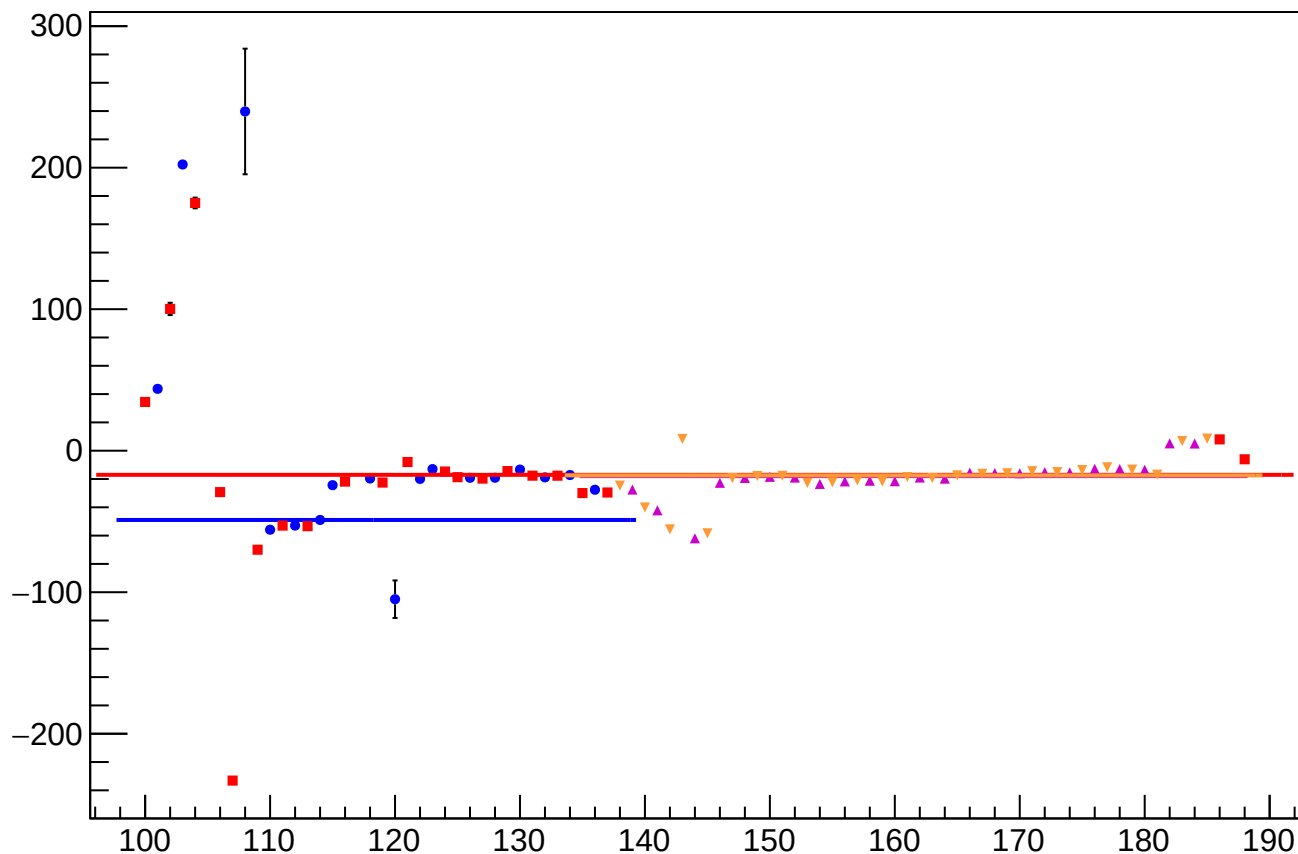
Right: 339.325+/-0.000 χ^2/NDF : 2739426.2/37

In: 339.325+/-0.000 χ^2/NDF :1723524.3/39

Out: 108.231+/-0.154 χ^2/NDF :544344.0/45

All: 339.325+/-0.000 χ^2/NDF : 4520250.6/85

dit_atl1_11X12X_slope vs Slug, Sign Corrected



Right In: -48.945 $\pm$ 0.000 χ^2 /NDF: 5408370.4/16

Left Out: -17.446 $\pm$ 0.010 χ^2 /NDF: 714044.4/24

Right Out: -17.055 $\pm$ 0.043 χ^2 /NDF: 298881.2/20

Left In: -17.951 $\pm$ 0.012 χ^2 /NDF: 252123.1/22

Left: -17.648 $\pm$ 0.008 χ^2 /NDF: 967185.6/47

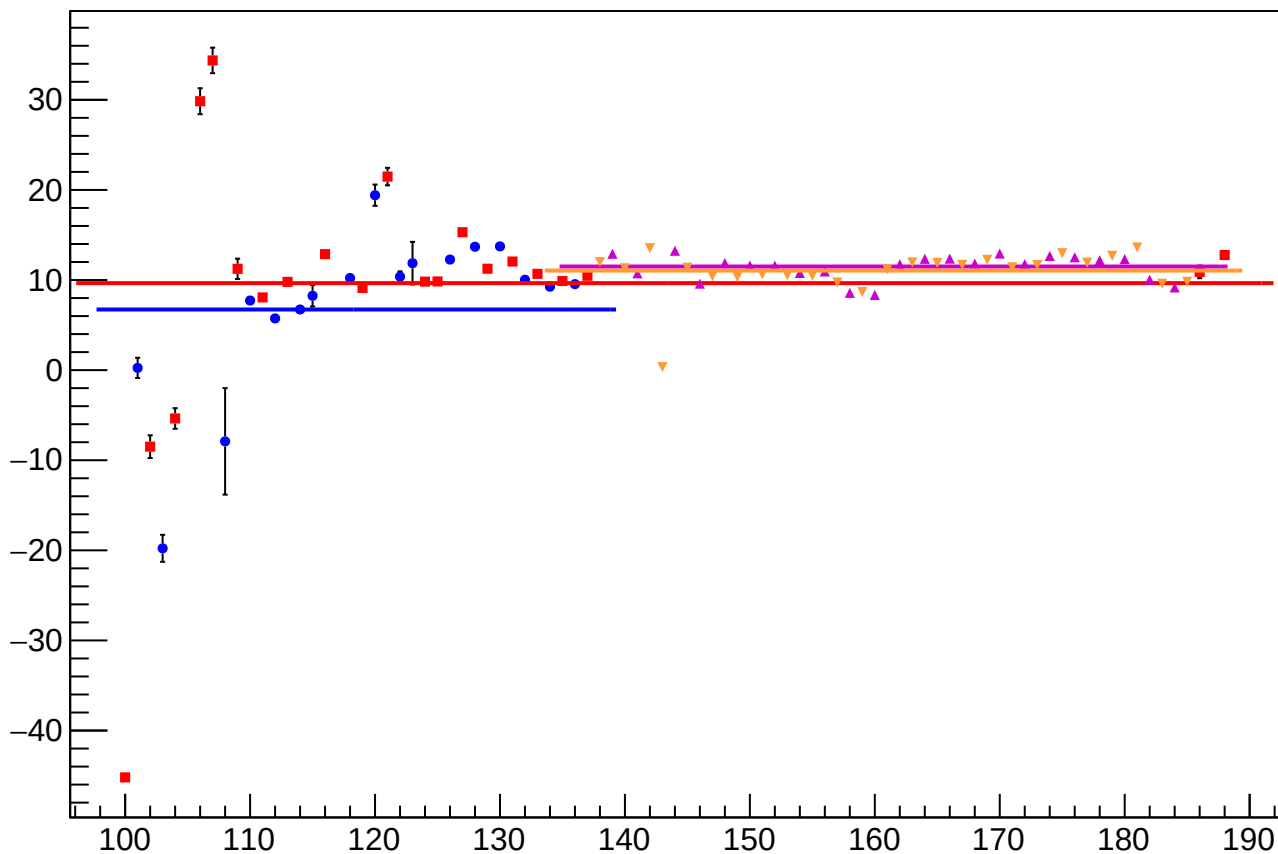
Right: -48.945 $\pm$ 0.000 χ^2 /NDF: 6259617.2/37

In: -48.945 $\pm$ 0.000 χ^2 /NDF: 12047104.5/39

Out: -17.426 $\pm$ 0.010 χ^2 /NDF: 1013004.2/45

All: -48.945 $\pm$ 0.000 χ^2 /NDF: 23515834.6/85

dit_atl1_4aY_slope vs Slug, Sign Corrected



Right In: 6.728 $\pm$ 0.000 χ^2 /NDF: 13749.2/16

Left Out: 11.049 $\pm$ 0.012 χ^2 /NDF:31618.4/24

Right Out: 9.658 $\pm$ 0.035 χ^2 /NDF: 27219.5/20

Left In: 11.498 $\pm$ 0.010 χ^2 /NDF:15848.8/22

Left: 11.309 $\pm$ 0.008 χ^2 /NDF: 48246.1/47

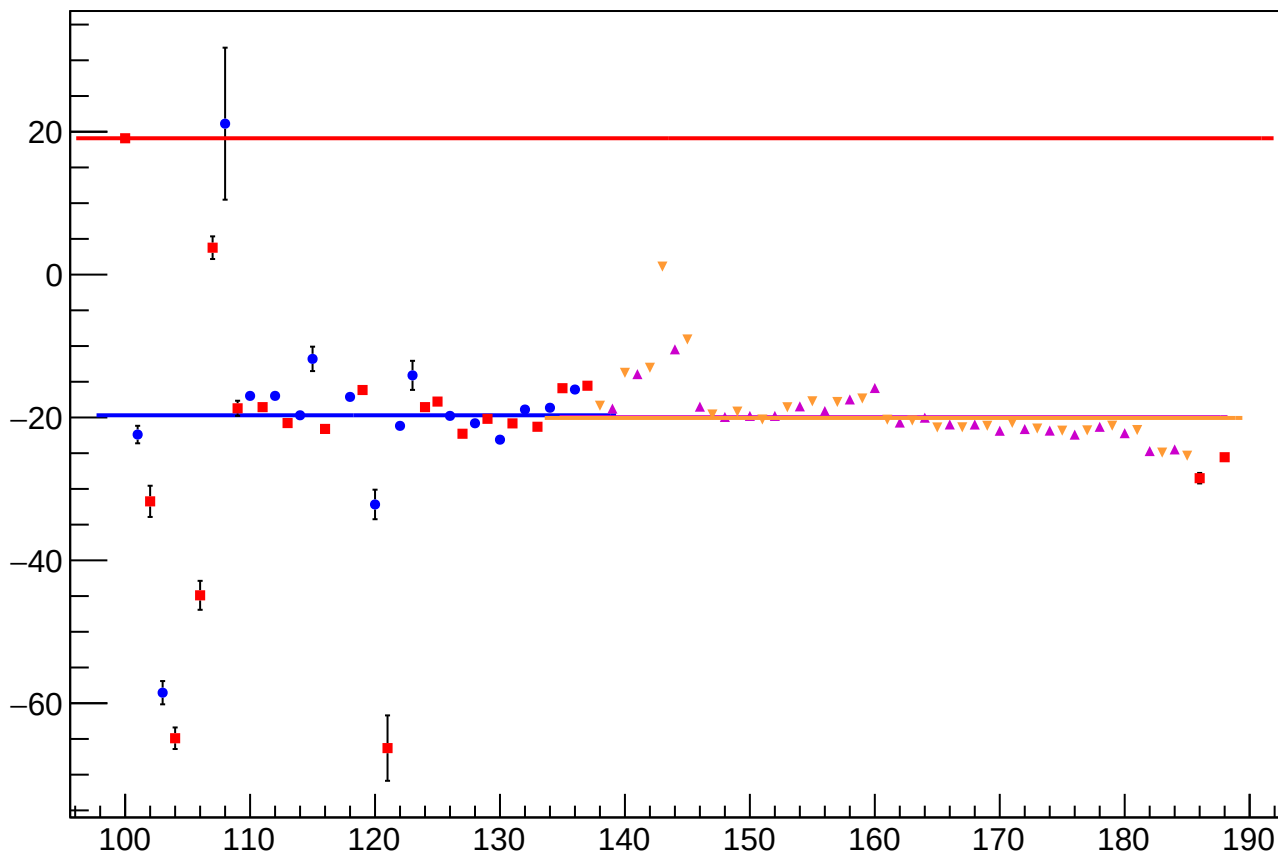
Right: 6.728 $\pm$ 0.000 χ^2 /NDF: 48082.3/37

In: 6.728 $\pm$ 0.000 χ^2 /NDF:238804.7/39

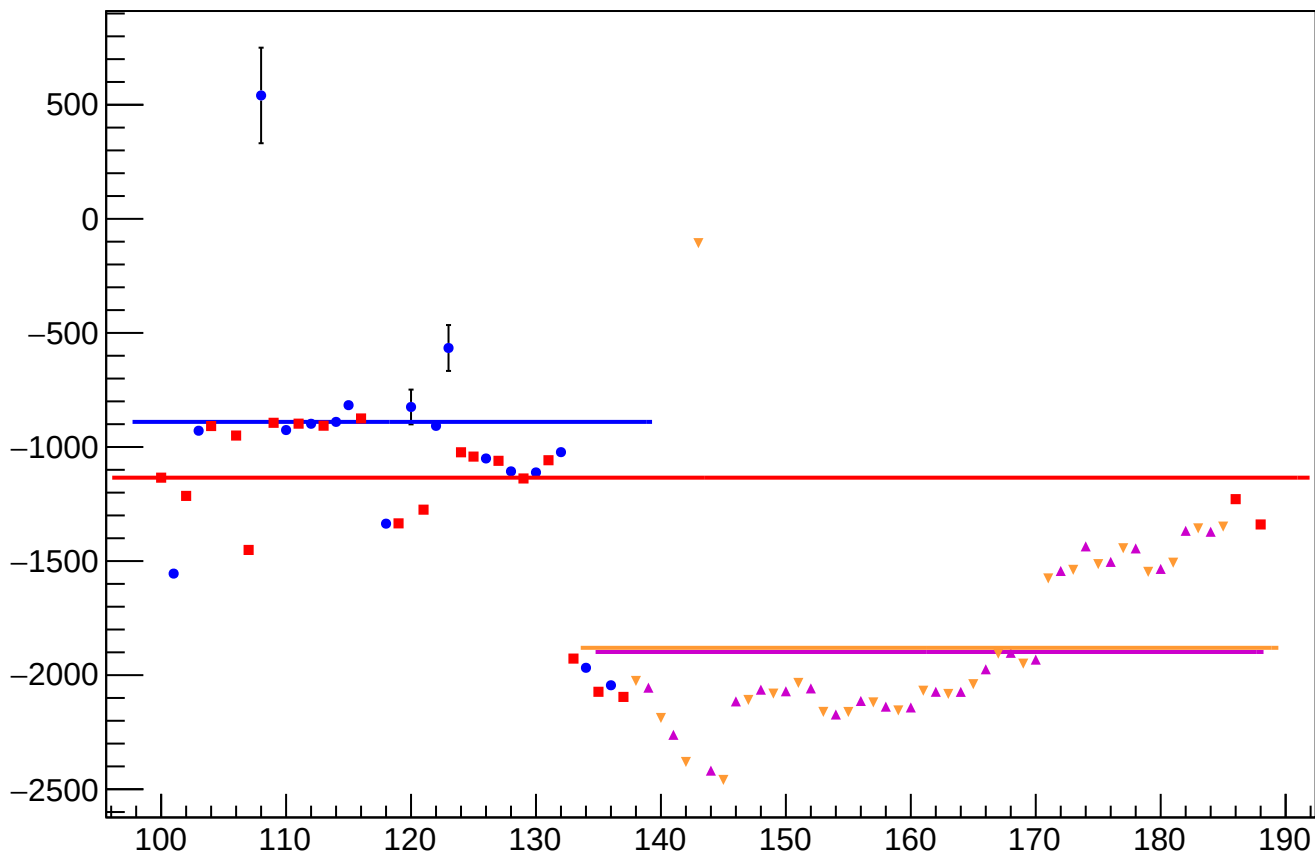
Out: 10.895 $\pm$ 0.012 χ^2 /NDF:60265.0/45

All: 6.728 $\pm$ 0.000 χ^2 /NDF: 429210.9/85

dit_atl1_4eY_slope vs Slug, Sign Corrected



dit_atl2_4aX_slope vs Slug, Sign Corrected



Right In: -889.928+/-0.000 χ^2/NDF : 775896.0/16

Left Out: -1880.162+/-0.353 χ^2/NDF : 873293.0/24

Right Out: -1134.421+/-0.000 χ^2/NDF : 764568.4/20

Left In: -1898.497+/-0.364 χ^2/NDF : 698003.8/22

Left: -1889.053+/-0.253 χ^2/NDF : 1572605.5/47

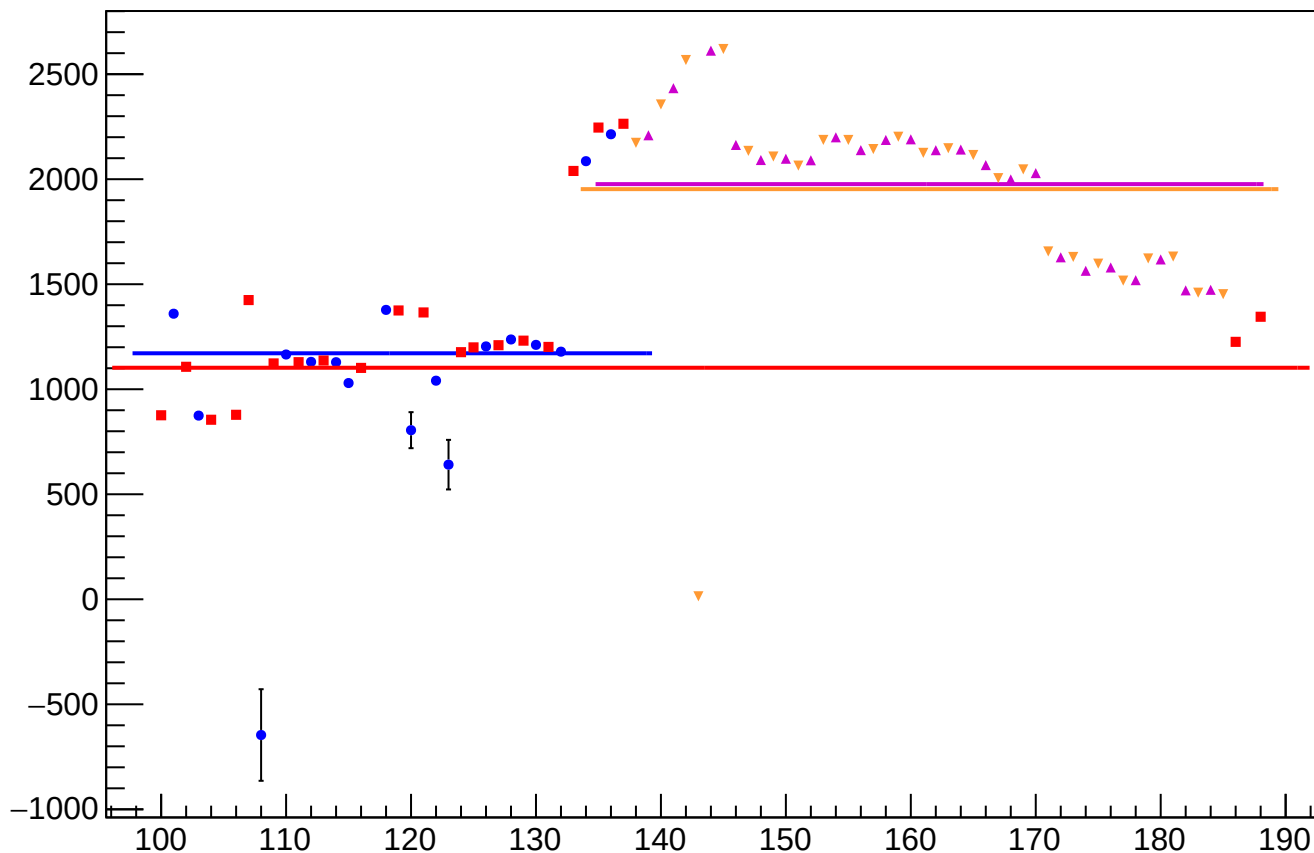
Right: -976.220+/-0.000 χ^2/NDF : 44889787387498

In: -889.928+/-0.000 χ^2/NDF : 9162698.5/39

Out: -1134.421+/-0.000 χ^2/NDF : 6102332.0/45

All: -976.220+/-0.000 χ^2/NDF : 44889787387

dit_atl2_4eX_slope vs Slug, Sign Corrected



Right In: 1171.188 $\pm$ 0.245 χ^2 /NDF: 508989.2/16

Left Out: 1952.706 $\pm$ 0.354 χ^2 /NDF: 820225.3/24

Right Out: 1102.331 $\pm$ 0.245 χ^2 /NDF: 1143389.0/20

Left In: 1976.603 $\pm$ 0.367 χ^2 /NDF: 625684.0/22

Left: 1964.216 $\pm$ 0.255 χ^2 /NDF: 1448104.1/47

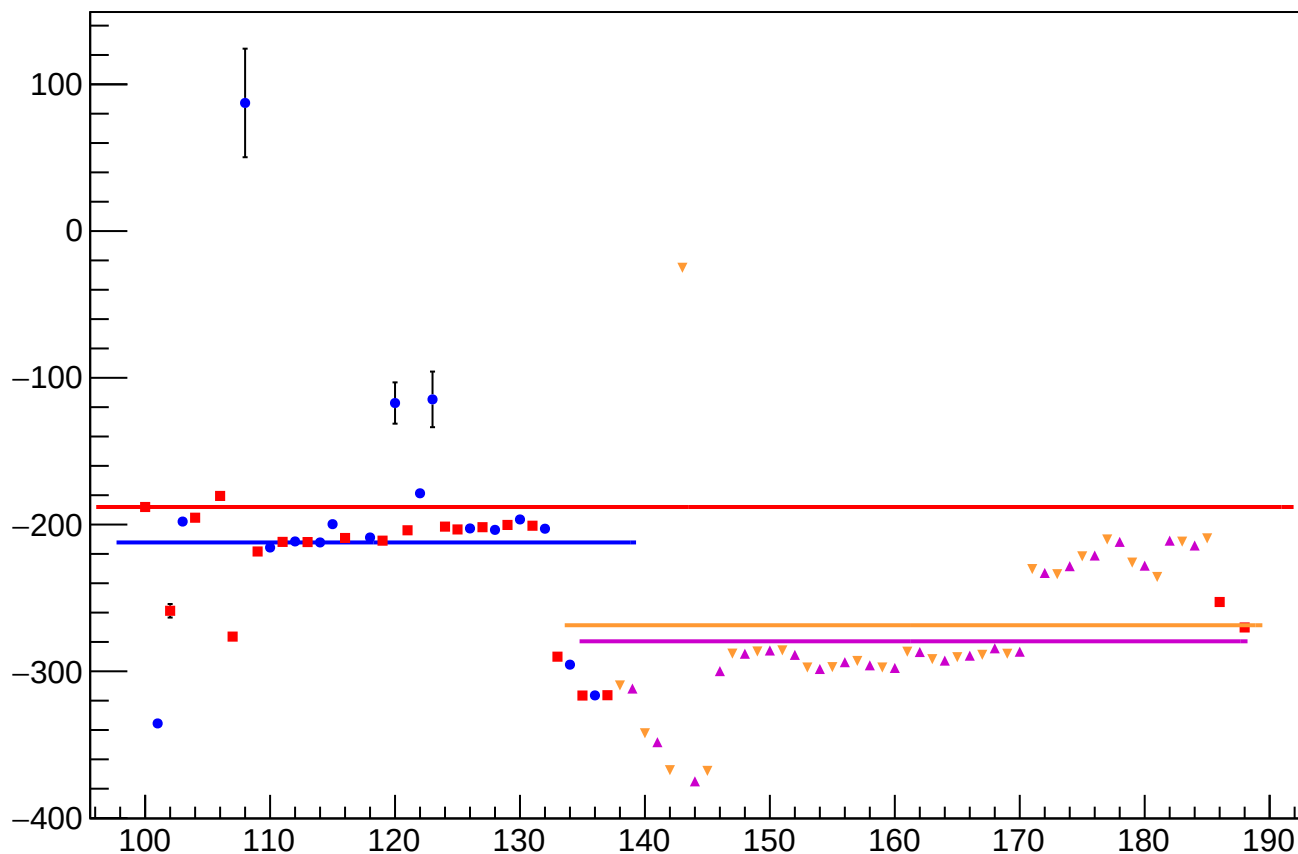
Right: 1136.752 $\pm$ 0.173 χ^2 /NDF: 1691760.6/37

In: 1419.769 $\pm$ 0.204 χ^2 /NDF: 4459991.9/39

Out: 1378.226 $\pm$ 0.202 χ^2 /NDF: 5861982.0/45

All: 1398.753 $\pm$ 0.143 χ^2 /NDF: 10342947.9/80

dit_atl2_11X12X_slope vs Slug, Sign Corrected



Right In: -212.190 ± 0.000 $\chi^2/\text{NDF}: 1149195.1/16$

Left Out: -268.611 ± 0.022 $\chi^2/\text{NDF}: 7041710.3/24$

Right Out: -188.033 ± 0.000 $\chi^2/\text{NDF}: 875686.9/20$

Left In: -279.563 ± 0.022 $\chi^2/\text{NDF}: 2298119.7/22$

Left: -274.180 ± 0.015 $\chi^2/\text{NDF}: 9465442.7/47$

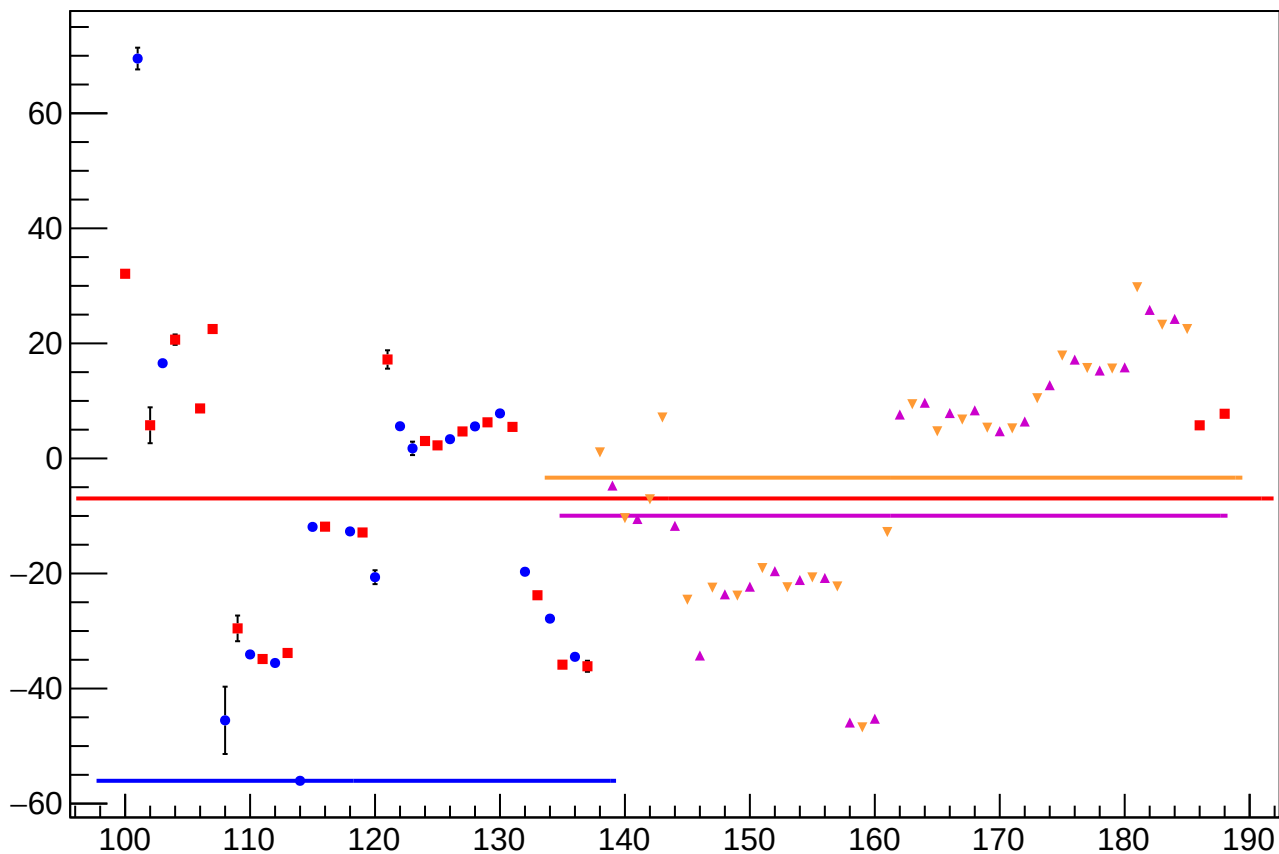
Right: -195.625 ± 0.000 $\chi^2/\text{NDF}: 13622303625661$

In: -212.190 ± 0.000 $\chi^2/\text{NDF}: 13119022.9/39$

Out: -188.033 ± 0.000 $\chi^2/\text{NDF}: 21289745.2/45$

All: -195.625 ± 0.000 $\chi^2/\text{NDF}: 13622303625$

dit_atl2_4aY_slope vs Slug, Sign Corrected



Right In: -56.037 ± 0.000 $\chi^2/\text{NDF}: 1585420.7/16$

Left Out: -3.341 ± 0.018 $\chi^2/\text{NDF}: 1399746.6/24$

Right Out: -6.958 ± 0.041 $\chi^2/\text{NDF}: 178301.8/20$

Left In: -9.956 ± 0.018 $\chi^2/\text{NDF}: 1689839.0/22$

Left: -6.485 ± 0.013 $\chi^2/\text{NDF}: 3156876.8/47$

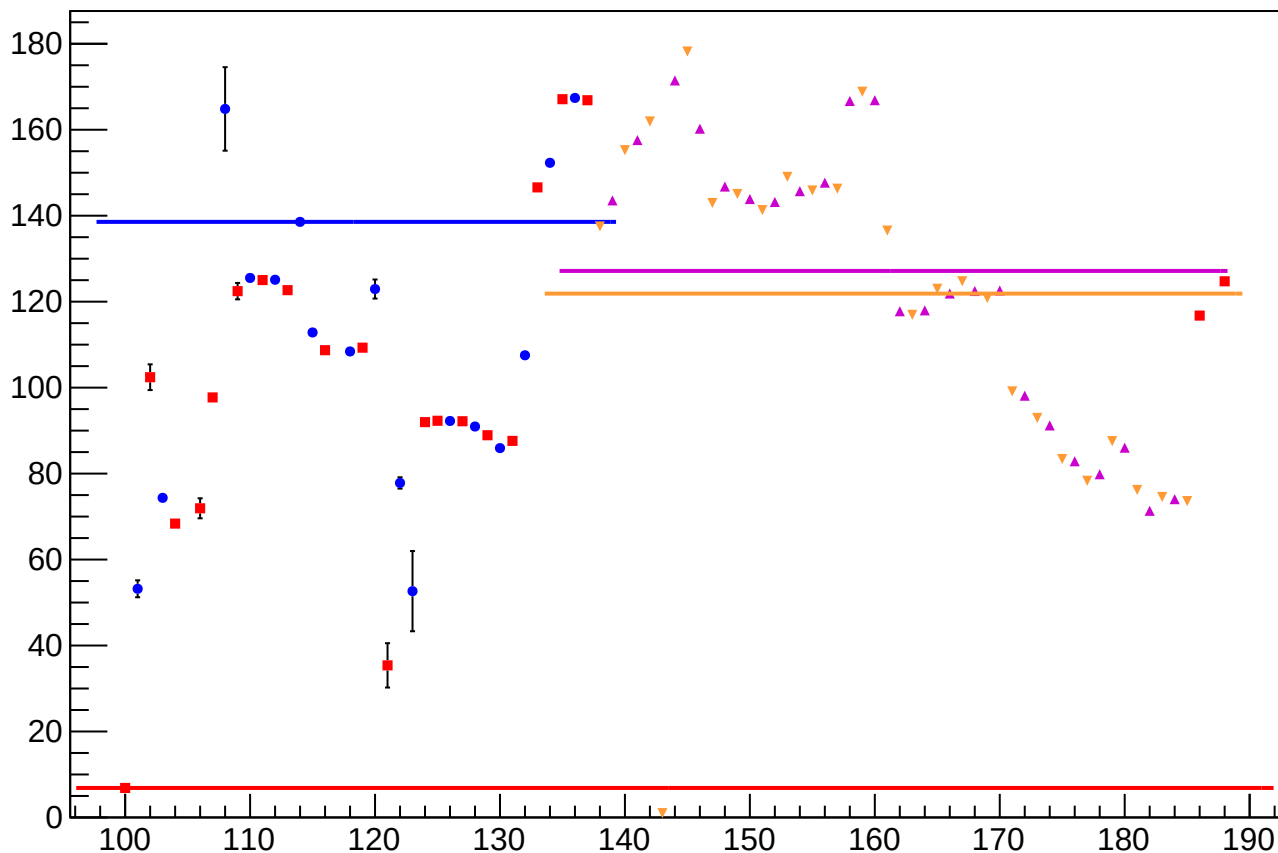
Right: -56.037 ± 0.000 $\chi^2/\text{NDF}: 3165927.6/37$

In: -56.037 ± 0.000 $\chi^2/\text{NDF}: 9499617.9/39$

Out: -3.893 ± 0.016 $\chi^2/\text{NDF}: 1584500.0/45$

All: -56.037 ± 0.000 $\chi^2/\text{NDF}: 21467690.8/85$

dit_atl2_4eY_slope vs Slug, Sign Corrected



Right In: 138.565 $\pm$ 0.000 χ^2/NDF : 901159.7/16

Left Out: 121.875 $\pm$ 0.024 χ^2/NDF : 1617383.6/24

Right Out: 6.866 $\pm$ 0.000 χ^2/NDF : 8313693.1/20

Left In: 127.150 $\pm$ 0.026 χ^2/NDF : 1340248.6/22

Left: 124.317 $\pm$ 0.018 χ^2/NDF : 2979450.2/47

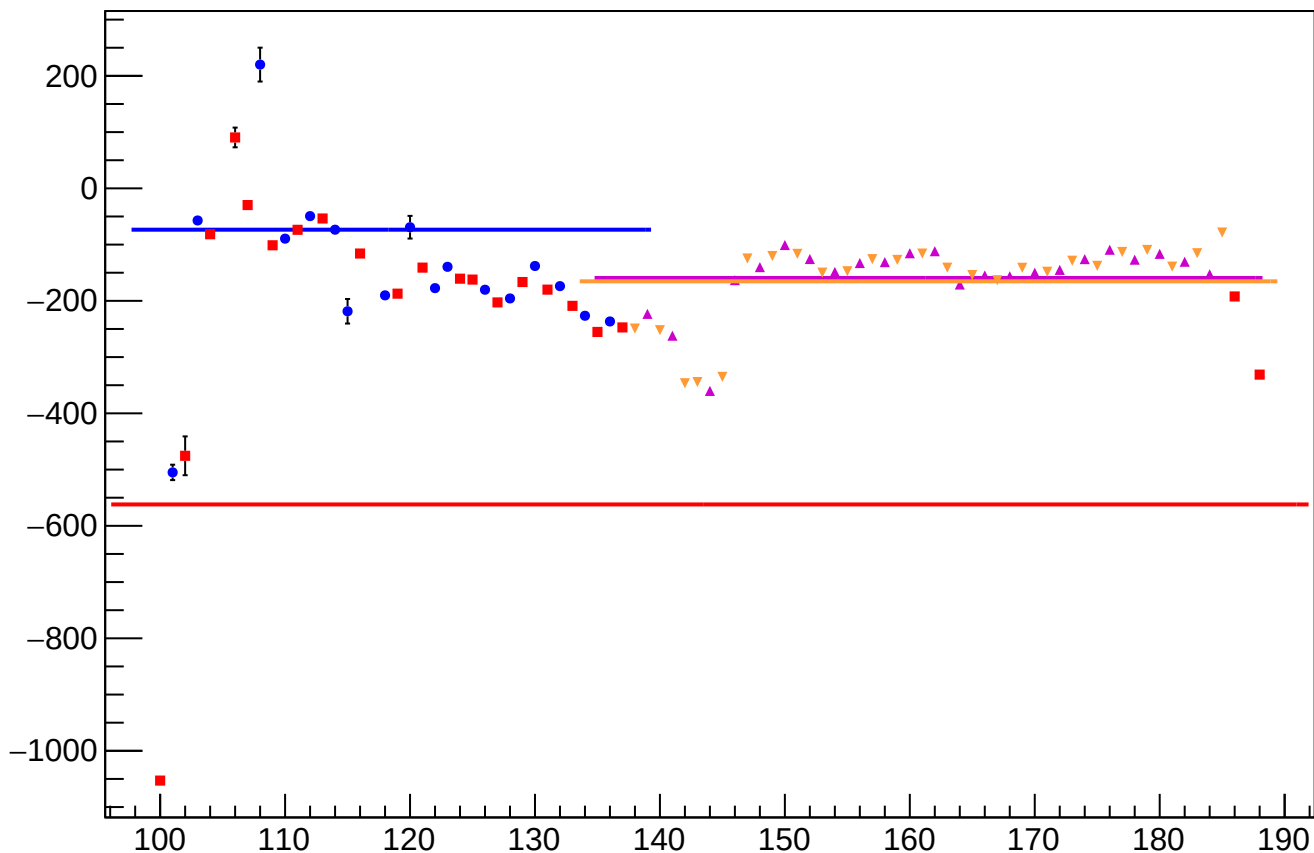
Right: 7.101 $\pm$ 0.000 χ^2/NDF : 23576822681928678

In: 138.565 $\pm$ 0.000 χ^2/NDF : 2431608.8/39

Out: 6.866 $\pm$ 0.000 χ^2/NDF : 32329309.4/45

All: 7.101 $\pm$ 0.000 χ^2/NDF : 23576822681928

dit_atr1_4aX_slope vs Slug, Sign Corrected



Right In: -73.485+/-0.000 χ^2/NDF : 98703.2/16

Left Out: -165.282+/-0.232 χ^2/NDF : 84301.0/24

Right Out: -561.957+/-0.254 χ^2/NDF : 3128353.5/20

Left In: -159.346+/-0.239 χ^2/NDF : 73885.5/22

Left: -162.407+/-0.166 χ^2/NDF : 158504.2/47

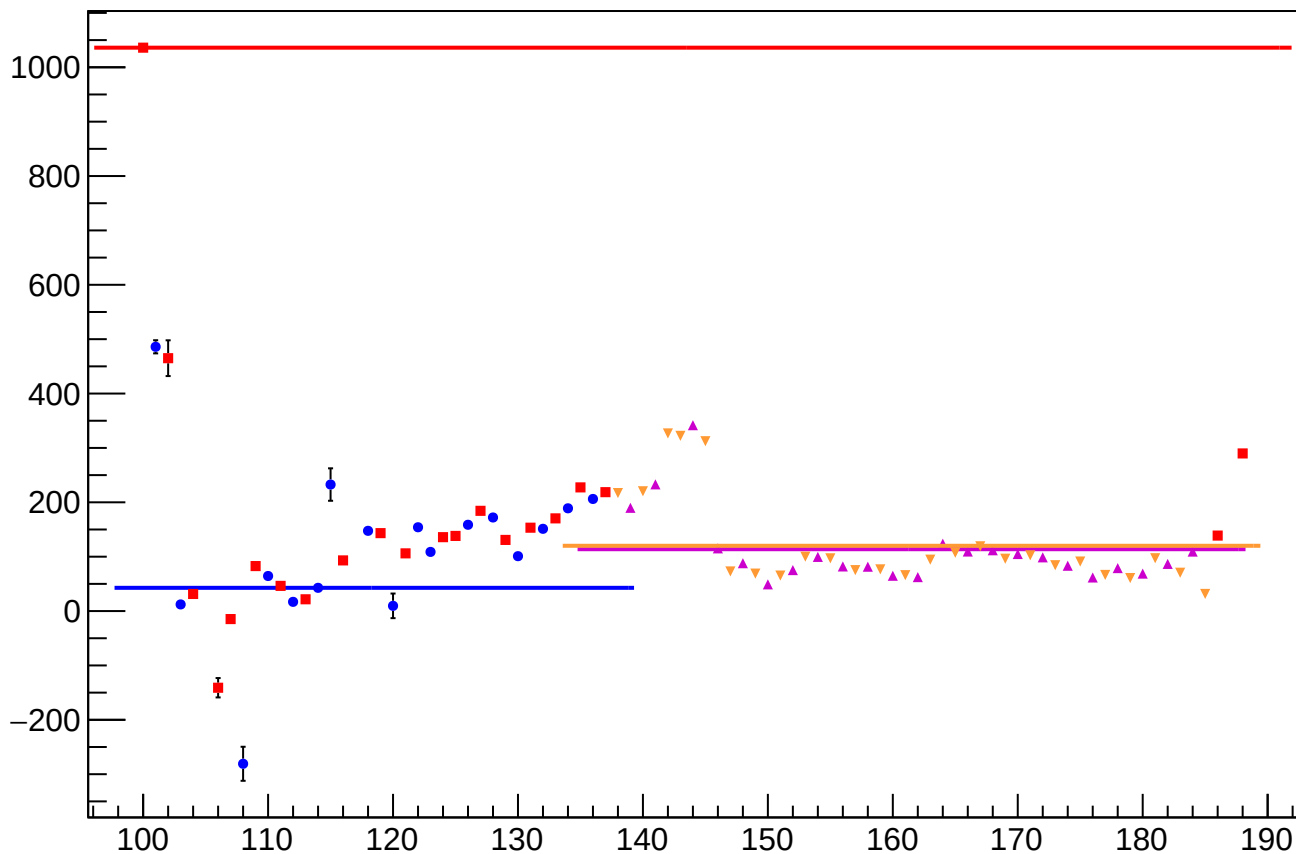
Right: -73.485+/-0.000 χ^2/NDF : 6925954.3/37

In: -73.485+/-0.000 χ^2/NDF : 301494.5/39

Out: -345.489+/-0.171 χ^2/NDF : 4543792.8/45

All: -73.485+/-0.000 χ^2/NDF : 7369961.8/85

dit_atr1_4eX_slope vs Slug, Sign Corrected



Right In: 42.743+/-0.000 χ^2/NDF : 84599.8/16

Left Out: 120.053+/-0.237 χ^2/NDF : 97926.9/24

Right Out: 1036.068+/-0.000 χ^2/NDF : 553585.2/20

Left In: 113.733+/-0.246 χ^2/NDF : 81886.4/22

Left: 117.016+/-0.171 χ^2/NDF : 180155.1/47

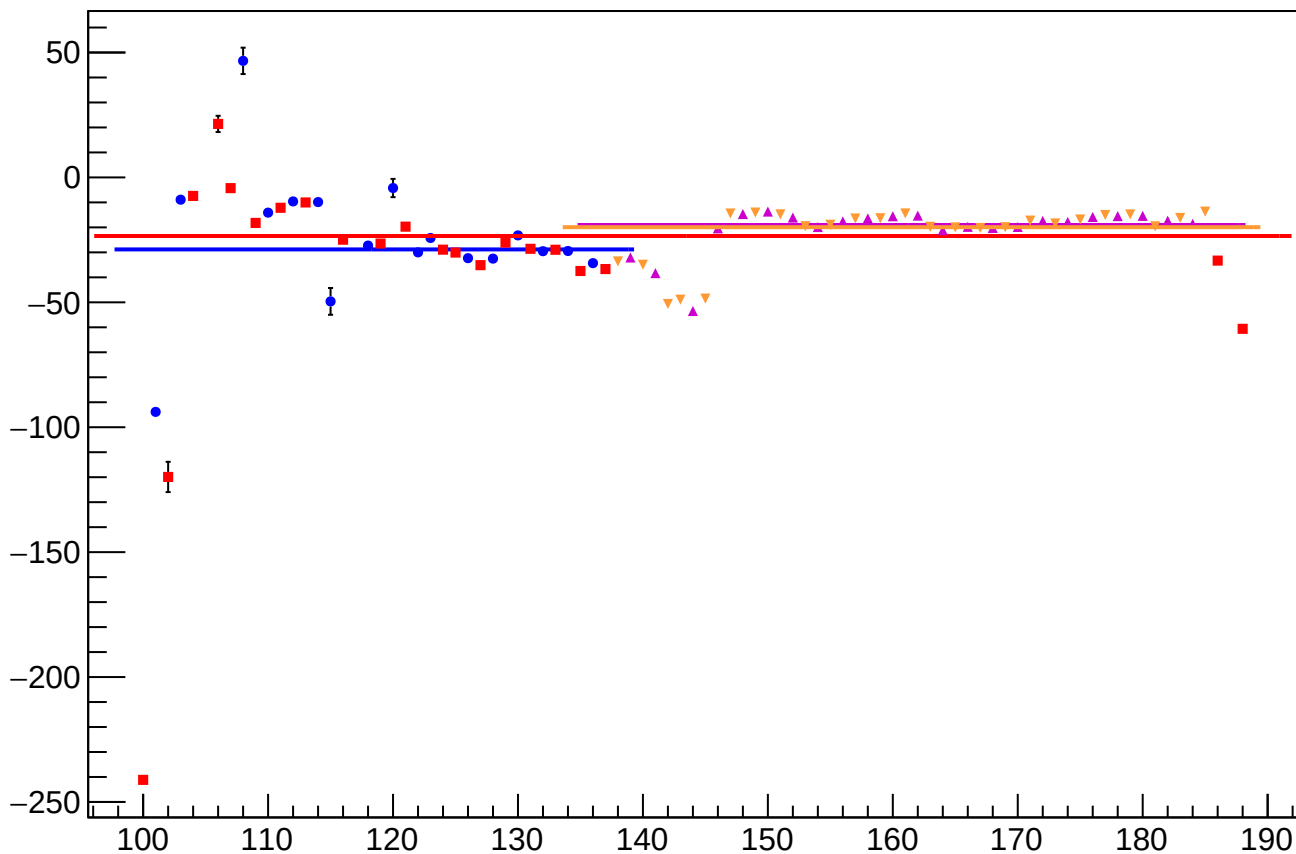
Right: 43.272+/-0.000 χ^2/NDF : 1144517497266833

In: 42.743+/-0.000 χ^2/NDF : 249549.3/39

Out: 1036.068+/-0.000 χ^2/NDF : 20575203.9/45

All: 43.272+/-0.000 χ^2/NDF : 1144517497266

dit_atr1_11X12X_slope vs Slug, Sign Corrected



Right In: -28.822 ± 0.035 $\chi^2/\text{NDF}: 49503.4/16$

Left Out: -19.926 ± 0.012 $\chi^2/\text{NDF}: 374900.2/24$

Right Out: -23.454 ± 0.037 $\chi^2/\text{NDF}: 423172.7/20$

Left In: -19.047 ± 0.014 $\chi^2/\text{NDF}: 214747.8/22$

Left: -19.543 ± 0.009 $\chi^2/\text{NDF}: 591888.6/47$

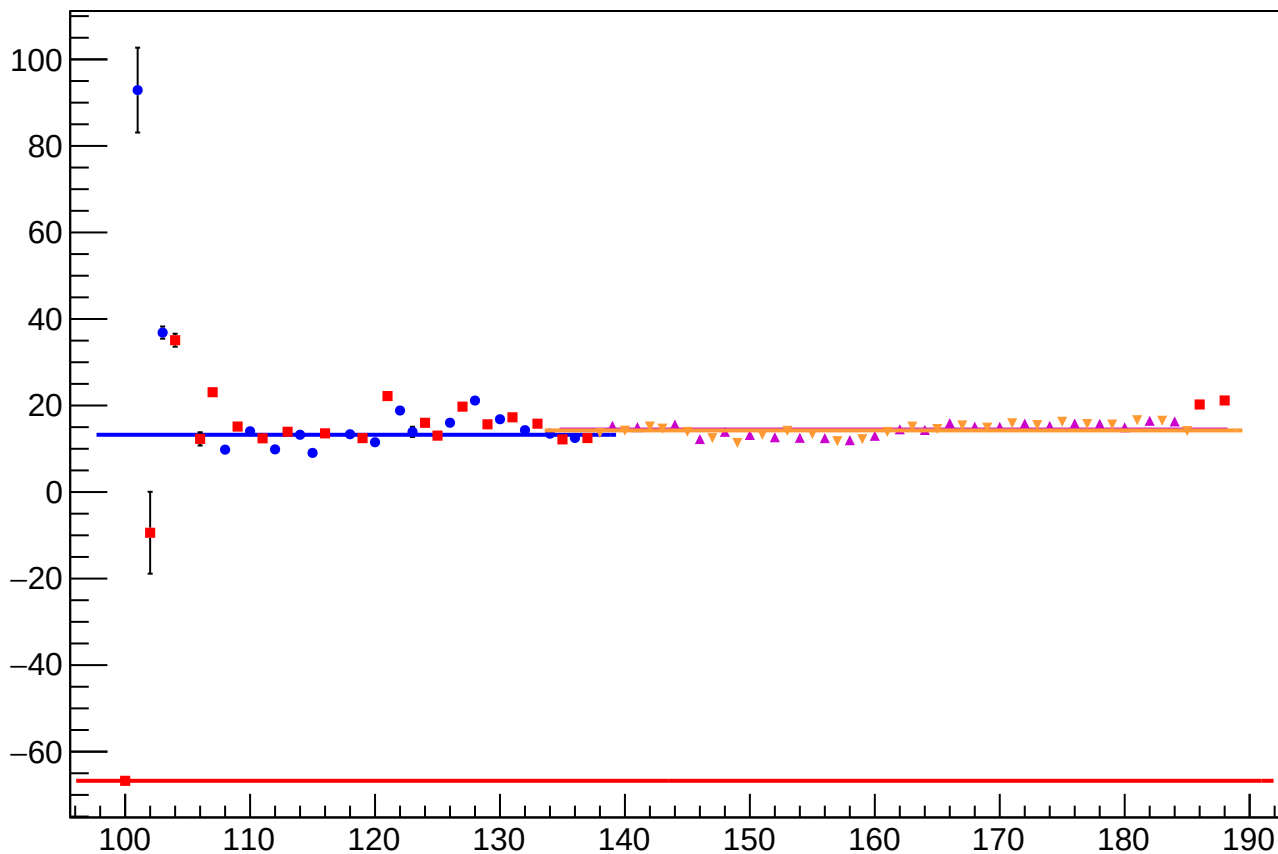
Right: -26.324 ± 0.025 $\chi^2/\text{NDF}: 483789.4/37$

In: -20.404 ± 0.013 $\chi^2/\text{NDF}: 332437.0/39$

Out: -20.271 ± 0.012 $\chi^2/\text{NDF}: 806168.8/45$

All: -20.331 ± 0.009 $\chi^2/\text{NDF}: 1138664.0/85$

dit_atr1_4aY_slope vs Slug, Sign Corrected



Right In: 13.238+/-0.000 χ^2/NDF : 5756.1/16

Left Out: 14.245+/-0.012 χ^2/NDF : 12367.6/24

Right Out: -66.739+/-0.000 χ^2/NDF : 3186899.3/20

Left In: 14.441+/-0.012 χ^2/NDF : 12955.9/22

Left: 14.346+/-0.008 χ^2/NDF : 25459.7/47

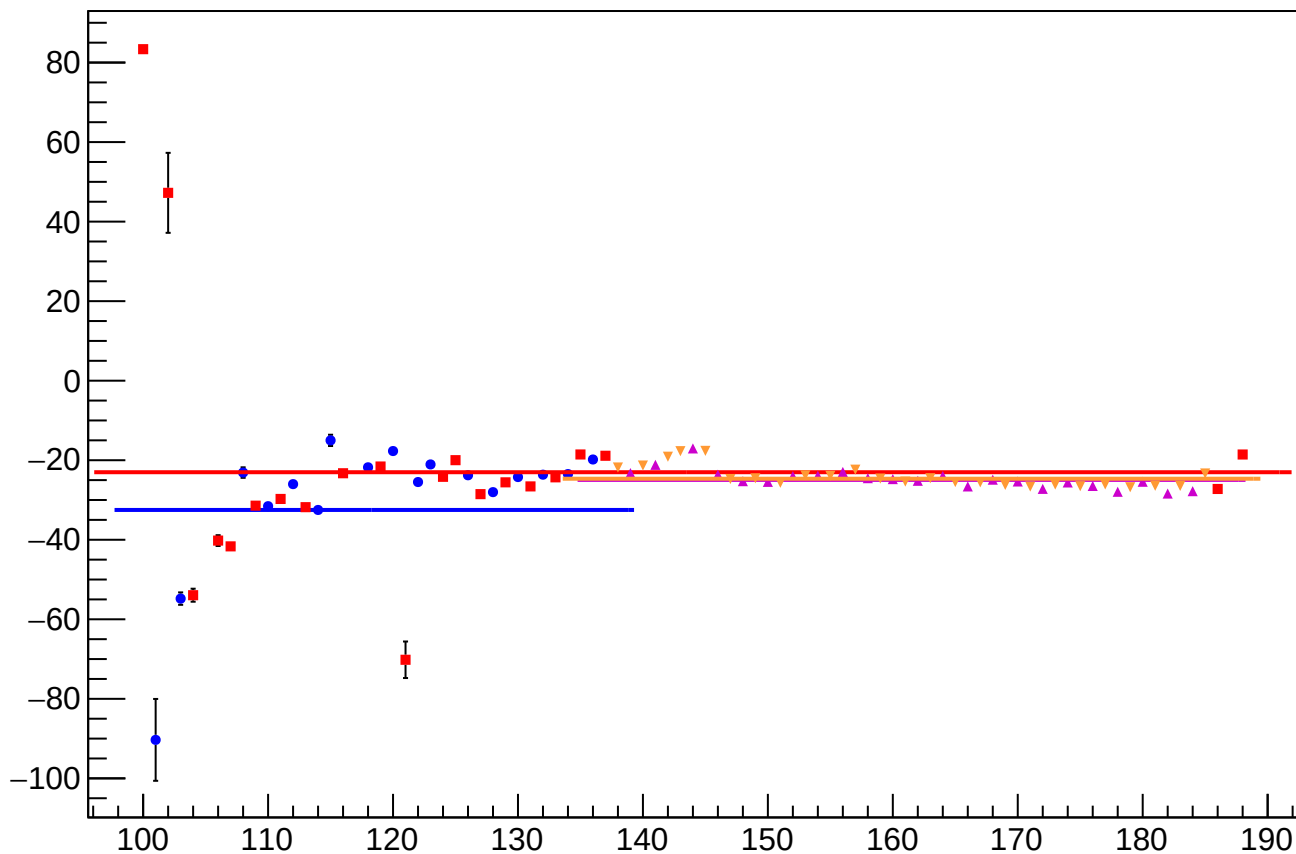
Right: 12.562+/-0.000 χ^2/NDF : 1884310027651005

In: 13.238+/-0.000 χ^2/NDF : 29377.9/39

Out: -66.739+/-0.000 χ^2/NDF : 48846645.8/45

All: 12.562+/-0.000 χ^2/NDF : 1884310027651

dit_atr1_4eY_slope vs Slug, Sign Corrected



Right In: -32.504 ± 0.000 χ^2/NDF : 74187.4/16

Left Out: -24.652 ± 0.015 χ^2/NDF : 23058.0/24

Right Out: -23.017 ± 0.047 χ^2/NDF : 91093.6/20

Left In: -24.948 ± 0.015 χ^2/NDF : 14049.6/22

Left: -24.798 ± 0.011 χ^2/NDF : 37300.4/47

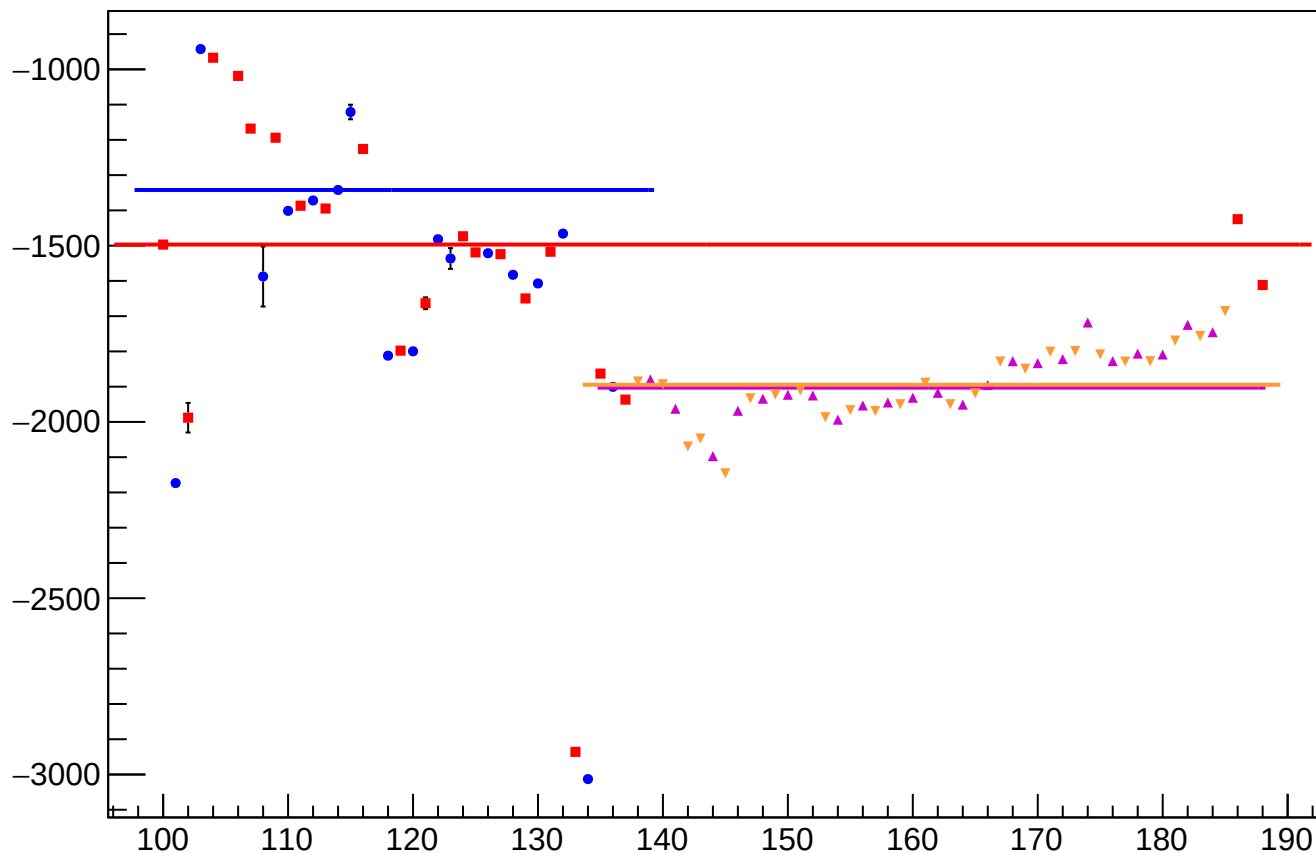
Right: -32.504 ± 0.000 χ^2/NDF : 206525.1/37

In: -32.504 ± 0.000 χ^2/NDF : 336138.3/39

Out: -24.500 ± 0.014 χ^2/NDF : 115262.9/45

All: -32.504 ± 0.000 χ^2/NDF : 766863.9/85

dit_atr2_4aX_slope vs Slug, Sign Corrected



Right In: -1342.107 ± 0.000 $\chi^2/\text{NDF}: 370901.4/16$

Left Out: -1894.646 ± 0.318 $\chi^2/\text{NDF}: 67387.8/24$

Right Out: -1496.932 ± 0.000 $\chi^2/\text{NDF}: 509875.1/20$

Left In: -1902.803 ± 0.289 $\chi^2/\text{NDF}: 69208.9/22$

Left: -1899.114 ± 0.214 $\chi^2/\text{NDF}: 136957.6/47$

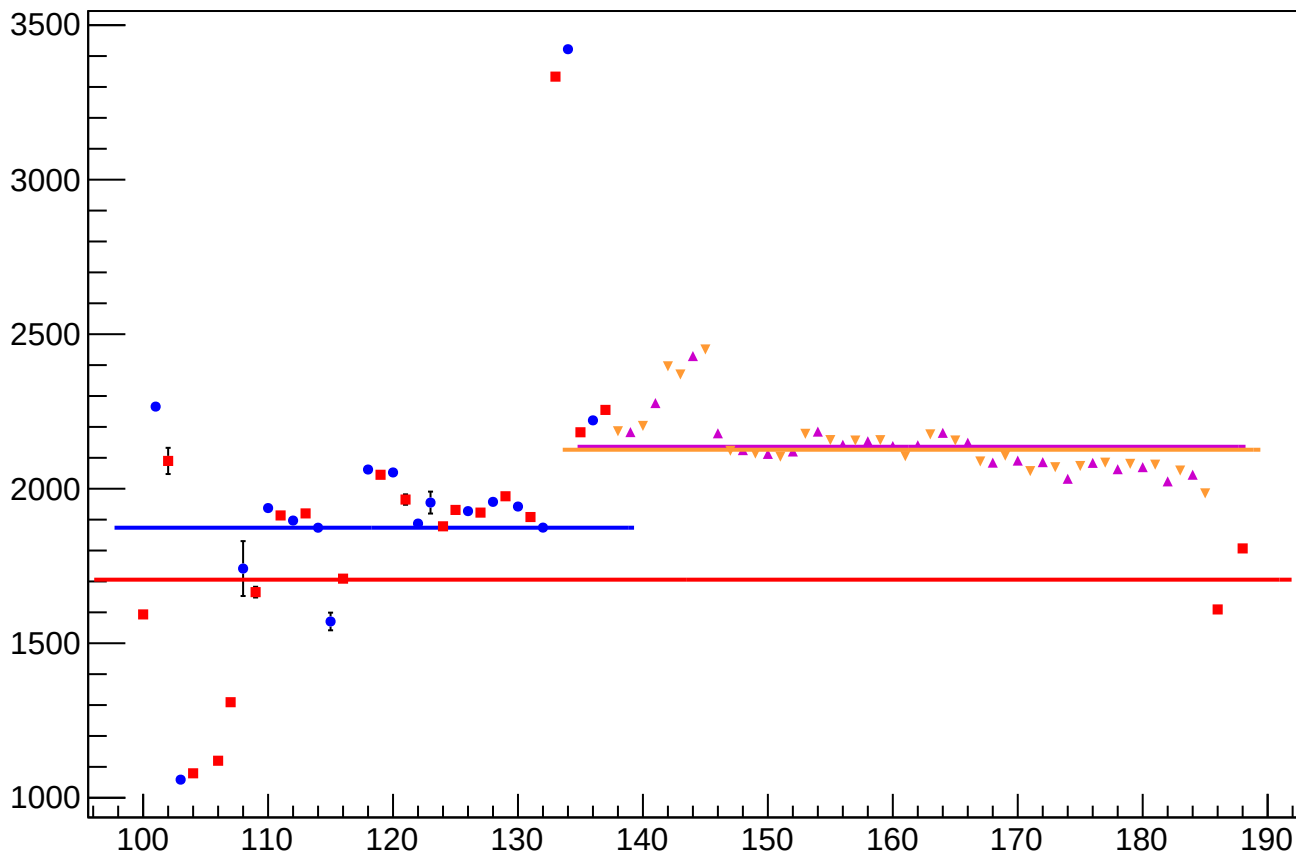
Right: -1396.751 ± 0.000 $\chi^2/\text{NDF}: 1800086126/63$

In: -1342.107 ± 0.000 $\chi^2/\text{NDF}: 4210196.7/39$

Out: -1496.932 ± 0.000 $\chi^2/\text{NDF}: 2143644.6/45$

All: -1396.751 ± 0.000 $\chi^2/\text{NDF}: 1800086126/63$

dit_atr2_4eX_slope vs Slug, Sign Corrected



Right In: 1873.852 $\pm$ 0.000 χ^2/NDF : 201563.9/16

Left Out: 2126.160 $\pm$ 0.317 χ^2/NDF : 48244.0/24

Right Out: 1705.722 $\pm$ 0.294 χ^2/NDF : 843834.0/20

Left In: 2135.770 $\pm$ 0.290 χ^2/NDF : 58031.3/22

Left: 2131.403 $\pm$ 0.214 χ^2/NDF : 106775.9/47

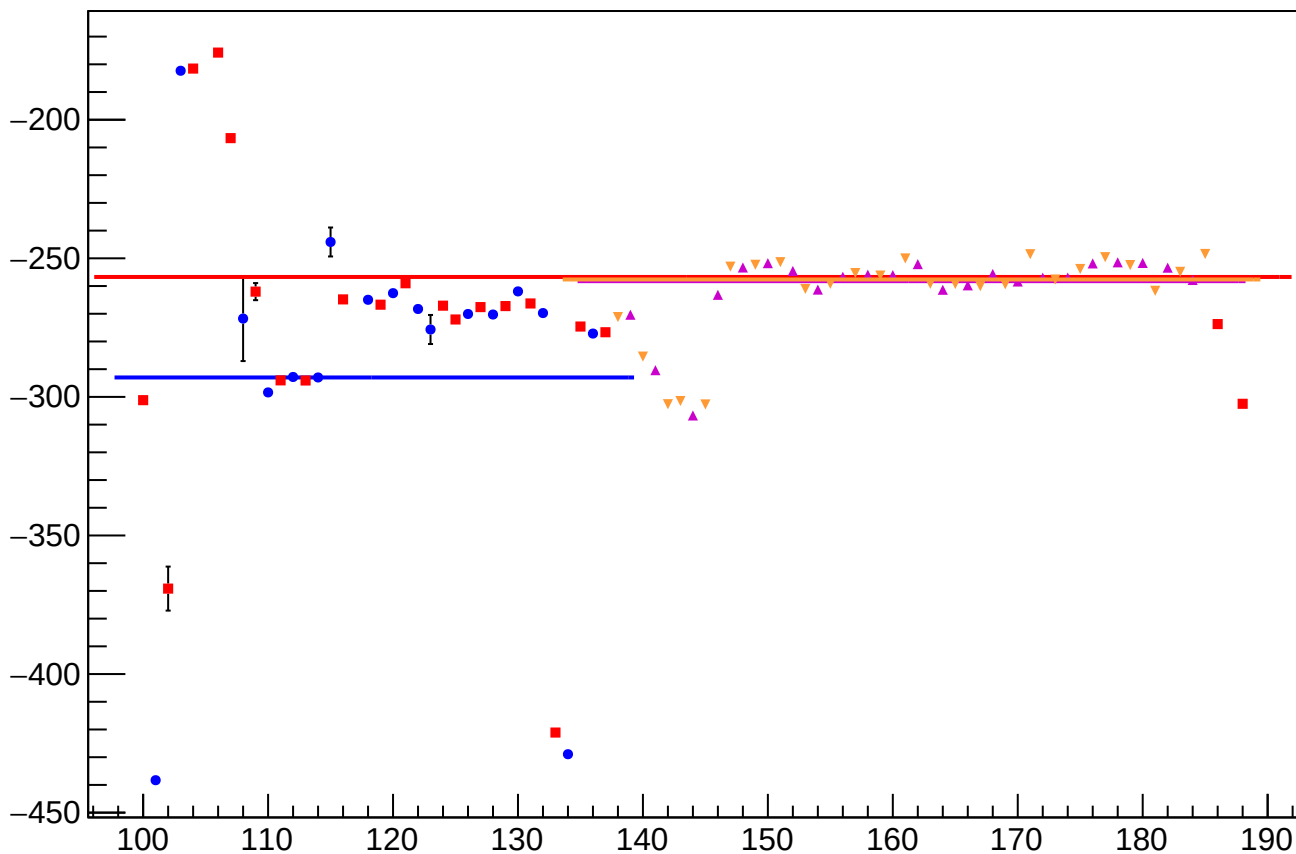
Right: 1873.852 $\pm$ 0.000 χ^2/NDF : 1371765.4/37

In: 1873.852 $\pm$ 0.000 χ^2/NDF : 1078041.8/39

Out: 1900.164 $\pm$ 0.216 χ^2/NDF : 1835942.3/45

All: 1873.852 $\pm$ 0.000 χ^2/NDF : 2928854.9/85

dit_atr2_11X12X_slope vs Slug, Sign Corrected



Right In: -292.986+/-0.000 χ^2/NDF : 1015592.4/16

Left Out: -257.631+/-0.020 χ^2/NDF : 226942.0/24

Right Out: -256.726+/-0.056 χ^2/NDF : 530100.7/20

Left In: -258.240+/-0.017 χ^2/NDF : 268186.3/22

Left: -257.974+/-0.013 χ^2/NDF : 495658.2/47

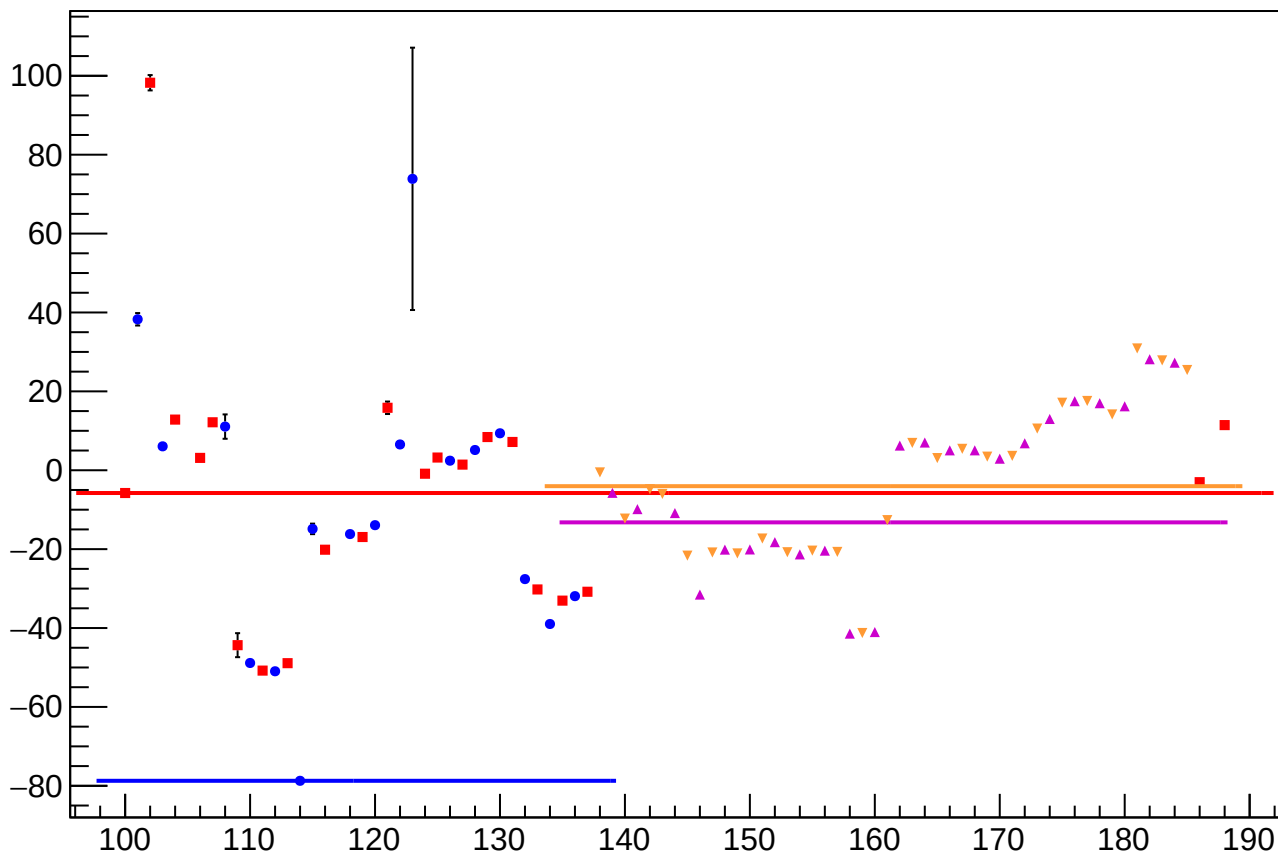
Right: -292.986+/-0.000 χ^2/NDF : 1959770.2/37

In: -292.986+/-0.000 χ^2/NDF : 5230427.2/39

Out: -257.531+/-0.019 χ^2/NDF : 757272.3/45

All: -292.986+/-0.000 χ^2/NDF : 9571532.8/85

dit_atr2_4aY_slope vs Slug, Sign Corrected



Right In: -78.728 ± 0.000 $\chi^2/\text{NDF}: 1399088.3/16$

Left Out: -4.036 ± 0.017 $\chi^2/\text{NDF}: 1369619.3/24$

Right Out: -5.769 ± 0.000 $\chi^2/\text{NDF}: 115501.9/20$

Left In: -13.213 ± 0.017 $\chi^2/\text{NDF}: 1356033.4/22$

Left: -8.666 ± 0.012 $\chi^2/\text{NDF}: 2871427.0/47$

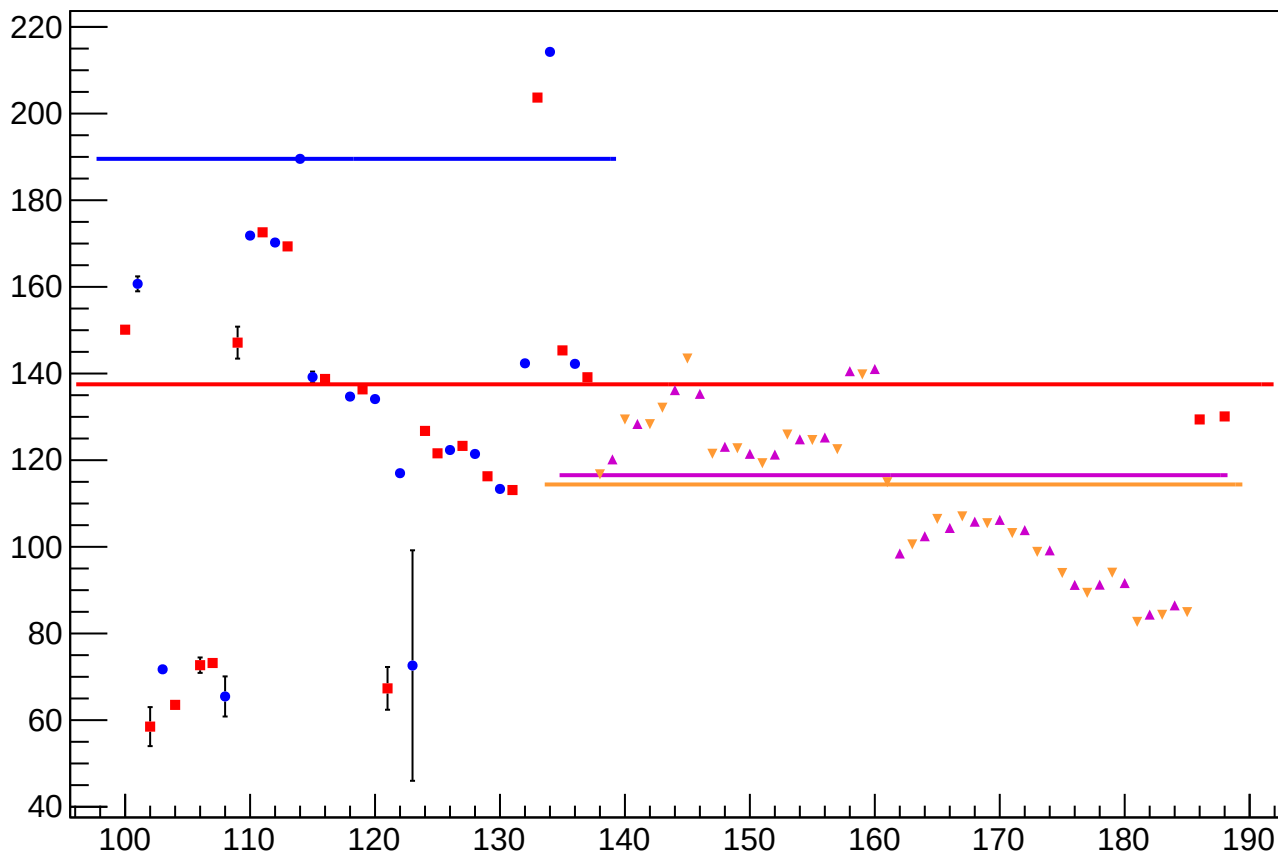
Right: -6.288 ± 0.000 $\chi^2/\text{NDF}: 2878797679293380$

In: -78.728 ± 0.000 $\chi^2/\text{NDF}: 17751896.7/39$

Out: -5.769 ± 0.000 $\chi^2/\text{NDF}: 1495433.3/45$

All: -6.288 ± 0.000 $\chi^2/\text{NDF}: 2878797679293$

dit_atr2_4eY_slope vs Slug, Sign Corrected



Right In: 189.551 $\pm$ 0.000 χ^2 /NDF: 927391.8/16

Left Out: 114.395 $\pm$ 0.023 χ^2 /NDF:434871.2/24

Right Out: 137.511 $\pm$ 0.057 χ^2 /NDF: 118487.9/20

Left In: 116.538 $\pm$ 0.024 χ^2 /NDF:458128.6/22

Left: 115.418 $\pm$ 0.016 χ^2 /NDF: 897301.5/47

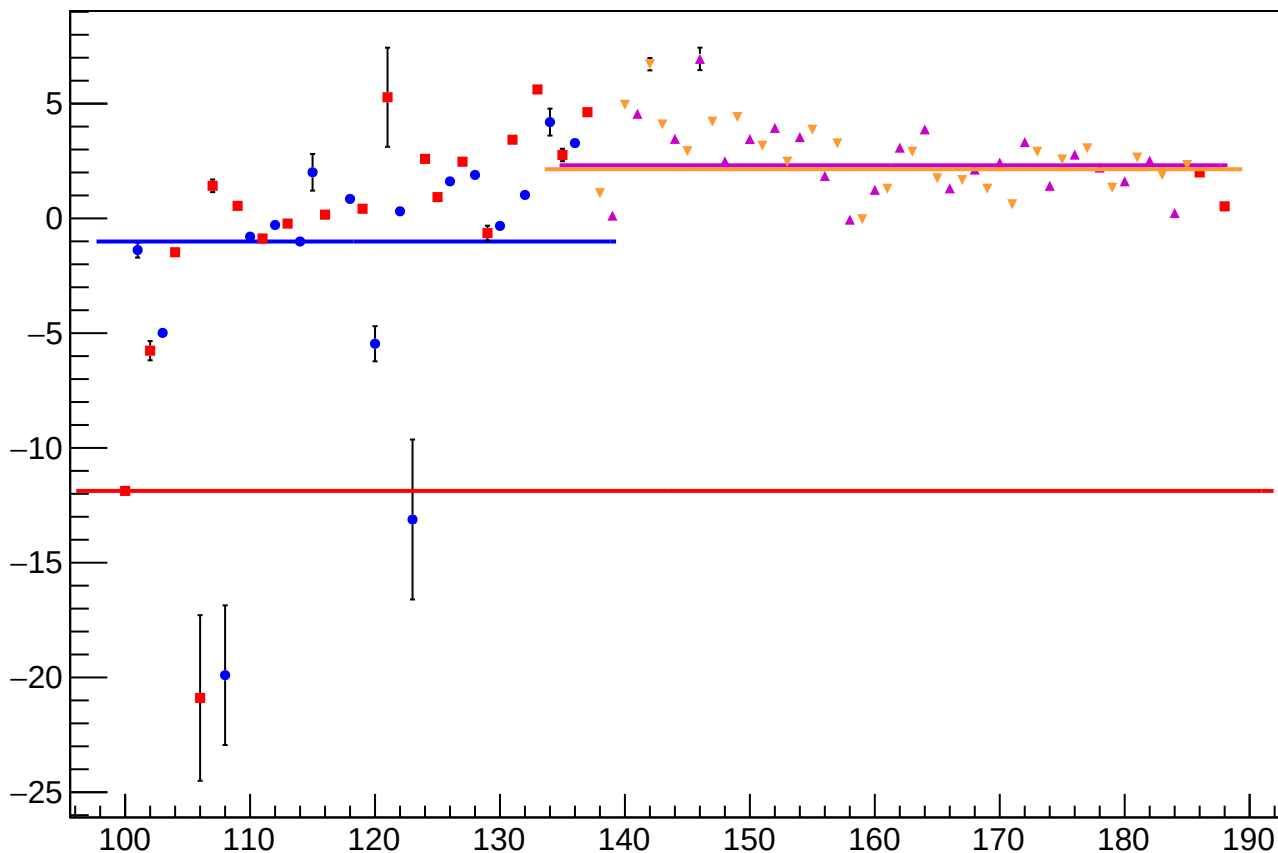
Right: 189.551 $\pm$ 0.000 χ^2 /NDF: 1872655.8/37

In: 189.551 $\pm$ 0.000 χ^2 /NDF:10947333.0/39

Out: 117.507 $\pm$ 0.021 χ^2 /NDF:694535.1/45

All: 189.551 $\pm$ 0.000 χ^2 /NDF: 23413724.1/85

dit_sam1_4aX_slope vs Slug, Sign Corrected



Right In: -1.007 ± 0.000 χ^2/NDF : 7057.7/16

Left Out: 2.143 ± 0.015 χ^2/NDF : 6585.0/24

Right Out: -11.872 ± 0.000 χ^2/NDF : 586164.9/20

Left In: 2.313 ± 0.014 χ^2/NDF : 7446.3/22

Left: 2.231 ± 0.010 χ^2/NDF : 14101.5/47

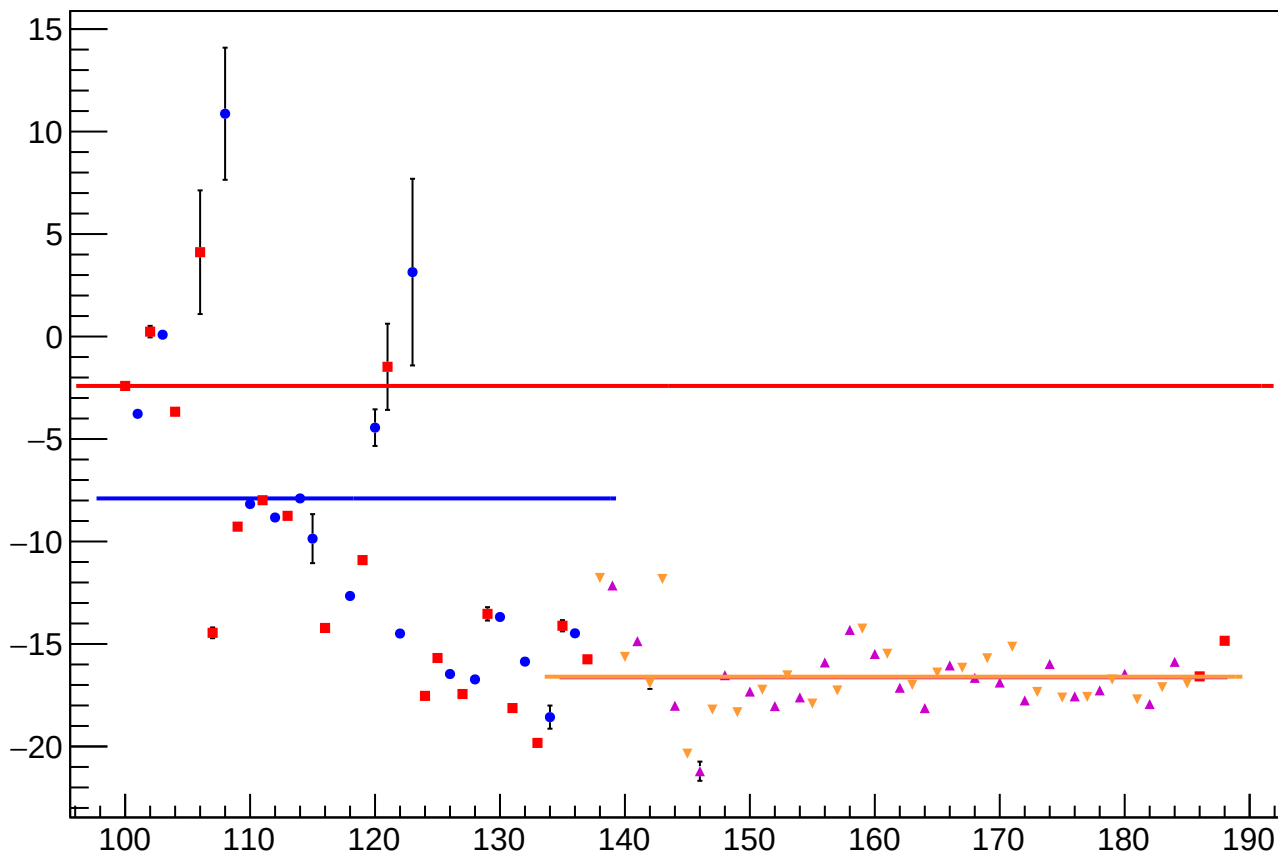
Right: -1.365 ± 0.000 χ^2/NDF : 2170760676638215

In: -1.007 ± 0.000 χ^2/NDF : 70228.0/39

Out: -11.872 ± 0.000 χ^2/NDF : 1507982.0/45

All: -1.365 ± 0.000 χ^2/NDF : 2170760676638

dit_sam1_4eX_slope vs Slug, Sign Corrected



Right In: -7.899 ± 0.000 χ^2/NDF : 39443.5/16

Left Out: -16.595 ± 0.014 χ^2/NDF : 8432.7/24

Right Out: -2.410 ± 0.000 χ^2/NDF : 303748.4/20

Left In: -16.625 ± 0.015 χ^2/NDF : 6289.5/22

Left: -16.610 ± 0.010 χ^2/NDF : 14724.4/47

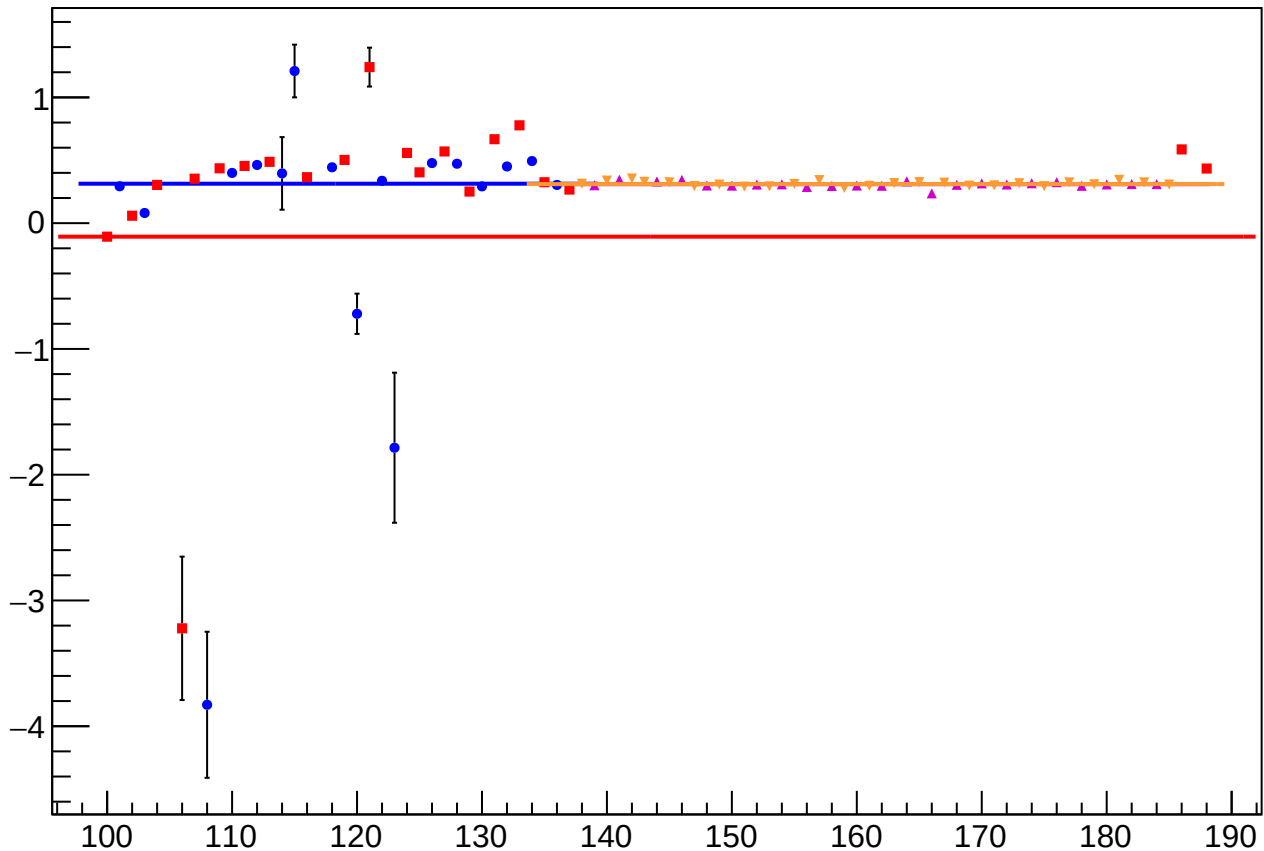
Right: -4.135 ± 0.000 χ^2/NDF : 2879850560728951

In: -7.899 ± 0.000 χ^2/NDF : 398540.8/39

Out: -2.410 ± 0.000 χ^2/NDF : 1285445.5/45

All: -4.135 ± 0.000 χ^2/NDF : 2879850560728

dit_sam1_11X12X_slope vs Slug, Sign Corrected



Right In: 0.314 ± 0.001 $\chi^2/\text{NDF}: 2748.0/16$

Left Out: 0.311 ± 0.000 $\chi^2/\text{NDF}: 4975.7/24$

Right Out: -0.107 ± 0.000 $\chi^2/\text{NDF}: 229008.3/20$

Left In: 0.310 ± 0.000 $\chi^2/\text{NDF}: 3074.6/22$

Left: 0.310 ± 0.000 $\chi^2/\text{NDF}: 8056.7/47$

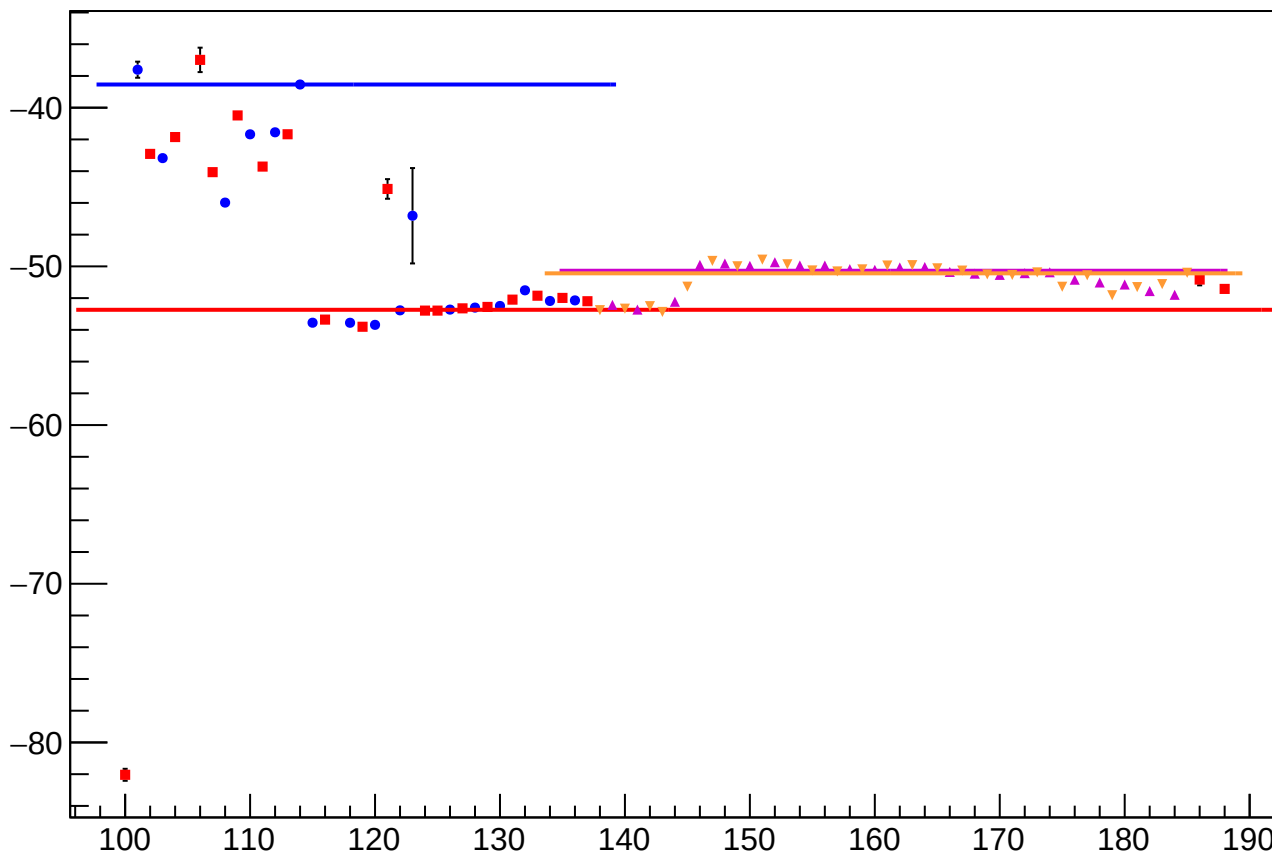
Right: -0.107 ± 0.000 $\chi^2/\text{NDF}: 418102.4/37$

In: 0.310 ± 0.000 $\chi^2/\text{NDF}: 5837.0/39$

Out: -0.107 ± 0.000 $\chi^2/\text{NDF}: 3671258.4/45$

All: -0.107 ± 0.000 $\chi^2/\text{NDF}: 7165878.2/85$

dit_sam1_4aY_slope vs Slug, Sign Corrected



Right In: -38.539 ± 0.000 χ^2/NDF : 14950854.6/16

Left Out: -50.438 ± 0.001 χ^2/NDF : 299897.3/24

Right Out: -52.736 ± 0.002 χ^2/NDF : 87839.8/20

Left In: -50.276 ± 0.001 χ^2/NDF : 190236.3/22

Left: -50.350 ± 0.001 χ^2/NDF : 497837.6/47

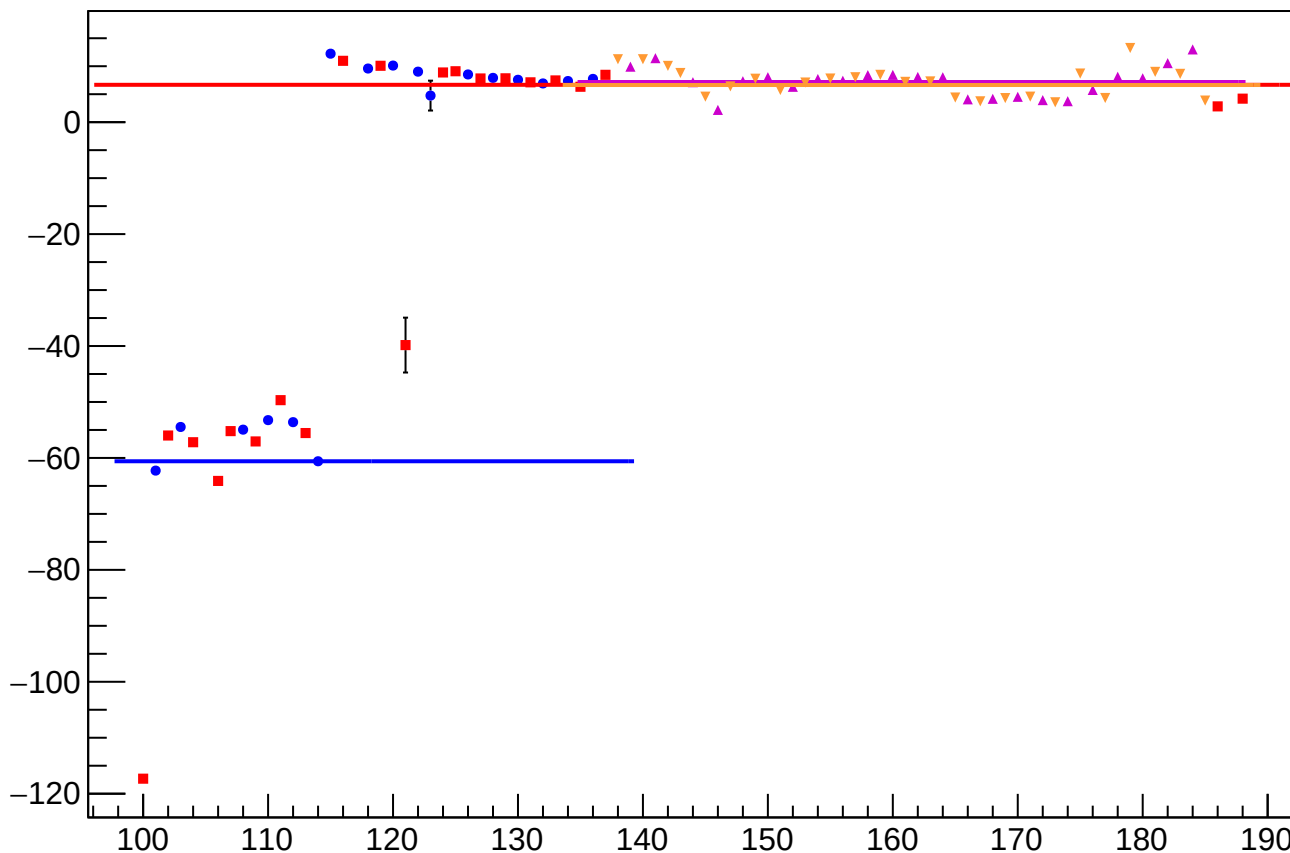
Right: -38.539 ± 0.000 χ^2/NDF : 72138574.2/37

In: -38.539 ± 0.000 χ^2/NDF : 103109915.6/39

Out: -51.235 ± 0.001 χ^2/NDF : 1364406.3/45

All: -38.539 ± 0.000 χ^2/NDF : 236176861.7/8

dit_sam1_4eY_slope vs Slug, Sign Corrected



Right In: -60.594 ± 0.000 $\chi^2/\text{NDF}: 26122838.1/16$

Left Out: 6.641 ± 0.004 $\chi^2/\text{NDF}: 340462.4/24$

Right Out: 6.677 ± 0.011 $\chi^2/\text{NDF}: 1268122.2/20$

Left In: 7.179 ± 0.003 $\chi^2/\text{NDF}: 214127.6/22$

Left: 6.926 ± 0.003 $\chi^2/\text{NDF}: 565961.5/47$

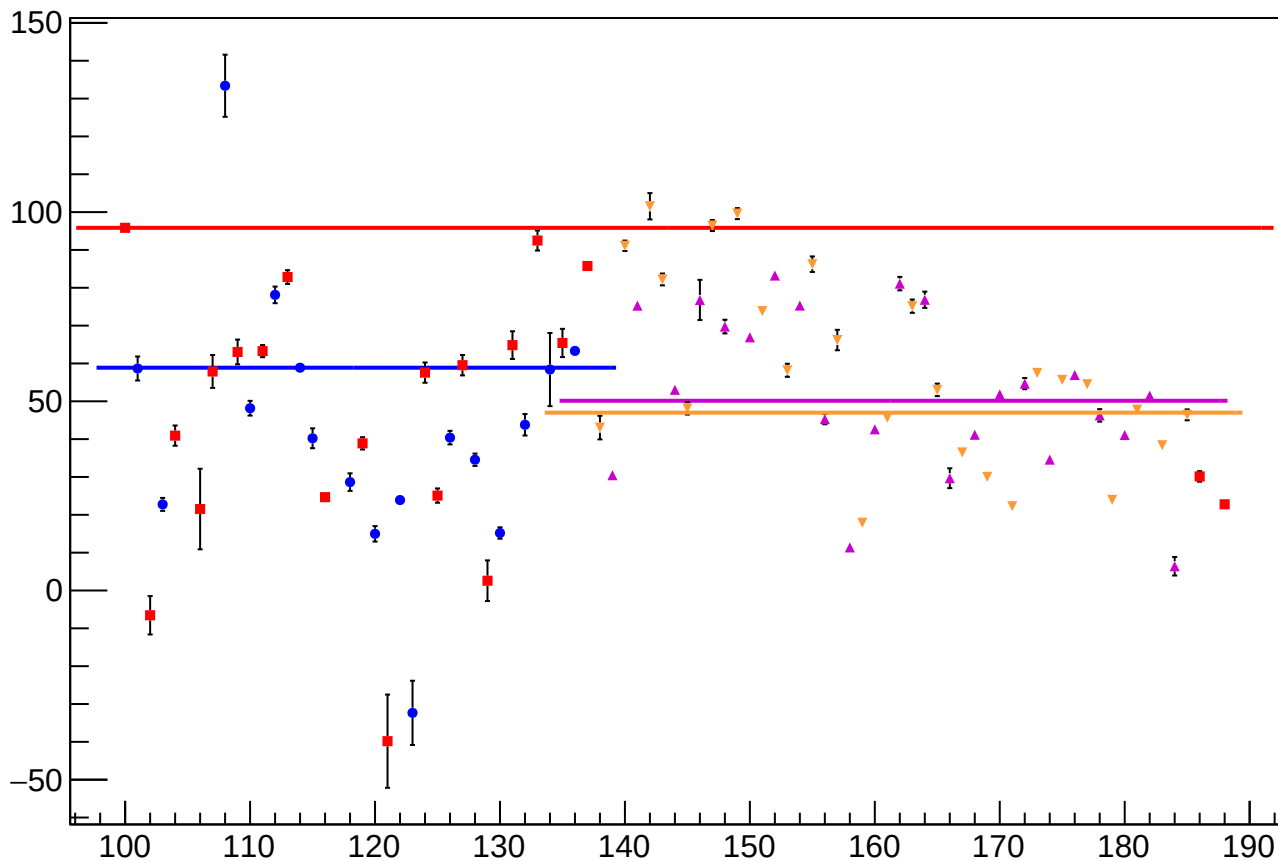
Right: -60.594 ± 0.000 $\chi^2/\text{NDF}: 65755120.0/37$

In: -60.594 ± 0.000 $\chi^2/\text{NDF}: 410193700.0/39$

Out: 6.644 ± 0.003 $\chi^2/\text{NDF}: 1608594.9/45$

All: -60.594 ± 0.000 $\chi^2/\text{NDF}: 784231572.4/8$

dit_sam2_4aX_slope vs Slug, Sign Corrected



Right In: 58.880 $\pm$ 0.000 χ^2 /NDF: 3814.7/16

Left Out: 46.995 $\pm$ 0.215 χ^2 /NDF:9203.7/24

Right Out: 95.846 $\pm$ 0.000 χ^2 /NDF: 60245.0/20

Left In: 50.144 $\pm$ 0.212 χ^2 /NDF:6667.7/22

Left: 48.595 $\pm$ 0.151 χ^2 /NDF: 15980.5/47

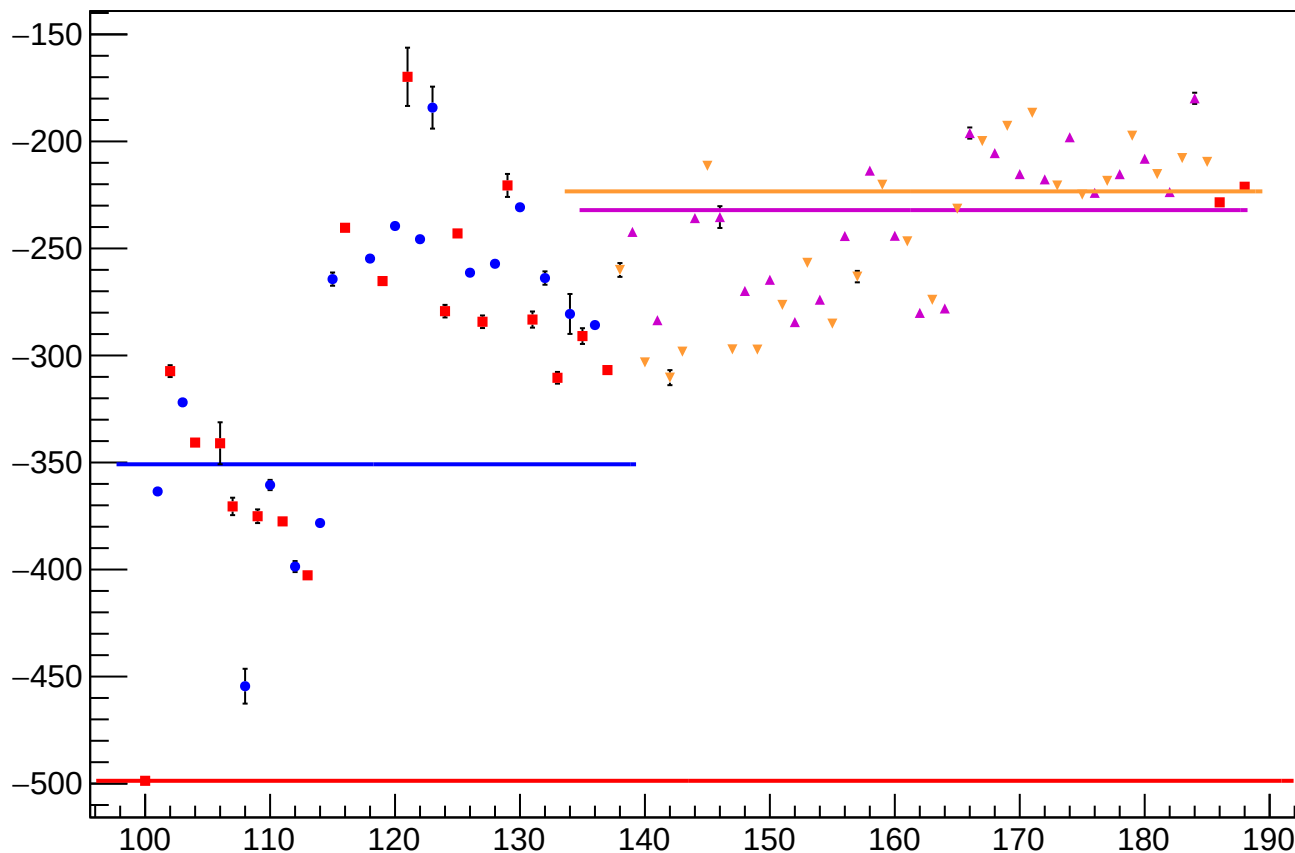
Right: 60.098 $\pm$ 0.000 χ^2 /NDF: 9815233945666380

In: 58.880 $\pm$ 0.000 χ^2 /NDF:12188.3/39

Out: 95.846 $\pm$ 0.000 χ^2 /NDF:121089.5/45

All: 60.098 $\pm$ 0.000 χ^2 /NDF: 9815233945666

dit_sam2_4eX_slope vs Slug, Sign Corrected



Right In: -350.833 ± 0.245 $\chi^2/\text{NDF}: 41301.1/16$

Left Out: -223.342 ± 0.215 $\chi^2/\text{NDF}: 22293.9/24$

Right Out: -498.692 ± 0.000 $\chi^2/\text{NDF}: 837418.5/20$

Left In: -232.094 ± 0.217 $\chi^2/\text{NDF}: 17468.1/22$

Left: -227.678 ± 0.153 $\chi^2/\text{NDF}: 40579.8/47$

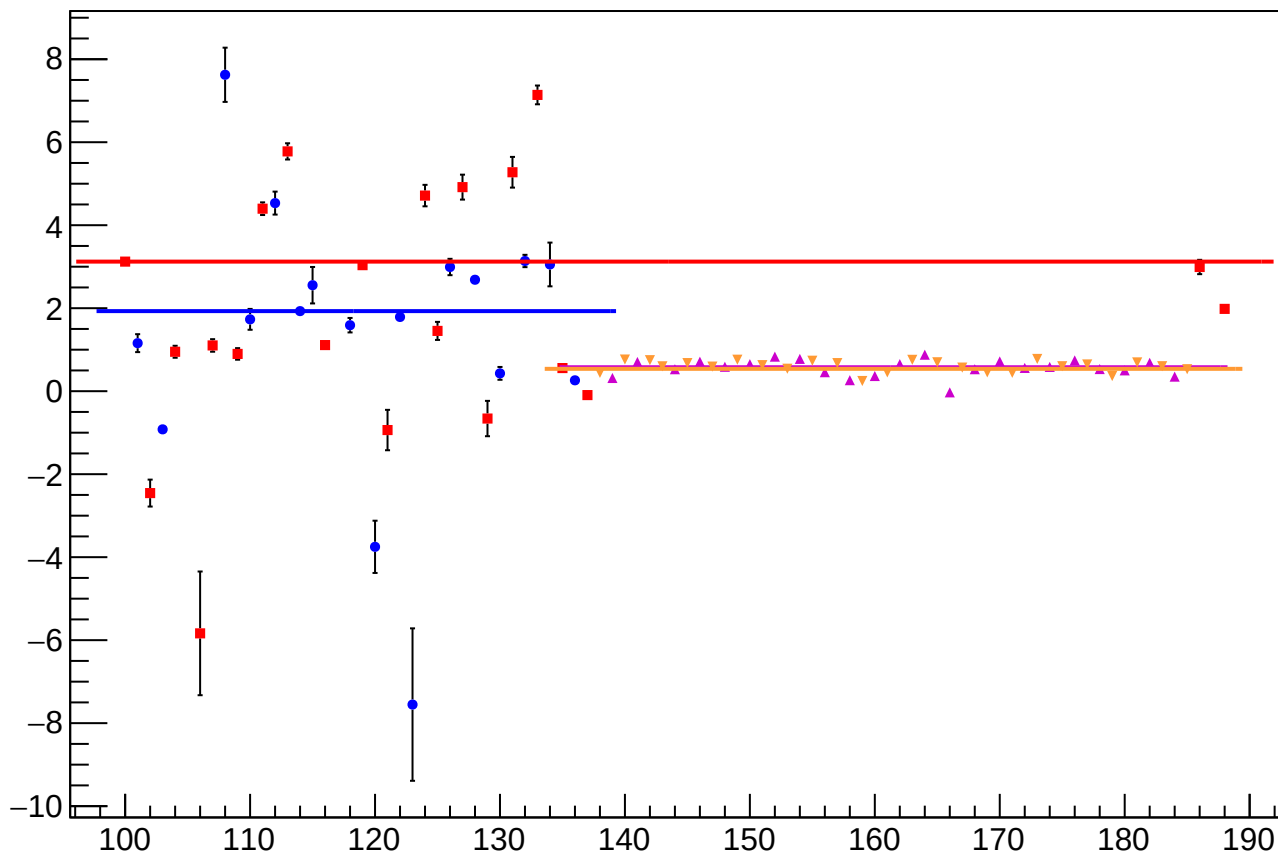
Right: -498.692 ± 0.000 $\chi^2/\text{NDF}: 1244328.5/37$

In: -284.516 ± 0.162 $\chi^2/\text{NDF}: 190454.9/39$

Out: -498.692 ± 0.000 $\chi^2/\text{NDF}: 2493375.7/45$

All: -498.692 ± 0.000 $\chi^2/\text{NDF}: 4421413.5/85$

dit_sam2_11X12X_slope vs Slug, Sign Corrected



Right In: 1.930 ± 0.000 χ^2/NDF : 59970.9/16

Left Out: 0.539 ± 0.002 χ^2/NDF : 10792.6/24

Right Out: 3.123 ± 0.000 χ^2/NDF : 512815.3/20

Left In: 0.577 ± 0.001 χ^2/NDF : 15533.6/22

Left: 0.561 ± 0.001 χ^2/NDF : 26629.0/47

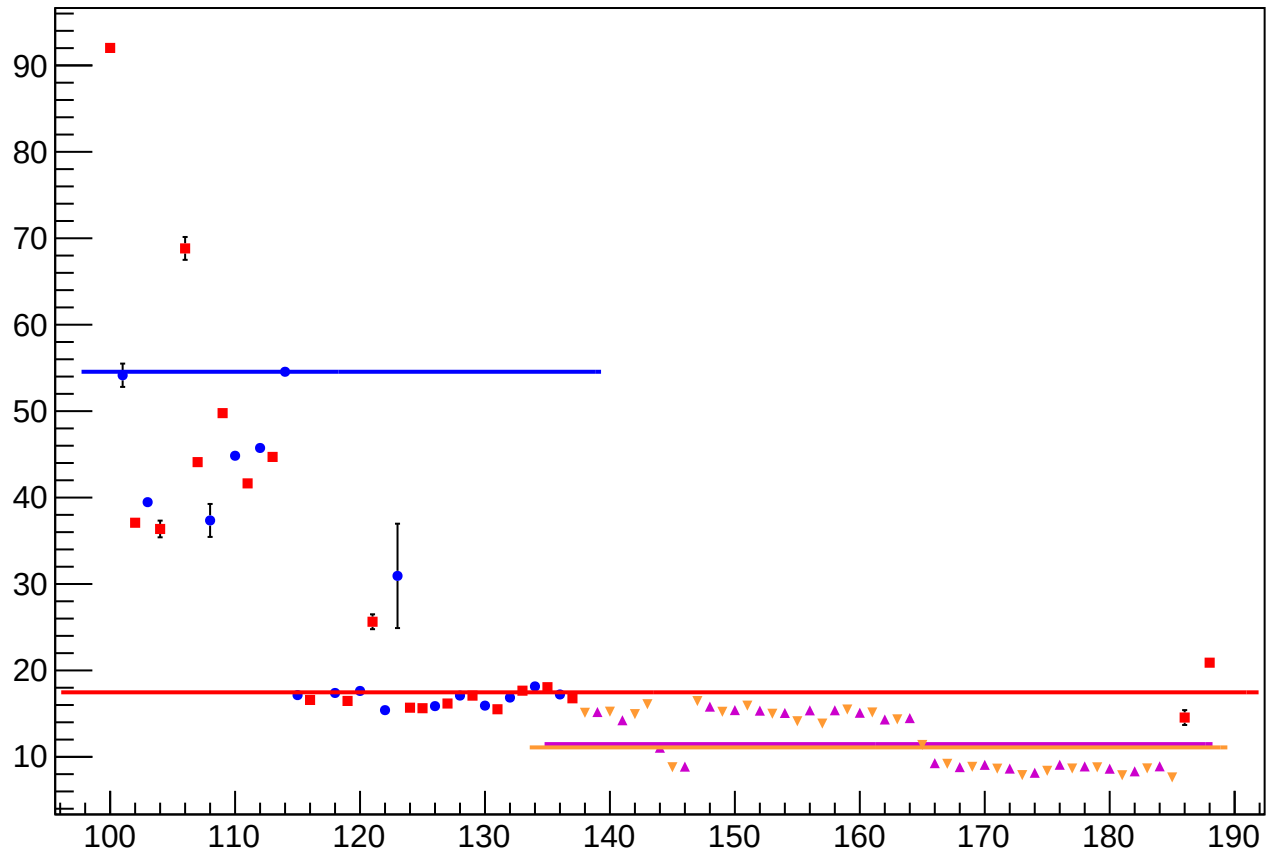
Right: 2.073 ± 0.000 χ^2/NDF : 38099534578085305

In: 1.930 ± 0.000 χ^2/NDF : 944701.6/39

Out: 3.123 ± 0.000 χ^2/NDF : 2908651.0/45

All: 2.073 ± 0.000 χ^2/NDF : 38099534578085305

dit_sam2_4aY_slope vs Slug, Sign Corrected



Right In: 54.556+/-0.000 χ^2/NDF : 7238433.0/16

Left Out: 11.095+/-0.005 χ^2/NDF : 381518.3/24

Right Out: 17.467+/-0.018 χ^2/NDF : 99426.5/20

Left In: 11.477+/-0.005 χ^2/NDF : 381285.2/22

Left: 11.291+/-0.004 χ^2/NDF : 765409.6/47

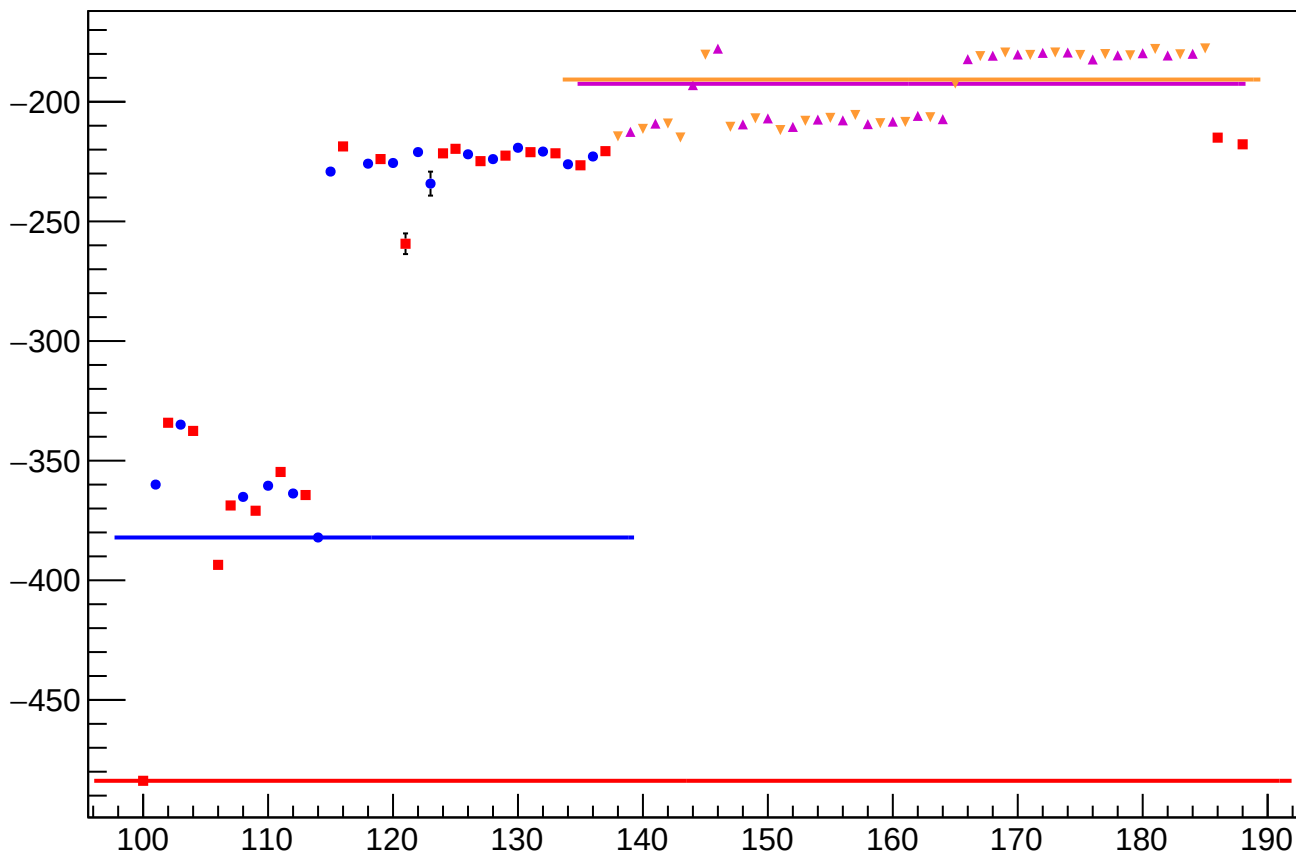
Right: 54.556+/-0.000 χ^2/NDF : 11466333.1/37

In: 54.556+/-0.000 χ^2/NDF : 75565168.9/39

Out: 11.601+/-0.005 χ^2/NDF : 593148.9/45

All: 54.556+/-0.000 χ^2/NDF : 145999867.7/85

dit_sam2_4eY_slope vs Slug, Sign Corrected



Right In: -382.108+/-0.000 χ^2/NDF : 18398024.3/16

Left Out: -190.703+/-0.011 χ^2/NDF : 1602184.8/24

Right Out: -483.800+/-0.000 χ^2/NDF : 25014195.8/20

Left In: -192.488+/-0.011 χ^2/NDF : 1500910.9/22

Left: -191.577+/-0.008 χ^2/NDF : 3115630.8/47

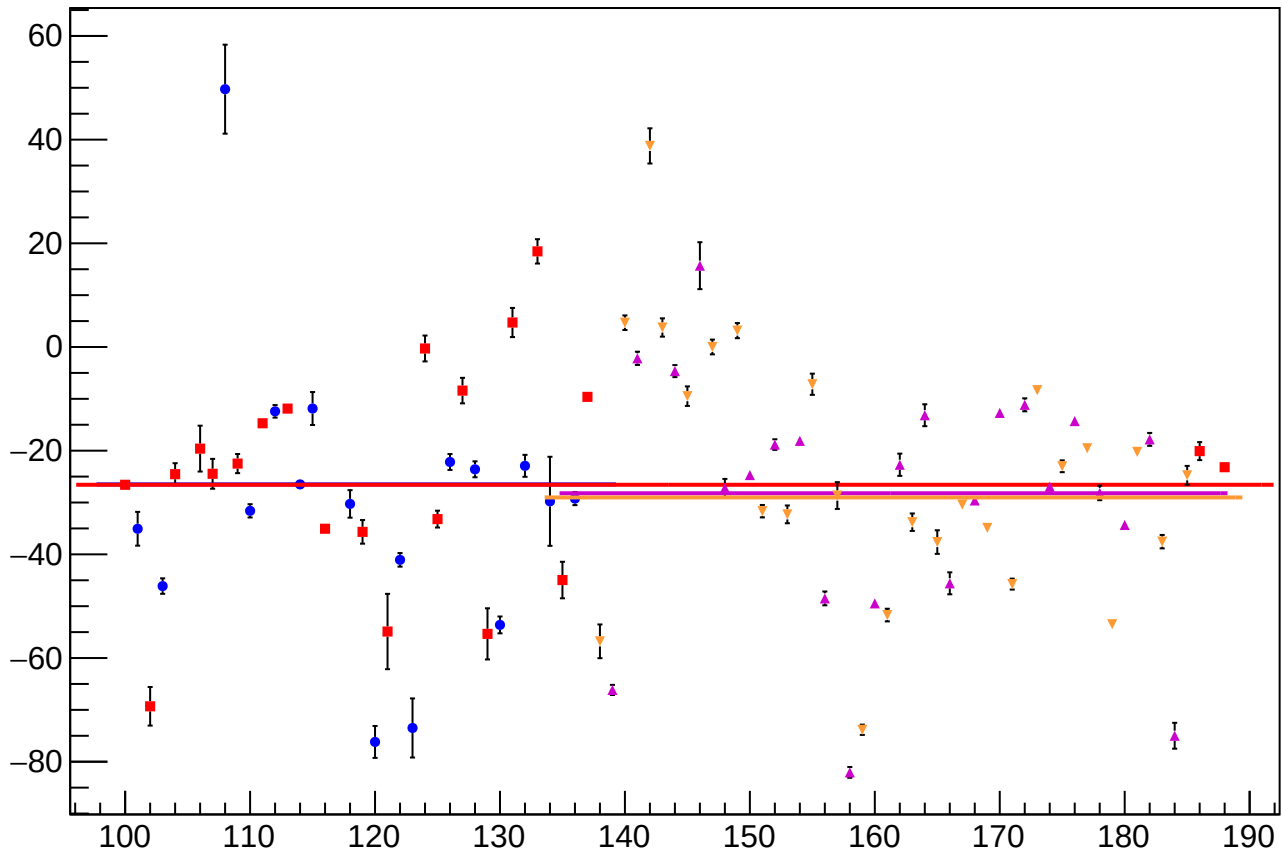
Right: -417.999+/-0.000 χ^2/NDF : 12425488813367

In: -382.108+/-0.000 χ^2/NDF : 297012180.6/39

Out: -483.800+/-0.000 χ^2/NDF : 716796140.7/45

All: -417.999+/-0.000 χ^2/NDF : 12425488813

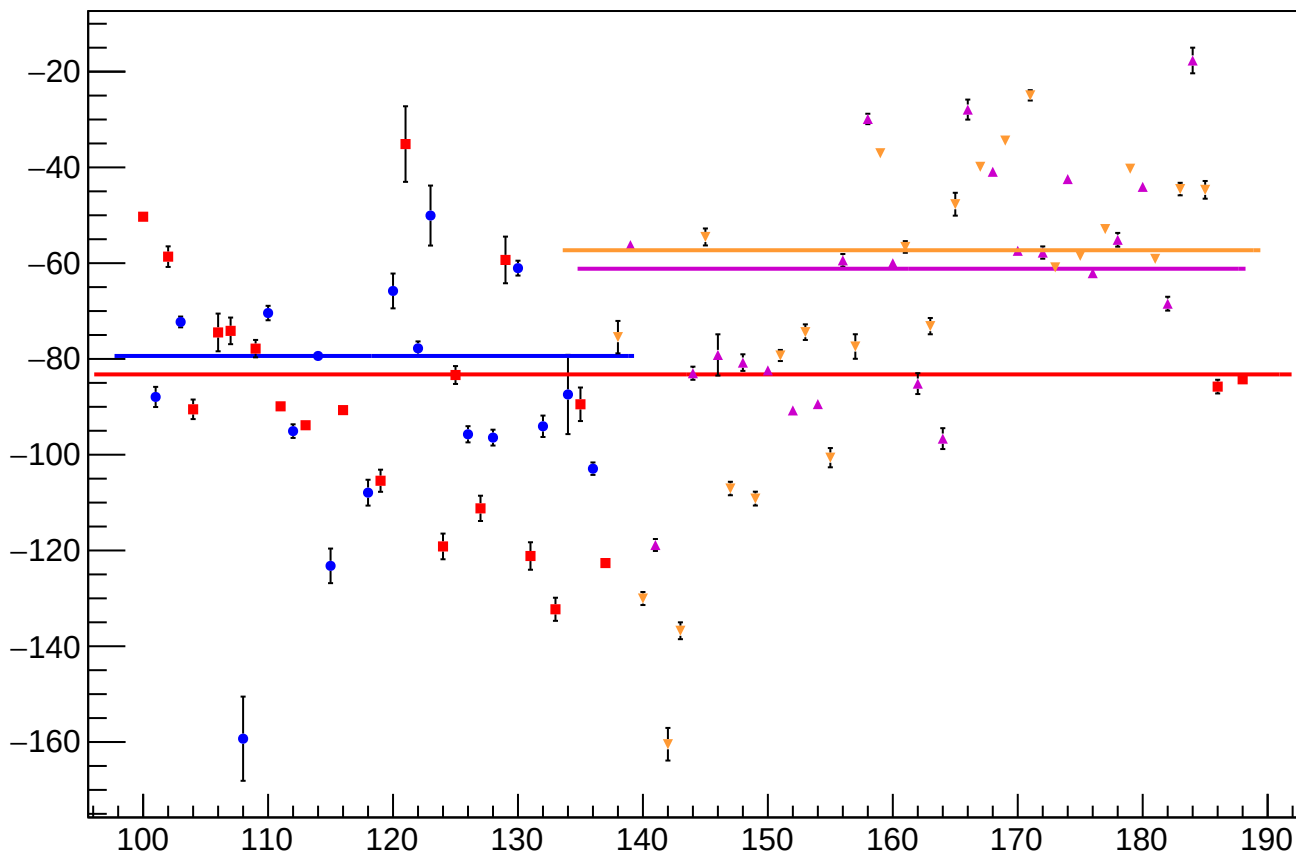
dit_sam3_4aX_slope vs Slug, Sign Corrected



Right In: -26.504 +/- 0.000 χ^2/NDF : 1180.7/16
 Left Out: -29.022 +/- 0.235 χ^2/NDF : 7110.5/24
 Right Out: -26.577 +/- 0.000 χ^2/NDF : 2685.9/20
 Left In: -28.215 +/- 0.215 χ^2/NDF : 7786.5/22

Left: -28.582 +/- 0.158 χ^2/NDF : 14903.4/47
 Right: -26.530 +/- 0.000 χ^2/NDF : 412159279654659
 In: -26.504 +/- 0.000 χ^2/NDF : 9030.8/39
 Out: -26.577 +/- 0.000 χ^2/NDF : 9904.9/45
 All: -26.530 +/- 0.000 χ^2/NDF : 412159279654

dit_sam3_4eX_slope vs Slug, Sign Corrected



Right In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 1304.6/16$

Left Out: -57.300 ± 0.229 $\chi^2/\text{NDF}: 13067.7/24$

Right Out: -83.229 ± 0.170 $\chi^2/\text{NDF}: 11922.5/20$

Left In: -61.164 ± 0.218 $\chi^2/\text{NDF}: 8941.7/22$

Left: -59.332 ± 0.158 $\chi^2/\text{NDF}: 22158.9/47$

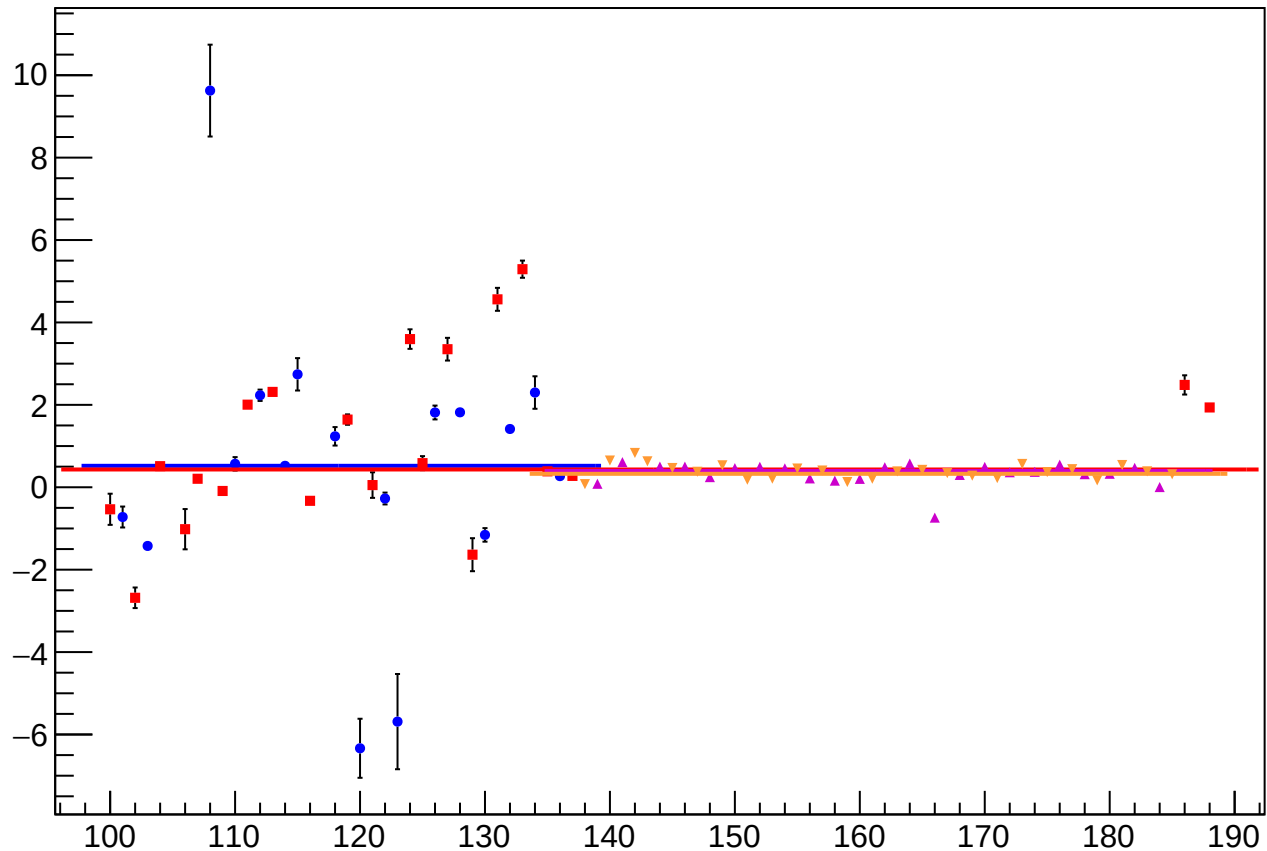
Right: -79.376 ± 0.000 $\chi^2/\text{NDF}: 13743.4/37$

In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 17252.2/39$

Out: -74.056 ± 0.136 $\chi^2/\text{NDF}: 33261.2/45$

All: -79.376 ± 0.000 $\chi^2/\text{NDF}: 52036.3/85$

dit_sam3_11X12X_slope vs Slug, Sign Corrected



Right In: 0.521+/-0.000 χ^2/NDF : 3370.8/16

Left Out: 0.326+/-0.002 χ^2/NDF :10419.3/24

Right Out: 0.431+/-0.011 χ^2/NDF : 3114.1/20

Left In: 0.396+/-0.001 χ^2/NDF :11392.0/22

Left: 0.365+/-0.001 χ^2/NDF : 22859.4/47

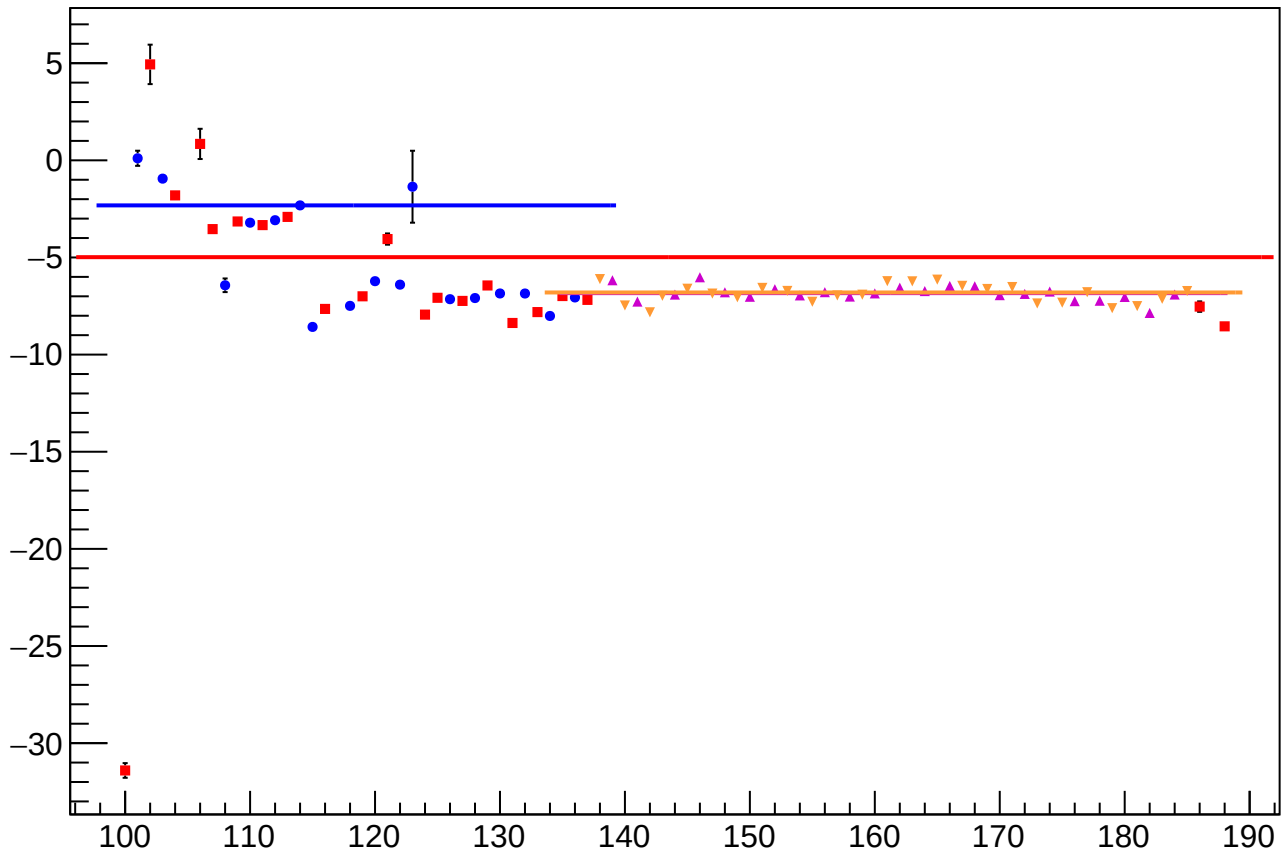
Right: 0.521+/-0.000 χ^2/NDF : 6553.6/37

In: 0.521+/-0.000 χ^2/NDF :22279.6/39

Out: 0.329+/-0.002 χ^2/NDF :13626.5/45

All: 0.521+/-0.000 χ^2/NDF : 50634.8/85

dit_sam3_4aY_slope vs Slug, Sign Corrected



Right In: -2.320+/-0.000 χ^2/NDF : 270771.9/16

Left Out: -6.802+/-0.002 χ^2/NDF : 14918.8/24

Right Out: -4.985+/-0.010 χ^2/NDF : 53517.5/20

Left In: -6.836+/-0.002 χ^2/NDF : 9245.1/22

Left: -6.819+/-0.002 χ^2/NDF : 24259.8/47

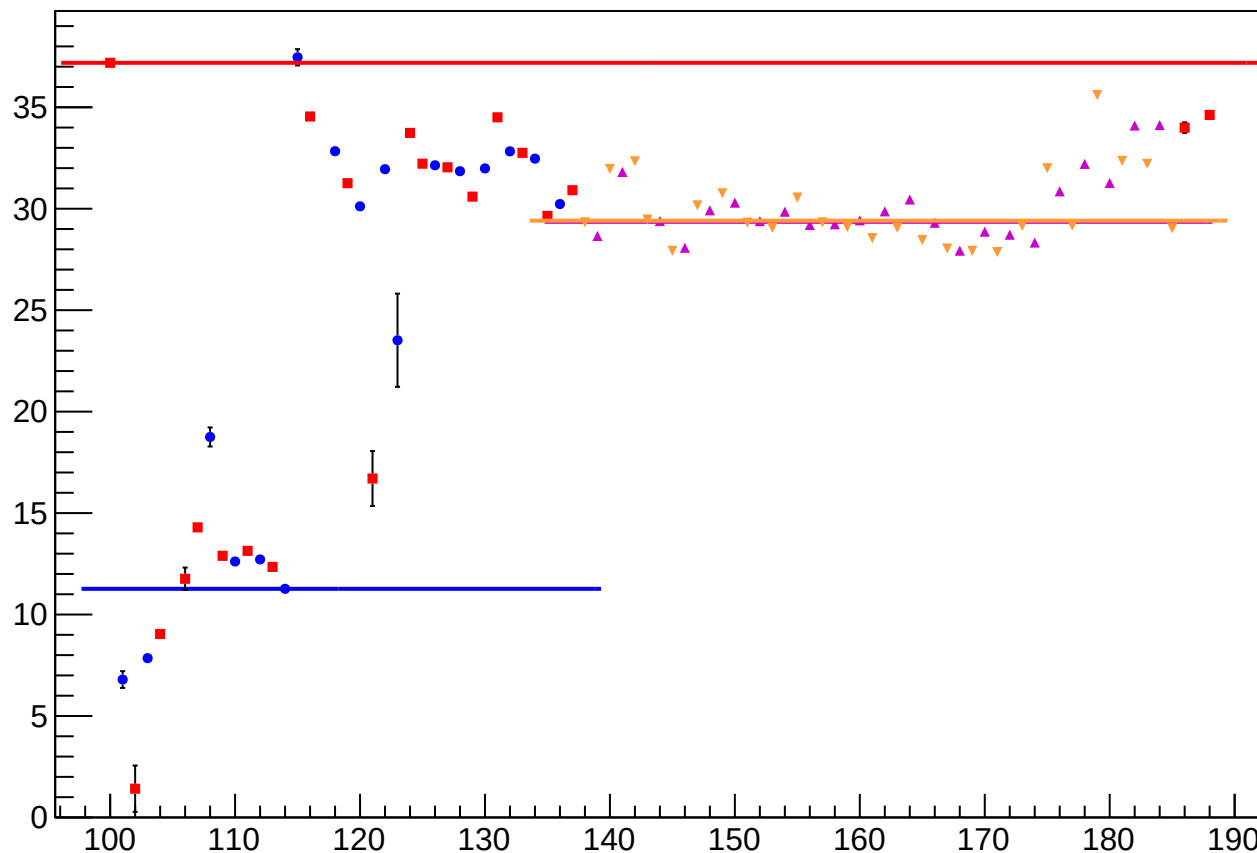
Right: -2.320+/-0.000 χ^2/NDF : 393494.2/37

In: -2.320+/-0.000 χ^2/NDF : 3792097.0/39

Out: -6.699+/-0.002 χ^2/NDF : 98783.3/45

All: -2.320+/-0.000 χ^2/NDF : 7177645.2/85

dit_sam3_4eY_slope vs Slug, Sign Corrected



Right In: 11.268 $\pm$ 0.000 χ^2 /NDF: 958029.3/16

Left Out: 29.411 $\pm$ 0.008 χ^2 /NDF:44374.5/24

Right Out: 37.191 $\pm$ 0.000 χ^2 /NDF: 1124118.9/20

Left In: 29.354 $\pm$ 0.008 χ^2 /NDF:14741.7/22

Left: 29.381 $\pm$ 0.006 χ^2 /NDF: 59141.7/47

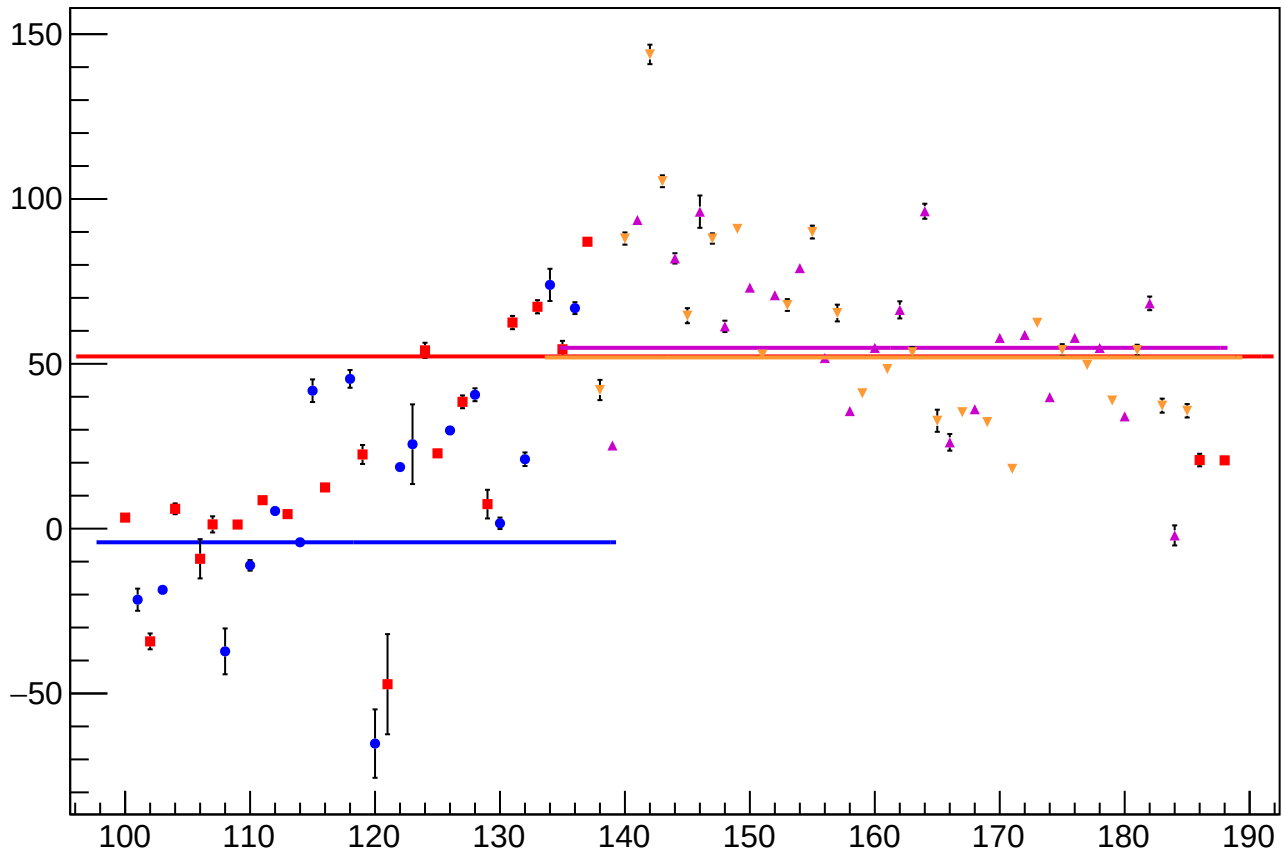
Right: 12.122 $\pm$ 0.000 χ^2 /NDF: 7723055694978834

In: 11.268 $\pm$ 0.000 χ^2 /NDF:6236963.1/39

Out: 37.191 $\pm$ 0.000 χ^2 /NDF:2072270.0/45

All: 12.122 $\pm$ 0.000 χ^2 /NDF: 7723055694978

dit_sam4_4aX_slope vs Slug, Sign Corrected



Right In: -4.139 ± 0.000 $\chi^2/\text{NDF}: 4654.2/16$

Left Out: 51.931 ± 0.276 $\chi^2/\text{NDF}: 6225.4/24$

Right Out: 52.239 ± 0.165 $\chi^2/\text{NDF}: 56543.1/20$

Left In: 54.849 ± 0.247 $\chi^2/\text{NDF}: 6325.8/22$

Left: 53.548 ± 0.184 $\chi^2/\text{NDF}: 12613.3/47$

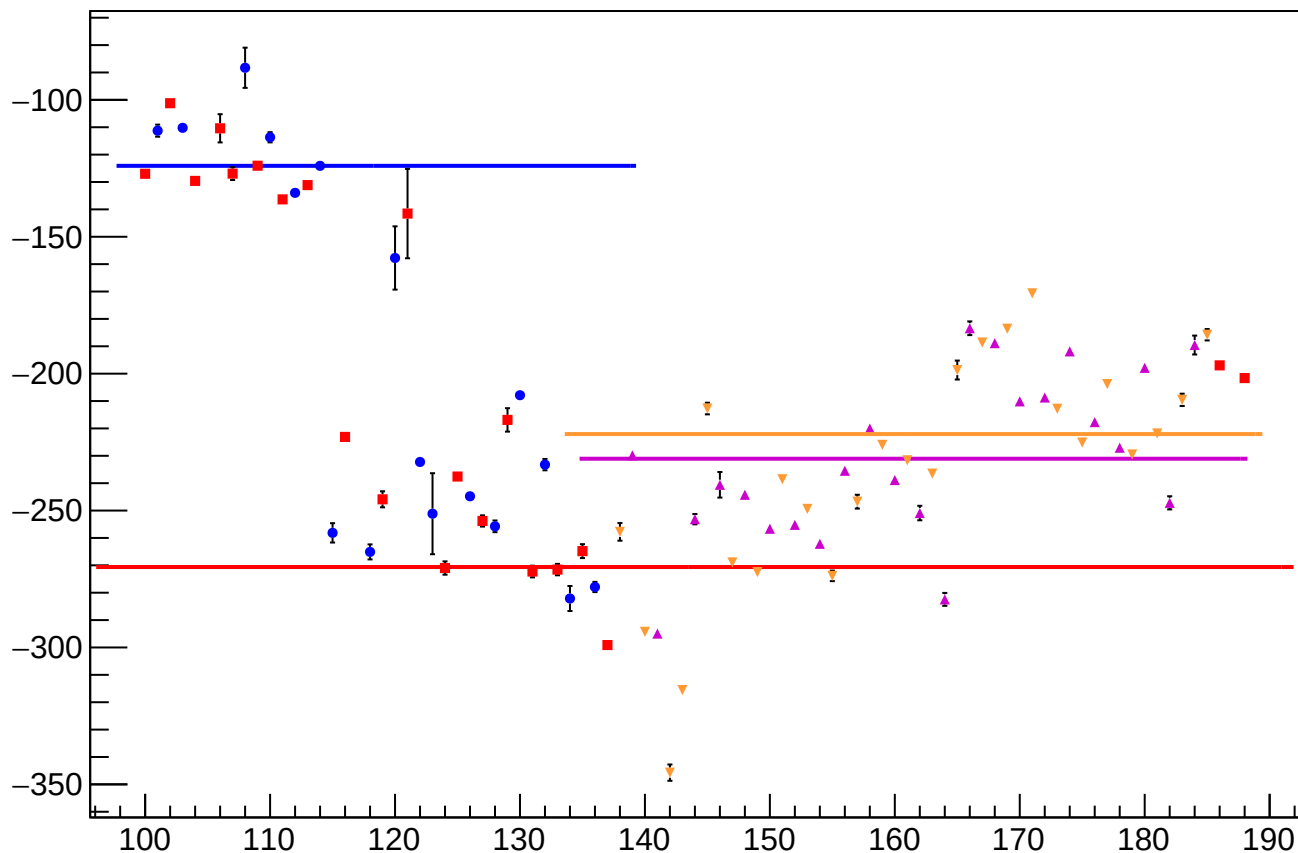
Right: -4.139 ± 0.000 $\chi^2/\text{NDF}: 178509.9/37$

In: -4.139 ± 0.000 $\chi^2/\text{NDF}: 67934.6/39$

Out: 52.158 ± 0.141 $\chi^2/\text{NDF}: 62769.4/45$

All: -4.139 ± 0.000 $\chi^2/\text{NDF}: 289421.7/85$

dit_sam4_4eX_slope vs Slug, Sign Corrected



Right In: -124.095 $\pm$ 0.000 χ^2 /NDF: 38152.5/16

Left Out: -222.063 $\pm$ 0.272 χ^2 /NDF:15812.2/24

Right Out: -270.622 $\pm$ 0.111 χ^2 /NDF: 294488.9/20

Left In: -231.069 $\pm$ 0.249 χ^2 /NDF:12005.6/22

Left: -226.957 $\pm$ 0.184 χ^2 /NDF: 28412.7/47

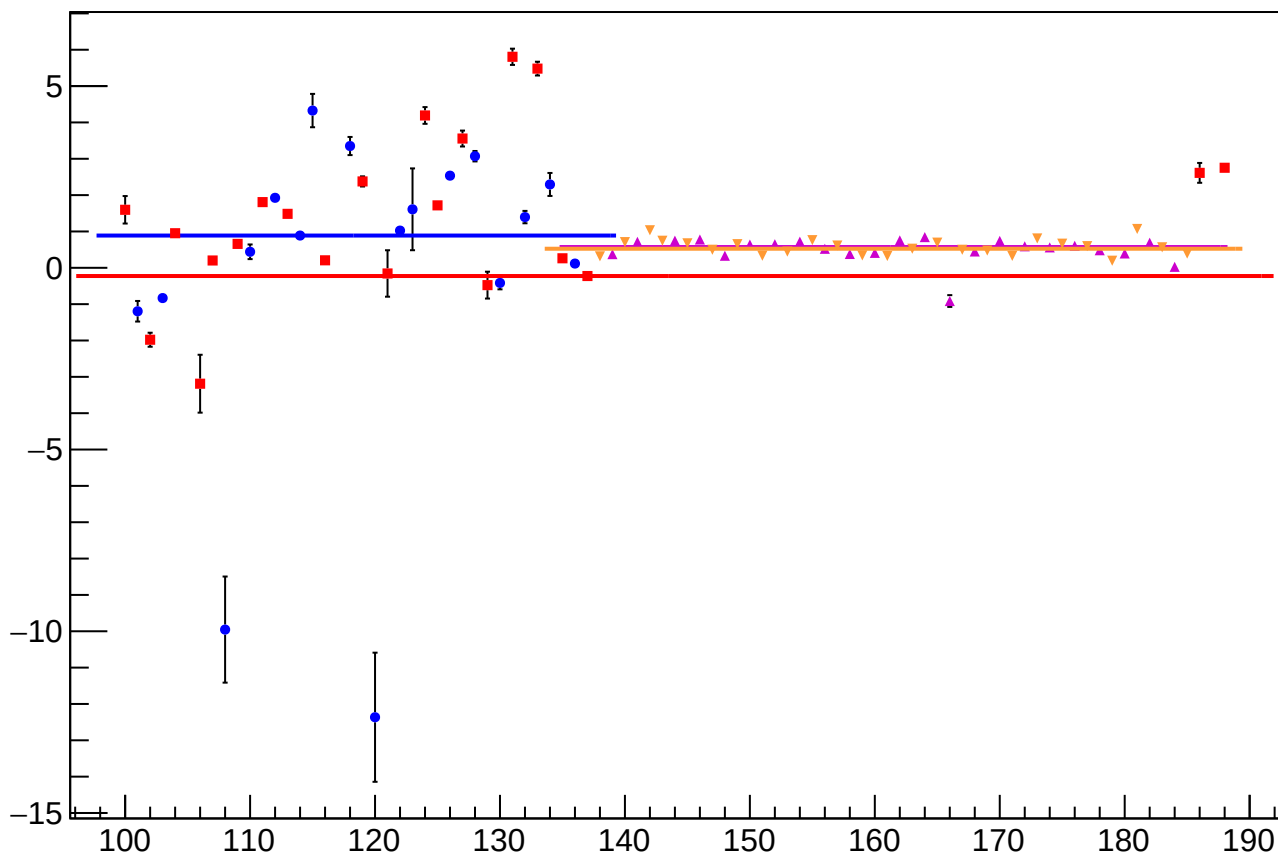
Right: -124.095 $\pm$ 0.000 χ^2 /NDF: 2083560.5/37

In: -124.095 $\pm$ 0.000 χ^2 /NDF:234031.5/39

Out: -263.726 $\pm$ 0.103 χ^2 /NDF:337609.1/45

All: -124.095 $\pm$ 0.000 χ^2 /NDF: 2424805.9/85

dit_sam4_11X12X_slope vs Slug, Sign Corrected



Left: 0.549 $\pm$ 0.001 χ^2/NDF : 15080.9/47

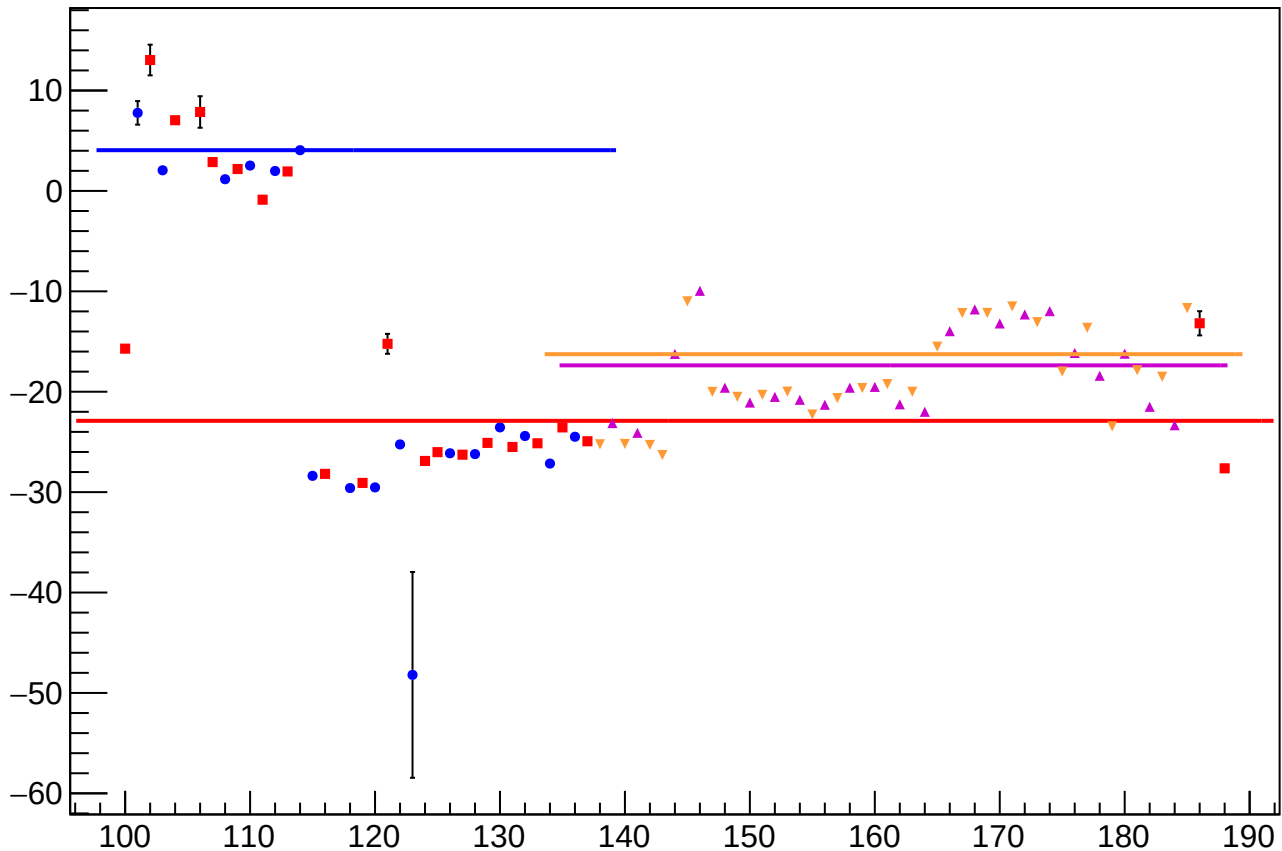
Right: 0.888 $\pm$ 0.000 χ^2/NDF : 422220934.9/37

In: 0.888 $\pm$ 0.000 χ^2/NDF : 39701.5/39

Out: -0.225 $\pm$ 0.000 χ^2/NDF : 153800.4/45

All: 0.888 $\pm$ 0.000 χ^2/NDF : 422293511.7/85

dit_sam4_4aY_slope vs Slug, Sign Corrected



Right In: 4.057 ± 0.000 χ^2/NDF : 1247888.2/16

Left Out: -16.260 ± 0.010 χ^2/NDF : 188515.0/24

Right Out: -22.897 ± 0.026 χ^2/NDF : 116689.3/20

Left In: -17.374 ± 0.009 χ^2/NDF : 169487.5/22

Left: -16.854 ± 0.007 χ^2/NDF : 364596.8/47

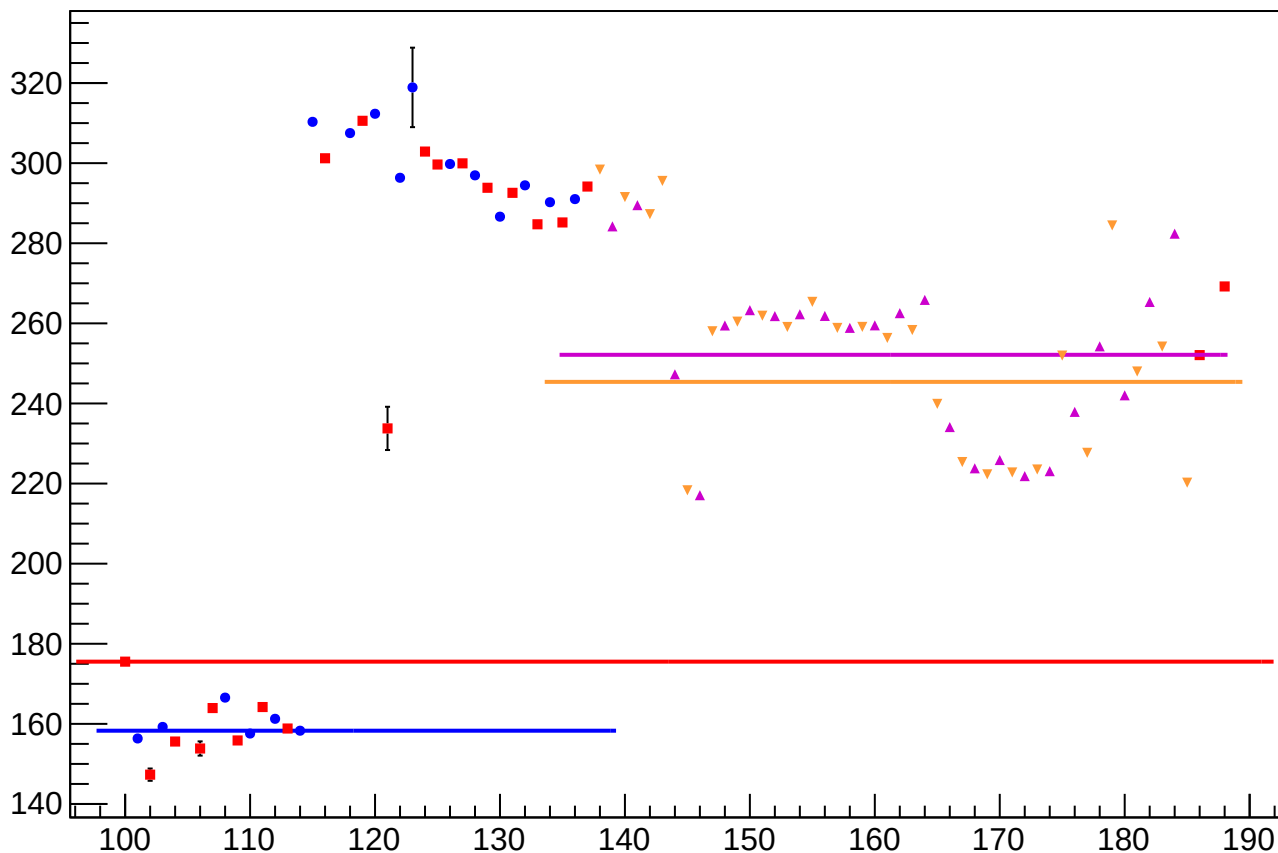
Right: 4.057 ± 0.000 χ^2/NDF : 2417545.6/37

In: 4.057 ± 0.000 χ^2/NDF : 6647641.5/39

Out: -17.102 ± 0.009 χ^2/NDF : 360948.7/45

All: 4.057 ± 0.000 χ^2/NDF : 12121708.9/85

dit_sam4_4eY_slope vs Slug, Sign Corrected



Right In: 158.293 $\pm$ 0.000 χ^2 /NDF: 2410913.3/16

Left Out: 245.391 $\pm$ 0.027 χ^2 /NDF: 723564.6/24

Right Out: 175.536 $\pm$ 0.000 χ^2 /NDF: 2153426.3/20

Left In: 252.148 $\pm$ 0.028 χ^2 /NDF: 359416.7/22

Left: 248.650 $\pm$ 0.020 χ^2 /NDF: 1112396.8/47

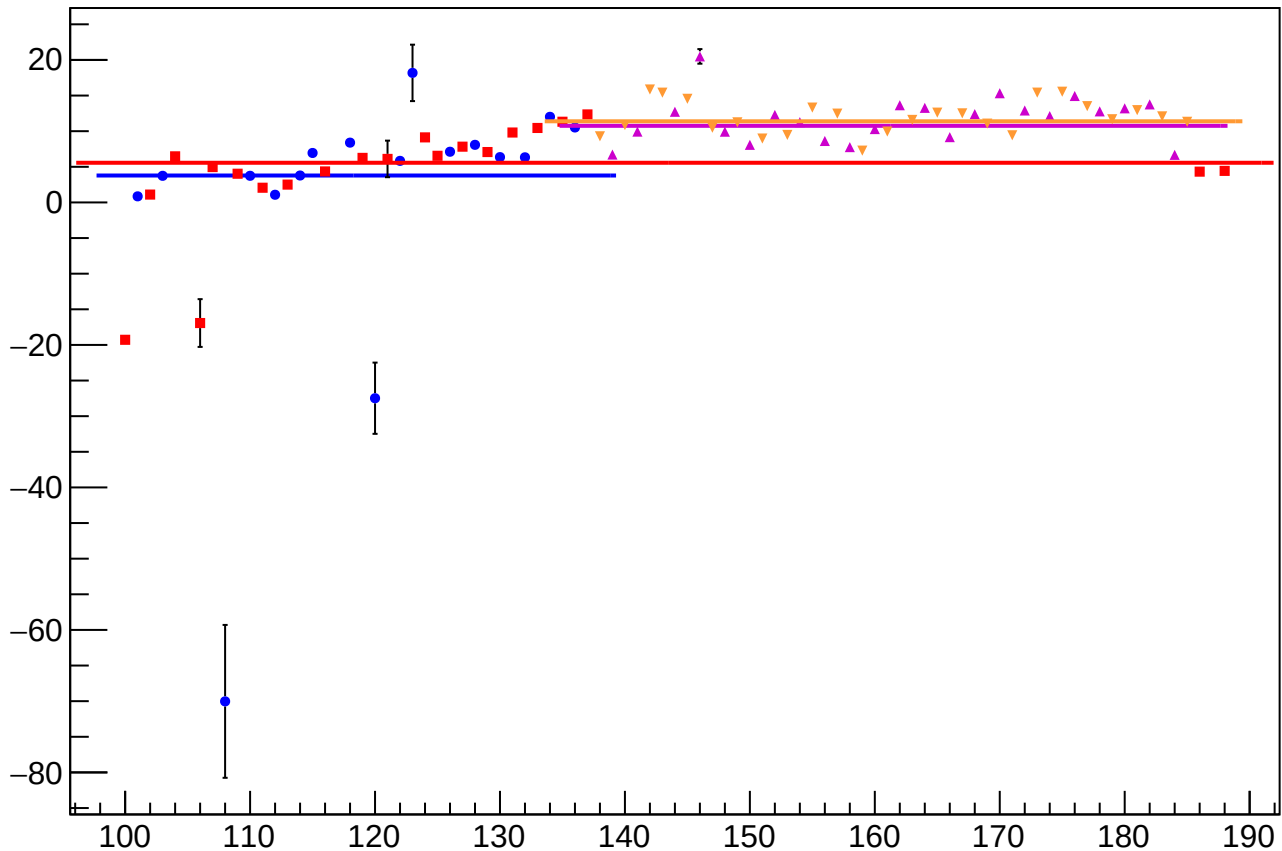
Right: 172.618 $\pm$ 0.000 χ^2 /NDF: 373727491225928

In: 158.293 $\pm$ 0.000 χ^2 /NDF: 13733965.8/39

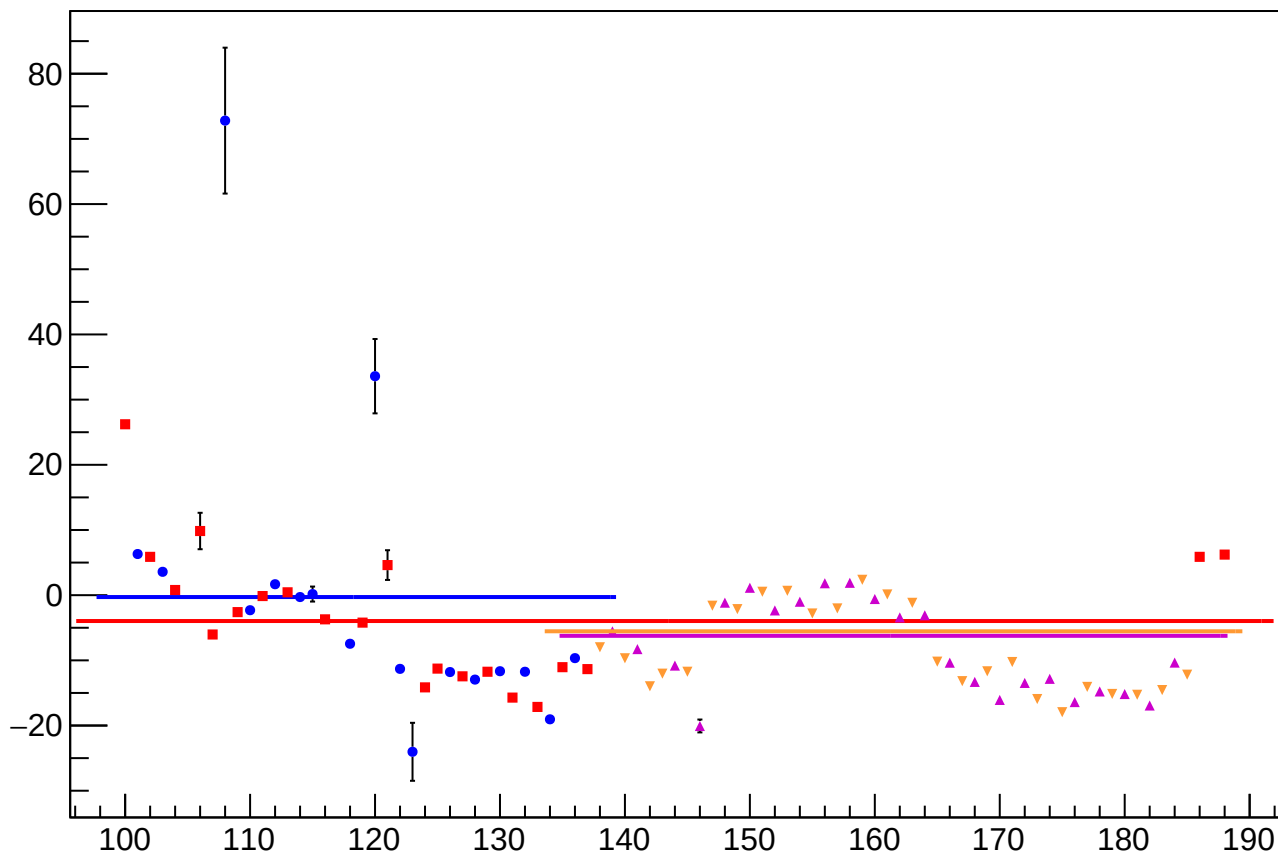
Out: 175.536 $\pm$ 0.000 χ^2 /NDF: 9393479.1/45

All: 172.618 $\pm$ 0.000 χ^2 /NDF: 373727491225

dit_sam5_4aX_slope vs Slug, Sign Corrected



dit_sam5_4eX_slope vs Slug, Sign Corrected



Right In: -0.287 ± 0.000 χ^2/NDF : 44276.5/16

Left Out: -5.539 ± 0.030 χ^2/NDF : 43439.8/24

Right Out: -3.966 ± 0.025 χ^2/NDF : 94677.8/20

Left In: -6.234 ± 0.028 χ^2/NDF : 57358.9/22

Left: -5.909 ± 0.021 χ^2/NDF : 101082.7/47

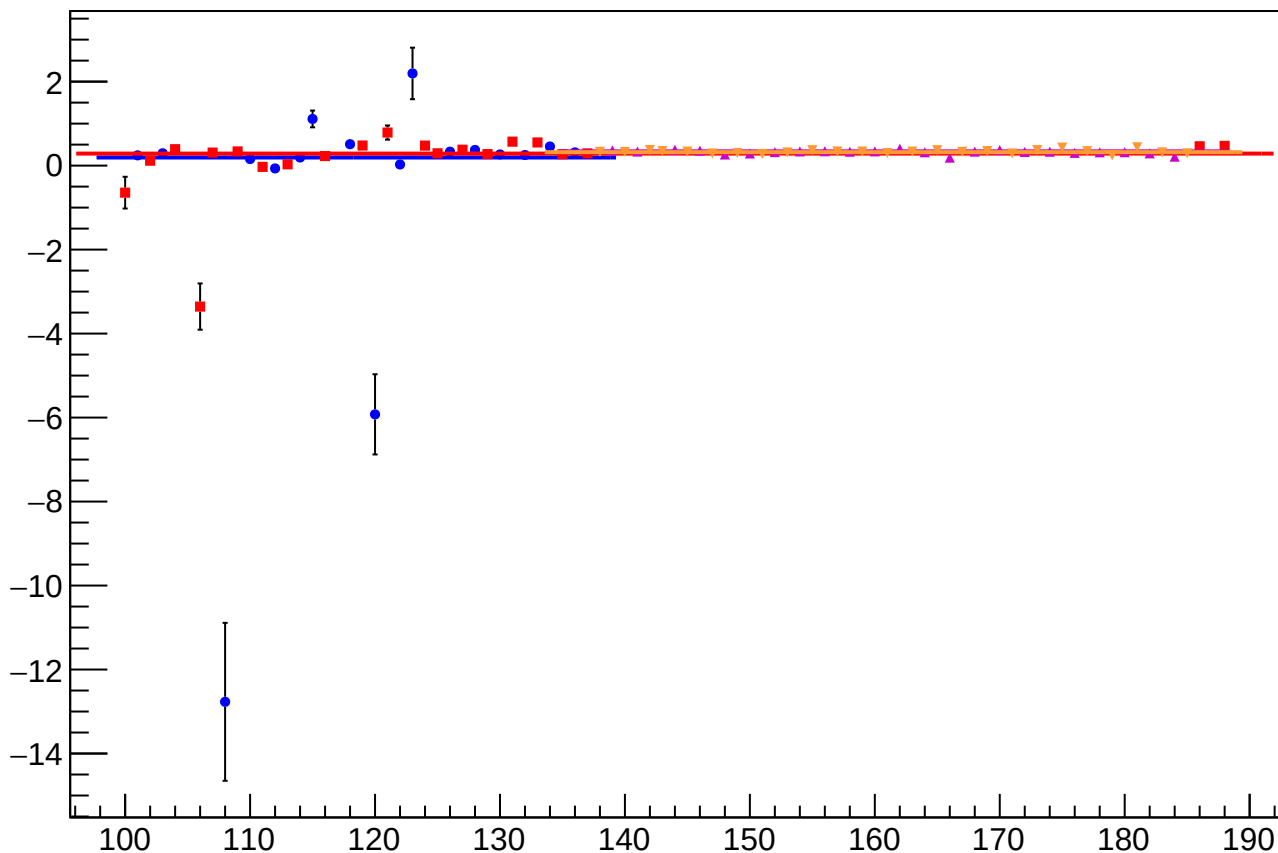
Right: -0.287 ± 0.000 χ^2/NDF : 160699.5/37

In: -0.287 ± 0.000 χ^2/NDF : 145994.3/39

Out: -4.607 ± 0.019 χ^2/NDF : 139735.7/45

All: -0.287 ± 0.000 χ^2/NDF : 336299.6/85

dit_sam5_11X12X_slope vs Slug, Sign Corrected



Right In: 0.193+/-0.000 χ^2/NDF : 10027.5/16

Left Out: 0.320+/-0.001 χ^2/NDF : 3374.4/24

Right Out: 0.286+/-0.001 χ^2/NDF : 6560.4/20

Left In: 0.340+/-0.001 χ^2/NDF : 4171.9/22

Left: 0.330+/-0.000 χ^2/NDF : 8287.4/47

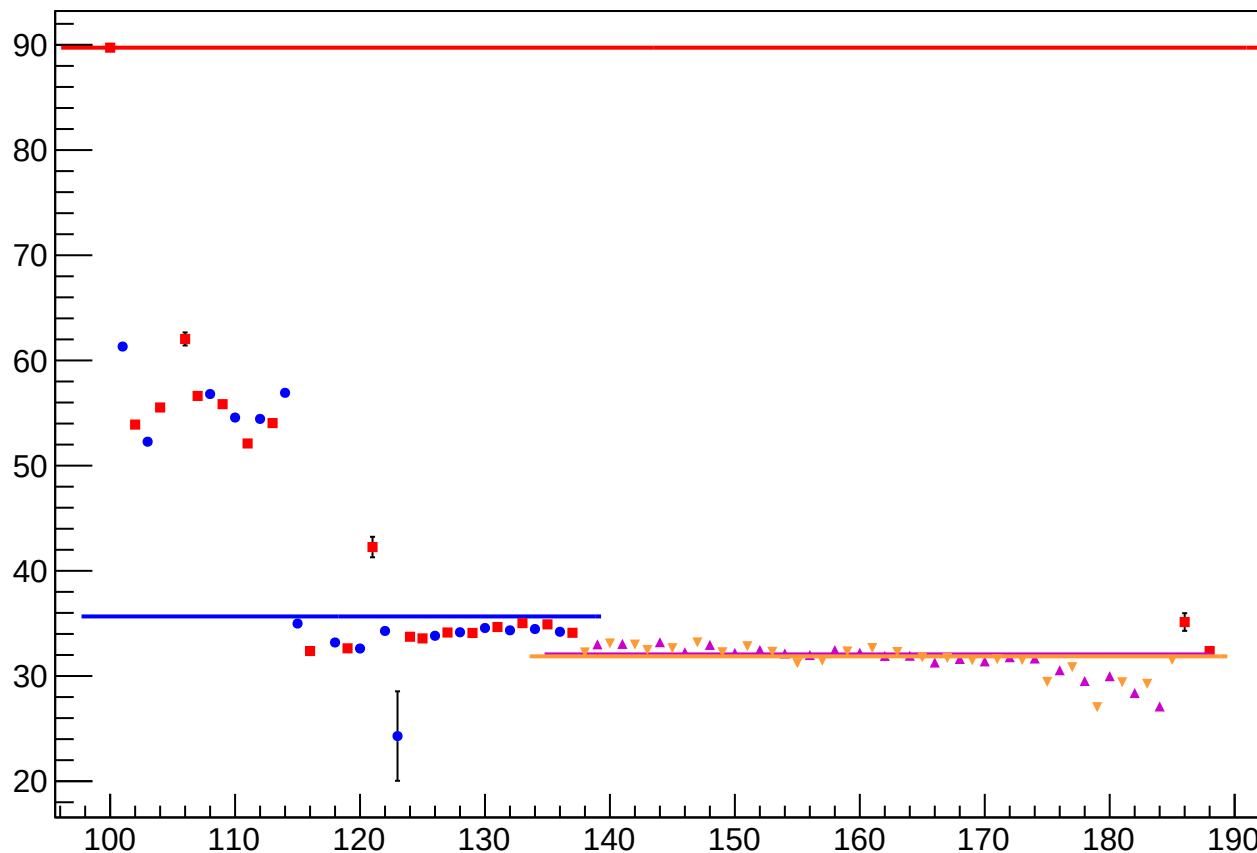
Right: 0.193+/-0.000 χ^2/NDF : 20688.5/37

In: 0.193+/-0.000 χ^2/NDF : 90796.6/39

Out: 0.316+/-0.000 χ^2/NDF : 10417.4/45

All: 0.193+/-0.000 χ^2/NDF : 168048.6/85

dit_sam5_4aY_slope vs Slug, Sign Corrected



Right In: 35.664+/-0.011 χ^2/NDF : 218662.5/16

Left Out: 31.869+/-0.003 χ^2/NDF :61955.3/24

Right Out: 89.735 $\pm$ 0.000 χ^2 /NDF: 25964124.2/20

Left In: 32.053+/-0.003 χ^2/NDF :32470.5/22

Left: 31.953 ± 0.002 χ^2/NDF : 96020.3/47

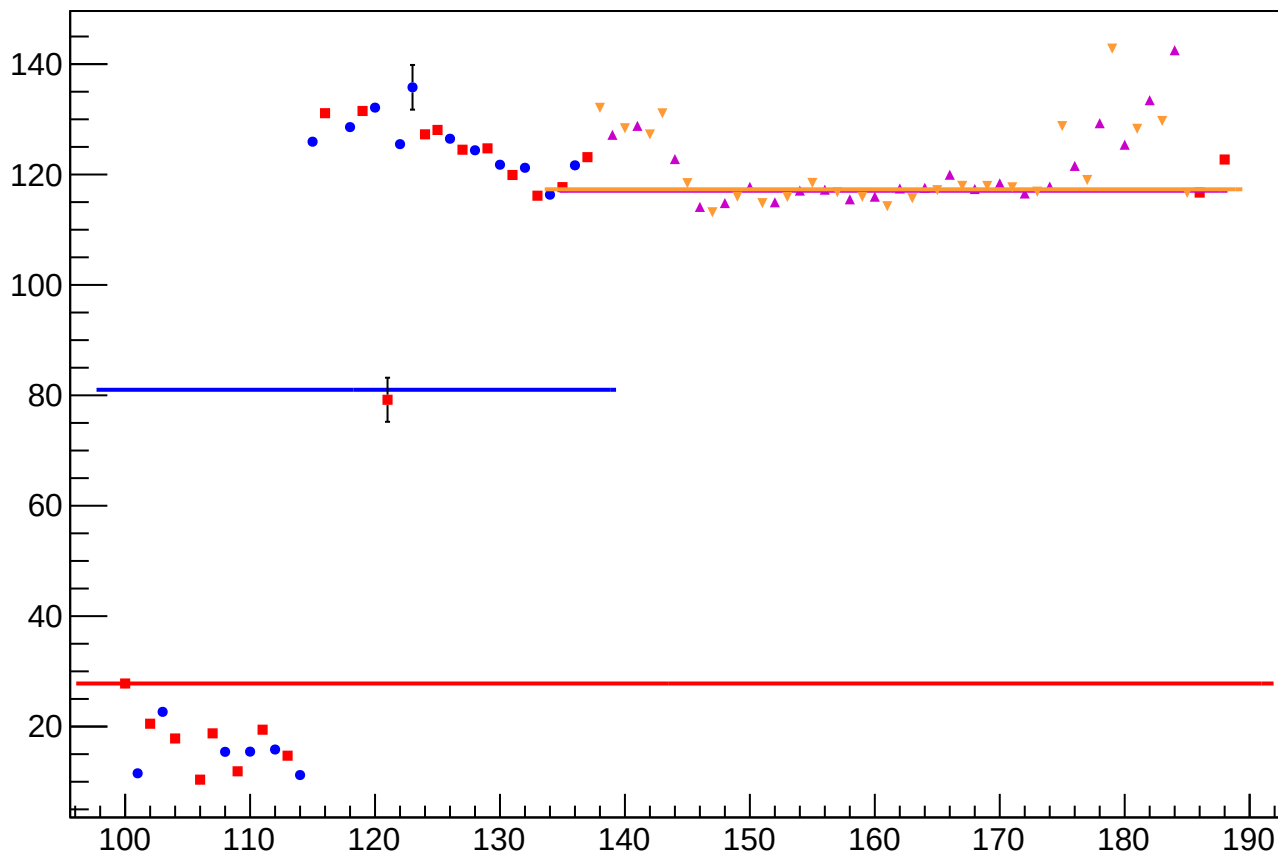
Right: 89.735+/-0.000 χ^2/NDF : 48812587.3/37

In: 32.352+/-0.003 χ^2/NDF :343684.5/39

Out: 89.735+/-0.000 χ^2/NDF :370926432.0/45

All: 89.735+/-0.000 χ^2/NDF : 679088047.3/85

dit_sam5_4eY_slope vs Slug, Sign Corrected



Right In: 81.005+/-0.035 χ^2/NDF : 2228881.4/16

Left Out: 117.323+/-0.008 χ^2/NDF : 172684.3/24

Right Out: 27.798+/-0.000 χ^2/NDF : 9650560.5/20

Left In: 117.061+/-0.009 χ^2/NDF : 62905.3/22

Left: 117.207+/-0.006 χ^2/NDF : 236083.4/47

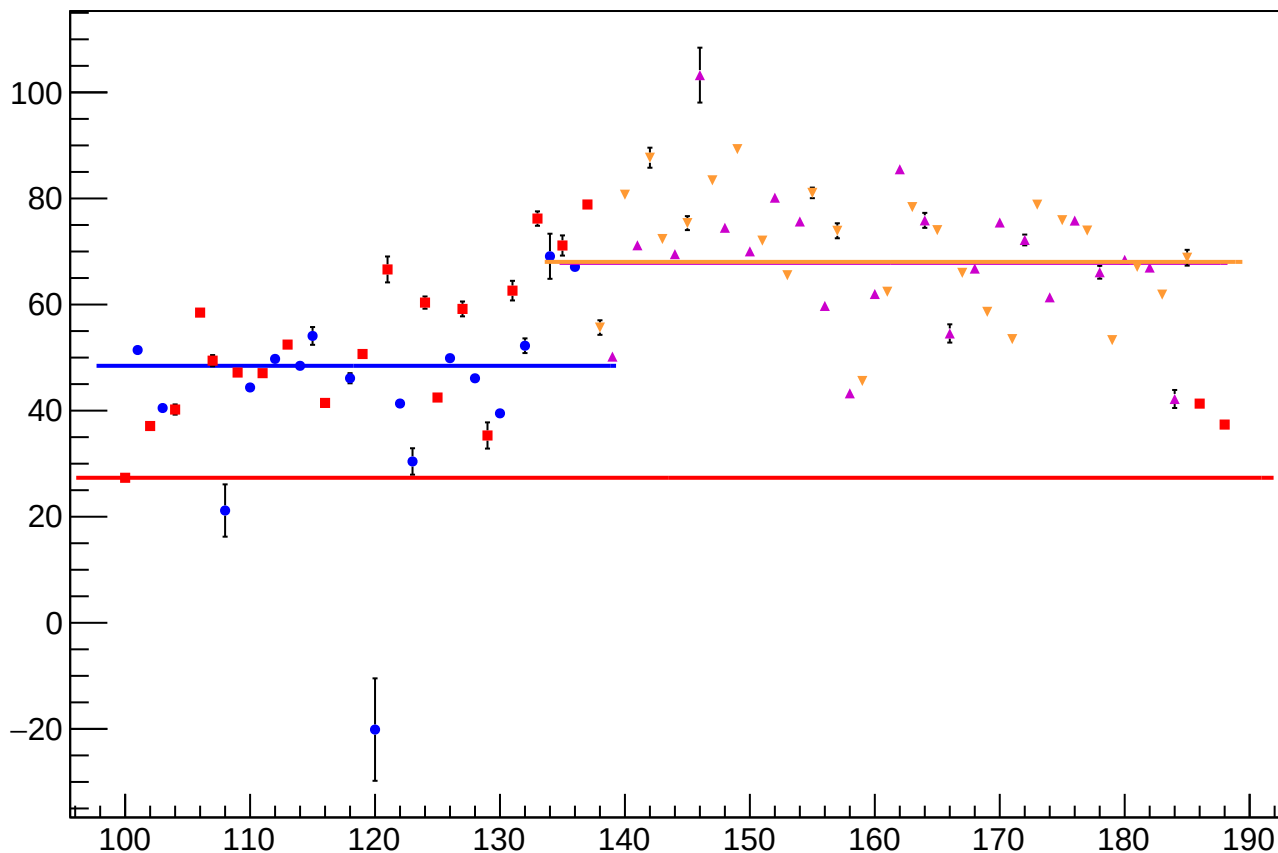
Right: 27.798+/-0.000 χ^2/NDF : 14253581.7/37

In: 114.857+/-0.009 χ^2/NDF : 3315365.2/39

Out: 27.798+/-0.000 χ^2/NDF : 140075433.2/45

All: 27.798+/-0.000 χ^2/NDF : 247386254.7/85

dit_sam6_4aX_slope vs Slug, Sign Corrected



Right In: 48.450 $\pm$ 0.000 χ^2 /NDF: 2751.4/16

Left Out: 68.044 $\pm$ 0.132 χ^2 /NDF:6670.6/24

Right Out: 27.342 $\pm$ 0.000 χ^2 /NDF: 27435.3/20

Left In: 67.852 $\pm$ 0.126 χ^2 /NDF:5519.9/22

Left: 67.943 $\pm$ 0.091 χ^2 /NDF: 12191.7/47

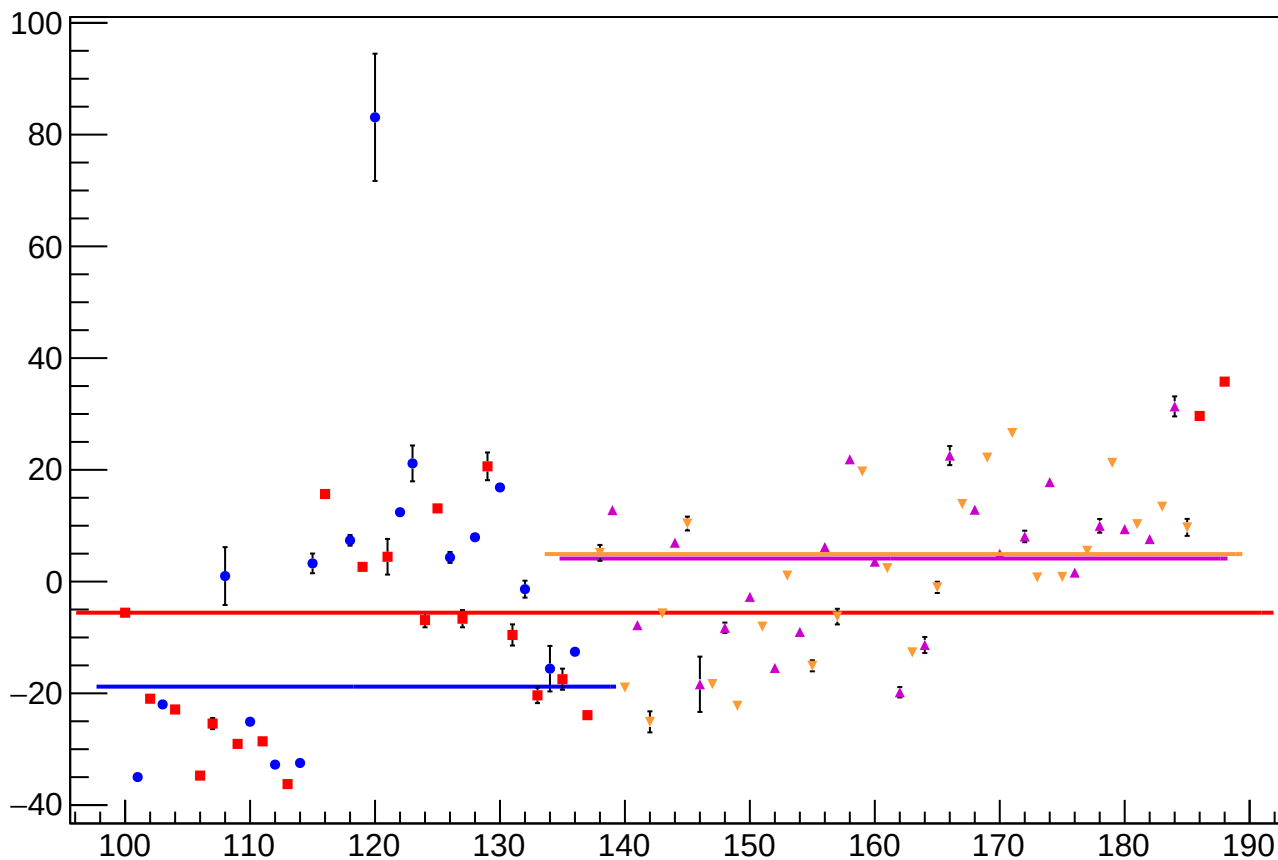
Right: 28.365 $\pm$ 0.000 χ^2 /NDF: 1026290104888328

In: 48.450 $\pm$ 0.000 χ^2 /NDF:32126.8/39

Out: 27.342 $\pm$ 0.000 χ^2 /NDF:128823.8/45

All: 28.365 $\pm$ 0.000 χ^2 /NDF: 1026290104888

dit_sam6_4eX_slope vs Slug, Sign Corrected



Left: 4.508 ± 0.092 $\chi^2/\text{NDF}: 16558.6/47$

Right: -5.568 ± 0.000 $\chi^2/\text{NDF}: 68863.3/37$

In: -5.554 ± 0.096 $\chi^2/\text{NDF}: 31709.8/39$

Out: -5.568 ± 0.000 $\chi^2/\text{NDF}: 65823.5/45$

All: -5.568 ± 0.000 $\chi^2/\text{NDF}: 97533.3/85$

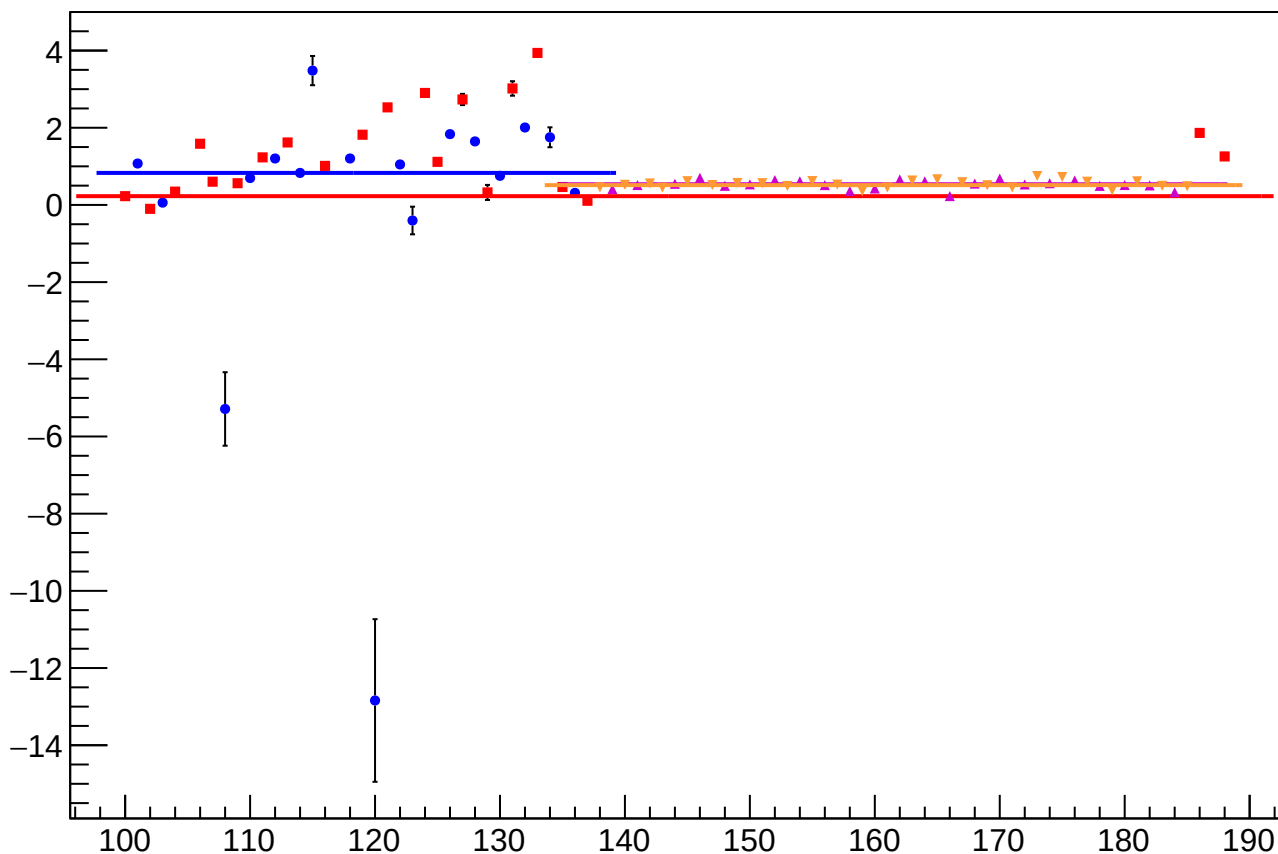
Right In: -18.800 ± 0.148 $\chi^2/\text{NDF}: 11764.7/16$

Left Out: 4.920 ± 0.132 $\chi^2/\text{NDF}: 10378.5/24$

Right Out: -5.568 ± 0.000 $\chi^2/\text{NDF}: 49152.1/20$

Left In: 4.129 ± 0.127 $\chi^2/\text{NDF}: 6161.4/22$

dit_sam6_11X12X_slope vs Slug, Sign Corrected



Right In: 0.830 ± 0.000 $\chi^2/\text{NDF}: 14882.7/16$

Left Out: 0.513 ± 0.001 $\chi^2/\text{NDF}: 15206.1/24$

Right Out: 0.227 ± 0.000 $\chi^2/\text{NDF}: 12933.2/20$

Left In: 0.536 ± 0.001 $\chi^2/\text{NDF}: 11764.8/22$

Left: 0.526 ± 0.001 $\chi^2/\text{NDF}: 27282.9/47$

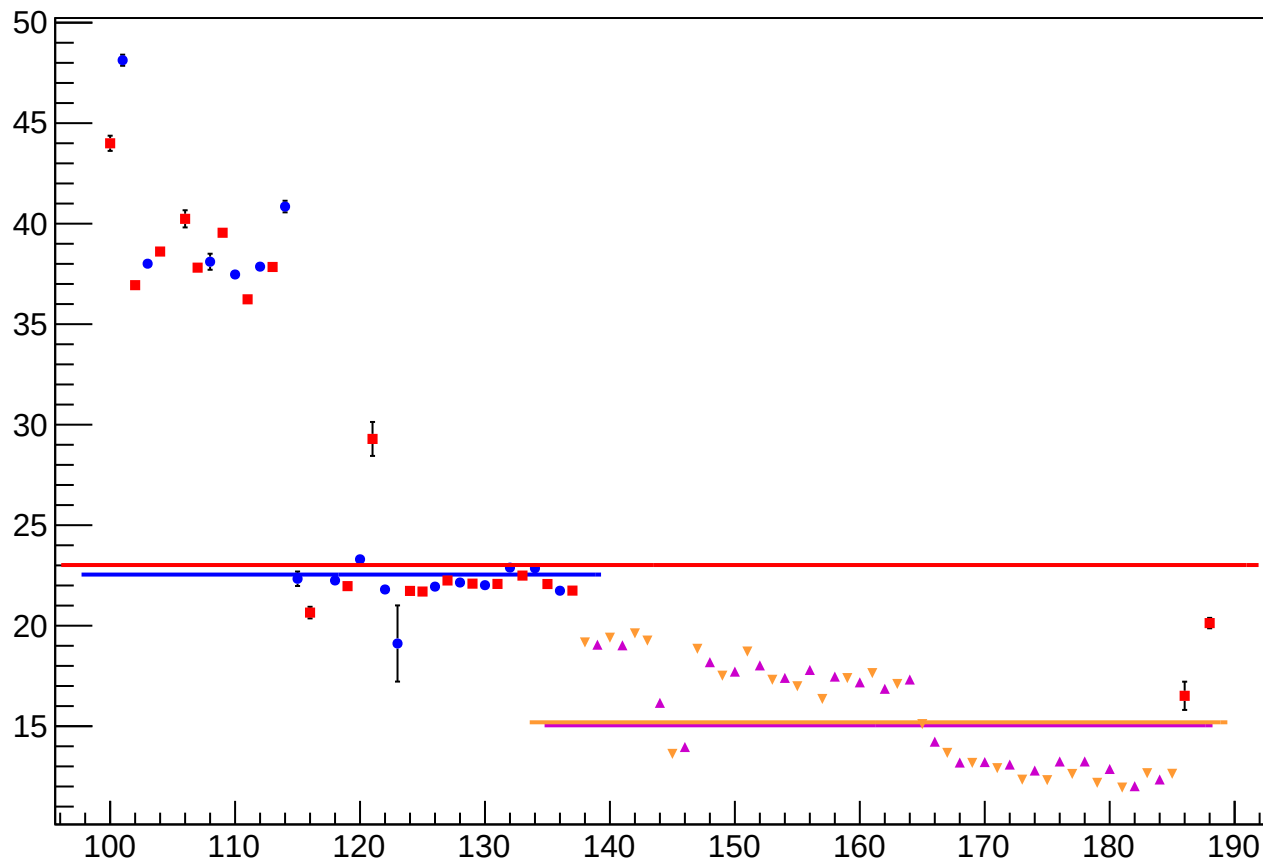
Right: 0.289 ± 0.000 $\chi^2/\text{NDF}: 29066082561457147$

In: 0.830 ± 0.000 $\chi^2/\text{NDF}: 141887.0/39$

Out: 0.227 ± 0.000 $\chi^2/\text{NDF}: 116408.2/45$

All: 0.289 ± 0.000 $\chi^2/\text{NDF}: 29066082561457$

dit_sam6_4aY_slope vs Slug, Sign Corrected



Right In: 22.543 ± 0.009 χ^2/NDF : 105452.8/16

Left Out: 15.194 ± 0.004 χ^2/NDF : 417095.1/24

Right Out: 23.018 ± 0.009 χ^2/NDF : 166048.6/20

Left In: 15.044 ± 0.005 χ^2/NDF : 285851.6/22

Left: 15.125 ± 0.003 χ^2/NDF : 703514.0/47

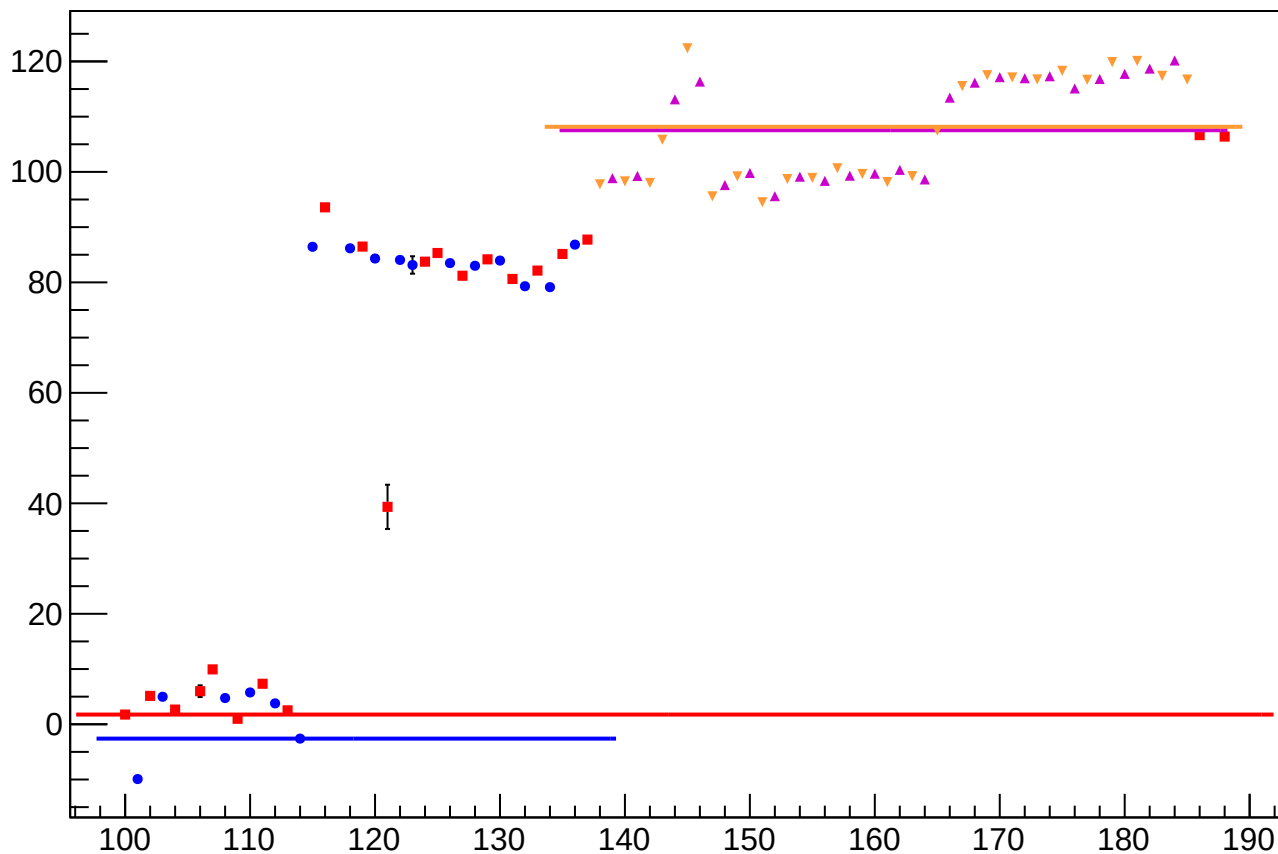
Right: 22.788 ± 0.006 χ^2/NDF : 272840.5/37

In: 16.526 ± 0.004 χ^2/NDF : 911903.8/39

Out: 16.620 ± 0.004 χ^2/NDF : 1195743.9/45

All: 16.576 ± 0.003 χ^2/NDF : 2107927.5/85

dit_sam6_4eY_slope vs Slug, Sign Corrected



Right In: -2.596+/-0.000 χ^2/NDF : 7395182.7/16

Left Out: 108.162+/-0.009 χ^2/NDF :1076822.4/24

Right Out: 1.758+/-0.000 χ^2/NDF : 4409960.5/20

Left In: 107.543+/-0.009 χ^2/NDF :988940.0/22

Left: 107.853+/-0.007 χ^2/NDF : 2067974.4/47

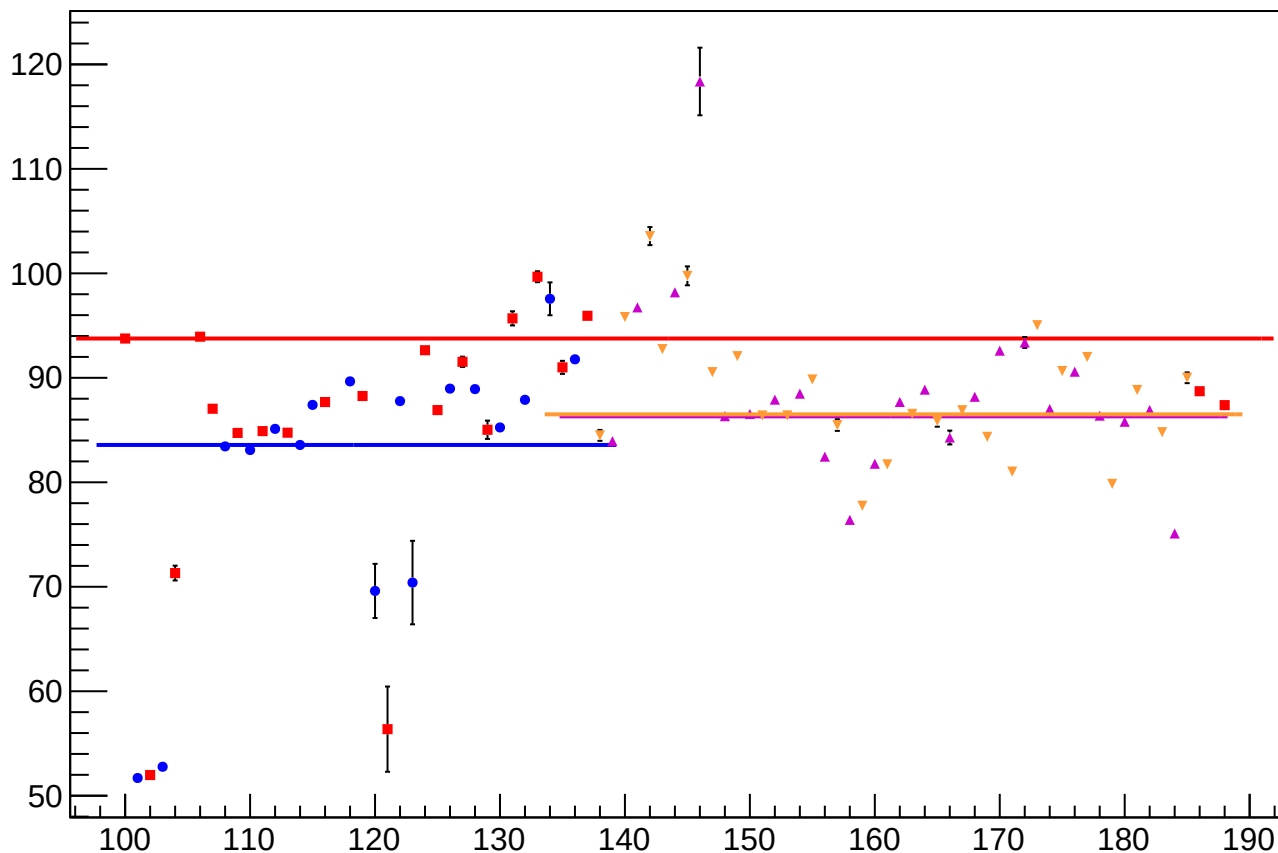
Right: -1.059+/-0.000 χ^2/NDF : 3731791751577379

In: -2.596+/-0.000 χ^2/NDF :147951178.7/39

Out: 1.758+/-0.000 χ^2/NDF :136275524.3/45

All: -1.059+/-0.000 χ^2/NDF : 3731791751577

dit_sam7_4aX_slope vs Slug, Sign Corrected



Right In: 83.573+/-0.000 χ^2 /NDF: 49468.0/16

Left Out: 86.505+/-0.060 χ^2 /NDF:8553.0/24

Right Out: 93.762+/-0.000 χ^2 /NDF: 85091.7/20

Left In: 86.310+/-0.051 χ^2 /NDF:8666.5/22

Left: 86.393+/-0.039 χ^2 /NDF: 17225.5/47

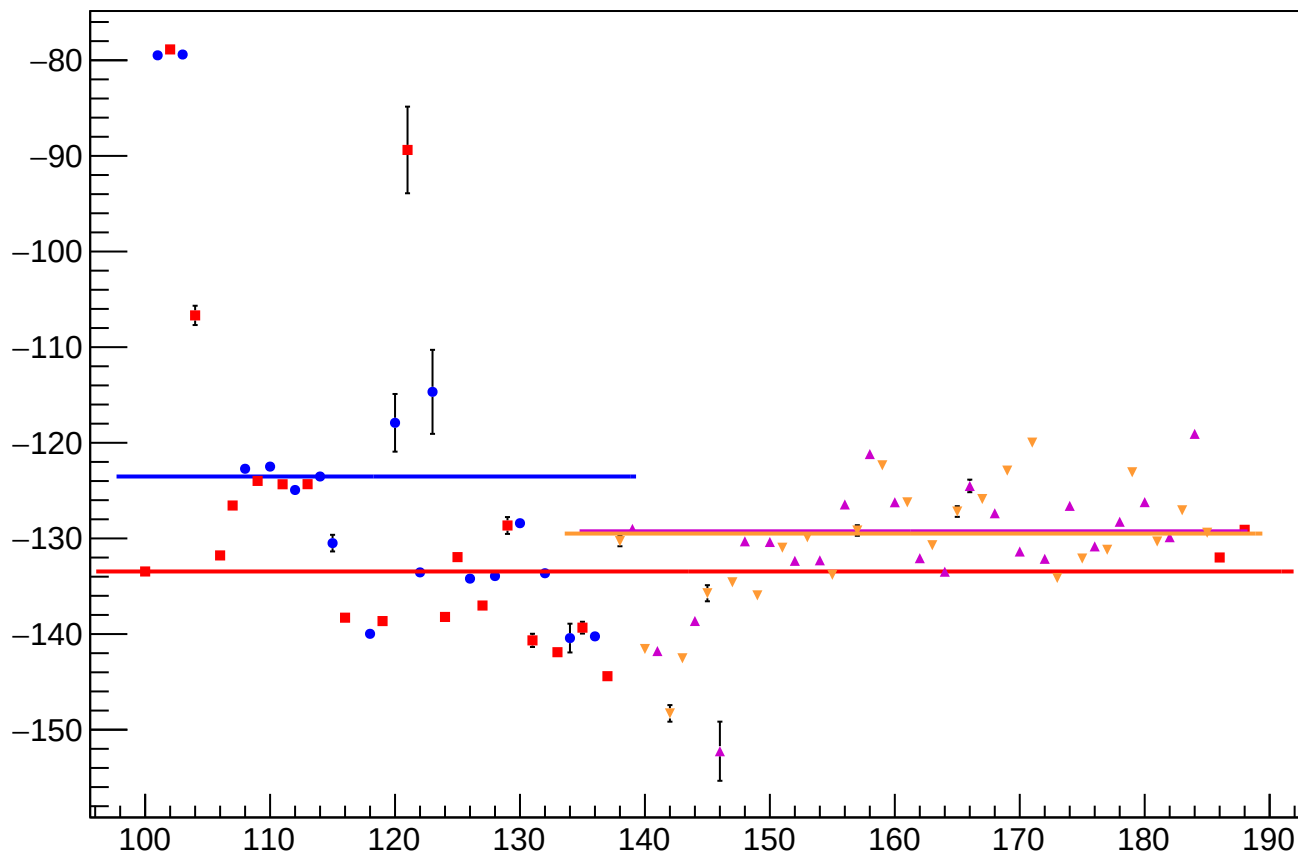
Right: 87.169+/-0.000 χ^2 /NDF: 1995684404141260

In: 83.573+/-0.000 χ^2 /NDF:60966.6/39

Out: 93.762+/-0.000 χ^2 /NDF:108314.1/45

All: 87.169+/-0.000 χ^2 /NDF: 1995684404141

dit_sam7_4eX_slope vs Slug, Sign Corrected



Right In: -123.524 ± 0.000 $\chi^2/\text{NDF}: 160356.5/16$

Left Out: -129.492 ± 0.059 $\chi^2/\text{NDF}: 10775.3/24$

Right Out: -133.456 ± 0.000 $\chi^2/\text{NDF}: 396108.0/20$

Left In: -129.256 ± 0.052 $\chi^2/\text{NDF}: 6558.2/22$

Left: -129.358 ± 0.039 $\chi^2/\text{NDF}: 17342.6/47$

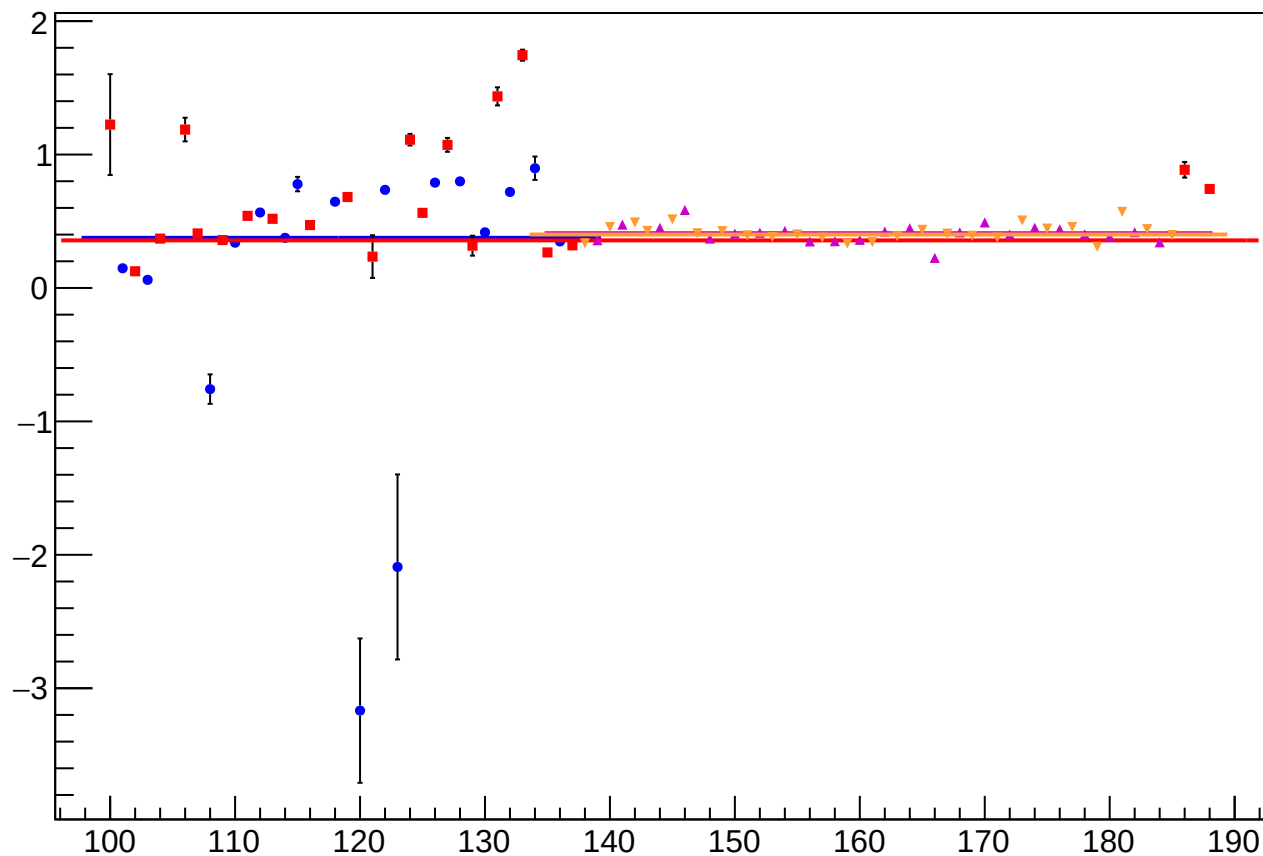
Right: -124.716 ± 0.000 $\chi^2/\text{NDF}: 64467869901657$

In: -123.524 ± 0.000 $\chi^2/\text{NDF}: 179277.5/39$

Out: -133.456 ± 0.000 $\chi^2/\text{NDF}: 411364.8/45$

All: -124.716 ± 0.000 $\chi^2/\text{NDF}: 64467869901$

dit_sam7_11X12X_slope vs Slug, Sign Corrected



Right In: 0.376+/-0.000 χ^2/NDF : 3961.7/16

Left Out: 0.401+/-0.000 χ^2/NDF : 9030.9/24

Right Out: 0.357+/-0.002 χ^2/NDF : 5068.6/20

Left In: 0.410+/-0.000 χ^2/NDF : 8478.2/22

Left: 0.406+/-0.000 χ^2/NDF : 17715.3/47

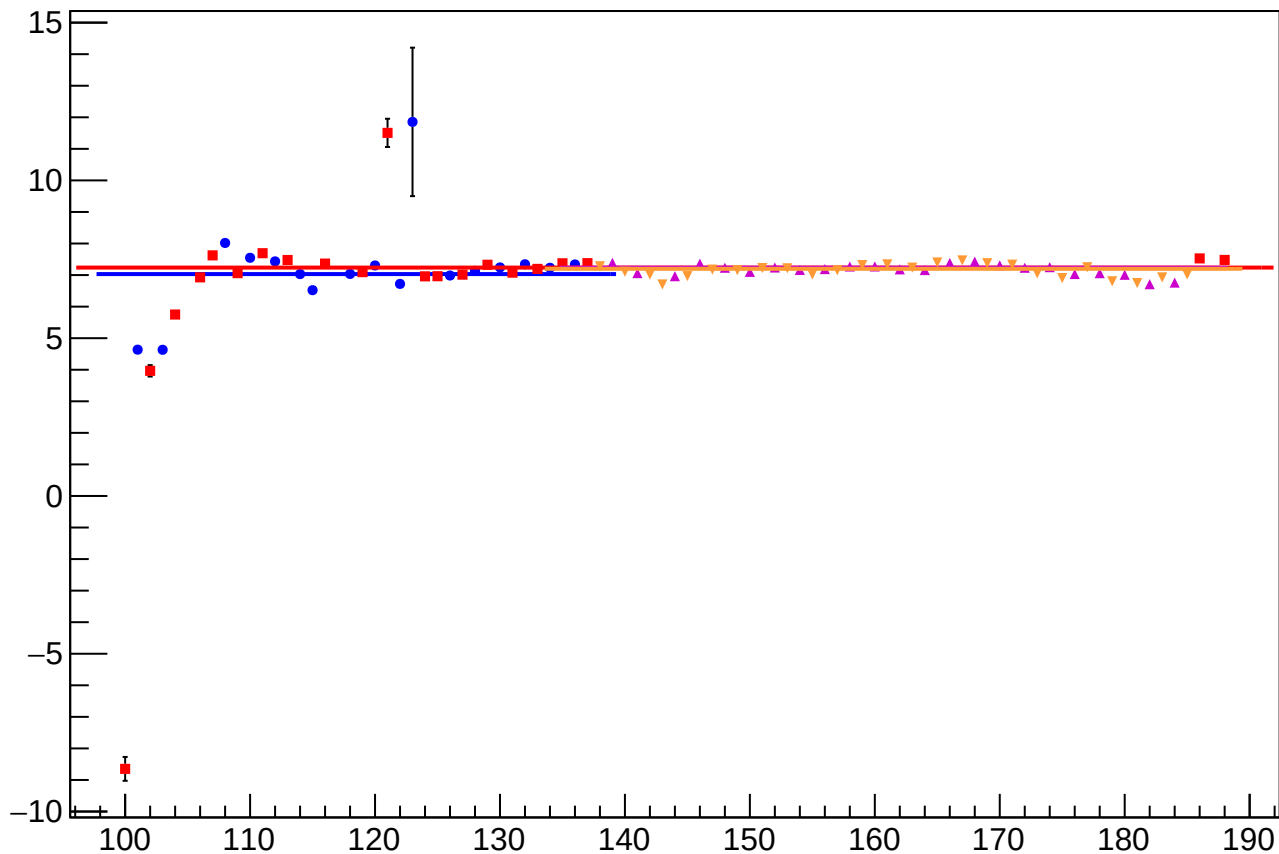
Right: 0.376+/-0.000 χ^2/NDF : 9191.4/37

In: 0.376+/-0.000 χ^2/NDF : 18332.7/39

Out: 0.396+/-0.000 χ^2/NDF : 14874.0/45

All: 0.376+/-0.000 χ^2/NDF : 35102.8/85

dit_sam7_4aY_slope vs Slug, Sign Corrected



Right In: 7.032 $\pm$ 0.000 χ^2 /NDF: 19770.1/16

Left Out: 7.199 $\pm$ 0.001 χ^2 /NDF: 37453.7/24

Right Out: 7.238 $\pm$ 0.002 χ^2 /NDF: 10256.5/20

Left In: 7.233 $\pm$ 0.001 χ^2 /NDF: 23085.0/22

Left: 7.217 $\pm$ 0.001 χ^2 /NDF: 61326.3/47

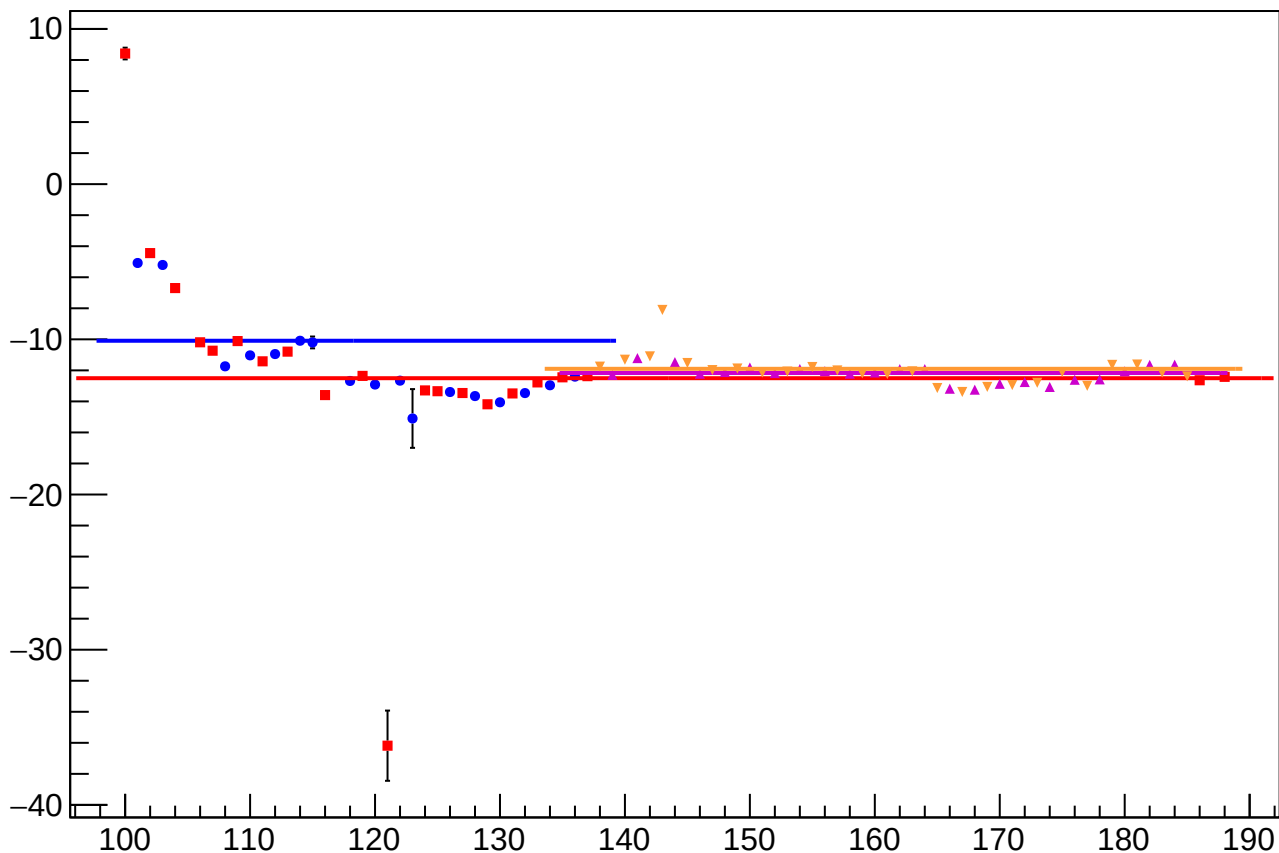
Right: 7.032 $\pm$ 0.000 χ^2 /NDF: 37639.1/37

In: 7.032 $\pm$ 0.000 χ^2 /NDF: 101616.3/39

Out: 7.204 $\pm$ 0.001 χ^2 /NDF: 47946.2/45

All: 7.032 $\pm$ 0.000 χ^2 /NDF: 191290.2/85

dit_sam7_4eY_slope vs Slug, Sign Corrected



Right In: -10.092 $\pm$ 0.000 χ^2 /NDF: 543504.2/16

Left Out: -11.899 $\pm$ 0.002 χ^2 /NDF: 498866.6/24

Right Out: -12.505 $\pm$ 0.004 χ^2 /NDF: 103538.7/20

Left In: -12.169 $\pm$ 0.002 χ^2 /NDF: 49568.3/22

Left: -12.033 $\pm$ 0.001 χ^2 /NDF: 561016.9/47

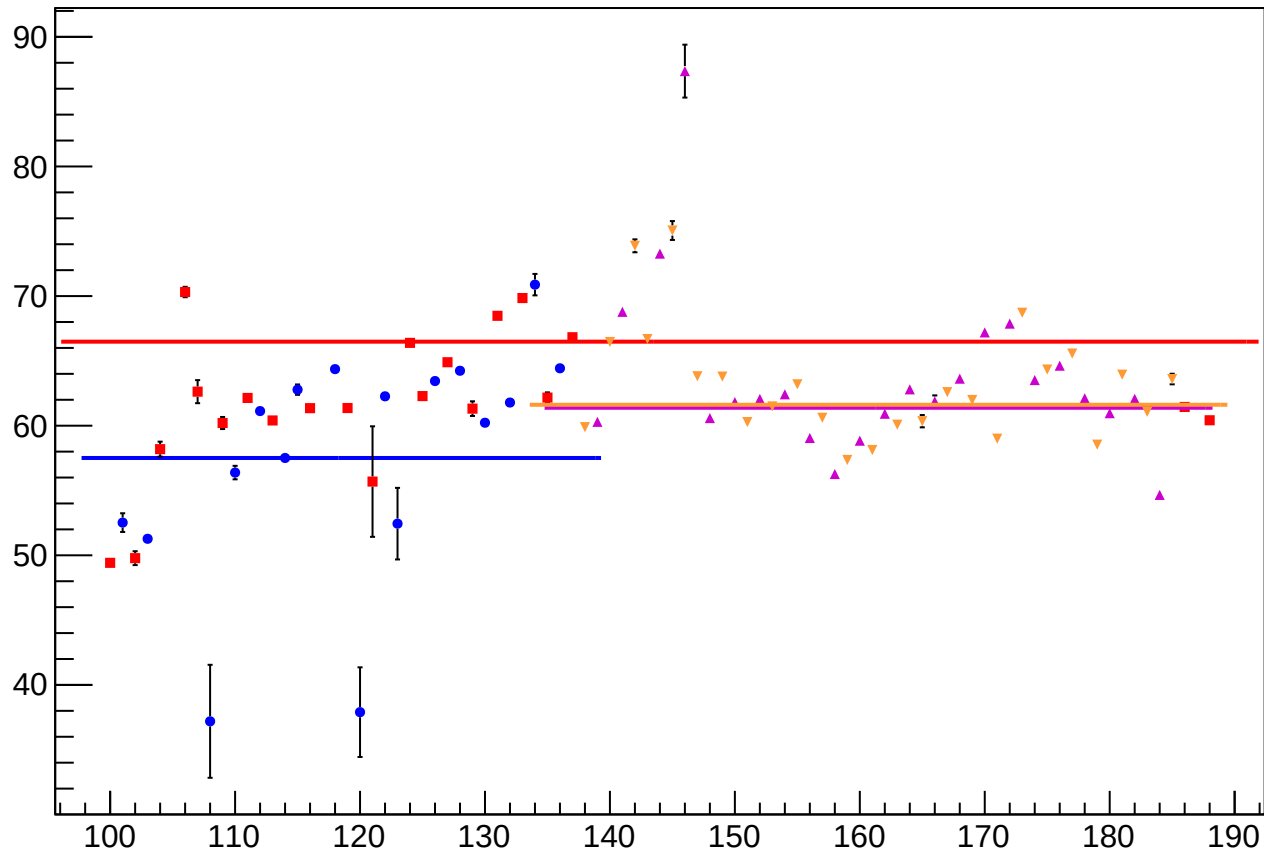
Right: -10.092 $\pm$ 0.000 χ^2 /NDF: 1081347.7/37

In: -10.092 $\pm$ 0.000 χ^2 /NDF: 2075919.9/39

Out: -12.006 $\pm$ 0.002 χ^2 /NDF: 624928.3/45

All: -10.092 $\pm$ 0.000 χ^2 /NDF: 4255727.0/85

dit_sam8_4aX_slope vs Slug, Sign Corrected



Right In: 57.510 ± 0.000 $\chi^2/\text{NDF}: 8108.6/16$

Left Out: 61.615 ± 0.039 $\chi^2/\text{NDF}: 7756.9/24$

Right Out: 66.483 ± 0.013 $\chi^2/\text{NDF}: 13995.8/20$

Left In: 61.383 ± 0.033 $\chi^2/\text{NDF}: 8900.0/22$

Left: 61.479 ± 0.025 $\chi^2/\text{NDF}: 16677.8/47$

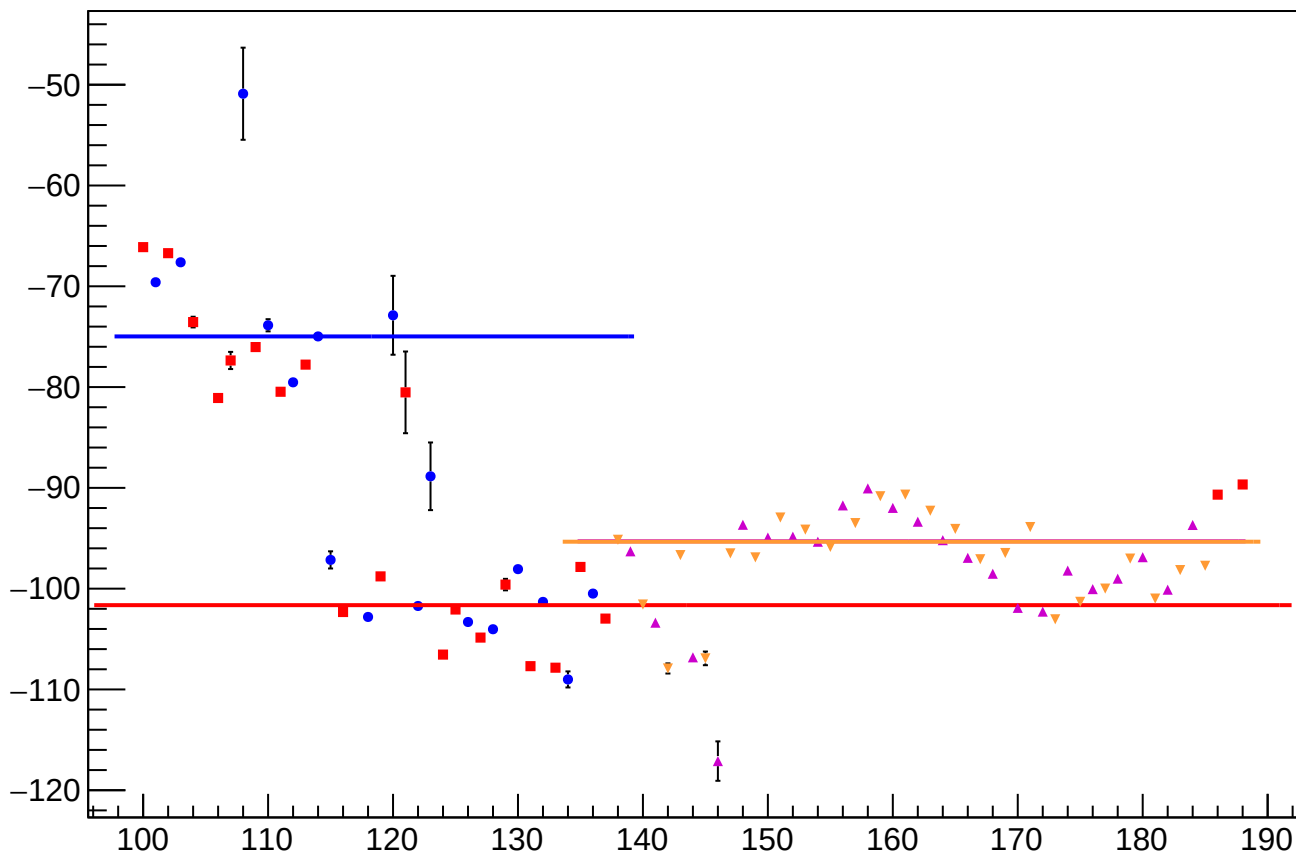
Right: 57.510 ± 0.000 $\chi^2/\text{NDF}: 505852.1/37$

In: 57.510 ± 0.000 $\chi^2/\text{NDF}: 31161.3/39$

Out: 66.000 ± 0.012 $\chi^2/\text{NDF}: 35867.4/45$

All: 57.510 ± 0.000 $\chi^2/\text{NDF}: 547802.6/85$

dit_sam8_4eX_slope vs Slug, Sign Corrected



Right In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 130544.0/16$

Left Out: -95.342 ± 0.039 $\chi^2/\text{NDF}: 9387.4/24$

Right Out: -101.637 ± 0.017 $\chi^2/\text{NDF}: 82086.1/20$

Left In: -95.301 ± 0.033 $\chi^2/\text{NDF}: 11271.5/22$

Left: -95.319 ± 0.025 $\chi^2/\text{NDF}: 20659.5/47$

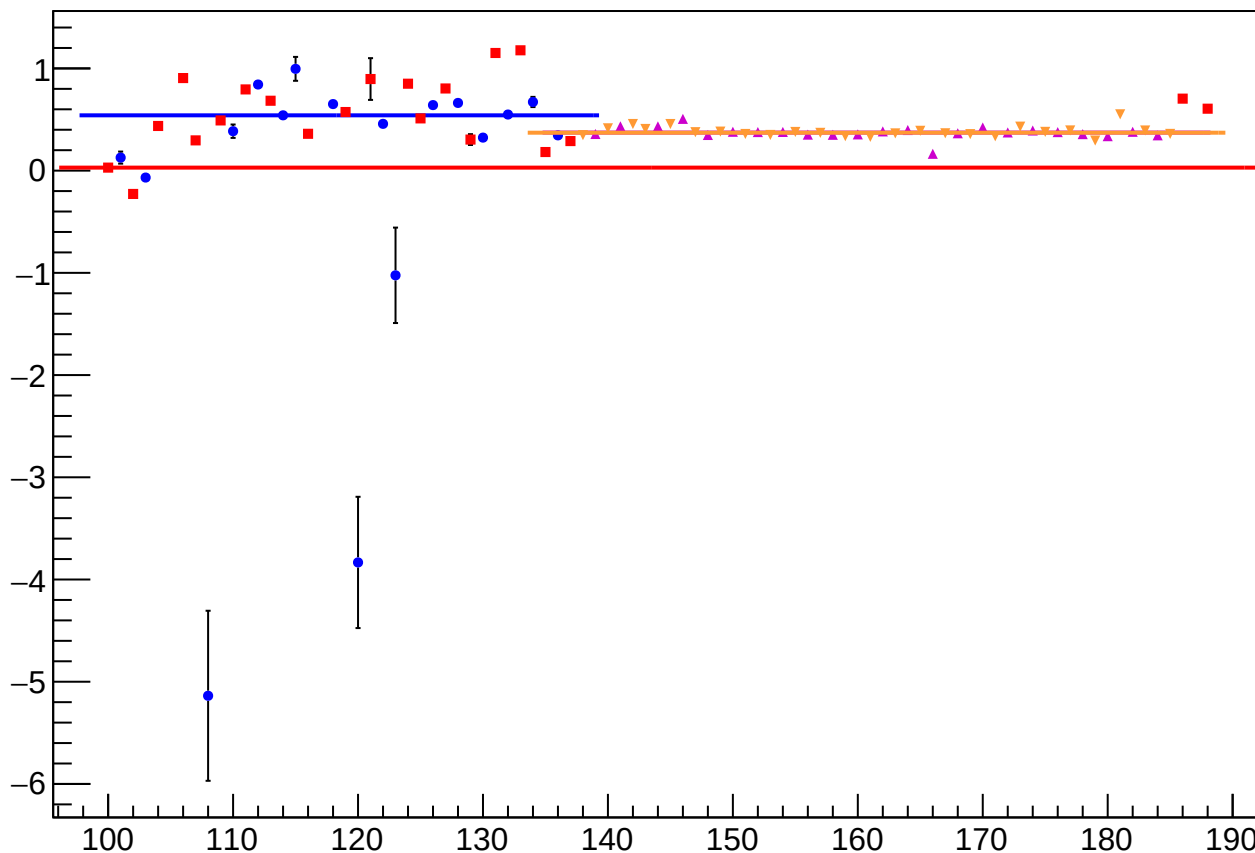
Right: -74.974 ± 0.000 $\chi^2/\text{NDF}: 2602393.4/37$

In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 516767.6/39$

Out: -100.594 ± 0.016 $\chi^2/\text{NDF}: 113544.2/45$

All: -74.974 ± 0.000 $\chi^2/\text{NDF}: 3274965.7/85$

dit_sam8_11X12X_slope vs Slug, Sign Corrected



Right In: 0.541 $\pm$ 0.000 χ^2 /NDF: 29180.5/16

Left Out: 0.371 $\pm$ 0.000 χ^2 /NDF:6797.7/24

Right Out: 0.030 $\pm$ 0.000 χ^2 /NDF: 124232.1/20

Left In: 0.372 $\pm$ 0.000 χ^2 /NDF:6020.6/22

Left: 0.372 $\pm$ 0.000 χ^2 /NDF: 12824.6/47

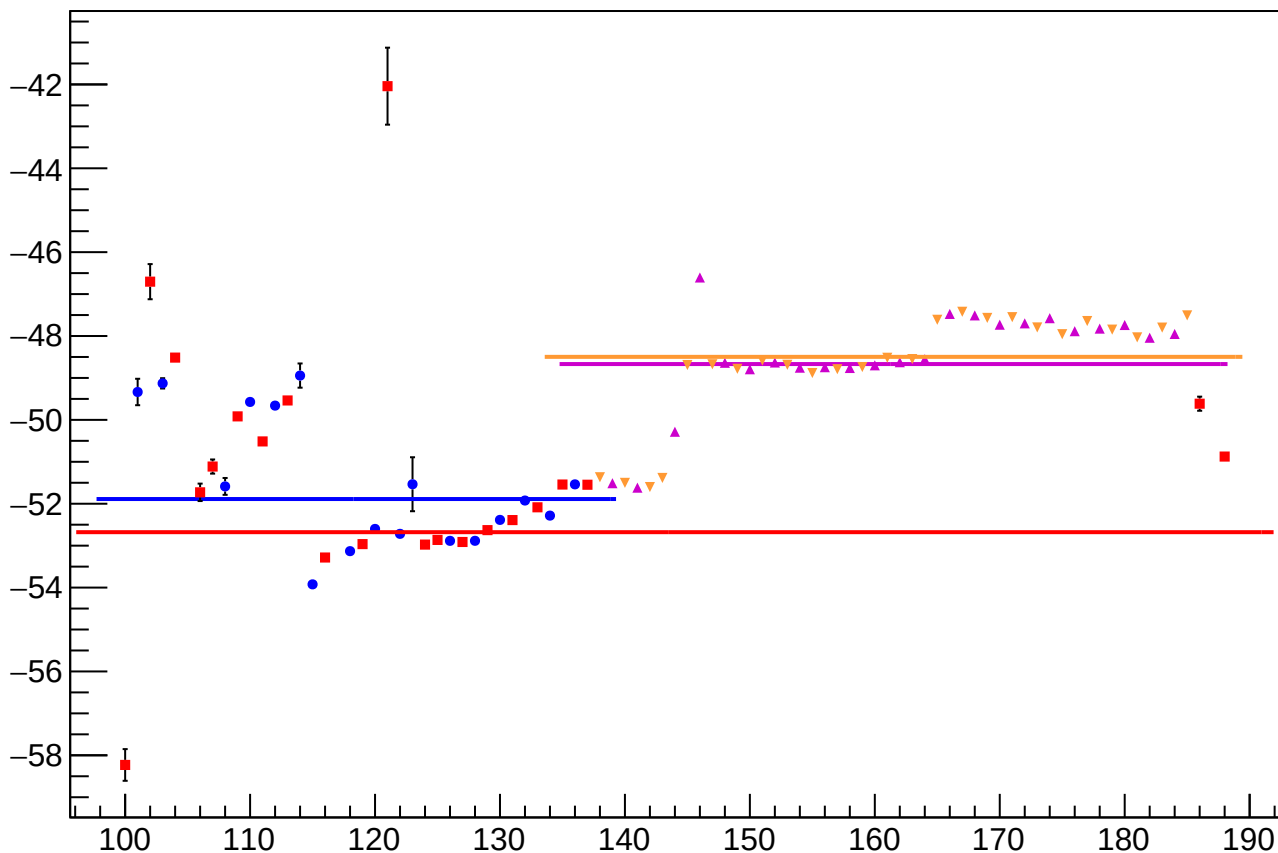
Right: 0.030 $\pm$ 0.000 χ^2 /NDF: 23314297700963382

In: 0.541 $\pm$ 0.000 χ^2 /NDF:334316.9/39

Out: 0.030 $\pm$ 0.000 χ^2 /NDF:984821.6/45

All: 0.030 $\pm$ 0.000 χ^2 /NDF: 23314297700963

dit_sam8_4aY_slope vs Slug, Sign Corrected



Right In: -51.888 ± 0.002 $\chi^2/\text{NDF}: 77585.2/16$

Left Out: -48.497 ± 0.001 $\chi^2/\text{NDF}: 699790.4/24$

Right Out: -52.678 ± 0.003 $\chi^2/\text{NDF}: 57753.5/20$

Left In: -48.669 ± 0.001 $\chi^2/\text{NDF}: 809321.2/22$

Left: -48.594 ± 0.001 $\chi^2/\text{NDF}: 1523797.8/47$

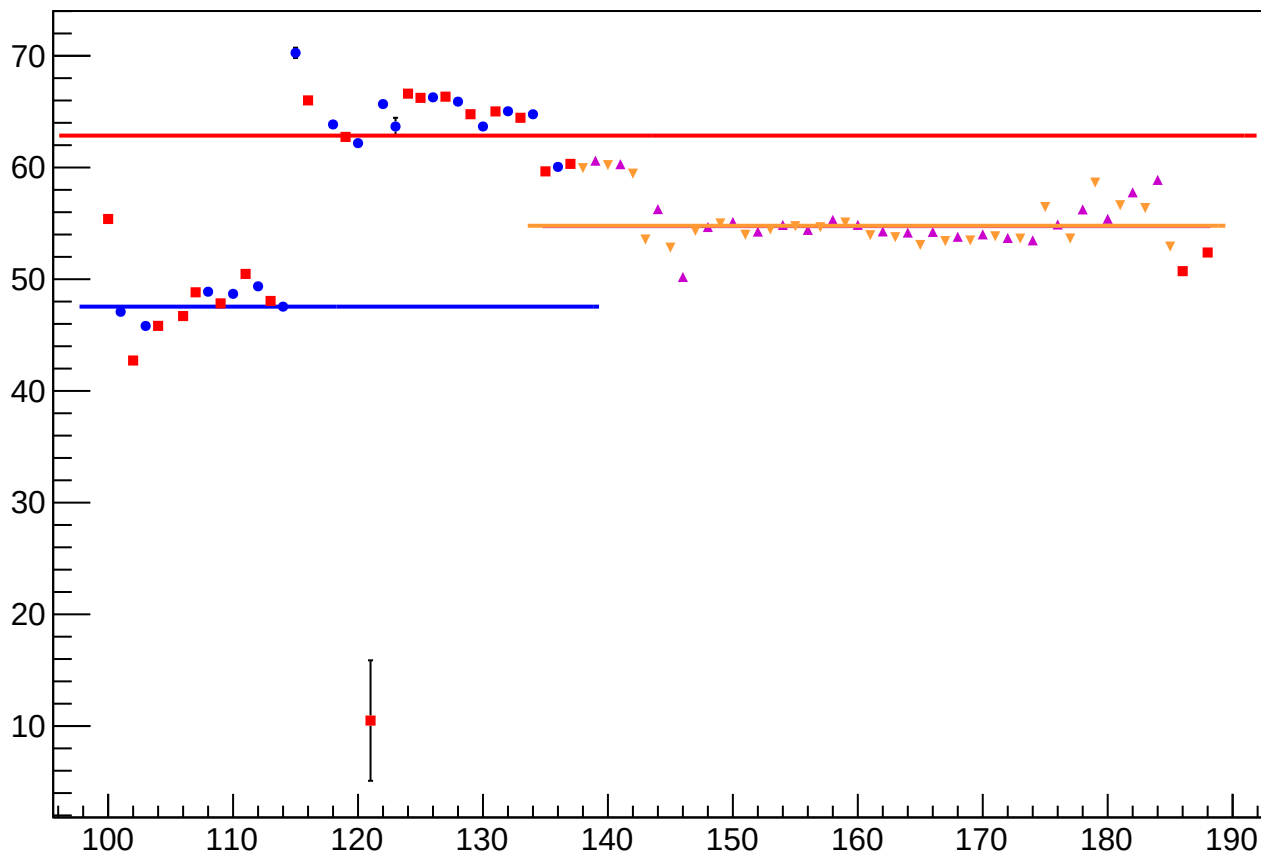
Right: -52.229 ± 0.002 $\chi^2/\text{NDF}: 189692.7/37$

In: -49.152 ± 0.001 $\chi^2/\text{NDF}: 2661218.9/39$

Out: -49.116 ± 0.001 $\chi^2/\text{NDF}: 3037782.8/45$

All: -49.136 ± 0.001 $\chi^2/\text{NDF}: 5699747.6/85$

dit_sam8_4eY_slope vs Slug, Sign Corrected



Right In: 47.545+/-0.000 χ^2/NDF : 3491700.1/16

Left Out: 54.787+/-0.003 χ^2/NDF :301226.3/24

Right Out: 62.857+/-0.007 χ^2/NDF : 380023.2/20

Left In: 54.755+/-0.003 χ^2/NDF :100763.3/22

Left: 54.769+/-0.002 χ^2/NDF : 402054.6/47

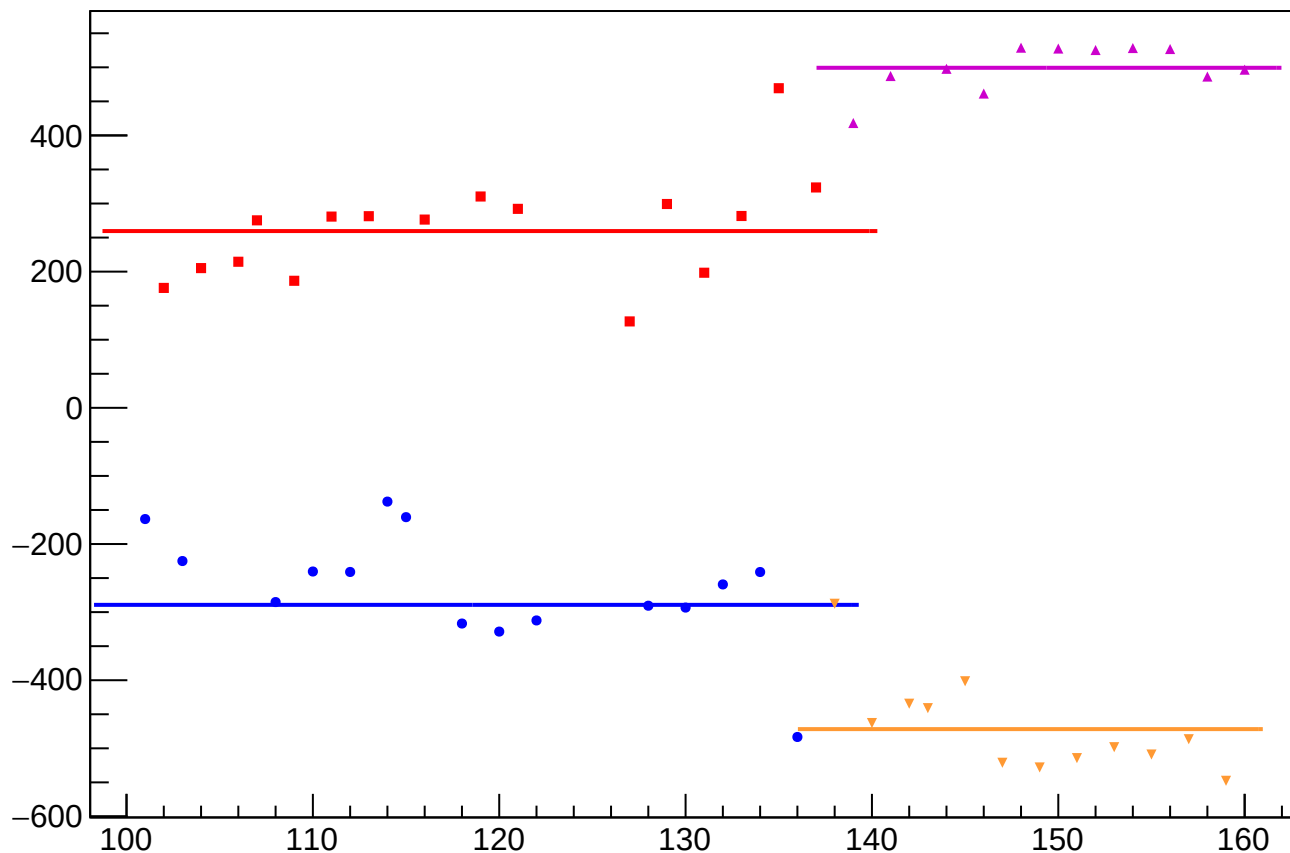
Right: 47.545+/-0.000 χ^2/NDF : 8163985.8/37

In: 47.545+/-0.000 χ^2/NDF :11247259.6/39

Out: 55.893+/-0.003 χ^2/NDF :1710161.2/45

All: 47.545+/-0.000 χ^2/NDF : 22268396.1/85

dit_4aX_coil1_mean vs Slug, Sign Corrected



Right In: -289.322+/-0.000

Left Out: -471.791+/-0.000

Right Out: 259.558+/-0.000

Left In: 499.323+/-0.000

χ^2/NDF : 53696816404891478649585392183934976.0/14

χ^2/NDF : 4407577357733372304653153526381281280.0/11

χ^2/NDF : 4299886792692123970784563983770714112.0/15

χ^2/NDF : 1018789461606644410107221718465511424.0/10

Left: 16.408+/-0.000 χ^2/NDF : 4387510726187305

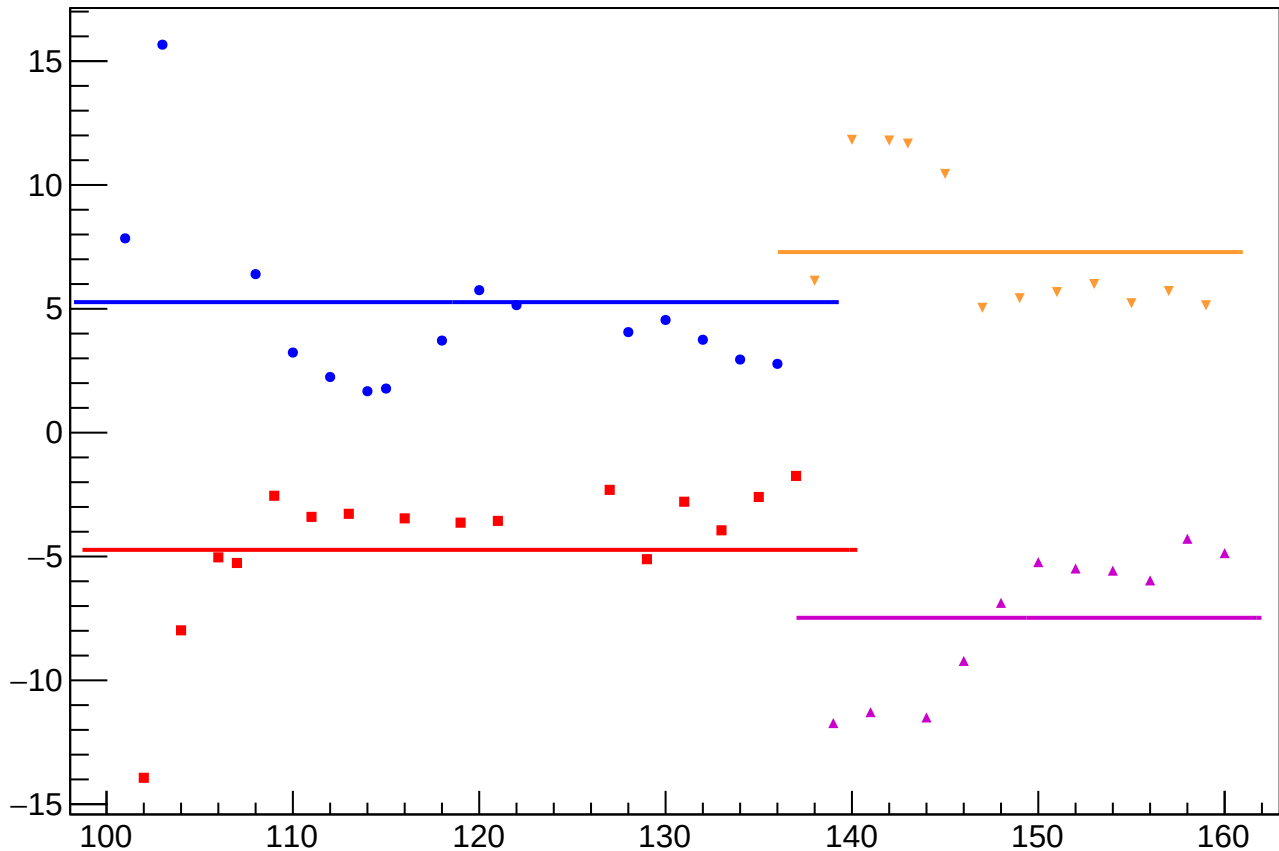
Right: -11.129+/-0.000 χ^2/NDF : 108768514077982

In: 173.938+/-0.000 χ^2/NDF : 2434992102571034

Out: -163.246+/-0.000 χ^2/NDF : 214955339400548

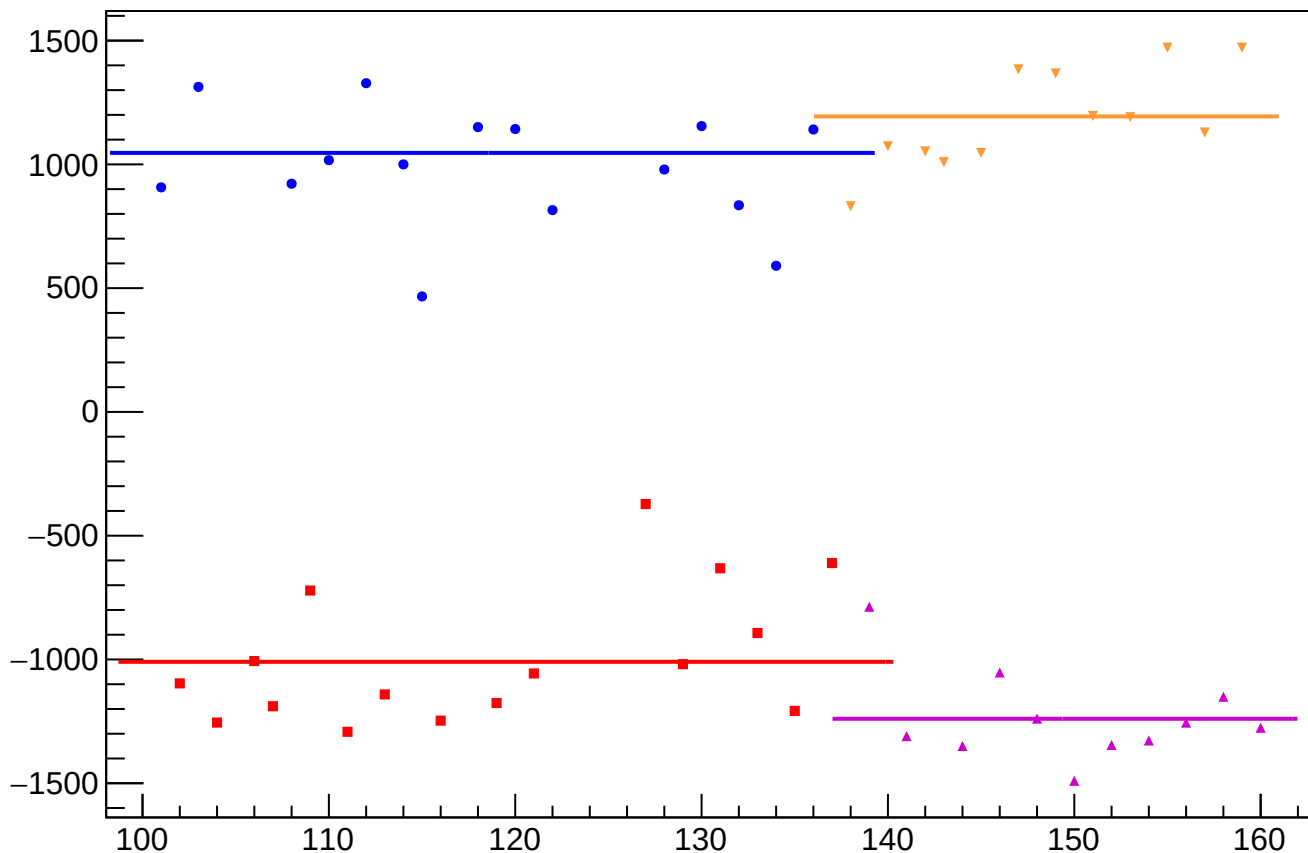
All: 4.918+/-0.000 χ^2/NDF : 54810108058073

dit_4aX_coil1_err_mean vs Slug, Sign Corrected



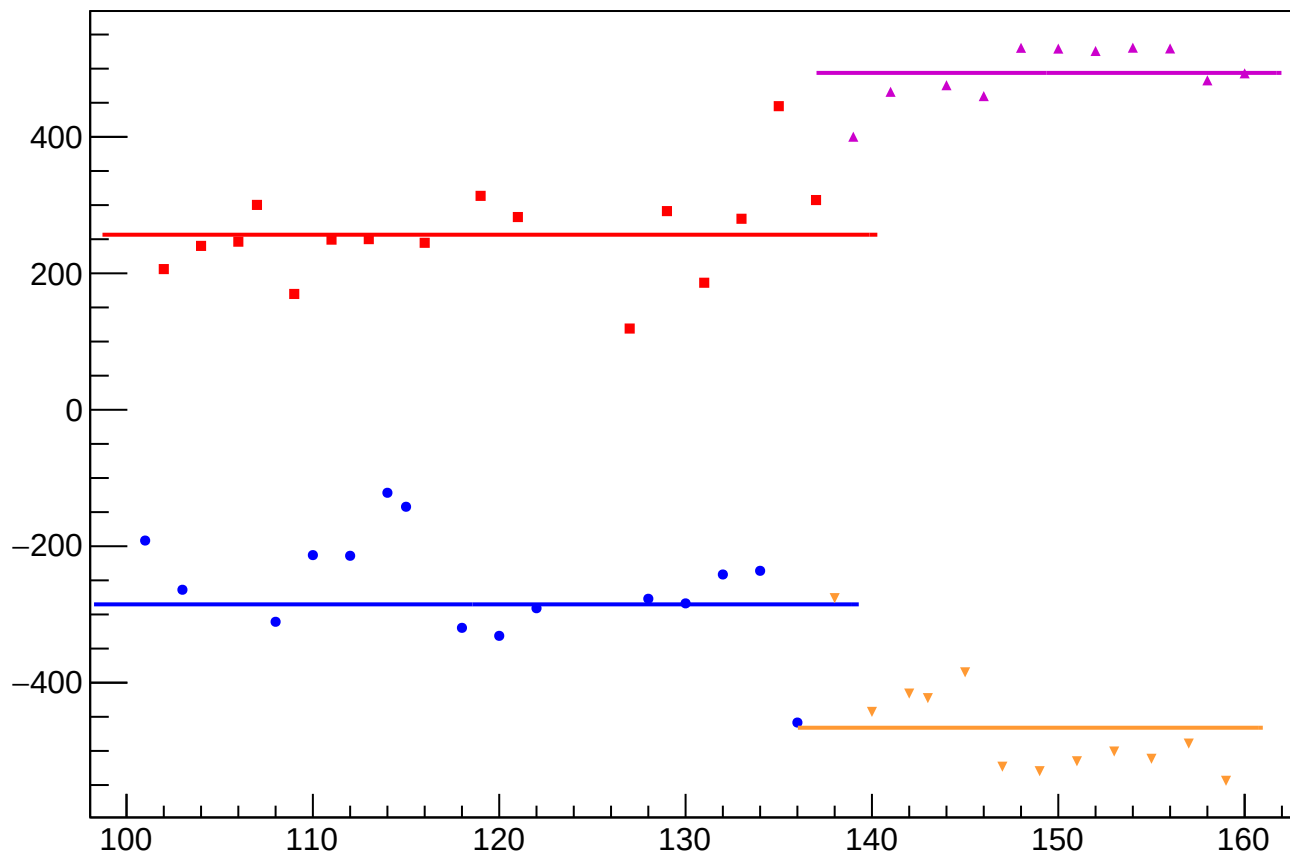
Right In: 5.270 ± 0.000 χ^2/NDF : 8709683292123798330550906790084608.0/14
 Left Out: 7.291 ± 0.000 χ^2/NDF : 6718053515172863885836432351166464.0/11
 Right Out: -4.732 ± 0.000 χ^2/NDF : 6856893072575211562802281426452480.0/15
 Left In: -7.475 ± 0.000 χ^2/NDF : 7057812139399579538870244550377472.0/10
 All: 0.007 ± 0.000 χ^2/NDF : 16250941727402.0/10

dit_4aX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4eX_coil1_mean vs Slug, Sign Corrected



Right In: -285.187+/-0.000

Left Out: -466.012+/-0.000

Right Out: 256.599+/-0.000

Left In: 493.780+/-0.000

χ^2/NDF : 4479585262853549838092521921291747328.0/14

χ^2/NDF : 5190970068830574132794472761412026368.0/11

χ^2/NDF : 3648271535971039165952602563191767040.0/15

χ^2/NDF : 1451794731277142230901460532226686976.0/10

Left: 16.495+/-0.000 χ^2/NDF : 42992145233665256

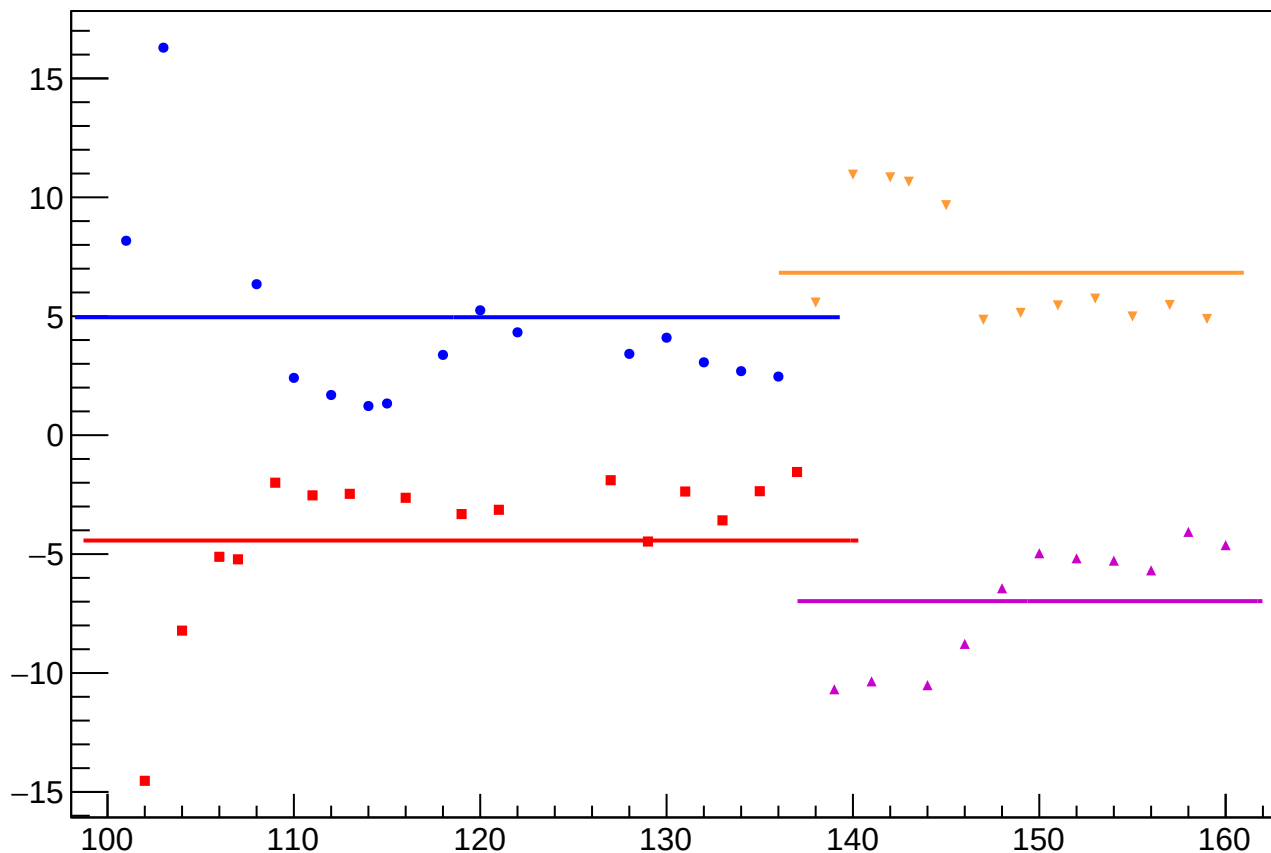
Right: -10.589+/-0.000 χ^2/NDF : 104681795299957

In: 172.388+/-0.000 χ^2/NDF : 23725794461997010

Out: -161.153+/-0.000 χ^2/NDF : 210188051150550

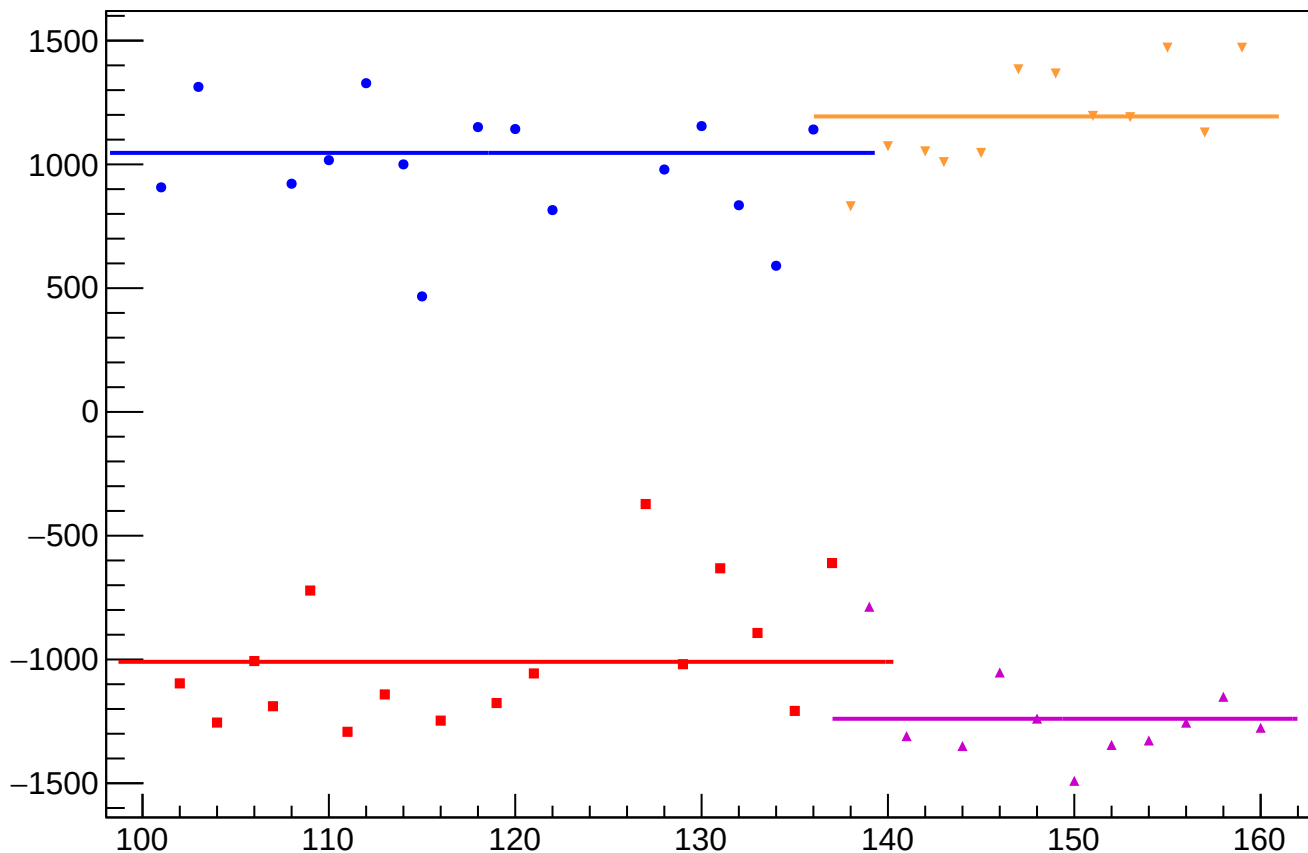
All: 5.194+/-0.000 χ^2/NDF : 53516578605527

dit_4eX_coil1_err_mean vs Slug, Sign Corrected



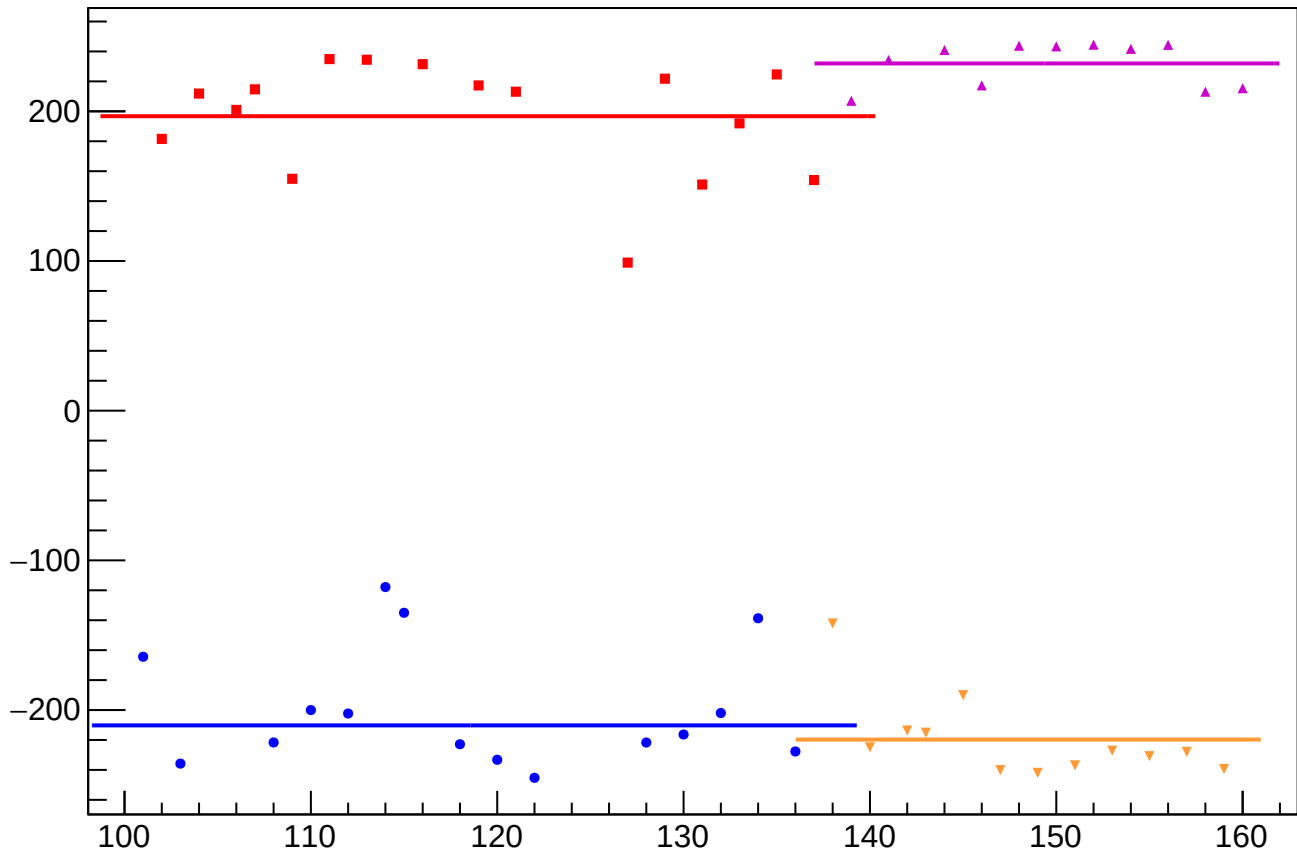
Right In: 4.959 ± 0.000 χ^2/NDF : 10465467057143371817371681641463808.0/14
 Left Out: 6.828 ± 0.000 χ^2/NDF : 5374095498583312473439971131260928.0/11
 Right Out: -4.429 ± 0.000 χ^2/NDF : 8371440400334524571131796772618240.0/15
 Left In: -6.978 ± 0.000 χ^2/NDF : 5622697014277754941158413236699136.0/10
 All: 0.018 ± 0.000 χ^2/NDF : 14647689214070

dit_4eX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -29.533+/-0.000	χ^2/NDF : 2784054454845267
Left Out: 1193.726+/-0.000	χ^2/NDF : 34388618994267285012310712301196935168.0/11	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -296.360+/-0.000	χ^2/NDF : 2046292009130527
Left In: -1239.553+/-0.000	χ^2/NDF : 29116180330425505242594030704390045696.0/10	Out: 264.242+/-0.000	χ^2/NDF : 1950694116005569
		All: -15.348+/-0.000	χ^2/NDF : 424479012287

dit_11X12X_coil1_mean vs Slug, Sign Corrected



Right In: -210.261+/-0.000

Left Out: -219.729+/-0.000

Right Out: 196.736+/-0.000

Left In: 231.985+/-0.000

χ^2/NDF : 567711076568068409192467700494893056.0/14

χ^2/NDF : 691090878567021644145539364306288640.0/11

χ^2/NDF : 90958895093044840633640514790359040.0/15

χ^2/NDF : 182992027280401463139065105290887168.0/10

Left: 7.357+/-0.000 χ^2/NDF : 946302102045066653

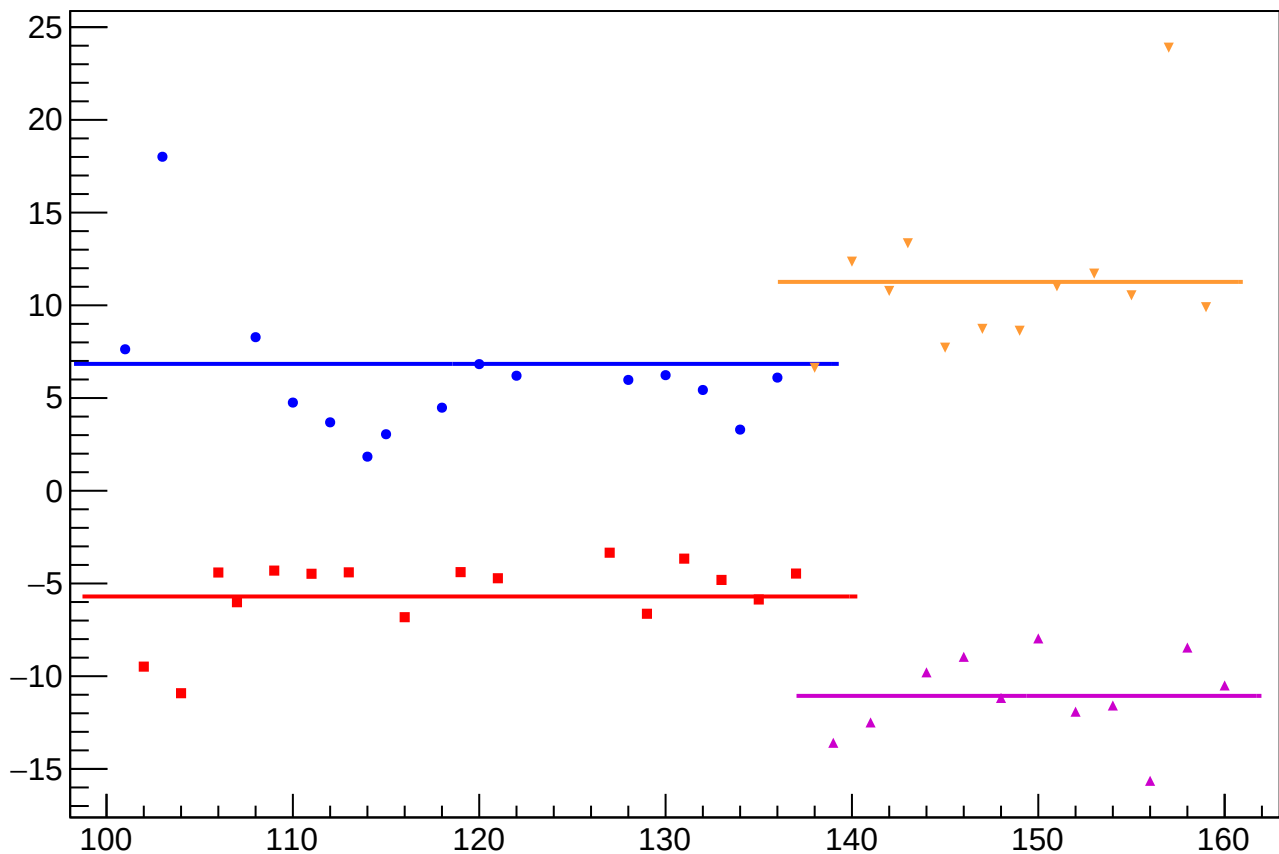
Right: -3.979+/-0.000 χ^2/NDF : 5596508618889263

In: 49.520+/-0.000 χ^2/NDF : 753125513421150554

Out: -44.029+/-0.000 χ^2/NDF : 6848097439733710

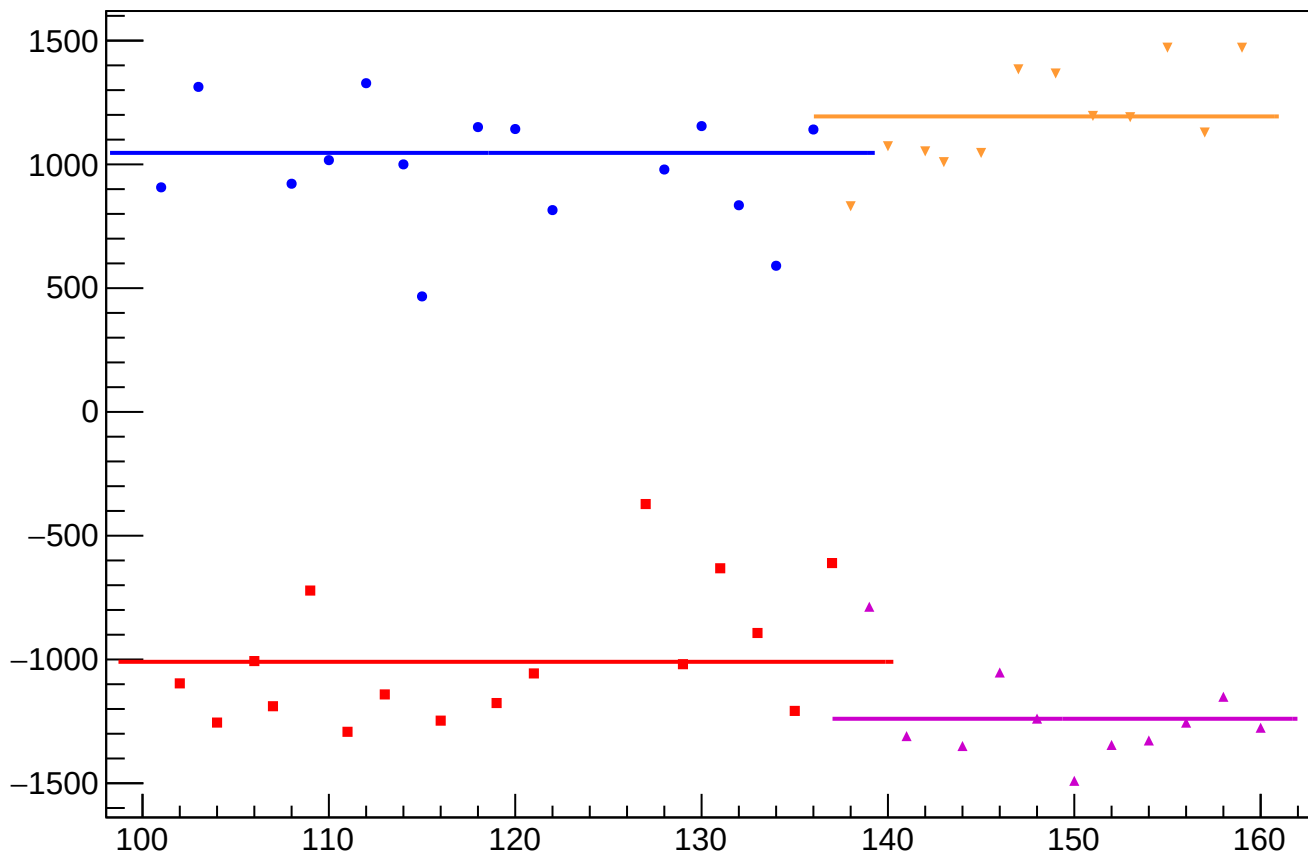
All: 2.627+/-0.000 χ^2/NDF : 15069384503153

dit_11X12X_coil1_err_mean vs Slug, Sign Corrected



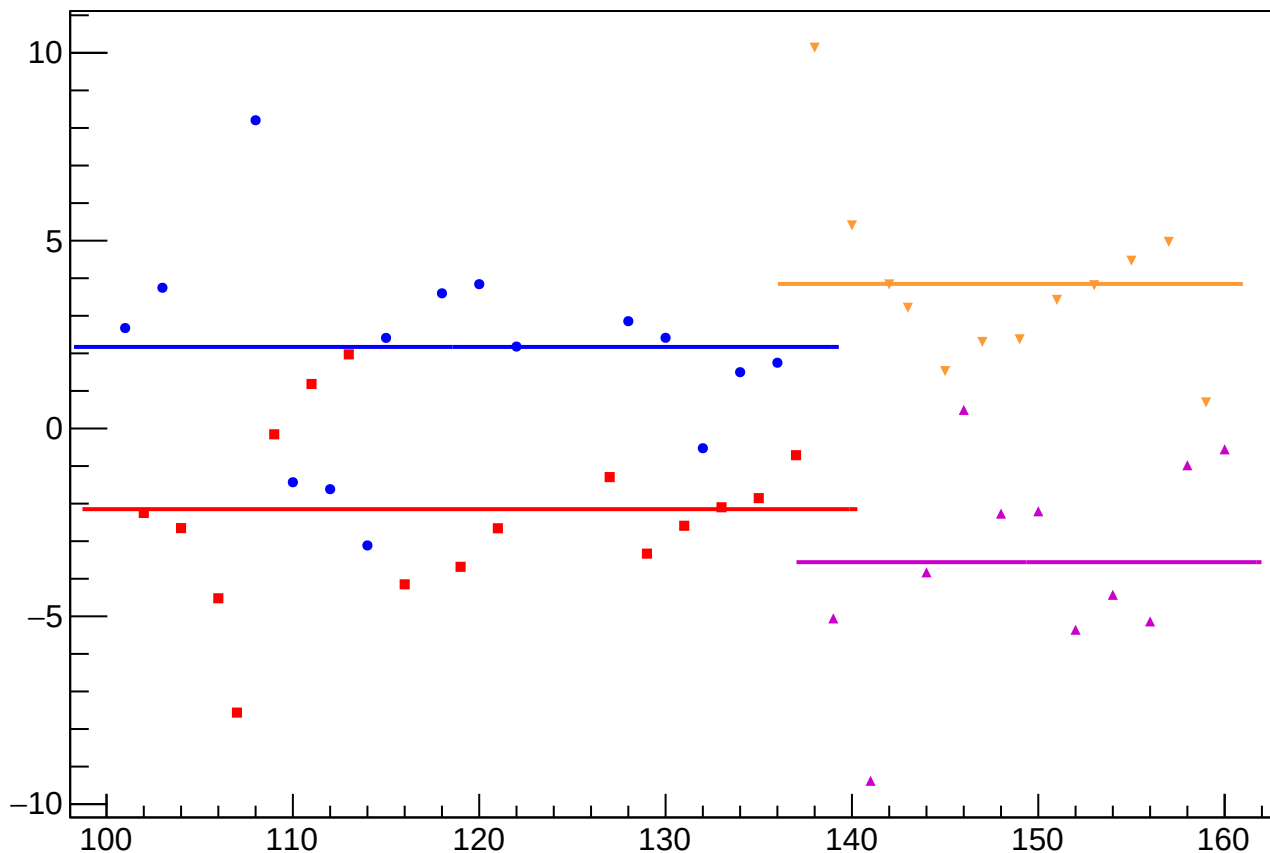
Right In: 6.842 ± 0.000 $\chi^2/\text{NDF}: 9355934166823324467316647620771840.0/14$
 Left Out: 11.263 ± 0.000 $\chi^2/\text{NDF}: 16950484304495826735526537389408256.0/11$
 Right Out: -5.701 ± 0.000 $\chi^2/\text{NDF}: 3174693398300953393137731791486976.0/15$
 Left In: -11.061 ± 0.000 $\chi^2/\text{NDF}: 4417559387784954400311933713514496.0/10$
 All: 0.226 ± 0.000 $\chi^2/\text{NDF}: 31478743415470$

dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected



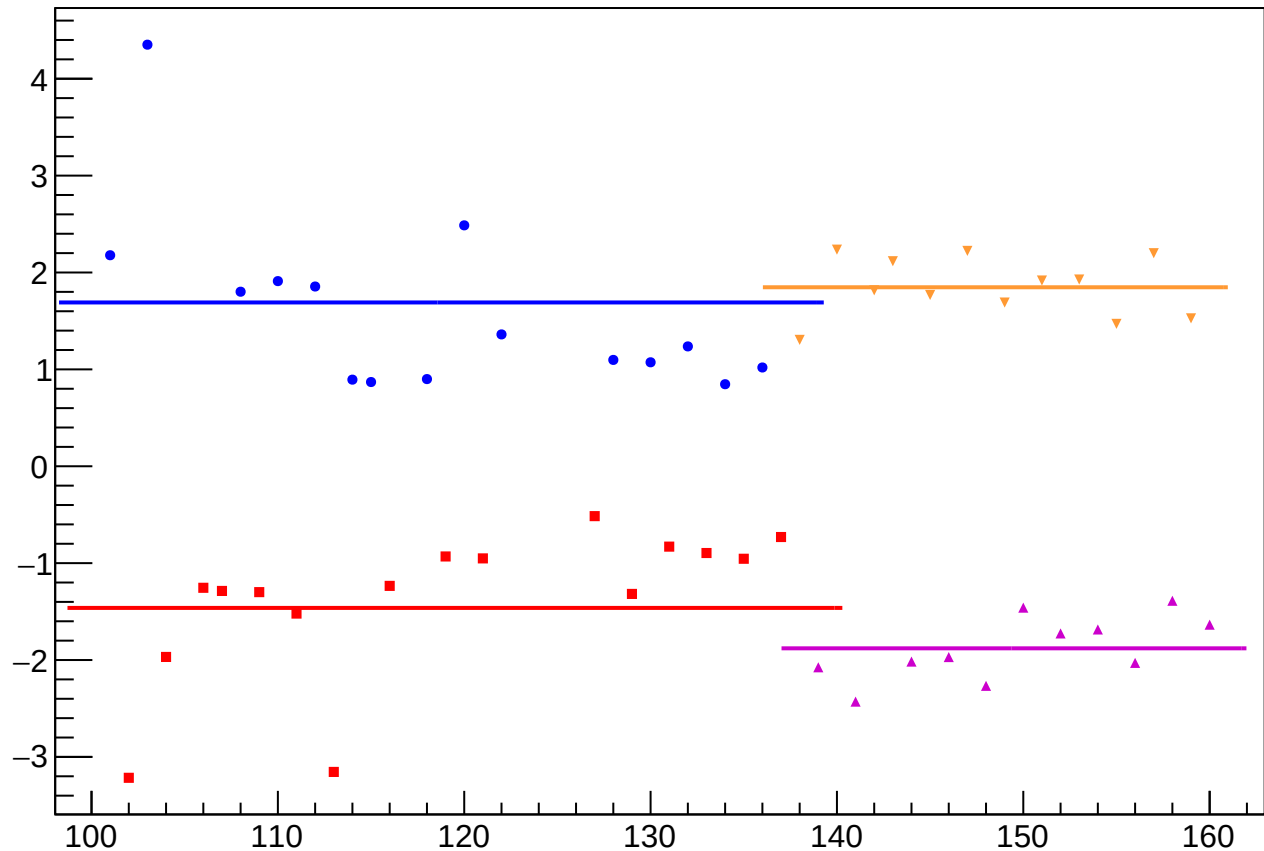
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4aY_coil1_mean vs Slug, Sign Corrected



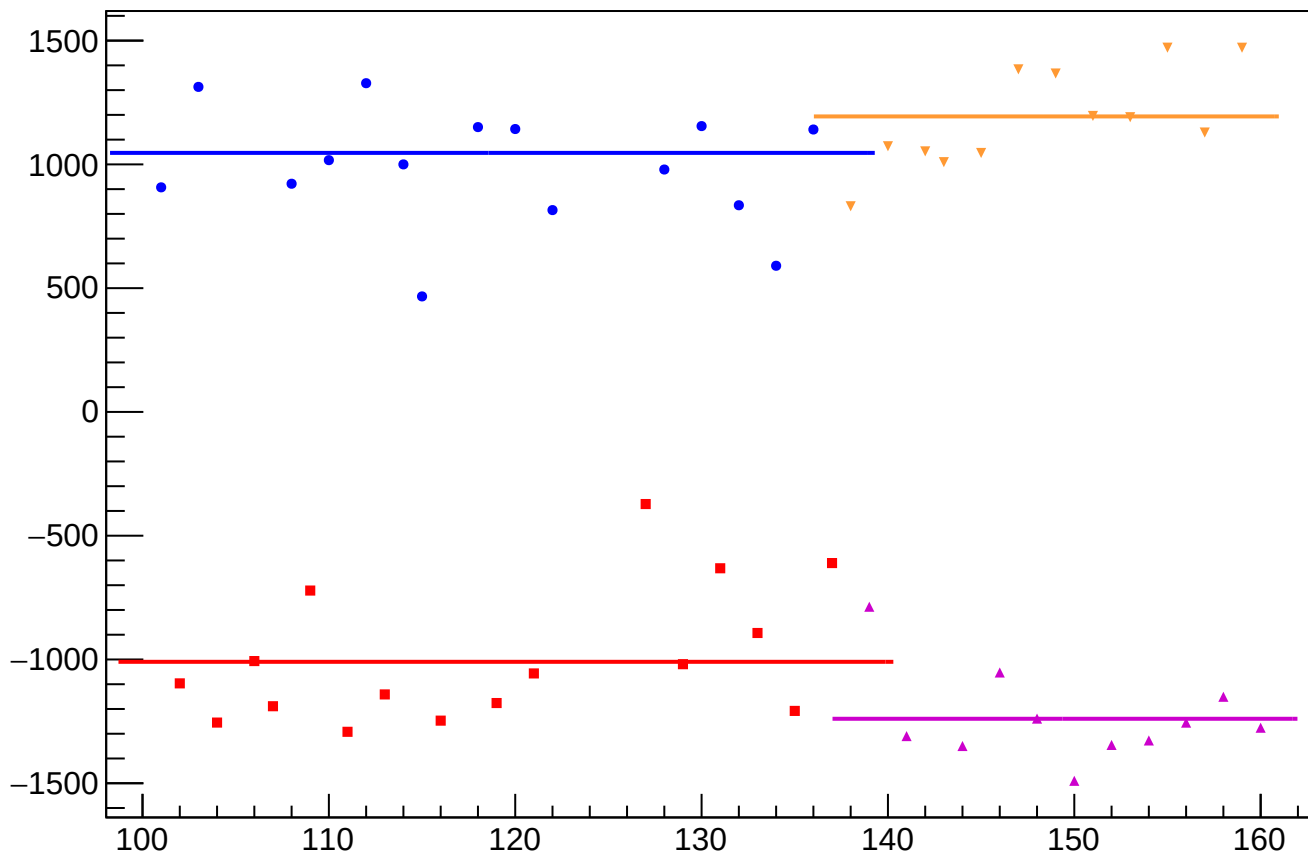
Right In: 2.171 ± 0.000 $\chi^2/\text{NDF}: 3599819246909975678410499691642880.0/14$
 Left Out: 3.848 ± 0.000 $\chi^2/\text{NDF}: 5039599457588936759406360166137856.0/11$
 Right Out: -2.148 ± 0.000 $\chi^2/\text{NDF}: 3093887336239378959606321931878400.0/15$
 Left In: -3.559 ± 0.000 $\chi^2/\text{NDF}: 6492667345109962540652165758713856.0/10$
 All: 0.065 ± 0.000 $\chi^2/\text{NDF}: 49586913800618$

dit_4aY_coil1_err_mean vs Slug, Sign Corrected



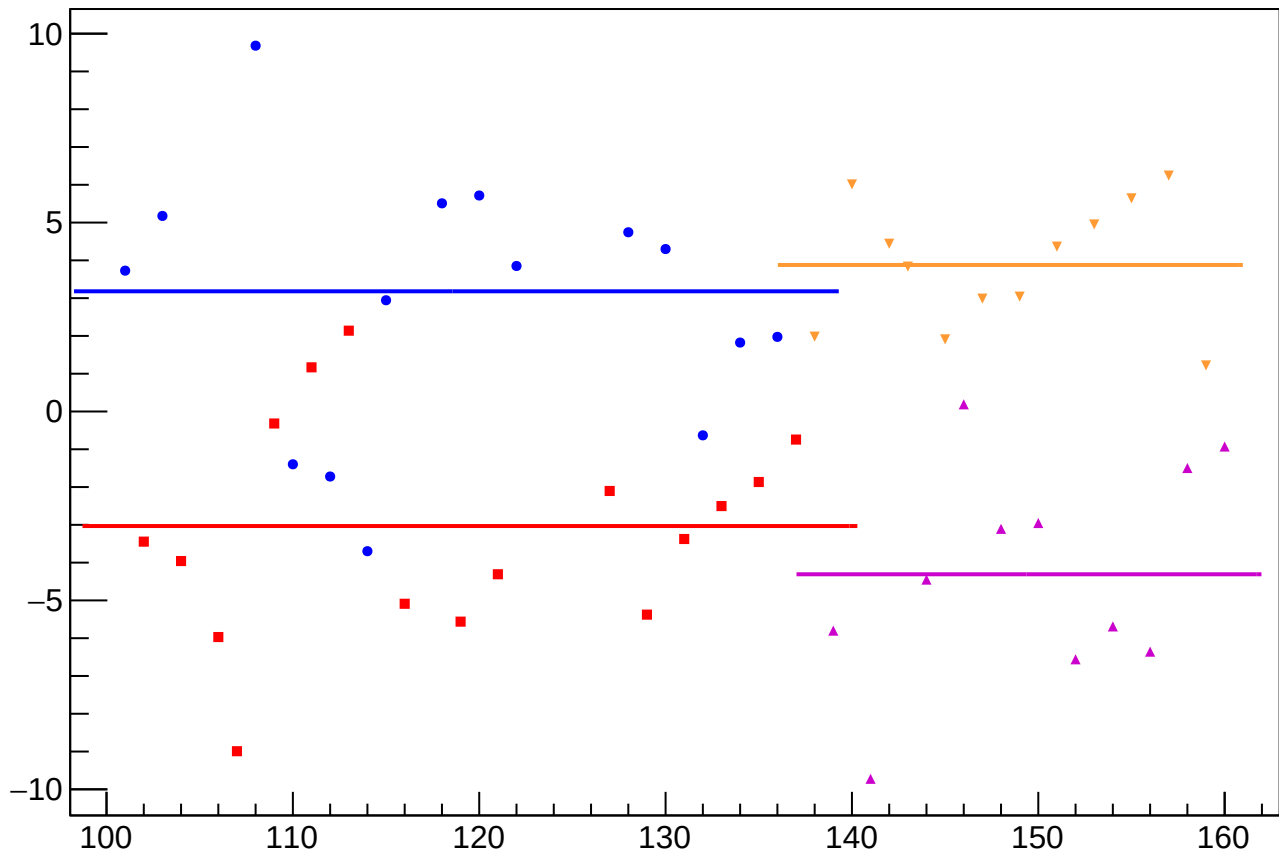
Right In: 1.691 ± 0.000 $\chi^2/\text{NDF}: 612163393317609859674079412355072.0/14$
 Left Out: 1.847 ± 0.000 $\chi^2/\text{NDF}: 84162850183102511254837045231616.0/11$
 Right Out: -1.462 ± 0.000 $\chi^2/\text{NDF}: 444384511662519040022371754835968.0/15$
 Left In: -1.879 ± 0.000 $\chi^2/\text{NDF}: 90968052268112309617342982127616.0/10$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 10893960400462$

dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected



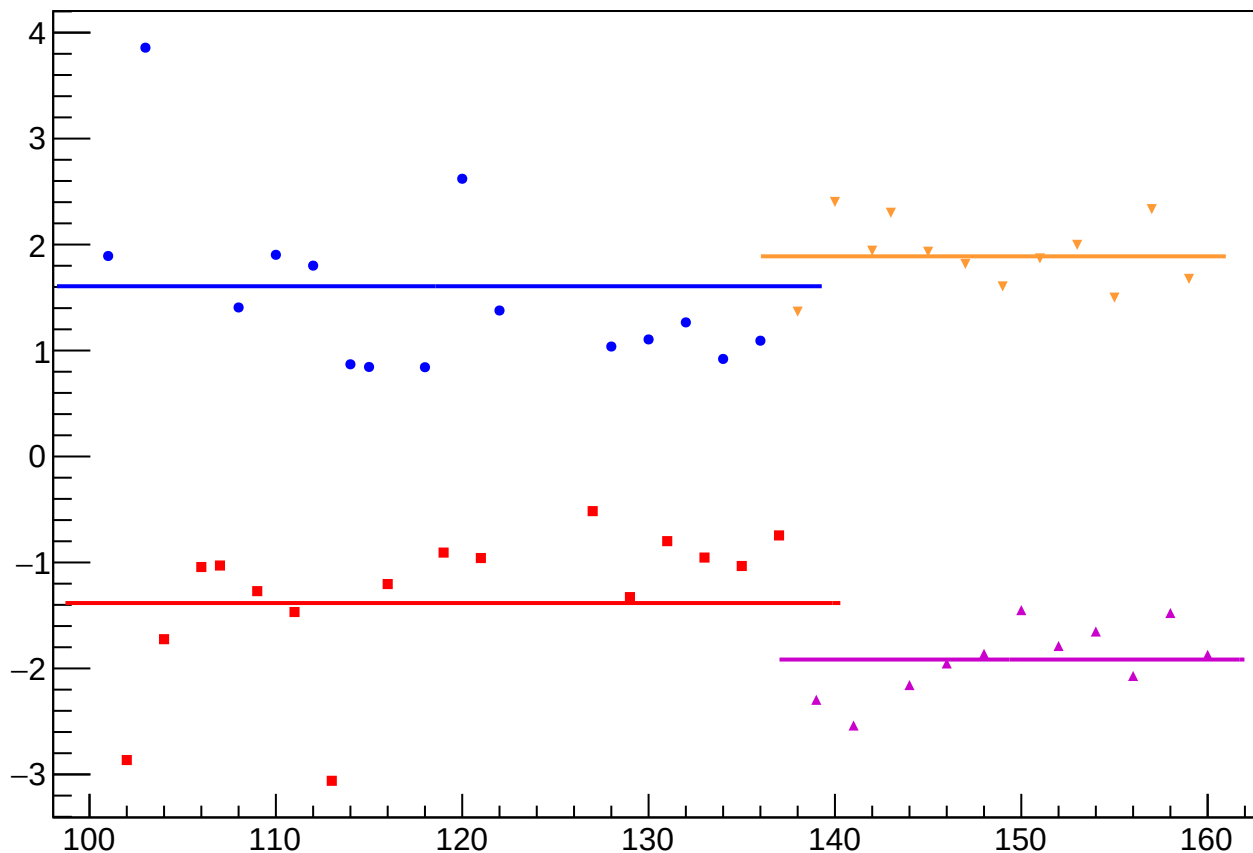
Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -29.533+/-0.000	χ^2/NDF : 2784054454845267
Left Out: 1193.726+/-0.000	χ^2/NDF : 34388618994267285012310712301196935168.0/11	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -296.360+/-0.000	χ^2/NDF : 2046292009130527
Left In: -1239.553+/-0.000	χ^2/NDF : 29116180330425505242594030704390045696.0/10	Out: 264.242+/-0.000	χ^2/NDF : 1950694116005569
		All: -15.348+/-0.000	χ^2/NDF : 424479012287

dit_4eY_coil1_mean vs Slug, Sign Corrected



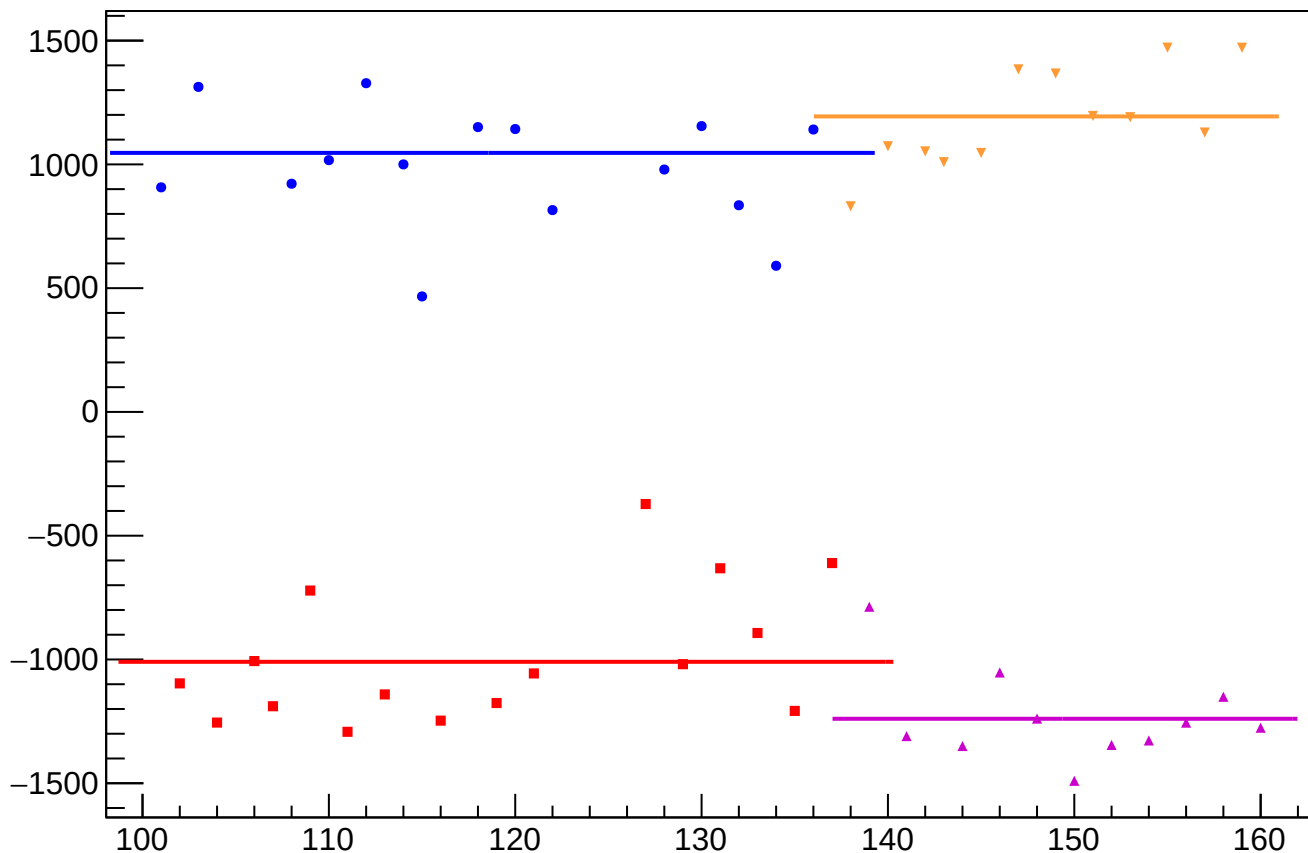
Left: -0.237 ± 0.000 $\chi^2/\text{NDF}: 40330727078704471$
 Right In: 3.181 ± 0.000 $\chi^2/\text{NDF}: 5833303227868252617704566394191872.0/14$
 Right: 0.032 ± 0.000 $\chi^2/\text{NDF}: 23467771565313990$
 Left Out: 3.878 ± 0.000 $\chi^2/\text{NDF}: 2463584640289158504459219897417728.0/11$
 In: -1.218 ± 0.000 $\chi^2/\text{NDF}: 342914810766388262$
 Right Out: -3.032 ± 0.000 $\chi^2/\text{NDF}: 4937209831371793945496546833334272.0/15$
 Out: 0.963 ± 0.000 $\chi^2/\text{NDF}: 258114849490247466$
 Left In: -4.308 ± 0.000 $\chi^2/\text{NDF}: 7073495667694280351803168107003904.0/10$
 All: -0.125 ± 0.000 $\chi^2/\text{NDF}: 6385427084403$

dit_4eY_coil1_err_mean vs Slug, Sign Corrected



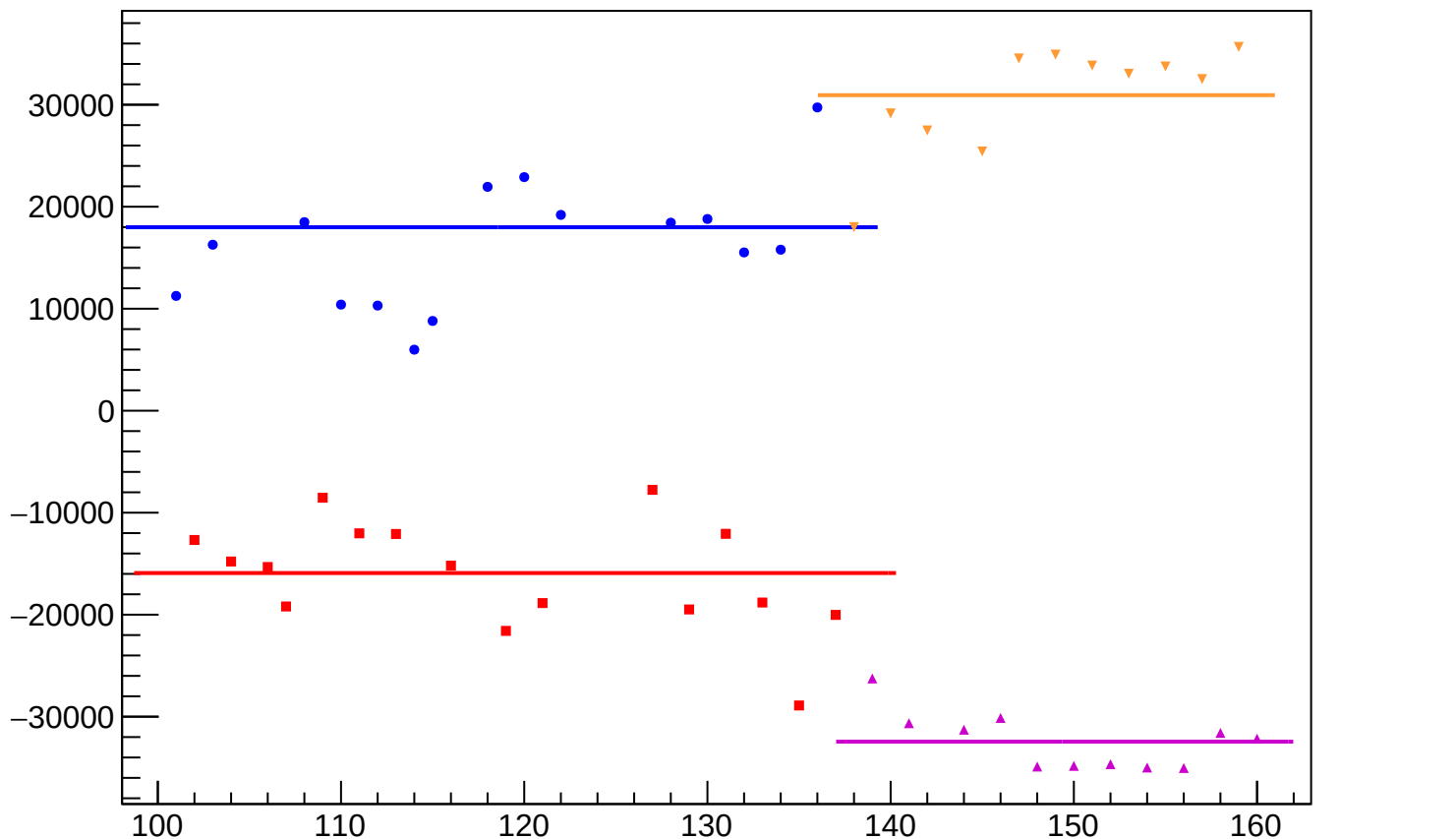
Right In: 1.607 ± 0.000 $\chi^2/\text{NDF}: 460949628640148184181205735833600.0/14$
 Left Out: 1.889 ± 0.000 $\chi^2/\text{NDF}: 94097326064066188177587241484288.0/11$
 Right Out: -1.383 ± 0.000 $\chi^2/\text{NDF}: 358348897016286200957650337792000.0/15$
 Left In: -1.916 ± 0.000 $\chi^2/\text{NDF}: 95276515809016209875699691945984.0/10$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 10610919143090$

dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected



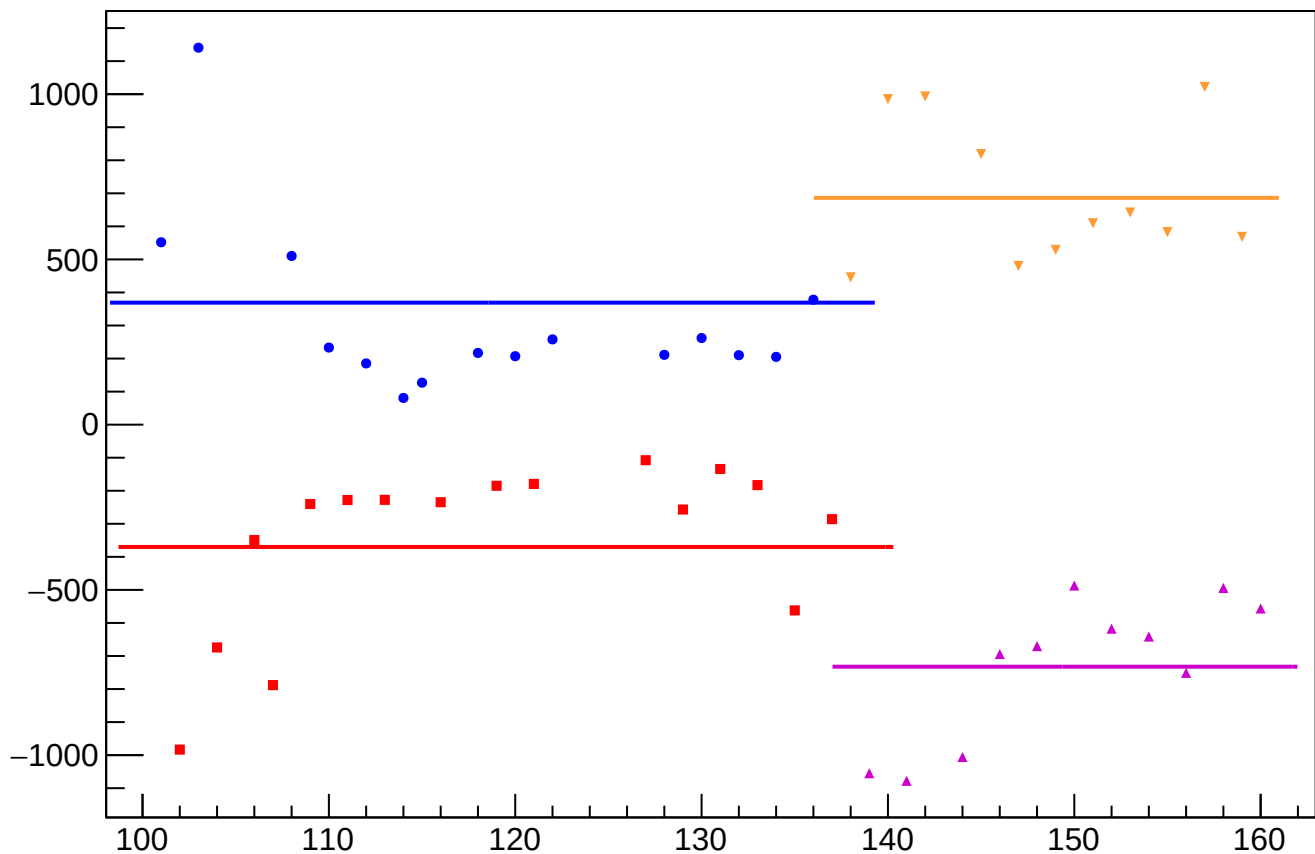
Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -29.533+/-0.000	χ^2/NDF : 2784054454845267
Left Out: 1193.726+/-0.000	χ^2/NDF : 34388618994267285012310712301196935168.0/11	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -296.360+/-0.000	χ^2/NDF : 2046292009130527
Left In: -1239.553+/-0.000	χ^2/NDF : 29116180330425505242594030704390045696.0/10	Out: 264.242+/-0.000	χ^2/NDF : 1950694116005569
		All: -15.348+/-0.000	χ^2/NDF : 424479012287

dit_usl_coil1_mean vs Slug, Sign Corrected



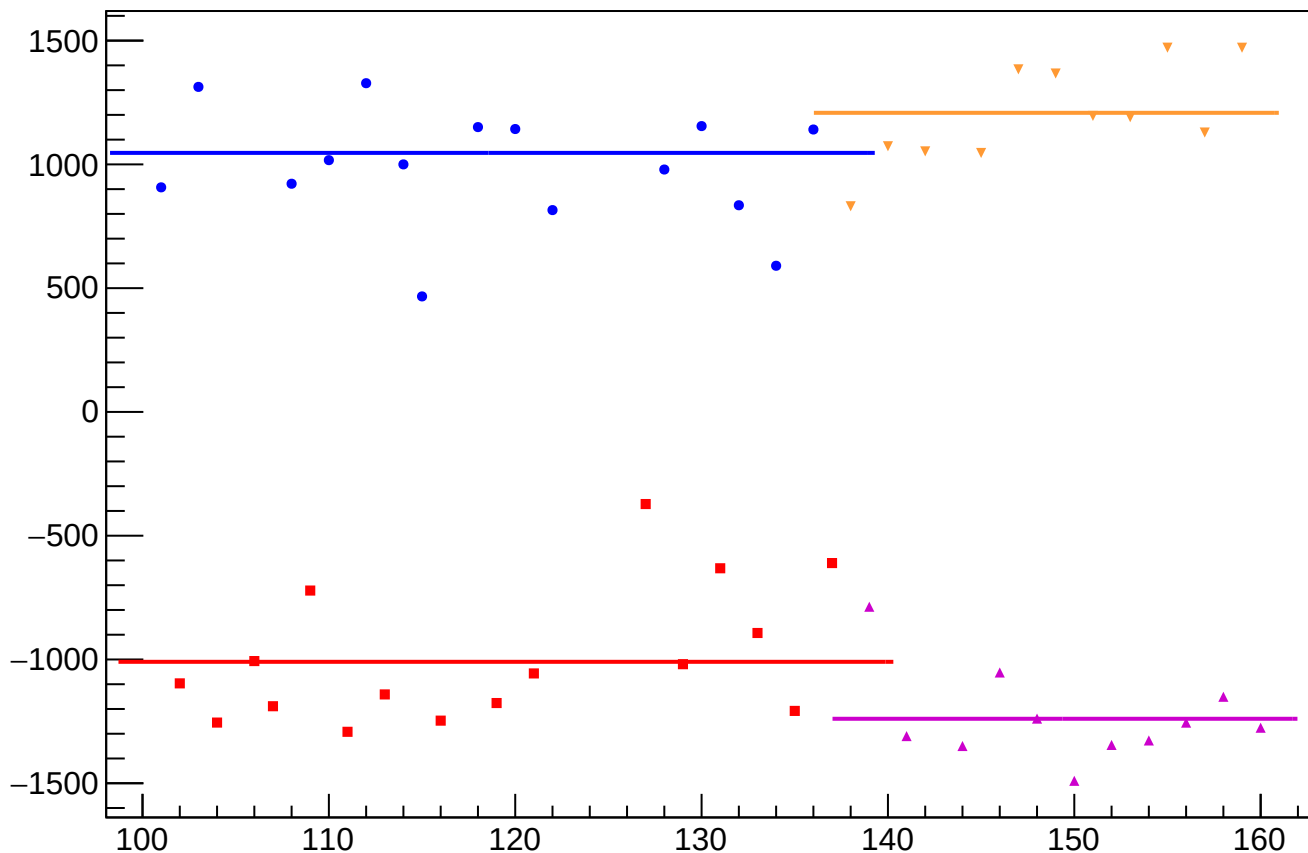
Right In: 17988.185+/-0.000 χ^2/NDF : 24815111809984217103544001237552952508416.0/14
 Left Out: 30938.190+/-0.000 χ^2/NDF : 22231201695257869773275369100022395174912.0/10
 Right Out: -15915.227+/-0.000 χ^2/NDF : 19954189674705952707042287416087223992320.0/15
 Left In: -32448.675+/-0.000 χ^2/NDF : 6566176061380629796456552080625585094656.0/10
 All: -880.808+/-0.000 χ^2/NDF : 22337383681

dit_usl_coil1_err_mean vs Slug, Sign Corrected



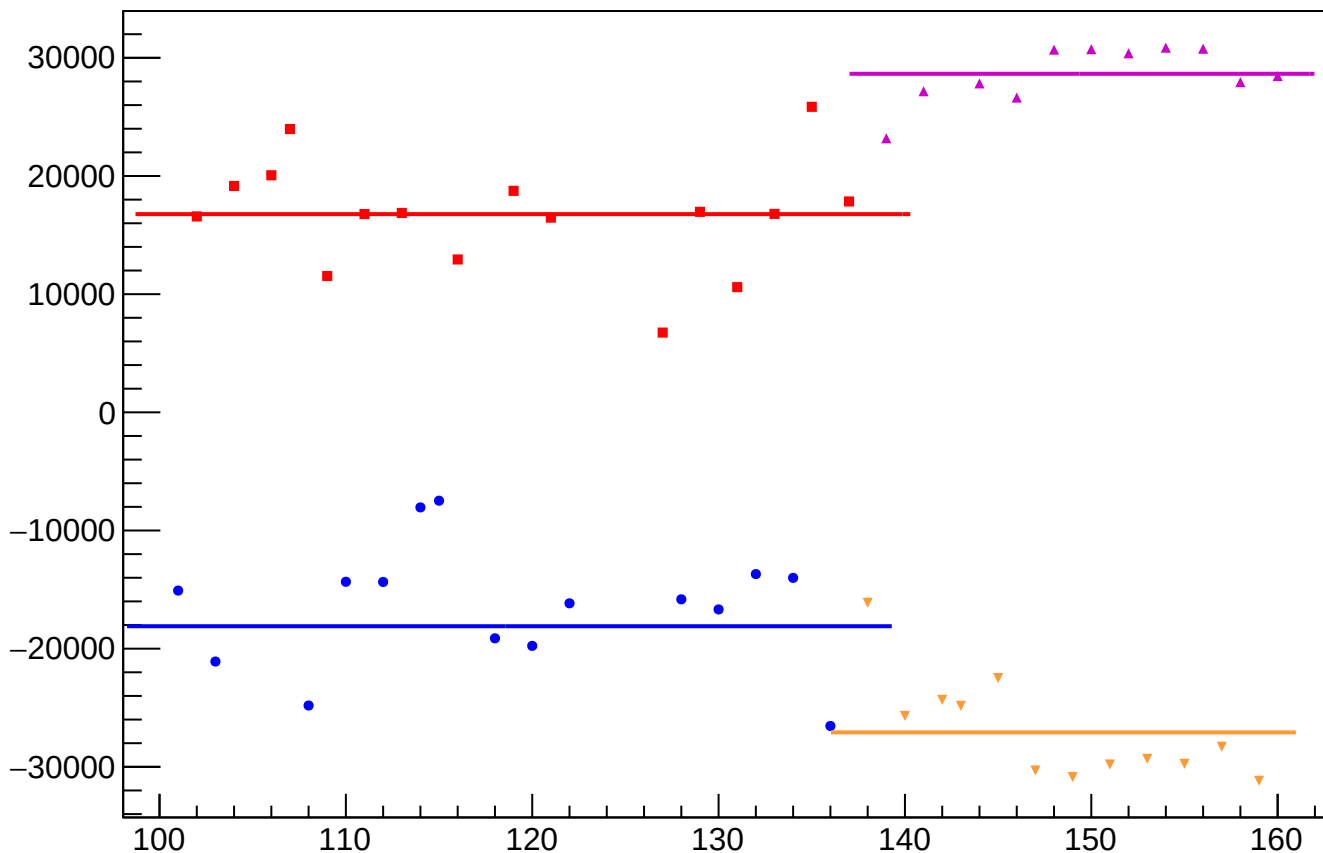
Right In: 369.169 ± 0.000 $\chi^2/\text{NDF}: 48053036789565485994195833341370957824.0/14$
 Left Out: 686.240 ± 0.000 $\chi^2/\text{NDF}: 34417236167842983766159212562513657856.0/10$
 Right Out: -370.091 ± 0.000 $\chi^2/\text{NDF}: 48214462907052107543037037125316902912.0/15$
 Left In: -732.414 ± 0.000 $\chi^2/\text{NDF}: 39942105840529115736569596950263889920.0/10$
 All: -33.290 ± 0.000 $\chi^2/\text{NDF}: 124154771081$

dit_usl_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1208.342+/-0.000 χ^2/NDF : 31920270949065456215955115636701528064.0/10
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -37.580+/-0.000 χ^2/NDF : 417296815174

dit_usr_coil1_mean vs Slug, Sign Corrected



Right In: -18100.637+/-0.000

Left Out: -27085.326+/-0.000

Right Out: 16773.604+/-0.000

Left In: 28650.410+/-0.000

χ^2/NDF : 14634967546173586967632040765428699496448.0/14

χ^2/NDF : 16913671790830002451724713056210492850176.0/11

χ^2/NDF : 14234547931135812277474342886568366178304.0/15

χ^2/NDF : 4838827535981080826725947474344765554688.0/10

Left: 934.162+/-0.000 χ^2/NDF : 1449134260498682

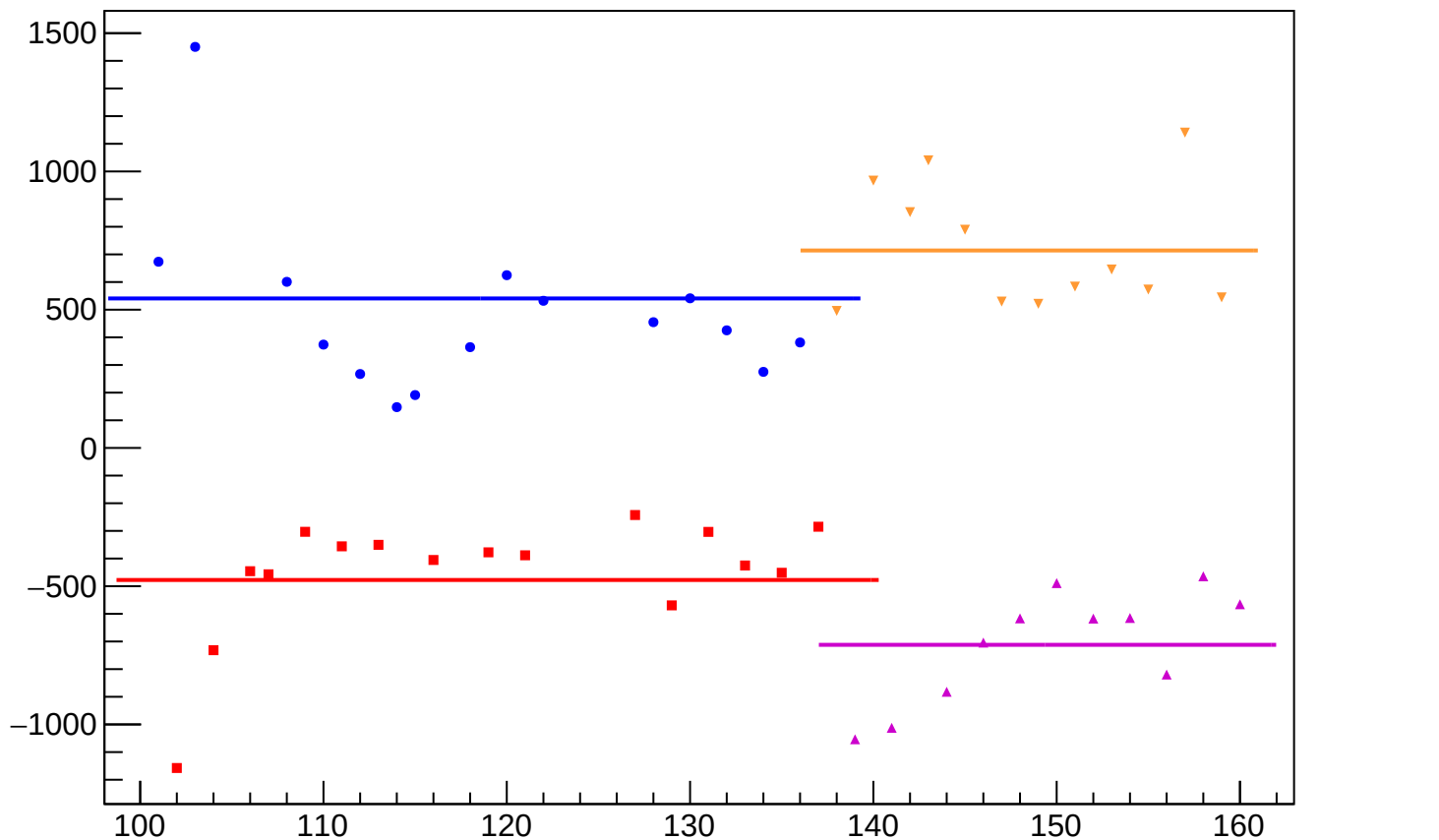
Right: -425.015+/-0.000 χ^2/NDF : 42892863582613

In: 9361.516+/-0.000 χ^2/NDF : 8527147862381255

Out: -8581.907+/-0.000 χ^2/NDF : 77289596182504

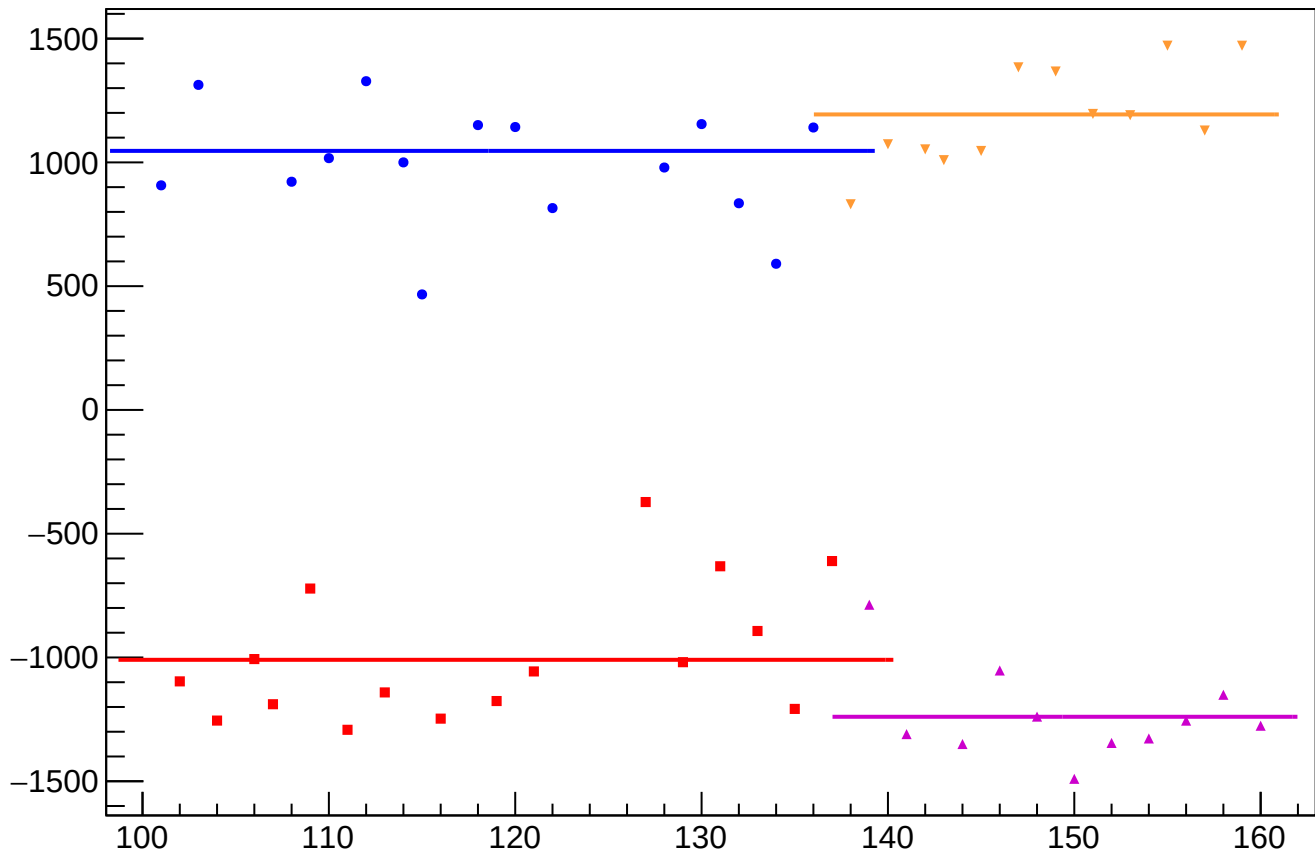
All: 367.048+/-0.000 χ^2/NDF : 18794796419

dit_usr_coil1_err_mean vs Slug, Sign Corrected



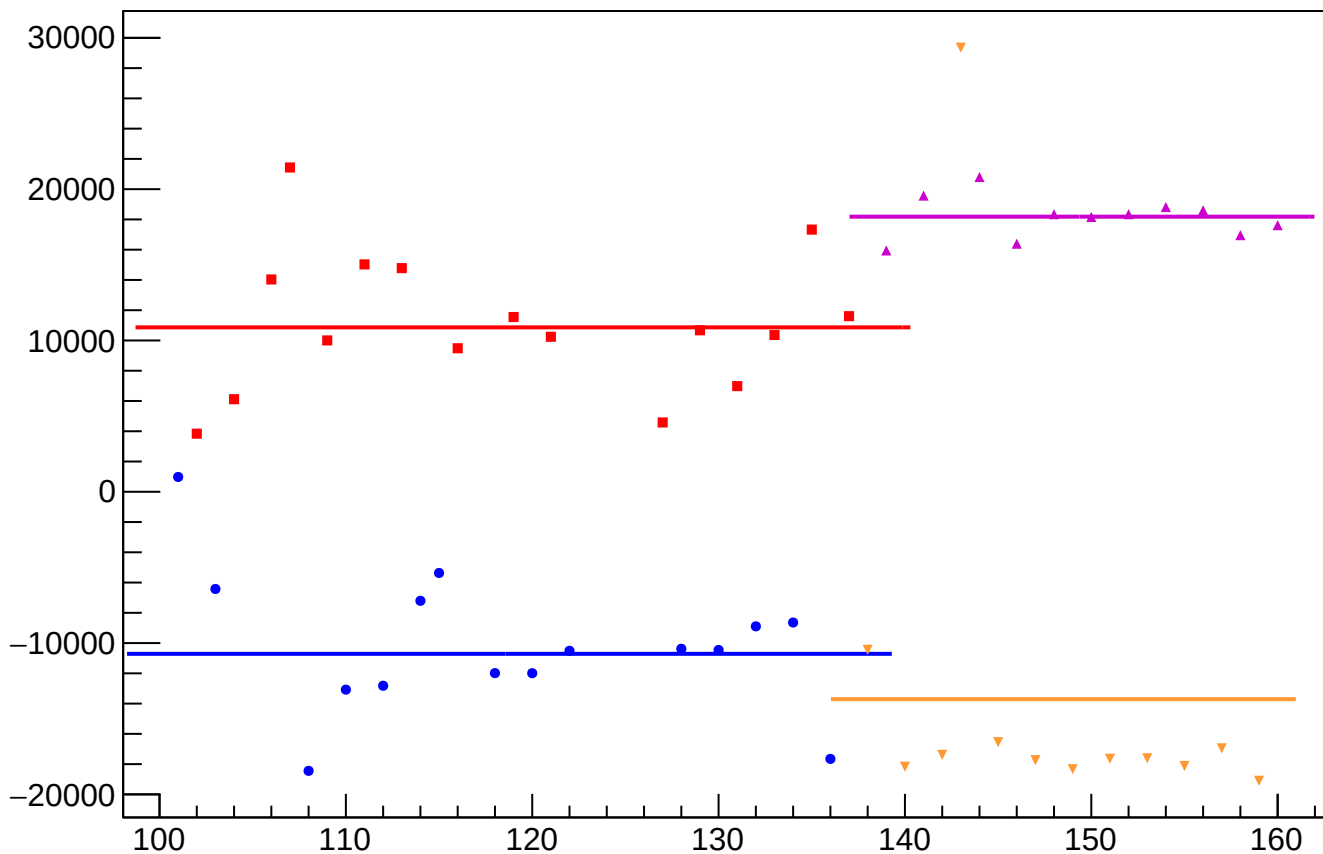
Left: -2.853 ± 0.000 $\chi^2/\text{NDF}: 10119212919667896$
 Right In: 540.663 ± 0.000 $\chi^2/\text{NDF}: 64546819695986774721678785082975846400.0/14$
 Left Out: 714.147 ± 0.000 $\chi^2/\text{NDF}: 43160975478631460248575745928156151808.0/11$
 Right Out: -477.546 ± 0.000 $\chi^2/\text{NDF}: 38798306504296954461537116809760604160.0/15$
 Left In: -712.092 ± 0.000 $\chi^2/\text{NDF}: 34092045920503284936427855101460217856.0/10$
 All: 8.600 ± 0.000 $\chi^2/\text{NDF}: 14568707976042$

dit_usr_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atl1_coil1_mean vs Slug, Sign Corrected



Right In: -10710.292+/-0.000

χ^2/NDF : 16945226152053511840482618402250170564608.0/14

Left Out: -13705.488+/-0.000

χ^2/NDF : 138226511026527050662319693841079709204480.0/11

Right Out: 10866.264+/-0.000

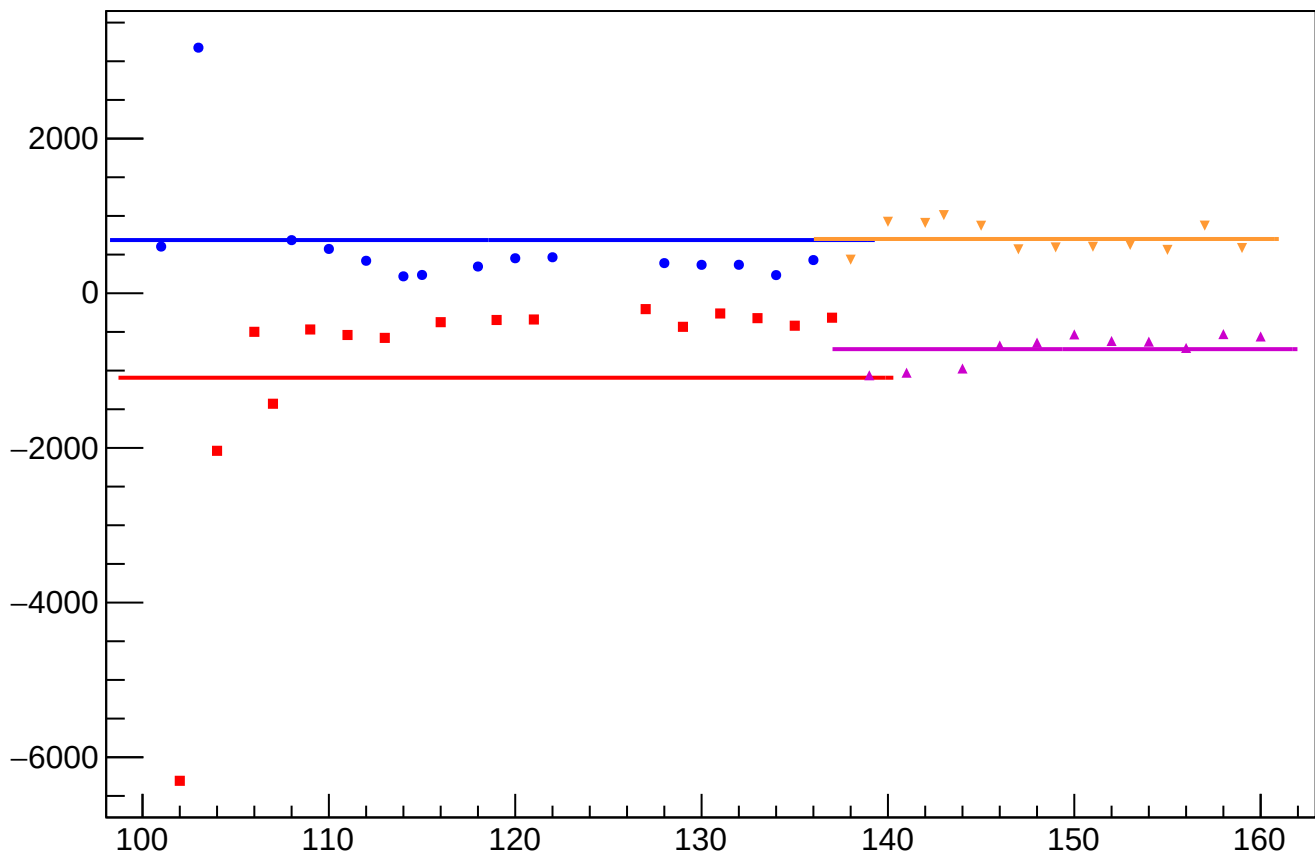
χ^2/NDF : 14234762838858382484525901644131626647552.0/15

Left In: 18181.504+/-0.000

χ^2/NDF : 1643617183572647868818914289162838343680.0/10

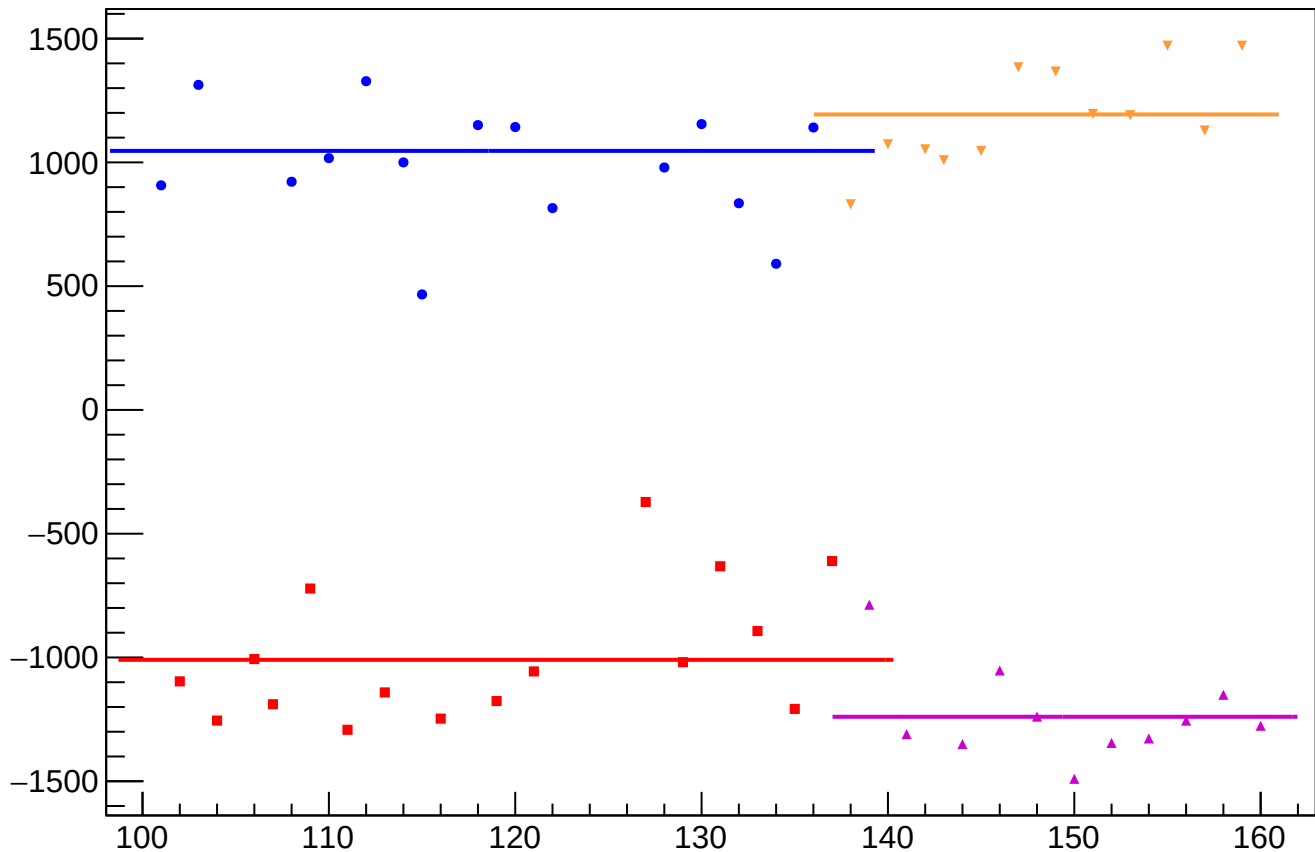
All: 1448.863+/-0.000 χ^2/NDF : 79476286142

dit_atl1_coil1_err_mean vs Slug, Sign Corrected



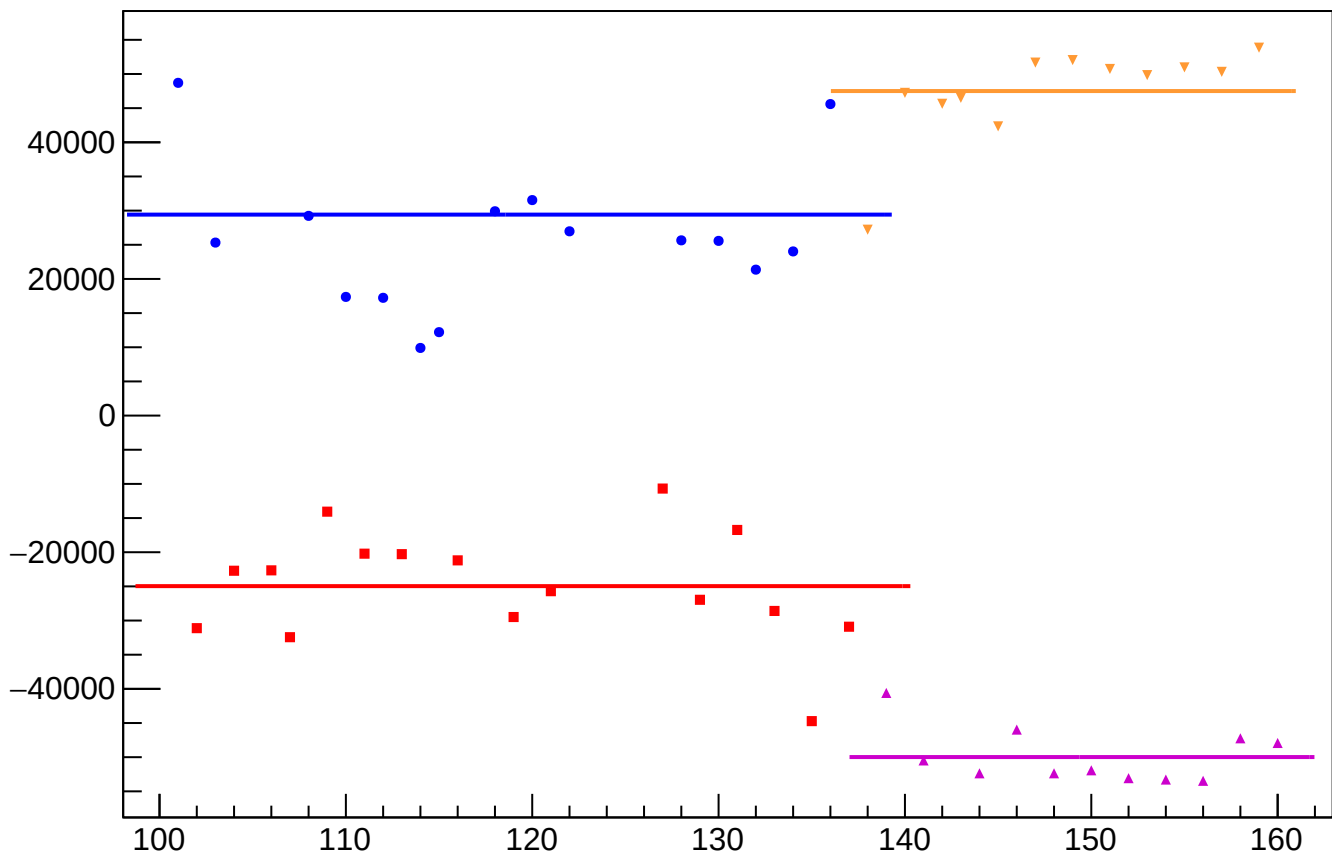
Right In: 687.939 ± 0.000 $\chi^2/\text{NDF}: 409297141104301509817753390759024787456.0/14$
 Left Out: 701.825 ± 0.000 $\chi^2/\text{NDF}: 29011752452264624264282448573098885120.0/11$
 Right Out: -1092.265 ± 0.000 $\chi^2/\text{NDF}: 1883198142929605813456233812946948456448.0/15$
 Left In: -722.743 ± 0.000 $\chi^2/\text{NDF}: 33693137116513948077860330410535288832.0/10$
 All: -97.785 ± 0.000 $\chi^2/\text{NDF}: 436080381727$

dit_atl1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atl2_coil1_mean vs Slug, Sign Corrected



Right In: 29415.830+/-0.000

χ^2/NDF : 71764989638928082906774979753894809174016.0/14

Left Out: 47501.916+/-0.000

χ^2/NDF : 43591715334933801645565199836761766756352.0/11

Right Out: -24963.010+/-0.000

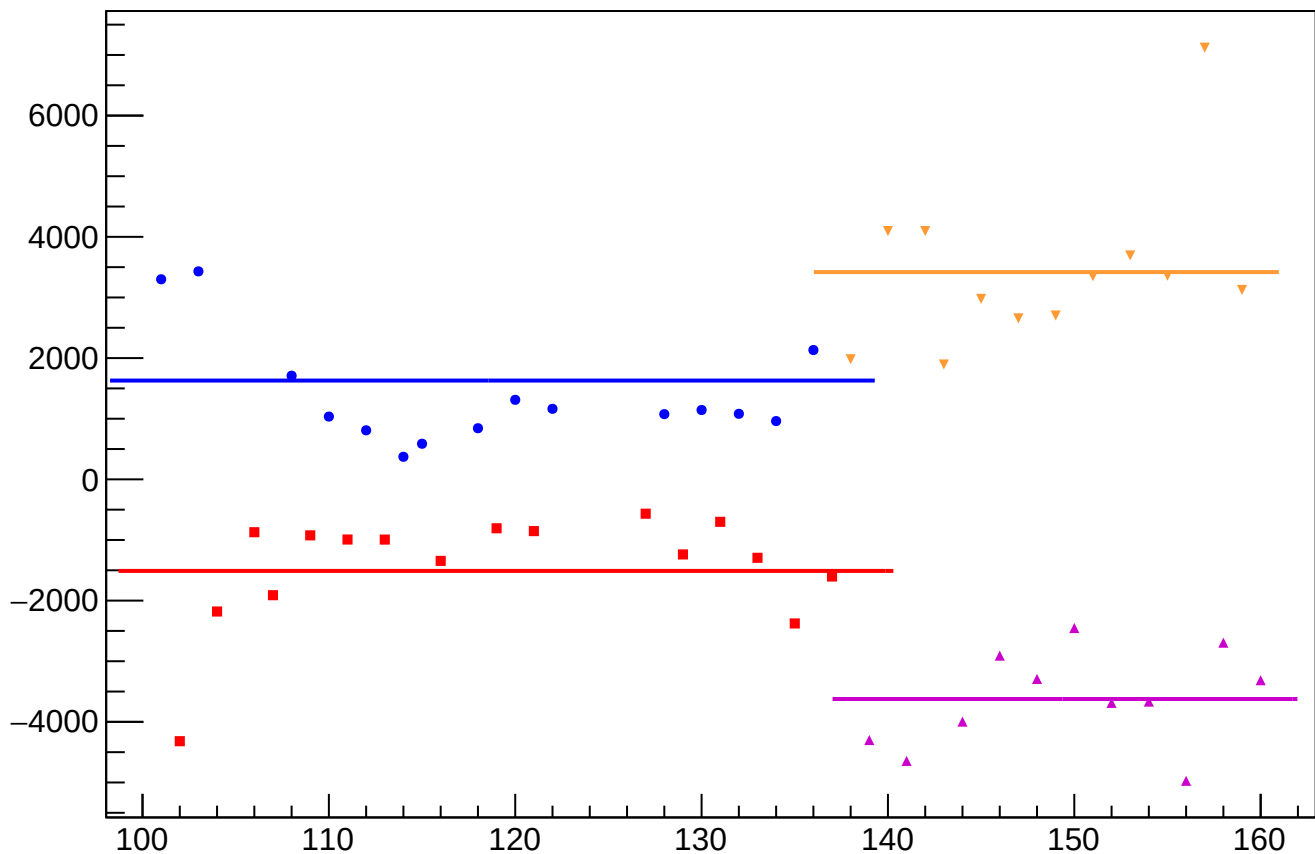
χ^2/NDF : 45631572920122171972835961685494315614208.0/15

Left In: -49982.063+/-0.000

χ^2/NDF : 13505821019305603846121121344717970210816.0/10

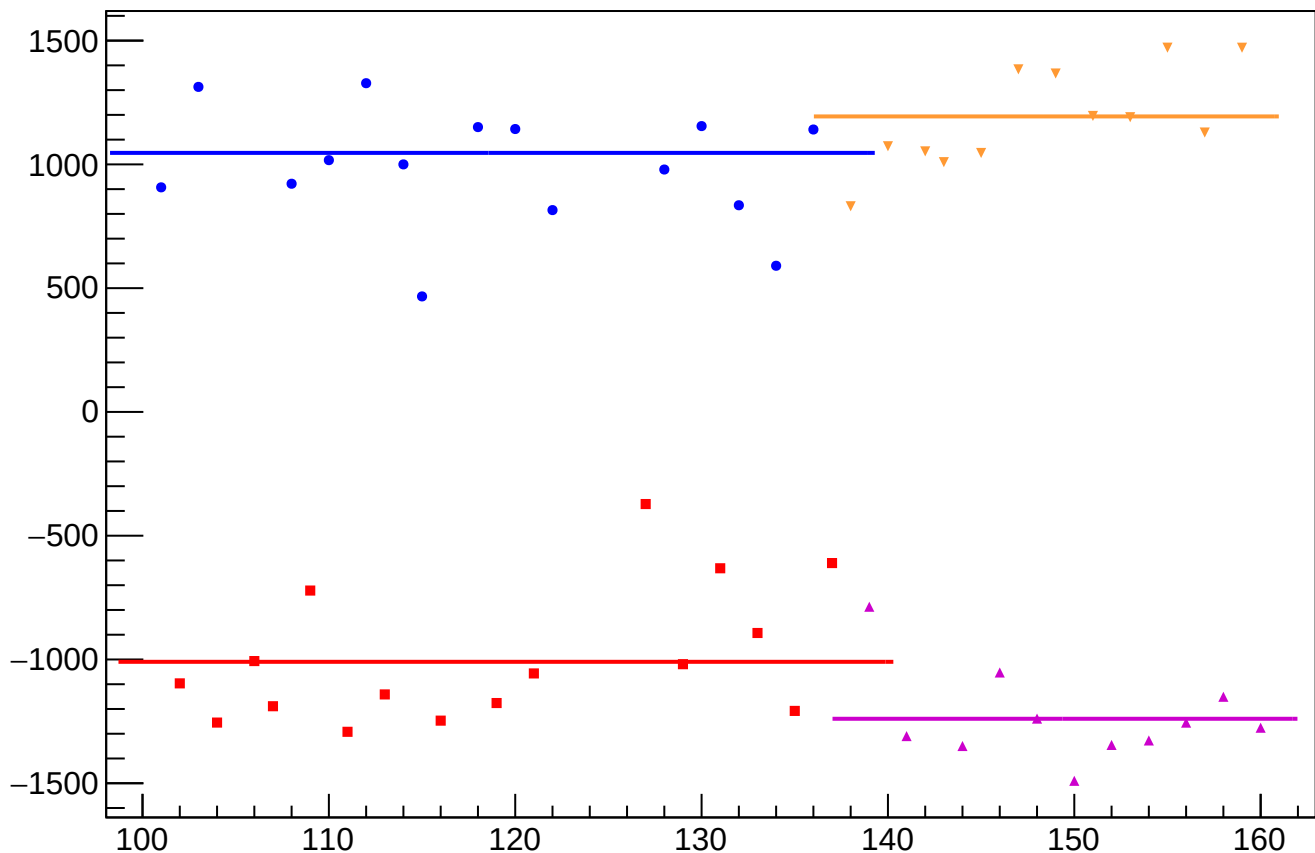
All: -103.402+/-0.000 χ^2/NDF : 55223983268

dit_atl2_coil1_err_mean vs Slug, Sign Corrected



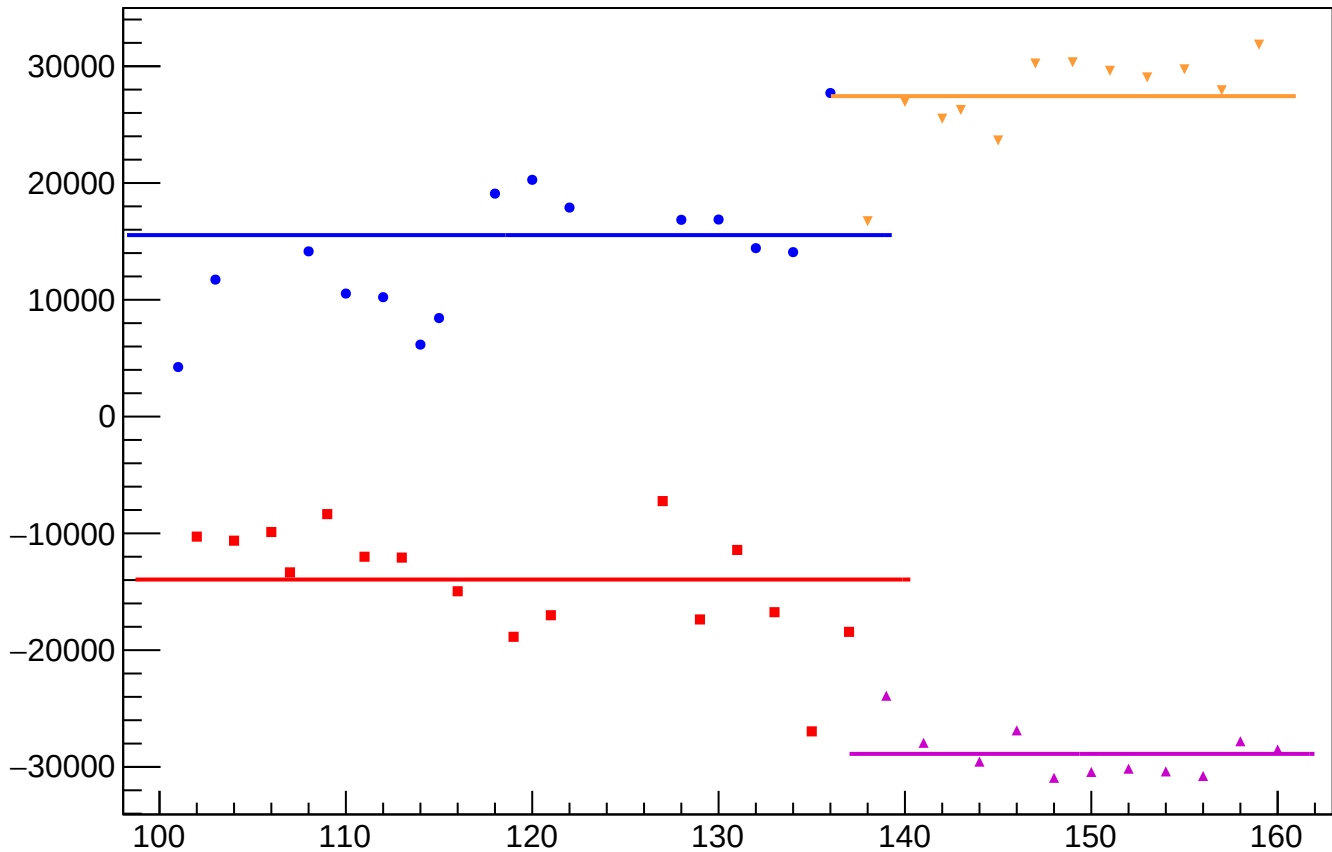
Right In: 1629.542 $\pm$ 0.000 χ^2 /NDF: 551738555355028902194697896437152219136.0/14
 Left Out: 3418.927 $\pm$ 0.000 χ^2 /NDF: 1575515144069936231955966928879934767104.0/11
 Right Out: -1510.293 $\pm$ 0.000 χ^2 /NDF: 688231904046816211321774524619745656832.0/15
 Left In: -3623.095 $\pm$ 0.000 χ^2 /NDF: 537714450371269509719141411292840984576.0/10
 All: -54.735 $\pm$ 0.000 χ^2 /NDF: 294015037802

dit_atl2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atr1_coil1_mean vs Slug, Sign Corrected



Right In: 15540.787+/-0.000

χ^2/NDF : 27383635886523601832377795383509714468864.0/14

Left Out: 27439.616+/-0.000

χ^2/NDF : 14247025908871725813351088668818926469120.0/11

Right Out: -13951.799+/-0.000

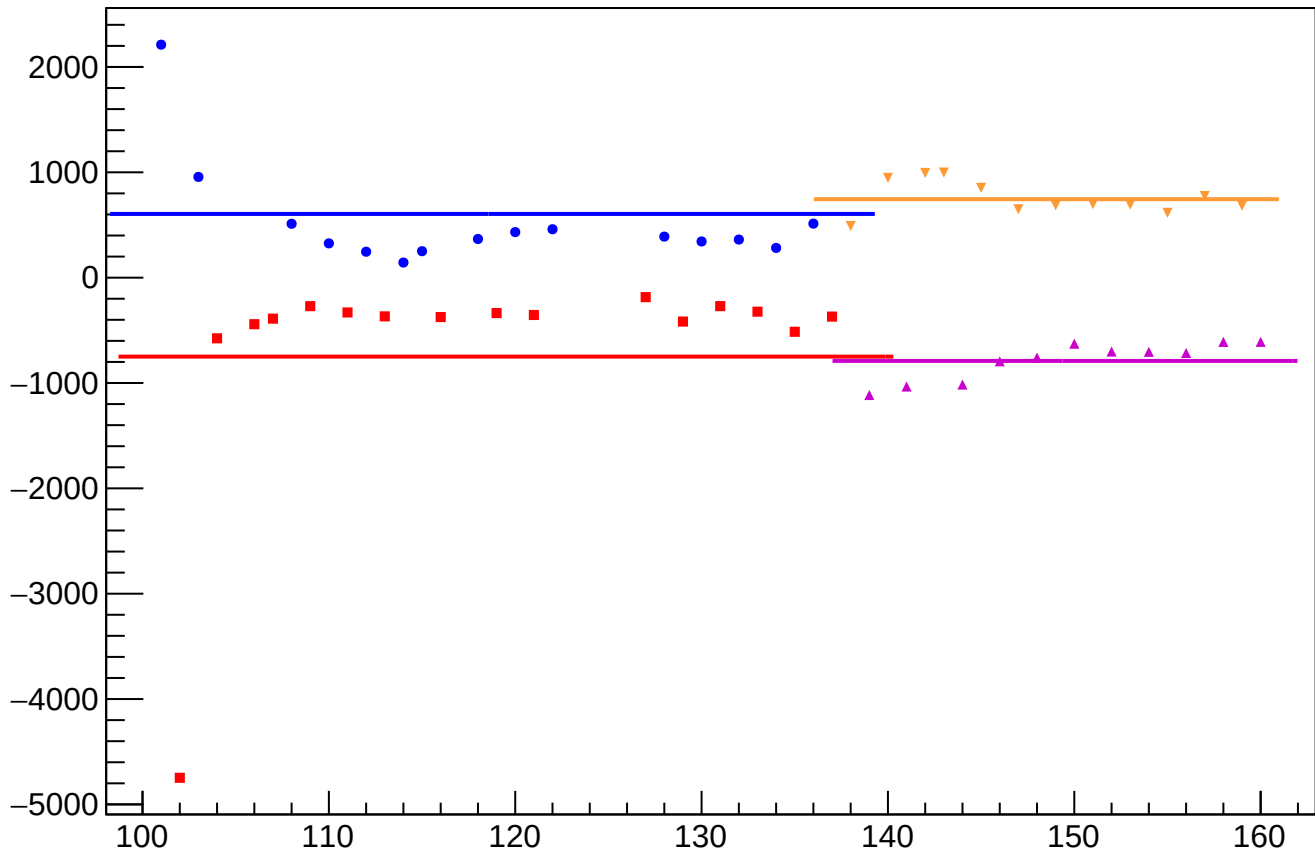
χ^2/NDF : 16954071035739584664612813430748100952064.0/15

Left In: -28881.771+/-0.000

χ^2/NDF : 3761764043421234560623243625754374701056.0/10

All: -262.152+/-0.000 χ^2/NDF : 18076481618

dit_atr1_coil1_err_mean vs Slug, Sign Corrected



Right In: 605.034+/-0.000

χ^2/NDF : 189401522791607614448600157723362852864.0/14

Left Out: 744.985+/-0.000

χ^2/NDF : 19571453984278961719936247870544412672.0/11

Right Out: -749.582+/-0.000

χ^2/NDF : 1021358768377495935693748779804344188928.0/15

Left In: -790.283+/-0.000

χ^2/NDF : 27375995163011560101349166949437800448.0/10

Left: -26.826+/-0.000 χ^2/NDF : 1129978912753072

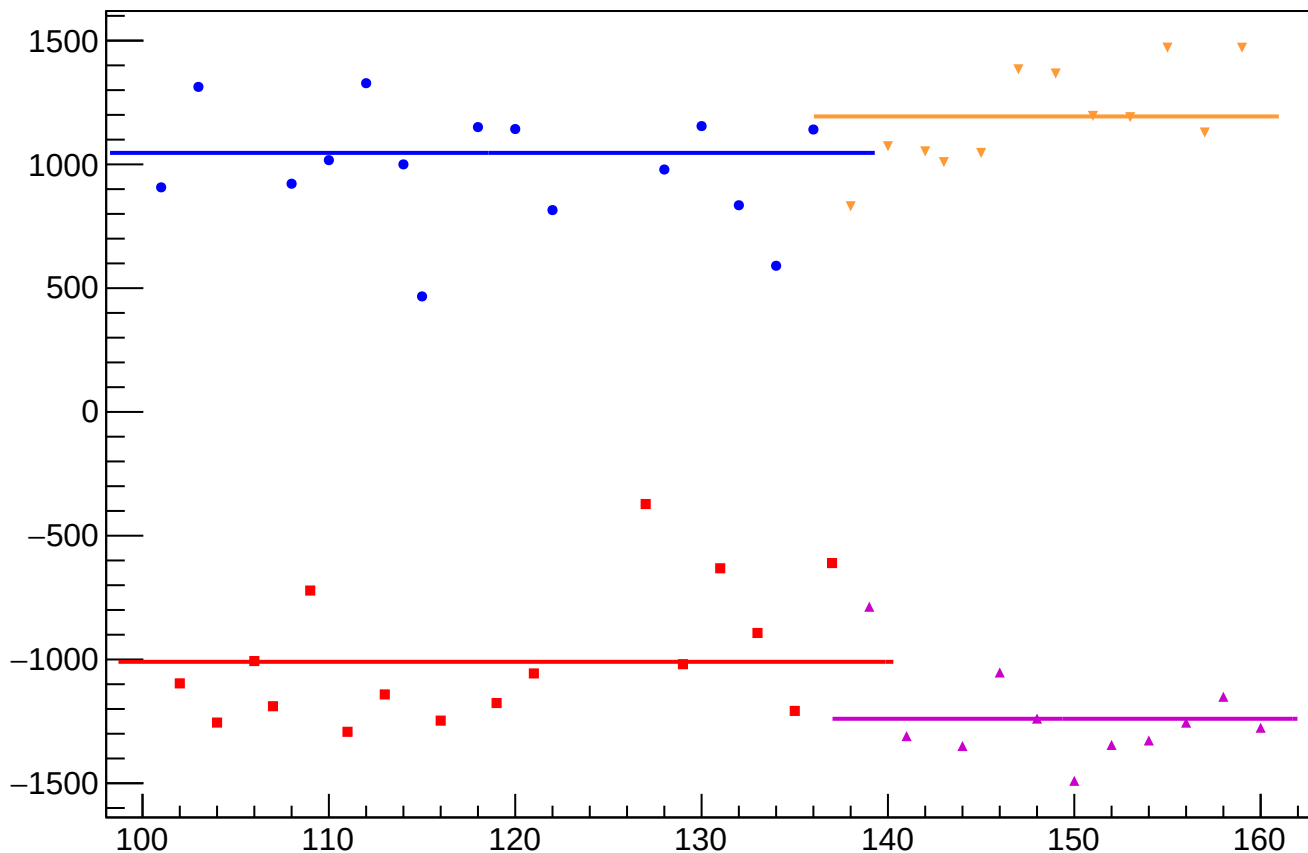
Right: -81.538+/-0.000 χ^2/NDF : 181435748538570

In: -214.593+/-0.000 χ^2/NDF : 9589997746321814

Out: 114.449+/-0.000 χ^2/NDF : 1902262791506616

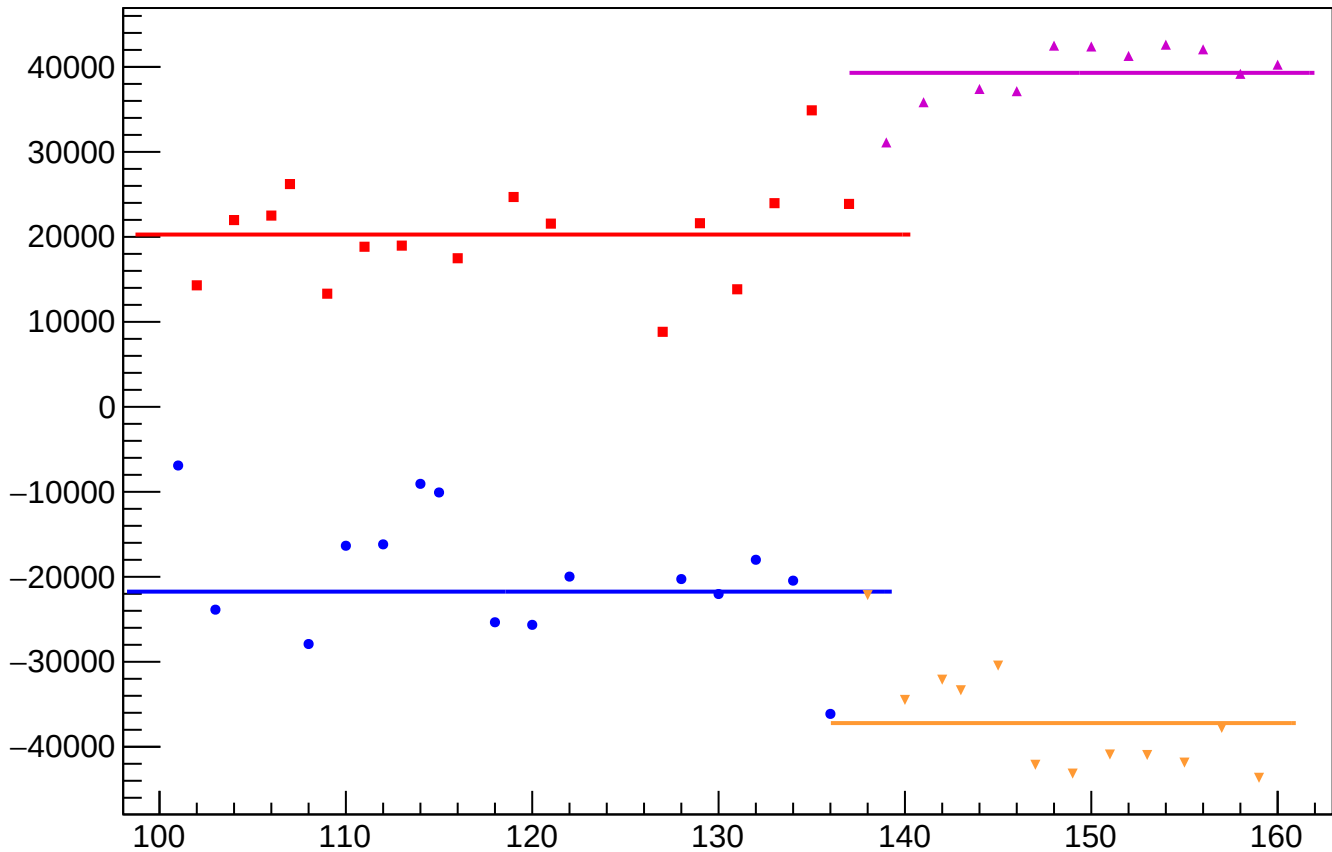
All: -49.654+/-0.000 χ^2/NDF : 294663207457

dit_atr1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atr2_coil1_mean vs Slug, Sign Corrected



Right In: -21743.360+/-0.000

Left Out: -37210.761+/-0.000

Right Out: 20275.415+/-0.000

Left In: 39301.203+/-0.000

χ^2/NDF : 41106858823579527325198675675398793068544.0/14

χ^2/NDF : 36234813568101266501920845904945520574464.0/11

χ^2/NDF : 25935869132092920231681532417627320745984.0/15

χ^2/NDF : 10890557195828480655850873156116452212736.0/10

Left: 1253.360+/-0.000 χ^2/NDF : 273699578436603

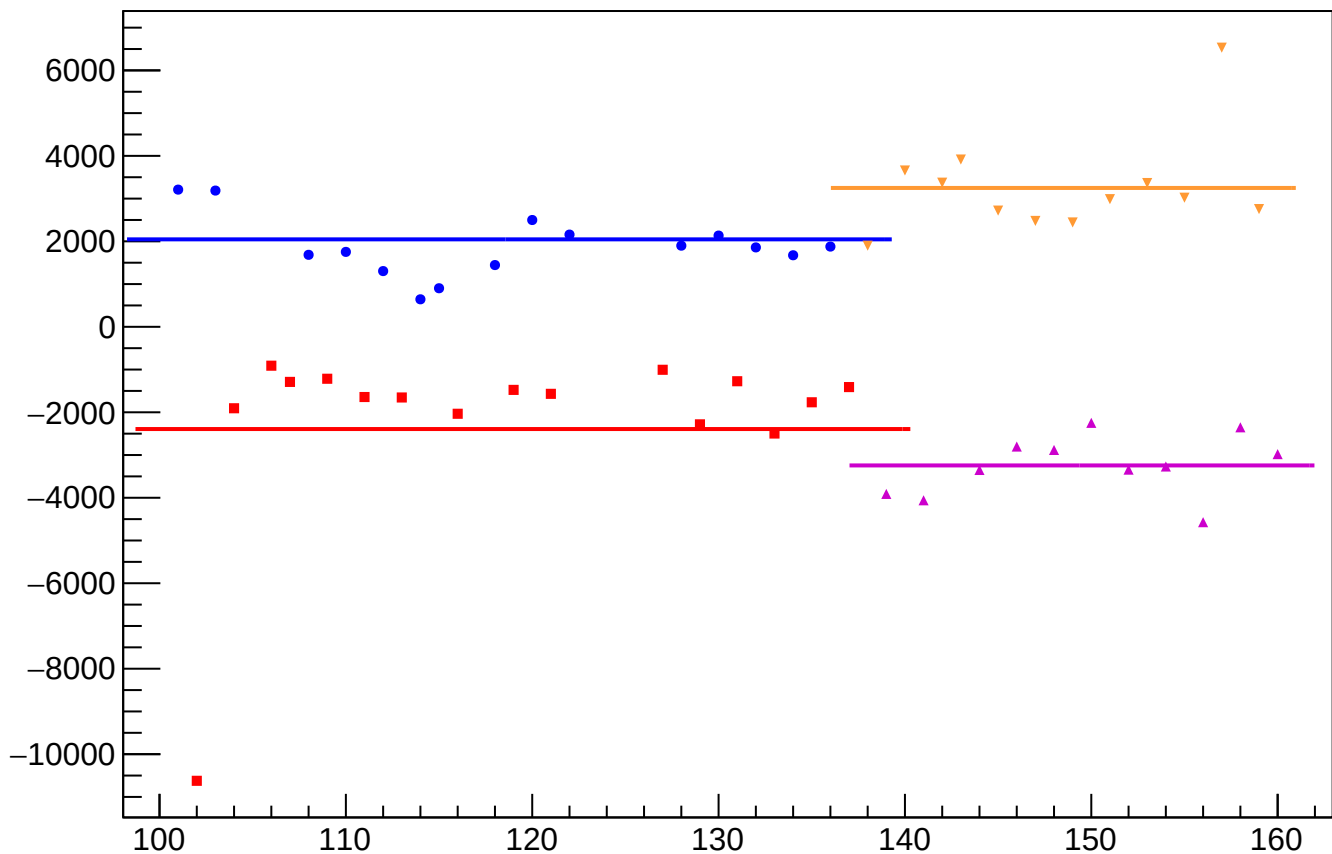
Right: -446.610+/-0.000 χ^2/NDF : 64780902874572

In: 14114.985+/-0.000 χ^2/NDF : 147263048816292

Out: -12958.212+/-0.000 χ^2/NDF : 1336456927560

All: 544.051+/-0.000 χ^2/NDF : 338702108163

dit_atr2_coil1_err_mean vs Slug, Sign Corrected



Right In: 2046.354+/-0.000

χ^2/NDF : 266555515927348892036833058355226345472.0/14

Left Out: 3249.314+/-0.000

χ^2/NDF : 1190726211956001849078073092083852247040.0/11

Right Out: -2391.939+/-0.000

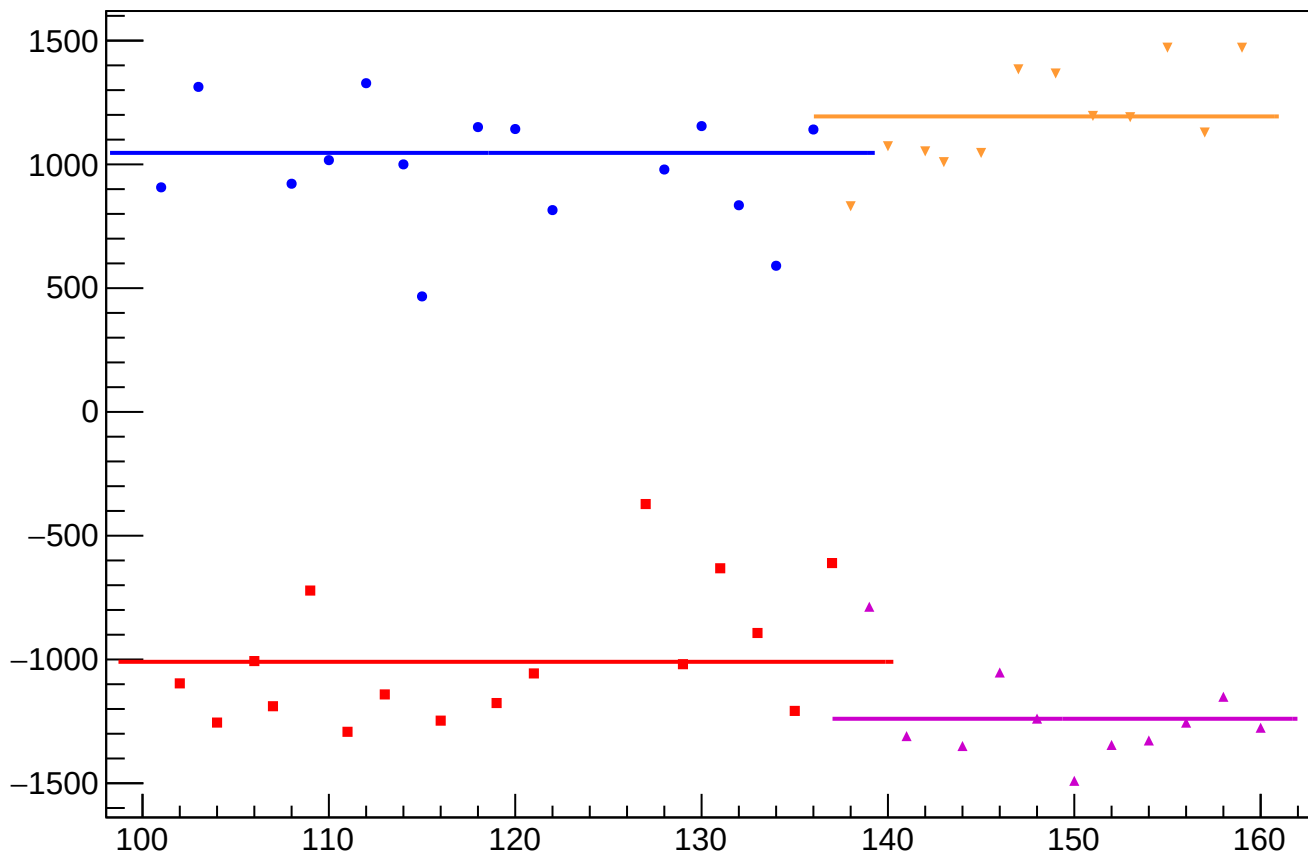
χ^2/NDF : 4415294964789778815259357544579499819008.0/15

Left In: -3243.479+/-0.000

χ^2/NDF : 422752345809564414875941115453230809088.0/10

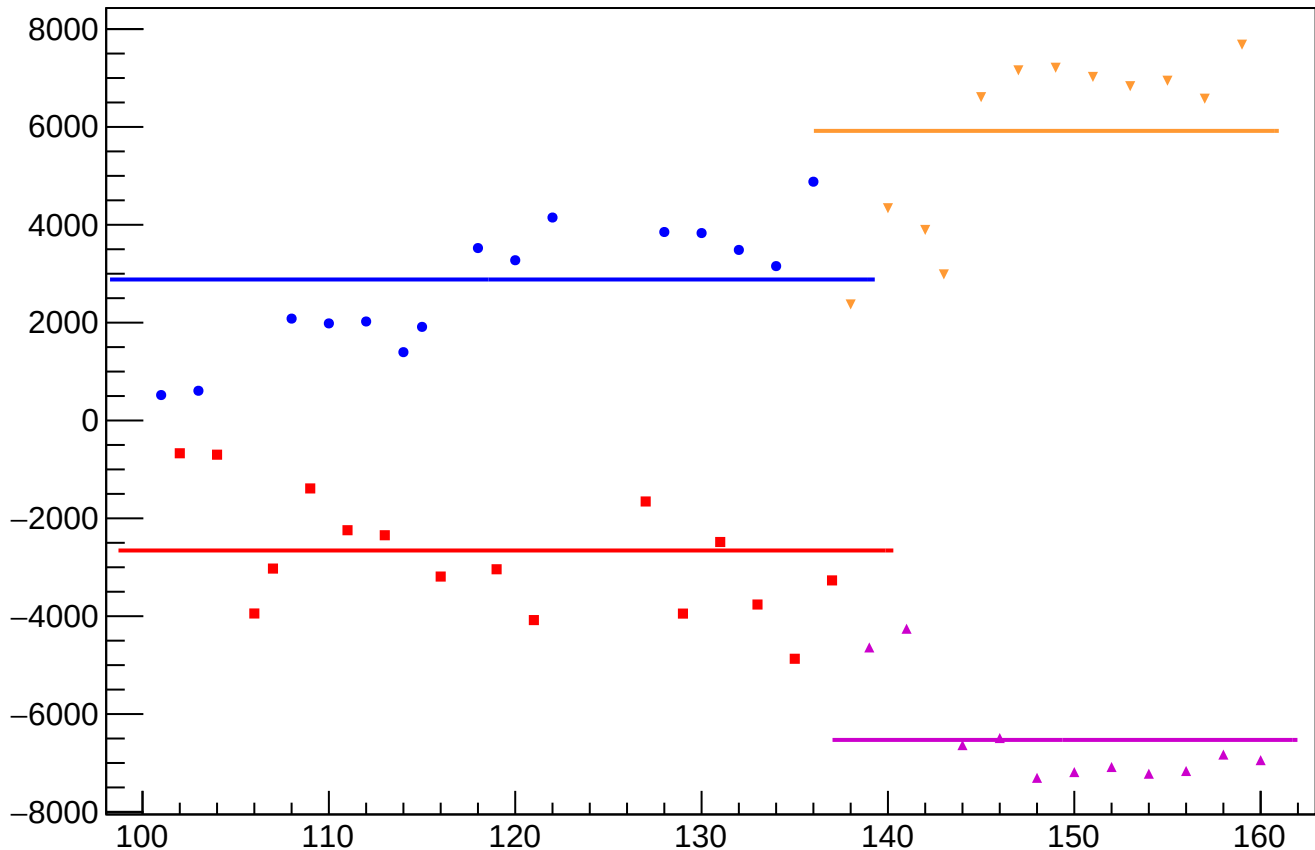
All: -93.355+/-0.000 χ^2/NDF : 321724014891

dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected



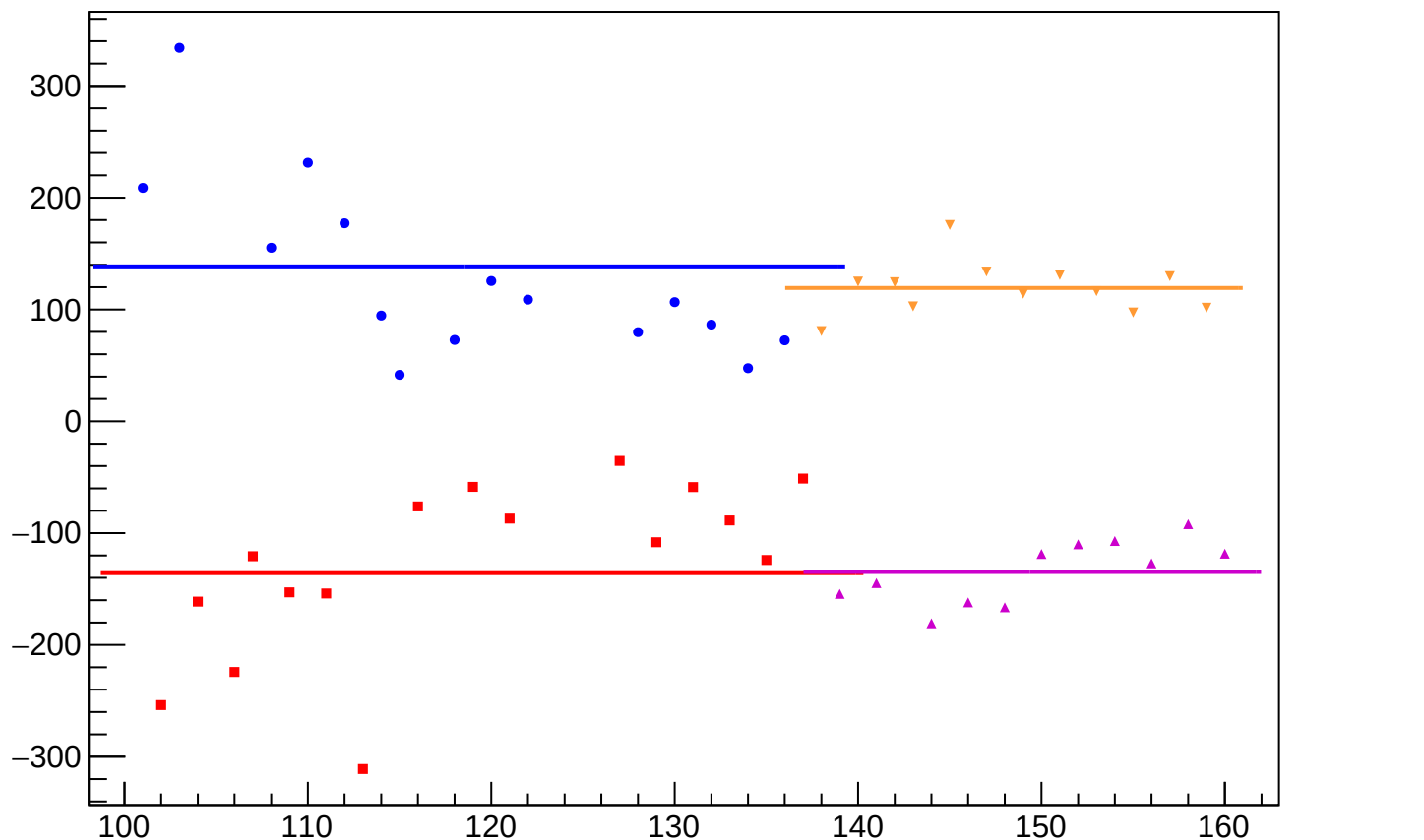
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam1_coil1_mean vs Slug, Sign Corrected



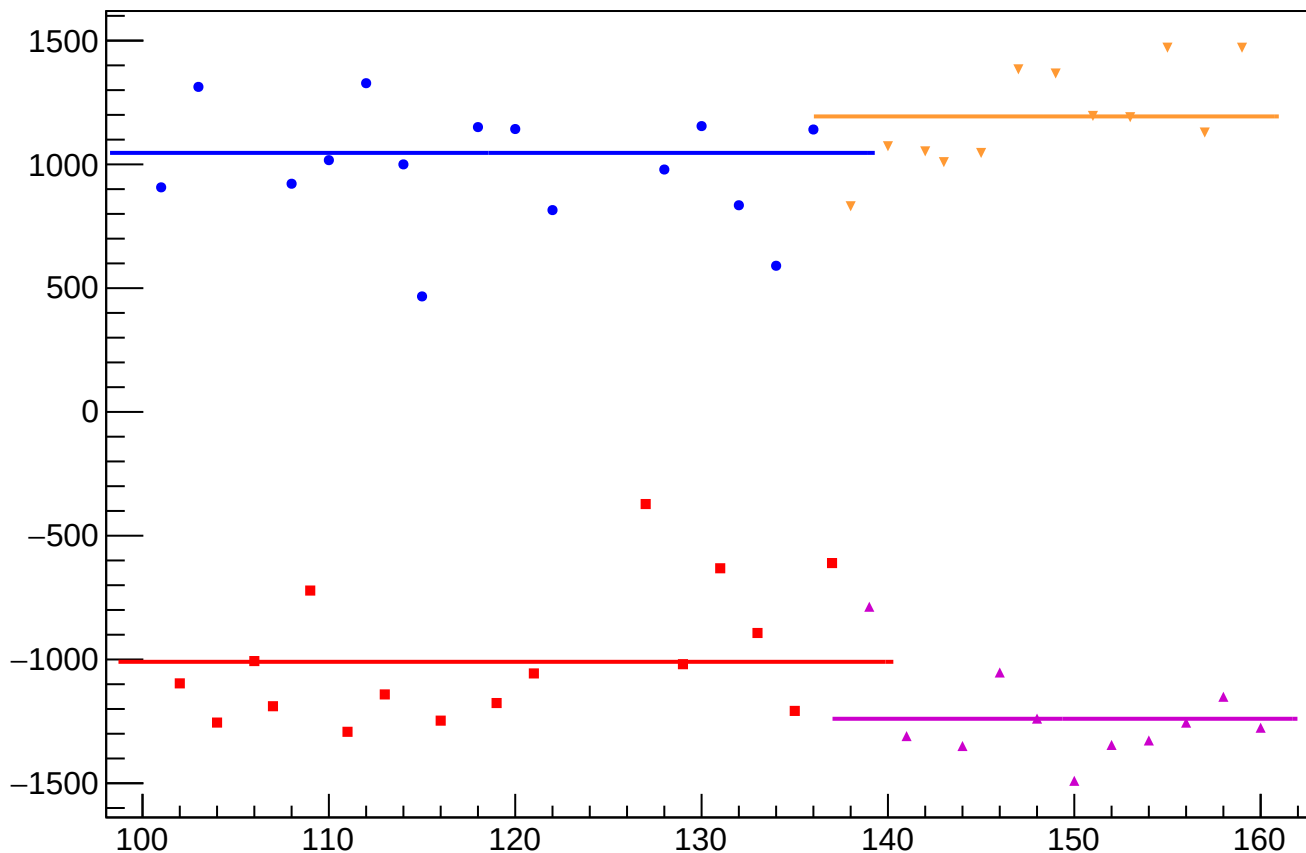
Right In: 2881.935+/-0.000 χ^2/NDF : 1320319391496525533692082365878834823168.0/14
 Left Out: 5919.511+/-0.000 χ^2/NDF : 2779072700024845827027981240176985767936.0/11
 Right Out: -2656.918+/-0.000 χ^2/NDF : 1077696846216053561130716877125509447680.0/15
 Left In: -6528.681+/-0.000 χ^2/NDF : 940619832290547661204641528694924378112.0/10
 All: -166.093+/-0.000 χ^2/NDF : 87540894065

dit_sam1_coil1_err_mean vs Slug, Sign Corrected



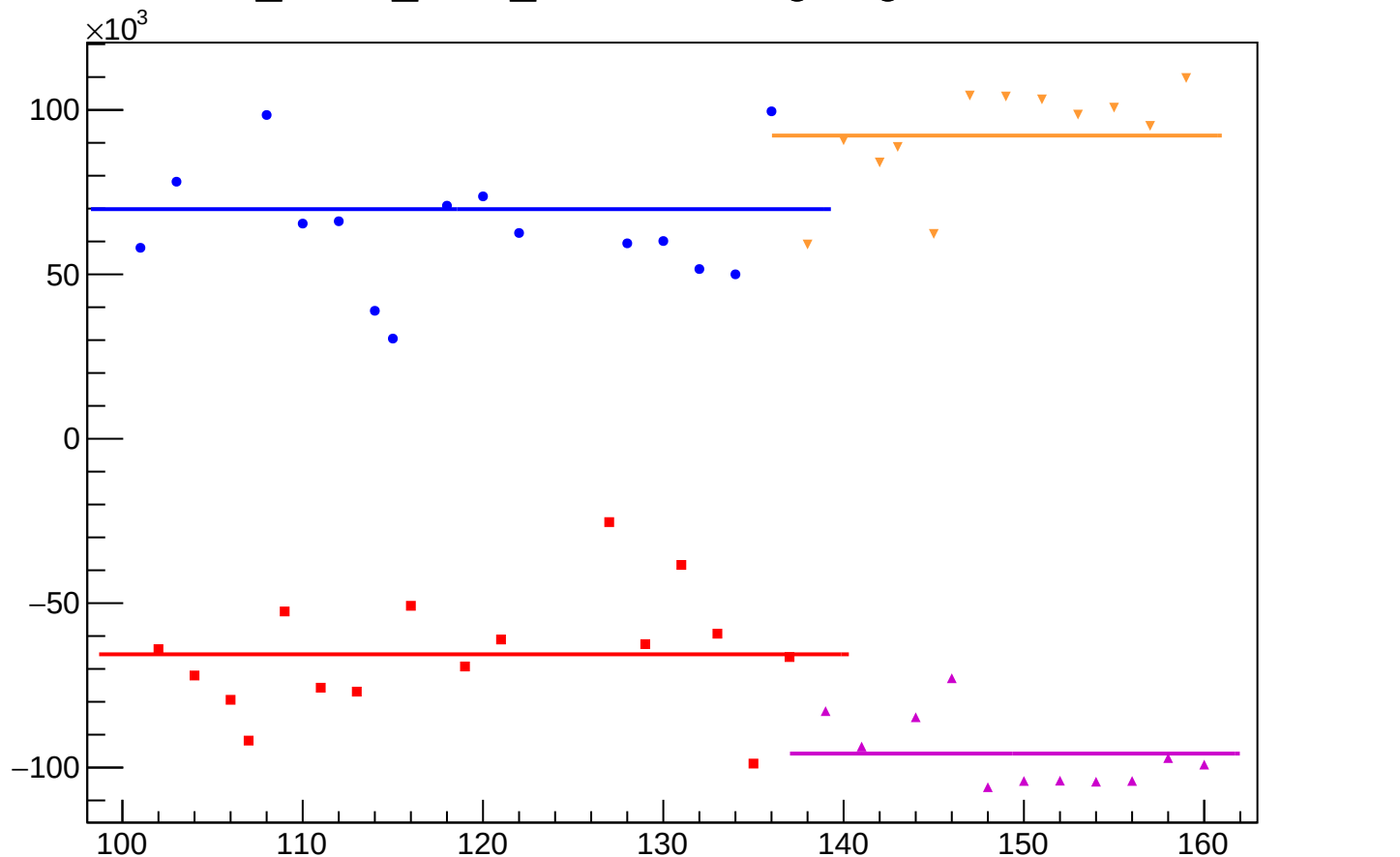
Right In: 138.577 ± 0.000 $\chi^2/\text{NDF}: 4242369889979811373883774021335515136.0/14$
 Left Out: 119.282 ± 0.000 $\chi^2/\text{NDF}: 487845779395217879153815293985292288.0/11$
 Right Out: -135.809 ± 0.000 $\chi^2/\text{NDF}: 3956401741862524263243160868173643776.0/15$
 Left In: -134.785 ± 0.000 $\chi^2/\text{NDF}: 689808602632315539029860685392642048.0/10$
 All: -5.125 ± 0.000 $\chi^2/\text{NDF}: 6384982584601$

dit_sam1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam2_coil1_mean vs Slug, Sign Corrected



Right In: 69827.797 $\pm$ 0.000

χ^2 /NDF: 187803282116493131197684060541288926150656.0/14

Left Out: 92210.698 $\pm$ 0.000

χ^2 /NDF: 226577476657807585202083767685360289579008.0/11

Right Out: -65555.147 $\pm$ 0.000

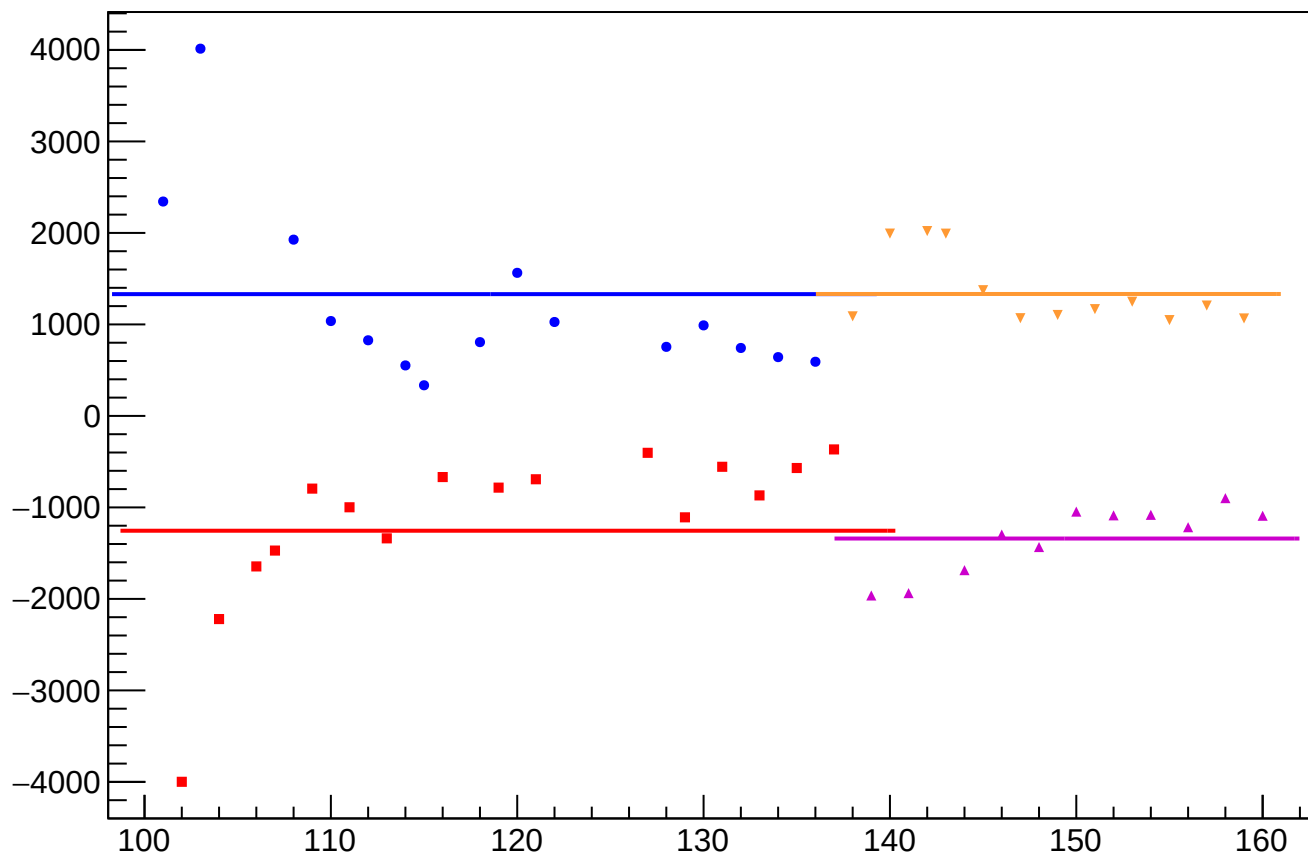
χ^2 /NDF: 212001467811386750910625783195999741673472.0/15

Left In: -95749.411 $\pm$ 0.000

χ^2 /NDF: 102376761881530271427340284738693826084864.0/10

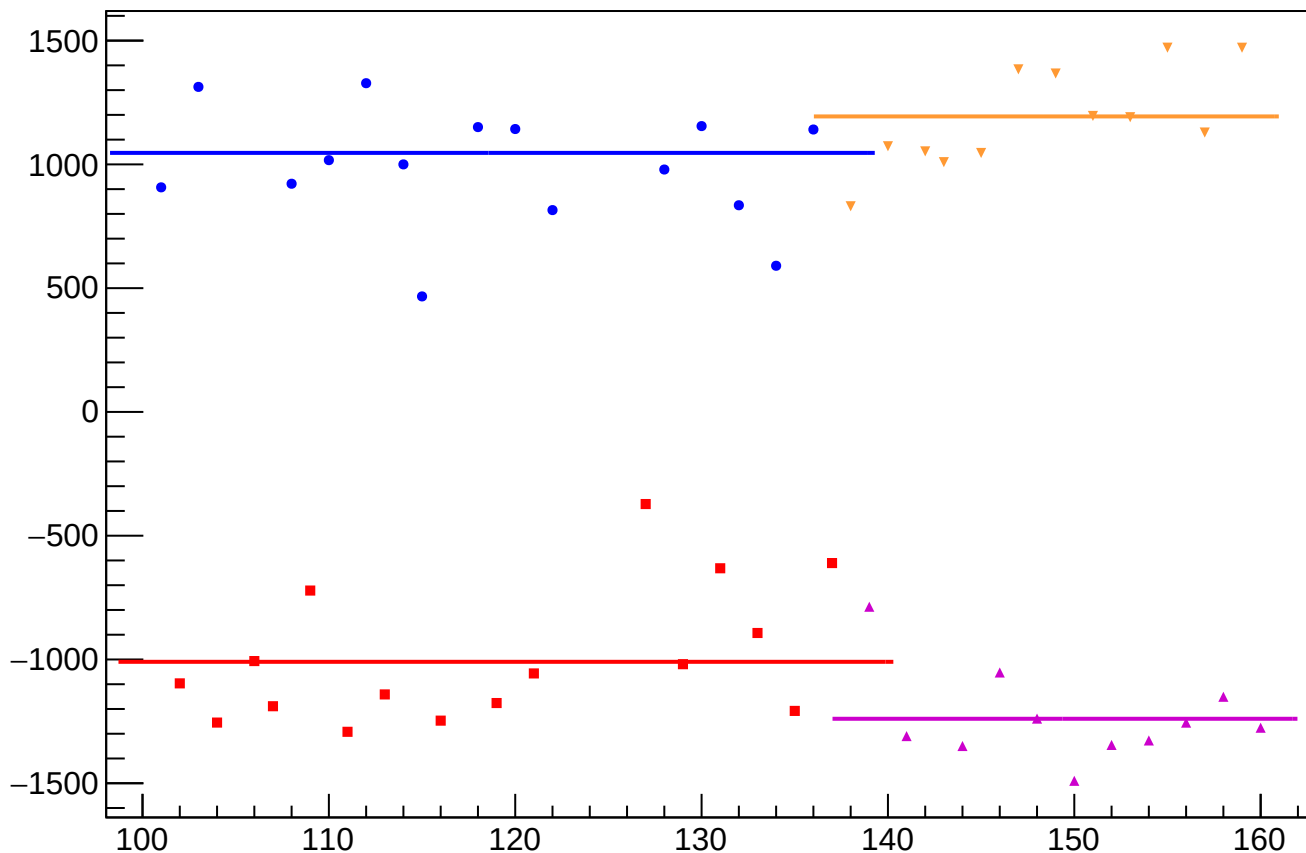
All: -824.008 $\pm$ 0.000 χ^2 /NDF: 23000264296

dit_sam2_coil1_err_mean vs Slug, Sign Corrected



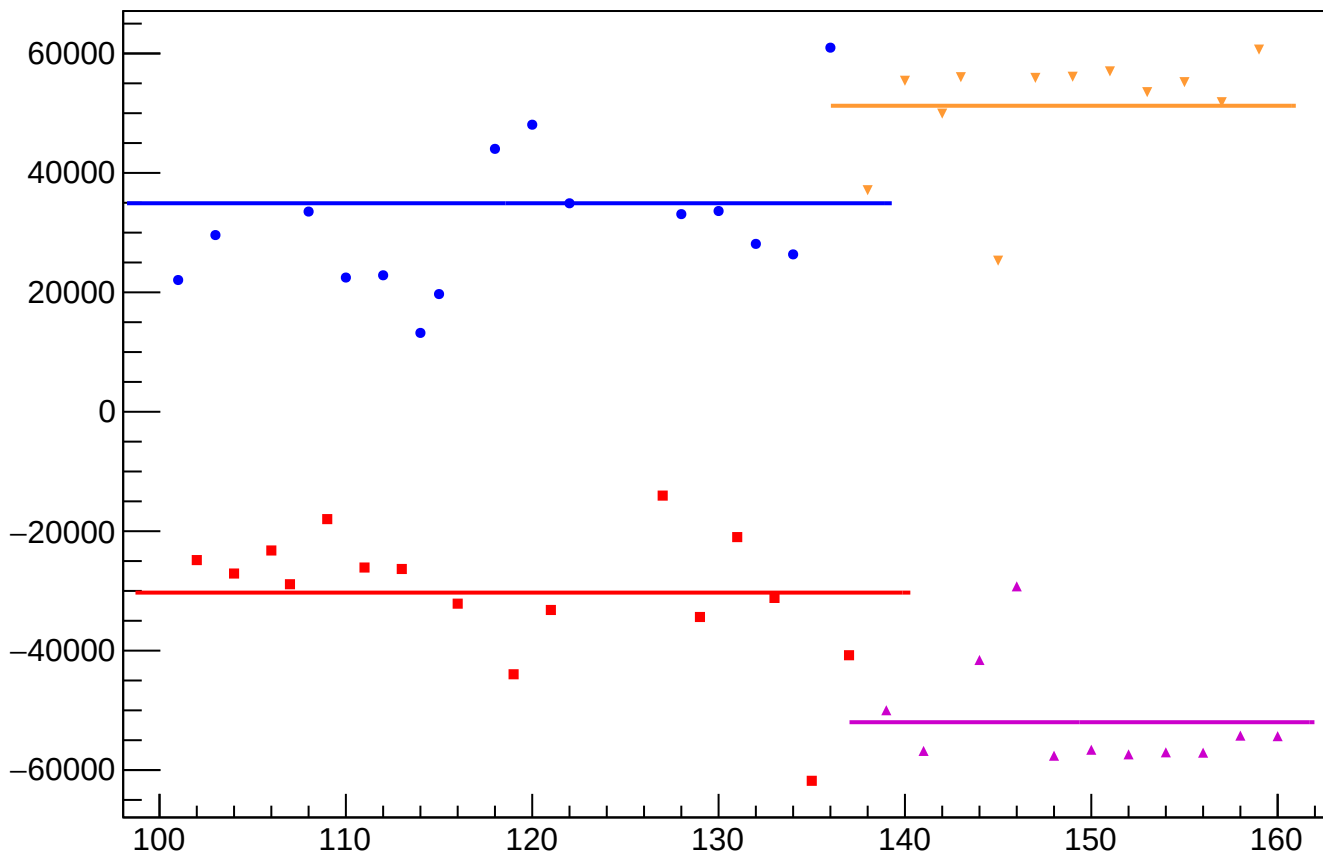
Right In: 1330.956+/-0.000 χ^2/NDF : 649481263842681659449409147059572834304.0/14
 Left Out: 1332.669+/-0.000 χ^2/NDF : 117488793251165999850417206895273050112.0/11
 Right Out: -1254.871+/-0.000 χ^2/NDF : 632140068983304062809817716800861765632.0/15
 Left In: -1340.185+/-0.000 χ^2/NDF : 11420491168201277023830767366477709312.0/10
 All: 2.067+/-0.000 χ^2/NDF : 69961590530550

dit_sam2_coil1_Ndata_mean vs Slug, Sign Corrected



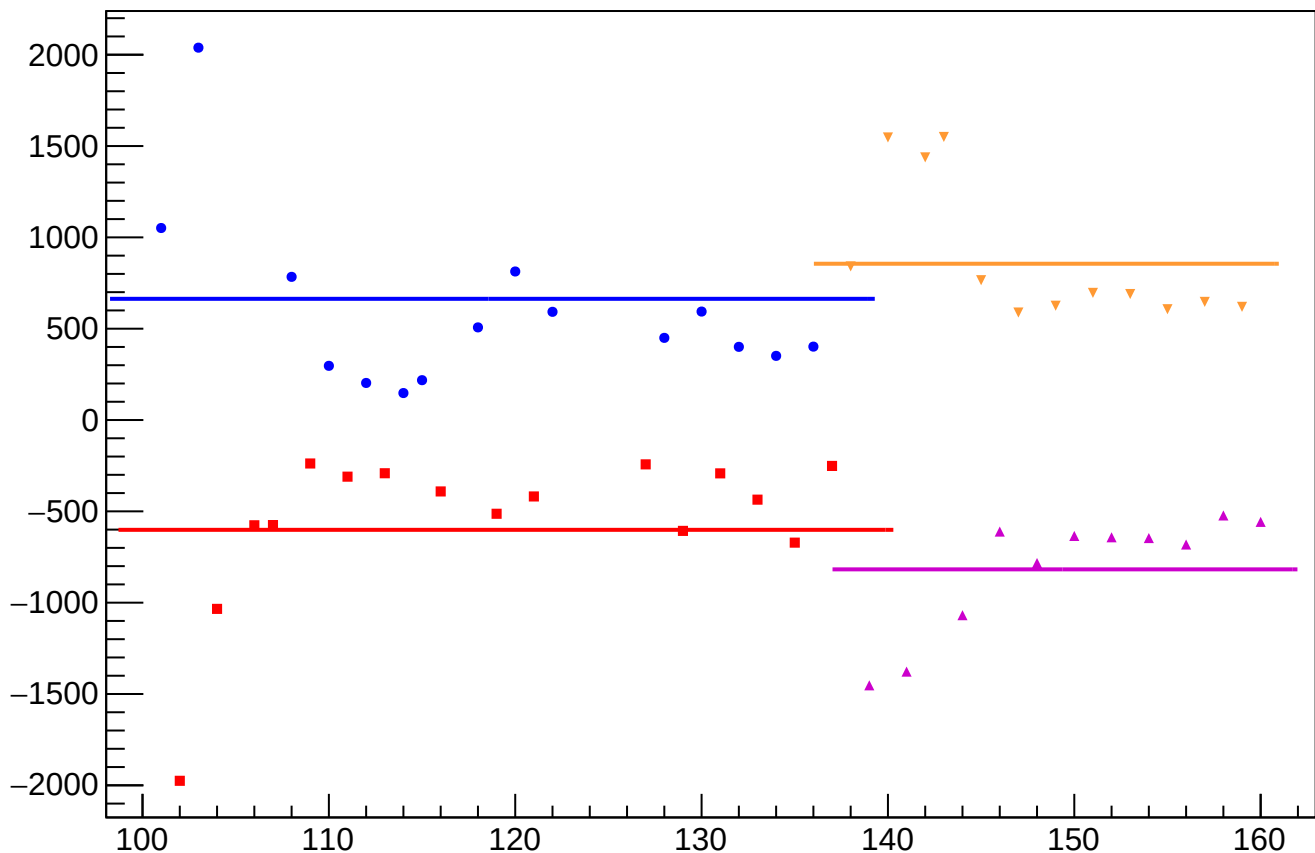
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam3_coil1_mean vs Slug, Sign Corrected



Right In: 34919.716+/-0.000 χ^2/NDF : 106387385440718622155122541848729997017088.0/14
 Left Out: 51246.568+/-0.000 χ^2/NDF : 86168540614102445062046954668602534395904.0/11
 Right Out: -30282.373+/-0.000 χ^2/NDF : 88346165266593126627598951693506073067520.0/15
 Left In: -51985.374+/-0.000 χ^2/NDF : 67172587579518863379504132116294676774912.0/10
 All: 402.483+/-0.000 χ^2/NDF : 664804674092

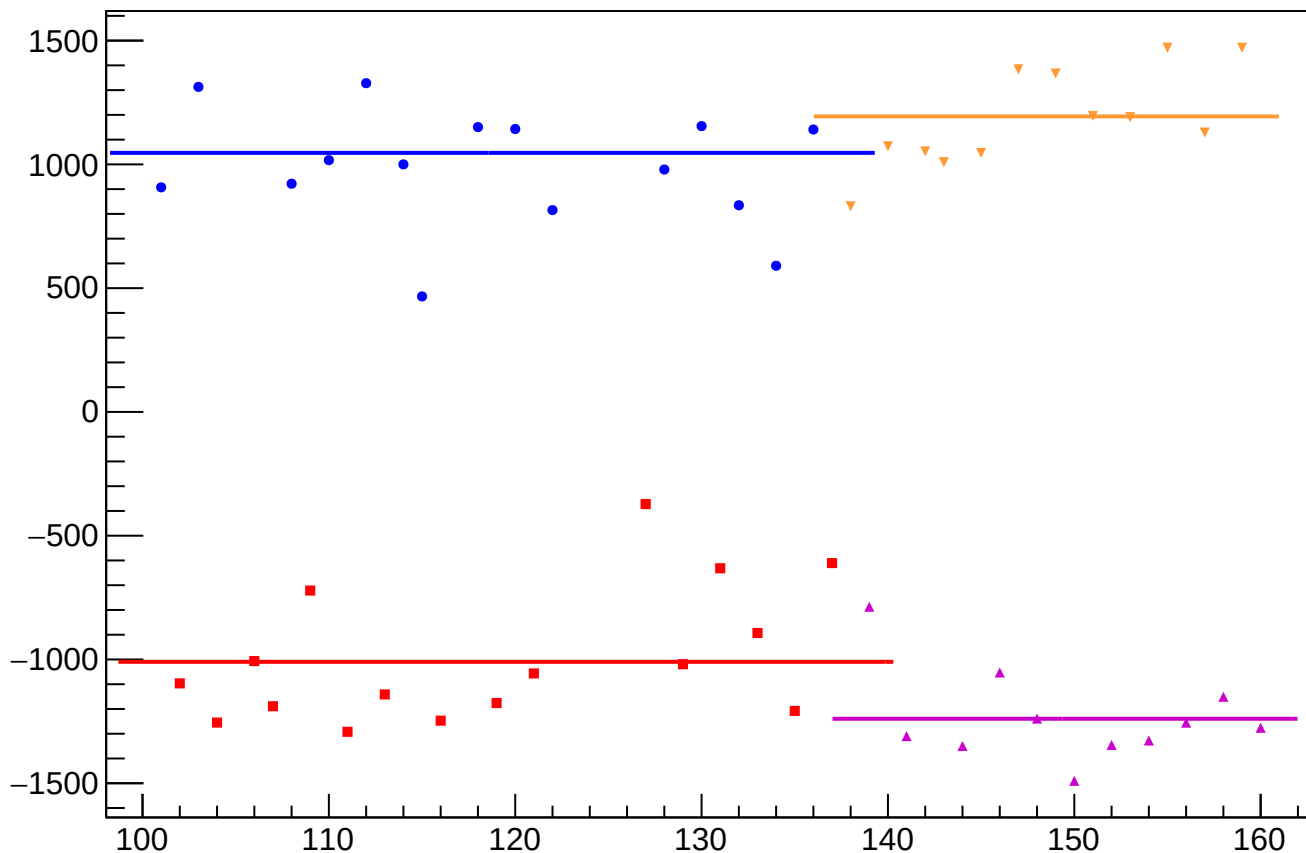
dit_sam3_coil1_err_mean vs Slug, Sign Corrected



Left: 14.433 ± 0.000 $\chi^2/\text{NDF}: 14918307802218483$
 Right: 22.529 ± 0.000 $\chi^2/\text{NDF}: 8336101395091641$
 In: -206.520 ± 0.000 $\chi^2/\text{NDF}: 1084558135298016$
 Out: 241.007 ± 0.000 $\chi^2/\text{NDF}: 1083013180112686$
 All: 17.811 ± 0.000 $\chi^2/\text{NDF}: 2325491183866$

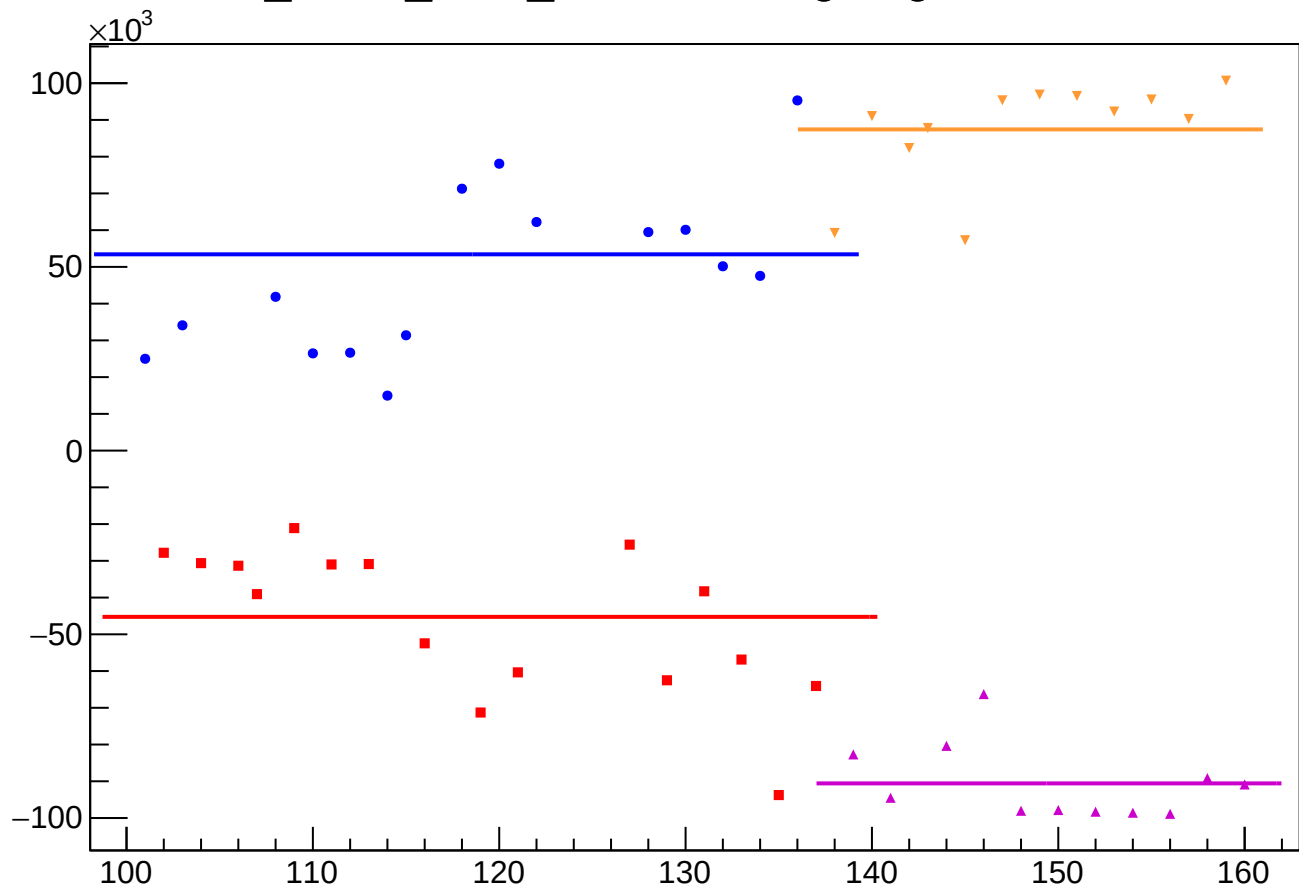
Right In: 663.574 ± 0.000 $\chi^2/\text{NDF}: 157691812872720822886914966597312446464.0/14$
 Left Out: 855.627 ± 0.000 $\chi^2/\text{NDF}: 114895226746628689144721696446463606784.0/11$
 Right Out: -601.216 ± 0.000 $\chi^2/\text{NDF}: 149717884331889332339995334350831878144.0/15$
 Left In: -817.657 ± 0.000 $\chi^2/\text{NDF}: 90429548723715663326805299076811194368.0/10$

dit_sam3_coil1_Ndata_mean vs Slug, Sign Corrected



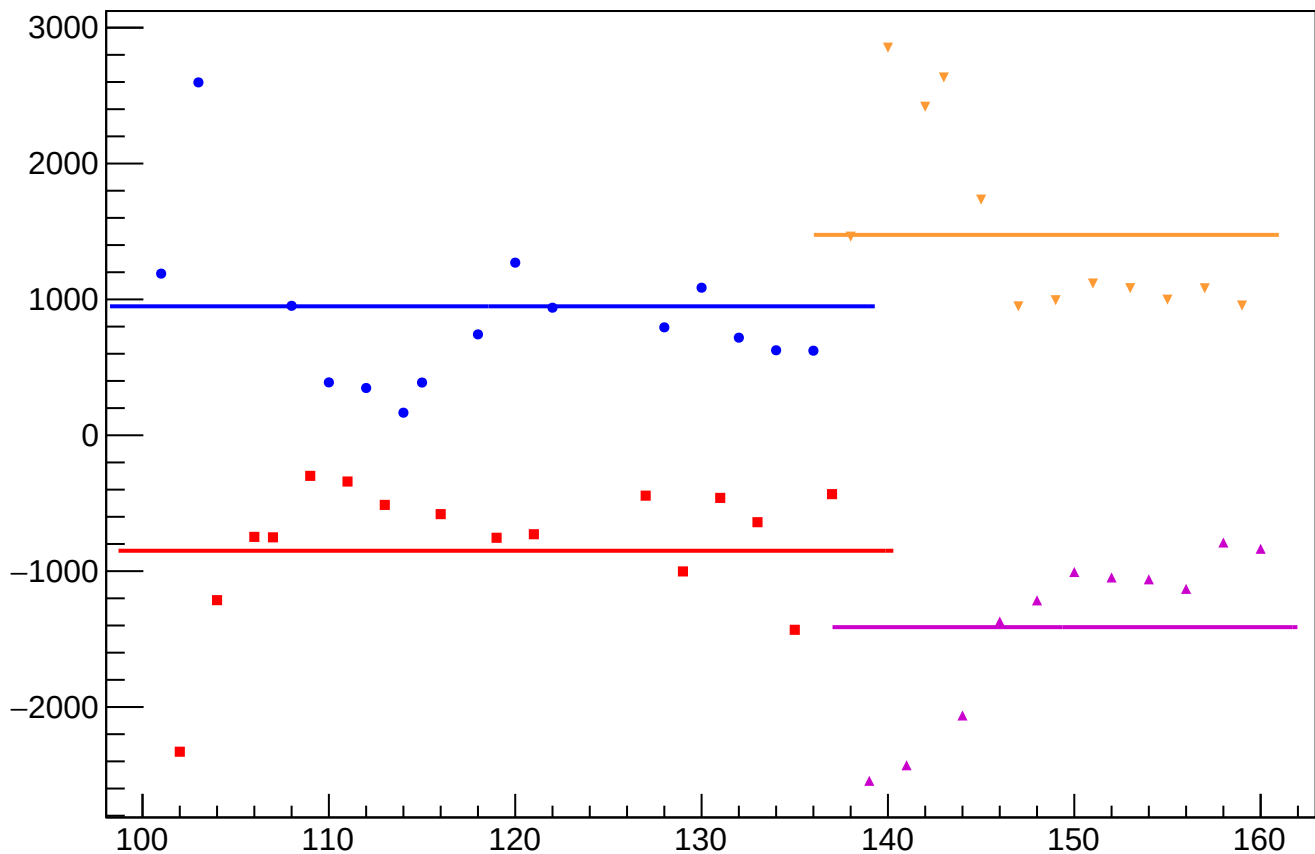
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam4_coil1_mean vs Slug, Sign Corrected



Right In: 53422.452+/-0.000 χ^2/NDF : 360635757315133800133751123167777346551808.0/14
 Left Out: 87421.965+/-0.000 χ^2/NDF : 176009447933973172298765808269588074332160.0/11
 Right Out: -45247.617+/-0.000 χ^2/NDF : 286060196488034430215784613374055547928576.0/15
 Left In: -90573.760+/-0.000 χ^2/NDF : 90574081394354221593949262312406685581312.0/10
 All: 223.377+/-0.000 χ^2/NDF : 186963897473

dit_sam4_coil1_err_mean vs Slug, Sign Corrected



Right In: 949.197+/-0.000

χ^2/NDF : 225691032183153732733308094067658194944.0/14

Left: 23.551+/-0.000 χ^2/NDF : 45705013574232361

Right: 37.382+/-0.000 χ^2/NDF : 1494917928354426

Left Out: 1474.996+/-0.000

χ^2/NDF : 407776279141254062636078508853738602496.0/11

In: -437.909+/-0.000 χ^2/NDF : 2684013086565036

Right Out: -849.827+/-0.000

χ^2/NDF : 204622224261577247702227312745197338624.0/15

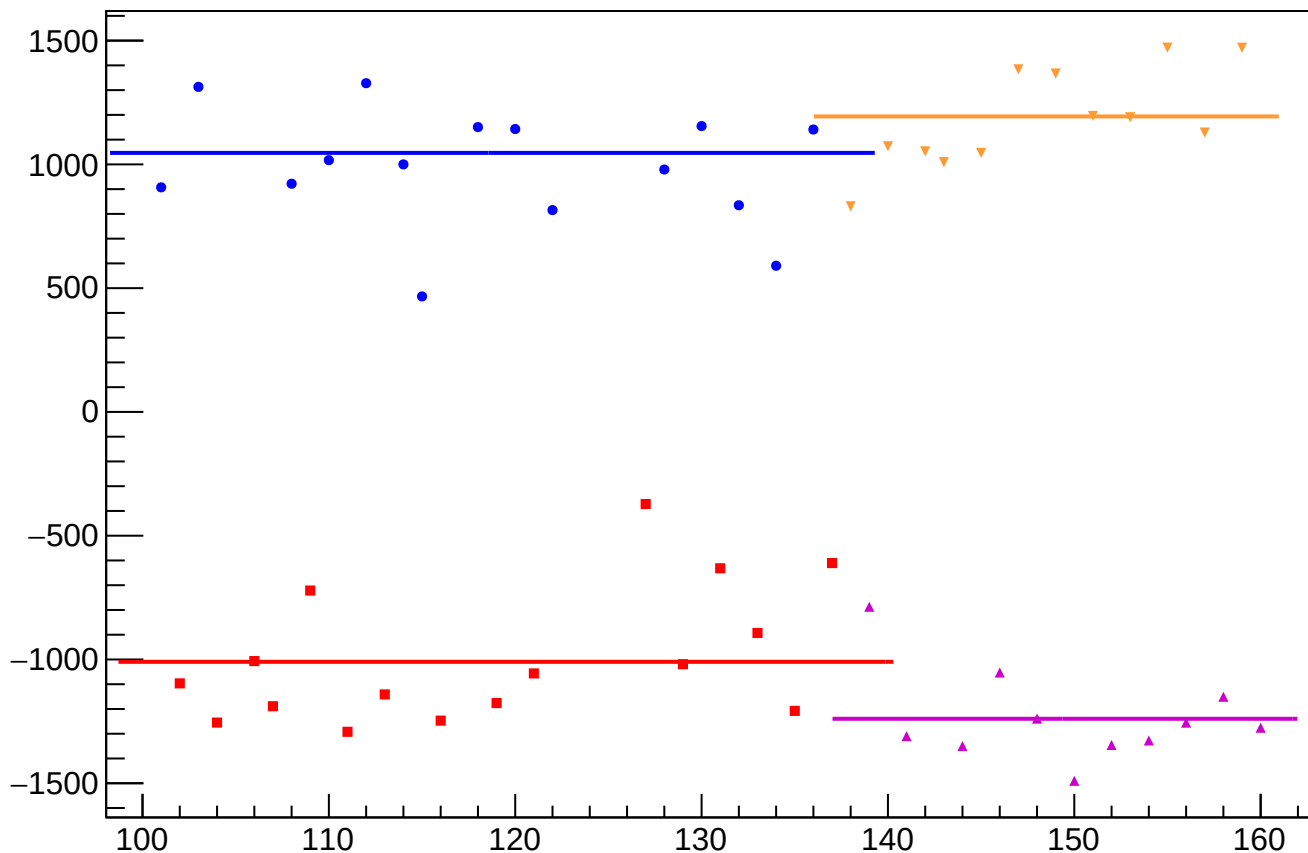
Out: 494.188+/-0.000 χ^2/NDF : 2696503915470133

Left In: -1412.186+/-0.000

χ^2/NDF : 332529390934897118157875972661756035072.0/10

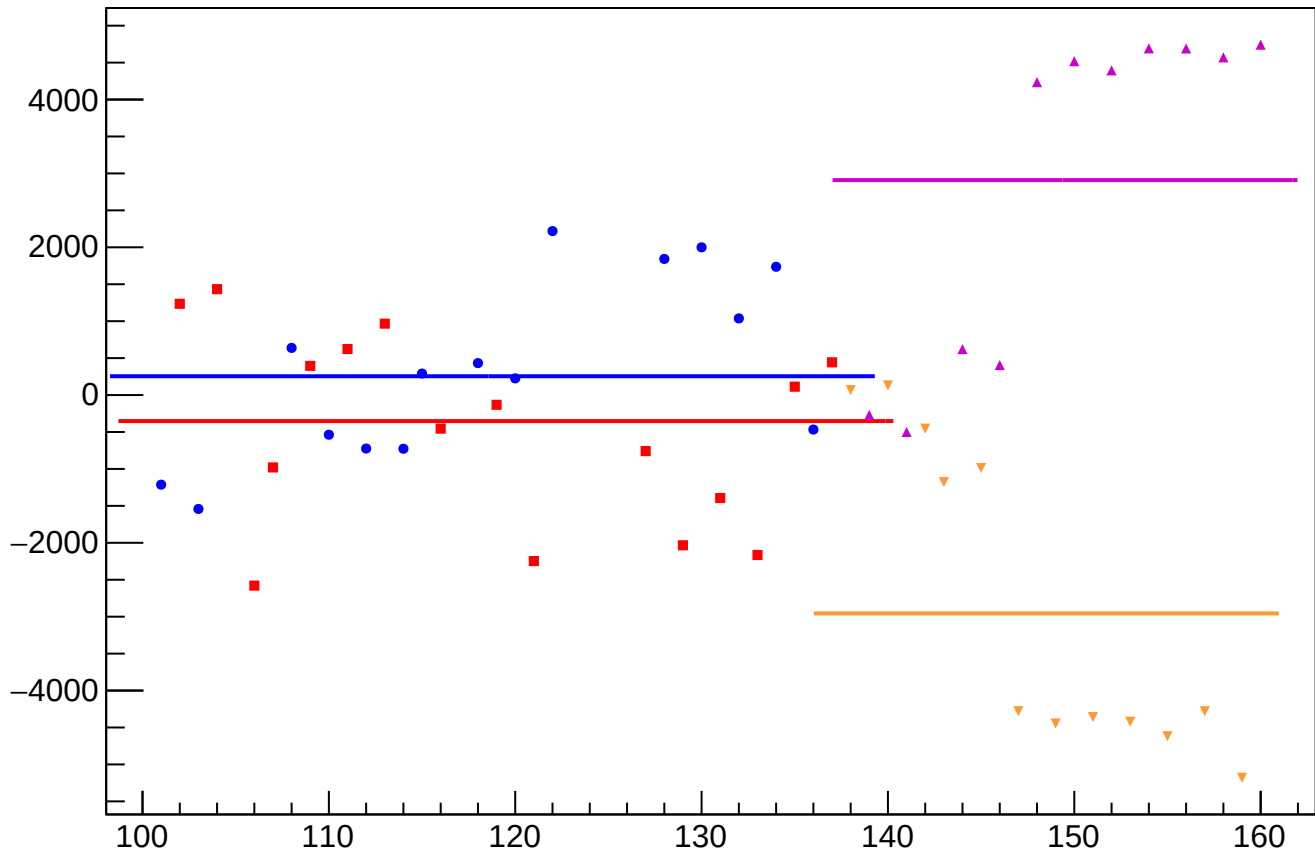
All: 29.322+/-0.000 χ^2/NDF : 6065565997163

dit_sam4_coil1_Ndata_mean vs Slug, Sign Corrected



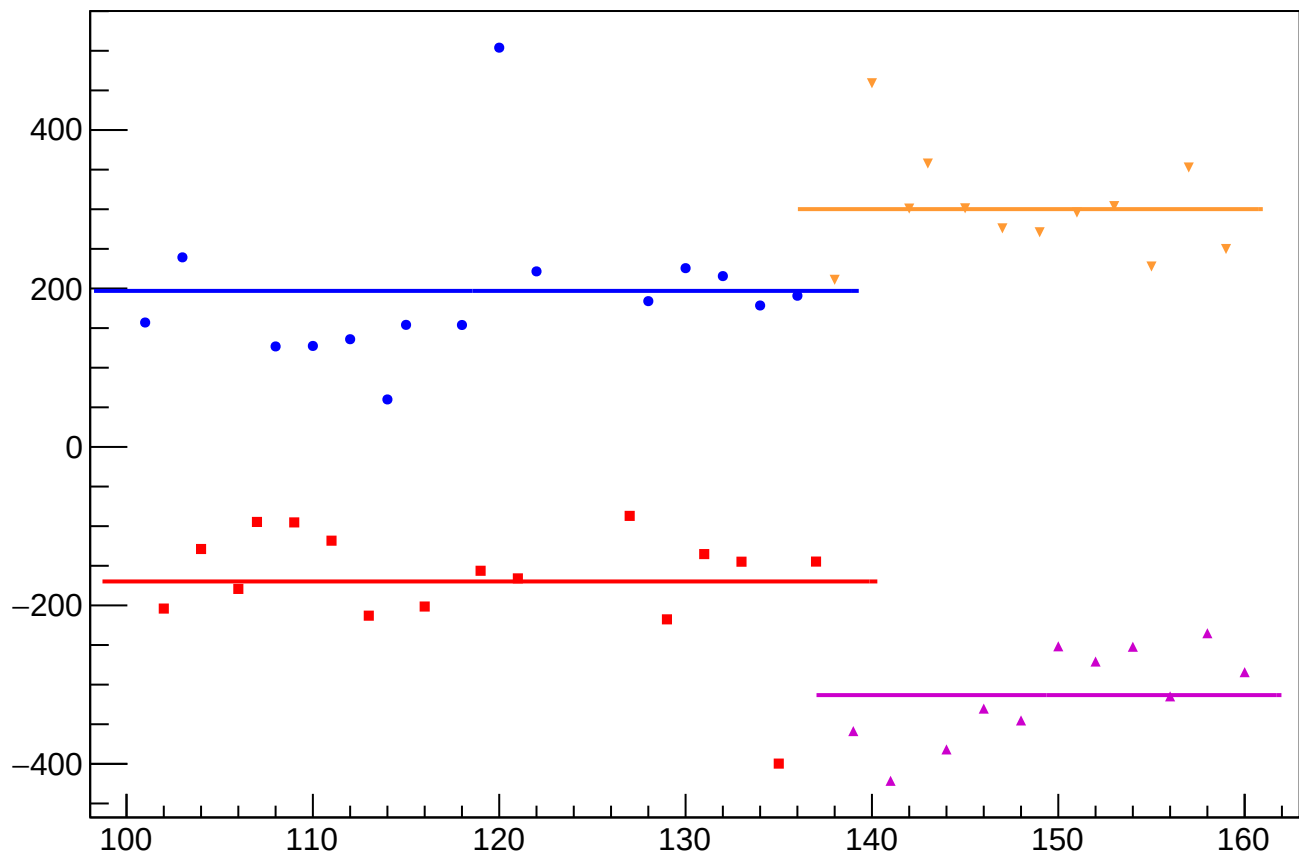
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam5_coil1_mean vs Slug, Sign Corrected



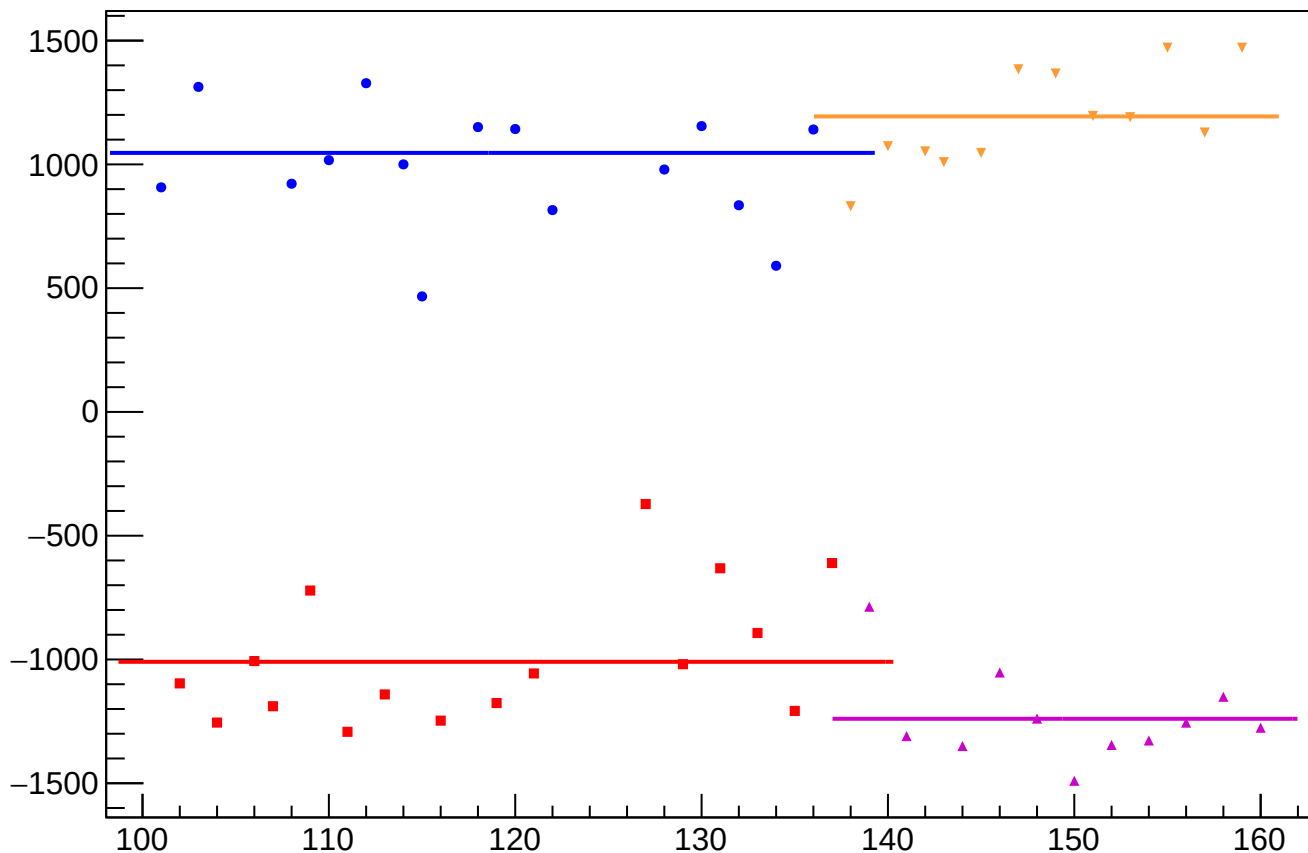
Left: -7.270 +/- 0.000 χ^2/NDF : 23893577266149002
 Right In: 254.578 +/- 0.000 χ^2/NDF : 978402113531006640741569223967249530880.0/14
 Right: -53.015 +/- 0.000 χ^2/NDF : 220036732540735
 Left Out: -2955.997 +/- 0.000 χ^2/NDF : 3707818280907677847342876591435129290752.0/11
 In: 1814.139 +/- 0.000 χ^2/NDF : 8042963130029704
 Right Out: -352.308 +/- 0.000 χ^2/NDF : 1100813647101508513447529068154010468352.0/15
 Out: -1857.540 +/- 0.000 χ^2/NDF : 74227087248686
 Left In: 2909.545 +/- 0.000 χ^2/NDF : 4377323512278558404902073126276443406336.0/10
 All: -26.357 +/- 0.000 χ^2/NDF : 260955494544

dit_sam5_coil1_err_mean vs Slug, Sign Corrected



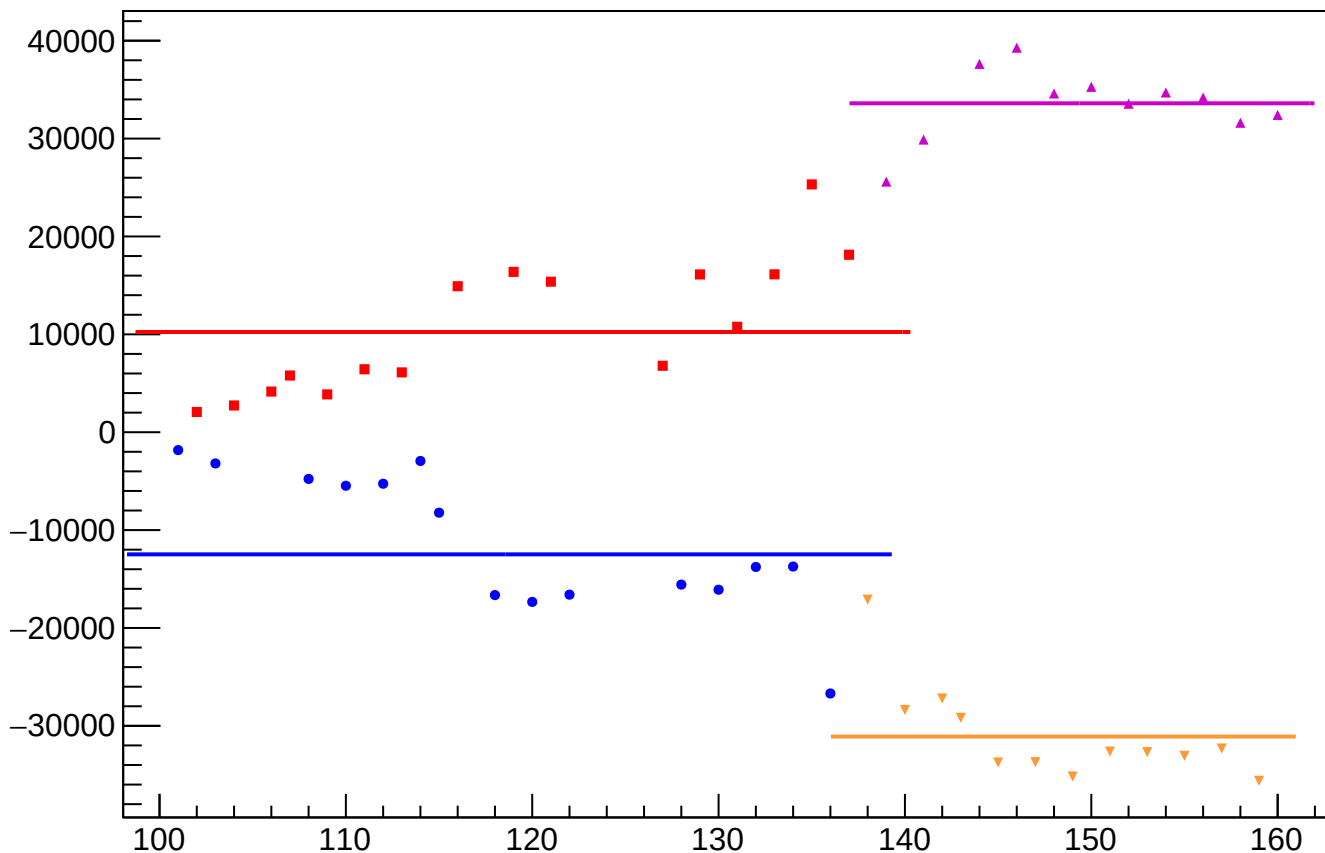
Right In: 196.955 $\pm$ 0.000 χ^2 /NDF: 4485245160329657914621372425838788608.0/14
 Left Out: 300.154 $\pm$ 0.000 χ^2 /NDF: 3873021428685352941137053448690204672.0/11
 Right Out: -169.778 $\pm$ 0.000 χ^2 /NDF: 3892609445494845784493558646385410048.0/15
 Left In: -313.228 $\pm$ 0.000 χ^2 /NDF: 3079061701843560714774529768142405632.0/10
 All: -0.159 $\pm$ 0.000 χ^2 /NDF: 2327307530740

dit_sam5_coil1_Ndata_mean vs Slug, Sign Corrected



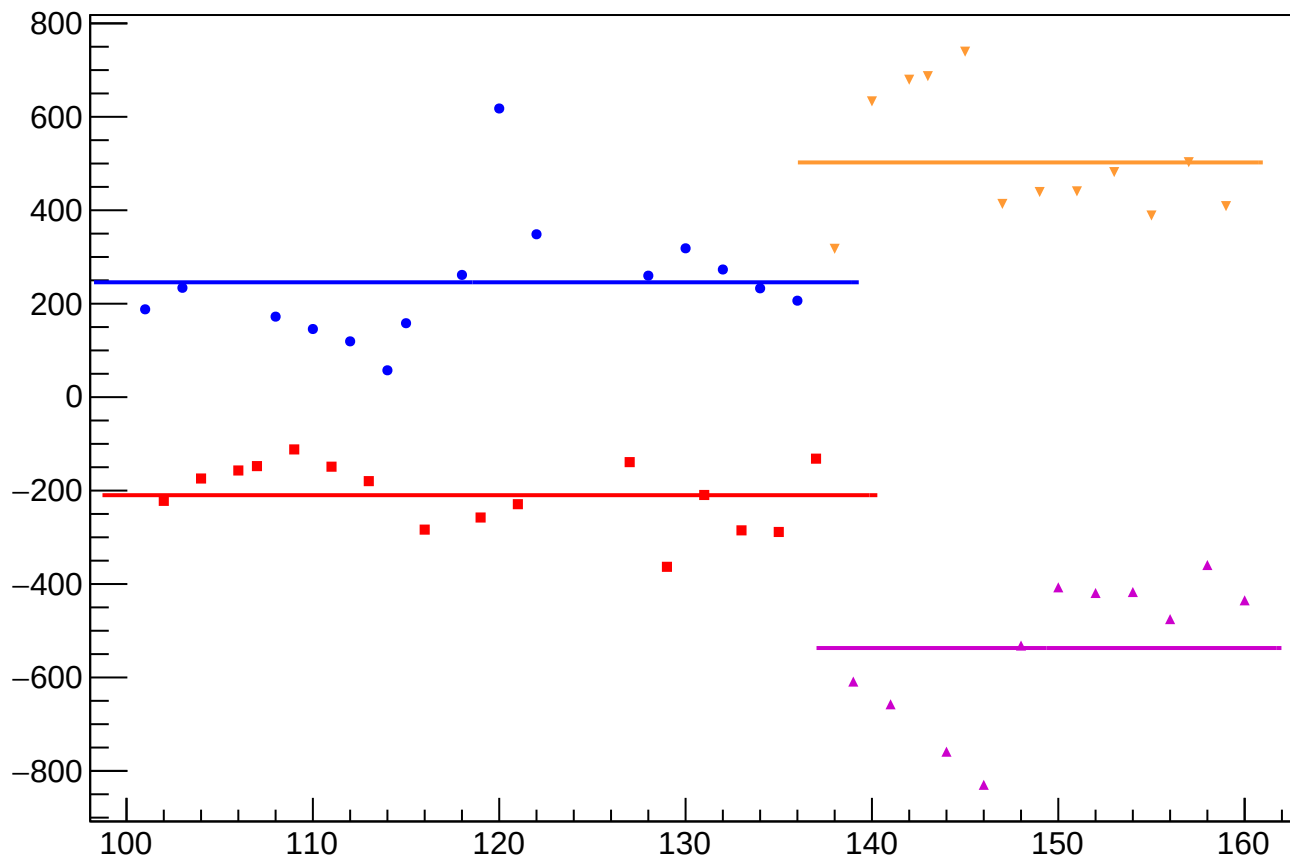
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam6_coil1_mean vs Slug, Sign Corrected



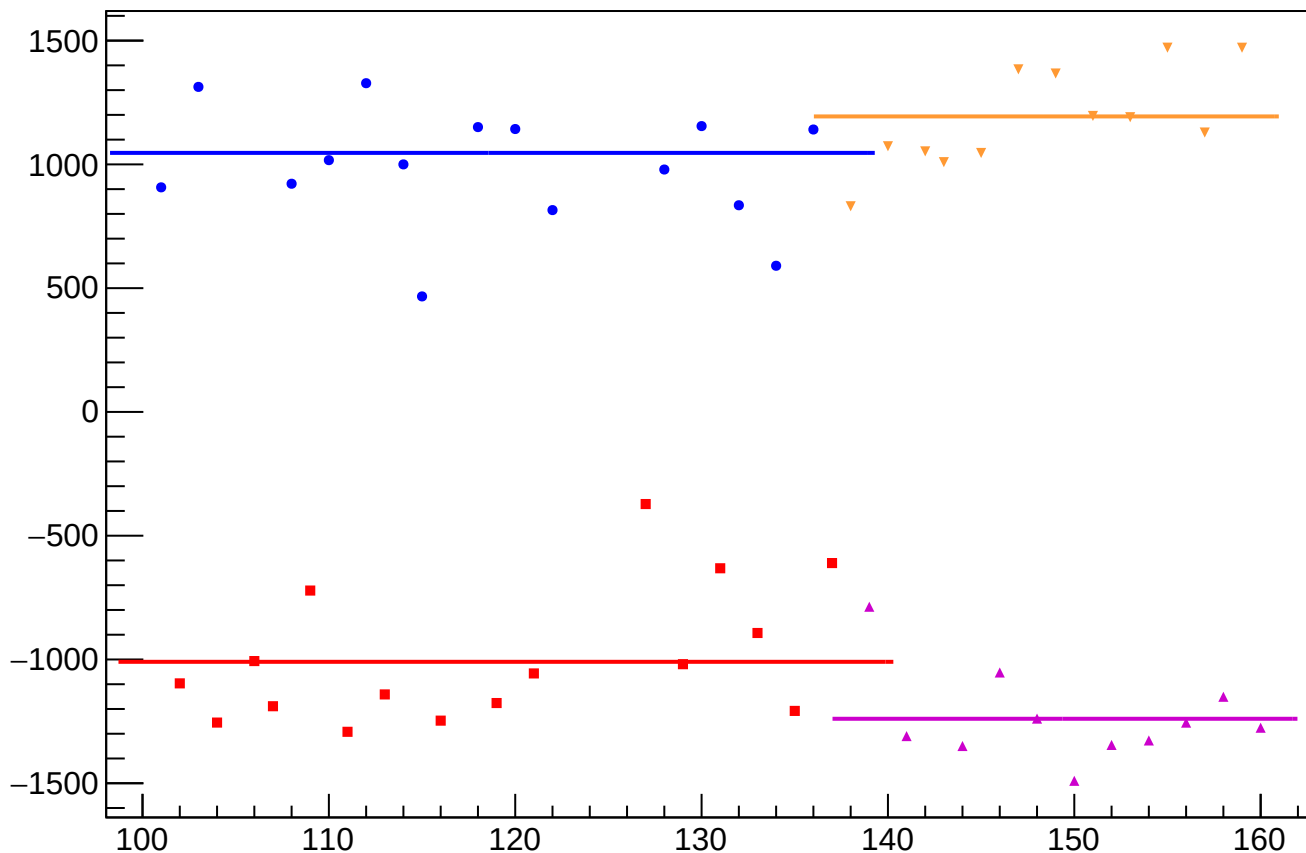
Right In: -12479.653+/-0.000 χ^2/NDF : 41178633231253805317353333973475271901184.0/14
 Left Out: -31096.364+/-0.000 χ^2/NDF : 21759430970673179273891990313759368282112.0/11
 Right Out: 10238.098+/-0.000 χ^2/NDF : 31227861126159534031961501923223718068224.0/15
 Left In: 33603.125+/-0.000 χ^2/NDF : 11377877741280377988076632069746943066112.0/10
 All: 430.161+/-0.000 χ^2/NDF : 220312696497

dit_sam6_coil1_err_mean vs Slug, Sign Corrected



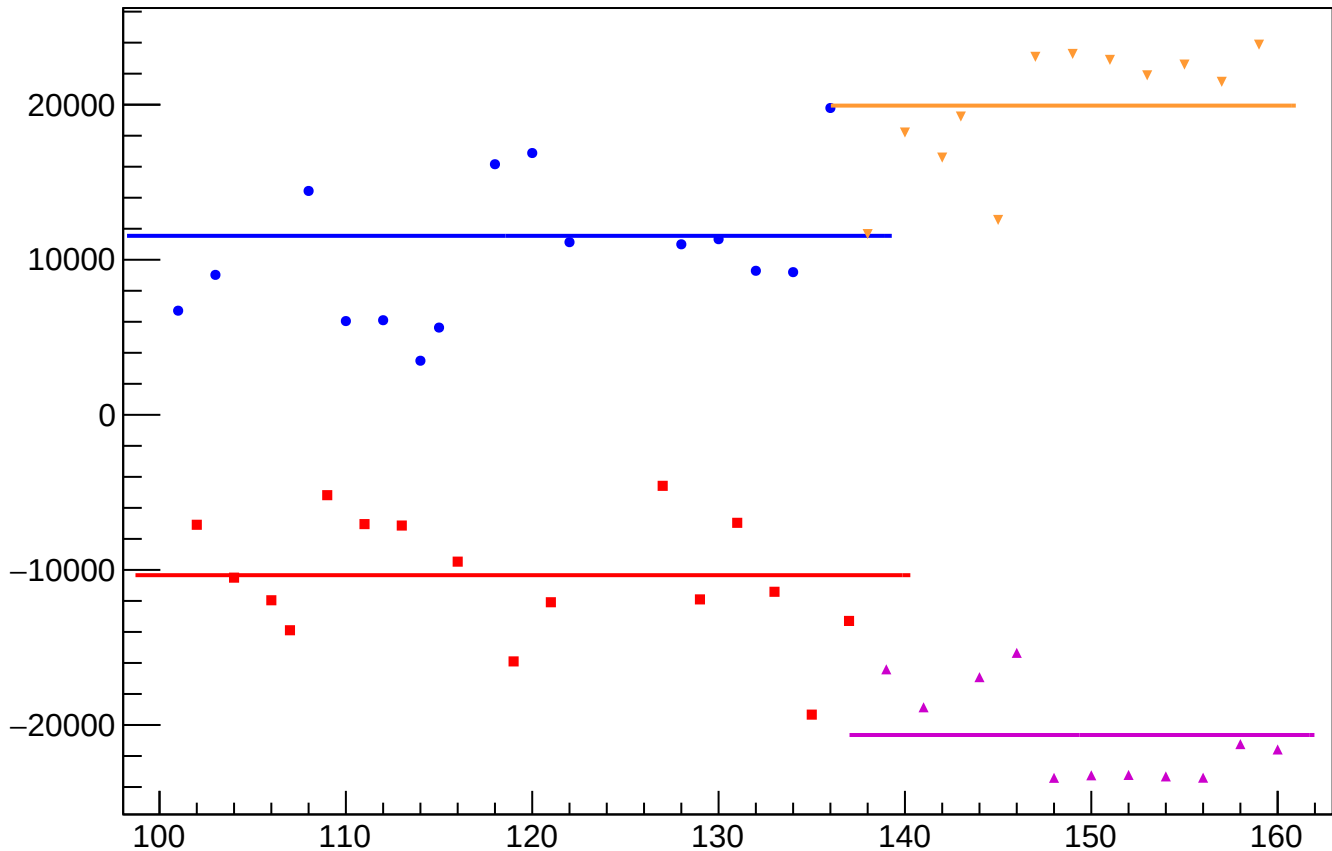
Right In: 245.832+/-0.000 χ^2/NDF : 7828269009300013139414476154059358208.0/14
 Left Out: 502.365+/-0.000 χ^2/NDF : 15191566092864942113763626663922368512.0/11
 Right Out: -209.844+/-0.000 χ^2/NDF : 3128489258838765241921217786024034304.0/15
 Left In: -536.975+/-0.000 χ^2/NDF : 20803022486400810956958367719555596288.0/10
 All: -5.524+/-0.000 χ^2/NDF : 6125424587177

dit_sam6_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam7_coil1_mean vs Slug, Sign Corrected



Right In: 11542.759+/-0.000

χ^2/NDF : 14233543123238566357226766219014687424512.0/14

Left Out: 19940.398+/-0.000

χ^2/NDF : 15069486743345866506868658008400293003264.0/11

Right Out: -10339.969+/-0.000

χ^2/NDF : 11260833863406751645923420062982418202624.0/15

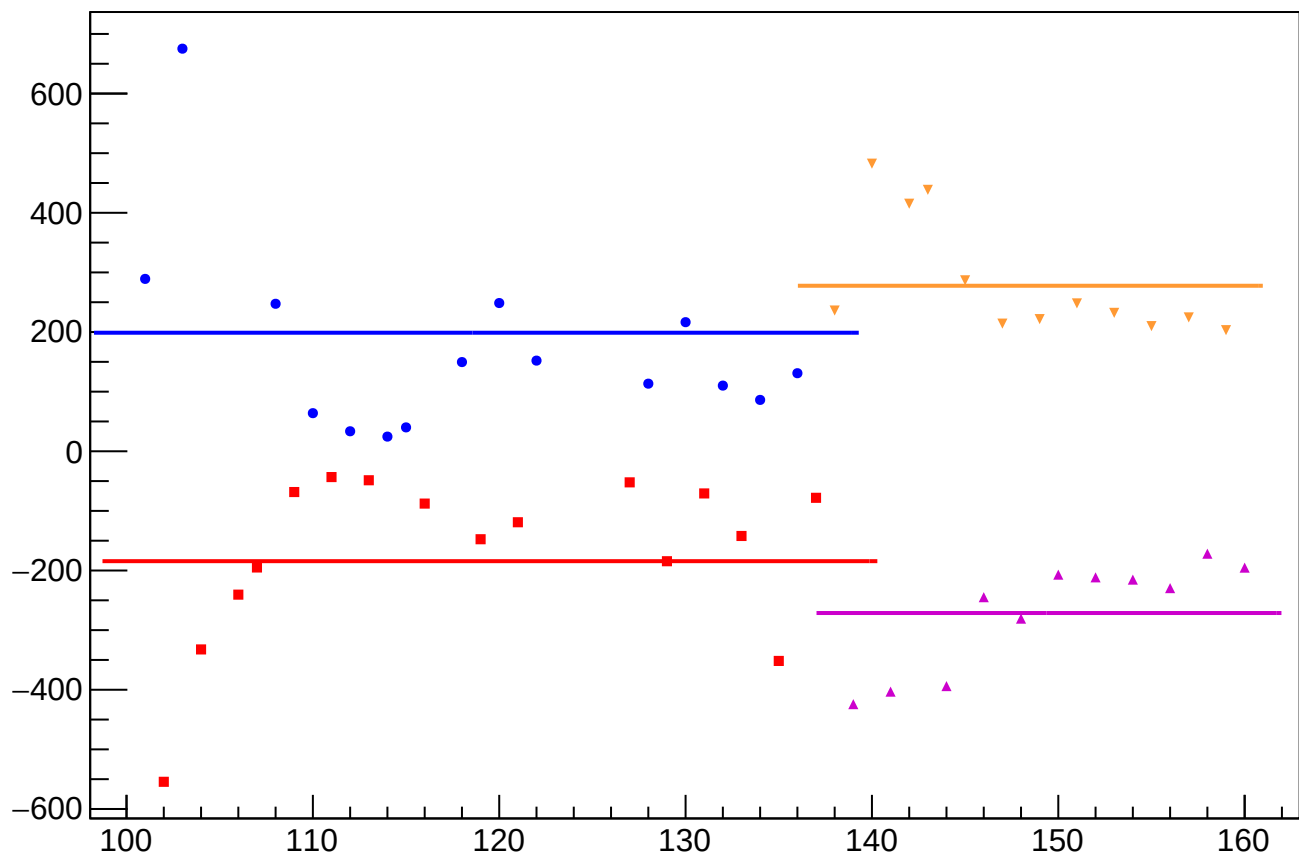
Left In: -20645.358+/-0.000

χ^2/NDF : 8456327376882782804888899010558833983488.0/10

All: -81.261+/-0.000

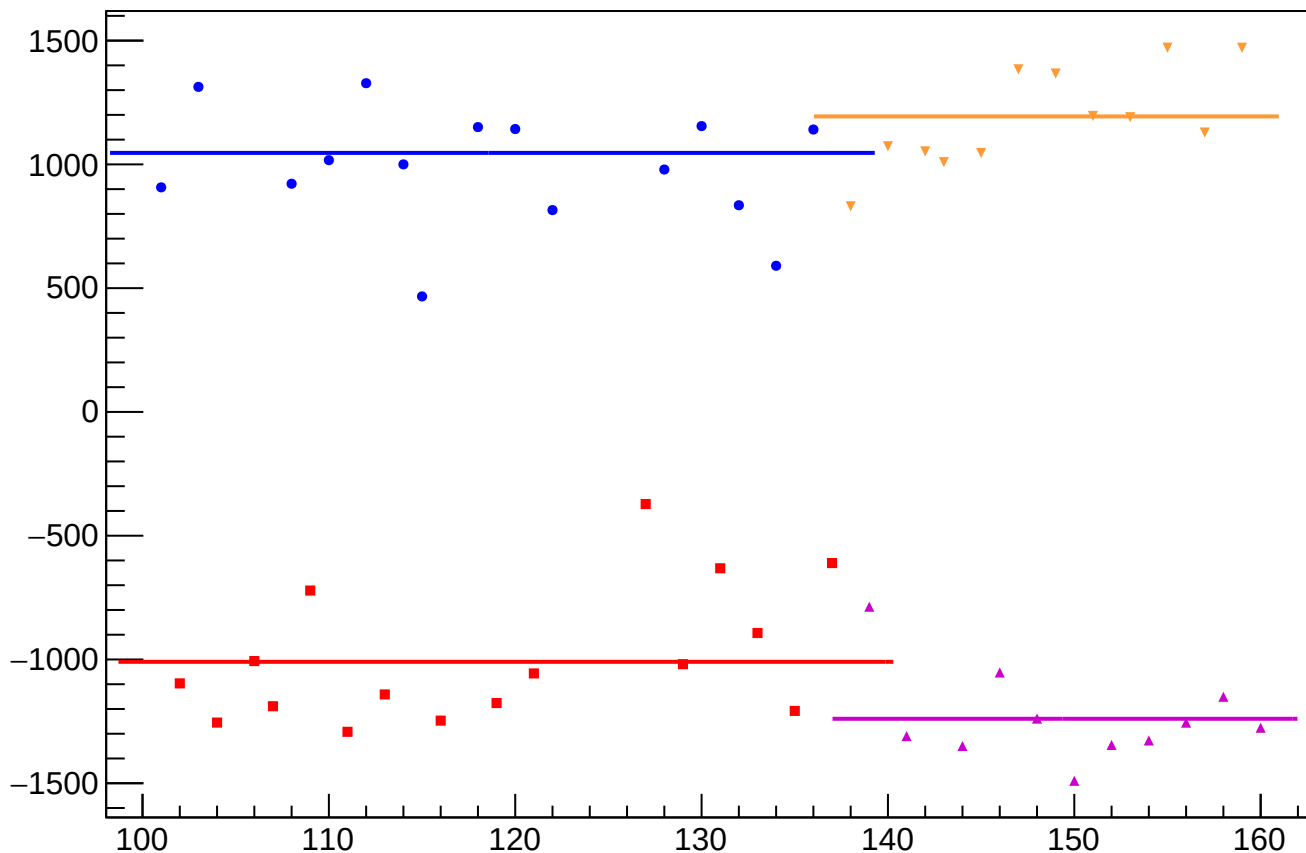
χ^2/NDF : 964042806490

dit_sam7_coil1_err_mean vs Slug, Sign Corrected



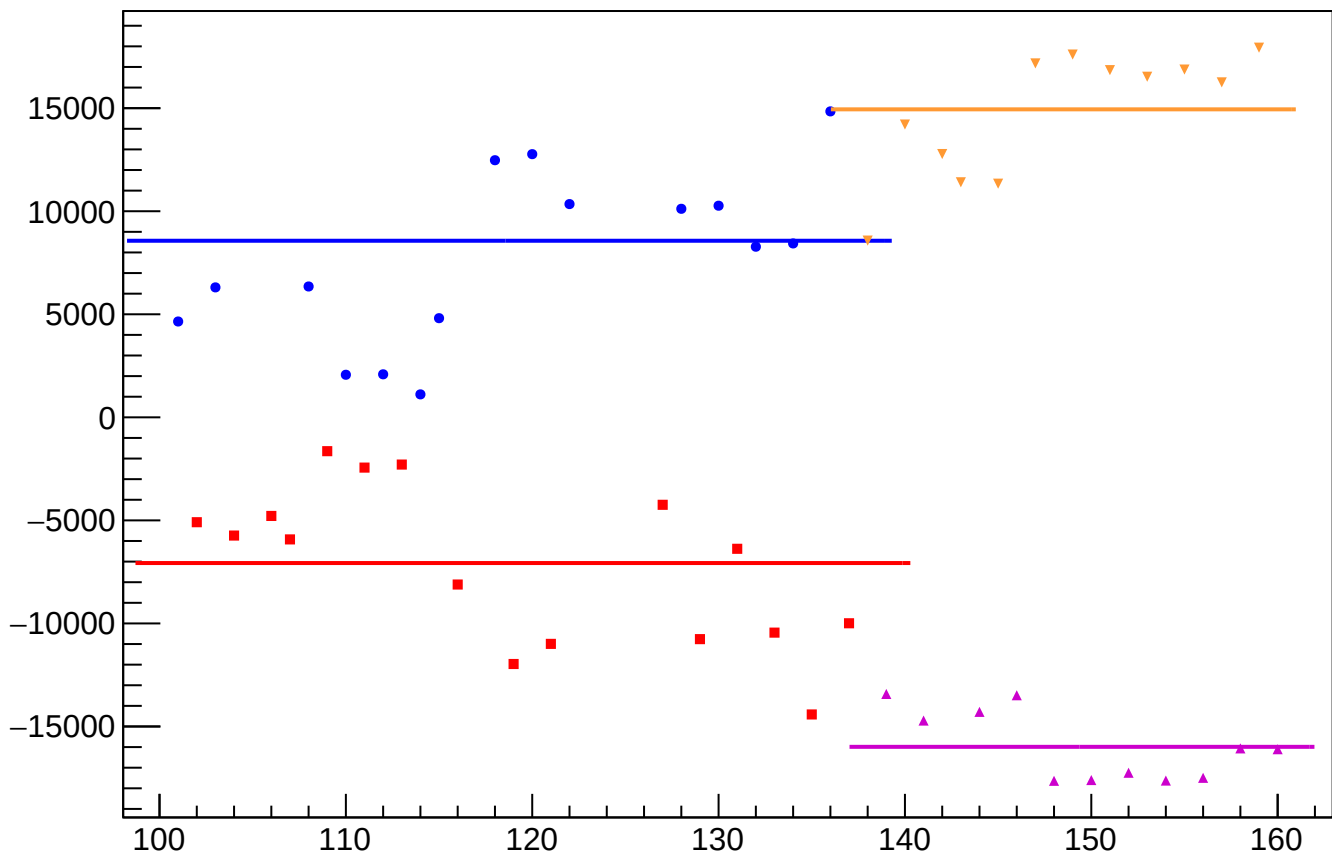
Right In: 198.850 $\pm$ 0.000 χ^2 /NDF: 18333995109503438037075916944440295424.0/14
 Left Out: 277.638 $\pm$ 0.000 χ^2 /NDF: 8038613705890486227984688847014330368.0/11
 Right Out: -184.328 $\pm$ 0.000 χ^2 /NDF: 14927434931395588601024961538372403200.0/15
 Left In: -271.291 $\pm$ 0.000 χ^2 /NDF: 7112445981030520145066814103974051840.0/10
 All: 2.915 $\pm$ 0.000 χ^2 /NDF: 2351696492796

dit_sam7_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam8_coil1_mean vs Slug, Sign Corrected



Right In: 8567.784+/-0.000

χ^2/NDF : 11106048878972501366429055679645708451840.0/14

Left Out: 14943.560+/-0.000

χ^2/NDF : 7900539606524387386359998406585036570624.0/11

Right Out: -7069.884+/-0.000

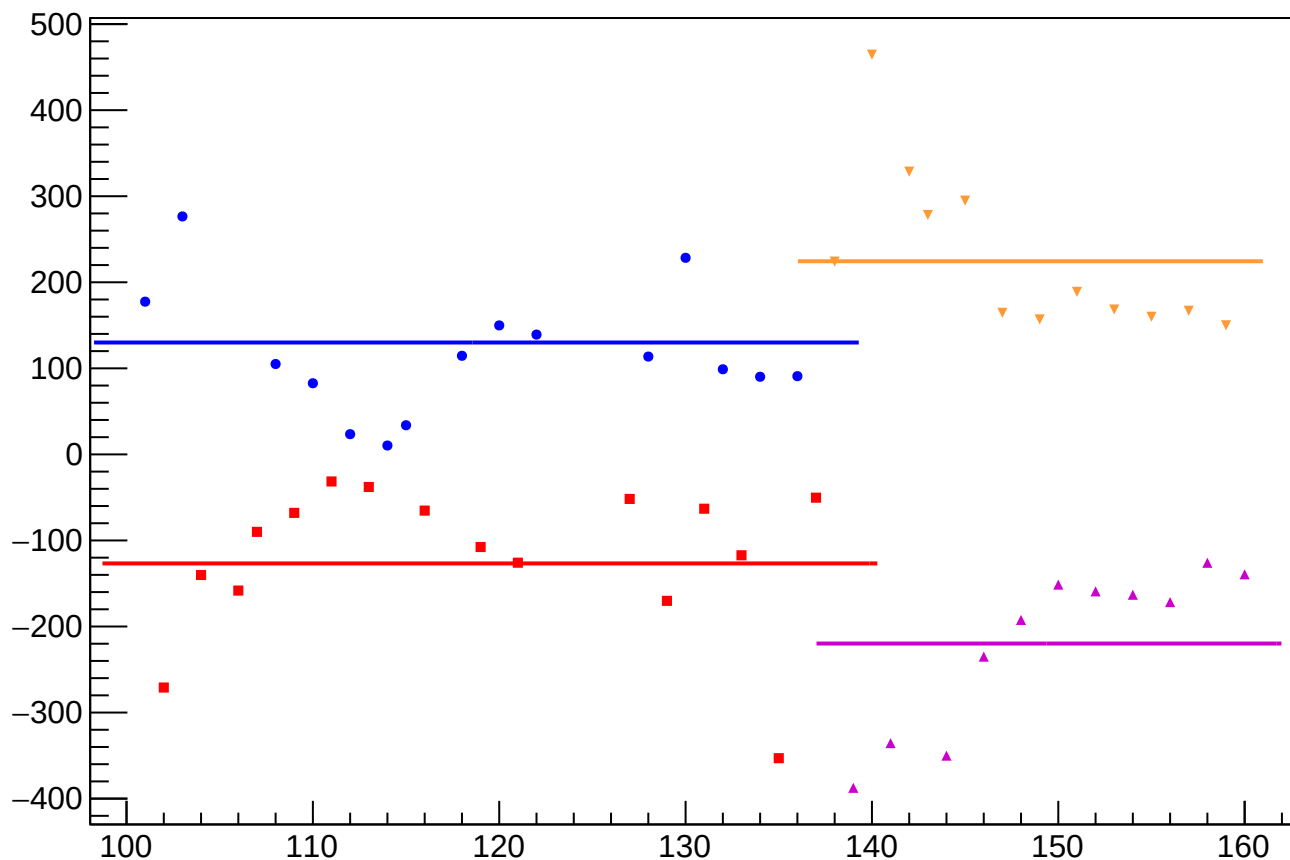
χ^2/NDF : 10076862363502652111378210539664387866624.0/15

Left In: -15987.436+/-0.000

χ^2/NDF : 2470393428254815728629083332629999124480.0/10

All: -85.320+/-0.000 χ^2/NDF : 552788797574

dit_sam8_coil1_err_mean vs Slug, Sign Corrected



Right In: 130.021+/-0.000

χ^2/NDF : 3115259987552341725946418665378283520.0/14

Left Out: 224.458+/-0.000

χ^2/NDF : 7870394140048491055430374232164401152.0/11

Right Out: -126.709+/-0.000

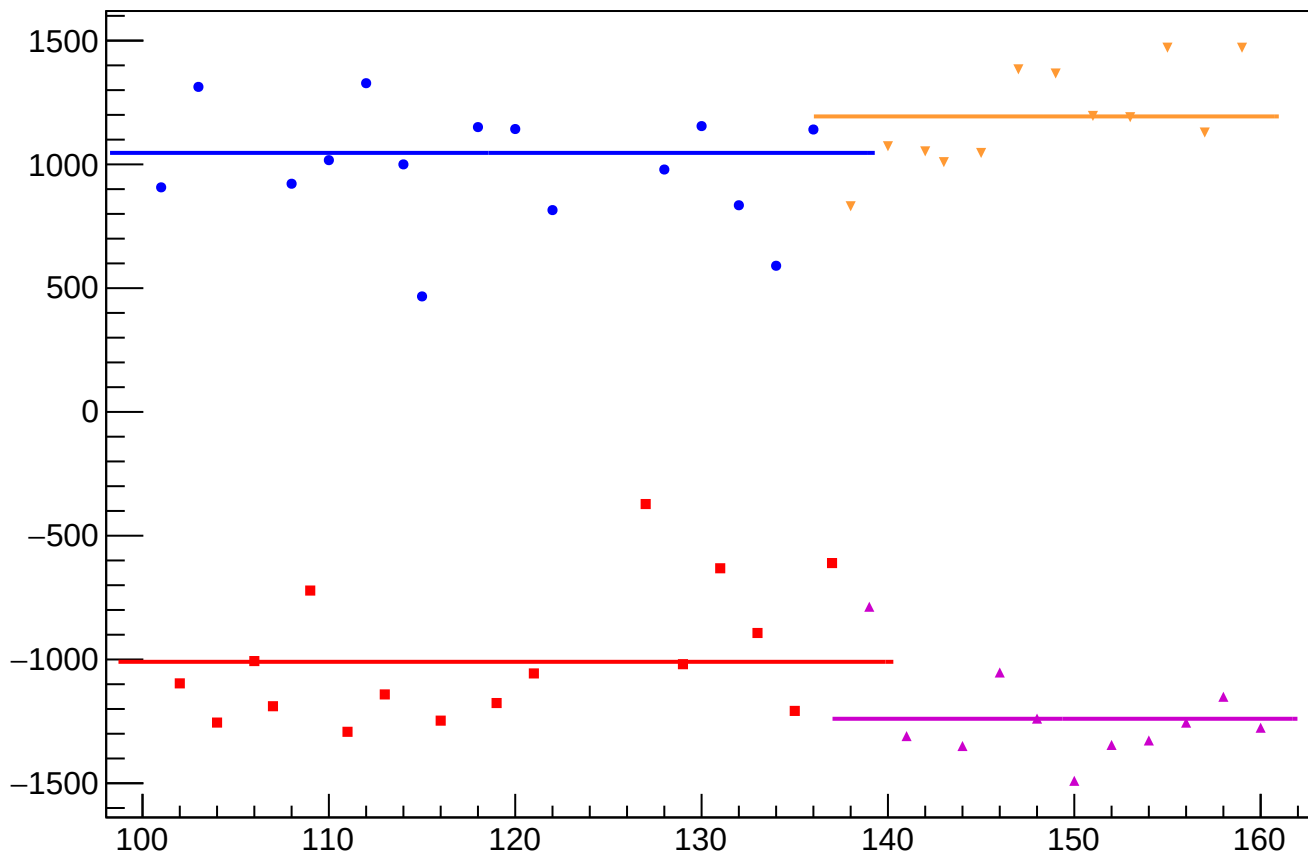
χ^2/NDF : 5397122581297664561308621600668516352.0/15

Left In: -219.787+/-0.000

χ^2/NDF : 7418609629454172879787970620999860224.0/10

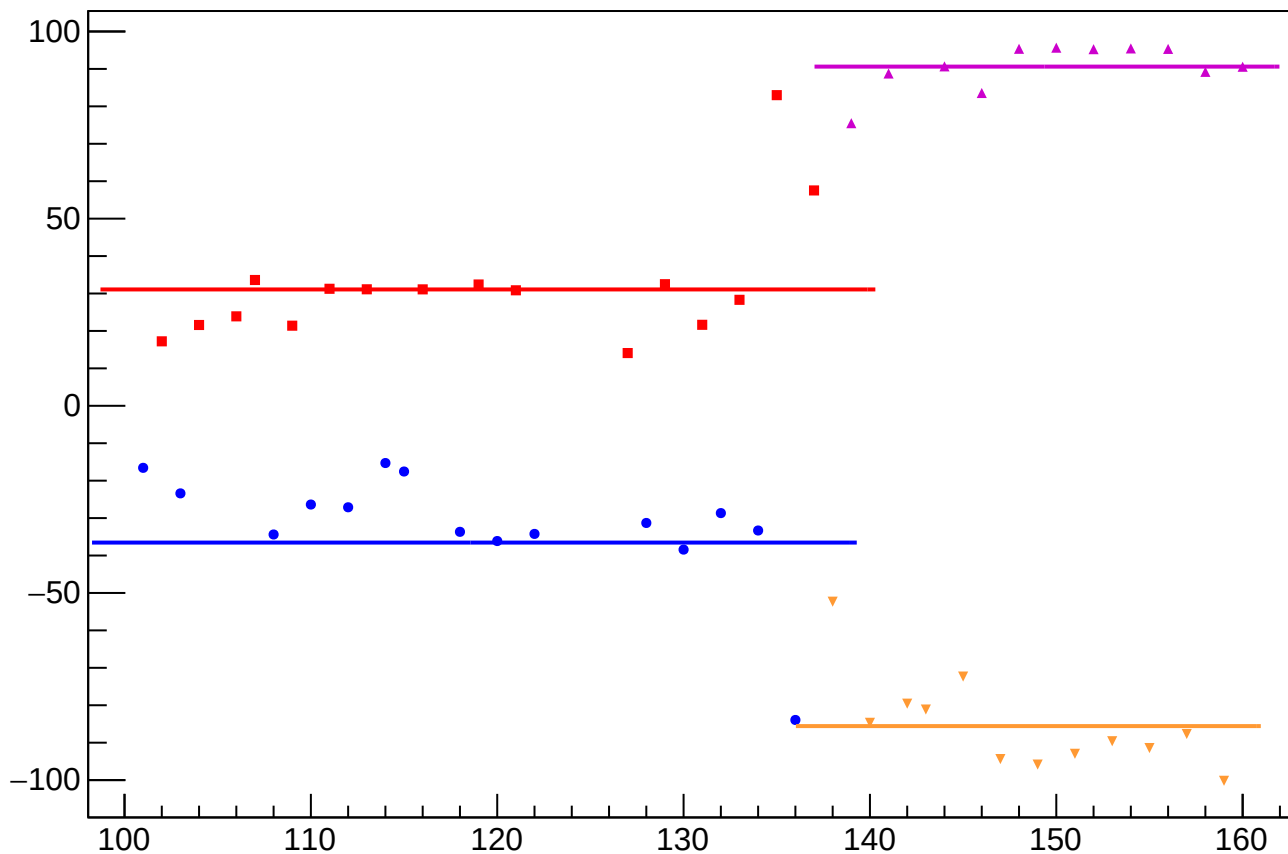
All: 0.615+/-0.000 χ^2/NDF : 1361639505758

dit_sam8_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4aX_coil3_mean vs Slug, Sign Corrected



Right In: -36.540 $\pm$ 0.000

Left Out: -85.570 $\pm$ 0.000

Right Out: 31.085 $\pm$ 0.000

Left In: 90.618 $\pm$ 0.000

χ^2 /NDF: 254351867861444609202637633864335360.0/14

χ^2 /NDF: 143557776257547990865591640732467200.0/11

χ^2 /NDF: 181291079119381636178408498876383232.0/15

χ^2 /NDF: 33089833083626408117297955498622976.0/10

Left: 3.003 $\pm$ 0.000 χ^2 /NDF: 144401853367529279

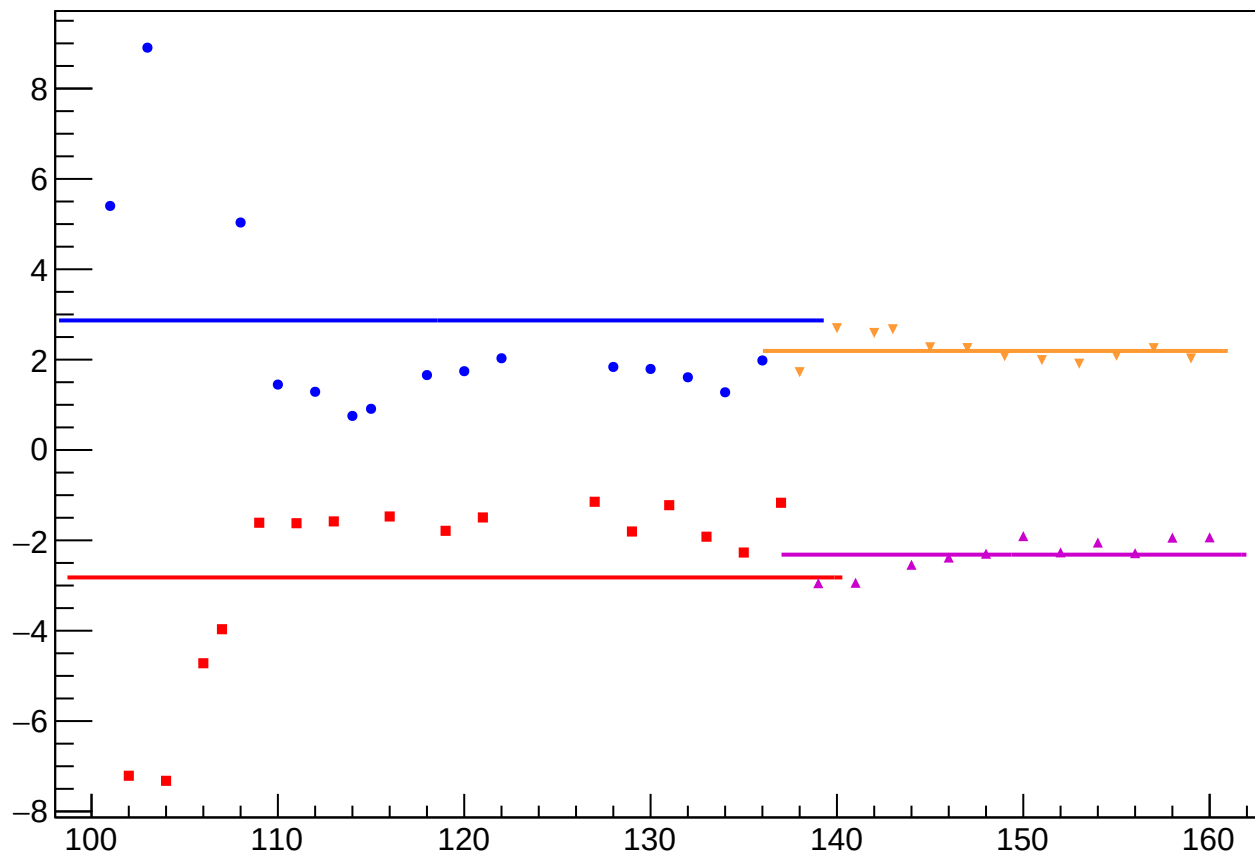
Right: -2.265 $\pm$ 0.000 χ^2 /NDF: 1939933040270060

In: 38.154 $\pm$ 0.000 χ^2 /NDF: 645160855456739365

Out: -36.355 $\pm$ 0.000 χ^2 /NDF: 5572346140178000

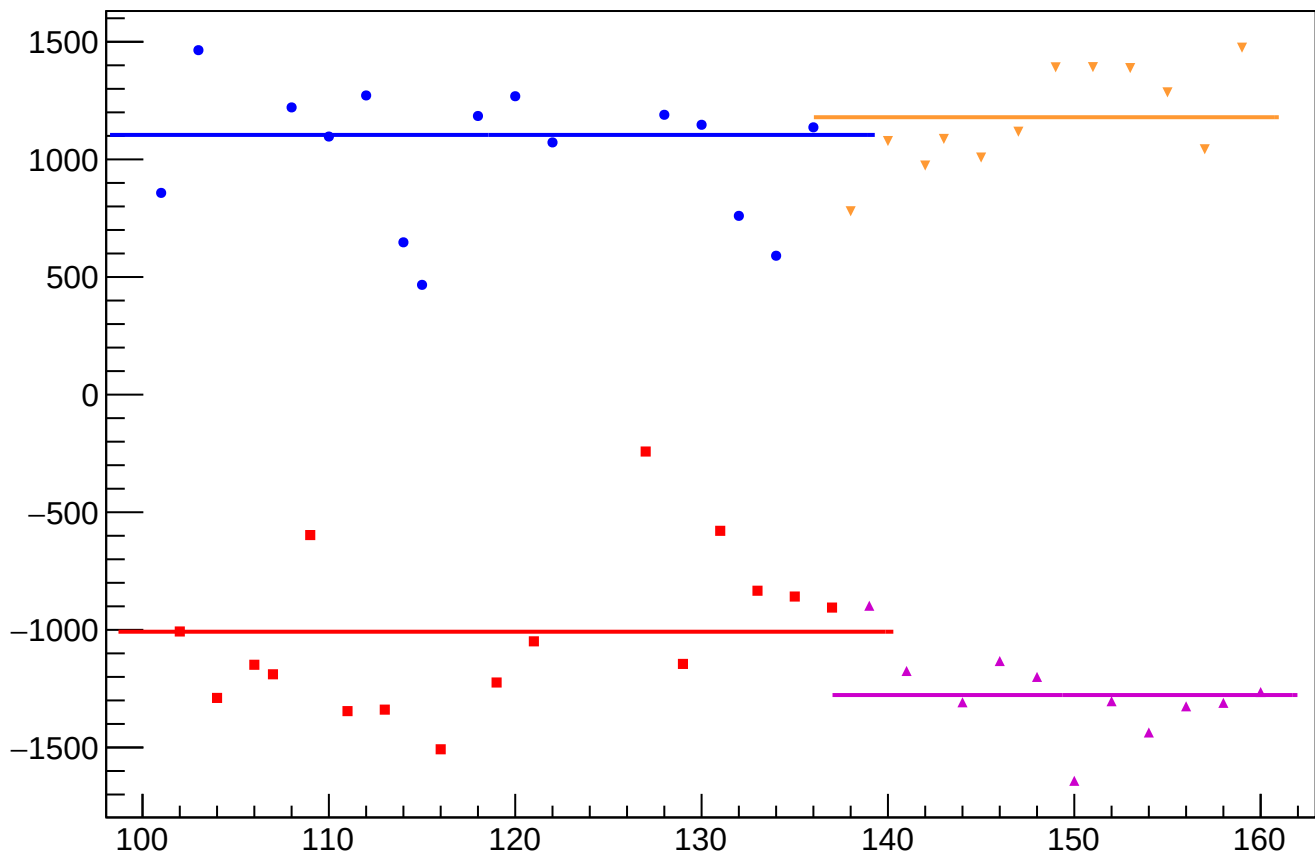
All: 0.805 $\pm$ 0.000 χ^2 /NDF: 16401400360245

dit_4aX_coil3_err_mean vs Slug, Sign Corrected



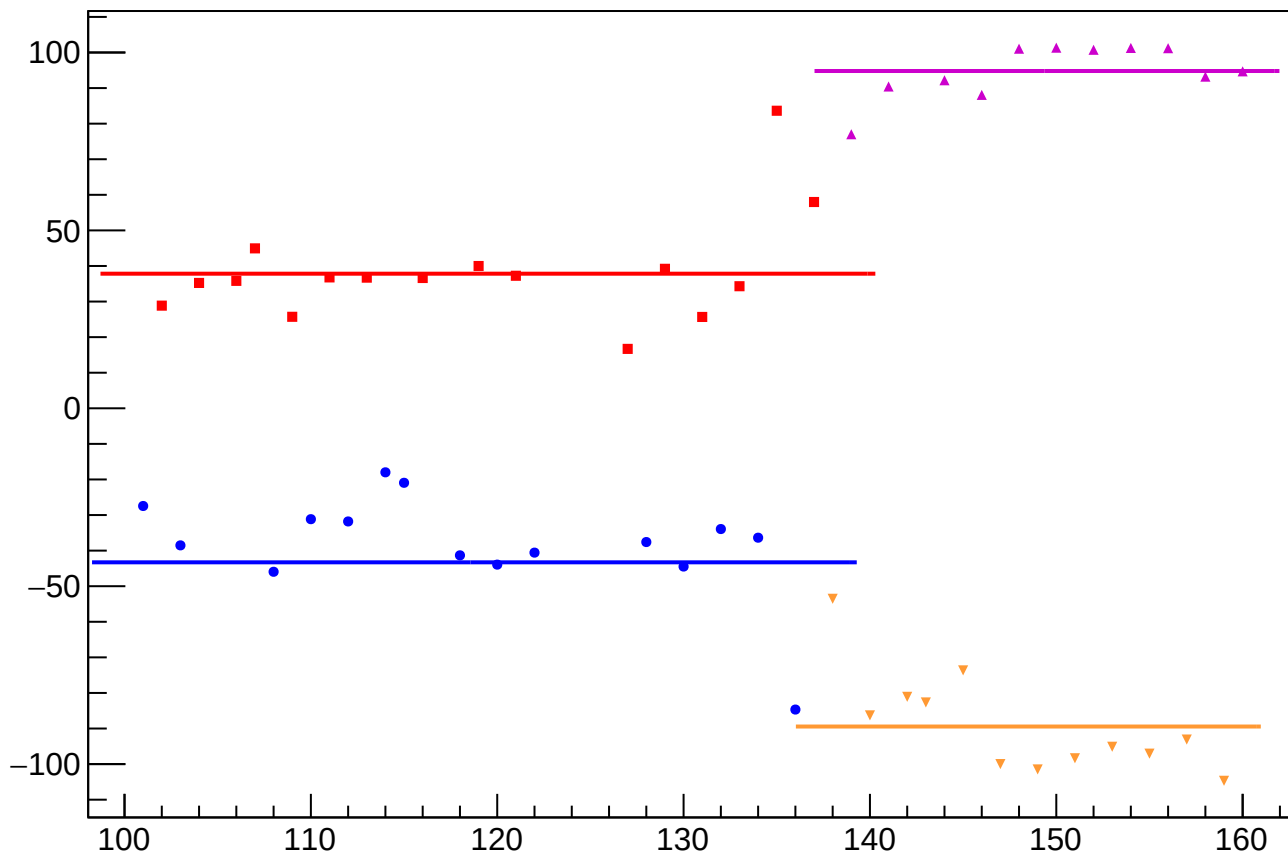
Right In: 2.867 ± 0.000 χ^2/NDF : 3455499087584693564208174061322240.0/14
 Left Out: 2.192 ± 0.000 χ^2/NDF : 76043906789141561084580015898624.0/11
 Right Out: -2.821 ± 0.000 χ^2/NDF : 3052948718107902490497172912472064.0/15
 Left In: -2.317 ± 0.000 χ^2/NDF : 114372564725079889099013285216256.0/10
 All: -0.050 ± 0.000 χ^2/NDF : 2668555650335

dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 ± 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 ± 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 ± 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 ± 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 ± 0.000 χ^2/NDF : 441608022845

dit_4eX_coil3_mean vs Slug, Sign Corrected



Right In: -43.289+/-0.000

Left Out: -89.439+/-0.000

Right Out: 37.832+/-0.000

Left In: 94.799+/-0.000

χ^2/NDF : 199342736778845281087197523996573696.0/14

χ^2/NDF : 181119962985690841138788427972476928.0/11

χ^2/NDF : 148683933977204936634636843897323520.0/15

χ^2/NDF : 49077050032611006982156968074936320.0/10

Left: 3.181+/-0.000 χ^2/NDF : 158268282831051271

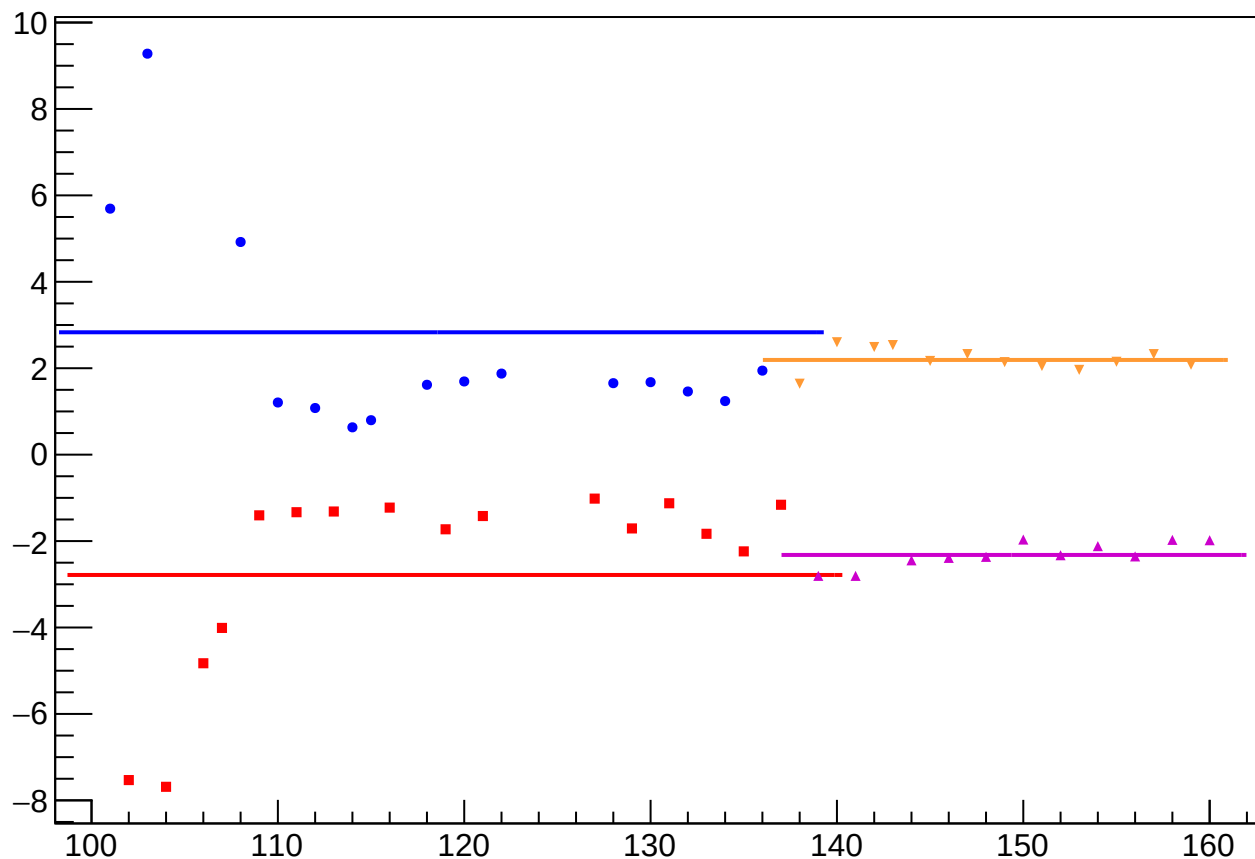
Right: -2.174+/-0.000 χ^2/NDF : 2512687101518028

In: 37.826+/-0.000 χ^2/NDF : 751790372998047563

Out: -35.745+/-0.000 χ^2/NDF : 6575776048743356

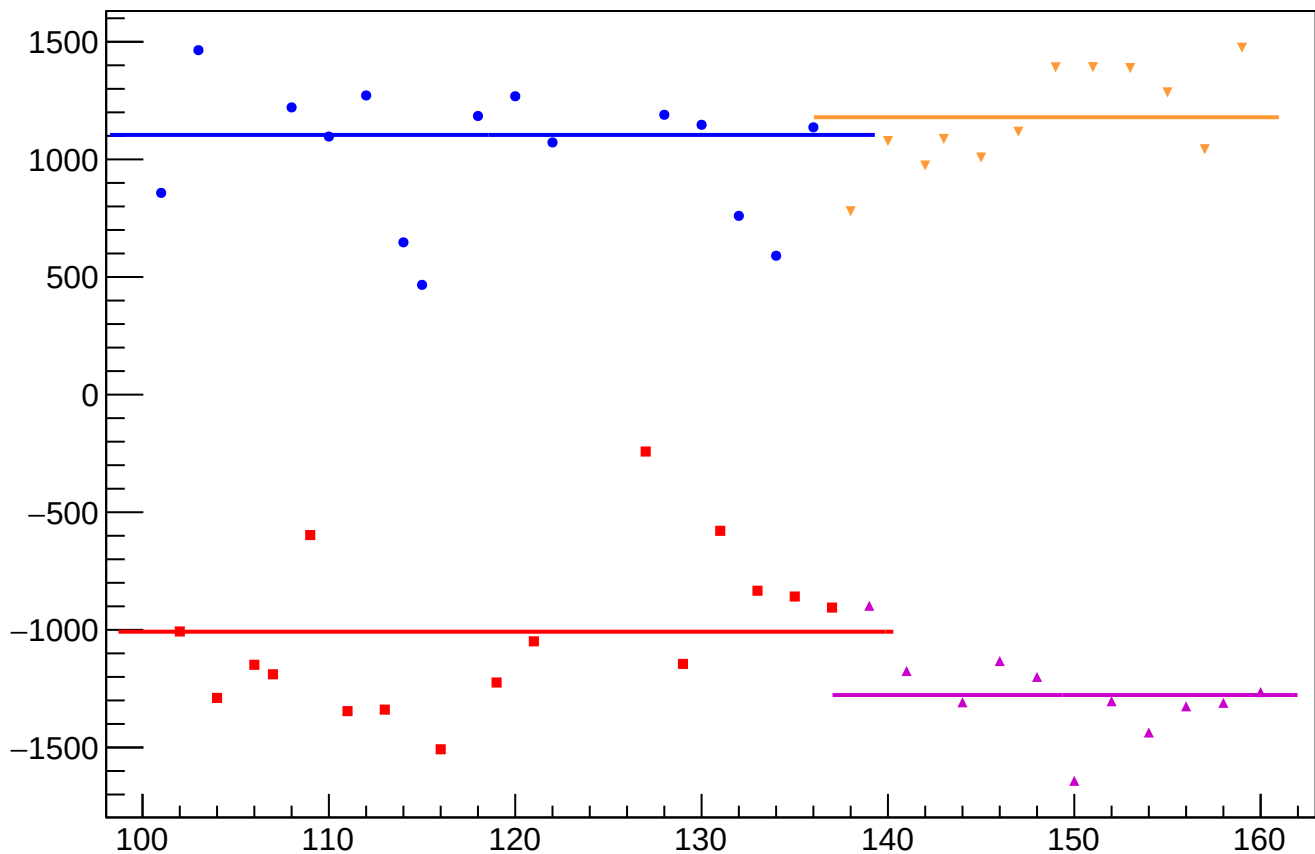
All: 0.947+/-0.000 χ^2/NDF : 1836150818238

dit_4eX_coil3_err_mean vs Slug, Sign Corrected



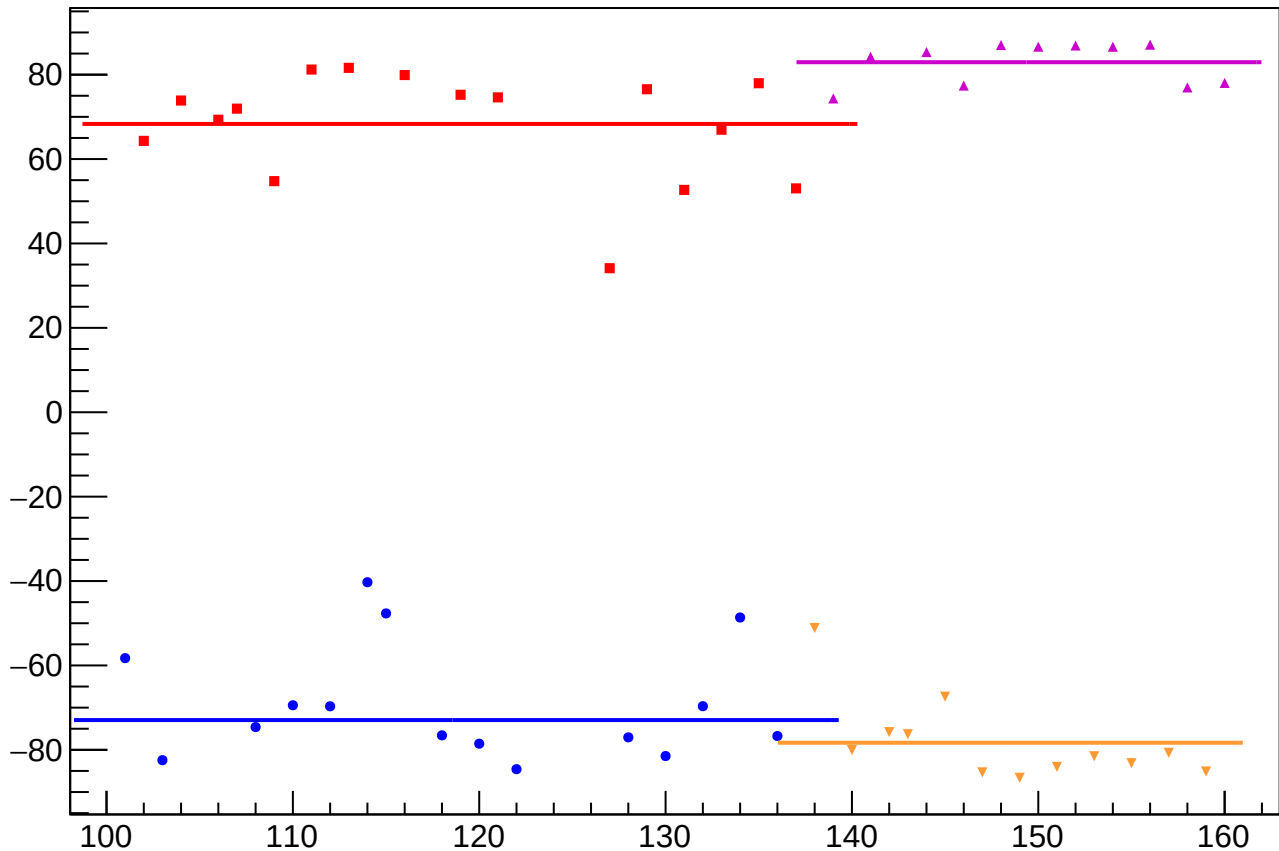
Right In: 2.832 ± 0.000 χ^2/NDF : 3957672531929017328512564323155968.0/14
 Left Out: 2.192 ± 0.000 χ^2/NDF : 59601559247415008947816525463552.0/11
 Right Out: -2.784 ± 0.000 χ^2/NDF : 3589544956108116898091236897849344.0/15
 Left In: -2.321 ± 0.000 χ^2/NDF : 74619123224616324544404505231360.0/10
 All: -0.051 ± 0.000 χ^2/NDF : 2741558316748

dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000	χ^2/NDF : 32737841591587454251521906421545304064.0/14	Left: -55.563+/-0.000	χ^2/NDF : 2840892210996509
Left Out: 1179.336+/-0.000	χ^2/NDF : 38742916032610862911819544133355175936.0/11	Right: 33.659+/-0.000	χ^2/NDF : 1569083056347410
Right Out: -1007.906+/-0.000	χ^2/NDF : 69077878009873965622695939627477368832.0/15	In: -294.641+/-0.000	χ^2/NDF : 2223953426306853
Left In: -1277.097+/-0.000	χ^2/NDF : 29578729901602647998073818936097374208.0/10	Out: 256.572+/-0.000	χ^2/NDF : 1952554182211910
	All: -18.335+/-0.000	χ^2/NDF : 441608022845	

dit_11X12X_coil3_mean vs Slug, Sign Corrected



Right In: -72.949+/-0.000

Left Out: -78.317+/-0.000

Right Out: 68.324+/-0.000

Left In: 82.954+/-0.000

χ^2/NDF : 65755428464857980306879126291087360.0/14

χ^2/NDF : 86858932587671188594087415160766464.0/11

χ^2/NDF : 106694344898202364483367131372584960.0/15

χ^2/NDF : 20419157774877297849205303170564096.0/10

Left: 2.757+/-0.000 χ^2/NDF : 120577028568665653

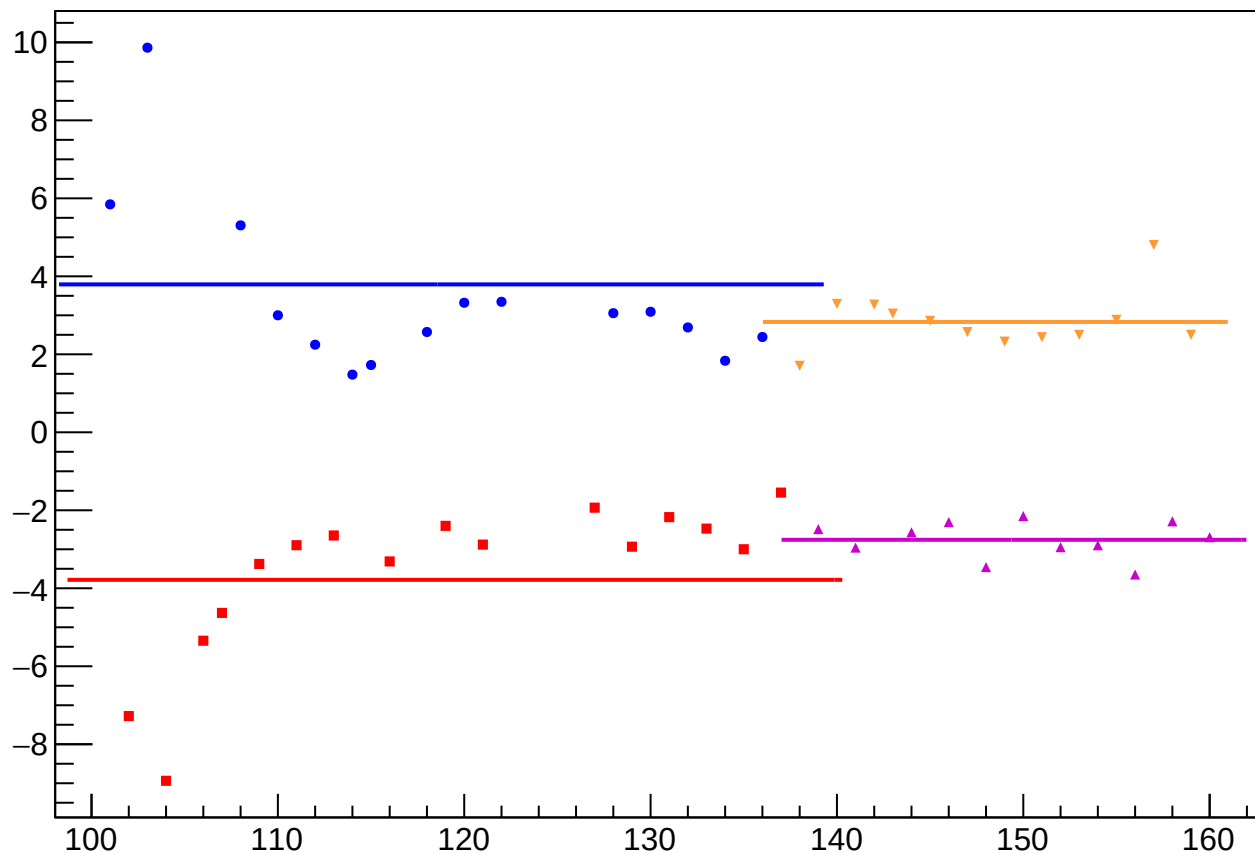
Right: -1.347+/-0.000 χ^2/NDF : 6737392391922205

In: 18.630+/-0.000 χ^2/NDF : 935227547229560147

Out: -16.451+/-0.000 χ^2/NDF : 8485315004637869

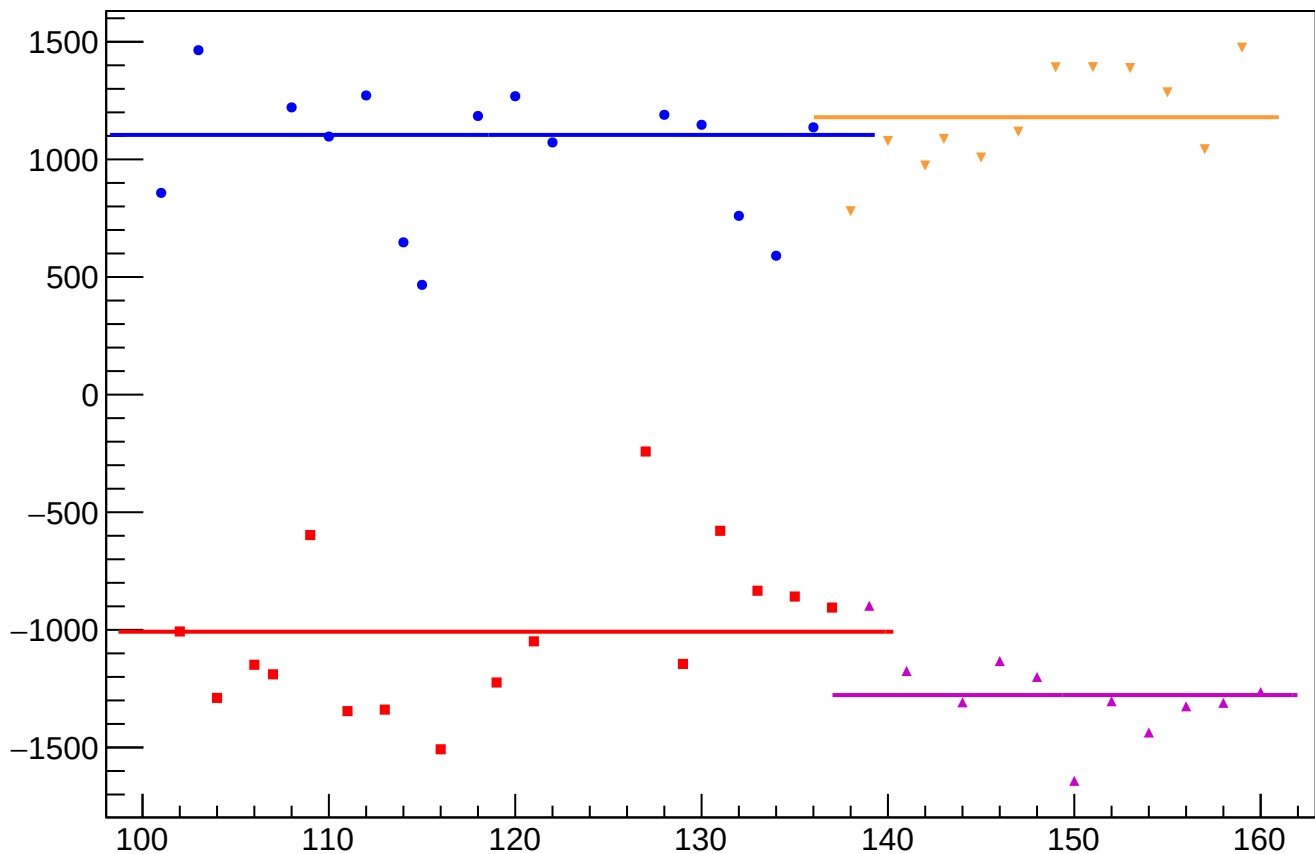
All: 1.045+/-0.000 χ^2/NDF : 18808011568652

dit_11X12X_coil3_err_mean vs Slug, Sign Corrected



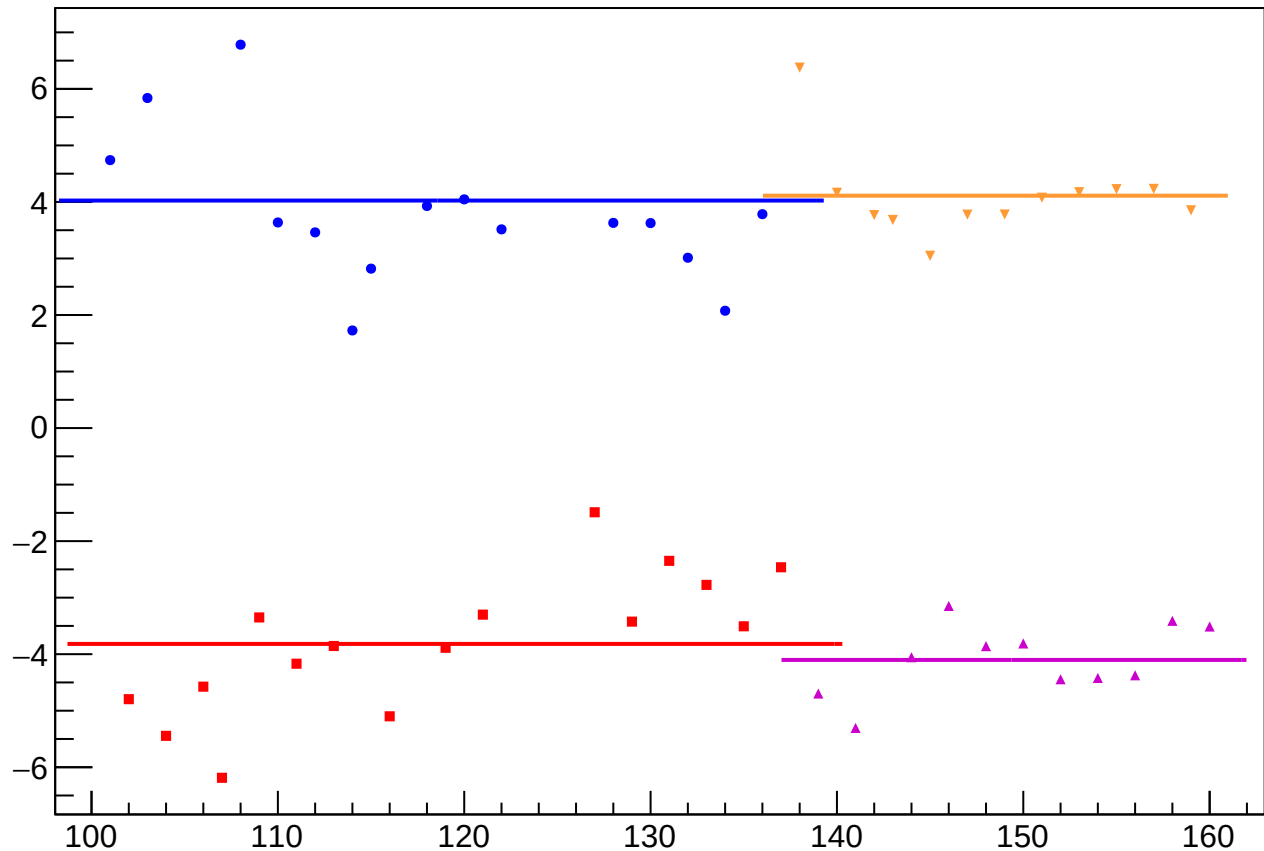
Right In: 3.793 $\pm$ 0.000 χ^2 /NDF: 3205389242726129619796290810413056.0/14
 Left Out: 2.830 $\pm$ 0.000 χ^2 /NDF: 492749026028838907947829621161984.0/11
 Right Out: -3.783 $\pm$ 0.000 χ^2 /NDF: 2878586622192676654452338755371008.0/15
 Left In: -2.757 $\pm$ 0.000 χ^2 /NDF: 191720746547732306226054042746880.0/10
 All: -0.007 $\pm$ 0.000 χ^2 /NDF: 3999287355304

dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected



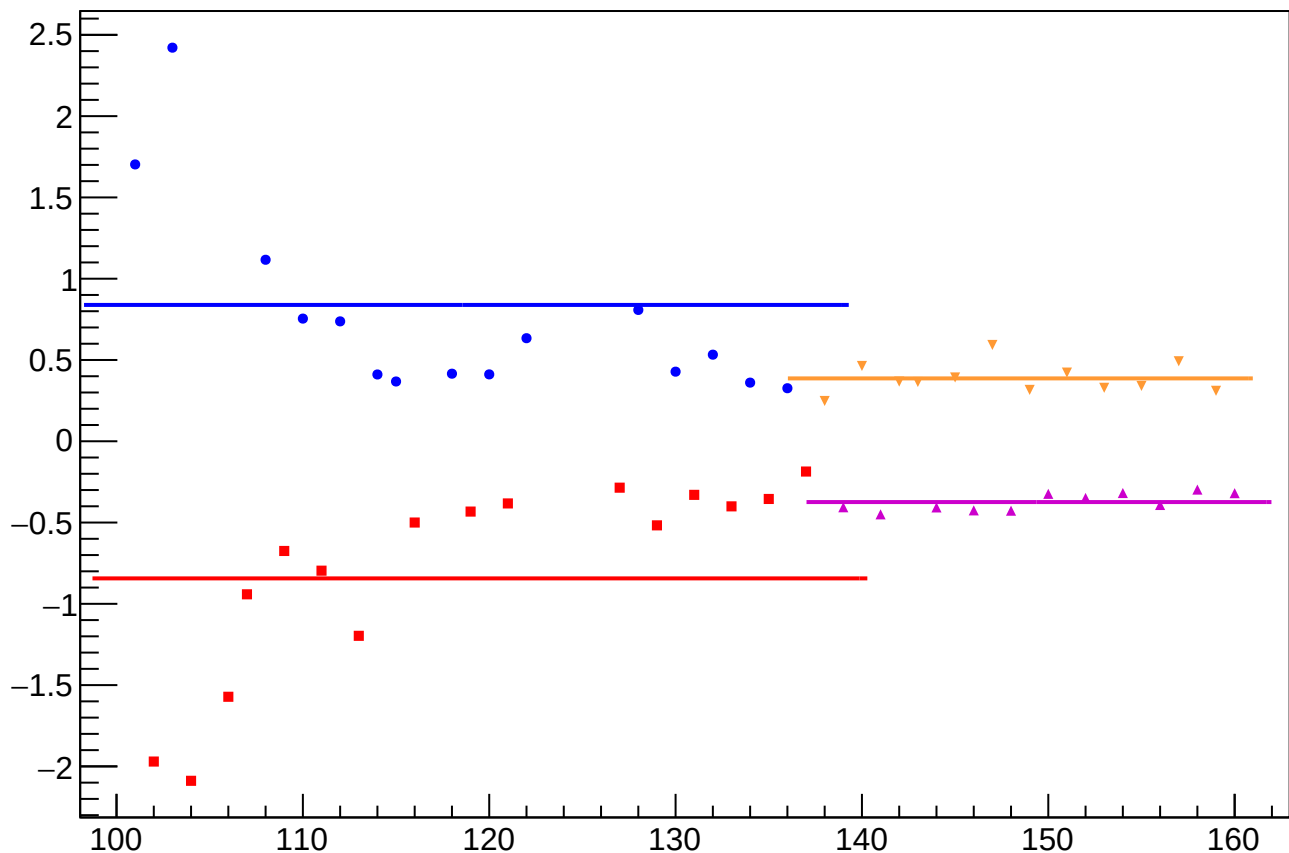
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_4aY_coil3_mean vs Slug, Sign Corrected



Right In: 4.025 ± 0.000 $\chi^2/\text{NDF}: 769001650442321928129473832550400.0/14$
 Left Out: 4.111 ± 0.000 $\chi^2/\text{NDF}: 532620096510613693690902891986944.0/11$
 Right Out: -3.819 ± 0.000 $\chi^2/\text{NDF}: 888232240226434329114859171479552.0/15$
 Left In: -4.102 ± 0.000 $\chi^2/\text{NDF}: 329978343606173709019066465779712.0/10$
 All: 0.010 ± 0.000 $\chi^2/\text{NDF}: 53749829914354$

dit_4aY_coil3_err_mean vs Slug, Sign Corrected



Right In: 0.839+/-0.000

χ^2/NDF : 258416025334615661521163083841536.0/14

Left Out: 0.387+/-0.000

χ^2/NDF : 7656532010606705303389852401664.0/11

Right Out: -0.844+/-0.000

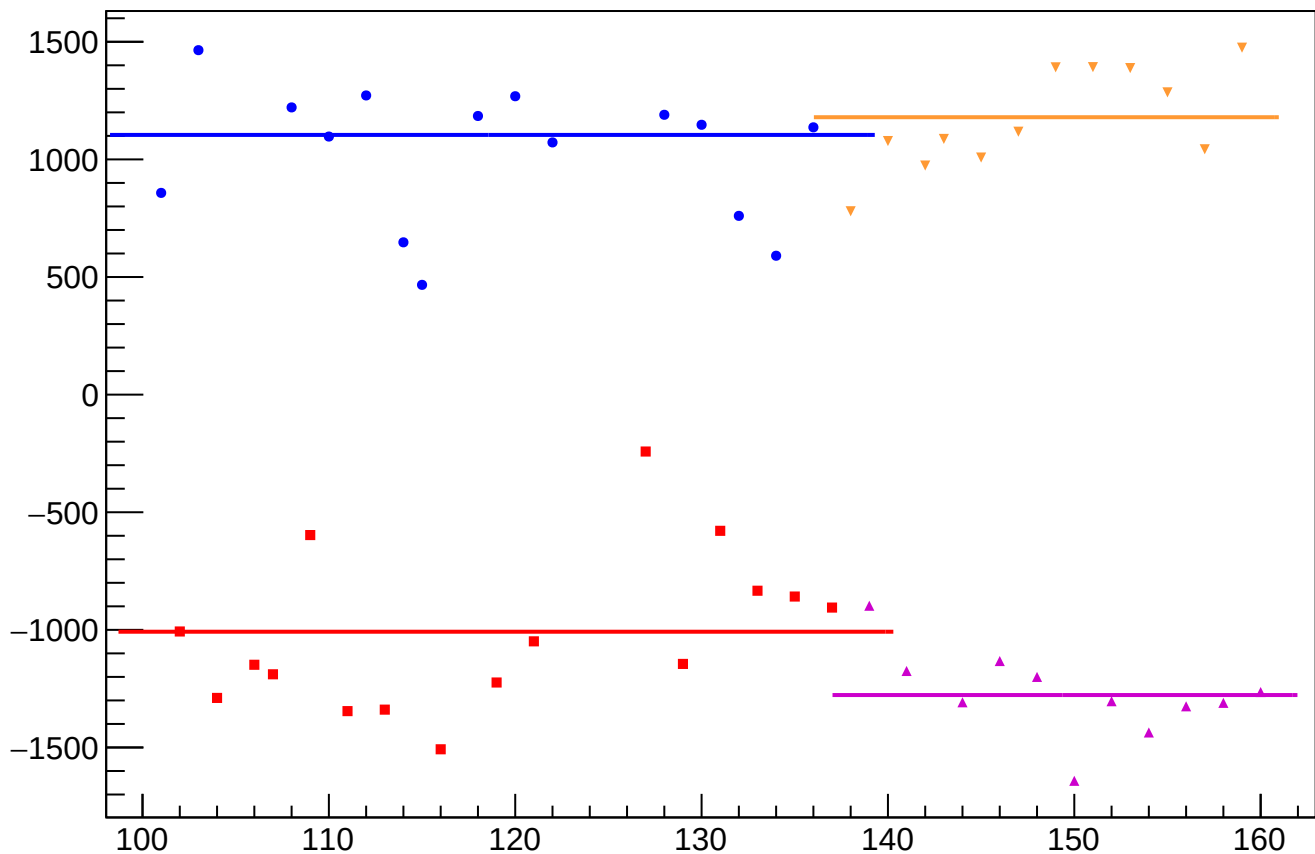
χ^2/NDF : 252917509393432760240648918925312.0/15

Left In: -0.374+/-0.000

χ^2/NDF : 2408191855928929204652403064832.0/10

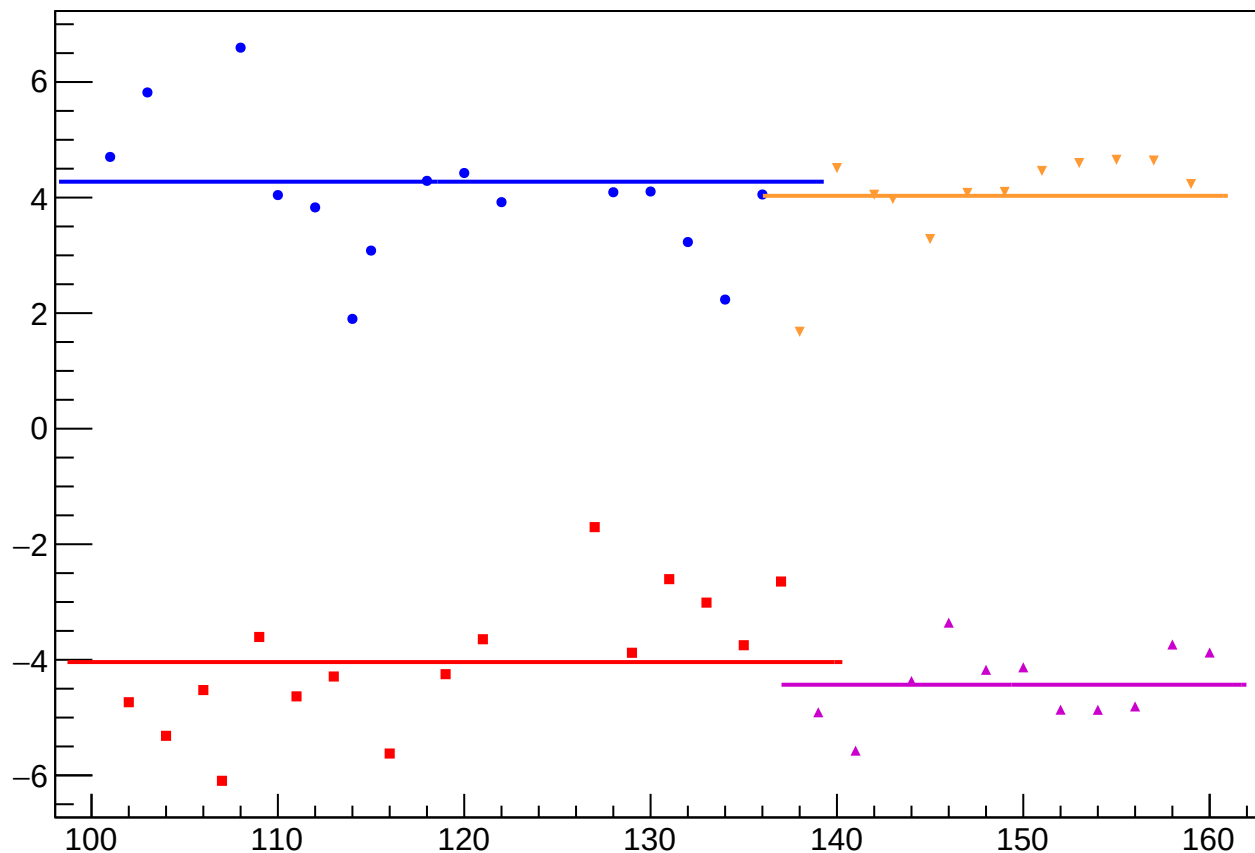
All: -0.003+/-0.000 χ^2/NDF : 1718408465884

dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected



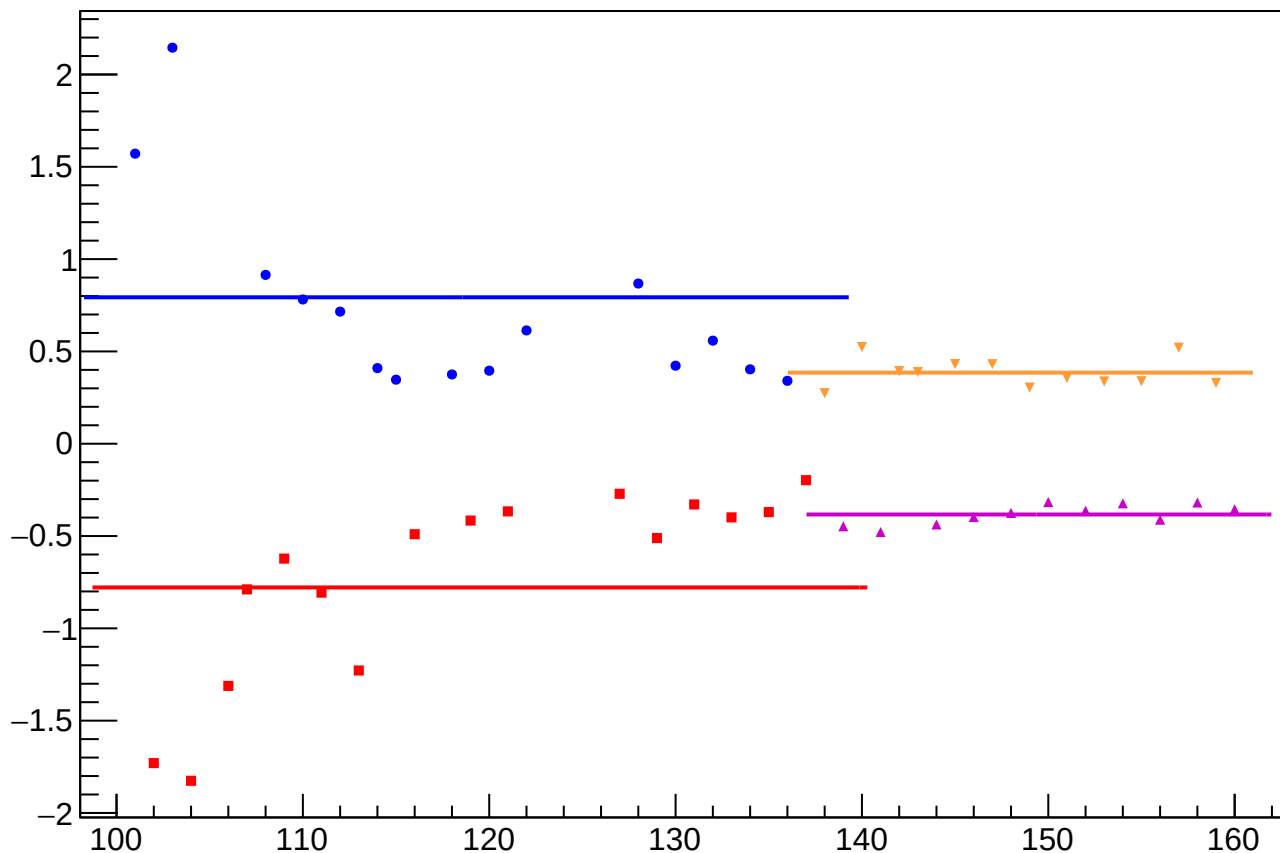
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_4eY_coil3_mean vs Slug, Sign Corrected



Right In: 4.275 ± 0.000 $\chi^2/\text{NDF}: 597188707898198851792415435522048.0/14$
 Left Out: 4.030 ± 0.000 $\chi^2/\text{NDF}: 600797720921367466879695481470976.0/11$
 Right Out: -4.039 ± 0.000 $\chi^2/\text{NDF}: 772368848194464324973108765130752.0/15$
 Left In: -4.432 ± 0.000 $\chi^2/\text{NDF}: 345602703191245770554210363899904.0/10$
 All: -0.105 ± 0.000 $\chi^2/\text{NDF}: 5801697378090$

dit_4eY_coil3_err_mean vs Slug, Sign Corrected



Right In: 0.793+/-0.000

χ^2/NDF : 195508777173589483440314700005376.0/14

Left Out: 0.385+/-0.000

χ^2/NDF : 5547784180240414411423653822464.0/11

Right Out: -0.778+/-0.000

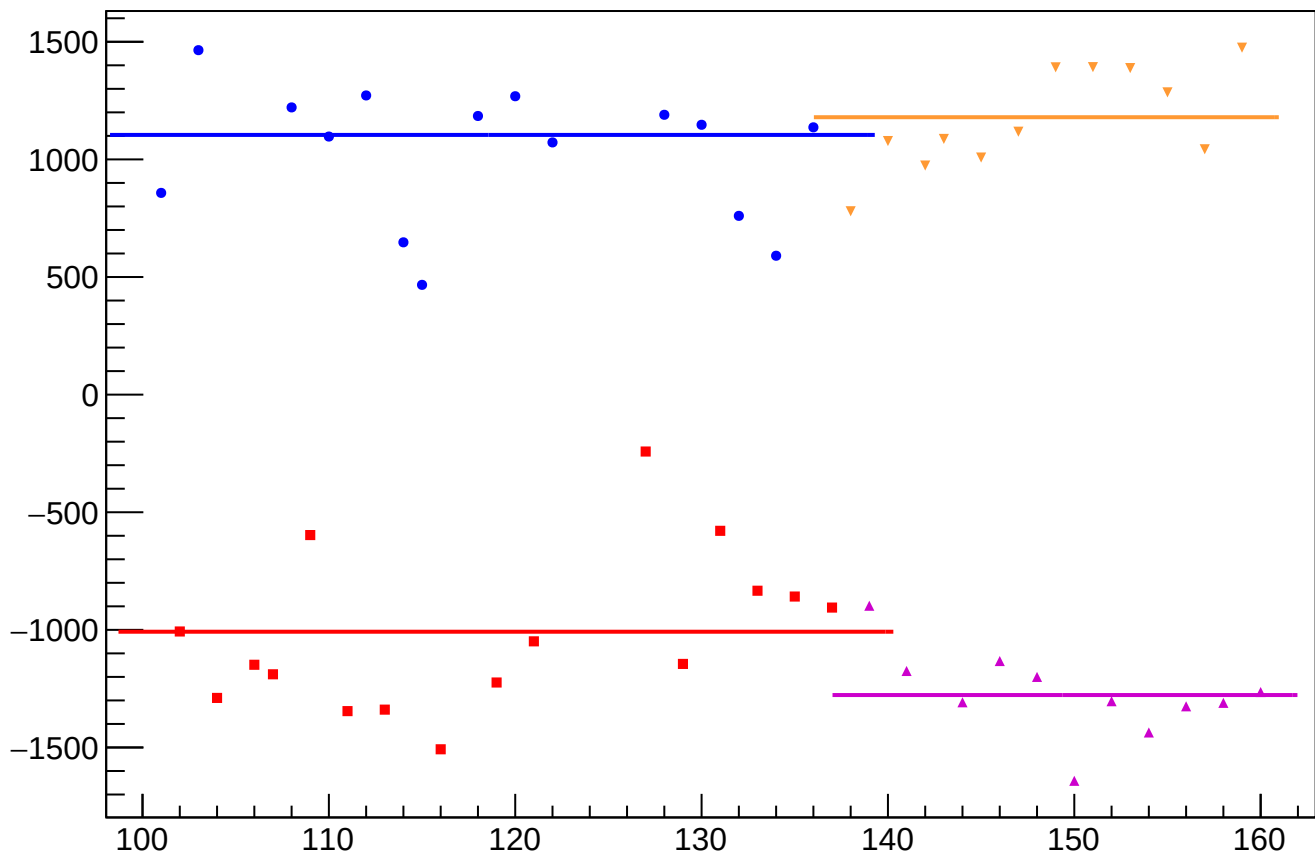
χ^2/NDF : 185814635772183306063903690063872.0/15

Left In: -0.383+/-0.000

χ^2/NDF : 2618375268437967875049691021312.0/10

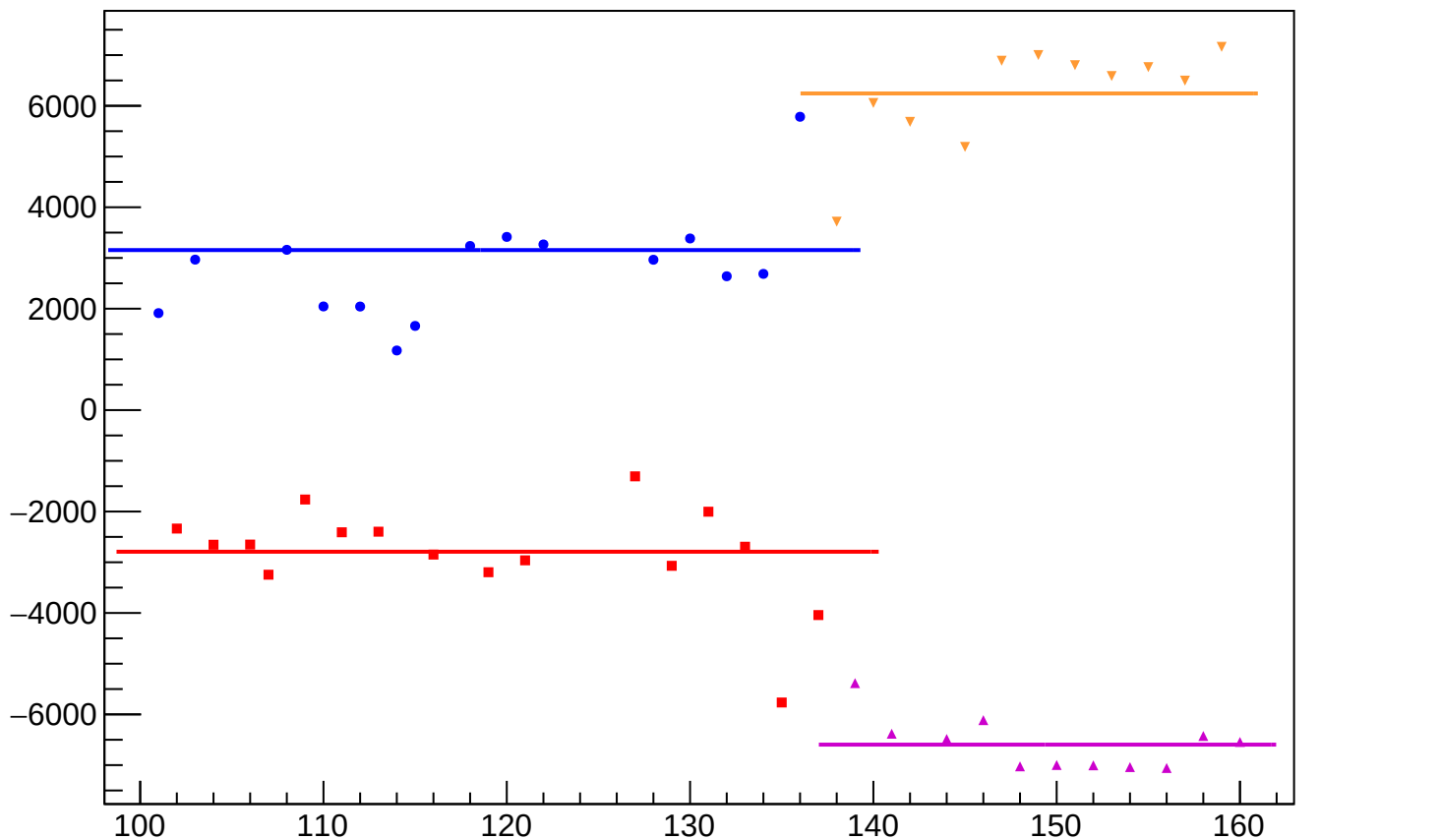
All: -0.002+/-0.000 χ^2/NDF : 1473239916142

dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected



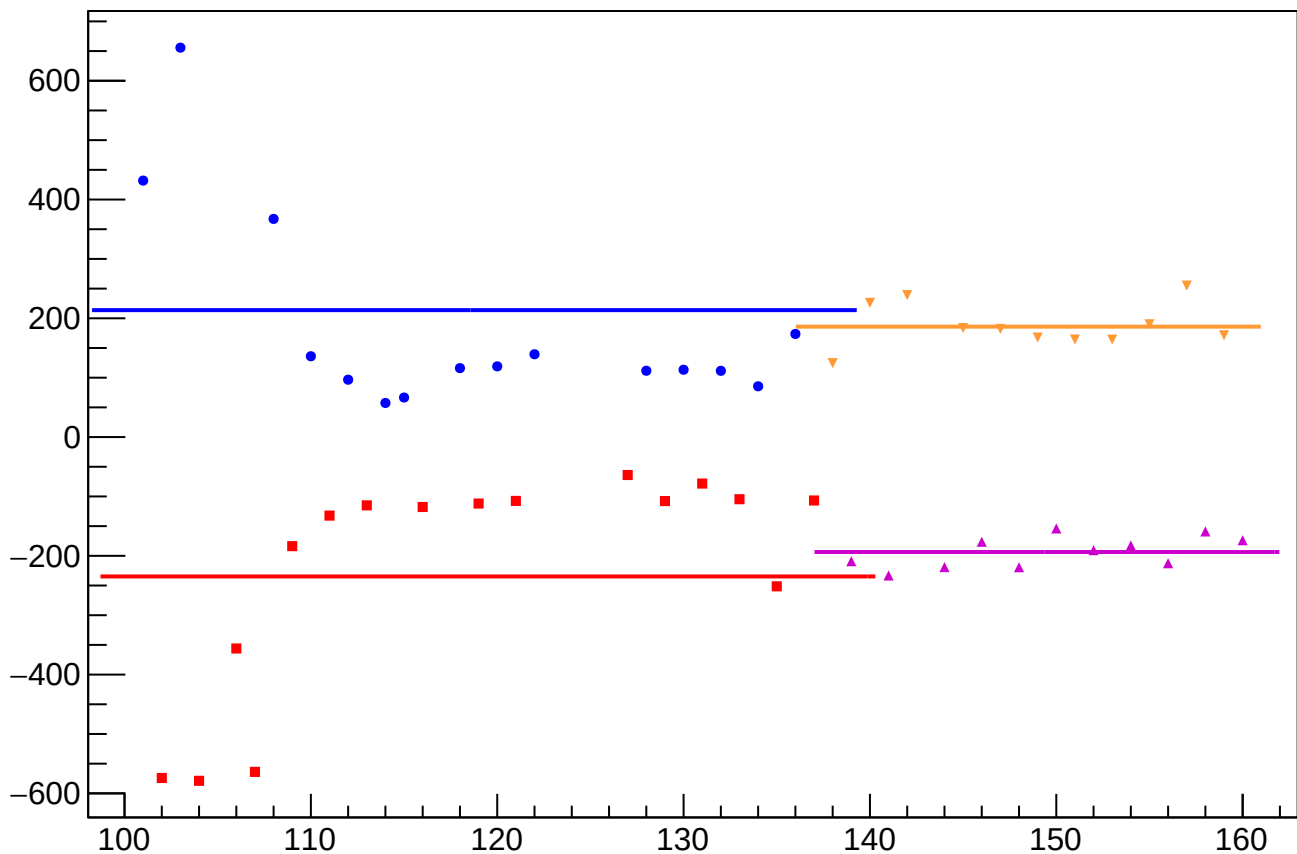
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_usl_coil3_mean vs Slug, Sign Corrected



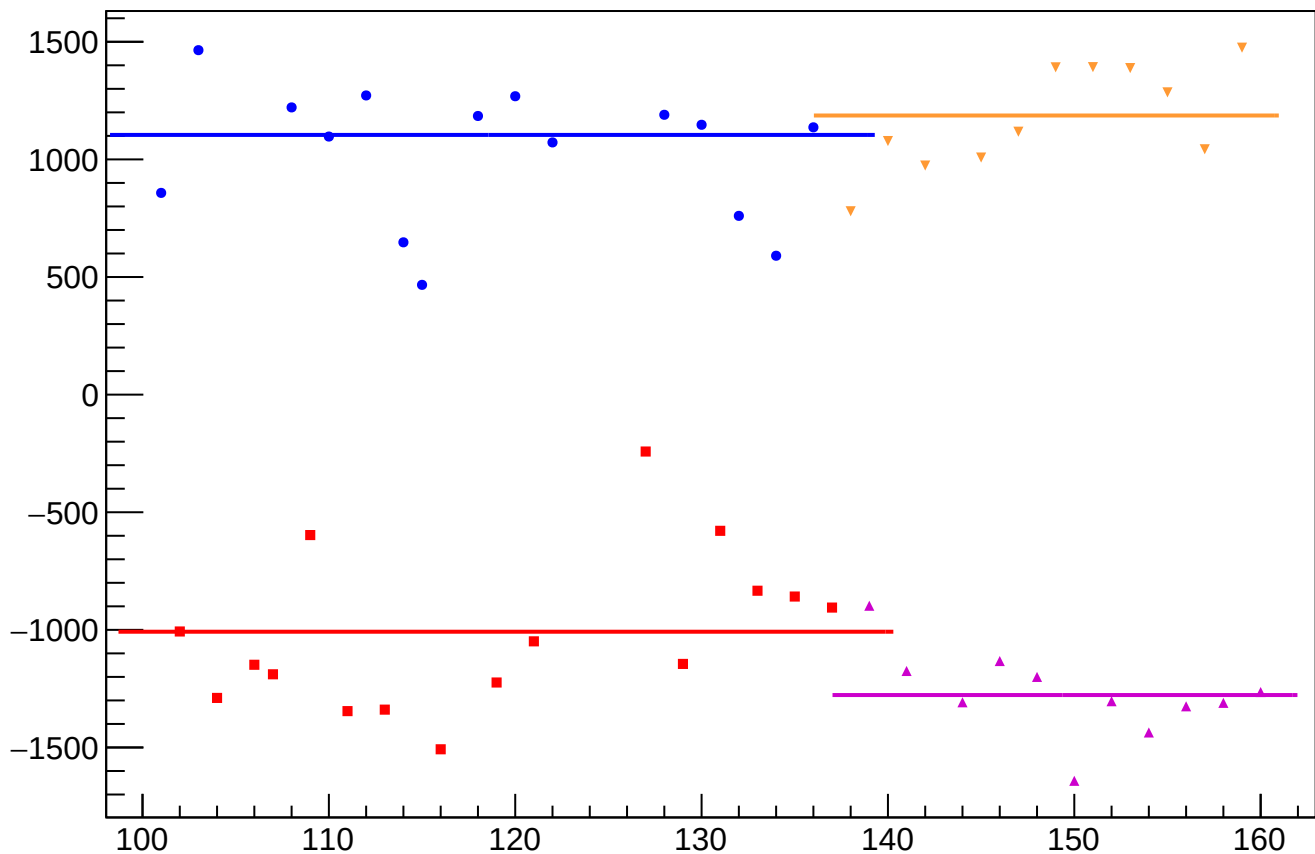
Right In: 3155.434 $\pm$ 0.000 χ^2 /NDF: 903550534773622902110918214033612996608.0/14
 Left Out: 6243.976 $\pm$ 0.000 χ^2 /NDF: 811230786168378302780139165688711348224.0/10
 Right Out: -2792.245 $\pm$ 0.000 χ^2 /NDF: 674635749324173001973264427530986717184.0/15
 Left In: -6595.861 $\pm$ 0.000 χ^2 /NDF: 225164805715400368671043826745864093696.0/10
 All: -200.997 $\pm$ 0.000 χ^2 /NDF: 87373315799

dit_usl_coil3_err_mean vs Slug, Sign Corrected



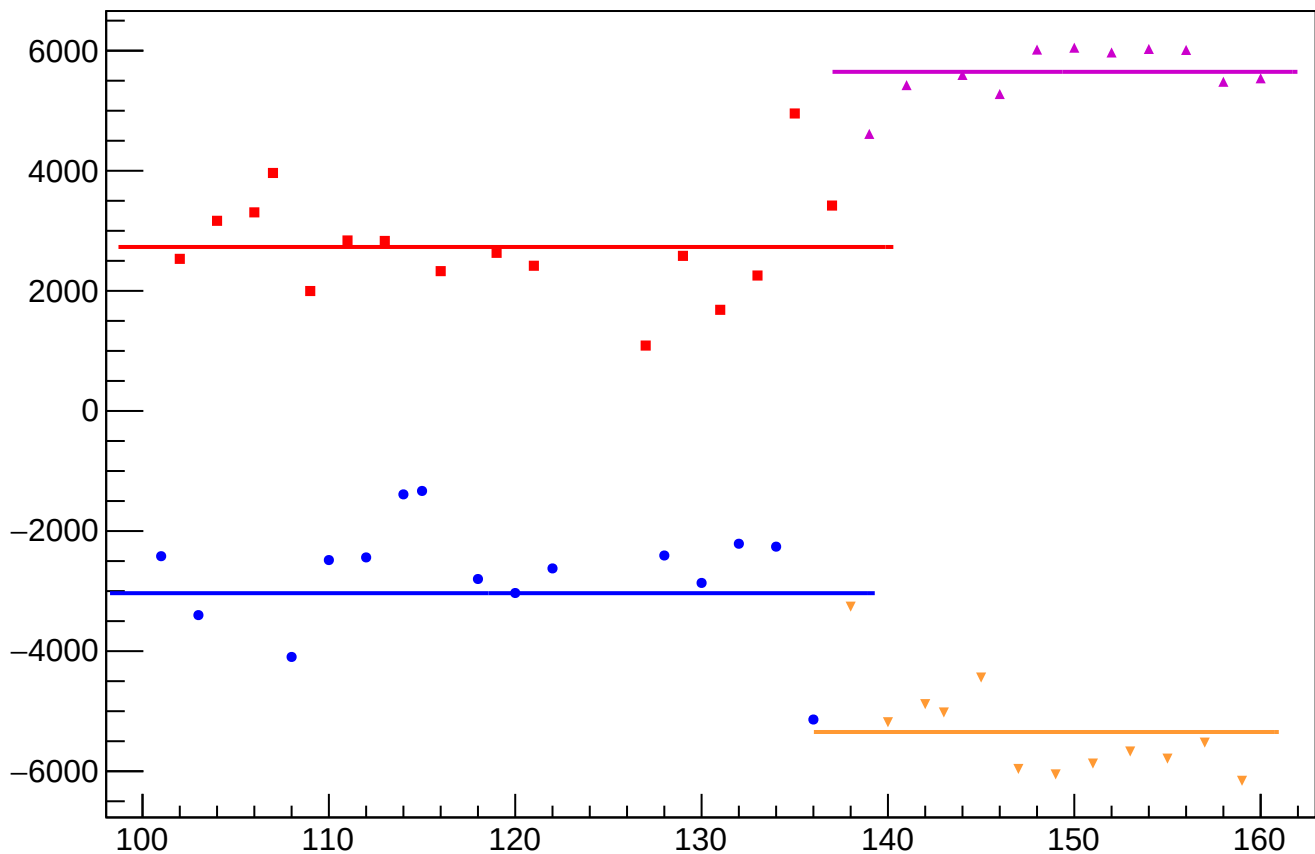
Left: -12.048 +/- 0.000 χ^2/NDF : 6529786806410777
 Right In: 213.739 +/- 0.000 χ^2/NDF : 19718138109054002114361149860507287552.0/14
 Right: -13.554 +/- 0.000 χ^2/NDF : 109883652295878
 Left Out: 185.948 +/- 0.000 χ^2/NDF : 1057706607595767583587974846640816128.0/10
 In: -25.504 +/- 0.000 χ^2/NDF : 83555095892474159
 Right Out: -234.712 +/- 0.000 χ^2/NDF : 24013134107167214895189050481067425792.0/15
 Out: 0.624 +/- 0.000 χ^2/NDF : 911015055676819525
 Left In: -193.543 +/- 0.000 χ^2/NDF : 598931150644293332680217057881489408.0/10
 All: -12.690 +/- 0.000 χ^2/NDF : 175183232937

dit_usl_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1186.635+/-0.000 χ^2/NDF : 38127290182419373090636614603236179968.0/10
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -42.327+/-0.000 χ^2/NDF : 433243619432

dit_usr_coil3_mean vs Slug, Sign Corrected



Right In: -3034.527+/-0.000

Left Out: -5346.287+/-0.000

Right Out: 2731.035+/-0.000

Left In: 5647.632+/-0.000

χ^2/NDF : 630694553353463868547335175090919702528.0/14

χ^2/NDF : 595830455774800553383002095782337708032.0/11

χ^2/NDF : 528290847703567991555694629239211950080.0/15

χ^2/NDF : 164214312908035645215126356935491715072.0/10

Left: 180.580+/-0.000 χ^2/NDF : 5629644567862069

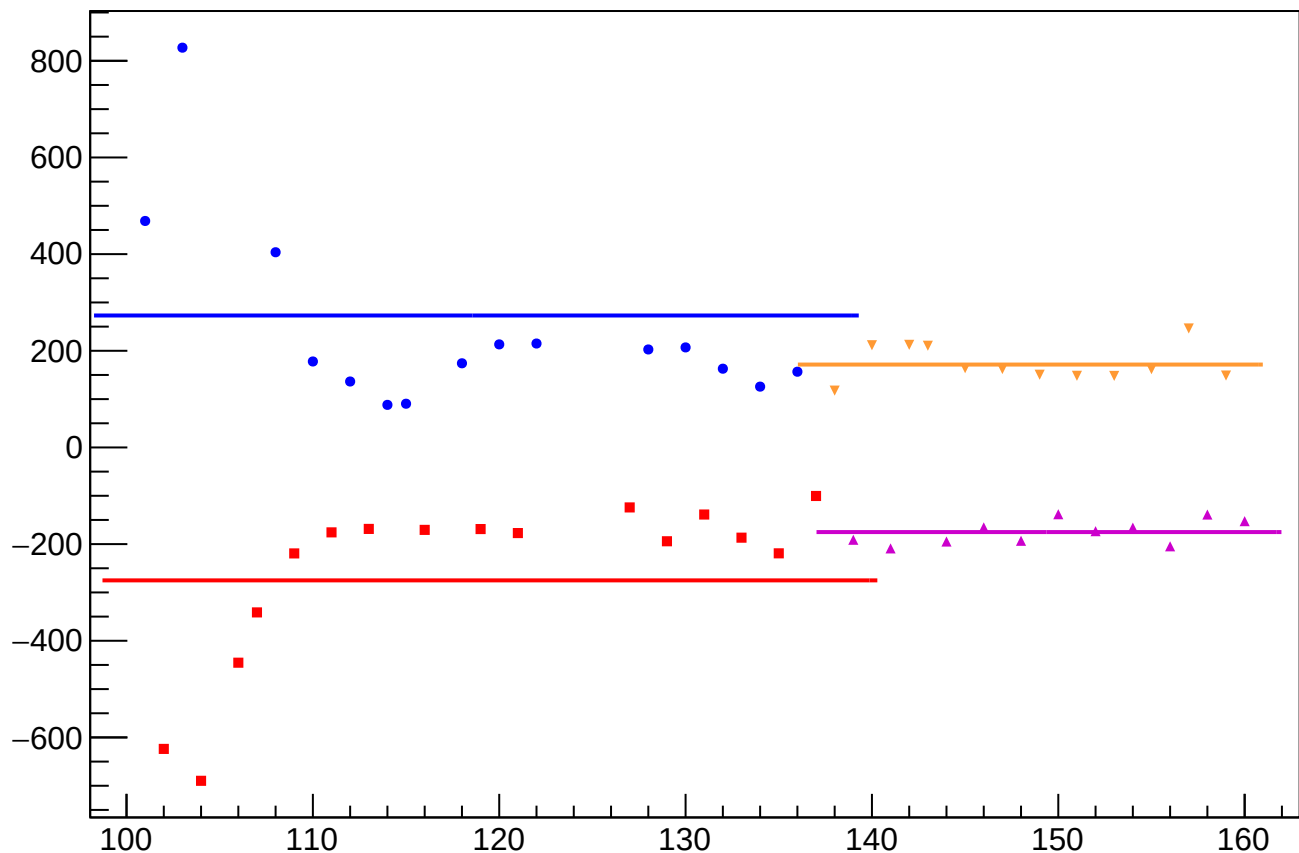
Right: -112.316+/-0.000 χ^2/NDF : 12093460154256

In: 2065.482+/-0.000 χ^2/NDF : 2953204271382502

Out: -1938.587+/-0.000 χ^2/NDF : 26282051967126

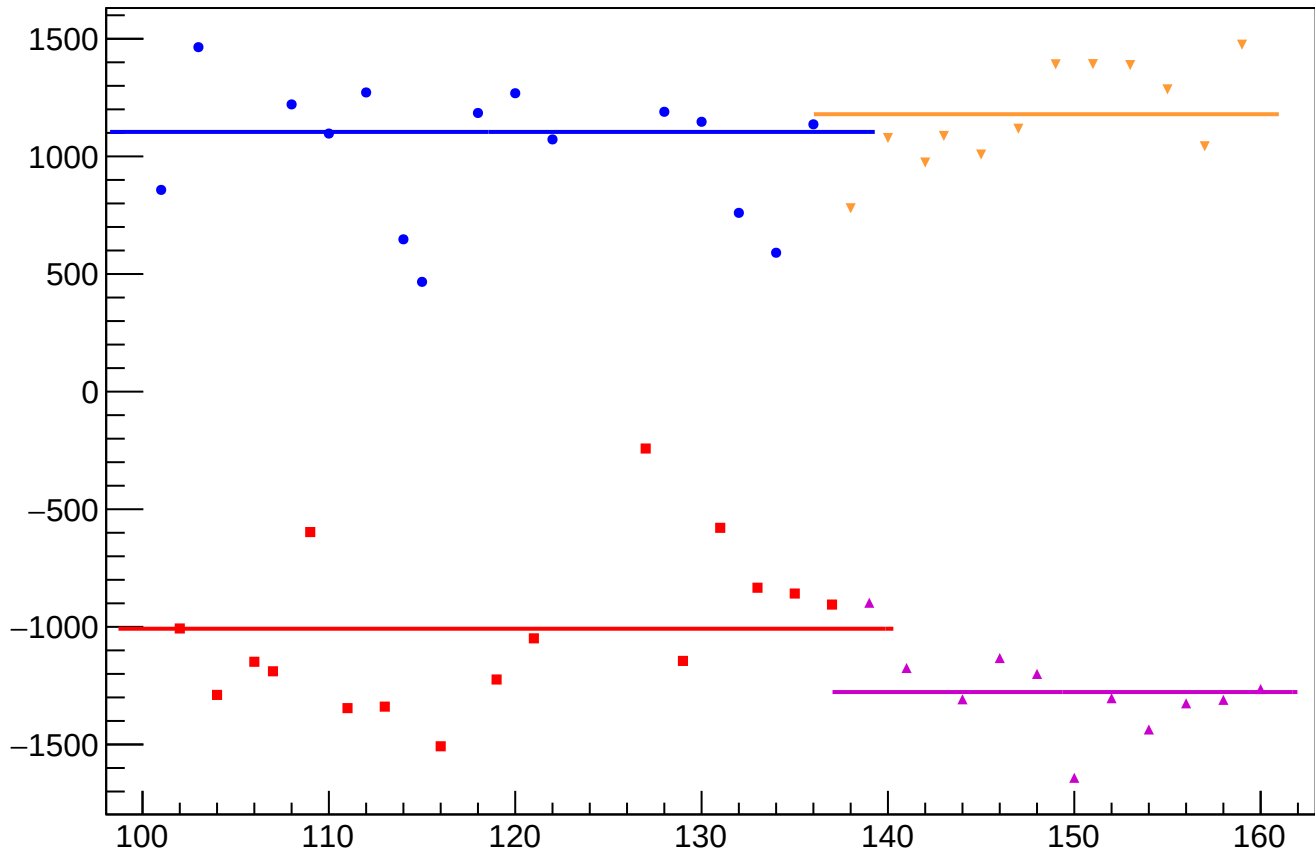
All: 58.370+/-0.000 χ^2/NDF : 6845569684778

dit_usr_coil3_err_mean vs Slug, Sign Corrected



Right In: 273.039 ± 0.000 $\chi^2/\text{NDF}: 26485935053341175092913795212184125440.0/14$
 Left Out: 171.517 ± 0.000 $\chi^2/\text{NDF}: 1162204446124418452265763444206075904.0/11$
 Right Out: -275.044 ± 0.000 $\chi^2/\text{NDF}: 22264760088752901792561892991657050112.0/15$
 Left In: -175.100 ± 0.000 $\chi^2/\text{NDF}: 532319905760316522814470909096624128.0/10$
 All: -3.576 ± 0.000 $\chi^2/\text{NDF}: 2044639421545$

dit_usr_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1179.336+/-0.000

χ^2/NDF : 38742916032610862911819544133355175936.0/11

Right Out: -1007.906+/-0.000

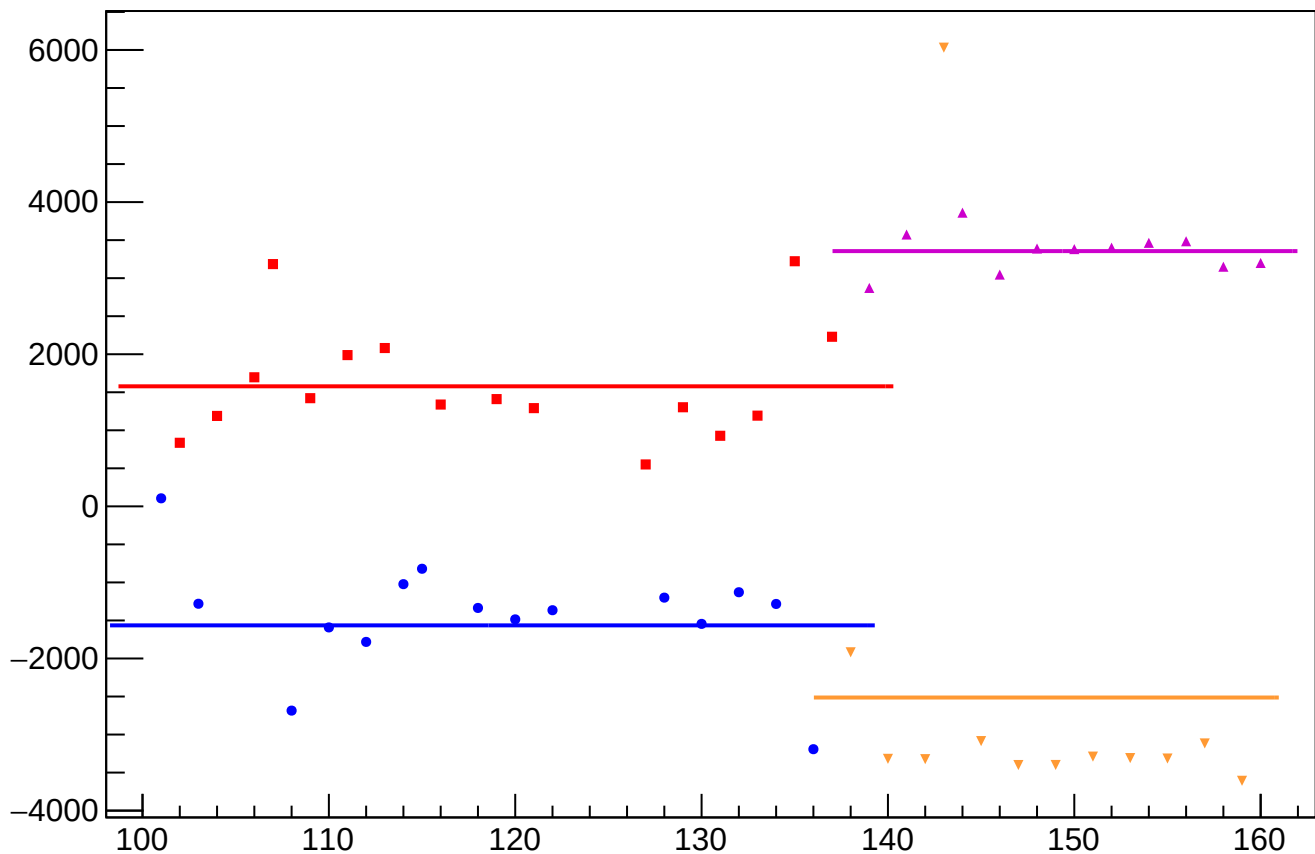
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_atl1_coil3_mean vs Slug, Sign Corrected



Right In: -1564.595+/-0.000

Left Out: -2513.182+/-0.000

Right Out: 1578.178+/-0.000

Left In: 3355.712+/-0.000

χ^2/NDF : 483874800978571042578975757029039144960.0/14

χ^2/NDF : 5431127813565364988673729418683400323072.0/11

χ^2/NDF : 368450572556217564071963203581098590208.0/15

χ^2/NDF : 61603128430044333980990125877093203968.0/10

Left: 437.231+/-0.000 χ^2/NDF : 2131924326486959

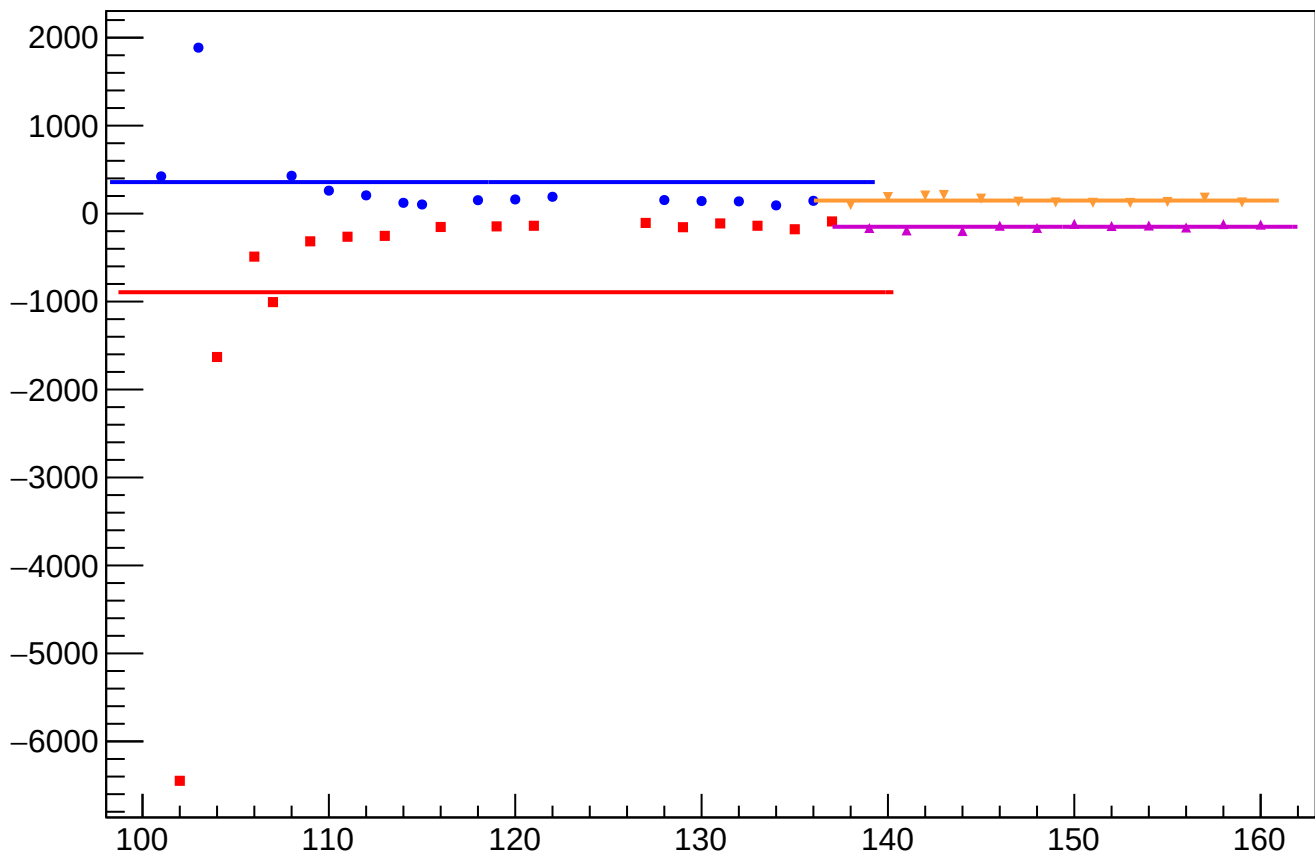
Right: 28.285+/-0.000 χ^2/NDF : 4101258280925694

In: 1325.655+/-0.000 χ^2/NDF : 9774855555761575

Out: -787.099+/-0.000 χ^2/NDF : 122542710245159

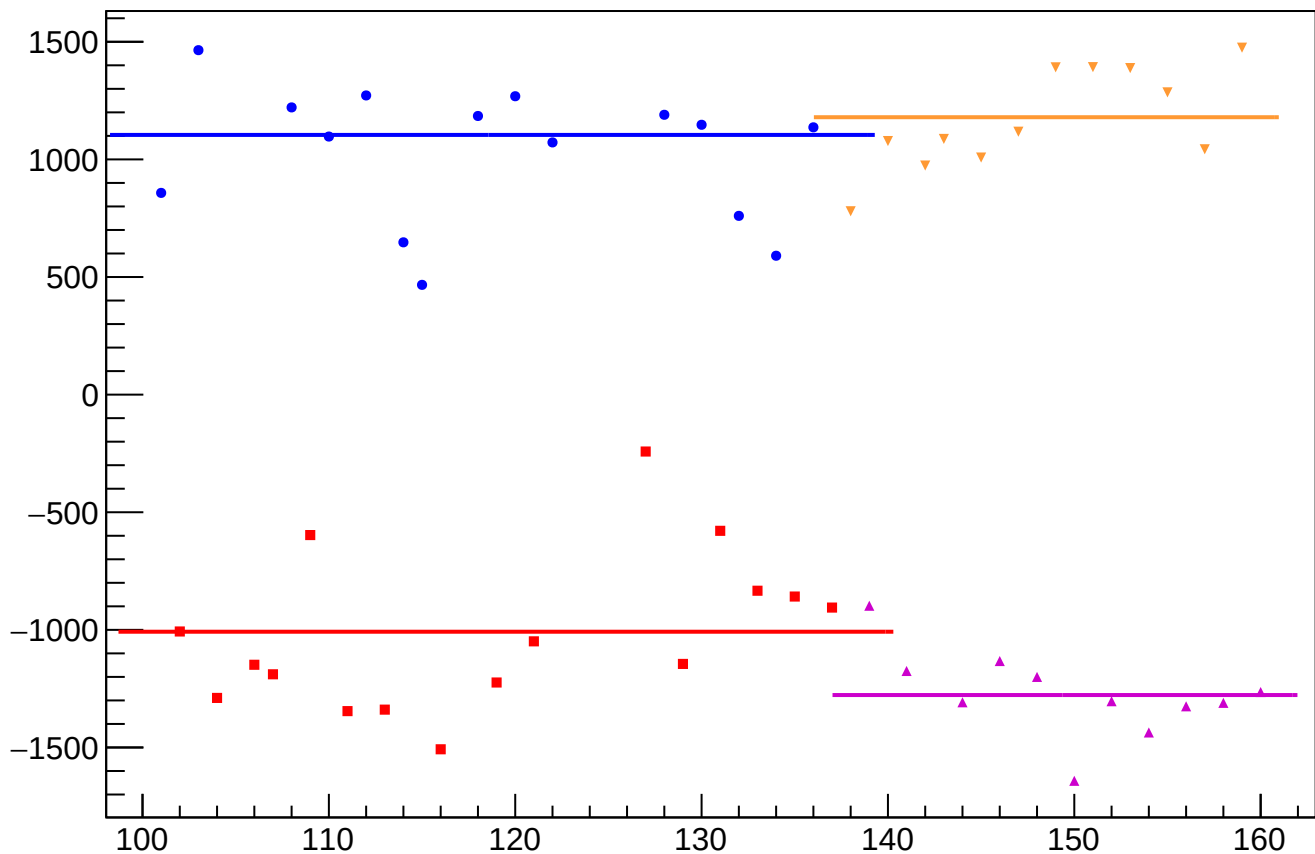
All: 266.599+/-0.000 χ^2/NDF : 255487557311

dit_atl1_coil3_err_mean vs Slug, Sign Corrected



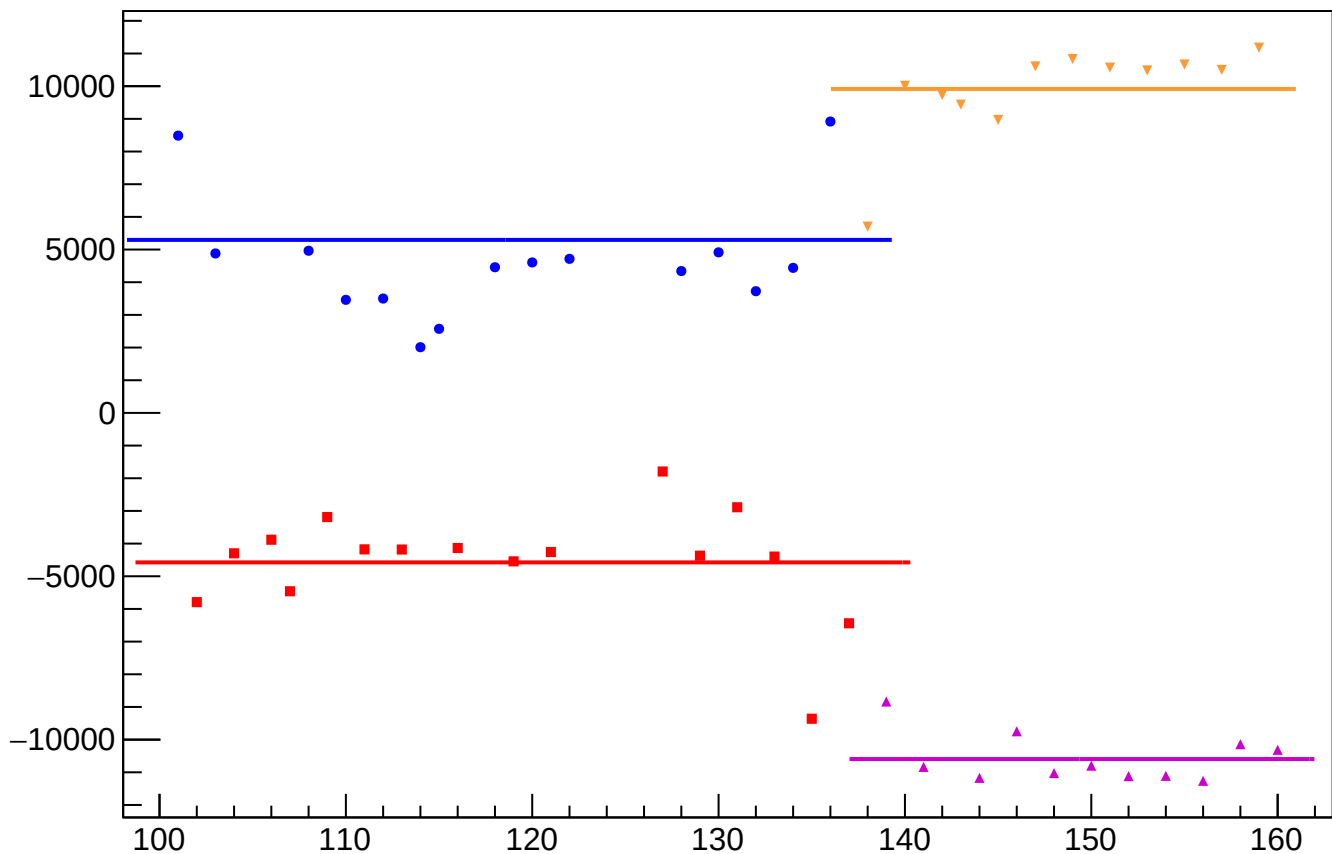
Right In: 358.080 ± 0.000 $\chi^2/\text{NDF}: 157922789145697858165644452090202816512.0/14$
 Left Out: 148.359 ± 0.000 $\chi^2/\text{NDF}: 1090286331733366082581256970807803904.0/11$
 Right Out: -893.897 ± 0.000 $\chi^2/\text{NDF}: 2075920155774201043572695656797803905024.0/15$
 Left In: -149.829 ± 0.000 $\chi^2/\text{NDF}: 645756718172892804384604635004928000.0/10$
 All: -116.258 ± 0.000 $\chi^2/\text{NDF}: 28499930865$

dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected



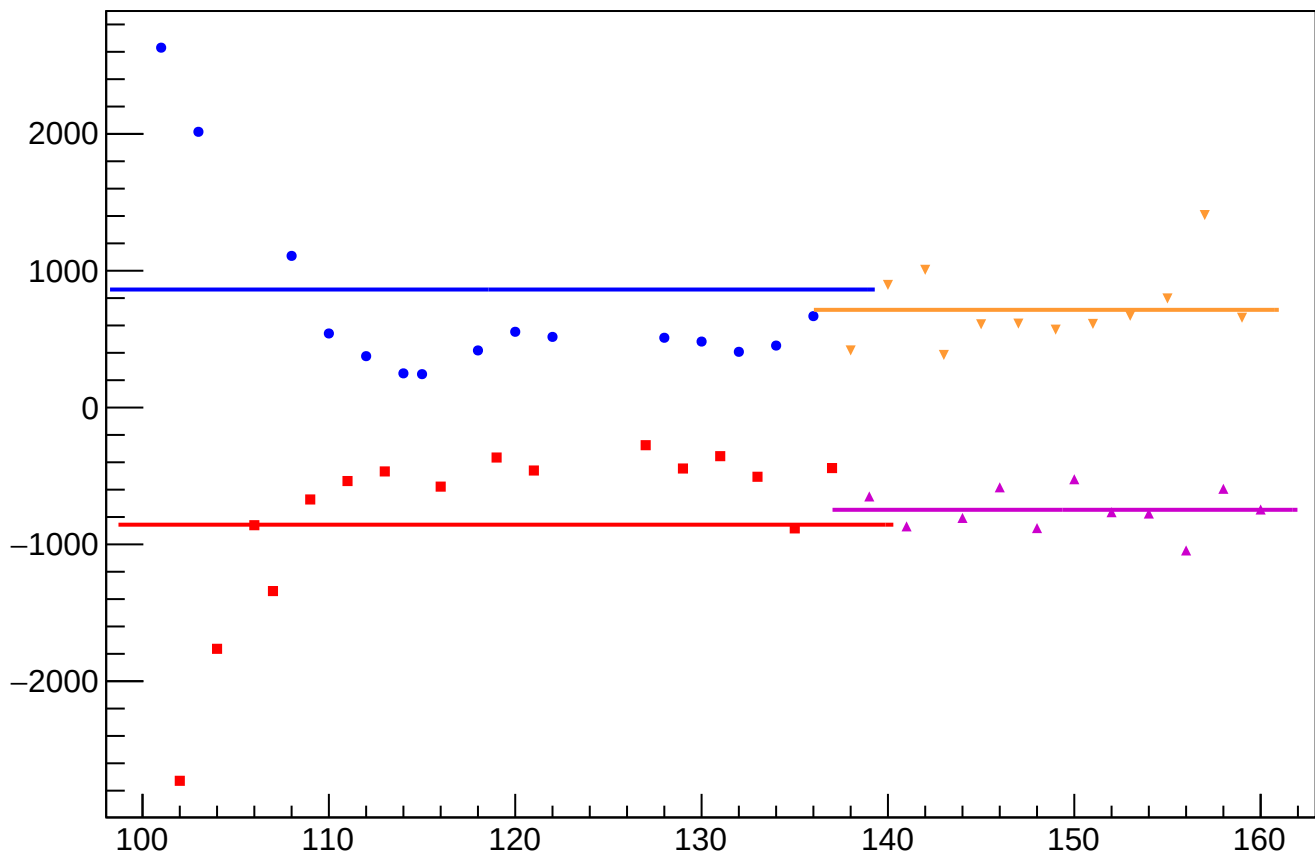
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_atl2_coil3_mean vs Slug, Sign Corrected



Right In: 5295.485+/-0.000 χ^2/NDF : 2505645232968263275444048016093183213568.0/14
 Left Out: 9916.420+/-0.000 χ^2/NDF : 1840714392757174837254481771479116546048.0/11
 Right Out: -4575.270+/-0.000 χ^2/NDF : 1863322094770403739096100800072716910592.0/15
 Left In: -10594.095+/-0.000 χ^2/NDF : 469955671378487676963254464485150162944.0/10
 All: -107.886+/-0.000 χ^2/NDF : 23238819396

dit_atl2_coil3_err_mean vs Slug, Sign Corrected



Right In: 862.683+/-0.000

χ^2/NDF : 337684000863819315026459106525759668224.0/14

Left Out: 714.221+/-0.000

χ^2/NDF : 63936823657083124140922251637065515008.0/11

Right Out: -856.059+/-0.000

χ^2/NDF : 327195216546444767148716224688288694272.0/15

Left In: -747.275+/-0.000

χ^2/NDF : 19678847395727730098310642242030665728.0/10

Left: -20.503+/-0.000 χ^2/NDF : 1065064961511877

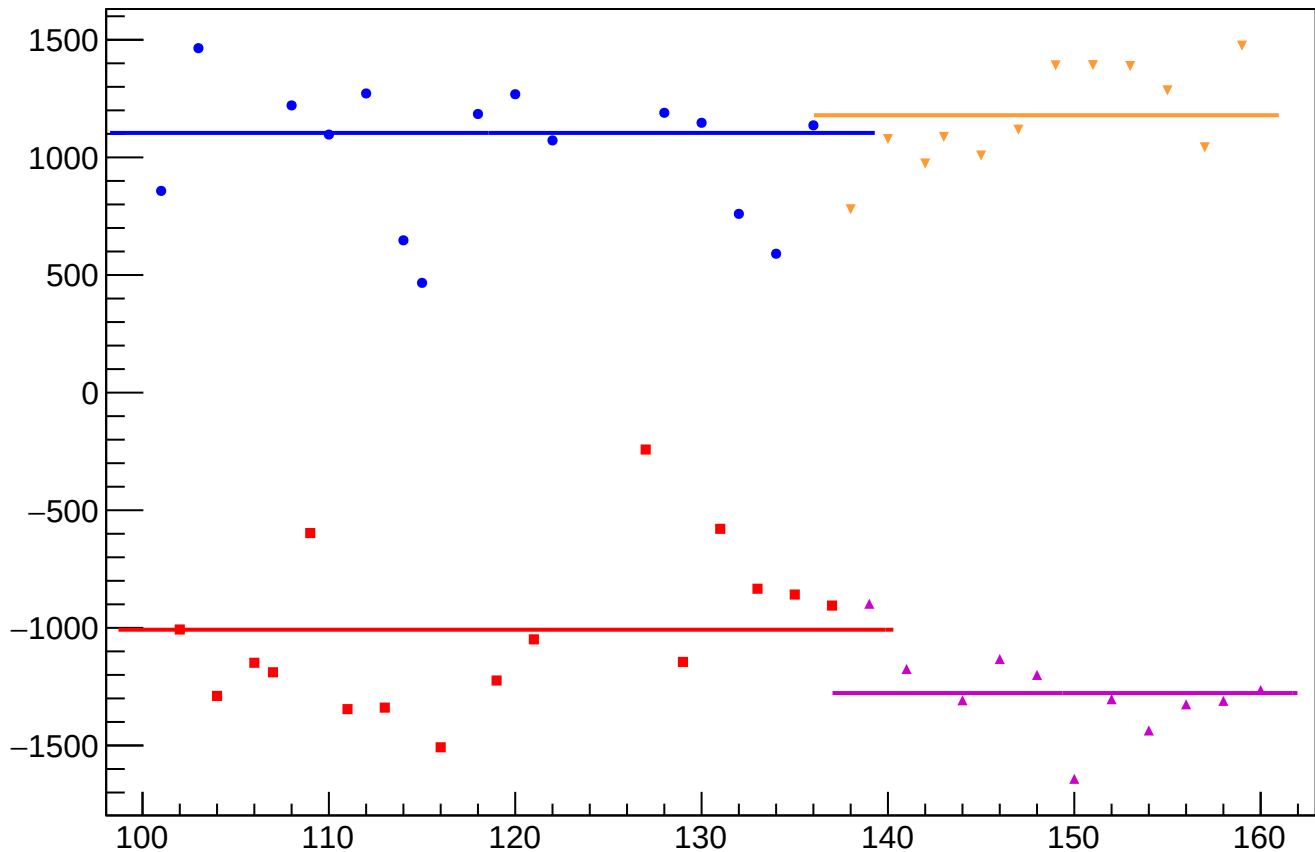
Right: -8.442+/-0.000 χ^2/NDF : 1636587396882894

In: -83.027+/-0.000 χ^2/NDF : 13454995318402178

Out: 51.744+/-0.000 χ^2/NDF : 13419429235658595

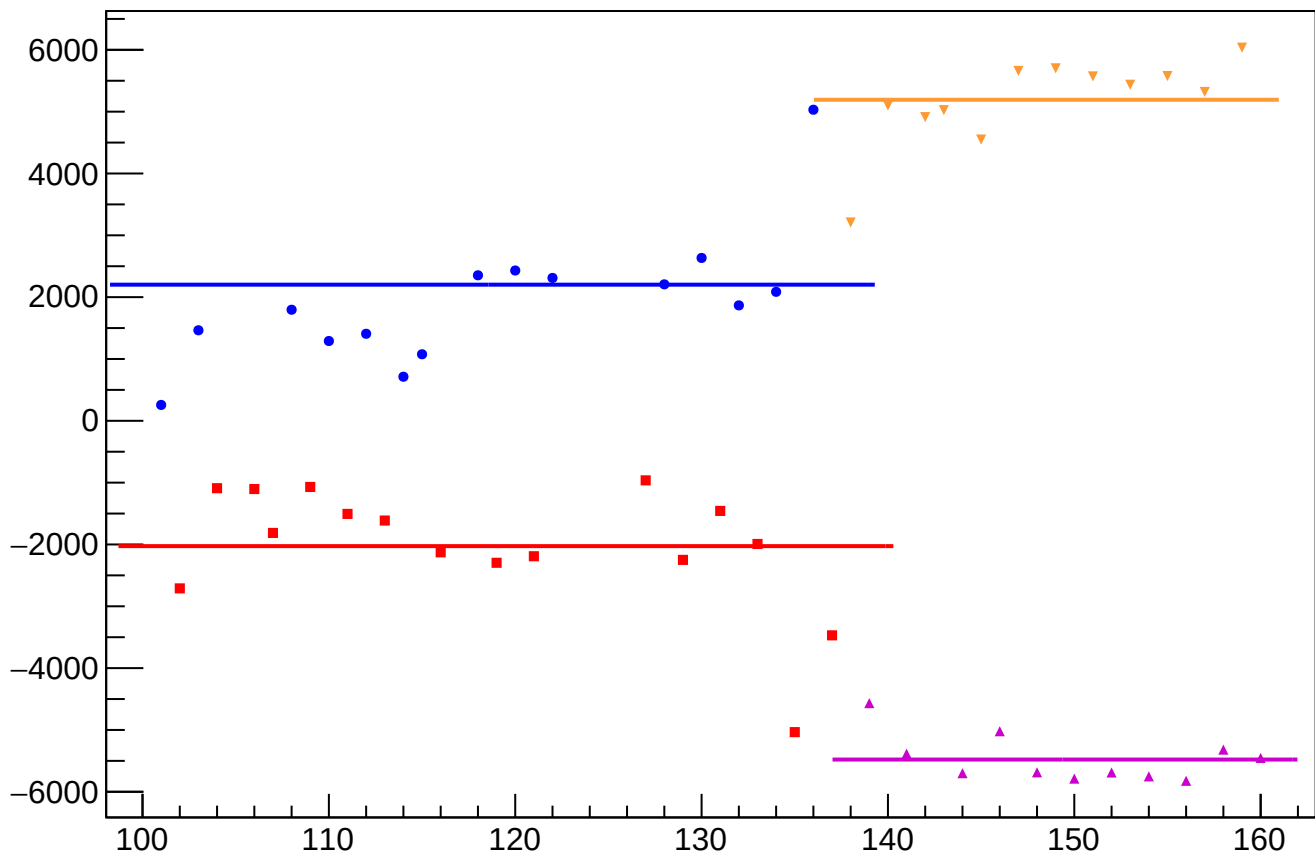
All: -15.471+/-0.000 χ^2/NDF : 270176391125

dit_atl2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_atr1_coil3_mean vs Slug, Sign Corrected



Right In: 2201.844+/-0.000

χ^2/NDF : 1086544775216266395419904724422998622208.0/14

Left Out: 5192.476+/-0.000

χ^2/NDF : 470317118435532937200148346508624789504.0/11

Right Out: -2026.969+/-0.000

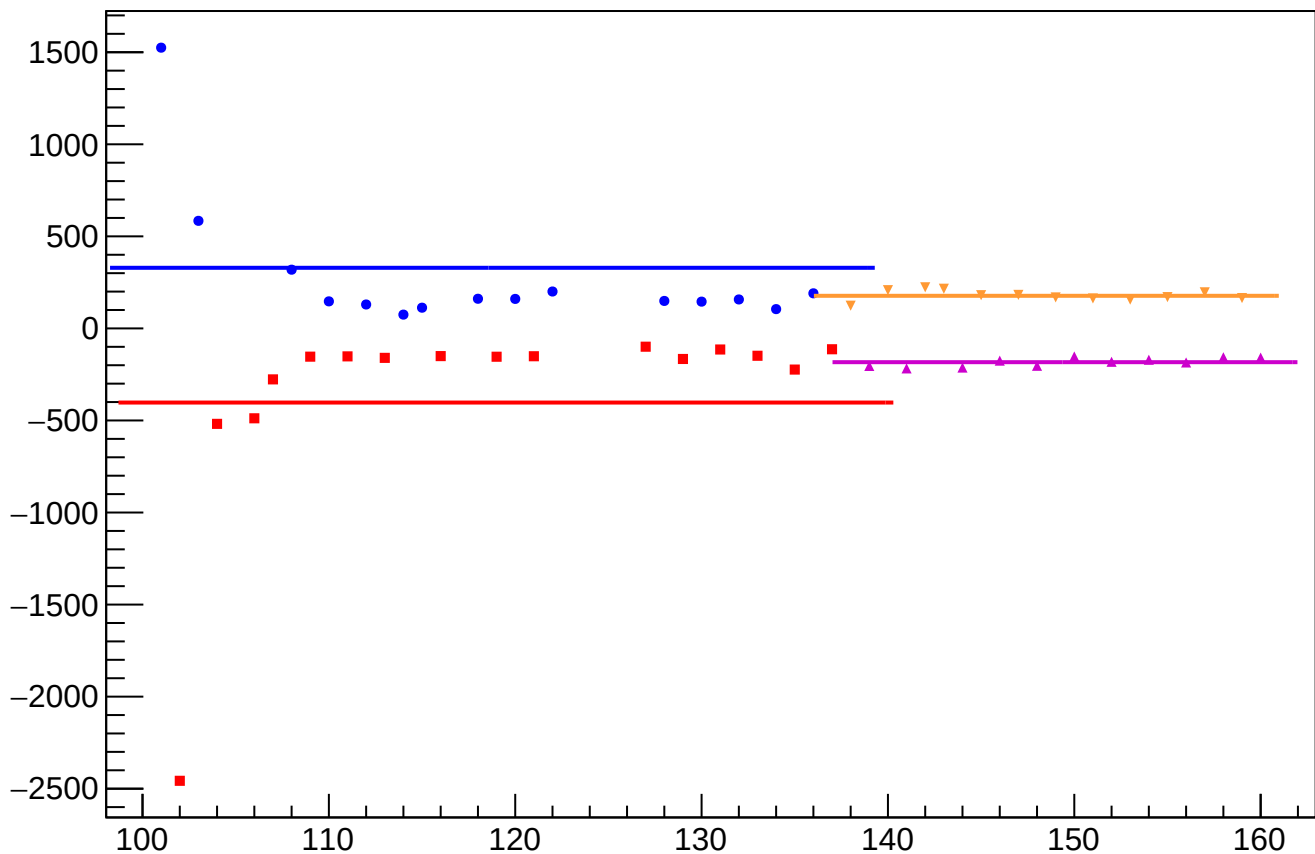
χ^2/NDF : 708626456603410705124518299956645199872.0/15

Left In: -5478.713+/-0.000

χ^2/NDF : 124186054771424011873849346802583601152.0/10

Left: -172.148+/-0.000 χ^2/NDF : 529181779614152
 Right: 58.517+/-0.000 χ^2/NDF : 7677530711207331
 In: -2309.812+/-0.000 χ^2/NDF : 236998936360445
 Out: 2146.701+/-0.000 χ^2/NDF : 212767096674295
 All: -75.903+/-0.000 χ^2/NDF : 606365125250

dit_atr1_coil3_err_mean vs Slug, Sign Corrected



Right In: 329.229+/-0.000

χ^2/NDF : 103285029091922742033837903437132464128.0/14

Left Out: 177.101+/-0.000

χ^2/NDF : 604256347376555065664943941601984512.0/11

Right Out: -402.690+/-0.000

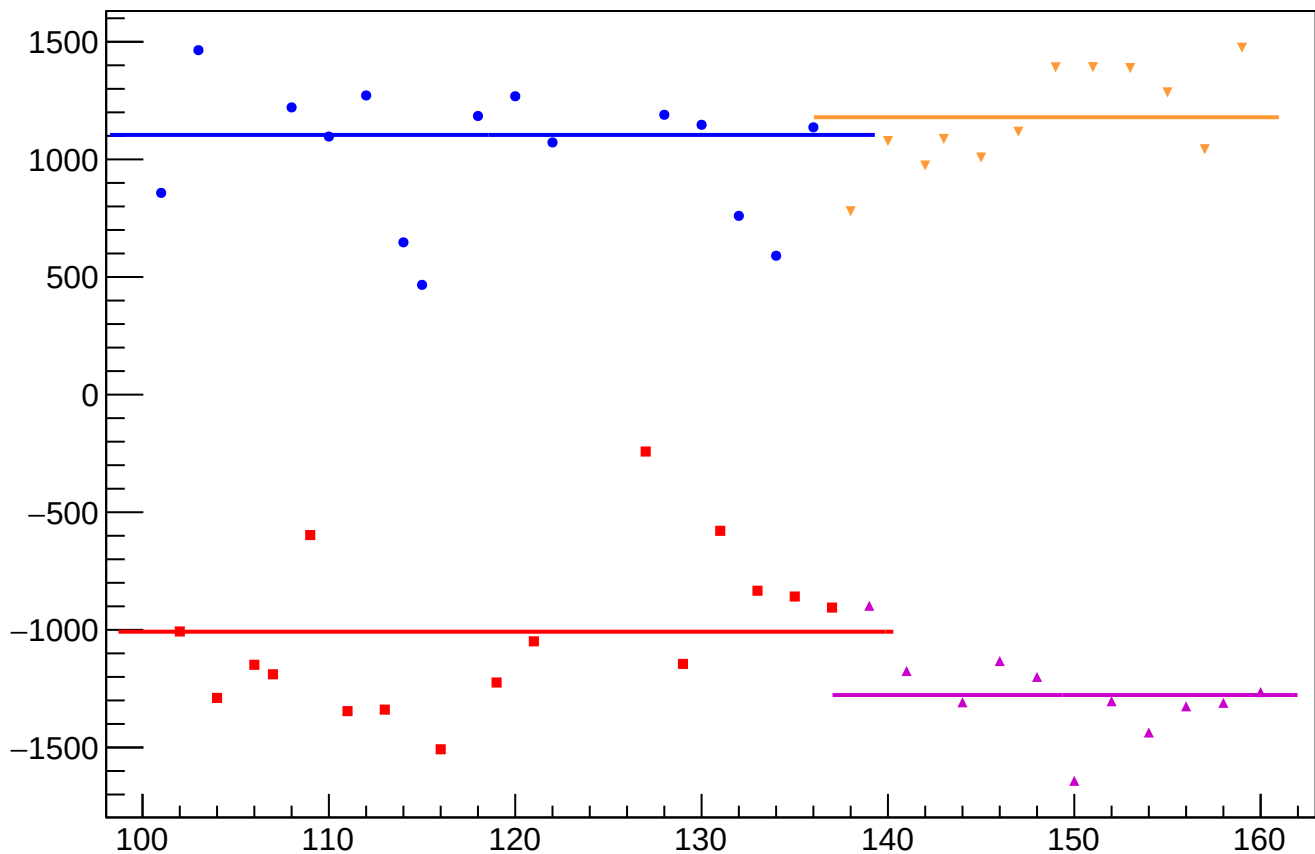
χ^2/NDF : 277636056793293374242116053515003494400.0/15

Left In: -183.411+/-0.000

χ^2/NDF : 452789814018275751637875535657304064.0/10

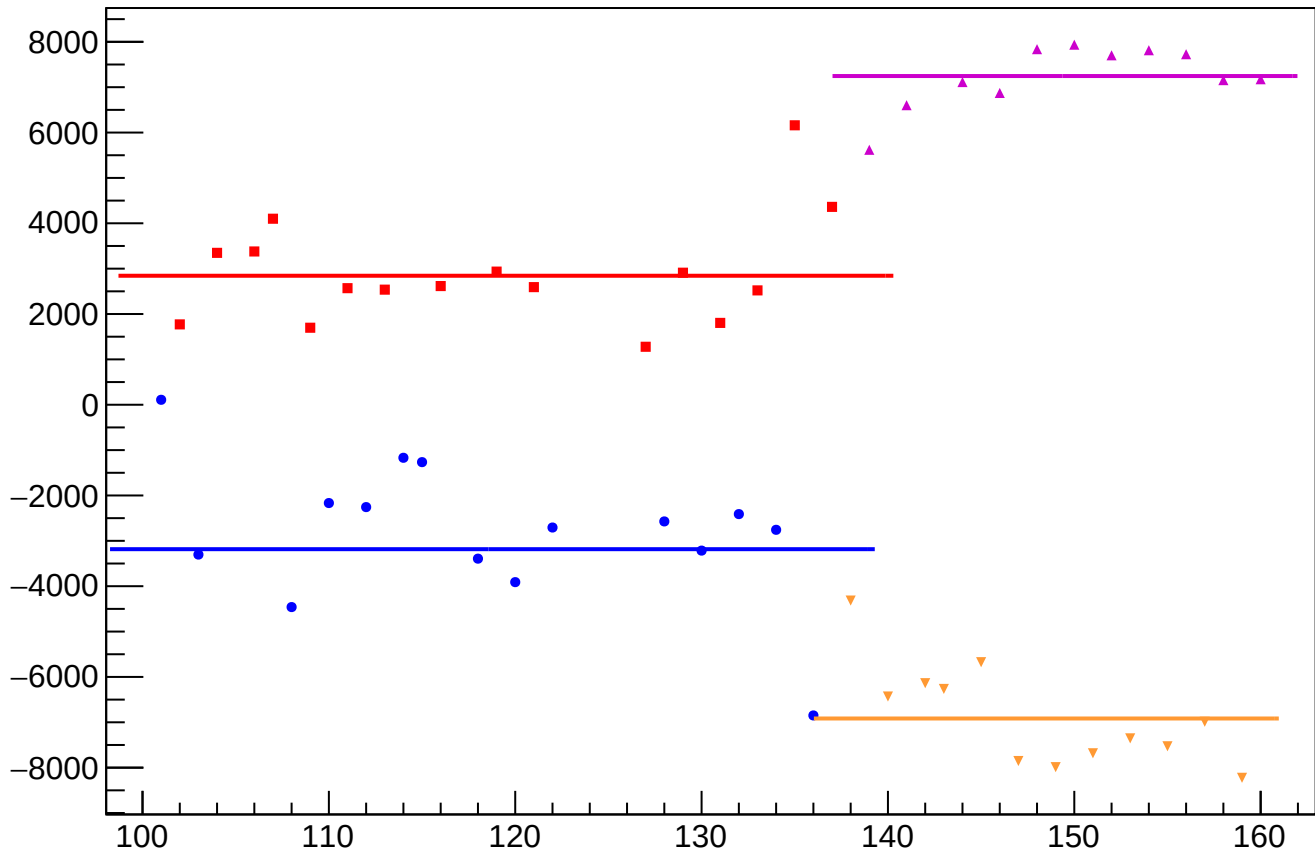
All: -19.824+/-0.000 χ^2/NDF : 618995356861

dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 ± 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 ± 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 ± 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 ± 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 ± 0.000 χ^2/NDF : 441608022845

dit_atr2_coil3_mean vs Slug, Sign Corrected



Right In: -3183.928+/-0.000

Left Out: -6916.269+/-0.000

Right Out: 2843.597+/-0.000

Left In: 7245.920+/-0.000

χ^2/NDF : 2134923281384422537296044119642733543424.0/14

χ^2/NDF : 1116807093678978049721043579861444067328.0/11

χ^2/NDF : 947077611563723244705531091944015396864.0/15

χ^2/NDF : 401760462783969098772010925007315140608.0/10

Left: 203.352+/-0.000 χ^2/NDF : 9367664182142015

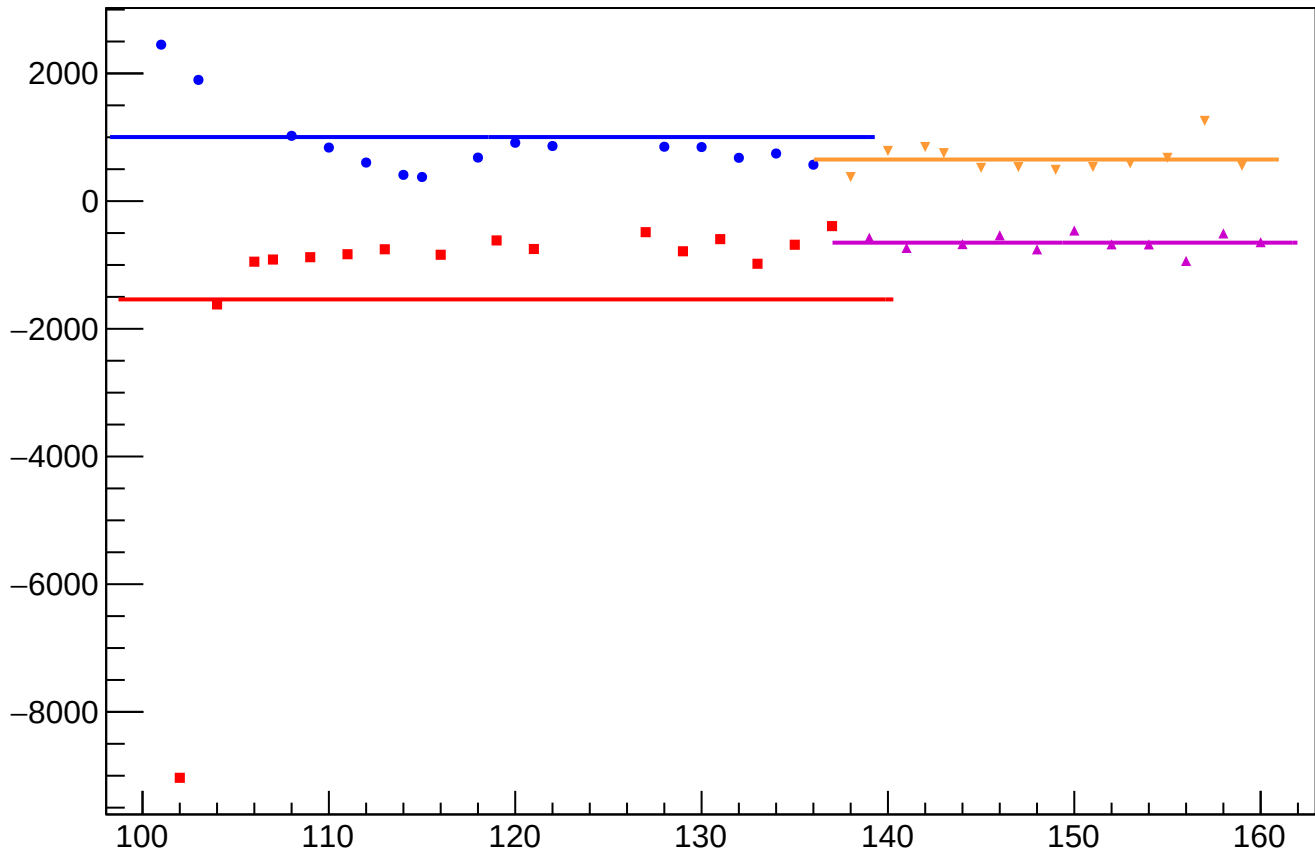
Right: -128.944+/-0.000 χ^2/NDF : 15032681342441

In: 2942.696+/-0.000 χ^2/NDF : 440076230139336

Out: -2798.729+/-0.000 χ^2/NDF : 38794467171221

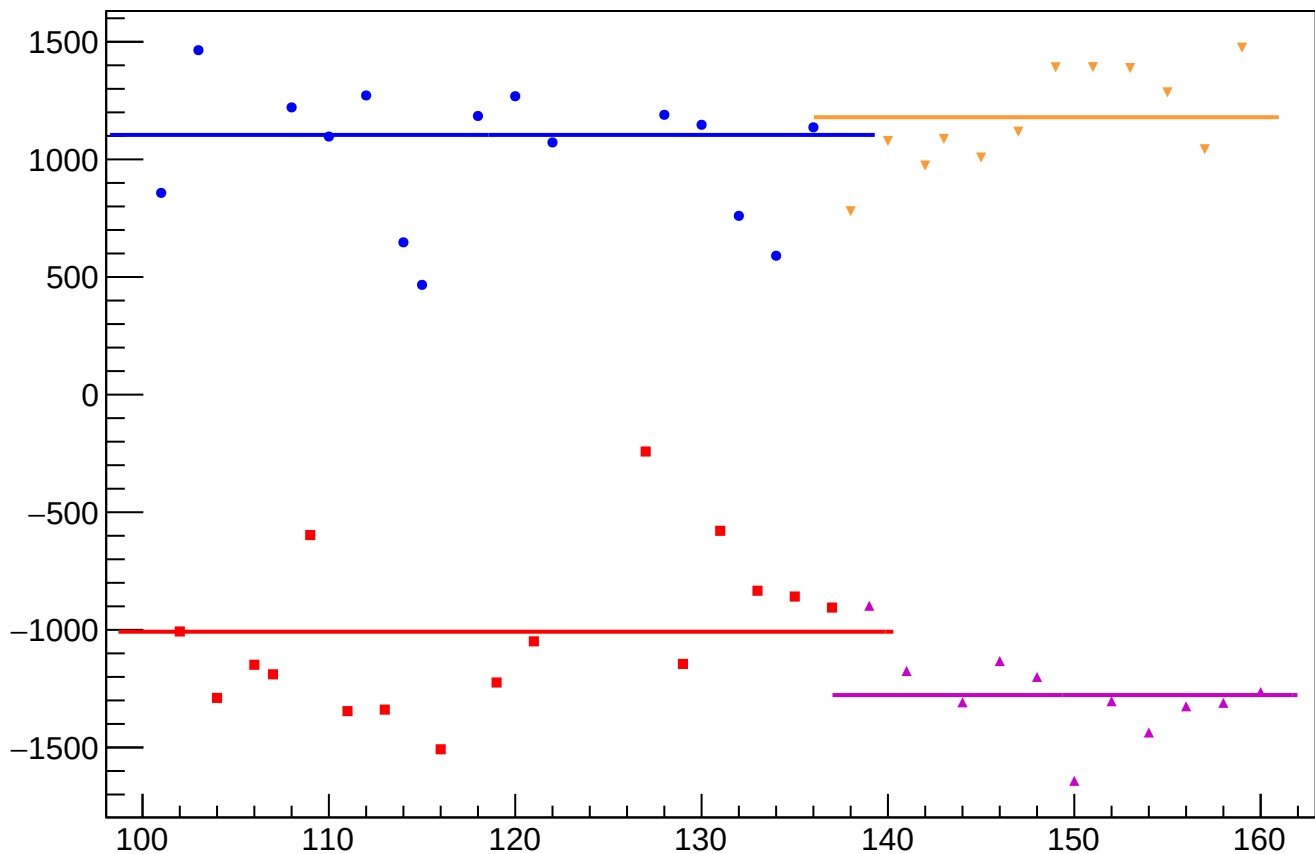
All: 64.702+/-0.000 χ^2/NDF : 1087940046919

dit_atr2_coil3_err_mean vs Slug, Sign Corrected



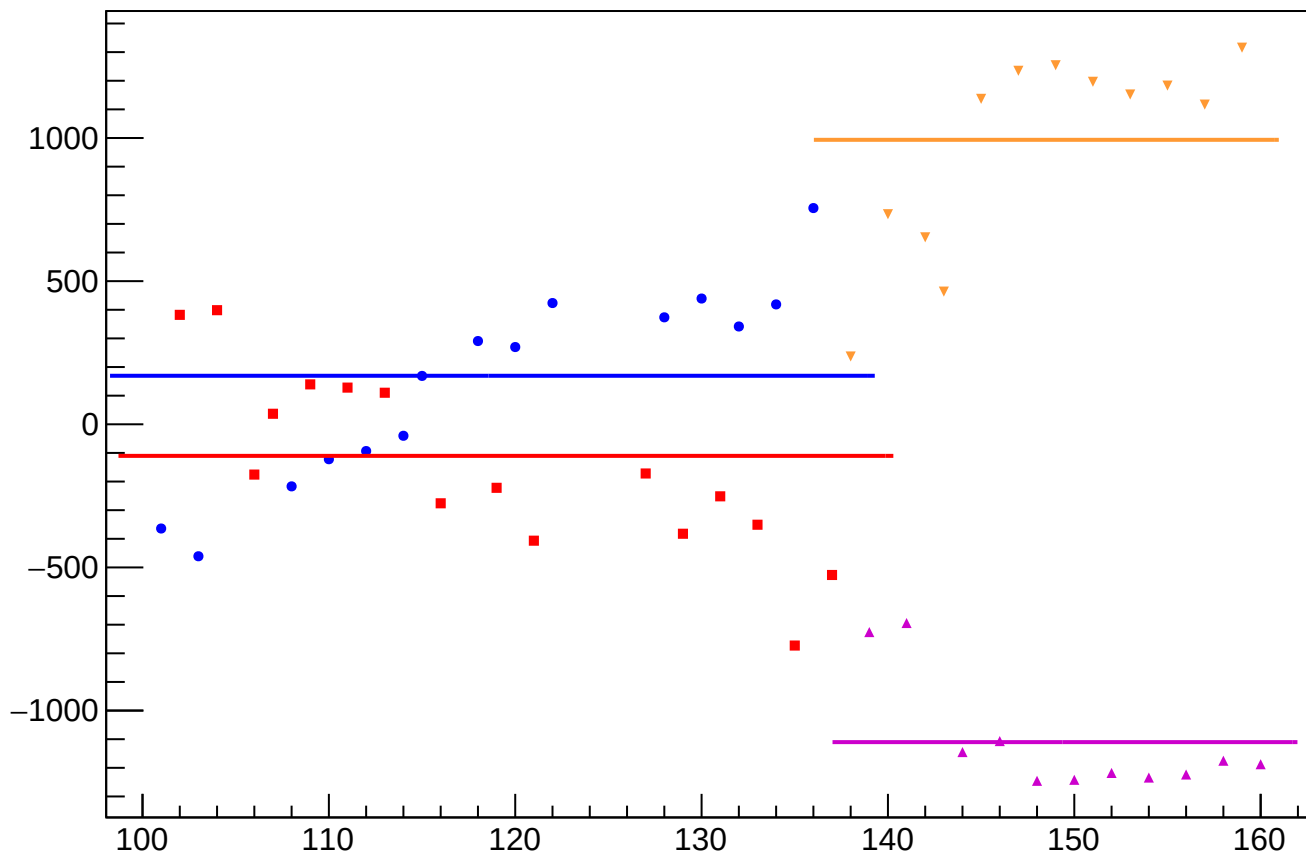
Left: -3.137 ± 0.000 $\chi^2/\text{NDF}: 83969979485831992$
 Right In: 1003.407 ± 0.000 $\chi^2/\text{NDF}: 219815257294811198811064619822196195328.0/14$
 Right: -285.472 ± 0.000 $\chi^2/\text{NDF}: 59617429830759$
 Left Out: 651.582 ± 0.000 $\chi^2/\text{NDF}: 45579416700188389340899783793497341952.0/11$
 In: 31.723 ± 0.000 $\chi^2/\text{NDF}: 127775317532397342$
 Right Out: -1539.568 ± 0.000 $\chi^2/\text{NDF}: 3614774785297482293145354574125437288448.0/15$
 Out: -272.831 ± 0.000 $\chi^2/\text{NDF}: 551168647234999$
 Left In: -650.769 ± 0.000 $\chi^2/\text{NDF}: 14776465774858799846922535858394365952.0/10$
 All: -120.940 ± 0.000 $\chi^2/\text{NDF}: 68625749232$

dit_atr2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000	χ^2/NDF : 32737841591587454251521906421545304064.0/14	Left: -55.563+/-0.000	χ^2/NDF : 2840892210996509
Left Out: 1179.336+/-0.000	χ^2/NDF : 38742916032610862911819544133355175936.0/11	Right: 33.659+/-0.000	χ^2/NDF : 1569083056347410
Right Out: -1007.906+/-0.000	χ^2/NDF : 69077878009873965622695939627477368832.0/15	In: -294.641+/-0.000	χ^2/NDF : 2223953426306853
Left In: -1277.097+/-0.000	χ^2/NDF : 29578729901602647998073818936097374208.0/10	Out: 256.572+/-0.000	χ^2/NDF : 1952554182211910
	All: -18.335+/-0.000	χ^2/NDF : 441608022845	

dit_sam1_coil3_mean vs Slug, Sign Corrected



Right In: 169.489 +/- 0.000

χ^2/NDF : 95435894585210891032426613567490359296.0/14

Left Out: 993.680 +/- 0.000

χ^2/NDF : 103871744093271862136270527542037839872.0/11

Right Out: -110.289 +/- 0.000

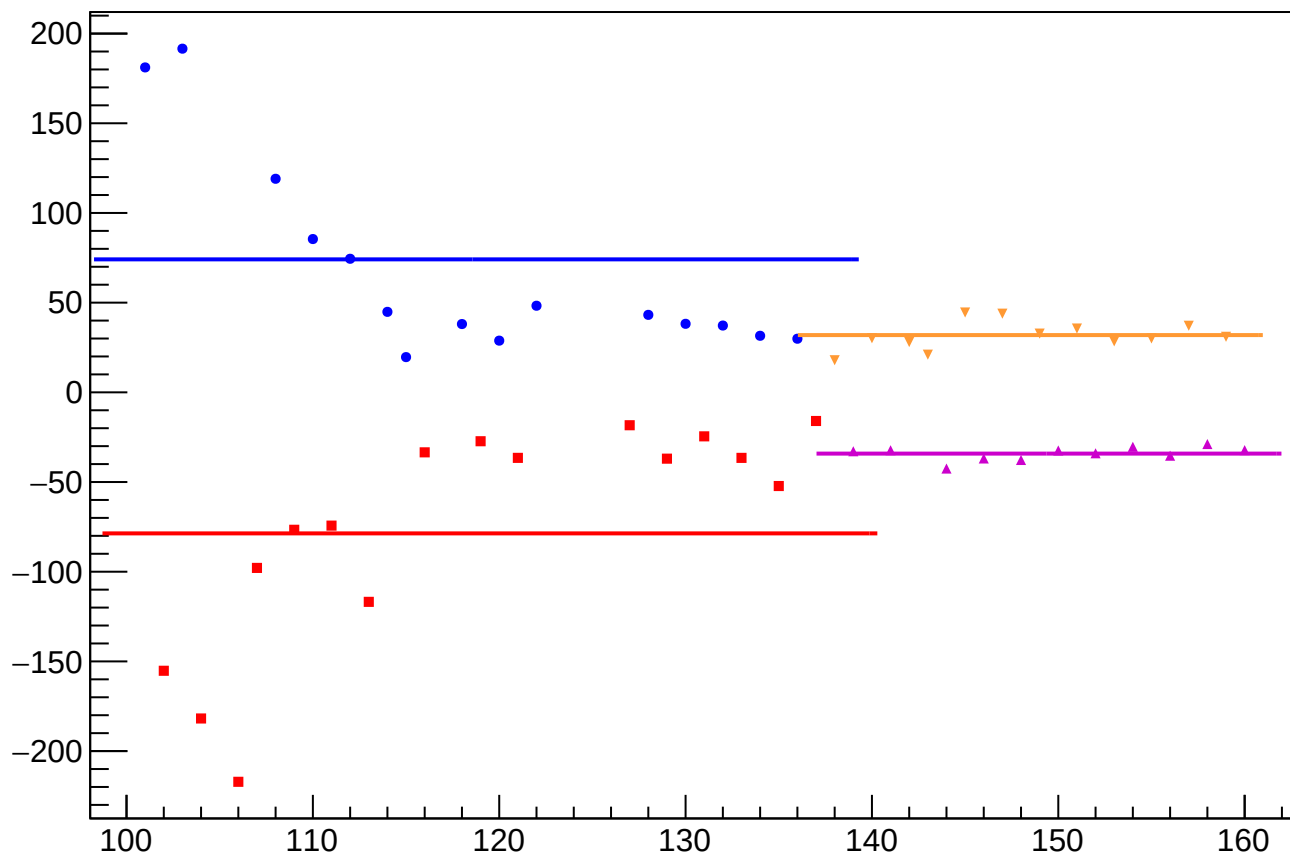
χ^2/NDF : 71770784102052938523592716508479881216.0/15

Left In: -1110.204 +/- 0.000

χ^2/NDF : 34078671675207101758695575343264169984.0/10

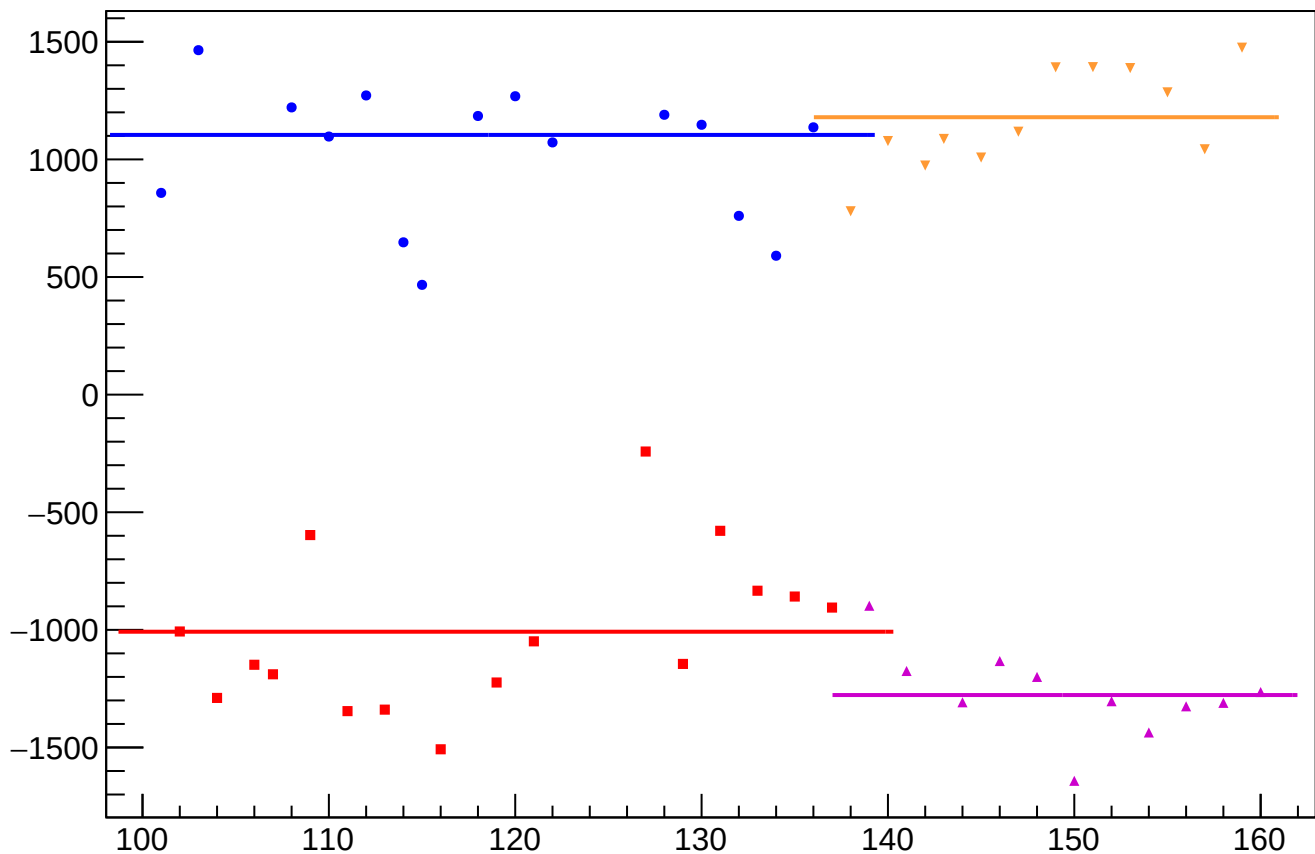
All: -25.735 +/- 0.000 χ^2/NDF : 237118807737

dit_sam1_coil3_err_mean vs Slug, Sign Corrected



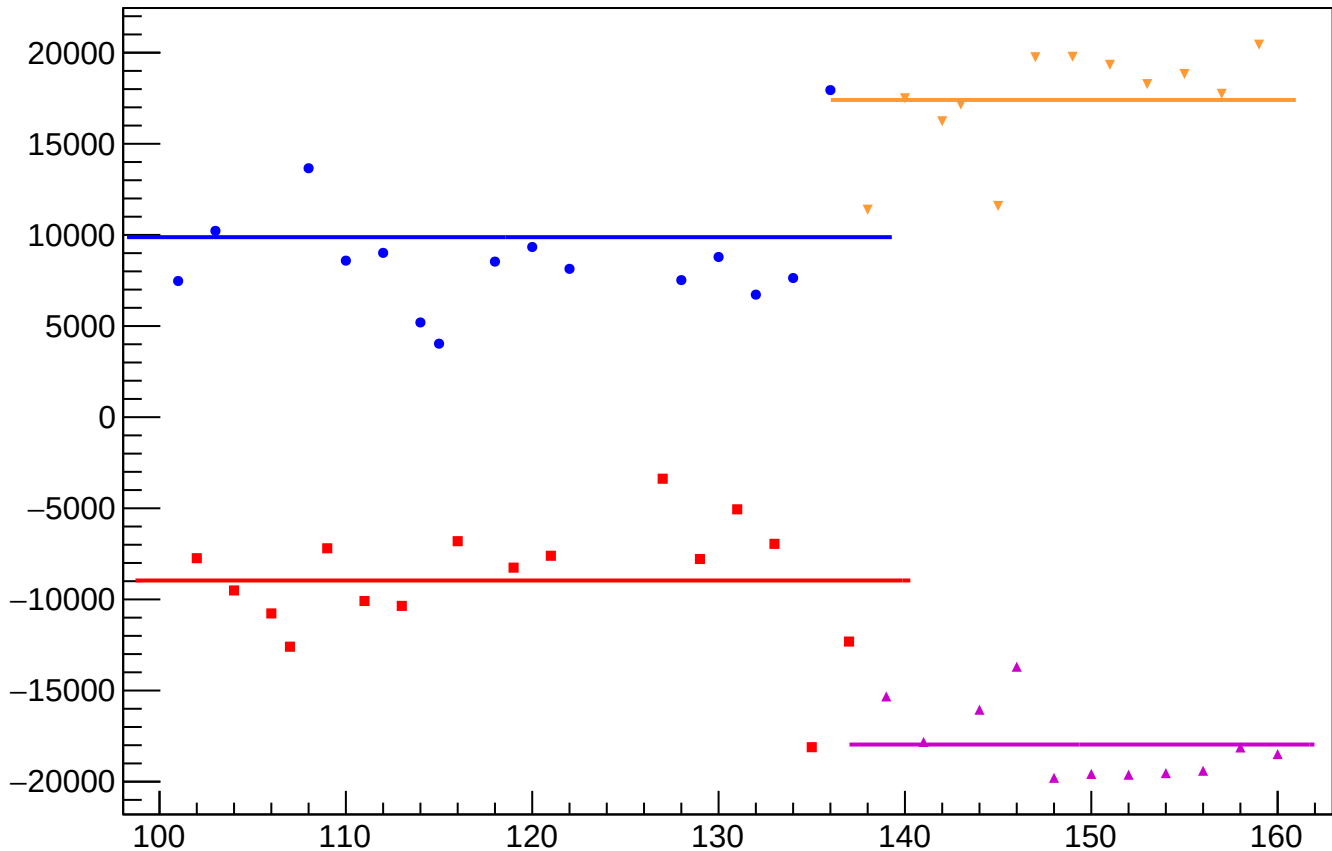
Right In: 74.129 ± 0.000 $\chi^2/\text{NDF}: 2168375717401207322620658258081218560.0/14$
 Left Out: 31.916 ± 0.000 $\chi^2/\text{NDF}: 52391134971476446801164737802403840.0/11$
 Right Out: -78.633 ± 0.000 $\chi^2/\text{NDF}: 2343230336879830638767678903539466240.0/15$
 Left In: -34.158 ± 0.000 $\chi^2/\text{NDF}: 12535781757096828038064244290224128.0/10$
 All: -2.134 ± 0.000 $\chi^2/\text{NDF}: 1426173775487$

dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected



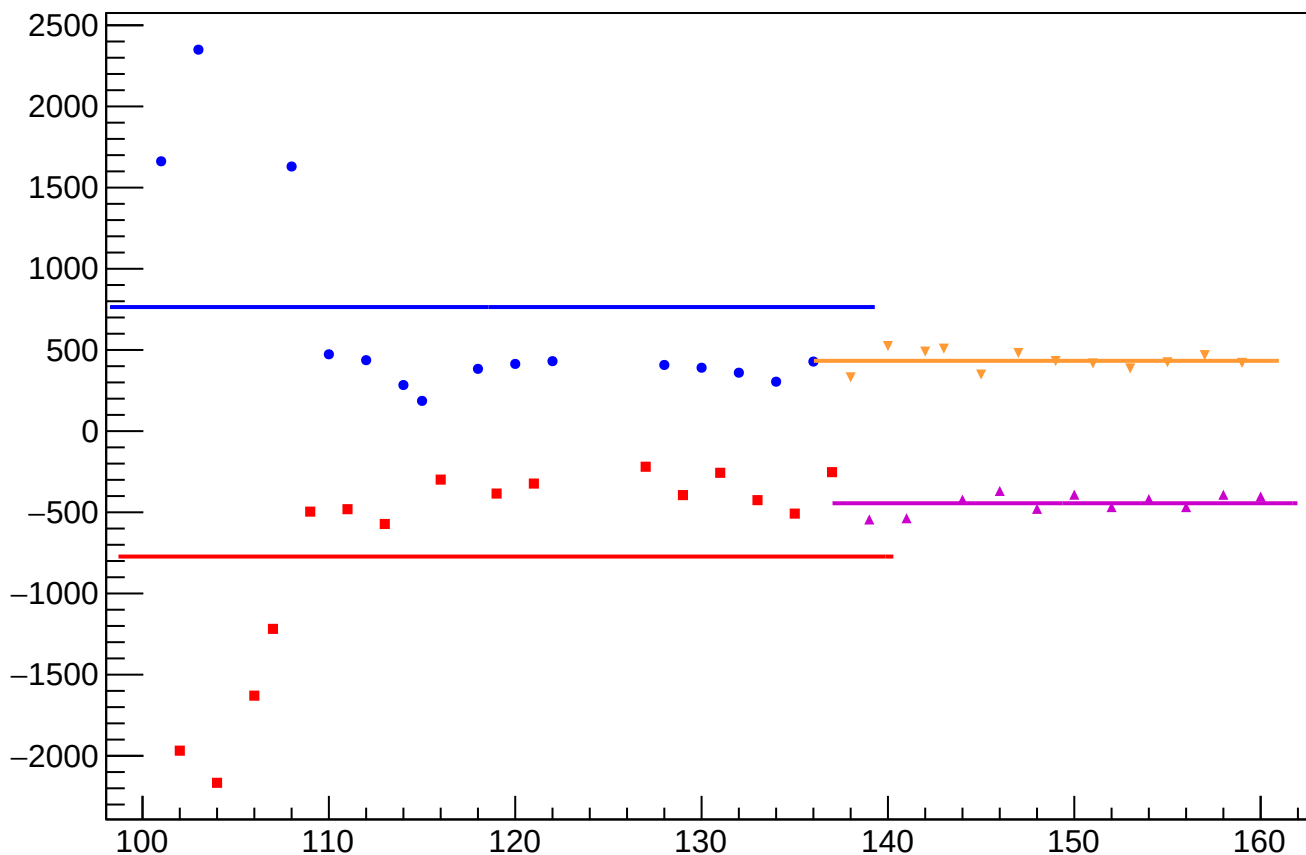
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam2_coil3_mean vs Slug, Sign Corrected



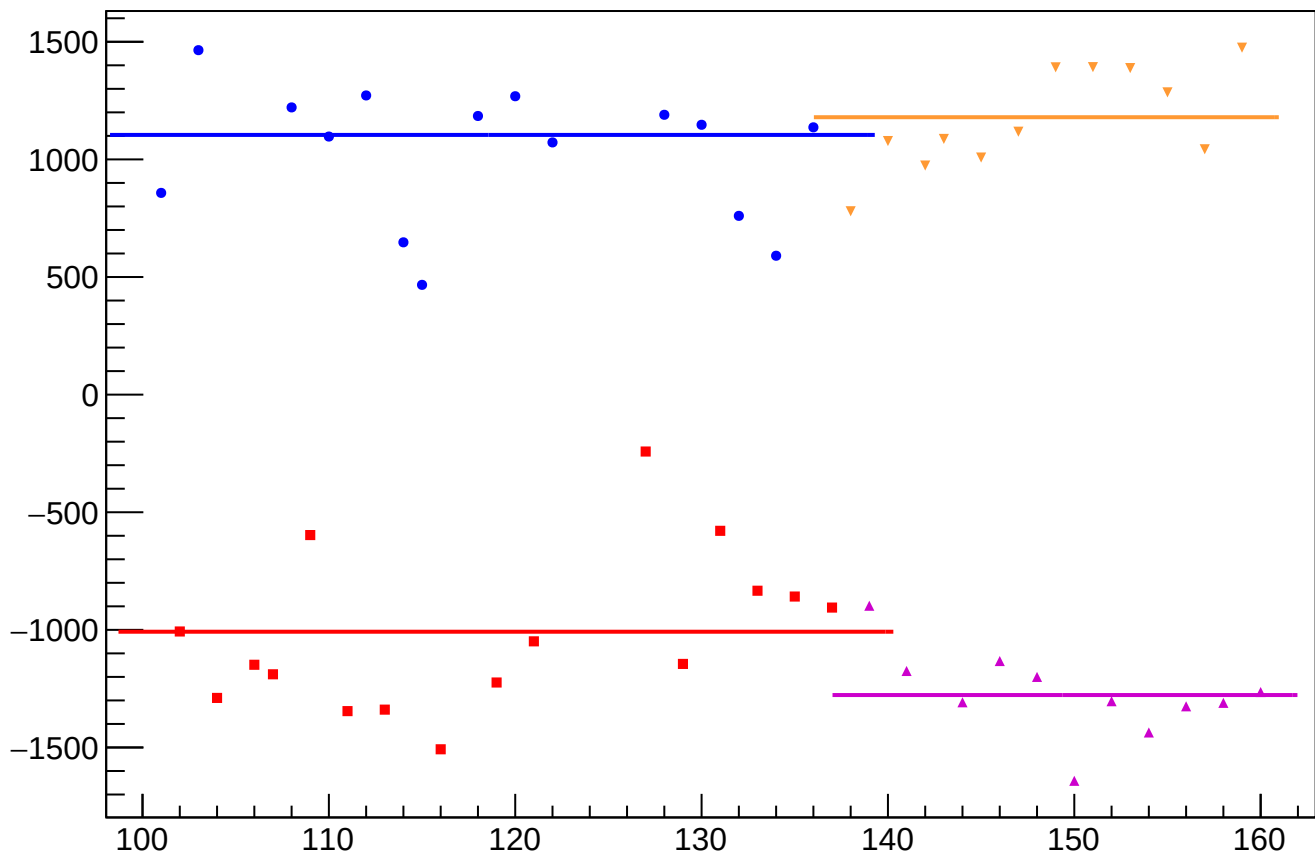
Right In: 9876.530 ± 0.000 $\chi^2/\text{NDF}: 8483360287053054122301651905797133697024.0/14$
 Left Out: 17405.049 ± 0.000 $\chi^2/\text{NDF}: 7689801671099378791544545422175664865280.0/11$
 Right Out: -8961.593 ± 0.000 $\chi^2/\text{NDF}: 7583728644146461427304320888408335450112.0/15$
 Left In: -17962.529 ± 0.000 $\chi^2/\text{NDF}: 3564698291142811133043344688261317525504.0/10$
 All: -81.381 ± 0.000 $\chi^2/\text{NDF}: 719188962323$

dit_sam2_coil3_err_mean vs Slug, Sign Corrected



Right In: 764.284+/-0.000 χ^2/NDF : 290964758058269480005067205020030599168.0/14
 Left Out: 433.079+/-0.000 χ^2/NDF : 3070370524438239159273190119476035584.0/11
 Right Out: -772.547+/-0.000 χ^2/NDF : 285902138904642401278625587631891677184.0/15
 Left In: -444.245+/-0.000 χ^2/NDF : 2906625839452991270105053894151241728.0/10
 All: -10.754+/-0.000 χ^2/NDF : 171344684046

dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1179.336+/-0.000

χ^2/NDF : 38742916032610862911819544133355175936.0/11

Right Out: -1007.906+/-0.000

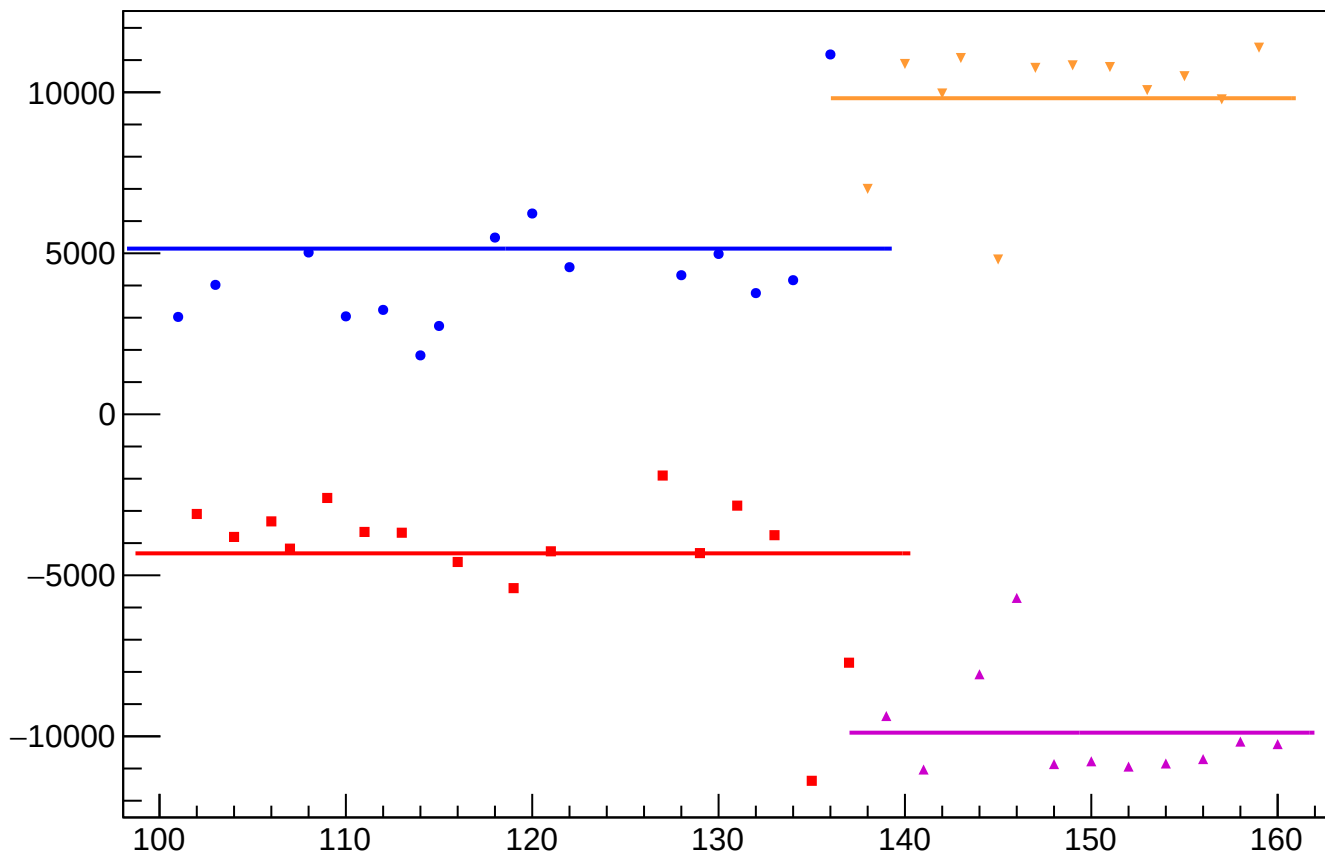
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam3_coil3_mean vs Slug, Sign Corrected



Right In: 5145.657+/-0.000

χ^2/NDF : 4272867262459372237810540195851662262272.0/14

Left Out: 9815.736+/-0.000

χ^2/NDF : 3242126212507286714618316704208262266880.0/11

Right Out: -4318.126+/-0.000

χ^2/NDF : 3345176554564755427312533888908526616576.0/15

Left In: -9887.069+/-0.000

χ^2/NDF : 2278516780225824082632420288802127347712.0/10

Left: -89.265+/-0.000 χ^2/NDF : 1838935043265731

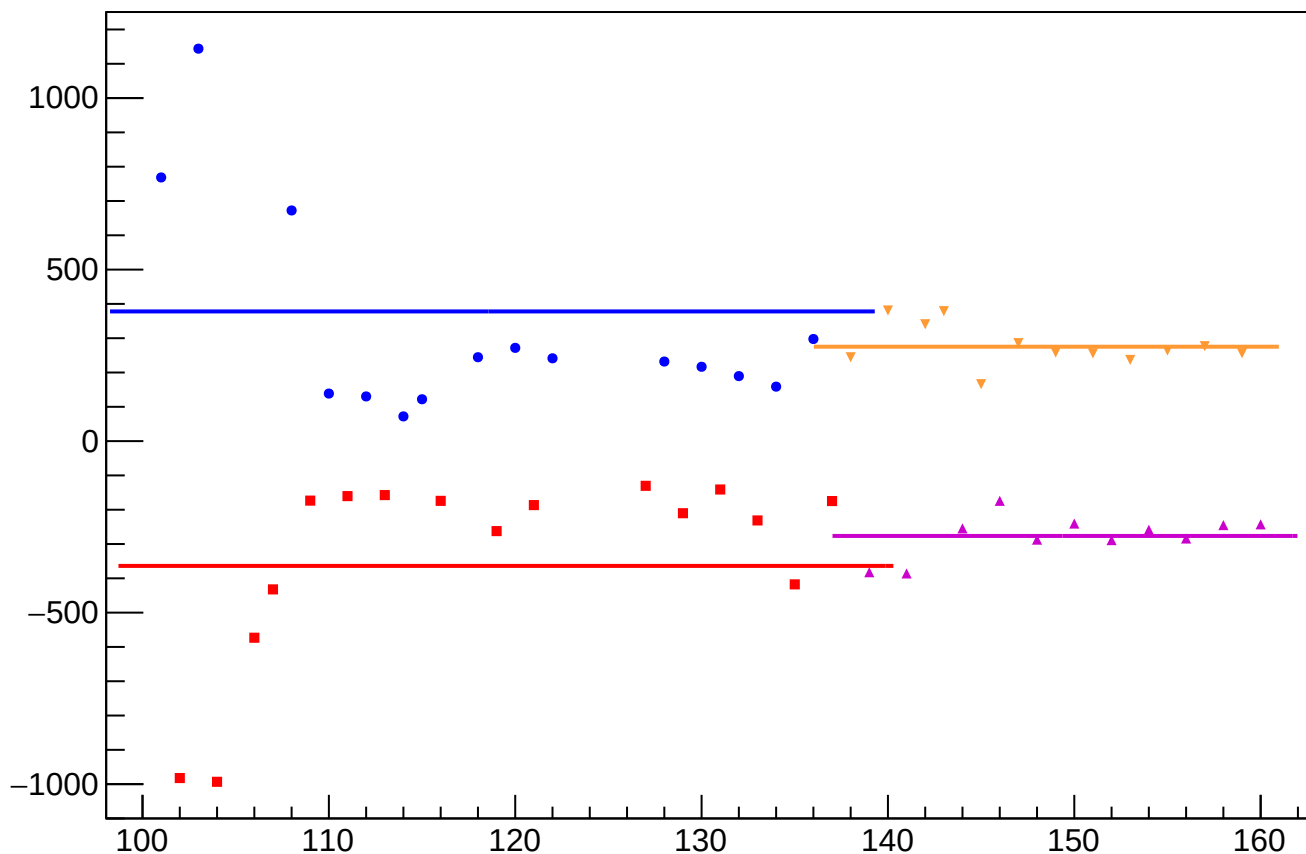
Right: 349.044+/-0.000 χ^2/NDF : 370788219703753

In: -3684.756+/-0.000 χ^2/NDF : 927030037862326

Out: 3852.873+/-0.000 χ^2/NDF : 836176493055076

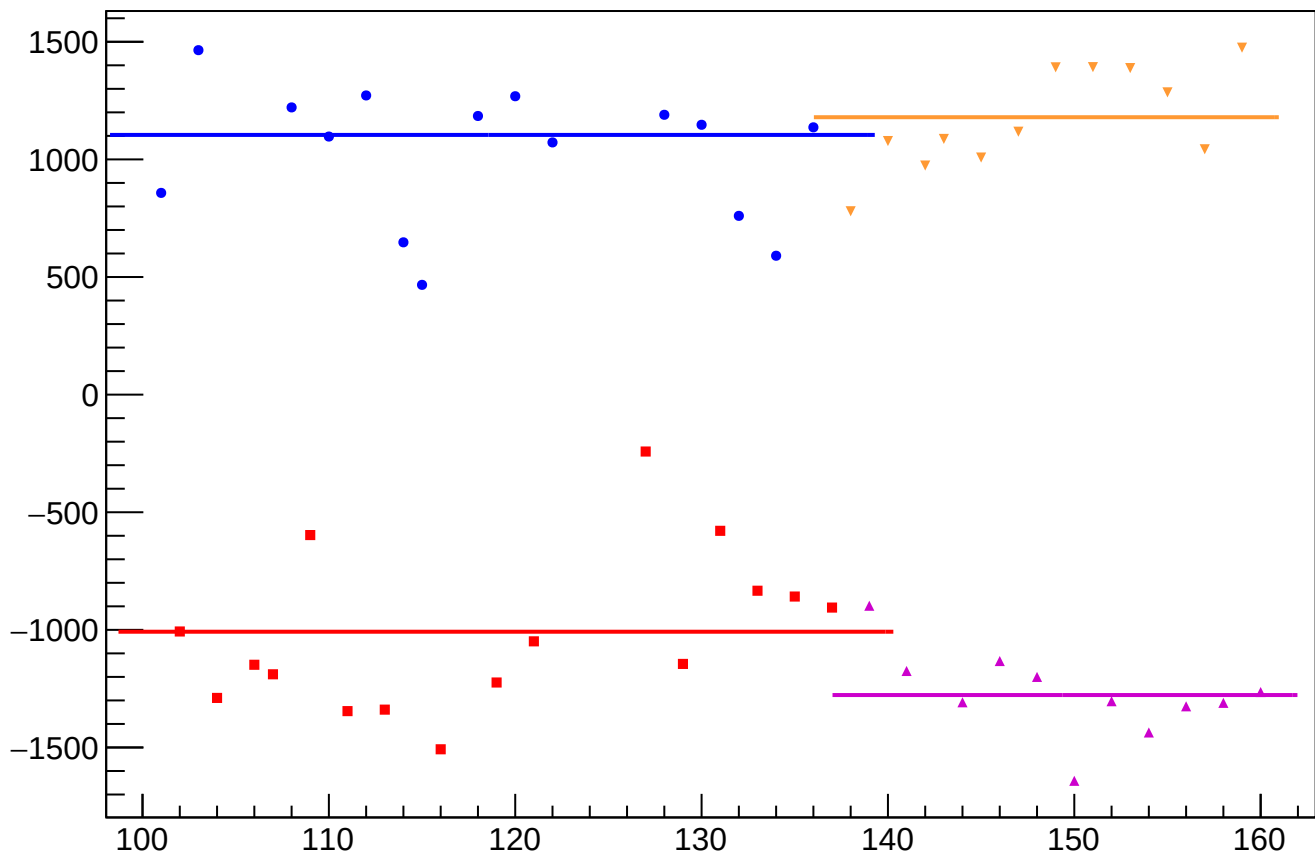
All: 93.618+/-0.000 χ^2/NDF : 2211196592737

dit_sam3_coil3_err_mean vs Slug, Sign Corrected



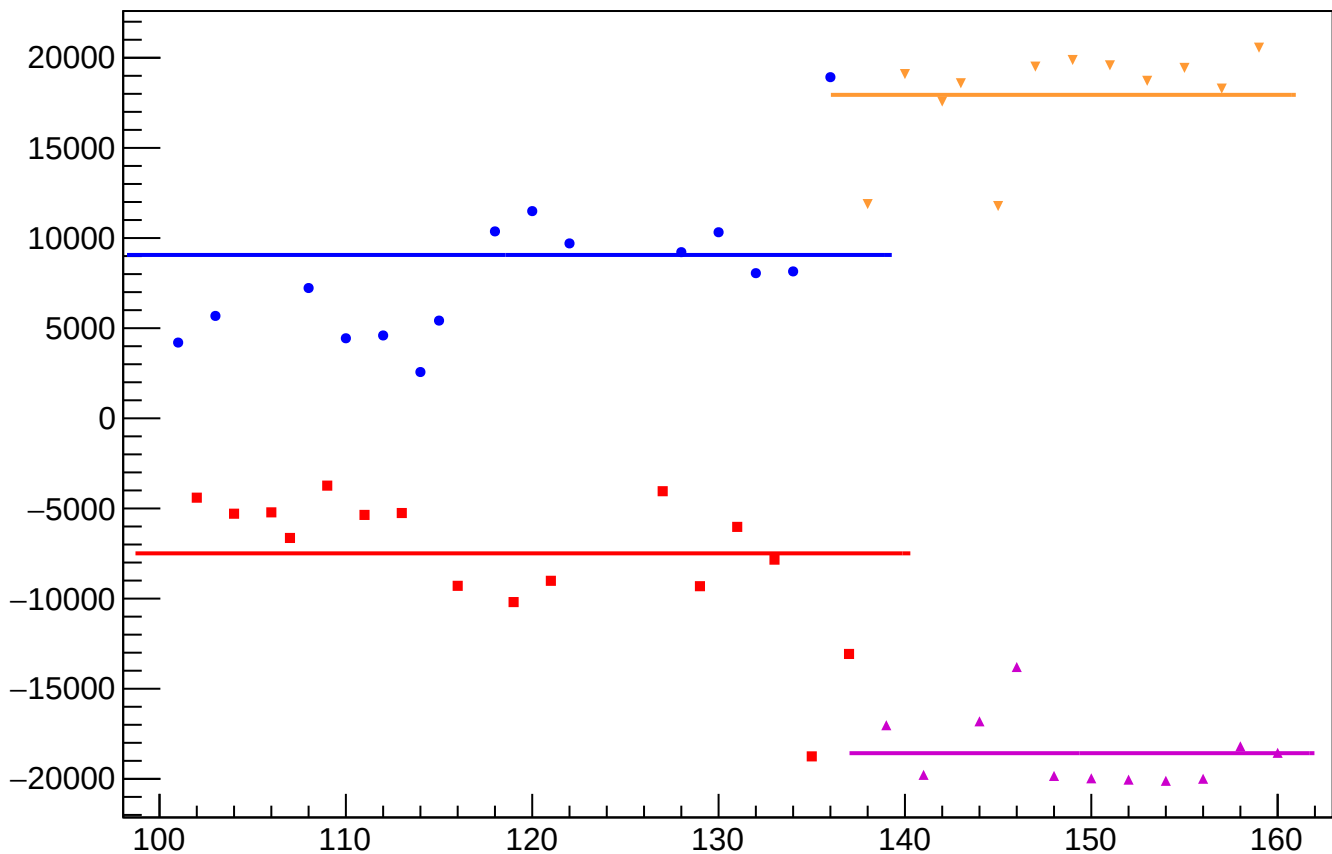
Right In: 378.052 $\pm$ 0.000 χ^2 /NDF: 61516590022593053040860760861331947520.0/14
 Left Out: 275.181 $\pm$ 0.000 χ^2 /NDF: 3063973924838483752648023856495198208.0/11
 Right Out: -363.772 $\pm$ 0.000 χ^2 /NDF: 59031337484709801804181439342706688000.0/15
 Left In: -276.429 $\pm$ 0.000 χ^2 /NDF: 3176476969276554988209041450490396672.0/10
 All: -0.376 $\pm$ 0.000 χ^2 /NDF: 4476277184699

dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected



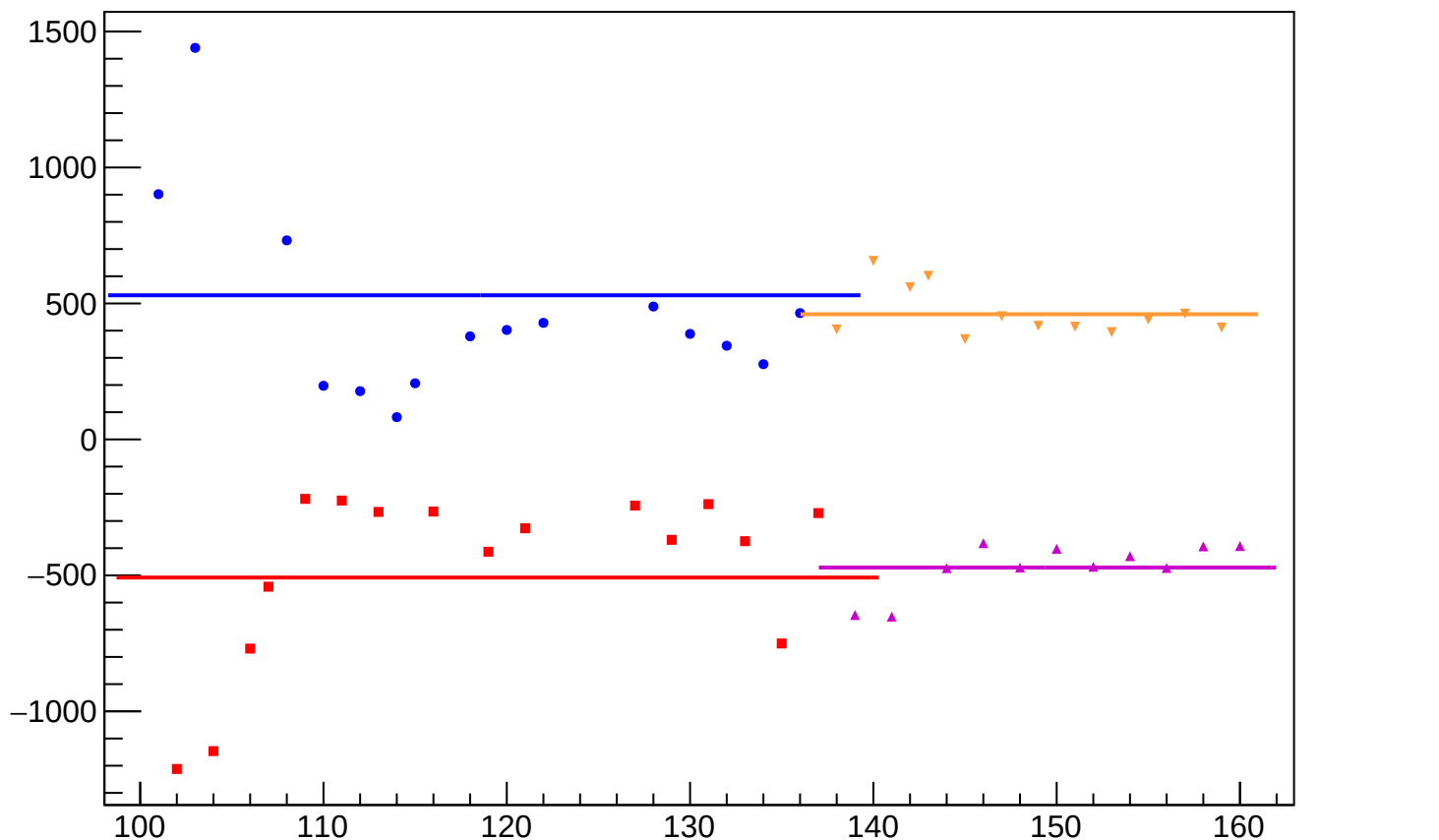
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_sam4_coil3_mean vs Slug, Sign Corrected



Right In: 9062.710 $\pm$ 0.000 χ^2 /NDF: 13621066943114354594159252409175431446528.0/14
 Left Out: 17943.531 $\pm$ 0.000 χ^2 /NDF: 7473617733274816603280469921274378846208.0/11
 Right Out: -7490.147 $\pm$ 0.000 χ^2 /NDF: 10108202124204139932285006457388239159296.0/15
 Left In: -18574.874 $\pm$ 0.000 χ^2 /NDF: 3371752936319538414648384836142763081728.0/10
 All: 38.990 $\pm$ 0.000 χ^2 /NDF: 7383790559071

dit_sam4_coil3_err_mean vs Slug, Sign Corrected



Right In: 530.057+/-0.000

χ^2/NDF : 78754676063063255524046471751880671232.0/14

Left Out: 460.312+/-0.000

χ^2/NDF : 6754606428371283053517529701630869504.0/11

Right Out: -507.987+/-0.000

χ^2/NDF : 76689734698308464337881841969555046400.0/15

Left In: -471.219+/-0.000

χ^2/NDF : 7445973219160336257467772011051745280.0/10

Left: -7.988+/-0.000 χ^2/NDF : 41292053384474531

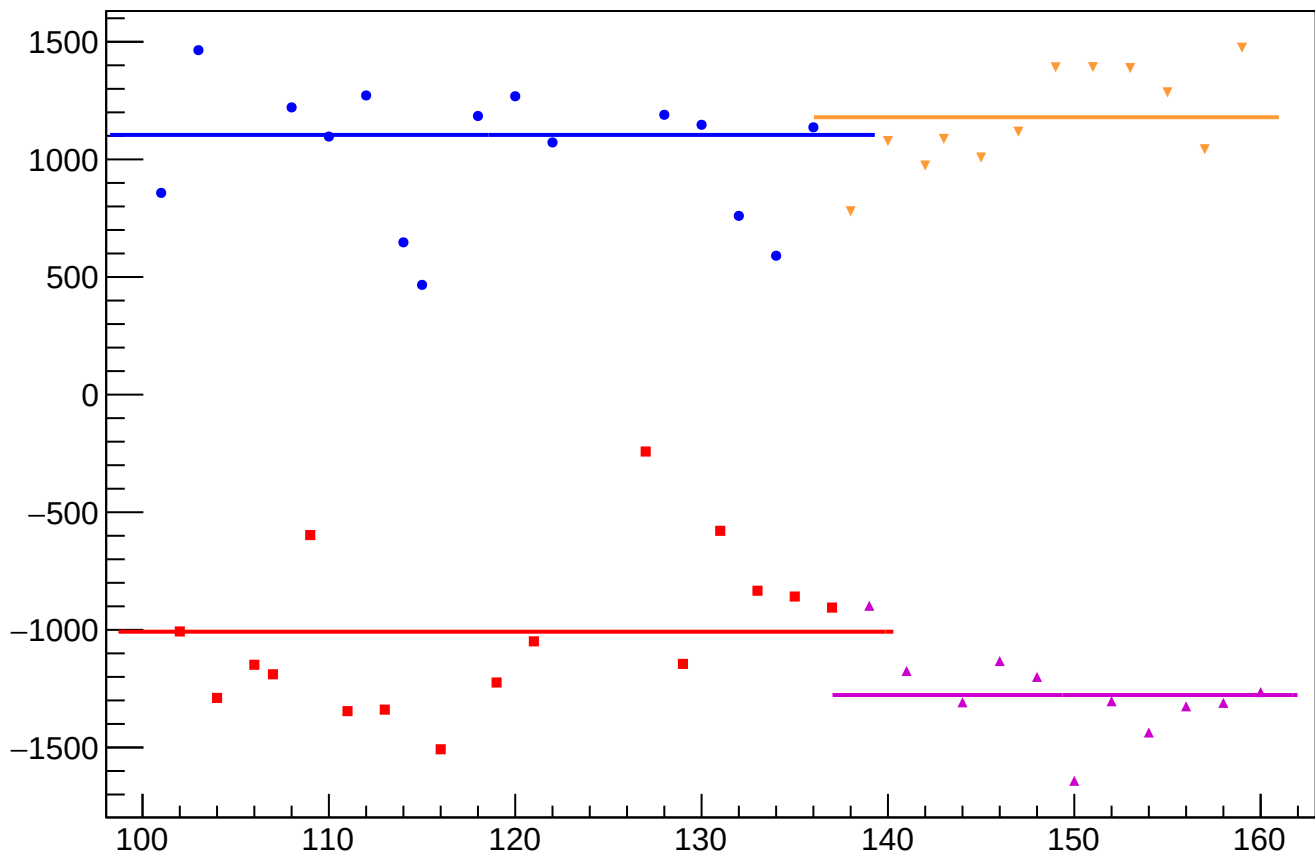
Right: 3.936+/-0.000 χ^2/NDF : 50988723963729126

In: -58.105+/-0.000 χ^2/NDF : 46840539671479809

Out: 51.802+/-0.000 χ^2/NDF : 44498677720954542

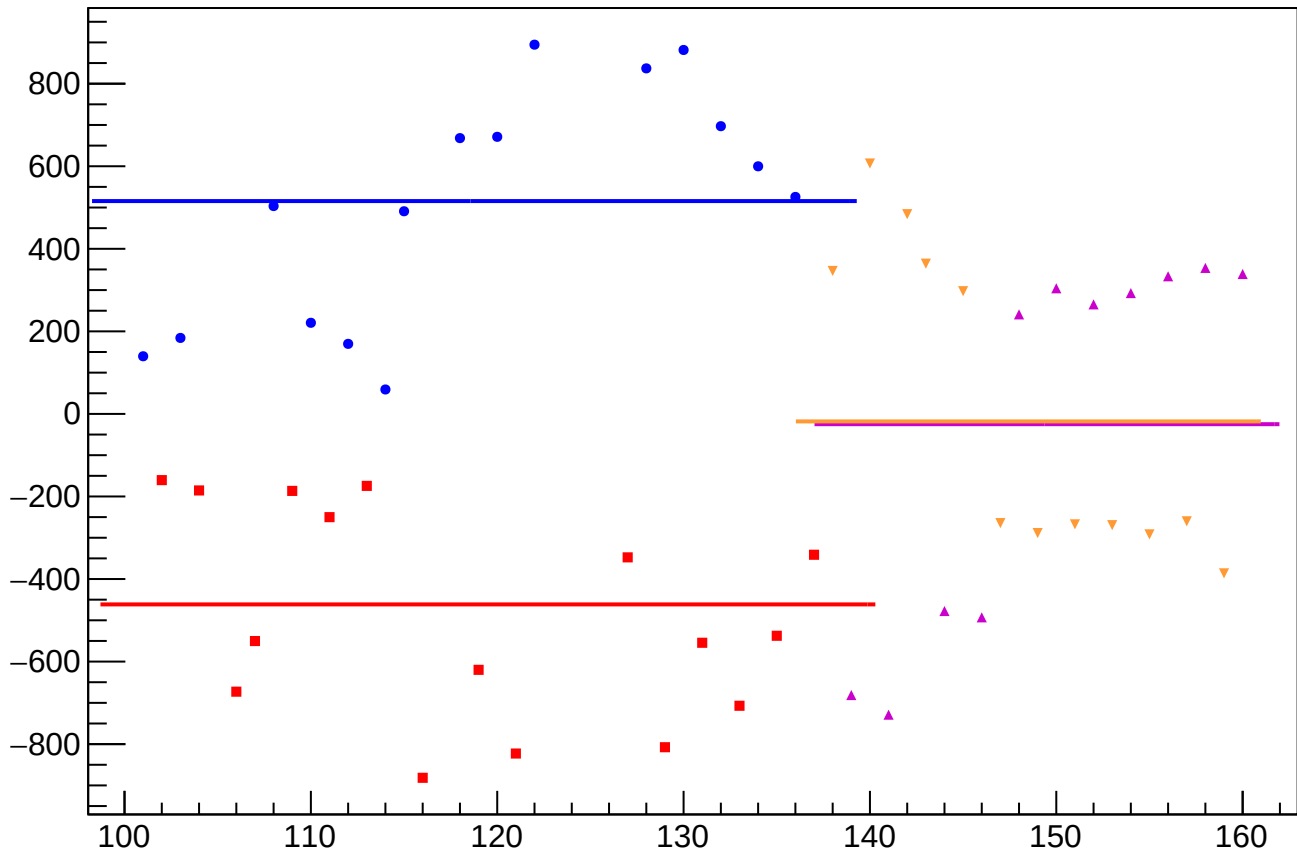
All: -3.012+/-0.000 χ^2/NDF : 9229168077860

dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_sam5_coil3_mean vs Slug, Sign Corrected



Right In: 515.635+/-0.000

χ^2/NDF : 48465403420573957292673062371162324992.0/14

Left Out: -18.146+/-0.000

χ^2/NDF : 114014627327363890146179797072763420672.0/11

Right Out: -461.497+/-0.000

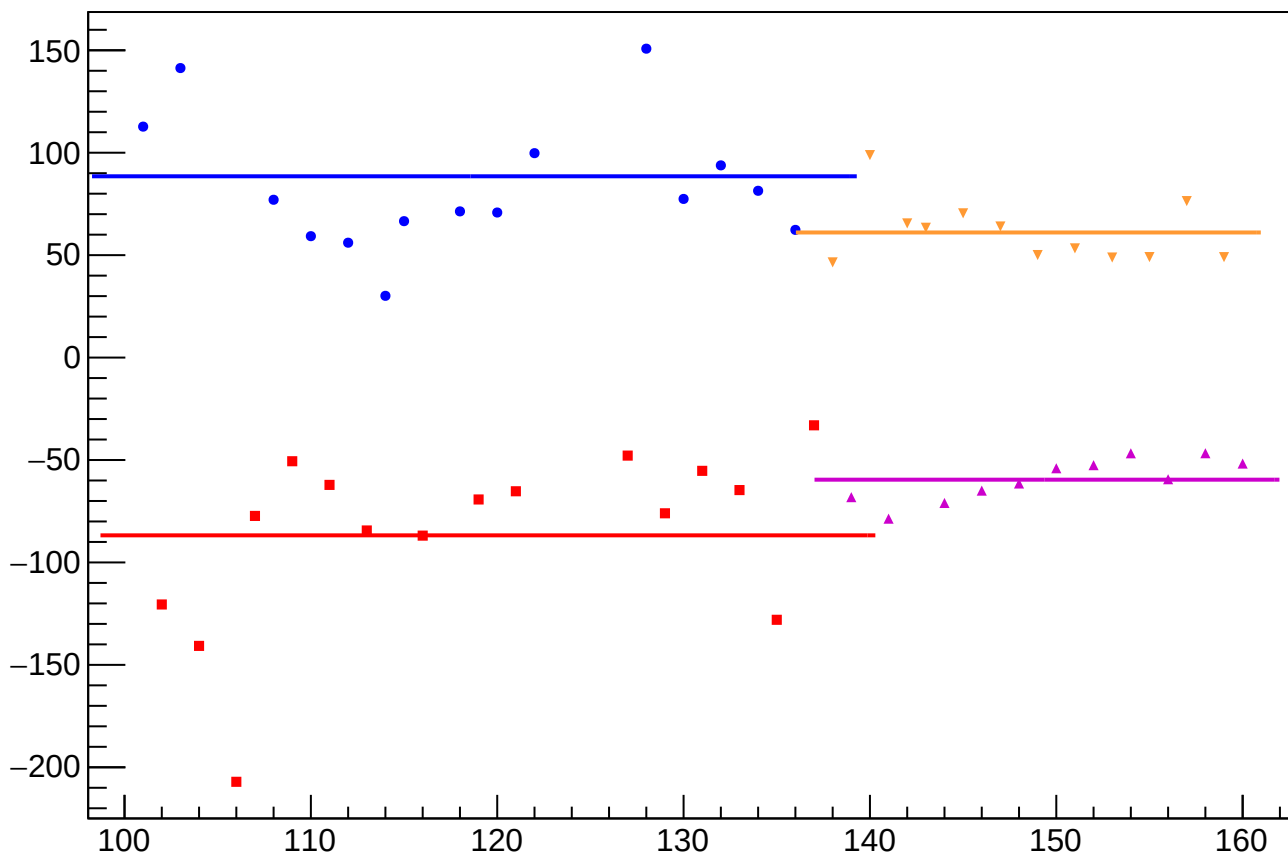
χ^2/NDF : 40473746660091355928063306884368564224.0/15

Left In: -24.898+/-0.000

χ^2/NDF : 177170083146066340419686697250307702784.0/10

All: -4.046+/-0.000 χ^2/NDF : 6955593653745

dit_sam5_coil3_err_mean vs Slug, Sign Corrected



Right In: 88.493 ± 0.000 $\chi^2/\text{NDF}: 643231155193035512625817963208900608.0/14$

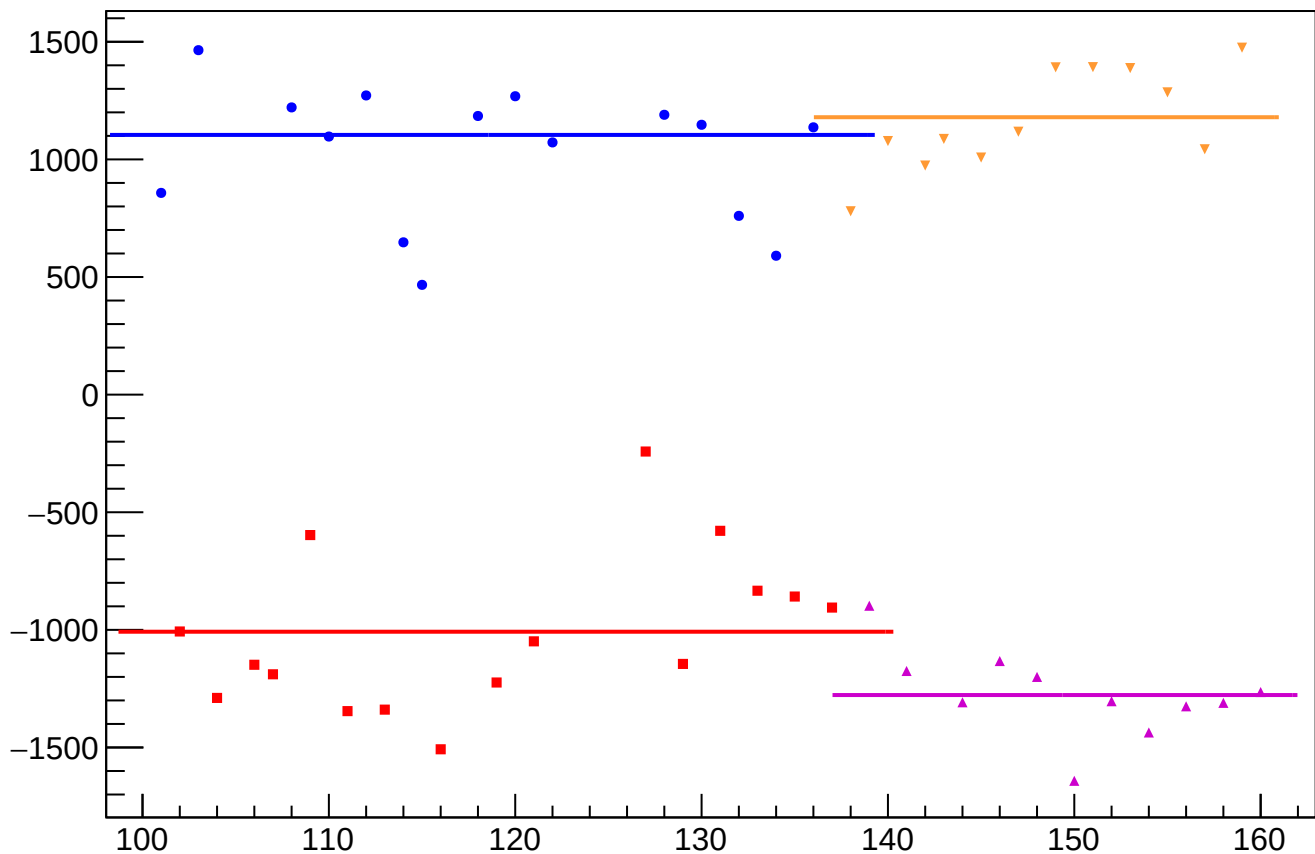
Left Out: 61.067 ± 0.000 $\chi^2/\text{NDF}: 211507080213048507647331077961285632.0/11$

Right Out: -86.773 ± 0.000 $\chi^2/\text{NDF}: 1059206766314086021240525003228708864.0/15$

Left In: -59.604 ± 0.000 $\chi^2/\text{NDF}: 90862625181985664375323463168032768.0/10$

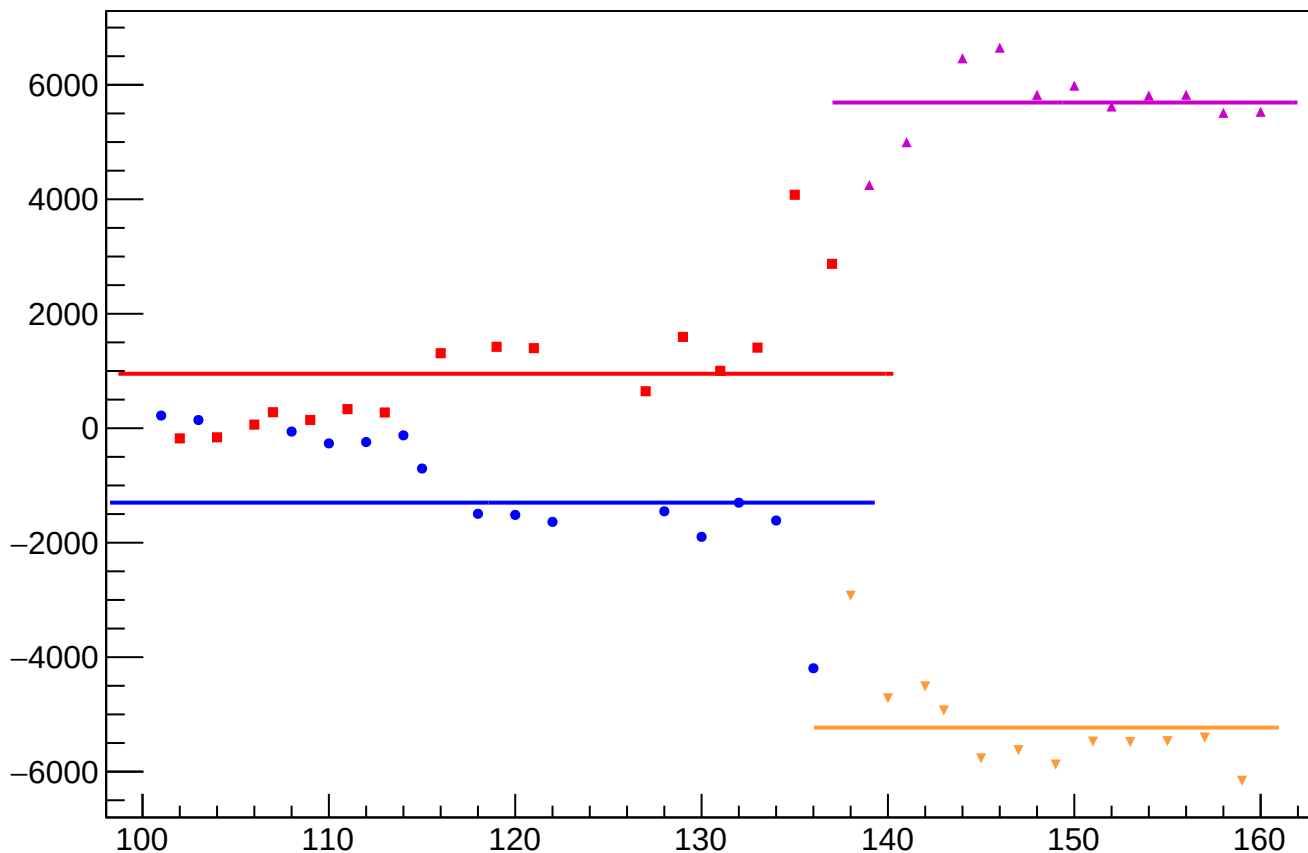
All: 0.094 ± 0.000 $\chi^2/\text{NDF}: 18800505371841$

dit_sam5_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_sam6_coil3_mean vs Slug, Sign Corrected



Right In: -1299.904+/-0.000

Left Out: -5230.164+/-0.000

Right Out: 951.903+/-0.000

Left In: 5690.941+/-0.000

χ^2/NDF : 1199649252163216367086408691577524322304.0/14

χ^2/NDF : 621337546754048275745011650527081005056.0/11

χ^2/NDF : 841314696863657044174468284217089327104.0/15

χ^2/NDF : 35577462072294886968040460749891436544.0/10

Left: 260.098+/-0.000 χ^2/NDF : 5578029245557142

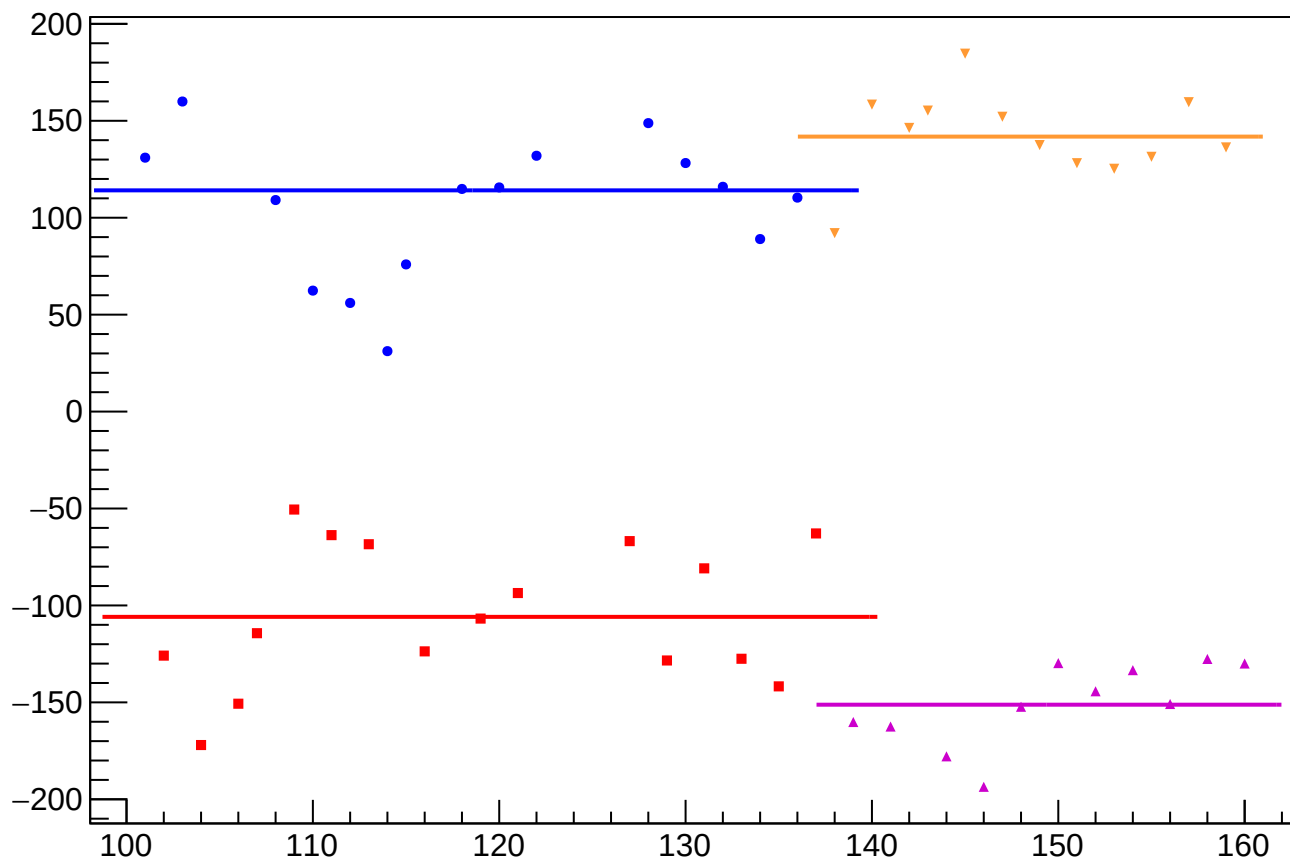
Right: -158.600+/-0.000 χ^2/NDF : 37088904648604

In: 2806.606+/-0.000 χ^2/NDF : 2018689735914814

Out: -2622.043+/-0.000 χ^2/NDF : 16199599941303

All: 85.397+/-0.000 χ^2/NDF : 5962362698239

dit_sam6_coil3_err_mean vs Slug, Sign Corrected



Right In: 114.118 $\pm$ 0.000

χ^2/NDF : 607226770891525118881736460452495360.0/14

Left Out: 141.844 $\pm$ 0.000

χ^2/NDF : 455273254245846333149237795723673600.0/11

Right Out: -105.890 $\pm$ 0.000

χ^2/NDF : 851861355270591521058611007535972352.0/15

Left In: -151.203 $\pm$ 0.000

χ^2/NDF : 382227652604999337577431549784096768.0/10

Left: -5.477 $\pm$ 0.000 χ^2/NDF : 40296557348706998

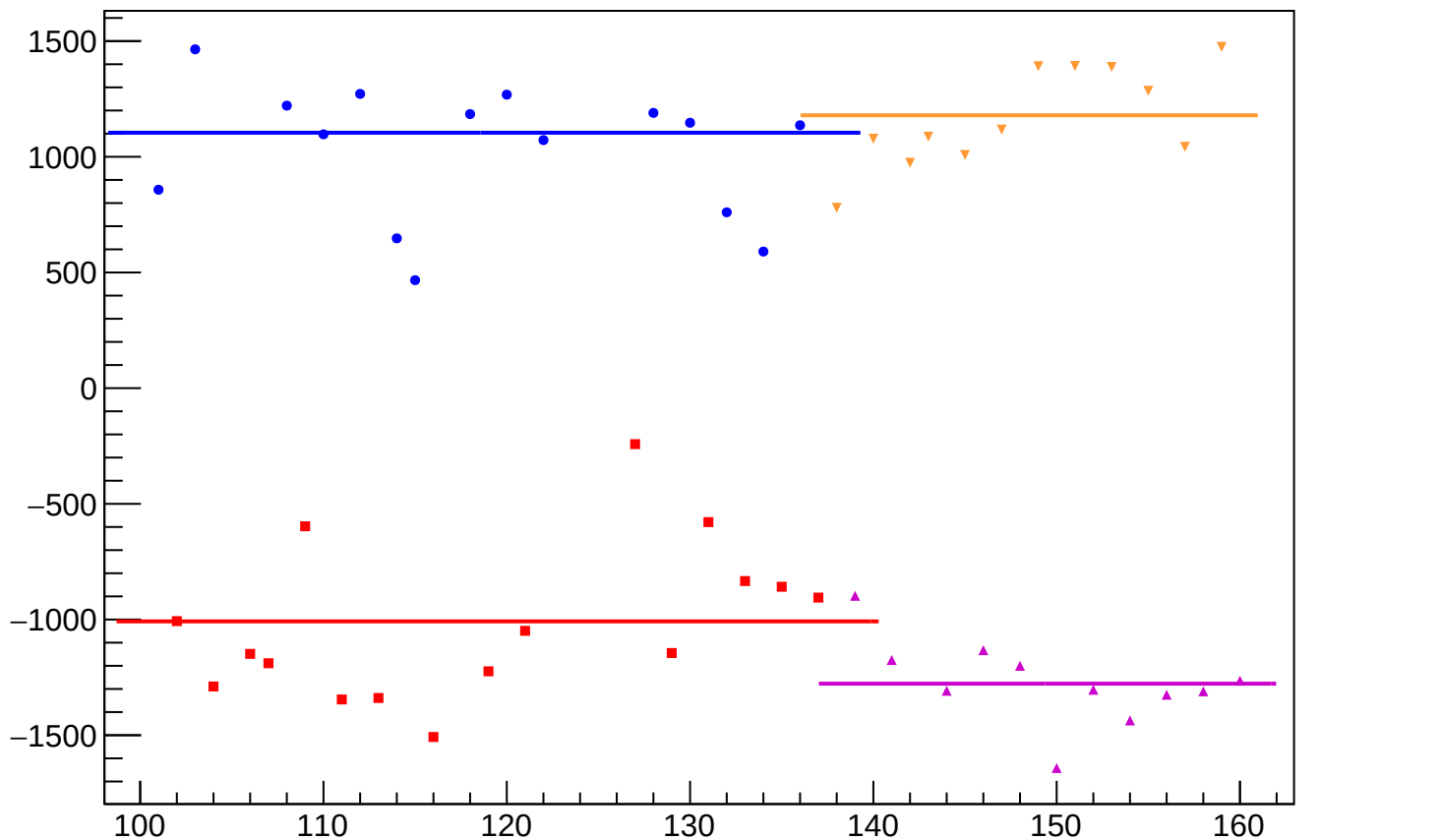
Right: 2.610 $\pm$ 0.000 χ^2/NDF : 17380785718088446

In: -41.735 $\pm$ 0.000 χ^2/NDF : 27826261181651348

Out: 37.329 $\pm$ 0.000 χ^2/NDF : 24972280425229792

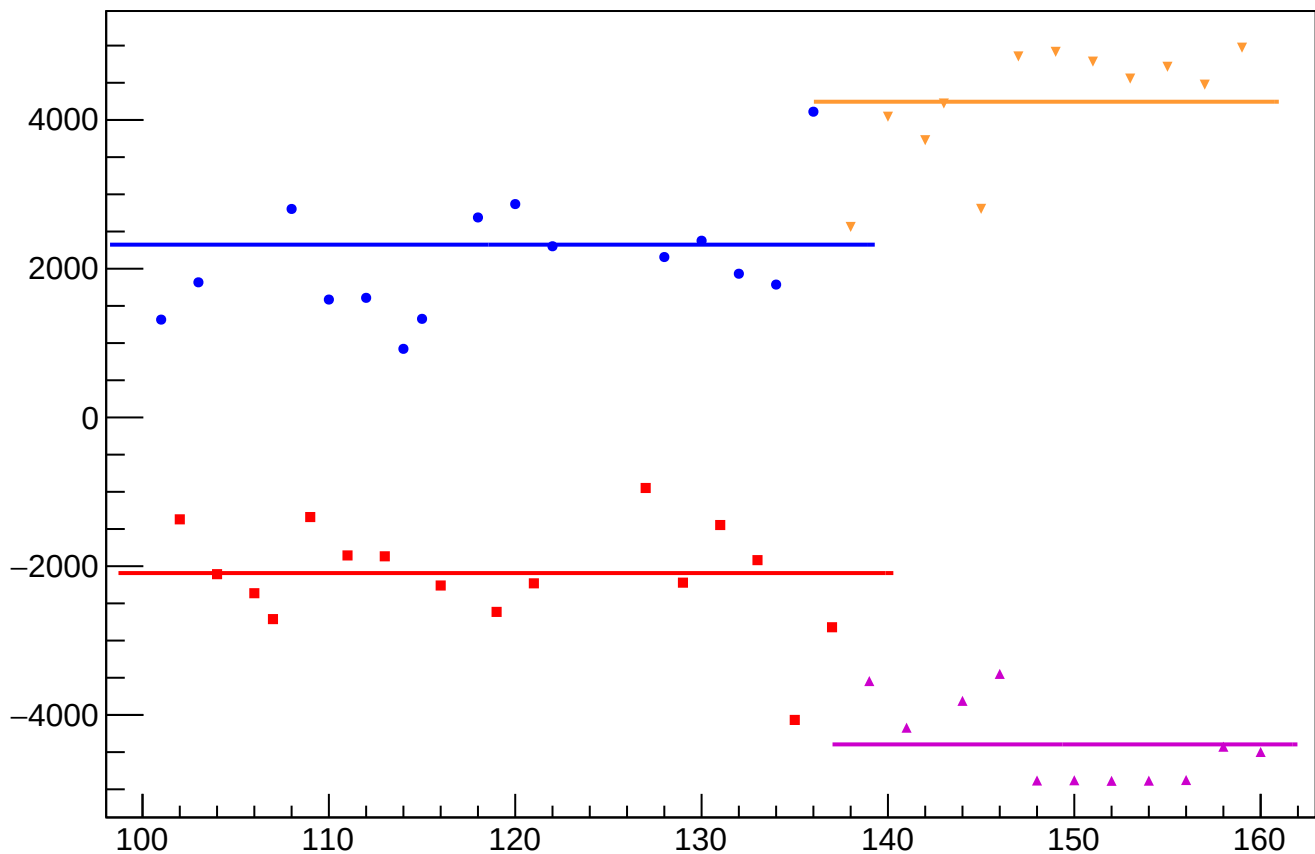
All: -2.103 $\pm$ 0.000 χ^2/NDF : 5772748991096

dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected



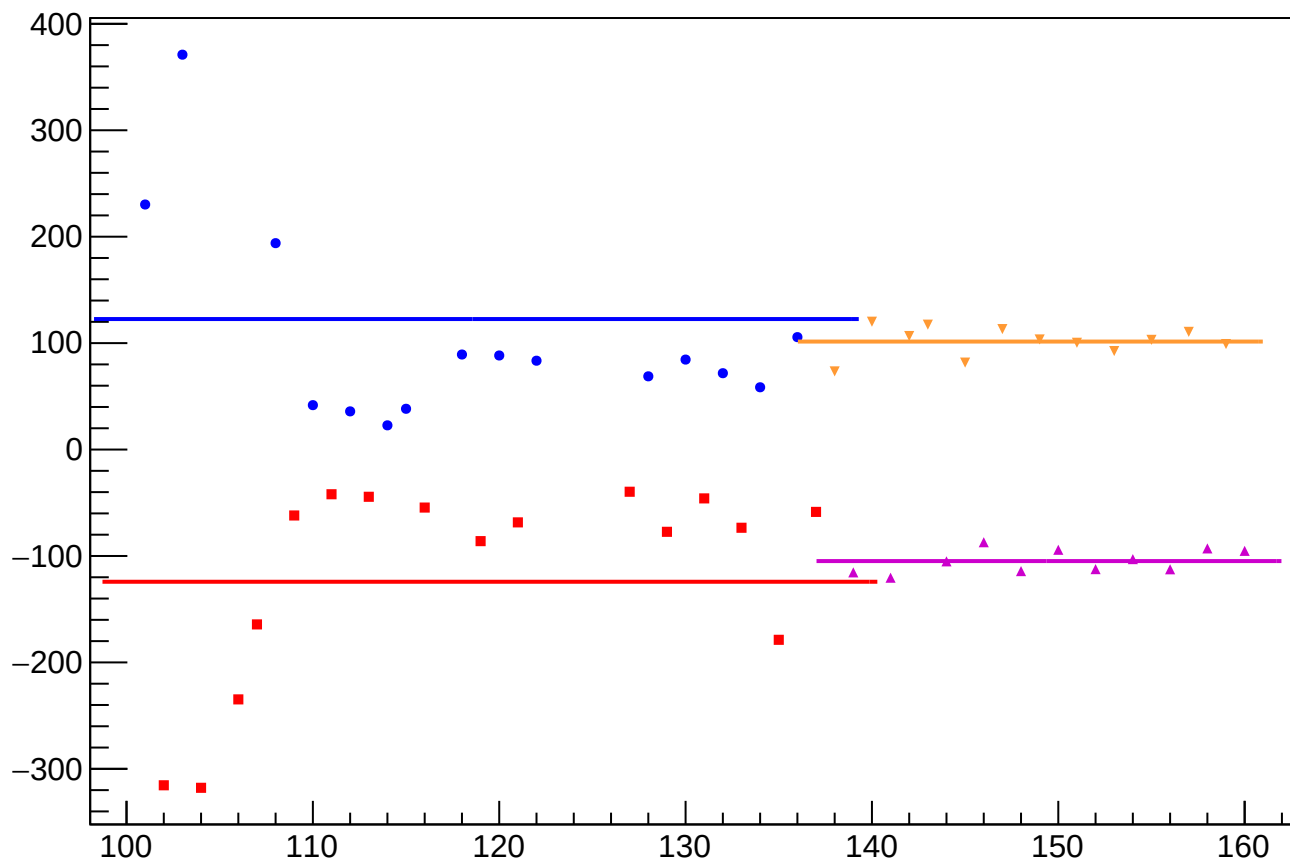
Right In: 1104.111 +/- 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 +/- 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 +/- 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 +/- 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 +/- 0.000 χ^2/NDF : 441608022845

dit_sam7_coil3_mean vs Slug, Sign Corrected



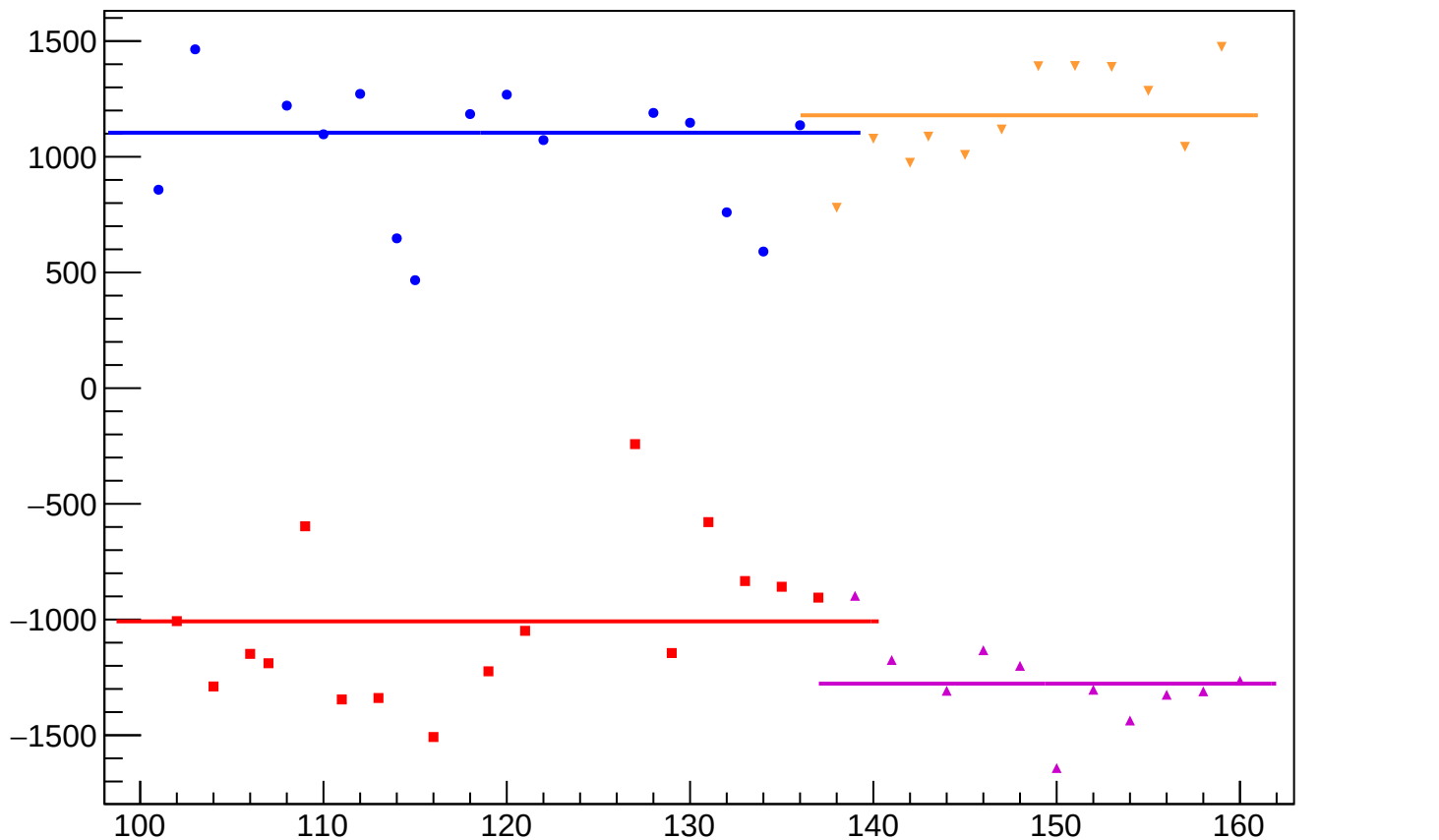
Right In: 2323.372+/-0.000 χ^2/NDF : 476371189888349375964725620757728591872.0/14
 Left Out: 4245.269+/-0.000 χ^2/NDF : 560100037882540295630660663570463719424.0/11
 Right Out: -2092.458+/-0.000 χ^2/NDF : 367126080872166122663684022473339174912.0/15
 Left In: -4396.069+/-0.000 χ^2/NDF : 270326441631367265143713722564756897792.0/10
 All: -22.065+/-0.000 χ^2/NDF : 424251896737

dit_sam7_coil3_err_mean vs Slug, Sign Corrected



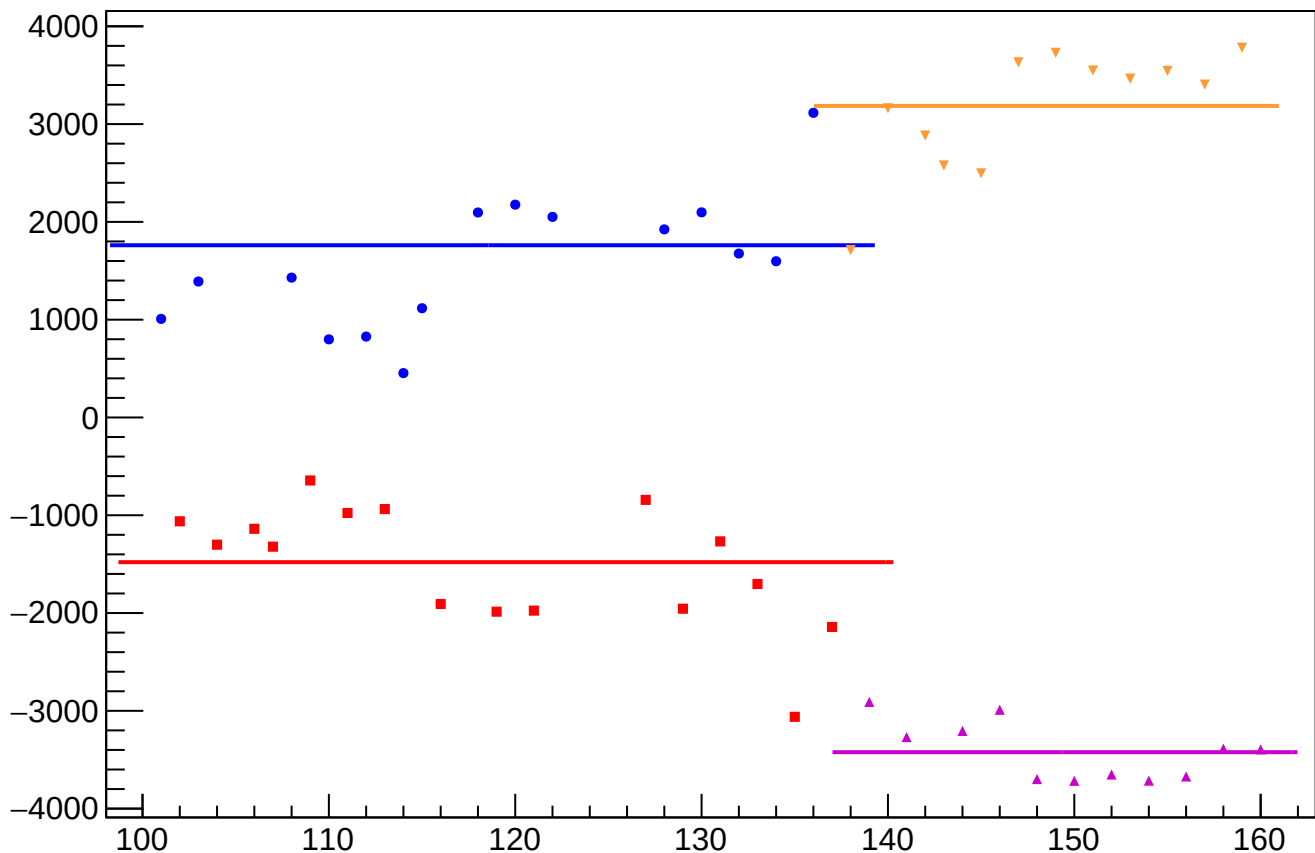
Right In: 122.622 $\pm$ 0.000 χ^2 /NDF: 5937504661187691145903235842749497344.0/14
 Left Out: 101.470 $\pm$ 0.000 χ^2 /NDF: 163606586609215515174601139620413440.0/11
 Right Out: -124.216 $\pm$ 0.000 χ^2 /NDF: 6549627589629012958791202941129719808.0/15
 Left In: -104.786 $\pm$ 0.000 χ^2 /NDF: 102013785381333837493435451846950912.0/10
 All: -2.330 $\pm$ 0.000 χ^2 /NDF: 5234216215941

dit_sam7_coil3_Ndata_mean vs Slug, Sign Corrected



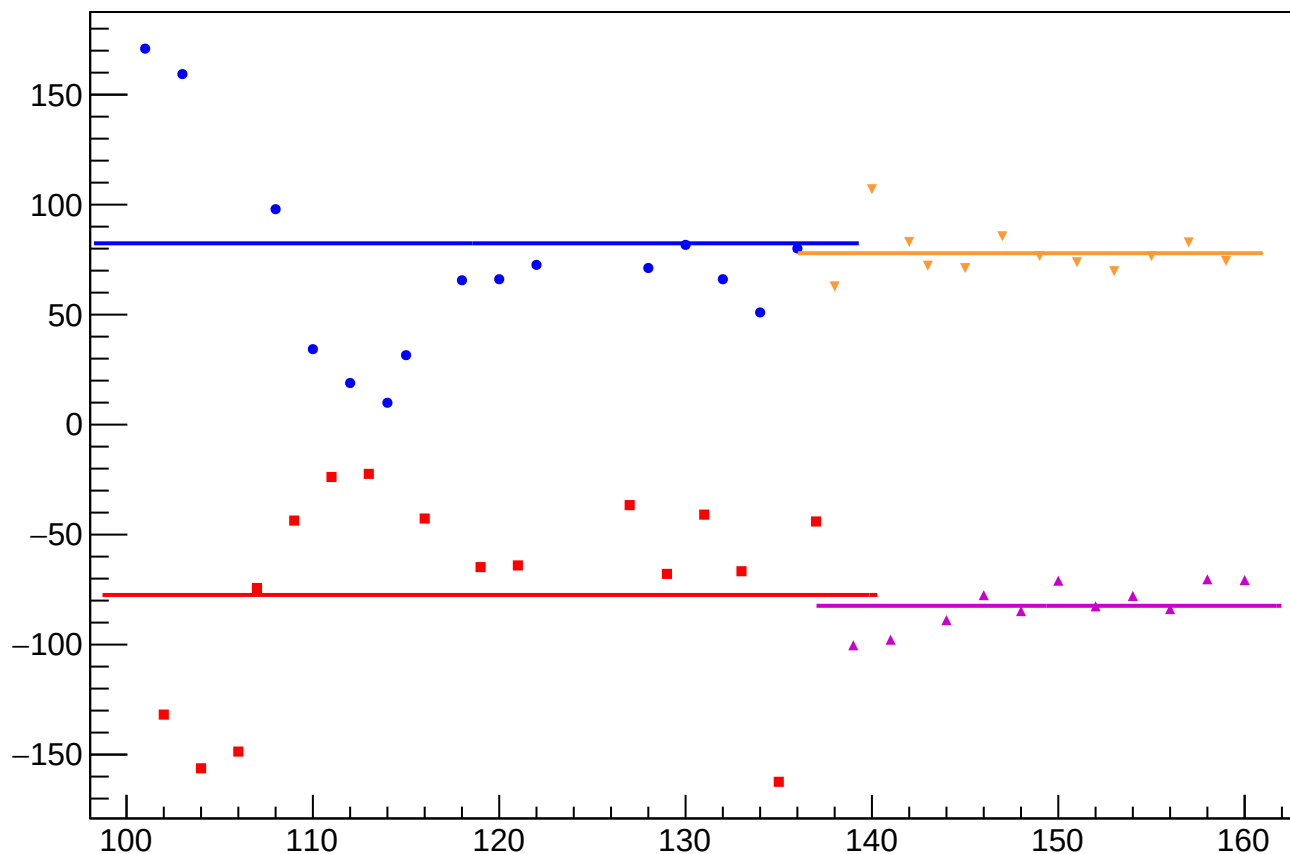
Left: -55.563 +/- 0.000 χ^2/NDF : 2840892210996509
 Right In: 1104.111 +/- 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Right: 33.659 +/- 0.000 χ^2/NDF : 1569083056347410
 Left Out: 1179.336 +/- 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 In: -294.641 +/- 0.000 χ^2/NDF : 2223953426306853
 Right Out: -1007.906 +/- 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Out: 256.572 +/- 0.000 χ^2/NDF : 1952554182211910
 Left In: -1277.097 +/- 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 +/- 0.000 χ^2/NDF : 441608022845

dit_sam8_coil3_mean vs Slug, Sign Corrected



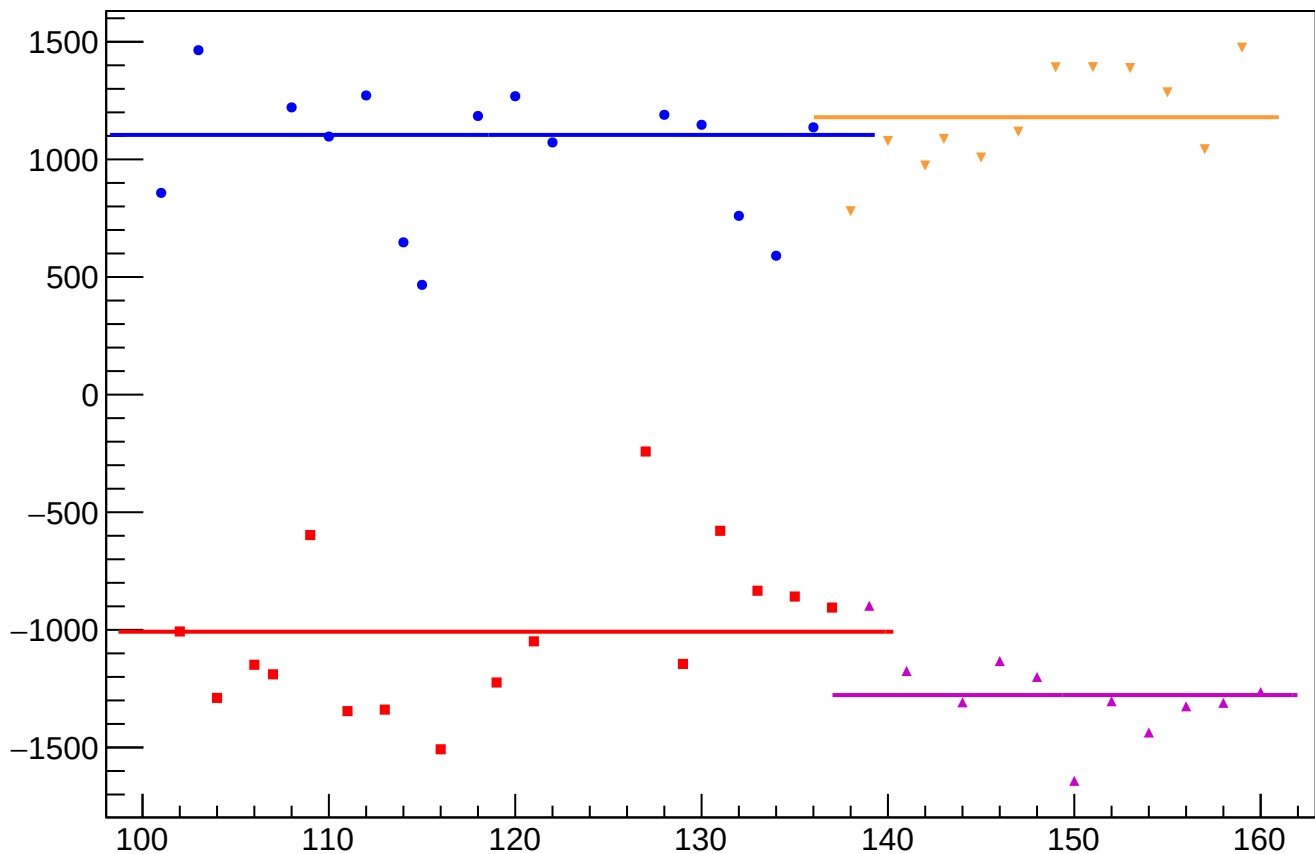
Right In: 1761.245 $\pm$ 0.000 χ^2 /NDF: 332206925976055306953064744993096204288.0/14
 Left Out: 3185.925 $\pm$ 0.000 χ^2 /NDF: 334945906452981161805339150604505710592.0/11
 Right Out: -1479.801 $\pm$ 0.000 χ^2 /NDF: 263467768134780968832551238609236131840.0/15
 Left In: -3423.018 $\pm$ 0.000 χ^2 /NDF: 7453703884208882463869581727568494592.0/10
 All: -30.093 $\pm$ 0.000 χ^2 /NDF: 245798533014

dit_sam8_coil3_err_mean vs Slug, Sign Corrected



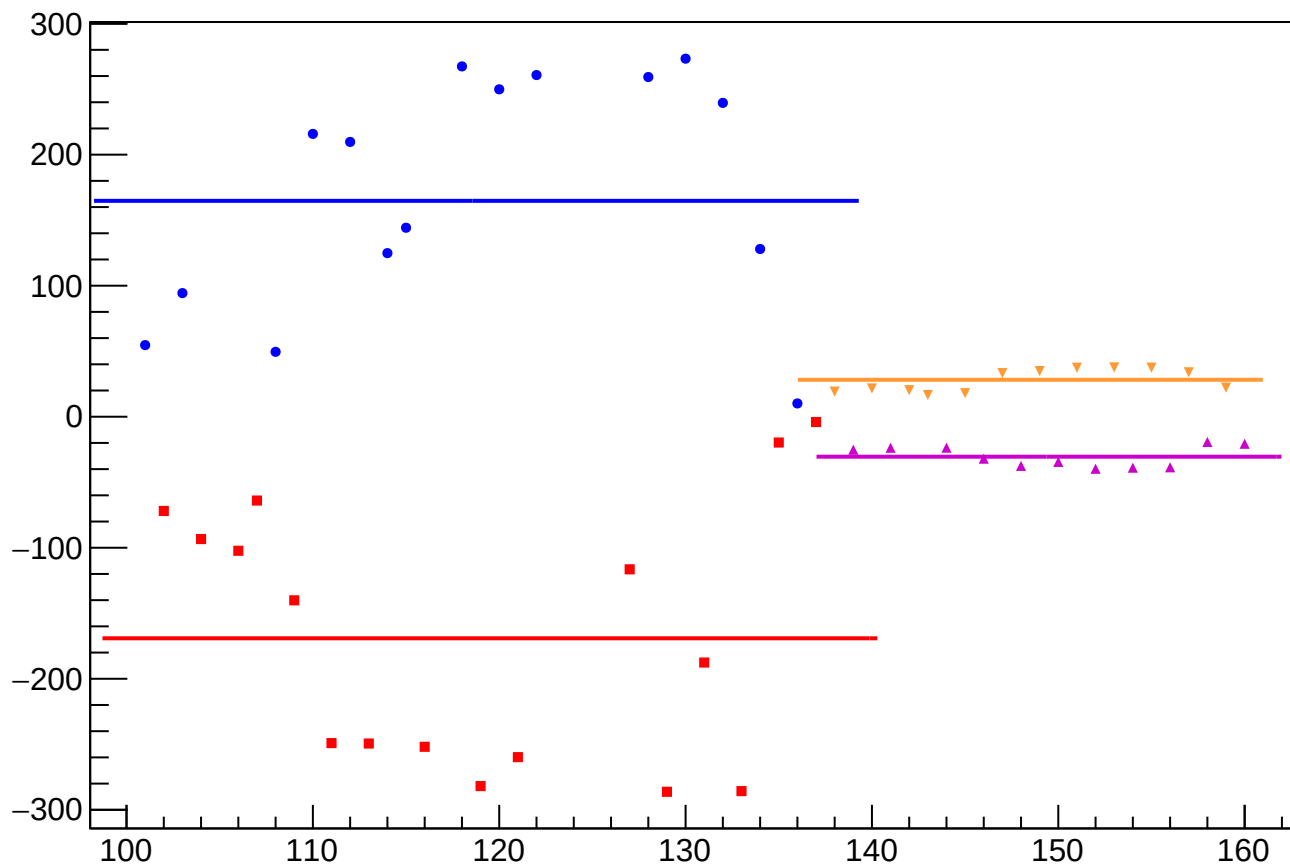
Right In: 82.422+/-0.000 χ^2/NDF : 1263633347129443757477527241185296384.0/14
 Left Out: 77.927+/-0.000 χ^2/NDF : 108816585289567770159719515210907648.0/11
 Right Out: -77.430+/-0.000 χ^2/NDF : 1515456409368458038568290276111024128.0/15
 Left In: -82.361+/-0.000 χ^2/NDF : 88160536769186096496846966890692608.0/10
 All: -0.961+/-0.000 χ^2/NDF : 2319921906530

dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected



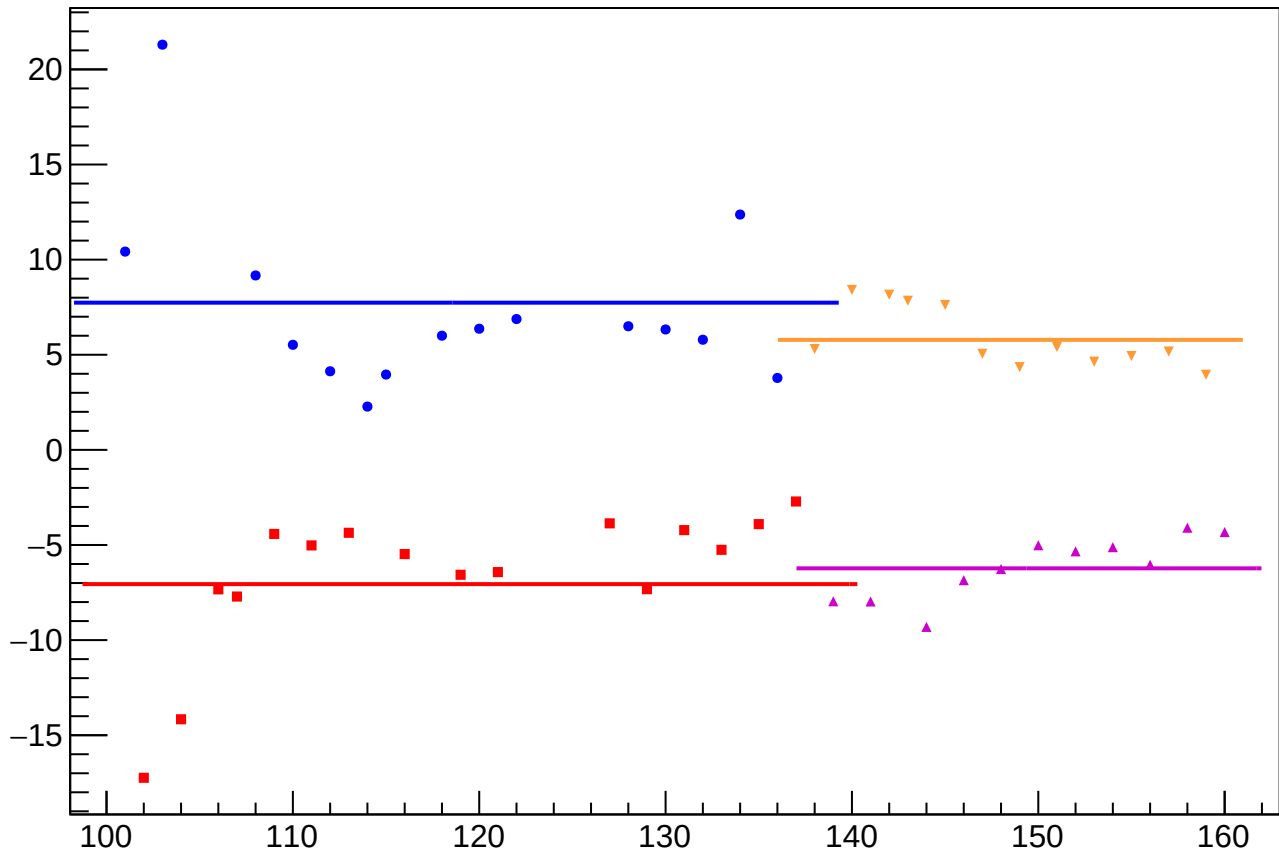
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_4aX_coil7_mean vs Slug, Sign Corrected



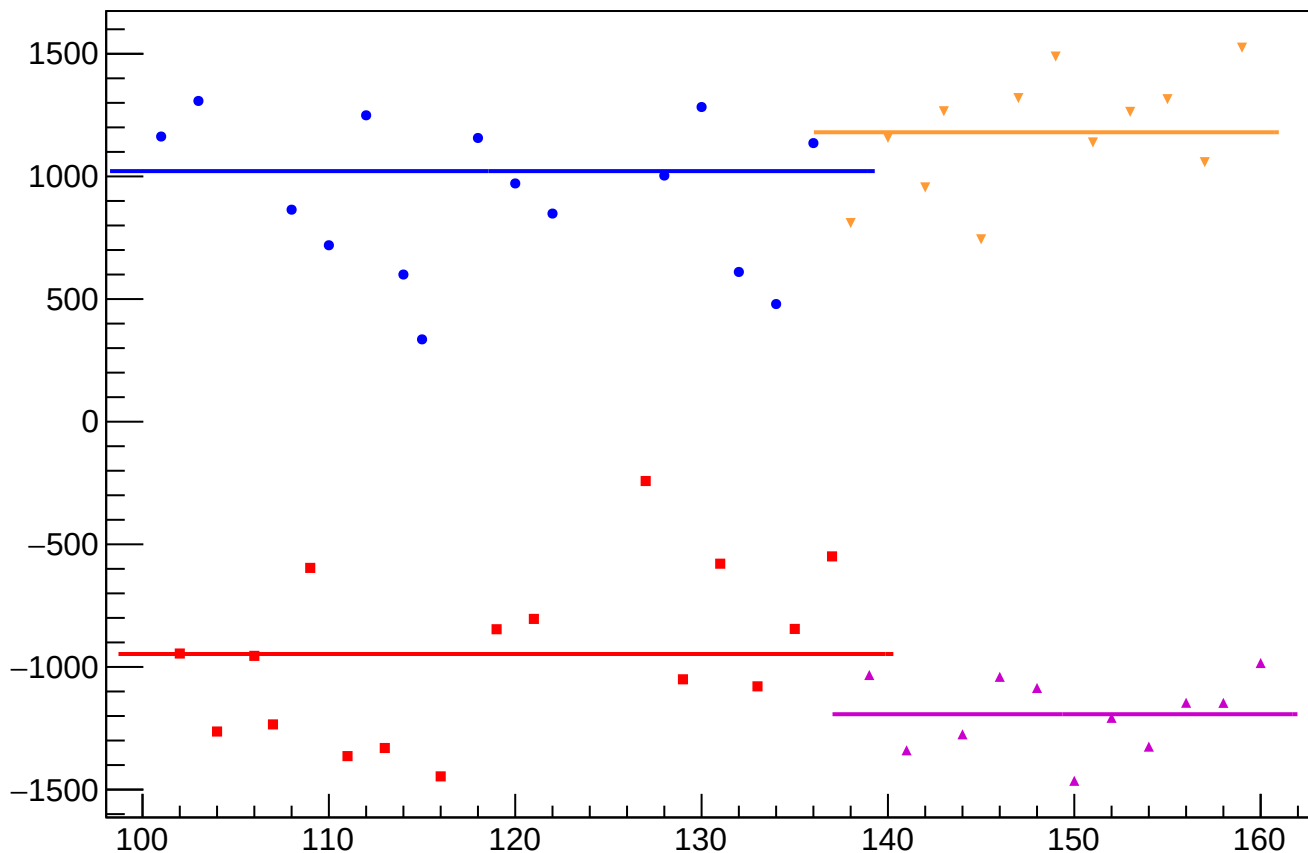
Left: -1.317 ± 0.000 $\chi^2/\text{NDF}: 16978934081589781$
 Right In: 164.752 ± 0.000 $\chi^2/\text{NDF}: 6369828943181833917425699916554960896.0/14$
 Left Out: 28.192 ± 0.000 $\chi^2/\text{NDF}: 62073928949862768083975059378536448.0/11$
 Right Out: -169.108 ± 0.000 $\chi^2/\text{NDF}: 6040721802042936822766910687819071488.0/15$
 In: 50.054 ± 0.000 $\chi^2/\text{NDF}: 209572439496556085$
 Out: -55.045 ± 0.000 $\chi^2/\text{NDF}: 2111323920107624$
 Left In: -30.507 ± 0.000 $\chi^2/\text{NDF}: 52600700148274049801586699671699456.0/10$
 All: -2.629 ± 0.000 $\chi^2/\text{NDF}: 5078015592202$

dit_4aX_coil7_err_mean vs Slug, Sign Corrected



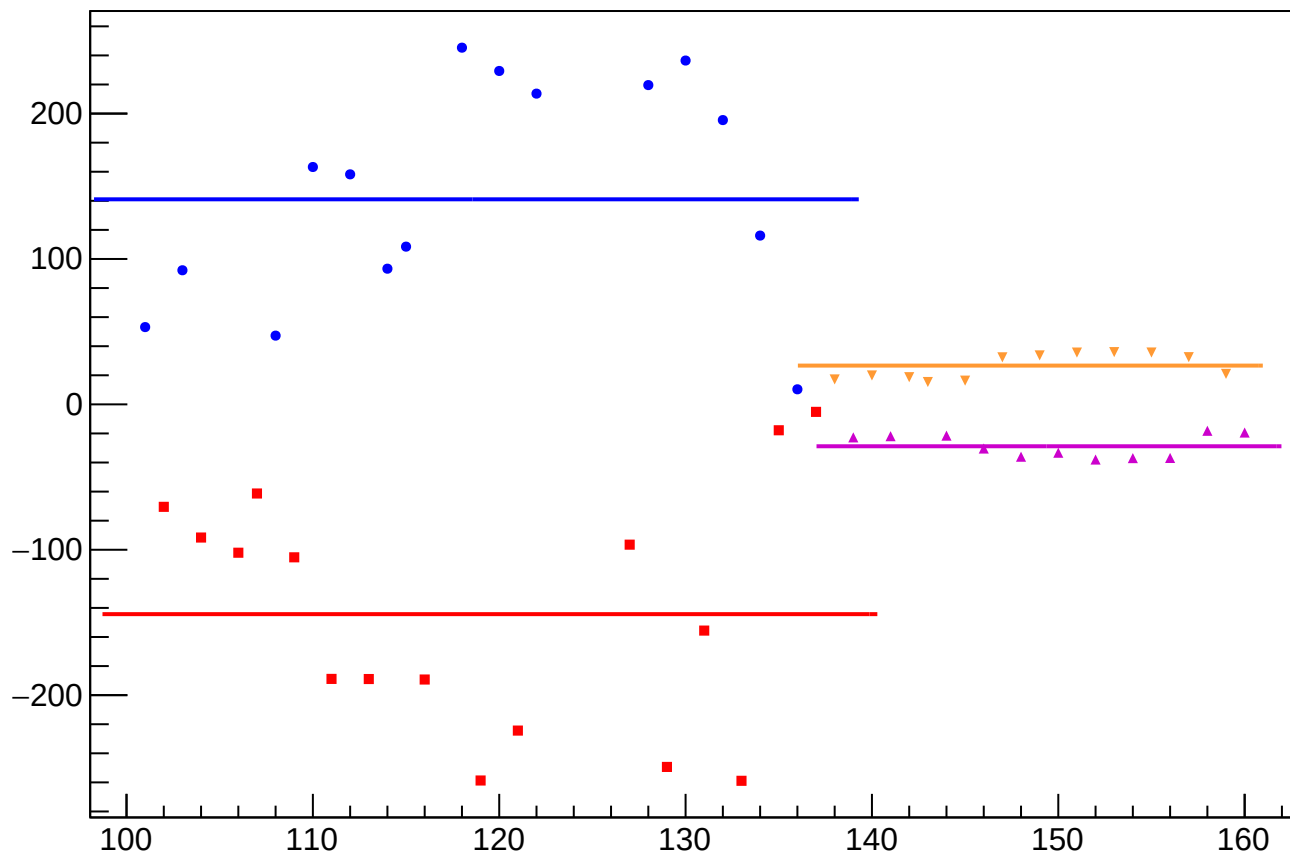
Right In: 7.738 $\pm$ 0.000 χ^2 /NDF: 15127215479234506007469492768079872.0/14
 Left Out: 5.783 $\pm$ 0.000 χ^2 /NDF: 2082103650411209995862519006101504.0/11
 Right Out: -7.057 $\pm$ 0.000 χ^2 /NDF: 11292441204139394792341242753581056.0/15
 Left In: -6.228 $\pm$ 0.000 χ^2 /NDF: 2331911751655733809355489024147456.0/10
 All: -0.049 $\pm$ 0.000 χ^2 /NDF: 1693113496789

dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected



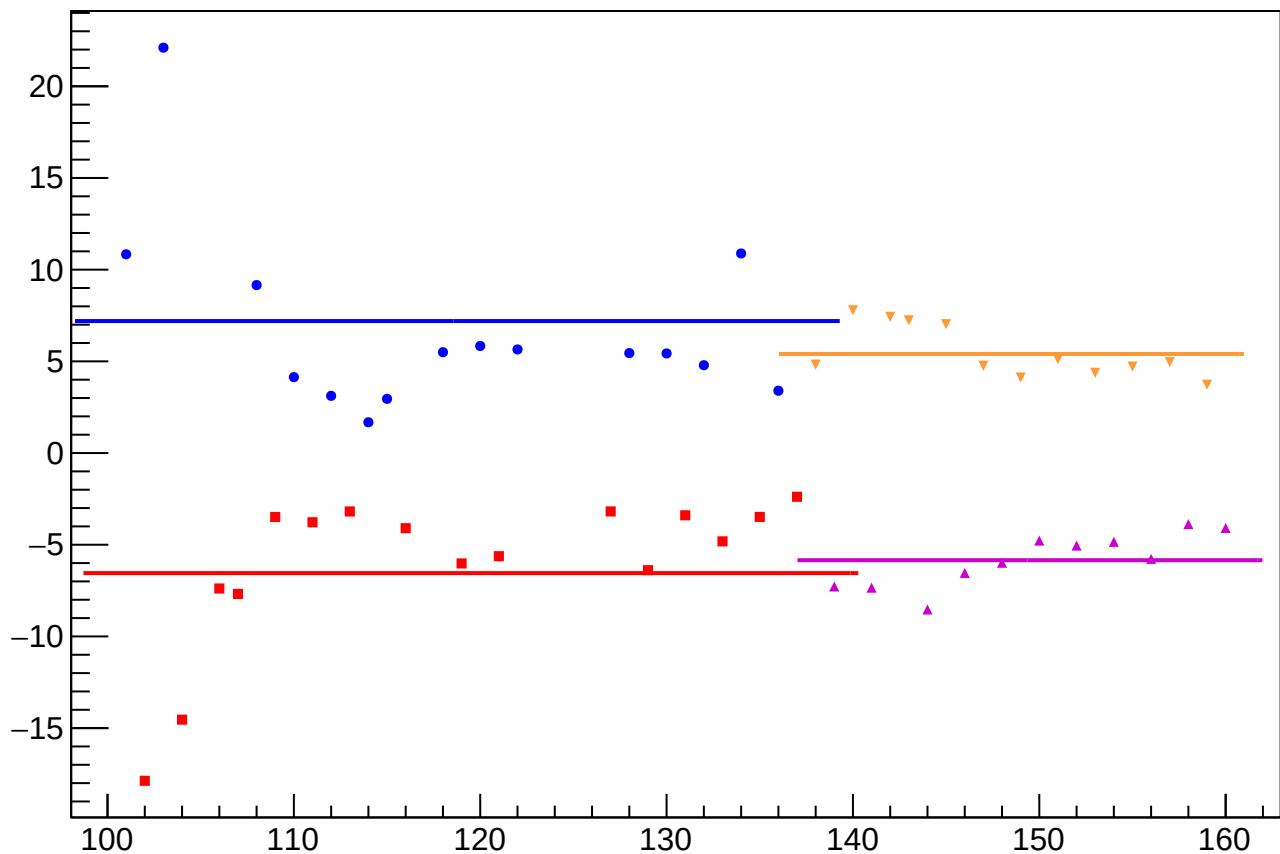
Right In: 1021.684+/-0.000	χ^2/NDF : 40493101470870278397836276403592495104.0/14	Left: -12.747+/-0.000	χ^2/NDF : 2657013306605046
Left Out: 1180.103+/-0.000	χ^2/NDF : 50788606804690292724539730503787347968.0/11	Right: 23.805+/-0.000	χ^2/NDF : 1383338523153511
Right Out: -947.145+/-0.000	χ^2/NDF : 67784656011936521511169668028018196480.0/15	In: -279.065+/-0.000	χ^2/NDF : 1929090788254319
Left In: -1192.687+/-0.000	χ^2/NDF : 19255287383728205662654022867381911552.0/10	Out: 282.649+/-0.000	χ^2/NDF : 1863497273761245
	All: 2.504+/-0.000	χ^2/NDF : 40413764320356	

dit_4eX_coil7_mean vs Slug, Sign Corrected



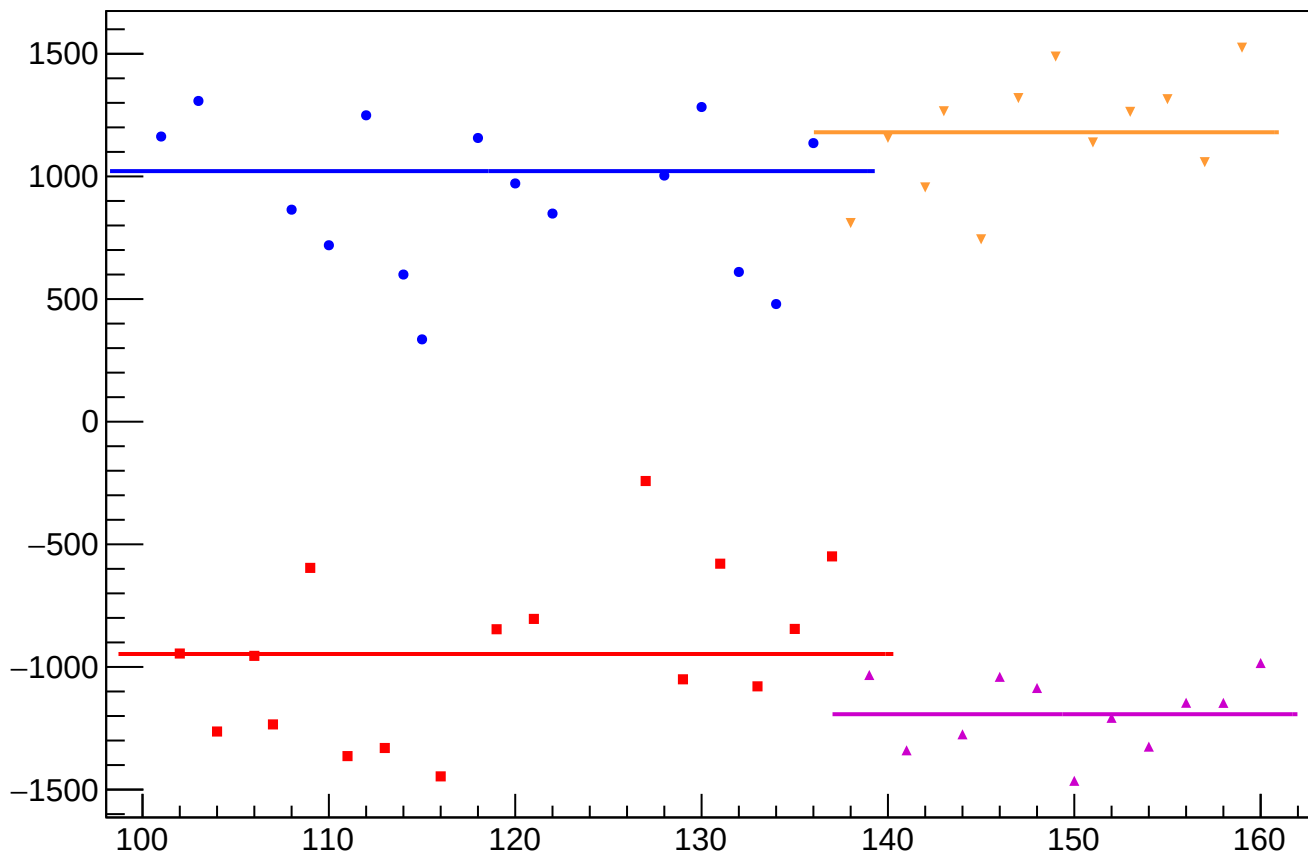
Left: -1.225 ± 0.000 $\chi^2/\text{NDF}: 15294237123103654$
 Right In: 141.032 ± 0.000 $\chi^2/\text{NDF}: 4507992585512923332587415612245934080.0/14$
 Right: -3.577 ± 0.000 $\chi^2/\text{NDF}: 3555338643006251$
 Left Out: 26.669 ± 0.000 $\chi^2/\text{NDF}: 62522343114115856238629096966324224.0/11$
 In: 41.261 ± 0.000 $\chi^2/\text{NDF}: 155582029133540229$
 Right Out: -144.283 ± 0.000 $\chi^2/\text{NDF}: 4268333571517740886065361663928827904.0/15$
 Out: -45.453 ± 0.000 $\chi^2/\text{NDF}: 1559993230161443$
 Left In: -28.817 ± 0.000 $\chi^2/\text{NDF}: 52309797532132393990553277307027456.0/10$
 All: -2.206 ± 0.000 $\chi^2/\text{NDF}: 3708705323759$

dit_4eX_coil7_err_mean vs Slug, Sign Corrected



Right In: 7.198 $\pm$ 0.000 χ^2 /NDF: 18212640728502785337831966963138560.0/14
 Left Out: 5.404 $\pm$ 0.000 χ^2 /NDF: 1657476673222734549536062415306752.0/11
 Right Out: -6.547 $\pm$ 0.000 χ^2 /NDF: 14078912505116068936230809834094592.0/15
 Left In: -5.843 $\pm$ 0.000 χ^2 /NDF: 1832786837102707862400537806766080.0/10
 All: -0.049 $\pm$ 0.000 χ^2 /NDF: 1562270252344

dit_4eX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

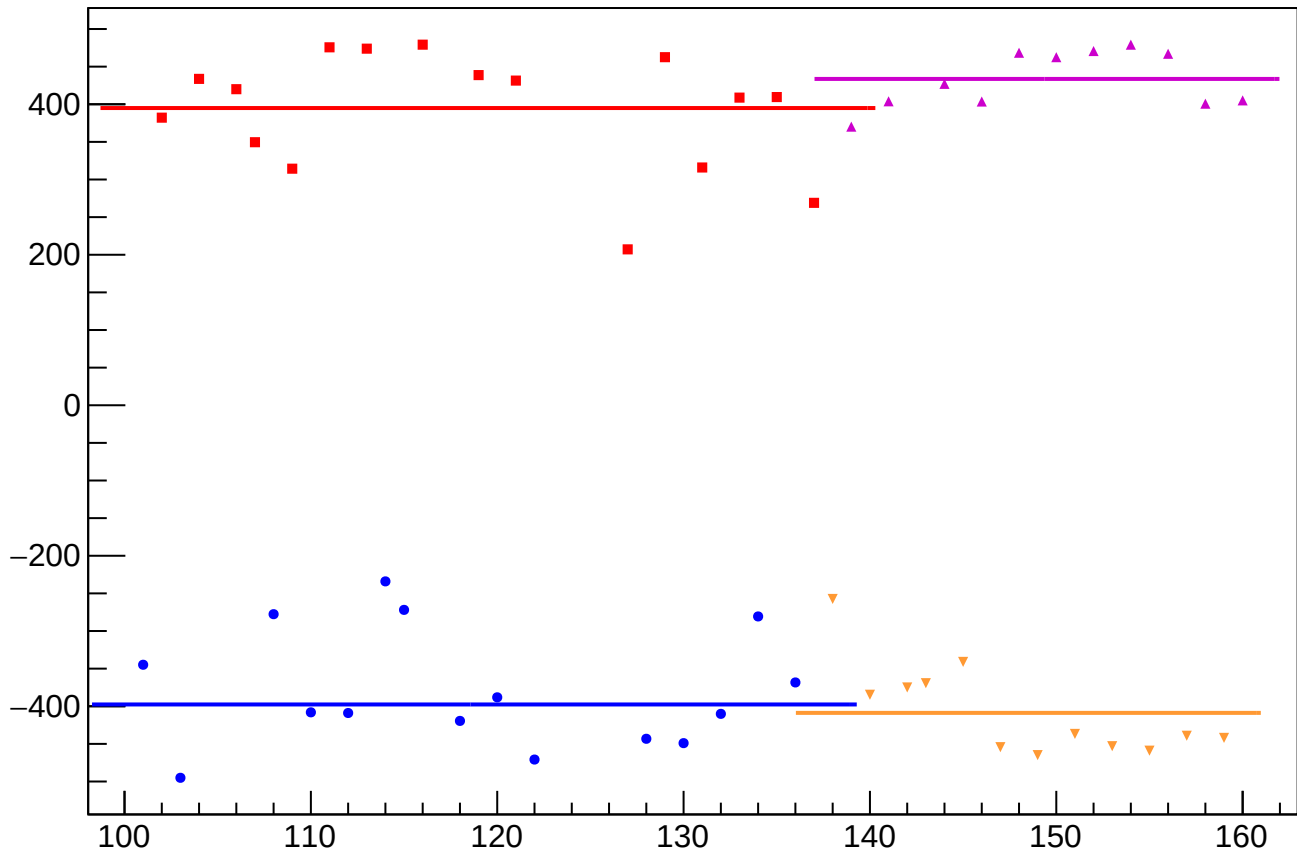
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_11X12X_coil7_mean vs Slug, Sign Corrected



Right In: -397.613+/-0.000

Left Out: -408.794+/-0.000

Right Out: 394.973+/-0.000

Left In: 433.664+/-0.000

χ^2/NDF : 2661280785384633207096106229474263040.0/14

χ^2/NDF : 3366573213961692909439105040404971520.0/11

χ^2/NDF : 3685595513427183501596165280874102784.0/15

χ^2/NDF : 1198237421385461104687495484599697408.0/10

Left: 14.727+/-0.000 χ^2/NDF : 3306788770143985

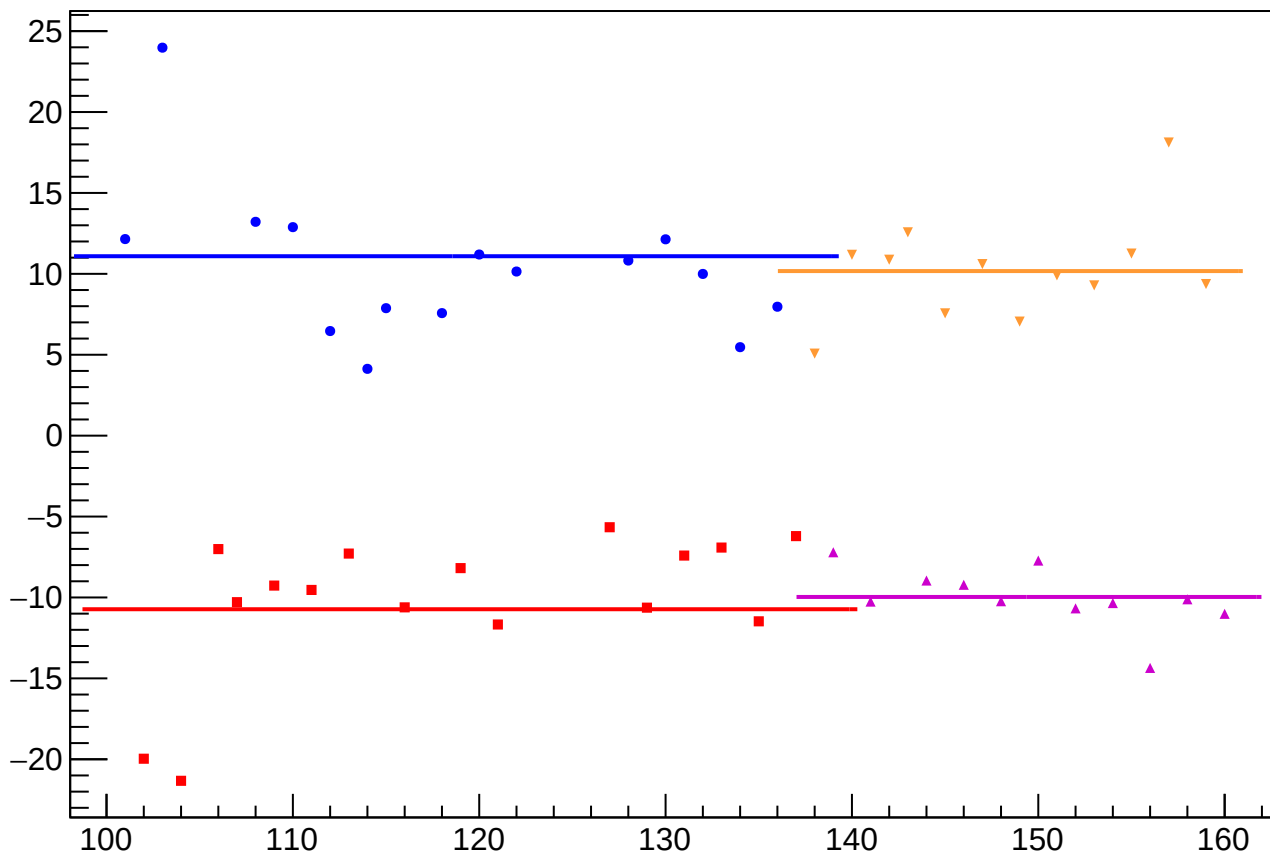
Right: 4.100+/-0.000 χ^2/NDF : 21298342988437283

In: 90.690+/-0.000 χ^2/NDF : 267298439260479340

Out: -69.697+/-0.000 χ^2/NDF : 2561673028781217

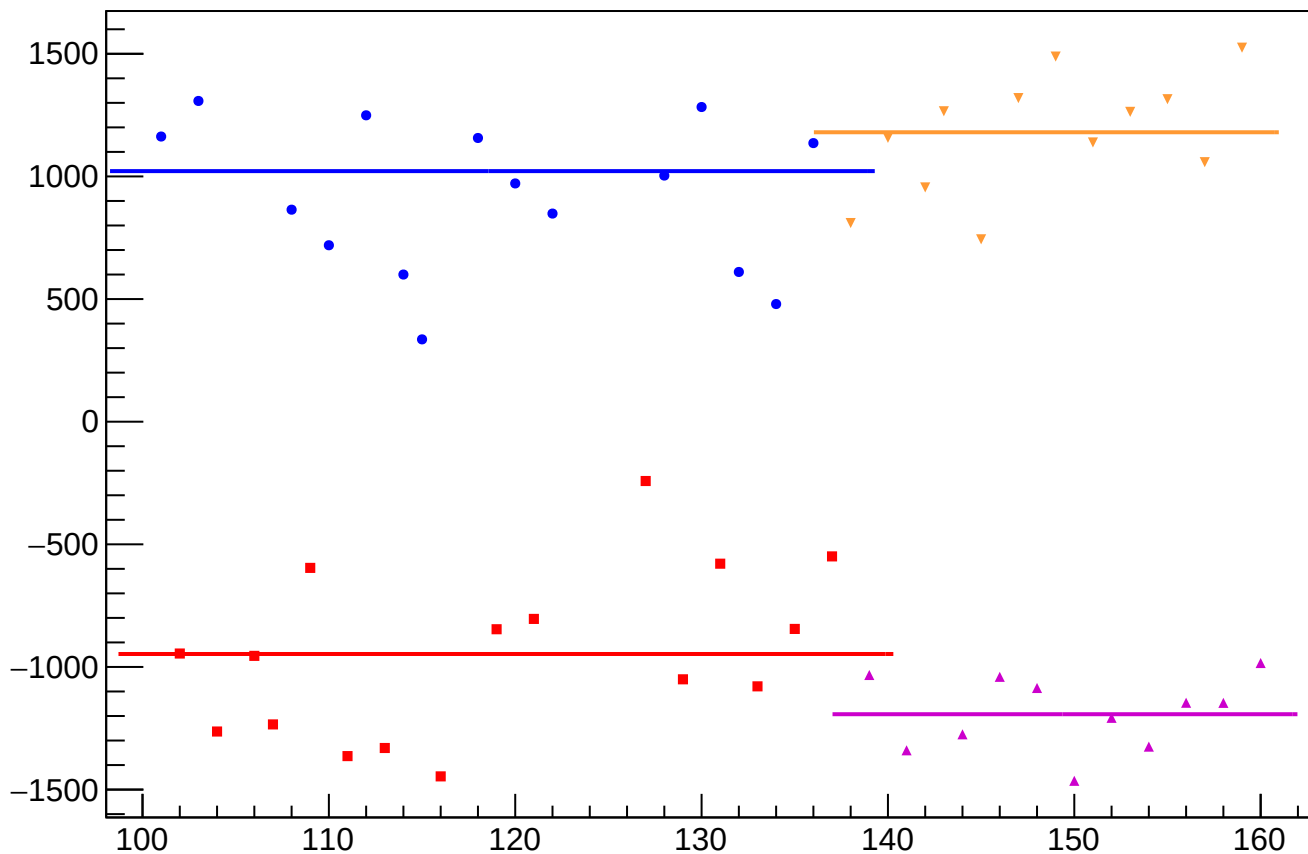
All: 10.293+/-0.000 χ^2/NDF : 5437489116587

dit_11X12X_coil7_err_mean vs Slug, Sign Corrected



Right In: 11.089 ± 0.000 $\chi^2/\text{NDF}: 14235991122014984478163351266918400.0/14$
 Left Out: 10.171 ± 0.000 $\chi^2/\text{NDF}: 9089684940831859823552687731900416.0/11$
 Right Out: -10.728 ± 0.000 $\chi^2/\text{NDF}: 14767238290725260908081124437131264.0/15$
 Left In: -9.968 ± 0.000 $\chi^2/\text{NDF}: 2905664542402179840795878184976384.0/10$
 All: 0.040 ± 0.000 $\chi^2/\text{NDF}: 38392284563118$

dit_11X12X_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

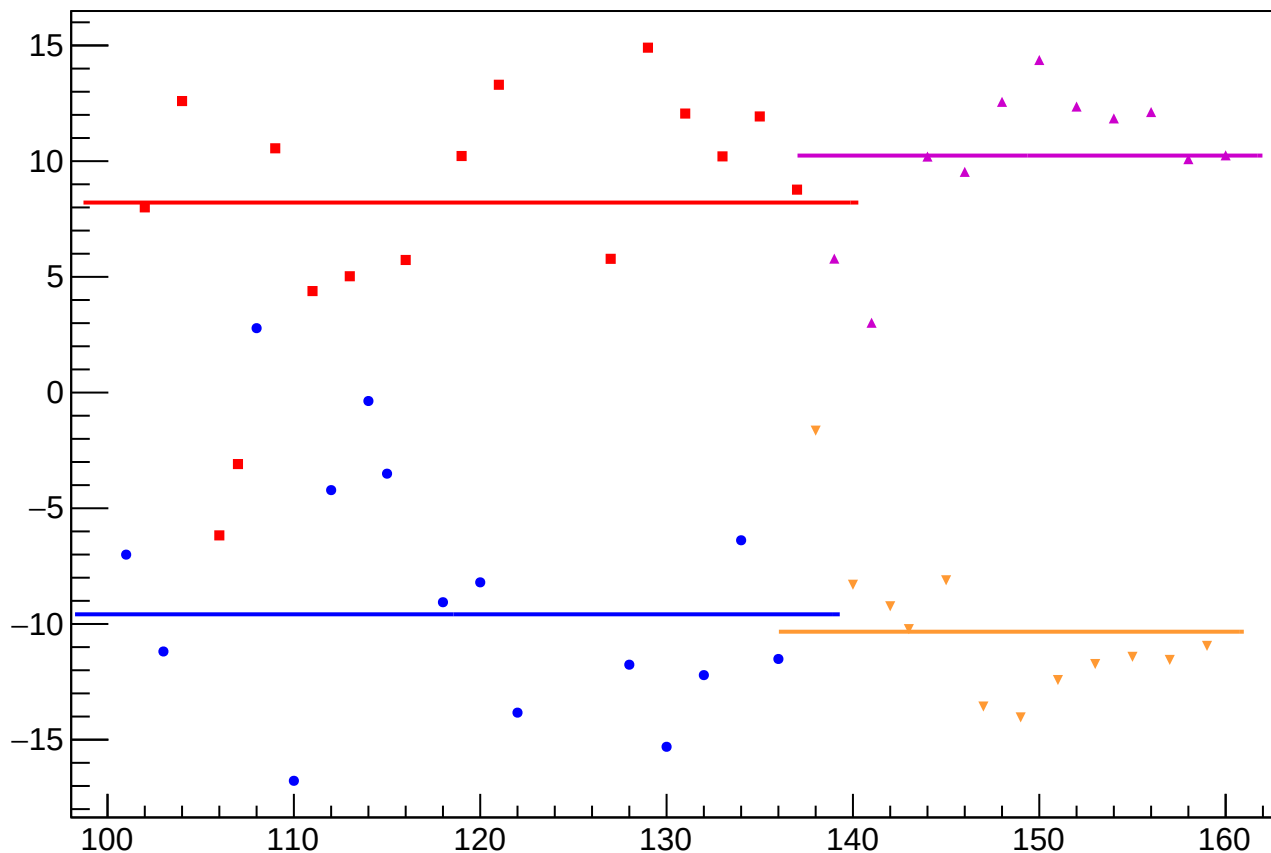
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

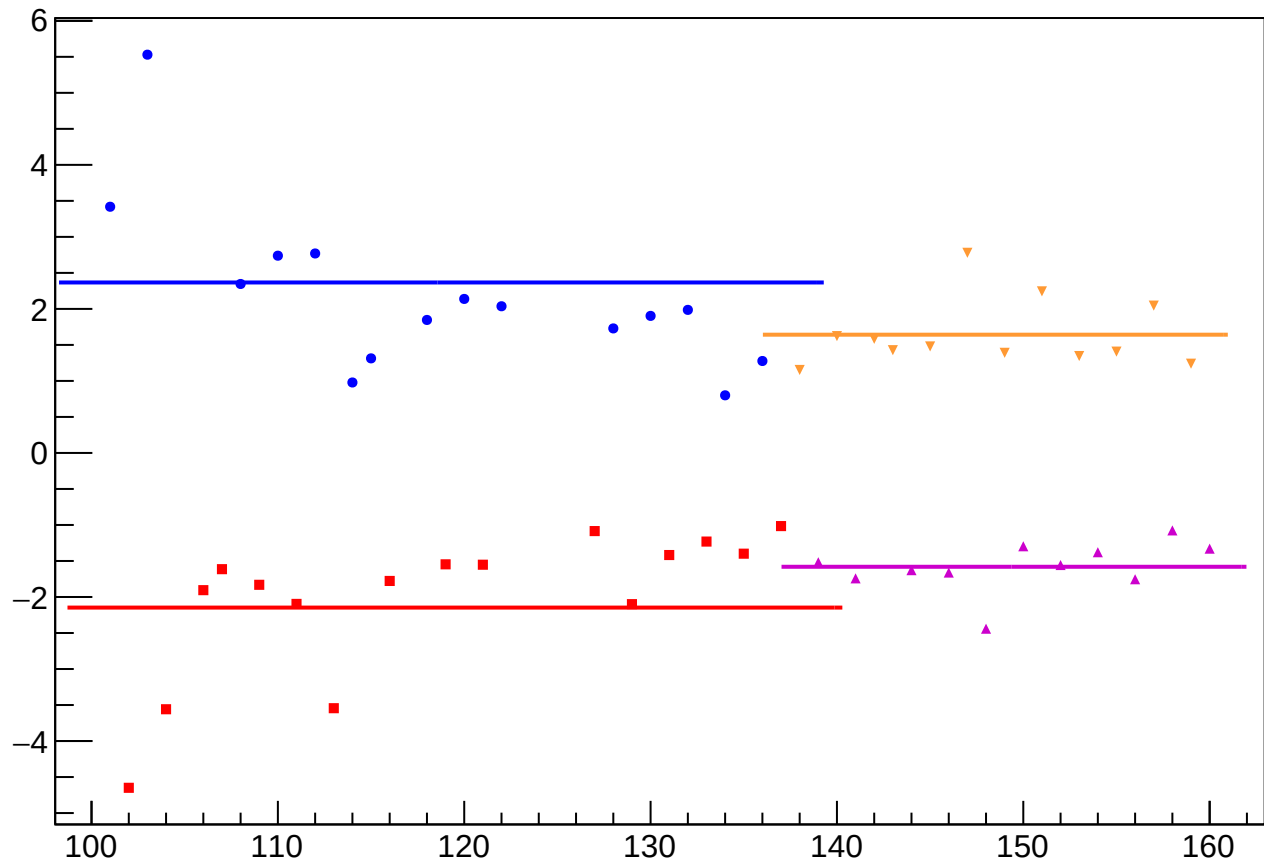
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4aY_coil7_mean vs Slug, Sign Corrected



Right In: -9.582 ± 0.000 $\chi^2/\text{NDF}: 14702679983940002820806471963377664.0/14$
 Left Out: -10.333 ± 0.000 $\chi^2/\text{NDF}: 9377692425026365375047041474887680.0/11$
 Right Out: 8.211 ± 0.000 $\chi^2/\text{NDF}: 18304237293835961465605754204454912.0/15$
 Left In: 10.241 ± 0.000 $\chi^2/\text{NDF}: 8992829088408430483485977772818432.0/10$
 All: -0.229 ± 0.000 $\chi^2/\text{NDF}: 3502860386482$

dit_4aY_coil7_err_mean vs Slug, Sign Corrected



Right In: 2.367+/-0.000

χ^2/NDF : 920633294546152876922066767446016.0/14

Left Out: 1.642+/-0.000

χ^2/NDF : 195842148226043527039909915262976.0/11

Right Out: -2.147+/-0.000

χ^2/NDF : 764171992480224478656127555338240.0/15

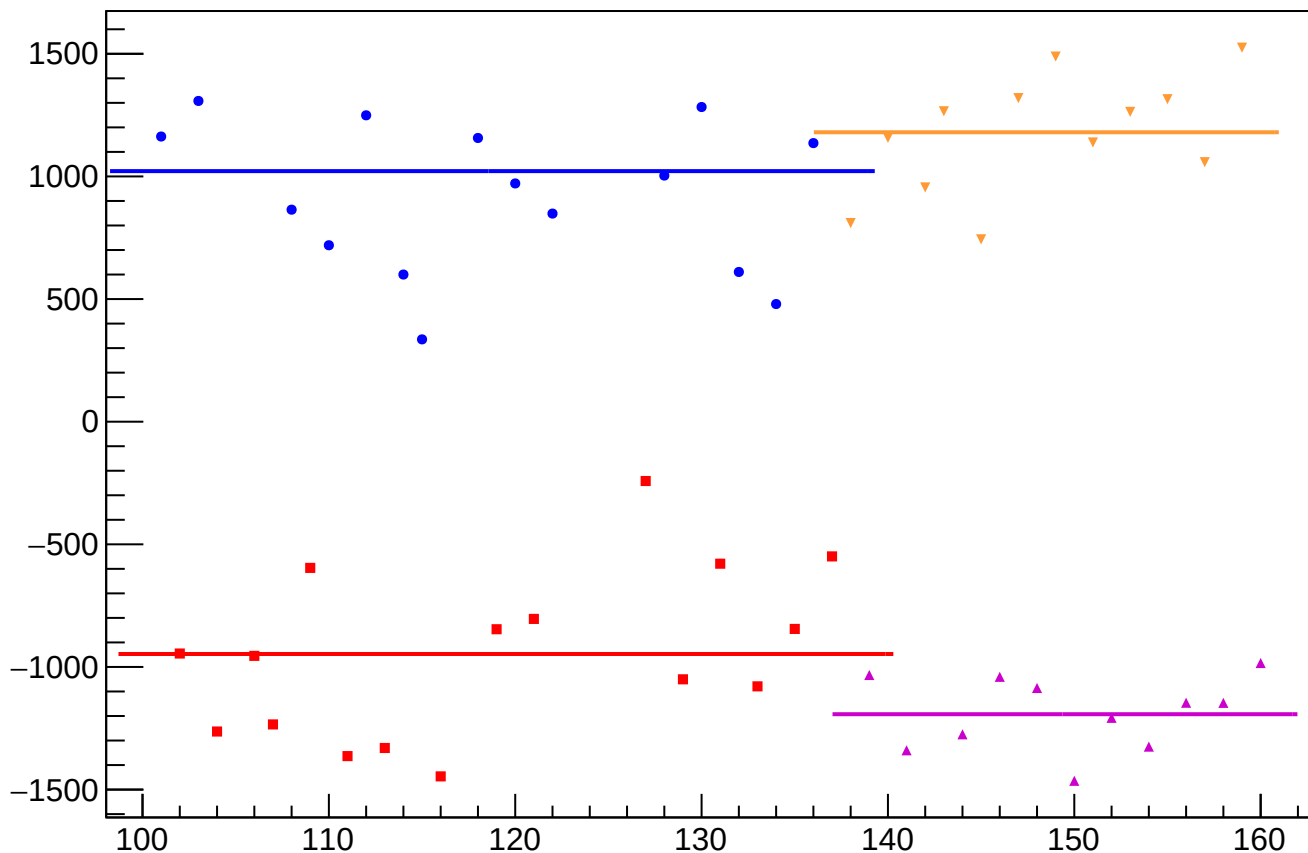
Left In: -1.580+/-0.000

χ^2/NDF : 104159820106689813353171792166912.0/10

All: 0.046+/-0.000

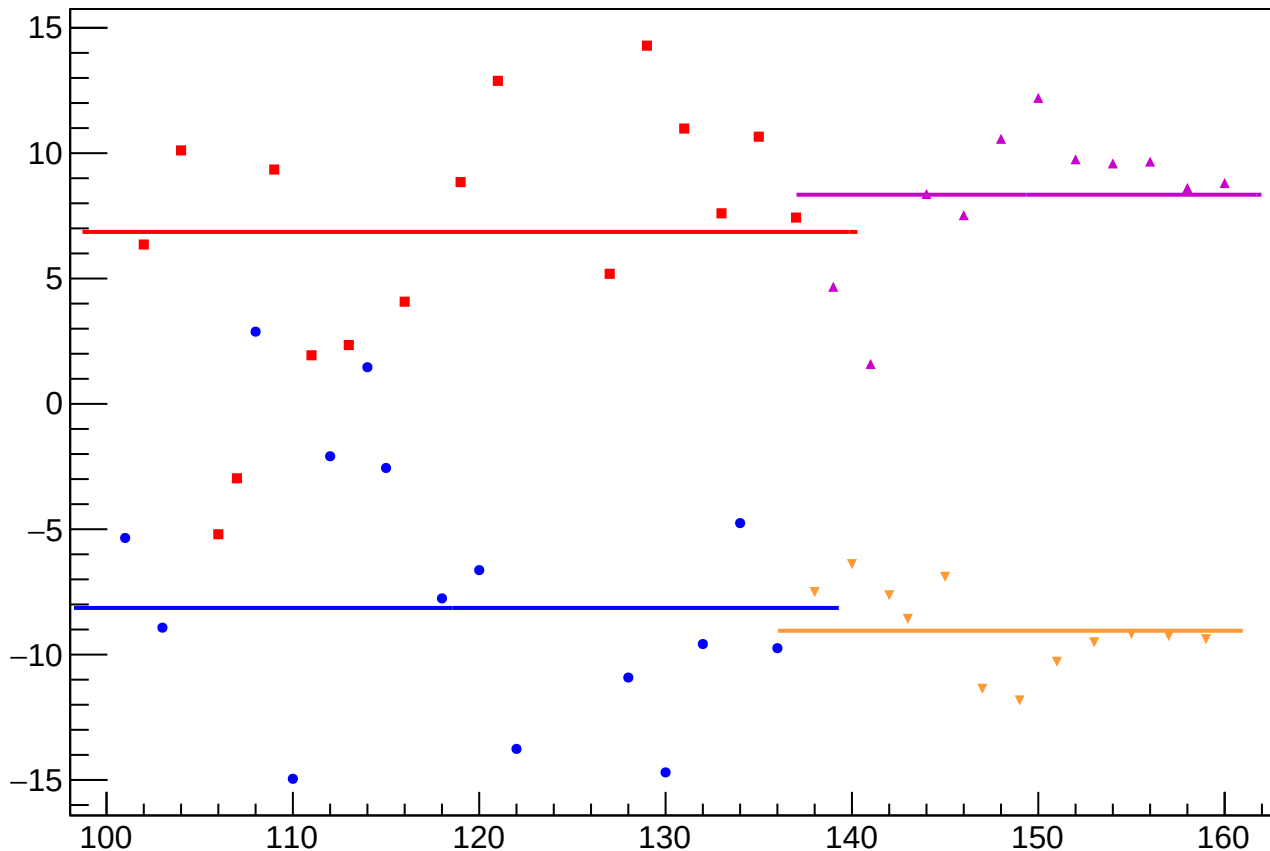
χ^2/NDF : 13461521258222

dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected



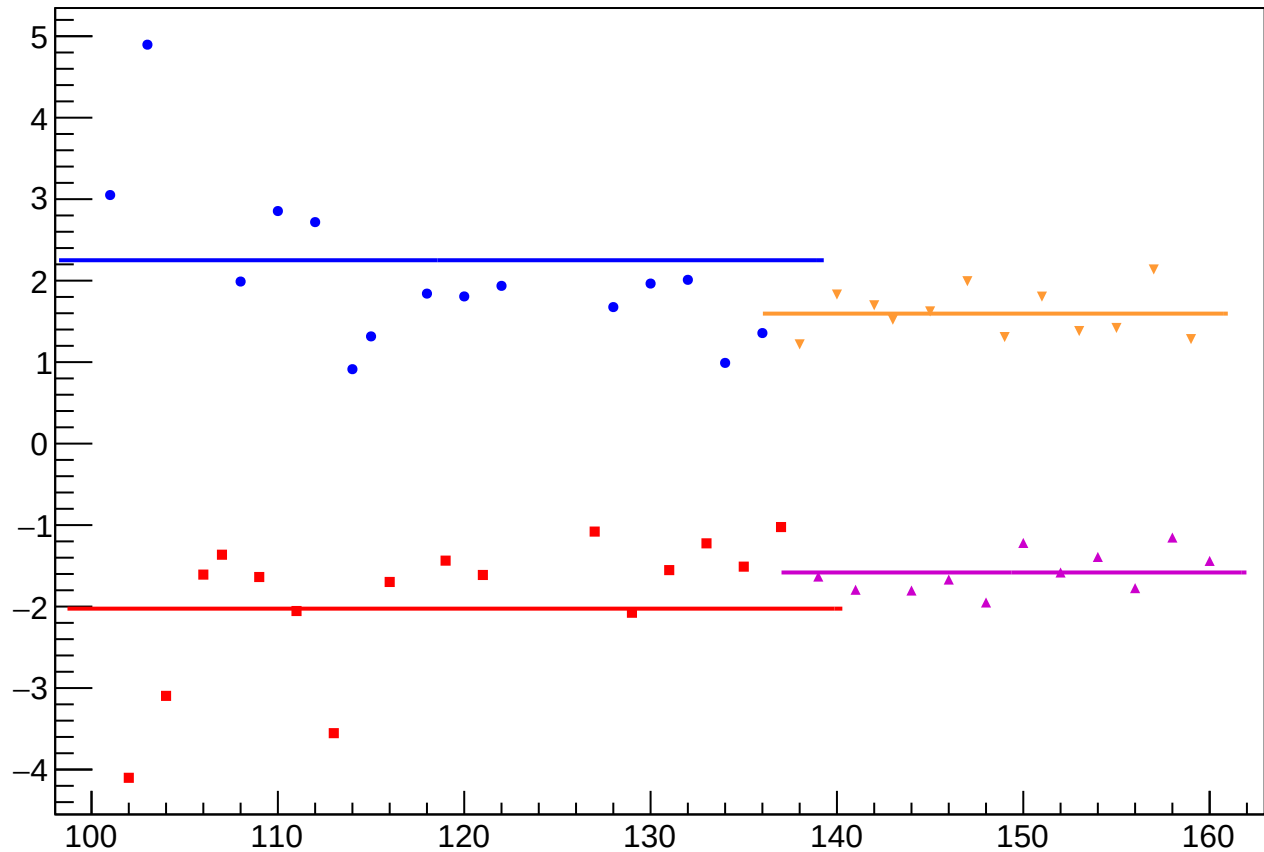
Right In: 1021.684+/-0.000	χ^2/NDF : 40493101470870278397836276403592495104.0/14	Left: -12.747+/-0.000	χ^2/NDF : 2657013306605046
Left Out: 1180.103+/-0.000	χ^2/NDF : 50788606804690292724539730503787347968.0/11	Right: 23.805+/-0.000	χ^2/NDF : 1383338523153511
Right Out: -947.145+/-0.000	χ^2/NDF : 67784656011936521511169668028018196480.0/15	In: -279.065+/-0.000	χ^2/NDF : 1929090788254319
Left In: -1192.687+/-0.000	χ^2/NDF : 19255287383728205662654022867381911552.0/10	Out: 282.649+/-0.000	χ^2/NDF : 1863497273761245
	All: 2.504+/-0.000	χ^2/NDF : 40413764320356	

dit_4eY_coil7_mean vs Slug, Sign Corrected



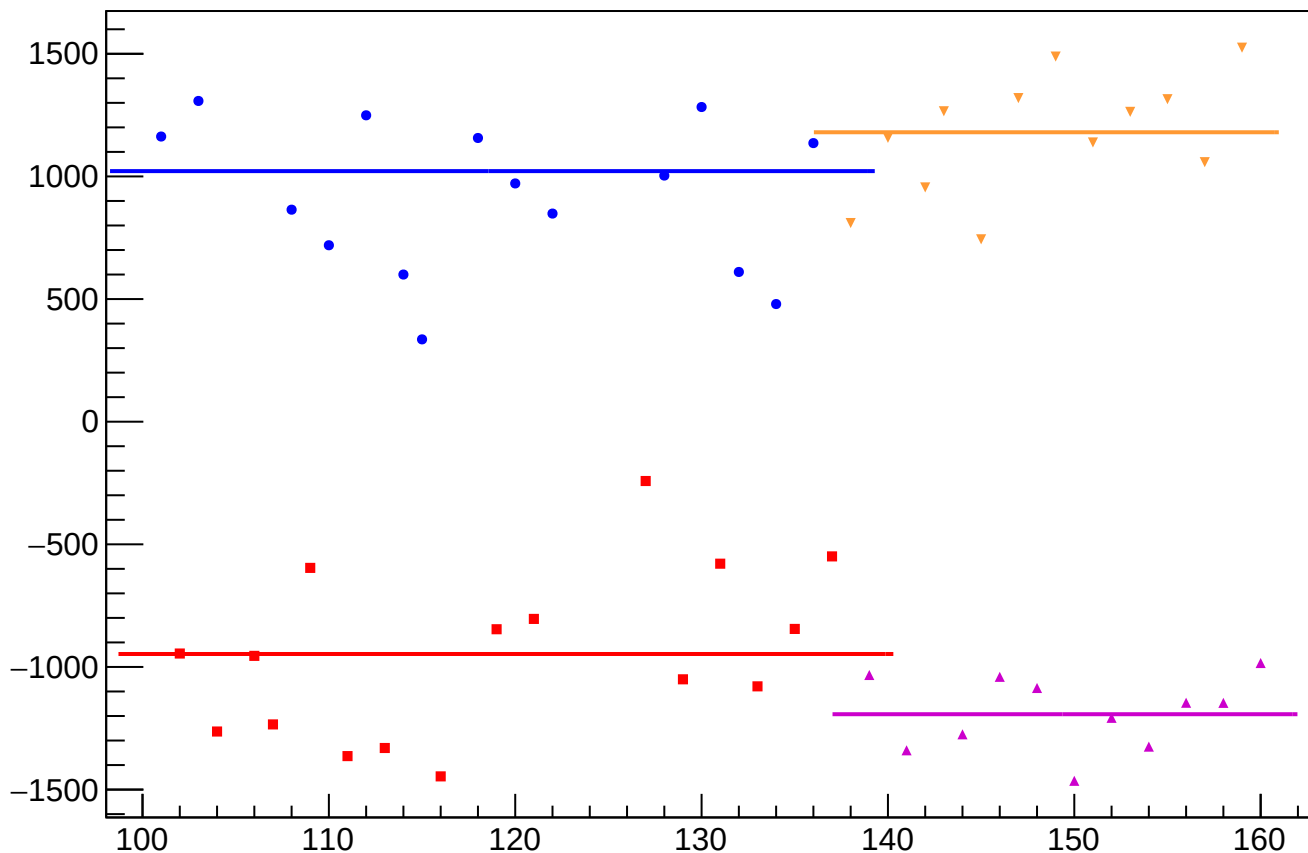
Right In: -8.139 ± 0.000 $\chi^2/\text{NDF}: 14676442649222120372533779893321728.0/14$
 Left Out: -9.049 ± 0.000 $\chi^2/\text{NDF}: 2449058506184839792133889501167616.0/11$
 Right Out: 6.859 ± 0.000 $\chi^2/\text{NDF}: 16483631561591790731352632153079808.0/15$
 Left In: 8.343 ± 0.000 $\chi^2/\text{NDF}: 7268690948063694771204756789526528.0/10$
 All: -0.402 ± 0.000 $\chi^2/\text{NDF}: 2538807042517$

dit_4eY_coil7_err_mean vs Slug, Sign Corrected



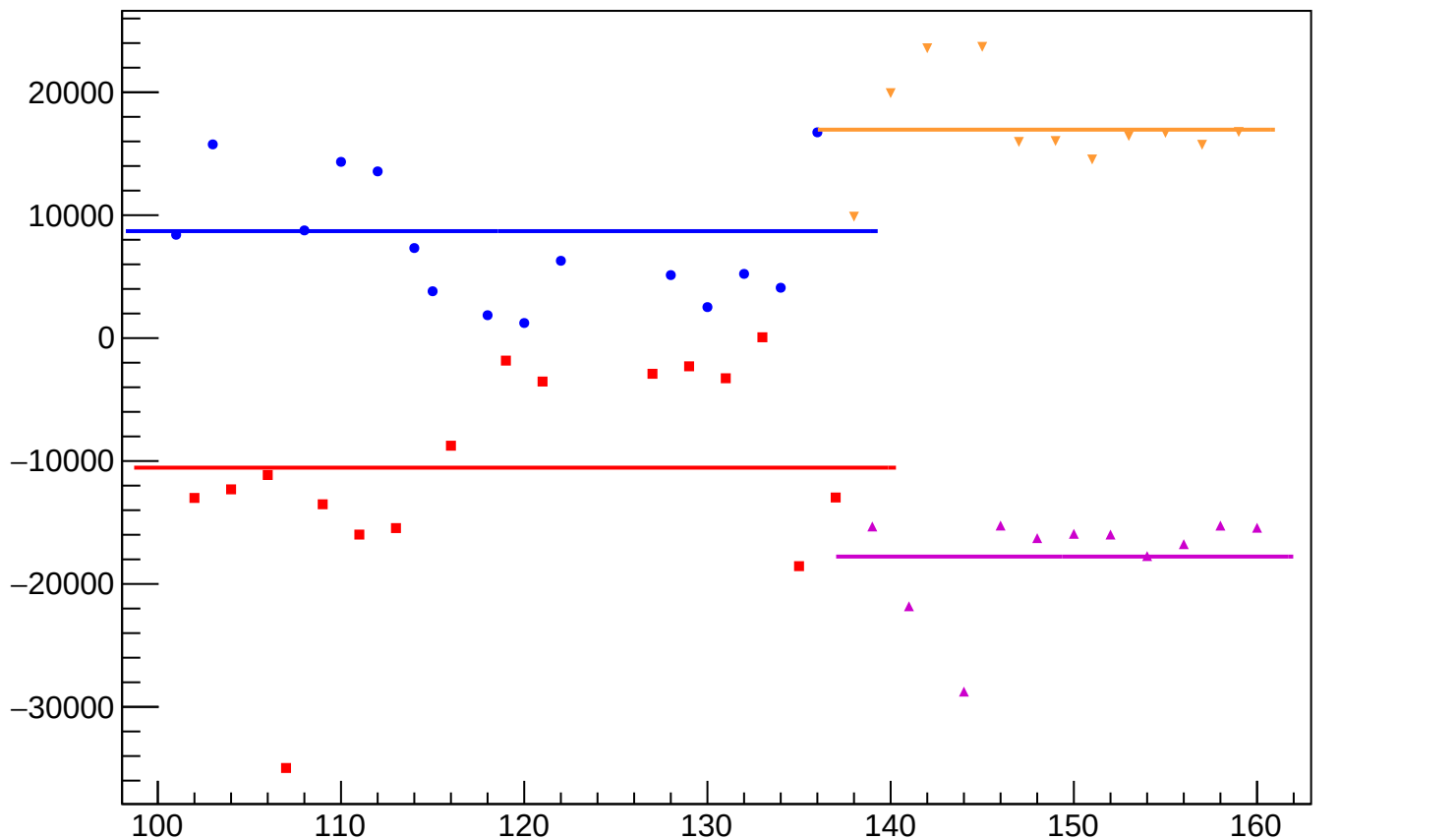
Right In: 2.250 ± 0.000 $\chi^2/\text{NDF}: 656774588136274816295442701090816.0/14$
 Left Out: 1.595 ± 0.000 $\chi^2/\text{NDF}: 76549213292208781148545230045184.0/11$
 Right Out: -2.025 ± 0.000 $\chi^2/\text{NDF}: 578717441762956454616505599918080.0/15$
 Left In: -1.582 ± 0.000 $\chi^2/\text{NDF}: 54930988145763434904897999339520.0/10$
 All: 0.034 ± 0.000 $\chi^2/\text{NDF}: 12024014402929$

dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected



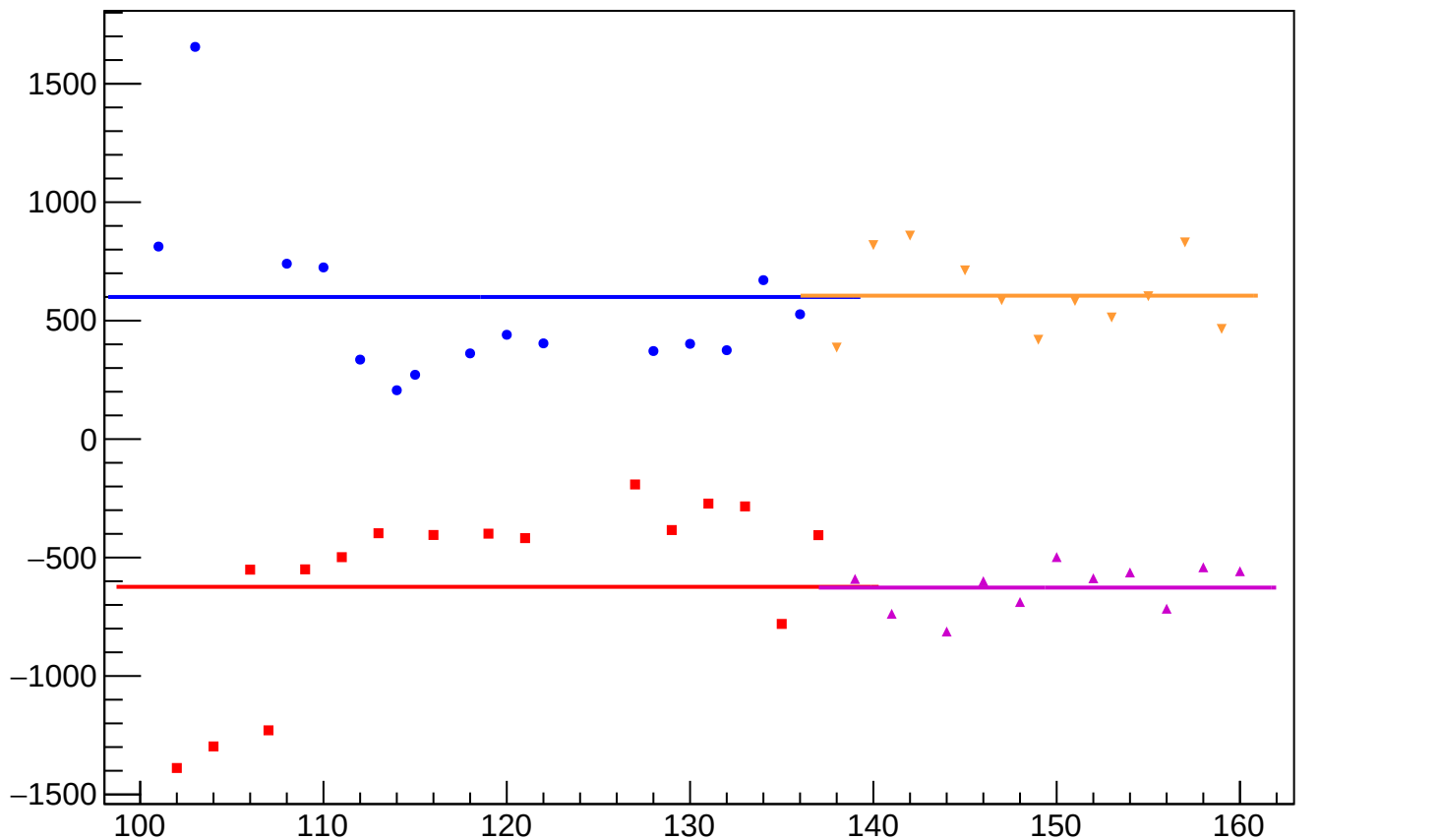
Left: -12.747 +/- 0.000 χ^2/NDF : 2657013306605046
 Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Right: 23.805 +/- 0.000 χ^2/NDF : 1383338523153511
 Left Out: 1180.103 +/- 0.000 χ^2/NDF : 50788606804690292724539730503787347968.0/11
 In: -279.065 +/- 0.000 χ^2/NDF : 1929090788254319
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Out: 282.649 +/- 0.000 χ^2/NDF : 1863497273761245
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 19255287383728205662654022867381911552.0/10
 All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_usl_coil7_mean vs Slug, Sign Corrected



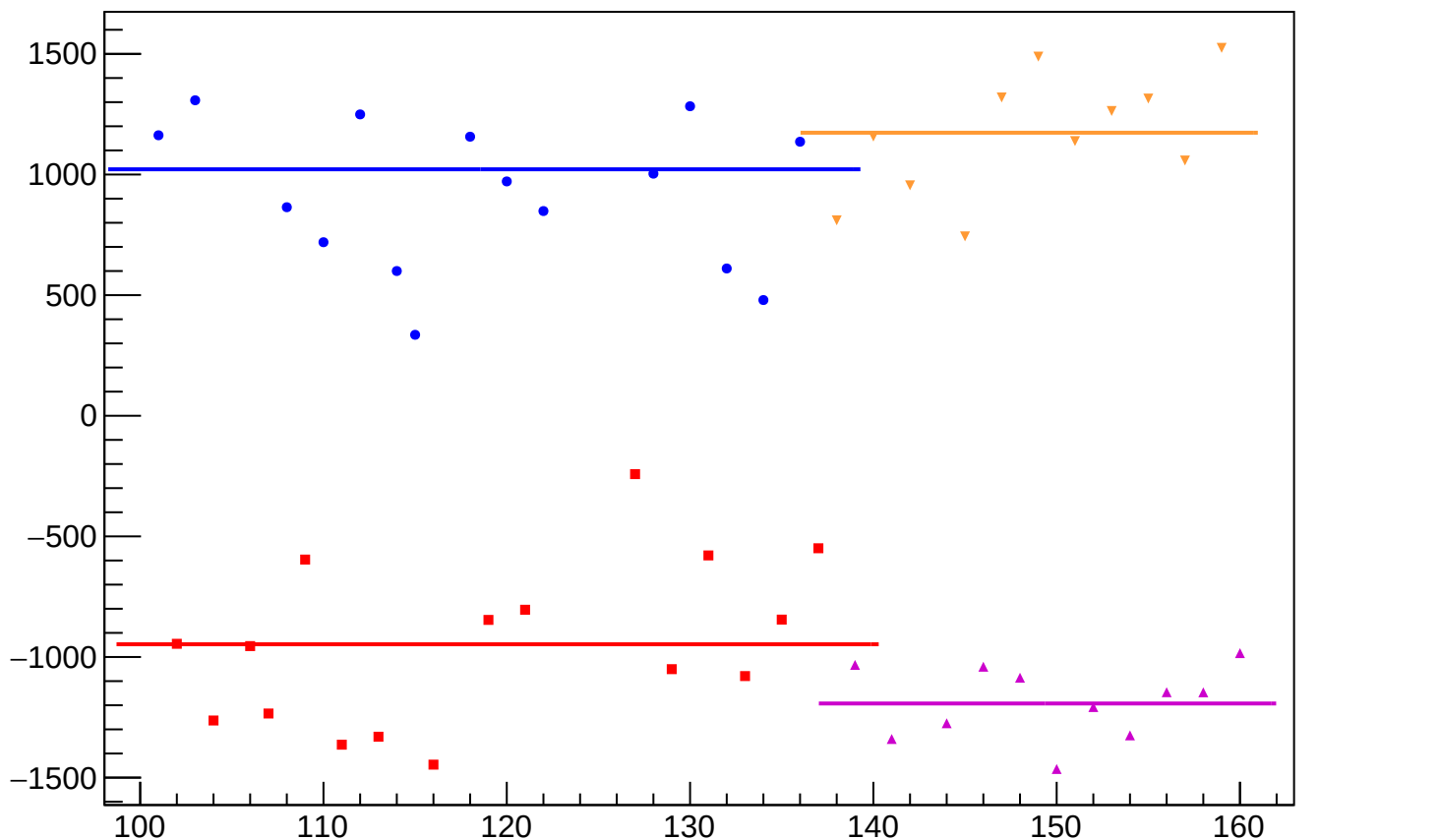
Left: -1162.779 +/- 0.000 χ^2/NDF : 55890843498990
 Right In: 8703.332 +/- 0.000 χ^2/NDF : 19501133067308426859536304500819191922688.0/14
 Right: -1049.596 +/- 0.000 χ^2/NDF : 1875271262832
 Left Out: 16957.575 +/- 0.000 χ^2/NDF : 10938008625550561770285254297697243889664.0/10
 In: -6849.259 +/- 0.000 χ^2/NDF : 301670600144202
 Right Out: -10539.327 +/- 0.000 χ^2/NDF : 46226684227836109273394062569753758662656.0/15
 Out: 4843.682 +/- 0.000 χ^2/NDF : 339295749801159
 Left In: -17773.103 +/- 0.000 χ^2/NDF : 14926066991142889452676587552618632445952.0/10
 All: -1114.529 +/- 0.000 χ^2/NDF : 7464452329

dit_usl_coil7_err_mean vs Slug, Sign Corrected



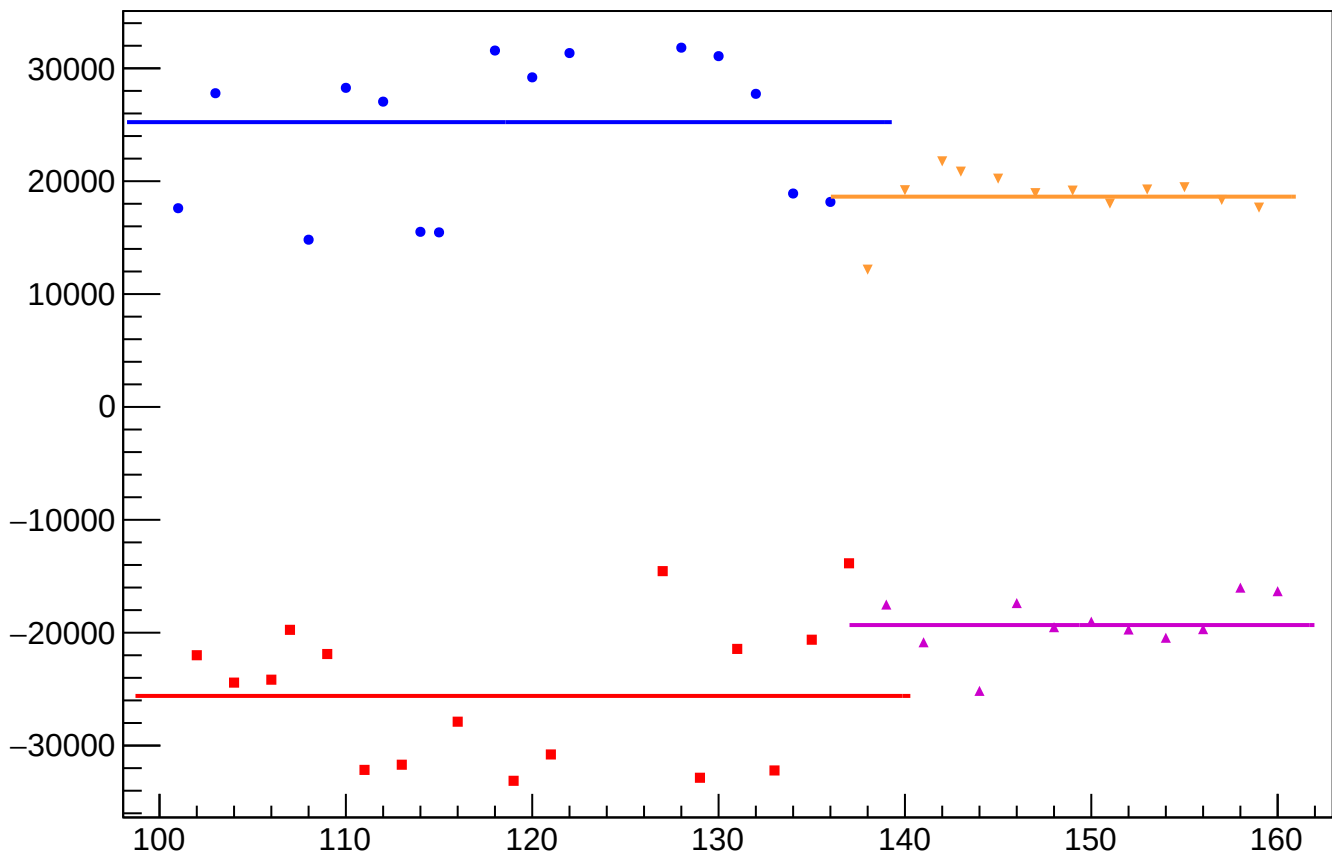
Right In: 599.849+/-0.000 χ^2/NDF : 89258961100373244309337208715638472704.0/14
 Left Out: 605.454+/-0.000 χ^2/NDF : 20600036696576889686488913862706855936.0/10
 Right Out: -623.569+/-0.000 χ^2/NDF : 101448845479297603044152618126879490048.0/15
 Left In: -626.785+/-0.000 χ^2/NDF : 8170989429665370050254275774703992832.0/10
 All: -30.110+/-0.000 χ^2/NDF : 138304886705

dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected



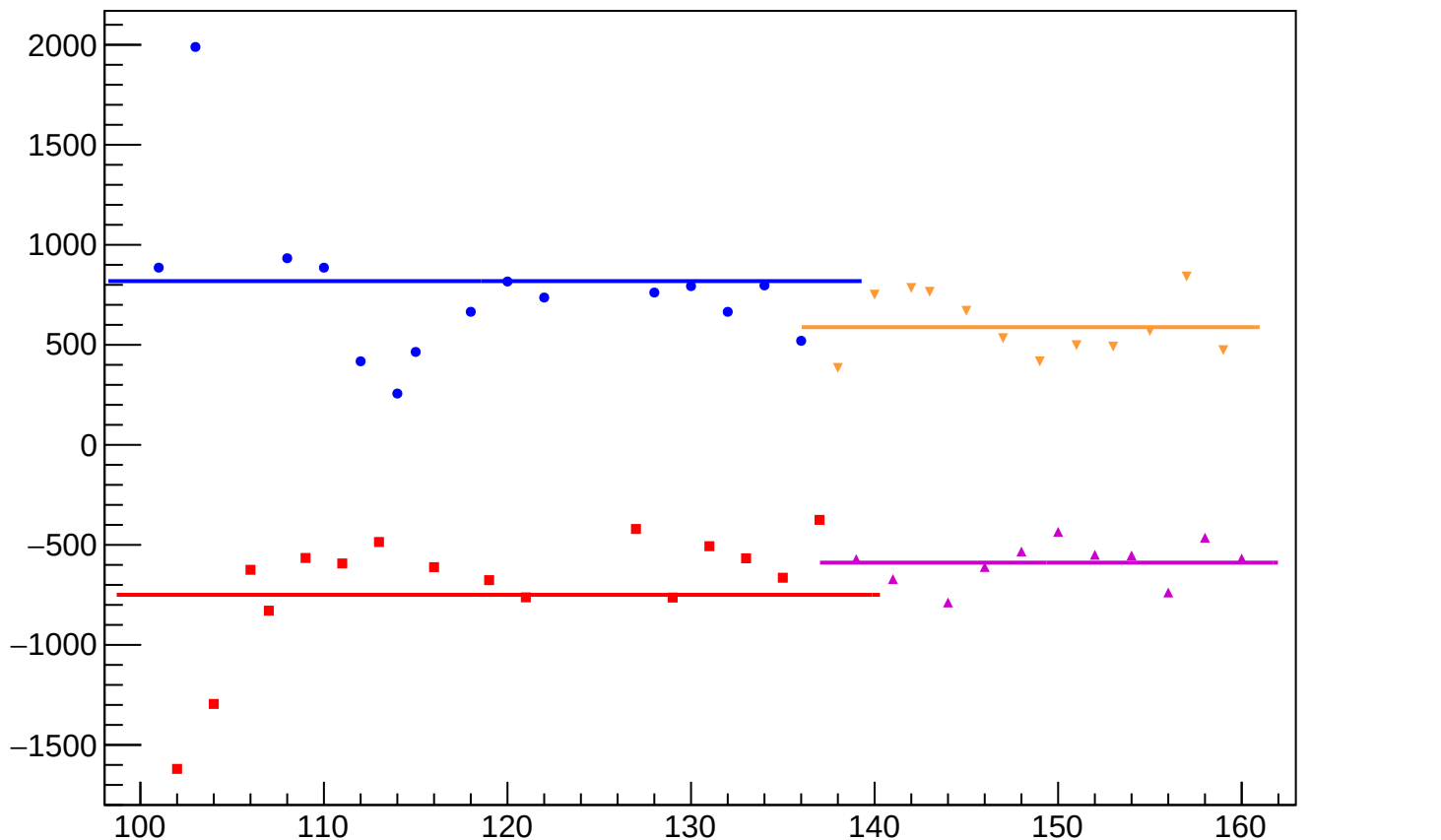
Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1173.334 +/- 0.000 χ^2/NDF : 50259225692125439679244442751924699136.0/10
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 1925528738372820562654022867381911552.0/10
 All: -24.912 +/- 0.000 χ^2/NDF : 393215150522

dit_usr_coil7_mean vs Slug, Sign Corrected



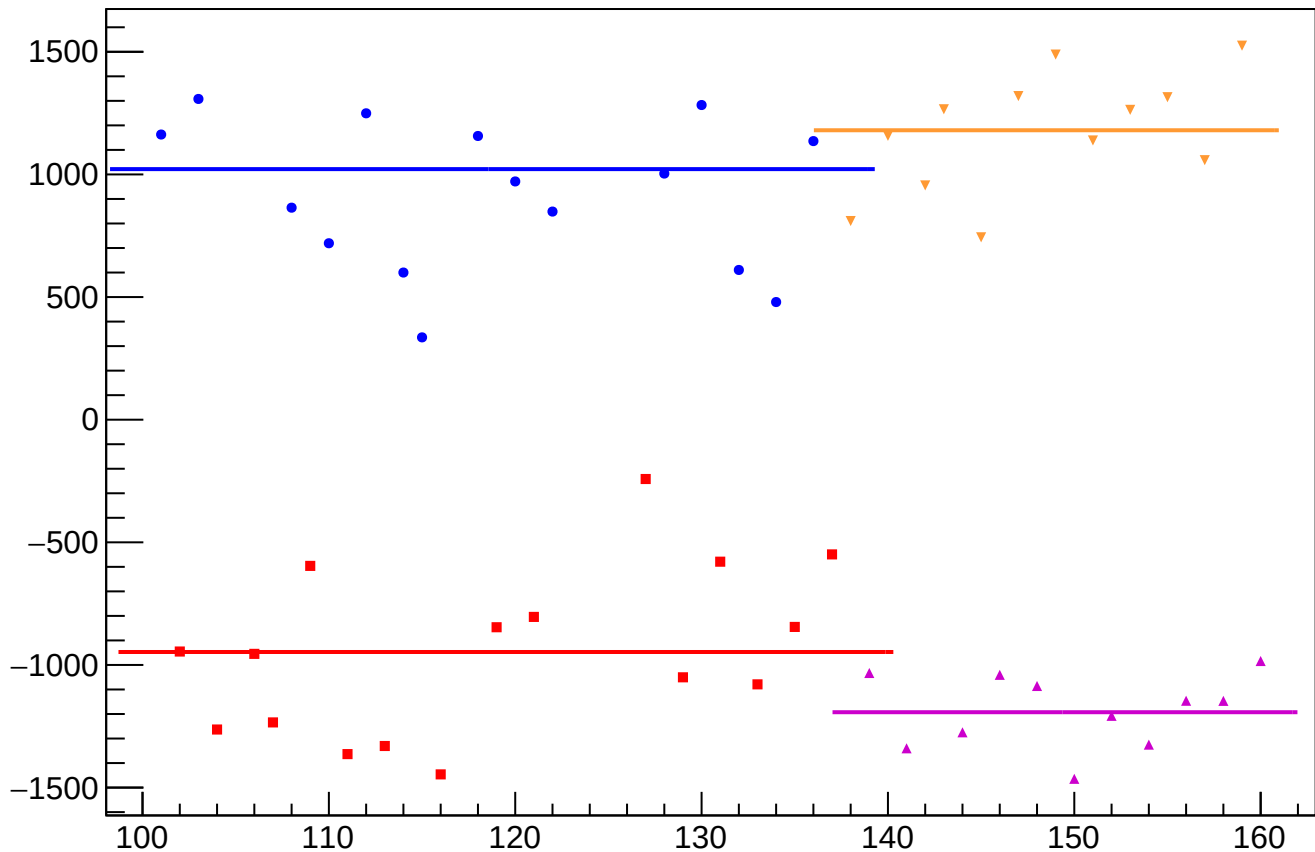
Right In: 25232.229+/-0.000 χ^2/NDF : 24534581974772031016304633863538632294400.0/14
 Left Out: 18630.609+/-0.000 χ^2/NDF : 4499157177792733453337123782201790431232.0/11
 Right Out: -25601.388+/-0.000 χ^2/NDF : 24359757587964510827650819847270483099648.0/15
 Left In: -19322.974+/-0.000 χ^2/NDF : 5509841990831420617123513924011035721728.0/10
 All: -483.976+/-0.000 χ^2/NDF : 15707826192

dit_usr_coil7_err_mean vs Slug, Sign Corrected



Right In: 818.668 ± 0.000 $\chi^2/\text{NDF}: 105606527096911974489496802318373355520.0/14$
 Left Out: 588.391 ± 0.000 $\chi^2/\text{NDF}: 20060197377989114991296665666078113792.0/11$
 Right Out: -749.661 ± 0.000 $\chi^2/\text{NDF}: 77972691834605708706145461250669150208.0/15$
 Left In: -588.693 ± 0.000 $\chi^2/\text{NDF}: 9904386894828699094725074481582178304.0/10$
 All: 7.967 ± 0.000 $\chi^2/\text{NDF}: 16598147133155$

dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

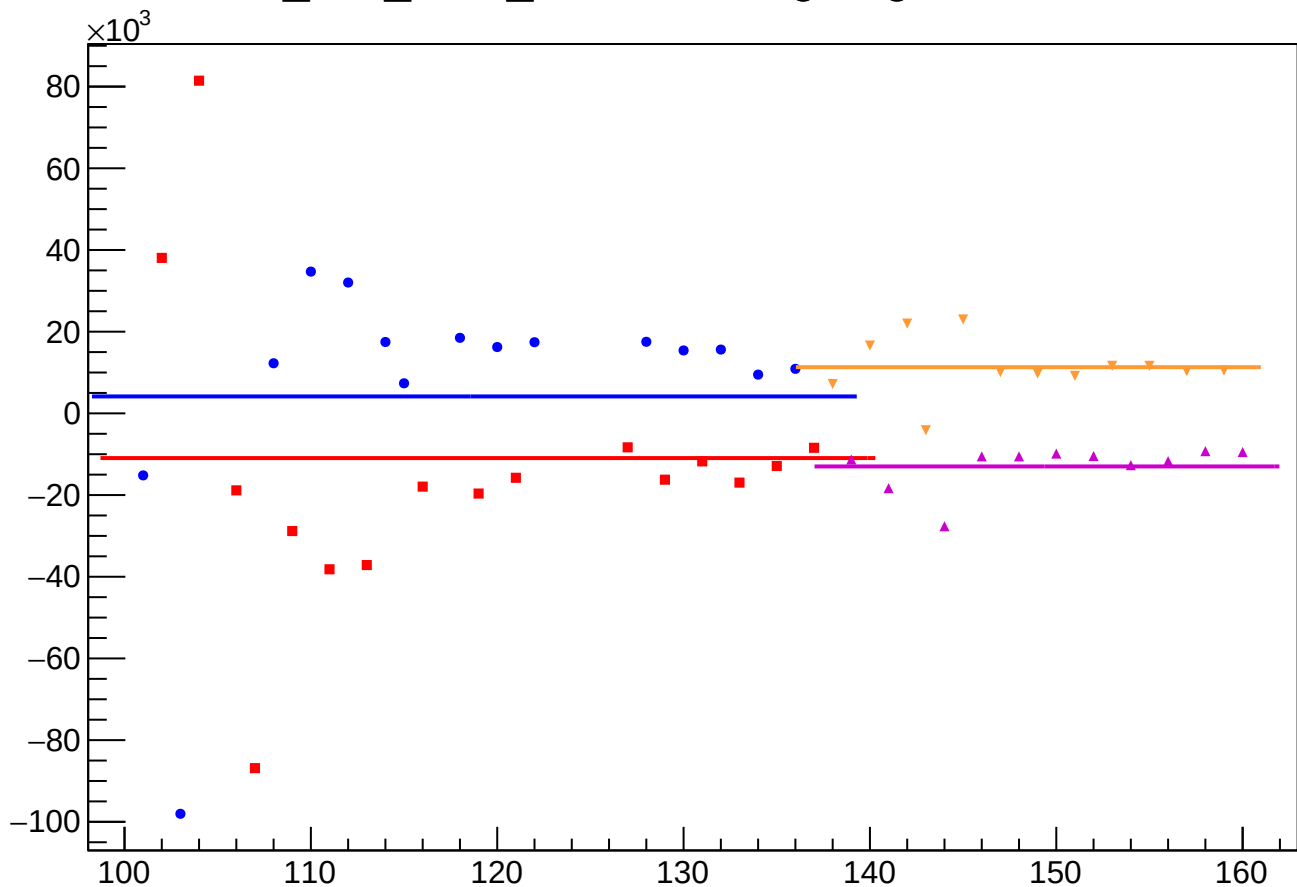
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

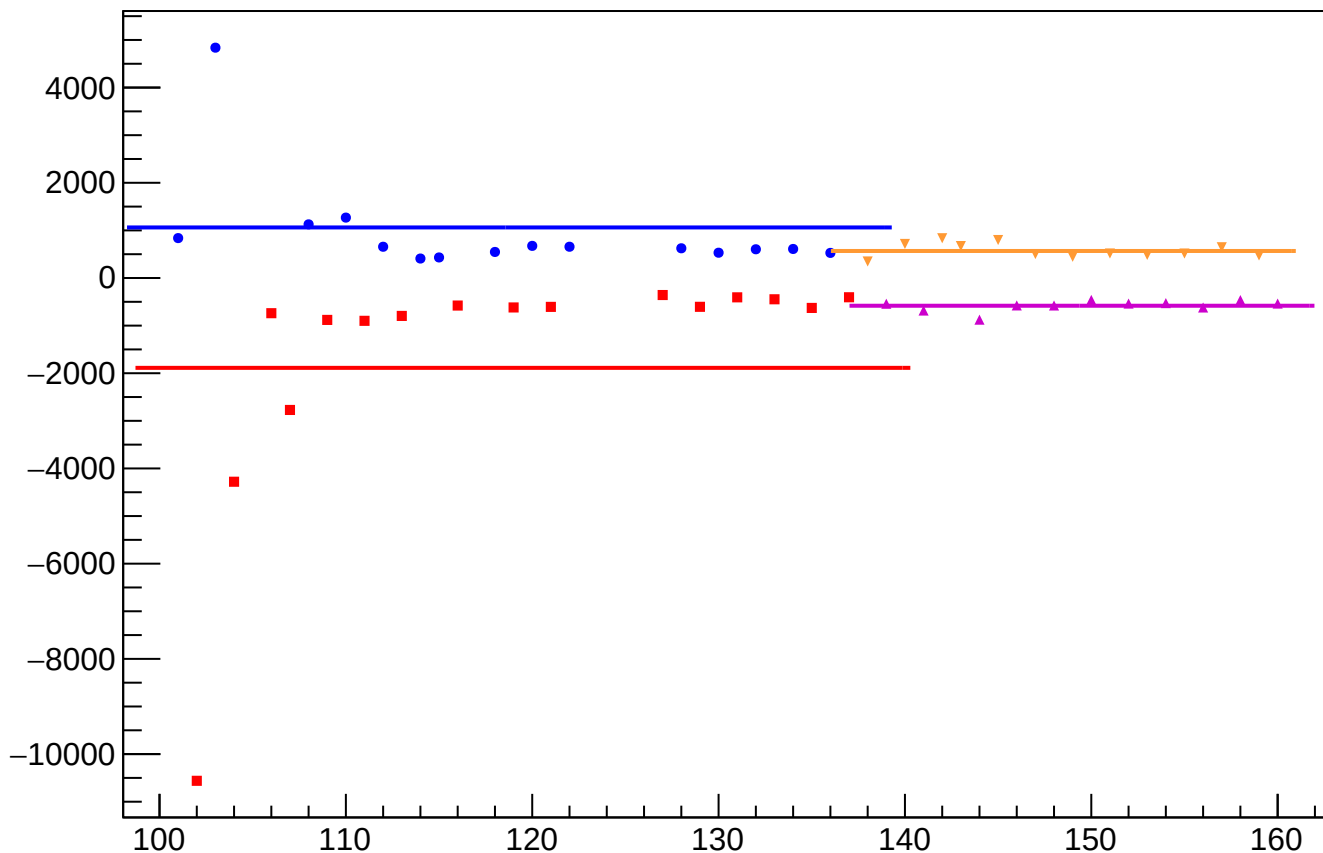
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atl1_coil7_mean vs Slug, Sign Corrected



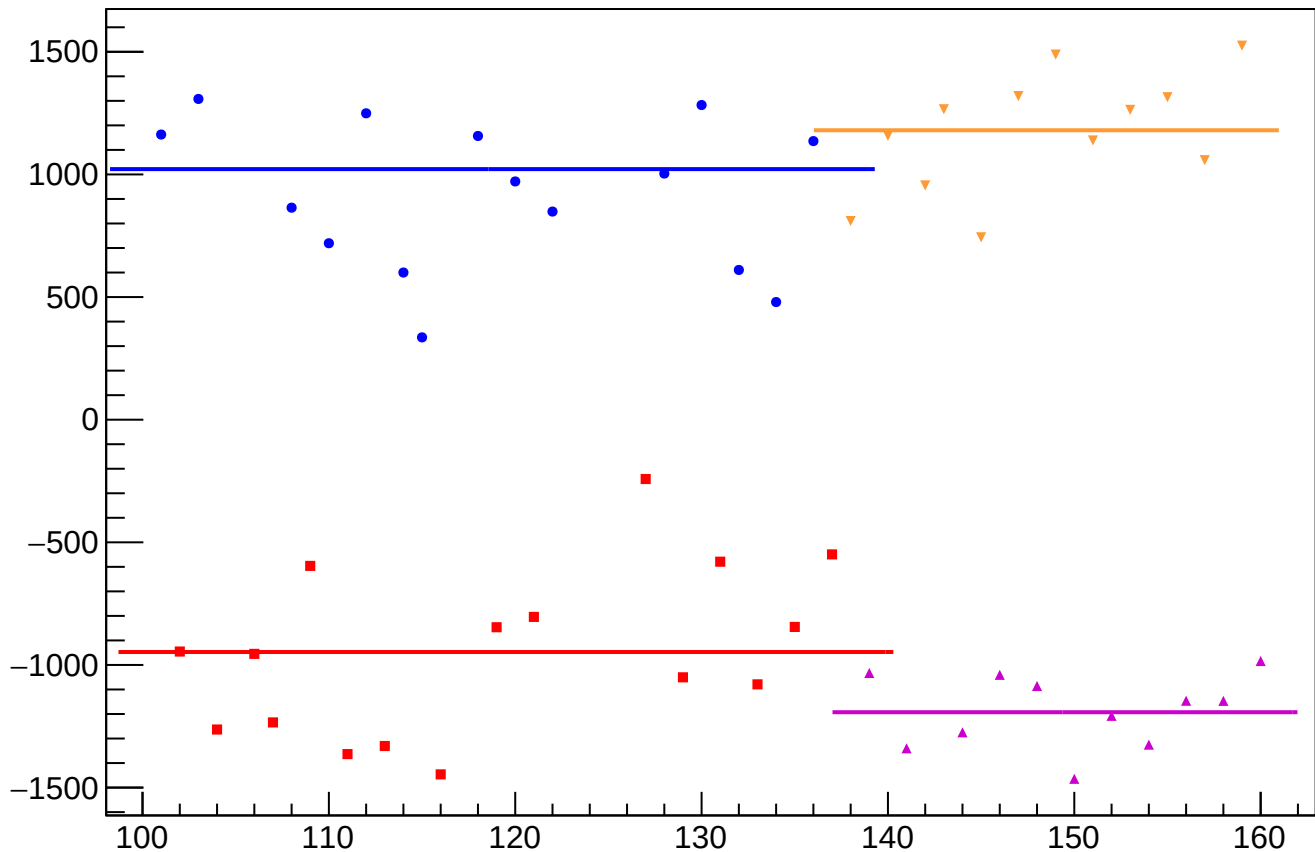
Right In: 4145.268 $\pm$ 0.000 χ^2 /NDF: 763693998395064689637972381933507648159744.0/14
 Left Out: 11307.773 $\pm$ 0.000 χ^2 /NDF: 36281065862244259787300982388178548686848.0/11
 Right Out: -10948.073 $\pm$ 0.000 χ^2 /NDF: 873949668510327201514601463115396191092736.0/15
 Left In: -12994.239 $\pm$ 0.000 χ^2 /NDF: 26399397473209063315648711040224276250624.0/10
 All: -1992.219 $\pm$ 0.000 χ^2 /NDF: 2051791747

dit_atl1_coil7_err_mean vs Slug, Sign Corrected



Right In: 1062.141+/-0.000 χ^2/NDF : 952806231926530012715872184655778152448.0/14
 Left Out: 567.733+/-0.000 χ^2/NDF : 17522884747687495168010192179255312384.0/11
 Right Out: -1887.077+/-0.000 χ^2/NDF : 5525872718363845620366029387569058283520.0/15
 Left In: -582.413+/-0.000 χ^2/NDF : 118601444625381813814678965729624064.0/10
 All: -186.618+/-0.000 χ^2/NDF : 10113638171

dit_atl1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

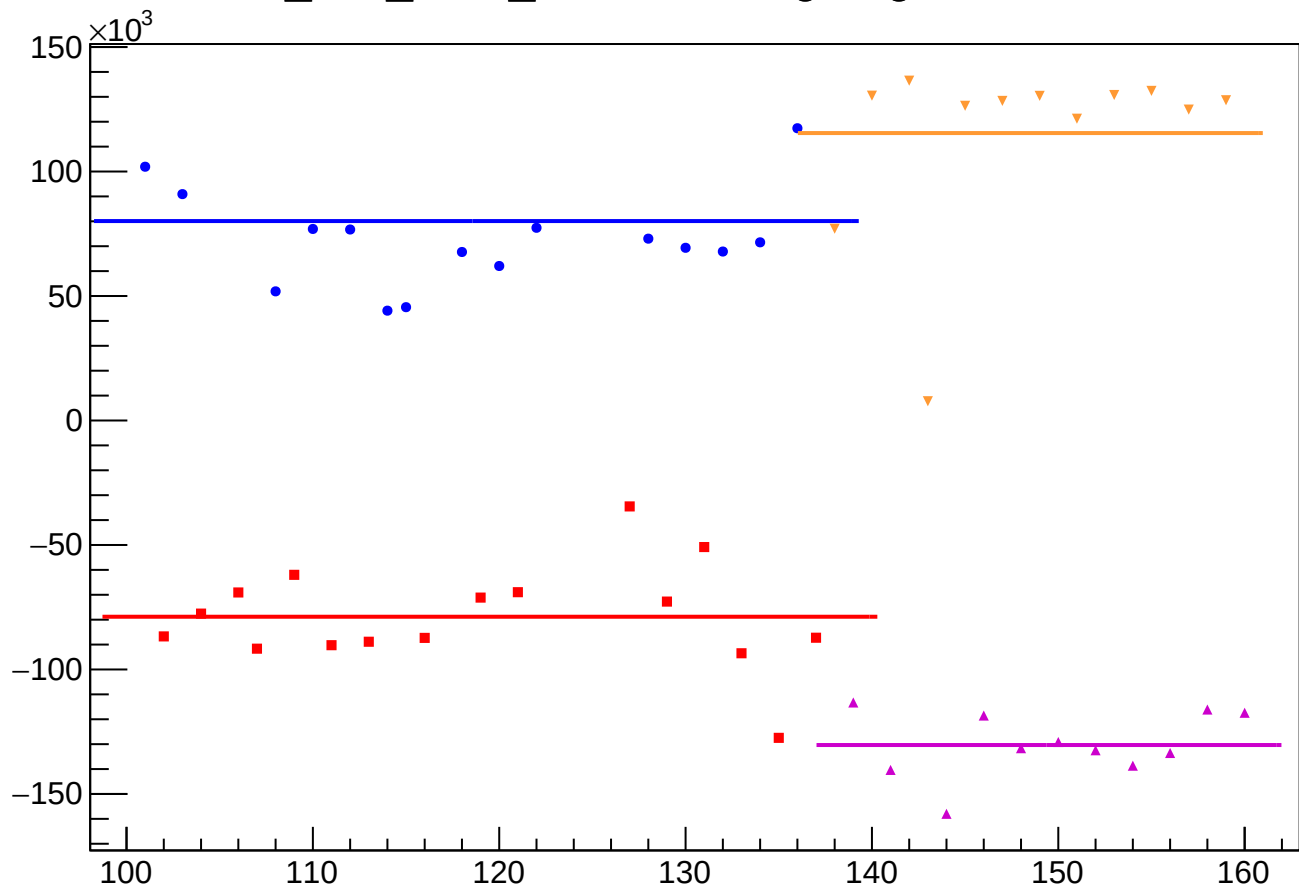
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atl2_coil7_mean vs Slug, Sign Corrected



Right In: 80102.504+/-0.000

χ^2/NDF : 254521784097258654723607522631742465769472.0/14

Left Out: 115448.893+/-0.000

χ^2/NDF : 1038801657464811255416211206986838896017408.0/11

Right Out: -78815.832+/-0.000

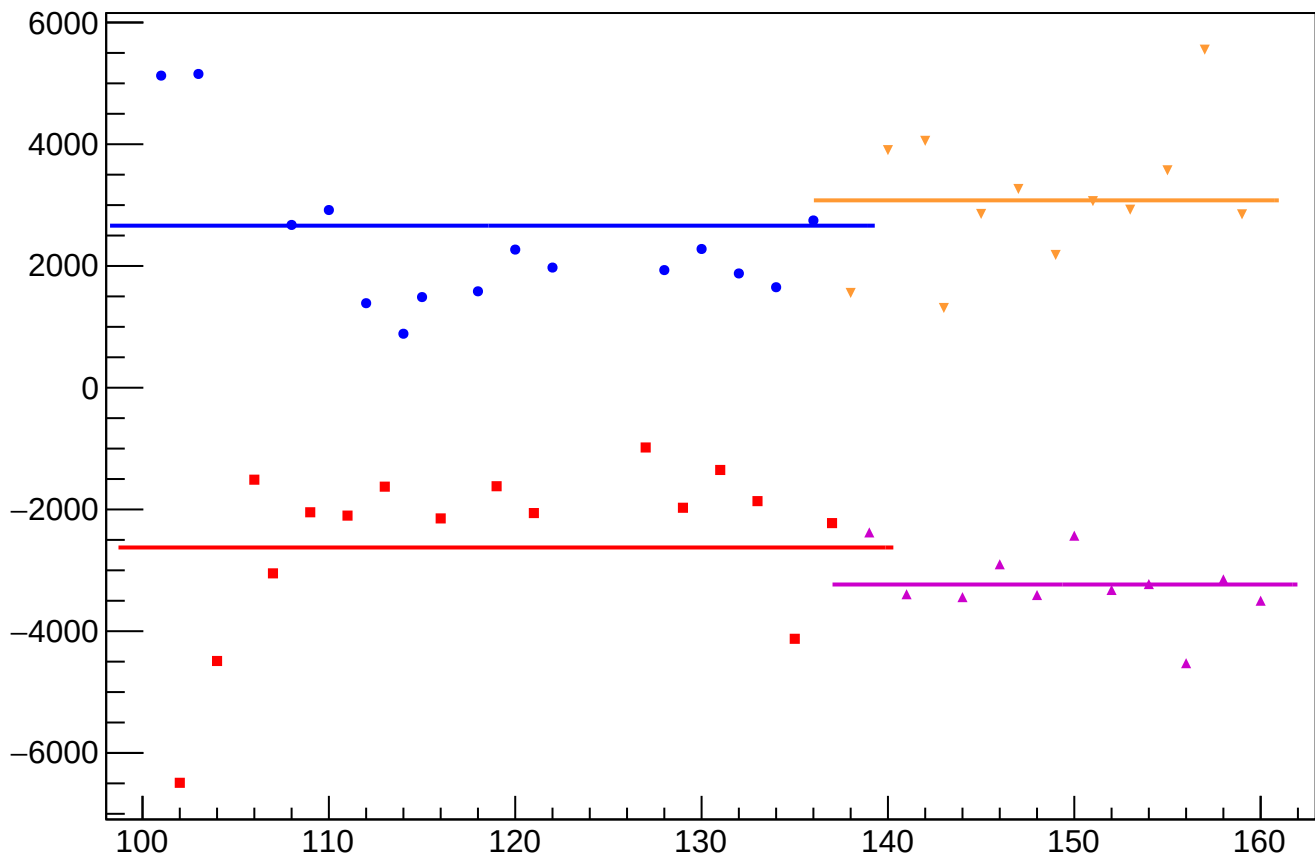
χ^2/NDF : 286076919217811099434470442231998185472000.0/15

Left In: -130346.244+/-0.000

χ^2/NDF : 148174871015439819820100459279999278514176.0/10

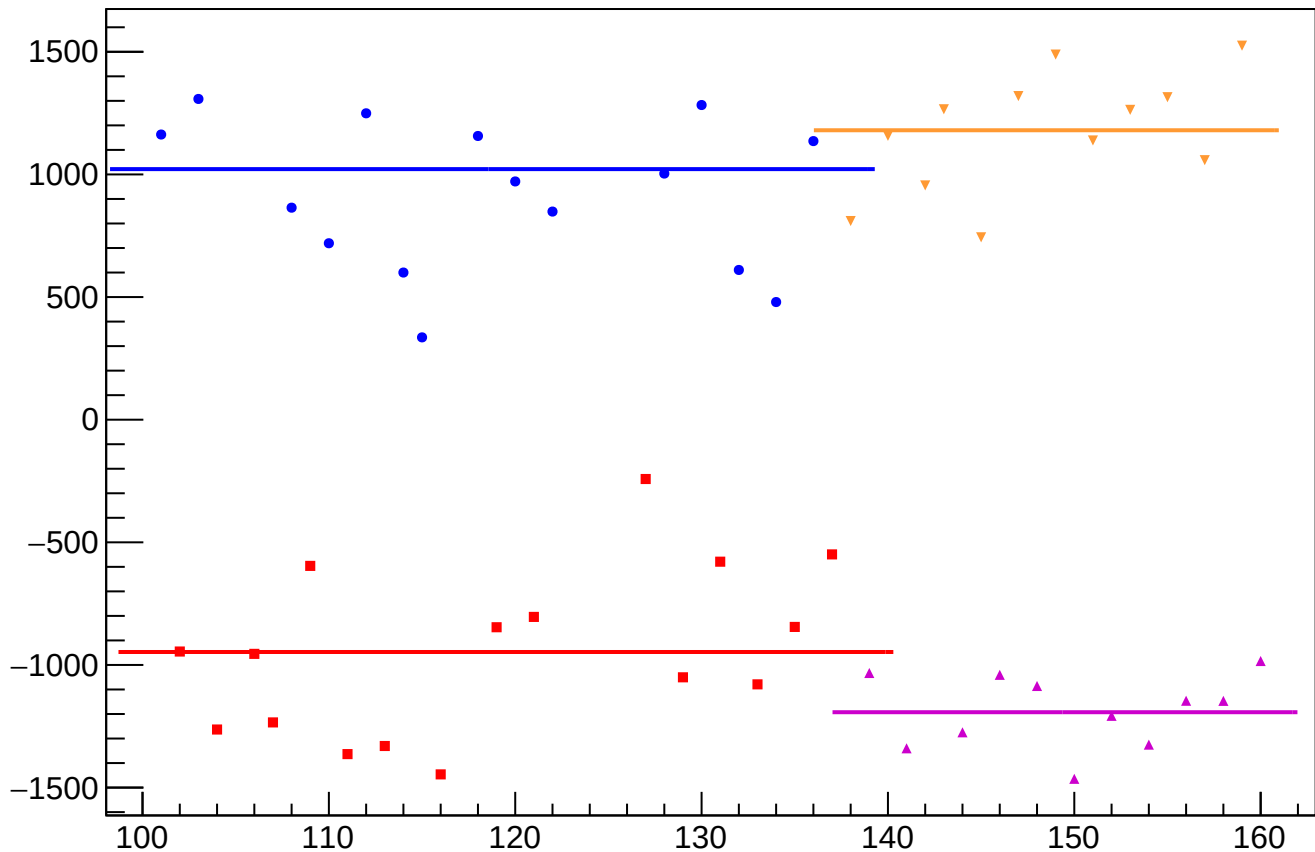
All: -4915.433+/-0.000 χ^2/NDF : 3784007443

dit_atl2_coil7_err_mean vs Slug, Sign Corrected



Right In: 2662.183+/-0.000 χ^2/NDF : 1031389230165640157864439705583367487488.0/14
 Left Out: 3077.945+/-0.000 χ^2/NDF : 1073709891492389198093936322660595138560.0/11
 Right Out: -2624.696+/-0.000 χ^2/NDF : 1566705216866534713590934835660406652928.0/15
 Left In: -3232.879+/-0.000 χ^2/NDF : 275721007613891276741007240283331493888.0/10
 All: -62.414+/-0.000 χ^2/NDF : 314460236947

dit_atl2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

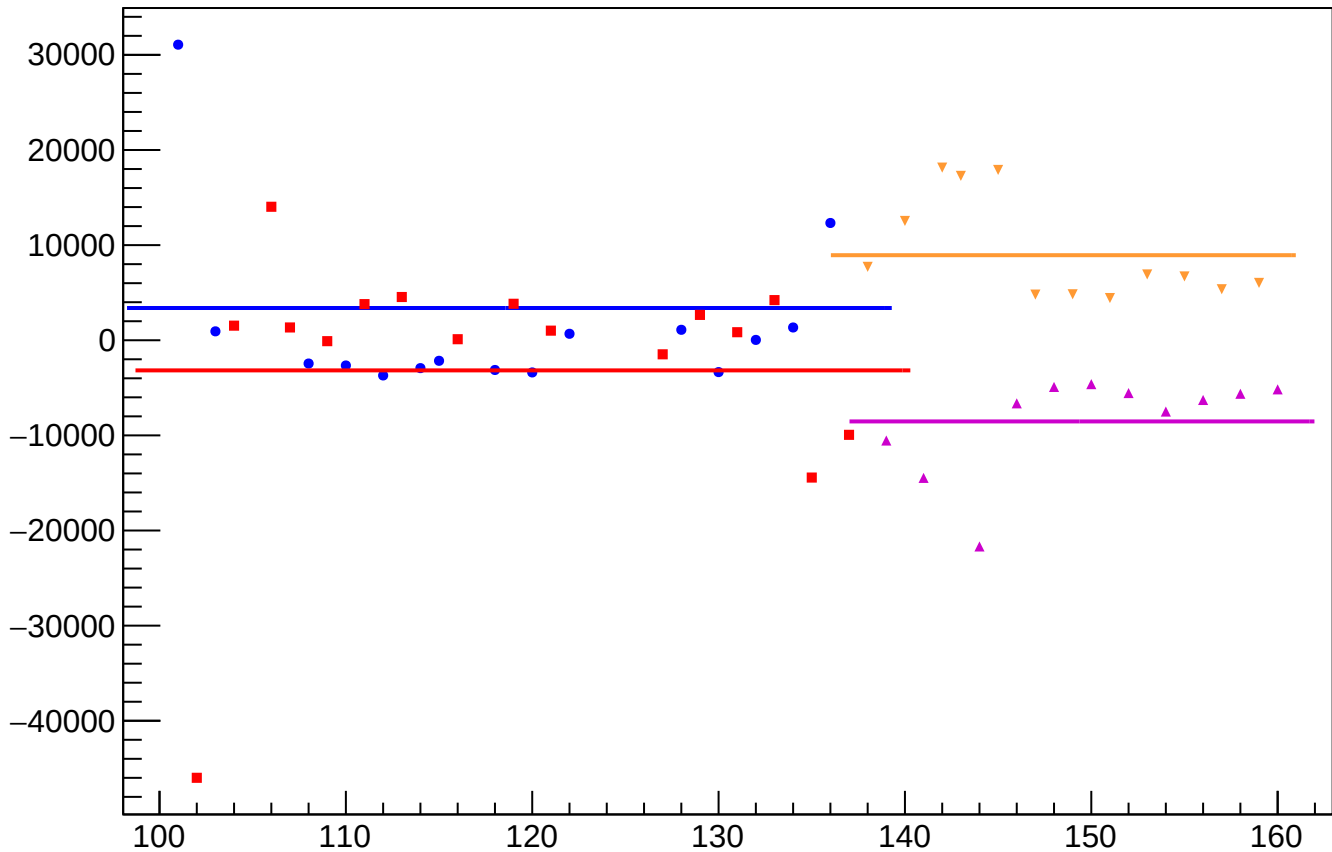
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atr1_coil7_mean vs Slug, Sign Corrected



Right In: 3390.550+/-0.000

χ^2/NDF : 65871927441553256724179194556280173756416.0/14

Left Out: 8941.712+/-0.000

χ^2/NDF : 22757542723529976862924189628837264359424.0/11

Right Out: -3167.396+/-0.000

χ^2/NDF : 137753886677241144460462531881687568089088.0/15

Left In: -8532.821+/-0.000

χ^2/NDF : 24299515949380224586324737558095226470400.0/10

Left: 156.909+/-0.000 χ^2/NDF : 1873655199537507

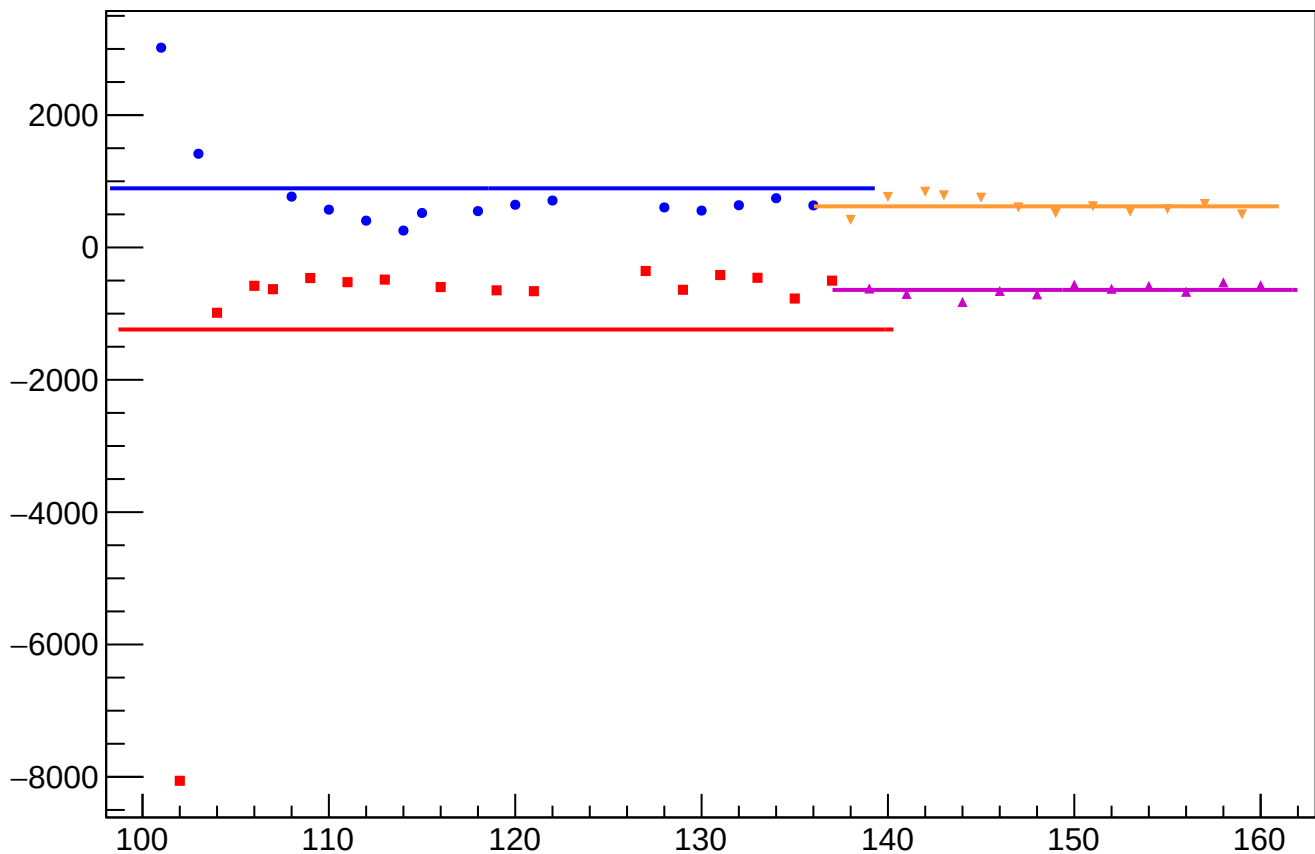
Right: 66.728+/-0.000 χ^2/NDF : 2177723560844725

In: -3613.388+/-0.000 χ^2/NDF : 144369798447171

Out: 3833.063+/-0.000 χ^2/NDF : 217052558141828

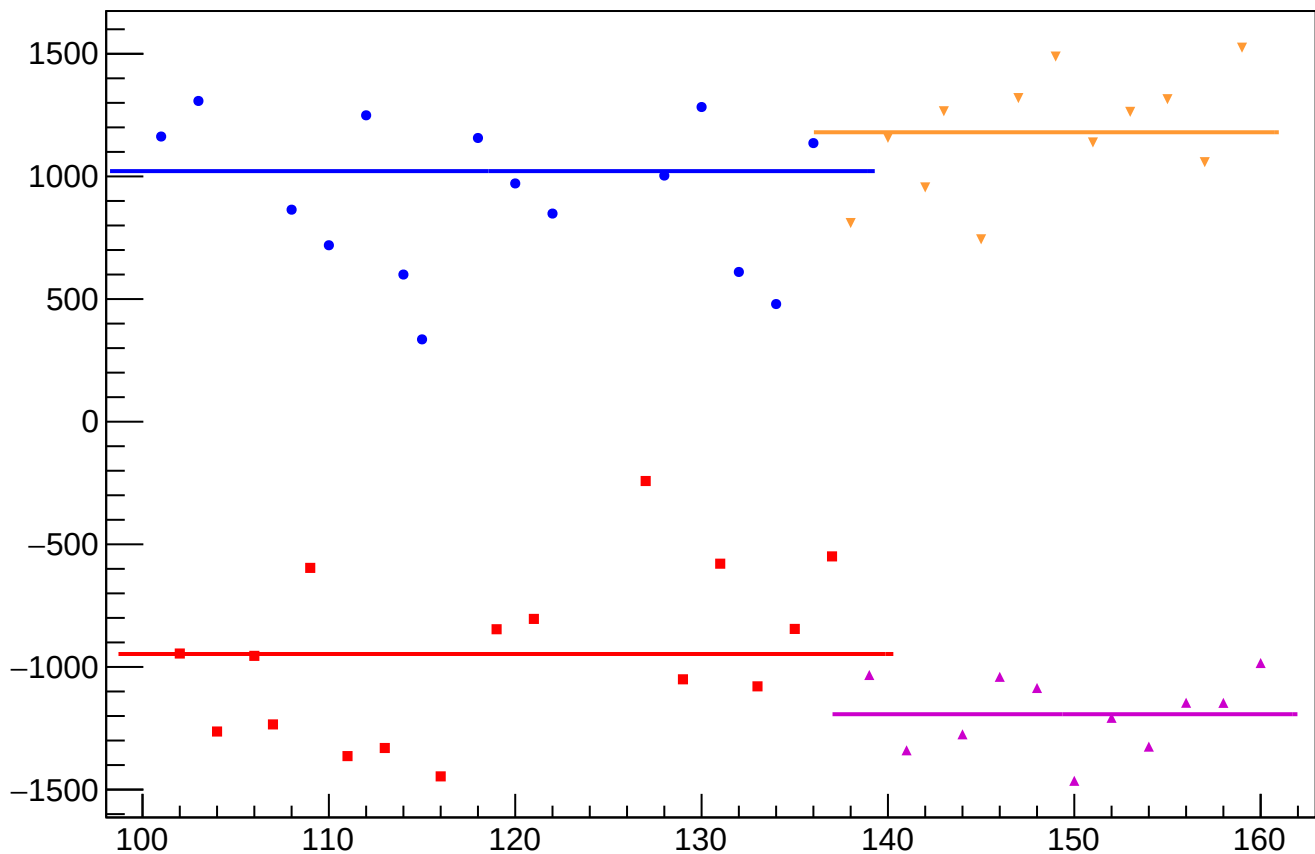
All: 119.281+/-0.000 χ^2/NDF : 405144112898

dit_atr1_coil7_err_mean vs Slug, Sign Corrected



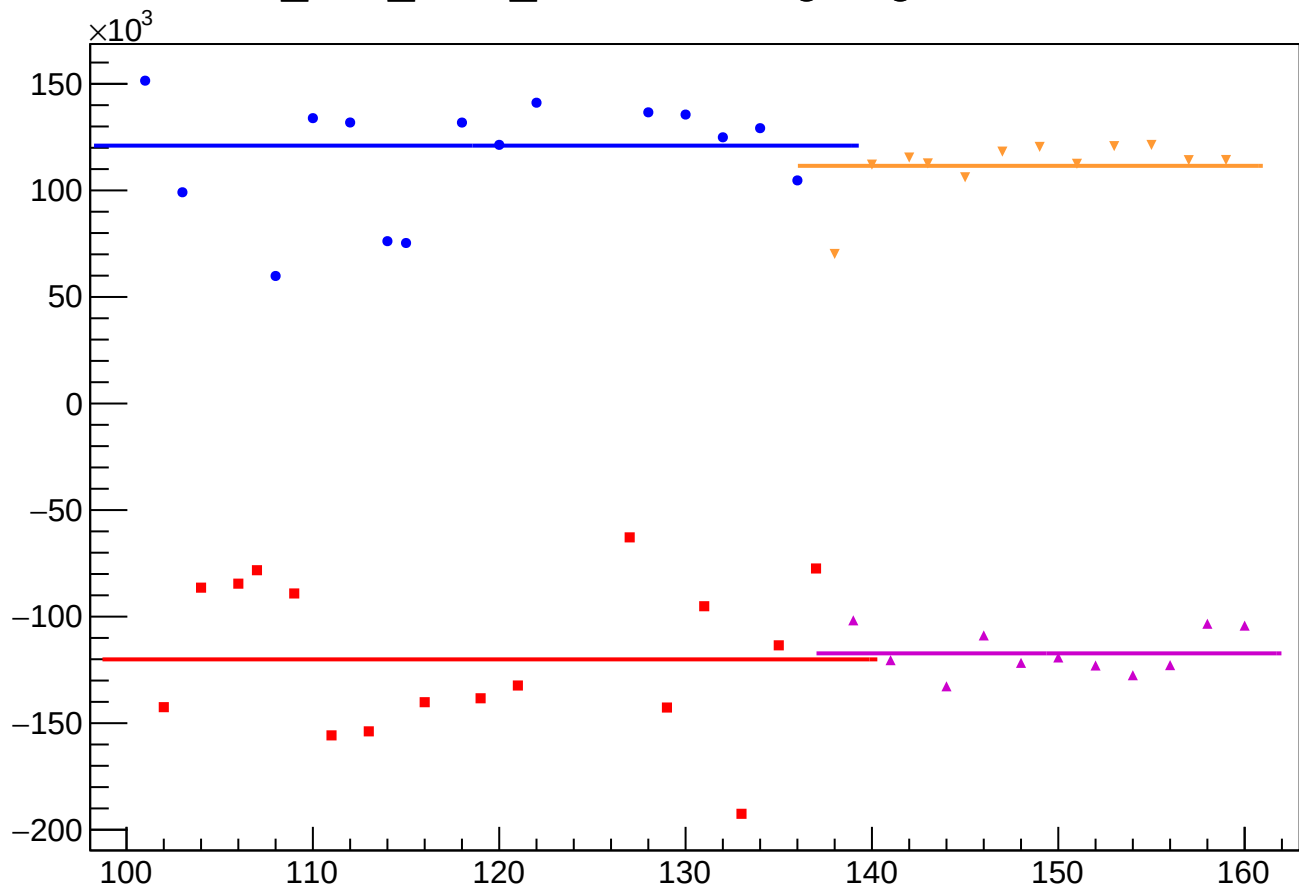
Right In: 893.683 $\pm$ 0.000 χ^2/NDF : 334583619078631008932404228227359309824.0/14
 Left Out: 621.395 $\pm$ 0.000 χ^2/NDF : 13220761349033595391183034930255888384.0/11
 Right Out: -1239.298 $\pm$ 0.000 χ^2/NDF : 2970990859486483990408108918937565003776.0/15
 Left In: -641.490 $\pm$ 0.000 χ^2/NDF : 6047241871046466320943152926715543552.0/10
 All: -86.047 $\pm$ 0.000 χ^2/NDF : 557740460848

dit_atr1_coil7_Ndata_mean vs Slug, Sign Corrected



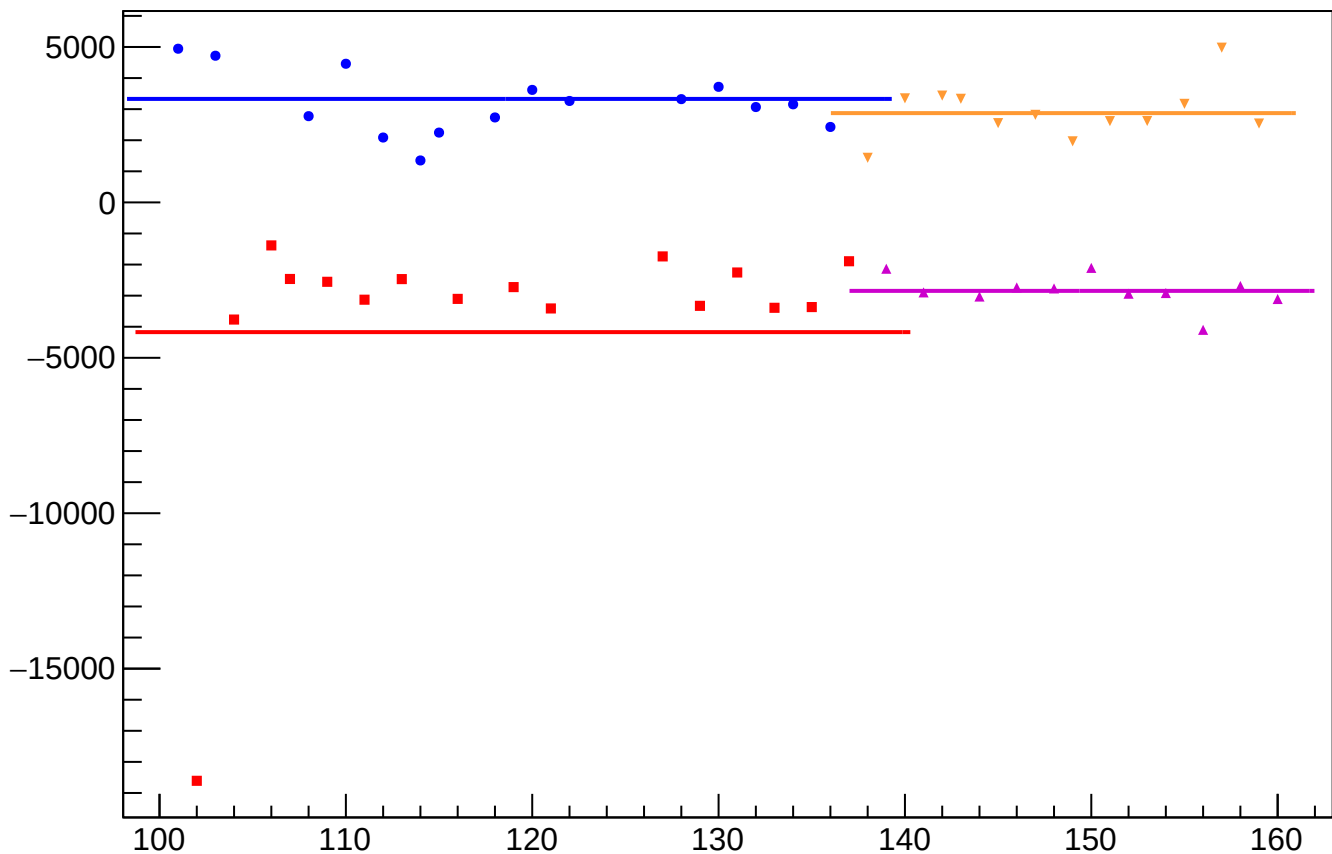
Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103+/-0.000 χ^2/NDF : 50788606804690292724539730503787347968.0/11
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687+/-0.000 χ^2/NDF : 19255287383728205662654022867381911552.0/10
 All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atr2_coil7_mean vs Slug, Sign Corrected



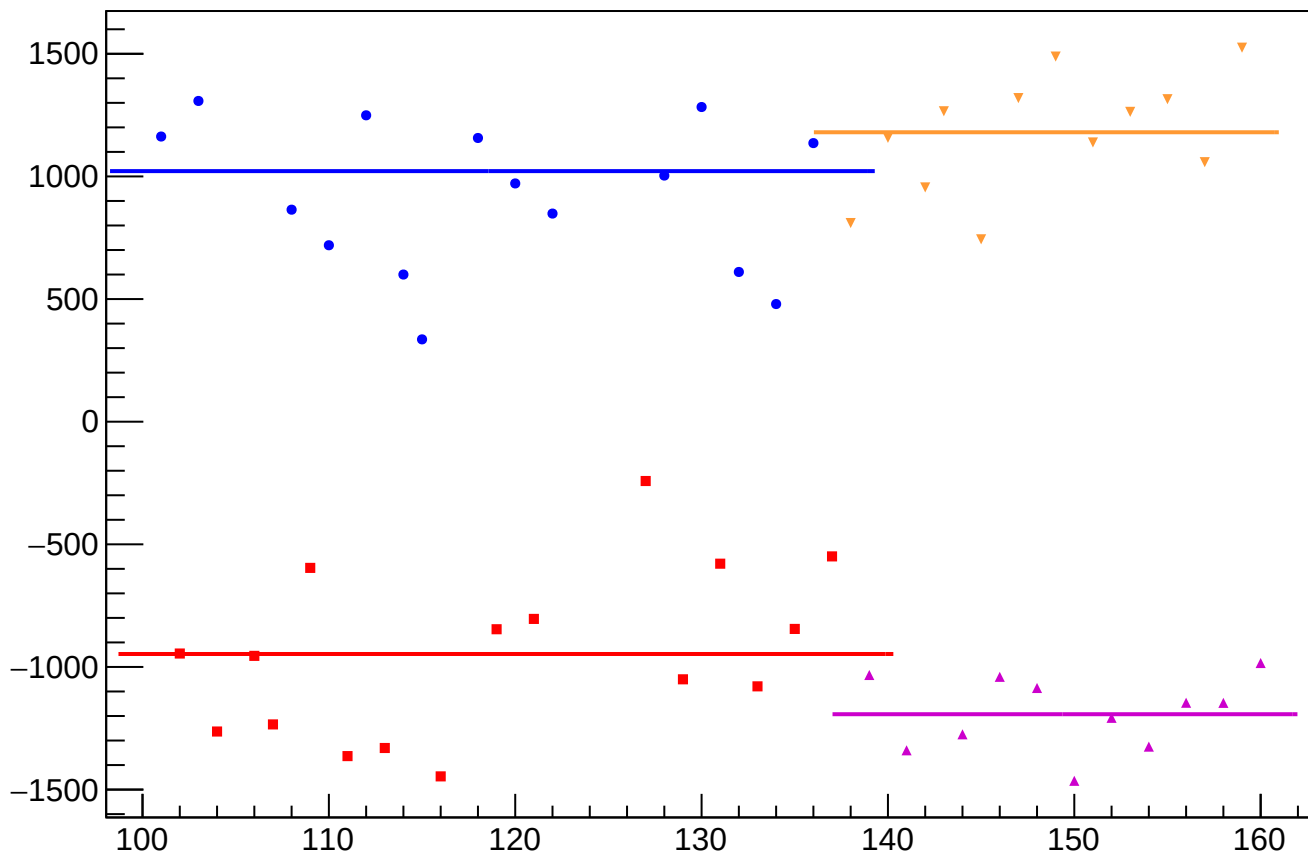
Right In: 121016.482 $\pm$ 0.000 χ^2 /NDF: 358713856404303554987784975983609668173824.0/14
 Left Out: 111531.681 $\pm$ 0.000 χ^2 /NDF: 162724299829921950370834246417372913074176.0/11
 Right Out: -120060.693 $\pm$ 0.000 χ^2 /NDF: 828419782346707601448620310014135952736256.0/15
 Left In: -117237.465 $\pm$ 0.000 χ^2 /NDF: 92299527706158063096544434206678792011776.0/10
 All: -2513.712 $\pm$ 0.000 χ^2 /NDF: 4461091057

dit_atr2_coil7_err_mean vs Slug, Sign Corrected



Left: -2.554 ± 0.000 $\chi^2/\text{NDF}: 15921502408931202$
 Right In: 3329.488 ± 0.000 $\chi^2/\text{NDF}: 567034774398456376227526824513721335808.0/14$
 Right: -473.285 ± 0.000 $\chi^2/\text{NDF}: 32582486462967$
 Left Out: 2872.567 ± 0.000 $\chi^2/\text{NDF}: 662883582778902790585902196636778496000.0/11$
 In: 298.400 ± 0.000 $\chi^2/\text{NDF}: 1533808541348253$
 Right Out: -4173.434 ± 0.000 $\chi^2/\text{NDF}: 13498246551537992400095003154682468106240.0/15$
 Out: -100.034 ± 0.000 $\chi^2/\text{NDF}: 333048130531602$
 Left In: -2846.559 ± 0.000 $\chi^2/\text{NDF}: 229557109736682123603885764134616170496.0/10$
 All: -198.965 ± 0.000 $\chi^2/\text{NDF}: 48673924762$

dit_atr2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 $\pm$ 0.000

Left Out: 1180.103 $\pm$ 0.000

Right Out: -947.145 $\pm$ 0.000

Left In: -1192.687 $\pm$ 0.000

χ^2 /NDF: 40493101470870278397836276403592495104.0/14

χ^2 /NDF: 50788606804690292724539730503787347968.0/11

χ^2 /NDF: 67784656011936521511169668028018196480.0/15

χ^2 /NDF: 19255287383728205662654022867381911552.0/10

Left: -12.747 $\pm$ 0.000 χ^2 /NDF: 2657013306605046

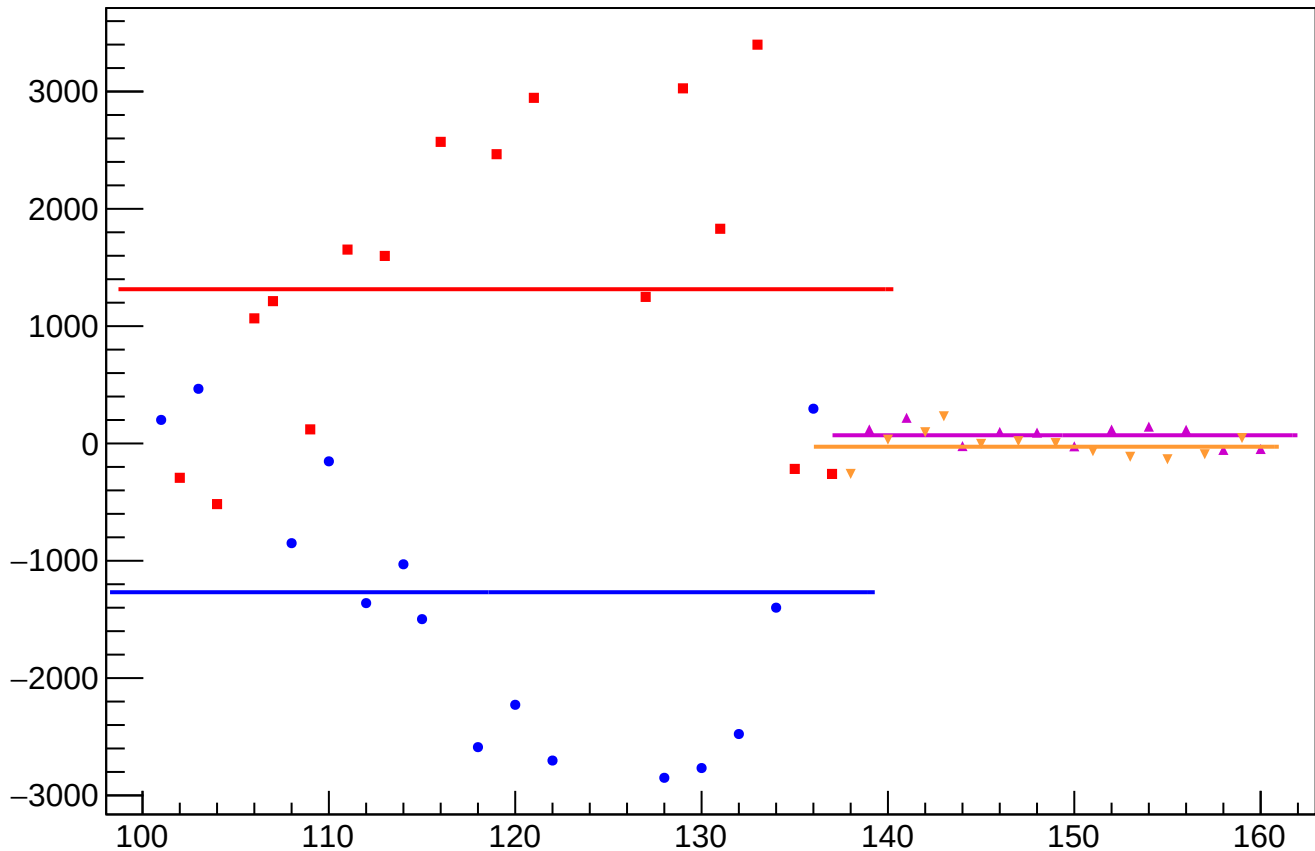
Right: 23.805 $\pm$ 0.000 χ^2 /NDF: 1383338523153511

In: -279.065 $\pm$ 0.000 χ^2 /NDF: 1929090788254319

Out: 282.649 $\pm$ 0.000 χ^2 /NDF: 1863497273761245

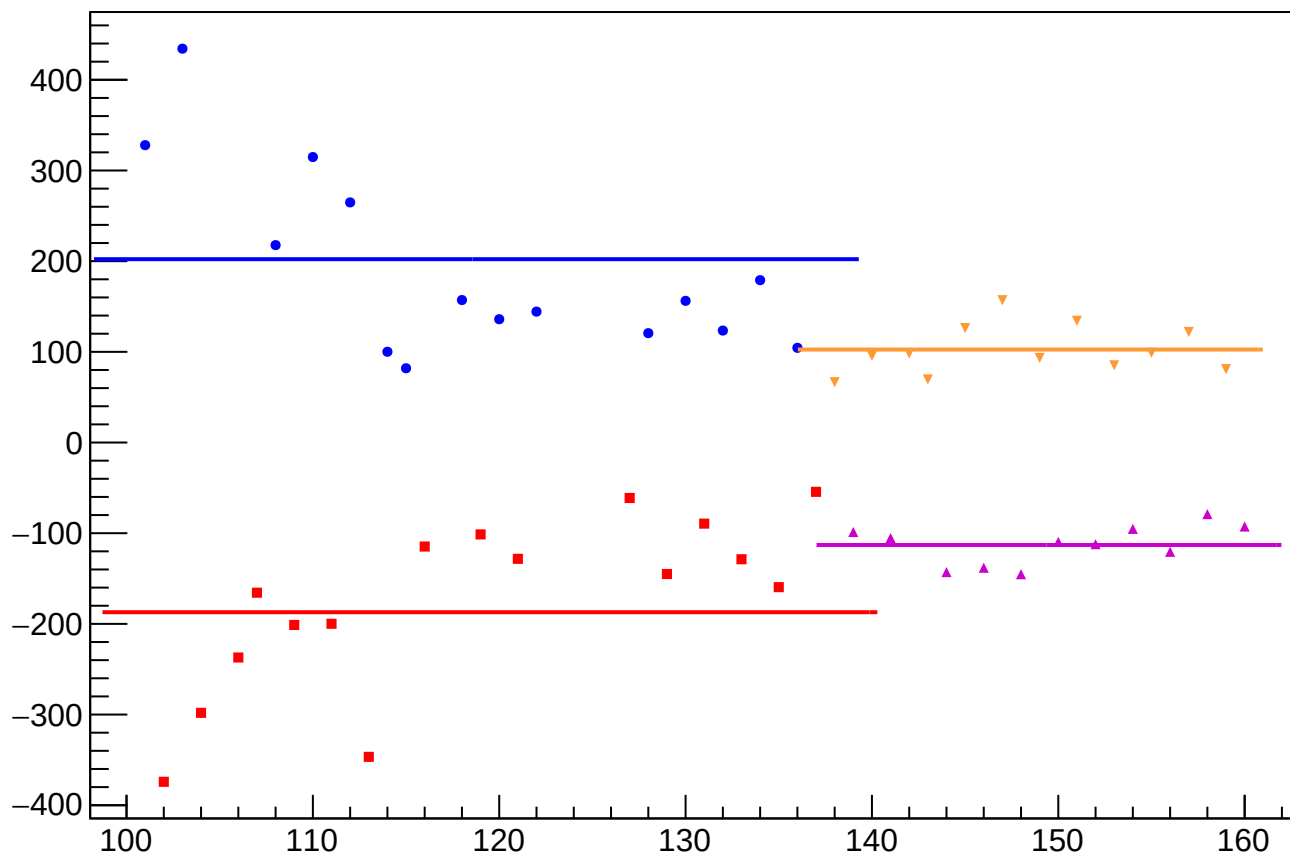
All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_sam1_coil7_mean vs Slug, Sign Corrected



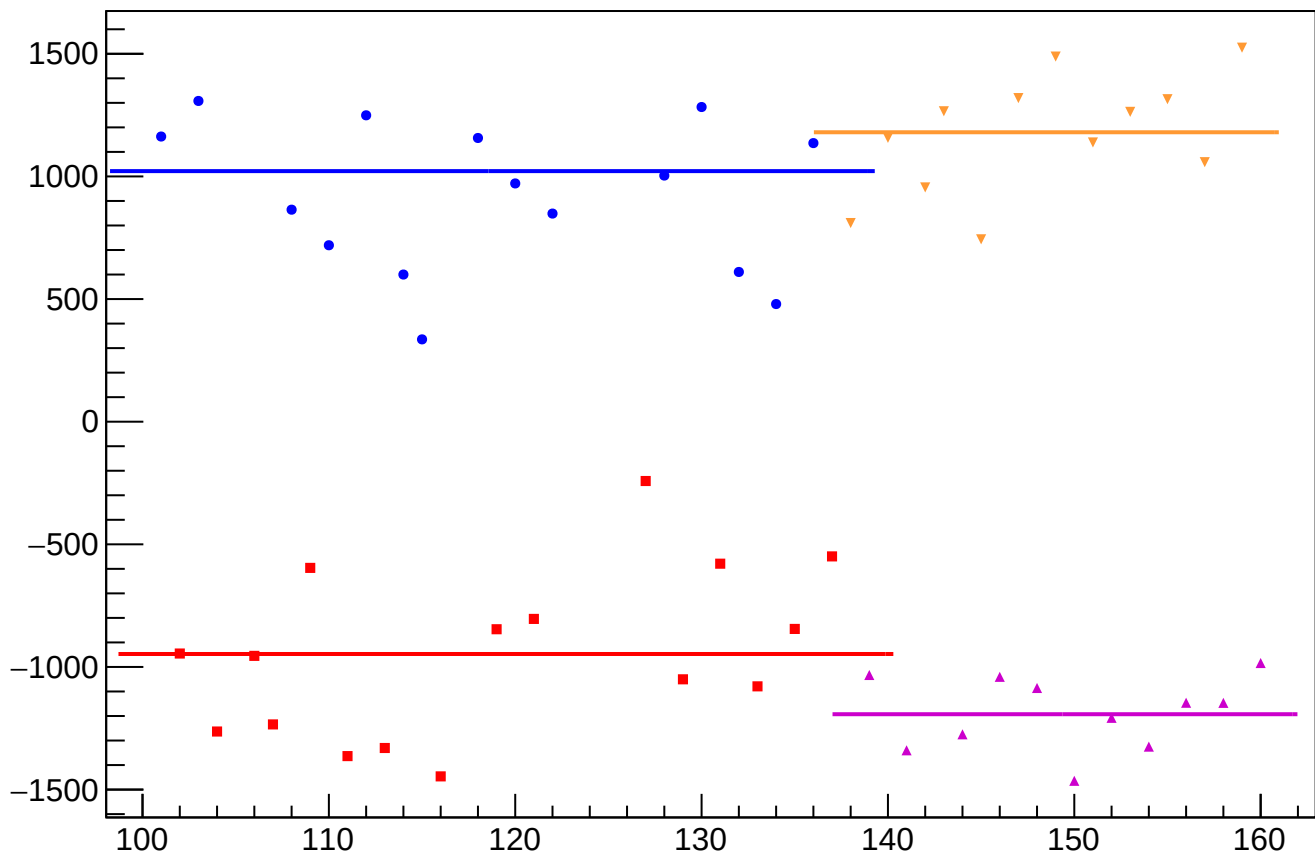
Left: 21.337 $\pm$ 0.000 χ^2 /NDF: 23678457867018899
 Right In: -1268.061 $\pm$ 0.000 χ^2 /NDF: 1092280760288833856070470490800647045120.0/14
 Right: 41.017 $\pm$ 0.000 χ^2 /NDF: 4385100658196815
 Left Out: -27.745 $\pm$ 0.000 χ^2 /NDF: 12401866293776389782406733193877127168.0/11
 In: -482.133 $\pm$ 0.000 χ^2 /NDF: 1781620225198016
 Right Out: 1314.767 $\pm$ 0.000 χ^2 /NDF: 1098471313864079013714609379653260935168.0/15
 Out: 538.641 $\pm$ 0.000 χ^2 /NDF: 1805860646471756
 Left In: 69.887 $\pm$ 0.000 χ^2 /NDF: 6896729055106095492675290775544659968.0/10
 All: 29.548 $\pm$ 0.000 χ^2 /NDF: 4409076158029

dit_sam1_coil7_err_mean vs Slug, Sign Corrected



Right In: 202.191+/-0.000 χ^2/NDF : 7027941052752849066369040650615128064.0/14
 Left Out: 102.547+/-0.000 χ^2/NDF : 631914374783938330949359707000668160.0/11
 Right Out: -187.126+/-0.000 χ^2/NDF : 6230029491605524746936515809941389312.0/15
 Left In: -112.981+/-0.000 χ^2/NDF : 399082569166702797505998561799569408.0/10
 All: -1.350+/-0.000 χ^2/NDF : 8557691672482

dit_sam1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1180.103 +/- 0.000

χ^2/NDF : 50788606804690292724539730503787347968.0/11

Right Out: -947.145 +/- 0.000

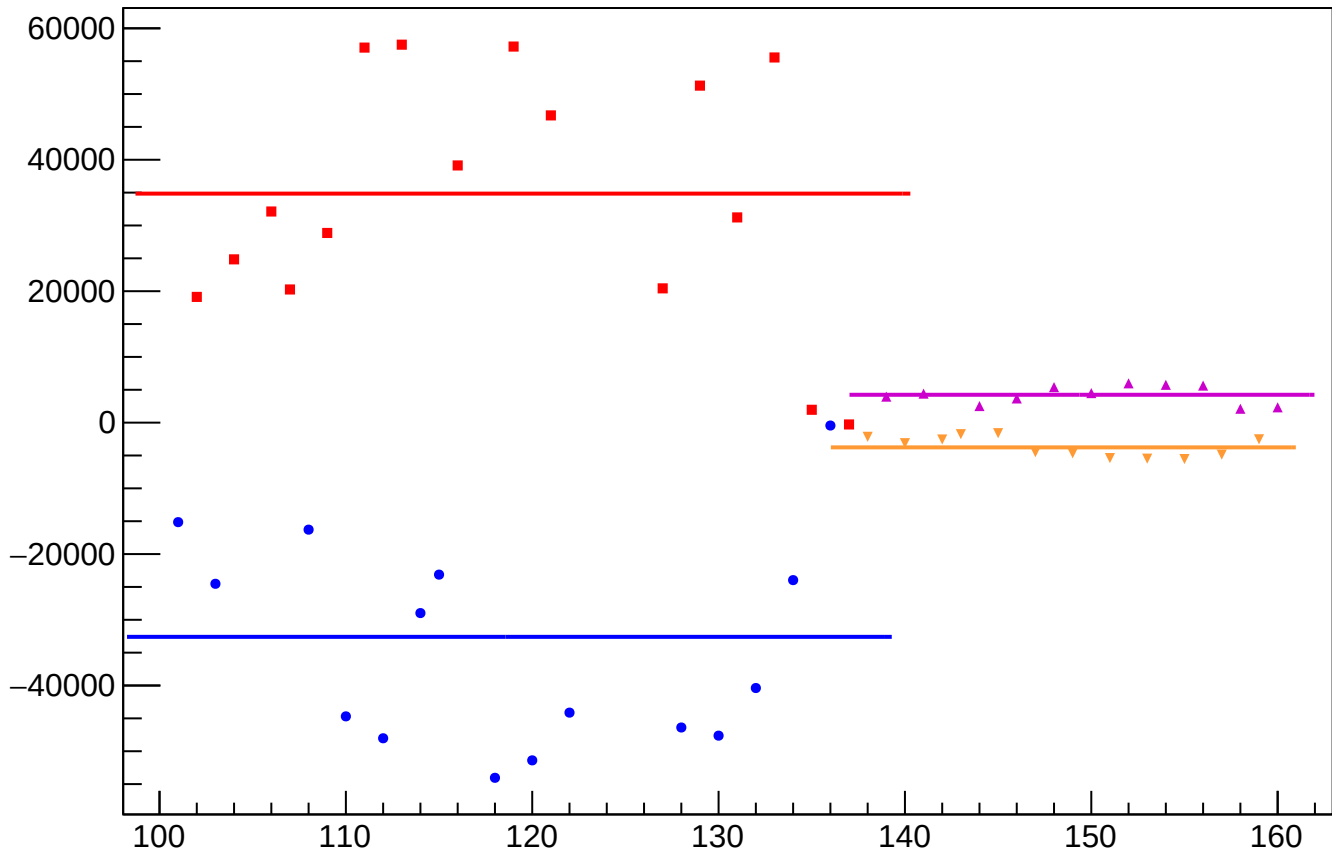
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

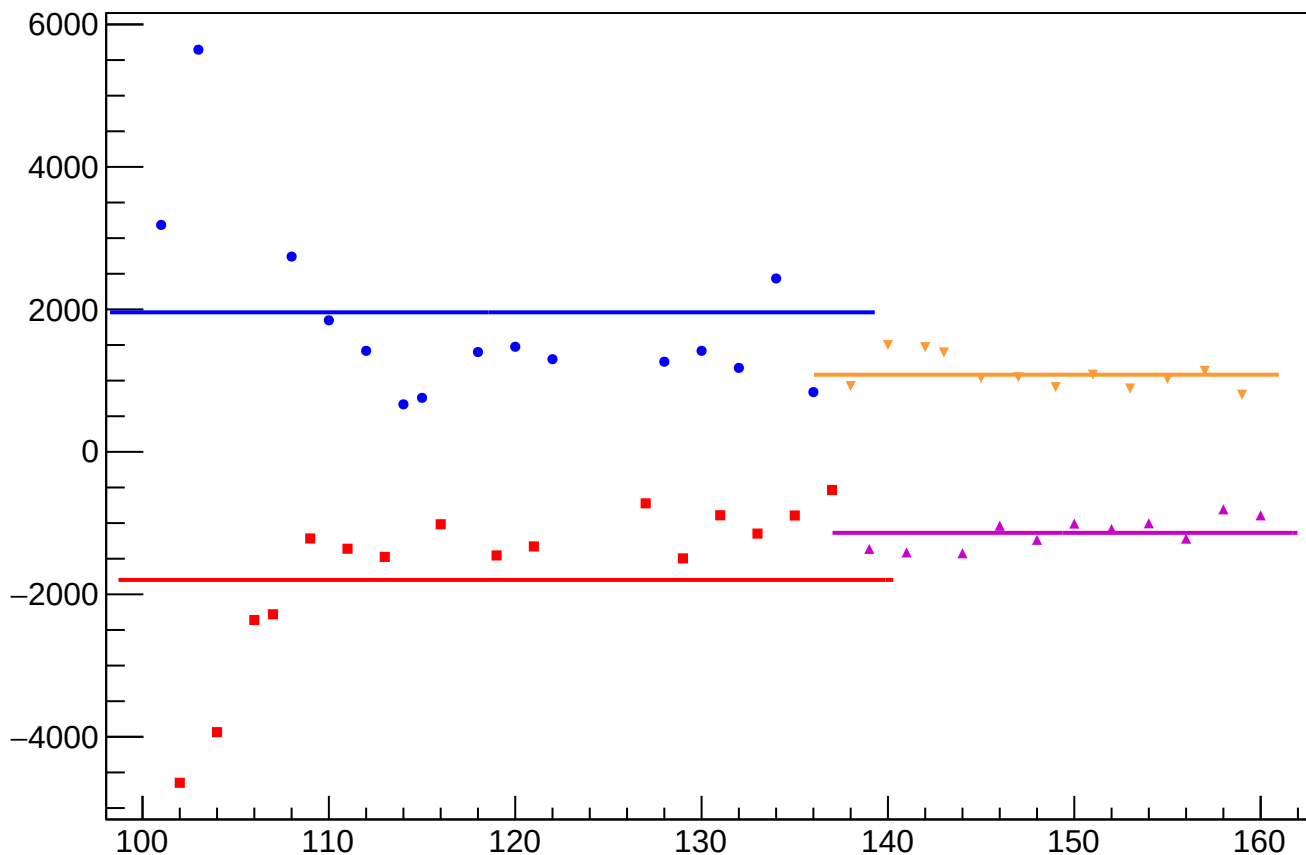
All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam2_coil7_mean vs Slug, Sign Corrected



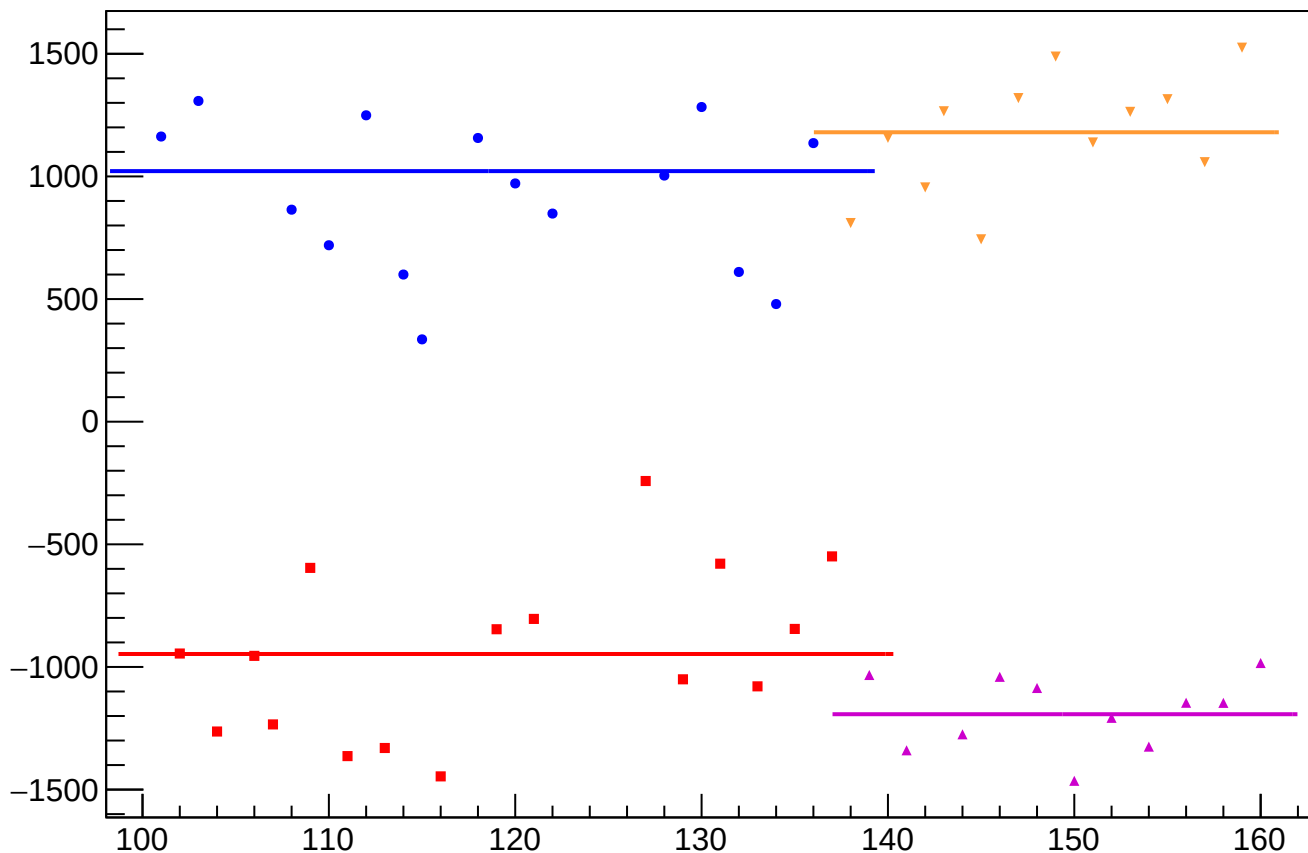
Left: 258.769 +/- 0.000 χ^2/NDF : 3307838906782510
 Right: 1587.778 +/- 0.000 χ^2/NDF : 19264741132603
 In: -10958.371 +/- 0.000 χ^2/NDF : 72805115559087
 Out: 12525.397 +/- 0.000 χ^2/NDF : 79801092816696
 All: 813.296 +/- 0.000 χ^2/NDF : 196090705413

dit_sam2_coil7_err_mean vs Slug, Sign Corrected



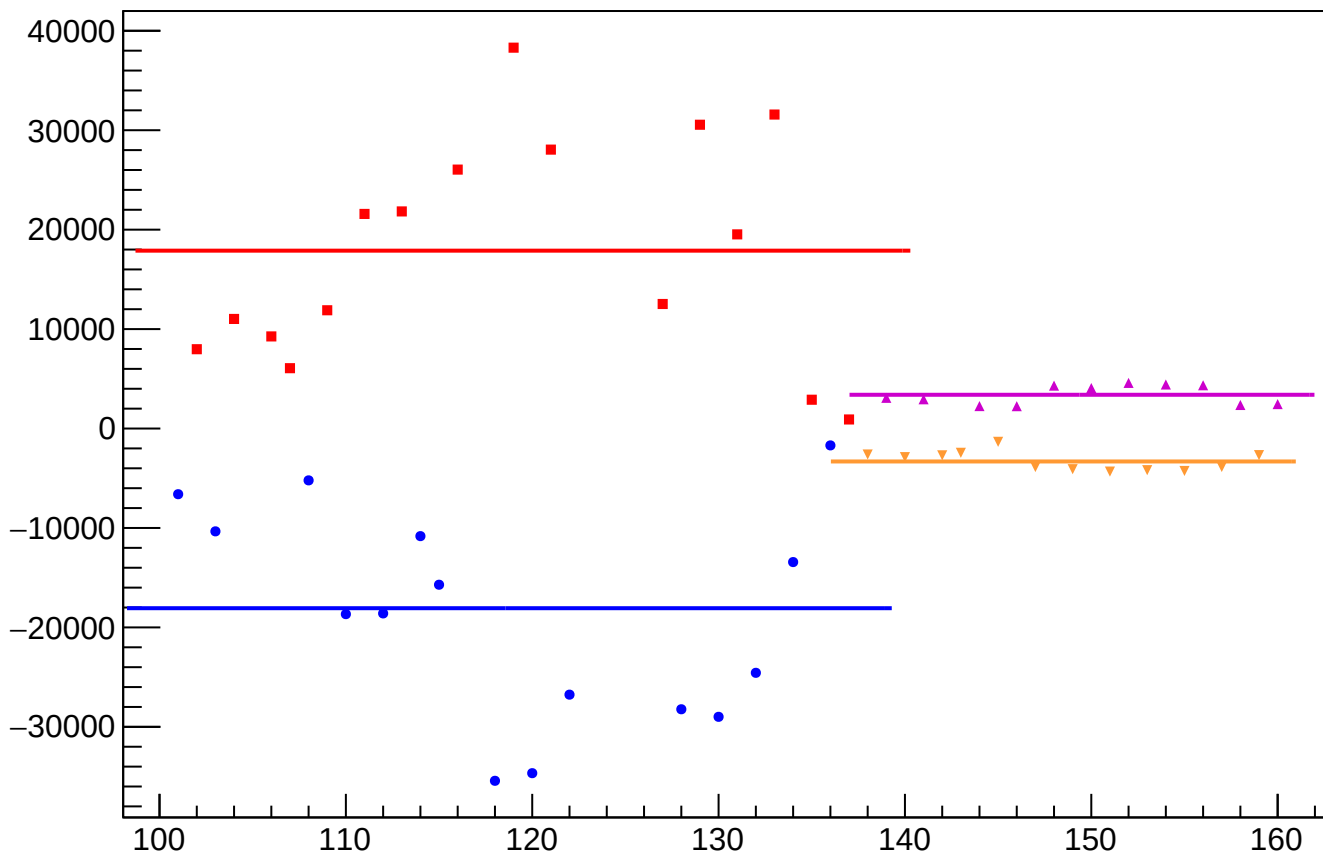
Right In: 1958.835 $\pm$ 0.000 χ^2 /NDF: 1189322999631358431600643692981190131712.0/14
 Left Out: 1082.769 $\pm$ 0.000 χ^2 /NDF: 42435467592938018504955570075058831360.0/11
 Right Out: -1797.392 $\pm$ 0.000 χ^2 /NDF: 955096623879958195657195074614240215040.0/15
 Left In: -1136.738 $\pm$ 0.000 χ^2 /NDF: 36660640388160233770492299797174681600.0/10
 All: 3.718 $\pm$ 0.000 χ^2 /NDF: 91340604590309

dit_sam2_coil7_Ndata_mean vs Slug, Sign Corrected



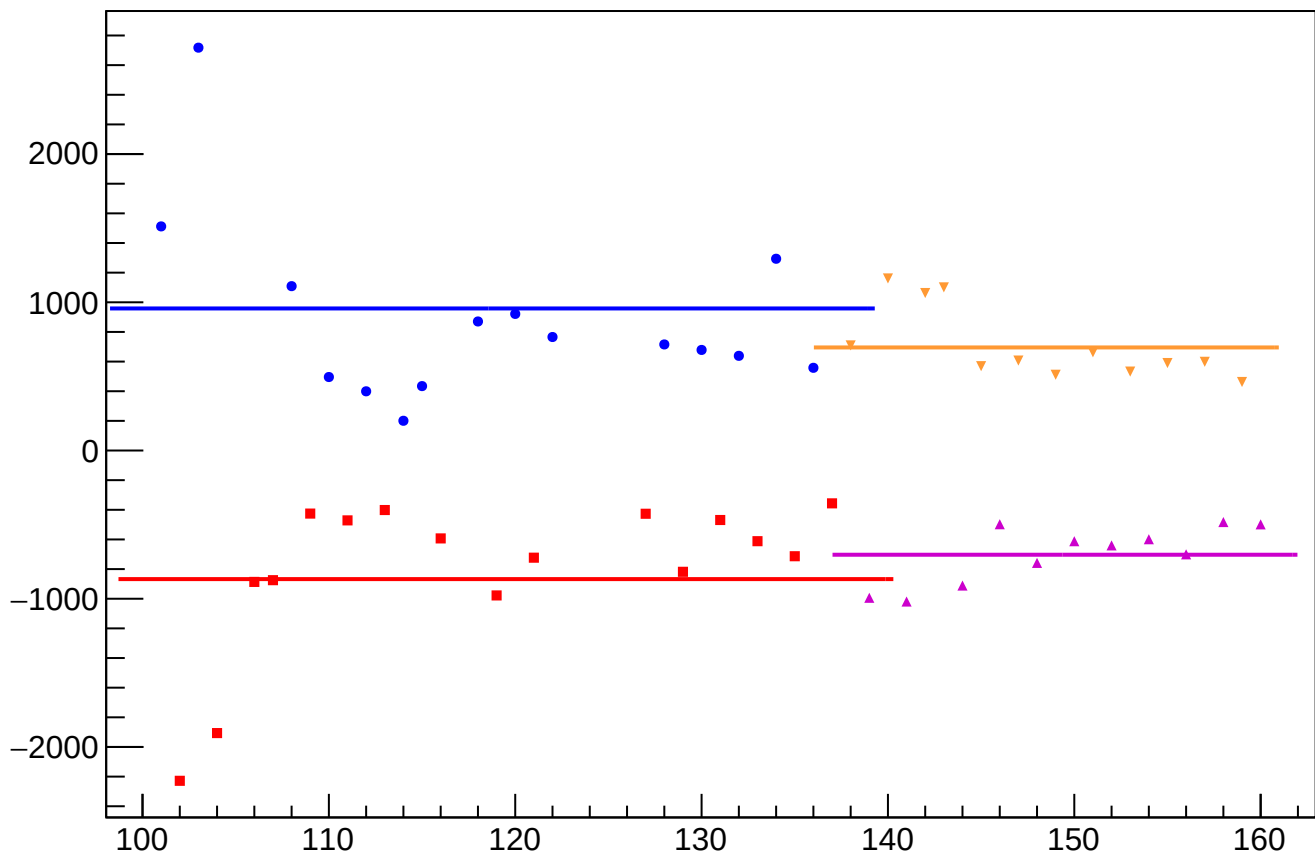
Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103 $\pm$ 0.000 χ^2 /NDF: 50788606804690292724539730503787347968.0/11
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 $\pm$ 0.000 χ^2 /NDF: 19255287383728205662654022867381911552.0/10
 All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_sam3_coil7_mean vs Slug, Sign Corrected



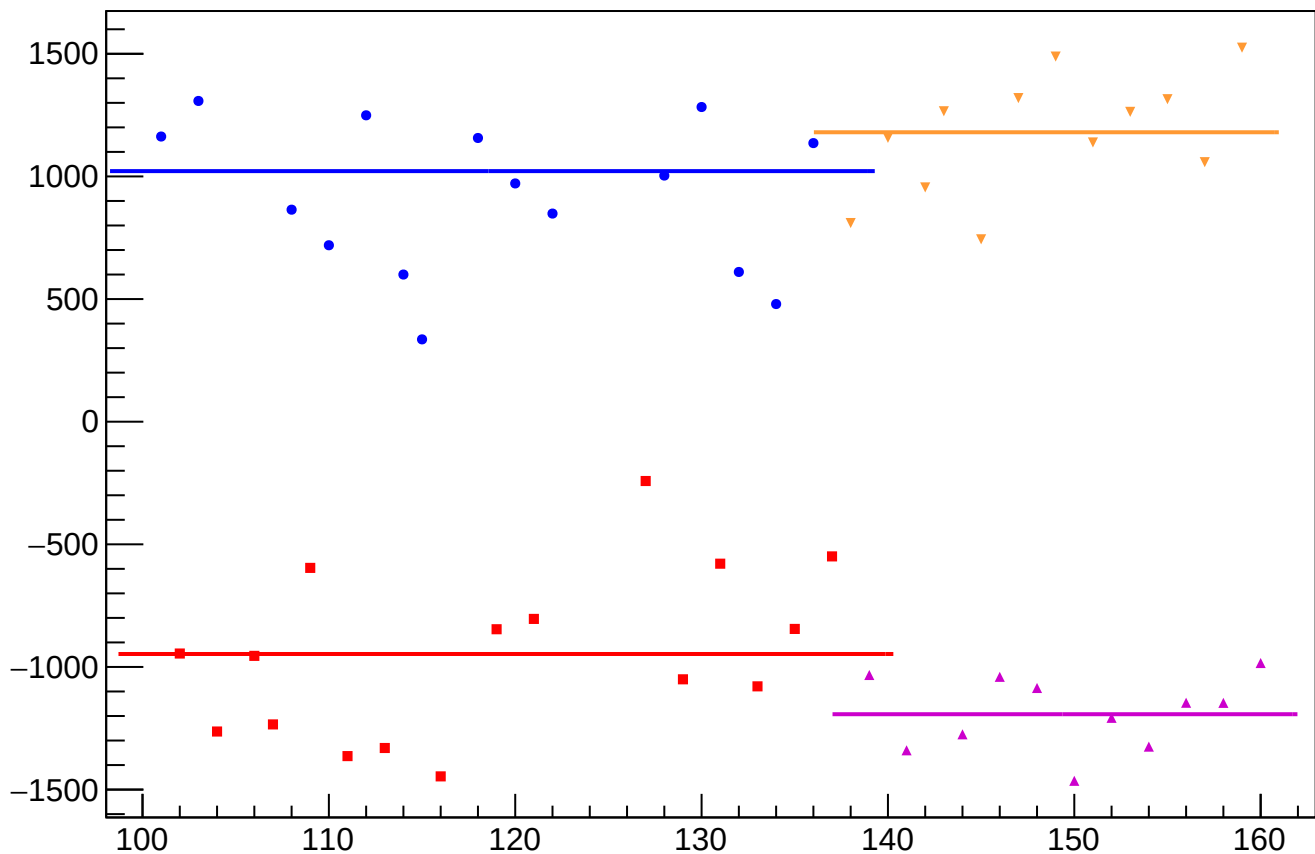
Left: 59.413+/-0.000 χ^2/NDF : 2224729910575058
 Right In: -18068.550+/-0.000 χ^2/NDF : 84312156443533553417760933497753760169984.0/14
 Right: 155.704+/-0.000 χ^2/NDF : 587997392225656
 Left Out: -3312.000+/-0.000 χ^2/NDF : 776933675153970093414497932746986356736.0/11
 In: -5460.979+/-0.000 χ^2/NDF : 260733217471185
 Right Out: 17888.149+/-0.000 χ^2/NDF : 78405915612914252869875231068795393015808.0/15
 Out: 5632.022+/-0.000 χ^2/NDF : 252490604130367
 Left In: 3394.339+/-0.000 χ^2/NDF : 804969095824057391704293669390893711360.0/10
 All: 99.590+/-0.000 χ^2/NDF : 6102518020061

dit_sam3_coil7_err_mean vs Slug, Sign Corrected



Right In: 958.411+/-0.000 χ^2/NDF : 264733105058522822278137197070739570688.0/14
 Left Out: 695.356+/-0.000 χ^2/NDF : 48004139750379541003610269806183317504.0/11
 Right Out: -867.538+/-0.000 χ^2/NDF : 216129851545166714122252317604488151040.0/15
 Left In: -703.169+/-0.000 χ^2/NDF : 32040531861451426969939944767733366784.0/10
 All: 9.254+/-0.000 χ^2/NDF : 25575818346098

dit_sam3_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

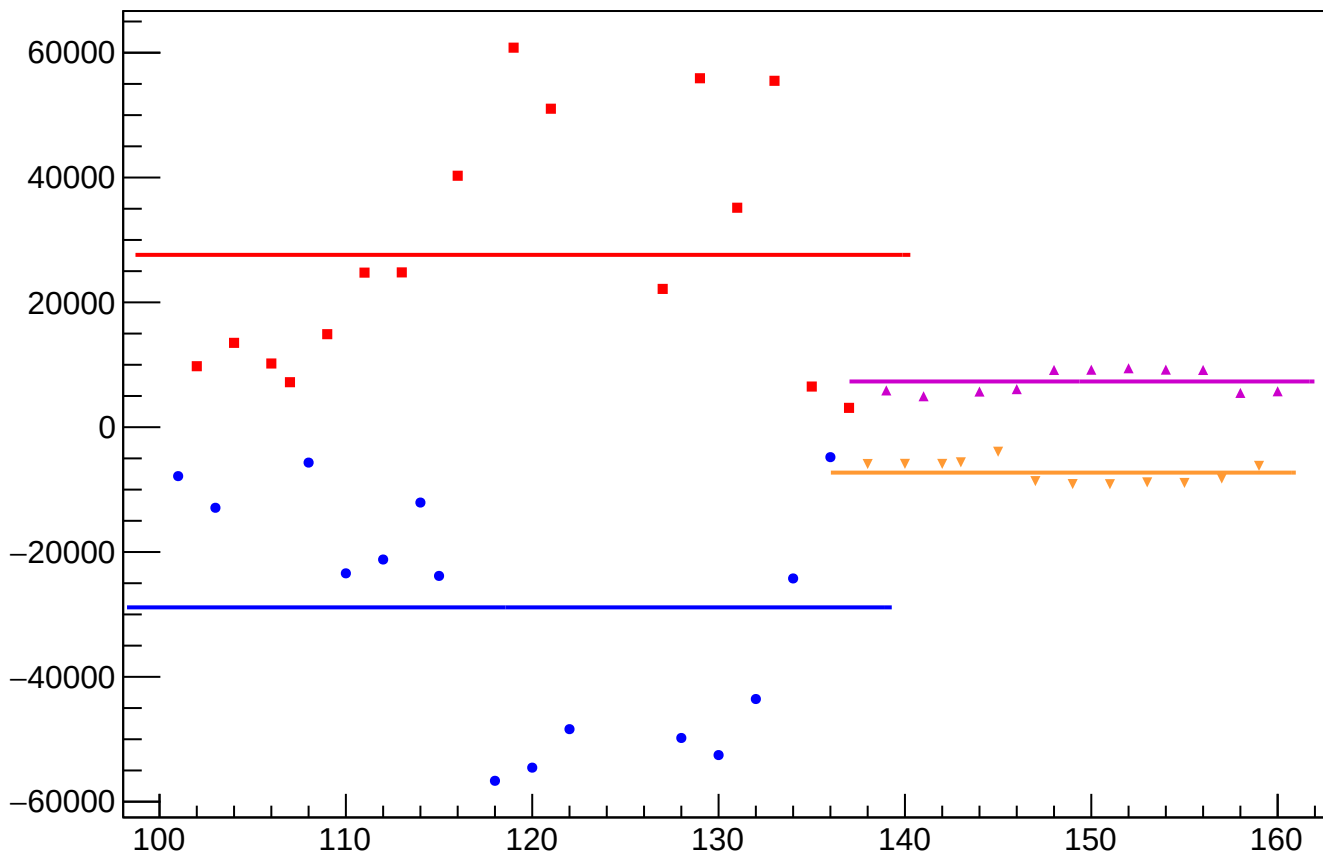
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

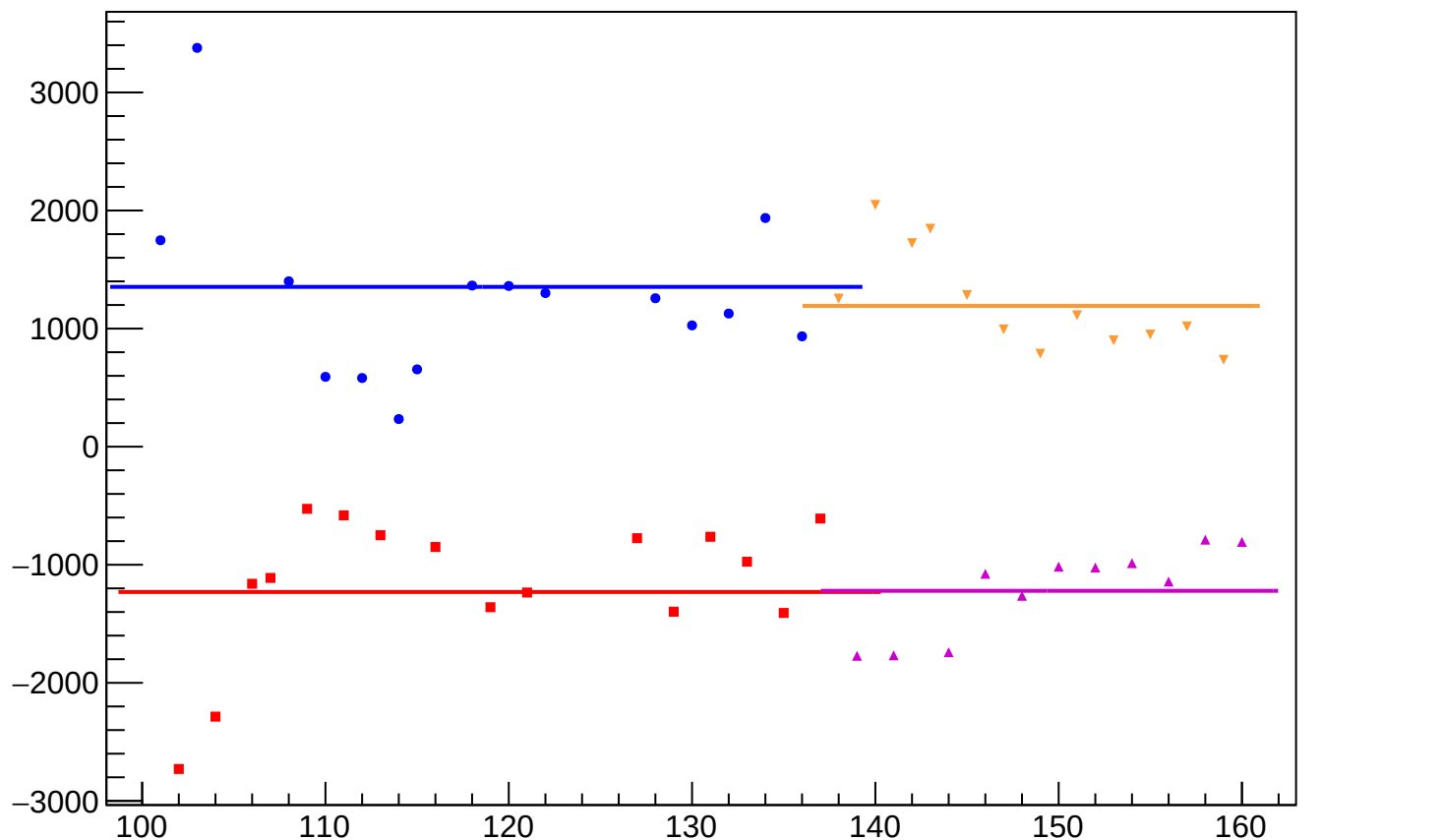
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam4_coil7_mean vs Slug, Sign Corrected



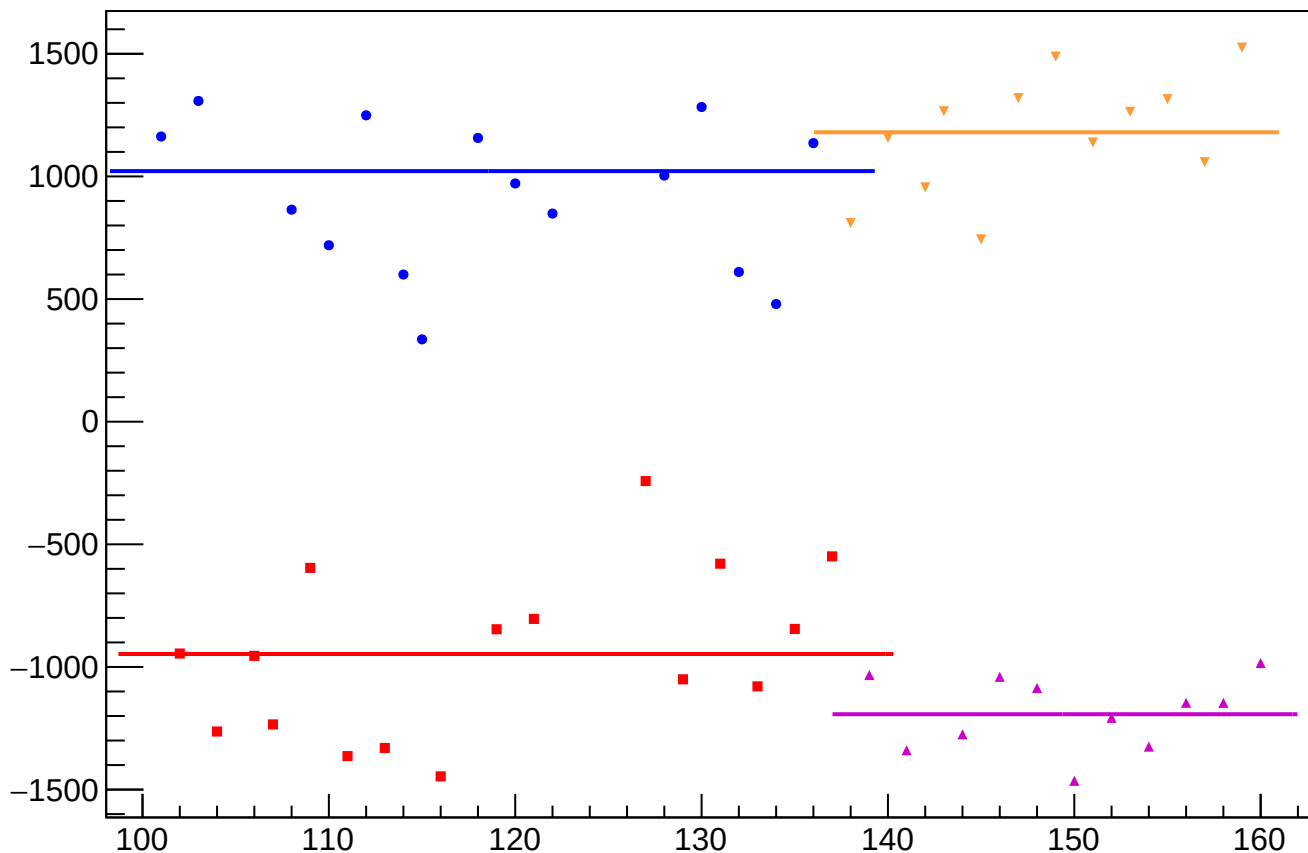
Right In: -28868.624+/-0.000 χ^2/NDF : 261450701095727362961367657926584124309504.0/14
 Left Out: -7277.886+/-0.000 χ^2/NDF : 2738867305918098068317388239234104557568.0/11
 Right Out: 27610.848+/-0.000 χ^2/NDF : 248097983477523504935751571384400118546432.0/15
 Left In: 7325.095+/-0.000 χ^2/NDF : 3045991167952377112422516937599716687872.0/10
 All: -64.332+/-0.000 χ^2/NDF : 166268033579

dit_sam4_coil7_err_mean vs Slug, Sign Corrected



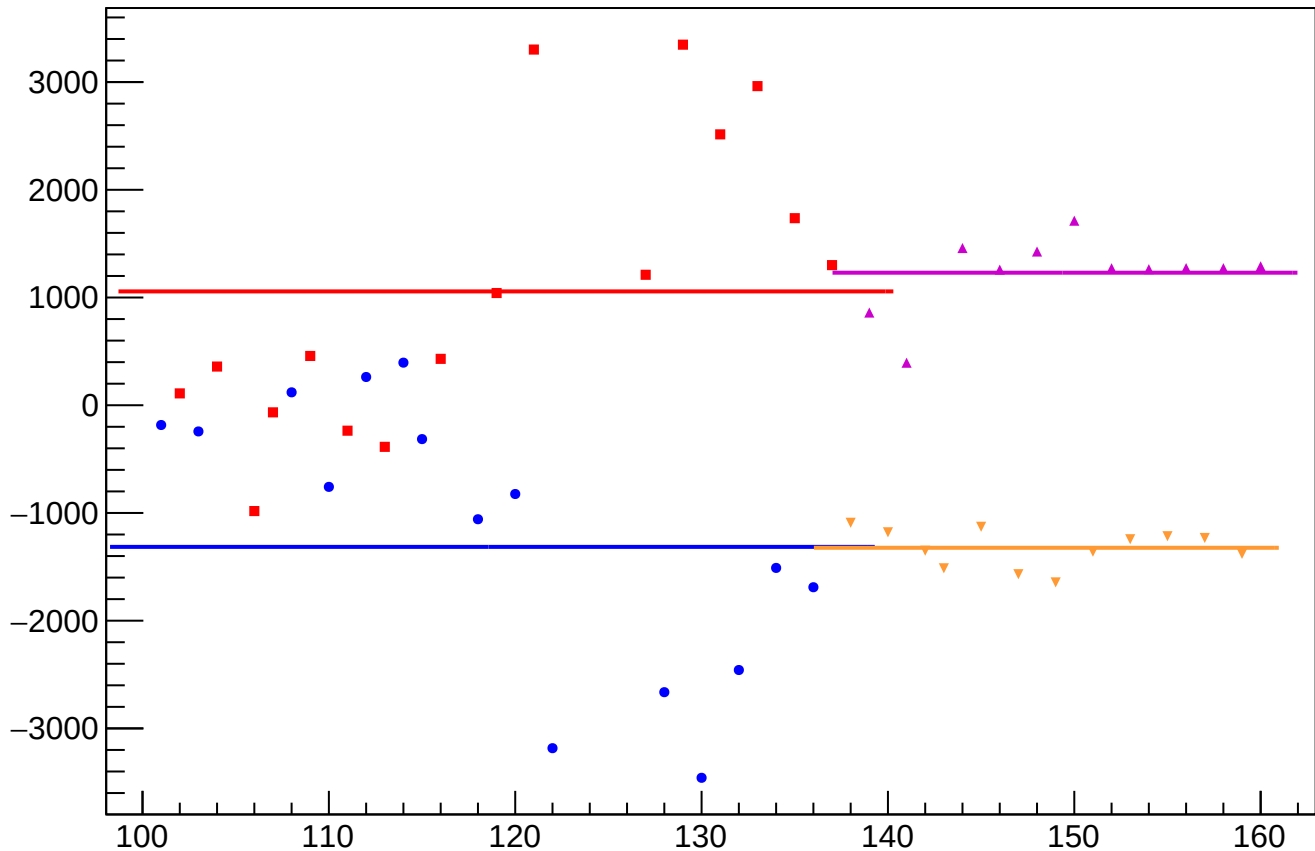
Right In: 1353.413 $\pm$ 0.000 χ^2 /NDF: 352887966702770713373861839880553758720.0/14
 Left Out: 1192.275 $\pm$ 0.000 χ^2 /NDF: 150893742871936420702627399426239365120.0/11
 Right Out: -1230.633 $\pm$ 0.000 χ^2 /NDF: 276989454129150005656872744539903754240.0/15
 Left In: -1220.761 $\pm$ 0.000 χ^2 /NDF: 116296897250486719965341990830940880896.0/10
 All: 6.116 $\pm$ 0.000 χ^2 /NDF: 57721489770329

dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected



Left: -12.747 +/- 0.000 χ^2/NDF : 2657013306605046
 Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Right: 23.805 +/- 0.000 χ^2/NDF : 1383338523153511
 Left Out: 1180.103 +/- 0.000 χ^2/NDF : 50788606804690292724539730503787347968.0/11
 In: -279.065 +/- 0.000 χ^2/NDF : 1929090788254319
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Out: 282.649 +/- 0.000 χ^2/NDF : 1863497273761245
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 19255287383728205662654022867381911552.0/10
 All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam5_coil7_mean vs Slug, Sign Corrected



Right In: -1314.782+/-0.000

Left Out: -1323.142+/-0.000

Right Out: 1056.765+/-0.000

Left In: 1230.430+/-0.000

χ^2/NDF : 966082368518203481544021644405645508608.0/14

χ^2/NDF : 27180584789293911694803613303409999872.0/11

χ^2/NDF : 1127141594187417021949832477353286041600.0/15

χ^2/NDF : 100431691068850056086409132460520505344.0/10

Left: -39.410+/-0.000 χ^2/NDF : 3123799611158754

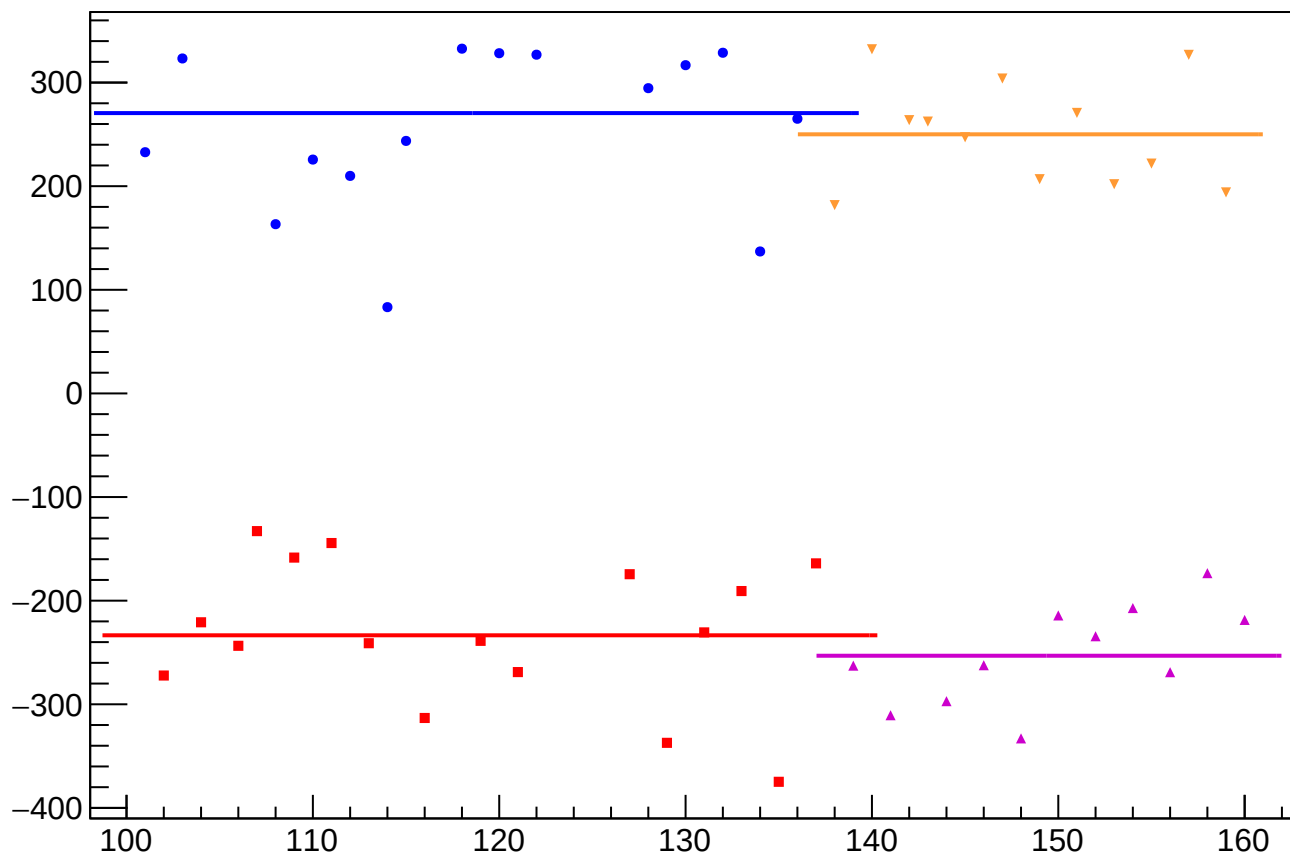
Right: -112.789+/-0.000 χ^2/NDF : 39432514405702

In: 180.308+/-0.000 χ^2/NDF : 35361660763294785

Out: -319.095+/-0.000 χ^2/NDF : 333836126374439

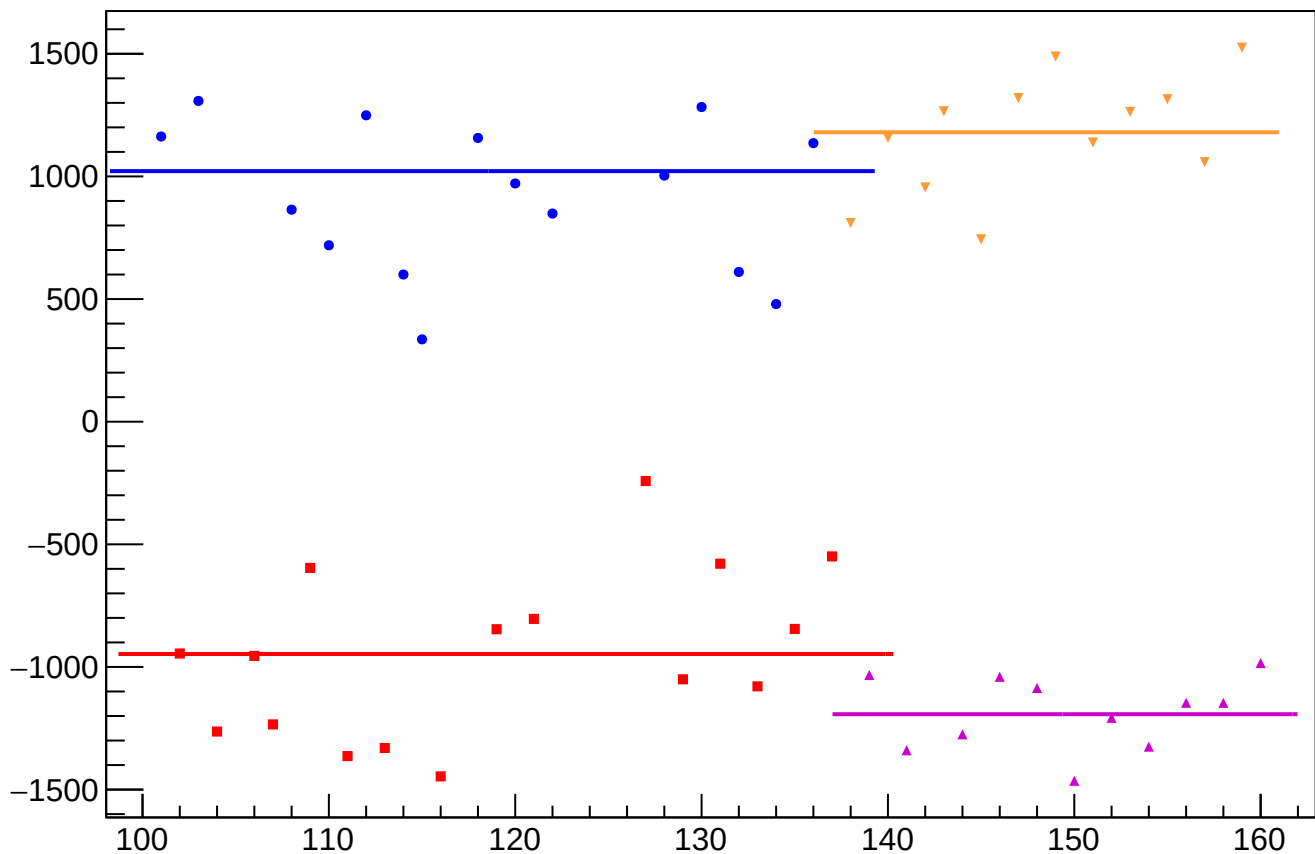
All: -70.027+/-0.000 χ^2/NDF : 707118050555

dit_sam5_coil7_err_mean vs Slug, Sign Corrected



Right In: 270.538 $\pm$ 0.000 χ^2 /NDF: 2473839905347950323907848405170257920.0/14
 Left Out: 250.055 $\pm$ 0.000 χ^2 /NDF: 2329396041694824766683600755668025344.0/11
 Right Out: -233.421 $\pm$ 0.000 χ^2 /NDF: 3048529087317888615064010247743995904.0/15
 Left In: -253.145 $\pm$ 0.000 χ^2 /NDF: 1980196841930298045035907903943344128.0/10
 All: 4.607 $\pm$ 0.000 χ^2 /NDF: 20997016075743

dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

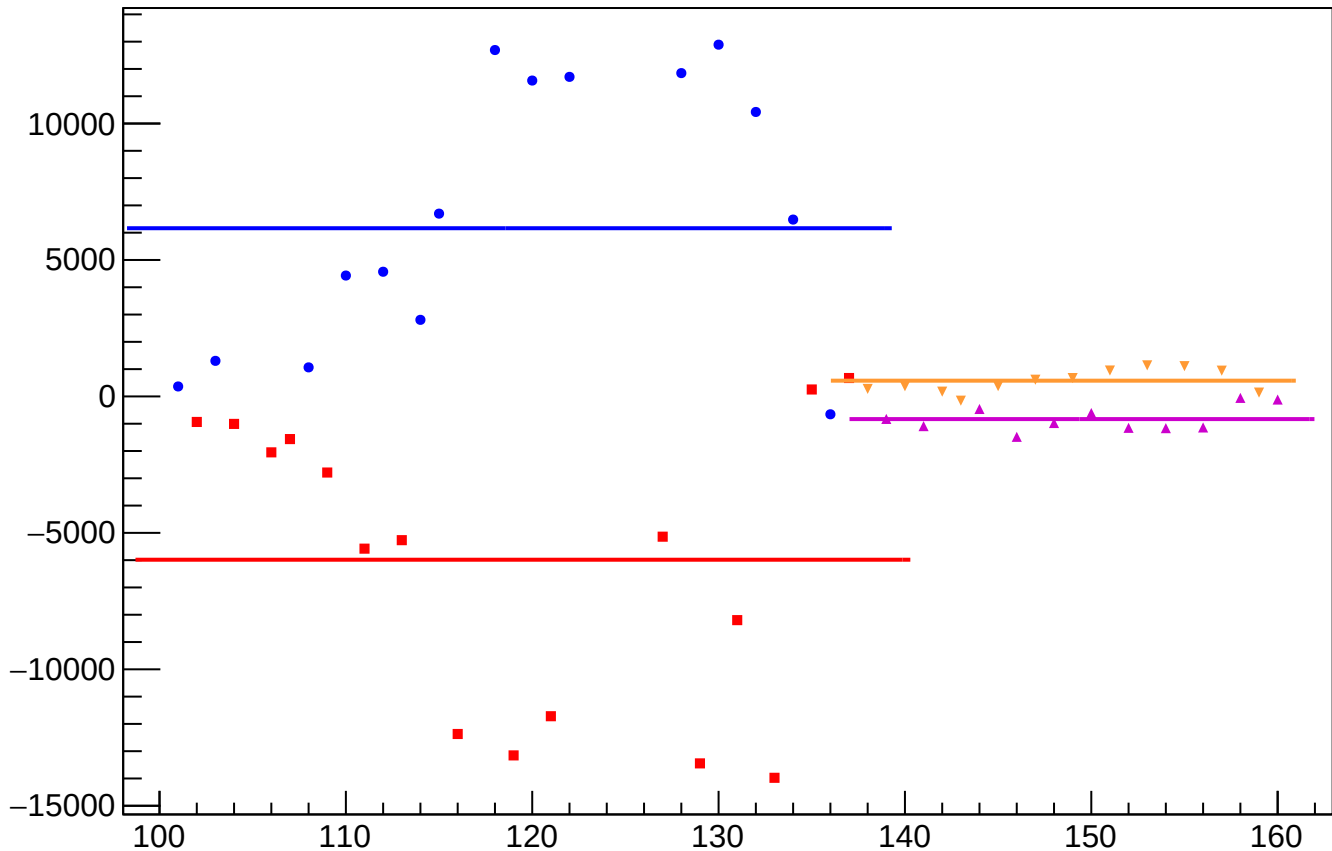
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

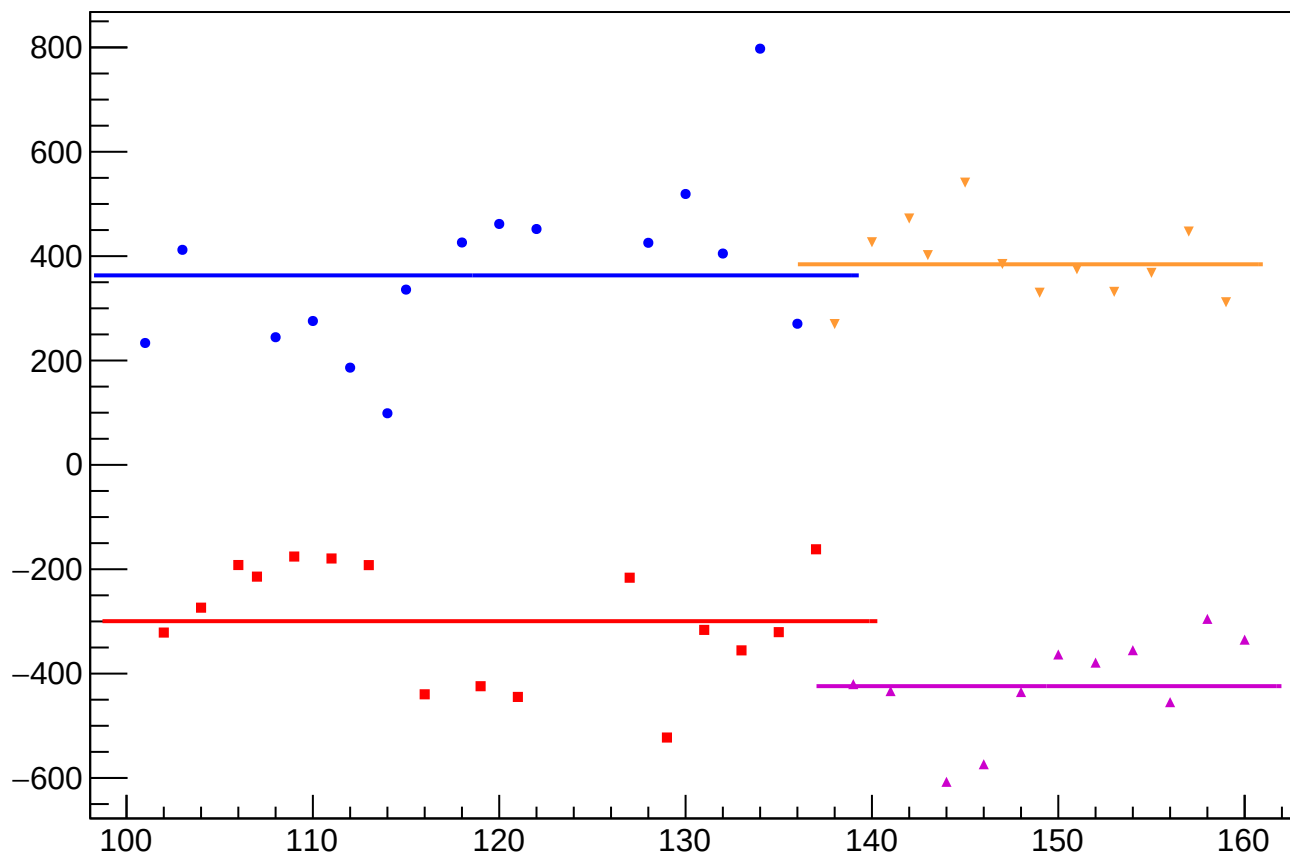
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam6_coil7_mean vs Slug, Sign Corrected



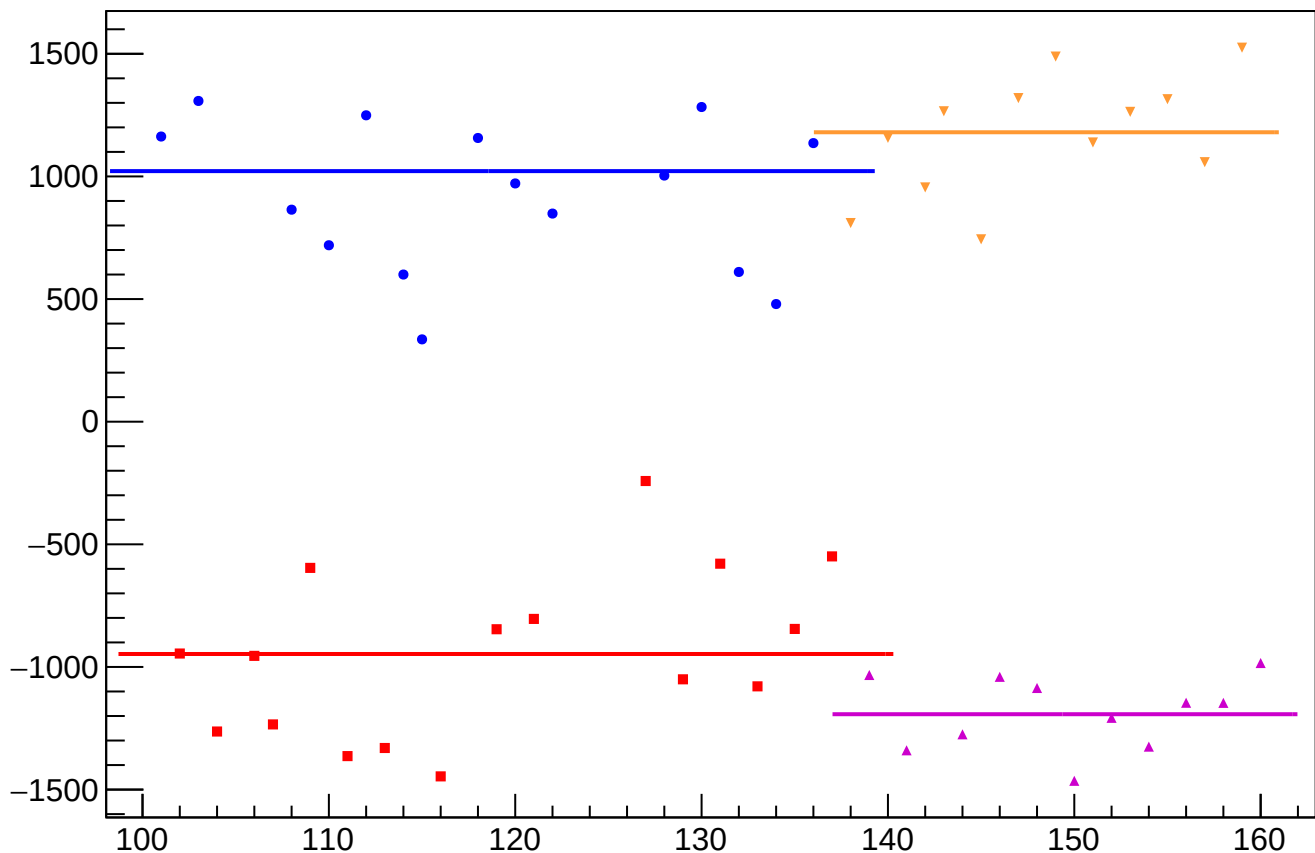
Right In: 6163.445+/-0.000 χ^2/NDF : 18200622549026770504746300139009854144512.0/14
 Left Out: 577.285+/-0.000 χ^2/NDF : 143964932817712353720884813497116917760.0/11
 Right Out: -5983.876+/-0.000 χ^2/NDF : 17505201913276273559161088764155841740800.0/15
 Left In: -830.587+/-0.000 χ^2/NDF : 172337092403726273197356020615128023040.0/10
 All: -73.239+/-0.000 χ^2/NDF : 854846167938

dit_sam6_coil7_err_mean vs Slug, Sign Corrected



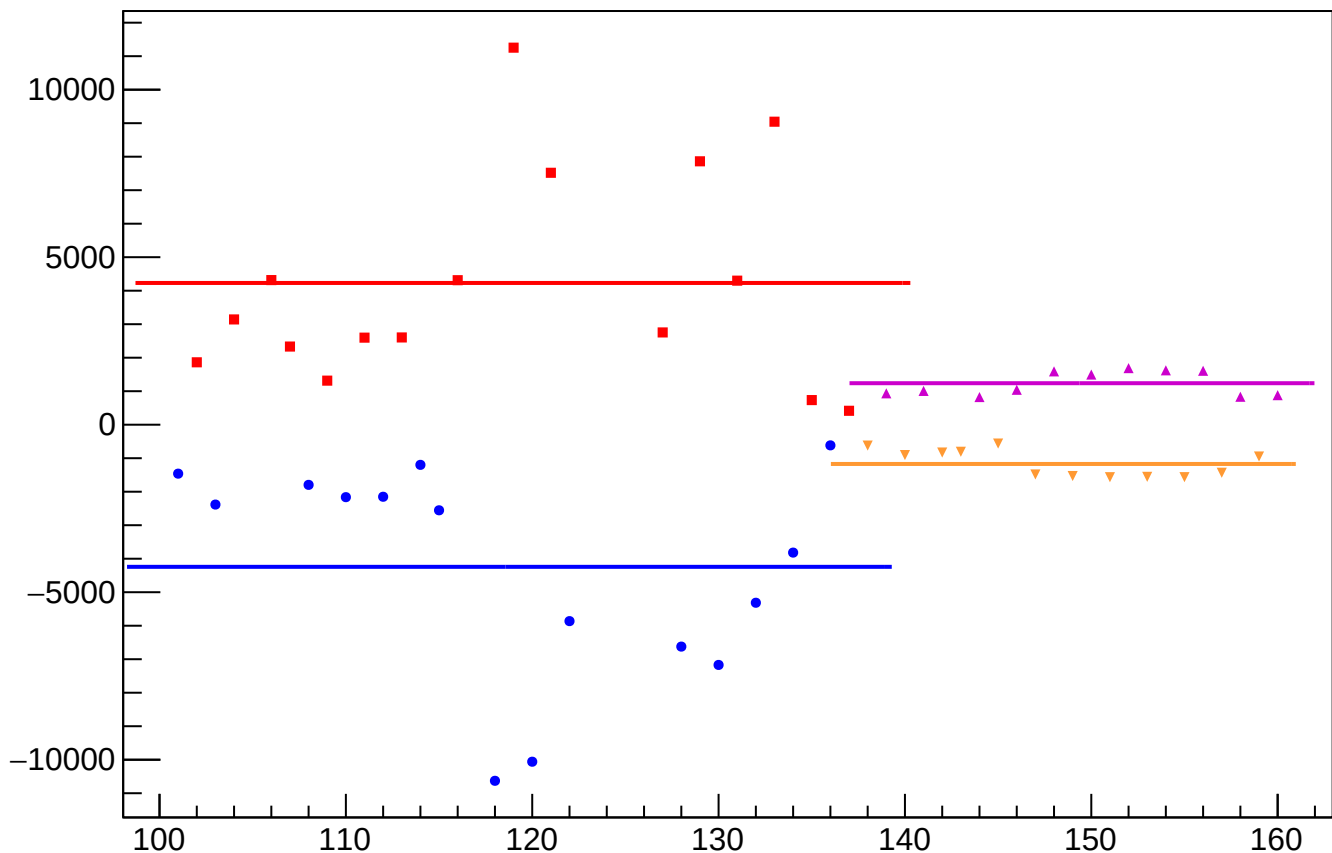
Left: -22.018 ± 0.000 χ^2/NDF : 3128182165483401
 Right In: 363.133 ± 0.000 χ^2/NDF : 11502791697076456426435998277995331584.0/14
 Right: 27.278 ± 0.000 χ^2/NDF : 1636258096450768
 Left Out: 384.397 ± 0.000 χ^2/NDF : 4703352228141784942428920611126378496.0/11
 In: -99.259 ± 0.000 χ^2/NDF : 25553843980228518
 Right Out: -299.514 ± 0.000 χ^2/NDF : 7685497318744225218354652828984672256.0/15
 Out: 95.865 ± 0.000 χ^2/NDF : 19274864098076935
 Left In: -424.034 ± 0.000 χ^2/NDF : 7812894231718086106241094868881375232.0/10
 All: -1.449 ± 0.000 χ^2/NDF : 4783076167376

dit_sam6_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103+/-0.000 χ^2/NDF : 50788606804690292724539730503787347968.0/11
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687+/-0.000 χ^2/NDF : 19255287383728205662654022867381911552.0/10
 All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam7_coil7_mean vs Slug, Sign Corrected



Right In: -4242.174 $\pm$ 0.000

χ^2/NDF : 6783472272174151371145601081742110752768.0/14

Left Out: -1171.784 $\pm$ 0.000

χ^2/NDF : 137401425112319786783295403719378599936.0/11

Right Out: 4230.978 $\pm$ 0.000

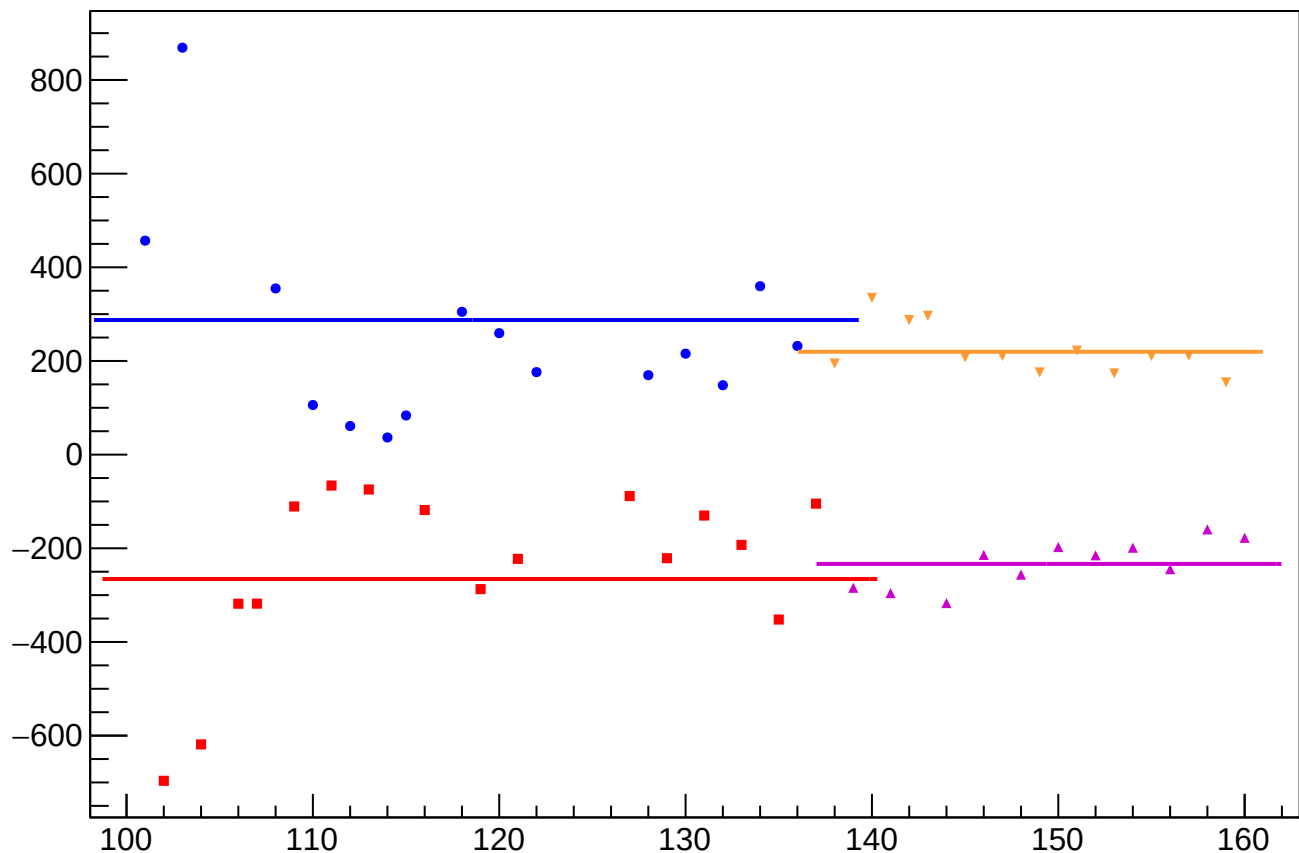
χ^2/NDF : 6682409528103016752204343573740930465792.0/15

Left In: 1238.776 $\pm$ 0.000

χ^2/NDF : 111339045659652616720712870833504124928.0/10

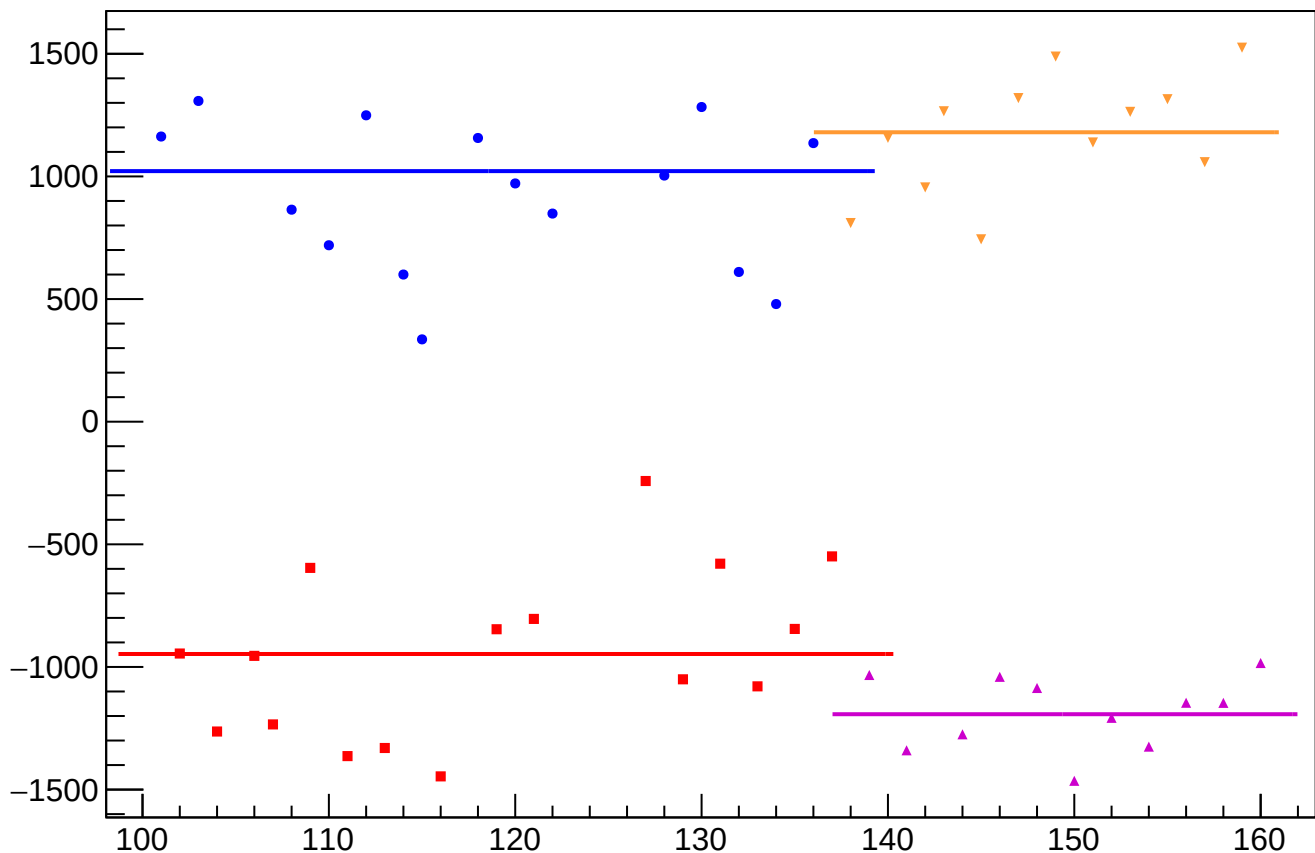
Left: 40.054 $\pm$ 0.000 χ^2/NDF : 29187236314249197
 Right: 52.349 $\pm$ 0.000 χ^2/NDF : 3708179263230228
 In: -1022.595 $\pm$ 0.000 χ^2/NDF : 183472960455815
 Out: 1107.560 $\pm$ 0.000 χ^2/NDF : 180754931945864
 All: 45.184 $\pm$ 0.000 χ^2/NDF : 4000063219777

dit_sam7_coil7_err_mean vs Slug, Sign Corrected



Left: -8.095 +/- 0.000 χ^2/NDF : 98946310660581678
 Right: 7.151 +/- 0.000 χ^2/NDF : 15597171601313483
 In: -18.498 +/- 0.000 χ^2/NDF : 13511313369967268
 Out: 14.946 +/- 0.000 χ^2/NDF : 11910121360268258
 All: -1.734 +/- 0.000 χ^2/NDF : 2550962914121

dit_sam7_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1180.103 +/- 0.000

χ^2/NDF : 50788606804690292724539730503787347968.0/11

Right Out: -947.145 +/- 0.000

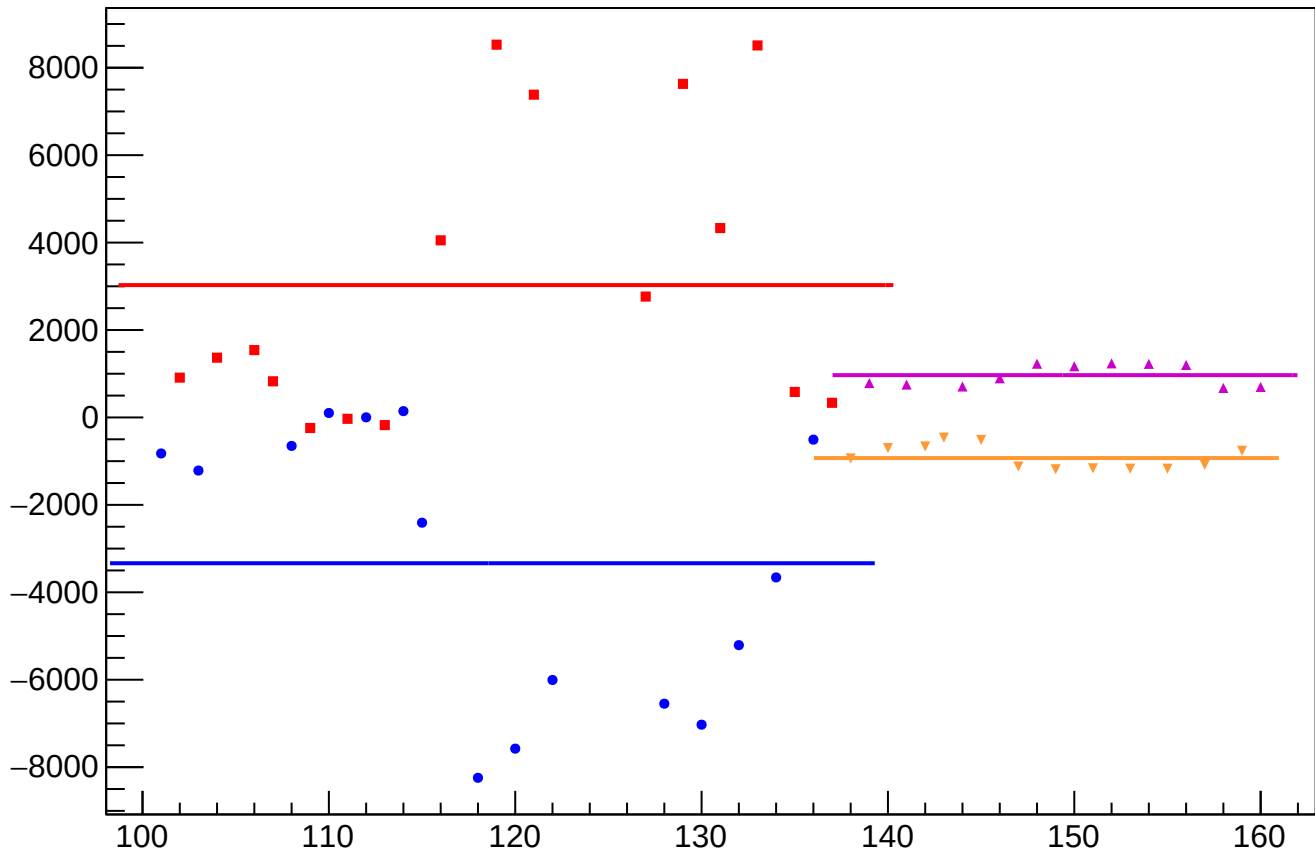
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam8_coil7_mean vs Slug, Sign Corrected



Right In: -3335.273+/-0.000

χ^2/NDF : 6338087251589637529030075517152423575552.0/14

Left Out: -928.862+/-0.000

χ^2/NDF : 62250510021534104734591710459968094208.0/11

Right Out: 3027.603+/-0.000

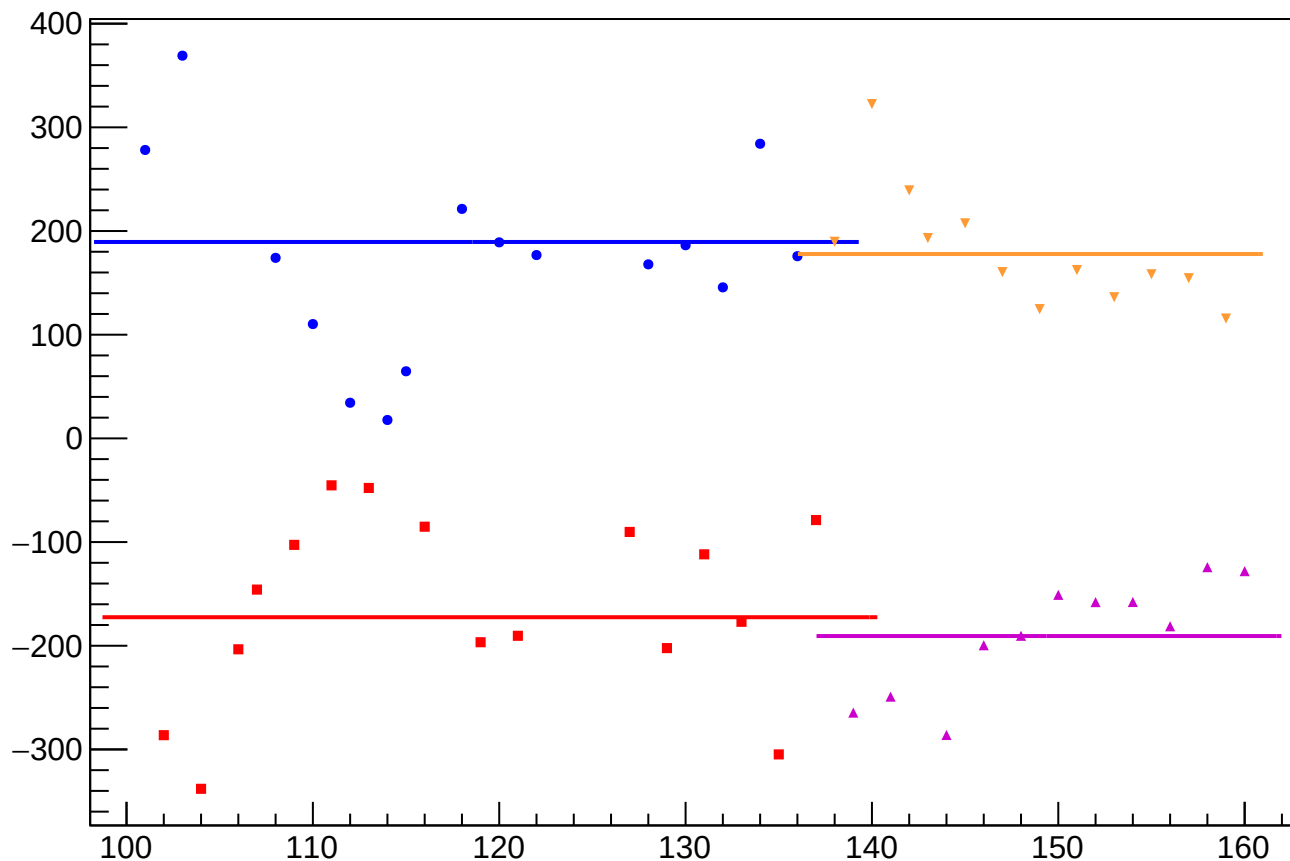
χ^2/NDF : 7086157086694396583090903767581326311424.0/15

Left In: 967.568+/-0.000

χ^2/NDF : 51461881619401718567497787720865939456.0/10

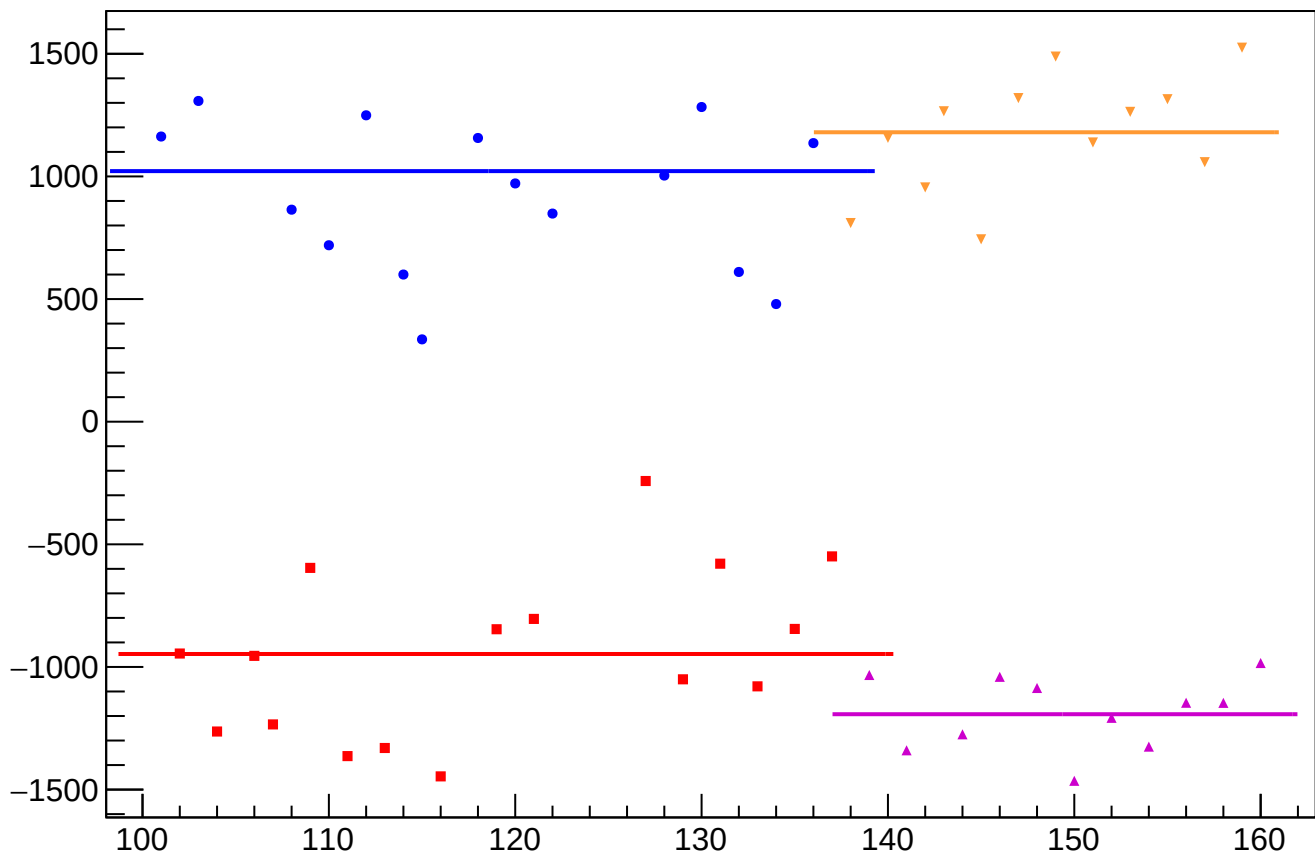
All: -31.746+/-0.000 χ^2/NDF : 285218808380

dit_sam8_coil7_err_mean vs Slug, Sign Corrected



Right In: 189.442 +/- 0.000 χ^2/NDF : 4707234253929700721726064108794544128.0/14
 Left Out: 177.811 +/- 0.000 χ^2/NDF : 2793392529927944860081581234505908224.0/11
 Right Out: -172.485 +/- 0.000 χ^2/NDF : 5594813408996728261938711470404534272.0/15
 Left In: -190.641 +/- 0.000 χ^2/NDF : 2536070386684067132001548898091925504.0/10
 All: -1.818 +/- 0.000 χ^2/NDF : 1212358862395

dit_sam8_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

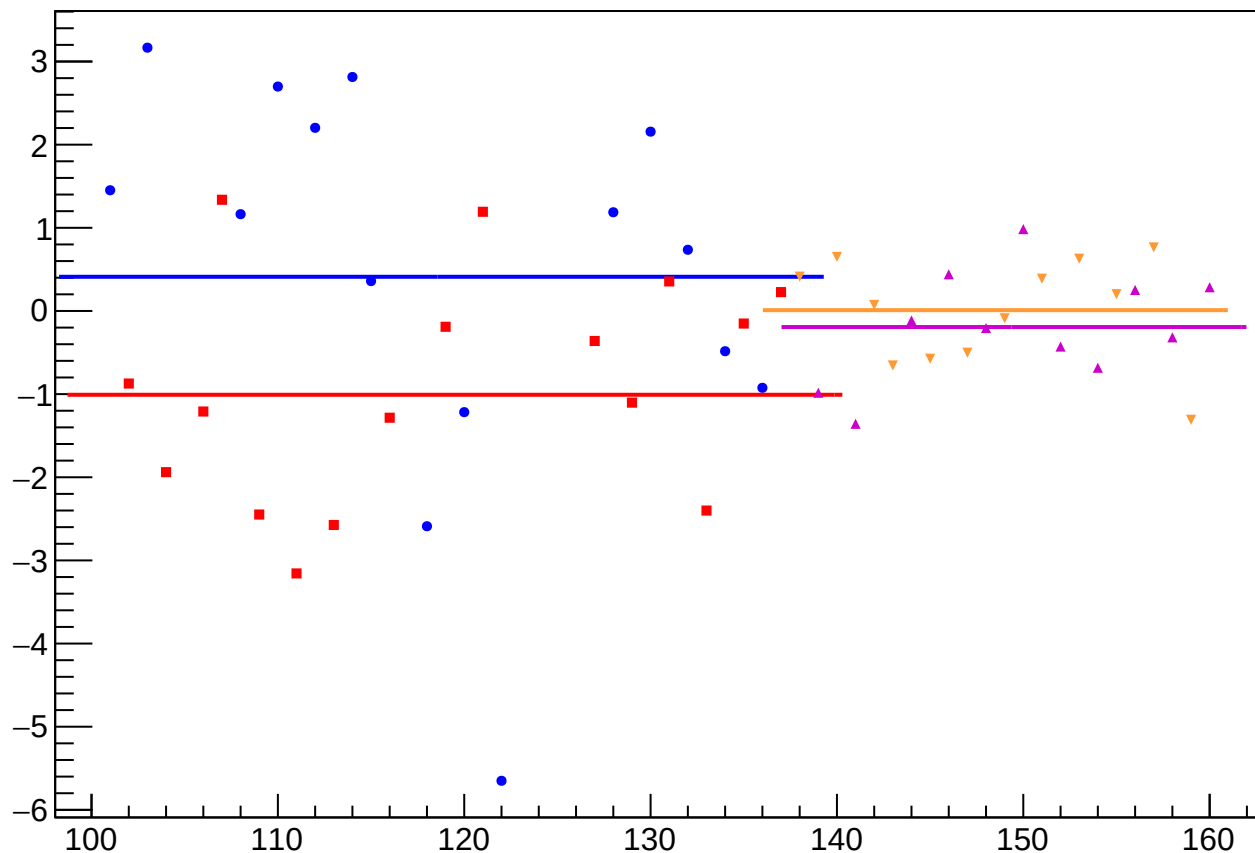
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

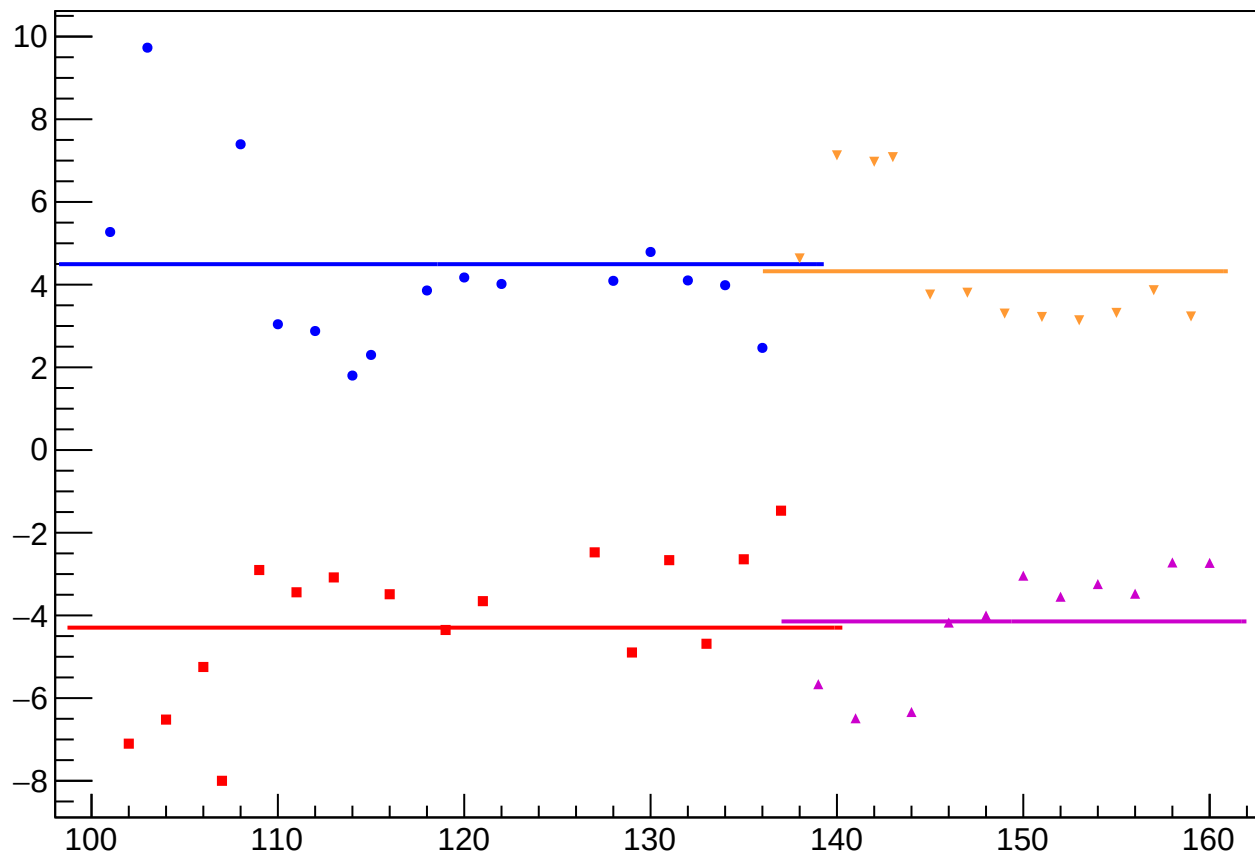
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4aX_coil4_mean vs Slug, Sign Corrected



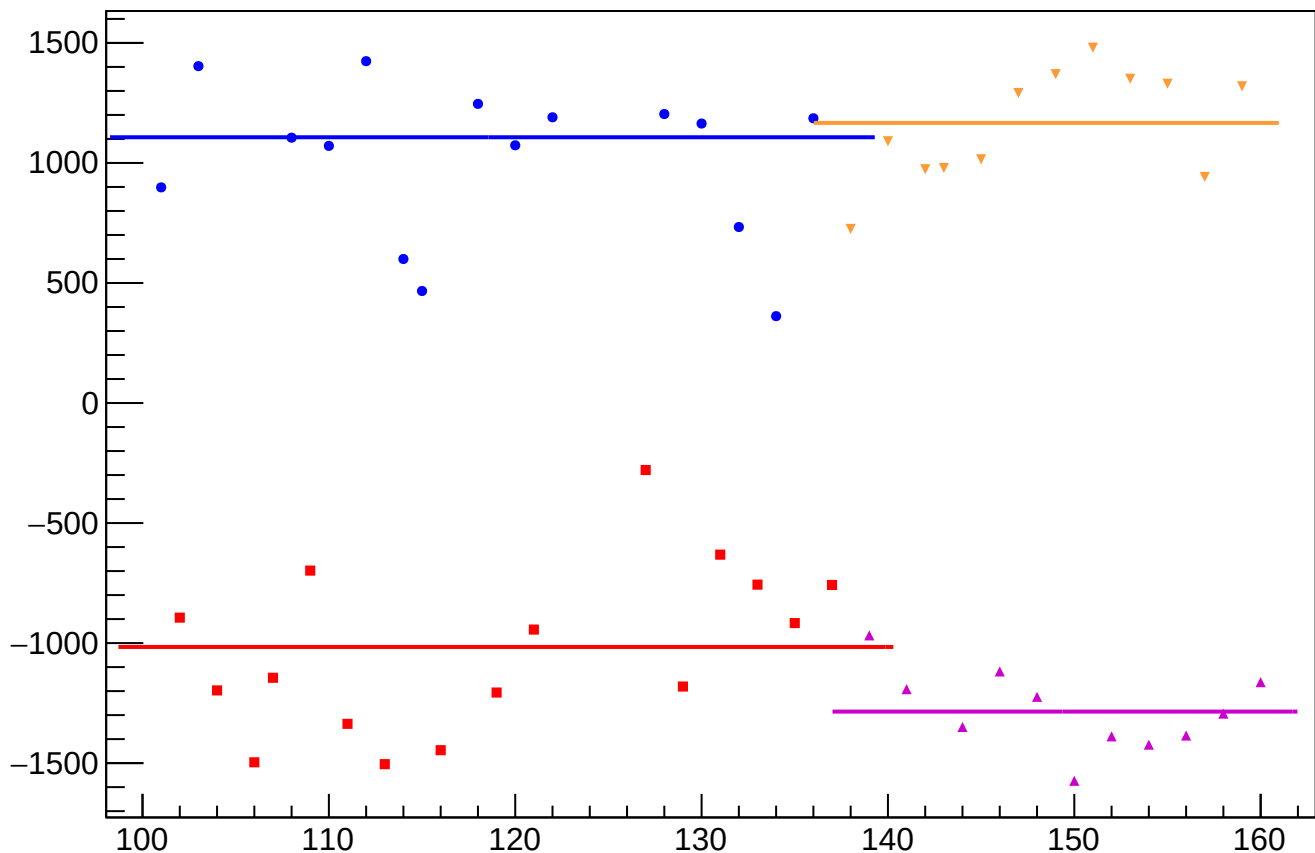
Left: -0.092 ± 0.000 χ^2/NDF : 75962986262153938
 Right In: 0.411 ± 0.000 χ^2/NDF : 3385573506255563170053089820409856.0/14
 Right: -0.308 ± 0.000 χ^2/NDF : 5176319865553172
 Left Out: 0.010 ± 0.000 χ^2/NDF : 354573516648160349272665694928896.0/11
 In: 0.056 ± 0.000 χ^2/NDF : 3911027921110747740
 Right Out: -1.008 ± 0.000 χ^2/NDF : 1128402228144096394498047410700288.0/15
 Out: -0.420 ± 0.000 χ^2/NDF : 18821275639677026
 Left In: -0.193 ± 0.000 χ^2/NDF : 386133523330033860307880234713088.0/10
 All: -0.182 ± 0.000 χ^2/NDF : 5971597389441

dit_4aX_coil4_err_mean vs Slug, Sign Corrected



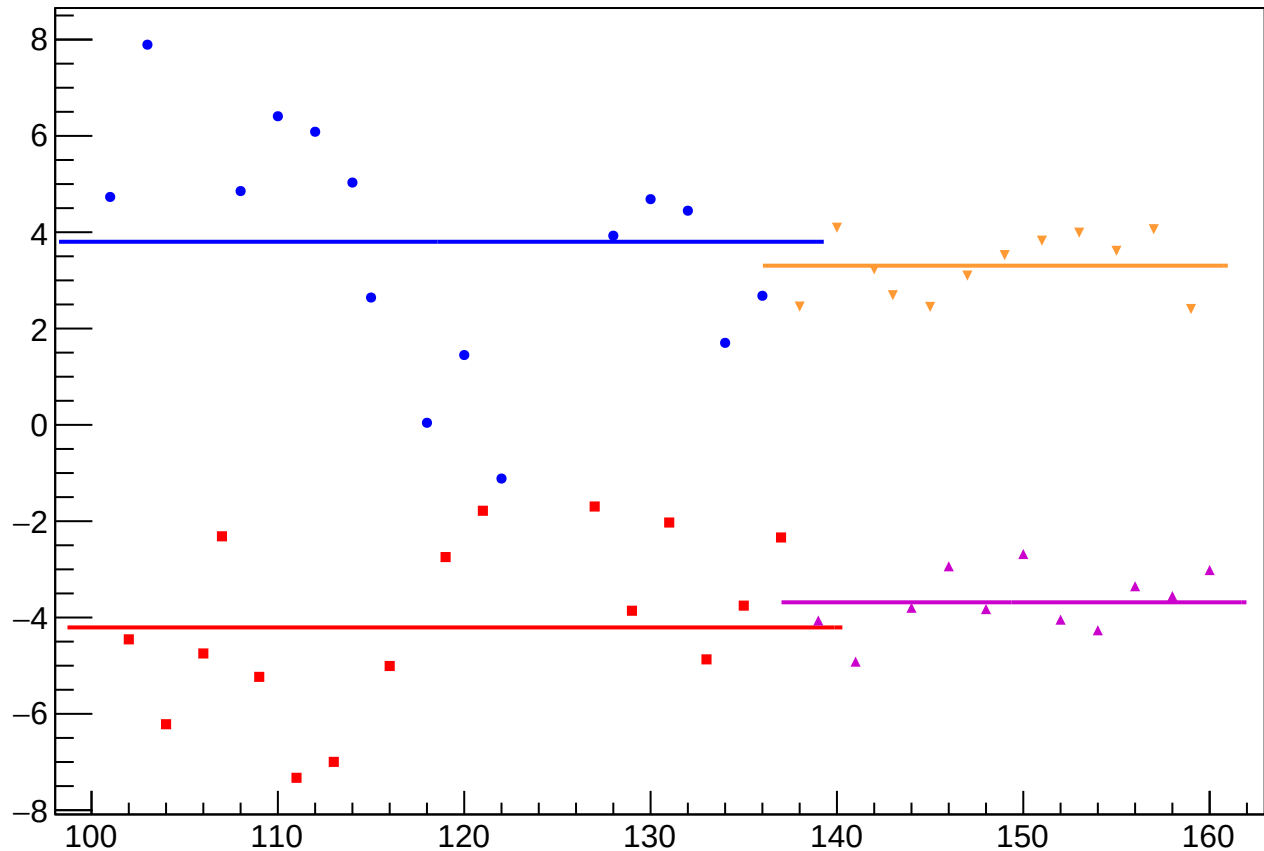
Right In: 4.495 $\pm$ 0.000 χ^2 /NDF: 2742240072441097531500728791597056.0/14
 Left Out: 4.324 $\pm$ 0.000 χ^2 /NDF: 2025534969388950058407109119180800.0/11
 Right Out: -4.296 $\pm$ 0.000 χ^2 /NDF: 2011925707062051890381007475441664.0/15
 Left In: -4.145 $\pm$ 0.000 χ^2 /NDF: 1645942604303349608571849827942400.0/10
 All: 0.055 $\pm$ 0.000 χ^2 /NDF: 66802270544338

dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected



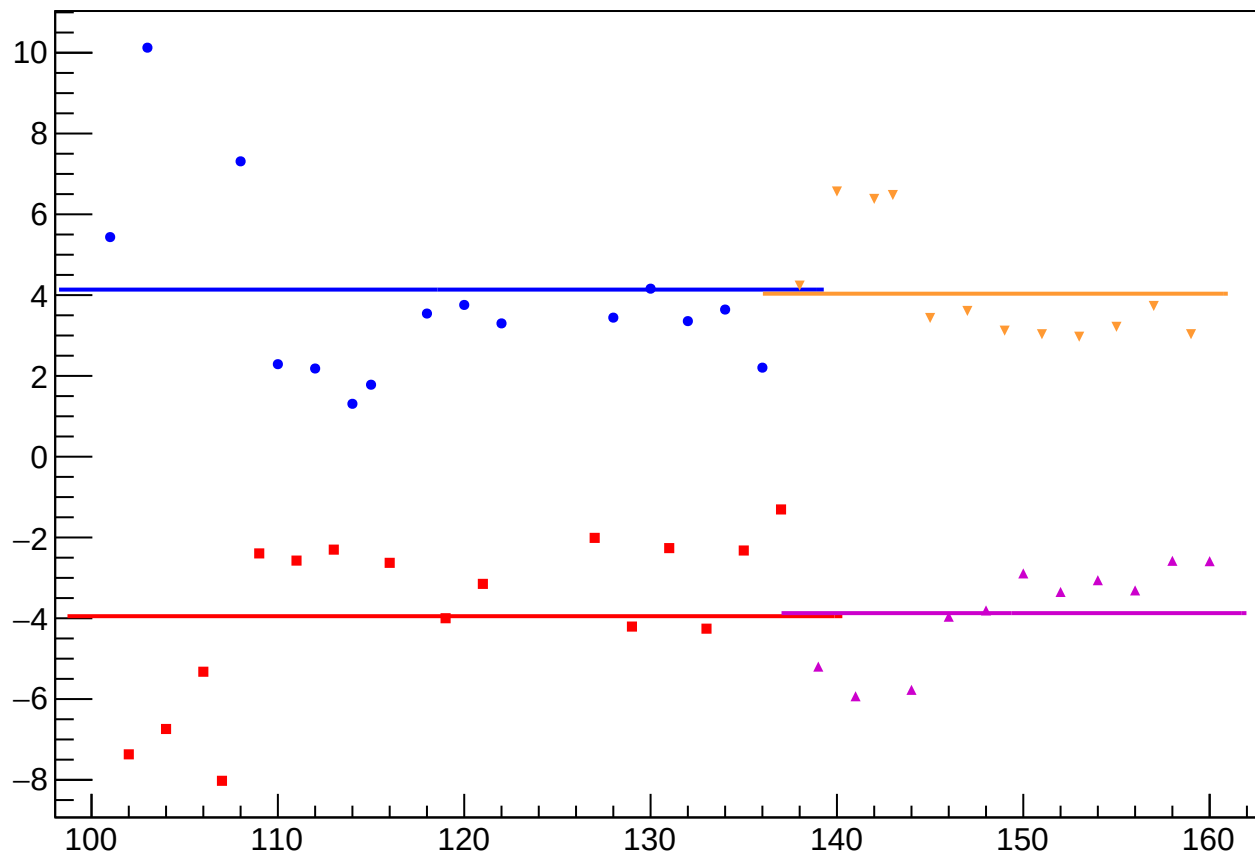
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_4eX_coil4_mean vs Slug, Sign Corrected



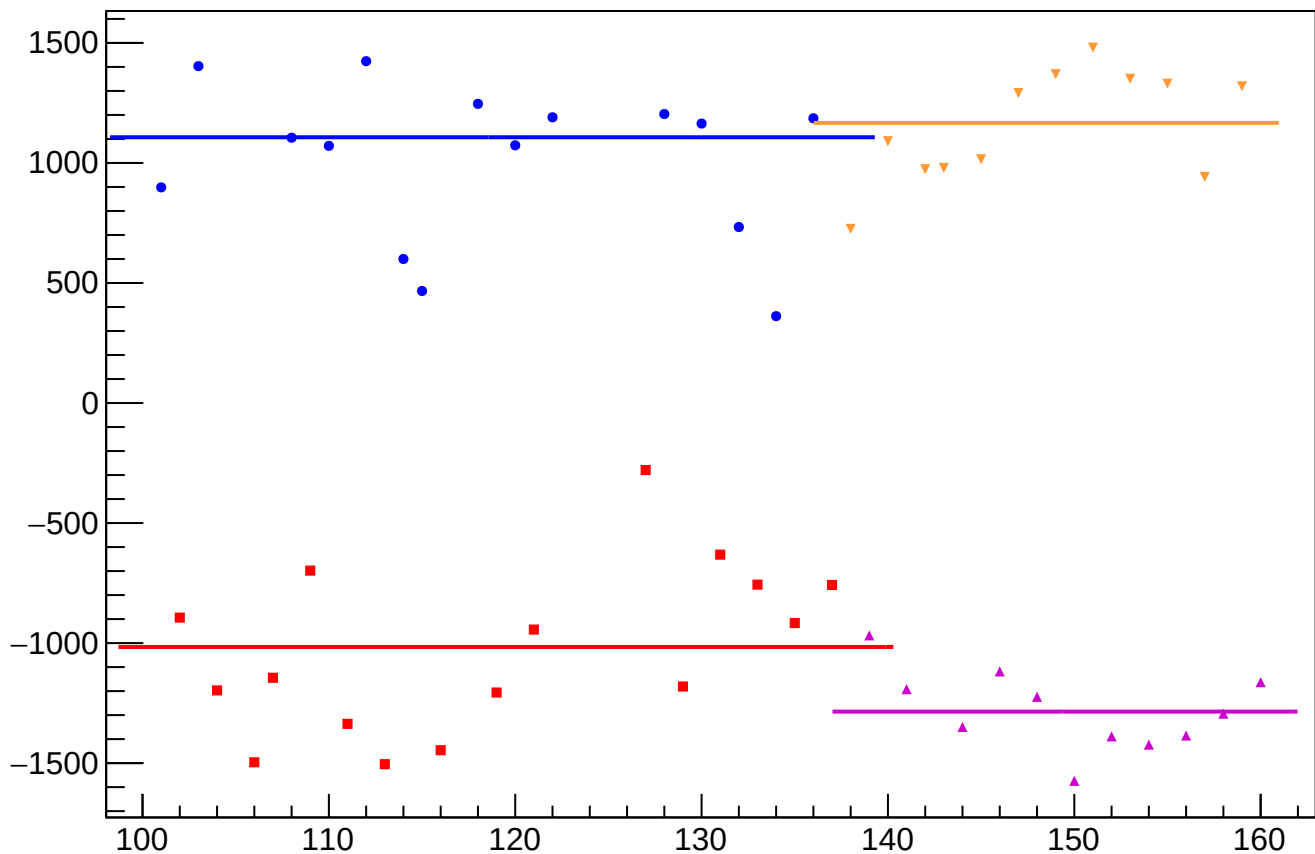
Right In: 3.802 ± 0.000 $\chi^2/\text{NDF}: 3795476074398338930564700657680384.0/14$
 Left Out: 3.305 ± 0.000 $\chi^2/\text{NDF}: 375514605339805624898679558111232.0/11$
 Right Out: -4.206 ± 0.000 $\chi^2/\text{NDF}: 2096427813341454573332265183477760.0/15$
 Left In: -3.684 ± 0.000 $\chi^2/\text{NDF}: 366001419656422310601850072596480.0/10$
 All: -0.229 ± 0.000 $\chi^2/\text{NDF}: 5017617766780$

dit_4eX_coil4_err_mean vs Slug, Sign Corrected



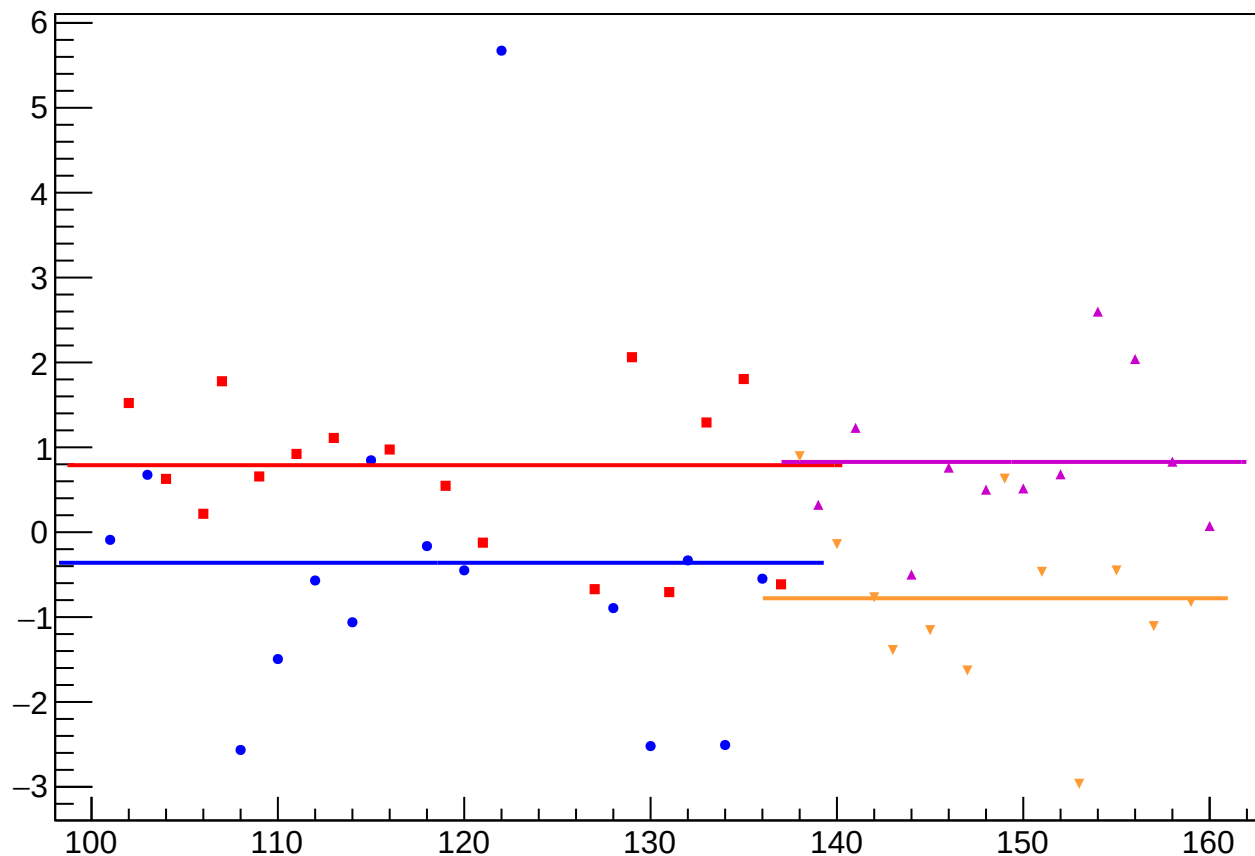
Right In: 4.136 $\pm$ 0.000 χ^2 /NDF: 3507600624388663919898505496231936.0/14
 Left Out: 4.035 $\pm$ 0.000 χ^2 /NDF: 16092990613525785486150138363904.0/11
 Right Out: -3.948 $\pm$ 0.000 χ^2 /NDF: 2670176783942302028345551100051456.0/15
 Left In: -3.873 $\pm$ 0.000 χ^2 /NDF: 1278598291391127694323835331411968.0/10
 All: 0.051 $\pm$ 0.000 χ^2 /NDF: 59300481694443

dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected



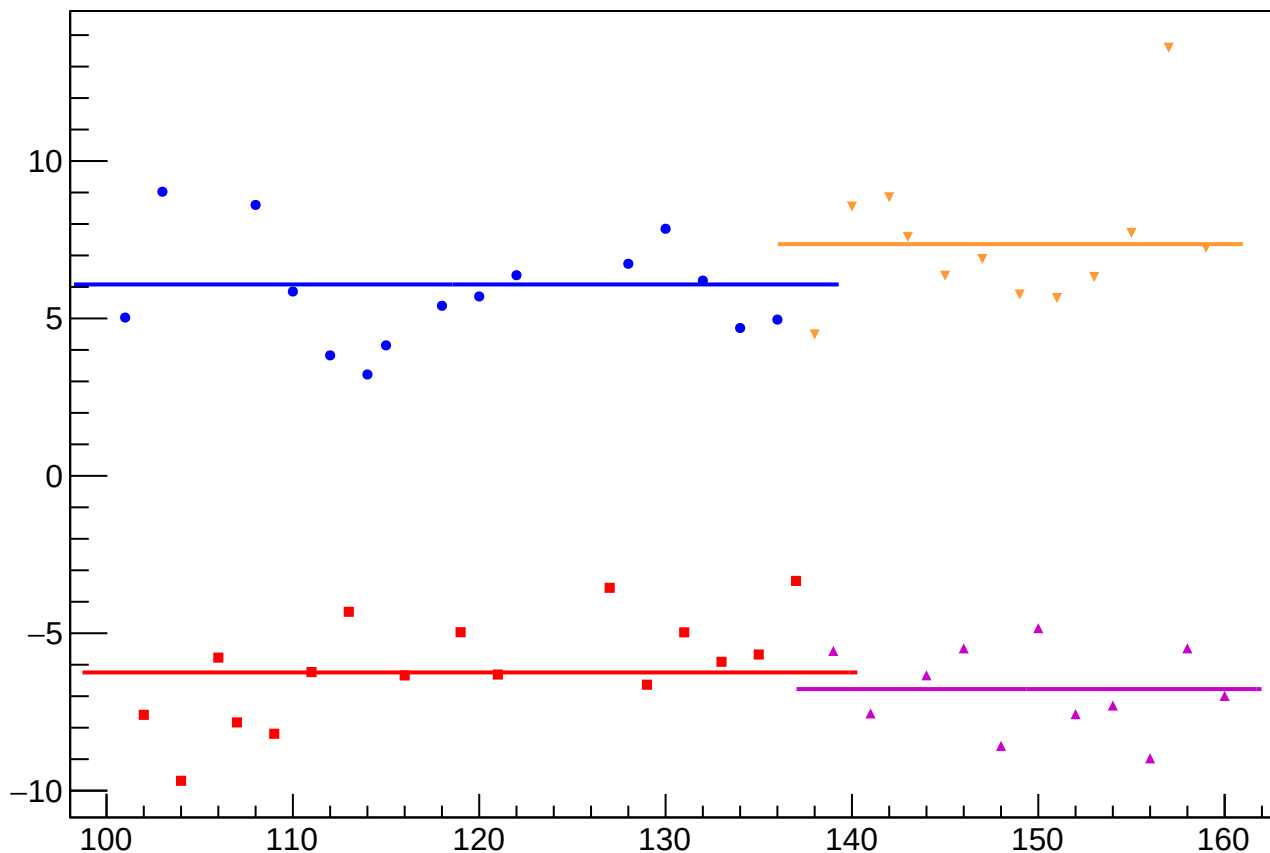
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_11X12X_coil4_mean vs Slug, Sign Corrected



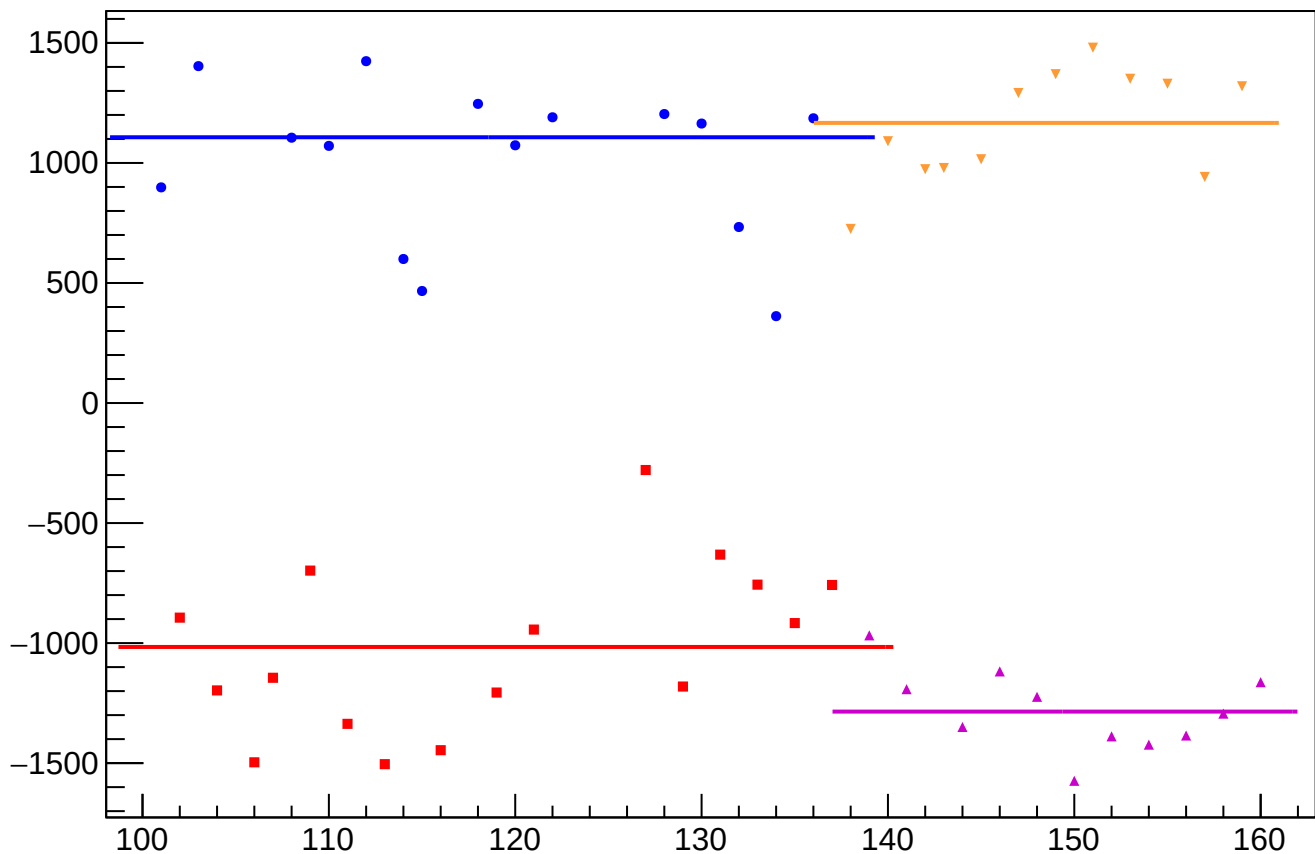
Right In: -0.360 ± 0.000 χ^2/NDF : 2180256348790896849346212178952192.0/14
 Left Out: -0.778 ± 0.000 χ^2/NDF : 941792568376434225486843988672512.0/11
 Right Out: 0.790 ± 0.000 χ^2/NDF : 463078369073343959803422903894016.0/15
 Left In: 0.828 ± 0.000 χ^2/NDF : 650173977459122524537180454387712.0/10
 All: 0.110 ± 0.000 χ^2/NDF : 58843184622867

dit_11X12X_coil4_err_mean vs Slug, Sign Corrected



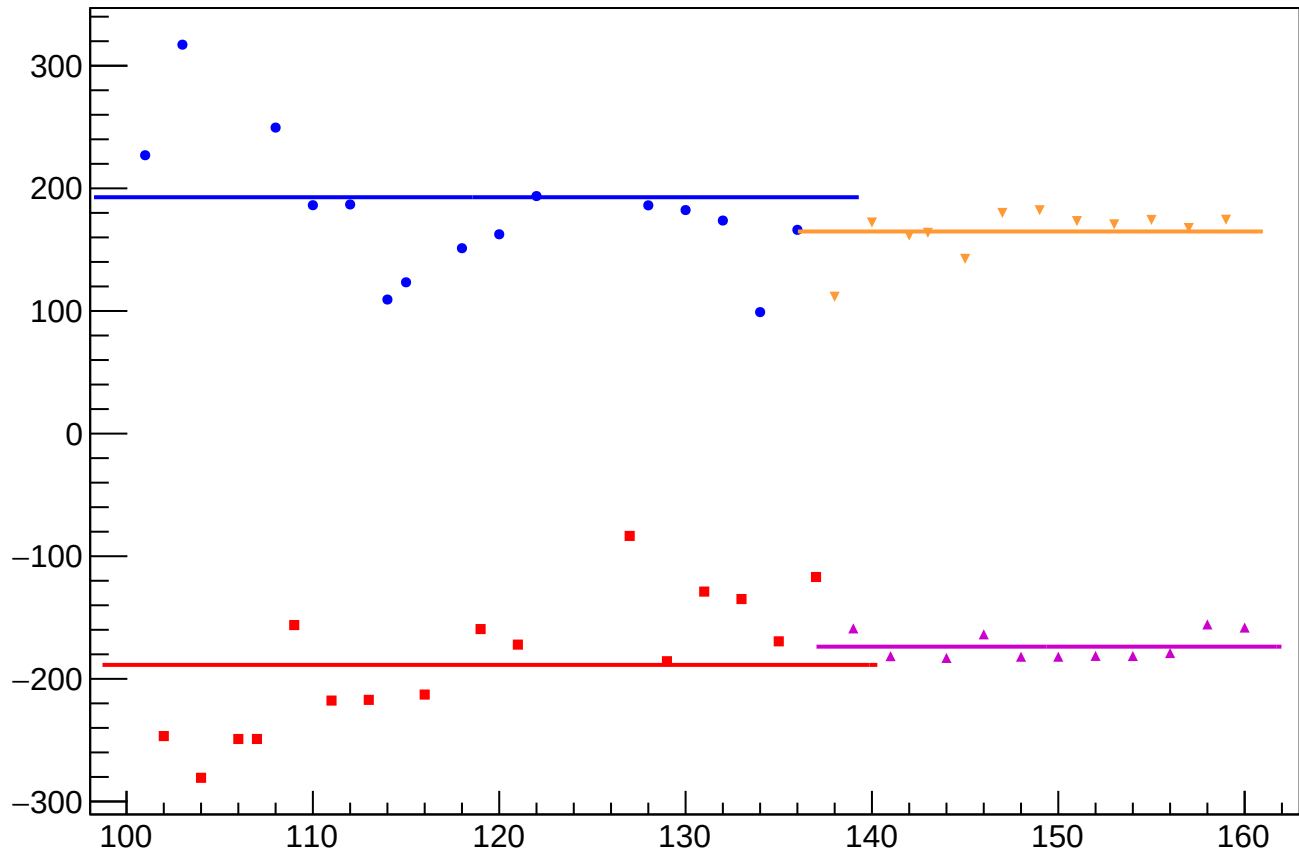
Right In: 6.079 ± 0.000 $\chi^2/\text{NDF}: 1590295171022705157509900448825344.0/14$
 Left Out: 7.360 ± 0.000 $\chi^2/\text{NDF}: 4580380755239365503585140070154240.0/11$
 Right Out: -6.245 ± 0.000 $\chi^2/\text{NDF}: 1816529163105006938510976985595904.0/15$
 Left In: -6.773 ± 0.000 $\chi^2/\text{NDF}: 1545880653062872635060205832372224.0/10$
 All: 0.079 ± 0.000 $\chi^2/\text{NDF}: 15140907690746$

dit_11X12X_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_4aY_coil4_mean vs Slug, Sign Corrected



Right In: 192.771+/-0.000

χ^2/NDF : 1640576279746948433391816936236515328.0/14

Left Out: 164.832+/-0.000

χ^2/NDF : 331248867631864480349687016910225408.0/11

Right Out: -188.612+/-0.000

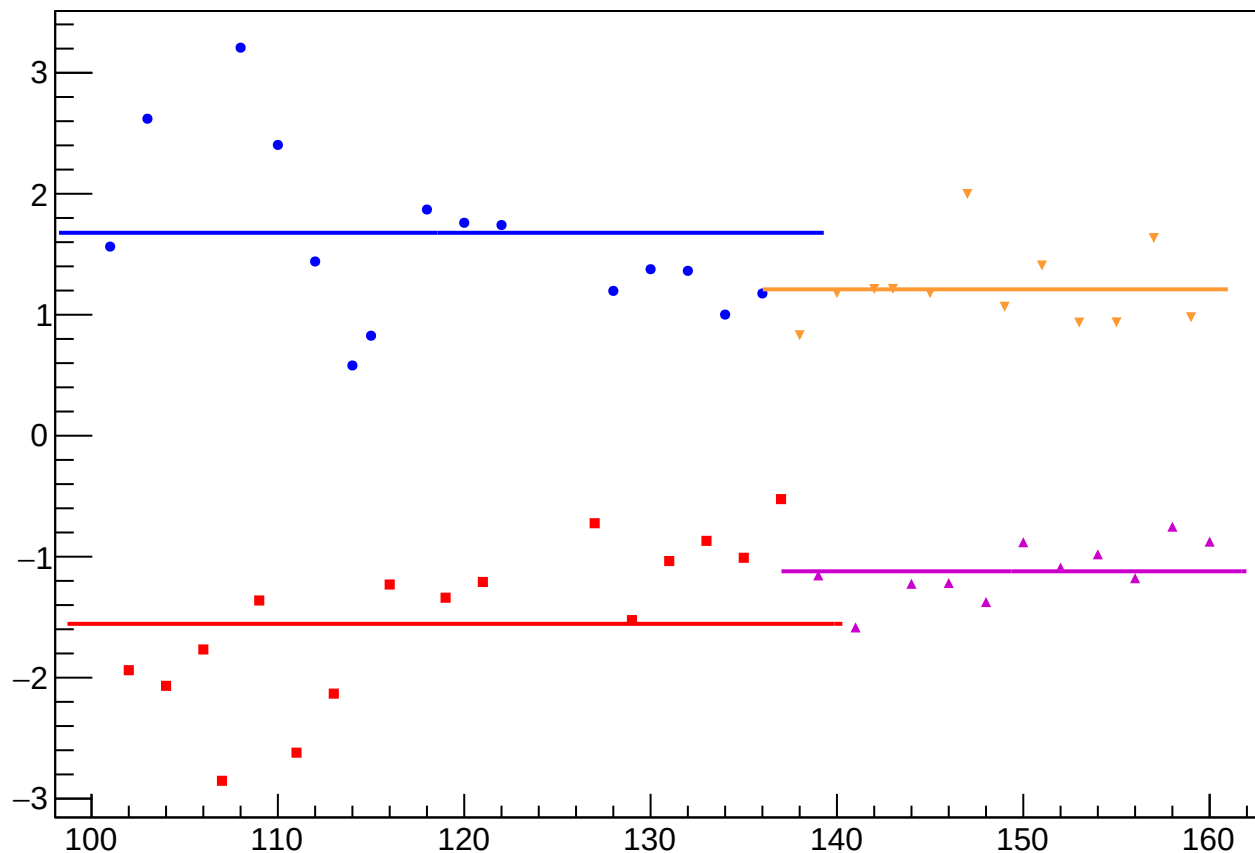
χ^2/NDF : 1922342257287674563344204730019610624.0/15

Left In: -173.738+/-0.000

χ^2/NDF : 107568156923900649458795541002452992.0/10

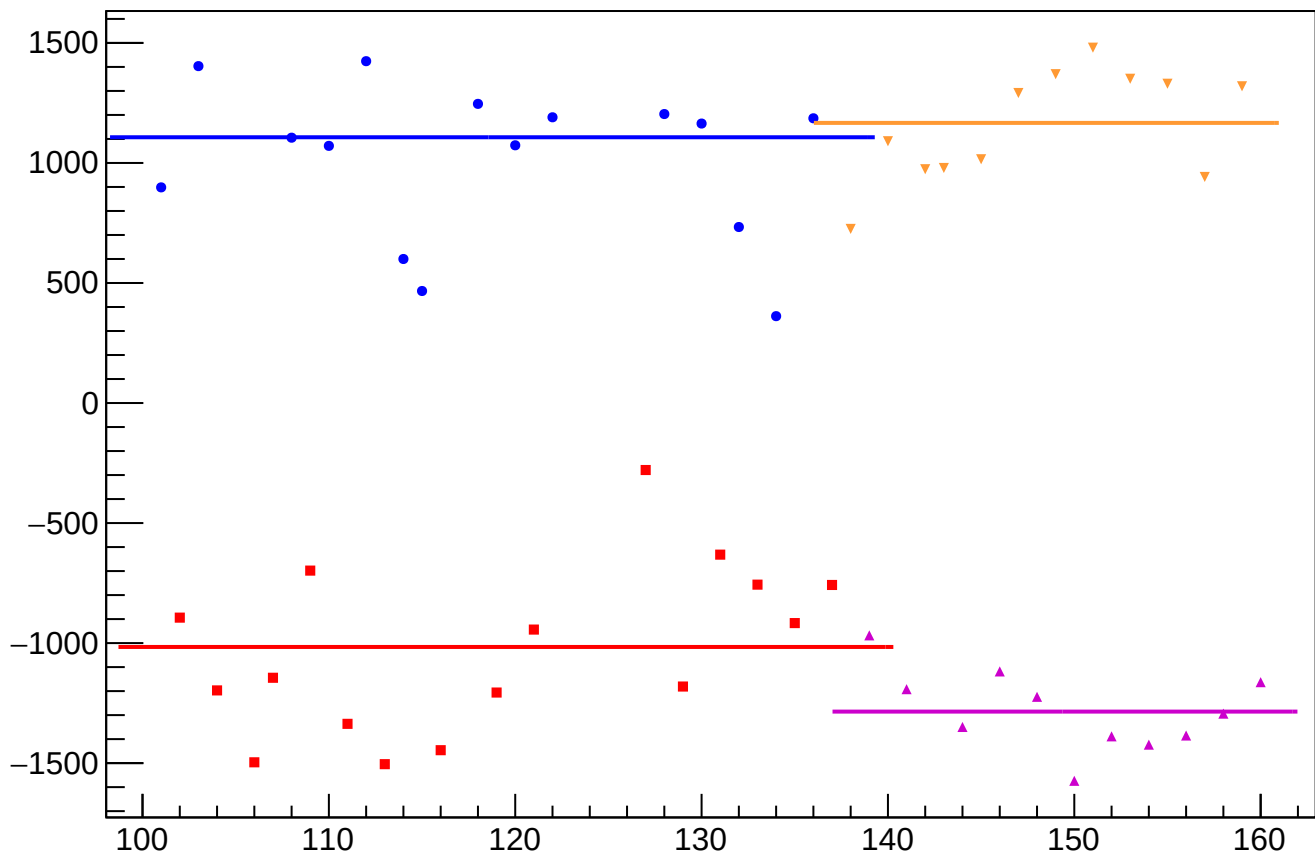
All: -3.352+/-0.000 χ^2/NDF : 1045358110774

dit_4aY_coil4_err_mean vs Slug, Sign Corrected



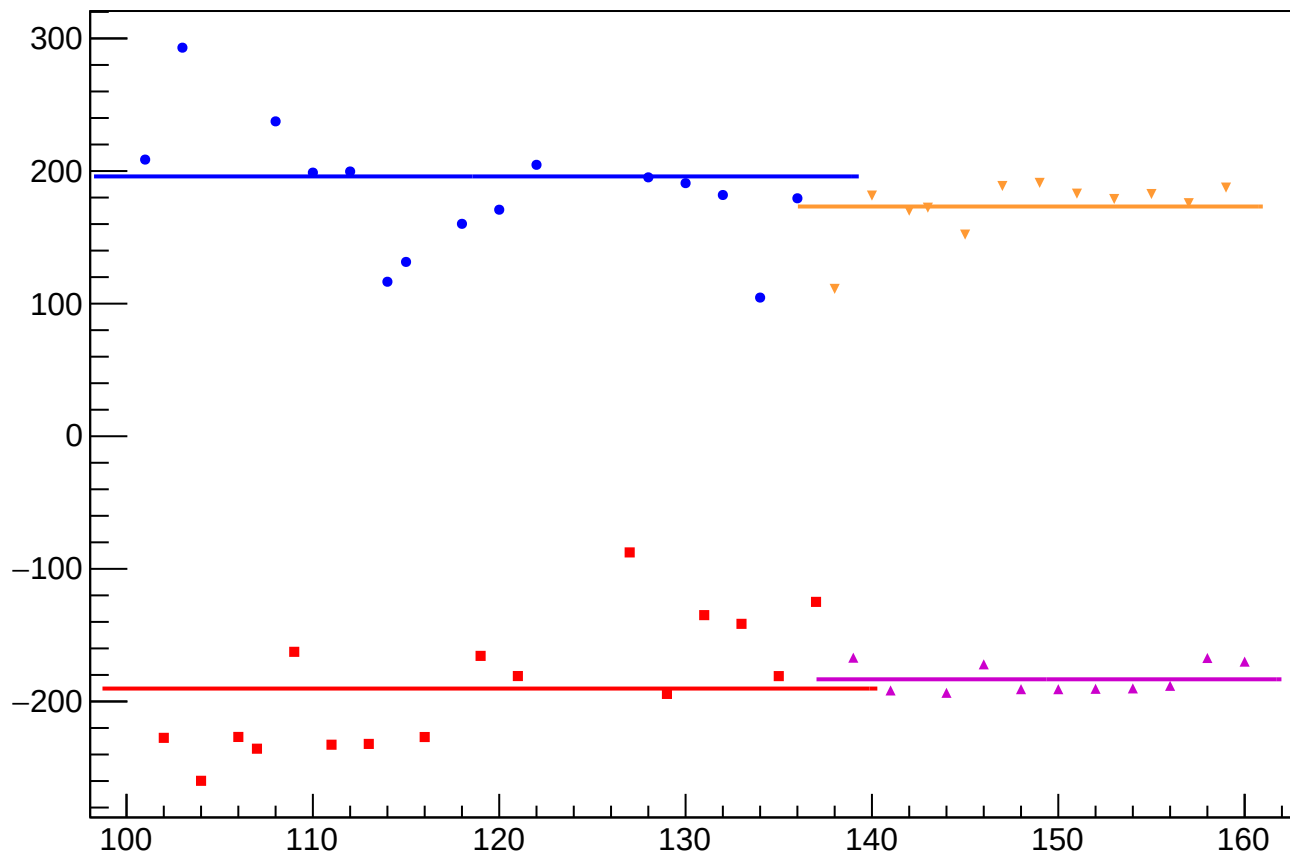
Right In: 1.677 +/- 0.000 χ^2/NDF : 241879924044788593292791559225344.0/14
 Left Out: 1.210 +/- 0.000 χ^2/NDF : 95500502458420026672384705560576.0/11
 Right Out: -1.555 +/- 0.000 χ^2/NDF : 255645951433890296827677195108352.0/15
 Left In: -1.121 +/- 0.000 χ^2/NDF : 48374896563348957372285351624704.0/10
 All: 0.039 +/- 0.000 χ^2/NDF : 65745148787562

dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_4eY_coil4_mean vs Slug, Sign Corrected



Right In: 195.940 $\pm$ 0.000

χ^2/NDF : 1057891079869089572370479093183938560.0/14

Left Out: 173.245 $\pm$ 0.000

χ^2/NDF : 421189743022312956779621222954565632.0/11

Right Out: -190.268 $\pm$ 0.000

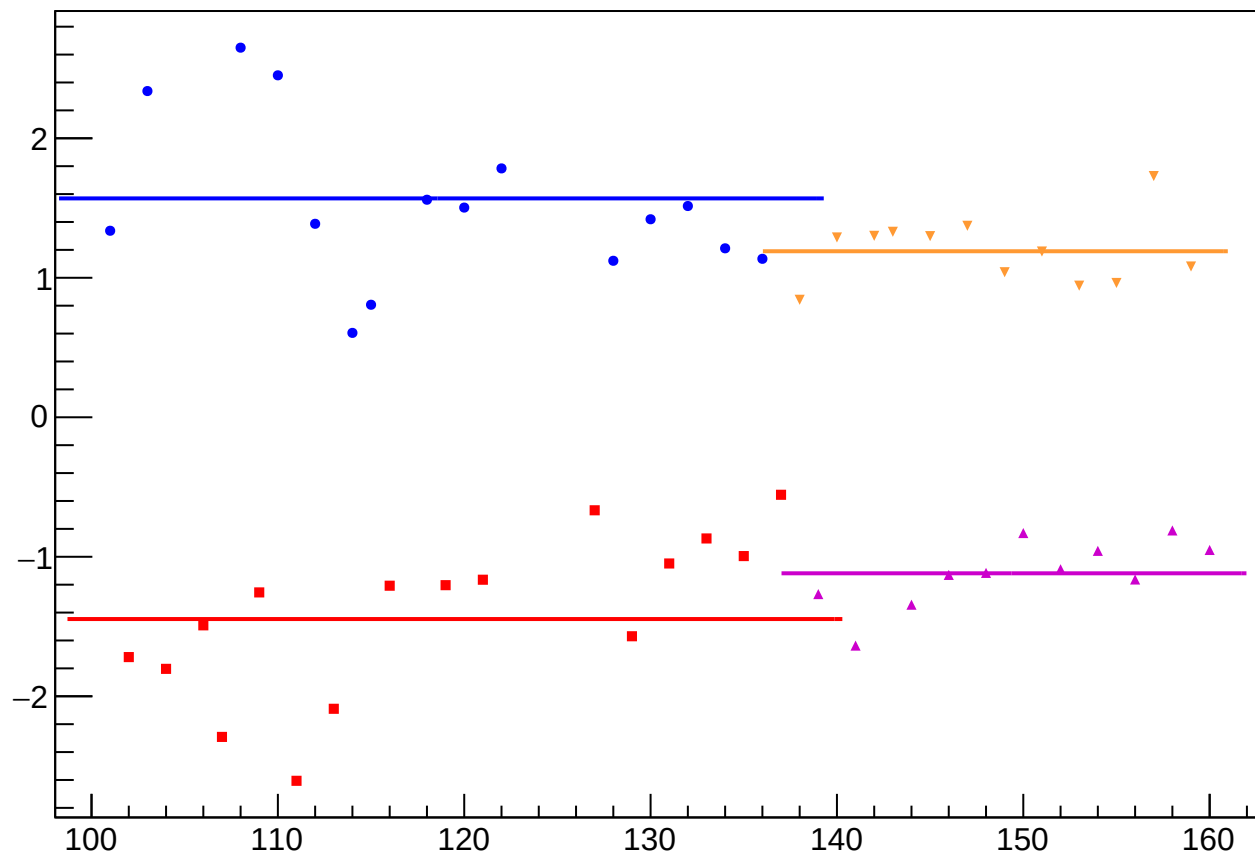
χ^2/NDF : 1468473073667973330267084234323656704.0/15

Left In: -183.290 $\pm$ 0.000

χ^2/NDF : 101738841511111417821042611832487936.0/10

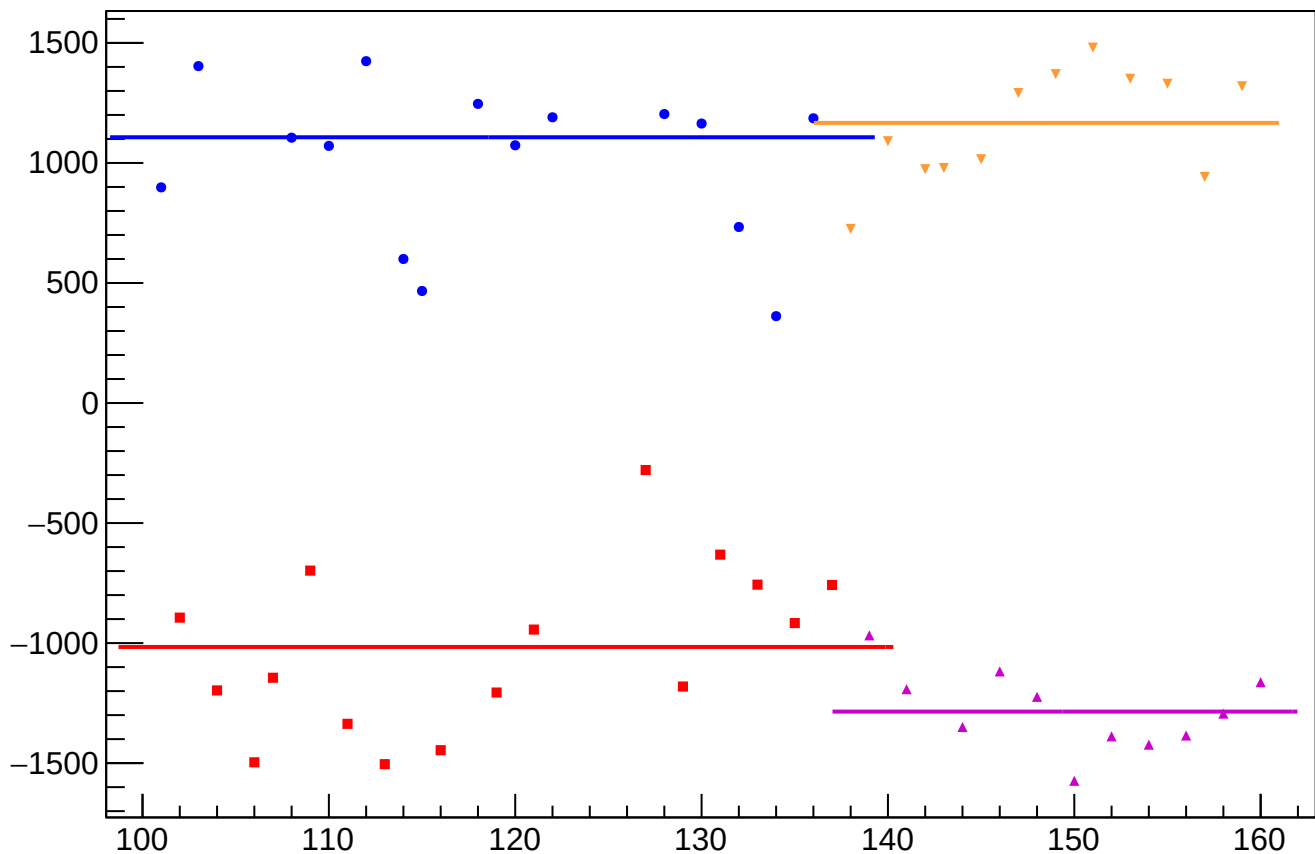
All: -3.411 $\pm$ 0.000 χ^2/NDF : 1105507050353

dit_4eY_coil4_err_mean vs Slug, Sign Corrected



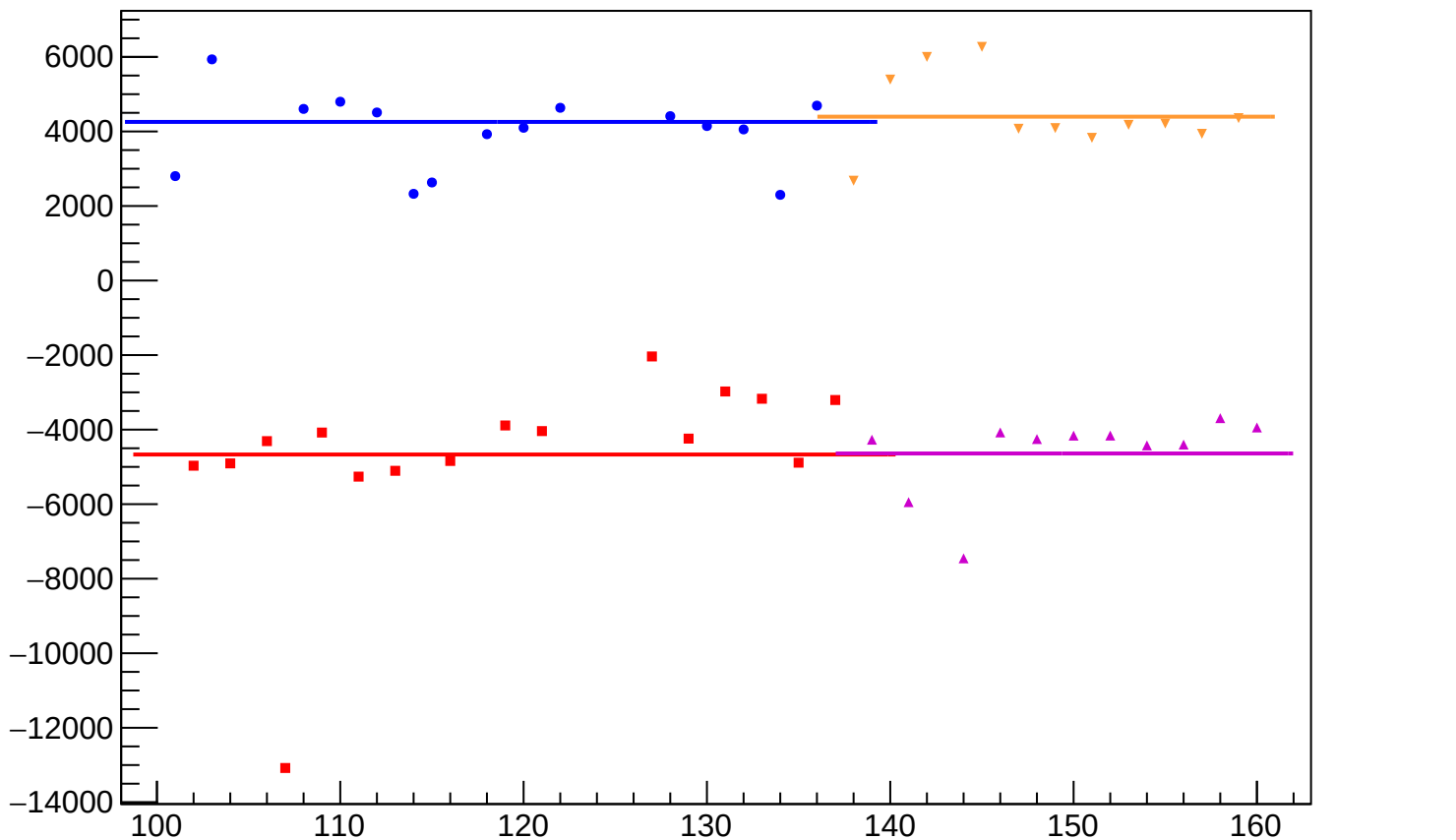
Right In: 1.569 +/- 0.000 χ^2/NDF : 162849195668123380789610540957696.0/14
 Left Out: 1.190 +/- 0.000 χ^2/NDF : 50745822936032217336144814145536.0/11
 Right Out: -1.446 +/- 0.000 χ^2/NDF : 196296653917523352443271052787712.0/15
 Left In: -1.118 +/- 0.000 χ^2/NDF : 48973496995723480911801365823488.0/10
 All: 0.034 +/- 0.000 χ^2/NDF : 58987559316177

dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected



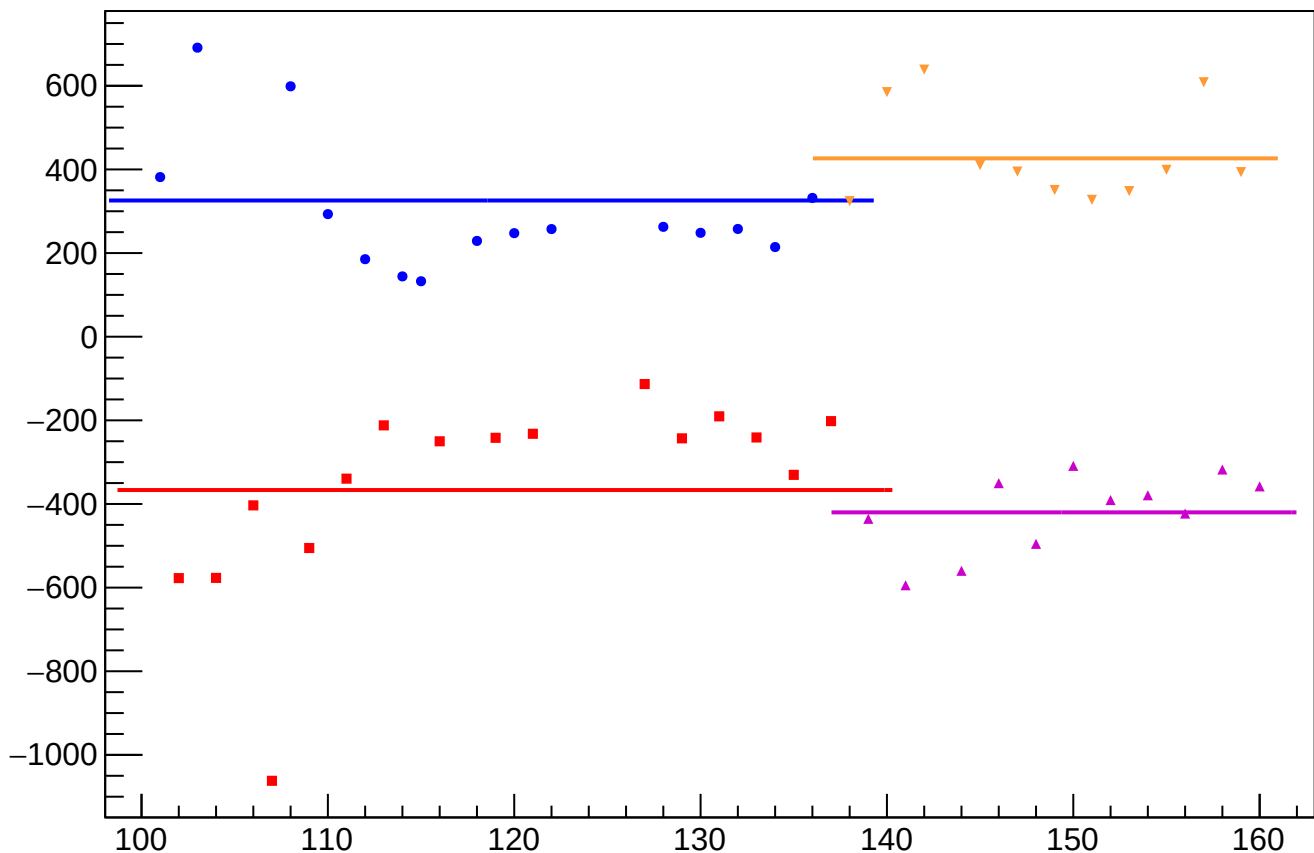
Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 $\pm$ 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 $\pm$ 0.000 χ^2/NDF : 443493791328

dit_usl_coil4_mean vs Slug, Sign Corrected



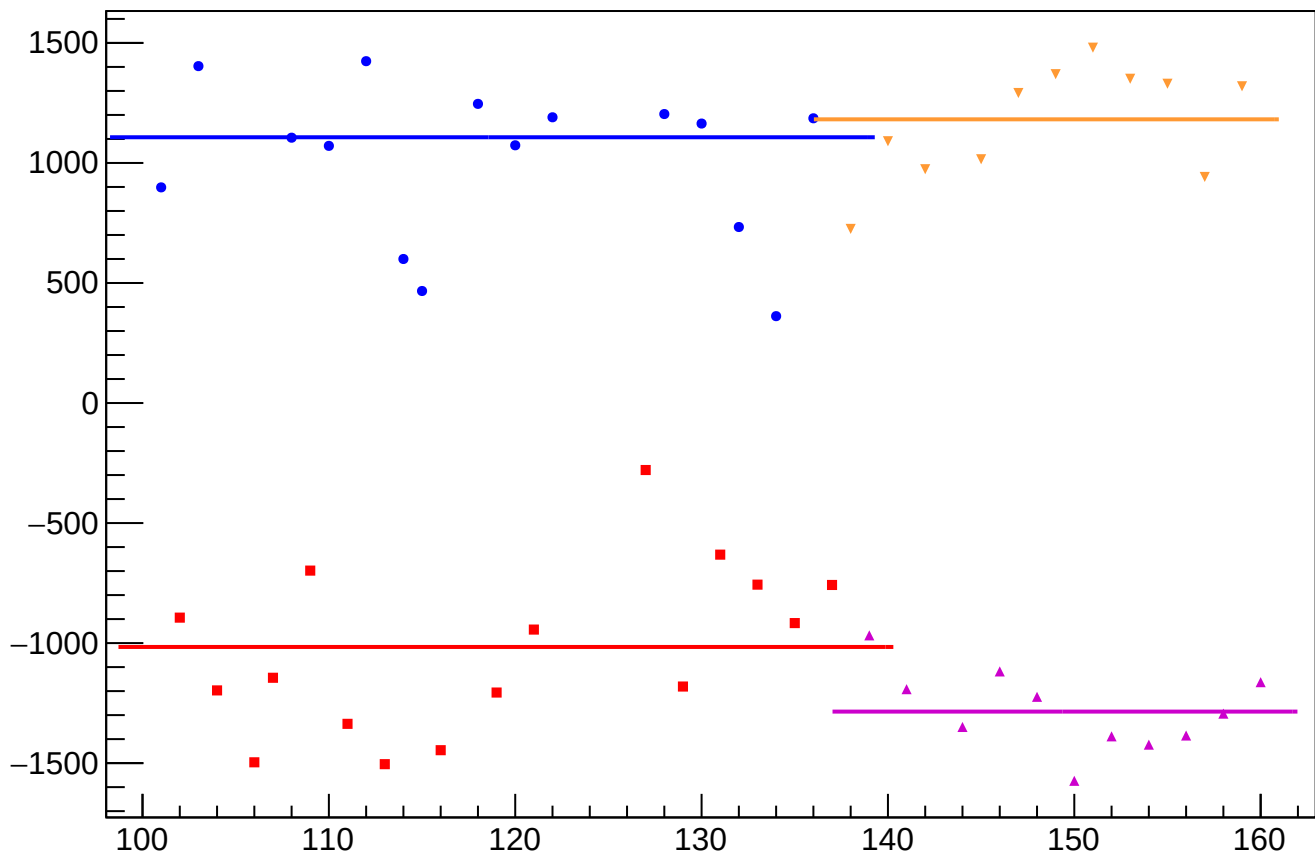
Right In: 4256.386+/-0.000 χ^2/NDF : 498605412551624859672454954159576186880.0/14
 Left Out: 4396.403+/-0.000 χ^2/NDF : 767686308157486440179100240552638021632.0/10
 Right Out: -4667.832+/-0.000 χ^2/NDF : 3201925535782807450320951772159309512704.0/15
 Left In: -4639.846+/-0.000 χ^2/NDF : 1058446303743243170530981239939506634752.0/10
 All: -296.246+/-0.000 χ^2/NDF : 67809743893

dit_usl_coil4_err_mean vs Slug, Sign Corrected



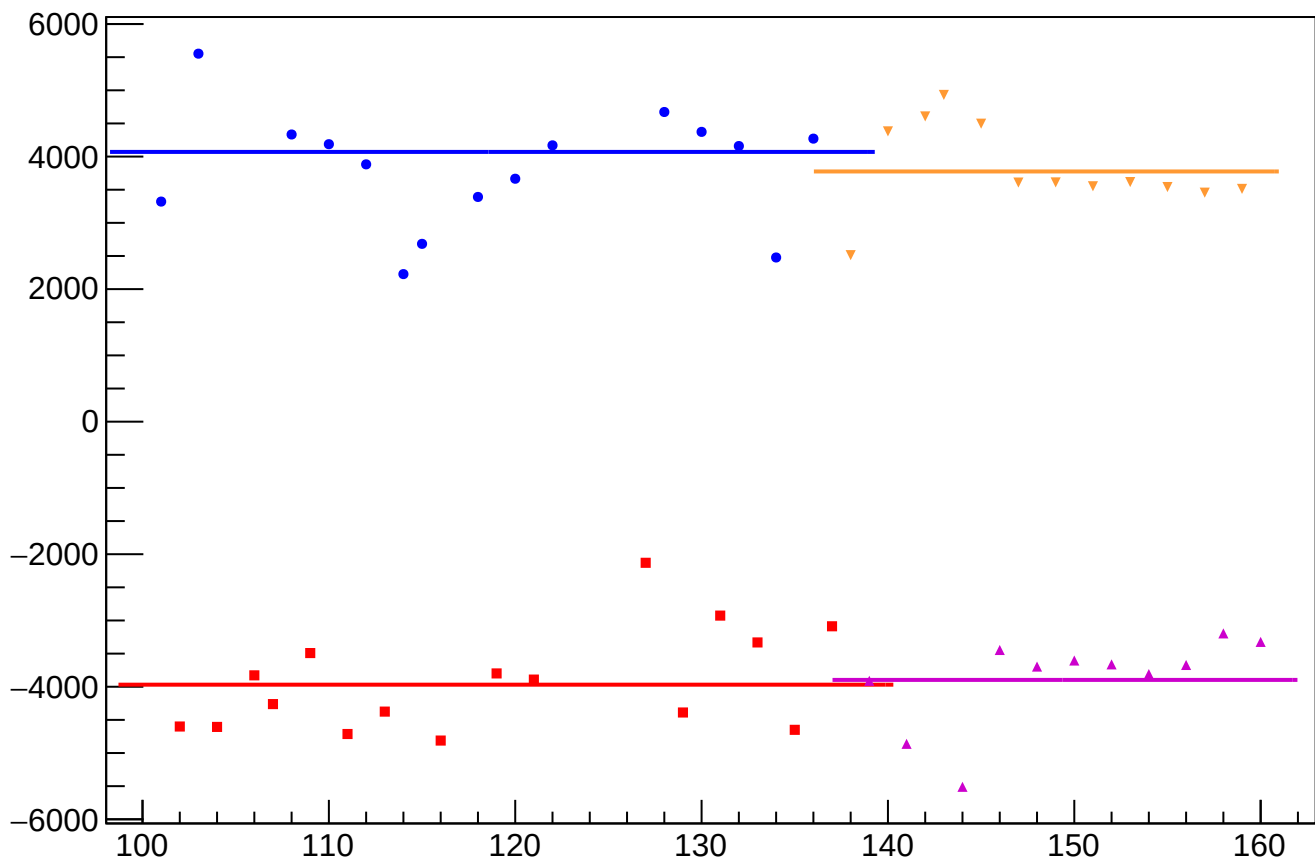
Right In: 325.732 +/- 0.000 χ^2/NDF : 14633359567940244123897242769854300160.0/14
 Left Out: 426.446 +/- 0.000 χ^2/NDF : 9564737566607591468000084323542761472.0/10
 Right Out: -366.682 +/- 0.000 χ^2/NDF : 32097250699947956409117440115398934528.0/15
 Left In: -420.062 +/- 0.000 χ^2/NDF : 7706514276709269263404419491802644480.0/10
 All: -19.474 +/- 0.000 χ^2/NDF : 538446931474

dit_usl_coil4_Ndata_mean vs Slug, Sign Corrected



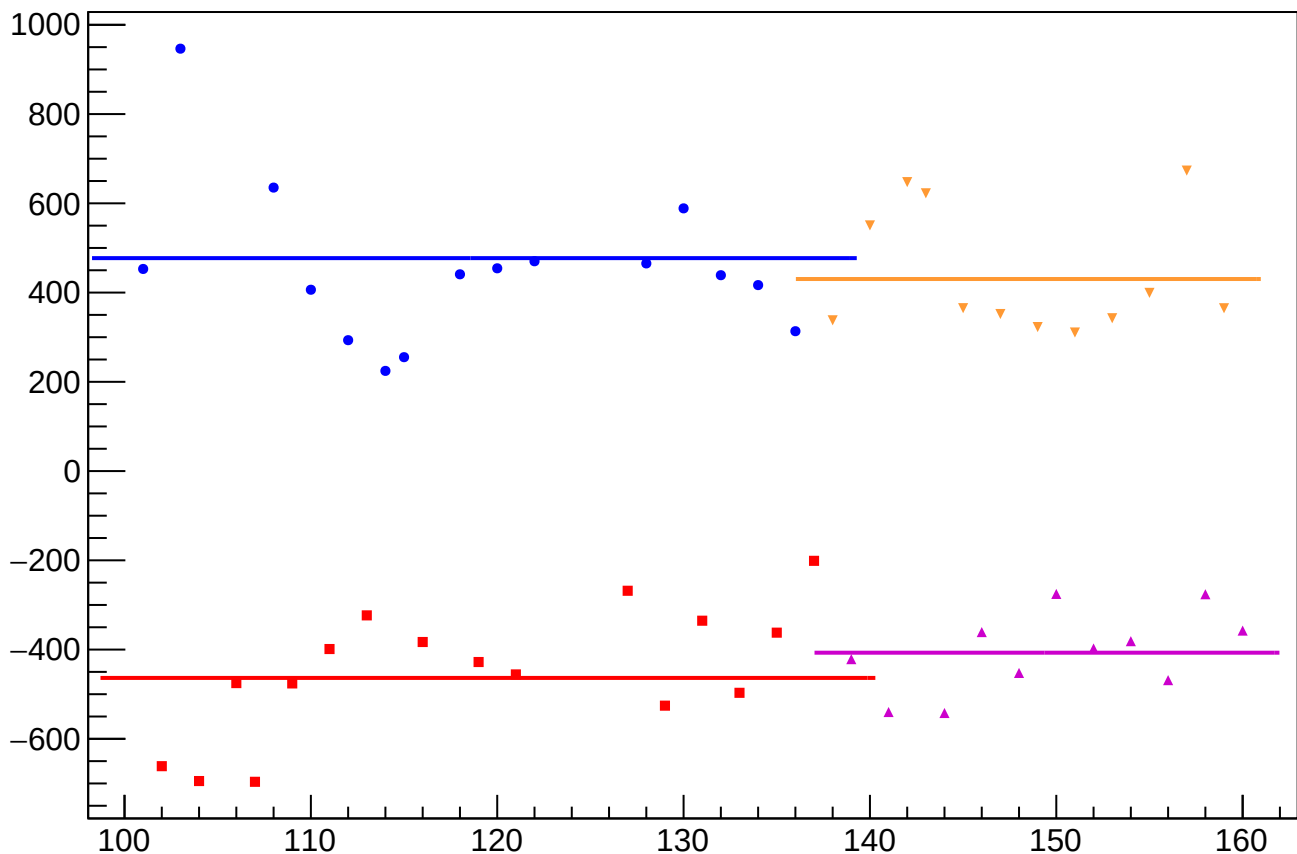
Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1181.721 $\pm$ 0.000 χ^2/NDF : 42102883856321275256821029062509068288.0/10
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -47.303 $\pm$ 0.000 χ^2/NDF : 436585203886

dit_usr_coil4_mean vs Slug, Sign Corrected



Right In: 4070.444+/-0.000 χ^2/NDF : 343281875282695739956383156295247593472.0/14
 Left Out: 3775.469+/-0.000 χ^2/NDF : 344611737456116155441573311529372090368.0/11
 Right Out: -3968.723+/-0.000 χ^2/NDF : 359955880326194784467353369492594884608.0/15
 Left In: -3896.757+/-0.000 χ^2/NDF : 412530714584693730225130204014353317888.0/10
 All: -49.222+/-0.000 χ^2/NDF : 497704442491

dit_usr_coil4_err_mean vs Slug, Sign Corrected



Right In: 477.186 $\pm$ 0.000

χ^2/NDF : 20455719931758379978892605184974782464.0/14

Left Out: 430.385 $\pm$ 0.000

χ^2/NDF : 15124863187063515916775500602167787520.0/11

Right Out: -463.513 $\pm$ 0.000

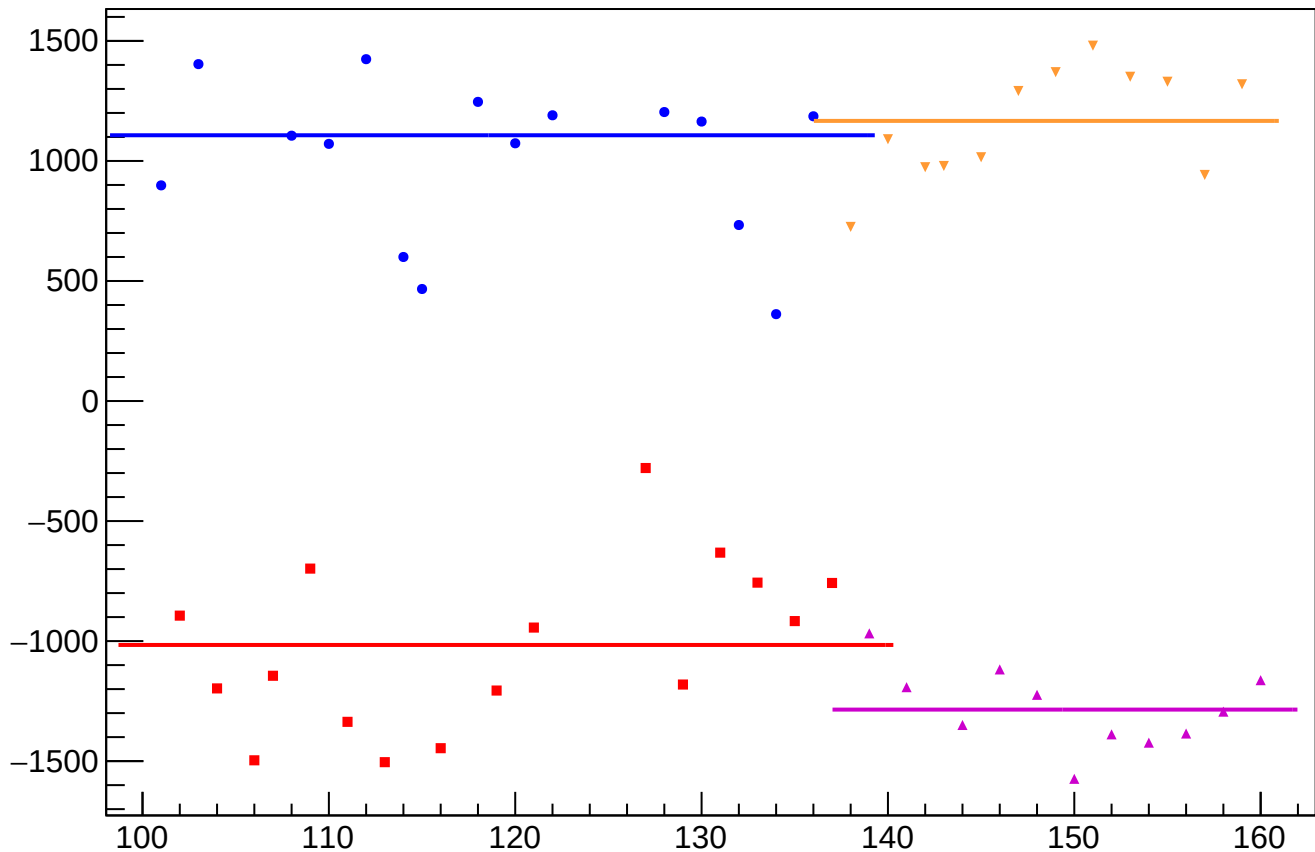
χ^2/NDF : 12556777931069903370031832388184571904.0/15

Left In: -406.990 $\pm$ 0.000

χ^2/NDF : 7014219134688394471330081136711827456.0/10

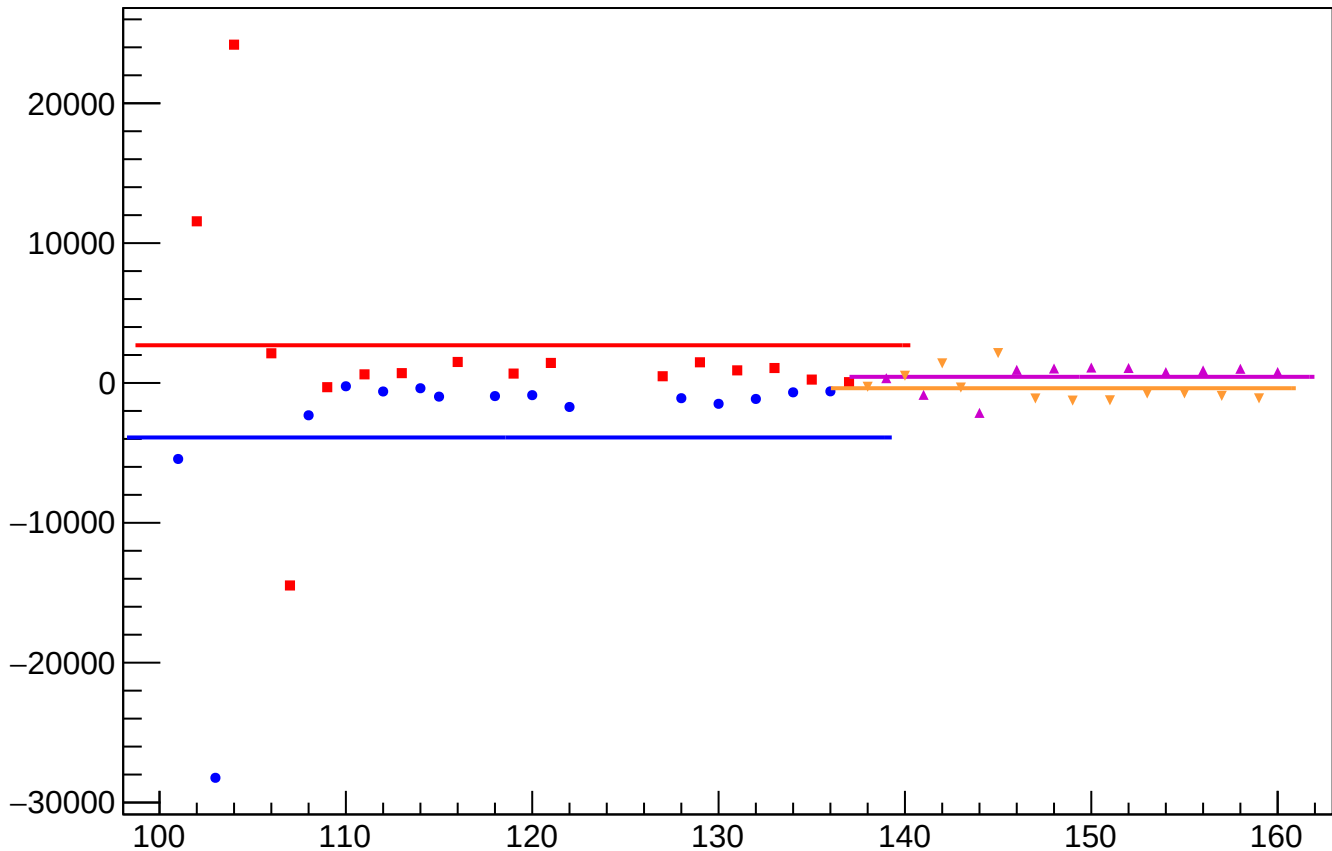
All: 5.658 $\pm$ 0.000 χ^2/NDF : 66848676133618

dit_usr_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_atl1_coil4_mean vs Slug, Sign Corrected



Right In: -3896.522+/-0.000

χ^2/NDF : 39618598516481020448248440670012984786944.0/14

Left Out: -375.430+/-0.000

χ^2/NDF : 958630071854954411455962799285737619456.0/11

Right Out: 2695.992+/-0.000

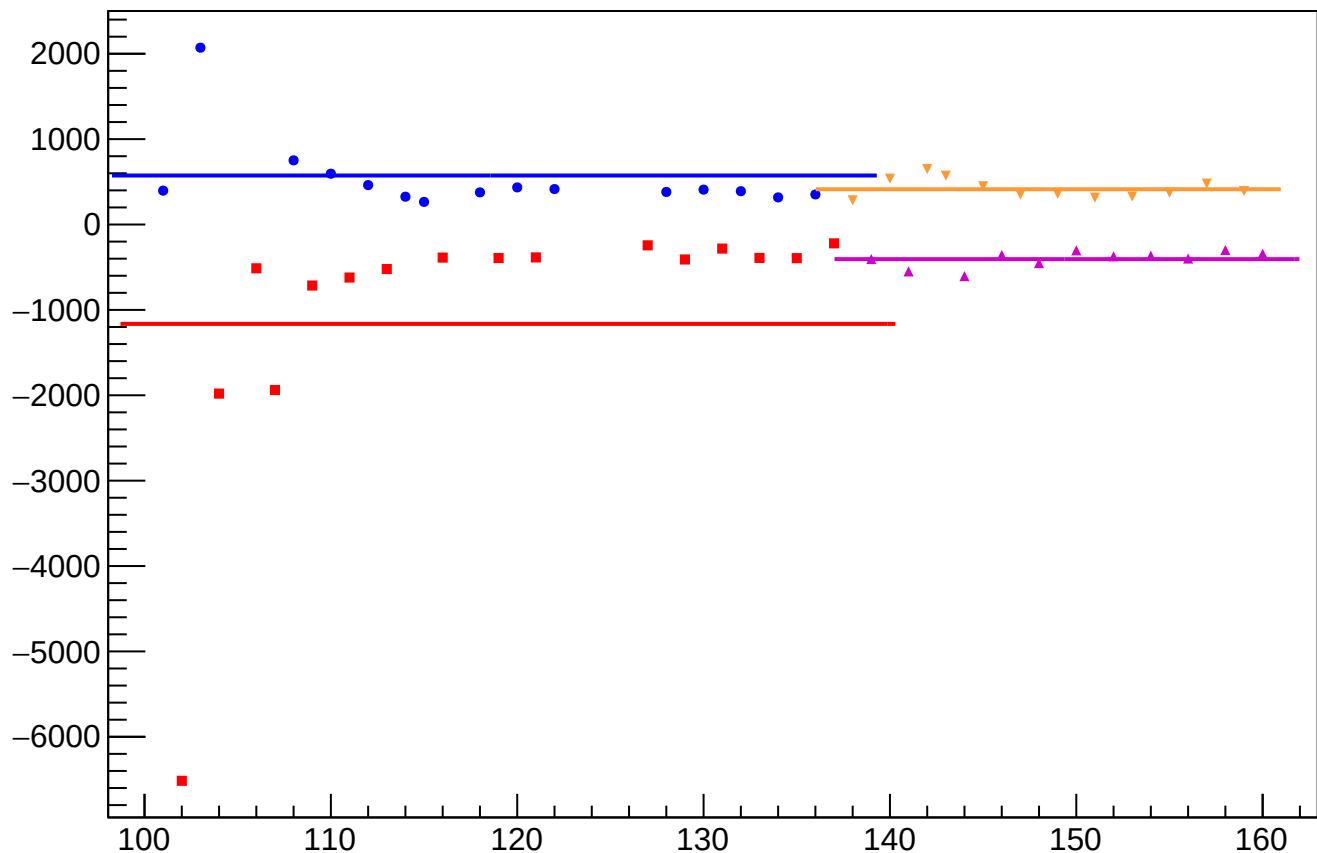
χ^2/NDF : 40822463071462352124212058386591729582080.0/15

Left In: 439.289+/-0.000

χ^2/NDF : 921031566733723872829454078558930468864.0/10

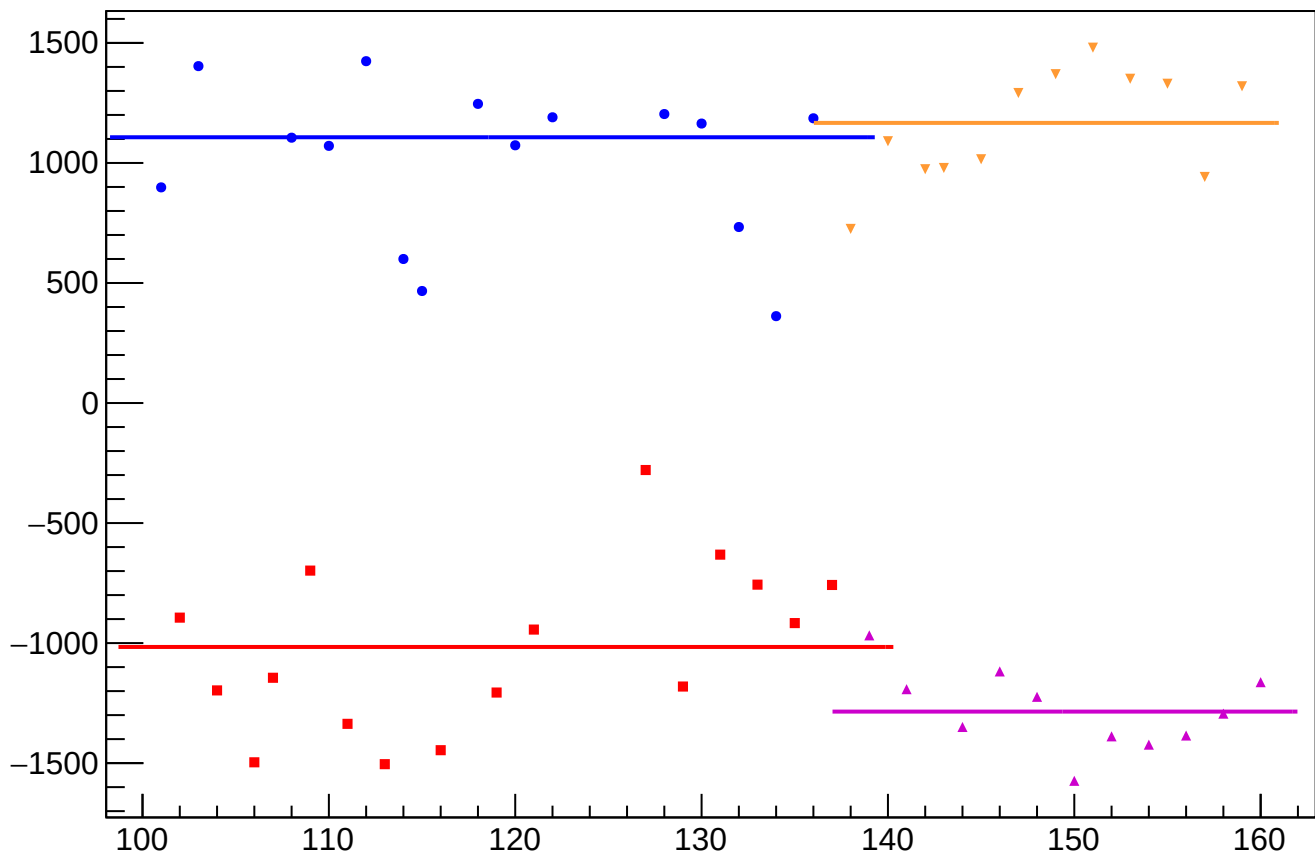
All: -211.749+/-0.000 χ^2/NDF : 97188137344

dit_atl1_coil4_err_mean vs Slug, Sign Corrected



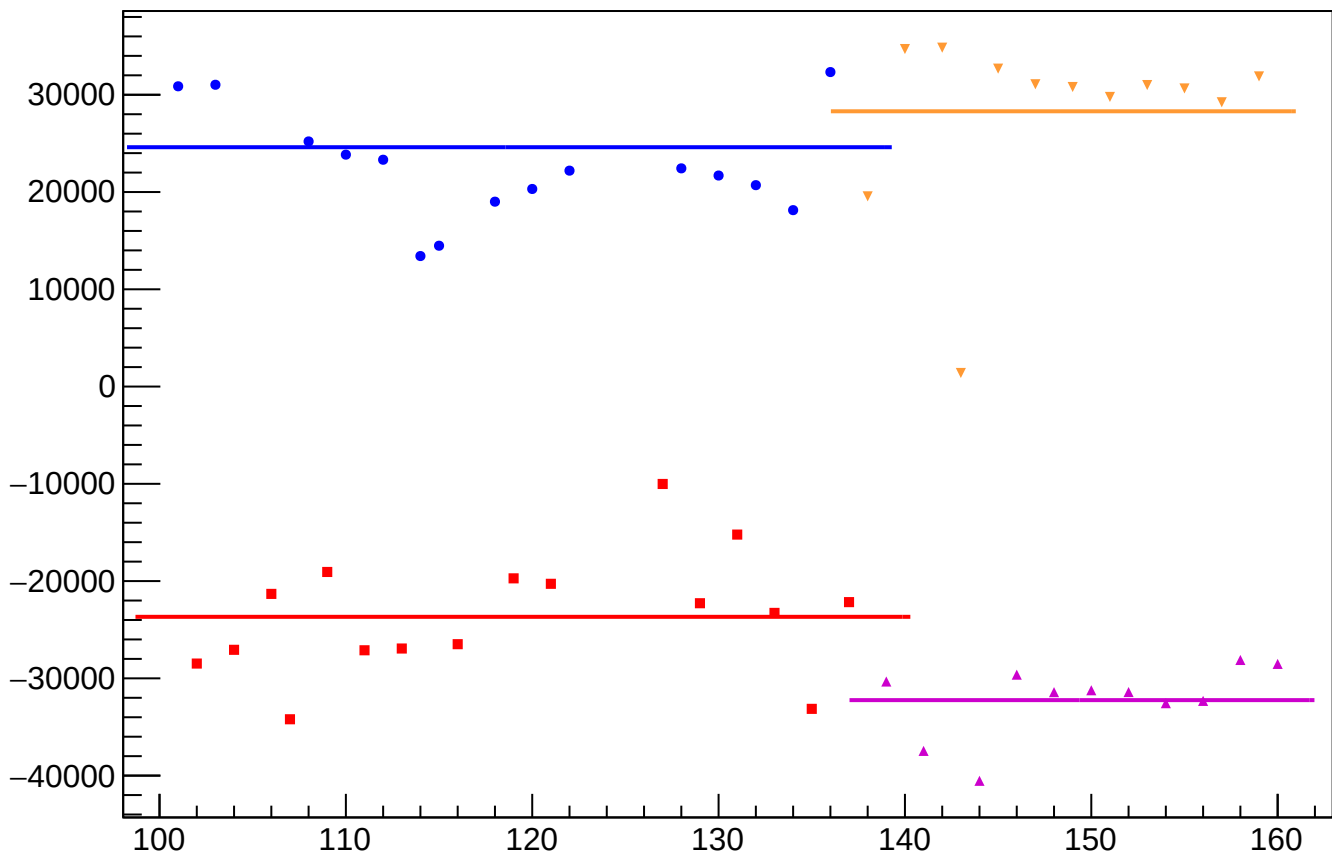
Right In: 574.055+/-0.000 χ^2/NDF : 152105229889160423018493709582390525952.0/14
 Left Out: 413.017+/-0.000 χ^2/NDF : 9379796802385704003508317238748774400.0/11
 Right Out: -1163.697+/-0.000 χ^2/NDF : 2003194396475465337190154787515183136768.0/15
 Left In: -405.371+/-0.000 χ^2/NDF : 8096374045117906535343483577494929408.0/10
 All: -127.041+/-0.000 χ^2/NDF : 35467372325

dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected



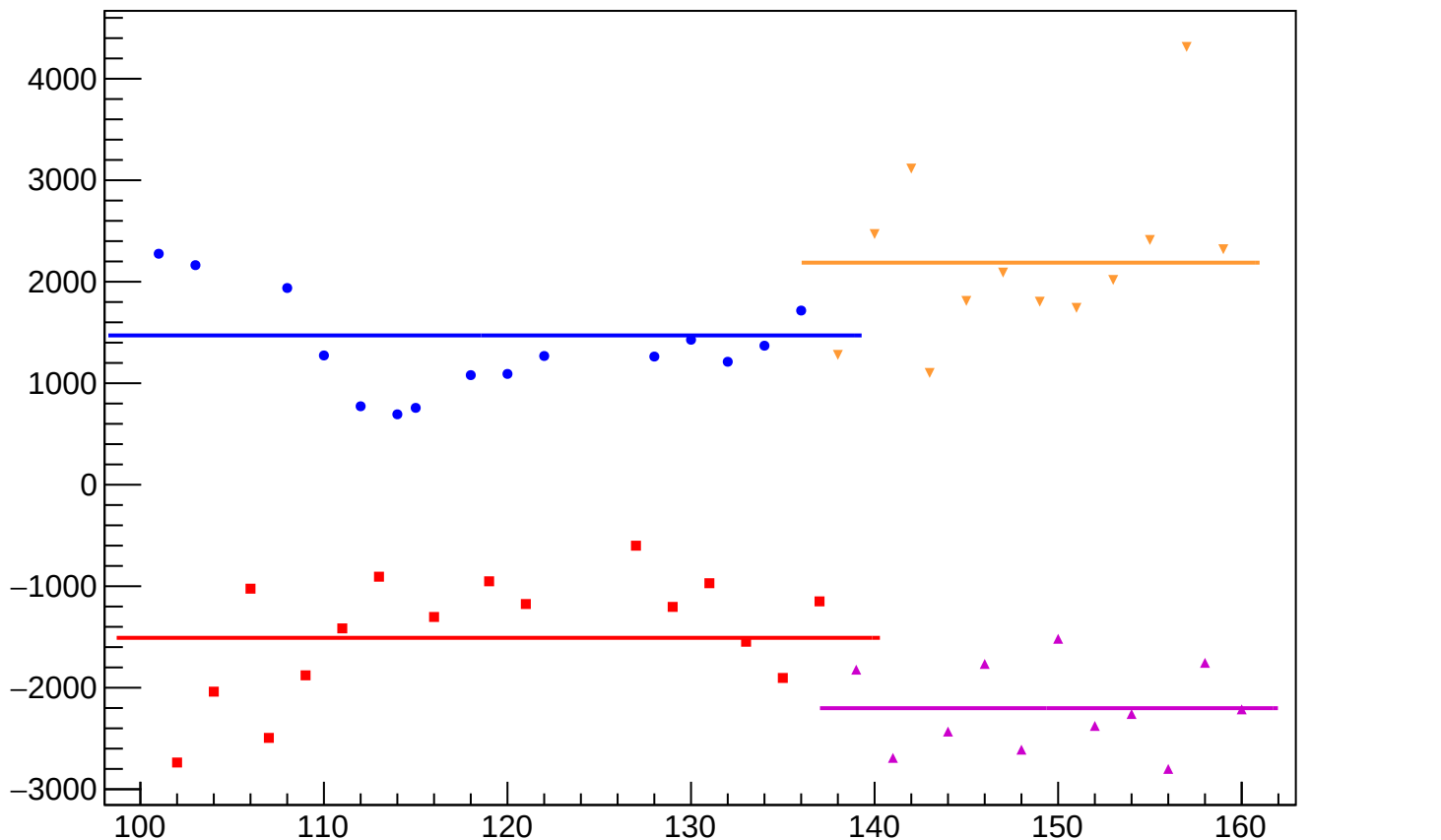
Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 $\pm$ 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 $\pm$ 0.000 χ^2/NDF : 443493791328

dit_atl2_coil4_mean vs Slug, Sign Corrected



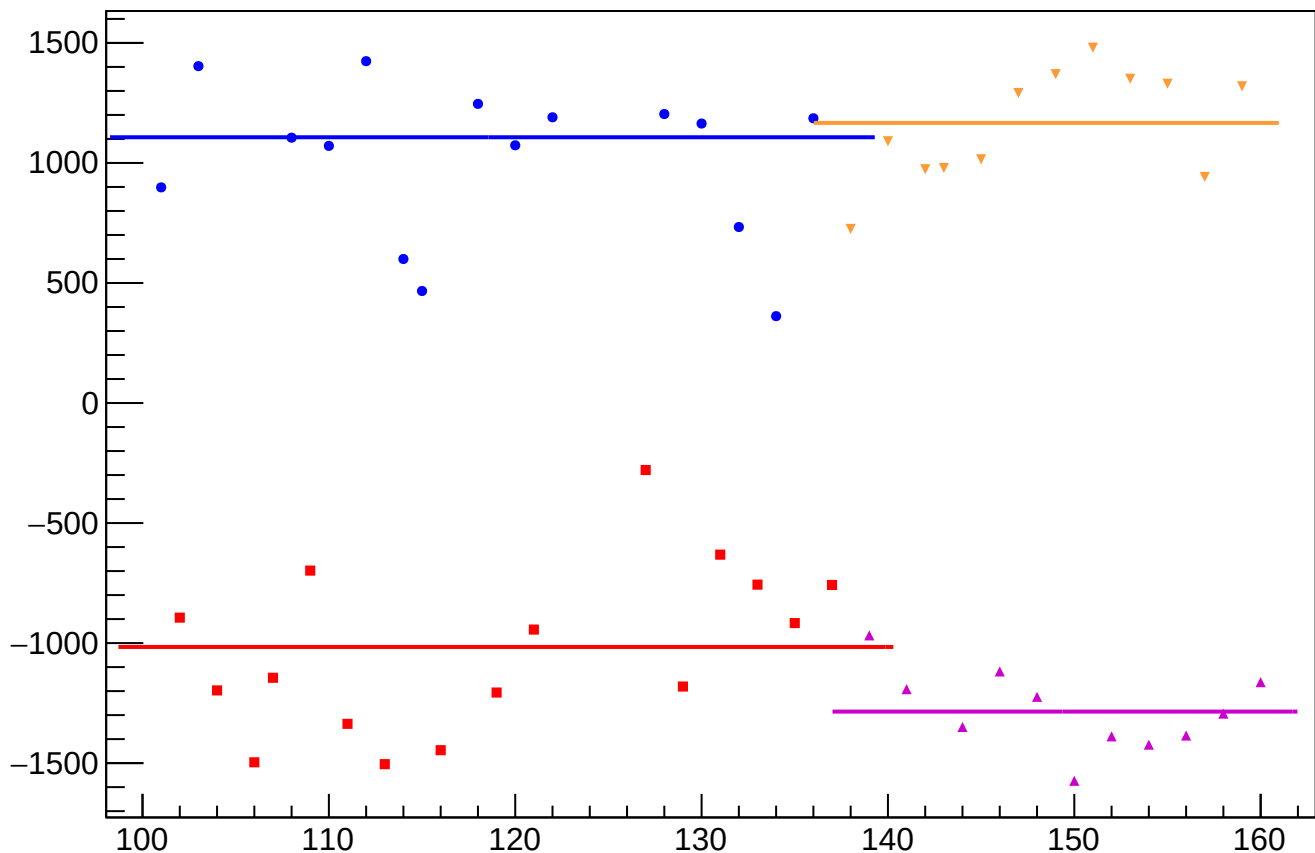
Right In: 24608.761+/-0.000 χ^2/NDF : 17555600427140701787636759084167268925440.0/14
 Left Out: 28302.359+/-0.000 χ^2/NDF : 64743960576526073147852789326823934656512.0/11
 Right Out: -23673.937+/-0.000 χ^2/NDF : 24824229344827567313624871677295341862912.0/15
 Left In: -32239.303+/-0.000 χ^2/NDF : 11931397875663177142812829998803541032960.0/10
 All: -1185.856+/-0.000 χ^2/NDF : 2573988051

dit_atl2_coil4_err_mean vs Slug, Sign Corrected



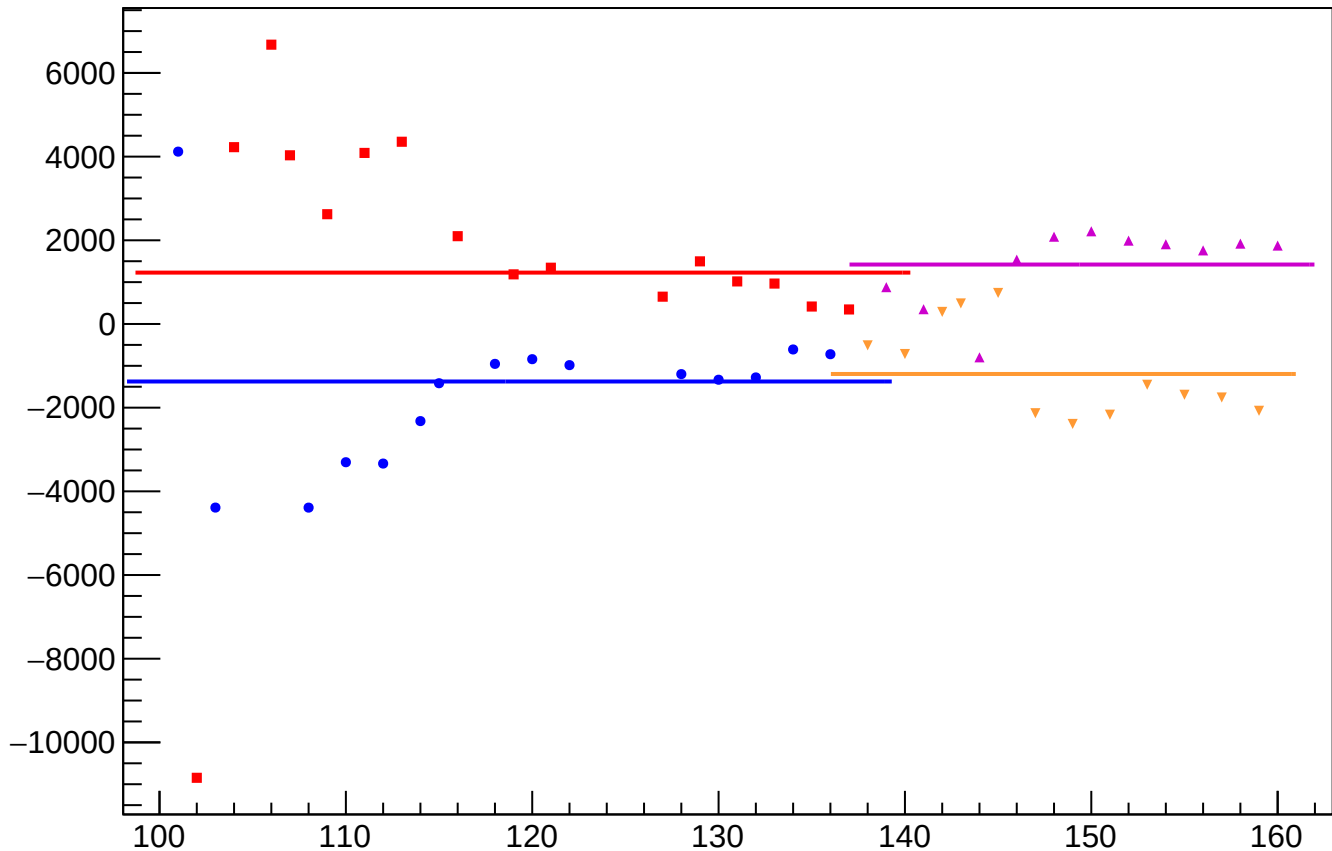
Right In: 1471.095+/-0.000 χ^2/NDF : 139174979420467841073894167956452016128.0/14
 Left Out: 2188.131+/-0.000 χ^2/NDF : 593858516090535186702207521640824176640.0/11
 Right Out: -1508.451+/-0.000 χ^2/NDF : 250085163770425050605763446985715613696.0/15
 Left In: -2201.571+/-0.000 χ^2/NDF : 156929124179690930619030229097962799104.0/10
 All: -27.171+/-0.000 χ^2/NDF : 129146441419

dit_atl2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 72567664333509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_atr1_coil4_mean vs Slug, Sign Corrected



Right In: -1374.510+/-0.000

Left Out: -1194.978+/-0.000

Right Out: 1227.879+/-0.000

Left In: 1420.806+/-0.000

χ^2/NDF : 3072775774026573120755024580495322120192.0/14

χ^2/NDF : 1012982164343735644721296583058593415168.0/11

χ^2/NDF : 11115312999926623396466450218448622452736.0/15

χ^2/NDF : 747987085785920162637916932217361137664.0/10

Left: 120.030+/-0.000 χ^2/NDF : 4904926728039627

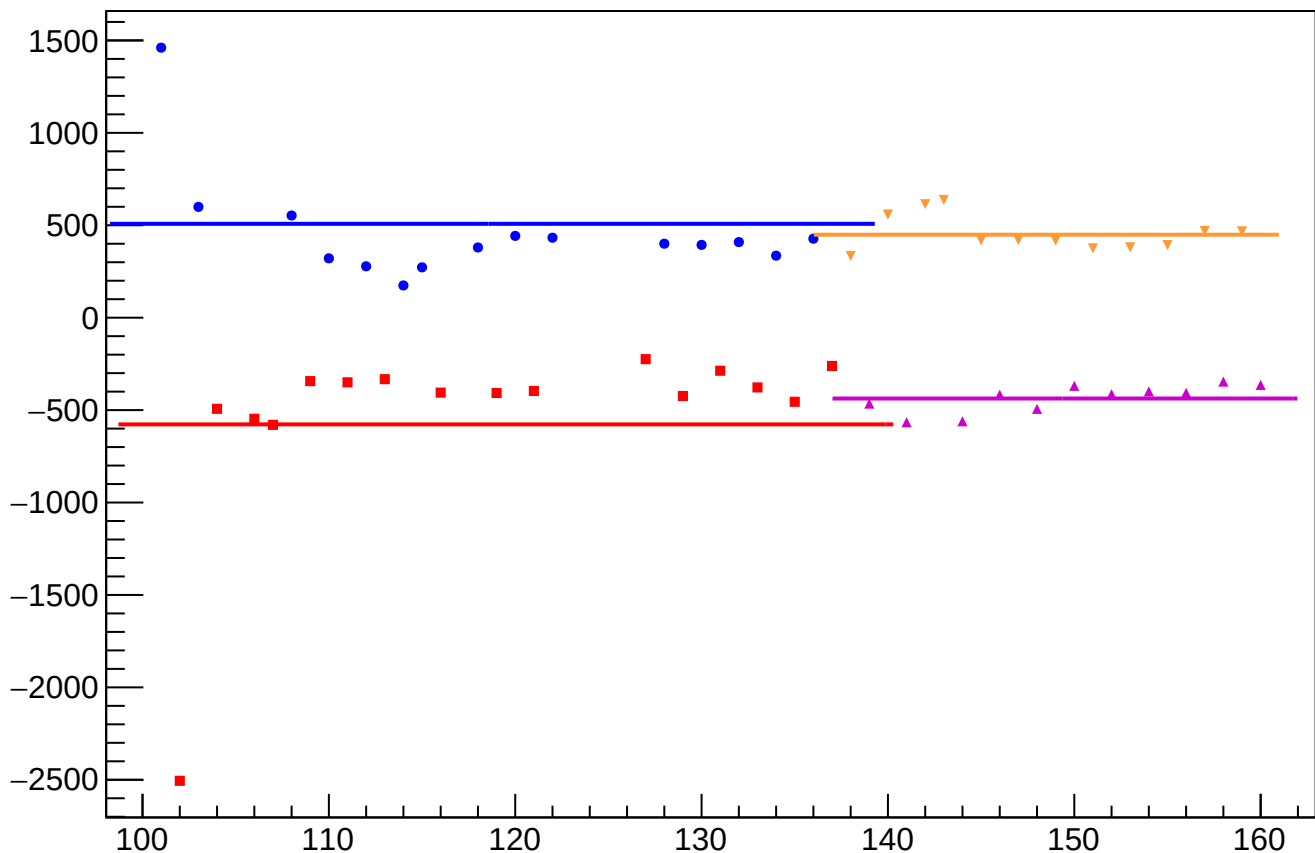
Right: -55.518+/-0.000 χ^2/NDF : 164158010761557

In: 267.494+/-0.000 χ^2/NDF : 67996212905624210

Out: -172.811+/-0.000 χ^2/NDF : 143918754957920

All: 46.783+/-0.000 χ^2/NDF : 2134436142325

dit_atr1_coil4_err_mean vs Slug, Sign Corrected



Right In: 507.809+/-0.000

χ^2/NDF : 64139927968444054596859613468220719104.0/14

Left Out: 448.905+/-0.000

χ^2/NDF : 6972444969041725929744111494148128768.0/11

Right Out: -577.250+/-0.000

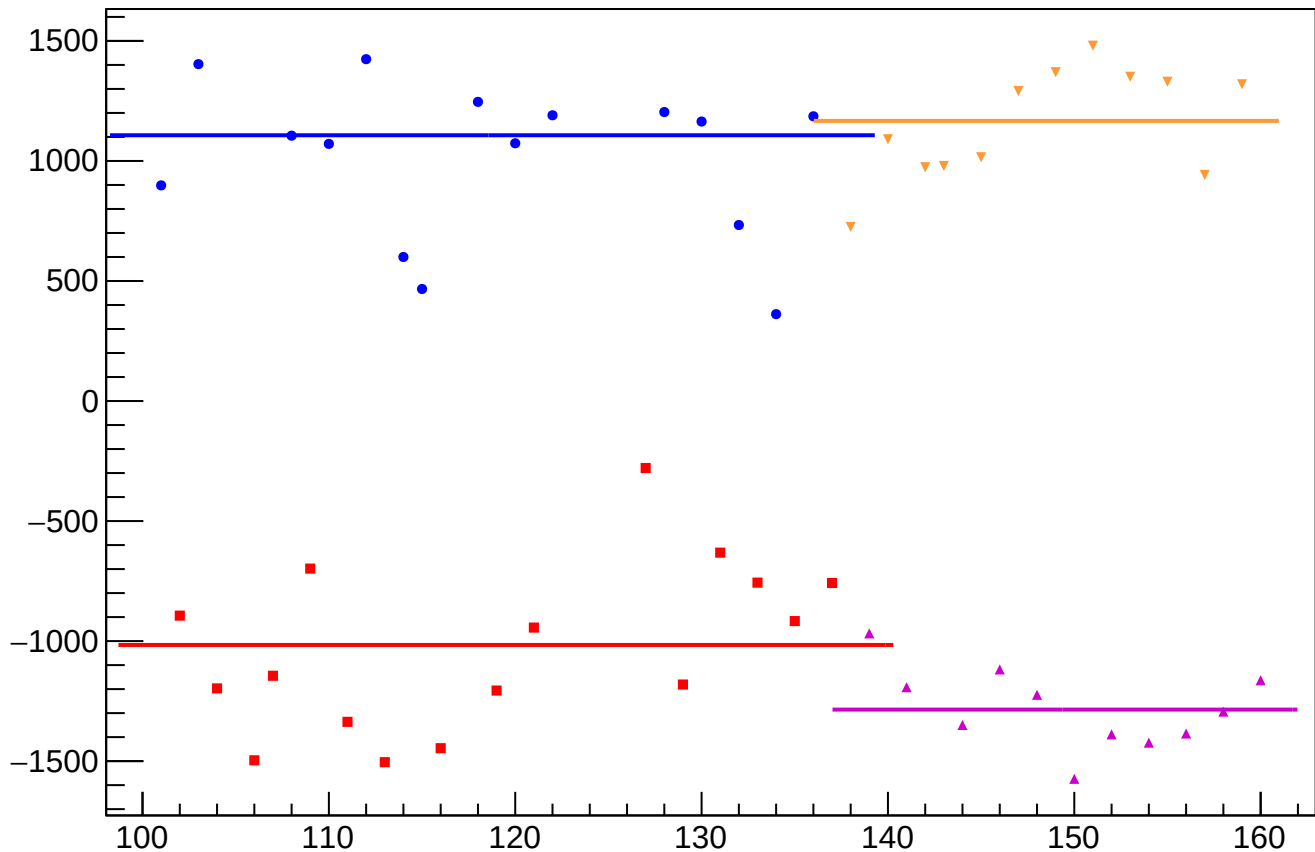
χ^2/NDF : 241288780642623391683958641535574081536.0/15

Left In: -437.315+/-0.000

χ^2/NDF : 4874677524968742275560761293986070528.0/10

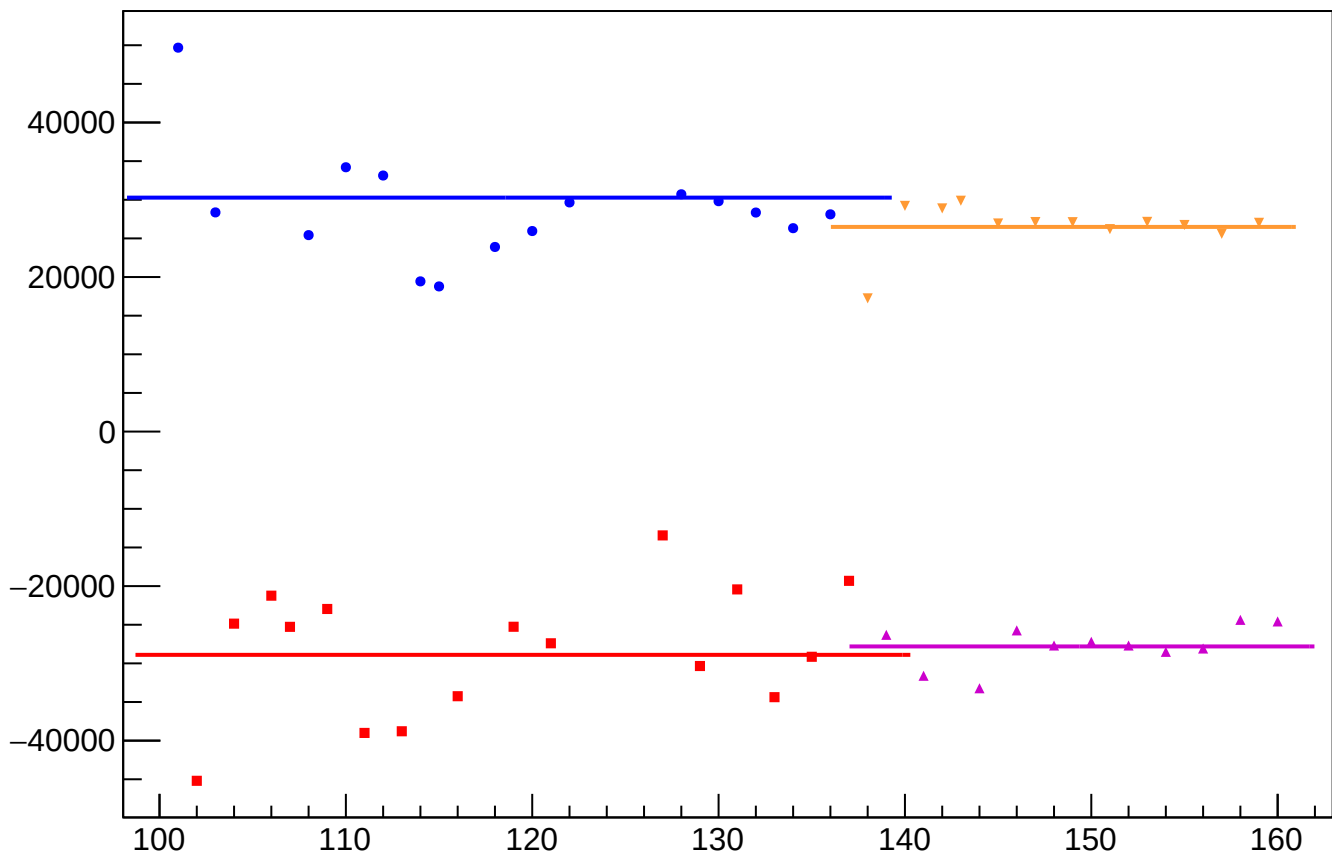
All: -15.611+/-0.000 χ^2/NDF : 106701634148

dit_atr1_coil4_Ndata_mean vs Slug, Sign Corrected



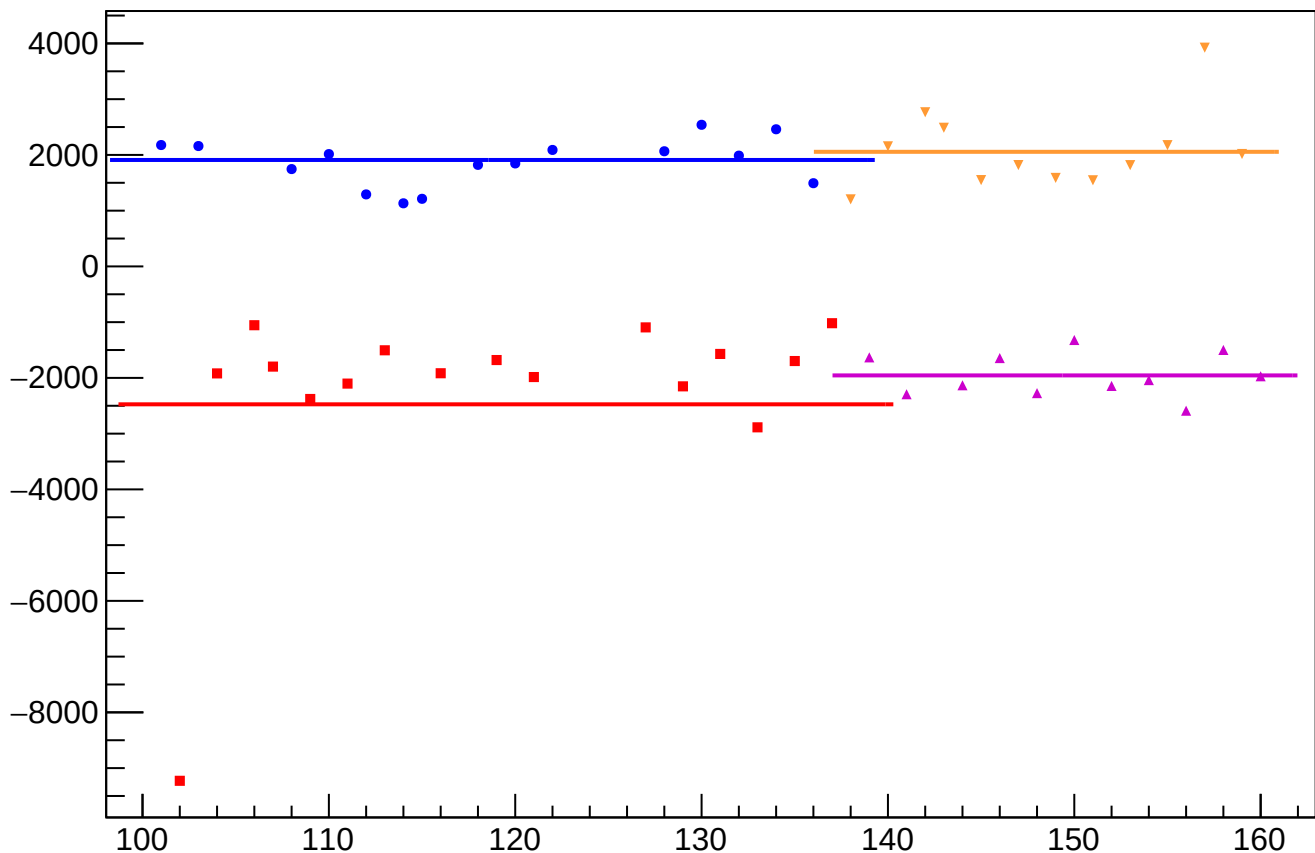
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_atr2_coil4_mean vs Slug, Sign Corrected



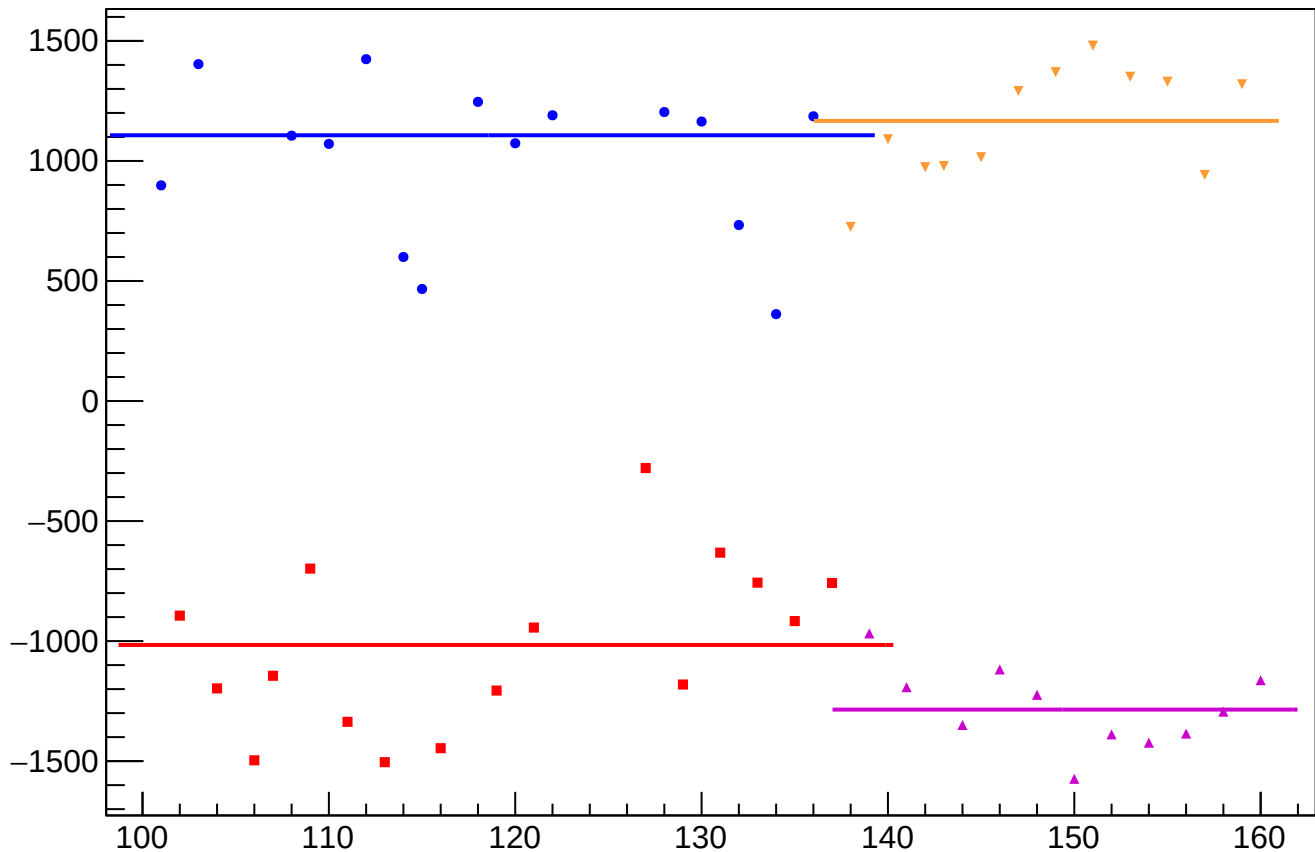
Right In: 30277.649+/-0.000 χ^2/NDF : 30975974641524142453090022540760519278592.0/14
 Left Out: 26486.725+/-0.000 χ^2/NDF : 8520993483340987429131750717035884052480.0/11
 Right Out: -28896.318+/-0.000 χ^2/NDF : 46969504058010359146250560228409714147328.0/15
 Left In: -27807.237+/-0.000 χ^2/NDF : 6193058620219899678835139815803642183680.0/10
 All: -351.512+/-0.000 χ^2/NDF : 25998642244

dit_atr2_coil4_err_mean vs Slug, Sign Corrected



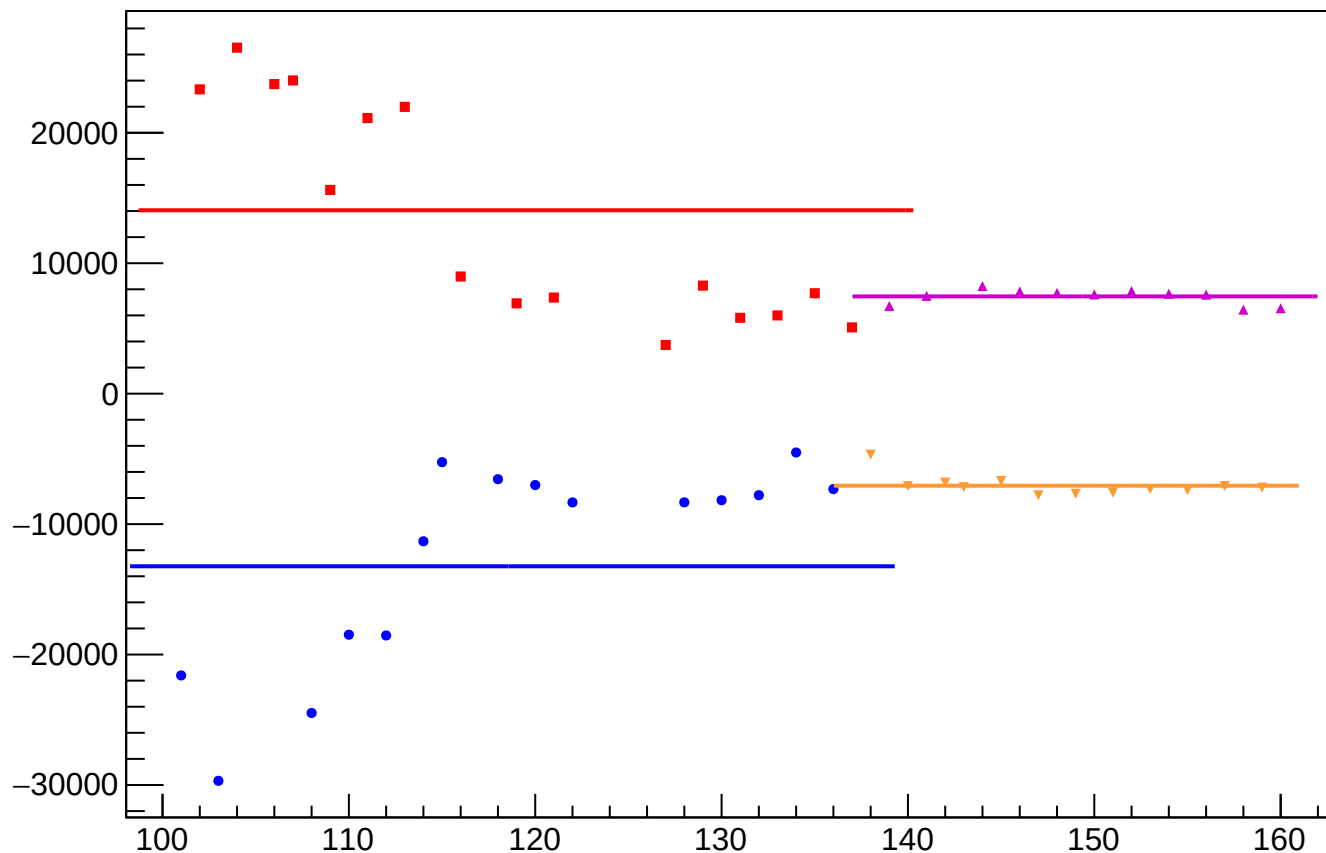
Right In: 1909.434+/-0.000 χ^2/NDF : 87636974094211671524177650165869445120.0/14
 Left Out: 2055.788+/-0.000 χ^2/NDF : 438010168588723075505721290768963862528.0/11
 Right Out: -2473.977+/-0.000 χ^2/NDF : 3033908025746418121738753286600386412544.0/15
 Left In: -1955.312+/-0.000 χ^2/NDF : 126909052383838166035294082177347616768.0/10
 All: -107.368+/-0.000 χ^2/NDF : 17494221106

dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected



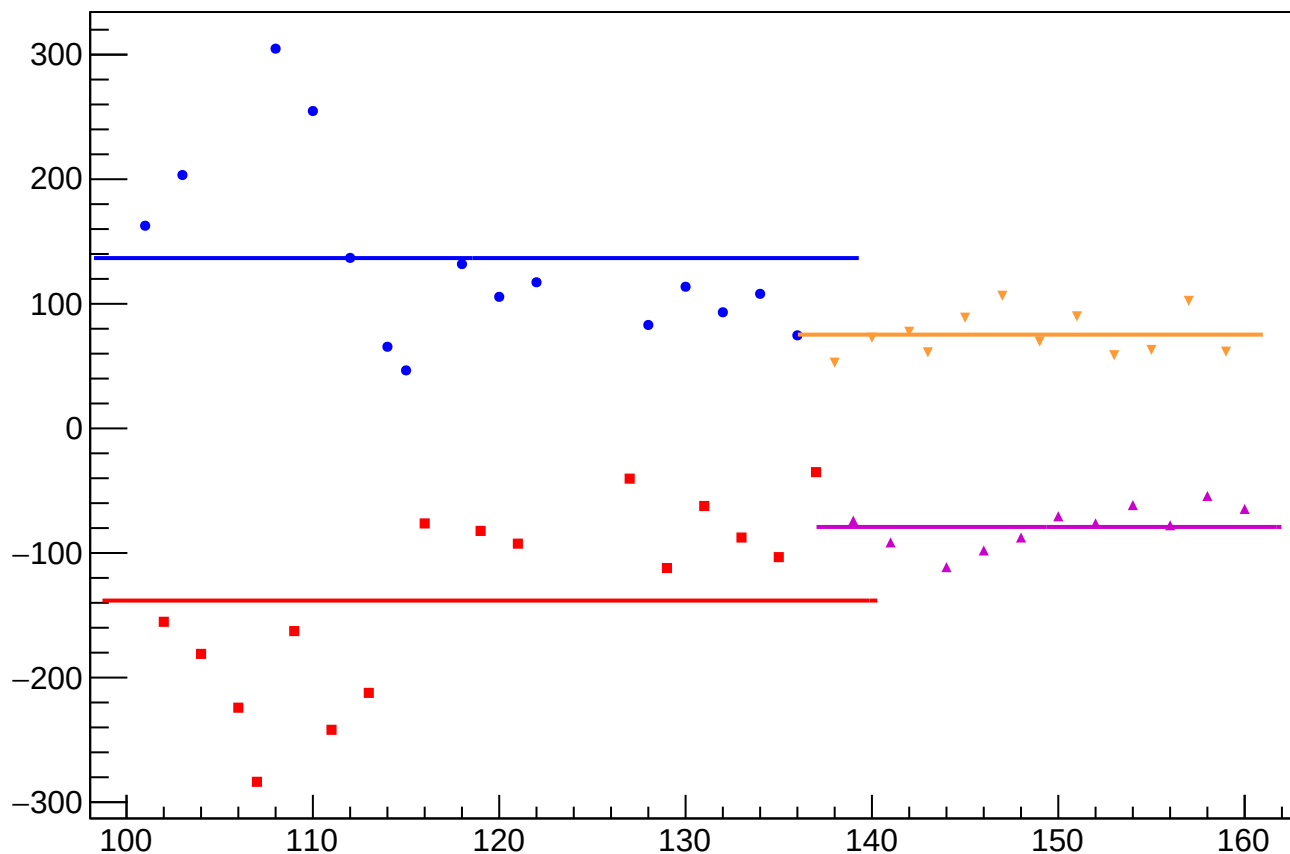
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_sam1_coil4_mean vs Slug, Sign Corrected



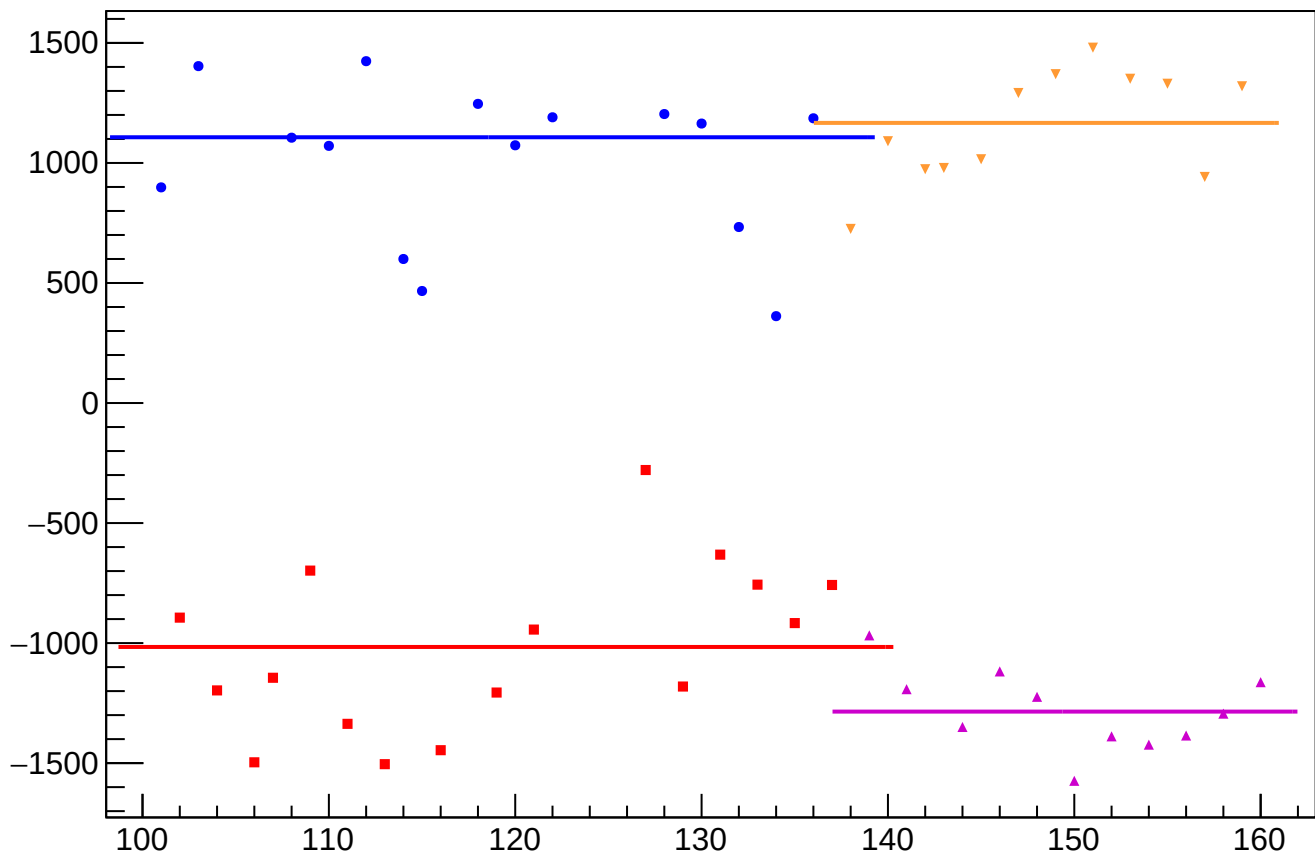
Left: 238.790+/-0.000 χ^2/NDF : 9764033800523105
 Right In: -13233.367+/-0.000 χ^2/NDF : 41257043836213043367596866559499640504320.0/14
 Right: 600.026+/-0.000 χ^2/NDF : 330784909470012
 Left Out: -7057.509+/-0.000 χ^2/NDF : 567022768290026836186795118569021505536.0/11
 In: -1080.099+/-0.000 χ^2/NDF : 204729341611961
 Right Out: 14060.103+/-0.000 χ^2/NDF : 44490594754280161766405556915711386845184.0/15
 Out: 1851.692+/-0.000 χ^2/NDF : 217018548162785
 Left In: 7456.124+/-0.000 χ^2/NDF : 284554324589778558842129447316923351040.0/10
 All: 389.515+/-0.000 χ^2/NDF : 428525321735

dit_sam1_coil4_err_mean vs Slug, Sign Corrected



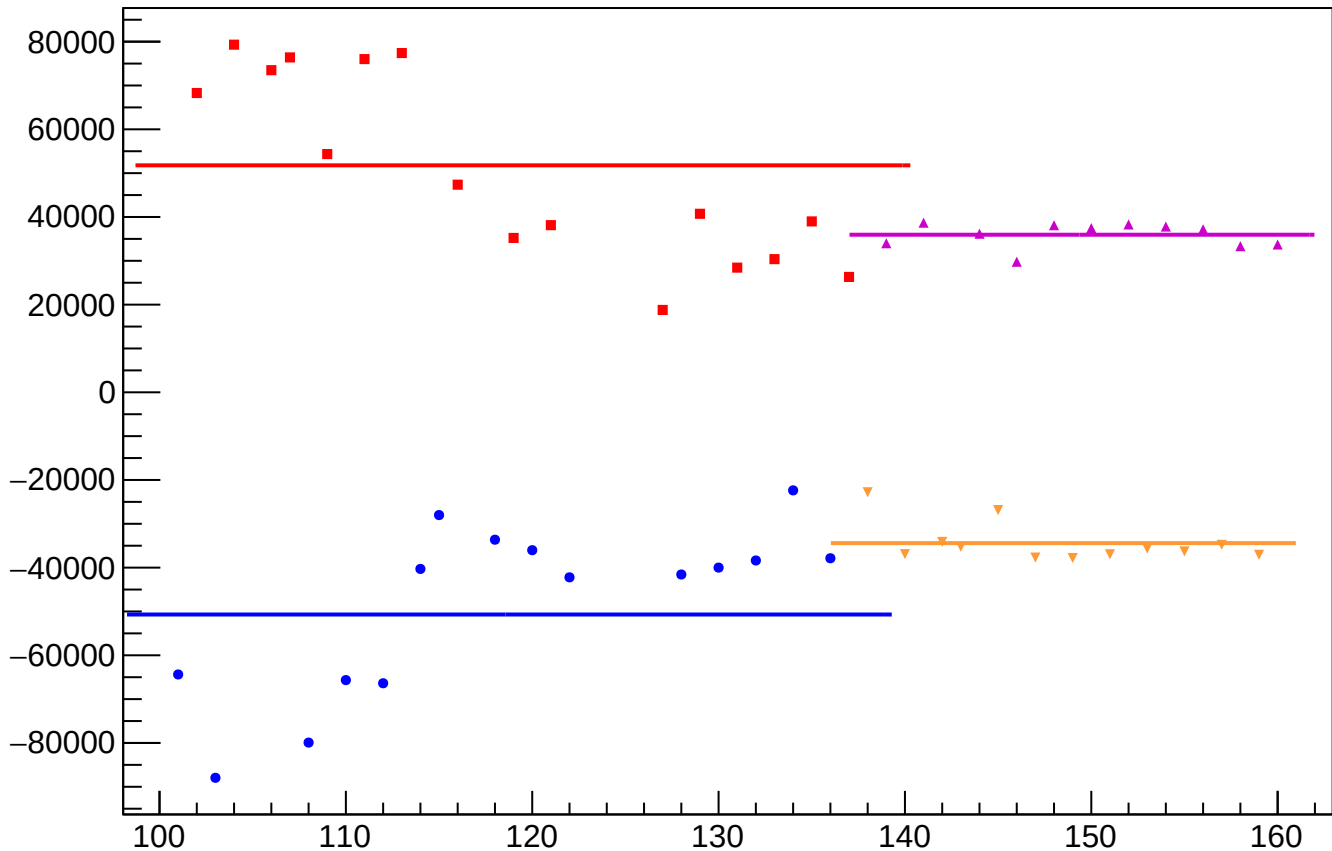
Right In: 136.711+/-0.000 χ^2/NDF : 2687065030885227126291764267456659456.0/14
 Left Out: 75.280+/-0.000 χ^2/NDF : 271565230291715258223184233837363200.0/11
 Right Out: -138.179+/-0.000 χ^2/NDF : 3230883352878636334641613561898467328.0/15
 Left In: -79.096+/-0.000 χ^2/NDF : 243975342218114768326270780809674752.0/10
 All: -2.448+/-0.000 χ^2/NDF : 4224006616846

dit_sam1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam2_coil4_mean vs Slug, Sign Corrected



Right In: -50695.424+/-0.000

Left Out: -34404.656+/-0.000

Right Out: 51783.912+/-0.000

Left In: 35949.660+/-0.000

χ^2/NDF : 226613585253908576683077761132188355526656.0/14

χ^2/NDF : 18820007226442898256054839449855820038144.0/11

χ^2/NDF : 281789617729131996271154198472617478848512.0/15

χ^2/NDF : 6535777806152232441815832130596699635712.0/10

Left: 963.890+/-0.000 χ^2/NDF : 2299689310411856

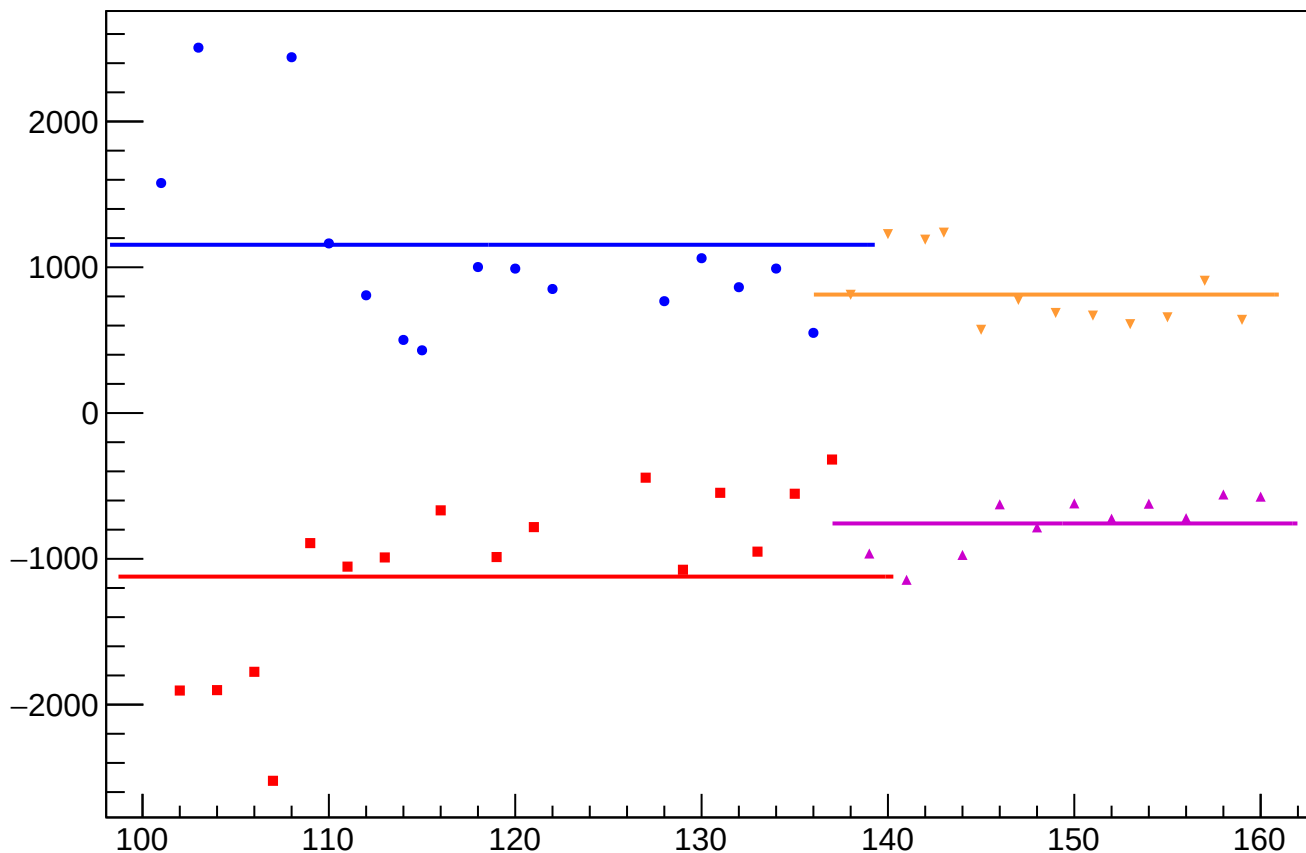
Right: 1245.090+/-0.000 χ^2/NDF : 39629195371379

In: 200.989+/-0.000 χ^2/NDF : 309519005844449410

Out: 1956.998+/-0.000 χ^2/NDF : 316504805338211

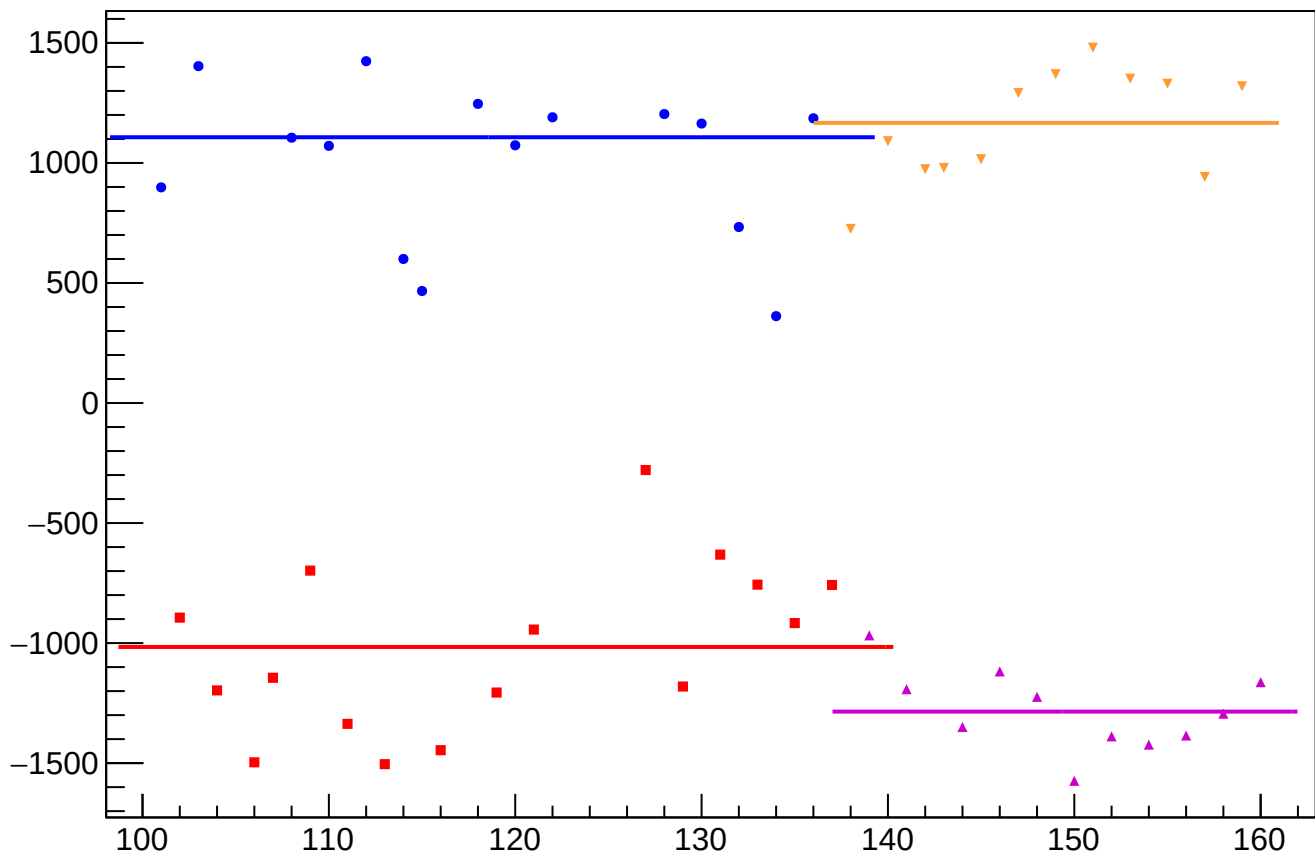
All: 1081.220+/-0.000 χ^2/NDF : 6262669489

dit_sam2_coil4_err_mean vs Slug, Sign Corrected



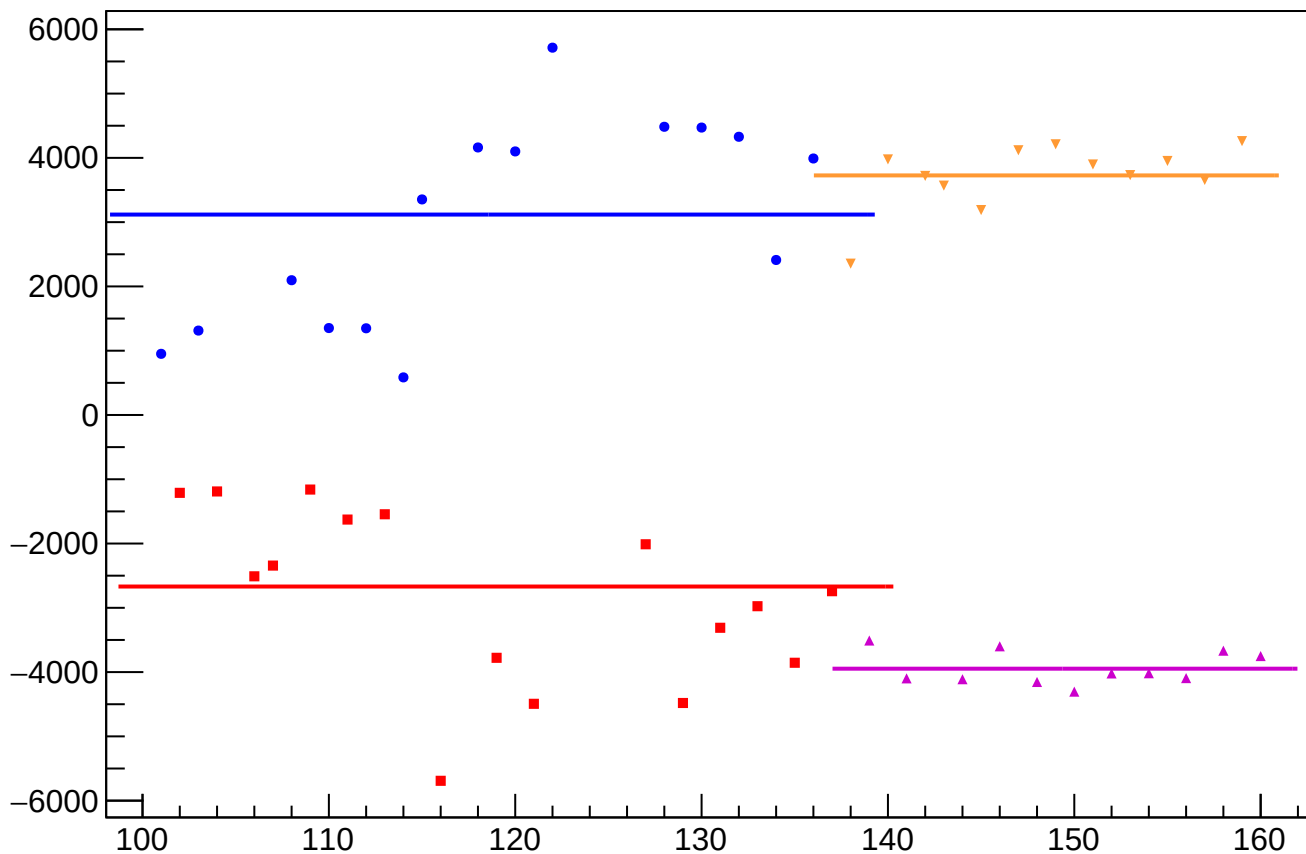
Left: 23.438+/-0.000 χ^2/NDF : 12126636203520677
 Right In: 1154.331+/-0.000 χ^2/NDF : 249270472563470703232737910394663731200.0/14
 Right: 0.631+/-0.000 χ^2/NDF : 21797856278979973
 Left Out: 812.768+/-0.000 χ^2/NDF : 48869150953187834312923483015749828608.0/11
 In: 31.386+/-0.000 χ^2/NDF : 167352264529272497
 Right Out: -1121.934+/-0.000 χ^2/NDF : 226159335639567338179811644002797617152.0/15
 Out: -3.453+/-0.000 χ^2/NDF : 17183684725504016
 Left In: -757.349+/-0.000 χ^2/NDF : 31036557490853362173363612241828511744.0/10
 All: 13.922+/-0.000 χ^2/NDF : 3392848168342

dit_sam2_coil4_Ndata_mean vs Slug, Sign Corrected



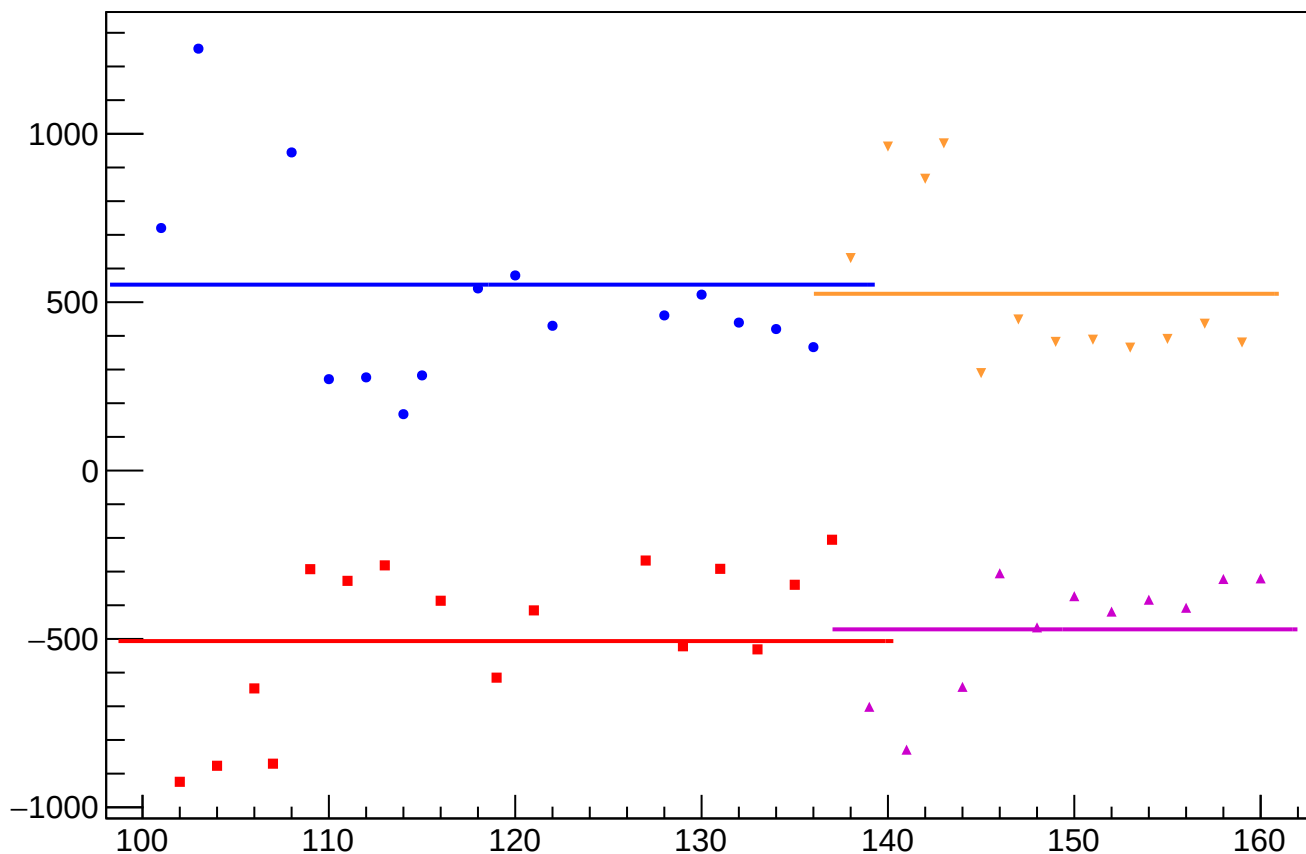
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam3_coil4_mean vs Slug, Sign Corrected



Right In: 3117.914 $\pm$ 0.000 χ^2 /NDF: 1552738593335565674554918493159210090496.0/14
 Left Out: 3727.095 $\pm$ 0.000 χ^2 /NDF: 237477678561542860292825834329185714176.0/11
 Right Out: -2668.794 $\pm$ 0.000 χ^2 /NDF: 1136406286131098596000054422131257114624.0/15
 Left In: -3947.046 $\pm$ 0.000 χ^2 /NDF: 56963661018859057070812095134472077312.0/10
 All: 0.930 $\pm$ 0.000 χ^2 /NDF: 41135190376945

dit_sam3_coil4_err_mean vs Slug, Sign Corrected



Right In: 552.108+/-0.000 χ^2/NDF : 50739041741159119848523988236001869824.0/14

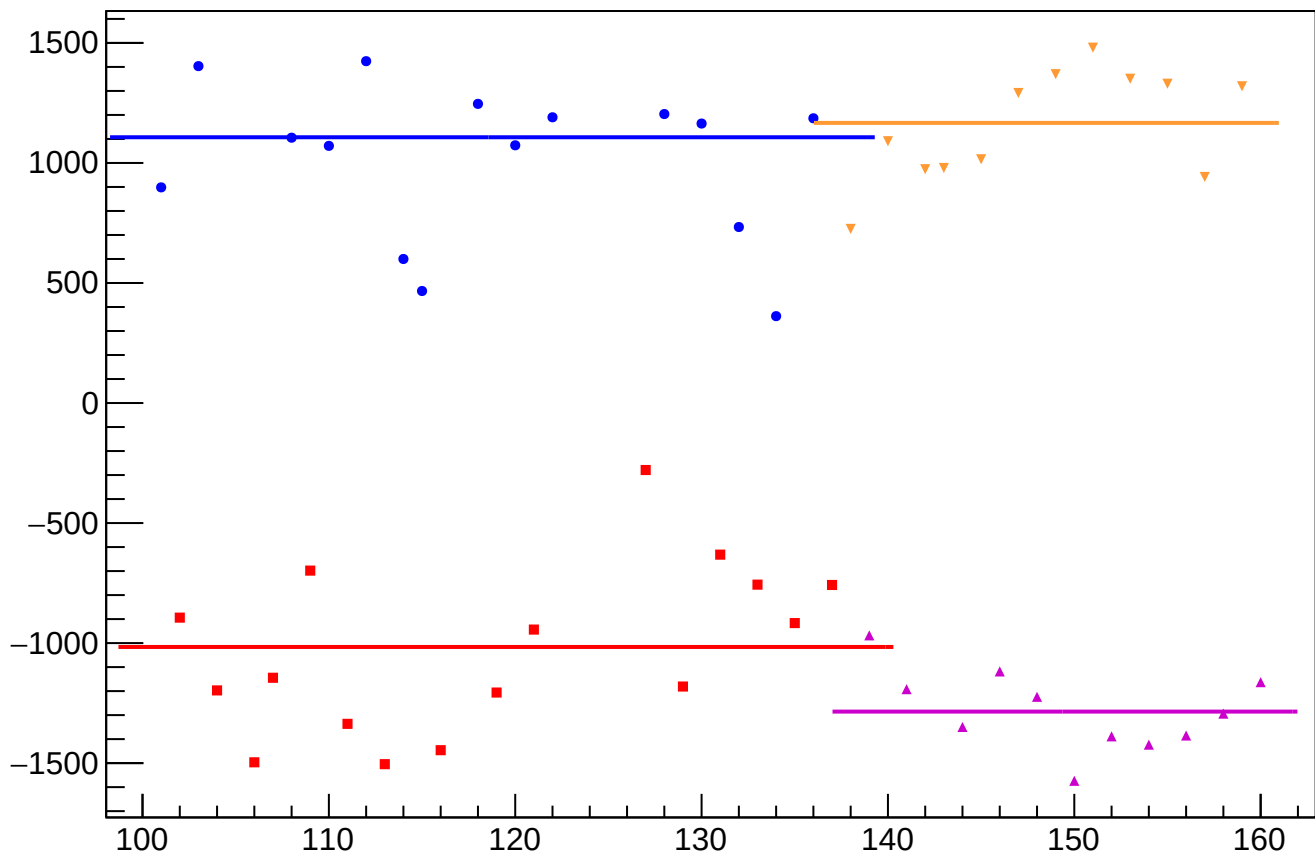
Left Out: 524.984+/-0.000 χ^2/NDF : 49120612413638370088062361036096798720.0/11

Right Out: -506.345+/-0.000 χ^2/NDF : 37181653297314883501659131806010572800.0/15

Left In: -471.540+/-0.000 χ^2/NDF : 25680884477827715914944205366363160576.0/10

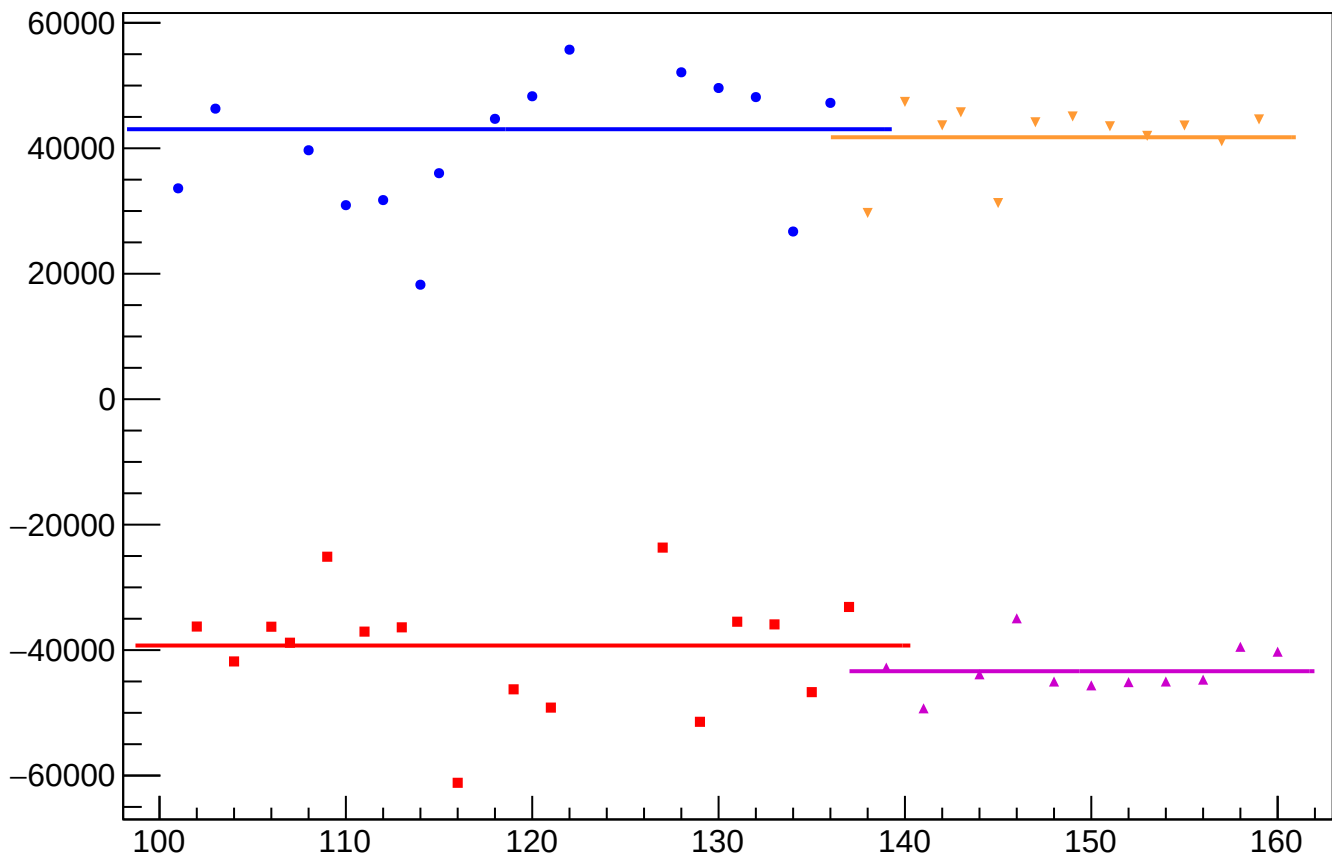
All: 20.520+/-0.000 χ^2/NDF : 9875911626514

dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 $\pm$ 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 $\pm$ 0.000 χ^2/NDF : 443493791328

dit_sam4_coil4_mean vs Slug, Sign Corrected



Right In: 43039.927+/-0.000

χ^2/NDF : 48397052922561722652666786407552179503104.0/14

Left Out: 41759.238+/-0.000

χ^2/NDF : 26338532629522543185974017898719754584064.0/11

Right Out: -39269.627+/-0.000

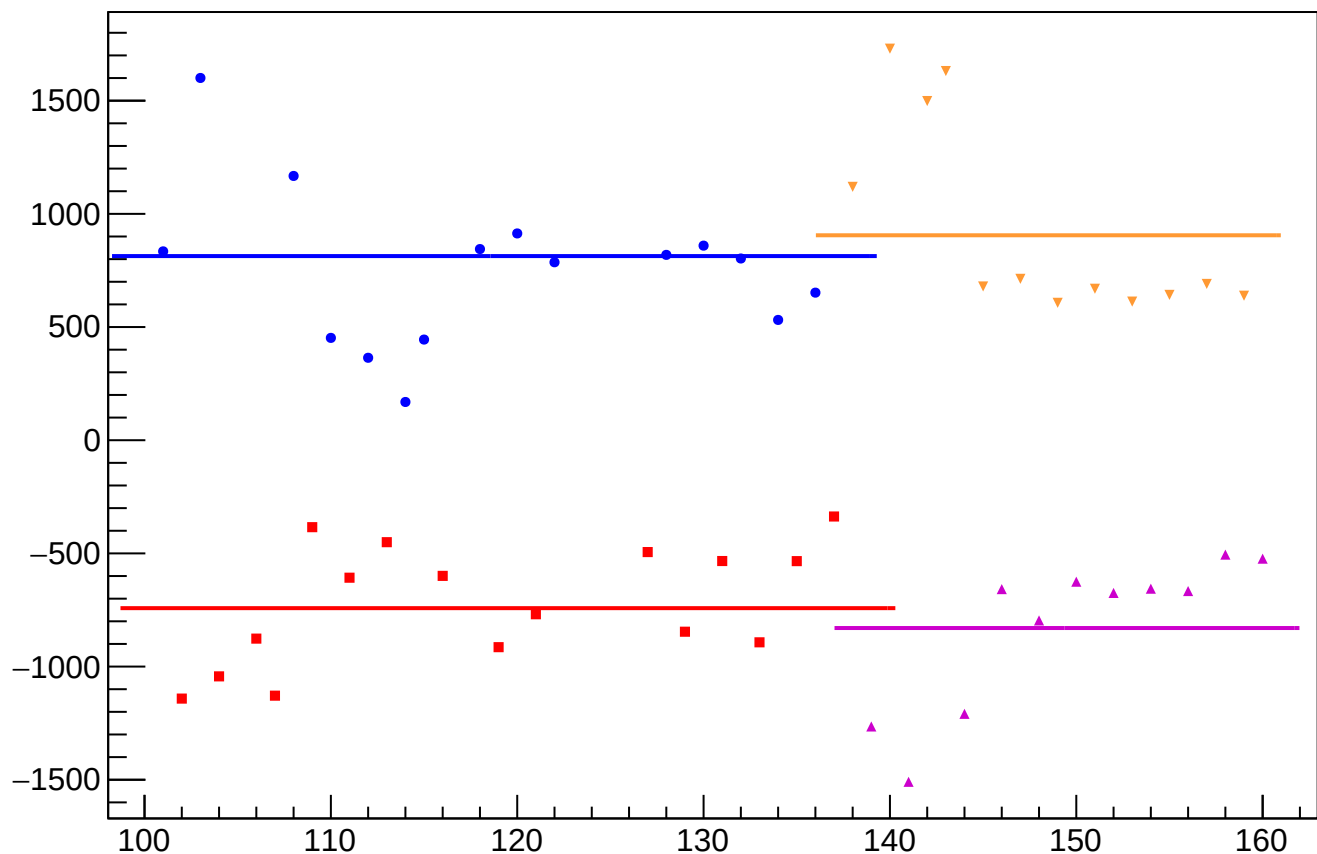
χ^2/NDF : 51873036517757666237545716605051585167360.0/15

Left In: -43364.892+/-0.000

χ^2/NDF : 12209695723681592241000188414954802511872.0/10

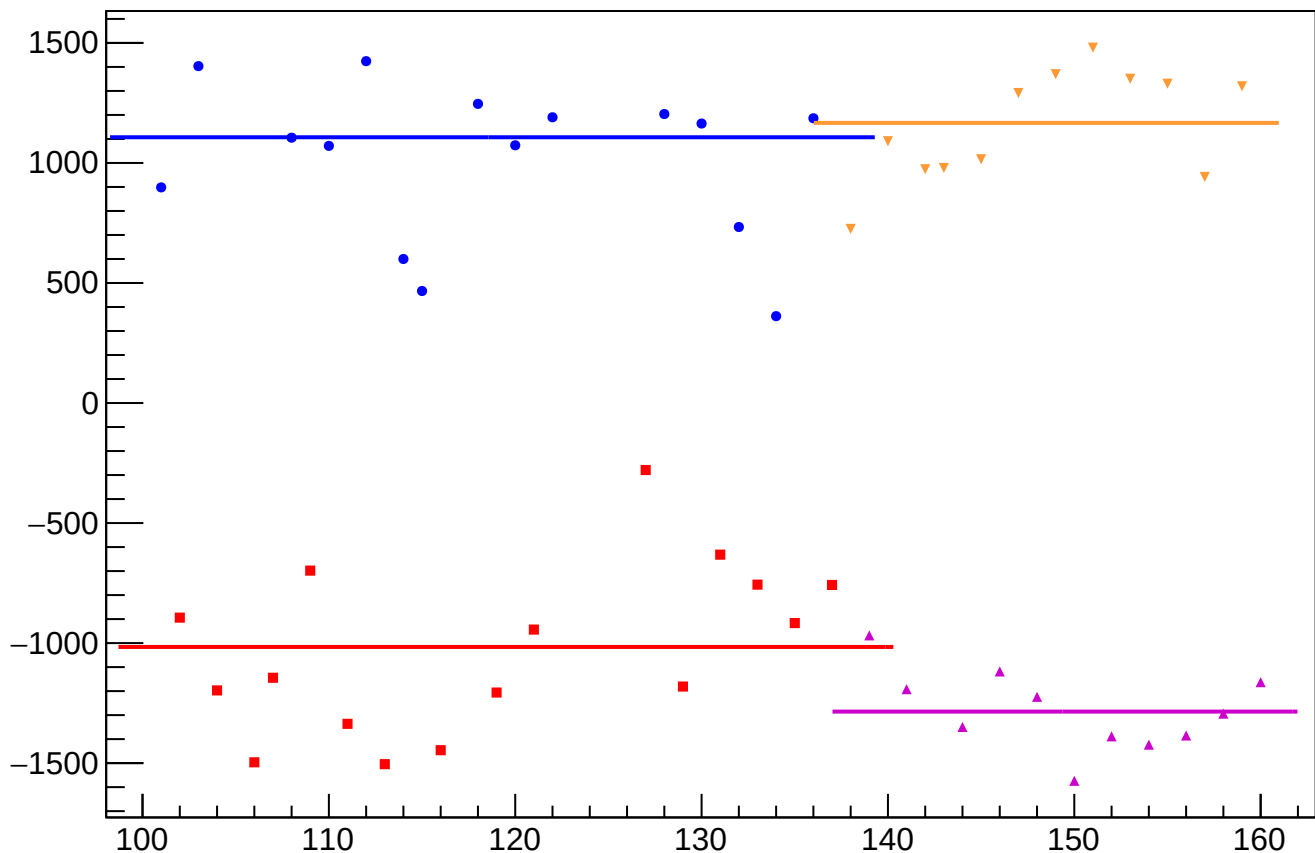
All: -51.092+/-0.000 χ^2/NDF : 570108278214

dit_sam4_coil4_err_mean vs Slug, Sign Corrected



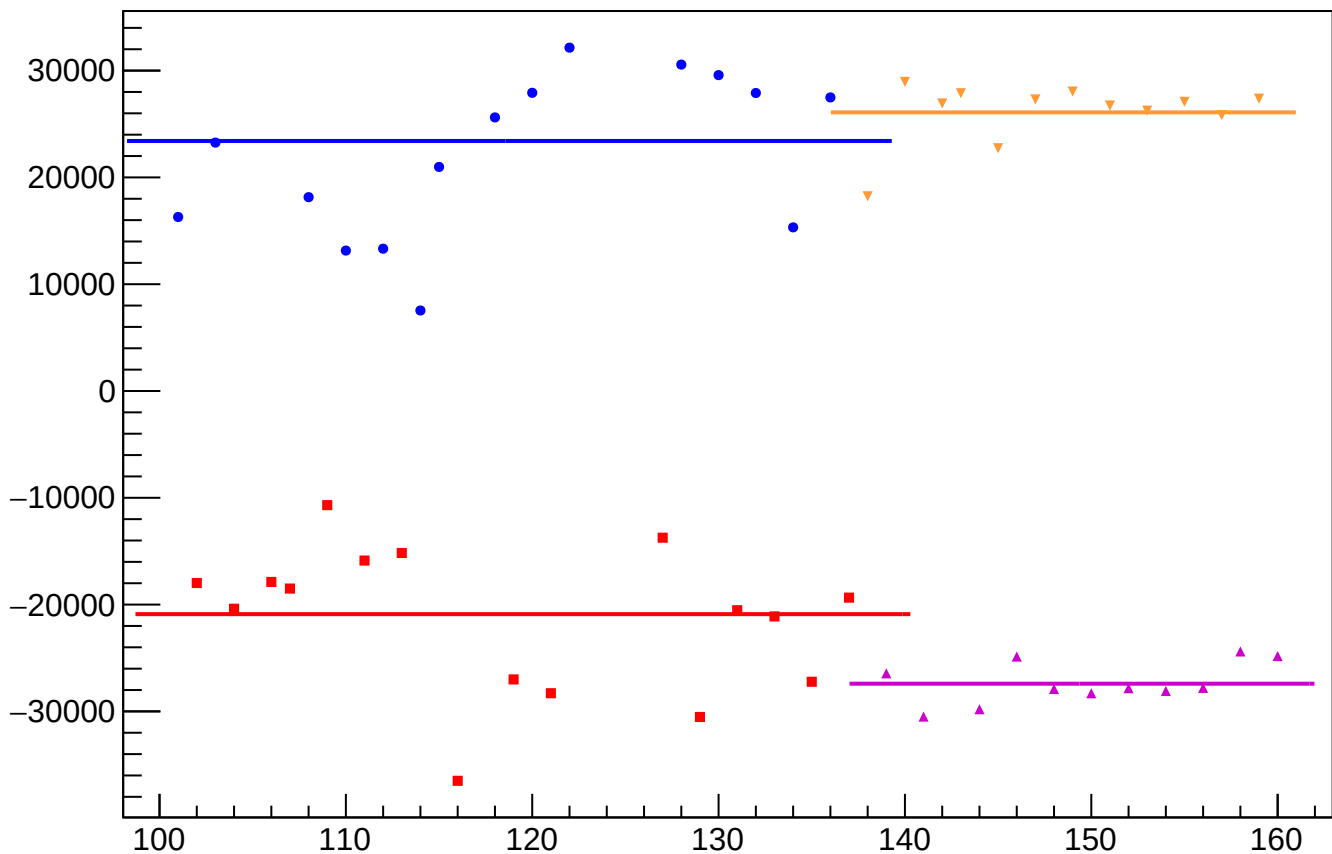
Right In: 813.500+/-0.000 χ^2/NDF : 67120916816548237638948787518351343616.0/14
 Left Out: 905.383+/-0.000 χ^2/NDF : 151600119297269061553878773288042233856.0/11
 Right Out: -741.911+/-0.000 χ^2/NDF : 44074134397215409235604746432671645696.0/15
 Left In: -829.715+/-0.000 χ^2/NDF : 96077836071623048341749512260917657600.0/10
 All: 29.794+/-0.000 χ^2/NDF : 2538038020154

dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected



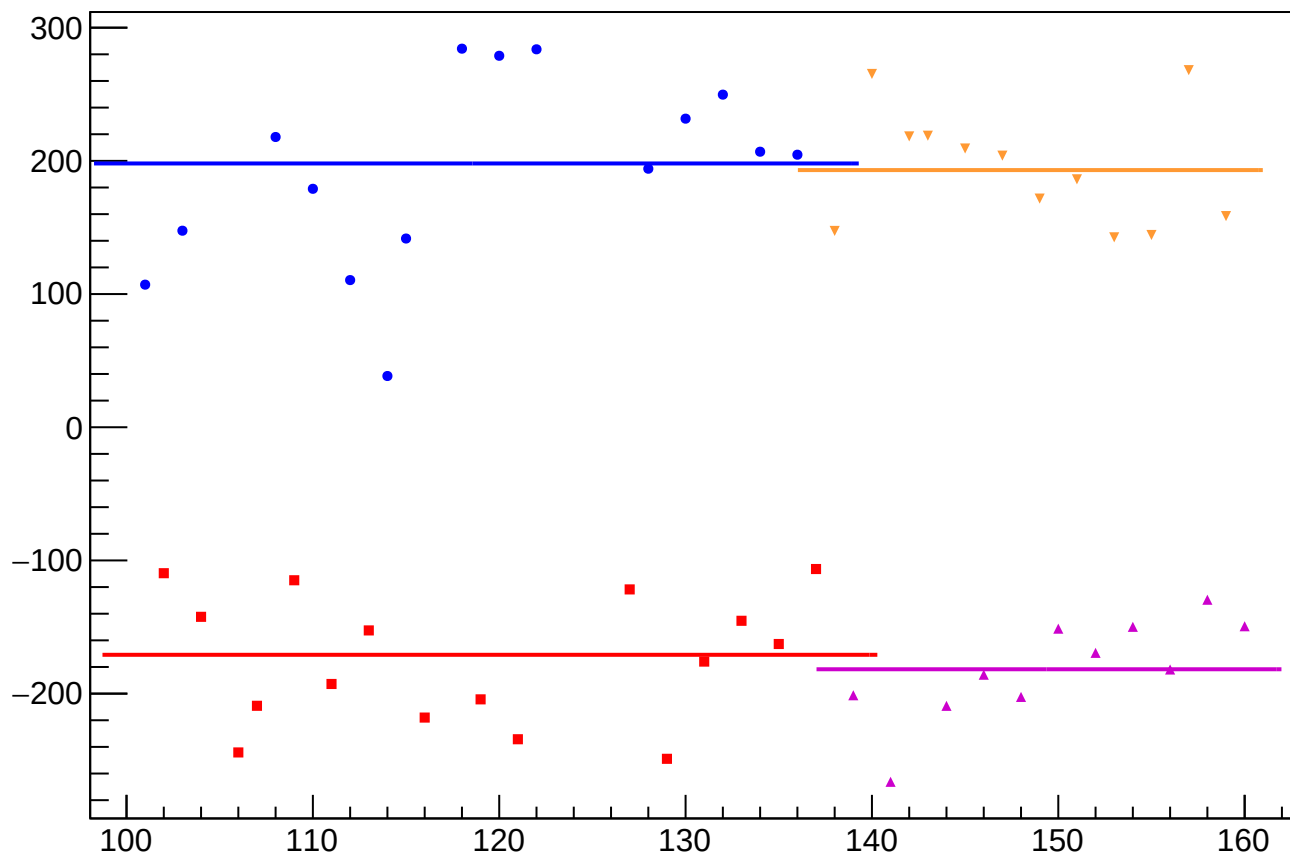
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam5_coil4_mean vs Slug, Sign Corrected



Right In: 23411.506 $\pm$ 0.000 χ^2 /NDF: 28427457471780319352885746571315708428288.0/14
 Left Out: 26089.435 $\pm$ 0.000 χ^2 /NDF: 7297474697325231234633060364075485102080.0/11
 Right Out: -20894.122 $\pm$ 0.000 χ^2 /NDF: 27408965804578649107002909409987218374656.0/15
 Left In: -27407.255 $\pm$ 0.000 χ^2 /NDF: 3322659858866093858426557456838465421312.0/10
 All: -70.029 $\pm$ 0.000 χ^2 /NDF: 202953713345

dit_sam5_coil4_err_mean vs Slug, Sign Corrected



Right In: 198.056+/-0.000 χ^2/NDF : 2482928792293864415922382990034862080.0/14

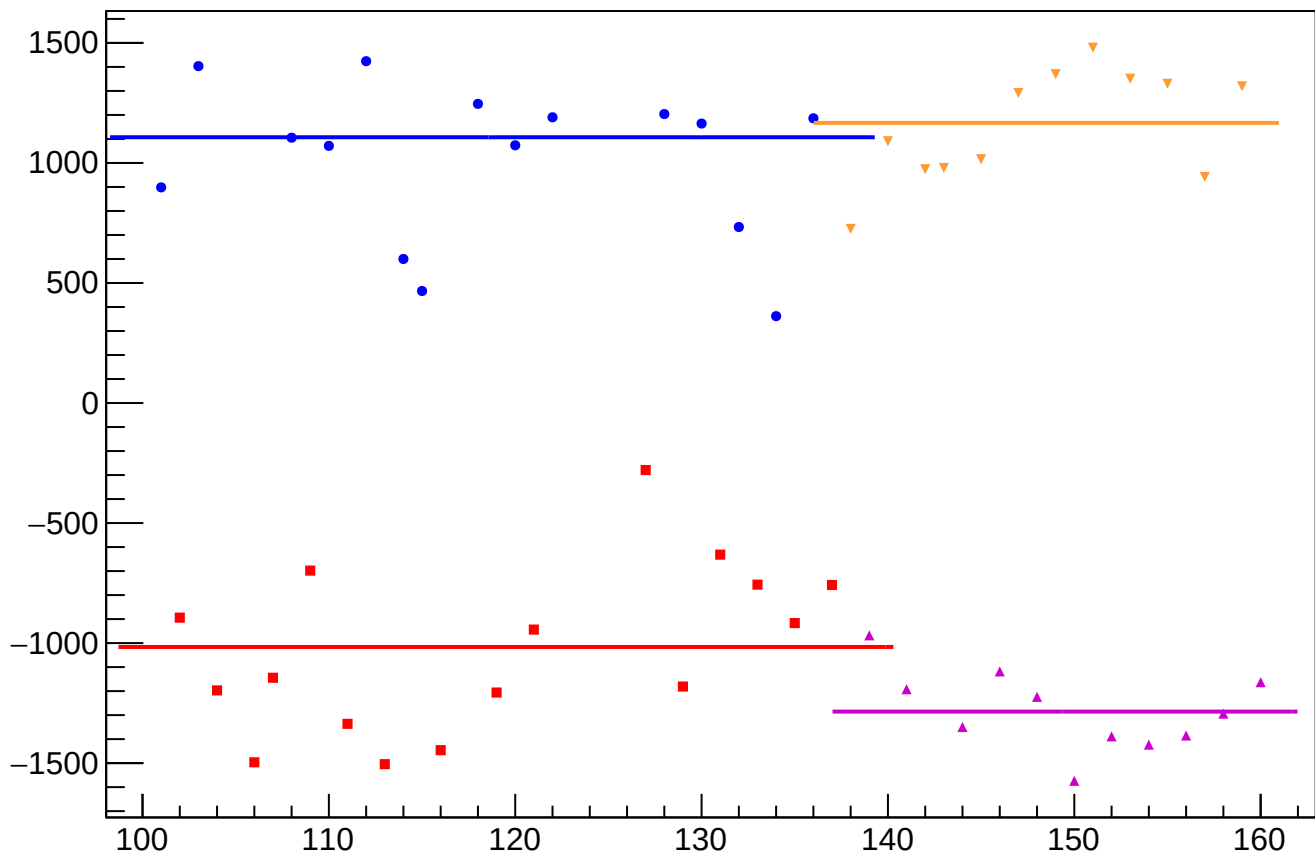
Left Out: 193.084+/-0.000 χ^2/NDF : 1682749705439949881122511912389574656.0/11

Right Out: -170.851+/-0.000 χ^2/NDF : 1418314816915016425155520631536615424.0/15

Left In: -181.711+/-0.000 χ^2/NDF : 1228549704796737698218369408017891328.0/10

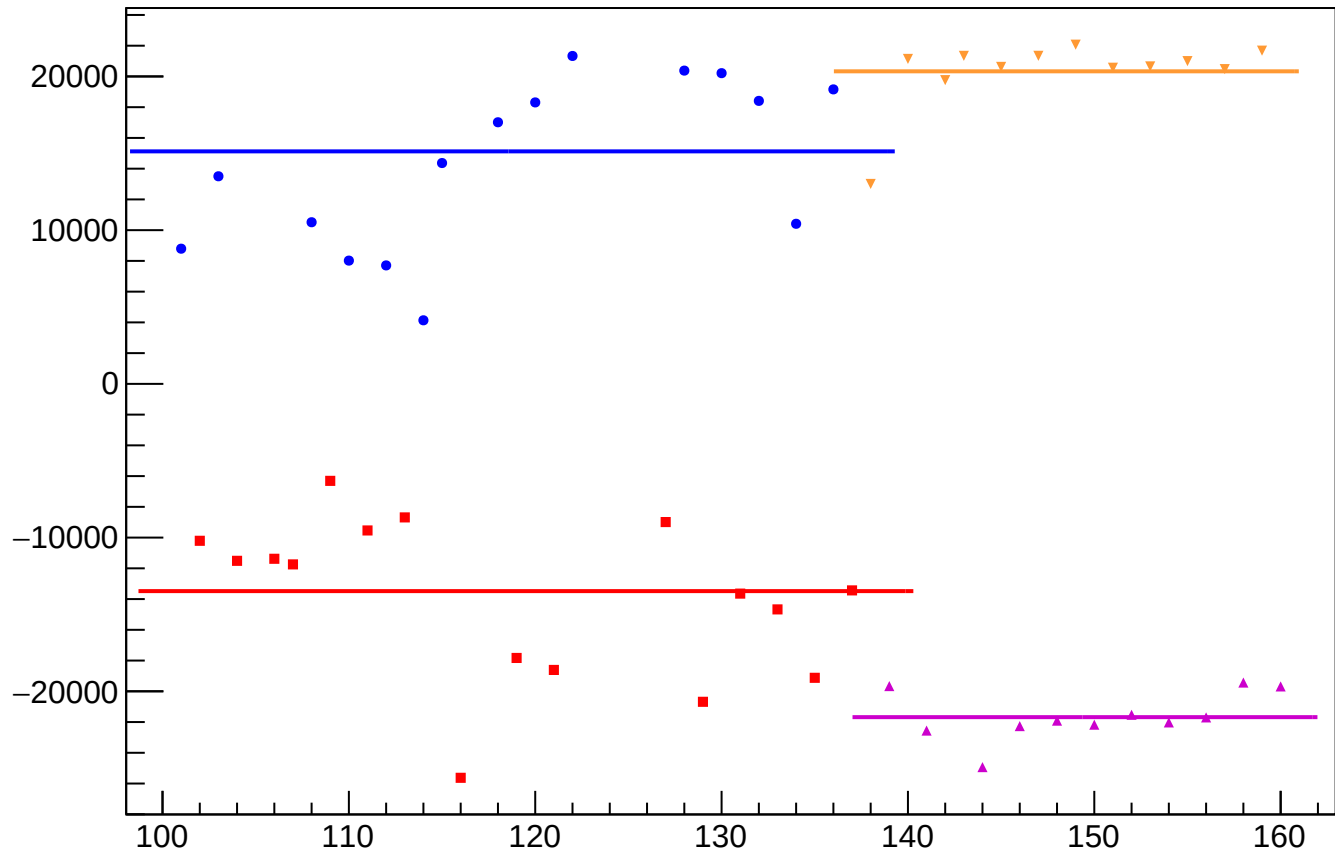
All: 7.342+/-0.000 χ^2/NDF : 11615483338933

dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected



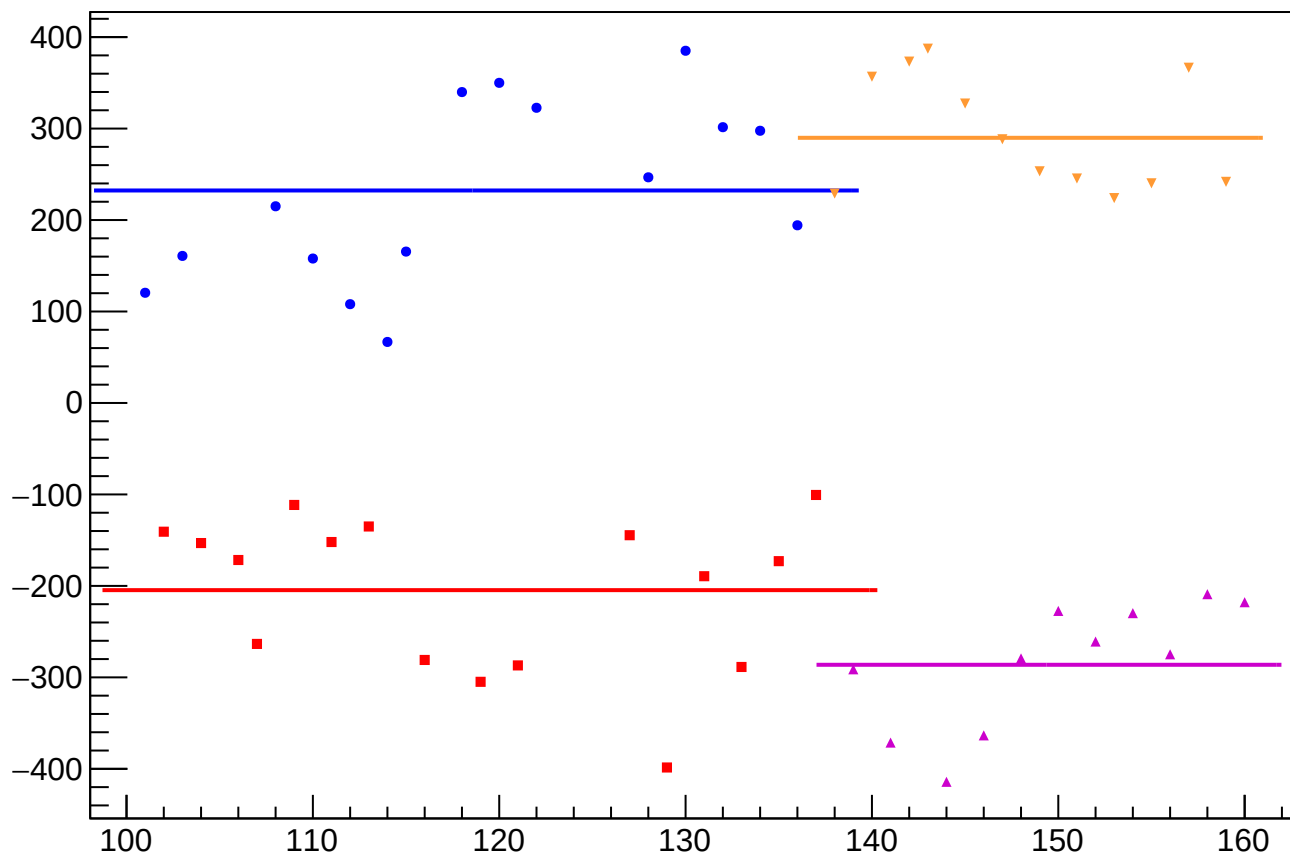
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam6_coil4_mean vs Slug, Sign Corrected



Right In: 15125.834 $\pm$ 0.000 χ^2 /NDF: 16615438767664069151744668380763246297088.0/14
 Left Out: 20333.061 $\pm$ 0.000 χ^2 /NDF: 4855949225776942763226853940369054236672.0/11
 Right Out: -13482.244 $\pm$ 0.000 χ^2 /NDF: 15910426475407825250252248749810022088704.0/15
 Left In: -21681.241 $\pm$ 0.000 χ^2 /NDF: 2108874573649202621711530332866310307840.0/10
 All: -198.174 $\pm$ 0.000 χ^2 /NDF: 11213217633

dit_sam6_coil4_err_mean vs Slug, Sign Corrected



Right In: 232.312 $\pm$ 0.000

χ^2 /NDF: 5478184144885833956204804001180418048.0/14

Left Out: 289.897 $\pm$ 0.000

χ^2 /NDF: 3202390993231935504147250998086205440.0/11

Right Out: -204.637 $\pm$ 0.000

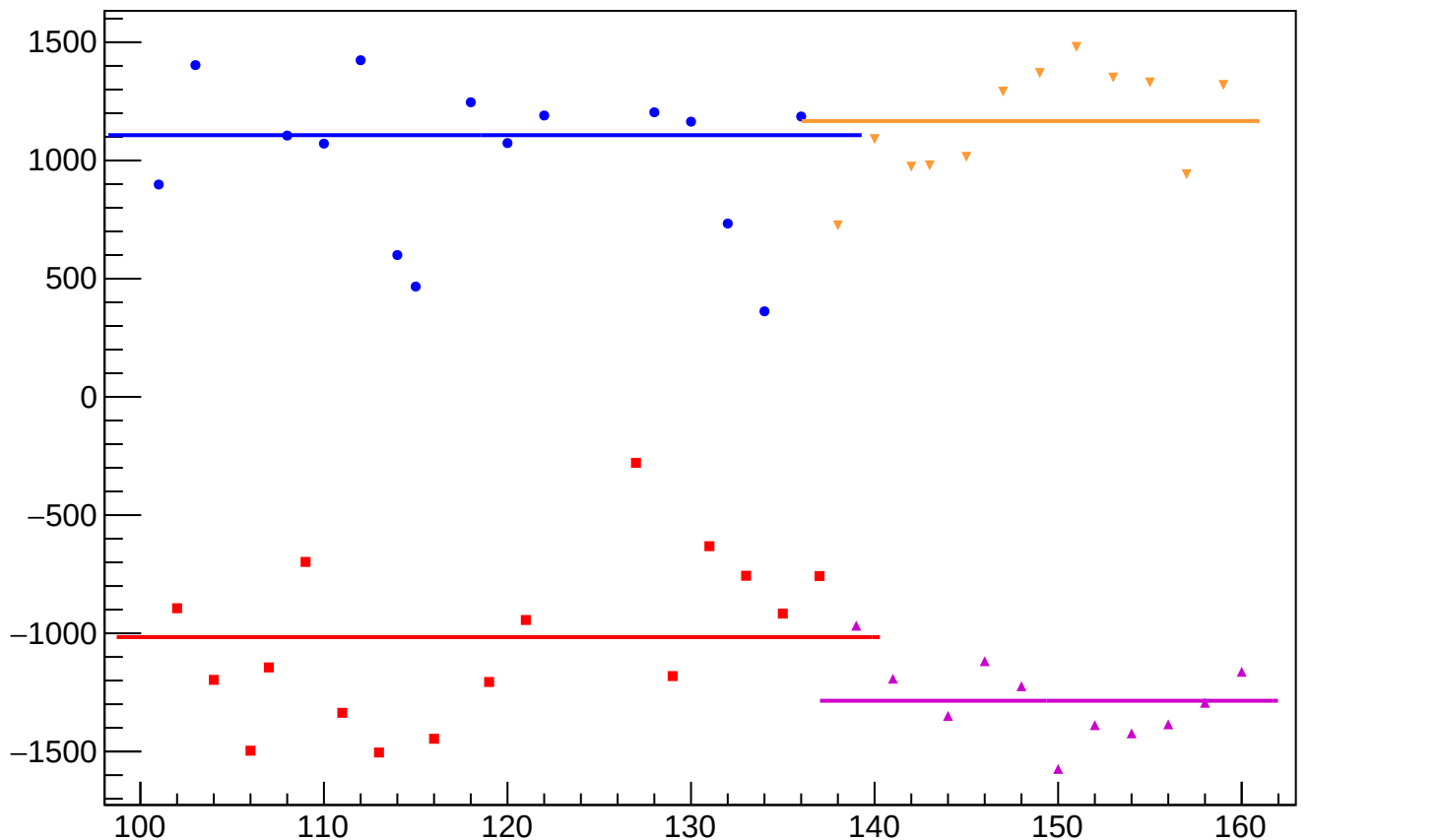
χ^2 /NDF: 4555067046835230017930882867882098688.0/15

Left In: -286.246 $\pm$ 0.000

χ^2 /NDF: 4067110443230234744644750983181631488.0/10

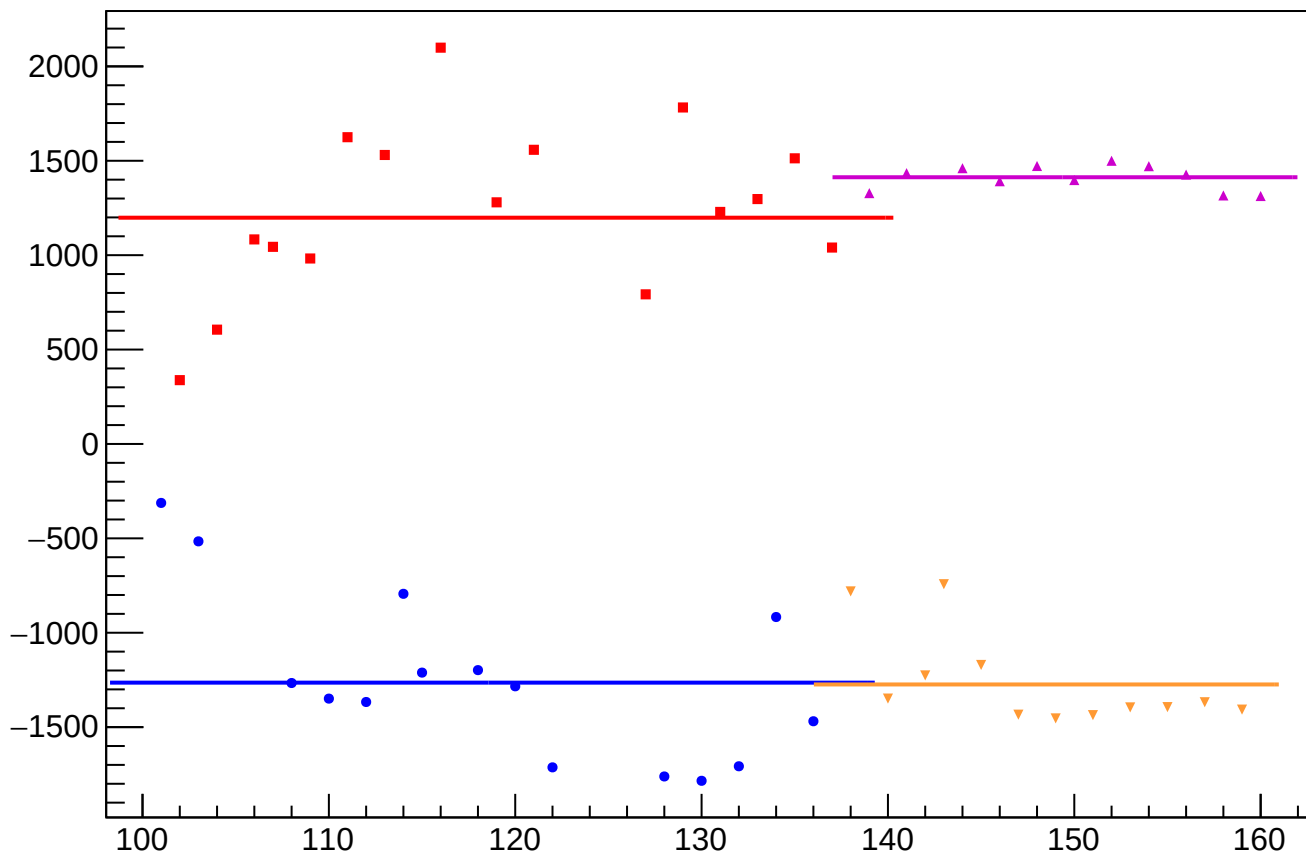
All: 4.677 $\pm$ 0.000 χ^2 /NDF: 2327138069389

dit_sam6_coil4_Ndata_mean vs Slug, Sign Corrected



Left: -65.918 +/- 0.000 χ^2/NDF : 2831749902088431
 Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Right: 30.953 +/- 0.000 χ^2/NDF : 1595991371539270
 Left Out: 1166.869 +/- 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 In: -298.283 +/- 0.000 χ^2/NDF : 2246669587664541
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 72567664333509192712184310037150171136.0/15
 Out: 245.904 +/- 0.000 χ^2/NDF : 1954763504813796
 Left In: -1285.364 +/- 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 +/- 0.000 χ^2/NDF : 443493791328

dit_sam7_coil4_mean vs Slug, Sign Corrected



Right In: -1264.303 $\pm$ 0.000

Left Out: -1273.912 $\pm$ 0.000

Right Out: 1198.483 $\pm$ 0.000

Left In: 1412.771 $\pm$ 0.000

χ^2 /NDF: 140215251538502657549173994543931981824.0/14

χ^2 /NDF: 50517219487332482659121972372719009792.0/11

χ^2 /NDF: 131164763898016793515492217696167133184.0/15

χ^2 /NDF: 3642959557366432228461510163957809152.0/10

Left: 76.739 $\pm$ 0.000 χ^2 /NDF: 33708552711057657

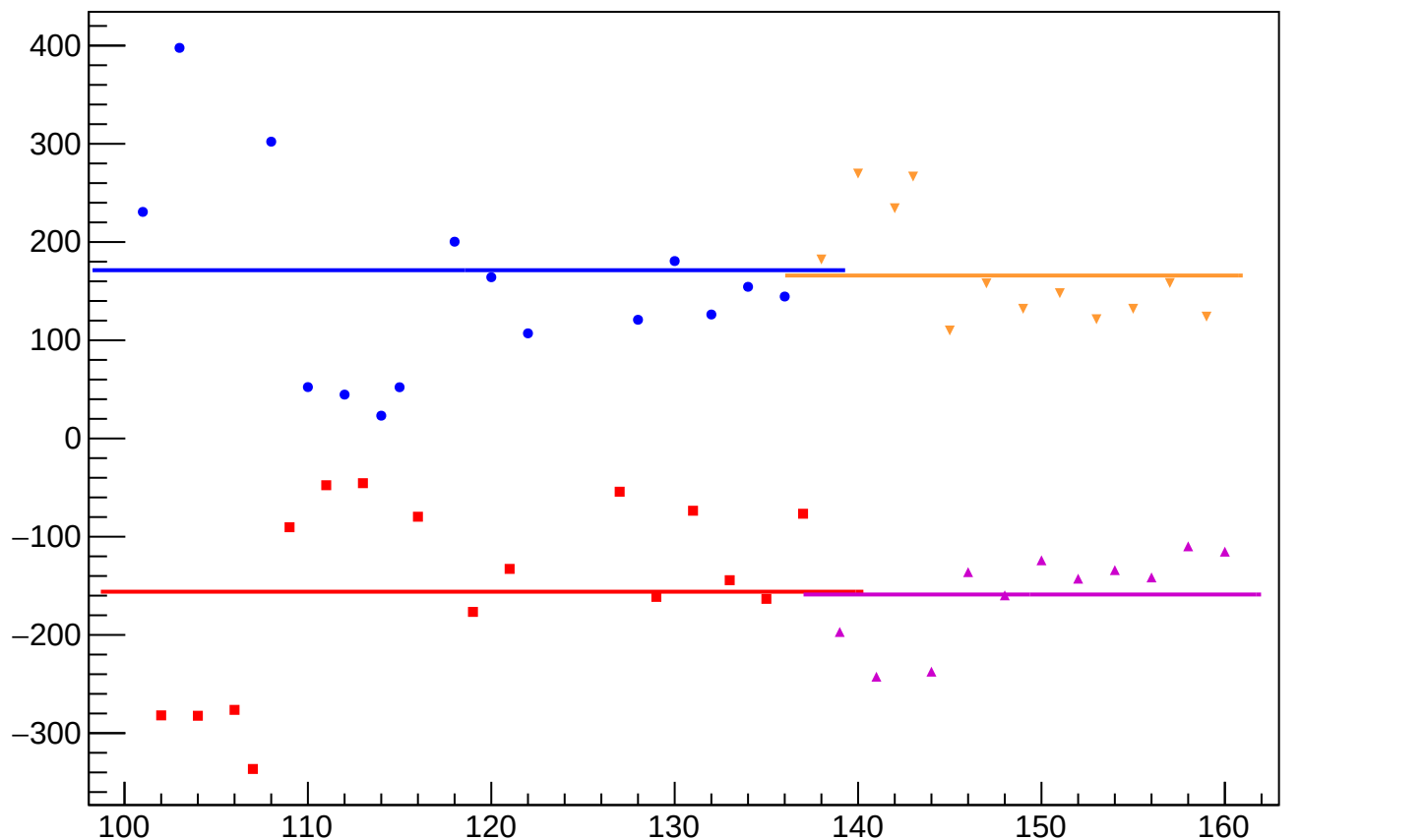
Right: -16.067 $\pm$ 0.000 χ^2 /NDF: 226649511001664

In: 308.244 $\pm$ 0.000 χ^2 /NDF: 28760344161485338

Out: -230.846 $\pm$ 0.000 χ^2 /NDF: 253877034127960

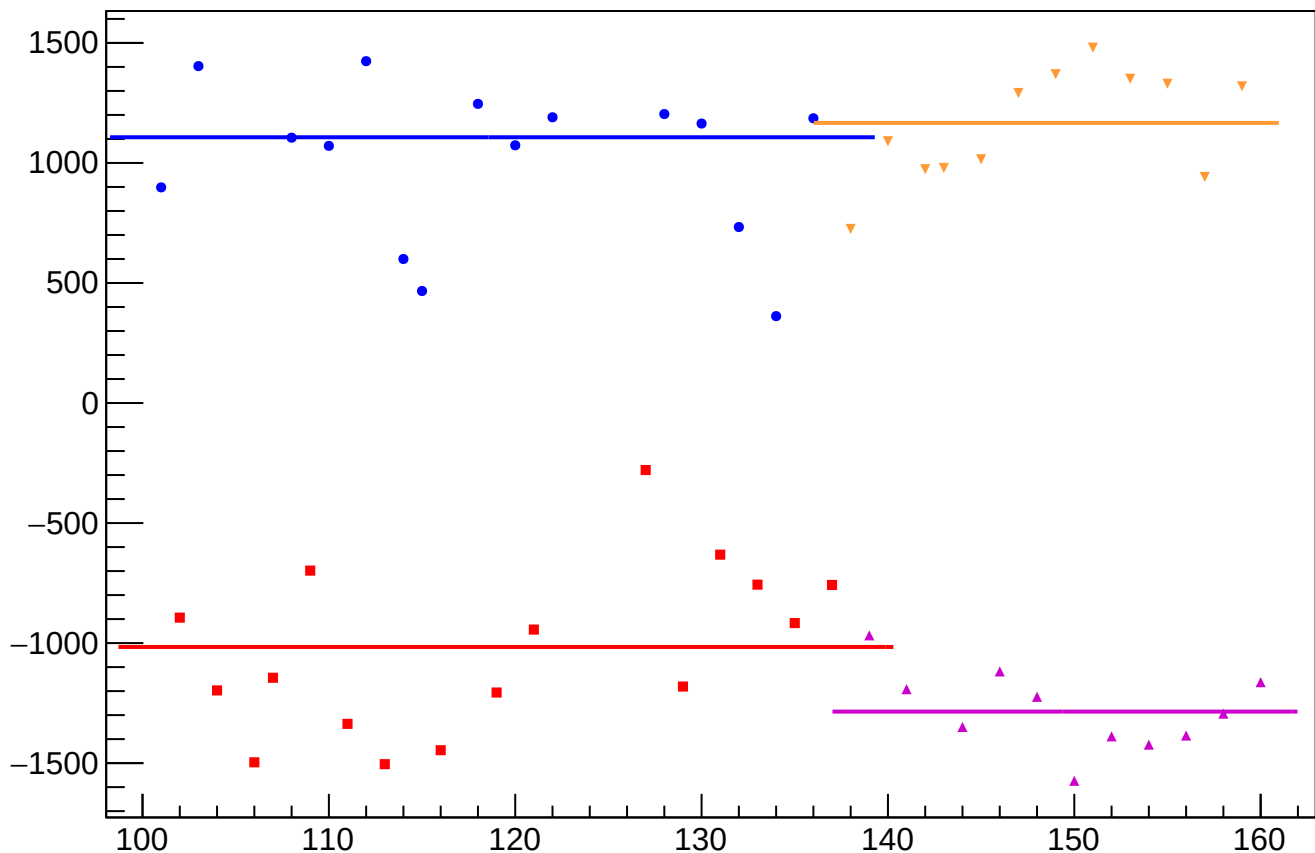
All: 38.016 $\pm$ 0.000 χ^2 /NDF: 5643955595721

dit_sam7_coil4_err_mean vs Slug, Sign Corrected



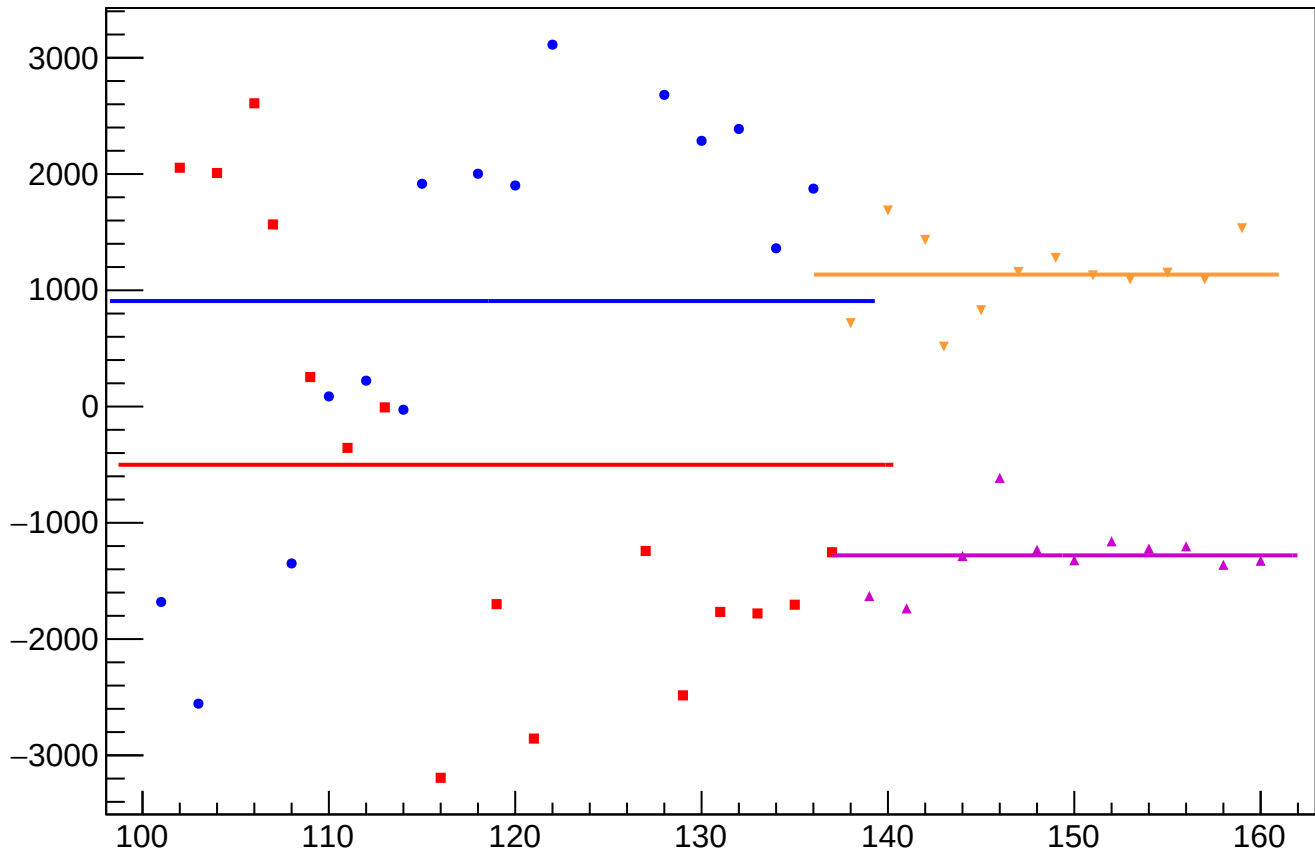
Right In: 171.323+/-0.000 χ^2/NDF : 6120975075187305509795143064993398784.0/14
 Left Out: 165.917+/-0.000 χ^2/NDF : 2574923375517186479088669940447707136.0/11
 Right Out: -155.993+/-0.000 χ^2/NDF : 5680659281504595852021524727244783616.0/15
 Left In: -158.834+/-0.000 χ^2/NDF : 1853310895668256586520412981739651072.0/10
 All: 3.813+/-0.000 χ^2/NDF : 99935728912409

dit_sam7_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam8_coil4_mean vs Slug, Sign Corrected



Right In: 907.442+/-0.000

χ^2/NDF : 2107238007691848638499662178406566461440.0/14

Left Out: 1135.509+/-0.000

χ^2/NDF : 90454761773489591793478678074609369088.0/11

Right Out: -500.689+/-0.000

χ^2/NDF : 2074232918749953174436803426379074895872.0/15

Left In: -1279.995+/-0.000

χ^2/NDF : 67592304703884032028559239448782438400.0/10

Left: -78.814+/-0.000 χ^2/NDF : 2838993659503494

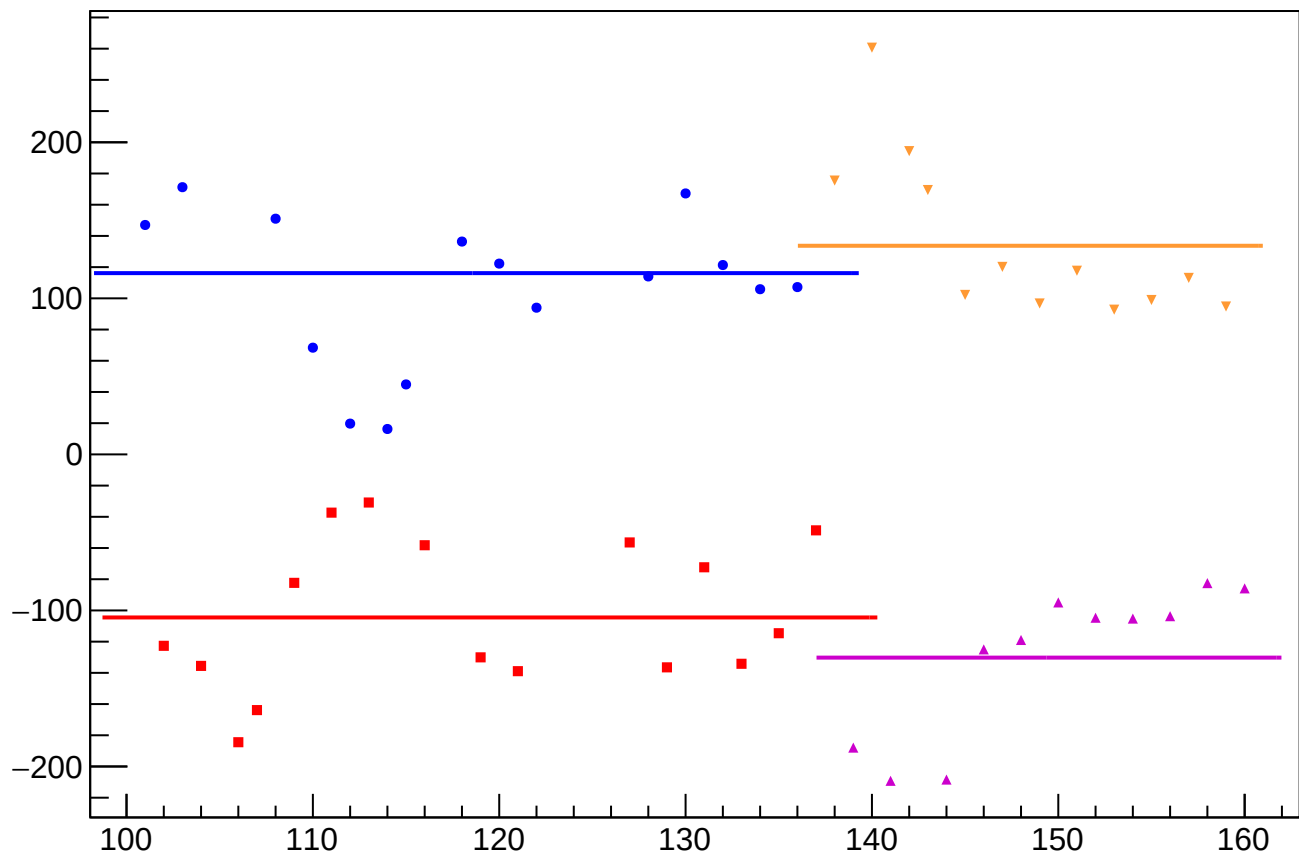
Right: 193.746+/-0.000 χ^2/NDF : 483370034209518

In: -377.486+/-0.000 χ^2/NDF : 3998973168088028

Out: 445.222+/-0.000 χ^2/NDF : 3197001629965650

All: 34.911+/-0.000 χ^2/NDF : 7729666433906

dit_sam8_coil4_err_mean vs Slug, Sign Corrected



Right In: 116.159+/-0.000

χ^2/NDF : 1198526427485199785396504127288115200.0/14

Left Out: 133.695+/-0.000

χ^2/NDF : 2332238004384262852879386446827356160.0/11

Right Out: -104.501+/-0.000

χ^2/NDF : 1285986383644058507445602420764180480.0/15

Left In: -130.237+/-0.000

χ^2/NDF : 1968814259217478663576054483231178752.0/10

Left: 1.011+/-0.000 χ^2/NDF : 363089448385334354

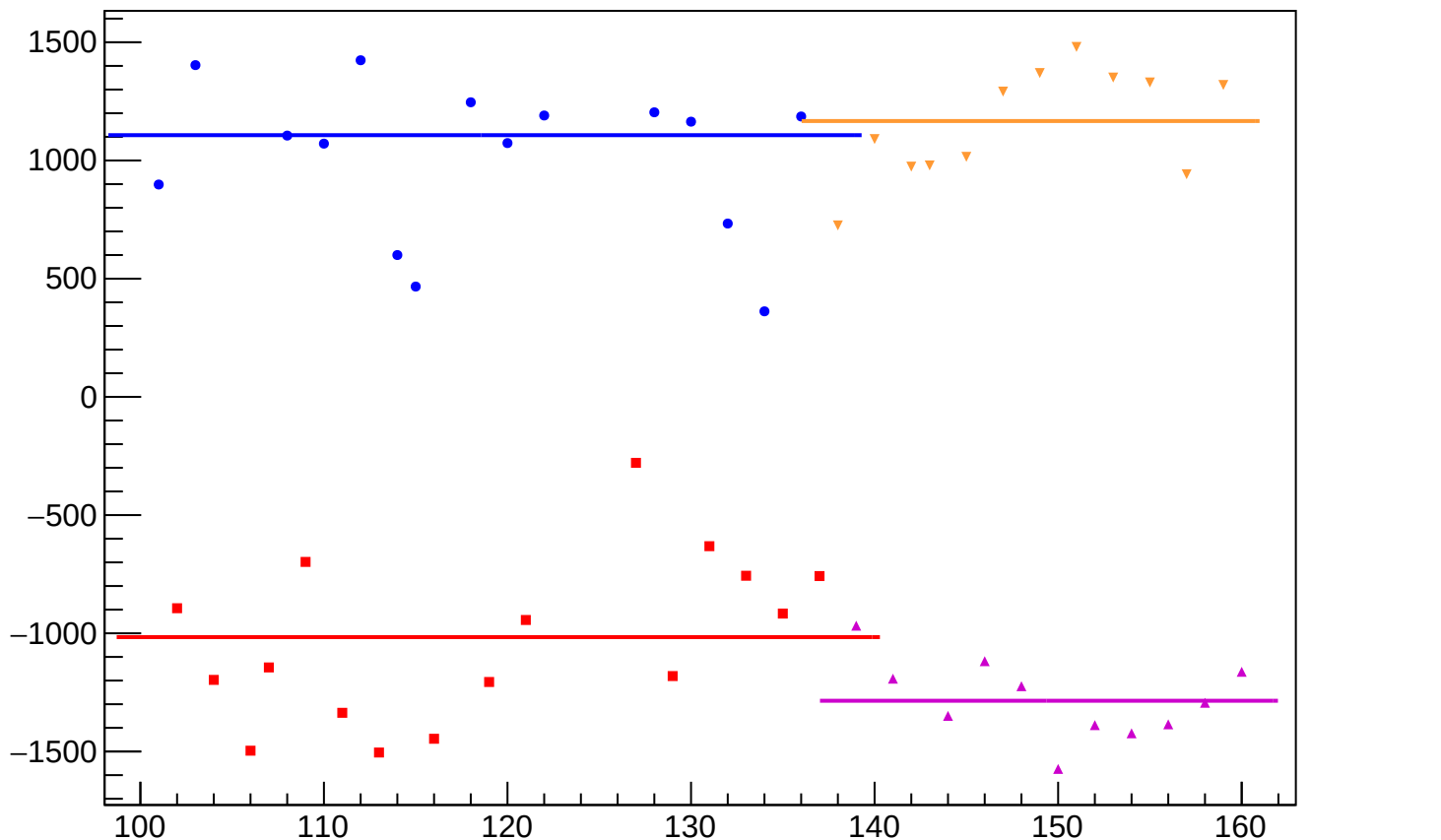
Right: 4.320+/-0.000 χ^2/NDF : 18500756430901072

In: -28.577+/-0.000 χ^2/NDF : 26312198647459661

Out: 33.204+/-0.000 χ^2/NDF : 25496298495933120

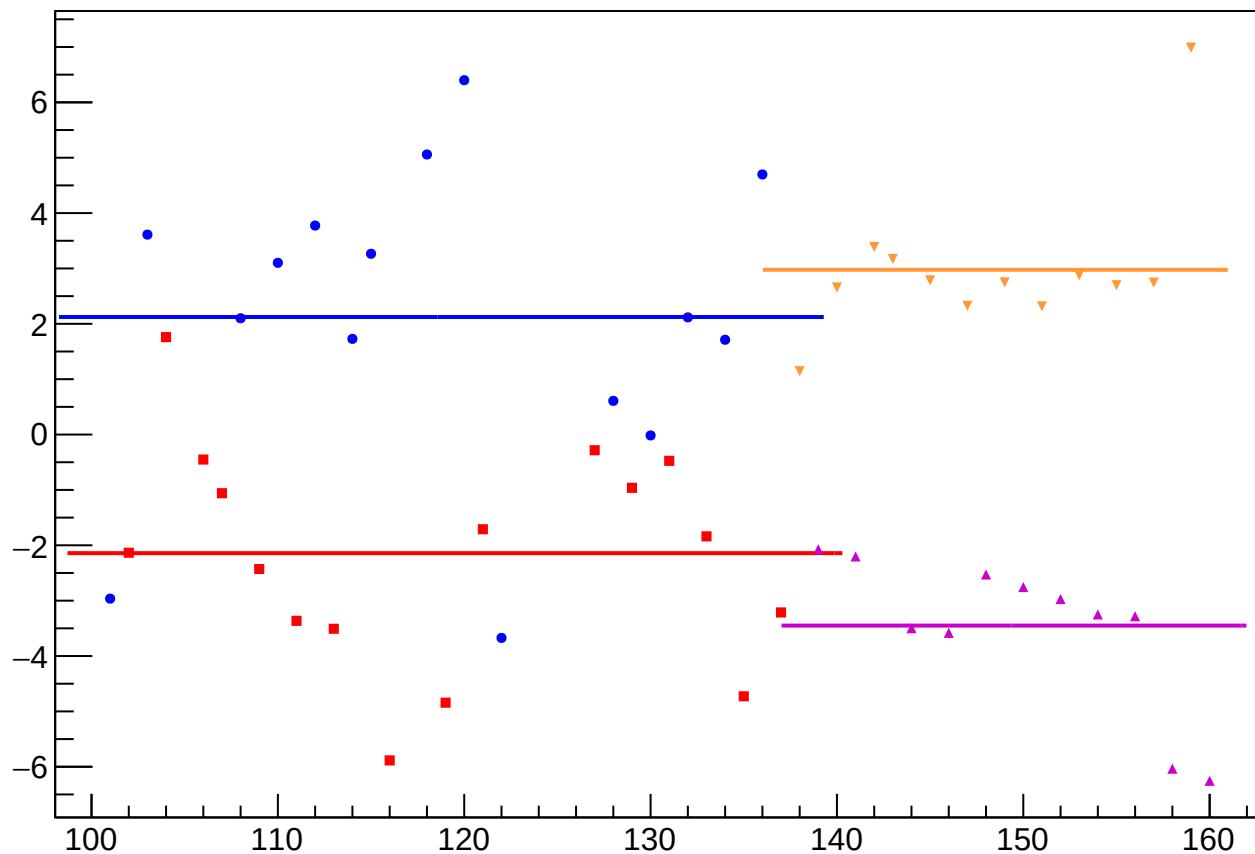
All: 2.392+/-0.000 χ^2/NDF : 54818097492999

dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected



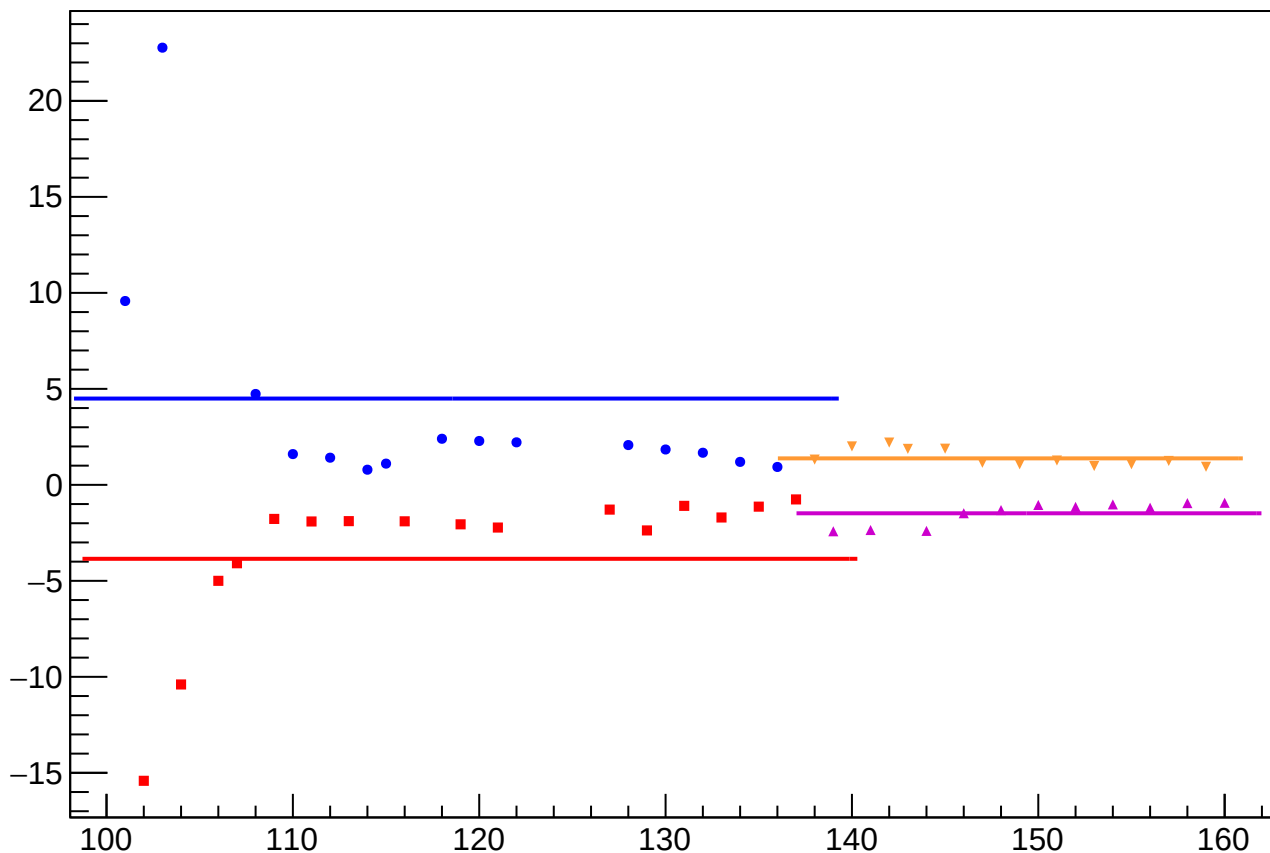
Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 $\pm$ 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 $\pm$ 0.000 χ^2/NDF : 443493791328

dit_4aX_coil6_mean vs Slug, Sign Corrected



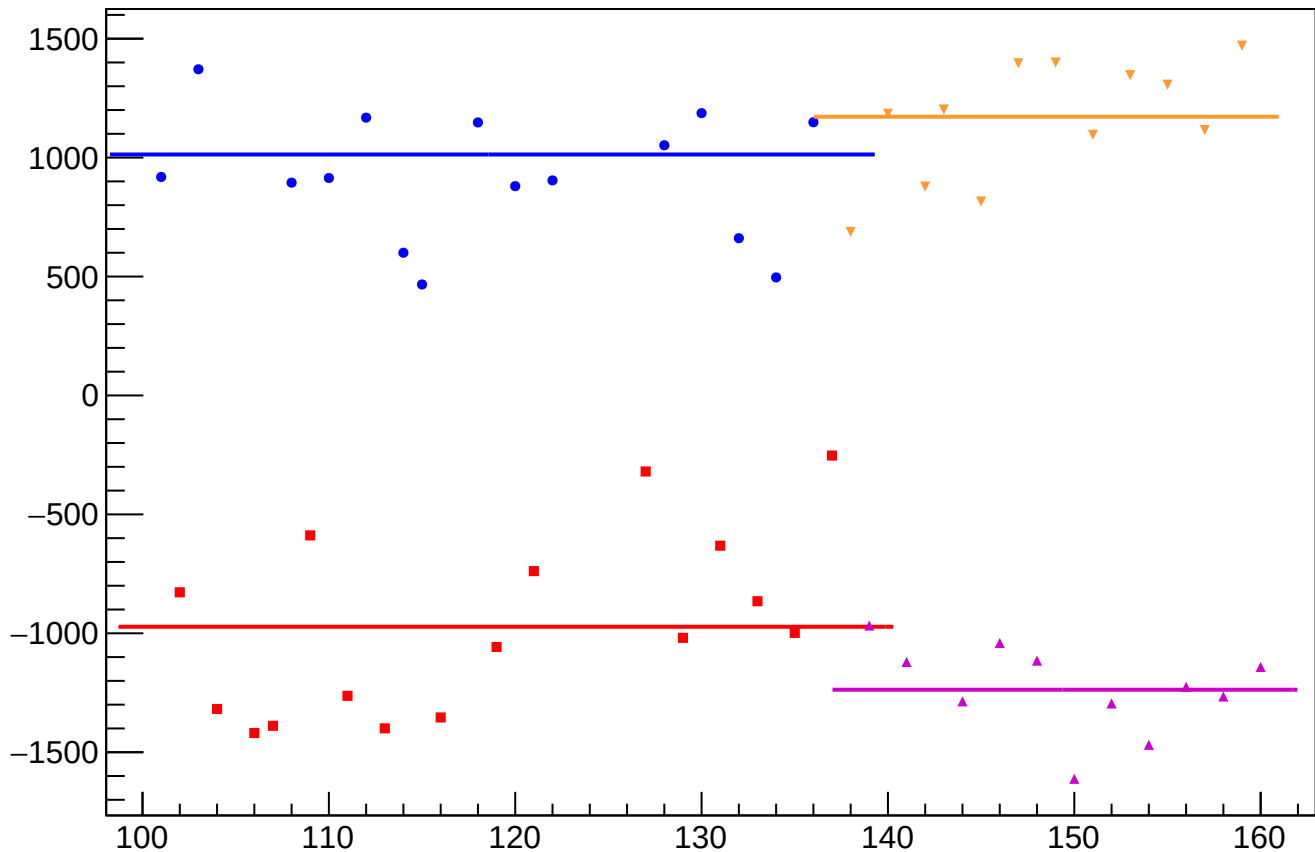
Right In: 2.123 ± 0.000 $\chi^2/\text{NDF}: 5263705922821075971022013849403392.0/14$
 Left Out: 2.975 ± 0.000 $\chi^2/\text{NDF}: 1653073452461549310648226194391040.0/11$
 Right Out: -2.142 ± 0.000 $\chi^2/\text{NDF}: 2472949940993672466161692257026048.0/15$
 Left In: -3.450 ± 0.000 $\chi^2/\text{NDF}: 1551935058842125730993767819771904.0/10$
 All: -0.165 ± 0.000 $\chi^2/\text{NDF}: 3593171973560$

dit_4aX_coil6_err_mean vs Slug, Sign Corrected



Right In: 4.495 ± 0.000 χ^2/NDF : 25270242219816061532329198634401792.0/14
 Left Out: 1.379 ± 0.000 χ^2/NDF : 150384329501224226849656085151744.0/11
 Right Out: -3.852 ± 0.000 χ^2/NDF : 12314971476556806550518847638601728.0/15
 Left In: -1.482 ± 0.000 χ^2/NDF : 310337710475779495774509405831168.0/10
 All: 0.076 ± 0.000 χ^2/NDF : 64807335162416

dit_4aX_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

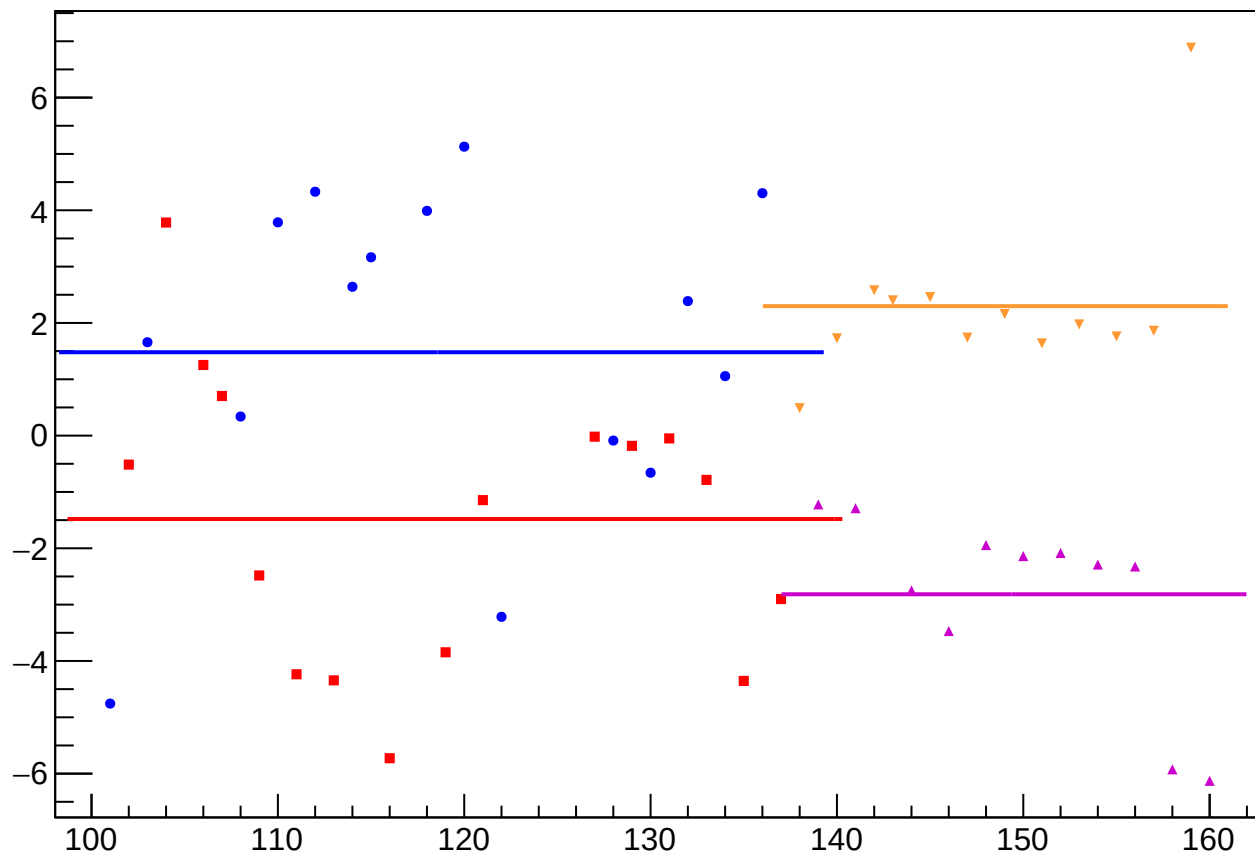
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

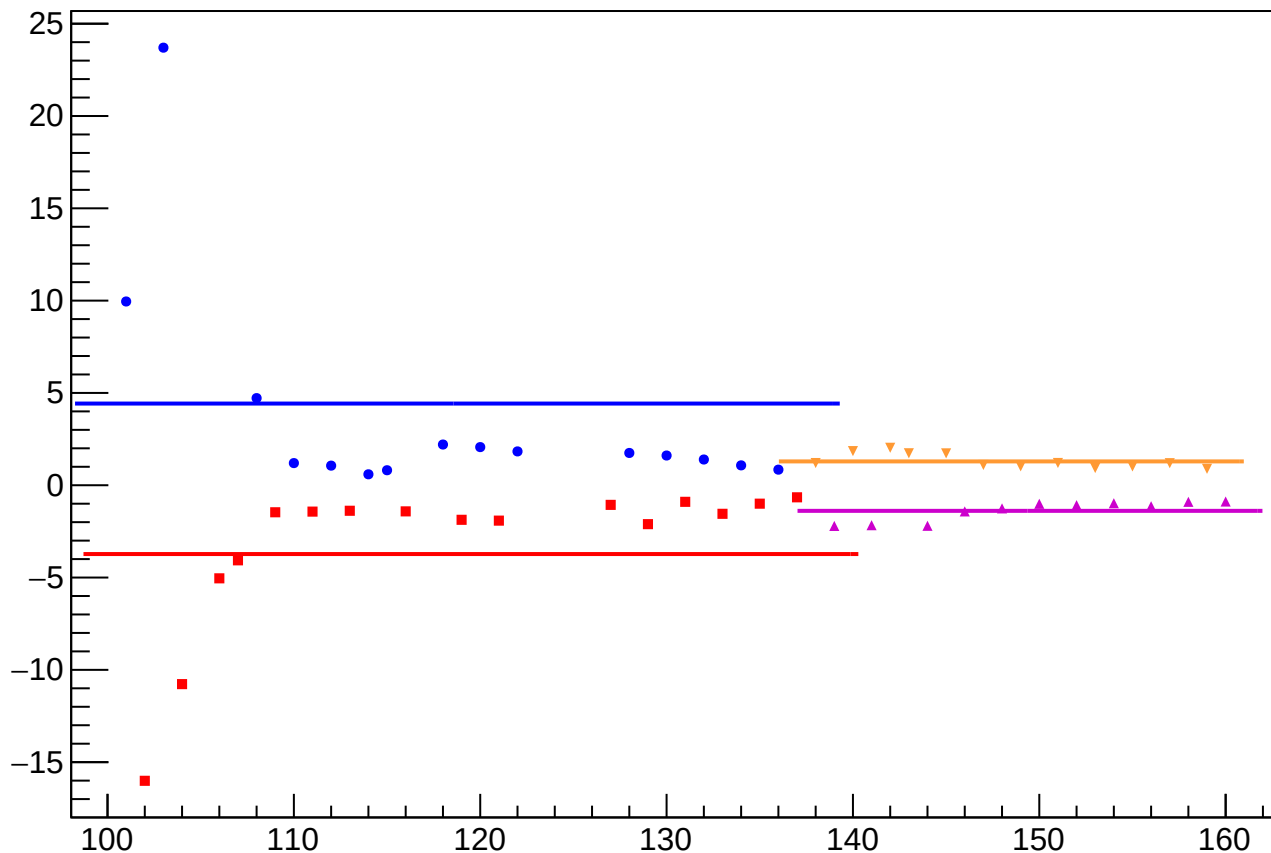
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_4eX_coil6_mean vs Slug, Sign Corrected



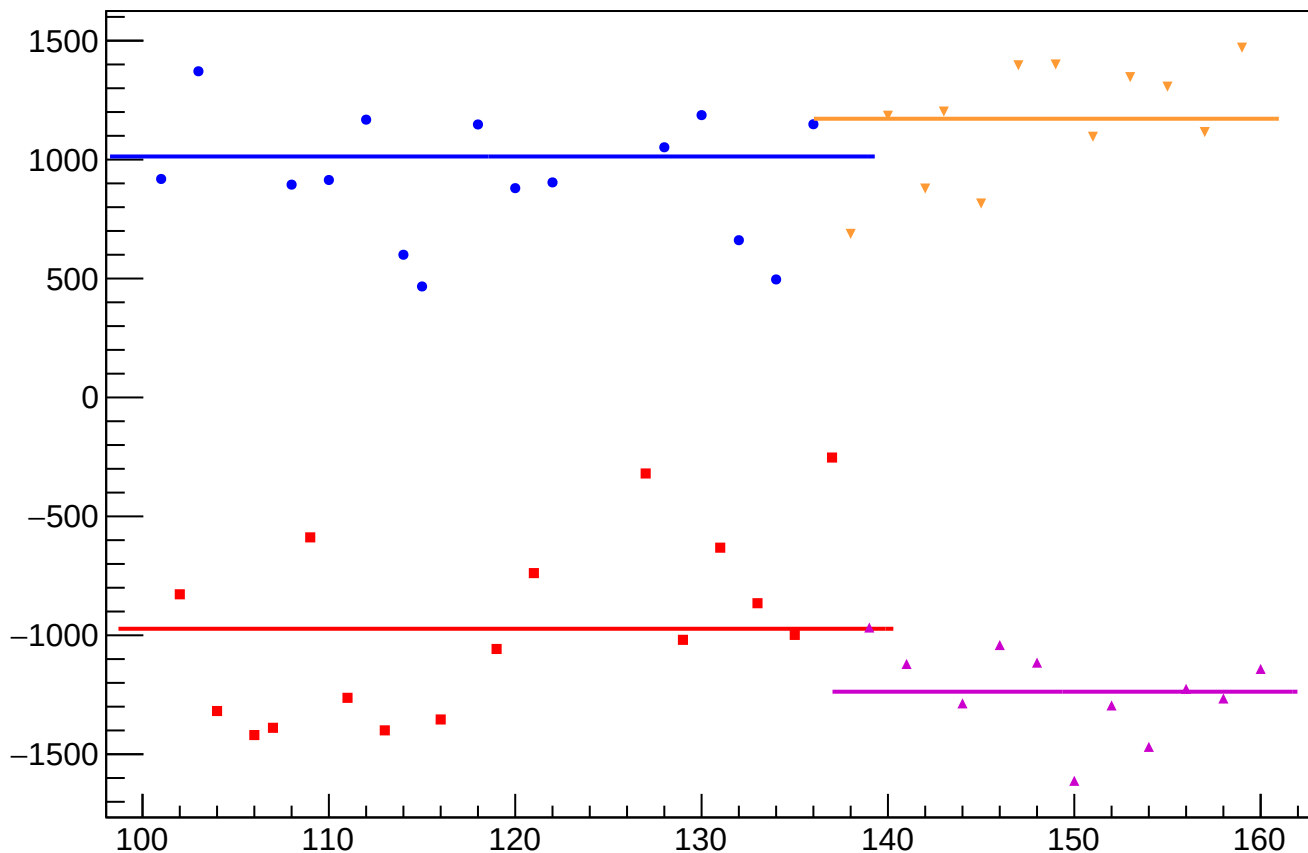
Right In: 1.480+/-0.000 χ^2/NDF : 5799670695902784459055767987683328.0/14
 Left Out: 2.298+/-0.000 χ^2/NDF : 2079870991739780462593334803693568.0/11
 Right Out: -1.480+/-0.000 χ^2/NDF : 4092645800613765572662987820367872.0/15
 Left In: -2.816+/-0.000 χ^2/NDF : 2230790234579581781884760219451392.0/10
 All: -0.168+/-0.000 χ^2/NDF : 2915247501265

dit_4eX_coil6_err_mean vs Slug, Sign Corrected



Right In: 4.424 ± 0.000 χ^2/NDF : 28257459272876210608839830473277440.0/14
 Left Out: 1.291 ± 0.000 χ^2/NDF : 119201725618452190917490324275200.0/11
 Right Out: -3.727 ± 0.000 χ^2/NDF : 13991816814749842519794284853460992.0/15
 Left In: -1.387 ± 0.000 χ^2/NDF : 245381205913734368947829561360384.0/10
 All: 0.090 ± 0.000 χ^2/NDF : 67859501931783

dit_4eX_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

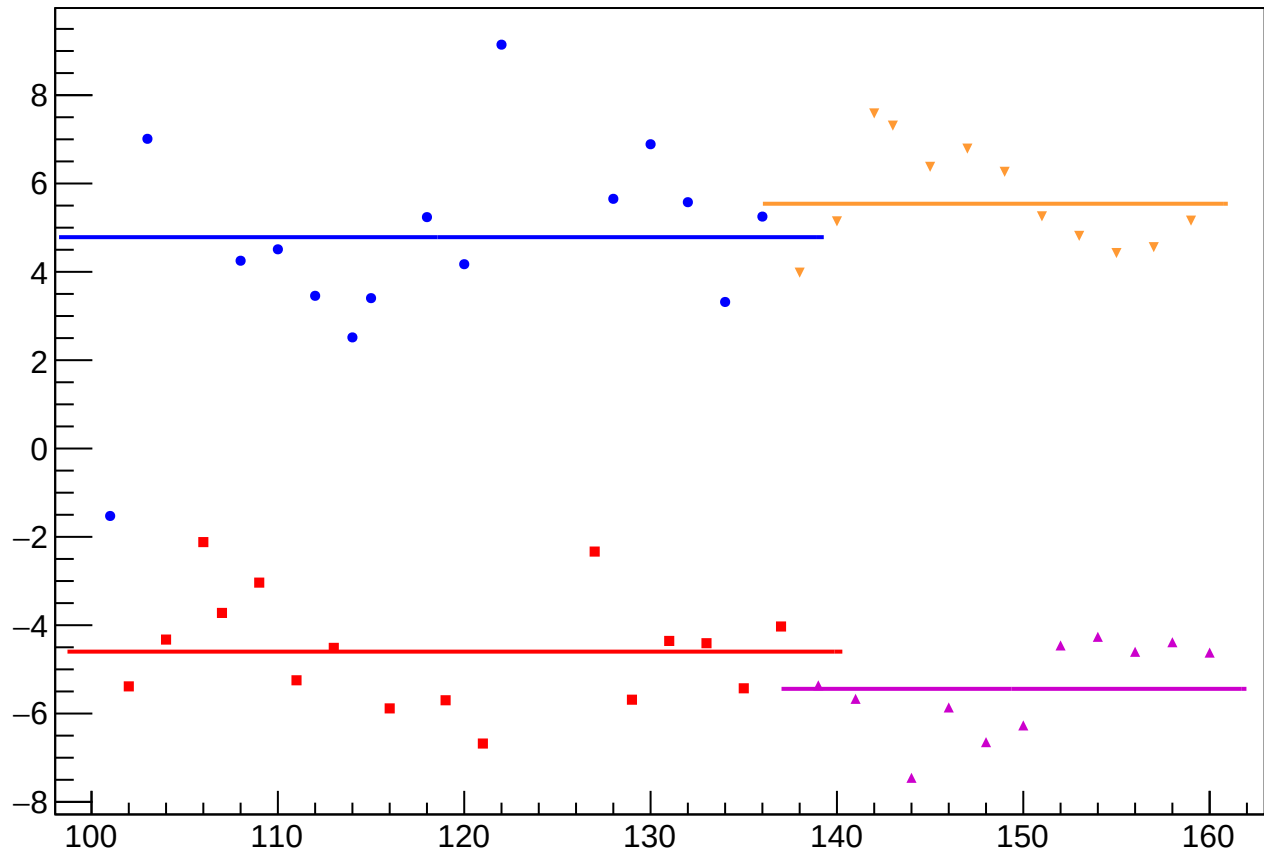
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_11X12X_coil6_mean vs Slug, Sign Corrected



Right In: 4.785 $\pm$ 0.000

χ^2 /NDF: 3996556073154779711808159470321664.0/14

Left Out: 5.542 $\pm$ 0.000

χ^2 /NDF: 1063589592141187742244511087067136.0/11

Right Out: -4.598 $\pm$ 0.000

χ^2 /NDF: 989607156792948633247632779640832.0/15

Left In: -5.441 $\pm$ 0.000

χ^2 /NDF: 969147874620390855399339032838144.0/10

Left: 0.021 $\pm$ 0.000 χ^2 /NDF: 574569475069085613

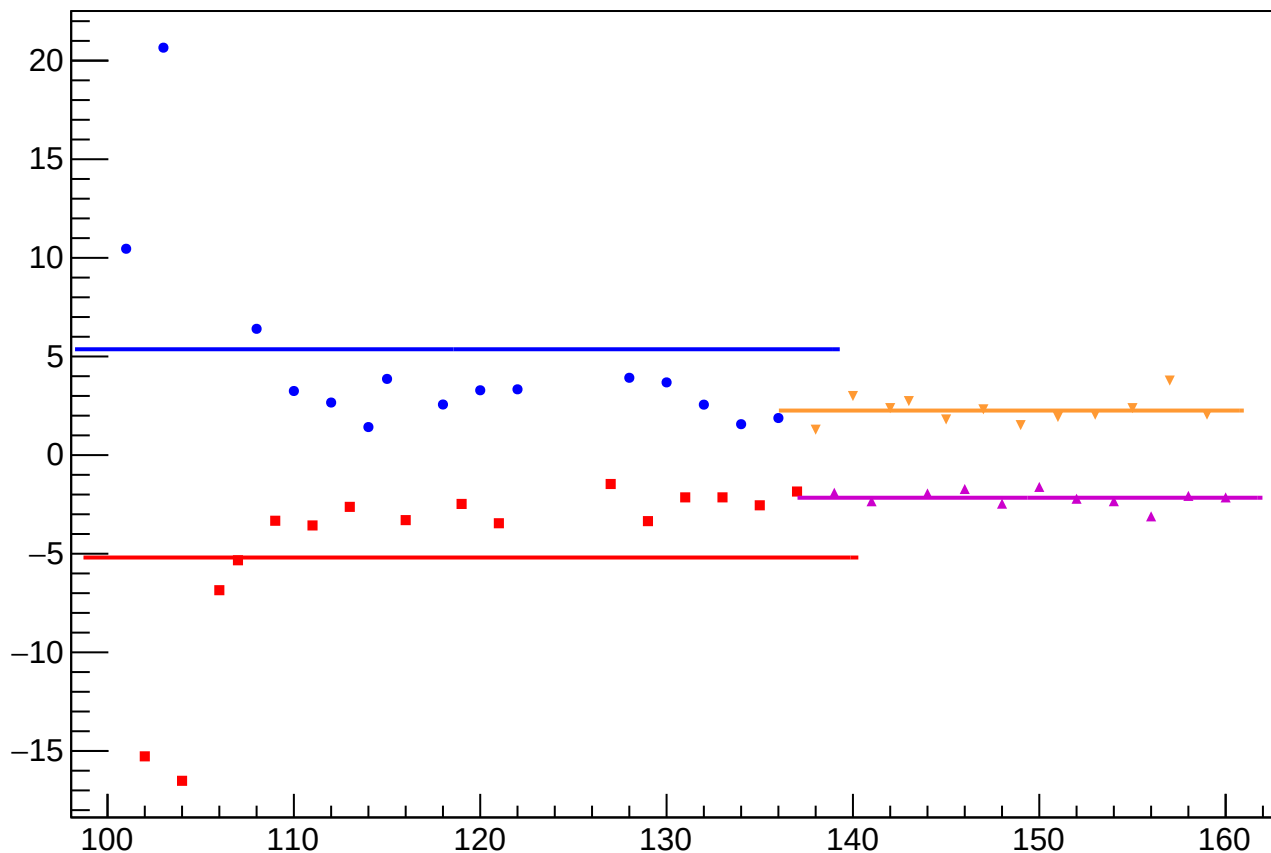
Right: 0.029 $\pm$ 0.000 χ^2 /NDF: 33948566568426742

In: -1.222 $\pm$ 0.000 χ^2 /NDF: 448312824685683470

Out: 1.264 $\pm$ 0.000 χ^2 /NDF: 417024451094656984

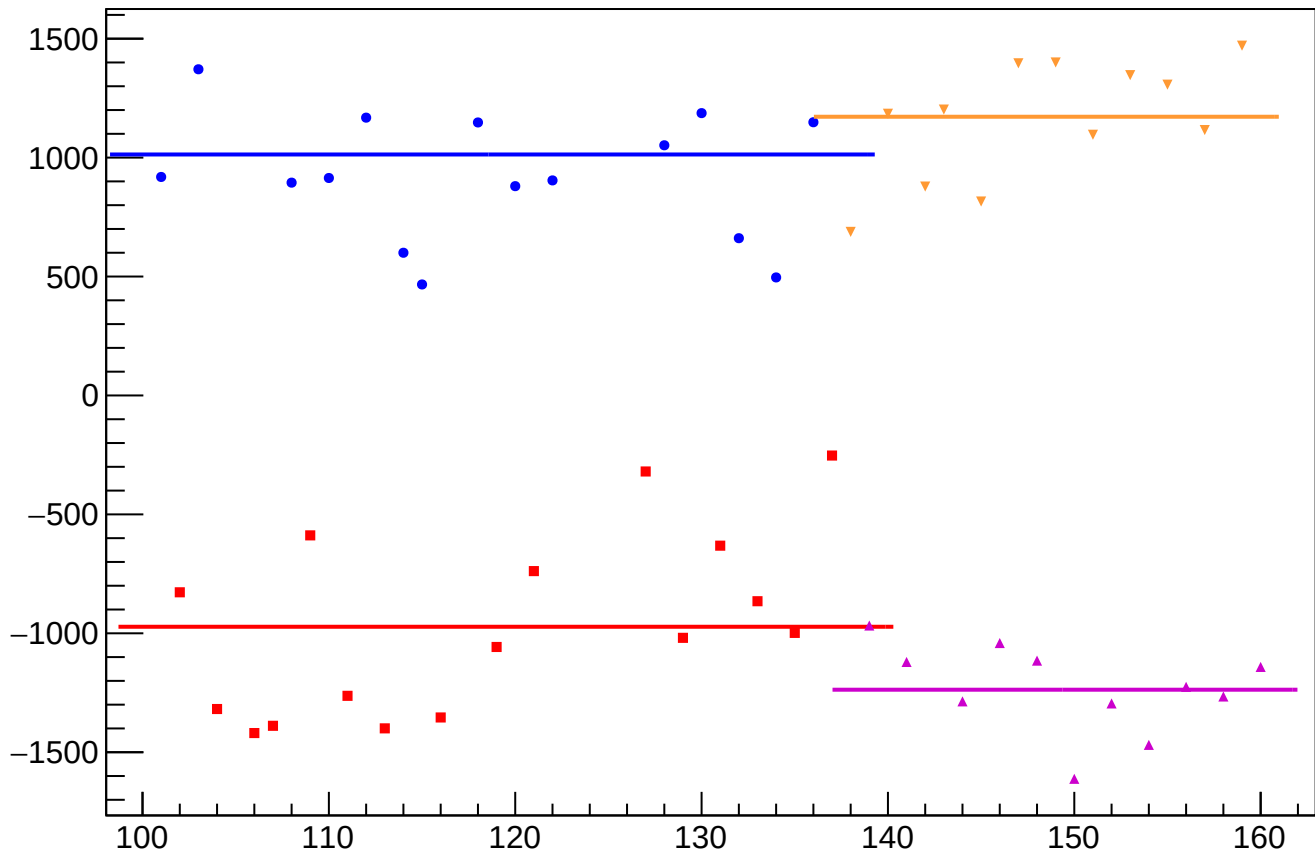
All: 0.024 $\pm$ 0.000 χ^2 /NDF: 91405570612349

dit_11X12X_coil6_err_mean vs Slug, Sign Corrected



Right In: 5.366 $\pm$ 0.000 χ^2 /NDF: 18780724722063497096153009301225472.0/14
 Left Out: 2.259 $\pm$ 0.000 χ^2 /NDF: 395399614951959116127821516242944.0/11
 Right Out: -5.192 $\pm$ 0.000 χ^2 /NDF: 15749573754945345754432436952891392.0/15
 Left In: -2.162 $\pm$ 0.000 χ^2 /NDF: 138367938839103248546751049629696.0/10
 All: 0.027 $\pm$ 0.000 χ^2 /NDF: 80711946071260

dit_11X12X_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

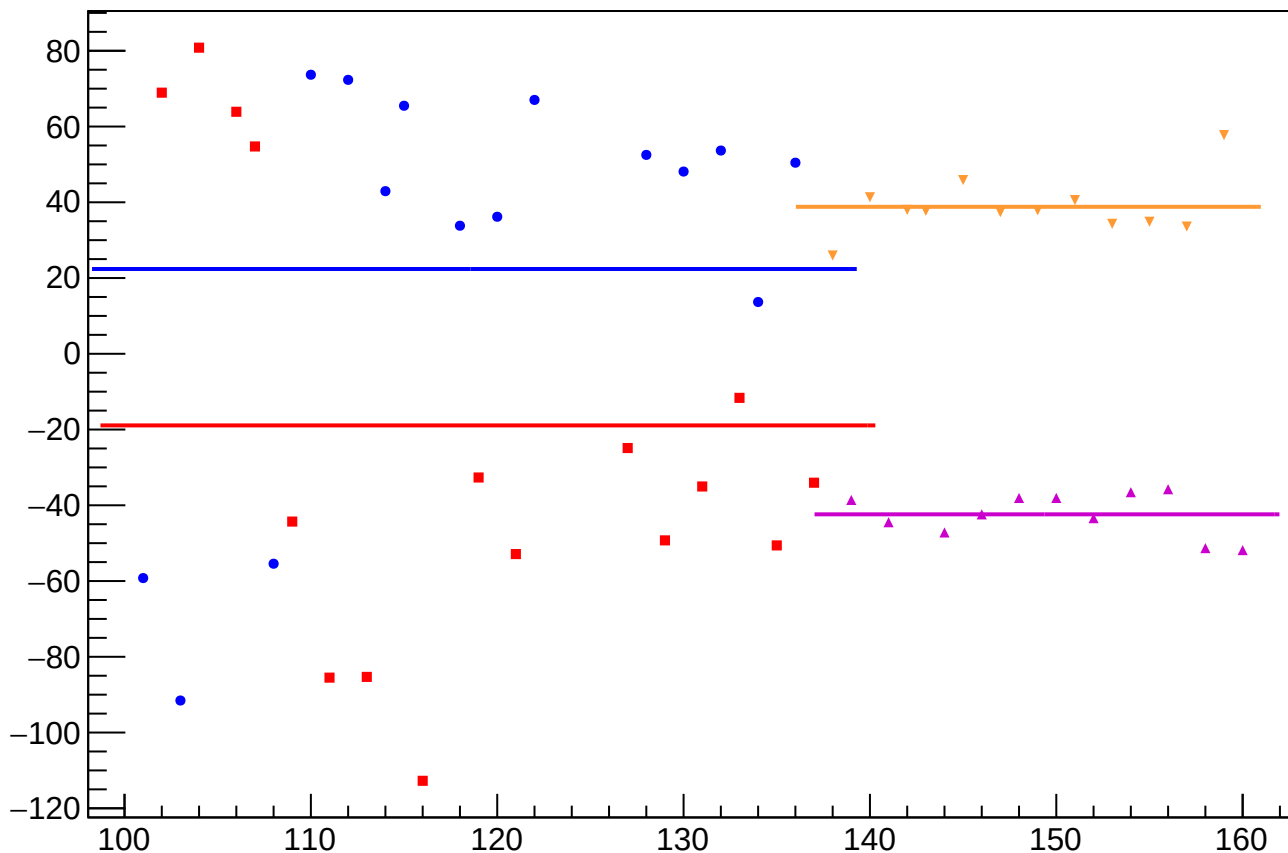
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_4aY_coil6_mean vs Slug, Sign Corrected



Right In: 22.385 $\pm$ 0.000

χ^2/NDF : 1922260860023592637794094183323009024.0/14

Left Out: 38.806 $\pm$ 0.000

χ^2/NDF : 51649905292188588204172531766132736.0/11

Right Out: -18.907 $\pm$ 0.000

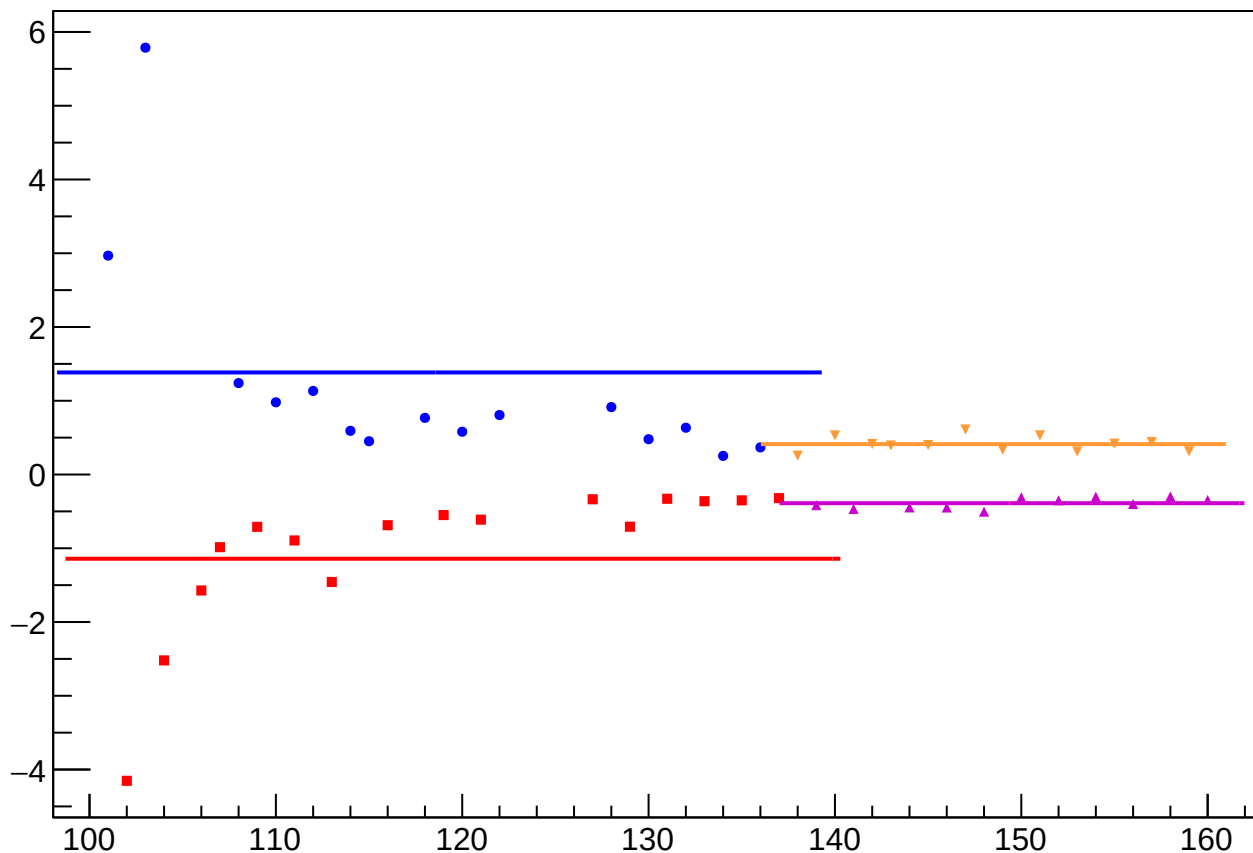
χ^2/NDF : 2182221808408156293593993992757837824.0/15

Left In: -42.386 $\pm$ 0.000

χ^2/NDF : 26555660128562986553016927486214144.0/10

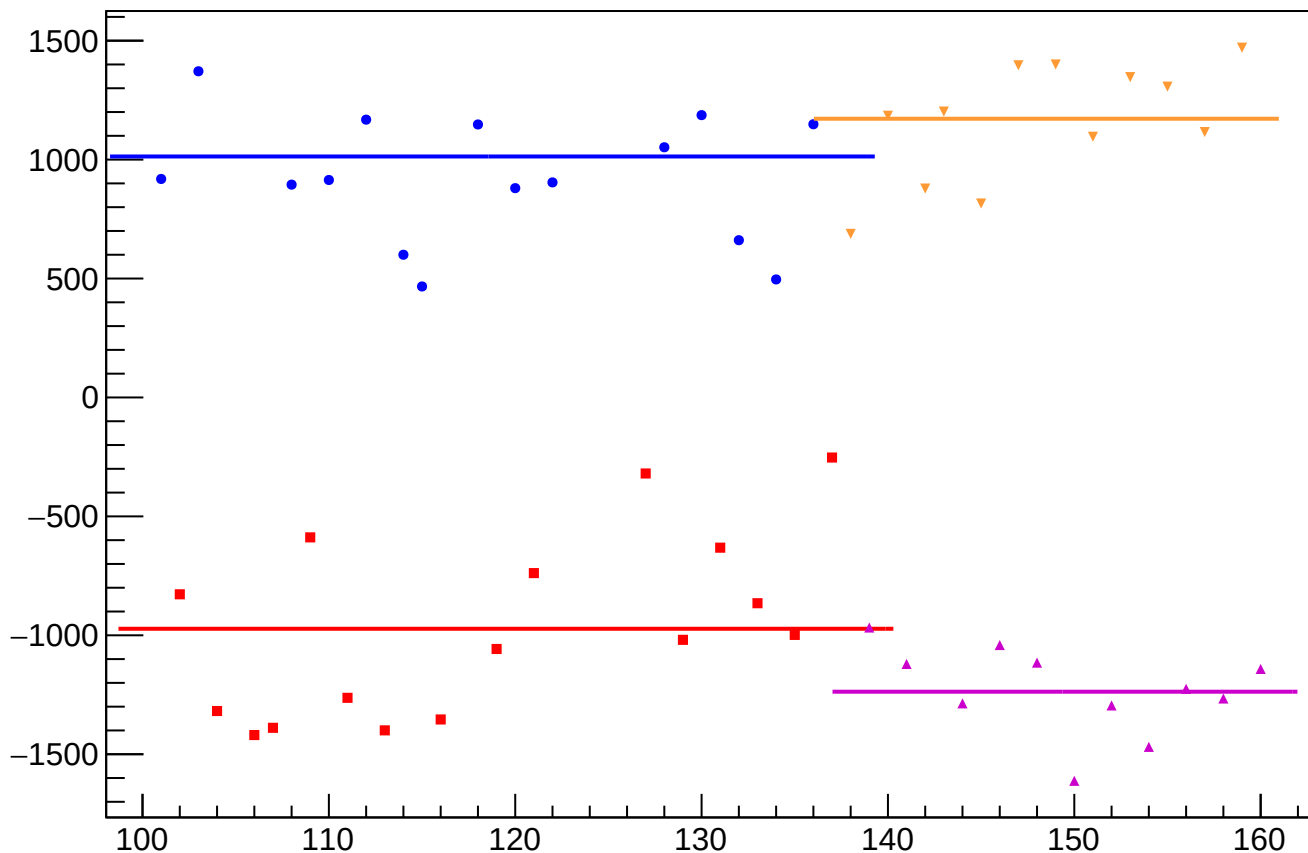
All: -0.564 $\pm$ 0.000 χ^2/NDF : 7781760585963

dit_4aY_coil6_err_mean vs Slug, Sign Corrected



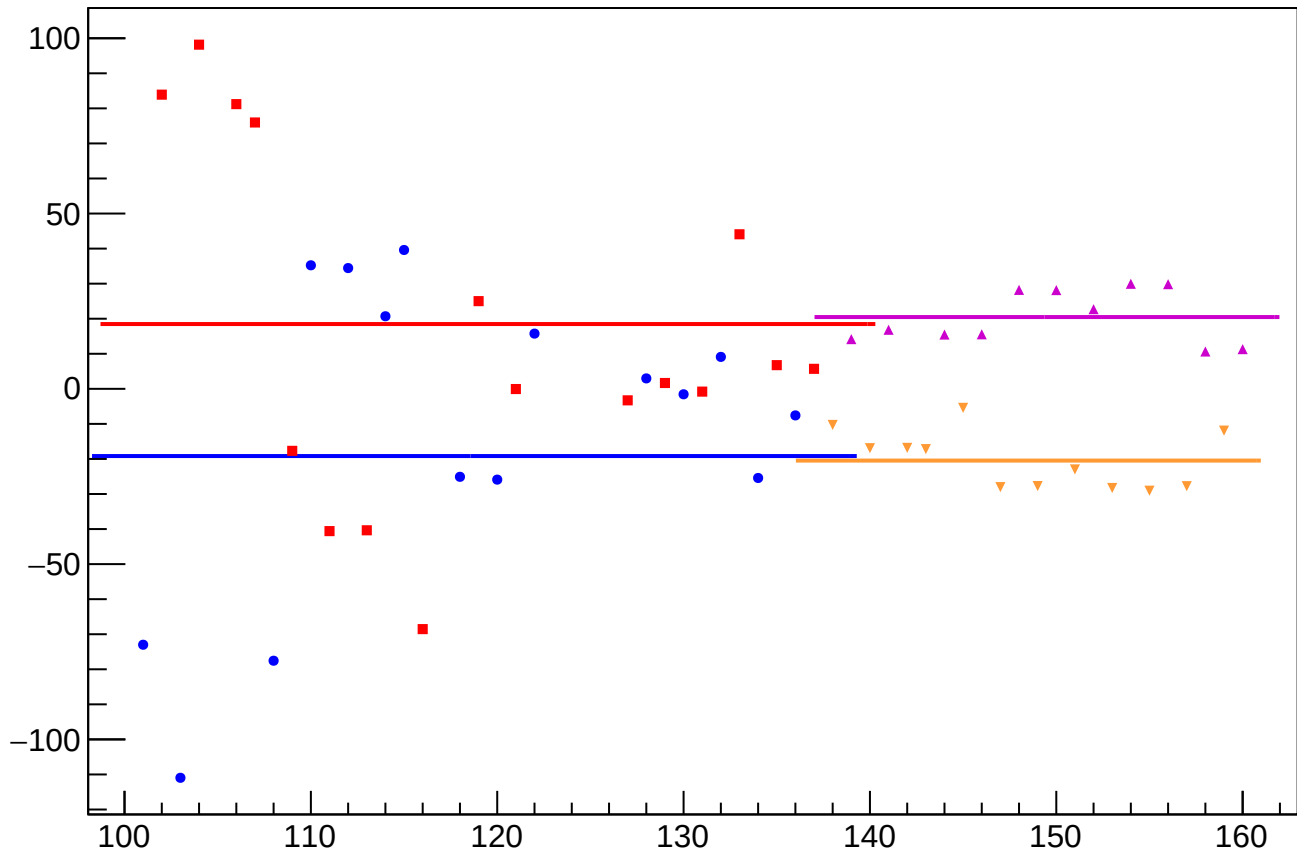
Right In: 1.384 +/- 0.000 χ^2/NDF : 1571159324102064120487940936695808.0/14
 Left Out: 0.412 +/- 0.000 χ^2/NDF : 9382414275472018674983467220992.0/11
 Right Out: -1.142 +/- 0.000 χ^2/NDF : 810680738285448955223066212827136.0/15
 Left In: -0.389 +/- 0.000 χ^2/NDF : 4468112130112640641394154668032.0/10
 All: 0.049 +/- 0.000 χ^2/NDF : 47956046375431.0/10

dit_4aY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_4eY_coil6_mean vs Slug, Sign Corrected



Right In: -19.175 ± 0.000

Left Out: -20.466 ± 0.000

Right Out: 18.479 ± 0.000

Left In: 20.473 ± 0.000

χ^2/NDF : 1246364705689764961102868160463241216.0/14

χ^2/NDF : 58628381923673457294433589512896512.0/11

χ^2/NDF : 1489398115046175180640331393369374720.0/15

χ^2/NDF : 48484953363349820110348478937300992.0/10

Left: 0.115 ± 0.000 χ^2/NDF : 877202582639736103

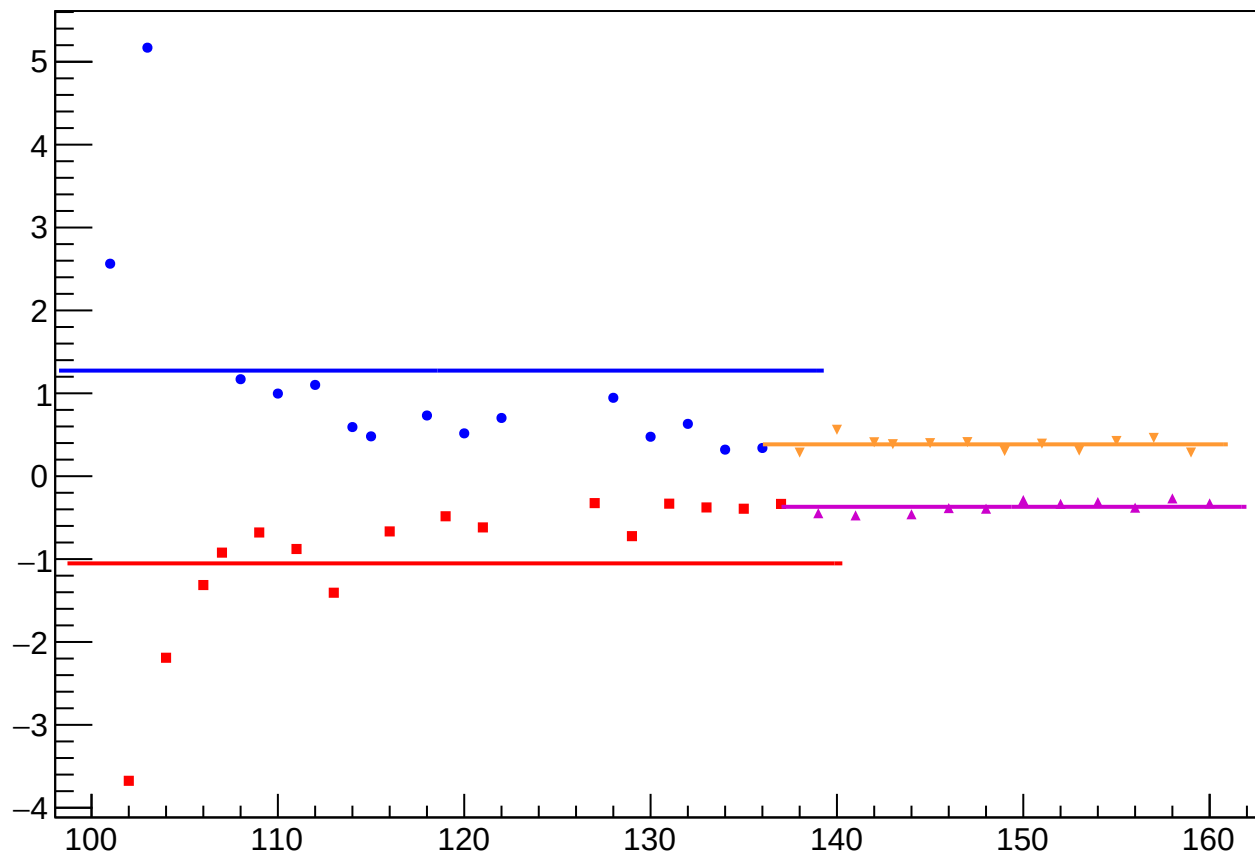
Right: -0.091 ± 0.000 χ^2/NDF : 3202145485356183

In: 4.115 ± 0.000 χ^2/NDF : 1894138593068178389

Out: -4.035 ± 0.000 χ^2/NDF : 21328659955407988

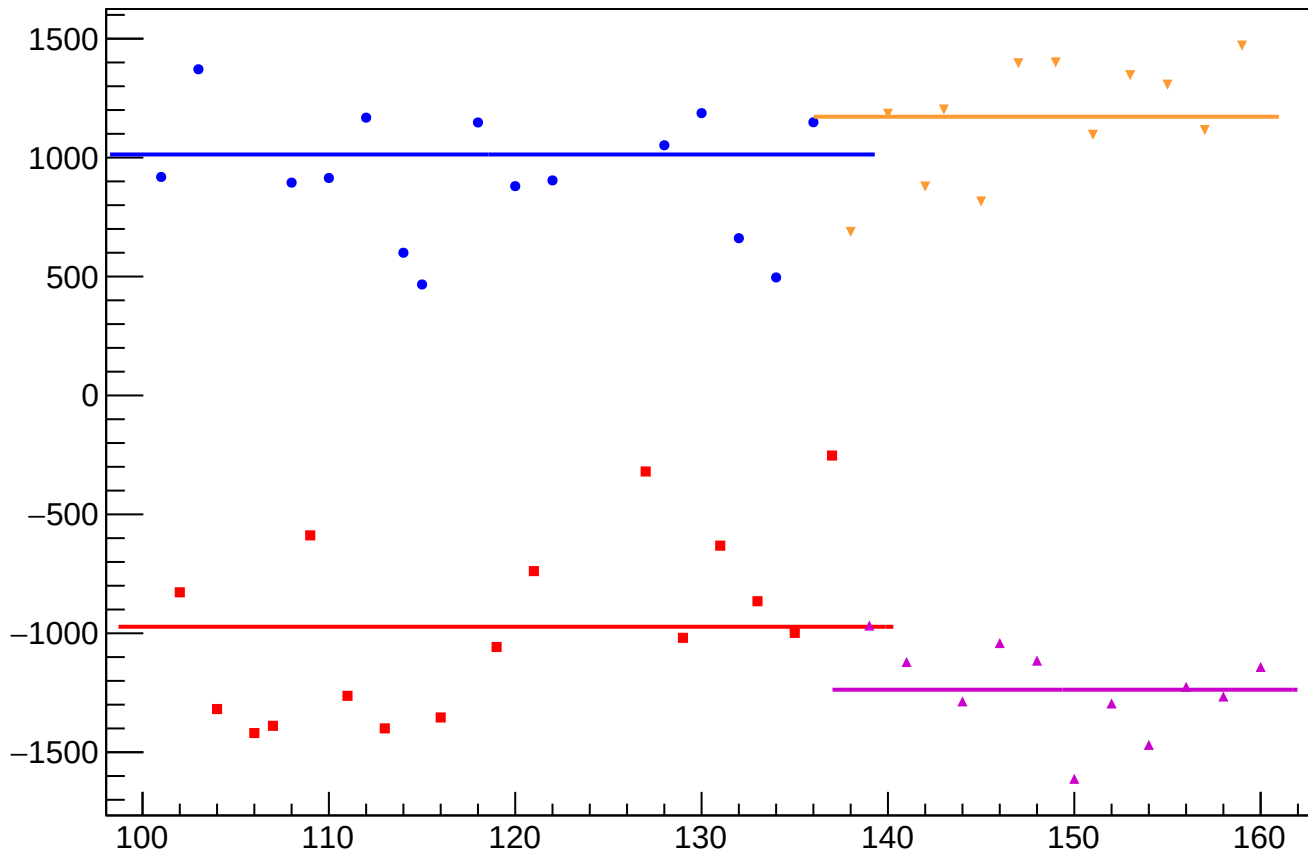
All: 0.029 ± 0.000 χ^2/NDF : 40793804983027

dit_4eY_coil6_err_mean vs Slug, Sign Corrected



Right In: 1.274+/-0.000 χ^2/NDF : 1212041476631073599154045304438784.0/14
 Left Out: 0.384+/-0.000 χ^2/NDF : 5822322029078598268260129439744.0/11
 Right Out: -1.052+/-0.000 χ^2/NDF : 607316121057753919194559126962176.0/15
 Left In: -0.369+/-0.000 χ^2/NDF : 4166350638848138676707816112128.0/10
 All: 0.043+/-0.000 χ^2/NDF : 38758828381997

dit_4eY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

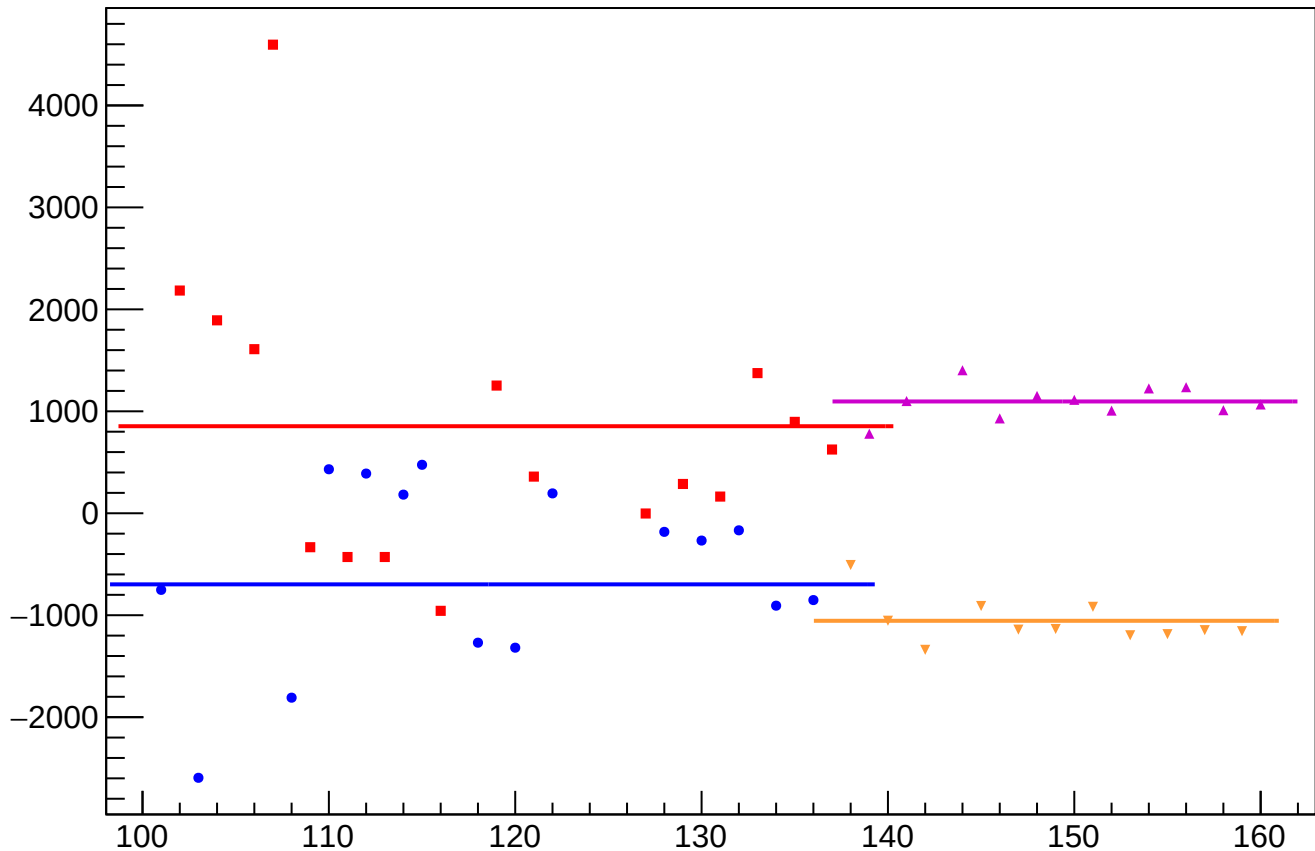
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_usl_coil6_mean vs Slug, Sign Corrected



Right In: -697.283+/-0.000

χ^2/NDF : 490435790698133828475769692944364208128.0/14

Left Out: -1054.675+/-0.000

χ^2/NDF : 35893414561751289831028004535805149184.0/10

Right Out: 853.734+/-0.000

χ^2/NDF : 1078379020126412317155932275156201766912.0/15

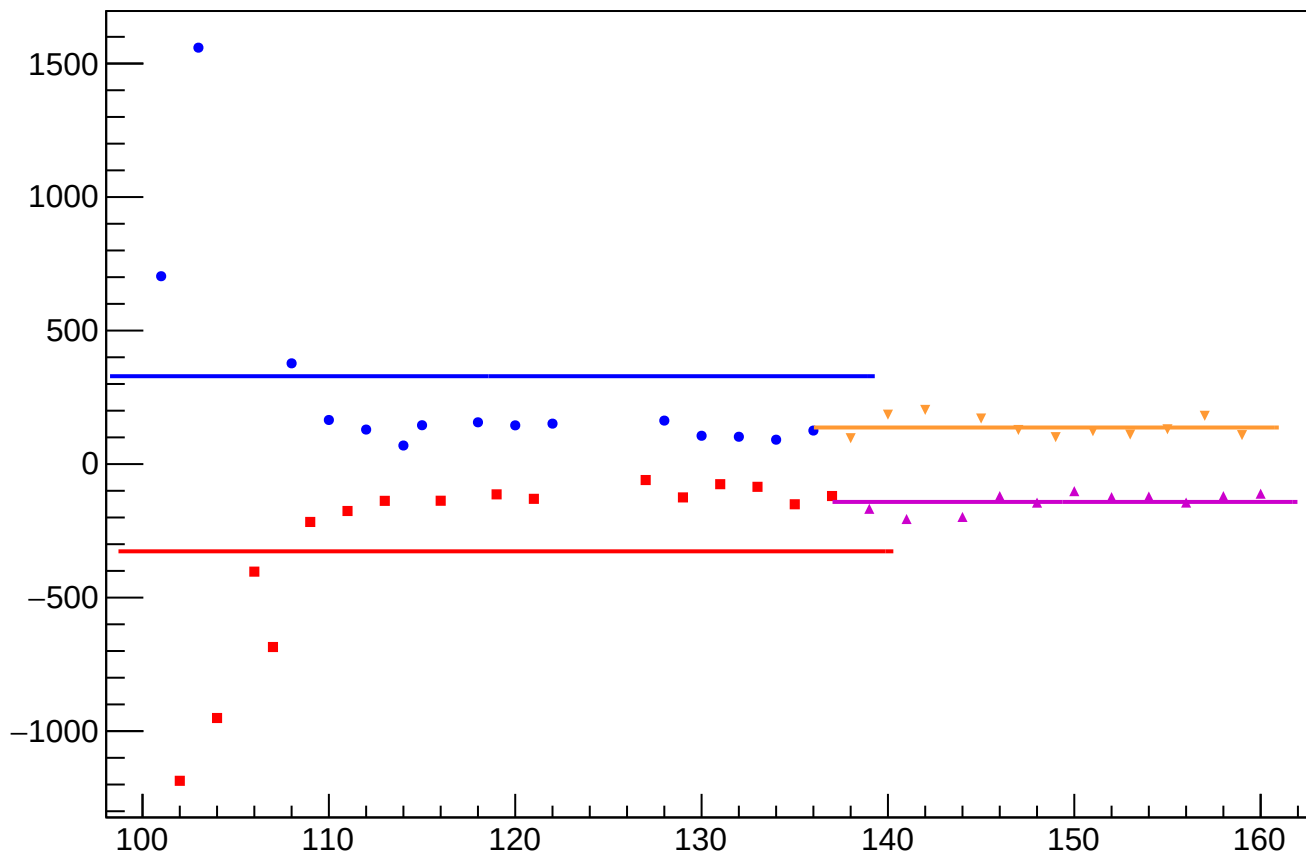
Left In: 1096.508+/-0.000

χ^2/NDF : 23397092464085092375008014674557927424.0/10

All: 76.698+/-0.000

χ^2/NDF : 4464746513505

dit_usl_coil6_err_mean vs Slug, Sign Corrected



Right In: 329.108 +/- 0.000

χ^2/NDF : 116863820700538623524207945698672377856.0/14

Left Out: 137.012 +/- 0.000

χ^2/NDF : 1014362817438194132709655172622581760.0/10

Right Out: -326.695 +/- 0.000

χ^2/NDF : 87569123354318020688611028415151079424.0/15

Left In: -141.688 +/- 0.000

χ^2/NDF : 1044882408057849194081424130600599552.0/10

Left: -8.396 +/- 0.000 χ^2/NDF : 36384355238386043

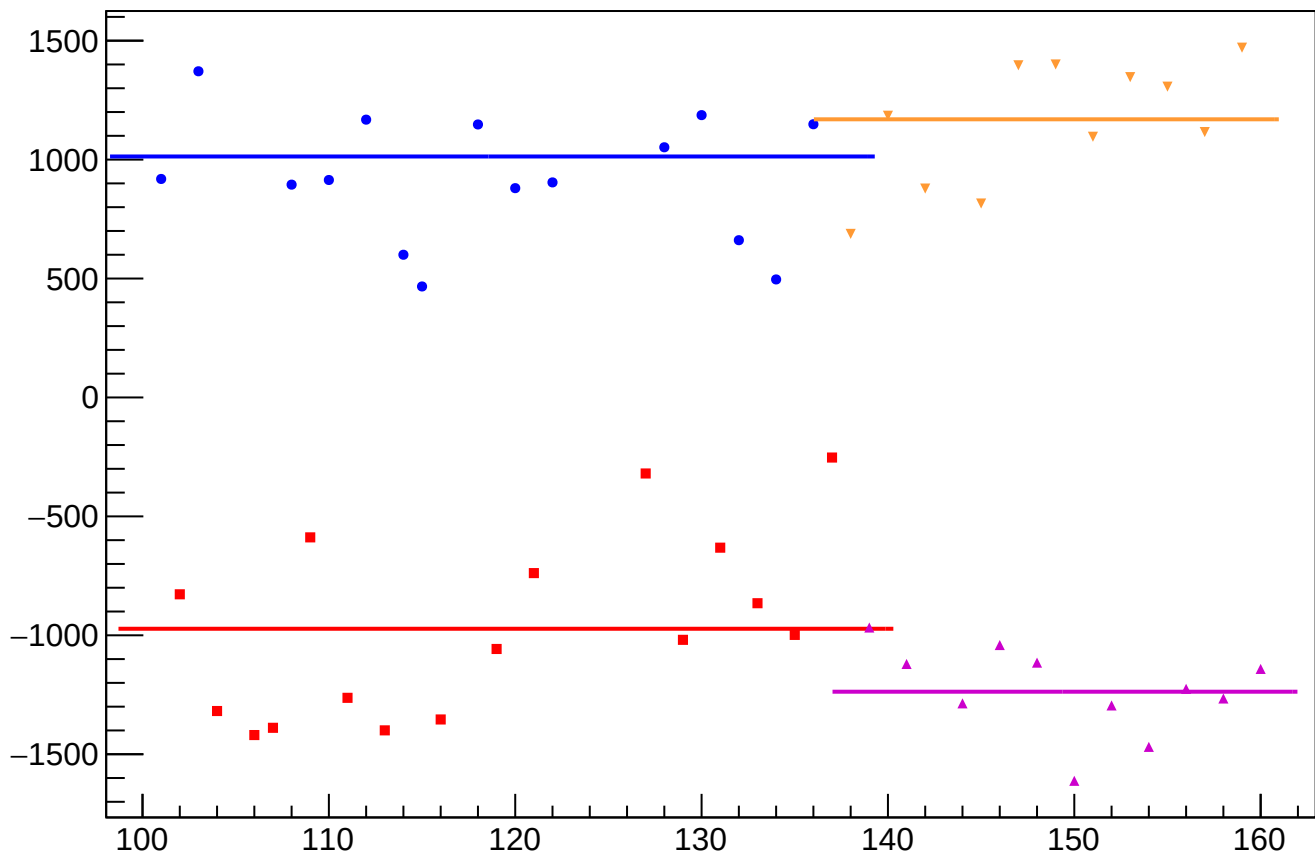
Right: -3.278 +/- 0.000 χ^2/NDF : 3459018192319126

In: 52.557 +/- 0.000 χ^2/NDF : 202408036379918354

Out: -67.276 +/- 0.000 χ^2/NDF : 1688197715864031

All: -6.215 +/- 0.000 χ^2/NDF : 3823059515642

dit_usl_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1169.420+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52359058528484212152975817930553950208.0/10

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -86.182+/-0.000 χ^2/NDF : 2642058453366472

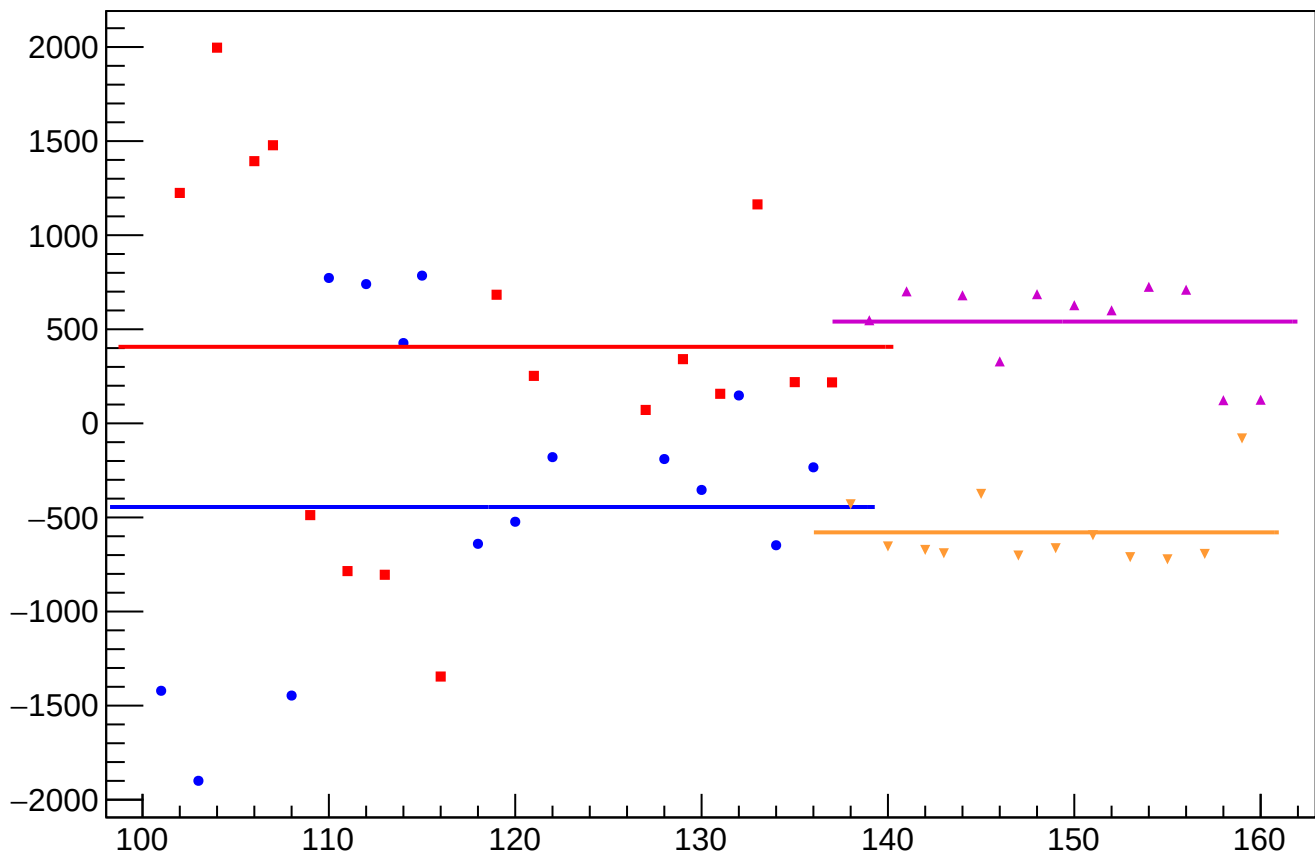
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 225.803+/-0.000 χ^2/NDF : 1843132897386969

All: -46.560+/-0.000 χ^2/NDF : 405607578172

dit_usr_coil6_mean vs Slug, Sign Corrected



Right In: -444.512+/-0.000

χ^2/NDF : 396481903501593703066535851229953654784.0/14

Left: -16.168+/-0.000 χ^2/NDF : 6517518654293770

Right: -13.070+/-0.000 χ^2/NDF : 116395703795034

Left Out: -579.272+/-0.000

χ^2/NDF : 32584581524528860941595597407042666496.0/11

In: 134.297+/-0.000 χ^2/NDF : 80929743970512617

Right Out: 406.729+/-0.000

χ^2/NDF : 529122421866774810012941782239129108480.0/15

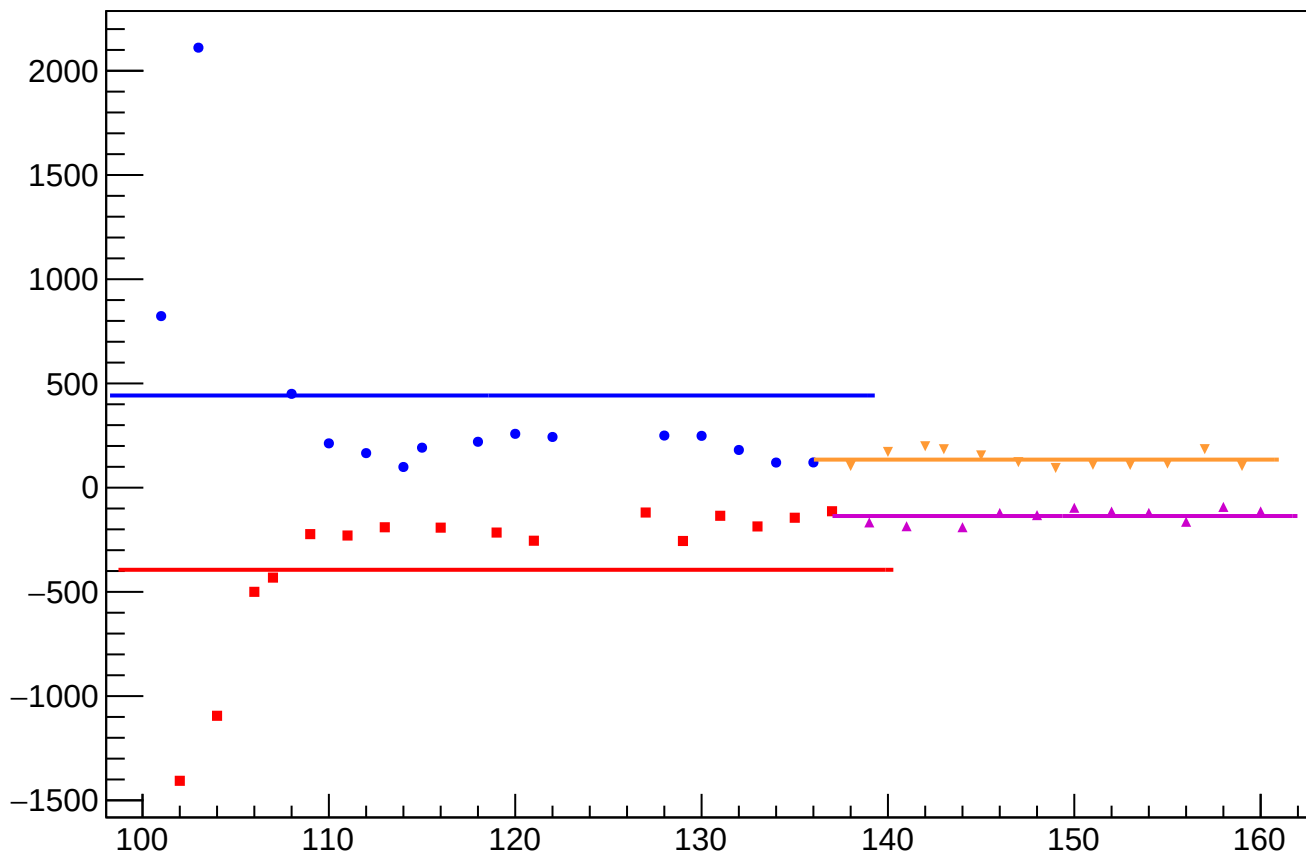
Out: -163.293+/-0.000 χ^2/NDF : 936589740364006

Left In: 540.842+/-0.000

χ^2/NDF : 42670193317497817911030367466366697472.0/10

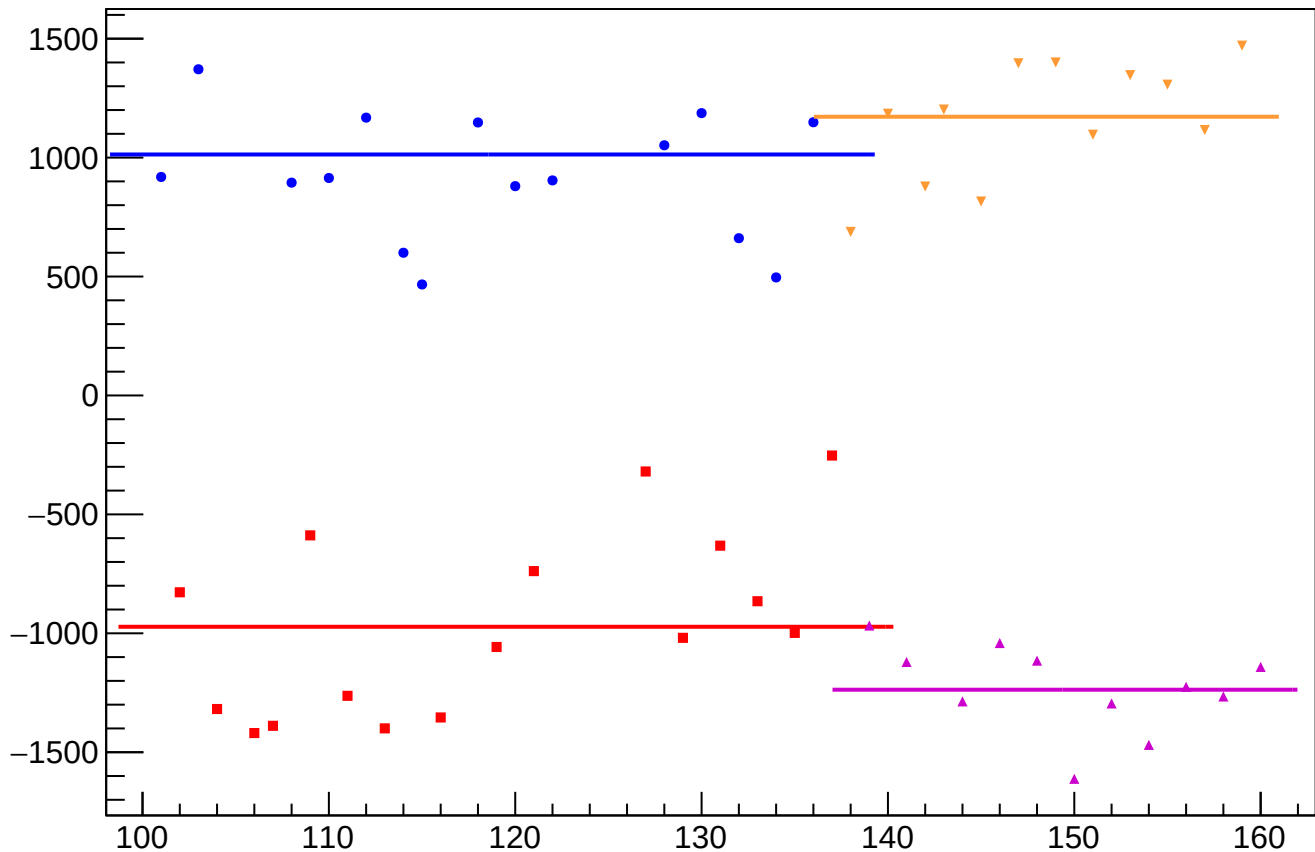
All: -14.875+/-0.000 χ^2/NDF : 181571626575

dit_usr_coil6_err_mean vs Slug, Sign Corrected



Right In: 442.162 $\pm$ 0.000 χ^2 /NDF: 204015999343694089140945697316947361792.0/14
 Left Out: 134.562 $\pm$ 0.000 χ^2 /NDF: 1123122265403287497024317633834516480.0/11
 Right Out: -394.033 $\pm$ 0.000 χ^2 /NDF: 105882611624182009489804426207740035072.0/15
 Left In: -136.040 $\pm$ 0.000 χ^2 /NDF: 1011093061479650527261127450495549440.0/10
 All: 6.795 $\pm$ 0.000 χ^2 /NDF: 57598156309211

dit_usr_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

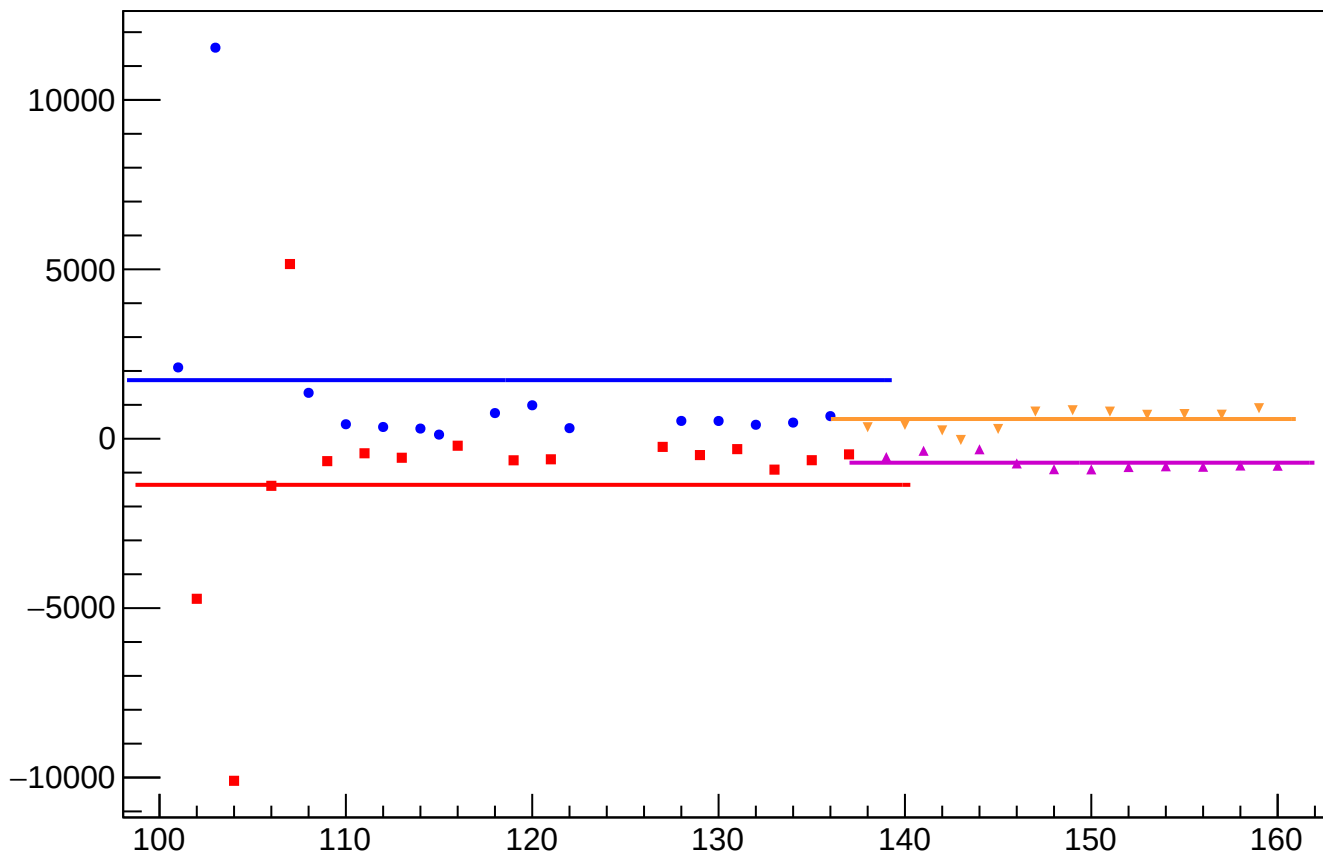
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

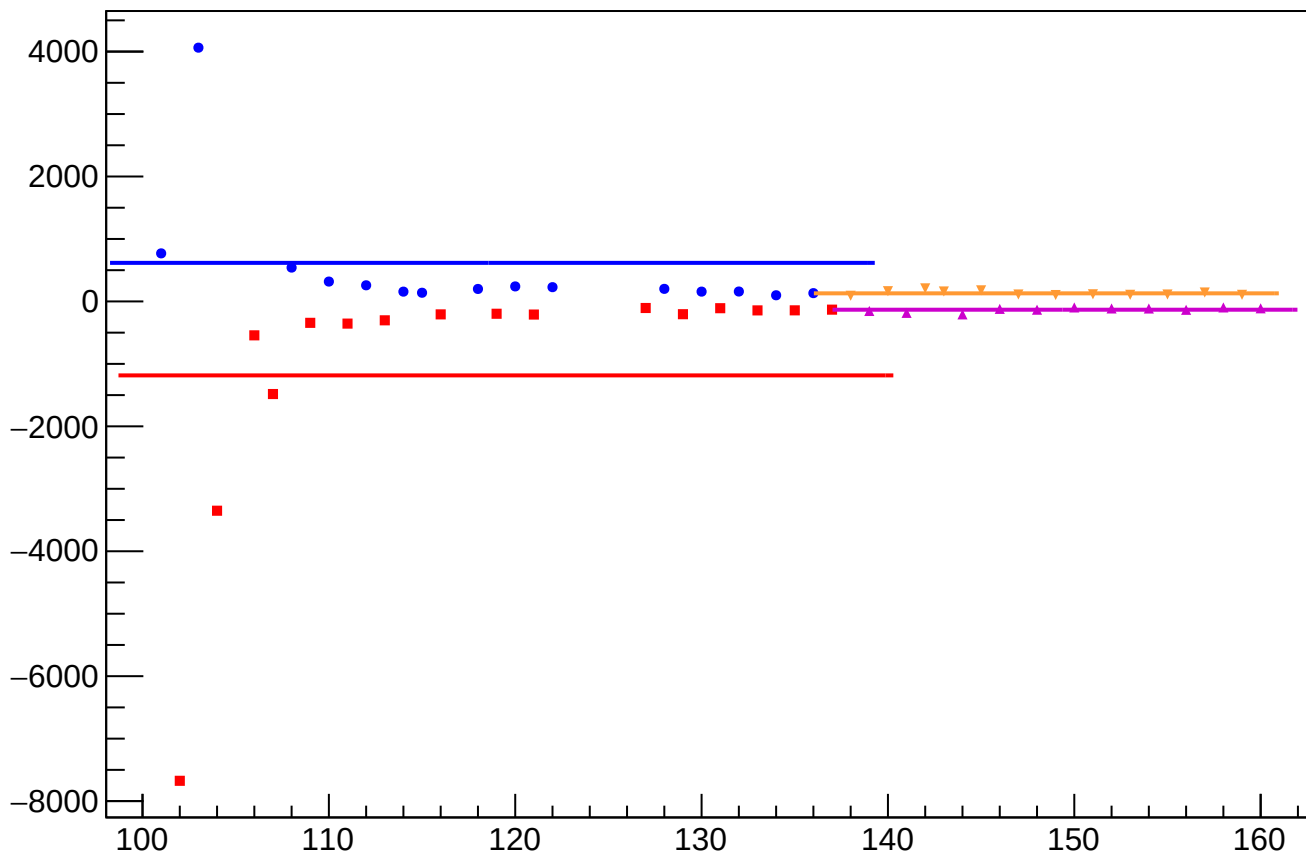
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atl1_coil6_mean vs Slug, Sign Corrected



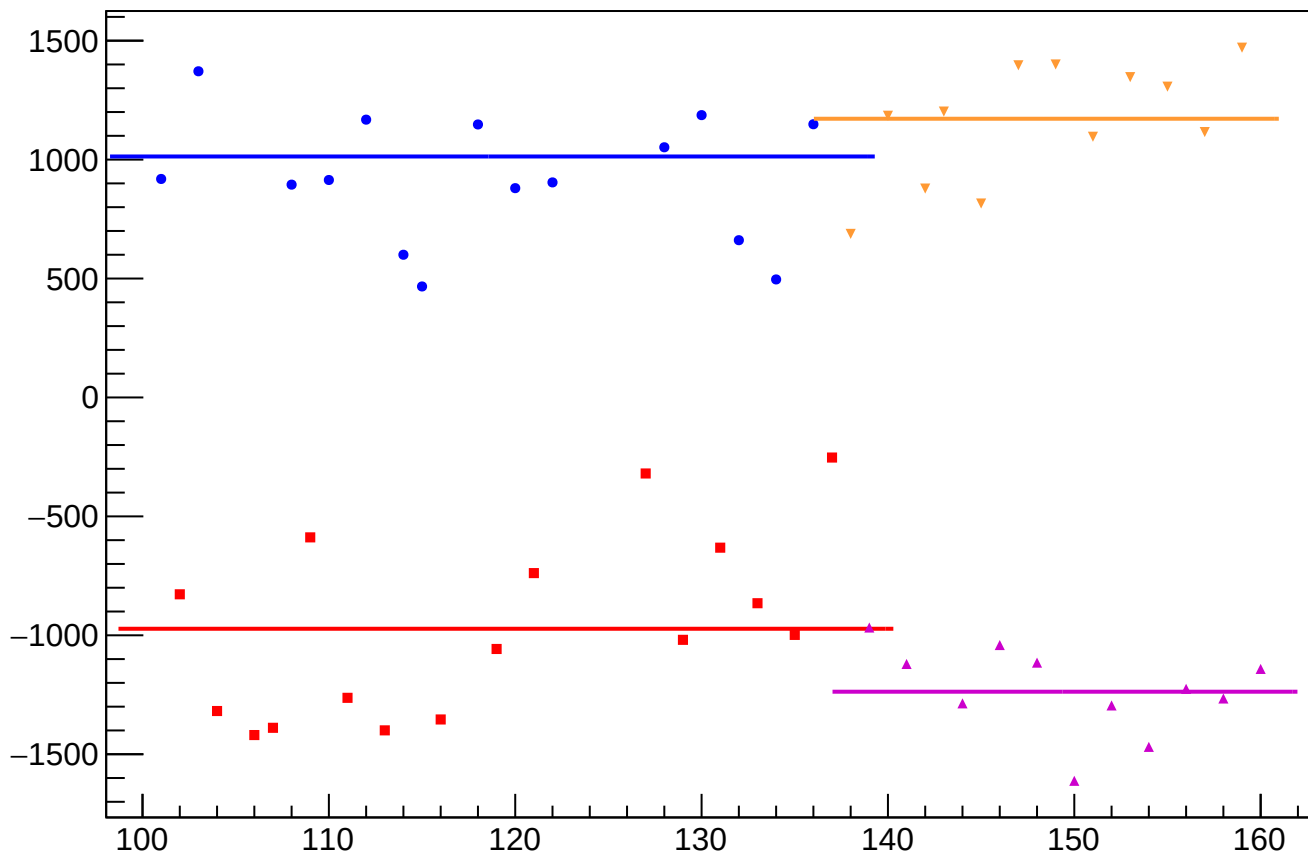
Right In: 1729.013+/-0.000 χ^2/NDF : 6413121297273347408075624116507964866560.0/14
 Left Out: 582.152+/-0.000 χ^2/NDF : 70083772647831486125732989768801714176.0/11
 Right Out: -1360.914+/-0.000 χ^2/NDF : 6431605933148863413038417850186506174464.0/15
 Left In: -707.889+/-0.000 χ^2/NDF : 38116486188817980699032426002432131072.0/10
 All: 29.296+/-0.000 χ^2/NDF : 1689851779226

dit_atl1_coil6_err_mean vs Slug, Sign Corrected



Right In: 617.343+/-0.000 χ^2/NDF : 792366012985954198345317750268755968000.0/14
 Left Out: 129.339+/-0.000 χ^2/NDF : 987271298758703212489370439899938816.0/11
 Right Out: -1184.322+/-0.000 χ^2/NDF : 3167423043121242666563535820496559931392.0/15
 Left In: -132.869+/-0.000 χ^2/NDF : 1091839085664014112201463155711279104.0/10
 All: -124.871+/-0.000 χ^2/NDF : 51271793033

dit_atl1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

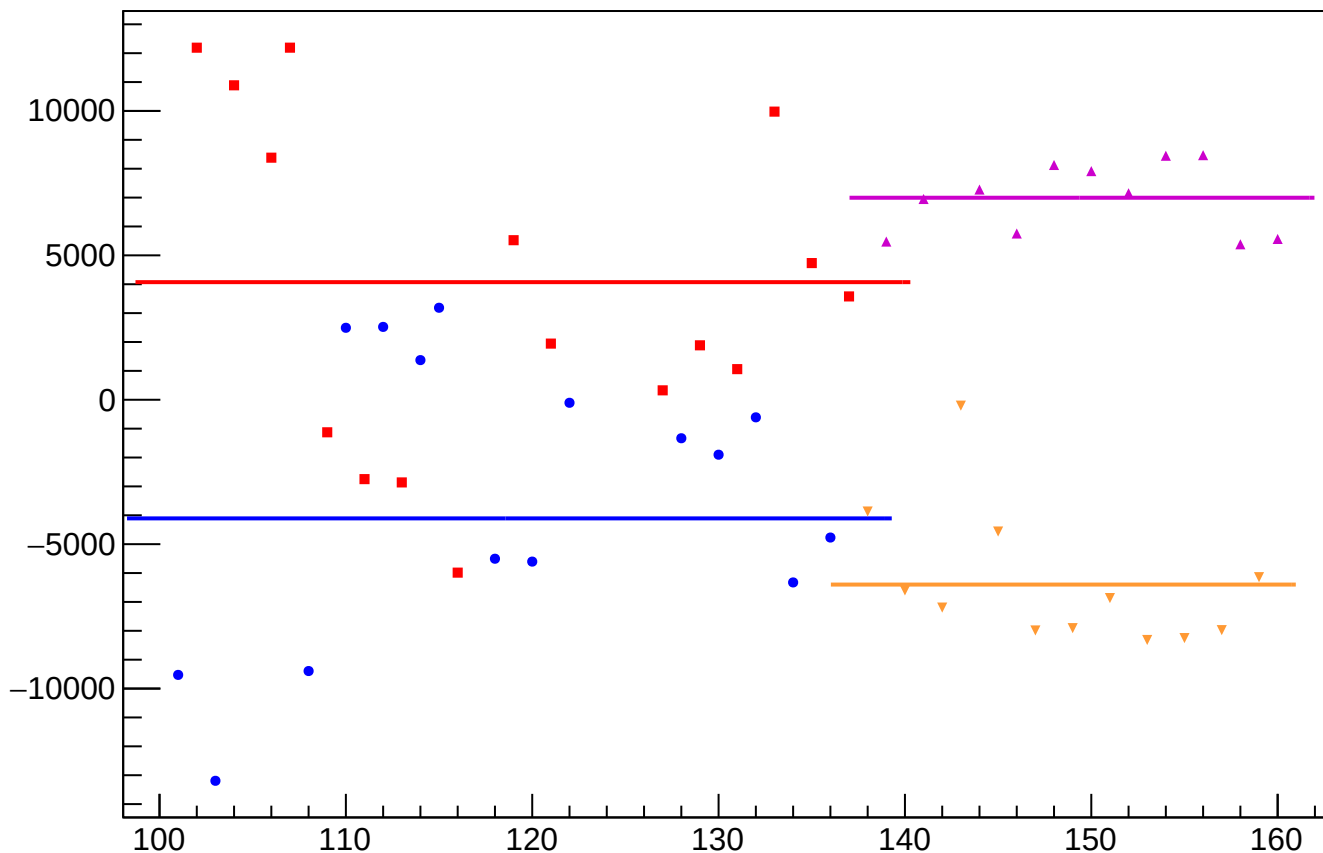
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atl2_coil6_mean vs Slug, Sign Corrected



Right In: -4107.443+/-0.000

Left Out: -6398.906+/-0.000

Right Out: 4072.120+/-0.000

Left In: 6994.812+/-0.000

χ^2/NDF : 14527436324982031454277780831211819630592.0/14

χ^2/NDF : 4560292812943761149136938286094472970240.0/11

χ^2/NDF : 20367171423690168095778854678764929941504.0/15

χ^2/NDF : 1231738289385705389055875270097690951680.0/10

Left: 334.389+/-0.000 χ^2/NDF : 8822007925031666

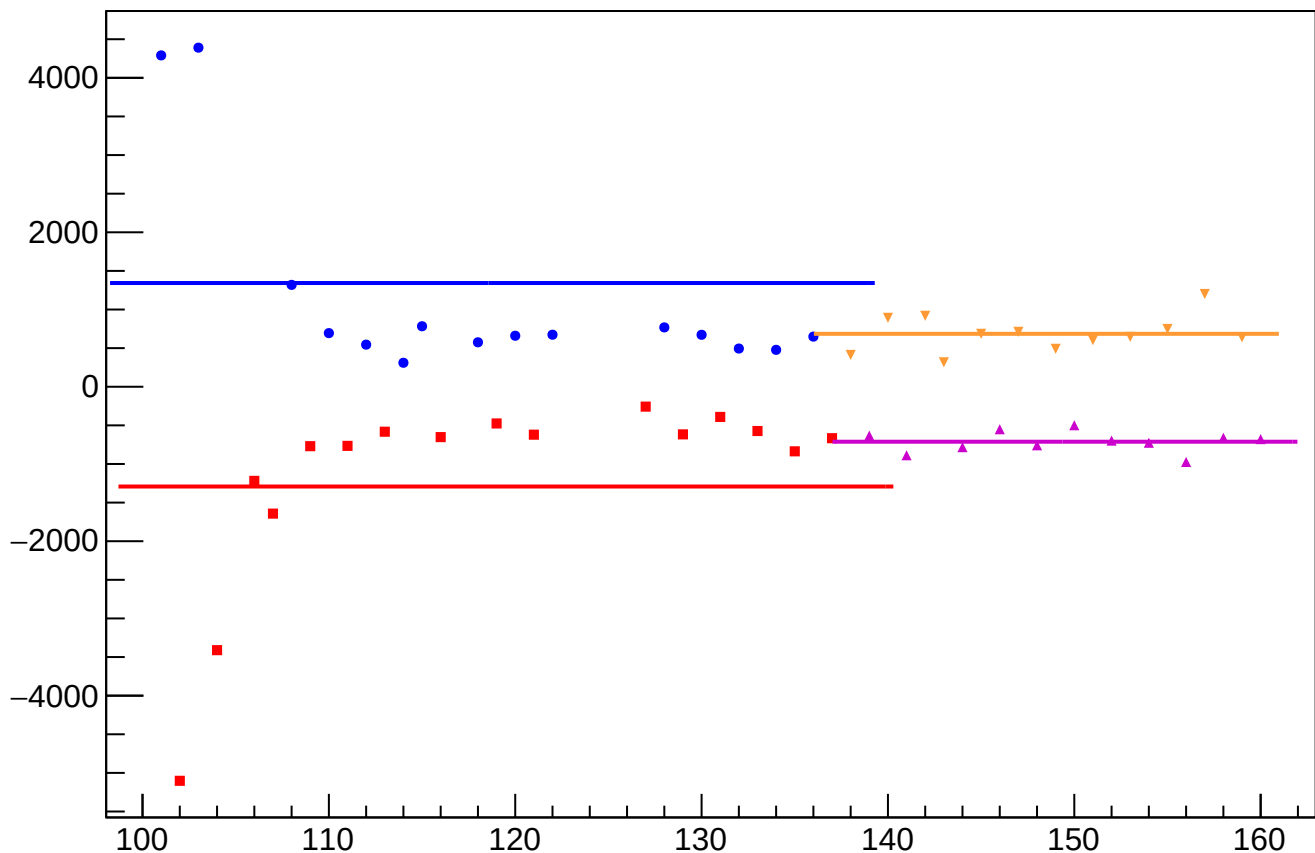
Right: 38.278+/-0.000 χ^2/NDF : 5690231407009786

In: 2414.162+/-0.000 χ^2/NDF : 6274970680925114

Out: -1981.339+/-0.000 χ^2/NDF : 67205872968541

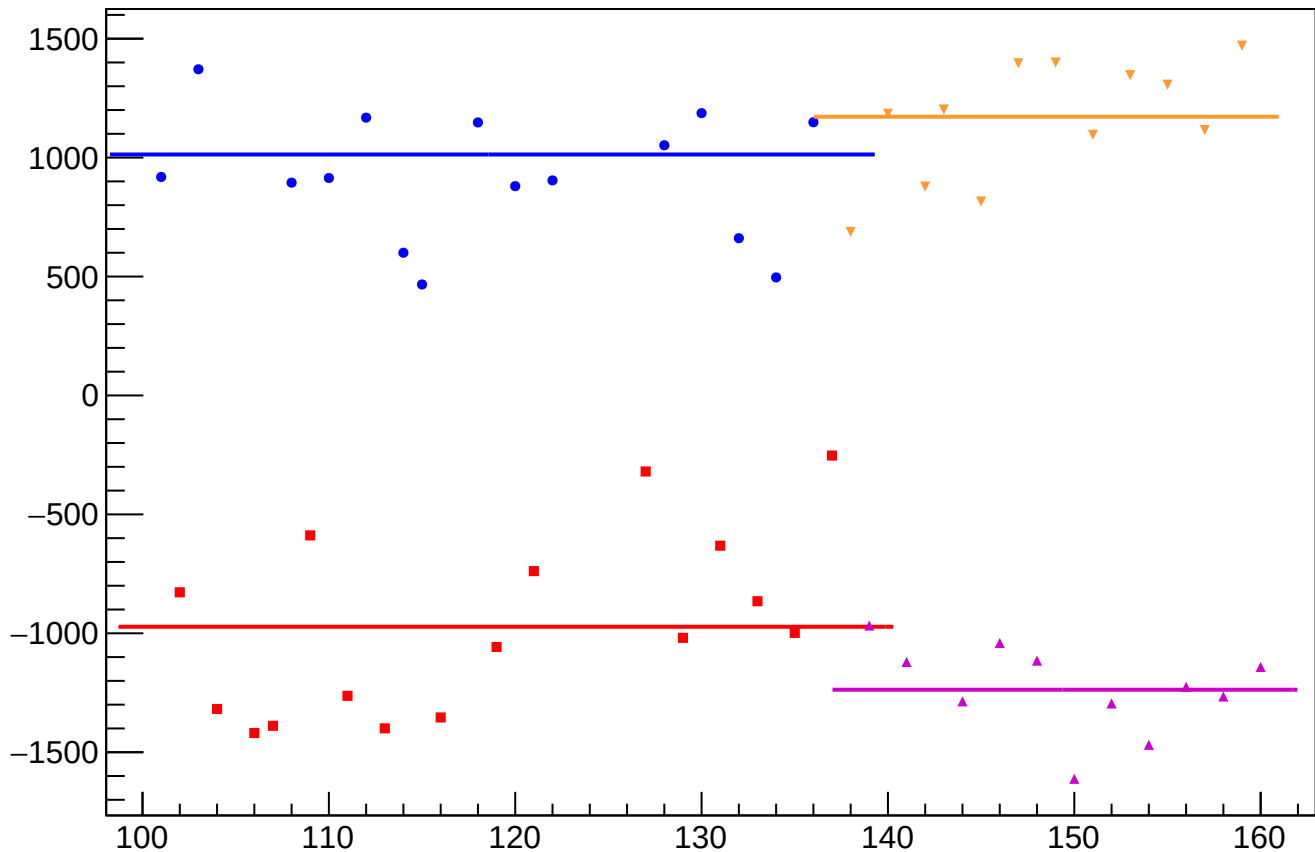
All: 210.837+/-0.000 χ^2/NDF : 145189636575

dit_atl2_coil6_err_mean vs Slug, Sign Corrected



Right In: 1343.321+/-0.000 χ^2/NDF : 1317478352429773686550511077330771771392.0/14
 Left Out: 685.307+/-0.000 χ^2/NDF : 46333249080985813233742212153458294784.0/11
 Right Out: -1291.796+/-0.000 χ^2/NDF : 1323568917008872977905960011586991030272.0/15
 Left In: -711.726+/-0.000 χ^2/NDF : 15873419979583207307068429247017123840.0/10
 All: -6.683+/-0.000 χ^2/NDF : 5884601406998

dit_atl2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

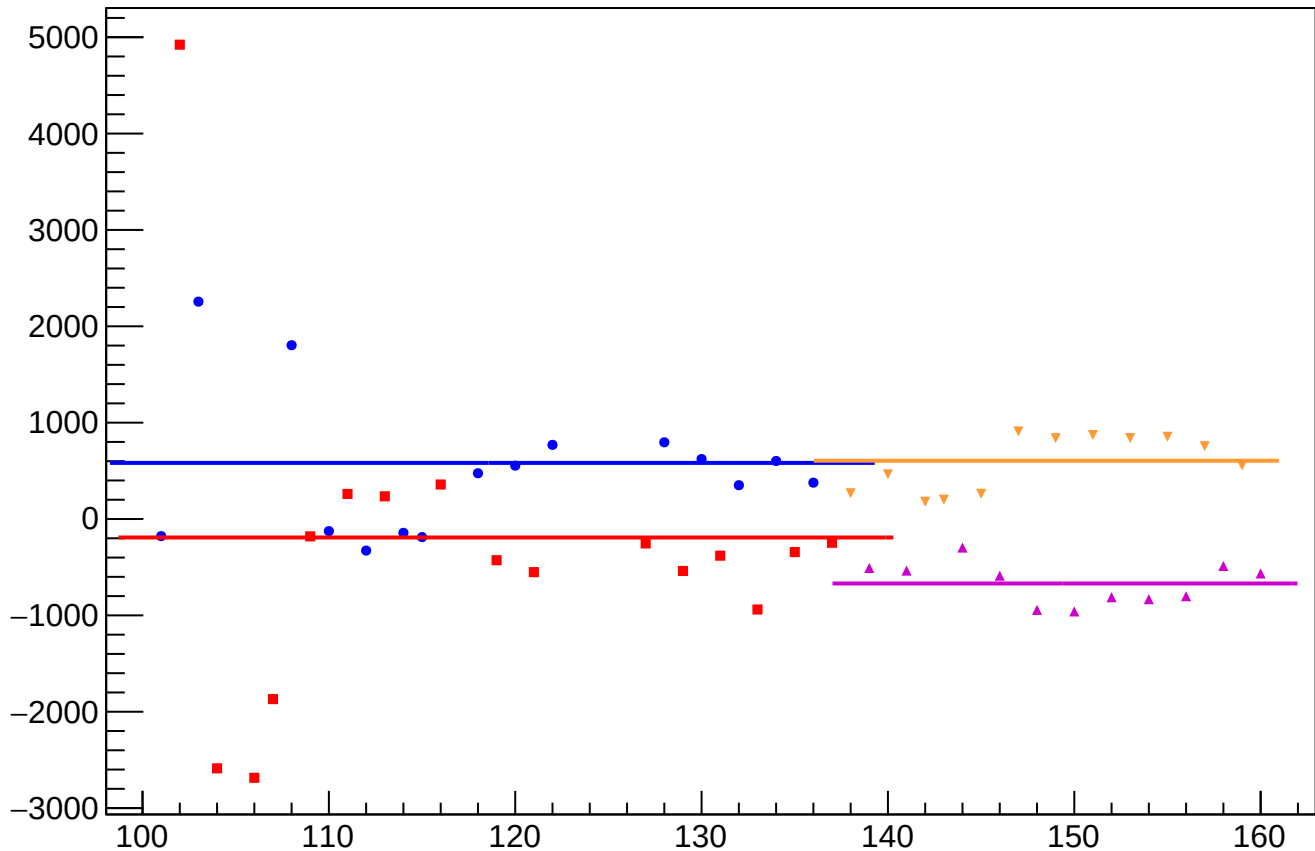
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atr1_coil6_mean vs Slug, Sign Corrected



Right In: 582.390+/-0.000

χ^2/NDF : 338796567623032040072791996460490031104.0/14

Left Out: 605.074+/-0.000

χ^2/NDF : 67912515245446196729937130882705915904.0/11

Right Out: -191.587+/-0.000

χ^2/NDF : 2168762120552346223416743005020716269568.0/15

Left In: -669.155+/-0.000

χ^2/NDF : 39481195240563617253842230522616479744.0/10

Left: -35.507+/-0.000 χ^2/NDF : 8534436967394536

Right: 190.108+/-0.000

χ^2/NDF : 270460615635385

In: -152.784+/-0.000

χ^2/NDF : 9754243982311555

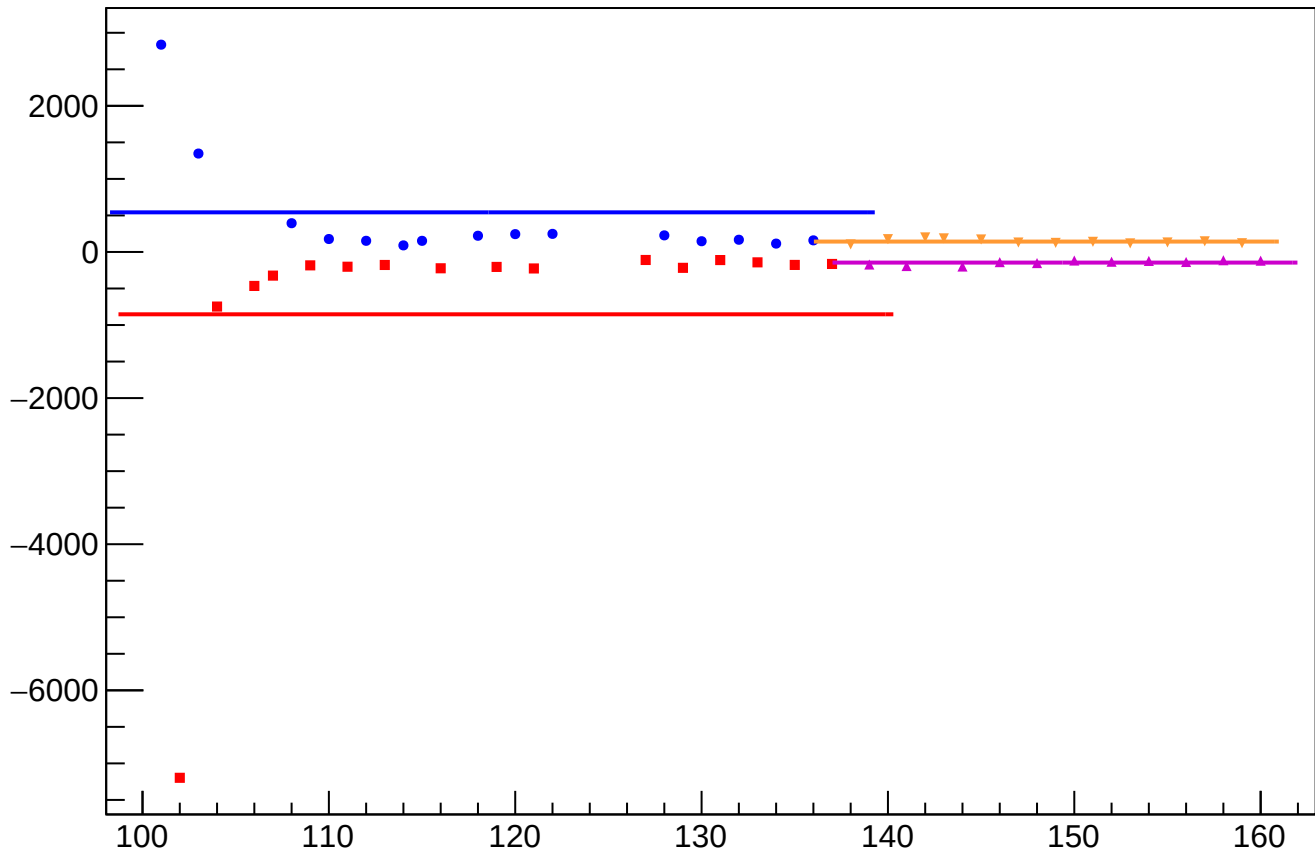
Out: 268.975+/-0.000

χ^2/NDF : 2481404905102664

All: 58.630+/-0.000

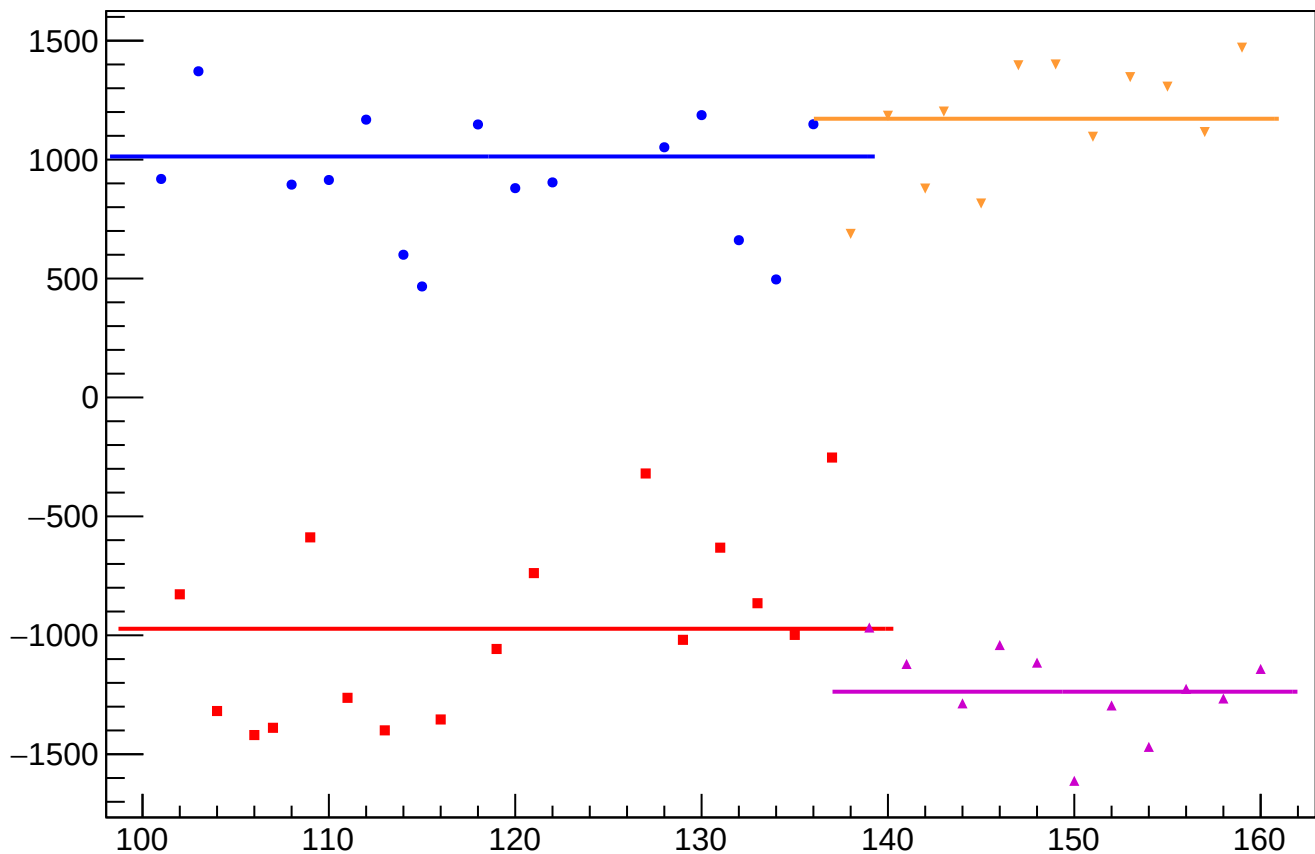
χ^2/NDF : 3597086809072

dit_atr1_coil6_err_mean vs Slug, Sign Corrected



Left: -2.367 +/- 0.000 χ^2/NDF : 39549748395756711
 Right In: 542.328 +/- 0.000 χ^2/NDF : 414378812003795549649034048462817067008.0/14
 Right: -164.982 +/- 0.000 χ^2/NDF : 36290648240362
 Left Out: 142.333 +/- 0.000 χ^2/NDF : 699754234994212847043453967042347008.0/11
 In: 138.288 +/- 0.000 χ^2/NDF : 5955245908966435
 Right Out: -853.203 +/- 0.000 χ^2/NDF : 2574076381441046787772449137133917044736.0/15
 Out: -277.669 +/- 0.000 χ^2/NDF : 295694420364328
 Left In: -145.502 +/- 0.000 χ^2/NDF : 782066035610550272928661281894825984.0/10
 All: -70.218 +/- 0.000 χ^2/NDF : 368889410963

dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

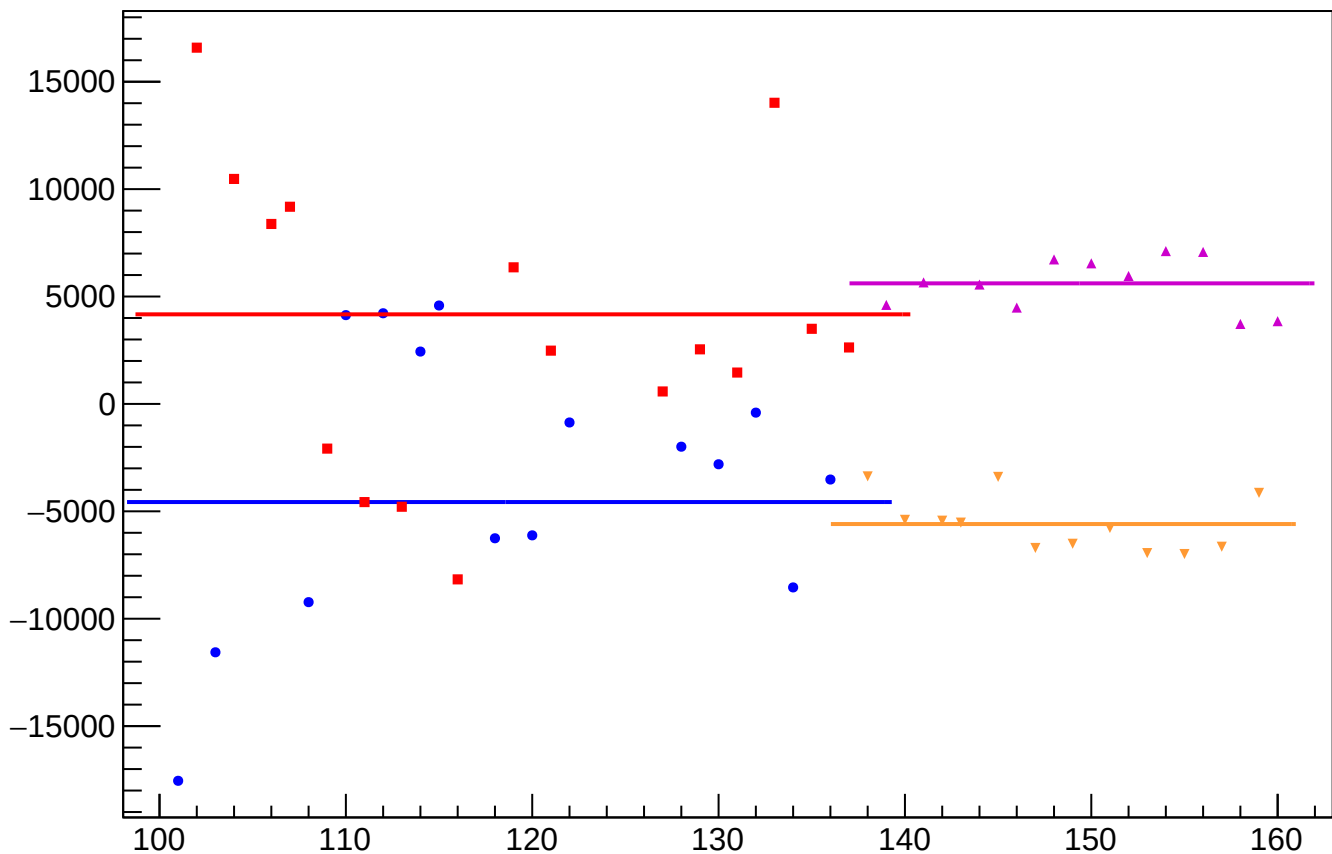
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

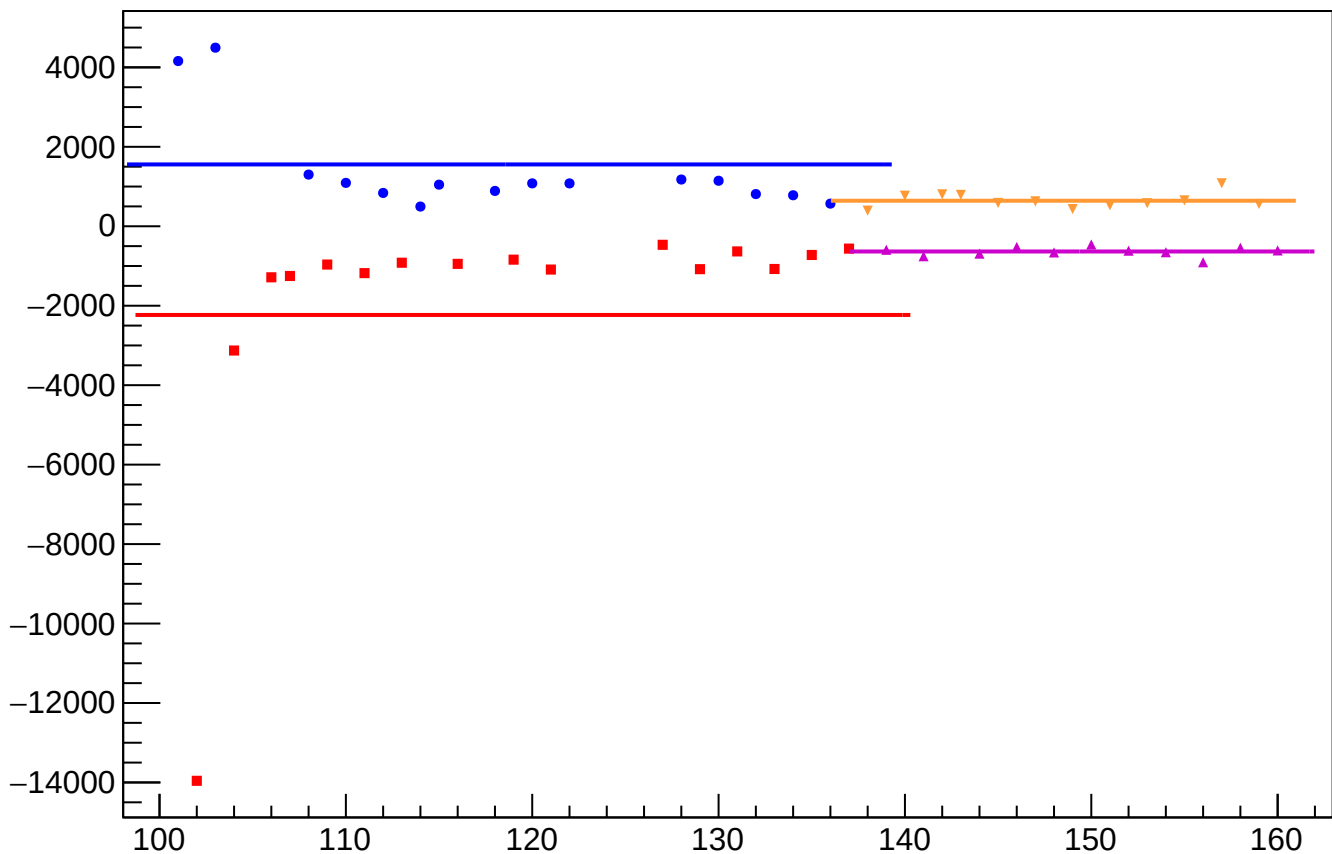
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atr2_coil6_mean vs Slug, Sign Corrected



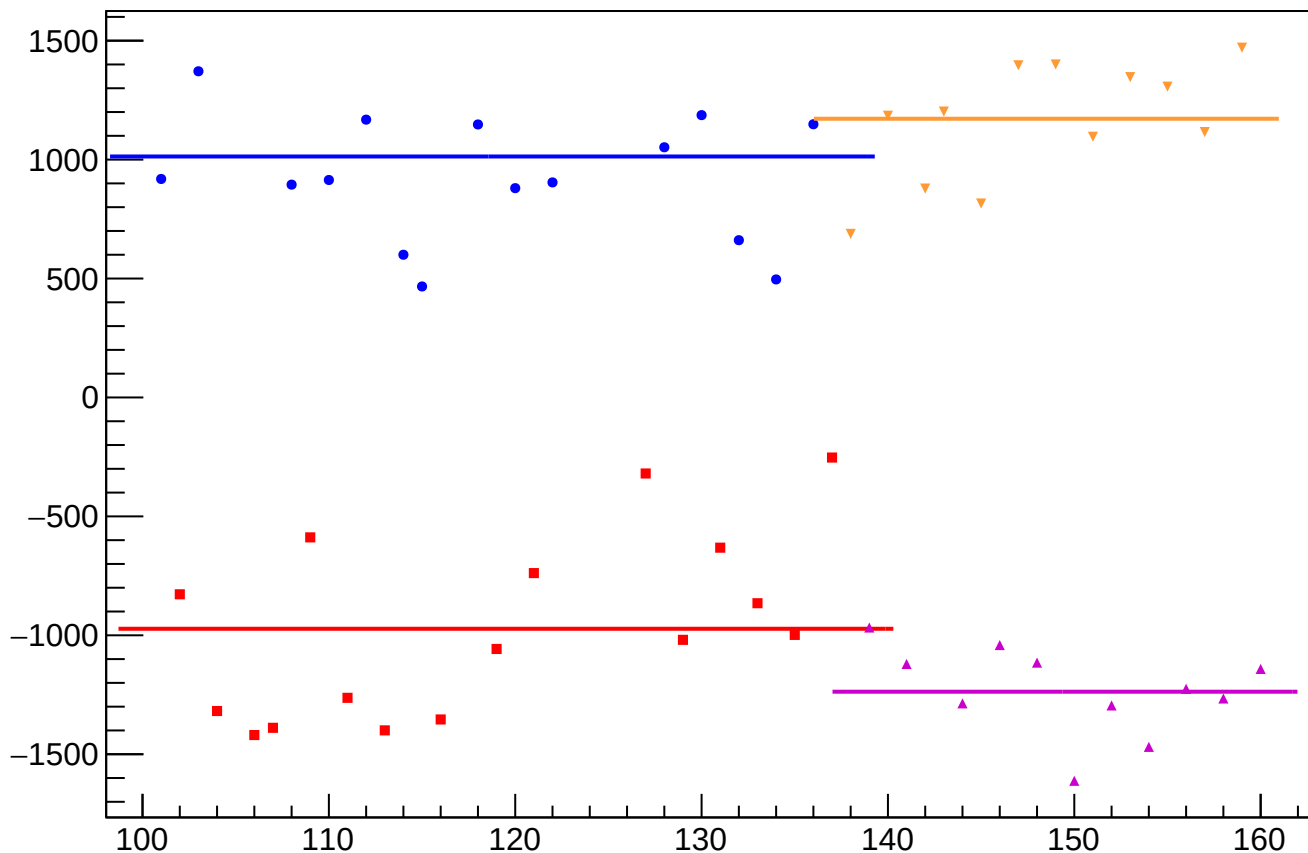
Right In: -4568.297 ± 0.000 $\chi^2/\text{NDF}: 24195052148165719540713110921977756909568.0/14$
 Left Out: -5592.357 ± 0.000 $\chi^2/\text{NDF}: 1502507998590915650067934753088681803776.0/11$
 Right Out: 4170.773 ± 0.000 $\chi^2/\text{NDF}: 30967248832187912041113909559481103024128.0/15$
 Left In: 5613.024 ± 0.000 $\chi^2/\text{NDF}: 1272210659936261957248133173503170969600.0/10$
 All: -34.210 ± 0.000 $\chi^2/\text{NDF}: 140776657149$

dit_atr2_coil6_err_mean vs Slug, Sign Corrected



Right In: 1556.763+/-0.000 χ^2/NDF : 1139364239218600567191855131756930793472.0/14
 Left Out: 642.639+/-0.000 χ^2/NDF : 29931346030134316080818937490076336128.0/11
 Right Out: -2232.520+/-0.000 χ^2/NDF : 8990395725533930134878595569706942332928.0/15
 Left In: -634.562+/-0.000 χ^2/NDF : 12308442809403031190669556314642841600.0/10
 All: -151.463+/-0.000 χ^2/NDF : 15746462164

dit_atr2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

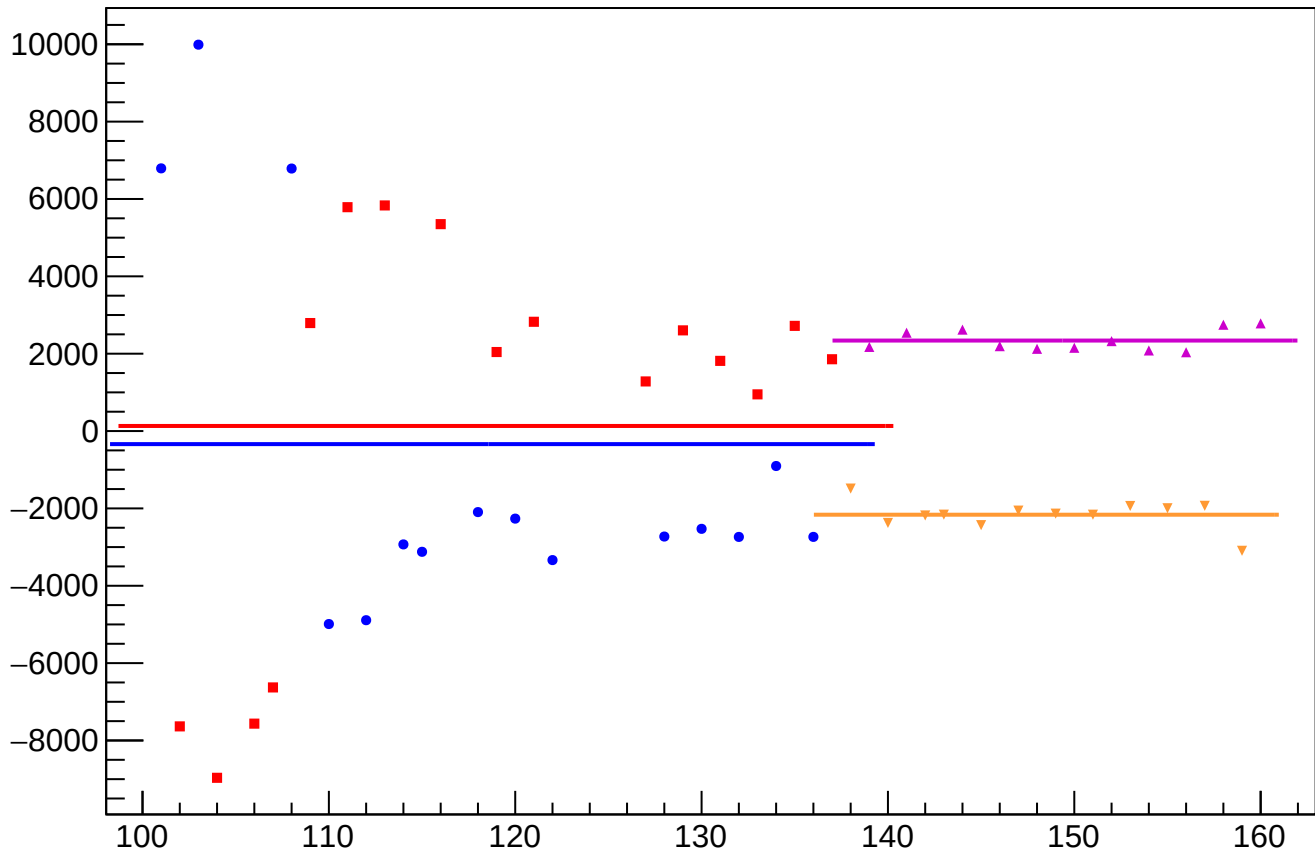
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam1_coil6_mean vs Slug, Sign Corrected



Right In: -337.865+/-0.000

χ^2/NDF : 15152515933007079891661097940762081886208.0/14

Left Out: -2162.857+/-0.000

χ^2/NDF : 126332275232930257638482620391759020032.0/11

Right Out: 131.545+/-0.000

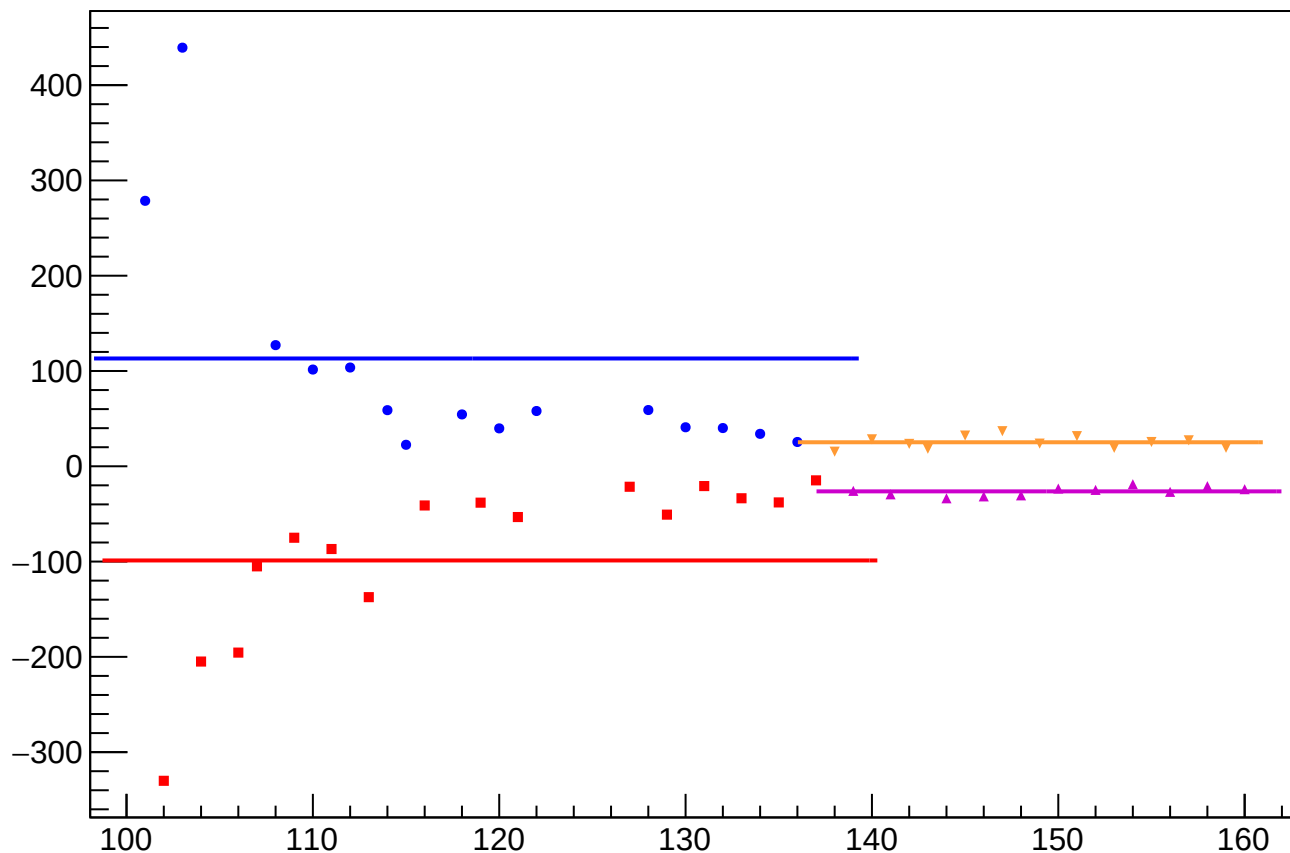
χ^2/NDF : 16473217651078877976377424419956902068224.0/15

Left In: 2339.639+/-0.000

χ^2/NDF : 62860144247456957543810906284181422080.0/10

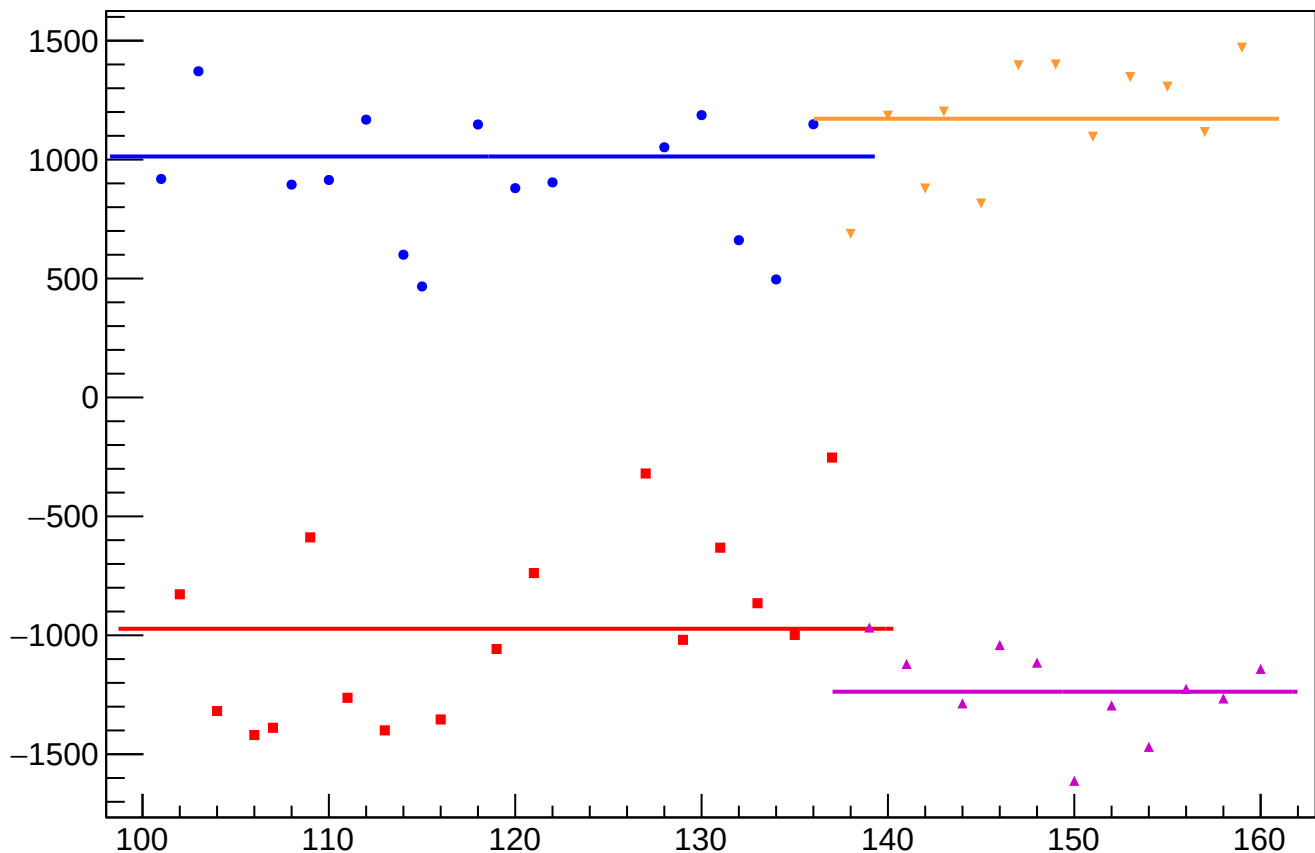
All: 16.944+/-0.000 χ^2/NDF : 4123318495094

dit_sam1_coil6_err_mean vs Slug, Sign Corrected



Left: -0.703 +/- 0.000 χ^2/NDF : 12737969644467641
 Right In: 113.134 +/- 0.000 χ^2/NDF : 9989638354332004017458192433874468864.0/14
 Right: 5.701 +/- 0.000 χ^2/NDF : 30279176036436111
 Left Out: 25.204 +/- 0.000 χ^2/NDF : 35340998729966912863138320392126464.0/11
 In: 31.211 +/- 0.000 χ^2/NDF : 174228215351618200
 Right Out: -98.833 +/- 0.000 χ^2/NDF : 5510365308590426333953610701260980224.0/15
 Out: -27.125 +/- 0.000 χ^2/NDF : 1147829075591207
 Left In: -26.331 +/- 0.000 χ^2/NDF : 18142873408814573481950758043648000.0/10
 All: 1.969 +/- 0.000 χ^2/NDF : 31584425444526

dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

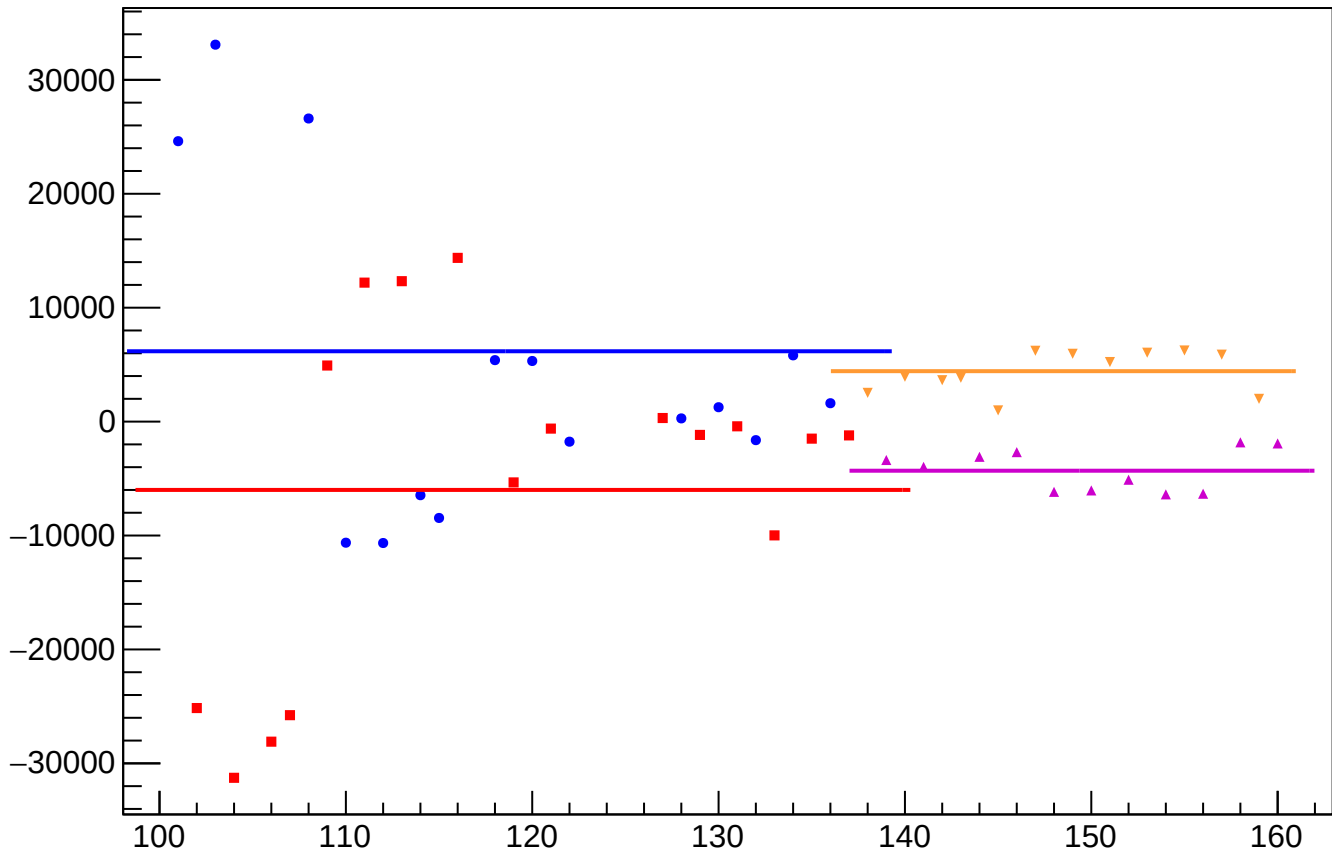
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

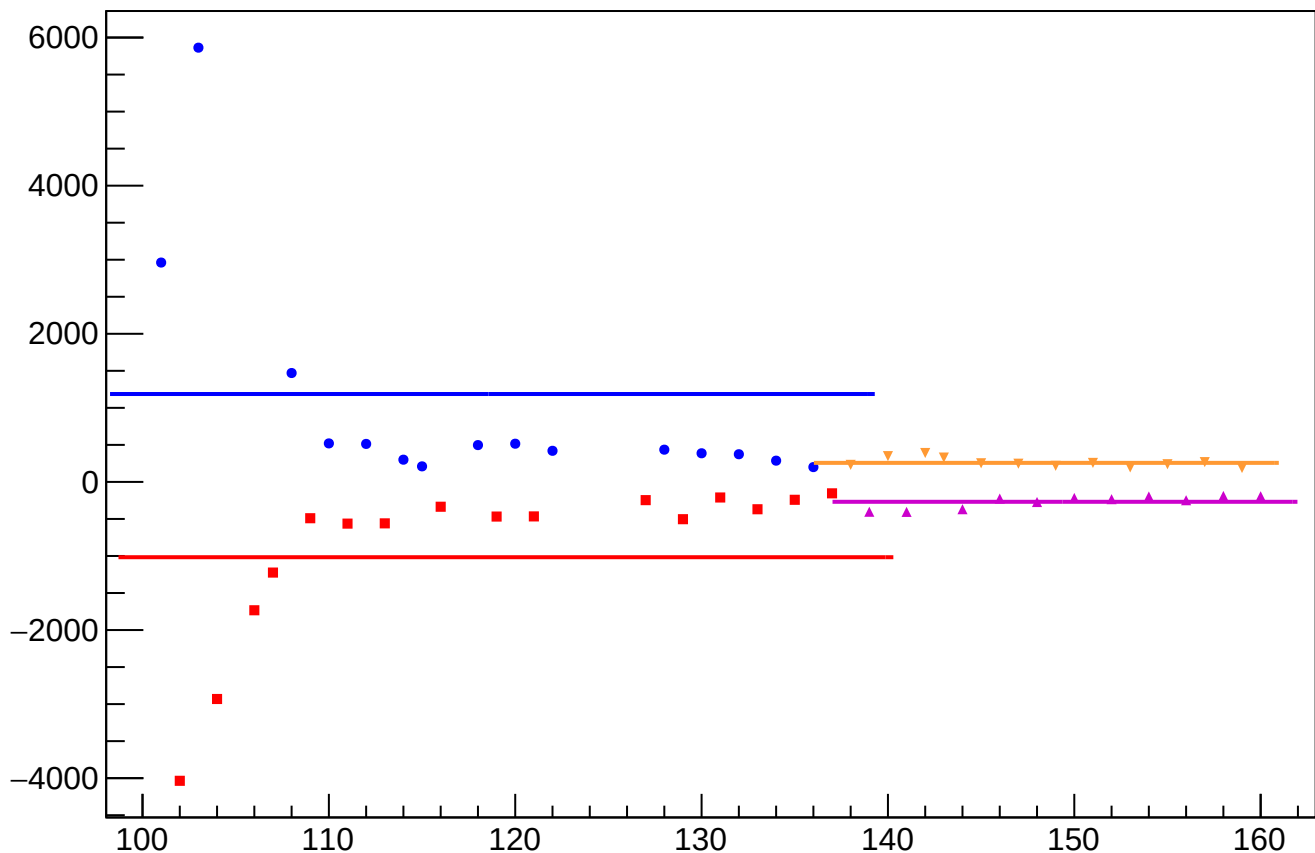
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam2_coil6_mean vs Slug, Sign Corrected



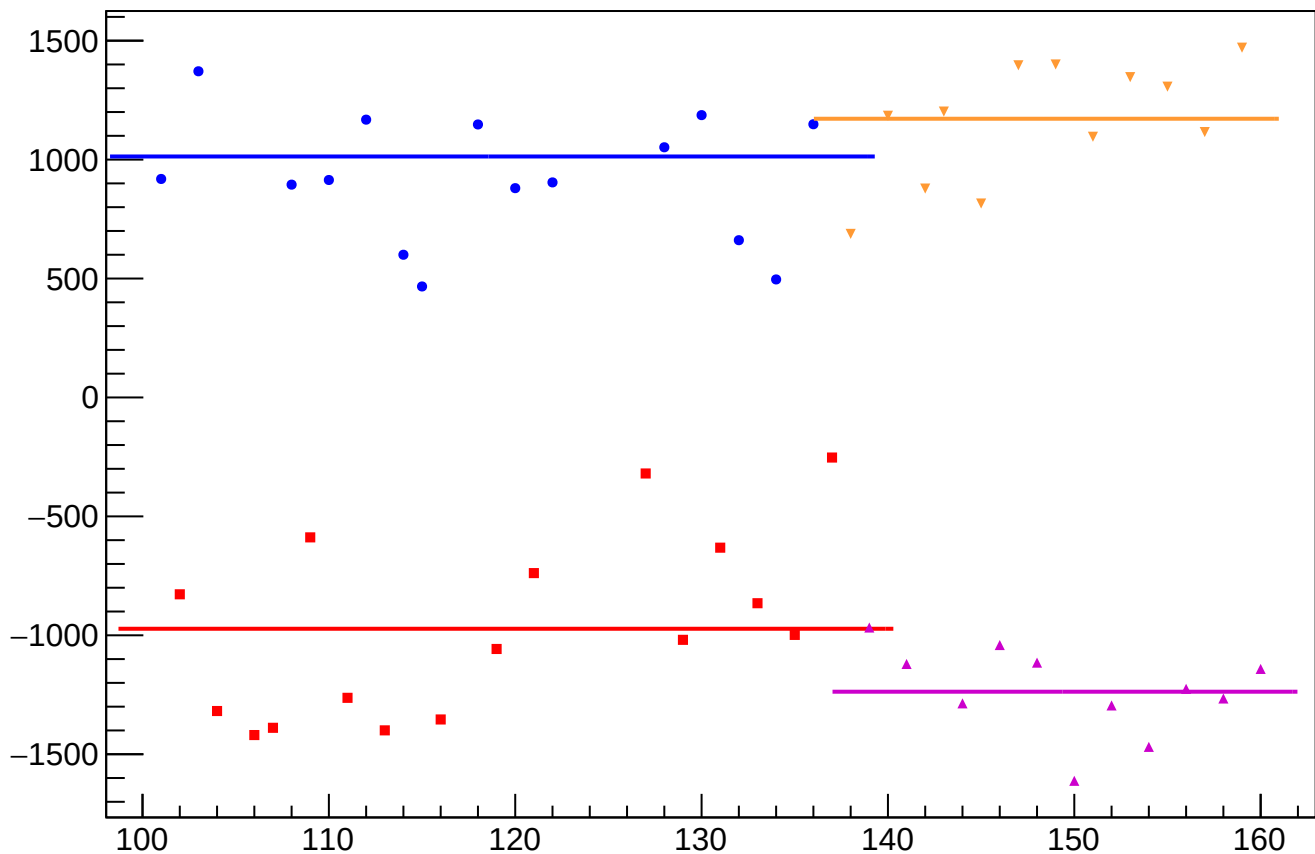
Right In: 6175.493+/-0.000 χ^2/NDF : 117260877162921223967478349050708452442112.0/14
 Left Out: 4428.101+/-0.000 χ^2/NDF : 2900138976874387724183278190835470958592.0/11
 Right Out: -5996.727+/-0.000 χ^2/NDF : 137057710785025136543407710107916356812800.0/15
 Left In: -4310.541+/-0.000 χ^2/NDF : 2687248811790643780000086030830396243968.0/10
 All: 22.962+/-0.000 χ^2/NDF : 3437312552543

dit_sam2_coil6_err_mean vs Slug, Sign Corrected



Left: -7.049 ± 0.000 $\chi^2/\text{NDF}: 13564373740521632$
 Right In: 1186.846 ± 0.000 $\chi^2/\text{NDF}: 1796463312802023303623210264680353234944.0/14$
 Left Out: 257.255 ± 0.000 $\chi^2/\text{NDF}: 2781253601465669157863687249484316672.0/11$
 Right Out: -1016.732 ± 0.000 $\chi^2/\text{NDF}: 927646003466094249558391691024825057280.0/15$
 Out: -280.221 ± 0.000 $\chi^2/\text{NDF}: 155627640866420$
 Left In: -268.493 ± 0.000 $\chi^2/\text{NDF}: 5855734975706547823556607966386847744.0/10$
 All: 25.094 ± 0.000 $\chi^2/\text{NDF}: 4461548431254$

dit_sam2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

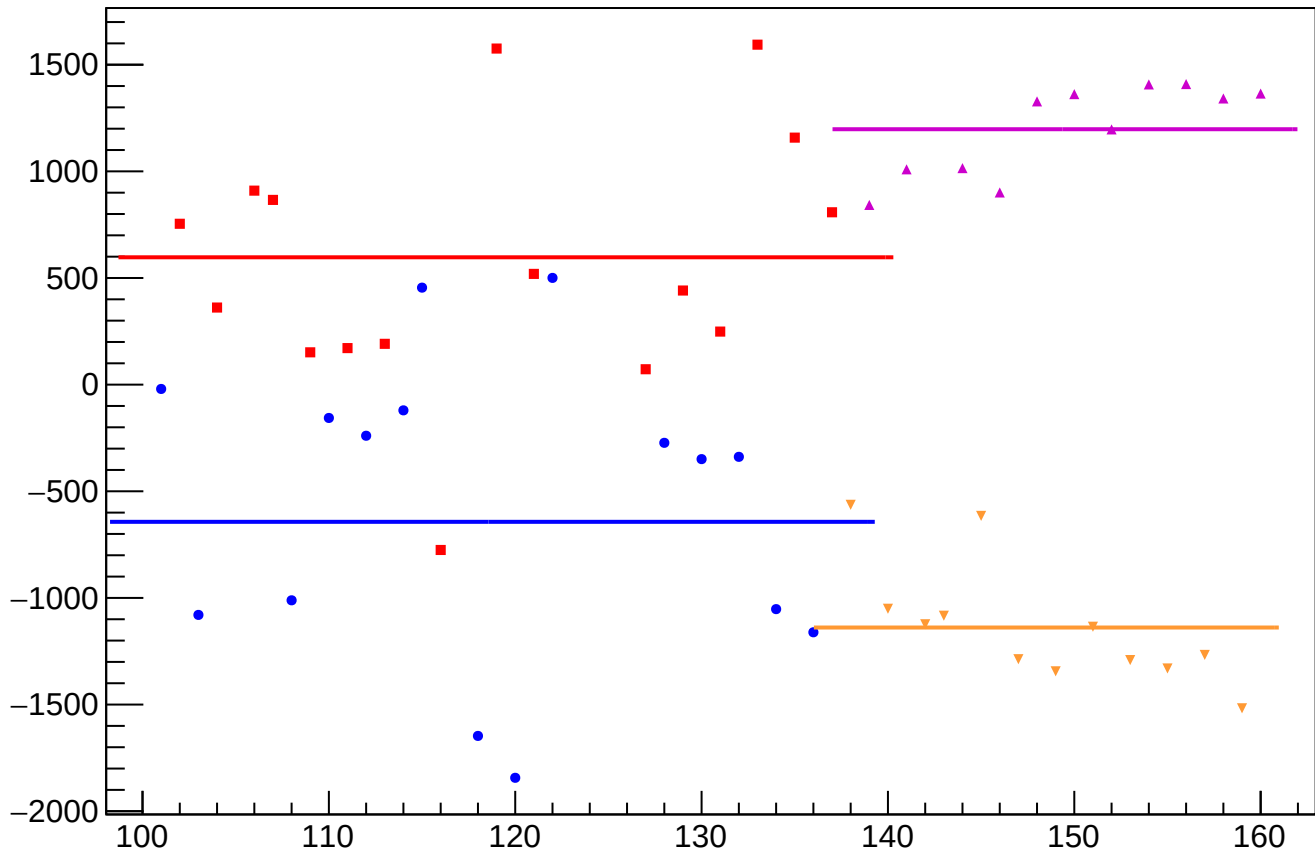
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam3_coil6_mean vs Slug, Sign Corrected



Right In: -643.217+/-0.000

χ^2/NDF : 272726964608206694027285159784925364224.0/14

Left Out: -1138.759+/-0.000

χ^2/NDF : 71006185953424254270590791718170263552.0/11

Right Out: 597.043+/-0.000

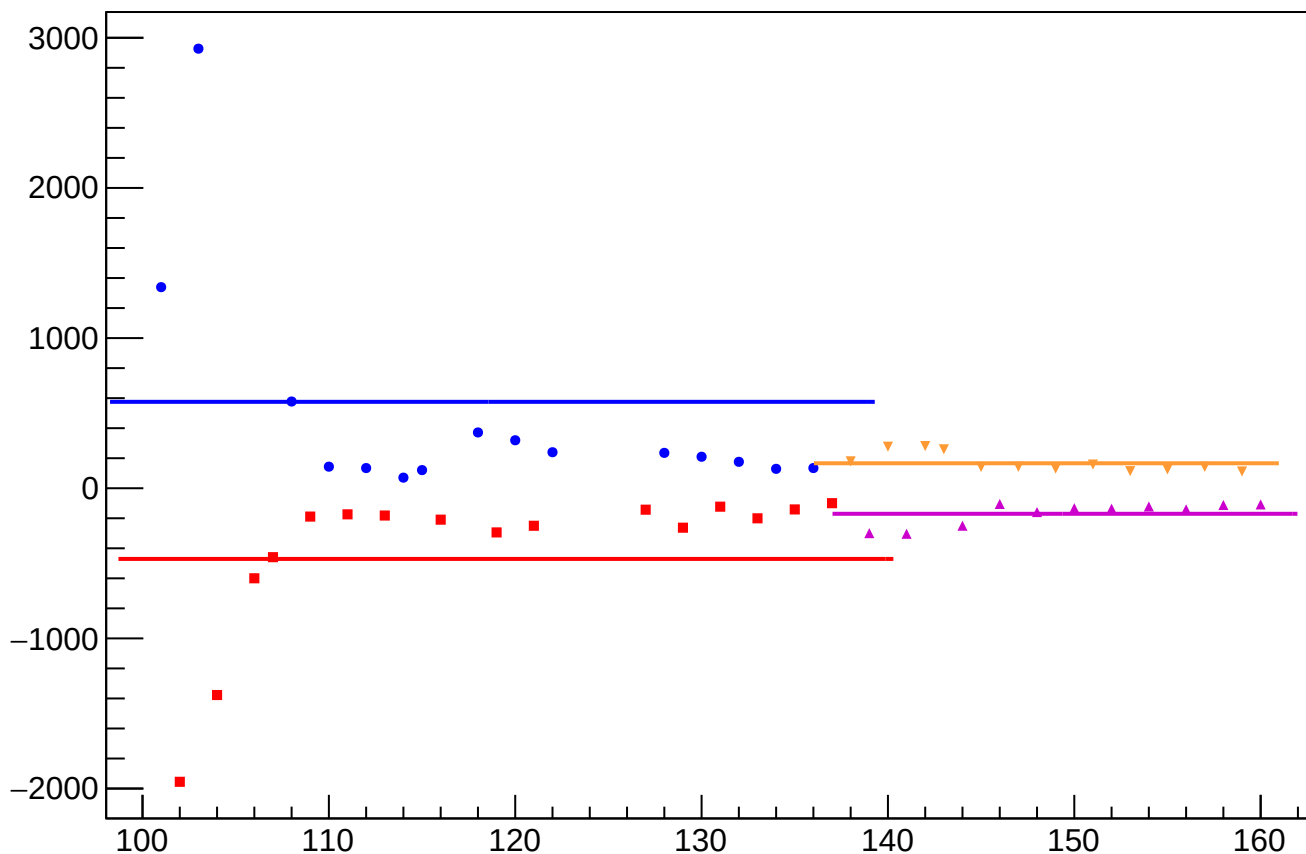
χ^2/NDF : 210733370798031449363504004319005376512.0/15

Left In: 1197.503+/-0.000

χ^2/NDF : 38624722141560961102710570239066636288.0/10

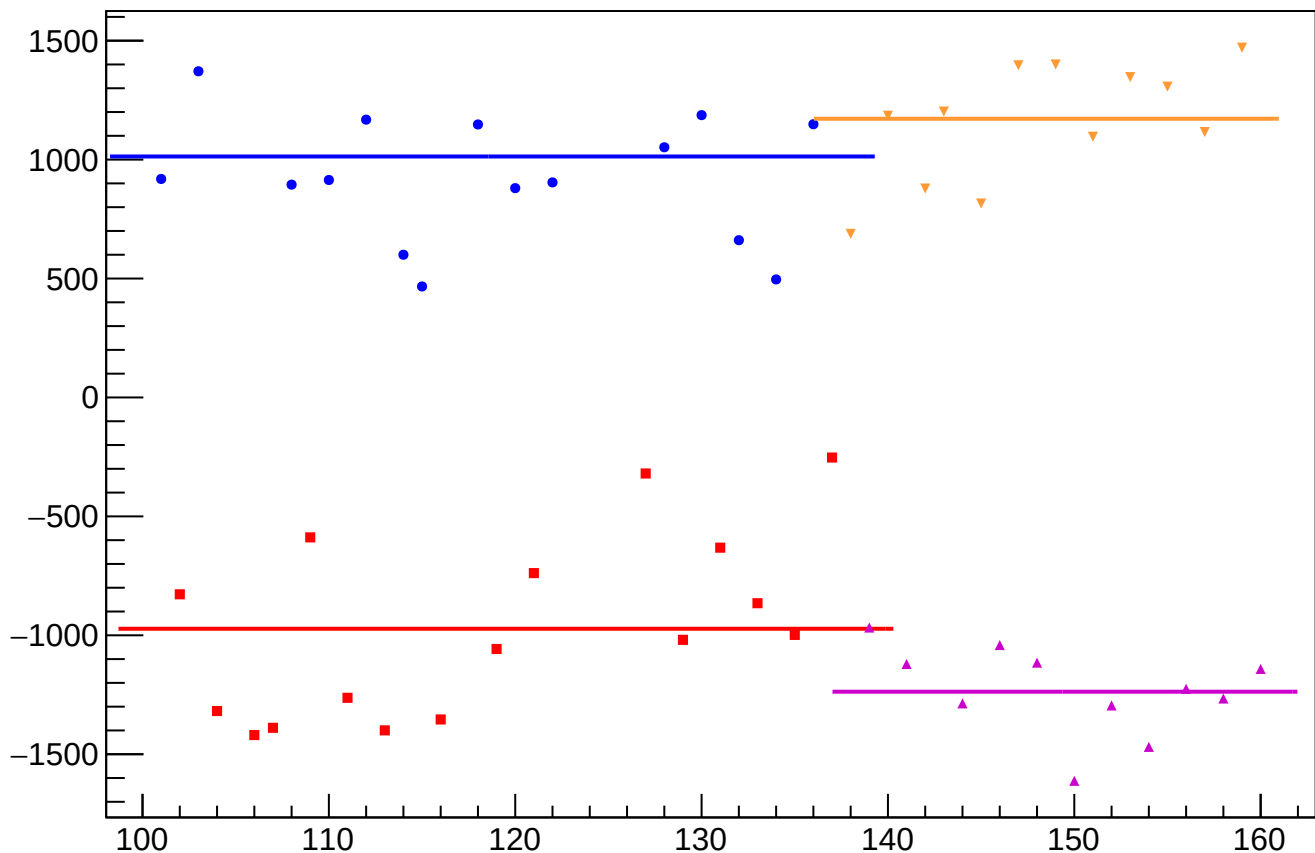
Left: 35.728+/-0.000 χ^2/NDF : 26175621969941425
 Right: -14.605+/-0.000 χ^2/NDF : 989448118075246
 In: 438.045+/-0.000 χ^2/NDF : 1603056987163828
 Out: -406.450+/-0.000 χ^2/NDF : 144356337261443
 All: 14.726+/-0.000 χ^2/NDF : 3608953170188

dit_sam3_coil6_err_mean vs Slug, Sign Corrected



Right In: 575.526+/-0.000 χ^2/NDF : 432680039285849719493276471277131923456.0/14
 Left Out: 166.360+/-0.000 χ^2/NDF : 3052716209295405049807129095543193600.0/11
 Right Out: -470.716+/-0.000 χ^2/NDF : 209310604291868219806073768764512403456.0/15
 Left In: -170.082+/-0.000 χ^2/NDF : 4851165358478650186983079637734653952.0/10
 All: 17.262+/-0.000 χ^2/NDF : 1063737364413

dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

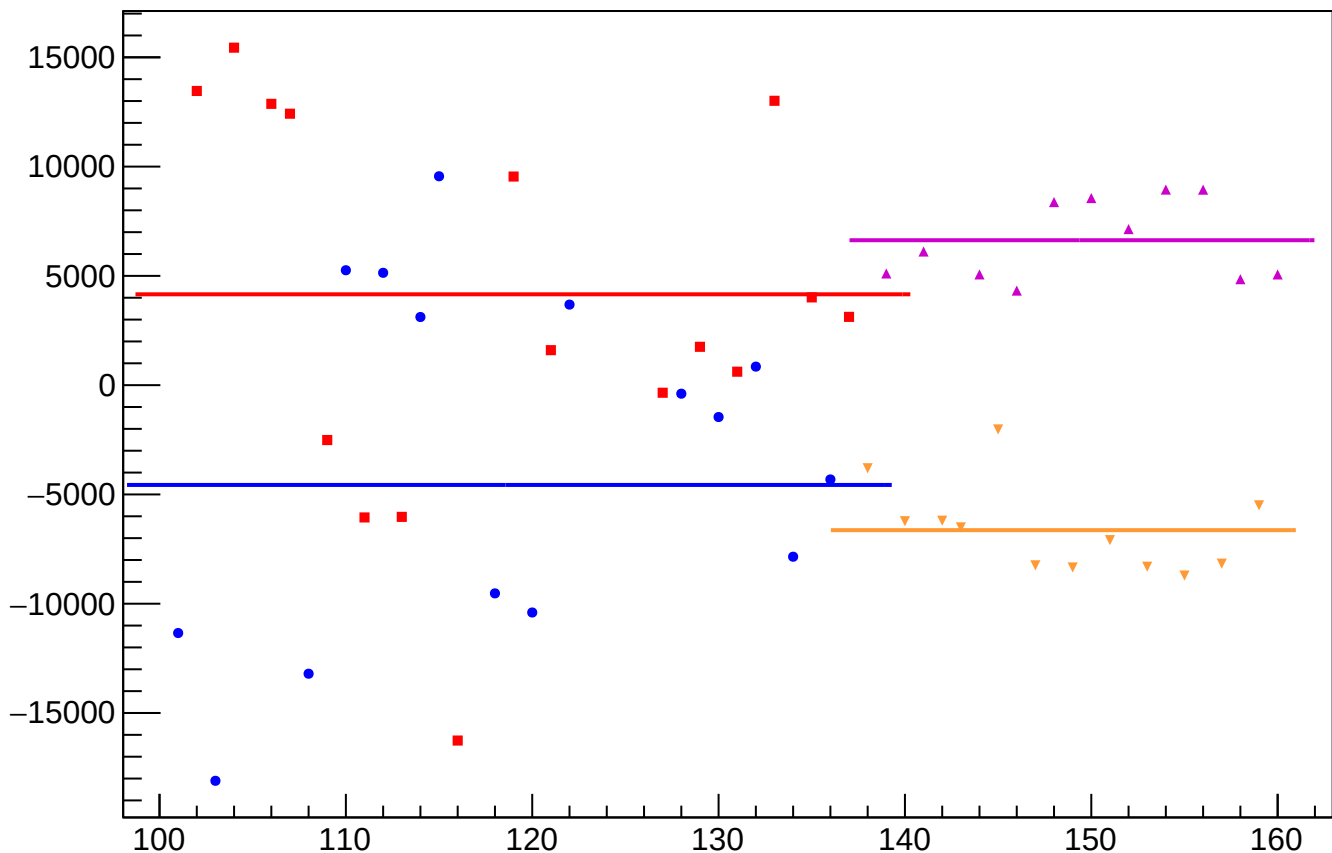
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

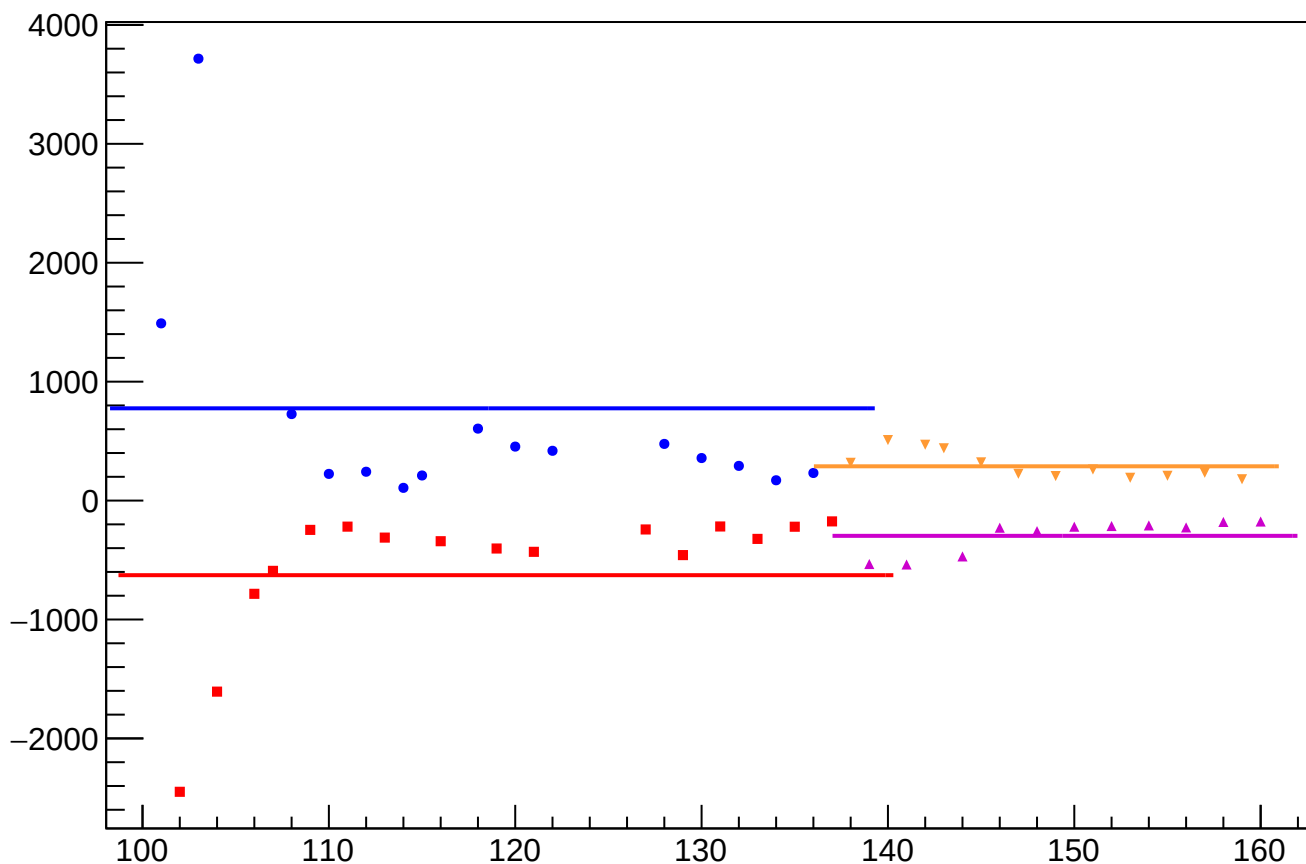
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam4_coil6_mean vs Slug, Sign Corrected



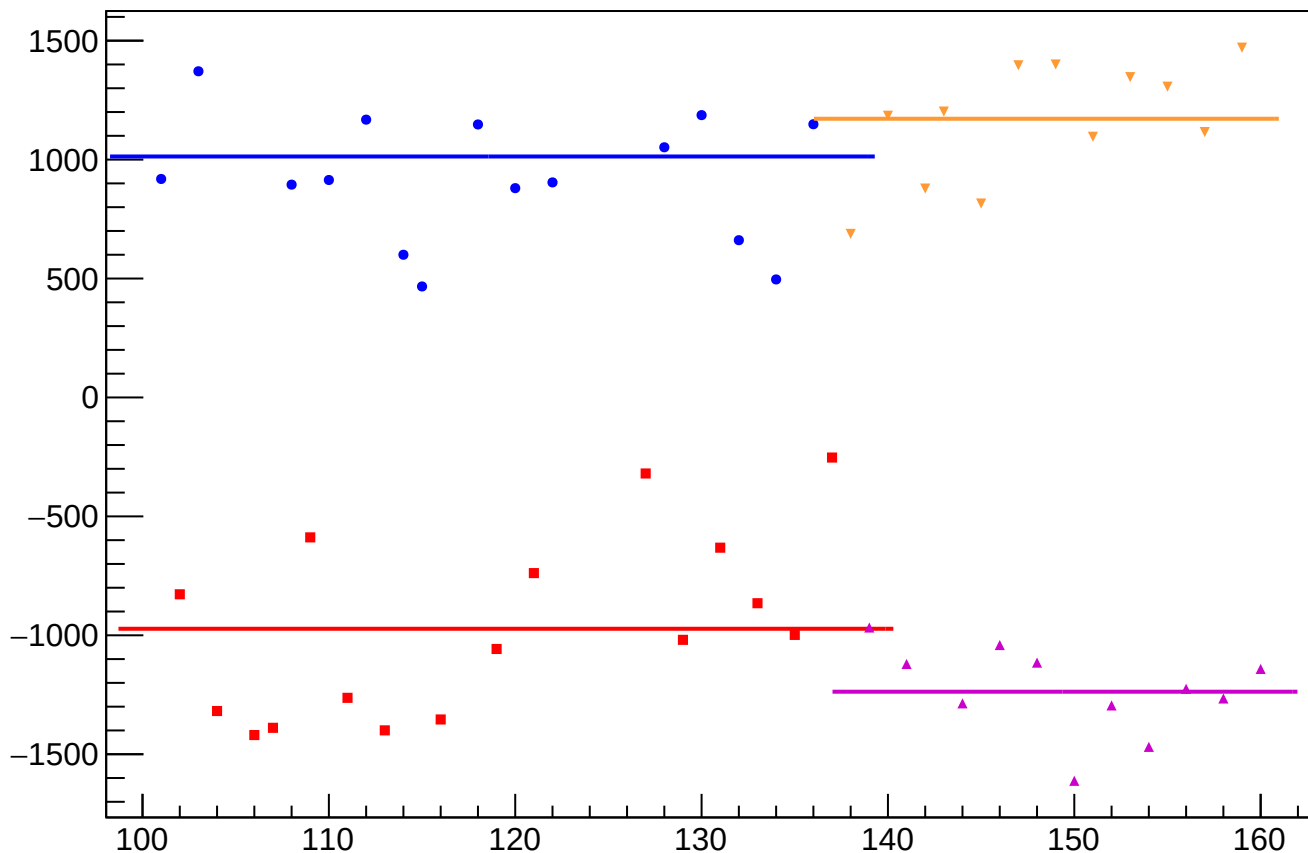
Right In: -4565.412 $\pm$ 0.000 χ^2 /NDF: 35667768247432289984899042725155487875072.0/14
 Left Out: -6634.457 $\pm$ 0.000 χ^2 /NDF: 3640150880403299784339543756995645407232.0/11
 Right Out: 4156.859 $\pm$ 0.000 χ^2 /NDF: 45539455441659927157708443099930682195968.0/15
 Left In: 6631.377 $\pm$ 0.000 χ^2 /NDF: 2831140540306304869921468245145345327104.0/10
 All: -40.212 $\pm$ 0.000 χ^2 /NDF: 193589617431

dit_sam4_coil6_err_mean vs Slug, Sign Corrected



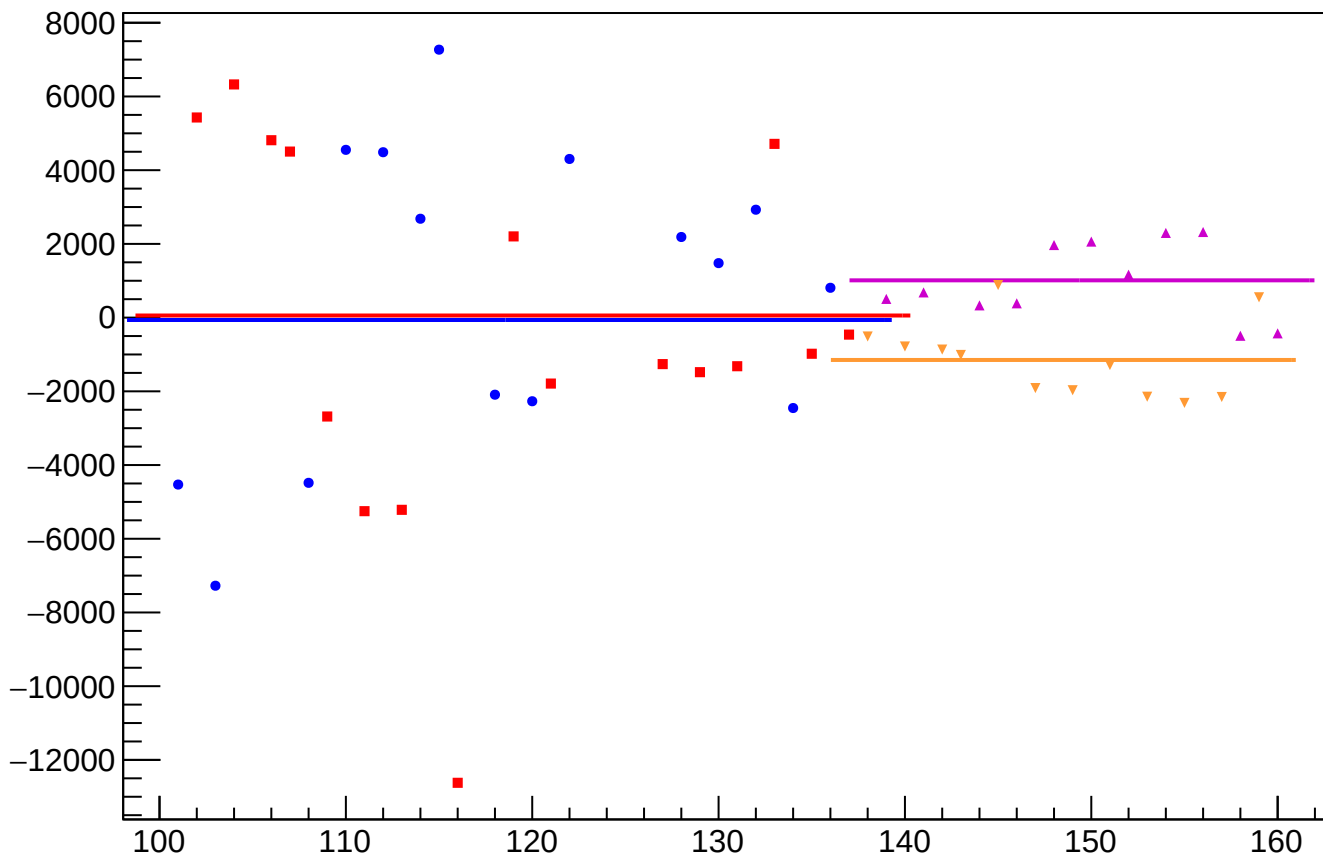
Right In: 775.824+/-0.000 χ^2/NDF : 641856726975740612716432458612629045248.0/14
 Left Out: 288.226+/-0.000 χ^2/NDF : 10607349218435095296400376728725225472.0/11
 Right Out: -627.315+/-0.000 χ^2/NDF : 297517676171111924966086193860621369344.0/15
 Left In: -296.514+/-0.000 χ^2/NDF : 17061879022016484064295210228444561408.0/10
 All: 23.637+/-0.000 χ^2/NDF : 1775565410854

dit_sam4_coil6_Ndata_mean vs Slug, Sign Corrected



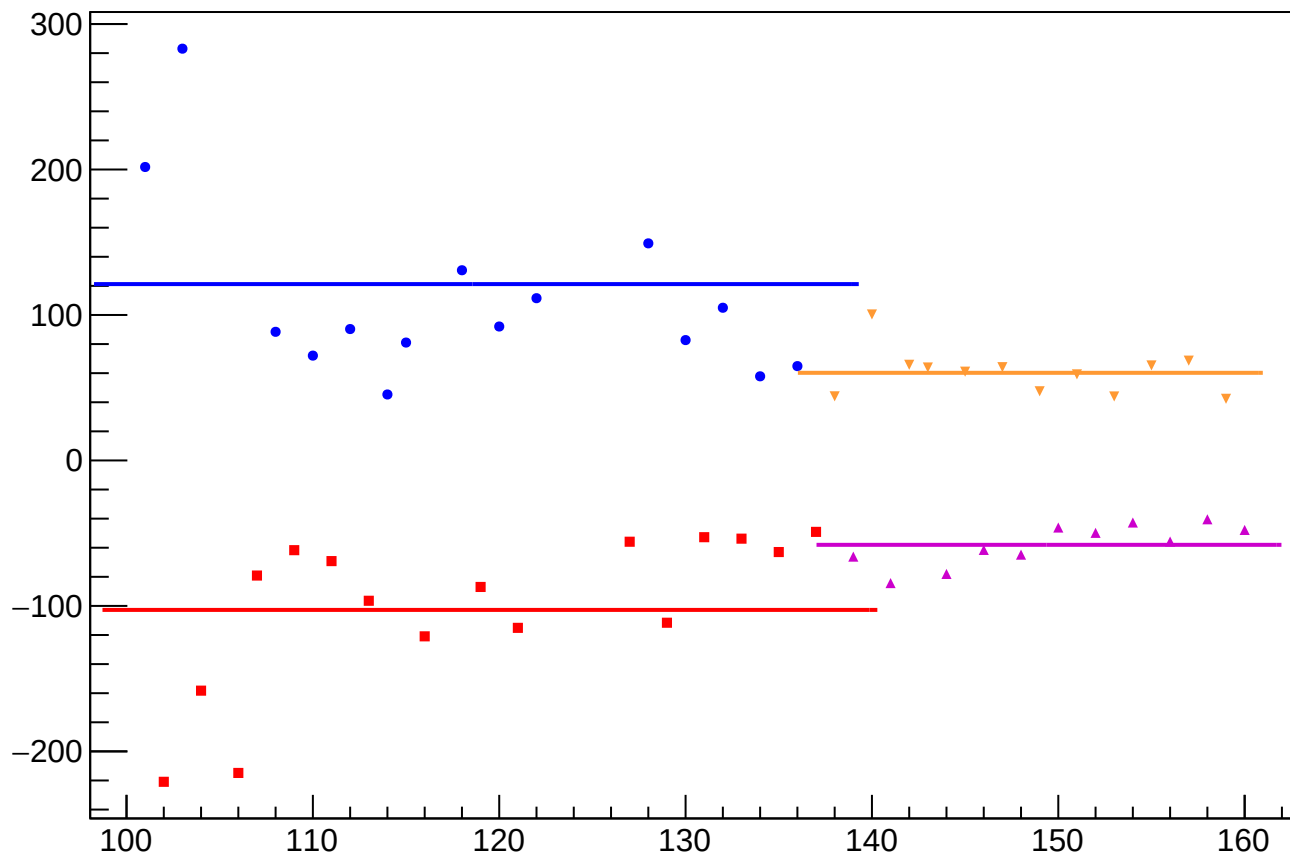
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam5_coil6_mean vs Slug, Sign Corrected



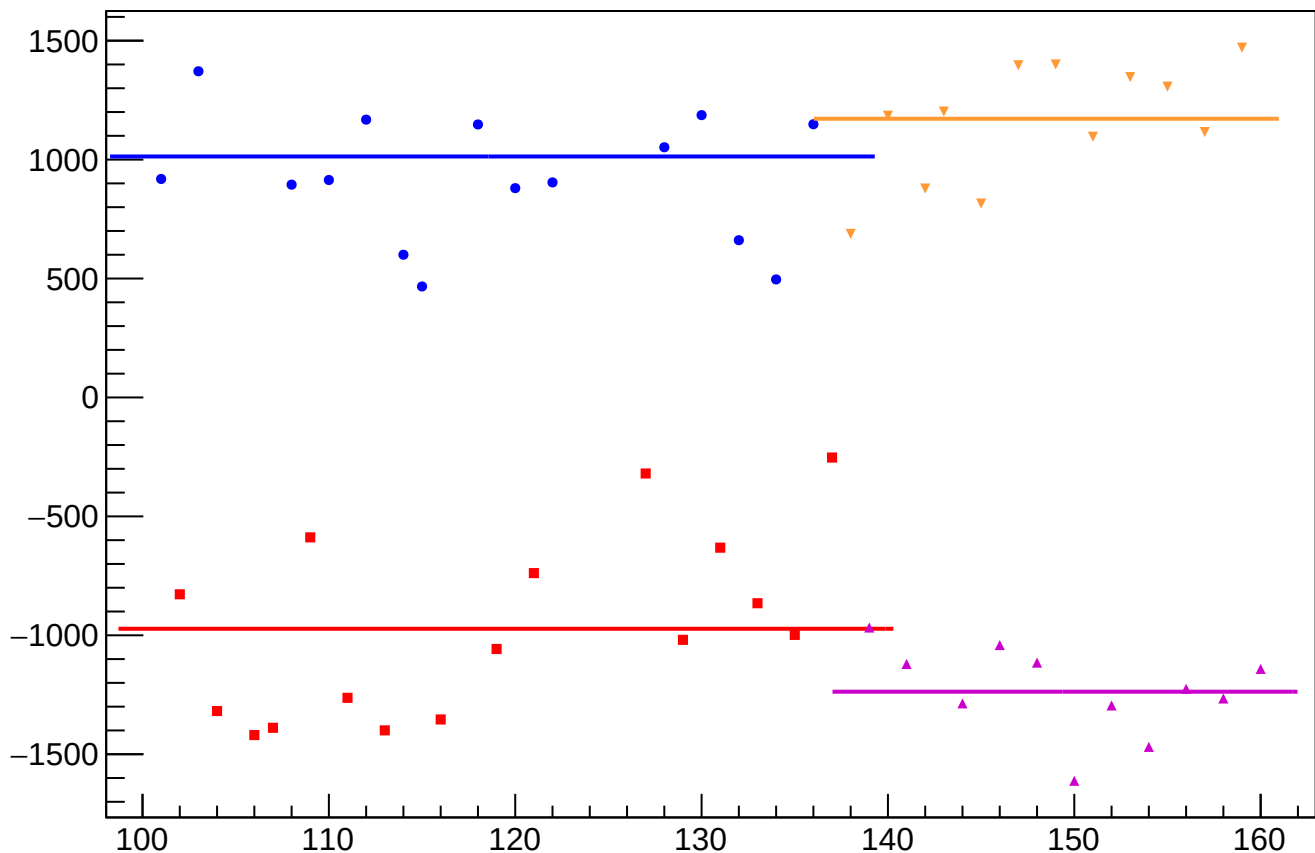
Right In: -64.751+/-0.000 χ^2/NDF : 9614223448851814191683817349989558910976.0/14
 Left Out: -1149.036+/-0.000 χ^2/NDF : 977384281251527862797157265716912586752.0/11
 Right Out: 57.229+/-0.000 χ^2/NDF : 13780958977008702301942505454387177979904.0/15
 Left In: 1011.284+/-0.000 χ^2/NDF : 903909408421874171739001543159795679232.0/10
 All: -37.934+/-0.000 χ^2/NDF : 274285540726

dit_sam5_coil6_err_mean vs Slug, Sign Corrected



Right In: 121.228+/-0.000 χ^2/NDF : 2723170857684362574800637594861305856.0/14
 Left Out: 60.239+/-0.000 χ^2/NDF : 225102554491032869548797845500329984.0/11
 Right Out: -102.749+/-0.000 χ^2/NDF : 1967668024846010333654427670555918336.0/15
 Left In: -58.011+/-0.000 χ^2/NDF : 177427701786540438757655027214450688.0/10
 All: 3.678+/-0.000 χ^2/NDF : 28056421642135

dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

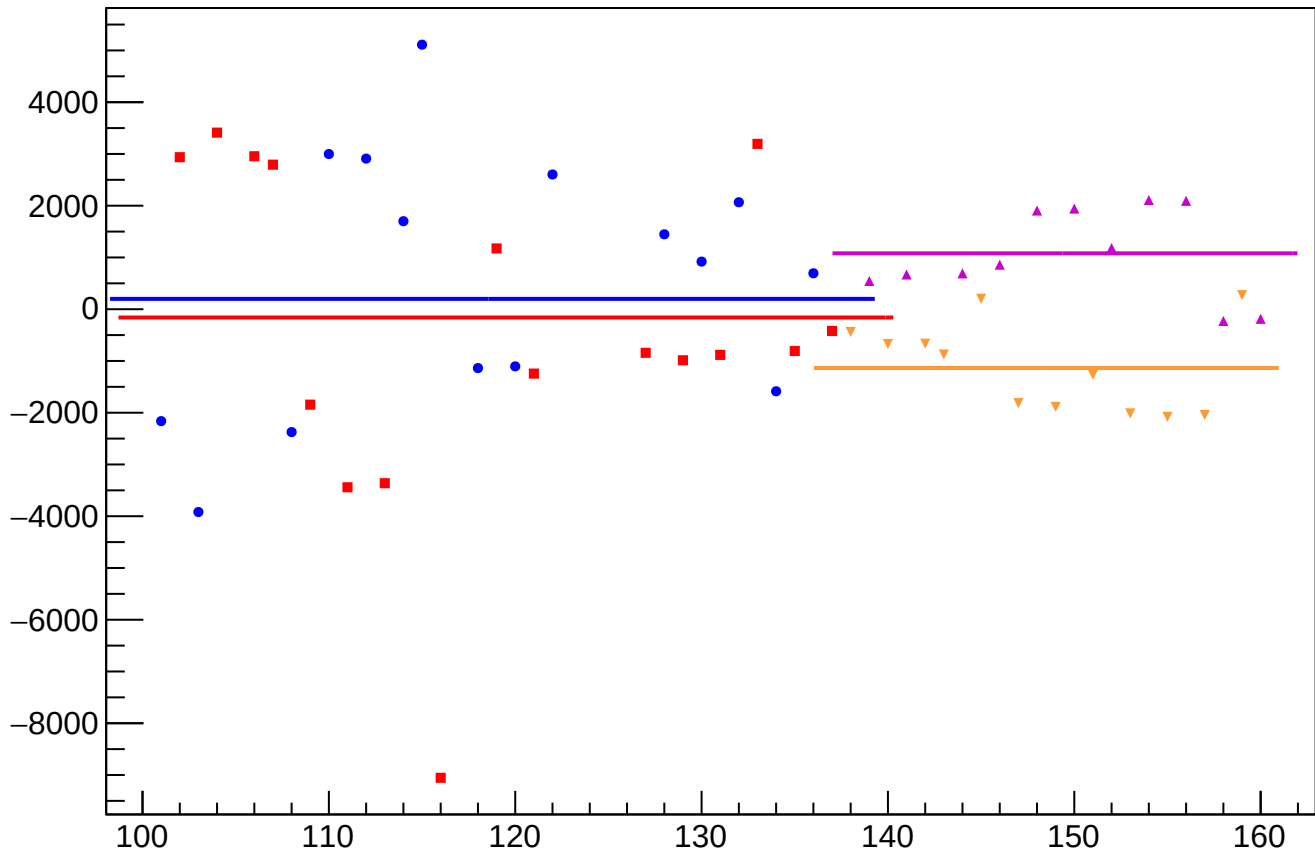
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam6_coil6_mean vs Slug, Sign Corrected



Right In: 199.503+/-0.000

χ^2/NDF : 3268159745923533825045181664876849790976.0/14

Left Out: -1135.455+/-0.000

χ^2/NDF : 654697592596579349133010058178925166592.0/11

Right Out: -160.512+/-0.000

χ^2/NDF : 5680576709461197901526729703706251493376.0/15

Left In: 1079.555+/-0.000

χ^2/NDF : 614734398575877452858032752710912049152.0/10

Left: -21.924+/-0.000 χ^2/NDF : 3523794568652633

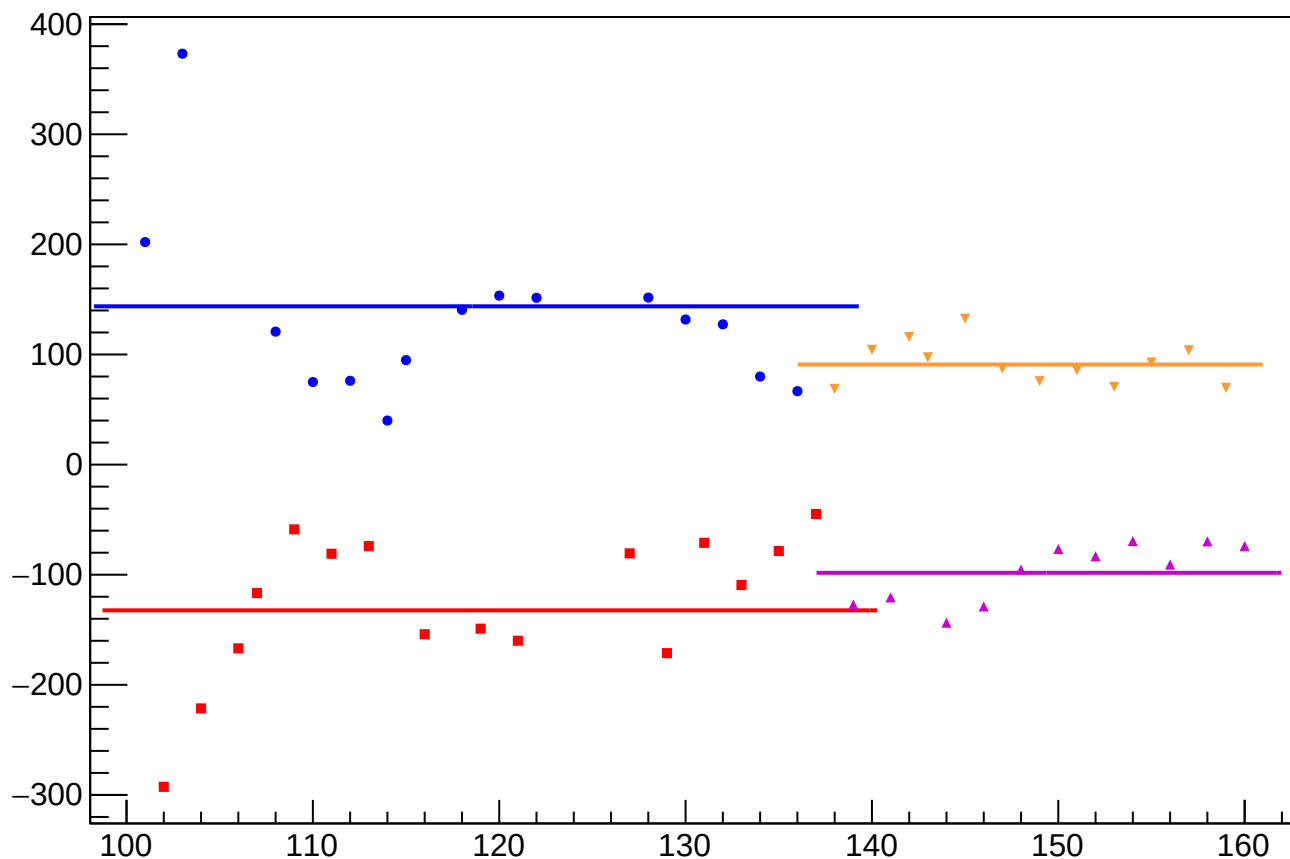
Right: 17.033+/-0.000 χ^2/NDF : 8991370549930185

In: 716.457+/-0.000 χ^2/NDF : 41781537377410598

Out: -724.141+/-0.000 χ^2/NDF : 670179463757753

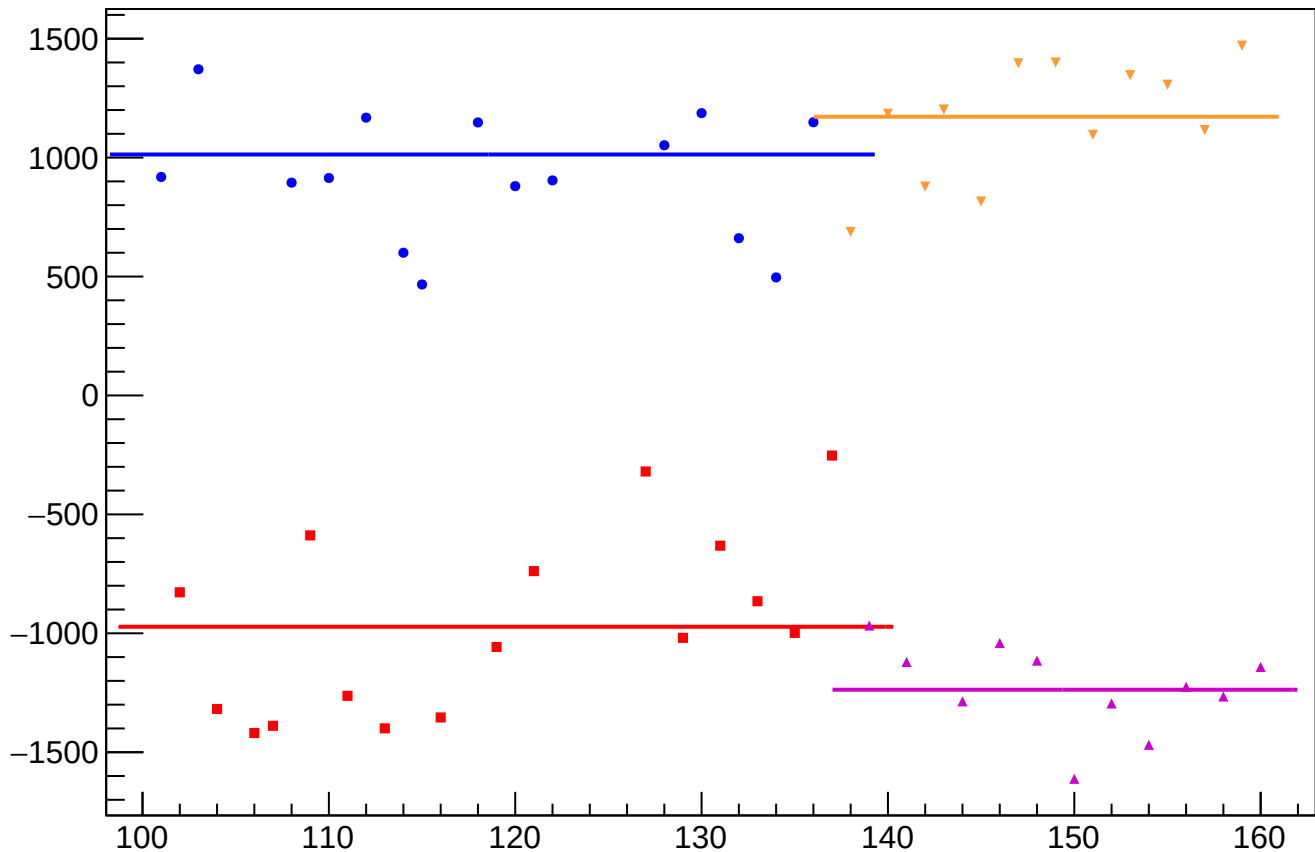
All: -5.669+/-0.000 χ^2/NDF : 1251632905272

dit_sam6_coil6_err_mean vs Slug, Sign Corrected



Left: -4.202+/-0.000 χ^2/NDF : 17384612750229045
 Right In: 143.764+/-0.000 χ^2/NDF : 4514785869565777849900508591821946880.0/14
 Right: 3.823+/-0.000 χ^2/NDF : 32765016379949297
 Left Out: 90.882+/-0.000 χ^2/NDF : 326242734851411629220497356388040704.0/11
 In: 1.598+/-0.000 χ^2/NDF : 2746595414560194970
 Right Out: -132.341+/-0.000 χ^2/NDF : 3174087908796245287682359914282352640.0/15
 Out: -3.293+/-0.000 χ^2/NDF : 22714212497857002
 Left In: -98.257+/-0.000 χ^2/NDF : 620993776773093393033369428470792192.0/10
 All: -0.854+/-0.000 χ^2/NDF : 5019902274084

dit_sam6_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

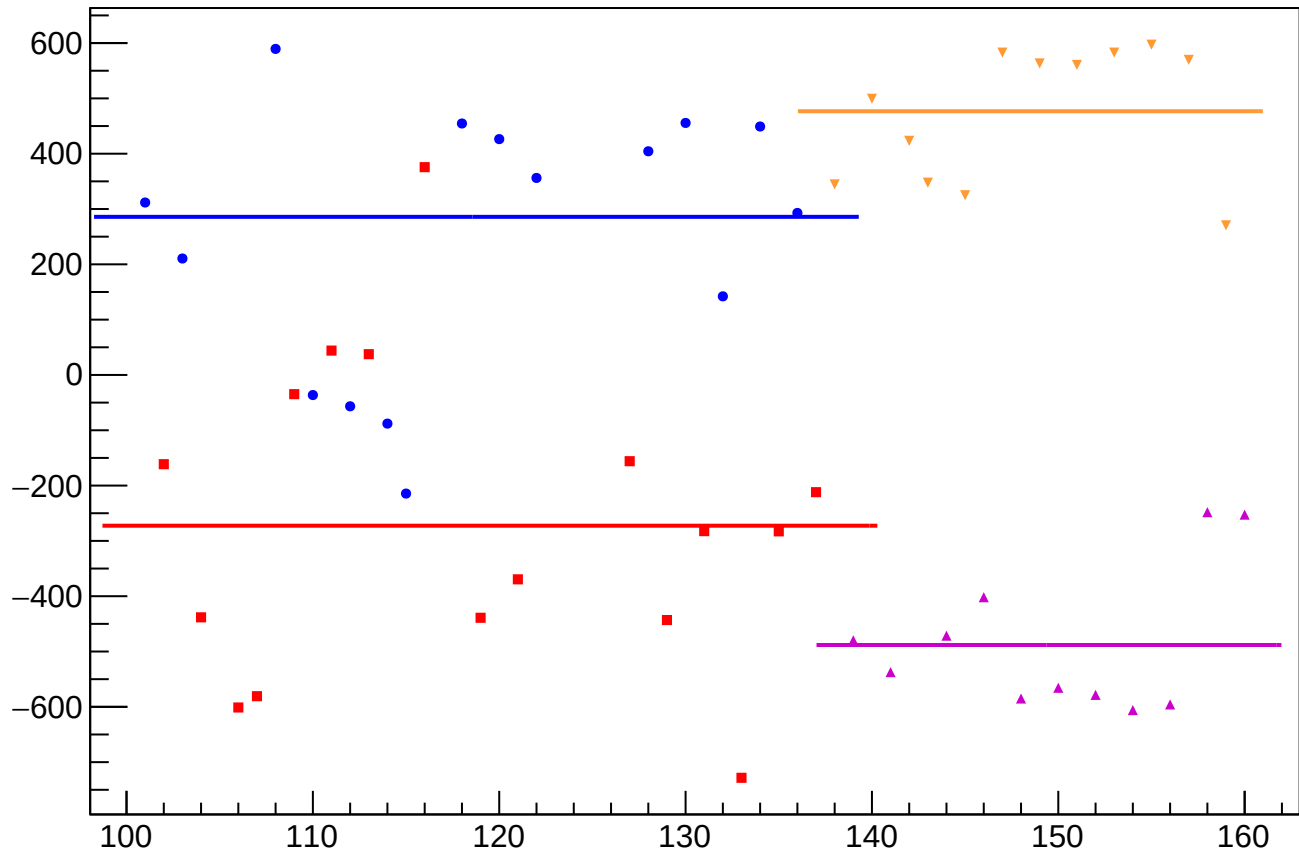
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

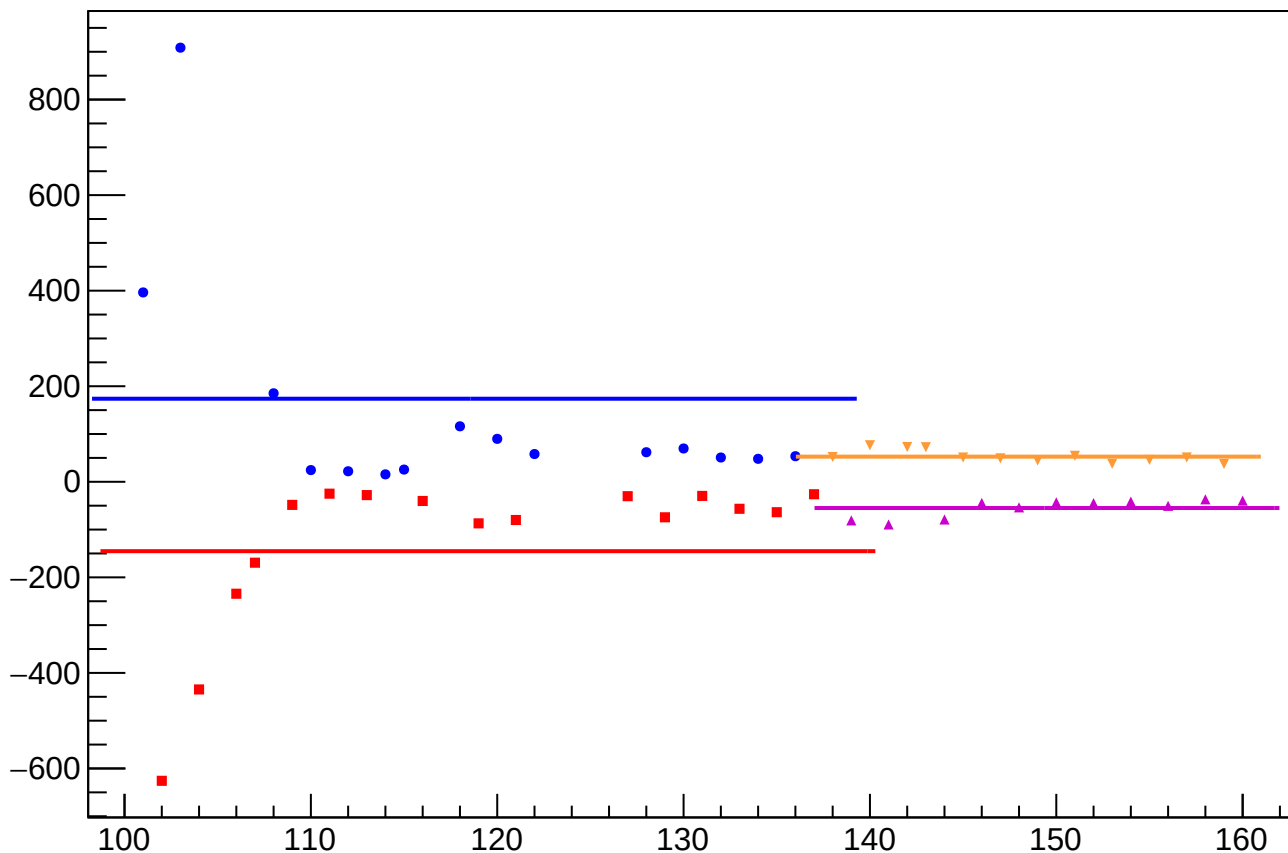
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam7_coil6_mean vs Slug, Sign Corrected



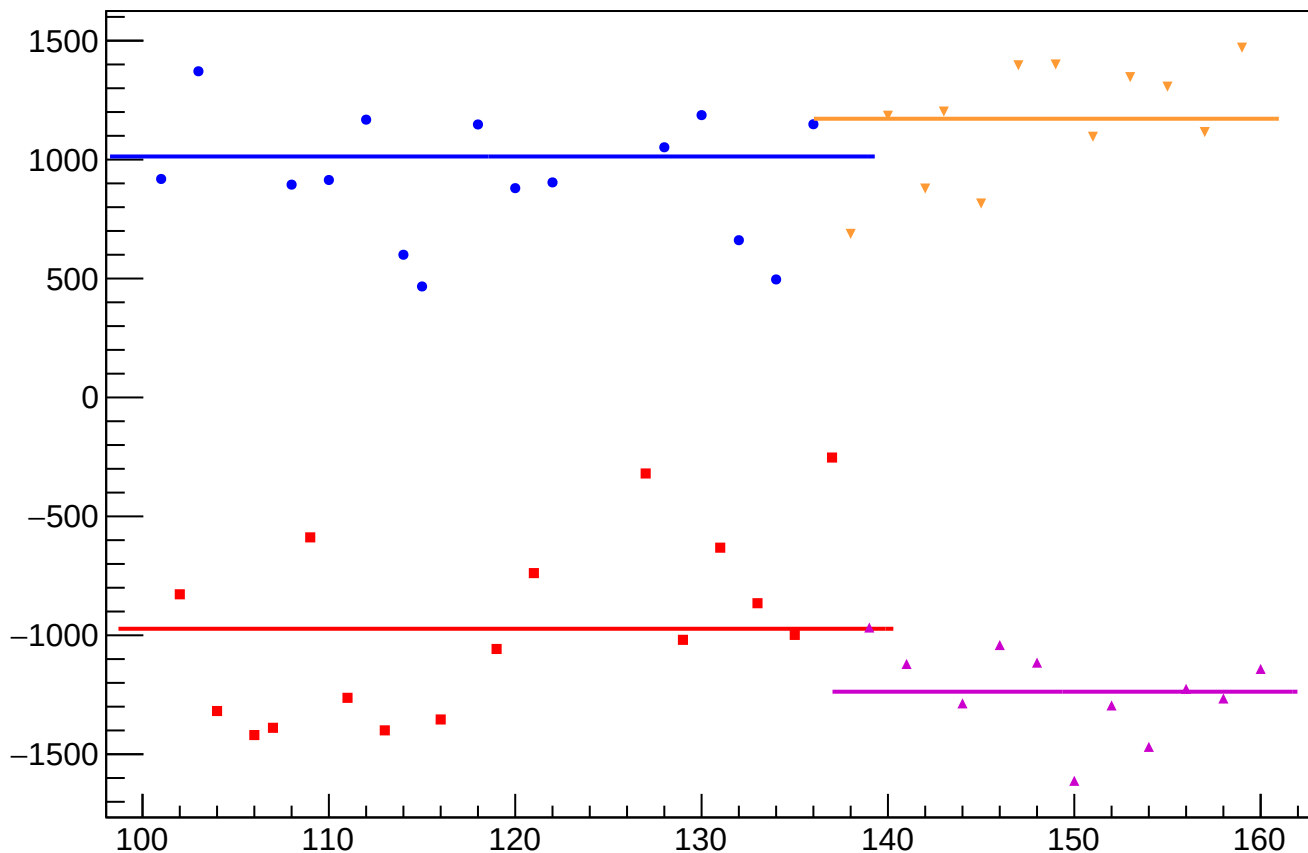
Right In: 285.856+/-0.000 χ^2/NDF : 24108244802355530064663311301086281728.0/14
 Left Out: 476.795+/-0.000 χ^2/NDF : 12695994824288000465906190934597435392.0/11
 Right Out: -272.539+/-0.000 χ^2/NDF : 44149952665075593650338713333575712768.0/15
 Left In: -488.203+/-0.000 χ^2/NDF : 13828831980358883653289432391973076992.0/10
 All: -3.669+/-0.000 χ^2/NDF : 6253273590333

dit_sam7_coil6_err_mean vs Slug, Sign Corrected



Right In: 173.871+/-0.000 χ^2/NDF : 41705473404466232613073704554990665728.0/14
 Left Out: 52.656+/-0.000 χ^2/NDF : 140159423385887976692066167541465088.0/11
 Right Out: -145.228+/-0.000 χ^2/NDF : 22529615719408594720785265744437837824.0/15
 Left In: -54.891+/-0.000 χ^2/NDF : 300358274506113612486338175884591104.0/10
 All: 4.243+/-0.000 χ^2/NDF : 10362485342555

dit_sam7_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

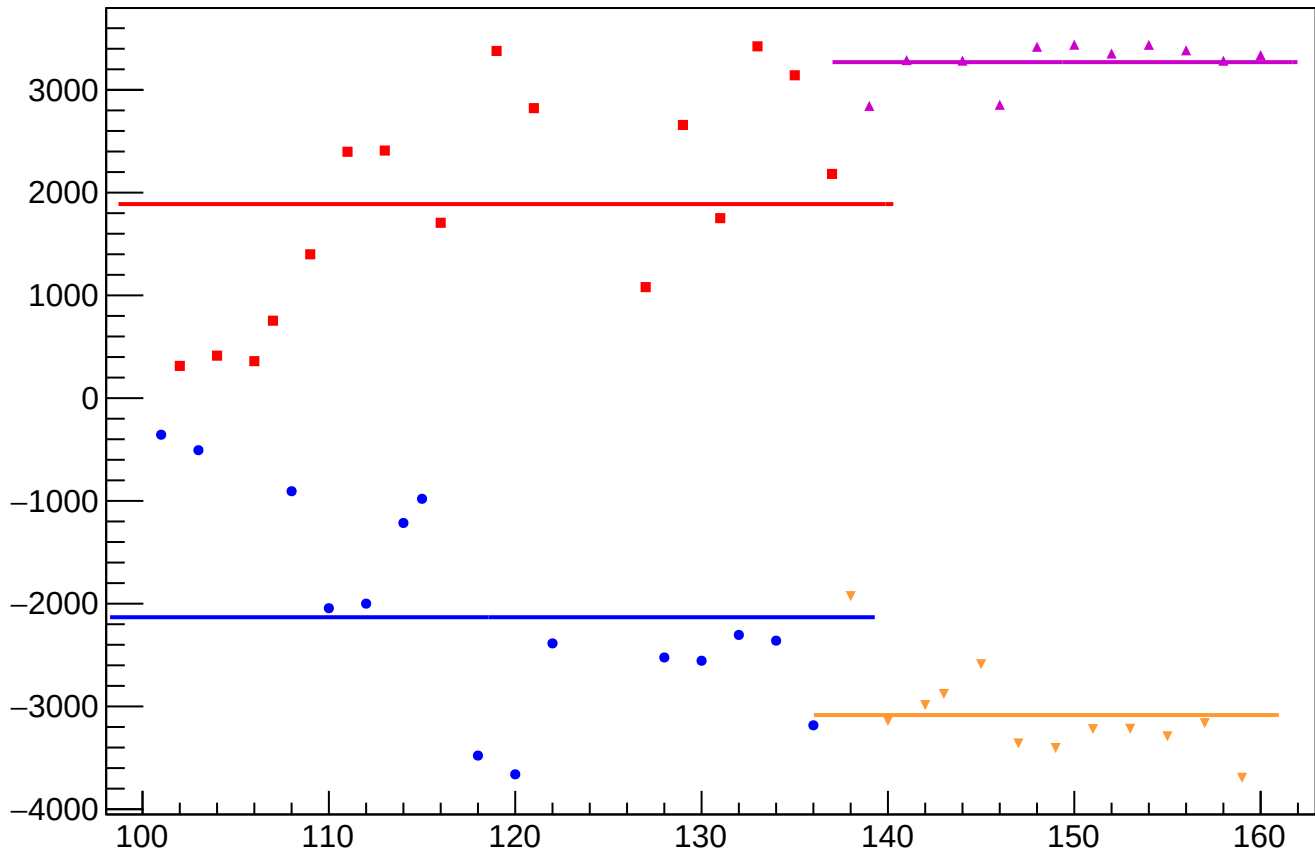
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam8_coil6_mean vs Slug, Sign Corrected



Right In: -2131.905+/-0.000

Left Out: -3083.729+/-0.000

Right Out: 1888.448+/-0.000

Left In: 3269.755+/-0.000

χ^2/NDF : 722433384570495071131450661983670501376.0/14

χ^2/NDF : 178322677856663824149309206068860026880.0/11

χ^2/NDF : 791986665551980691032719862611769819136.0/15

χ^2/NDF : 38098096180391062431092176239781216256.0/10

Left: 110.297+/-0.000 χ^2/NDF : 1876439765485971

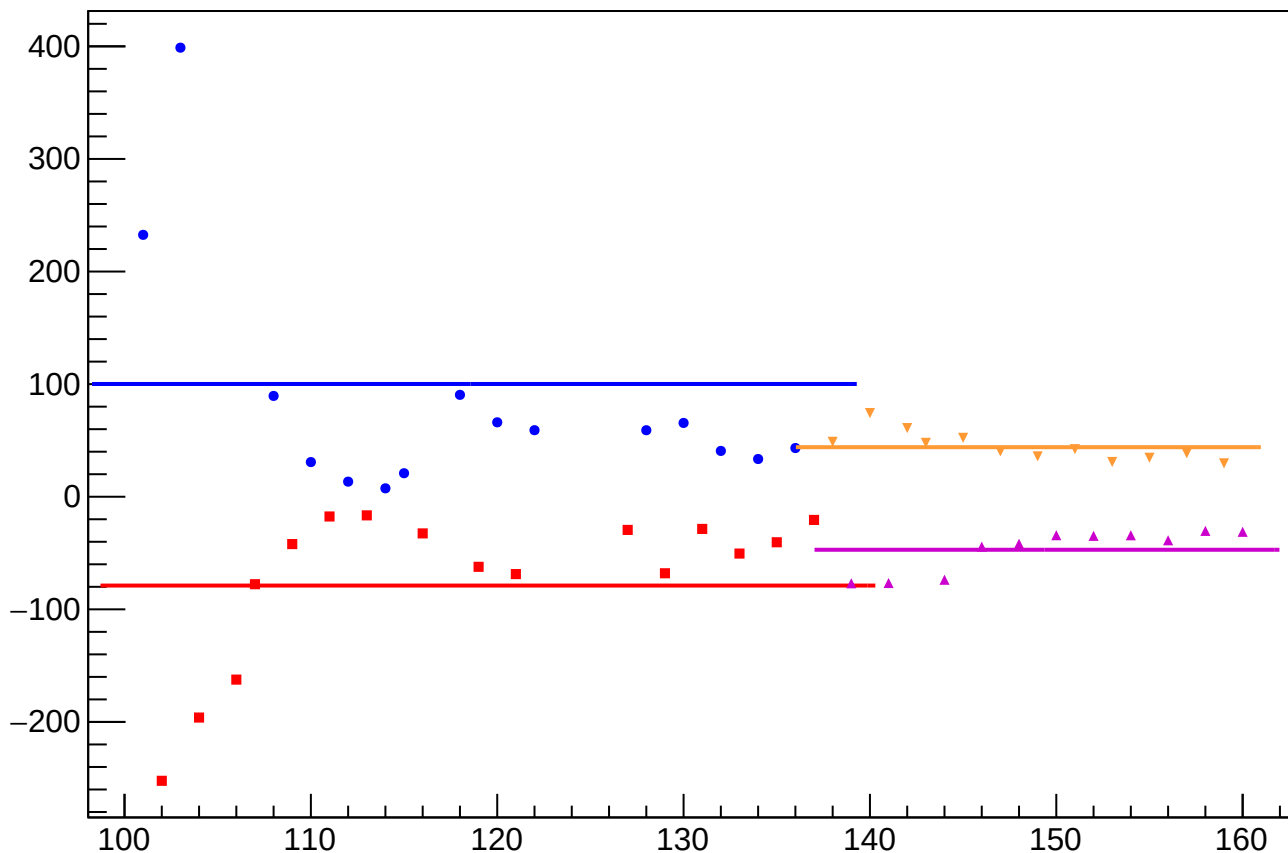
Right: -94.234+/-0.000 χ^2/NDF : 683113062504059

In: 1041.098+/-0.000 χ^2/NDF : 1188405782367471

Out: -986.042+/-0.000 χ^2/NDF : 105033900940683

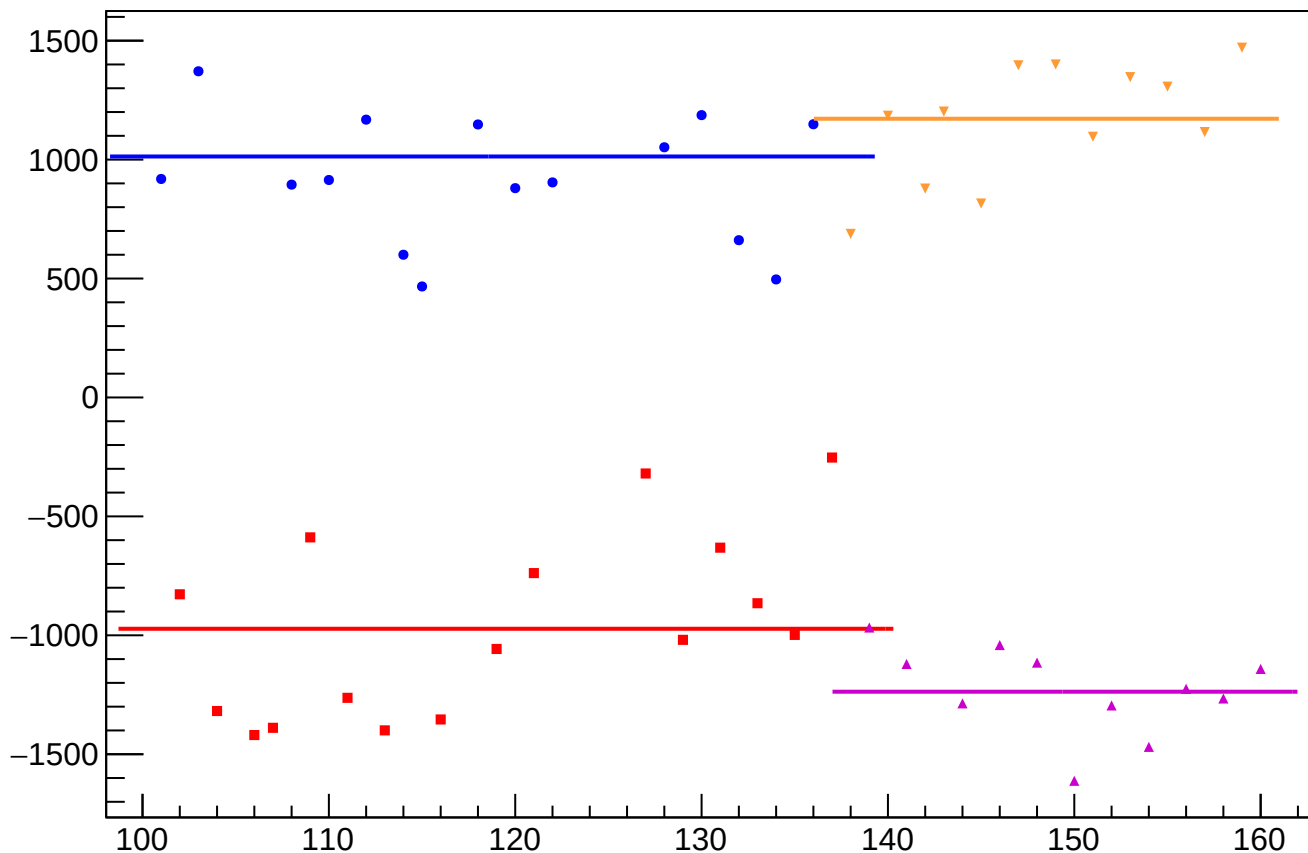
All: 24.957+/-0.000 χ^2/NDF : 2562760992420

dit_sam8_coil6_err_mean vs Slug, Sign Corrected



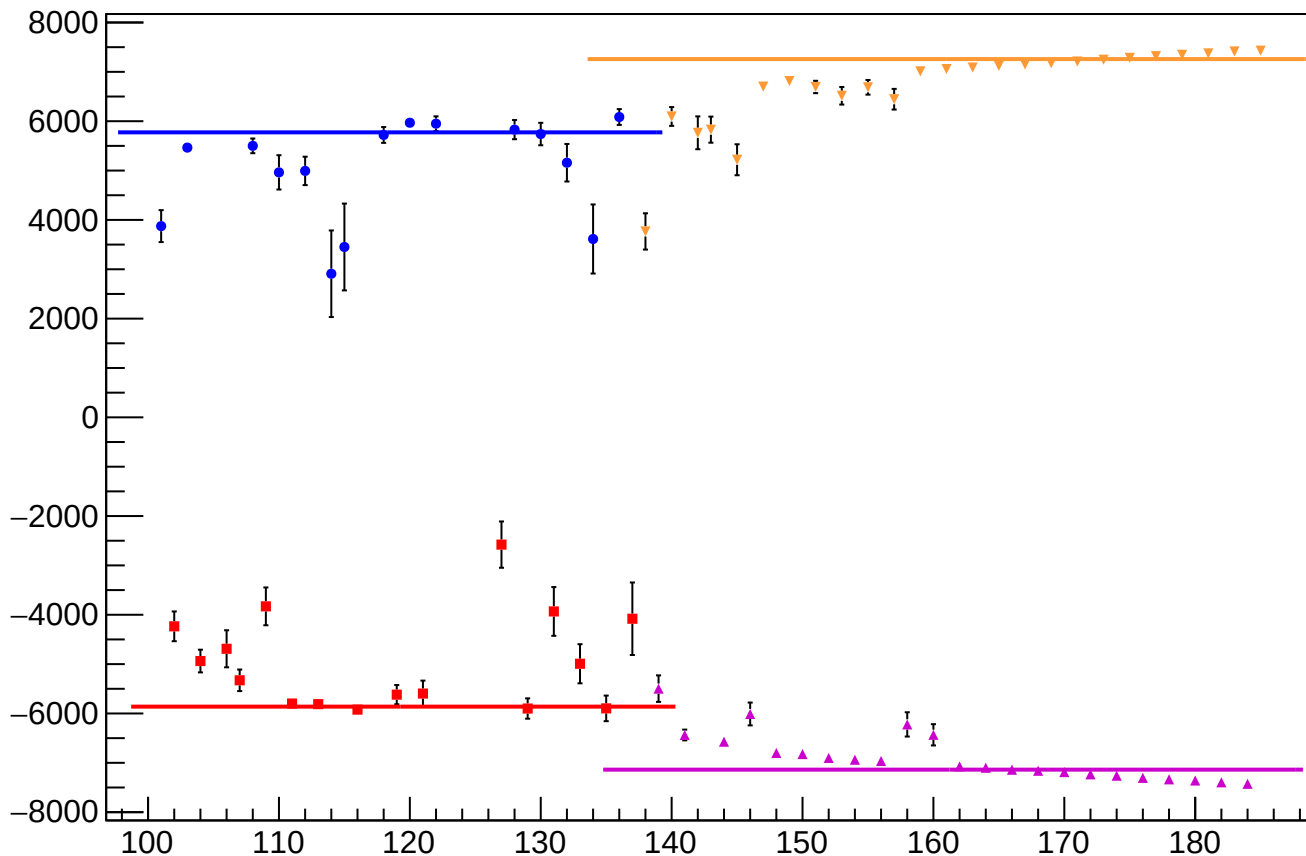
Right In: 100.135+/-0.000 χ^2/NDF : 7813910768784473081480373577053110272.0/14
 Left Out: 43.994+/-0.000 χ^2/NDF : 144038877087981194806470678002270208.0/11
 Right Out: -78.881+/-0.000 χ^2/NDF : 3525129078433901202304301512966275072.0/15
 Left In: -47.092+/-0.000 χ^2/NDF : 302550156086866534805447117402800128.0/10
 All: 2.876+/-0.000 χ^2/NDF : 26235515689479

dit_sam8_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_run_mean vs Slug, Sign Corrected



Right In: 5774.117+/-0.181 χ^2 /NDF: 1828526.5/14

Left Out: 7258.636+/-0.092 χ^2 /NDF: 4237941.4/24

Right Out: -5861.461+/-0.140 χ^2 /NDF: 180020.4/15

Left In: -7137.987+/-0.098 χ^2 /NDF: 4549121.8/22

Left: 544.300+/-0.067 χ^2 /NDF: 11467691043.9/47

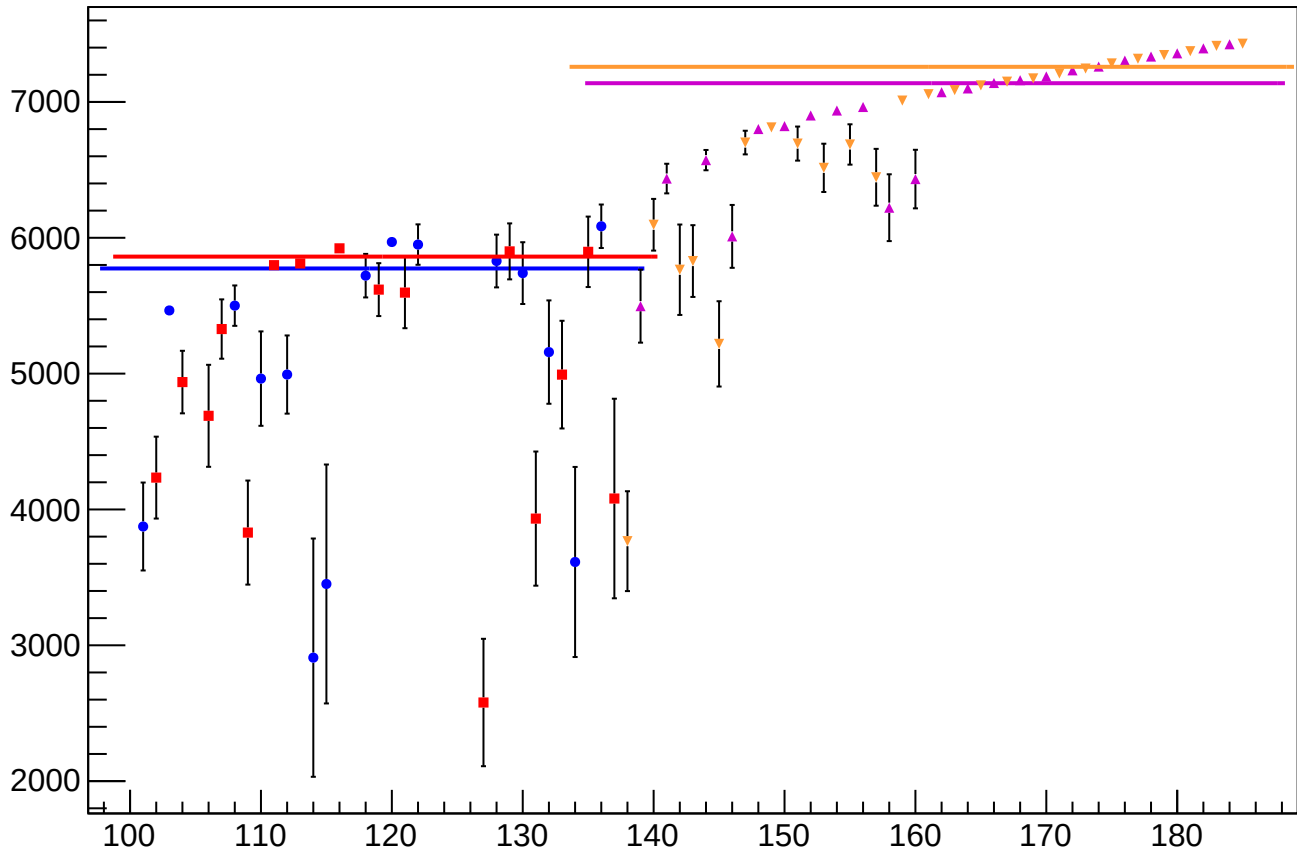
Right: -1536.191+/-0.111 χ^2 /NDF: 2585354230.9/30

In: -4211.004+/-0.086 χ^2 /NDF: 3922075931.5/37

Out: 3294.134+/-0.077 χ^2 /NDF: 6170438889.1/40

All: -15.116+/-0.057 χ^2 /NDF: 14311598667.5

dit_run_rms vs Slug, Sign Corrected



Right In: 5774.117+/-0.181 χ^2/NDF : 1828526.5/14

Left Out: 7258.636+/-0.092 χ^2/NDF : 4237941.4/24

Right Out: 5861.461+/-0.140 χ^2/NDF : 180020.4/15

Left In: 7137.987+/-0.098 χ^2/NDF : 4549121.8/22

Left: 7202.367+/-0.067 χ^2/NDF : 9591818.2/47

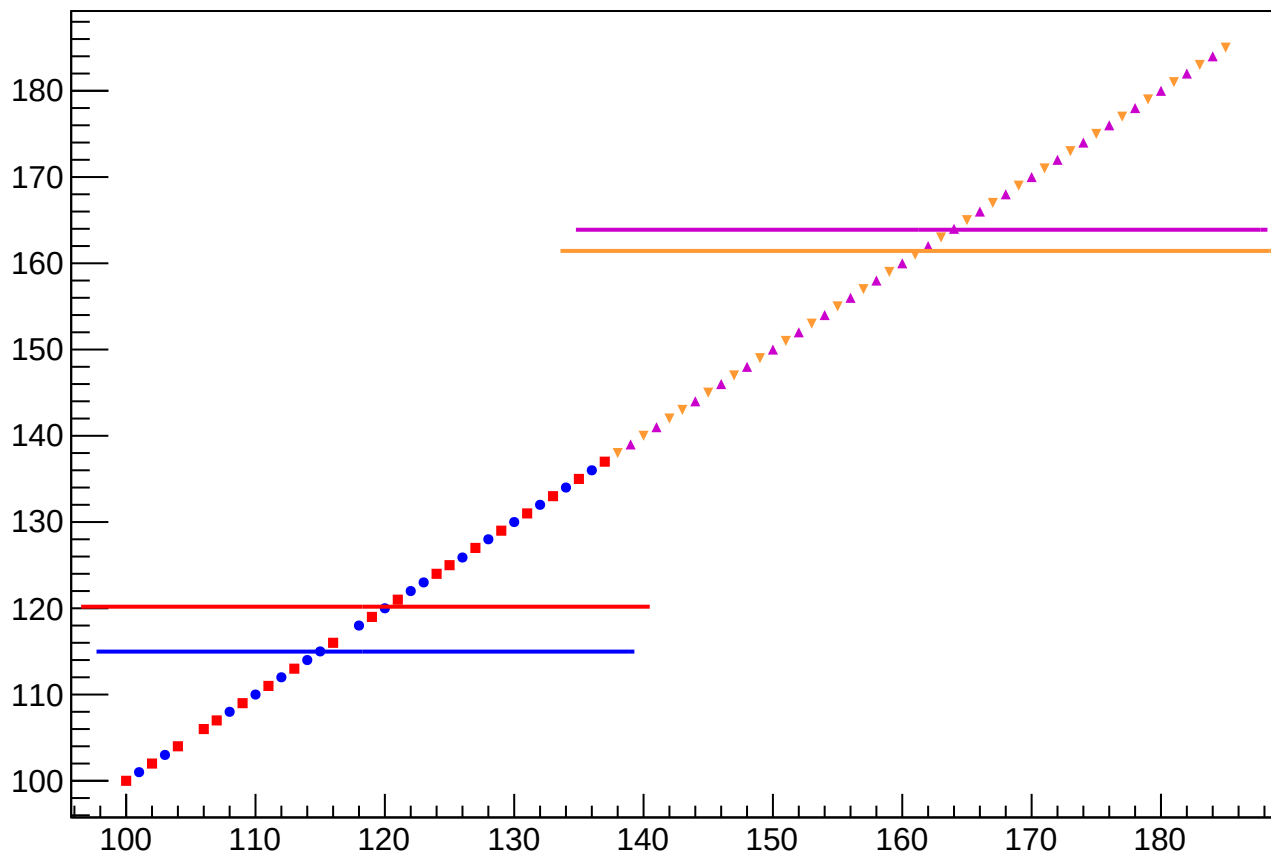
Right: 5828.993+/-0.111 χ^2/NDF : 2154118.4/30

In: 6828.818+/-0.086 χ^2/NDF : 50065585.8/37

Out: 6836.451+/-0.077 χ^2/NDF : 74342923.0/40

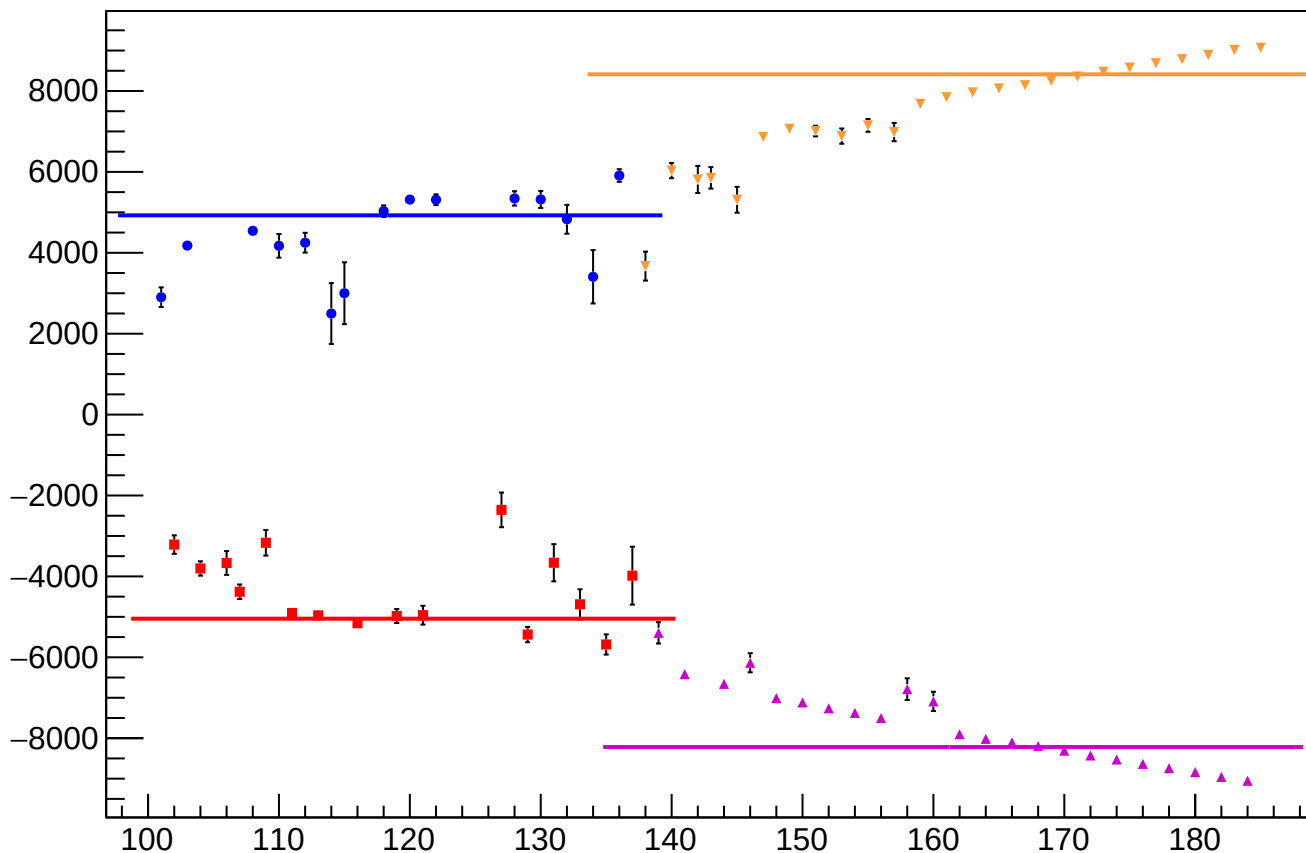
All: 6833.085+/-0.057 χ^2/NDF : 124412873.1

dit_slug_slope vs Slug, Sign Corrected



Right In: 114.980+/-0.000 χ^2/NDF : 112344936246012934714934440230912.0/16
 Left Out: 161.437+/-0.000 χ^2/NDF : 144351415086772086919986205949952.0/24
 Right Out: 120.186+/-0.000 χ^2/NDF : 52233253644261695528198041763840.0/18
 Left In: 163.890+/-0.000 χ^2/NDF : 206308926090069183709360387260416.0/22
 All: 139.110+/-0.000 χ^2/NDF : 303874307424

dit_cyclenum_mean vs Slug, Sign Corrected



Right In: 4925.305 ± 0.939 $\chi^2/\text{NDF}: 330994.6/14$

Left Out: 8412.753 ± 0.396 $\chi^2/\text{NDF}: 2106465.3/24$

Right Out: -5045.221 ± 0.668 $\chi^2/\text{NDF}: 30179.9/15$

Left In: -8217.639 ± 0.381 $\chi^2/\text{NDF}: 2974101.4/22$

Left: -221.056 ± 0.274 $\chi^2/\text{NDF}: 921962342.7/47$

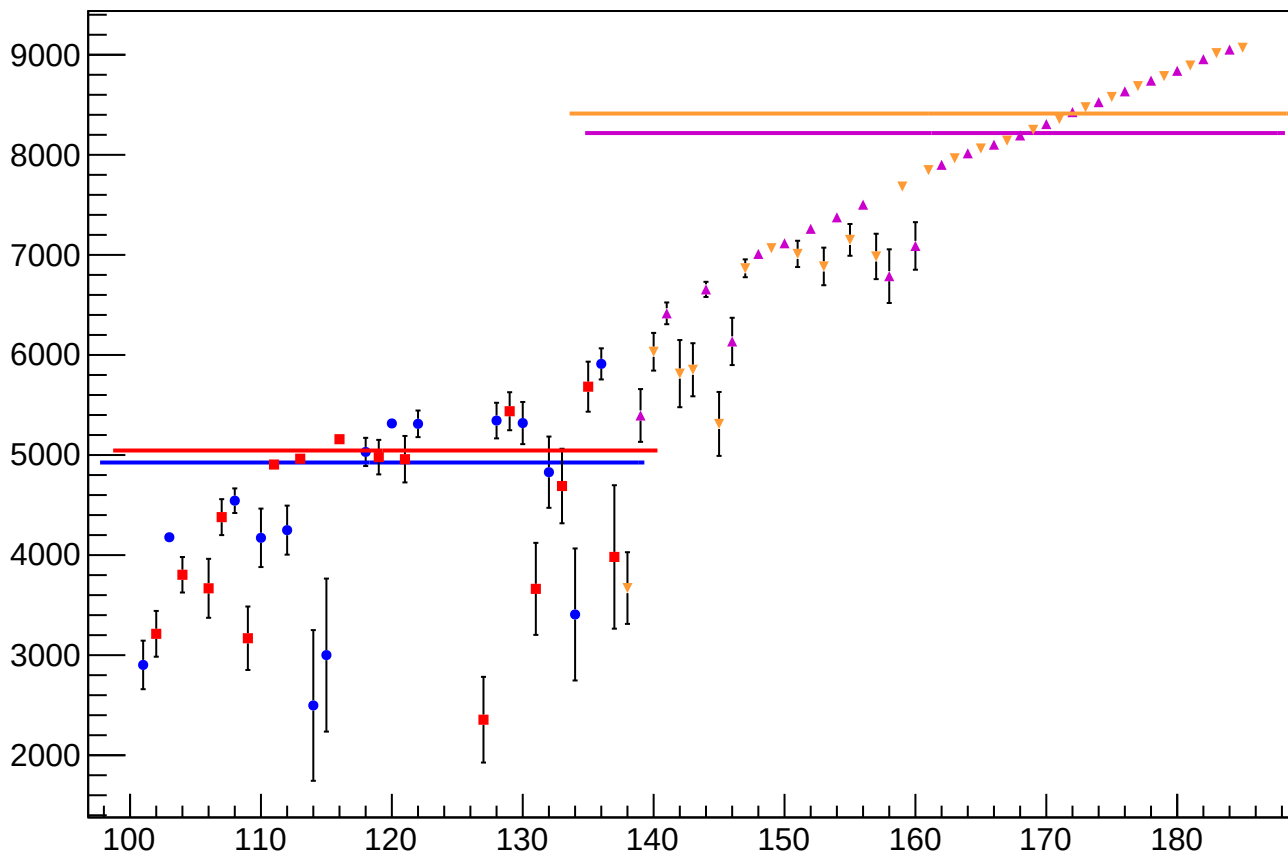
Right: -1694.510 ± 0.544 $\chi^2/\text{NDF}: 75266282.5/30$

In: -6360.026 ± 0.353 $\chi^2/\text{NDF}: 171632346.5/37$

Out: 4915.430 ± 0.340 $\chi^2/\text{NDF}: 302691560.4/40$

All: -519.775 ± 0.245 $\chi^2/\text{NDF}: 1003073907.0/100$

dit_cyclenum_rms vs Slug, Sign Corrected



Right In: 4925.305 $\pm$ 0.939 χ^2 /NDF: 330994.6/14

Left Out: 8412.753 $\pm$ 0.396 χ^2 /NDF: 2106465.3/24

Right Out: 5045.221 $\pm$ 0.668 χ^2 /NDF: 30179.9/15

Left In: 8217.639 $\pm$ 0.381 χ^2 /NDF: 2974101.4/22

Left: 8311.458 $\pm$ 0.274 χ^2 /NDF: 5206774.3/47

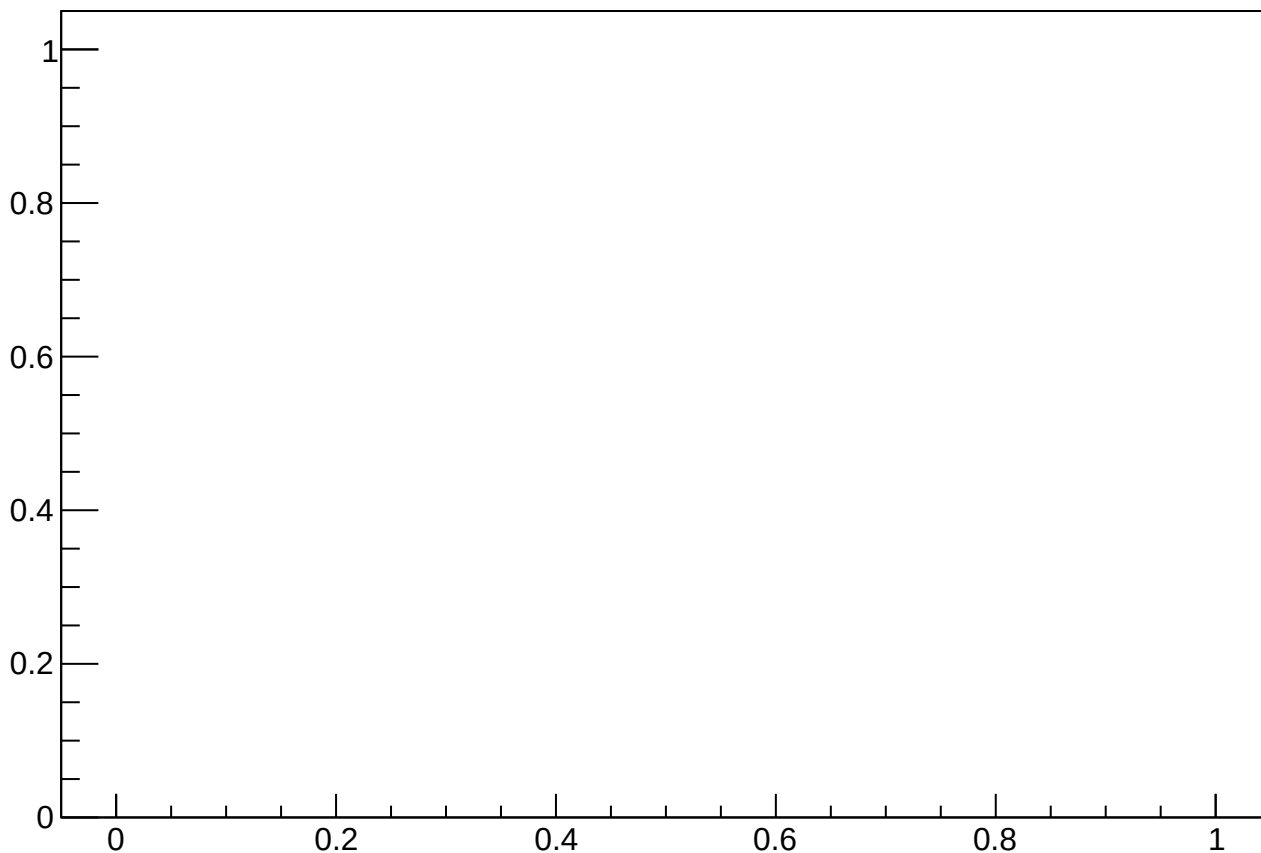
Right: 5004.922 $\pm$ 0.544 χ^2 /NDF: 372009.4/30

In: 7752.303 $\pm$ 0.353 χ^2 /NDF: 13867841.6/37

Out: 7537.633 $\pm$ 0.340 χ^2 /NDF: 20955273.2/40

All: 7641.112 $\pm$ 0.245 χ^2 /NDF: 35014772.5/71

dit_scandata1_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata1_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

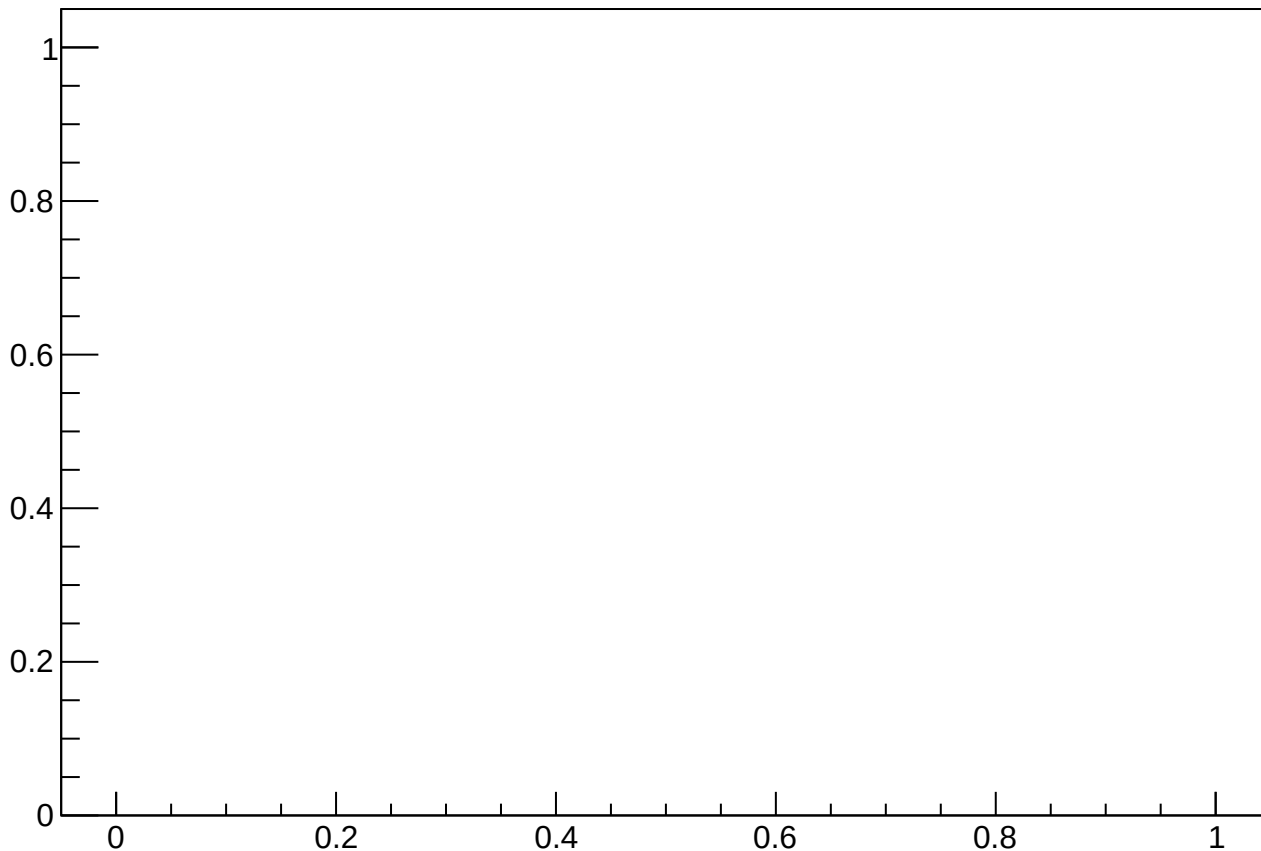
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_rms vs Slug, Sign Corrected



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

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

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

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

Left: 0.000+/-0.000 χ^2 /NDF: 0.0/0

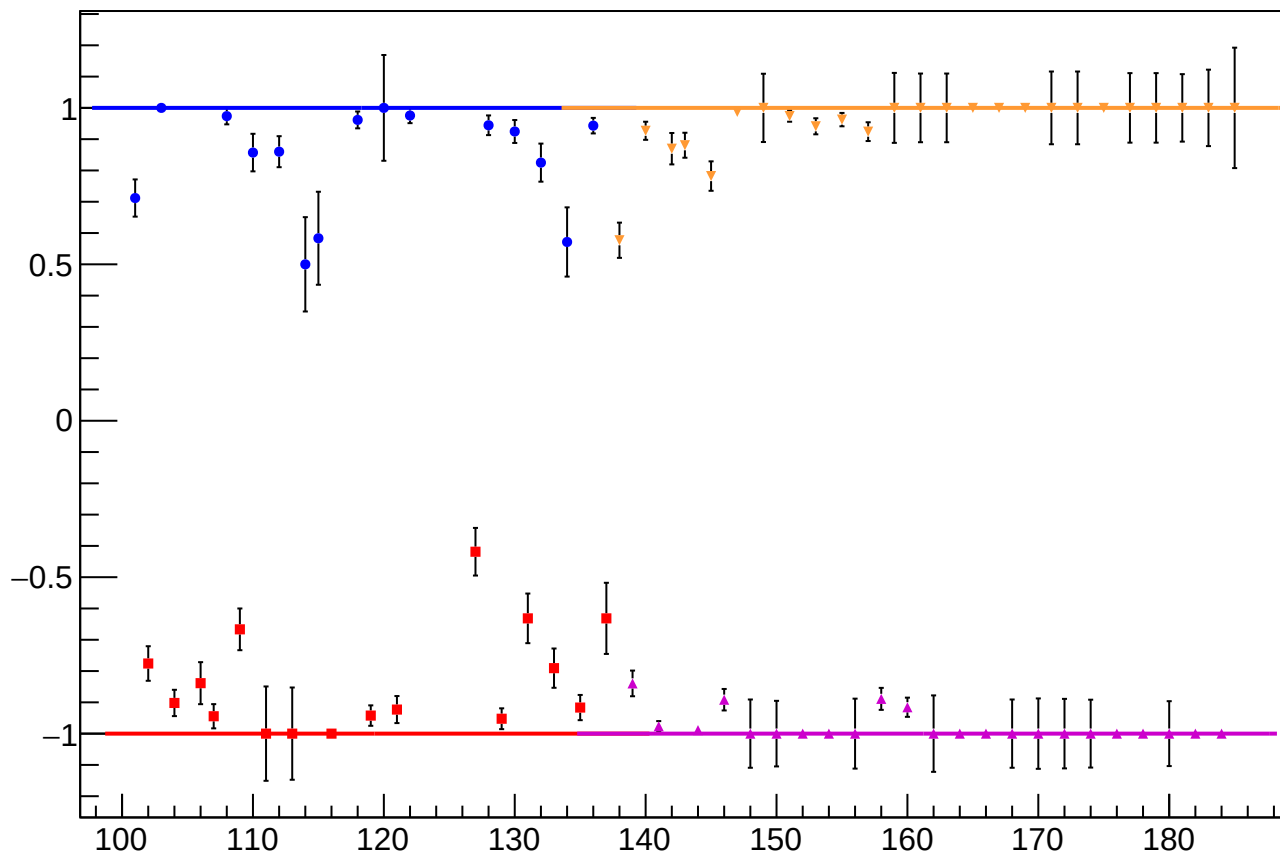
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 0.000+/-0.000 χ^2 /NDF:0.0/0

Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

All: 0.000+/-0.000 χ^2 /NDF: 0.0/0

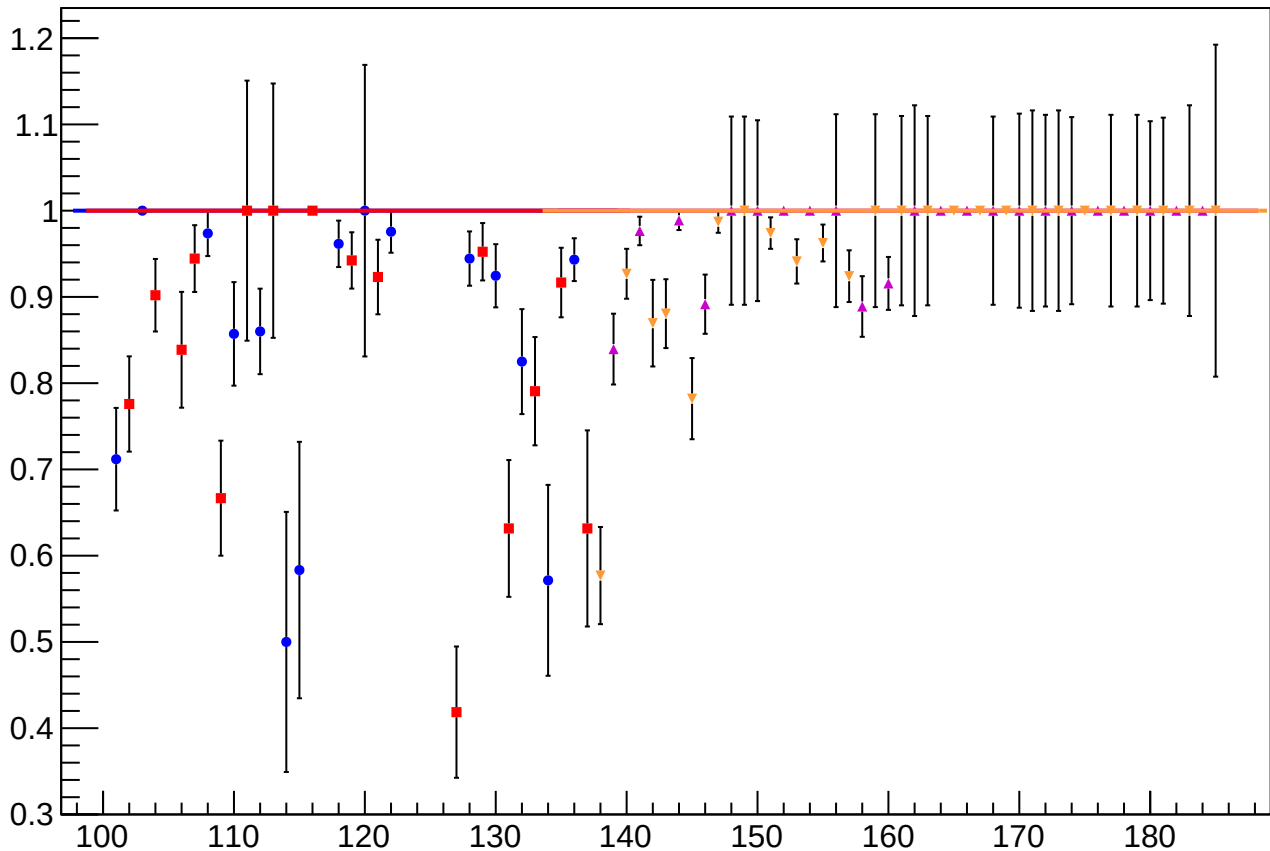
dit_flag_mean vs Slug, Sign Corrected



Right In: 1.000 ± 0.000 $\chi^2/\text{NDF}: 95.9/14$
 Left Out: 1.000 ± 0.000 $\chi^2/\text{NDF}: 1596.8/24$
 Right Out: -1.000 ± 0.000 $\chi^2/\text{NDF}: 168.9/15$
 Left In: -1.000 ± 0.000 $\chi^2/\text{NDF}: 385.6/22$

Left: -0.308 ± 0.000 $\chi^2/\text{NDF}: 25106005466555206$
 Right: 0.398 ± 0.000 $\chi^2/\text{NDF}: 14173250084479480$
 In: -0.878 ± 0.000 $\chi^2/\text{NDF}: 441913906621430577$
 Out: 0.900 ± 0.000 $\chi^2/\text{NDF}: 192642163504562978$
 All: -0.268 ± 0.000 $\chi^2/\text{NDF}: 2731457681481$

dit_flag_rms vs Slug, Sign Corrected



Right In: 1.000+/-0.000 χ^2/NDF : 95.9/14

Left Out: 1.000+/-0.000 χ^2/NDF :1596.8/24

Right Out: 1.000+/-0.000 χ^2/NDF : 168.9/15

Left In: 1.000+/-0.000 χ^2/NDF :385.6/22

Left: 1.000+/-0.000 χ^2/NDF : 802.6/47

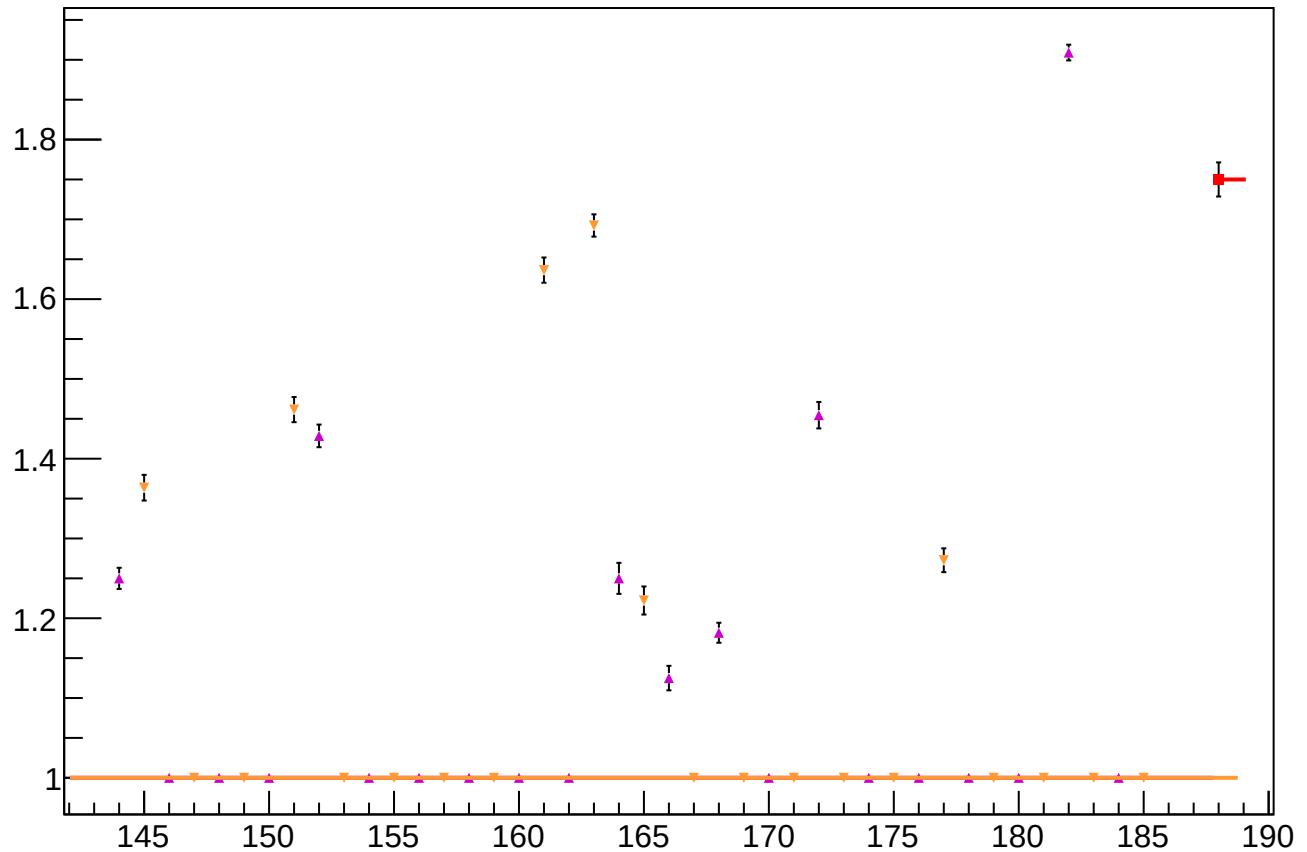
Right: 1.000+/-0.000 χ^2/NDF : 347.8/30

In: 1.000+/-0.000 χ^2/NDF :746.7/37

Out: 1.000+/-0.000 χ^2/NDF :607.7/40

All: 1.000+/-0.000 χ^2/NDF : 1354.4/78

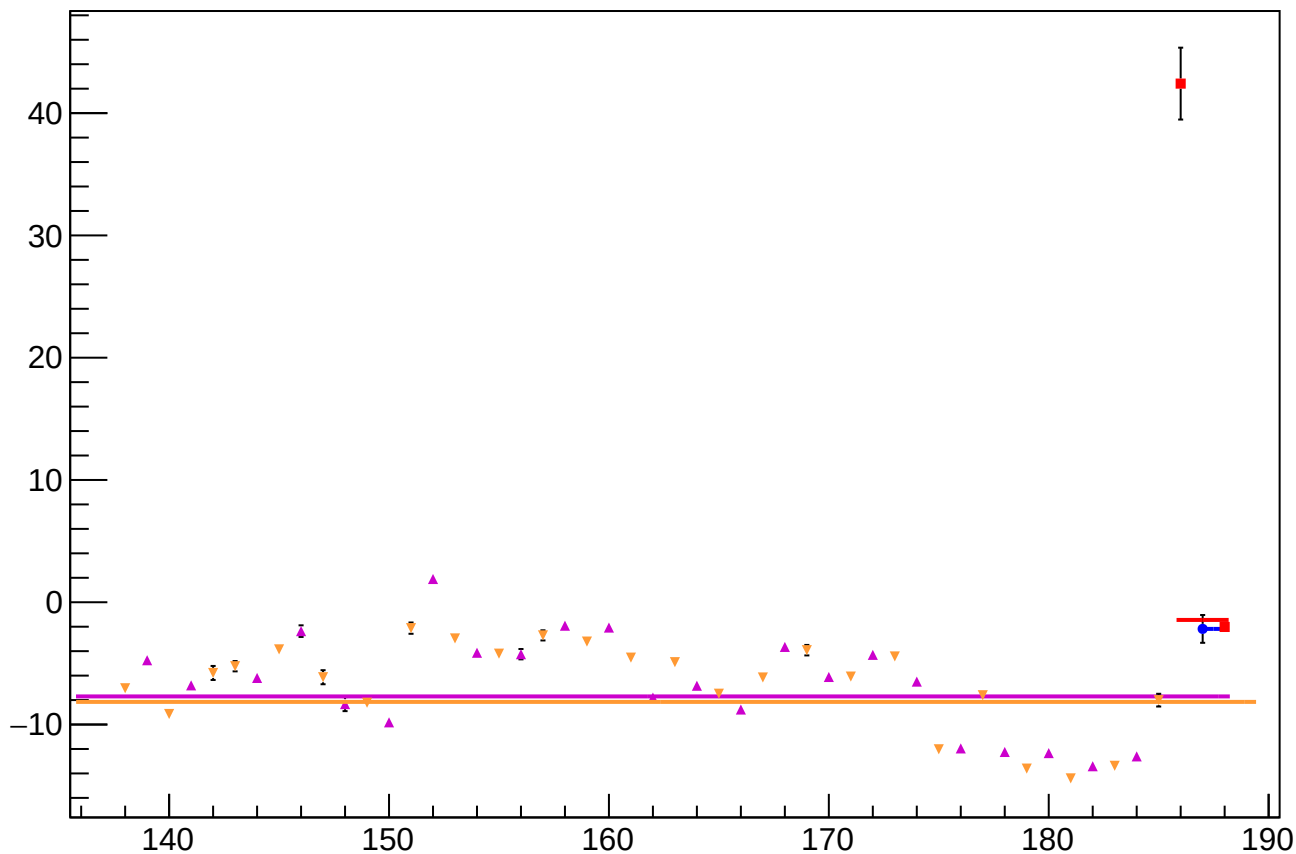
dit_segment_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 1.000+/-0.000 χ^2/NDF :18616.2/20
Right Out: 1.750+/-0.021 χ^2/NDF : 0.0/0
Left In: 1.000+/-0.000 χ^2/NDF :12089.0/20

Left: 1.000+/-0.000 χ^2/NDF : 19113.7/41
Right: 1.750+/-0.021 χ^2/NDF : 0.0/0
In: 1.000+/-0.000 χ^2/NDF :12089.0/20
Out: 1.000+/-0.000 χ^2/NDF :19846.7/21
All: 1.000+/-0.000 χ^2/NDF : 20344.2/42

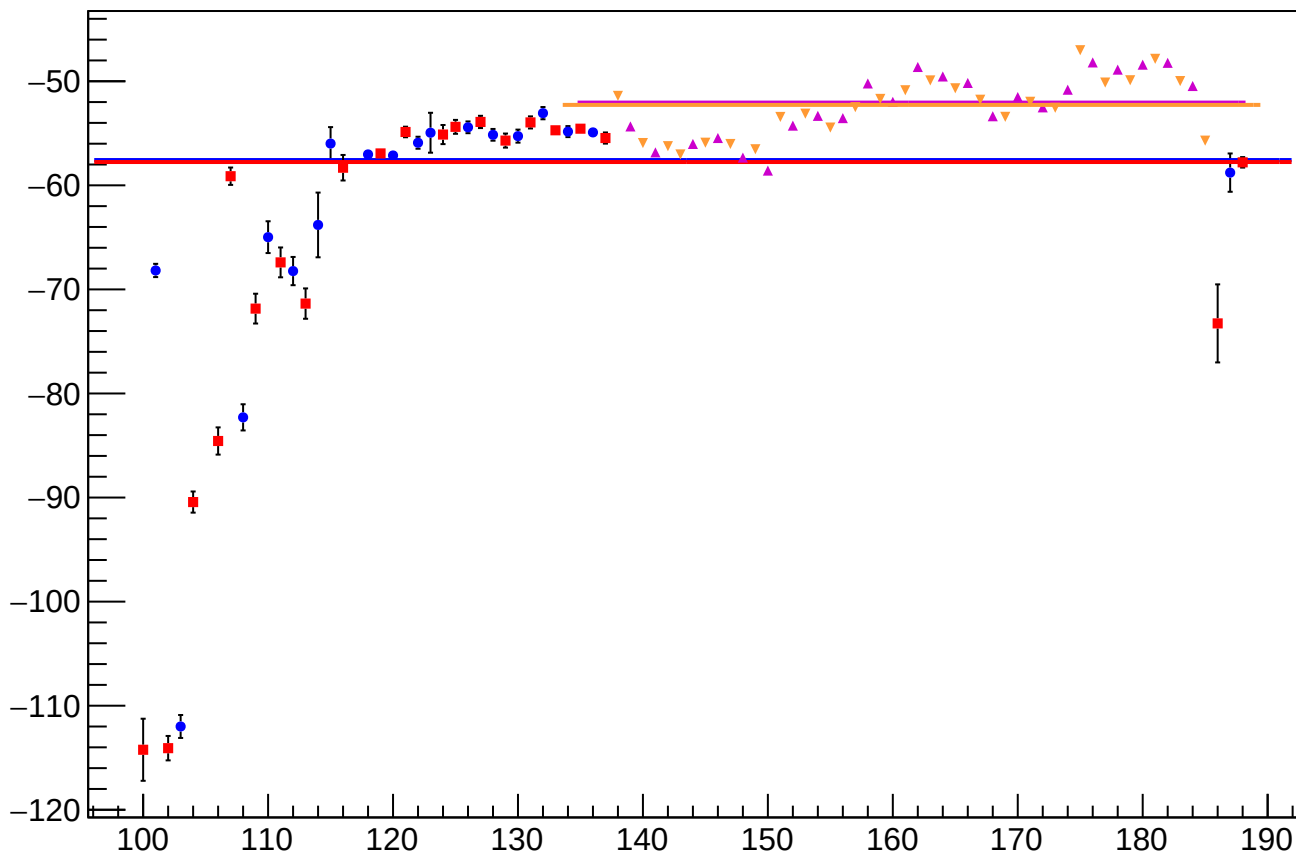
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.180 ± 1.137 χ^2/NDF : 0.0/0
 Left Out: -8.149 ± 0.068 χ^2/NDF : 3613.1/24
 Right Out: -1.447 ± 0.334 χ^2/NDF : 225.6/1
 Left In: -7.701 ± 0.068 χ^2/NDF : 3737.2/22

Left: -7.928 ± 0.048 χ^2/NDF : 7372.0/47
 Right: -1.505 ± 0.320 χ^2/NDF : 226.0/2
 In: -7.682 ± 0.068 χ^2/NDF : 3760.8/23
 Out: -7.886 ± 0.066 χ^2/NDF : 4225.9/26
 All: -7.787 ± 0.048 χ^2/NDF : 7991.2/50

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.570 $\pm$ 0.141 χ^2 /NDF: 3456.4/17

Left Out: -52.271 $\pm$ 0.055 χ^2 /NDF:2609.6/24

Right Out: -57.761 $\pm$ 0.137 χ^2 /NDF: 4715.6/20

Left In: -52.050 $\pm$ 0.057 χ^2 /NDF:3197.5/22

Left: -52.164 $\pm$ 0.040 χ^2 /NDF: 5814.9/47

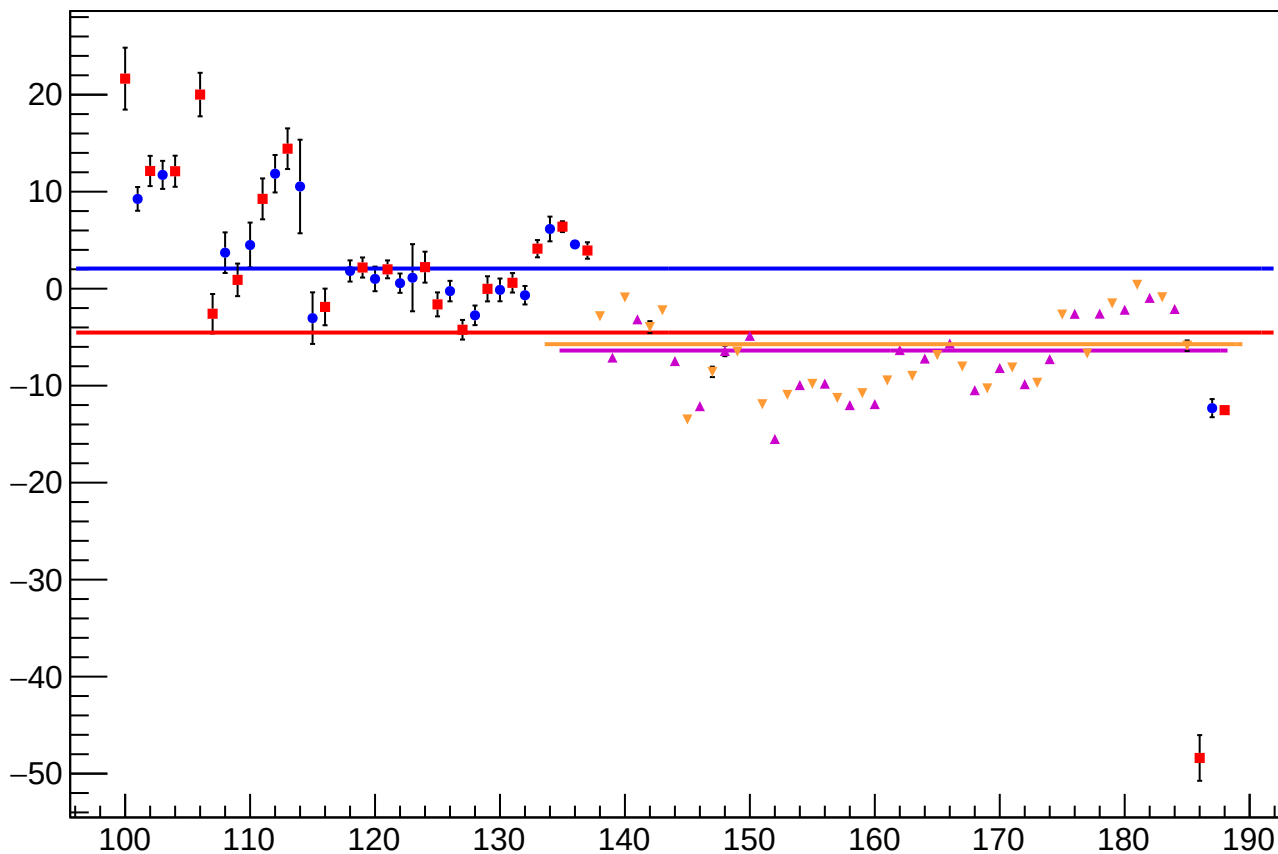
Right: -57.668 $\pm$ 0.098 χ^2 /NDF: 8172.9/38

In: -52.825 $\pm$ 0.053 χ^2 /NDF:7970.8/40

Out: -53.033 $\pm$ 0.051 χ^2 /NDF:8698.2/45

All: -52.932 $\pm$ 0.037 χ^2 /NDF: 16677.0/86

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



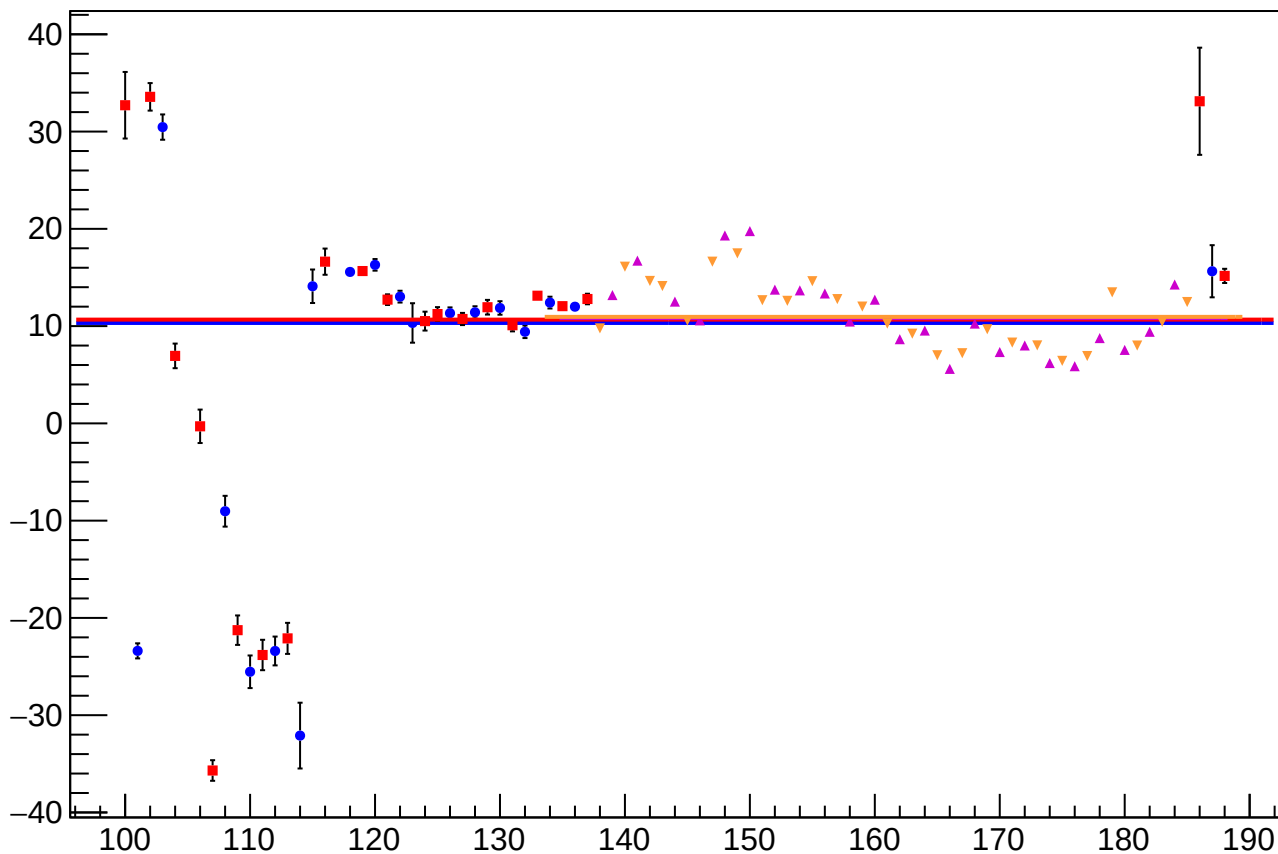
Right In: 2.075 ± 0.248 $\chi^2/\text{NDF}: 441.2/17$
 Left Out: -5.725 ± 0.068 $\chi^2/\text{NDF}: 3989.1/24$
 Right Out: -4.525 ± 0.190 $\chi^2/\text{NDF}: 2486.0/20$
 Left In: -6.379 ± 0.068 $\chi^2/\text{NDF}: 3395.7/22$

Left: -6.049 ± 0.048 $\chi^2/\text{NDF}: 7431.1/47$
 Right: -2.088 ± 0.151 $\chi^2/\text{NDF}: 3372.1/38$

In: -5.785 ± 0.066 $\chi^2/\text{NDF}: 4913.1/40$
 Out: -5.590 ± 0.064 $\chi^2/\text{NDF}: 6510.4/45$

All: -5.684 ± 0.046 $\chi^2/\text{NDF}: 11428.1/86$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected

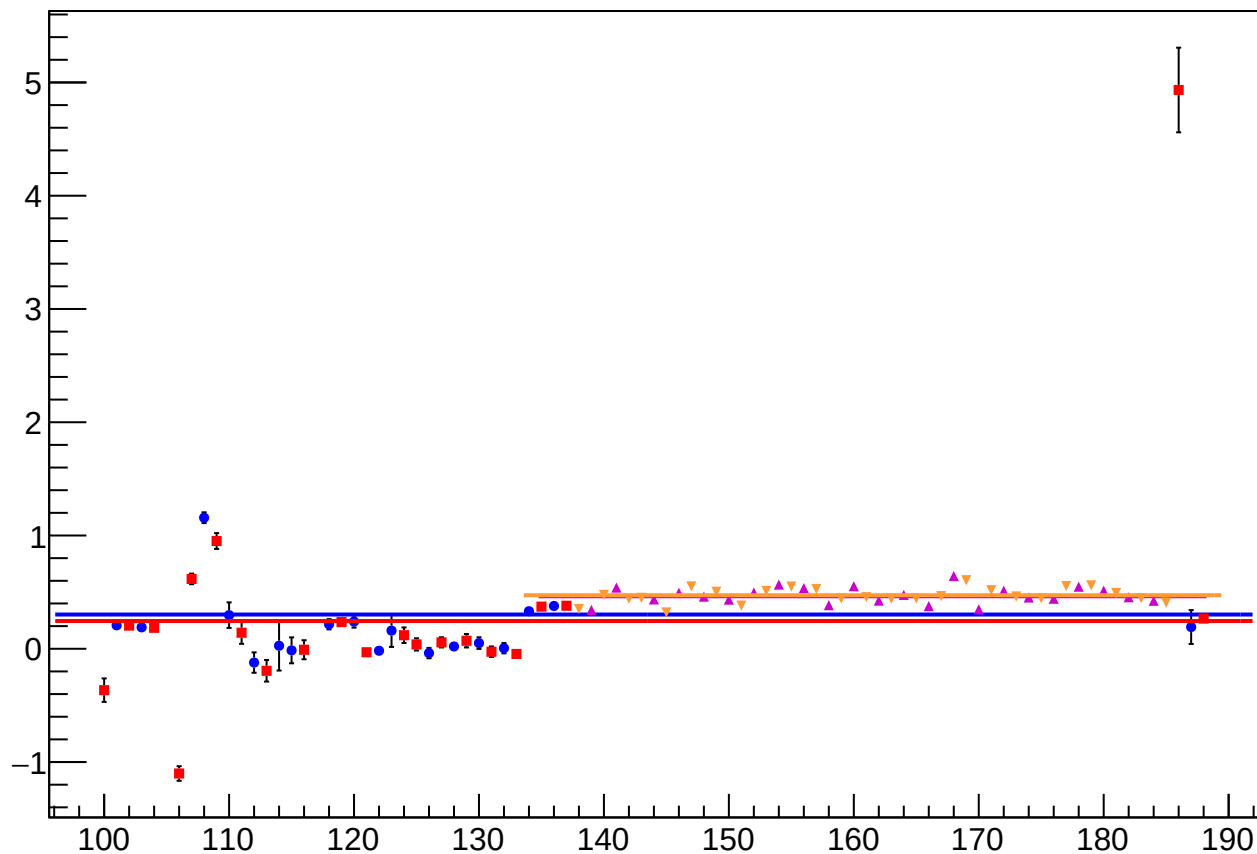


Right In: 10.324+/-0.157 χ^2/NDF : 3716.2/17
 Left Out: 10.950+/-0.062 χ^2/NDF : 2620.4/24
 Right Out: 10.667+/-0.156 χ^2/NDF : 3885.2/20
 Left In: 10.818+/-0.063 χ^2/NDF : 3577.7/22

Left: 10.886+/-0.044 χ^2/NDF : 6200.3/47
 Right: 10.496+/-0.111 χ^2/NDF : 7603.8/38
 In: 10.749+/-0.058 χ^2/NDF : 7302.5/40
 Out: 10.912+/-0.057 χ^2/NDF : 6508.4/45

All: 10.832+/-0.041 χ^2/NDF : 13814.8/86

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302 $\pm$ 0.008 χ^2 /NDF: 647.1/17

Left Out: 0.473 $\pm$ 0.003 χ^2 /NDF:515.0/24

Right Out: 0.245 $\pm$ 0.008 χ^2 /NDF: 1144.7/20

Left In: 0.463 $\pm$ 0.003 χ^2 /NDF:749.9/22

Left: 0.468 $\pm$ 0.002 χ^2 /NDF: 1270.7/47

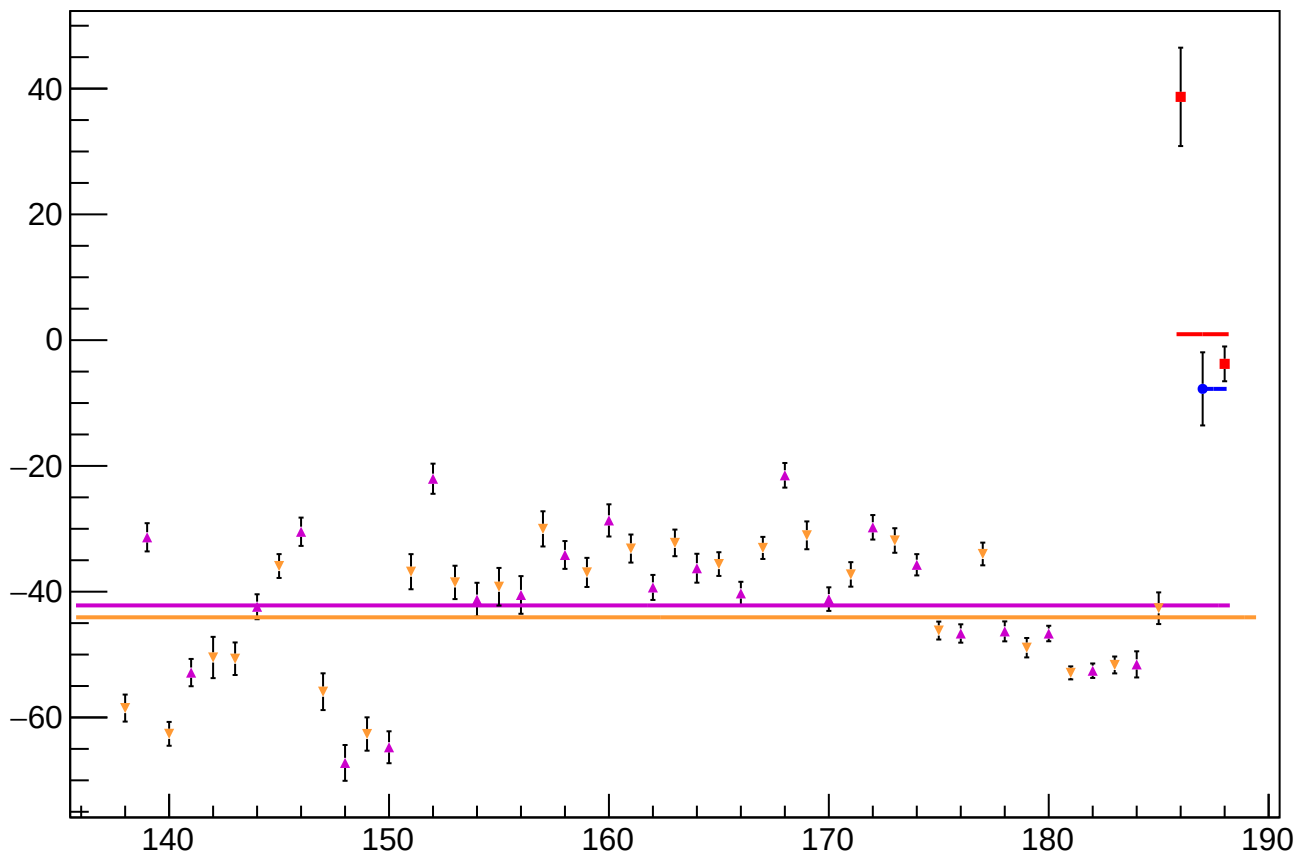
Right: 0.274 $\pm$ 0.006 χ^2 /NDF: 1816.2/38

In: 0.447 $\pm$ 0.003 χ^2 /NDF:1744.6/40

Out: 0.450 $\pm$ 0.003 χ^2 /NDF:2349.3/45

All: 0.448 $\pm$ 0.002 χ^2 /NDF: 4094.4/86

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



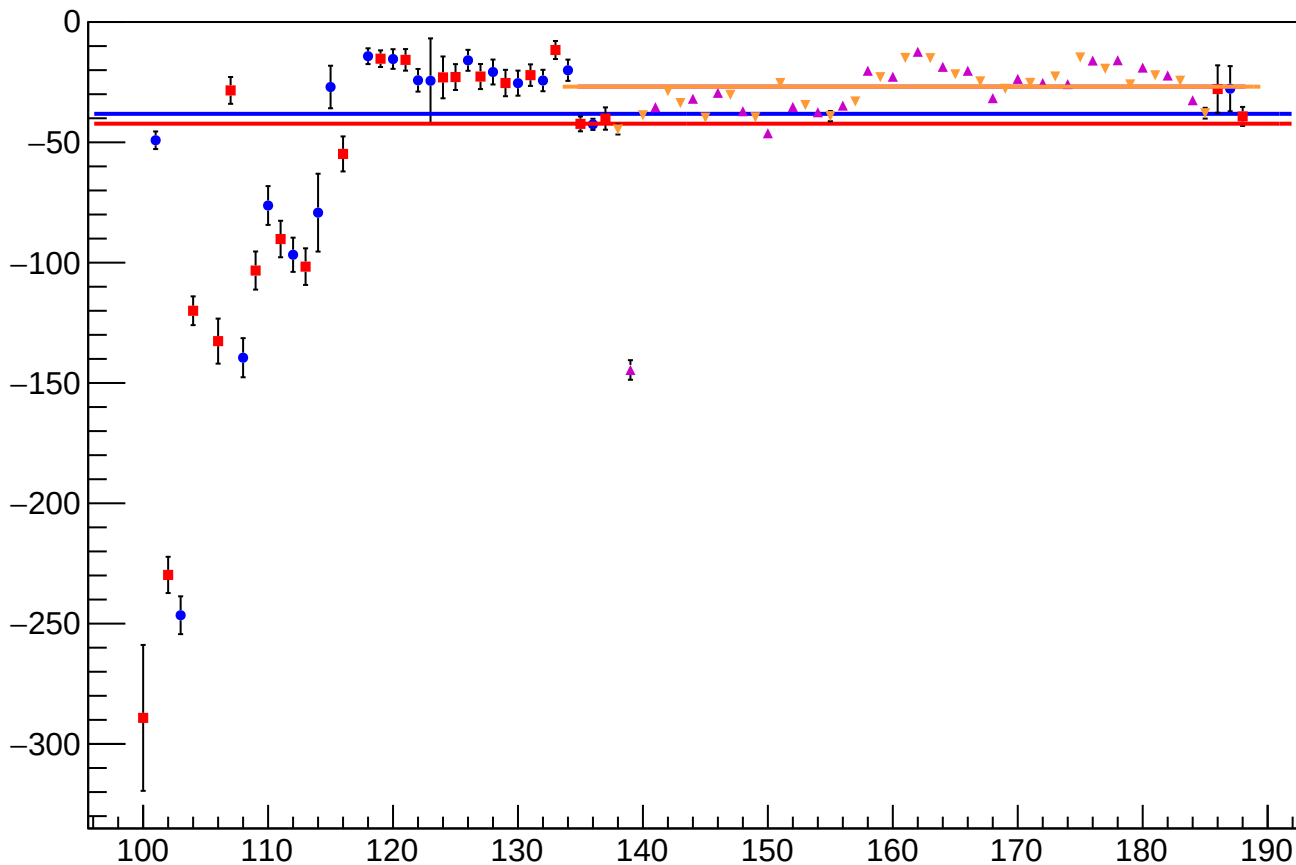
Right In: -7.749 ± 5.815 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -44.074 ± 0.389 $\chi^2/\text{NDF}: 632.8/24$
 Right Out: 0.945 ± 2.607 $\chi^2/\text{NDF}: 26.2/1$
 Left In: -42.185 ± 0.398 $\chi^2/\text{NDF}: 651.0/22$

Left: -43.149 ± 0.278 $\chi^2/\text{NDF}: 1295.4/47$
 Right: -0.511 ± 2.379 $\chi^2/\text{NDF}: 28.0/2$

In: -42.025 ± 0.397 $\chi^2/\text{NDF}: 686.0/23$
 Out: -43.092 ± 0.385 $\chi^2/\text{NDF}: 950.7/26$

All: -42.574 ± 0.276 $\chi^2/\text{NDF}: 1640.3/50$

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.156 $\pm$ 1.129 χ^2/NDF : 1133.9/17

Left Out: -26.867 $\pm$ 0.317 χ^2/NDF : 629.1/24

Right Out: -42.253 $\pm$ 1.149 χ^2/NDF : 1344.5/20

Left In: -26.825 $\pm$ 0.325 χ^2/NDF : 1481.6/22

Left: -26.847 $\pm$ 0.227 χ^2/NDF : 2110.7/47

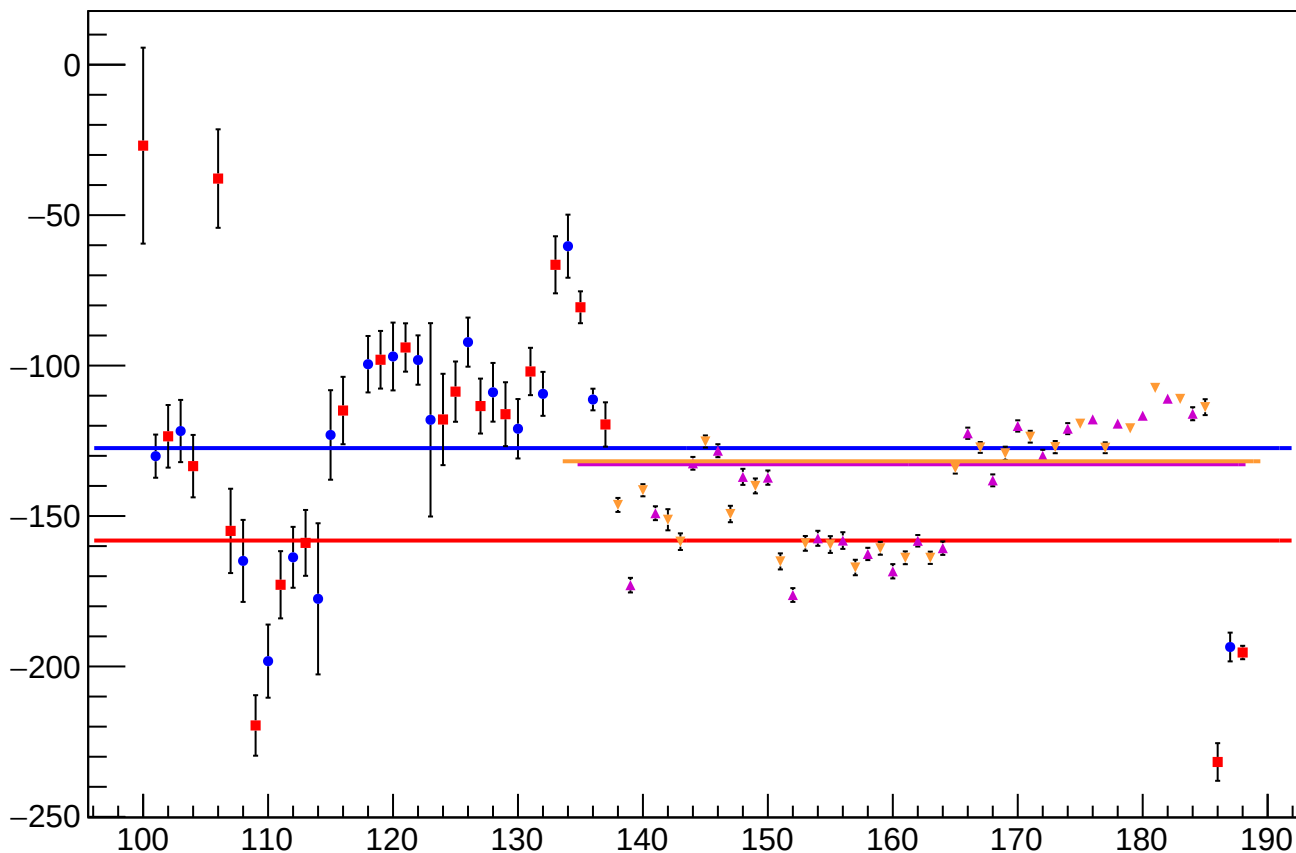
Right: -40.167 $\pm$ 0.805 χ^2/NDF : 2484.9/38

In: -27.695 $\pm$ 0.313 χ^2/NDF : 2708.5/40

Out: -27.955 $\pm$ 0.306 χ^2/NDF : 2140.1/45

All: -27.828 $\pm$ 0.219 χ^2/NDF : 4849.0/86

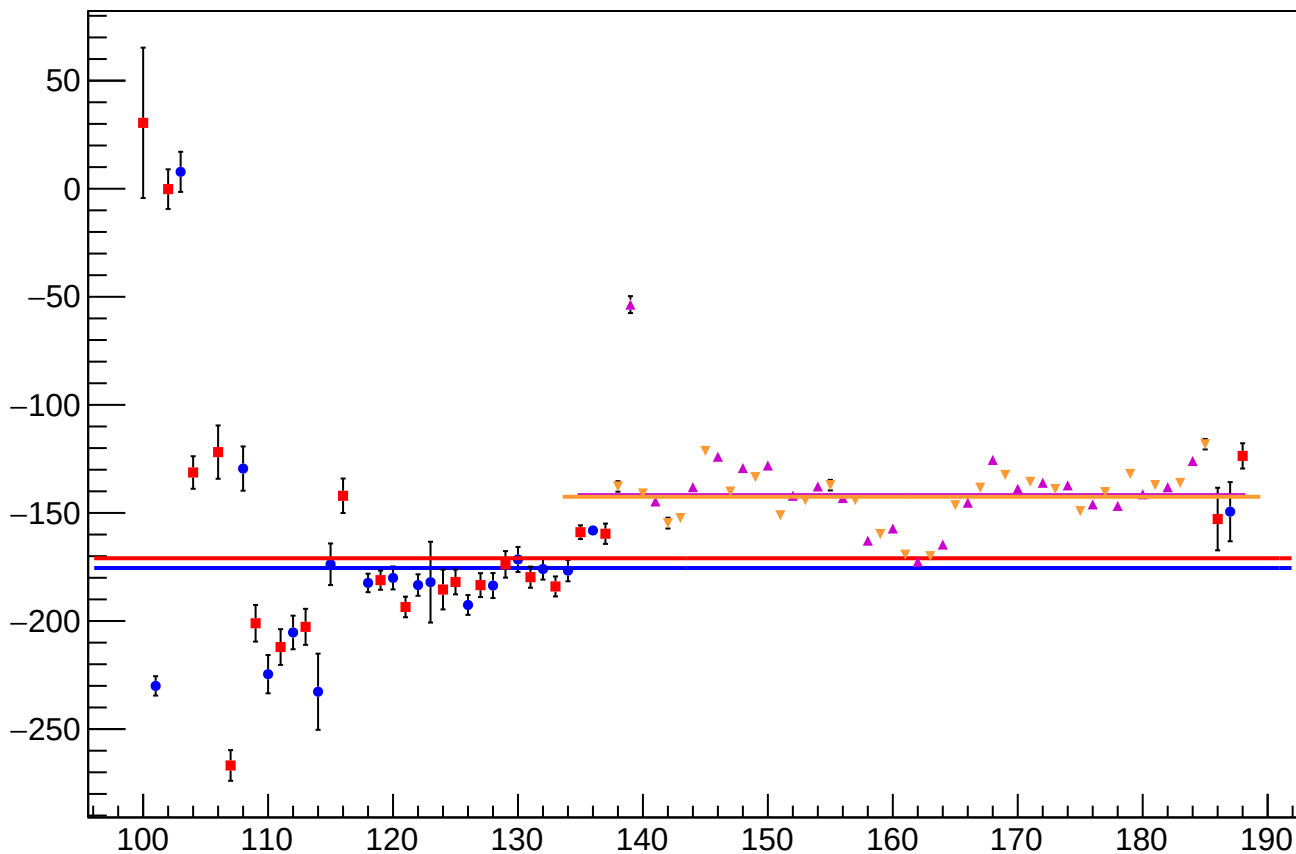
reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -127.426 $\pm$ 1.901 χ^2 /NDF: 369.1/17
 Left Out: -131.805 $\pm$ 0.392 χ^2 /NDF:2417.0/24
 Right Out: -158.148 $\pm$ 1.521 χ^2 /NDF: 1118.2/20
 Left In: -132.799 $\pm$ 0.398 χ^2 /NDF:2515.9/22

Left: -132.294 $\pm$ 0.279 χ^2 /NDF: 4936.0/47
 Right: -146.158 $\pm$ 1.188 χ^2 /NDF: 1646.5/38
 In: -132.573 $\pm$ 0.390 χ^2 /NDF:2892.6/40
 Out: -133.446 $\pm$ 0.380 χ^2 /NDF:3816.4/45
 All: -133.021 $\pm$ 0.272 χ^2 /NDF: 6711.6/86

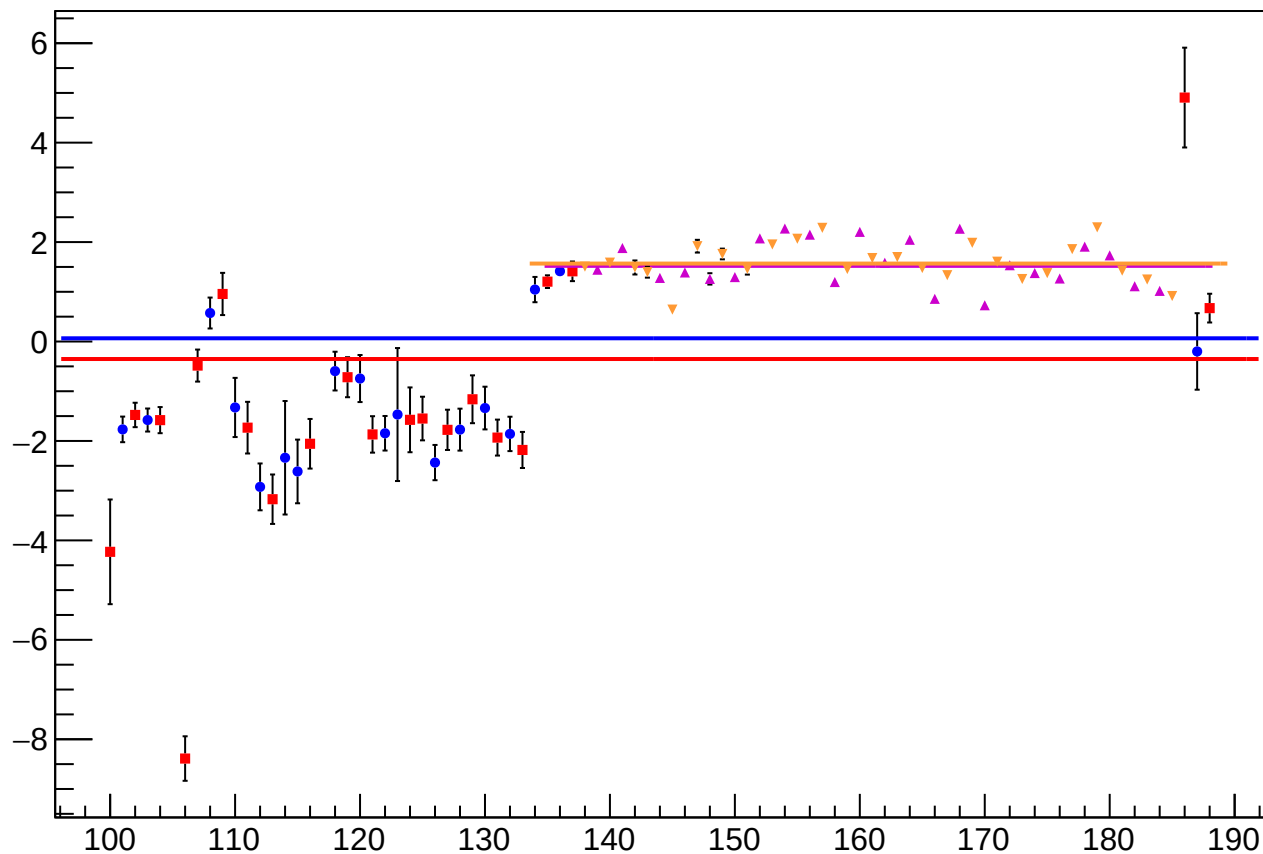
reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.472 ± 1.262 χ^2/NDF : 696.6/17
 Left Out: -142.517 ± 0.355 χ^2/NDF : 1144.2/24
 Right Out: -170.965 ± 1.315 χ^2/NDF : 808.7/20
 Left In: -141.769 ± 0.363 χ^2/NDF : 1604.4/22

Left: -142.151 ± 0.254 χ^2/NDF : 2750.7/47
 Right: -173.311 ± 0.911 χ^2/NDF : 1511.5/38
 In: -144.339 ± 0.349 χ^2/NDF : 2959.6/40
 Out: -144.446 ± 0.342 χ^2/NDF : 2388.9/45
 All: -144.394 ± 0.244 χ^2/NDF : 5348.6/86

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.065 ± 0.067 $\chi^2/\text{NDF}: 526.3/17$

Left Out: 1.568 ± 0.016 $\chi^2/\text{NDF}: 541.0/24$

Right Out: -0.352 ± 0.069 $\chi^2/\text{NDF}: 796.4/20$

Left In: 1.522 ± 0.016 $\chi^2/\text{NDF}: 739.1/22$

Left: 1.545 ± 0.012 $\chi^2/\text{NDF}: 1284.1/47$

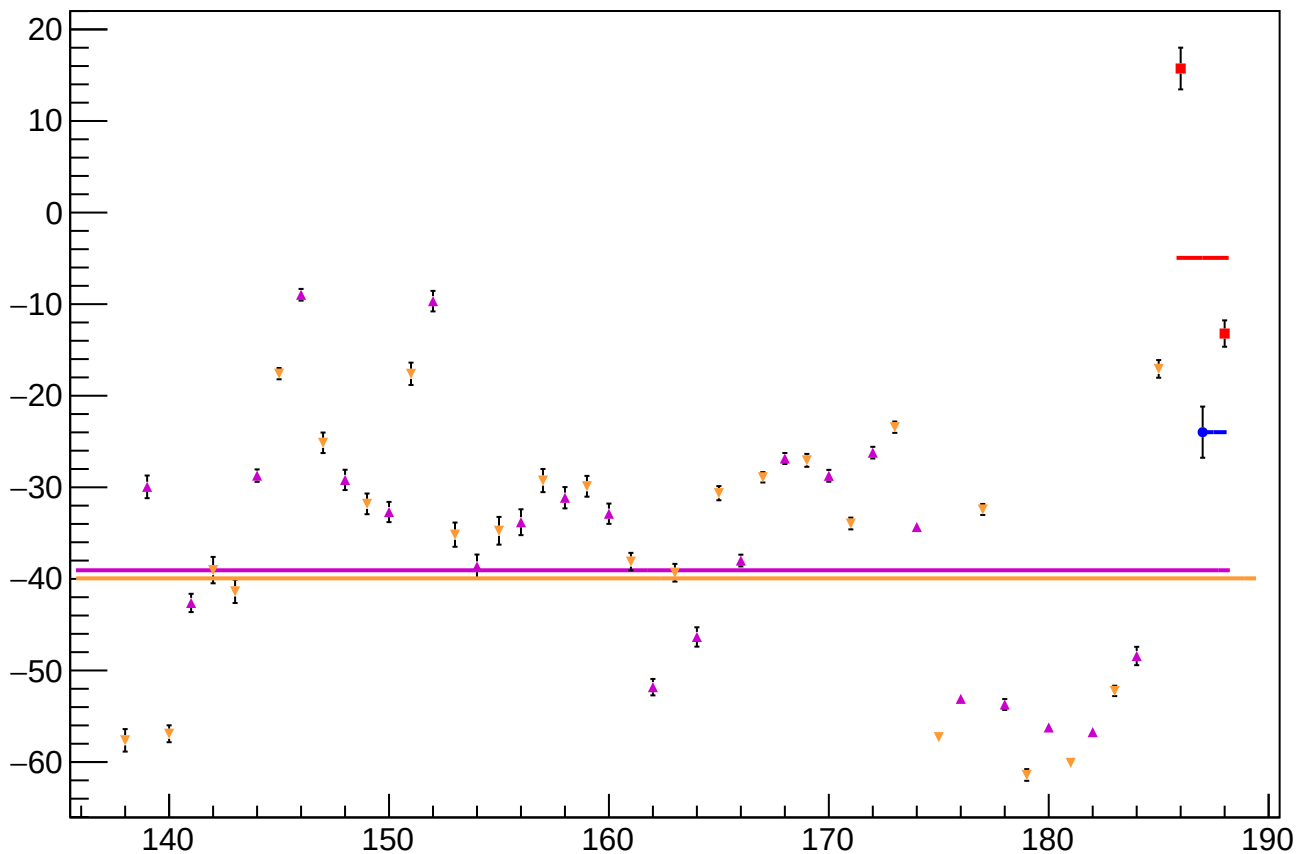
Right: -0.137 ± 0.048 $\chi^2/\text{NDF}: 1341.5/38$

In: 1.439 ± 0.016 $\chi^2/\text{NDF}: 1715.1/40$

Out: 1.467 ± 0.016 $\chi^2/\text{NDF}: 2073.3/45$

All: 1.453 ± 0.011 $\chi^2/\text{NDF}: 3790.0/86$

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.980 ± 2.794 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -39.942 ± 0.153 $\chi^2/\text{NDF}: 9806.2/24$
 Right Out: -4.946 ± 1.217 $\chi^2/\text{NDF}: 115.4/1$
 Left In: -39.060 ± 0.154 $\chi^2/\text{NDF}: 8577.0/22$

Left: -39.503 ± 0.109 $\chi^2/\text{NDF}: 18399.6/47$

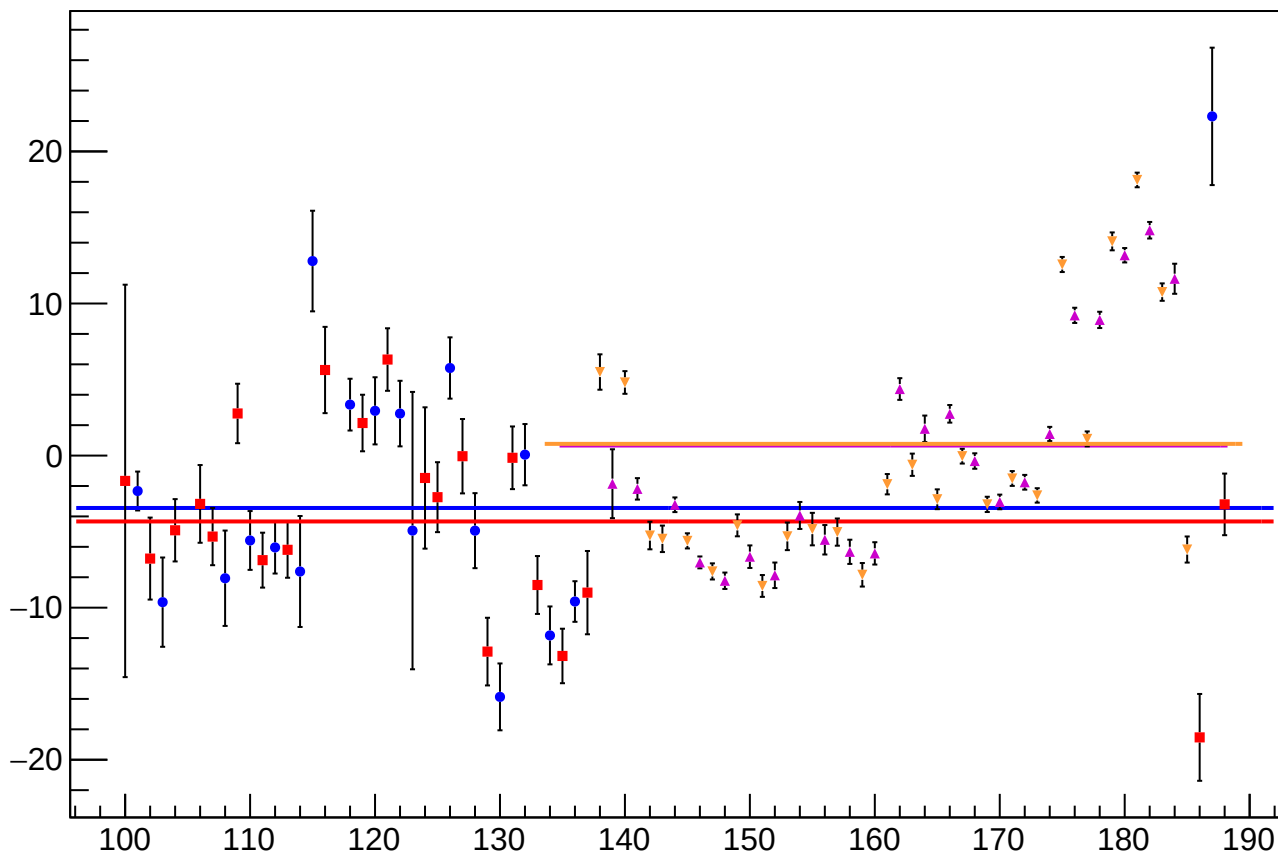
Right: -7.982 ± 1.116 $\chi^2/\text{NDF}: 154.4/2$

In: -39.014 ± 0.154 $\chi^2/\text{NDF}: 8606.0/23$

Out: -39.395 ± 0.152 $\chi^2/\text{NDF}: 10735.6/26$

All: -39.207 ± 0.108 $\chi^2/\text{NDF}: 19344.8/50$

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.445 ± 0.492 χ^2/NDF : 198.2/17

Left Out: 0.770 ± 0.124 χ^2/NDF : 3952.9/24

Right Out: -4.331 ± 0.485 χ^2/NDF : 148.9/20

Left In: 0.662 ± 0.124 χ^2/NDF : 3340.9/22

Left: 0.716 ± 0.088 χ^2/NDF : 7294.2/47

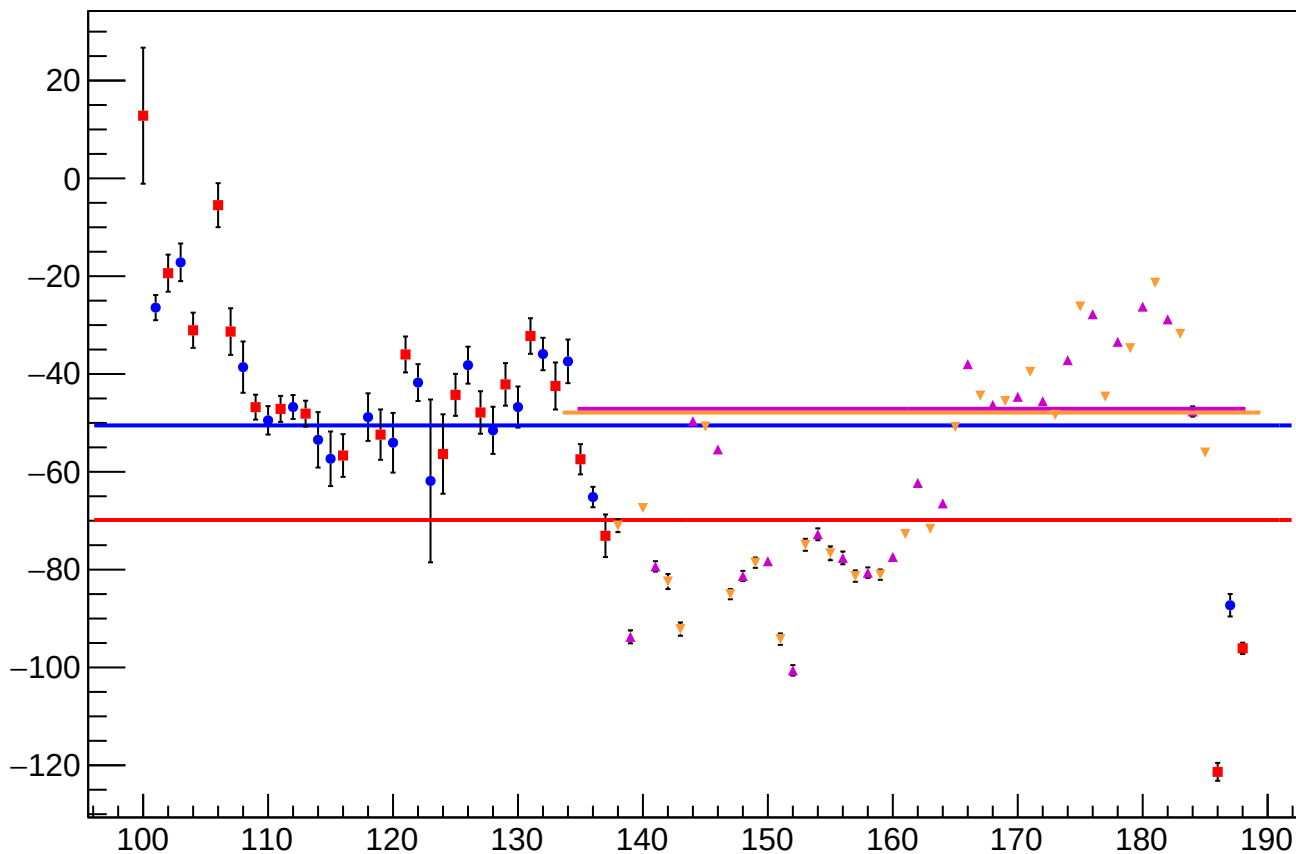
Right: -3.895 ± 0.345 χ^2/NDF : 348.7/38

In: 0.417 ± 0.120 χ^2/NDF : 3604.6/40

Out: 0.455 ± 0.120 χ^2/NDF : 4205.8/45

All: 0.436 ± 0.085 χ^2/NDF : 7810.5/86

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Left: -47.500 ± 0.109 $\chi^2/\text{NDF}: 32374.6/47$

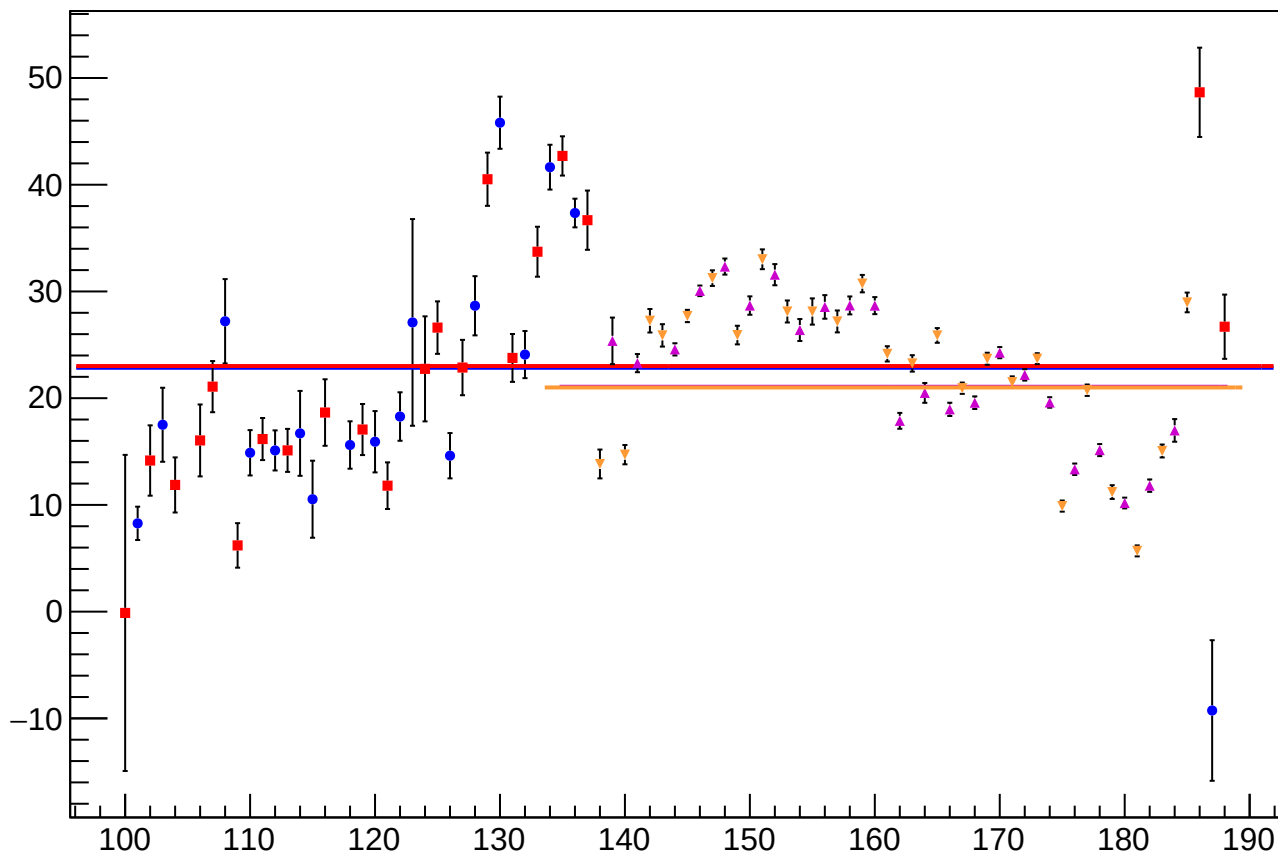
Right: -62.364 ± 0.512 $\chi^2/\text{NDF}: 3354.3/38$

In: -47.229 ± 0.152 $\chi^2/\text{NDF}: 16195.4/40$

Out: -49.055 ± 0.151 $\chi^2/\text{NDF}: 20267.8/45$

All: -48.150 ± 0.107 $\chi^2/\text{NDF}: 36536.0/86$

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.850 $\pm$ 0.554 χ^2 /NDF: 485.1/17

Left Out: 21.005 $\pm$ 0.139 χ^2 /NDF:2789.5/24

Right Out: 23.011 $\pm$ 0.557 χ^2 /NDF: 410.5/20

Left In: 21.069 $\pm$ 0.139 χ^2 /NDF:2176.7/22

Left: 21.037 $\pm$ 0.098 χ^2 /NDF: 4966.4/47

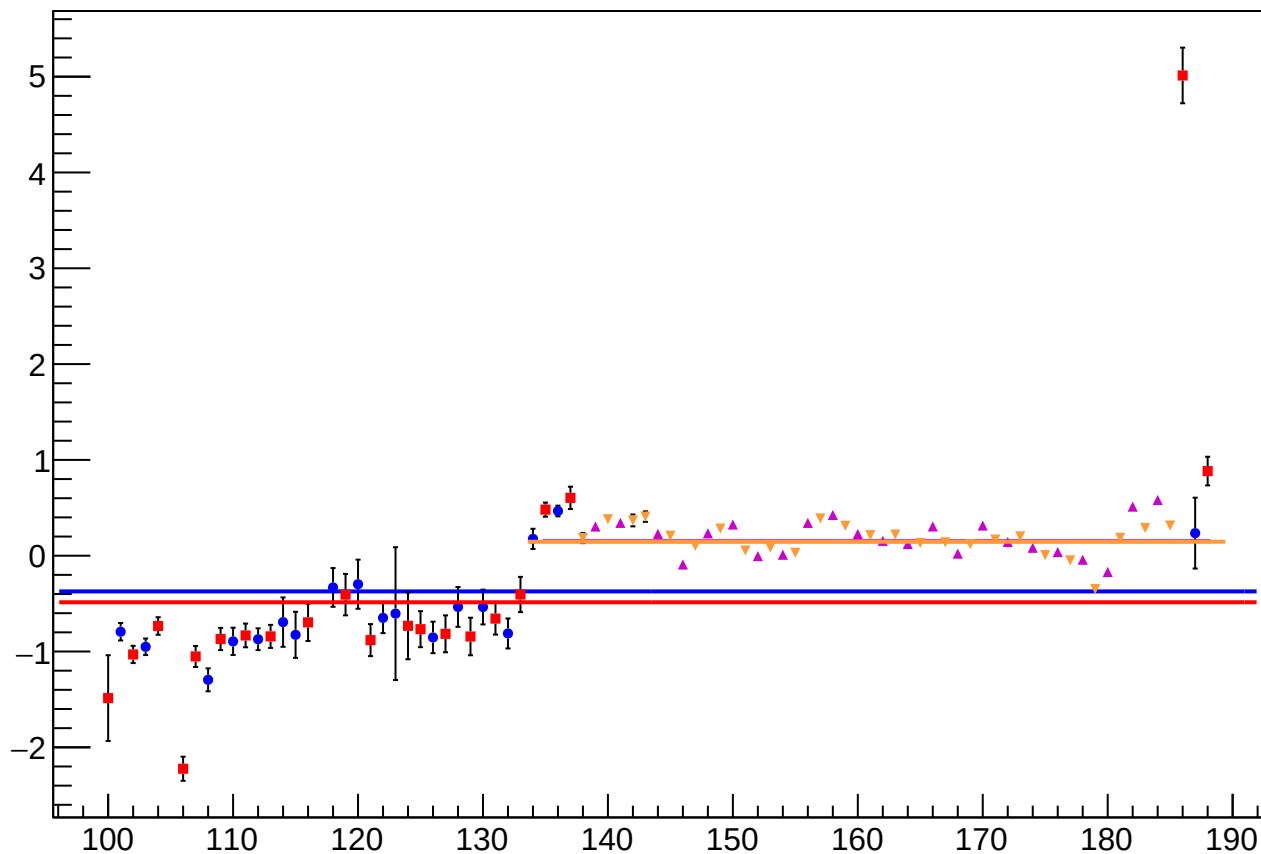
Right: 22.930 $\pm$ 0.393 χ^2 /NDF: 895.6/38

In: 21.175 $\pm$ 0.135 χ^2 /NDF:2671.6/40

Out: 21.122 $\pm$ 0.135 χ^2 /NDF:3212.2/45

All: 21.148 $\pm$ 0.095 χ^2 /NDF: 5883.9/86

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.373 ± 0.030 $\chi^2/\text{NDF}: 439.9/17$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 609.8/24$

Right Out: -0.486 ± 0.029 $\chi^2/\text{NDF}: 1013.1/20$

Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 873.9/22$

Left: 0.149 ± 0.004 $\chi^2/\text{NDF}: 1484.1/47$

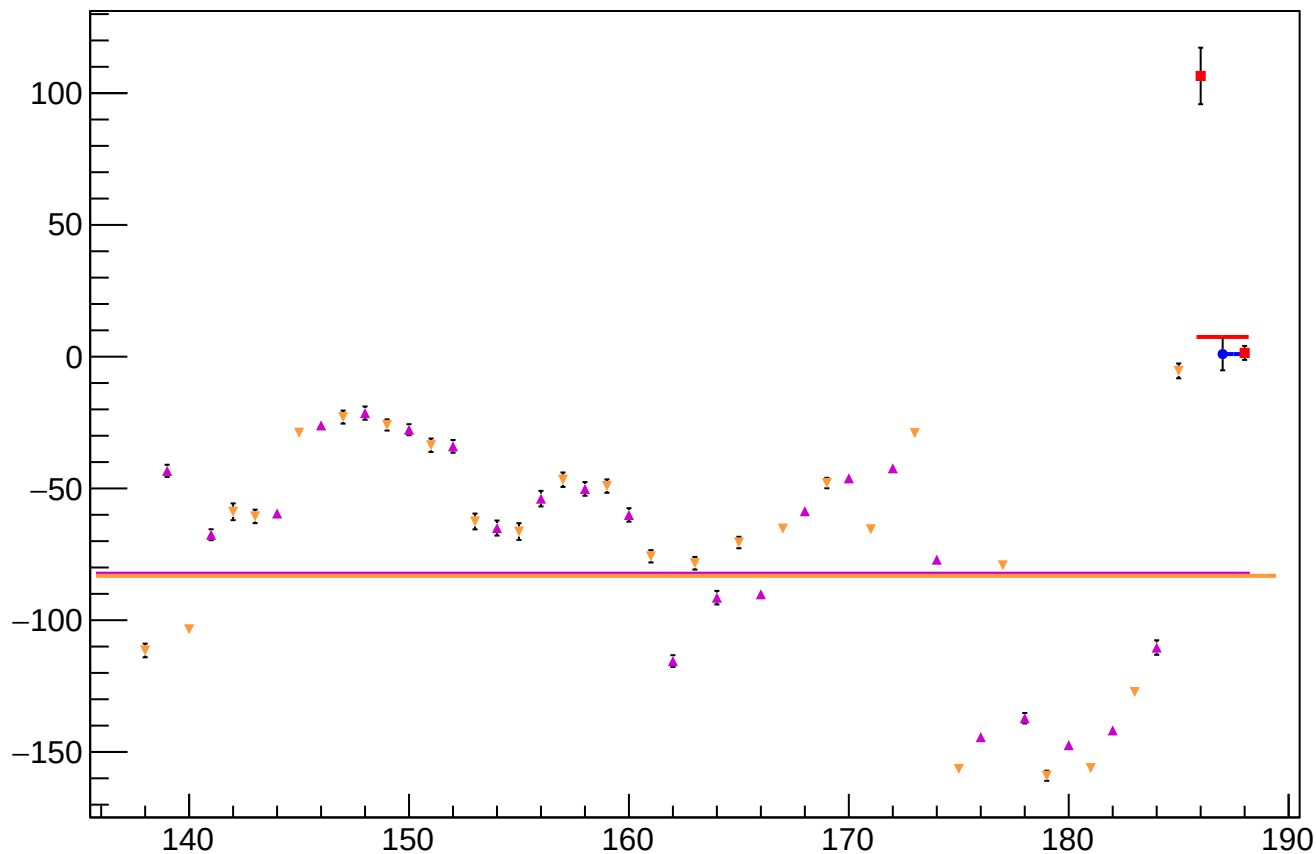
Right: -0.430 ± 0.021 $\chi^2/\text{NDF}: 1460.3/38$

In: 0.129 ± 0.006 $\chi^2/\text{NDF}: 1606.2/40$

Out: 0.118 ± 0.006 $\chi^2/\text{NDF}: 2063.7/45$

All: 0.123 ± 0.004 $\chi^2/\text{NDF}: 3671.4/86$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.990 ± 6.163 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -83.163 ± 0.407 $\chi^2/\text{NDF}: 13794.3/24$

Right Out: 7.488 ± 2.575 $\chi^2/\text{NDF}: 90.5/1$

Left In: -82.342 ± 0.413 $\chi^2/\text{NDF}: 10954.9/22$

Left: -82.758 ± 0.290 $\chi^2/\text{NDF}: 24751.3/47$

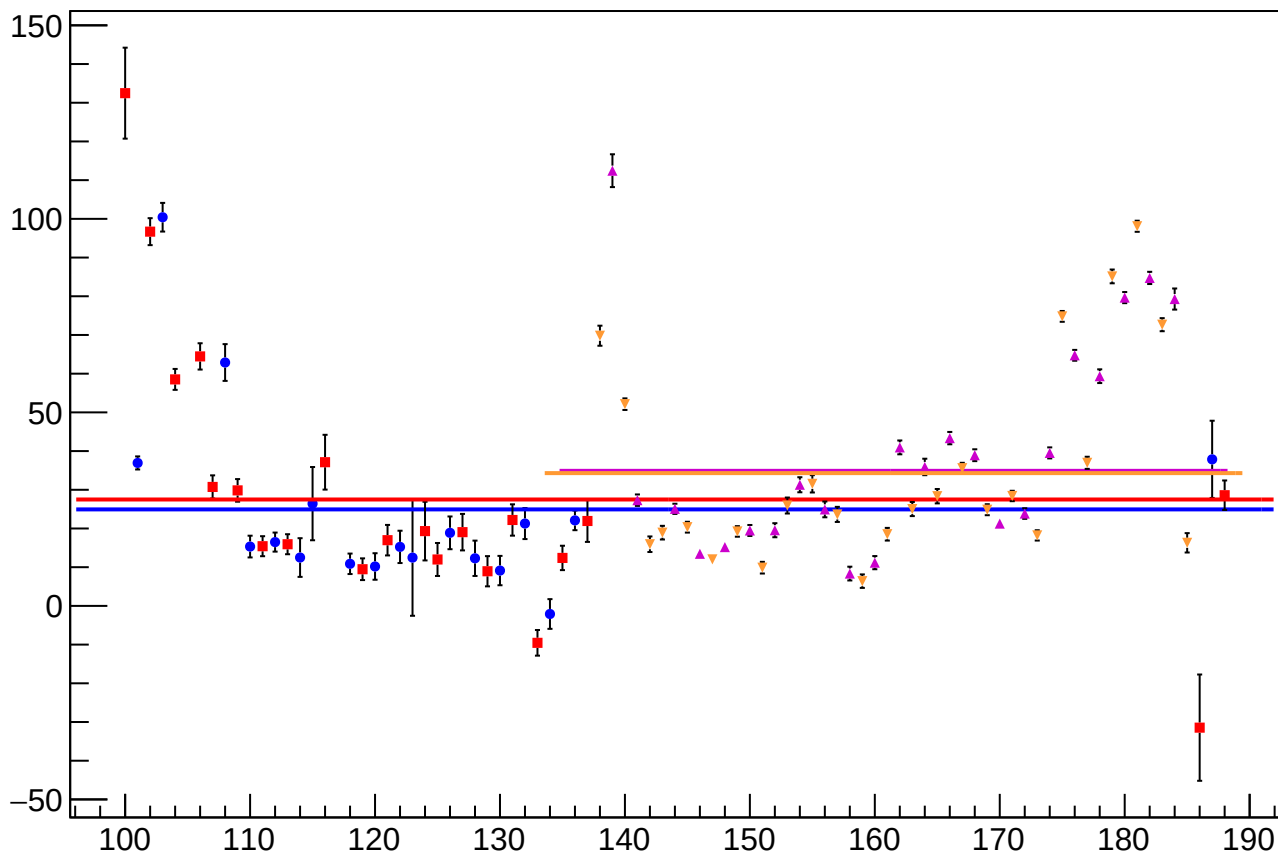
Right: 6.522 ± 2.376 $\chi^2/\text{NDF}: 91.5/2$

In: -81.970 ± 0.412 $\chi^2/\text{NDF}: 11136.9/23$

Out: -80.953 ± 0.402 $\chi^2/\text{NDF}: 15093.7/26$

All: -81.449 ± 0.288 $\chi^2/\text{NDF}: 26233.7/50$

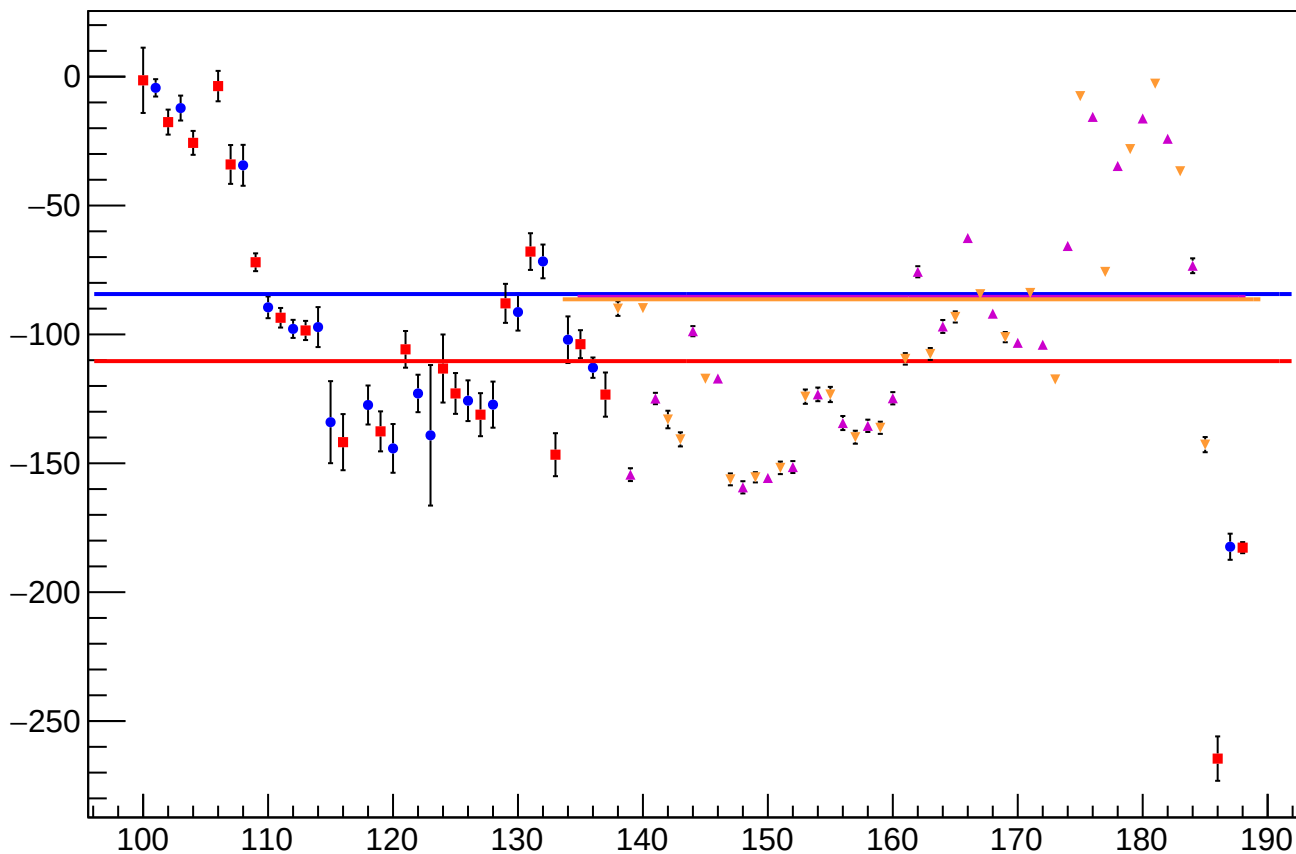
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 24.931 ± 0.798 $\chi^2/\text{NDF}: 692.5/17$
 Left Out: 34.306 ± 0.321 $\chi^2/\text{NDF}: 6163.7/24$
 Right Out: 27.492 ± 0.791 $\chi^2/\text{NDF}: 1027.7/20$
 Left In: 34.893 ± 0.328 $\chi^2/\text{NDF}: 4754.6/22$

Left: 34.593 ± 0.229 $\chi^2/\text{NDF}: 10919.9/47$
 Right: 26.223 ± 0.562 $\chi^2/\text{NDF}: 1725.4/38$
 In: 33.453 ± 0.304 $\chi^2/\text{NDF}: 5580.3/40$
 Out: 33.343 ± 0.297 $\chi^2/\text{NDF}: 7255.1/45$
 All: 33.397 ± 0.212 $\chi^2/\text{NDF}: 12835.5/86$

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -84.341 ± 1.360 χ^2/NDF : 1445.3/17

Left Out: -86.377 ± 0.409 χ^2/NDF : 14435.1/24

Right Out: -110.359 ± 1.134 χ^2/NDF : 2912.2/20

Left In: -85.441 ± 0.413 χ^2/NDF : 12998.9/22

Left: -85.914 ± 0.291 χ^2/NDF : 27436.5/47

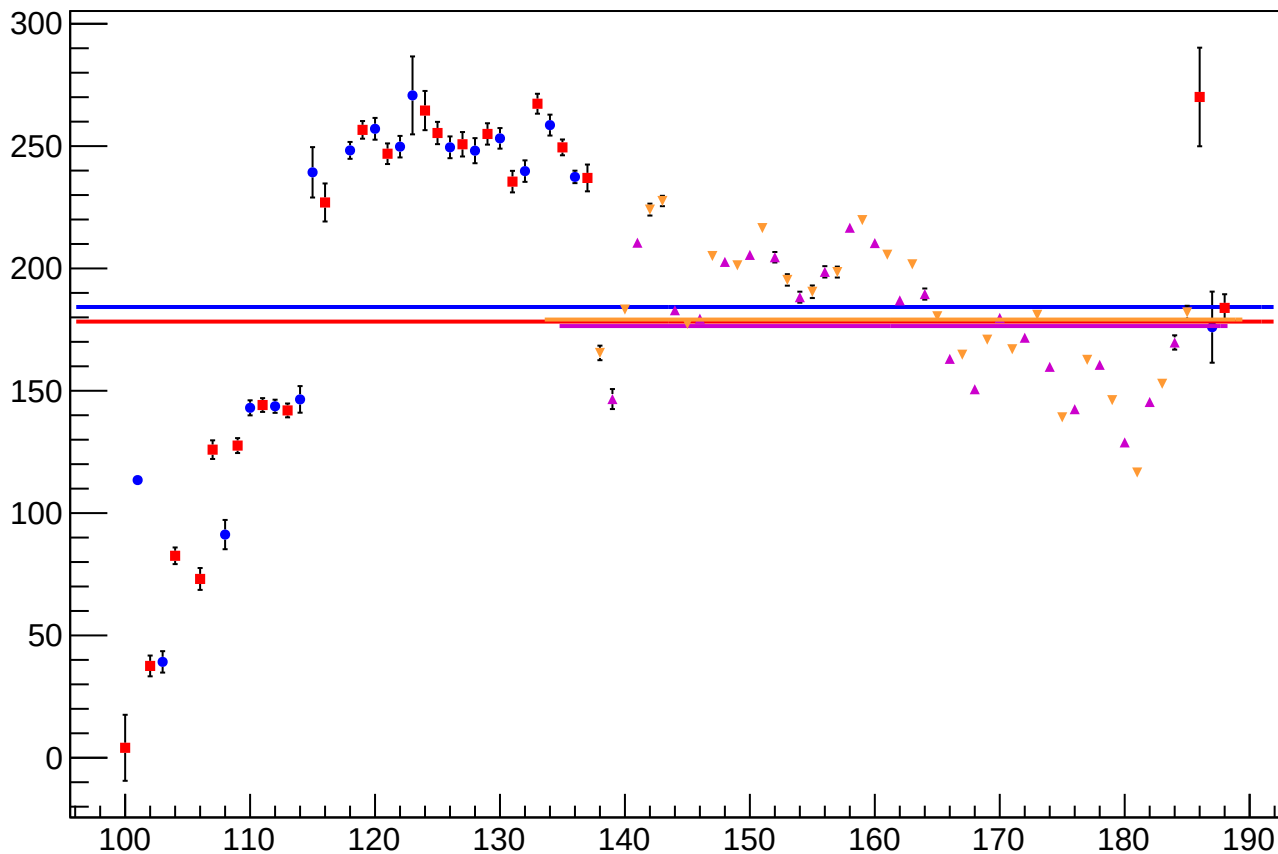
Right: -99.694 ± 0.871 χ^2/NDF : 4573.4/38

In: -85.348 ± 0.395 χ^2/NDF : 14444.8/40

Out: -89.139 ± 0.385 χ^2/NDF : 17743.1/45

All: -87.295 ± 0.276 χ^2/NDF : 32235.2/86

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 184.239 $\pm$ 0.912 χ^2 /NDF: 5401.3/17

Left Out: 179.109 $\pm$ 0.363 χ^2 /NDF: 5877.5/24

Right Out: 178.276 $\pm$ 0.911 χ^2 /NDF: 6352.8/20

Left In: 176.449 $\pm$ 0.370 χ^2 /NDF: 4442.1/22

Left: 177.804 $\pm$ 0.259 χ^2 /NDF: 10345.9/47

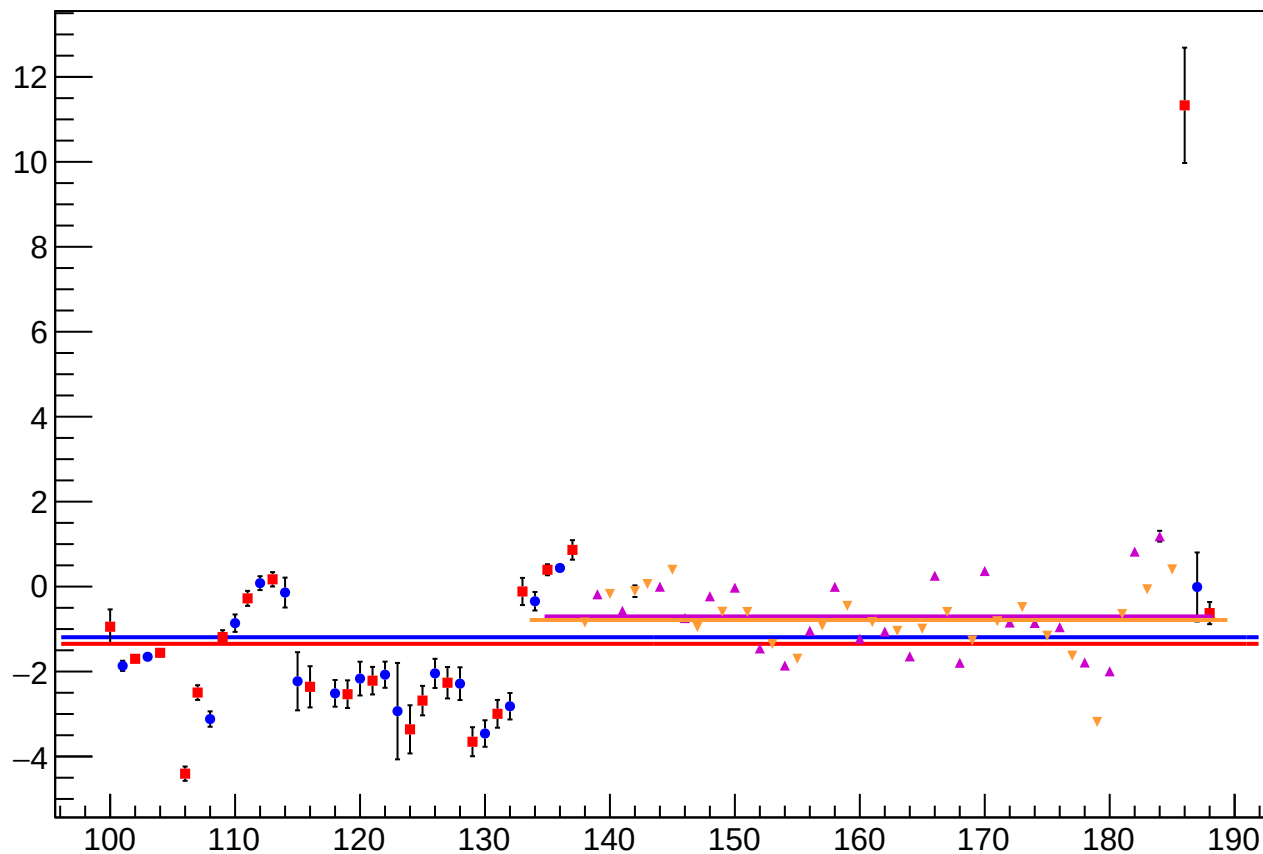
Right: 181.253 $\pm$ 0.644 χ^2 /NDF: 11775.6/38

In: 177.548 $\pm$ 0.343 χ^2 /NDF: 9906.1/40

Out: 178.995 $\pm$ 0.337 χ^2 /NDF: 12231.0/45

All: 178.284 $\pm$ 0.240 χ^2 /NDF: 22146.2/86

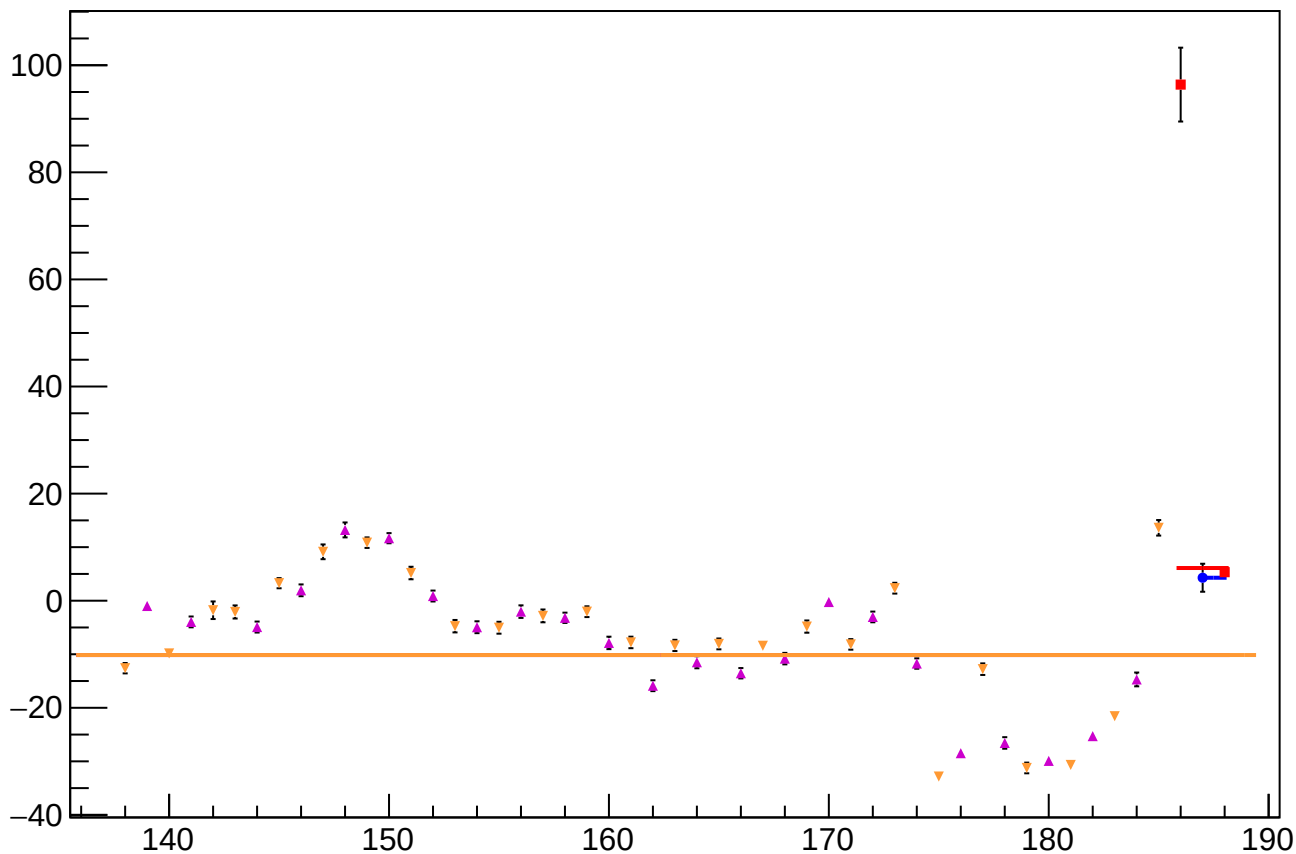
reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.192 ± 0.048 χ^2/NDF : 625.2/17
 Left Out: -0.787 ± 0.017 χ^2/NDF : 1760.7/24
 Right Out: -1.348 ± 0.045 χ^2/NDF : 1020.0/20
 Left In: -0.702 ± 0.017 χ^2/NDF : 2421.3/22

Left: -0.745 ± 0.012 χ^2/NDF : 4194.8/47
 Right: -1.275 ± 0.033 χ^2/NDF : 1650.8/38
 In: -0.756 ± 0.016 χ^2/NDF : 3139.3/40
 Out: -0.854 ± 0.016 χ^2/NDF : 2917.3/45
 All: -0.806 ± 0.011 χ^2/NDF : 6076.1/86

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.287+/-2.614 χ^2/NDF : 0.0/0

Left Out: -10.147+/-0.202 χ^2/NDF : 4128.5/24

Right Out: 6.104+/-0.637 χ^2/NDF : 172.8/1

Left In: -10.149+/-0.204 χ^2/NDF : 3491.7/22

Left: -10.148+/-0.143 χ^2/NDF : 7620.2/47

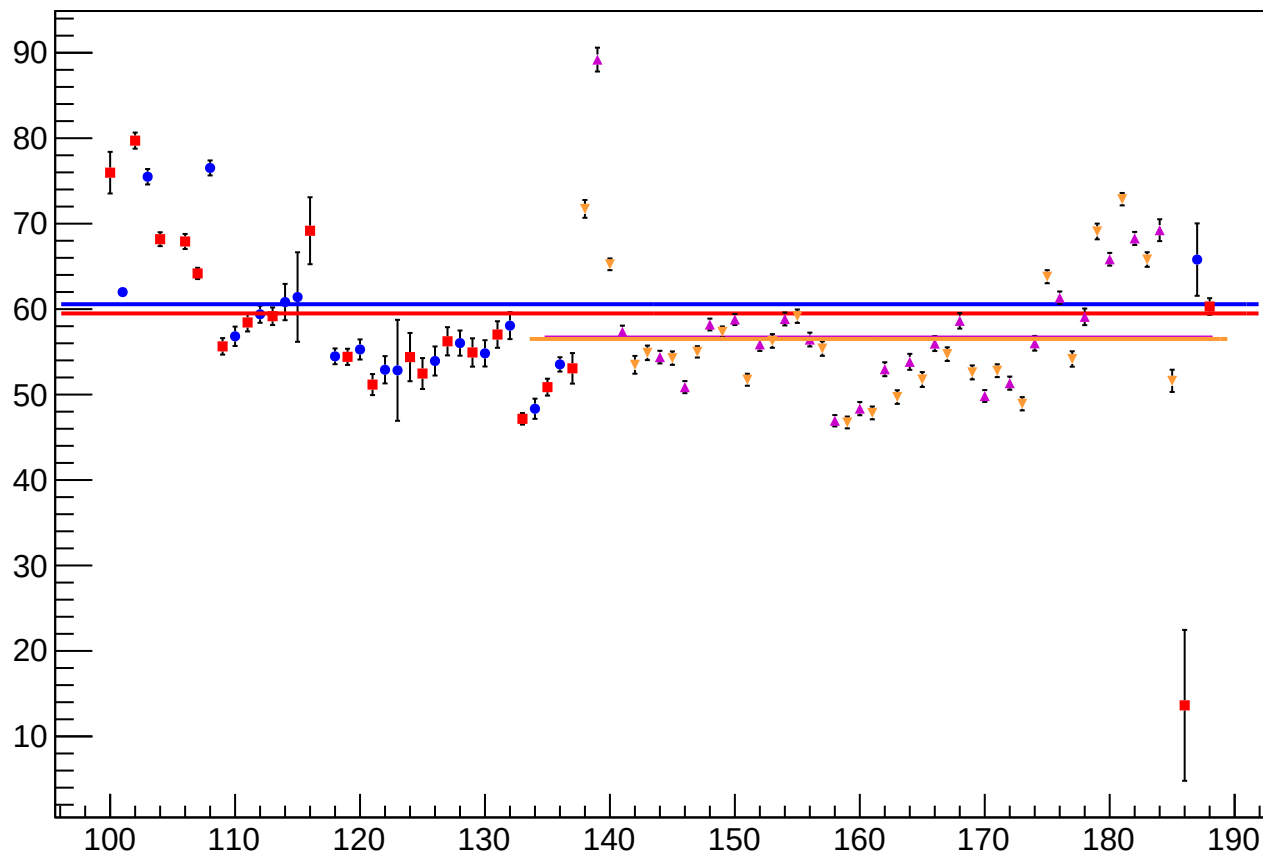
Right: 6.003+/-0.619 χ^2/NDF : 173.3/2

In: -10.061+/-0.203 χ^2/NDF : 3522.0/23

Out: -8.665+/-0.192 χ^2/NDF : 4892.7/26

All: -9.325+/-0.140 χ^2/NDF : 8439.6/50

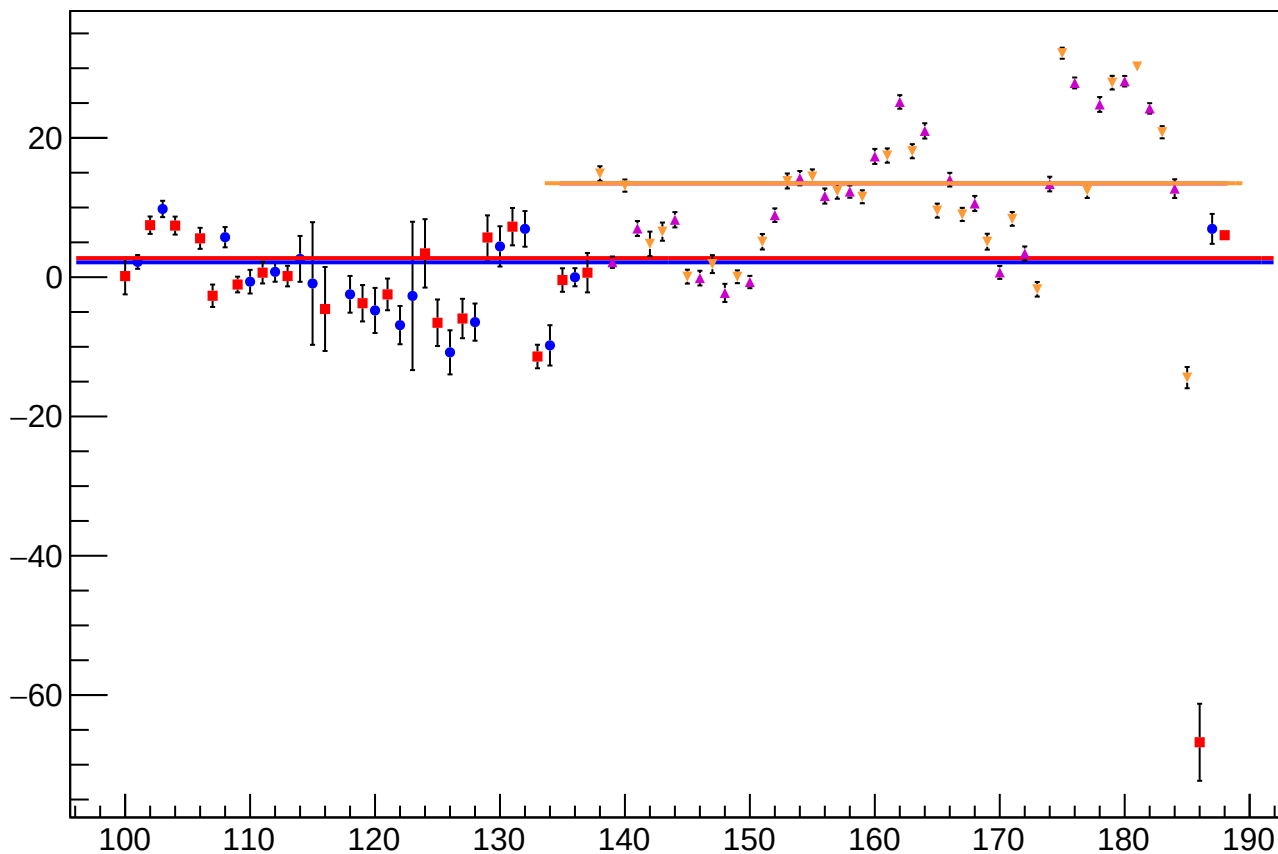
reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.574 $\pm$ 0.261 χ^2 /NDF: 932.3/17
 Left Out: 56.508 $\pm$ 0.159 χ^2 /NDF:1962.3/24
 Right Out: 59.494 $\pm$ 0.240 χ^2 /NDF: 1344.7/20
 Left In: 56.674 $\pm$ 0.165 χ^2 /NDF:1679.8/22

Left: 56.588 $\pm$ 0.114 χ^2 /NDF: 3642.7/47
 Right: 59.989 $\pm$ 0.177 χ^2 /NDF: 2286.2/38
 In: 57.784 $\pm$ 0.139 χ^2 /NDF:2771.7/40
 Out: 57.420 $\pm$ 0.133 χ^2 /NDF:3414.4/45
 All: 57.593 $\pm$ 0.096 χ^2 /NDF: 6189.6/86

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.132 $\pm$ 0.448 χ^2 /NDF: 126.8/17

Left Out: 13.485 $\pm$ 0.202 χ^2 /NDF: 2731.0/24

Right Out: 2.739 $\pm$ 0.328 χ^2 /NDF: 364.9/20

Left In: 13.456 $\pm$ 0.203 χ^2 /NDF: 2371.9/22

Left: 13.471 $\pm$ 0.143 χ^2 /NDF: 5102.9/47

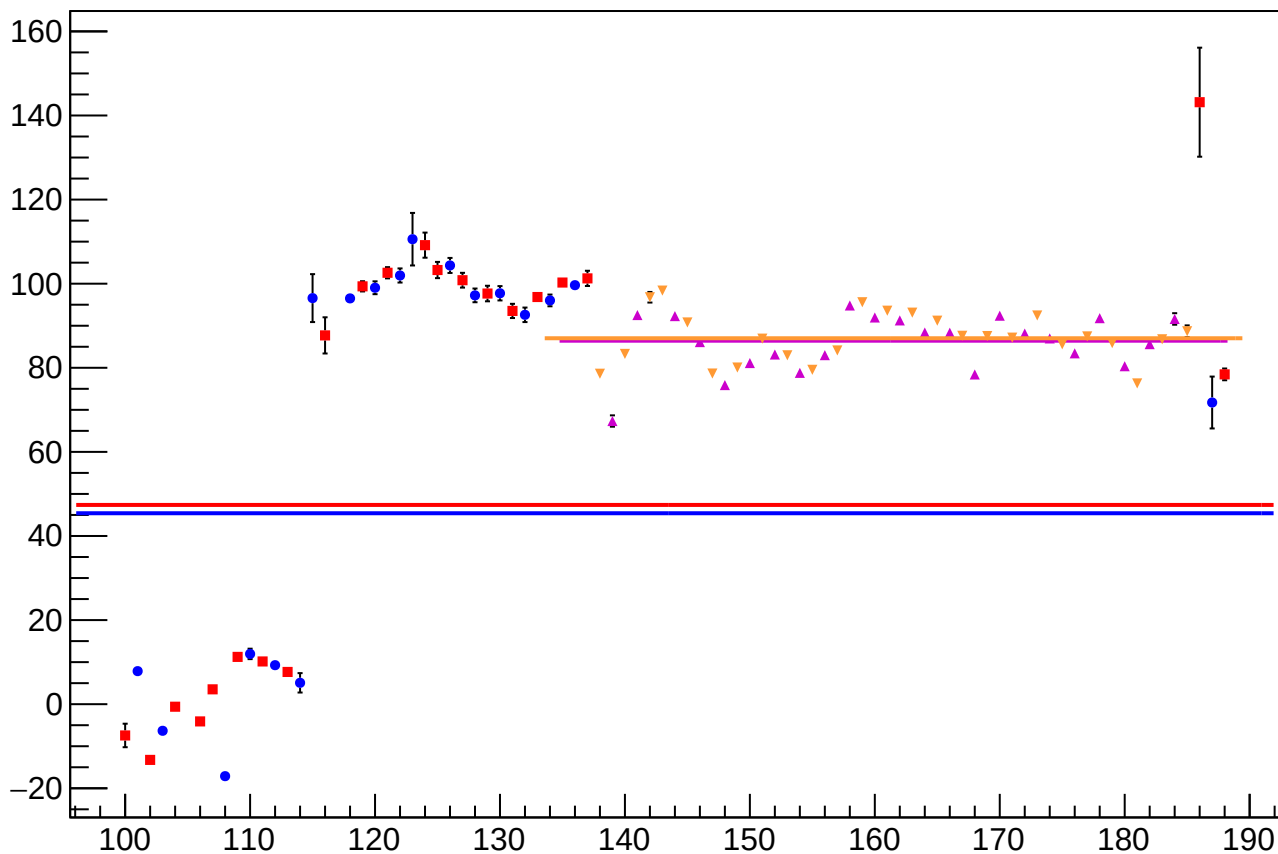
Right: 2.527 $\pm$ 0.265 χ^2 /NDF: 492.9/38

In: 11.524 $\pm$ 0.185 χ^2 /NDF: 3029.3/40

Out: 10.534 $\pm$ 0.172 χ^2 /NDF: 3874.1/45

All: 10.993 $\pm$ 0.126 χ^2 /NDF: 6918.8/86

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.407 $\pm$ 0.303 χ^2 /NDF: 25089.3/17

Left Out: 87.023 $\pm$ 0.179 χ^2 /NDF:1057.2/24

Right Out: 47.385 $\pm$ 0.283 χ^2 /NDF: 28790.2/20

Left In: 86.443 $\pm$ 0.184 χ^2 /NDF:1038.6/22

Left: 86.740 $\pm$ 0.128 χ^2 /NDF: 2100.8/47

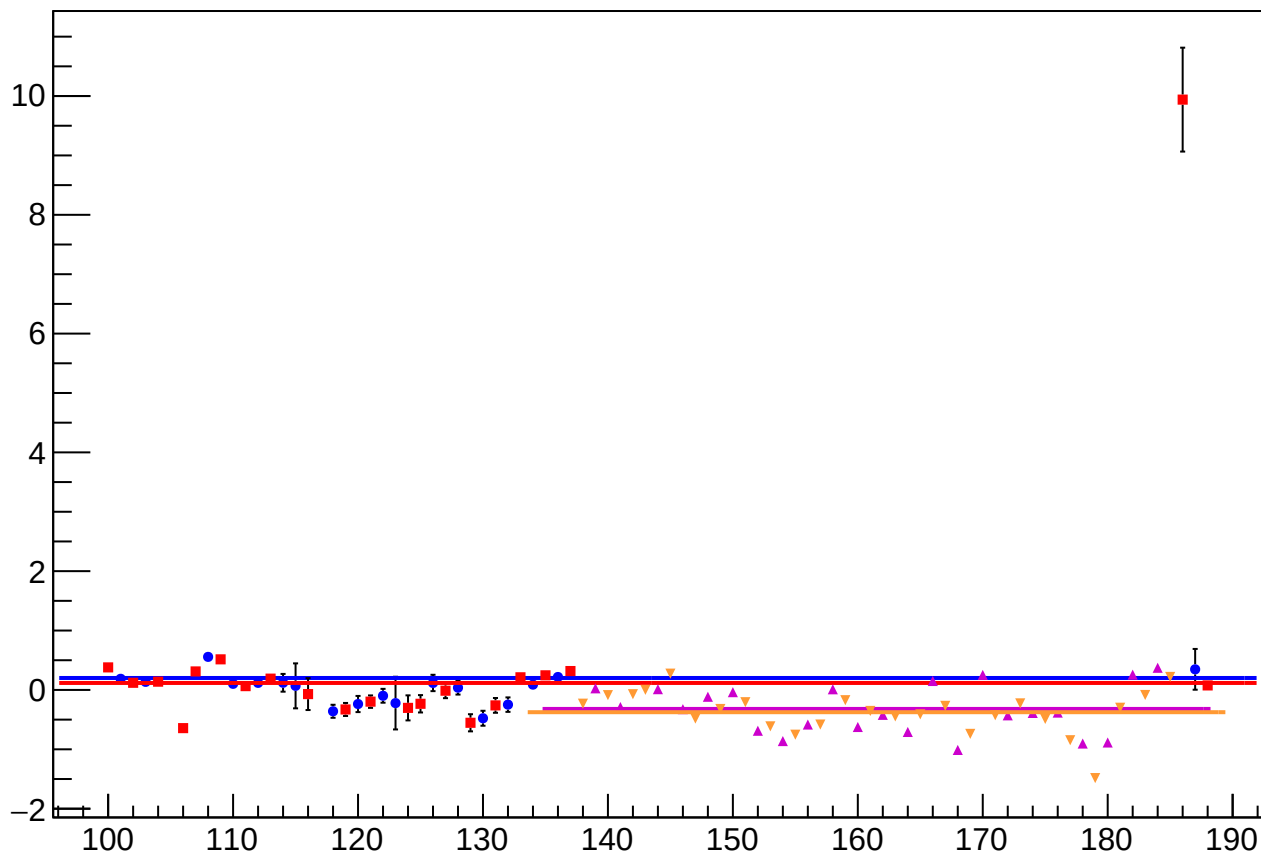
Right: 46.462 $\pm$ 0.207 χ^2 /NDF: 53902.2/38

In: 75.381 $\pm$ 0.157 χ^2 /NDF:39536.6/40

Out: 75.675 $\pm$ 0.152 χ^2 /NDF:43810.2/45

All: 75.534 $\pm$ 0.109 χ^2 /NDF: 83348.7/86

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.014 χ^2/NDF : 218.0/17

Left Out: -0.375 ± 0.008 χ^2/NDF : 1657.5/24

Right Out: 0.117 ± 0.013 χ^2/NDF : 626.7/20

Left In: -0.320 ± 0.008 χ^2/NDF : 2325.0/22

Left: -0.348 ± 0.006 χ^2/NDF : 4005.2/47

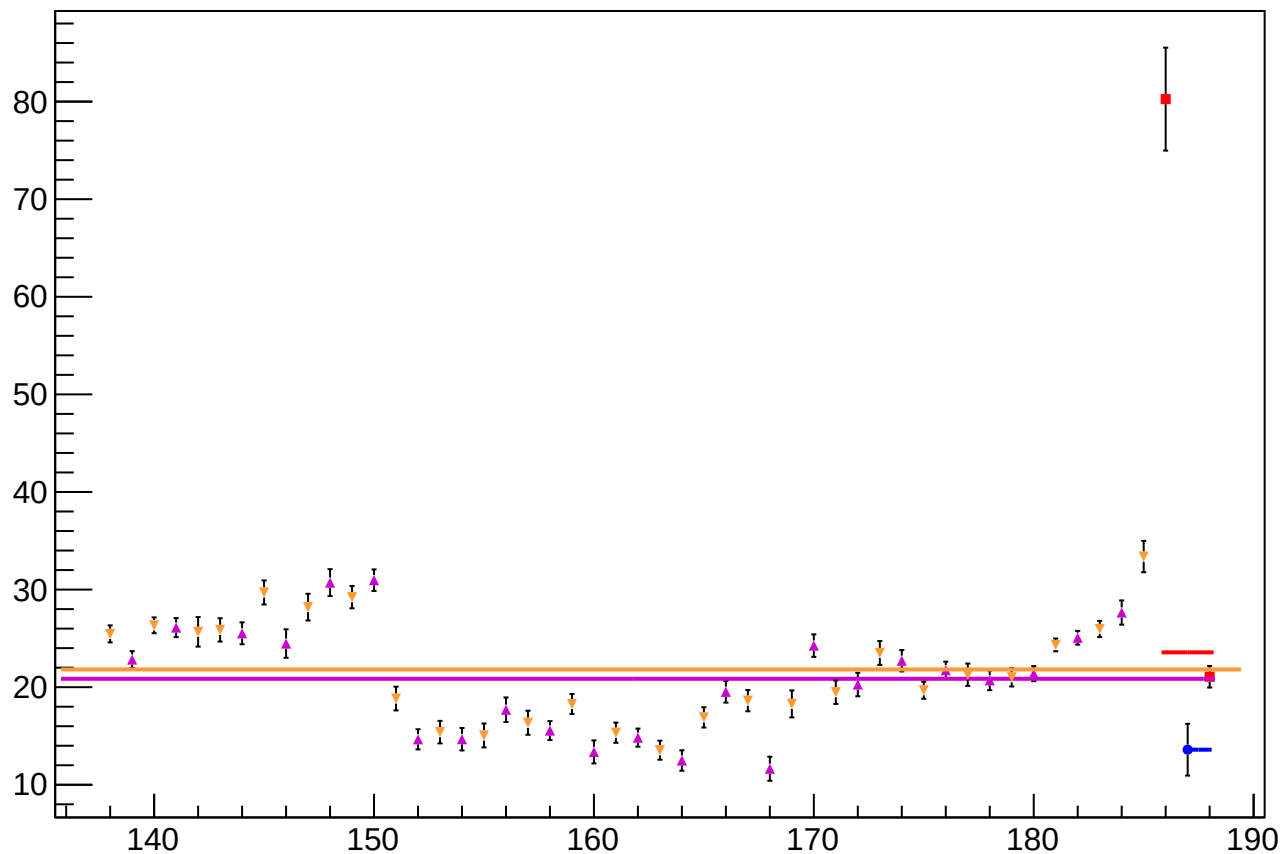
Right: 0.155 ± 0.009 χ^2/NDF : 864.3/38

In: -0.188 ± 0.007 χ^2/NDF : 3576.1/40

Out: -0.232 ± 0.007 χ^2/NDF : 3347.2/45

All: -0.211 ± 0.005 χ^2/NDF : 6942.8/86

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 13.595+/-2.654 χ^2 /NDF: 0.0/0

Left Out: 21.818+/-0.210 χ^2 /NDF:522.7/24

Right Out: 23.568+/-1.083 χ^2 /NDF: 120.6/1

Left In: 20.860+/-0.216 χ^2 /NDF:575.5/22

Left: 21.351+/-0.151 χ^2 /NDF: 1108.3/47

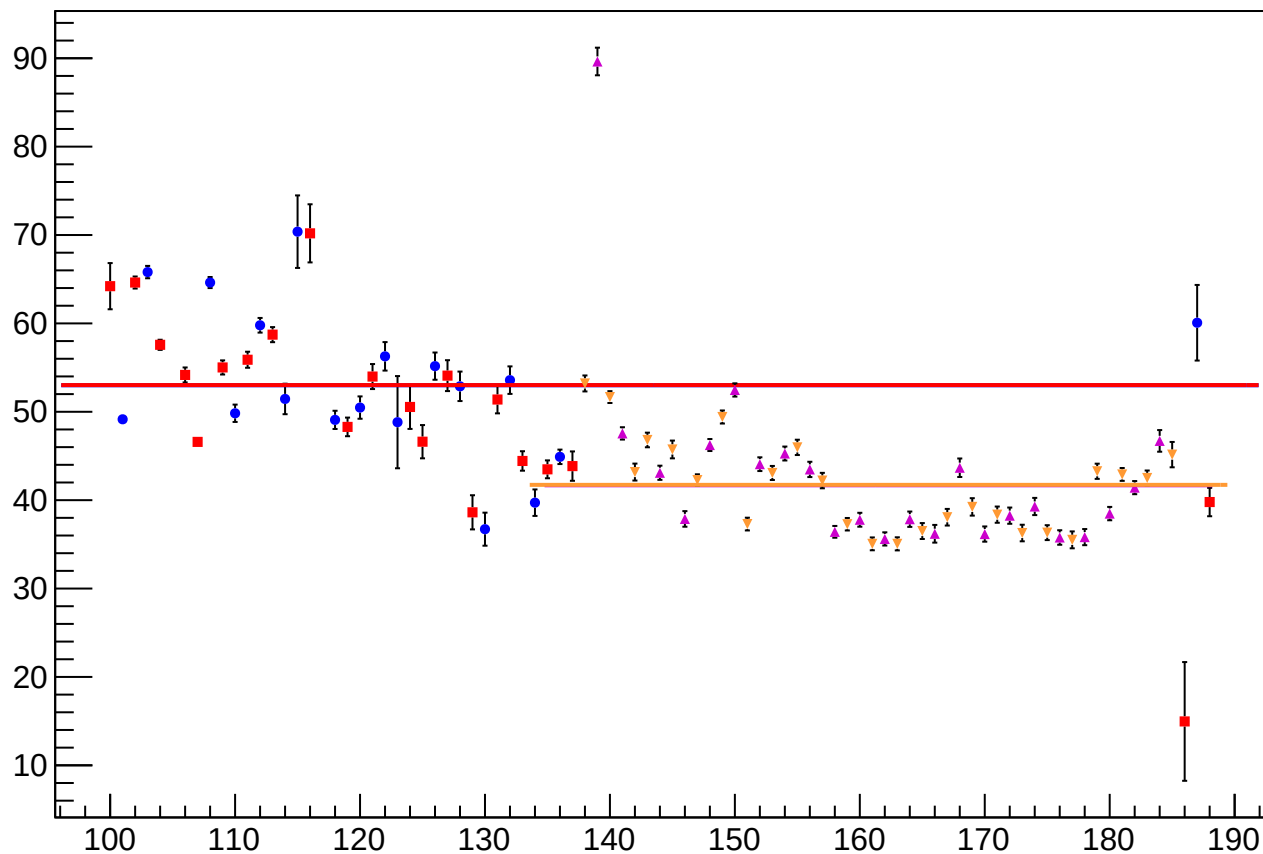
Right: 22.144+/-1.003 χ^2 /NDF: 132.7/2

In: 20.813+/-0.215 χ^2 /NDF:583.0/23

Out: 21.882+/-0.206 χ^2 /NDF:645.8/26

All: 21.369+/-0.149 χ^2 /NDF: 1241.7/50

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.998+/-0.210 χ^2/NDF : 1200.5/17

Left Out: 41.732+/-0.166 χ^2/NDF : 1014.0/24

Right Out: 53.021+/-0.224 χ^2/NDF : 974.4/20

Left In: 41.682+/-0.173 χ^2/NDF : 1715.9/22

Left: 41.709+/-0.120 χ^2/NDF : 2729.9/47

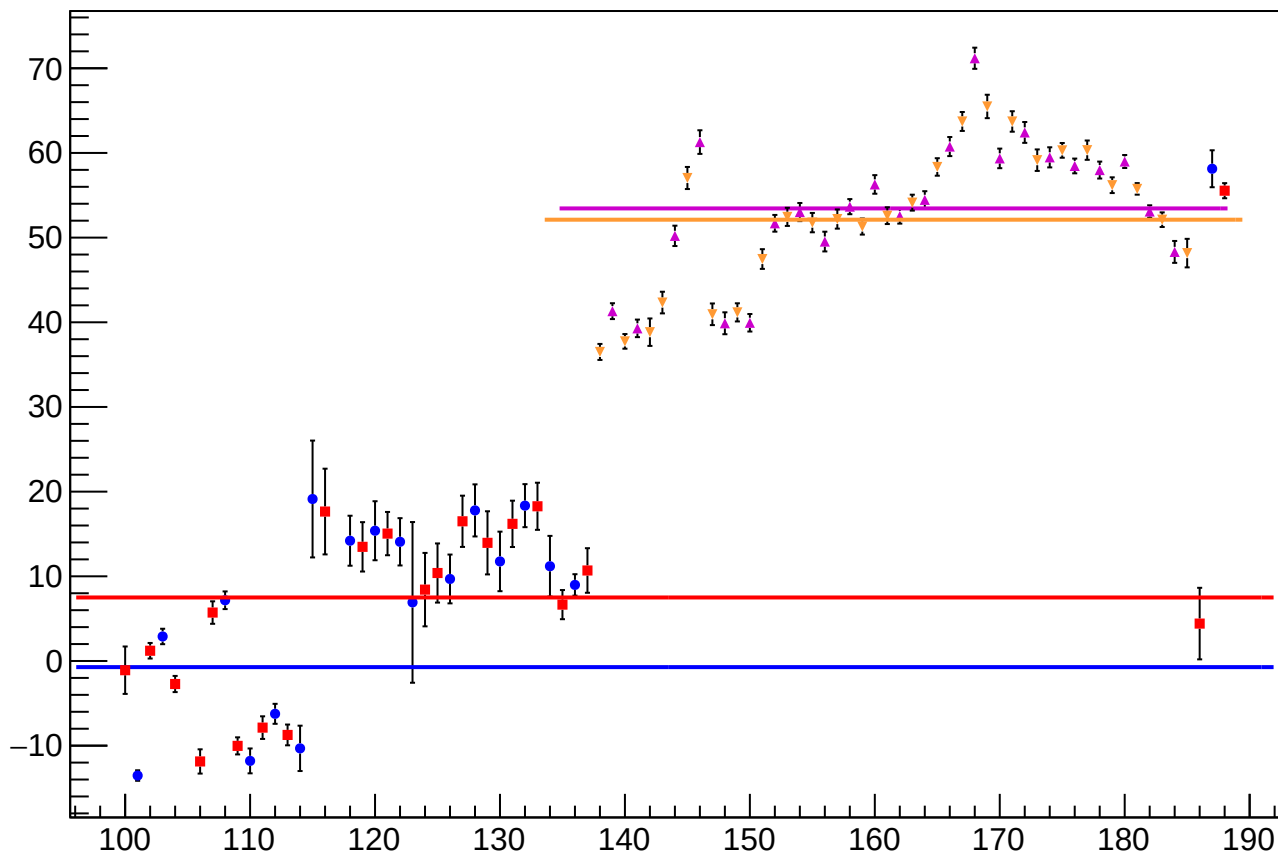
Right: 53.009+/-0.153 χ^2/NDF : 2174.9/38

In: 46.272+/-0.134 χ^2/NDF : 4643.6/40

Out: 45.722+/-0.133 χ^2/NDF : 3625.6/45

All: 45.997+/-0.094 χ^2/NDF : 8277.7/86

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.724 ± 0.359 χ^2/NDF : 1588.9/17

Left Out: 52.116 ± 0.210 χ^2/NDF : 1445.4/24

Right Out: 7.501 ± 0.346 χ^2/NDF : 3916.0/20

Left In: 53.447 ± 0.214 χ^2/NDF : 1167.6/22

Left: 52.769 ± 0.150 χ^2/NDF : 2632.6/47

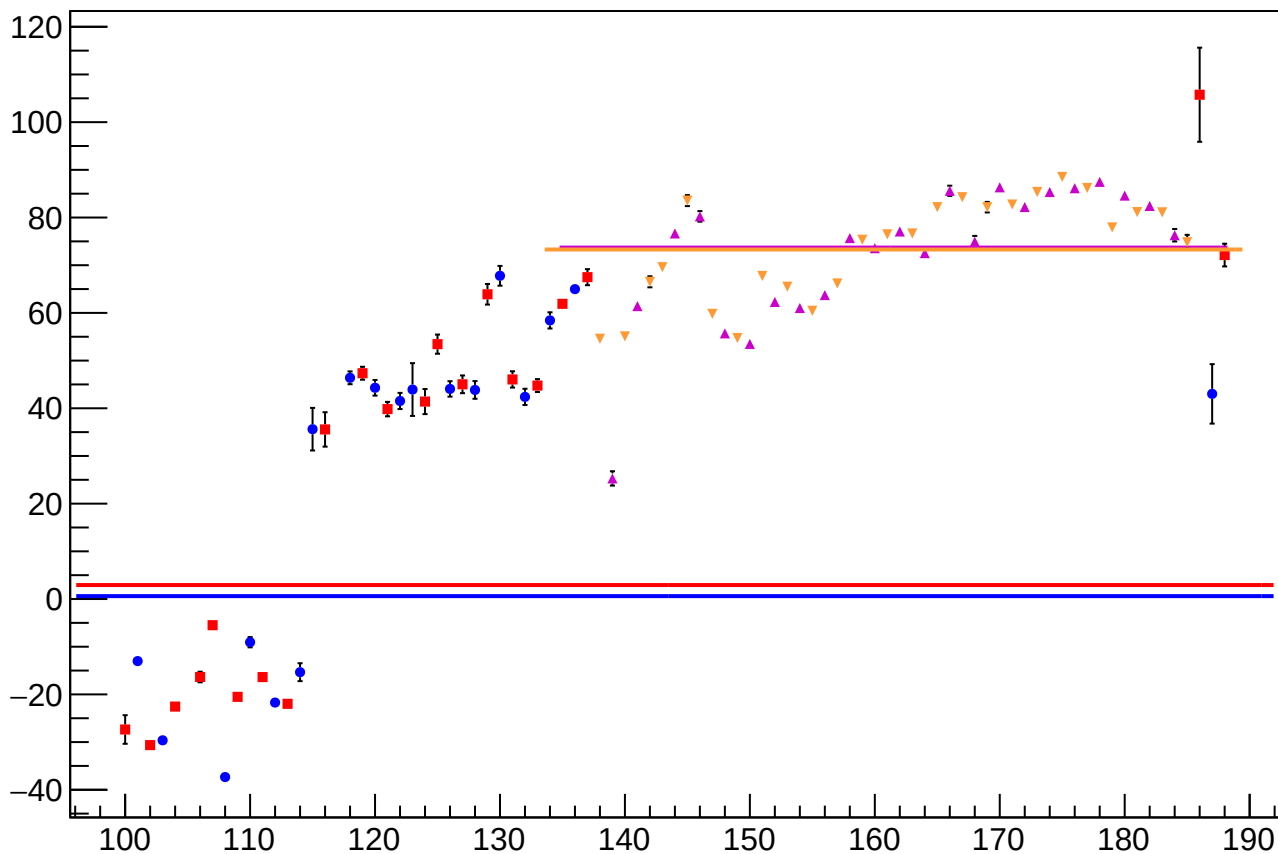
Right: 3.538 ± 0.249 χ^2/NDF : 5777.1/38

In: 39.195 ± 0.184 χ^2/NDF : 19548.4/40

Out: 40.072 ± 0.180 χ^2/NDF : 17494.7/45

All: 39.644 ± 0.129 χ^2/NDF : 37054.7/86

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.608 $\pm$ 0.247 χ^2 /NDF: 18470.2/17

Left Out: 73.294 $\pm$ 0.187 χ^2 /NDF:3148.2/24

Right Out: 2.930 $\pm$ 0.265 χ^2 /NDF: 16441.4/20

Left In: 73.699 $\pm$ 0.194 χ^2 /NDF:3901.1/22

Left: 73.489 $\pm$ 0.135 χ^2 /NDF: 7051.6/47

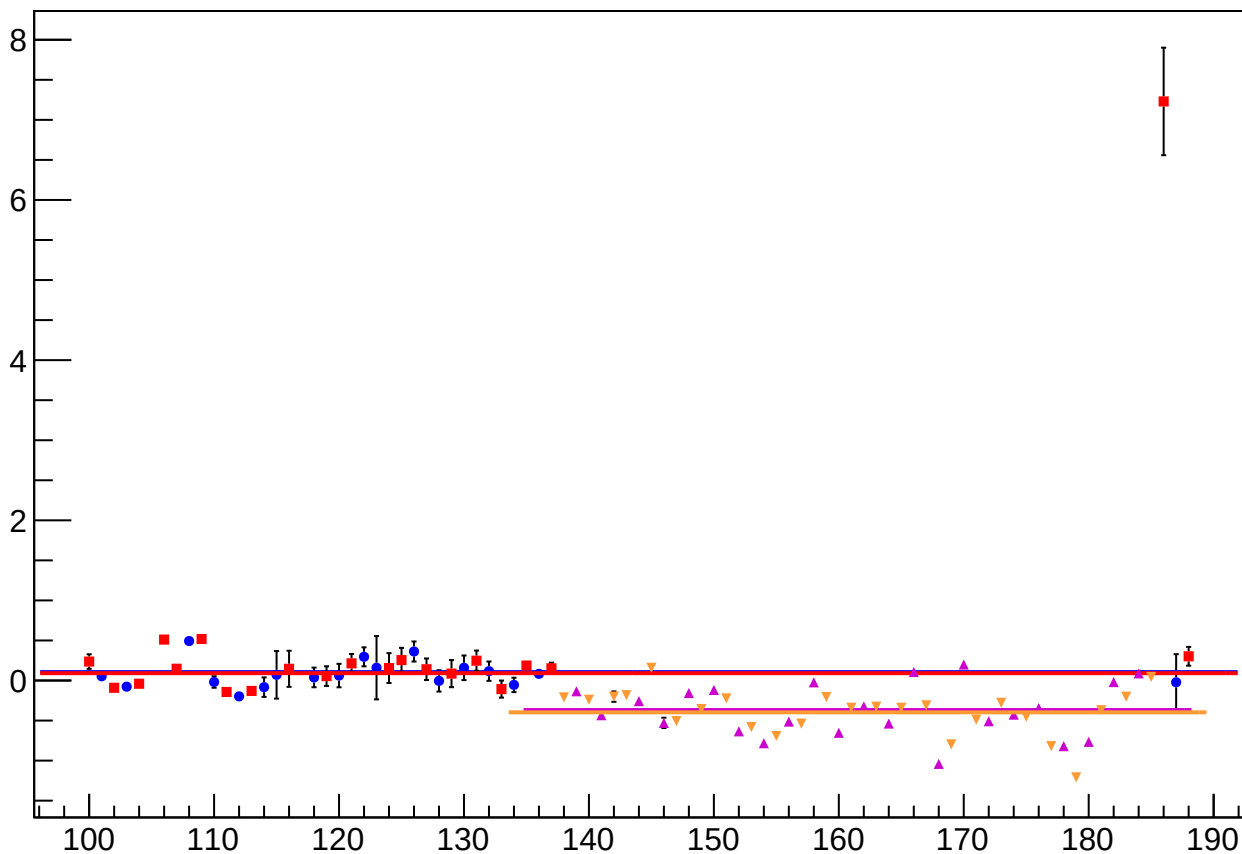
Right: 1.686 $\pm$ 0.180 χ^2 /NDF: 34952.8/38

In: 45.769 $\pm$ 0.152 χ^2 /NDF:76691.1/40

Out: 49.819 $\pm$ 0.153 χ^2 /NDF:66651.4/45

All: 47.787 $\pm$ 0.108 χ^2 /NDF: 143694.4/86

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105+/-0.011 χ^2/NDF : 400.9/17

Left Out: -0.397+/-0.009 χ^2/NDF : 943.5/24

Right Out: 0.092+/-0.011 χ^2/NDF : 507.4/20

Left In: -0.369+/-0.009 χ^2/NDF : 1322.7/22

Left: -0.383+/-0.006 χ^2/NDF : 2271.6/47

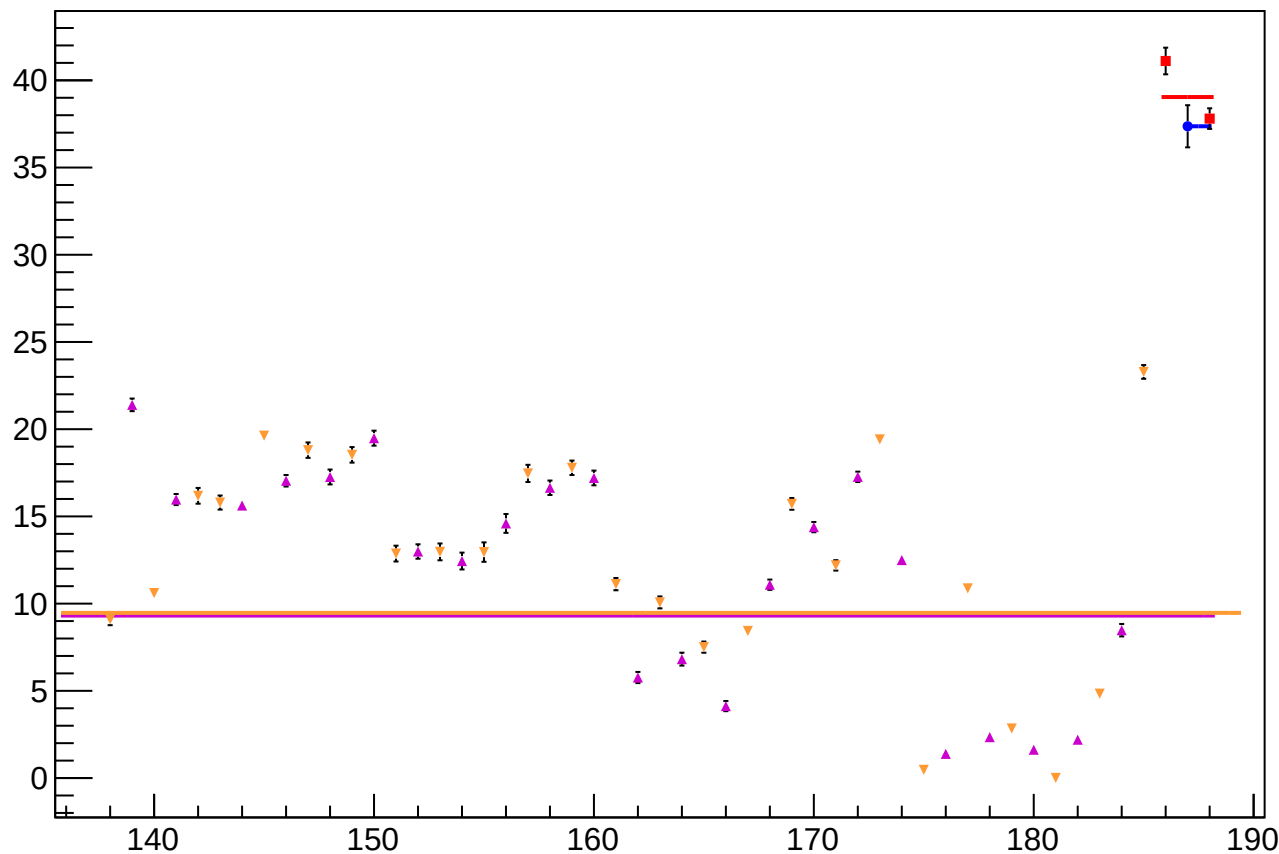
Right: 0.098+/-0.008 χ^2/NDF : 909.0/38

In: -0.188+/-0.007 χ^2/NDF : 2864.7/40

Out: -0.212+/-0.007 χ^2/NDF : 2686.3/45

All: -0.200+/-0.005 χ^2/NDF : 5557.0/86

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 37.366+/-1.208 χ^2/NDF : 0.0/0

Left Out: 9.470+/-0.061 χ^2/NDF :12578.0/24

Right Out: 39.042+/-0.468 χ^2/NDF : 11.7/1

Left In: 9.315+/-0.063 χ^2/NDF :11007.3/22

Left: 9.394+/-0.044 χ^2/NDF : 23588.5/47

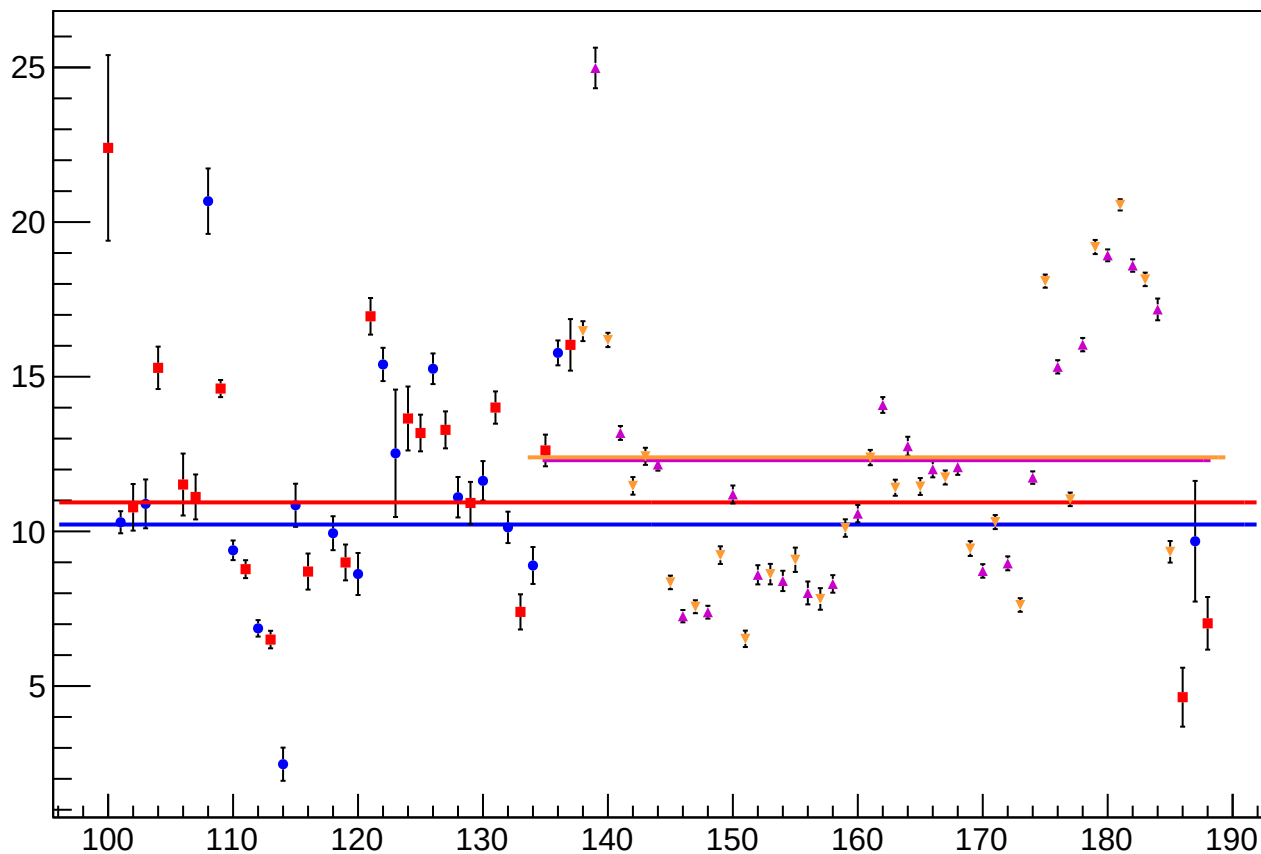
Right: 38.823+/-0.436 χ^2/NDF : 13.4/2

In: 9.390+/-0.063 χ^2/NDF :11545.1/23

Out: 9.970+/-0.061 χ^2/NDF :16522.3/26

All: 9.689+/-0.044 χ^2/NDF : 28111.5/50

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.222 $\pm$ 0.119 χ^2/NDF : 877.7/17

Left Out: 12.393 $\pm$ 0.050 χ^2/NDF : 7525.9/24

Right Out: 10.937 $\pm$ 0.114 χ^2/NDF : 884.0/20

Left In: 12.302 $\pm$ 0.051 χ^2/NDF : 5661.3/22

Left: 12.349 $\pm$ 0.036 χ^2/NDF : 13188.8/47

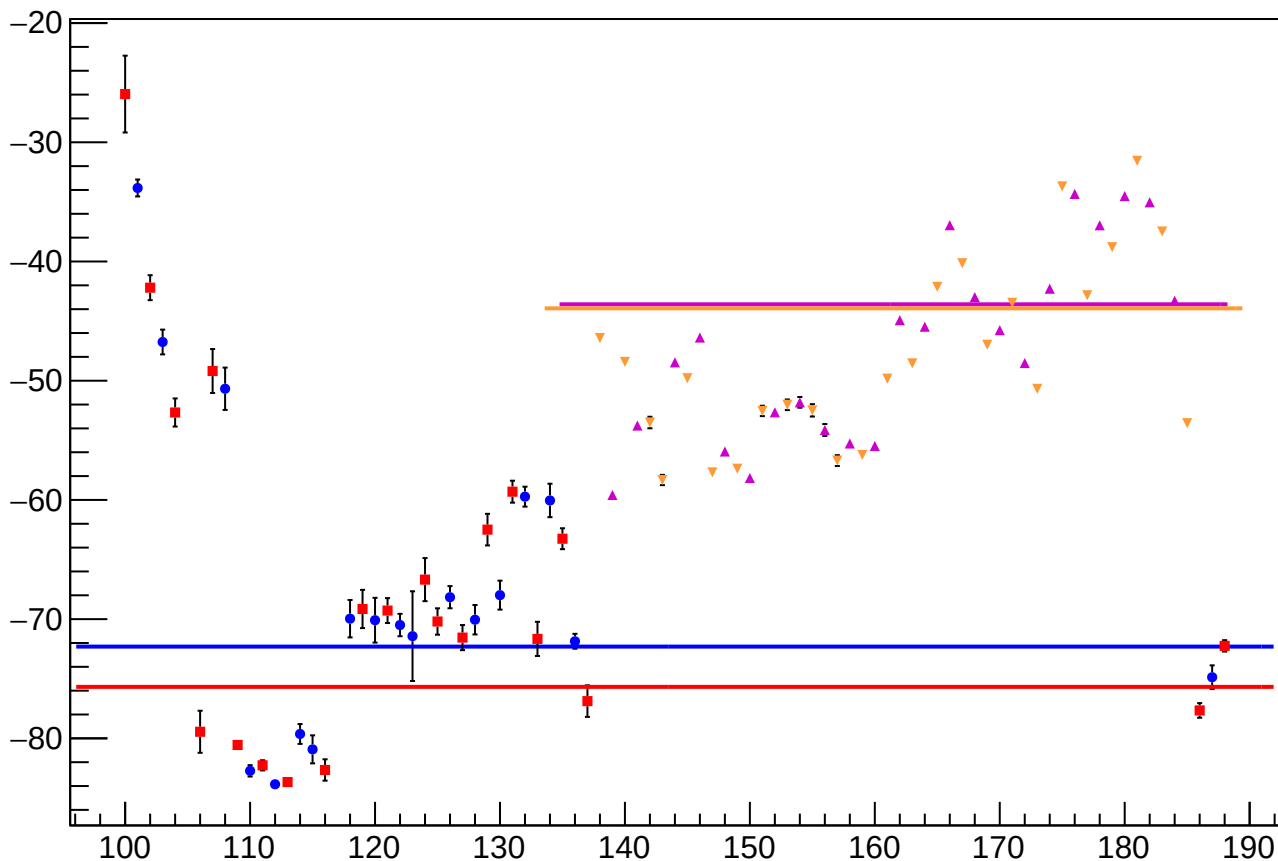
Right: 10.592 $\pm$ 0.082 χ^2/NDF : 1780.5/38

In: 11.977 $\pm$ 0.047 χ^2/NDF : 6798.1/40

Out: 12.161 $\pm$ 0.046 χ^2/NDF : 8545.9/45

All: 12.072 $\pm$ 0.033 χ^2/NDF : 15351.9/86

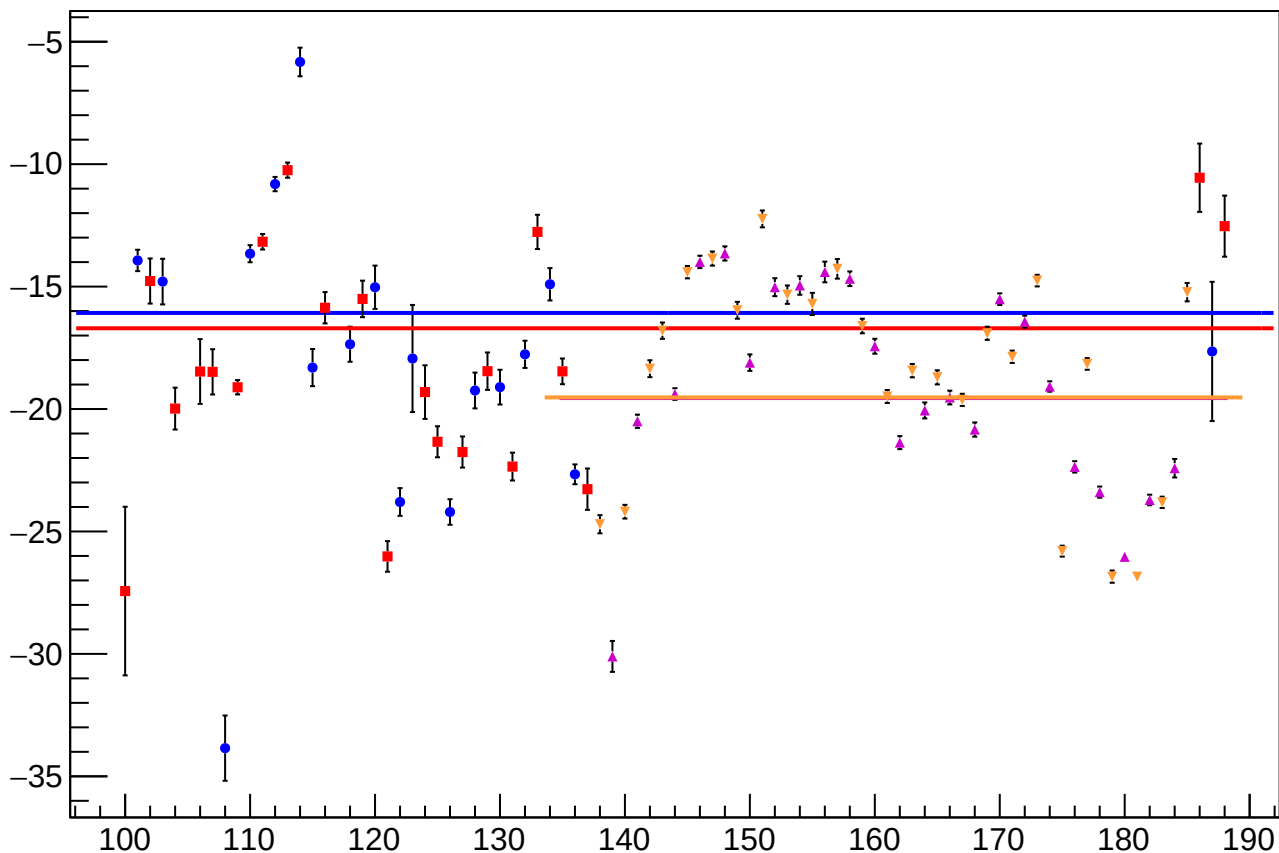
reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.303 ± 0.194 $\chi^2/\text{NDF}: 5573.9/17$
 Left Out: -43.930 ± 0.062 $\chi^2/\text{NDF}: 17576.0/24$
 Right Out: -75.681 ± 0.163 $\chi^2/\text{NDF}: 3530.7/20$
 Left In: -43.591 ± 0.063 $\chi^2/\text{NDF}: 15574.9/22$

Left: -43.763 ± 0.044 $\chi^2/\text{NDF}: 33165.5/47$
 Right: -74.281 ± 0.125 $\chi^2/\text{NDF}: 9282.4/38$
 In: -46.339 ± 0.060 $\chi^2/\text{NDF}: 40979.1/40$
 Out: -47.940 ± 0.058 $\chi^2/\text{NDF}: 54202.1/45$
 All: -47.166 ± 0.042 $\chi^2/\text{NDF}: 95549.5/86$

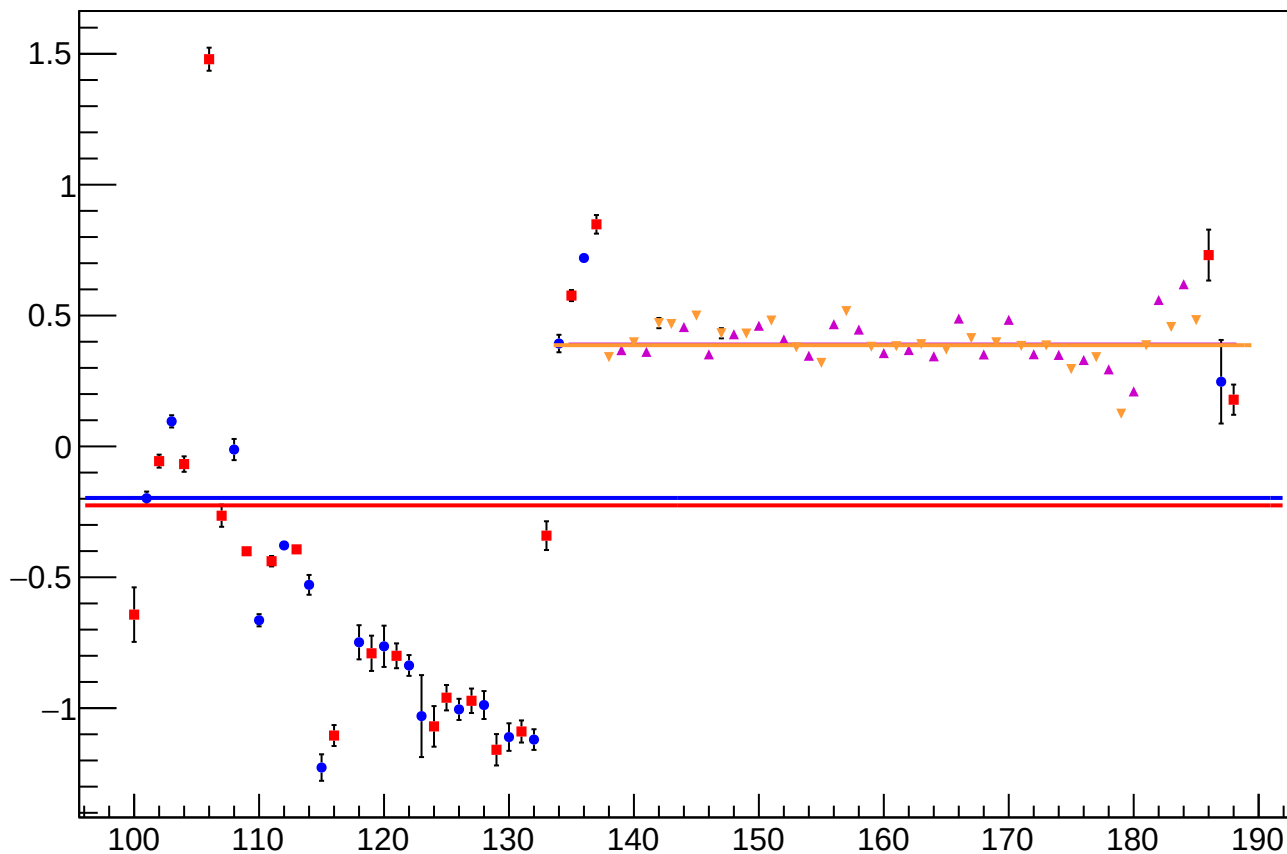
reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.076 ± 0.132 $\chi^2/\text{NDF}: 1641.2/17$
 Left Out: -19.526 ± 0.056 $\chi^2/\text{NDF}: 6493.0/24$
 Right Out: -16.703 ± 0.127 $\chi^2/\text{NDF}: 1246.9/20$
 Left In: -19.552 ± 0.057 $\chi^2/\text{NDF}: 4359.1/22$

Left: -19.539 ± 0.040 $\chi^2/\text{NDF}: 10852.2/47$
 Right: -16.401 ± 0.091 $\chi^2/\text{NDF}: 2899.9/38$
 In: -19.004 ± 0.052 $\chi^2/\text{NDF}: 6584.7/40$
 Out: -19.068 ± 0.051 $\chi^2/\text{NDF}: 8154.1/45$
 All: -19.036 ± 0.037 $\chi^2/\text{NDF}: 14739.6/86$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.197 $\pm$ 0.008 χ^2 /NDF: 6346.5/17

Left Out: 0.387 $\pm$ 0.003 χ^2 /NDF:989.2/24

Right Out: -0.225 $\pm$ 0.007 χ^2 /NDF: 6370.0/20

Left In: 0.389 $\pm$ 0.003 χ^2 /NDF:1257.1/22

Left: 0.388 $\pm$ 0.002 χ^2 /NDF: 2246.7/47

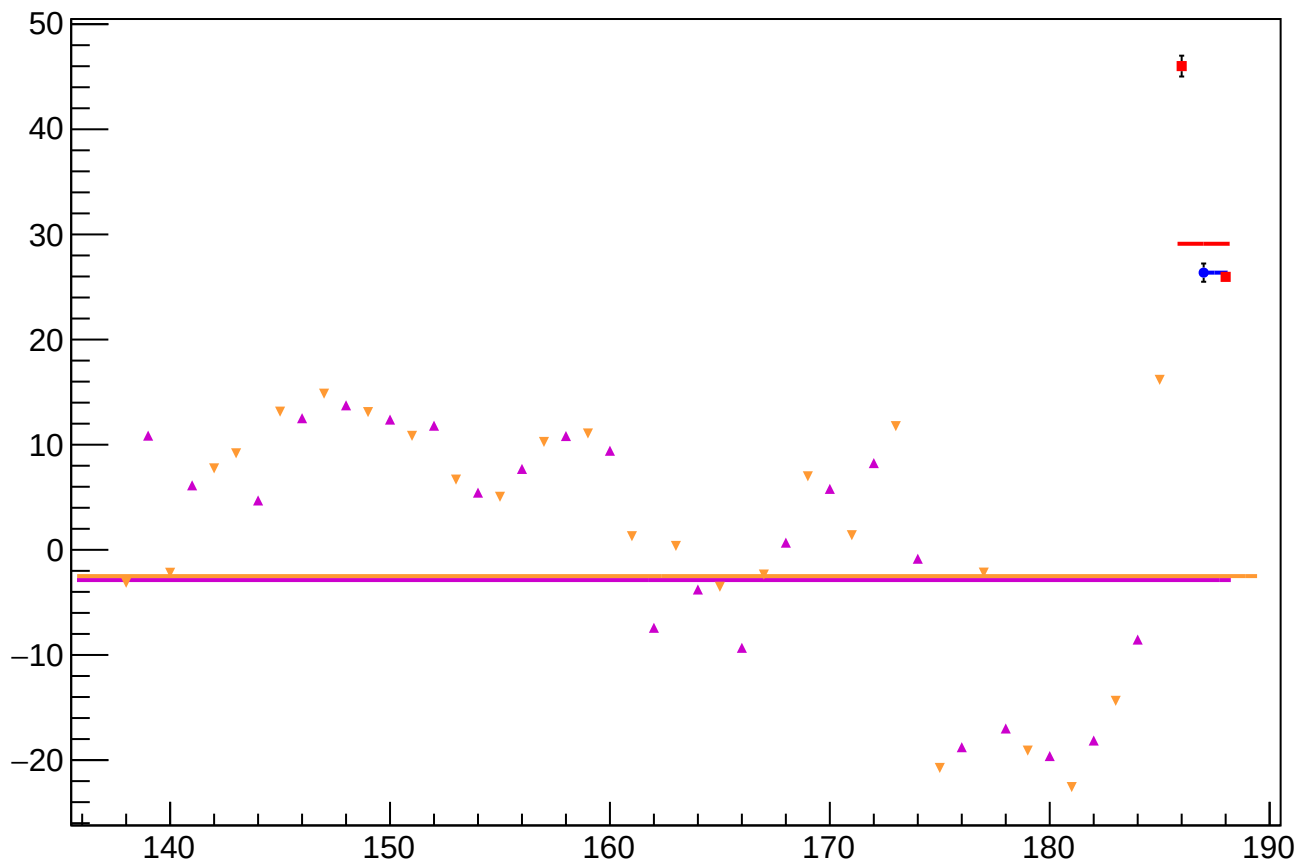
Right: -0.212 $\pm$ 0.005 χ^2 /NDF: 12724.1/38

In: 0.326 $\pm$ 0.002 χ^2 /NDF:13013.6/40

Out: 0.316 $\pm$ 0.002 χ^2 /NDF:13939.2/45

All: 0.321 $\pm$ 0.002 χ^2 /NDF: 26961.4/86

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 26.366 $\pm$ 0.868 χ^2 /NDF: 0.0/0

Left Out: -2.499 $\pm$ 0.053 χ^2 /NDF: 55930.9/24

Right Out: 29.112 $\pm$ 0.393 χ^2 /NDF: 345.0/1

Left In: -2.876 $\pm$ 0.055 χ^2 /NDF: 46380.9/22

Left: -2.681 $\pm$ 0.038 χ^2 /NDF: 102336.4/47

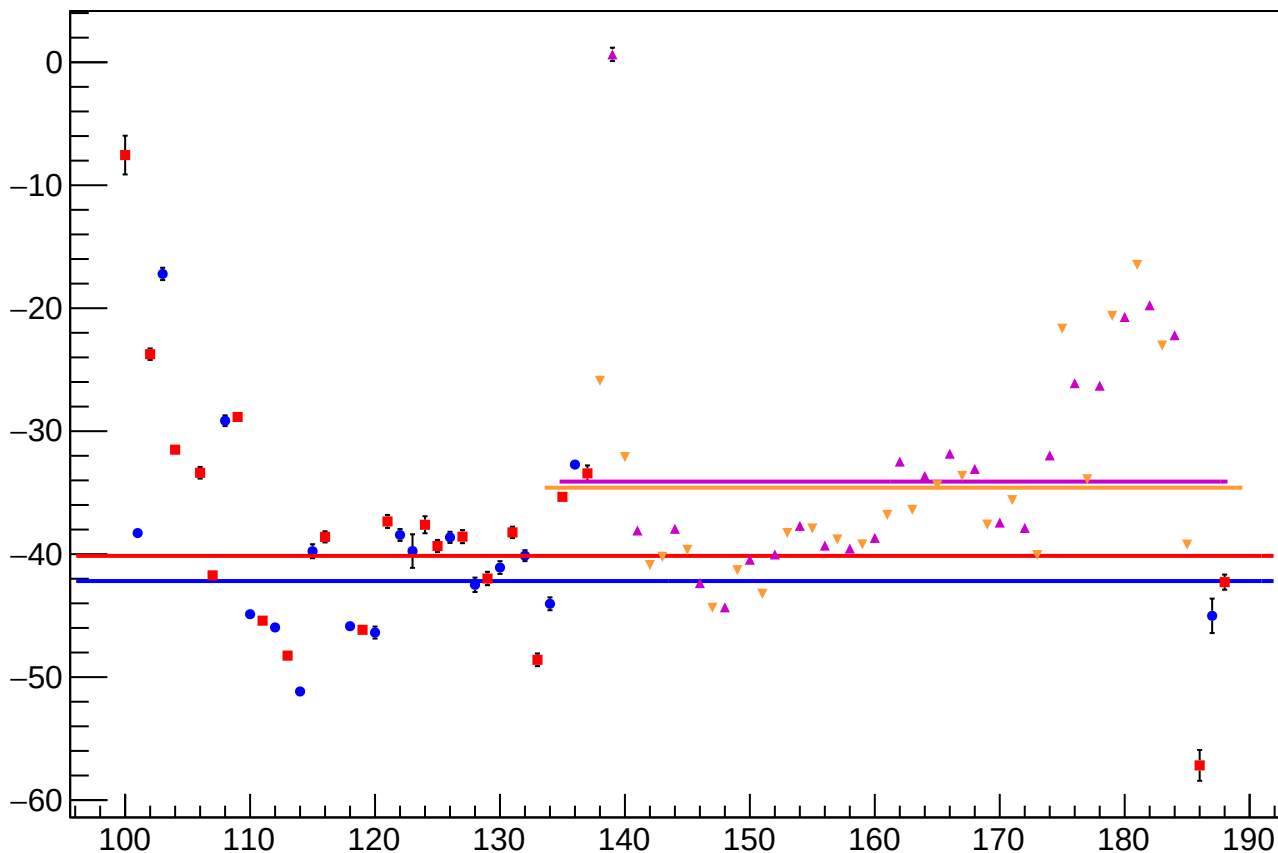
Right: 28.646 $\pm$ 0.358 χ^2 /NDF: 353.3/2

In: -2.761 $\pm$ 0.055 χ^2 /NDF: 47511.5/23

Out: -1.935 $\pm$ 0.052 χ^2 /NDF: 62639.9/26

All: -2.332 $\pm$ 0.038 χ^2 /NDF: 110270.6/50

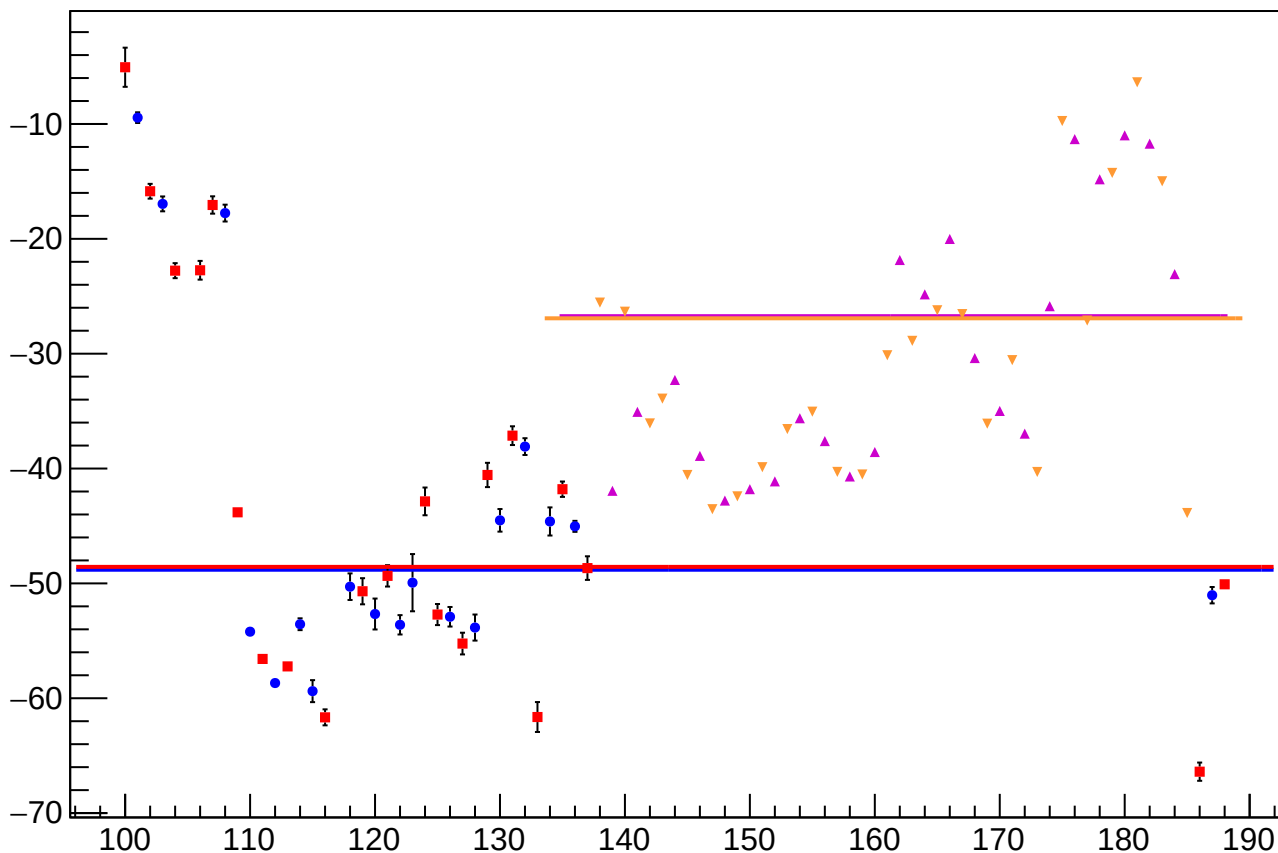
reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.187 ± 0.078 $\chi^2/\text{NDF}: 6577.8/17$
 Left Out: -34.594 ± 0.042 $\chi^2/\text{NDF}: 34404.6/24$
 Right Out: -40.140 ± 0.072 $\chi^2/\text{NDF}: 11512.0/20$
 Left In: -34.099 ± 0.044 $\chi^2/\text{NDF}: 29370.6/22$

Left: -34.358 ± 0.030 $\chi^2/\text{NDF}: 63841.7/47$
 Right: -41.089 ± 0.053 $\chi^2/\text{NDF}: 18463.1/38$
 In: -36.055 ± 0.038 $\chi^2/\text{NDF}: 44175.7/40$
 Out: -35.995 ± 0.036 $\chi^2/\text{NDF}: 50329.9/45$
 All: -36.023 ± 0.026 $\chi^2/\text{NDF}: 94507.0/86$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.810 ± 0.123 $\chi^2/\text{NDF}: 14668.5/17$

Left Out: -26.920 ± 0.053 $\chi^2/\text{NDF}: 49198.9/24$

Right Out: -48.562 ± 0.102 $\chi^2/\text{NDF}: 12274.5/20$

Left In: -26.733 ± 0.055 $\chi^2/\text{NDF}: 42643.0/22$

Left: -26.829 ± 0.038 $\chi^2/\text{NDF}: 91847.9/47$

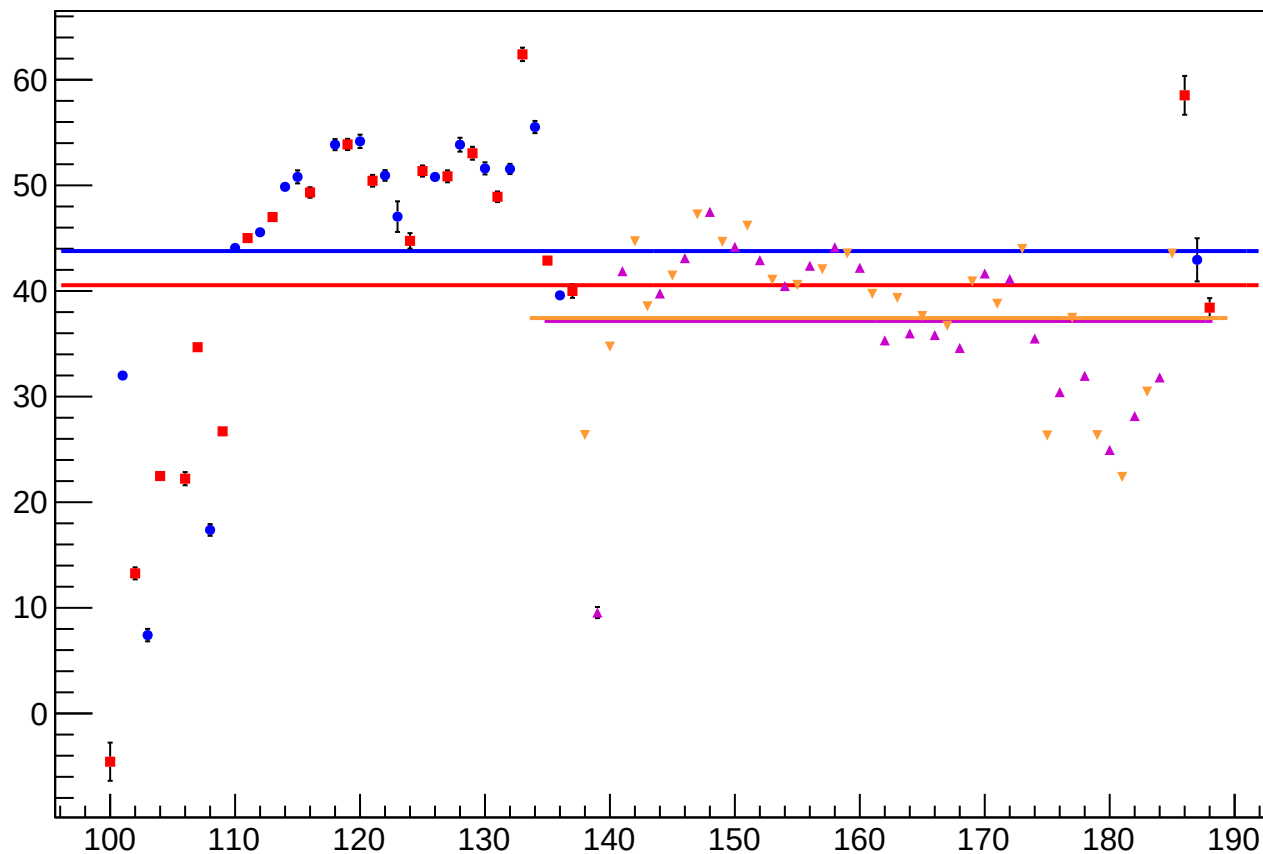
Right: -48.663 ± 0.078 $\chi^2/\text{NDF}: 26945.4/38$

In: -30.402 ± 0.050 $\chi^2/\text{NDF}: 84360.1/40$

Out: -31.598 ± 0.047 $\chi^2/\text{NDF}: 97063.5/45$

All: -31.034 ± 0.034 $\chi^2/\text{NDF}: 181726.0/86$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.781 $\pm$ 0.087 χ^2 /NDF: 10638.9/17

Left Out: 37.435 $\pm$ 0.047 χ^2 /NDF:21517.4/24

Right Out: 40.548 $\pm$ 0.080 χ^2 /NDF: 17681.8/20

Left In: 37.164 $\pm$ 0.049 χ^2 /NDF:17427.3/22

Left: 37.305 $\pm$ 0.034 χ^2 /NDF: 38960.5/47

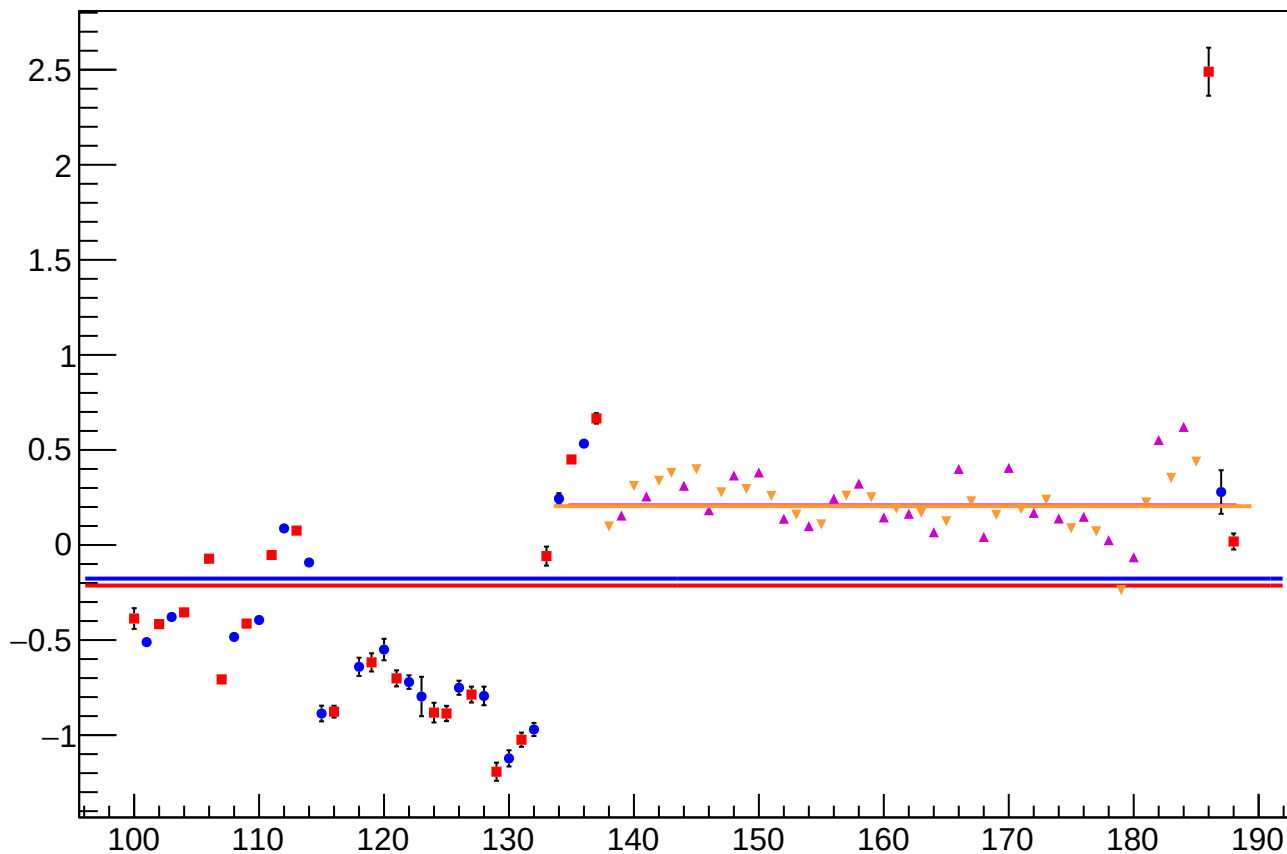
Right: 42.033 $\pm$ 0.059 χ^2 /NDF: 29074.8/38

In: 38.776 $\pm$ 0.043 χ^2 /NDF:32486.8/40

Out: 38.245 $\pm$ 0.041 χ^2 /NDF:40325.0/45

All: 38.498 $\pm$ 0.029 χ^2 /NDF: 72892.7/86

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7391.7/17

Left Out: 0.204 ± 0.002 χ^2/NDF : 3801.8/24

Right Out: -0.213 ± 0.004 χ^2/NDF : 7958.9/20

Left In: 0.208 ± 0.002 χ^2/NDF : 5095.2/22

Left: 0.206 ± 0.002 χ^2/NDF : 8898.7/47

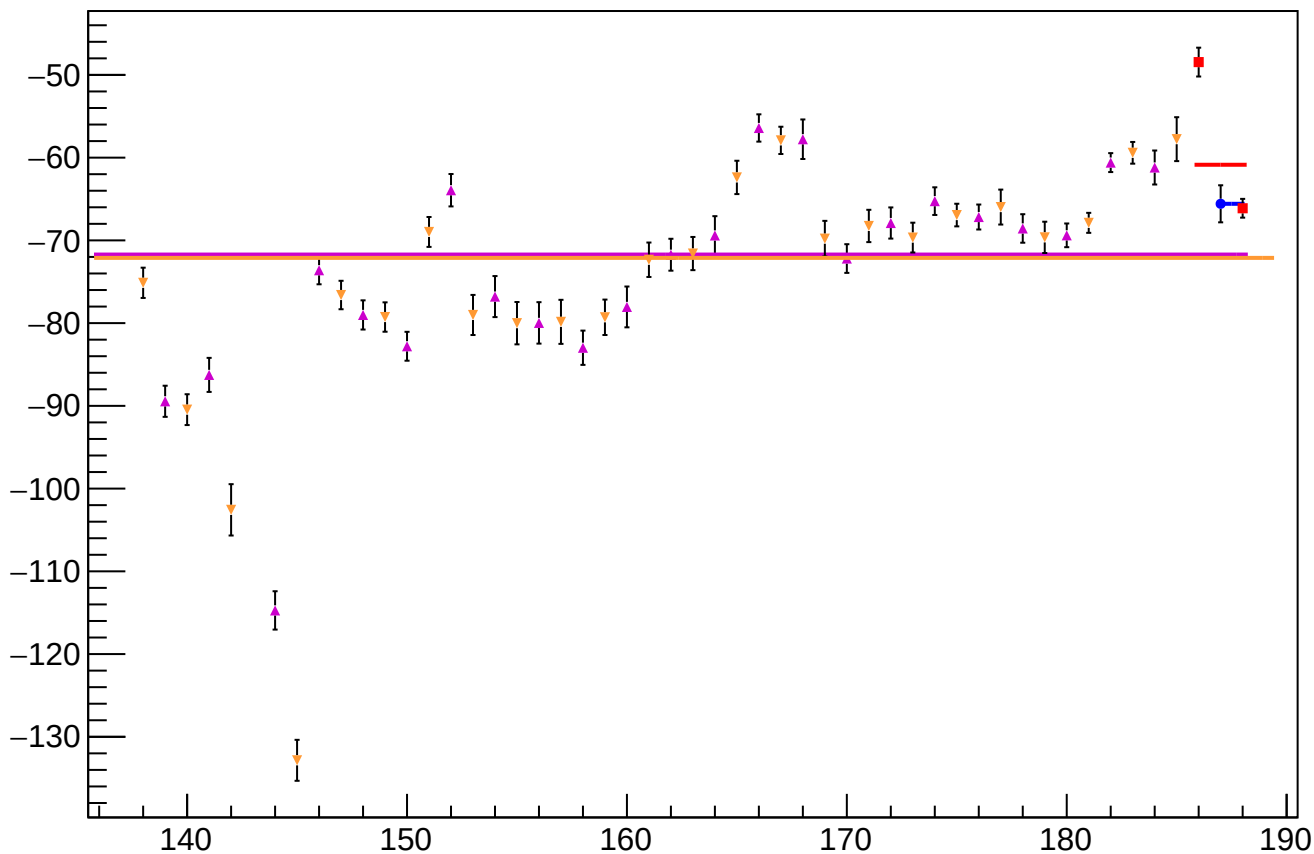
Right: -0.197 ± 0.003 χ^2/NDF : 15382.5/38

In: 0.140 ± 0.002 χ^2/NDF : 17717.2/40

Out: 0.118 ± 0.002 χ^2/NDF : 19328.3/45

All: 0.129 ± 0.001 χ^2/NDF : 37108.1/86

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



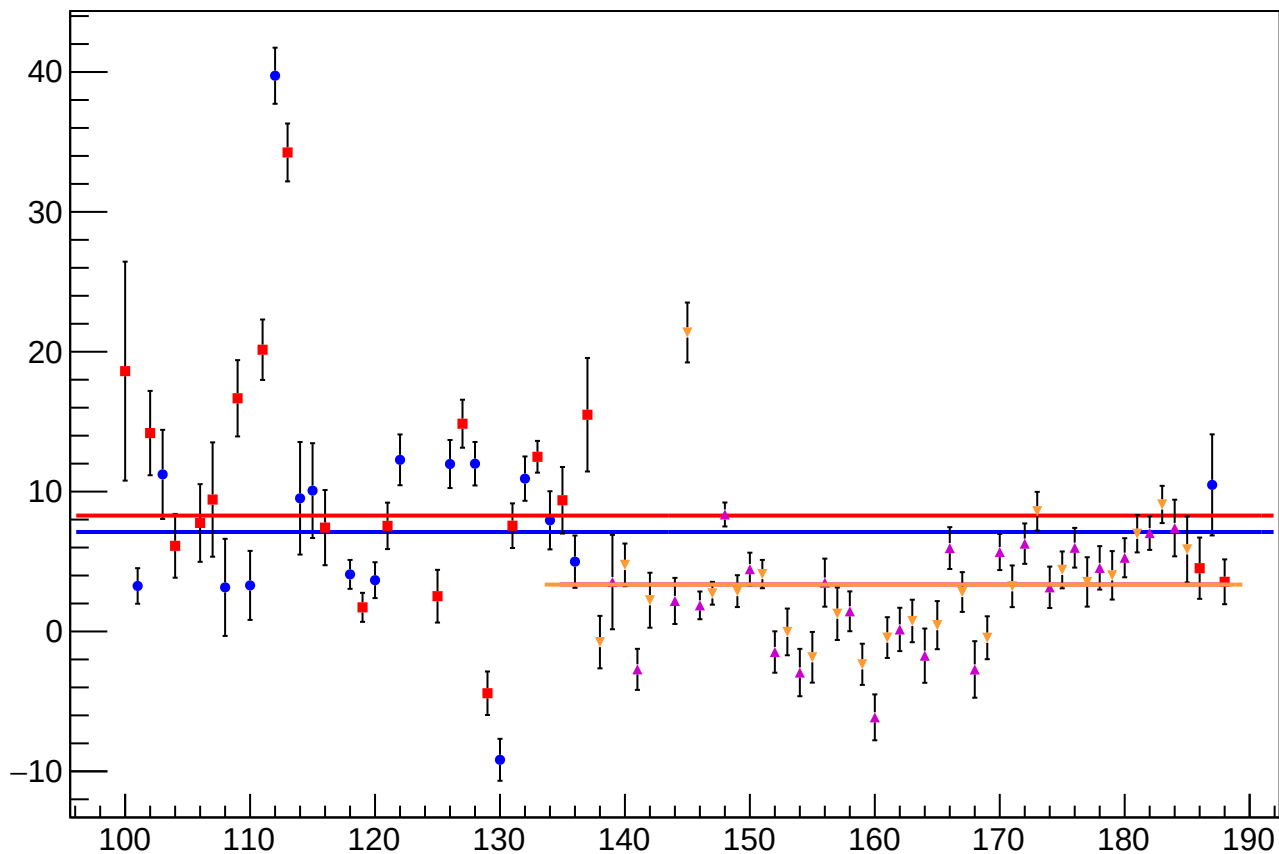
Right In: -65.579 $\pm$ 2.239 χ^2 /NDF: 0.0/0
 Left Out: -72.115 $\pm$ 0.383 χ^2 /NDF:1125.2/23
 Right Out: -60.860 $\pm$ 0.951 χ^2 /NDF: 72.1/1
 Left In: -71.713 $\pm$ 0.380 χ^2 /NDF:884.6/22

Left: -71.913 $\pm$ 0.270 χ^2 /NDF: 2010.3/46
 Right: -61.581 $\pm$ 0.875 χ^2 /NDF: 75.9/2

In: -71.541 $\pm$ 0.375 χ^2 /NDF:891.9/23
 Out: -70.546 $\pm$ 0.355 χ^2 /NDF:1317.8/25

All: -71.016 $\pm$ 0.258 χ^2 /NDF: 2213.5/49

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.112 ± 0.430 $\chi^2/\text{NDF}: 447.7/16$

Left Out: 3.353 ± 0.295 $\chi^2/\text{NDF}: 167.8/23$

Right Out: 8.286 ± 0.424 $\chi^2/\text{NDF}: 363.4/19$

Left In: 3.360 ± 0.298 $\chi^2/\text{NDF}: 164.5/22$

Left: 3.356 ± 0.209 $\chi^2/\text{NDF}: 332.3/46$

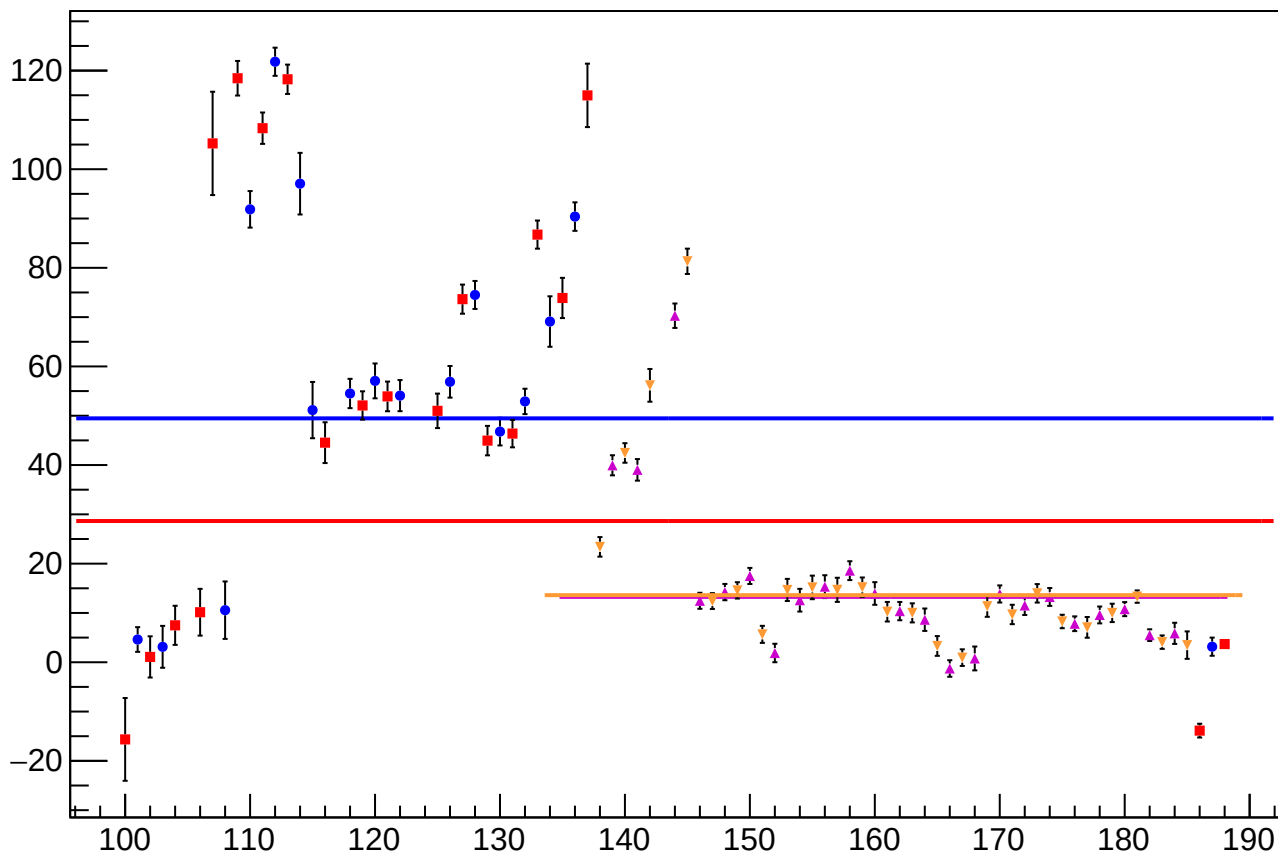
Right: 7.707 ± 0.302 $\chi^2/\text{NDF}: 815.0/36$

In: 4.573 ± 0.245 $\chi^2/\text{NDF}: 663.7/39$

Out: 4.958 ± 0.242 $\chi^2/\text{NDF}: 622.5/43$

All: 4.768 ± 0.172 $\chi^2/\text{NDF}: 1287.4/83$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 49.467 $\pm$ 0.758 χ^2 /NDF: 2258.6/16

Left Out: 13.610 $\pm$ 0.382 χ^2 /NDF:1303.3/23

Right Out: 28.644 $\pm$ 0.567 χ^2 /NDF: 5229.2/19

Left In: 13.262 $\pm$ 0.379 χ^2 /NDF:1077.0/22

Left: 13.434 $\pm$ 0.269 χ^2 /NDF: 2380.7/46

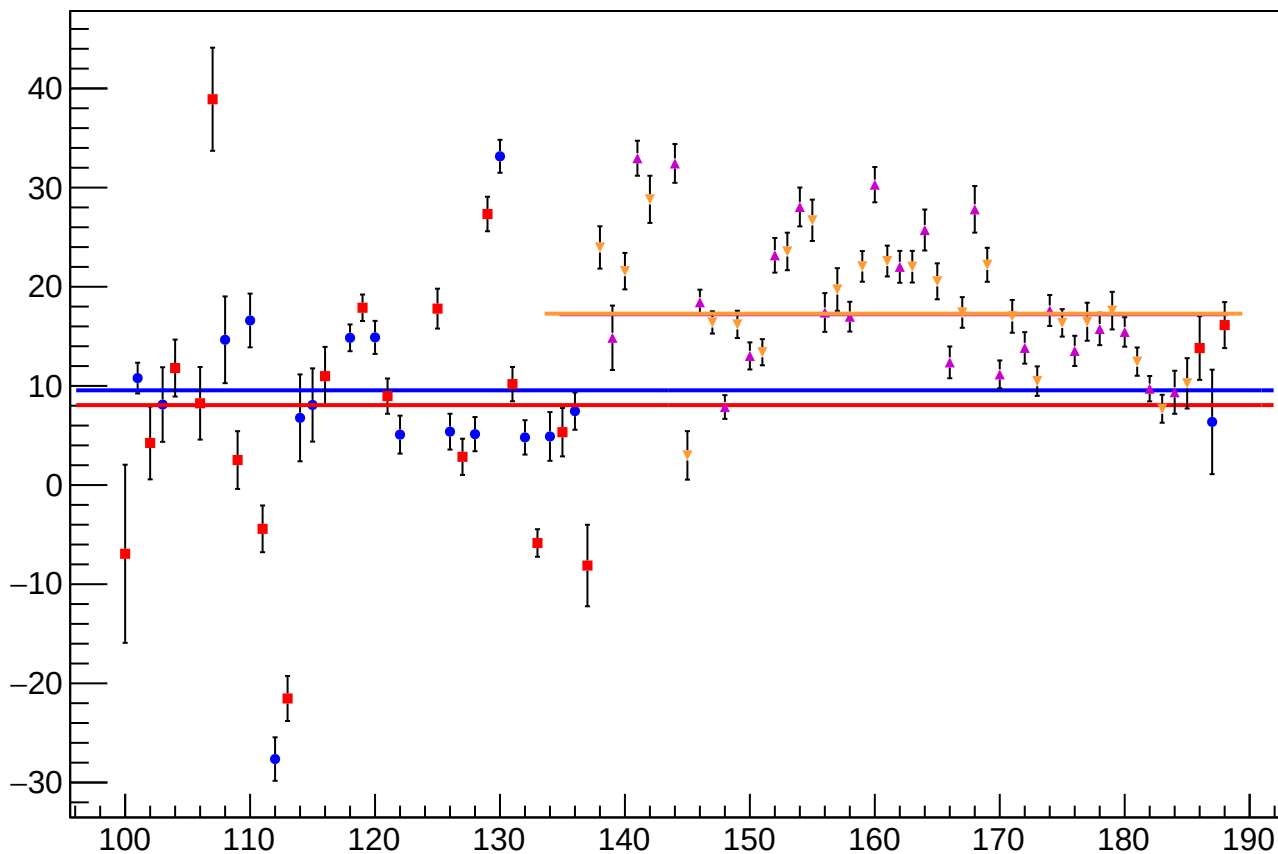
Right: 36.120 $\pm$ 0.454 χ^2 /NDF: 7971.8/36

In: 20.493 $\pm$ 0.339 χ^2 /NDF:5162.7/39

Out: 18.298 $\pm$ 0.317 χ^2 /NDF:7016.2/43

All: 19.322 $\pm$ 0.231 χ^2 /NDF: 12201.3/83

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.554 ± 0.499 $\chi^2/\text{NDF}: 554.8/16$

Left Out: 17.285 ± 0.337 $\chi^2/\text{NDF}: 244.0/23$

Right Out: 8.063 ± 0.497 $\chi^2/\text{NDF}: 586.2/19$

Left In: 17.224 ± 0.339 $\chi^2/\text{NDF}: 442.2/22$

Left: 17.255 ± 0.239 $\chi^2/\text{NDF}: 686.2/46$

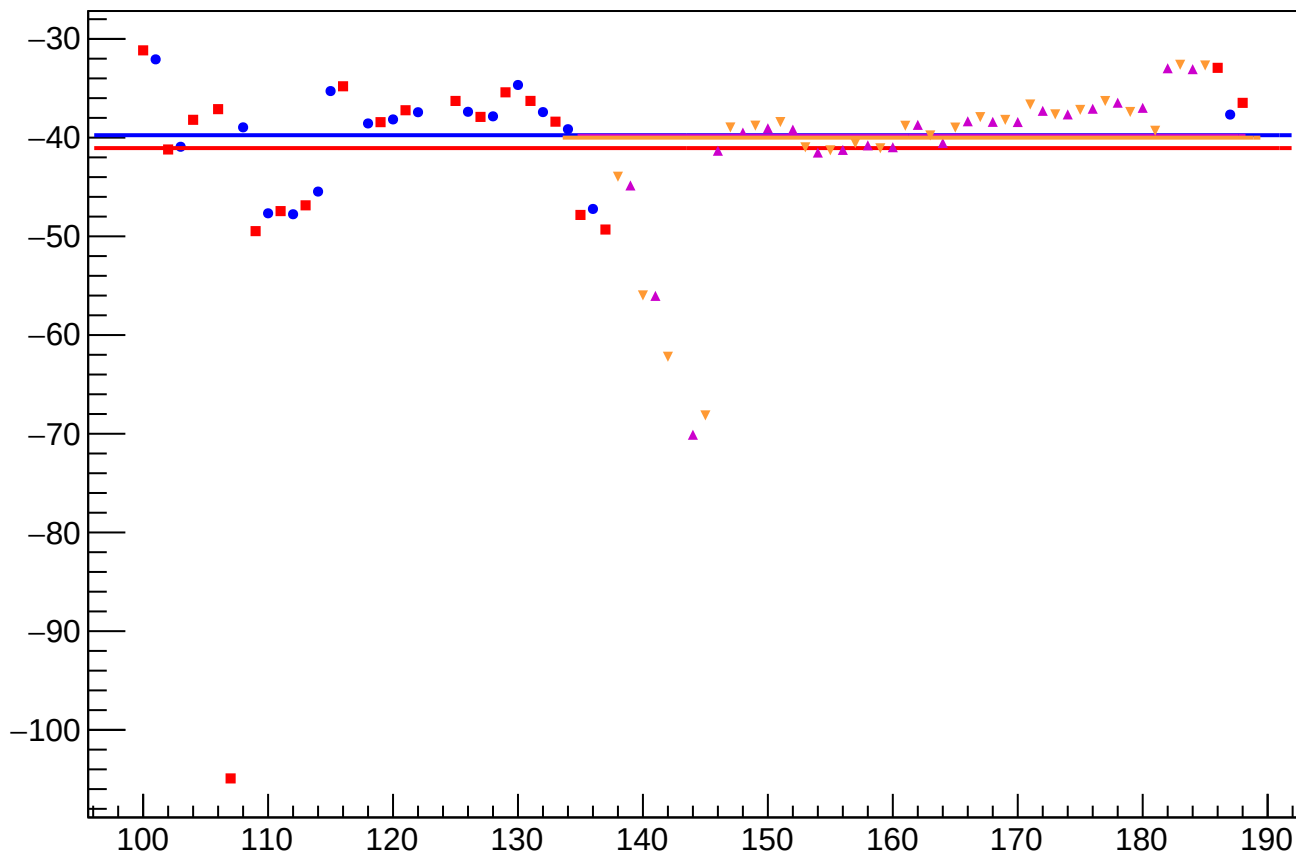
Right: 8.806 ± 0.352 $\chi^2/\text{NDF}: 1145.5/36$

In: 14.806 ± 0.280 $\chi^2/\text{NDF}: 1158.9/39$

Out: 14.383 ± 0.279 $\chi^2/\text{NDF}: 1065.9/43$

All: 14.594 ± 0.198 $\chi^2/\text{NDF}: 2225.9/83$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.754 ± 0.031 χ^2/NDF : 26208.5/16

Left Out: -40.002 ± 0.016 χ^2/NDF : 172150.1/23

Right Out: -41.061 ± 0.030 χ^2/NDF : 98183.0/19

Left In: -39.813 ± 0.016 χ^2/NDF : 145790.5/22

Left: -39.906 ± 0.011 χ^2/NDF : 318013.1/46

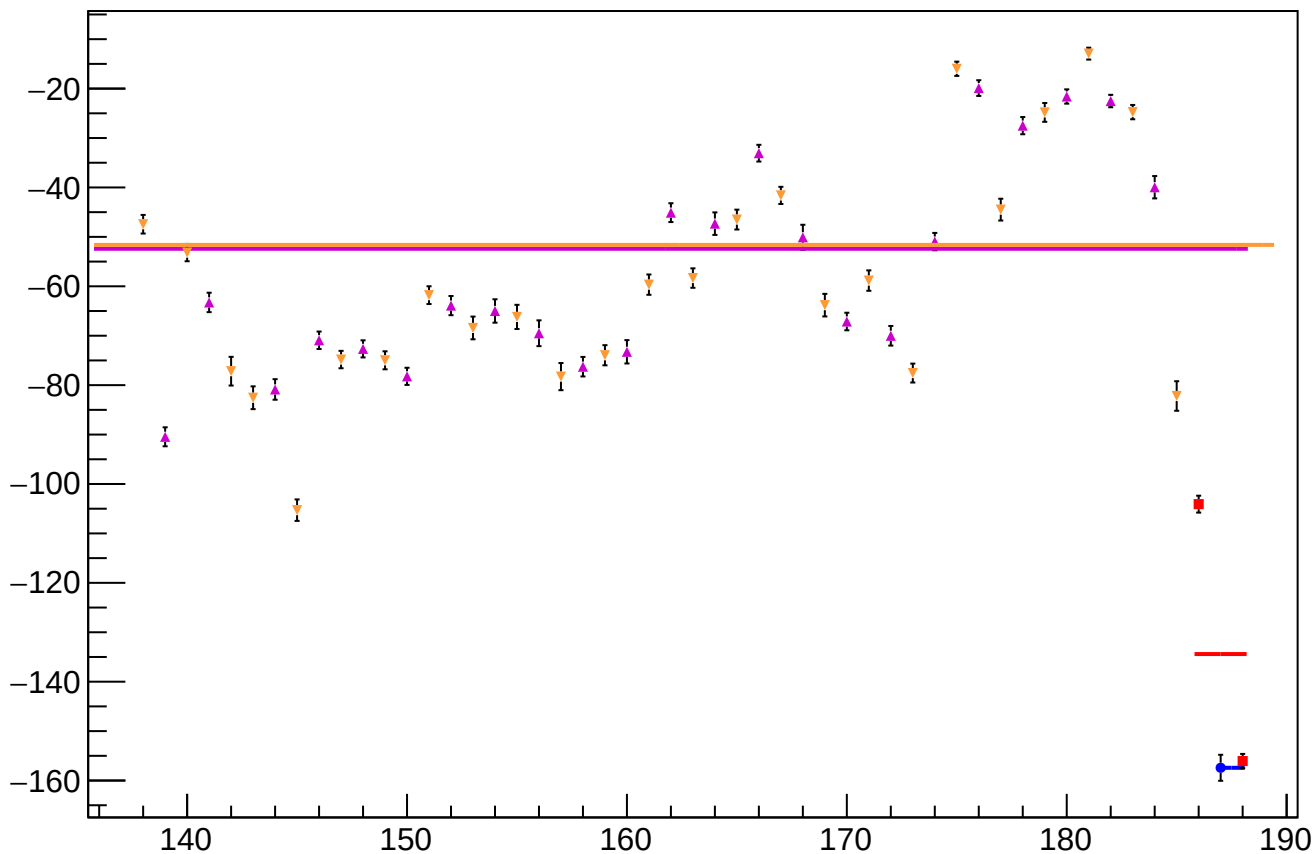
Right: -40.436 ± 0.021 χ^2/NDF : 125325.6/36

In: -39.801 ± 0.014 χ^2/NDF : 172002.0/39

Out: -40.236 ± 0.014 χ^2/NDF : 271332.8/43

All: -40.019 ± 0.010 χ^2/NDF : 443823.5/83

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -157.422+/-2.632 χ^2/NDF : 0.0/0

Left Out: -51.622+/-0.383 χ^2/NDF : 4133.0/24

Right Out: -134.408+/-1.104 χ^2/NDF : 538.5/1

Left In: -52.409+/-0.387 χ^2/NDF : 3378.7/22

Left: -52.012+/-0.272 χ^2/NDF : 7513.8/47

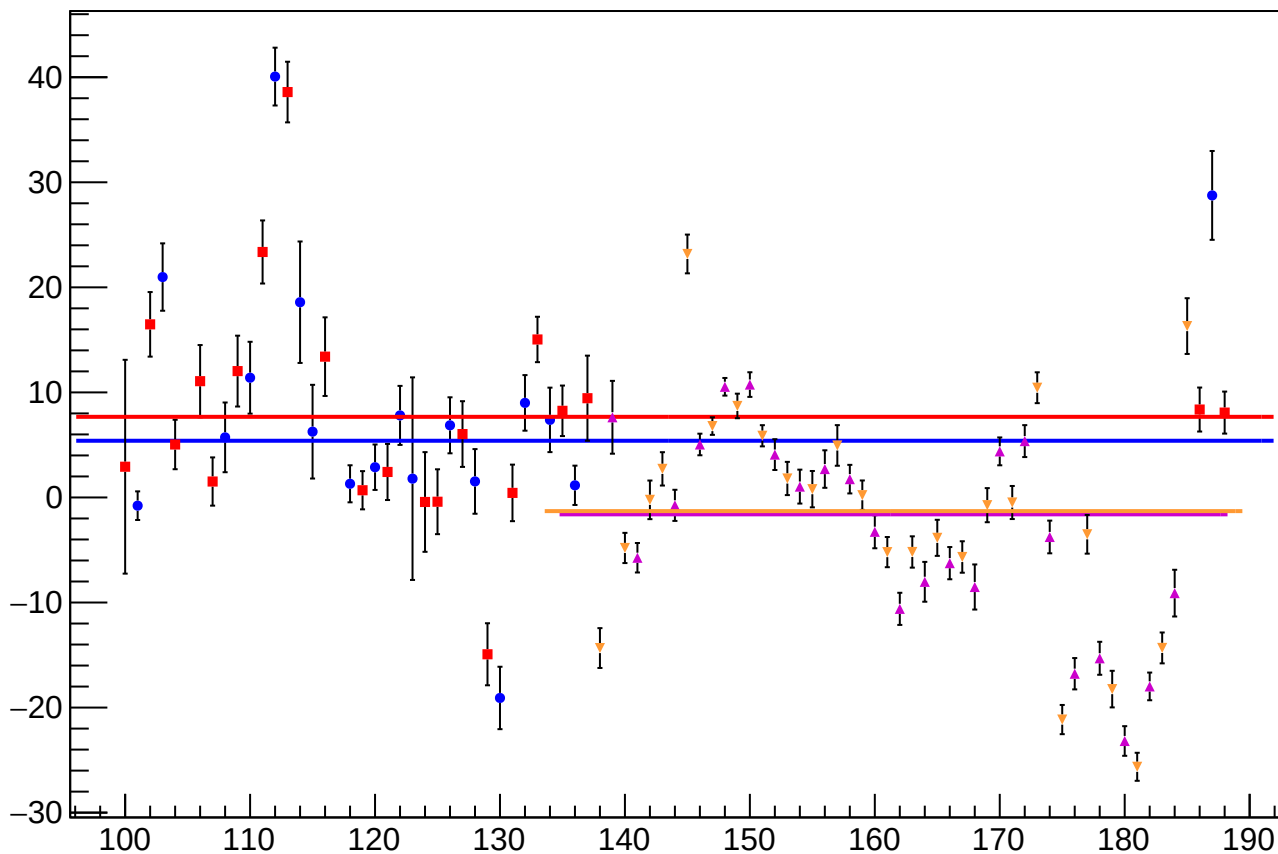
Right: -137.853+/-1.018 χ^2/NDF : 603.6/2

In: -54.634+/-0.383 χ^2/NDF : 4937.2/23

Out: -60.531+/-0.362 χ^2/NDF : 9687.1/26

All: -57.747+/-0.263 χ^2/NDF : 14749.4/50

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.397 ± 0.615 $\chi^2/\text{NDF}: 326.5/17$

Left Out: -1.300 ± 0.293 $\chi^2/\text{NDF}: 1315.7/24$

Right Out: 7.675 ± 0.594 $\chi^2/\text{NDF}: 270.4/20$

Left In: -1.608 ± 0.299 $\chi^2/\text{NDF}: 1097.4/22$

Left: -1.450 ± 0.209 $\chi^2/\text{NDF}: 2413.6/47$

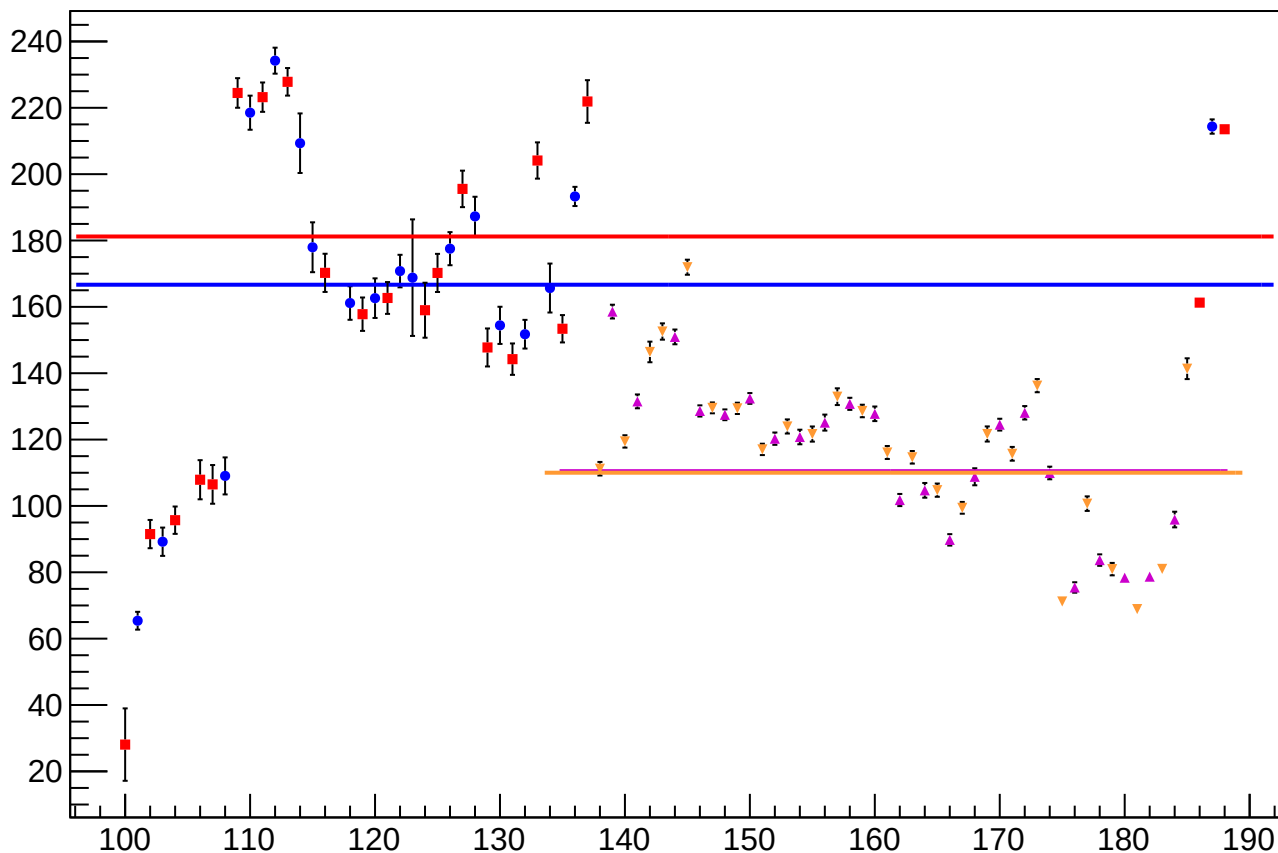
Right: 6.575 ± 0.427 $\chi^2/\text{NDF}: 604.0/38$

In: -0.263 ± 0.269 $\chi^2/\text{NDF}: 1528.9/40$

Out: 0.451 ± 0.262 $\chi^2/\text{NDF}: 1769.8/45$

All: 0.103 ± 0.188 $\chi^2/\text{NDF}: 3302.3/86$

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 166.675 $\pm$ 1.012 χ^2 /NDF: 2890.1/17

Left Out: 110.012 $\pm$ 0.383 χ^2 /NDF:4537.0/24

Right Out: 181.212 $\pm$ 0.707 χ^2 /NDF: 2943.0/20

Left In: 110.482 $\pm$ 0.385 χ^2 /NDF:3824.9/22

Left: 110.246 $\pm$ 0.271 χ^2 /NDF: 8362.7/47

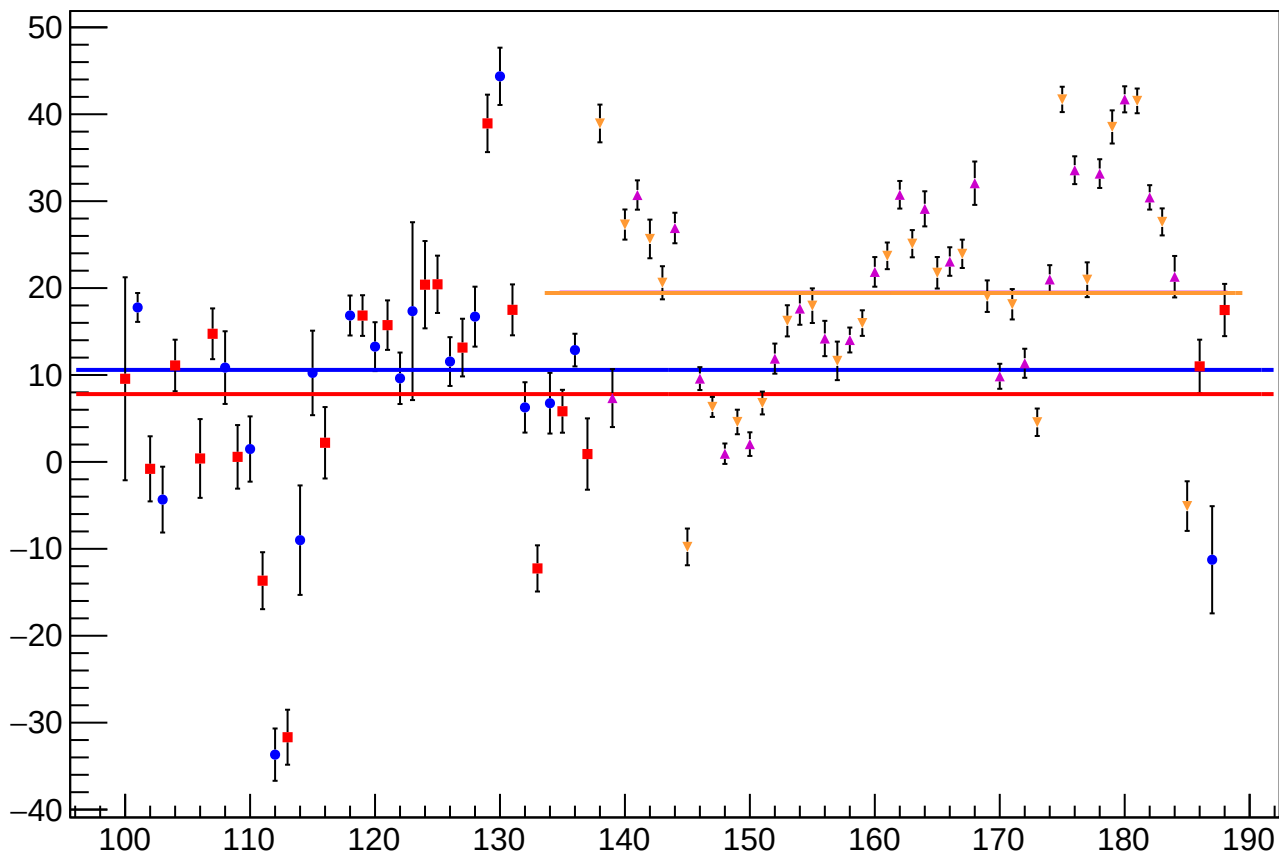
Right: 176.439 $\pm$ 0.580 χ^2 /NDF: 5971.7/38

In: 117.582 $\pm$ 0.360 χ^2 /NDF:9410.9/40

Out: 126.142 $\pm$ 0.337 χ^2 /NDF:15318.4/45

All: 122.143 $\pm$ 0.246 χ^2 /NDF: 25031.2/86

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.586 ± 0.709 $\chi^2/\text{NDF}: 400.8/17$

Left Out: 19.434 ± 0.336 $\chi^2/\text{NDF}: 1452.3/24$

Right Out: 7.802 ± 0.707 $\chi^2/\text{NDF}: 437.1/20$

Left In: 19.472 ± 0.342 $\chi^2/\text{NDF}: 1188.2/22$

Left: 19.453 ± 0.239 $\chi^2/\text{NDF}: 2640.5/47$

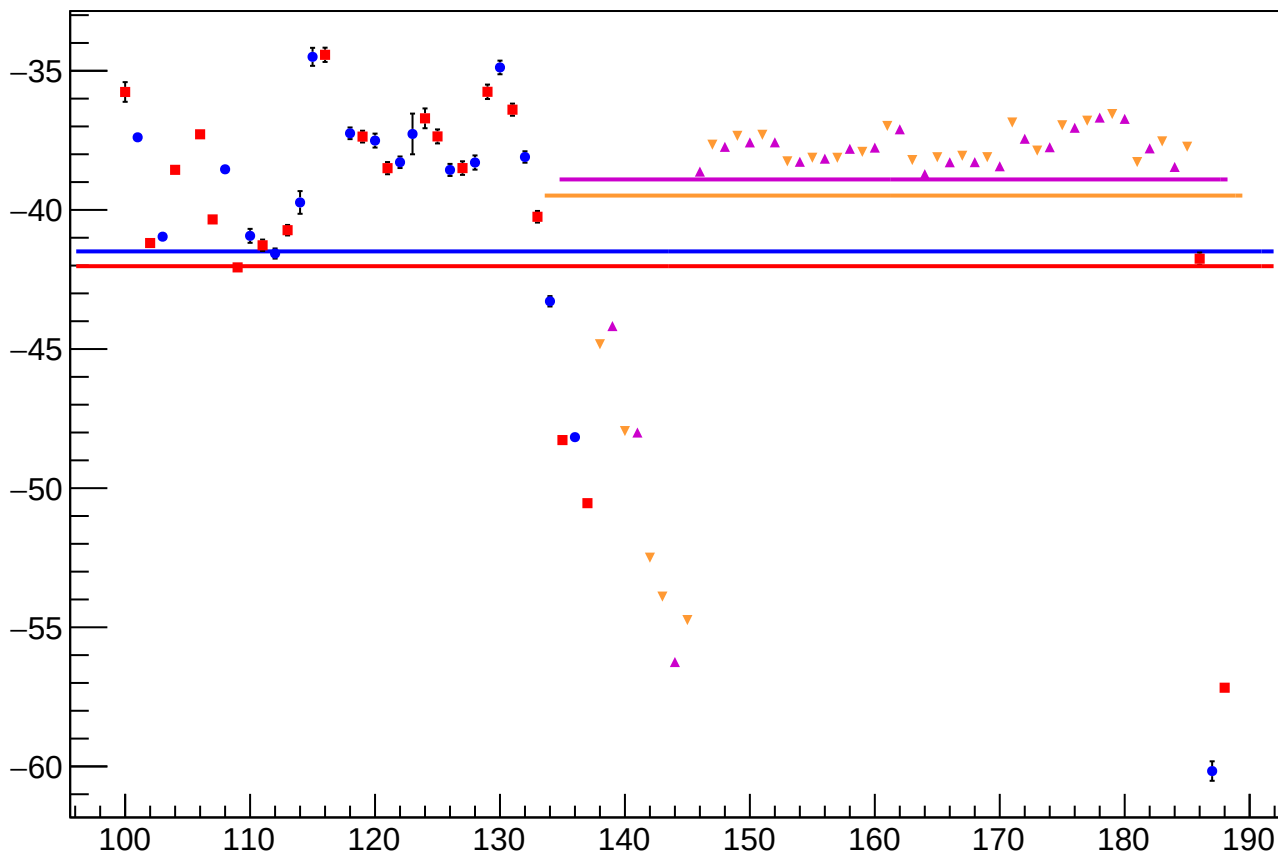
Right: 9.190 ± 0.500 $\chi^2/\text{NDF}: 845.6/38$

In: 17.796 ± 0.308 $\chi^2/\text{NDF}: 1716.6/40$

Out: 17.293 ± 0.303 $\chi^2/\text{NDF}: 2110.6/45$

All: 17.541 ± 0.216 $\chi^2/\text{NDF}: 3828.5/86$

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.491 ± 0.038 $\chi^2/\text{NDF}: 15448.2/17$

Left Out: -39.484 ± 0.016 $\chi^2/\text{NDF}: 88877.3/24$

Right Out: -42.022 ± 0.037 $\chi^2/\text{NDF}: 21746.3/20$

Left In: -38.905 ± 0.016 $\chi^2/\text{NDF}: 54282.7/22$

Left: -39.195 ± 0.011 $\chi^2/\text{NDF}: 143834.7/47$

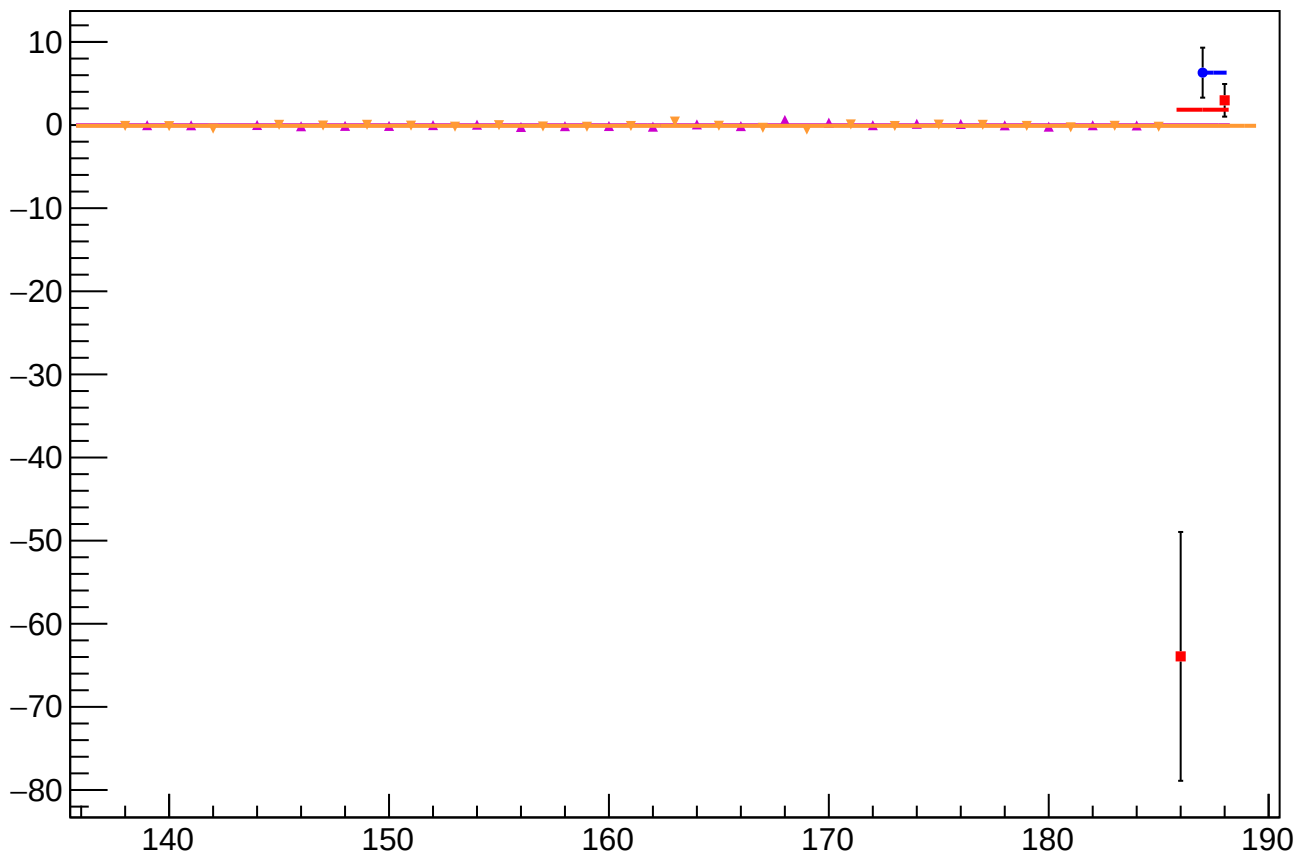
Right: -41.765 ± 0.027 $\chi^2/\text{NDF}: 37294.2/38$

In: -39.282 ± 0.015 $\chi^2/\text{NDF}: 73634.0/40$

Out: -39.874 ± 0.015 $\chi^2/\text{NDF}: 114604.1/45$

All: -39.580 ± 0.010 $\chi^2/\text{NDF}: 189067.3/86$

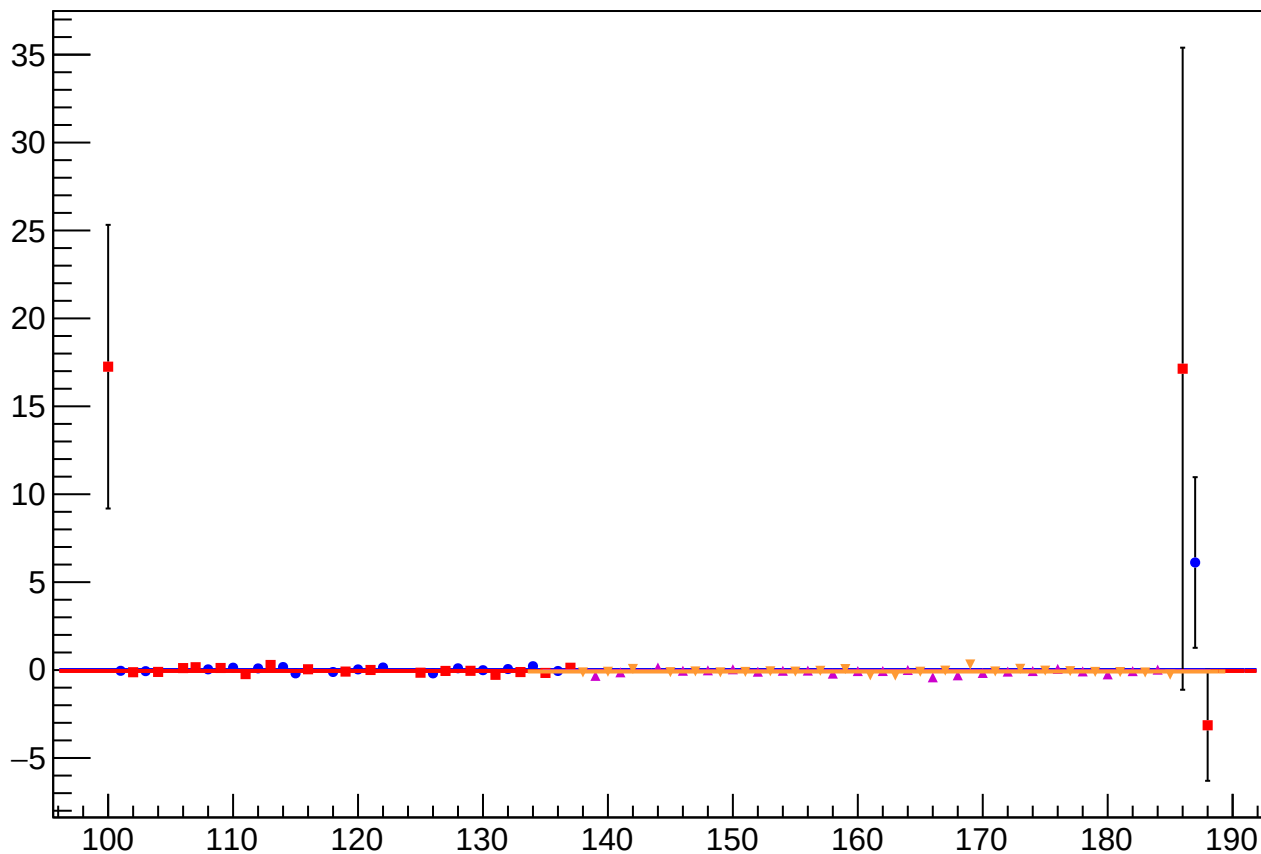
reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.304+/-3.007 χ^2/NDF : 0.0/0
 Left Out: -0.089+/-0.022 χ^2/NDF : 40.0/23
 Right Out: 1.846+/-1.946 χ^2/NDF : 19.6/1
 Left In: -0.026+/-0.022 χ^2/NDF : 32.3/22

Left: -0.057+/-0.016 χ^2/NDF : 76.4/46
 Right: 3.162+/-1.634 χ^2/NDF : 21.2/2
 In: -0.025+/-0.022 χ^2/NDF : 36.7/23
 Out: -0.089+/-0.022 χ^2/NDF : 60.7/25
 All: -0.057+/-0.016 χ^2/NDF : 101.5/49

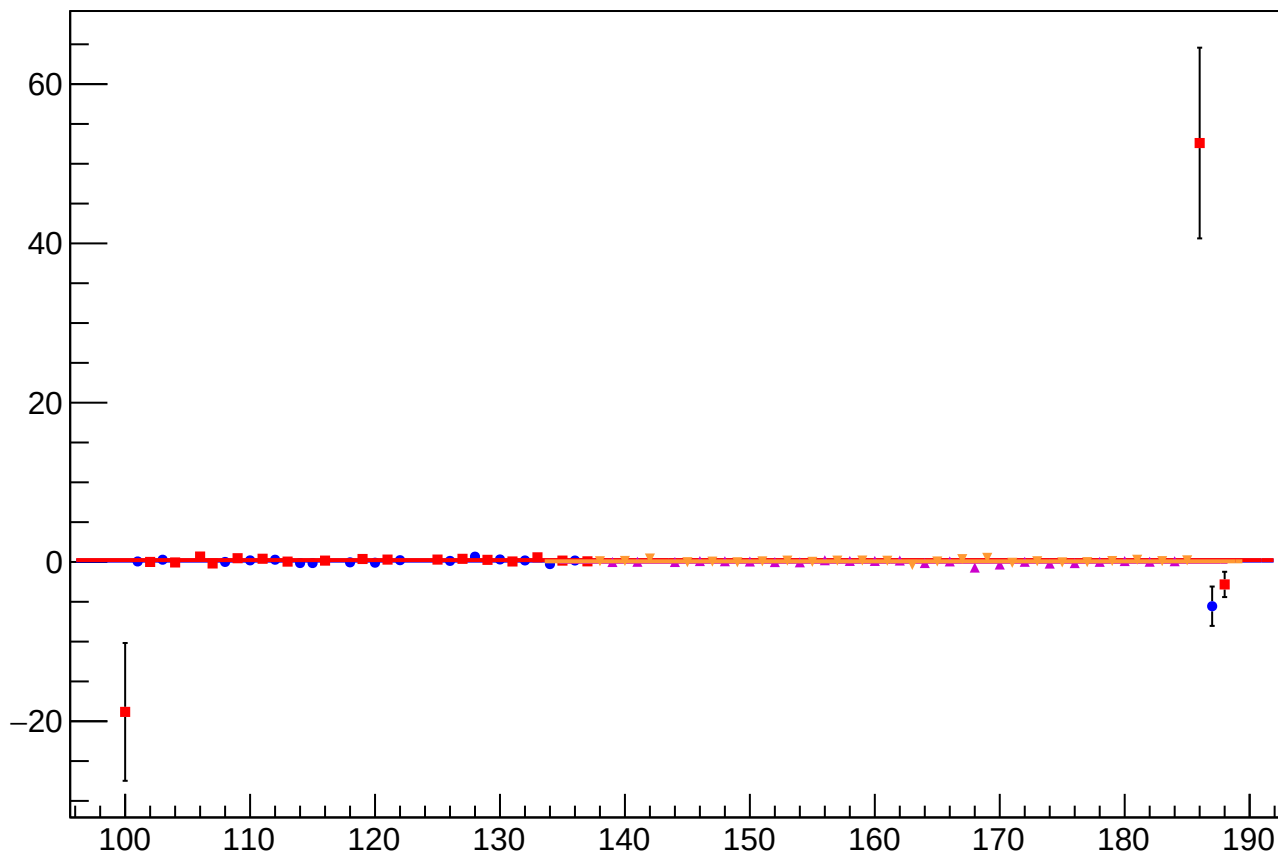
reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.002+/-0.028 χ^2/NDF : 14.1/16
 Left Out: -0.081+/-0.017 χ^2/NDF : 25.8/23
 Right Out: -0.051+/-0.029 χ^2/NDF : 27.6/19
 Left In: -0.055+/-0.018 χ^2/NDF : 32.2/22

Left: -0.068+/-0.012 χ^2/NDF : 59.1/46
 Right: -0.024+/-0.020 χ^2/NDF : 43.5/36
 In: -0.039+/-0.015 χ^2/NDF : 49.2/39
 Out: -0.073+/-0.015 χ^2/NDF : 54.2/43
 All: -0.056+/-0.011 χ^2/NDF : 106.0/83

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.168 $\pm$ 0.052 χ^2 /NDF: 19.0/16

Left Out: 0.082 $\pm$ 0.022 χ^2 /NDF:38.7/23

Right Out: 0.236 $\pm$ 0.054 χ^2 /NDF: 44.6/19

Left In: 0.020 $\pm$ 0.022 χ^2 /NDF:34.5/22

Left: 0.051 $\pm$ 0.016 χ^2 /NDF: 77.1/46

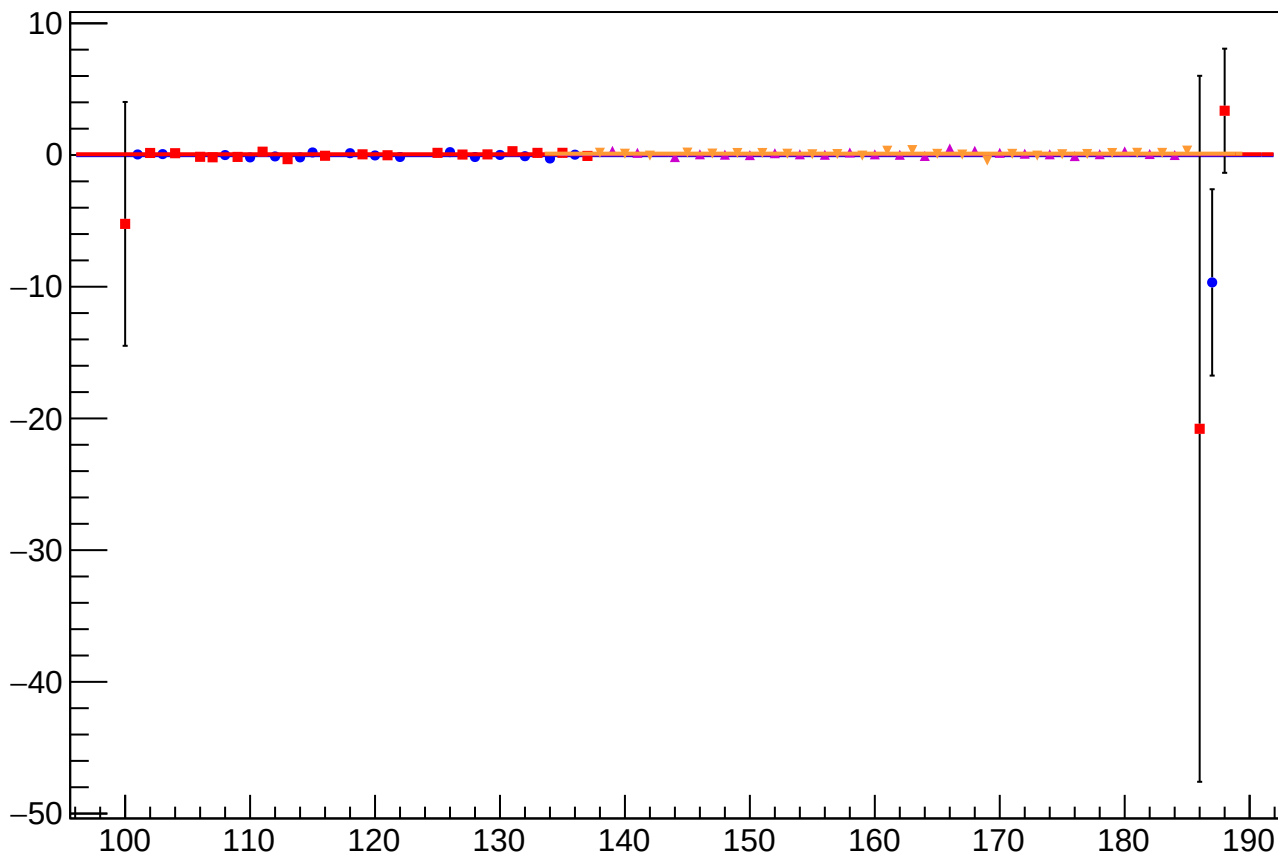
Right: 0.201 $\pm$ 0.038 χ^2 /NDF: 64.5/36

In: 0.043 $\pm$ 0.020 χ^2 /NDF:60.4/39

Out: 0.104 $\pm$ 0.020 χ^2 /NDF:90.4/43

All: 0.073 $\pm$ 0.014 χ^2 /NDF: 155.3/83

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.011 ± 0.033 χ^2/NDF : 15.6/16

Left Out: 0.105 ± 0.020 χ^2/NDF : 29.5/23

Right Out: 0.059 ± 0.034 χ^2/NDF : 21.7/19

Left In: 0.072 ± 0.020 χ^2/NDF : 31.7/22

Left: 0.089 ± 0.014 χ^2/NDF : 62.6/46

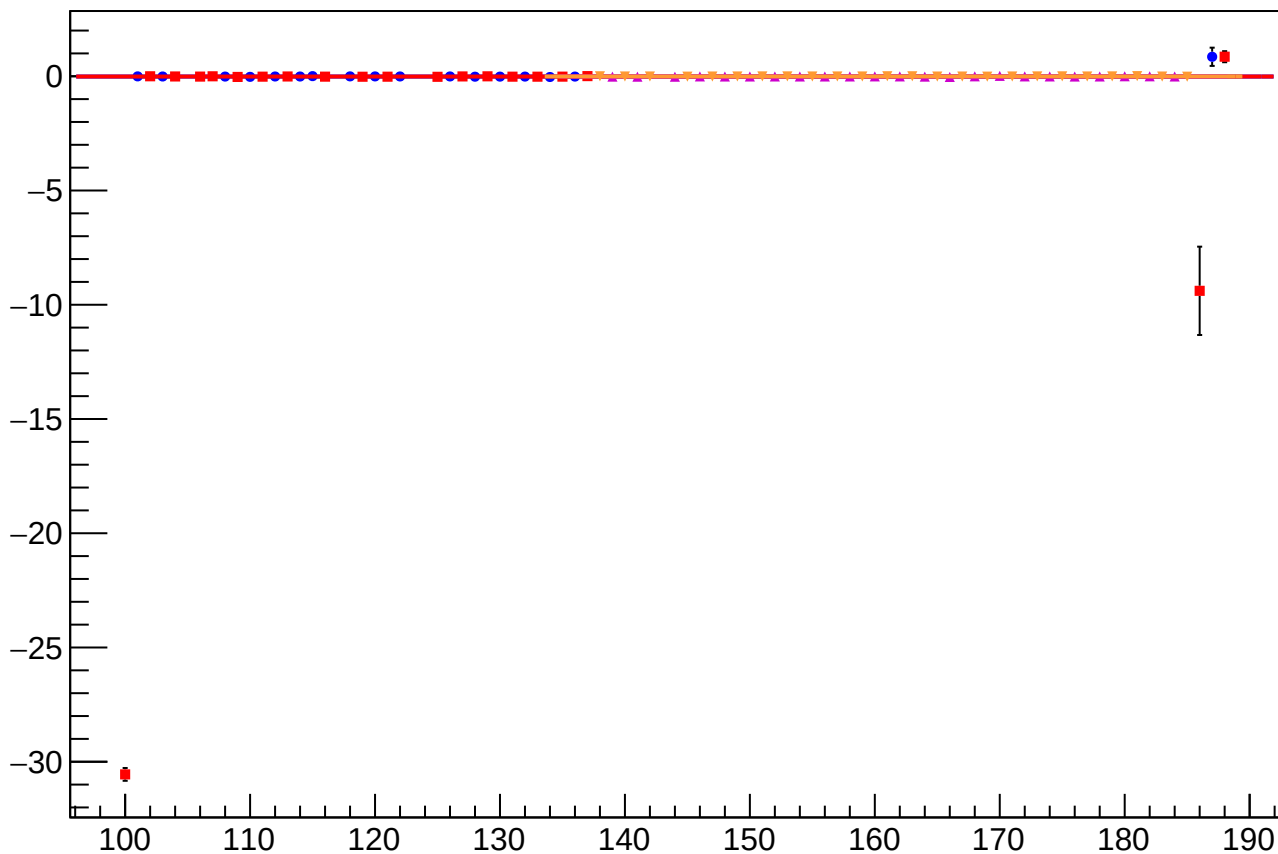
Right: 0.022 ± 0.023 χ^2/NDF : 39.5/36

In: 0.050 ± 0.017 χ^2/NDF : 52.1/39

Out: 0.093 ± 0.017 χ^2/NDF : 52.6/43

All: 0.071 ± 0.012 χ^2/NDF : 108.0/83

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 17.6/16

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:30.7/23

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11928.0/19

Left In: -0.009 $\pm$ 0.001 χ^2 /NDF:42.1/22

Left: -0.008 $\pm$ 0.001 χ^2 /NDF: 73.1/46

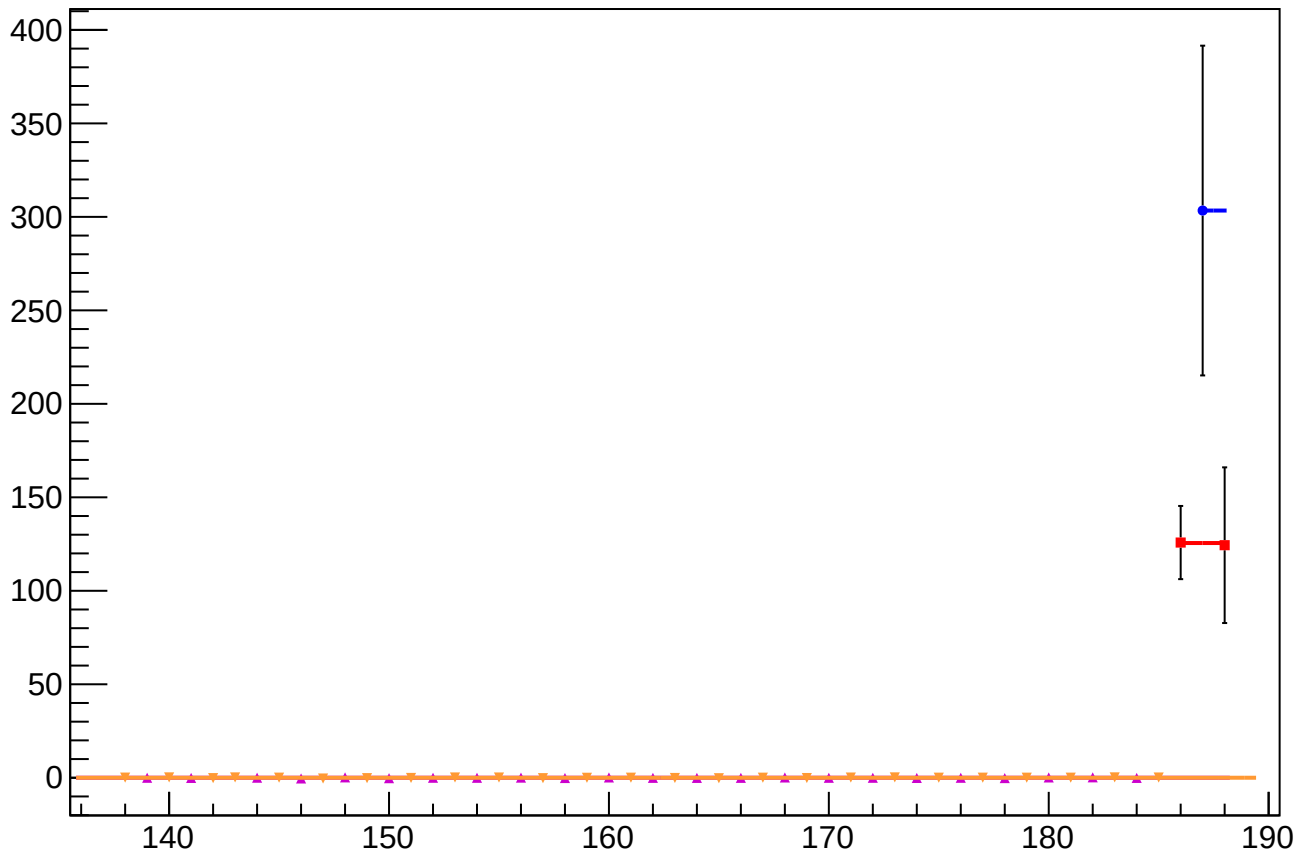
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11945.6/36

In: -0.009 $\pm$ 0.001 χ^2 /NDF:61.9/39

Out: -0.009 $\pm$ 0.001 χ^2 /NDF:11962.8/43

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 12024.9/83

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 303.382 $\pm$ 88.188 χ^2/NDF : 0.0/0

Left Out: 0.013 $\pm$ 0.027 χ^2/NDF :29.2/24

Right Out: 125.551 $\pm$ 17.712 χ^2/NDF : 0.0/1

Left In: 0.004 $\pm$ 0.028 χ^2/NDF :28.2/22

Left: 0.009 $\pm$ 0.019 χ^2/NDF : 57.4/47

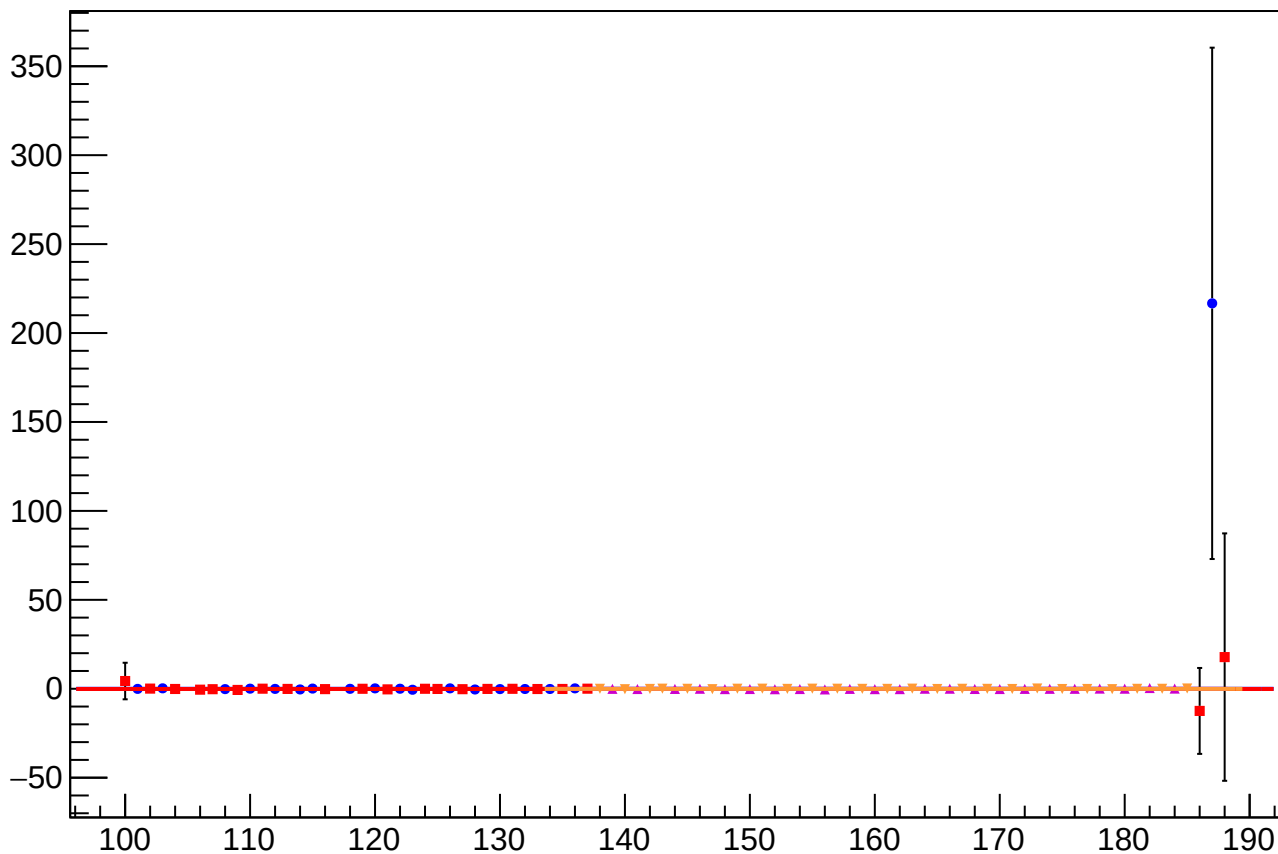
Right: 132.446 $\pm$ 17.365 χ^2/NDF : 3.9/2

In: 0.004 $\pm$ 0.028 χ^2/NDF :40.0/23

Out: 0.014 $\pm$ 0.027 χ^2/NDF :79.4/26

All: 0.009 $\pm$ 0.019 χ^2/NDF : 119.5/50

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024 ± 0.037 $\chi^2/\text{NDF}: 25.6/17$

Left Out: -0.058 ± 0.021 $\chi^2/\text{NDF}: 25.4/24$

Right Out: -0.128 ± 0.039 $\chi^2/\text{NDF}: 17.9/20$

Left In: -0.072 ± 0.022 $\chi^2/\text{NDF}: 48.7/22$

Left: -0.064 ± 0.015 $\chi^2/\text{NDF}: 74.4/47$

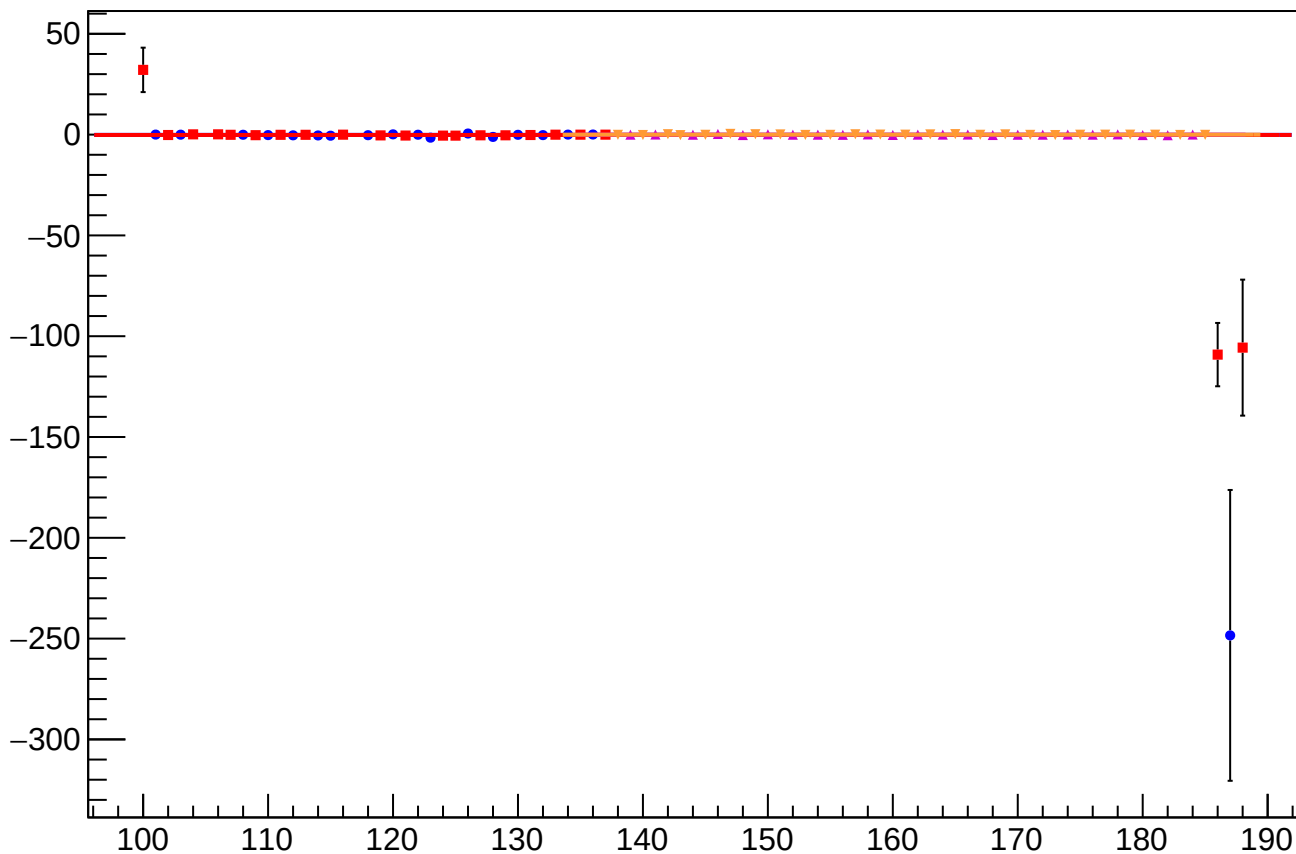
Right: -0.072 ± 0.027 $\chi^2/\text{NDF}: 47.3/38$

In: -0.059 ± 0.019 $\chi^2/\text{NDF}: 75.6/40$

Out: -0.073 ± 0.019 $\chi^2/\text{NDF}: 45.8/45$

All: -0.066 ± 0.013 $\chi^2/\text{NDF}: 121.7/86$

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.130 ± 0.067 χ^2/NDF : 35.6/17

Left Out: -0.015 ± 0.027 χ^2/NDF : 27.0/24

Right Out: -0.174 ± 0.071 χ^2/NDF : 72.9/20

Left In: -0.035 ± 0.027 χ^2/NDF : 27.7/22

Left: -0.025 ± 0.019 χ^2/NDF : 55.0/47

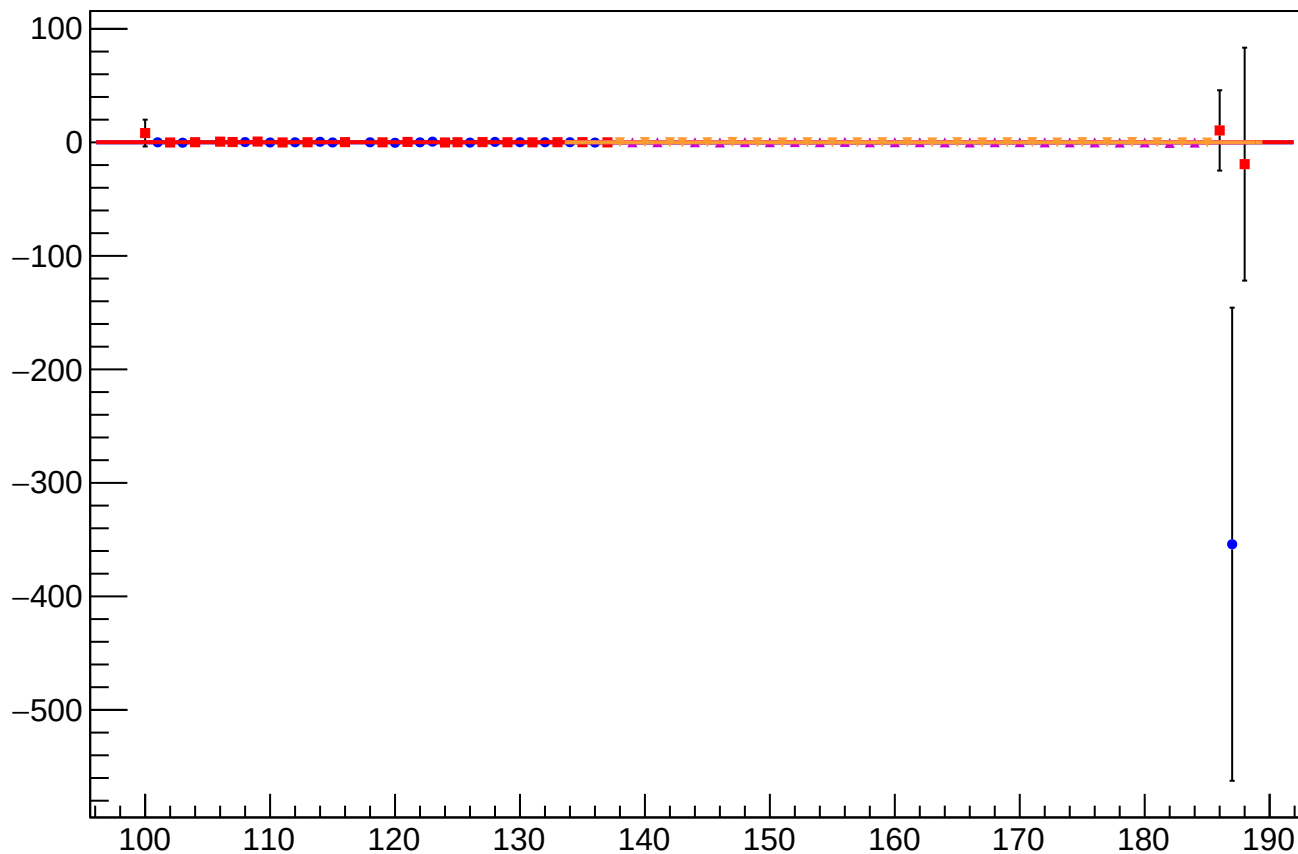
Right: -0.151 ± 0.049 χ^2/NDF : 108.7/38

In: -0.048 ± 0.025 χ^2/NDF : 65.0/40

Out: -0.035 ± 0.025 χ^2/NDF : 104.3/45

All: -0.042 ± 0.018 χ^2/NDF : 169.5/86

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.042 χ^2/NDF : 25.4/17

Left Out: 0.062+/-0.024 χ^2/NDF :25.0/24

Right Out: 0.152+/-0.045 χ^2/NDF : 16.4/20

Left In: 0.069+/-0.025 χ^2/NDF :51.4/22

Left: 0.065+/-0.017 χ^2/NDF : 76.5/47

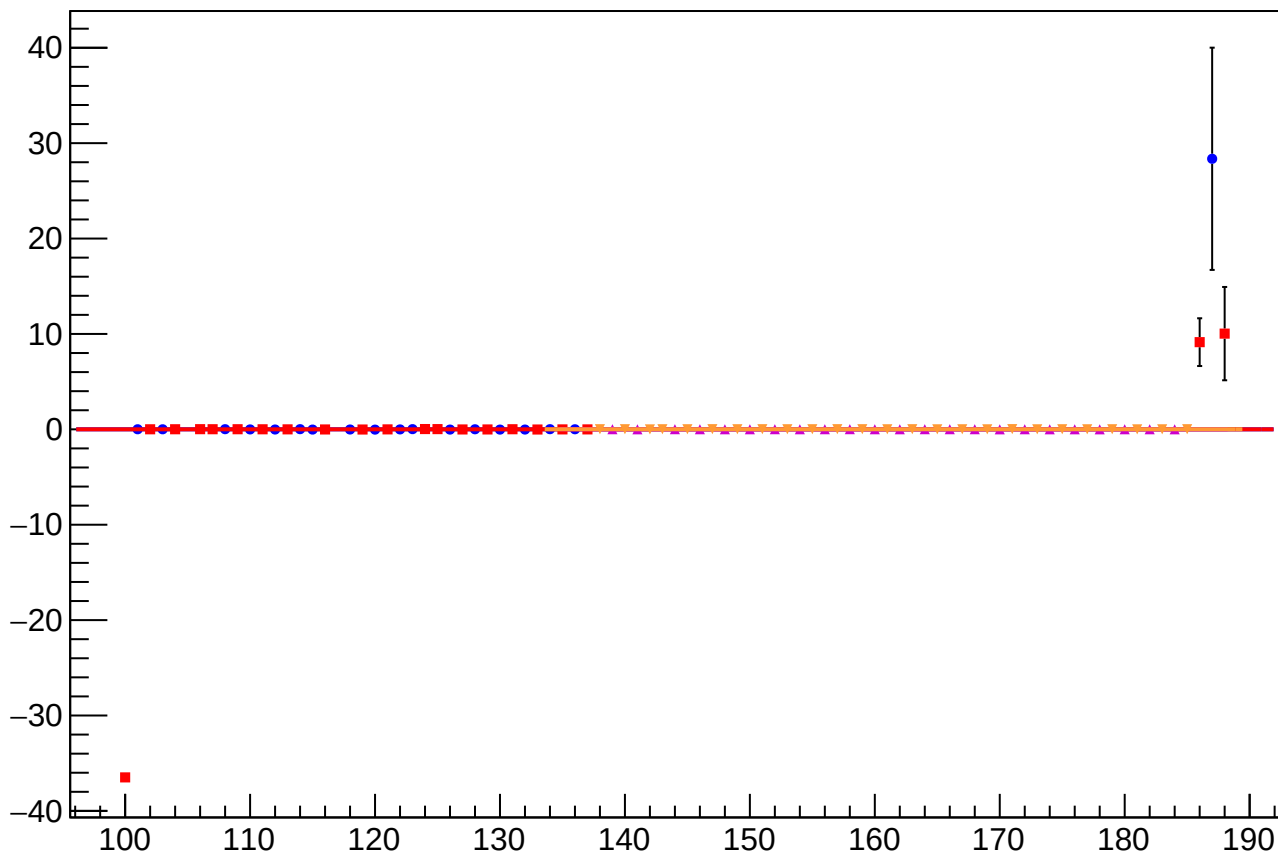
Right: 0.082+/-0.031 χ^2/NDF : 46.2/38

In: 0.057+/-0.021 χ^2/NDF :77.8/40

Out: 0.081+/-0.021 χ^2/NDF :44.5/45

All: 0.069+/-0.015 χ^2/NDF : 123.0/86

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 38.3/17

Left Out: 0.008 $\pm$ 0.001 χ^2 /NDF:25.9/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10466.6/20

Left In: 0.009 $\pm$ 0.001 χ^2 /NDF:15.8/22

Left: 0.009 $\pm$ 0.001 χ^2 /NDF: 42.0/47

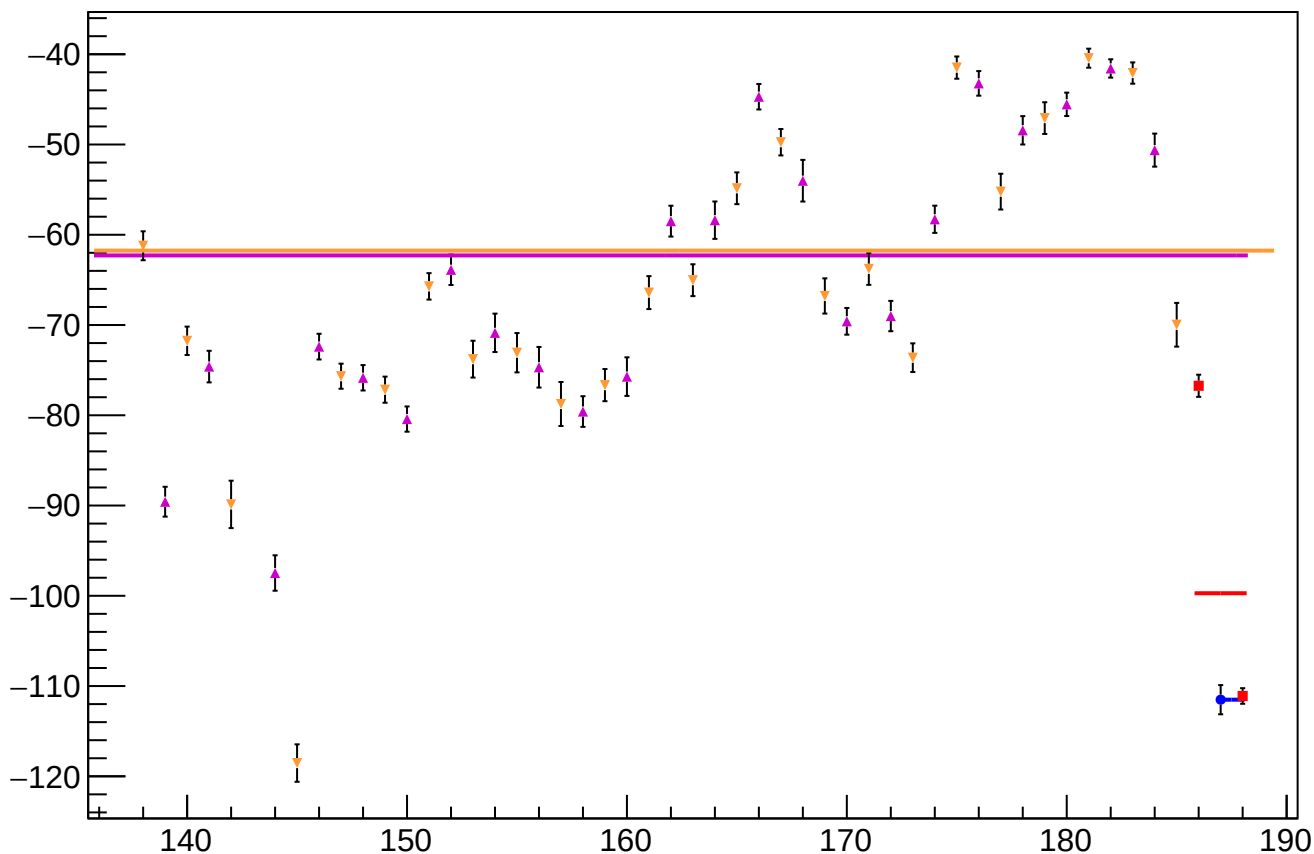
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10505.0/38

In: 0.008 $\pm$ 0.001 χ^2 /NDF:64.2/40

Out: 0.007 $\pm$ 0.001 χ^2 /NDF:10500.9/45

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10565.3/86

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -111.512 ± 1.617 χ^2/NDF : 0.0/0

Left Out: -61.756 ± 0.334 χ^2/NDF : 2509.2/23

Right Out: -99.717 ± 0.707 χ^2/NDF : 524.0/1

Left In: -62.290 ± 0.331 χ^2/NDF : 2265.0/22

Left: -62.025 ± 0.235 χ^2/NDF : 4775.5/46

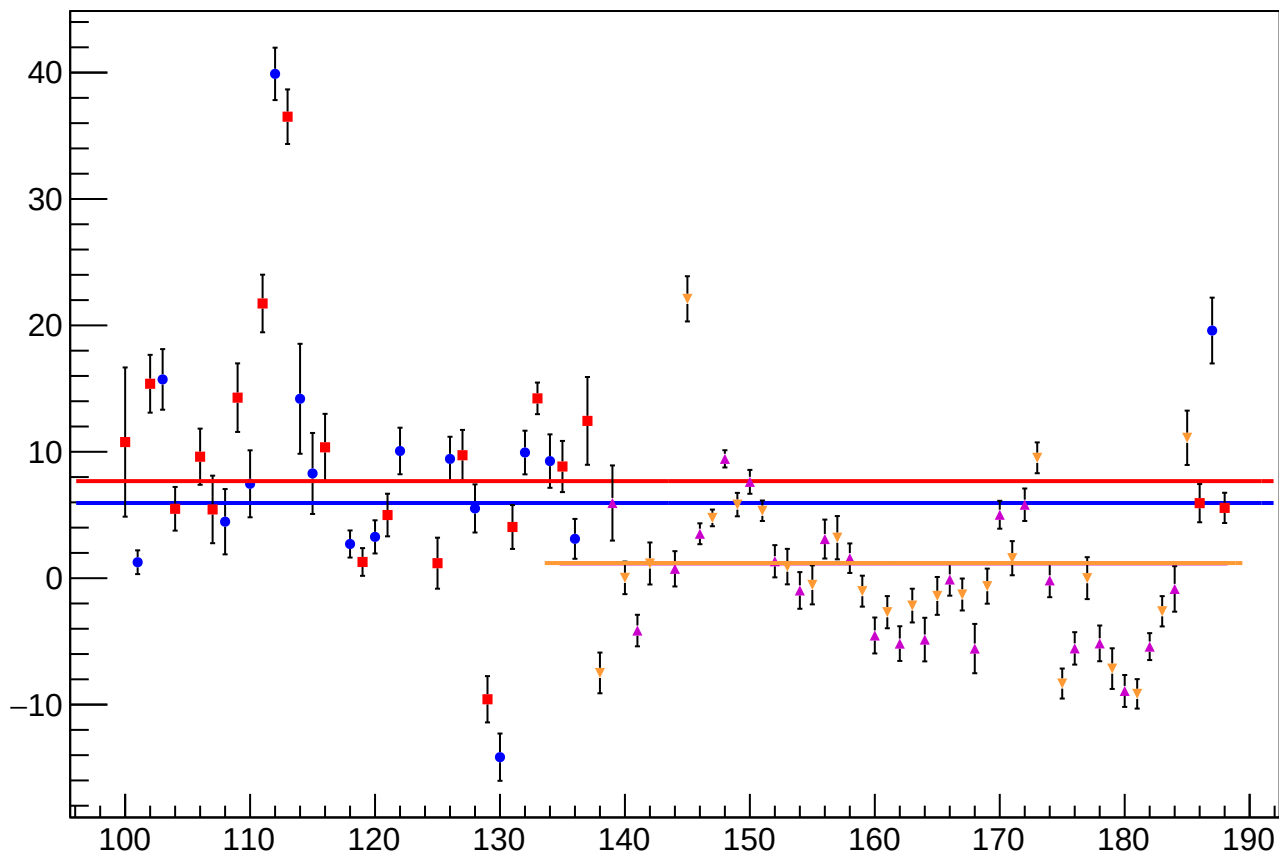
Right: -101.608 ± 0.647 χ^2/NDF : 568.7/2

In: -64.270 ± 0.324 χ^2/NDF : 3153.8/23

Out: -68.683 ± 0.302 χ^2/NDF : 5393.0/25

All: -66.636 ± 0.221 χ^2/NDF : 8646.0/49

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.950 ± 0.418 $\chi^2/\text{NDF}: 491.0/16$

Left Out: 1.197 ± 0.252 $\chi^2/\text{NDF}: 526.1/23$

Right Out: 7.681 ± 0.408 $\chi^2/\text{NDF}: 413.2/19$

Left In: 1.171 ± 0.255 $\chi^2/\text{NDF}: 466.2/22$

Left: 1.184 ± 0.179 $\chi^2/\text{NDF}: 992.3/46$

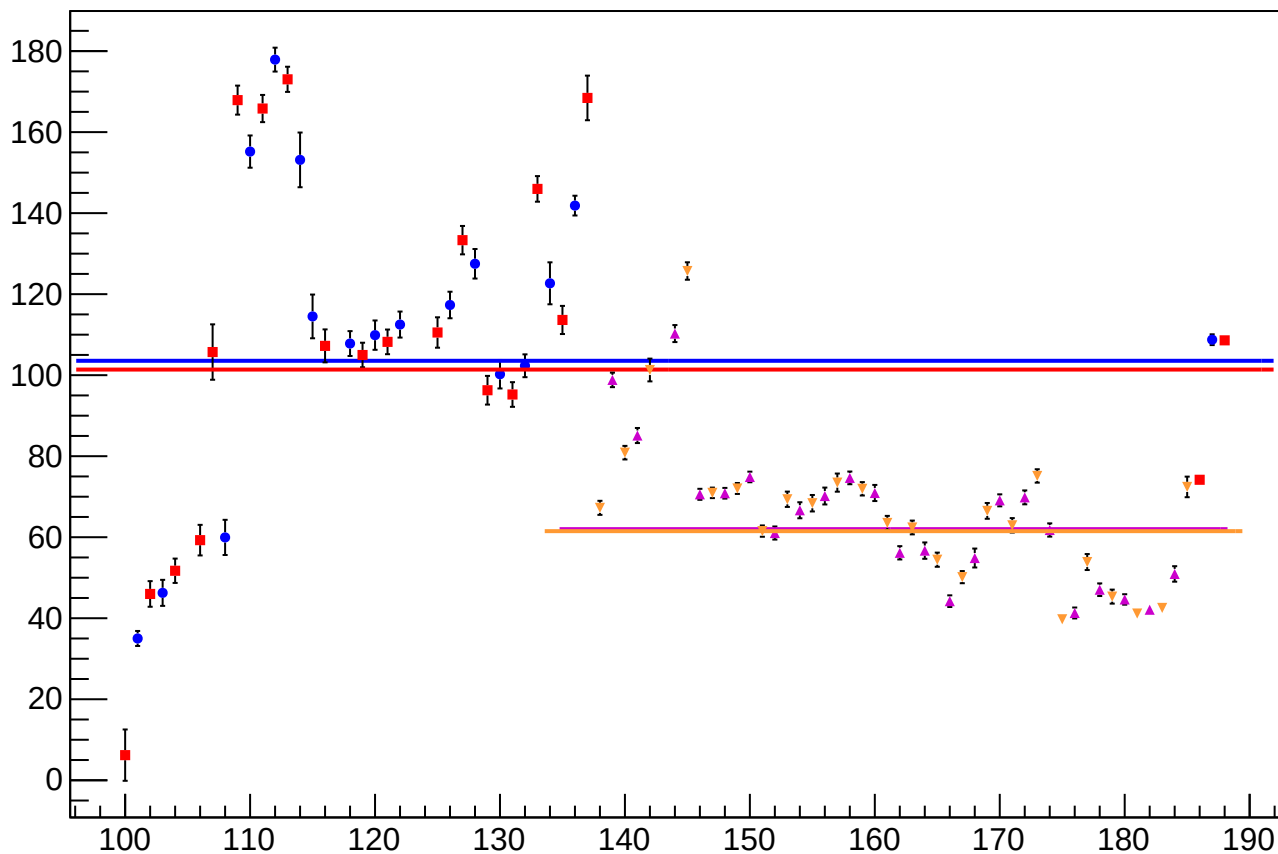
Right: 6.835 ± 0.292 $\chi^2/\text{NDF}: 913.0/36$

In: 2.465 ± 0.218 $\chi^2/\text{NDF}: 1052.5/39$

Out: 2.990 ± 0.215 $\chi^2/\text{NDF}: 1121.6/43$

All: 2.731 ± 0.153 $\chi^2/\text{NDF}: 2177.1/83$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 103.552 $\pm$ 0.690 χ^2 /NDF: 2999.9/16

Left Out: 61.496 $\pm$ 0.332 χ^2 /NDF:2610.2/23

Right Out: 101.386 $\pm$ 0.469 χ^2 /NDF: 3517.7/19

Left In: 61.995 $\pm$ 0.329 χ^2 /NDF:2517.6/22

Left: 61.748 $\pm$ 0.234 χ^2 /NDF: 5129.0/46

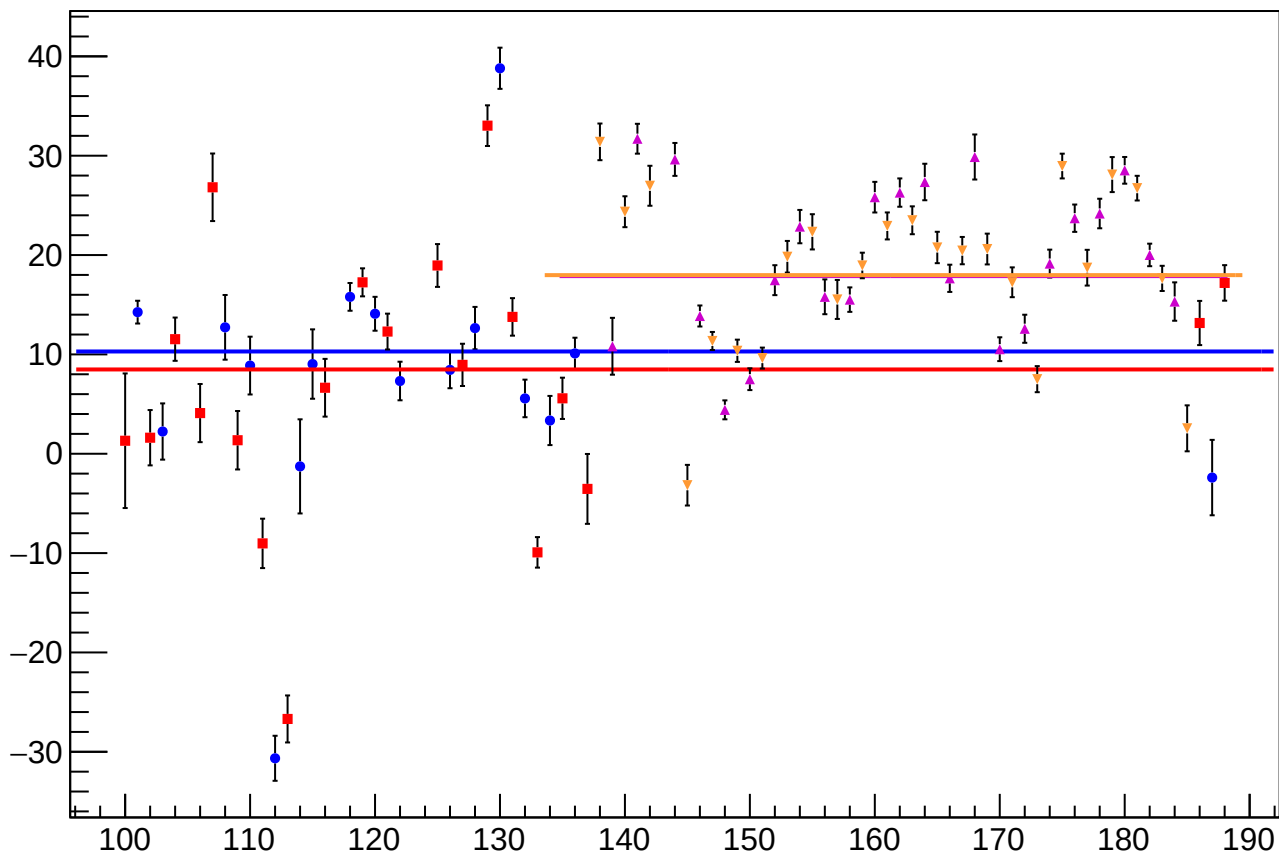
Right: 102.071 $\pm$ 0.388 χ^2 /NDF: 6524.4/36

In: 69.695 $\pm$ 0.297 χ^2 /NDF:8475.1/39

Out: 74.825 $\pm$ 0.271 χ^2 /NDF:10943.5/43

All: 72.492 $\pm$ 0.200 χ^2 /NDF: 19581.4/83

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.295 $\pm$ 0.488 χ^2 /NDF: 592.9/16

Left Out: 17.979 $\pm$ 0.291 χ^2 /NDF: 674.8/23

Right Out: 8.485 $\pm$ 0.490 χ^2 /NDF: 721.2/19

Left In: 17.881 $\pm$ 0.292 χ^2 /NDF: 730.9/22

Left: 17.930 $\pm$ 0.206 χ^2 /NDF: 1405.8/46

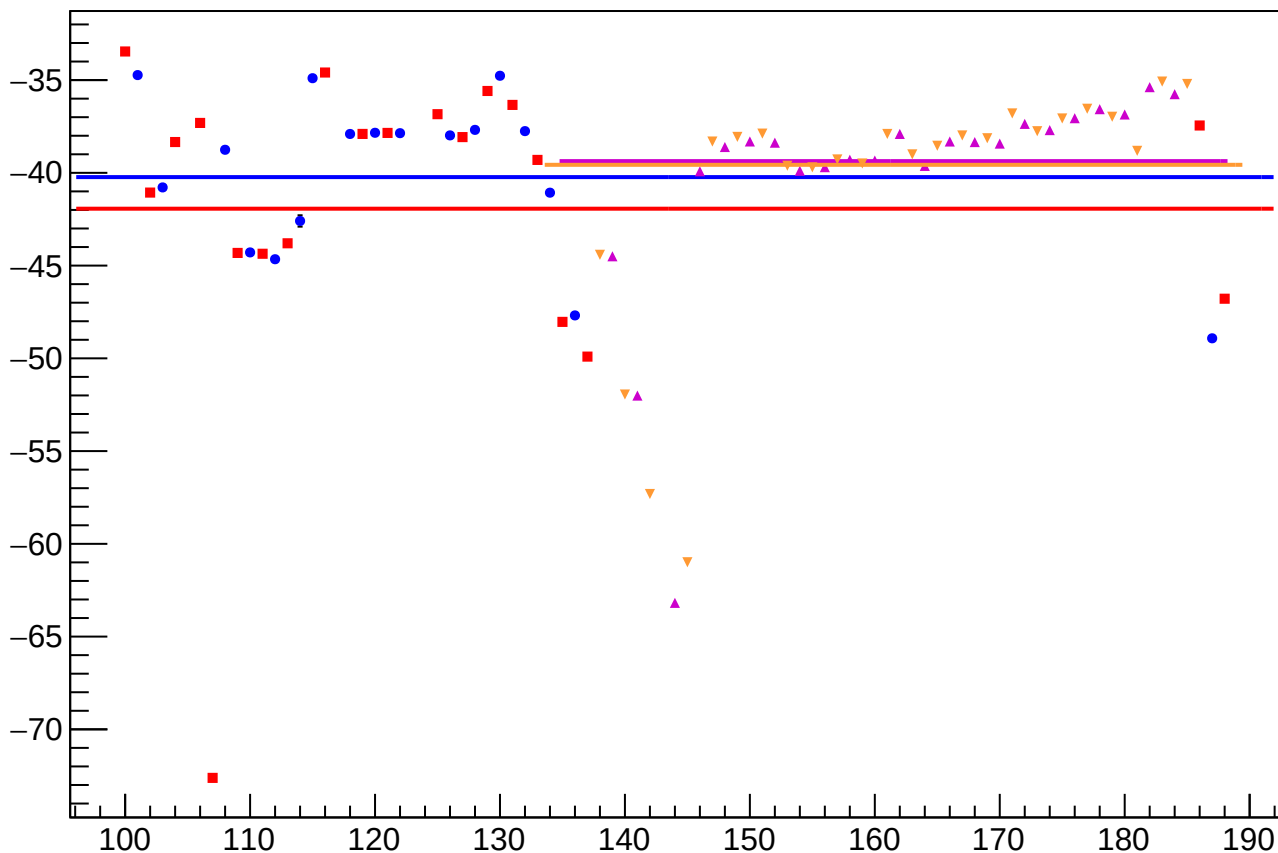
Right: 9.394 $\pm$ 0.346 χ^2 /NDF: 1320.9/36

In: 15.884 $\pm$ 0.250 χ^2 /NDF: 1501.9/39

Out: 15.510 $\pm$ 0.250 χ^2 /NDF: 1673.3/43

All: 15.697 $\pm$ 0.177 χ^2 /NDF: 3176.3/83

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.230 ± 0.028 χ^2/NDF : 26790.7/16

Left Out: -39.567 ± 0.014 χ^2/NDF : 141152.0/23

Right Out: -41.933 ± 0.027 χ^2/NDF : 65491.8/19

Left In: -39.368 ± 0.014 χ^2/NDF : 117958.1/22

Left: -39.466 ± 0.010 χ^2/NDF : 259216.7/46

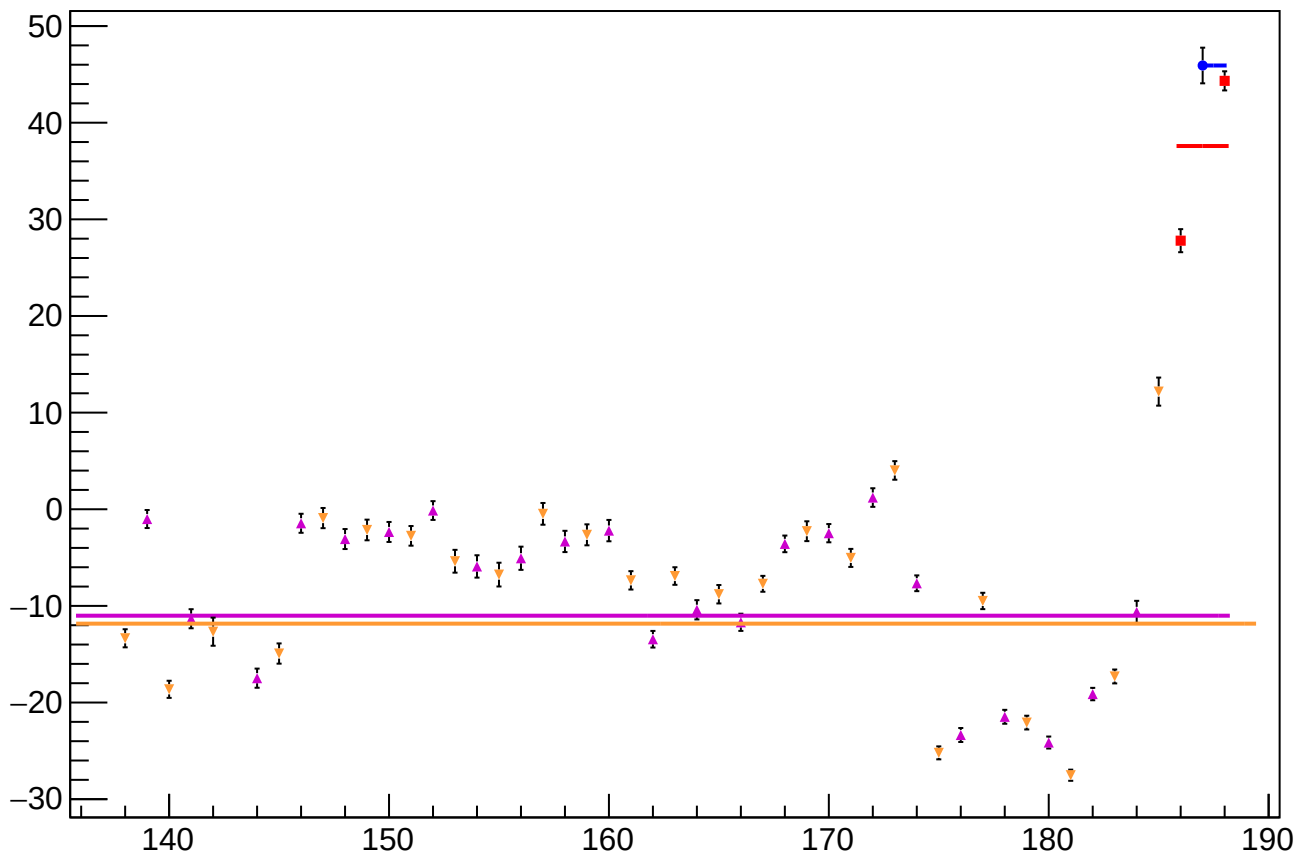
Right: -41.114 ± 0.019 χ^2/NDF : 94210.5/36

In: -39.532 ± 0.012 χ^2/NDF : 145518.4/39

Out: -40.056 ± 0.012 χ^2/NDF : 212781.9/43

All: -39.793 ± 0.009 χ^2/NDF : 359223.2/83

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 45.919+/-1.845 χ^2 /NDF: 0.0/0

Left Out: -11.837+/-0.187 χ^2 /NDF: 2742.4/23

Right Out: 37.587+/-0.762 χ^2 /NDF: 113.8/1

Left In: -11.014+/-0.187 χ^2 /NDF: 2116.6/22

Left: -11.426+/-0.132 χ^2 /NDF: 4868.7/46

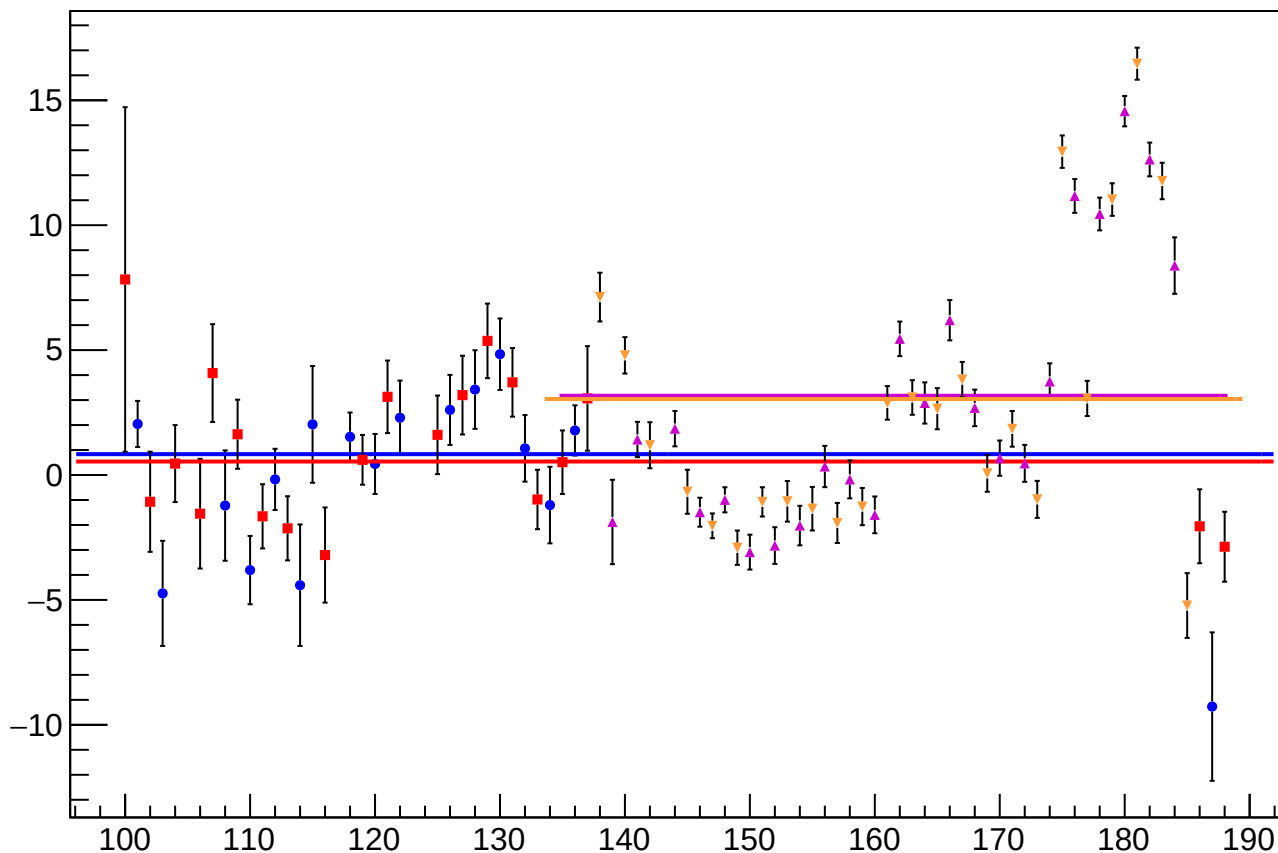
Right: 38.801+/-0.704 χ^2 /NDF: 131.2/2

In: -10.434+/-0.186 χ^2 /NDF: 3059.1/23

Out: -9.035+/-0.181 χ^2 /NDF: 6825.1/25

All: -9.716+/-0.130 χ^2 /NDF: 9913.2/49

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.835 ± 0.336 $\chi^2/\text{NDF}: 54.7/16$

Left Out: 3.042 ± 0.148 $\chi^2/\text{NDF}: 1452.6/23$

Right Out: 0.540 ± 0.334 $\chi^2/\text{NDF}: 52.0/19$

Left In: 3.172 ± 0.150 $\chi^2/\text{NDF}: 1297.9/22$

Left: 3.106 ± 0.105 $\chi^2/\text{NDF}: 2750.9/46$

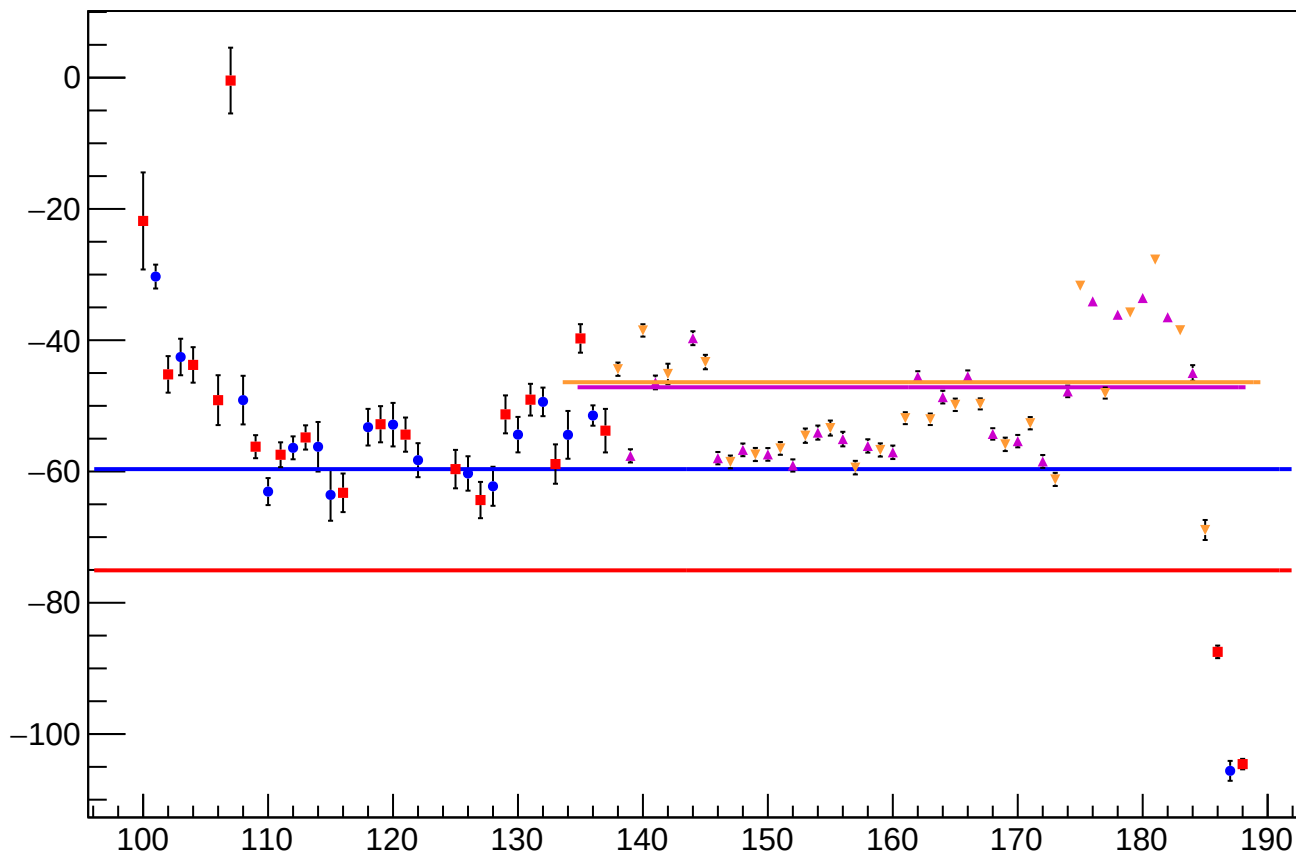
Right: 0.686 ± 0.237 $\chi^2/\text{NDF}: 107.1/36$

In: 2.785 ± 0.137 $\chi^2/\text{NDF}: 1393.0/39$

Out: 2.633 ± 0.135 $\chi^2/\text{NDF}: 1551.5/43$

All: 2.708 ± 0.096 $\chi^2/\text{NDF}: 2945.1/83$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.640 +/- 0.567 χ^2/NDF : 1299.8/16

Left Out: -46.398 +/- 0.187 χ^2/NDF : 3289.4/23

Right Out: -75.061 +/- 0.434 χ^2/NDF : 3133.5/19

Left In: -47.170 +/- 0.186 χ^2/NDF : 2526.3/22

Left: -46.784 +/- 0.132 χ^2/NDF : 5824.3/46

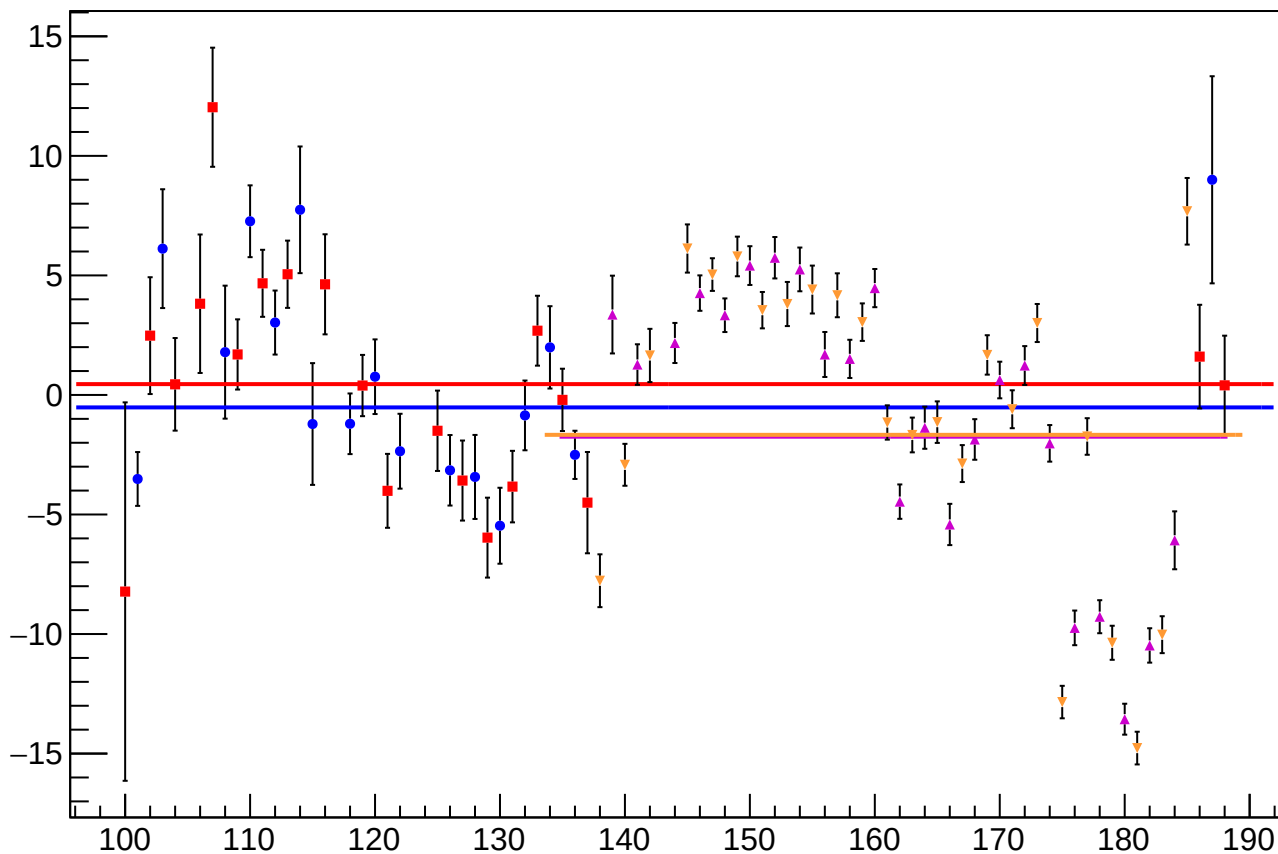
Right: -69.362 +/- 0.345 χ^2/NDF : 4899.0/36

In: -48.385 +/- 0.177 χ^2/NDF : 4262.0/39

Out: -50.859 +/- 0.171 χ^2/NDF : 10097.9/43

All: -49.663 +/- 0.123 χ^2/NDF : 14460.7/83

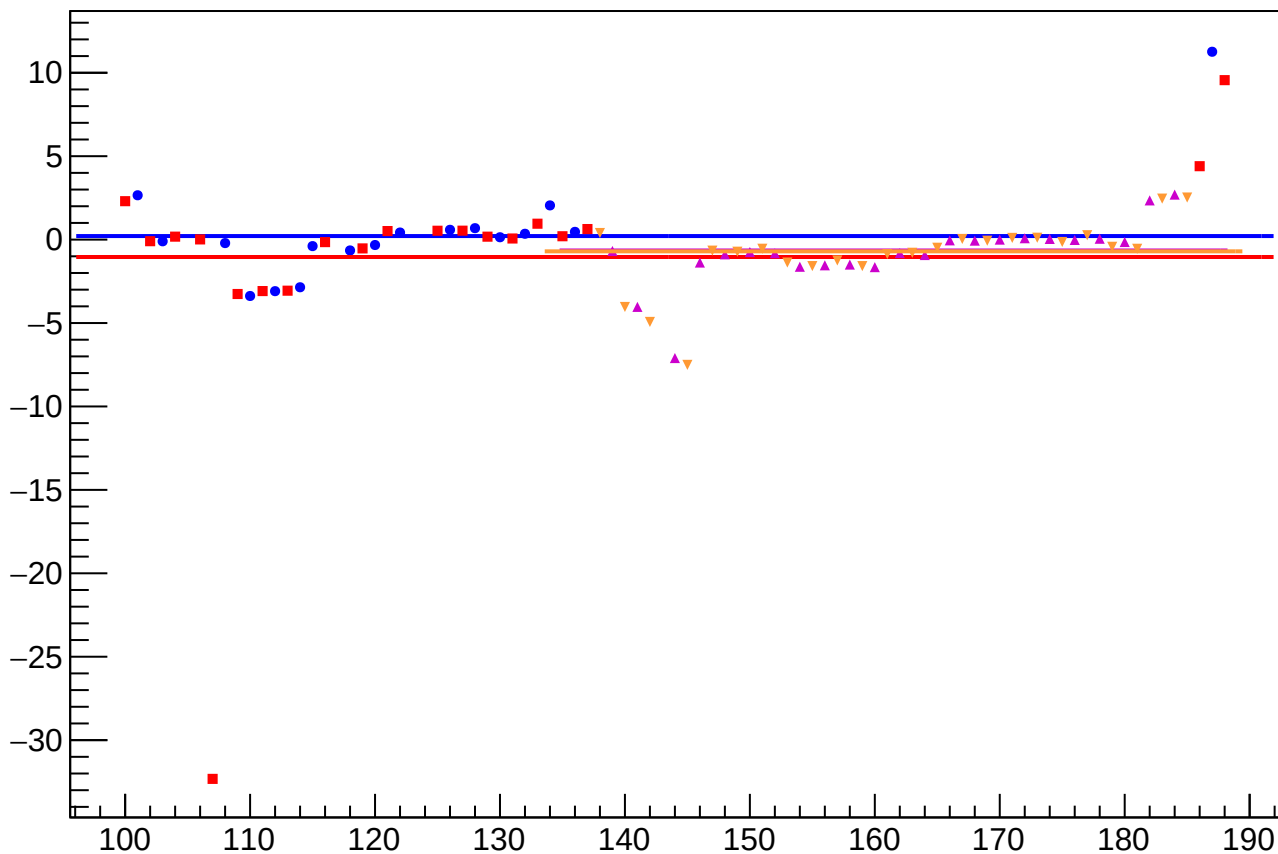
reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.521 ± 0.382 χ^2/NDF : 87.5/16
 Left Out: -1.668 ± 0.167 χ^2/NDF : 1479.3/23
 Right Out: 0.453 ± 0.386 χ^2/NDF : 96.1/19
 Left In: -1.746 ± 0.168 χ^2/NDF : 1254.1/22

Left: -1.707 ± 0.119 χ^2/NDF : 2733.5/46
 Right: -0.039 ± 0.272 χ^2/NDF : 186.7/36
 In: -1.547 ± 0.154 χ^2/NDF : 1350.1/39
 Out: -1.334 ± 0.153 χ^2/NDF : 1600.8/43
 All: -1.440 ± 0.109 χ^2/NDF : 2951.9/83

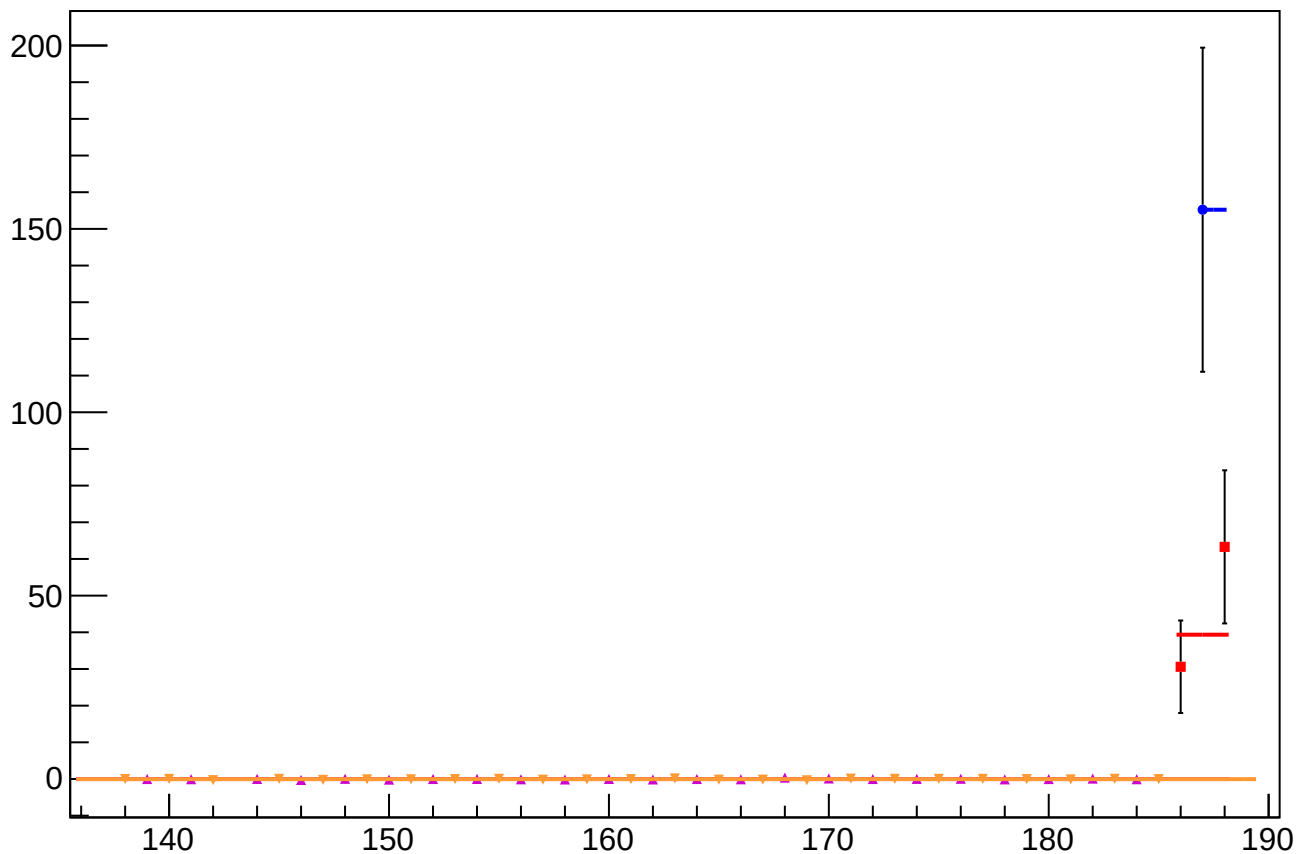
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.213 ± 0.021 $\chi^2/\text{NDF}: 7308.5/16$
 Left Out: -0.703 ± 0.008 $\chi^2/\text{NDF}: 53770.3/23$
 Right Out: -1.042 ± 0.021 $\chi^2/\text{NDF}: 90542.7/19$
 Left In: -0.651 ± 0.008 $\chi^2/\text{NDF}: 44167.1/22$

Left: -0.677 ± 0.005 $\chi^2/\text{NDF}: 97959.9/46$
 Right: -0.423 ± 0.015 $\chi^2/\text{NDF}: 99593.5/36$
 In: -0.554 ± 0.007 $\chi^2/\text{NDF}: 52922.6/39$
 Out: -0.742 ± 0.007 $\chi^2/\text{NDF}: 144541.4/43$
 All: -0.648 ± 0.005 $\chi^2/\text{NDF}: 197806.1/83$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 155.225 $\pm$ 44.188 χ^2 /NDF: 0.0/0

Left Out: -0.038 $\pm$ 0.018 χ^2 /NDF:35.6/23

Right Out: 39.344 $\pm$ 10.795 χ^2 /NDF: 1.8/1

Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:35.3/22

Left: -0.024 $\pm$ 0.013 χ^2 /NDF: 72.1/46

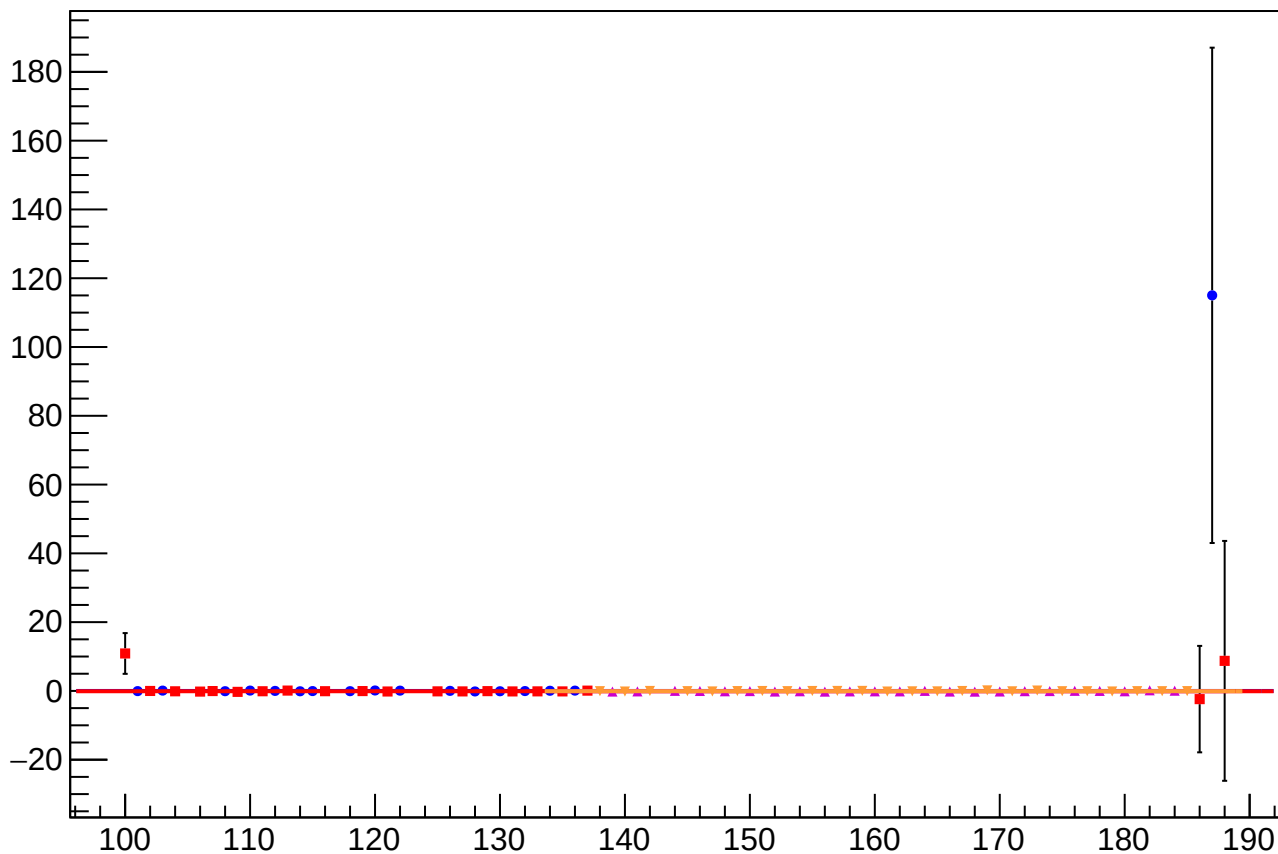
Right: 45.871 $\pm$ 10.487 χ^2 /NDF: 8.3/2

In: -0.009 $\pm$ 0.018 χ^2 /NDF:47.6/23

Out: -0.038 $\pm$ 0.018 χ^2 /NDF:50.7/25

All: -0.024 $\pm$ 0.013 χ^2 /NDF: 99.6/49

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 14.8/16

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.092 ± 0.025 χ^2/NDF : 12.8/19

Left In: -0.065 ± 0.014 χ^2/NDF : 40.4/22

Left: -0.069 ± 0.010 χ^2/NDF : 68.3/46

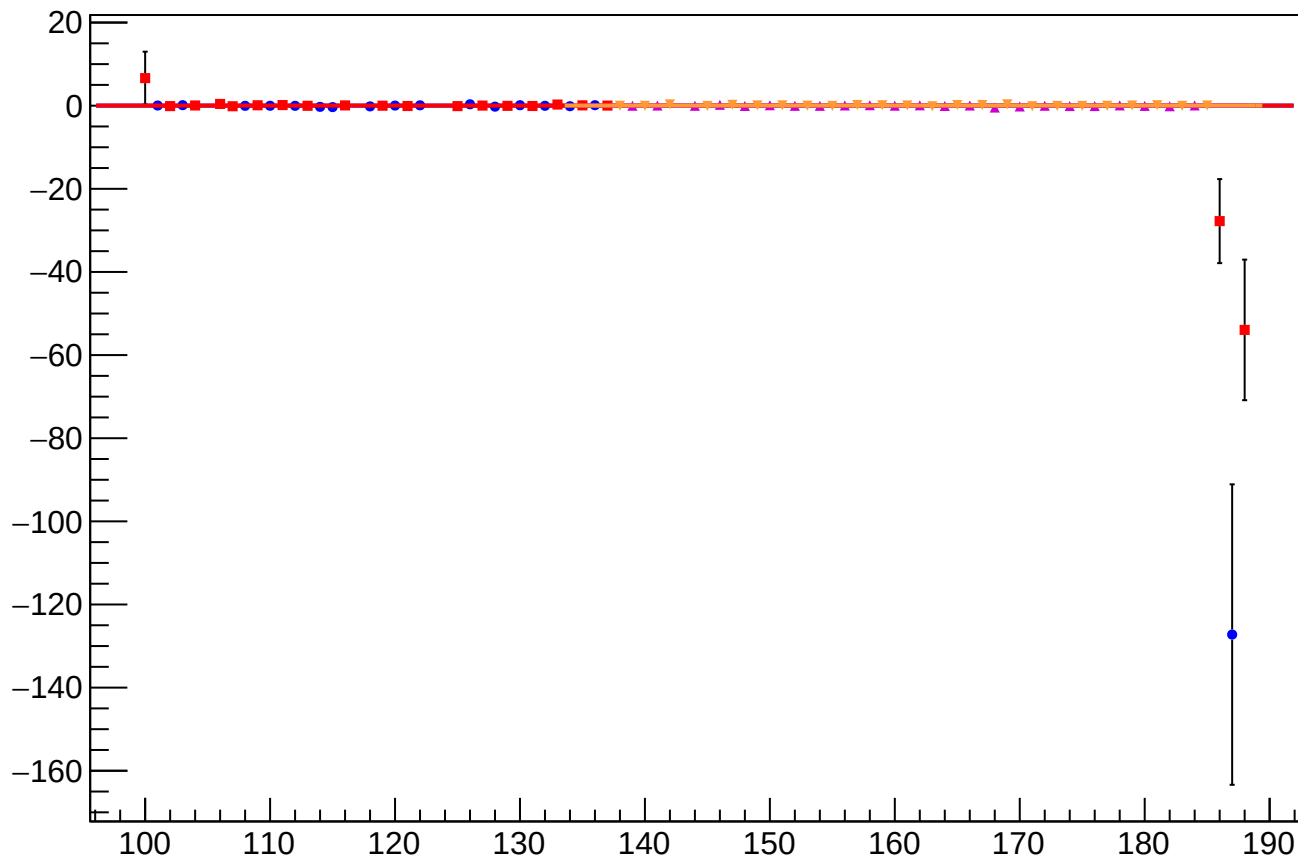
Right: -0.050 ± 0.017 χ^2/NDF : 33.0/36

In: -0.051 ± 0.012 χ^2/NDF : 58.8/39

Out: -0.078 ± 0.012 χ^2/NDF : 41.0/43

All: -0.064 ± 0.009 χ^2/NDF : 102.2/83

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.043 χ^2 /NDF: 22.0/16

Left Out: 0.036 $\pm$ 0.018 χ^2 /NDF:32.4/23

Right Out: 0.029 $\pm$ 0.045 χ^2 /NDF: 27.0/19

Left In: -0.010 $\pm$ 0.018 χ^2 /NDF:37.1/22

Left: 0.013 $\pm$ 0.013 χ^2 /NDF: 72.8/46

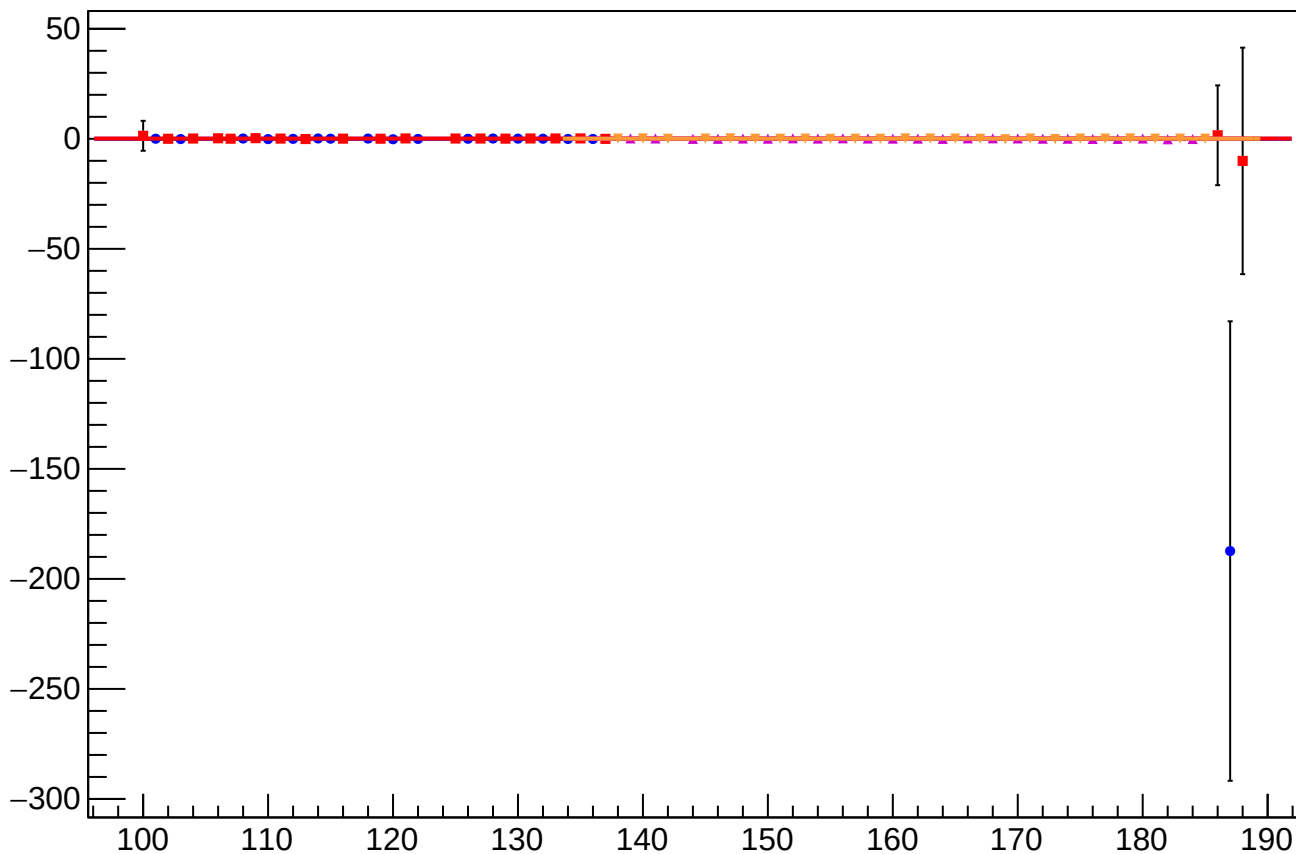
Right: 0.023 $\pm$ 0.031 χ^2 /NDF: 49.0/36

In: -0.006 $\pm$ 0.017 χ^2 /NDF:59.5/39

Out: 0.035 $\pm$ 0.017 χ^2 /NDF:59.4/43

All: 0.014 $\pm$ 0.012 χ^2 /NDF: 121.9/83

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007+/-0.027 χ^2/NDF : 15.3/16

Left Out: 0.086+/-0.016 χ^2/NDF : 27.8/23

Right Out: 0.110+/-0.029 χ^2/NDF : 8.0/19

Left In: 0.071+/-0.016 χ^2/NDF : 44.0/22

Left: 0.079+/-0.011 χ^2/NDF : 72.1/46

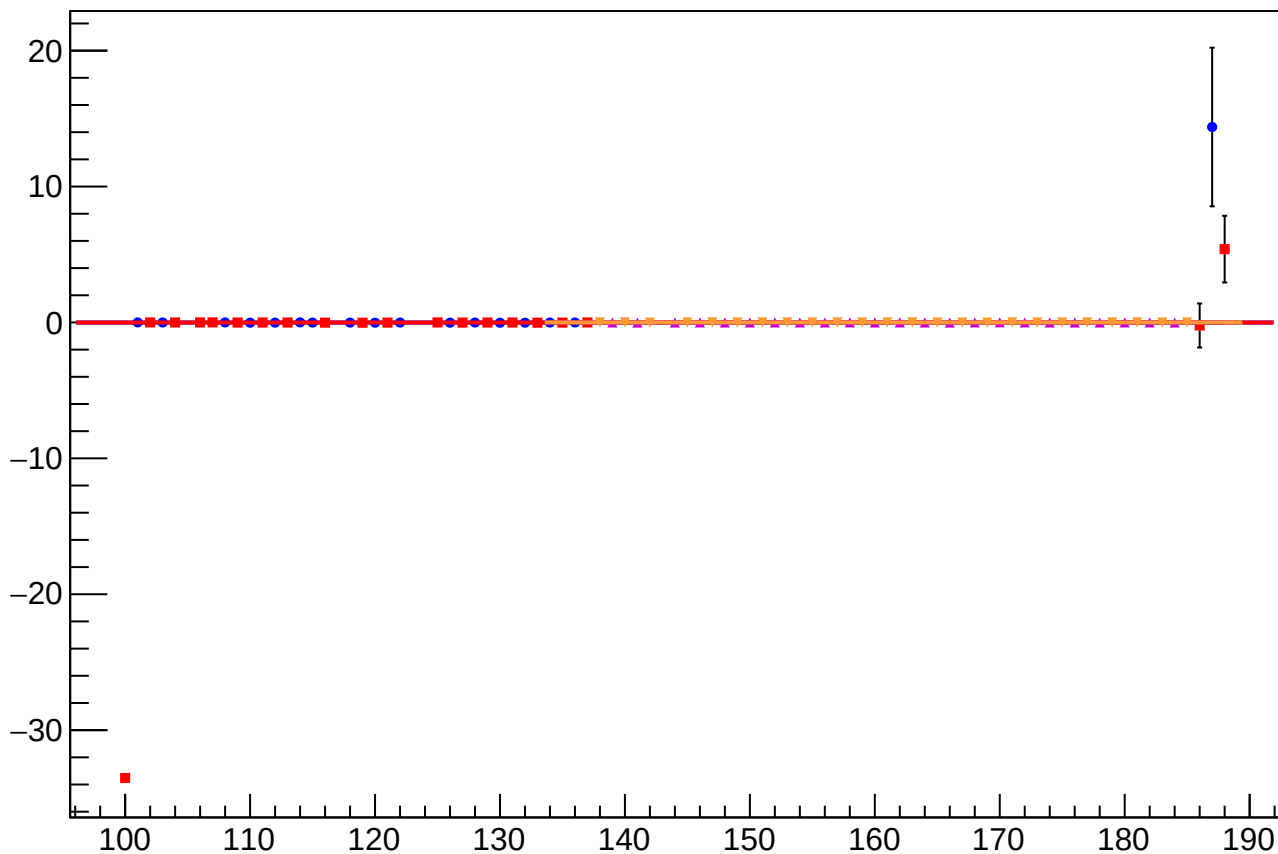
Right: 0.055+/-0.020 χ^2/NDF : 30.2/36

In: 0.054+/-0.014 χ^2/NDF : 63.5/39

Out: 0.092+/-0.014 χ^2/NDF : 36.3/43

All: 0.073+/-0.010 χ^2/NDF : 103.4/83

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005+/-0.001 χ^2/NDF : 28.7/16

Left Out: 0.000+/-0.001 χ^2/NDF :23.9/23

Right Out: -0.006+/-0.001 χ^2/NDF : 26513.8/19

Left In: 0.000+/-0.001 χ^2/NDF :22.4/22

Left: 0.000+/-0.001 χ^2/NDF : 46.3/46

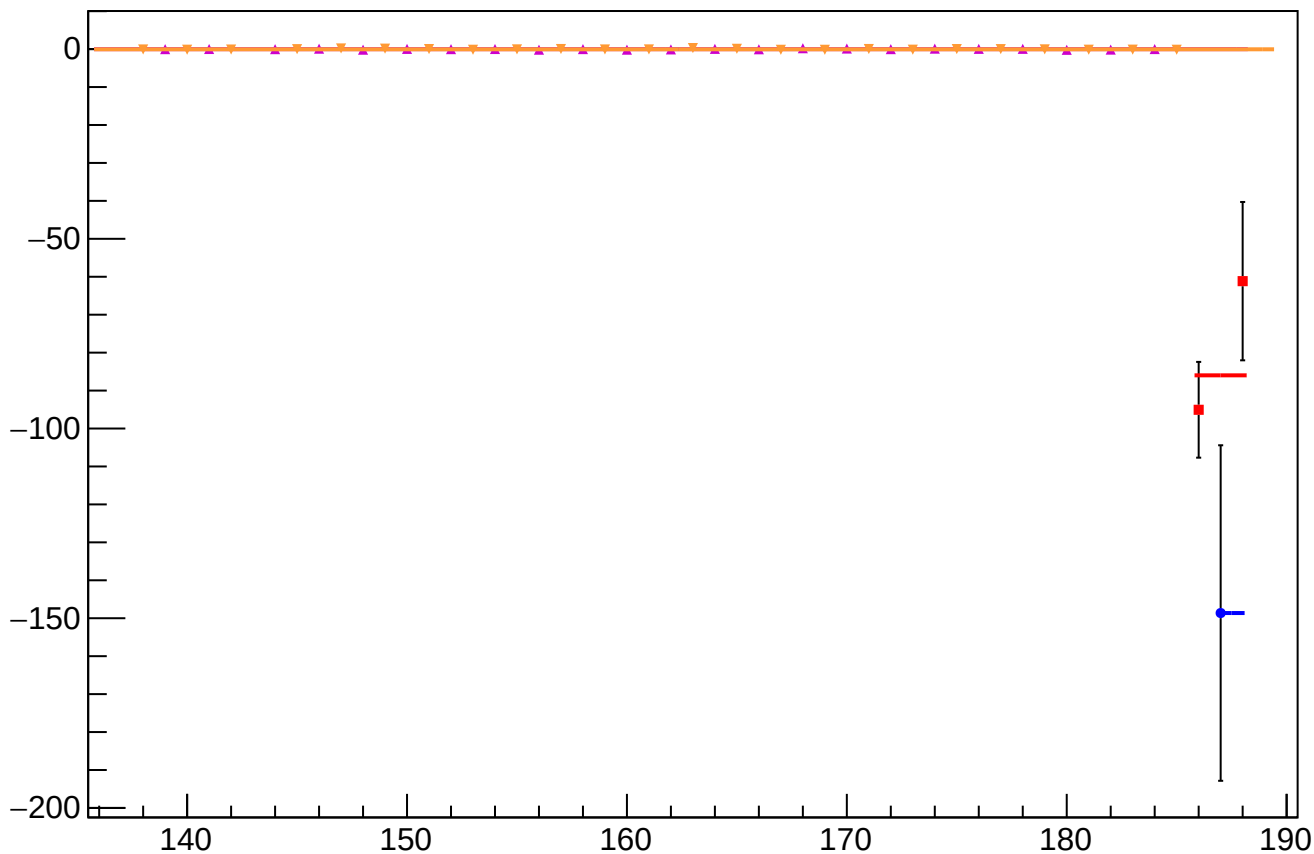
Right: -0.006+/-0.001 χ^2/NDF : 26542.5/36

In: -0.001+/-0.001 χ^2/NDF :63.2/39

Out: -0.001+/-0.001 χ^2/NDF :26552.5/43

All: -0.001+/-0.000 χ^2/NDF : 26615.7/83

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -148.630+/-44.216 χ^2/NDF : 0.0/0

Left Out: -0.052+/-0.018 χ^2/NDF : 37.3/23

Right Out: -85.982+/-10.799 χ^2/NDF : 1.9/1

Left In: -0.010+/-0.018 χ^2/NDF : 33.3/22

Left: -0.031+/-0.013 χ^2/NDF : 73.3/46

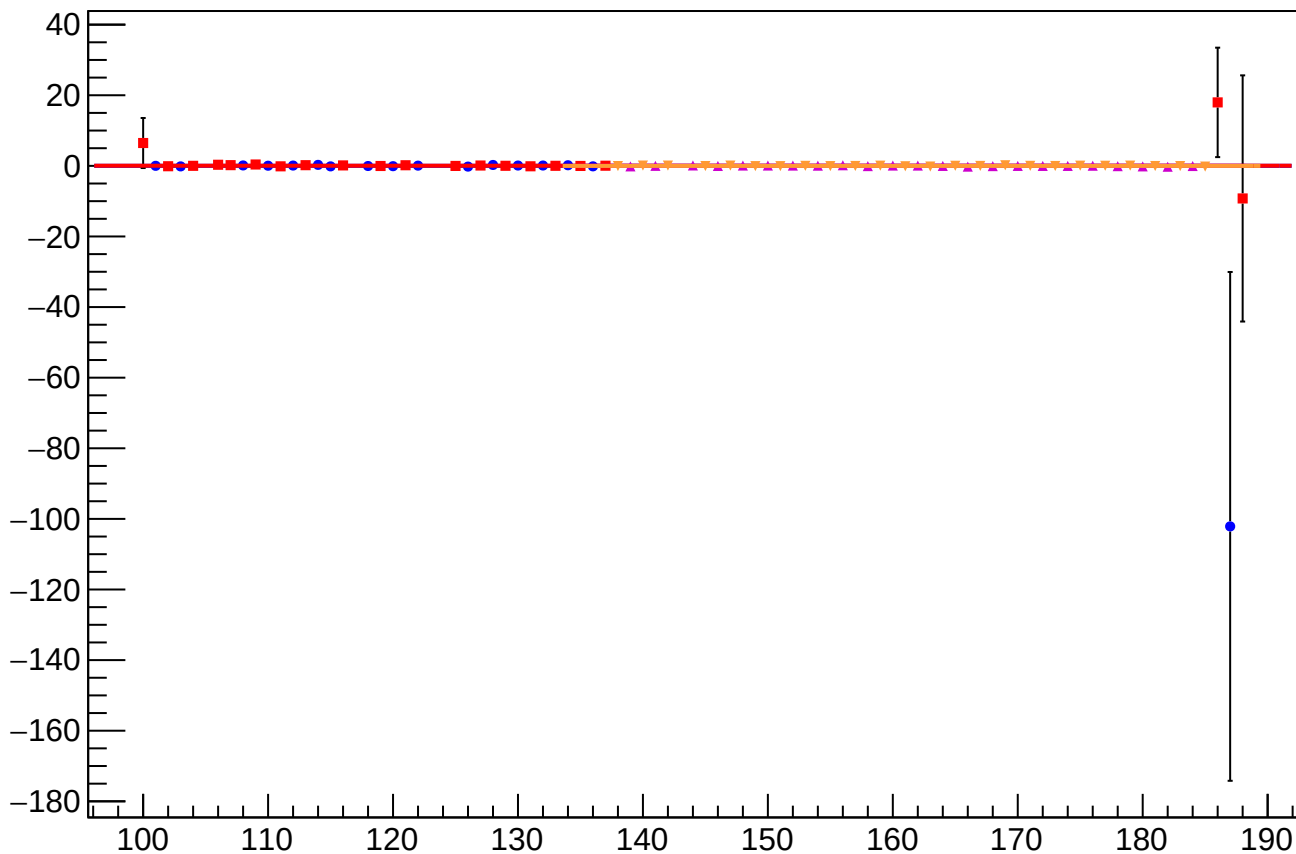
Right: -89.509+/-10.491 χ^2/NDF : 3.8/2

In: -0.010+/-0.018 χ^2/NDF : 44.6/23

Out: -0.052+/-0.018 χ^2/NDF : 102.6/25

All: -0.031+/-0.013 χ^2/NDF : 149.9/49

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.023 χ^2 /NDF: 27.4/16

Left Out: -0.010 $\pm$ 0.014 χ^2 /NDF:29.5/23

Right Out: 0.040 $\pm$ 0.025 χ^2 /NDF: 29.3/19

Left In: 0.004 $\pm$ 0.014 χ^2 /NDF:50.3/22

Left: -0.003 $\pm$ 0.010 χ^2 /NDF: 80.2/46

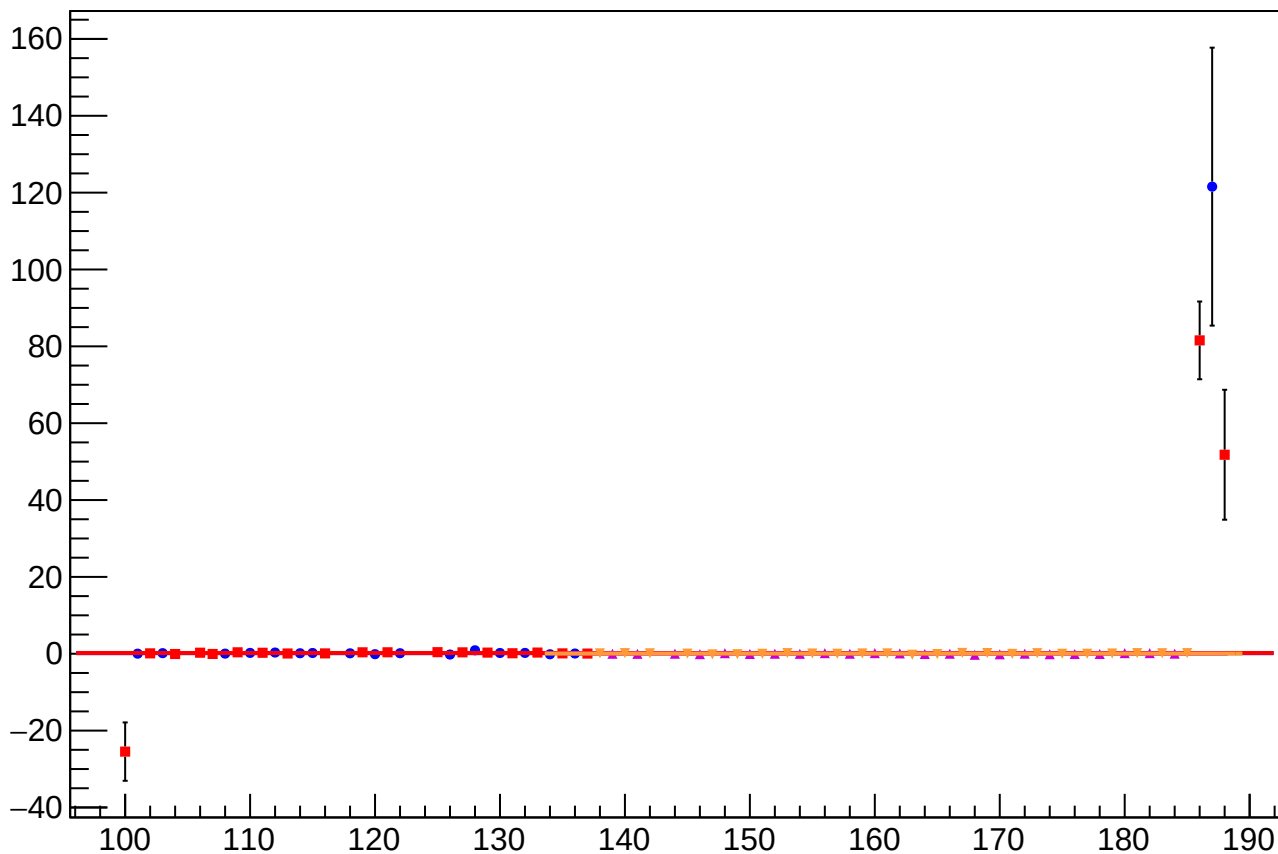
Right: 0.024 $\pm$ 0.017 χ^2 /NDF: 57.5/36

In: 0.006 $\pm$ 0.012 χ^2 /NDF:77.8/39

Out: 0.002 $\pm$ 0.012 χ^2 /NDF:61.9/43

All: 0.004 $\pm$ 0.009 χ^2 /NDF: 139.8/83

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.152 $\pm$ 0.043 χ^2 /NDF: 40.0/16

Left Out: 0.048 $\pm$ 0.018 χ^2 /NDF:35.4/23

Right Out: 0.202 $\pm$ 0.045 χ^2 /NDF: 96.8/19

Left In: 0.021 $\pm$ 0.018 χ^2 /NDF:34.0/22

Left: 0.034 $\pm$ 0.013 χ^2 /NDF: 70.5/46

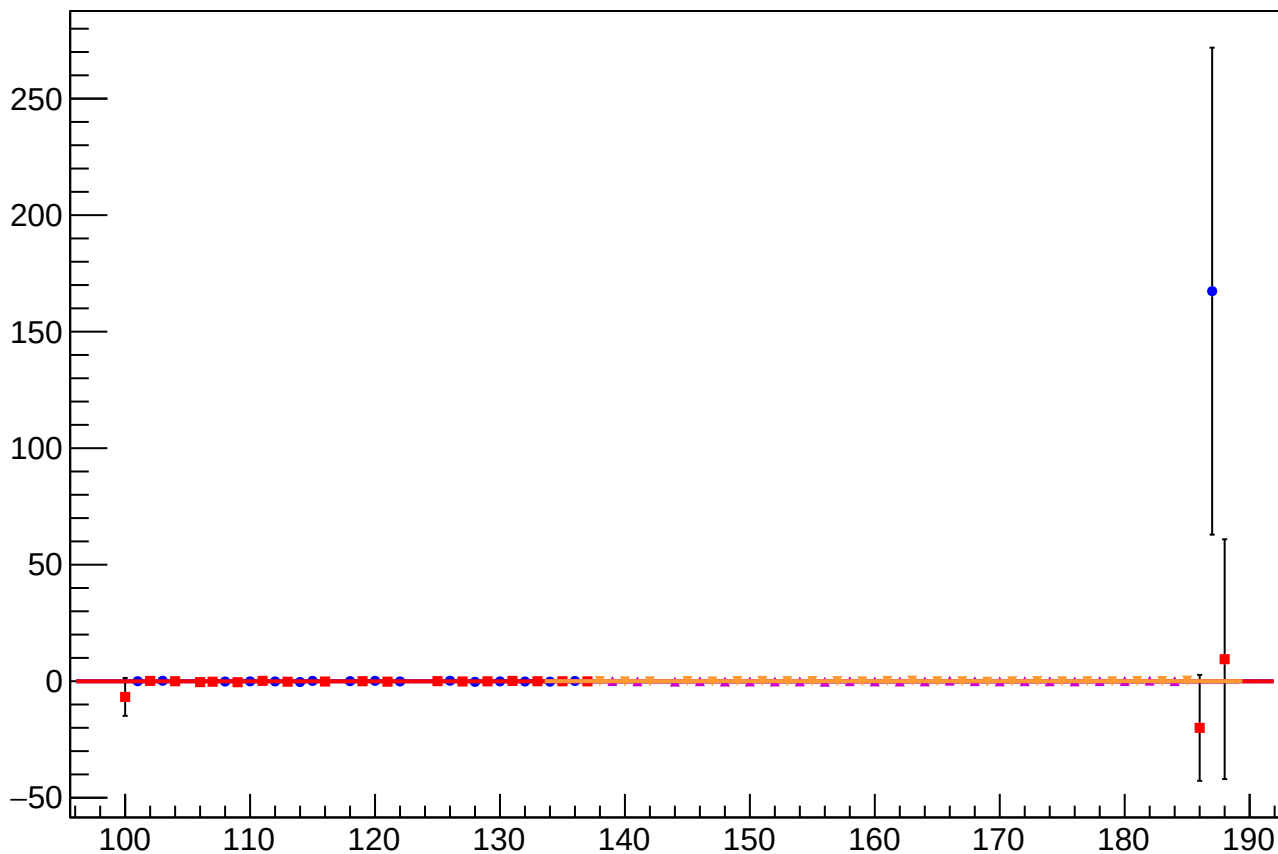
Right: 0.176 $\pm$ 0.031 χ^2 /NDF: 137.5/36

In: 0.041 $\pm$ 0.017 χ^2 /NDF:82.0/39

Out: 0.069 $\pm$ 0.017 χ^2 /NDF:142.4/43

All: 0.055 $\pm$ 0.012 χ^2 /NDF: 225.8/83

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.014 ± 0.027 χ^2/NDF : 27.7/16

Left Out: 0.021 ± 0.016 χ^2/NDF : 33.2/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 26.6/19

Left In: 0.007 ± 0.016 χ^2/NDF : 50.7/22

Left: 0.014 ± 0.011 χ^2/NDF : 84.2/46

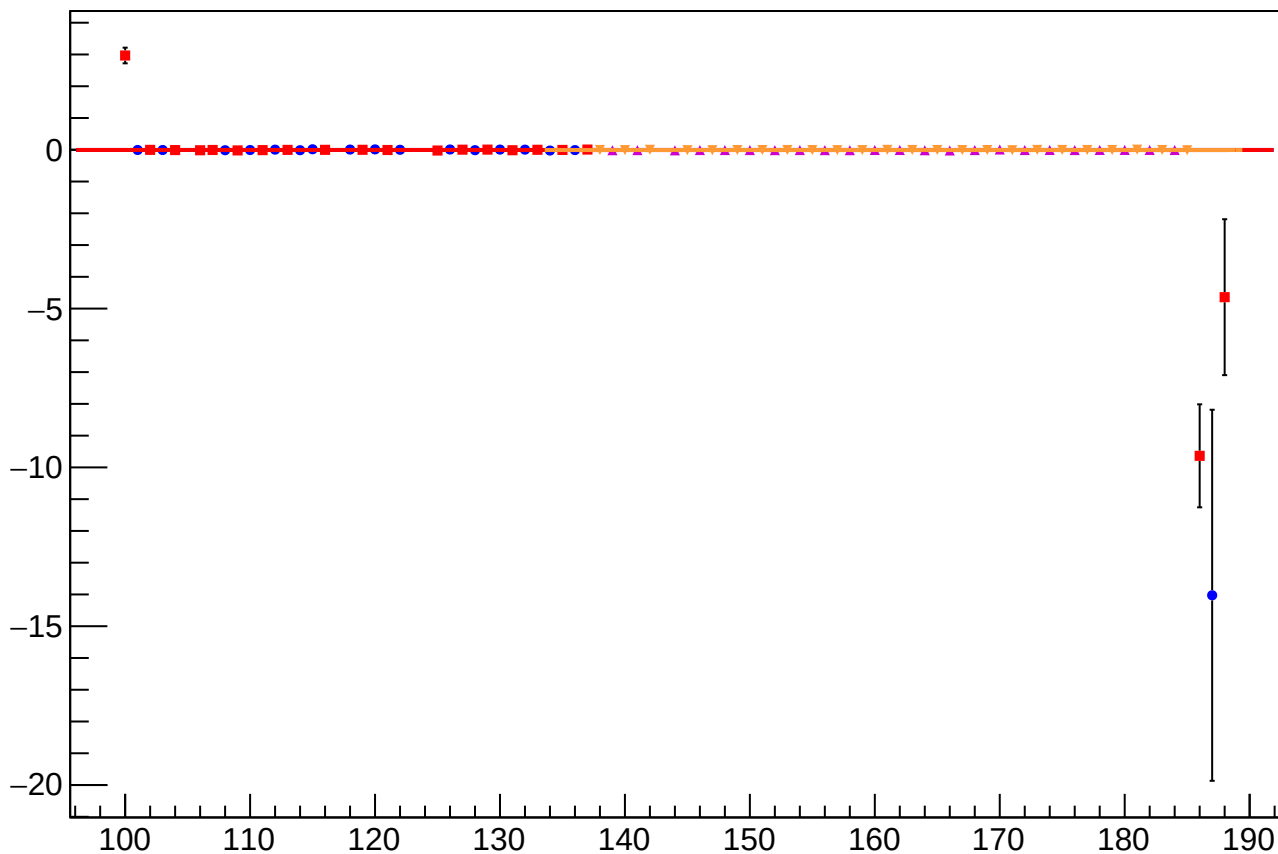
Right: -0.031 ± 0.020 χ^2/NDF : 55.1/36

In: 0.002 ± 0.014 χ^2/NDF : 78.8/39

Out: 0.004 ± 0.014 χ^2/NDF : 64.4/43

All: 0.003 ± 0.010 χ^2/NDF : 143.2/83

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.001 χ^2/NDF : 34.8/16

Left Out: -0.008 ± 0.001 χ^2/NDF : 31.9/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 204.7/19

Left In: -0.009 ± 0.001 χ^2/NDF : 39.2/22

Left: -0.008 ± 0.001 χ^2/NDF : 71.4/46

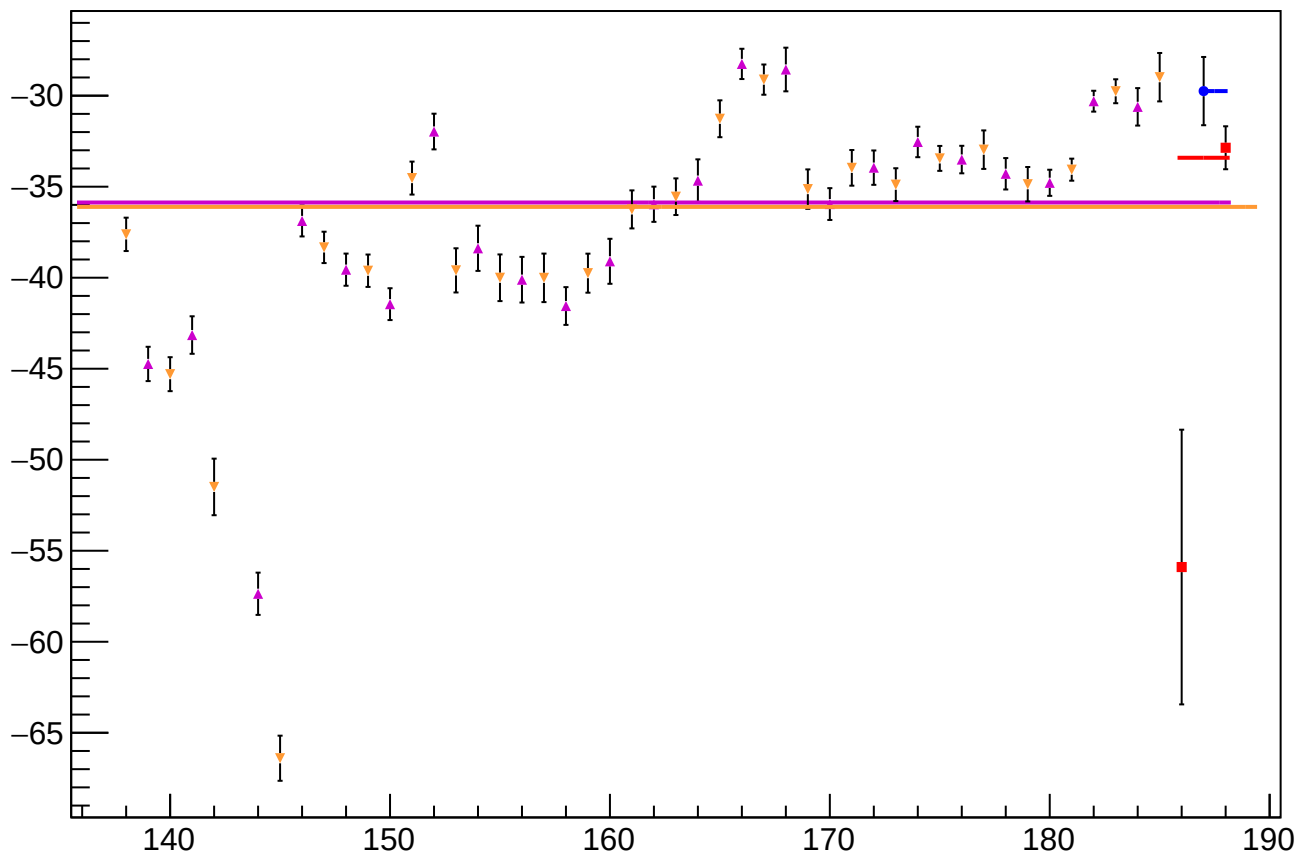
Right: -0.006 ± 0.001 χ^2/NDF : 239.4/36

In: -0.008 ± 0.001 χ^2/NDF : 76.8/39

Out: -0.008 ± 0.001 χ^2/NDF : 238.4/43

All: -0.008 ± 0.000 χ^2/NDF : 315.5/83

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -29.748 $\pm$ 1.875 χ^2/NDF : 0.0/0

Left Out: -36.110 $\pm$ 0.192 χ^2/NDF :1118.4/23

Right Out: -33.411 $\pm$ 1.166 χ^2/NDF : 9.1/1

Left In: -35.869 $\pm$ 0.191 χ^2/NDF :887.1/22

Left: -35.989 $\pm$ 0.135 χ^2/NDF : 2006.3/46

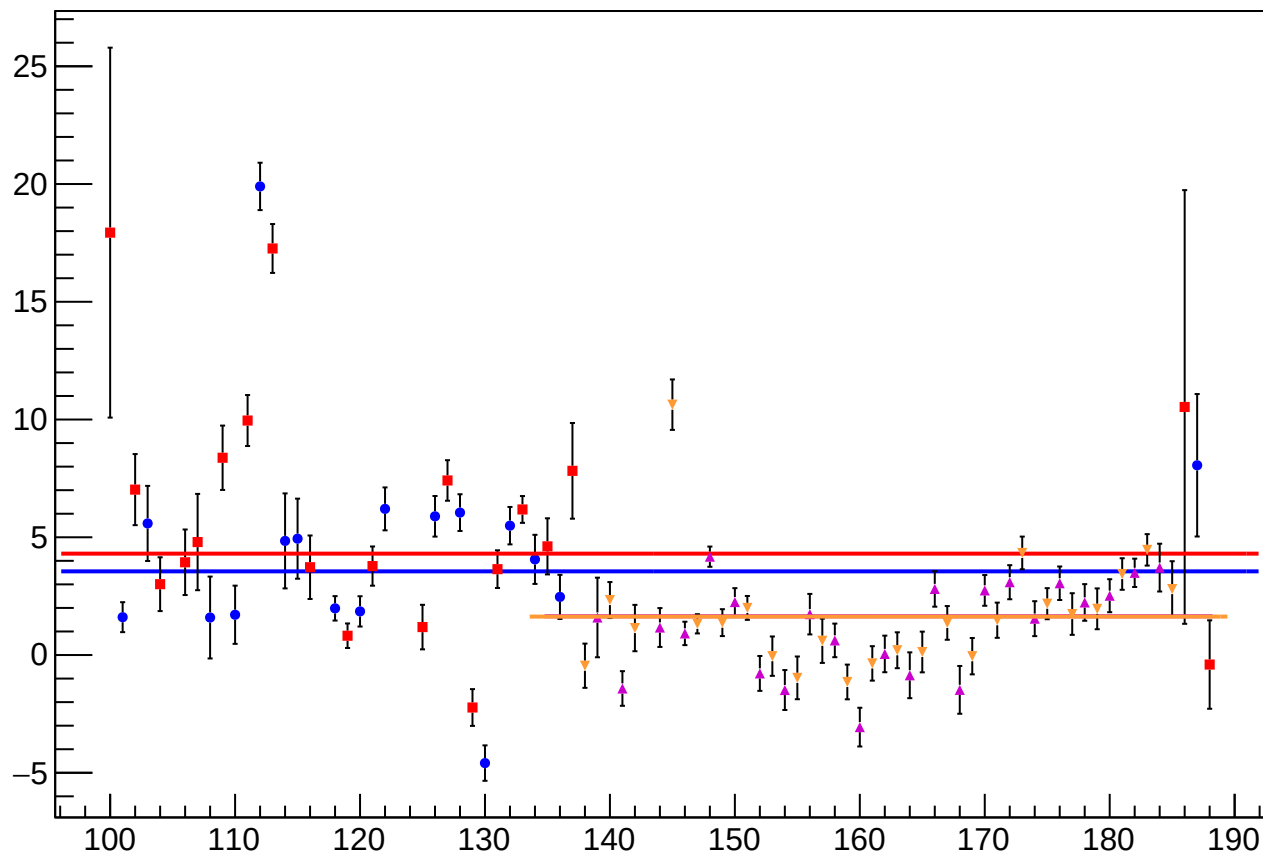
Right: -32.390 $\pm$ 0.990 χ^2/NDF : 11.8/2

In: -35.806 $\pm$ 0.190 χ^2/NDF :897.7/23

Out: -36.039 $\pm$ 0.189 χ^2/NDF :1132.7/25

All: -35.923 $\pm$ 0.134 χ^2/NDF : 2031.1/49

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.553 $\pm$ 0.217 χ^2 /NDF: 448.8/16

Left Out: 1.632 $\pm$ 0.148 χ^2 /NDF:166.7/23

Right Out: 4.305 $\pm$ 0.224 χ^2 /NDF: 360.7/19

Left In: 1.646 $\pm$ 0.149 χ^2 /NDF:164.1/22

Left: 1.639 $\pm$ 0.105 χ^2 /NDF: 330.7/46

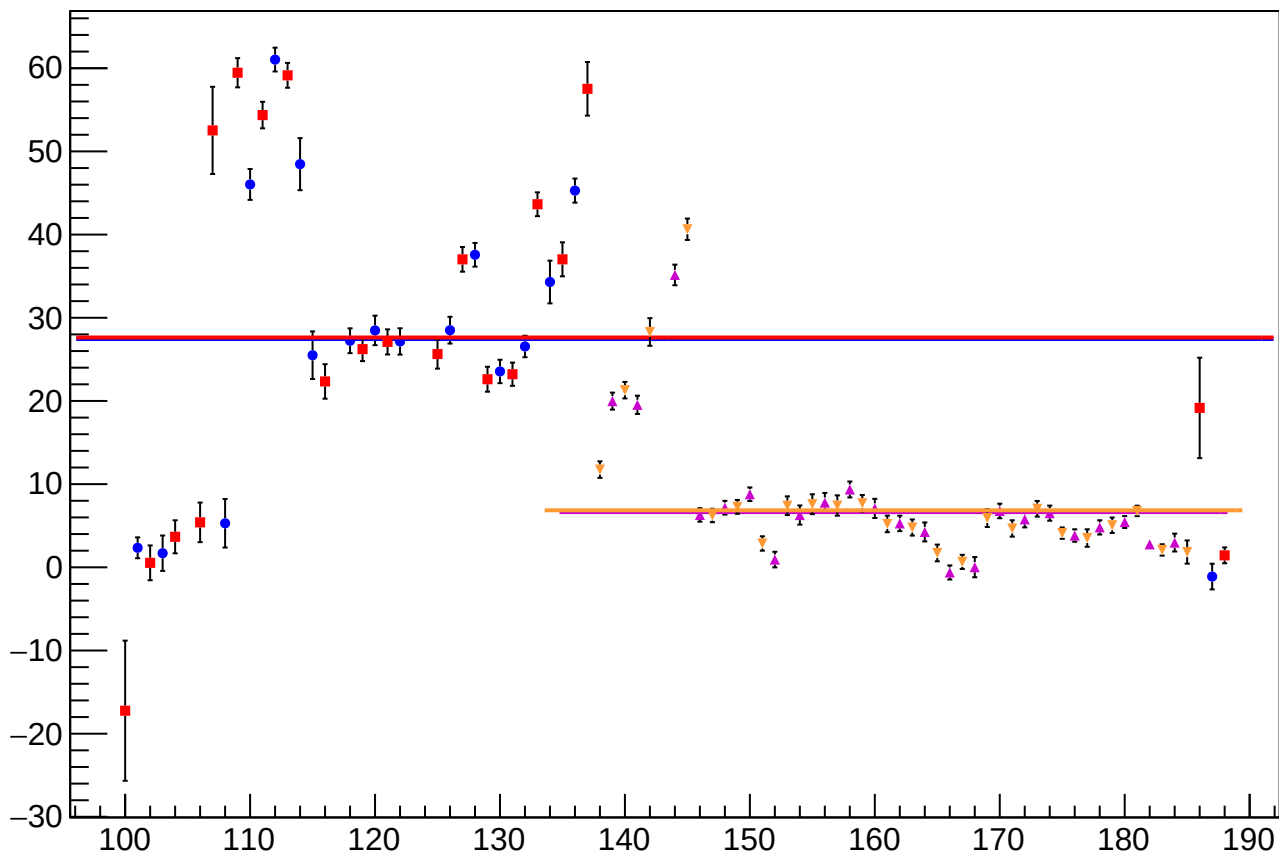
Right: 3.917 $\pm$ 0.156 χ^2 /NDF: 815.3/36

In: 2.258 $\pm$ 0.123 χ^2 /NDF:665.4/39

Out: 2.444 $\pm$ 0.123 χ^2 /NDF:626.7/43

All: 2.351 $\pm$ 0.087 χ^2 /NDF: 1293.3/83

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.446+/-0.402 χ^2/NDF : 1863.5/16

Left Out: 6.855+/-0.191 χ^2/NDF : 1298.7/23

Right Out: 27.627+/-0.386 χ^2/NDF : 2565.8/19

Left In: 6.639+/-0.190 χ^2/NDF : 1077.2/22

Left: 6.746+/-0.135 χ^2/NDF : 2376.6/46

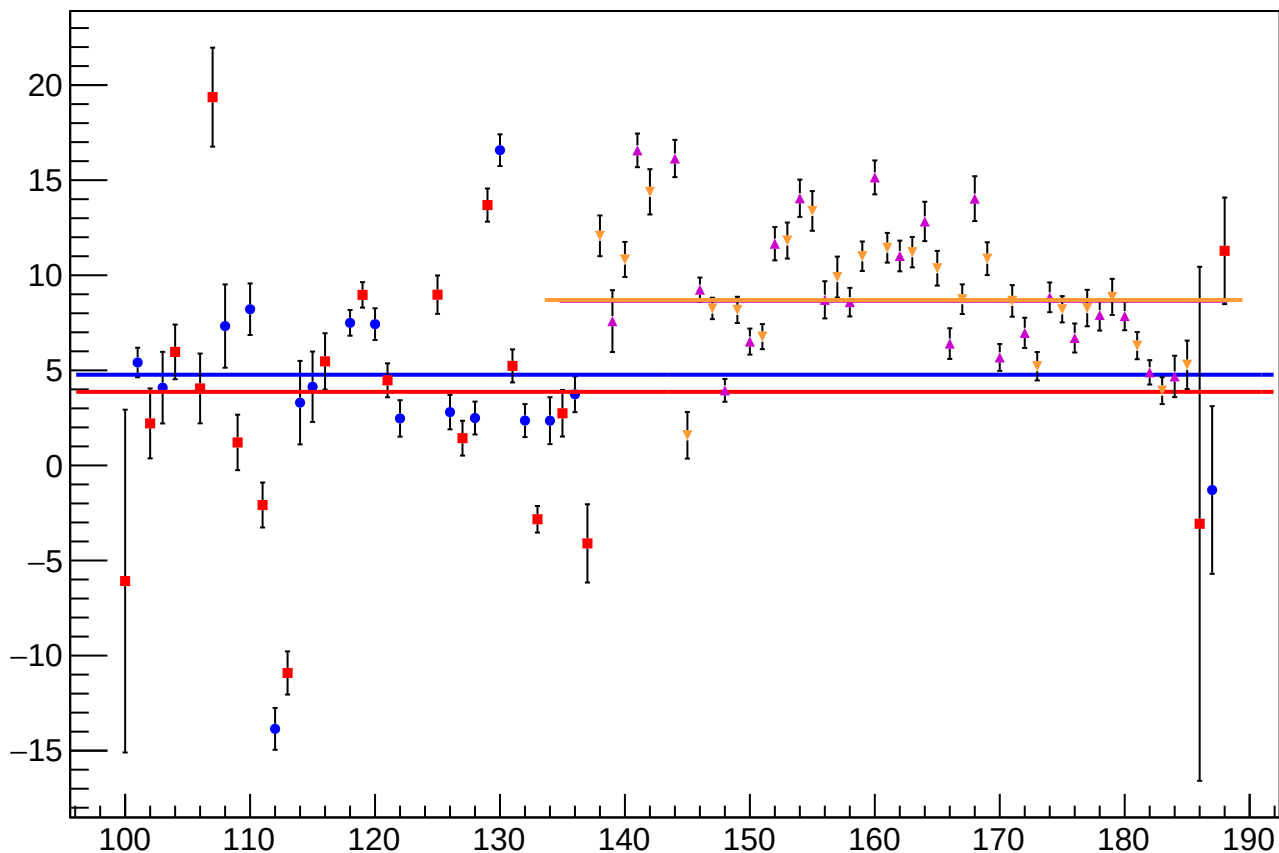
Right: 27.540+/-0.278 χ^2/NDF : 4429.4/36

In: 10.426+/-0.172 χ^2/NDF : 5128.8/39

Out: 10.957+/-0.171 χ^2/NDF : 6191.2/43

All: 10.692+/-0.121 χ^2/NDF : 11324.7/83

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.769 $\pm$ 0.251 χ^2 /NDF: 555.8/16

Left Out: 8.697 $\pm$ 0.169 χ^2 /NDF:241.1/23

Right Out: 3.869 $\pm$ 0.258 χ^2 /NDF: 574.9/19

Left In: 8.659 $\pm$ 0.170 χ^2 /NDF:438.0/22

Left: 8.678 $\pm$ 0.120 χ^2 /NDF: 679.2/46

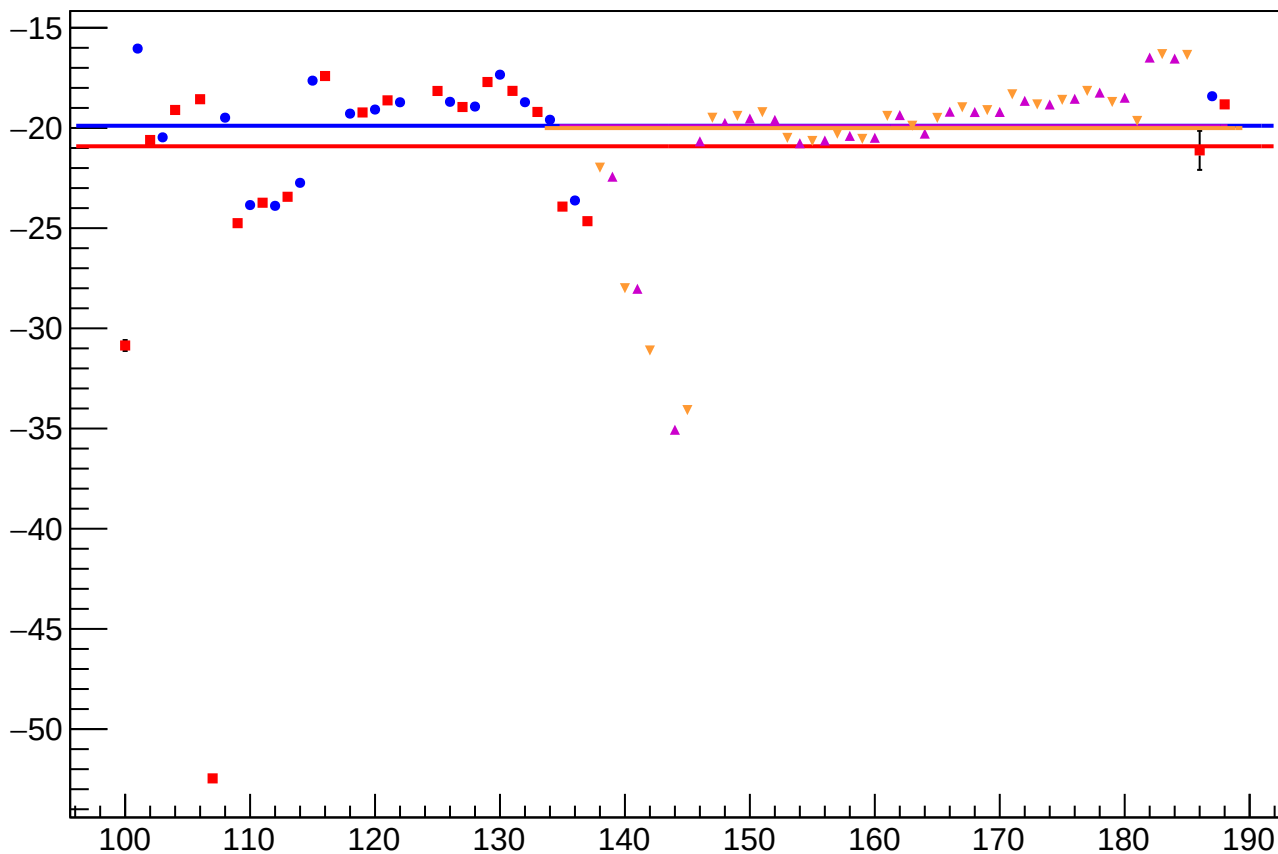
Right: 4.332 $\pm$ 0.180 χ^2 /NDF: 1137.0/36

In: 7.437 $\pm$ 0.141 χ^2 /NDF:1158.8/39

Out: 7.246 $\pm$ 0.141 χ^2 /NDF:1061.4/43

All: 7.342 $\pm$ 0.100 χ^2 /NDF: 2221.2/83

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.889 ± 0.016 $\chi^2/\text{NDF}: 26109.0/16$

Left Out: -20.007 ± 0.008 $\chi^2/\text{NDF}: 171647.2/23$

Right Out: -20.914 ± 0.016 $\chi^2/\text{NDF}: 94279.5/19$

Left In: -19.912 ± 0.008 $\chi^2/\text{NDF}: 145487.3/22$

Left: -19.959 ± 0.006 $\chi^2/\text{NDF}: 317207.1/46$

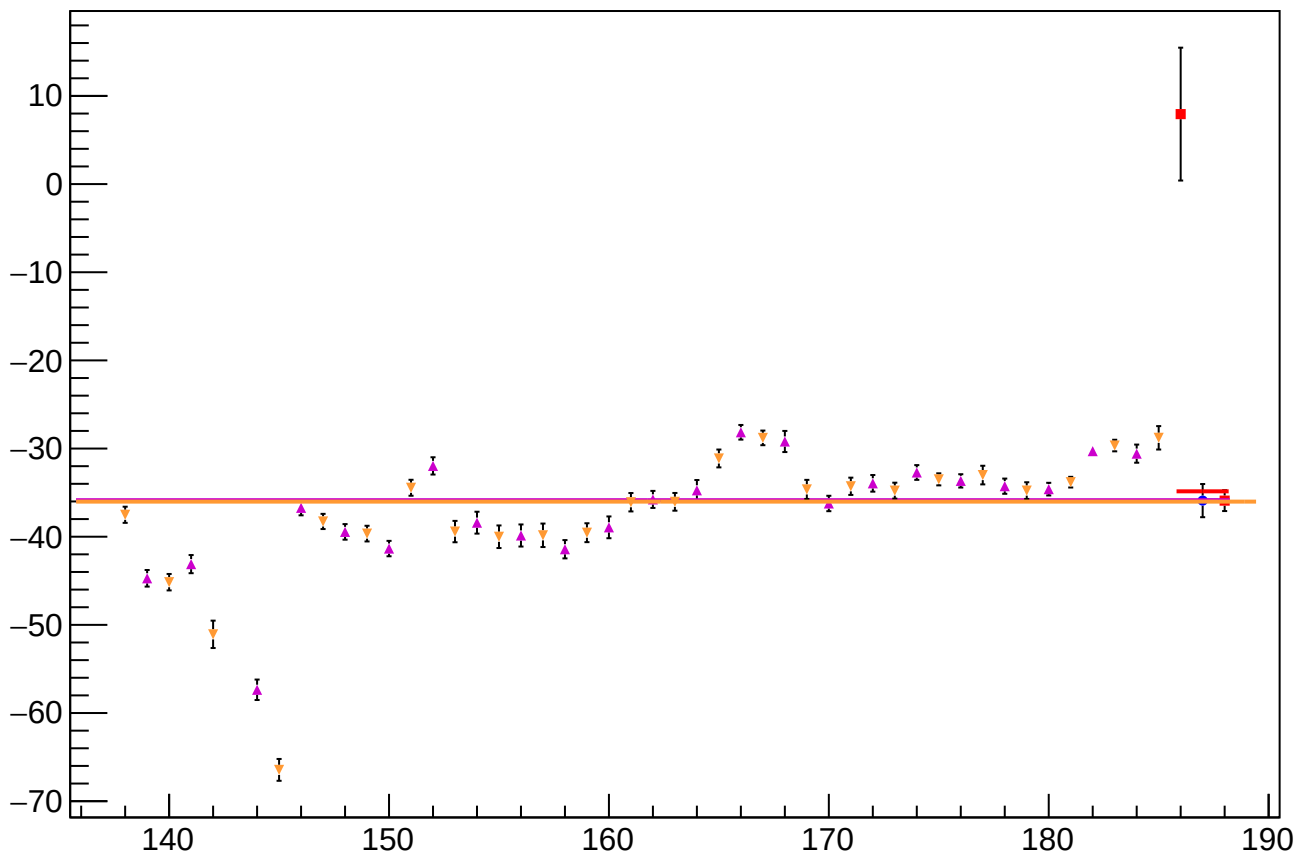
Right: -20.399 ± 0.011 $\chi^2/\text{NDF}: 122550.2/36$

In: -19.908 ± 0.007 $\chi^2/\text{NDF}: 171598.0/39$

Out: -20.191 ± 0.007 $\chi^2/\text{NDF}: 268612.5/43$

All: -20.048 ± 0.005 $\chi^2/\text{NDF}: 441029.4/83$

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -35.906 ± 1.881 χ^2/NDF : 0.0/0

Left Out: -36.019 ± 0.192 χ^2/NDF : 1125.4/23

Right Out: -34.852 ± 1.169 χ^2/NDF : 33.0/1

Left In: -35.856 ± 0.191 χ^2/NDF : 875.9/22

Left: -35.937 ± 0.135 χ^2/NDF : 2001.6/46

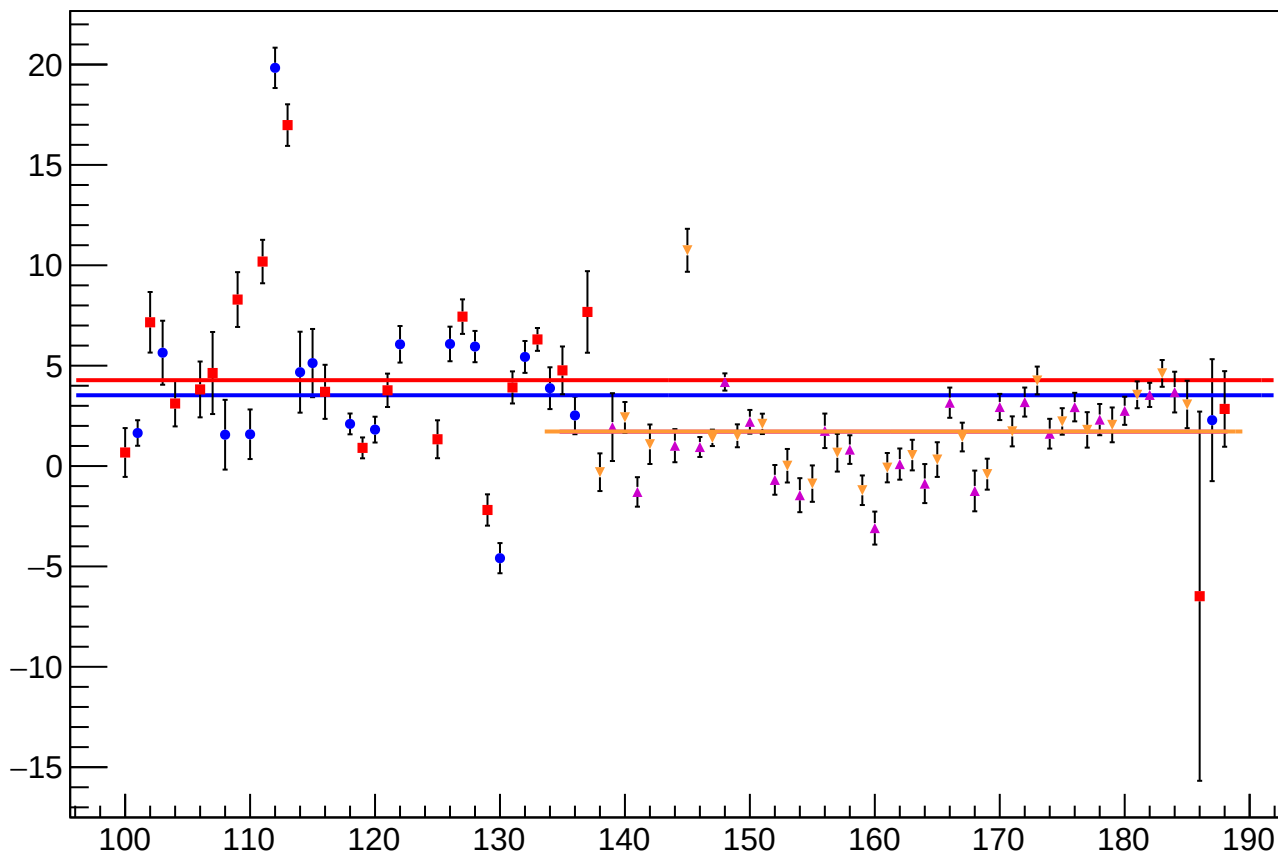
Right: -35.145 ± 0.993 χ^2/NDF : 33.3/2

In: -35.856 ± 0.190 χ^2/NDF : 875.9/23

Out: -35.988 ± 0.189 χ^2/NDF : 1159.4/25

All: -35.922 ± 0.134 χ^2/NDF : 2035.5/49

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.526 ± 0.217 $\chi^2/\text{NDF}: 443.4/16$

Left Out: 1.721 ± 0.148 $\chi^2/\text{NDF}: 168.3/23$

Right Out: 4.277 ± 0.220 $\chi^2/\text{NDF}: 354.8/19$

Left In: 1.712 ± 0.149 $\chi^2/\text{NDF}: 164.1/22$

Left: 1.717 ± 0.105 $\chi^2/\text{NDF}: 332.4/46$

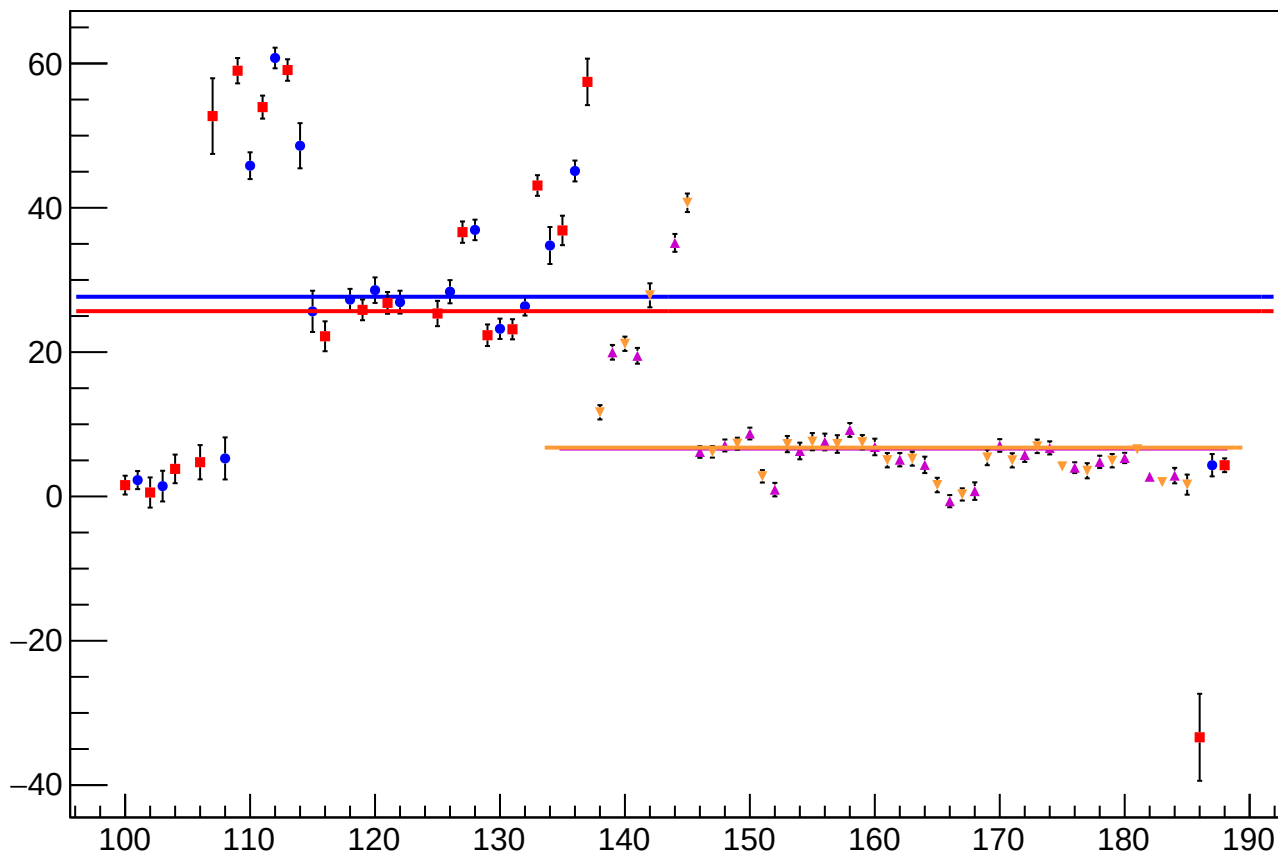
Right: 3.896 ± 0.154 $\chi^2/\text{NDF}: 804.1/36$

In: 2.295 ± 0.123 $\chi^2/\text{NDF}: 655.1/39$

Out: 2.515 ± 0.123 $\chi^2/\text{NDF}: 616.1/43$

All: 2.405 ± 0.087 $\chi^2/\text{NDF}: 1272.8/83$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.673 $\pm$ 0.402 χ^2 /NDF: 1733.2/16

Left Out: 6.767 $\pm$ 0.191 χ^2 /NDF:1301.2/23

Right Out: 25.675 $\pm$ 0.370 χ^2 /NDF: 2824.7/19

Left In: 6.635 $\pm$ 0.190 χ^2 /NDF:1070.4/22

Left: 6.700 $\pm$ 0.135 χ^2 /NDF: 2371.9/46

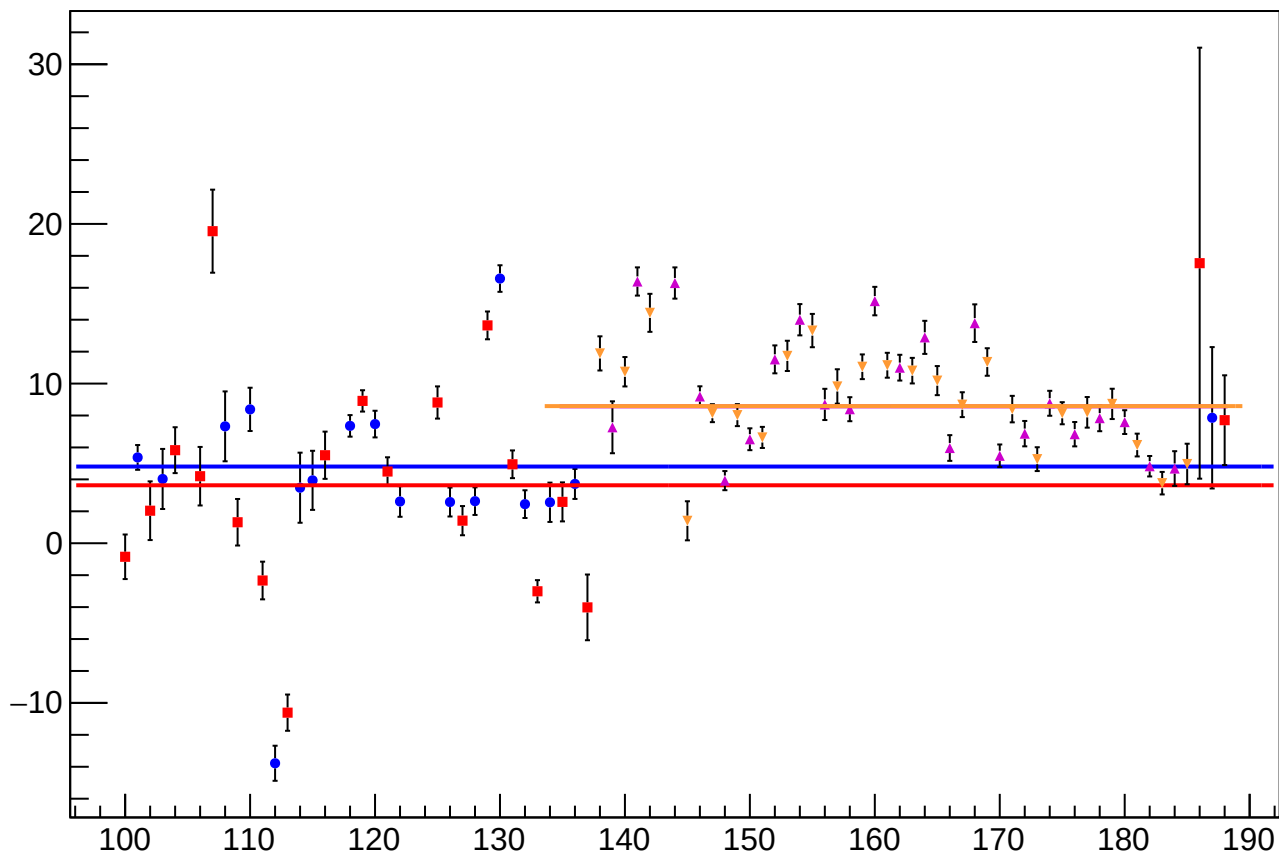
Right: 26.592 $\pm$ 0.272 χ^2 /NDF: 4571.3/36

In: 10.462 $\pm$ 0.172 χ^2 /NDF:5042.6/39

Out: 10.750 $\pm$ 0.170 χ^2 /NDF:6184.6/43

All: 10.607 $\pm$ 0.121 χ^2 /NDF: 11228.6/83

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.804 ± 0.251 $\chi^2/\text{NDF}: 550.4/16$

Left Out: 8.588 ± 0.169 $\chi^2/\text{NDF}: 245.6/23$

Right Out: 3.630 ± 0.253 $\chi^2/\text{NDF}: 576.5/19$

Left In: 8.573 ± 0.170 $\chi^2/\text{NDF}: 443.4/22$

Left: 8.581 ± 0.120 $\chi^2/\text{NDF}: 689.0/46$

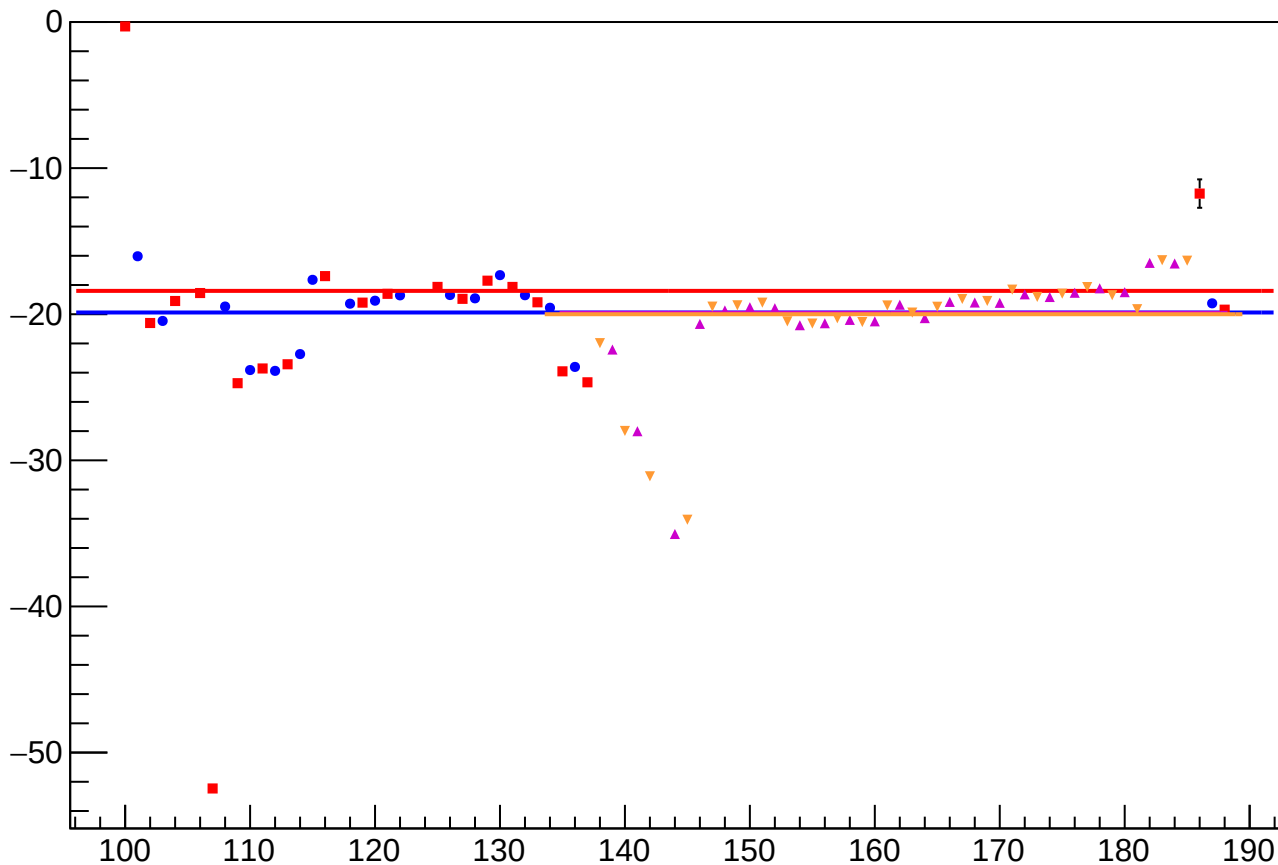
Right: 4.223 ± 0.178 $\chi^2/\text{NDF}: 1137.8/36$

In: 7.389 ± 0.140 $\chi^2/\text{NDF}: 1148.9/39$

Out: 7.064 ± 0.141 $\chi^2/\text{NDF}: 1087.4/43$

All: 7.226 ± 0.099 $\chi^2/\text{NDF}: 2239.0/83$

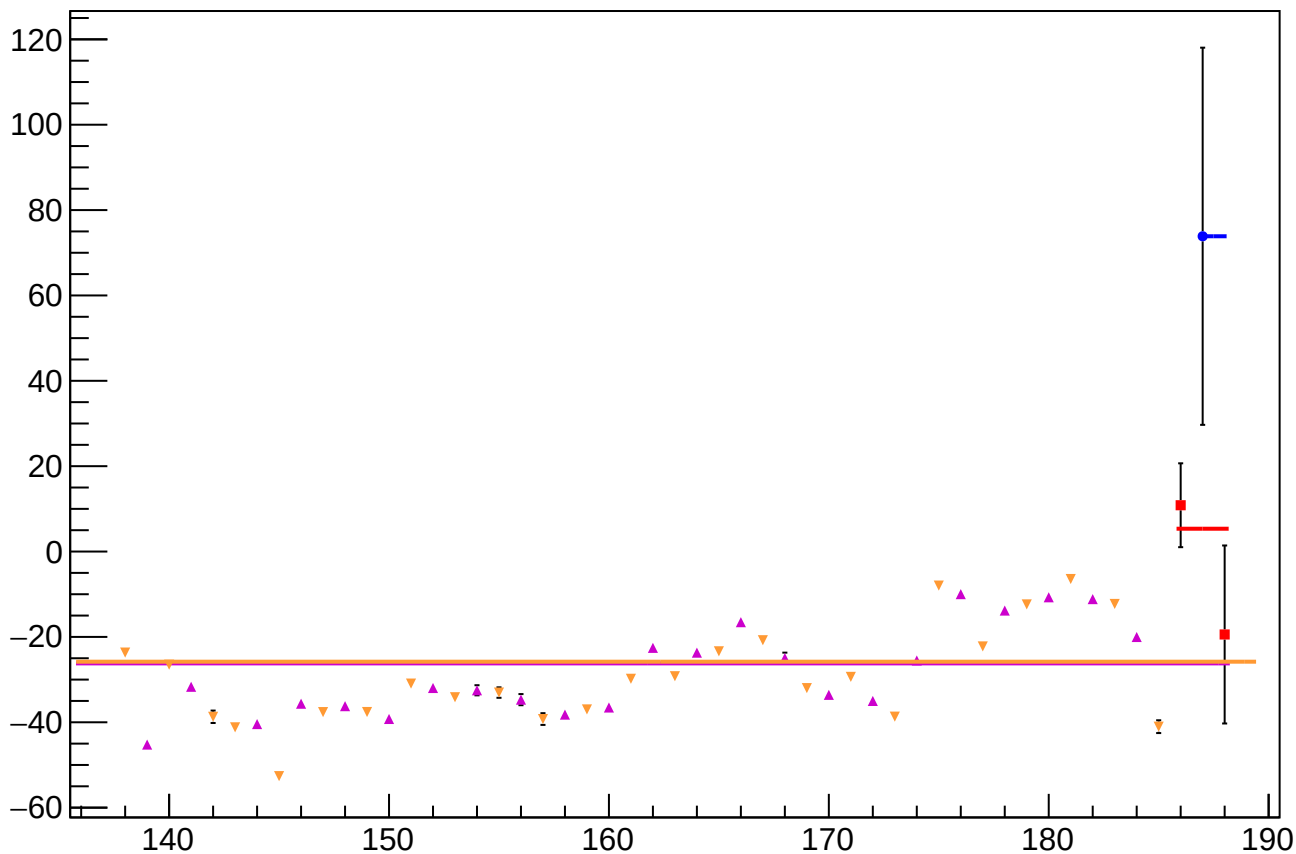
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



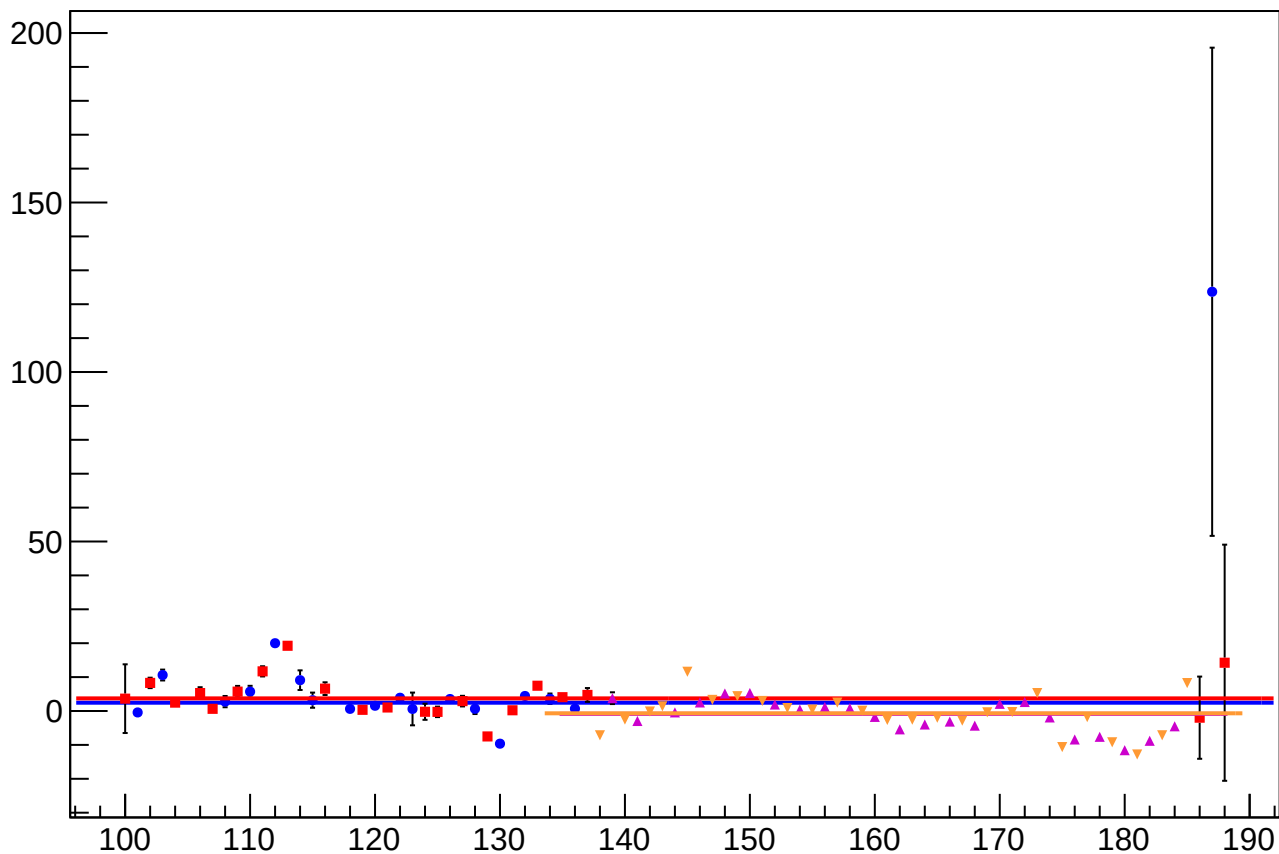
Right In: -19.881 ± 0.016 $\chi^2/\text{NDF}: 26069.8/16$
 Left Out: -19.999 ± 0.008 $\chi^2/\text{NDF}: 171834.0/23$
 Right Out: -18.402 ± 0.015 $\chi^2/\text{NDF}: 301374.8/19$
 Left In: -19.905 ± 0.008 $\chi^2/\text{NDF}: 145346.7/22$

Left: -19.951 ± 0.006 $\chi^2/\text{NDF}: 317253.3/46$
 Right: -19.099 ± 0.011 $\chi^2/\text{NDF}: 332242.1/36$
 In: -19.900 ± 0.007 $\chi^2/\text{NDF}: 171418.4/39$
 Out: -19.640 ± 0.007 $\chi^2/\text{NDF}: 482416.4/43$
 All: -19.770 ± 0.005 $\chi^2/\text{NDF}: 654528.8/83$

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.446 ± 0.311 $\chi^2/\text{NDF}: 298.1/17$

Left Out: -0.681 ± 0.147 $\chi^2/\text{NDF}: 1314.3/24$

Right Out: 3.722 ± 0.327 $\chi^2/\text{NDF}: 269.4/20$

Left In: -0.842 ± 0.150 $\chi^2/\text{NDF}: 1071.6/22$

Left: -0.760 ± 0.105 $\chi^2/\text{NDF}: 2386.5/47$

Right: 3.053 ± 0.225 $\chi^2/\text{NDF}: 575.6/38$

In: -0.221 ± 0.135 $\chi^2/\text{NDF}: 1460.4/40$

Out: 0.057 ± 0.134 $\chi^2/\text{NDF}: 1734.9/45$

All: -0.080 ± 0.095 $\chi^2/\text{NDF}: 3197.5/86$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.549 $\pm$ 0.573 χ^2 /NDF: 2260.4/17

Left Out: 55.000 $\pm$ 0.192 χ^2 /NDF: 4524.8/24

Right Out: 81.580 $\pm$ 0.590 χ^2 /NDF: 1622.7/20

Left In: 55.225 $\pm$ 0.193 χ^2 /NDF: 3825.0/22

Left: 55.112 $\pm$ 0.136 χ^2 /NDF: 8350.5/47

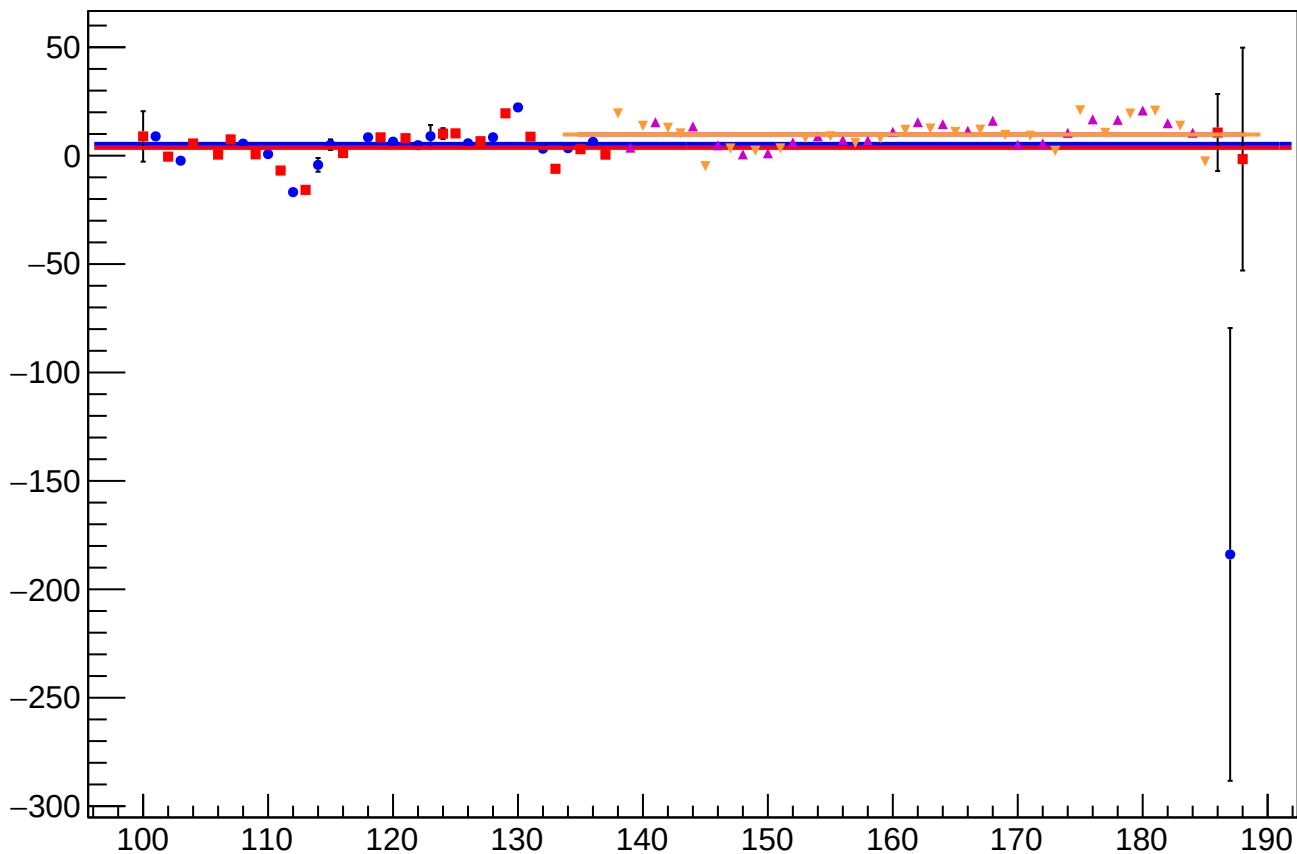
Right: 78.992 $\pm$ 0.411 χ^2 /NDF: 3920.5/38

In: 57.392 $\pm$ 0.183 χ^2 /NDF: 7328.5/40

Out: 57.542 $\pm$ 0.182 χ^2 /NDF: 7983.6/45

All: 57.467 $\pm$ 0.129 χ^2 /NDF: 15312.5/86

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.440 $\pm$ 0.357 χ^2 /NDF: 390.7/17

Left Out: 9.750 $\pm$ 0.168 χ^2 /NDF:1449.2/24

Right Out: 3.588 $\pm$ 0.375 χ^2 /NDF: 423.4/20

Left In: 9.775 $\pm$ 0.171 χ^2 /NDF:1165.6/22

Left: 9.762 $\pm$ 0.120 χ^2 /NDF: 2614.7/47

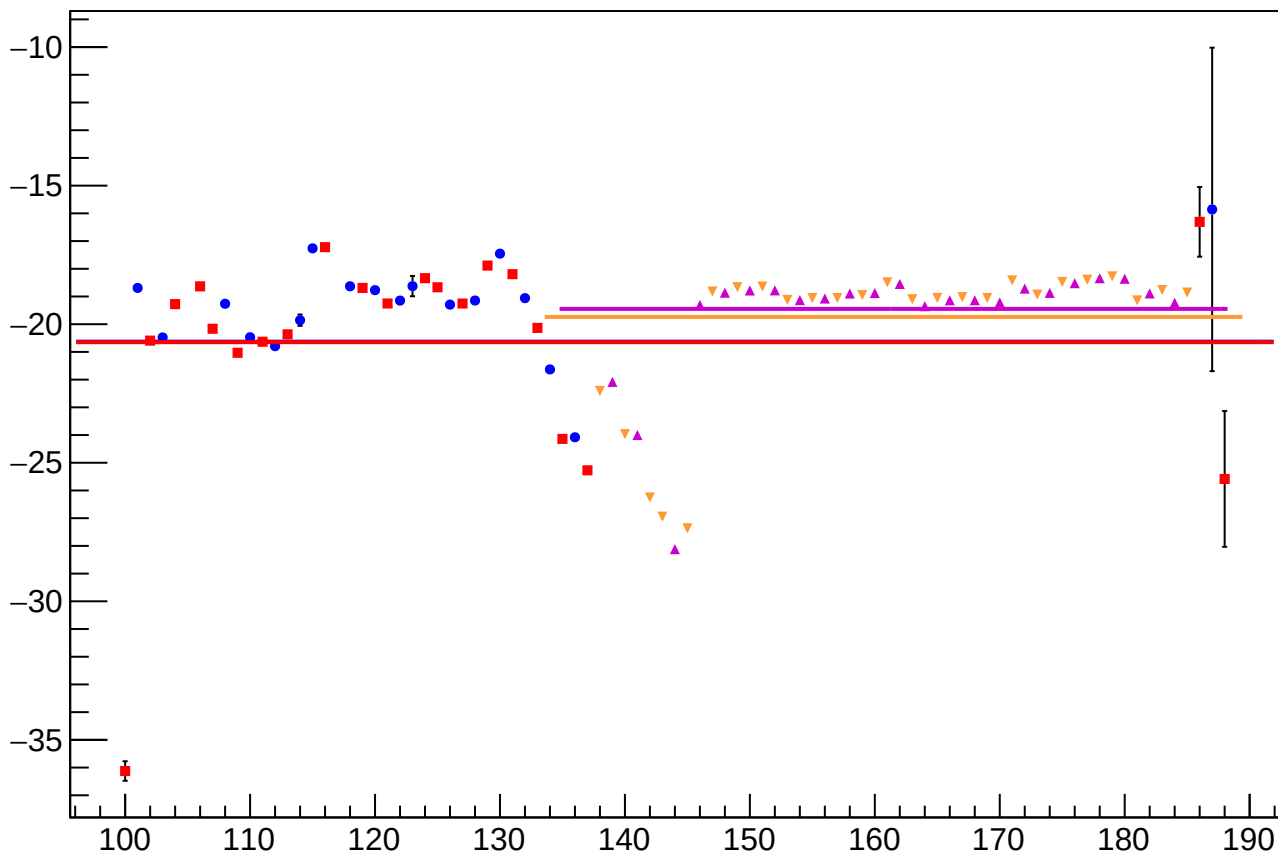
Right: 4.559 $\pm$ 0.259 χ^2 /NDF: 826.9/38

In: 8.965 $\pm$ 0.154 χ^2 /NDF:1676.0/40

Out: 8.719 $\pm$ 0.153 χ^2 /NDF:2097.2/45

All: 8.841 $\pm$ 0.109 χ^2 /NDF: 3774.5/86

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.630 $\pm$ 0.019 χ^2 /NDF: 12491.2/17

Left Out: -19.738 $\pm$ 0.008 χ^2 /NDF: 88495.2/24

Right Out: -20.649 $\pm$ 0.019 χ^2 /NDF: 13901.7/20

Left In: -19.448 $\pm$ 0.008 χ^2 /NDF: 54039.2/22

Left: -19.593 $\pm$ 0.006 χ^2 /NDF: 143208.7/47

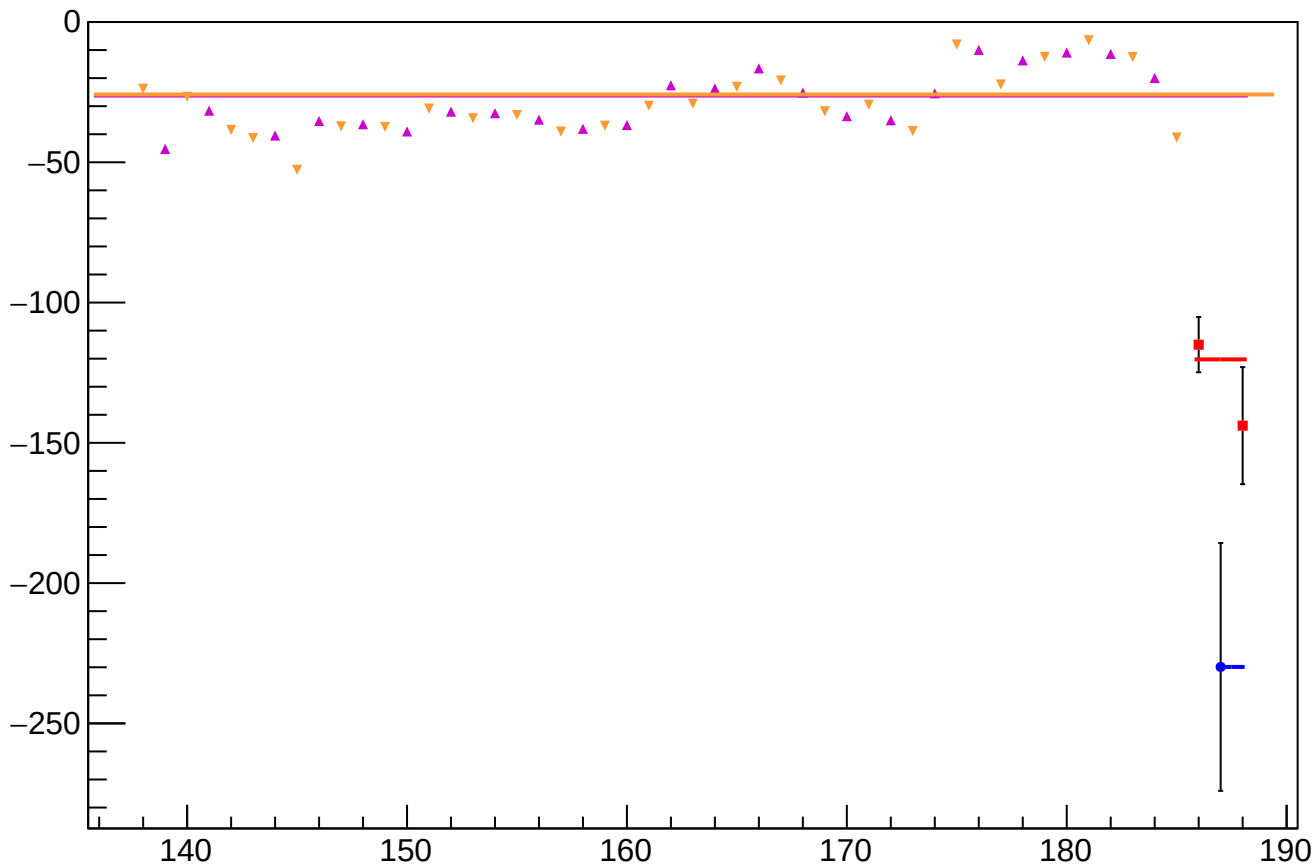
Right: -20.640 $\pm$ 0.014 χ^2 /NDF: 26393.3/38

In: -19.619 $\pm$ 0.007 χ^2 /NDF: 69750.0/40

Out: -19.868 $\pm$ 0.007 χ^2 /NDF: 104281.9/45

All: -19.743 $\pm$ 0.005 χ^2 /NDF: 174609.9/86

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -229.874 ± 44.169 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -25.814 ± 0.192 $\chi^2/\text{NDF}: 4094.6/24$

Right Out: -120.250 ± 8.893 $\chi^2/\text{NDF}: 1.6/1$

Left In: -26.200 ± 0.194 $\chi^2/\text{NDF}: 3344.6/22$

Left: -26.005 ± 0.137 $\chi^2/\text{NDF}: 7441.2/47$

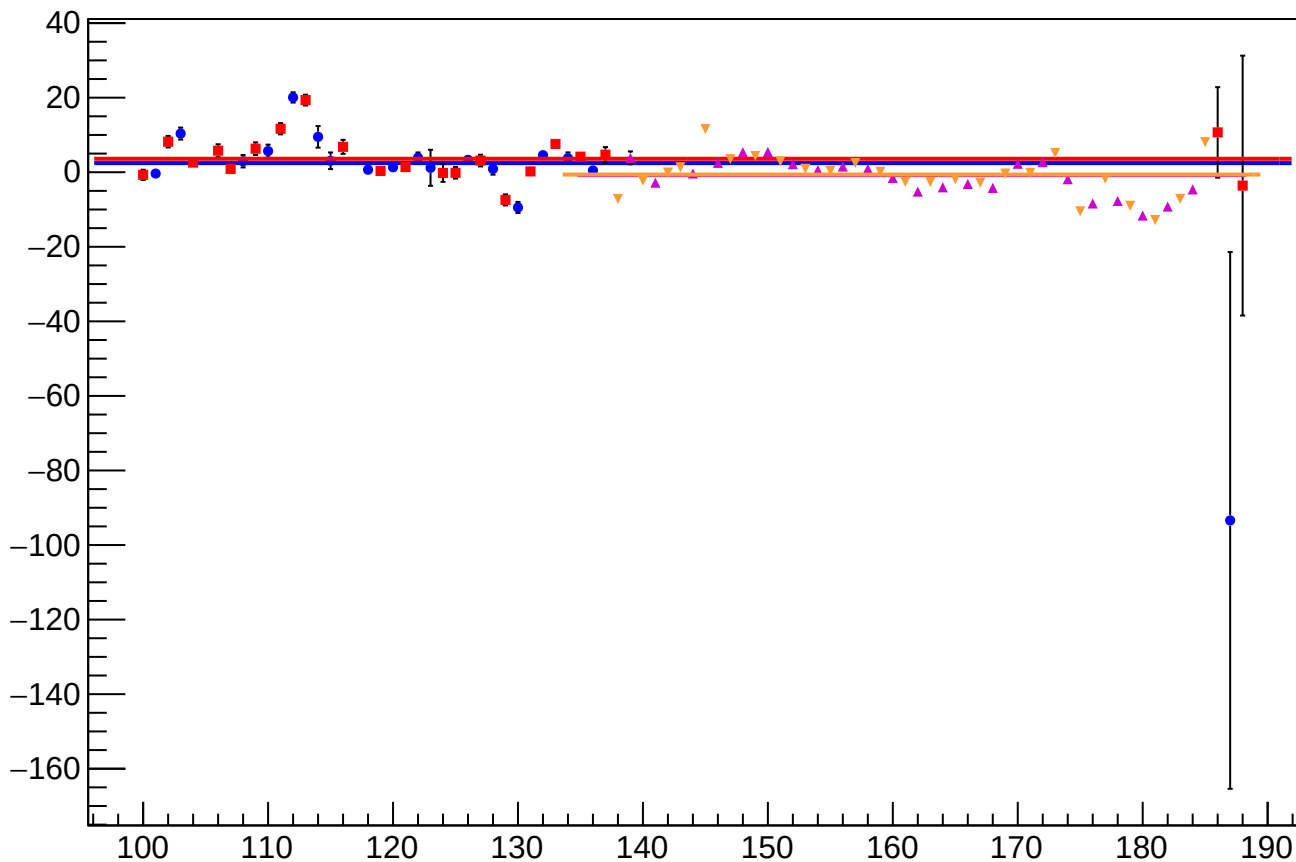
Right: -124.521 ± 8.718 $\chi^2/\text{NDF}: 7.5/2$

In: -26.204 ± 0.194 $\chi^2/\text{NDF}: 3365.9/23$

Out: -25.858 ± 0.192 $\chi^2/\text{NDF}: 4208.8/26$

All: -26.029 ± 0.137 $\chi^2/\text{NDF}: 7576.4/50$

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.446 ± 0.311 χ^2/NDF : 295.2/17

Left Out: -0.625 ± 0.147 χ^2/NDF : 1303.5/24

Right Out: 3.615 ± 0.318 χ^2/NDF : 279.8/20

Left In: -0.773 ± 0.150 χ^2/NDF : 1111.4/22

Left: -0.697 ± 0.105 χ^2/NDF : 2415.4/47

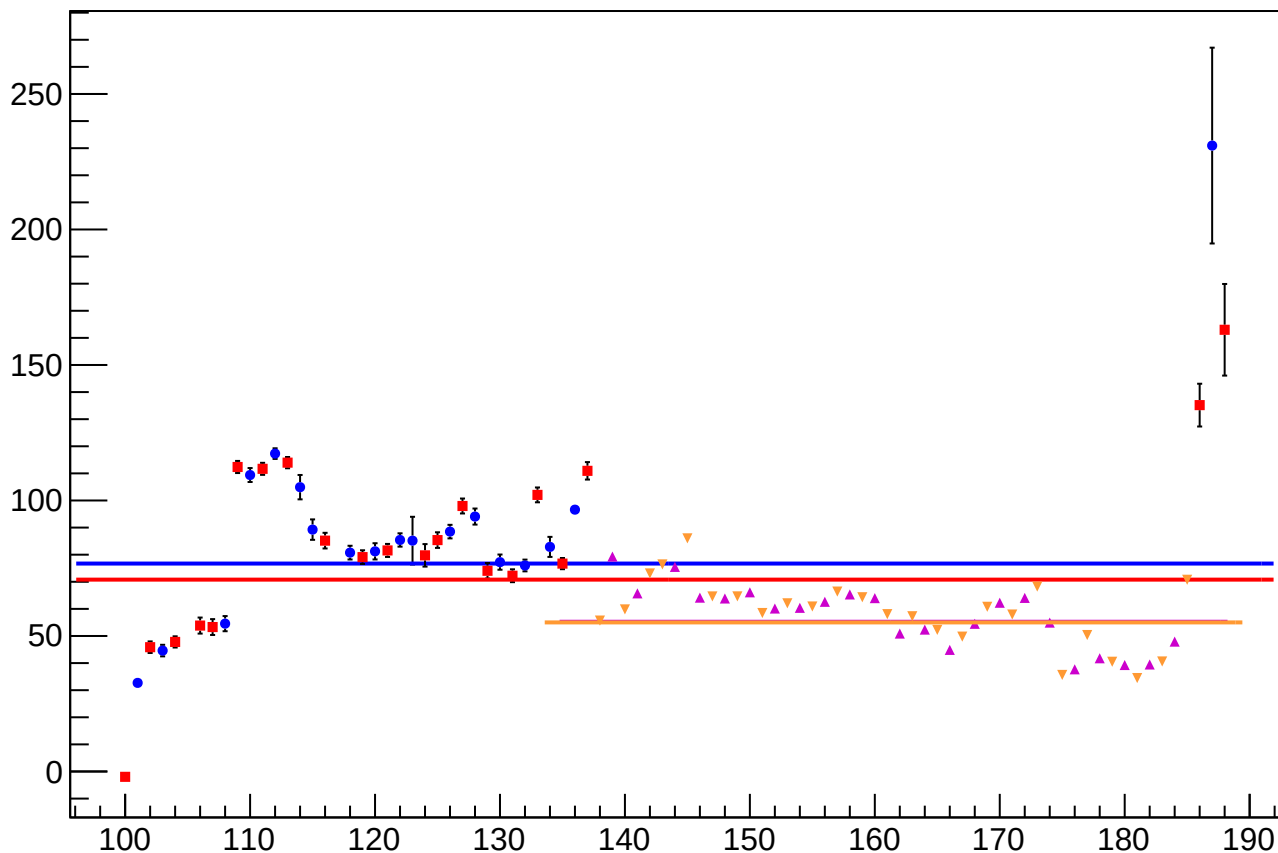
Right: 3.018 ± 0.222 χ^2/NDF : 581.8/38

In: -0.165 ± 0.135 χ^2/NDF : 1493.3/40

Out: 0.119 ± 0.133 χ^2/NDF : 1729.8/45

All: -0.021 ± 0.095 χ^2/NDF : 3225.4/86

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.726 $\pm$ 0.574 χ^2/NDF : 2283.3/17

Left Out: 55.008 $\pm$ 0.192 χ^2/NDF :4502.1/24

Right Out: 70.796 $\pm$ 0.548 χ^2/NDF : 4488.0/20

Left In: 55.252 $\pm$ 0.193 χ^2/NDF :3786.2/22

Left: 55.129 $\pm$ 0.136 χ^2/NDF : 8289.0/47

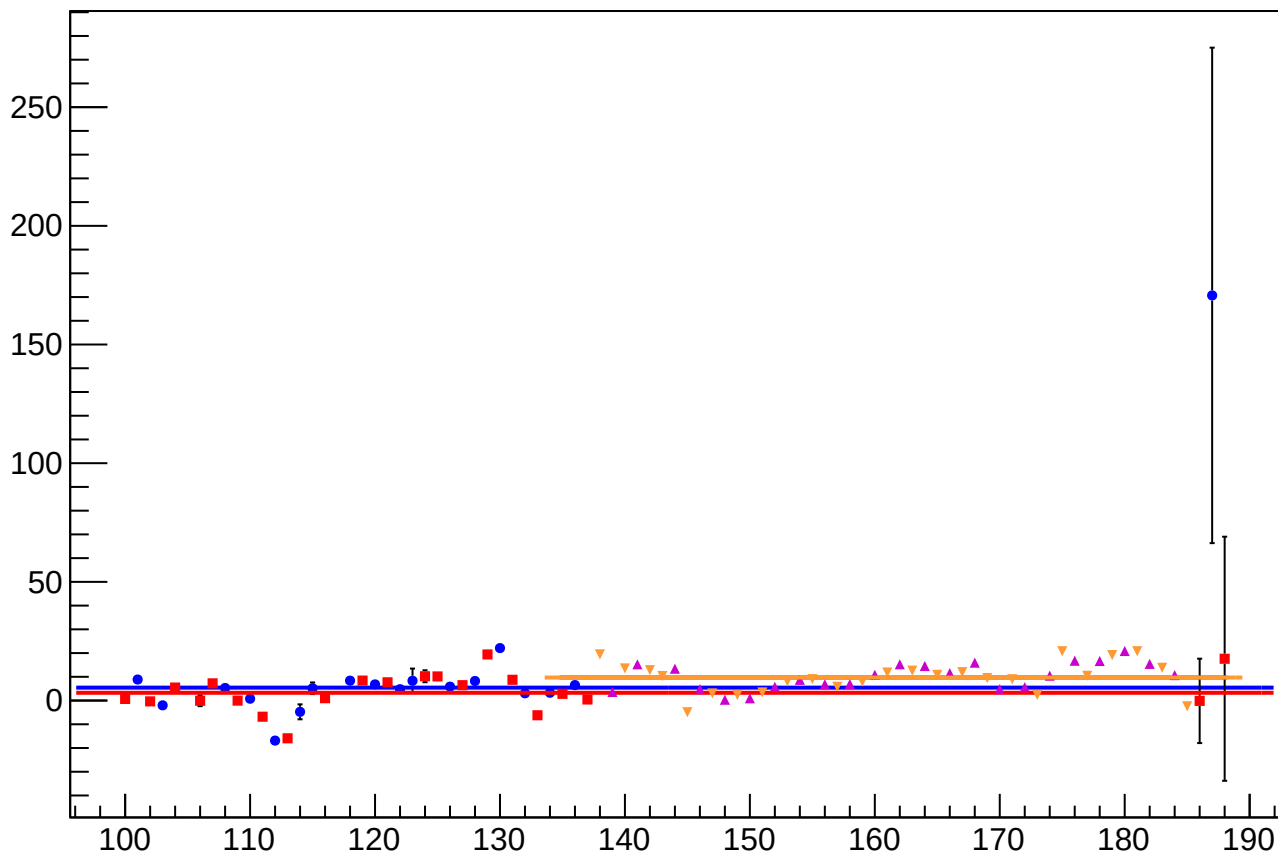
Right: 73.626 $\pm$ 0.396 χ^2/NDF : 6827.2/38

In: 57.434 $\pm$ 0.183 χ^2/NDF :7328.8/40

Out: 56.733 $\pm$ 0.181 χ^2/NDF :9729.1/45

All: 57.080 $\pm$ 0.129 χ^2/NDF : 17065.3/86

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.441 $\pm$ 0.357 χ^2 /NDF: 388.4/17

Left Out: 9.691 $\pm$ 0.168 χ^2 /NDF:1440.3/24

Right Out: 3.274 $\pm$ 0.365 χ^2 /NDF: 425.9/20

Left In: 9.708 $\pm$ 0.171 χ^2 /NDF:1198.0/22

Left: 9.699 $\pm$ 0.120 χ^2 /NDF: 2638.3/47

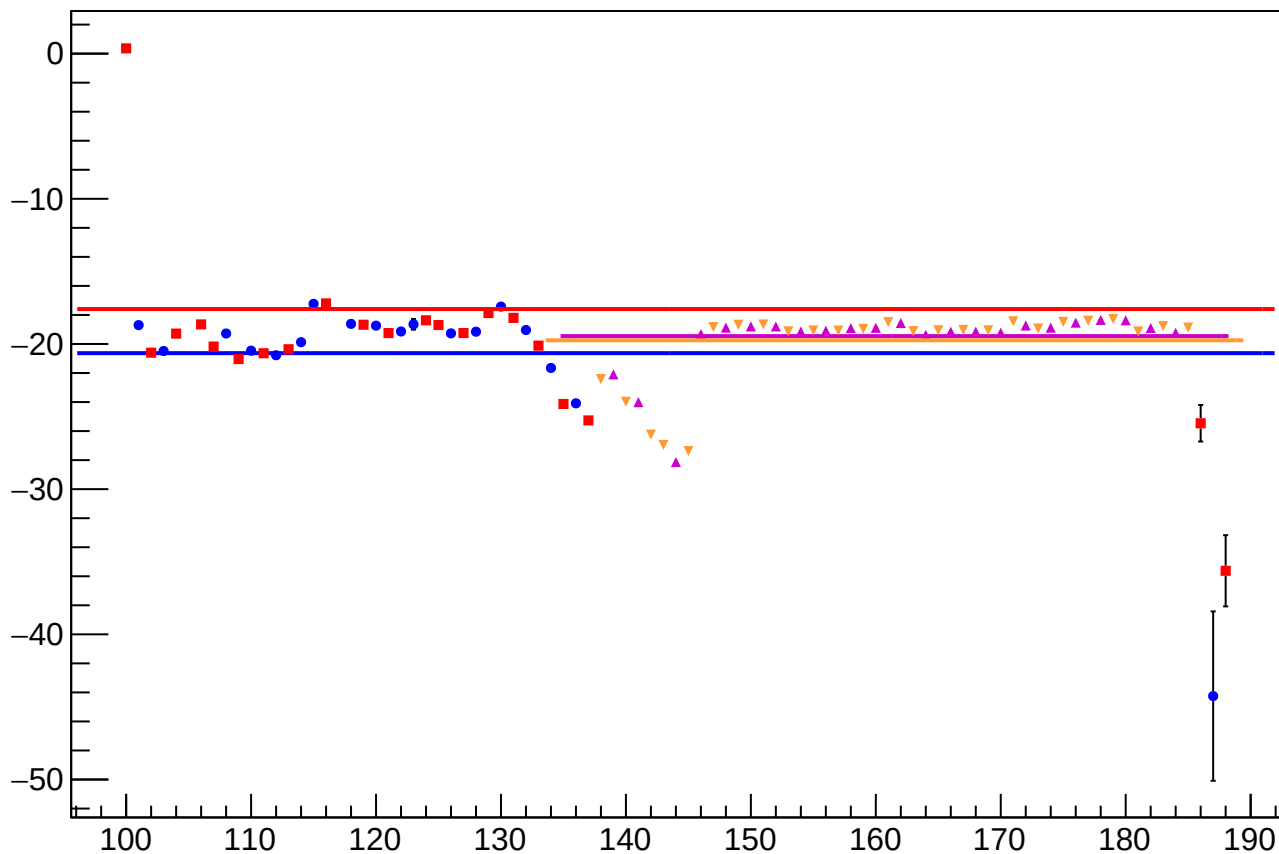
Right: 4.381 $\pm$ 0.255 χ^2 /NDF: 832.3/38

In: 8.911 $\pm$ 0.155 χ^2 /NDF:1702.3/40

Out: 8.568 $\pm$ 0.153 χ^2 /NDF:2120.7/45

All: 8.737 $\pm$ 0.109 χ^2 /NDF: 3825.5/86

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected

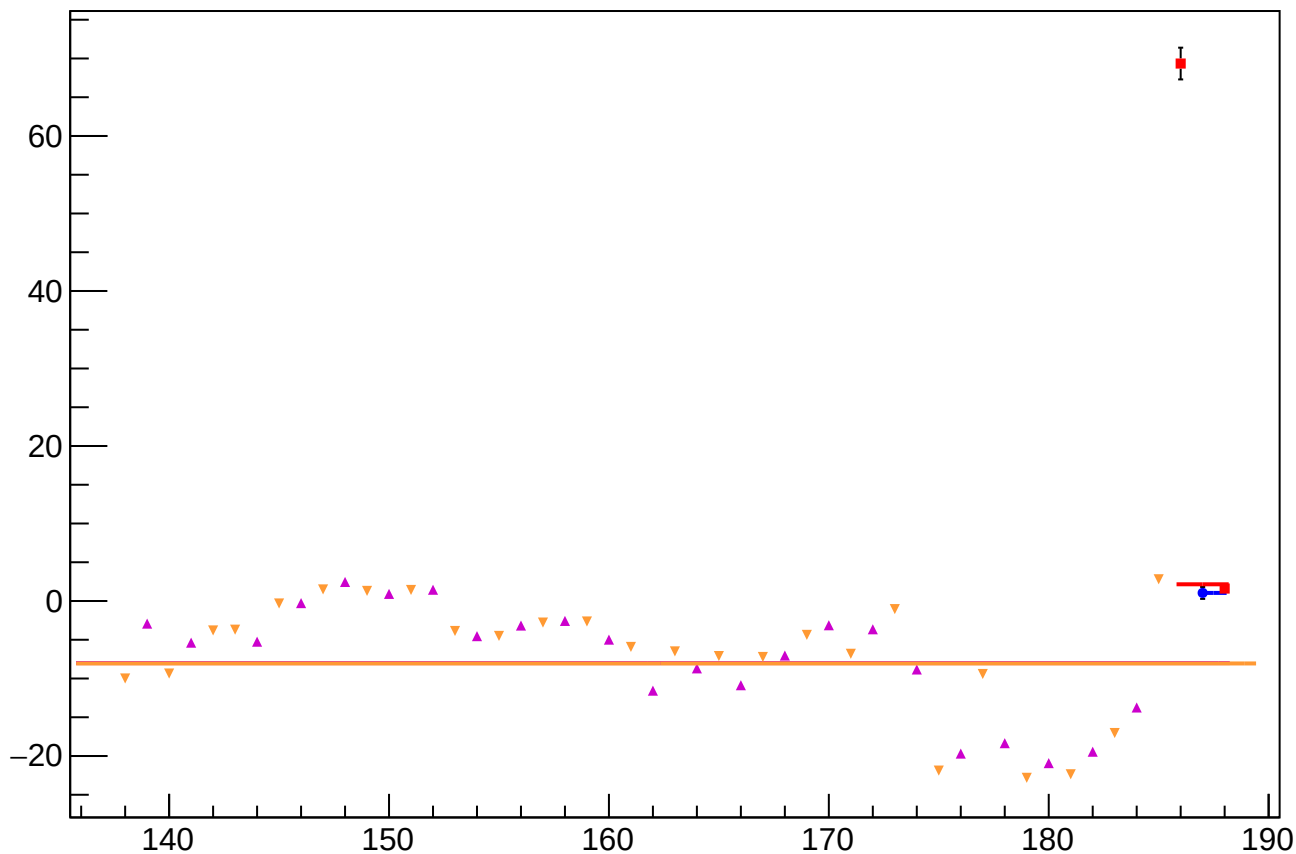


Right In: -20.632 ± 0.019 $\chi^2/\text{NDF}: 12547.2/17$
 Left Out: -19.746 ± 0.008 $\chi^2/\text{NDF}: 88374.4/24$
 Right Out: -17.593 ± 0.018 $\chi^2/\text{NDF}: 178774.0/20$
 Left In: -19.457 ± 0.008 $\chi^2/\text{NDF}: 53995.4/22$

Left: -19.602 ± 0.006 $\chi^2/\text{NDF}: 143036.3/47$
 Right: -19.009 ± 0.013 $\chi^2/\text{NDF}: 204577.4/38$
 In: -19.627 ± 0.007 $\chi^2/\text{NDF}: 69715.2/40$
 Out: -19.398 ± 0.007 $\chi^2/\text{NDF}: 279127.9/45$

All: -19.511 ± 0.005 $\chi^2/\text{NDF}: 349334.4/86$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.044+/-0.771 χ^2/NDF : 0.0/0

Left Out: -8.058+/-0.070 χ^2/NDF :12532.2/24

Right Out: 2.157+/-0.185 χ^2/NDF : 1085.0/1

Left In: -8.010+/-0.071 χ^2/NDF :10631.2/22

Left: -8.034+/-0.050 χ^2/NDF : 23163.6/47

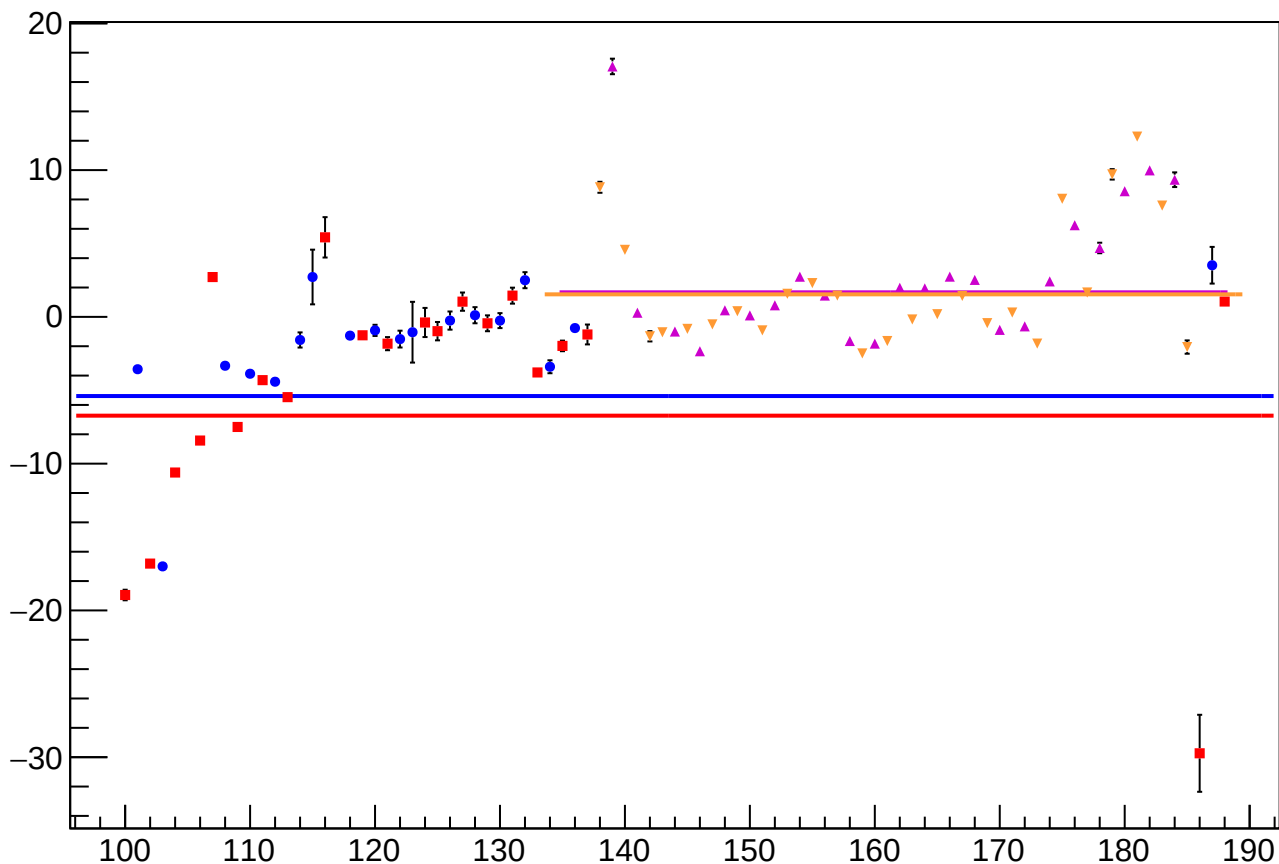
Right: 2.096+/-0.180 χ^2/NDF : 1087.0/2

In: -7.933+/-0.071 χ^2/NDF :10767.9/23

Out: -6.760+/-0.066 χ^2/NDF :16289.4/26

All: -7.301+/-0.048 χ^2/NDF : 27203.9/50

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.394+/-0.055 χ^2/NDF : 9312.1/17

Left Out: 1.535+/-0.055 χ^2/NDF :4816.7/24

Right Out: -6.731+/-0.058 χ^2/NDF : 13198.5/20

Left In: 1.673+/-0.056 χ^2/NDF :4106.3/22

Left: 1.602+/-0.039 χ^2/NDF : 8926.1/47

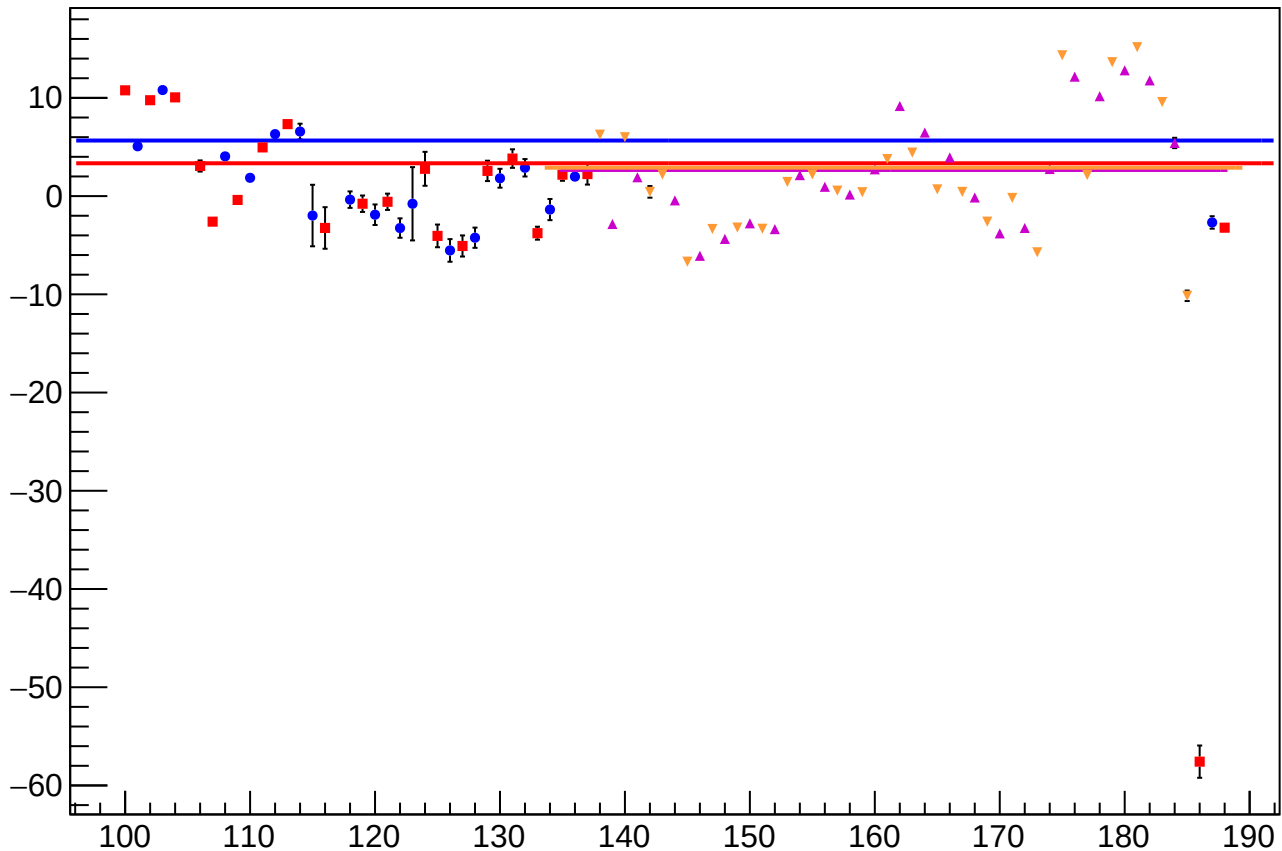
Right: -6.026+/-0.040 χ^2/NDF : 22793.1/38

In: -1.970+/-0.039 χ^2/NDF :21509.7/40

Out: -2.357+/-0.040 χ^2/NDF :28846.9/45

All: -2.162+/-0.028 χ^2/NDF : 50404.7/86

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.657 $\pm$ 0.089 χ^2 /NDF: 1628.9/17

Left Out: 2.891 $\pm$ 0.070 χ^2 /NDF: 8889.4/24

Right Out: 3.342 $\pm$ 0.079 χ^2 /NDF: 6784.7/20

Left In: 2.663 $\pm$ 0.071 χ^2 /NDF: 7308.8/22

Left: 2.778 $\pm$ 0.050 χ^2 /NDF: 16203.4/47

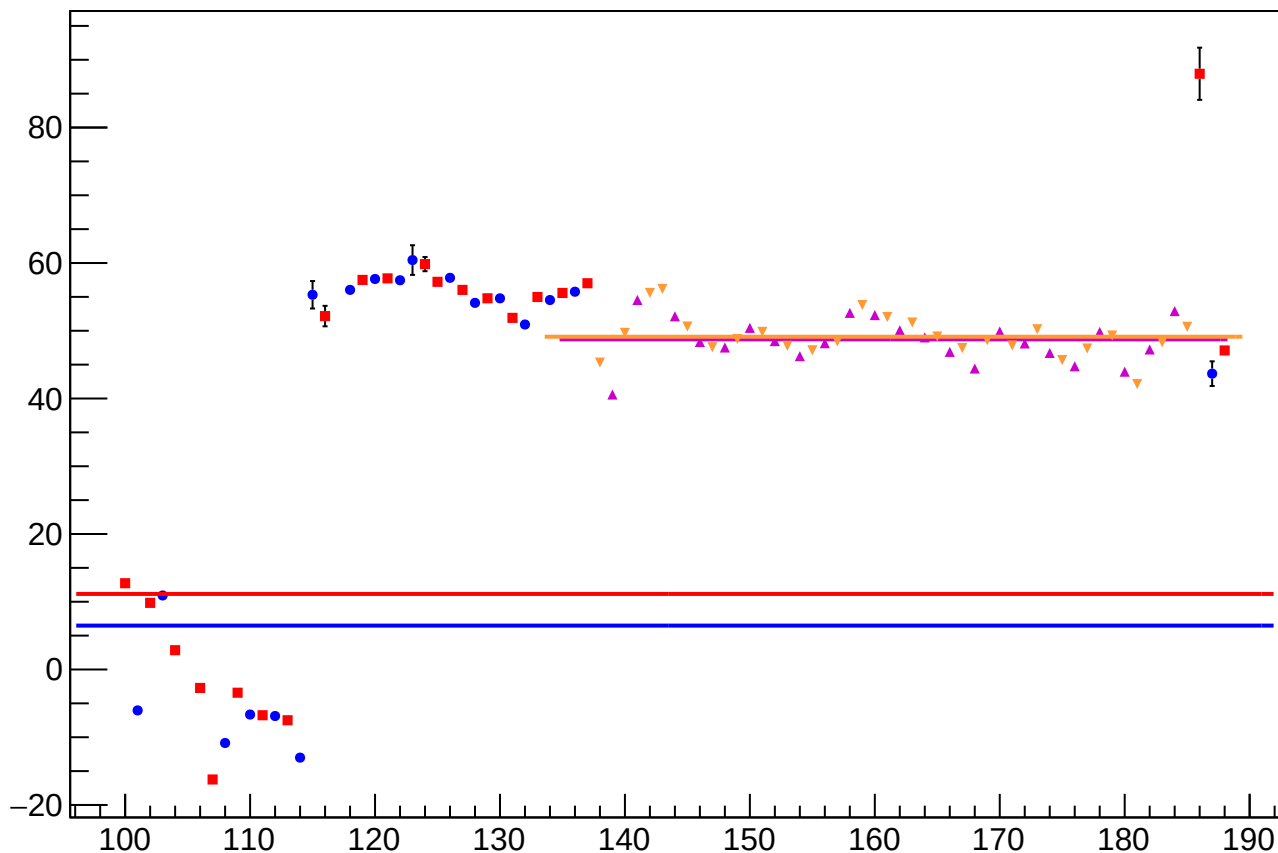
Right: 4.370 $\pm$ 0.059 χ^2 /NDF: 8792.6/38

In: 3.833 $\pm$ 0.055 χ^2 /NDF: 9631.9/40

Out: 3.090 $\pm$ 0.053 χ^2 /NDF: 15692.2/45

All: 3.442 $\pm$ 0.038 χ^2 /NDF: 25418.6/86

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.479+/-0.065 χ^2/NDF : 123904.5/17

Left Out: 49.121+/-0.062 χ^2/NDF : 2165.4/24

Right Out: 11.153+/-0.069 χ^2/NDF : 130345.9/20

Left In: 48.731+/-0.064 χ^2/NDF : 2117.7/22

Left: 48.931+/-0.044 χ^2/NDF : 4302.5/47

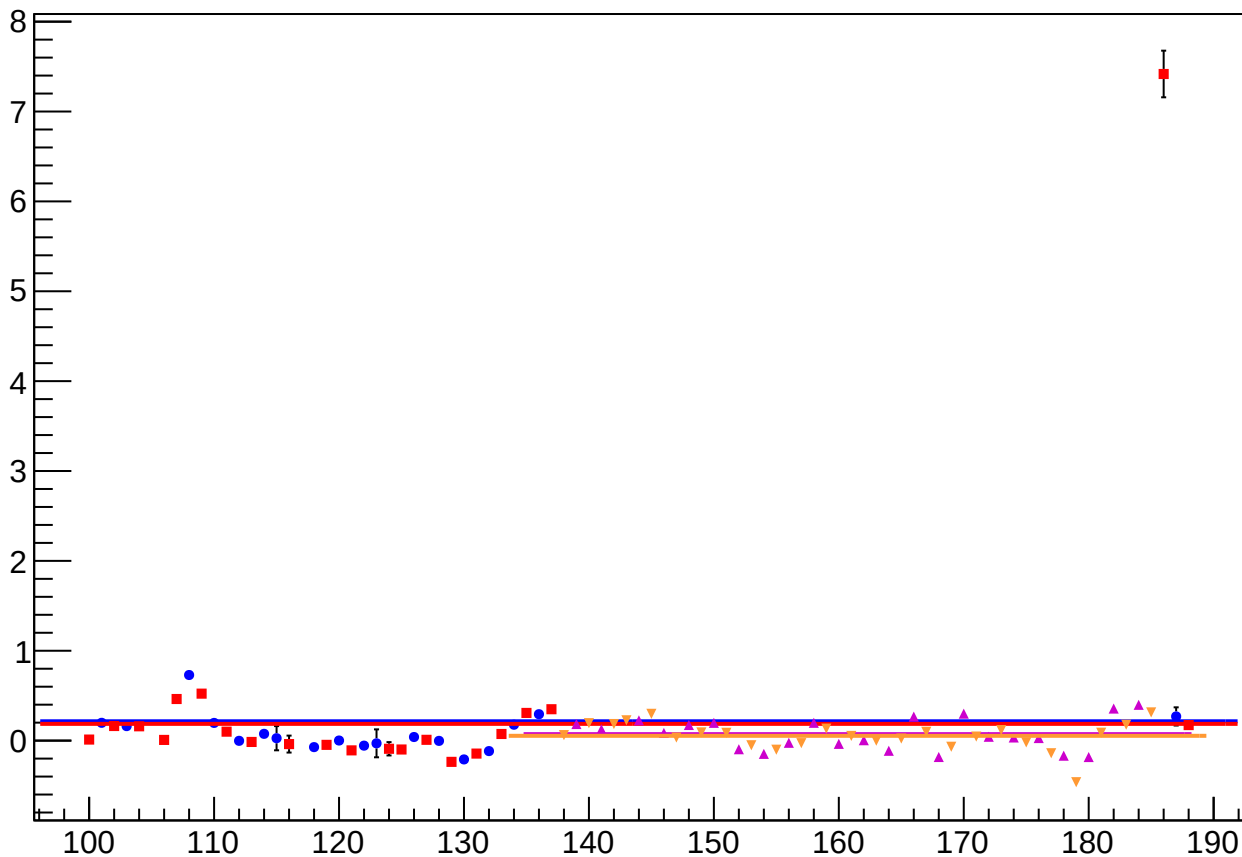
Right: 8.674+/-0.047 χ^2/NDF : 256704.1/38

In: 27.968+/-0.045 χ^2/NDF : 343195.7/40

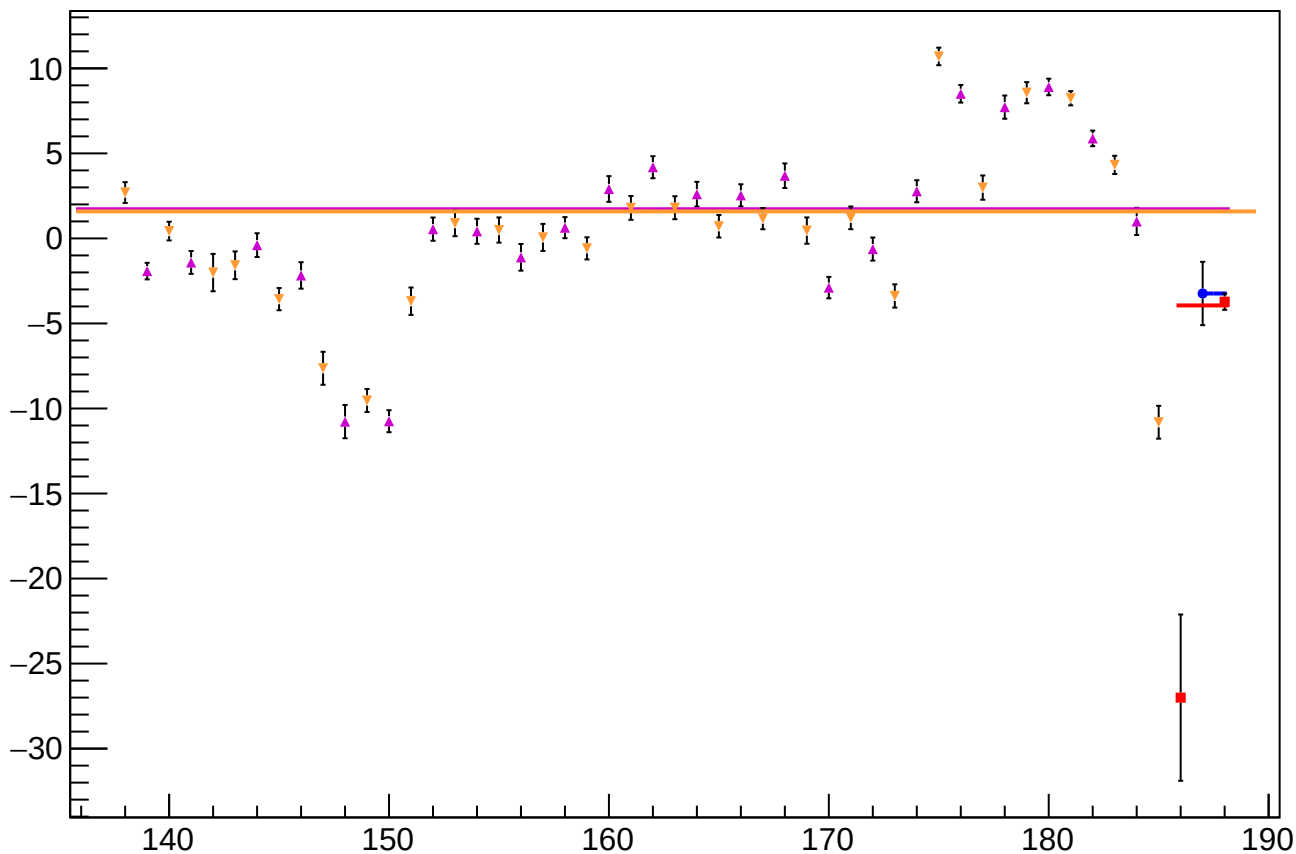
Out: 32.119+/-0.046 χ^2/NDF : 301090.3/45

All: 30.013+/-0.032 χ^2/NDF : 648418.8/86

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



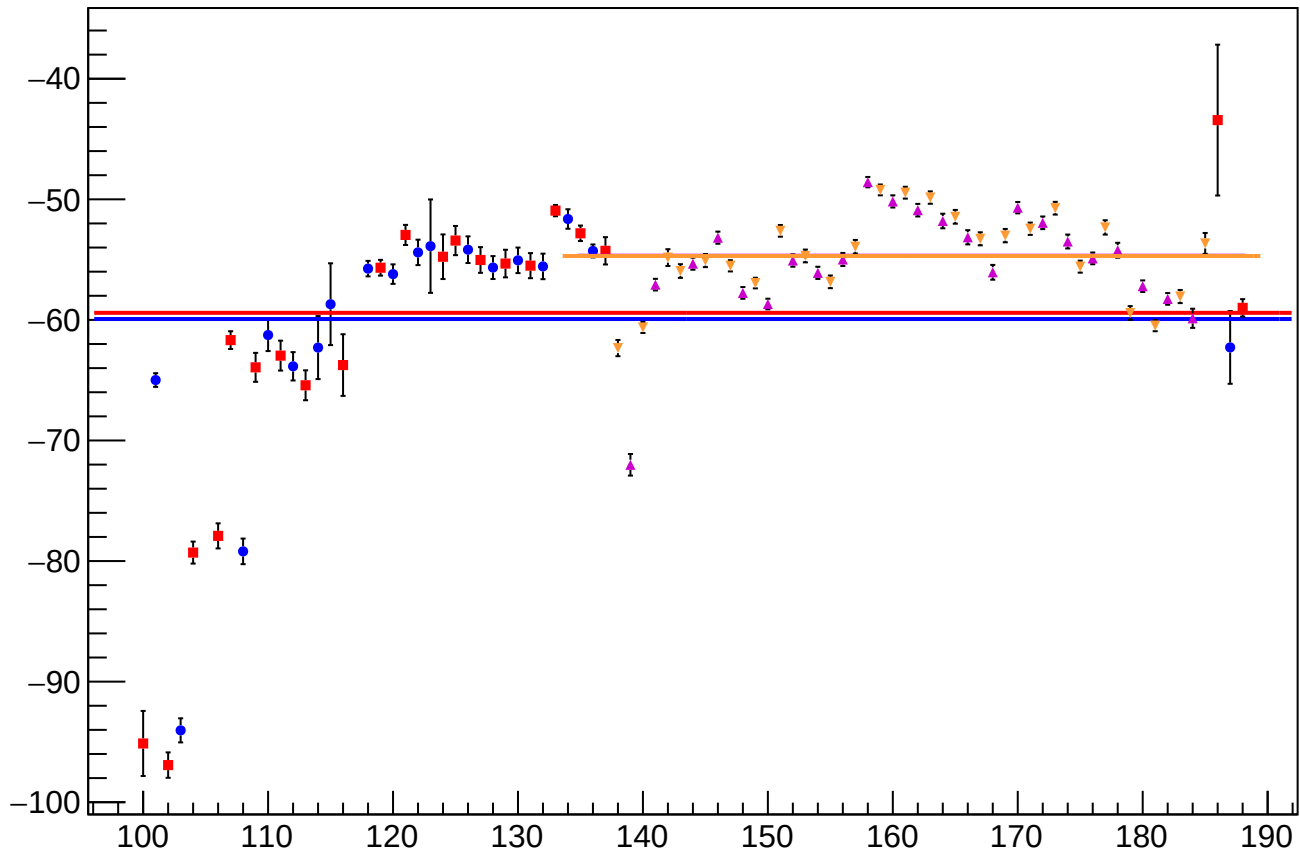
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.238 $\pm$ 1.863 χ^2 /NDF: 0.0/0
 Left Out: 1.590 $\pm$ 0.133 χ^2 /NDF:1457.4/24
 Right Out: -3.940 $\pm$ 0.475 χ^2 /NDF: 22.5/1
 Left In: 1.715 $\pm$ 0.134 χ^2 /NDF:1313.5/22

Left: 1.652 $\pm$ 0.094 χ^2 /NDF: 2771.4/47
 Right: -3.897 $\pm$ 0.460 χ^2 /NDF: 22.6/2
 In: 1.690 $\pm$ 0.134 χ^2 /NDF:1320.5/23
 Out: 1.188 $\pm$ 0.128 χ^2 /NDF:1605.6/26
 All: 1.428 $\pm$ 0.093 χ^2 /NDF: 2933.5/50

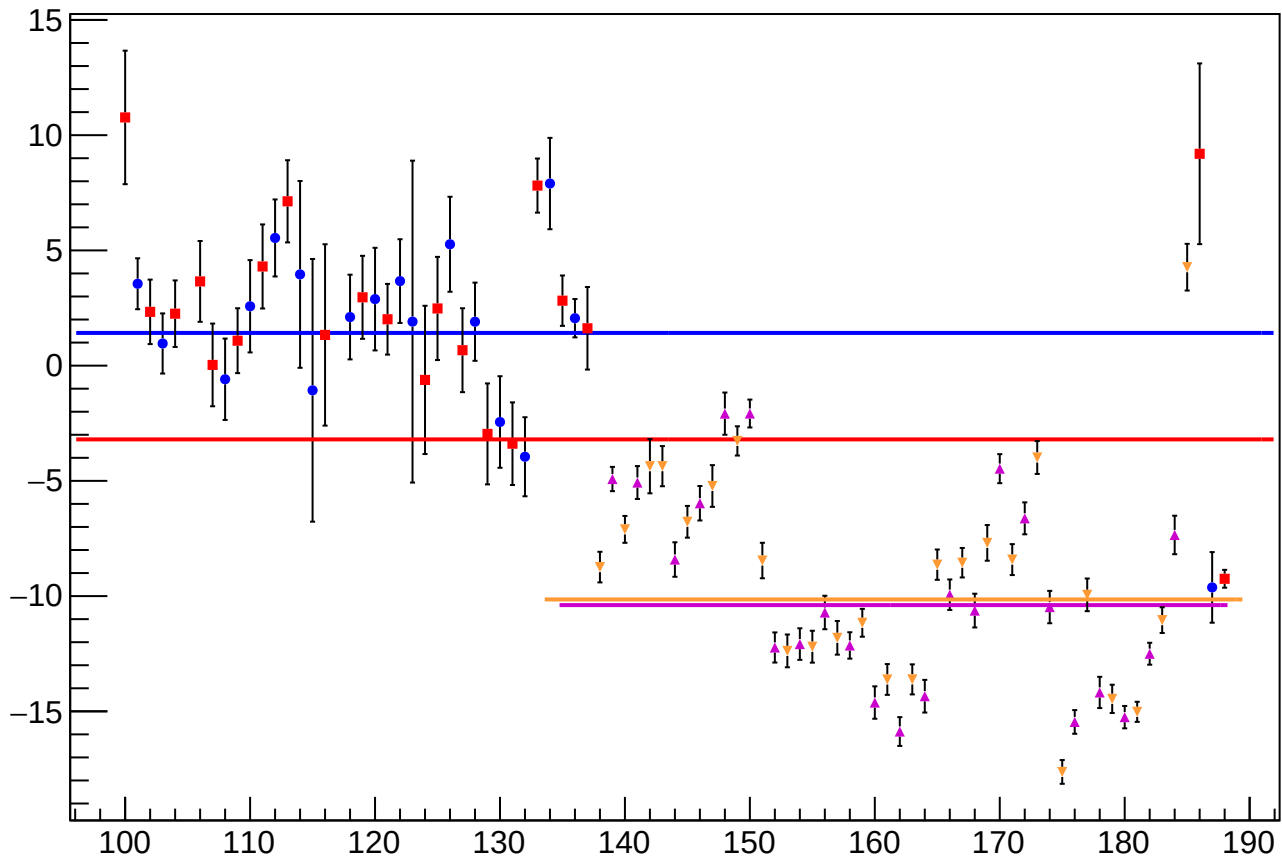
reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.927 $\pm$ 0.222 χ^2 /NDF: 1980.1/17
 Left Out: -54.701 $\pm$ 0.106 χ^2 /NDF:1124.5/24
 Right Out: -59.414 $\pm$ 0.203 χ^2 /NDF: 2919.6/20
 Left In: -54.677 $\pm$ 0.109 χ^2 /NDF:1140.6/22

Left: -54.689 $\pm$ 0.076 χ^2 /NDF: 2265.1/47
 Right: -59.648 $\pm$ 0.150 χ^2 /NDF: 4902.6/38
 In: -55.701 $\pm$ 0.098 χ^2 /NDF:3569.4/40
 Out: -55.707 $\pm$ 0.094 χ^2 /NDF:4466.3/45
 All: -55.704 $\pm$ 0.068 χ^2 /NDF: 8035.7/86

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.420 ± 0.391 $\chi^2/\text{NDF}: 94.7/17$

Left Out: -10.146 ± 0.133 $\chi^2/\text{NDF}: 1051.2/24$

Right Out: -3.200 ± 0.273 $\chi^2/\text{NDF}: 546.9/20$

Left In: -10.391 ± 0.134 $\chi^2/\text{NDF}: 1024.8/22$

Left: -10.268 ± 0.094 $\chi^2/\text{NDF}: 2077.6/47$

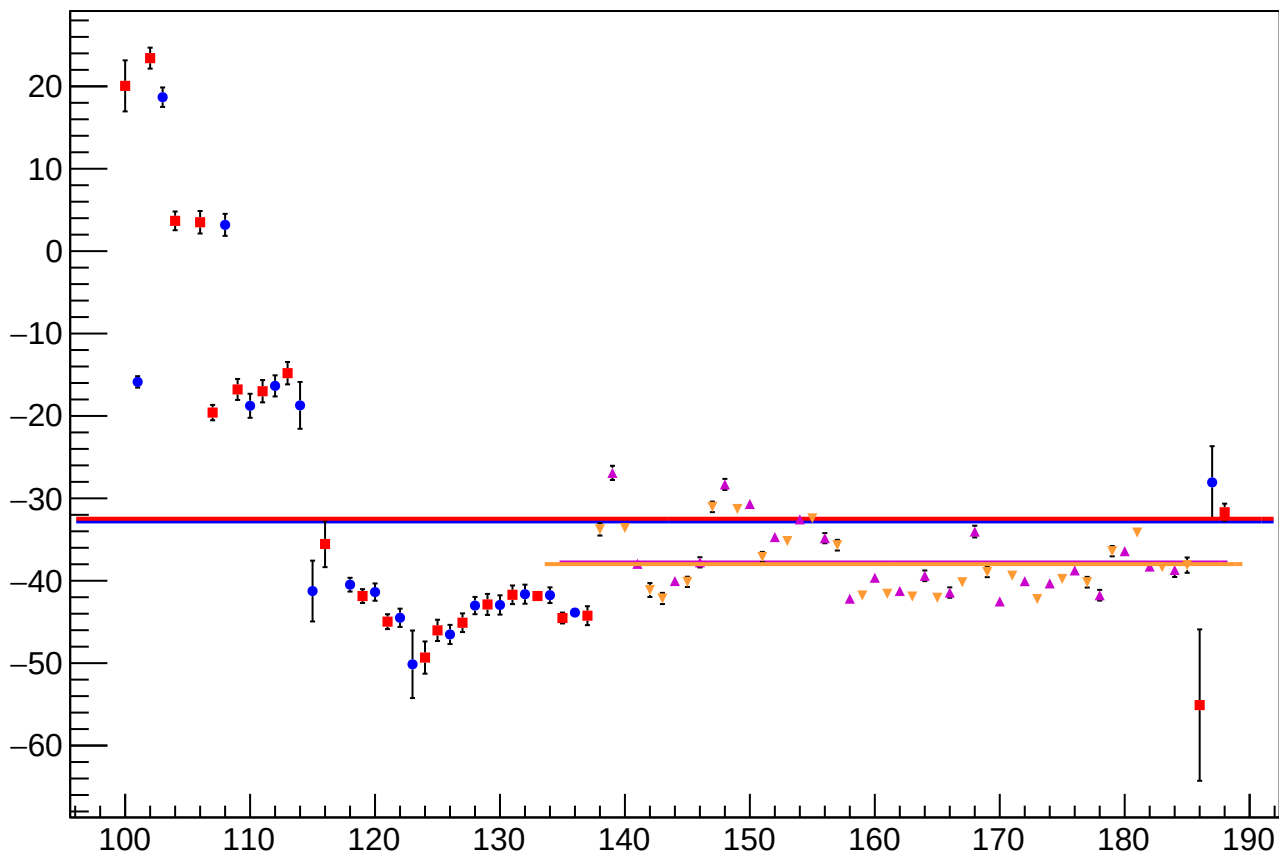
Right: -1.682 ± 0.224 $\chi^2/\text{NDF}: 735.4/38$

In: -9.152 ± 0.127 $\chi^2/\text{NDF}: 1937.2/40$

Out: -8.816 ± 0.120 $\chi^2/\text{NDF}: 2120.0/45$

All: -8.974 ± 0.087 $\chi^2/\text{NDF}: 4061.0/86$

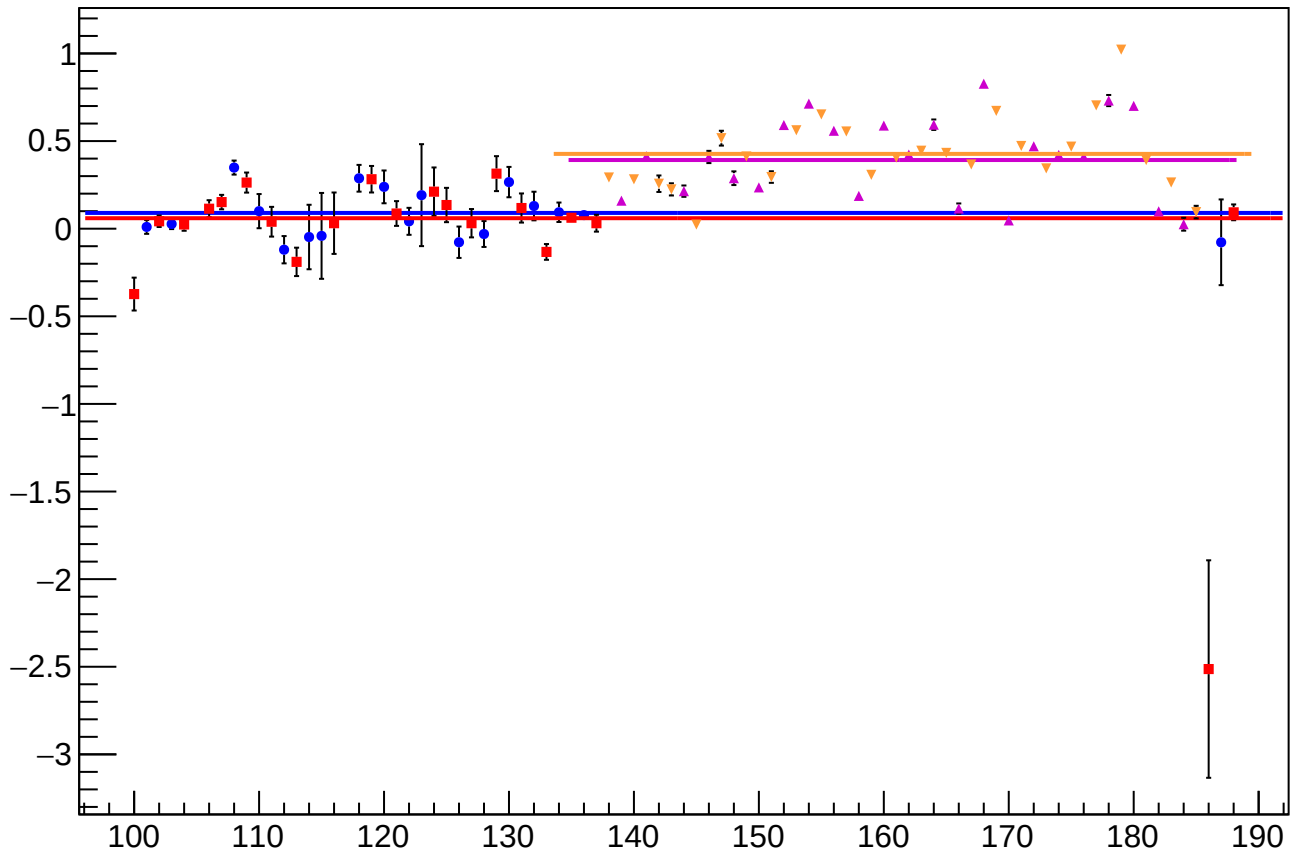
reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.801 ± 0.254 $\chi^2/\text{NDF}: 4667.7/17$
 Left Out: -37.983 ± 0.119 $\chi^2/\text{NDF}: 936.9/24$
 Right Out: -32.474 ± 0.237 $\chi^2/\text{NDF}: 6044.5/20$
 Left In: -37.784 ± 0.122 $\chi^2/\text{NDF}: 1079.7/22$

Left: -37.886 ± 0.085 $\chi^2/\text{NDF}: 2018.0/47$
 Right: -32.626 ± 0.173 $\chi^2/\text{NDF}: 10713.1/38$
 In: -36.848 ± 0.110 $\chi^2/\text{NDF}: 6061.1/40$
 Out: -36.877 ± 0.106 $\chi^2/\text{NDF}: 7411.8/45$
 All: -36.863 ± 0.076 $\chi^2/\text{NDF}: 13472.9/86$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 $\chi^2/\text{NDF}: 79.7/17$

Left Out: 0.427 ± 0.005 $\chi^2/\text{NDF}: 1293.3/24$

Right Out: 0.060 ± 0.012 $\chi^2/\text{NDF}: 105.1/20$

Left In: 0.392 ± 0.005 $\chi^2/\text{NDF}: 1835.6/22$

Left: 0.409 ± 0.004 $\chi^2/\text{NDF}: 3150.1/47$

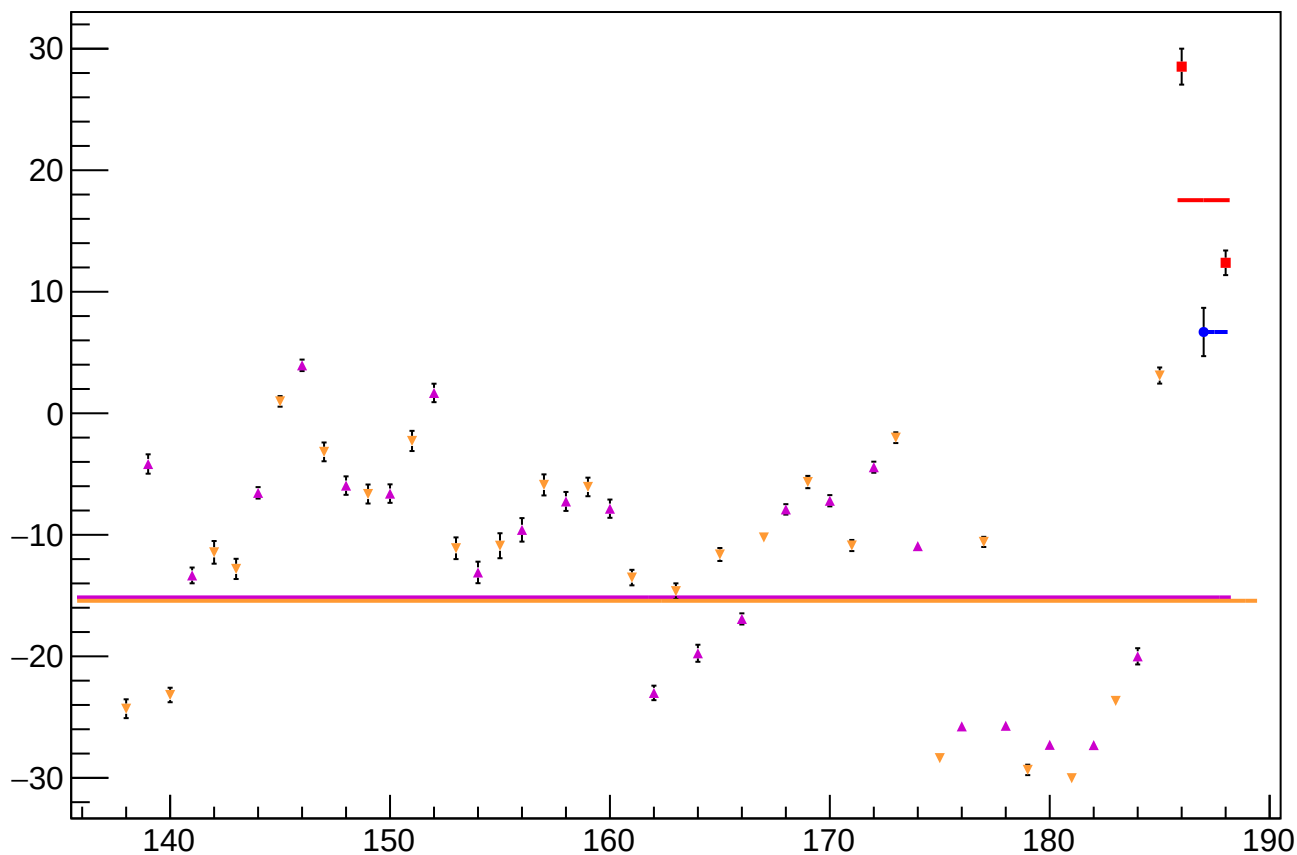
Right: 0.074 ± 0.009 $\chi^2/\text{NDF}: 187.8/38$

In: 0.346 ± 0.005 $\chi^2/\text{NDF}: 2394.4/40$

Out: 0.363 ± 0.005 $\chi^2/\text{NDF}: 2208.0/45$

All: 0.355 ± 0.003 $\chi^2/\text{NDF}: 4608.3/86$

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.689 ± 1.987 χ^2/NDF : 0.0/0

Left Out: -15.427 ± 0.105 χ^2/NDF : 10499.6/24

Right Out: 17.537 ± 0.836 χ^2/NDF : 81.1/1

Left In: -15.151 ± 0.106 χ^2/NDF : 8744.3/22

Left: -15.290 ± 0.075 χ^2/NDF : 19247.4/47

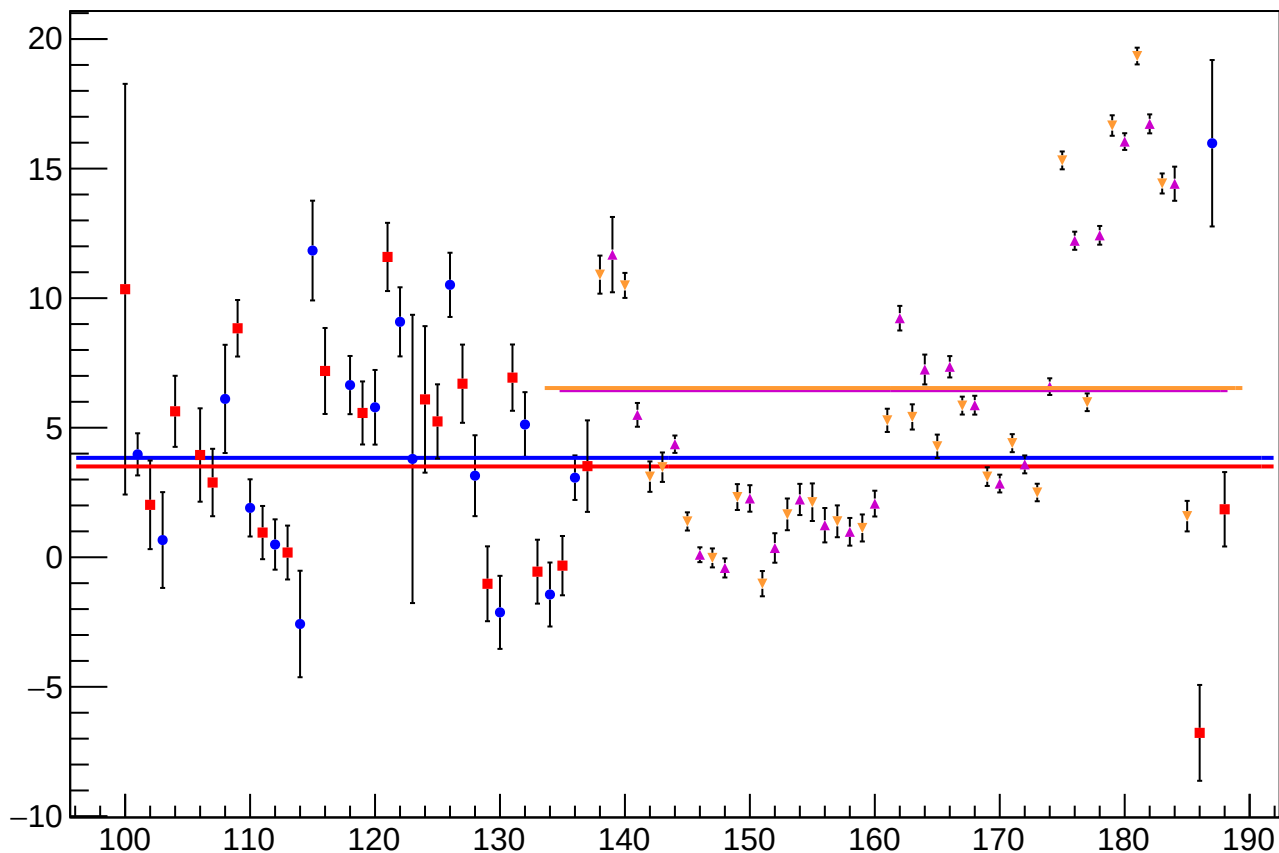
Right: 15.906 ± 0.770 χ^2/NDF : 106.4/2

In: -15.089 ± 0.106 χ^2/NDF : 8864.8/23

Out: -14.912 ± 0.104 χ^2/NDF : 12112.3/26

All: -14.999 ± 0.074 χ^2/NDF : 20978.5/50

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.837 ± 0.307 χ^2/NDF : 151.2/17

Left Out: 6.531 ± 0.086 χ^2/NDF : 4969.5/24

Right Out: 3.504 ± 0.305 χ^2/NDF : 168.0/20

Left In: 6.448 ± 0.086 χ^2/NDF : 3955.6/22

Left: 6.490 ± 0.061 χ^2/NDF : 8925.6/47

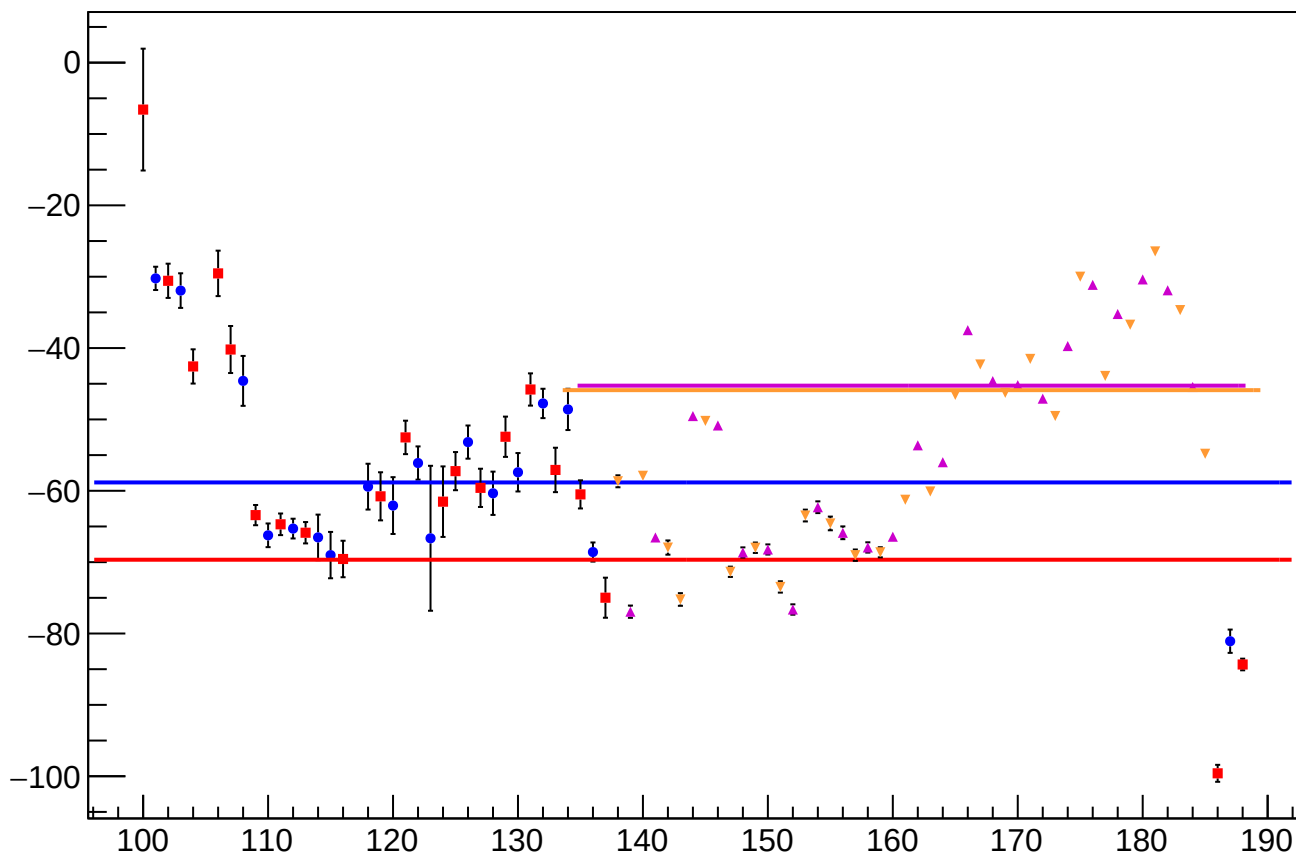
Right: 3.669 ± 0.216 χ^2/NDF : 319.8/38

In: 6.259 ± 0.083 χ^2/NDF : 4173.9/40

Out: 6.310 ± 0.082 χ^2/NDF : 5229.1/45

All: 6.284 ± 0.058 χ^2/NDF : 9403.1/86

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.829 ± 0.514 χ^2/NDF : 793.5/17

Left Out: -45.897 ± 0.106 χ^2/NDF : 17133.8/24

Right Out: -69.660 ± 0.419 χ^2/NDF : 1969.2/20

Left In: -45.268 ± 0.107 χ^2/NDF : 15775.7/22

Left: -45.584 ± 0.075 χ^2/NDF : 32927.0/47

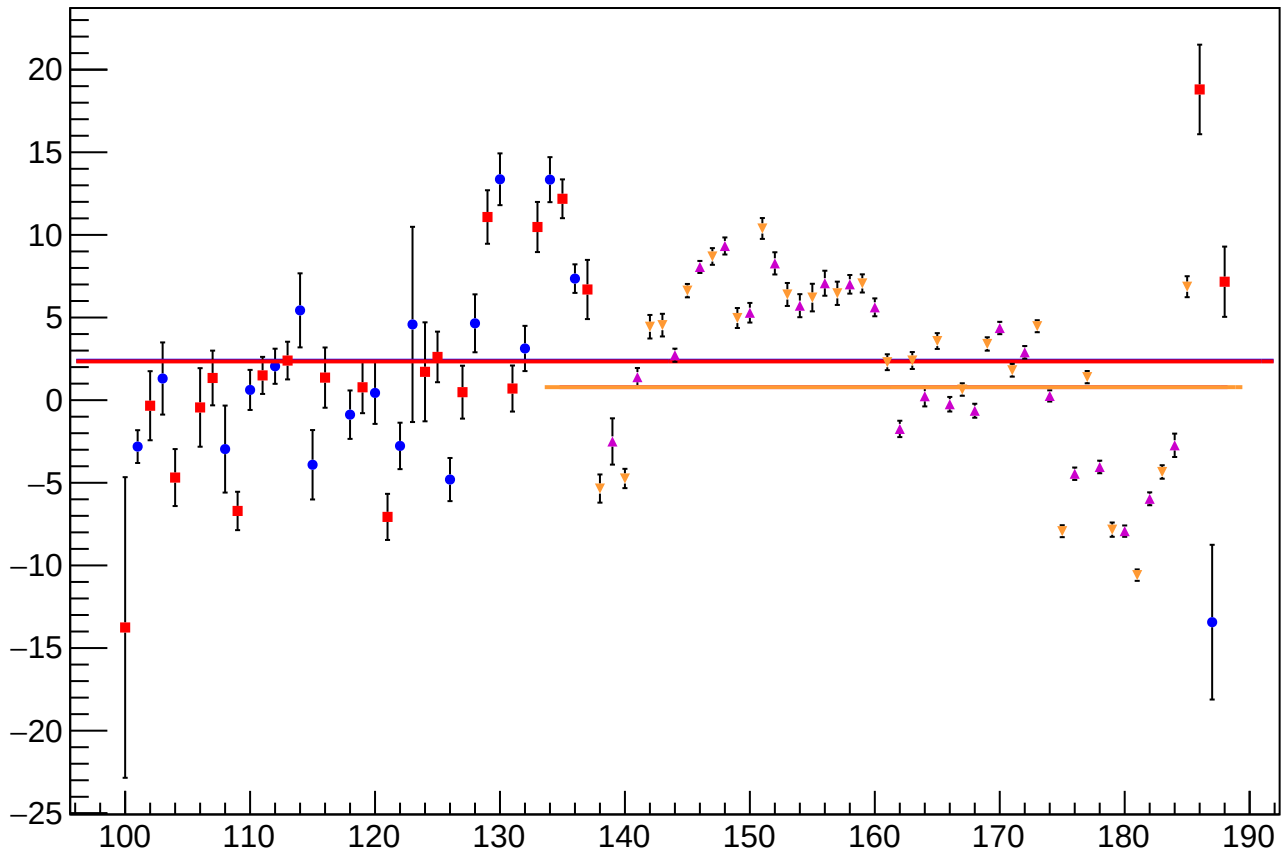
Right: -65.337 ± 0.325 χ^2/NDF : 3029.1/38

In: -45.828 ± 0.105 χ^2/NDF : 17235.7/40

Out: -47.334 ± 0.103 χ^2/NDF : 22121.9/45

All: -46.592 ± 0.073 χ^2/NDF : 39462.8/86

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.386 $\pm$ 0.345 χ^2 /NDF: 255.1/17

Left Out: 0.787 $\pm$ 0.096 χ^2 /NDF:3746.7/24

Right Out: 2.345 $\pm$ 0.347 χ^2 /NDF: 310.1/20

Left In: 0.791 $\pm$ 0.096 χ^2 /NDF:2697.7/22

Left: 0.789 $\pm$ 0.068 χ^2 /NDF: 6444.4/47

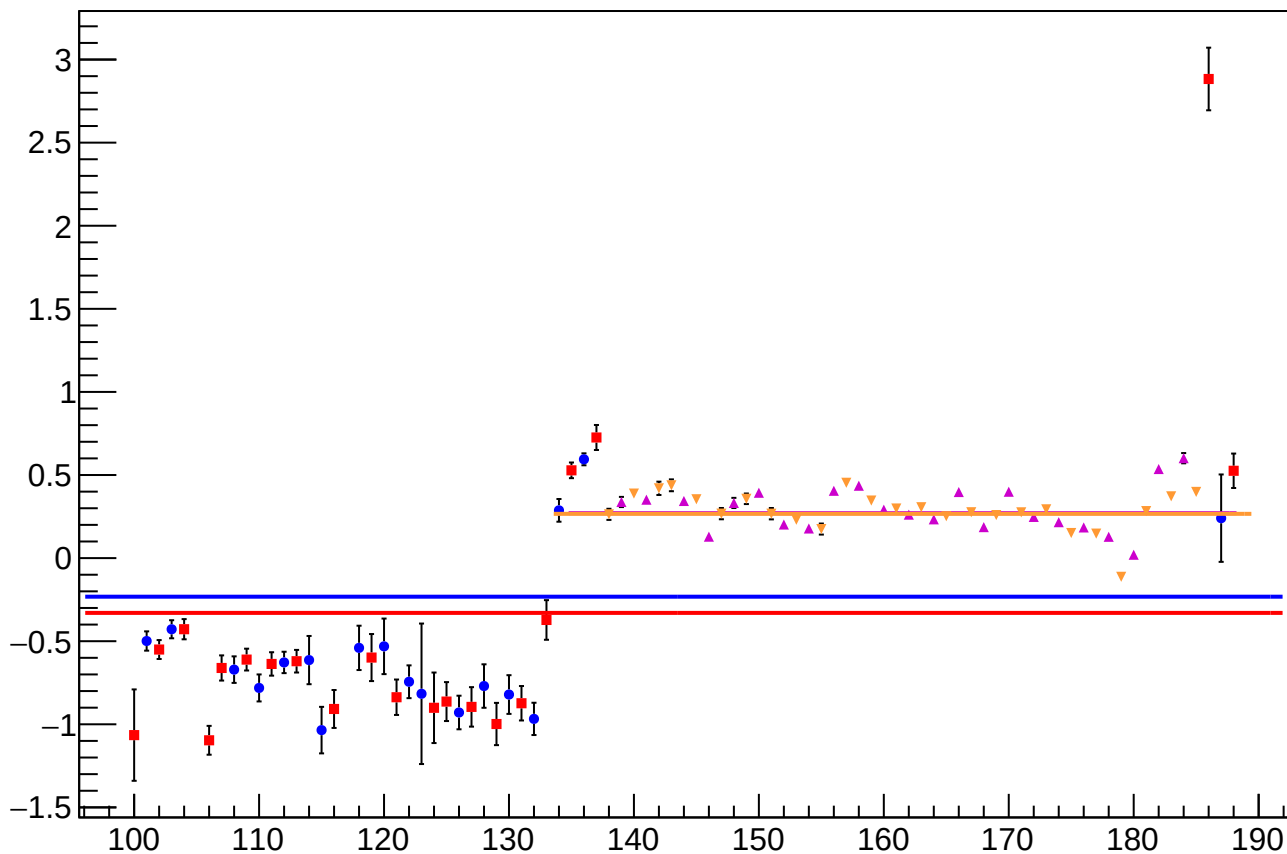
Right: 2.366 $\pm$ 0.245 χ^2 /NDF: 565.1/38

In: 0.906 $\pm$ 0.093 χ^2 /NDF:2972.6/40

Out: 0.896 $\pm$ 0.092 χ^2 /NDF:4075.5/45

All: 0.901 $\pm$ 0.065 χ^2 /NDF: 7048.1/86

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.232 ± 0.019 χ^2/NDF : 961.7/17

Left Out: 0.266 ± 0.004 χ^2/NDF : 698.1/24

Right Out: -0.330 ± 0.019 χ^2/NDF : 1222.5/20

Left In: 0.270 ± 0.004 χ^2/NDF : 973.5/22

Left: 0.268 ± 0.003 χ^2/NDF : 1672.0/47

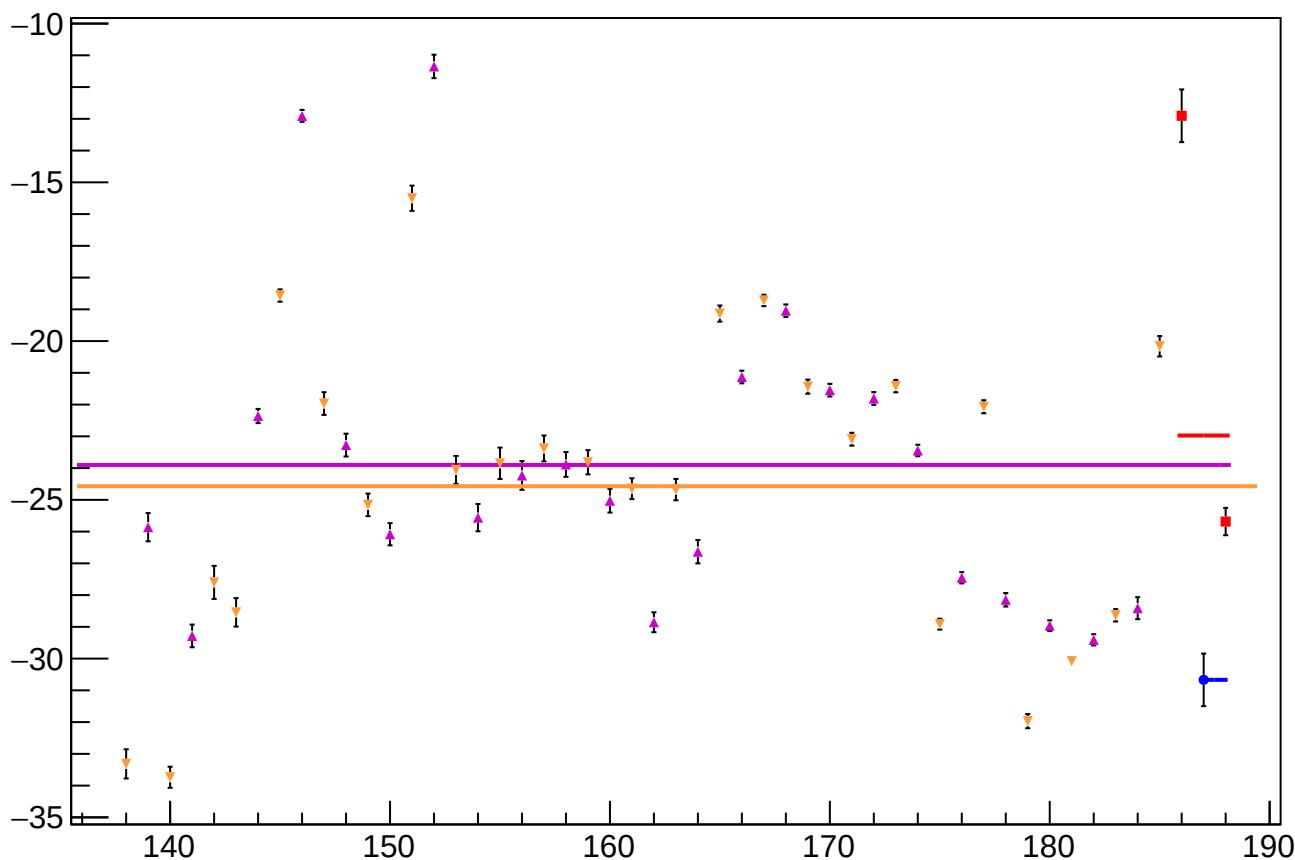
Right: -0.282 ± 0.013 χ^2/NDF : 2197.8/38

In: 0.244 ± 0.004 χ^2/NDF : 2611.0/40

Out: 0.235 ± 0.004 χ^2/NDF : 2898.3/45

All: 0.240 ± 0.003 χ^2/NDF : 5511.6/86

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -30.669 ± 0.828 χ^2/NDF : 0.0/0

Left Out: -24.571 ± 0.051 χ^2/NDF : 8610.0/24

Right Out: -22.974 ± 0.382 χ^2/NDF : 186.6/1

Left In: -23.902 ± 0.051 χ^2/NDF : 9158.9/22

Left: -24.236 ± 0.036 χ^2/NDF : 17855.2/47

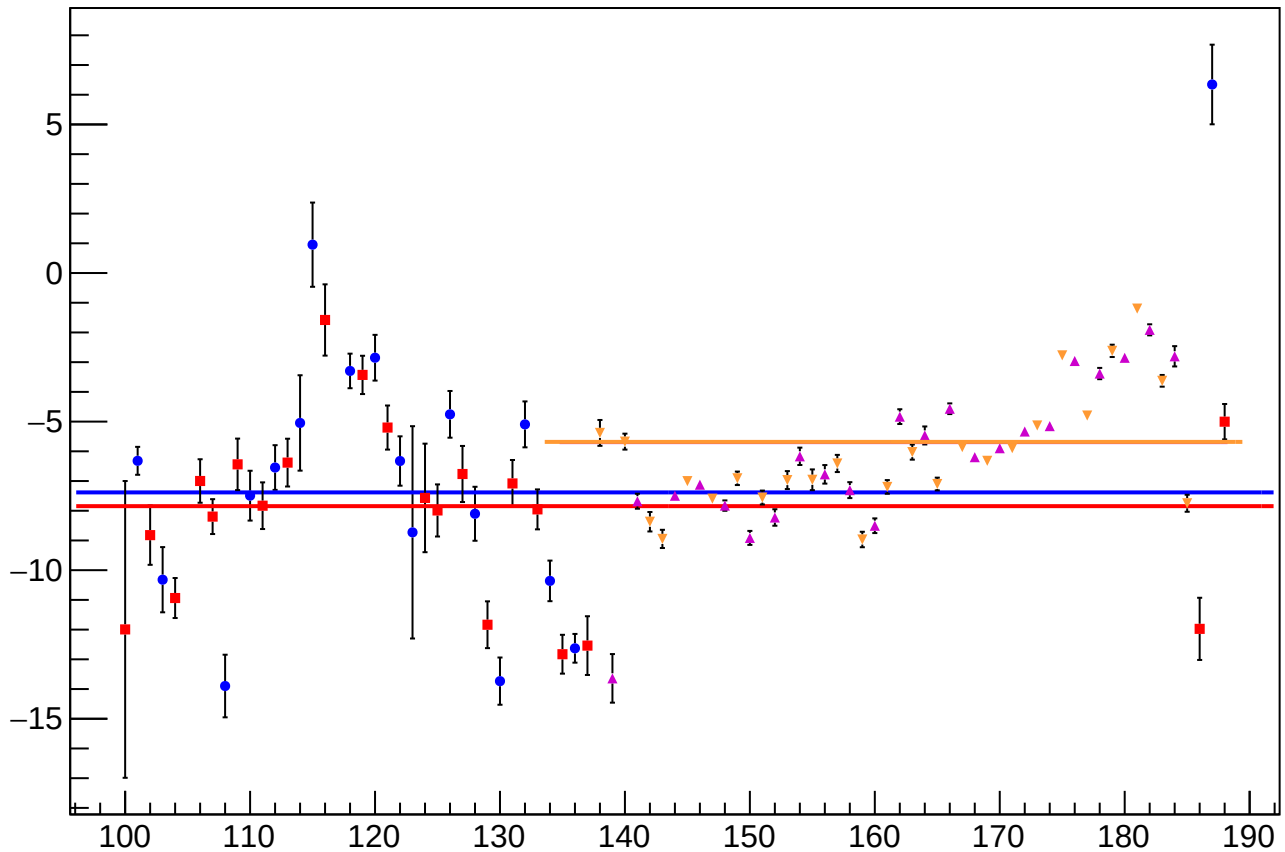
Right: -24.328 ± 0.347 χ^2/NDF : 257.8/2

In: -23.927 ± 0.051 χ^2/NDF : 9225.5/23

Out: -24.543 ± 0.051 χ^2/NDF : 8813.7/26

All: -24.237 ± 0.036 χ^2/NDF : 18113.1/50

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.383 ± 0.184 $\chi^2/\text{NDF}: 500.6/17$

Left Out: -5.683 ± 0.041 $\chi^2/\text{NDF}: 2231.0/24$

Right Out: -7.845 ± 0.175 $\chi^2/\text{NDF}: 264.5/20$

Left In: -5.690 ± 0.041 $\chi^2/\text{NDF}: 2328.2/22$

Left: -5.686 ± 0.029 $\chi^2/\text{NDF}: 4559.2/47$

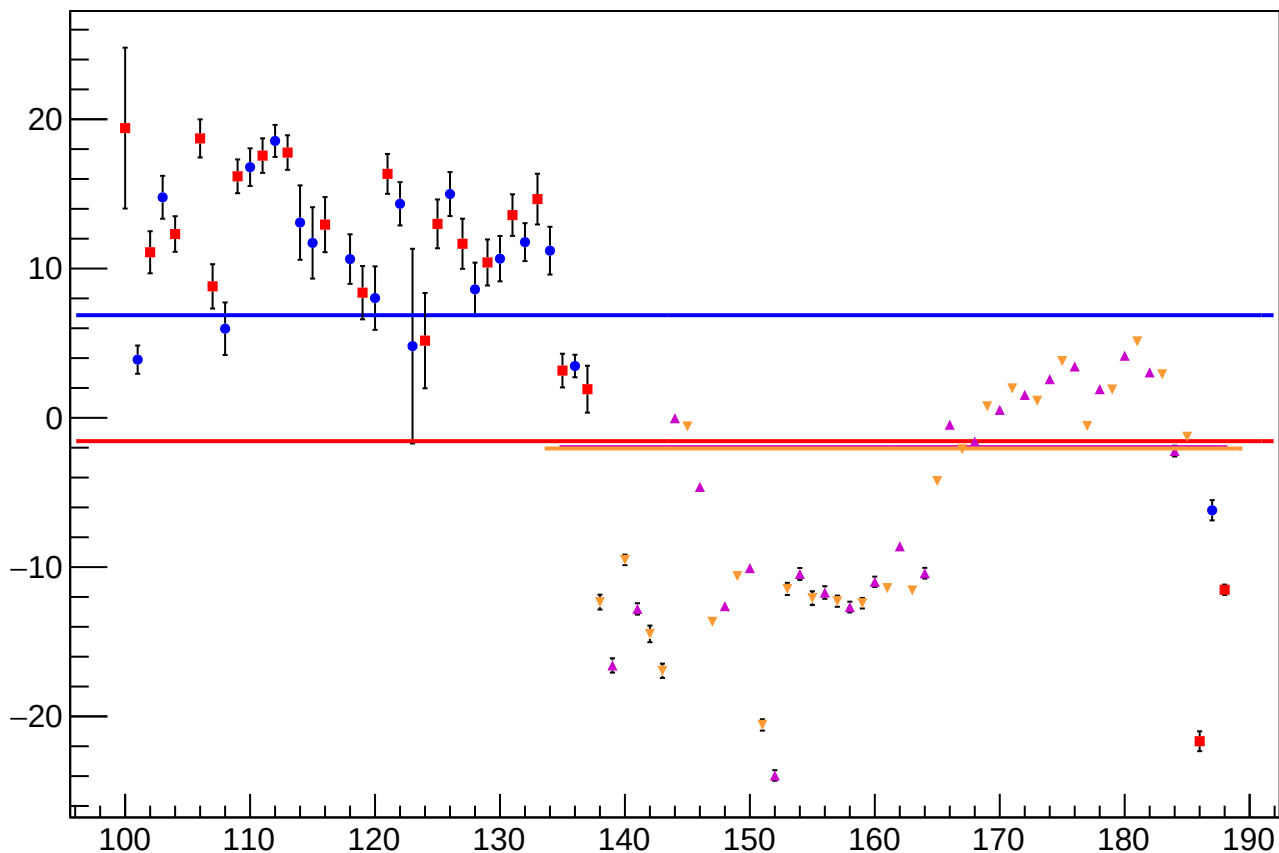
Right: -7.626 ± 0.127 $\chi^2/\text{NDF}: 768.4/38$

In: -5.769 ± 0.040 $\chi^2/\text{NDF}: 2909.7/40$

Out: -5.796 ± 0.040 $\chi^2/\text{NDF}: 2640.3/45$

All: -5.782 ± 0.028 $\chi^2/\text{NDF}: 5550.2/86$

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.874 ± 0.302 $\chi^2/\text{NDF}: 712.3/17$
 Left Out: -2.055 ± 0.051 $\chi^2/\text{NDF}: 16042.5/24$
 Right Out: -1.563 ± 0.226 $\chi^2/\text{NDF}: 3776.6/20$
 Left In: -1.963 ± 0.051 $\chi^2/\text{NDF}: 15492.9/22$

Left: -2.009 ± 0.036 $\chi^2/\text{NDF}: 31537.0/47$

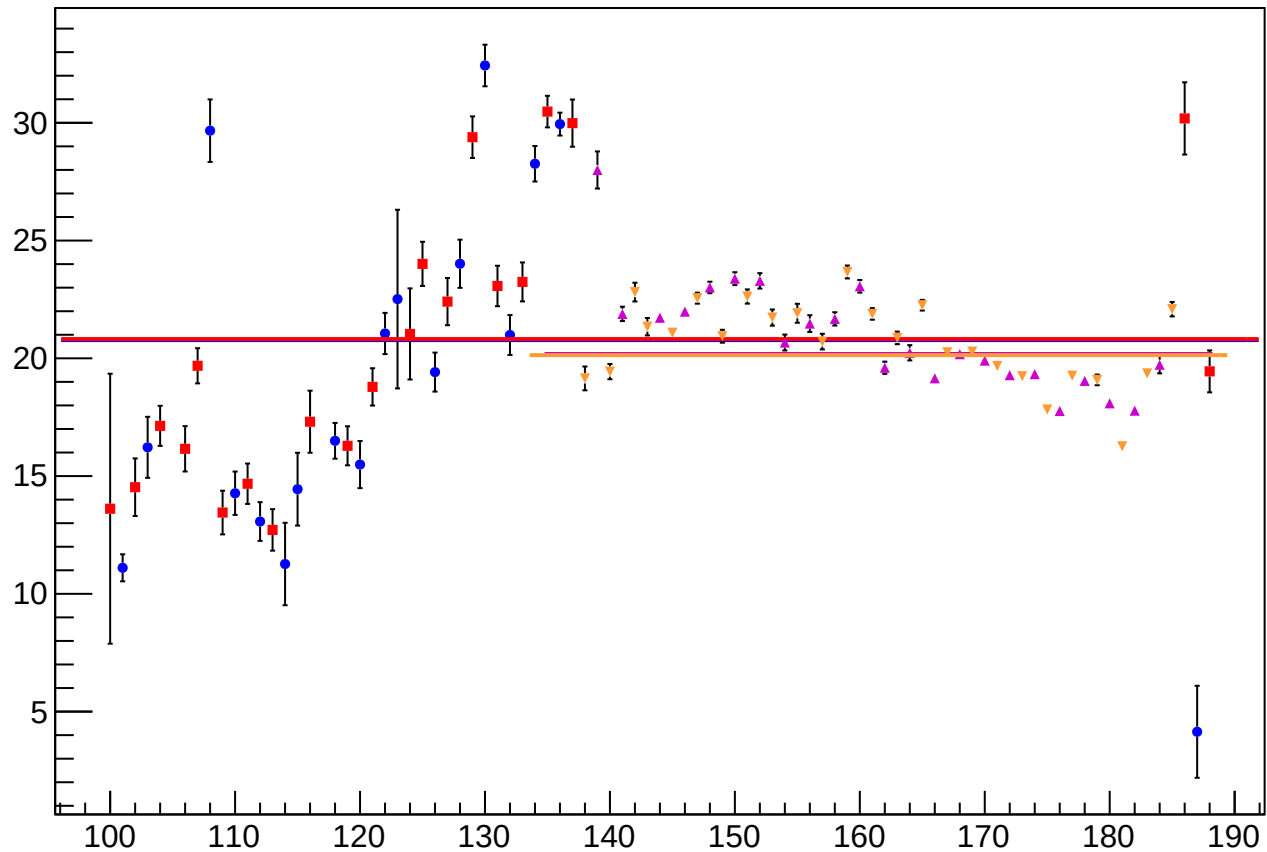
Right: 1.462 ± 0.181 $\chi^2/\text{NDF}: 4990.2/38$

In: -1.717 ± 0.050 $\chi^2/\text{NDF}: 17038.7/40$

Out: -2.031 ± 0.050 $\chi^2/\text{NDF}: 19823.7/45$

All: -1.875 ± 0.036 $\chi^2/\text{NDF}: 36881.8/86$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.774 $\pm$ 0.208 χ^2 /NDF: 1298.8/17

Left Out: 20.136 $\pm$ 0.046 χ^2 /NDF: 1414.2/24

Right Out: 20.817 $\pm$ 0.205 χ^2 /NDF: 769.8/20

Left In: 20.184 $\pm$ 0.046 χ^2 /NDF: 1470.7/22

Left: 20.160 $\pm$ 0.032 χ^2 /NDF: 2885.5/47

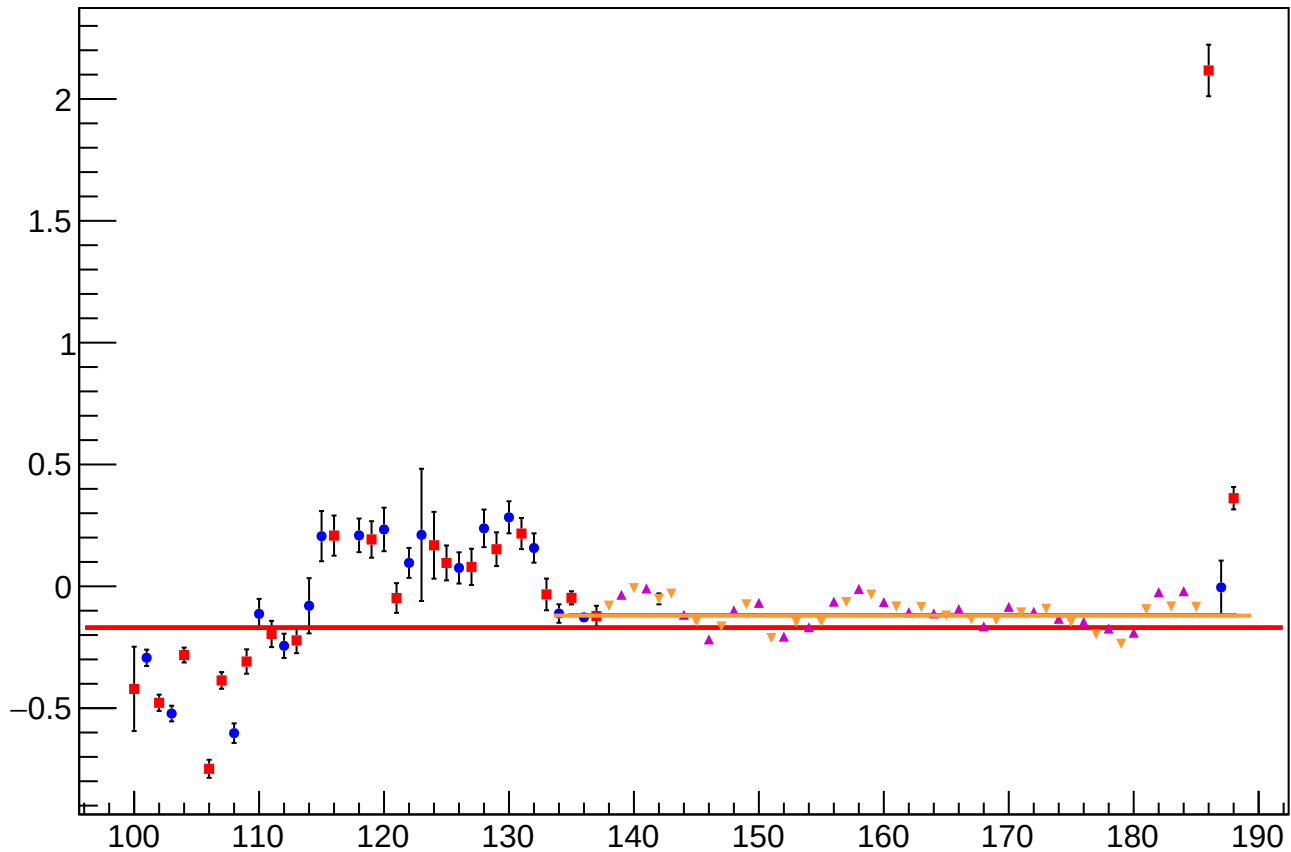
Right: 20.796 $\pm$ 0.146 χ^2 /NDF: 2068.6/38

In: 20.211 $\pm$ 0.045 χ^2 /NDF: 2777.1/40

Out: 20.169 $\pm$ 0.045 χ^2 /NDF: 2194.6/45

All: 20.190 $\pm$ 0.032 χ^2 /NDF: 4972.1/86

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.170 ± 0.011 χ^2/NDF : 466.5/17

Left Out: -0.120 ± 0.002 χ^2/NDF : 532.4/24

Right Out: -0.168 ± 0.011 χ^2/NDF : 1158.8/20

Left In: -0.118 ± 0.002 χ^2/NDF : 727.5/22

Left: -0.119 ± 0.001 χ^2/NDF : 1260.2/47

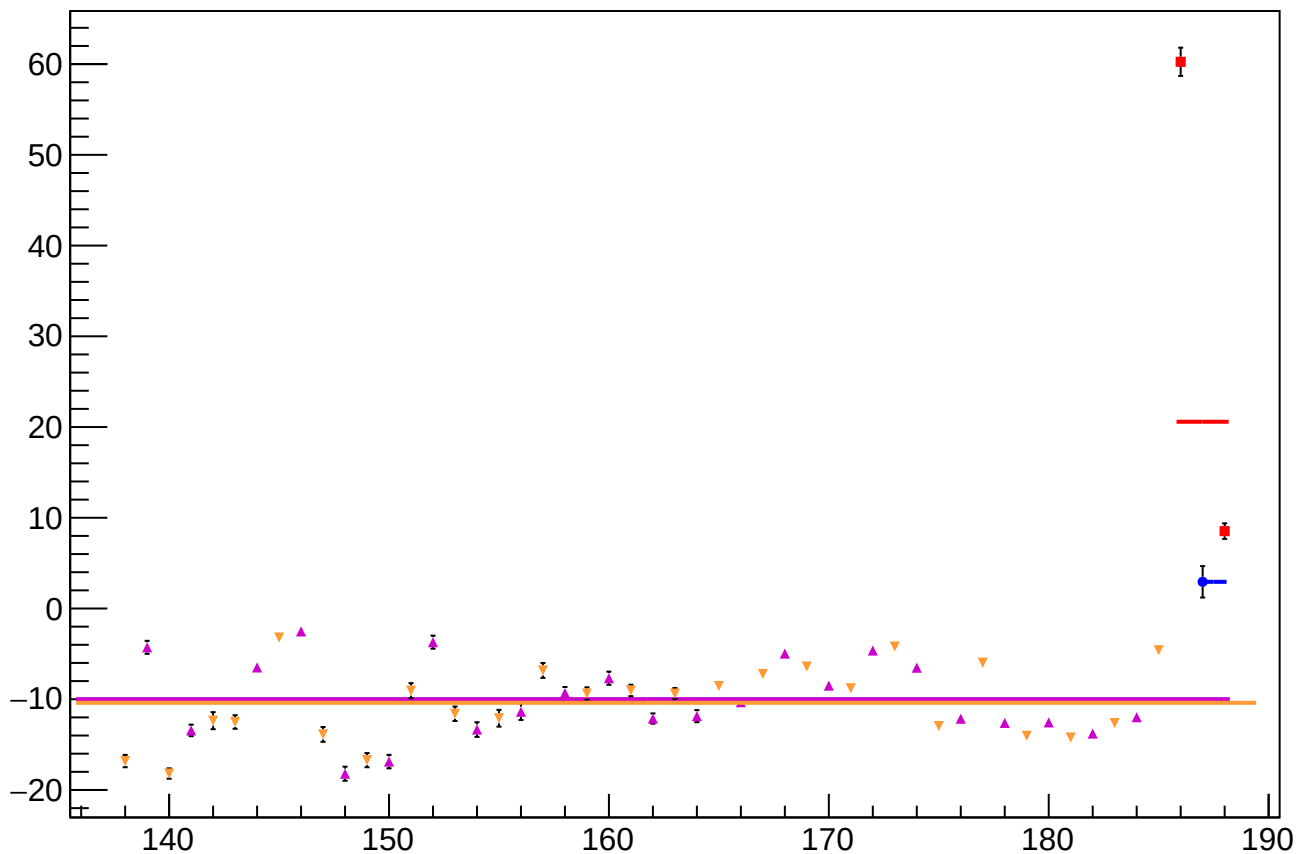
Right: -0.169 ± 0.008 χ^2/NDF : 1625.3/38

In: -0.120 ± 0.002 χ^2/NDF : 1214.7/40

Out: -0.122 ± 0.002 χ^2/NDF : 1710.9/45

All: -0.121 ± 0.001 χ^2/NDF : 2925.9/86

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.941+/-1.732 χ^2/NDF : 0.0/0

Left Out: -10.392+/-0.088 χ^2/NDF : 2112.5/24

Right Out: 20.584+/-0.752 χ^2/NDF : 844.9/1

Left In: -9.990+/-0.089 χ^2/NDF : 1794.2/22

Left: -10.194+/-0.063 χ^2/NDF : 3917.0/47

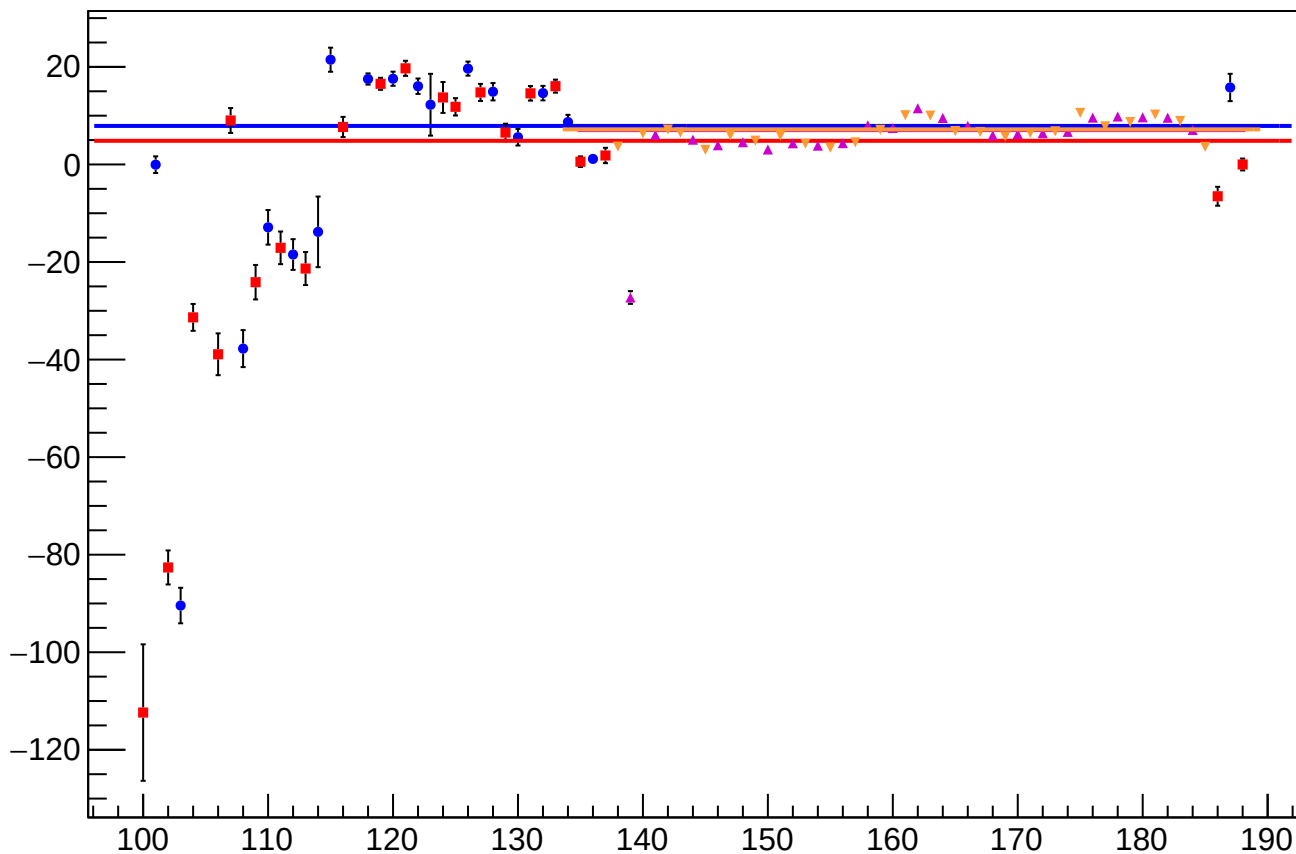
Right: 17.784+/-0.690 χ^2/NDF : 932.2/2

In: -9.956+/-0.089 χ^2/NDF : 1849.8/23

Out: -9.975+/-0.087 χ^2/NDF : 4629.8/26

All: -9.965+/-0.062 χ^2/NDF : 6479.6/50

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.899 ± 0.399 $\chi^2/\text{NDF}: 1366.5/17$

Left Out: 7.187 ± 0.074 $\chi^2/\text{NDF}: 916.3/24$

Right Out: 4.849 ± 0.400 $\chi^2/\text{NDF}: 1570.1/20$

Left In: 7.043 ± 0.074 $\chi^2/\text{NDF}: 1604.6/22$

Left: 7.115 ± 0.052 $\chi^2/\text{NDF}: 2522.8/47$

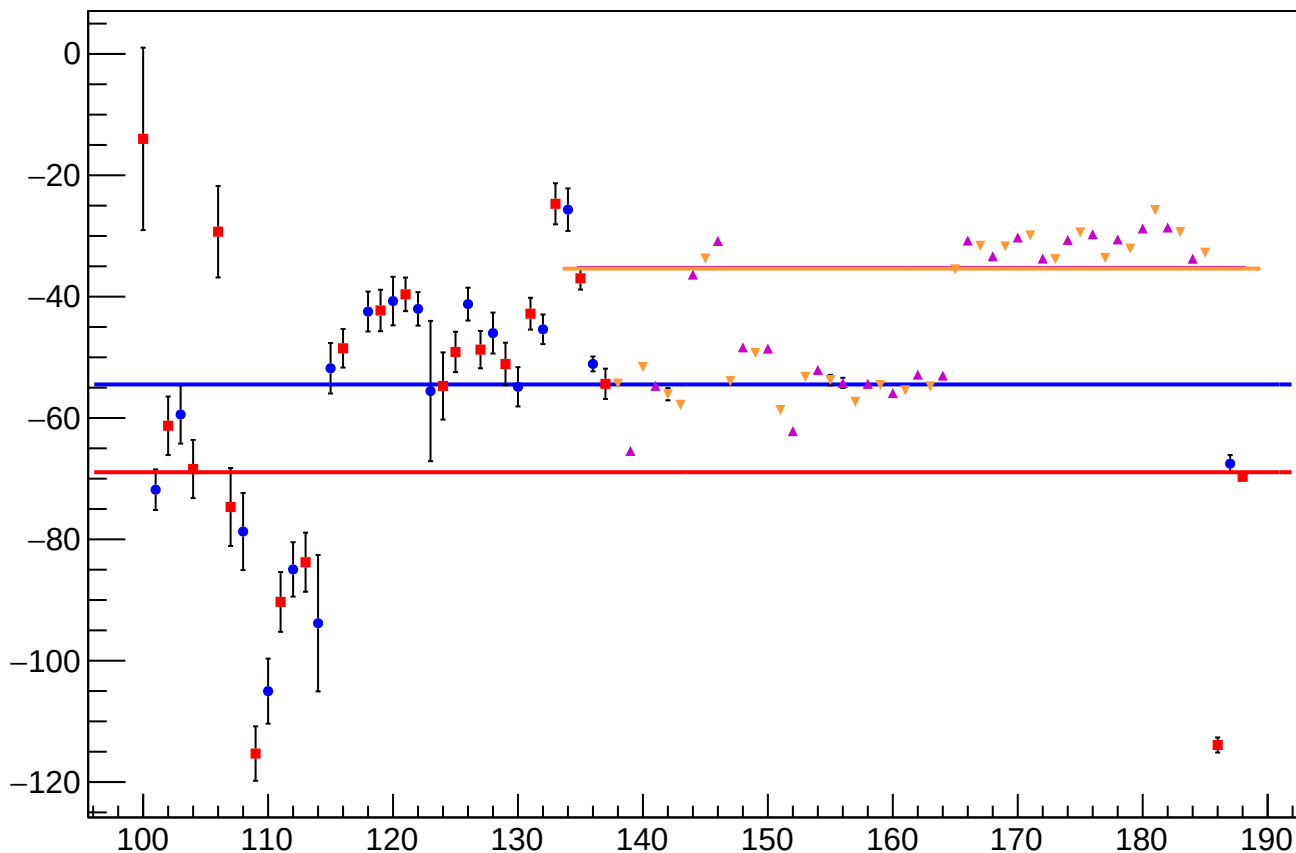
Right: 6.380 ± 0.282 $\chi^2/\text{NDF}: 2965.7/38$

In: 7.072 ± 0.073 $\chi^2/\text{NDF}: 2975.5/40$

Out: 7.111 ± 0.072 $\chi^2/\text{NDF}: 2519.4/45$

All: 7.091 ± 0.051 $\chi^2/\text{NDF}: 5495.0/86$

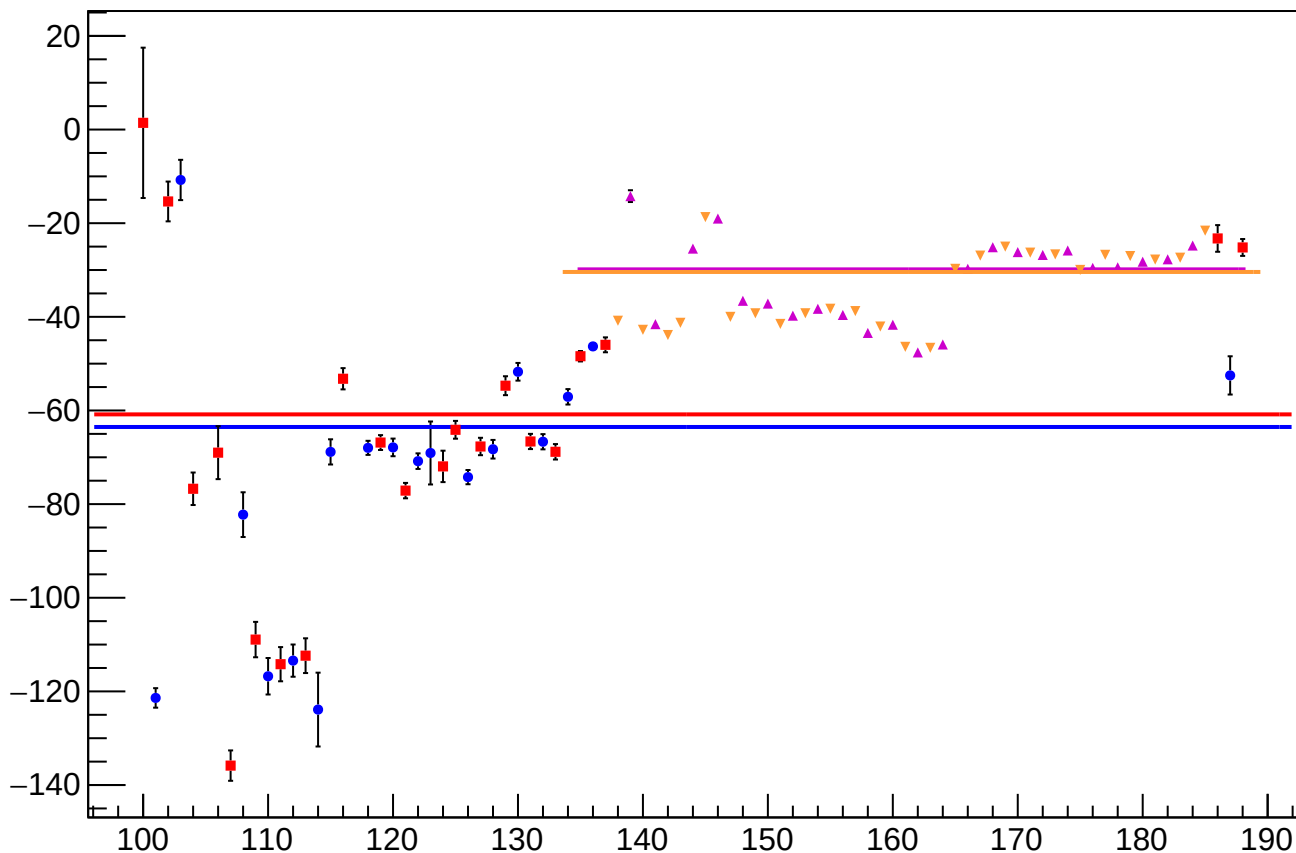
reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.471 ± 0.655 $\chi^2/\text{NDF}: 439.4/17$
 Left Out: -35.377 ± 0.089 $\chi^2/\text{NDF}: 12628.3/24$
 Right Out: -68.938 ± 0.482 $\chi^2/\text{NDF}: 2410.8/20$
 Left In: -35.260 ± 0.090 $\chi^2/\text{NDF}: 11769.2/22$

Left: -35.319 ± 0.063 $\chi^2/\text{NDF}: 24398.4/47$
 Right: -63.855 ± 0.388 $\chi^2/\text{NDF}: 3166.6/38$
 In: -35.614 ± 0.089 $\chi^2/\text{NDF}: 13053.1/40$
 Out: -36.485 ± 0.088 $\chi^2/\text{NDF}: 19726.8/45$
 All: -36.056 ± 0.062 $\chi^2/\text{NDF}: 32828.5/86$

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525 $\pm$ 0.443 χ^2 /NDF: 2022.1/17

Left Out: -30.415 $\pm$ 0.082 χ^2 /NDF: 8132.2/24

Right Out: -60.835 $\pm$ 0.460 χ^2 /NDF: 2229.2/20

Left In: -29.863 $\pm$ 0.082 χ^2 /NDF: 7145.9/22

Left: -30.141 $\pm$ 0.058 χ^2 /NDF: 15300.8/47

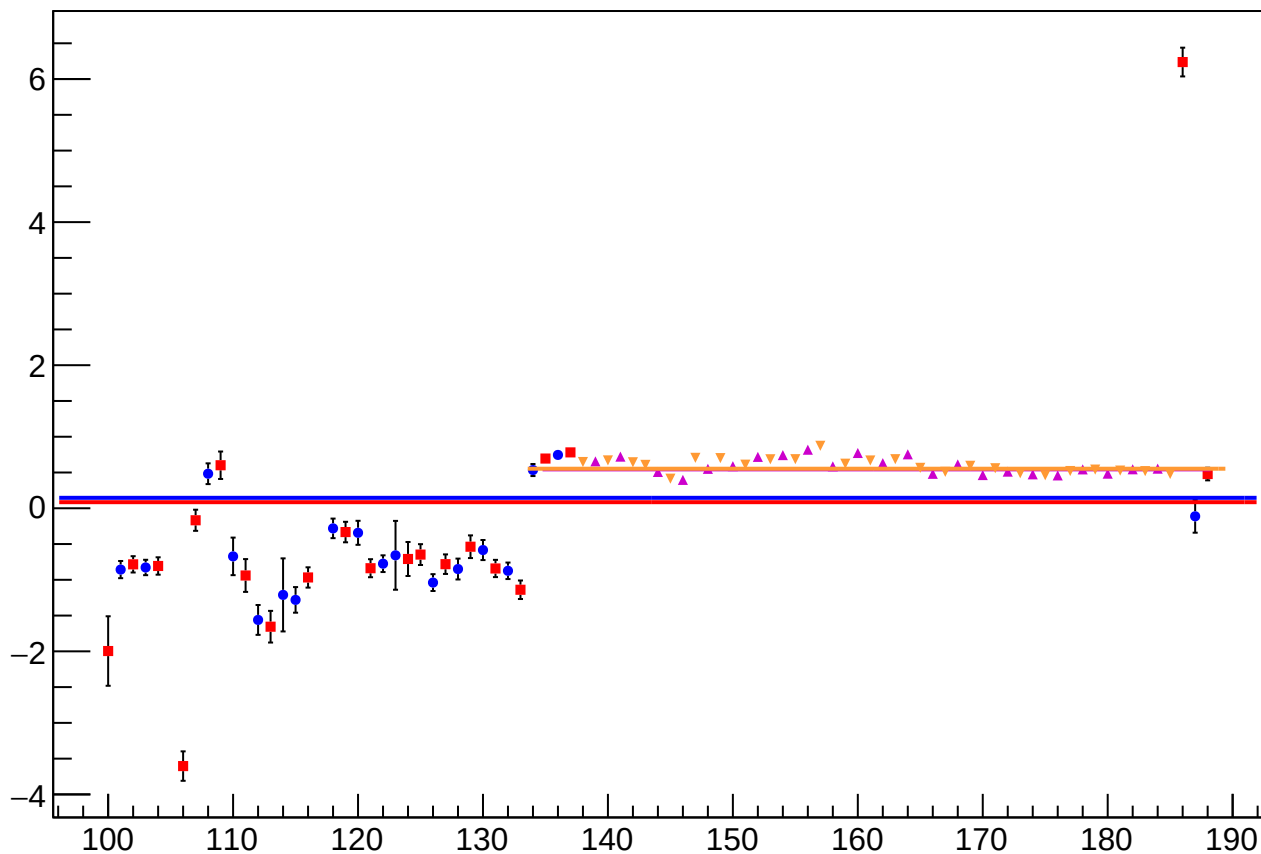
Right: -62.231 $\pm$ 0.319 χ^2 /NDF: 4269.1/38

In: -30.986 $\pm$ 0.081 χ^2 /NDF: 14755.9/40

Out: -31.344 $\pm$ 0.080 χ^2 /NDF: 14601.7/45

All: -31.166 $\pm$ 0.057 χ^2 /NDF: 29367.5/86

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.146 $\pm$ 0.024 χ^2 /NDF: 991.2/17

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF:542.9/24

Right Out: 0.085 $\pm$ 0.025 χ^2 /NDF: 2152.7/20

Left In: 0.544 $\pm$ 0.004 χ^2 /NDF:659.2/22

Left: 0.548 $\pm$ 0.003 χ^2 /NDF: 1205.2/47

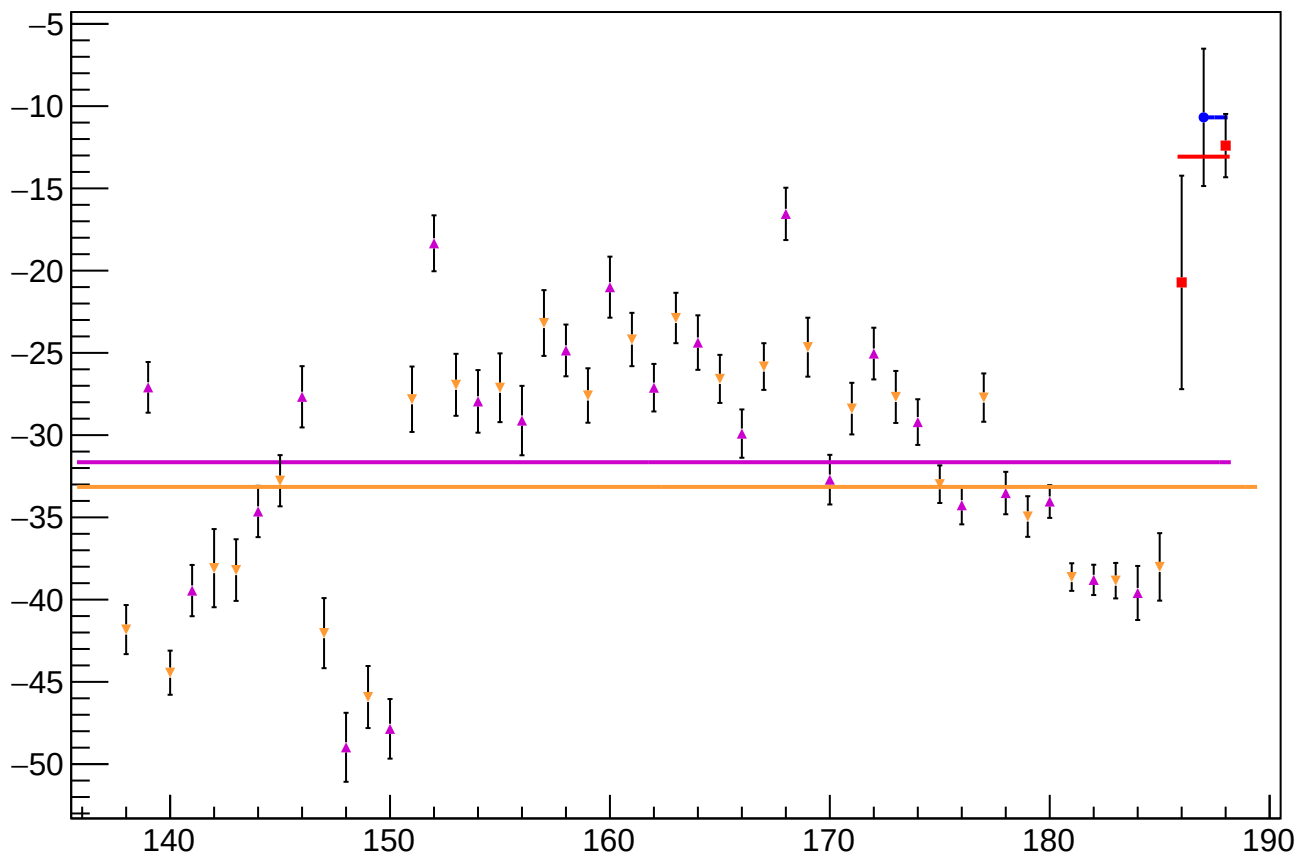
Right: 0.117 $\pm$ 0.017 χ^2 /NDF: 3147.1/38

In: 0.534 $\pm$ 0.004 χ^2 /NDF:1921.4/40

Out: 0.543 $\pm$ 0.004 χ^2 /NDF:3040.3/45

All: 0.538 $\pm$ 0.003 χ^2 /NDF: 4964.6/86

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -10.682 ± 4.176 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -33.148 ± 0.301 $\chi^2/\text{NDF}: 500.0/24$

Right Out: -13.072 ± 1.845 $\chi^2/\text{NDF}: 1.5/1$

Left In: -31.647 ± 0.308 $\chi^2/\text{NDF}: 546.9/22$

Left: -32.414 ± 0.215 $\chi^2/\text{NDF}: 1059.0/47$

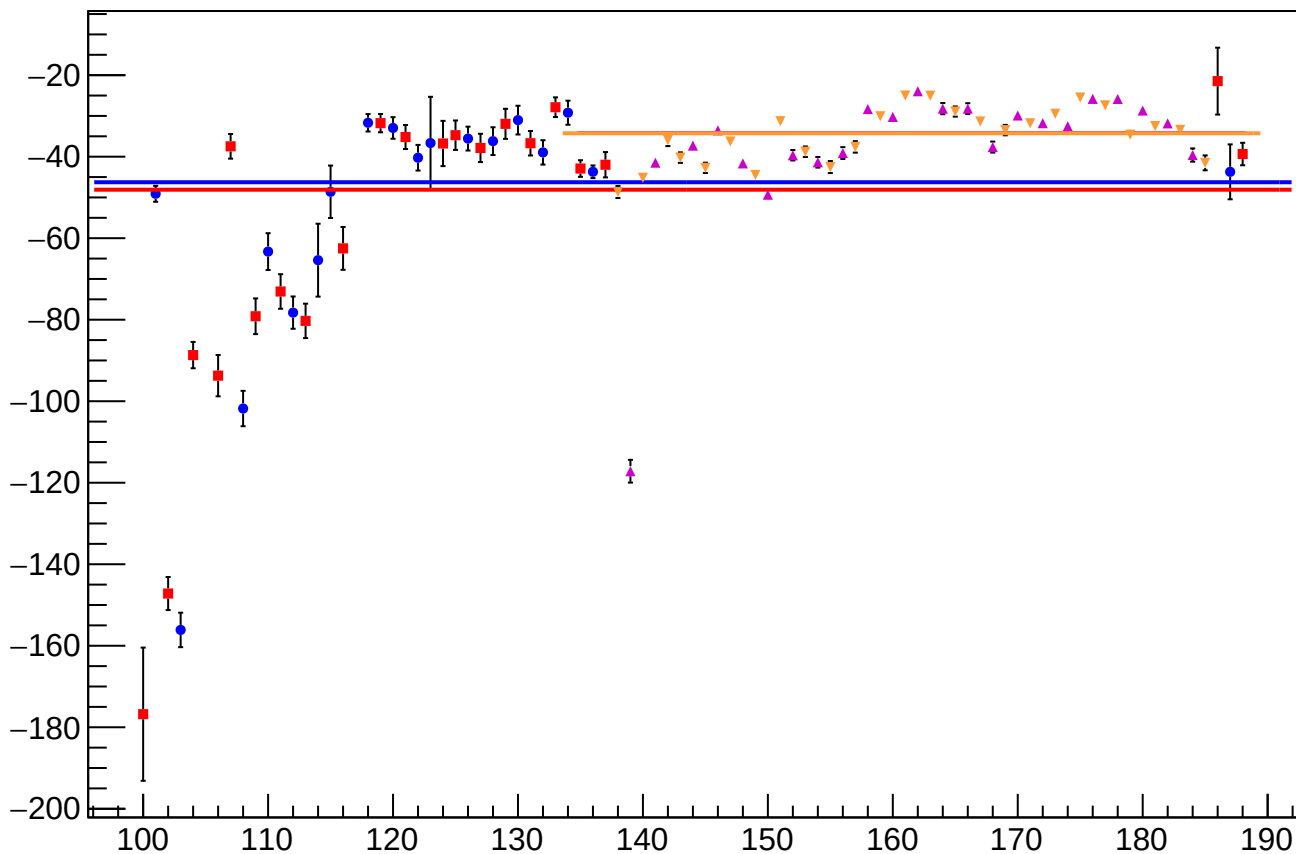
Right: -12.681 ± 1.687 $\chi^2/\text{NDF}: 1.8/2$

In: -31.534 ± 0.307 $\chi^2/\text{NDF}: 572.0/23$

Out: -32.628 ± 0.297 $\chi^2/\text{NDF}: 616.9/26$

All: -32.099 ± 0.213 $\chi^2/\text{NDF}: 1195.4/50$

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.271 ± 0.719 $\chi^2/\text{NDF}: 1084.2/17$

Left Out: -34.256 ± 0.242 $\chi^2/\text{NDF}: 693.3/24$

Right Out: -48.105 ± 0.733 $\chi^2/\text{NDF}: 1293.7/20$

Left In: -34.189 ± 0.250 $\chi^2/\text{NDF}: 1546.1/22$

Left: -34.224 ± 0.174 $\chi^2/\text{NDF}: 2239.5/47$

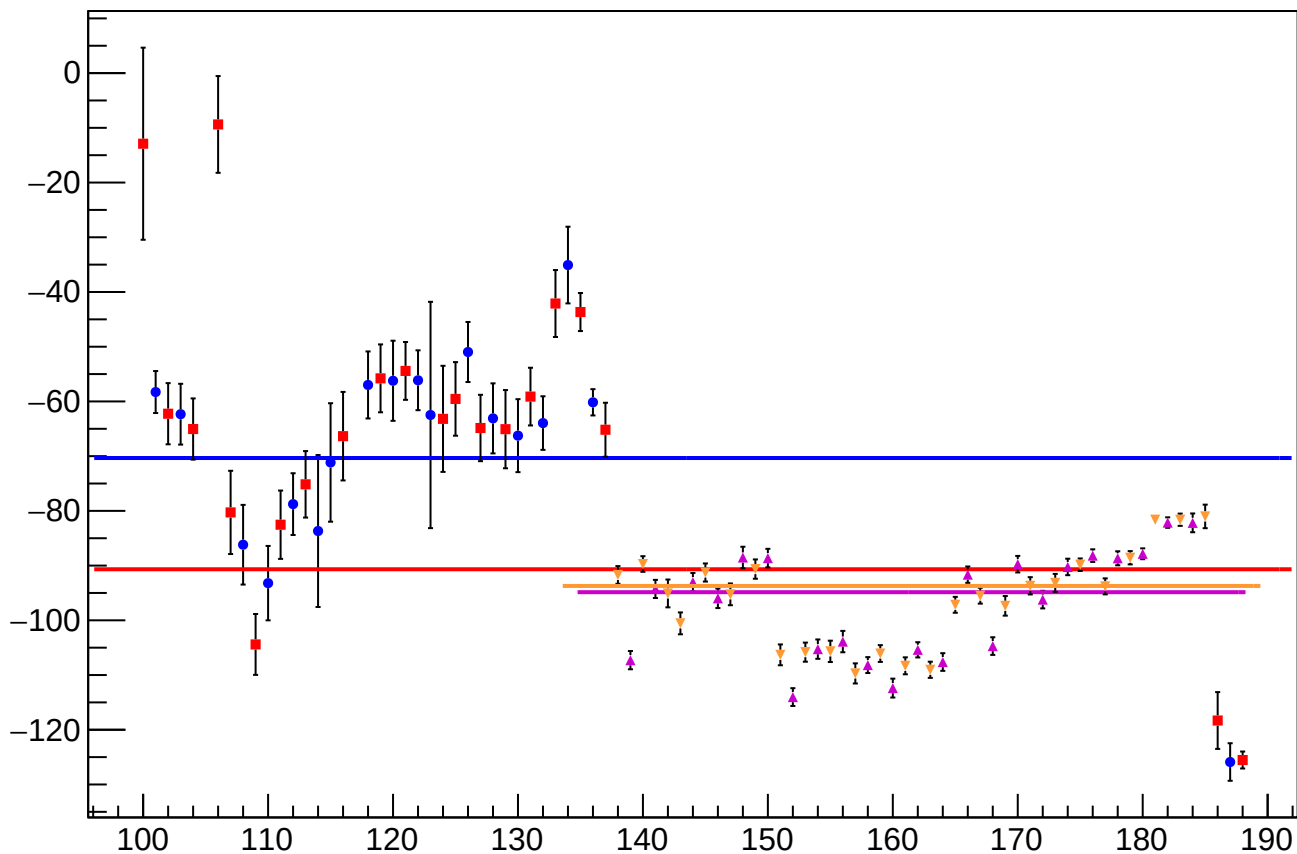
Right: -47.170 ± 0.513 $\chi^2/\text{NDF}: 2381.1/38$

In: -35.495 ± 0.236 $\chi^2/\text{NDF}: 2882.4/40$

Out: -35.618 ± 0.230 $\chi^2/\text{NDF}: 2308.8/45$

All: -35.558 ± 0.165 $\chi^2/\text{NDF}: 5191.4/86$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -70.340 ± 1.224 $\chi^2/\text{NDF}: 367.7/17$

Left Out: -93.719 ± 0.302 $\chi^2/\text{NDF}: 878.2/24$

Right Out: -90.670 ± 1.011 $\chi^2/\text{NDF}: 1157.3/20$

Left In: -94.861 ± 0.307 $\chi^2/\text{NDF}: 985.5/22$

Left: -94.280 ± 0.215 $\chi^2/\text{NDF}: 1870.7/47$

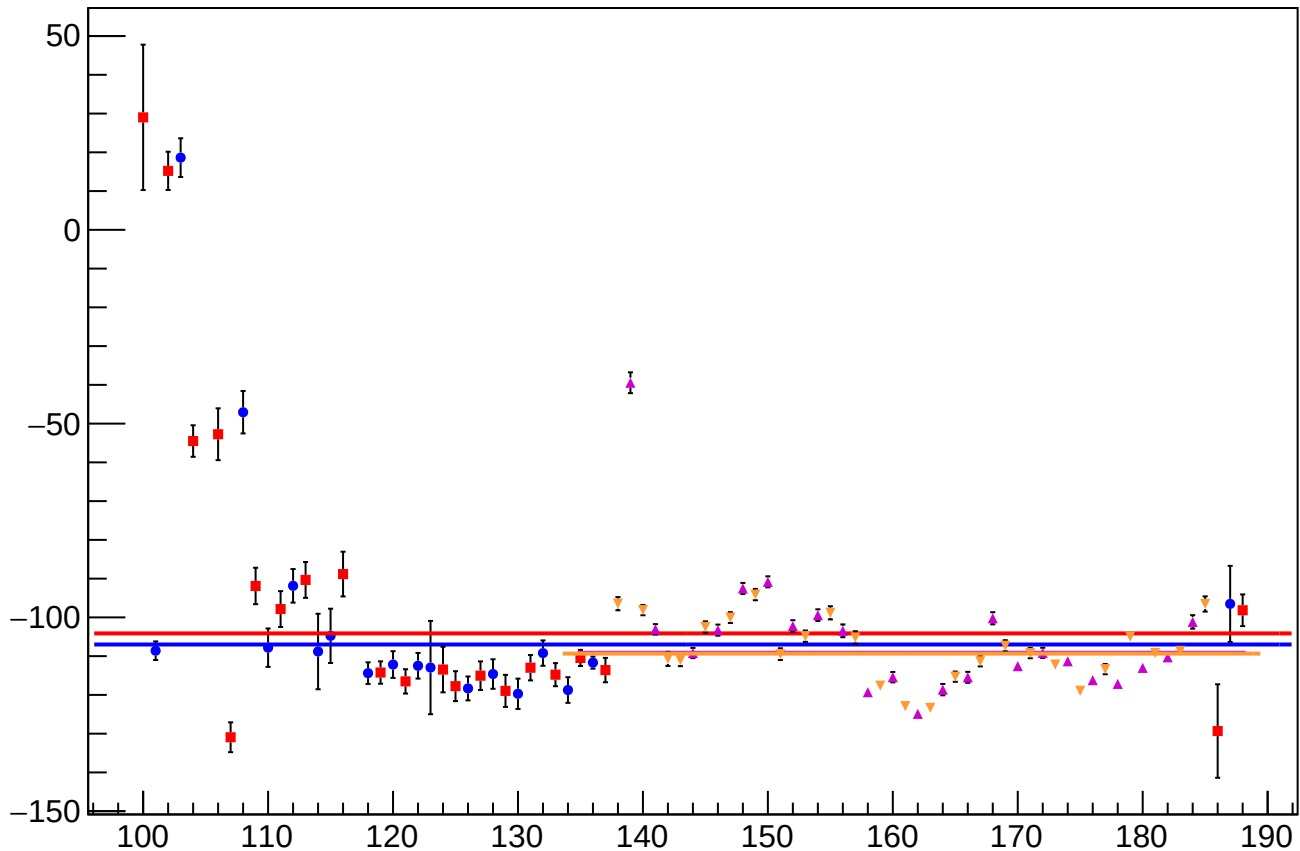
Right: -82.425 ± 0.779 $\chi^2/\text{NDF}: 1689.0/38$

In: -93.407 ± 0.298 $\chi^2/\text{NDF}: 1730.8/40$

Out: -93.469 ± 0.290 $\chi^2/\text{NDF}: 2043.8/45$

All: -93.439 ± 0.208 $\chi^2/\text{NDF}: 3774.6/86$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.995 ± 0.809 χ^2/NDF : 829.5/17

Left Out: -109.338 ± 0.272 χ^2/NDF : 826.2/24

Right Out: -104.133 ± 0.840 χ^2/NDF : 1025.2/20

Left In: -109.126 ± 0.279 χ^2/NDF : 1578.7/22

Left: -109.235 ± 0.195 χ^2/NDF : 2405.2/47

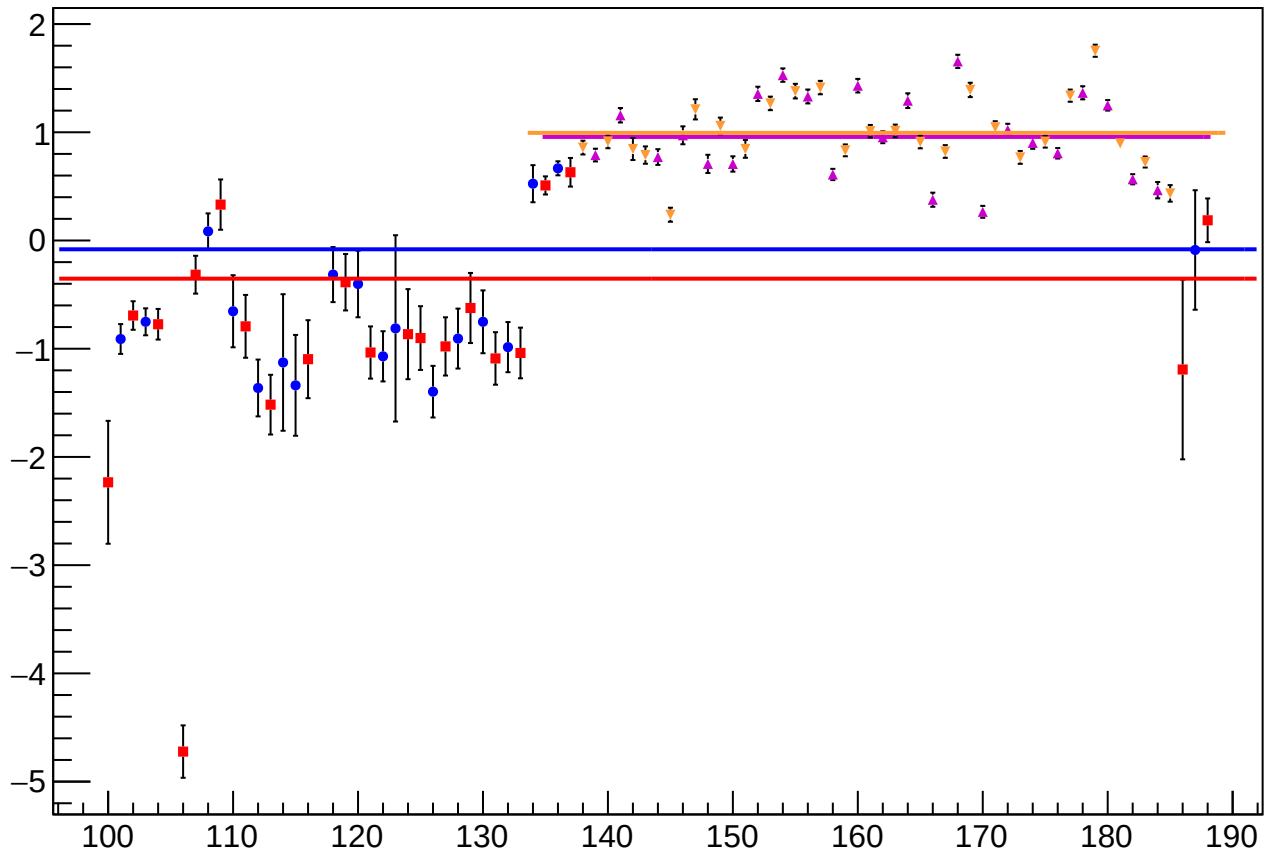
Right: -105.619 ± 0.583 χ^2/NDF : 1860.7/38

In: -108.899 ± 0.264 χ^2/NDF : 2414.4/40

Out: -108.845 ± 0.259 χ^2/NDF : 1886.1/45

All: -108.872 ± 0.185 χ^2/NDF : 4300.5/86

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.081 ± 0.042 χ^2/NDF : 329.0/17

Left Out: 0.995 ± 0.012 χ^2/NDF : 635.3/24

Right Out: -0.353 ± 0.043 χ^2/NDF : 591.4/20

Left In: 0.957 ± 0.013 χ^2/NDF : 896.5/22

Left: 0.976 ± 0.009 χ^2/NDF : 1536.3/47

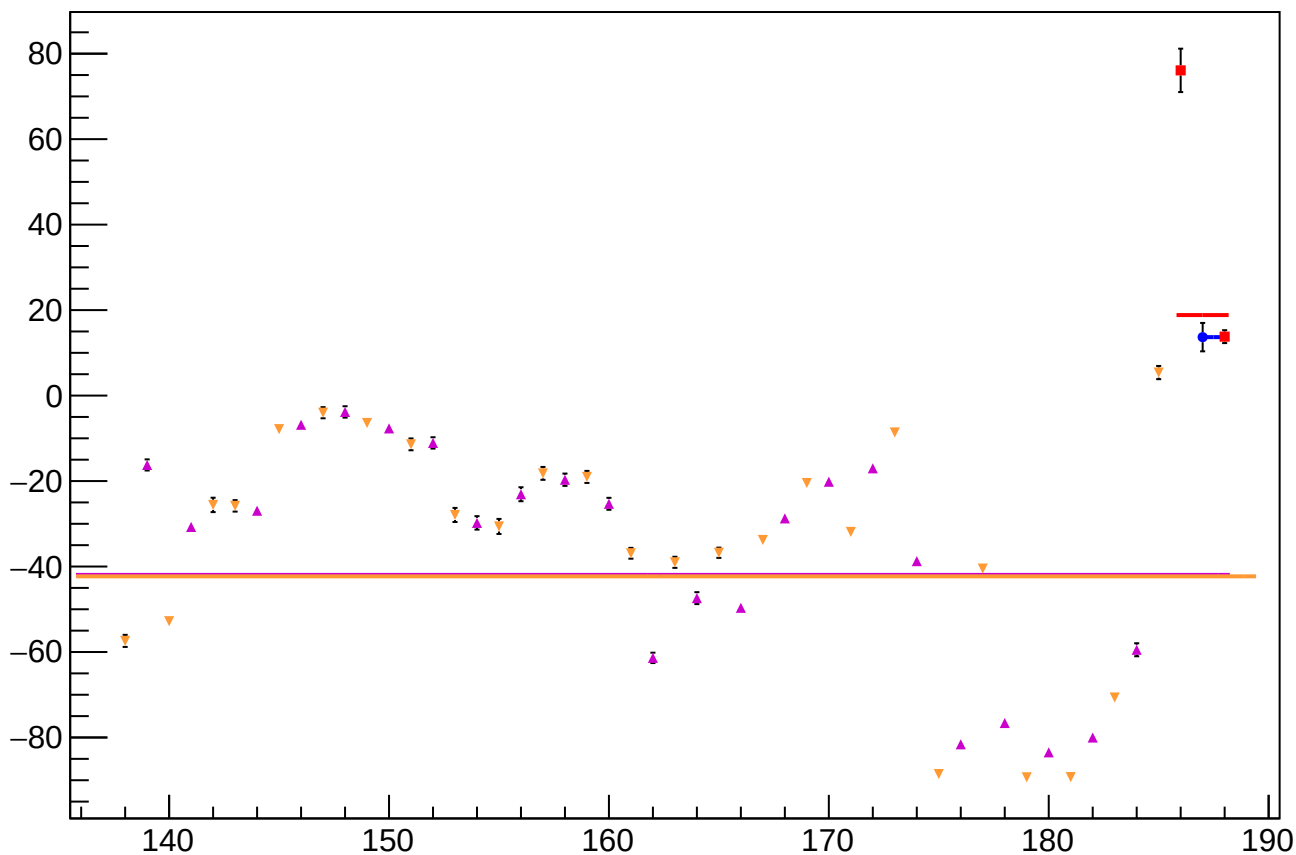
Right: -0.215 ± 0.030 χ^2/NDF : 940.8/38

In: 0.871 ± 0.012 χ^2/NDF : 1784.9/40

Out: 0.890 ± 0.012 χ^2/NDF : 2139.1/45

All: 0.881 ± 0.008 χ^2/NDF : 3925.3/86

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



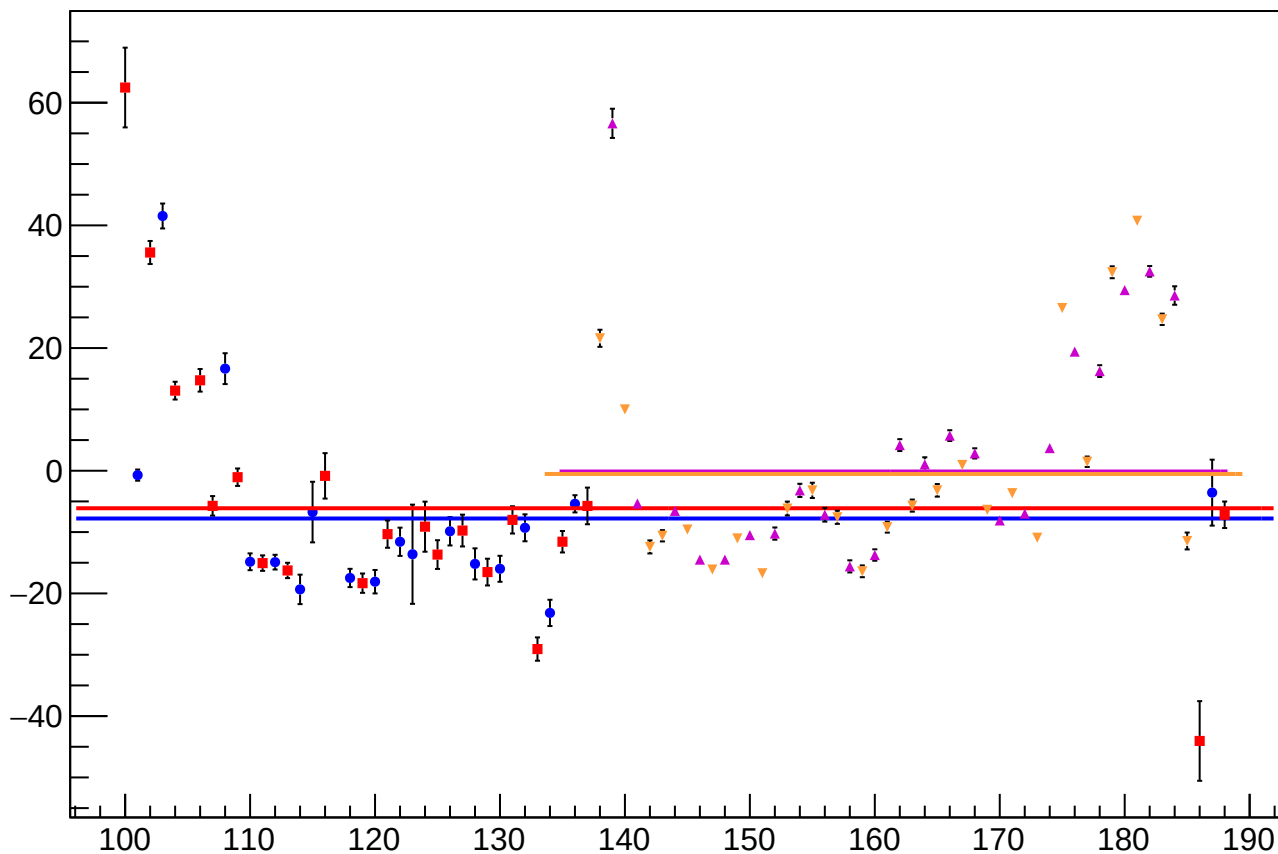
Right In: 13.675 ± 3.323 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -42.295 ± 0.222 $\chi^2/\text{NDF}: 18267.5/24$
 Right Out: 18.838 ± 1.445 $\chi^2/\text{NDF}: 138.3/1$
 Left In: -41.955 ± 0.226 $\chi^2/\text{NDF}: 14723.4/22$

Left: -42.128 ± 0.159 $\chi^2/\text{NDF}: 32992.1/47$
 Right: 18.017 ± 1.325 $\chi^2/\text{NDF}: 140.4/2$

In: -41.699 ± 0.225 $\chi^2/\text{NDF}: 15002.4/23$
 Out: -40.881 ± 0.220 $\chi^2/\text{NDF}: 20153.5/26$

All: -41.280 ± 0.157 $\chi^2/\text{NDF}: 35162.6/50$

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



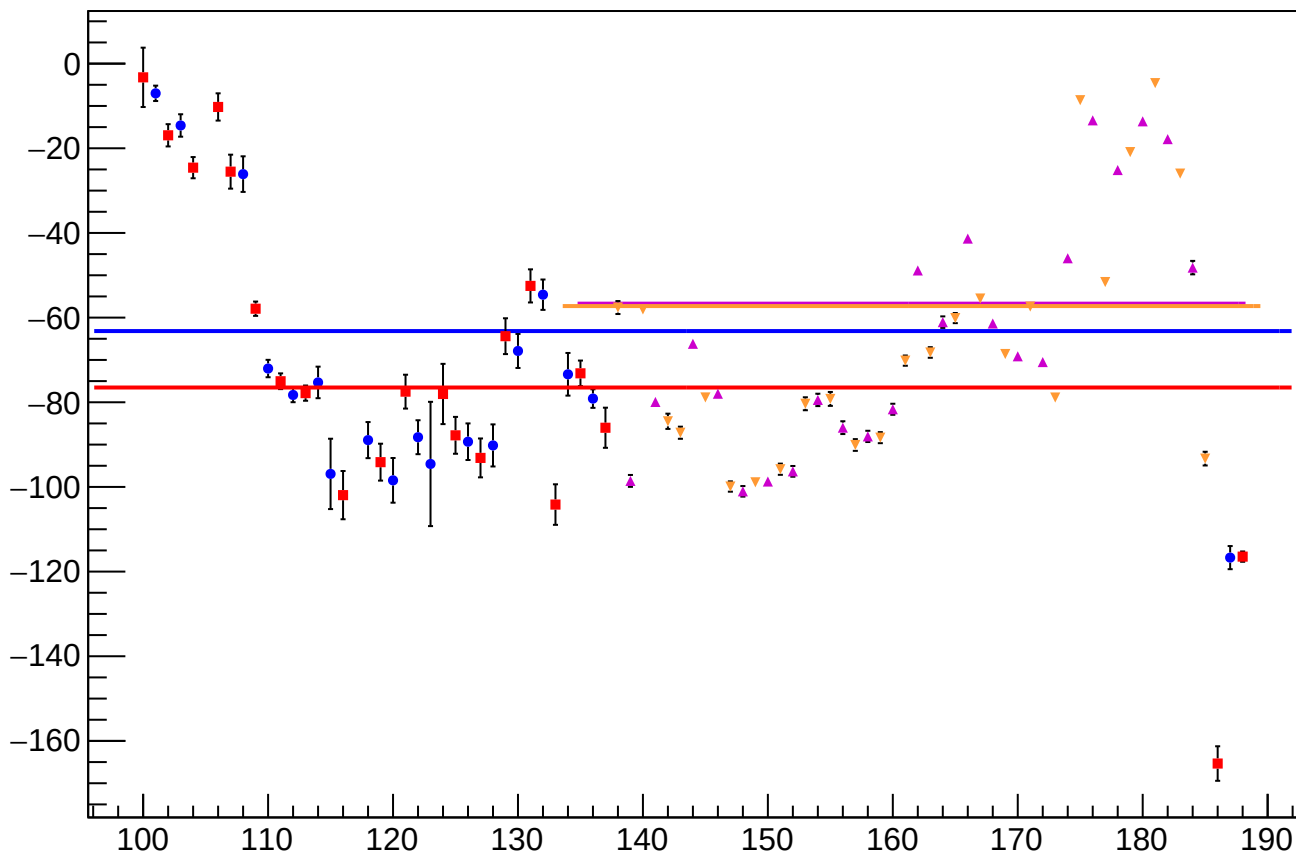
Right In: -7.785 ± 0.426 χ^2/NDF : 983.4/17
 Left Out: -0.527 ± 0.175 χ^2/NDF : 8707.9/24
 Right Out: -6.116 ± 0.420 χ^2/NDF : 1327.7/20
 Left In: -0.125 ± 0.179 χ^2/NDF : 6925.0/22

Left: -0.331 ± 0.125 χ^2/NDF : 15635.5/47
 Right: -6.939 ± 0.299 χ^2/NDF : 2318.8/38

In: -1.270 ± 0.165 χ^2/NDF : 8183.5/40
 Out: -1.352 ± 0.161 χ^2/NDF : 10186.5/45

All: -1.312 ± 0.115 χ^2/NDF : 18370.1/86

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -63.180+/-0.718 χ^2/NDF : 2132.6/17

Left Out: -57.276+/-0.224 χ^2/NDF :18511.1/24

Right Out: -76.513+/-0.603 χ^2/NDF : 3450.4/20

Left In: -56.705+/-0.226 χ^2/NDF :16547.5/22

Left: -56.993+/-0.159 χ^2/NDF : 35061.8/47

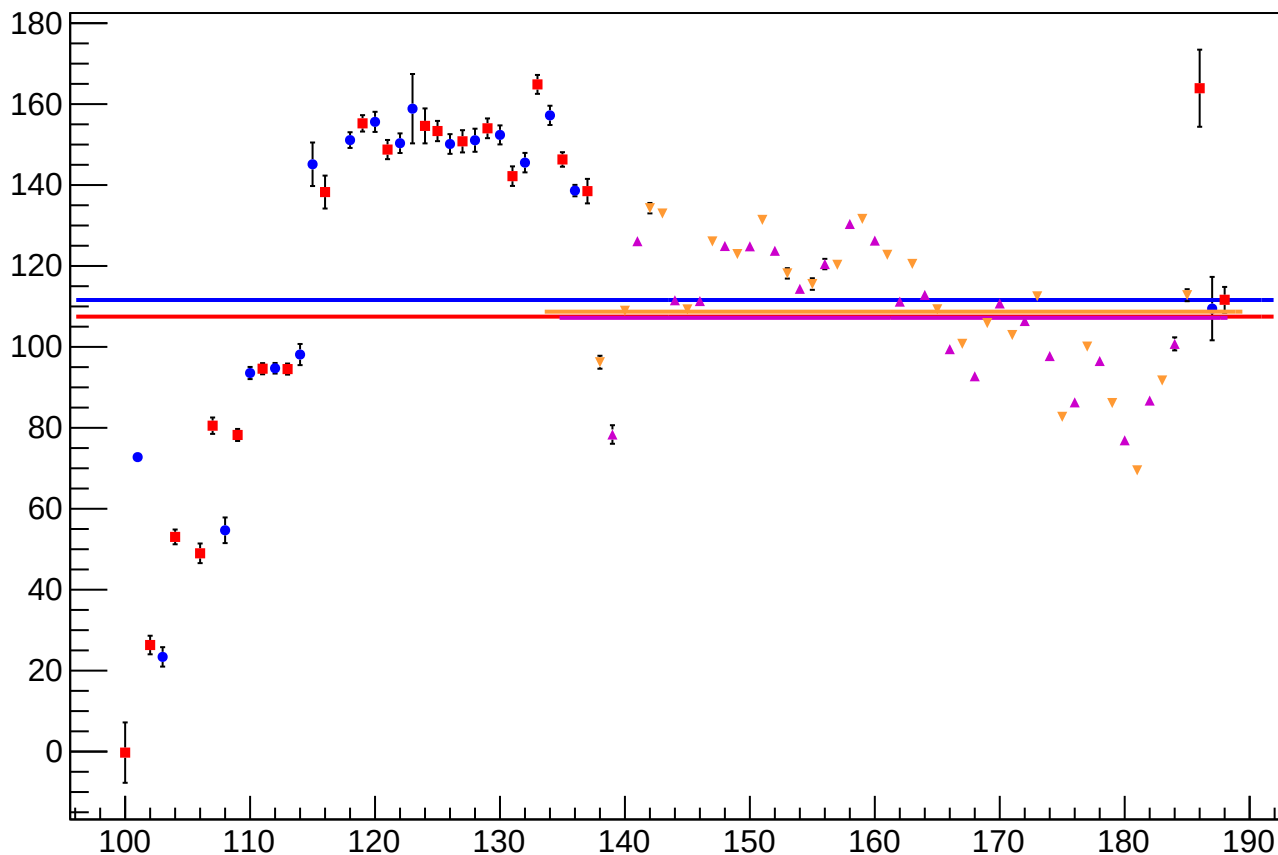
Right: -70.996+/-0.462 χ^2/NDF : 5785.3/38

In: -57.289+/-0.216 χ^2/NDF :18754.2/40

Out: -59.601+/-0.210 χ^2/NDF :22856.5/45

All: -58.478+/-0.150 χ^2/NDF : 41669.8/86

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.590 $\pm$ 0.486 χ^2 /NDF: 5959.6/17

Left Out: 108.709 $\pm$ 0.198 χ^2 /NDF: 7297.0/24

Right Out: 107.484 $\pm$ 0.481 χ^2 /NDF: 7074.5/20

Left In: 107.180 $\pm$ 0.202 χ^2 /NDF: 5592.3/22

Left: 107.959 $\pm$ 0.141 χ^2 /NDF: 12918.6/47

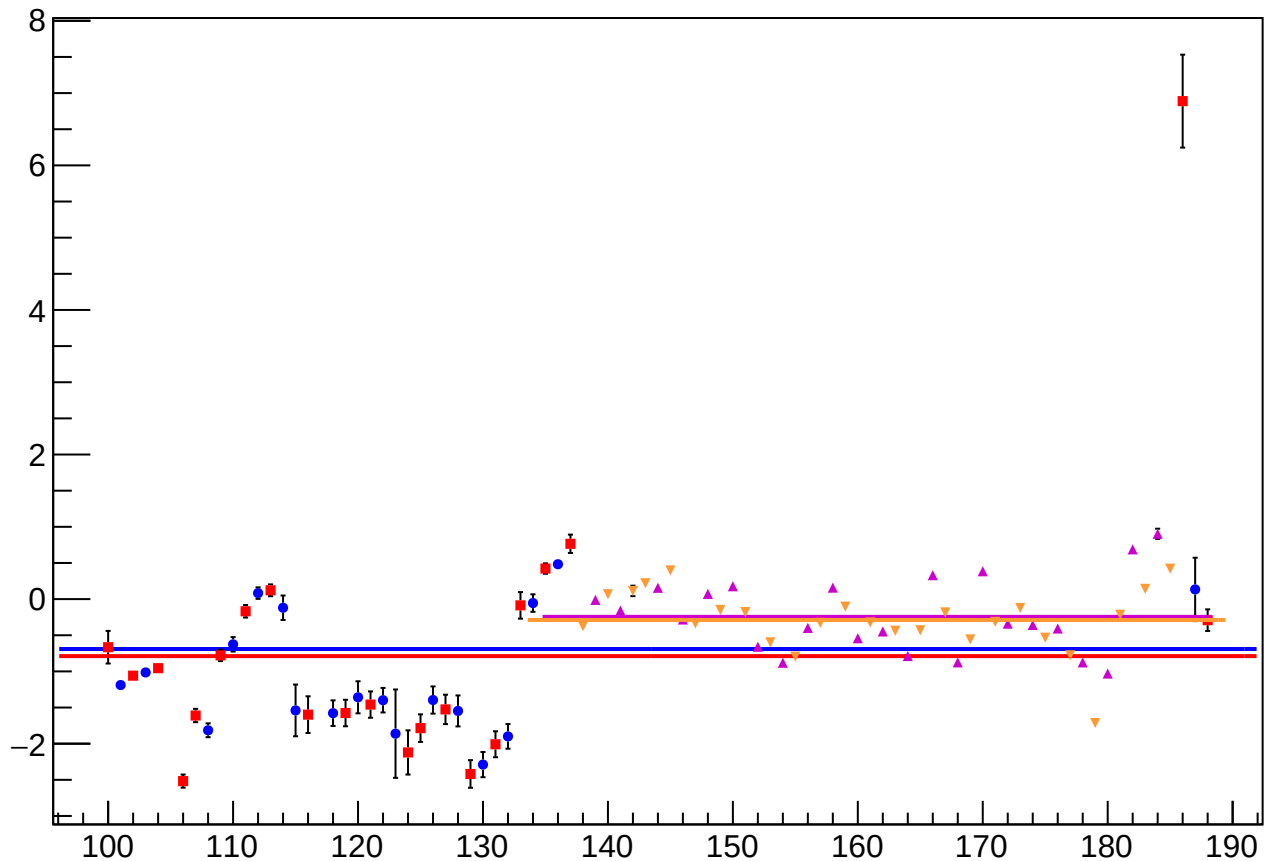
Right: 109.519 $\pm$ 0.342 χ^2 /NDF: 13070.1/38

In: 107.829 $\pm$ 0.186 χ^2 /NDF: 11622.2/40

Out: 108.532 $\pm$ 0.183 χ^2 /NDF: 14377.0/45

All: 108.187 $\pm$ 0.130 χ^2 /NDF: 26006.5/86

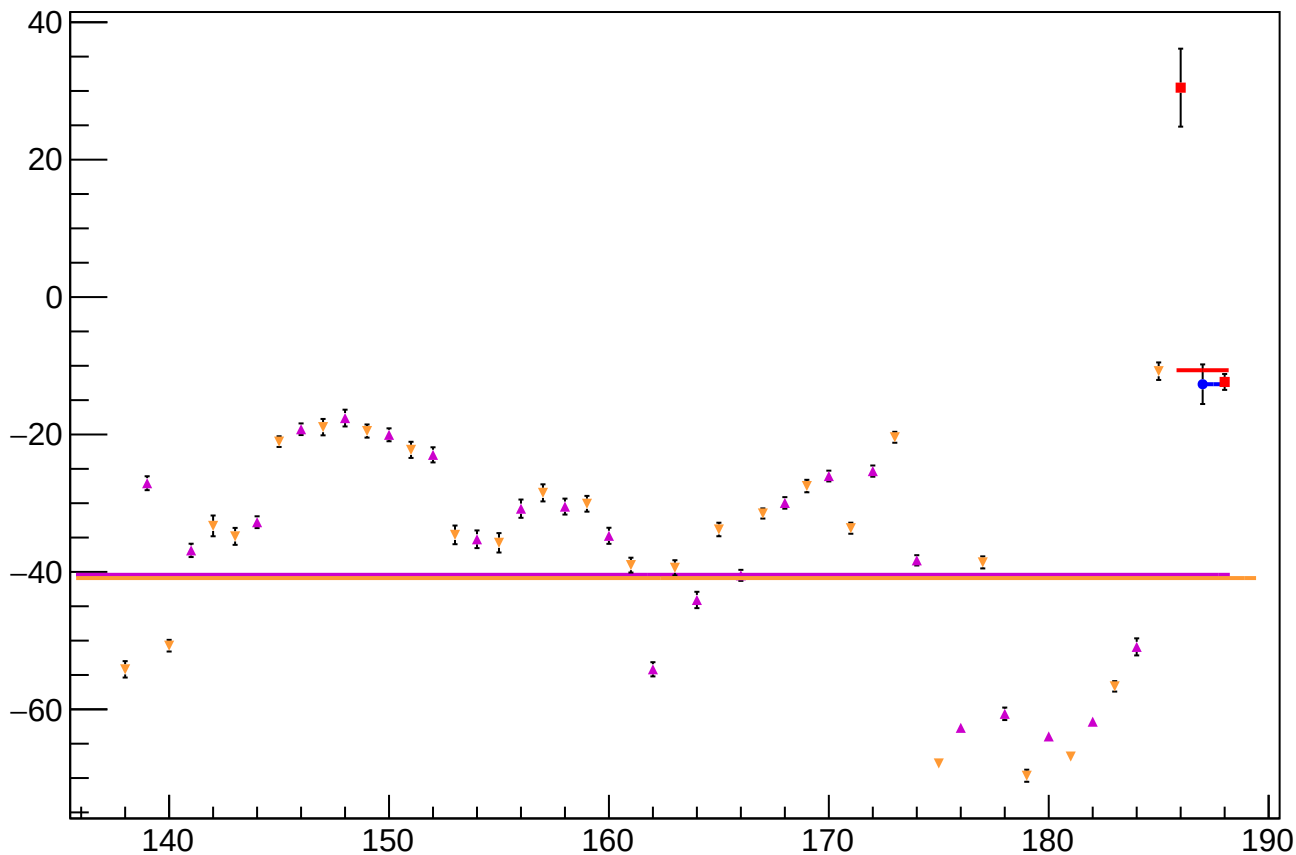
reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.690 ± 0.026 χ^2/NDF : 996.6/17
 Left Out: -0.289 ± 0.009 χ^2/NDF : 2039.6/24
 Right Out: -0.789 ± 0.024 χ^2/NDF : 1465.4/20
 Left In: -0.246 ± 0.009 χ^2/NDF : 2804.3/22

Left: -0.267 ± 0.006 χ^2/NDF : 4855.1/47
 Right: -0.743 ± 0.018 χ^2/NDF : 2469.9/38
 In: -0.296 ± 0.009 χ^2/NDF : 4065.7/40
 Out: -0.352 ± 0.009 χ^2/NDF : 3884.2/45
 All: -0.324 ± 0.006 χ^2/NDF : 7970.7/86

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



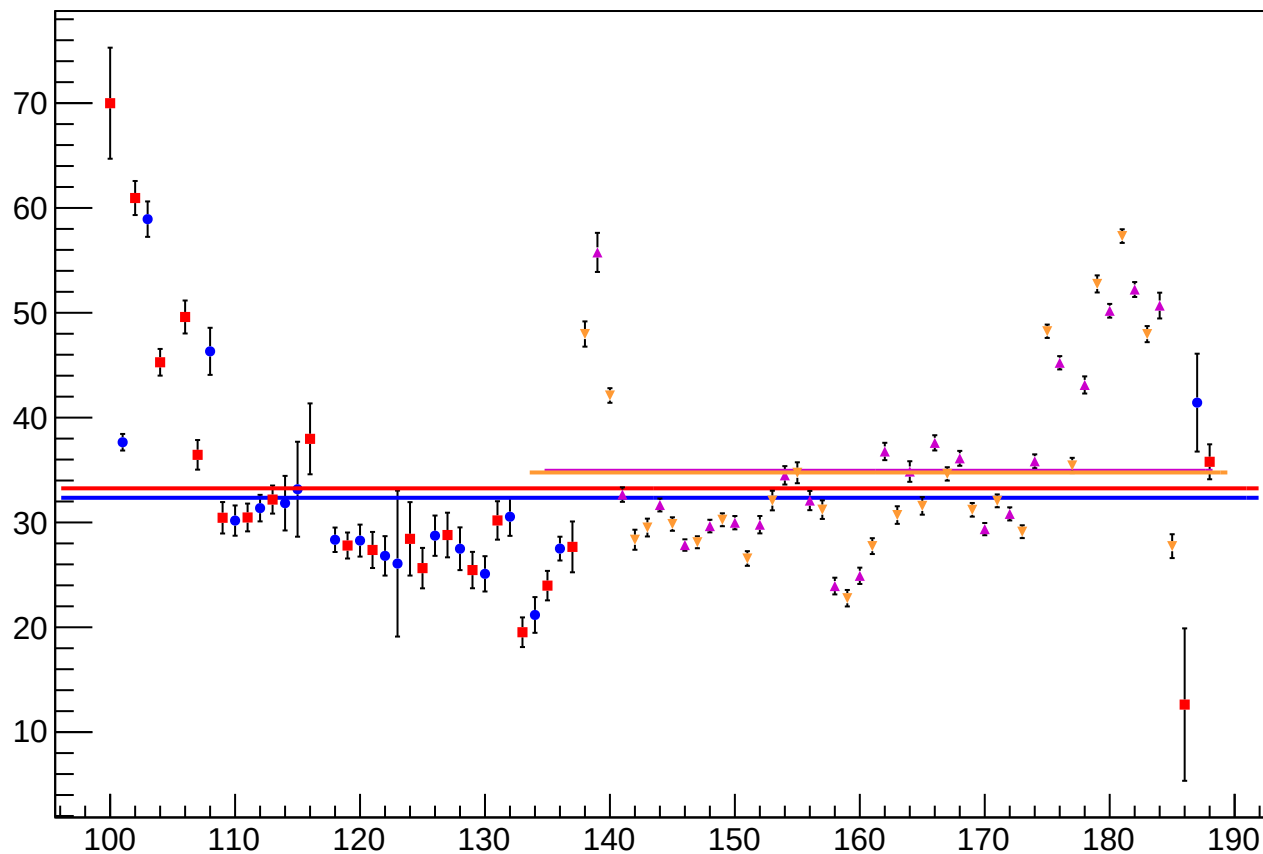
Right In: -12.681 ± 2.883 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -40.897 ± 0.186 $\chi^2/\text{NDF}: 9114.7/24$
 Right Out: -10.648 ± 1.132 $\chi^2/\text{NDF}: 54.7/1$
 Left In: -40.422 ± 0.189 $\chi^2/\text{NDF}: 7030.2/22$

Left: -40.662 ± 0.133 $\chi^2/\text{NDF}: 16148.1/47$
 Right: -10.919 ± 1.054 $\chi^2/\text{NDF}: 55.1/2$

In: -40.303 ± 0.188 $\chi^2/\text{NDF}: 7122.4/23$
 Out: -40.098 ± 0.184 $\chi^2/\text{NDF}: 9864.9/26$

All: -40.198 ± 0.132 $\chi^2/\text{NDF}: 16987.8/50$

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.353 ± 0.371 $\chi^2/\text{NDF}: 456.0/17$

Left Out: 34.768 ± 0.148 $\chi^2/\text{NDF}: 3677.3/24$

Right Out: 33.254 ± 0.369 $\chi^2/\text{NDF}: 780.7/20$

Left In: 34.928 ± 0.151 $\chi^2/\text{NDF}: 2688.4/22$

Left: 34.846 ± 0.106 $\chi^2/\text{NDF}: 6366.3/47$

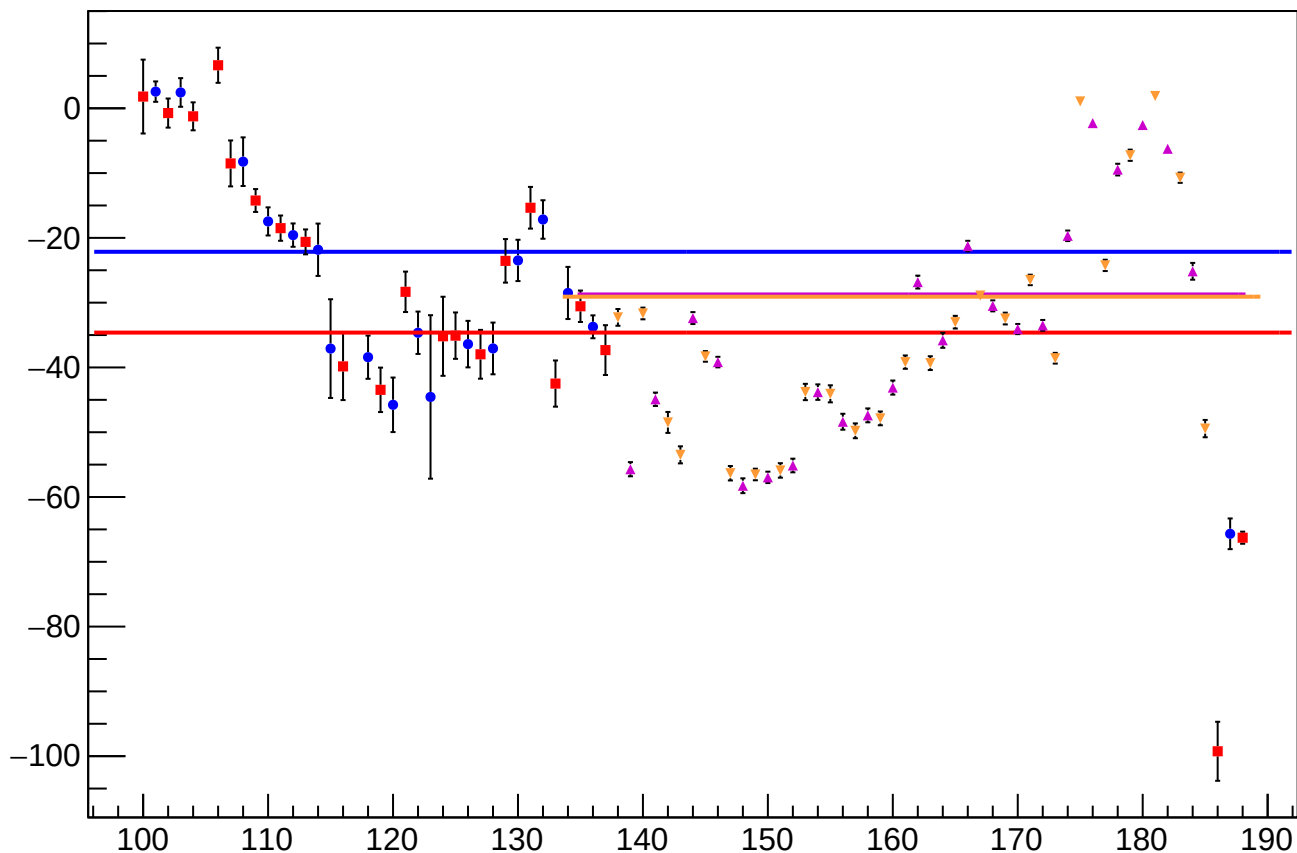
Right: 32.806 ± 0.262 $\chi^2/\text{NDF}: 1239.6/38$

In: 34.563 ± 0.140 $\chi^2/\text{NDF}: 3185.7/40$

Out: 34.559 ± 0.137 $\chi^2/\text{NDF}: 4472.5/45$

All: 34.561 ± 0.098 $\chi^2/\text{NDF}: 7658.2/86$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -22.149 ± 0.641 χ^2/NDF : 883.3/17

Left Out: -29.080 ± 0.187 χ^2/NDF : 10059.5/24

Right Out: -34.620 ± 0.526 χ^2/NDF : 2465.2/20

Left In: -28.735 ± 0.189 χ^2/NDF : 9155.5/22

Left: -28.909 ± 0.133 χ^2/NDF : 19216.6/47

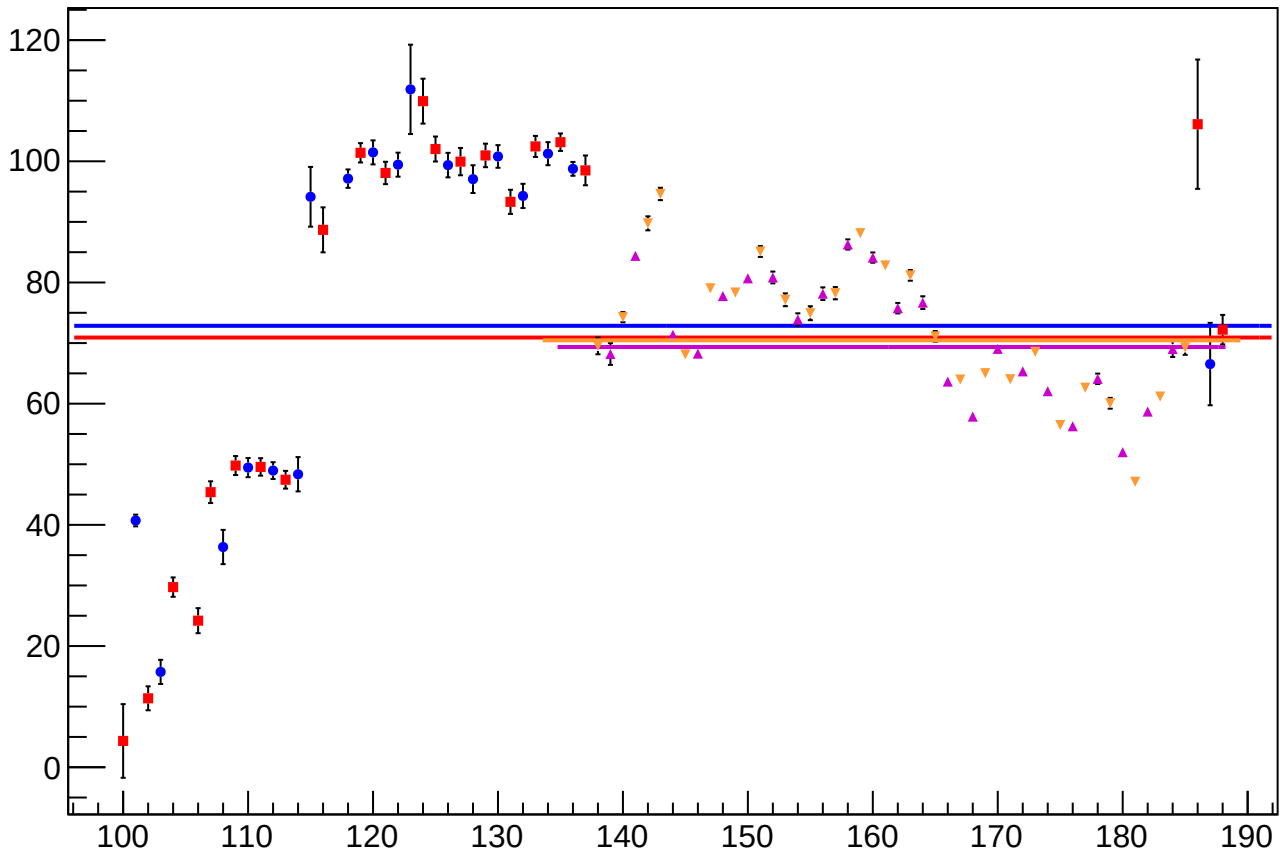
Right: -29.594 ± 0.407 χ^2/NDF : 3574.7/38

In: -28.209 ± 0.181 χ^2/NDF : 10136.0/40

Out: -29.703 ± 0.176 χ^2/NDF : 12622.9/45

All: -28.975 ± 0.126 χ^2/NDF : 22793.9/86

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.850+/-0.425 χ^2 /NDF: 4738.8/17

Left Out: 70.450+/-0.167 χ^2 /NDF: 4484.7/24

Right Out: 70.914+/-0.426 χ^2 /NDF: 5500.5/20

Left In: 69.350+/-0.170 χ^2 /NDF: 3330.7/22

Left: 69.910+/-0.119 χ^2 /NDF: 7836.8/47

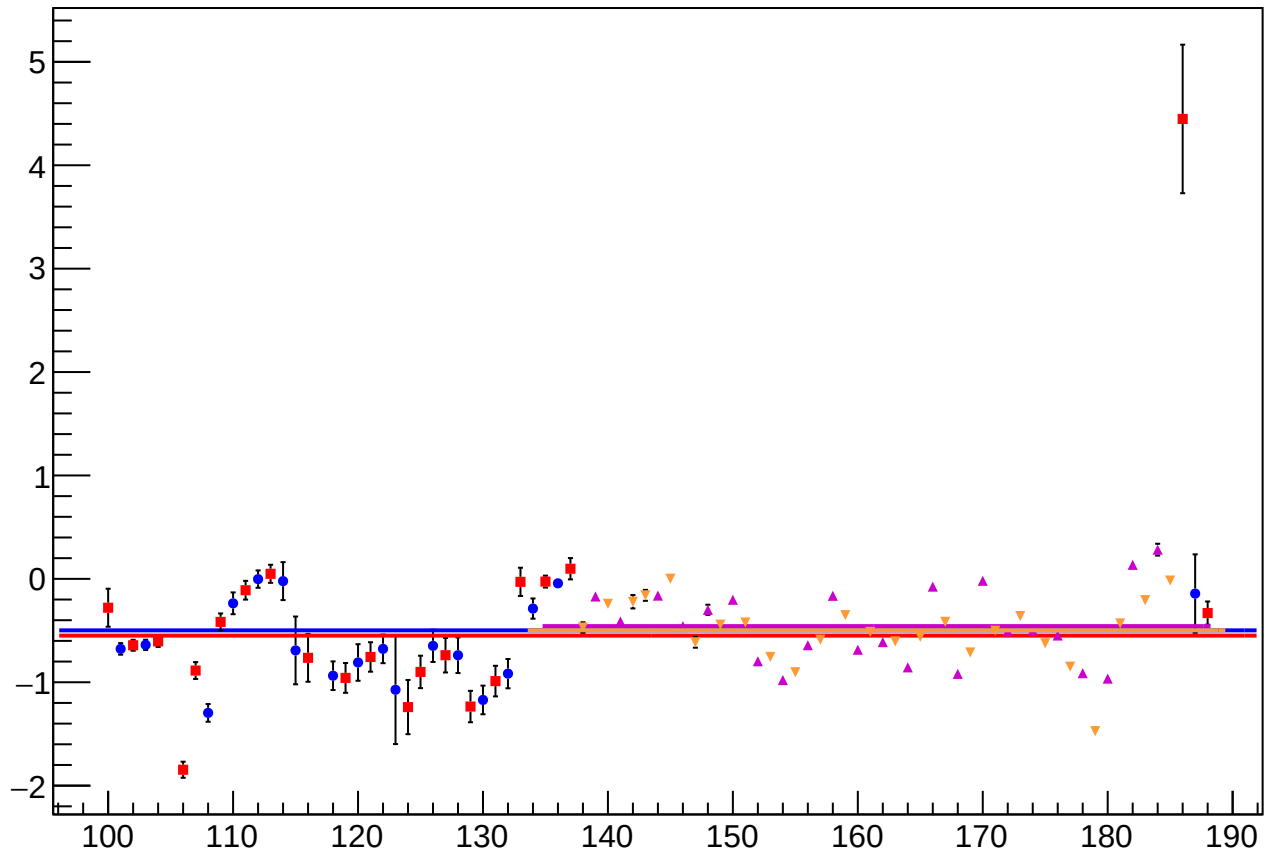
Right: 71.885+/-0.301 χ^2 /NDF: 10249.7/38

In: 69.832+/-0.158 χ^2 /NDF: 8128.0/40

Out: 70.511+/-0.155 χ^2 /NDF: 9986.2/45

All: 70.177+/-0.111 χ^2 /NDF: 18123.7/86

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.498 ± 0.022 χ^2/NDF : 304.4/17

Left Out: -0.498 ± 0.008 χ^2/NDF : 1440.7/24

Right Out: -0.549 ± 0.021 χ^2/NDF : 614.8/20

Left In: -0.457 ± 0.008 χ^2/NDF : 1975.2/22

Left: -0.478 ± 0.005 χ^2/NDF : 3430.2/47

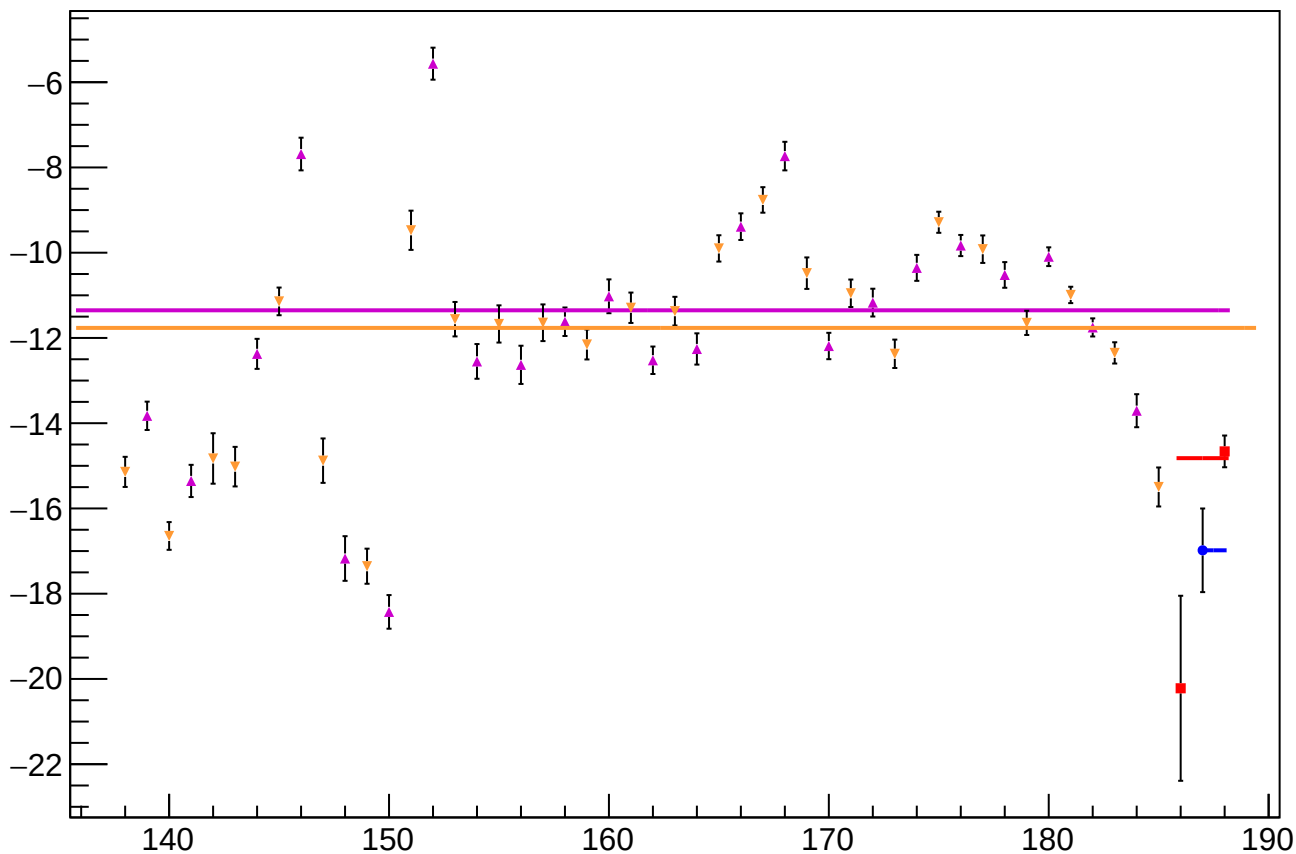
Right: -0.525 ± 0.015 χ^2/NDF : 921.9/38

In: -0.461 ± 0.007 χ^2/NDF : 2282.6/40

Out: -0.504 ± 0.007 χ^2/NDF : 2060.8/45

All: -0.483 ± 0.005 χ^2/NDF : 4360.7/86

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.982 ± 0.981 χ^2/NDF : 0.0/0
 Left Out: -11.764 ± 0.067 χ^2/NDF : 1025.9/24
 Right Out: -14.820 ± 0.367 χ^2/NDF : 6.4/1
 Left In: -11.352 ± 0.068 χ^2/NDF : 1280.6/22

Left: -11.561 ± 0.048 χ^2/NDF : 2325.4/47
 Right: -15.086 ± 0.344 χ^2/NDF : 10.6/2

In: -11.378 ± 0.068 χ^2/NDF : 1313.4/23
 Out: -11.862 ± 0.066 χ^2/NDF : 1099.4/26

All: -11.627 ± 0.047 χ^2/NDF : 2439.2/50

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

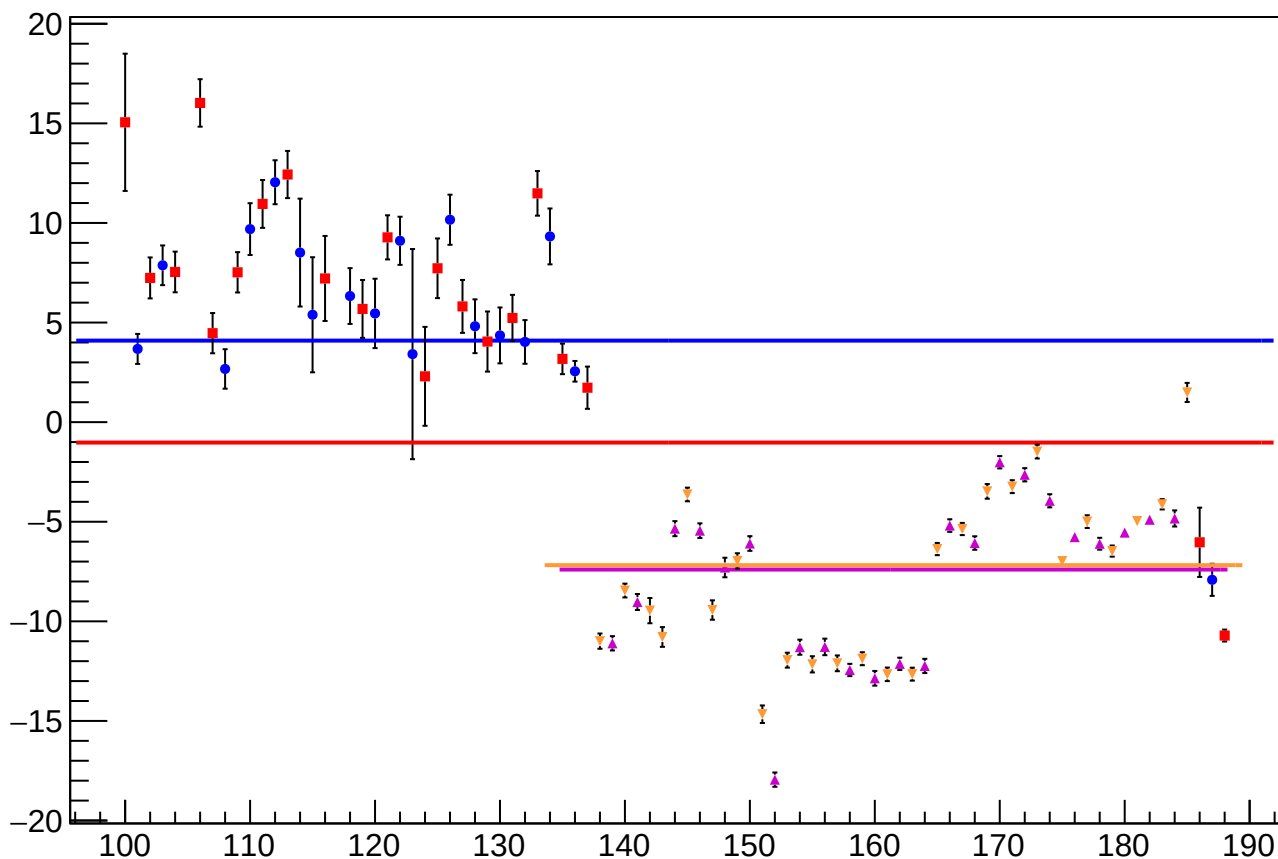


Right In: -33.987 ± 0.150 $\chi^2/\text{NDF}: 1355.3/17$
 Left Out: -30.201 ± 0.054 $\chi^2/\text{NDF}: 725.7/24$
 Right Out: -34.005 ± 0.145 $\chi^2/\text{NDF}: 1393.7/20$
 Left In: -30.128 ± 0.055 $\chi^2/\text{NDF}: 1290.4/22$

Left: -30.165 ± 0.039 $\chi^2/\text{NDF}: 2017.0/47$
 Right: -33.996 ± 0.104 $\chi^2/\text{NDF}: 2749.0/38$
 In: -30.591 ± 0.052 $\chi^2/\text{NDF}: 3228.3/40$
 Out: -30.663 ± 0.051 $\chi^2/\text{NDF}: 2723.4/45$

All: -30.628 ± 0.036 $\chi^2/\text{NDF}: 5952.7/86$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

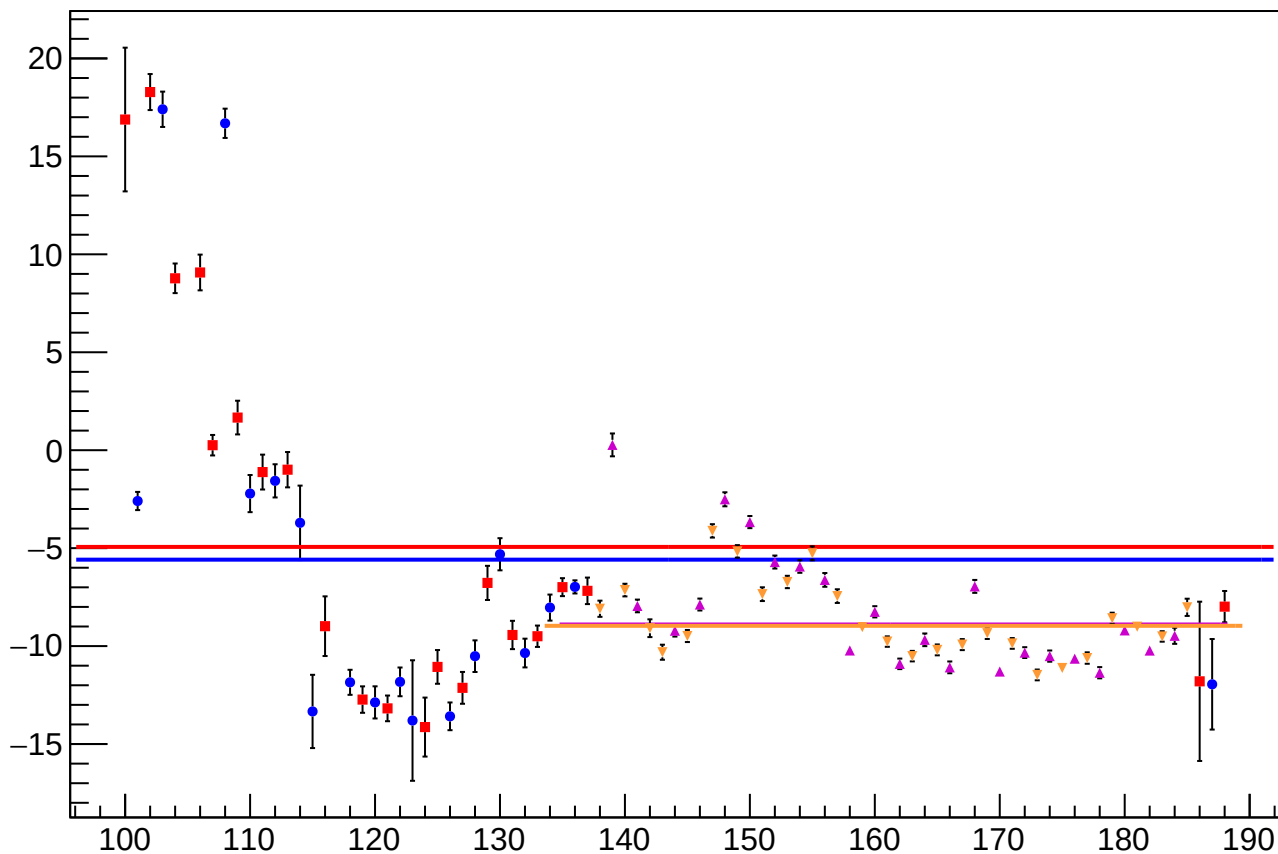


Right In: 4.094 ± 0.256 $\chi^2/\text{NDF}: 378.4/17$
 Left Out: -7.180 ± 0.067 $\chi^2/\text{NDF}: 3015.8/24$
 Right Out: -1.025 ± 0.201 $\chi^2/\text{NDF}: 2127.1/20$
 Left In: -7.400 ± 0.068 $\chi^2/\text{NDF}: 3134.9/22$

Left: -7.289 ± 0.048 $\chi^2/\text{NDF}: 6156.0/47$
 Right: 0.931 ± 0.158 $\chi^2/\text{NDF}: 2753.1/38$
 In: -6.650 ± 0.065 $\chi^2/\text{NDF}: 5402.4/40$
 Out: -6.566 ± 0.064 $\chi^2/\text{NDF}: 5986.1/45$

All: -6.607 ± 0.046 $\chi^2/\text{NDF}: 11389.4/86$

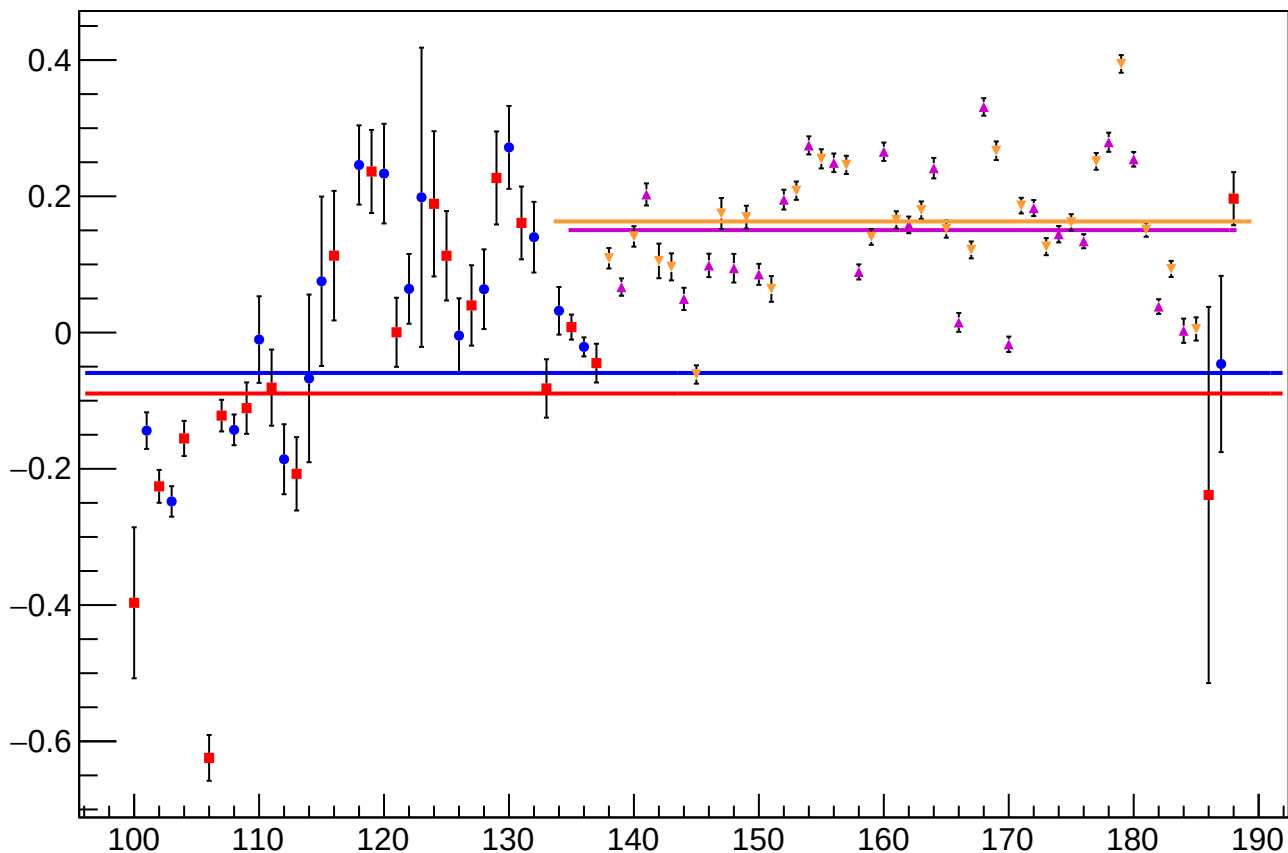
reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.588 ± 0.169 $\chi^2/\text{NDF}: 2132.9/17$
 Left Out: -8.965 ± 0.060 $\chi^2/\text{NDF}: 876.6/24$
 Right Out: -4.937 ± 0.169 $\chi^2/\text{NDF}: 2058.6/20$
 Left In: -8.898 ± 0.061 $\chi^2/\text{NDF}: 1584.0/22$

Left: -8.932 ± 0.043 $\chi^2/\text{NDF}: 2461.2/47$
 Right: -5.261 ± 0.120 $\chi^2/\text{NDF}: 4198.9/38$
 In: -8.512 ± 0.058 $\chi^2/\text{NDF}: 4054.2/40$
 Out: -8.509 ± 0.057 $\chi^2/\text{NDF}: 3440.5/45$
 All: -8.511 ± 0.040 $\chi^2/\text{NDF}: 7494.6/86$

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.059 ± 0.008 χ^2/NDF : 217.6/17

Left Out: 0.163 ± 0.003 χ^2/NDF : 1011.4/24

Right Out: -0.089 ± 0.008 χ^2/NDF : 492.1/20

Left In: 0.150 ± 0.003 χ^2/NDF : 1296.5/22

Left: 0.157 ± 0.002 χ^2/NDF : 2318.7/47

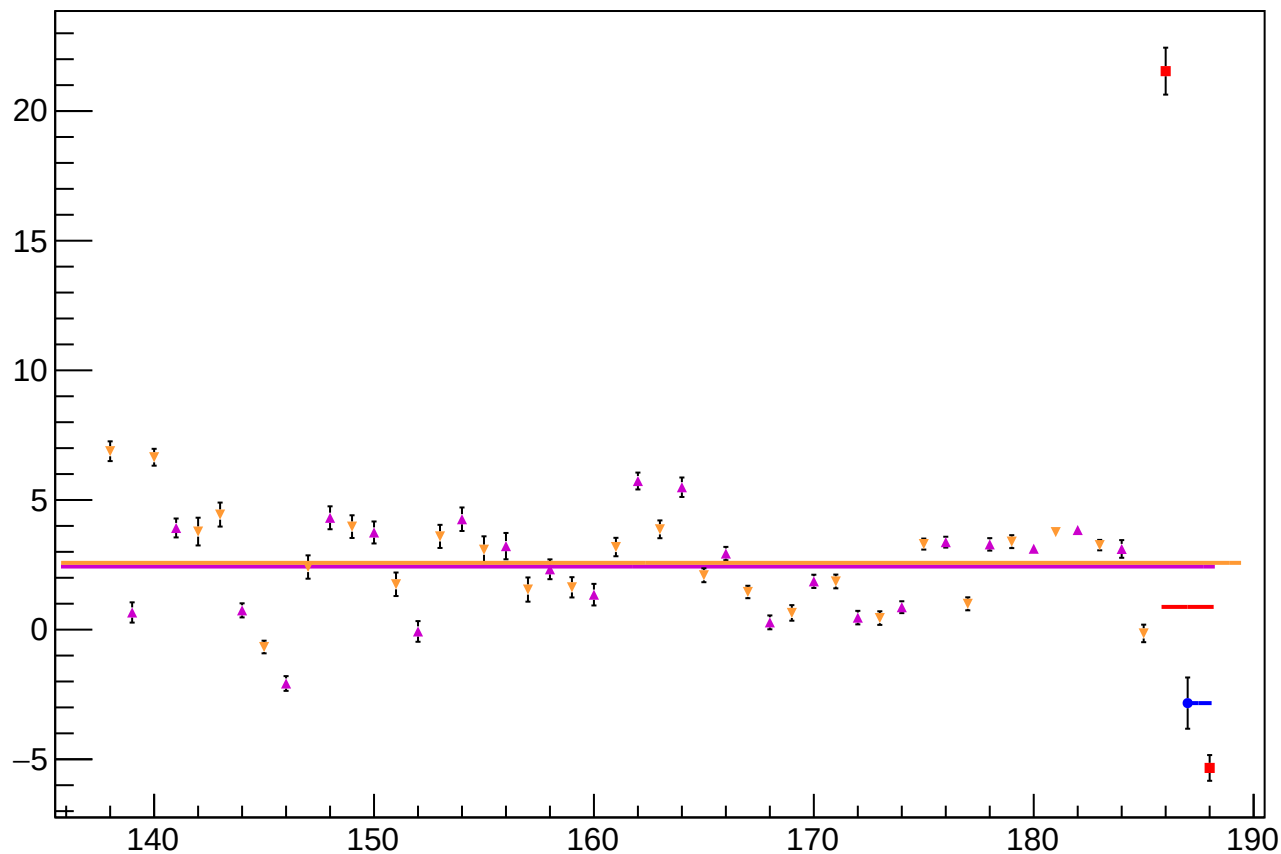
Right: -0.075 ± 0.006 χ^2/NDF : 716.3/38

In: 0.130 ± 0.003 χ^2/NDF : 2080.2/40

Out: 0.138 ± 0.003 χ^2/NDF : 2352.9/45

All: 0.134 ± 0.002 χ^2/NDF : 4437.9/86

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.834 ± 0.988 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 2.575 ± 0.058 $\chi^2/\text{NDF}: 868.1/24$

Right Out: 0.876 ± 0.435 $\chi^2/\text{NDF}: 677.5/1$

Left In: 2.433 ± 0.059 $\chi^2/\text{NDF}: 882.9/22$

Left: 2.505 ± 0.042 $\chi^2/\text{NDF}: 1754.0/47$

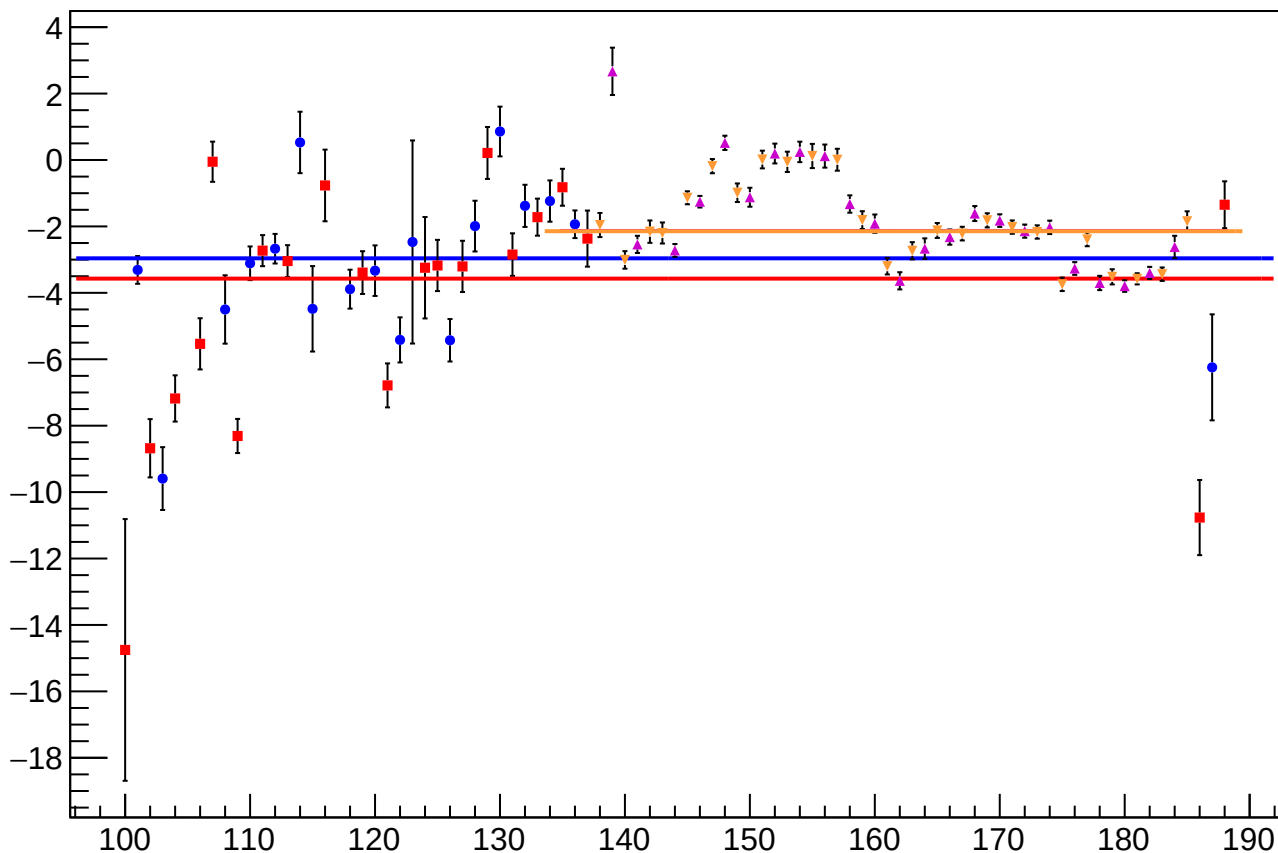
Right: 0.274 ± 0.398 $\chi^2/\text{NDF}: 689.3/2$

In: 2.414 ± 0.059 $\chi^2/\text{NDF}: 911.2/23$

Out: 2.545 ± 0.058 $\chi^2/\text{NDF}: 1560.5/26$

All: 2.481 ± 0.041 $\chi^2/\text{NDF}: 2474.3/50$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Left: -2.141 ± 0.034 $\chi^2/\text{NDF}: 1266.1/47$

Right: -3.273 ± 0.107 $\chi^2/\text{NDF}: 501.0/38$

In: -2.211 ± 0.046 $\chi^2/\text{NDF}: 870.7/40$

Out: -2.276 ± 0.045 $\chi^2/\text{NDF}: 997.1/45$

All: -2.244 ± 0.032 $\chi^2/\text{NDF}: 1868.8/86$

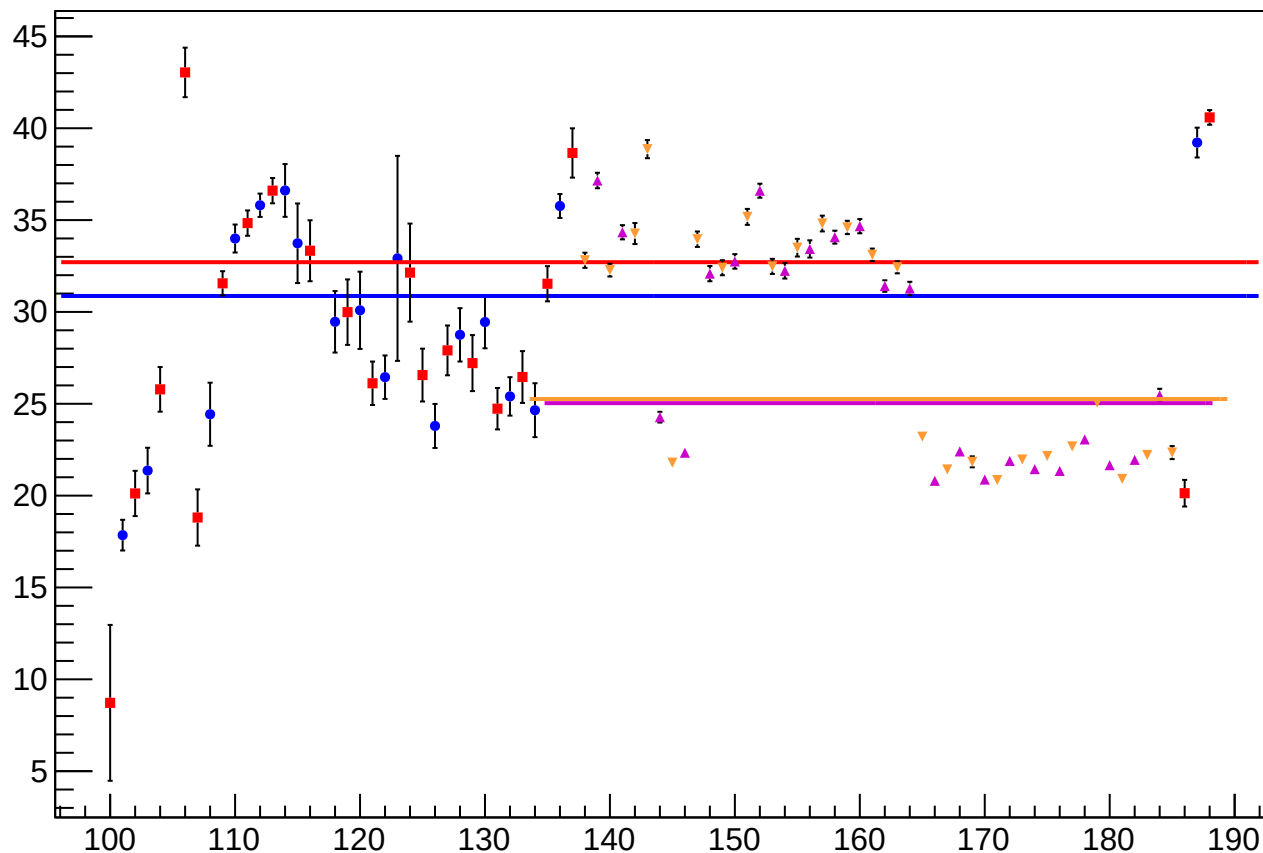
Right In: -2.961 ± 0.153 $\chi^2/\text{NDF}: 150.8/17$

Left Out: -2.145 ± 0.048 $\chi^2/\text{NDF}: 572.6/24$

Right Out: -3.572 ± 0.150 $\chi^2/\text{NDF}: 342.0/20$

Left In: -2.137 ± 0.048 $\chi^2/\text{NDF}: 693.6/22$

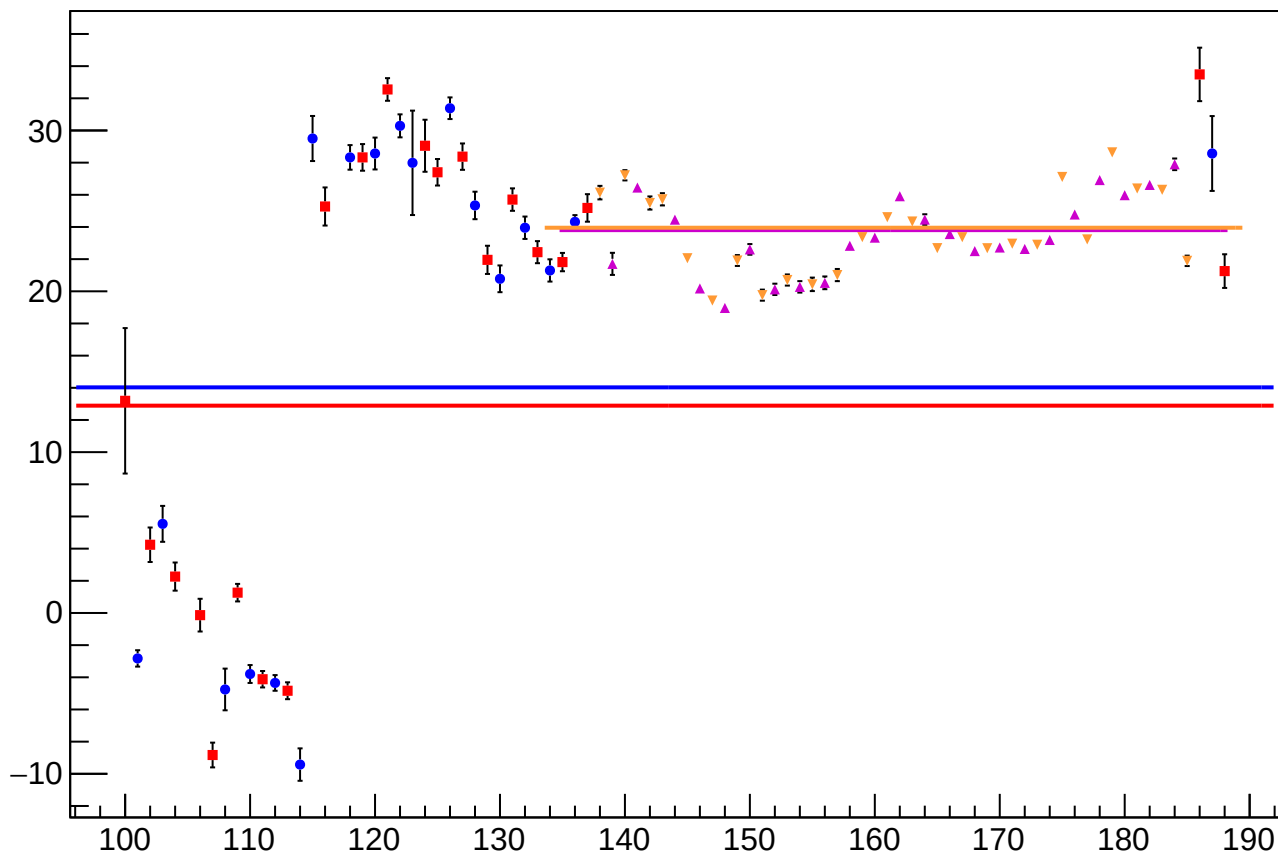
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 30.869 $\pm$ 0.253 χ^2 /NDF: 671.4/17
 Left Out: 25.258 $\pm$ 0.059 χ^2 /NDF:8135.5/24
 Right Out: 32.708 $\pm$ 0.209 χ^2 /NDF: 1212.3/20
 Left In: 25.034 $\pm$ 0.059 χ^2 /NDF:7690.0/22

Left: 25.147 $\pm$ 0.042 χ^2 /NDF: 15832.7/47
 Right: 31.964 $\pm$ 0.161 χ^2 /NDF: 1915.1/38
 In: 25.338 $\pm$ 0.058 χ^2 /NDF:8864.0/40
 Out: 25.808 $\pm$ 0.057 χ^2 /NDF:10527.6/45
 All: 25.577 $\pm$ 0.040 χ^2 /NDF: 19425.4/86

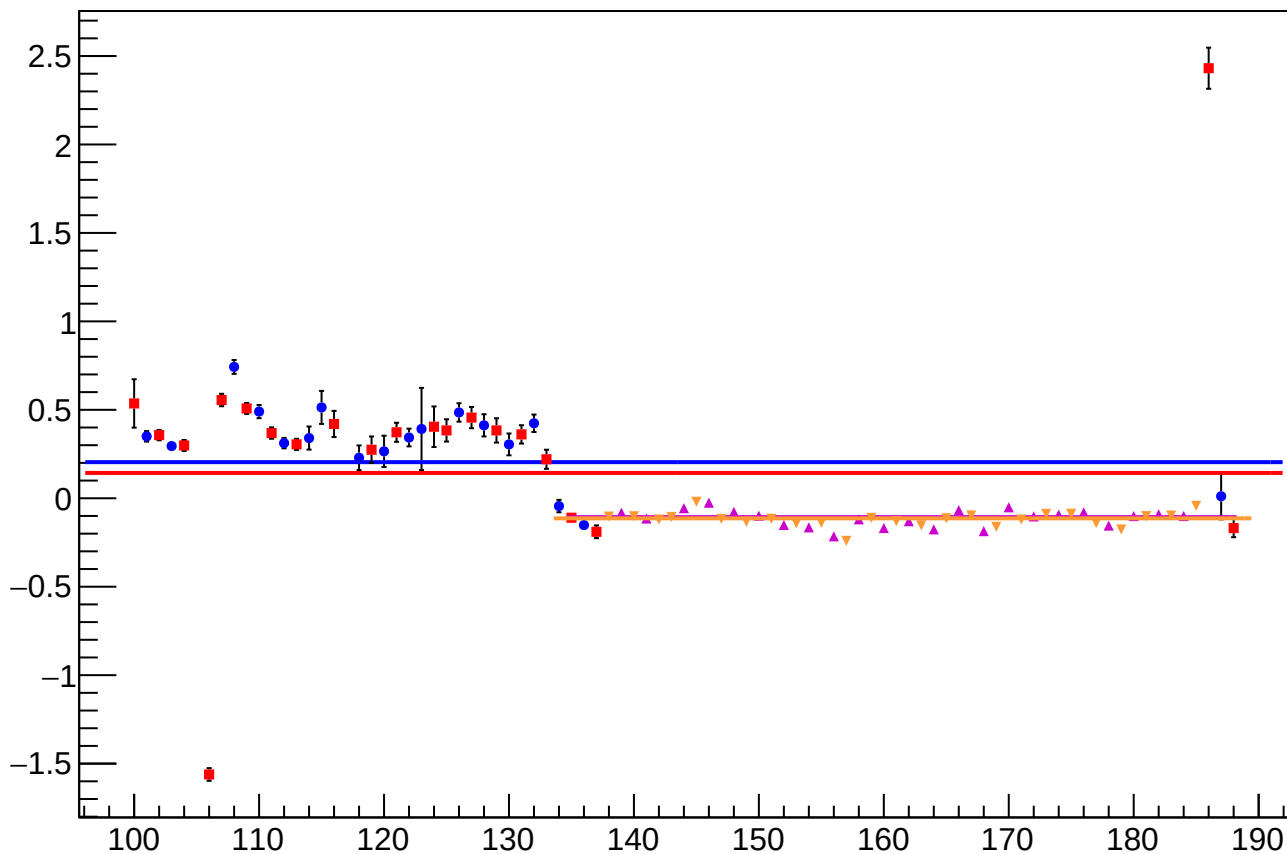
reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.028 $\pm$ 0.171 χ^2 /NDF: 7431.1/17
 Left Out: 23.953 $\pm$ 0.053 χ^2 /NDF:1915.9/24
 Right Out: 12.890 $\pm$ 0.170 χ^2 /NDF: 7187.1/20
 Left In: 23.804 $\pm$ 0.054 χ^2 /NDF:1760.4/22

Left: 23.880 $\pm$ 0.038 χ^2 /NDF: 3680.1/47
 Right: 13.455 $\pm$ 0.121 χ^2 /NDF: 14640.4/38
 In: 22.926 $\pm$ 0.051 χ^2 /NDF:12149.6/40
 Out: 22.971 $\pm$ 0.051 χ^2 /NDF:12942.5/45
 All: 22.948 $\pm$ 0.036 χ^2 /NDF: 25092.5/86

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.204 ± 0.009 $\chi^2/\text{NDF}: 848.3/17$

Left Out: -0.114 ± 0.002 $\chi^2/\text{NDF}: 290.8/24$

Right Out: 0.143 ± 0.009 $\chi^2/\text{NDF}: 3441.2/20$

Left In: -0.107 ± 0.002 $\chi^2/\text{NDF}: 322.0/22$

Left: -0.110 ± 0.002 $\chi^2/\text{NDF}: 616.8/47$

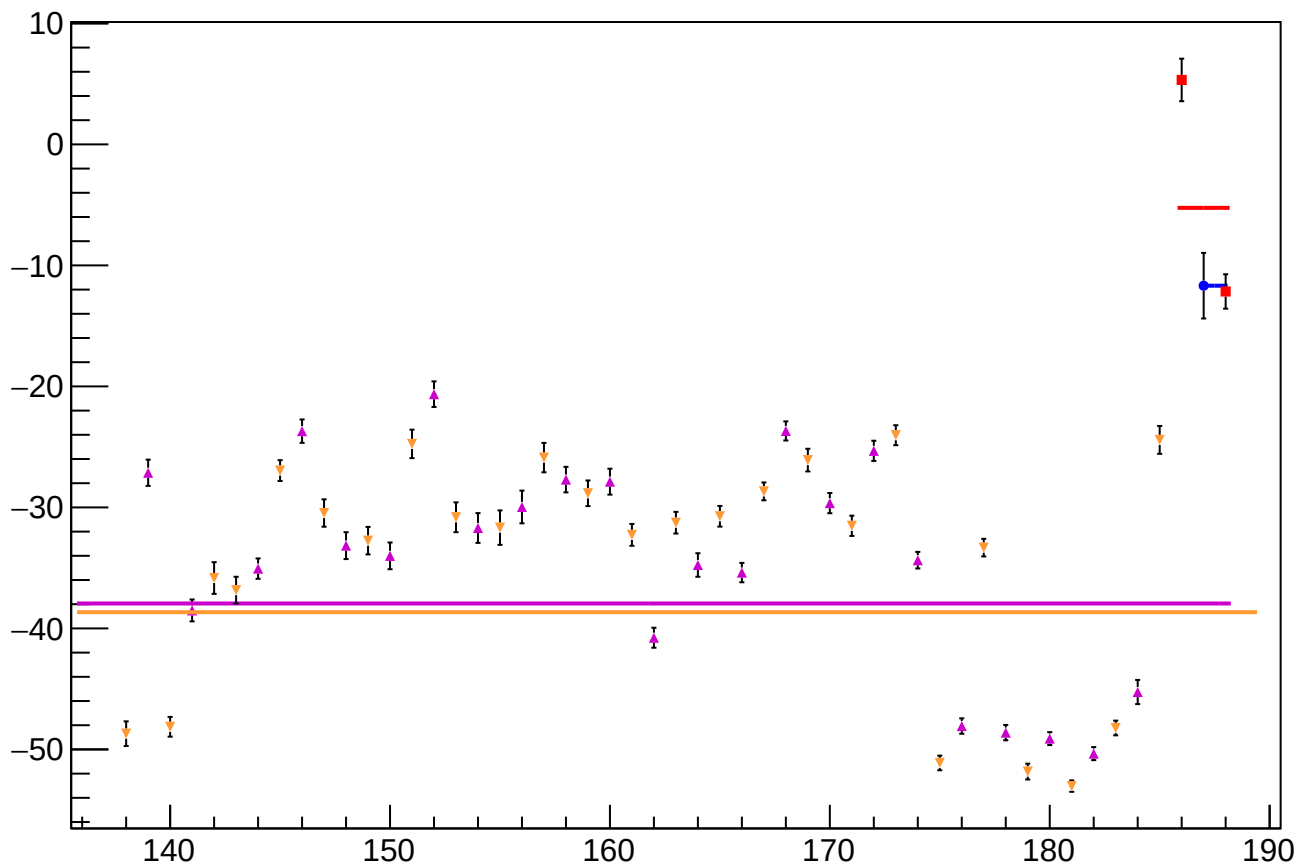
Right: 0.173 ± 0.006 $\chi^2/\text{NDF}: 4311.5/38$

In: -0.087 ± 0.002 $\chi^2/\text{NDF}: 2207.0/40$

Out: -0.096 ± 0.002 $\chi^2/\text{NDF}: 4487.0/45$

All: -0.091 ± 0.002 $\chi^2/\text{NDF}: 6702.4/86$

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



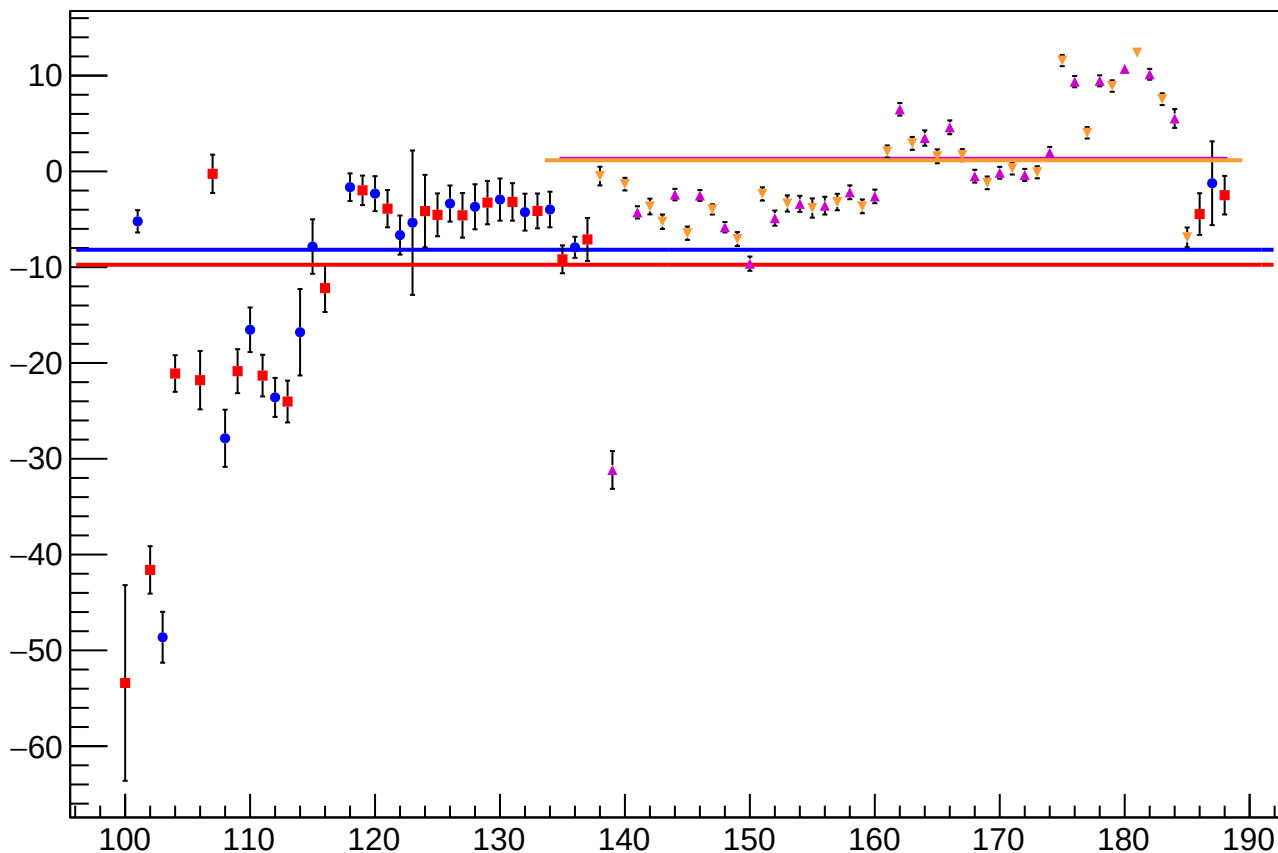
Right In: -11.678 ± 2.711 χ^2/NDF : 0.0/0
 Left Out: -38.660 ± 0.169 χ^2/NDF : 4073.8/24
 Right Out: -5.243 ± 1.105 χ^2/NDF : 59.8/1
 Left In: -37.939 ± 0.173 χ^2/NDF : 3133.2/22

Left: -38.306 ± 0.121 χ^2/NDF : 7216.0/47
 Right: -6.160 ± 1.023 χ^2/NDF : 64.7/2

In: -37.833 ± 0.172 χ^2/NDF : 3226.7/23
 Out: -37.893 ± 0.167 χ^2/NDF : 5027.2/26

All: -37.864 ± 0.120 χ^2/NDF : 8253.9/50

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.179 ± 0.460 χ^2/NDF : 414.7/17

Left Out: 1.163 ± 0.136 χ^2/NDF : 1786.1/24

Right Out: -9.745 ± 0.466 χ^2/NDF : 449.4/20

Left In: 1.319 ± 0.139 χ^2/NDF : 2080.7/22

Left: 1.239 ± 0.097 χ^2/NDF : 3867.4/47

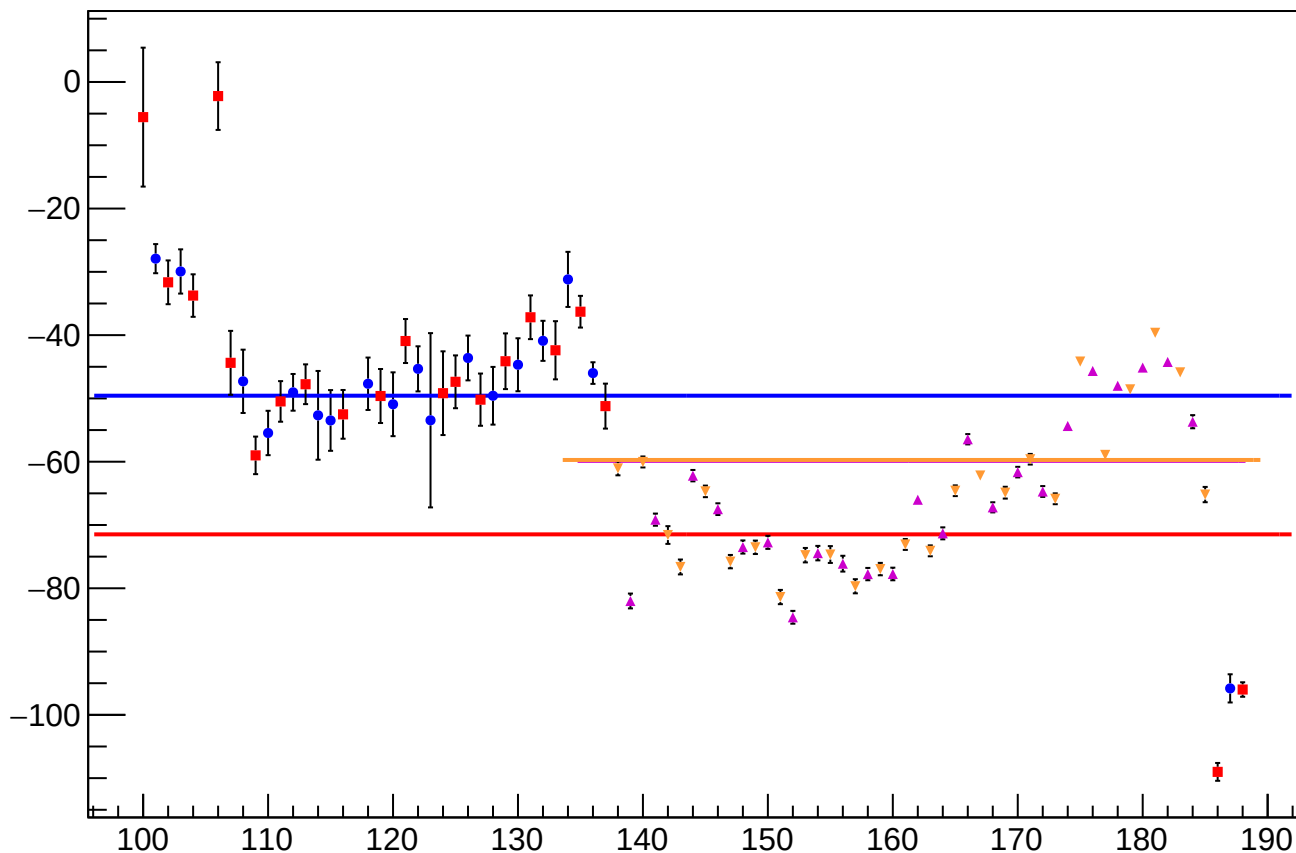
Right: -8.951 ± 0.327 χ^2/NDF : 869.7/38

In: 0.518 ± 0.133 χ^2/NDF : 2886.5/40

Out: 0.304 ± 0.131 χ^2/NDF : 2739.8/45

All: 0.409 ± 0.093 χ^2/NDF : 5627.6/86

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -49.569 ± 0.781 χ^2/NDF : 590.7/17

Left Out: -59.724 ± 0.170 χ^2/NDF : 5789.8/24

Right Out: -71.480 ± 0.620 χ^2/NDF : 2382.2/20

Left In: -59.864 ± 0.173 χ^2/NDF : 5275.1/22

Left: -59.793 ± 0.121 χ^2/NDF : 11065.1/47

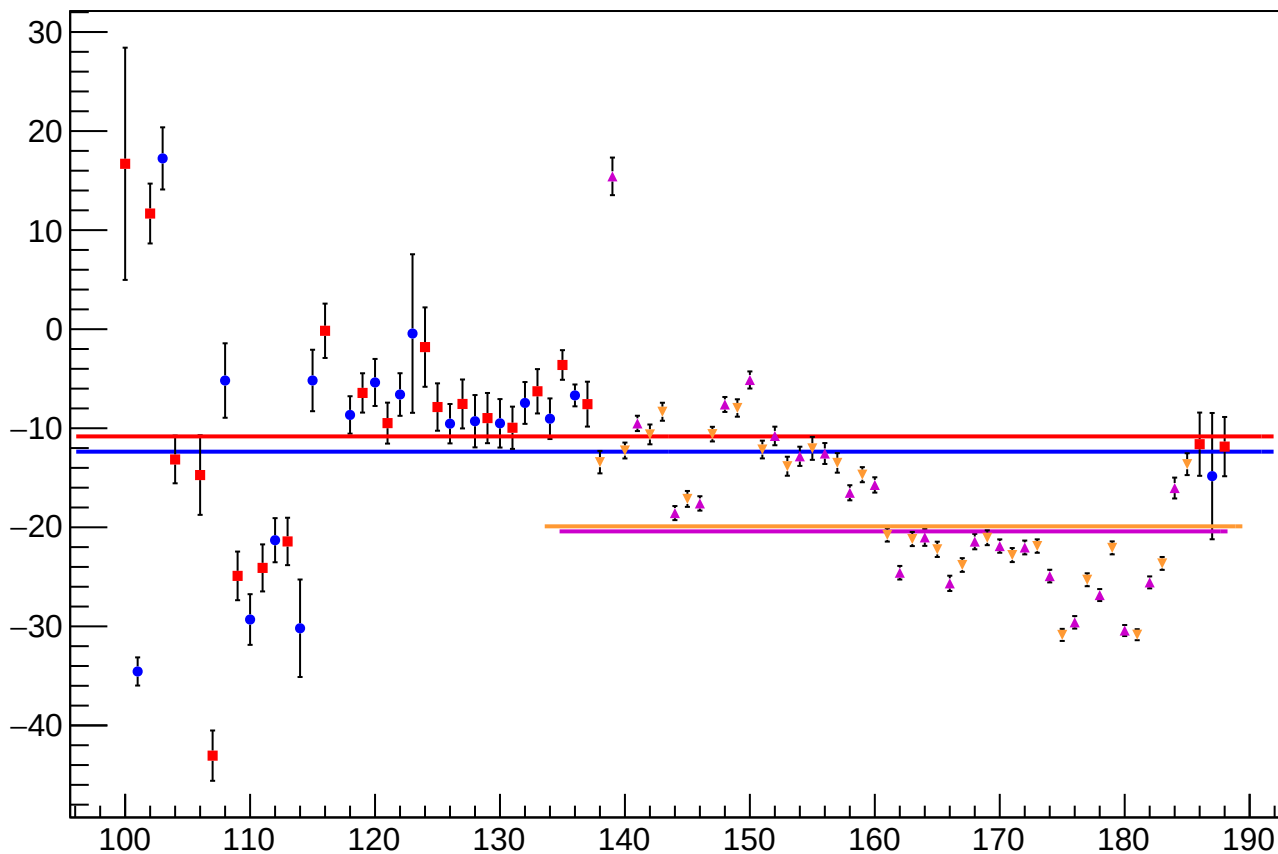
Right: -63.006 ± 0.486 χ^2/NDF : 3455.2/38

In: -59.385 ± 0.169 χ^2/NDF : 6031.3/40

Out: -60.549 ± 0.164 χ^2/NDF : 8505.7/45

All: -59.982 ± 0.118 χ^2/NDF : 14561.5/86

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.364 ± 0.518 χ^2/NDF : 476.1/17

Left Out: -19.902 ± 0.153 χ^2/NDF : 1904.7/24

Right Out: -10.824 ± 0.537 χ^2/NDF : 366.8/20

Left In: -20.412 ± 0.156 χ^2/NDF : 2345.4/22

Left: -20.152 ± 0.109 χ^2/NDF : 4255.5/47

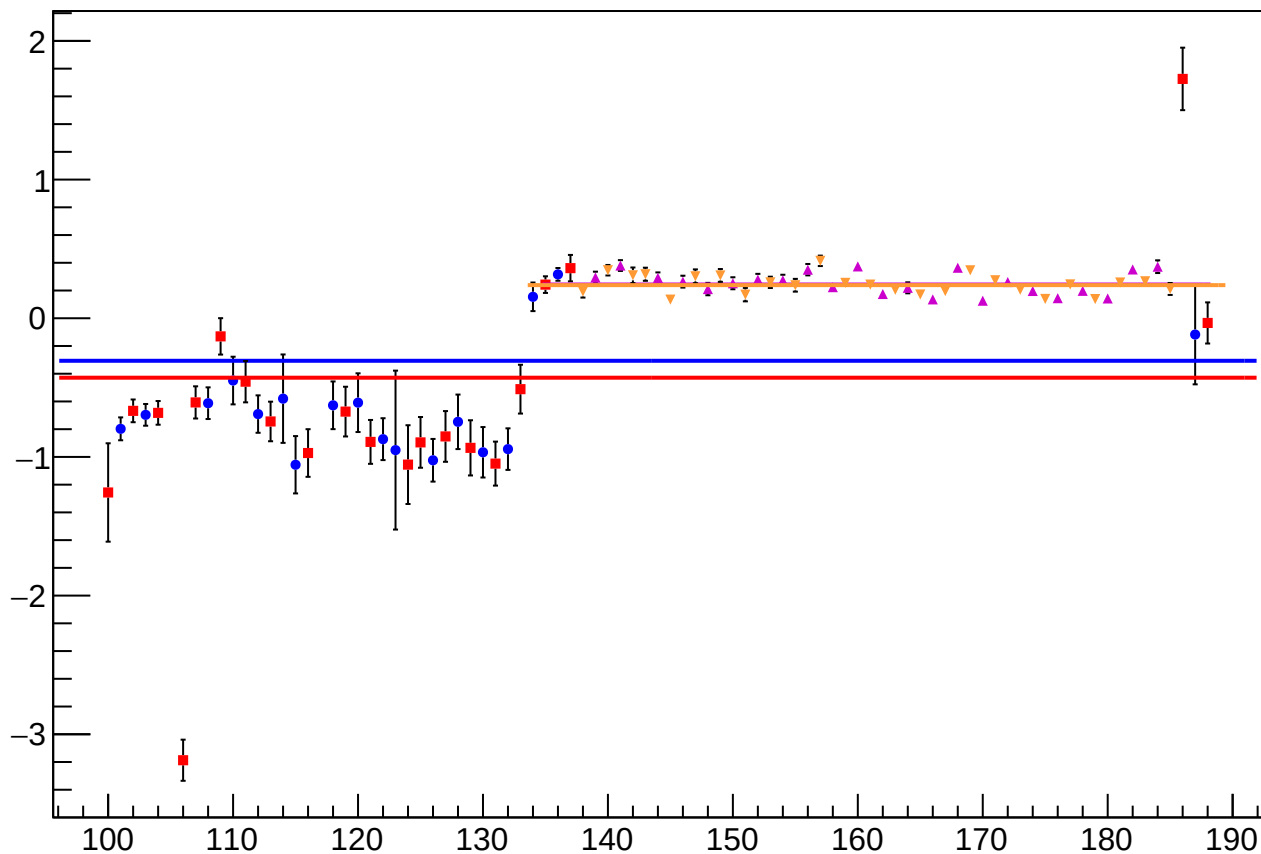
Right: -11.621 ± 0.373 χ^2/NDF : 847.2/38

In: -19.741 ± 0.150 χ^2/NDF : 3042.8/40

Out: -19.219 ± 0.147 χ^2/NDF : 2536.2/45

All: -19.476 ± 0.105 χ^2/NDF : 5585.1/86

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.307 ± 0.027 χ^2/NDF : 372.7/17

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.5/24

Right Out: -0.429 ± 0.028 χ^2/NDF : 732.8/20

Left In: 0.243 ± 0.007 χ^2/NDF : 139.2/22

Left: 0.241 ± 0.005 χ^2/NDF : 232.9/47

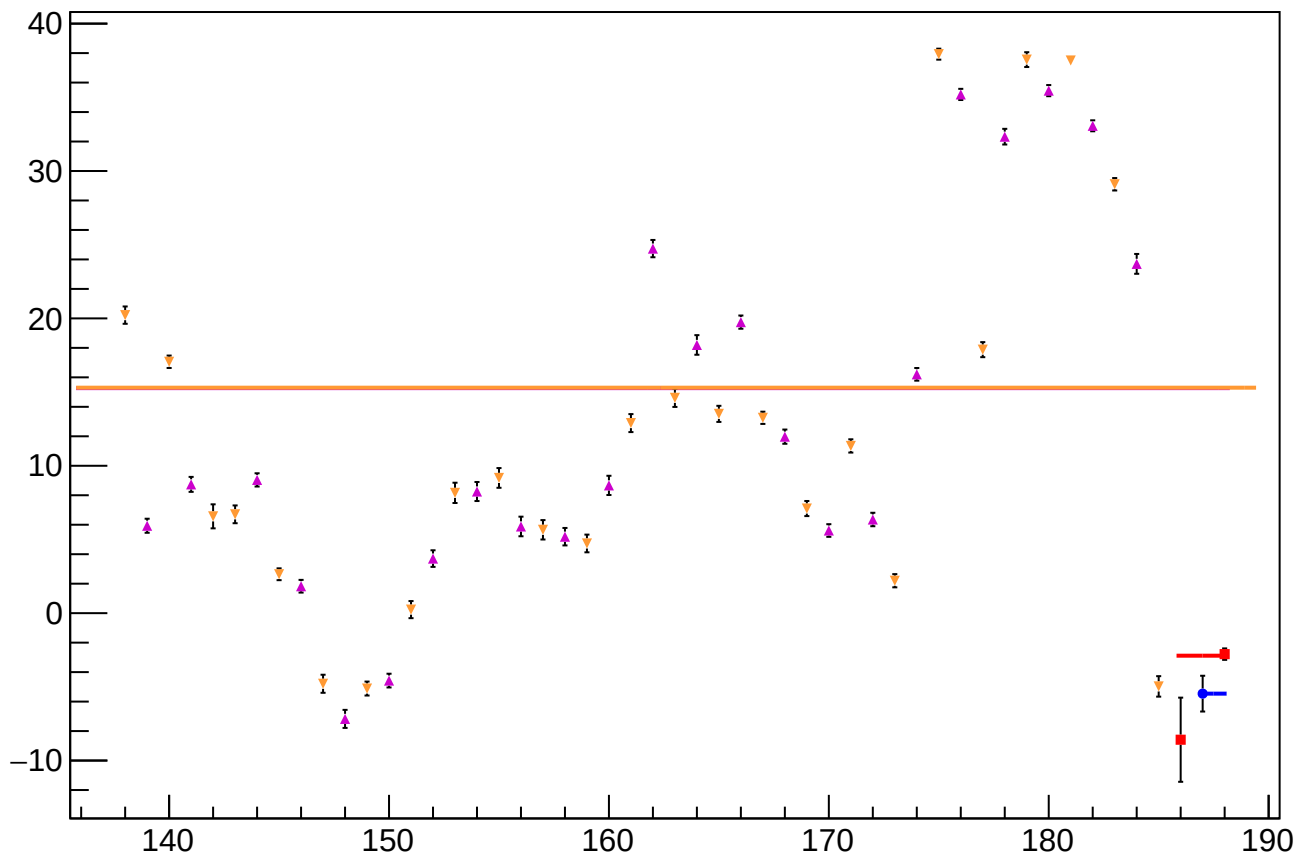
Right: -0.367 ± 0.020 χ^2/NDF : 1115.2/38

In: 0.208 ± 0.007 χ^2/NDF : 888.5/40

Out: 0.199 ± 0.007 χ^2/NDF : 1368.0/45

All: 0.203 ± 0.005 χ^2/NDF : 2257.5/86

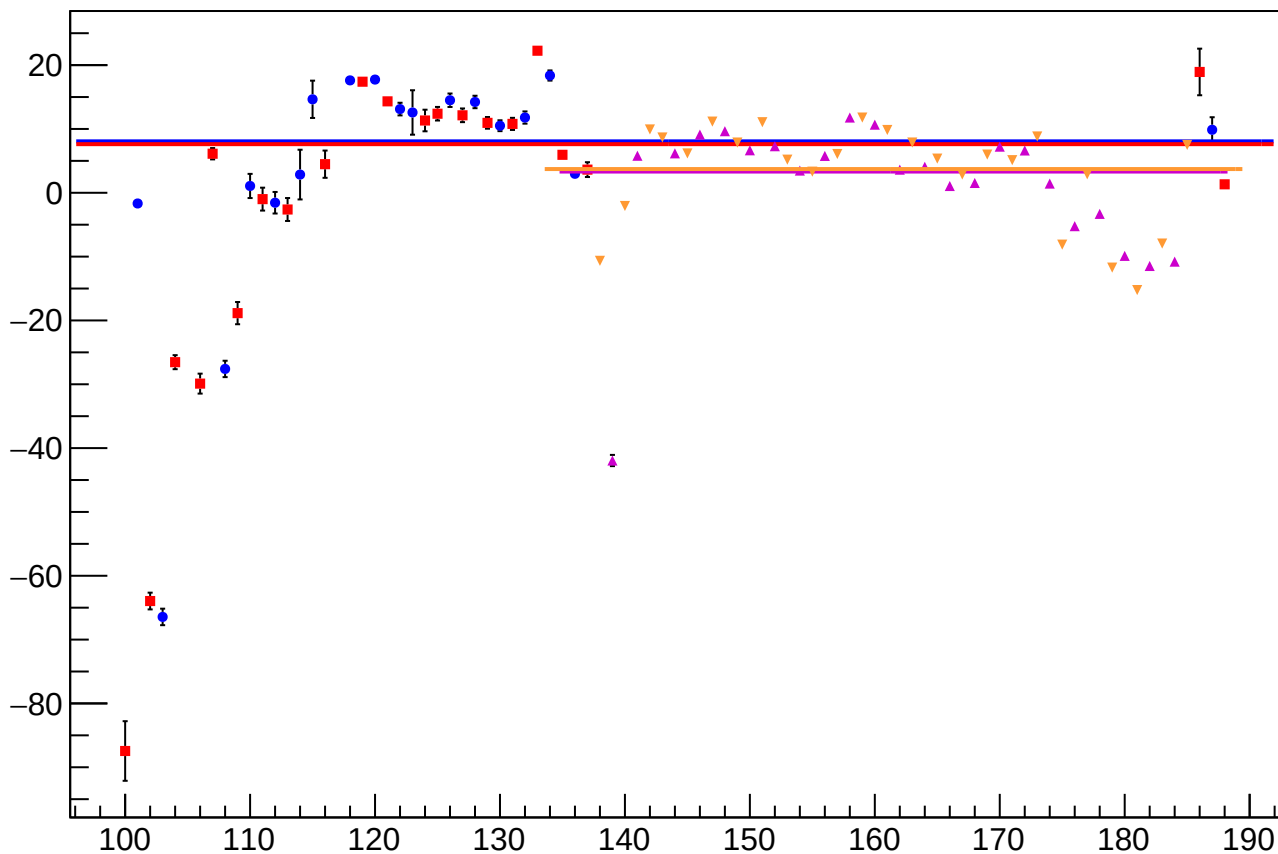
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.461 $\pm$ 1.214 χ^2 /NDF: 0.0/0
 Left Out: 15.298 $\pm$ 0.101 χ^2 /NDF:19135.0/24
 Right Out: -2.886 $\pm$ 0.385 χ^2 /NDF: 4.1/1
 Left In: 15.268 $\pm$ 0.102 χ^2 /NDF:16406.3/22

Left: 15.283 $\pm$ 0.072 χ^2 /NDF: 35541.3/47
 Right: -3.122 $\pm$ 0.367 χ^2 /NDF: 8.2/2
 In: 15.122 $\pm$ 0.102 χ^2 /NDF:16695.9/23
 Out: 14.136 $\pm$ 0.097 χ^2 /NDF:21223.6/26
 All: 14.608 $\pm$ 0.070 χ^2 /NDF: 37968.4/50

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.057 ± 0.214 $\chi^2/\text{NDF}: 5370.3/17$

Left Out: 3.717 ± 0.079 $\chi^2/\text{NDF}: 9201.0/24$

Right Out: 7.617 ± 0.200 $\chi^2/\text{NDF}: 6850.4/20$

Left In: 3.327 ± 0.081 $\chi^2/\text{NDF}: 8830.5/22$

Left: 3.527 ± 0.057 $\chi^2/\text{NDF}: 18043.4/47$

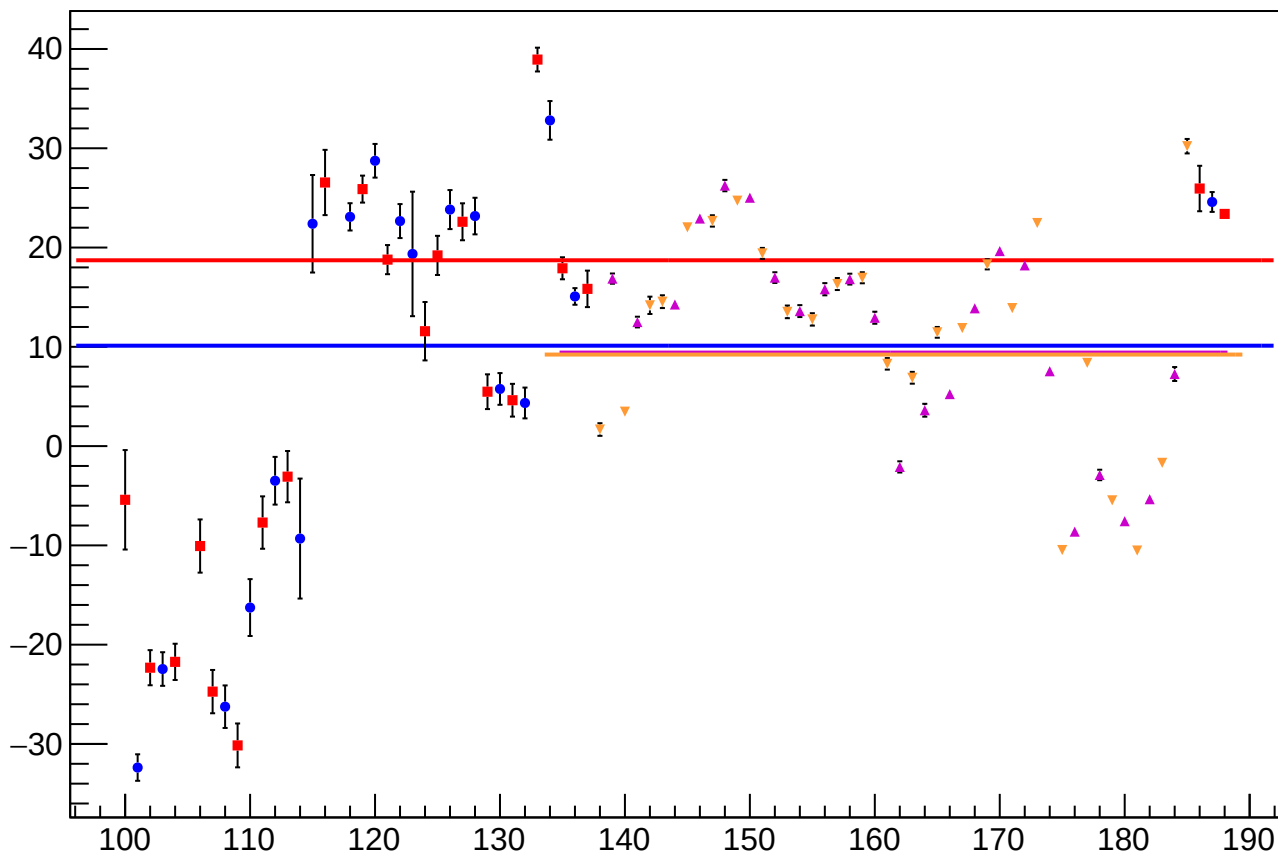
Right: 7.822 ± 0.146 $\chi^2/\text{NDF}: 12222.9/38$

In: 3.920 ± 0.076 $\chi^2/\text{NDF}: 14628.7/40$

Out: 4.245 ± 0.073 $\chi^2/\text{NDF}: 16381.5/45$

All: 4.088 ± 0.053 $\chi^2/\text{NDF}: 31019.7/86$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.114 $\pm$ 0.384 χ^2 /NDF: 2571.6/17

Left Out: 9.220 $\pm$ 0.101 χ^2 /NDF:13617.0/24

Right Out: 18.717 $\pm$ 0.250 χ^2 /NDF: 2915.9/20

Left In: 9.420 $\pm$ 0.102 χ^2 /NDF:12078.1/22

Left: 9.319 $\pm$ 0.072 χ^2 /NDF: 25697.1/47

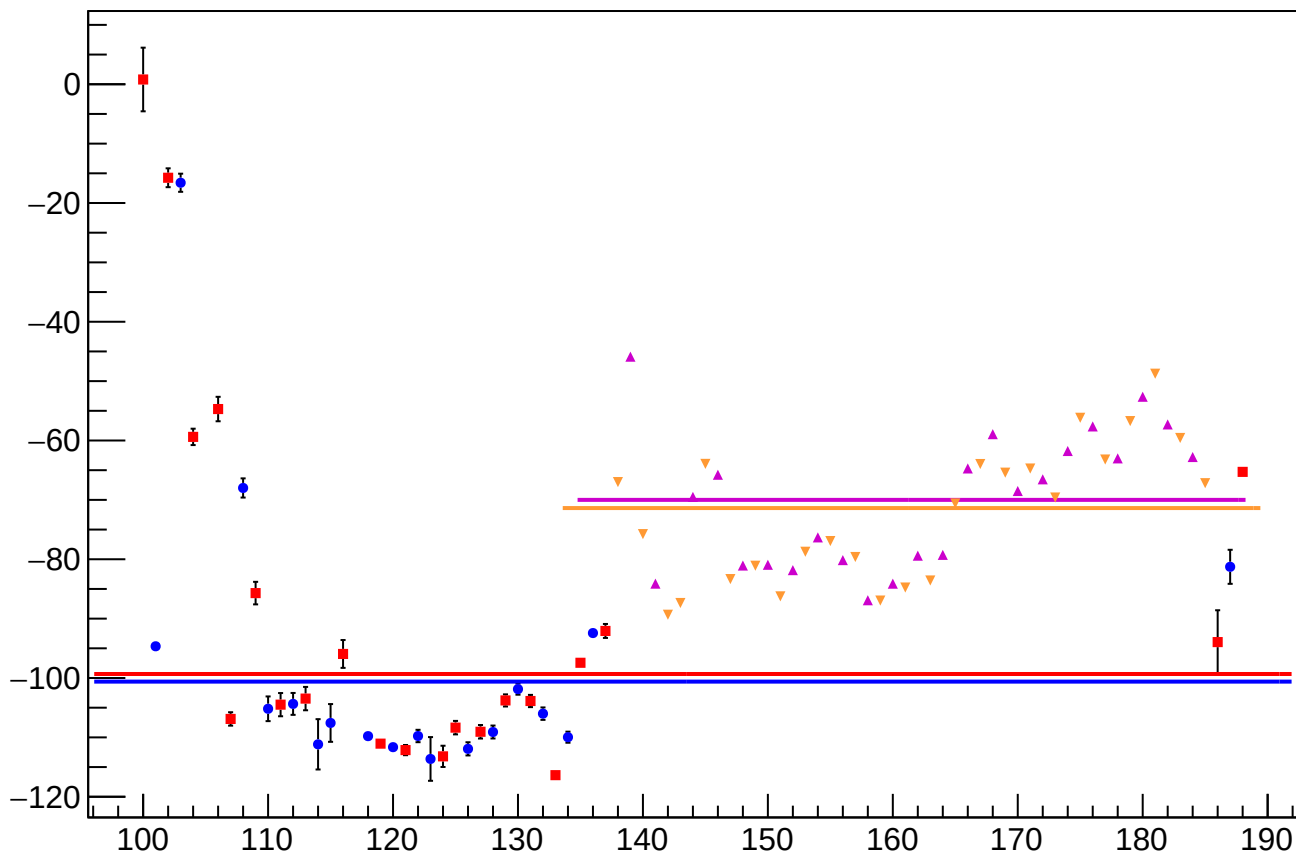
Right: 16.156 $\pm$ 0.209 χ^2 /NDF: 5840.3/38

In: 9.466 $\pm$ 0.099 χ^2 /NDF:14652.8/40

Out: 10.555 $\pm$ 0.094 χ^2 /NDF:17773.8/45

All: 10.038 $\pm$ 0.068 χ^2 /NDF: 32490.8/86

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.608+/-0.247 χ^2/NDF : 4568.5/17

Left Out: -71.379+/-0.089 χ^2/NDF : 16226.2/24

Right Out: -99.324+/-0.236 χ^2/NDF : 7925.9/20

Left In: -69.999+/-0.091 χ^2/NDF : 13188.0/22

Left: -70.704+/-0.064 χ^2/NDF : 29530.5/47

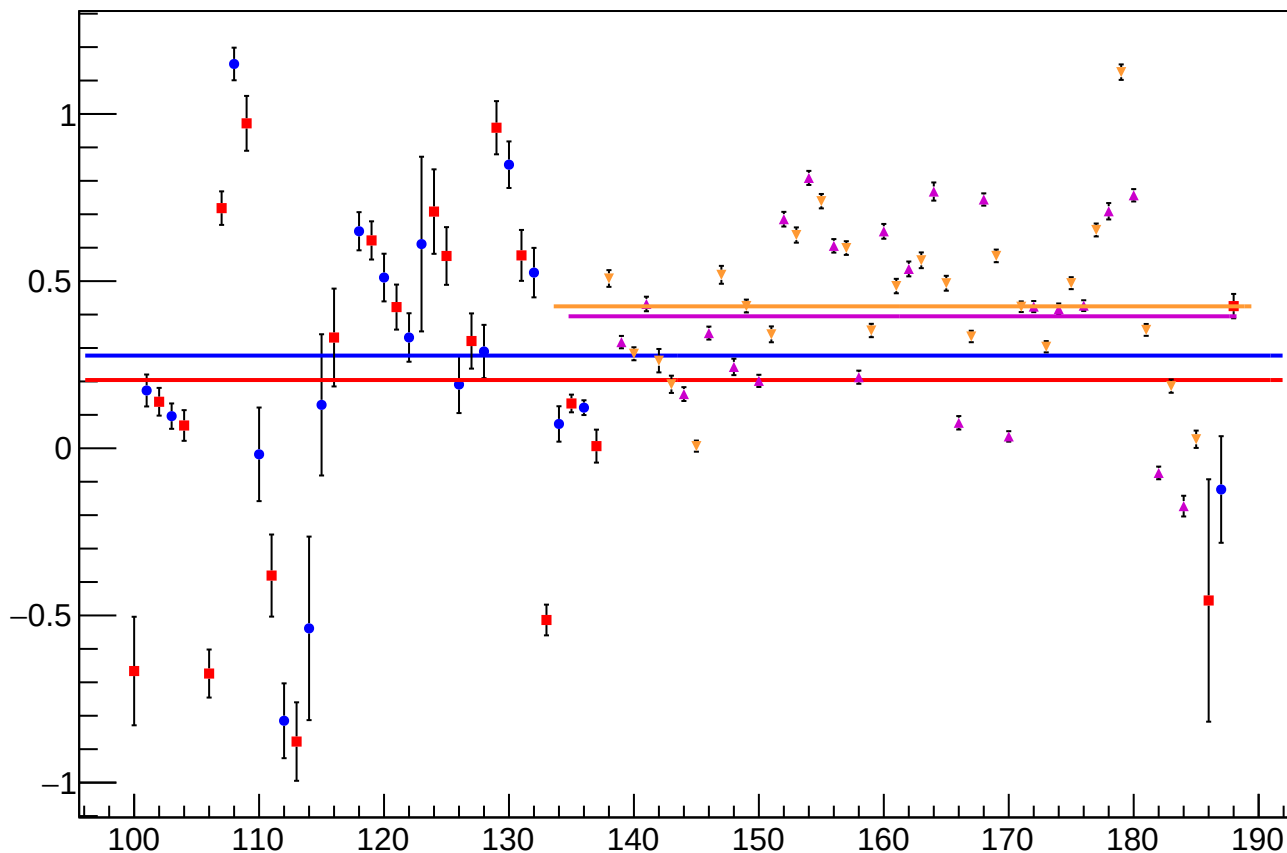
Right: -99.936+/-0.171 χ^2/NDF : 12508.5/38

In: -73.684+/-0.086 χ^2/NDF : 31255.5/40

Out: -74.898+/-0.084 χ^2/NDF : 36433.5/45

All: -74.306+/-0.060 χ^2/NDF : 67791.8/86

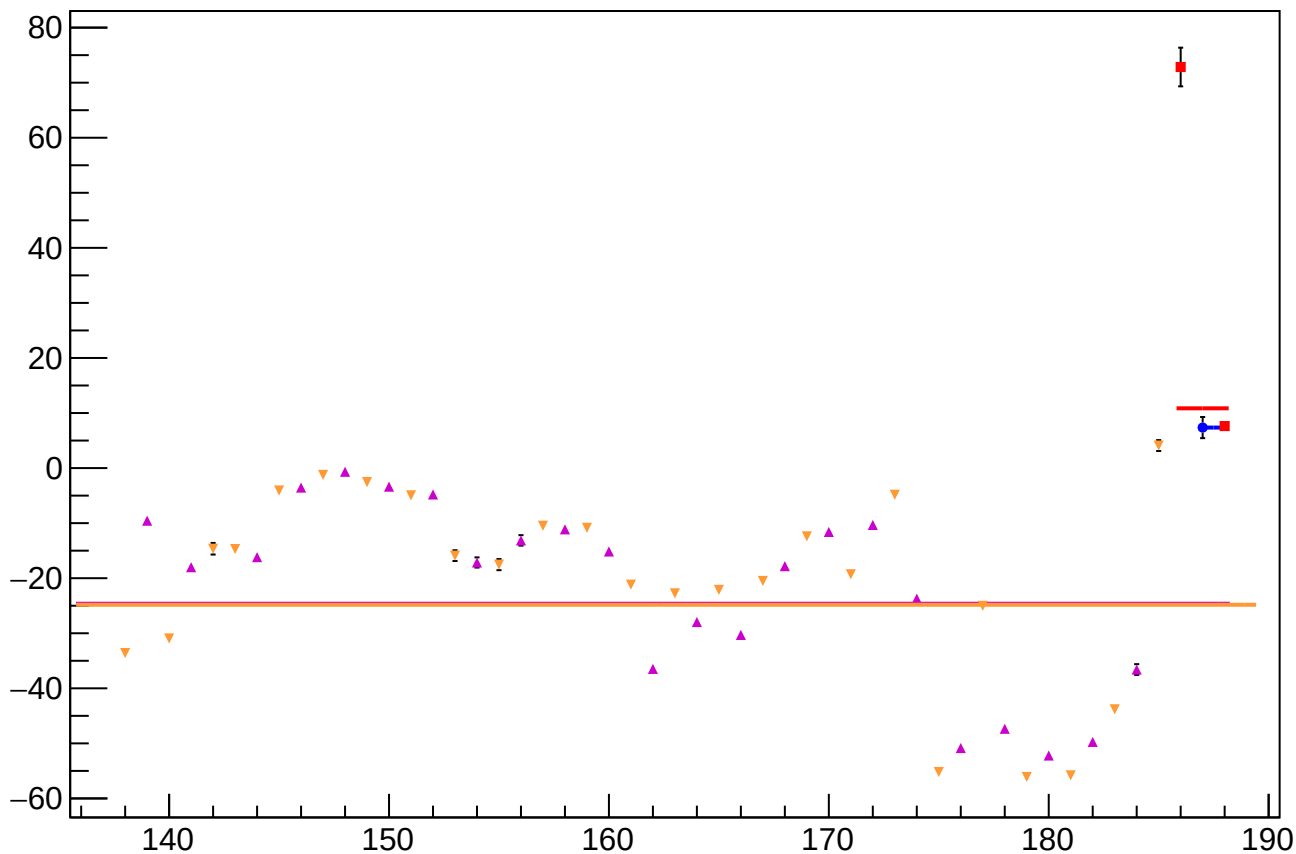
reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.277 $\pm$ 0.013 χ^2 /NDF: 662.3/17
 Left Out: 0.425 $\pm$ 0.004 χ^2 /NDF: 2866.9/24
 Right Out: 0.204 $\pm$ 0.013 χ^2 /NDF: 1011.5/20
 Left In: 0.395 $\pm$ 0.004 χ^2 /NDF: 4063.1/22

Left: 0.410 $\pm$ 0.003 χ^2 /NDF: 6956.2/47
 Right: 0.238 $\pm$ 0.009 χ^2 /NDF: 1689.6/38
 In: 0.385 $\pm$ 0.004 χ^2 /NDF: 4795.5/40
 Out: 0.403 $\pm$ 0.004 χ^2 /NDF: 4155.0/45
 All: 0.394 $\pm$ 0.003 χ^2 /NDF: 8962.0/86

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 7.358+/-1.920 χ^2/NDF : 0.0/0

Left Out: -24.824+/-0.140 χ^2/NDF :18274.6/24

Right Out: 10.853+/-0.781 χ^2/NDF : 327.7/1

Left In: -24.635+/-0.142 χ^2/NDF :14947.9/22

Left: -24.731+/-0.100 χ^2/NDF : 33223.4/47

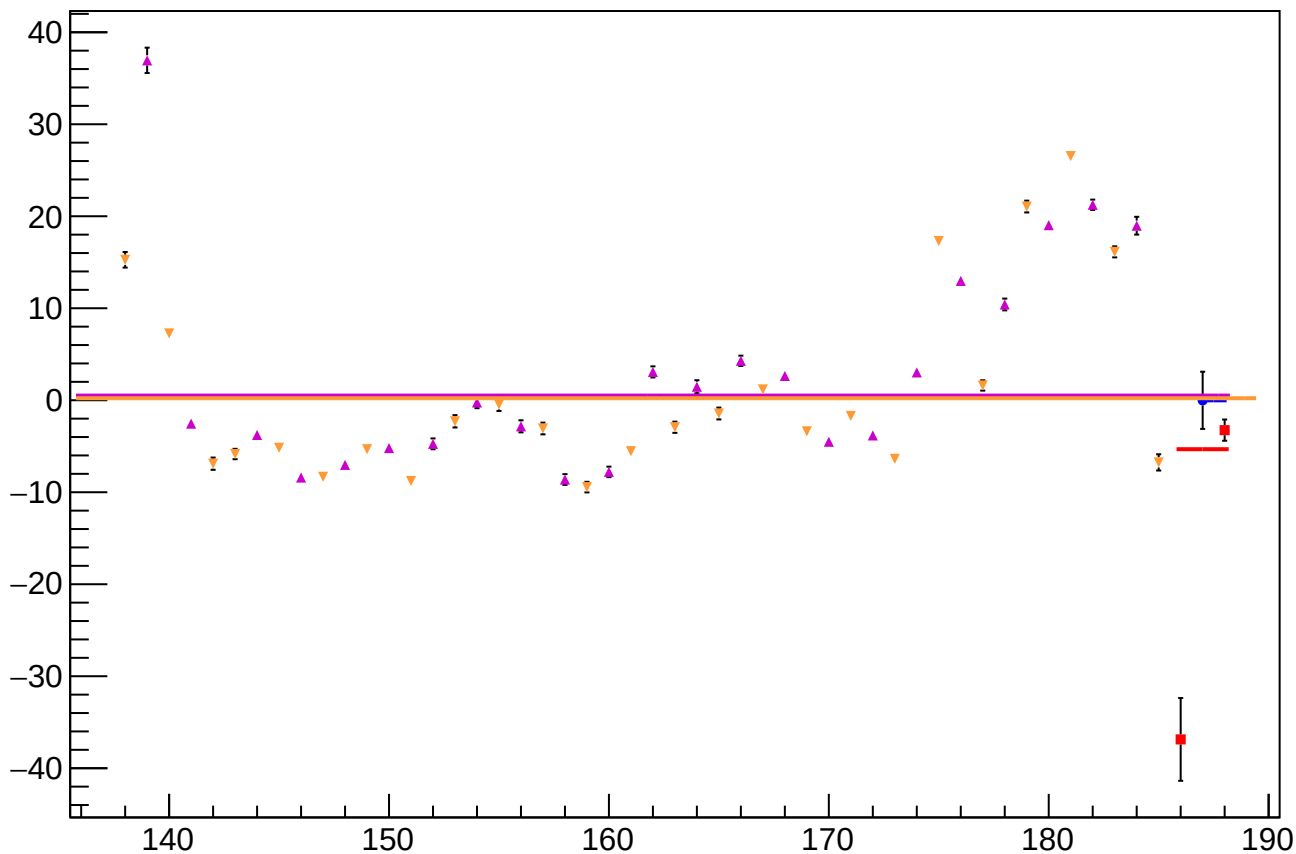
Right: 10.358+/-0.723 χ^2/NDF : 330.6/2

In: -24.461+/-0.142 χ^2/NDF :15223.9/23

Out: -23.717+/-0.137 χ^2/NDF :20626.2/26

All: -24.078+/-0.099 χ^2/NDF : 35864.3/50

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.009 ± 3.109 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 0.218 ± 0.109 $\chi^2/\text{NDF}: 8252.6/24$

Right Out: -5.321 ± 1.116 $\chi^2/\text{NDF}: 52.4/1$

Left In: 0.507 ± 0.112 $\chi^2/\text{NDF}: 6626.9/22$

Left: 0.358 ± 0.078 $\chi^2/\text{NDF}: 14883.0/47$

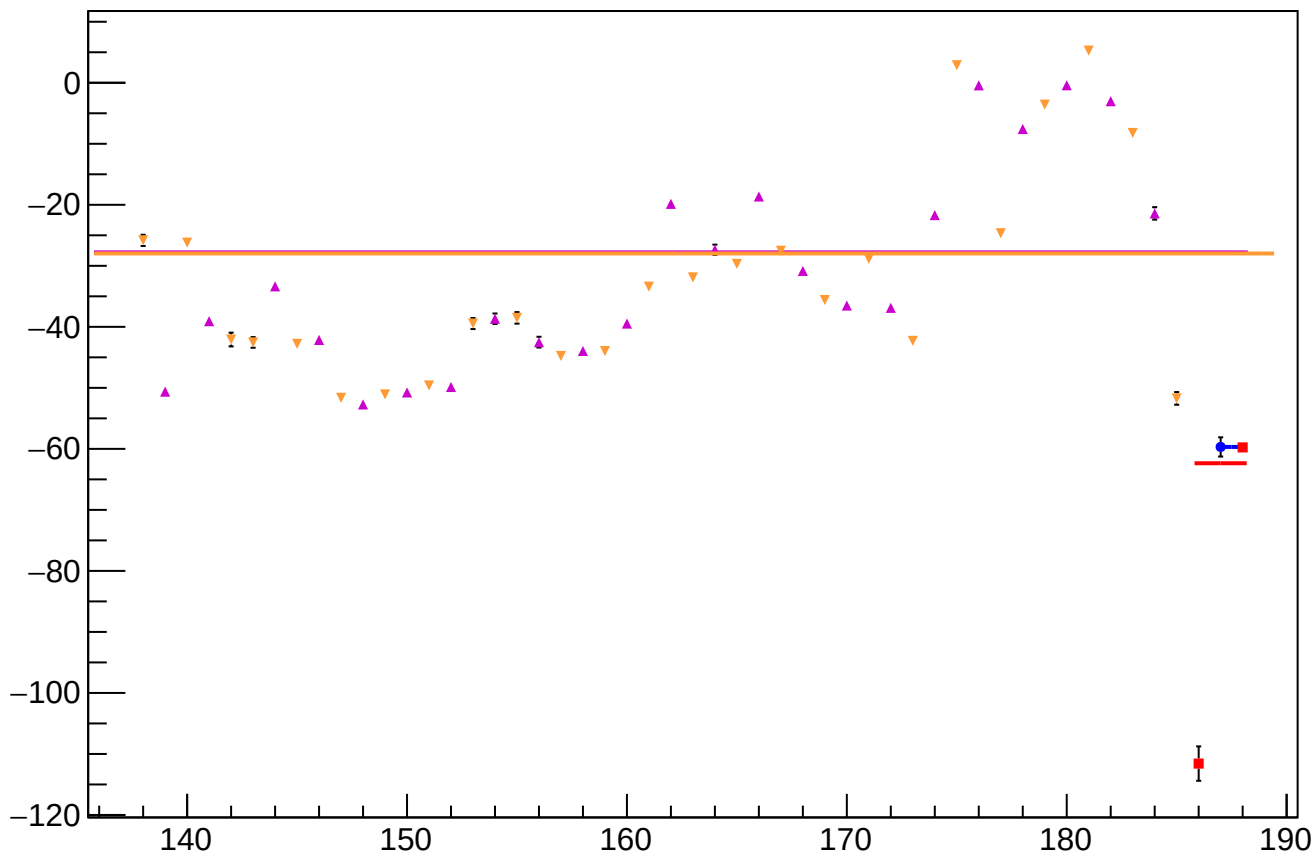
Right: -4.714 ± 1.051 $\chi^2/\text{NDF}: 55.0/2$

In: 0.506 ± 0.112 $\chi^2/\text{NDF}: 6626.9/23$

Out: 0.165 ± 0.108 $\chi^2/\text{NDF}: 8329.4/26$

All: 0.331 ± 0.078 $\chi^2/\text{NDF}: 14961.1/50$

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.683 $\pm$ 1.579 χ^2 /NDF: 0.0/0

Left Out: -27.977 $\pm$ 0.140 χ^2 /NDF:17079.0/24

Right Out: -62.354 $\pm$ 0.631 χ^2 /NDF: 320.7/1

Left In: -27.796 $\pm$ 0.142 χ^2 /NDF:15193.3/22

Left: -27.888 $\pm$ 0.100 χ^2 /NDF: 32273.2/47

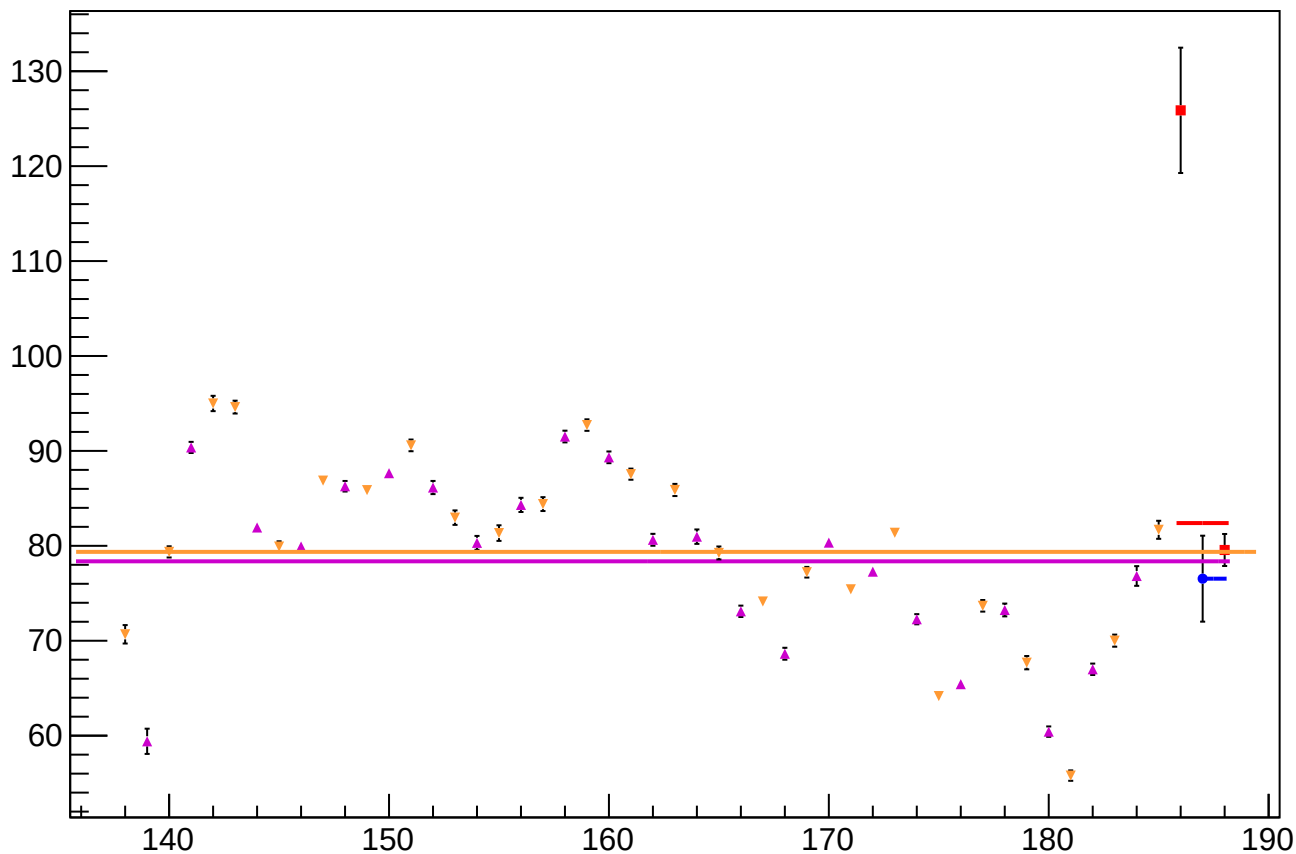
Right: -61.986 $\pm$ 0.586 χ^2 /NDF: 323.1/2

In: -28.051 $\pm$ 0.141 χ^2 /NDF:15597.8/23

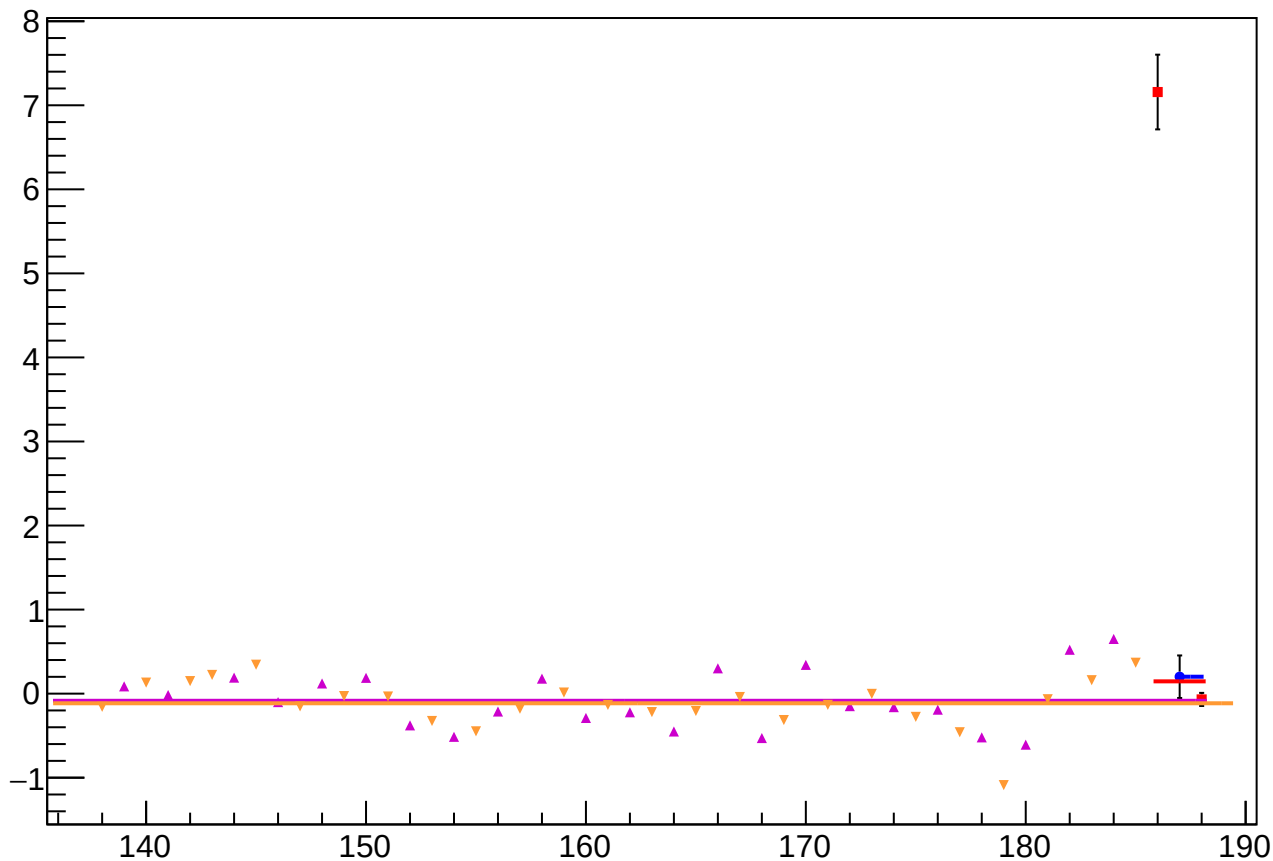
Out: -29.592 $\pm$ 0.137 χ^2 /NDF:20227.6/26

All: -28.846 $\pm$ 0.098 χ^2 /NDF: 35886.9/50

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



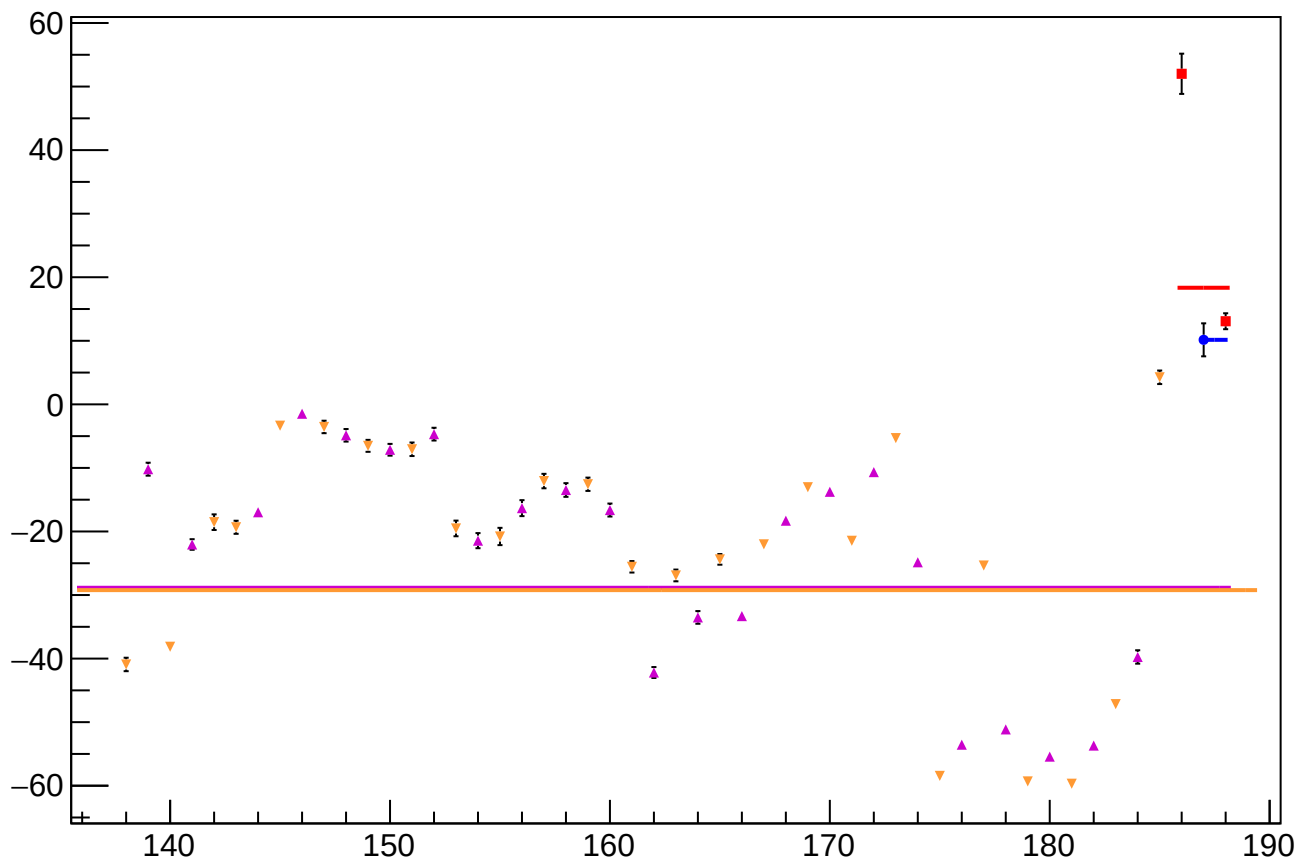
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201+/-0.253 χ^2/NDF : 0.0/0
 Left Out: -0.115+/-0.006 χ^2/NDF : 2288.7/24
 Right Out: 0.146+/-0.077 χ^2/NDF : 256.4/1
 Left In: -0.085+/-0.006 χ^2/NDF : 3148.4/22

Left: -0.100+/-0.004 χ^2/NDF : 5450.5/47
 Right: 0.151+/-0.073 χ^2/NDF : 256.5/2
 In: -0.085+/-0.006 χ^2/NDF : 3149.7/23
 Out: -0.113+/-0.006 χ^2/NDF : 2556.7/26
 All: -0.099+/-0.004 χ^2/NDF : 5718.7/50

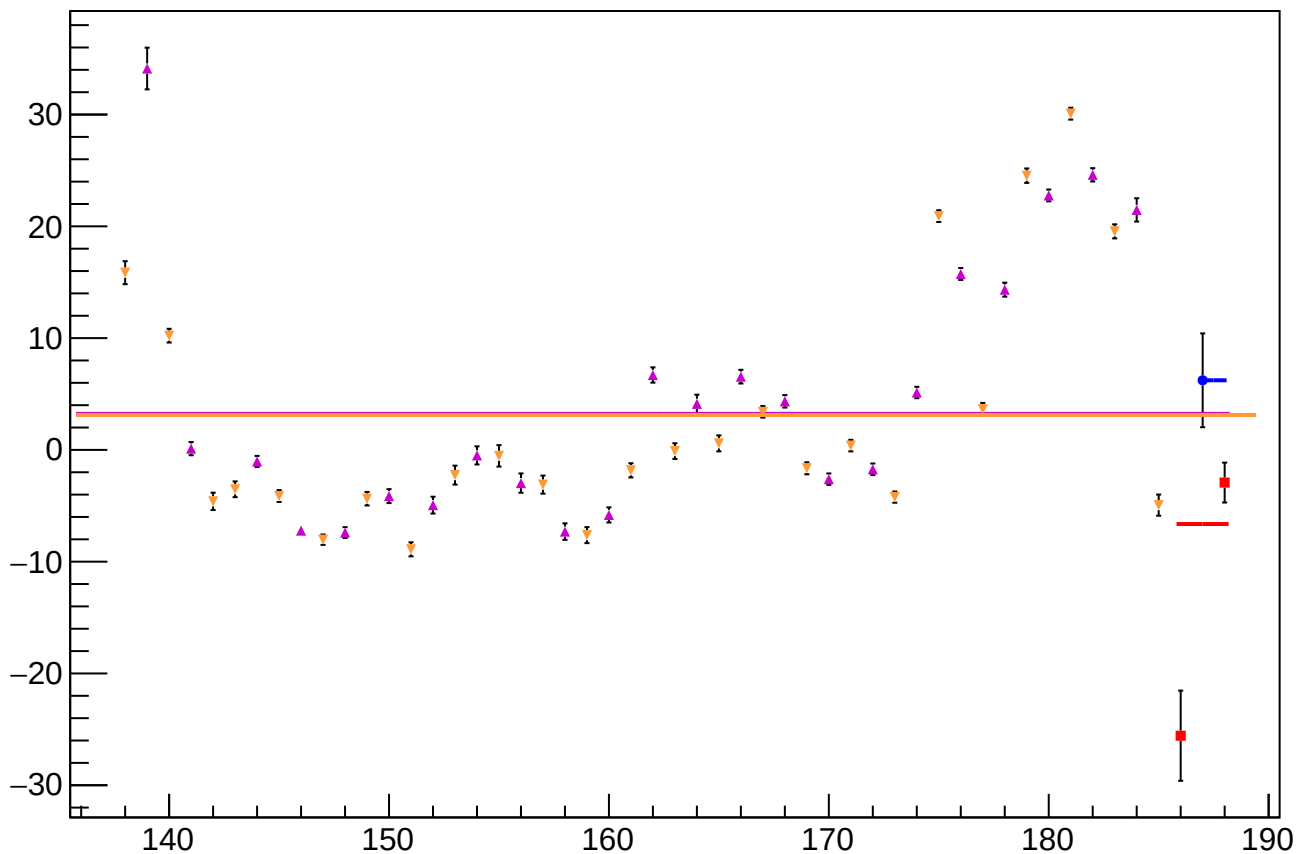
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 10.151+/-2.596 χ^2/NDF : 0.0/0
 Left Out: -29.227+/-0.157 χ^2/NDF :16880.0/24
 Right Out: 18.346+/-1.164 χ^2/NDF : 130.8/1
 Left In: -28.857+/-0.159 χ^2/NDF :13553.6/22

Left: -29.044+/-0.112 χ^2/NDF : 30436.3/47
 Right: 16.973+/-1.062 χ^2/NDF : 139.1/2
 In: -28.711+/-0.159 χ^2/NDF :13778.6/23
 Out: -28.378+/-0.156 χ^2/NDF :18650.2/26
 All: -28.541+/-0.111 χ^2/NDF : 32431.1/50

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.227 ± 4.197 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 3.126 ± 0.125 $\chi^2/\text{NDF}: 8049.0/24$

Right Out: -6.632 ± 1.632 $\chi^2/\text{NDF}: 26.4/1$

Left In: 3.224 ± 0.127 $\chi^2/\text{NDF}: 6274.0/22$

Left: 3.174 ± 0.089 $\chi^2/\text{NDF}: 14323.3/47$

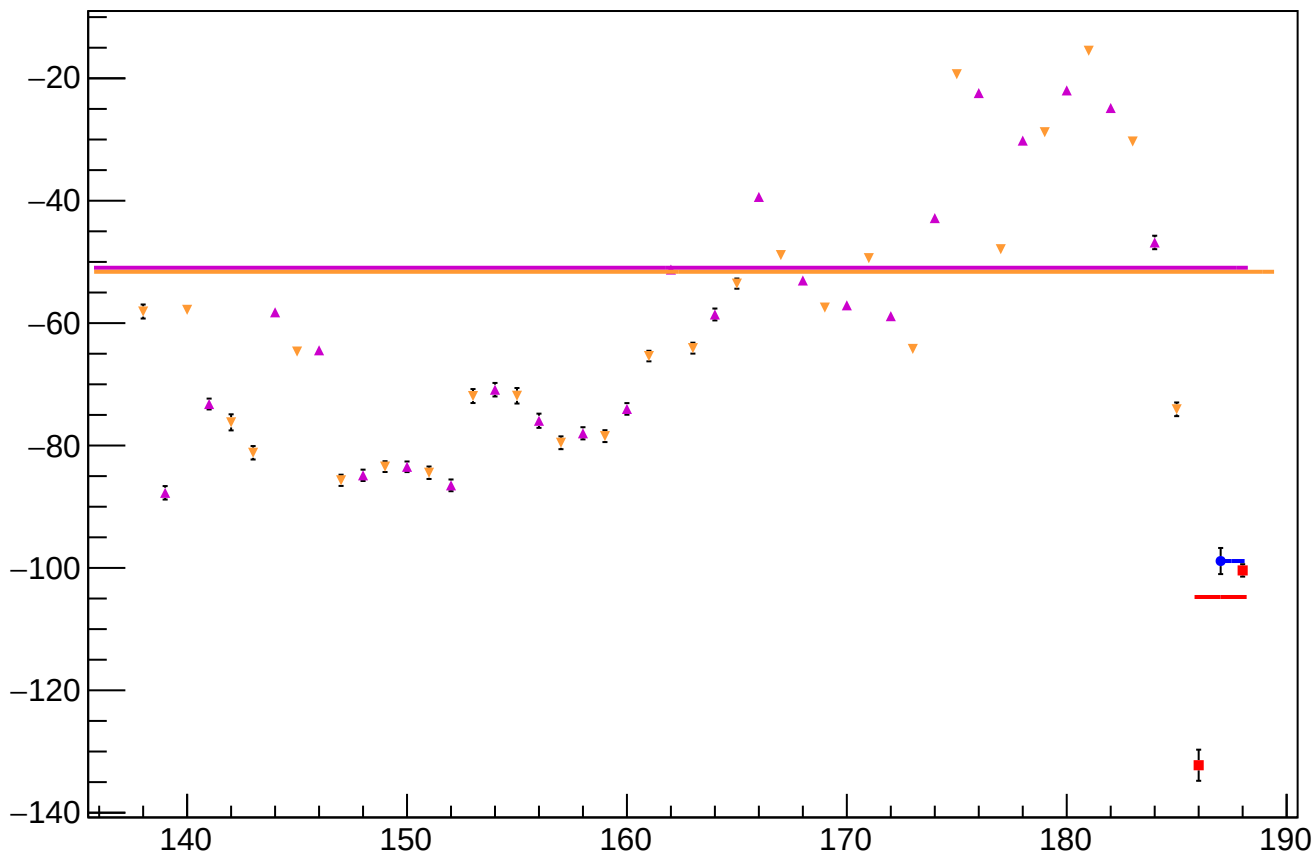
Right: -4.942 ± 1.521 $\chi^2/\text{NDF}: 34.5/2$

In: 3.227 ± 0.126 $\chi^2/\text{NDF}: 6274.5/23$

Out: 3.069 ± 0.124 $\chi^2/\text{NDF}: 8110.9/26$

All: 3.146 ± 0.089 $\chi^2/\text{NDF}: 14386.2/50$

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -98.874 ± 2.134 χ^2/NDF : 0.0/0

Left Out: -51.610 ± 0.158 χ^2/NDF : 19384.9/24

Right Out: -104.751 ± 0.939 χ^2/NDF : 135.3/1

Left In: -50.954 ± 0.159 χ^2/NDF : 17472.2/22

Left: -51.285 ± 0.112 χ^2/NDF : 36865.6/47

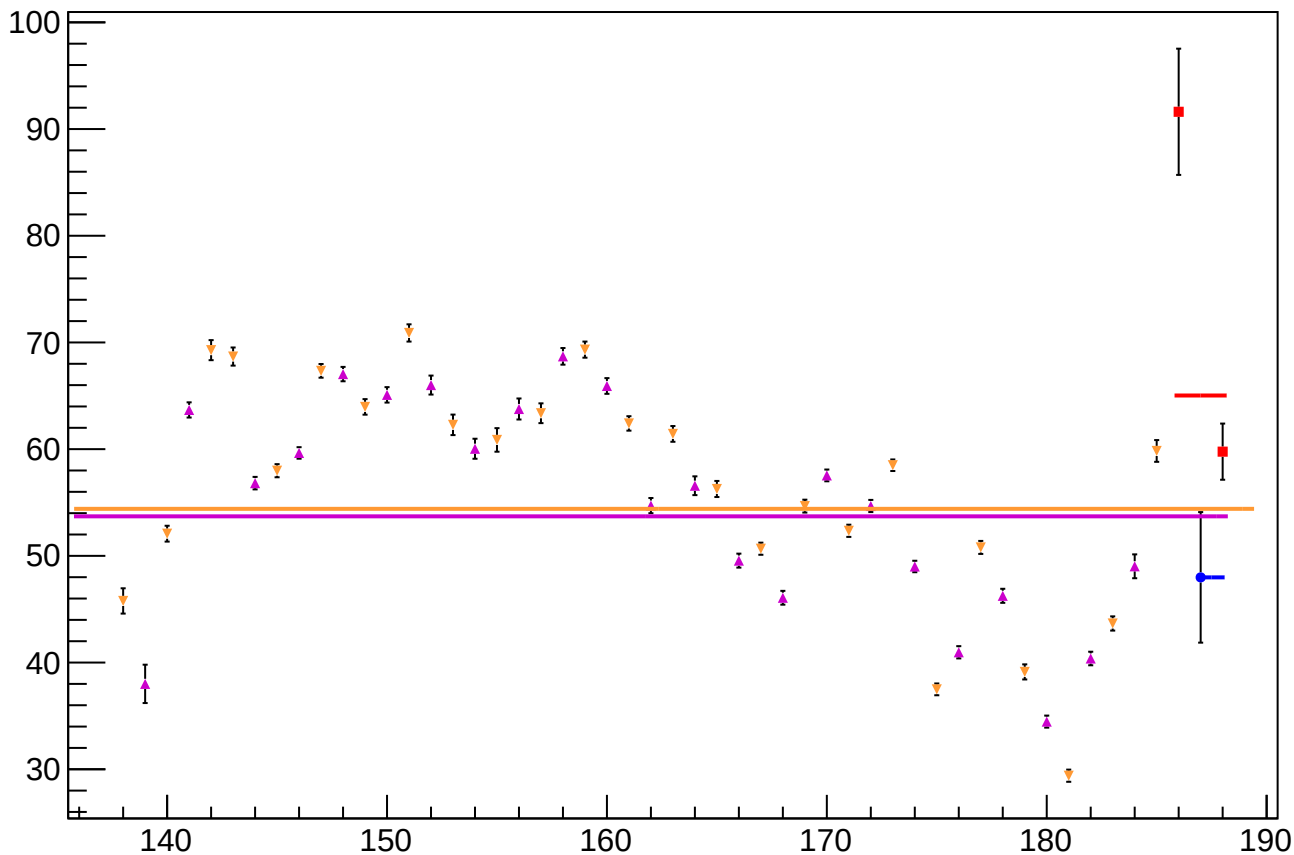
Right: -103.797 ± 0.860 χ^2/NDF : 141.6/2

In: -51.220 ± 0.159 χ^2/NDF : 17973.7/23

Out: -53.074 ± 0.156 χ^2/NDF : 22632.7/26

All: -52.165 ± 0.111 χ^2/NDF : 40675.7/50

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 47.983+/-6.117 χ^2/NDF : 0.0/0

Left Out: 54.407+/-0.141 χ^2/NDF : 6200.4/24

Right Out: 65.028+/-2.404 χ^2/NDF : 24.2/1

Left In: 53.704+/-0.143 χ^2/NDF : 4603.5/22

Left: 54.060+/-0.100 χ^2/NDF : 10816.3/47

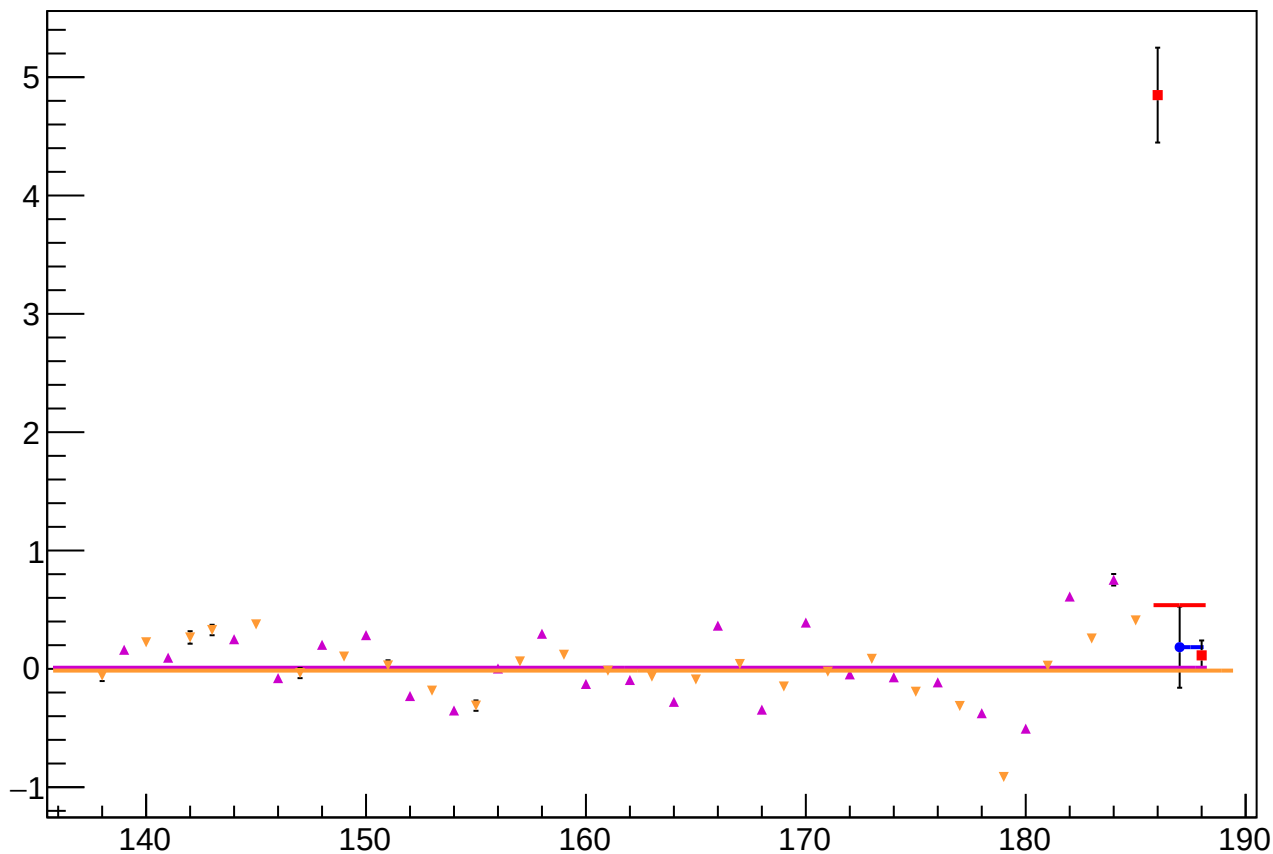
Right: 62.747+/-2.238 χ^2/NDF : 30.9/2

In: 53.700+/-0.143 χ^2/NDF : 4604.4/23

Out: 54.443+/-0.140 χ^2/NDF : 6244.1/26

All: 54.078+/-0.100 χ^2/NDF : 10862.2/50

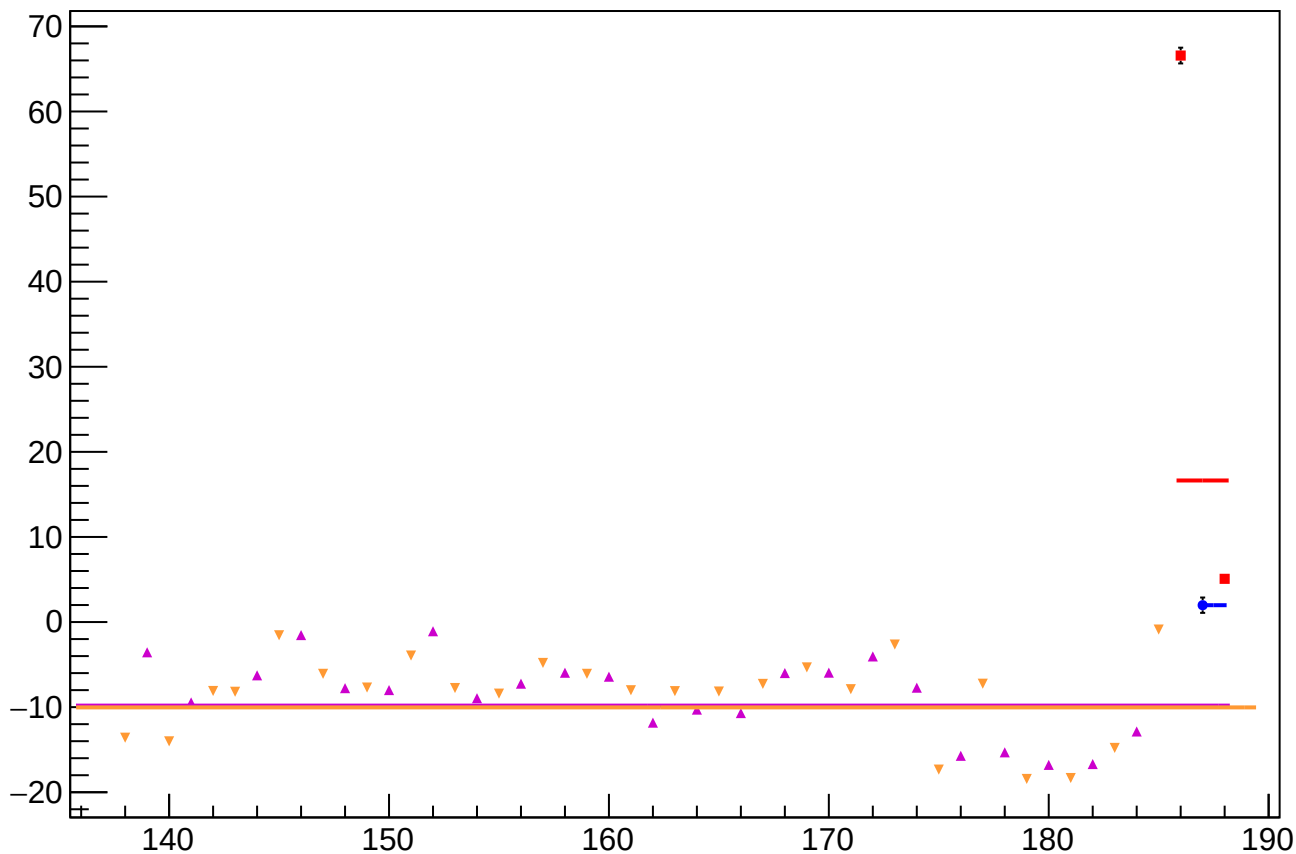
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.183+/-0.343 χ^2/NDF : 0.0/0
 Left Out: -0.015+/-0.006 χ^2/NDF :1645.9/24
 Right Out: 0.538+/-0.120 χ^2/NDF : 127.0/1
 Left In: 0.009+/-0.007 χ^2/NDF :2228.9/22

Left: -0.003+/-0.005 χ^2/NDF : 3881.7/47
 Right: 0.500+/-0.113 χ^2/NDF : 127.9/2
 In: 0.009+/-0.007 χ^2/NDF :2229.2/23
 Out: -0.013+/-0.006 χ^2/NDF :1794.0/26
 All: -0.002+/-0.005 χ^2/NDF : 4029.3/50

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.981 ± 0.902 χ^2/NDF : 0.0/0

Left Out: -10.030 ± 0.051 χ^2/NDF : 12530.2/24

Right Out: 16.637 ± 0.402 χ^2/NDF : 3579.0/1

Left In: -9.820 ± 0.051 χ^2/NDF : 9468.8/22

Left: -9.926 ± 0.036 χ^2/NDF : 22007.5/47

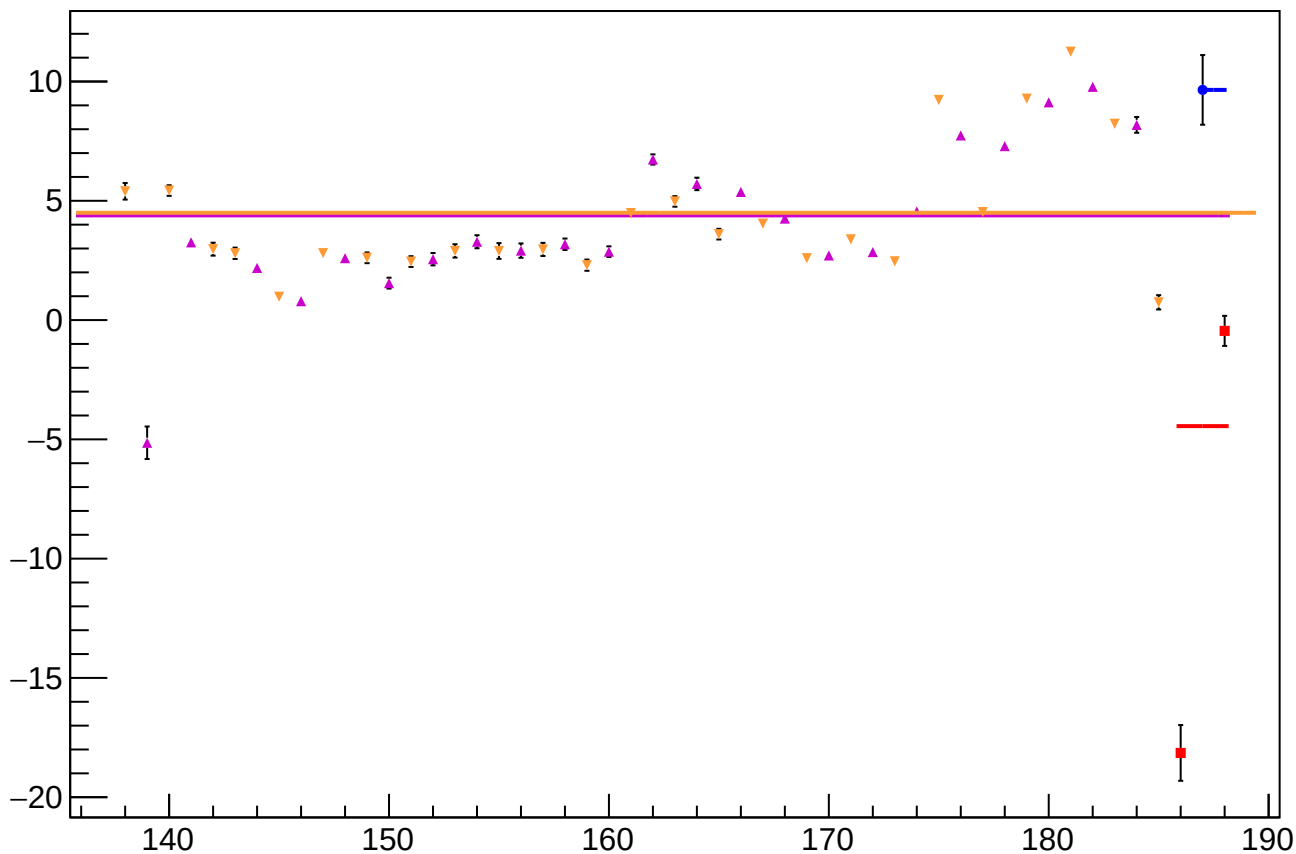
Right: 14.212 ± 0.367 χ^2/NDF : 3799.3/2

In: -9.782 ± 0.051 χ^2/NDF : 9639.5/23

Out: -9.611 ± 0.050 χ^2/NDF : 20449.7/26

All: -9.695 ± 0.036 χ^2/NDF : 30094.9/50

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.649 $\pm$ 1.460 χ^2 /NDF: 0.0/0

Left Out: 4.499 $\pm$ 0.041 χ^2 /NDF:4809.3/24

Right Out: -4.445 $\pm$ 0.555 χ^2 /NDF: 177.5/1

Left In: 4.388 $\pm$ 0.041 χ^2 /NDF:4266.4/22

Left: 4.444 $\pm$ 0.029 χ^2 /NDF: 9079.4/47

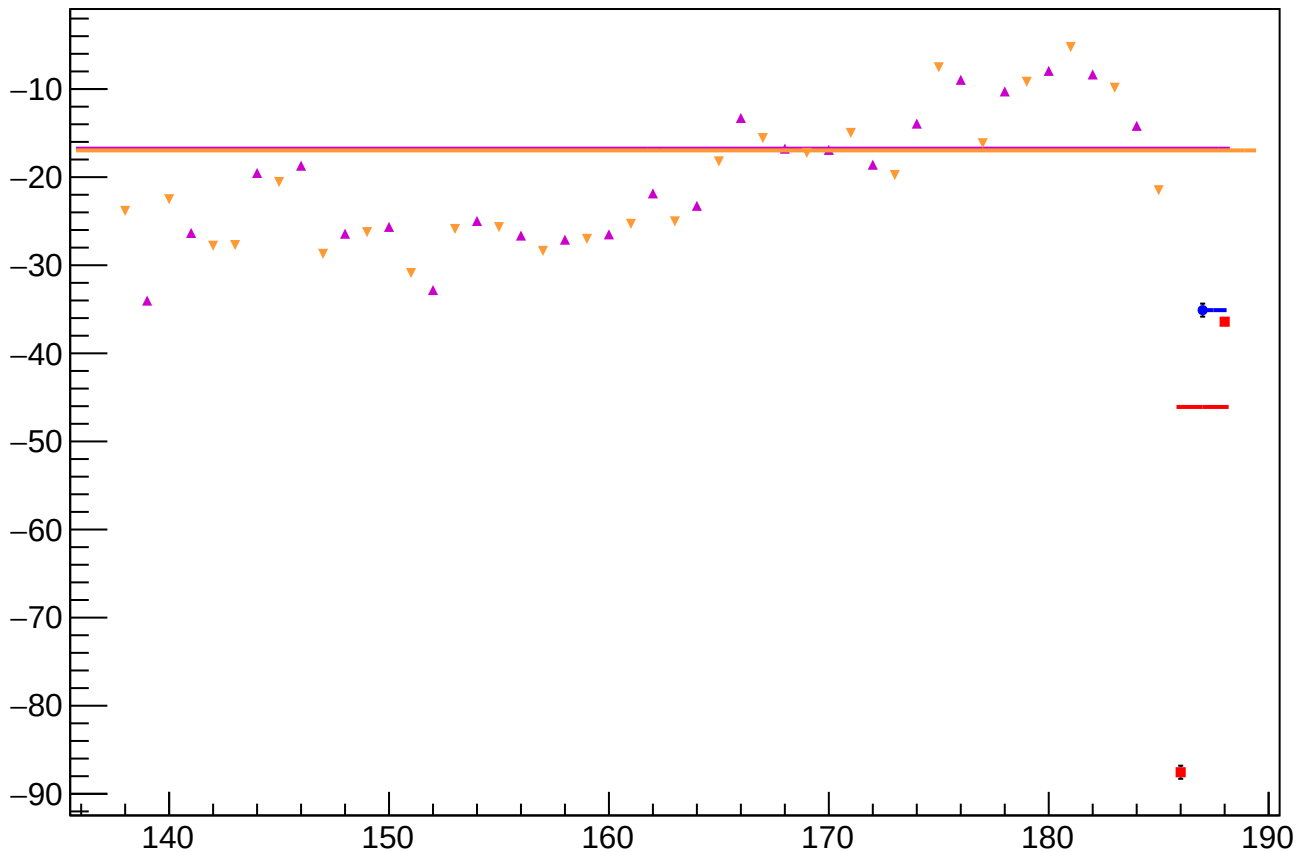
Right: -2.666 $\pm$ 0.519 χ^2 /NDF: 259.0/2

In: 4.392 $\pm$ 0.041 χ^2 /NDF:4279.4/23

Out: 4.451 $\pm$ 0.041 χ^2 /NDF:5245.1/26

All: 4.422 $\pm$ 0.029 χ^2 /NDF: 9525.5/50

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -35.096 ± 0.741 χ^2/NDF : 0.0/0

Left Out: -16.965 ± 0.051 χ^2/NDF : 21902.1/24

Right Out: -46.086 ± 0.324 χ^2/NDF : 3829.1/1

Left In: -16.764 ± 0.051 χ^2/NDF : 19037.7/22

Left: -16.865 ± 0.036 χ^2/NDF : 40947.4/47

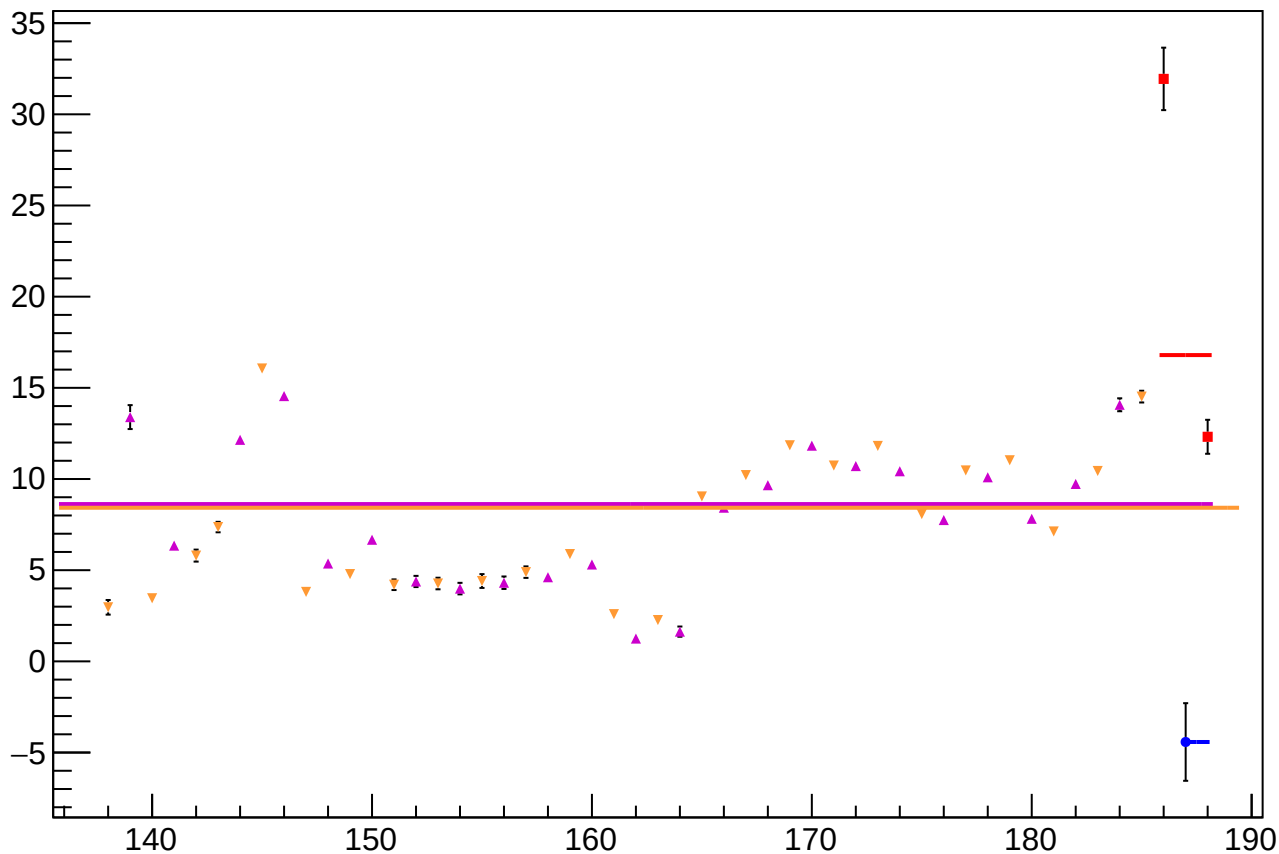
Right: -44.326 ± 0.297 χ^2/NDF : 4013.6/2

In: -16.852 ± 0.051 χ^2/NDF : 19646.2/23

Out: -17.674 ± 0.050 χ^2/NDF : 33626.8/26

All: -17.269 ± 0.036 χ^2/NDF : 53403.8/50

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.422+/-2.128 χ^2/NDF : 0.0/0

Left Out: 8.424+/-0.046 χ^2/NDF : 6478.6/24

Right Out: 16.797+/-0.818 χ^2/NDF : 101.4/1

Left In: 8.626+/-0.046 χ^2/NDF : 5531.9/22

Left: 8.524+/-0.032 χ^2/NDF : 12020.2/47

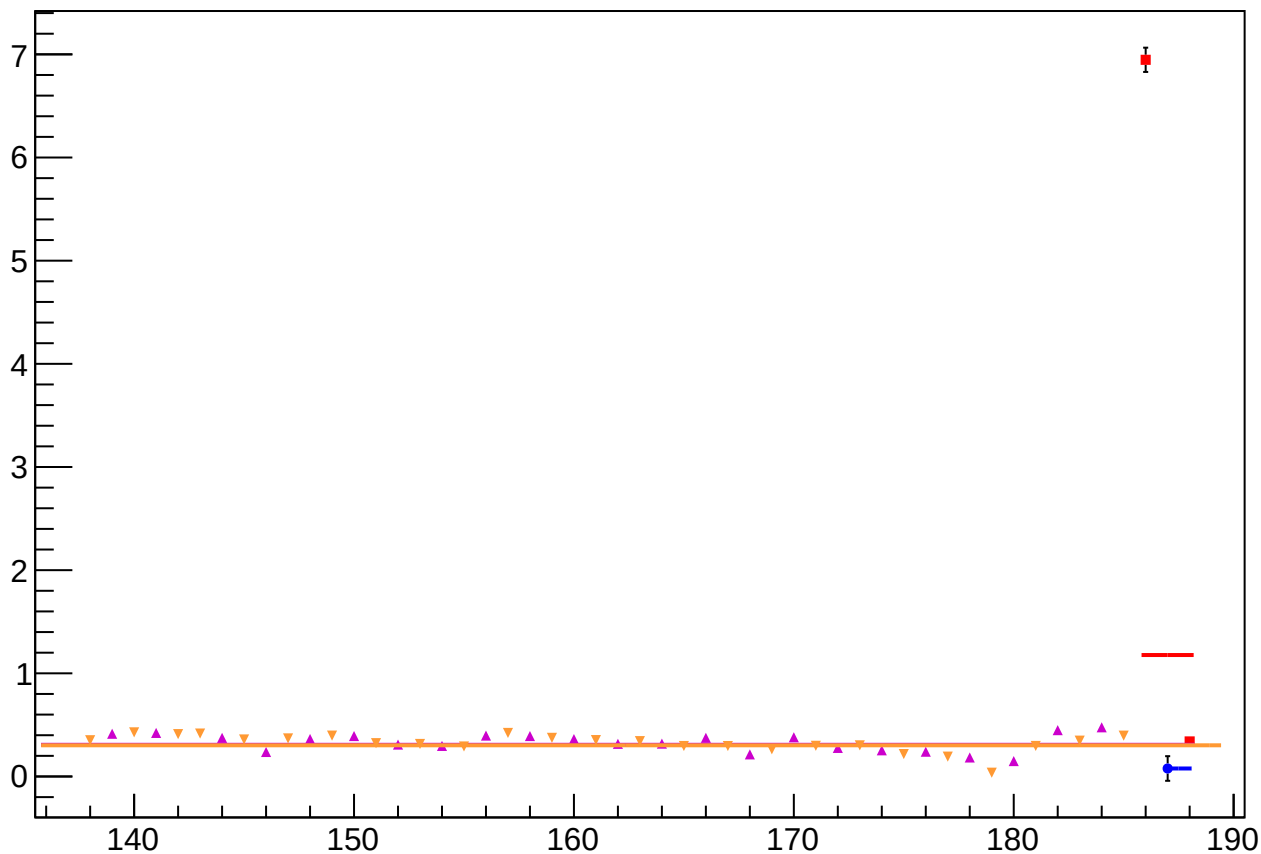
Right: 14.064+/-0.764 χ^2/NDF : 188.0/2

In: 8.620+/-0.046 χ^2/NDF : 5569.4/23

Out: 8.450+/-0.046 χ^2/NDF : 6684.3/26

All: 8.534+/-0.032 χ^2/NDF : 12260.6/50

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.078+/-0.119 χ^2/NDF : 0.0/0

Left Out: 0.302+/-0.002 χ^2/NDF :1589.8/24

Right Out: 1.177+/-0.042 χ^2/NDF : 2754.9/1

Left In: 0.307+/-0.002 χ^2/NDF :1716.8/22

Left: 0.305+/-0.001 χ^2/NDF : 3309.3/47

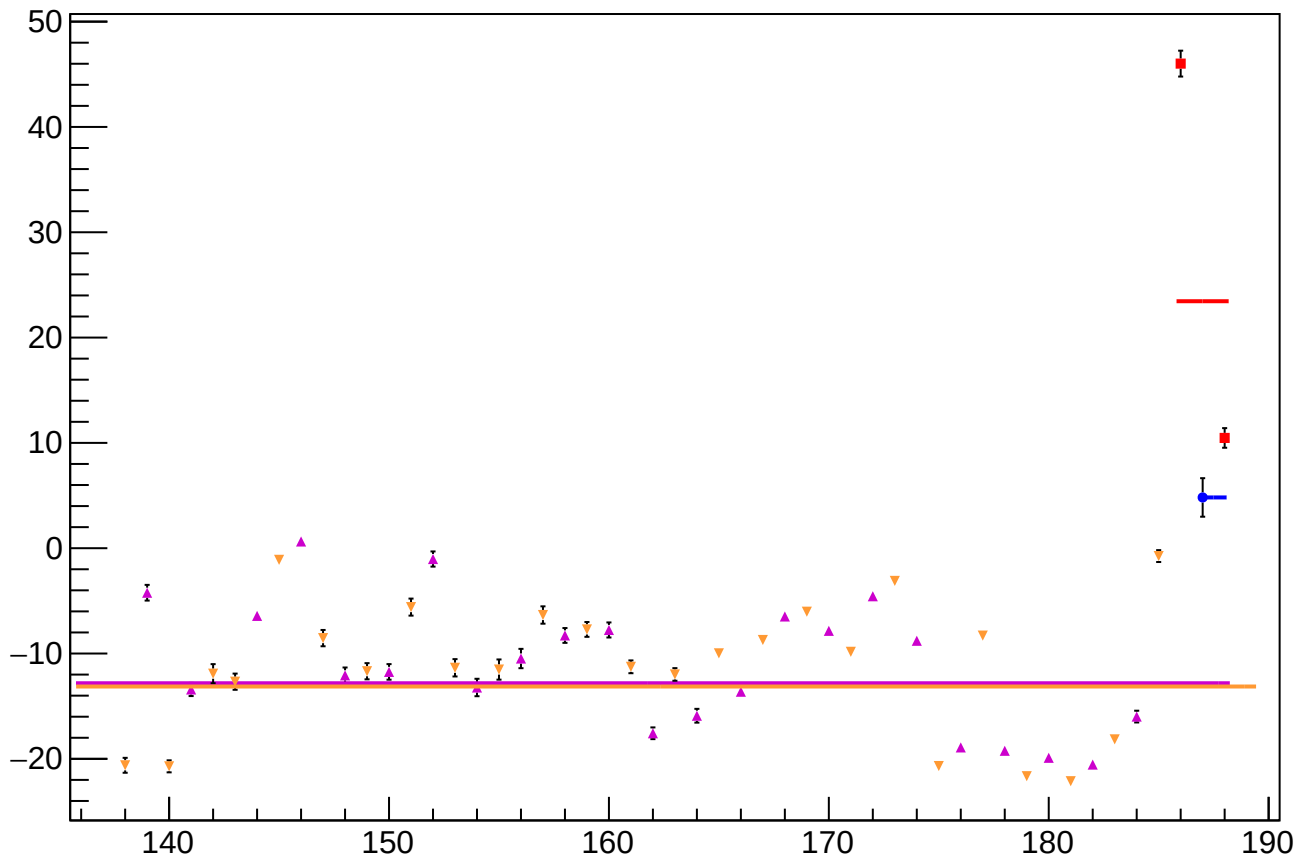
Right: 1.057+/-0.040 χ^2/NDF : 2830.5/2

In: 0.307+/-0.002 χ^2/NDF :1720.5/23

Out: 0.304+/-0.002 χ^2/NDF :4780.1/26

All: 0.306+/-0.001 χ^2/NDF : 6501.5/50

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.820+/-1.829 χ^2/NDF : 0.0/0

Left Out: -13.133+/-0.094 χ^2/NDF : 5974.5/24

Right Out: 23.451+/-0.743 χ^2/NDF : 531.0/1

Left In: -12.823+/-0.095 χ^2/NDF : 4841.5/22

Left: -12.979+/-0.067 χ^2/NDF : 10821.3/47

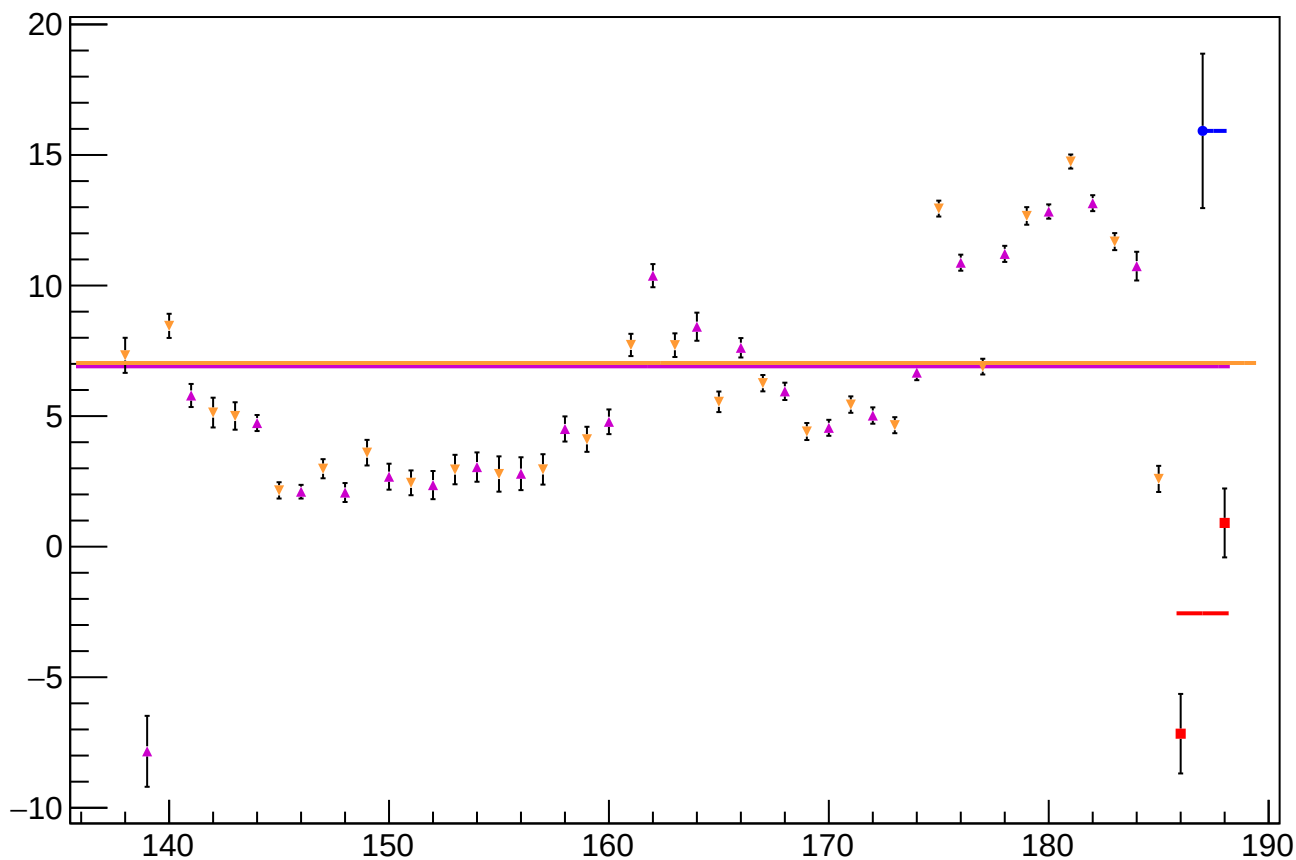
Right: 20.814+/-0.688 χ^2/NDF : 620.1/2

In: -12.776+/-0.095 χ^2/NDF : 4934.3/23

Out: -12.559+/-0.093 χ^2/NDF : 8893.8/26

All: -12.666+/-0.066 χ^2/NDF : 13830.8/50

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.923+/-2.957 χ^2 /NDF: 0.0/0

Left Out: 7.034+/-0.077 χ^2 /NDF:2657.5/24

Right Out: -2.552+/-0.997 χ^2 /NDF: 16.0/1

Left In: 6.906+/-0.077 χ^2 /NDF:2442.8/22

Left: 6.970+/-0.055 χ^2 /NDF: 5101.7/47

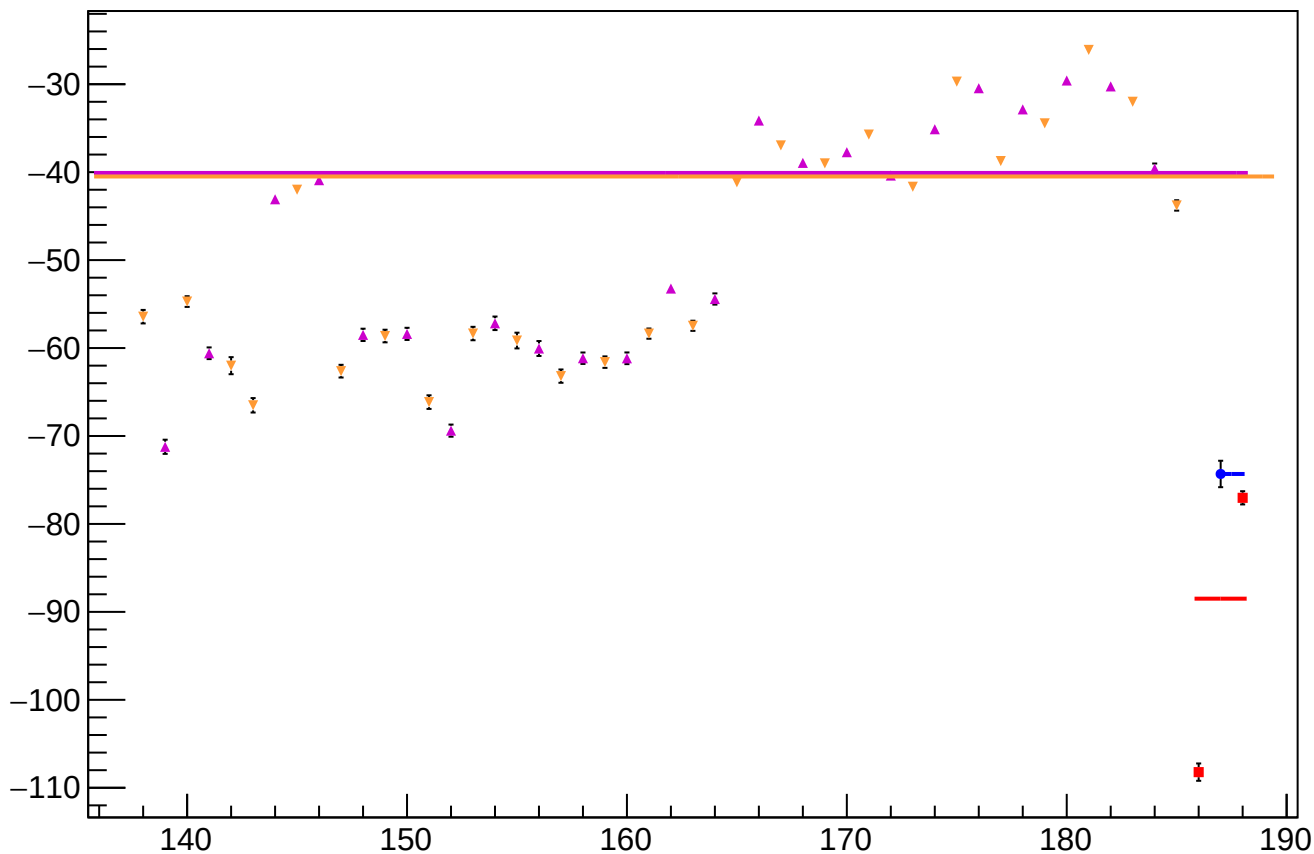
Right: -0.666+/-0.945 χ^2 /NDF: 51.1/2

In: 6.912+/-0.077 χ^2 /NDF:2452.1/23

Out: 6.977+/-0.077 χ^2 /NDF:2765.4/26

All: 6.945+/-0.055 χ^2 /NDF: 5217.9/50

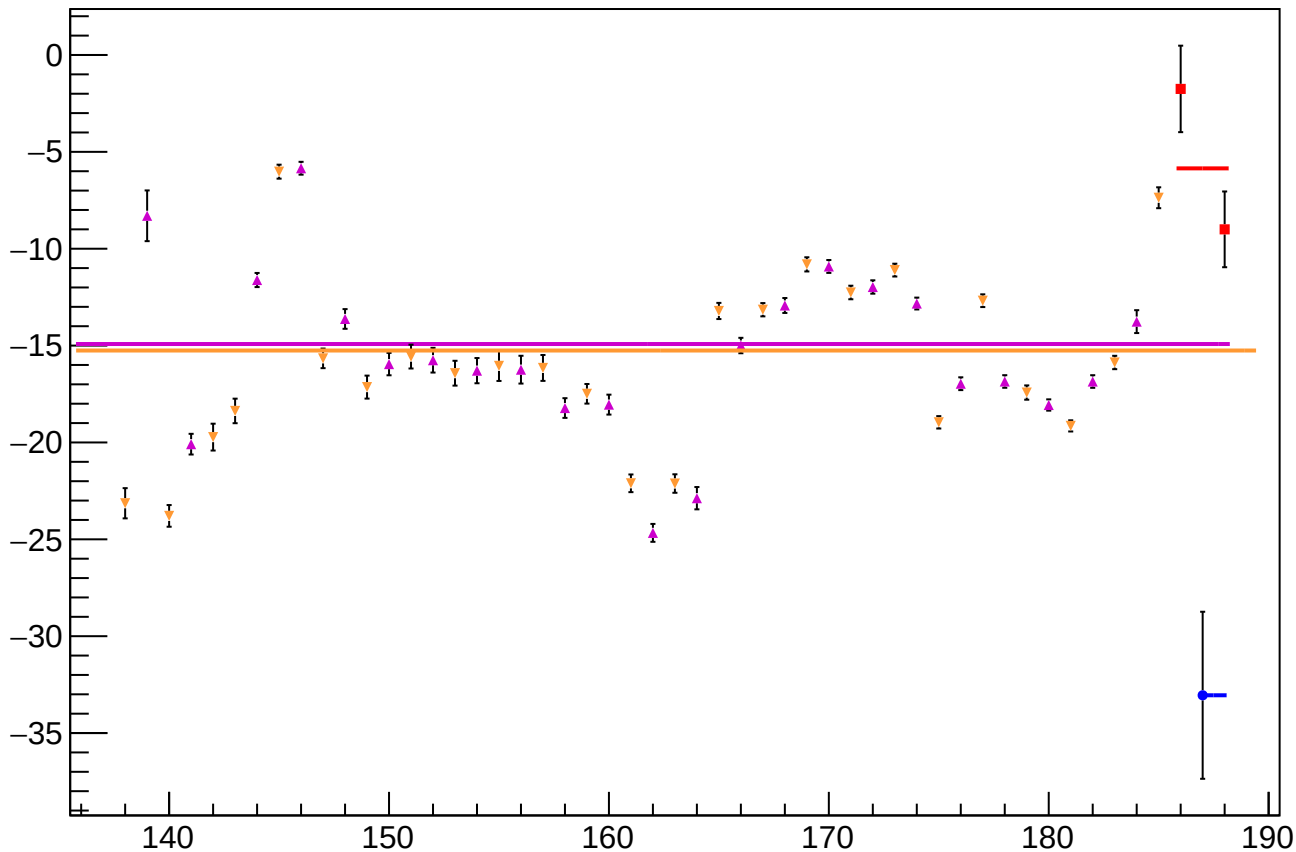
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -74.319 ± 1.503 χ^2/NDF : 0.0/0
 Left Out: -40.492 ± 0.095 χ^2/NDF : 15435.0/24
 Right Out: -88.497 ± 0.598 χ^2/NDF : 633.2/1
 Left In: -40.091 ± 0.095 χ^2/NDF : 14103.5/22

Left: -40.292 ± 0.067 χ^2/NDF : 29547.4/47
 Right: -86.562 ± 0.555 χ^2/NDF : 710.0/2
 In: -40.227 ± 0.095 χ^2/NDF : 14620.0/23
 Out: -41.671 ± 0.094 χ^2/NDF : 22361.8/26
 All: -40.960 ± 0.067 χ^2/NDF : 37098.8/50

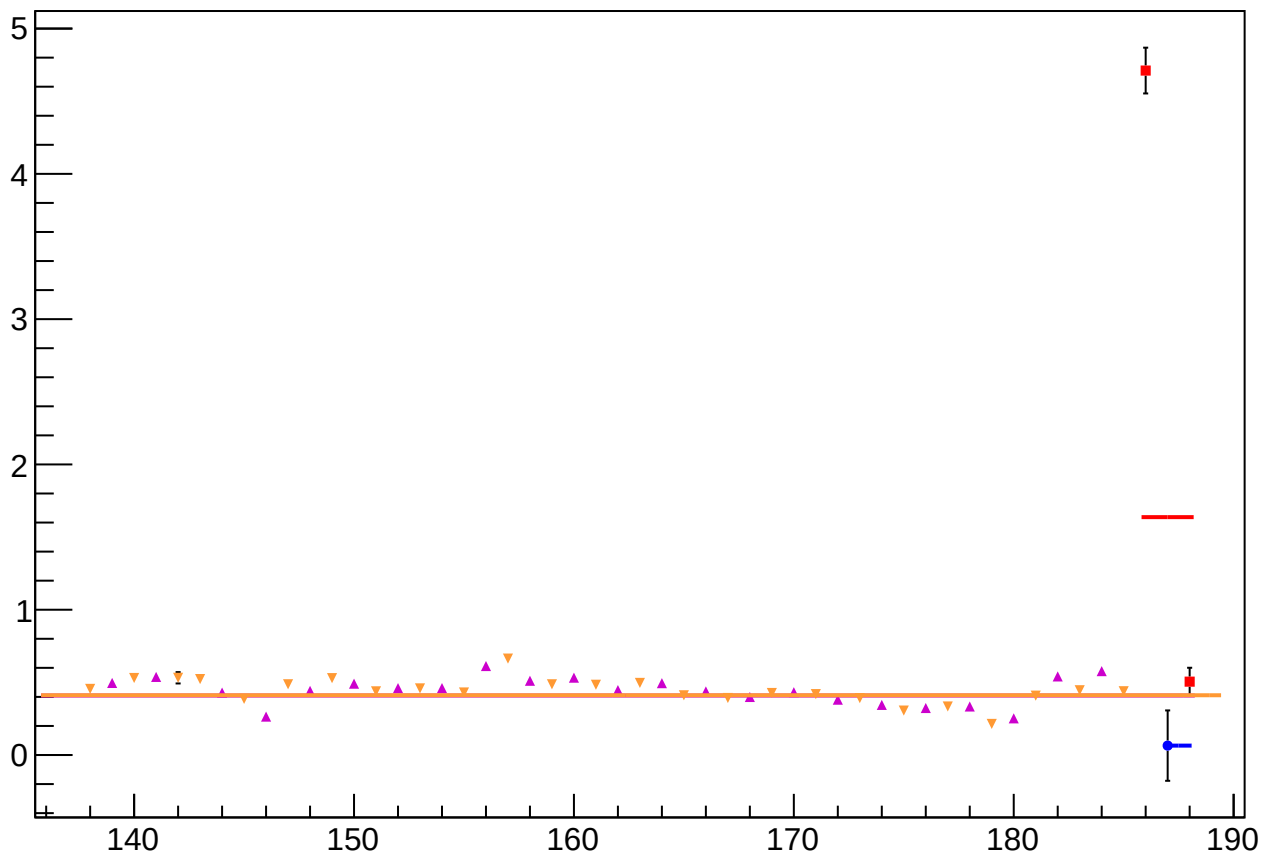
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.050 ± 4.311 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -15.254 ± 0.086 $\chi^2/\text{NDF}: 2594.4/24$
 Right Out: -5.853 ± 1.471 $\chi^2/\text{NDF}: 6.0/1$
 Left In: -14.919 ± 0.087 $\chi^2/\text{NDF}: 2207.7/22$

Left: -15.088 ± 0.061 $\chi^2/\text{NDF}: 4809.7/47$
 Right: -8.688 ± 1.392 $\chi^2/\text{NDF}: 41.6/2$
 In: -14.926 ± 0.087 $\chi^2/\text{NDF}: 2225.4/23$
 Out: -15.222 ± 0.086 $\chi^2/\text{NDF}: 2641.1/26$
 All: -15.075 ± 0.061 $\chi^2/\text{NDF}: 4872.4/50$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.065+/-0.242 χ^2/NDF : 0.0/0

Left Out: 0.411+/-0.004 χ^2/NDF :428.8/24

Right Out: 1.637+/-0.082 χ^2/NDF : 520.8/1

Left In: 0.409+/-0.004 χ^2/NDF :561.9/22

Left: 0.410+/-0.003 χ^2/NDF : 990.8/47

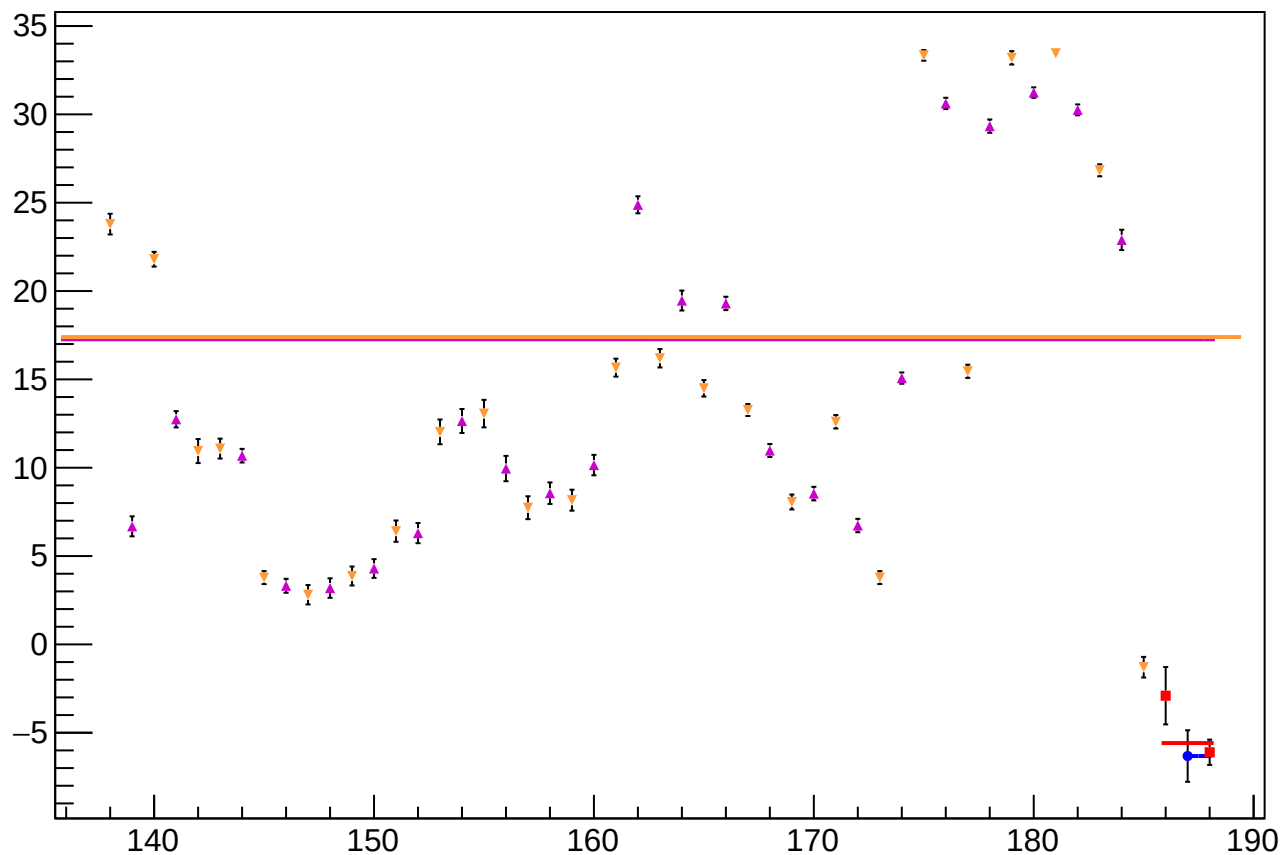
Right: 1.476+/-0.077 χ^2/NDF : 558.6/2

In: 0.409+/-0.004 χ^2/NDF :563.9/23

Out: 0.414+/-0.004 χ^2/NDF :1173.9/26

All: 0.412+/-0.003 χ^2/NDF : 1738.6/50

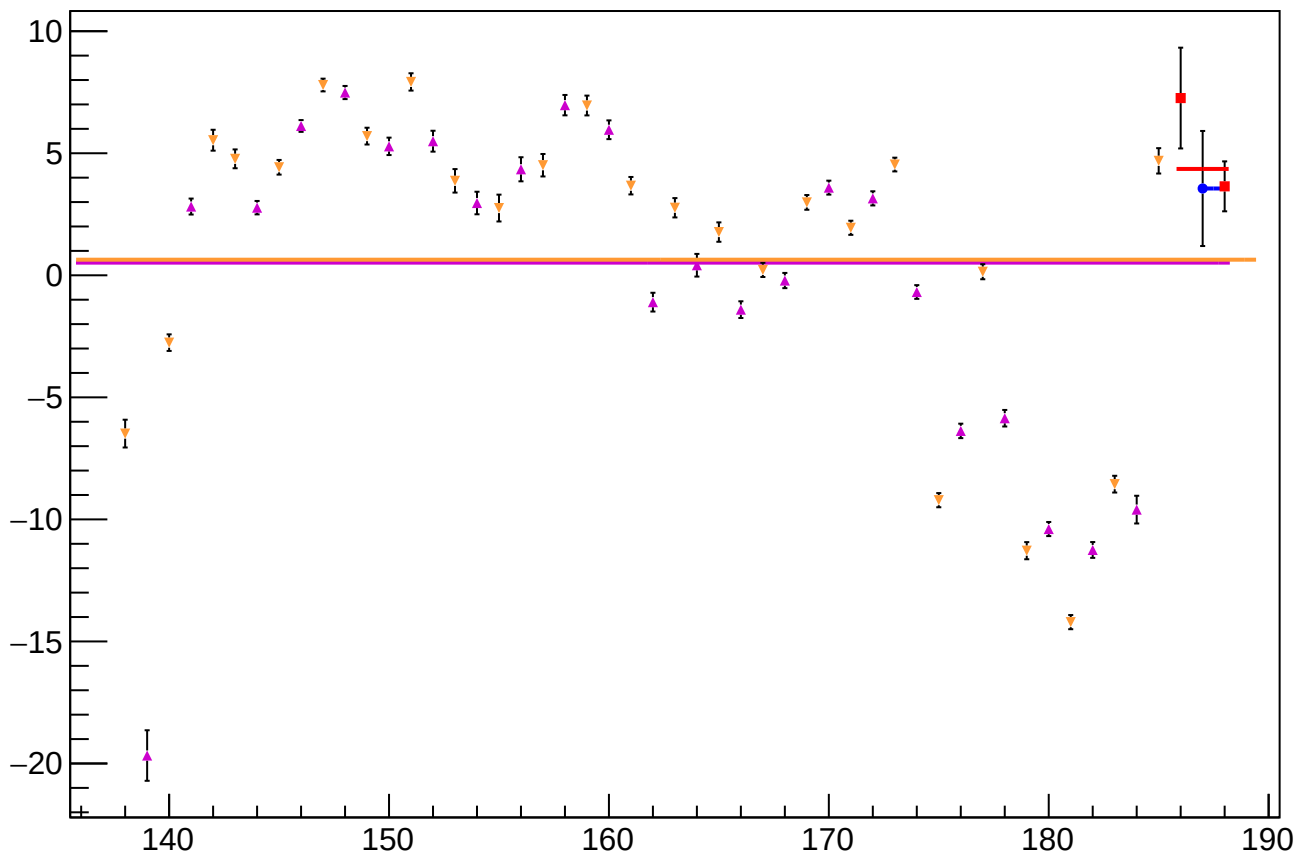
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.318+/-1.459 χ^2 /NDF: 0.0/0
 Left Out: 17.393+/-0.087 χ^2 /NDF:16305.7/24
 Right Out: -5.584+/-0.656 χ^2 /NDF: 3.3/1
 Left In: 17.271+/-0.088 χ^2 /NDF:12892.2/22

Left: 17.333+/-0.062 χ^2 /NDF: 29198.9/47
 Right: -5.707+/-0.598 χ^2 /NDF: 3.5/2
 In: 17.184+/-0.088 χ^2 /NDF:13152.7/23
 Out: 16.993+/-0.086 χ^2 /NDF:17515.4/26
 All: 17.087+/-0.062 χ^2 /NDF: 30670.5/50

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.556 ± 2.357 χ^2/NDF : 0.0/0

Left Out: 0.639 ± 0.070 χ^2/NDF : 8514.9/24

Right Out: 4.357 ± 0.917 χ^2/NDF : 2.5/1

Left In: 0.519 ± 0.071 χ^2/NDF : 6776.8/22

Left: 0.580 ± 0.050 χ^2/NDF : 15293.1/47

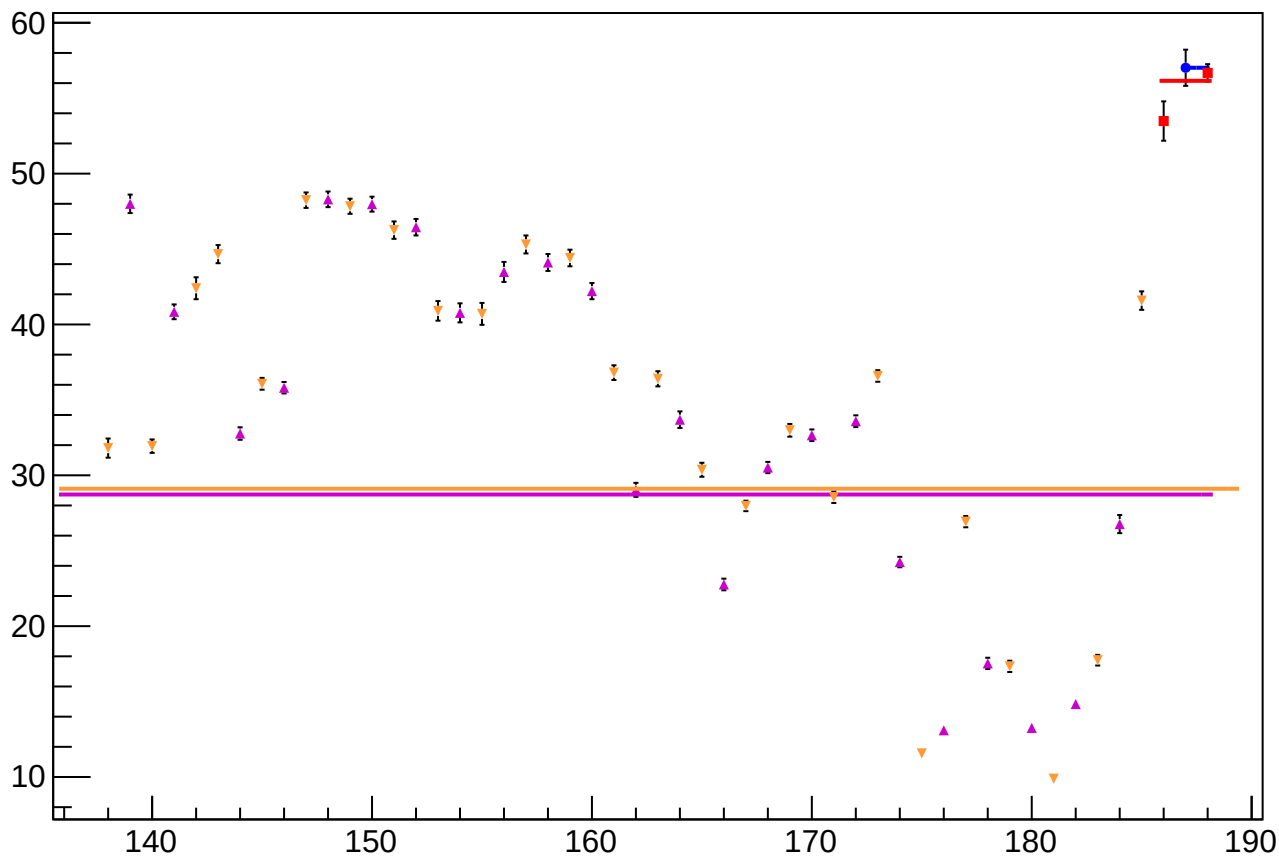
Right: 4.252 ± 0.854 χ^2/NDF : 2.6/2

In: 0.522 ± 0.071 χ^2/NDF : 6778.5/23

Out: 0.660 ± 0.069 χ^2/NDF : 8533.7/26

All: 0.592 ± 0.049 χ^2/NDF : 15314.1/50

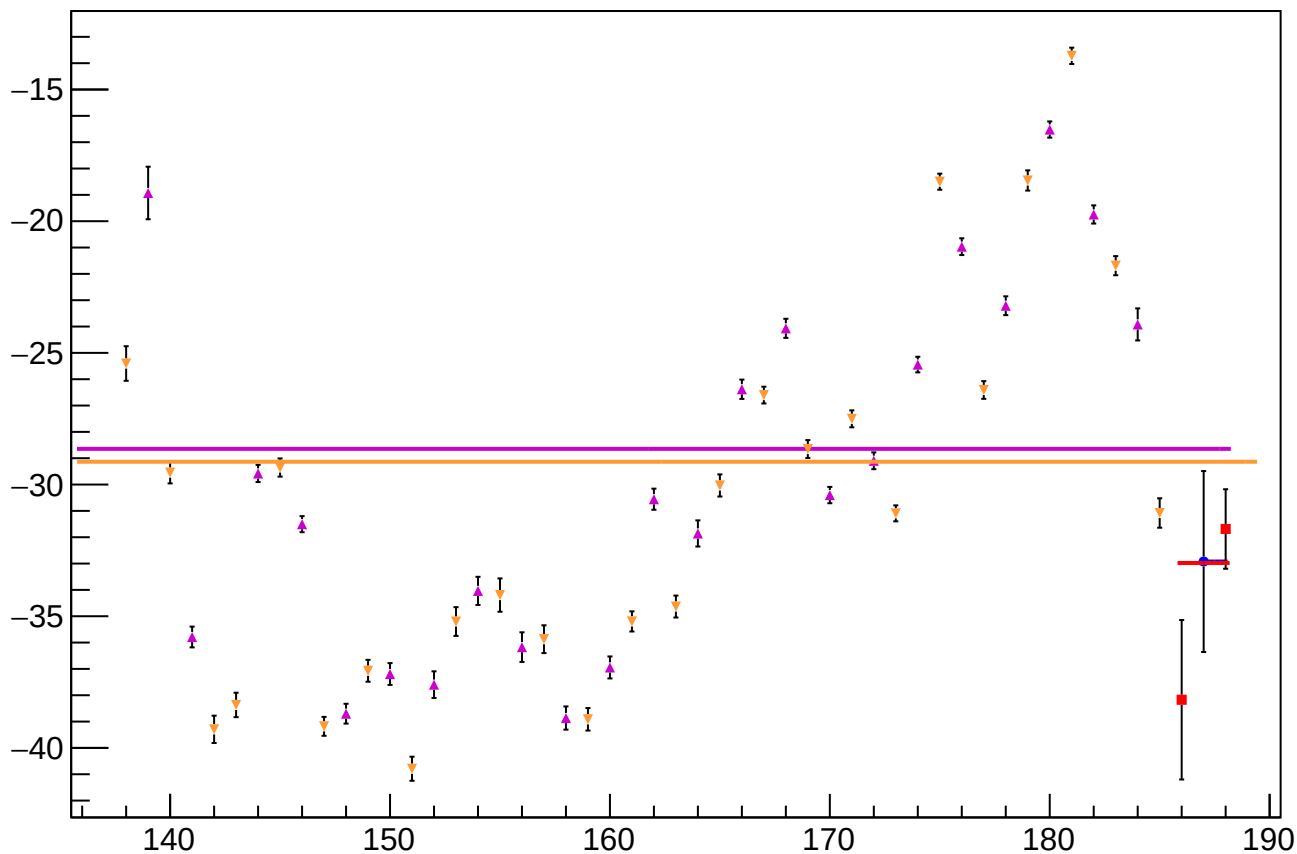
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 57.019 $\pm$ 1.199 χ^2 /NDF: 0.0/0
 Left Out: 29.110 $\pm$ 0.088 χ^2 /NDF:18845.8/24
 Right Out: 56.153 $\pm$ 0.529 χ^2 /NDF: 5.0/1
 Left In: 28.728 $\pm$ 0.089 χ^2 /NDF:17037.4/22

Left: 28.921 $\pm$ 0.062 χ^2 /NDF: 35892.6/47
 Right: 56.294 $\pm$ 0.484 χ^2 /NDF: 5.4/2
 In: 28.882 $\pm$ 0.089 χ^2 /NDF:17591.1/23
 Out: 29.837 $\pm$ 0.087 χ^2 /NDF:21395.2/26
 All: 29.370 $\pm$ 0.062 χ^2 /NDF: 39045.7/50

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



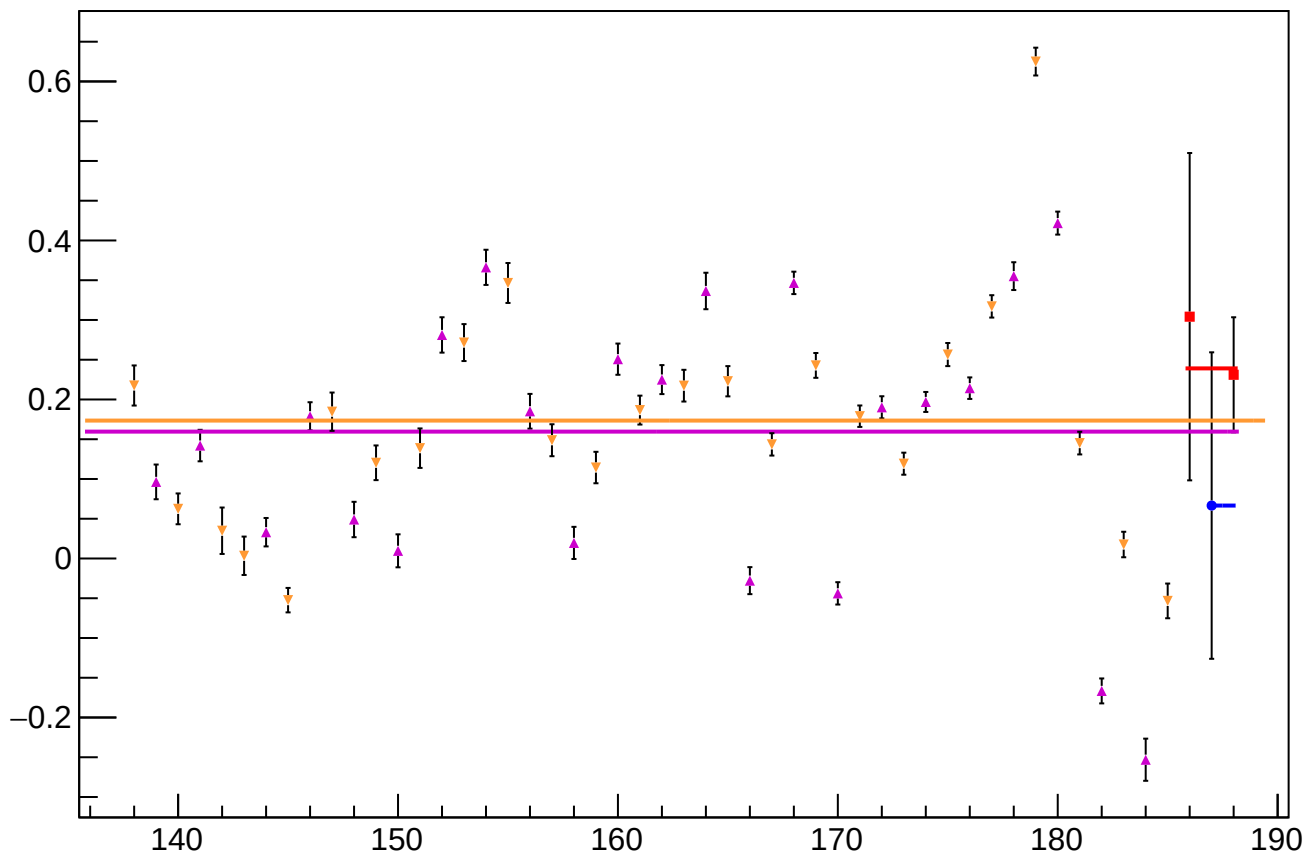
Right In: -32.923 ± 3.435 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -29.134 ± 0.078 $\chi^2/\text{NDF}: 8998.0/24$
 Right Out: -32.978 ± 1.351 $\chi^2/\text{NDF}: 3.7/1$
 Left In: -28.645 ± 0.080 $\chi^2/\text{NDF}: 6693.5/22$

Left: -28.893 ± 0.056 $\chi^2/\text{NDF}: 15710.7/47$
 Right: -32.970 ± 1.257 $\chi^2/\text{NDF}: 3.7/2$

In: -28.647 ± 0.079 $\chi^2/\text{NDF}: 6695.1/23$
 Out: -29.147 ± 0.078 $\chi^2/\text{NDF}: 9009.8/26$

All: -28.901 ± 0.056 $\chi^2/\text{NDF}: 15724.9/50$

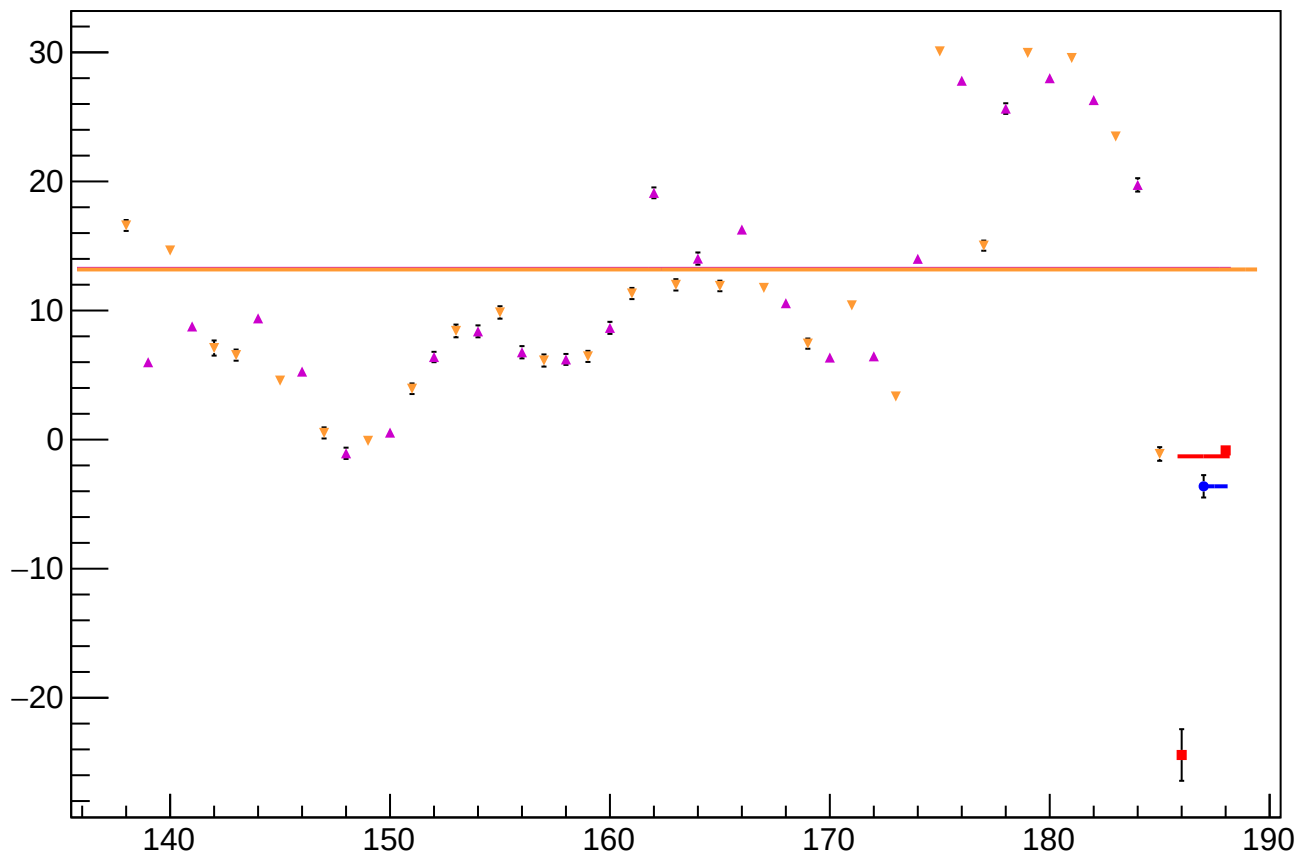
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.067 $\pm$ 0.193 χ^2 /NDF: 0.0/0
 Left Out: 0.173 $\pm$ 0.004 χ^2 /NDF:1468.8/24
 Right Out: 0.239 $\pm$ 0.068 χ^2 /NDF: 0.1/1
 Left In: 0.160 $\pm$ 0.004 χ^2 /NDF:2063.7/22

Left: 0.167 $\pm$ 0.003 χ^2 /NDF: 3539.9/47
 Right: 0.220 $\pm$ 0.064 χ^2 /NDF: 0.8/2
 In: 0.160 $\pm$ 0.004 χ^2 /NDF:2064.0/23
 Out: 0.174 $\pm$ 0.004 χ^2 /NDF:1469.9/26
 All: 0.167 $\pm$ 0.003 χ^2 /NDF: 3541.5/50

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.618 ± 0.867 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 13.181 ± 0.075 $\chi^2/\text{NDF}: 17039.3/24$

Right Out: -1.295 ± 0.279 $\chi^2/\text{NDF}: 136.6/1$

Left In: 13.228 ± 0.077 $\chi^2/\text{NDF}: 14126.1/22$

Left: 13.204 ± 0.054 $\chi^2/\text{NDF}: 31165.6/47$

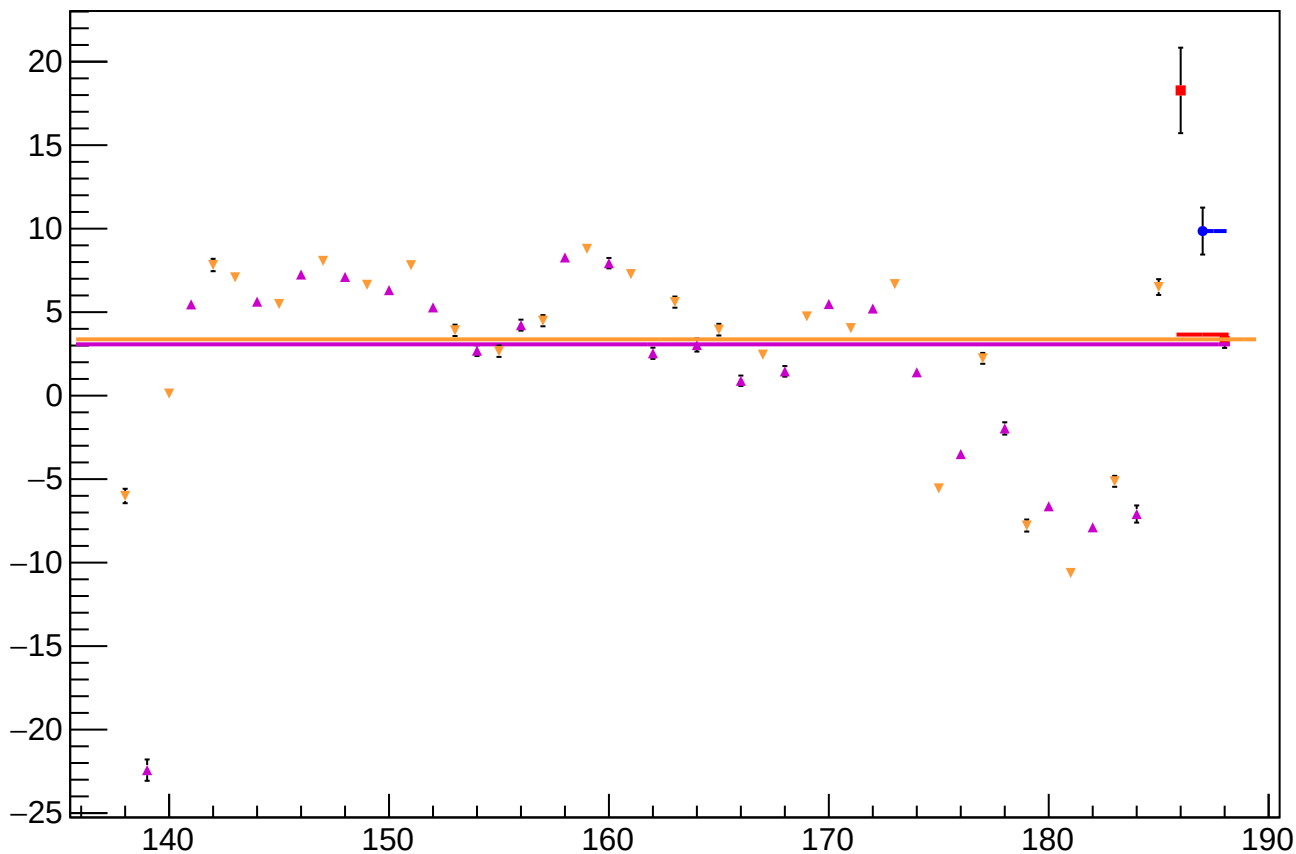
Right: -1.514 ± 0.266 $\chi^2/\text{NDF}: 143.1/2$

In: 13.098 ± 0.076 $\chi^2/\text{NDF}: 14500.5/23$

Out: 12.197 ± 0.073 $\chi^2/\text{NDF}: 19682.1/26$

All: 12.626 ± 0.053 $\chi^2/\text{NDF}: 34255.5/50$

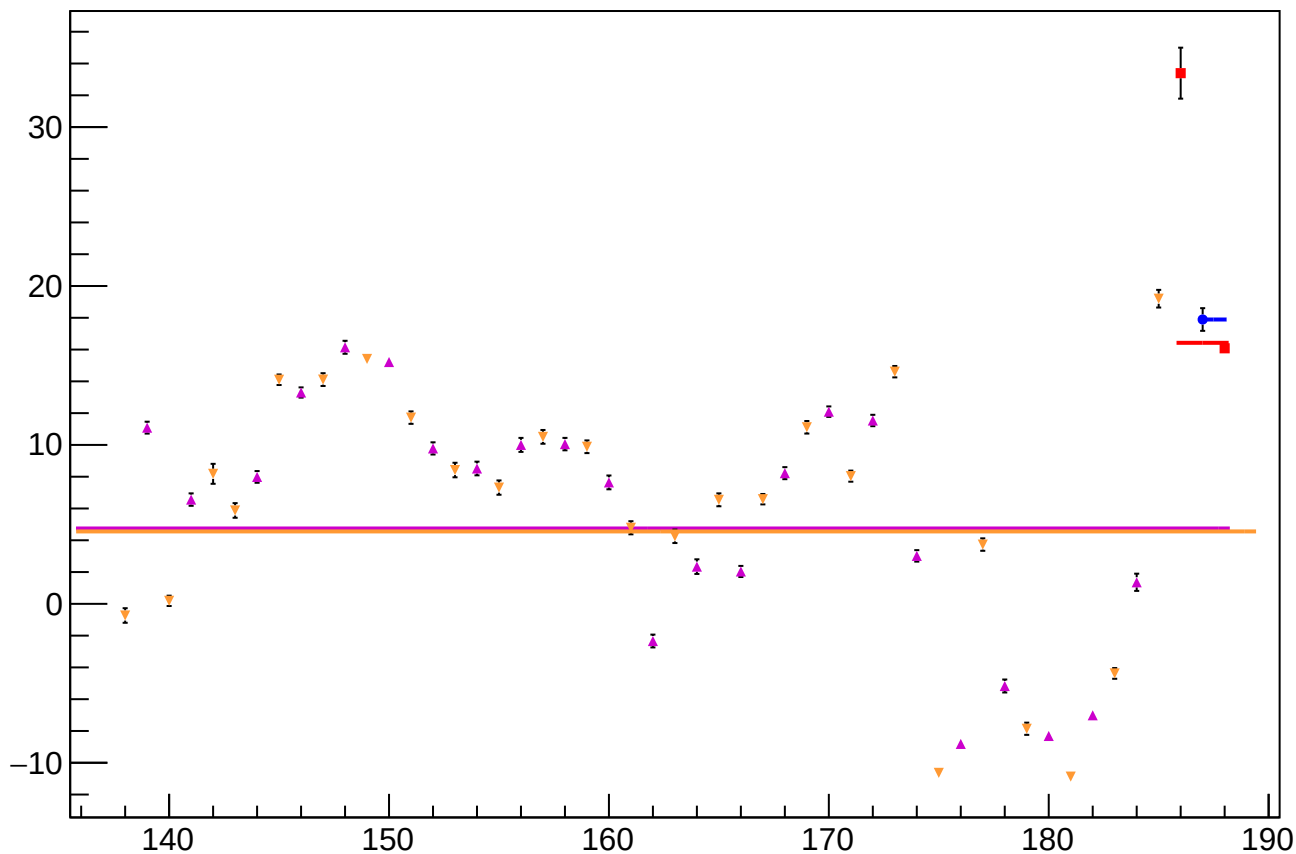
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.855 $\pm$ 1.405 χ^2 /NDF: 0.0/0
 Left Out: 3.372 $\pm$ 0.059 χ^2 /NDF:8053.7/24
 Right Out: 3.656 $\pm$ 0.409 χ^2 /NDF: 33.5/1
 Left In: 3.071 $\pm$ 0.060 χ^2 /NDF:7269.0/22

Left: 3.226 $\pm$ 0.042 χ^2 /NDF: 15335.5/47
 Right: 4.140 $\pm$ 0.393 χ^2 /NDF: 51.4/2
 In: 3.084 $\pm$ 0.060 χ^2 /NDF:7292.3/23
 Out: 3.377 $\pm$ 0.058 χ^2 /NDF:8087.7/26
 All: 3.237 $\pm$ 0.042 χ^2 /NDF: 15392.3/50

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.892 $\pm$ 0.713 χ^2 /NDF: 0.0/0

Left Out: 4.557 $\pm$ 0.076 χ^2 /NDF:13588.4/24

Right Out: 16.425 $\pm$ 0.226 χ^2 /NDF: 114.2/1

Left In: 4.741 $\pm$ 0.076 χ^2 /NDF:11418.2/22

Left: 4.648 $\pm$ 0.054 χ^2 /NDF: 25009.5/47

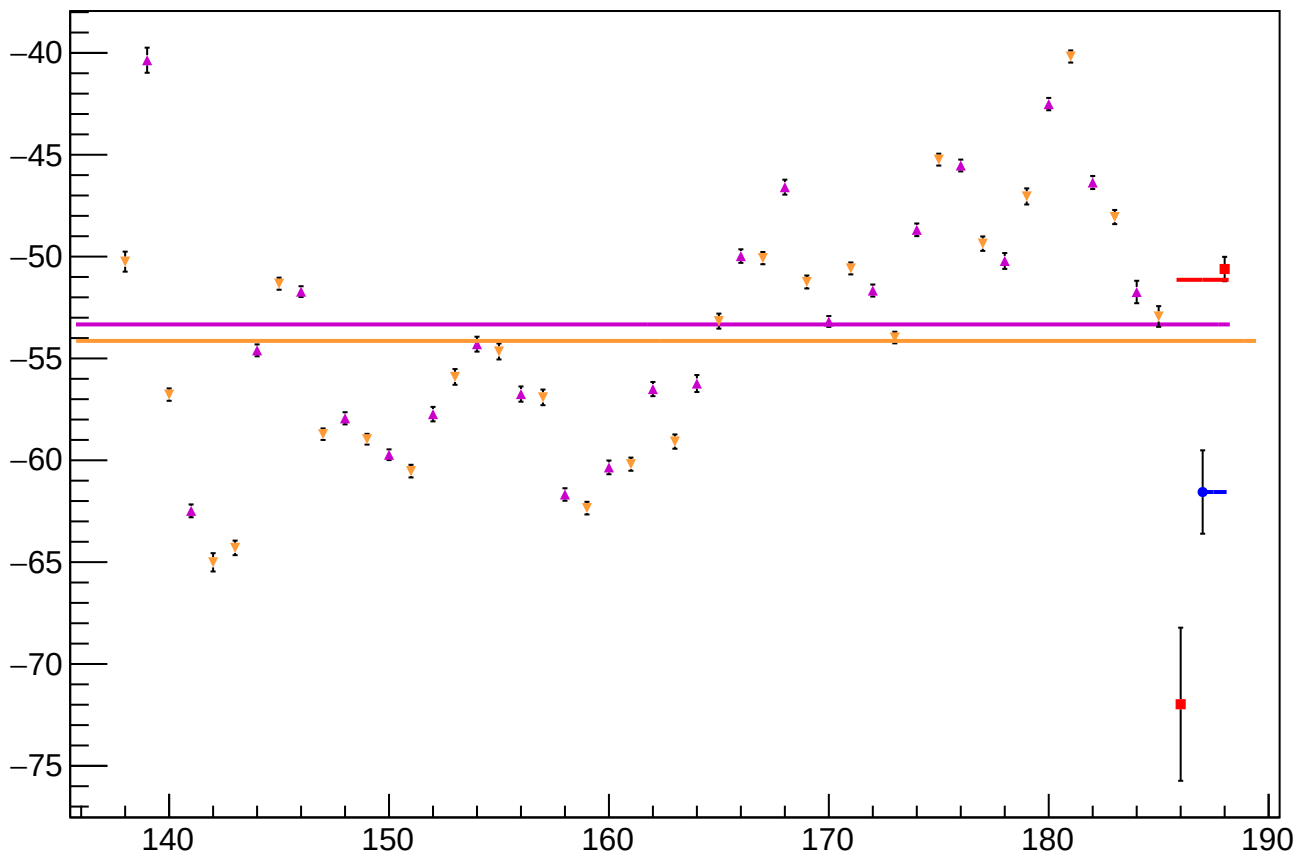
Right: 16.559 $\pm$ 0.216 χ^2 /NDF: 118.0/2

In: 4.891 $\pm$ 0.076 χ^2 /NDF:11754.2/23

Out: 5.746 $\pm$ 0.072 χ^2 /NDF:16175.3/26

All: 5.343 $\pm$ 0.052 χ^2 /NDF: 27996.6/50

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -61.557 ± 2.047 χ^2/NDF : 0.0/0

Left Out: -54.139 ± 0.067 χ^2/NDF : 8301.1/24

Right Out: -51.139 ± 0.592 χ^2/NDF : 31.5/1

Left In: -53.330 ± 0.068 χ^2/NDF : 6940.2/22

Left: -53.745 ± 0.048 χ^2/NDF : 15313.2/47

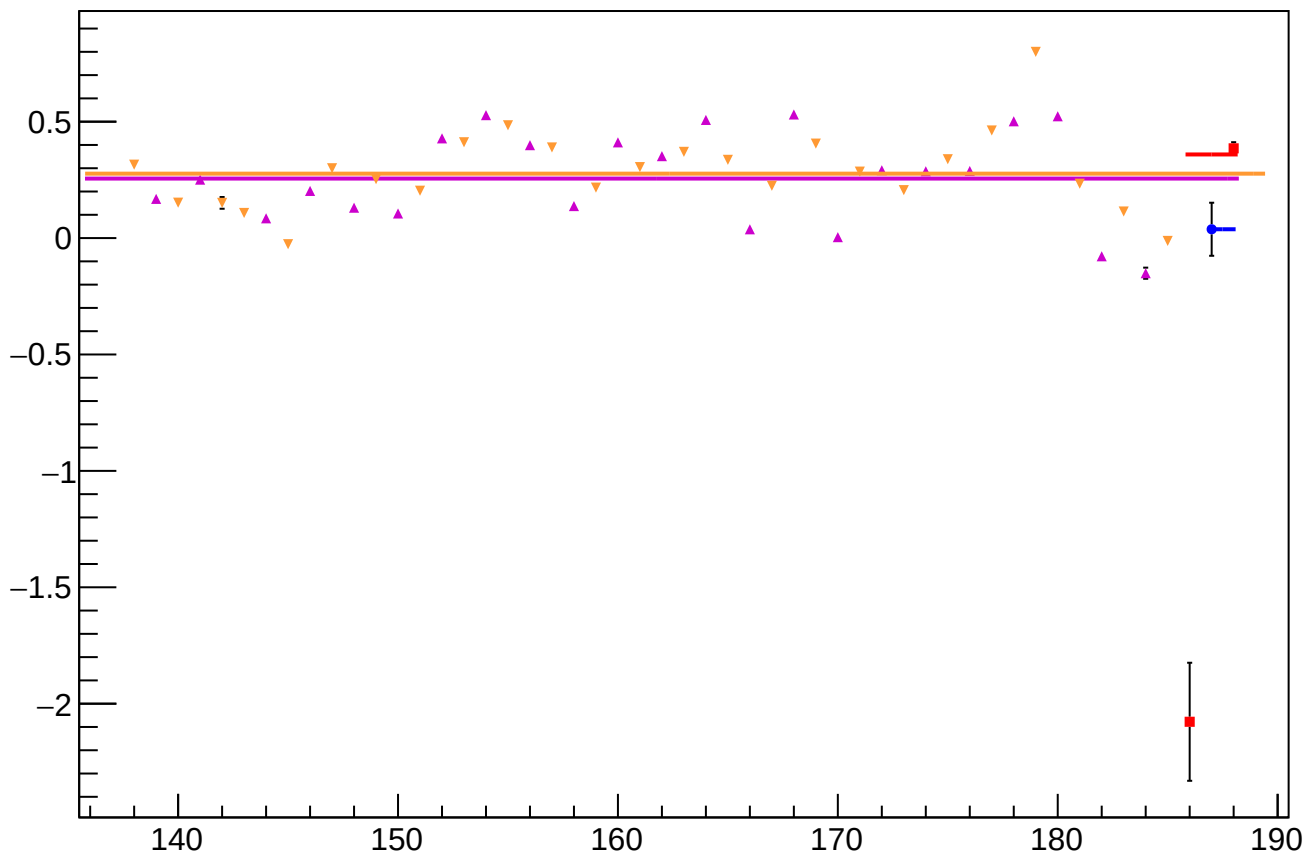
Right: -51.942 ± 0.568 χ^2/NDF : 55.4/2

In: -53.340 ± 0.068 χ^2/NDF : 6956.3/23

Out: -54.101 ± 0.066 χ^2/NDF : 8358.0/26

All: -53.732 ± 0.047 χ^2/NDF : 15378.6/50

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.038 $\pm$ 0.114 χ^2 /NDF: 0.0/0

Left Out: 0.277 $\pm$ 0.003 χ^2 /NDF:2606.0/24

Right Out: 0.359 $\pm$ 0.026 χ^2 /NDF: 93.4/1

Left In: 0.256 $\pm$ 0.003 χ^2 /NDF:3644.0/22

Left: 0.266 $\pm$ 0.002 χ^2 /NDF: 6273.6/47

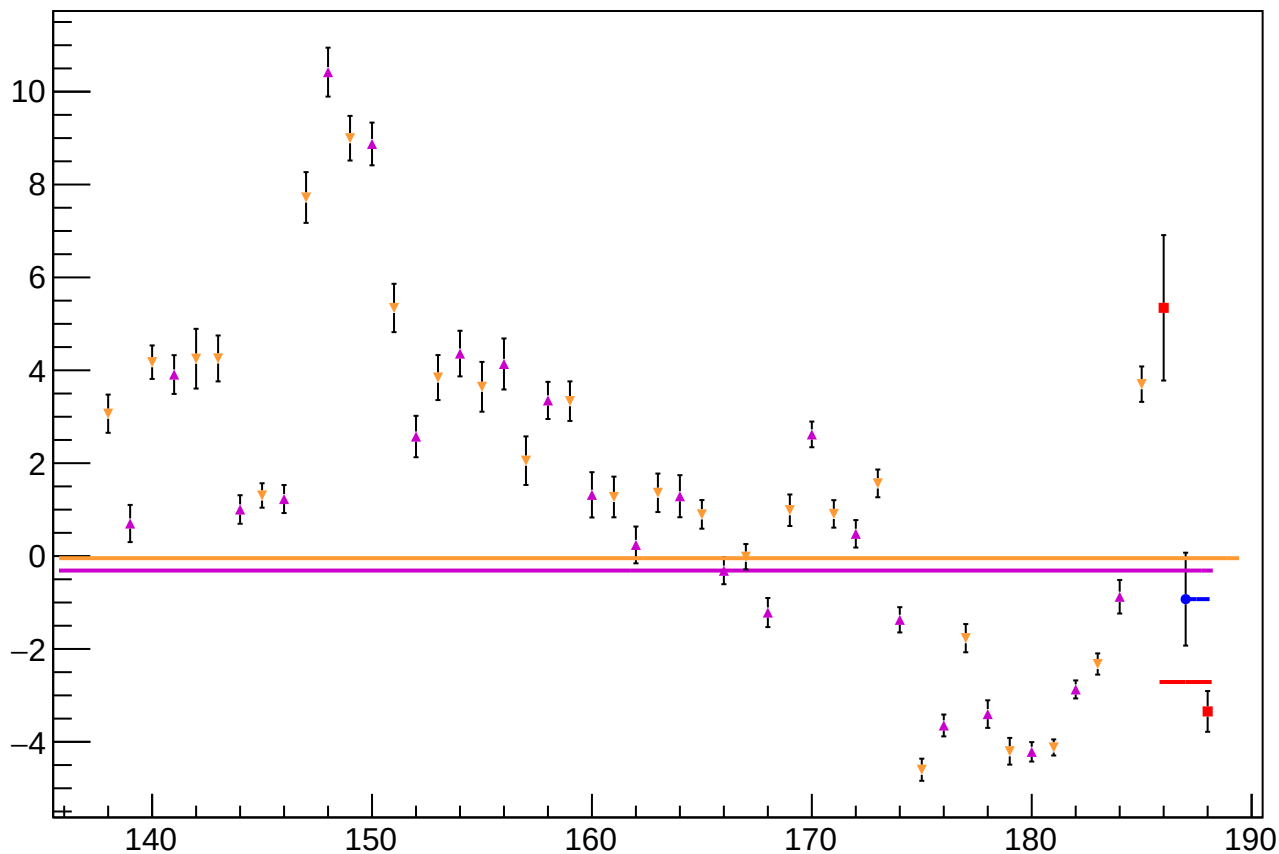
Right: 0.343 $\pm$ 0.026 χ^2 /NDF: 100.9/2

In: 0.255 $\pm$ 0.003 χ^2 /NDF:3647.6/23

Out: 0.278 $\pm$ 0.003 χ^2 /NDF:2709.2/26

All: 0.267 $\pm$ 0.002 χ^2 /NDF: 6383.5/50

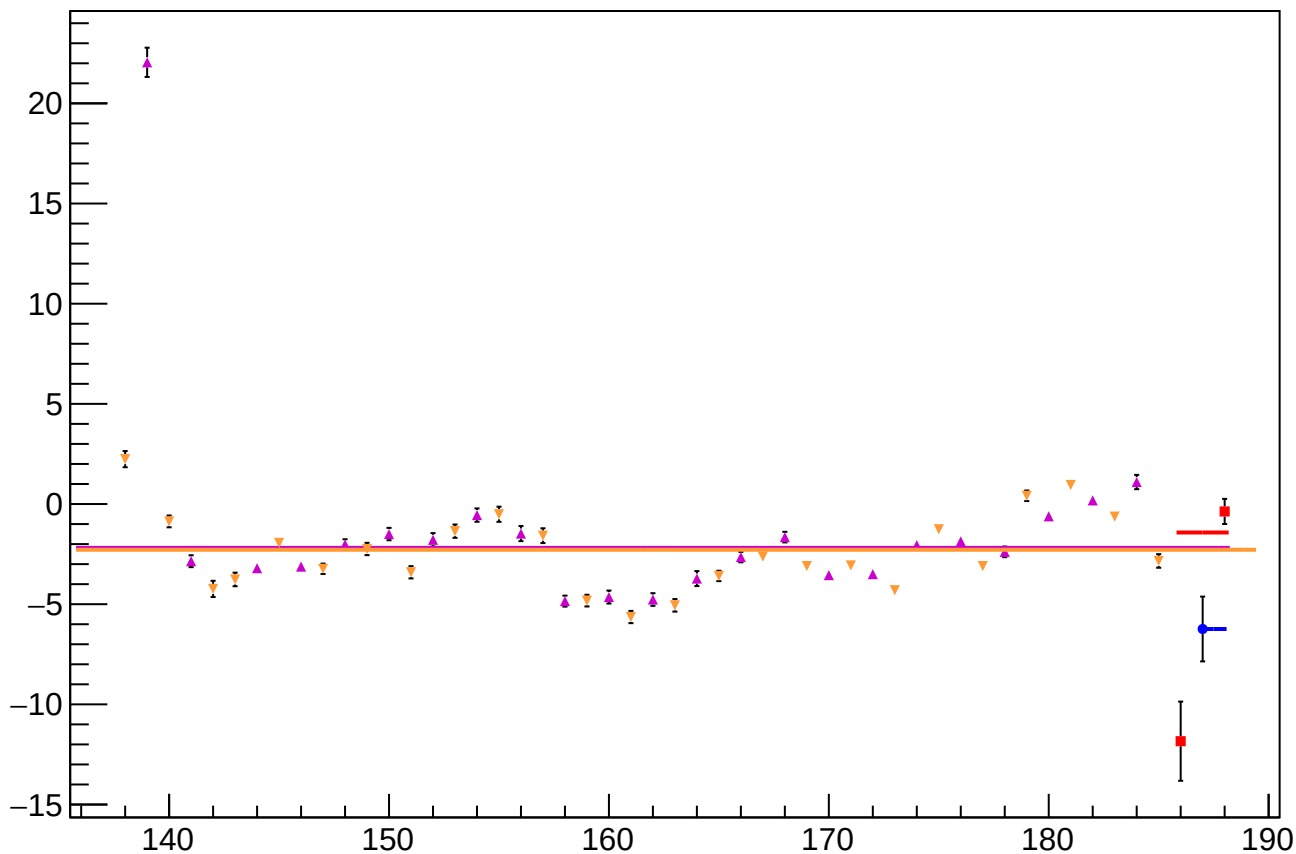
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.927 ± 1.000 χ^2/NDF : 0.0/0
 Left Out: -0.046 ± 0.066 χ^2/NDF : 2628.9/24
 Right Out: -2.712 ± 0.423 χ^2/NDF : 28.6/1
 Left In: -0.312 ± 0.067 χ^2/NDF : 2252.6/22

Left: -0.177 ± 0.047 χ^2/NDF : 4889.5/47
 Right: -2.442 ± 0.389 χ^2/NDF : 31.3/2
 In: -0.315 ± 0.067 χ^2/NDF : 2253.0/23
 Out: -0.109 ± 0.065 χ^2/NDF : 2696.3/26
 All: -0.210 ± 0.047 χ^2/NDF : 4954.1/50

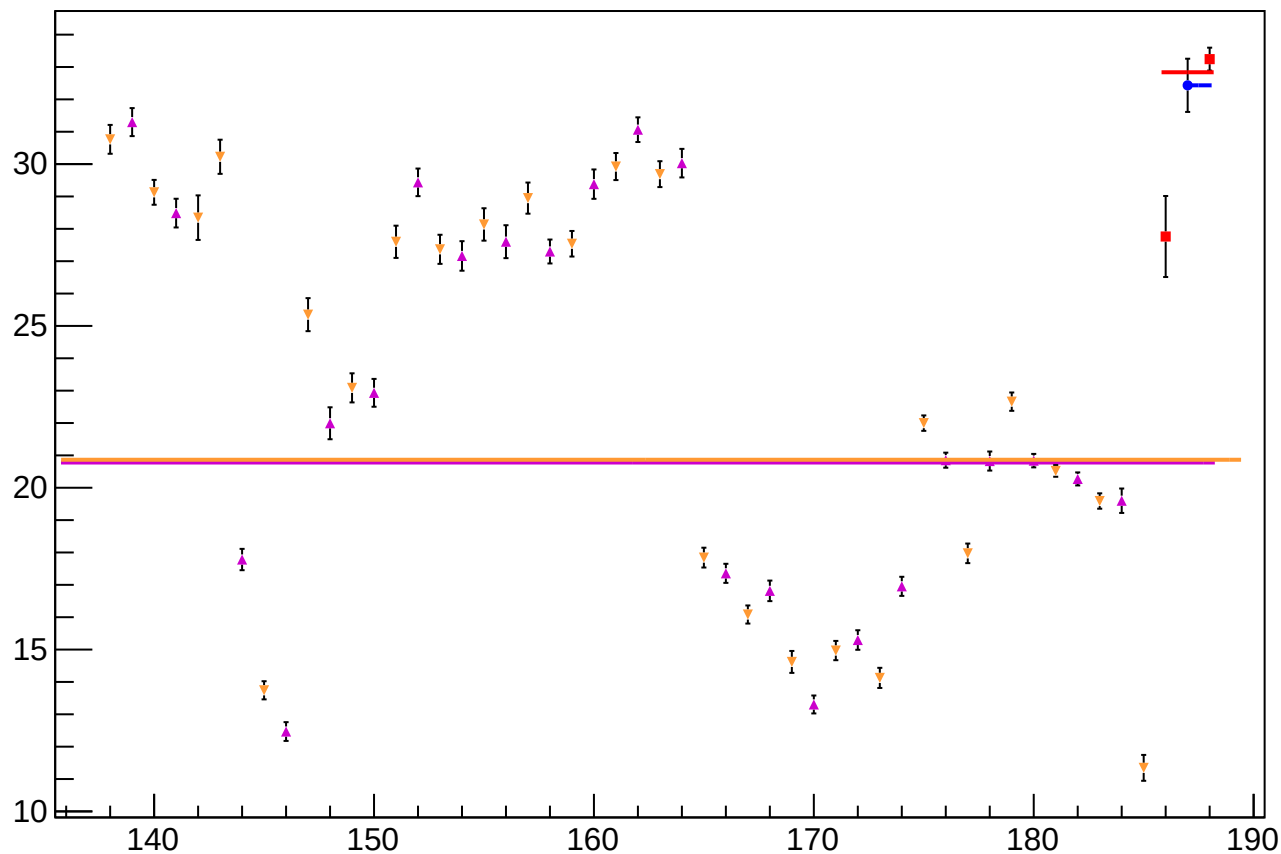
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.238+/-1.618 χ^2/NDF : 0.0/0
 Left Out: -2.283+/-0.054 χ^2/NDF :1132.1/24
 Right Out: -1.421+/-0.598 χ^2/NDF : 30.6/1
 Left In: -2.190+/-0.055 χ^2/NDF :1785.1/22

Left: -2.237+/-0.039 χ^2/NDF : 2918.6/47
 Right: -2.001+/-0.561 χ^2/NDF : 38.4/2
 In: -2.194+/-0.055 χ^2/NDF :1791.3/23
 Out: -2.276+/-0.054 χ^2/NDF :1164.7/26
 All: -2.236+/-0.038 χ^2/NDF : 2957.2/50

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 32.434 $\pm$ 0.822 χ^2 /NDF: 0.0/0

Left Out: 20.865 $\pm$ 0.067 χ^2 /NDF:6608.4/24

Right Out: 32.838 $\pm$ 0.341 χ^2 /NDF: 17.7/1

Left In: 20.780 $\pm$ 0.067 χ^2 /NDF:5988.0/22

Left: 20.823 $\pm$ 0.047 χ^2 /NDF: 12597.2/47

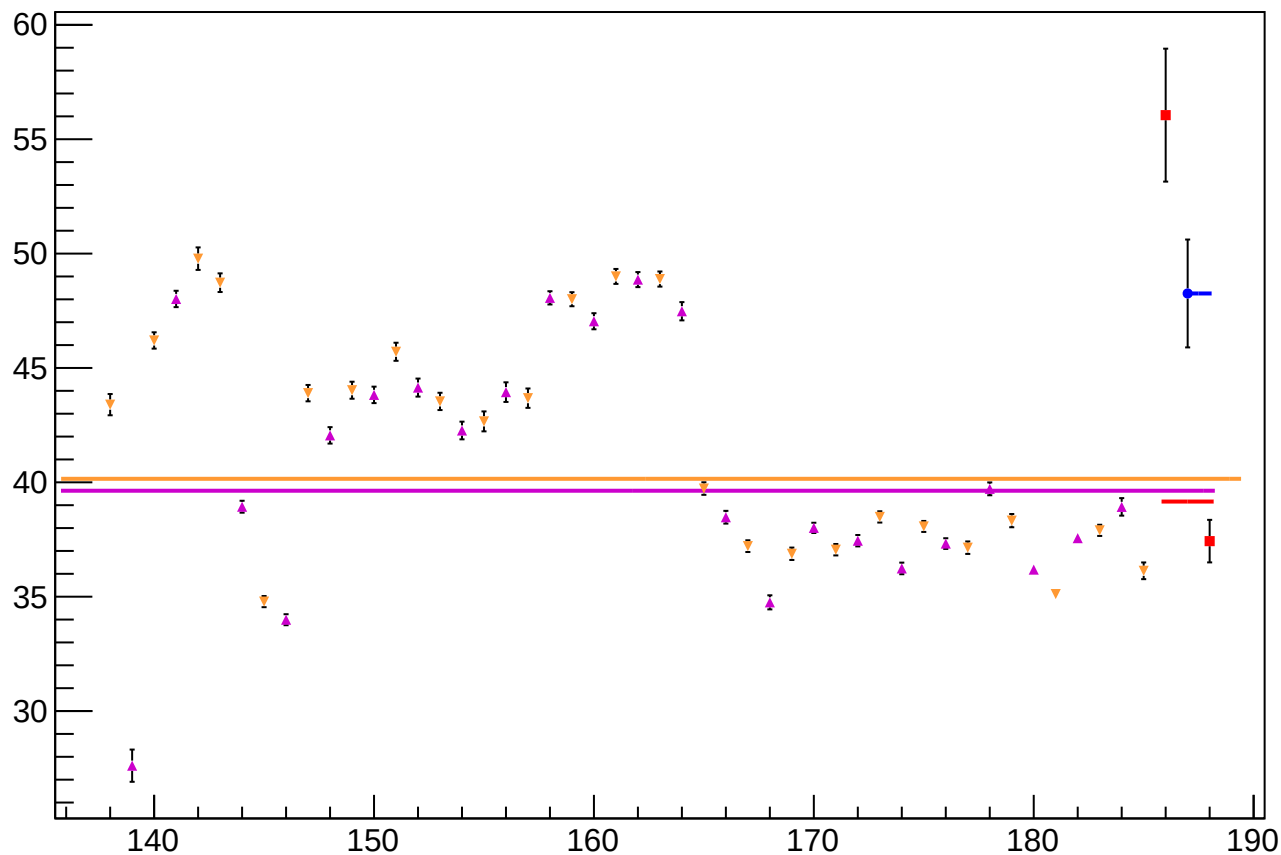
Right: 32.779 $\pm$ 0.315 χ^2 /NDF: 18.0/2

In: 20.857 $\pm$ 0.067 χ^2 /NDF:6187.7/23

Out: 21.308 $\pm$ 0.066 χ^2 /NDF:7816.0/26

All: 21.088 $\pm$ 0.047 χ^2 /NDF: 14026.8/50

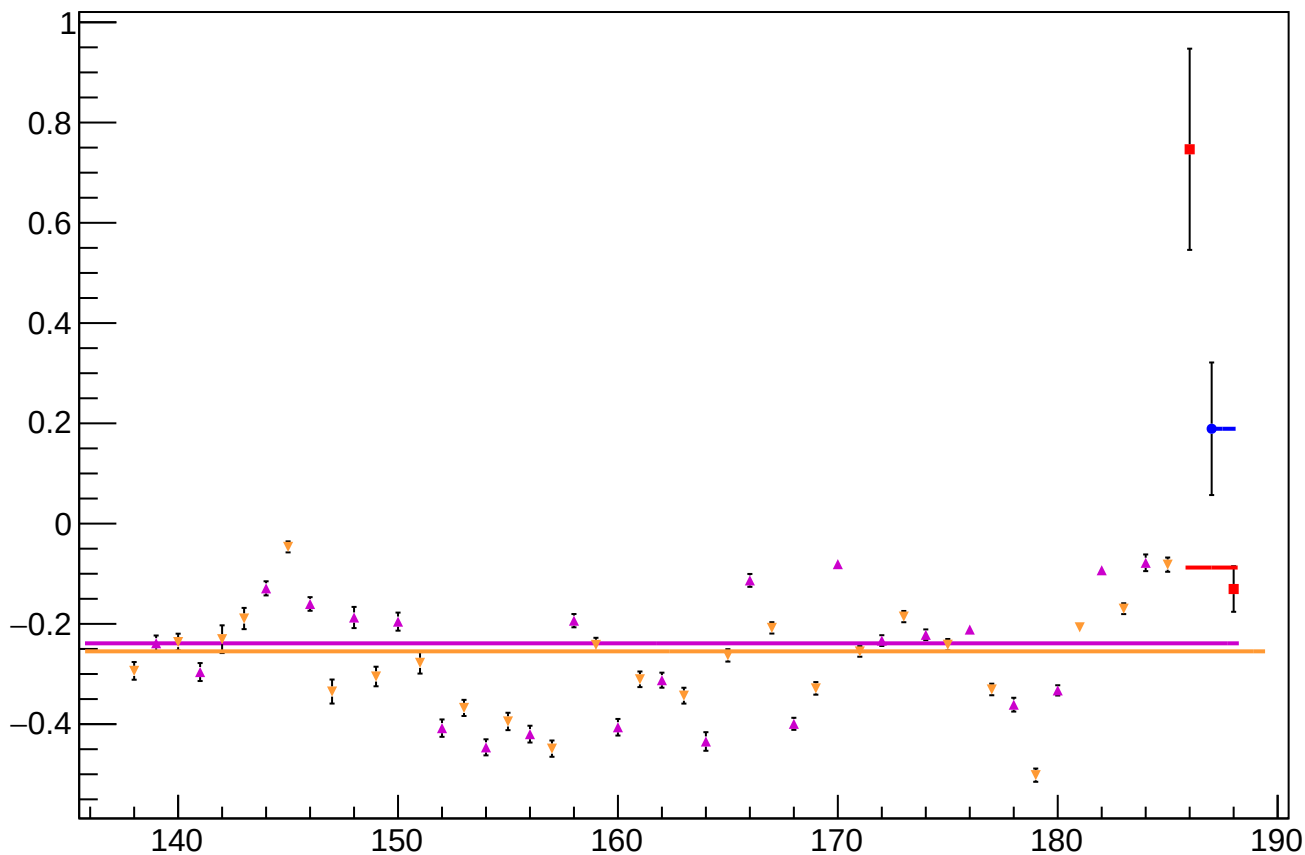
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 48.257 $\pm$ 2.358 χ^2 /NDF: 0.0/0
 Left Out: 40.154 $\pm$ 0.060 χ^2 /NDF:5861.6/24
 Right Out: 39.159 $\pm$ 0.886 χ^2 /NDF: 37.3/1
 Left In: 39.632 $\pm$ 0.061 χ^2 /NDF:5343.3/22

Left: 39.896 $\pm$ 0.043 χ^2 /NDF: 11241.6/47
 Right: 40.284 $\pm$ 0.829 χ^2 /NDF: 50.3/2
 In: 39.638 $\pm$ 0.061 χ^2 /NDF:5356.7/23
 Out: 40.149 $\pm$ 0.060 χ^2 /NDF:5900.1/26
 All: 39.897 $\pm$ 0.043 χ^2 /NDF: 11292.1/50

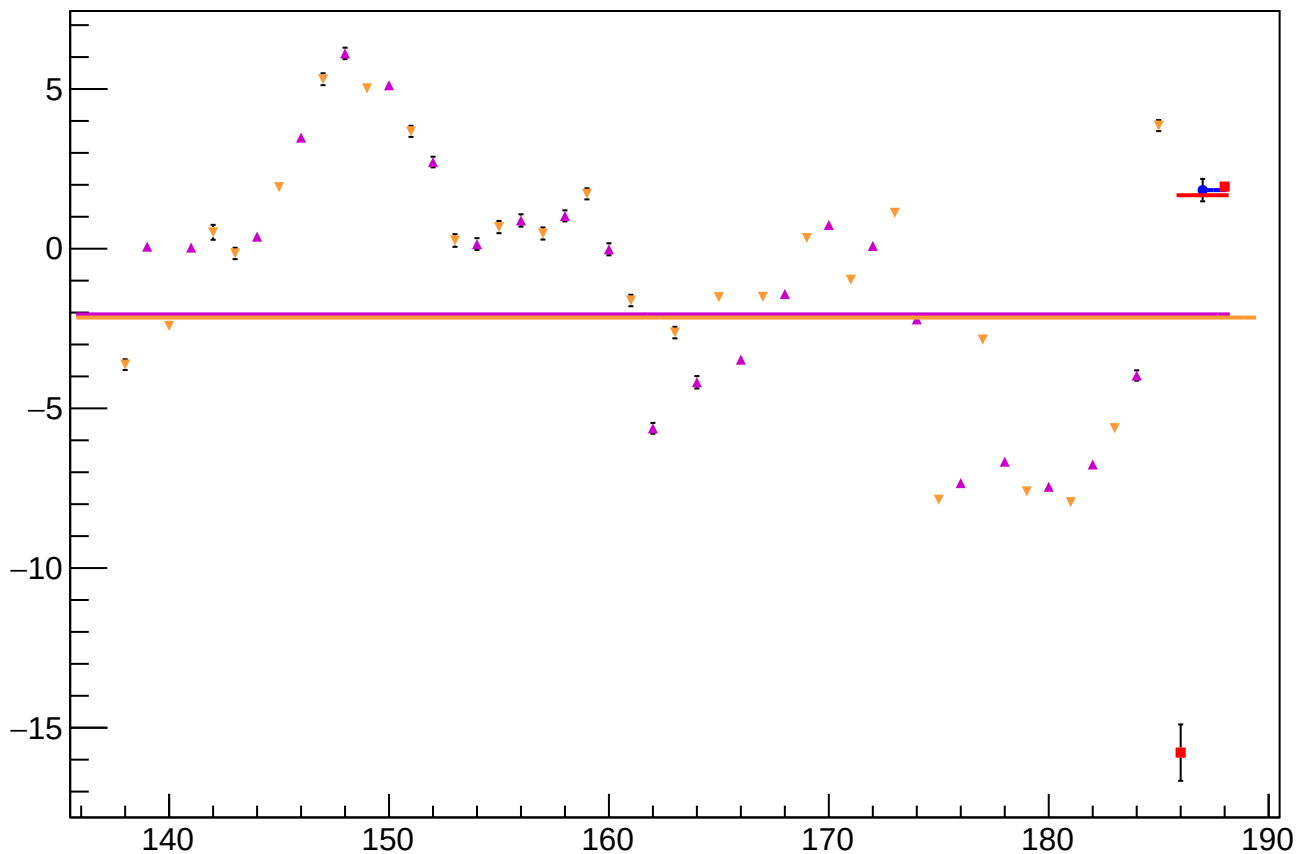
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.189 ± 0.132 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -0.255 ± 0.003 $\chi^2/\text{NDF}: 1417.7/24$
 Right Out: -0.088 ± 0.044 $\chi^2/\text{NDF}: 18.2/1$
 Left In: -0.239 ± 0.003 $\chi^2/\text{NDF}: 1750.0/22$

Left: -0.247 ± 0.002 $\chi^2/\text{NDF}: 3184.5/47$
 Right: -0.060 ± 0.042 $\chi^2/\text{NDF}: 22.1/2$
 In: -0.239 ± 0.003 $\chi^2/\text{NDF}: 1760.5/23$
 Out: -0.254 ± 0.003 $\chi^2/\text{NDF}: 1450.0/26$
 All: -0.246 ± 0.002 $\chi^2/\text{NDF}: 3226.4/50$

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



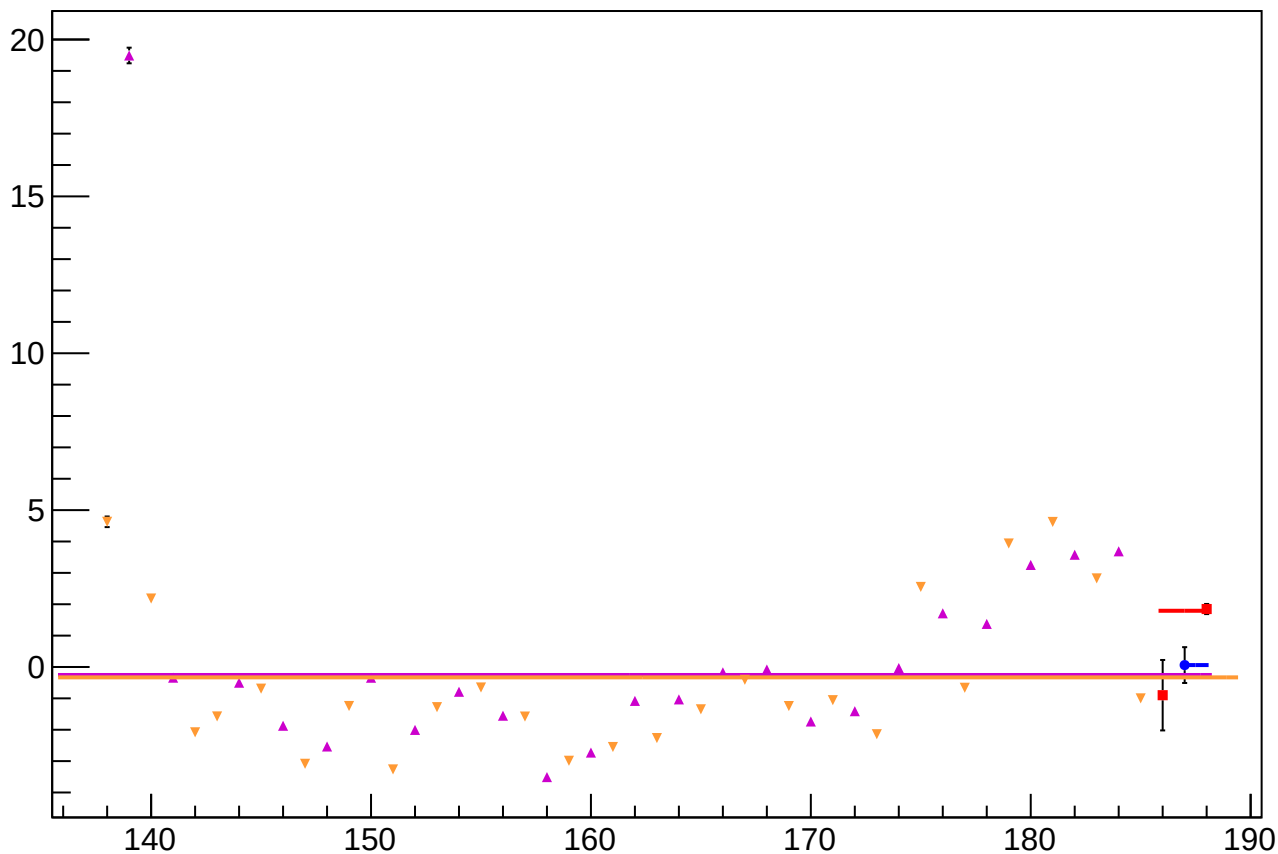
Right In: 1.834+/-0.352 χ^2/NDF : 0.0/0
 Left Out: -2.156+/-0.026 χ^2/NDF : 24501.3/24
 Right Out: 1.674+/-0.109 χ^2/NDF : 397.3/1
 Left In: -2.058+/-0.026 χ^2/NDF : 23343.8/22

Left: -2.107+/-0.018 χ^2/NDF : 47852.3/47
 Right: 1.688+/-0.104 χ^2/NDF : 397.5/2

In: -2.037+/-0.026 χ^2/NDF : 23465.6/23
 Out: -1.954+/-0.025 χ^2/NDF : 26071.6/26

All: -1.994+/-0.018 χ^2/NDF : 49542.5/50

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.061+/-0.571 χ^2/NDF : 0.0/0

Left Out: -0.331+/-0.021 χ^2/NDF :12552.3/24

Right Out: 1.792+/-0.160 χ^2/NDF : 5.9/1

Left In: -0.255+/-0.021 χ^2/NDF :14162.0/22

Left: -0.293+/-0.015 χ^2/NDF : 26721.1/47

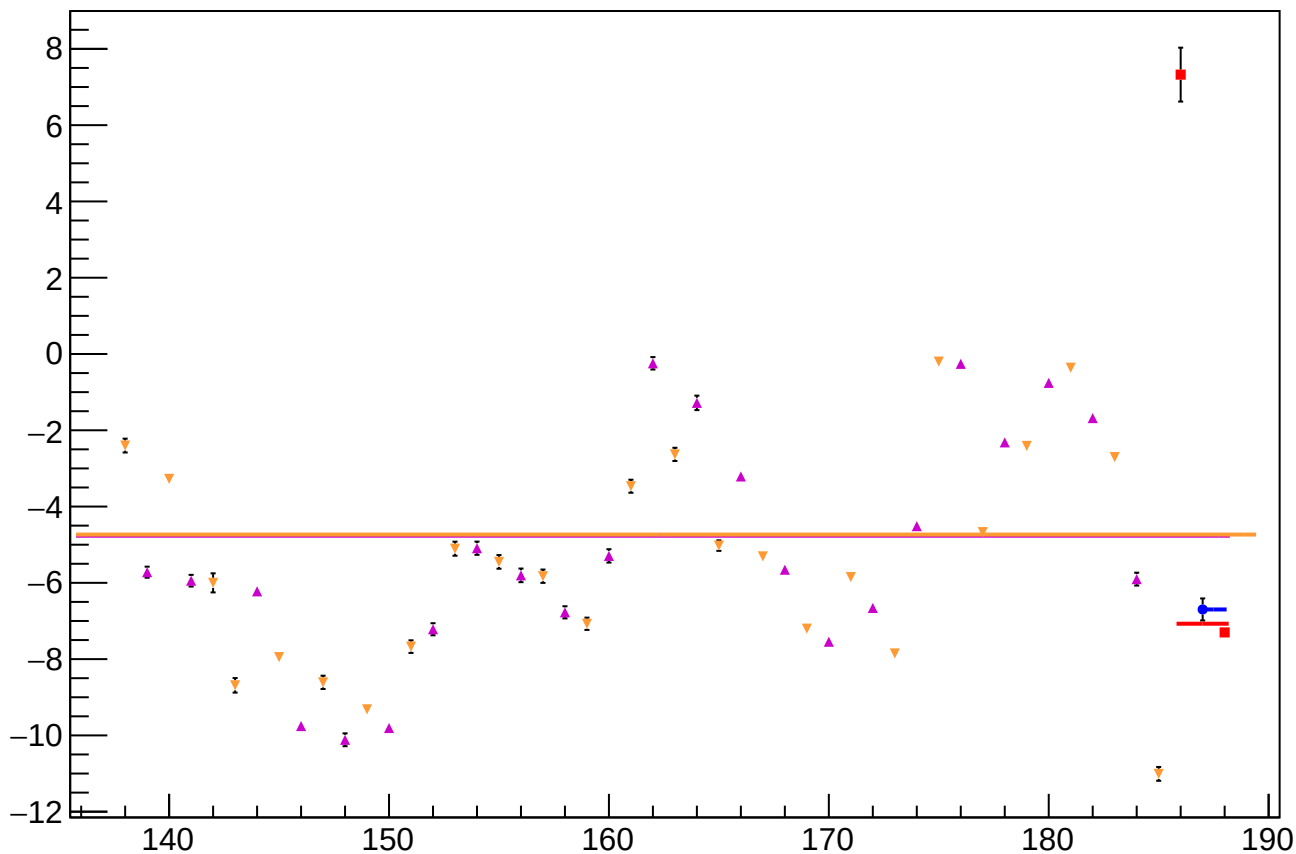
Right: 1.666+/-0.154 χ^2/NDF : 14.4/2

In: -0.254+/-0.021 χ^2/NDF :14162.3/23

Out: -0.296+/-0.020 χ^2/NDF :12731.9/26

All: -0.276+/-0.015 χ^2/NDF : 26896.2/50

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



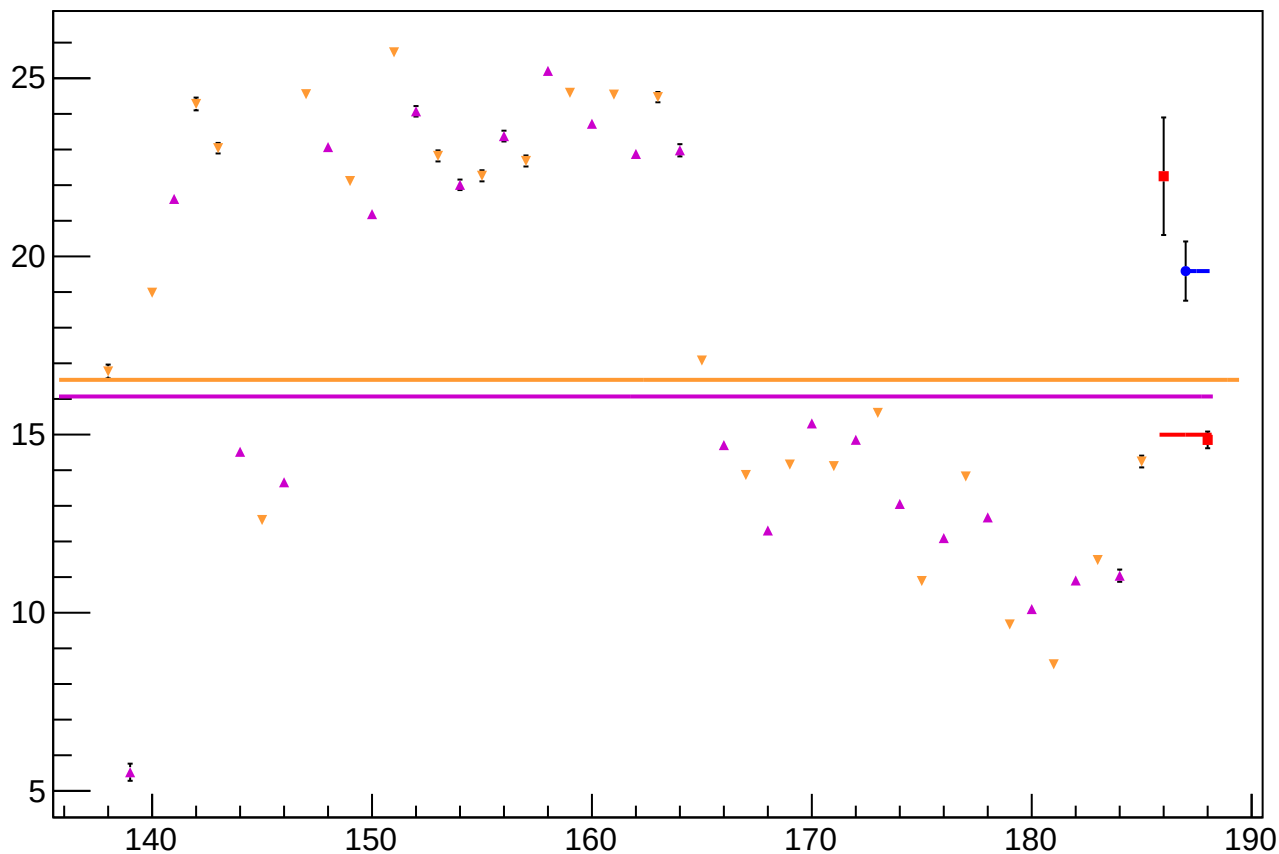
Right In: -6.698 $\pm$ 0.289 χ^2 /NDF: 0.0/0
 Left Out: -4.734 $\pm$ 0.026 χ^2 /NDF:13188.7/24
 Right Out: -7.072 $\pm$ 0.088 χ^2 /NDF: 421.6/1
 Left In: -4.764 $\pm$ 0.026 χ^2 /NDF:14163.2/22

Left: -4.749 $\pm$ 0.018 χ^2 /NDF: 27352.6/47
 Right: -7.040 $\pm$ 0.084 χ^2 /NDF: 423.2/2

In: -4.780 $\pm$ 0.026 χ^2 /NDF:14207.5/23
 Out: -4.919 $\pm$ 0.025 χ^2 /NDF:14257.2/26

All: -4.852 $\pm$ 0.018 χ^2 /NDF: 28479.8/50

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.589 $\pm$ 0.831 χ^2 /NDF: 0.0/0

Left Out: 16.536 $\pm$ 0.023 χ^2 /NDF:53546.9/24

Right Out: 14.996 $\pm$ 0.232 χ^2 /NDF: 19.7/1

Left In: 16.069 $\pm$ 0.023 χ^2 /NDF:42736.3/22

Left: 16.306 $\pm$ 0.016 χ^2 /NDF: 96483.6/47

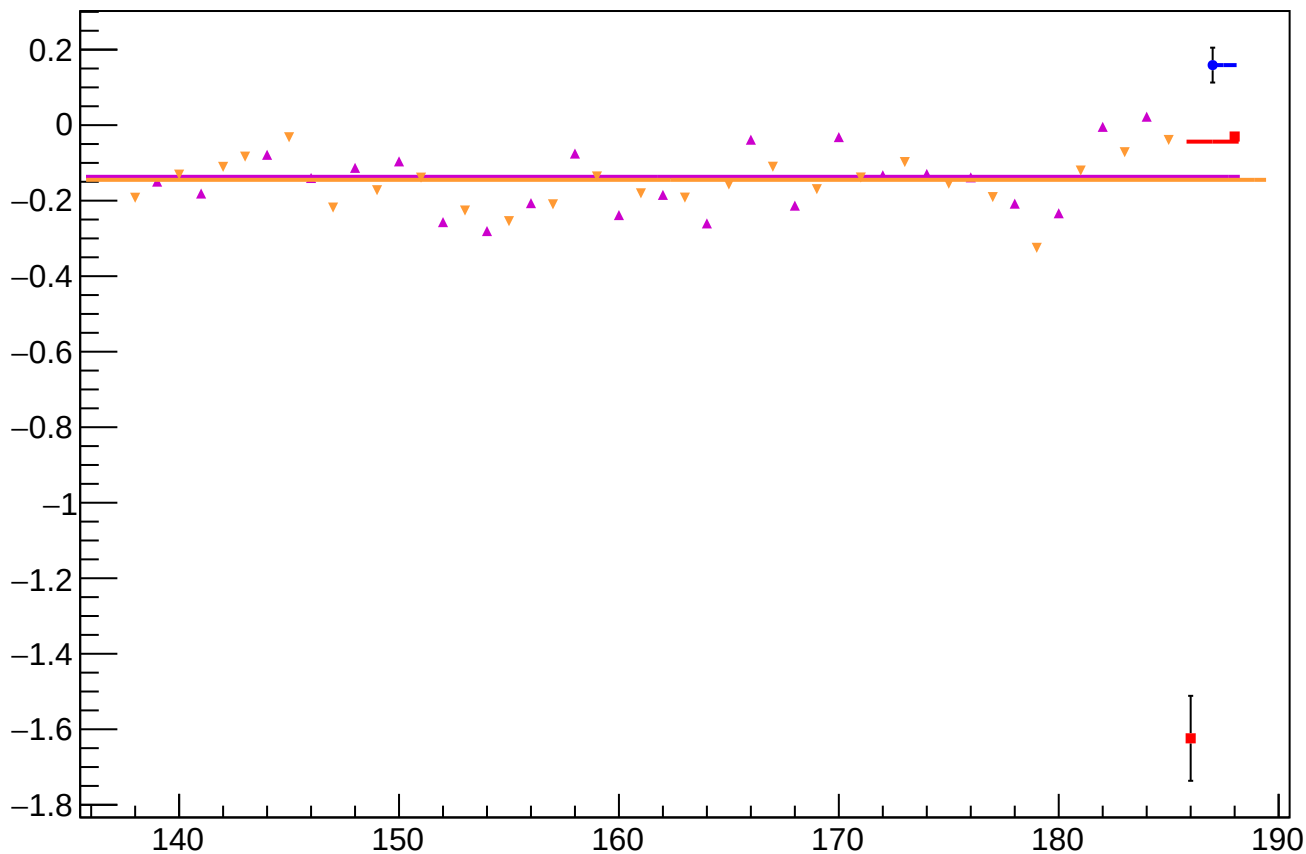
Right: 15.327 $\pm$ 0.223 χ^2 /NDF: 48.0/2

In: 16.072 $\pm$ 0.023 χ^2 /NDF:42754.2/23

Out: 16.521 $\pm$ 0.023 χ^2 /NDF:53610.4/26

All: 16.300 $\pm$ 0.016 χ^2 /NDF: 96550.7/50

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.159+/-0.046 χ^2/NDF : 0.0/0

Left Out: -0.145+/-0.001 χ^2/NDF : 3755.1/24

Right Out: -0.044+/-0.010 χ^2/NDF : 199.0/1

Left In: -0.137+/-0.001 χ^2/NDF : 5383.4/22

Left: -0.141+/-0.001 χ^2/NDF : 9167.1/47

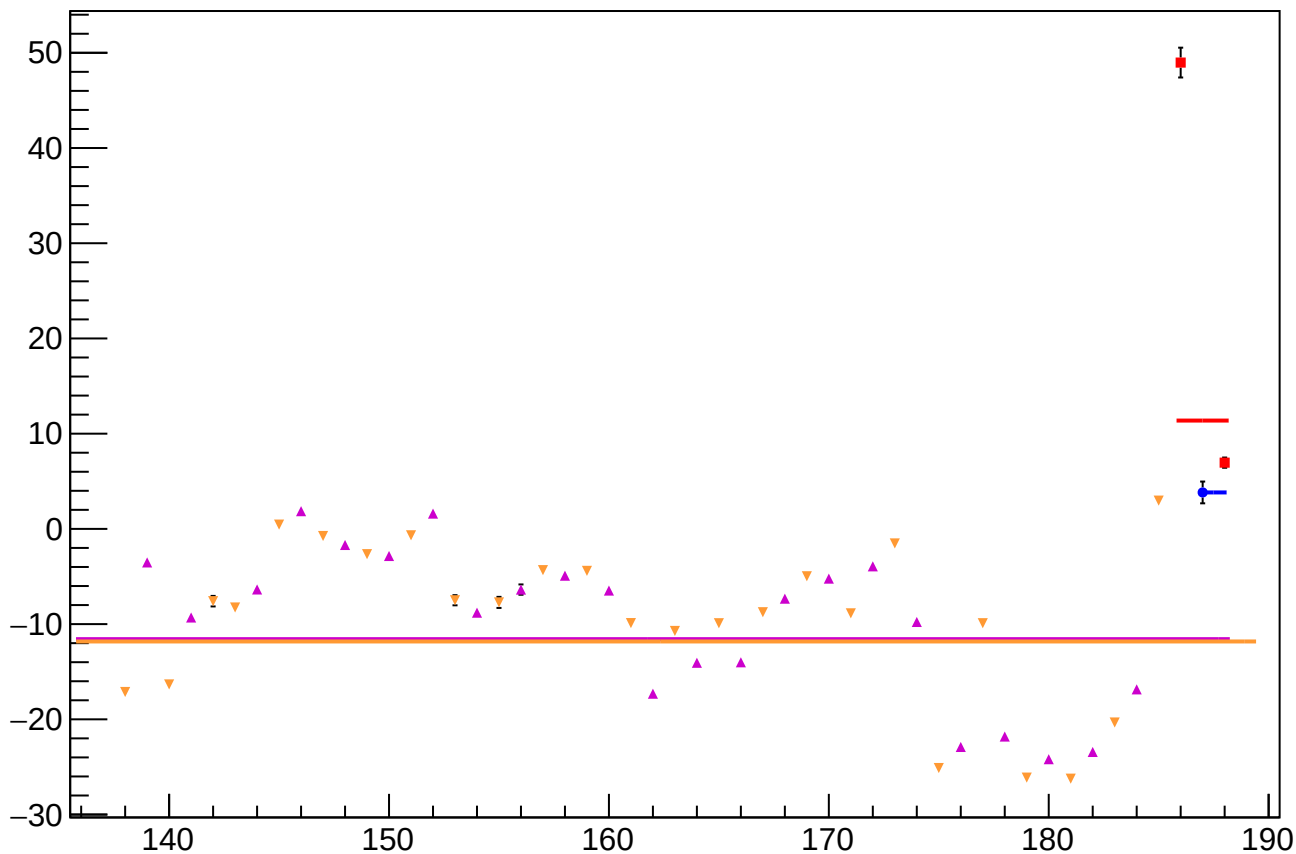
Right: -0.034+/-0.010 χ^2/NDF : 217.3/2

In: -0.137+/-0.001 χ^2/NDF : 5424.4/23

Out: -0.144+/-0.001 χ^2/NDF : 4048.3/26

All: -0.140+/-0.001 χ^2/NDF : 9495.5/50

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 3.828+/-1.143 χ^2/NDF : 0.0/0

Left Out: -11.823+/-0.070 χ^2/NDF :17277.3/24

Right Out: 11.376+/-0.508 χ^2/NDF : 644.3/1

Left In: -11.580+/-0.071 χ^2/NDF :14243.6/22

Left: -11.703+/-0.050 χ^2/NDF : 31526.7/47

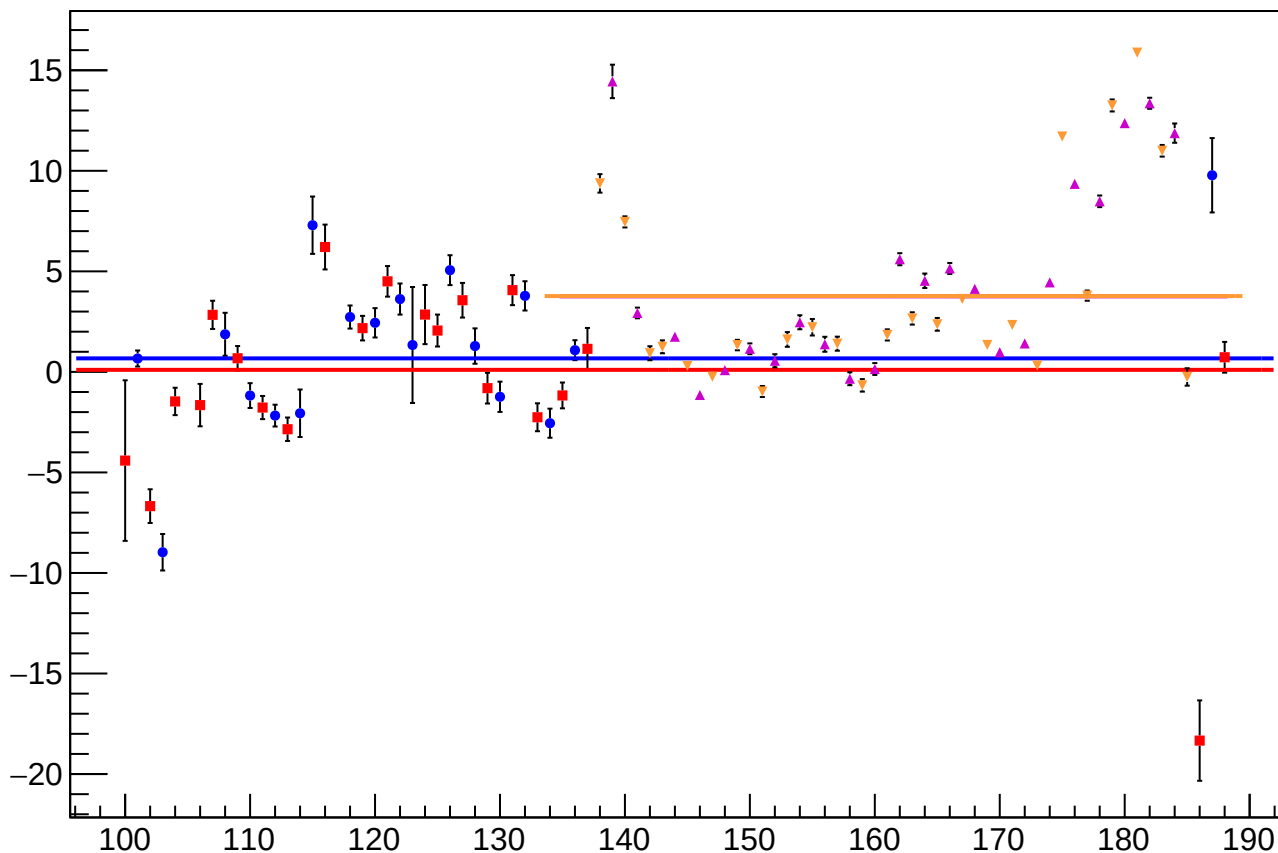
Right: 10.132+/-0.464 χ^2/NDF : 680.7/2

In: -11.520+/-0.071 χ^2/NDF :14424.7/23

Out: -11.385+/-0.070 χ^2/NDF :19968.9/26

All: -11.452+/-0.050 χ^2/NDF : 34395.4/50

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.672 ± 0.168 χ^2/NDF : 315.6/17

Left Out: 3.770 ± 0.056 χ^2/NDF : 7420.4/24

Right Out: 0.101 ± 0.170 χ^2/NDF : 359.6/20

Left In: 3.755 ± 0.056 χ^2/NDF : 5655.2/22

Left: 3.763 ± 0.040 χ^2/NDF : 13075.6/47

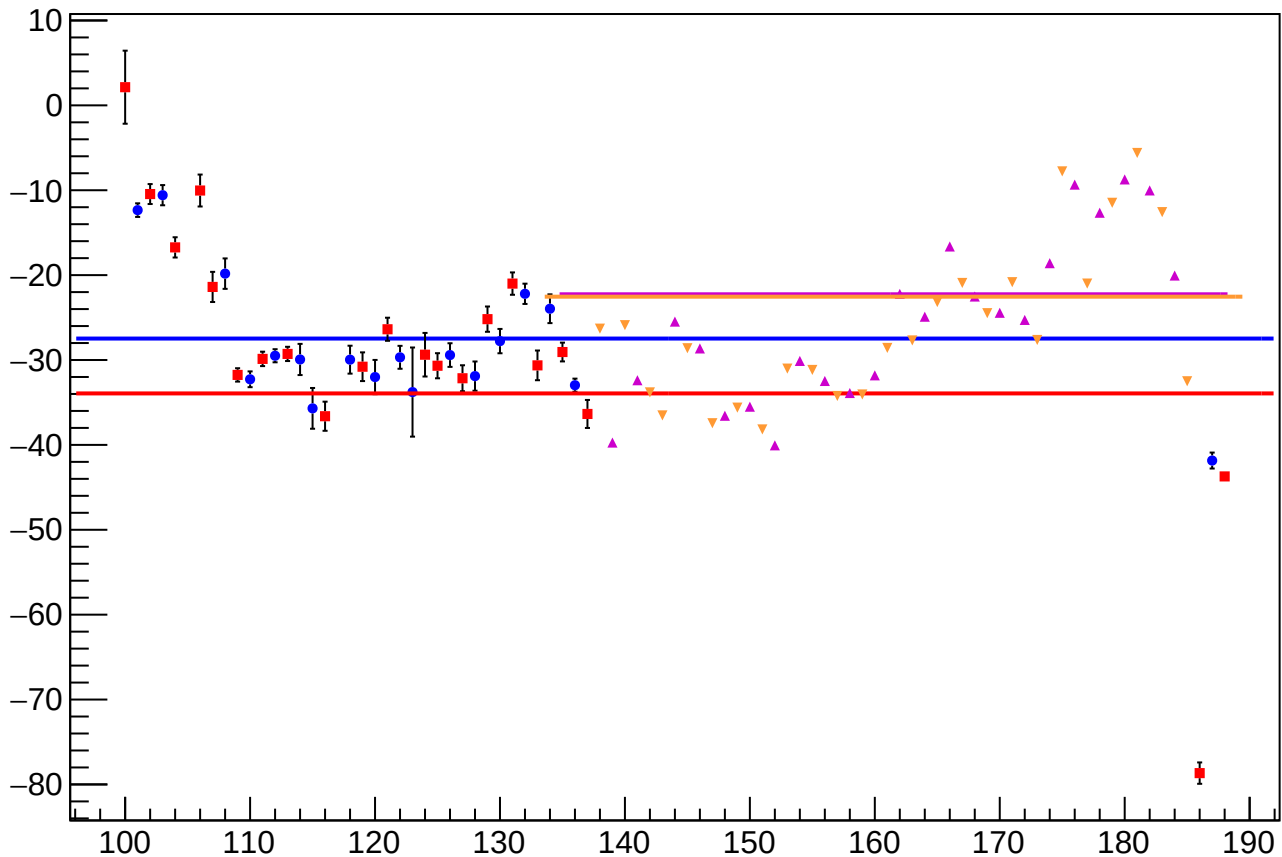
Right: 0.389 ± 0.119 χ^2/NDF : 681.0/38

In: 3.444 ± 0.054 χ^2/NDF : 6272.6/40

Out: 3.414 ± 0.053 χ^2/NDF : 8202.3/45

All: 3.429 ± 0.038 χ^2/NDF : 14475.0/86

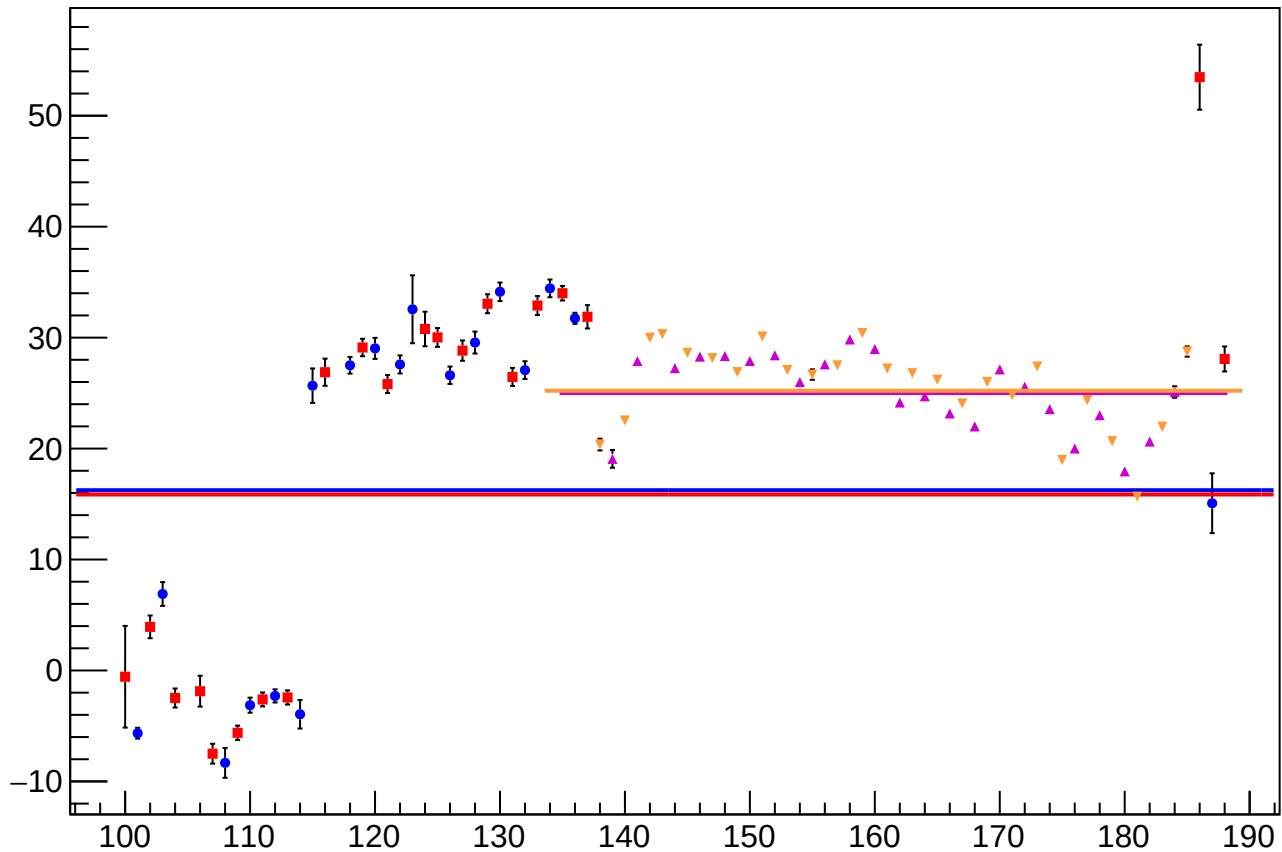
reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -27.473 ± 0.285 $\chi^2/\text{NDF}: 950.7/17$
 Left Out: -22.540 ± 0.071 $\chi^2/\text{NDF}: 19751.6/24$
 Right Out: -33.936 ± 0.241 $\chi^2/\text{NDF}: 2925.1/20$
 Left In: -22.258 ± 0.071 $\chi^2/\text{NDF}: 17838.4/22$

Left: -22.400 ± 0.050 $\chi^2/\text{NDF}: 37597.8/47$
 Right: -31.249 ± 0.184 $\chi^2/\text{NDF}: 4175.5/38$
 In: -22.565 ± 0.069 $\chi^2/\text{NDF}: 19103.2/40$
 Out: -23.447 ± 0.068 $\chi^2/\text{NDF}: 24739.4/45$
 All: -23.014 ± 0.048 $\chi^2/\text{NDF}: 43925.4/86$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.247 $\pm$ 0.191 χ^2 /NDF: 7611.5/17

Left Out: 25.216 $\pm$ 0.063 χ^2 /NDF:3738.3/24

Right Out: 15.862 $\pm$ 0.194 χ^2 /NDF: 7570.0/20

Left In: 25.005 $\pm$ 0.064 χ^2 /NDF:2733.7/22

Left: 25.112 $\pm$ 0.045 χ^2 /NDF: 6477.5/47

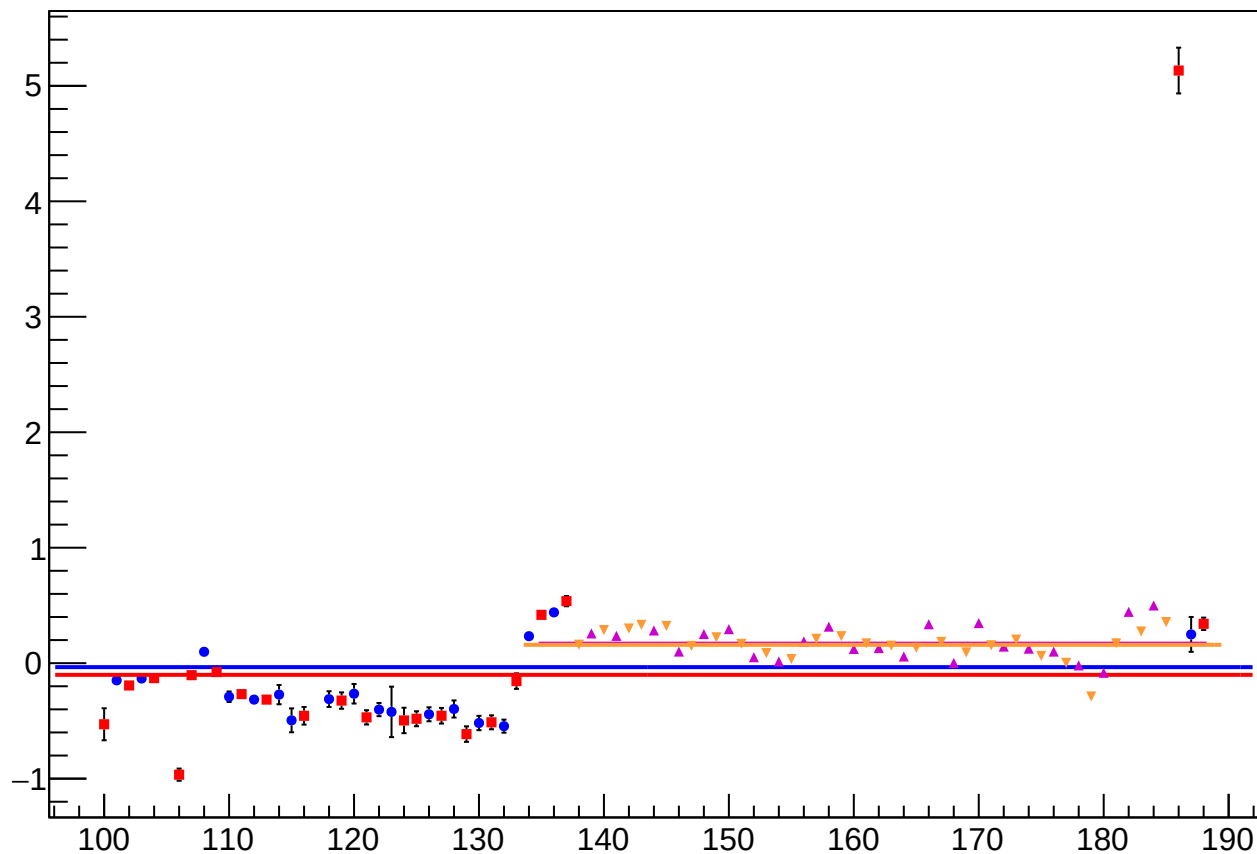
Right: 16.058 $\pm$ 0.136 χ^2 /NDF: 15183.5/38

In: 24.127 $\pm$ 0.060 χ^2 /NDF:12245.8/40

Out: 24.327 $\pm$ 0.060 χ^2 /NDF:13420.6/45

All: 24.228 $\pm$ 0.042 χ^2 /NDF: 25671.9/86

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.034 ± 0.010 χ^2/NDF : 1018.0/17

Left Out: 0.159 ± 0.003 χ^2/NDF : 1856.8/24

Right Out: -0.101 ± 0.010 χ^2/NDF : 1945.9/20

Left In: 0.169 ± 0.003 χ^2/NDF : 2430.7/22

Left: 0.164 ± 0.002 χ^2/NDF : 4293.8/47

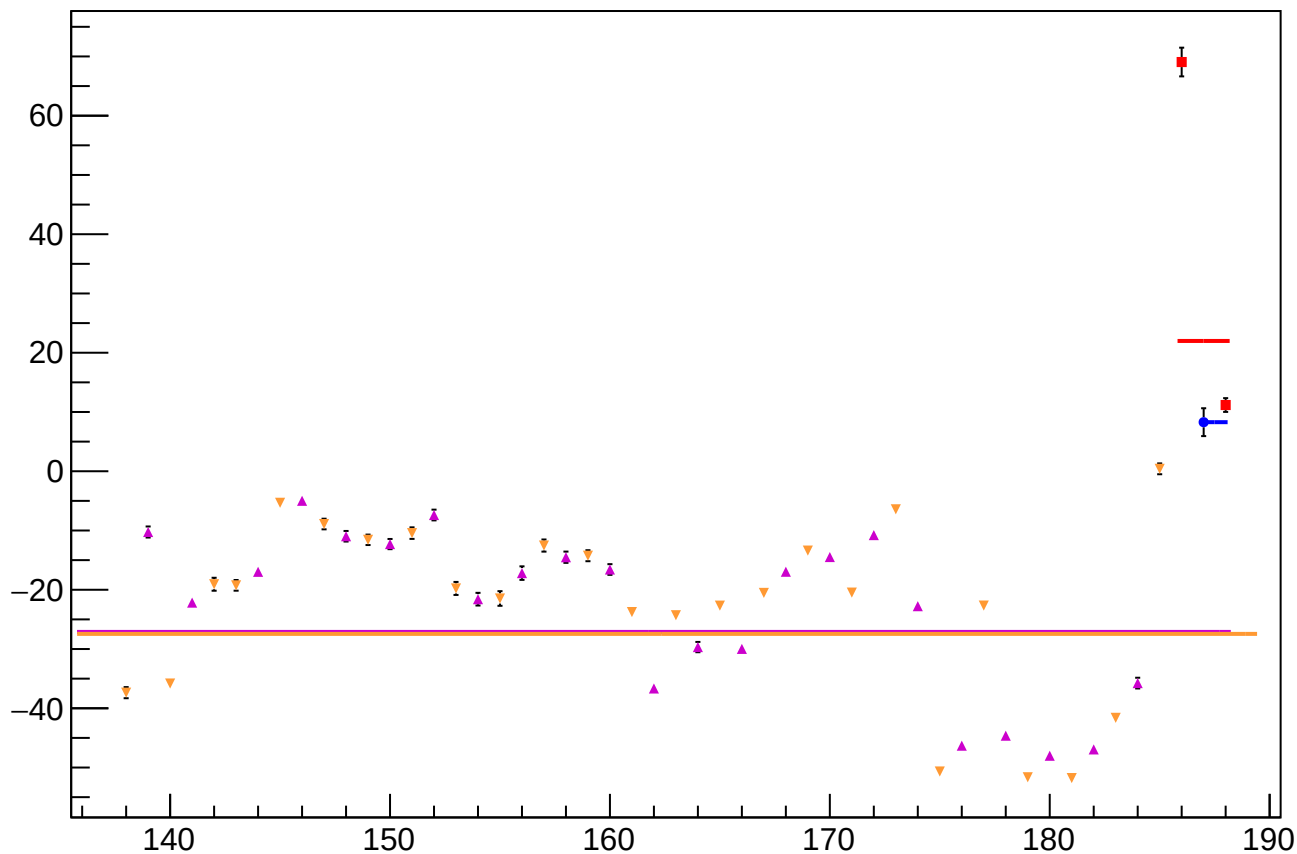
Right: -0.068 ± 0.007 χ^2/NDF : 2985.3/38

In: 0.154 ± 0.003 χ^2/NDF : 3811.3/40

Out: 0.140 ± 0.003 χ^2/NDF : 4409.8/45

All: 0.147 ± 0.002 χ^2/NDF : 8234.6/86

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 8.281 ± 2.351 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -27.447 ± 0.137 $\chi^2/\text{NDF}: 14820.6/24$

Right Out: 21.987 ± 1.047 $\chi^2/\text{NDF}: 464.3/1$

Left In: -27.114 ± 0.139 $\chi^2/\text{NDF}: 11443.8/22$

Left: -27.283 ± 0.097 $\chi^2/\text{NDF}: 26267.3/47$

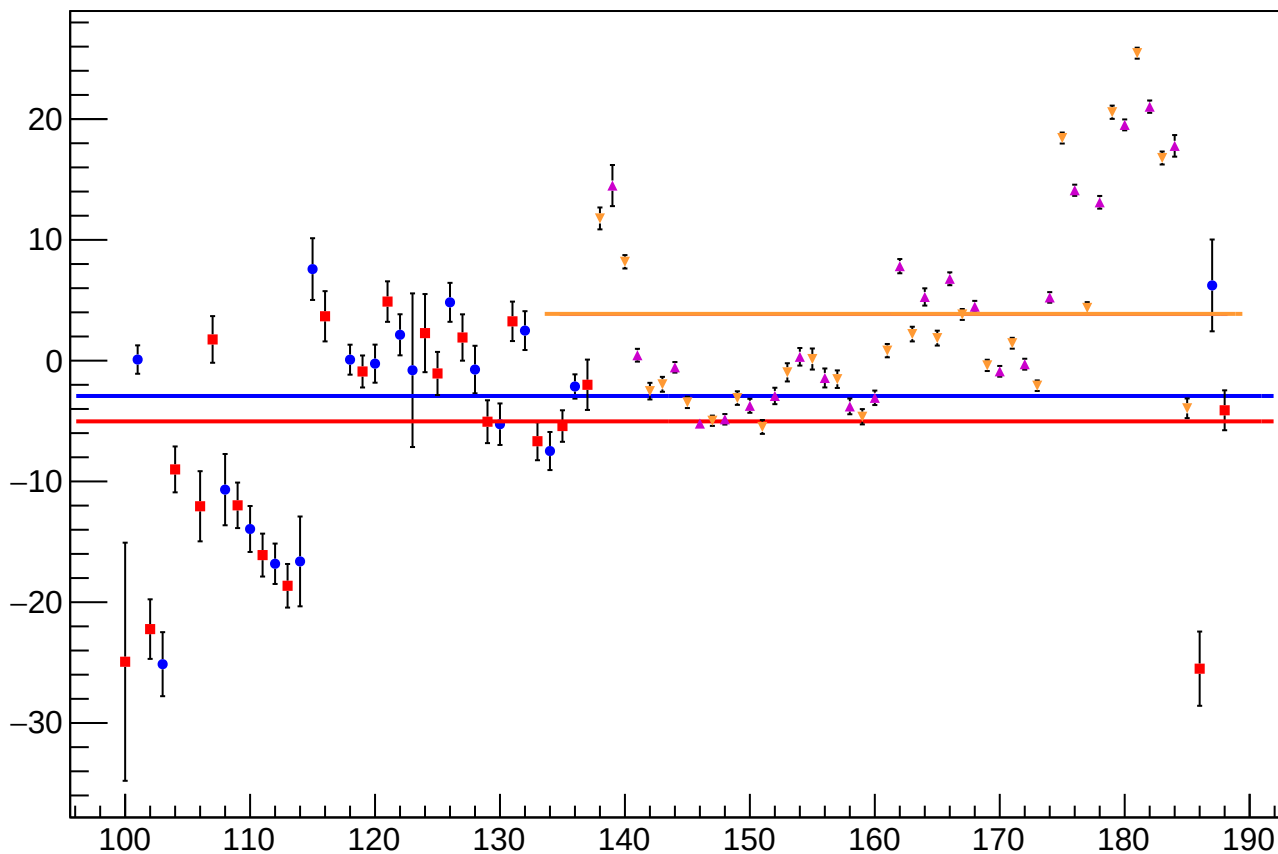
Right: 19.718 ± 0.956 $\chi^2/\text{NDF}: 492.7/2$

In: -26.992 ± 0.138 $\chi^2/\text{NDF}: 11669.7/23$

Out: -26.614 ± 0.136 $\chi^2/\text{NDF}: 17476.7/26$

All: -26.799 ± 0.097 $\chi^2/\text{NDF}: 29150.2/50$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.925 ± 0.405 χ^2/NDF : 286.7/17

Left Out: 3.873 ± 0.109 χ^2/NDF : 6906.0/24

Right Out: -5.027 ± 0.409 χ^2/NDF : 343.6/20

Left In: 3.861 ± 0.111 χ^2/NDF : 5438.4/22

Left: 3.867 ± 0.078 χ^2/NDF : 12344.4/47

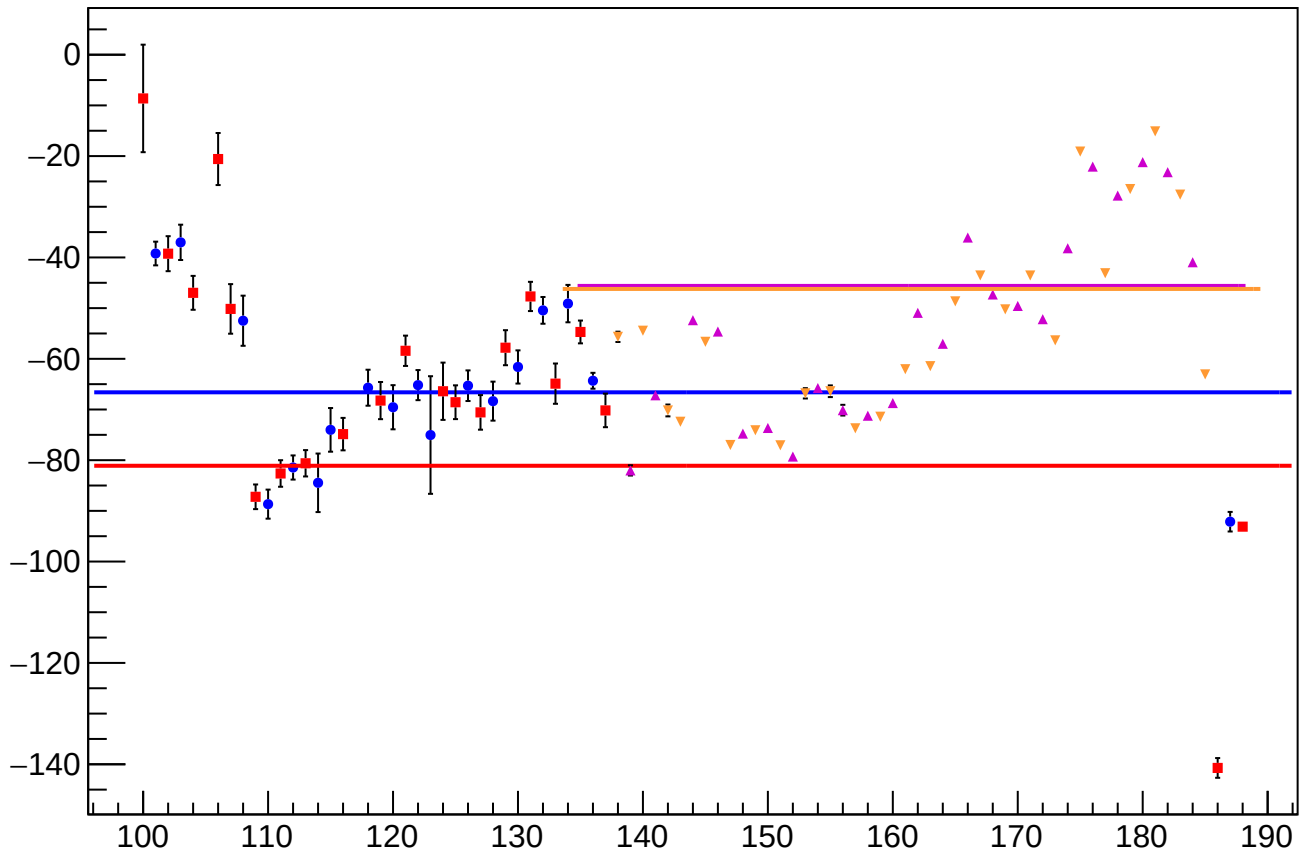
Right: -3.965 ± 0.288 χ^2/NDF : 643.5/38

In: 3.389 ± 0.107 χ^2/NDF : 5986.0/40

Out: 3.279 ± 0.106 χ^2/NDF : 7690.6/45

All: 3.333 ± 0.075 χ^2/NDF : 13677.2/86

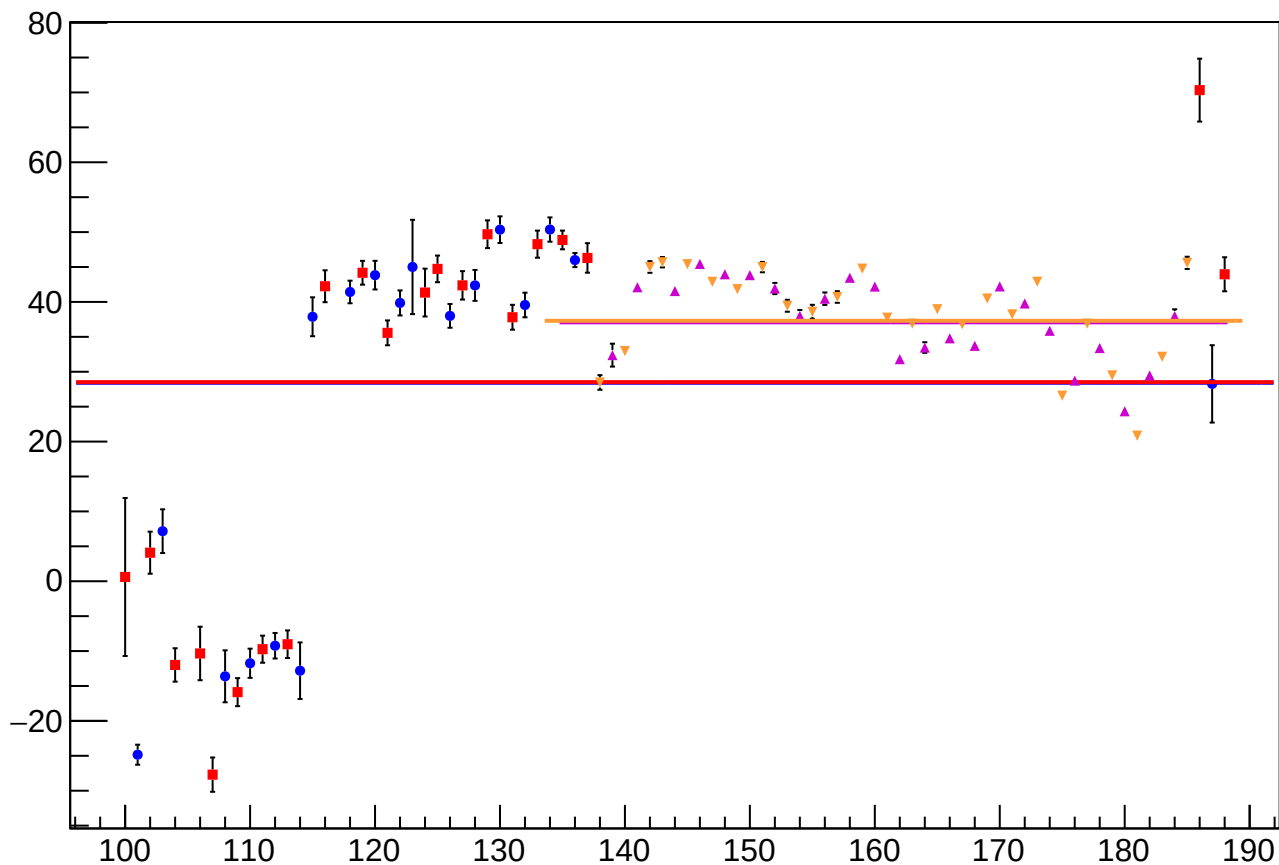
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.610 ± 0.689 χ^2/NDF : 568.8/17
 Left Out: -46.213 ± 0.138 χ^2/NDF : 19981.0/24
 Right Out: -81.101 ± 0.561 χ^2/NDF : 2034.4/20
 Left In: -45.616 ± 0.139 χ^2/NDF : 17743.8/22

Left: -45.917 ± 0.098 χ^2/NDF : 37734.0/47
 Right: -75.325 ± 0.435 χ^2/NDF : 2868.9/38
 In: -46.438 ± 0.136 χ^2/NDF : 19203.7/40
 Out: -48.206 ± 0.134 χ^2/NDF : 25659.2/45
 All: -47.337 ± 0.096 χ^2/NDF : 44948.2/86

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.424+/-0.456 χ^2/NDF : 3330.3/17

Left Out: 37.298+/-0.123 χ^2/NDF :3113.0/24

Right Out: 28.509+/-0.467 χ^2/NDF : 3164.3/20

Left In: 37.079+/-0.125 χ^2/NDF :2405.4/22

Left: 37.190+/-0.088 χ^2/NDF : 5519.9/47

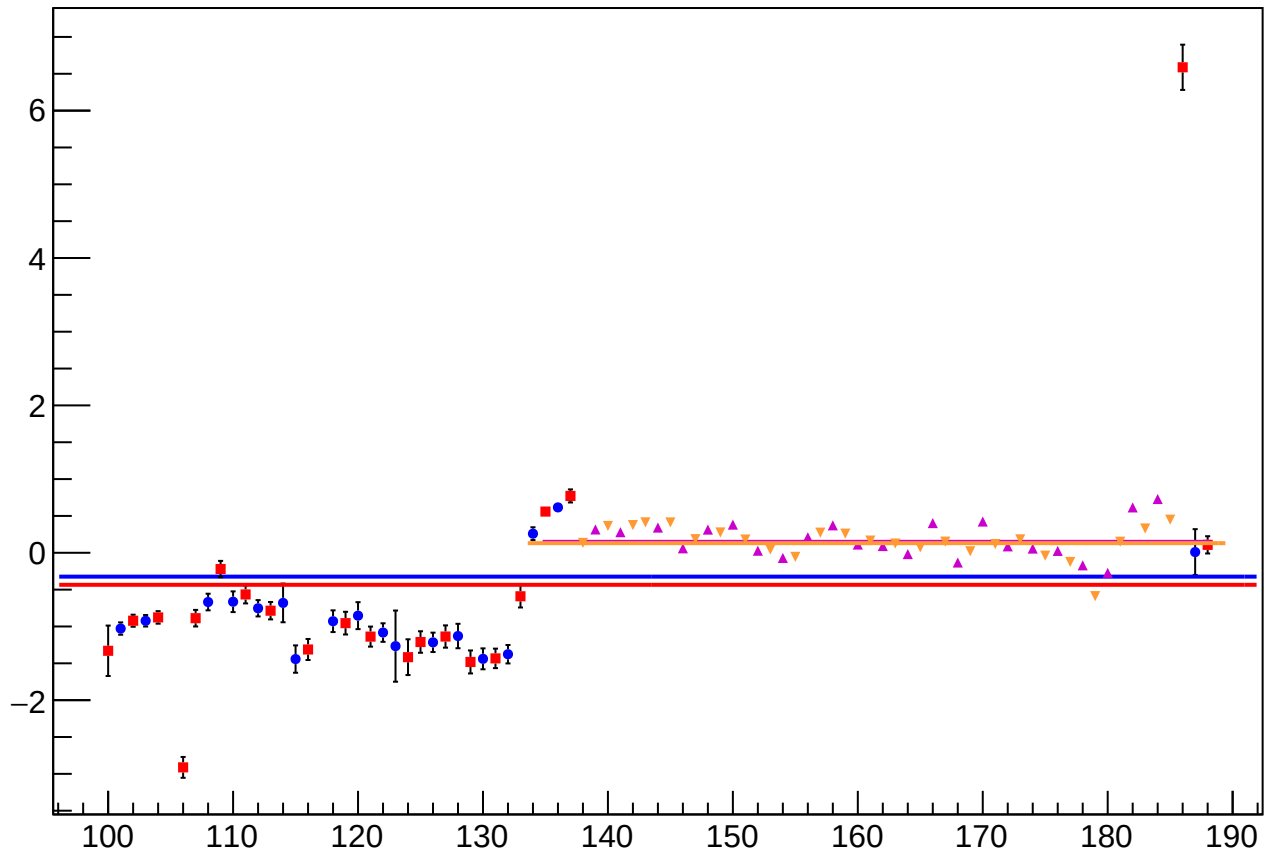
Right: 28.465+/-0.326 χ^2/NDF : 6494.6/38

In: 36.476+/-0.120 χ^2/NDF :6071.5/40

Out: 36.727+/-0.119 χ^2/NDF :6608.3/45

All: 36.603+/-0.085 χ^2/NDF : 12682.0/86

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.324 ± 0.025 χ^2/NDF : 1014.2/17

Left Out: 0.130 ± 0.006 χ^2/NDF : 1419.7/24

Right Out: -0.435 ± 0.025 χ^2/NDF : 1722.6/20

Left In: 0.149 ± 0.006 χ^2/NDF : 1813.7/22

Left: 0.139 ± 0.004 χ^2/NDF : 3238.6/47

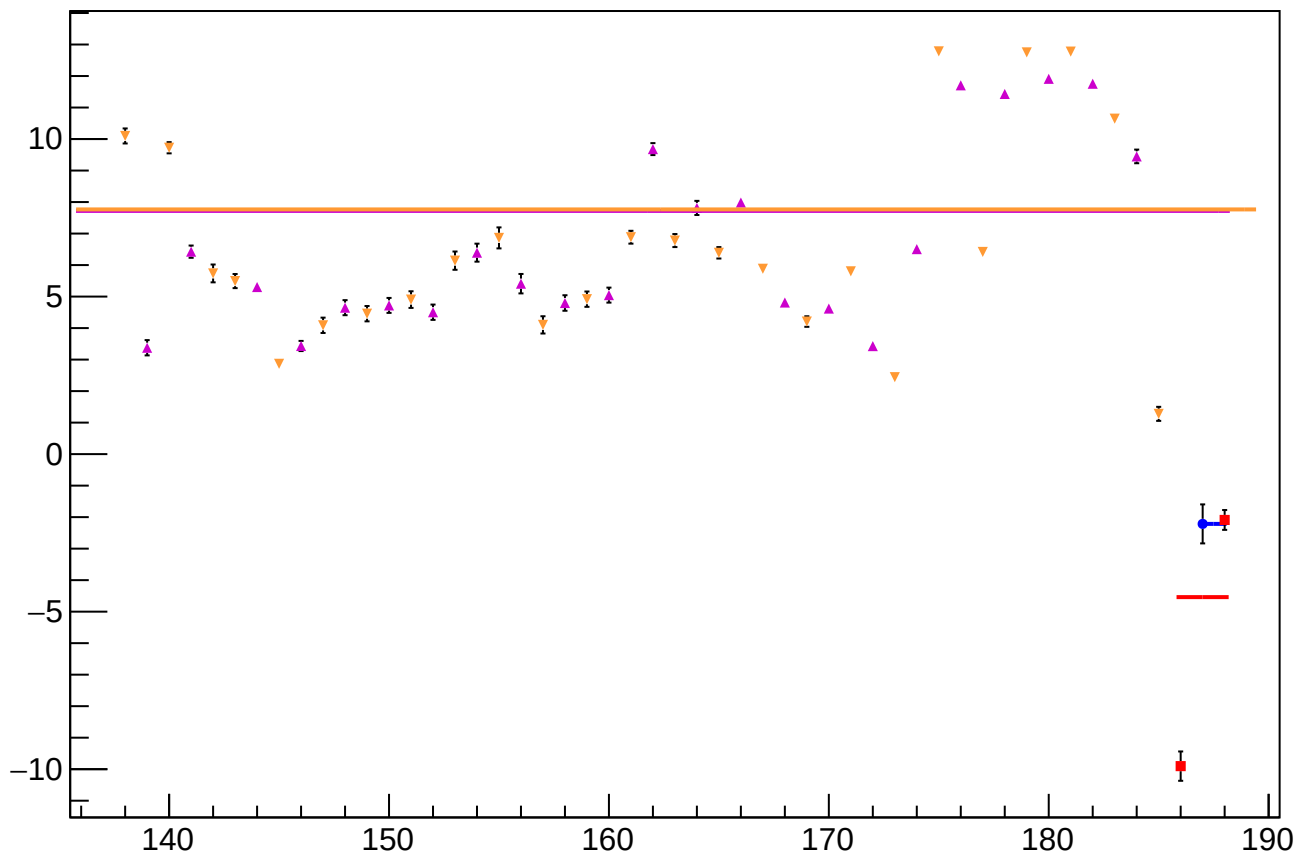
Right: -0.379 ± 0.018 χ^2/NDF : 2746.6/38

In: 0.125 ± 0.006 χ^2/NDF : 3172.0/40

Out: 0.103 ± 0.006 χ^2/NDF : 3627.7/45

All: 0.114 ± 0.004 χ^2/NDF : 6807.6/86

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.215 ± 0.619 χ^2/NDF : 0.0/0

Left Out: 7.766 ± 0.034 χ^2/NDF : 11703.8/24

Right Out: -4.539 ± 0.261 χ^2/NDF : 193.4/1

Left In: 7.719 ± 0.035 χ^2/NDF : 8490.5/22

Left: 7.743 ± 0.025 χ^2/NDF : 20195.2/47

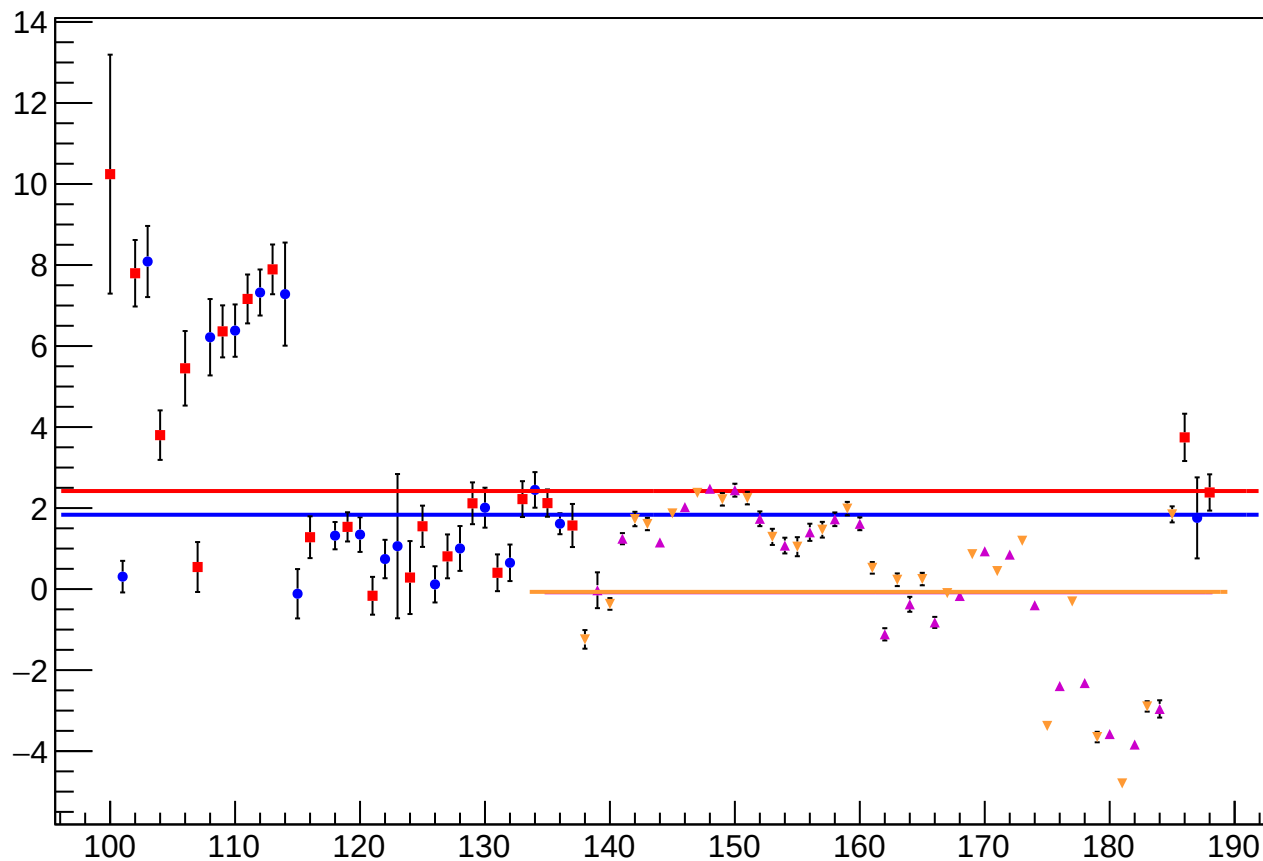
Right: -4.189 ± 0.240 χ^2/NDF : 205.3/2

In: 7.688 ± 0.035 χ^2/NDF : 8747.2/23

Out: 7.555 ± 0.034 χ^2/NDF : 14087.2/26

All: 7.620 ± 0.024 χ^2/NDF : 22841.8/50

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.835 $\pm$ 0.115 χ^2 /NDF: 294.9/17

Left Out: -0.069 $\pm$ 0.028 χ^2 /NDF:6033.5/24

Right Out: 2.421 $\pm$ 0.116 χ^2 /NDF: 341.8/20

Left In: -0.079 $\pm$ 0.028 χ^2 /NDF:4989.1/22

Left: -0.074 $\pm$ 0.020 χ^2 /NDF: 11022.7/47

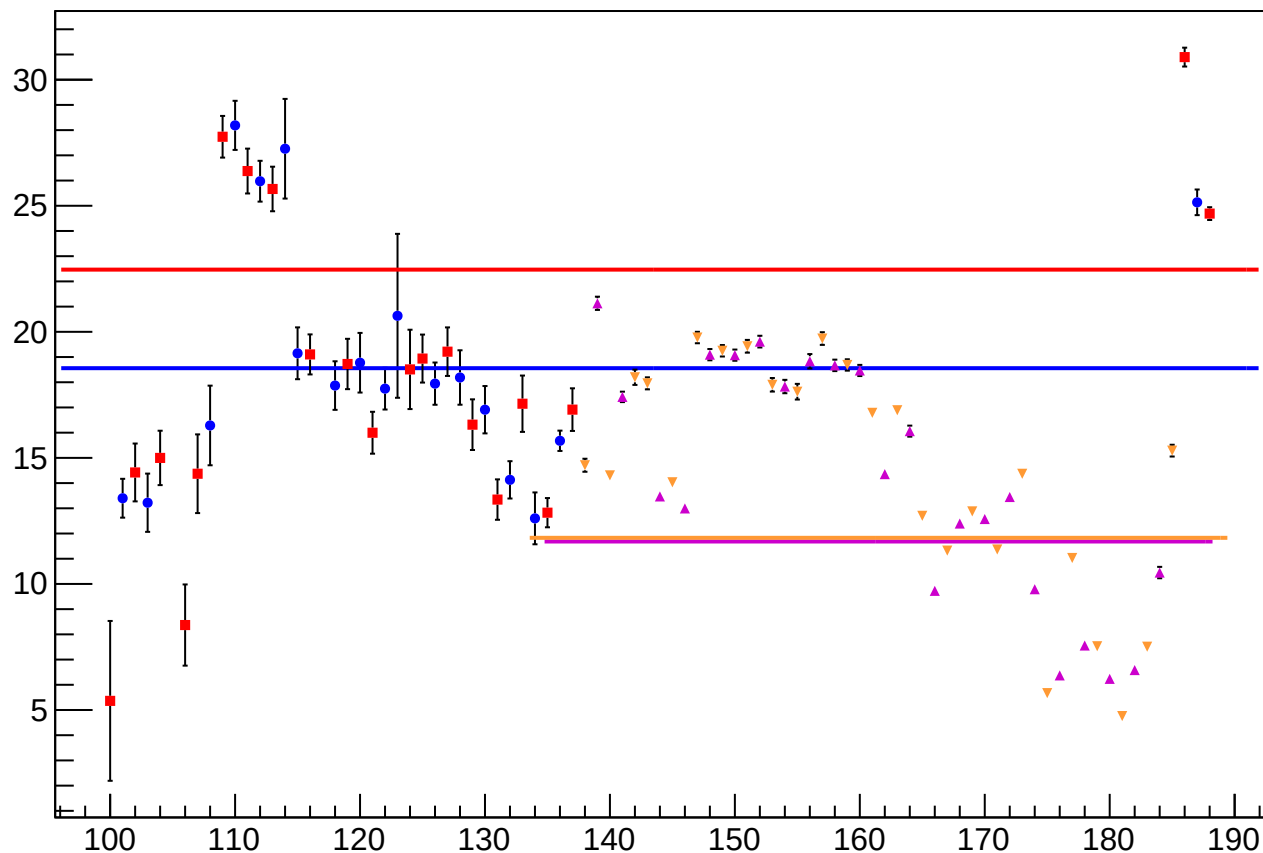
Right: 2.126 $\pm$ 0.082 χ^2 /NDF: 649.5/38

In: 0.029 $\pm$ 0.027 χ^2 /NDF:5544.1/40

Out: 0.067 $\pm$ 0.027 χ^2 /NDF:6811.3/45

All: 0.048 $\pm$ 0.019 χ^2 /NDF: 12356.4/86

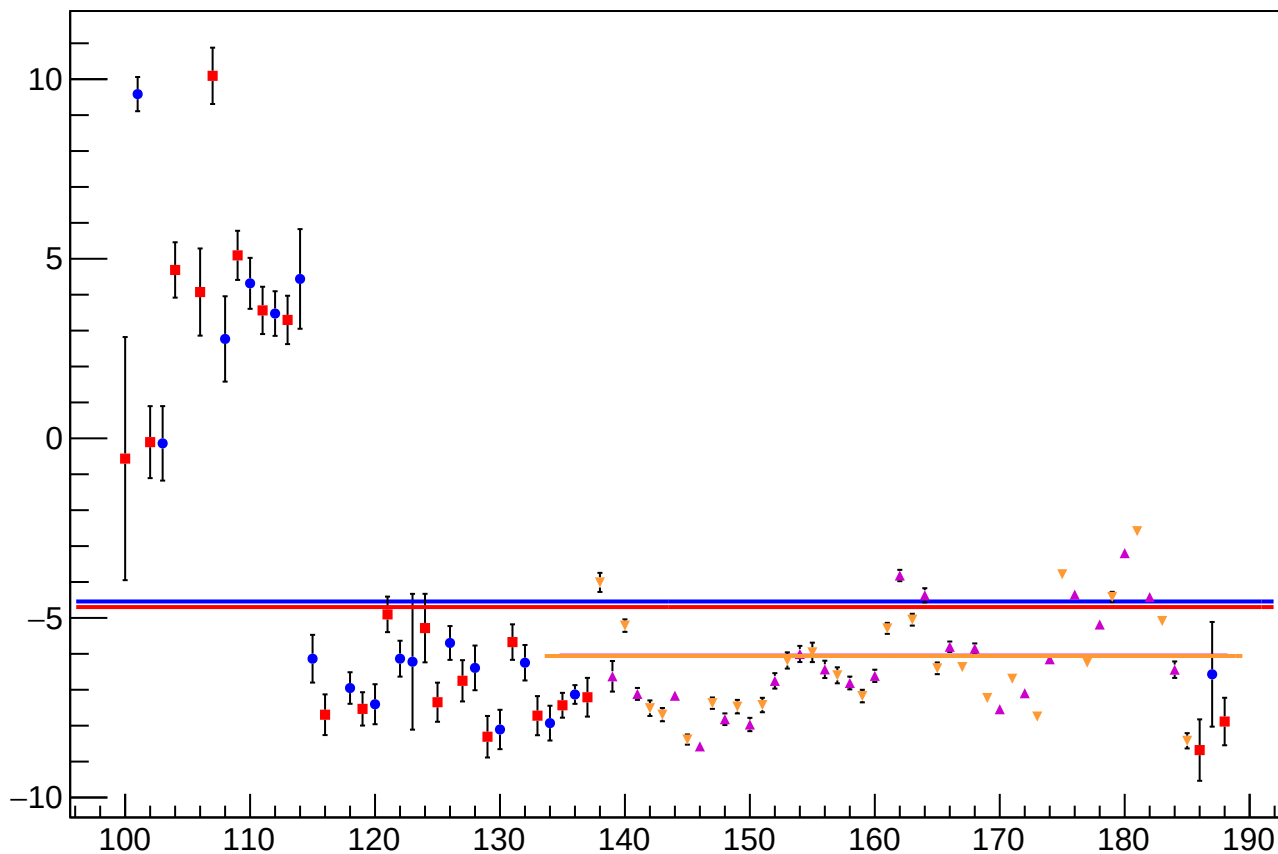
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 18.558 ± 0.195 $\chi^2/\text{NDF}: 563.0/17$
 Left Out: 11.830 ± 0.035 $\chi^2/\text{NDF}: 19032.5/24$
 Right Out: 22.467 ± 0.152 $\chi^2/\text{NDF}: 1520.3/20$
 Left In: 11.683 ± 0.035 $\chi^2/\text{NDF}: 16927.3/22$

Left: 11.757 ± 0.025 $\chi^2/\text{NDF}: 35968.6/47$
 Right: 20.999 ± 0.120 $\chi^2/\text{NDF}: 2333.2/38$
 In: 11.897 ± 0.034 $\chi^2/\text{NDF}: 18688.7/40$
 Out: 12.360 ± 0.034 $\chi^2/\text{NDF}: 25233.1/45$
 All: 12.133 ± 0.024 $\chi^2/\text{NDF}: 44013.5/86$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.542 ± 0.129 $\chi^2/\text{NDF}: 1592.1/17$

Left Out: -6.061 ± 0.031 $\chi^2/\text{NDF}: 2649.3/24$

Right Out: -4.698 ± 0.132 $\chi^2/\text{NDF}: 1386.8/20$

Left In: -6.050 ± 0.032 $\chi^2/\text{NDF}: 2303.3/22$

Left: -6.055 ± 0.022 $\chi^2/\text{NDF}: 4952.7/47$

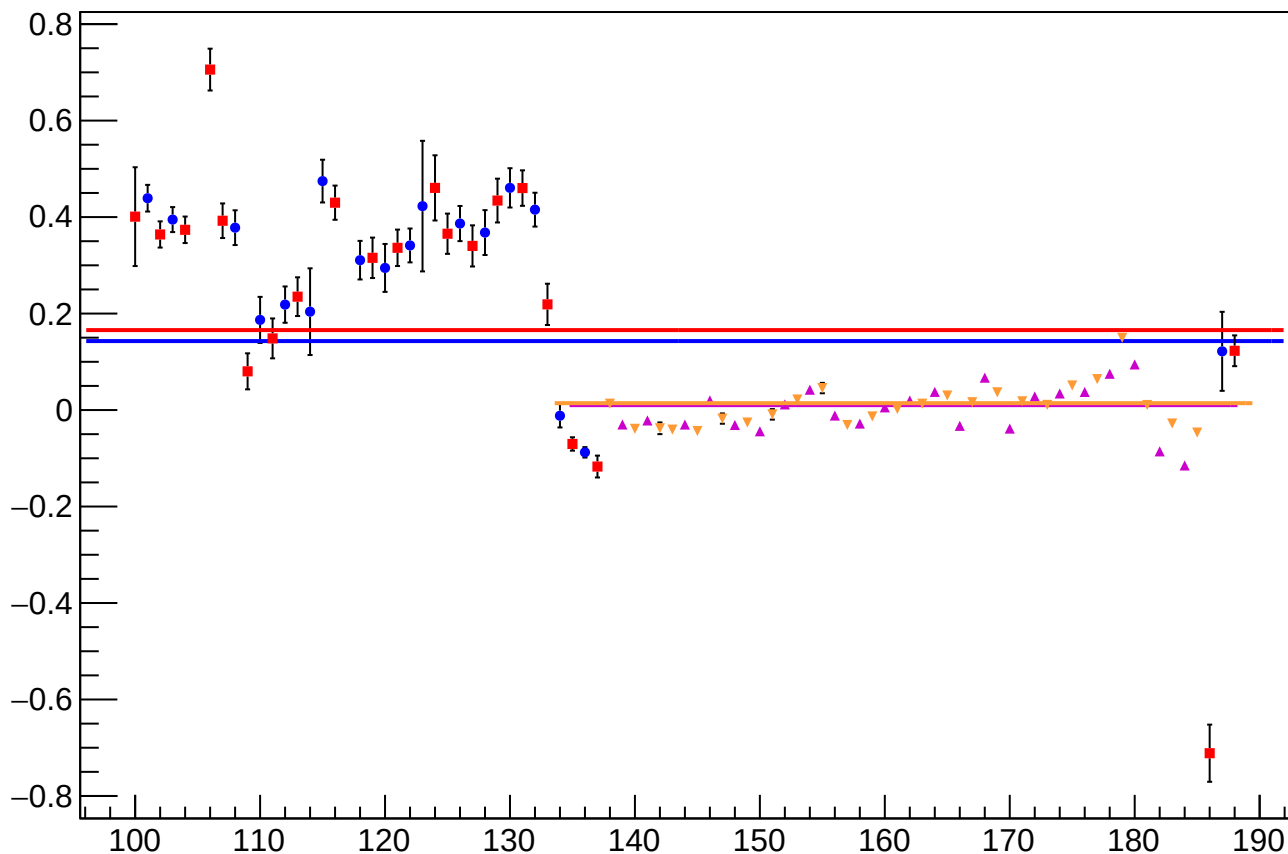
Right: -4.618 ± 0.092 $\chi^2/\text{NDF}: 2979.7/38$

In: -5.964 ± 0.031 $\chi^2/\text{NDF}: 4024.3/40$

Out: -5.989 ± 0.030 $\chi^2/\text{NDF}: 4136.4/45$

All: -5.977 ± 0.022 $\chi^2/\text{NDF}: 8161.0/86$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.143 $\pm$ 0.007 χ^2 /NDF: 1060.4/17

Left Out: 0.014 $\pm$ 0.001 χ^2 /NDF:950.9/24

Right Out: 0.166 $\pm$ 0.007 χ^2 /NDF: 1233.4/20

Left In: 0.010 $\pm$ 0.001 χ^2 /NDF:1224.5/22

Left: 0.012 $\pm$ 0.001 χ^2 /NDF: 2179.5/47

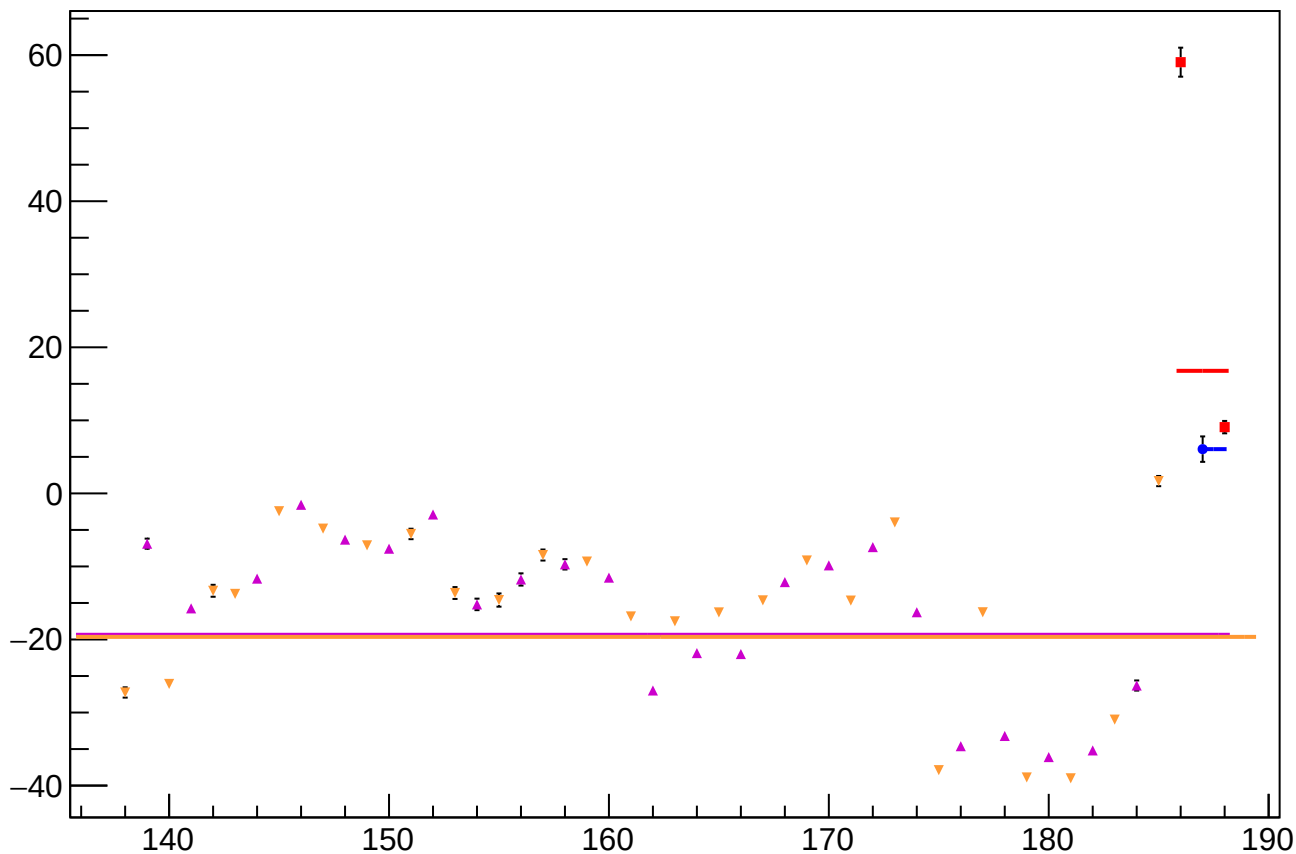
Right: 0.154 $\pm$ 0.005 χ^2 /NDF: 2299.0/38

In: 0.016 $\pm$ 0.001 χ^2 /NDF:2627.8/40

Out: 0.020 $\pm$ 0.001 χ^2 /NDF:2616.5/45

All: 0.018 $\pm$ 0.001 χ^2 /NDF: 5249.4/86

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.059+/-1.741 χ^2/NDF : 0.0/0

Left Out: -19.642+/-0.103 χ^2/NDF :15730.6/24

Right Out: 16.780+/-0.780 χ^2/NDF : 535.4/1

Left In: -19.355+/-0.105 χ^2/NDF :12417.1/22

Left: -19.501+/-0.074 χ^2/NDF : 28151.5/47

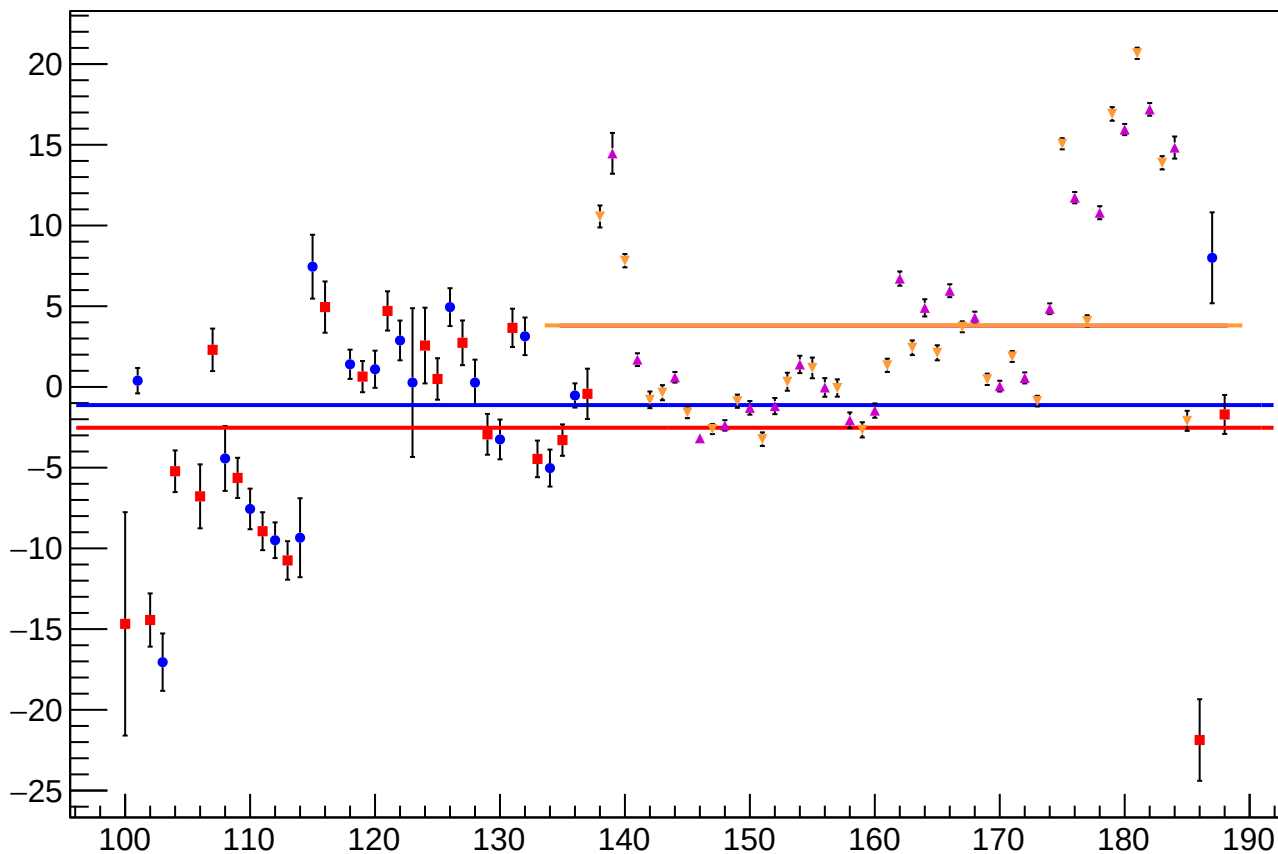
Right: 14.989+/-0.712 χ^2/NDF : 566.9/2

In: -19.264+/-0.104 χ^2/NDF :12629.3/23

Out: -19.014+/-0.102 χ^2/NDF :18409.5/26

All: -19.136+/-0.073 χ^2/NDF : 31041.7/50

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.123+/-0.288 χ^2/NDF : 289.2/17

Left Out: 3.811+/-0.082 χ^2/NDF : 7118.3/24

Right Out: -2.528+/-0.291 χ^2/NDF : 345.9/20

Left In: 3.795+/-0.083 χ^2/NDF : 5534.4/22

Left: 3.803+/-0.059 χ^2/NDF : 12652.7/47

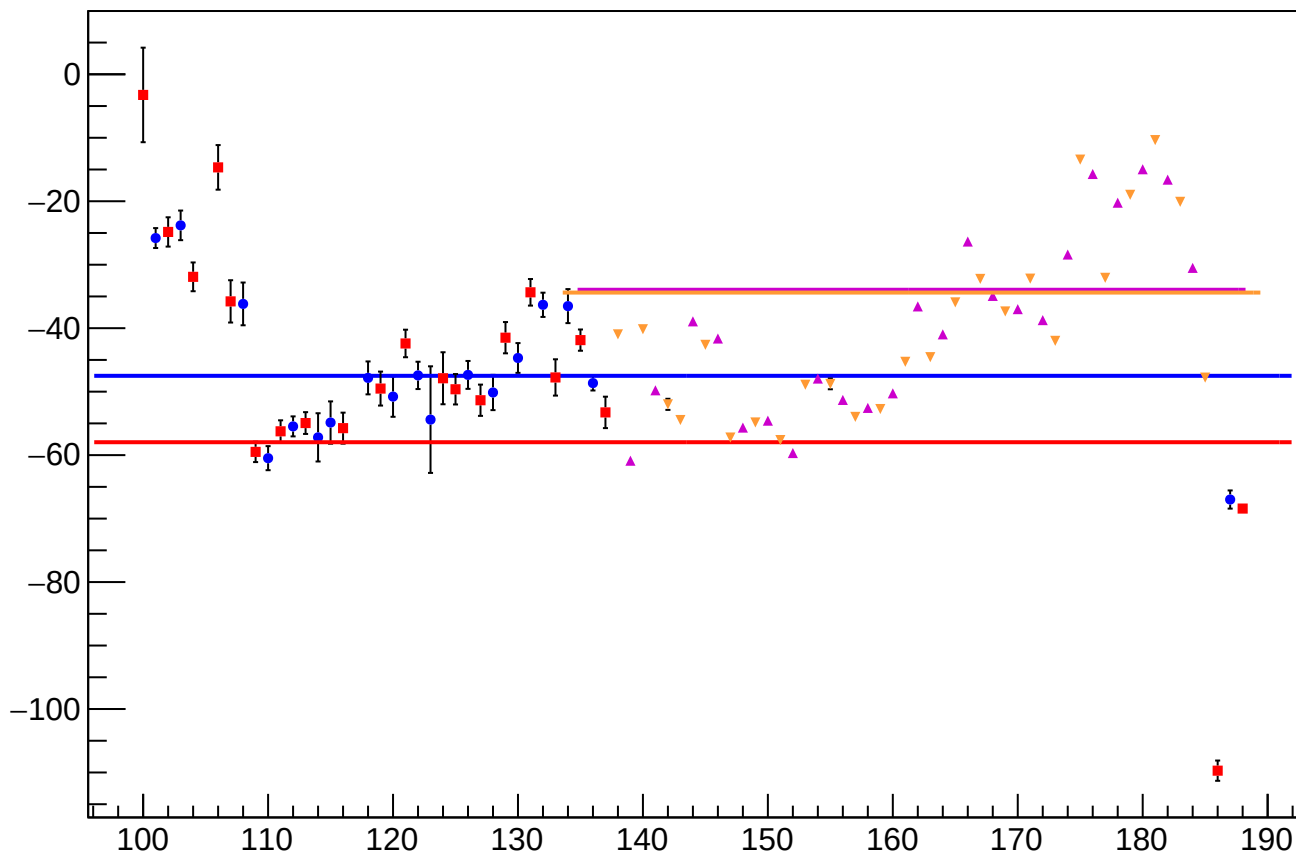
Right: -1.818+/-0.205 χ^2/NDF : 646.8/38

In: 3.417+/-0.080 χ^2/NDF : 6092.0/40

Out: 3.343+/-0.079 χ^2/NDF : 7902.3/45

All: 3.379+/-0.056 χ^2/NDF : 13994.7/86

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -47.505 ± 0.491 χ^2/NDF : 631.3/17

Left Out: -34.389 ± 0.104 χ^2/NDF : 20032.2/24

Right Out: -57.967 ± 0.405 χ^2/NDF : 2245.7/20

Left In: -33.946 ± 0.105 χ^2/NDF : 17855.4/22

Left: -34.169 ± 0.074 χ^2/NDF : 37896.7/47

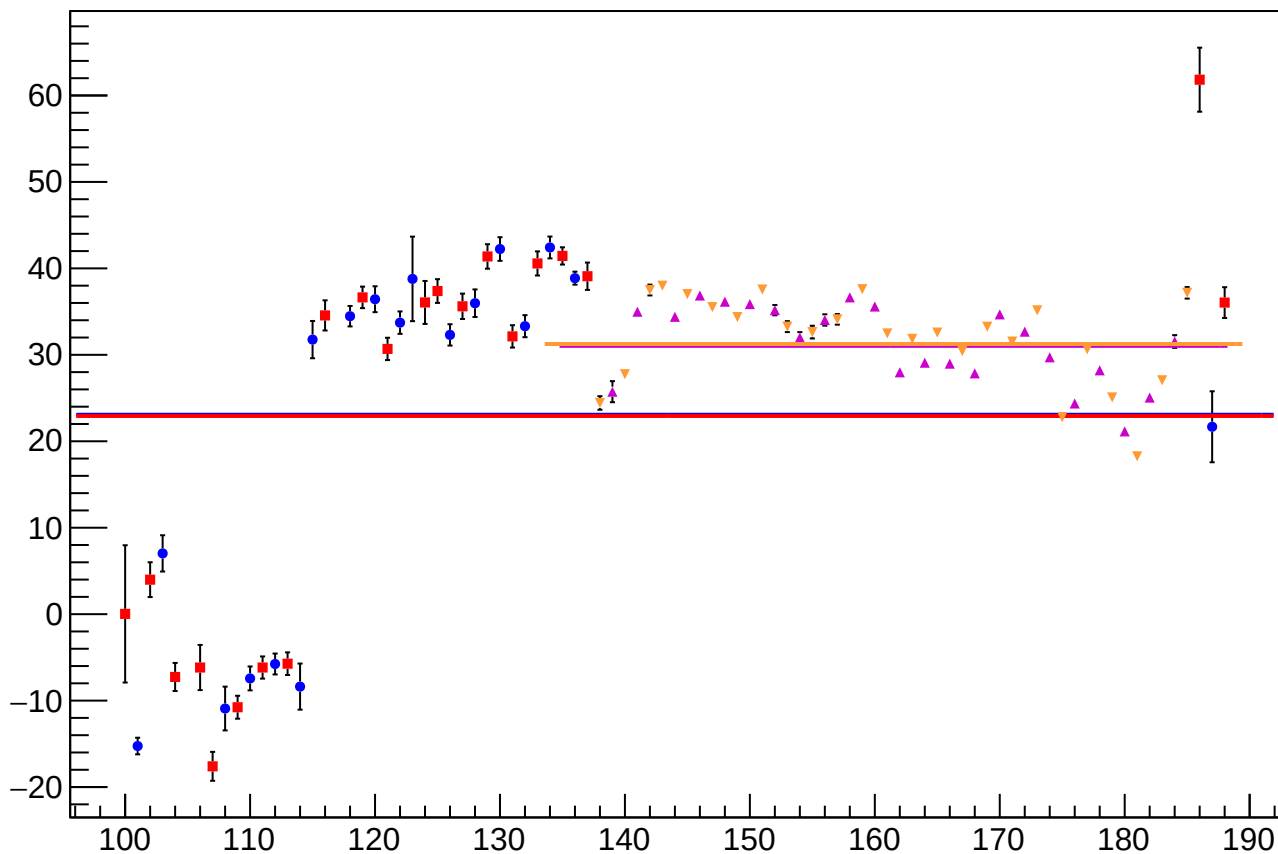
Right: -53.735 ± 0.312 χ^2/NDF : 3147.5/38

In: -34.538 ± 0.103 χ^2/NDF : 19216.5/40

Out: -35.854 ± 0.101 χ^2/NDF : 25464.1/45

All: -35.207 ± 0.072 χ^2/NDF : 44764.3/86

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.064 $\pm$ 0.325 χ^2 /NDF: 4346.1/17

Left Out: 31.252 $\pm$ 0.093 χ^2 /NDF:3305.3/24

Right Out: 22.928 $\pm$ 0.332 χ^2 /NDF: 4204.6/20

Left In: 31.040 $\pm$ 0.094 χ^2 /NDF:2488.6/22

Left: 31.147 $\pm$ 0.066 χ^2 /NDF: 5796.5/47

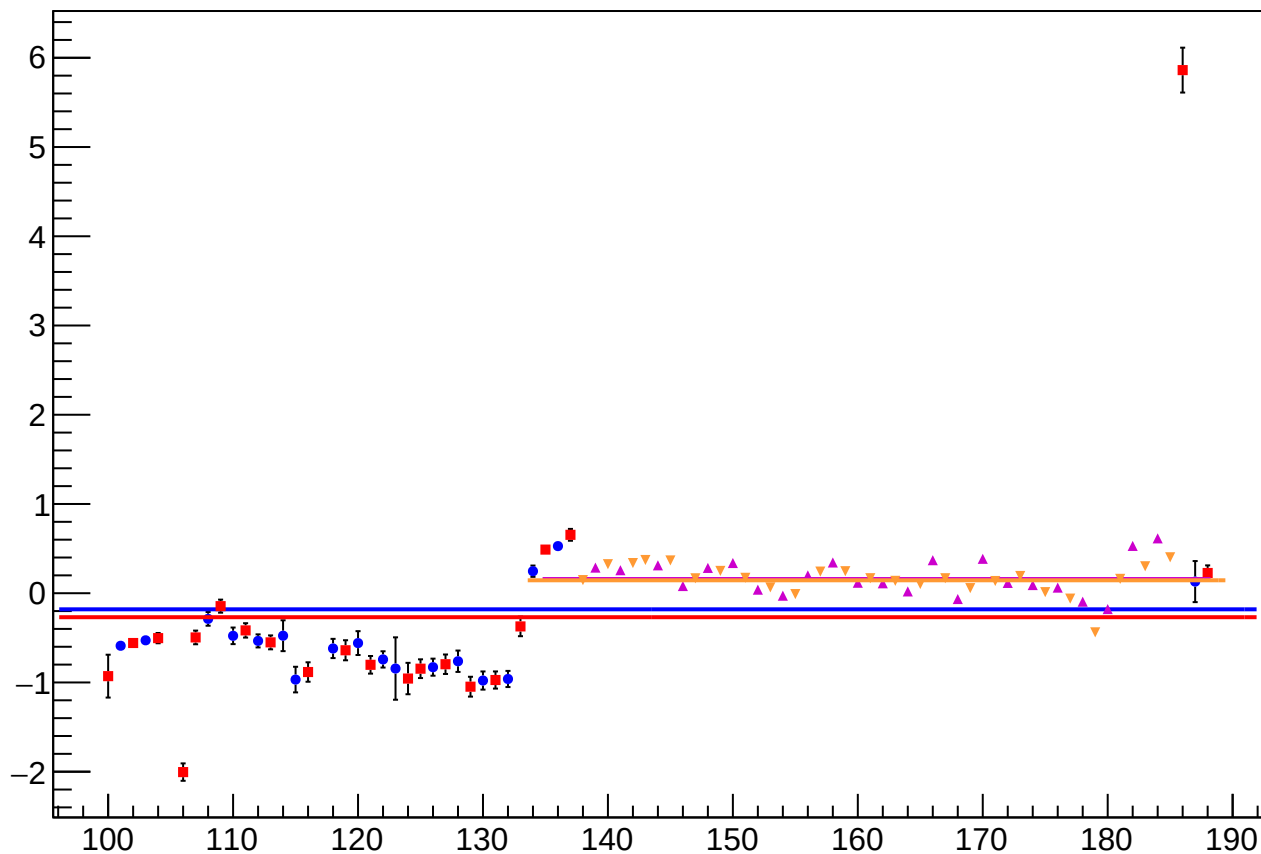
Right: 22.998 $\pm$ 0.232 χ^2 /NDF: 8550.8/38

In: 30.426 $\pm$ 0.090 χ^2 /NDF:7390.6/40

Out: 30.654 $\pm$ 0.089 χ^2 /NDF:8091.6/45

All: 30.541 $\pm$ 0.063 χ^2 /NDF: 15485.5/86

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180 ± 0.018 $\chi^2/\text{NDF}: 999.9/17$

Left Out: 0.145 ± 0.004 $\chi^2/\text{NDF}: 1572.6/24$

Right Out: -0.269 ± 0.018 $\chi^2/\text{NDF}: 1821.6/20$

Left In: 0.159 ± 0.004 $\chi^2/\text{NDF}: 2020.5/22$

Left: 0.152 ± 0.003 $\chi^2/\text{NDF}: 3598.6/47$

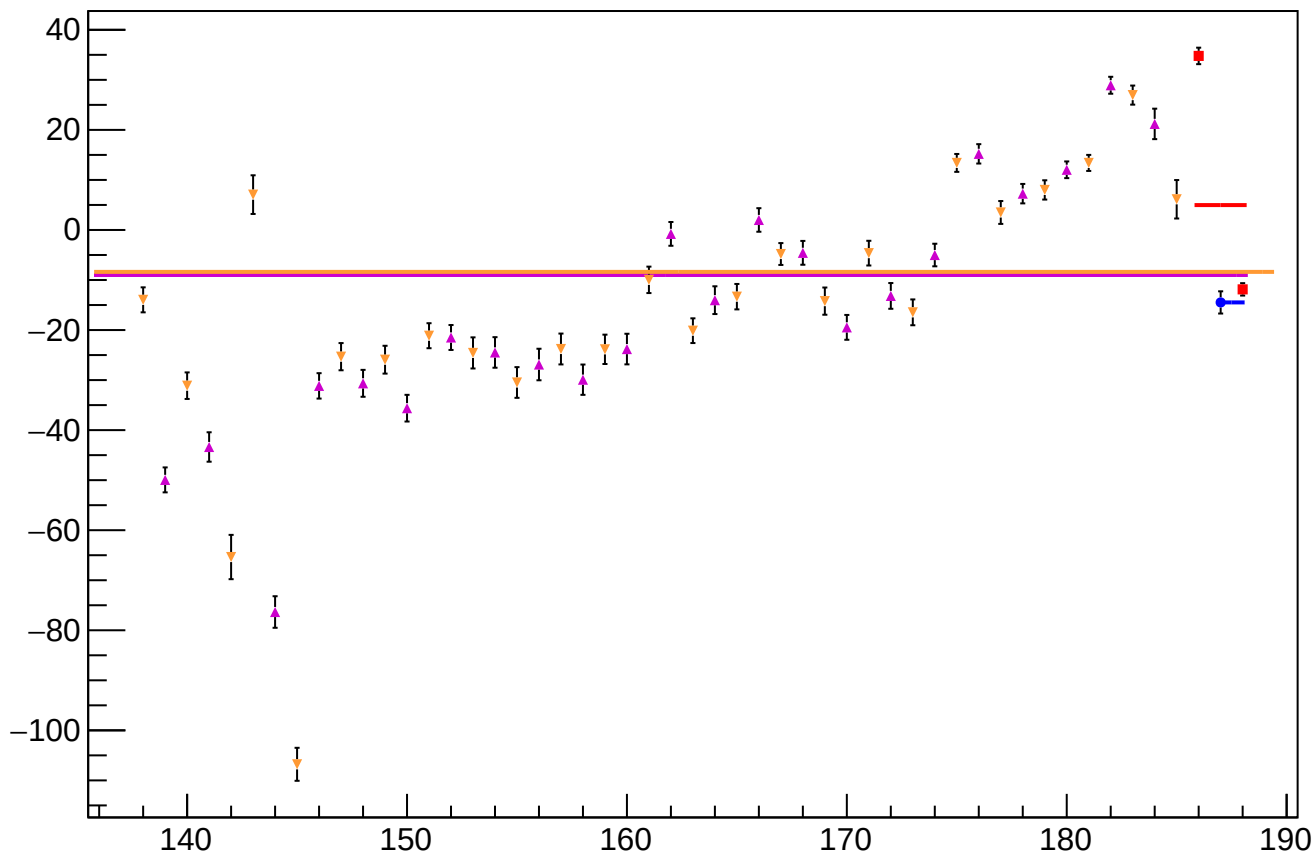
Right: -0.225 ± 0.013 $\chi^2/\text{NDF}: 2834.0/38$

In: 0.140 ± 0.004 $\chi^2/\text{NDF}: 3368.7/40$

Out: 0.122 ± 0.004 $\chi^2/\text{NDF}: 3909.7/45$

All: 0.131 ± 0.003 $\chi^2/\text{NDF}: 7287.5/86$

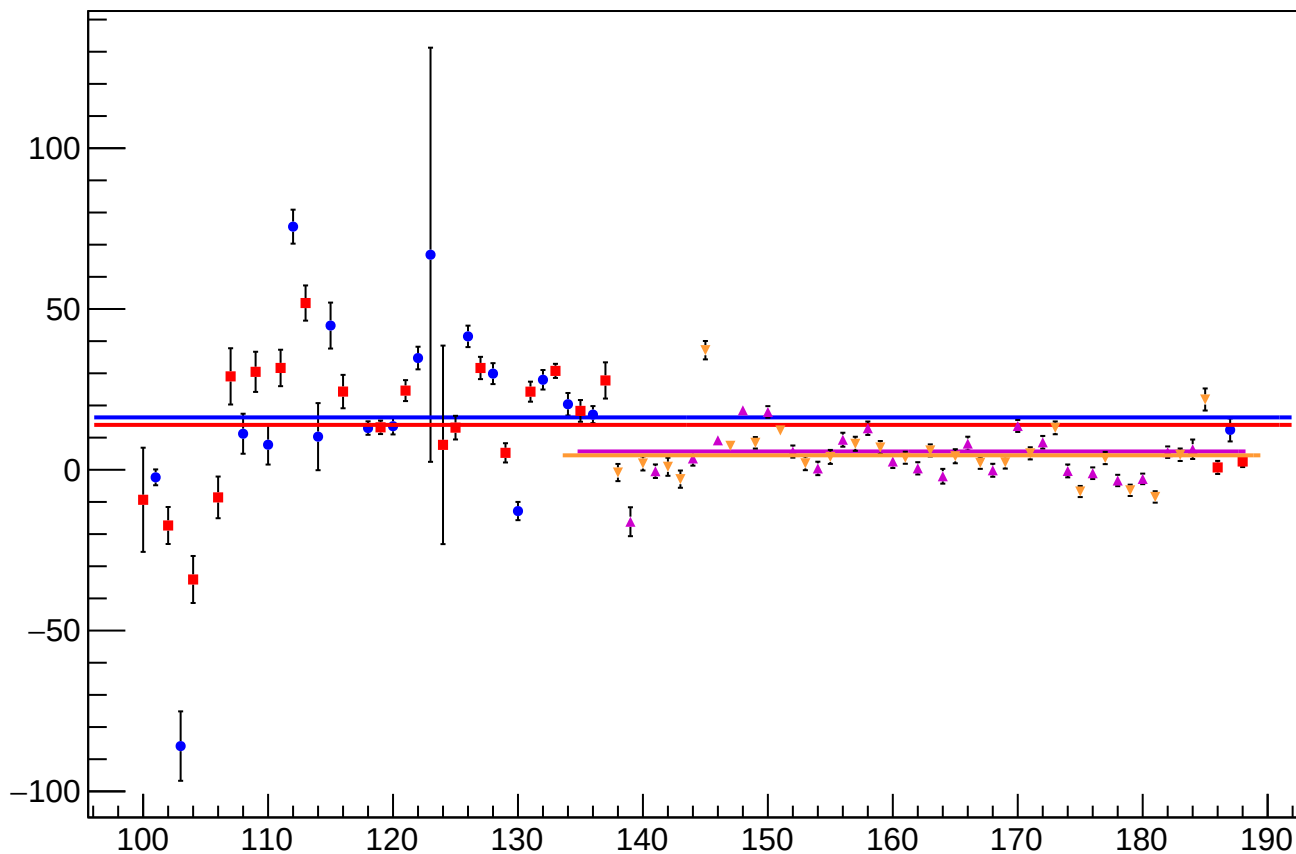
reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.478 ± 2.220 χ^2/NDF : 0.0/0
 Left Out: -8.375 ± 0.500 χ^2/NDF : 2224.0/24
 Right Out: 4.974 ± 0.990 χ^2/NDF : 512.2/1
 Left In: -8.995 ± 0.505 χ^2/NDF : 2308.2/22

Left: -8.682 ± 0.355 χ^2/NDF : 4533.0/47
 Right: 1.746 ± 0.904 χ^2/NDF : 576.3/2
 In: -9.265 ± 0.493 χ^2/NDF : 2314.0/23
 Out: -5.660 ± 0.447 χ^2/NDF : 2881.0/26
 All: -7.287 ± 0.331 χ^2/NDF : 5224.5/50

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.293 ± 0.825 $\chi^2/\text{NDF}: 520.9/17$

Left Out: 4.494 ± 0.393 $\chi^2/\text{NDF}: 372.1/24$

Right Out: 13.961 ± 0.742 $\chi^2/\text{NDF}: 366.9/20$

Left In: 5.699 ± 0.403 $\chi^2/\text{NDF}: 329.1/22$

Left: 5.081 ± 0.281 $\chi^2/\text{NDF}: 705.8/47$

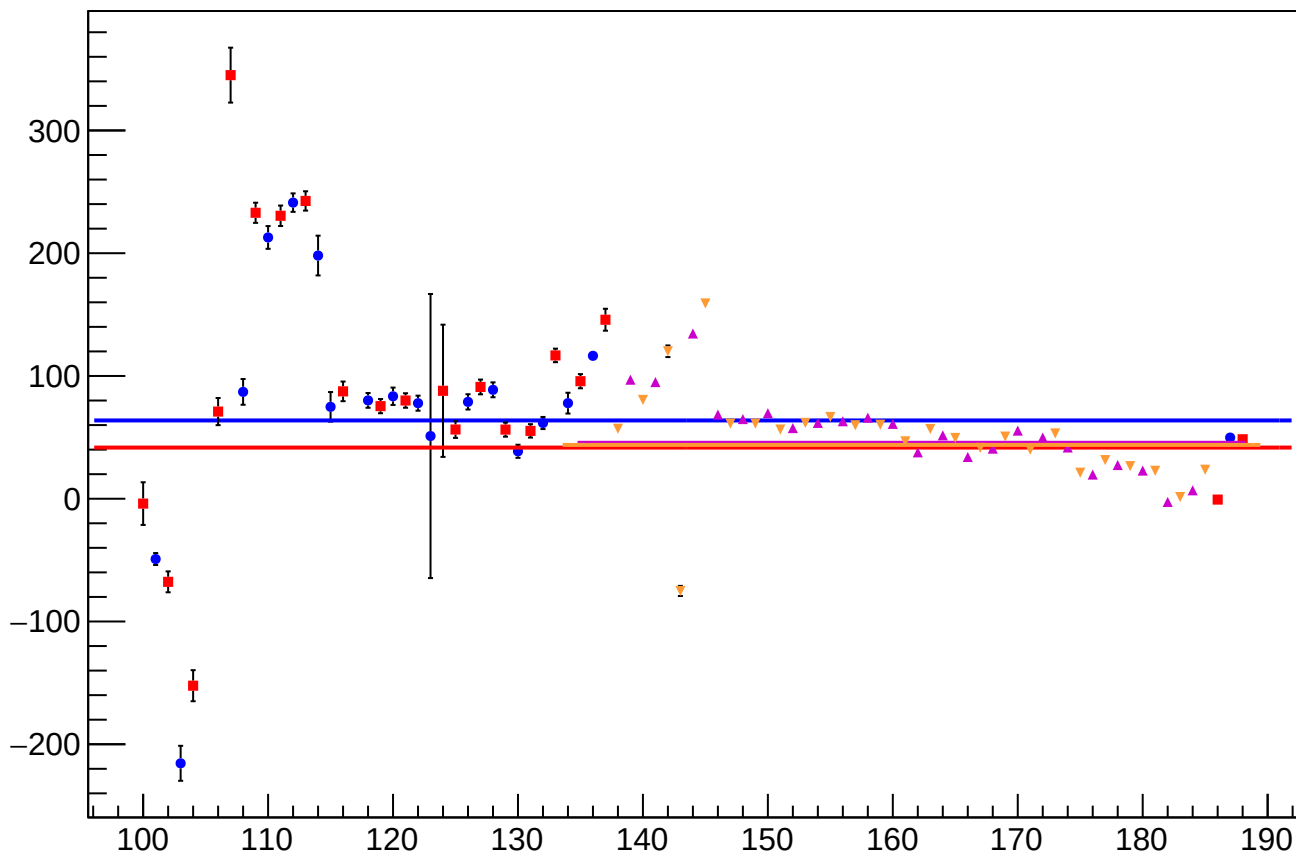
Right: 15.005 ± 0.552 $\chi^2/\text{NDF}: 892.3/38$

In: 7.743 ± 0.362 $\chi^2/\text{NDF}: 983.2/40$

Out: 6.564 ± 0.347 $\chi^2/\text{NDF}: 866.1/45$

All: 7.129 ± 0.251 $\chi^2/\text{NDF}: 1854.8/86$

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 63.772 $\pm$ 1.218 χ^2 /NDF: 2105.1/17

Left Out: 43.840 $\pm$ 0.499 χ^2 /NDF: 3680.9/24

Right Out: 41.676 $\pm$ 0.721 χ^2 /NDF: 3986.4/20

Left In: 45.559 $\pm$ 0.502 χ^2 /NDF: 3152.4/22

Left: 44.693 $\pm$ 0.354 χ^2 /NDF: 6839.2/47

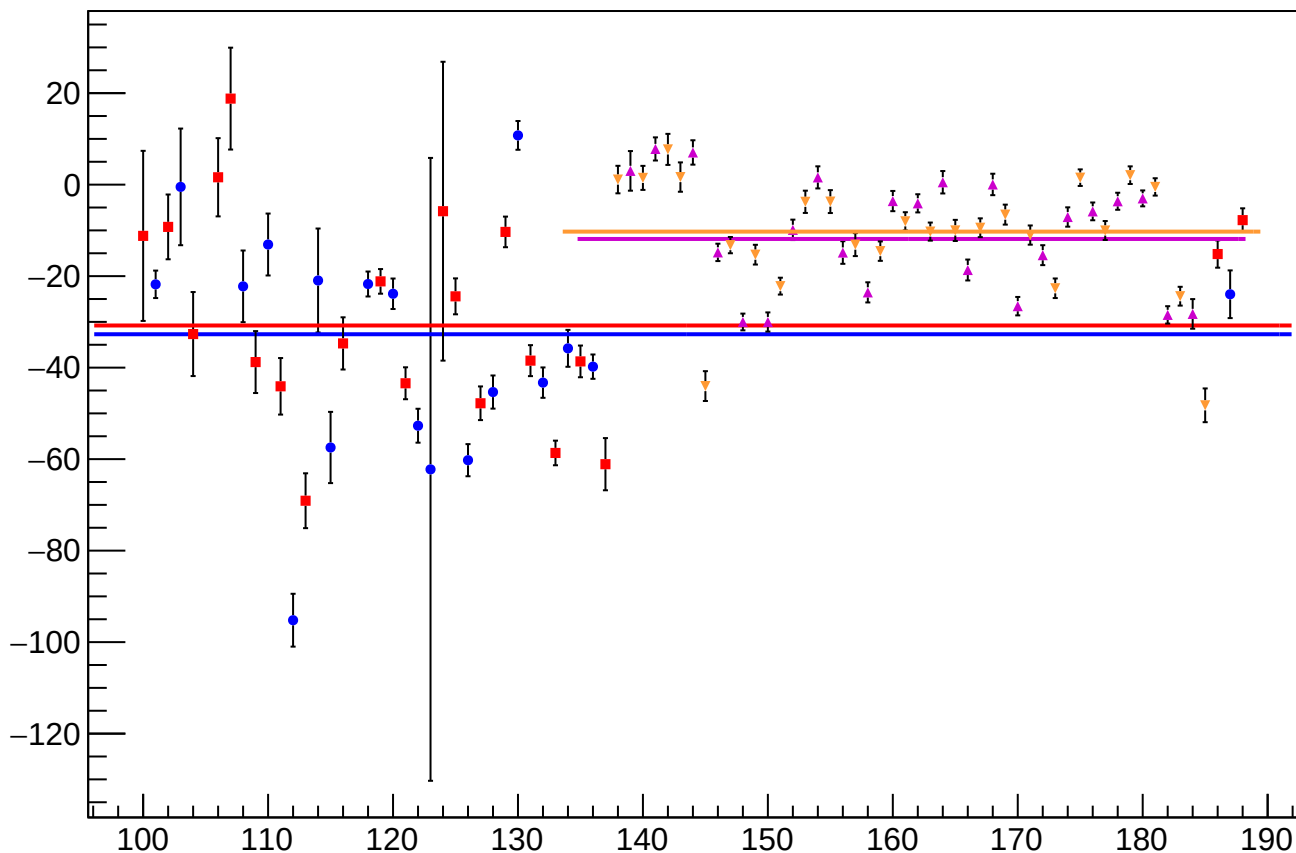
Right: 47.412 $\pm$ 0.620 χ^2 /NDF: 6335.3/38

In: 48.209 $\pm$ 0.465 χ^2 /NDF: 5448.7/40

Out: 43.139 $\pm$ 0.410 χ^2 /NDF: 7673.3/45

All: 45.361 $\pm$ 0.308 χ^2 /NDF: 13189.0/86

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.701 ± 0.955 χ^2/NDF : 496.0/17

Left Out: -10.267 ± 0.445 χ^2/NDF : 553.7/24

Right Out: -30.787 ± 0.908 χ^2/NDF : 432.5/20

Left In: -11.875 ± 0.455 χ^2/NDF : 668.4/22

Left: -11.053 ± 0.318 χ^2/NDF : 1228.5/47

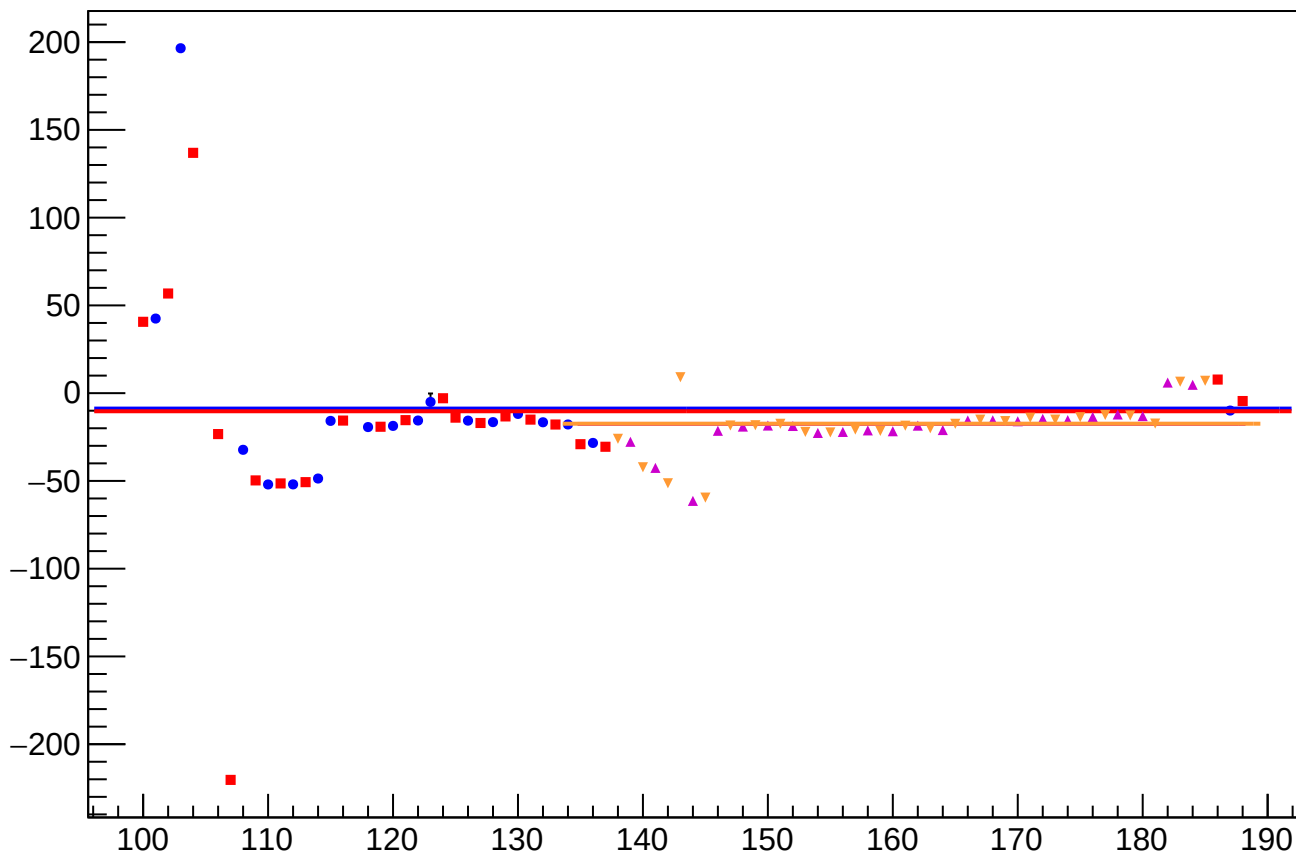
Right: -31.695 ± 0.658 χ^2/NDF : 930.5/38

In: -15.722 ± 0.411 χ^2/NDF : 1551.9/40

Out: -14.242 ± 0.400 χ^2/NDF : 1398.1/45

All: -14.962 ± 0.286 χ^2/NDF : 2956.7/86

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.795 ± 0.058 $\chi^2/\text{NDF}: 576027.5/17$

Left Out: -17.411 ± 0.020 $\chi^2/\text{NDF}: 320231.3/24$

Right Out: -10.310 ± 0.054 $\chi^2/\text{NDF}: 569959.0/20$

Left In: -17.552 ± 0.021 $\chi^2/\text{NDF}: 261900.3/22$

Left: -17.481 ± 0.015 $\chi^2/\text{NDF}: 582155.3/47$

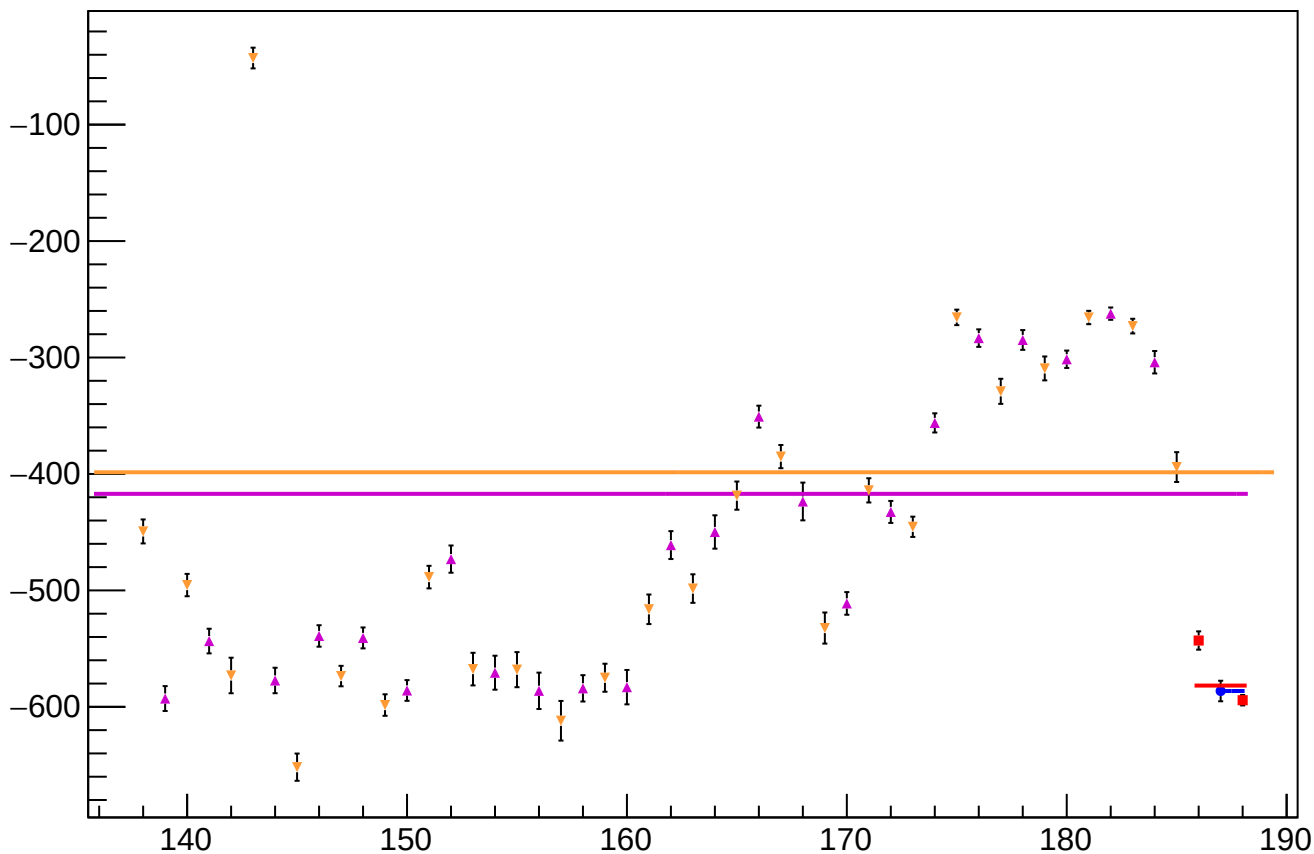
Right: -9.603 ± 0.039 $\chi^2/\text{NDF}: 1146354.6/38$

In: -16.562 ± 0.019 $\chi^2/\text{NDF}: 858378.2/40$

Out: -16.521 ± 0.019 $\chi^2/\text{NDF}: 905337.3/45$

All: -16.541 ± 0.014 $\chi^2/\text{NDF}: 1763717.8/86$

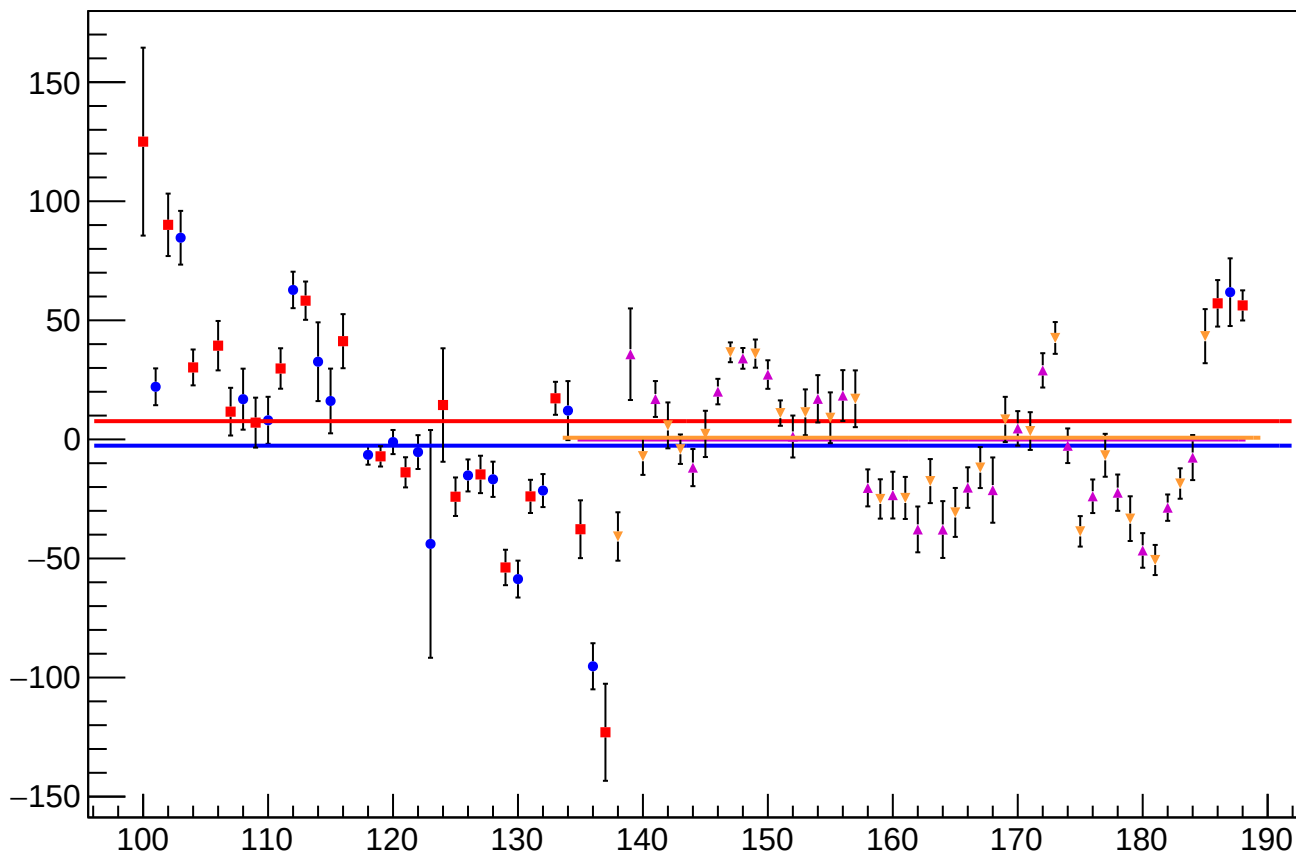
reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -586.400+/-8.817 χ^2/NDF : 0.0/0
 Left Out: -398.556+/-1.962 χ^2/NDF : 5659.5/24
 Right Out: -581.729+/-3.896 χ^2/NDF : 32.1/1
 Left In: -417.080+/-1.997 χ^2/NDF : 3958.5/22

Left: -407.653+/-1.399 χ^2/NDF : 9661.9/47
 Right: -582.492+/-3.564 χ^2/NDF : 32.3/2
 In: -425.341+/-1.948 χ^2/NDF : 4309.4/23
 Out: -435.597+/-1.752 χ^2/NDF : 7455.0/26
 All: -431.010+/-1.303 χ^2/NDF : 11779.7/50

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.635 ± 1.872 χ^2/NDF : 335.3/17

Left Out: 0.697 ± 1.510 χ^2/NDF : 349.9/24

Right Out: 7.656 ± 1.806 χ^2/NDF : 399.5/20

Left In: -0.052 ± 1.571 χ^2/NDF : 264.1/22

Left: 0.337 ± 1.089 χ^2/NDF : 614.1/47

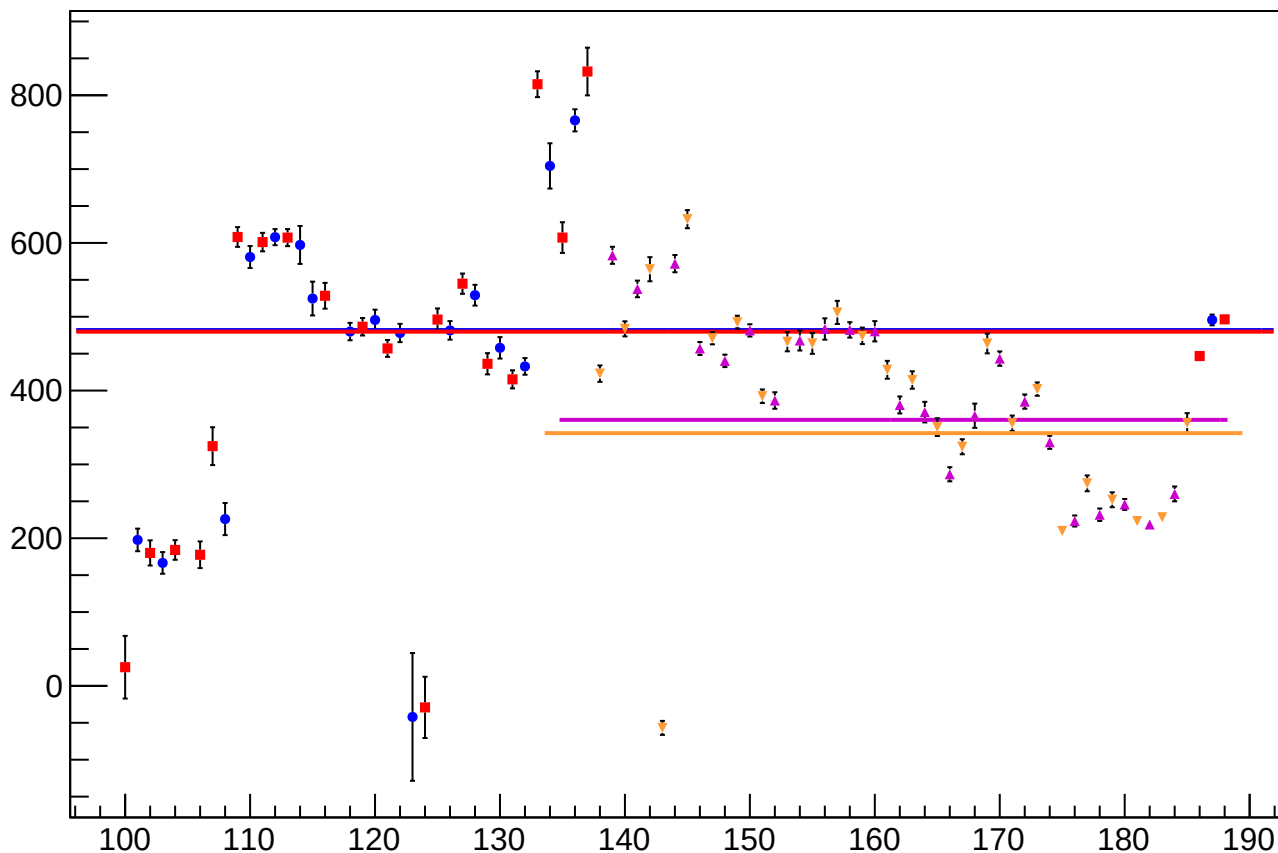
Right: 2.696 ± 1.300 χ^2/NDF : 750.4/38

In: -1.119 ± 1.203 χ^2/NDF : 600.5/40

Out: 3.561 ± 1.158 χ^2/NDF : 758.1/45

All: 1.310 ± 0.835 χ^2/NDF : 1366.5/86

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 481.970 $\pm$ 3.245 χ^2 /NDF: 1633.5/17

Left Out: 342.368 $\pm$ 1.970 χ^2 /NDF: 5181.7/24

Right Out: 479.822 $\pm$ 2.343 χ^2 /NDF: 2338.5/20

Left In: 360.355 $\pm$ 1.996 χ^2 /NDF: 3449.9/22

Left: 351.245 $\pm$ 1.402 χ^2 /NDF: 8672.8/47

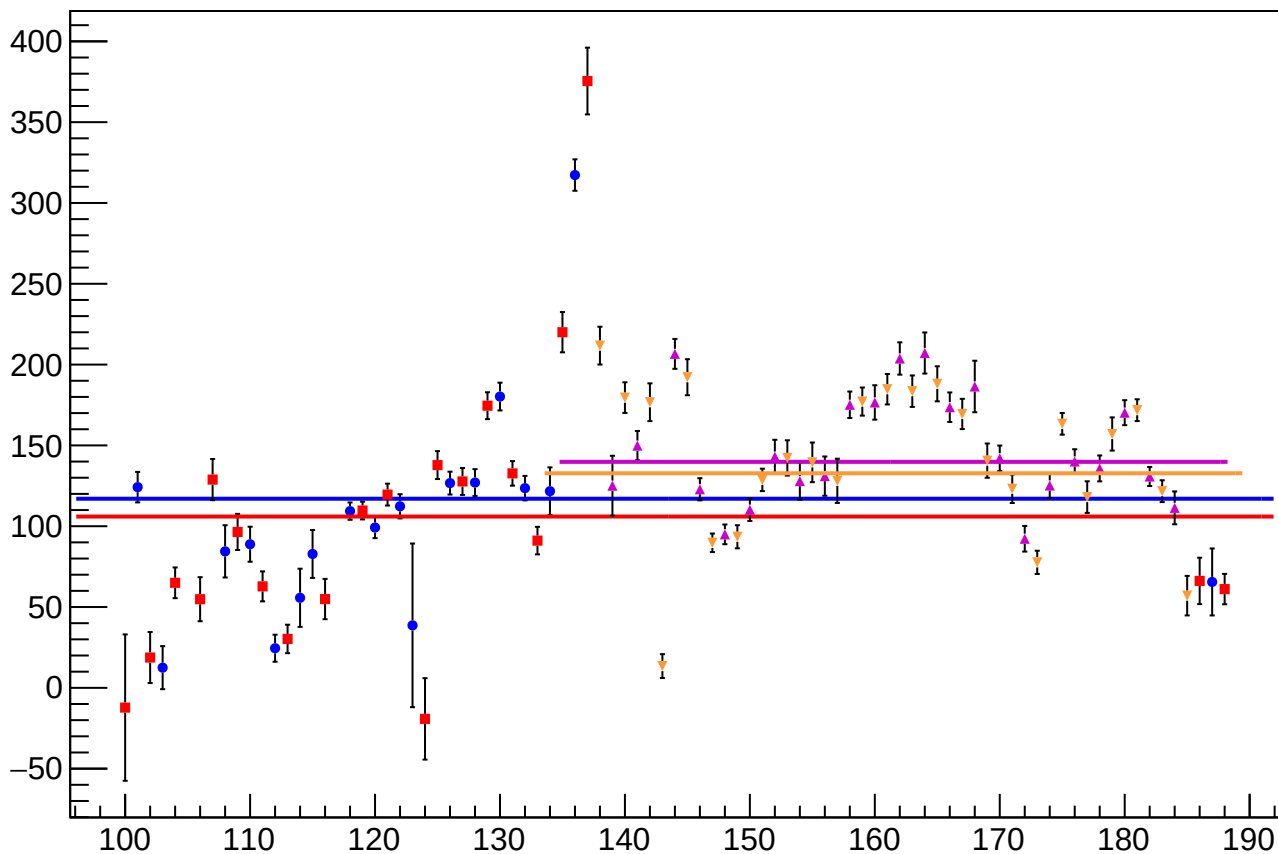
Right: 480.558 $\pm$ 1.900 χ^2 /NDF: 3972.2/38

In: 393.720 $\pm$ 1.700 χ^2 /NDF: 6102.3/40

Out: 399.276 $\pm$ 1.508 χ^2 /NDF: 9536.2/45

All: 396.829 $\pm$ 1.128 χ^2 /NDF: 15644.5/86

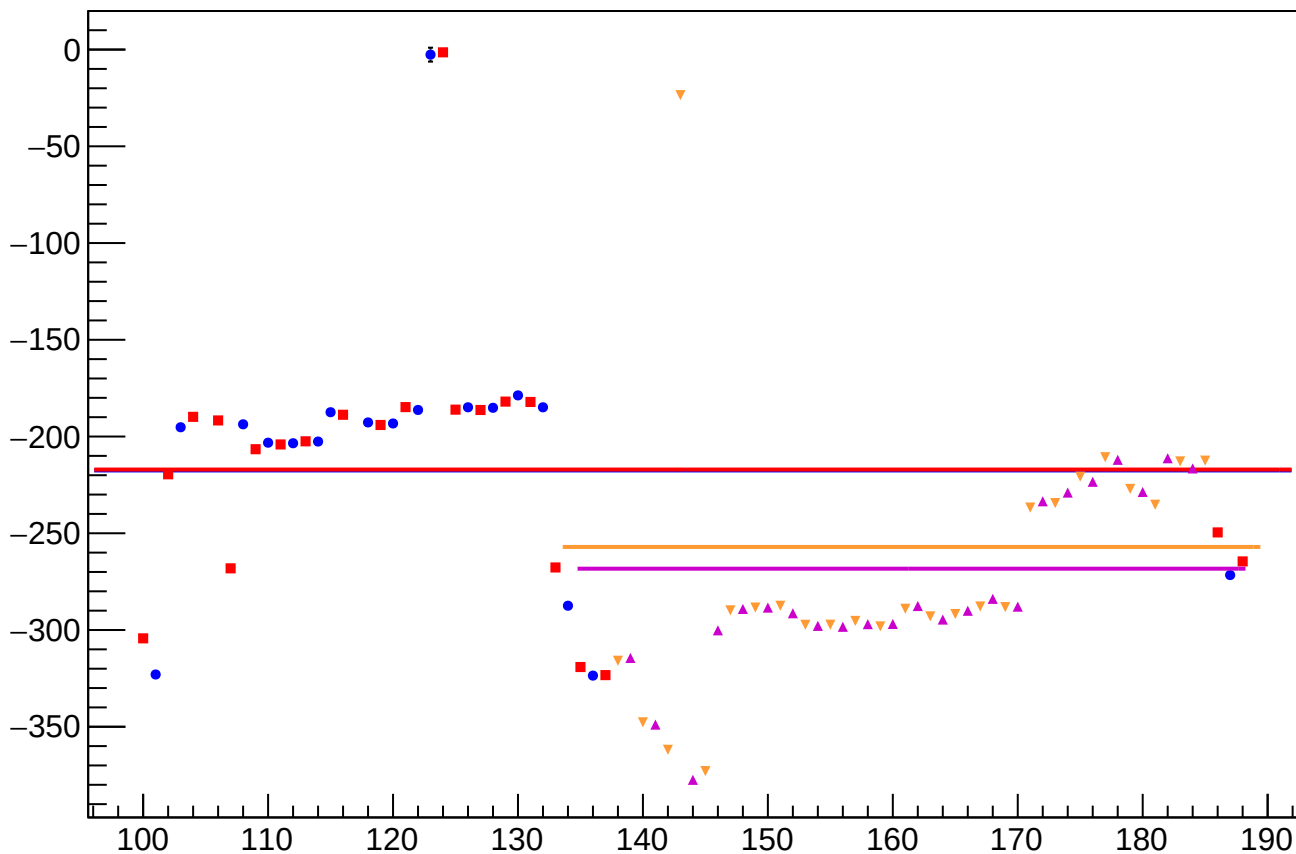
reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 117.008 ± 2.181 $\chi^2/\text{NDF}: 713.1/17$
 Left Out: 132.762 ± 1.736 $\chi^2/\text{NDF}: 749.6/24$
 Right Out: 105.979 ± 2.127 $\chi^2/\text{NDF}: 604.0/20$
 Left In: 139.828 ± 1.790 $\chi^2/\text{NDF}: 321.7/22$

Left: 136.187 ± 1.246 $\chi^2/\text{NDF}: 1079.3/47$
 Right: 111.357 ± 1.523 $\chi^2/\text{NDF}: 1330.3/38$
 In: 130.644 ± 1.383 $\chi^2/\text{NDF}: 1100.2/40$
 Out: 122.059 ± 1.345 $\chi^2/\text{NDF}: 1448.8/45$
 All: 126.230 ± 0.964 $\chi^2/\text{NDF}: 2568.8/86$

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.525+/-0.135 χ^2/NDF : 149149.0/17

Left Out: -257.067+/-0.082 χ^2/NDF : 665762.3/24

Right Out: -217.067+/-0.124 χ^2/NDF : 128727.8/20

Left In: -268.305+/-0.083 χ^2/NDF : 264853.3/22

Left: -262.619+/-0.059 χ^2/NDF : 939831.3/47

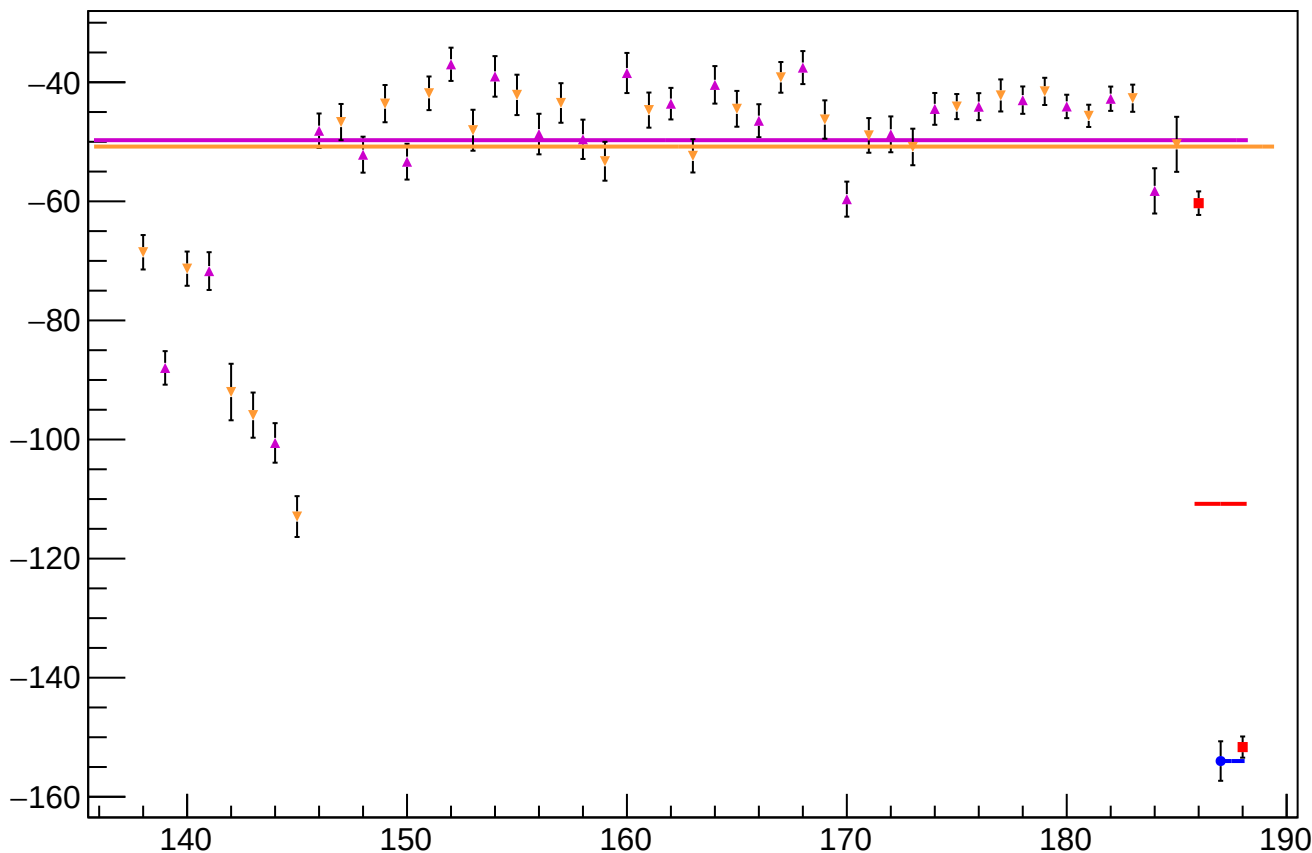
Right: -217.278+/-0.091 χ^2/NDF : 277883.0/38

In: -254.272+/-0.071 χ^2/NDF : 516776.5/40

Out: -244.902+/-0.069 χ^2/NDF : 866371.7/45

All: -249.439+/-0.049 χ^2/NDF : 1392174.1/86

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -153.998 ± 3.318 χ^2/NDF : 0.0/0

Left Out: -50.802 ± 0.574 χ^2/NDF : 752.7/24

Right Out: -110.802 ± 1.324 χ^2/NDF : 1177.5/1

Left In: -49.728 ± 0.581 χ^2/NDF : 601.0/22

Left: -50.272 ± 0.408 χ^2/NDF : 1355.3/47

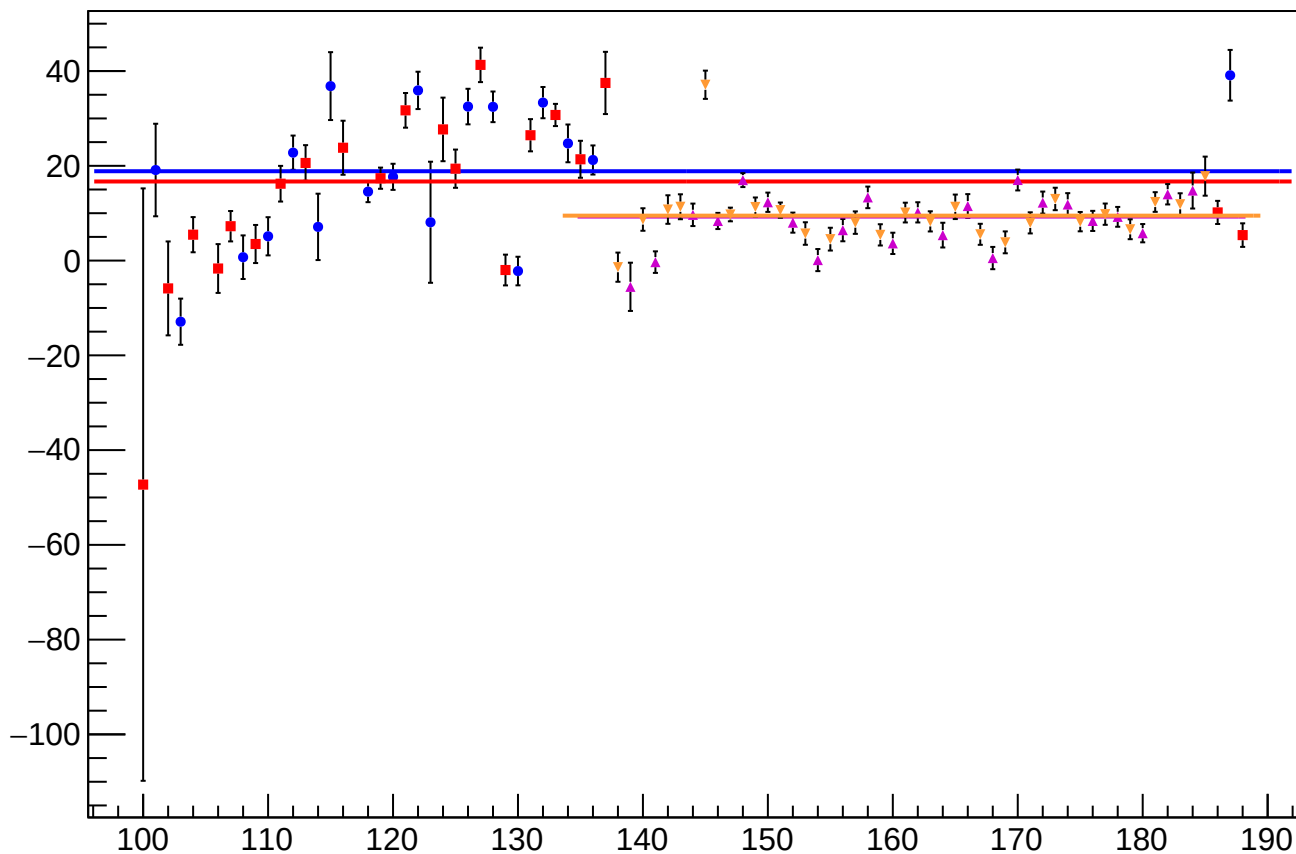
Right: -116.732 ± 1.229 χ^2/NDF : 1323.7/2

In: -52.835 ± 0.573 χ^2/NDF : 1559.1/23

Out: -60.295 ± 0.526 χ^2/NDF : 3659.9/26

All: -56.878 ± 0.388 χ^2/NDF : 5310.9/50

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.860 $\pm$ 0.893 χ^2 /NDF: 219.3/17

Left Out: 9.483 $\pm$ 0.447 χ^2 /NDF:133.0/24

Right Out: 16.694 $\pm$ 0.774 χ^2 /NDF: 232.7/20

Left In: 9.289 $\pm$ 0.461 χ^2 /NDF:125.6/22

Left: 9.389 $\pm$ 0.321 χ^2 /NDF: 258.8/47

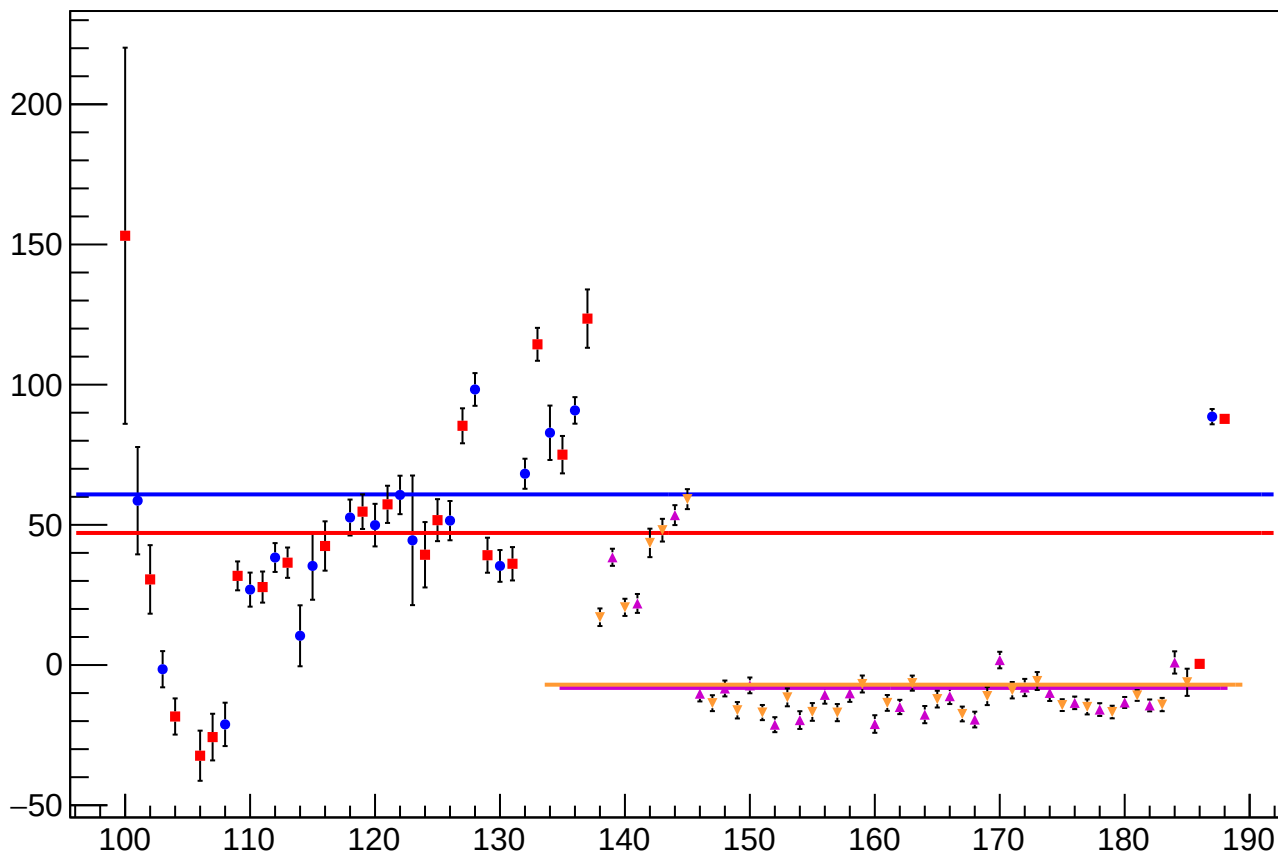
Right: 17.624 $\pm$ 0.585 χ^2 /NDF: 455.4/38

In: 11.300 $\pm$ 0.409 χ^2 /NDF:435.7/40

Out: 11.285 $\pm$ 0.387 χ^2 /NDF:430.9/45

All: 11.292 $\pm$ 0.281 χ^2 /NDF: 866.6/86

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 60.860 $\pm$ 1.423 χ^2 /NDF: 500.1/17

Left Out: -7.007 $\pm$ 0.572 χ^2 /NDF: 899.2/24

Right Out: 47.108 $\pm$ 0.886 χ^2 /NDF: 2208.9/20

Left In: -8.158 $\pm$ 0.578 χ^2 /NDF: 753.9/22

Left: -7.577 $\pm$ 0.406 χ^2 /NDF: 1655.2/47

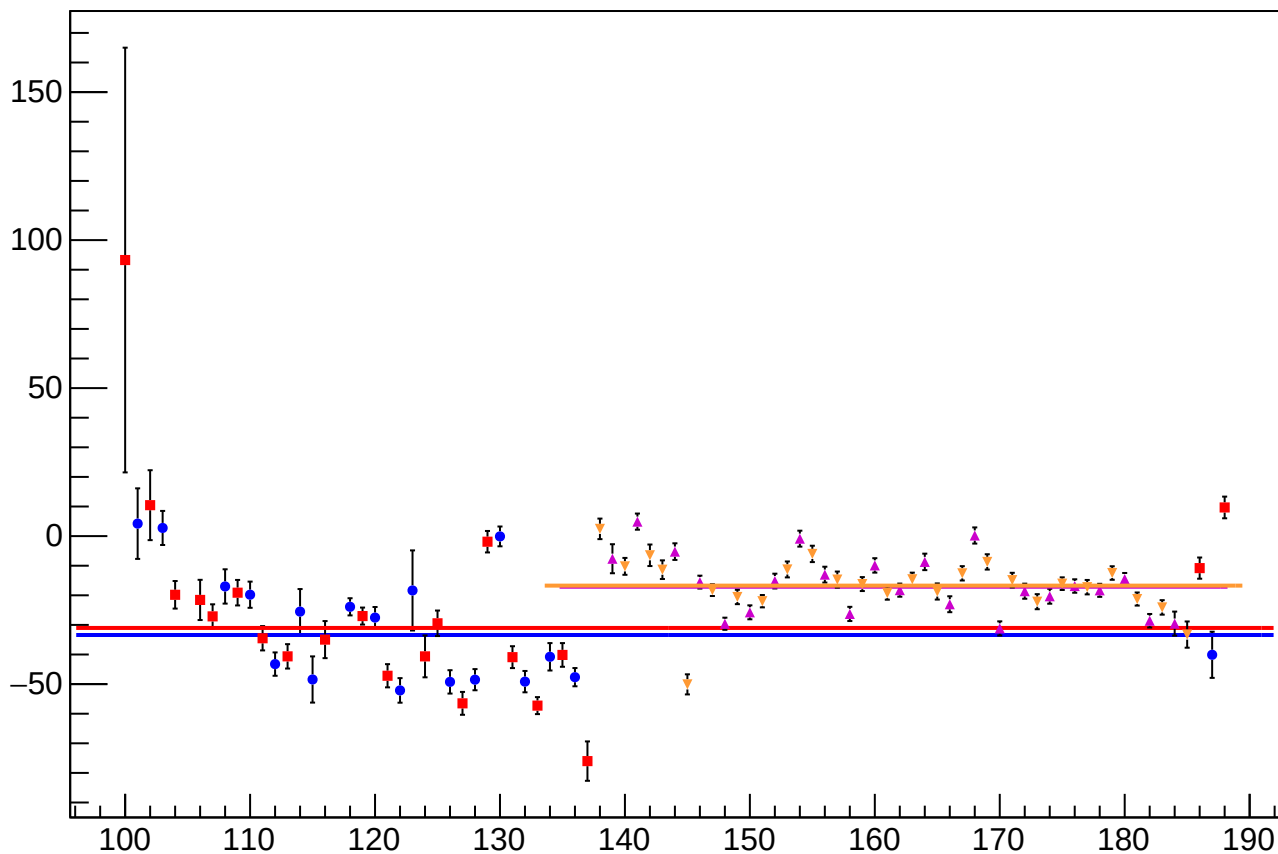
Right: 50.953 $\pm$ 0.752 χ^2 /NDF: 2776.3/38

In: 1.609 $\pm$ 0.535 χ^2 /NDF: 3274.1/40

Out: 8.898 $\pm$ 0.481 χ^2 /NDF: 5739.6/45

All: 5.645 $\pm$ 0.358 χ^2 /NDF: 9116.3/86

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.409 ± 1.024 $\chi^2/\text{NDF}: 289.9/17$

Left Out: -16.727 ± 0.508 $\chi^2/\text{NDF}: 223.3/24$

Right Out: -31.025 ± 0.925 $\chi^2/\text{NDF}: 463.9/20$

Left In: -17.100 ± 0.520 $\chi^2/\text{NDF}: 328.1/22$

Left: -16.909 ± 0.363 $\chi^2/\text{NDF}: 551.7/47$

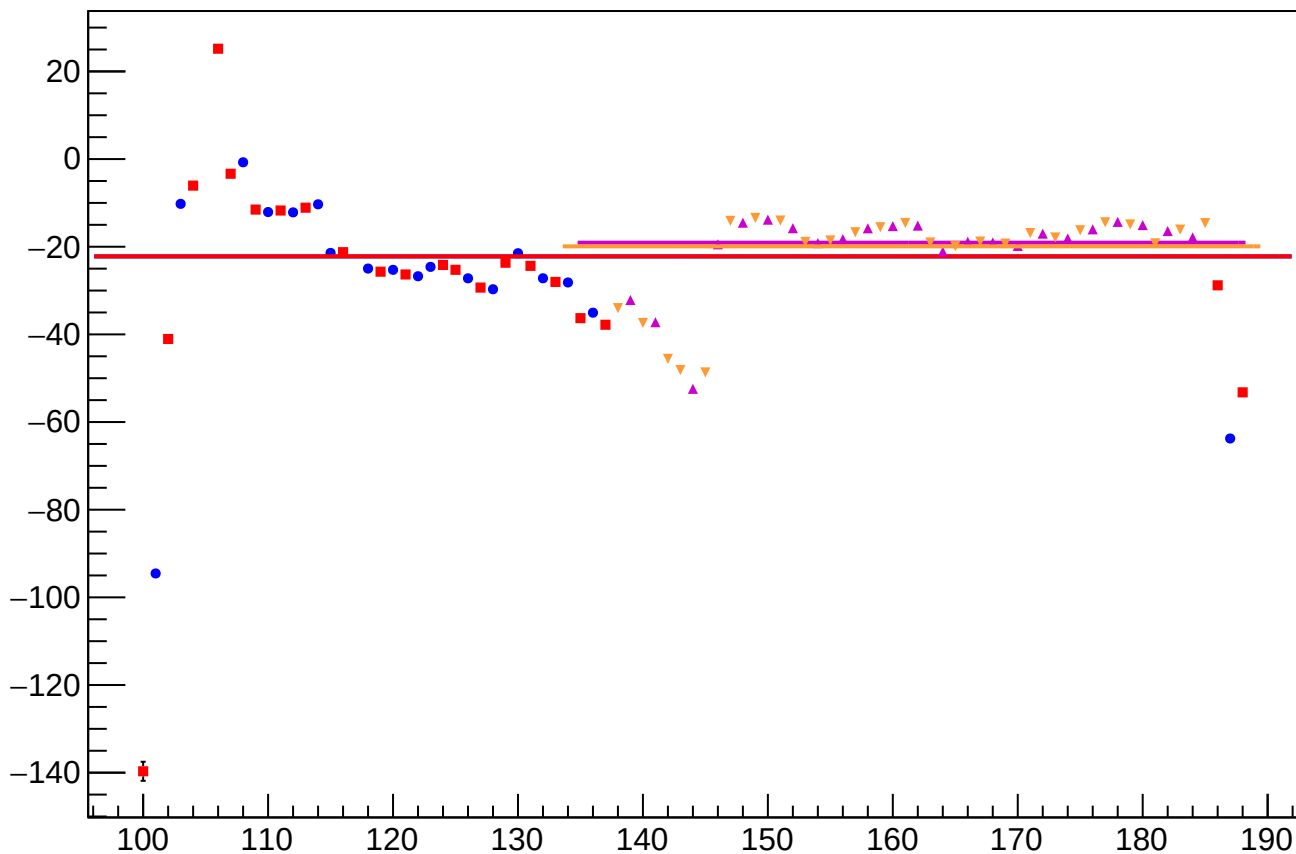
Right: -32.097 ± 0.687 $\chi^2/\text{NDF}: 756.7/38$

In: -20.448 ± 0.464 $\chi^2/\text{NDF}: 819.5/40$

Out: -20.035 ± 0.445 $\chi^2/\text{NDF}: 870.7/45$

All: -20.233 ± 0.321 $\chi^2/\text{NDF}: 1690.6/86$

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -22.218 ± 0.058 χ^2/NDF : 58118.8/17

Left Out: -19.915 ± 0.023 χ^2/NDF : 141090.6/24

Right Out: -22.192 ± 0.053 χ^2/NDF : 117154.2/20

Left In: -19.068 ± 0.024 χ^2/NDF : 92702.3/22

Left: -19.496 ± 0.017 χ^2/NDF : 234444.5/47

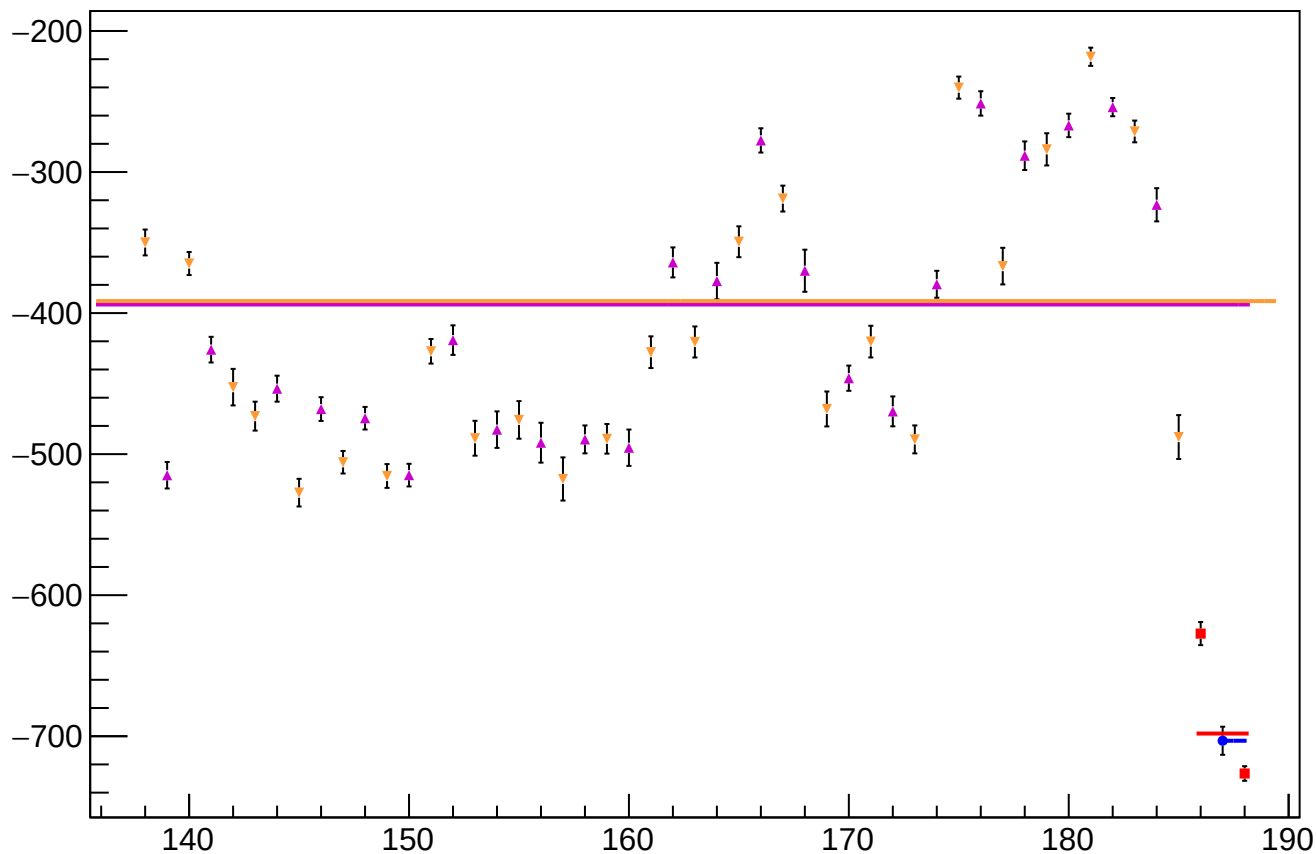
Right: -22.204 ± 0.039 χ^2/NDF : 175273.1/38

In: -19.513 ± 0.022 χ^2/NDF : 153340.2/40

Out: -20.282 ± 0.021 χ^2/NDF : 259777.3/45

All: -19.905 ± 0.015 χ^2/NDF : 413750.3/86

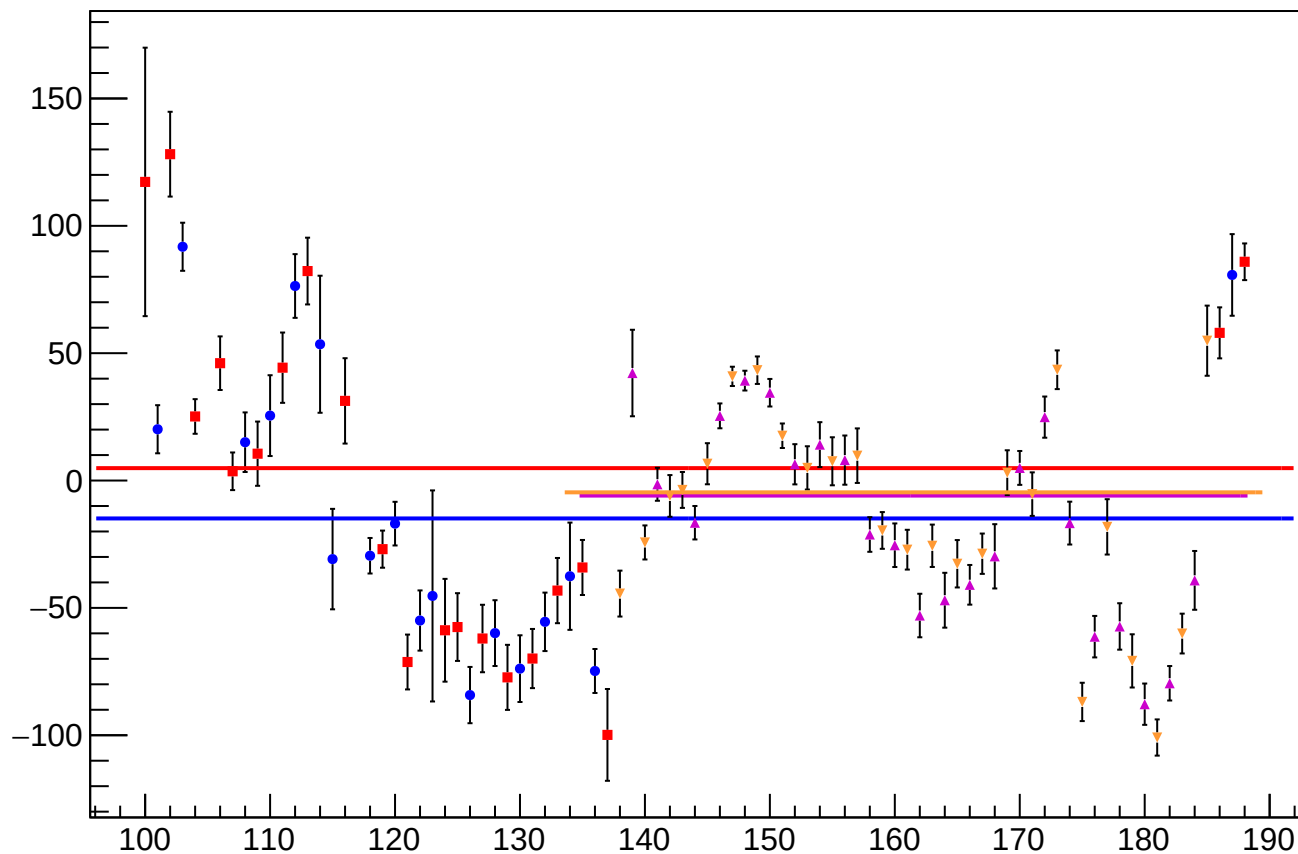
reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -703.210 ± 9.965 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -391.476 ± 1.973 $\chi^2/\text{NDF}: 2708.6/24$
 Right Out: -698.098 ± 4.377 $\chi^2/\text{NDF}: 104.8/1$
 Left In: -393.904 ± 1.998 $\chi^2/\text{NDF}: 2280.8/22$

Left: -392.674 ± 1.404 $\chi^2/\text{NDF}: 4990.1/47$
 Right: -698.925 ± 4.007 $\chi^2/\text{NDF}: 105.0/2$
 In: -405.857 ± 1.959 $\chi^2/\text{NDF}: 3207.1/23$
 Out: -443.240 ± 1.798 $\chi^2/\text{NDF}: 6892.8/26$
 All: -426.143 ± 1.325 $\chi^2/\text{NDF}: 10297.5/50$

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -14.884 ± 2.740 $\chi^2/\text{NDF}: 400.5/17$

Left Out: -4.635 ± 1.467 $\chi^2/\text{NDF}: 771.4/24$

Right Out: 4.869 ± 2.386 $\chi^2/\text{NDF}: 554.2/20$

Left In: -5.906 ± 1.513 $\chi^2/\text{NDF}: 657.5/22$

Left: -5.251 ± 1.053 $\chi^2/\text{NDF}: 1429.3/47$

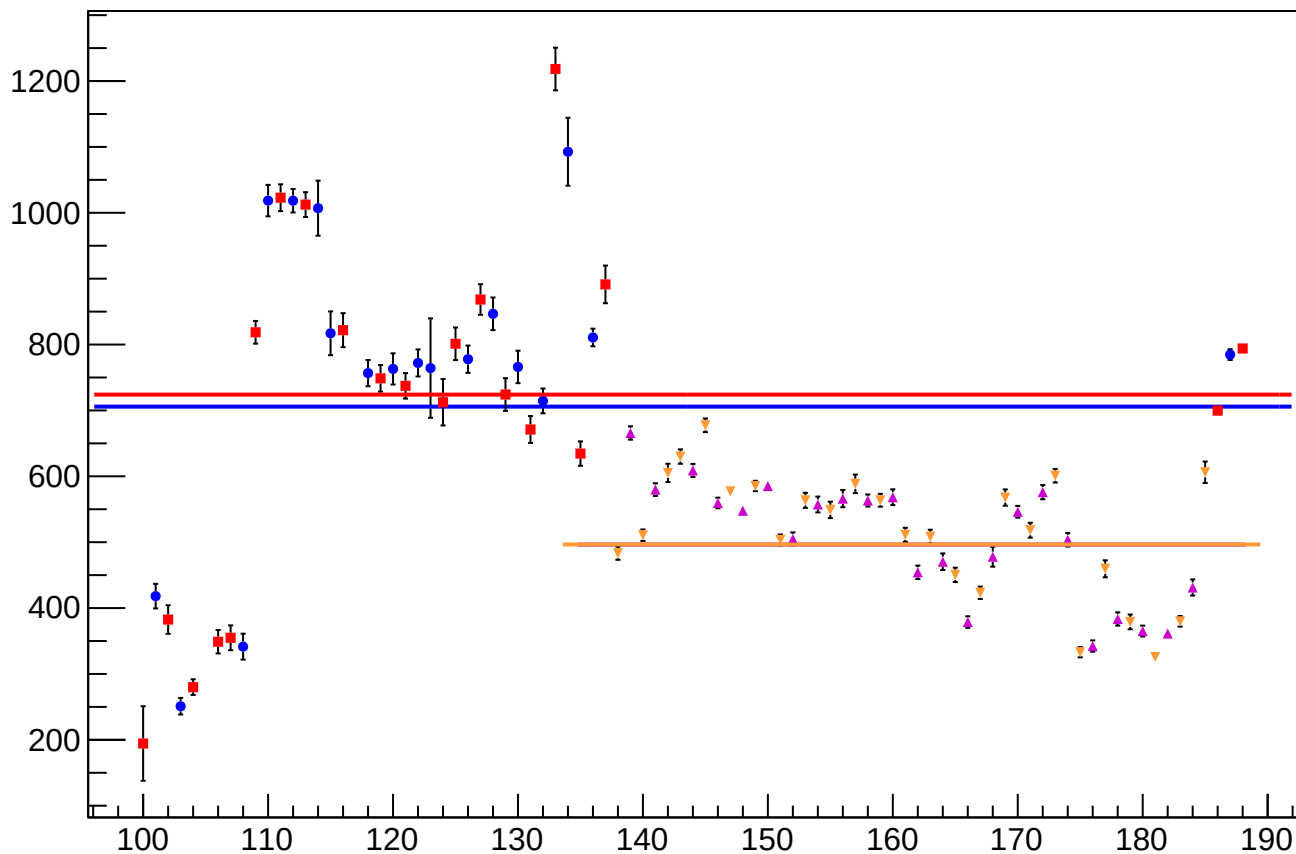
Right: -3.647 ± 1.799 $\chi^2/\text{NDF}: 984.3/38$

In: -8.004 ± 1.325 $\chi^2/\text{NDF}: 1066.3/40$

Out: -2.027 ± 1.250 $\chi^2/\text{NDF}: 1337.1/45$

All: -4.842 ± 0.909 $\chi^2/\text{NDF}: 2414.2/86$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 705.782 $\pm$ 4.290 χ^2 /NDF: 2714.7/17

Left Out: 496.535 $\pm$ 1.971 χ^2 /NDF:2589.1/24

Right Out: 723.997 $\pm$ 2.823 χ^2 /NDF: 3696.4/20

Left In: 496.393 $\pm$ 1.985 χ^2 /NDF:2295.8/22

Left: 496.465 $\pm$ 1.399 χ^2 /NDF: 4884.9/47

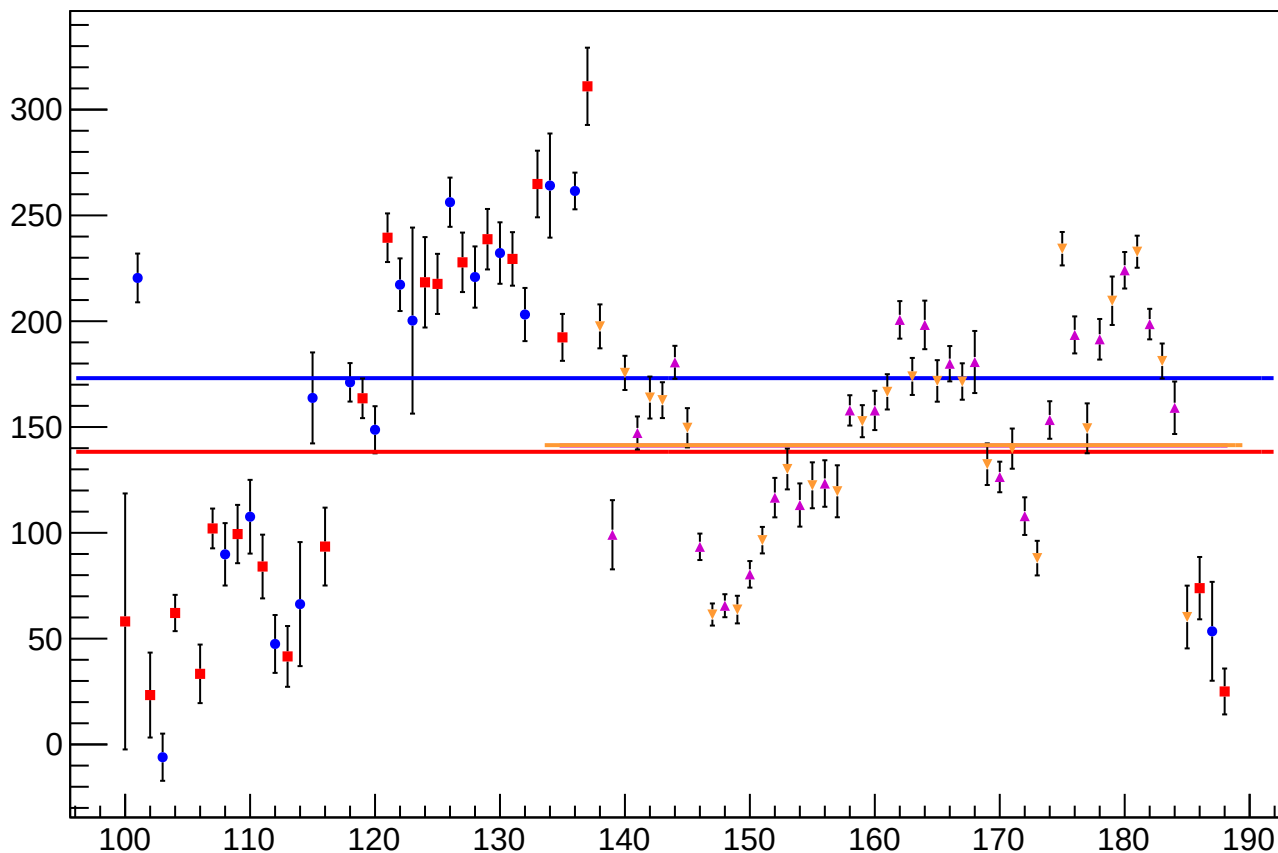
Right: 718.492 $\pm$ 2.358 χ^2 /NDF: 6423.7/38

In: 533.336 $\pm$ 1.802 χ^2 /NDF:6972.8/40

Out: 571.083 $\pm$ 1.616 χ^2 /NDF:10649.8/45

All: 554.254 $\pm$ 1.203 χ^2 /NDF: 17865.8/86

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 173.093 $\pm$ 3.173 χ^2 /NDF: 665.2/17

Left Out: 141.430 $\pm$ 1.704 χ^2 /NDF:957.7/24

Right Out: 138.287 $\pm$ 2.875 χ^2 /NDF: 836.0/20

Left In: 141.248 $\pm$ 1.744 χ^2 /NDF:744.2/22

Left: 141.341 $\pm$ 1.219 χ^2 /NDF: 1701.9/47

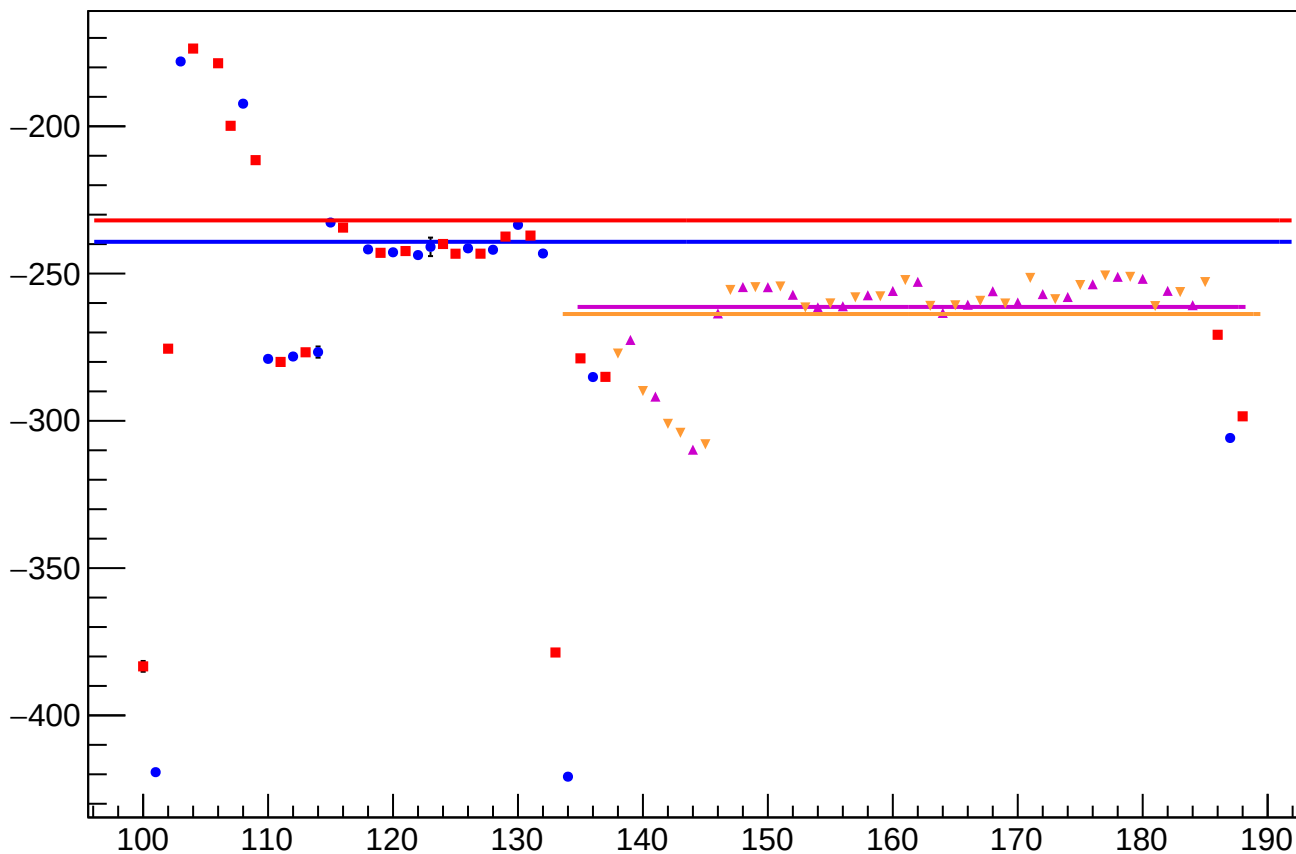
Right: 153.980 $\pm$ 2.131 χ^2 /NDF: 1567.3/38

In: 148.635 $\pm$ 1.528 χ^2 /NDF:1486.7/40

Out: 140.613 $\pm$ 1.466 χ^2 /NDF:1794.6/45

All: 144.457 $\pm$ 1.058 χ^2 /NDF: 3295.7/86

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -239.218+/-0.159 χ^2 /NDF: 169688.3/17

Left Out: -263.734+/-0.081 χ^2 /NDF: 37922.0/24

Right Out: -231.952+/-0.145 χ^2 /NDF: 118375.0/20

Left In: -261.325+/-0.082 χ^2 /NDF: 23449.2/22

Left: -262.533+/-0.058 χ^2 /NDF: 61807.4/47

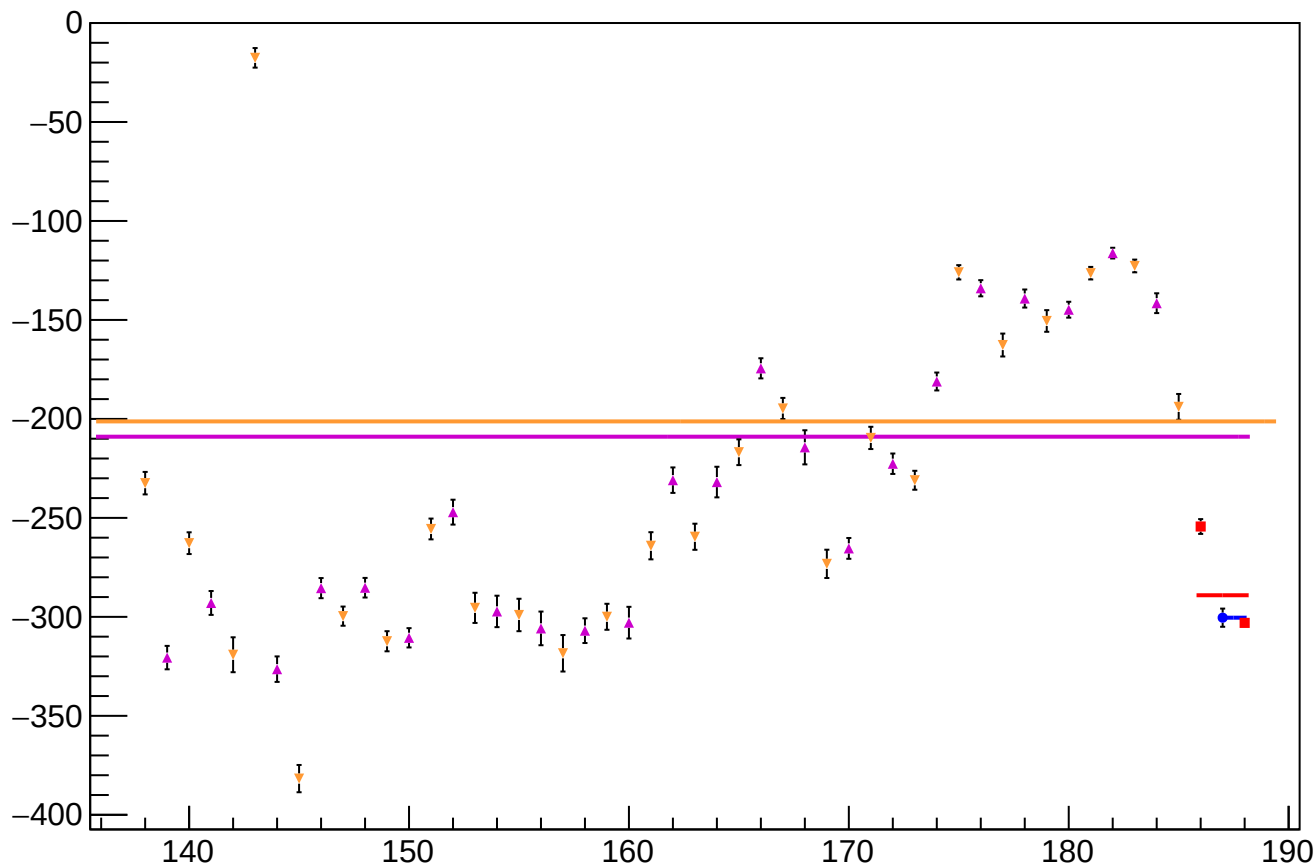
Right: -235.254+/-0.107 χ^2 /NDF: 289205.8/38

In: -256.702+/-0.073 χ^2 /NDF: 208470.9/40

Out: -256.101+/-0.071 χ^2 /NDF: 192846.8/45

All: -256.395+/-0.051 χ^2 /NDF: 401352.7/86

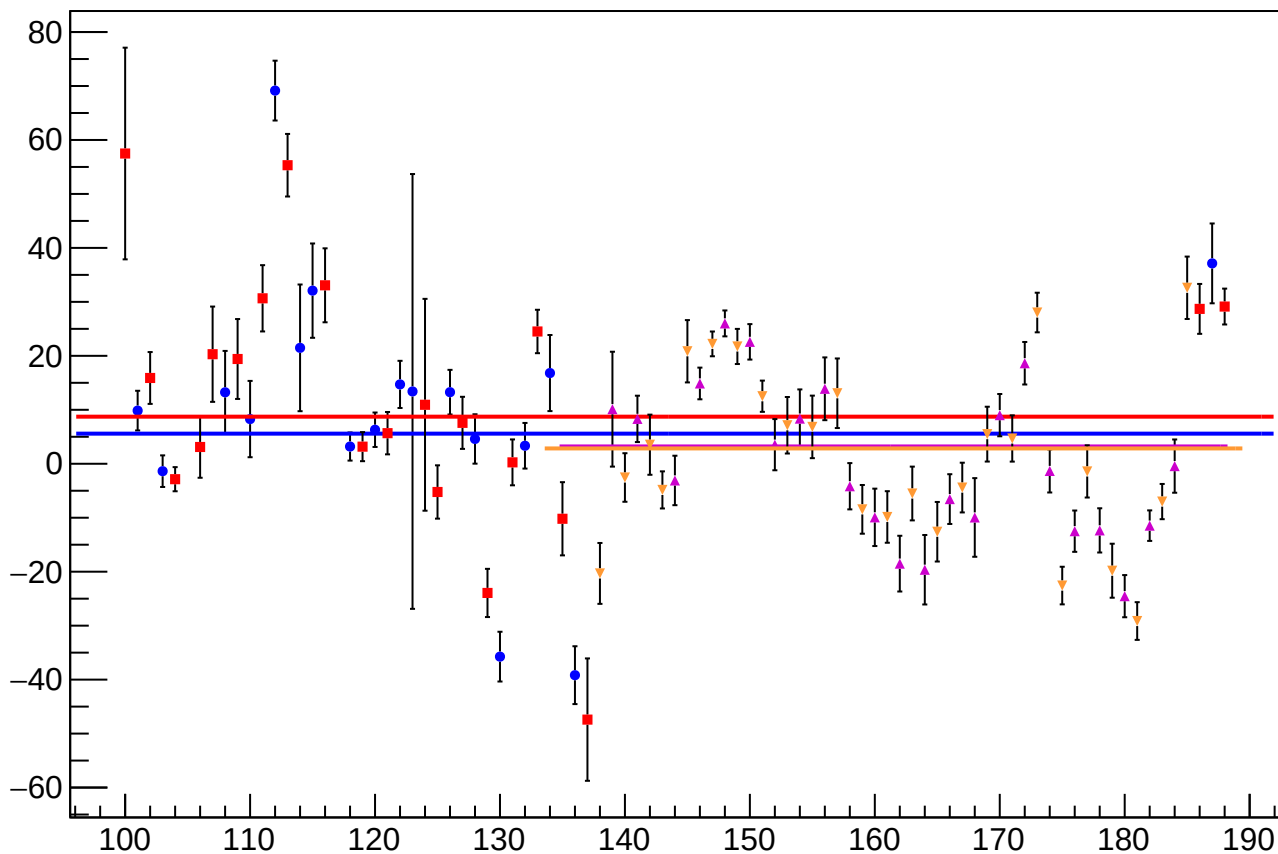
reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -300.418+/-4.592 χ^2/NDF : 0.0/0
 Left Out: -201.261+/-1.065 χ^2/NDF : 6110.1/24
 Right Out: -289.081+/-2.002 χ^2/NDF : 121.0/1
 Left In: -208.981+/-1.078 χ^2/NDF : 4865.2/22

Left: -205.075+/-0.758 χ^2/NDF : 11001.2/47
 Right: -290.892+/-1.835 χ^2/NDF : 126.1/2
 In: -213.759+/-1.050 χ^2/NDF : 5241.1/23
 Out: -220.645+/-0.941 χ^2/NDF : 7730.7/26
 All: -217.578+/-0.700 χ^2/NDF : 12995.6/50

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.580 $\pm$ 1.077 χ^2 /NDF: 330.5/17

Left Out: 2.841 $\pm$ 0.824 χ^2 /NDF:420.6/24

Right Out: 8.727 $\pm$ 0.996 χ^2 /NDF: 304.4/20

Left In: 3.208 $\pm$ 0.854 χ^2 /NDF:323.8/22

Left: 3.018 $\pm$ 0.593 χ^2 /NDF: 744.6/47

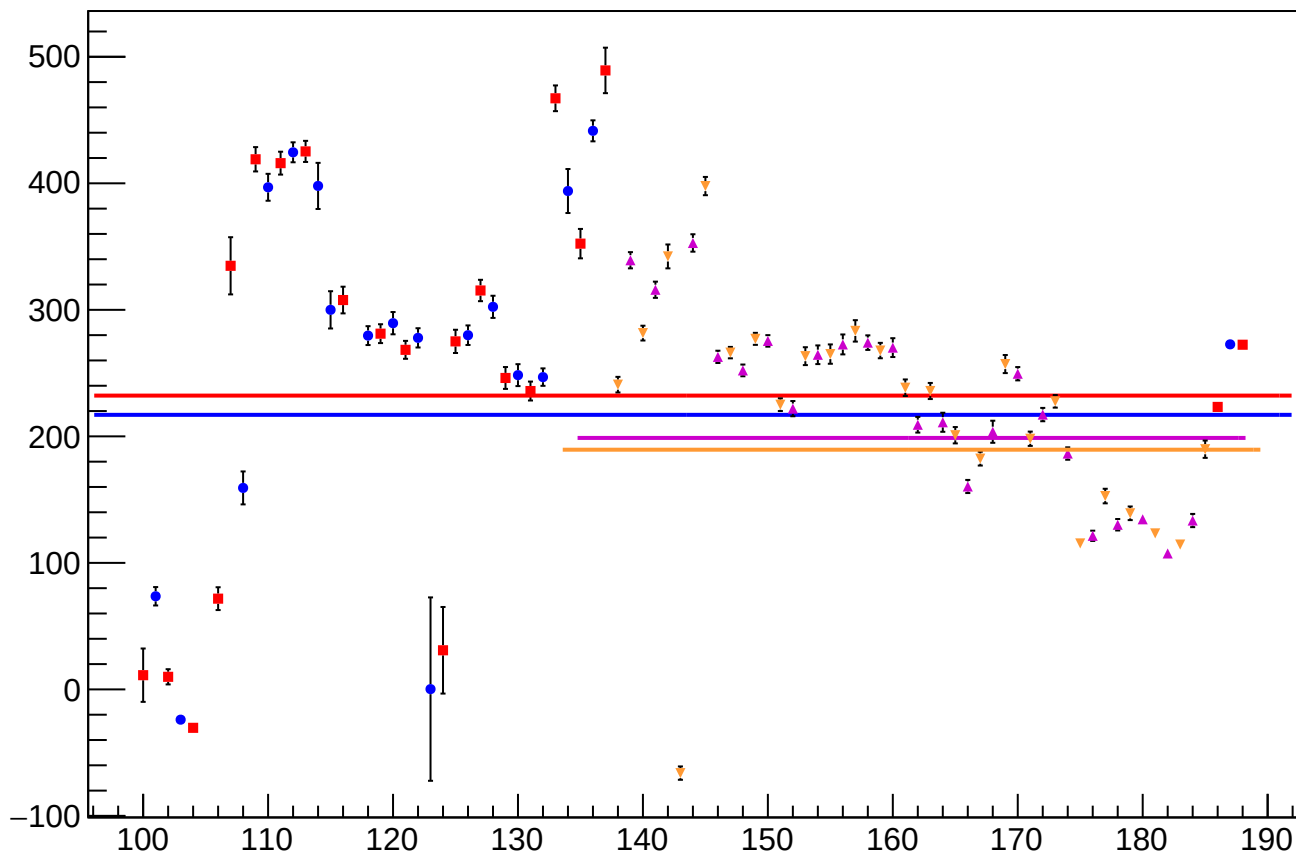
Right: 7.277 $\pm$ 0.731 χ^2 /NDF: 639.5/38

In: 4.124 $\pm$ 0.669 χ^2 /NDF:657.4/40

Out: 5.233 $\pm$ 0.635 χ^2 /NDF:745.7/45

All: 4.708 $\pm$ 0.461 χ^2 /NDF: 1404.5/86

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 217.009 $\pm$ 1.747 χ^2 /NDF: 7031.9/17

Left Out: 189.453 $\pm$ 1.070 χ^2 /NDF:6649.7/24

Right Out: 232.219 $\pm$ 1.234 χ^2 /NDF: 9082.9/20

Left In: 198.762 $\pm$ 1.078 χ^2 /NDF:4590.0/22

Left: 194.072 $\pm$ 0.759 χ^2 /NDF: 11277.3/47

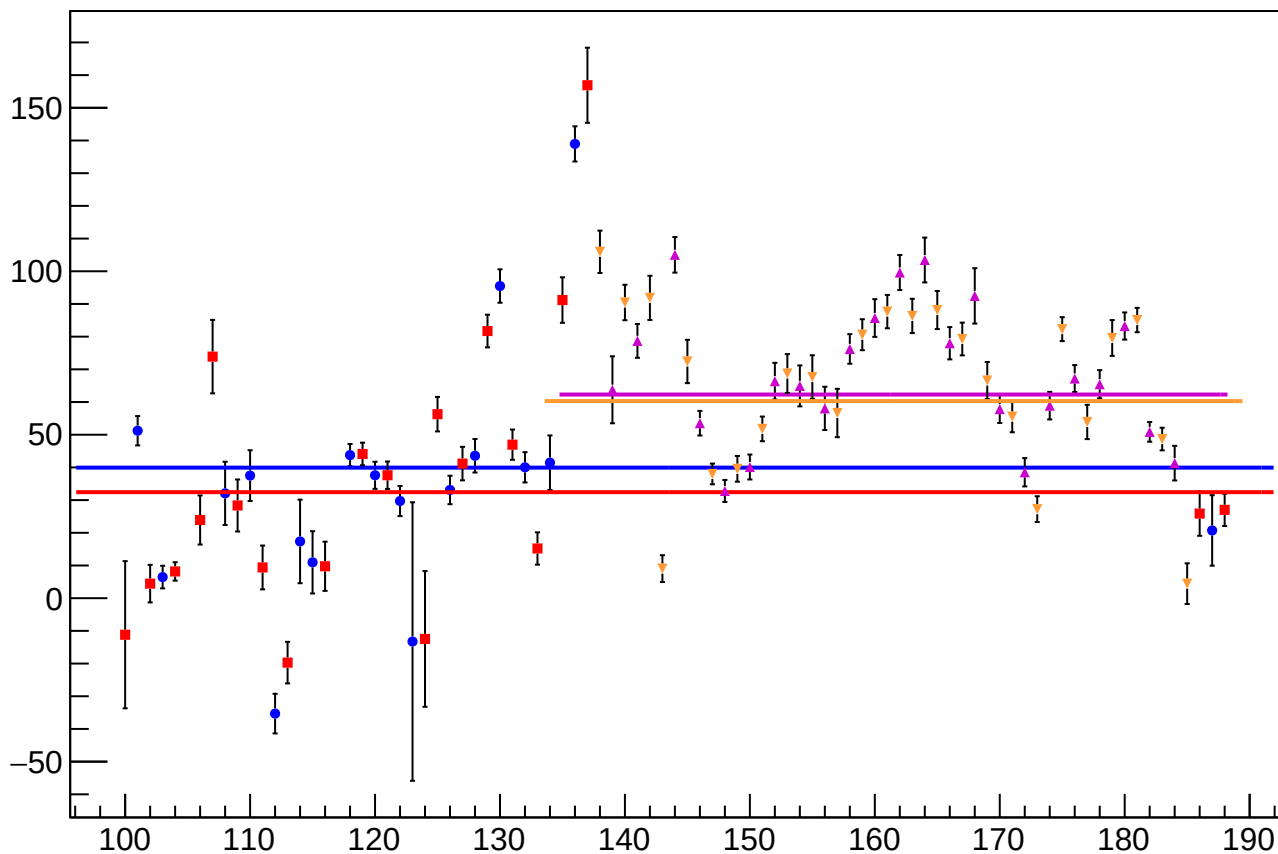
Right: 227.156 $\pm$ 1.008 χ^2 /NDF: 16165.4/38

In: 203.795 $\pm$ 0.917 χ^2 /NDF:11701.0/40

Out: 207.804 $\pm$ 0.808 χ^2 /NDF:16418.5/45

All: 206.052 $\pm$ 0.606 χ^2 /NDF: 28130.2/86

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 39.931 ± 1.259 $\chi^2/\text{NDF}: 738.2/17$

Left Out: 60.287 ± 0.945 $\chi^2/\text{NDF}: 714.8/24$

Right Out: 32.430 ± 1.195 $\chi^2/\text{NDF}: 556.4/20$

Left In: 62.290 ± 0.971 $\chi^2/\text{NDF}: 411.6/22$

Left: 61.261 ± 0.677 $\chi^2/\text{NDF}: 1128.6/47$

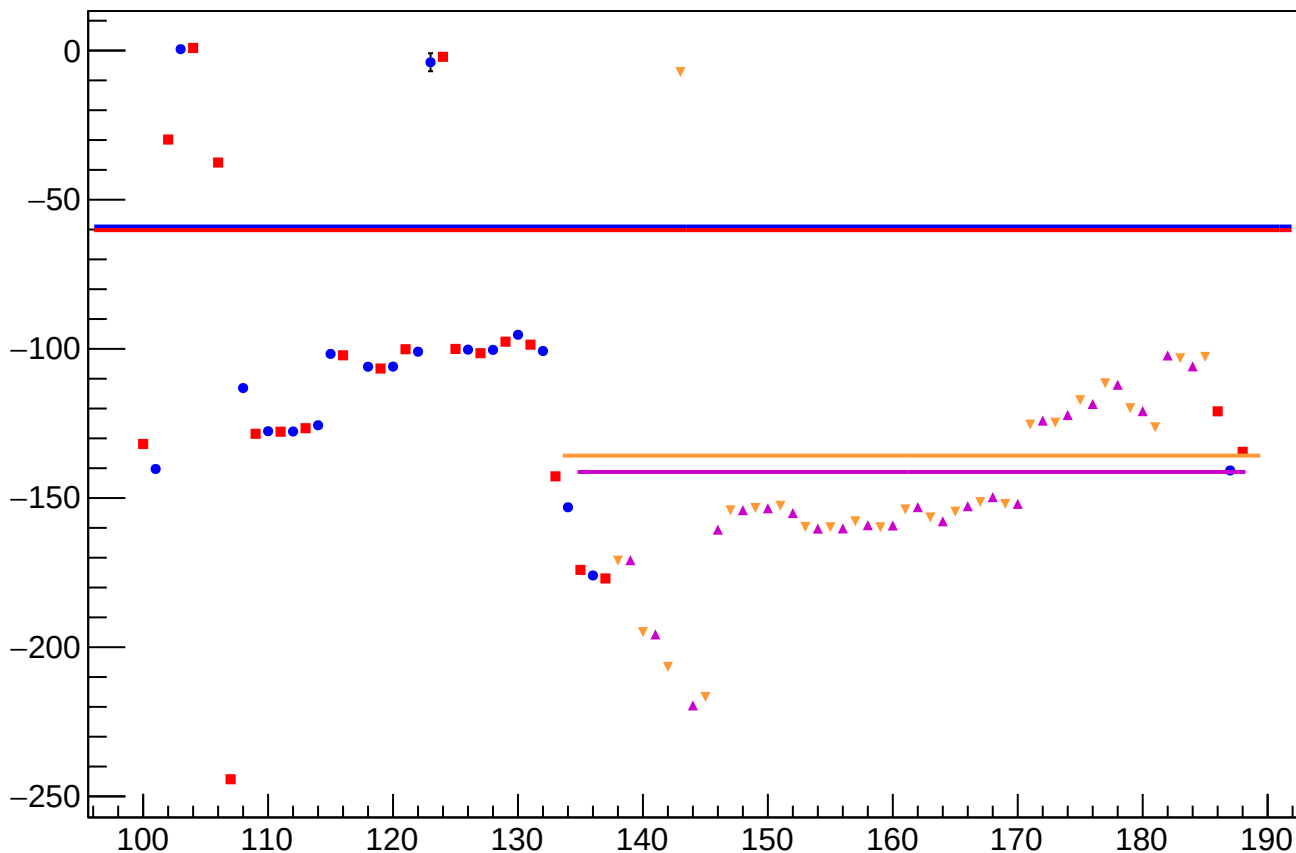
Right: 35.986 ± 0.867 $\chi^2/\text{NDF}: 1313.3/38$

In: 53.947 ± 0.769 $\chi^2/\text{NDF}: 1347.6/40$

Out: 49.572 ± 0.741 $\chi^2/\text{NDF}: 1605.5/45$

All: 51.679 ± 0.534 $\chi^2/\text{NDF}: 2969.8/86$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -58.992 ± 0.061 $\chi^2/\text{NDF}: 1123735.9/17$

Left Out: -135.775 ± 0.045 $\chi^2/\text{NDF}: 742021.1/24$

Right Out: -60.210 ± 0.058 $\chi^2/\text{NDF}: 1116576.7/20$

Left In: -141.259 ± 0.045 $\chi^2/\text{NDF}: 350045.9/22$

Left: -138.491 ± 0.032 $\chi^2/\text{NDF}: 1099530.1/47$

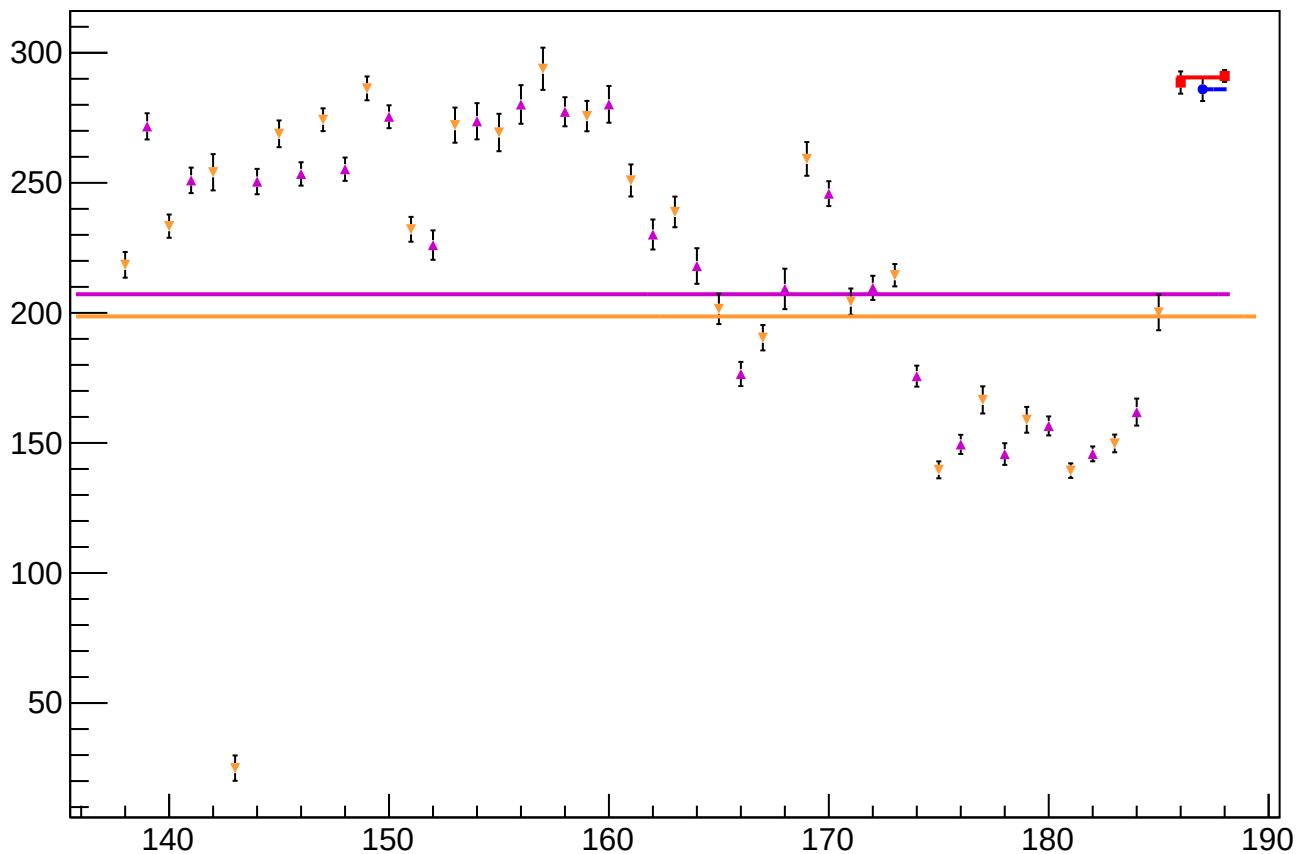
Right: -59.633 ± 0.042 $\chi^2/\text{NDF}: 2240520.8/38$

In: -112.338 ± 0.036 $\chi^2/\text{NDF}: 2643187.7/40$

Out: -107.703 ± 0.035 $\chi^2/\text{NDF}: 2921558.7/45$

All: -109.962 ± 0.025 $\chi^2/\text{NDF}: 5573092.5/86$

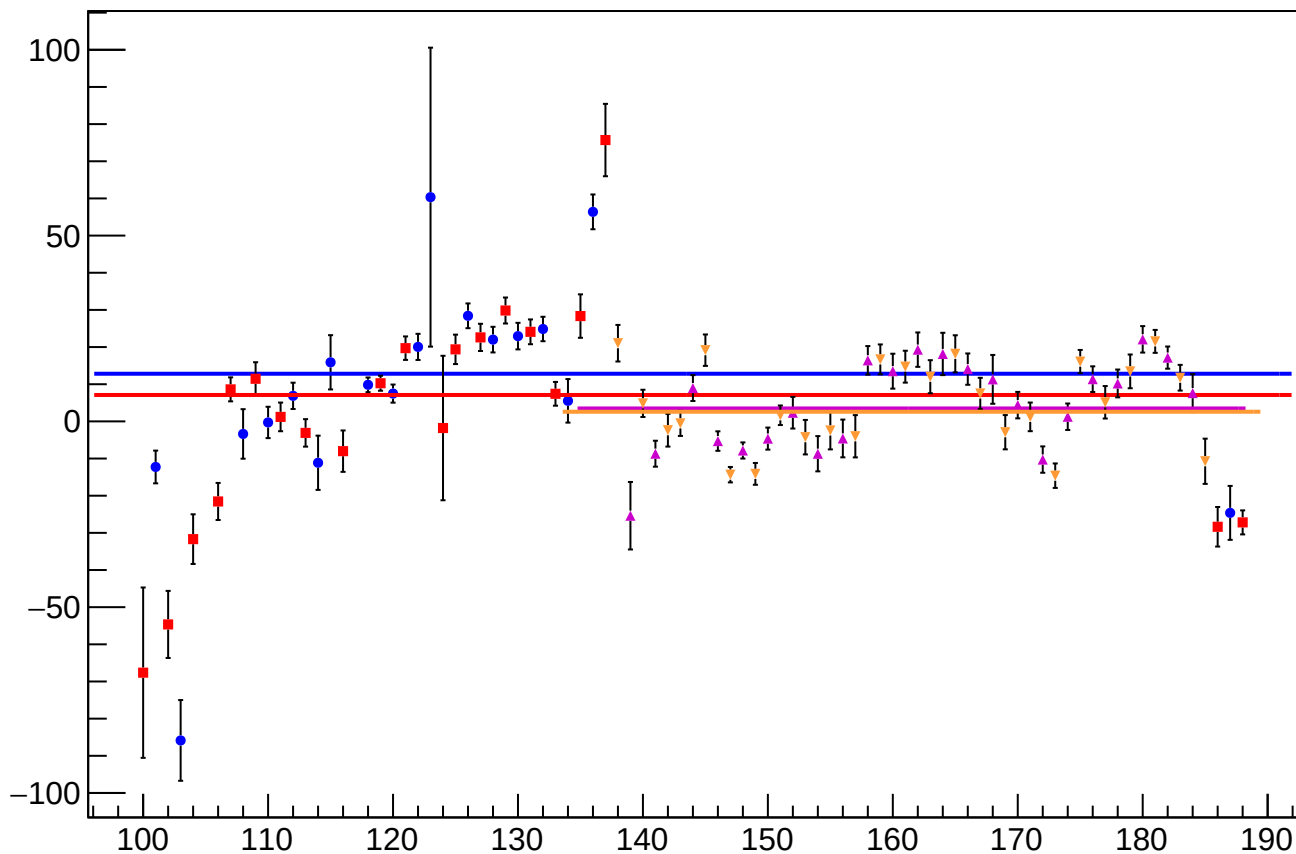
reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 285.970 $\pm$ 4.498 χ^2 /NDF: 0.0/0
 Left Out: 198.637 $\pm$ 0.966 χ^2 /NDF:4146.6/24
 Right Out: 290.538 $\pm$ 2.012 χ^2 /NDF: 0.3/1
 Left In: 207.171 $\pm$ 0.986 χ^2 /NDF:2631.6/22

Left: 202.817 $\pm$ 0.690 χ^2 /NDF: 6816.4/47
 Right: 289.777 $\pm$ 1.837 χ^2 /NDF: 1.1/2
 In: 210.784 $\pm$ 0.963 χ^2 /NDF:2924.3/23
 Out: 215.859 $\pm$ 0.871 χ^2 /NDF:5842.5/26
 All: 213.576 $\pm$ 0.646 χ^2 /NDF: 8782.1/50

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.821 $\pm$ 0.912 χ^2 /NDF: 322.3/17

Left Out: 2.595 $\pm$ 0.744 χ^2 /NDF:274.3/24

Right Out: 7.106 $\pm$ 0.870 χ^2 /NDF: 476.6/20

Left In: 3.478 $\pm$ 0.772 χ^2 /NDF:194.7/22

Left: 3.020 $\pm$ 0.536 χ^2 /NDF: 469.7/47

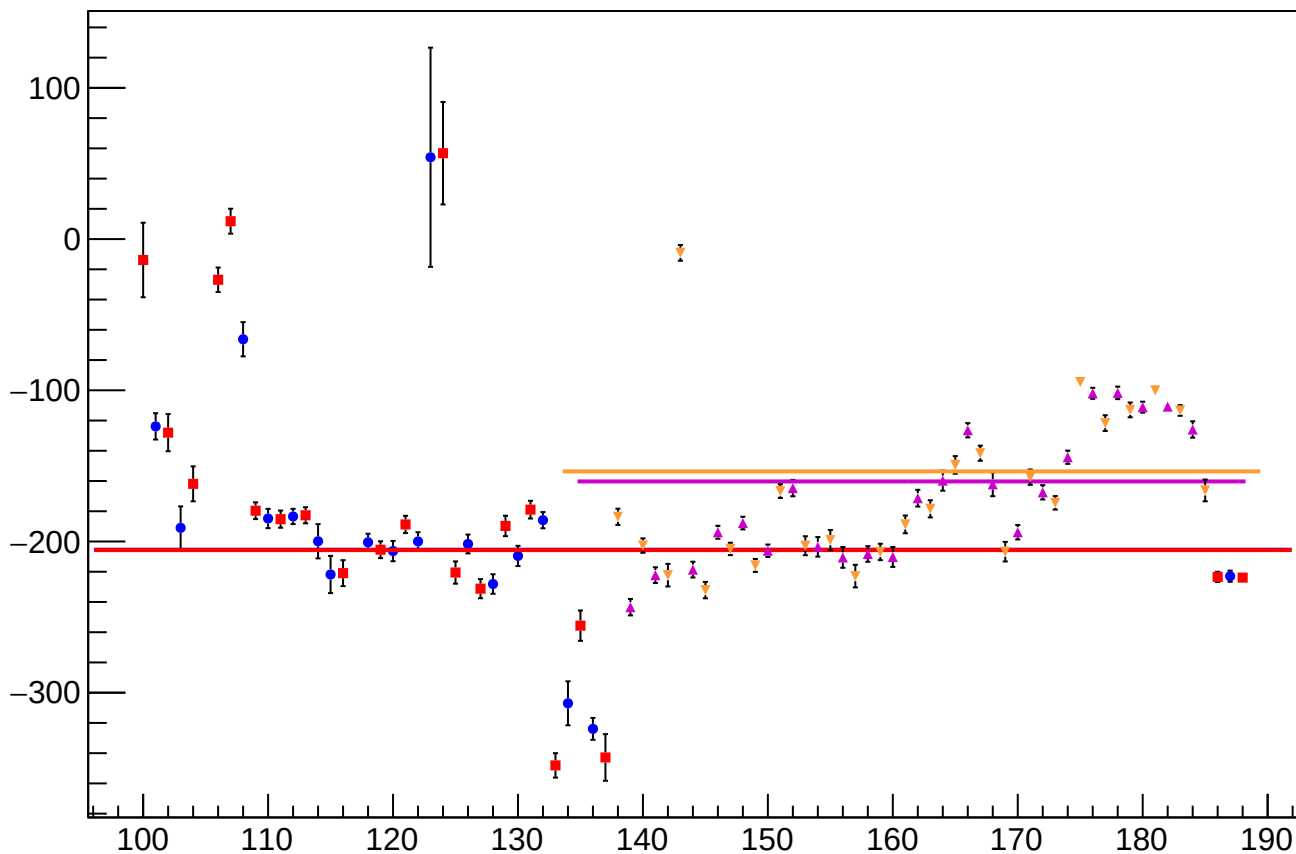
Right: 9.827 $\pm$ 0.629 χ^2 /NDF: 819.5/38

In: 7.377 $\pm$ 0.589 χ^2 /NDF:578.1/40

Out: 4.501 $\pm$ 0.565 χ^2 /NDF:766.5/45

All: 5.879 $\pm$ 0.408 χ^2 /NDF: 1357.0/86

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -205.442 ± 1.603 χ^2/NDF : 651.1/17

Left Out: -153.649 ± 0.970 χ^2/NDF : 2930.9/24

Right Out: -205.699 ± 1.172 χ^2/NDF : 2012.1/20

Left In: -160.279 ± 0.985 χ^2/NDF : 2049.4/22

Left: -156.913 ± 0.691 χ^2/NDF : 5003.3/47

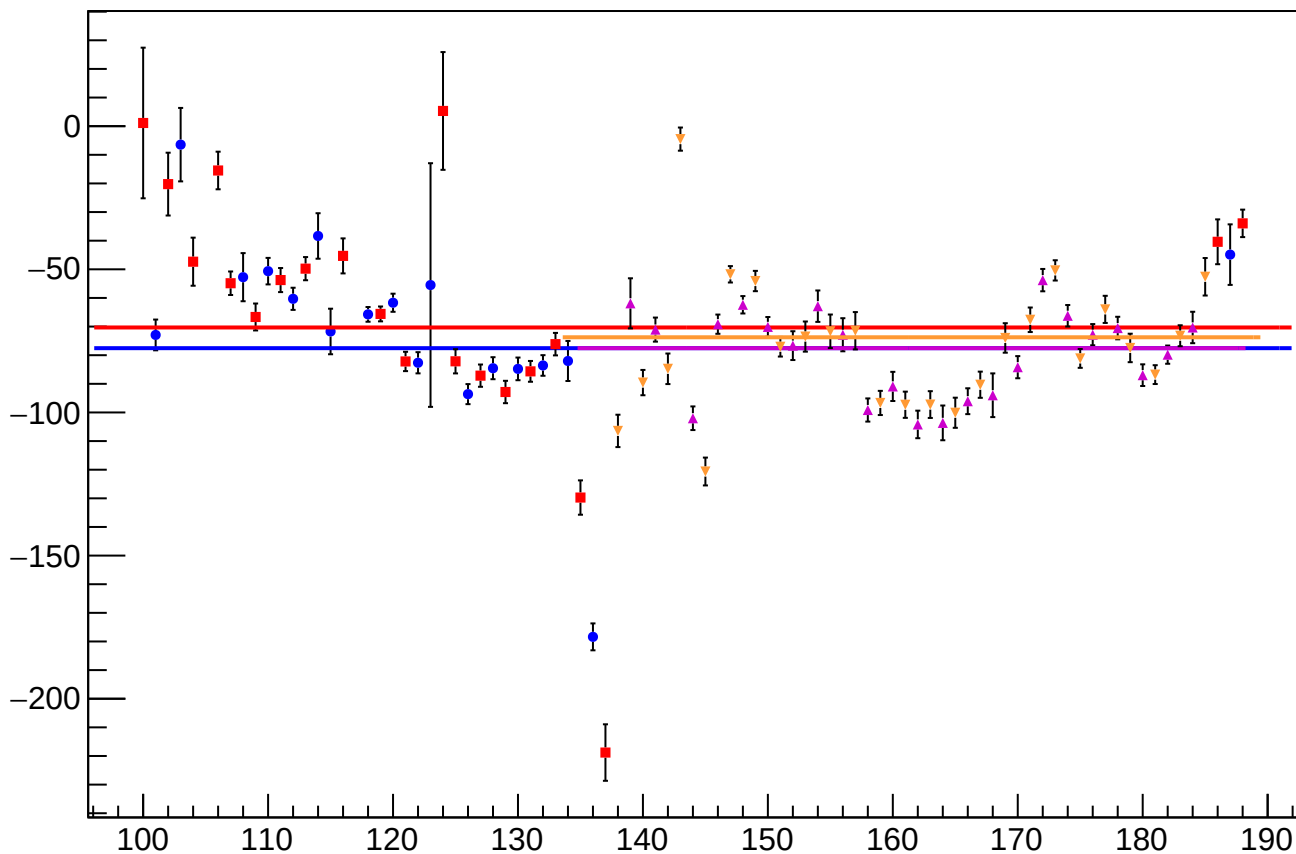
Right: -205.609 ± 0.946 χ^2/NDF : 2663.2/38

In: -172.652 ± 0.839 χ^2/NDF : 3276.6/40

Out: -174.801 ± 0.747 χ^2/NDF : 6113.4/45

All: -173.851 ± 0.558 χ^2/NDF : 9393.7/86

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.545 ± 1.060 $\chi^2/\text{NDF}: 667.8/17$

Left Out: -73.741 ± 0.855 $\chi^2/\text{NDF}: 728.3/24$

Right Out: -70.316 ± 1.021 $\chi^2/\text{NDF}: 683.7/20$

Left In: -77.545 ± 0.880 $\chi^2/\text{NDF}: 252.7/22$

Left: -75.587 ± 0.613 $\chi^2/\text{NDF}: 990.6/47$

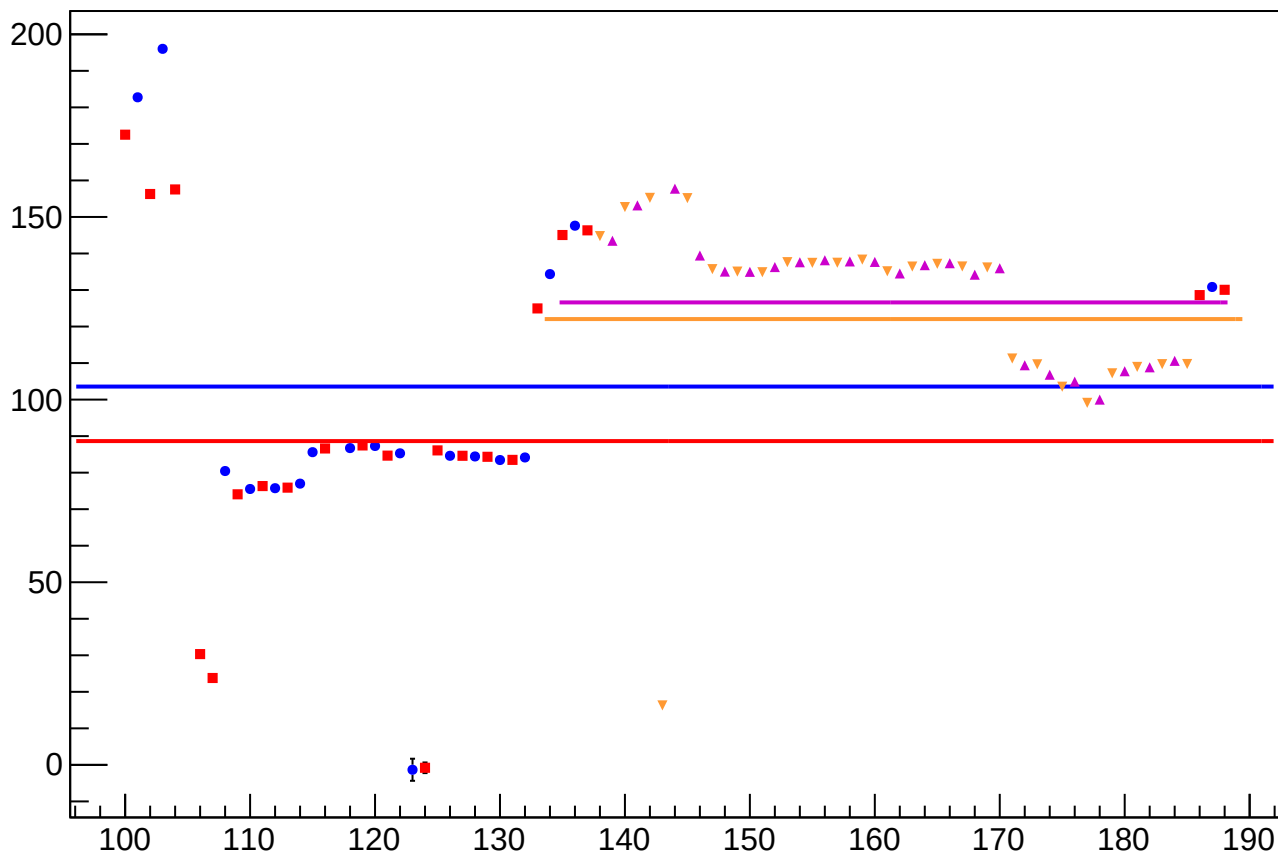
Right: -73.793 ± 0.735 $\chi^2/\text{NDF}: 1375.6/38$

In: -77.545 ± 0.677 $\chi^2/\text{NDF}: 920.6/40$

Out: -72.329 ± 0.655 $\chi^2/\text{NDF}: 1418.6/45$

All: -74.851 ± 0.471 $\chi^2/\text{NDF}: 2369.8/86$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.569 $\pm$ 0.070 χ^2 /NDF: 275715.4/17

Left Out: 122.046 $\pm$ 0.040 χ^2 /NDF: 437985.3/24

Right Out: 88.643 $\pm$ 0.061 χ^2 /NDF: 462300.2/20

Left In: 126.605 $\pm$ 0.041 χ^2 /NDF: 164757.9/22

Left: 124.300 $\pm$ 0.029 χ^2 /NDF: 609027.6/47

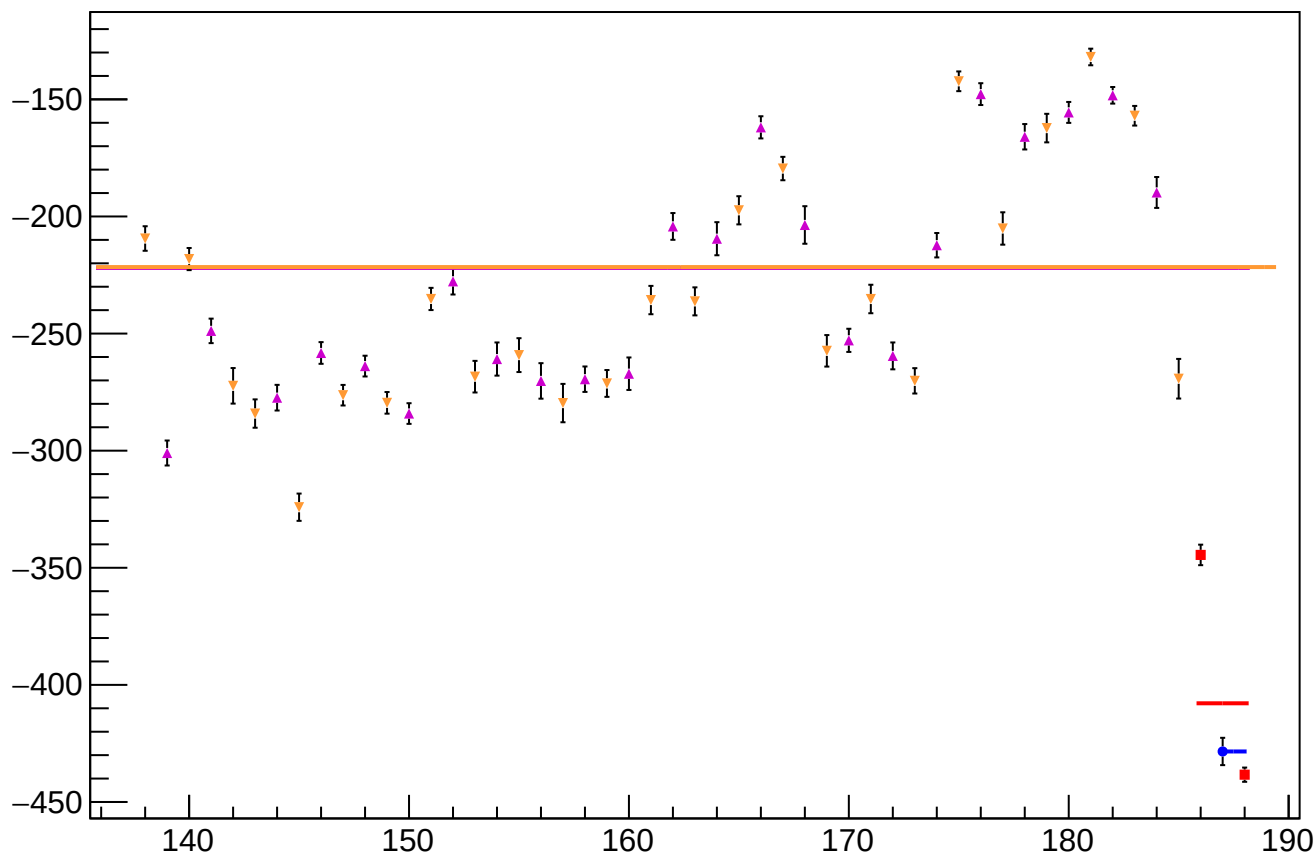
Right: 95.121 $\pm$ 0.046 χ^2 /NDF: 763862.5/38

In: 120.725 $\pm$ 0.035 χ^2 /NDF: 521479.3/40

Out: 111.889 $\pm$ 0.034 χ^2 /NDF: 1107846.6/45

All: 116.107 $\pm$ 0.024 χ^2 /NDF: 1662093.5/86

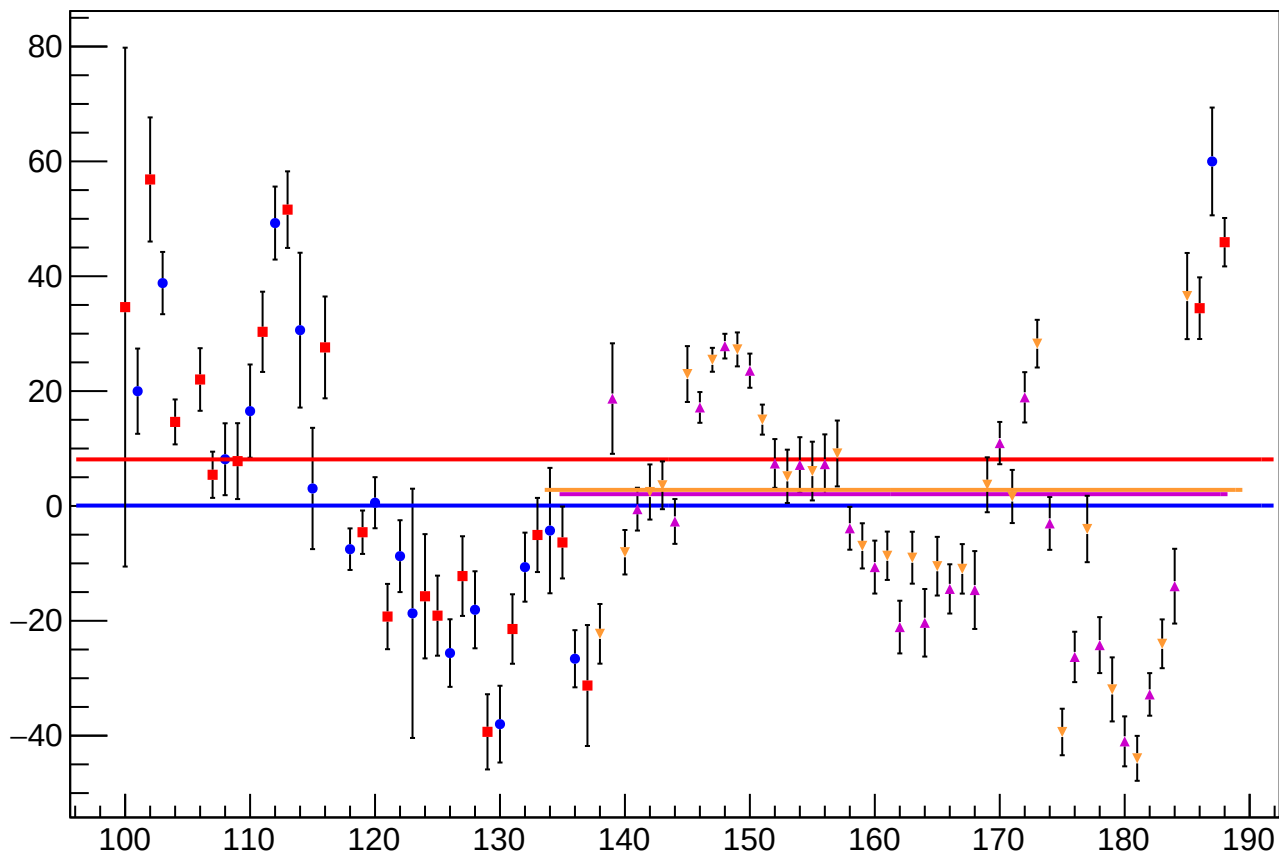
reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -428.433 ± 5.832 χ^2/NDF : 0.0/0
 Left Out: -221.606 ± 1.087 χ^2/NDF : 2565.8/24
 Right Out: -407.864 ± 2.496 χ^2/NDF : 310.0/1
 Left In: -221.980 ± 1.098 χ^2/NDF : 2190.6/22

Left: -221.791 ± 0.773 χ^2/NDF : 4756.5/47
 Right: -411.048 ± 2.295 χ^2/NDF : 320.5/2
 In: -229.049 ± 1.079 χ^2/NDF : 3400.9/23
 Out: -251.316 ± 0.997 χ^2/NDF : 7556.8/26
 All: -241.064 ± 0.732 χ^2/NDF : 11187.4/50

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.067 ± 1.494 χ^2/NDF : 267.9/17

Left Out: 2.800 ± 0.810 χ^2/NDF : 685.5/24

Right Out: 8.107 ± 1.292 χ^2/NDF : 355.3/20

Left In: 2.050 ± 0.833 χ^2/NDF : 592.6/22

Left: 2.436 ± 0.581 χ^2/NDF : 1278.5/47

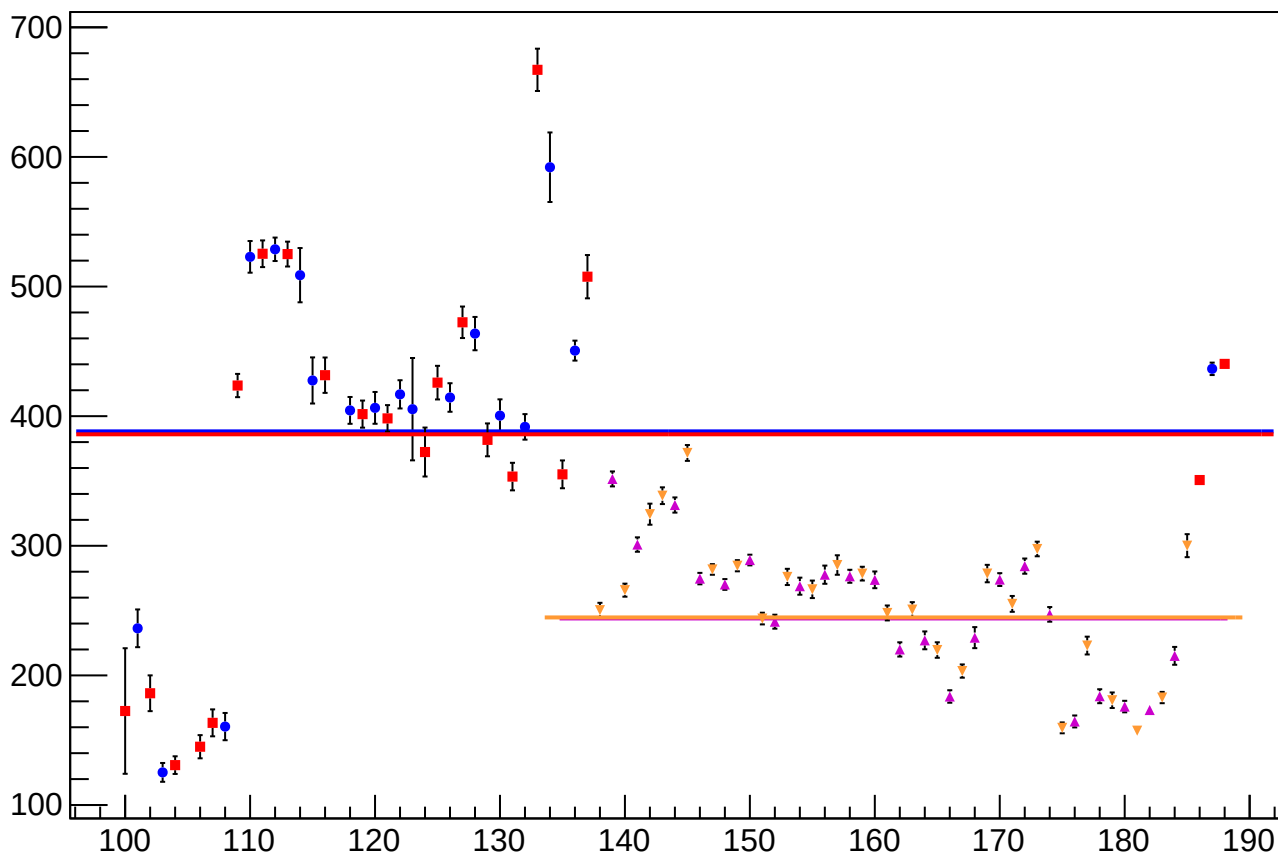
Right: 4.668 ± 0.977 χ^2/NDF : 639.8/38

In: 1.579 ± 0.728 χ^2/NDF : 861.9/40

Out: 4.296 ± 0.686 χ^2/NDF : 1053.0/45

All: 3.018 ± 0.499 χ^2/NDF : 1922.2/86

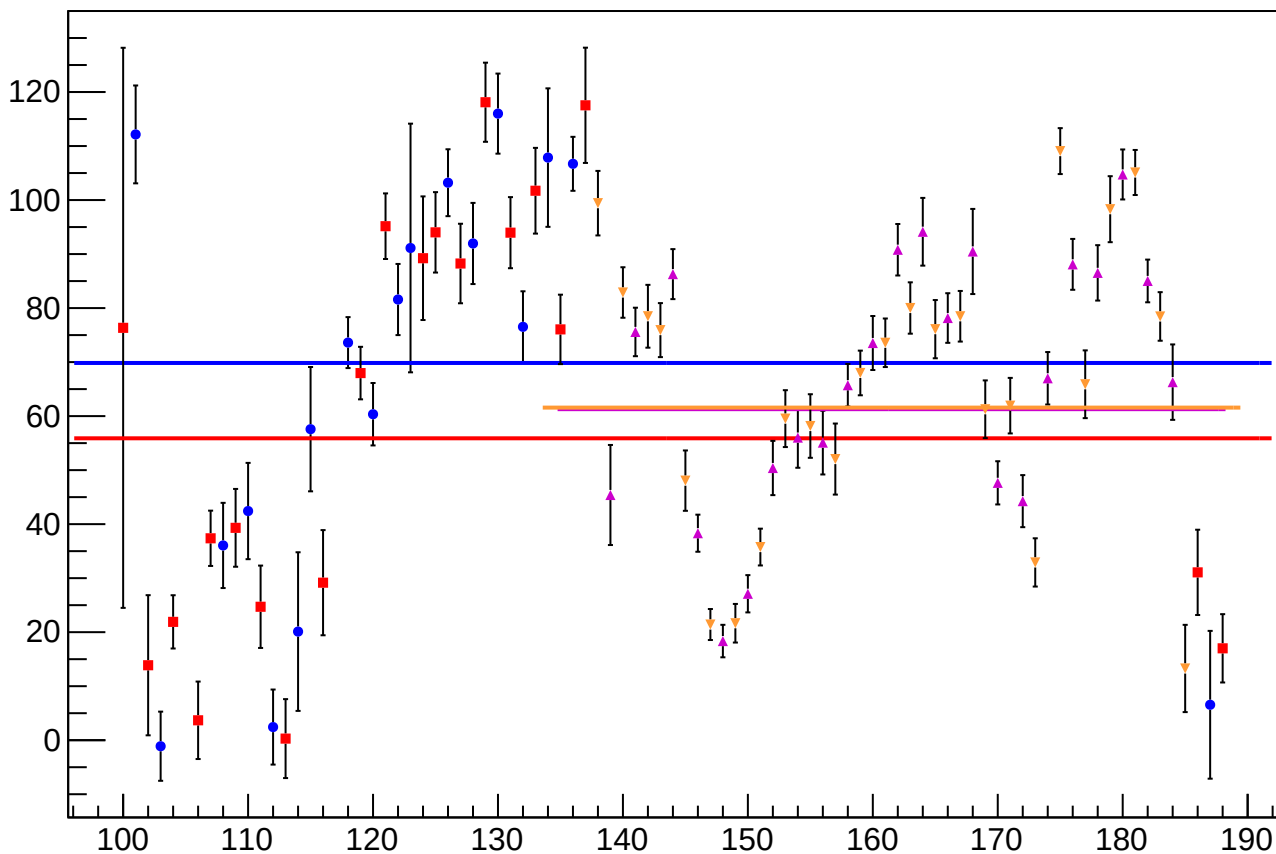
reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 388.273 $\pm$ 2.391 χ^2 /NDF: 2568.2/17
 Left Out: 244.716 $\pm$ 1.085 χ^2 /NDF: 2565.7/24
 Right Out: 386.009 $\pm$ 1.577 χ^2 /NDF: 4268.6/20
 Left In: 243.933 $\pm$ 1.090 χ^2 /NDF: 2294.8/22

Left: 244.327 $\pm$ 0.769 χ^2 /NDF: 4860.7/47
 Right: 386.695 $\pm$ 1.316 χ^2 /NDF: 6837.4/38
 In: 268.769 $\pm$ 0.992 χ^2 /NDF: 7879.9/40
 Out: 290.098 $\pm$ 0.894 χ^2 /NDF: 12286.0/45
 All: 280.543 $\pm$ 0.664 χ^2 /NDF: 20421.2/86

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 69.840 $\pm$ 1.729 χ^2 /NDF: 448.7/17

Left Out: 61.575 $\pm$ 0.939 χ^2 /NDF: 870.3/24

Right Out: 55.891 $\pm$ 1.550 χ^2 /NDF: 543.6/20

Left In: 61.286 $\pm$ 0.959 χ^2 /NDF: 702.8/22

Left: 61.434 $\pm$ 0.671 χ^2 /NDF: 1573.1/47

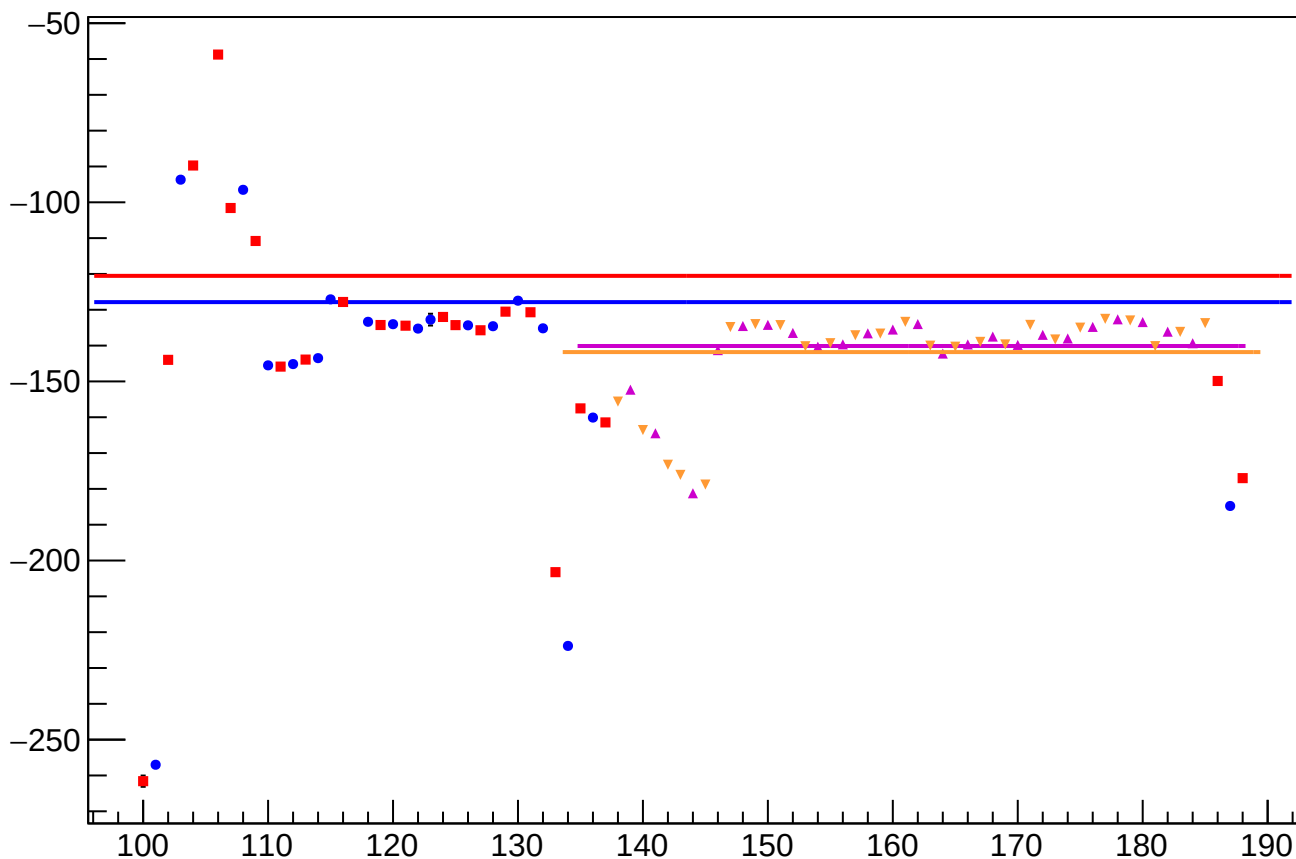
Right: 62.108 $\pm$ 1.154 χ^2 /NDF: 1028.4/38

In: 63.298 $\pm$ 0.838 χ^2 /NDF: 1170.2/40

Out: 60.050 $\pm$ 0.803 χ^2 /NDF: 1423.7/45

All: 61.604 $\pm$ 0.580 χ^2 /NDF: 2601.7/86

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.863+/-0.089 χ^2/NDF : 172531.2/17

Left Out: -141.811+/-0.045 χ^2/NDF : 77727.6/24

Right Out: -120.532+/-0.080 χ^2/NDF : 201838.8/20

Left In: -140.112+/-0.045 χ^2/NDF : 48400.6/22

Left: -140.962+/-0.032 χ^2/NDF : 126846.5/47

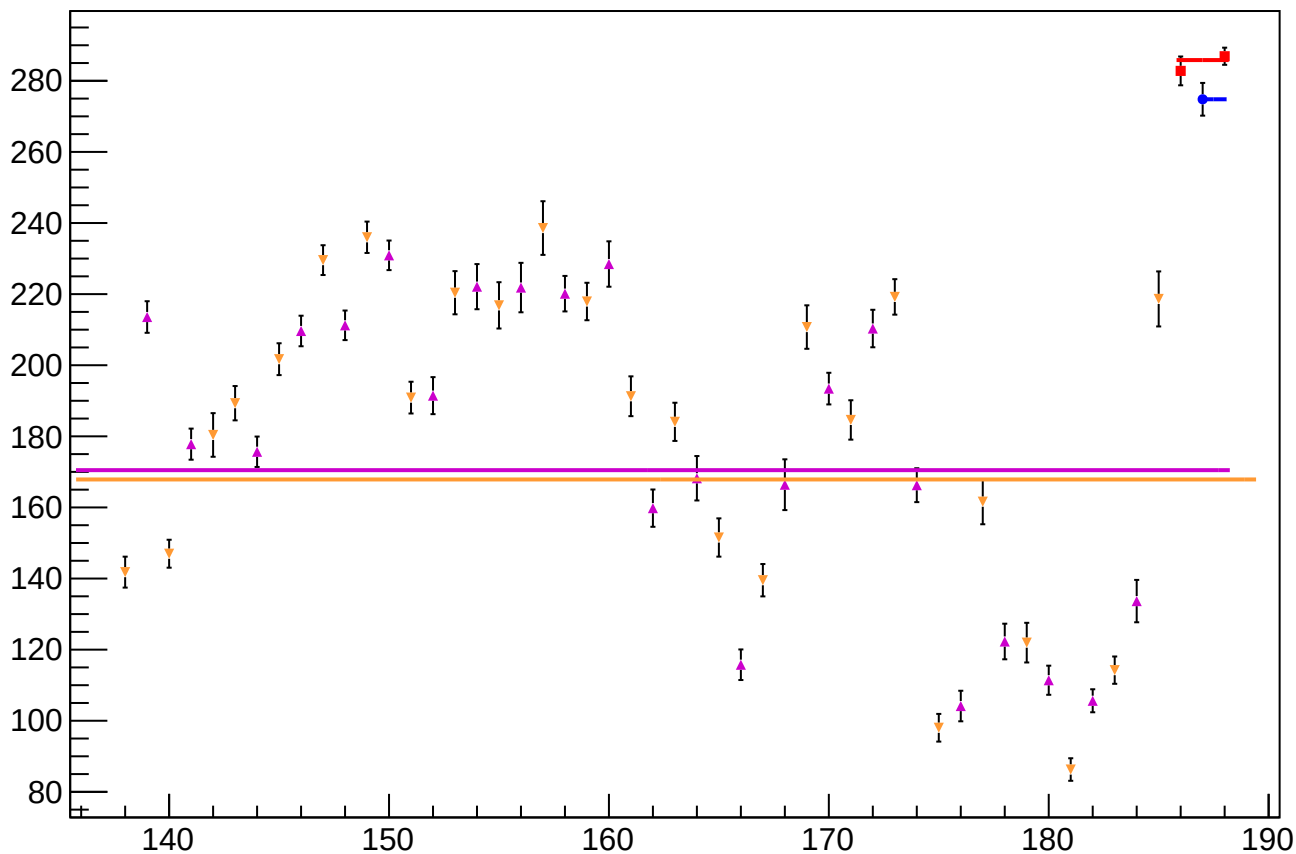
Right: -123.798+/-0.059 χ^2/NDF : 378145.0/38

In: -137.626+/-0.040 χ^2/NDF : 236083.1/40

Out: -136.695+/-0.039 χ^2/NDF : 333784.5/45

All: -137.149+/-0.028 χ^2/NDF : 570144.5/86

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 274.804 $\pm$ 4.602 χ^2 /NDF: 0.0/0

Left Out: 167.868 $\pm$ 0.973 χ^2 /NDF:2465.4/24

Right Out: 285.833 $\pm$ 2.072 χ^2 /NDF: 0.8/1

Left In: 170.487 $\pm$ 0.991 χ^2 /NDF:2036.5/22

Left: 169.154 $\pm$ 0.695 χ^2 /NDF: 4505.5/47

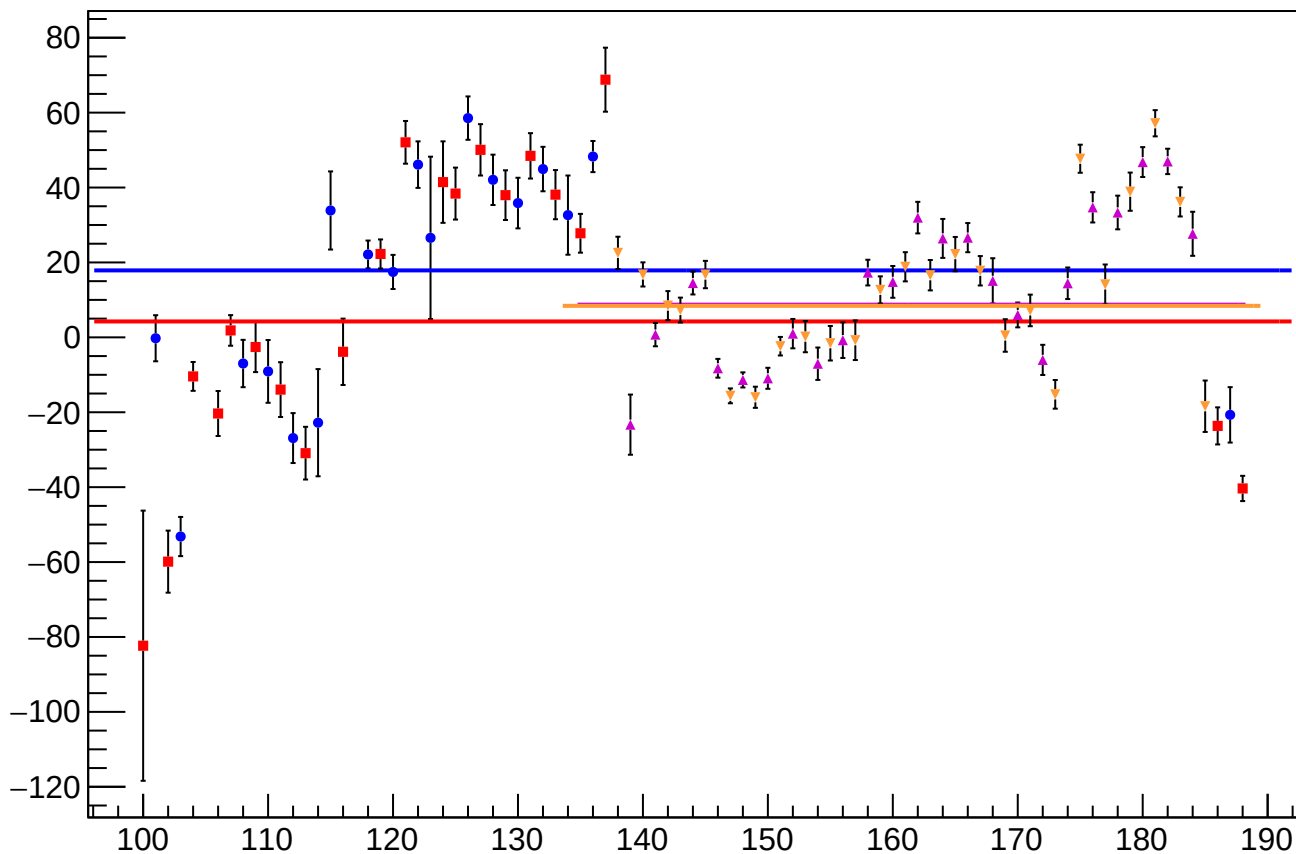
Right: 283.975 $\pm$ 1.889 χ^2 /NDF: 5.5/2

In: 175.112 $\pm$ 0.969 χ^2 /NDF:2527.6/23

Out: 189.205 $\pm$ 0.881 χ^2 /NDF:5122.4/26

All: 182.827 $\pm$ 0.652 χ^2 /NDF: 7765.8/50

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.874 $\pm$ 1.451 χ^2 /NDF: 469.3/17

Left Out: 8.415 $\pm$ 0.731 χ^2 /NDF: 750.6/24

Right Out: 4.245 $\pm$ 1.245 χ^2 /NDF: 692.9/20

Left In: 8.730 $\pm$ 0.757 χ^2 /NDF: 630.1/22

Left: 8.567 $\pm$ 0.526 χ^2 /NDF: 1380.7/47

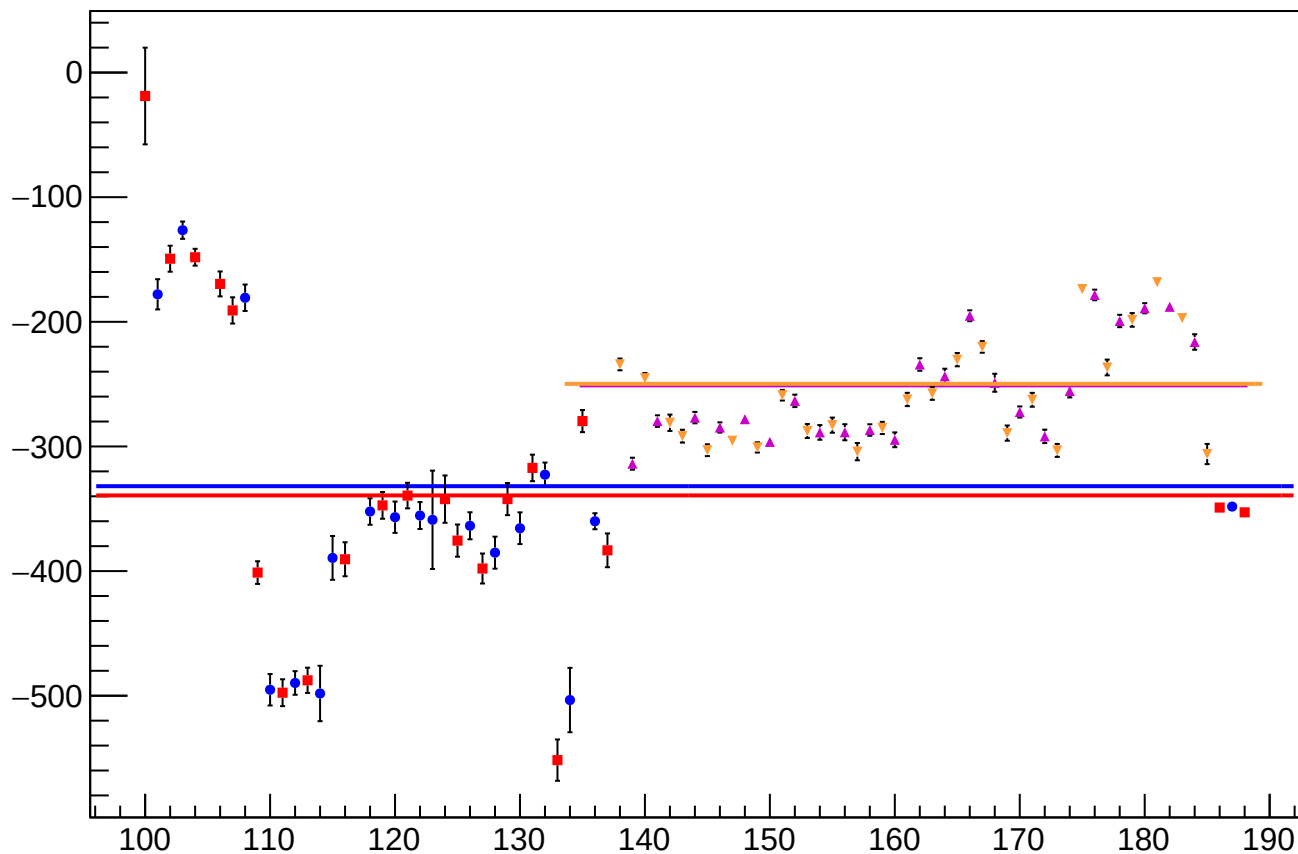
Right: 10.025 $\pm$ 0.945 χ^2 /NDF: 1213.1/38

In: 10.685 $\pm$ 0.671 χ^2 /NDF: 1130.7/40

Out: 7.346 $\pm$ 0.630 χ^2 /NDF: 1451.8/45

All: 8.912 $\pm$ 0.459 χ^2 /NDF: 2595.7/86

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.876 ± 2.180 $\chi^2/\text{NDF}: 1878.8/17$

Left Out: -249.759 ± 0.975 $\chi^2/\text{NDF}: 2232.5/24$

Right Out: -339.283 ± 1.386 $\chi^2/\text{NDF}: 2491.1/20$

Left In: -251.002 ± 0.987 $\chi^2/\text{NDF}: 1958.3/22$

Left: -250.374 ± 0.694 $\chi^2/\text{NDF}: 4191.7/47$

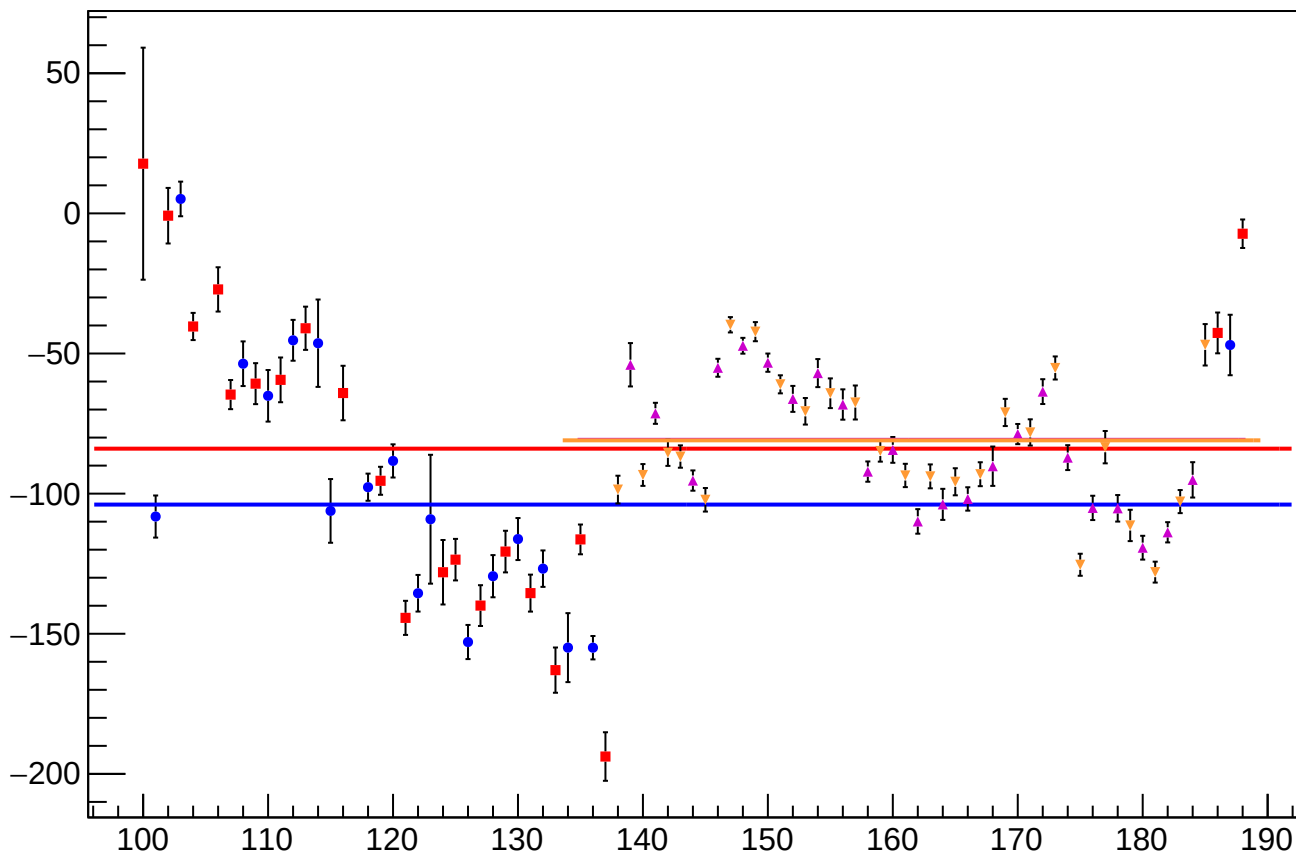
Right: -337.149 ± 1.170 $\chi^2/\text{NDF}: 4378.2/38$

In: -264.758 ± 0.899 $\chi^2/\text{NDF}: 4979.7/40$

Out: -279.388 ± 0.798 $\chi^2/\text{NDF}: 7512.9/45$

All: -272.943 ± 0.597 $\chi^2/\text{NDF}: 12640.9/86$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -103.906 ± 1.673 χ^2/NDF : 766.0/17

Left Out: -80.981 ± 0.846 χ^2/NDF : 911.2/24

Right Out: -83.954 ± 1.503 χ^2/NDF : 1122.6/20

Left In: -80.803 ± 0.870 χ^2/NDF : 695.4/22

Left: -80.895 ± 0.606 χ^2/NDF : 1606.6/47

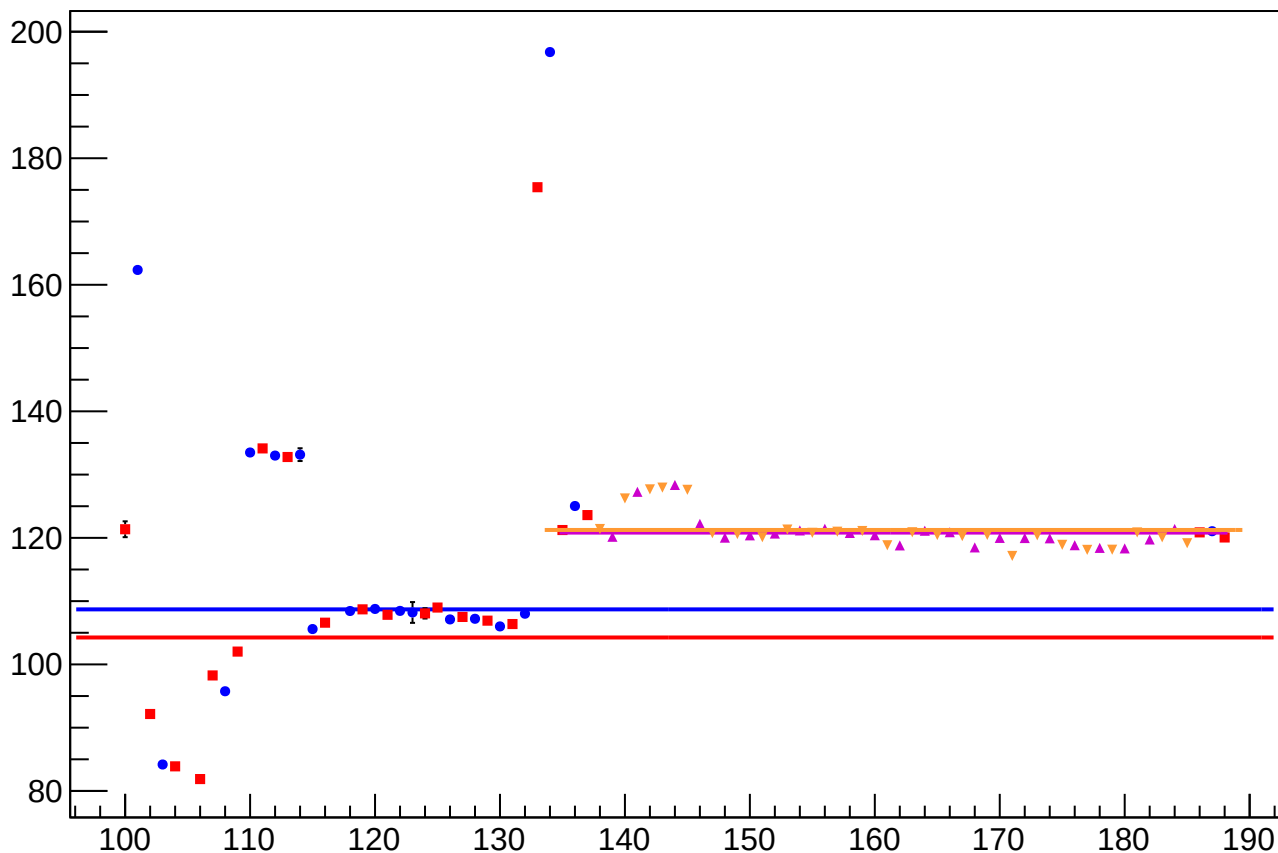
Right: -92.867 ± 1.118 χ^2/NDF : 1967.3/38

In: -85.719 ± 0.772 χ^2/NDF : 1611.6/40

Out: -81.696 ± 0.737 χ^2/NDF : 2036.8/45

All: -83.616 ± 0.533 χ^2/NDF : 3662.5/86

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.697 $\pm$ 0.084 χ^2 /NDF: 73717.0/17

Left Out: 121.248 $\pm$ 0.040 χ^2 /NDF: 4820.1/24

Right Out: 104.254 $\pm$ 0.076 χ^2 /NDF: 57857.5/20

Left In: 120.834 $\pm$ 0.041 χ^2 /NDF: 3372.4/22

Left: 121.043 $\pm$ 0.029 χ^2 /NDF: 8245.1/47

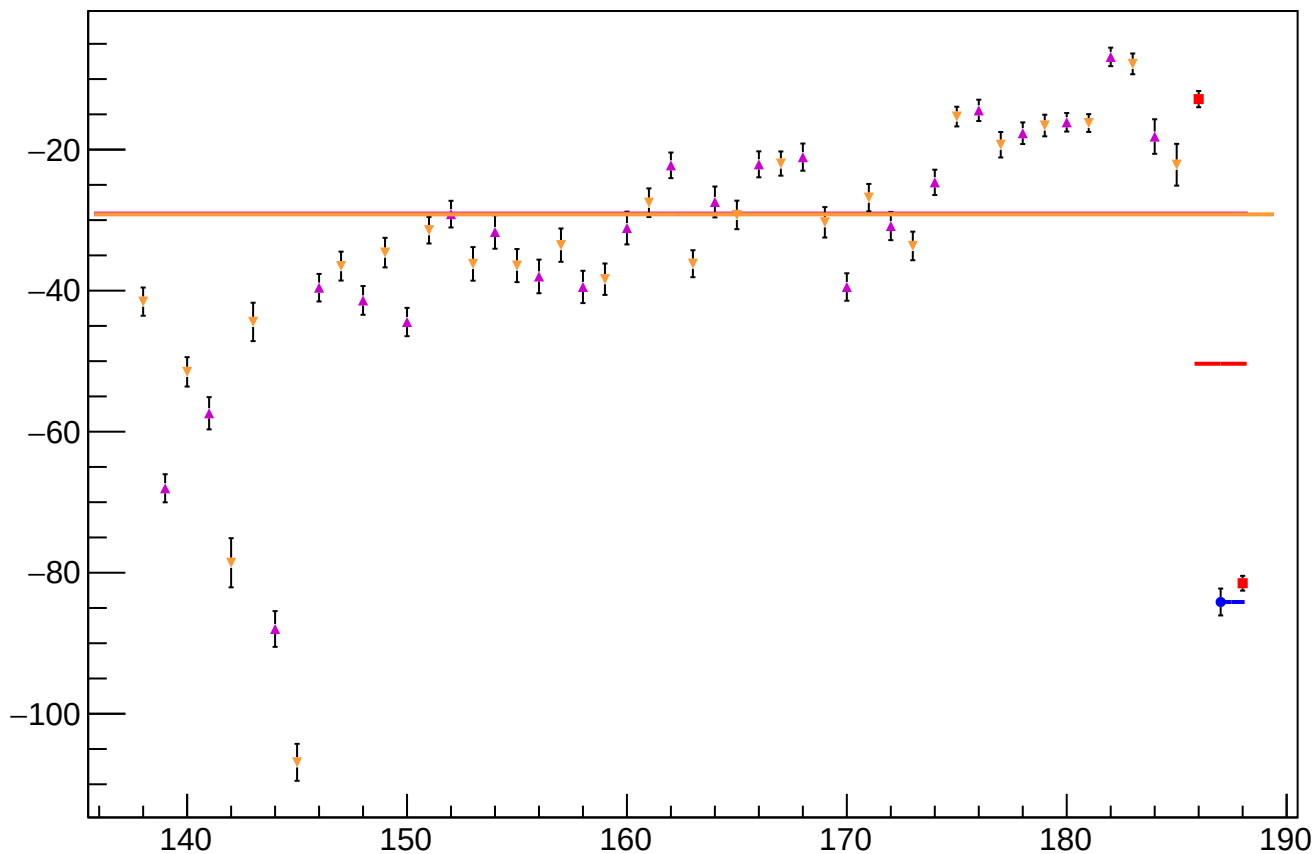
Right: 106.244 $\pm$ 0.056 χ^2 /NDF: 133122.3/38

In: 118.540 $\pm$ 0.036 χ^2 /NDF: 94052.9/40

Out: 117.498 $\pm$ 0.036 χ^2 /NDF: 102079.8/45

All: 118.005 $\pm$ 0.025 χ^2 /NDF: 196552.0/86

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -84.155 ± 1.906 χ^2/NDF : 0.0/0

Left Out: -29.182 ± 0.389 χ^2/NDF : 1880.4/24

Right Out: -50.364 ± 0.776 χ^2/NDF : 1941.0/1

Left In: -29.073 ± 0.394 χ^2/NDF : 1872.4/22

Left: -29.128 ± 0.277 χ^2/NDF : 3752.8/47

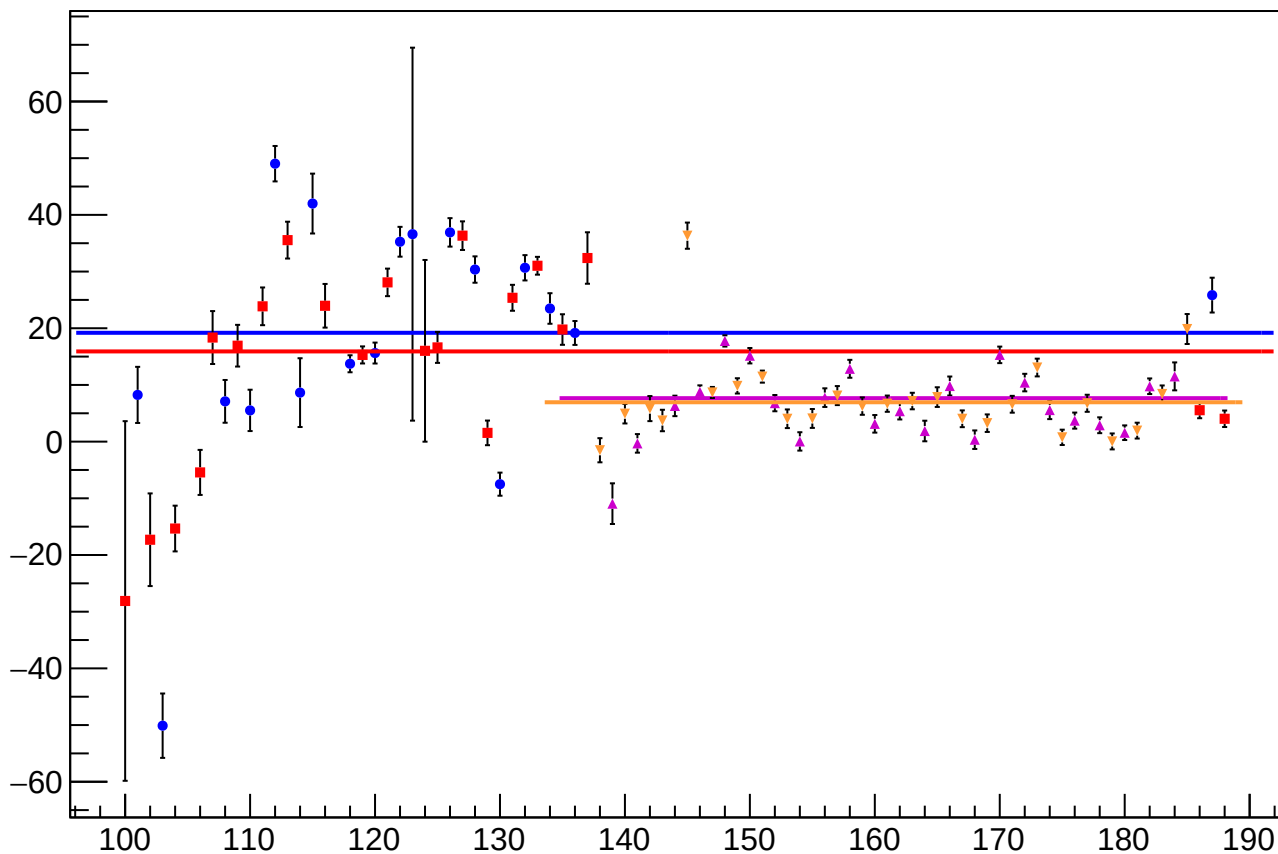
Right: -55.166 ± 0.718 χ^2/NDF : 2210.7/2

In: -31.329 ± 0.386 χ^2/NDF : 2673.5/23

Out: -33.442 ± 0.348 χ^2/NDF : 4417.0/26

All: -32.494 ± 0.258 χ^2/NDF : 7107.1/50

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.198 $\pm$ 0.630 χ^2 /NDF: 623.8/17

Left Out: 6.943 $\pm$ 0.304 χ^2 /NDF:322.6/24

Right Out: 15.912 $\pm$ 0.543 χ^2 /NDF: 534.2/20

Left In: 7.666 $\pm$ 0.313 χ^2 /NDF:341.1/22

Left: 7.294 $\pm$ 0.218 χ^2 /NDF: 666.5/47

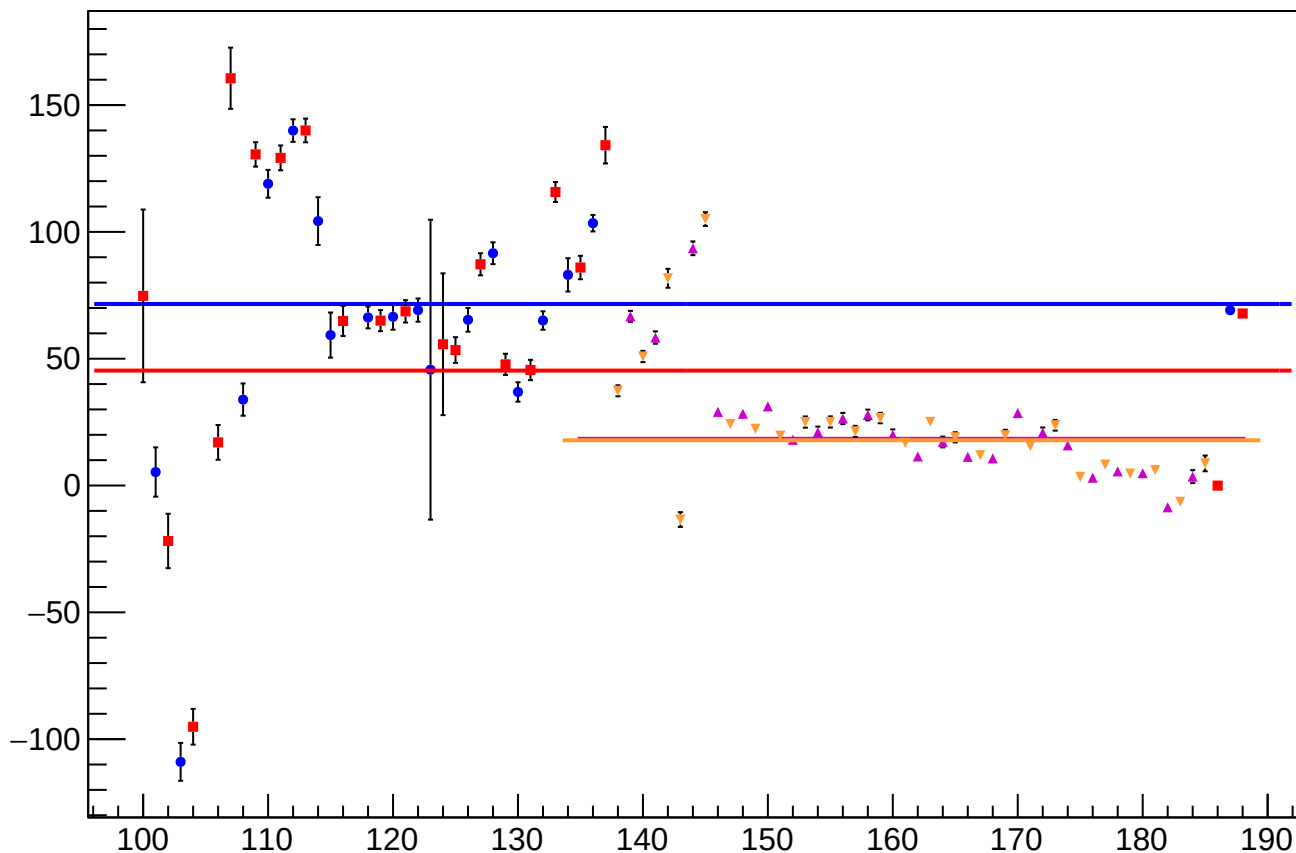
Right: 17.314 $\pm$ 0.411 χ^2 /NDF: 1173.6/38

In: 9.947 $\pm$ 0.280 χ^2 /NDF:1233.9/40

Out: 9.077 $\pm$ 0.265 χ^2 /NDF:1064.4/45

All: 9.488 $\pm$ 0.193 χ^2 /NDF: 2303.3/86

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 71.571 $\pm$ 0.966 χ^2 /NDF: 1203.9/17

Left Out: 17.841 $\pm$ 0.388 χ^2 /NDF: 2399.7/24

Right Out: 45.321 $\pm$ 0.555 χ^2 /NDF: 5404.1/20

Left In: 18.416 $\pm$ 0.391 χ^2 /NDF: 2468.4/22

Left: 18.126 $\pm$ 0.275 χ^2 /NDF: 4869.1/47

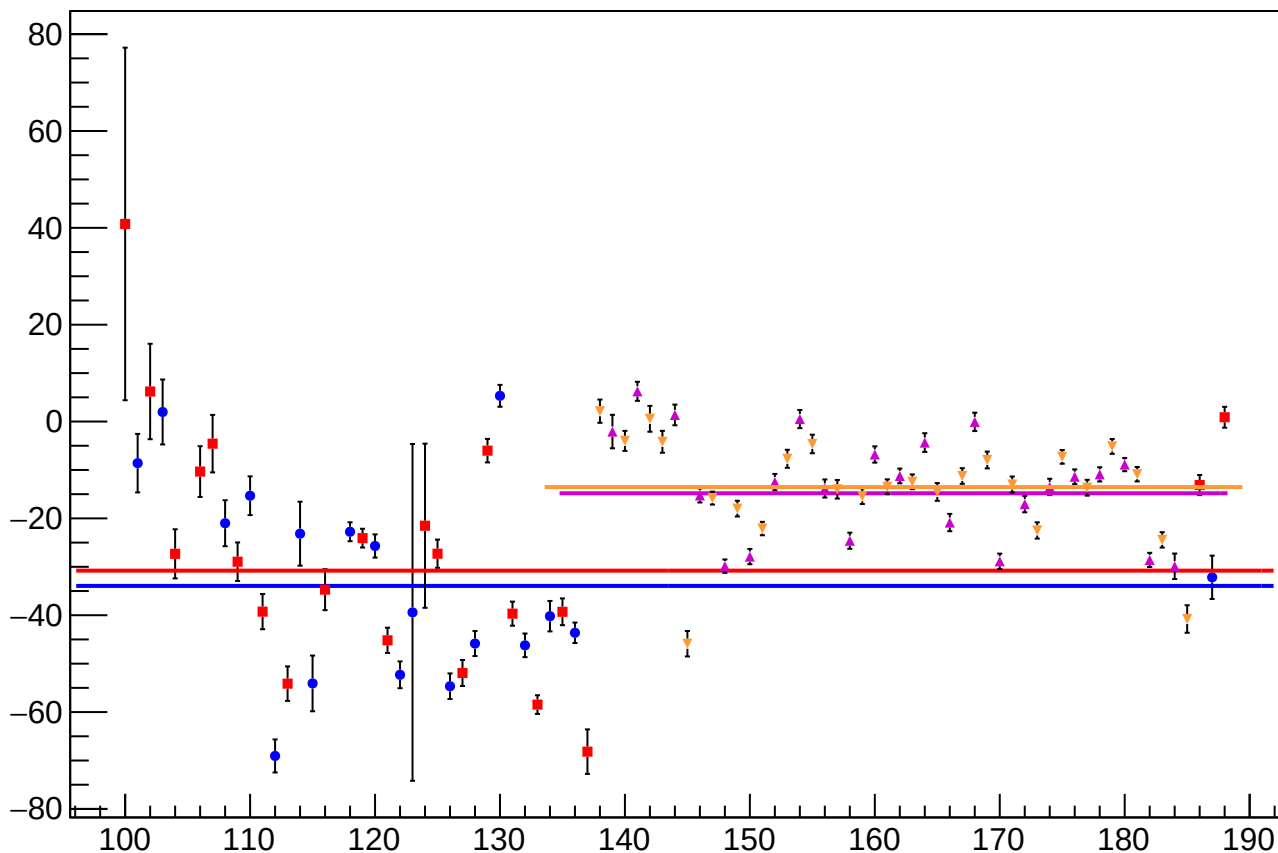
Right: 51.831 $\pm$ 0.481 χ^2 /NDF: 7163.1/38

In: 25.904 $\pm$ 0.363 χ^2 /NDF: 6272.7/40

Out: 26.860 $\pm$ 0.318 χ^2 /NDF: 9451.7/45

All: 26.445 $\pm$ 0.239 χ^2 /NDF: 15728.3/86

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

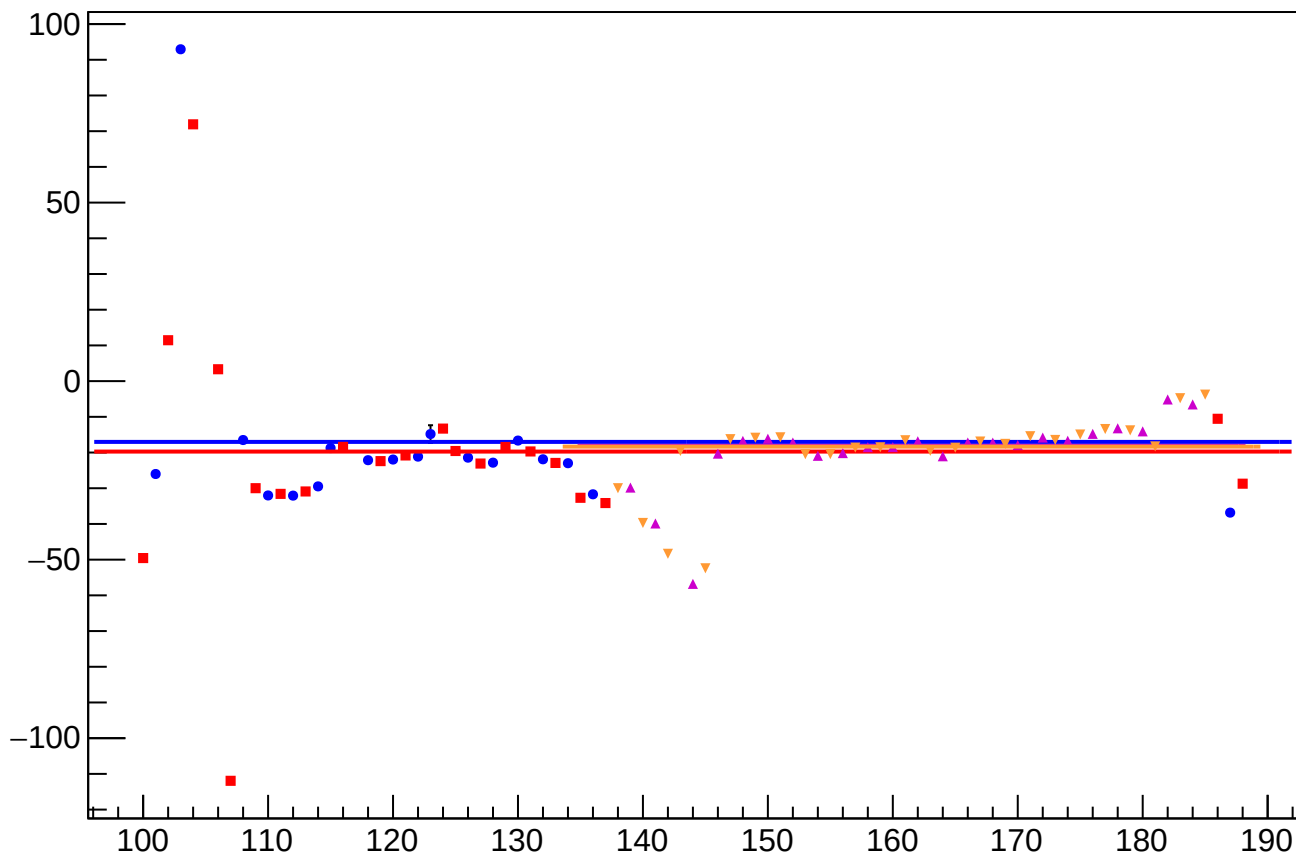


Right In: -33.943 ± 0.727 $\chi^2/\text{NDF}: 720.0/17$
 Left Out: -13.535 ± 0.345 $\chi^2/\text{NDF}: 574.6/24$
 Right Out: -30.793 ± 0.661 $\chi^2/\text{NDF}: 896.0/20$
 Left In: -14.815 ± 0.353 $\chi^2/\text{NDF}: 838.2/22$

Left: -14.159 ± 0.247 $\chi^2/\text{NDF}: 1419.5/47$
 Right: -32.219 ± 0.489 $\chi^2/\text{NDF}: 1626.3/38$
 In: -18.471 ± 0.318 $\chi^2/\text{NDF}: 2118.9/40$
 Out: -17.225 ± 0.306 $\chi^2/\text{NDF}: 2006.6/45$

All: -17.824 ± 0.220 $\chi^2/\text{NDF}: 4133.5/86$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -17.021 ± 0.044 $\chi^2/\text{NDF}: 480706.9/17$

Left Out: -18.337 ± 0.016 $\chi^2/\text{NDF}: 283793.3/24$

Right Out: -19.732 ± 0.040 $\chi^2/\text{NDF}: 445495.0/20$

Left In: -18.135 ± 0.016 $\chi^2/\text{NDF}: 245650.3/22$

Left: -18.237 ± 0.011 $\chi^2/\text{NDF}: 529524.6/47$

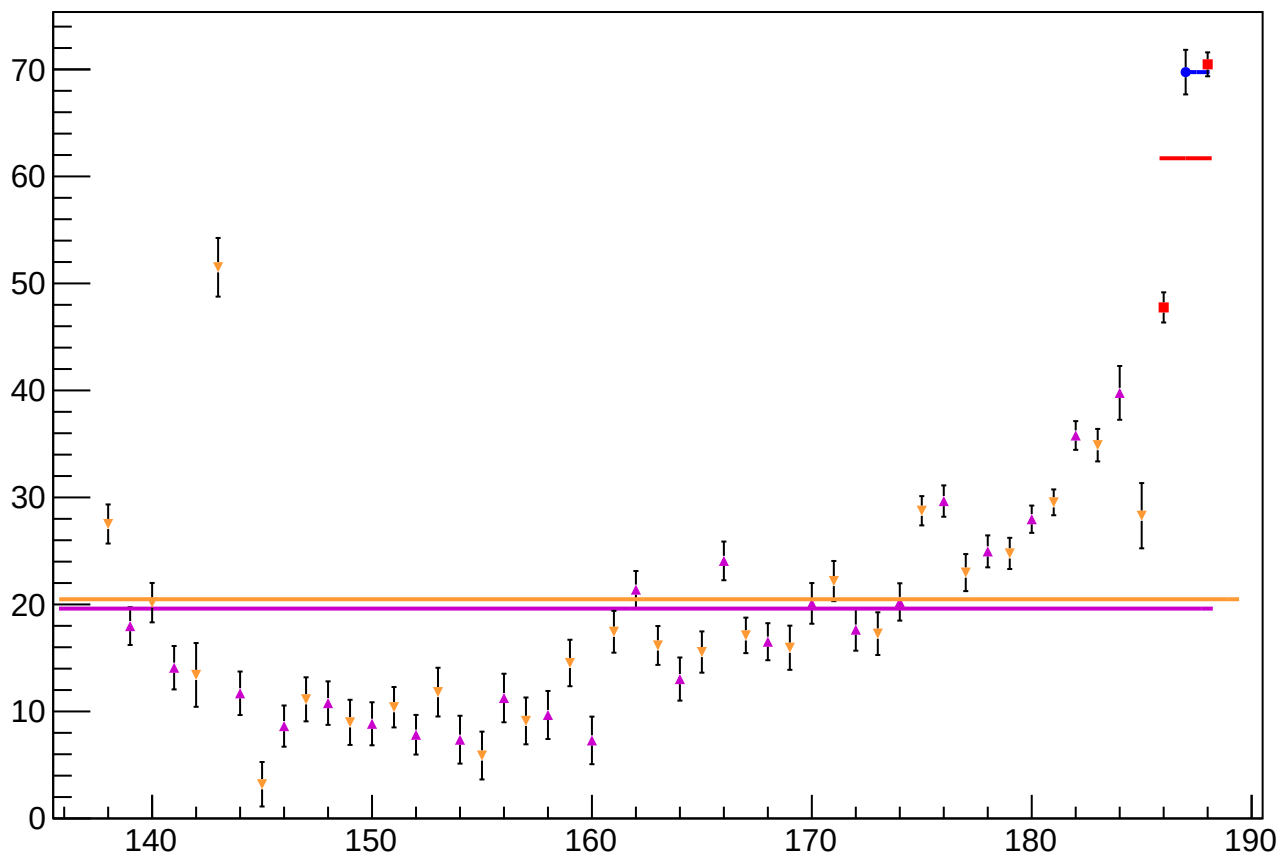
Right: -18.495 ± 0.030 $\chi^2/\text{NDF}: 928290.3/38$

In: -18.003 ± 0.015 $\chi^2/\text{NDF}: 726928.7/40$

Out: -18.527 ± 0.015 $\chi^2/\text{NDF}: 730335.1/45$

All: -18.270 ± 0.011 $\chi^2/\text{NDF}: 1457881.6/86$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 69.747 $\pm$ 2.082 χ^2 /NDF: 0.0/0

Left Out: 20.485 $\pm$ 0.374 χ^2 /NDF: 615.7/24

Right Out: 61.697 $\pm$ 0.876 χ^2 /NDF: 159.5/1

Left In: 19.612 $\pm$ 0.379 χ^2 /NDF: 572.7/22

Left: 20.054 $\pm$ 0.266 χ^2 /NDF: 1191.1/47

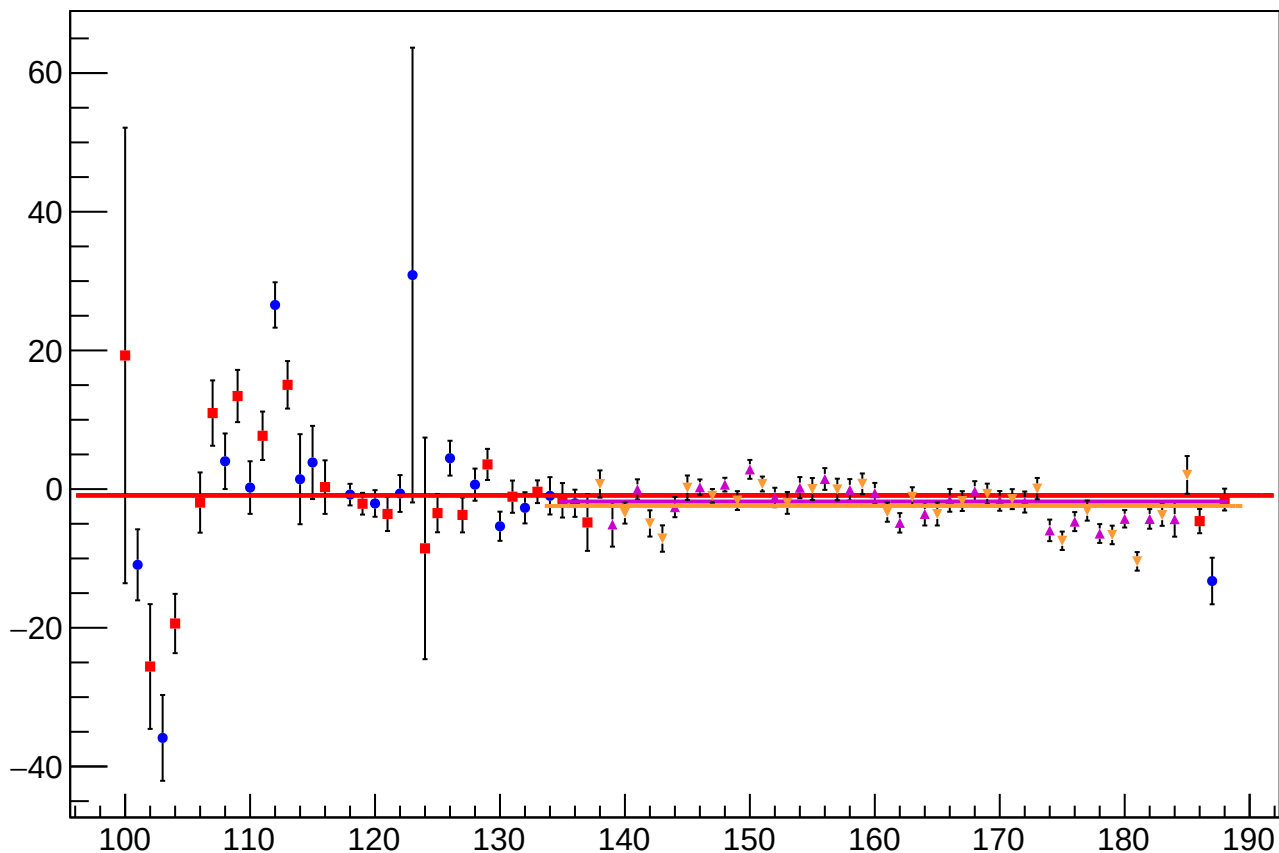
Right: 62.908 $\pm$ 0.807 χ^2 /NDF: 172.2/2

In: 21.216 $\pm$ 0.373 χ^2 /NDF: 1133.7/23

Out: 26.829 $\pm$ 0.344 χ^2 /NDF: 2647.8/26

All: 24.248 $\pm$ 0.253 χ^2 /NDF: 3904.2/50

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.882 ± 0.641 χ^2/NDF : 134.0/17

Left Out: -2.429 ± 0.293 χ^2/NDF : 103.7/24

Right Out: -0.959 ± 0.573 χ^2/NDF : 89.1/20

Left In: -1.791 ± 0.301 χ^2/NDF : 70.1/22

Left: -2.119 ± 0.210 χ^2/NDF : 176.1/47

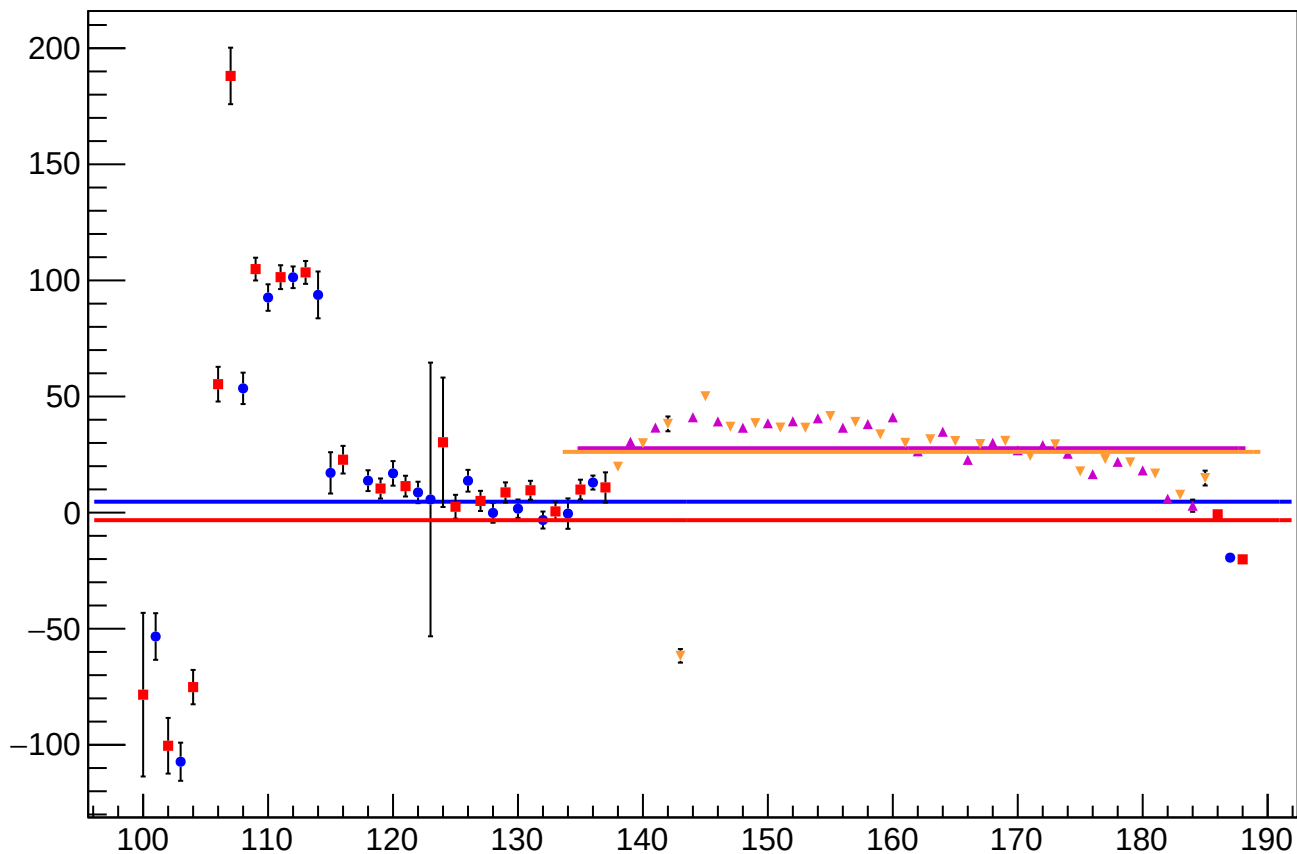
Right: -0.925 ± 0.427 χ^2/NDF : 223.2/38

In: -1.627 ± 0.273 χ^2/NDF : 205.7/40

Out: -2.125 ± 0.261 χ^2/NDF : 198.1/45

All: -1.887 ± 0.188 χ^2/NDF : 405.6/86

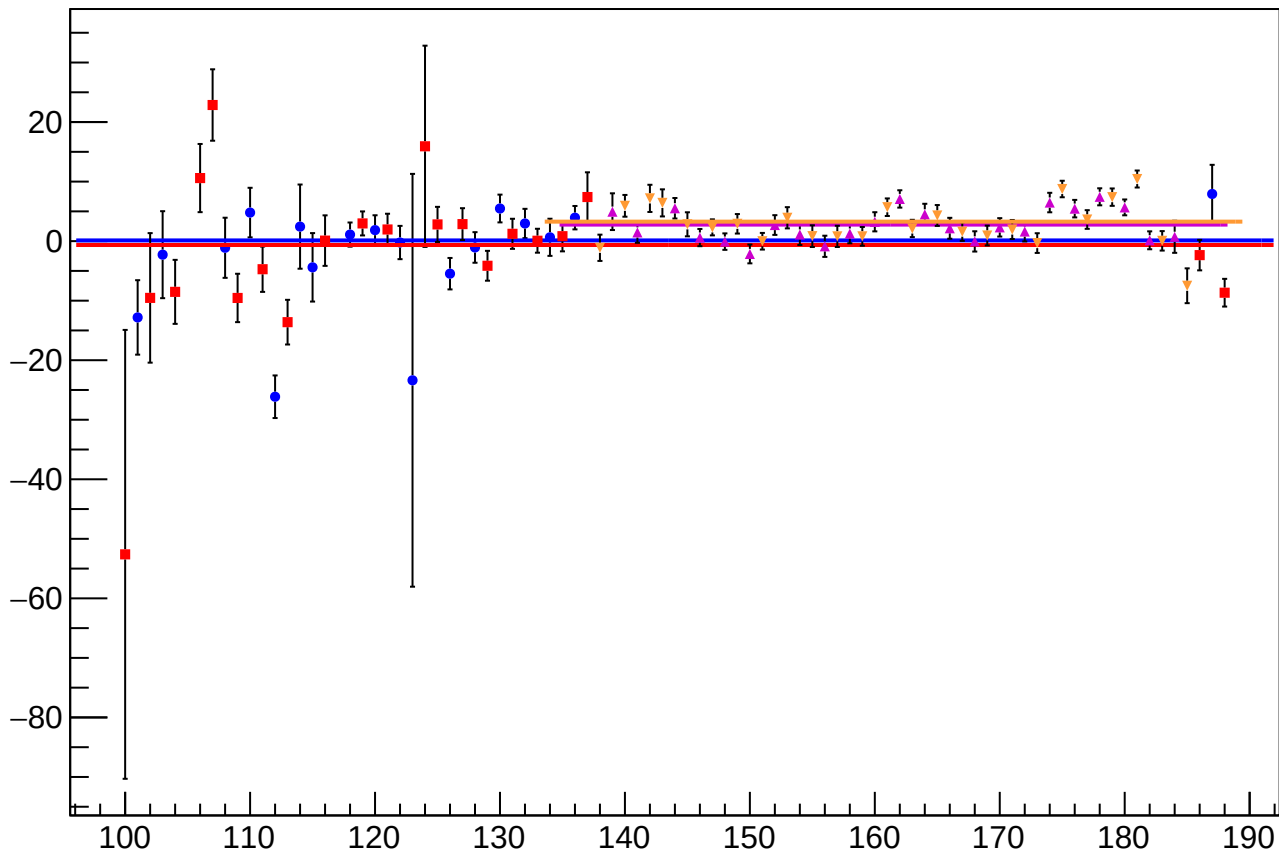
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.703 ± 1.003 $\chi^2/\text{NDF}: 1245.3/17$
 Left Out: 26.164 ± 0.373 $\chi^2/\text{NDF}: 1577.6/24$
 Right Out: -3.258 ± 0.613 $\chi^2/\text{NDF}: 2276.6/20$
 Left In: 27.725 ± 0.377 $\chi^2/\text{NDF}: 805.1/22$

Left: 26.936 ± 0.265 $\chi^2/\text{NDF}: 2391.3/47$
 Right: -1.095 ± 0.523 $\chi^2/\text{NDF}: 3567.7/38$
 In: 24.881 ± 0.353 $\chi^2/\text{NDF}: 2511.7/40$
 Out: 18.216 ± 0.319 $\chi^2/\text{NDF}: 5536.3/45$
 All: 21.211 ± 0.236 $\chi^2/\text{NDF}: 8244.8/86$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.121 ± 0.735 $\chi^2/\text{NDF}: 79.1/17$

Left Out: 3.275 ± 0.332 $\chi^2/\text{NDF}: 101.8/24$

Right Out: -0.650 ± 0.687 $\chi^2/\text{NDF}: 69.1/20$

Left In: 2.777 ± 0.340 $\chi^2/\text{NDF}: 66.5/22$

Left: 3.032 ± 0.238 $\chi^2/\text{NDF}: 169.4/47$

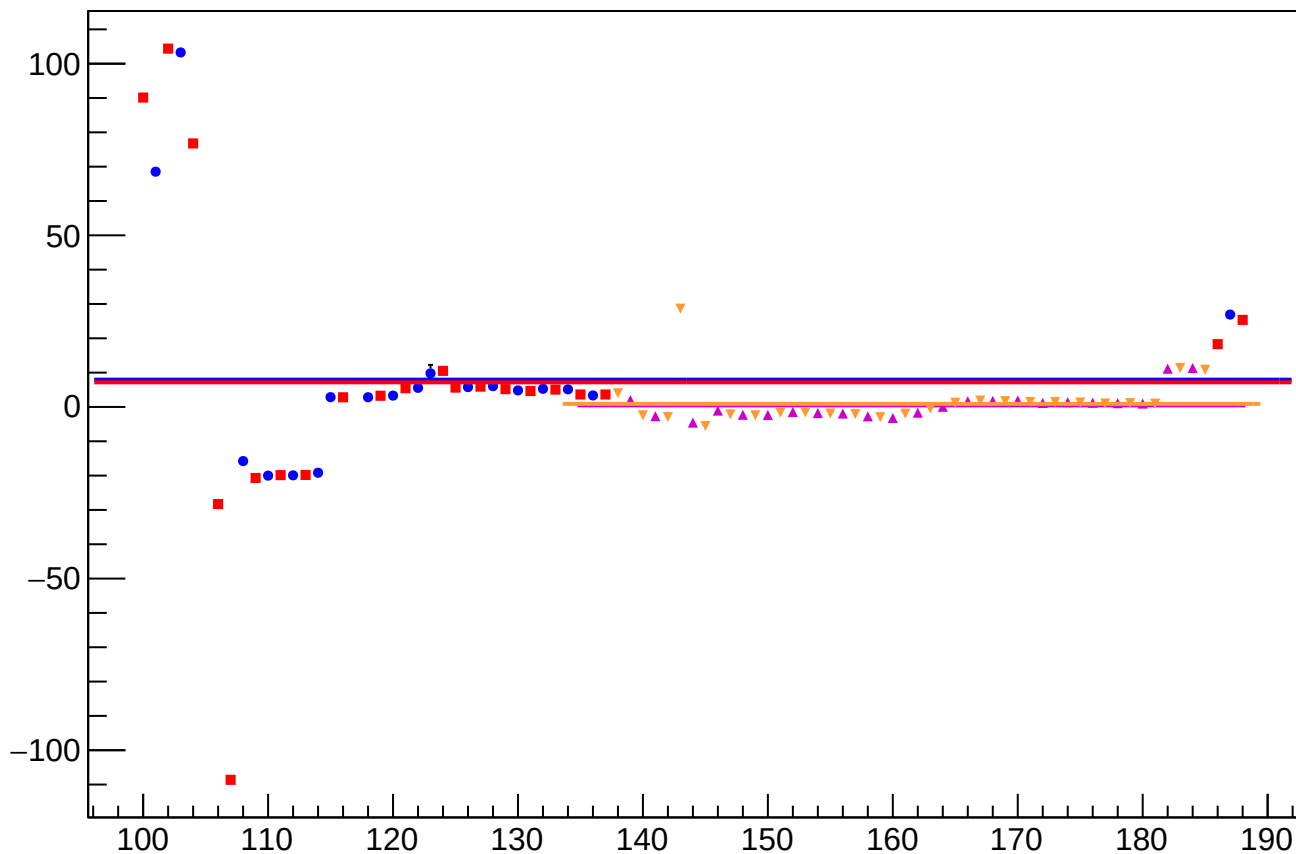
Right: -0.291 ± 0.502 $\chi^2/\text{NDF}: 148.8/38$

In: 2.308 ± 0.309 $\chi^2/\text{NDF}: 156.4/40$

Out: 2.532 ± 0.299 $\chi^2/\text{NDF}: 197.4/45$

All: 2.424 ± 0.215 $\chi^2/\text{NDF}: 354.0/86$

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.948+/-0.044 χ^2/NDF : 360917.9/17

Left Out: 0.898+/-0.015 χ^2/NDF :108195.0/24

Right Out: 7.178+/-0.041 χ^2/NDF : 546917.2/20

Left In: 0.448+/-0.015 χ^2/NDF :50533.6/22

Left: 0.675+/-0.011 χ^2/NDF : 159162.0/47

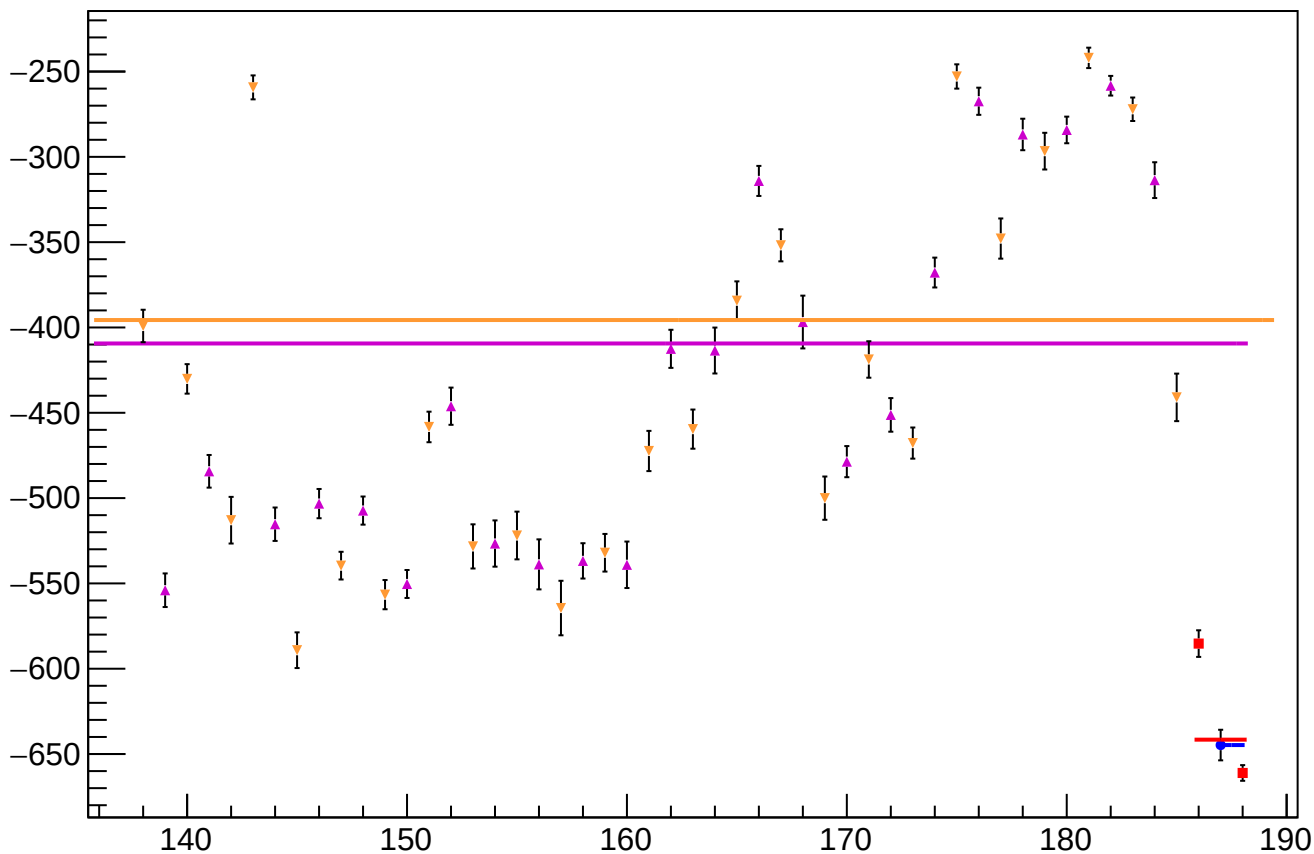
Right: 7.538+/-0.030 χ^2/NDF : 907999.0/38

In: 1.267+/-0.014 χ^2/NDF :437500.0/40

Out: 1.654+/-0.014 χ^2/NDF :675627.0/45

All: 1.464+/-0.010 χ^2/NDF : 1113488.5/86

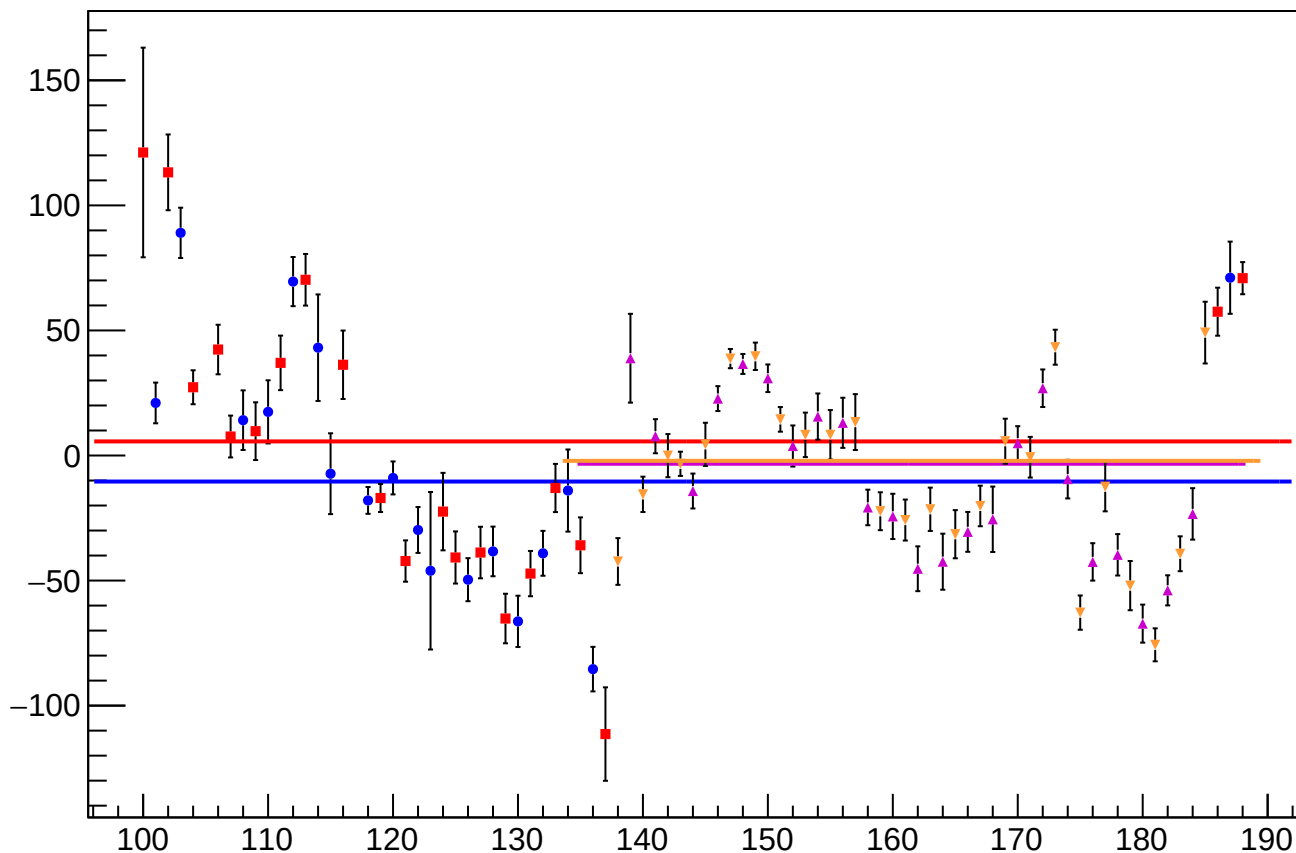
reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -644.742 ± 8.964 χ^2/NDF : 0.0/0
 Left Out: -395.638 ± 1.909 χ^2/NDF : 3704.0/24
 Right Out: -641.577 ± 3.959 χ^2/NDF : 70.1/1
 Left In: -409.377 ± 1.971 χ^2/NDF : 3096.1/22

Left: -402.287 ± 1.371 χ^2/NDF : 6825.2/47
 Right: -642.093 ± 3.621 χ^2/NDF : 70.2/2
 In: -420.234 ± 1.925 χ^2/NDF : 3753.6/23
 Out: -442.038 ± 1.720 χ^2/NDF : 6905.5/26
 All: -432.363 ± 1.282 χ^2/NDF : 10730.5/50

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -10.410 ± 2.282 $\chi^2/\text{NDF}: 373.8/17$

Left Out: -2.133 ± 1.435 $\chi^2/\text{NDF}: 562.8/24$

Right Out: 5.635 ± 2.084 $\chi^2/\text{NDF}: 500.6/20$

Left In: -3.290 ± 1.517 $\chi^2/\text{NDF}: 454.5/22$

Left: -2.680 ± 1.042 $\chi^2/\text{NDF}: 1017.6/47$

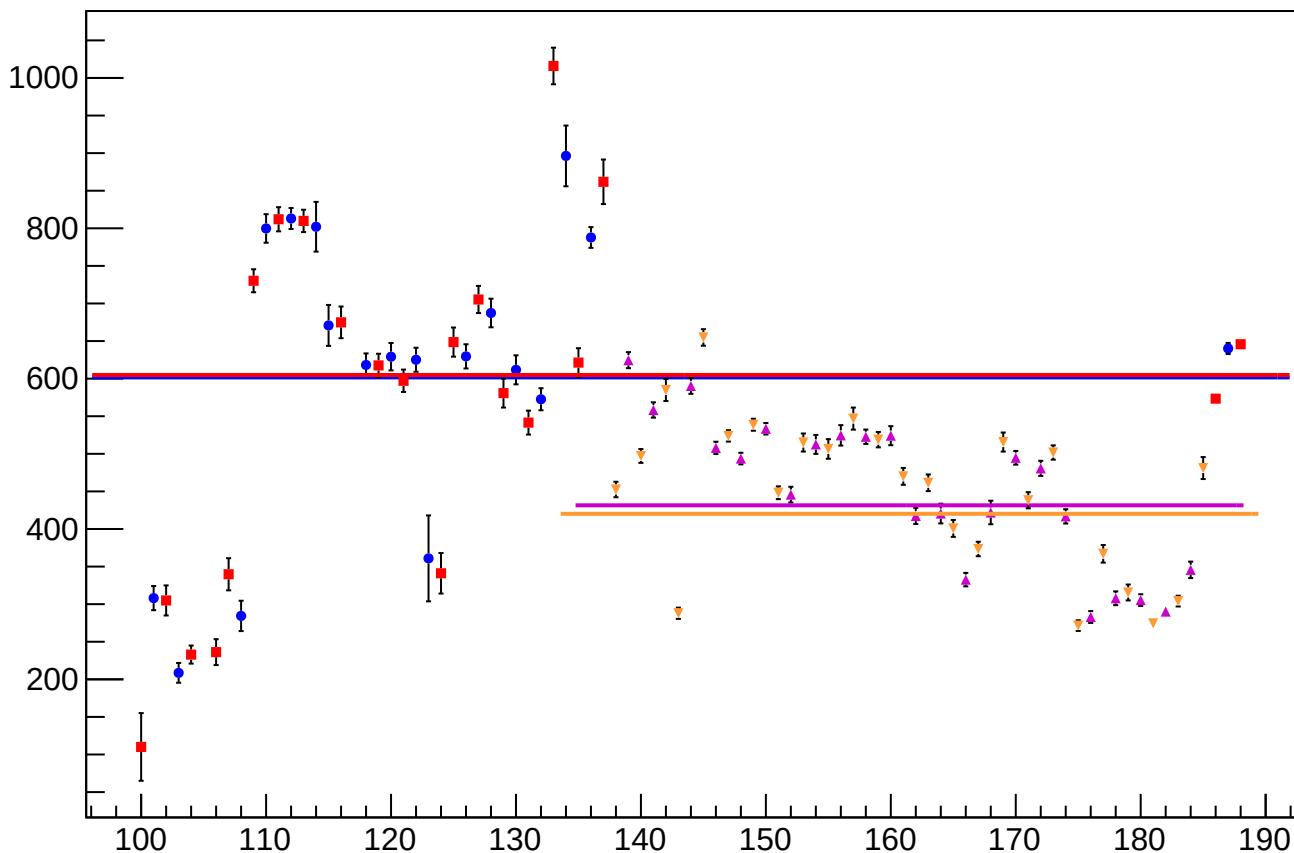
Right: -1.664 ± 1.539 $\chi^2/\text{NDF}: 901.4/38$

In: -5.471 ± 1.263 $\chi^2/\text{NDF}: 835.0/40$

Out: 0.364 ± 1.182 $\chi^2/\text{NDF}: 1072.8/45$

All: -2.360 ± 0.863 $\chi^2/\text{NDF}: 1919.3/86$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 601.670 $\pm$ 3.726 χ^2 /NDF: 2166.9/17

Left Out: 420.181 $\pm$ 1.916 χ^2 /NDF:3241.0/24

Right Out: 604.875 $\pm$ 2.519 χ^2 /NDF: 3015.0/20

Left In: 431.487 $\pm$ 1.964 χ^2 /NDF:2897.1/22

Left: 425.693 $\pm$ 1.371 χ^2 /NDF: 6155.1/47

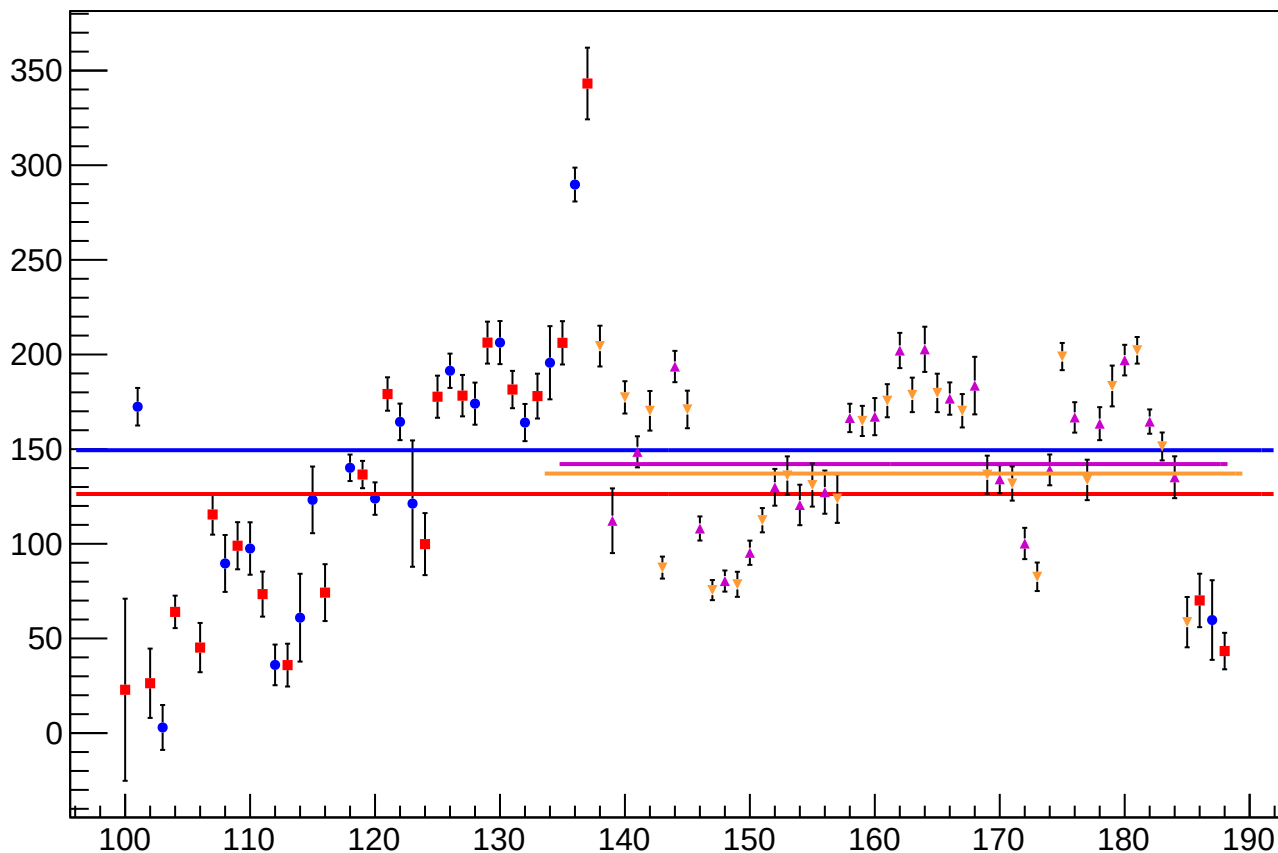
Right: 603.870 $\pm$ 2.087 χ^2 /NDF: 5182.4/38

In: 468.483 $\pm$ 1.737 χ^2 /NDF:6696.3/40

Out: 487.869 $\pm$ 1.525 χ^2 /NDF:9662.7/45

All: 479.435 $\pm$ 1.146 χ^2 /NDF: 16429.4/86

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 149.442 ± 2.653 $\chi^2/\text{NDF}: 653.3/17$

Left Out: 137.107 ± 1.663 $\chi^2/\text{NDF}: 738.9/24$

Right Out: 126.312 ± 2.488 $\chi^2/\text{NDF}: 684.4/20$

Left In: 142.123 ± 1.740 $\chi^2/\text{NDF}: 463.8/22$

Left: 139.501 ± 1.202 $\chi^2/\text{NDF}: 1207.0/47$

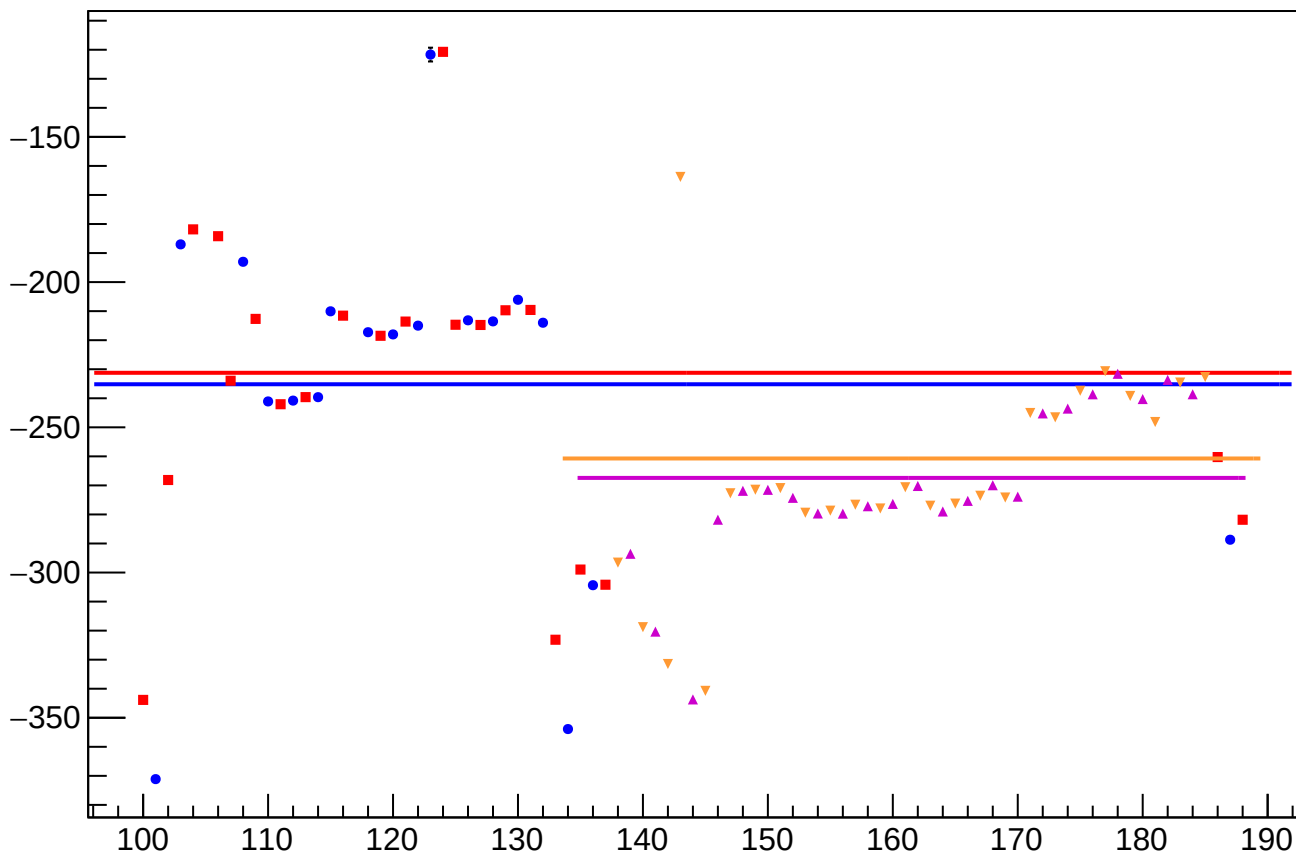
Right: 137.139 ± 1.815 $\chi^2/\text{NDF}: 1378.1/38$

In: 144.325 ± 1.455 $\chi^2/\text{NDF}: 1122.4/40$

Out: 133.775 ± 1.382 $\chi^2/\text{NDF}: 1436.3/45$

All: 138.780 ± 1.002 $\chi^2/\text{NDF}: 2586.3/86$

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -235.172+/-0.147 χ^2/NDF : 147218.9/17

Left Out: -260.729+/-0.080 χ^2/NDF : 220125.6/24

Right Out: -231.225+/-0.135 χ^2/NDF : 111272.3/20

Left In: -267.416+/-0.081 χ^2/NDF : 98892.0/22

Left: -263.998+/-0.057 χ^2/NDF : 322472.0/47

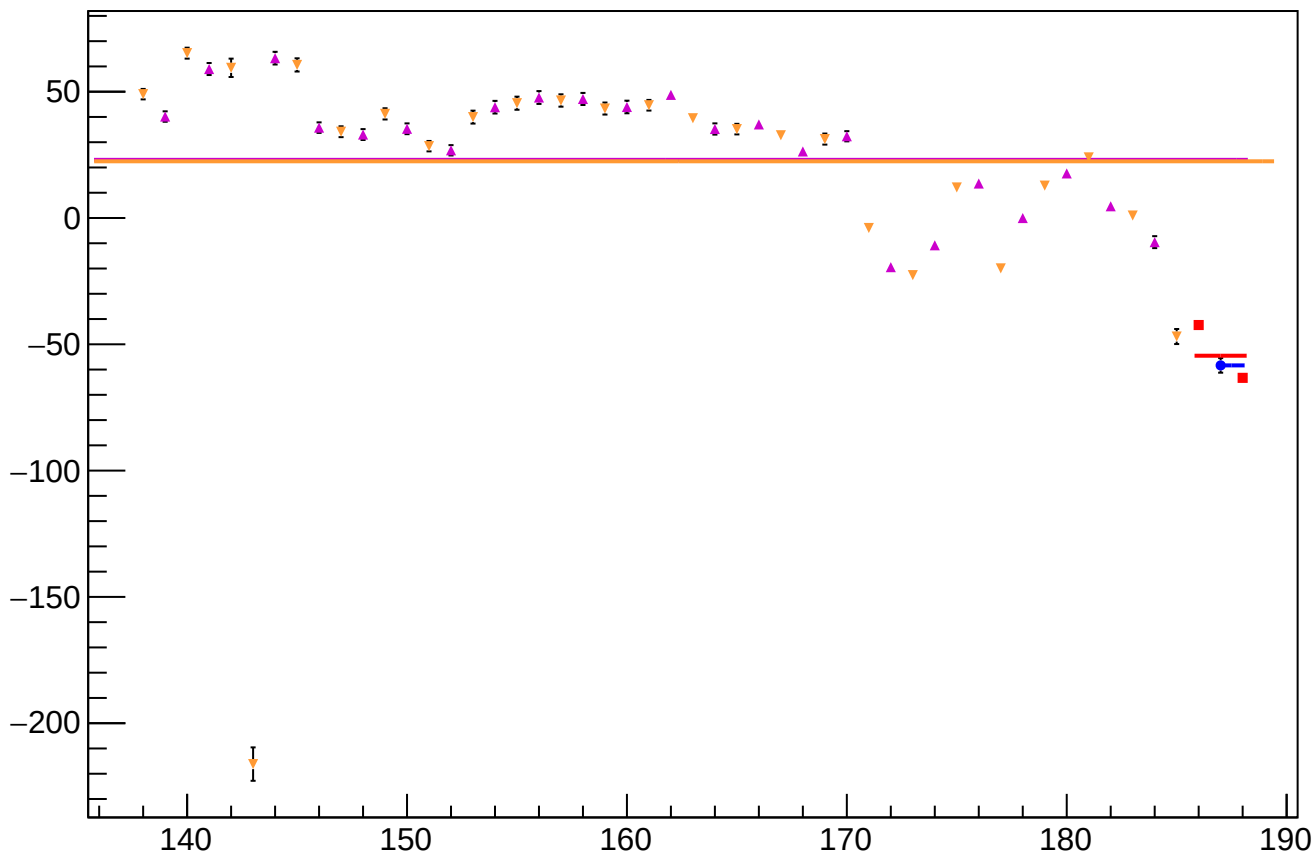
Right: -233.027+/-0.099 χ^2/NDF : 258882.0/38

In: -259.871+/-0.071 χ^2/NDF : 282880.9/40

Out: -253.118+/-0.069 χ^2/NDF : 366887.6/45

All: -256.365+/-0.049 χ^2/NDF : 654438.9/86

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -58.350 ± 2.889 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 22.446 ± 0.399 $\chi^2/\text{NDF}: 4935.8/24$

Right Out: -54.521 ± 1.189 $\chi^2/\text{NDF}: 75.3/1$

Left In: 23.019 ± 0.400 $\chi^2/\text{NDF}: 2819.9/22$

Left: 22.732 ± 0.282 $\chi^2/\text{NDF}: 7756.7/47$

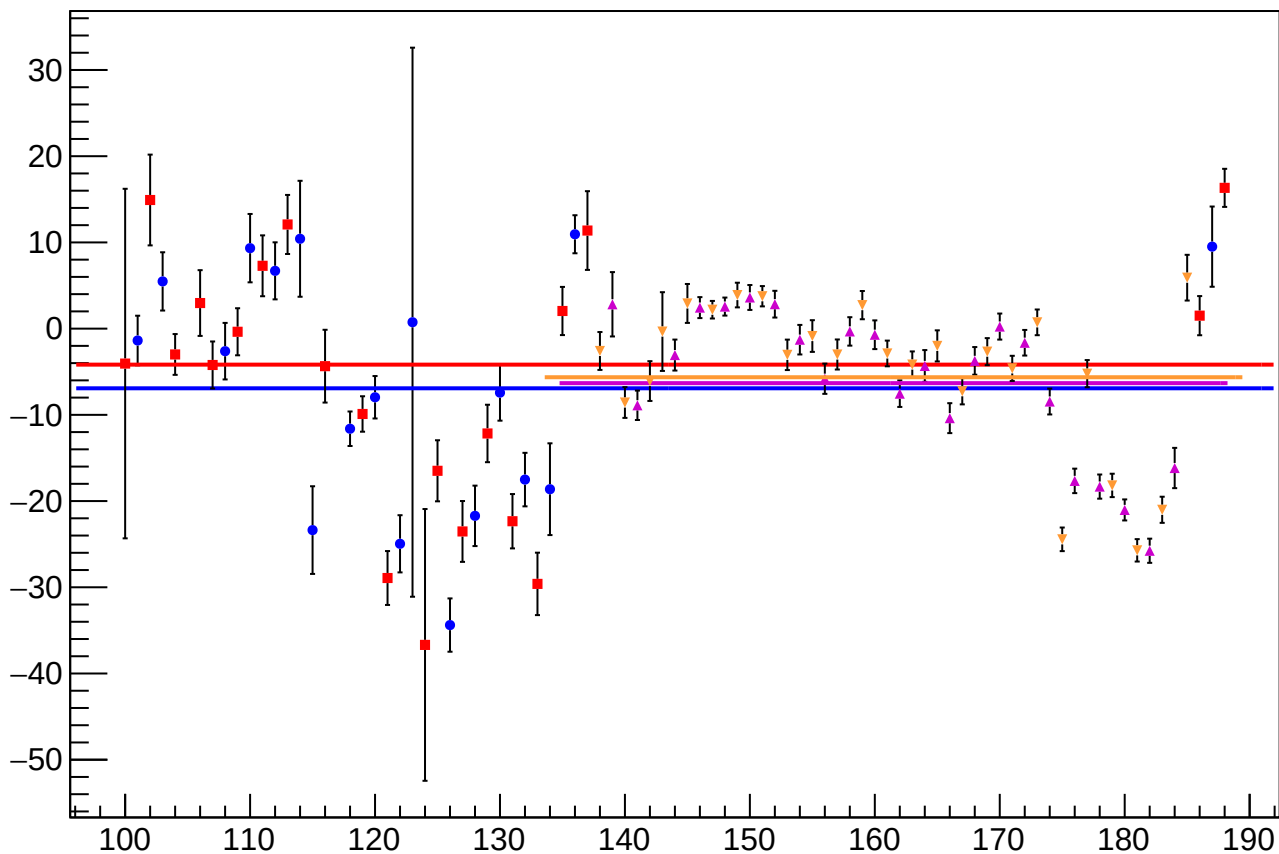
Right: -55.076 ± 1.100 $\chi^2/\text{NDF}: 76.8/2$

In: 21.490 ± 0.396 $\chi^2/\text{NDF}: 3598.3/23$

Out: 14.666 ± 0.378 $\chi^2/\text{NDF}: 8775.1/26$

All: 17.921 ± 0.273 $\chi^2/\text{NDF}: 12528.8/50$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.921 ± 0.768 χ^2/NDF : 296.4/17

Left Out: -5.639 ± 0.316 χ^2/NDF : 891.5/24

Right Out: -4.176 ± 0.687 χ^2/NDF : 366.1/20

Left In: -6.323 ± 0.320 χ^2/NDF : 784.4/22

Left: -5.976 ± 0.225 χ^2/NDF : 1678.2/47

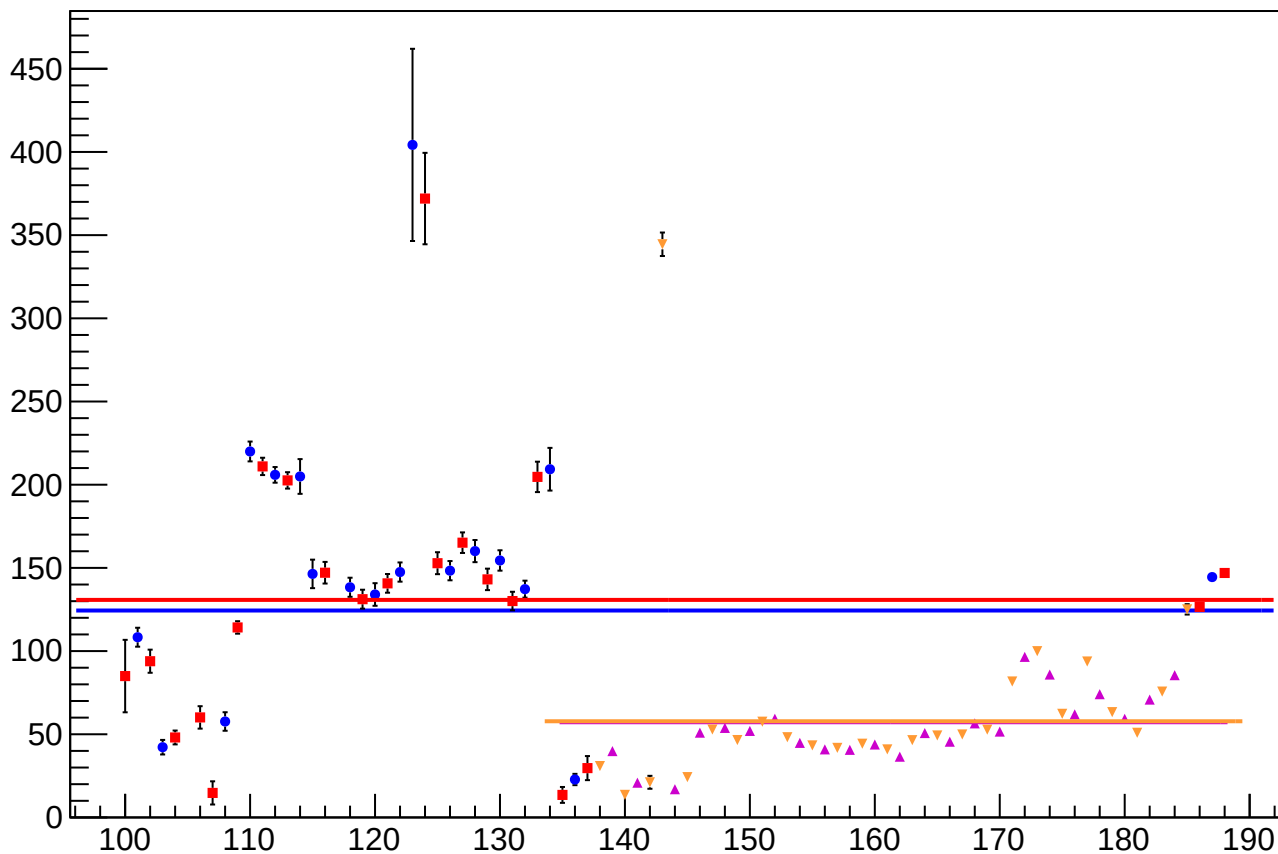
Right: -5.395 ± 0.512 χ^2/NDF : 669.6/38

In: -6.412 ± 0.296 χ^2/NDF : 1081.3/40

Out: -5.383 ± 0.287 χ^2/NDF : 1261.4/45

All: -5.882 ± 0.206 χ^2/NDF : 2348.9/86

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 124.382 $\pm$ 1.211 χ^2 /NDF: 2258.2/17

Left Out: 57.816 $\pm$ 0.398 χ^2 /NDF:4331.5/24

Right Out: 130.763 $\pm$ 0.783 χ^2 /NDF: 2451.8/20

Left In: 57.226 $\pm$ 0.398 χ^2 /NDF:1860.6/22

Left: 57.521 $\pm$ 0.281 χ^2 /NDF: 6193.2/47

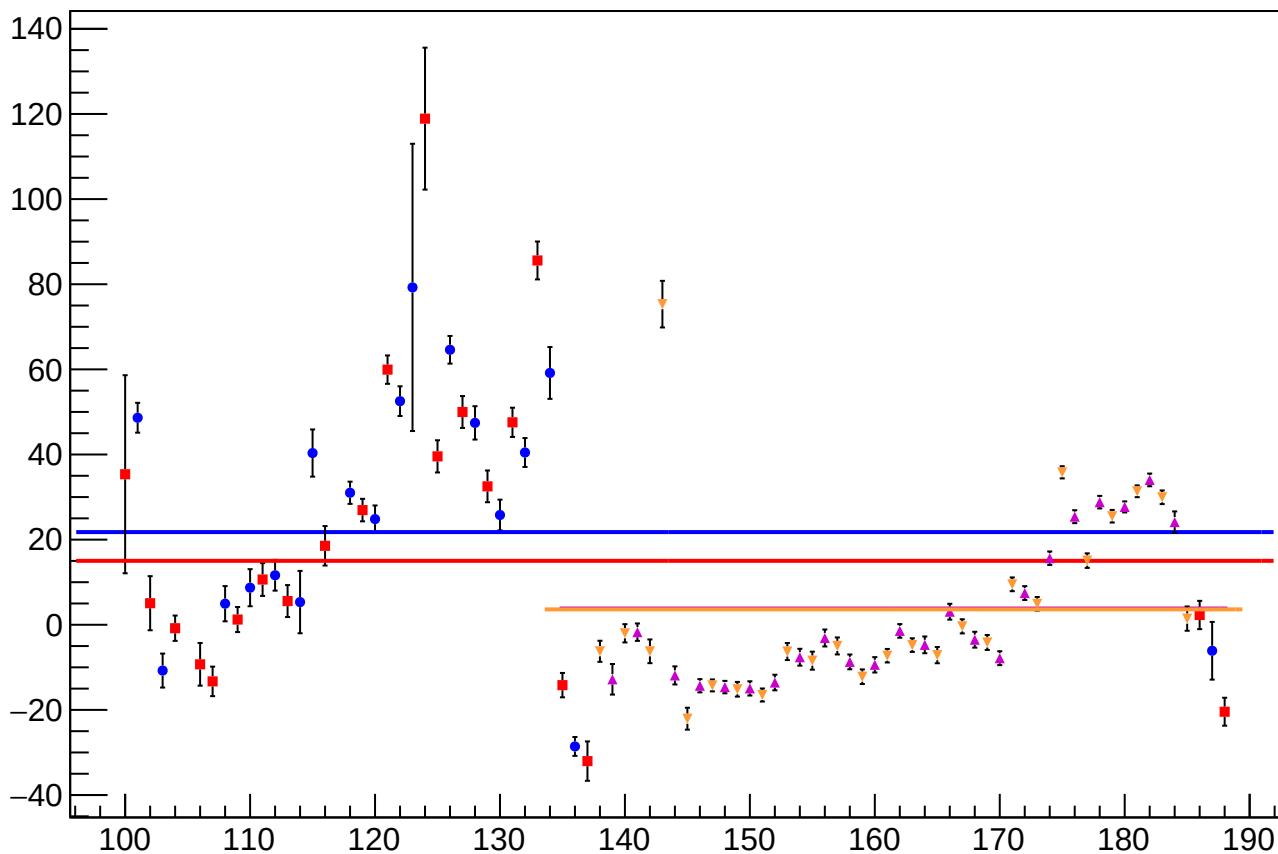
Right: 128.884 $\pm$ 0.657 χ^2 /NDF: 4729.6/38

In: 63.772 $\pm$ 0.378 χ^2 /NDF:6893.0/40

Out: 72.809 $\pm$ 0.355 χ^2 /NDF:13687.4/45

All: 68.579 $\pm$ 0.259 χ^2 /NDF: 20884.1/86

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.771 $\pm$ 0.882 χ^2 /NDF: 1088.6/17

Left Out: 3.615 $\pm$ 0.357 χ^2 /NDF:2501.2/24

Right Out: 15.020 $\pm$ 0.817 χ^2 /NDF: 1223.4/20

Left In: 3.812 $\pm$ 0.361 χ^2 /NDF:2203.5/22

Left: 3.712 $\pm$ 0.254 χ^2 /NDF: 4704.8/47

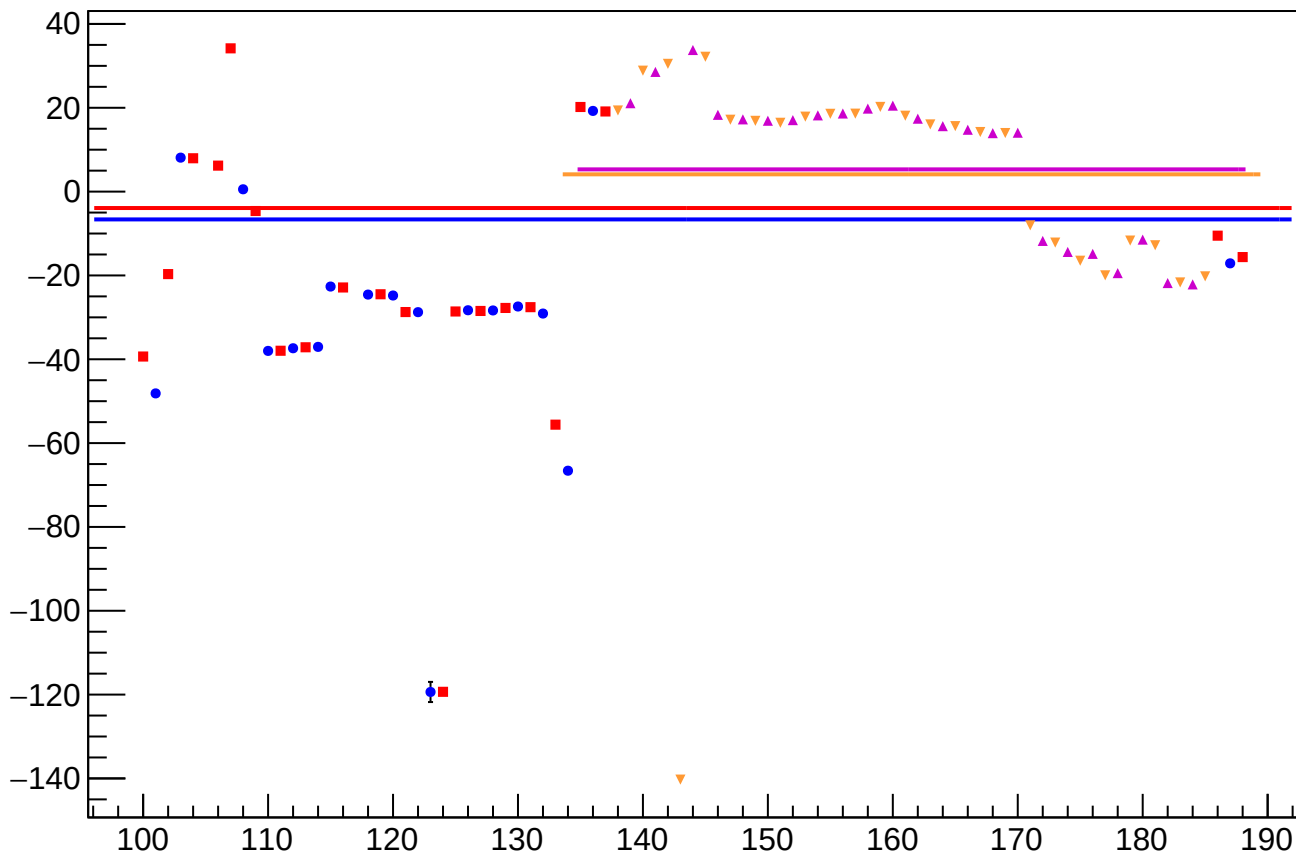
Right: 18.138 $\pm$ 0.599 χ^2 /NDF: 2343.6/38

In: 6.387 $\pm$ 0.334 χ^2 /NDF:3647.6/40

Out: 5.442 $\pm$ 0.327 χ^2 /NDF:3888.3/45

All: 5.905 $\pm$ 0.234 χ^2 /NDF: 7540.0/86

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.634 $\pm$ 0.046 χ^2/NDF : 266563.8/17

Left Out: 4.121 $\pm$ 0.016 χ^2/NDF :1340176.5/24

Right Out: -3.918 $\pm$ 0.043 χ^2/NDF : 272879.2/20

Left In: 5.305 $\pm$ 0.016 χ^2/NDF :1089610.2/22

Left: 4.714 $\pm$ 0.012 χ^2/NDF : 2432407.5/47

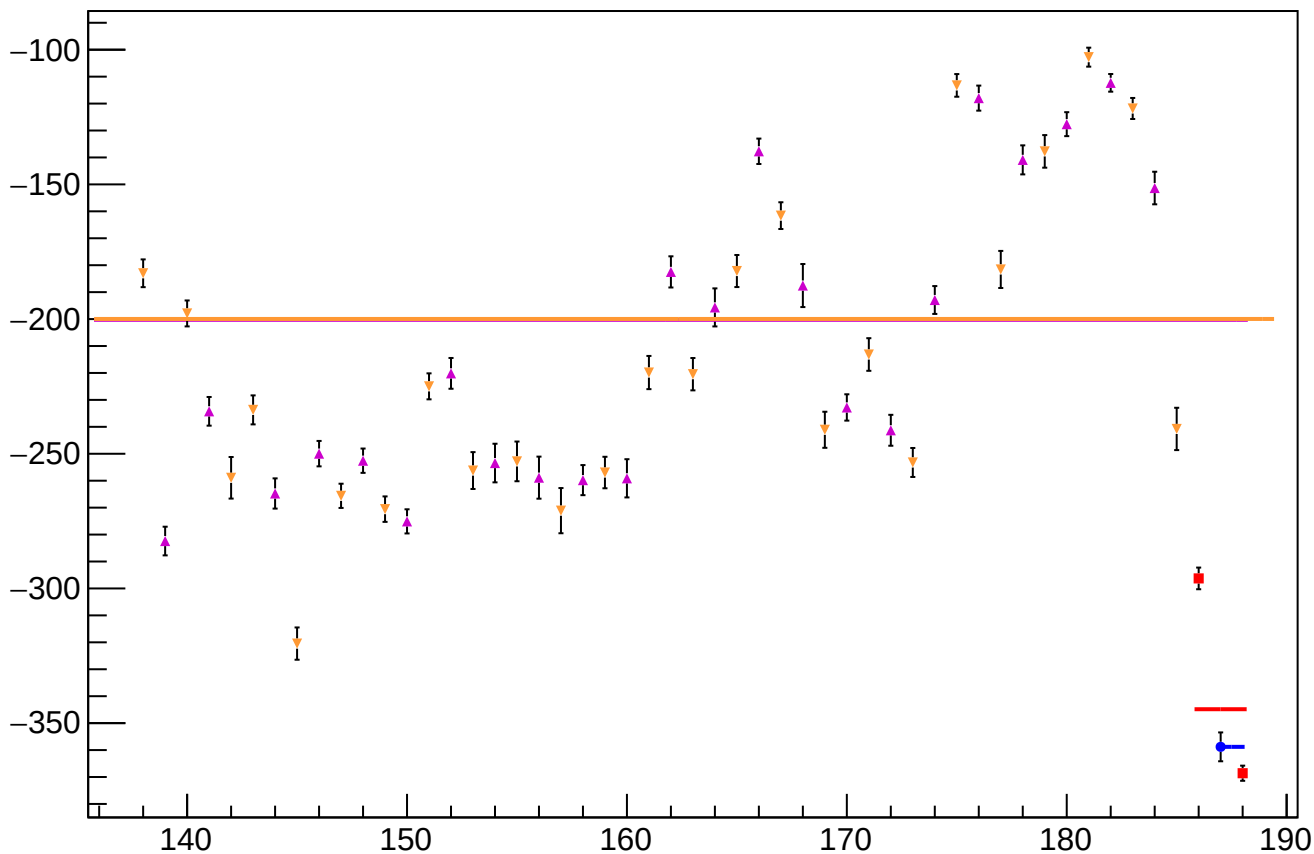
Right: -5.197 $\pm$ 0.031 χ^2/NDF : 541300.9/38

In: 3.957 $\pm$ 0.015 χ^2/NDF :1416374.3/40

Out: 3.113 $\pm$ 0.015 χ^2/NDF :1643288.5/45

All: 3.533 $\pm$ 0.011 χ^2/NDF : 3061171.7/86

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -358.804 ± 5.356 χ^2/NDF : 0.0/0

Left Out: -199.957 ± 1.082 χ^2/NDF : 3220.5/24

Right Out: -344.835 ± 2.304 χ^2/NDF : 217.3/1

Left In: -200.276 ± 1.093 χ^2/NDF : 3013.8/22

Left: -200.115 ± 0.769 χ^2/NDF : 6234.3/47

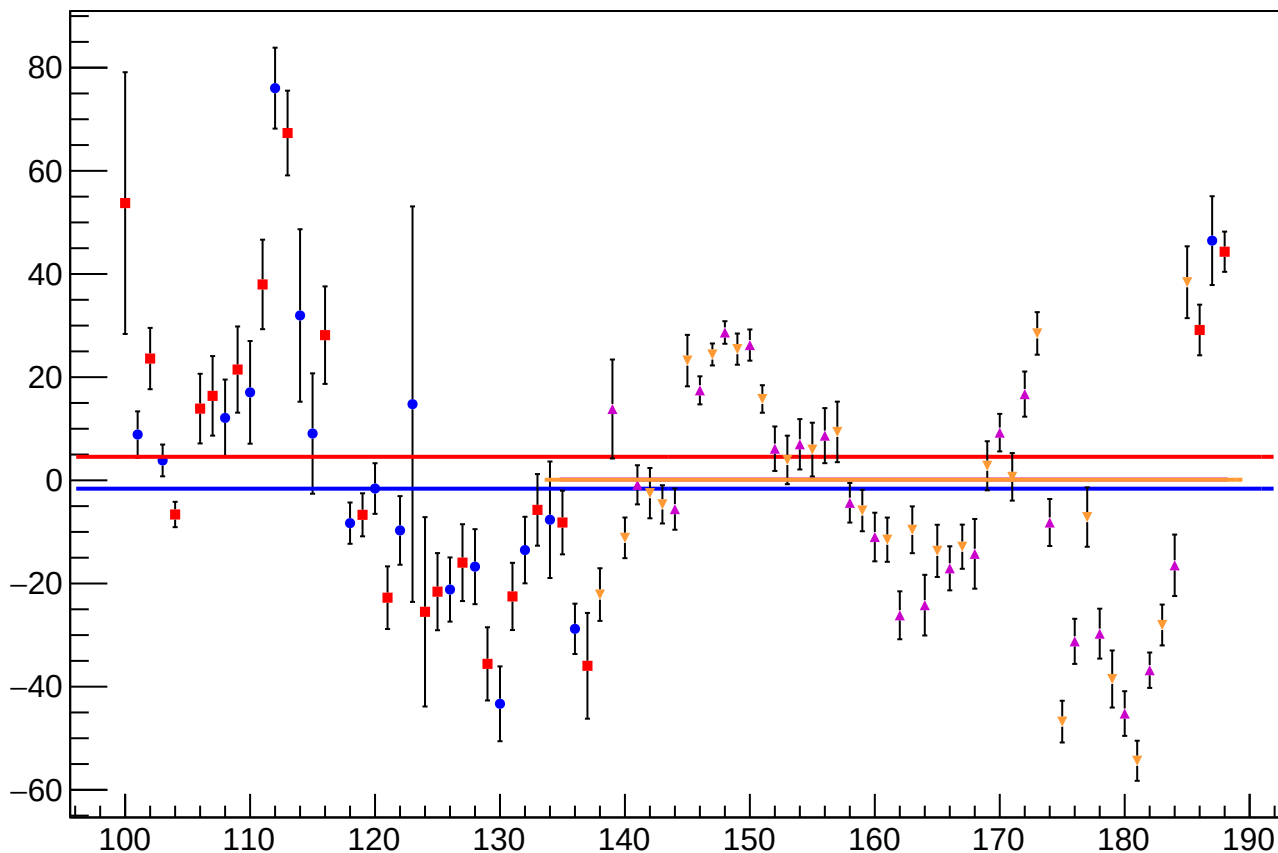
Right: -347.017 ± 2.117 χ^2/NDF : 223.0/2

In: -206.618 ± 1.071 χ^2/NDF : 3854.8/23

Out: -226.111 ± 0.979 χ^2/NDF : 6676.9/26

All: -217.239 ± 0.723 χ^2/NDF : 10712.1/50

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.616 ± 1.430 χ^2/NDF : 236.0/17

Left Out: 0.116 ± 0.810 χ^2/NDF : 830.1/24

Right Out: 4.563 ± 1.272 χ^2/NDF : 373.0/20

Left In: 0.153 ± 0.836 χ^2/NDF : 719.6/22

Left: 0.134 ± 0.582 χ^2/NDF : 1549.7/47

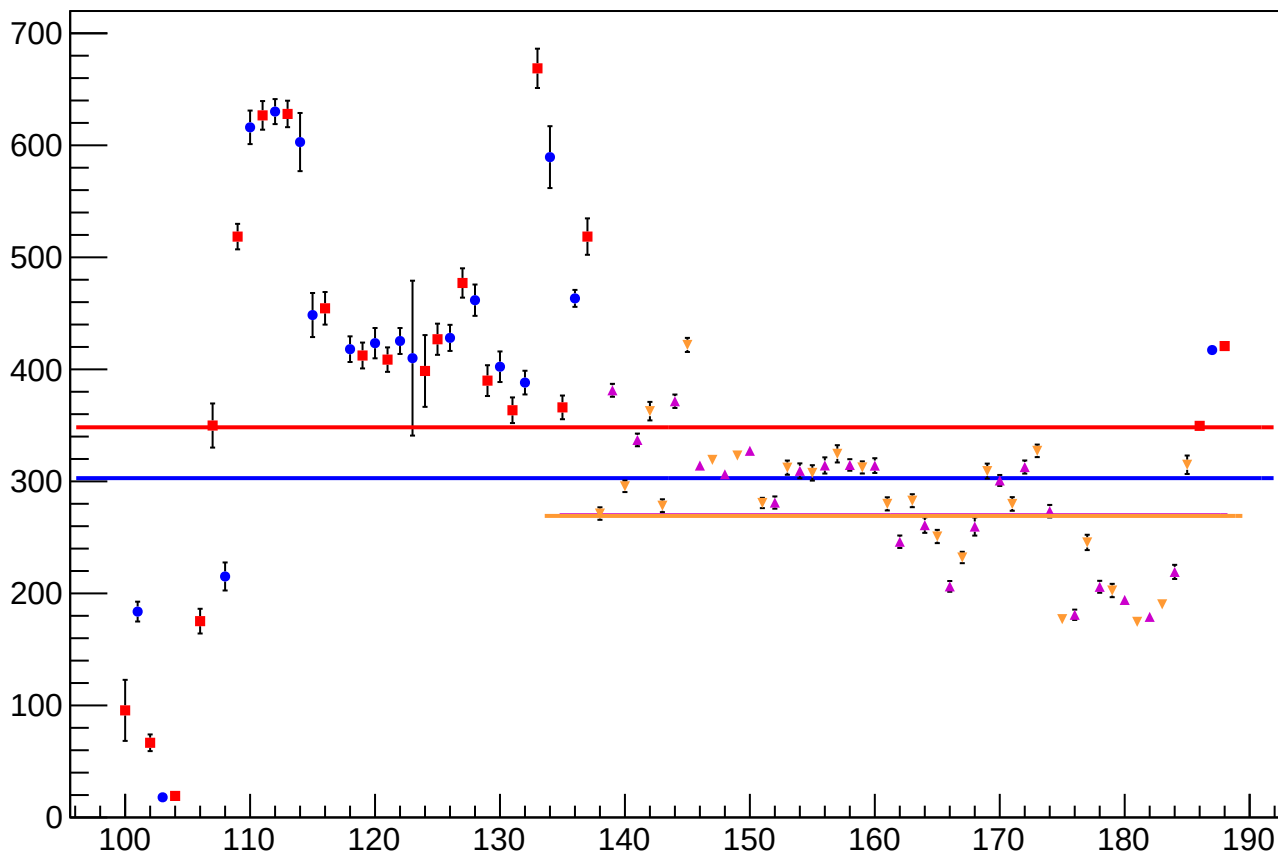
Right: 1.835 ± 0.950 χ^2/NDF : 619.4/38

In: -0.297 ± 0.722 χ^2/NDF : 956.8/40

Out: 1.401 ± 0.683 χ^2/NDF : 1211.8/45

All: 0.598 ± 0.496 χ^2/NDF : 2171.5/86

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 302.893+/-2.158 χ^2/NDF : 8553.0/17

Left Out: 269.181+/-1.081 χ^2/NDF : 3148.5/24

Right Out: 348.275+/-1.476 χ^2/NDF : 10485.7/20

Left In: 269.798+/-1.087 χ^2/NDF : 3234.9/22

Left: 269.488+/-0.766 χ^2/NDF : 6383.6/47

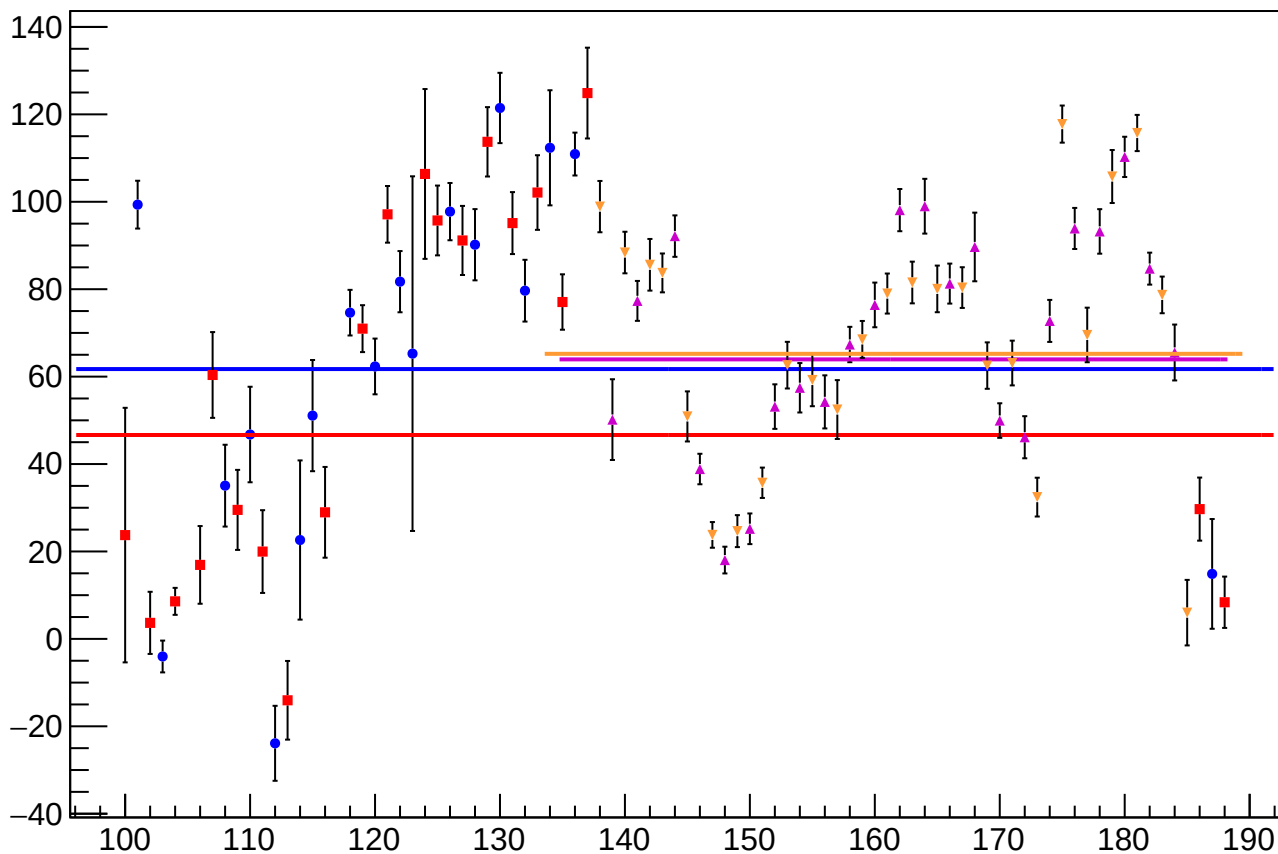
Right: 333.818+/-1.218 χ^2/NDF : 19339.9/38

In: 276.494+/-0.971 χ^2/NDF : 11975.5/40

Out: 296.794+/-0.872 χ^2/NDF : 15503.7/45

All: 287.730+/-0.649 χ^2/NDF : 27721.2/86

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.729+/-1.663 χ^2/NDF : 736.6/17

Left Out: 65.214+/-0.938 χ^2/NDF :1005.7/24

Right Out: 46.647+/-1.546 χ^2/NDF : 710.6/20

Left In: 63.944+/-0.961 χ^2/NDF :803.4/22

Left: 64.594+/-0.671 χ^2/NDF : 1809.9/47

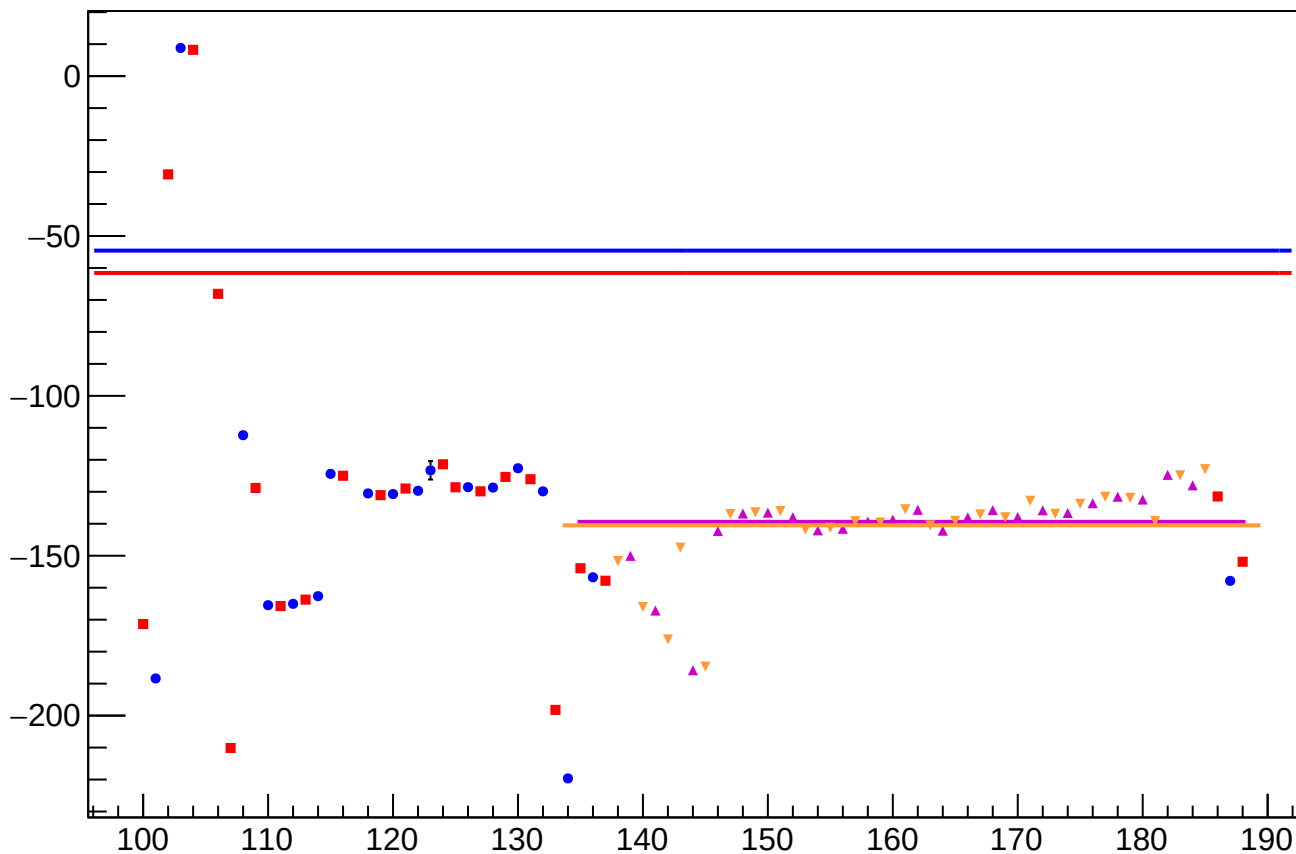
Right: 53.636+/-1.132 χ^2/NDF : 1491.3/38

In: 63.390+/-0.832 χ^2/NDF :1541.3/40

Out: 60.216+/-0.802 χ^2/NDF :1821.7/45

All: 61.745+/-0.577 χ^2/NDF : 3370.5/86

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -54.572 ± 0.070 $\chi^2/\text{NDF}: 1251454.5/17$

Left Out: -140.489 ± 0.045 $\chi^2/\text{NDF}: 77350.7/24$

Right Out: -61.554 ± 0.069 $\chi^2/\text{NDF}: 1077234.6/20$

Left In: -139.406 ± 0.045 $\chi^2/\text{NDF}: 62878.4/22$

Left: -139.949 ± 0.032 $\chi^2/\text{NDF}: 140521.6/47$

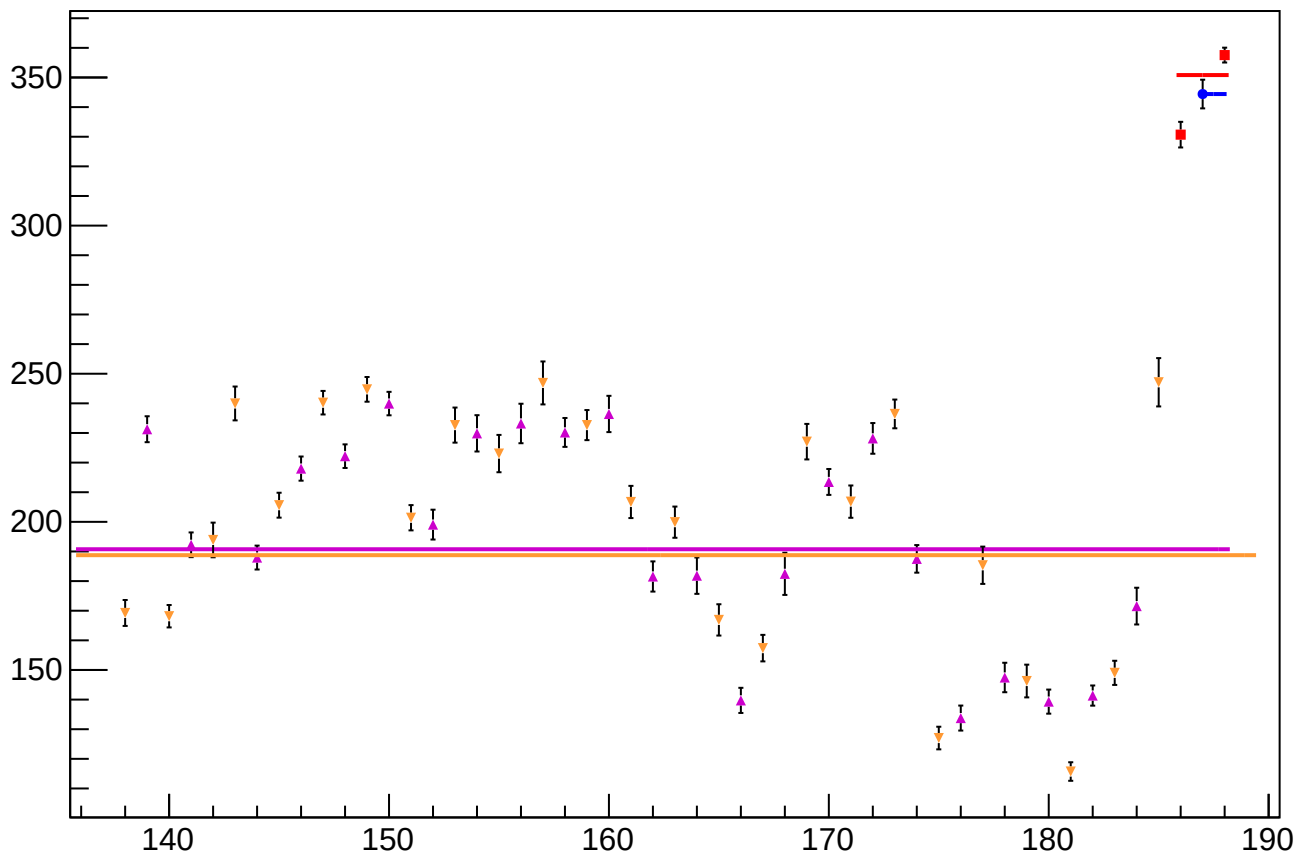
Right: -58.086 ± 0.049 $\chi^2/\text{NDF}: 2333706.4/38$

In: -114.693 ± 0.038 $\chi^2/\text{NDF}: 2357173.5/40$

Out: -117.385 ± 0.038 $\chi^2/\text{NDF}: 2067646.8/45$

All: -116.045 ± 0.027 $\chi^2/\text{NDF}: 4427373.8/86$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 344.410 $\pm$ 4.840 χ^2 /NDF: 0.0/0

Left Out: 188.749 $\pm$ 0.958 χ^2 /NDF:1968.6/24

Right Out: 350.817 $\pm$ 2.168 χ^2 /NDF: 28.9/1

Left In: 190.753 $\pm$ 0.971 χ^2 /NDF:1421.8/22

Left: 189.737 $\pm$ 0.682 χ^2 /NDF: 3392.5/47

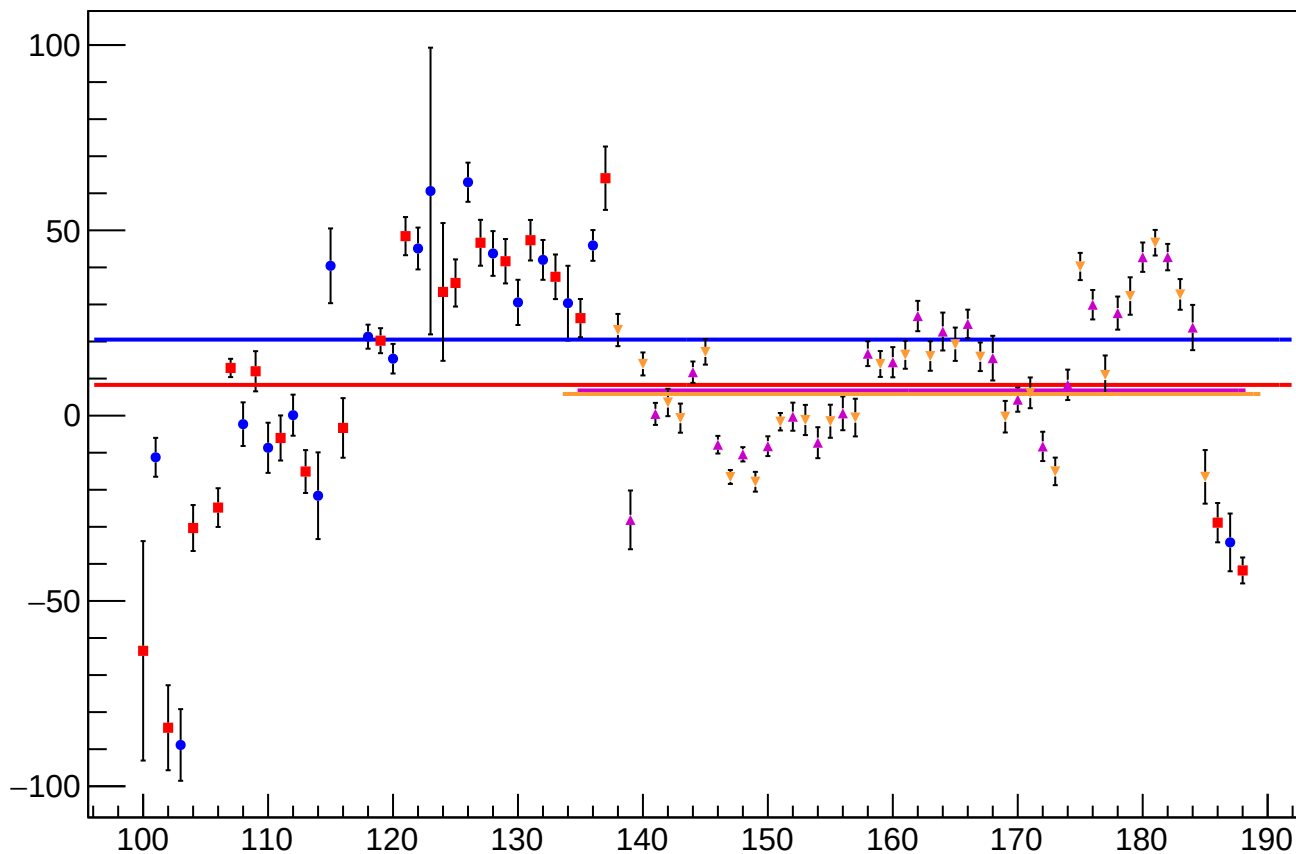
Right: 349.746 $\pm$ 1.979 χ^2 /NDF: 30.3/2

In: 196.697 $\pm$ 0.952 χ^2 /NDF:2390.6/23

Out: 215.228 $\pm$ 0.876 χ^2 /NDF:6672.6/26

All: 206.728 $\pm$ 0.645 χ^2 /NDF: 9268.3/50

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 20.519+/-1.353 χ^2/NDF : 436.5/17

Left Out: 5.851+/-0.714 χ^2/NDF : 650.6/24

Right Out: 8.295+/-1.133 χ^2/NDF : 723.6/20

Left In: 6.797+/-0.735 χ^2/NDF : 525.8/22

Left: 6.311+/-0.512 χ^2/NDF : 1177.3/47

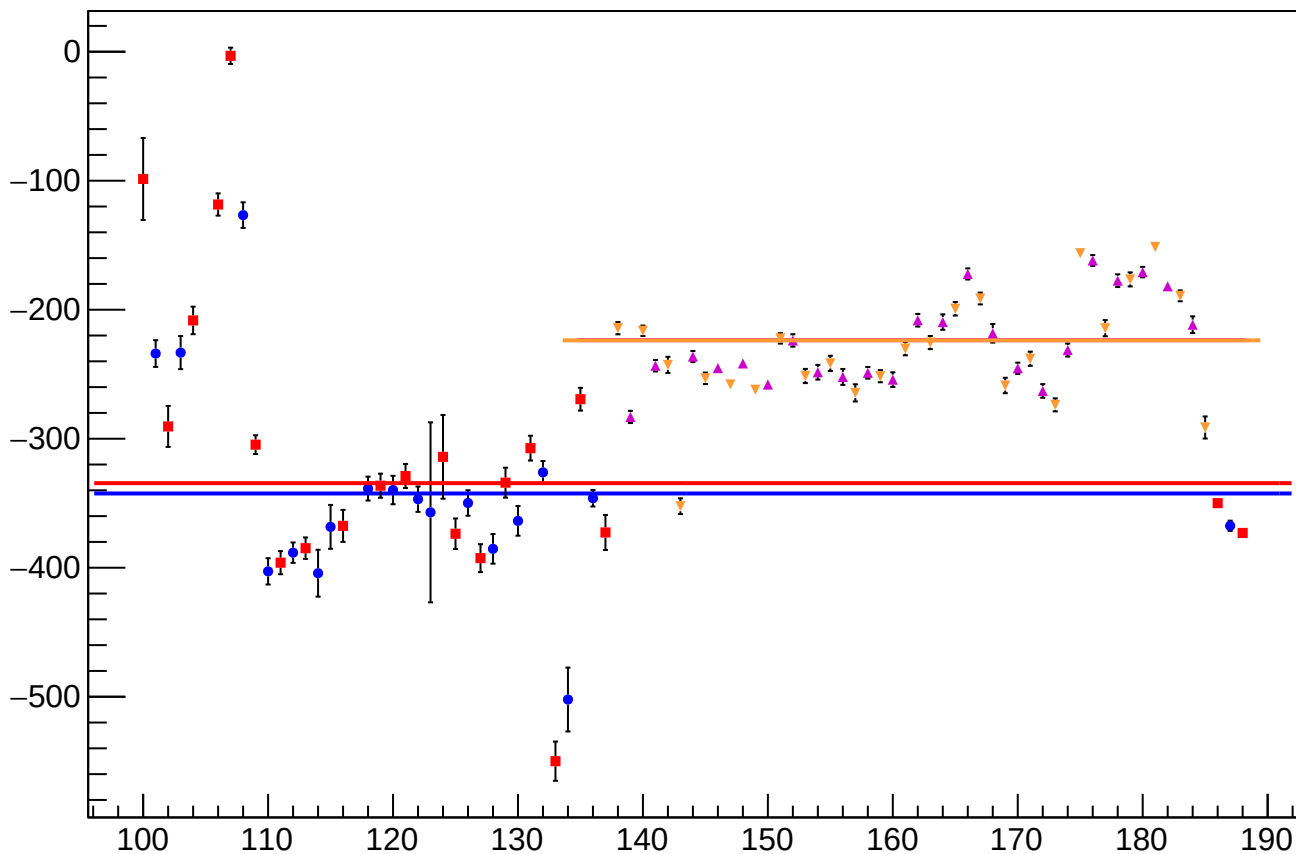
Right: 13.335+/-0.869 χ^2/NDF : 1208.1/38

In: 9.922+/-0.646 χ^2/NDF : 1041.8/40

Out: 6.546+/-0.604 χ^2/NDF : 1377.6/45

All: 8.123+/-0.441 χ^2/NDF : 2433.9/86

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -342.441 ± 2.154 χ^2/NDF : 841.1/17

Left Out: -223.752 ± 0.958 χ^2/NDF : 2021.5/24

Right Out: -334.433 ± 1.392 χ^2/NDF : 4386.4/20

Left In: -223.554 ± 0.966 χ^2/NDF : 1286.5/22

Left: -223.654 ± 0.680 χ^2/NDF : 3308.0/47

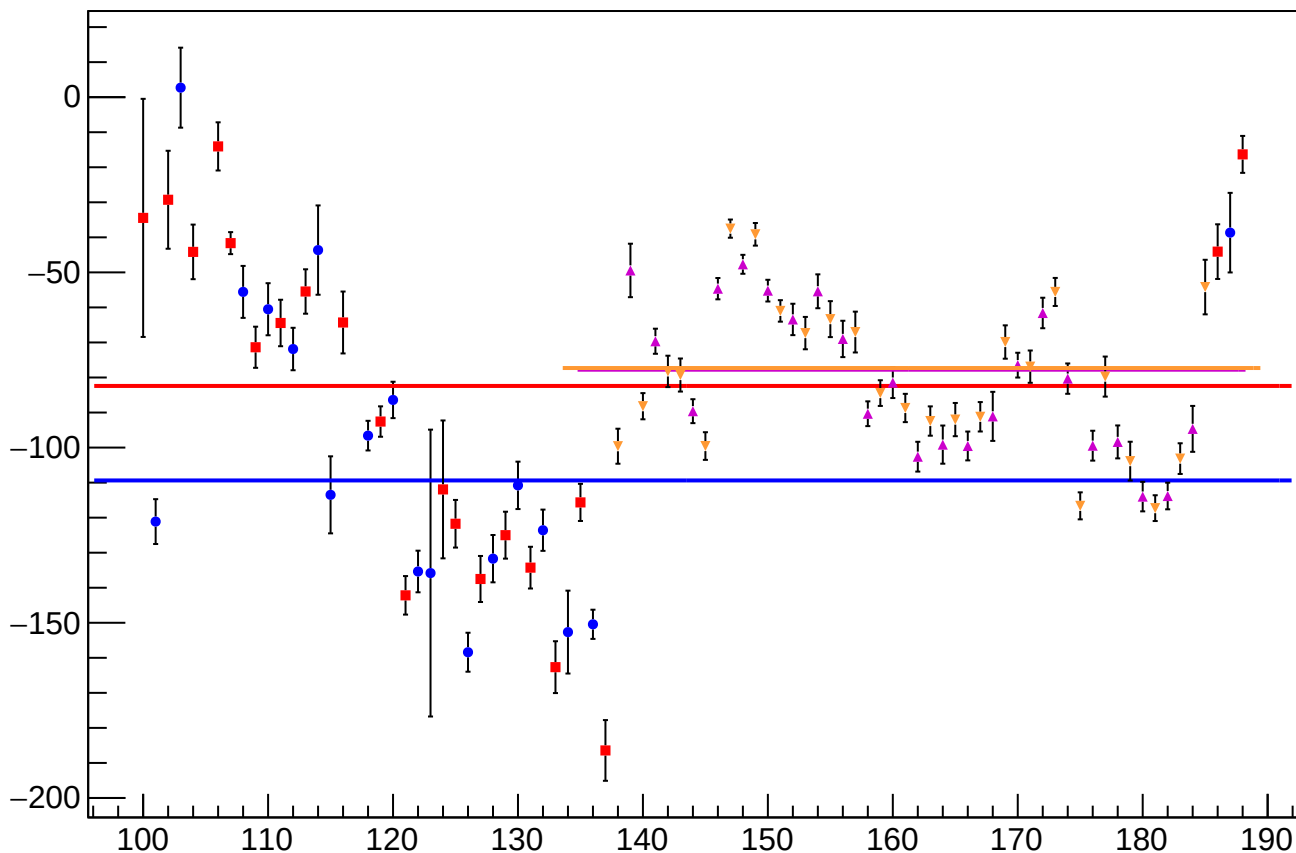
Right: -336.792 ± 1.169 χ^2/NDF : 5237.3/38

In: -243.454 ± 0.881 χ^2/NDF : 4665.1/40

Out: -259.336 ± 0.789 χ^2/NDF : 10699.7/45

All: -252.267 ± 0.588 χ^2/NDF : 15545.1/86

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -109.380 ± 1.563 χ^2/NDF : 552.9/17

Left Out: -77.296 ± 0.829 χ^2/NDF : 844.6/24

Right Out: -82.410 ± 1.363 χ^2/NDF : 1169.6/20

Left In: -77.777 ± 0.847 χ^2/NDF : 624.5/22

Left: -77.531 ± 0.592 χ^2/NDF : 1469.2/47

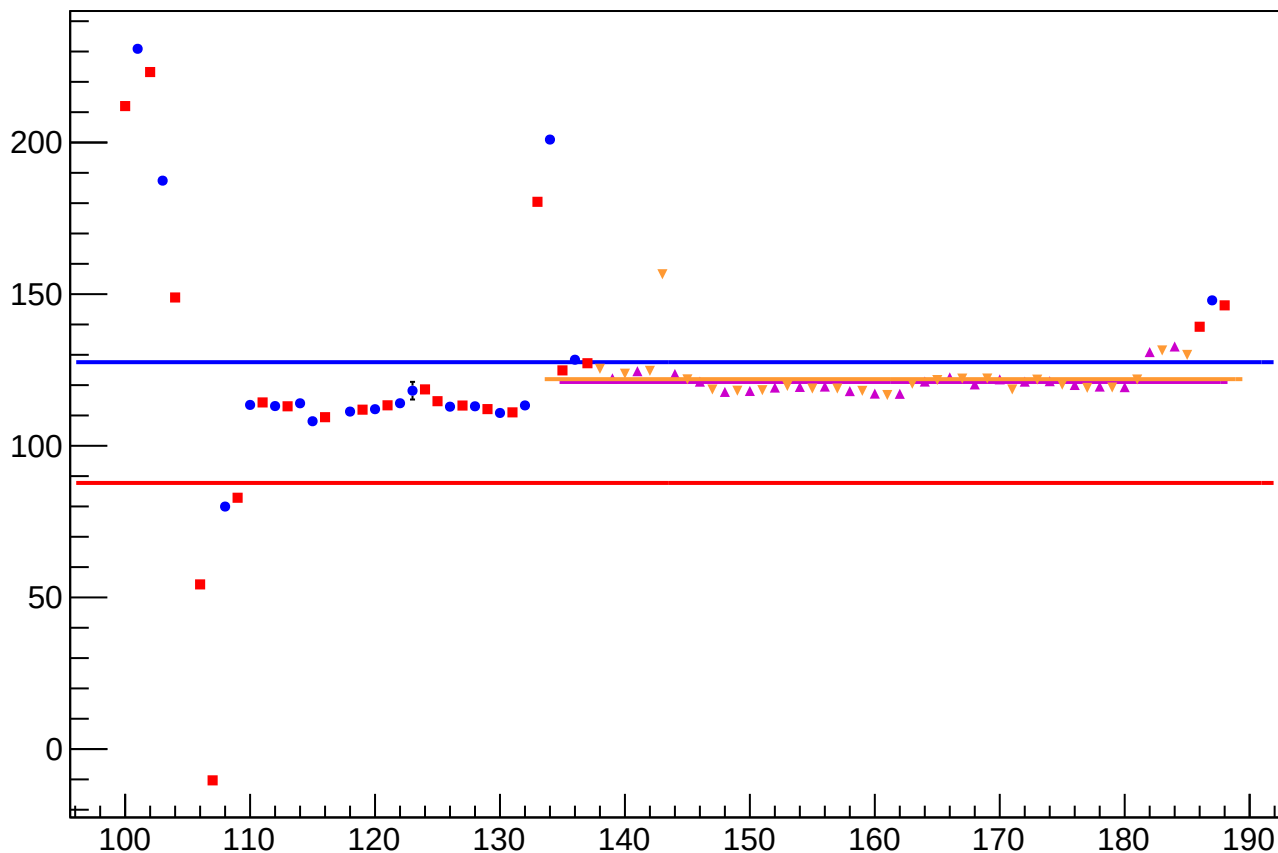
Right: -94.063 ± 1.027 χ^2/NDF : 1891.8/38

In: -84.950 ± 0.744 χ^2/NDF : 1493.6/40

Out: -78.676 ± 0.708 χ^2/NDF : 2024.5/45

All: -81.656 ± 0.513 χ^2/NDF : 3555.4/86

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.569 $\pm$ 0.088 χ^2 /NDF: 189074.2/17

Left Out: 121.972 $\pm$ 0.039 χ^2 /NDF: 27431.1/24

Right Out: 87.752 $\pm$ 0.072 χ^2 /NDF: 821439.4/20

Left In: 121.045 $\pm$ 0.040 χ^2 /NDF: 7903.5/22

Left: 121.510 $\pm$ 0.028 χ^2 /NDF: 35609.5/47

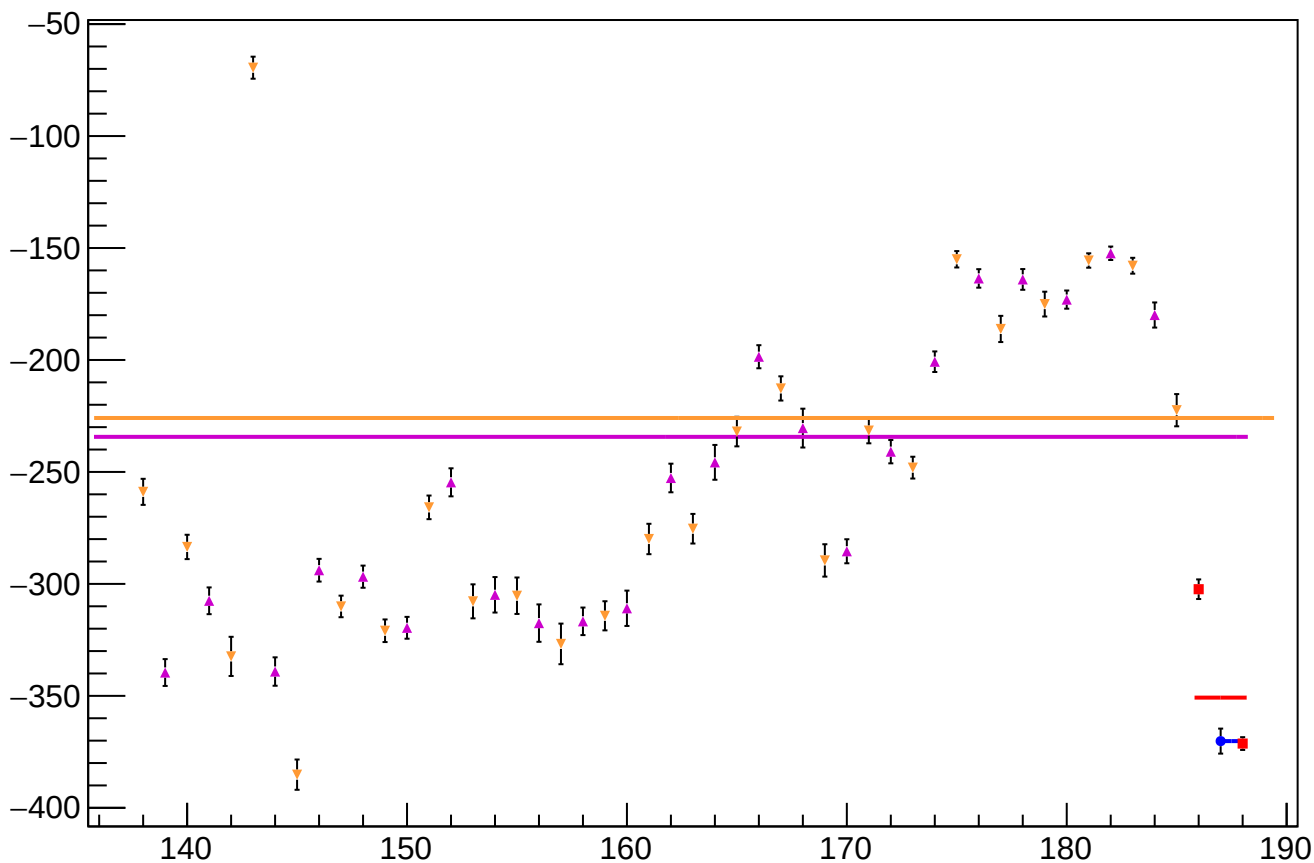
Right: 103.724 $\pm$ 0.056 χ^2 /NDF: 1132623.0/38

In: 122.139 $\pm$ 0.036 χ^2 /NDF: 201534.1/40

Out: 114.086 $\pm$ 0.035 χ^2 /NDF: 1021898.0/45

All: 117.947 $\pm$ 0.025 χ^2 /NDF: 1249337.9/86

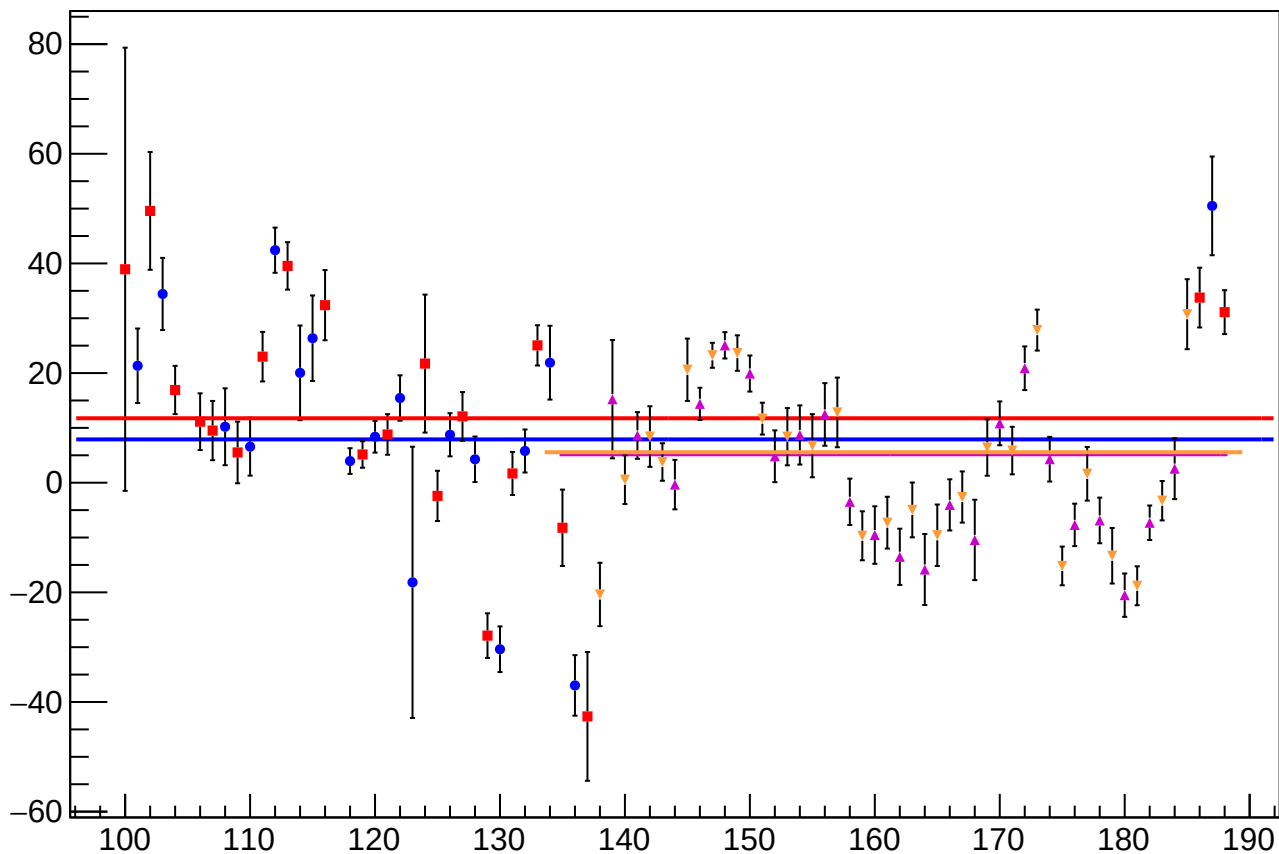
reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -370.205 $\pm$ 5.584 χ^2 /NDF: 0.0/0
 Left Out: -225.905 $\pm$ 1.083 χ^2 /NDF:4669.2/24
 Right Out: -350.782 $\pm$ 2.390 χ^2 /NDF: 173.9/1
 Left In: -234.328 $\pm$ 1.104 χ^2 /NDF:3591.9/22

Left: -230.037 $\pm$ 0.773 χ^2 /NDF: 8290.7/47
 Right: -353.790 $\pm$ 2.197 χ^2 /NDF: 184.1/2
 In: -239.442 $\pm$ 1.083 χ^2 /NDF:4161.8/23
 Out: -247.188 $\pm$ 0.987 χ^2 /NDF:7107.1/26
 All: -243.675 $\pm$ 0.730 χ^2 /NDF: 11296.8/50

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.901 ± 1.076 $\chi^2/\text{NDF}: 283.7/17$

Left Out: 5.558 ± 0.832 $\chi^2/\text{NDF}: 313.4/24$

Right Out: 11.755 ± 1.019 $\chi^2/\text{NDF}: 275.6/20$

Left In: 5.186 ± 0.867 $\chi^2/\text{NDF}: 243.2/22$

Left: 5.380 ± 0.600 $\chi^2/\text{NDF}: 556.7/47$

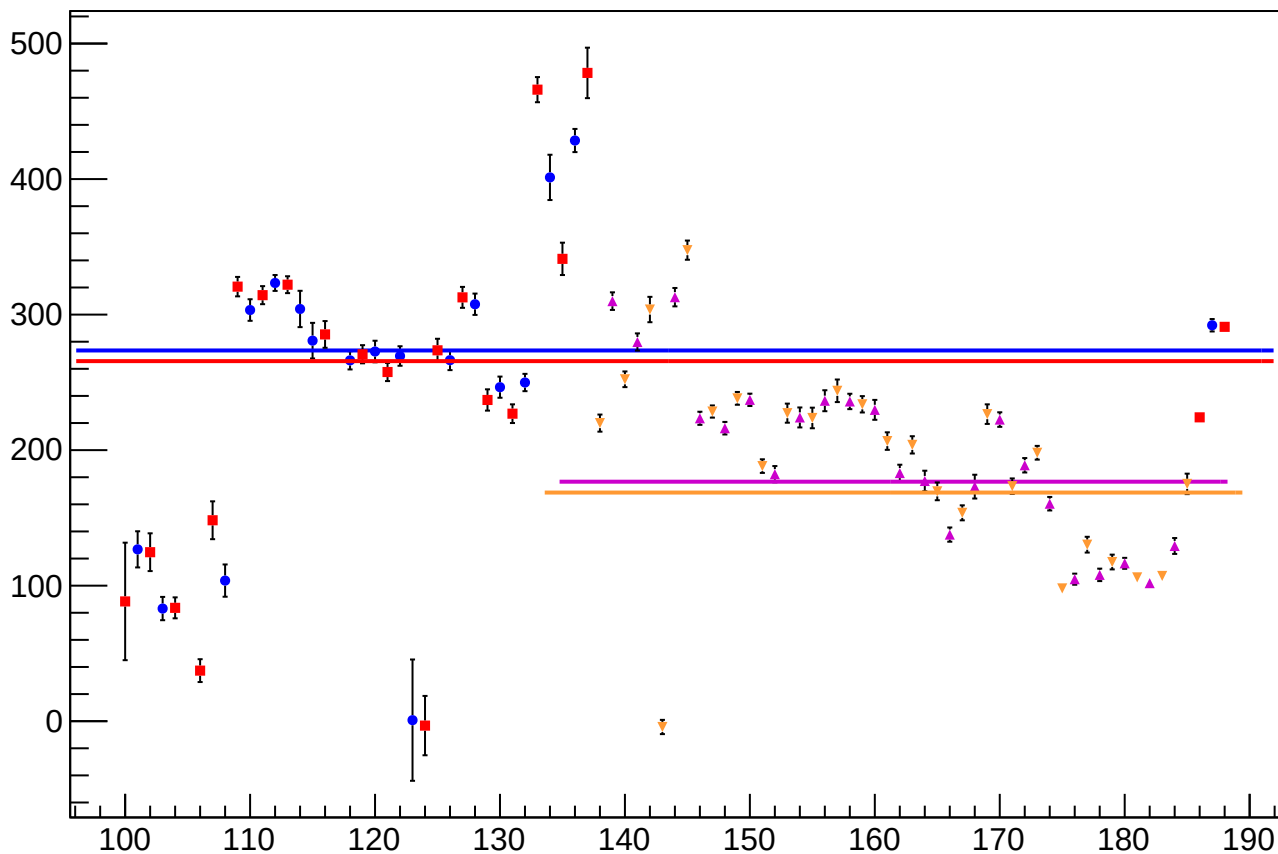
Right: 9.932 ± 0.740 $\chi^2/\text{NDF}: 566.1/38$

In: 6.255 ± 0.675 $\chi^2/\text{NDF}: 530.8/40$

Out: 8.036 ± 0.645 $\chi^2/\text{NDF}: 611.3/45$

All: 7.186 ± 0.466 $\chi^2/\text{NDF}: 1145.7/86$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.539 $\pm$ 1.888 χ^2 /NDF: 1393.8/17

Left Out: 168.699 $\pm$ 1.086 χ^2 /NDF: 4238.2/24

Right Out: 265.674 $\pm$ 1.379 χ^2 /NDF: 2810.3/20

Left In: 176.711 $\pm$ 1.102 χ^2 /NDF: 3234.3/22

Left: 172.648 $\pm$ 0.774 χ^2 /NDF: 7499.3/47

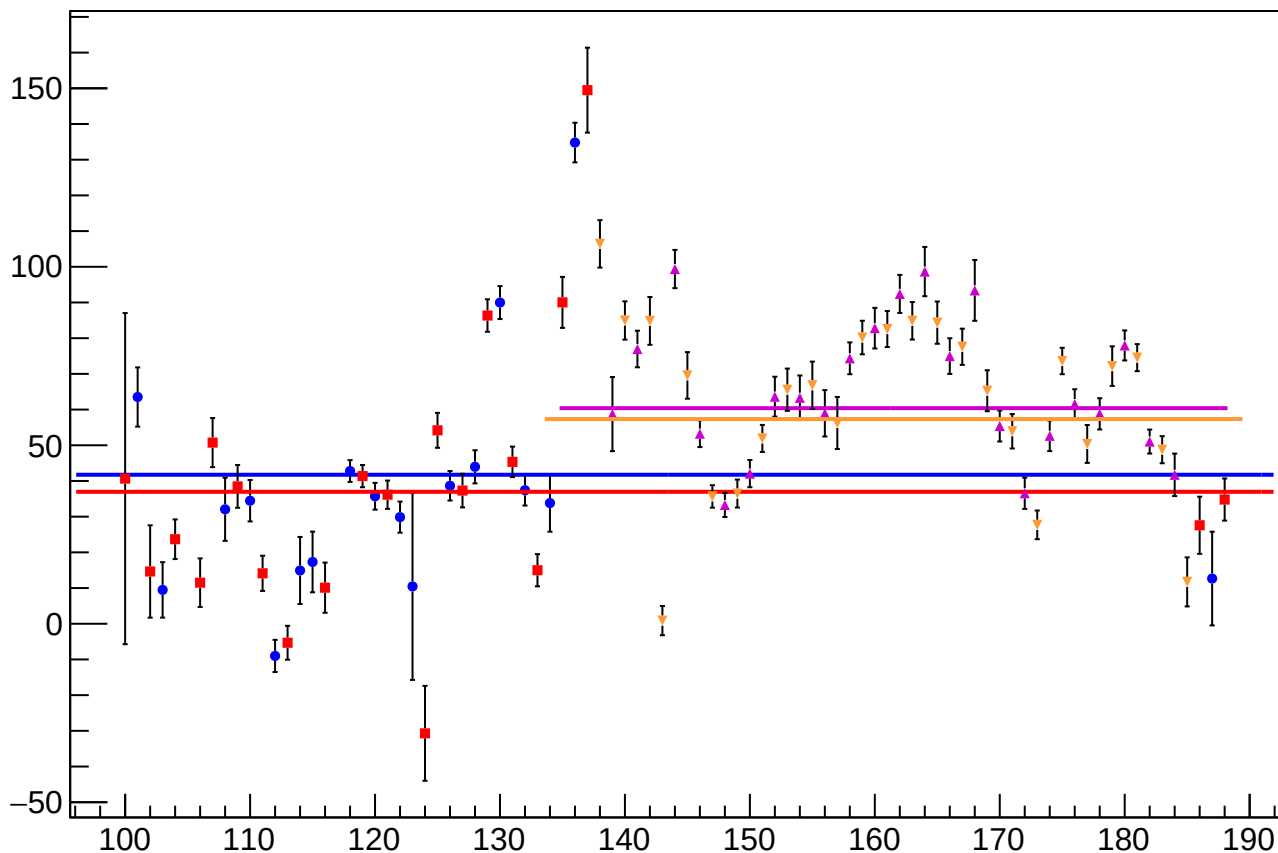
Right: 268.409 $\pm$ 1.113 χ^2 /NDF: 4215.5/38

In: 201.313 $\pm$ 0.952 χ^2 /NDF: 6590.3/40

Out: 205.847 $\pm$ 0.853 χ^2 /NDF: 10100.6/45

All: 203.826 $\pm$ 0.635 χ^2 /NDF: 16703.4/86

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.740 $\pm$ 1.250 χ^2 /NDF: 580.5/17

Left Out: 57.343 $\pm$ 0.956 χ^2 /NDF:641.5/24

Right Out: 36.965 $\pm$ 1.197 χ^2 /NDF: 474.2/20

Left In: 60.392 $\pm$ 0.987 χ^2 /NDF:341.2/22

Left: 58.819 $\pm$ 0.687 χ^2 /NDF: 987.6/47

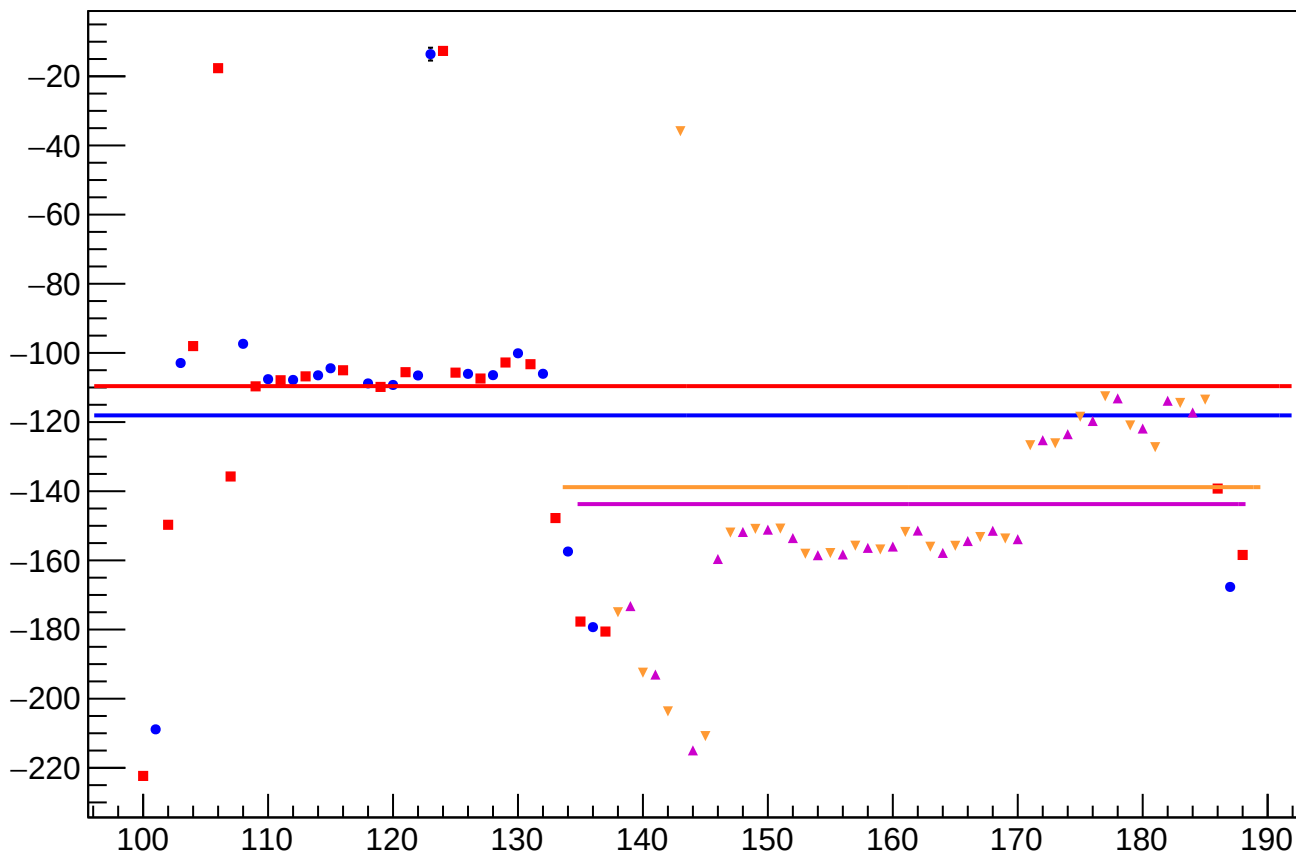
Right: 39.250 $\pm$ 0.865 χ^2 /NDF: 1062.3/38

In: 53.226 $\pm$ 0.775 χ^2 /NDF:1058.9/40

Out: 49.407 $\pm$ 0.747 χ^2 /NDF:1292.5/45

All: 51.247 $\pm$ 0.538 χ^2 /NDF: 2364.0/86

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -118.068+/-0.078 χ^2/NDF : 146572.9/17

Left Out: -138.821+/-0.045 χ^2/NDF : 525537.6/24

Right Out: -109.606+/-0.070 χ^2/NDF : 359329.2/20

Left In: -143.726+/-0.046 χ^2/NDF : 260994.5/22

Left: -141.241+/-0.032 χ^2/NDF : 792316.4/47

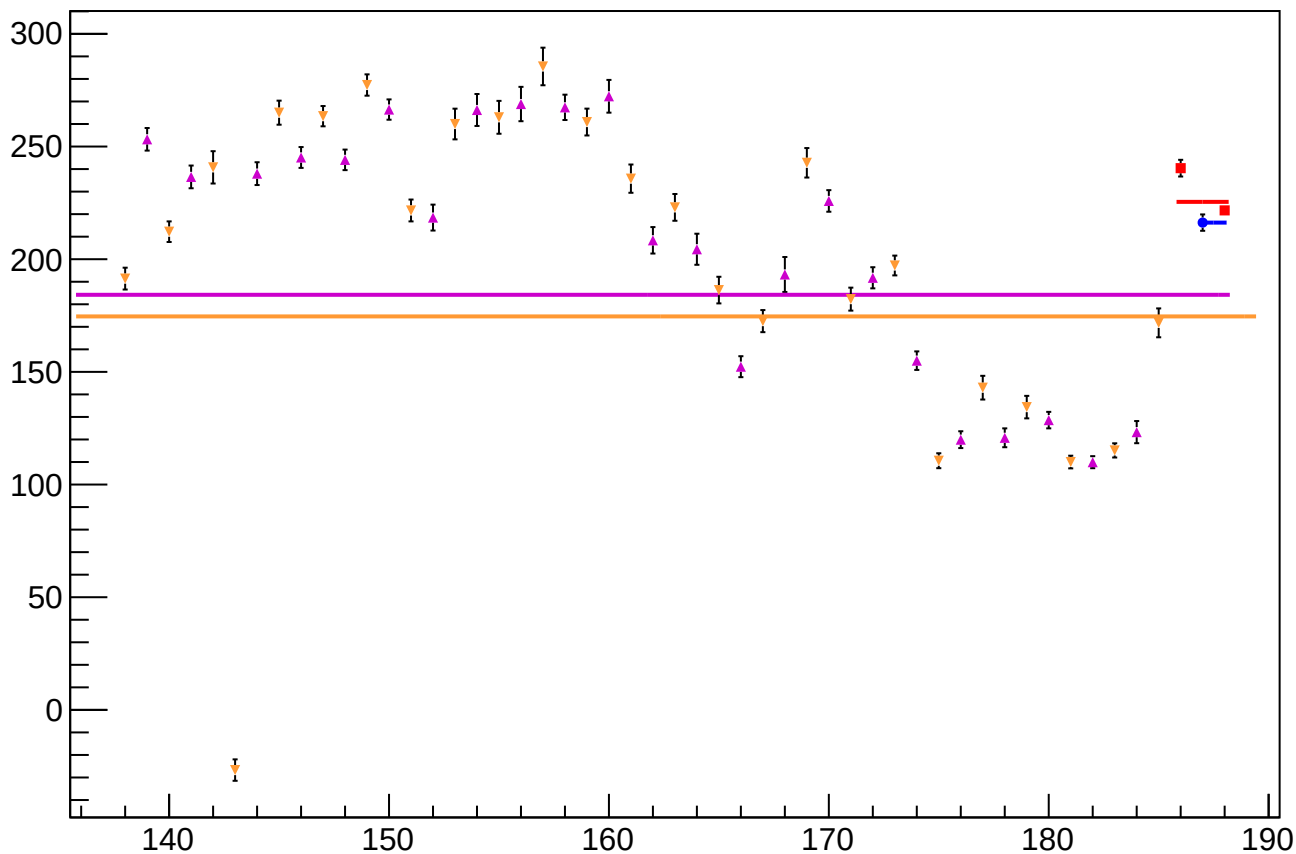
Right: -113.402+/-0.052 χ^2/NDF : 512464.4/38

In: -137.071+/-0.040 χ^2/NDF : 488591.7/40

Out: -130.191+/-0.038 χ^2/NDF : 1007716.1/45

All: -133.499+/-0.027 χ^2/NDF : 1512049.1/86

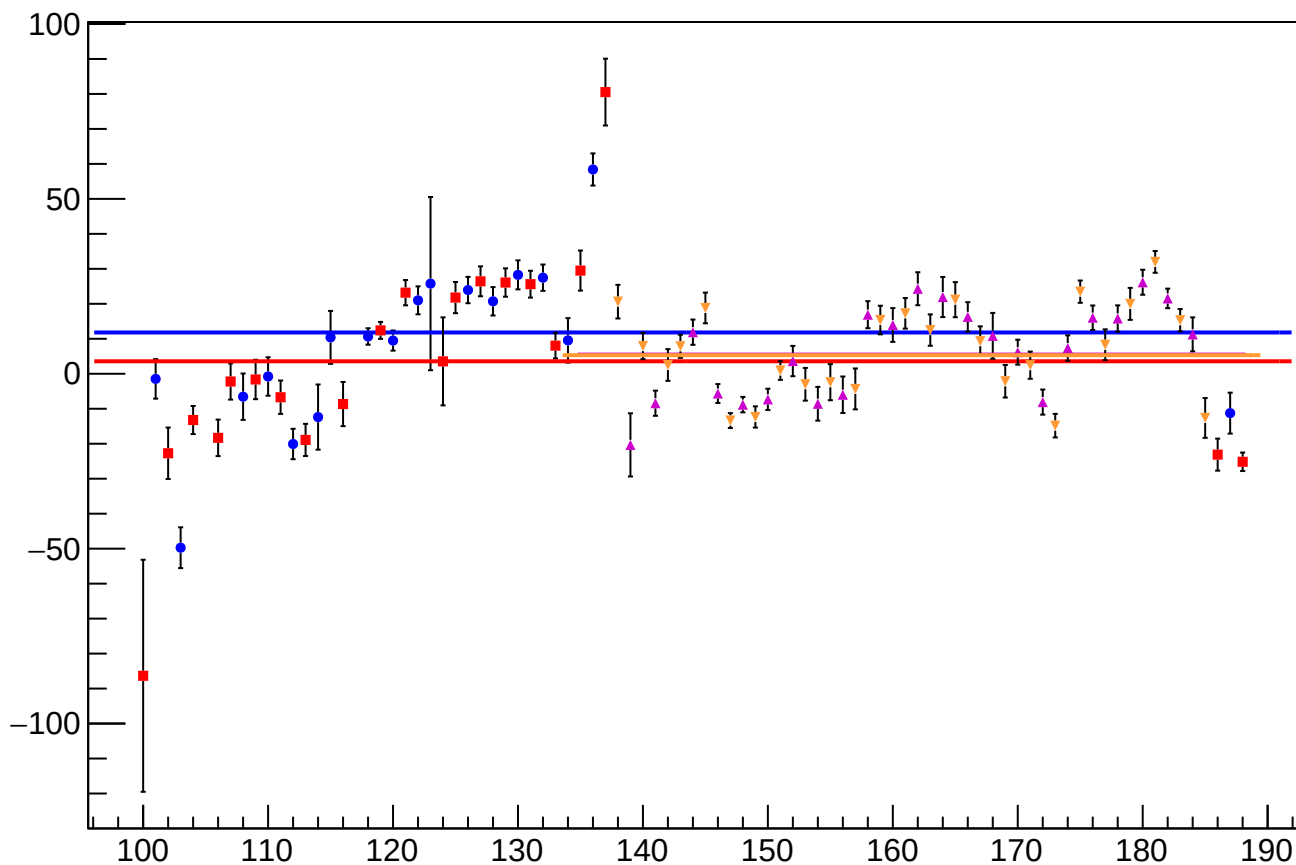
reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 216.242 $\pm$ 3.631 χ^2 /NDF: 0.0/0
 Left Out: 174.613 $\pm$ 0.969 χ^2 /NDF:5551.3/24
 Right Out: 225.449 $\pm$ 1.665 χ^2 /NDF: 20.4/1
 Left In: 184.205 $\pm$ 0.987 χ^2 /NDF:3637.1/22

Left: 179.321 $\pm$ 0.691 χ^2 /NDF: 9236.5/47
 Right: 223.849 $\pm$ 1.513 χ^2 /NDF: 25.7/2
 In: 186.409 $\pm$ 0.952 χ^2 /NDF:3709.6/23
 Out: 187.475 $\pm$ 0.837 χ^2 /NDF:6268.1/26
 All: 187.010 $\pm$ 0.629 χ^2 /NDF: 9978.4/50

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 11.811+/-1.039 χ^2/NDF : 363.8/17

Left Out: 5.314+/-0.750 χ^2/NDF :345.1/24

Right Out: 3.568+/-0.955 χ^2/NDF : 480.7/20

Left In: 5.483+/-0.779 χ^2/NDF :259.1/22

Left: 5.396+/-0.540 χ^2/NDF : 604.2/47

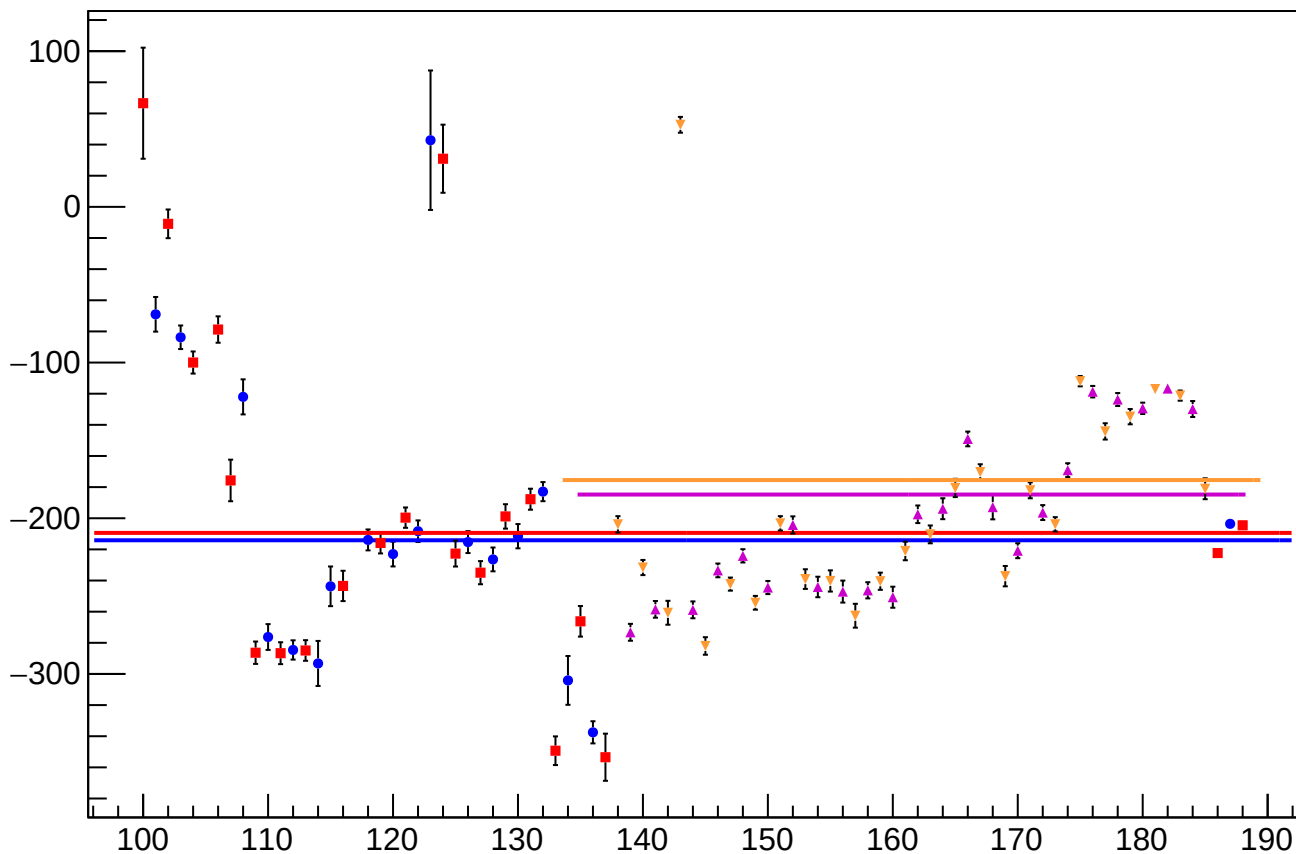
Right: 7.342+/-0.703 χ^2/NDF : 878.6/38

In: 7.760+/-0.623 χ^2/NDF :646.6/40

Out: 4.647+/-0.590 χ^2/NDF :827.9/45

All: 6.119+/-0.428 χ^2/NDF : 1487.6/86

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -214.147 ± 1.665 χ^2/NDF : 1164.8/17

Left Out: -175.470 ± 0.974 χ^2/NDF : 5103.8/24

Right Out: -209.401 ± 1.098 χ^2/NDF : 1917.8/20

Left In: -184.774 ± 0.987 χ^2/NDF : 3082.4/22

Left: -180.060 ± 0.693 χ^2/NDF : 8231.2/47

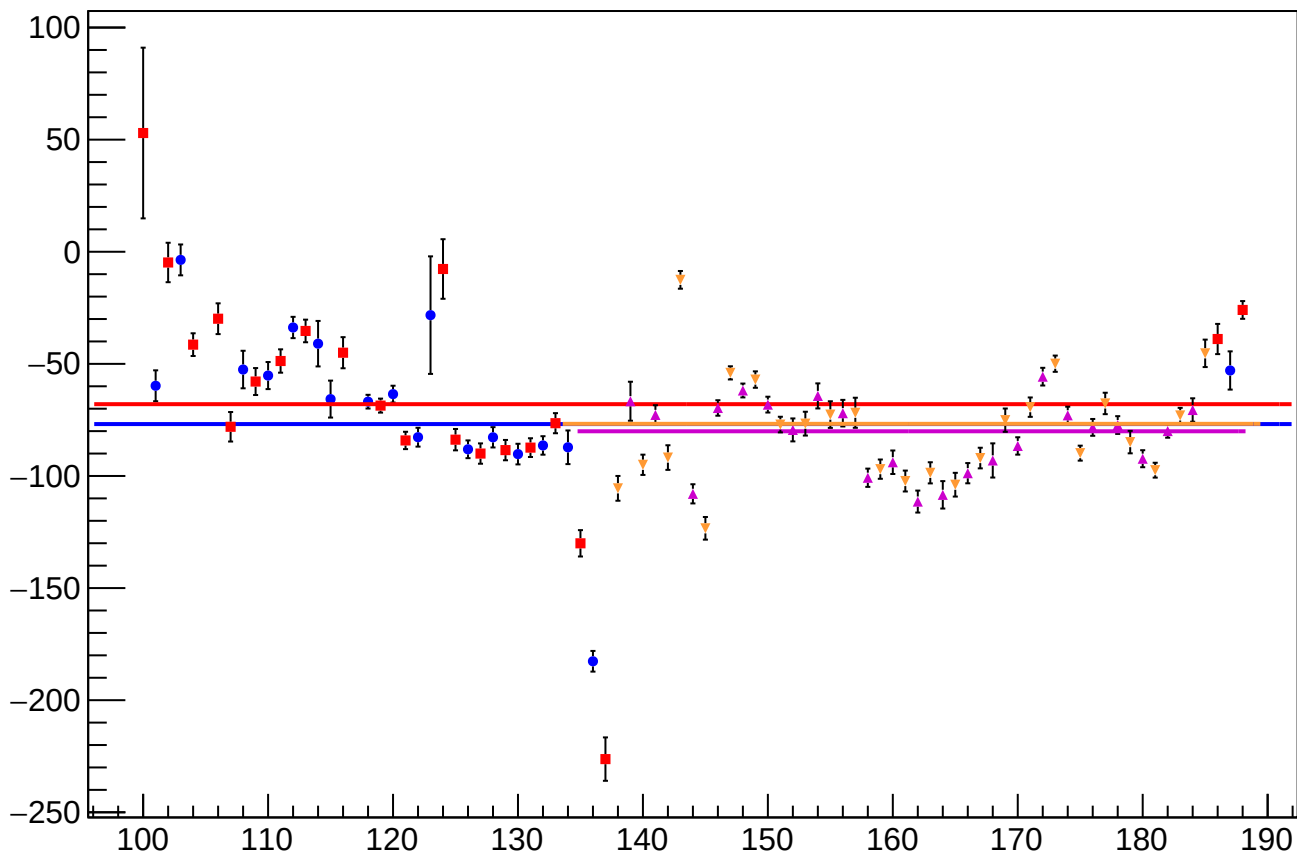
Right: -210.840 ± 0.917 χ^2/NDF : 3088.3/38

In: -192.412 ± 0.849 χ^2/NDF : 4477.6/40

Out: -190.409 ± 0.729 χ^2/NDF : 7556.1/45

All: -191.259 ± 0.553 χ^2/NDF : 12036.9/86

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -76.853 ± 1.207 $\chi^2/\text{NDF}: 825.3/17$

Left Out: -76.747 ± 0.861 $\chi^2/\text{NDF}: 746.8/24$

Right Out: -67.977 ± 1.139 $\chi^2/\text{NDF}: 820.6/20$

Left In: -80.068 ± 0.886 $\chi^2/\text{NDF}: 286.8/22$

Left: -78.359 ± 0.617 $\chi^2/\text{NDF}: 1040.8/47$

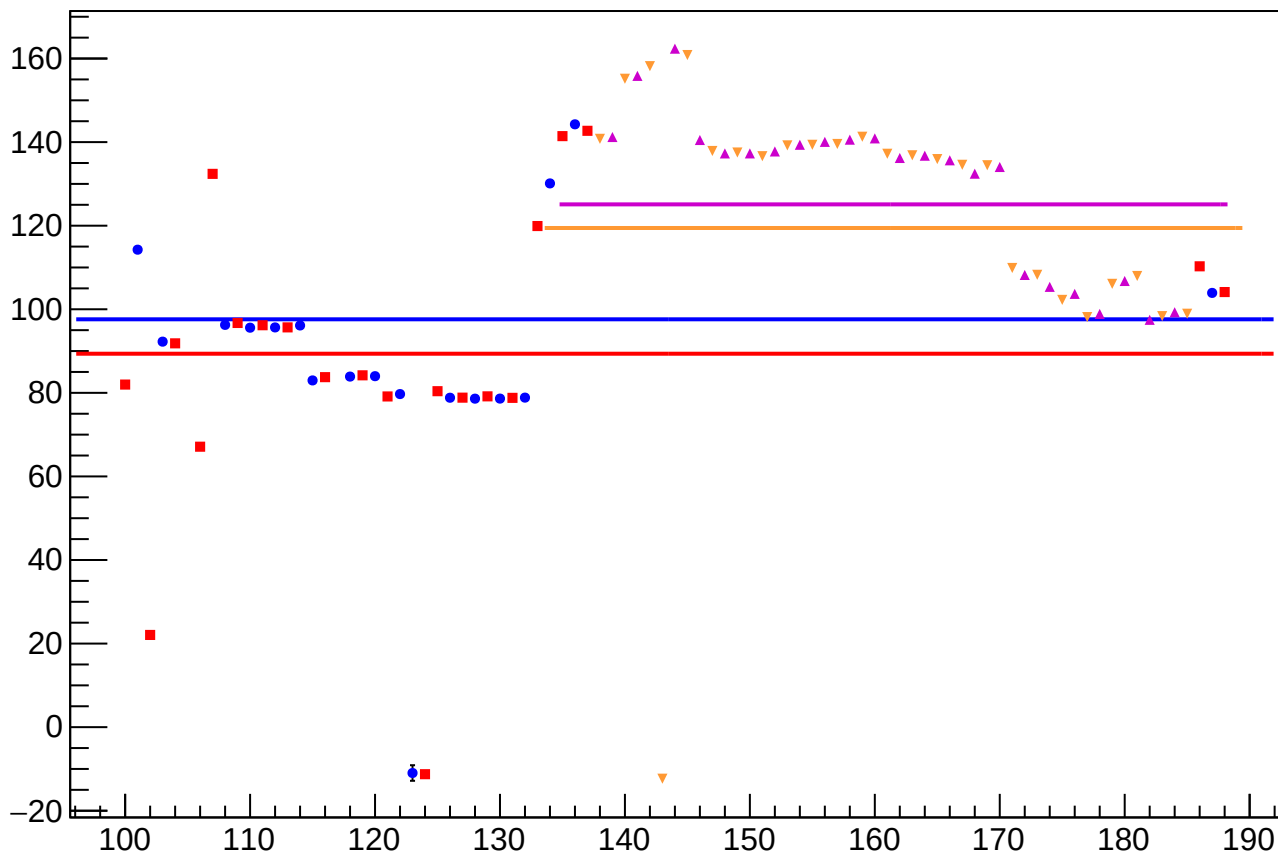
Right: -72.158 ± 0.828 $\chi^2/\text{NDF}: 1674.4/38$

In: -78.942 ± 0.714 $\chi^2/\text{NDF}: 1116.7/40$

Out: -73.560 ± 0.687 $\chi^2/\text{NDF}: 1605.1/45$

All: -76.145 ± 0.495 $\chi^2/\text{NDF}: 2751.3/86$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.598 $\pm$ 0.072 χ^2 /NDF: 94652.6/17

Left Out: 119.448 $\pm$ 0.041 χ^2 /NDF: 660075.8/24

Right Out: 89.363 $\pm$ 0.064 χ^2 /NDF: 229787.9/20

Left In: 125.101 $\pm$ 0.041 χ^2 /NDF: 222793.3/22

Left: 122.242 $\pm$ 0.029 χ^2 /NDF: 892441.6/47

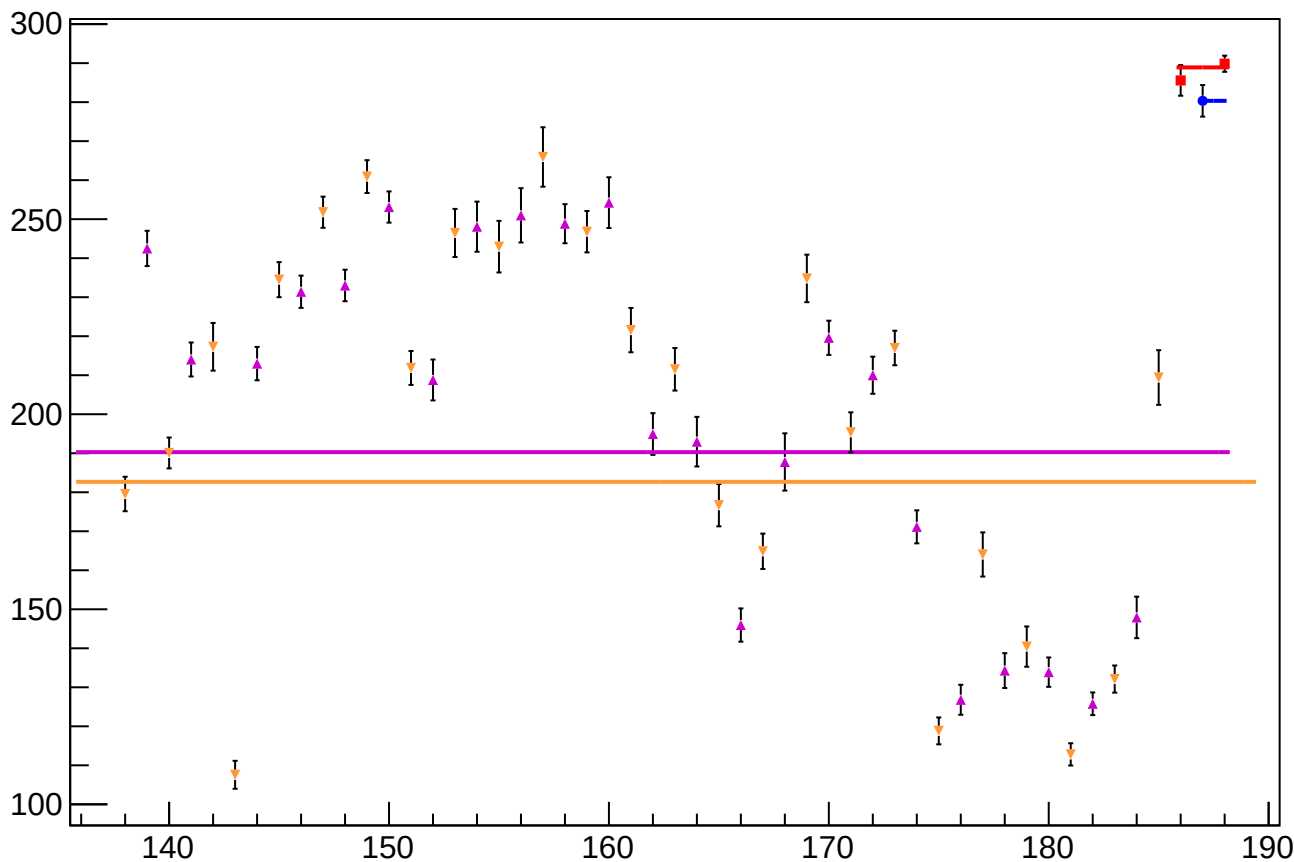
Right: 92.985 $\pm$ 0.048 χ^2 /NDF: 331681.1/38

In: 118.403 $\pm$ 0.036 χ^2 /NDF: 426515.7/40

Out: 110.843 $\pm$ 0.034 χ^2 /NDF: 1046715.7/45

All: 114.470 $\pm$ 0.025 χ^2 /NDF: 1496503.6/86

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 280.334 $\pm$ 4.047 χ^2 /NDF: 0.0/0

Left Out: 182.672 $\pm$ 0.919 χ^2 /NDF:3230.7/24

Right Out: 288.913 $\pm$ 1.829 χ^2 /NDF: 0.9/1

Left In: 190.279 $\pm$ 0.949 χ^2 /NDF:2452.9/22

Left: 186.352 $\pm$ 0.660 χ^2 /NDF: 5716.7/47

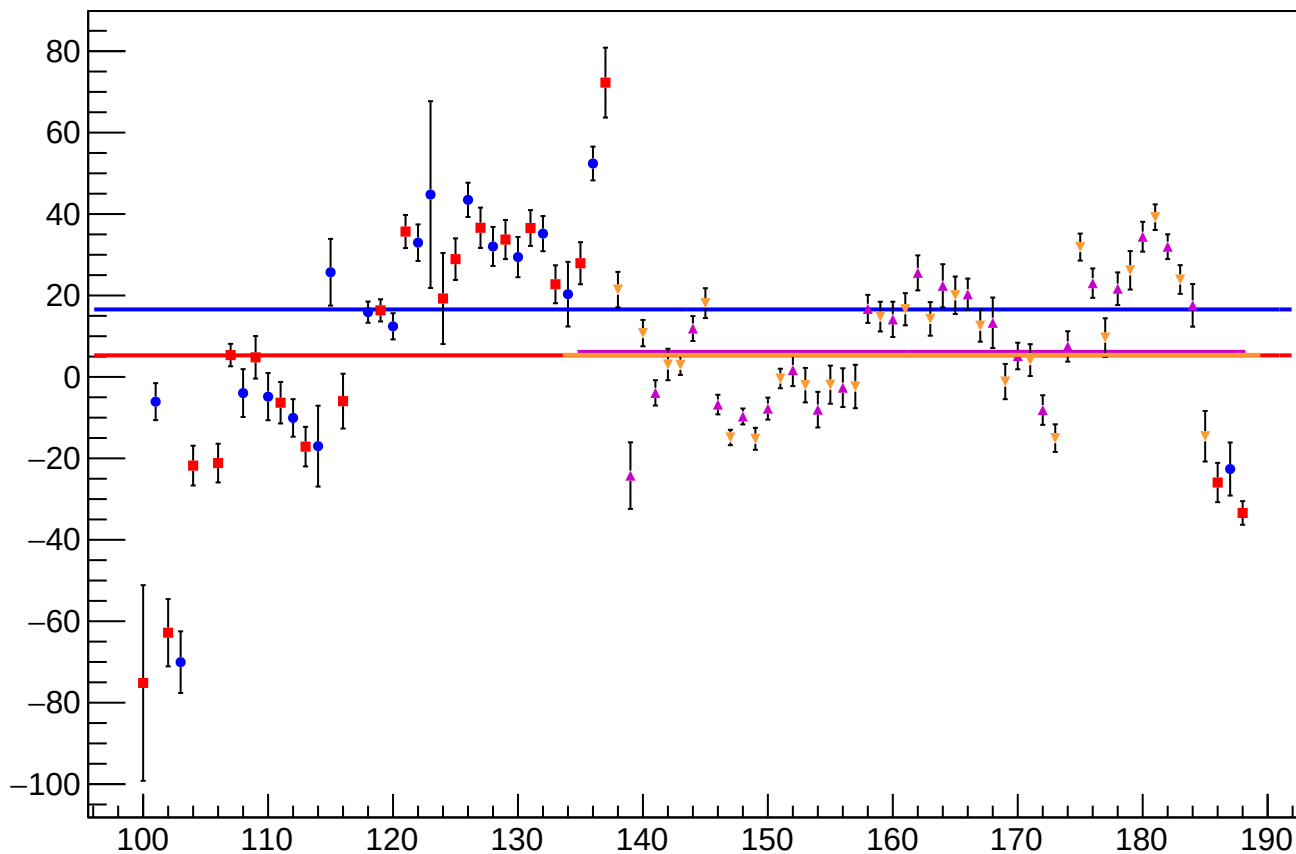
Right: 287.458 $\pm$ 1.667 χ^2 /NDF: 4.7/2

In: 194.972 $\pm$ 0.924 χ^2 /NDF:2922.2/23

Out: 204.069 $\pm$ 0.821 χ^2 /NDF:5926.0/26

All: 200.056 $\pm$ 0.614 χ^2 /NDF: 8902.5/50

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.573+/-1.129 χ^2/NDF : 432.4/17

Left Out: 5.425+/-0.693 χ^2/NDF : 525.2/24

Right Out: 5.301+/-0.995 χ^2/NDF : 704.7/20

Left In: 6.151+/-0.730 χ^2/NDF : 410.6/22

Left: 5.769+/-0.502 χ^2/NDF : 936.2/47

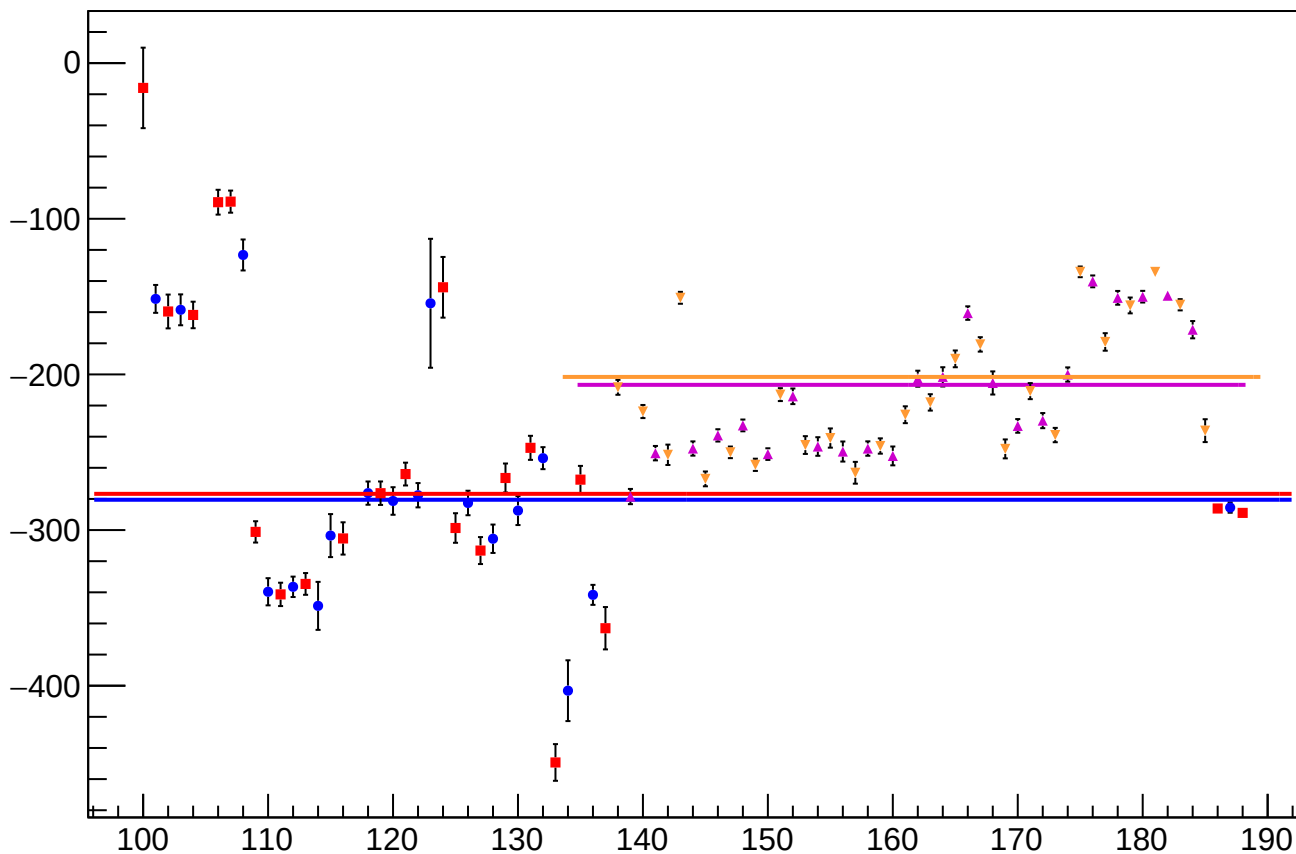
Right: 10.230+/-0.747 χ^2/NDF : 1193.3/38

In: 9.223+/-0.613 χ^2/NDF : 903.1/40

Out: 5.385+/-0.569 χ^2/NDF : 1229.9/45

All: 7.159+/-0.417 χ^2/NDF : 2154.1/86

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -280.527 ± 1.816 χ^2/NDF : 913.8/17

Left Out: -201.610 ± 0.922 χ^2/NDF : 2462.4/24

Right Out: -276.729 ± 1.187 χ^2/NDF : 2220.7/20

Left In: -206.700 ± 0.946 χ^2/NDF : 2134.9/22

Left: -204.091 ± 0.660 χ^2/NDF : 4612.2/47

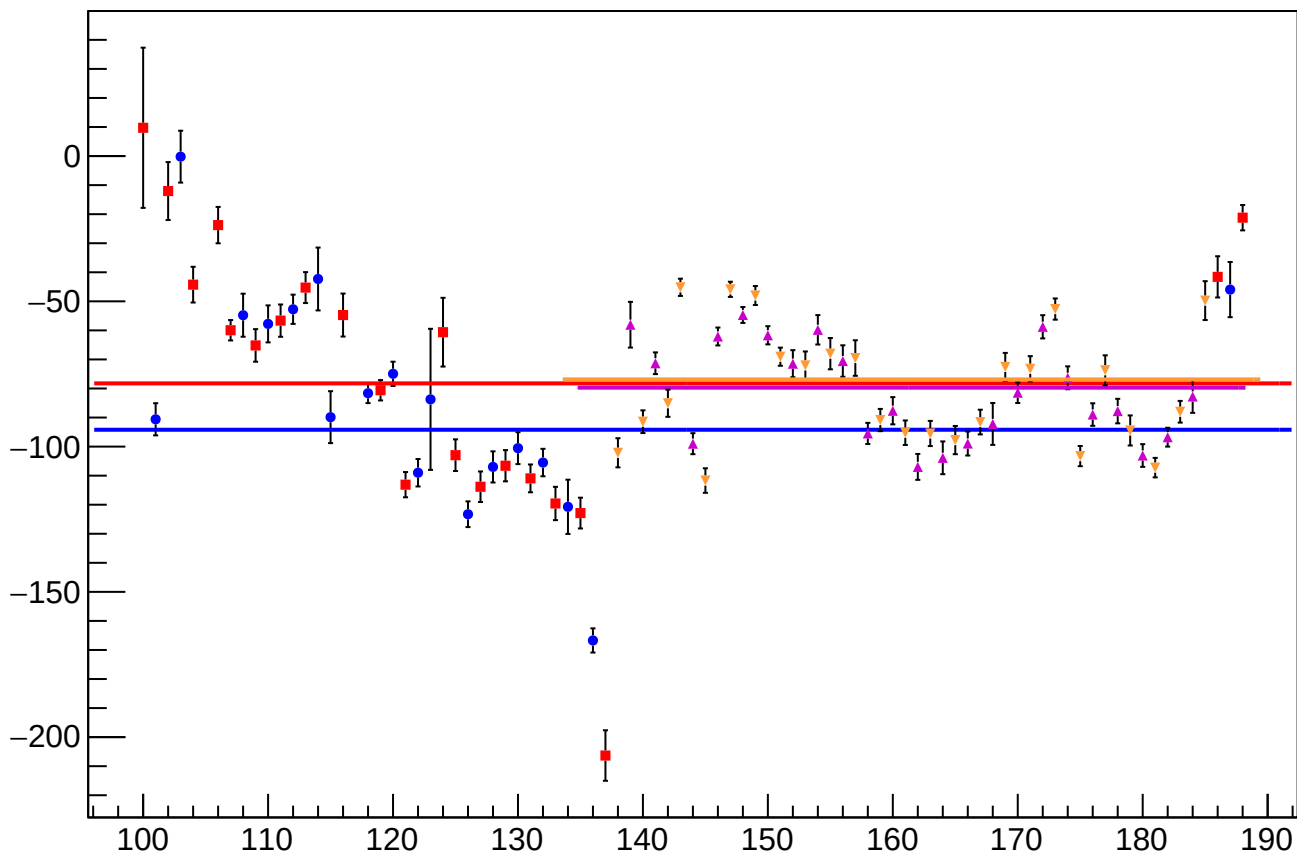
Right: -277.866 ± 0.994 χ^2/NDF : 3137.6/38

In: -222.464 ± 0.839 χ^2/NDF : 4348.9/40

Out: -229.896 ± 0.728 χ^2/NDF : 7180.2/45

All: -226.702 ± 0.550 χ^2/NDF : 11573.8/86

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -94.200 ± 1.310 χ^2/NDF : 701.2/17

Left Out: -76.870 ± 0.802 χ^2/NDF : 758.7/24

Right Out: -78.236 ± 1.192 χ^2/NDF : 1001.9/20

Left In: -79.719 ± 0.837 χ^2/NDF : 415.2/22

Left: -78.232 ± 0.579 χ^2/NDF : 1179.9/47

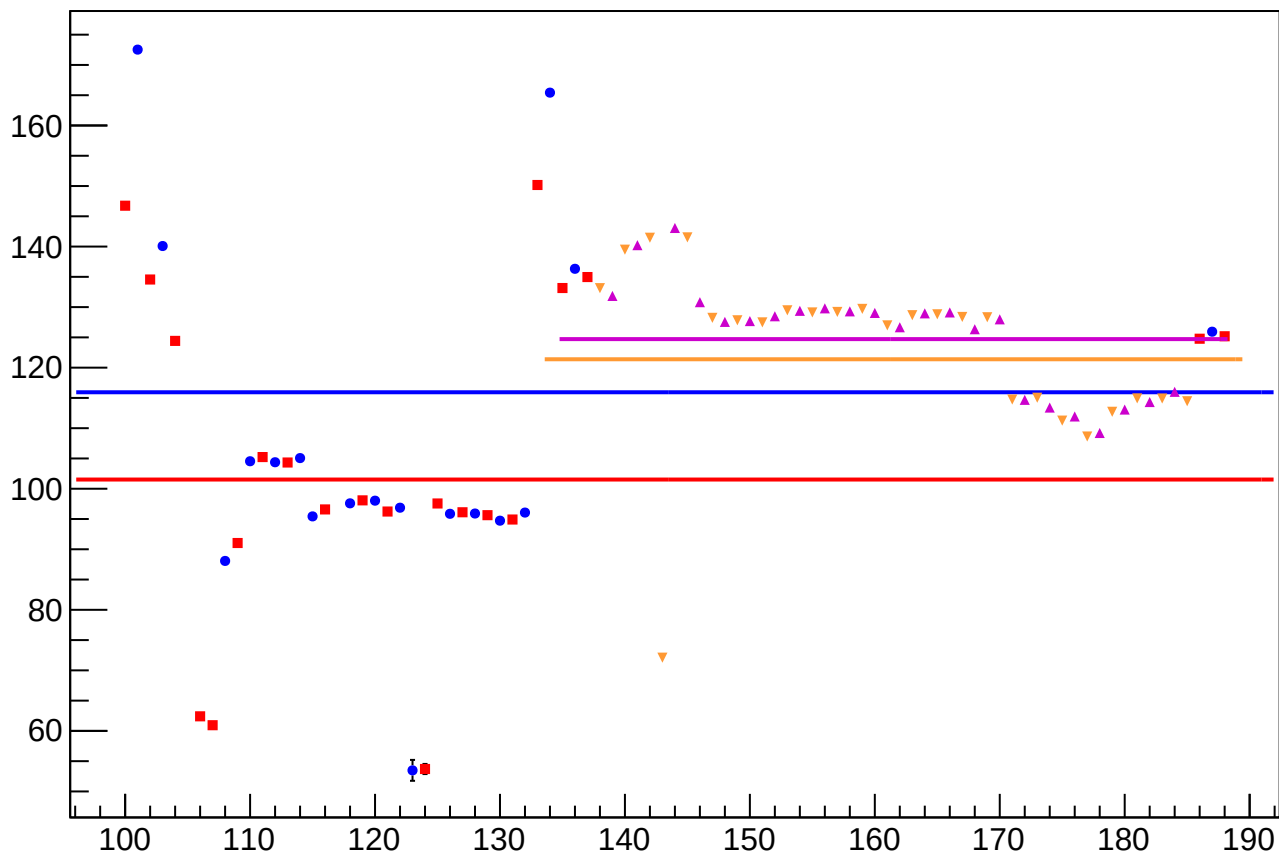
Right: -85.469 ± 0.882 χ^2/NDF : 1784.3/38

In: -83.921 ± 0.706 χ^2/NDF : 1203.1/40

Out: -77.295 ± 0.665 χ^2/NDF : 1761.5/45

All: -80.413 ± 0.484 χ^2/NDF : 3011.4/86

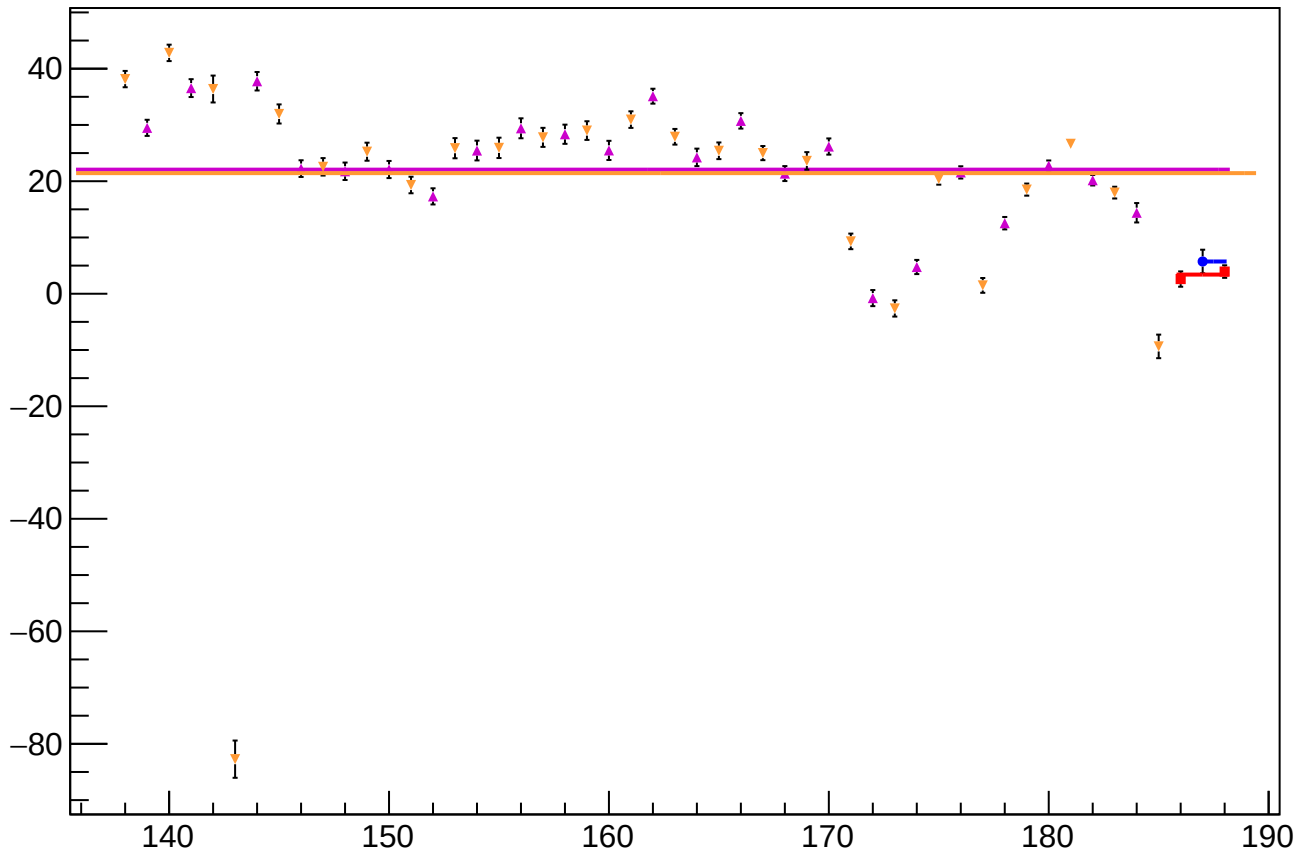
reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.934+/-0.077 χ^2/NDF : 106741.9/17
 Left Out: 121.385+/-0.038 χ^2/NDF :164871.1/24
 Right Out: 101.519+/-0.065 χ^2/NDF : 187184.7/20
 Left In: 124.714+/-0.039 χ^2/NDF :51750.7/22

Left: 123.014+/-0.027 χ^2/NDF : 220328.2/47
 Right: 107.521+/-0.050 χ^2/NDF : 314290.6/38
 In: 122.922+/-0.035 χ^2/NDF :168794.5/40
 Out: 116.295+/-0.033 χ^2/NDF :421153.5/45
 All: 119.426+/-0.024 χ^2/NDF : 609010.3/86

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 5.730 $\pm$ 2.097 χ^2 /NDF: 0.0/0

Left Out: 21.435 $\pm$ 0.283 χ^2 /NDF:2406.2/24

Right Out: 3.405 $\pm$ 0.862 χ^2 /NDF: 0.6/1

Left In: 22.055 $\pm$ 0.284 χ^2 /NDF:941.3/22

Left: 21.743 $\pm$ 0.200 χ^2 /NDF: 3349.9/47

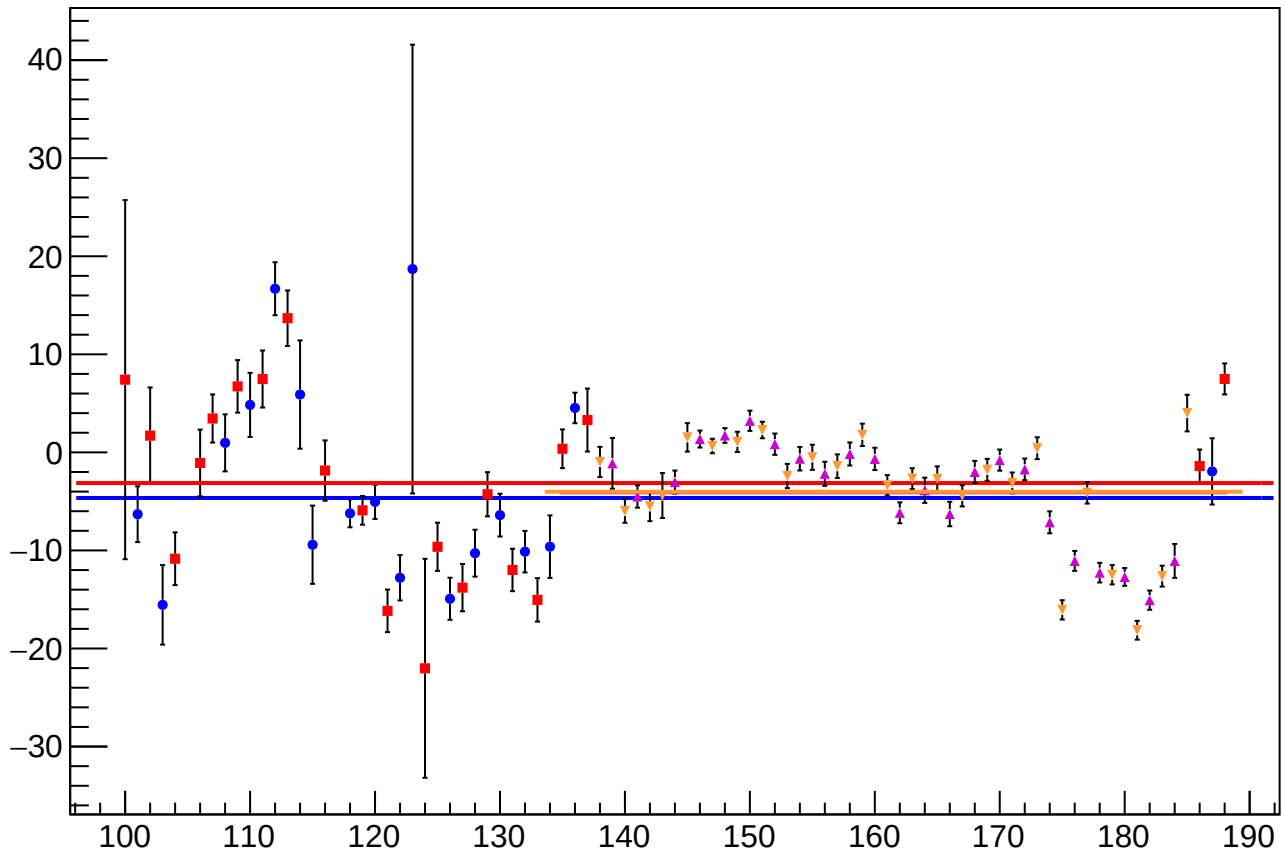
Right: 3.741 $\pm$ 0.797 χ^2 /NDF: 1.6/2

In: 21.760 $\pm$ 0.282 χ^2 /NDF:1000.8/23

Out: 19.685 $\pm$ 0.269 χ^2 /NDF:2801.8/26

All: 20.673 $\pm$ 0.194 χ^2 /NDF: 3831.1/50

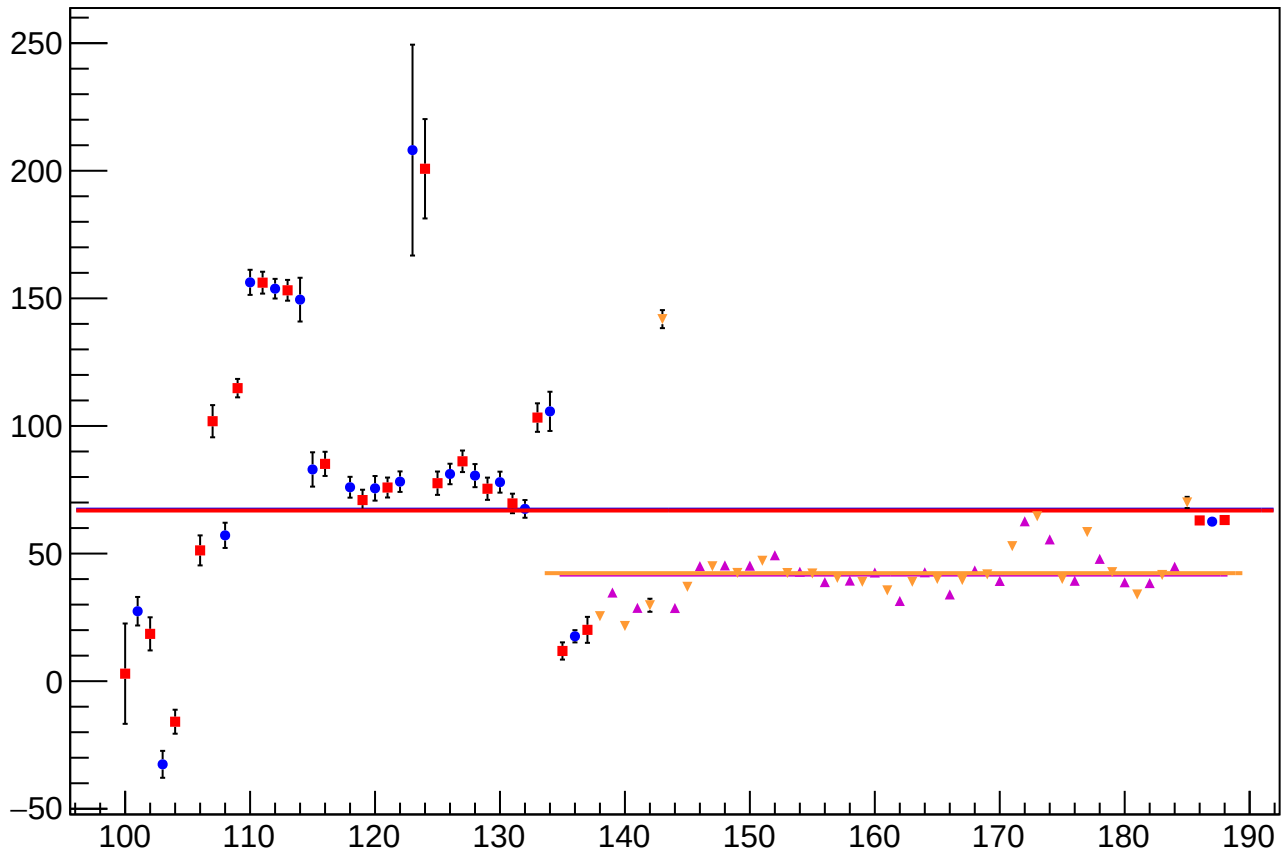
reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.650 ± 0.571 $\chi^2/\text{NDF}: 175.5/17$
 Left Out: -4.015 ± 0.223 $\chi^2/\text{NDF}: 731.7/24$
 Right Out: -3.127 ± 0.522 $\chi^2/\text{NDF}: 247.7/20$
 Left In: -4.069 ± 0.227 $\chi^2/\text{NDF}: 580.1/22$

Left: -4.042 ± 0.159 $\chi^2/\text{NDF}: 1311.8/47$
 Right: -3.821 ± 0.385 $\chi^2/\text{NDF}: 427.1/38$
 In: -4.149 ± 0.211 $\chi^2/\text{NDF}: 756.5/40$
 Out: -3.878 ± 0.205 $\chi^2/\text{NDF}: 981.8/45$
 All: -4.009 ± 0.147 $\chi^2/\text{NDF}: 1739.1/86$

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 67.214 $\pm$ 0.913 χ^2 /NDF: 1858.2/17

Left Out: 42.322 $\pm$ 0.282 χ^2 /NDF:1855.5/24

Right Out: 66.872 $\pm$ 0.582 χ^2 /NDF: 1995.8/20

Left In: 41.755 $\pm$ 0.283 χ^2 /NDF:659.6/22

Left: 42.039 $\pm$ 0.200 χ^2 /NDF: 2517.1/47

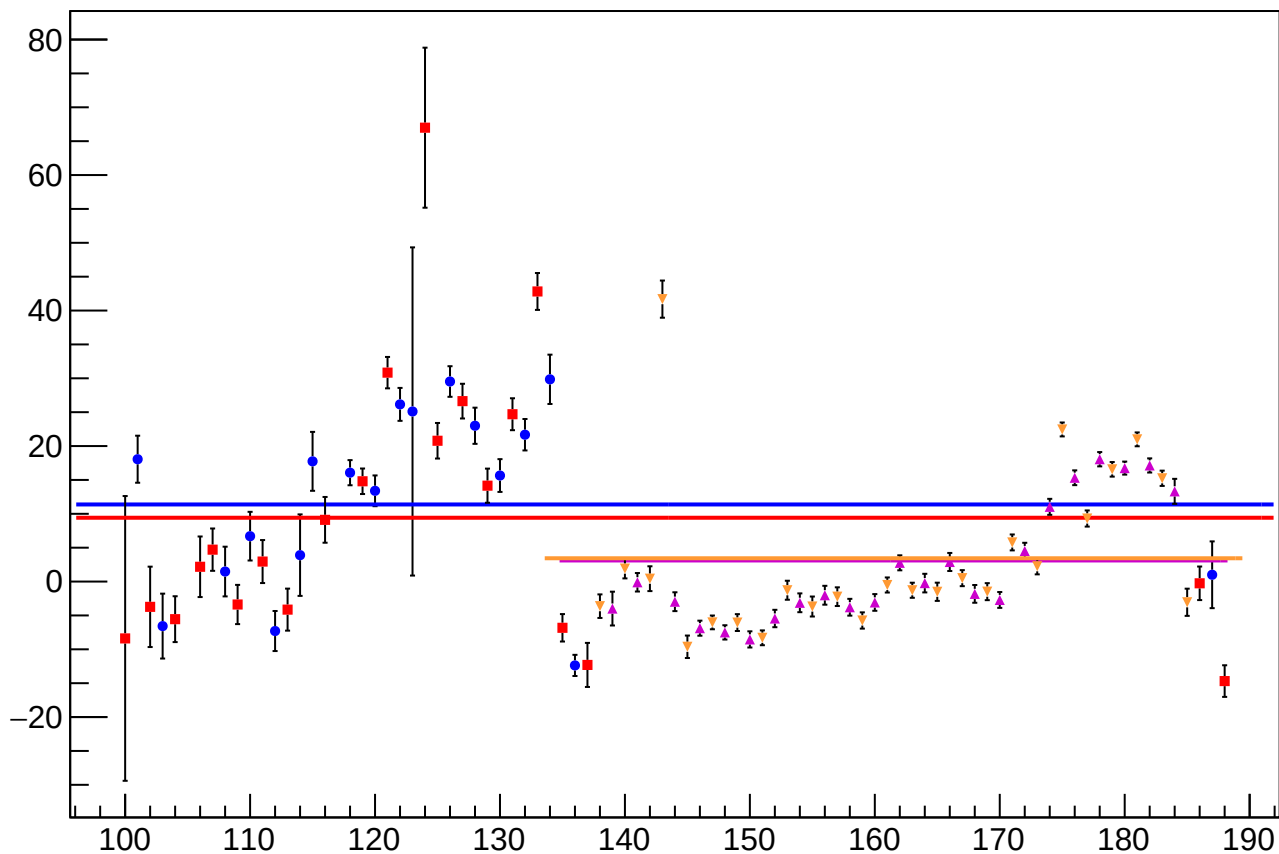
Right: 66.970 $\pm$ 0.491 χ^2 /NDF: 3854.1/38

In: 43.986 $\pm$ 0.270 χ^2 /NDF:3227.1/40

Out: 46.990 $\pm$ 0.254 χ^2 /NDF:5291.4/45

All: 45.582 $\pm$ 0.185 χ^2 /NDF: 8584.1/86

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.380+/-0.652 χ^2/NDF : 482.7/17

Left Out: 3.439+/-0.252 χ^2/NDF : 1647.7/24

Right Out: 9.420+/-0.619 χ^2/NDF : 681.2/20

Left In: 3.114+/-0.256 χ^2/NDF : 1273.1/22

Left: 3.279+/-0.180 χ^2/NDF : 2921.5/47

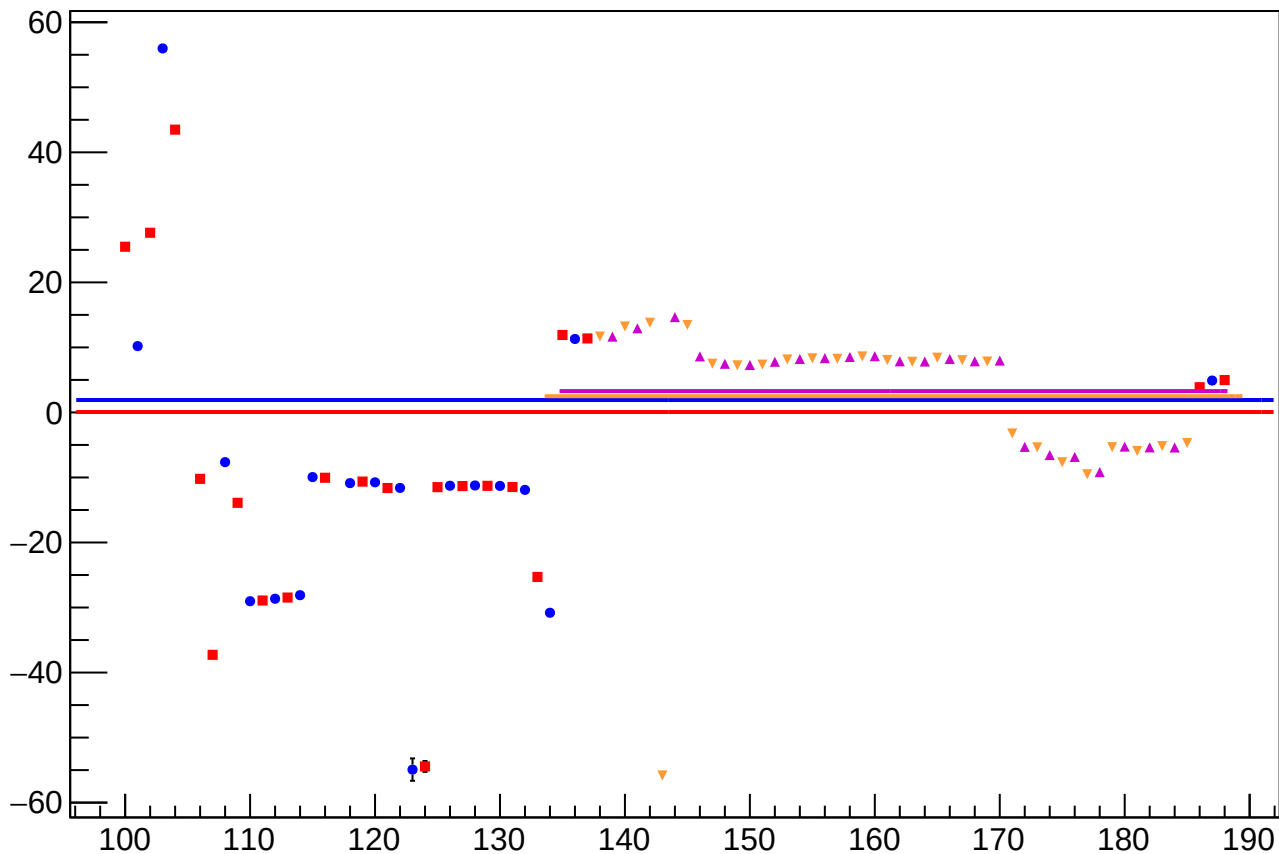
Right: 10.348+/-0.449 χ^2/NDF : 1168.7/38

In: 4.219+/-0.239 χ^2/NDF : 1894.9/40

Out: 4.293+/-0.234 χ^2/NDF : 2408.9/45

All: 4.257+/-0.167 χ^2/NDF : 4303.8/86

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.909 $\pm$ 0.037 χ^2 /NDF: 359532.7/17

Left Out: 2.497 $\pm$ 0.012 χ^2 /NDF: 588138.5/24

Right Out: 0.064 $\pm$ 0.034 χ^2 /NDF: 364386.1/20

Left In: 3.281 $\pm$ 0.012 χ^2 /NDF: 409605.3/22

Left: 2.888 $\pm$ 0.008 χ^2 /NDF: 1000035.7/47

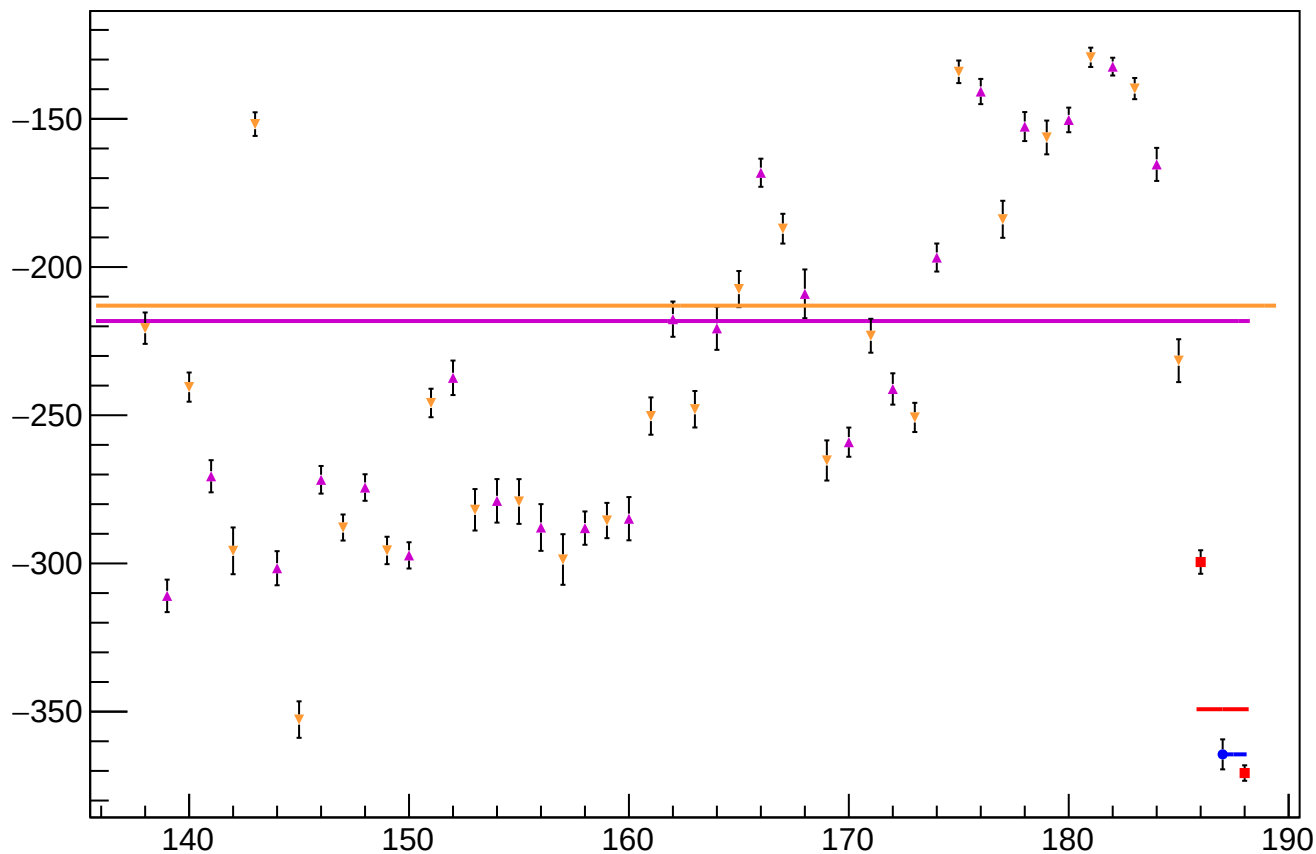
Right: 0.930 $\pm$ 0.025 χ^2 /NDF: 725261.5/38

In: 3.156 $\pm$ 0.011 χ^2 /NDF: 770411.1/40

Out: 2.251 $\pm$ 0.011 χ^2 /NDF: 956996.9/45

All: 2.699 $\pm$ 0.008 χ^2 /NDF: 1730787.0/86

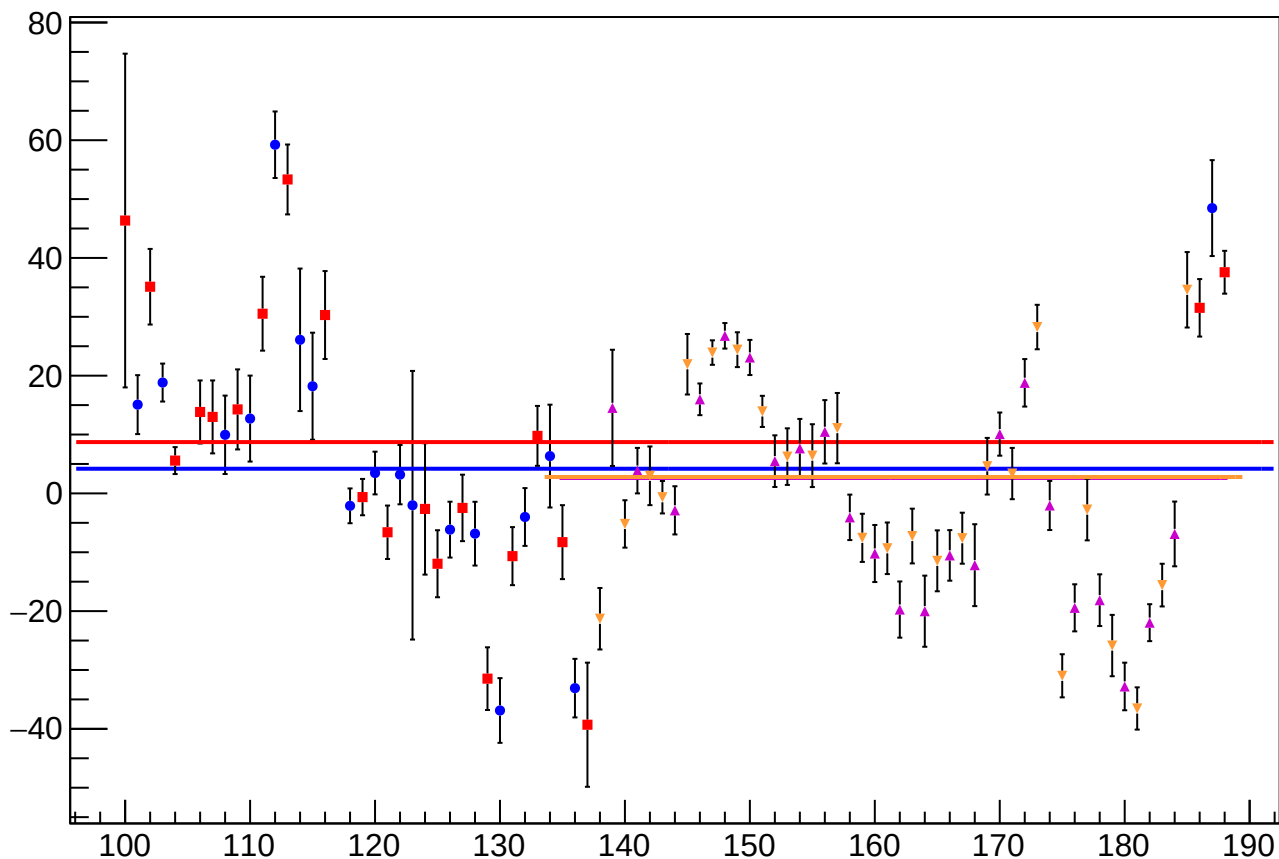
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -364.416 ± 5.062 χ^2/NDF : 0.0/0
 Left Out: -213.020 ± 1.035 χ^2/NDF : 3826.2/24
 Right Out: -349.188 ± 2.182 χ^2/NDF : 224.7/1
 Left In: -218.216 ± 1.063 χ^2/NDF : 3499.0/22

Left: -215.550 ± 0.742 χ^2/NDF : 7337.5/47
 Right: -351.574 ± 2.004 χ^2/NDF : 232.3/2
 In: -224.390 ± 1.040 χ^2/NDF : 4298.0/23
 Out: -238.053 ± 0.935 χ^2/NDF : 7230.2/26
 All: -231.943 ± 0.696 χ^2/NDF : 11623.6/50

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.189 ± 1.212 $\chi^2/\text{NDF}: 285.8/17$

Left Out: 2.786 ± 0.780 $\chi^2/\text{NDF}: 582.0/24$

Right Out: 8.716 ± 1.078 $\chi^2/\text{NDF}: 323.4/20$

Left In: 2.619 ± 0.821 $\chi^2/\text{NDF}: 477.6/22$

Left: 2.707 ± 0.565 $\chi^2/\text{NDF}: 1059.7/47$

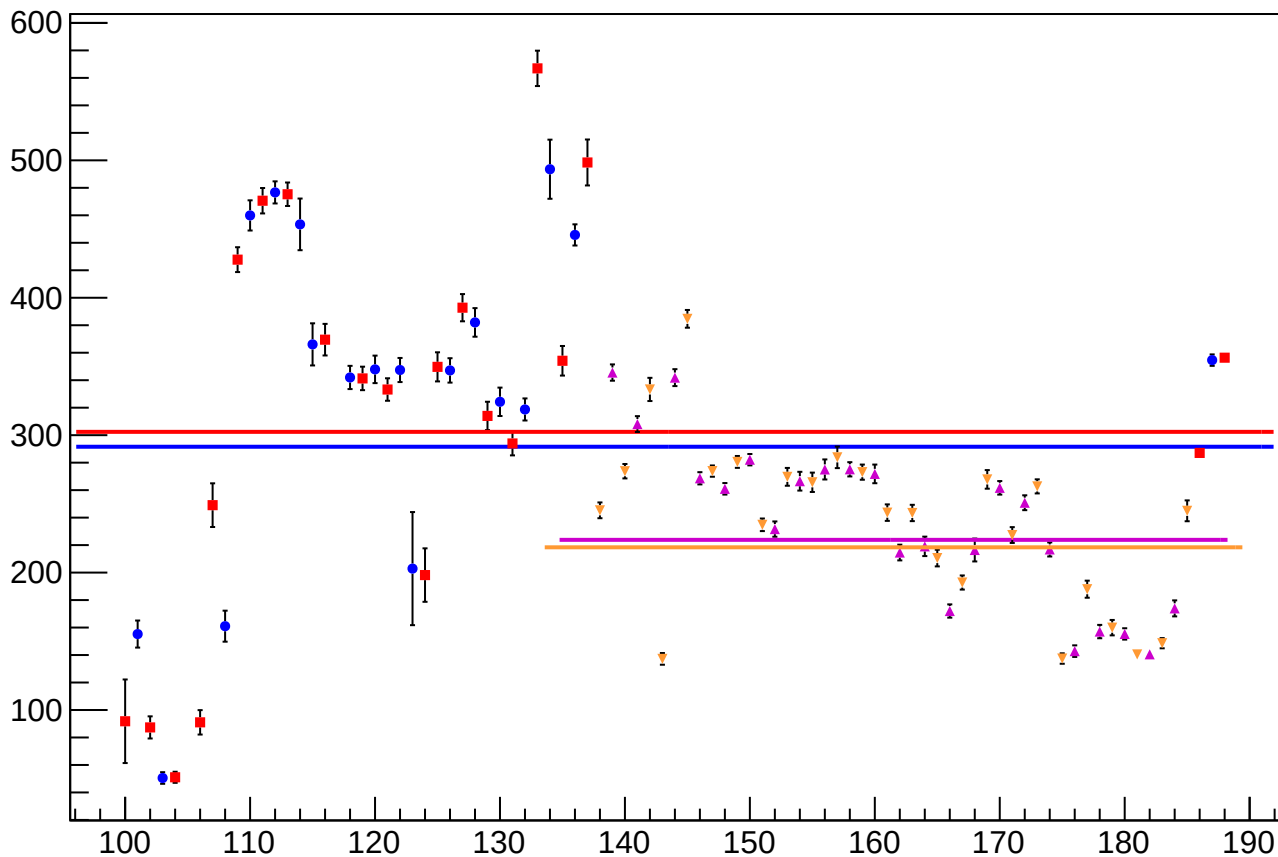
Right: 6.717 ± 0.805 $\chi^2/\text{NDF}: 617.0/38$

In: 3.113 ± 0.679 $\chi^2/\text{NDF}: 764.6/40$

Out: 4.825 ± 0.632 $\chi^2/\text{NDF}: 925.3/45$

All: 4.031 ± 0.463 $\chi^2/\text{NDF}: 1693.3/86$

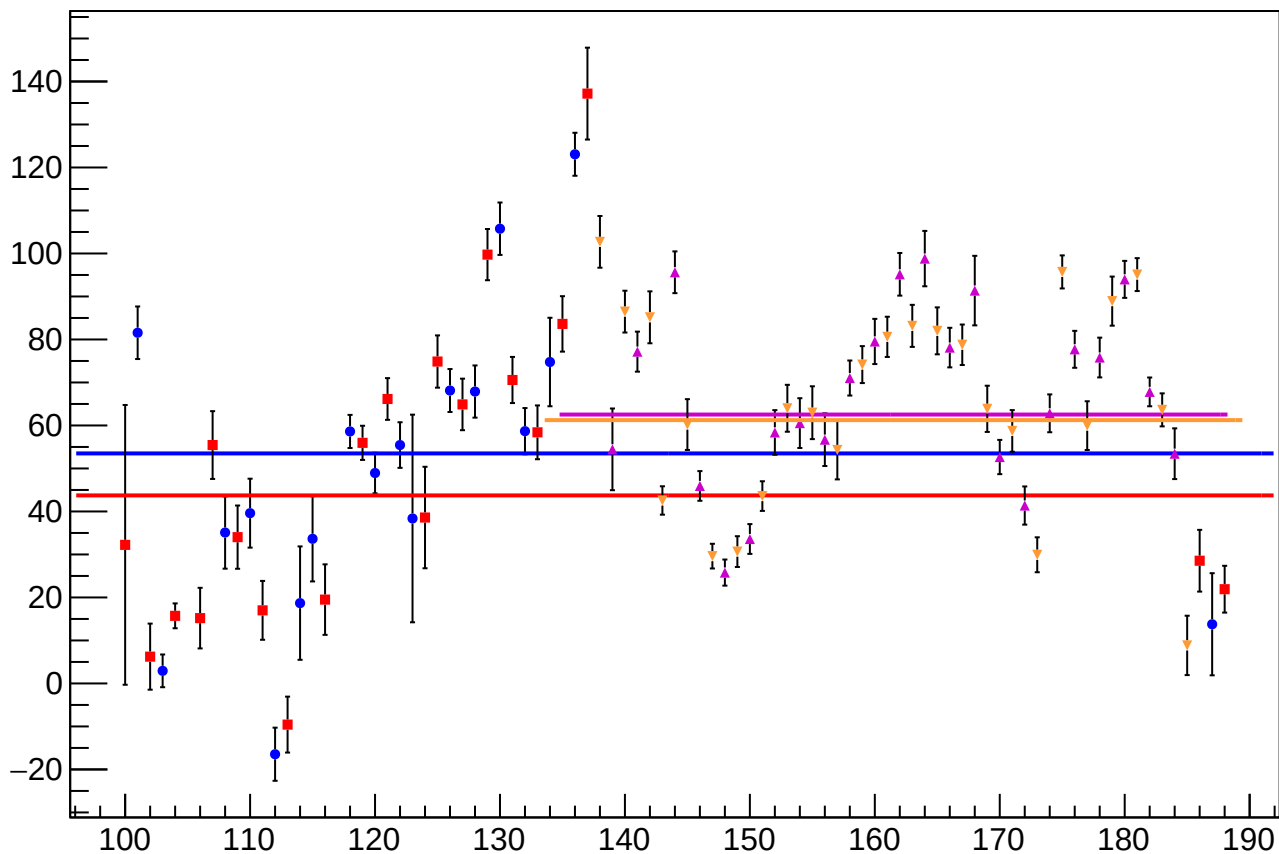
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 291.580 $\pm$ 1.938 χ^2/NDF : 5405.6/17
 Left Out: 218.389 $\pm$ 1.038 χ^2/NDF : 3696.7/24
 Right Out: 302.420 $\pm$ 1.339 χ^2/NDF : 7623.4/20
 Left In: 223.827 $\pm$ 1.058 χ^2/NDF : 3444.7/22

Left: 221.054 $\pm$ 0.741 χ^2/NDF : 7154.8/47
 Right: 298.918 $\pm$ 1.102 χ^2/NDF : 13050.2/38
 In: 239.389 $\pm$ 0.929 χ^2/NDF : 9791.4/40
 Out: 249.920 $\pm$ 0.820 χ^2/NDF : 13780.5/45
 All: 245.306 $\pm$ 0.615 χ^2/NDF : 23644.2/86

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.497 $\pm$ 1.410 χ^2 /NDF: 645.7/17

Left Out: 61.240 $\pm$ 0.903 χ^2 /NDF: 718.8/24

Right Out: 43.732 $\pm$ 1.297 χ^2 /NDF: 553.3/20

Left In: 62.538 $\pm$ 0.940 χ^2 /NDF: 520.0/22

Left: 61.862 $\pm$ 0.651 χ^2 /NDF: 1239.8/47

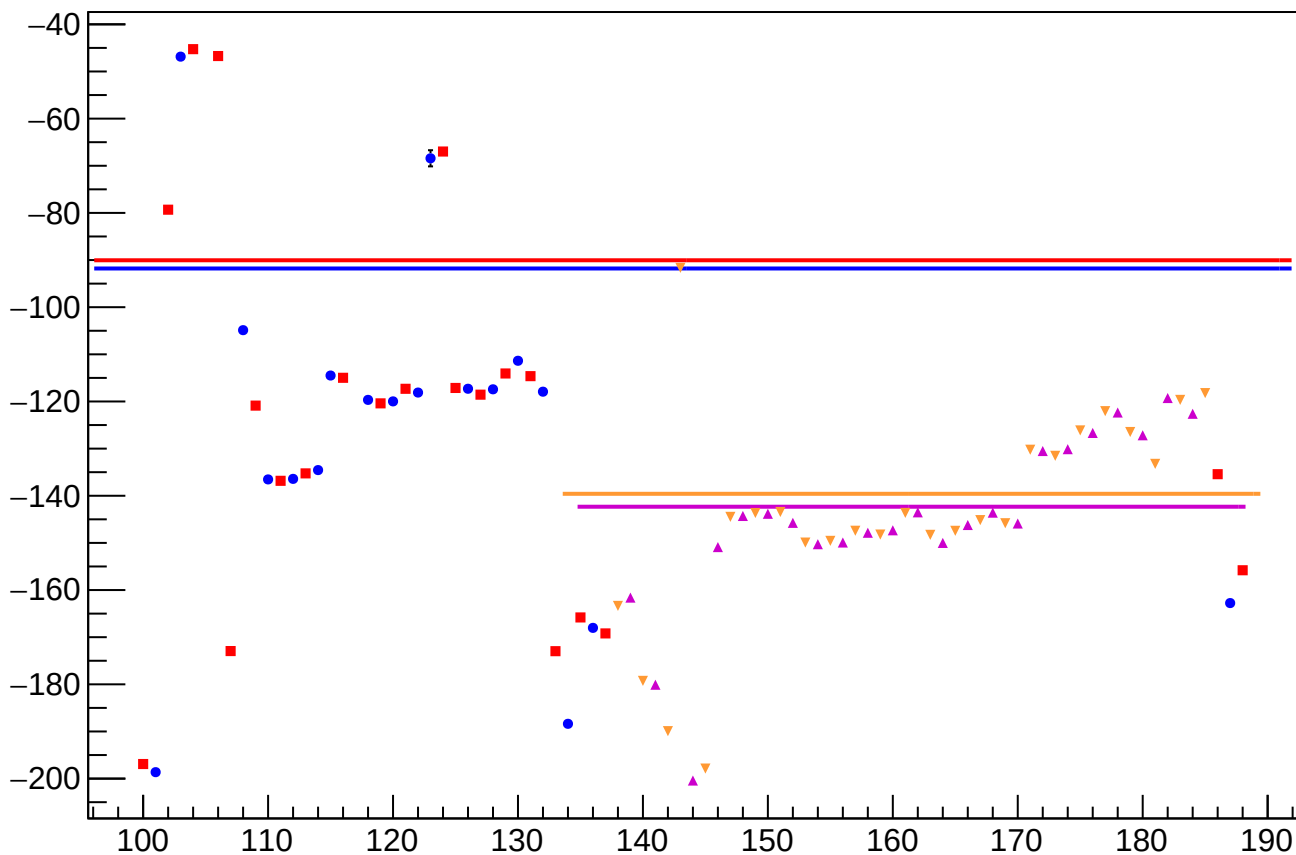
Right: 48.206 $\pm$ 0.955 χ^2 /NDF: 1225.0/38

In: 59.756 $\pm$ 0.782 χ^2 /NDF: 1194.2/40

Out: 55.527 $\pm$ 0.741 χ^2 /NDF: 1394.9/45

All: 57.526 $\pm$ 0.538 χ^2 /NDF: 2604.5/86

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -91.790 ± 0.067 $\chi^2/\text{NDF}: 545916.8/17$

Left Out: -139.585 ± 0.043 $\chi^2/\text{NDF}: 243895.1/24$

Right Out: -90.046 ± 0.063 $\chi^2/\text{NDF}: 562618.3/20$

Left In: -142.326 ± 0.044 $\chi^2/\text{NDF}: 144642.3/22$

Left: -140.930 ± 0.031 $\chi^2/\text{NDF}: 390521.6/47$

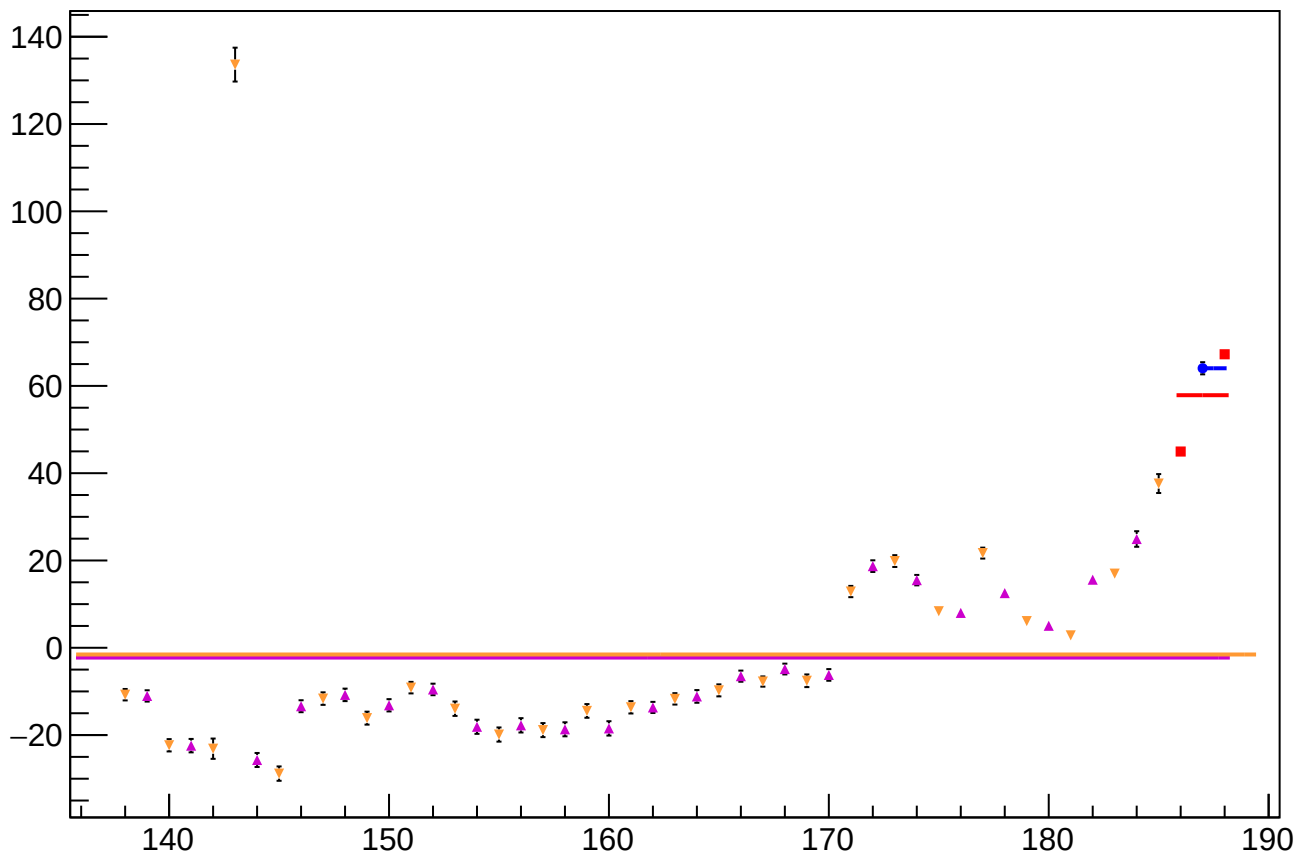
Right: -90.861 ± 0.046 $\chi^2/\text{NDF}: 1108894.2/38$

In: -127.204 ± 0.037 $\chi^2/\text{NDF}: 1086962.8/40$

Out: -123.755 ± 0.036 $\chi^2/\text{NDF}: 1228677.0/45$

All: -125.422 ± 0.026 $\chi^2/\text{NDF}: 2320189.8/86$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 64.039+/-1.393 χ^2/NDF : 0.0/0

Left Out: -1.540+/-0.268 χ^2/NDF : 4129.1/24

Right Out: 57.869+/-0.589 χ^2/NDF : 348.4/1

Left In: -2.244+/-0.270 χ^2/NDF : 2561.6/22

Left: -1.890+/-0.190 χ^2/NDF : 6694.2/47

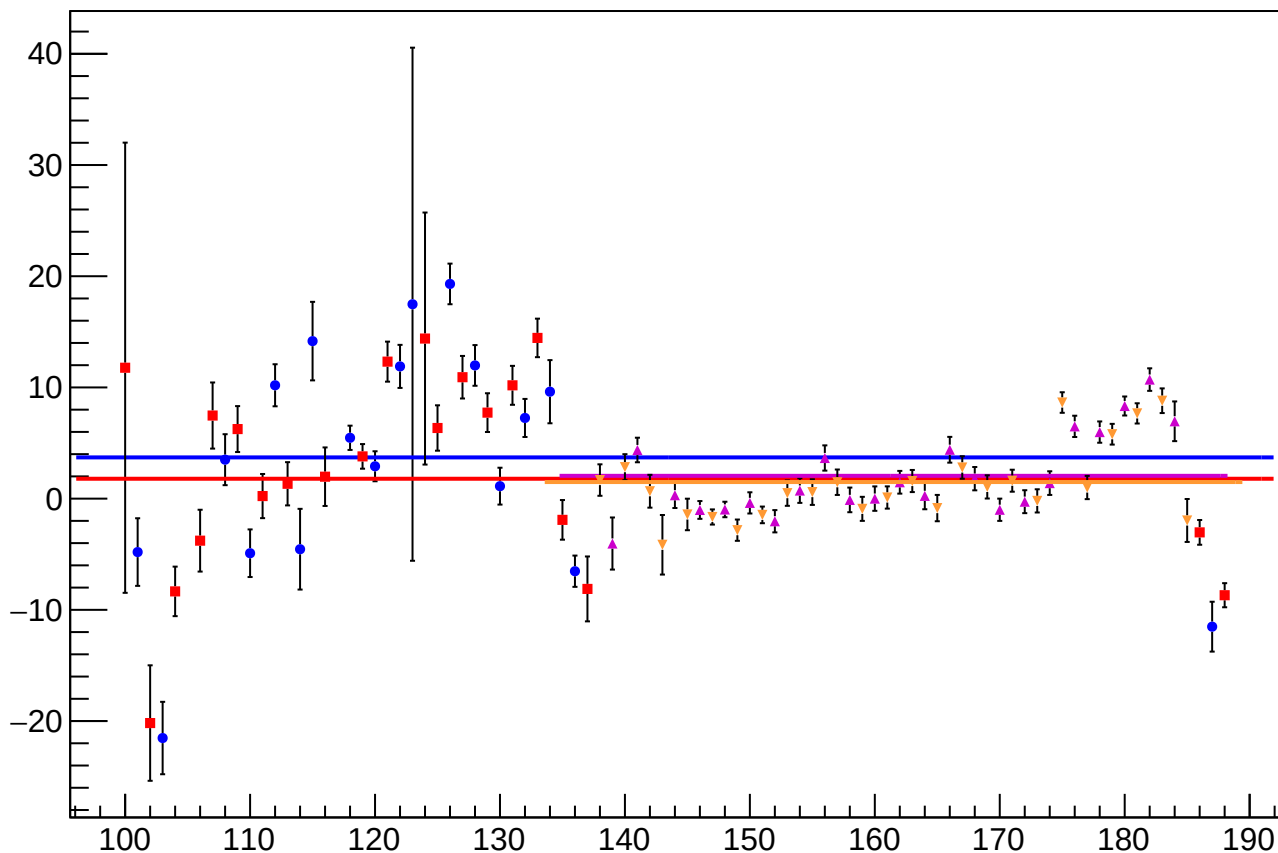
Right: 58.806+/-0.543 χ^2/NDF : 365.1/2

In: 0.149+/-0.265 χ^2/NDF : 4744.7/23

Out: 8.621+/-0.244 χ^2/NDF : 12899.9/26

All: 4.732+/-0.179 χ^2/NDF : 18199.1/50

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.708 ± 0.455 $\chi^2/\text{NDF}: 334.6/17$

Left Out: 1.492 ± 0.210 $\chi^2/\text{NDF}: 258.3/24$

Right Out: 1.788 ± 0.405 $\chi^2/\text{NDF}: 334.5/20$

Left In: 2.051 ± 0.215 $\chi^2/\text{NDF}: 275.4/22$

Left: 1.766 ± 0.150 $\chi^2/\text{NDF}: 537.2/47$

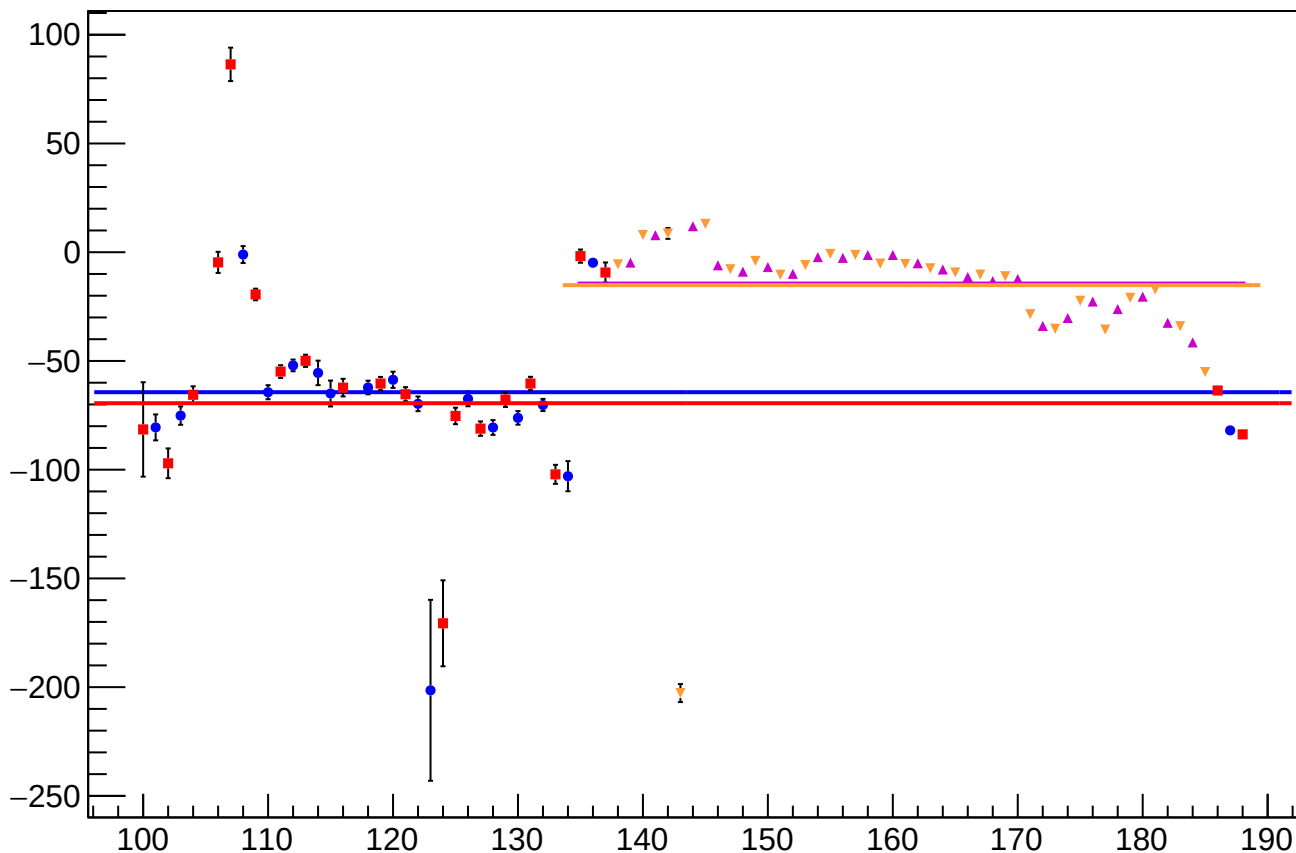
Right: 2.637 ± 0.302 $\chi^2/\text{NDF}: 679.0/38$

In: 2.354 ± 0.194 $\chi^2/\text{NDF}: 620.8/40$

Out: 1.555 ± 0.187 $\chi^2/\text{NDF}: 593.3/45$

All: 1.938 ± 0.135 $\chi^2/\text{NDF}: 1222.9/86$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -64.370 +/- 0.689 χ^2/NDF : 1382.6/17

Left Out: -15.140 +/- 0.267 χ^2/NDF : 4451.9/24

Right Out: -69.435 +/- 0.414 χ^2/NDF : 2409.7/20

Left In: -14.415 +/- 0.268 χ^2/NDF : 2065.7/22

Left: -14.779 +/- 0.189 χ^2/NDF : 6521.3/47

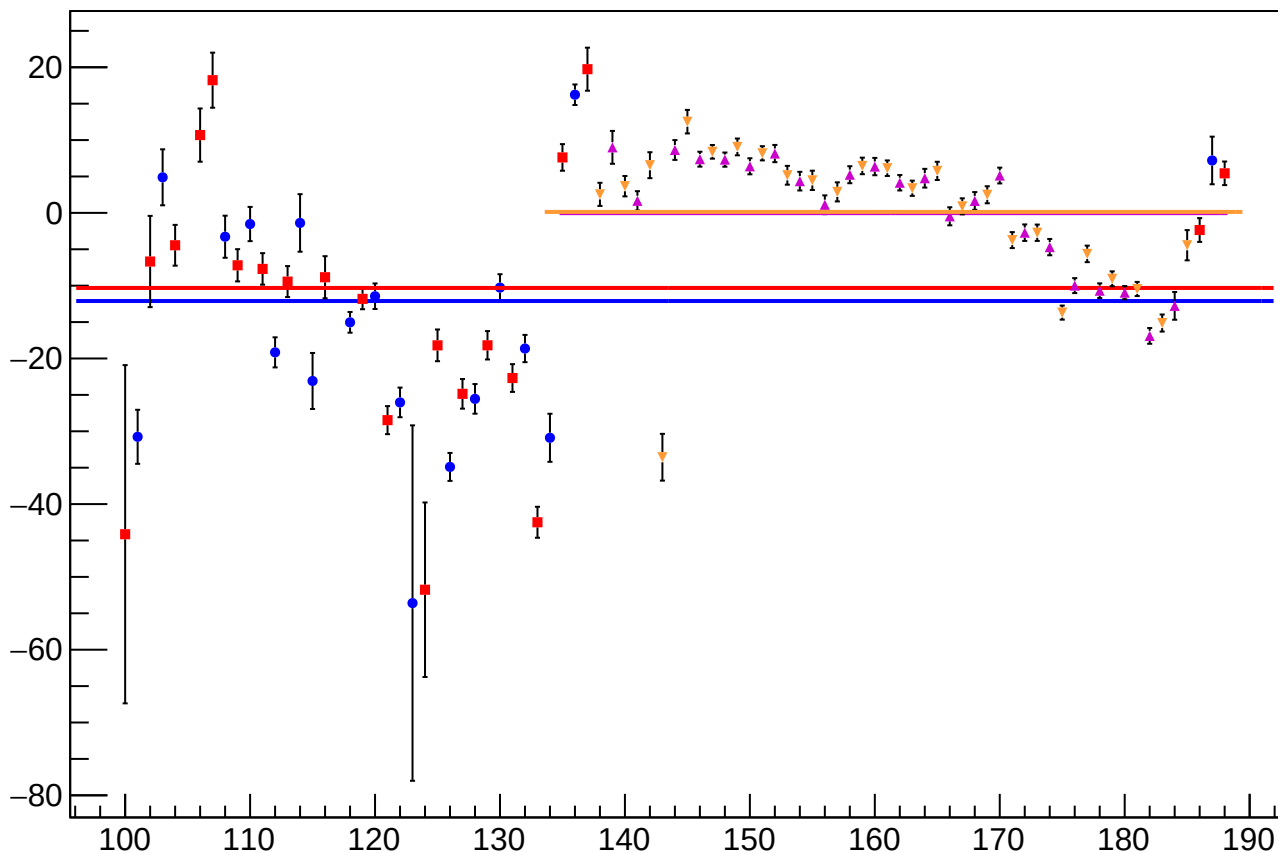
Right: -68.091 +/- 0.355 χ^2/NDF : 3832.0/38

In: -20.987 +/- 0.250 χ^2/NDF : 8017.3/40

Out: -31.074 +/- 0.224 χ^2/NDF : 19010.5/45

All: -26.572 +/- 0.167 χ^2/NDF : 27930.4/86

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.108 ± 0.523 χ^2/NDF : 824.0/17

Left Out: 0.133 ± 0.238 χ^2/NDF : 1146.9/24

Right Out: -10.311 ± 0.487 χ^2/NDF : 871.8/20

Left In: -0.036 ± 0.242 χ^2/NDF : 1027.6/22

Left: 0.049 ± 0.170 χ^2/NDF : 2174.8/47

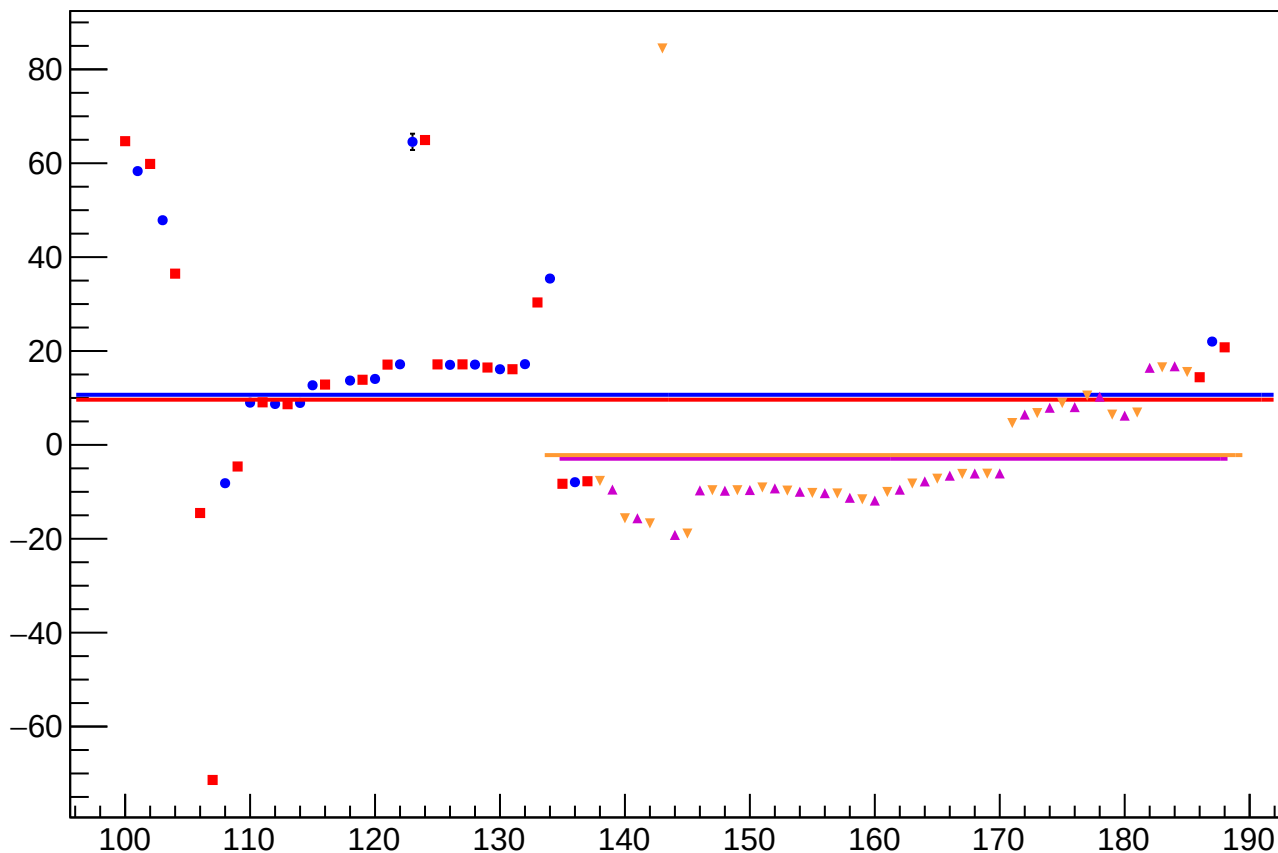
Right: -11.146 ± 0.357 χ^2/NDF : 1702.1/38

In: -2.168 ± 0.220 χ^2/NDF : 2289.8/40

Out: -1.882 ± 0.214 χ^2/NDF : 2389.1/45

All: -2.021 ± 0.153 χ^2/NDF : 4679.7/86

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.675+/-0.030 χ^2/NDF : 384864.4/17

Left Out: -2.176+/-0.011 χ^2/NDF : 1047394.9/24

Right Out: 9.628+/-0.028 χ^2/NDF : 568404.0/20

Left In: -2.949+/-0.011 χ^2/NDF : 770702.4/22

Left: -2.562+/-0.008 χ^2/NDF : 1820593.2/47

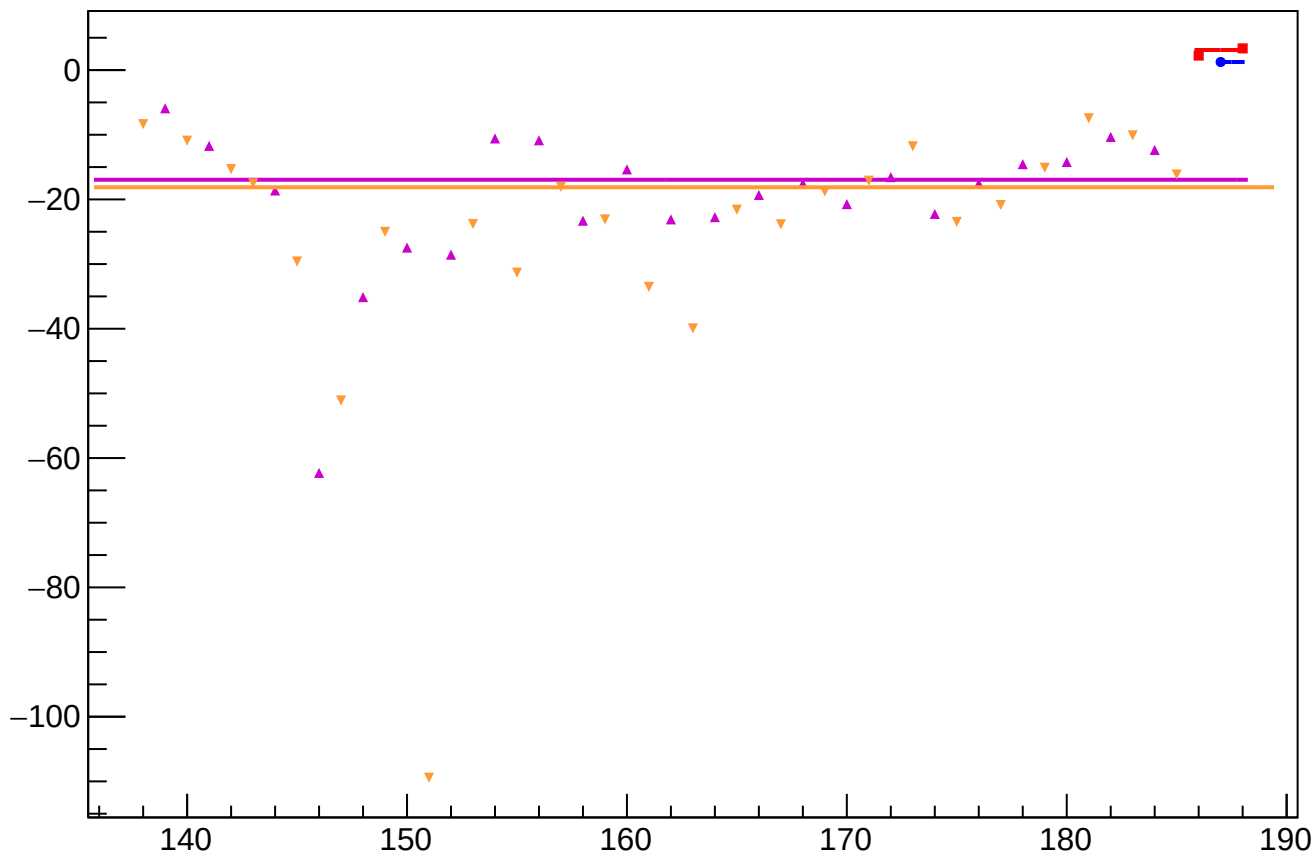
Right: 10.120+/-0.021 χ^2/NDF : 953907.2/38

In: -1.359+/-0.010 χ^2/NDF : 1336181.8/40

Out: -0.654+/-0.010 χ^2/NDF : 1766326.6/45

All: -1.003+/-0.007 χ^2/NDF : 3104875.2/86

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.248+/-0.282 χ^2/NDF : 0.0/0

Left Out: -18.127+/-0.039 χ^2/NDF :88514.4/24

Right Out: 3.104+/-0.097 χ^2/NDF : 23.0/1

Left In: -16.958+/-0.038 χ^2/NDF :44759.9/22

Left: -17.528+/-0.027 χ^2/NDF : 133736.2/47

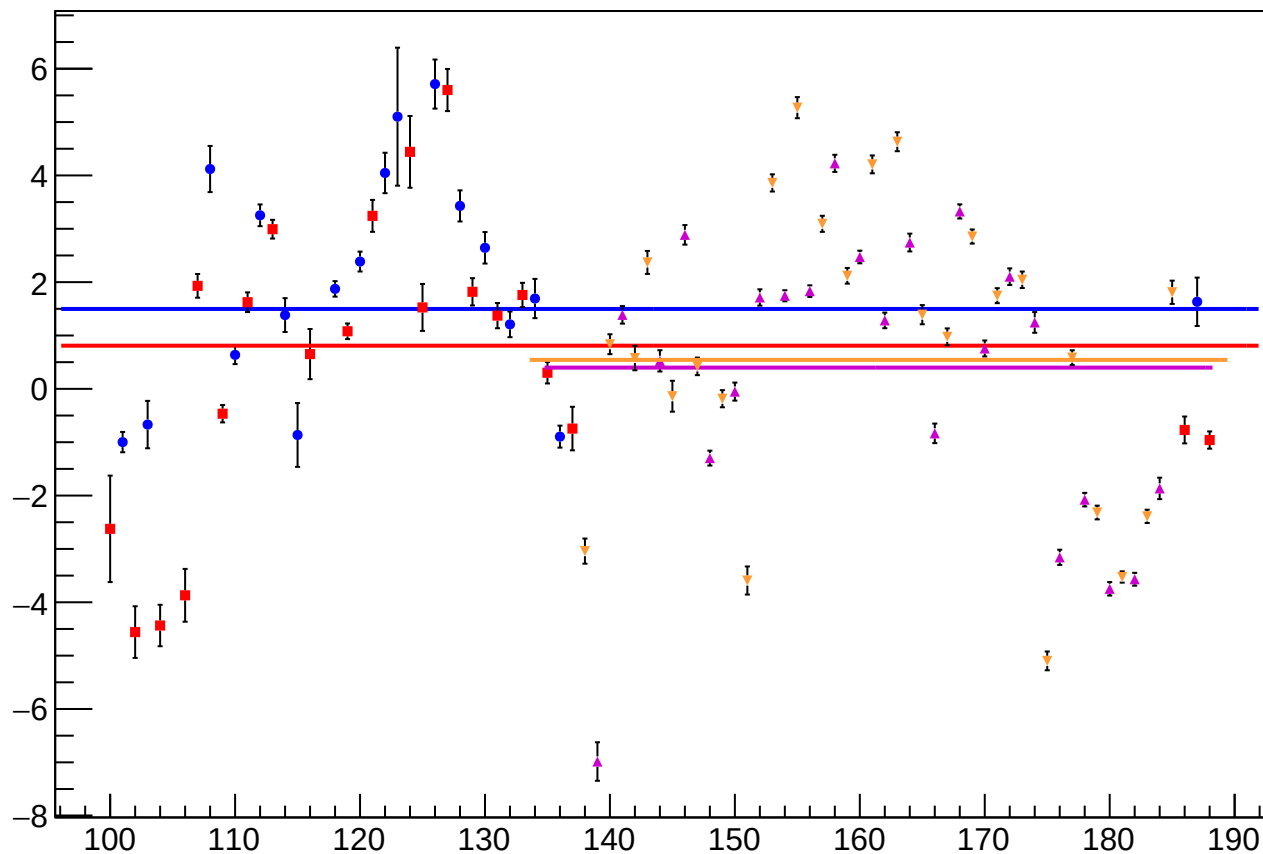
Right: 2.907+/-0.092 χ^2/NDF : 61.8/2

In: -16.632+/-0.038 χ^2/NDF :48863.7/23

Out: -15.180+/-0.036 χ^2/NDF :129761.5/26

All: -15.877+/-0.026 χ^2/NDF : 179398.6/50

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.497 ± 0.061 $\chi^2/\text{NDF}: 708.9/17$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7067.6/24$

Right Out: 0.809 ± 0.054 $\chi^2/\text{NDF}: 1134.6/20$

Left In: 0.398 ± 0.031 $\chi^2/\text{NDF}: 6286.3/22$

Left: 0.467 ± 0.022 $\chi^2/\text{NDF}: 13364.5/47$

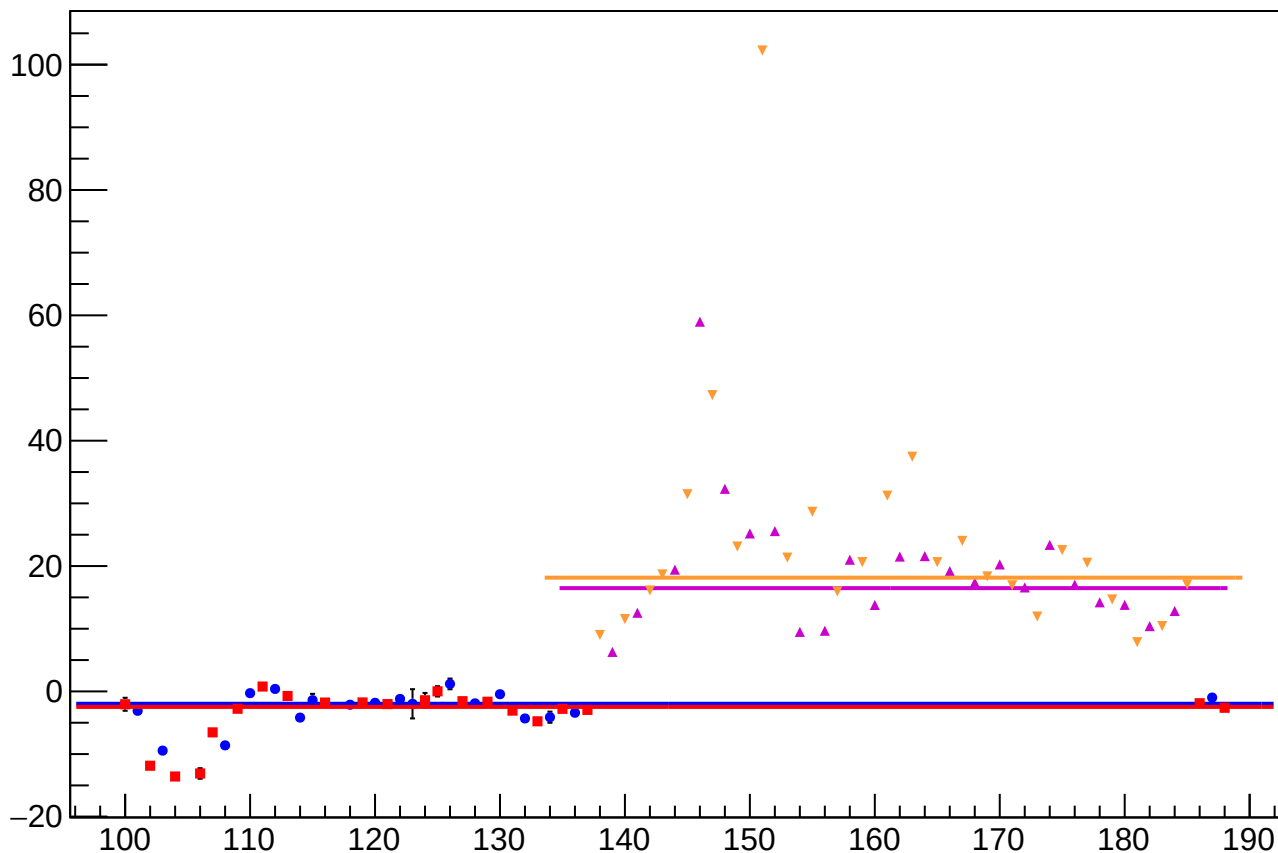
Right: 1.111 ± 0.040 $\chi^2/\text{NDF}: 1916.1/38$

In: 0.622 ± 0.027 $\chi^2/\text{NDF}: 7257.8/40$

Out: 0.614 ± 0.028 $\chi^2/\text{NDF}: 8220.3/45$

All: 0.619 ± 0.019 $\chi^2/\text{NDF}: 15478.1/86$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.973 ± 0.100 $\chi^2/\text{NDF}: 483.6/17$

Left Out: 18.147 ± 0.039 $\chi^2/\text{NDF}: 77805.7/24$

Right Out: -2.474 ± 0.061 $\chi^2/\text{NDF}: 918.9/20$

Left In: 16.477 ± 0.038 $\chi^2/\text{NDF}: 41326.5/22$

Left: 17.279 ± 0.027 $\chi^2/\text{NDF}: 120078.9/47$

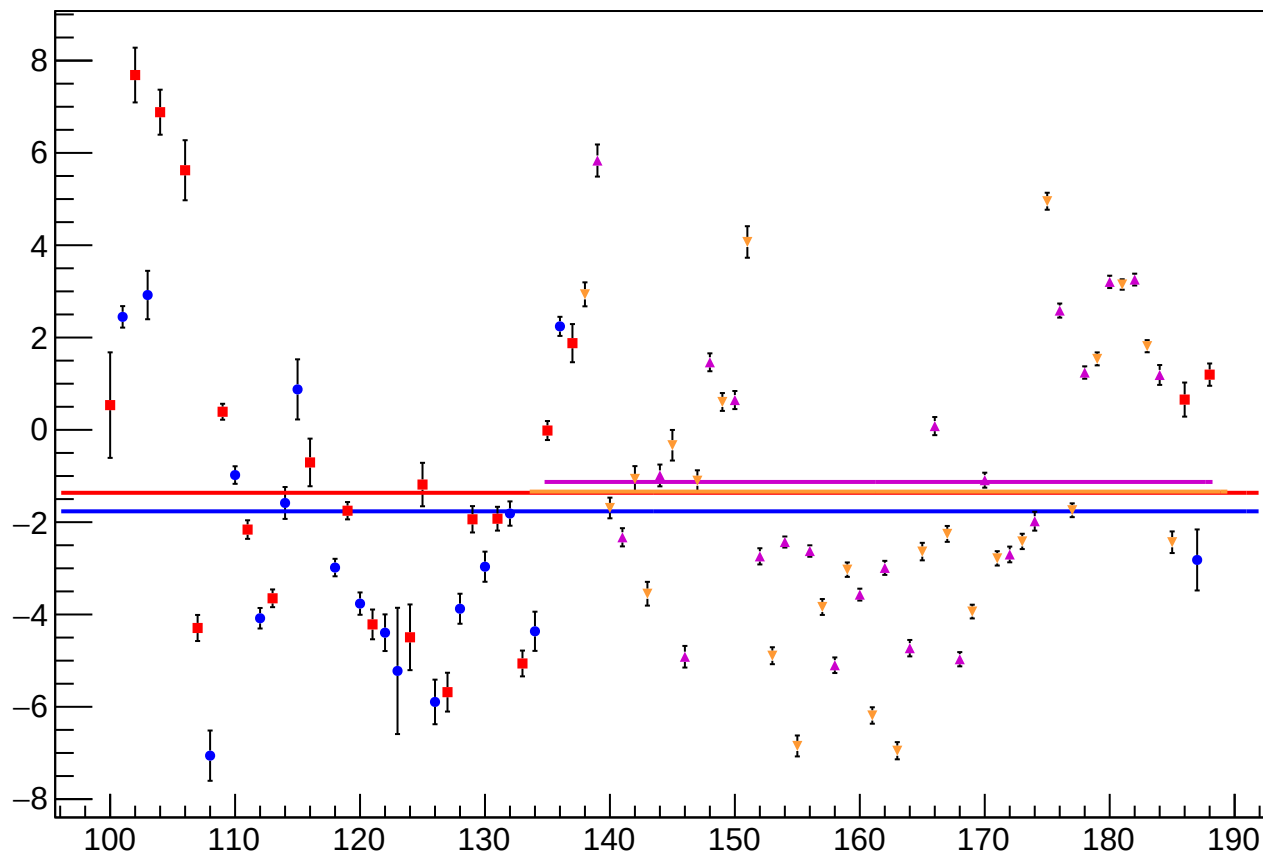
Right: -2.337 ± 0.052 $\chi^2/\text{NDF}: 1420.8/38$

In: 14.180 ± 0.035 $\chi^2/\text{NDF}: 71746.3/40$

Out: 12.175 ± 0.033 $\chi^2/\text{NDF}: 159131.3/45$

All: 13.112 ± 0.024 $\chi^2/\text{NDF}: 232604.6/86$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.765 ± 0.070 $\chi^2/\text{NDF}: 1347.6/17$

Left Out: -1.338 ± 0.036 $\chi^2/\text{NDF}: 7920.8/24$

Right Out: -1.364 ± 0.063 $\chi^2/\text{NDF}: 1644.7/20$

Left In: -1.129 ± 0.034 $\chi^2/\text{NDF}: 6778.7/22$

Left: -1.228 ± 0.025 $\chi^2/\text{NDF}: 14717.3/47$

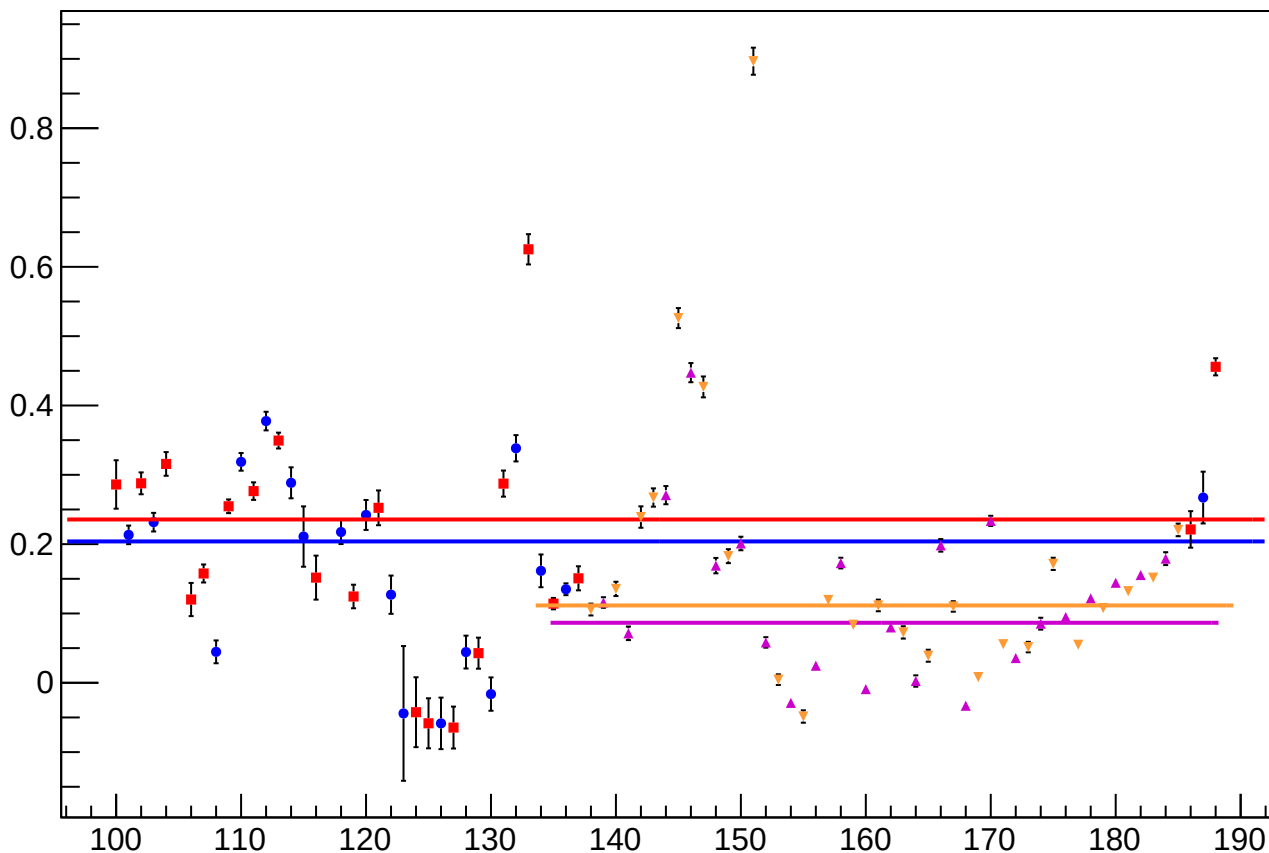
Right: -1.542 ± 0.047 $\chi^2/\text{NDF}: 3010.7/38$

In: -1.251 ± 0.031 $\chi^2/\text{NDF}: 8193.3/40$

Out: -1.344 ± 0.031 $\chi^2/\text{NDF}: 9565.6/45$

All: -1.297 ± 0.022 $\chi^2/\text{NDF}: 17763.5/86$

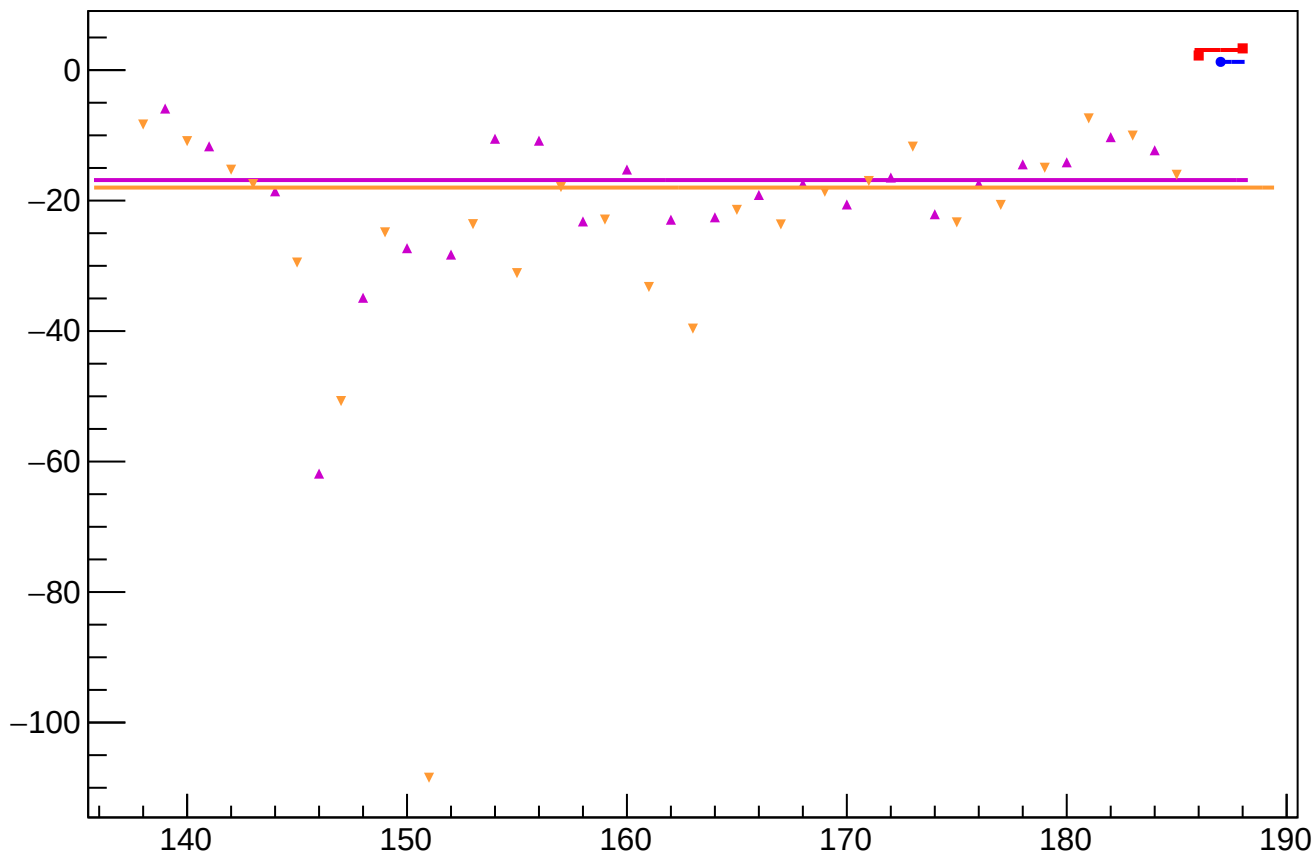
reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.204 $\pm$ 0.004 χ^2 /NDF: 680.1/17
 Left Out: 0.112 $\pm$ 0.002 χ^2 /NDF:4459.9/24
 Right Out: 0.236 $\pm$ 0.004 χ^2 /NDF: 1412.6/20
 Left In: 0.087 $\pm$ 0.001 χ^2 /NDF:3661.4/22

Left: 0.098 $\pm$ 0.001 χ^2 /NDF: 8251.0/47
 Right: 0.222 $\pm$ 0.003 χ^2 /NDF: 2127.0/38
 In: 0.100 $\pm$ 0.001 χ^2 /NDF:5062.2/40
 Out: 0.133 $\pm$ 0.001 χ^2 /NDF:6906.5/45
 All: 0.116 $\pm$ 0.001 χ^2 /NDF: 12229.5/86

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.261+/-0.281 χ^2/NDF : 0.0/0

Left Out: -18.004+/-0.039 χ^2/NDF :88352.2/24

Right Out: 3.082+/-0.096 χ^2/NDF : 22.7/1

Left In: -16.854+/-0.038 χ^2/NDF :44680.7/22

Left: -17.415+/-0.027 χ^2/NDF : 133485.7/47

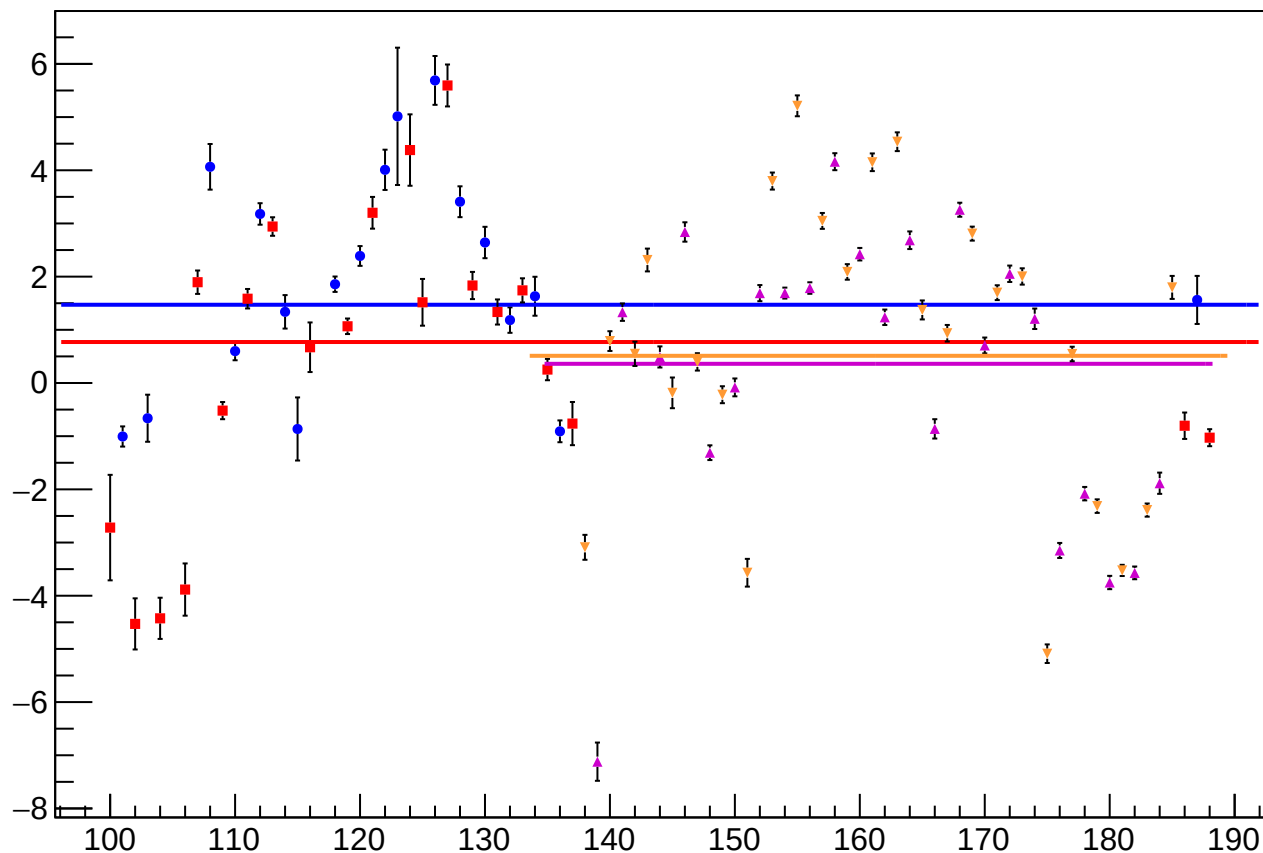
Right: 2.892+/-0.091 χ^2/NDF : 60.4/2

In: -16.532+/-0.037 χ^2/NDF :48771.2/23

Out: -15.052+/-0.036 χ^2/NDF :129967.3/26

All: -15.761+/-0.026 χ^2/NDF : 179553.4/50

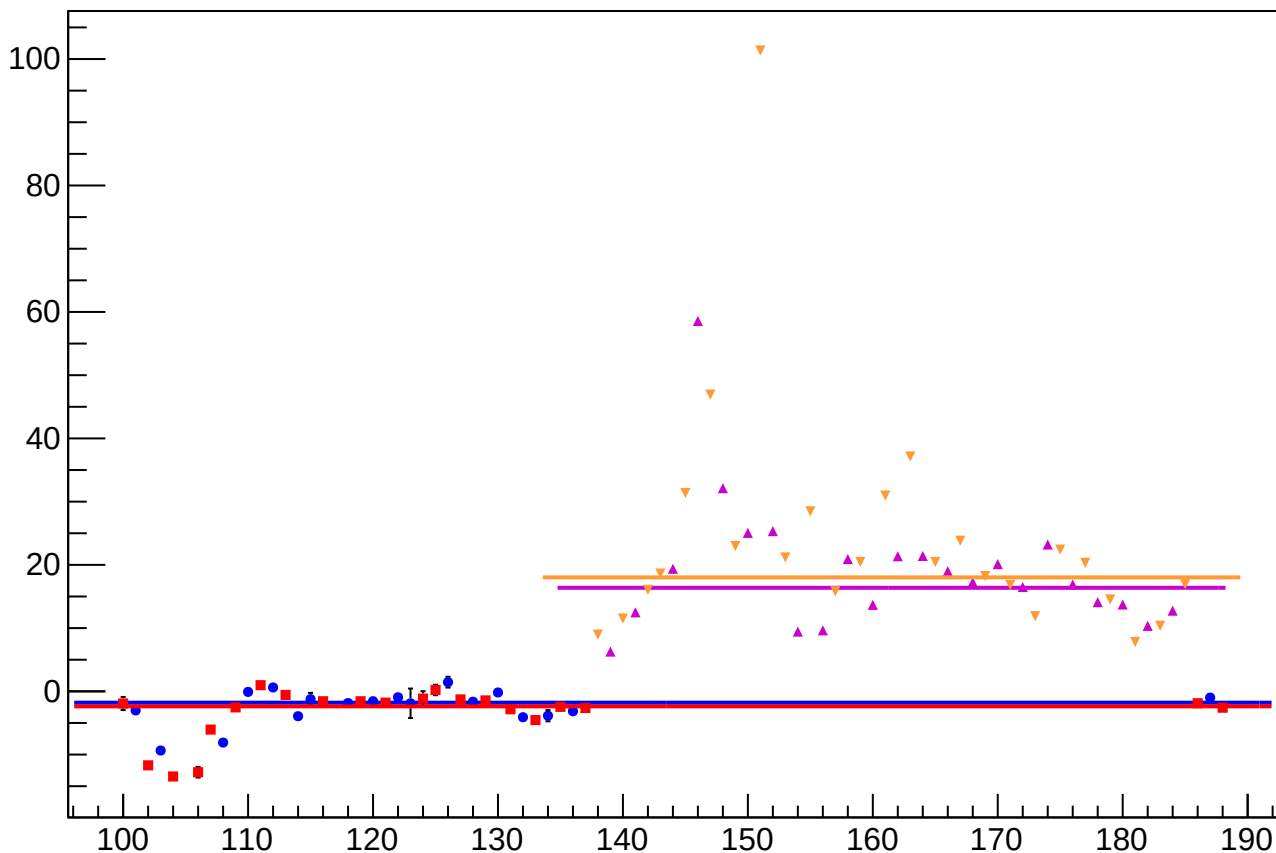
reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.471 ± 0.060 $\chi^2/\text{NDF}: 707.9/17$
 Left Out: 0.511 ± 0.032 $\chi^2/\text{NDF}: 7053.0/24$
 Right Out: 0.771 ± 0.053 $\chi^2/\text{NDF}: 1149.3/20$
 Left In: 0.361 ± 0.030 $\chi^2/\text{NDF}: 6273.5/22$

Left: 0.432 ± 0.022 $\chi^2/\text{NDF}: 13338.0/47$
 Right: 1.078 ± 0.040 $\chi^2/\text{NDF}: 1933.2/38$
 In: 0.587 ± 0.027 $\chi^2/\text{NDF}: 7252.0/40$
 Out: 0.581 ± 0.028 $\chi^2/\text{NDF}: 8219.7/45$
 All: 0.584 ± 0.019 $\chi^2/\text{NDF}: 15471.7/86$

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.793 ± 0.099 $\chi^2/\text{NDF}: 478.7/17$

Left Out: 18.023 ± 0.039 $\chi^2/\text{NDF}: 77674.0/24$

Right Out: -2.376 ± 0.061 $\chi^2/\text{NDF}: 922.7/20$

Left In: 16.377 ± 0.037 $\chi^2/\text{NDF}: 41253.5/22$

Left: 17.168 ± 0.027 $\chi^2/\text{NDF}: 119859.6/47$

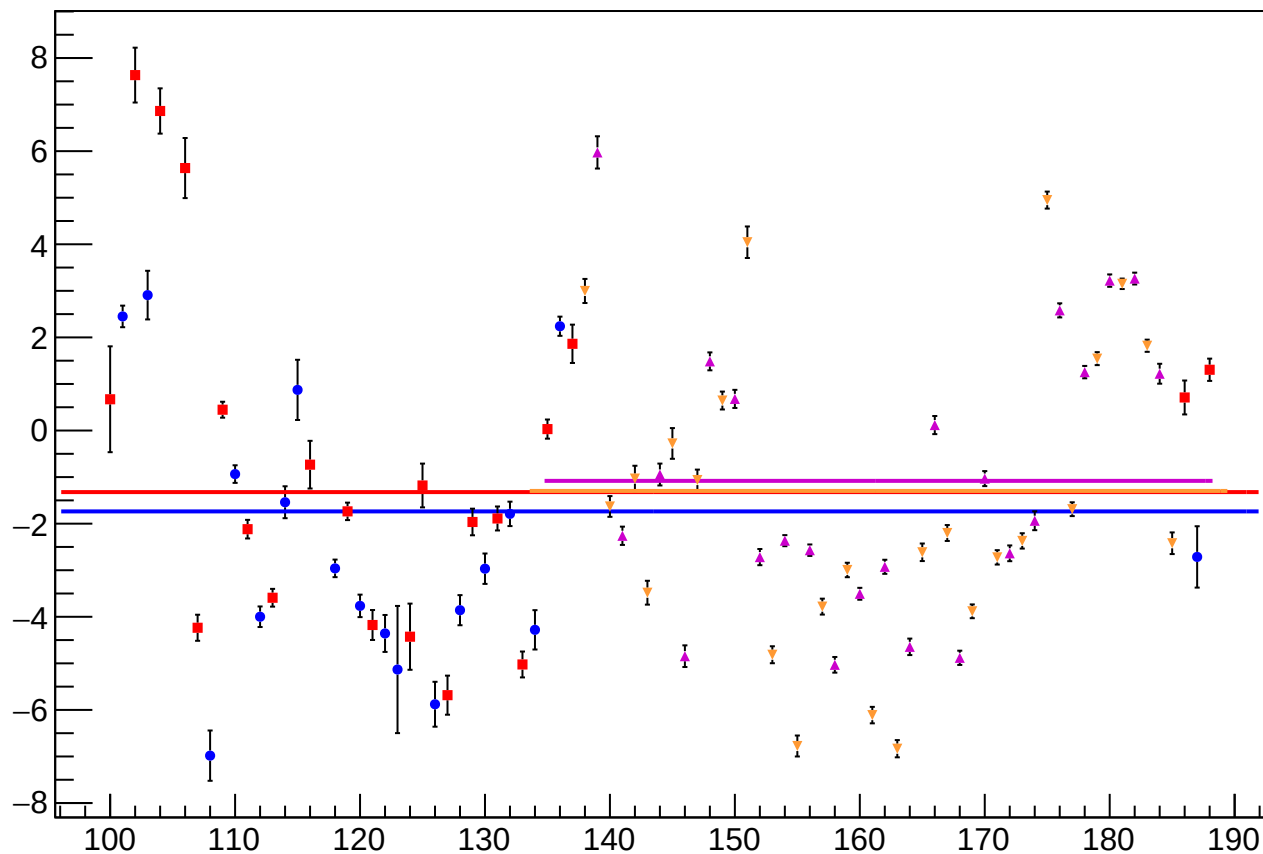
Right: -2.218 ± 0.052 $\chi^2/\text{NDF}: 1426.5/38$

In: 14.123 ± 0.035 $\chi^2/\text{NDF}: 71055.0/40$

Out: 12.096 ± 0.033 $\chi^2/\text{NDF}: 158673.1/45$

All: 13.042 ± 0.024 $\chi^2/\text{NDF}: 231518.4/86$

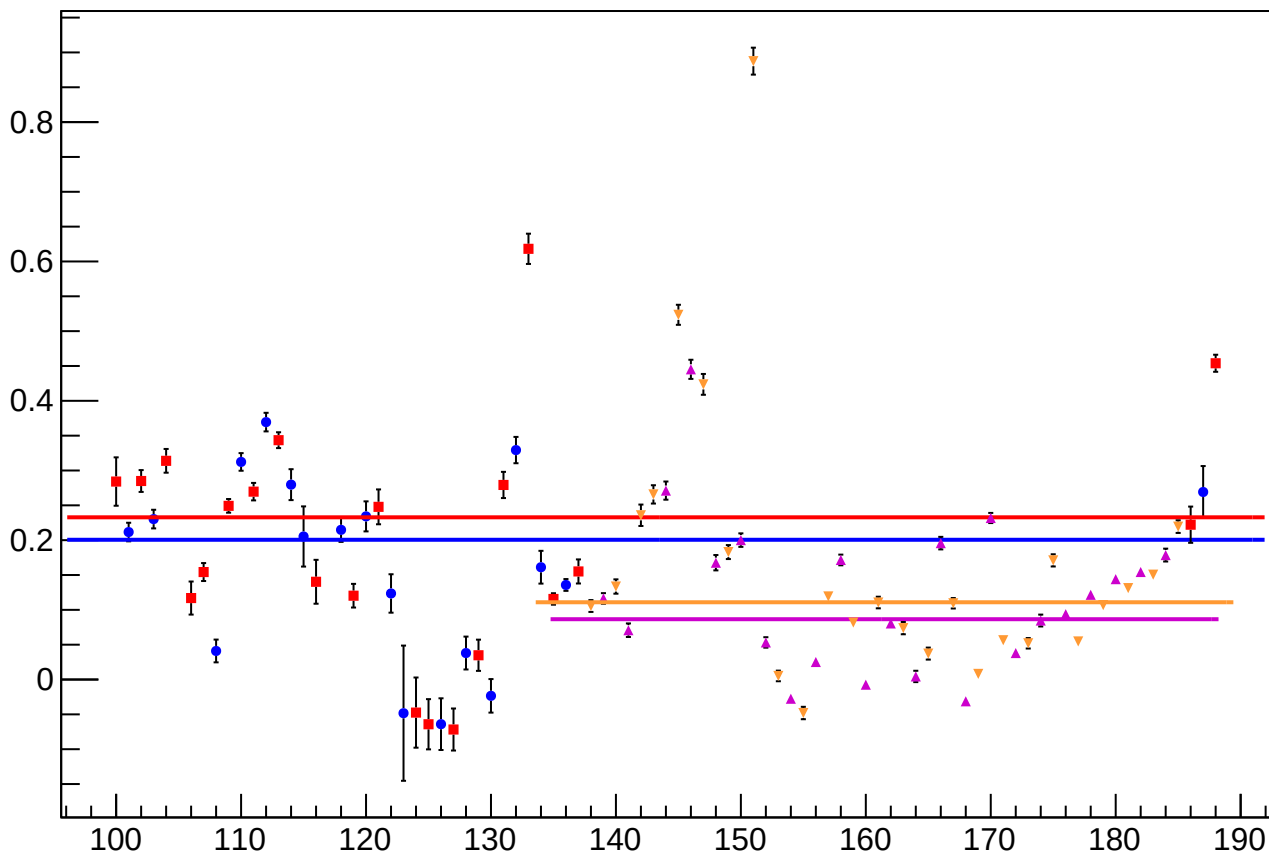
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.737 ± 0.070 $\chi^2/\text{NDF}: 1343.7/17$
 Left Out: -1.297 ± 0.036 $\chi^2/\text{NDF}: 7903.2/24$
 Right Out: -1.322 ± 0.062 $\chi^2/\text{NDF}: 1660.7/20$
 Left In: -1.081 ± 0.034 $\chi^2/\text{NDF}: 6764.0/22$

Left: -1.183 ± 0.025 $\chi^2/\text{NDF}: 14686.6/47$
 Right: -1.506 ± 0.046 $\chi^2/\text{NDF}: 3024.2/38$
 In: -1.206 ± 0.030 $\chi^2/\text{NDF}: 8179.6/40$
 Out: -1.303 ± 0.031 $\chi^2/\text{NDF}: 9564.0/45$
 All: -1.254 ± 0.022 $\chi^2/\text{NDF}: 17748.7/86$

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 665.9/17

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF:4452.0/24

Right Out: 0.233 $\pm$ 0.003 χ^2 /NDF: 1406.3/20

Left In: 0.087 $\pm$ 0.001 χ^2 /NDF:3631.4/22

Left: 0.098 $\pm$ 0.001 χ^2 /NDF: 8208.0/47

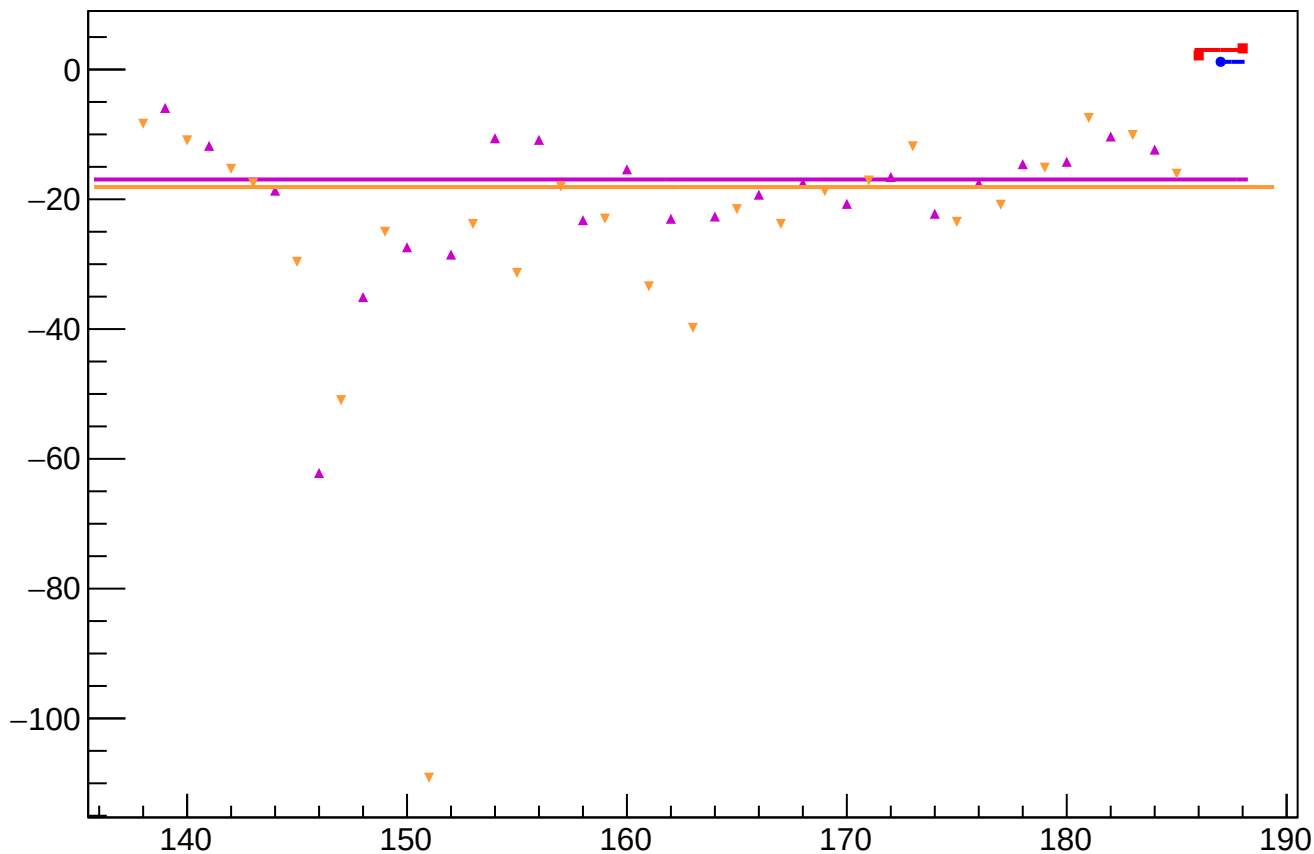
Right: 0.219 $\pm$ 0.003 χ^2 /NDF: 2108.2/38

In: 0.100 $\pm$ 0.001 χ^2 /NDF:4984.4/40

Out: 0.132 $\pm$ 0.001 χ^2 /NDF:6869.2/45

All: 0.115 $\pm$ 0.001 χ^2 /NDF: 12107.5/86

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.187 ± 0.282 χ^2/NDF : 0.0/0

Left Out: -18.112 ± 0.039 χ^2/NDF : 88488.2/24

Right Out: 3.013 ± 0.096 χ^2/NDF : 22.2/1

Left In: -16.945 ± 0.038 χ^2/NDF : 44756.2/22

Left: -17.514 ± 0.027 χ^2/NDF : 133707.4/47

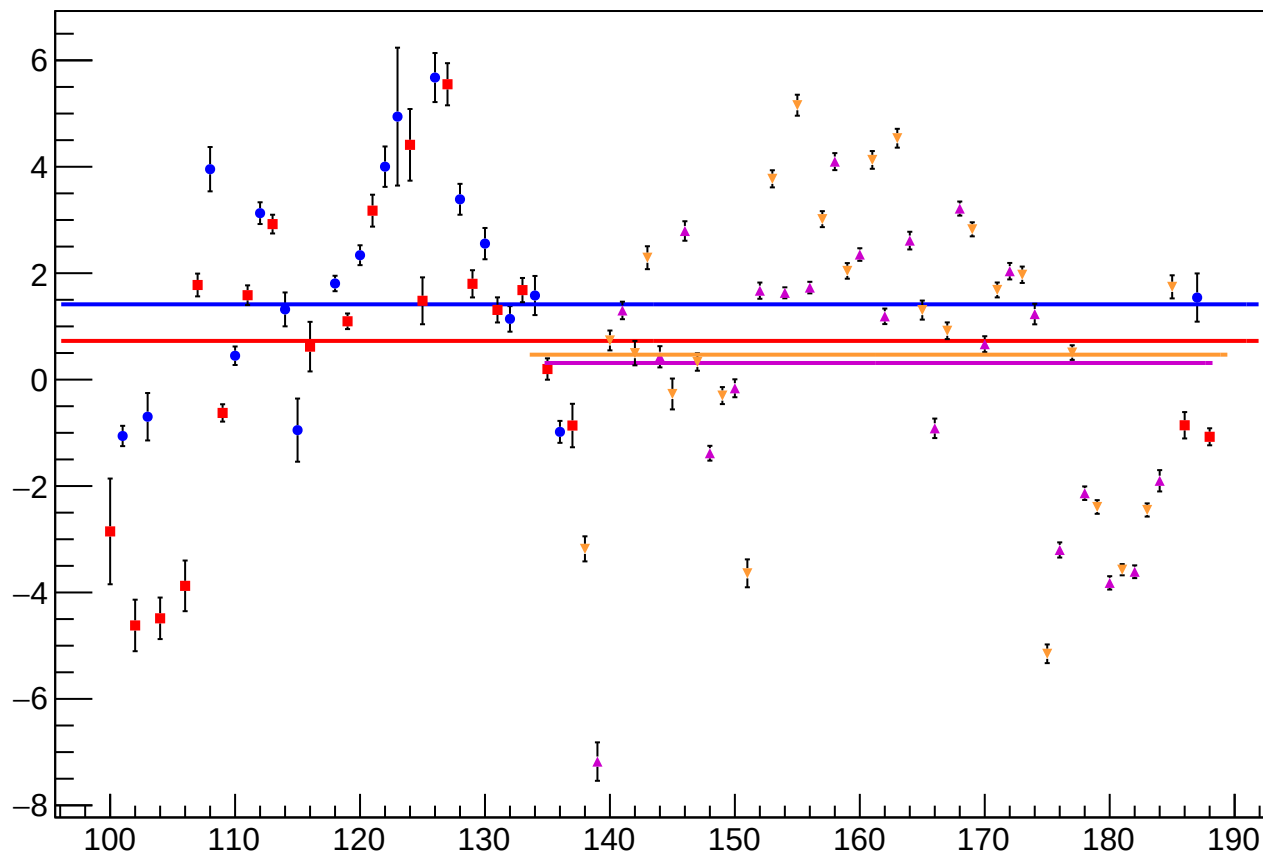
Right: 2.824 ± 0.091 χ^2/NDF : 59.9/2

In: -16.622 ± 0.038 χ^2/NDF : 48831.3/23

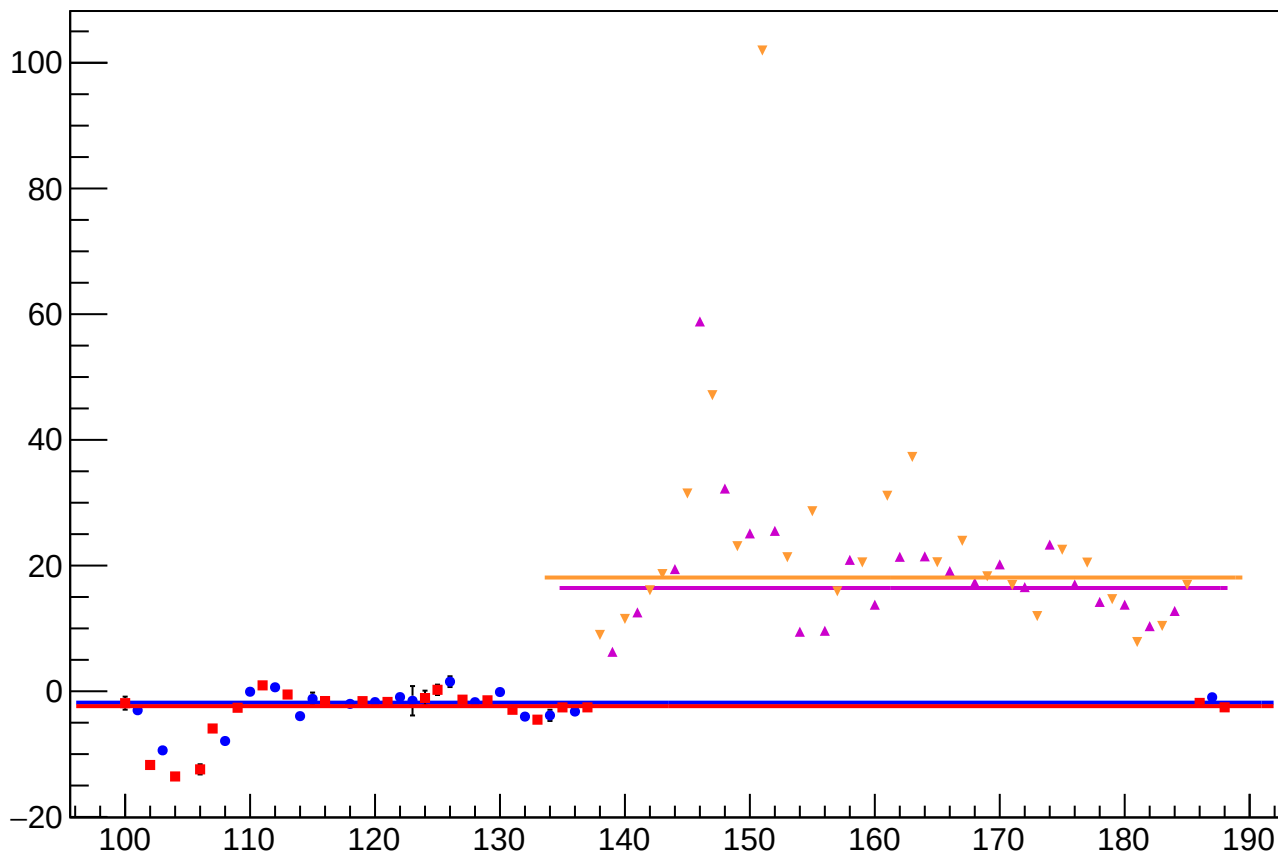
Out: -15.124 ± 0.036 χ^2/NDF : 130335.3/26

All: -15.841 ± 0.026 χ^2/NDF : 179995.3/50

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.811 ± 0.100 $\chi^2/\text{NDF}: 480.1/17$

Left Out: 18.098 ± 0.039 $\chi^2/\text{NDF}: 77793.7/24$

Right Out: -2.372 ± 0.061 $\chi^2/\text{NDF}: 916.0/20$

Left In: 16.431 ± 0.038 $\chi^2/\text{NDF}: 41337.1/22$

Left: 17.232 ± 0.027 $\chi^2/\text{NDF}: 120078.5/47$

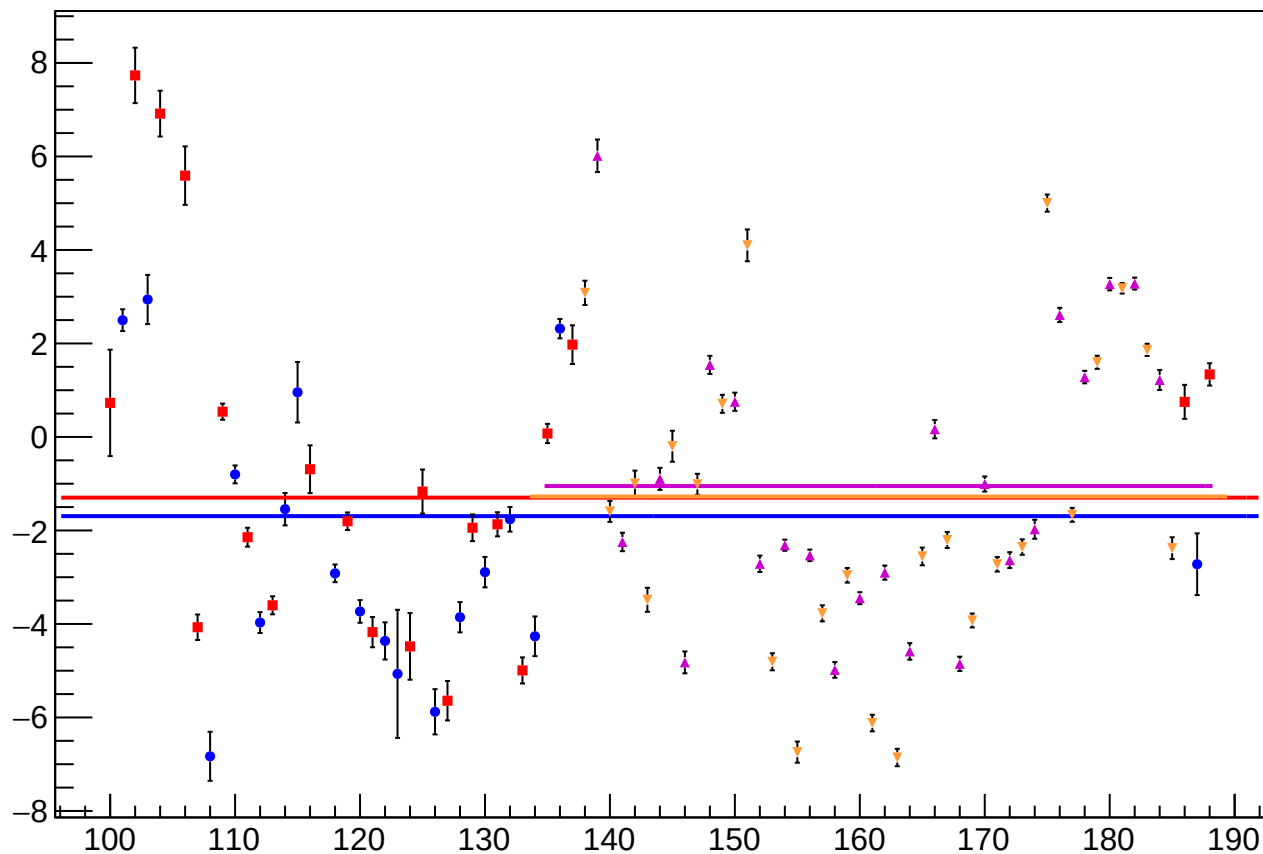
Right: -2.220 ± 0.052 $\chi^2/\text{NDF}: 1419.2/38$

In: 14.172 ± 0.035 $\chi^2/\text{NDF}: 71092.8/40$

Out: 12.120 ± 0.033 $\chi^2/\text{NDF}: 159050.6/45$

All: 13.077 ± 0.024 $\chi^2/\text{NDF}: 231964.6/86$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.694 ± 0.070 $\chi^2/\text{NDF}: 1350.3/17$

Left Out: -1.273 ± 0.036 $\chi^2/\text{NDF}: 7931.0/24$

Right Out: -1.298 ± 0.062 $\chi^2/\text{NDF}: 1674.5/20$

Left In: -1.050 ± 0.034 $\chi^2/\text{NDF}: 6713.0/22$

Left: -1.156 ± 0.025 $\chi^2/\text{NDF}: 14664.3/47$

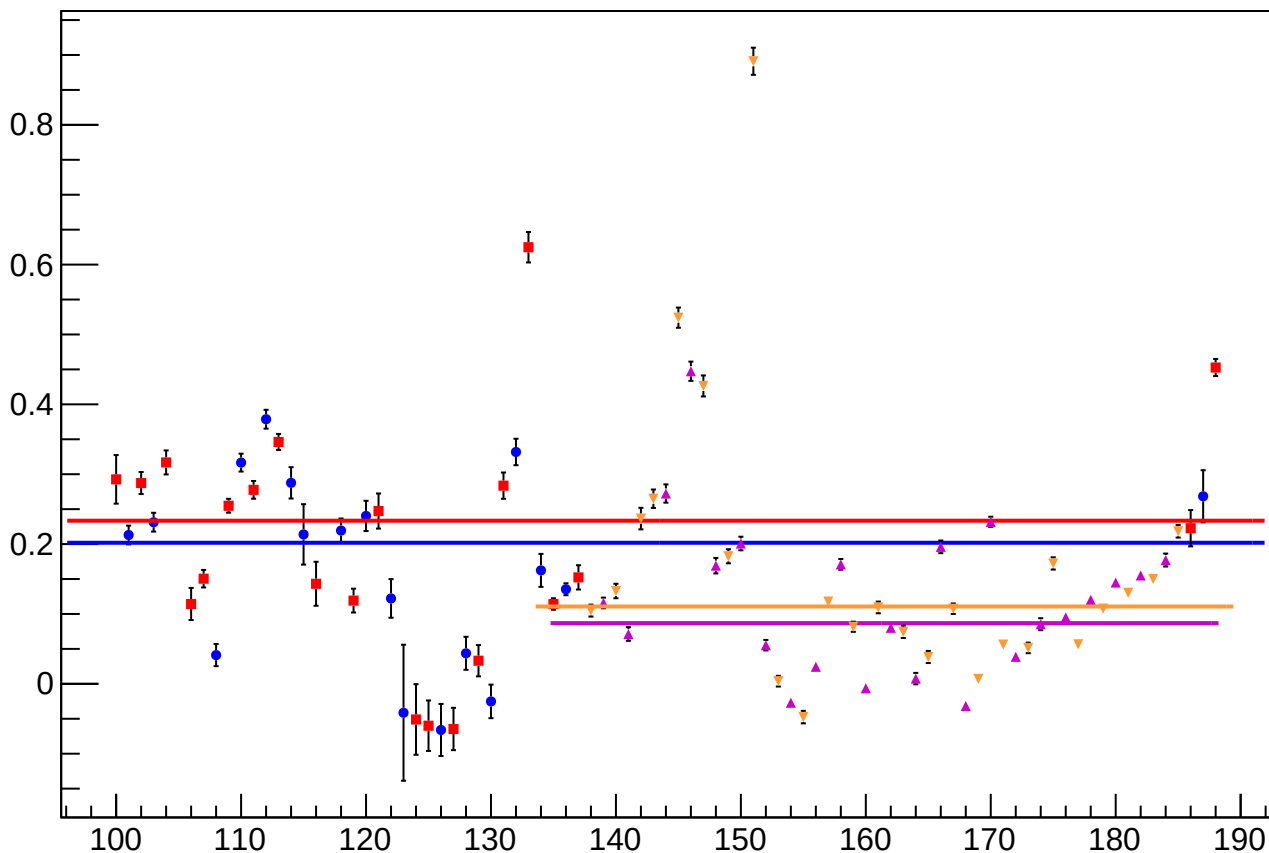
Right: -1.473 ± 0.047 $\chi^2/\text{NDF}: 3042.7/38$

In: -1.173 ± 0.031 $\chi^2/\text{NDF}: 8131.8/40$

Out: -1.279 ± 0.031 $\chi^2/\text{NDF}: 9605.6/45$

All: -1.225 ± 0.022 $\chi^2/\text{NDF}: 17743.4/86$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.004 χ^2/NDF : 694.5/17

Left Out: 0.111 ± 0.002 χ^2/NDF : 4430.3/24

Right Out: 0.233 ± 0.003 χ^2/NDF : 1433.2/20

Left In: 0.087 ± 0.001 χ^2/NDF : 3604.3/22

Left: 0.098 ± 0.001 χ^2/NDF : 8153.0/47

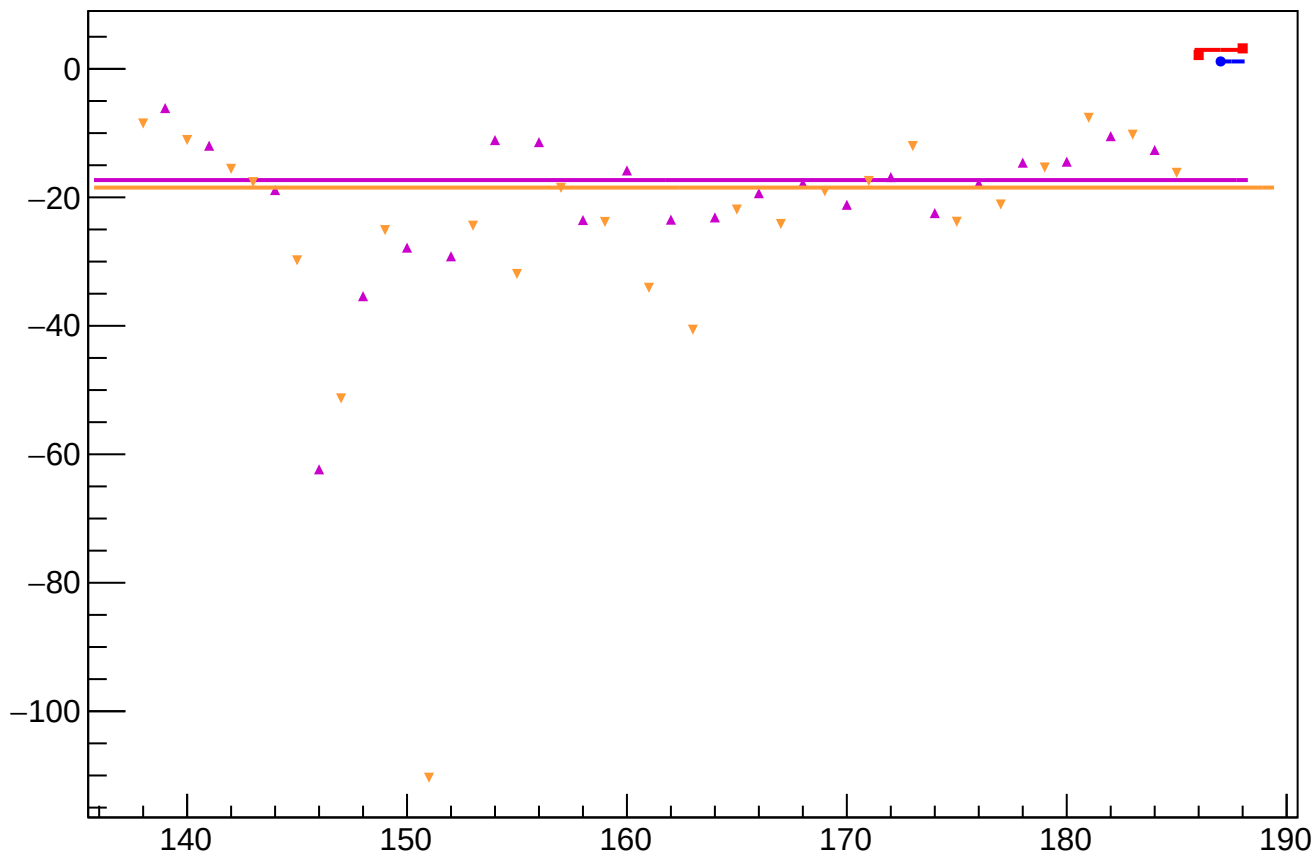
Right: 0.220 ± 0.003 χ^2/NDF : 2162.0/38

In: 0.100 ± 0.001 χ^2/NDF : 4993.2/40

Out: 0.132 ± 0.001 χ^2/NDF : 6884.7/45

All: 0.116 ± 0.001 χ^2/NDF : 12123.8/86

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.157+/-0.283 χ^2/NDF : 0.0/0

Left Out: -18.478+/-0.040 χ^2/NDF : 87856.5/24

Right Out: 2.958+/-0.096 χ^2/NDF : 20.4/1

Left In: -17.309+/-0.039 χ^2/NDF : 43807.0/22

Left: -17.879+/-0.028 χ^2/NDF : 132106.2/47

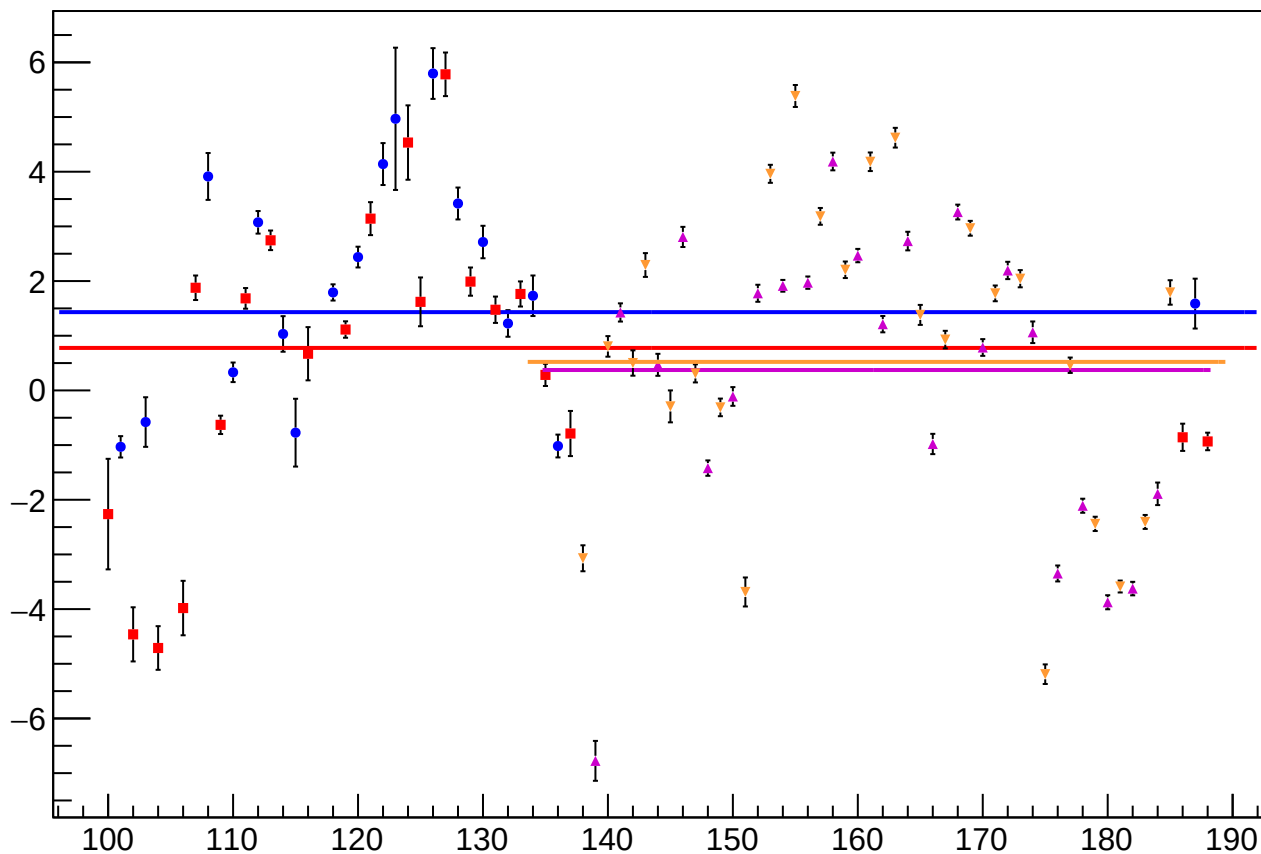
Right: 2.772+/-0.091 χ^2/NDF : 56.6/2

In: -16.969+/-0.038 χ^2/NDF : 47976.8/23

Out: -15.342+/-0.037 χ^2/NDF : 130421.5/26

All: -16.119+/-0.027 χ^2/NDF : 179334.7/50

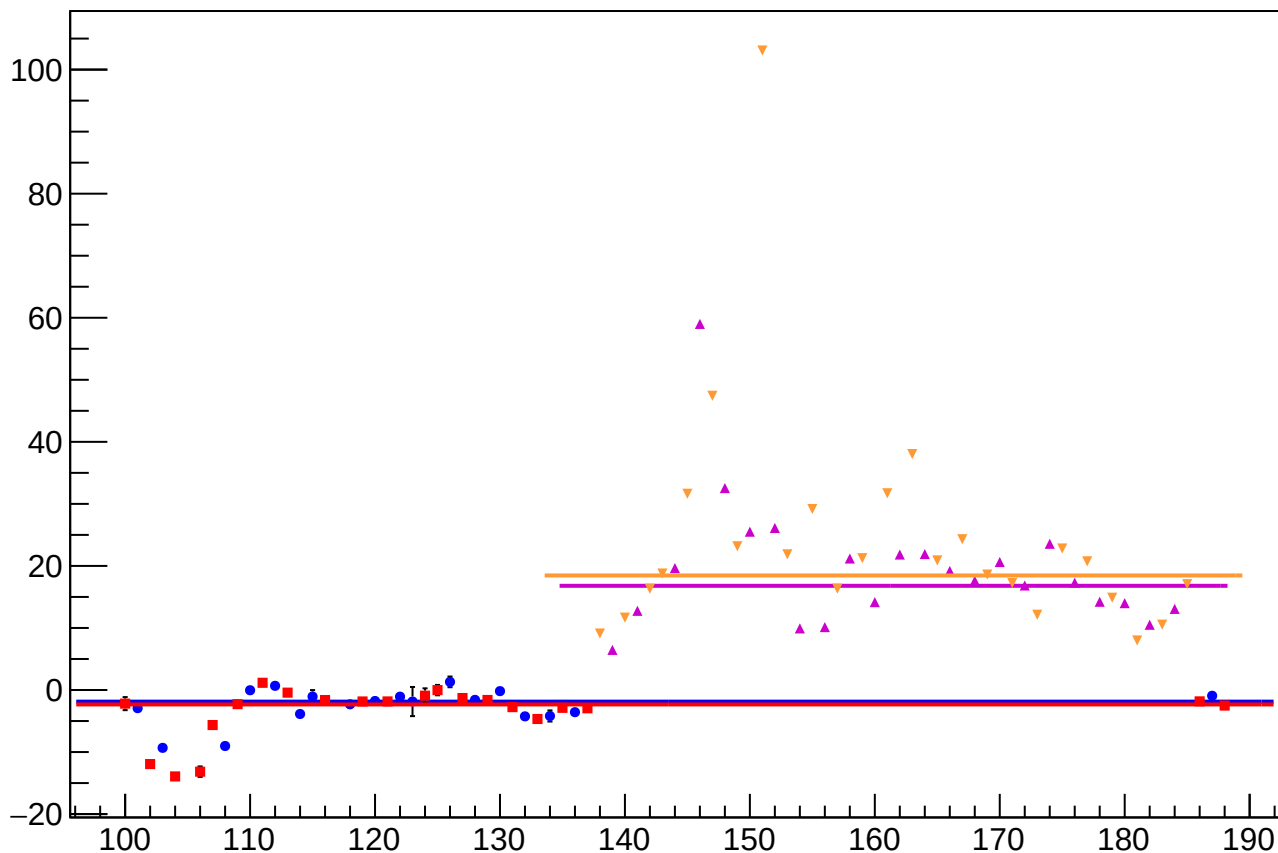
reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 ± 0.062 $\chi^2/\text{NDF}: 711.6/17$
 Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7038.3/24$
 Right Out: 0.777 ± 0.054 $\chi^2/\text{NDF}: 1123.6/20$
 Left In: 0.373 ± 0.031 $\chi^2/\text{NDF}: 6263.9/22$

Left: 0.443 ± 0.023 $\chi^2/\text{NDF}: 13312.8/47$
 Right: 1.063 ± 0.041 $\chi^2/\text{NDF}: 1898.7/38$
 In: 0.590 ± 0.028 $\chi^2/\text{NDF}: 7210.2/40$
 Out: 0.591 ± 0.028 $\chi^2/\text{NDF}: 8178.0/45$
 All: 0.591 ± 0.020 $\chi^2/\text{NDF}: 15388.2/86$

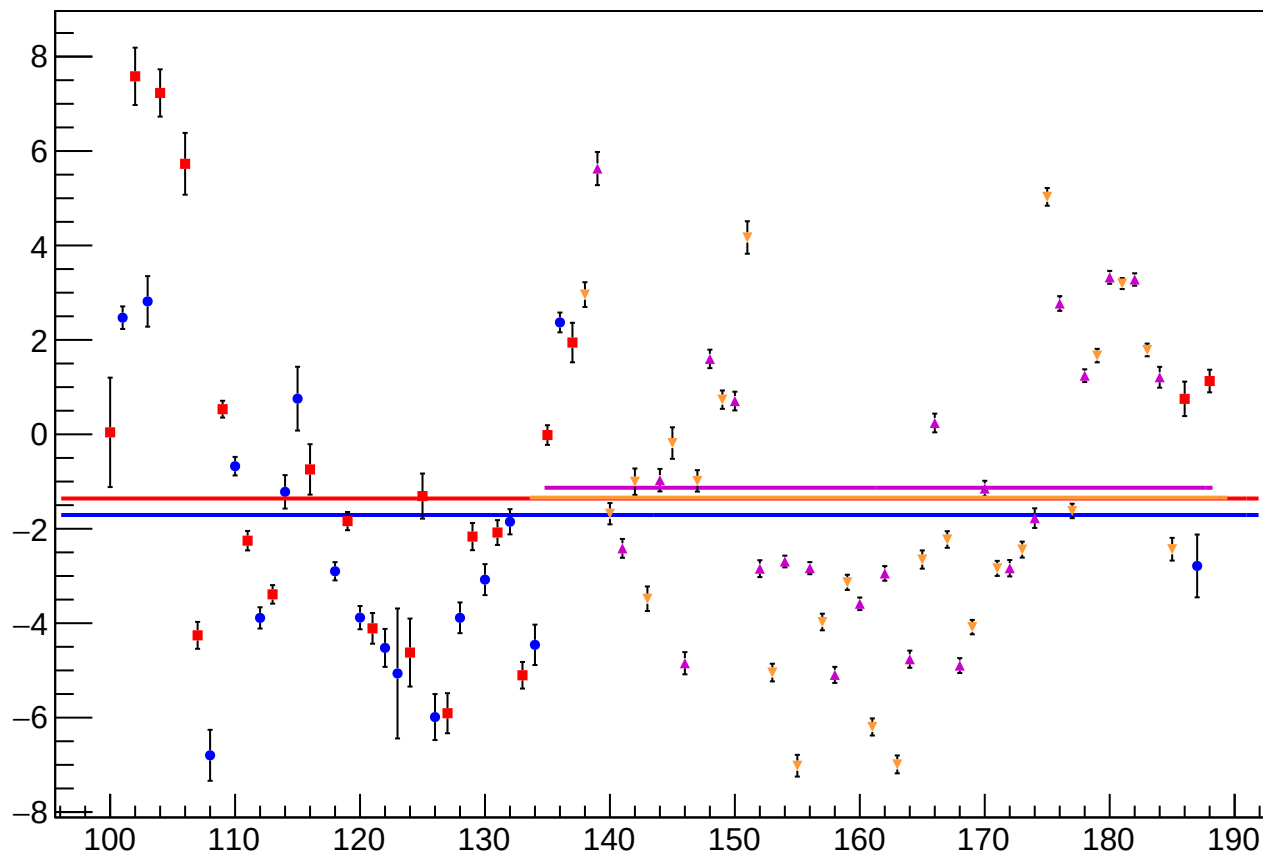
reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.873 ± 0.101 $\chi^2/\text{NDF}: 506.9/17$
 Left Out: 18.463 ± 0.040 $\chi^2/\text{NDF}: 77193.5/24$
 Right Out: -2.325 ± 0.061 $\chi^2/\text{NDF}: 932.4/20$
 Left In: 16.798 ± 0.038 $\chi^2/\text{NDF}: 40258.9/22$

Left: 17.599 ± 0.028 $\chi^2/\text{NDF}: 118354.8/47$
 Right: -2.204 ± 0.052 $\chi^2/\text{NDF}: 1453.8/38$
 In: 14.452 ± 0.036 $\chi^2/\text{NDF}: 70435.3/40$
 Out: 12.281 ± 0.033 $\chi^2/\text{NDF}: 158750.7/45$
 All: 13.289 ± 0.024 $\chi^2/\text{NDF}: 231141.4/86$

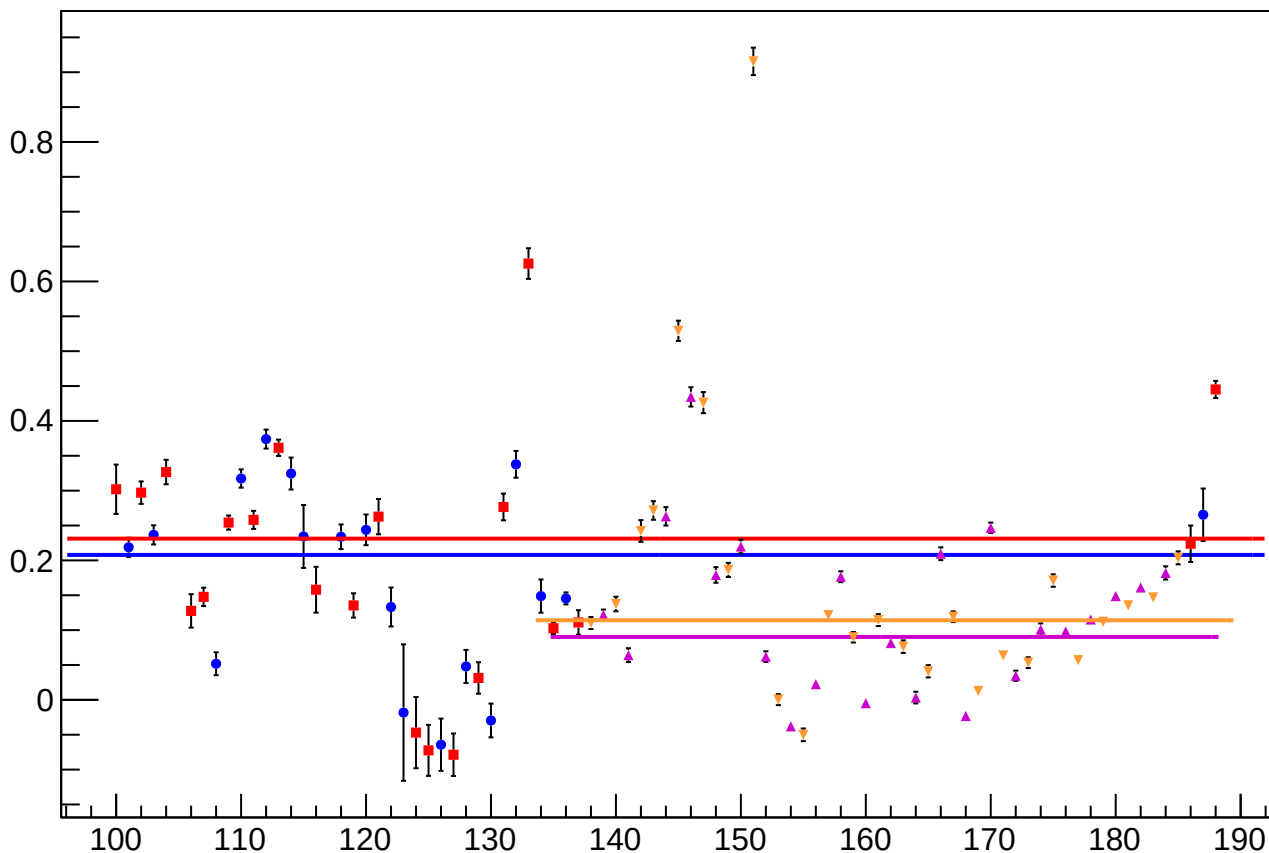
reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.708 ± 0.071 $\chi^2/\text{NDF}: 1336.0/17$
 Left Out: -1.341 ± 0.037 $\chi^2/\text{NDF}: 7886.0/24$
 Right Out: -1.359 ± 0.064 $\chi^2/\text{NDF}: 1624.2/20$
 Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6743.4/22$

Left: -1.231 ± 0.025 $\chi^2/\text{NDF}: 14646.5/47$
 Right: -1.514 ± 0.047 $\chi^2/\text{NDF}: 2973.6/38$
 In: -1.243 ± 0.031 $\chi^2/\text{NDF}: 8132.4/40$
 Out: -1.345 ± 0.032 $\chi^2/\text{NDF}: 9510.2/45$
 All: -1.293 ± 0.022 $\chi^2/\text{NDF}: 17647.9/86$

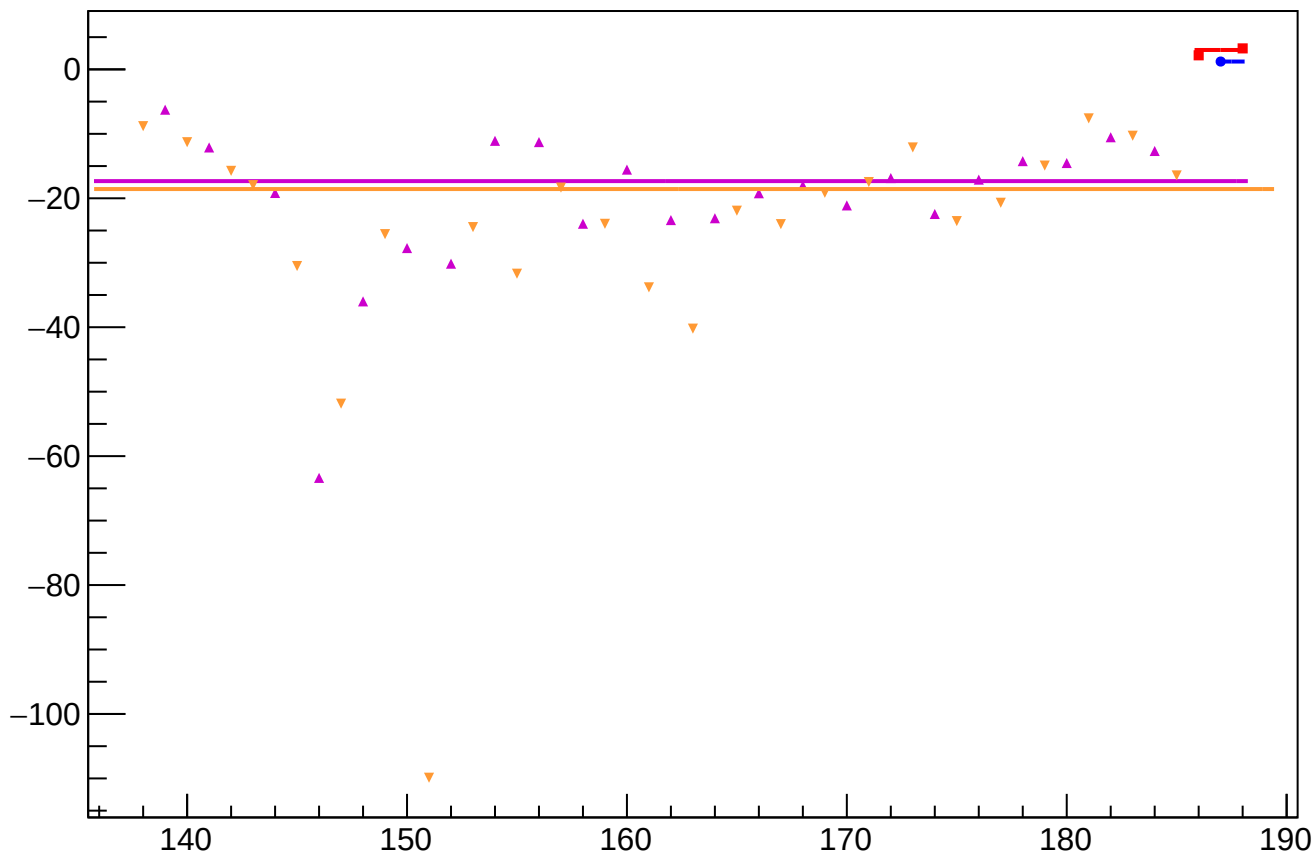
reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.208 $\pm$ 0.004 χ^2 /NDF: 658.7/17
 Left Out: 0.114 $\pm$ 0.002 χ^2 /NDF:4382.5/24
 Right Out: 0.231 $\pm$ 0.004 χ^2 /NDF: 1478.4/20
 Left In: 0.090 $\pm$ 0.002 χ^2 /NDF:3679.2/22

Left: 0.101 $\pm$ 0.001 χ^2 /NDF: 8175.2/47
 Right: 0.221 $\pm$ 0.003 χ^2 /NDF: 2155.2/38
 In: 0.104 $\pm$ 0.001 χ^2 /NDF:5037.7/40
 Out: 0.135 $\pm$ 0.001 χ^2 /NDF:6754.0/45
 All: 0.119 $\pm$ 0.001 χ^2 /NDF: 12007.6/86

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.216 ± 0.284 χ^2/NDF : 0.0/0

Left Out: -18.565 ± 0.040 χ^2/NDF : 86349.5/24

Right Out: 3.010 ± 0.097 χ^2/NDF : 21.7/1

Left In: -17.335 ± 0.039 χ^2/NDF : 44078.7/22

Left: -17.934 ± 0.028 χ^2/NDF : 130909.9/47

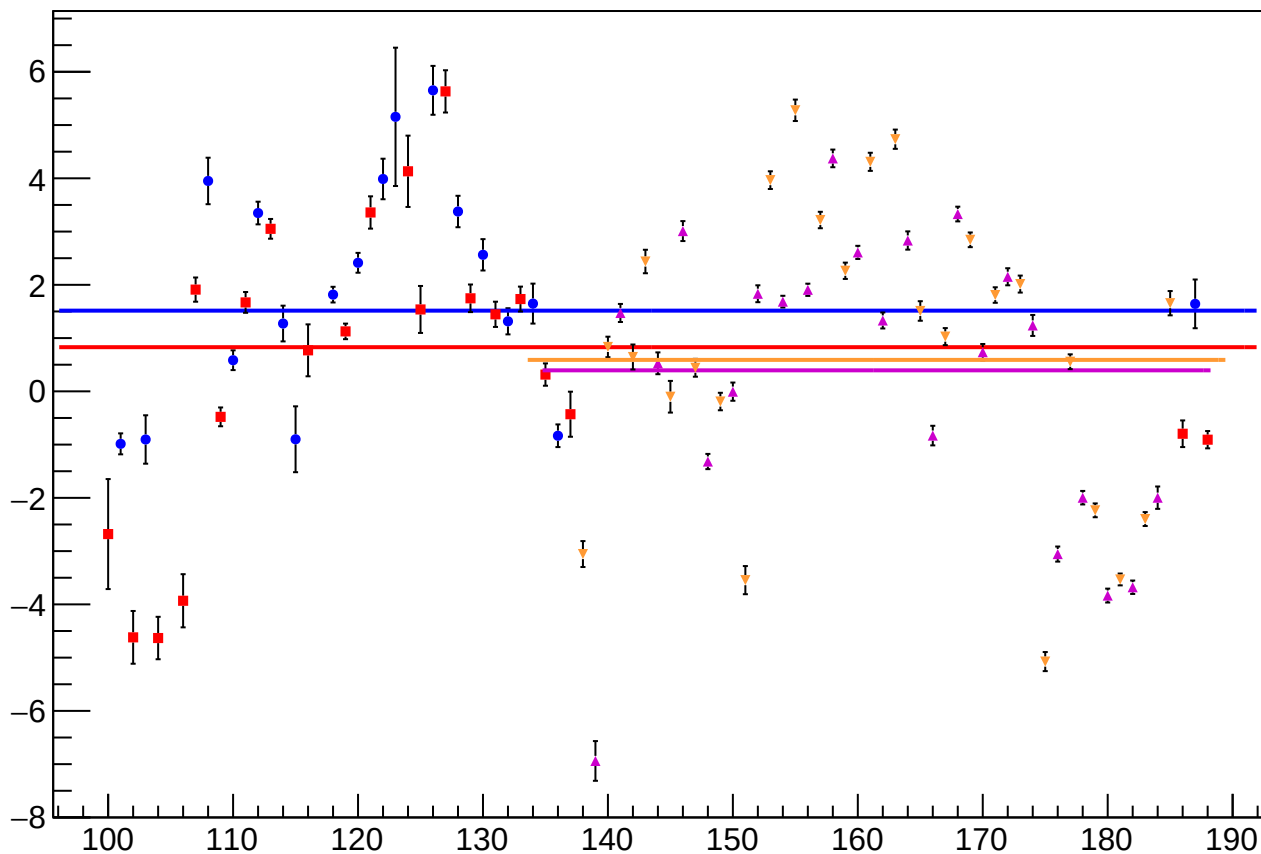
Right: 2.823 ± 0.092 χ^2/NDF : 57.4/2

In: -16.989 ± 0.039 χ^2/NDF : 48262.5/23

Out: -15.420 ± 0.037 χ^2/NDF : 128484.6/26

All: -16.170 ± 0.027 χ^2/NDF : 177601.9/50

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.515 ± 0.062 χ^2/NDF : 669.8/17

Left Out: 0.590 ± 0.033 χ^2/NDF : 6780.3/24

Right Out: 0.829 ± 0.055 χ^2/NDF : 1103.9/20

Left In: 0.394 ± 0.032 χ^2/NDF : 6112.7/22

Left: 0.487 ± 0.023 χ^2/NDF : 12911.2/47

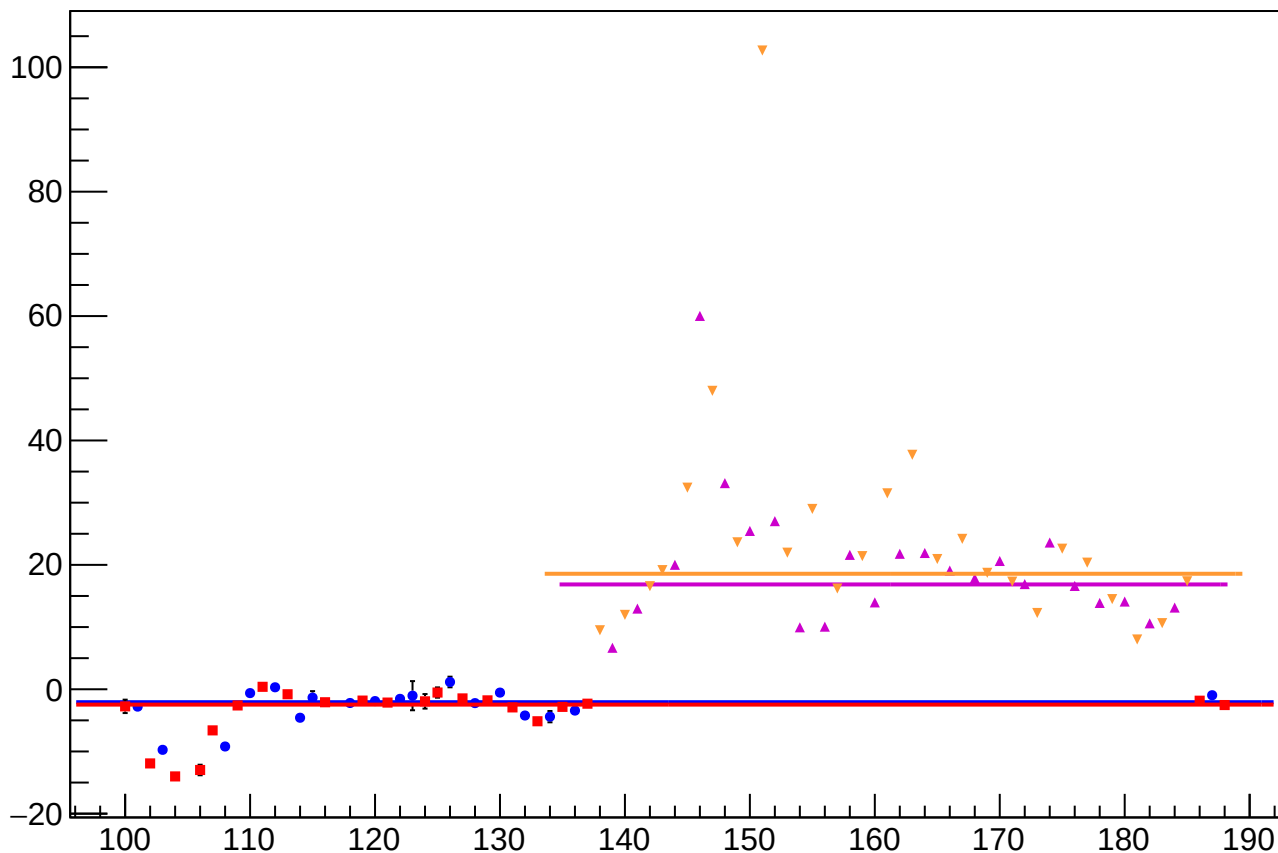
Right: 1.131 ± 0.041 χ^2/NDF : 1842.1/38

In: 0.625 ± 0.028 χ^2/NDF : 7041.2/40

Out: 0.655 ± 0.028 χ^2/NDF : 7897.9/45

All: 0.640 ± 0.020 χ^2/NDF : 14939.7/86

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.080 ± 0.103 χ^2/NDF : 468.4/17

Left Out: 18.569 ± 0.040 χ^2/NDF : 75983.2/24

Right Out: -2.465 ± 0.062 χ^2/NDF : 858.3/20

Left In: 16.854 ± 0.039 χ^2/NDF : 40590.0/22

Left: 17.679 ± 0.028 χ^2/NDF : 117514.0/47

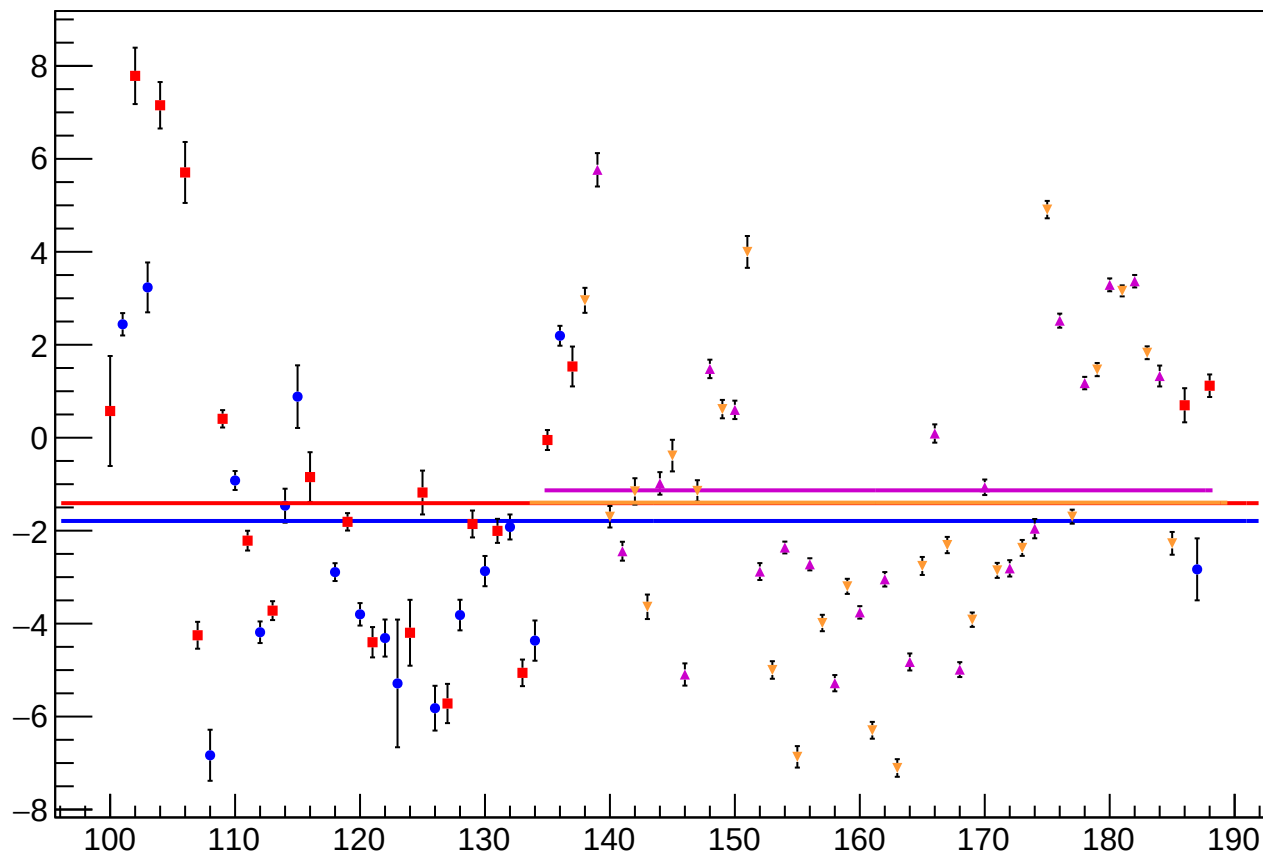
Right: -2.362 ± 0.053 χ^2/NDF : 1337.0/38

In: 14.490 ± 0.036 χ^2/NDF : 70833.6/40

Out: 12.368 ± 0.034 χ^2/NDF : 157164.2/45

All: 13.356 ± 0.025 χ^2/NDF : 229828.9/86

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.791 ± 0.072 $\chi^2/\text{NDF}: 1274.5/17$

Left Out: -1.397 ± 0.037 $\chi^2/\text{NDF}: 7631.3/24$

Right Out: -1.408 ± 0.064 $\chi^2/\text{NDF}: 1586.8/20$

Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6638.3/22$

Left: -1.258 ± 0.025 $\chi^2/\text{NDF}: 14296.5/47$

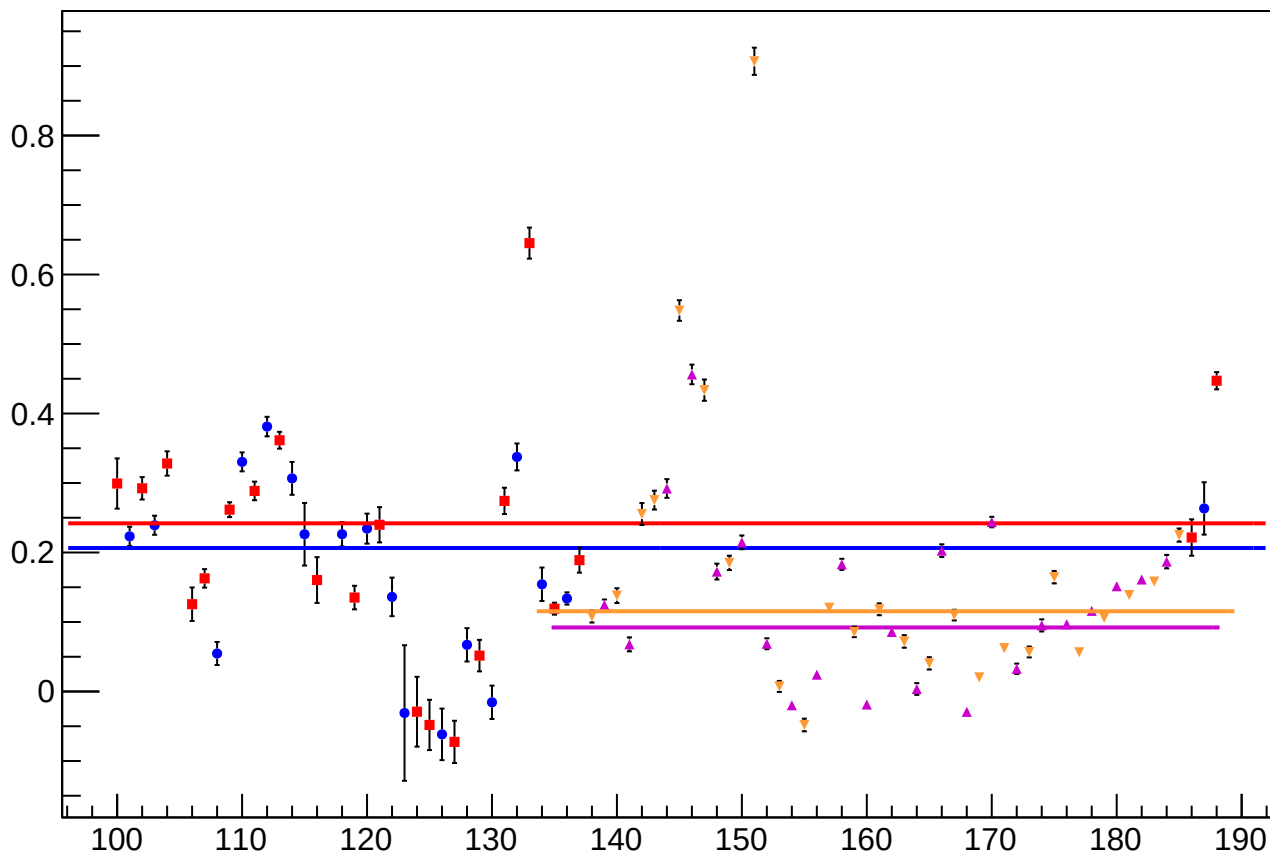
Right: -1.579 ± 0.048 $\chi^2/\text{NDF}: 2877.0/38$

In: -1.259 ± 0.032 $\chi^2/\text{NDF}: 7980.7/40$

Out: -1.399 ± 0.032 $\chi^2/\text{NDF}: 9218.1/45$

All: -1.328 ± 0.022 $\chi^2/\text{NDF}: 17208.6/86$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.206 $\pm$ 0.004 χ^2 /NDF: 654.1/17
 Left Out: 0.115 $\pm$ 0.002 χ^2 /NDF:4423.4/24
 Right Out: 0.242 $\pm$ 0.004 χ^2 /NDF: 1340.9/20
 Left In: 0.092 $\pm$ 0.002 χ^2 /NDF:3632.6/22

Left: 0.103 $\pm$ 0.001 χ^2 /NDF: 8162.4/47
 Right: 0.227 $\pm$ 0.003 χ^2 /NDF: 2035.6/38
 In: 0.106 $\pm$ 0.001 χ^2 /NDF:4931.6/40
 Out: 0.137 $\pm$ 0.002 χ^2 /NDF:6771.5/45
 All: 0.121 $\pm$ 0.001 χ^2 /NDF: 11931.5/86