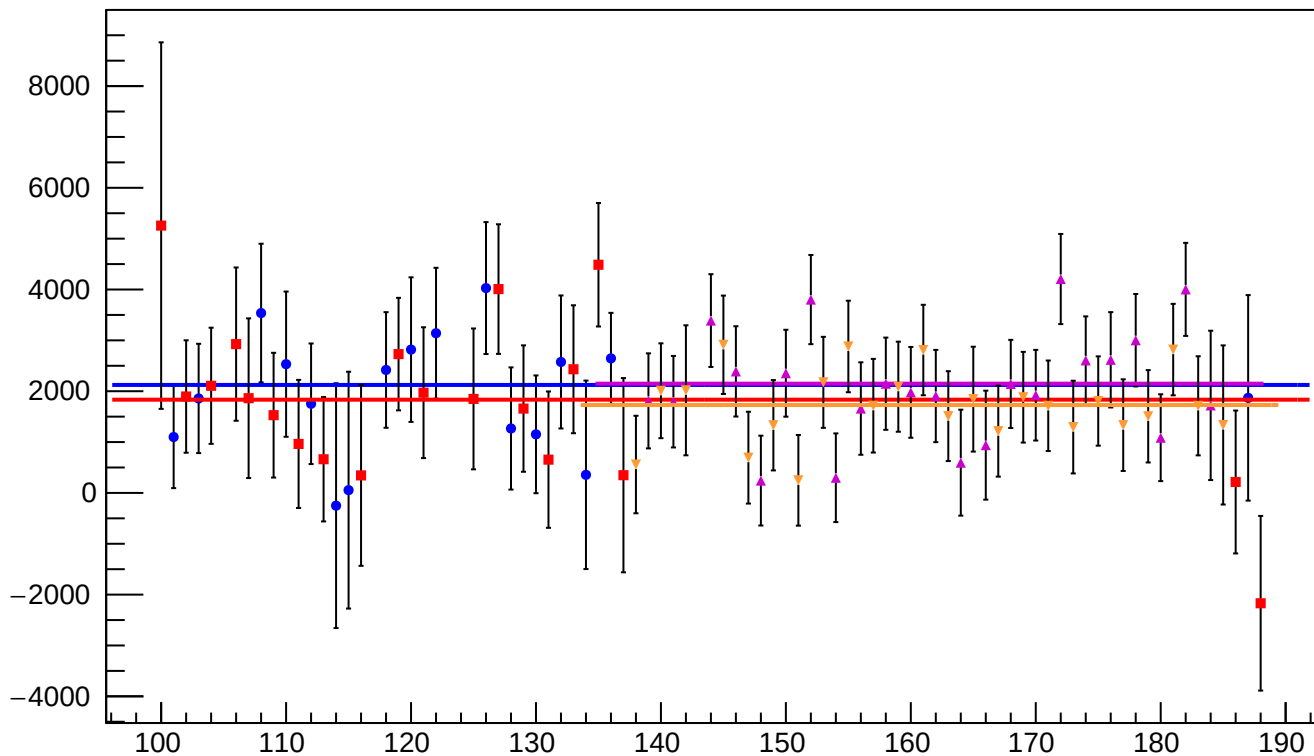


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2123.356+/-312.689

χ^2/NDF : 9.8/16

Left Out: 1728.518+/-190.668

χ^2/NDF :13.4/23

Right Out: 1833.471+/-301.782

χ^2/NDF : 20.4/19

Left In: 2148.611+/-191.090

χ^2/NDF :31.5/22

Left: 1938.099+/-134.972

χ^2/NDF : 47.3/46

Right: 1973.270+/-217.146

χ^2/NDF : 30.6/36

In: 2141.744+/-163.053

χ^2/NDF :41.3/39

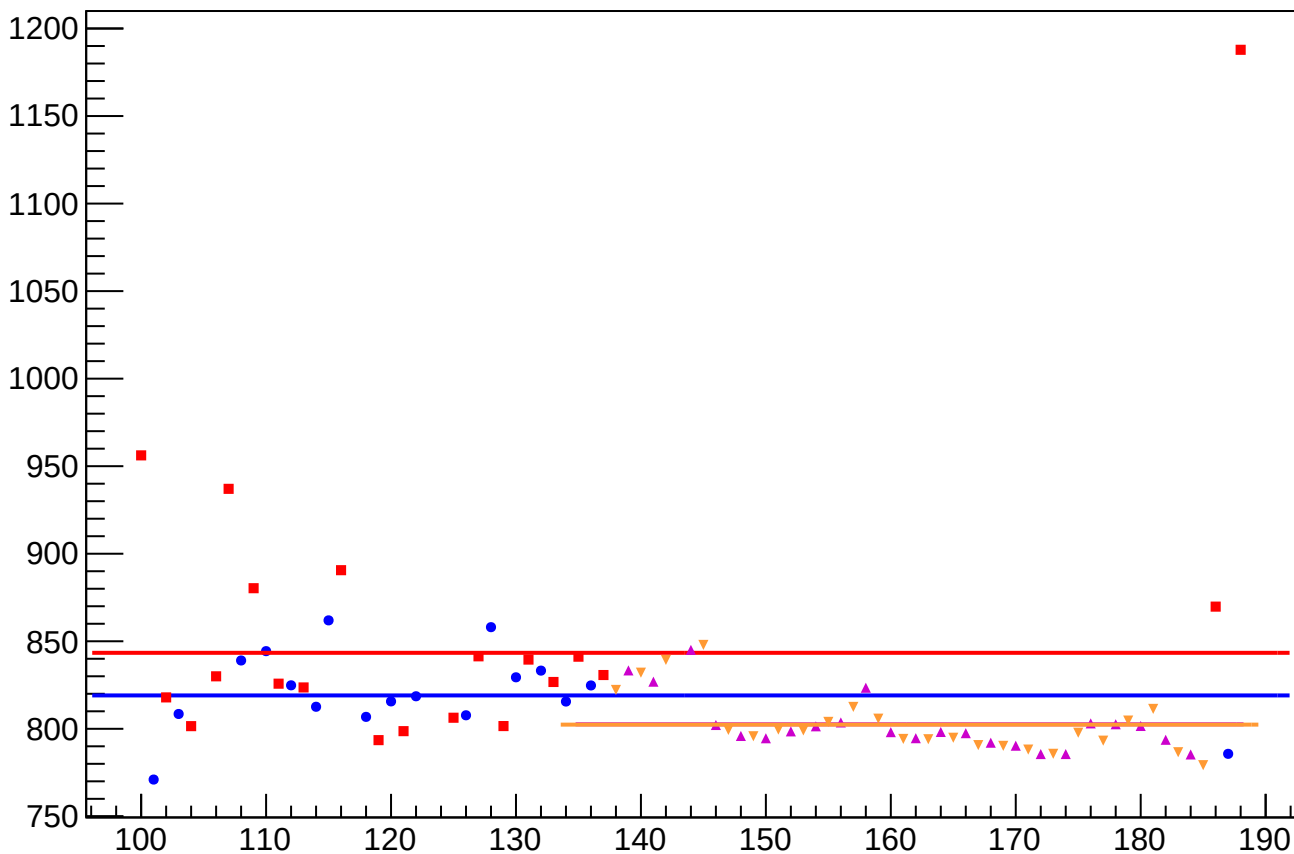
Out: 1758.461+/-161.191

χ^2/NDF :33.9/43

All: 1947.900+/-114.632

χ^2/NDF : 77.9/83

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 819.064 ± 0.221 χ^2/NDF : 10096.4/16

Left Out: 802.383 ± 0.135 χ^2/NDF : 13224.9/23

Right Out: 843.400 ± 0.213 χ^2/NDF : 108920.6/19

Left In: 802.565 ± 0.135 χ^2/NDF : 12297.8/22

Left: 802.474 ± 0.095 χ^2/NDF : 25523.6/46

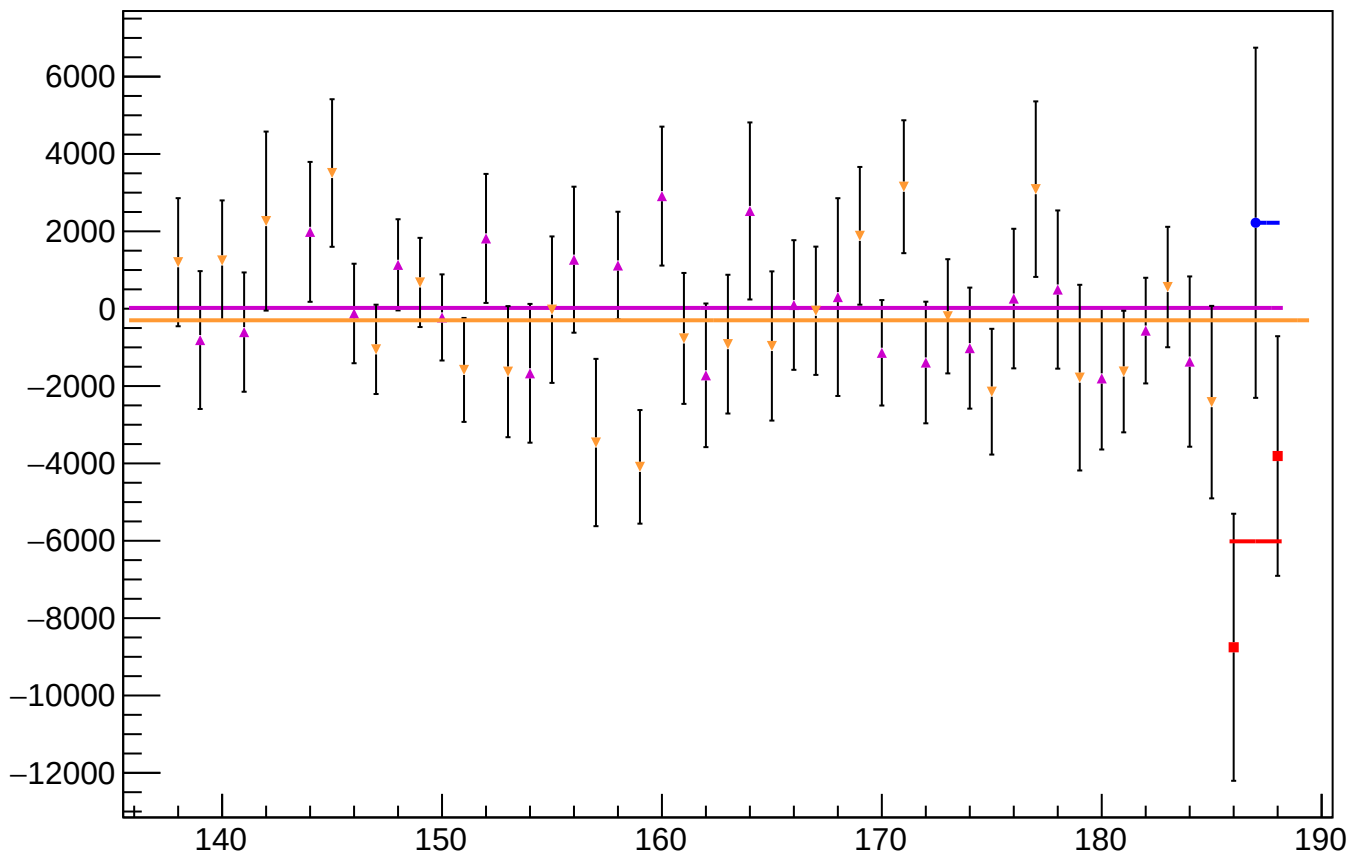
Right: 831.664 ± 0.154 χ^2/NDF : 125288.9/36

In: 807.052 ± 0.115 χ^2/NDF : 26448.3/39

Out: 814.085 ± 0.114 χ^2/NDF : 148550.9/43

All: 810.609 ± 0.081 χ^2/NDF : 176881.1/83

asym_us_avg_correction_mean vs Slug, Sign Corrected



Right In: 2221.640 $\pm$ 4526.709 χ^2 /NDF: 0.0/0

Left Out: -299.797 $\pm$ 338.388 χ^2 /NDF:30.0/23

Right Out: -6014.347 $\pm$ 2305.518 χ^2 /NDF: 1.1/1

Left In: 20.057 $\pm$ 335.636 χ^2 /NDF:13.9/22

Left: -138.564 $\pm$ 238.297 χ^2 /NDF: 44.4/46

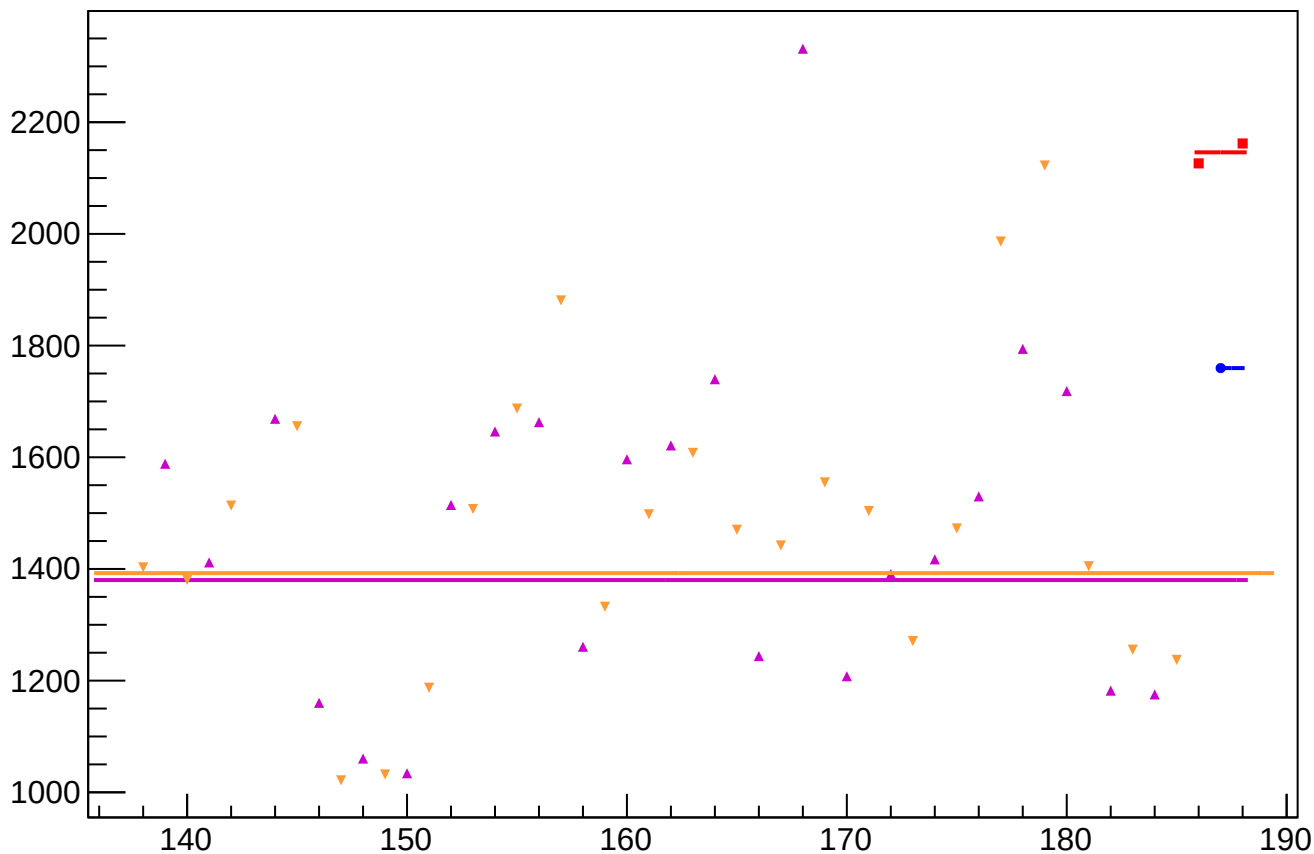
Right: -4317.966 $\pm$ 2054.407 χ^2 /NDF: 3.8/2

In: 32.094 $\pm$ 334.717 χ^2 /NDF:14.2/23

Out: -420.306 $\pm$ 334.801 χ^2 /NDF:37.2/25

All: -194.049 $\pm$ 236.710 χ^2 /NDF: 52.3/49

asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 1759.691 $\pm$ 3.201 χ^2/NDF : 0.0/0

Left Out: 1392.560 $\pm$ 0.239 χ^2/NDF :1085979.5/23

Right Out: 2146.073 $\pm$ 1.630 χ^2/NDF : 118.2/1

Left In: 1380.121 $\pm$ 0.237 χ^2/NDF :1252901.4/22

Left: 1386.290 $\pm$ 0.169 χ^2/NDF : 2340243.2/46

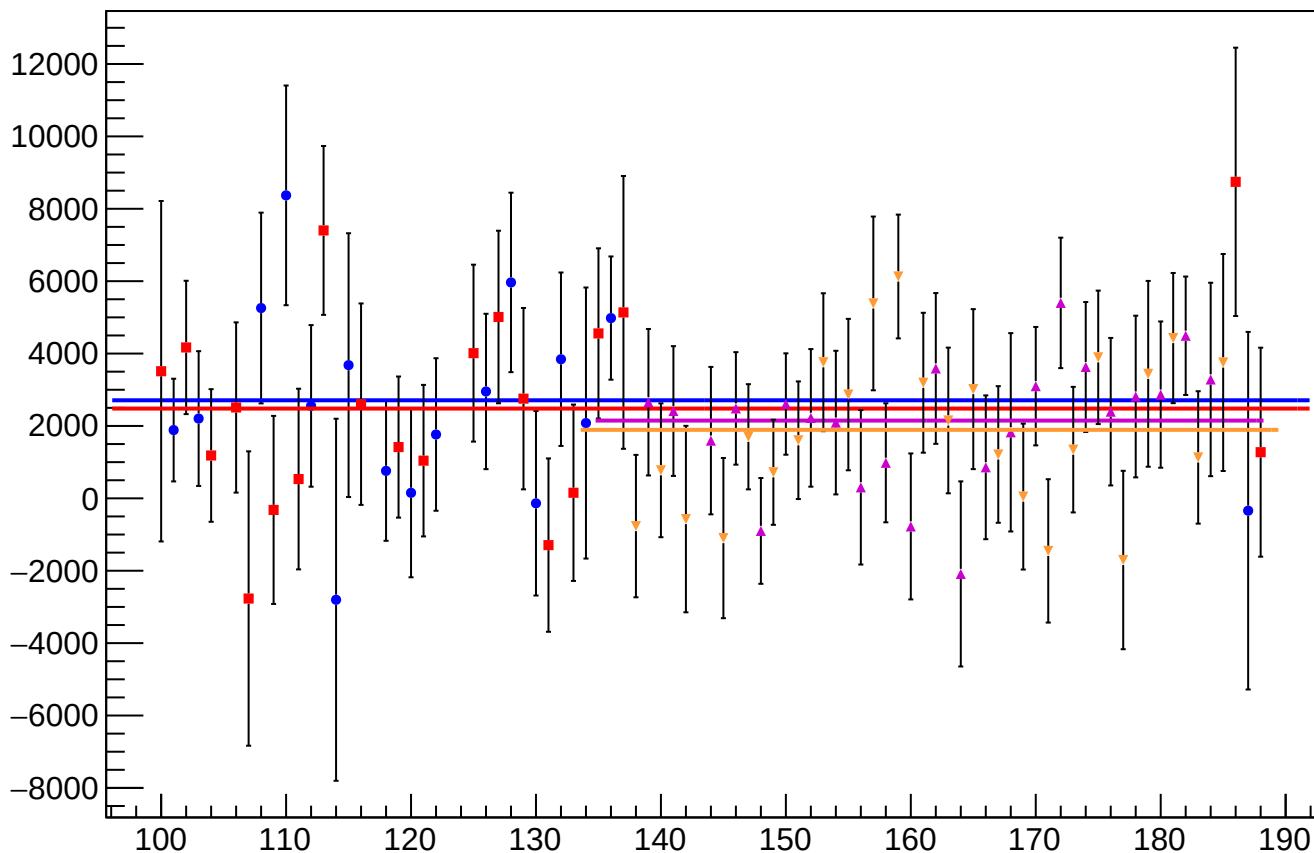
Right: 2066.489 $\pm$ 1.453 χ^2/NDF : 11688.3/2

In: 1382.196 $\pm$ 0.237 χ^2/NDF :1266886.5/23

Out: 1408.450 $\pm$ 0.237 χ^2/NDF :1295228.5/25

All: 1395.320 $\pm$ 0.167 χ^2/NDF : 2568265.7/49

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2709.158+/-559.323 χ^2/NDF : 13.9/16

Left Out: 1892.511+/-394.798 χ^2/NDF : 25.9/23

Right Out: 2480.222+/-552.007 χ^2/NDF : 19.3/19

Left In: 2148.867+/-391.716 χ^2/NDF : 18.4/22

Left: 2021.694+/-278.068 χ^2/NDF : 44.6/46

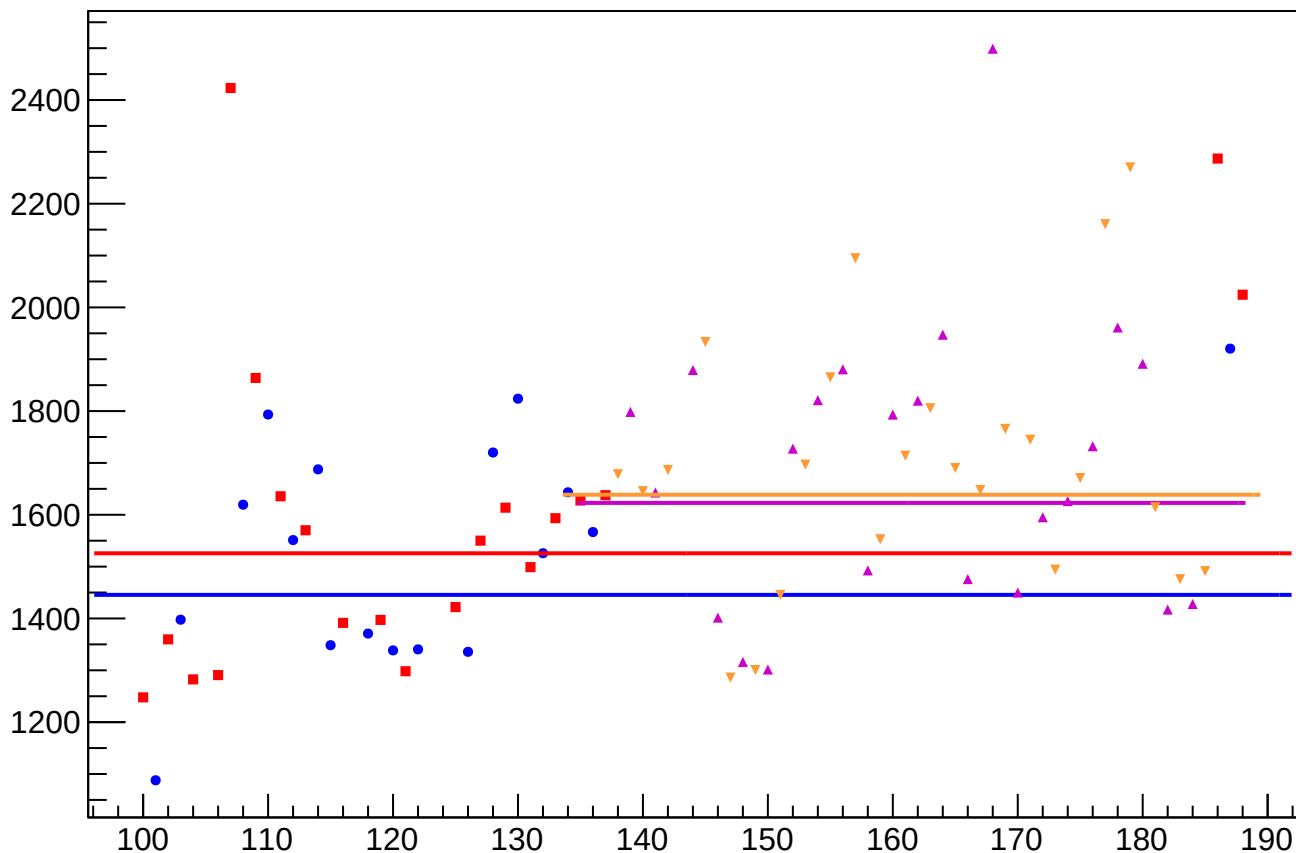
Right: 2593.183+/-392.889 χ^2/NDF : 33.3/36

In: 2333.243+/-320.855 χ^2/NDF : 33.0/39

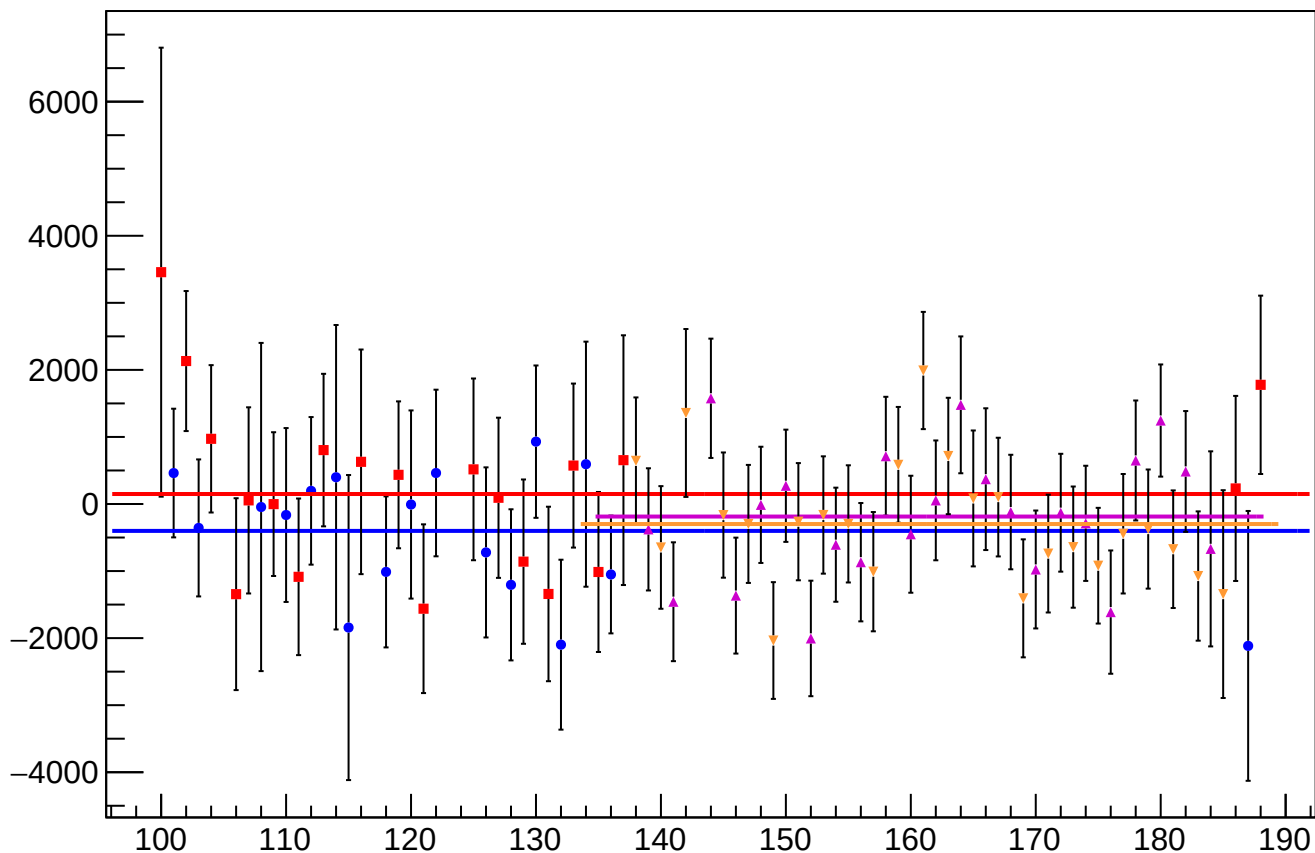
Out: 2091.400+/-321.121 χ^2/NDF : 46.0/43

All: 2212.422+/-226.973 χ^2/NDF : 79.3/83

asym_us_avg_rms vs Slug, Sign Corrected



dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -401.065 $\pm$ 306.942 χ^2 /NDF: 7.9/16

Left Out: -298.690 $\pm$ 186.973 χ^2 /NDF:21.0/23

Right Out: 149.033 $\pm$ 285.209 χ^2 /NDF: 14.4/19

Left In: -187.064 $\pm$ 187.529 χ^2 /NDF:25.4/22

Left: -243.043 $\pm$ 132.406 χ^2 /NDF: 46.5/46

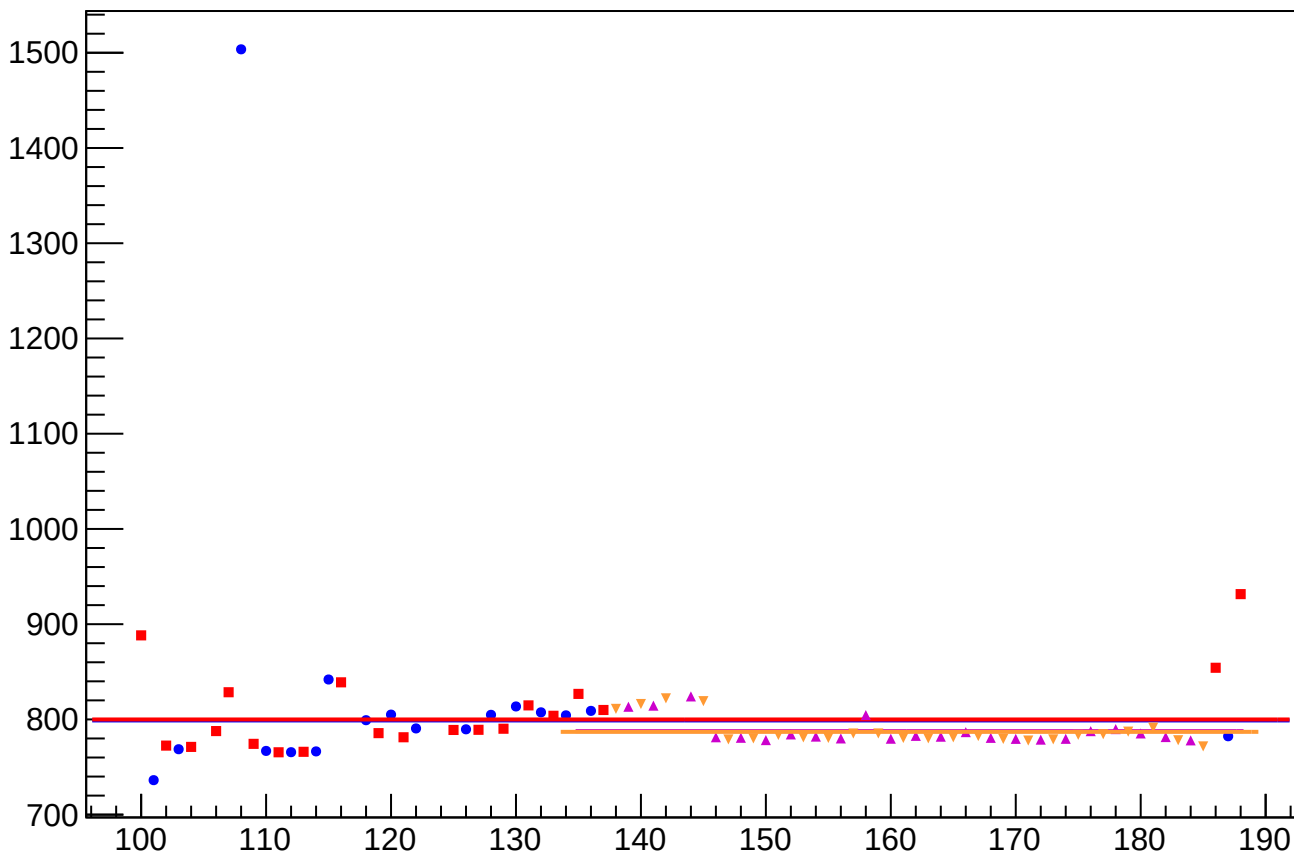
Right: -105.853 $\pm$ 208.934 χ^2 /NDF: 24.0/36

In: -245.232 $\pm$ 160.026 χ^2 /NDF:33.6/39

Out: -164.111 $\pm$ 156.367 χ^2 /NDF:37.1/43

All: -203.734 $\pm$ 111.840 χ^2 /NDF: 70.8/83

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 798.926+/-0.217 χ^2/NDF : 181443.4/16

Left Out: 786.958+/-0.132 χ^2/NDF : 9150.0/23

Right Out: 799.947+/-0.202 χ^2/NDF : 36131.1/19

Left In: 787.707+/-0.133 χ^2/NDF : 9449.8/22

Left: 787.331+/-0.094 χ^2/NDF : 18615.8/46

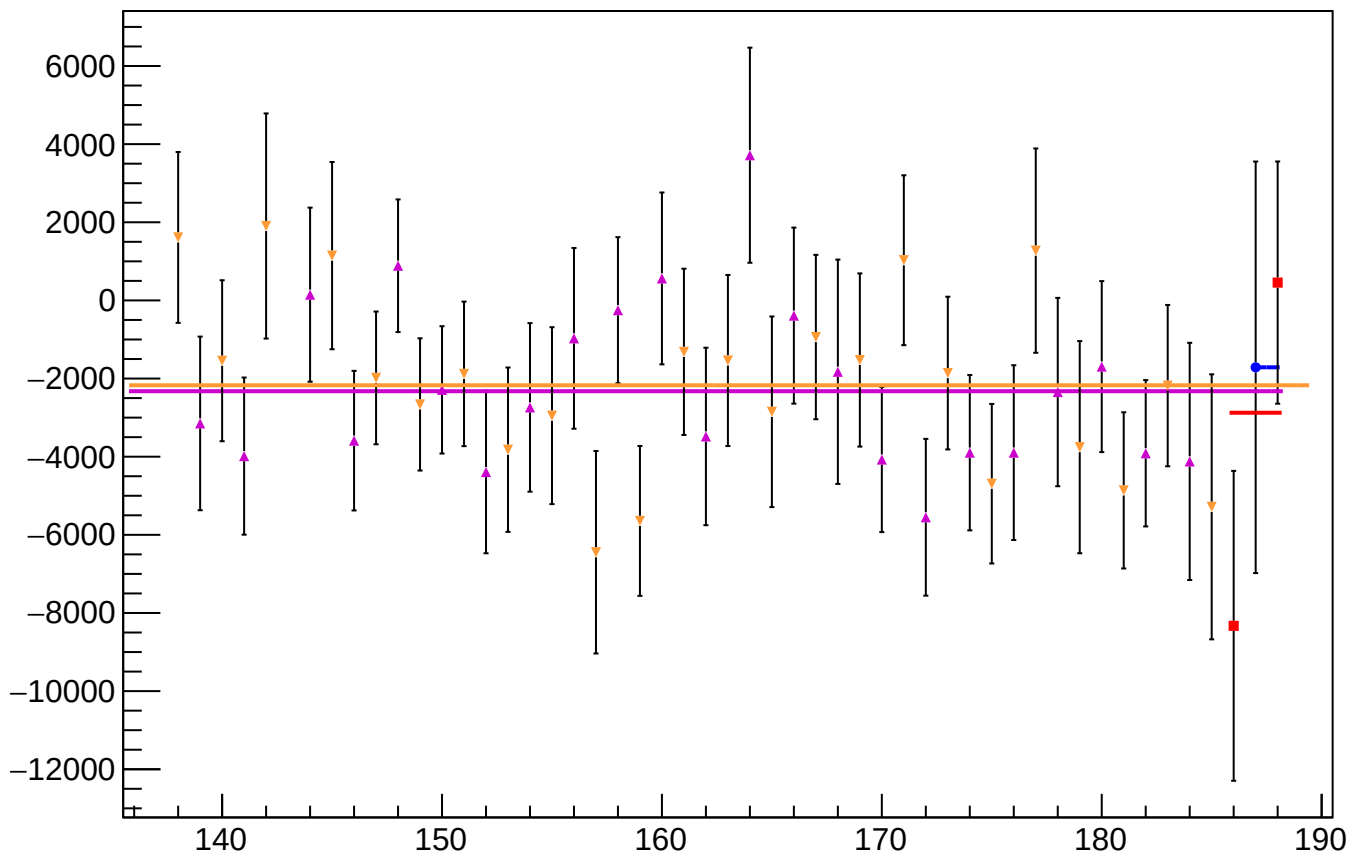
Right: 799.474+/-0.148 χ^2/NDF : 217586.4/36

In: 790.757+/-0.113 χ^2/NDF : 192839.0/39

Out: 790.862+/-0.111 χ^2/NDF : 48182.4/43

All: 790.811+/-0.079 χ^2/NDF : 241021.8/83

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -1712.280+/-5266.712 χ^2/NDF : 0.0/0

Left Out: -2171.959+/-440.110 χ^2/NDF :23.1/23

Right Out: -2875.037+/-2442.258 χ^2/NDF : 3.0/1

Left In: -2323.747+/-437.513 χ^2/NDF :22.0/22

Left: -2248.302+/-310.283 χ^2/NDF : 45.2/46

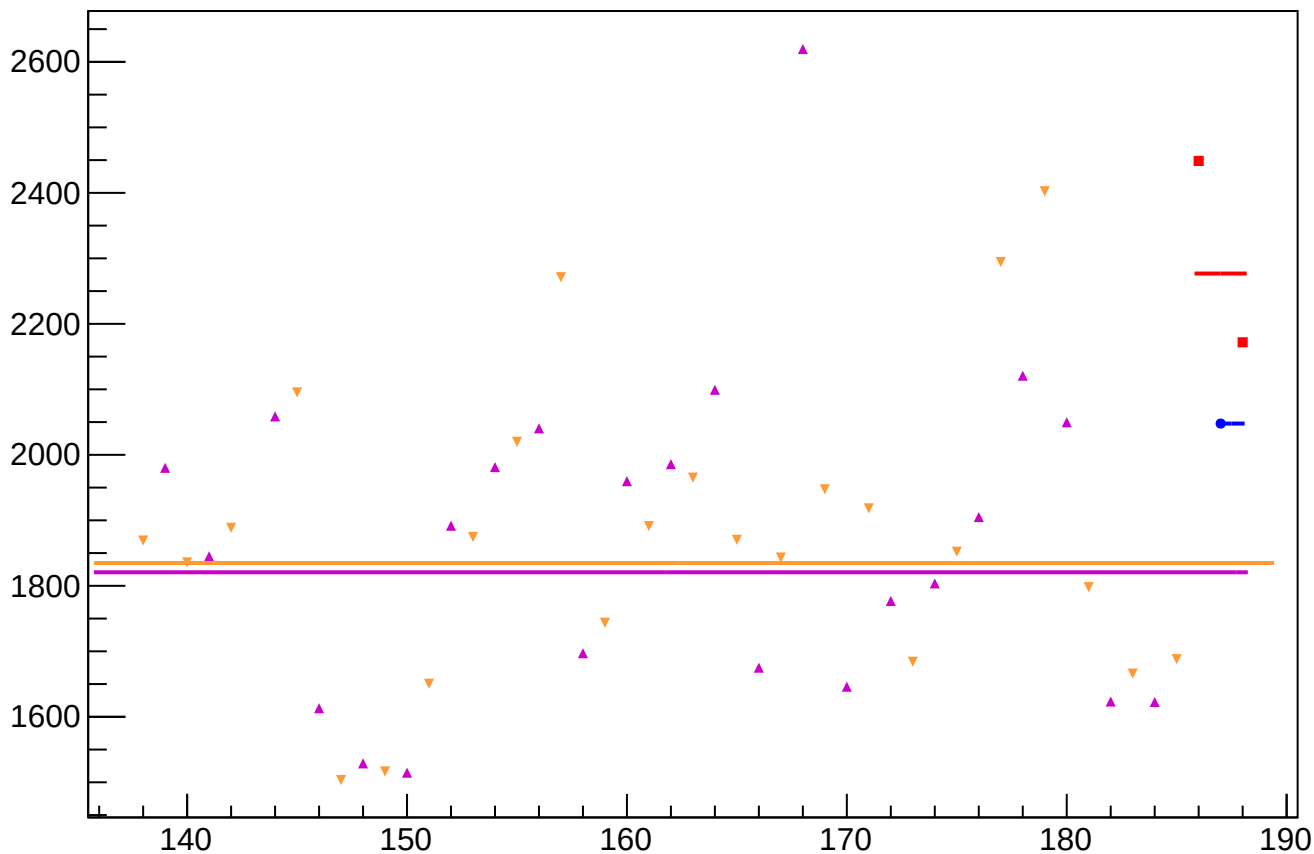
Right: -2669.256+/-2215.632 χ^2/NDF : 3.1/2

In: -2319.556+/-436.012 χ^2/NDF :22.1/23

Out: -2194.072+/-433.133 χ^2/NDF :26.2/25

All: -2256.399+/-307.284 χ^2/NDF : 48.3/49

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 2047.732 $\pm$ 3.724 χ^2 /NDF: 0.0/0

Left Out: 1834.851 $\pm$ 0.311 χ^2 /NDF:462857.6/23

Right Out: 2276.842 $\pm$ 1.727 χ^2 /NDF: 6052.3/1

Left In: 1820.669 $\pm$ 0.309 χ^2 /NDF:537910.0/22

Left: 1827.718 $\pm$ 0.219 χ^2 /NDF: 1001812.1/46

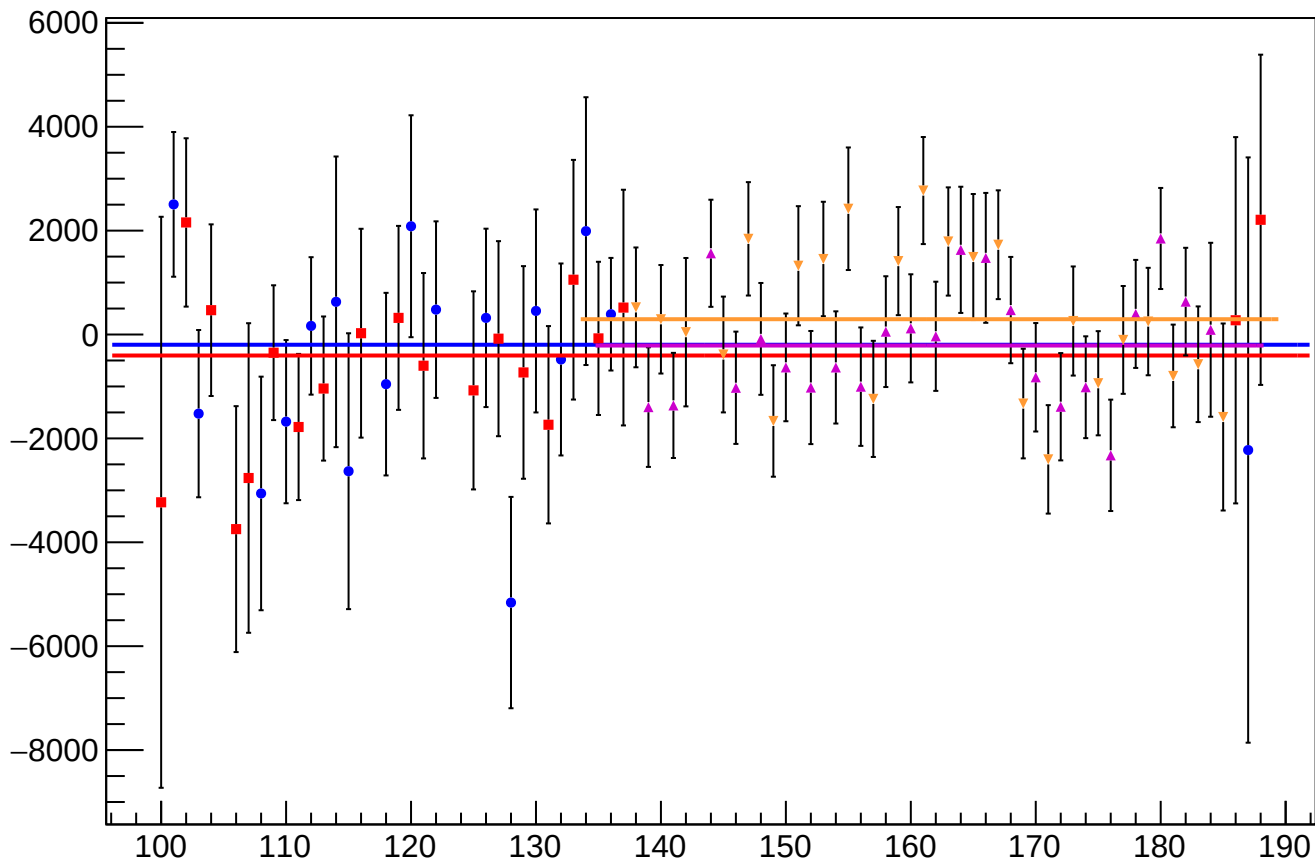
Right: 2236.295 $\pm$ 1.567 χ^2 /NDF: 9167.3/2

In: 1822.226 $\pm$ 0.308 χ^2 /NDF:541601.9/23

Out: 1848.753 $\pm$ 0.306 χ^2 /NDF:532354.6/25

All: 1835.577 $\pm$ 0.217 χ^2 /NDF: 1077682.6/49

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: -404.179 ± 420.108 $\chi^2/\text{NDF}: 9.1/19$

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

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

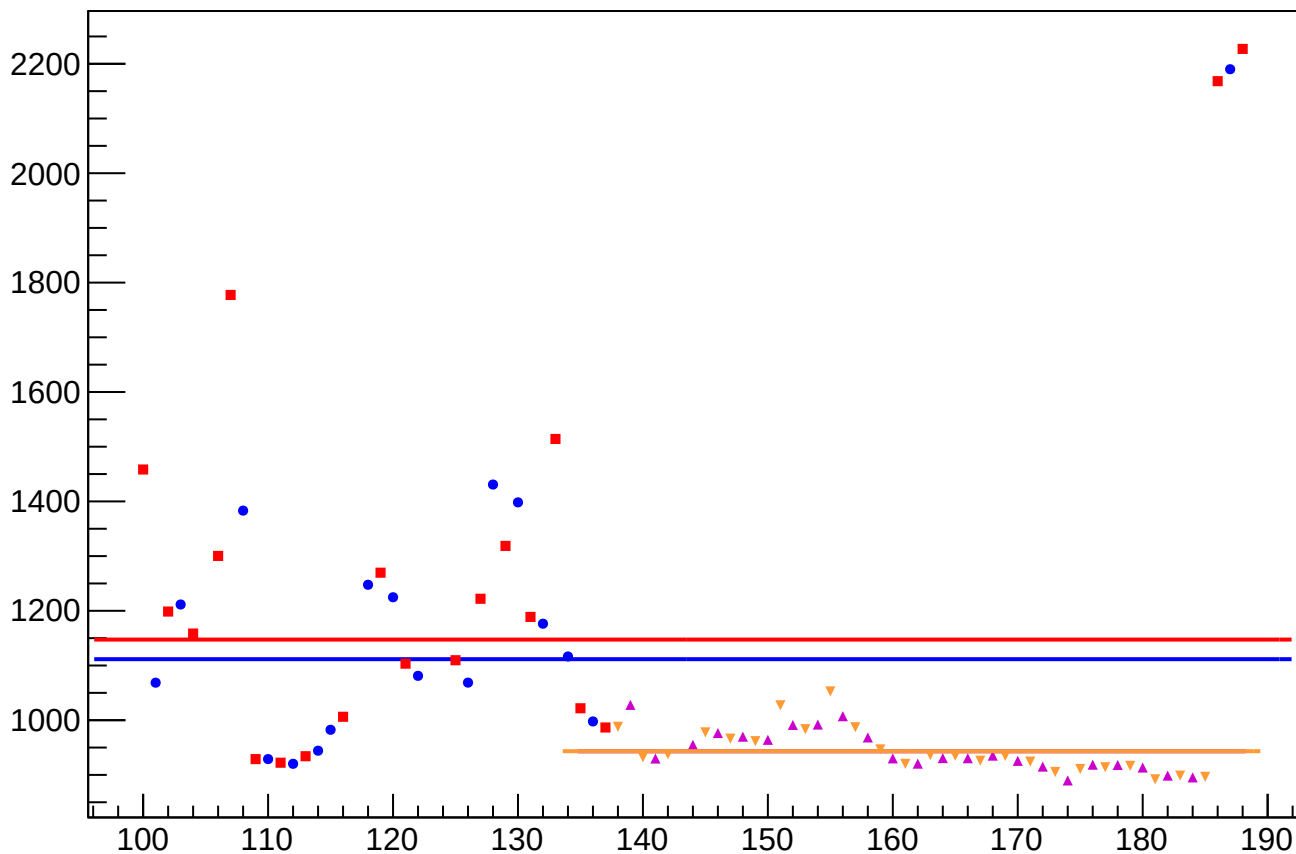
Right: -303.030 ± 300.578 $\chi^2/\text{NDF}: 25.9/36$

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

Out: 139.585 ± 197.895 $\chi^2/\text{NDF}: 49.5/43$

All: -33.505 ± 140.382 $\chi^2/\text{NDF}: 91.6/83$

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1111.562 $\pm$ 0.304 χ^2 /NDF: 329090.1/16

Left Out: 943.327 $\pm$ 0.159 χ^2 /NDF:60410.5/23

Right Out: 1147.416 $\pm$ 0.297 χ^2 /NDF: 774434.1/19

Left In: 943.137 $\pm$ 0.159 χ^2 /NDF:49948.2/22

Left: 943.232 $\pm$ 0.112 χ^2 /NDF: 110359.4/46

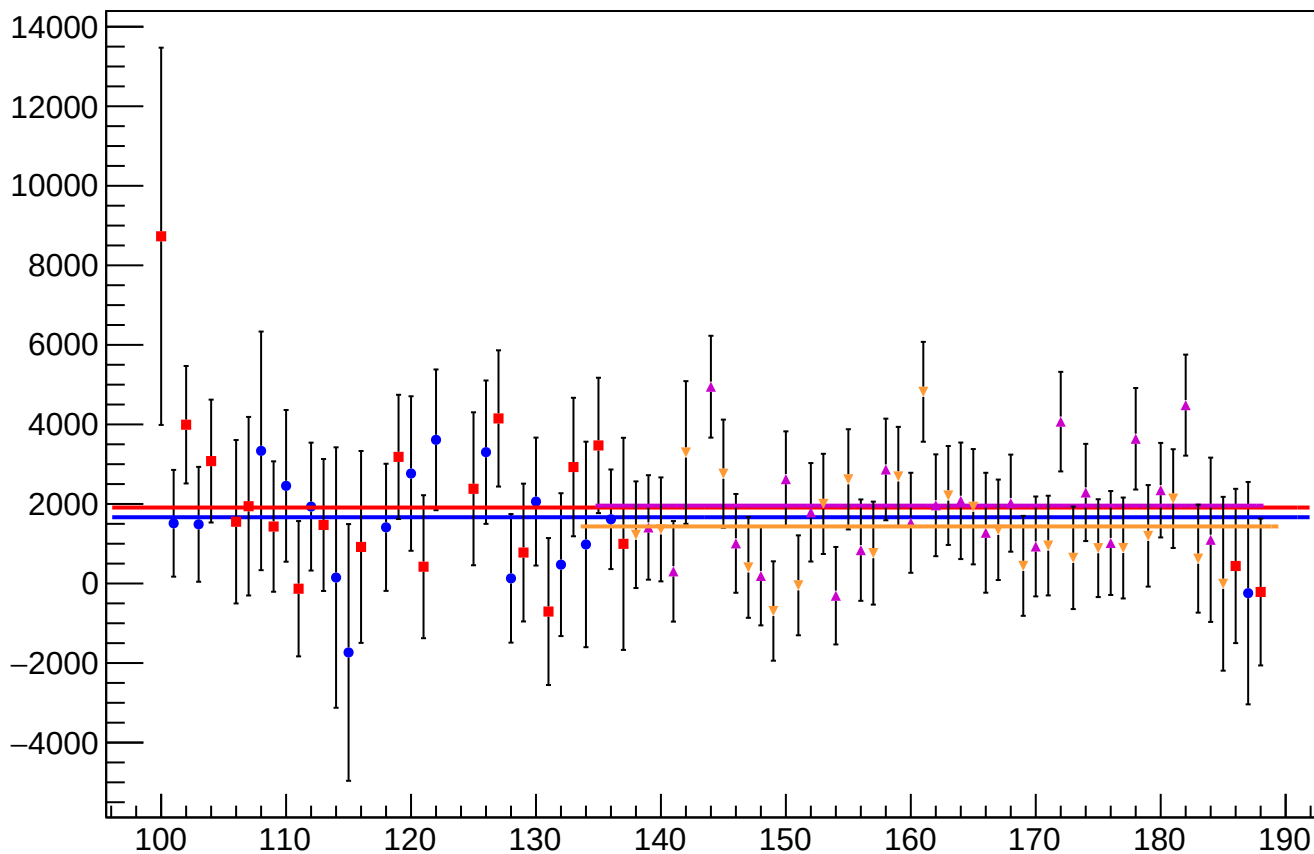
Right: 1129.916 $\pm$ 0.213 χ^2 /NDF: 1110634.3/36

In: 979.232 $\pm$ 0.141 χ^2 /NDF:619853.5/39

Out: 988.613 $\pm$ 0.140 χ^2 /NDF:1202111.5/43

All: 983.953 $\pm$ 0.099 χ^2 /NDF: 1824197.7/83

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1666.106 $\pm$ 435.423 χ^2 /NDF: 6.2/16

Left Out: 1434.882 $\pm$ 267.816 χ^2 /NDF:19.8/23

Right Out: 1910.137 $\pm$ 410.246 χ^2 /NDF: 15.2/19

Left In: 1957.574 $\pm$ 268.487 χ^2 /NDF:25.4/22

Left: 1695.574 $\pm$ 189.611 χ^2 /NDF: 47.1/46

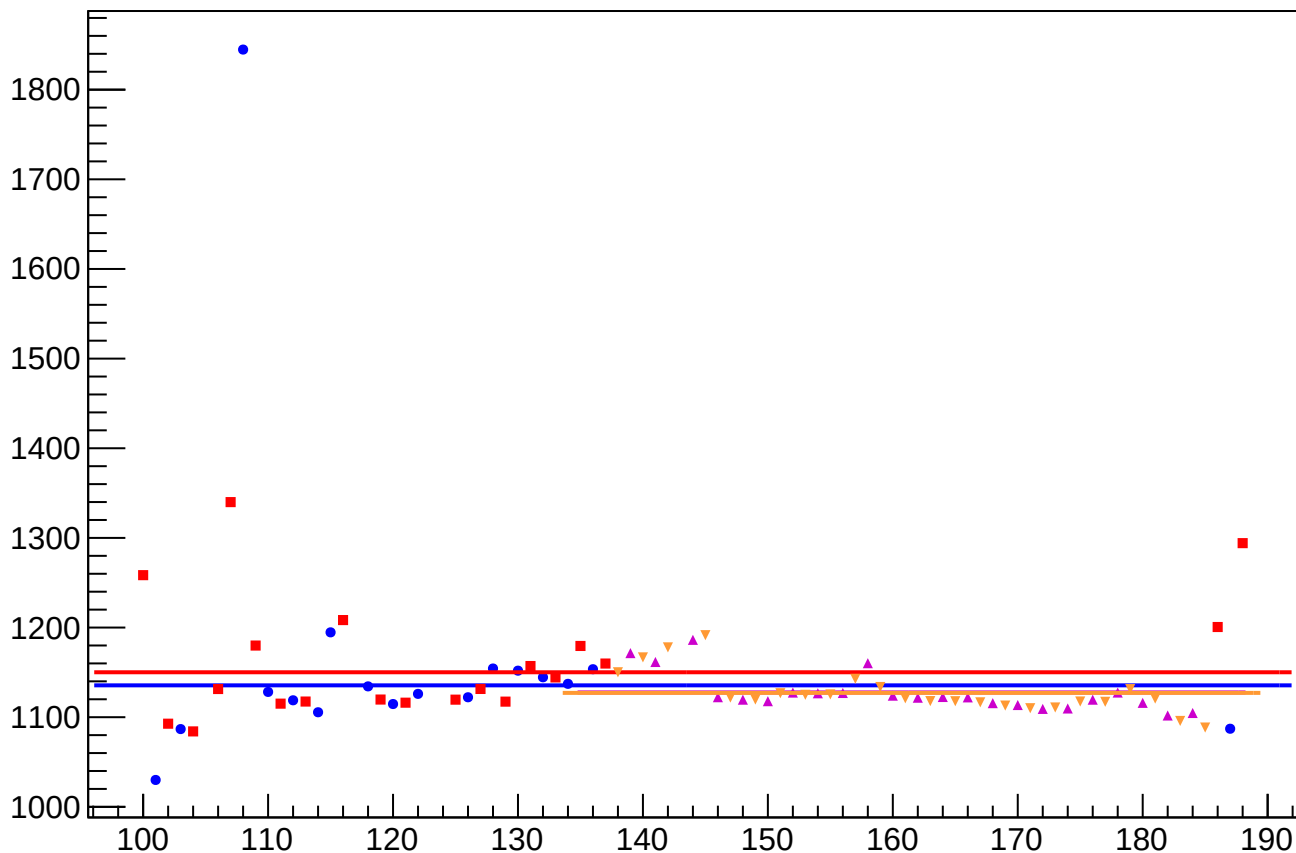
Right: 1795.380 $\pm$ 298.592 χ^2 /NDF: 21.5/36

In: 1877.282 $\pm$ 228.534 χ^2 /NDF:31.9/39

Out: 1576.899 $\pm$ 224.259 χ^2 /NDF:35.9/43

All: 1724.255 $\pm$ 160.065 χ^2 /NDF: 68.7/83

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1135.534 $\pm$ 0.308 χ^2 /NDF: 129412.5/16

Left Out: 1127.125 $\pm$ 0.189 χ^2 /NDF:12305.7/23

Right Out: 1150.124 $\pm$ 0.290 χ^2 /NDF: 42729.8/19

Left In: 1127.655 $\pm$ 0.190 χ^2 /NDF:12177.6/22

Left: 1127.390 $\pm$ 0.134 χ^2 /NDF: 24487.2/46

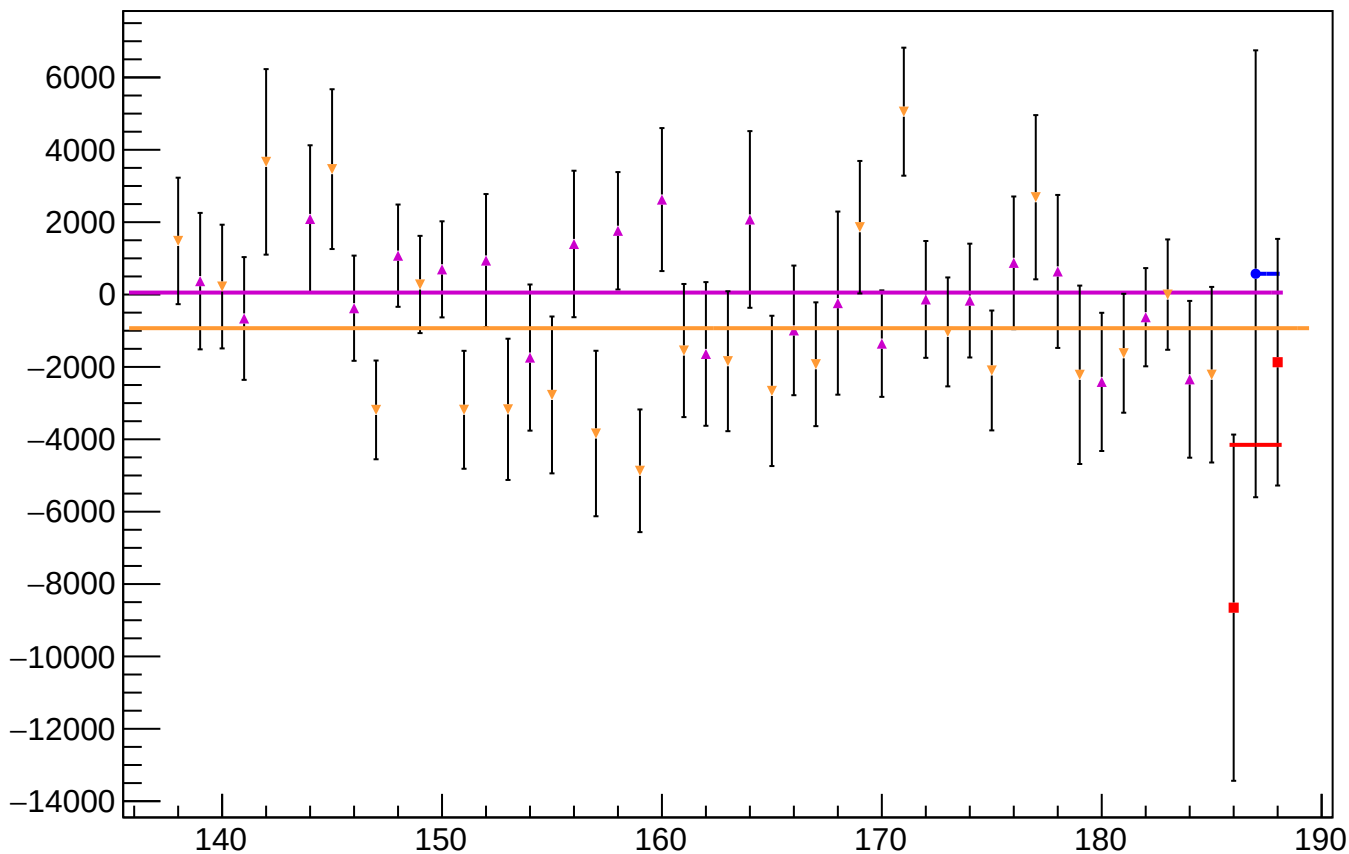
Right: 1143.263 $\pm$ 0.211 χ^2 /NDF: 173331.8/36

In: 1129.826 $\pm$ 0.162 χ^2 /NDF:142064.6/39

Out: 1133.998 $\pm$ 0.159 χ^2 /NDF:59442.9/43

All: 1131.951 $\pm$ 0.113 χ^2 /NDF: 201847.0/83

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: 573.788 $\pm$ 6174.885 χ^2 /NDF: 0.0/0

Left Out: -929.515 $\pm$ 367.619 χ^2 /NDF:43.4/23

Right Out: -4153.311 $\pm$ 2775.563 χ^2 /NDF: 1.3/1

Left In: 54.483 $\pm$ 364.557 χ^2 /NDF:12.5/22

Left: -433.400 $\pm$ 258.857 χ^2 /NDF: 59.4/46

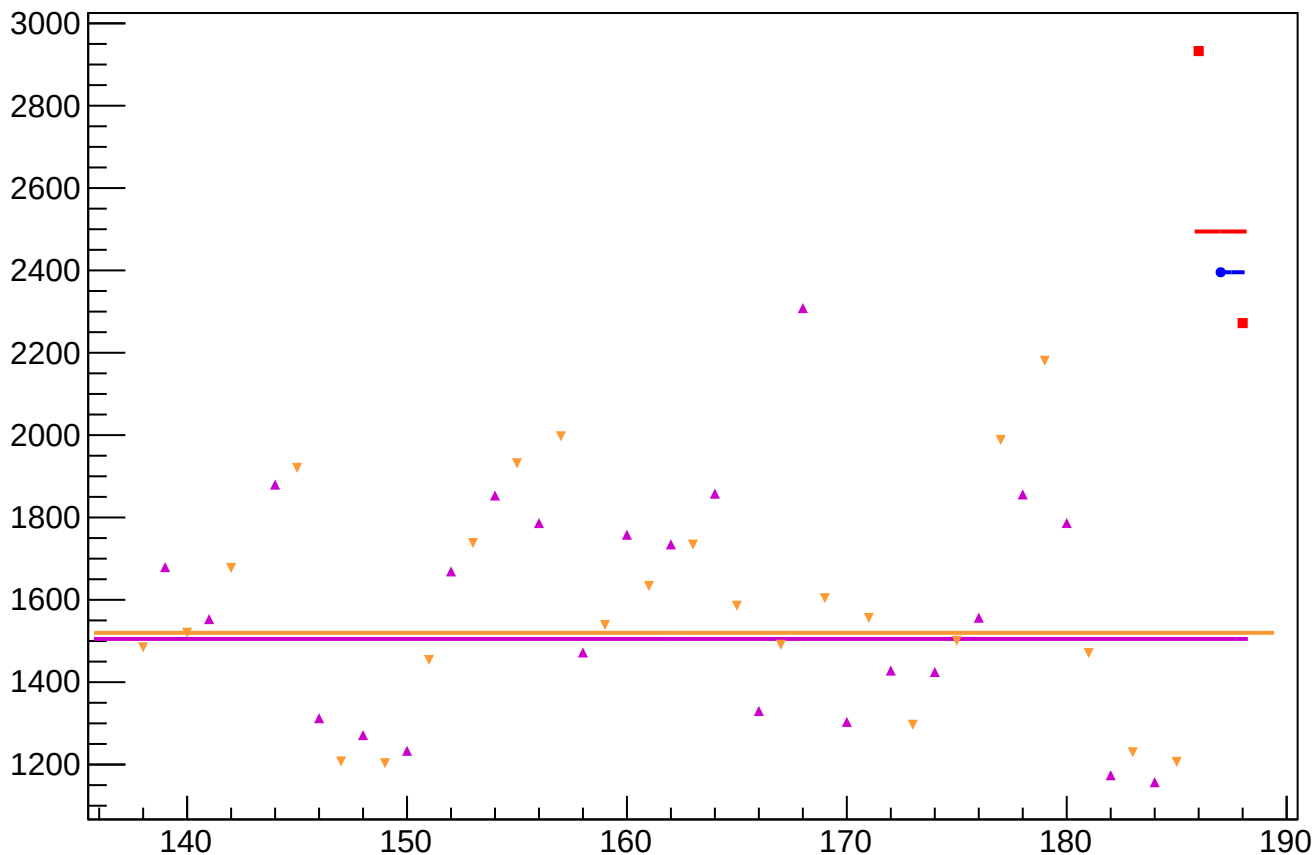
Right: -3358.765 $\pm$ 2531.577 χ^2 /NDF: 1.8/2

In: 56.287 $\pm$ 363.923 χ^2 /NDF:12.5/23

Out: -985.094 $\pm$ 364.437 χ^2 /NDF:46.0/25

All: -463.669 $\pm$ 257.514 χ^2 /NDF: 62.6/49

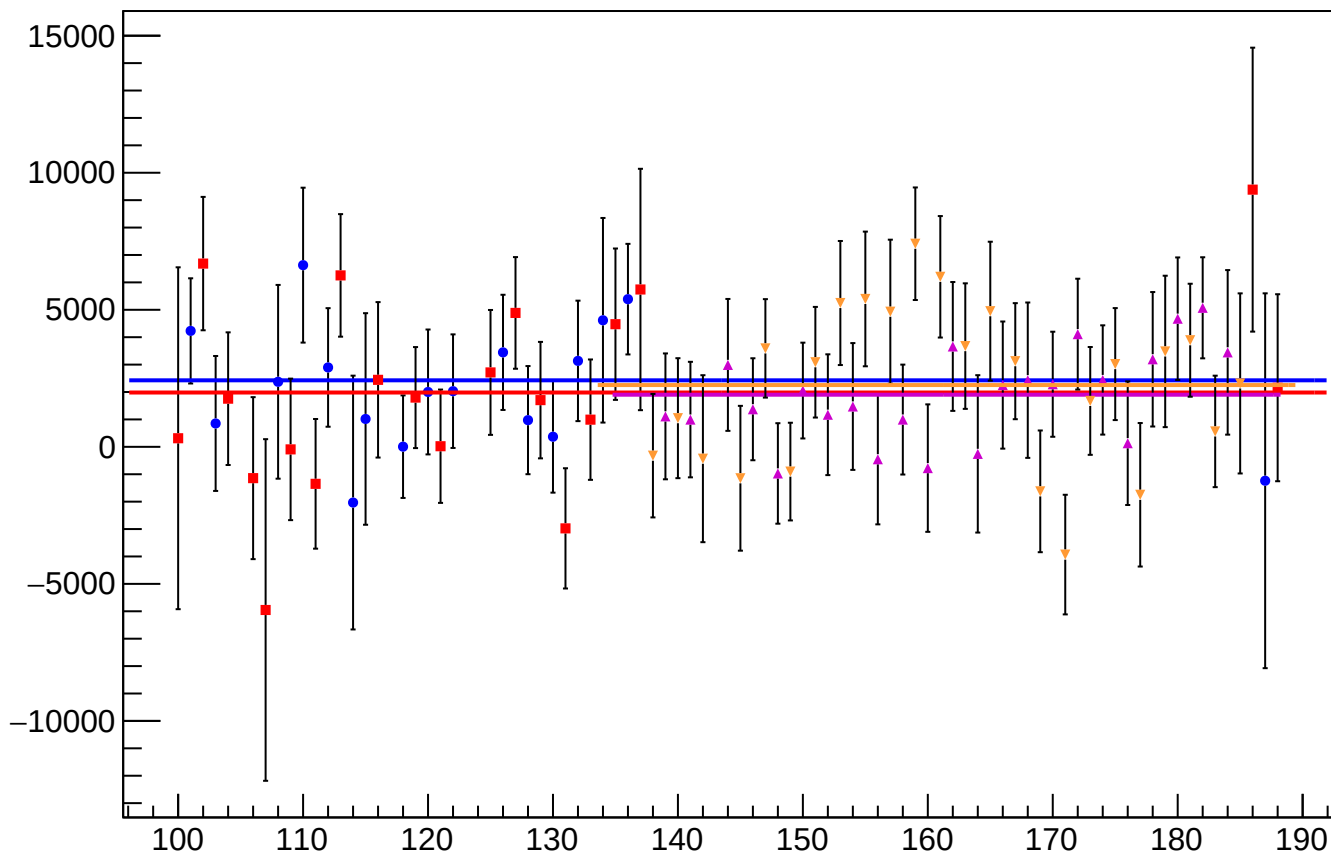
asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 2395.541+/-4.366 χ^2/NDF : 0.0/0
 Left Out: 1519.854+/-0.260 χ^2/NDF : 898683.7/23
 Right Out: 2494.474+/-1.963 χ^2/NDF : 25301.2/1
 Left In: 1505.076+/-0.258 χ^2/NDF : 1014825.7/22

Left: 1512.403+/-0.183 χ^2/NDF : 1915138.9/46
 Right: 2477.845+/-1.790 χ^2/NDF : 25728.3/2
 In: 1508.169+/-0.257 χ^2/NDF : 1056272.8/23
 Out: 1536.657+/-0.258 χ^2/NDF : 1166336.4/25
 All: 1522.393+/-0.182 χ^2/NDF : 2228728.4/49

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: 1981.676 $\pm$ 571.341 χ^2 /NDF: 24.8/19

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

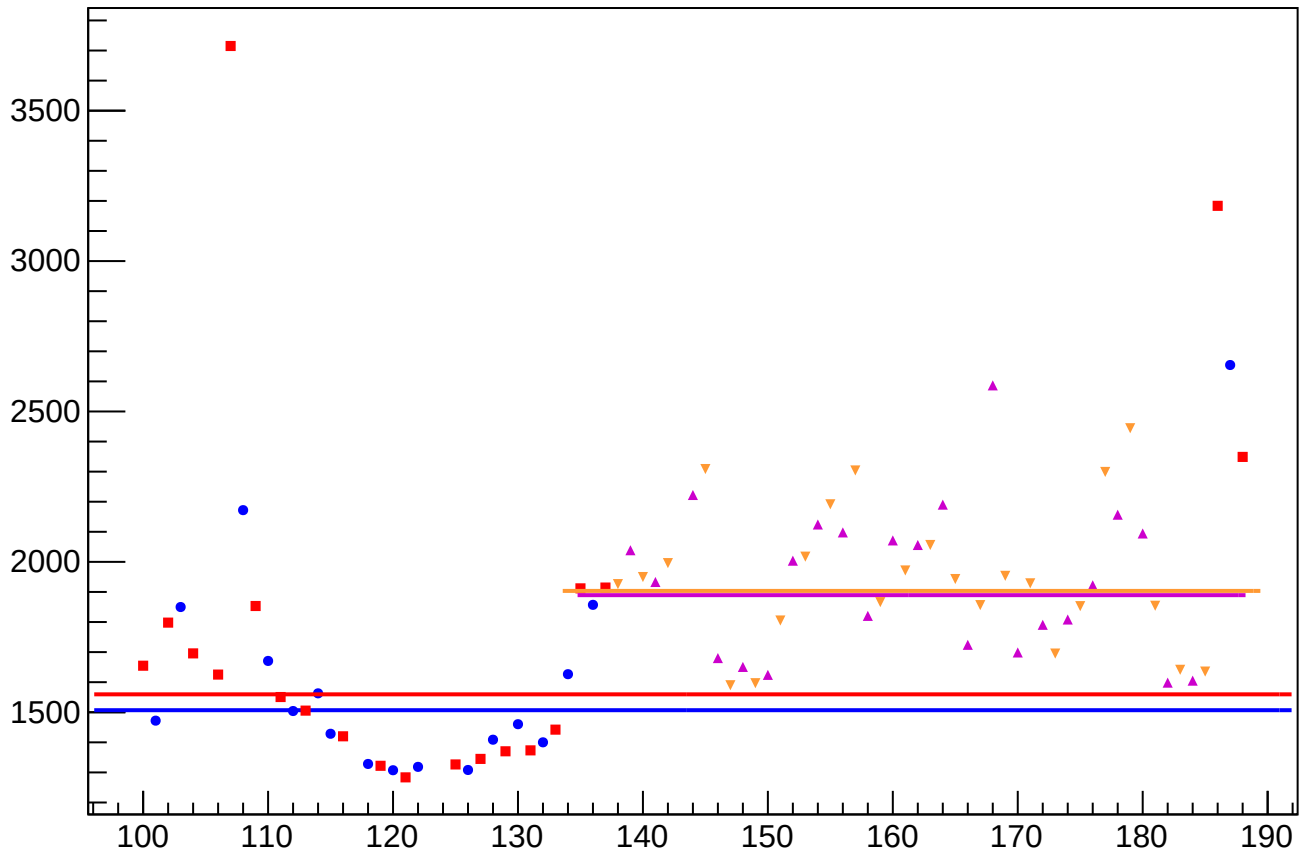
Right: 2200.110 $\pm$ 407.779 χ^2 /NDF: 36.2/36

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

Out: 2147.908 $\pm$ 356.588 χ^2 /NDF:63.6/43

All: 2124.199 $\pm$ 252.627 χ^2 /NDF: 89.0/83

asym_usl_rms vs Slug, Sign Corrected



Right In: 1506.864 $\pm$ 0.412 χ^2/NDF : 315552.4/16

Left Out: 1903.456 $\pm$ 0.323 χ^2/NDF : 461899.8/23

Right Out: 1559.602 $\pm$ 0.404 χ^2/NDF : 795420.9/19

Left In: 1896.352 $\pm$ 0.321 χ^2/NDF : 508648.5/22

Left: 1896.352 $\pm$ 0.228 χ^2/NDF : 971512.1/46

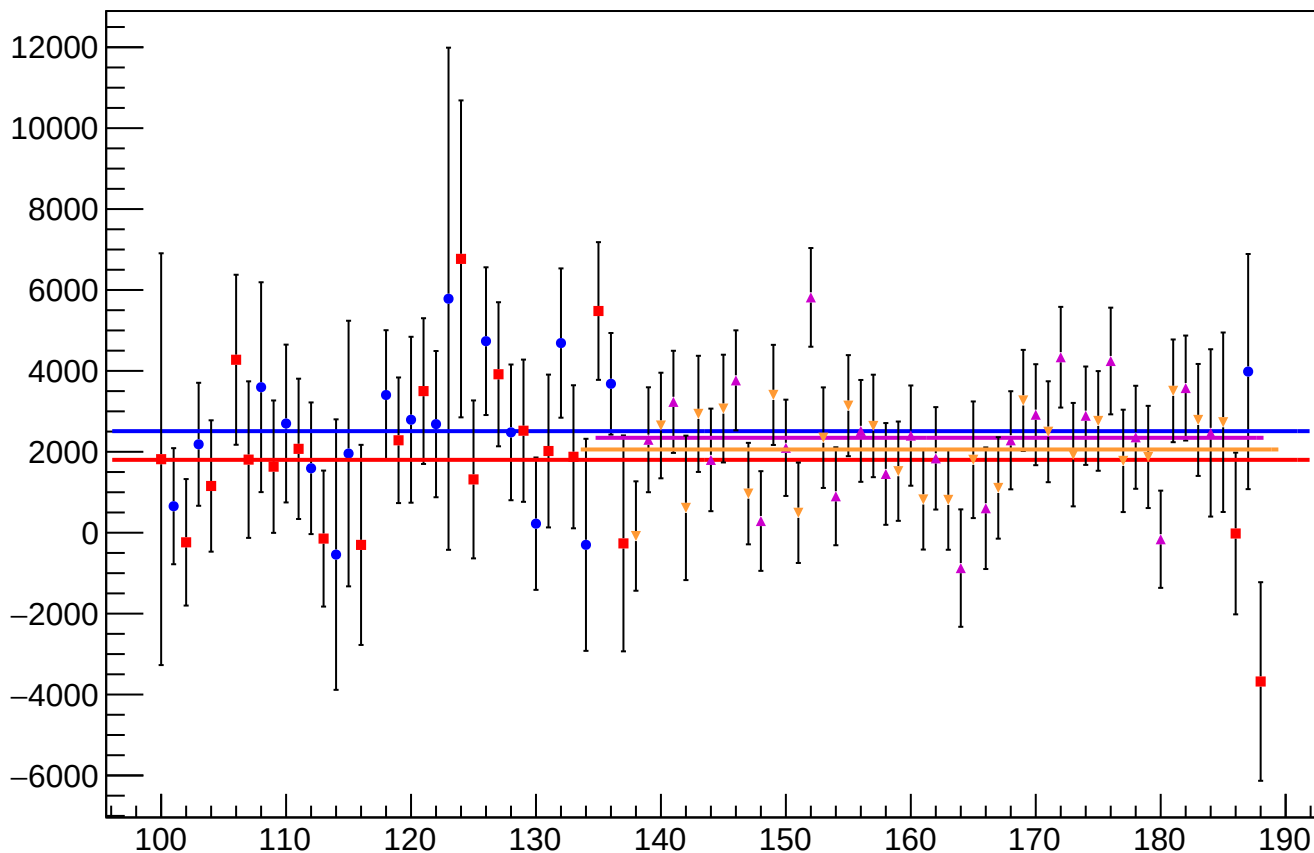
Right: 1533.729 $\pm$ 0.288 χ^2/NDF : 1119333.6/36

In: 1744.744 $\pm$ 0.253 χ^2/NDF : 1361052.1/39

Out: 1769.514 $\pm$ 0.252 χ^2/NDF : 1699551.8/43

All: 1757.176 $\pm$ 0.179 χ^2/NDF : 3065410.7/83

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2510.510 ± 444.101 $\chi^2/\text{NDF}: 10.8/17$

Left Out: 2057.600 ± 261.809 $\chi^2/\text{NDF}: 14.8/24$

Right Out: 1801.203 ± 417.546 $\chi^2/\text{NDF}: 20.7/20$

Left In: 2345.900 ± 266.966 $\chi^2/\text{NDF}: 31.6/22$

Left: 2198.938 ± 186.924 $\chi^2/\text{NDF}: 47.0/47$

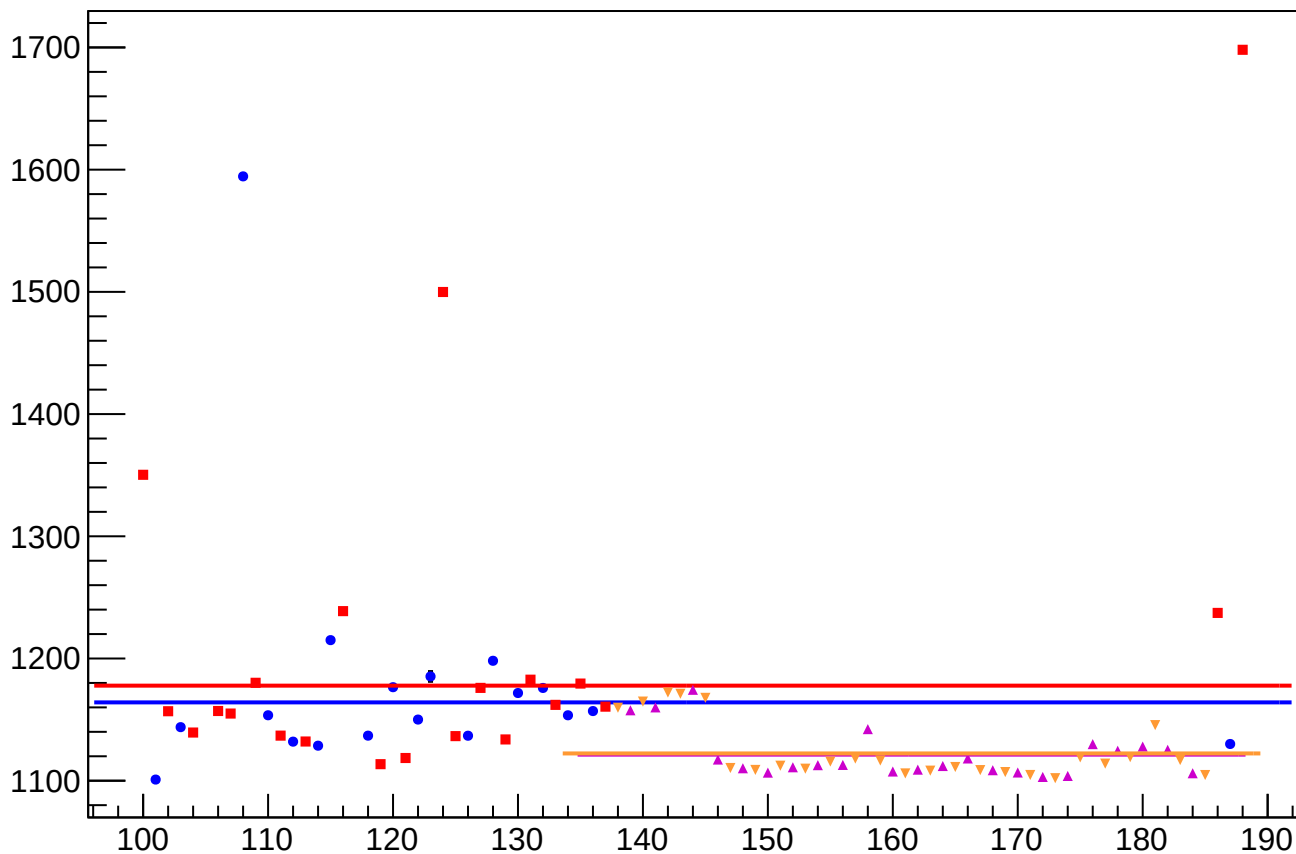
Right: 2134.017 ± 304.204 $\chi^2/\text{NDF}: 32.8/38$

In: 2389.595 ± 228.807 $\chi^2/\text{NDF}: 42.5/40$

Out: 1985.244 ± 221.812 $\chi^2/\text{NDF}: 35.8/45$

All: 2181.144 ± 159.260 $\chi^2/\text{NDF}: 79.9/86$

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1164.091 $\pm$ 0.314 χ^2 /NDF: 63417.1/17

Left Out: 1122.318 $\pm$ 0.185 χ^2 /NDF:13825.0/24

Right Out: 1177.792 $\pm$ 0.295 χ^2 /NDF: 121214.4/20

Left In: 1121.328 $\pm$ 0.189 χ^2 /NDF:10474.0/22

Left: 1121.833 $\pm$ 0.132 χ^2 /NDF: 24313.0/47

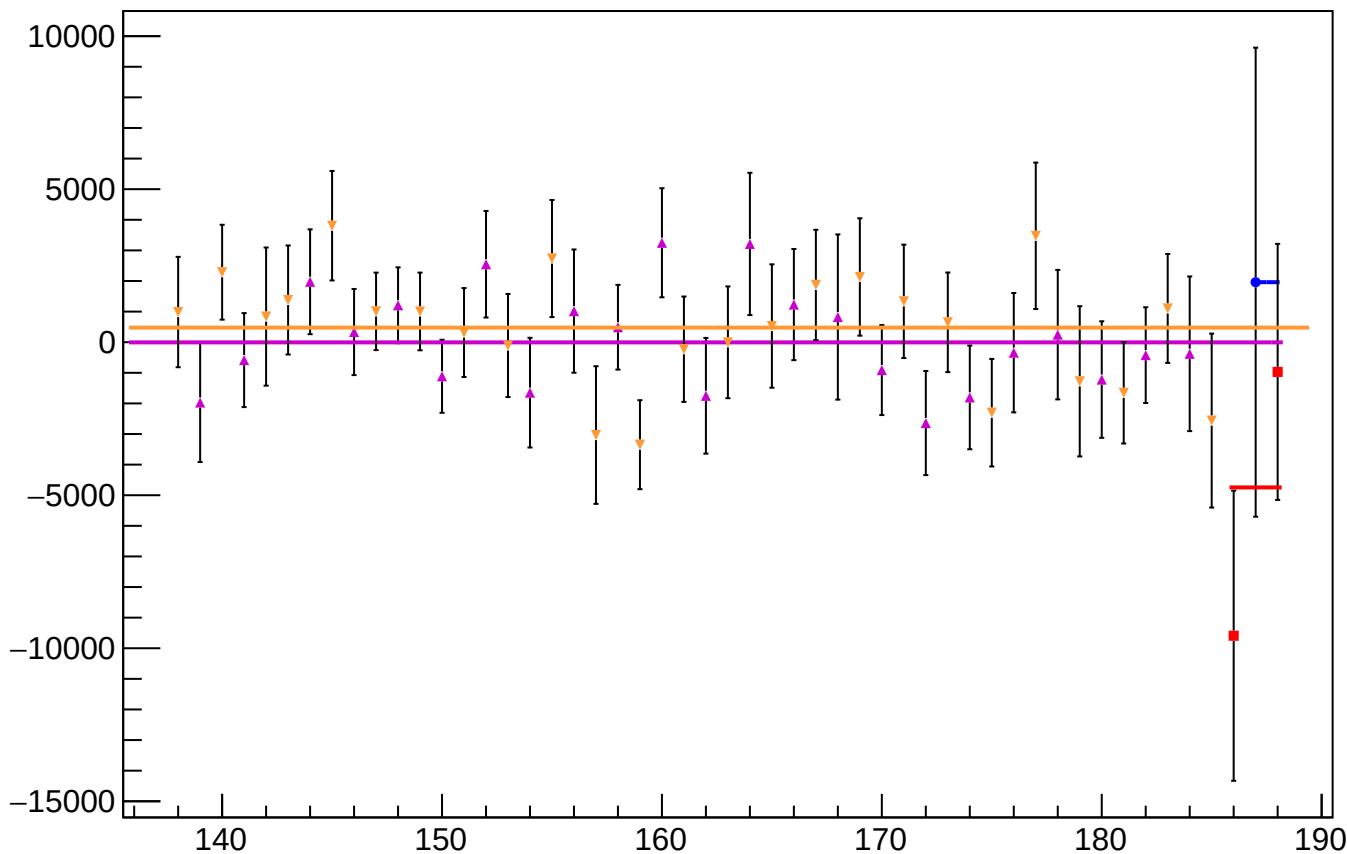
Right: 1171.363 $\pm$ 0.215 χ^2 /NDF: 185642.0/38

In: 1132.679 $\pm$ 0.162 χ^2 /NDF:87512.4/40

Out: 1137.973 $\pm$ 0.157 χ^2 /NDF:160379.2/45

All: 1135.408 $\pm$ 0.113 χ^2 /NDF: 248443.5/86

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: 1960.908 $\pm$ 7663.010 χ^2 /NDF: 0.0/0

Left Out: 476.919 $\pm$ 349.994 χ^2 /NDF:25.7/24

Right Out: -4744.513 $\pm$ 3136.481 χ^2 /NDF: 1.9/1

Left In: -5.369 $\pm$ 353.503 χ^2 /NDF:18.9/22

Left: 238.180 $\pm$ 248.715 χ^2 /NDF: 45.5/47

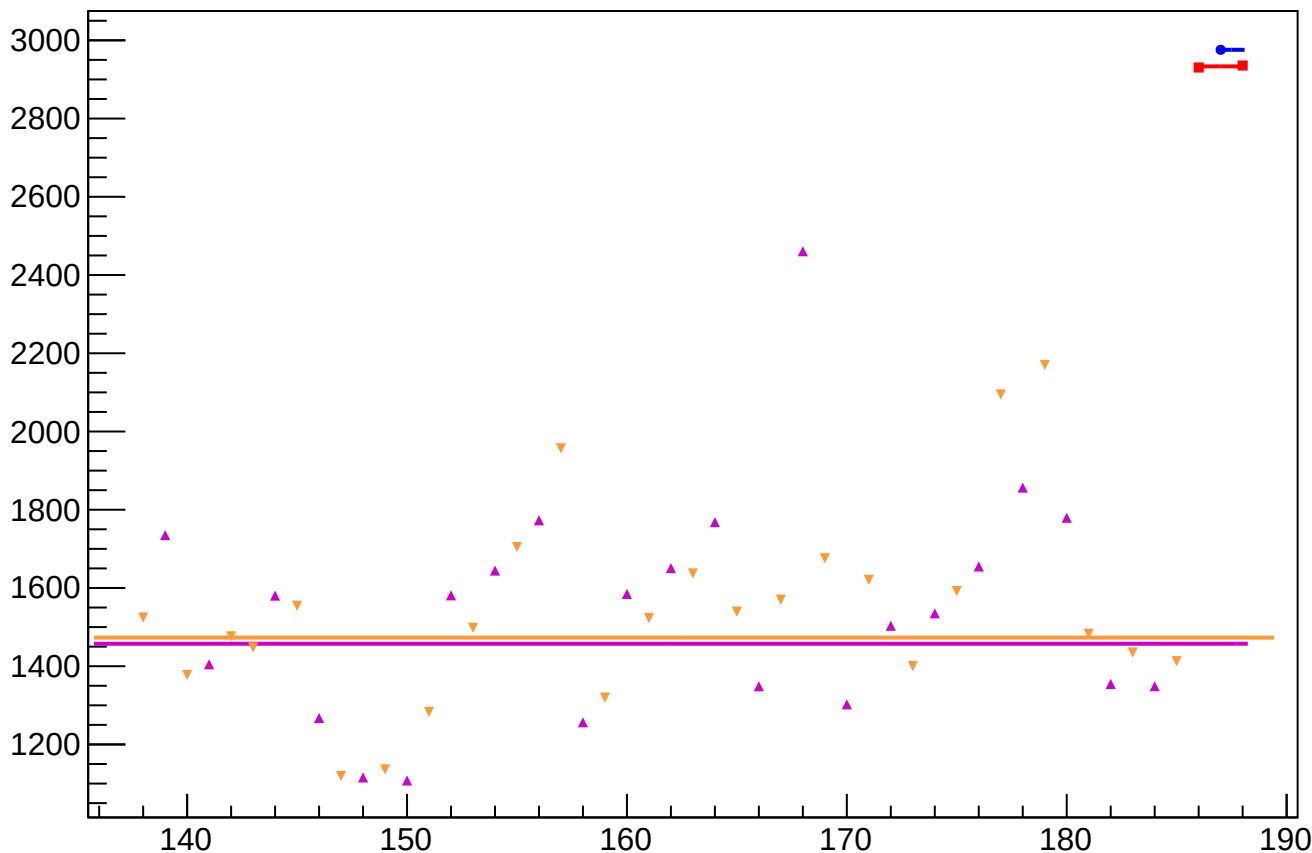
Right: -3782.357 $\pm$ 2902.746 χ^2 /NDF: 2.5/2

In: -1.194 $\pm$ 353.128 χ^2 /NDF:18.9/23

Out: 412.701 $\pm$ 347.836 χ^2 /NDF:30.3/26

All: 208.879 $\pm$ 247.807 χ^2 /NDF: 50.0/50

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 2975.798+/-5.419 χ^2/NDF : 0.0/0

Left Out: 1473.076+/-0.247 χ^2/NDF :861593.4/24

Right Out: 2933.379+/-2.218 χ^2/NDF : 1.3/1

Left In: 1457.450+/-0.250 χ^2/NDF :1076563.2/22

Left: 1465.341+/-0.176 χ^2/NDF : 1940130.1/47

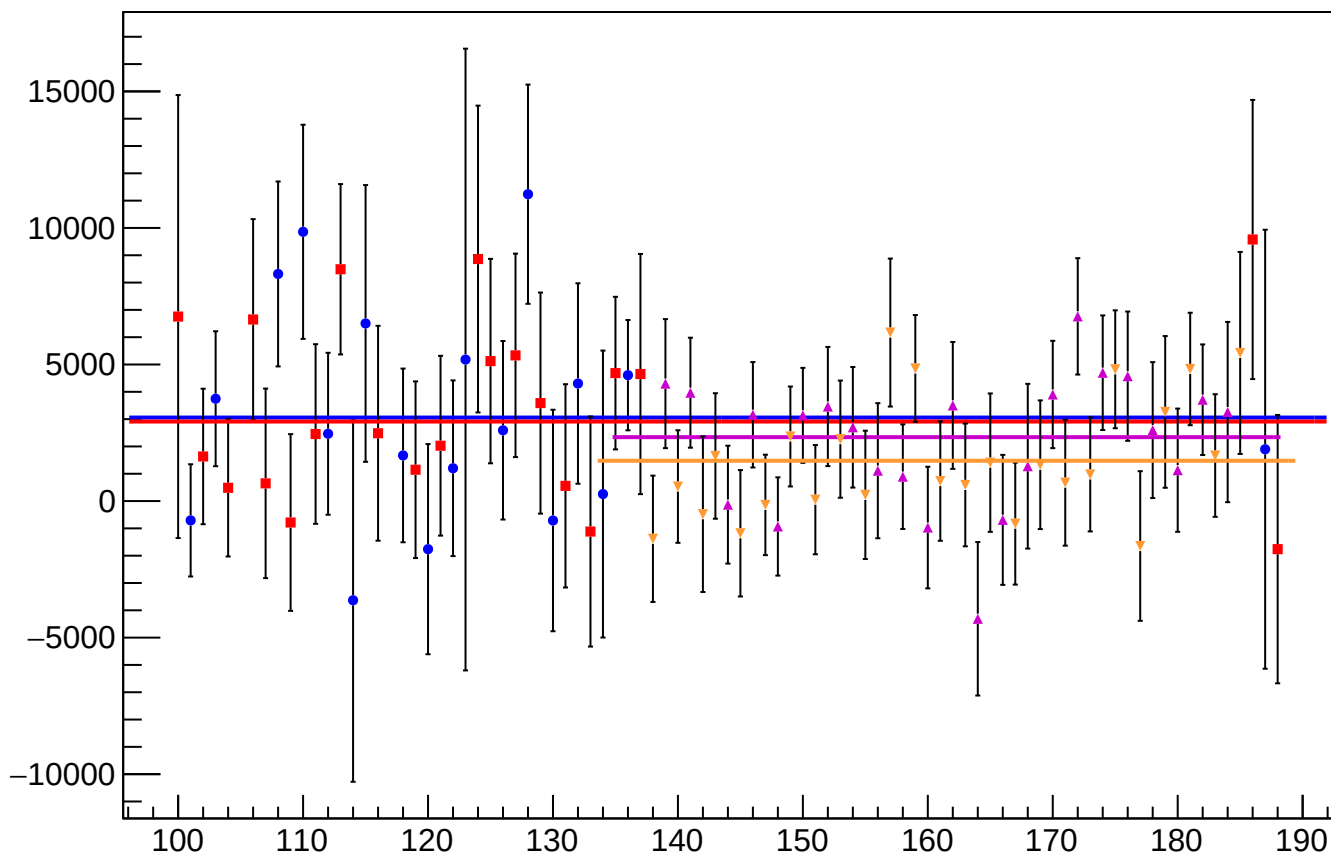
Right: 2939.466+/-2.053 χ^2/NDF : 53.8/2

In: 1460.674+/-0.250 χ^2/NDF :1154915.3/23

Out: 1491.036+/-0.246 χ^2/NDF :1289804.2/26

All: 1476.084+/-0.175 χ^2/NDF : 2452223.7/50

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: 2911.567 $\pm$ 776.025 χ^2 /NDF: 14.2/20

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

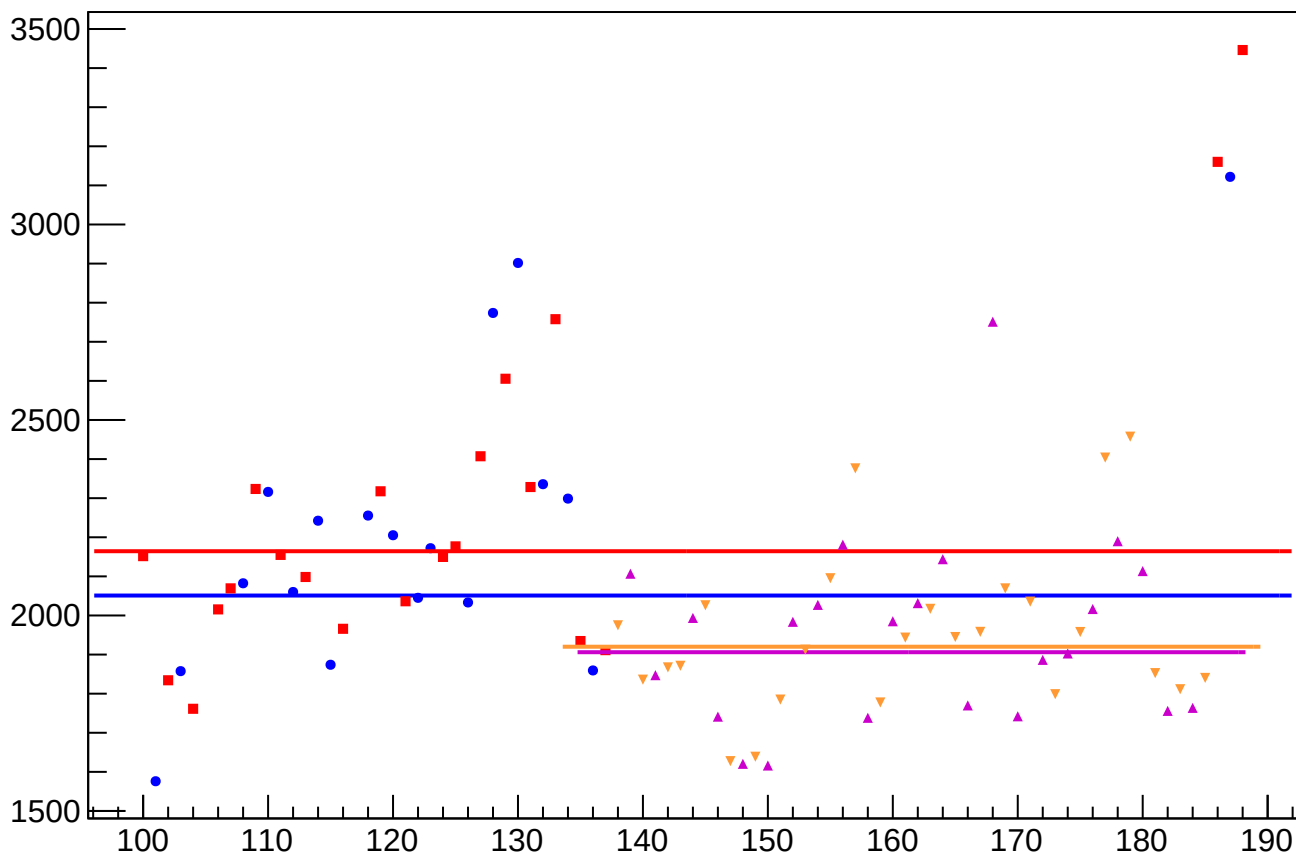
Right: 2983.145 $\pm$ 554.924 χ^2 /NDF: 32.7/38

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

Out: 1838.605 $\pm$ 390.156 χ^2 /NDF:37.6/45

All: 2173.407 $\pm$ 278.046 χ^2 /NDF: 83.5/86

asym_usr_rms vs Slug, Sign Corrected



Right In: 2050.985 $\pm$ 0.561 χ^2/NDF : 367199.7/17

Left Out: 1920.082 $\pm$ 0.319 χ^2/NDF : 365919.7/24

Right Out: 2164.344 $\pm$ 0.549 χ^2/NDF : 418069.8/20

Left In: 1906.043 $\pm$ 0.323 χ^2/NDF : 451054.7/22

Left: 1913.157 $\pm$ 0.227 χ^2/NDF : 817929.0/47

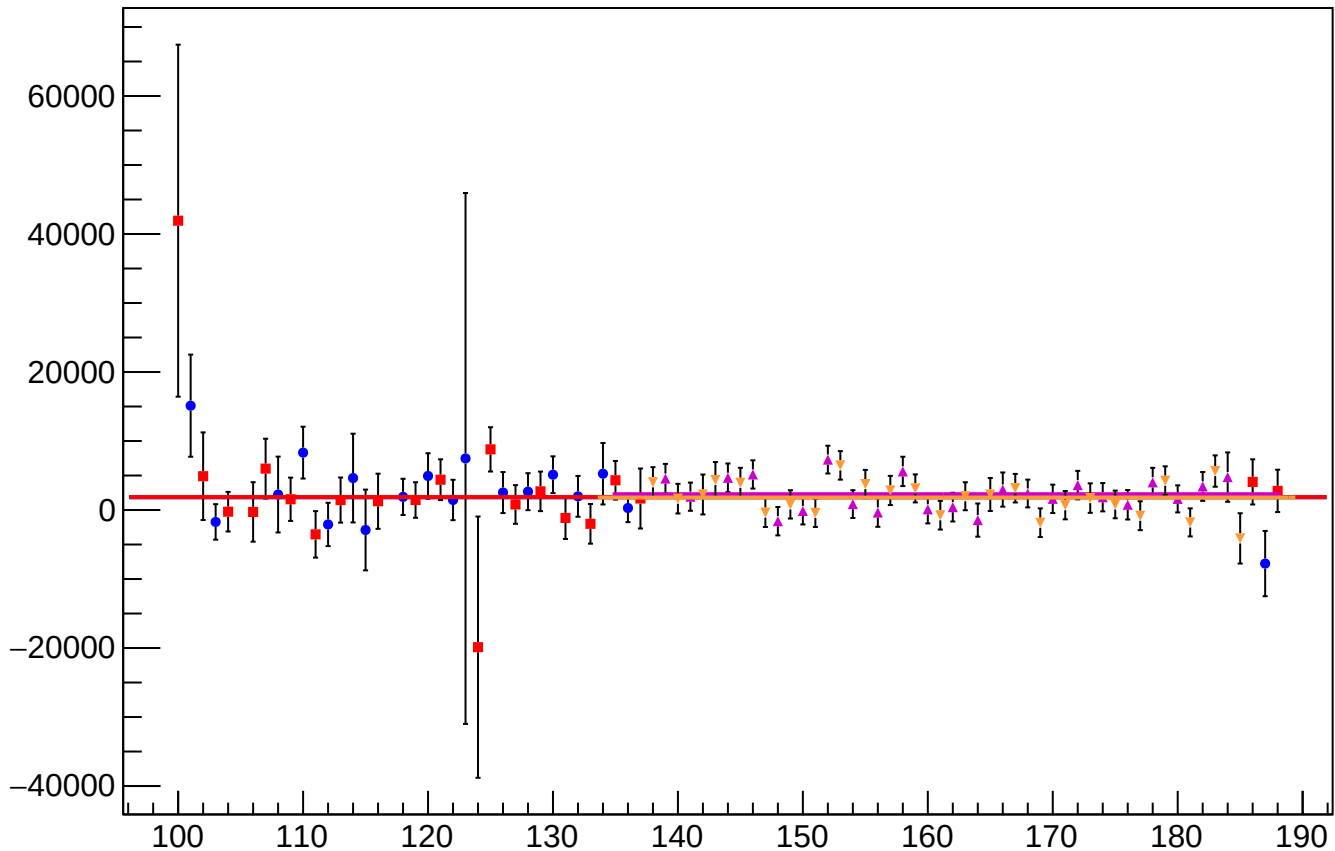
Right: 2108.951 $\pm$ 0.392 χ^2/NDF : 806123.8/38

In: 1942.174 $\pm$ 0.280 χ^2/NDF : 868307.1/40

Out: 1981.824 $\pm$ 0.276 χ^2/NDF : 932051.9/45

All: 1962.312 $\pm$ 0.197 χ^2/NDF : 1810524.0/86

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1843.204+/-784.768 χ^2/NDF : 18.4/17

Left Out: 1809.174+/-432.738 χ^2/NDF : 29.4/24

Right Out: 1875.965+/-740.525 χ^2/NDF : 18.1/20

Left In: 2289.975+/-440.620 χ^2/NDF : 27.5/22

Left: 2045.236+/-308.741 χ^2/NDF : 57.4/47

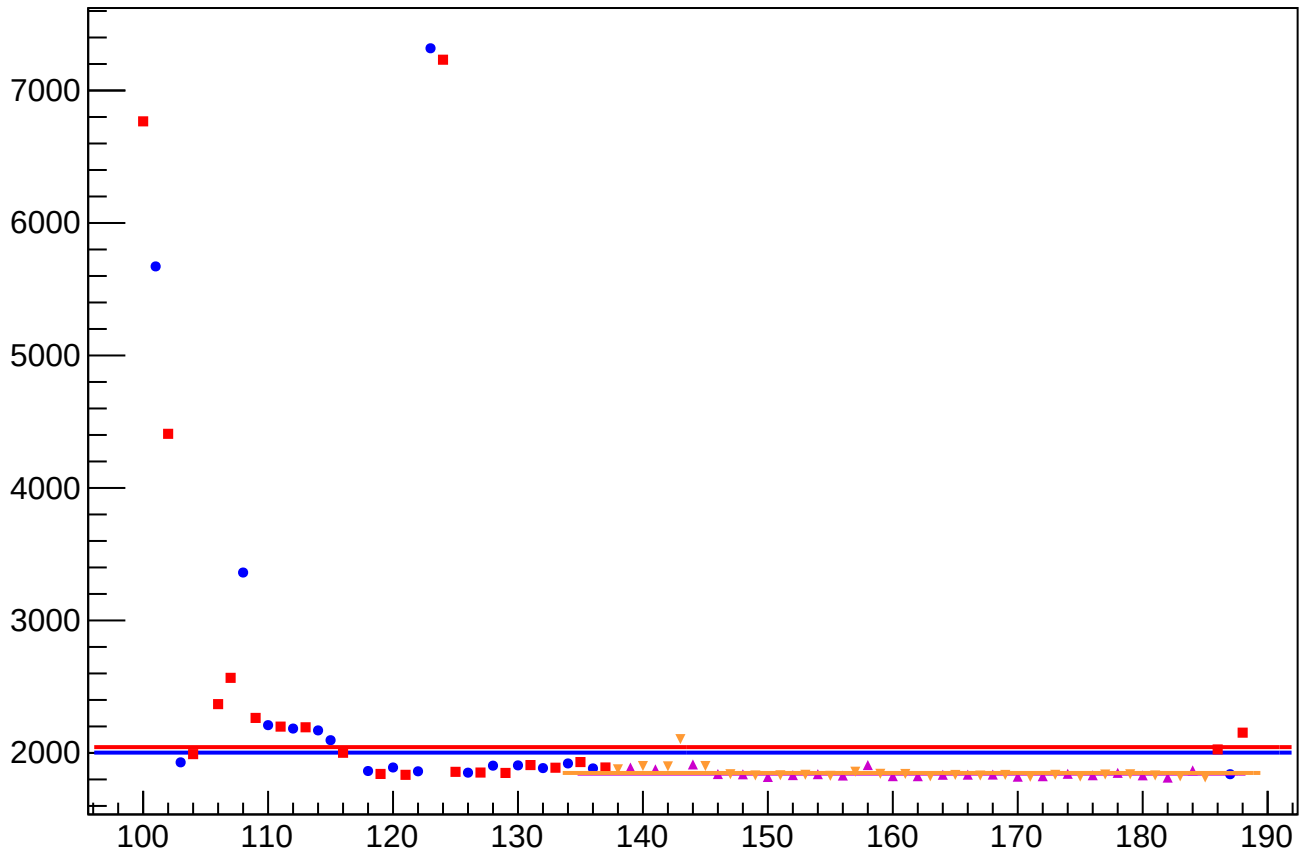
Right: 1860.534+/-538.592 χ^2/NDF : 36.5/38

In: 2182.891+/-384.204 χ^2/NDF : 46.1/40

Out: 1826.176+/-373.622 χ^2/NDF : 47.4/45

All: 1999.554+/-267.853 χ^2/NDF : 94.0/86

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2002.427+/-0.555 χ^2/NDF : 704801.1/17

Left Out: 1848.931+/-0.306 χ^2/NDF : 25543.1/24

Right Out: 2043.906+/-0.524 χ^2/NDF : 621673.3/20

Left In: 1843.813+/-0.312 χ^2/NDF : 7555.7/22

Left: 1846.418+/-0.218 χ^2/NDF : 33236.1/47

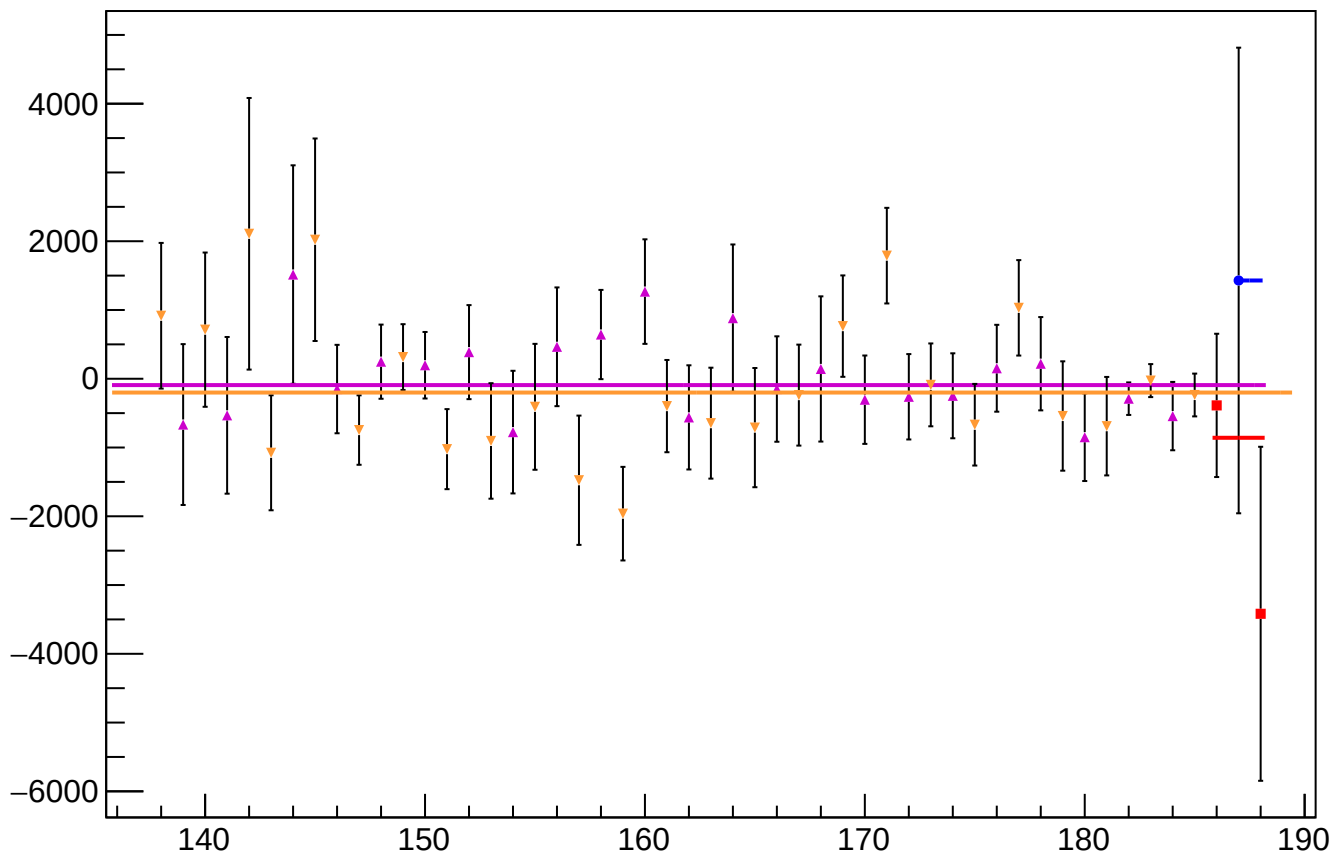
Right: 2024.369+/-0.381 χ^2/NDF : 1329429.9/38

In: 1881.830+/-0.272 χ^2/NDF : 774475.8/40

Out: 1898.563+/-0.264 χ^2/NDF : 750569.5/45

All: 1890.430+/-0.189 χ^2/NDF : 1526995.0/86

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: 1429.034 $\pm$ 3385.777 χ^2 /NDF: 0.0/0

Left Out: -200.614 $\pm$ 118.900 χ^2 /NDF:35.8/24

Right Out: -858.471 $\pm$ 957.479 χ^2 /NDF: 1.3/1

Left In: -92.163 $\pm$ 126.200 χ^2 /NDF:13.0/22

Left: -149.616 $\pm$ 86.541 χ^2 /NDF: 49.1/47

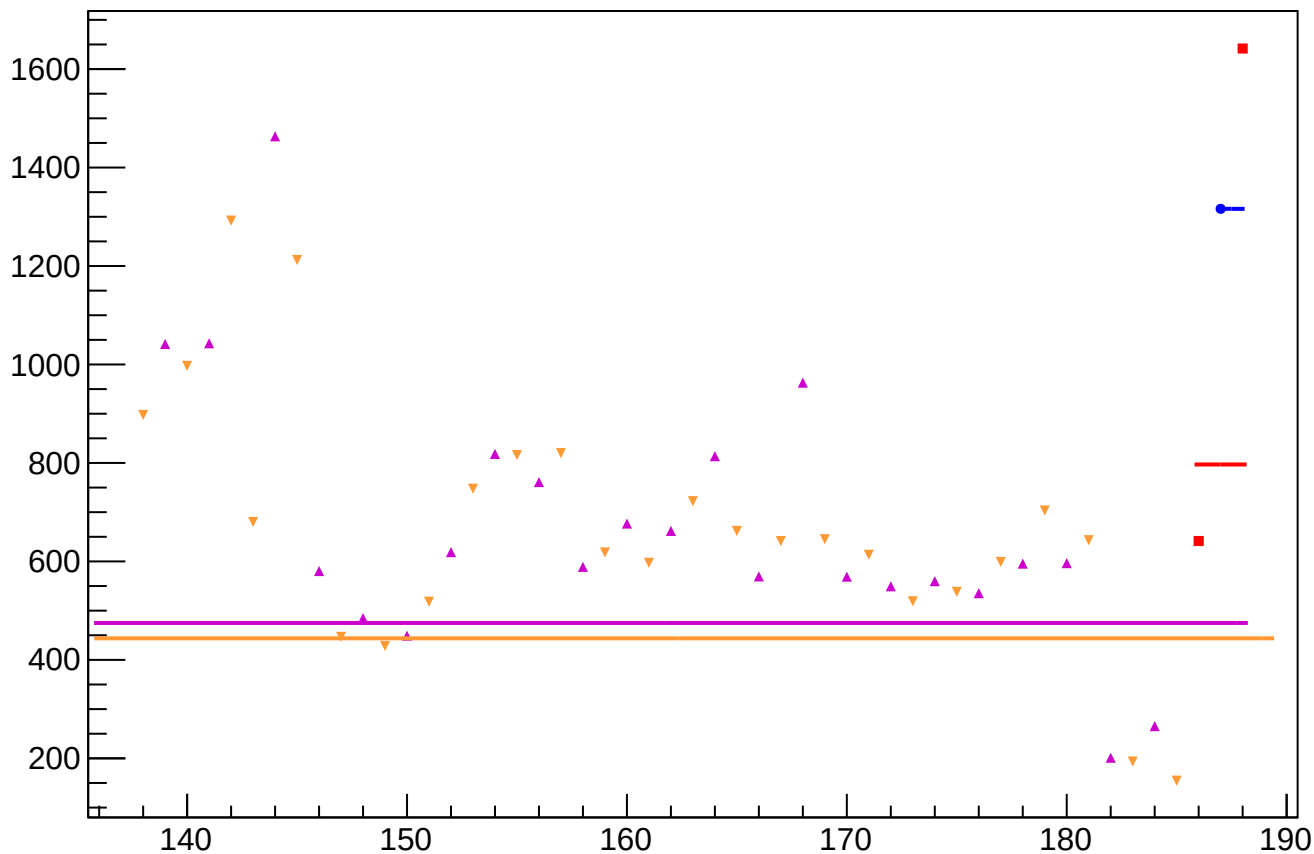
Right: -689.079 $\pm$ 921.346 χ^2 /NDF: 1.7/2

In: -90.053 $\pm$ 126.112 χ^2 /NDF:13.2/23

Out: -210.605 $\pm$ 117.993 χ^2 /NDF:37.6/26

All: -154.334 $\pm$ 86.161 χ^2 /NDF: 51.2/50

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 1316.142+/-2.394 χ^2/NDF : 0.0/0

Left Out: 443.830+/-0.084 χ^2/NDF : 8341702.1/24

Right Out: 796.904+/-0.677 χ^2/NDF : 286544.4/1

Left In: 475.007+/-0.089 χ^2/NDF : 6686201.7/22

Left: 458.491+/-0.061 χ^2/NDF : 15092568.9/47

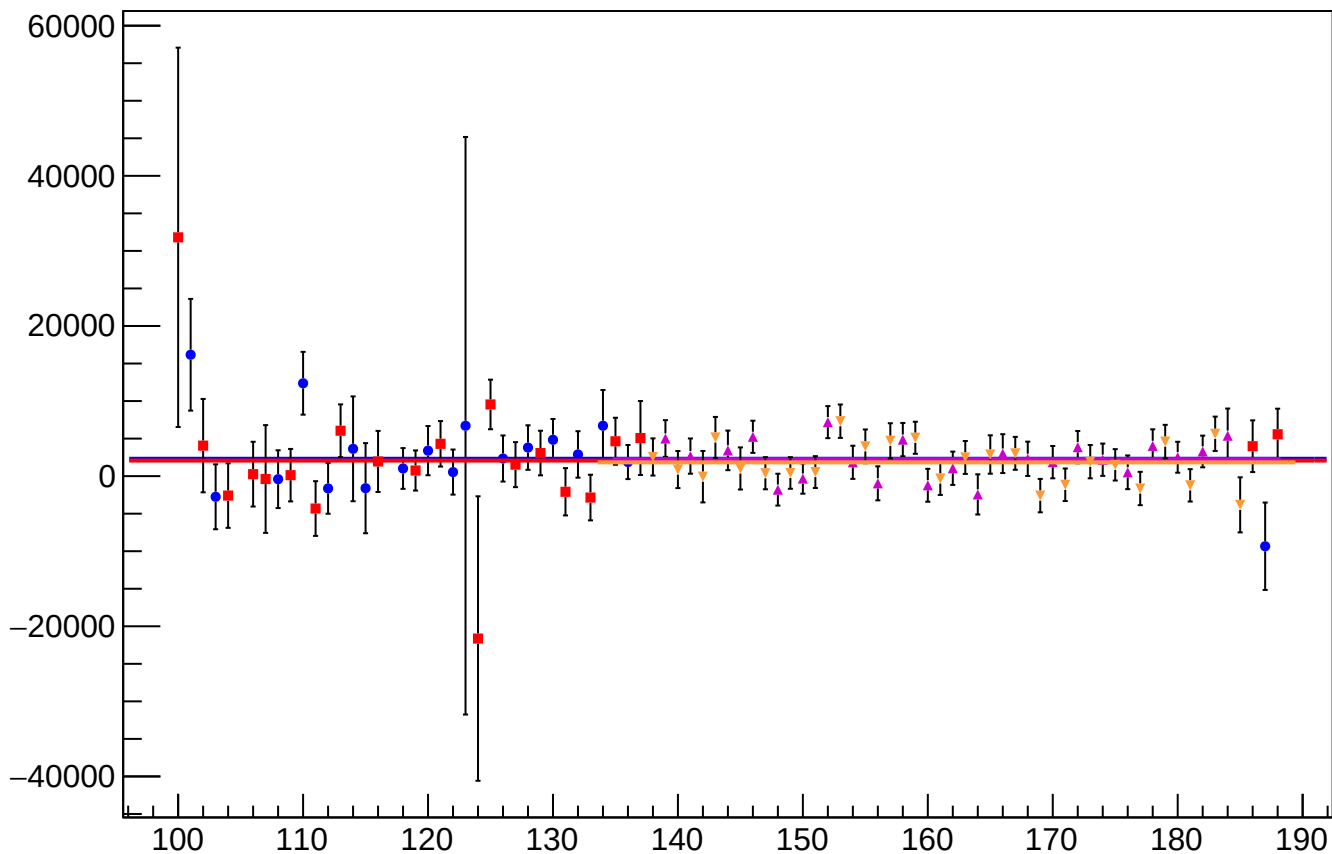
Right: 835.354+/-0.651 χ^2/NDF : 330098.9/2

In: 476.174+/-0.089 χ^2/NDF : 6809467.1/23

Out: 449.192+/-0.083 χ^2/NDF : 8896075.1/26

All: 461.787+/-0.061 χ^2/NDF : 15754360.9/50

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: 2074.158 $\pm$ 804.781 χ^2/NDF : 22.0/20

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

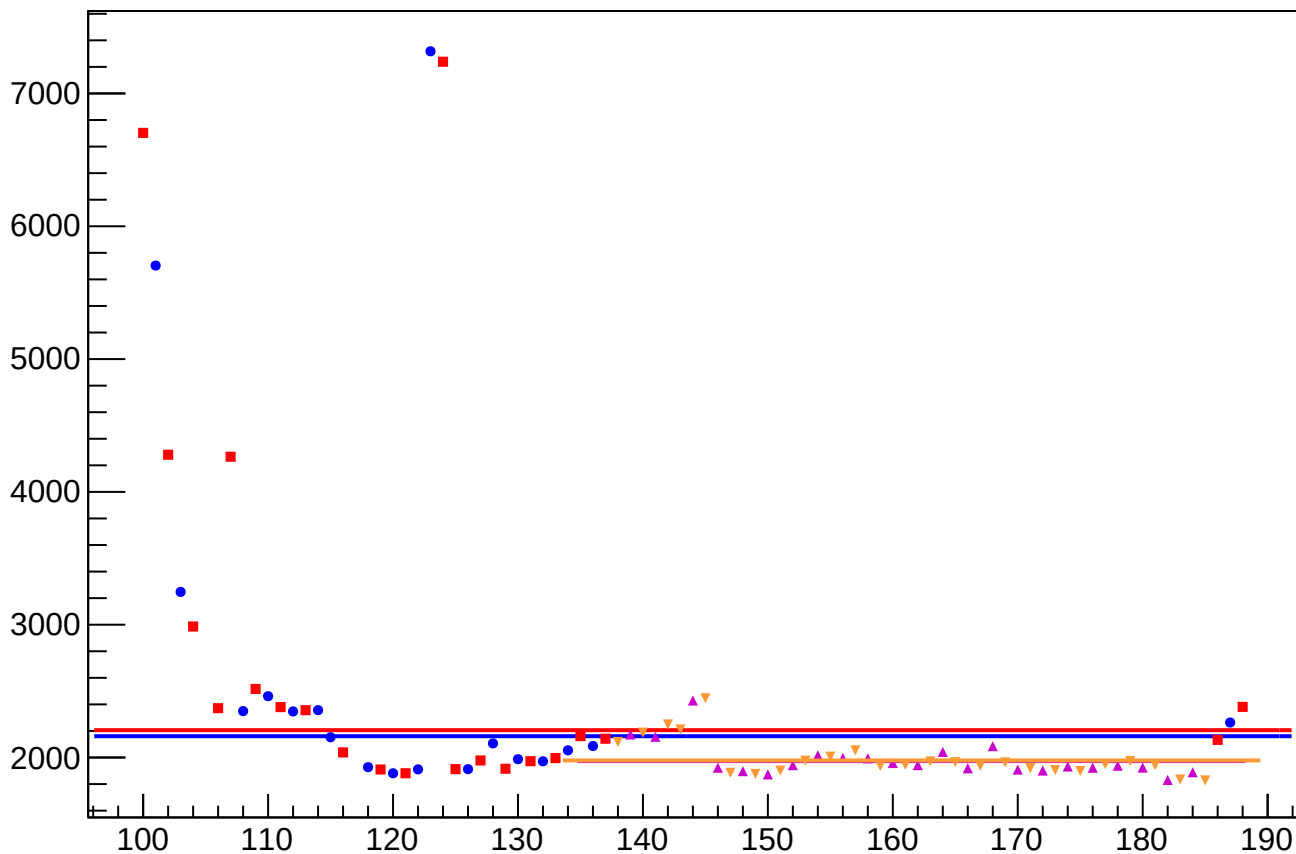
Right: 2188.317 $\pm$ 583.414 χ^2/NDF : 41.7/38

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

Out: 1894.413 $\pm$ 401.829 χ^2/NDF : 54.9/45

All: 2078.800 $\pm$ 287.840 χ^2/NDF : 101.3/86

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: 2205.866+/-0.569 χ^2/NDF : 809328.1/20

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

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

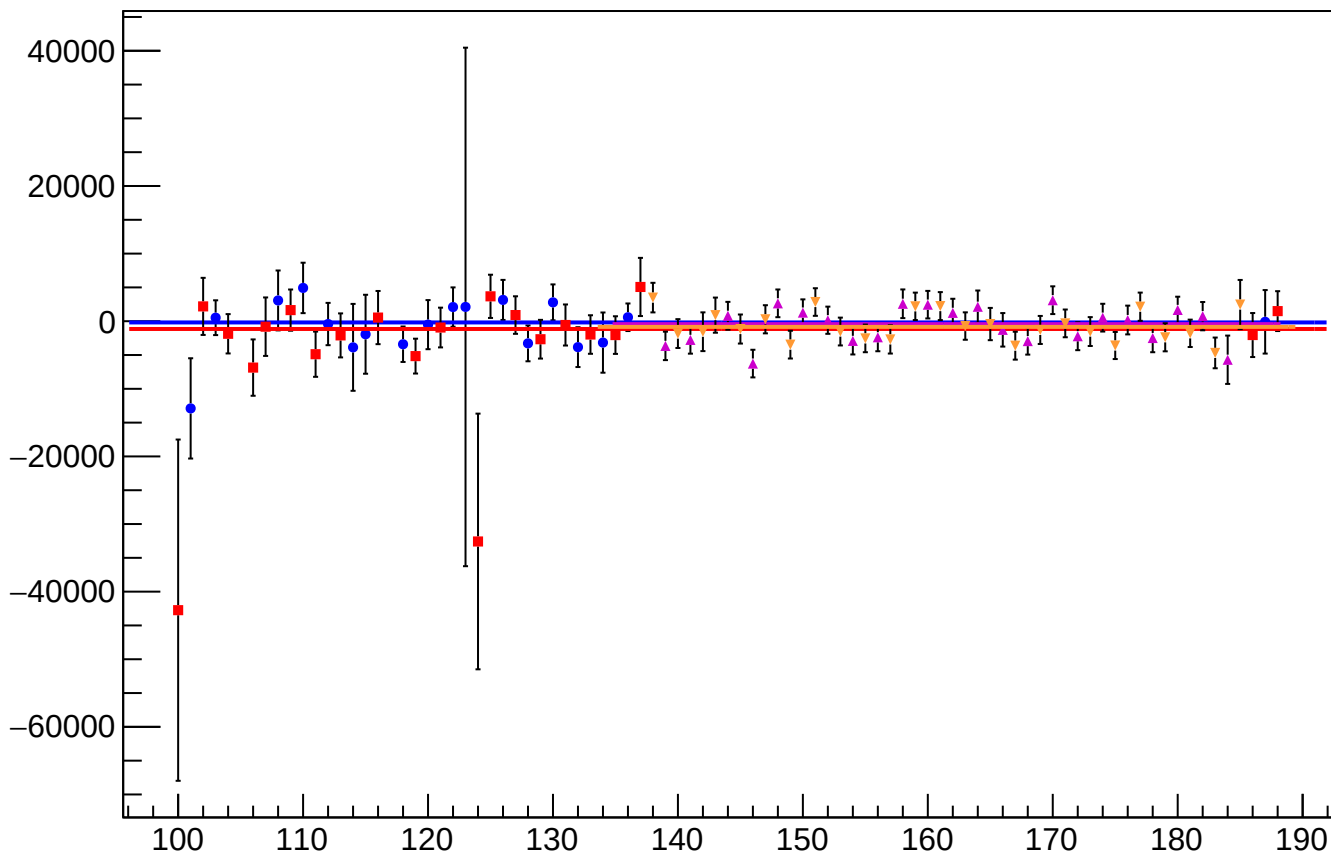
Right: 2184.284+/-0.413 χ^2/NDF : 1526863.2/38

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

Out: 2034.841+/-0.284 χ^2/NDF : 1067344.9/45

All: 2026.454+/-0.204 χ^2/NDF : 1978612.7/86

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -181.800+/-781.340 χ^2/NDF : 14.0/17

Left Out: -838.942+/-431.425 χ^2/NDF : 26.4/24

Right Out: -1147.256+/-728.232 χ^2/NDF : 19.1/20

Left In: -428.835+/-439.548 χ^2/NDF : 33.8/22

Left: -637.713+/-307.895 χ^2/NDF : 60.6/47

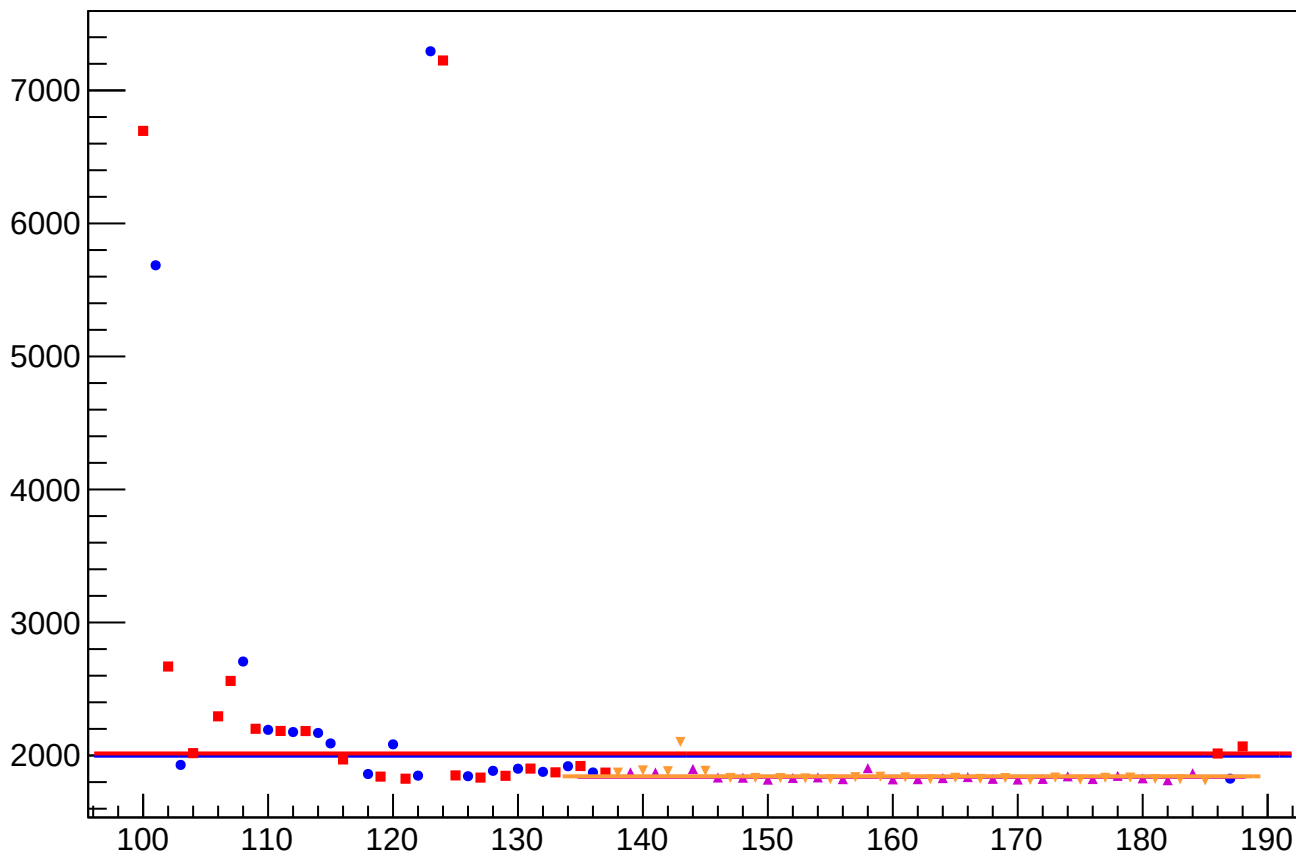
Right: -698.452+/-532.724 χ^2/NDF : 33.9/38

In: -369.450+/-383.090 χ^2/NDF : 47.8/40

Out: -919.039+/-371.178 χ^2/NDF : 45.6/45

All: -652.922+/-266.574 χ^2/NDF : 94.5/86

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1998.631+/-0.552 χ^2/NDF : 636911.9/17

Left Out: 1843.383+/-0.305 χ^2/NDF : 24499.6/24

Right Out: 2015.399+/-0.515 χ^2/NDF : 378636.6/20

Left In: 1839.374+/-0.311 χ^2/NDF : 6441.8/22

Left: 1841.416+/-0.218 χ^2/NDF : 31026.0/47

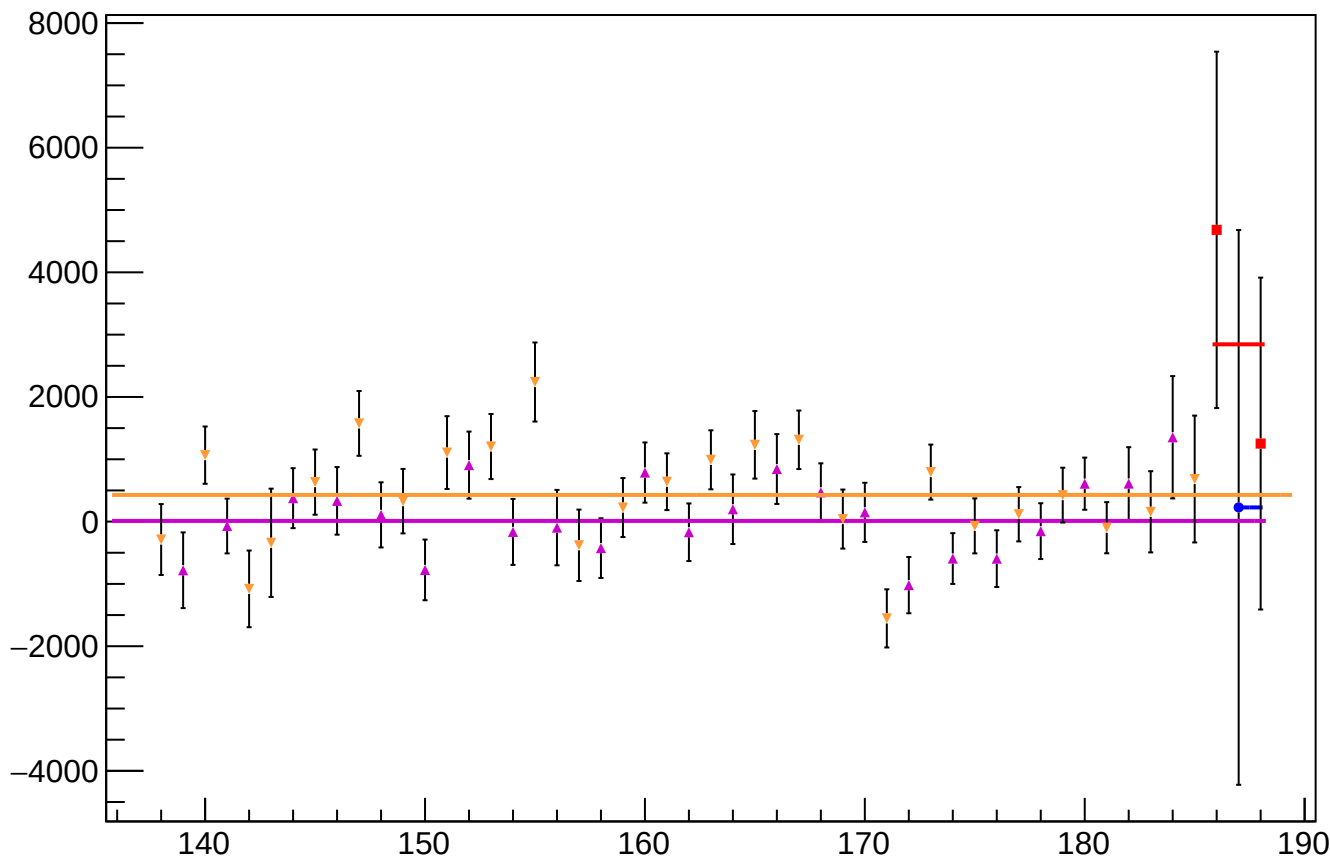
Right: 2007.604+/-0.377 χ^2/NDF : 1016041.5/38

In: 1877.658+/-0.271 χ^2/NDF : 706469.1/40

Out: 1888.071+/-0.262 χ^2/NDF : 485737.0/45

All: 1883.029+/-0.188 χ^2/NDF : 1192968.3/86

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 227.348+/-4451.159 χ^2/NDF : 0.0/0

Left Out: 428.039+/-102.219 χ^2/NDF : 59.7/24

Right Out: 2844.621+/-1948.846 χ^2/NDF : 0.8/1

Left In: 10.733+/-104.001 χ^2/NDF : 29.4/22

Left: 222.992+/-72.902 χ^2/NDF : 97.3/47

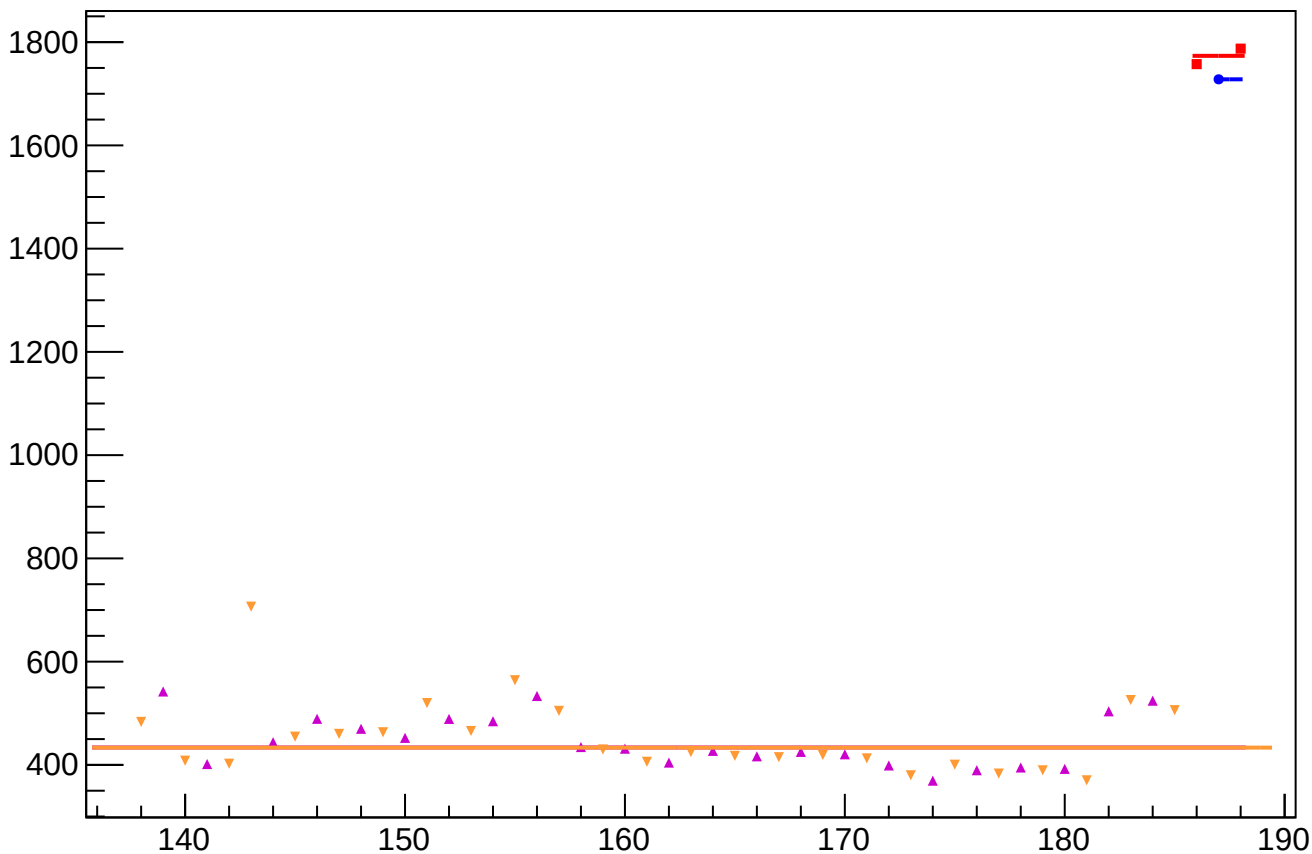
Right: 2423.611+/-1785.234 χ^2/NDF : 1.1/2

In: 10.852+/-103.973 χ^2/NDF : 29.4/23

Out: 434.669+/-102.079 χ^2/NDF : 62.0/26

All: 226.656+/-72.841 χ^2/NDF : 99.9/50

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 1727.985 $\pm$ 3.147 χ^2 /NDF: 0.0/0

Left Out: 433.495 $\pm$ 0.072 χ^2 /NDF:609803.4/24

Right Out: 1773.461 $\pm$ 1.378 χ^2 /NDF: 117.9/1

Left In: 433.740 $\pm$ 0.074 χ^2 /NDF:376130.7/22

Left: 433.615 $\pm$ 0.052 χ^2 /NDF: 985939.7/47

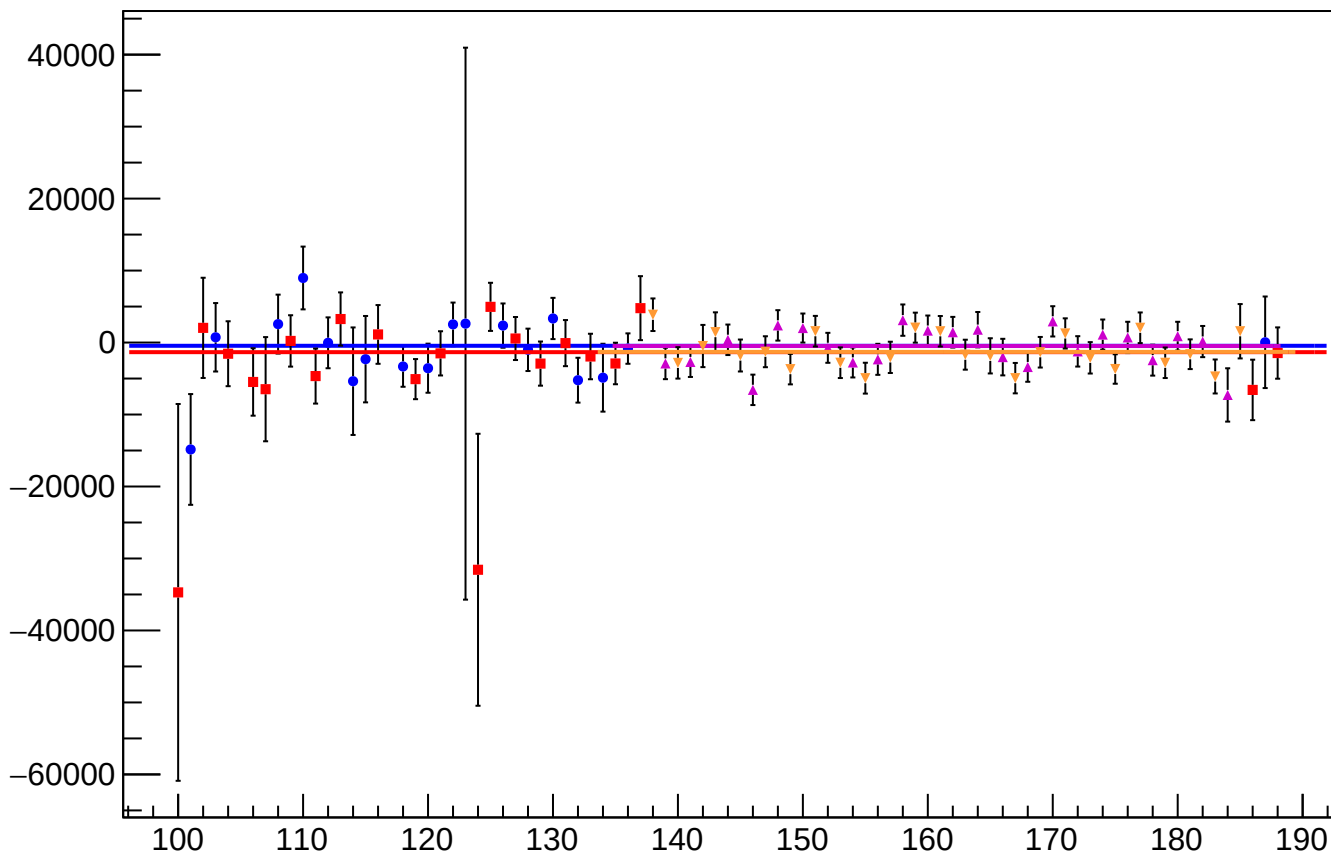
Right: 1766.146 $\pm$ 1.262 χ^2 /NDF: 293.1/2

In: 434.447 $\pm$ 0.074 χ^2 /NDF:545127.8/23

Out: 437.171 $\pm$ 0.072 χ^2 /NDF:1552829.7/26

All: 435.834 $\pm$ 0.052 χ^2 /NDF: 2098656.7/50

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: -1335.264+/-826.130 χ^2/NDF : 18.5/20

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

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

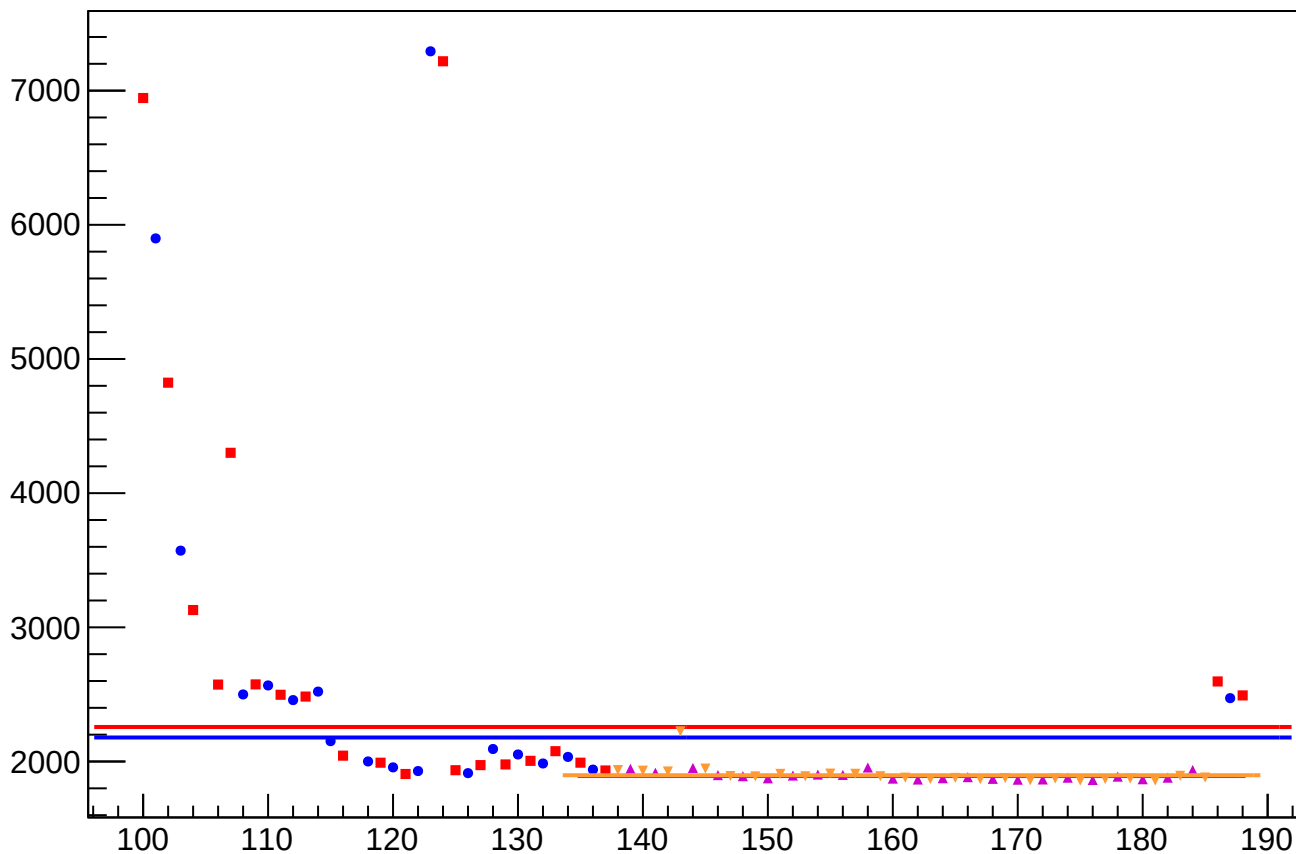
Right: -908.671+/-594.862 χ^2/NDF : 37.2/38

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

Out: -1303.370+/-391.198 χ^2/NDF : 48.2/45

All: -899.646+/-279.624 χ^2/NDF : 100.8/86

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: 2257.285+/-0.584 χ^2/NDF : 919784.2/20

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

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

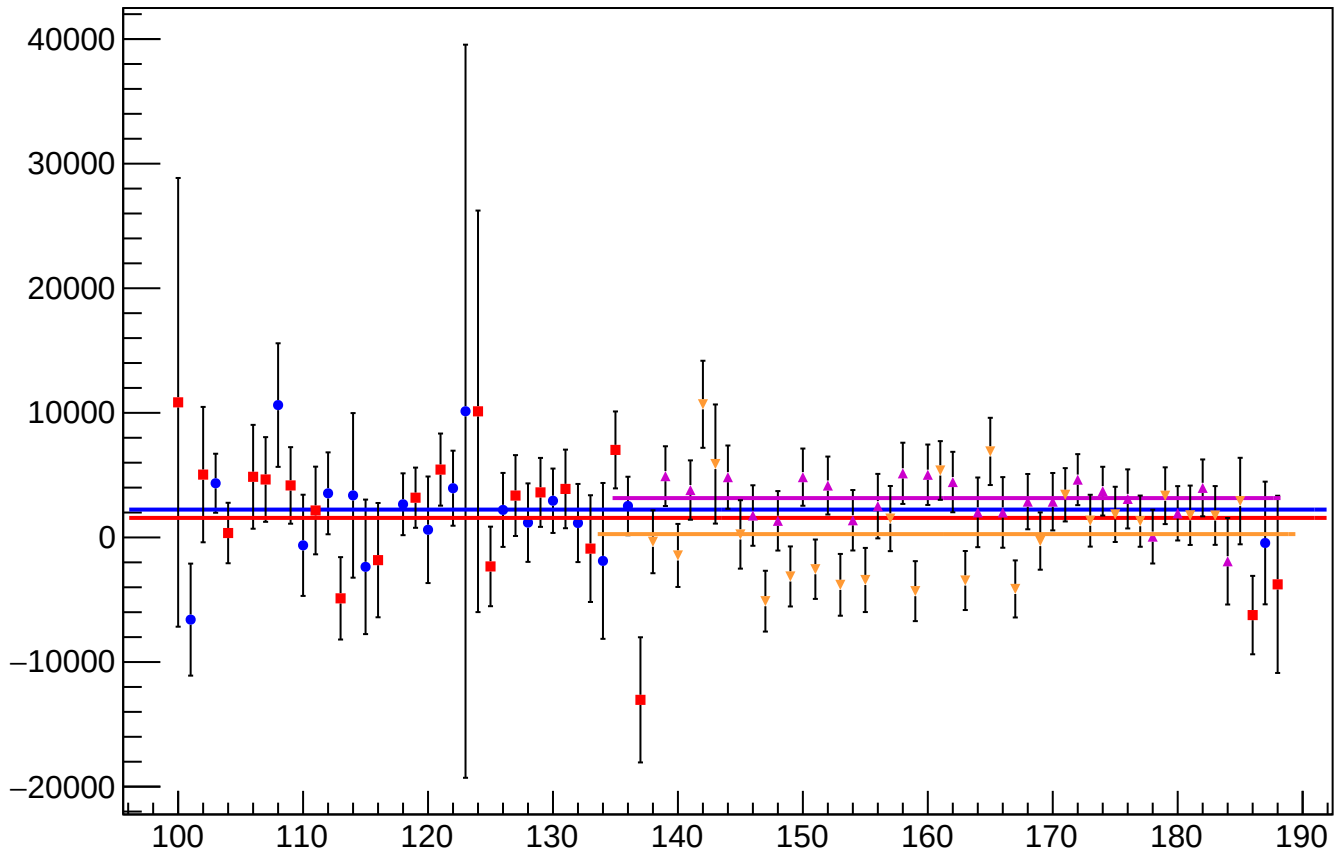
Right: 2219.568+/-0.421 χ^2/NDF : 1738134.4/38

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

Out: 1978.307+/-0.277 χ^2/NDF : 1248870.9/45

All: 1966.521+/-0.198 χ^2/NDF : 2245545.3/86

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2236.343 $\pm$ 810.703 χ^2/NDF : 10.5/17

Left Out: 268.346 $\pm$ 492.855 χ^2/NDF : 51.0/24

Right Out: 1568.109 $\pm$ 763.563 χ^2/NDF : 31.5/20

Left In: 3158.539 $\pm$ 495.573 χ^2/NDF : 10.4/22

Left: 1705.495 $\pm$ 349.458 χ^2/NDF : 78.6/47

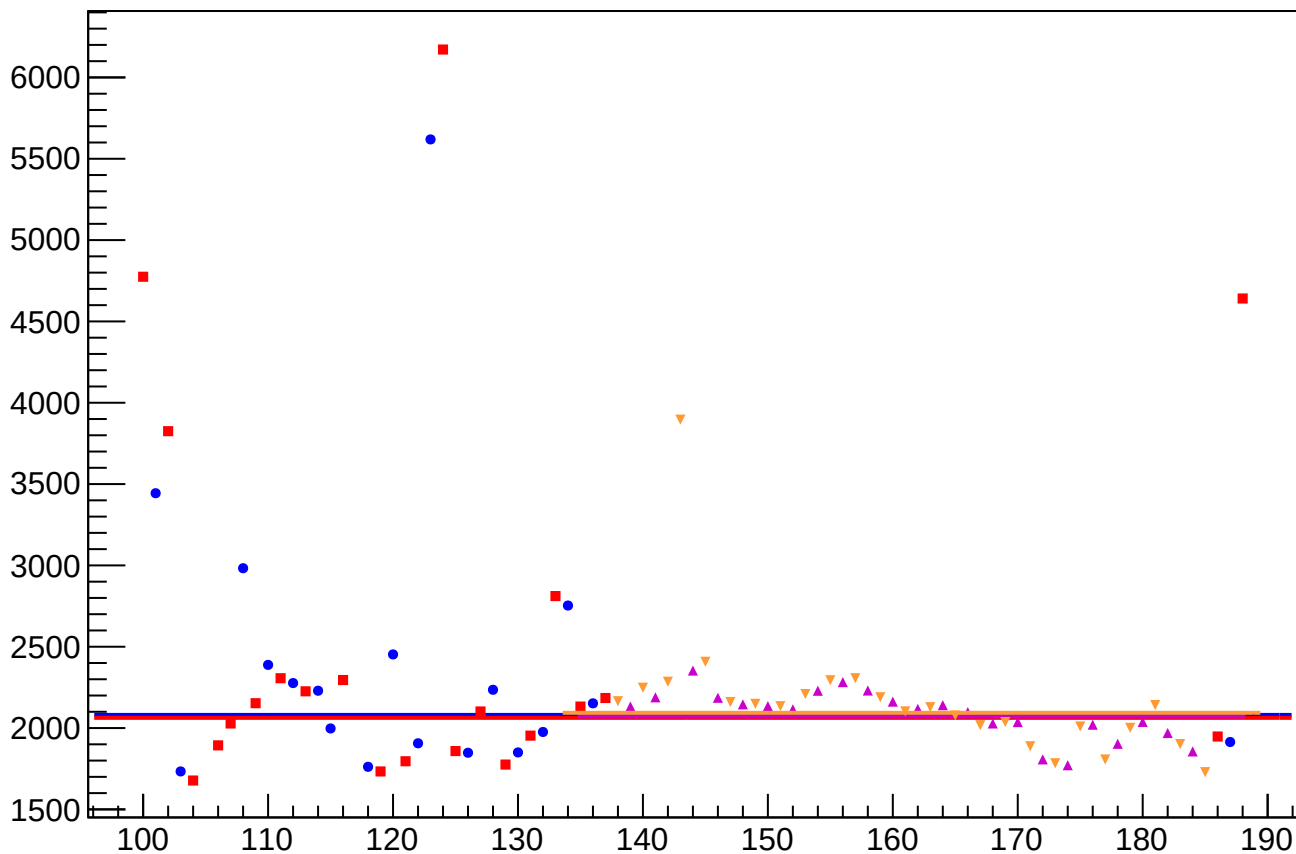
Right: 1882.234 $\pm$ 555.839 χ^2/NDF : 42.4/38

In: 2907.679 $\pm$ 422.830 χ^2/NDF : 21.9/40

Out: 650.604 $\pm$ 414.087 χ^2/NDF : 84.6/45

All: 1755.564 $\pm$ 295.846 χ^2/NDF : 121.0/86

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 2080.825 $\pm$ 0.573 χ^2 /NDF: 459419.8/17

Left Out: 2093.807 $\pm$ 0.349 χ^2 /NDF: 509405.6/24

Right Out: 2062.742 $\pm$ 0.540 χ^2 /NDF: 876621.4/20

Left In: 2071.878 $\pm$ 0.350 χ^2 /NDF: 181281.6/22

Left: 2082.903 $\pm$ 0.247 χ^2 /NDF: 692656.0/47

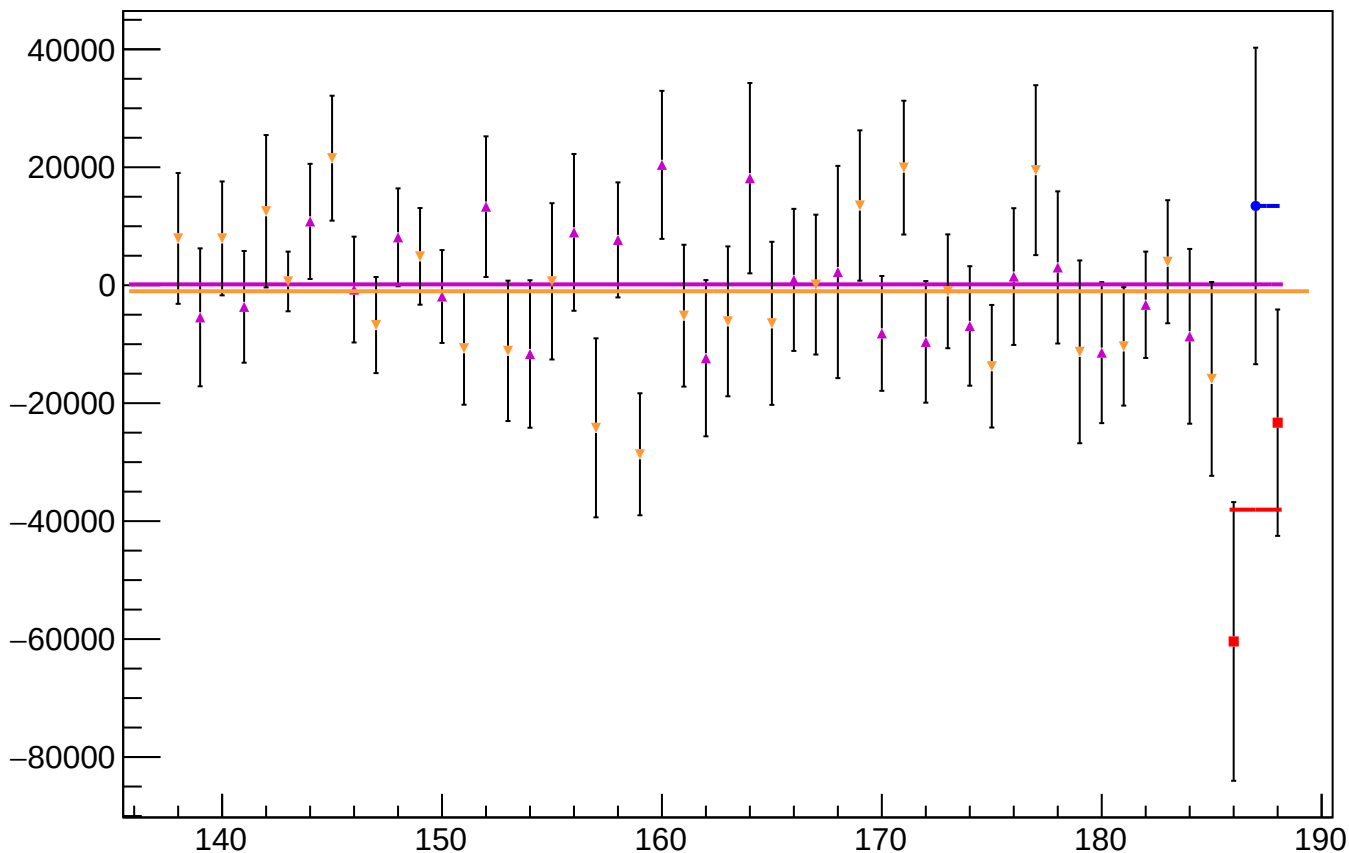
Right: 2071.241 $\pm$ 0.393 χ^2 /NDF: 1336568.7/38

In: 2074.312 $\pm$ 0.299 χ^2 /NDF: 640878.8/40

Out: 2084.668 $\pm$ 0.293 χ^2 /NDF: 1388364.6/45

All: 2079.599 $\pm$ 0.209 χ^2 /NDF: 2029855.8/86

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: 13440.796 $\pm$ 26835.566 χ^2 /NDF: 0.0/0

Left Out: -1020.828 $\pm$ 2079.143 χ^2 /NDF:30.5/24

Right Out: -38054.609 $\pm$ 14897.285 χ^2 /NDF: 1.5/1

Left In: 143.328 $\pm$ 2267.278 χ^2 /NDF:14.1/22

Left: -489.046 $\pm$ 1532.378 χ^2 /NDF: 44.8/47

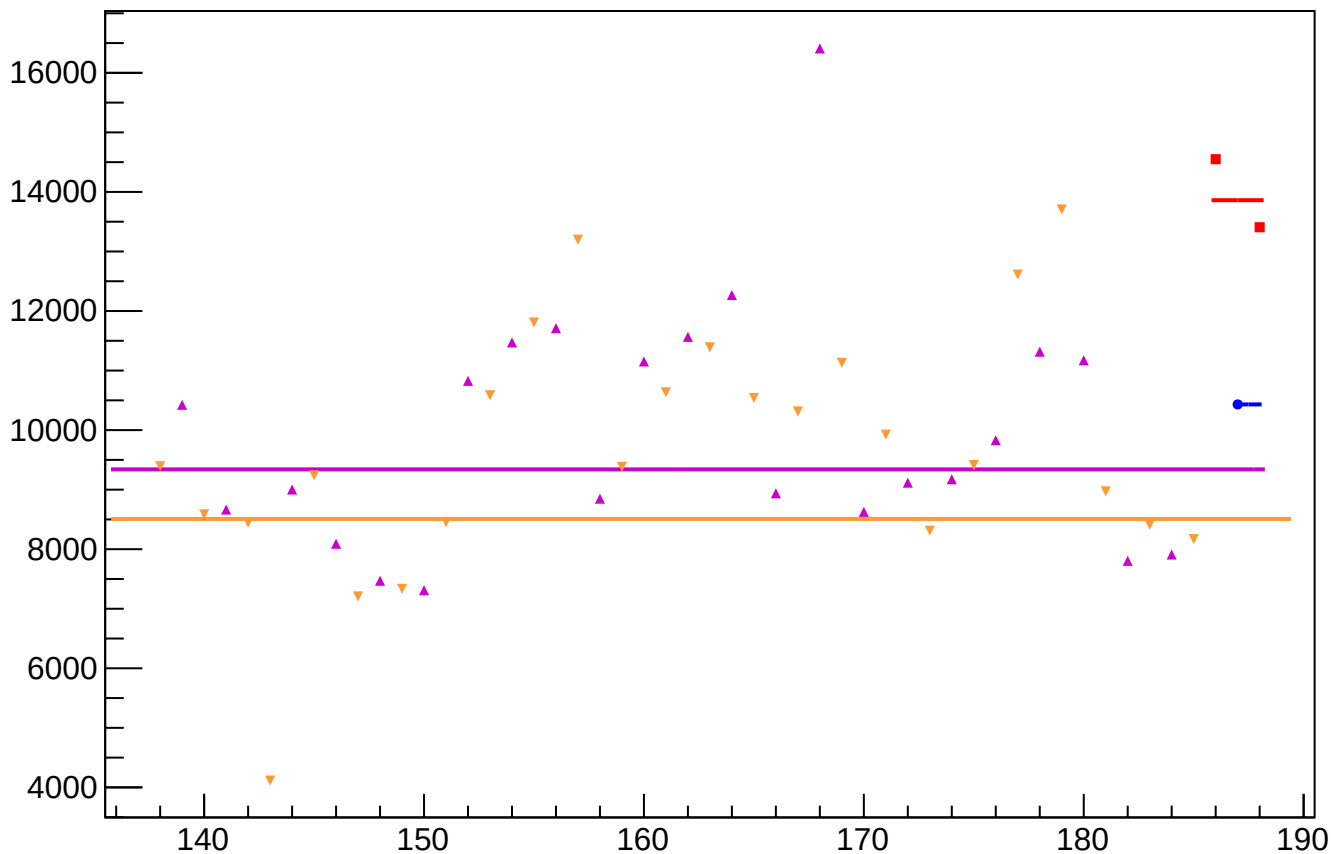
Right: -25923.612 $\pm$ 13024.911 χ^2 /NDF: 4.3/2

In: 237.575 $\pm$ 2259.229 χ^2 /NDF:14.4/23

Out: -1728.406 $\pm$ 2059.185 χ^2 /NDF:38.1/26

All: -836.292 $\pm$ 1521.881 χ^2 /NDF: 52.9/50

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 10431.753 $\pm$ 18.976 χ^2/NDF : 0.0/0

Left Out: 8508.371 $\pm$ 1.470 χ^2/NDF : 2793100.6/24

Right Out: 13861.389 $\pm$ 10.534 χ^2/NDF : 2817.5/1

Left In: 9340.671 $\pm$ 1.603 χ^2/NDF : 1122275.5/22

Left: 8888.562 $\pm$ 1.084 χ^2/NDF : 4061776.5/47

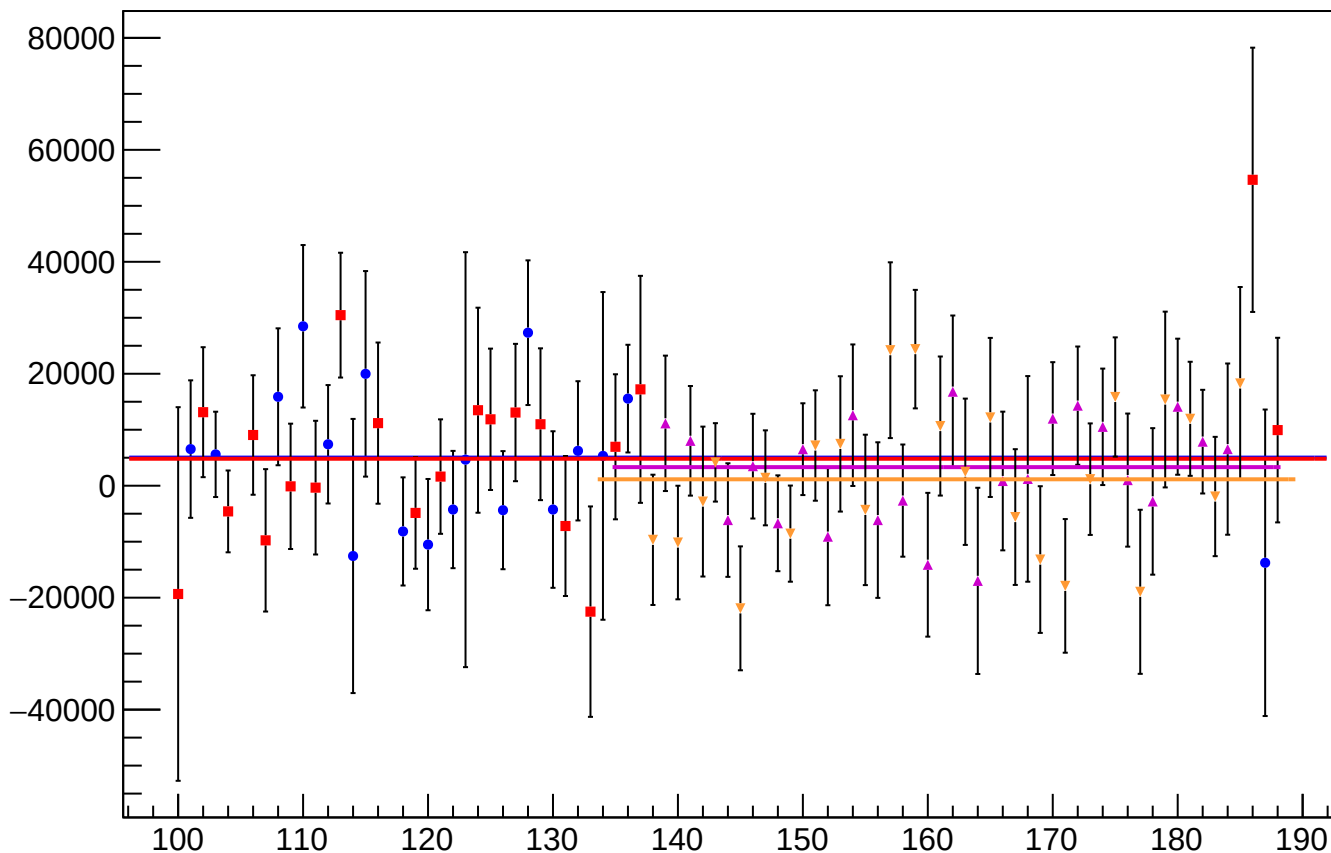
Right: 13053.455 $\pm$ 9.210 χ^2/NDF : 27788.8/2

In: 9348.404 $\pm$ 1.598 χ^2/NDF : 1125558.2/23

Out: 8610.648 $\pm$ 1.456 χ^2/NDF : 3049218.0/26

All: 8945.423 $\pm$ 1.076 χ^2/NDF : 4291270.9/50

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: 4818.818 $\pm$ 2732.807 χ^2 /NDF: 20.3/20

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

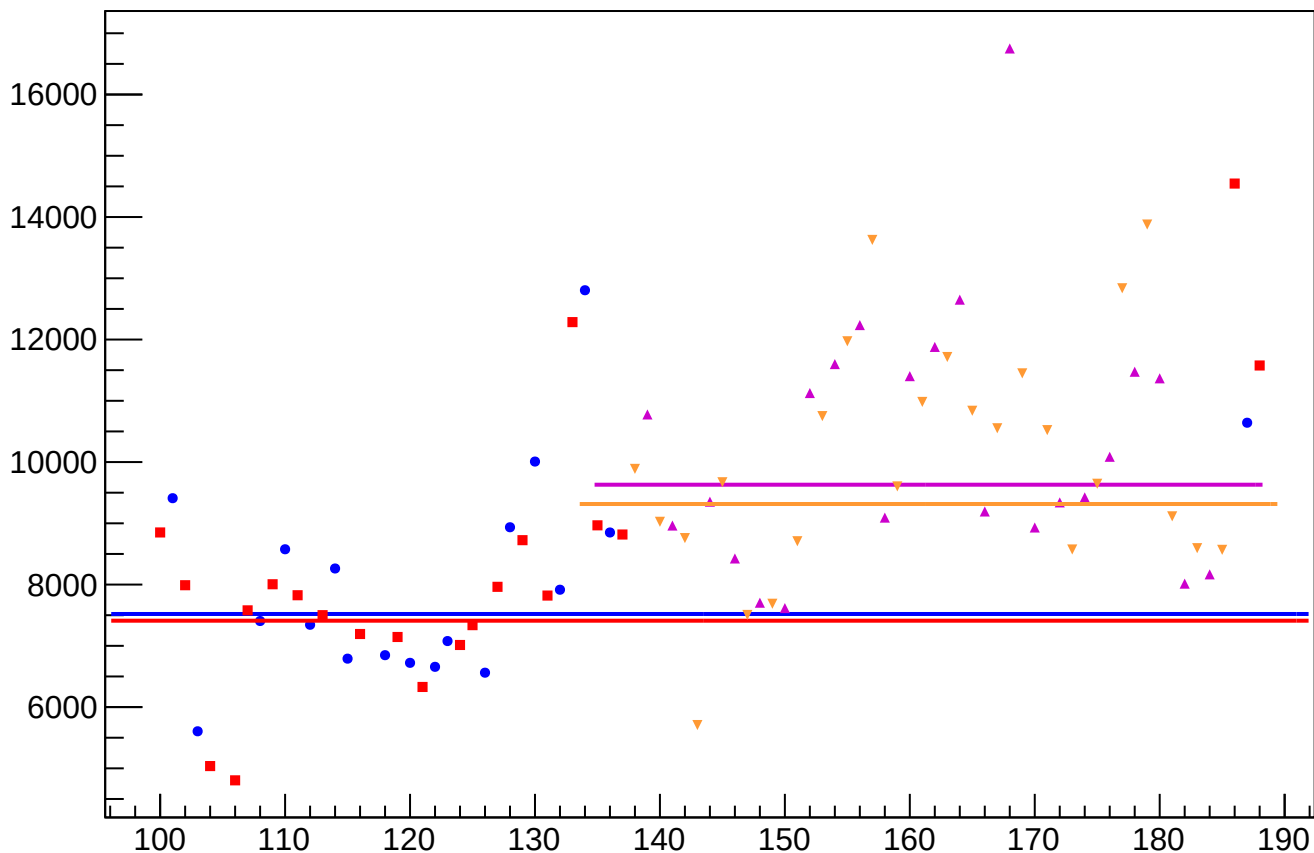
Right: 4912.878 $\pm$ 1998.228 χ^2 /NDF: 35.2/38

In: 3979.435 $\pm$ 1826.452 χ^2 /NDF:28.6/40

Out: 2615.439 $\pm$ 1728.850 χ^2 /NDF:49.2/45

All: 3260.020 $\pm$ 1255.569 χ^2 /NDF: 78.1/86

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: 7410.410 $\pm$ 1.932 χ^2/NDF : 881501.2/20

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

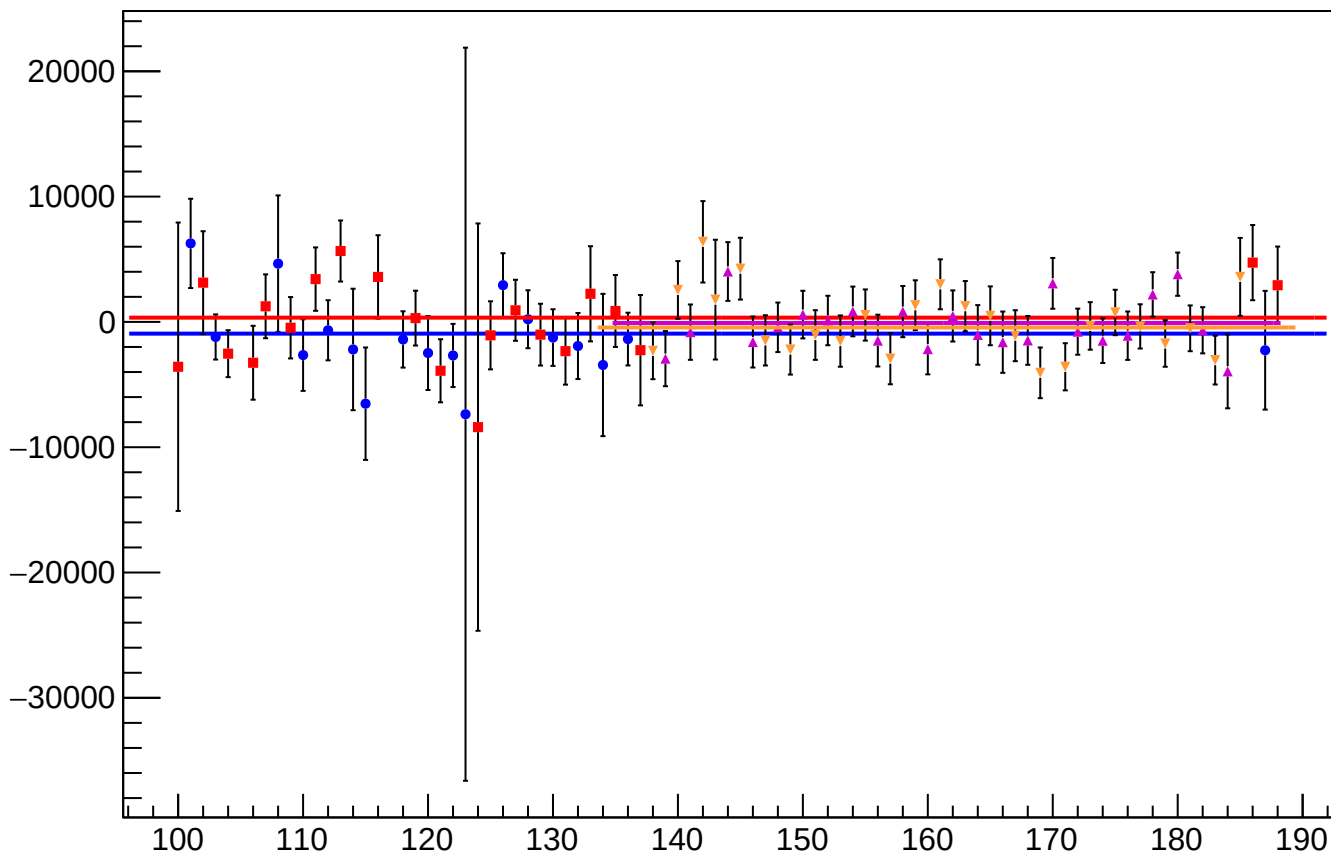
Right: 7461.375 $\pm$ 1.413 χ^2/NDF : 1341118.2/38

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

Out: 8552.874 $\pm$ 1.222 χ^2/NDF : 2967993.6/45

All: 8674.302 $\pm$ 0.888 χ^2/NDF : 5156178.8/86

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -935.737 $\pm$ 664.719 χ^2 /NDF: 11.0/17

Left Out: -445.526 $\pm$ 418.017 χ^2 /NDF:28.9/24

Right Out: 339.875 $\pm$ 615.301 χ^2 /NDF: 20.1/20

Left In: -85.195 $\pm$ 421.350 χ^2 /NDF:20.7/22

Left: -266.791 $\pm$ 296.754 χ^2 /NDF: 50.0/47

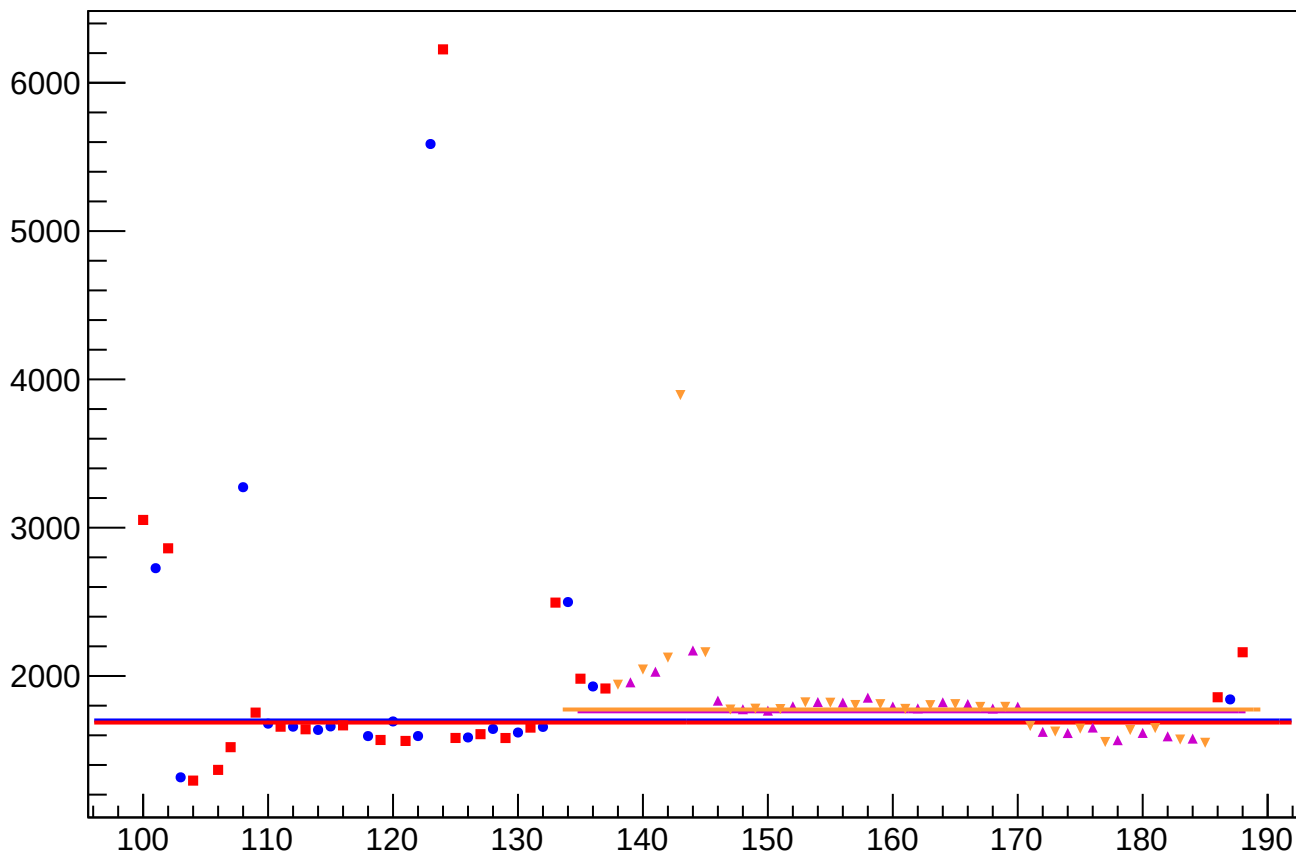
Right: -248.757 $\pm$ 451.545 χ^2 /NDF: 33.1/38

In: -328.987 $\pm$ 355.877 χ^2 /NDF:32.9/40

Out: -197.503 $\pm$ 345.771 χ^2 /NDF:50.1/45

All: -261.352 $\pm$ 247.993 χ^2 /NDF: 83.1/86

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1700.091+/-0.470 χ^2/NDF : 541559.3/17

Left Out: 1774.084+/-0.296 χ^2/NDF : 621530.1/24

Right Out: 1686.064+/-0.435 χ^2/NDF : 660571.9/20

Left In: 1761.787+/-0.298 χ^2/NDF : 214639.5/22

Left: 1767.985+/-0.210 χ^2/NDF : 837028.0/47

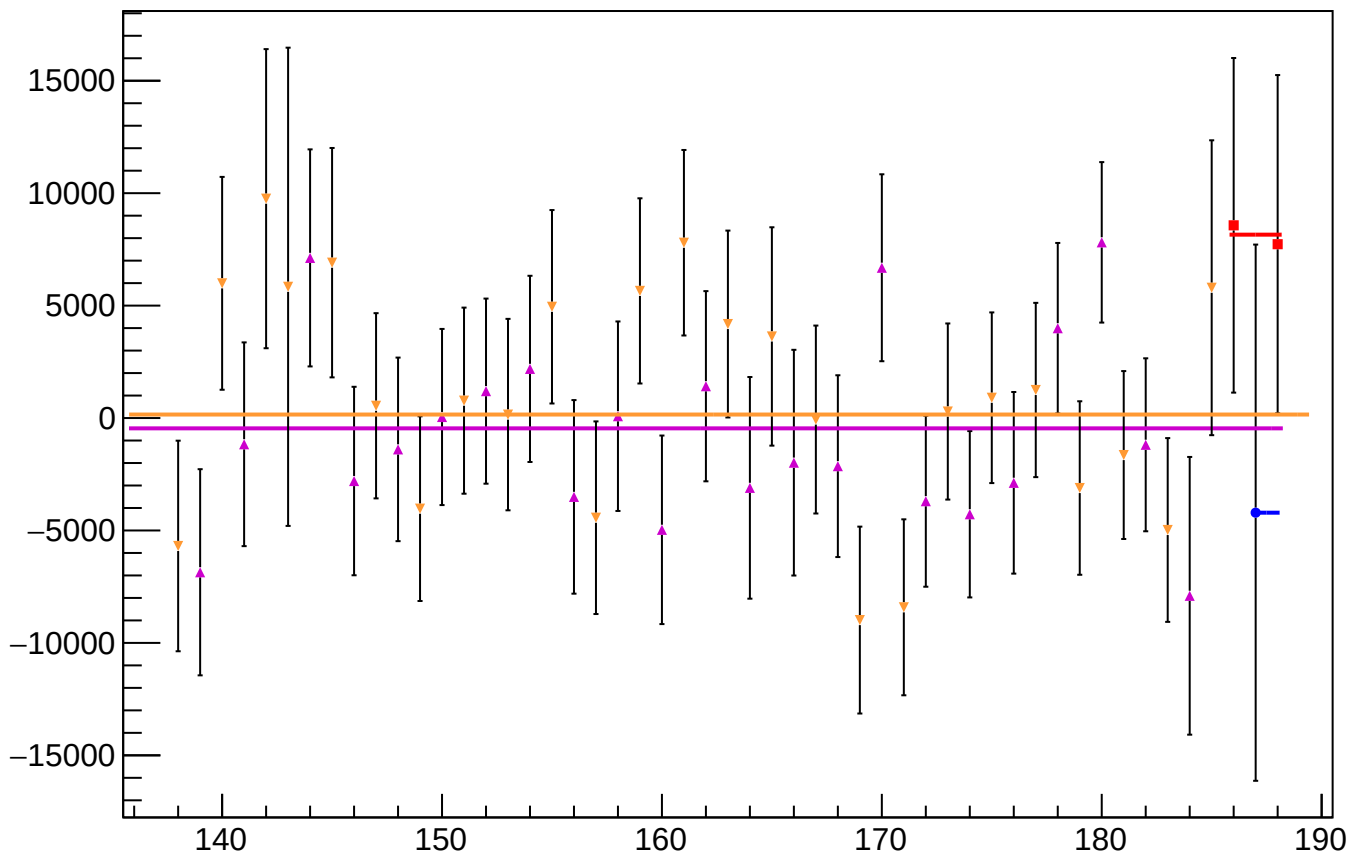
Right: 1692.537+/-0.319 χ^2/NDF : 1202610.9/38

In: 1744.103+/-0.252 χ^2/NDF : 768489.9/40

Out: 1746.288+/-0.244 χ^2/NDF : 1310105.0/45

All: 1745.227+/-0.175 χ^2/NDF : 2078633.7/86

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: -4209.056 ± 11923.182 χ^2/NDF : 0.0/0

Left Out: 156.218 ± 869.587 χ^2/NDF : 30.4/24

Right Out: 8155.384 ± 5289.811 χ^2/NDF : 0.0/1

Left In: -458.566 ± 874.634 χ^2/NDF : 21.2/22

Left: -149.395 ± 616.667 χ^2/NDF : 51.8/47

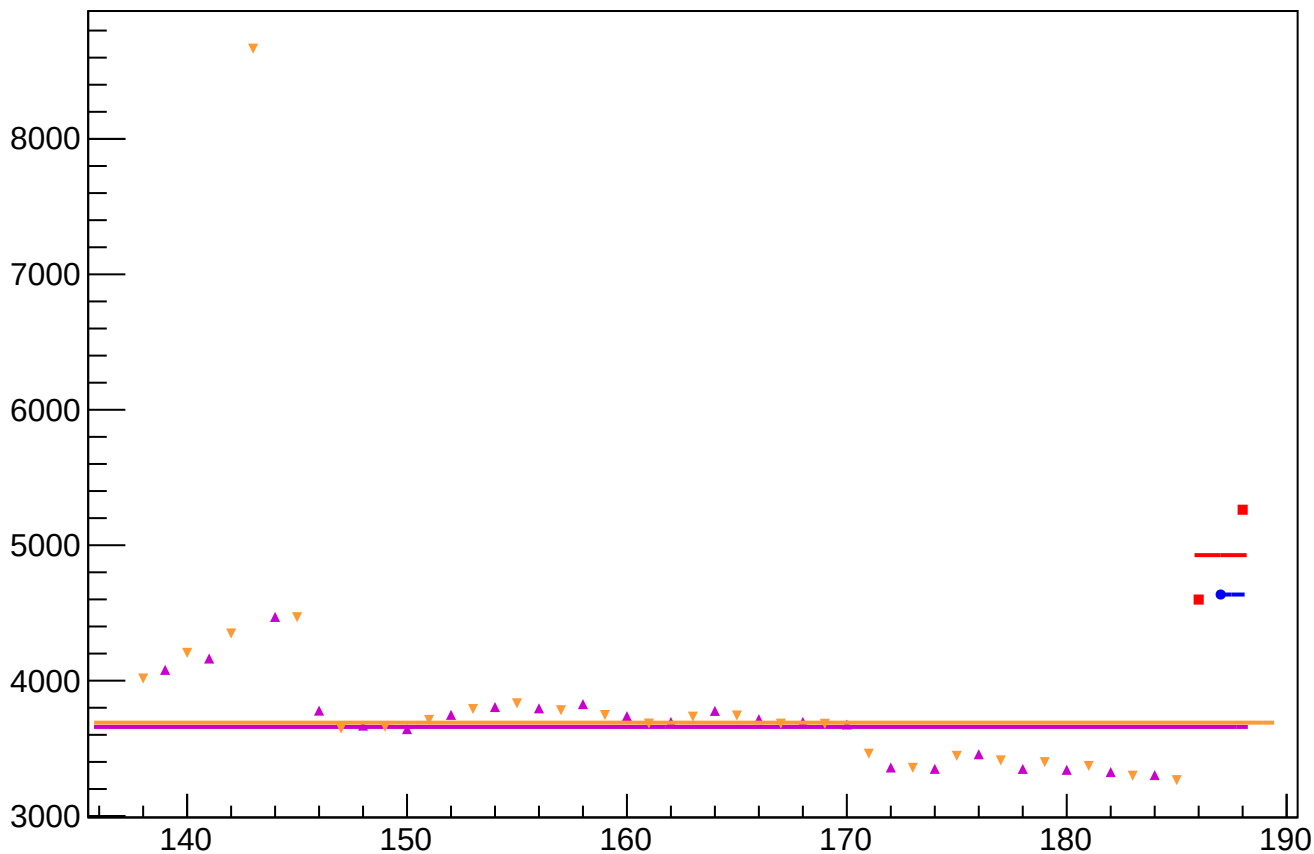
Right: 6121.916 ± 4835.302 χ^2/NDF : 0.9/2

In: -478.639 ± 872.291 χ^2/NDF : 21.3/23

Out: 366.698 ± 858.070 χ^2/NDF : 32.6/26

All: -49.024 ± 611.713 χ^2/NDF : 54.3/50

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 4635.933+/-8.431 χ^2/NDF : 0.0/0

Left Out: 3690.073+/-0.615 χ^2/NDF : 635939.2/24

Right Out: 4926.790+/-3.740 χ^2/NDF : 7858.7/1

Left In: 3658.346+/-0.618 χ^2/NDF : 193399.4/22

Left: 3674.301+/-0.436 χ^2/NDF : 830662.0/47

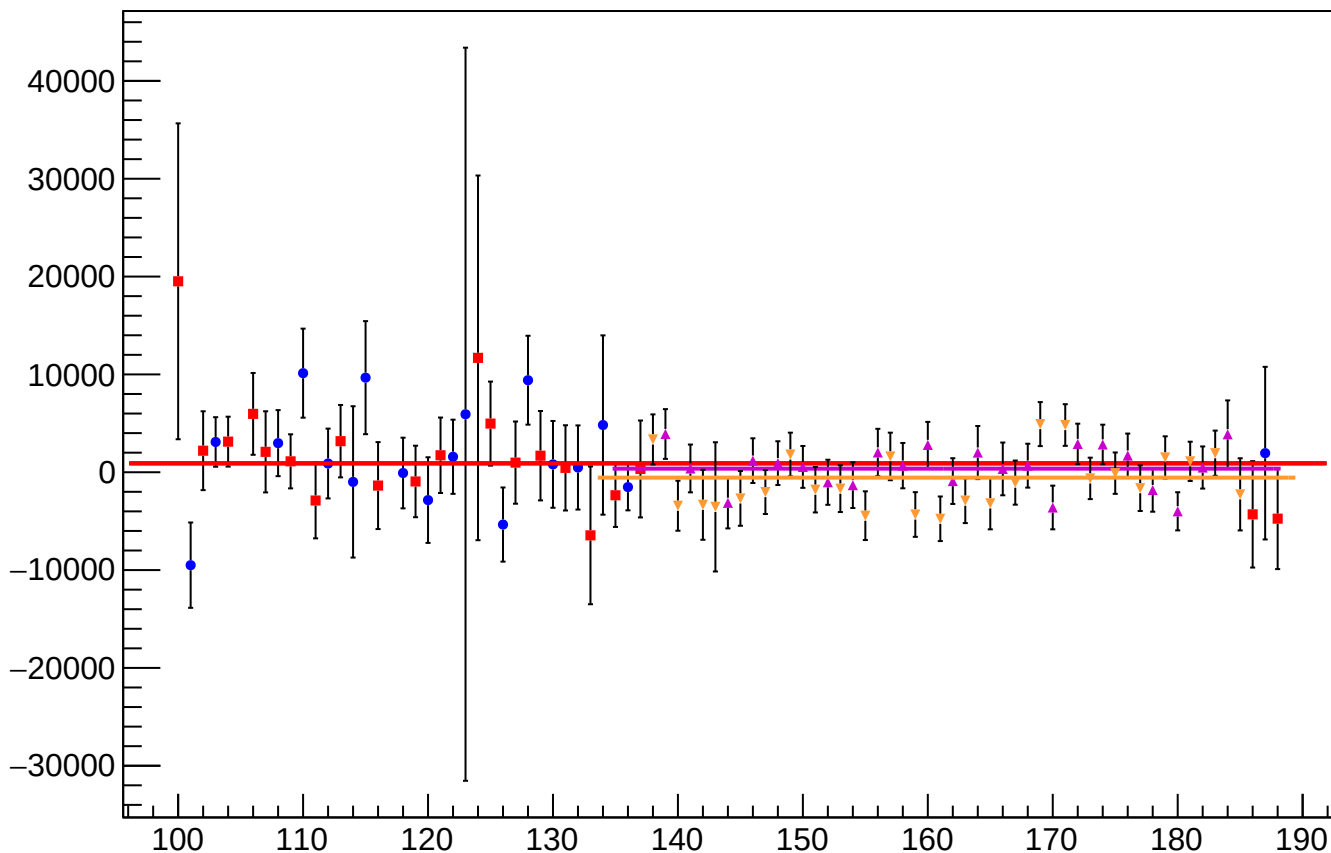
Right: 4878.956+/-3.419 χ^2/NDF : 8853.2/2

In: 3663.579+/-0.617 χ^2/NDF : 206772.3/23

Out: 3722.614+/-0.607 χ^2/NDF : 750239.1/26

All: 3693.582+/-0.433 χ^2/NDF : 961667.2/50

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: 898.618+/-897.978 χ^2/NDF : 11.2/20

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

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

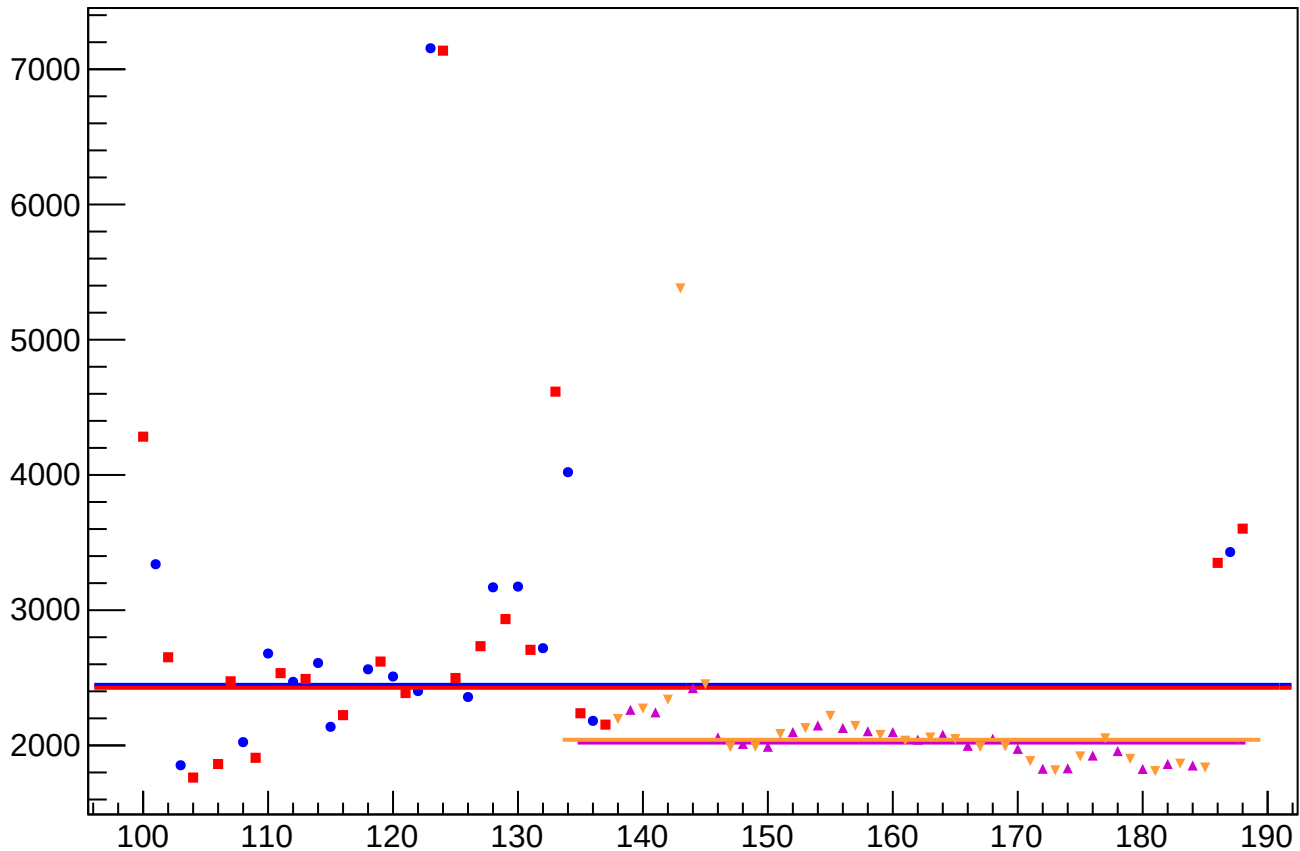
Right: 906.573+/-654.598 χ^2/NDF : 32.8/38

In: 477.941+/-431.191 χ^2/NDF :42.4/40

Out: -227.469+/-424.435 χ^2/NDF :47.2/45

All: 119.666+/-302.481 χ^2/NDF : 91.0/86

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: 2426.200 $\pm$ 0.635 χ^2/NDF : 827591.2/20

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

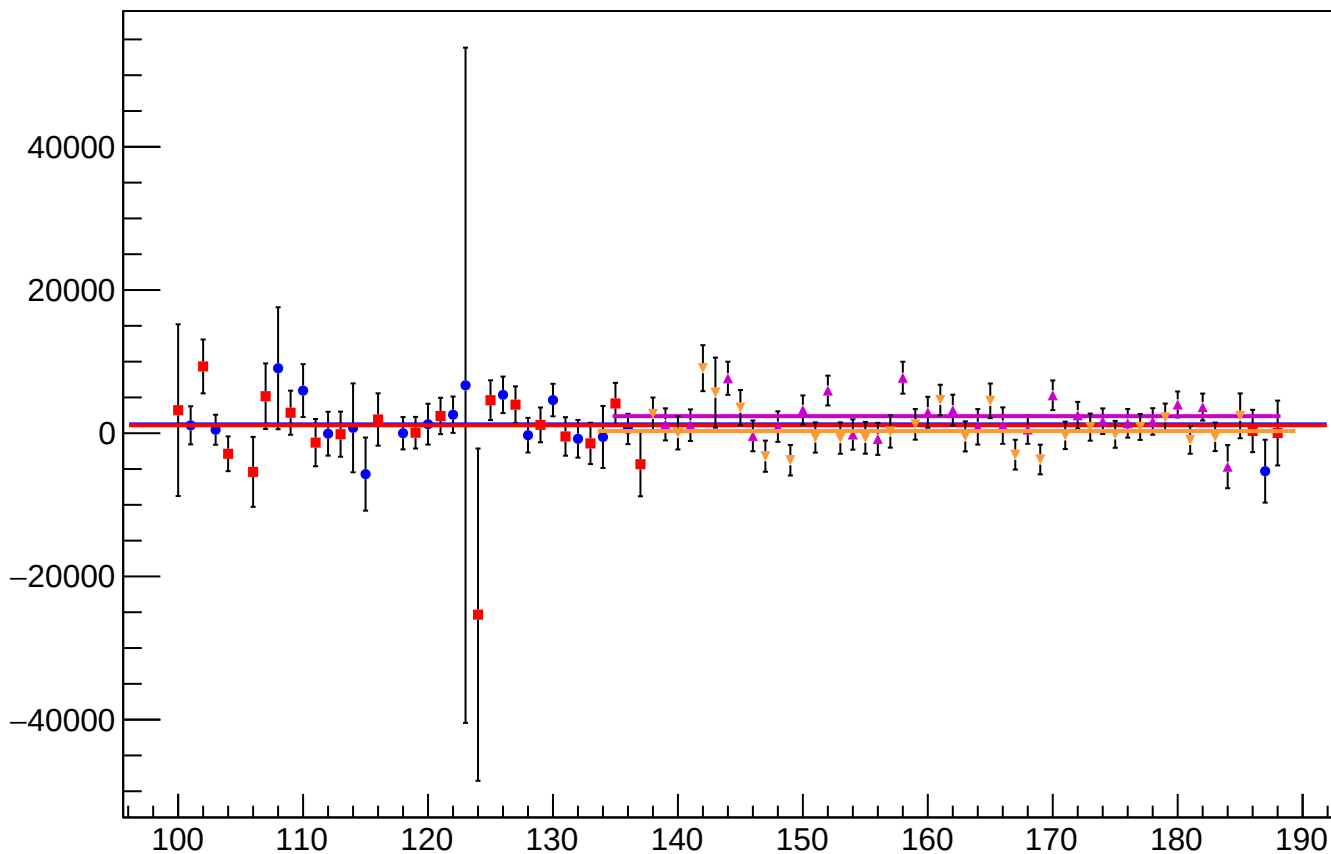
Right: 2436.382 $\pm$ 0.463 χ^2/NDF : 1321759.0/38

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

Out: 2127.662 $\pm$ 0.300 χ^2/NDF :1819091.7/45

All: 2117.917 $\pm$ 0.214 χ^2/NDF : 2811081.1/86

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1234.427 $\pm$ 691.004 χ^2/NDF : 13.6/17

Left Out: 307.312 $\pm$ 435.678 χ^2/NDF : 34.4/24

Right Out: 1117.494 $\pm$ 687.173 χ^2/NDF : 19.6/20

Left In: 2383.232 $\pm$ 438.943 χ^2/NDF : 31.3/22

Left: 1337.521 $\pm$ 309.219 χ^2/NDF : 77.0/47

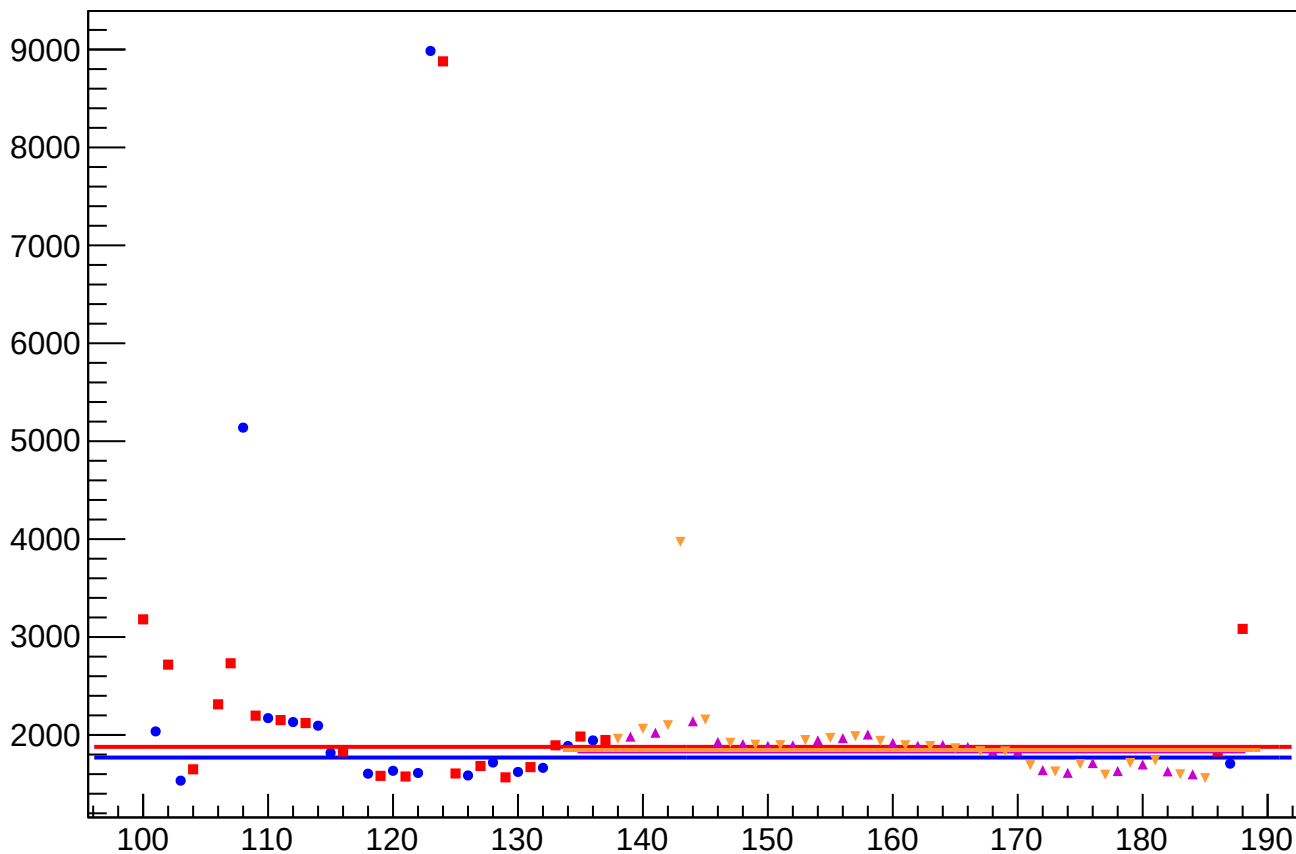
Right: 1175.635 $\pm$ 487.253 χ^2/NDF : 33.2/38

In: 2052.949 $\pm$ 370.510 χ^2/NDF : 46.8/40

Out: 539.607 $\pm$ 367.955 χ^2/NDF : 55.0/45

All: 1291.042 $\pm$ 261.082 χ^2/NDF : 110.2/86

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1769.376 $\pm$ 0.489 χ^2 /NDF: 524001.9/17

Left Out: 1846.193 $\pm$ 0.308 χ^2 /NDF: 626949.3/24

Right Out: 1878.592 $\pm$ 0.485 χ^2 /NDF: 742940.9/20

Left In: 1831.219 $\pm$ 0.310 χ^2 /NDF: 229043.3/22

Left: 1838.762 $\pm$ 0.219 χ^2 /NDF: 857165.1/47

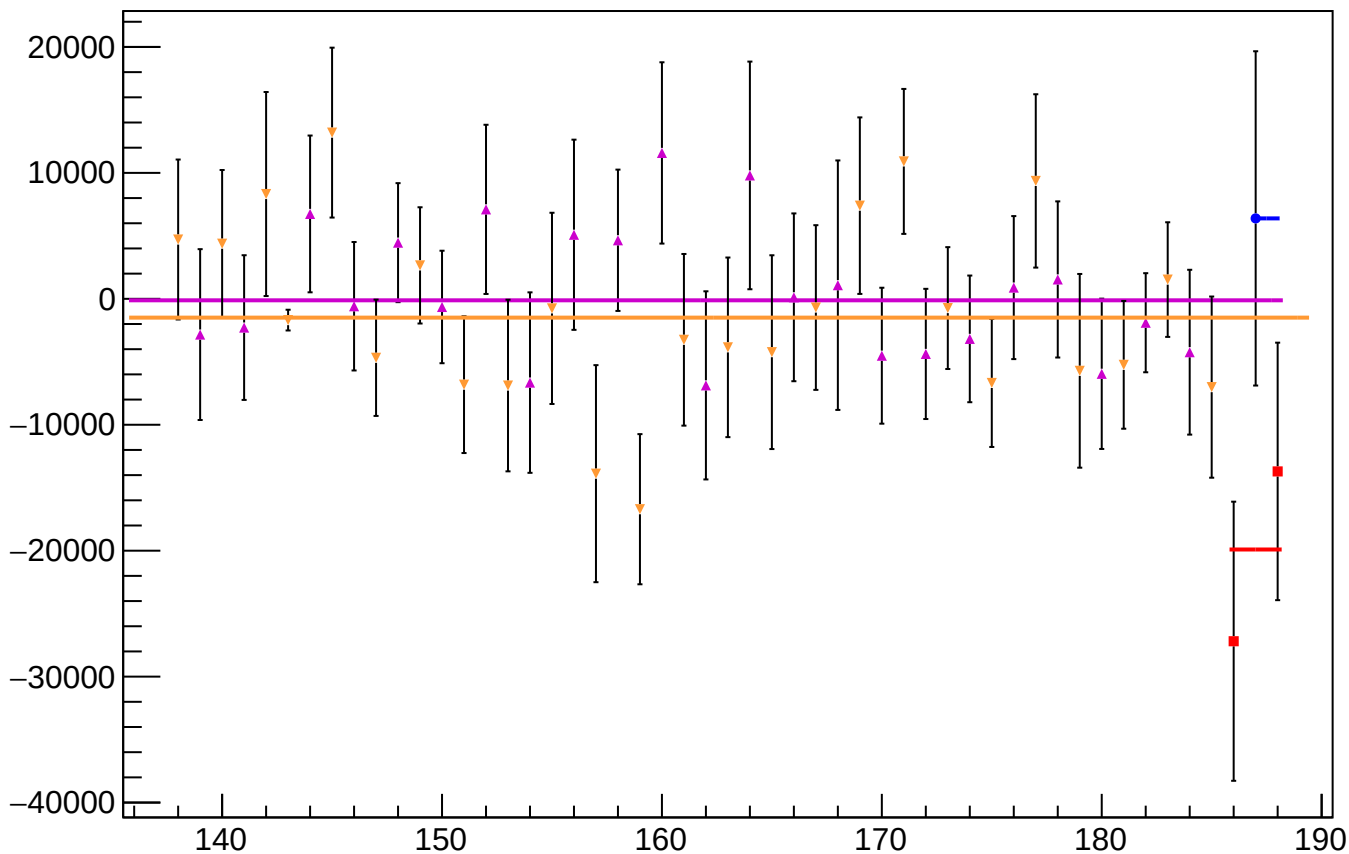
Right: 1824.347 $\pm$ 0.344 χ^2 /NDF: 1292090.0/38

In: 1813.439 $\pm$ 0.262 χ^2 /NDF: 764459.0/40

Out: 1855.497 $\pm$ 0.260 χ^2 /NDF: 1373066.2/45

All: 1834.620 $\pm$ 0.185 χ^2 /NDF: 2150503.8/86

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 6386.349 $\pm$ 13272.240 χ^2 /NDF: 0.0/0

Left Out: -1493.254 $\pm$ 684.837 χ^2 /NDF:31.7/24

Right Out: -19905.157 $\pm$ 7514.257 χ^2 /NDF: 0.8/1

Left In: -118.284 $\pm$ 1222.854 χ^2 /NDF:13.7/22

Left: -1164.974 $\pm$ 597.517 χ^2 /NDF: 46.4/47

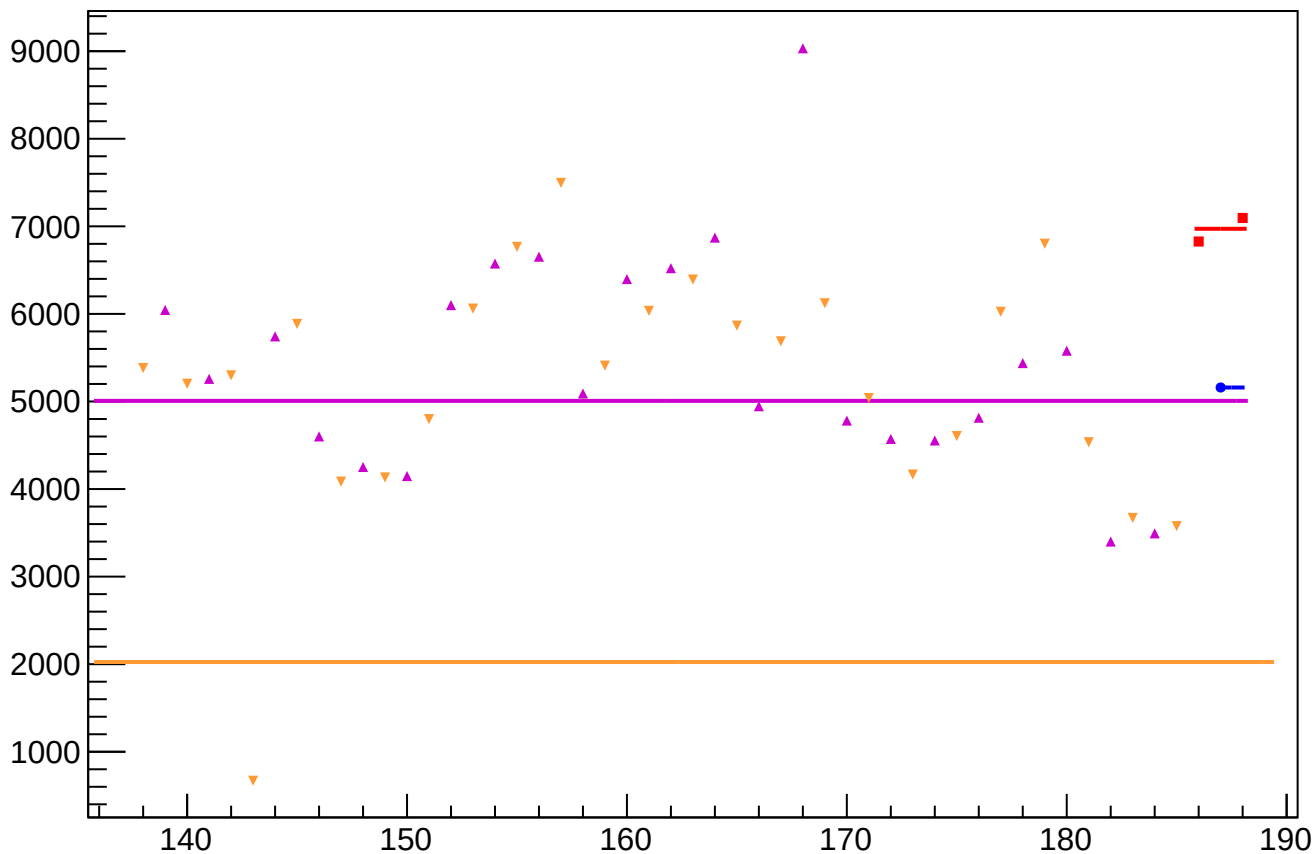
Right: -13523.298 $\pm$ 6538.981 χ^2 /NDF: 3.8/2

In: -63.530 $\pm$ 1217.697 χ^2 /NDF:14.0/23

Out: -1644.927 $\pm$ 682.011 χ^2 /NDF:38.4/26

All: -1267.310 $\pm$ 595.037 χ^2 /NDF: 53.7/50

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 5159.612 $\pm$ 9.385 χ^2 /NDF: 0.0/0

Left Out: 2024.652 $\pm$ 0.484 χ^2 /NDF:18819780.3/24

Right Out: 6971.866 $\pm$ 5.313 χ^2 /NDF: 636.5/1

Left In: 5006.911 $\pm$ 0.865 χ^2 /NDF:1537926.5/22

Left: 2736.677 $\pm$ 0.423 χ^2 /NDF: 29412871.6/47

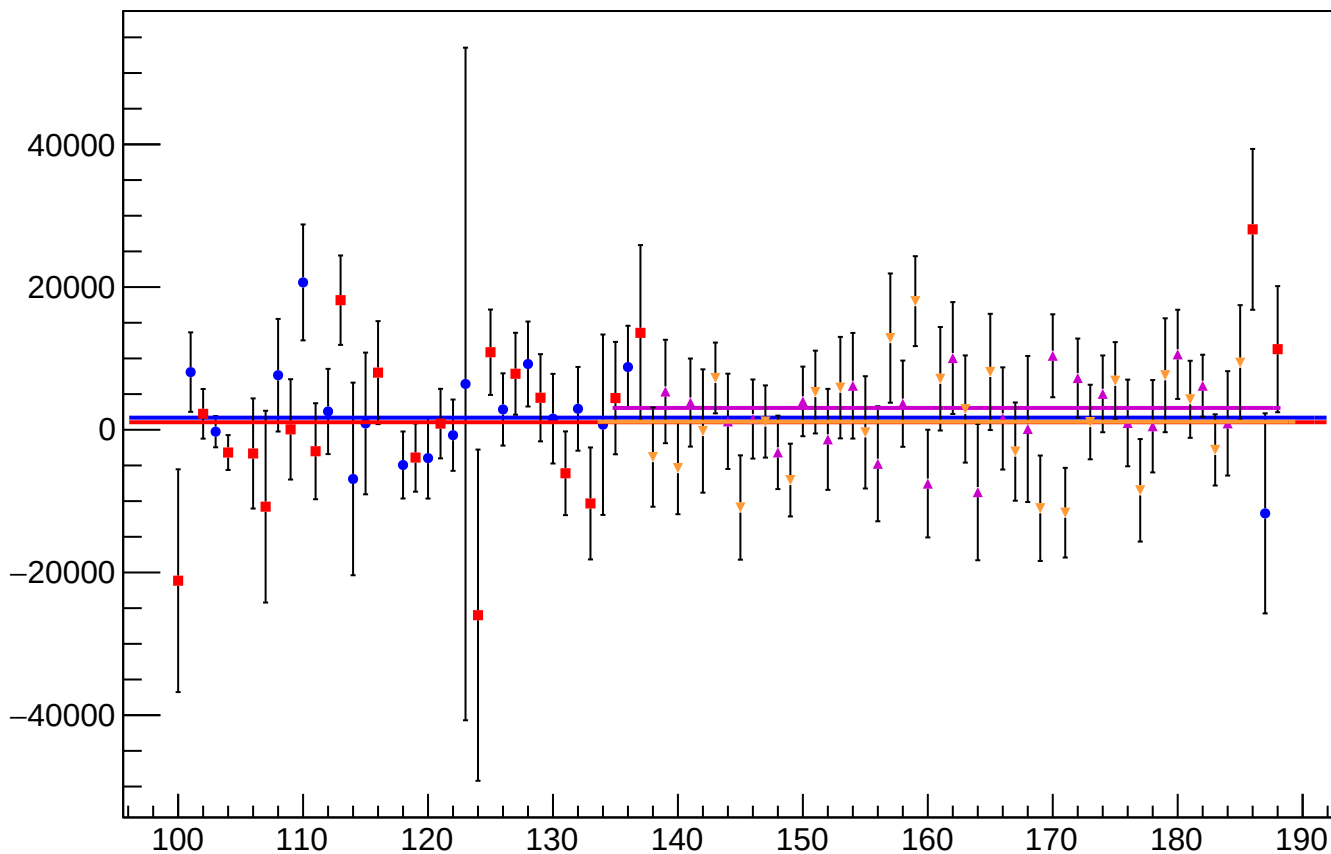
Right: 6531.969 $\pm$ 4.624 χ^2 /NDF: 28874.1/2

In: 5008.196 $\pm$ 0.861 χ^2 /NDF:1538189.0/23

Out: 2065.406 $\pm$ 0.482 χ^2 /NDF:19680196.2/26

All: 2768.105 $\pm$ 0.421 χ^2 /NDF: 30109918.8/5

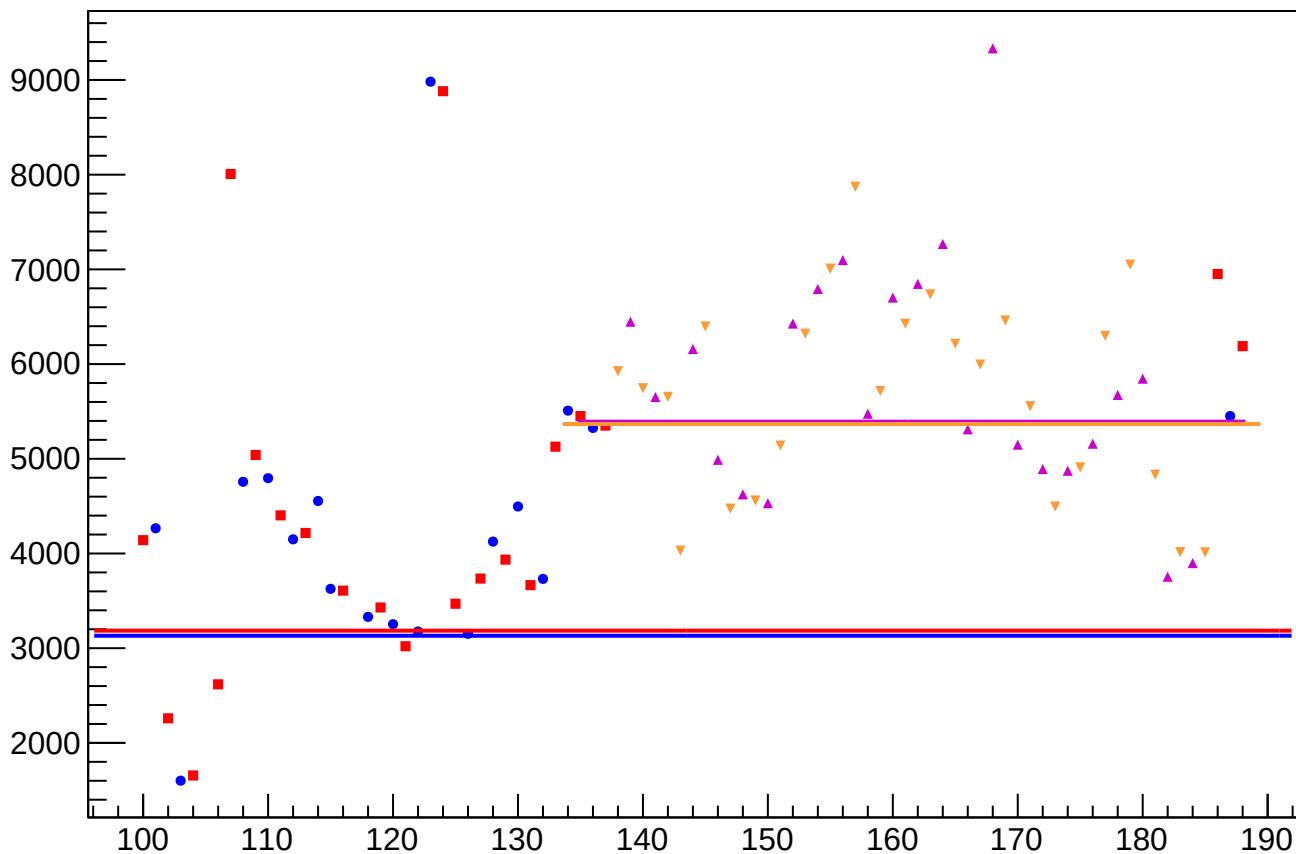
asym_atl_avg_mean vs Slug, Sign Corrected



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: 1057.016+/-1264.636 χ^2/NDF : 33.8/20
 Left In: 3061.439+/-1313.197 χ^2/NDF : 12.3/22

Left: 2072.439+/-916.686 χ^2/NDF : 45.9/47
 Right: 1370.084+/-905.031 χ^2/NDF : 49.8/38
 In: 2370.976+/-922.338 χ^2/NDF : 28.8/40
 Out: 1094.296+/-899.689 χ^2/NDF : 66.2/45
 All: 1716.768+/-644.035 χ^2/NDF : 96.0/86

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: 3185.192 $\pm$ 0.882 χ^2 /NDF: 2478753.7/20

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

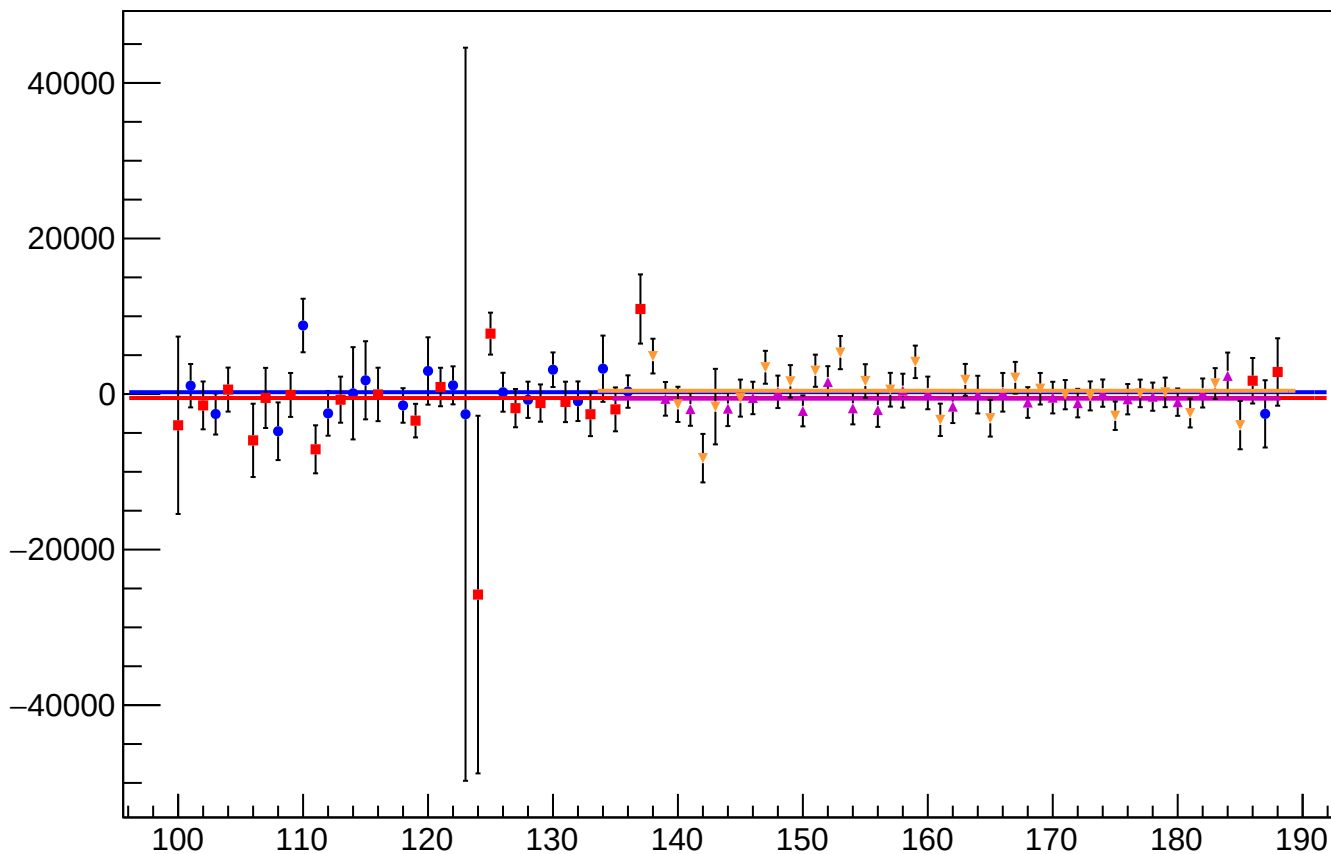
Right: 3159.395 $\pm$ 0.635 χ^2 /NDF: 4414737.2/38

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

Out: 4247.336 $\pm$ 0.632 χ^2 /NDF: 6673132.3/45

All: 4246.997 $\pm$ 0.454 χ^2 /NDF: 12930390.6/85

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 237.368 $\pm$ 693.399 χ^2 /NDF: 14.4/17

Left Out: 418.780 $\pm$ 425.452 χ^2 /NDF:39.9/24

Right Out: -510.180 $\pm$ 665.719 χ^2 /NDF: 28.0/20

Left In: -595.101 $\pm$ 429.153 χ^2 /NDF:5.7/22

Left: -83.770 $\pm$ 302.140 χ^2 /NDF: 48.4/47

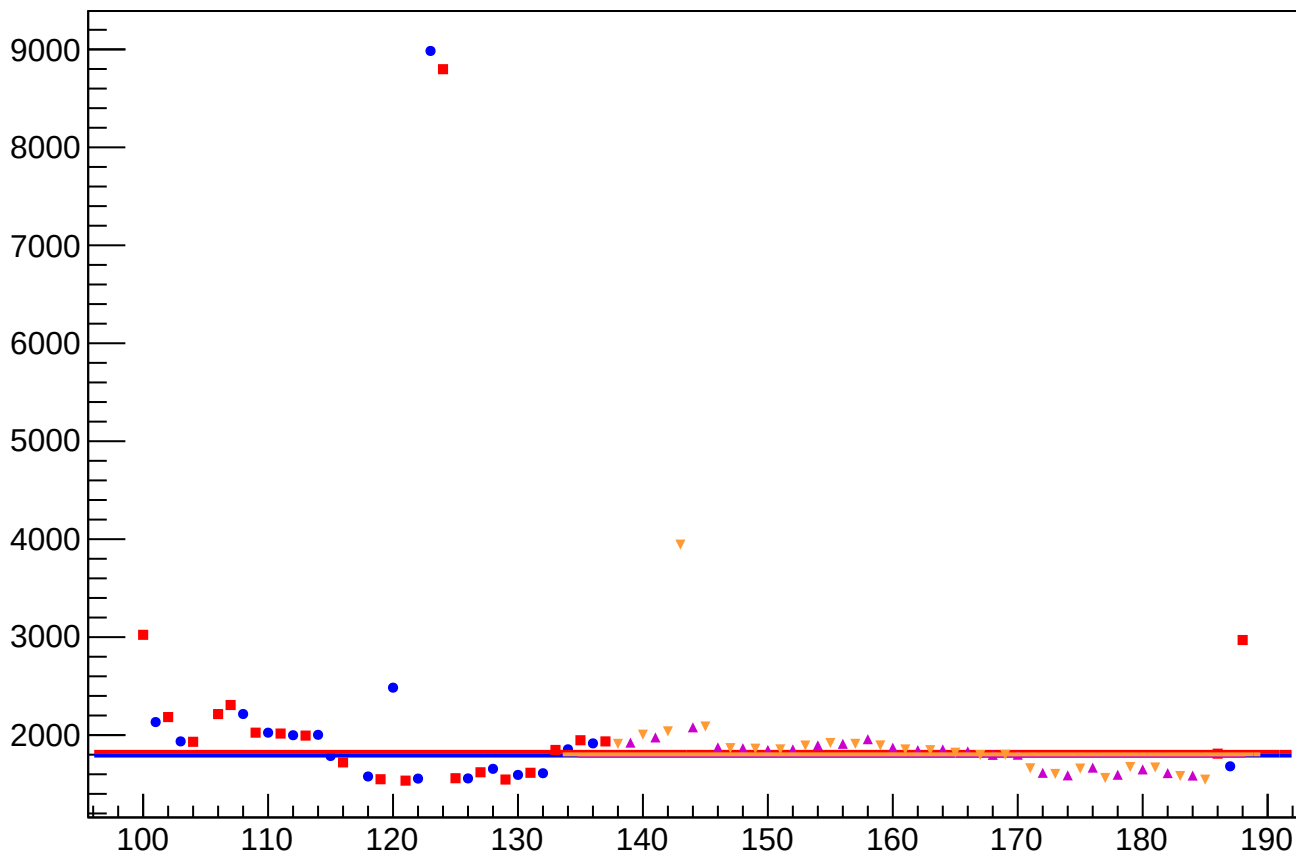
Right: -151.625 $\pm$ 480.222 χ^2 /NDF: 43.0/38

In: -364.540 $\pm$ 364.916 χ^2 /NDF:21.1/40

Out: 149.391 $\pm$ 358.495 χ^2 /NDF:69.4/45

All: -103.013 $\pm$ 255.734 χ^2 /NDF: 91.5/86

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1791.183+/-0.490 χ^2/NDF : 278010.5/17

Left Out: 1803.254+/-0.301 χ^2/NDF : 616372.0/24

Right Out: 1828.757+/-0.470 χ^2/NDF : 586999.3/20

Left In: 1790.999+/-0.303 χ^2/NDF : 210711.4/22

Left: 1797.180+/-0.214 χ^2/NDF : 827905.8/47

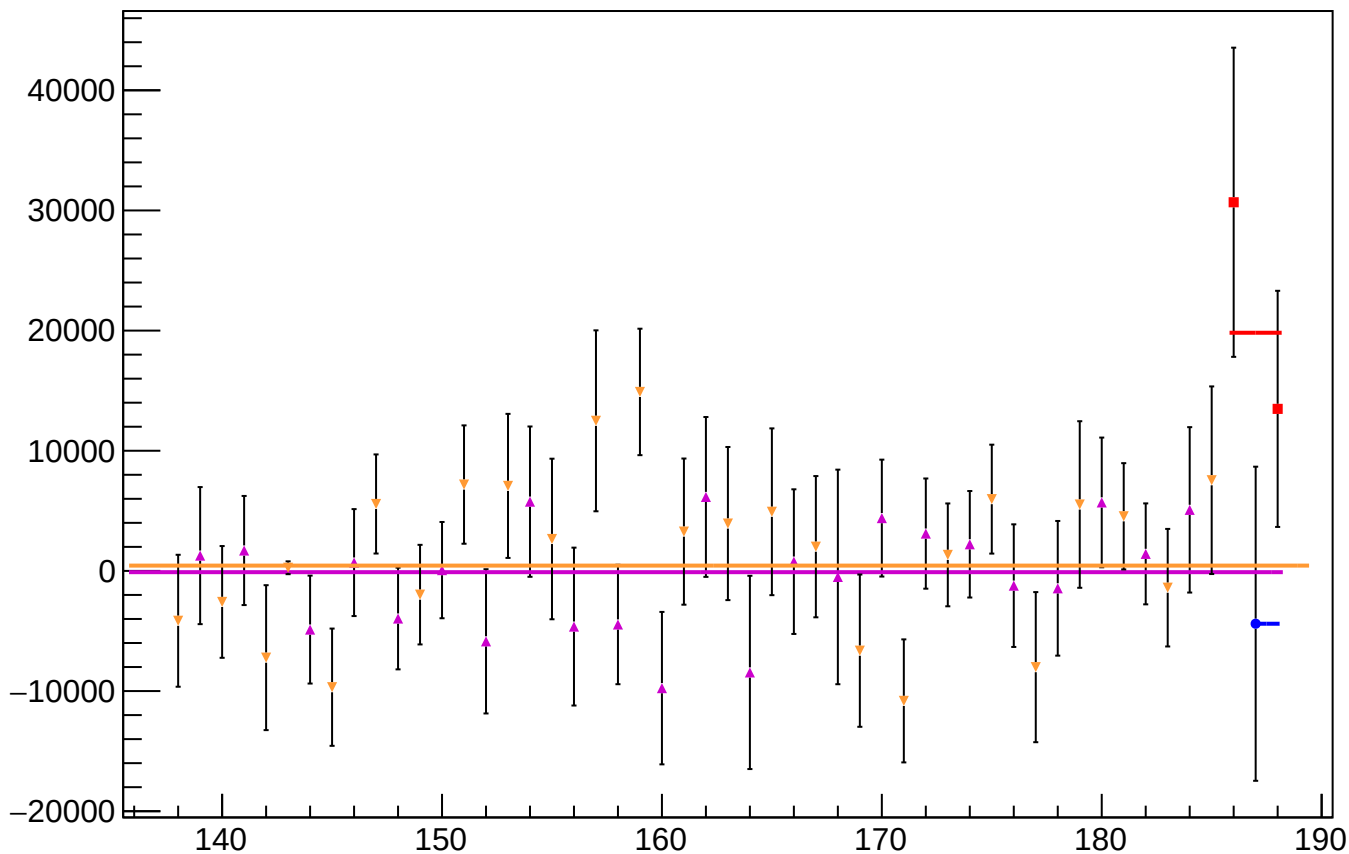
Right: 1810.762+/-0.339 χ^2/NDF : 868069.9/38

In: 1791.050+/-0.258 χ^2/NDF : 488721.9/40

Out: 1810.665+/-0.253 χ^2/NDF : 1205459.6/45

All: 1801.036+/-0.181 χ^2/NDF : 1697123.1/86

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: -4397.127+/-13071.338 χ^2/NDF : 0.0/0

Left Out: 441.916+/-479.882 χ^2/NDF :35.2/24

Right Out: 19820.877+/-7809.319 χ^2/NDF : 1.1/1

Left In: -105.335+/-1090.763 χ^2/NDF :13.1/22

Left: 353.170+/-439.251 χ^2/NDF : 48.5/47

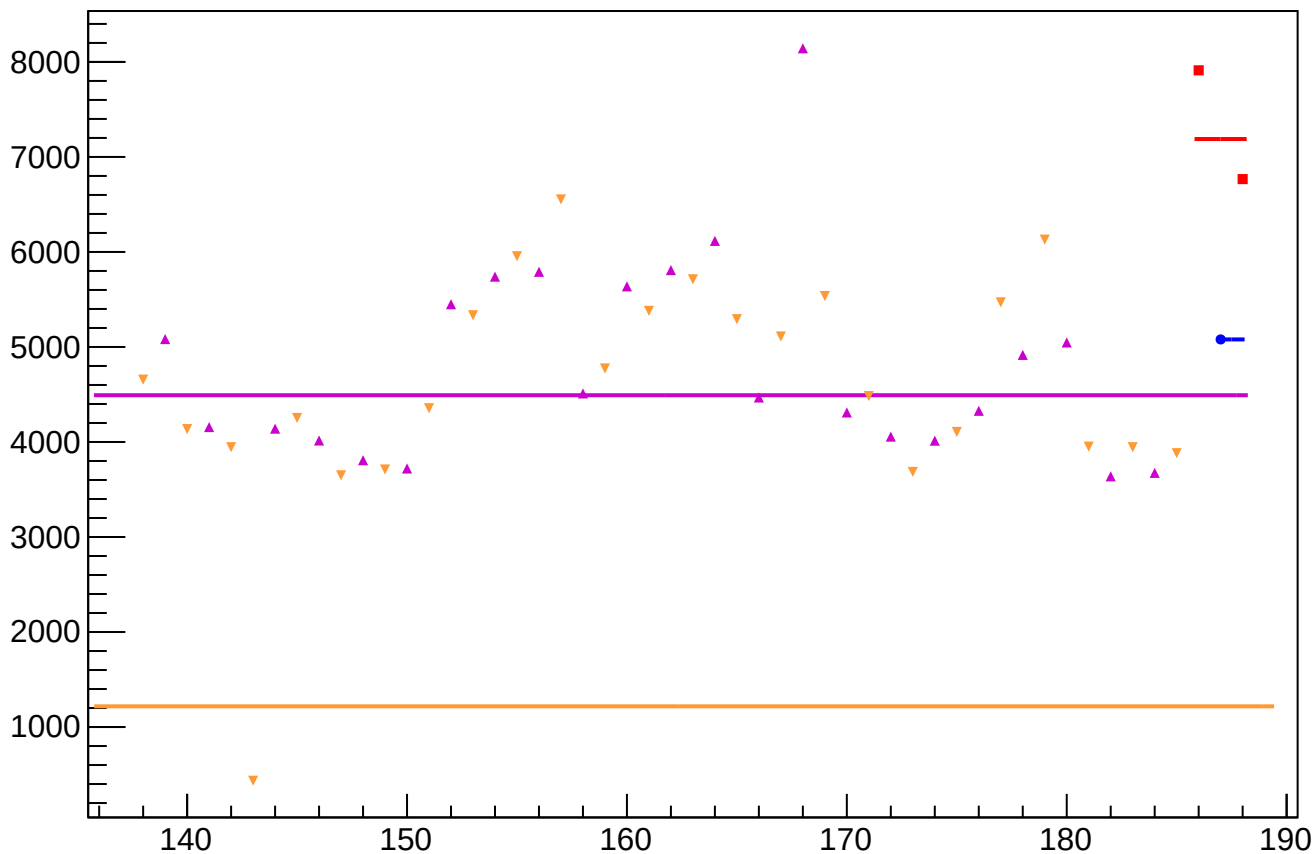
Right: 13450.483+/-6704.000 χ^2/NDF : 3.7/2

In: -135.014+/-1086.985 χ^2/NDF :13.2/23

Out: 514.818+/-478.978 χ^2/NDF :42.4/26

All: 409.156+/-438.311 χ^2/NDF : 56.0/50

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 5079.359+/-9.243 χ^2/NDF : 0.0/0

Left Out: 1217.897+/-0.339 χ^2/NDF : 23423127.2/24

Right Out: 7188.712+/-5.522 χ^2/NDF : 10000.8/1

Left In: 4492.222+/-0.771 χ^2/NDF : 1152018.3/22

Left: 1748.887+/-0.311 χ^2/NDF : 39674890.5/47

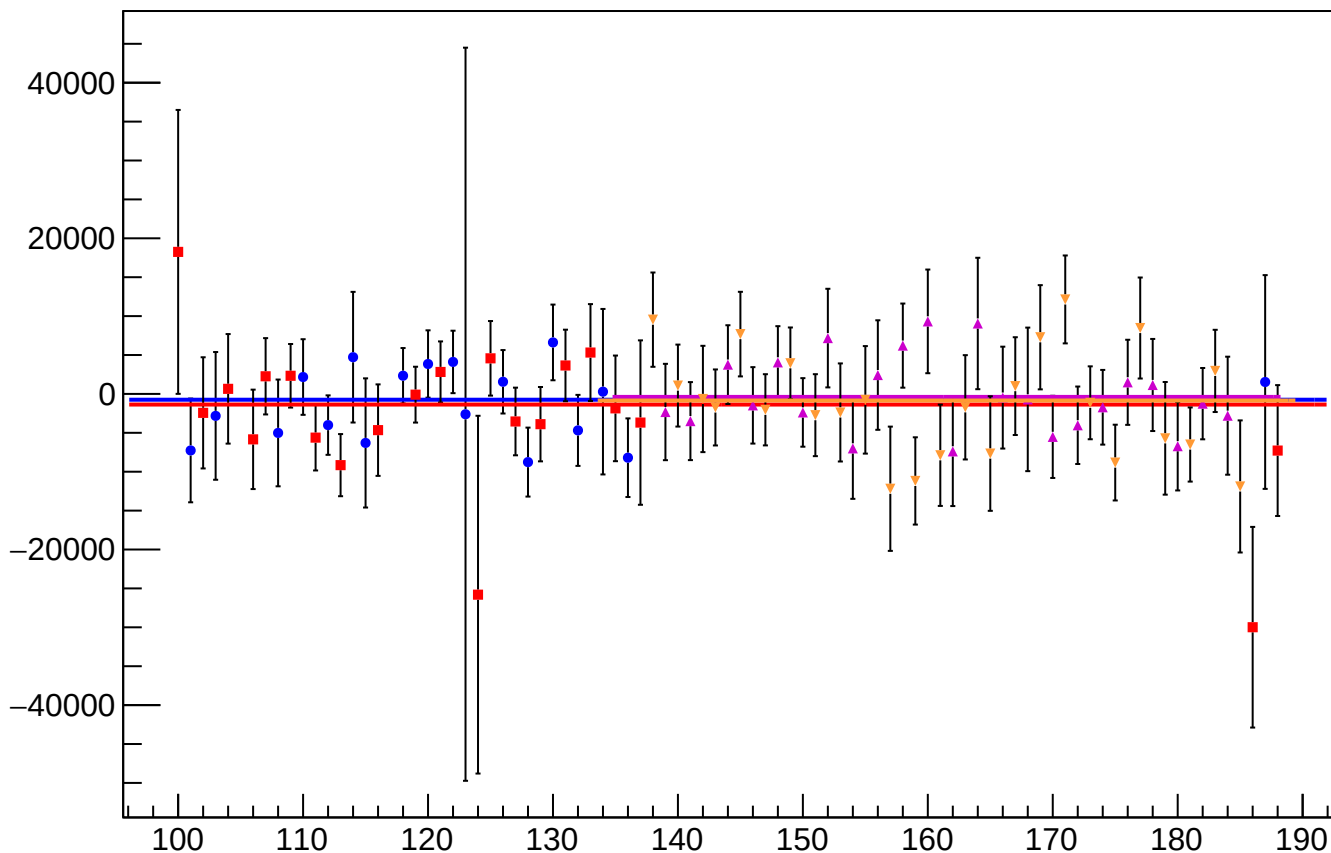
Right: 6633.860+/-4.740 χ^2/NDF : 48383.0/2

In: 4496.282+/-0.769 χ^2/NDF : 1156025.6/23

Out: 1240.358+/-0.339 χ^2/NDF : 24597881.6/26

All: 1769.769+/-0.310 χ^2/NDF : 40780640.6/5

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: -1367.552+/-1174.450 χ^2/NDF : 20.5/20

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

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

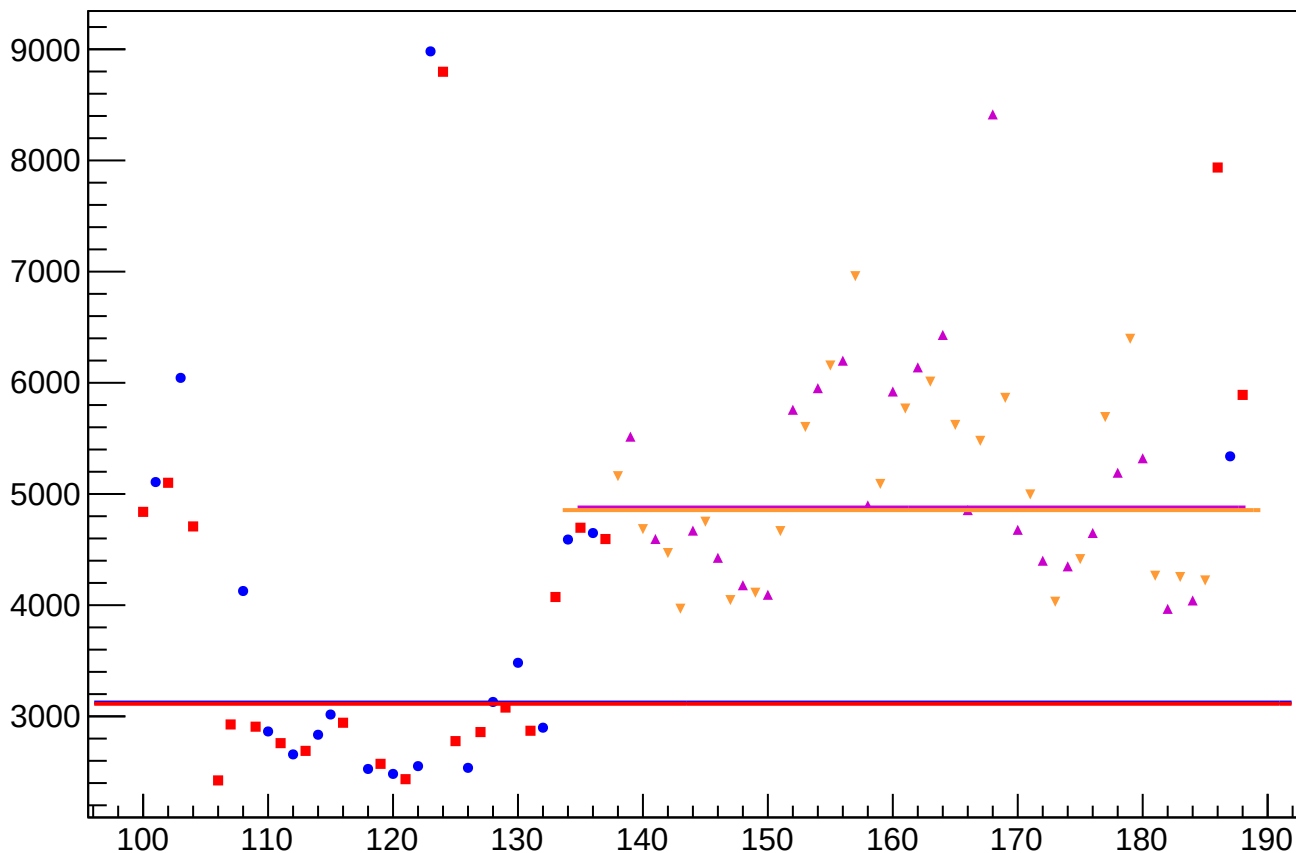
Right: -1074.435+/-853.534 χ^2/NDF : 36.2/38

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

Out: -1101.605+/-822.656 χ^2/NDF :50.7/45

All: -839.994+/-593.214 χ^2/NDF : 80.4/86

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: 3113.232+/-0.820 χ^2/NDF : 1305059.4/20

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

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

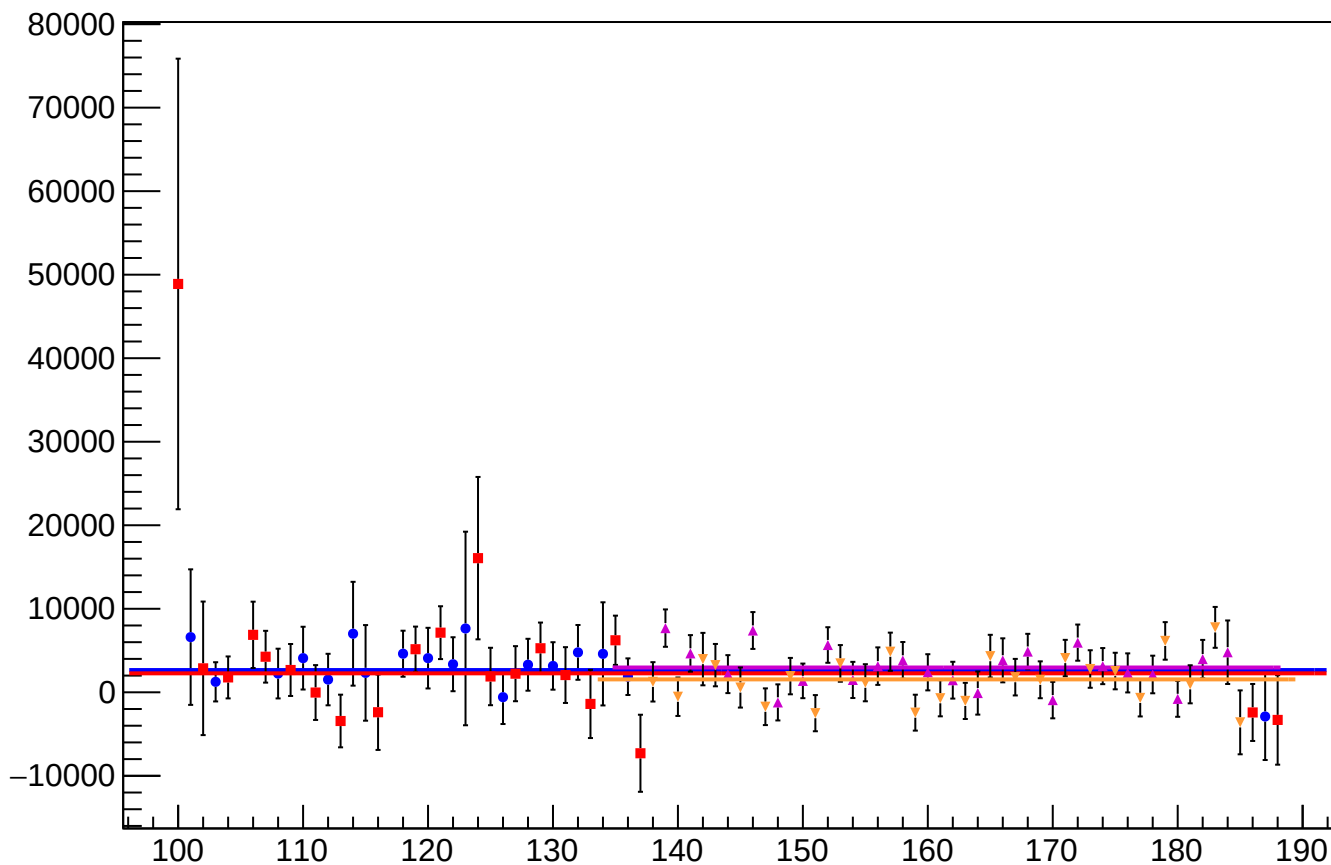
Right: 3118.303+/-0.600 χ^2/NDF : 2317376.3/38

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

Out: 3989.764+/-0.578 χ^2/NDF :4468855.2/45

All: 4016.301+/-0.418 χ^2/NDF : 8544037.3/86

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2663.986 $\pm$ 805.498 χ^2 /NDF: 5.2/17

Left Out: 1545.863 $\pm$ 461.862 χ^2 /NDF:33.2/24

Right Out: 2270.448 $\pm$ 778.424 χ^2 /NDF: 26.0/20

Left In: 2968.538 $\pm$ 470.273 χ^2 /NDF:27.4/22

Left: 2244.364 $\pm$ 329.519 χ^2 /NDF: 65.3/47

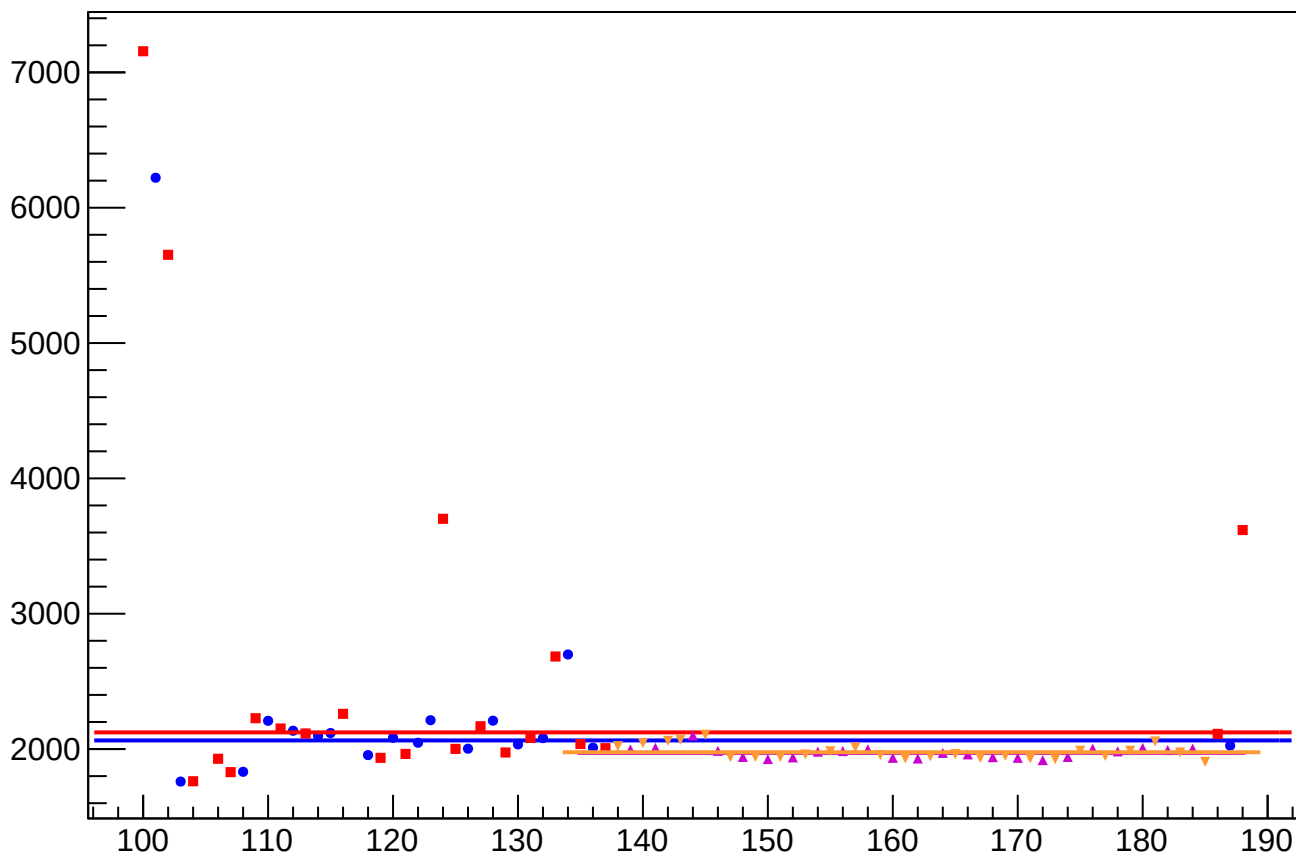
Right: 2460.492 $\pm$ 559.755 χ^2 /NDF: 31.3/38

In: 2891.118 $\pm$ 406.124 χ^2 /NDF:32.7/40

Out: 1734.529 $\pm$ 397.208 χ^2 /NDF:59.9/45

All: 2299.987 $\pm$ 283.968 χ^2 /NDF: 96.7/86

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 2063.760+/-0.570 χ^2/NDF : 606519.0/17

Left Out: 1976.522+/-0.327 χ^2/NDF : 22476.7/24

Right Out: 2123.166+/-0.550 χ^2/NDF : 799653.5/20

Left In: 1971.509+/-0.333 χ^2/NDF : 14769.7/22

Left: 1974.060+/-0.233 χ^2/NDF : 37362.1/47

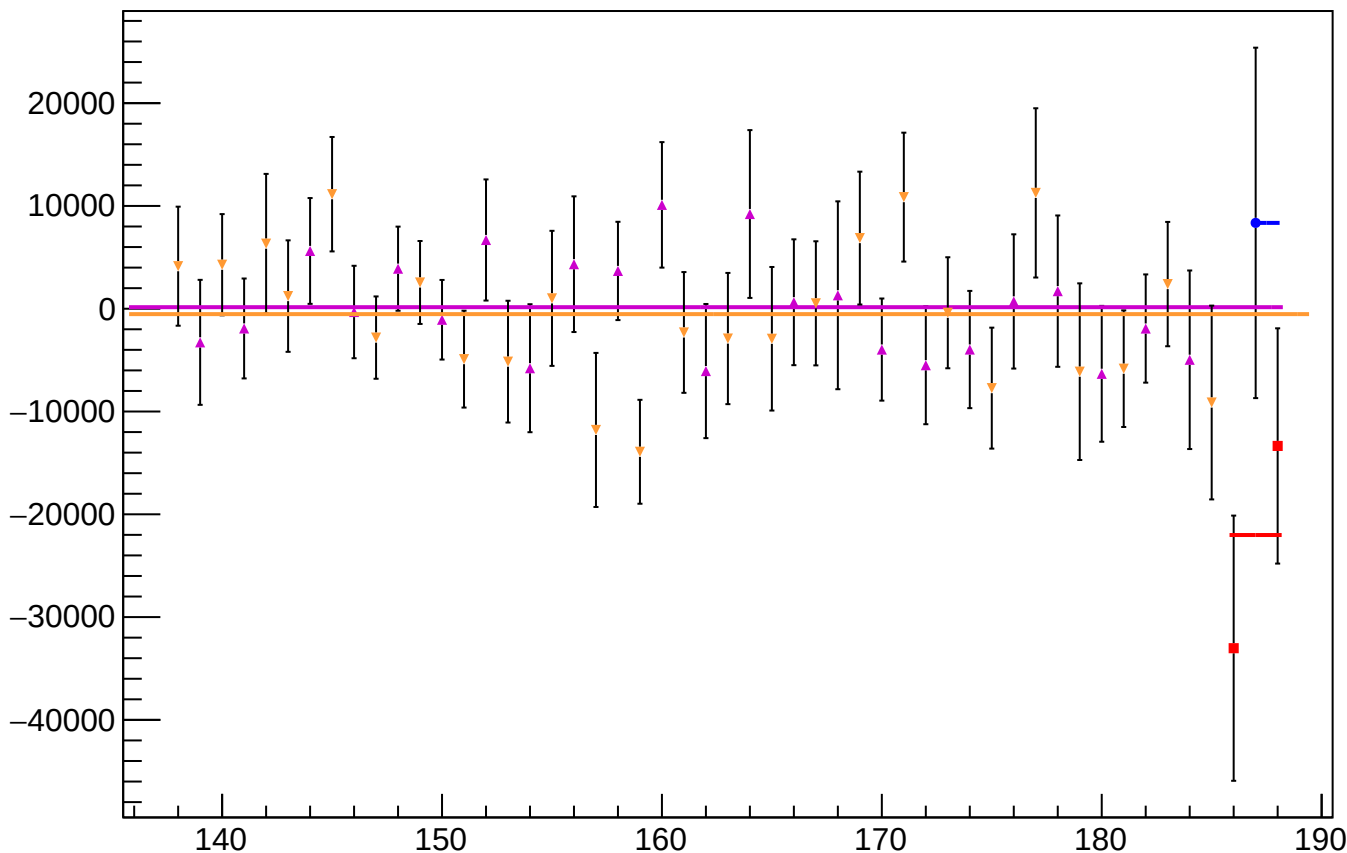
Right: 2094.488+/-0.396 χ^2/NDF : 1411799.5/38

In: 1994.960+/-0.287 χ^2/NDF : 640853.0/40

Out: 2014.724+/-0.281 χ^2/NDF : 874654.3/45

All: 2005.062+/-0.201 χ^2/NDF : 1517928.3/86

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: 8350.972 $\pm$ 17046.817 χ^2 /NDF: 0.0/0

Left Out: -525.082 $\pm$ 1155.846 χ^2 /NDF:29.7/24

Right Out: -22015.235 $\pm$ 8561.152 χ^2 /NDF: 1.3/1

Left In: 150.621 $\pm$ 1175.216 χ^2 /NDF:14.2/22

Left: -192.845 $\pm$ 824.069 χ^2 /NDF: 44.1/47

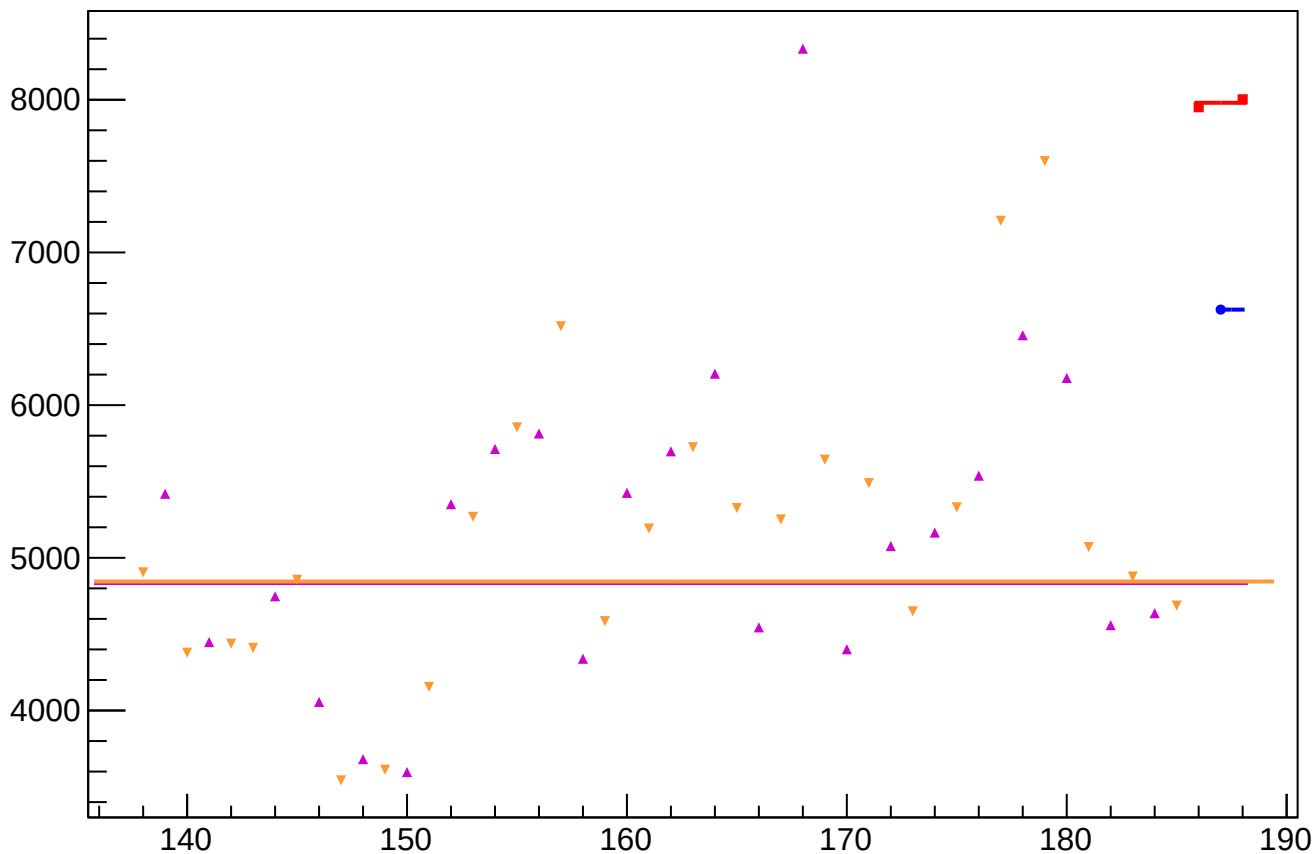
Right: -15898.946 $\pm$ 7650.539 χ^2 /NDF: 3.8/2

In: 189.411 $\pm$ 1172.433 χ^2 /NDF:14.4/23

Out: -909.789 $\pm$ 1145.453 χ^2 /NDF:37.2/26

All: -372.982 $\pm$ 819.330 χ^2 /NDF: 52.1/50

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 6625.648+/-12.054 χ^2/NDF : 0.0/0

Left Out: 4844.841+/-0.817 χ^2/NDF :1146931.0/24

Right Out: 7980.296+/-6.054 χ^2/NDF : 18.1/1

Left In: 4834.872+/-0.831 χ^2/NDF :1218691.8/22

Left: 4839.939+/-0.583 χ^2/NDF : 2365696.0/47

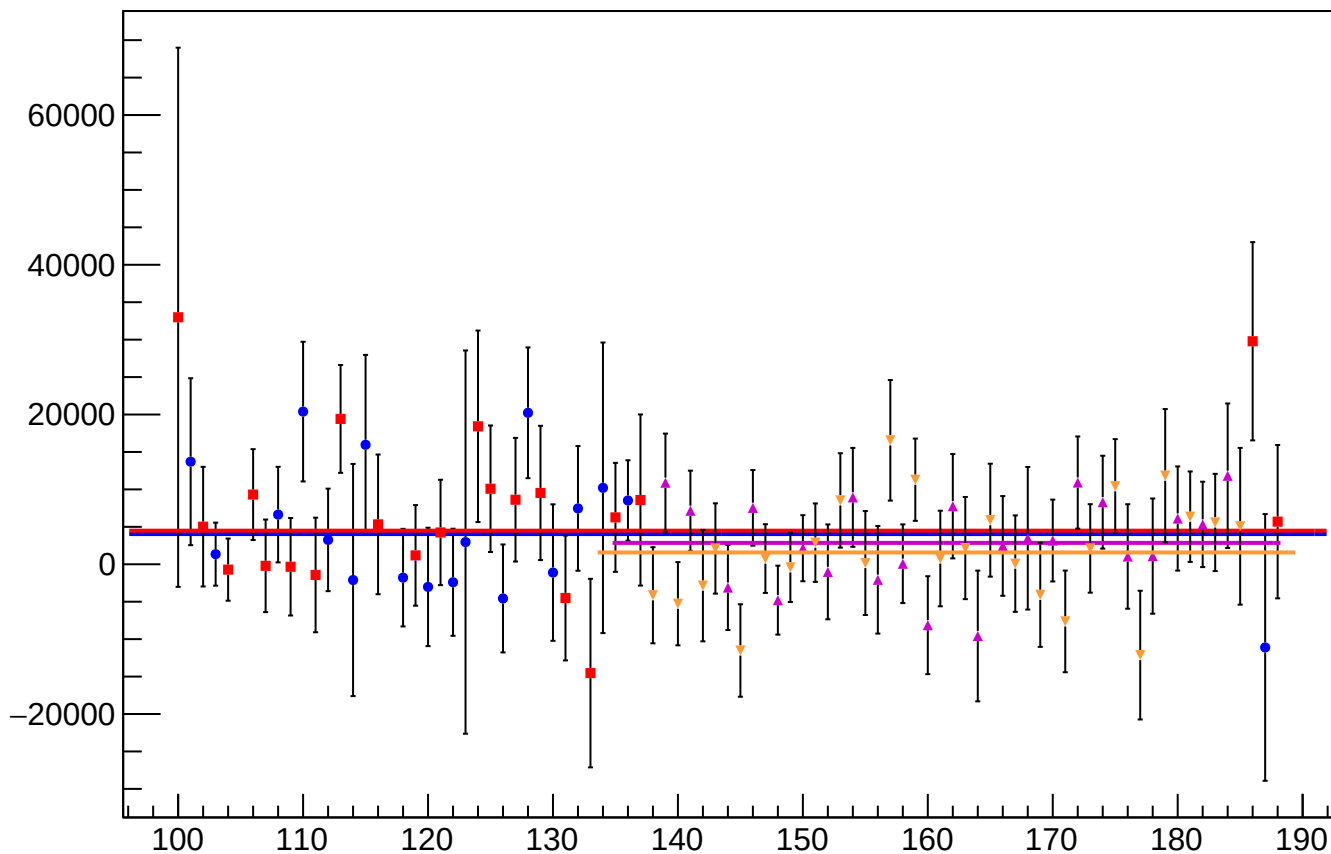
Right: 7707.446+/-5.410 χ^2/NDF : 10104.1/2

In: 4843.342+/-0.829 χ^2/NDF :1240658.6/23

Out: 4900.971+/-0.810 χ^2/NDF :1410413.3/26

All: 4872.827+/-0.579 χ^2/NDF : 2653544.2/50

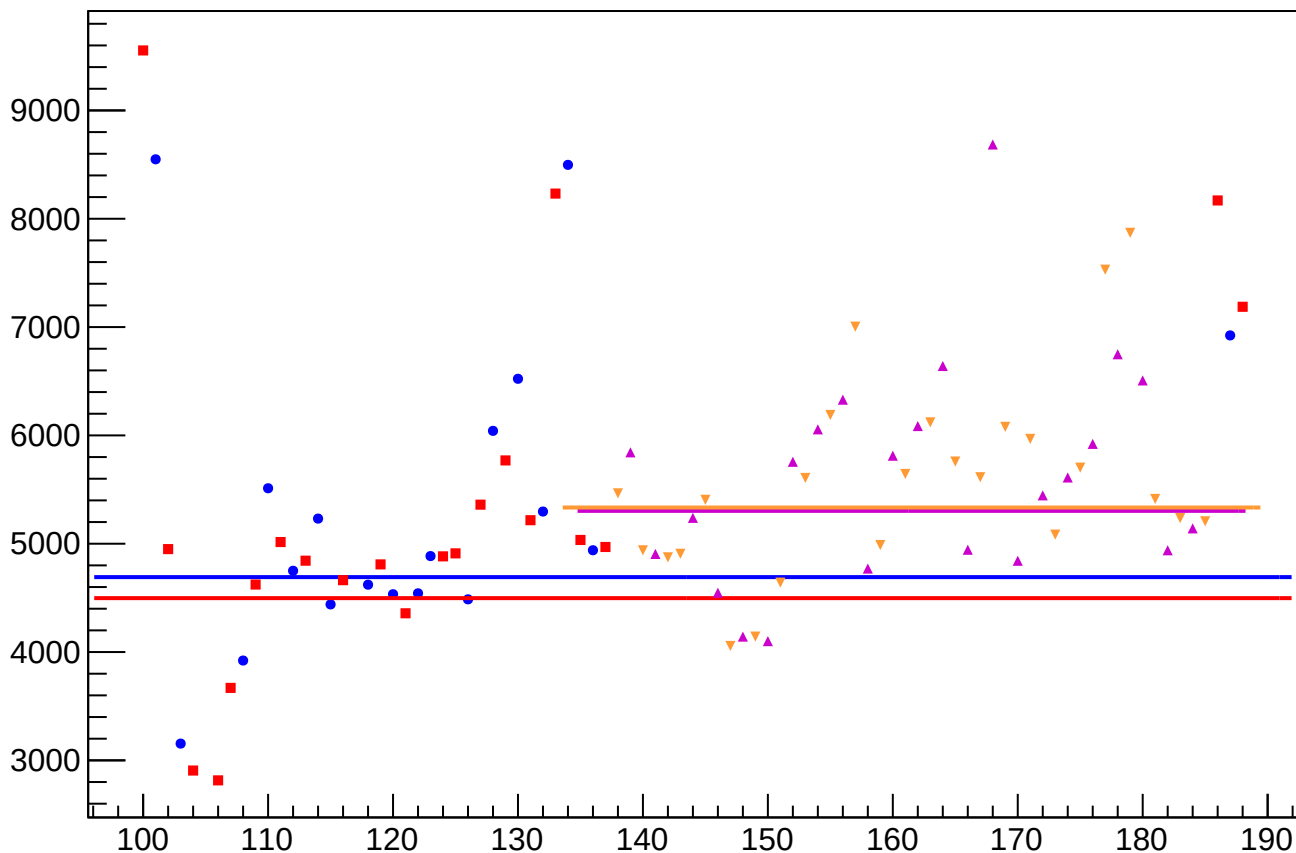
asym_atr_avg_mean vs Slug, Sign Corrected



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: 4487.485+/-1687.344 χ^2/NDF : 18.6/20
 Left In: 2856.480+/-1284.131 χ^2/NDF : 18.1/22

Left: 2209.475+/-901.574 χ^2/NDF : 43.8/47
 Right: 4281.285+/-1245.997 χ^2/NDF : 33.5/38
 In: 3239.974+/-1054.492 χ^2/NDF : 33.2/40
 Out: 2627.648+/-1012.708 χ^2/NDF : 45.7/45
 All: 2921.440+/-730.418 χ^2/NDF : 79.0/86

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: 4497.660 $\pm$ 1.187 χ^2/NDF : 1137294.0/20

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

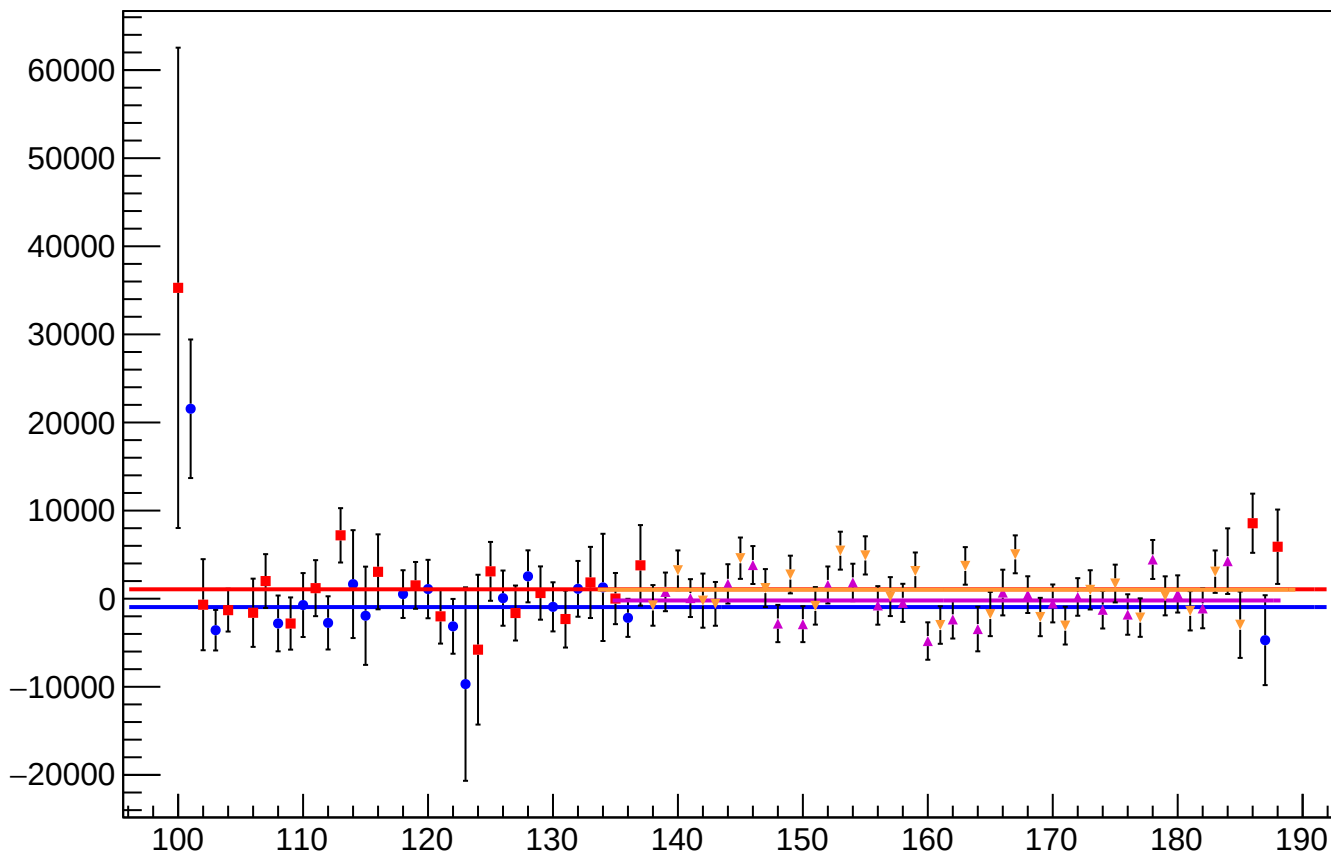
Right: 4585.381 $\pm$ 0.878 χ^2/NDF : 1958976.4/38

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

Out: 5030.739 $\pm$ 0.715 χ^2/NDF :2319464.8/45

All: 5065.886 $\pm$ 0.516 χ^2/NDF : 4242200.5/86

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -952.342 ± 787.457 χ^2/NDF : 15.1/17

Left Out: 1020.295 ± 453.278 χ^2/NDF : 35.2/24

Right Out: 1066.053 ± 748.571 χ^2/NDF : 19.8/20

Left In: -201.463 ± 461.744 χ^2/NDF : 23.9/22

Left: 420.720 ± 323.468 χ^2/NDF : 62.7/47

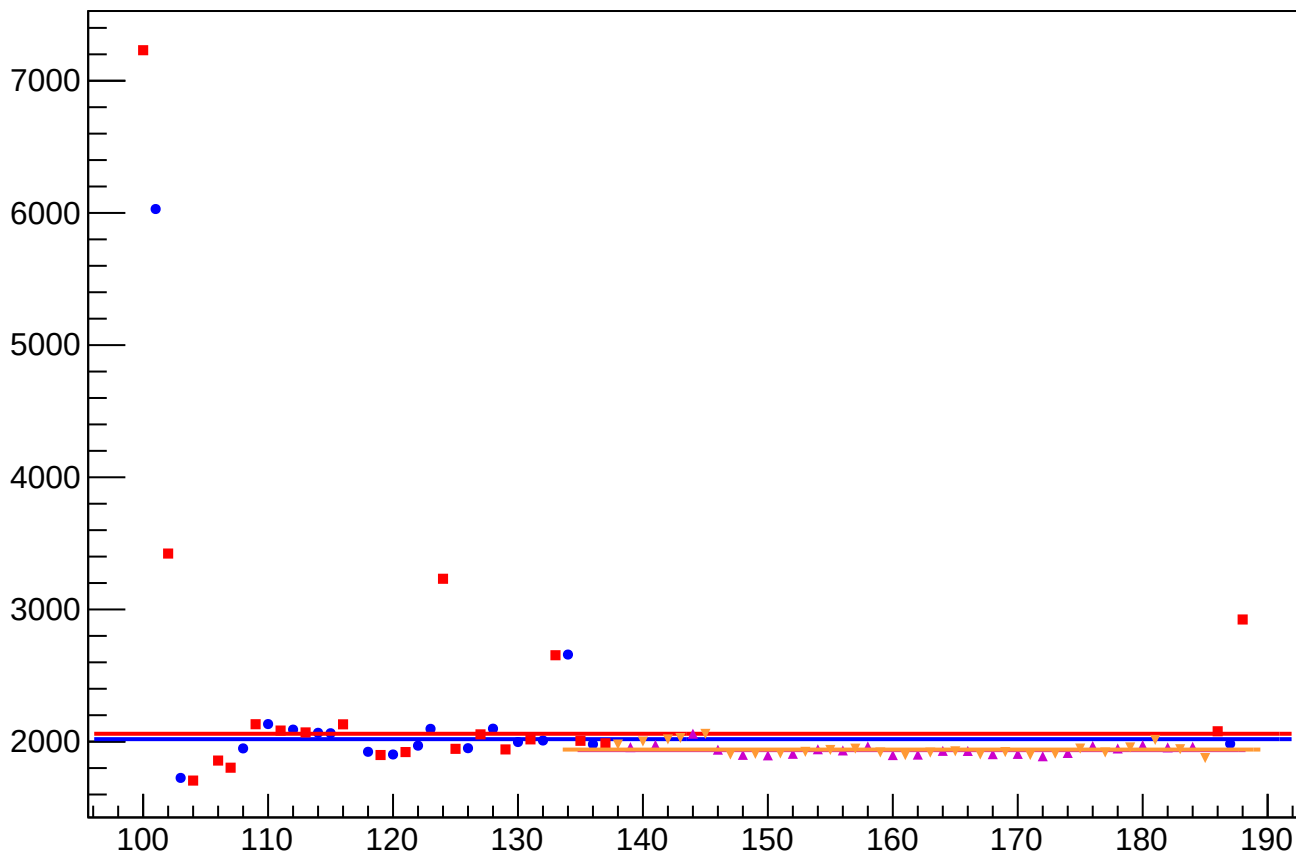
Right: 107.920 ± 542.546 χ^2/NDF : 38.4/38

In: -393.584 ± 398.317 χ^2/NDF : 39.7/40

Out: 1032.571 ± 387.734 χ^2/NDF : 55.0/45

All: 338.690 ± 277.836 χ^2/NDF : 101.3/86

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 2018.765 $\pm$ 0.557 χ^2 /NDF: 587940.6/17

Left Out: 1939.945 $\pm$ 0.321 χ^2 /NDF: 18718.5/24

Right Out: 2059.518 $\pm$ 0.529 χ^2 /NDF: 458994.9/20

Left In: 1935.823 $\pm$ 0.327 χ^2 /NDF: 13548.9/22

Left: 1937.922 $\pm$ 0.229 χ^2 /NDF: 32348.6/47

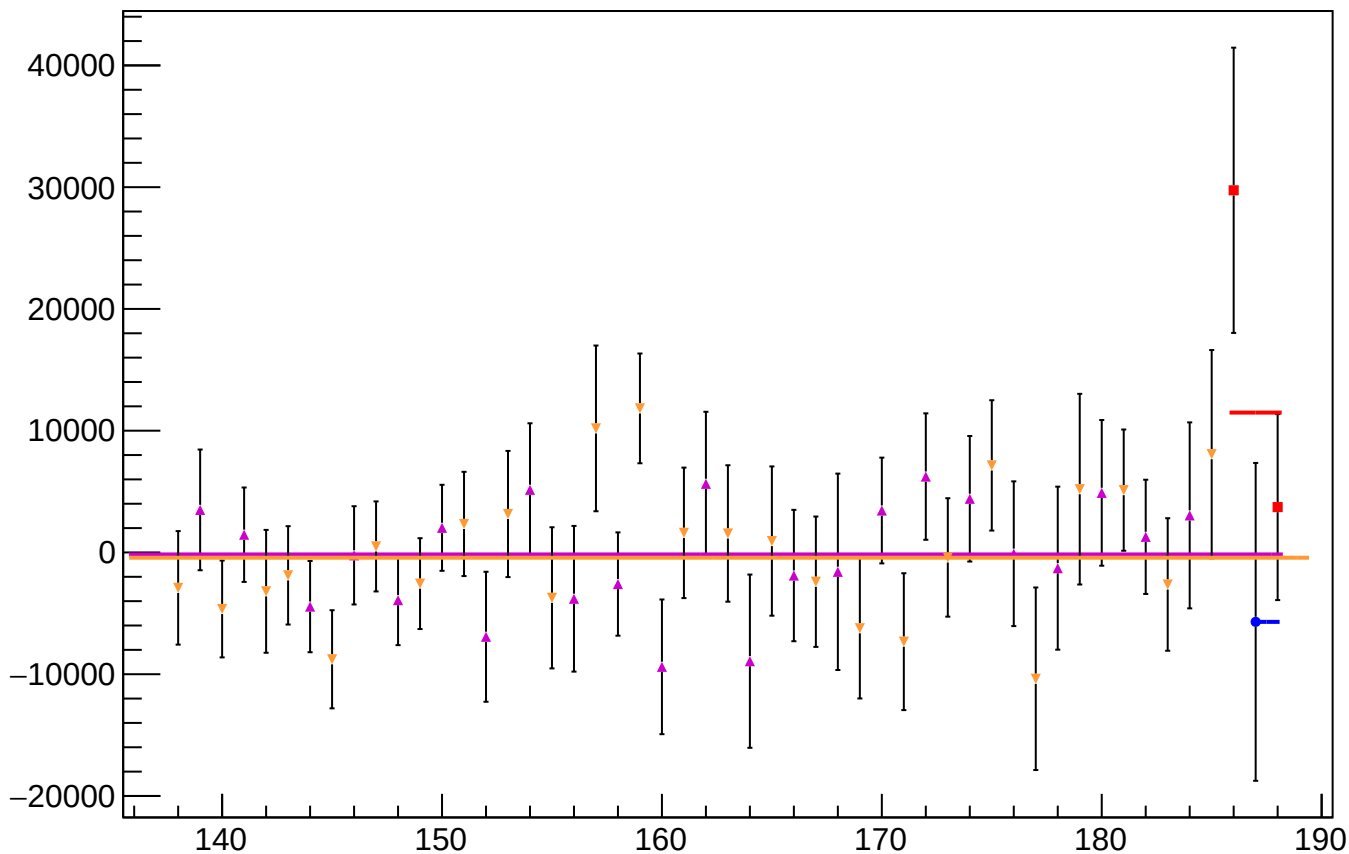
Right: 2040.197 $\pm$ 0.383 χ^2 /NDF: 1049752.5/38

In: 1957.045 $\pm$ 0.282 χ^2 /NDF: 618000.8/40

Out: 1972.081 $\pm$ 0.274 χ^2 /NDF: 515117.6/45

All: 1964.768 $\pm$ 0.196 χ^2 /NDF: 1134582.3/86

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: -5701.122+/-13052.905 χ^2/NDF : 0.0/0

Left Out: -432.080+/-1001.105 χ^2/NDF : 27.2/24

Right Out: 11487.228+/-6397.877 χ^2/NDF : 3.5/1

Left In: -163.422+/-1028.720 χ^2/NDF : 16.1/22

Left: -301.405+/-717.452 χ^2/NDF : 43.3/47

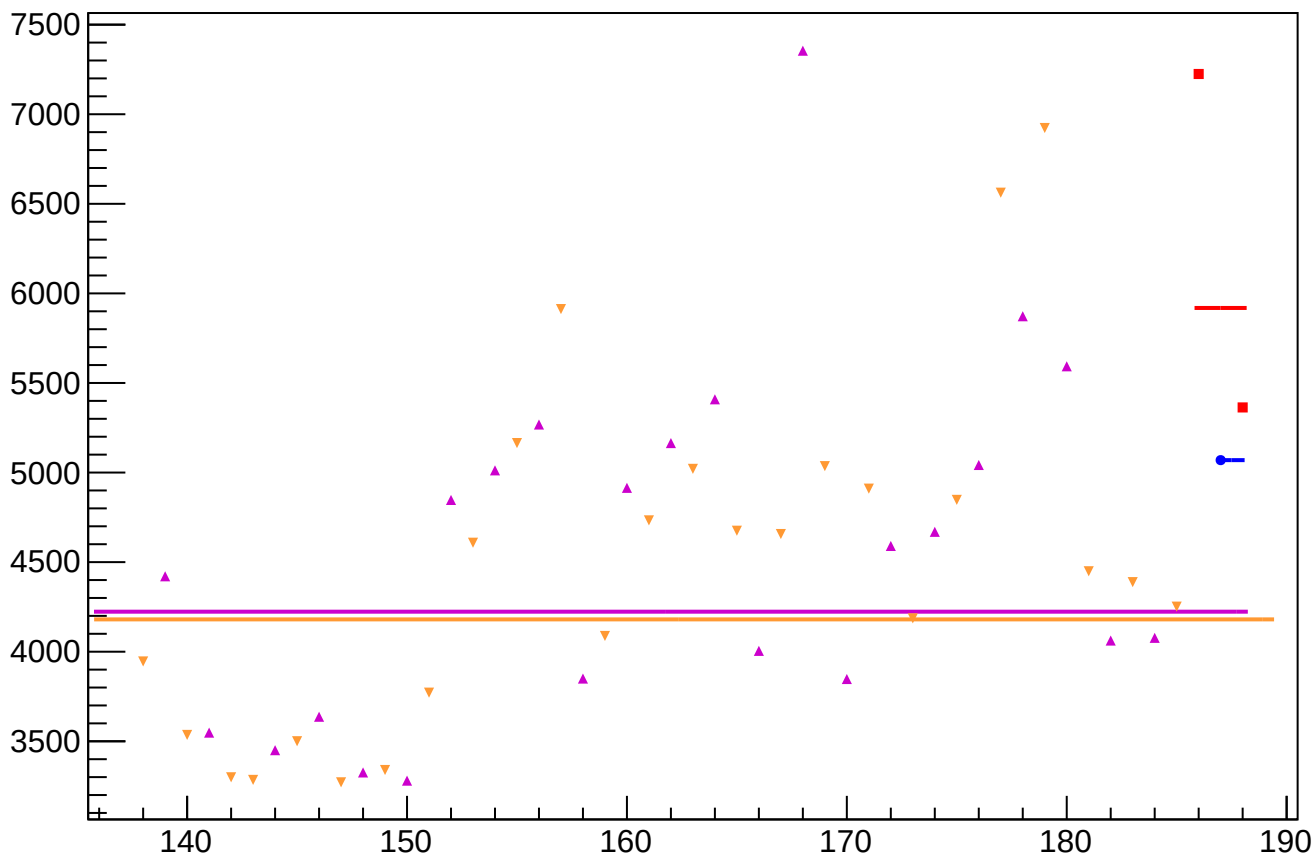
Right: 8157.693+/-5744.892 χ^2/NDF : 4.9/2

In: -197.606+/-1025.540 χ^2/NDF : 16.3/23

Out: -147.219+/-989.069 χ^2/NDF : 34.1/26

All: -171.501+/-711.922 χ^2/NDF : 50.3/50

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 5069.292+/-9.230 χ^2/NDF : 0.0/0

Left Out: 4180.398+/-0.708 χ^2/NDF :1376701.5/24

Right Out: 5918.716+/-4.524 χ^2/NDF : 35431.2/1

Left In: 4223.398+/-0.727 χ^2/NDF :1346399.1/22

Left: 4201.313+/-0.507 χ^2/NDF : 2724895.4/47

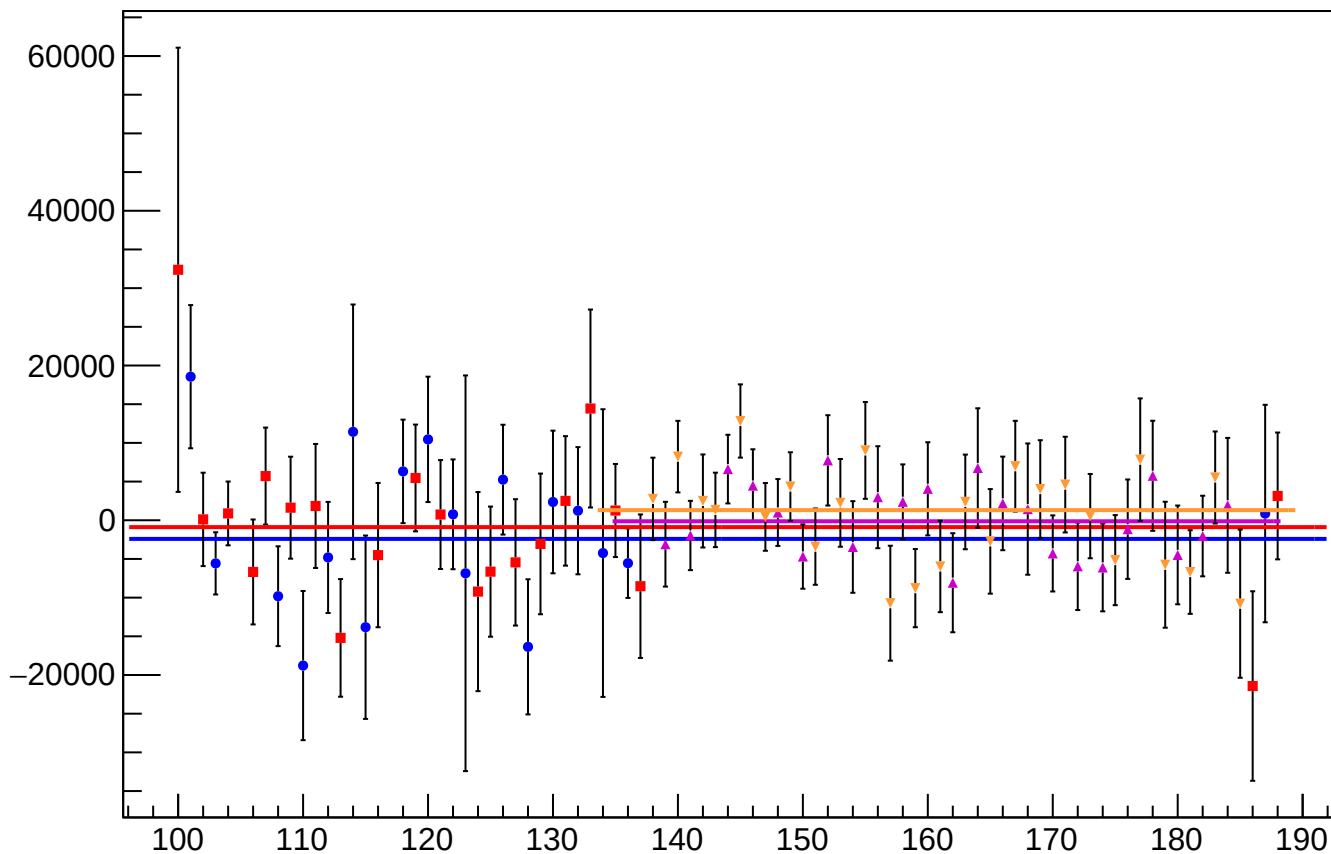
Right: 5754.175+/-4.062 χ^2/NDF : 42260.2/2

In: 4228.620+/-0.725 χ^2/NDF :1354746.6/23

Out: 4221.942+/-0.699 χ^2/NDF :1556248.6/26

All: 4225.160+/-0.503 χ^2/NDF : 2911039.1/50

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: -885.916 $\pm$ 1640.092 χ^2 /NDF: 15.0/20

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

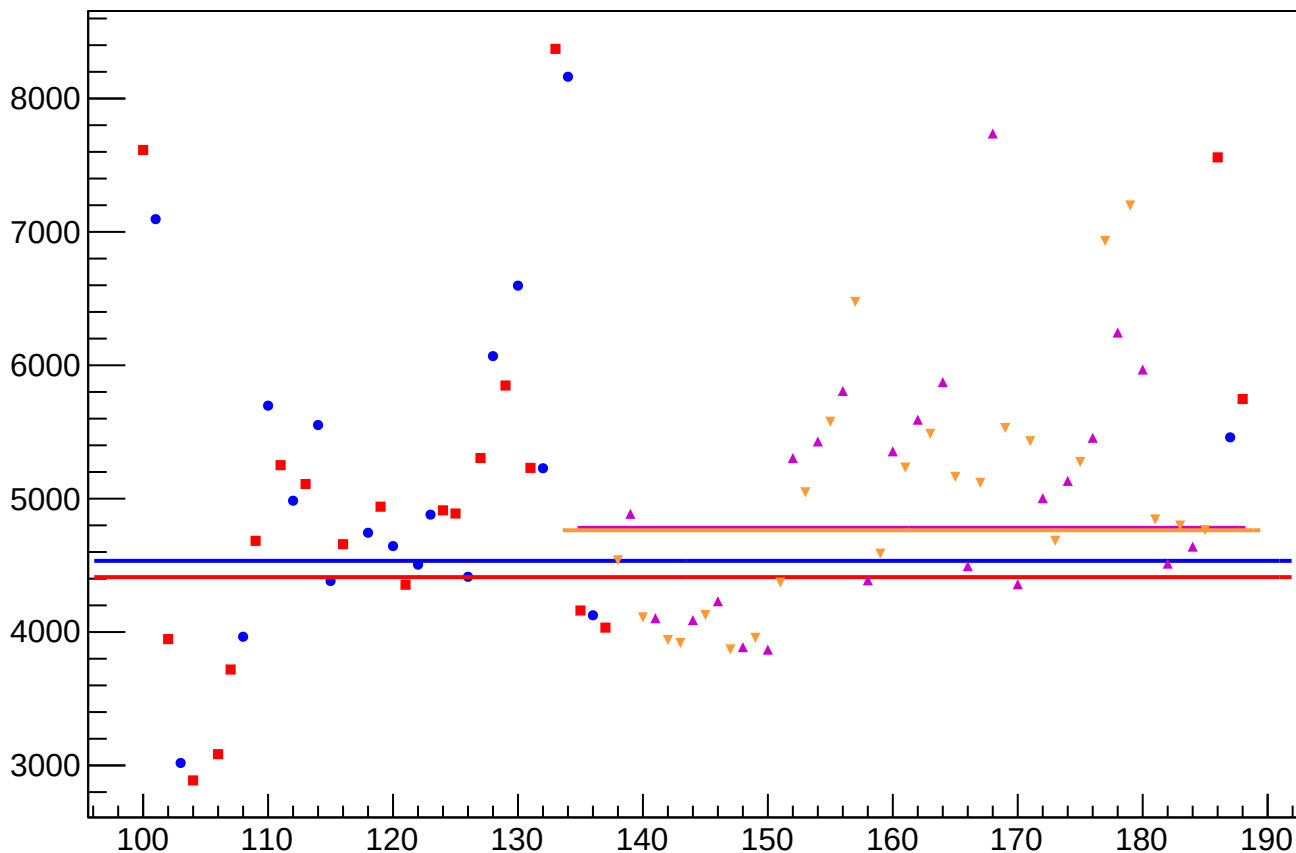
Right: -1583.927 $\pm$ 1207.015 χ^2 /NDF: 36.2/38

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

Out: 599.606 $\pm$ 931.424 χ^2 /NDF: 44.3/45

All: -74.453 $\pm$ 672.070 χ^2 /NDF: 82.3/86

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4533.828 ± 1.261 $\chi^2/\text{NDF}: 779050.6/17$

Left Out: 4763.190 ± 0.800 $\chi^2/\text{NDF}: 941856.9/24$

Right Out: 4411.758 ± 1.154 $\chi^2/\text{NDF}: 966255.8/20$

Left In: 4781.172 ± 0.818 $\chi^2/\text{NDF}: 951542.2/22$

Left: 4771.979 ± 0.572 $\chi^2/\text{NDF}: 1893645.9/47$

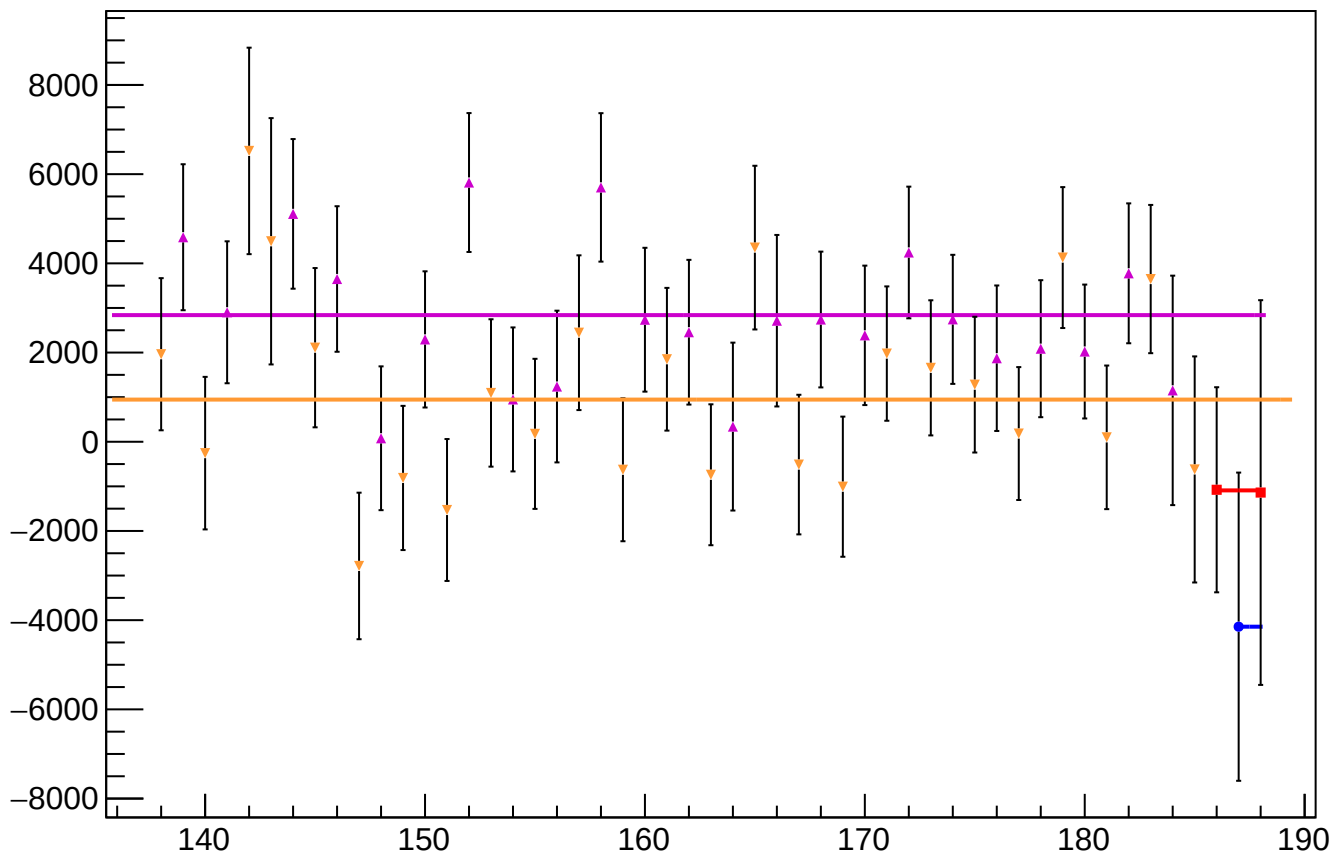
Right: 4467.396 ± 0.851 $\chi^2/\text{NDF}: 1750409.3/38$

In: 4707.843 ± 0.686 $\chi^2/\text{NDF}: 1757677.7/40$

Out: 4649.040 ± 0.658 $\chi^2/\text{NDF}: 1970766.5/45$

All: 4677.178 ± 0.475 $\chi^2/\text{NDF}: 3732271.7/86$

dit_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: -4146.451 $\pm$ 3455.262 χ^2 /NDF: 0.0/0

Left Out: 945.522 $\pm$ 335.741 χ^2 /NDF:35.1/24

Right Out: -1090.443 $\pm$ 2028.918 χ^2 /NDF: 0.0/1

Left In: 2839.506 $\pm$ 338.801 χ^2 /NDF:19.6/22

Left: 1883.923 $\pm$ 238.480 χ^2 /NDF: 70.5/47

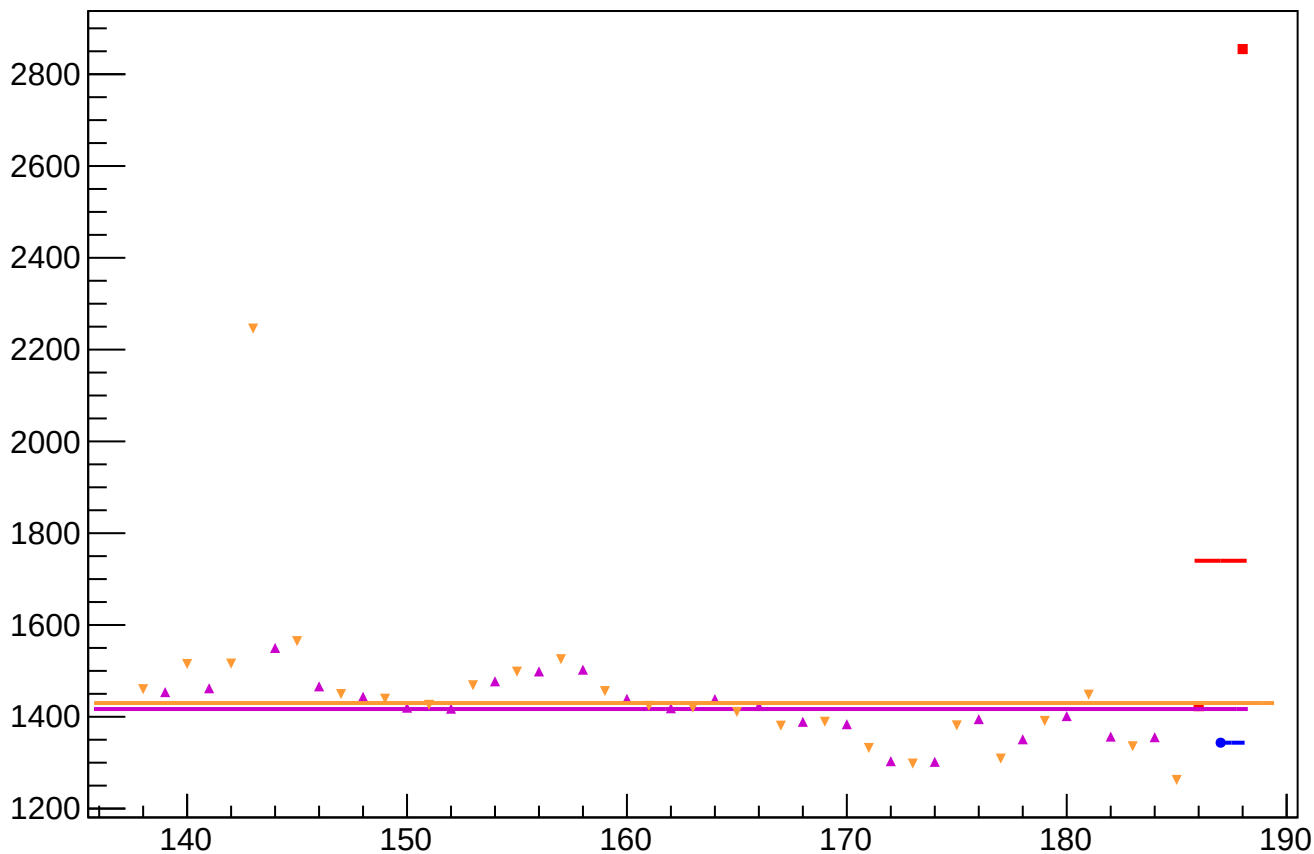
Right: -1873.988 $\pm$ 1749.587 χ^2 /NDF: 0.6/2

In: 2772.979 $\pm$ 337.184 χ^2 /NDF:23.7/23

Out: 891.257 $\pm$ 331.237 χ^2 /NDF:36.1/26

All: 1815.376 $\pm$ 236.295 χ^2 /NDF: 75.6/50

dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1343.524+/-2.443 χ^2/NDF : 0.0/0

Left Out: 1429.945+/-0.237 χ^2/NDF : 264824.6/24

Right Out: 1739.957+/-1.435 χ^2/NDF : 171608.5/1

Left In: 1416.873+/-0.240 χ^2/NDF : 65421.7/22

Left: 1423.468+/-0.169 χ^2/NDF : 331748.6/47

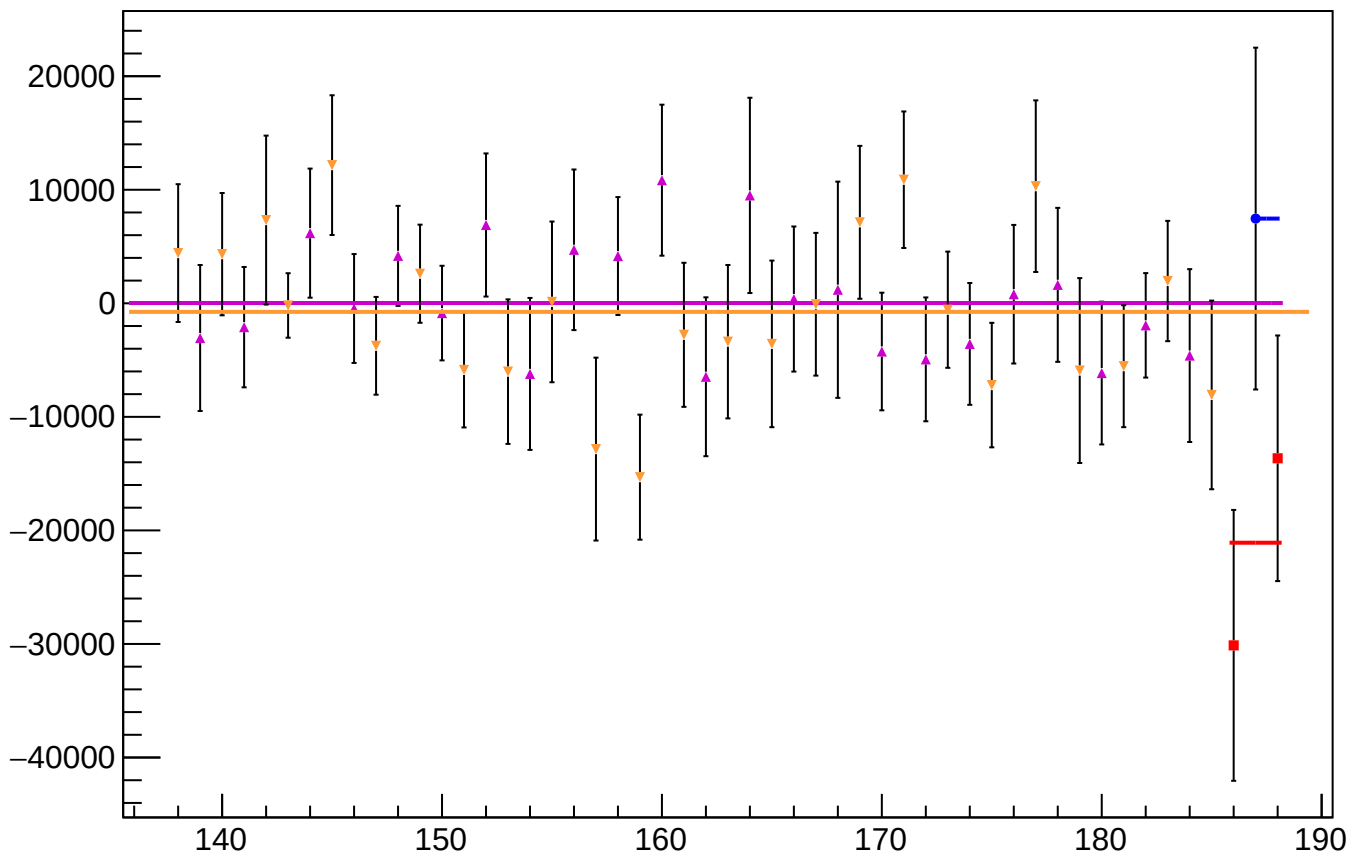
Right: 1638.314+/-1.237 χ^2/NDF : 191185.7/2

In: 1416.174+/-0.238 χ^2/NDF : 66314.4/23

Out: 1438.208+/-0.234 χ^2/NDF : 481882.3/26

All: 1427.387+/-0.167 χ^2/NDF : 552542.7/50

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



Right In: 7461.232 $\pm$ 15051.731 χ^2 /NDF: 0.0/0

Left Out: -754.058 $\pm$ 1118.796 χ^2 /NDF:30.6/24

Right Out: -21083.177 $\pm$ 8011.848 χ^2 /NDF: 1.0/1

Left In: 25.920 $\pm$ 1208.952 χ^2 /NDF:13.9/22

Left: -394.233 $\pm$ 821.133 χ^2 /NDF: 44.7/47

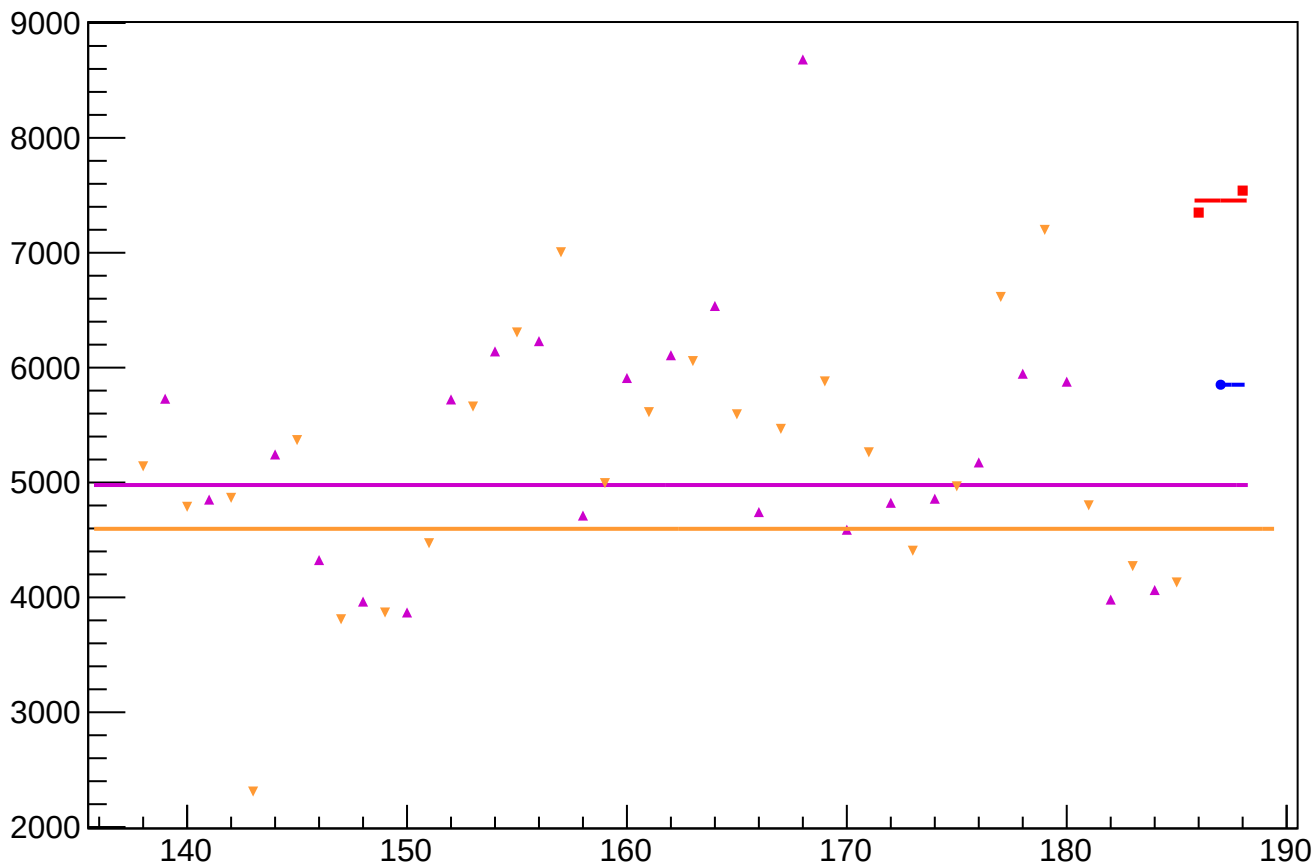
Right: -14781.223 $\pm$ 7072.346 χ^2 /NDF: 3.8/2

In: 73.579 $\pm$ 1205.072 χ^2 /NDF:14.2/23

Out: -1142.896 $\pm$ 1108.045 χ^2 /NDF:38.0/26

All: -585.595 $\pm$ 815.654 χ^2 /NDF: 52.7/50

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



Right In: 5851.204+/-10.643 χ^2/NDF : 0.0/0

Left Out: 4596.997+/-0.791 χ^2/NDF :2529395.4/24

Right Out: 7454.589+/-5.665 χ^2/NDF : 282.8/1

Left In: 4978.135+/-0.855 χ^2/NDF :1157494.7/22

Left: 4772.827+/-0.581 χ^2/NDF : 3793968.3/47

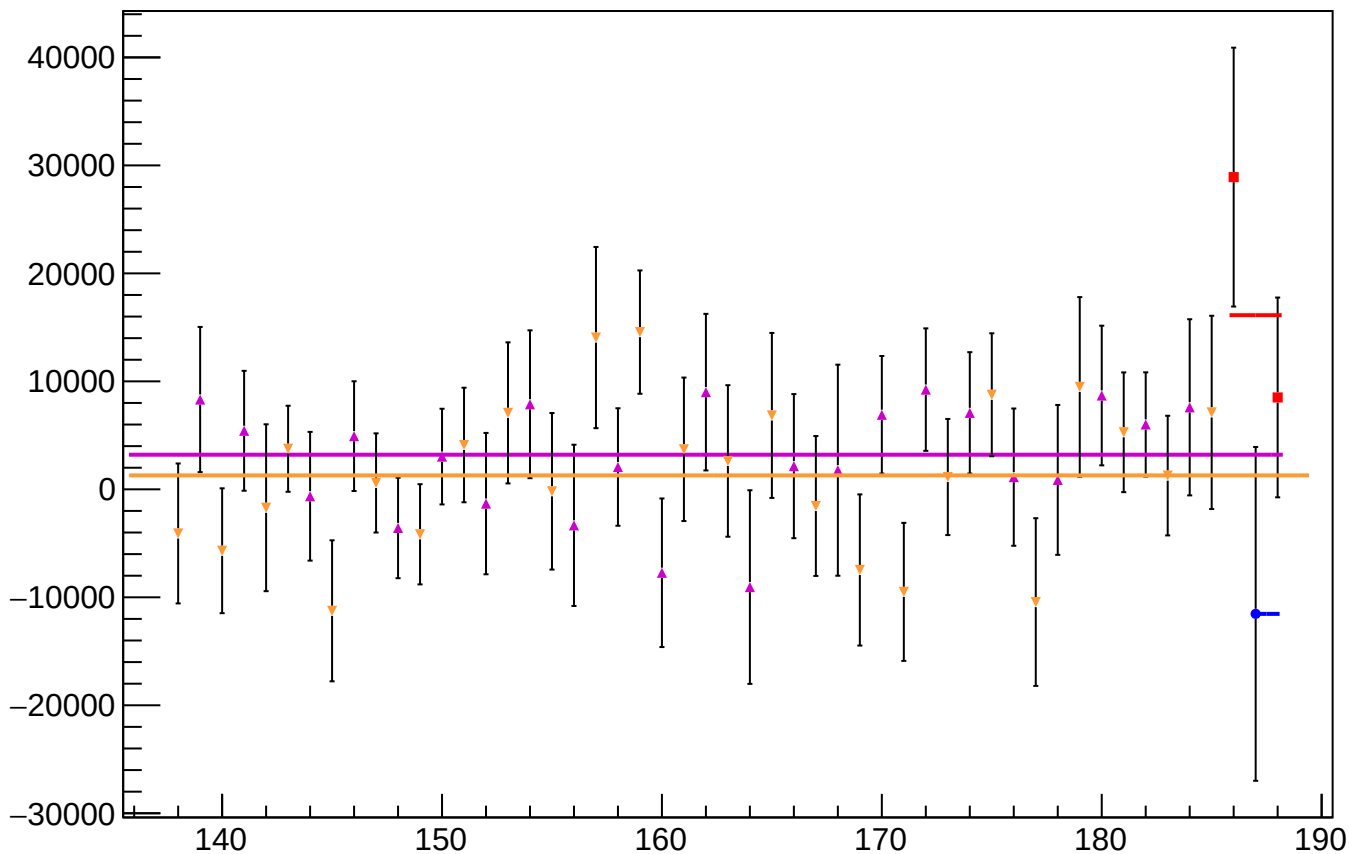
Right: 7100.598+/-5.001 χ^2/NDF : 17967.4/2

In: 4983.732+/-0.852 χ^2/NDF :1164180.7/23

Out: 4651.655+/-0.784 χ^2/NDF :2779239.7/26

All: 4803.788+/-0.577 χ^2/NDF : 4025716.3/50

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: 16126.560+/-7324.115 χ^2/NDF : 1.8/1

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

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

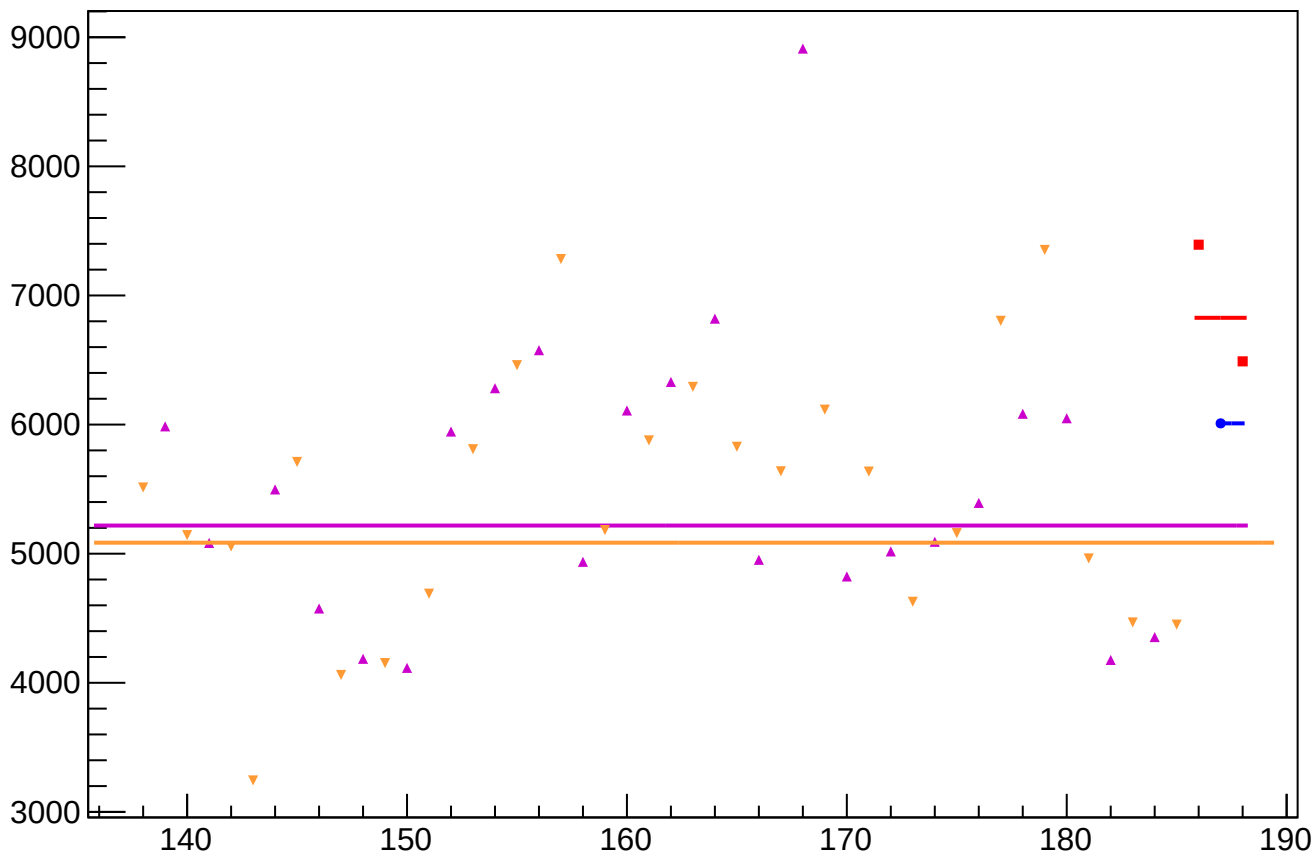
Right: 11055.225+/-6618.774 χ^2/NDF : 4.4/2

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

Out: 1690.031+/-1199.350 χ^2/NDF : 33.6/26

All: 2362.929+/-869.166 χ^2/NDF : 49.0/50

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: 6827.011 ± 5.179 χ^2/NDF : 7119.8/1

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

Left: 5148.976 ± 0.620 χ^2/NDF : 2427123.8/47

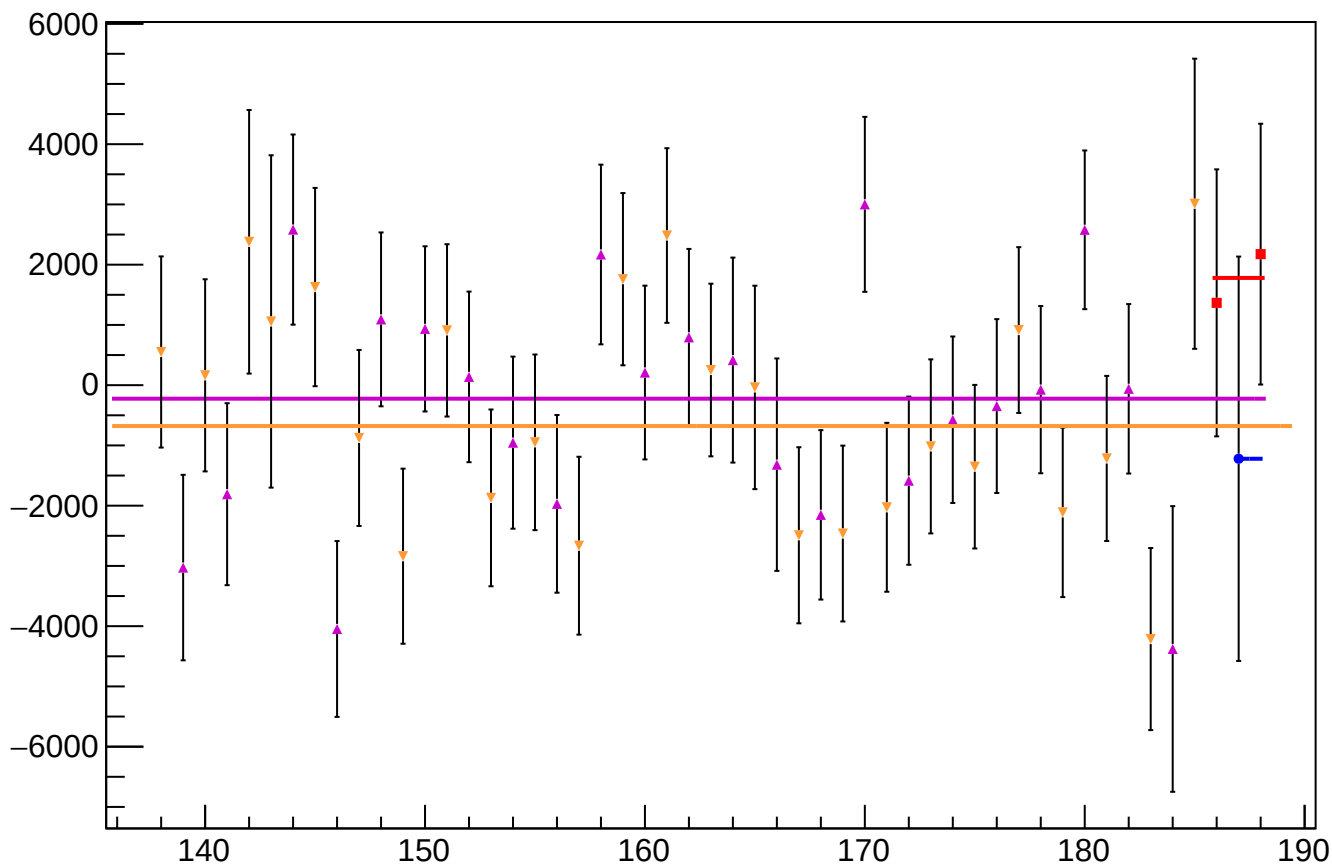
Right: 6677.113 ± 4.680 χ^2/NDF : 11689.3/2

In: 5223.241 ± 0.892 χ^2/NDF : 1064203.5/23

Out: 5132.011 ± 0.848 χ^2/NDF : 1473886.9/26

All: 5175.328 ± 0.615 χ^2/NDF : 2543585.0/50

dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -1221.249+/-3355.524 χ^2/NDF : 0.0/0

Left Out: -678.239+/-304.647 χ^2/NDF : 34.0/24

Right Out: 1780.129+/-1548.240 χ^2/NDF : 0.1/1

Left In: -224.118+/-308.124 χ^2/NDF : 36.9/22

Left: -453.755+/-216.637 χ^2/NDF : 72.0/47

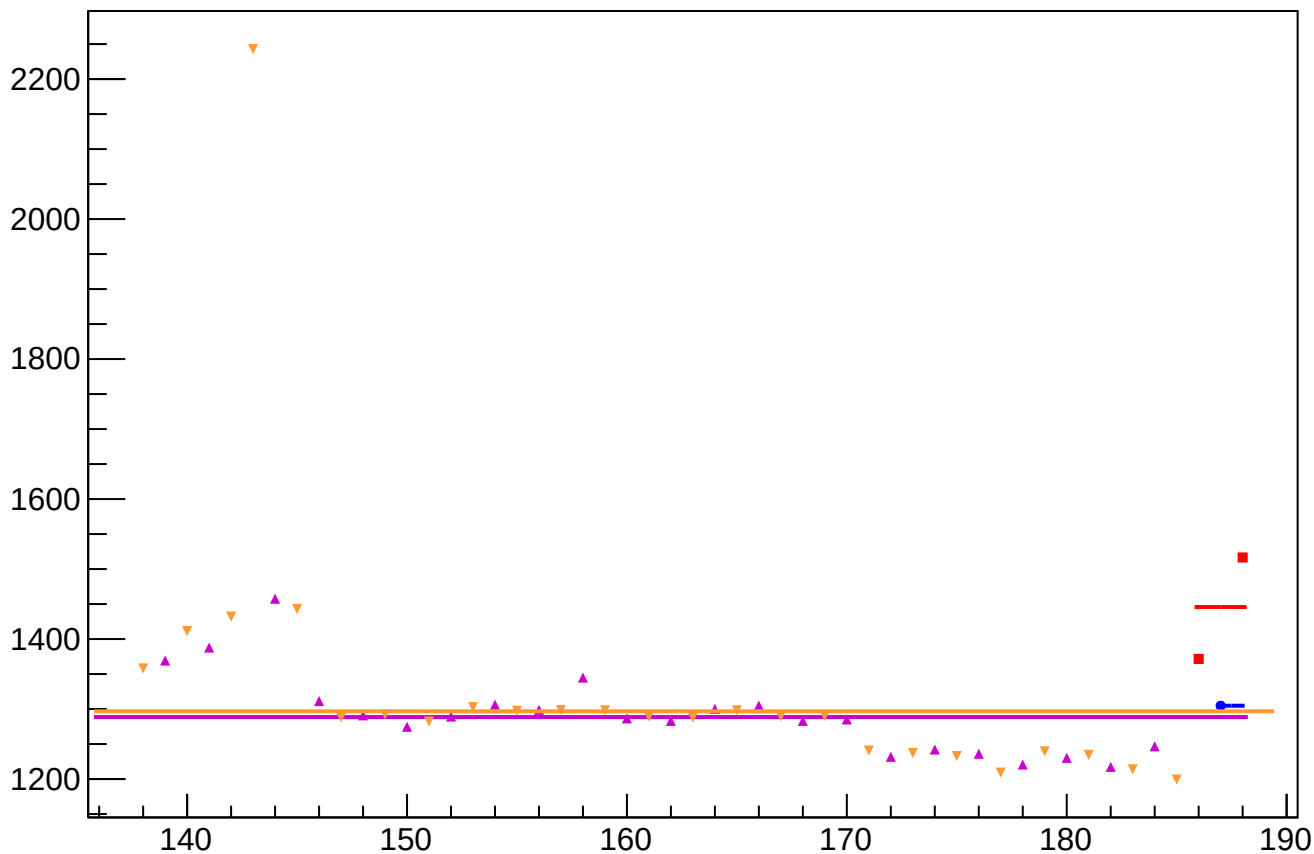
Right: 1253.318+/-1405.813 χ^2/NDF : 0.7/2

In: -232.456+/-306.833 χ^2/NDF : 36.9/23

Out: -586.603+/-298.915 χ^2/NDF : 36.5/26

All: -414.158+/-214.110 χ^2/NDF : 74.1/50

dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1304.763+/-2.373 χ^2/NDF : 0.0/0

Left Out: 1296.780+/-0.215 χ^2/NDF : 308532.9/24

Right Out: 1445.748+/-1.095 χ^2/NDF : 4382.5/1

Left In: 1288.577+/-0.218 χ^2/NDF : 64066.8/22

Left: 1292.725+/-0.153 χ^2/NDF : 373316.5/47

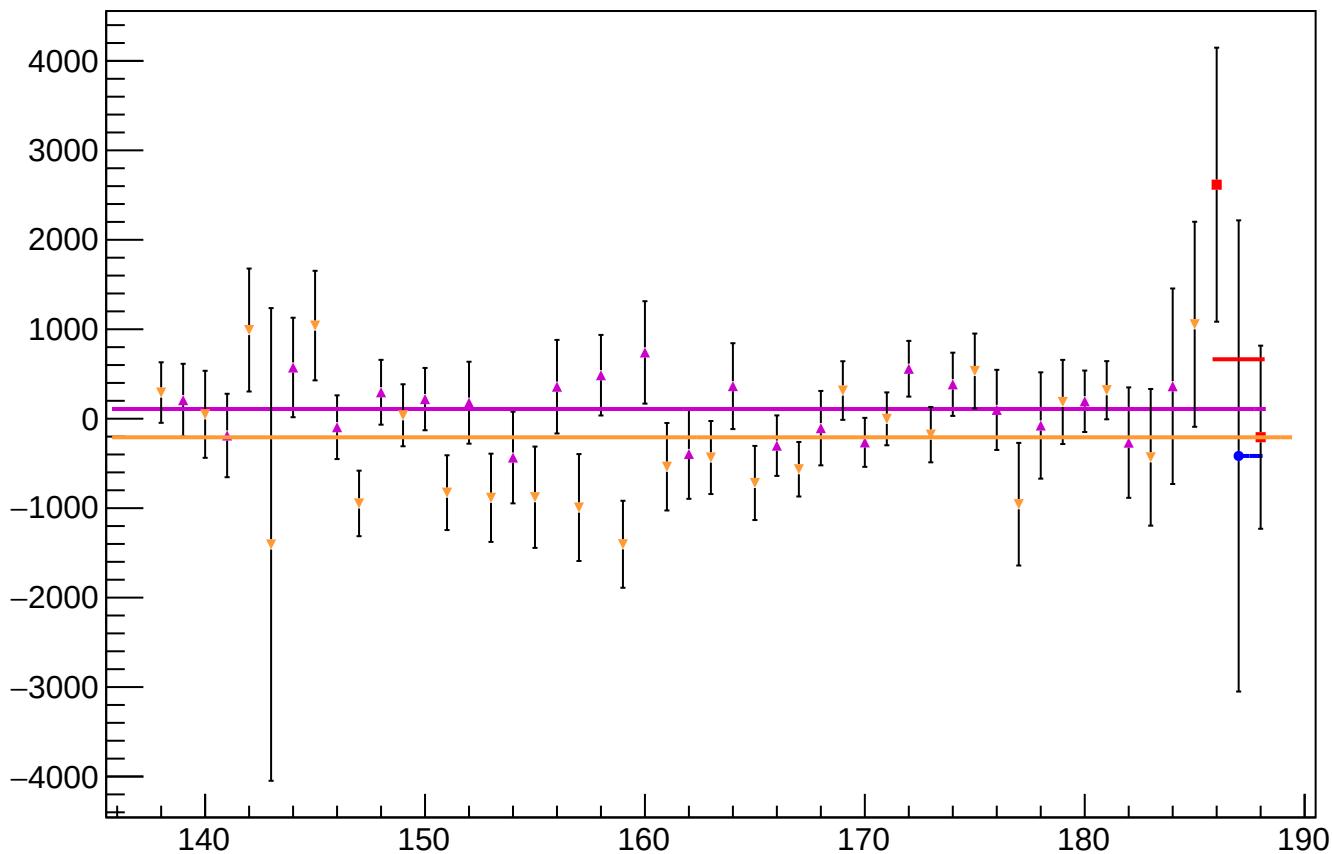
Right: 1421.002+/-0.994 χ^2/NDF : 7293.4/2

In: 1288.713+/-0.217 χ^2/NDF : 64112.9/23

Out: 1302.333+/-0.211 χ^2/NDF : 330740.8/26

All: 1295.701+/-0.151 χ^2/NDF : 396875.8/50

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



Right In: -416.388 $\pm$ 2633.823 χ^2 /NDF: 0.0/0

Left Out: -207.768 $\pm$ 85.771 χ^2 /NDF:43.3/24

Right Out: 664.549 $\pm$ 851.034 χ^2 /NDF: 2.3/1

Left In: 108.502 $\pm$ 87.013 χ^2 /NDF:13.3/22

Left: -51.905 $\pm$ 61.084 χ^2 /NDF: 63.4/47

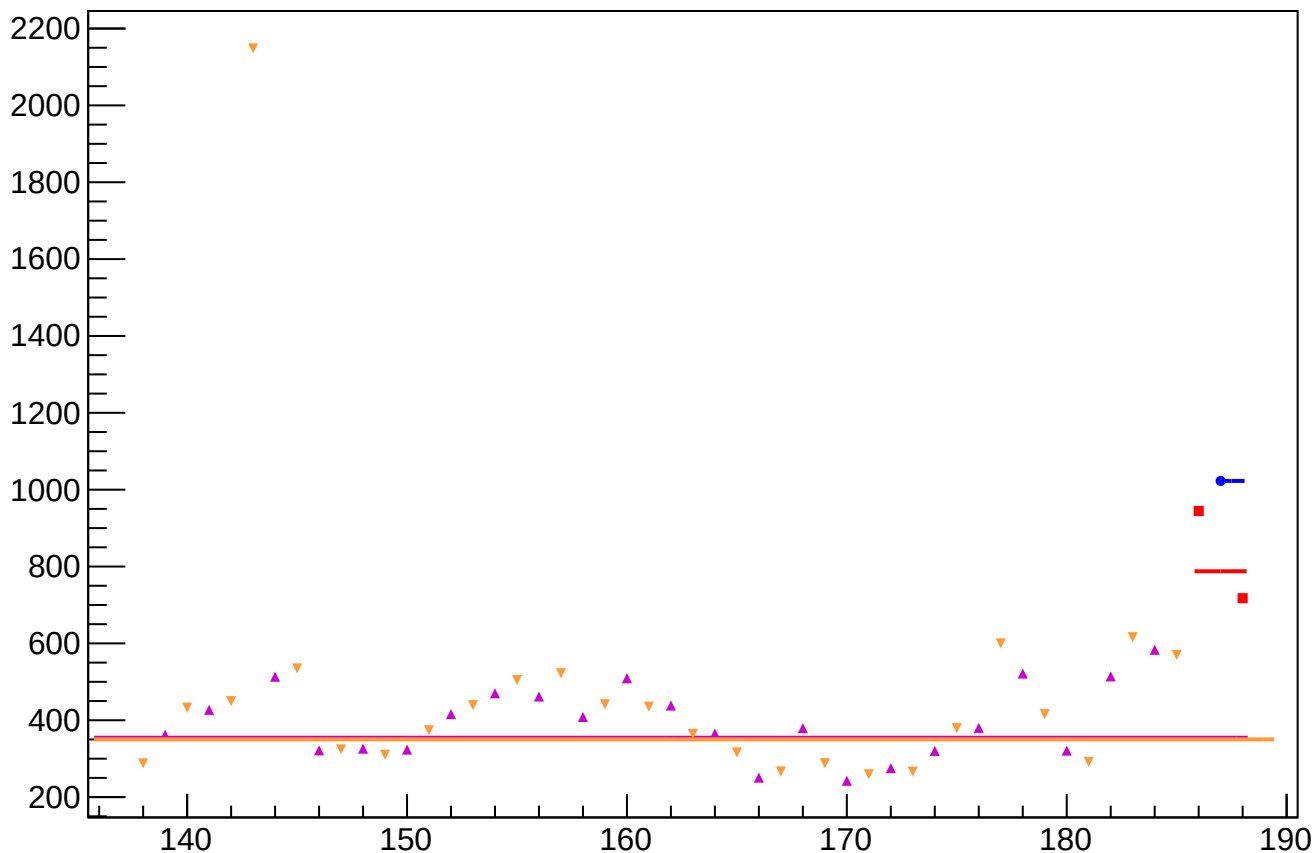
Right: 562.363 $\pm$ 809.809 χ^2 /NDF: 2.5/2

In: 107.929 $\pm$ 86.965 χ^2 /NDF:13.3/23

Out: -198.996 $\pm$ 85.339 χ^2 /NDF:46.7/26

All: -48.429 $\pm$ 60.911 χ^2 /NDF: 66.4/50

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



Right In: 1022.754+/-1.862 χ^2/NDF : 0.0/0

Left Out: 350.207+/-0.061 χ^2/NDF :3098227.1/24

Right Out: 787.684 ± 0.602 χ^2/NDF : 30353.5/1

Left In: 354.460+/-0.062 χ^2/NDF :1794499.3/22

Left: 352.303 ± 0.043 $\chi^2/\text{NDF}: 4895150.4/47$

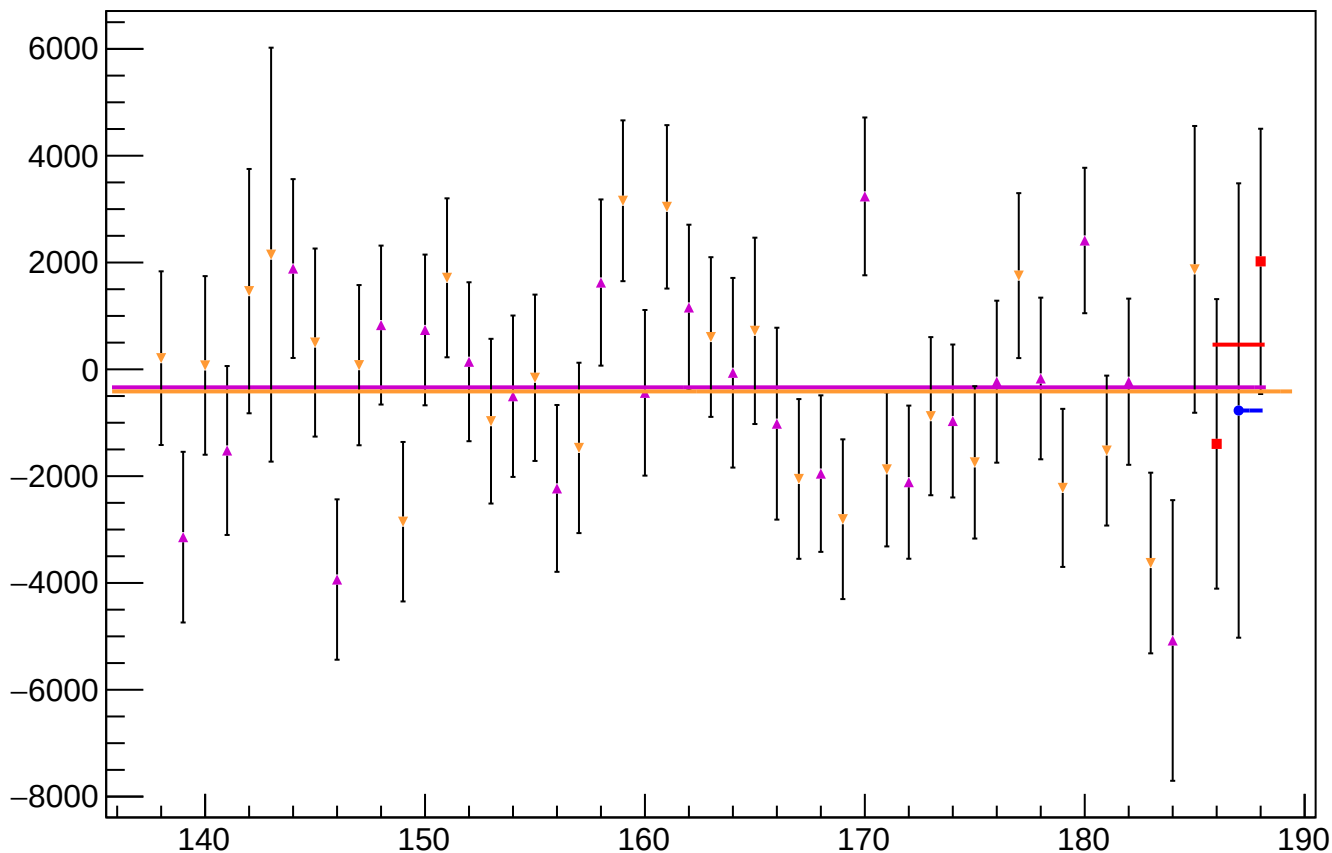
Right: 809.907+/-0.573 χ^2/NDF : 44778.7/2

In: 355.189+/-0.061 χ^2/NDF :1923121.9/23

Out: 354.606+/-0.060 χ^2/NDF :3651769.1/26

All: 354.892+/-0.043 χ^2/NDF : 5574936.8/50

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: 462.391+/-1831.085 χ^2/NDF : 0.9/1

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

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

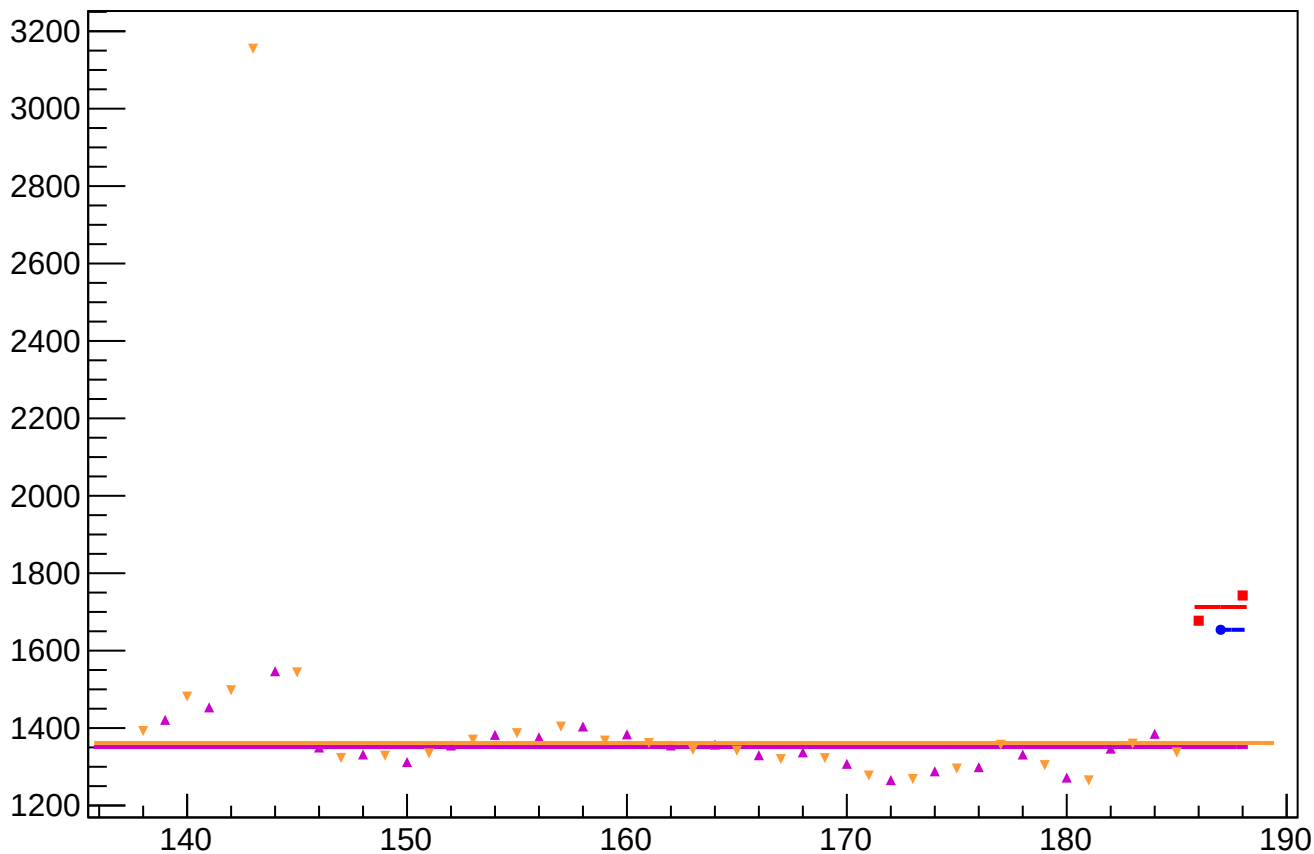
Right: 269.593+/-1681.900 χ^2/NDF : 0.9/2

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

Out: -387.345+/-315.869 χ^2/NDF :33.9/26

All: -363.978+/-225.523 χ^2/NDF : 66.7/50

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: 1712.759+/-1.295 χ^2/NDF : 628.3/1

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

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

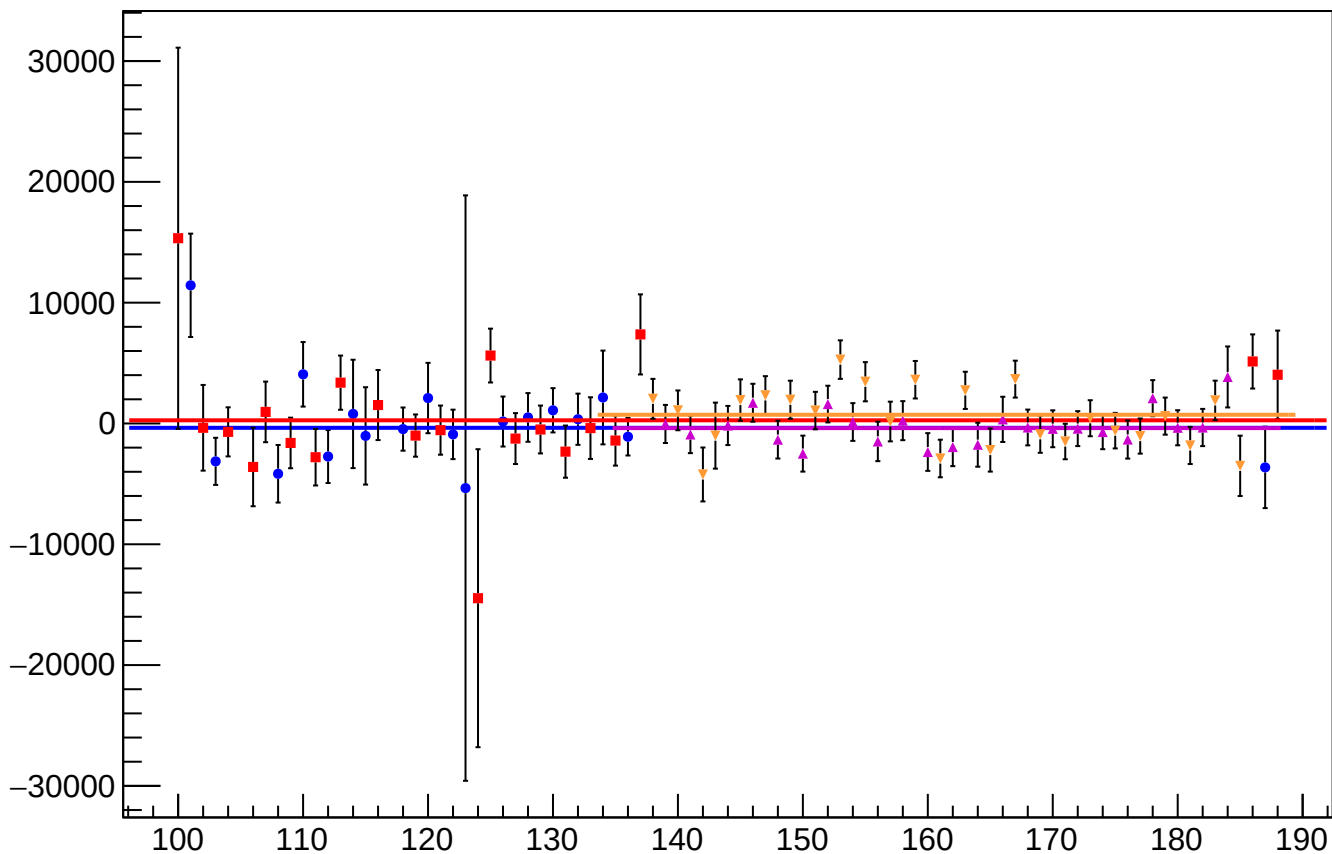
Right: 1703.556+/-1.189 χ^2/NDF : 951.5/2

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

Out: 1371.963+/-0.223 χ^2/NDF : 579902.1/26

All: 1362.543+/-0.159 χ^2/NDF : 662587.2/50

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -359.481 ± 559.585 $\chi^2/\text{NDF}: 19.6/17$

Left Out: 719.996 ± 325.895 $\chi^2/\text{NDF}: 48.2/24$

Right Out: 262.105 ± 532.293 $\chi^2/\text{NDF}: 28.4/20$

Left In: -384.154 ± 329.218 $\chi^2/\text{NDF}: 16.1/22$

Left: 173.521 ± 231.608 $\chi^2/\text{NDF}: 69.9/47$

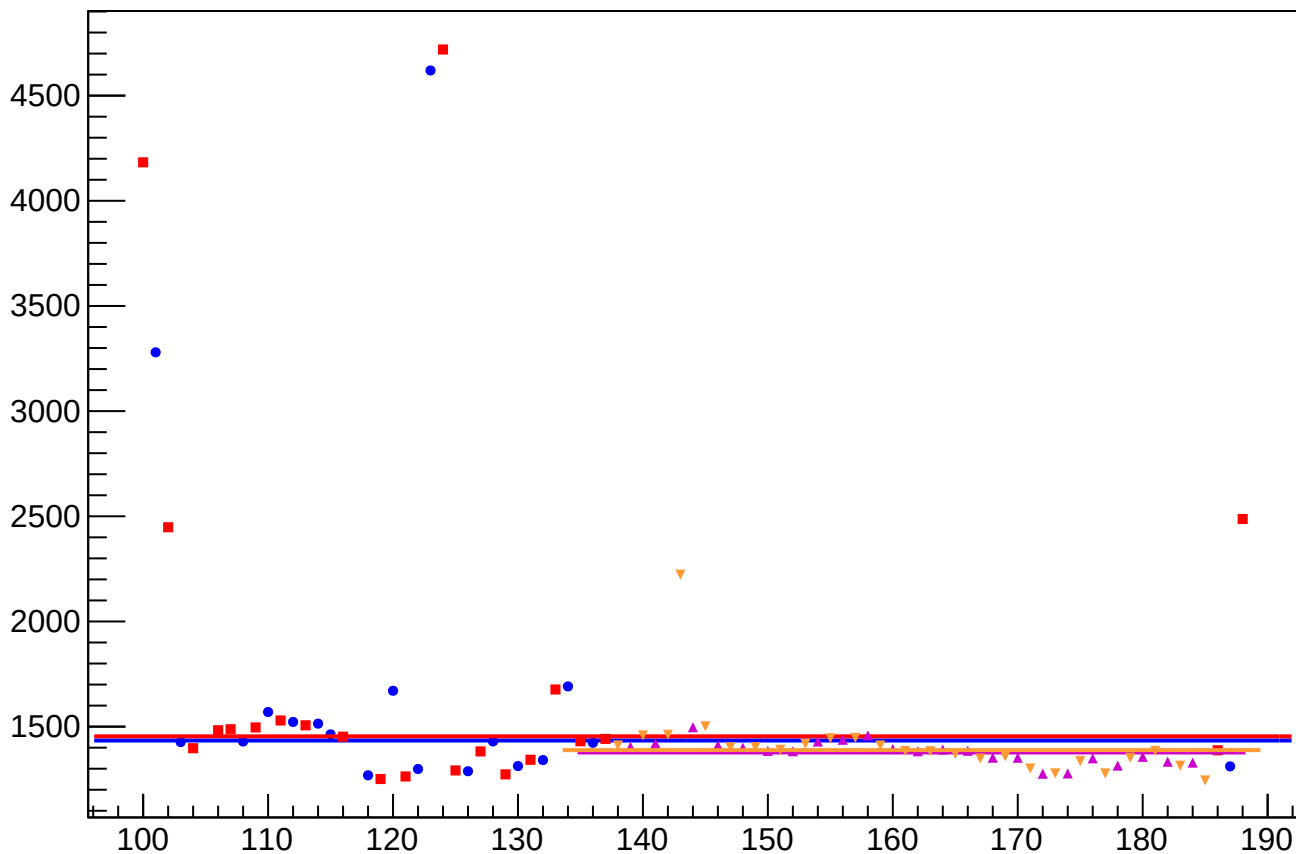
Right: -33.161 ± 385.675 $\chi^2/\text{NDF}: 48.6/38$

In: -377.810 ± 283.753 $\chi^2/\text{NDF}: 35.7/40$

Out: 595.154 ± 277.940 $\chi^2/\text{NDF}: 77.1/45$

All: 118.740 ± 198.556 $\chi^2/\text{NDF}: 118.8/86$

dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1434.090 ± 0.396 $\chi^2/\text{NDF}: 489206.1/17$

Left Out: 1388.373 ± 0.230 $\chi^2/\text{NDF}: 253925.2/24$

Right Out: 1453.923 ± 0.376 $\chi^2/\text{NDF}: 619471.4/20$

Left In: 1377.178 ± 0.233 $\chi^2/\text{NDF}: 52477.1/22$

Left: 1382.832 ± 0.164 $\chi^2/\text{NDF}: 307570.2/47$

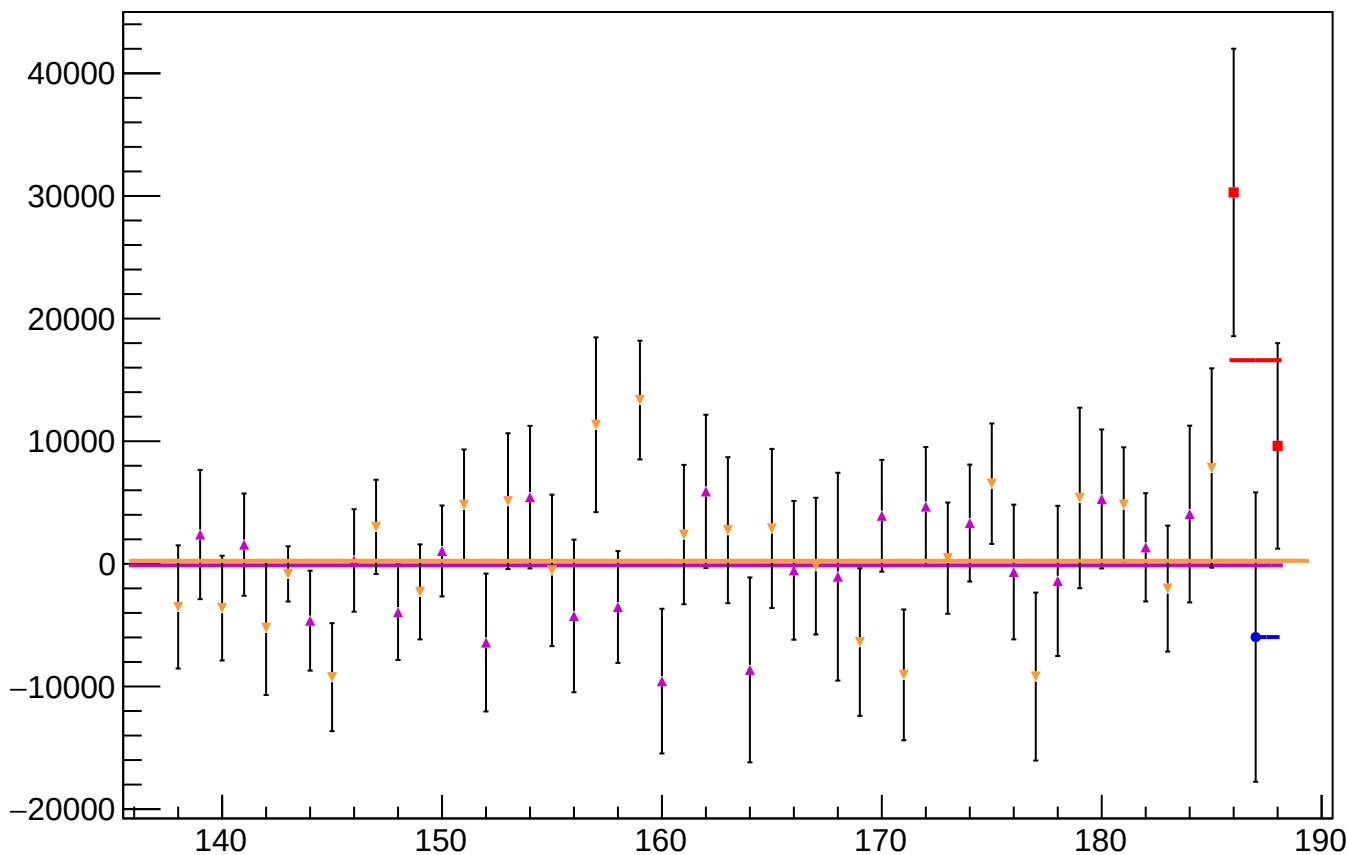
Right: 1444.508 ± 0.273 $\chi^2/\text{NDF}: 1109997.0/38$

In: 1391.812 ± 0.201 $\chi^2/\text{NDF}: 557051.4/40$

Out: 1406.259 ± 0.197 $\chi^2/\text{NDF}: 895475.2/45$

All: 1399.186 ± 0.140 $\chi^2/\text{NDF}: 1455172.9/86$

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



Right In: -5970.763 $\pm$ 11800.563 χ^2 /NDF: 0.0/0

Left Out: 244.145 $\pm$ 958.930 χ^2 /NDF:30.5/24

Right Out: 16608.301 $\pm$ 6817.149 χ^2 /NDF: 2.1/1

Left In: -123.071 $\pm$ 1055.240 χ^2 /NDF:14.3/22

Left: 78.056 $\pm$ 709.678 χ^2 /NDF: 44.9/47

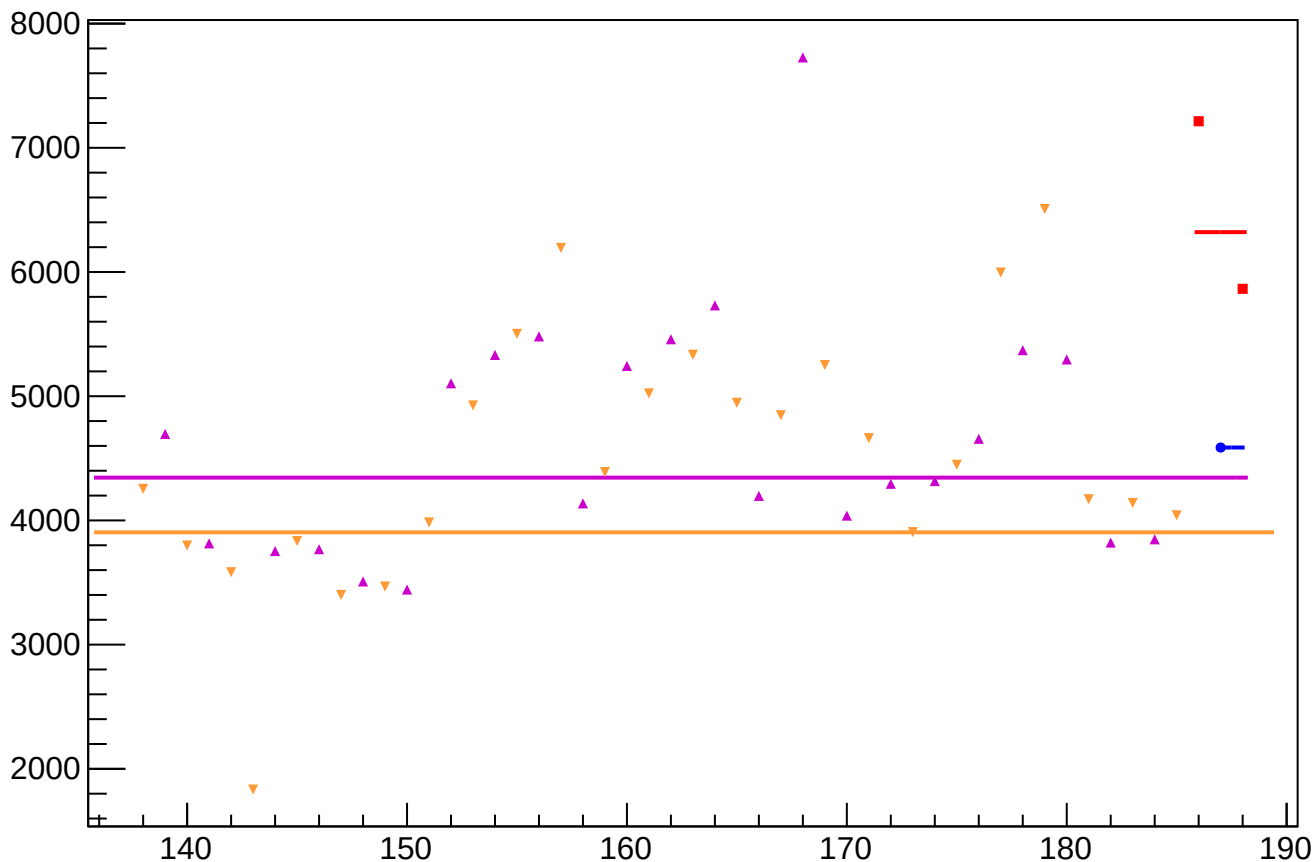
Right: 10958.451 $\pm$ 5902.938 χ^2 /NDF: 4.8/2

In: -169.461 $\pm$ 1051.046 χ^2 /NDF:14.6/23

Out: 561.651 $\pm$ 949.582 χ^2 /NDF:38.3/26

All: 233.079 $\pm$ 704.604 χ^2 /NDF: 53.1/50

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



Right In: 4587.015+/-8.344 χ^2/NDF : 0.0/0

Left Out: 3904.444+/-0.678 χ^2/NDF : 3111666.2/24

Right Out: 6320.969+/-4.820 χ^2/NDF : 17529.4/1

Left In: 4344.640+/-0.746 χ^2/NDF : 1160183.3/22

Left: 4103.541+/-0.502 χ^2/NDF : 4462469.2/47

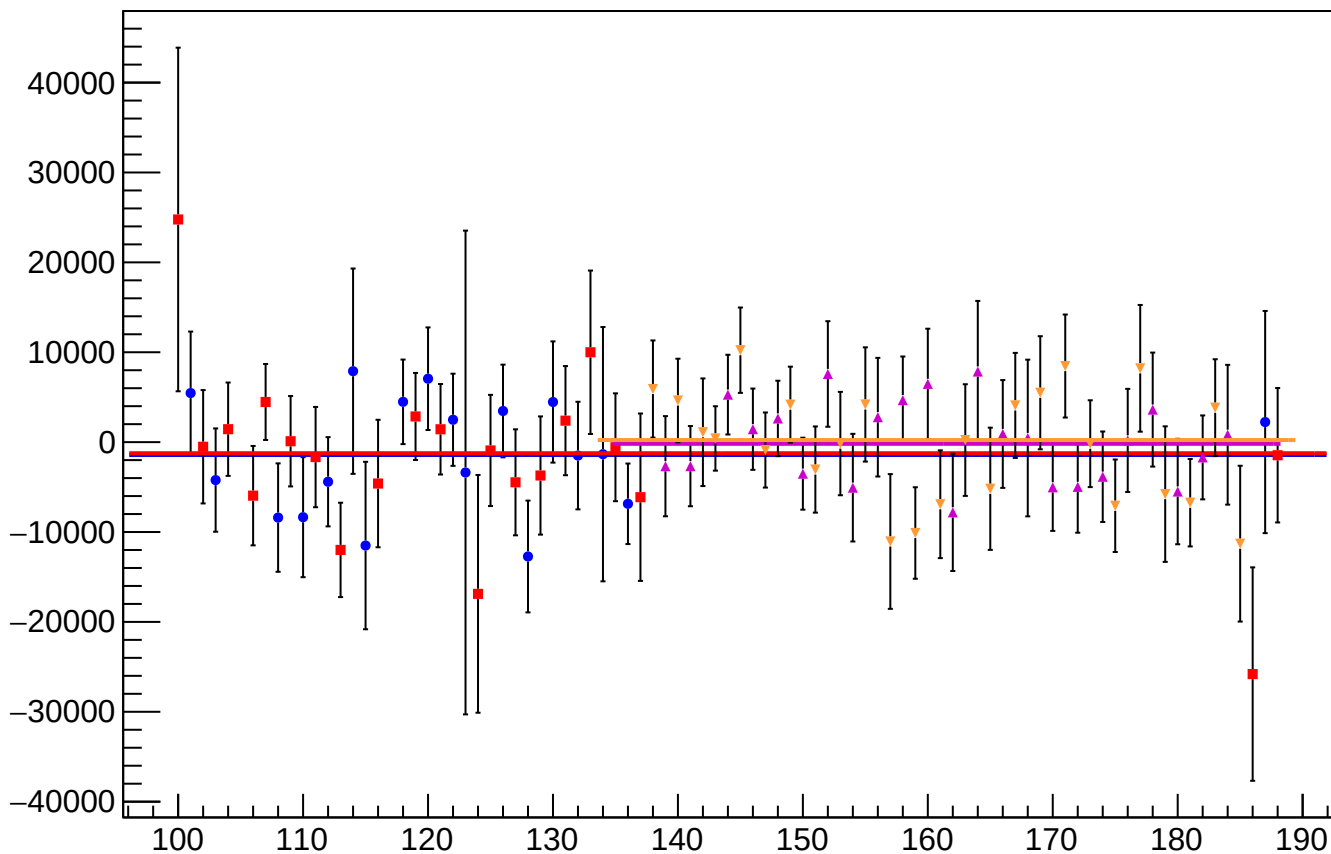
Right: 5887.090+/-4.174 χ^2/NDF : 49906.0/2

In: 4346.562+/-0.743 χ^2/NDF : 1161020.3/23

Out: 3951.331+/-0.671 χ^2/NDF : 3375628.1/26

All: 4128.953+/-0.498 χ^2/NDF : 4692358.1/50

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1433.076 $\pm$ 1488.208 χ^2 /NDF: 16.8/17

Left Out: 229.897 $\pm$ 1073.528 χ^2 /NDF:28.1/24

Right Out: -1233.245 $\pm$ 1347.287 χ^2 /NDF: 18.5/20

Left In: -185.280 $\pm$ 1119.296 χ^2 /NDF:14.3/22

Left: 30.970 $\pm$ 774.774 χ^2 /NDF: 42.5/47

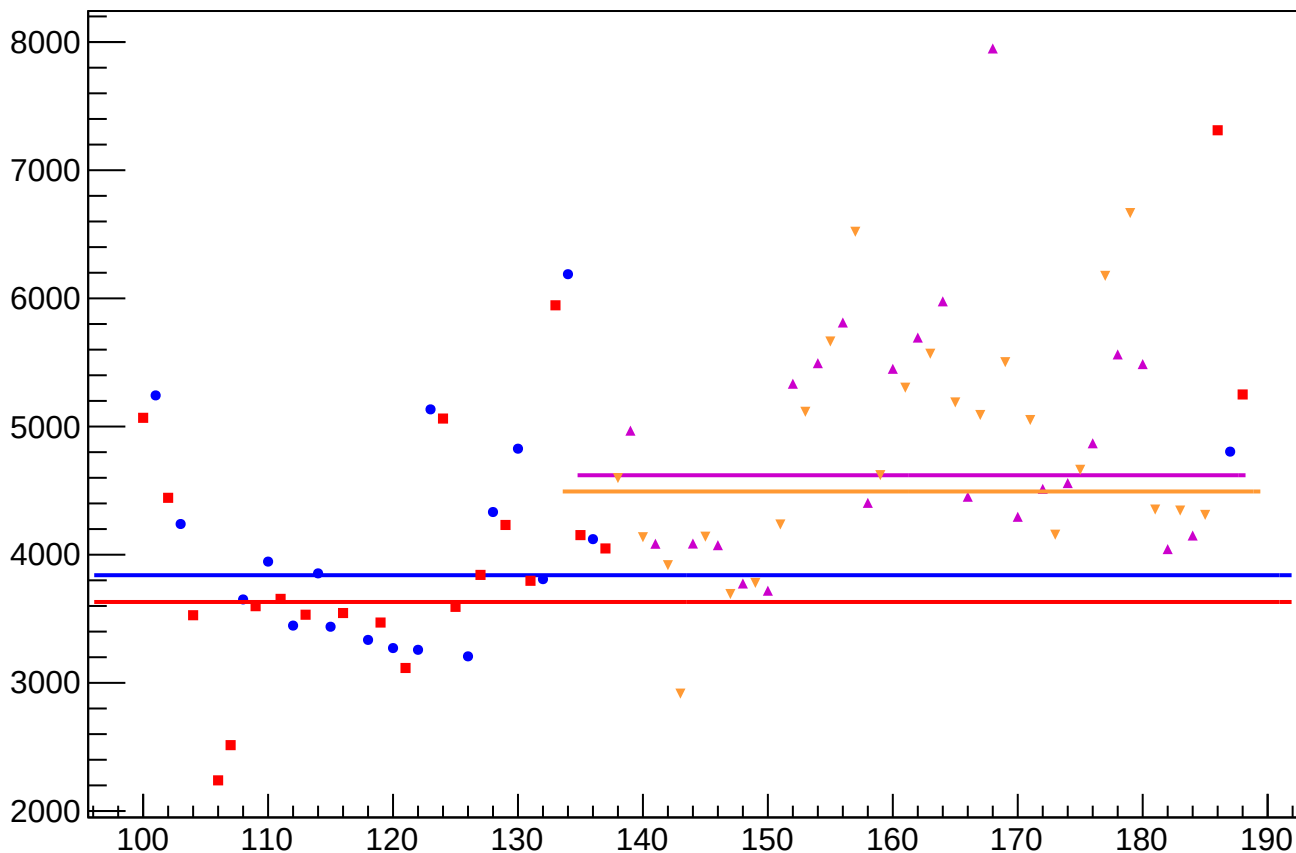
Right: -1323.254 $\pm$ 998.790 χ^2 /NDF: 35.2/38

In: -636.103 $\pm$ 894.530 χ^2 /NDF:31.5/40

Out: -338.304 $\pm$ 839.591 χ^2 /NDF:47.3/45

All: -477.778 $\pm$ 612.182 χ^2 /NDF: 78.8/86

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: 3631.101+/-0.944 χ^2/NDF : 852723.3/20

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

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

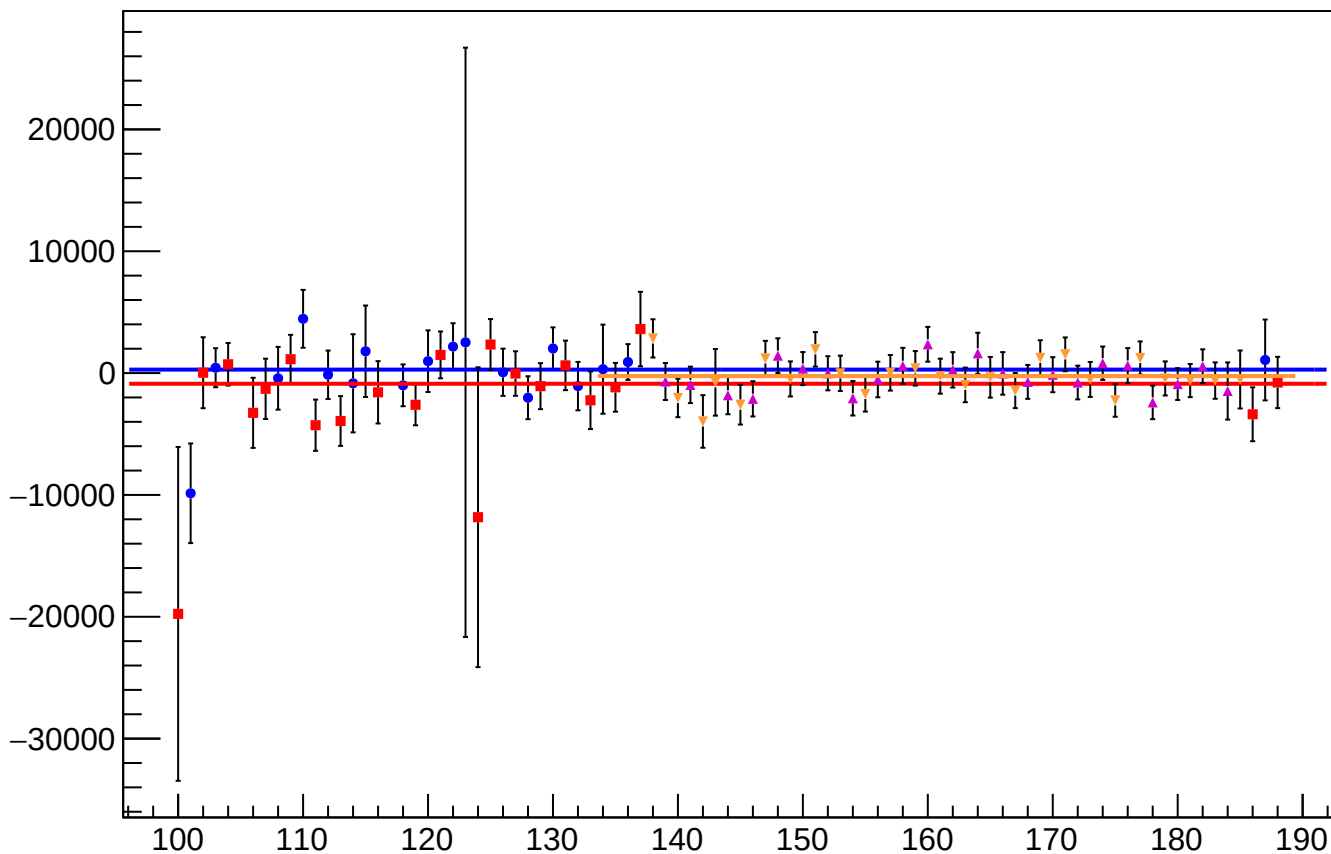
Right: 3724.309+/-0.703 χ^2/NDF : 1221314.8/38

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

Out: 4154.901+/-0.592 χ^2/NDF :2668223.4/45

All: 4240.421+/-0.432 χ^2/NDF : 4412565.3/86

dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 285.716 ± 517.121 $\chi^2/\text{NDF}: 14.7/17$

Left Out: -242.571 ± 301.700 $\chi^2/\text{NDF}: 22.3/24$

Right Out: -875.537 ± 485.170 $\chi^2/\text{NDF}: 19.8/20$

Left In: -245.829 ± 305.043 $\chi^2/\text{NDF}: 15.9/22$

Left: -244.182 ± 214.506 $\chi^2/\text{NDF}: 38.2/47$

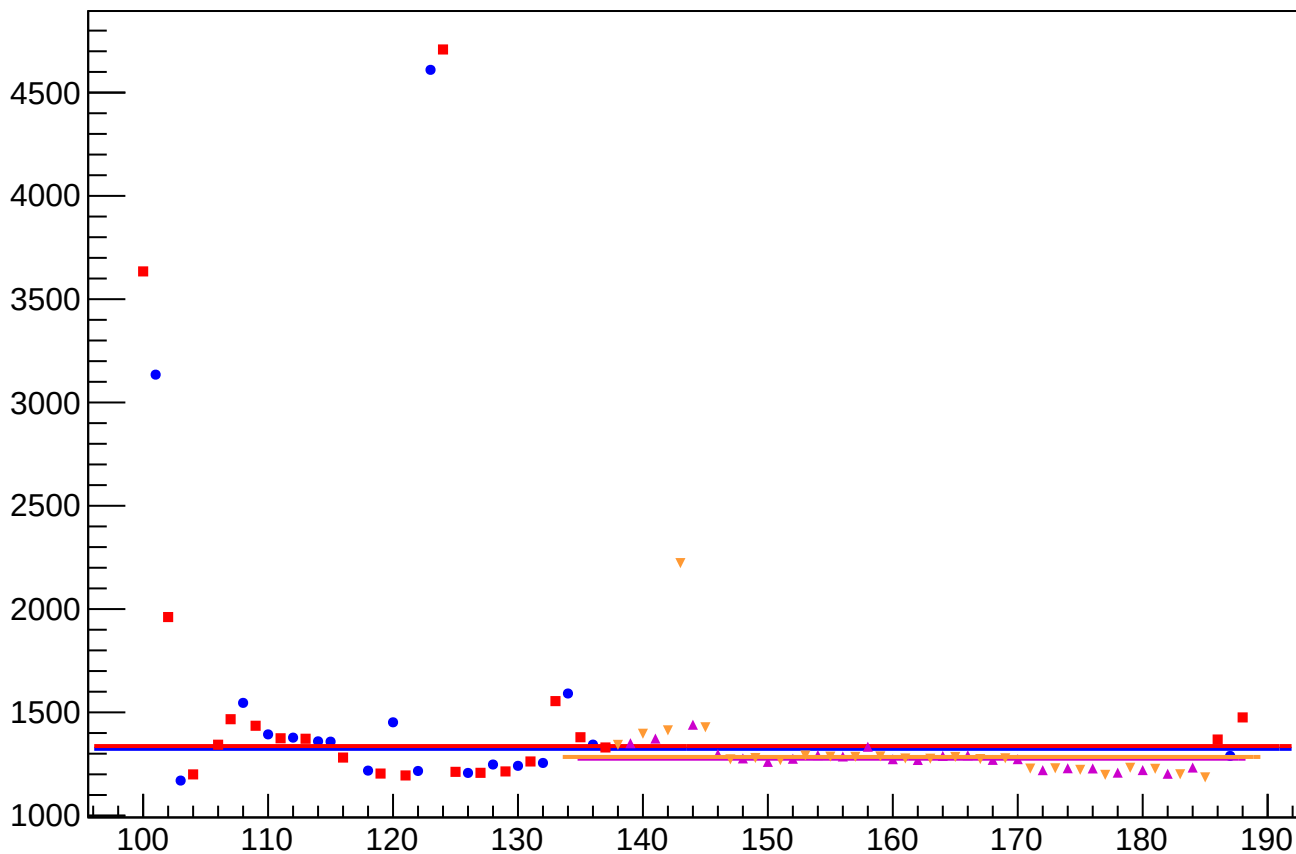
Right: -331.892 ± 353.824 $\chi^2/\text{NDF}: 37.1/38$

In: -108.615 ± 262.737 $\chi^2/\text{NDF}: 31.4/40$

Out: -419.079 ± 256.204 $\chi^2/\text{NDF}: 43.3/45$

All: -267.755 ± 183.430 $\chi^2/\text{NDF}: 75.3/86$

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1323.427+/-0.366 χ^2/NDF : 514308.4/17

Left Out: 1284.208+/-0.213 χ^2/NDF : 306696.8/24

Right Out: 1336.872+/-0.343 χ^2/NDF : 401918.2/20

Left In: 1275.674+/-0.216 χ^2/NDF : 62431.9/22

Left: 1279.988+/-0.152 χ^2/NDF : 369920.1/47

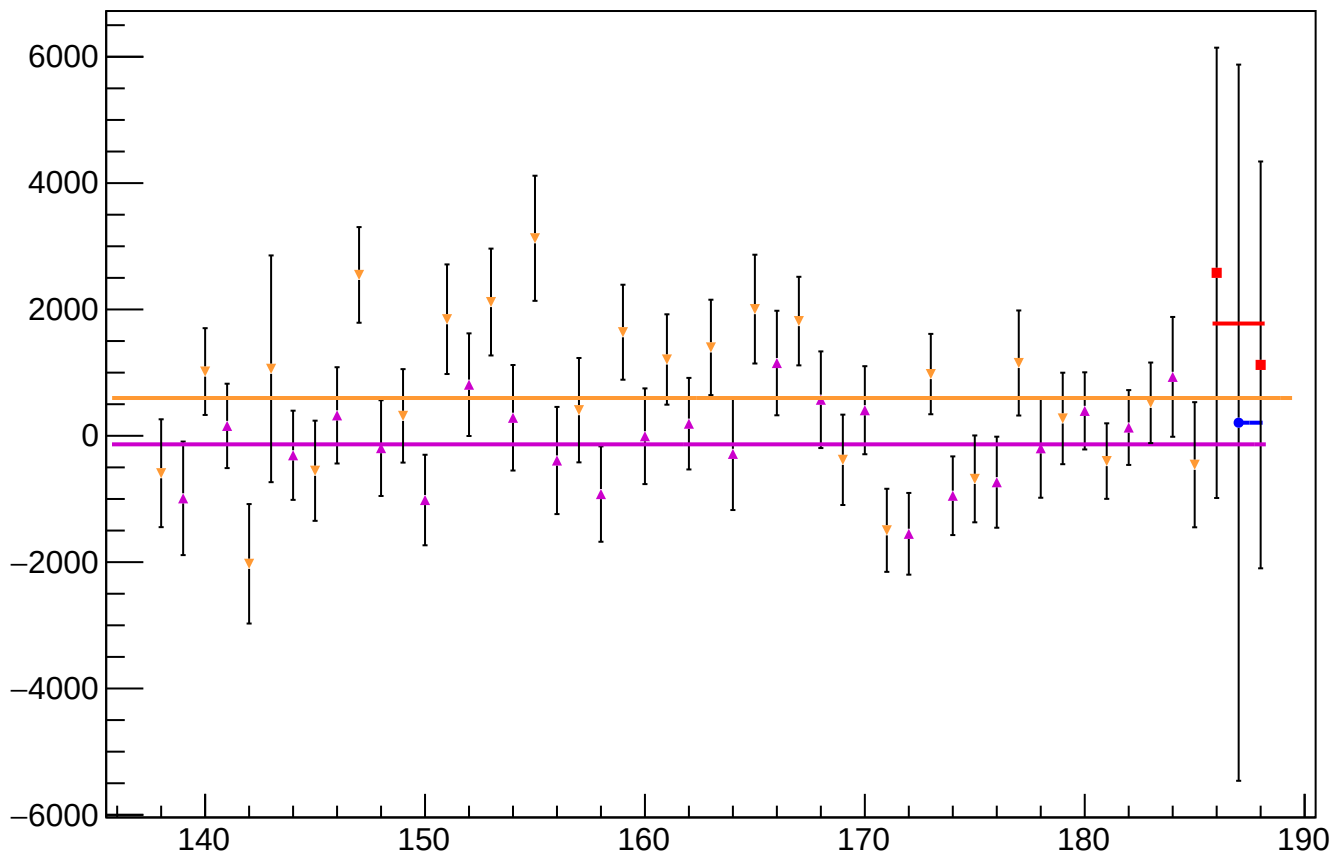
Right: 1330.578+/-0.250 χ^2/NDF : 916945.7/38

In: 1288.001+/-0.186 χ^2/NDF : 589392.6/40

Out: 1298.894+/-0.181 χ^2/NDF : 725608.8/45

All: 1293.585+/-0.130 χ^2/NDF : 1316763.6/86

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



Right In: 207.364+/-5668.573 χ^2/NDF : 0.0/0

Left Out: 598.368+/-153.138 χ^2/NDF : 60.7/24

Right Out: 1777.241+/-2389.406 χ^2/NDF : 0.1/1

Left In: -135.168+/-153.761 χ^2/NDF : 19.4/22

Left: 233.089+/-108.505 χ^2/NDF : 91.5/47

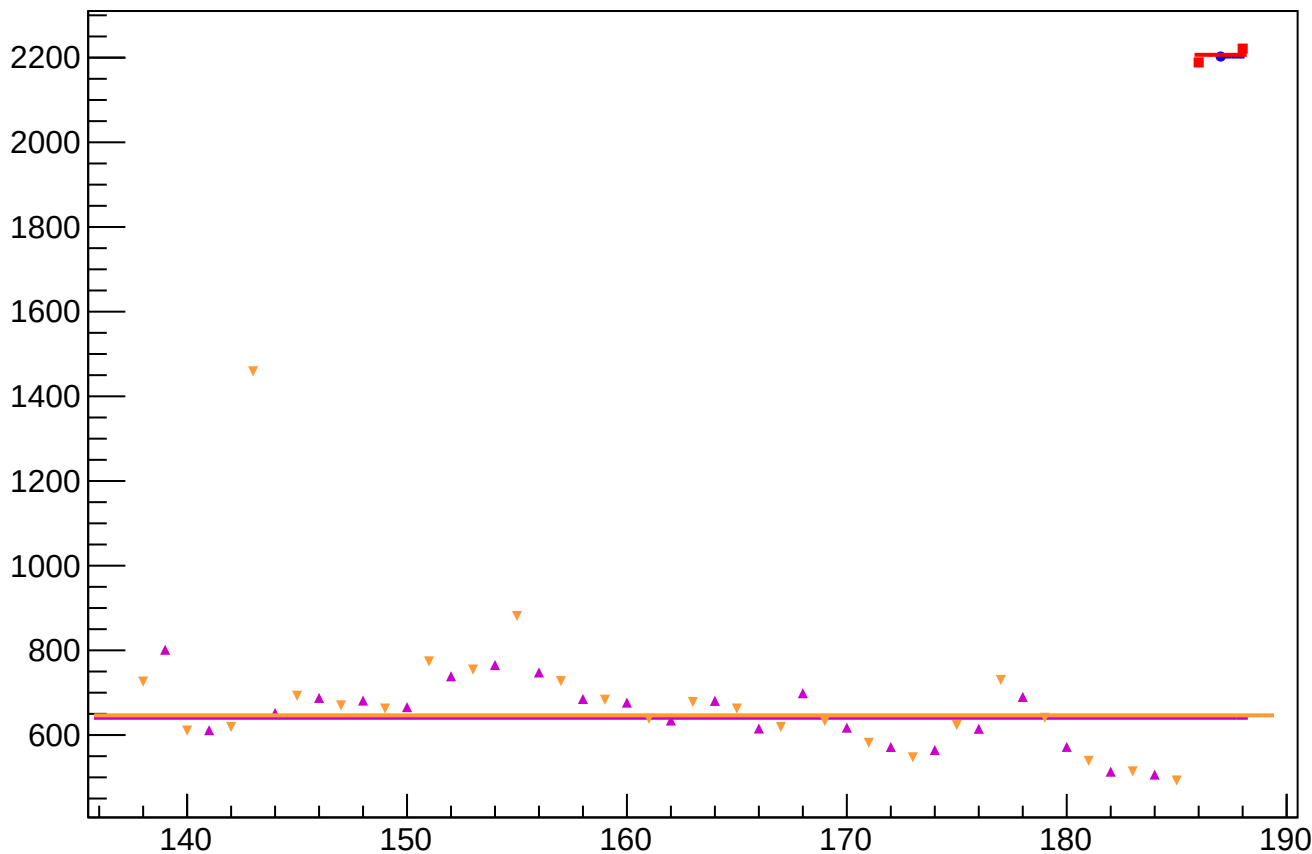
Right: 1540.392+/-2201.794 χ^2/NDF : 0.2/2

In: -134.916+/-153.705 χ^2/NDF : 19.4/23

Out: 603.191+/-152.825 χ^2/NDF : 61.0/26

All: 236.256+/-108.373 χ^2/NDF : 92.0/50

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



Right In: 2202.595+/-4.008 χ^2/NDF : 0.0/0

Left Out: 646.517+/-0.108 χ^2/NDF :954278.0/24

Right Out: 2206.633+/-1.690 χ^2/NDF : 92.0/1

Left In: 640.732+/-0.109 χ^2/NDF :441649.3/22

Left: 643.636+/-0.077 χ^2/NDF : 1397348.7/47

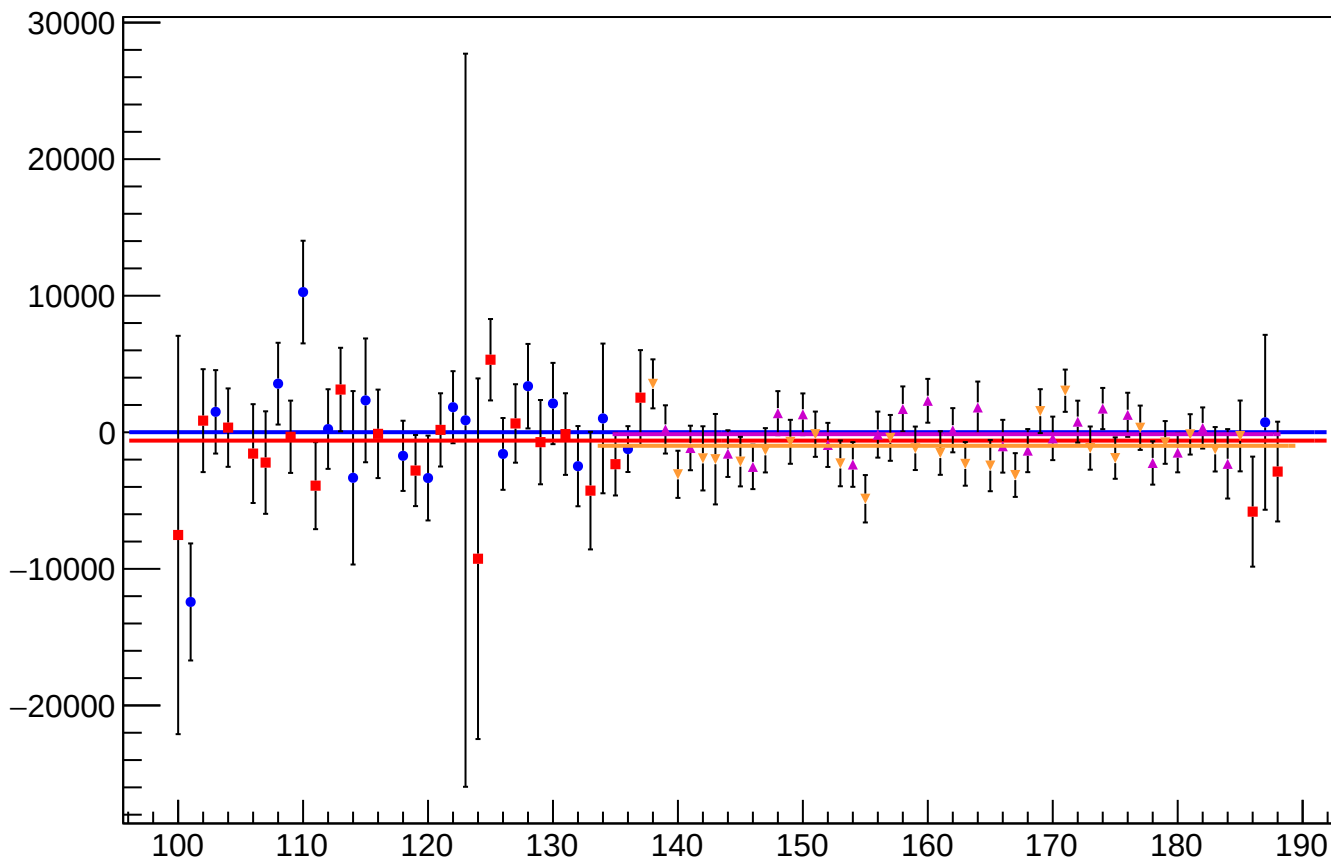
Right: 2206.024+/-1.557 χ^2/NDF : 92.9/2

In: 641.880+/-0.109 χ^2/NDF :593371.4/23

Out: 652.899+/-0.108 χ^2/NDF :1803518.6/26

All: 647.421+/-0.077 χ^2/NDF : 2402058.9/50

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: -609.102 ± 708.156 $\chi^2/\text{NDF}: 12.9/20$

Left In: -137.780 ± 342.262 $\chi^2/\text{NDF}: 18.8/22$

Left: -565.633 ± 241.125 $\chi^2/\text{NDF}: 50.4/47$

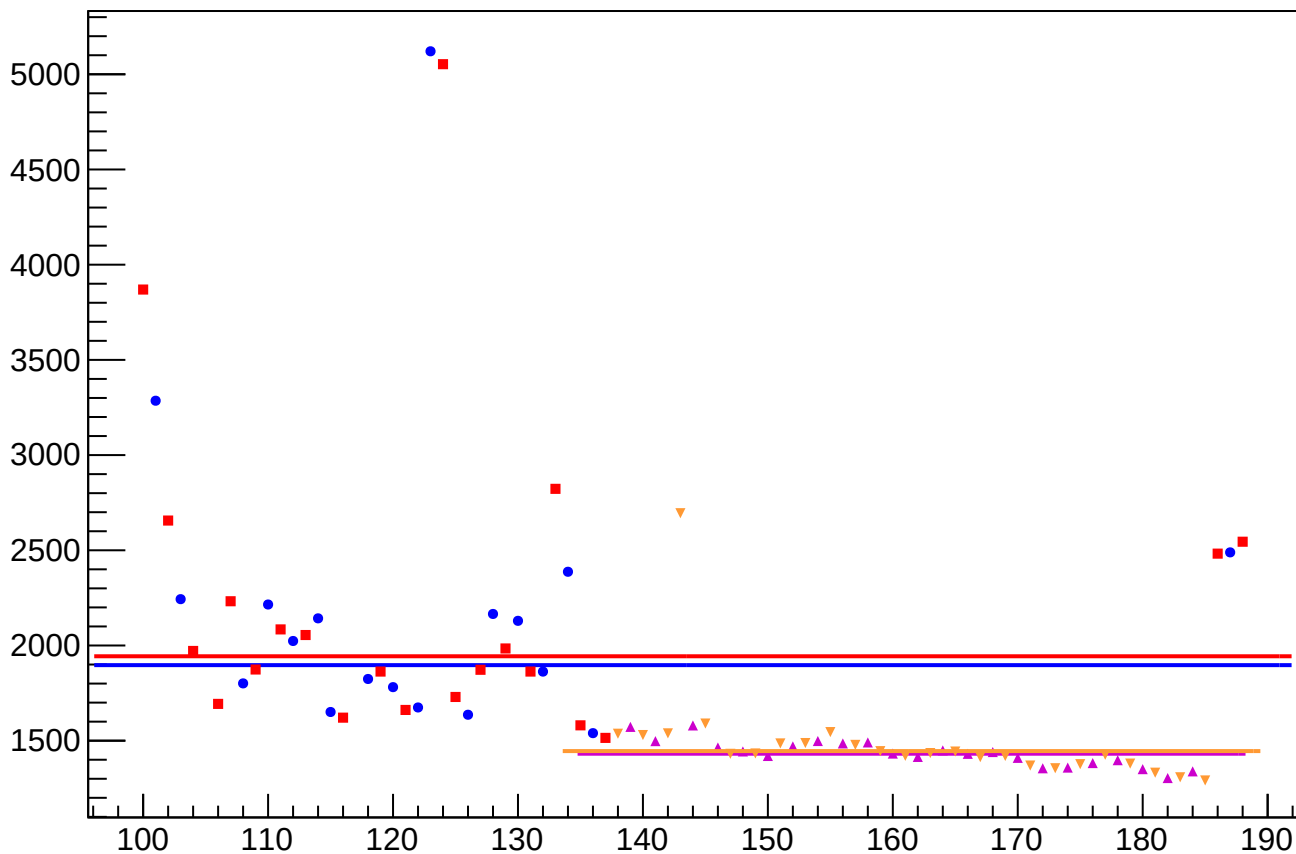
Right: -314.337 ± 511.652 $\chi^2/\text{NDF}: 36.8/38$

In: -112.166 ± 310.649 $\chi^2/\text{NDF}: 42.4/40$

Out: -916.490 ± 306.325 $\chi^2/\text{NDF}: 41.6/45$

All: -519.965 ± 218.117 $\chi^2/\text{NDF}: 87.4/86$

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: 1943.395 $\pm$ 0.501 χ^2 /NDF: 558067.4/20

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

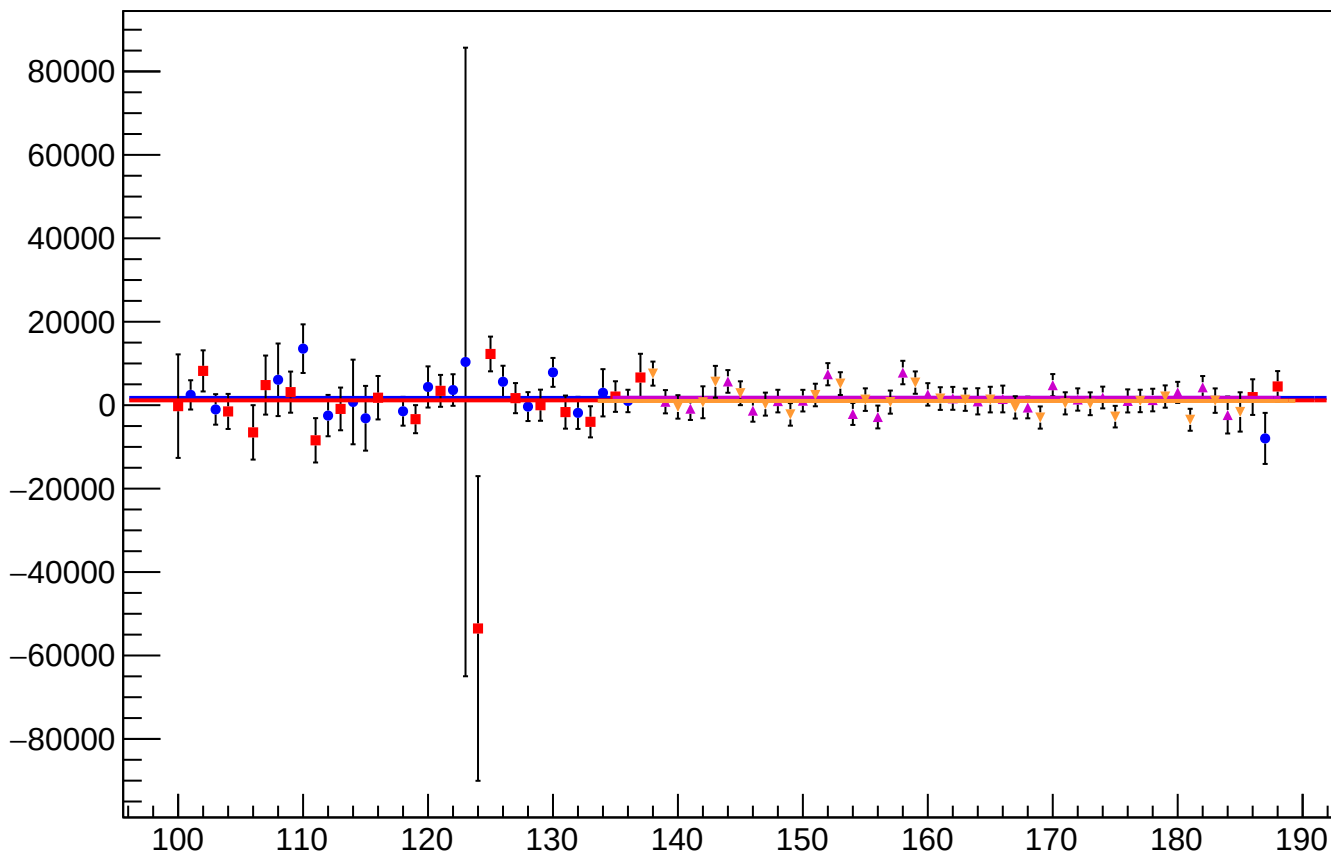
Right: 1921.137 $\pm$ 0.362 χ^2 /NDF: 1045381.5/38

In: 1513.624 $\pm$ 0.220 χ^2 /NDF: 1211890.8/40

Out: 1538.598 $\pm$ 0.217 χ^2 /NDF: 1736877.8/45

All: 1526.286 $\pm$ 0.154 χ^2 /NDF: 2955322.6/86

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1743.338+/-1021.118 χ^2 /NDF: 15.5/17

Left Out: 1012.151+/-565.770 χ^2 /NDF:22.4/24

Right Out: 1160.719+/-984.354 χ^2 /NDF: 23.6/20

Left In: 1768.654+/-574.282 χ^2 /NDF:23.2/22

Left: 1384.755+/-403.035 χ^2 /NDF: 46.4/47

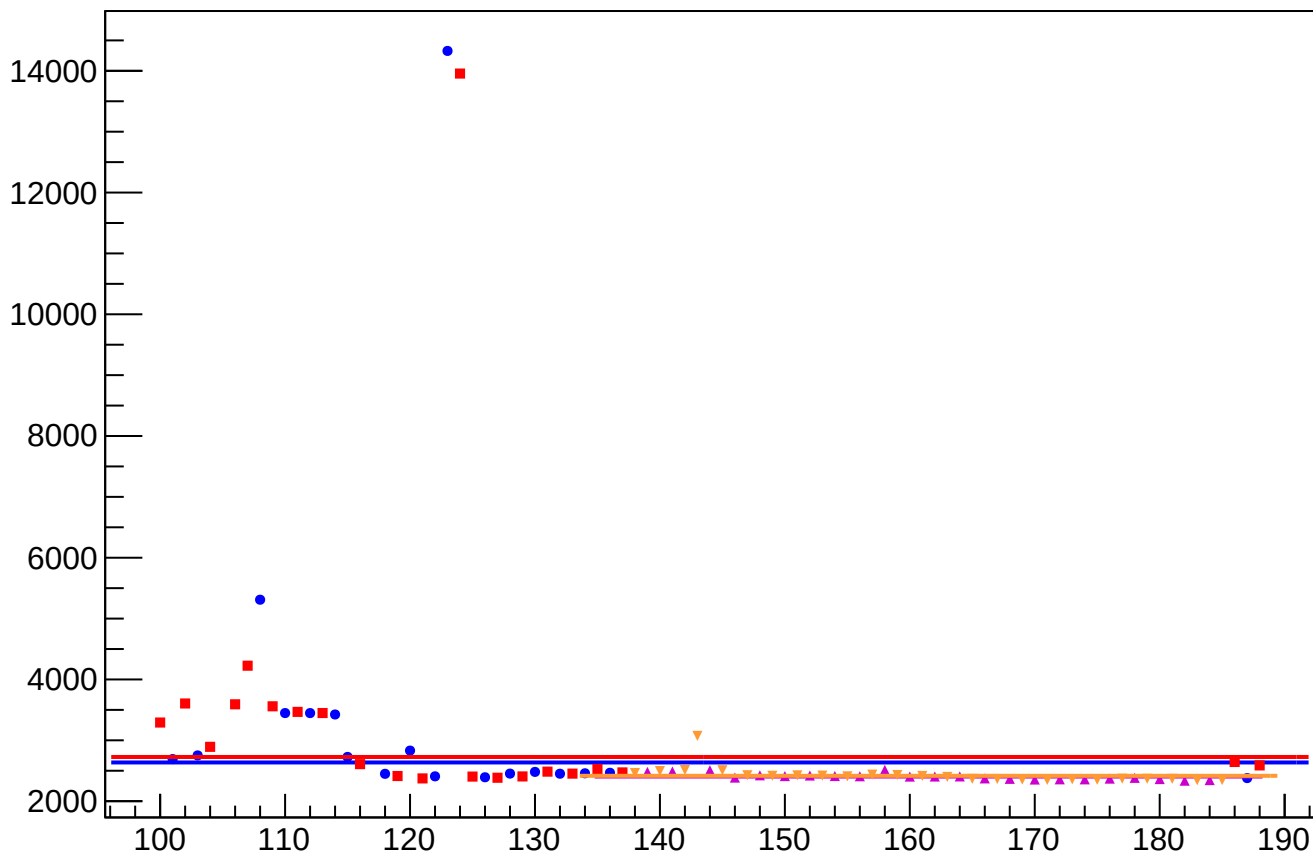
Right: 1441.352+/-708.684 χ^2 /NDF: 39.3/38

In: 1762.571+/-500.550 χ^2 /NDF:38.7/40

Out: 1049.043+/-490.520 χ^2 /NDF:46.0/45

All: 1398.586+/-350.342 χ^2 /NDF: 85.7/86

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2636.171+/-0.722 χ^2/NDF : 396327.3/17

Left Out: 2416.984+/-0.400 χ^2/NDF : 74336.3/24

Right Out: 2726.276+/-0.696 χ^2/NDF : 632051.8/20

Left In: 2404.873+/-0.406 χ^2/NDF : 14770.0/22

Left: 2411.019+/-0.285 χ^2/NDF : 89557.7/47

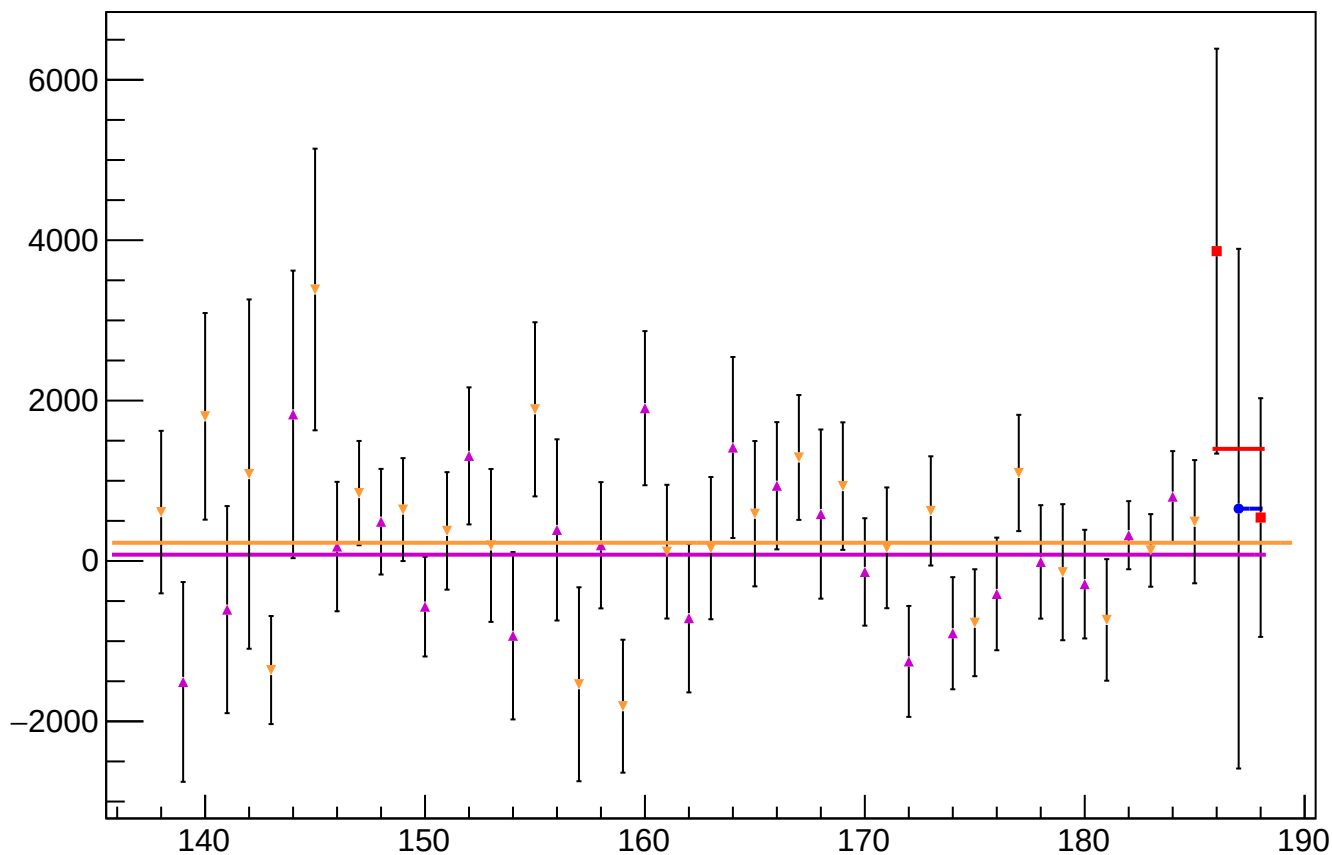
Right: 2682.875+/-0.501 χ^2/NDF : 1036451.0/38

In: 2460.452+/-0.354 χ^2/NDF : 489056.6/40

Out: 2493.787+/-0.347 χ^2/NDF : 854810.4/45

All: 2477.457+/-0.248 χ^2/NDF : 1348391.8/86

asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: 652.196+/-3240.518 χ^2/NDF : 0.0/0

Left Out: 227.025+/-158.128 χ^2/NDF :31.3/24

Right Out: 1398.057+/-1282.036 χ^2/NDF : 1.3/1

Left In: 78.542+/-159.308 χ^2/NDF :23.1/22

Left: 153.335+/-112.228 χ^2/NDF : 54.9/47

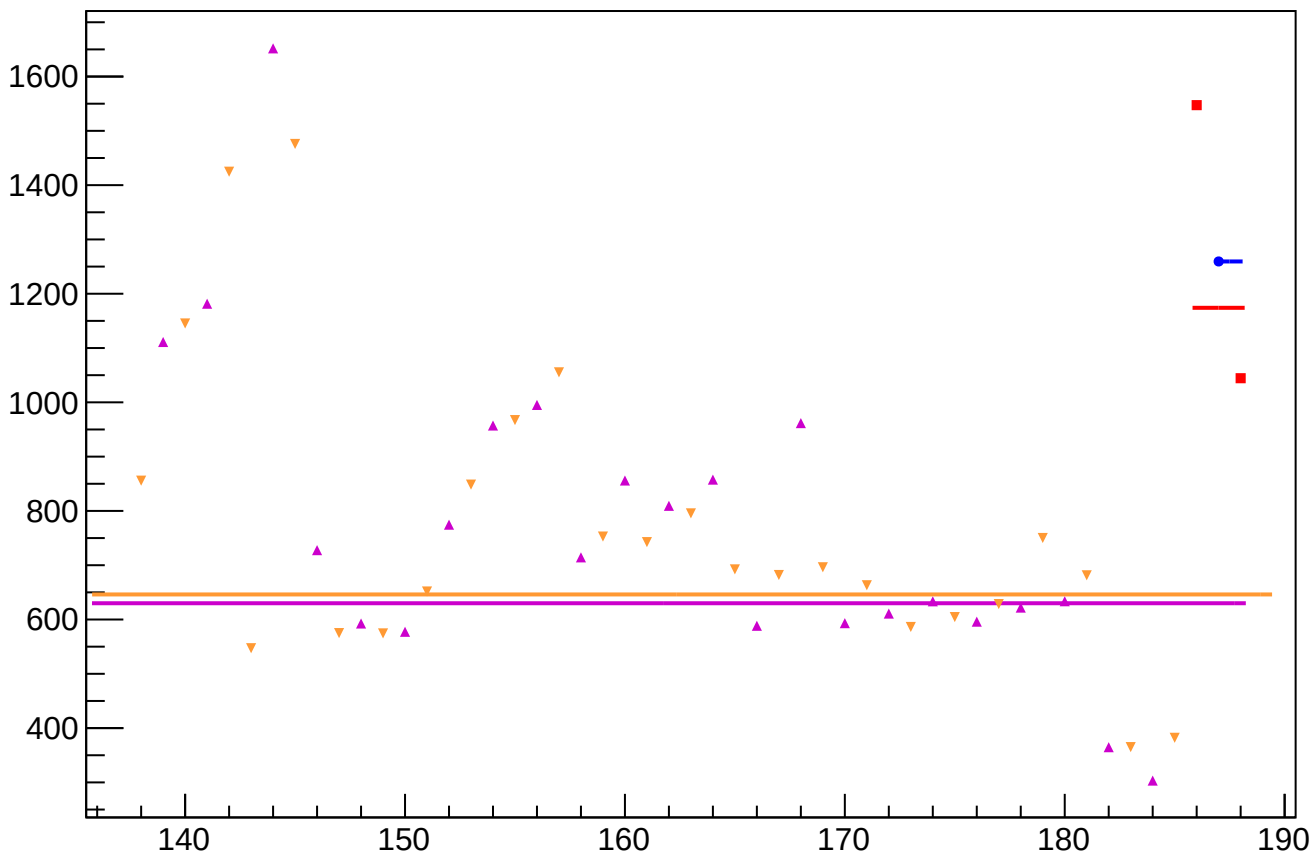
Right: 1297.114+/-1192.130 χ^2/NDF : 1.3/2

In: 79.925+/-159.115 χ^2/NDF :23.2/23

Out: 244.573+/-156.939 χ^2/NDF :33.4/26

All: 163.383+/-111.734 χ^2/NDF : 57.1/50

asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 1259.442 $\pm$ 2.291 χ^2 /NDF: 0.0/0

Left Out: 646.167 $\pm$ 0.112 χ^2 /NDF:2875111.2/24

Right Out: 1174.077 $\pm$ 0.907 χ^2 /NDF: 58895.4/1

Left In: 629.971 $\pm$ 0.113 χ^2 /NDF:3773702.5/22

Left: 638.129 $\pm$ 0.079 χ^2 /NDF: 6659226.3/47

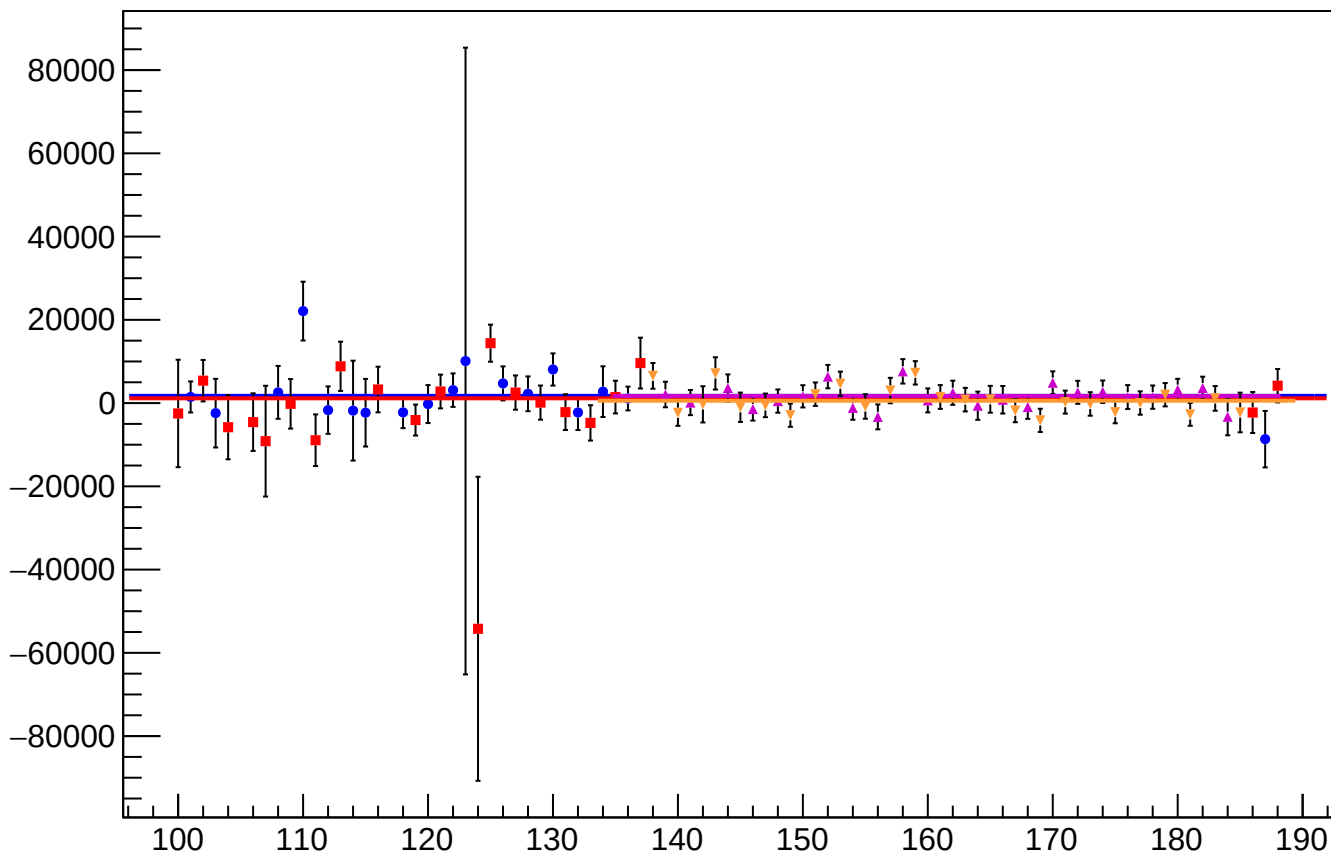
Right: 1185.630 $\pm$ 0.843 χ^2 /NDF: 60095.4/2

In: 631.489 $\pm$ 0.113 χ^2 /NDF:3848986.7/23

Out: 654.078 $\pm$ 0.111 χ^2 /NDF:3268042.1/26

All: 642.939 $\pm$ 0.079 χ^2 /NDF: 7137461.1/50

asym_atl1_mean vs Slug, Sign Corrected



Right In: 1737.838 $\pm$ 1135.169 χ^2 /NDF: 17.3/17

Left Out: 566.778 $\pm$ 598.308 χ^2 /NDF: 25.2/24

Right Out: 1146.448 $\pm$ 1108.831 χ^2 /NDF: 26.4/20

Left In: 1713.317 $\pm$ 607.775 χ^2 /NDF: 18.1/22

Left: 1131.048 $\pm$ 426.375 χ^2 /NDF: 45.0/47

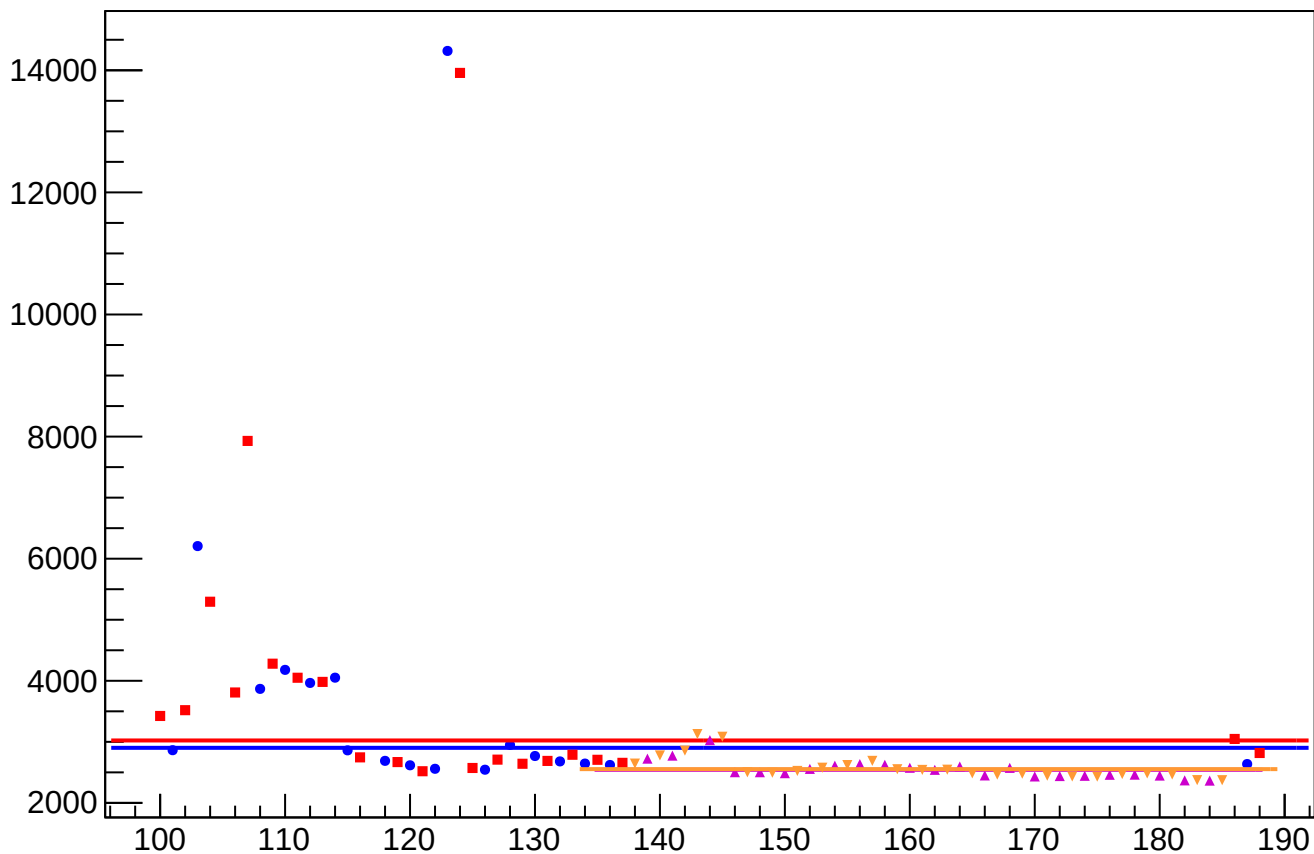
Right: 1435.203 $\pm$ 793.210 χ^2 /NDF: 43.8/38

In: 1718.780 $\pm$ 535.811 χ^2 /NDF: 35.3/40

Out: 697.492 $\pm$ 526.546 χ^2 /NDF: 51.8/45

All: 1199.230 $\pm$ 375.557 χ^2 /NDF: 88.9/86

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: 3022.631+/-0.784 χ^2/NDF : 1016971.0/20

Left In: 2541.950+/-0.430 χ^2/NDF :97238.4/22

Left: 2547.611+/-0.301 χ^2/NDF : 246010.6/47

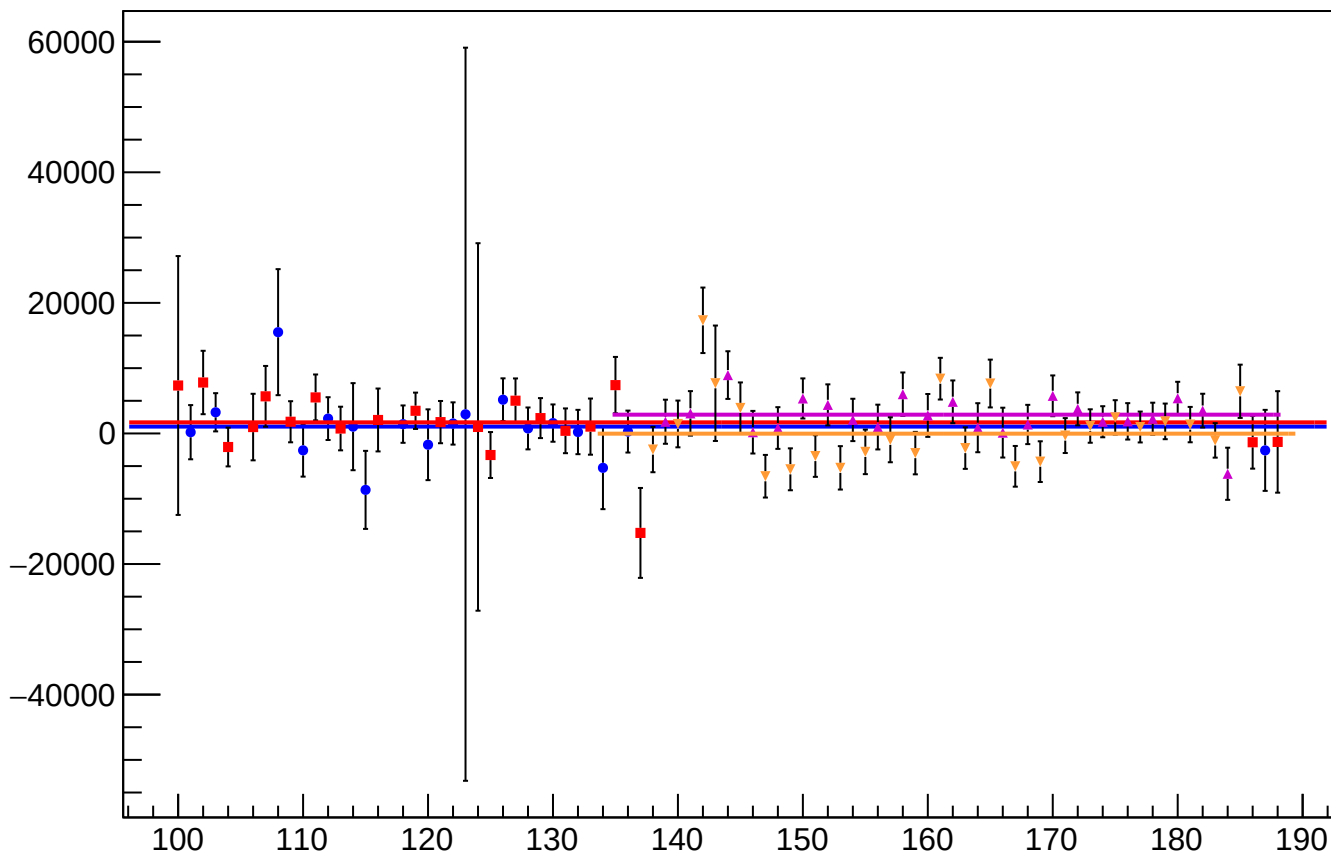
Right: 2963.768+/-0.561 χ^2/NDF : 1673564.1/38

In: 2622.183+/-0.379 χ^2/NDF :898731.1/40

Out: 2658.975+/-0.372 χ^2/NDF :1443153.3/45

All: 2640.900+/-0.266 χ^2/NDF : 2346681.6/86

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1050.520 $\pm$ 916.574 χ^2/NDF : 9.8/17

Left Out: -33.438 $\pm$ 633.677 χ^2/NDF : 47.5/24

Right Out: 1699.400 $\pm$ 861.181 χ^2/NDF : 17.4/20

Left In: 2875.319 $\pm$ 637.973 χ^2/NDF : 15.1/22

Left: 1411.114 $\pm$ 449.588 χ^2/NDF : 73.1/47

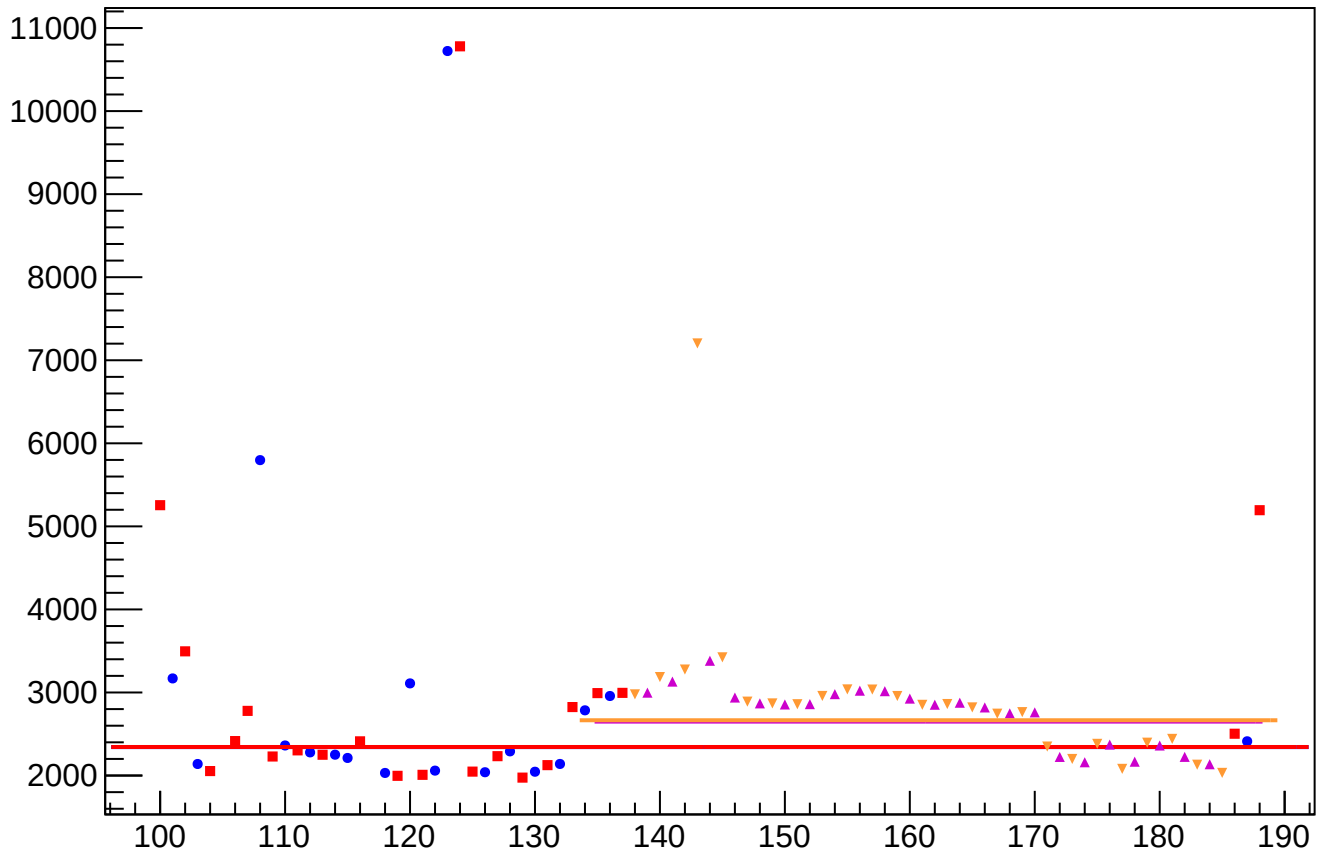
Right: 1395.159 $\pm$ 627.617 χ^2/NDF : 27.5/38

In: 2279.778 $\pm$ 523.620 χ^2/NDF : 27.6/40

Out: 575.228 $\pm$ 510.394 χ^2/NDF : 67.6/45

All: 1405.703 $\pm$ 365.489 χ^2/NDF : 100.6/86

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2342.436 $\pm$ 0.648 χ^2 /NDF: 600730.7/17

Left Out: 2665.559 $\pm$ 0.448 χ^2 /NDF:1218211.8/24

Right Out: 2343.697 $\pm$ 0.609 χ^2 /NDF: 843371.7/20

Left In: 2649.457 $\pm$ 0.451 χ^2 /NDF:643563.7/22

Left: 2657.563 $\pm$ 0.318 χ^2 /NDF: 1862416.8/47

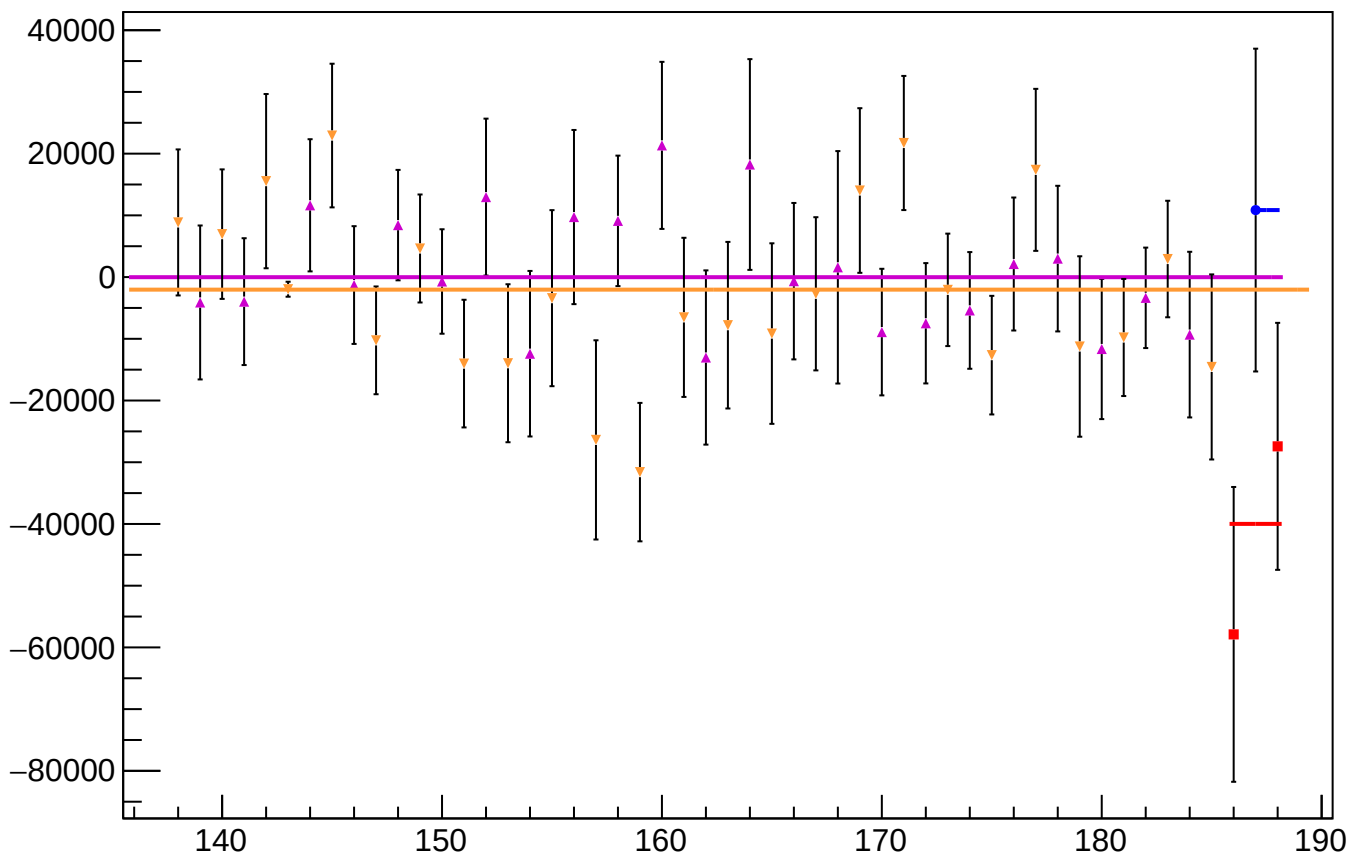
Right: 2343.107 $\pm$ 0.444 χ^2 /NDF: 1444104.5/38

In: 2549.258 $\pm$ 0.370 χ^2 /NDF:1395462.1/40

Out: 2552.401 $\pm$ 0.361 χ^2 /NDF:2242988.6/45

All: 2550.870 $\pm$ 0.258 χ^2 /NDF: 3638487.6/86

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: 10856.616 $\pm$ 26150.832 χ^2 /NDF: 0.0/0

Left Out: -2034.509 $\pm$ 1076.795 χ^2 /NDF:32.9/24

Right Out: -39988.539 $\pm$ 15337.847 χ^2 /NDF: 1.0/1

Left In: -16.509 $\pm$ 2317.578 χ^2 /NDF:13.4/22

Left: -1676.223 $\pm$ 976.538 χ^2 /NDF: 46.9/47

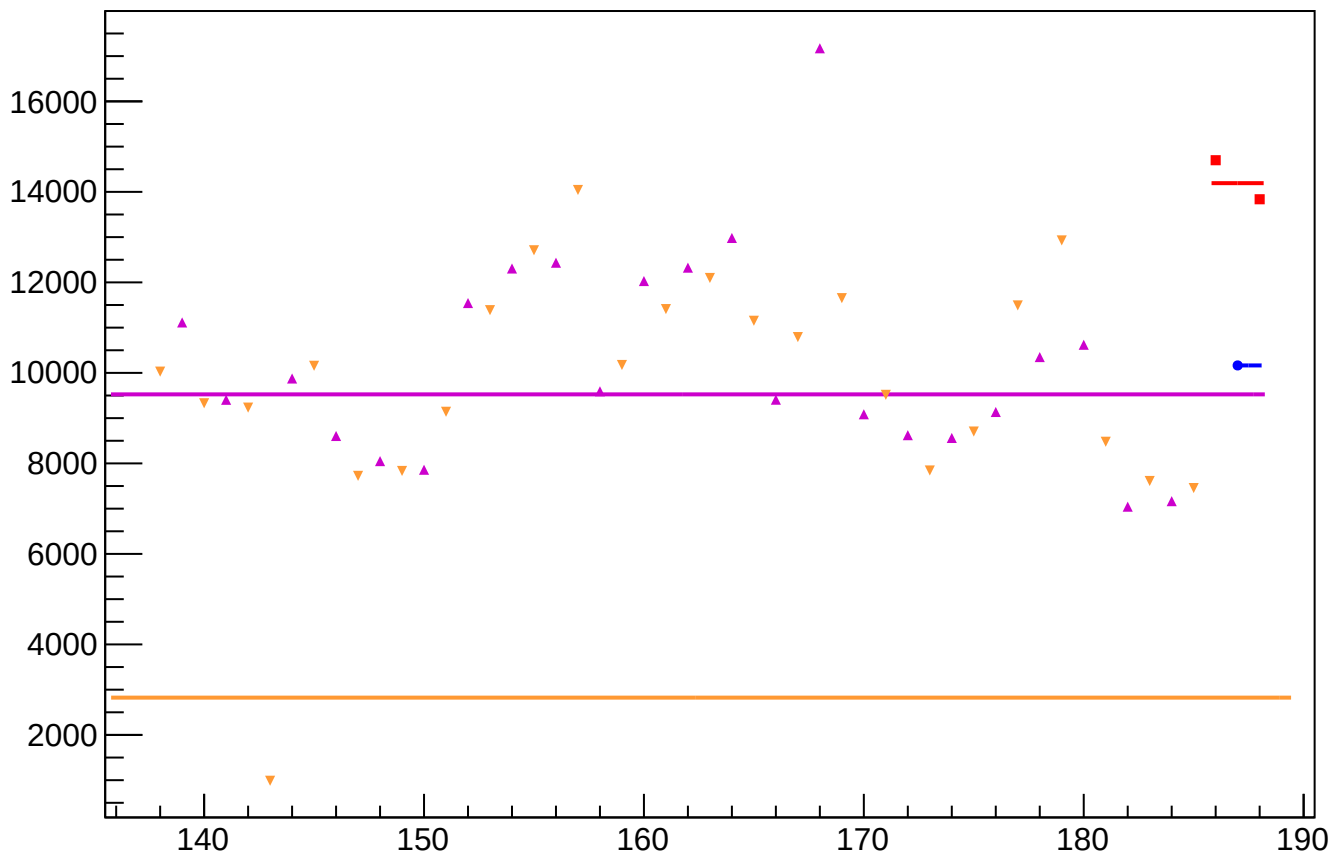
Right: -26974.615 $\pm$ 13230.153 χ^2 /NDF: 3.8/2

In: 68.224 $\pm$ 2308.530 χ^2 /NDF:13.6/23

Out: -2220.658 $\pm$ 1074.151 χ^2 /NDF:39.9/26

All: -1813.305 $\pm$ 973.889 χ^2 /NDF: 54.3/50

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 10164.727 $\pm$ 18.491 χ^2 /NDF: 0.0/0

Left Out: 2824.184 $\pm$ 0.761 χ^2 /NDF:22547216.3/24

Right Out: 14192.552 $\pm$ 10.845 χ^2 /NDF: 1533.1/1

Left In: 9525.431 $\pm$ 1.639 χ^2 /NDF:1286488.6/22

Left: 4013.960 $\pm$ 0.691 χ^2 /NDF: 37586289.6/47

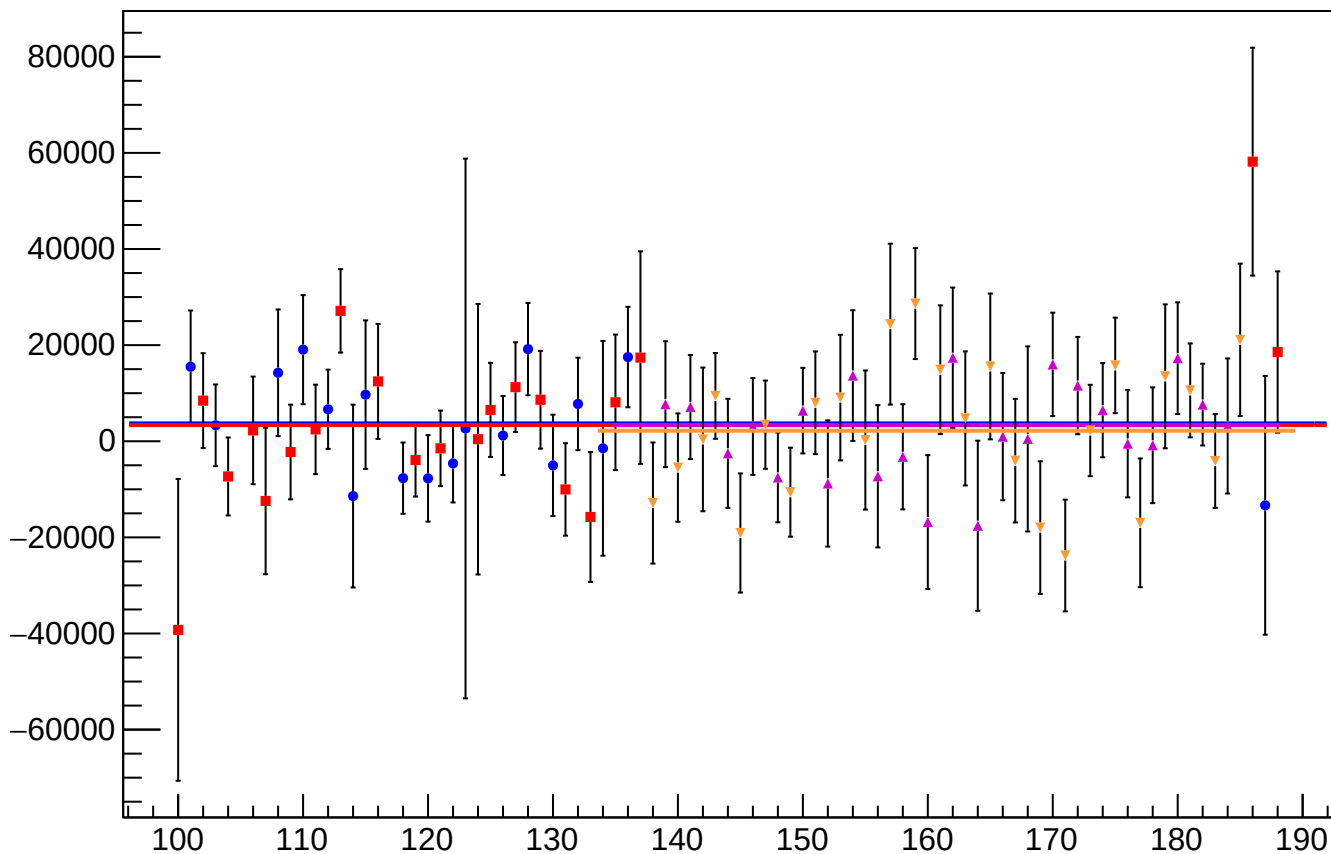
Right: 13161.622 $\pm$ 9.355 χ^2 /NDF: 36835.2/2

In: 9530.413 $\pm$ 1.632 χ^2 /NDF:1287674.6/23

Out: 2879.941 $\pm$ 0.760 χ^2 /NDF:23642106.7/26

All: 4063.527 $\pm$ 0.689 χ^2 /NDF: 38574081.7/50

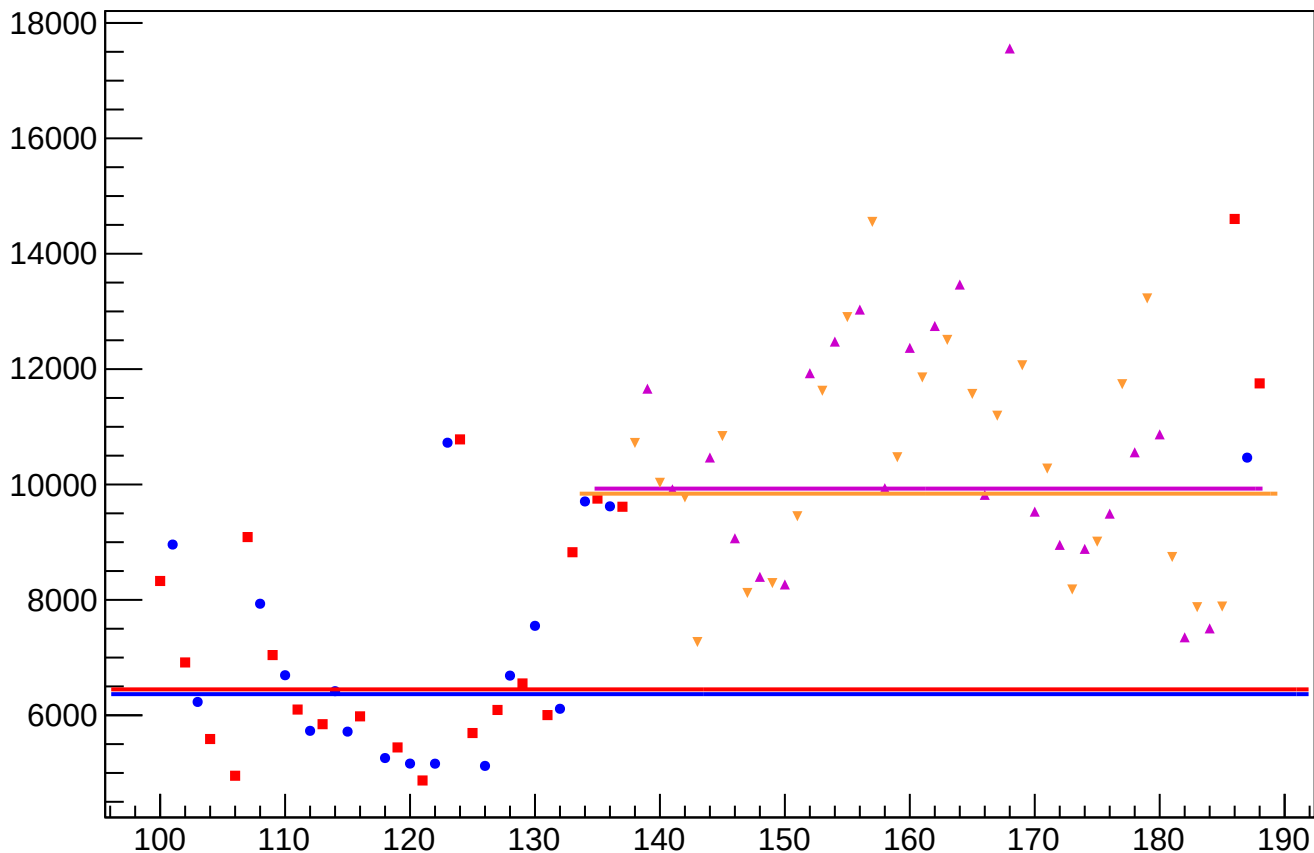
asym_atl2_mean vs Slug, Sign Corrected



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: 3370.796 $\pm$ 2384.351 χ^2 /NDF: 26.3/20
 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: 3533.428 $\pm$ 1724.757 χ^2 /NDF: 41.5/38
 In: 3531.226 $\pm$ 1735.821 χ^2 /NDF:28.0/40
 Out: 2772.313 $\pm$ 1672.486 χ^2 /NDF:57.6/45
 All: 3137.672 $\pm$ 1204.394 χ^2 /NDF: 85.7/86

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6365.887 $\pm$ 1.766 χ^2/NDF : 640173.3/17

Left Out: 9841.227 $\pm$ 1.659 χ^2/NDF : 1184767.7/24

Right Out: 6448.727 $\pm$ 1.686 χ^2/NDF : 984612.6/20

Left In: 9928.662 $\pm$ 1.707 χ^2/NDF : 1220804.9/22

Left: 9883.710 $\pm$ 1.190 χ^2/NDF : 2406921.7/47

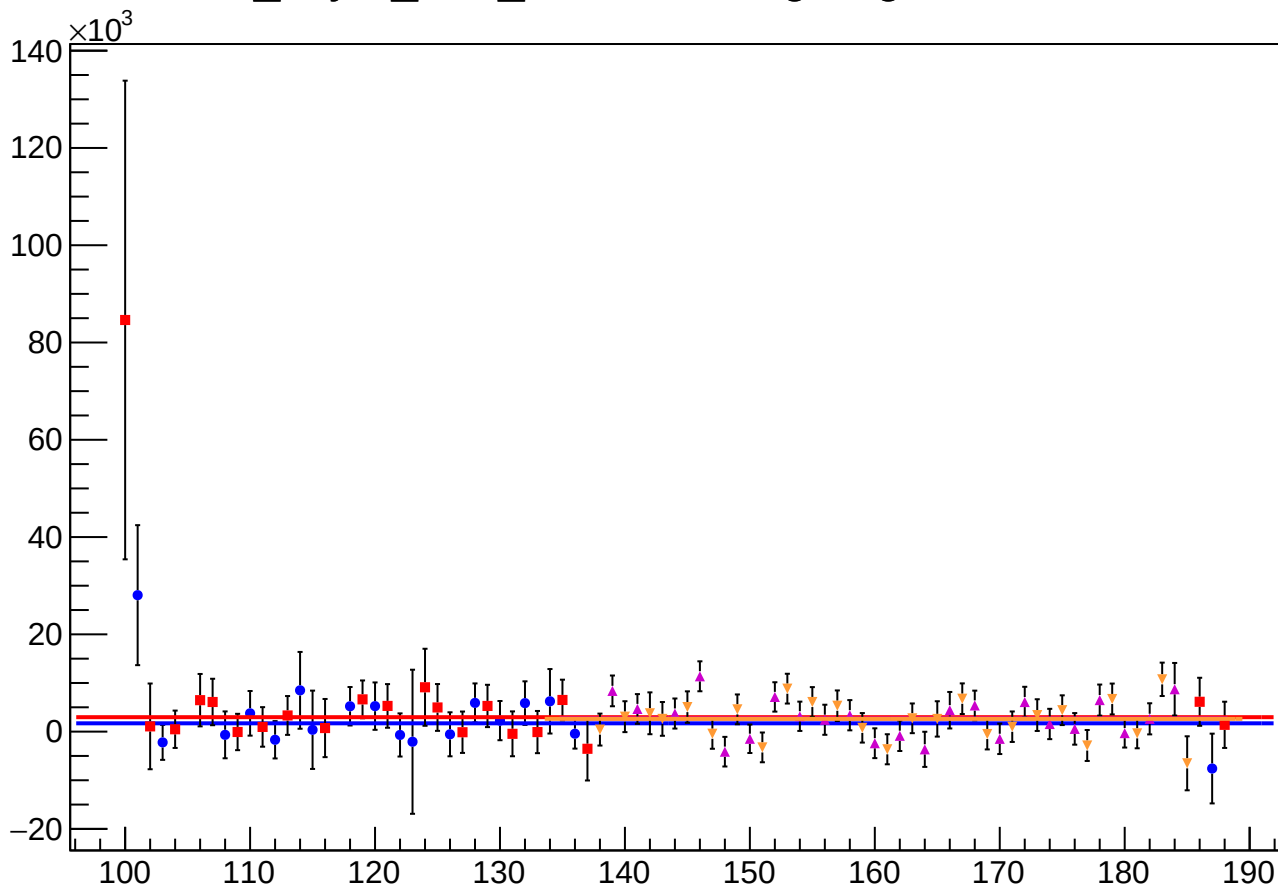
Right: 6409.236 $\pm$ 1.220 χ^2/NDF : 1625936.9/38

In: 8208.265 $\pm$ 1.227 χ^2/NDF : 3964899.0/40

Out: 8171.967 $\pm$ 1.183 χ^2/NDF : 4226189.3/45

All: 8189.441 $\pm$ 0.852 χ^2/NDF : 8191541.8/86

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1706.637 $\pm$ 1114.555 χ^2/NDF : 13.1/17

Left Out: 2627.213 $\pm$ 648.505 χ^2/NDF : 34.0/24

Right Out: 2967.797 $\pm$ 1035.919 χ^2/NDF : 11.1/20

Left In: 2701.915 $\pm$ 662.347 χ^2/NDF : 36.3/22

Left: 2663.776 $\pm$ 463.379 χ^2/NDF : 70.3/47

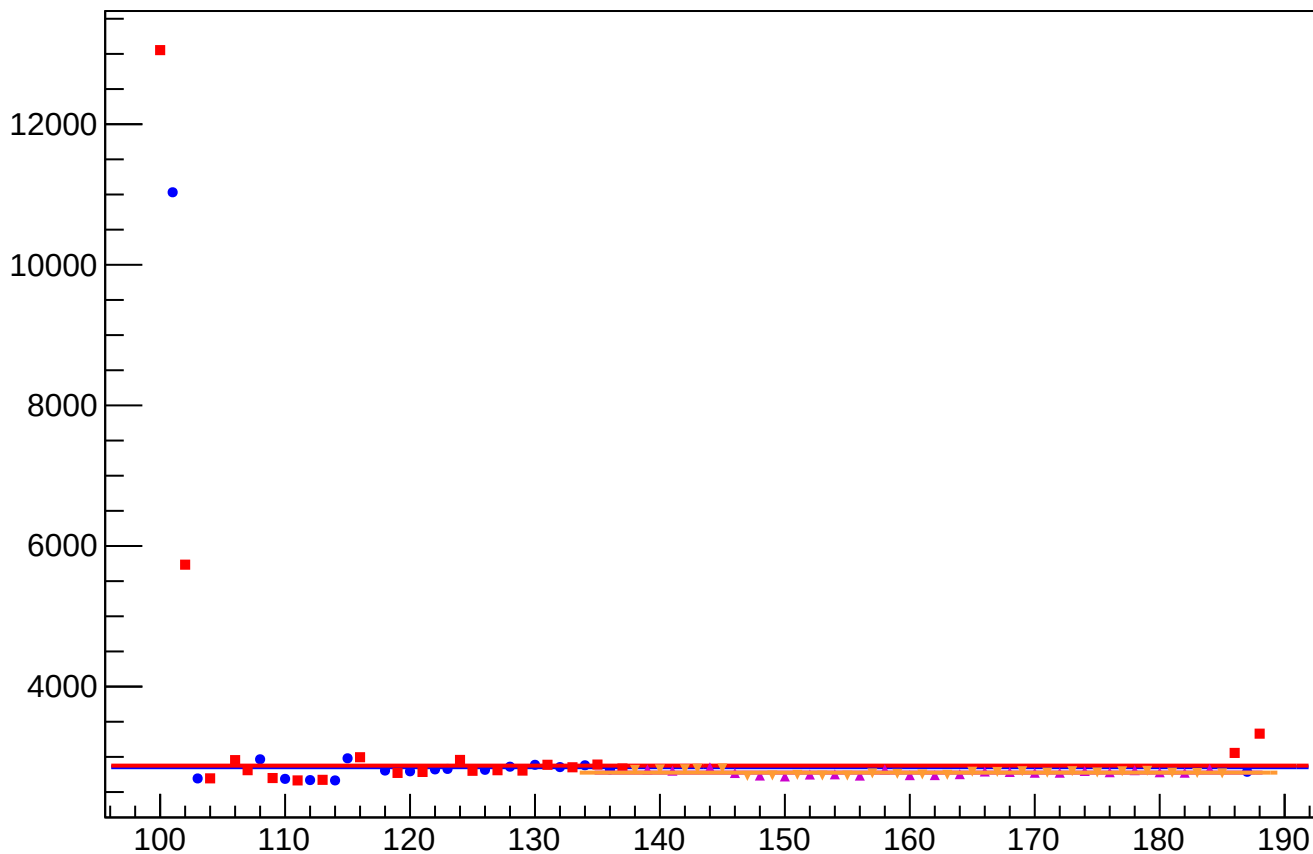
Right: 2383.272 $\pm$ 758.784 χ^2/NDF : 24.9/38

In: 2442.160 $\pm$ 569.392 χ^2/NDF : 49.9/40

Out: 2723.107 $\pm$ 549.679 χ^2/NDF : 45.2/45

All: 2587.581 $\pm$ 395.467 χ^2/NDF : 95.2/86

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2853.496+/-0.788 χ^2/NDF : 661075.0/17

Left Out: 2776.087+/-0.459 χ^2/NDF : 4817.3/24

Right Out: 2875.877+/-0.733 χ^2/NDF : 342070.2/20

Left In: 2776.540+/-0.468 χ^2/NDF : 5153.9/22

Left: 2776.309+/-0.328 χ^2/NDF : 9971.7/47

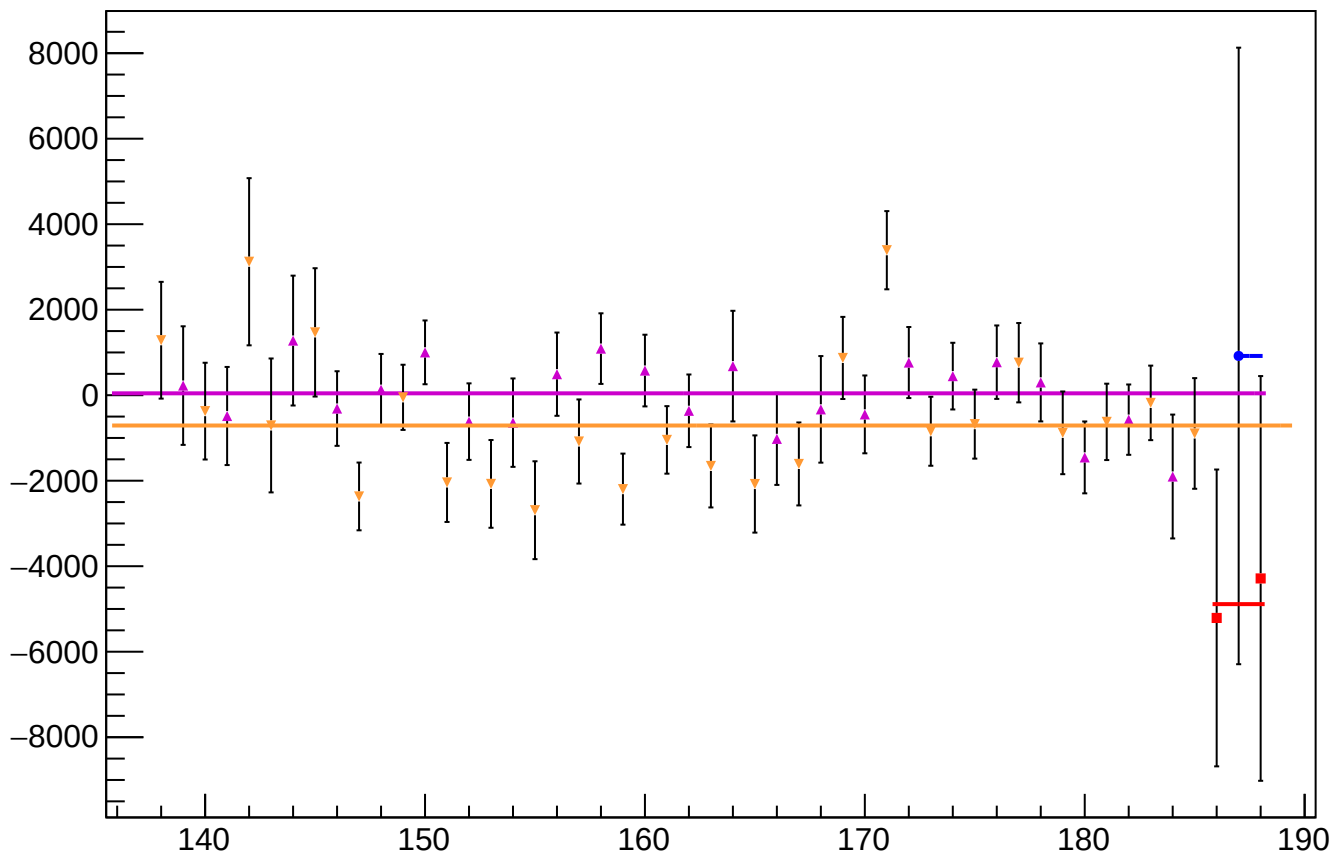
Right: 2865.503+/-0.537 χ^2/NDF : 1003577.9/38

In: 2796.624+/-0.403 χ^2/NDF : 673275.3/40

Out: 2804.184+/-0.389 χ^2/NDF : 360220.8/45

All: 2800.537+/-0.280 χ^2/NDF : 1033678.6/86

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: 918.202 ± 7210.752 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -708.890 ± 194.780 $\chi^2/\text{NDF}: 52.7/24$

Right Out: -4886.837 ± 2799.493 $\chi^2/\text{NDF}: 0.0/1$

Left In: 43.842 ± 195.751 $\chi^2/\text{NDF}: 15.1/22$

Left: -334.397 ± 138.072 $\chi^2/\text{NDF}: 75.2/47$

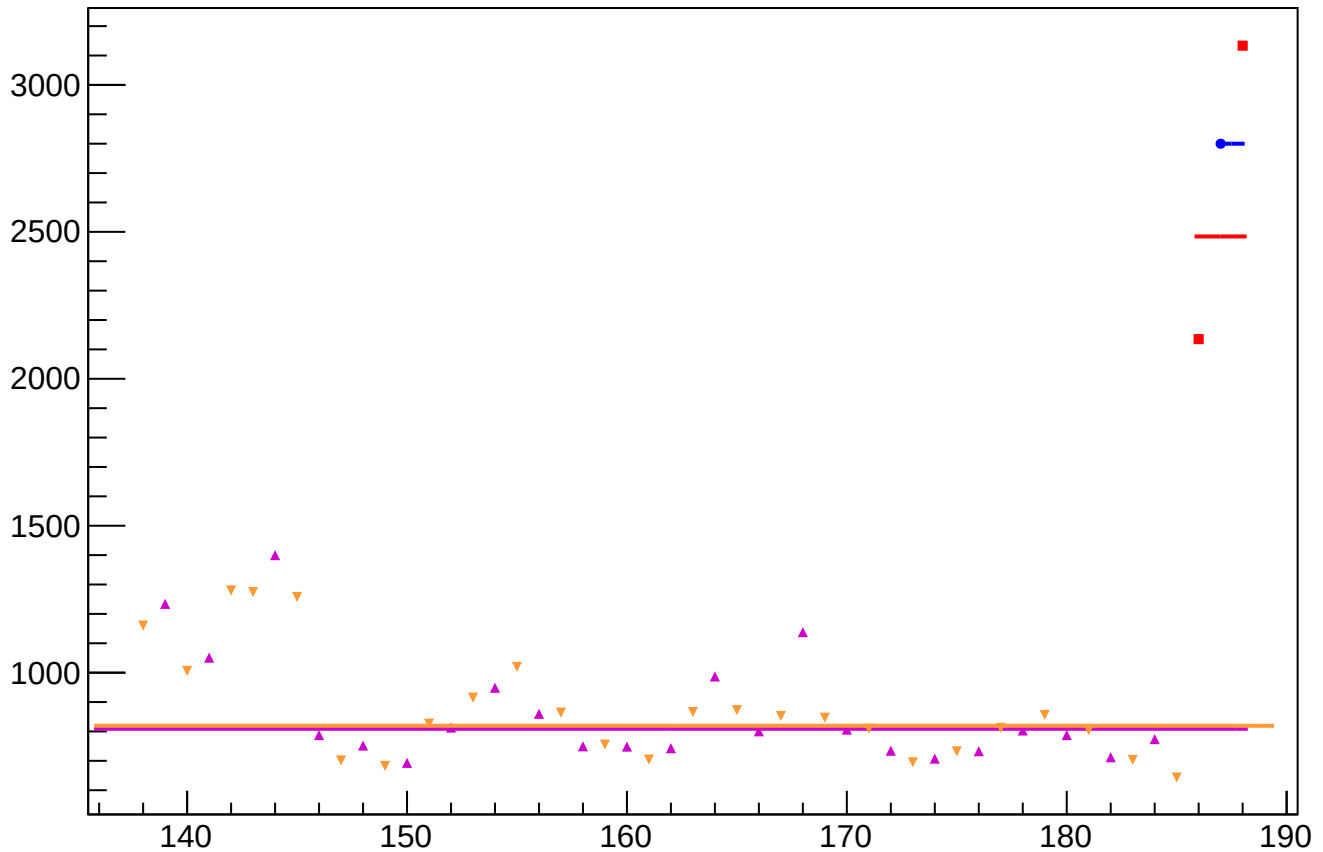
Right: -4126.459 ± 2609.713 $\chi^2/\text{NDF}: 0.6/2$

In: 44.486 ± 195.679 $\chi^2/\text{NDF}: 15.1/23$

Out: -729.018 ± 194.310 $\chi^2/\text{NDF}: 54.9/26$

All: -344.982 ± 137.879 $\chi^2/\text{NDF}: 77.9/50$

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 2799.943+/-5.099 χ^2/NDF : 0.0/0

Left Out: 819.303+/-0.138 χ^2/NDF :1035261.7/24

Right Out: 2484.307+/-1.980 χ^2/NDF : 57873.7/1

Left In: 809.059+/-0.138 χ^2/NDF :986677.0/22

Left: 814.207+/-0.098 χ^2/NDF : 2024690.9/47

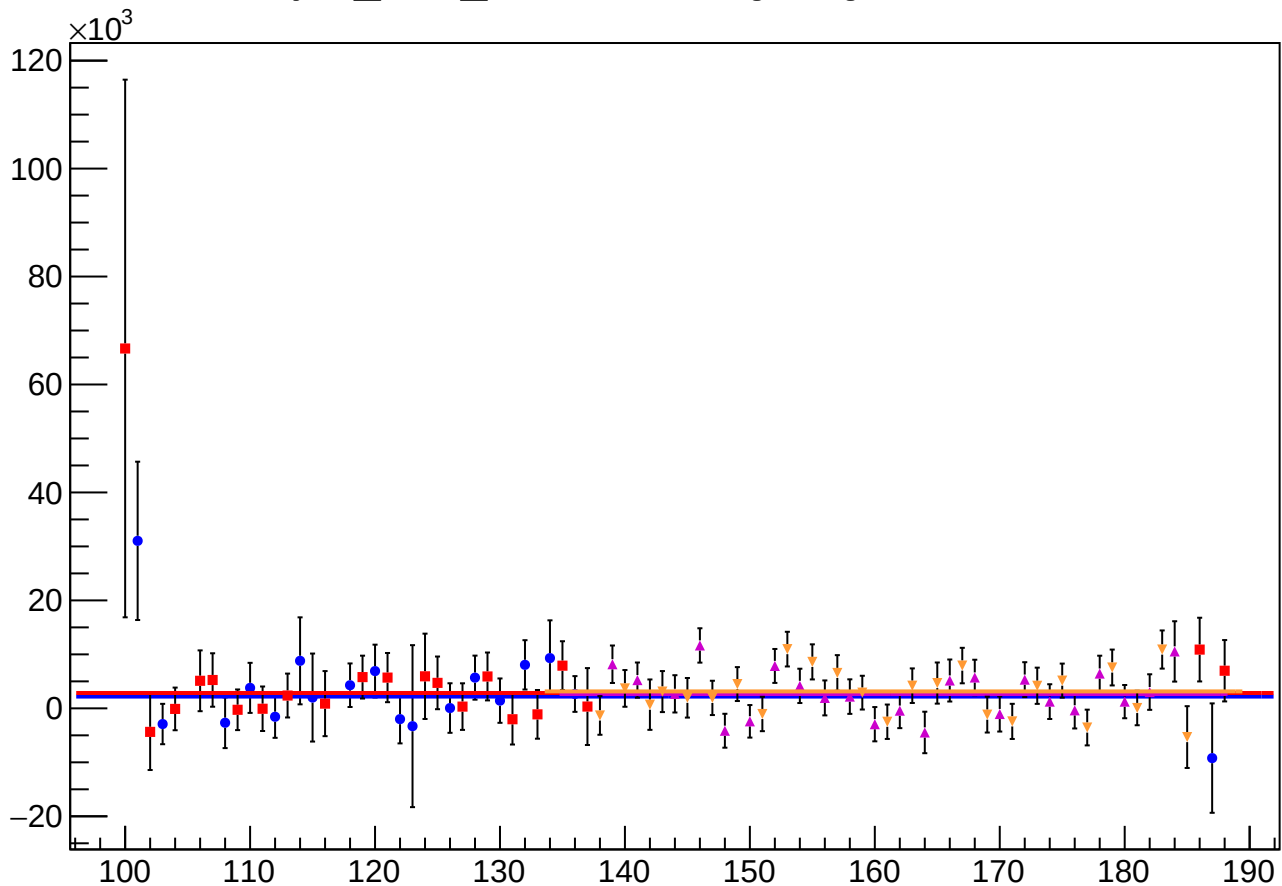
Right: 2525.651+/-1.845 χ^2/NDF : 61203.9/2

In: 810.526+/-0.138 χ^2/NDF :1139026.4/23

Out: 827.325+/-0.137 χ^2/NDF :1797187.2/26

All: 818.984+/-0.097 χ^2/NDF : 2943635.4/50

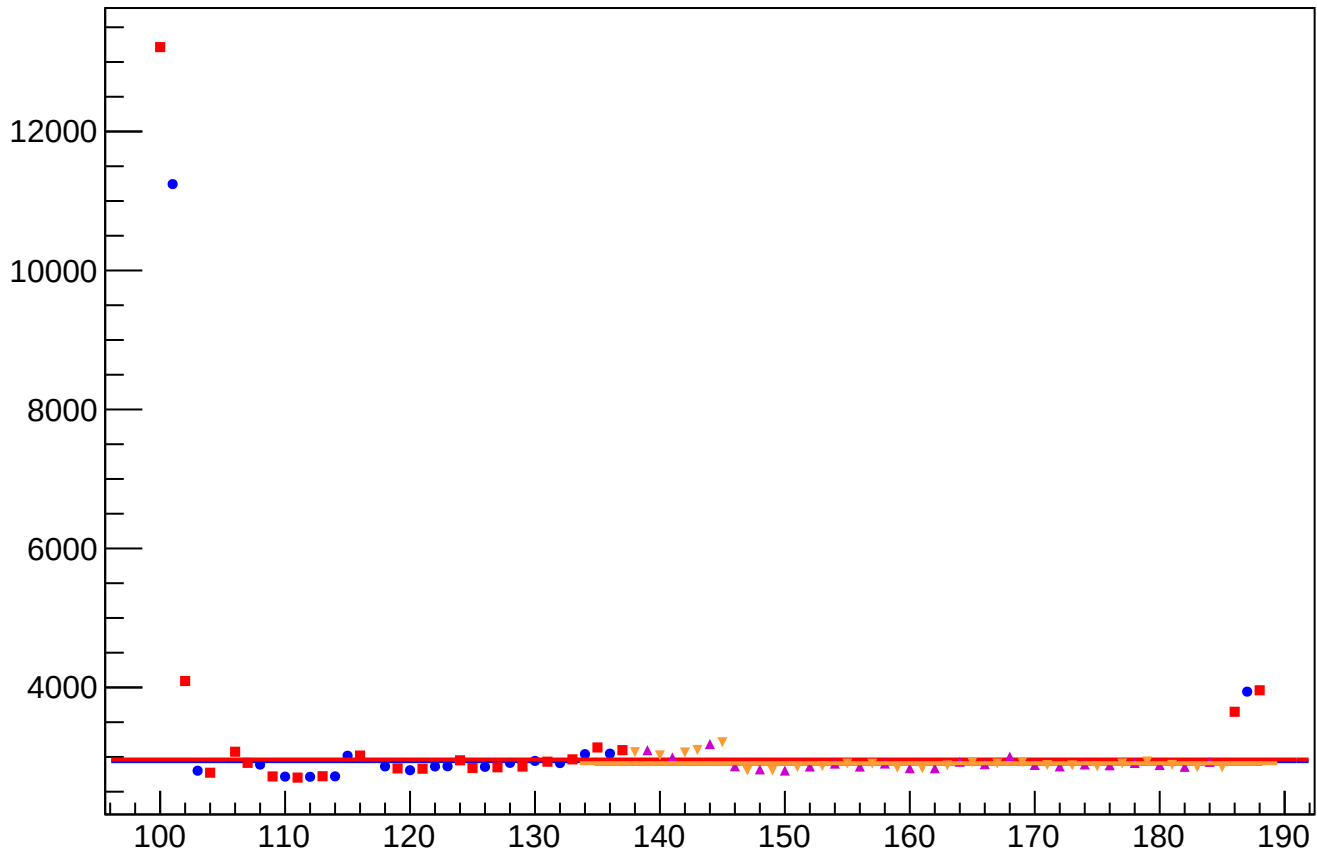
asym_atr1_mean vs Slug, Sign Corrected



Right In: 2181.677 $\pm$ 1149.096 χ^2 /NDF: 15.7/17
 Left Out: 3139.358 $\pm$ 680.222 χ^2 /NDF:38.3/24
 Right Out: 2845.532 $\pm$ 1071.398 χ^2 /NDF: 12.6/20
 Left In: 2659.828 $\pm$ 693.121 χ^2 /NDF:36.9/22

Left: 2904.096 $\pm$ 485.486 χ^2 /NDF: 75.4/47
 Right: 2536.805 $\pm$ 783.622 χ^2 /NDF: 28.5/38
 In: 2532.269 $\pm$ 593.510 χ^2 /NDF:52.7/40
 Out: 3054.946 $\pm$ 574.260 χ^2 /NDF:50.9/45
 All: 2802.221 $\pm$ 412.701 χ^2 /NDF: 104.0/86

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: 2963.133+/-0.758 χ^2/NDF : 264697.3/20

Left In: 2904.499+/-0.490 χ^2/NDF : 30423.1/22

Left: 2907.485+/-0.343 χ^2/NDF : 66576.4/47

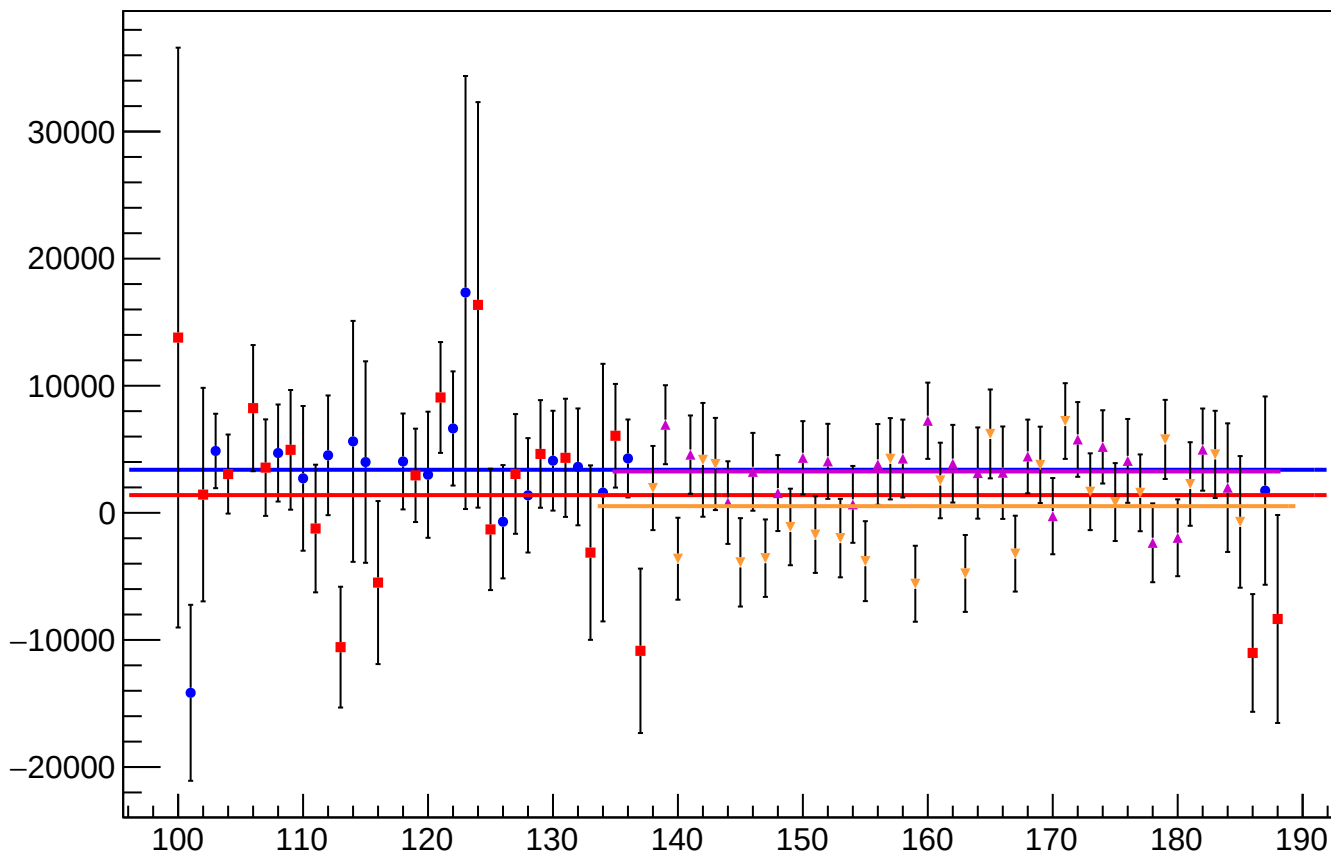
Right: 2952.204+/-0.554 χ^2/NDF : 947660.6/38

In: 2913.872+/-0.420 χ^2/NDF : 714309.9/40

Out: 2925.522+/-0.406 χ^2/NDF : 304235.8/45

All: 2919.889+/-0.292 χ^2/NDF : 1018943.7/86

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3389.084 $\pm$ 1104.780 χ^2 /NDF: 9.4/17

Left Out: 525.603 $\pm$ 642.362 χ^2 /NDF:34.5/24

Right Out: 1395.742 $\pm$ 1071.379 χ^2 /NDF: 30.7/20

Left In: 3254.085 $\pm$ 652.364 χ^2 /NDF:14.8/22

Left: 1868.769 $\pm$ 457.714 χ^2 /NDF: 58.2/47

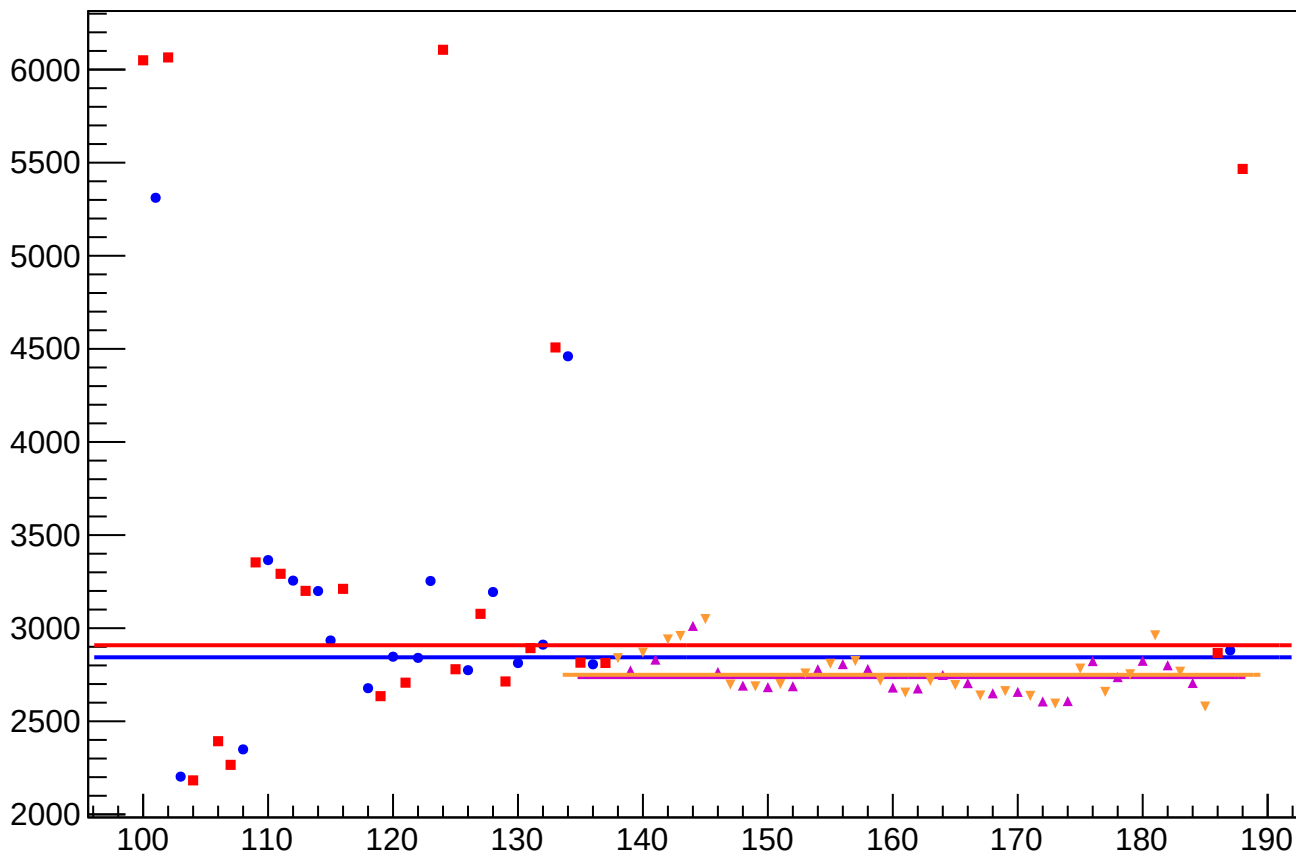
Right: 2361.825 $\pm$ 769.116 χ^2 /NDF: 41.8/38

In: 3288.987 $\pm$ 561.740 χ^2 /NDF:24.2/40

Out: 755.688 $\pm$ 550.927 χ^2 /NDF:65.7/45

All: 1997.721 $\pm$ 393.331 χ^2 /NDF: 100.2/86

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2843.707 $\pm$ 0.781 χ^2/NDF : 488164.5/17

Left Out: 2749.662 $\pm$ 0.454 χ^2/NDF : 61223.5/24

Right Out: 2908.335 $\pm$ 0.757 χ^2/NDF : 959665.5/20

Left In: 2737.277 $\pm$ 0.461 χ^2/NDF : 36772.0/22

Left: 2743.565 $\pm$ 0.324 χ^2/NDF : 98361.6/47

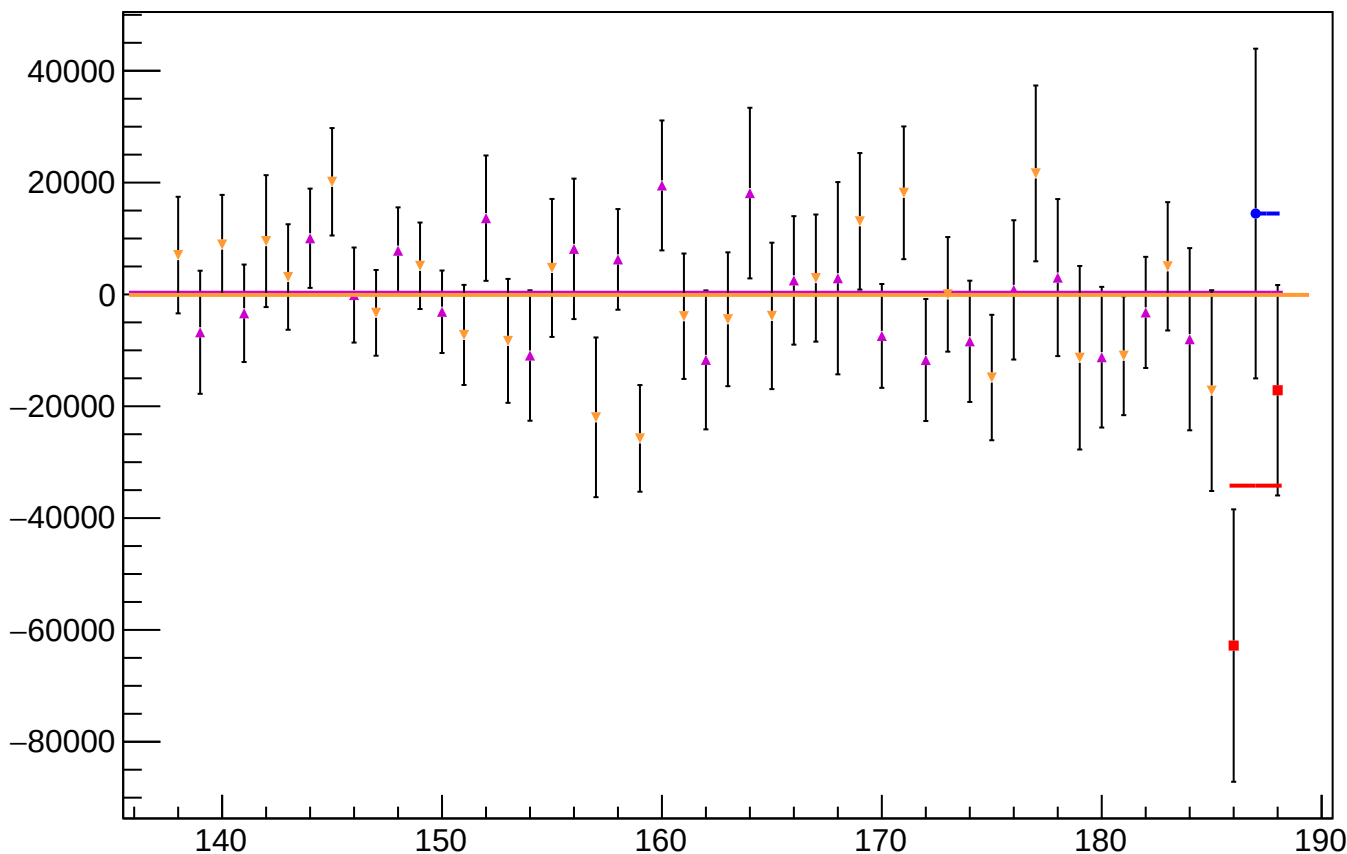
Right: 2877.025 $\pm$ 0.544 χ^2/NDF : 1451358.4/38

In: 2764.793 $\pm$ 0.397 χ^2/NDF : 538699.1/40

Out: 2791.642 $\pm$ 0.390 χ^2/NDF : 1053175.4/45

All: 2778.479 $\pm$ 0.278 χ^2/NDF : 1594203.6/86

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: 14469.298+/-29482.124 χ^2/NDF : 0.0/0

Left Out: -82.636+/-2156.495 χ^2/NDF : 28.5/24

Right Out: -34197.660+/-14891.981 χ^2/NDF : 2.2/1

Left In: 302.846+/-2201.549 χ^2/NDF : 15.0/22

Left: 106.120+/-1540.554 χ^2/NDF : 43.5/47

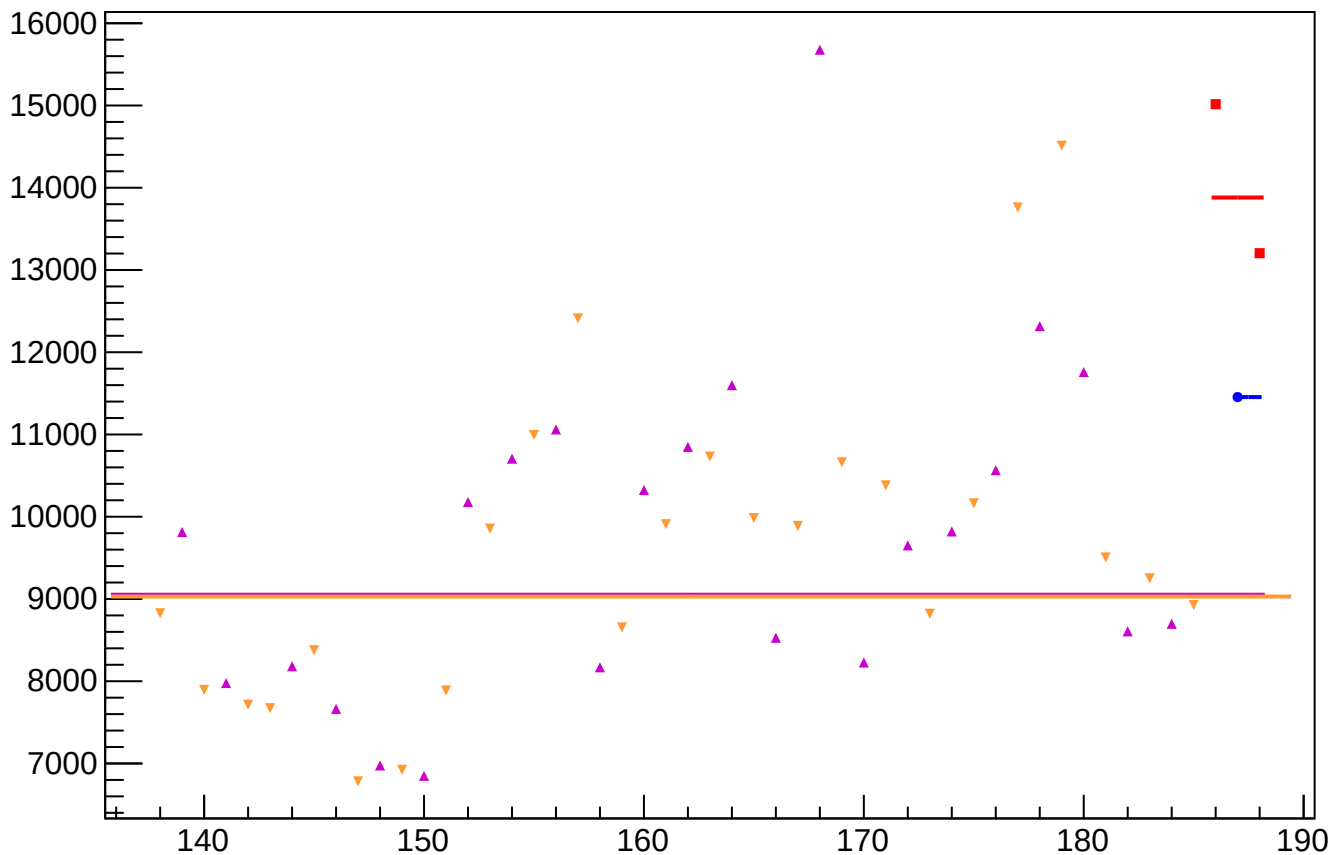
Right: -24304.669+/-13292.464 χ^2/NDF : 4.4/2

In: 381.403+/-2195.436 χ^2/NDF : 15.3/23

Out: -783.324+/-2134.234 χ^2/NDF : 35.8/26

All: -217.421+/-1530.311 χ^2/NDF : 51.2/50

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 11454.769+/-20.847 χ^2/NDF : 0.0/0

Left Out: 9029.768+/-1.525 χ^2/NDF :1205548.5/24

Right Out: 13881.099+/-10.530 χ^2/NDF : 6928.2/1

Left In: 9051.613+/-1.557 χ^2/NDF :1255222.8/22

Left: 9040.465+/-1.089 χ^2/NDF : 2460871.9/47

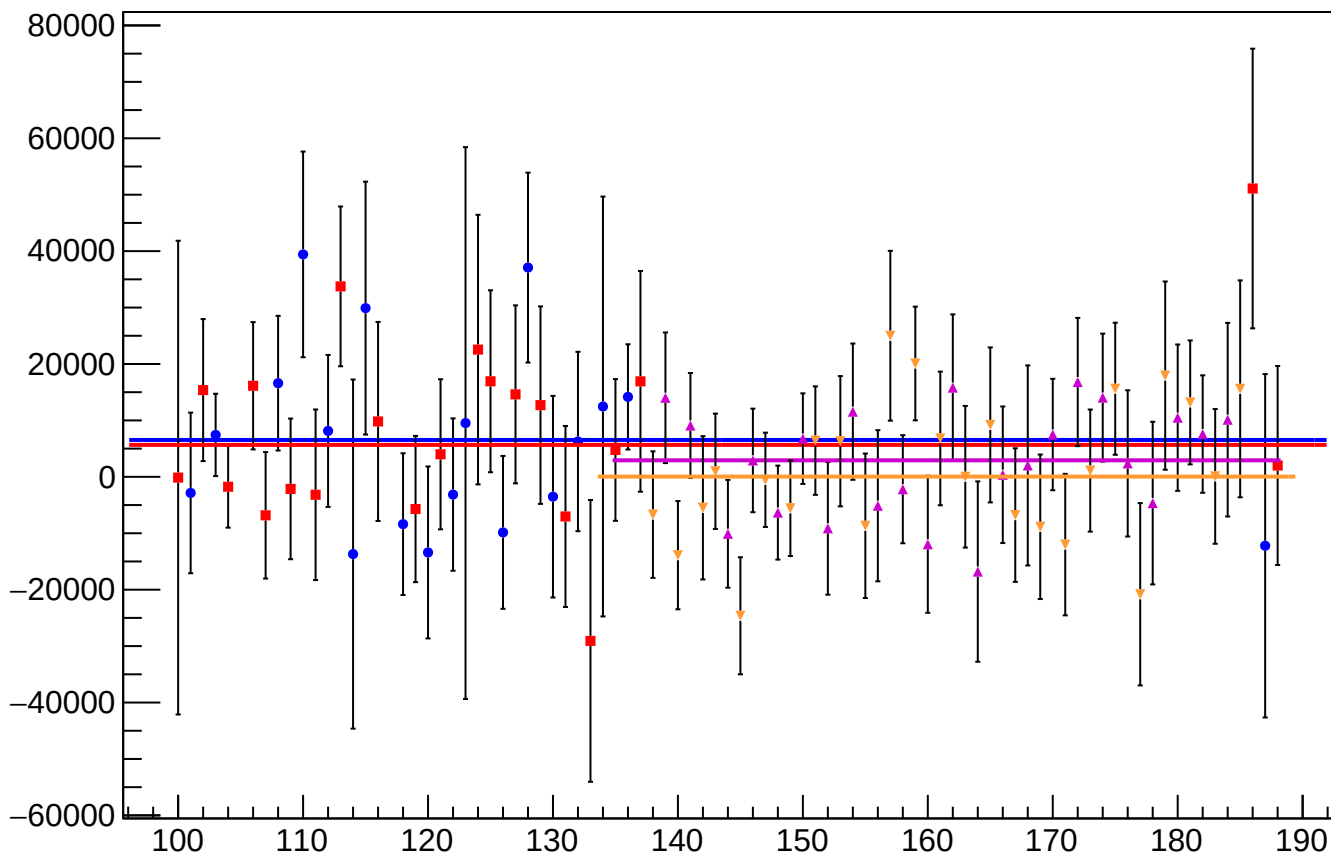
Right: 13387.876+/-9.399 χ^2/NDF : 17720.6/2

In: 9064.939+/-1.552 χ^2/NDF :1268437.7/23

Out: 9129.409+/-1.509 χ^2/NDF :1420366.9/26

All: 9098.085+/-1.082 χ^2/NDF : 2689691.3/50

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: 5665.713+/-3093.333 χ^2/NDF : 17.0/20

Left In: 2925.533+/-2330.587 χ^2/NDF : 14.6/22

Left: 1459.628+/-1633.750 χ^2/NDF : 41.2/47

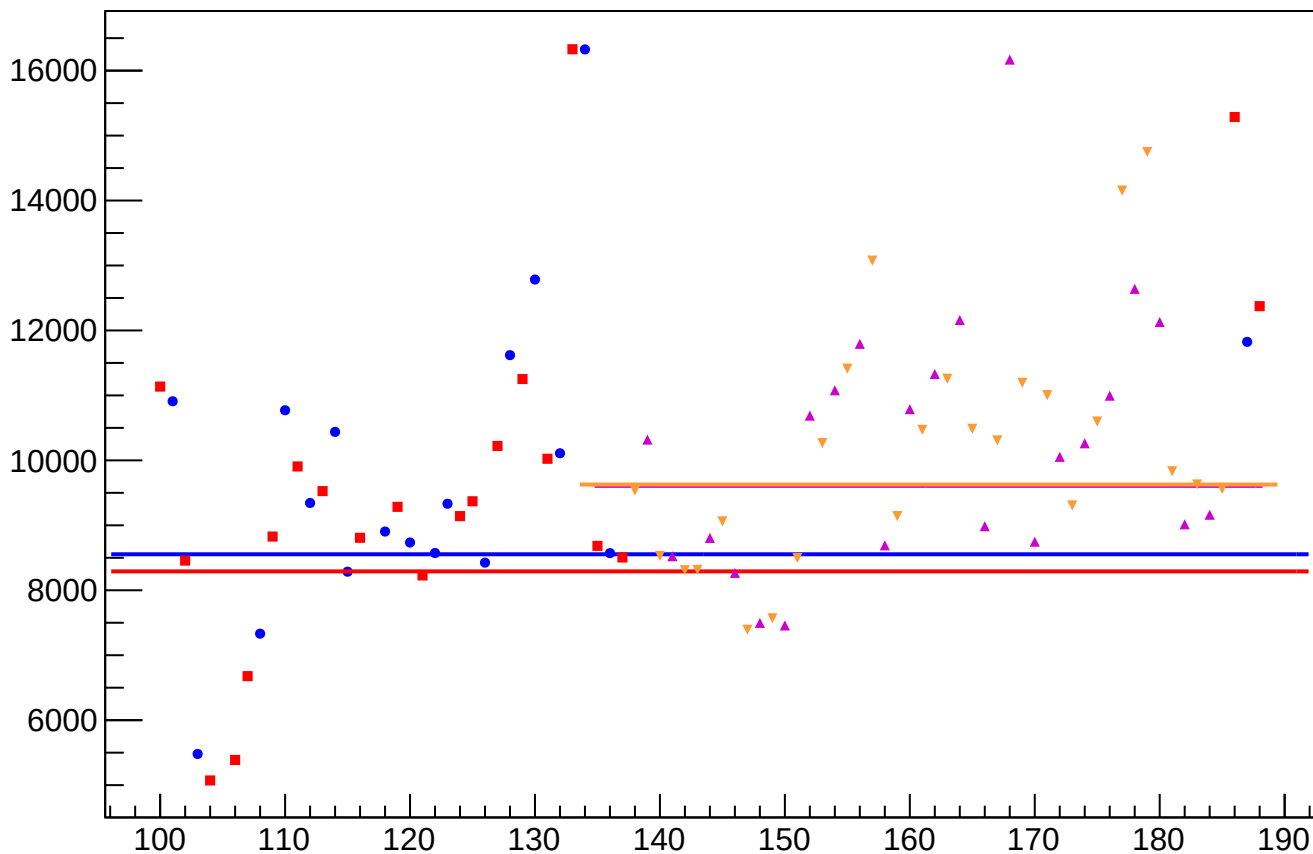
Right: 6063.723+/-2277.730 χ^2/NDF : 32.8/38

In: 4095.054+/-1916.180 χ^2/NDF : 31.1/40

Out: 2034.724+/-1840.982 χ^2/NDF : 45.0/45

All: 3023.669+/-1327.560 χ^2/NDF : 76.8/86

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: 8290.771 $\pm$ 2.187 χ^2 /NDF: 1230985.9/20

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

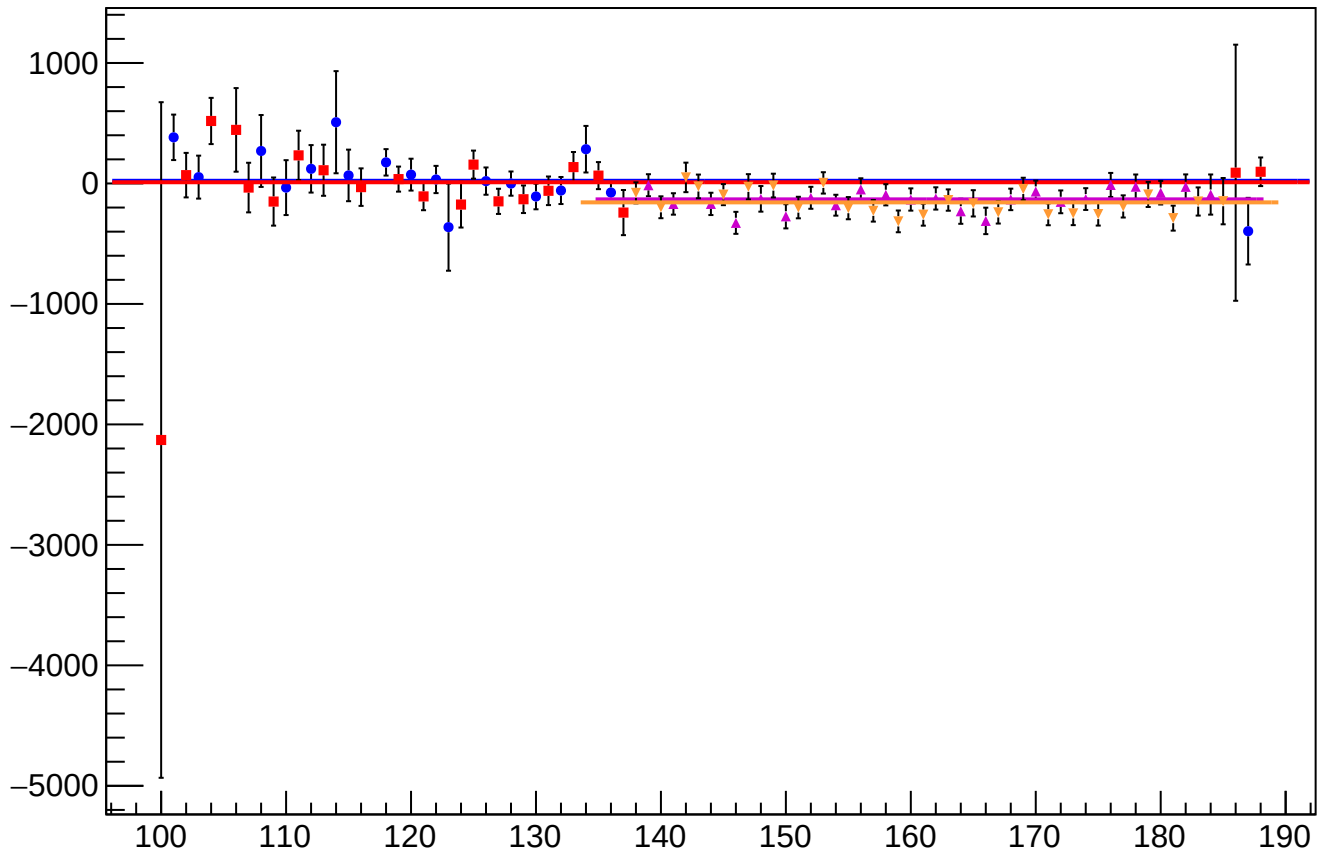
Right: 8411.359 $\pm$ 1.611 χ^2 /NDF: 2023625.3/38

In: 9266.254 $\pm$ 1.355 χ^2 /NDF:2003843.6/40

Out: 9154.222 $\pm$ 1.302 χ^2 /NDF:2476947.3/45

All: 9207.996 $\pm$ 0.939 χ^2 /NDF: 4484346.0/86

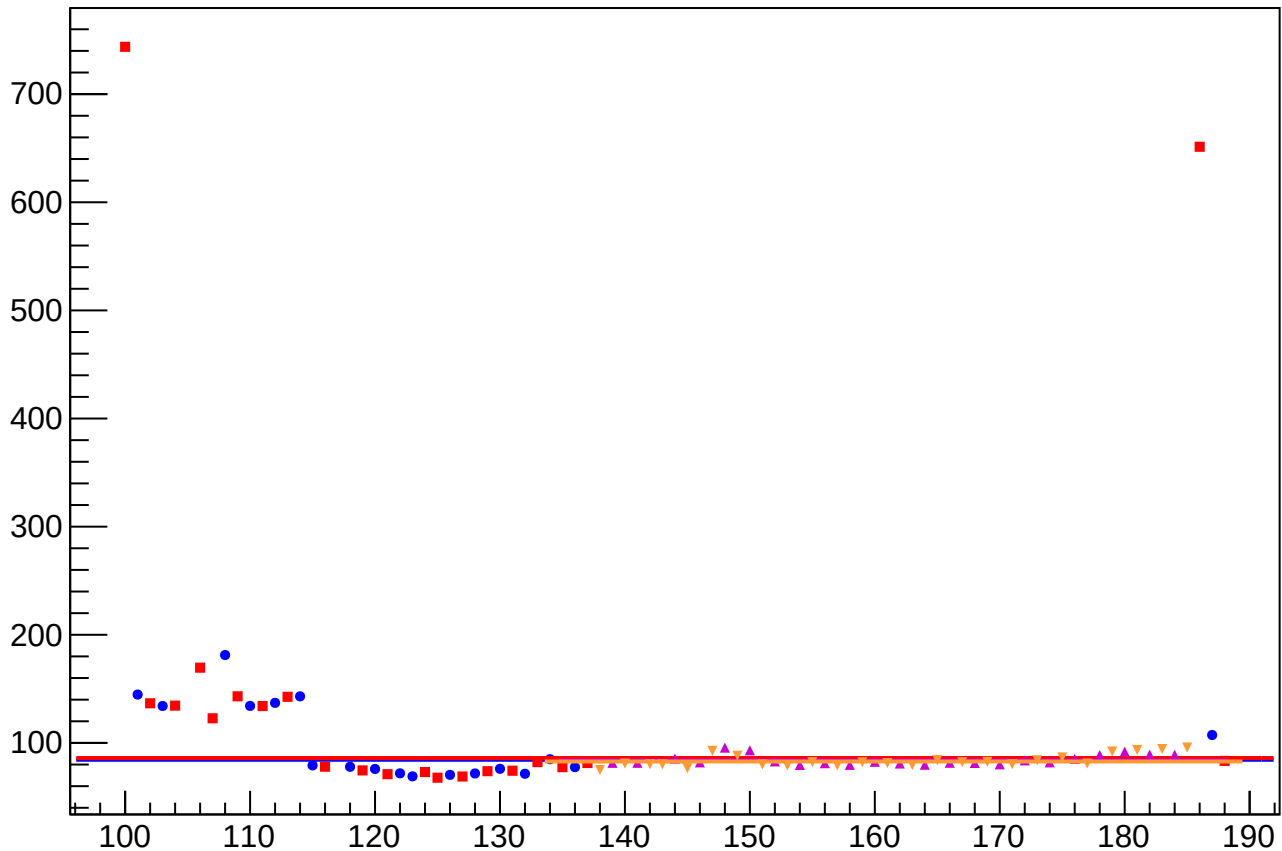
dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 22.101 ± 33.432 $\chi^2/\text{NDF}: 16.8/17$
 Left Out: -156.954 ± 19.364 $\chi^2/\text{NDF}: 26.0/24$
 Right Out: 10.040 ± 32.397 $\chi^2/\text{NDF}: 22.9/20$
 Left In: -132.100 ± 20.015 $\chi^2/\text{NDF}: 17.9/22$

Left: -144.938 ± 13.917 $\chi^2/\text{NDF}: 44.7/47$
 Right: 15.881 ± 23.265 $\chi^2/\text{NDF}: 39.7/38$
 In: -91.414 ± 17.173 $\chi^2/\text{NDF}: 50.4/40$
 Out: -112.998 ± 16.621 $\chi^2/\text{NDF}: 68.4/45$
 All: -102.558 ± 11.943 $\chi^2/\text{NDF}: 119.6/86$

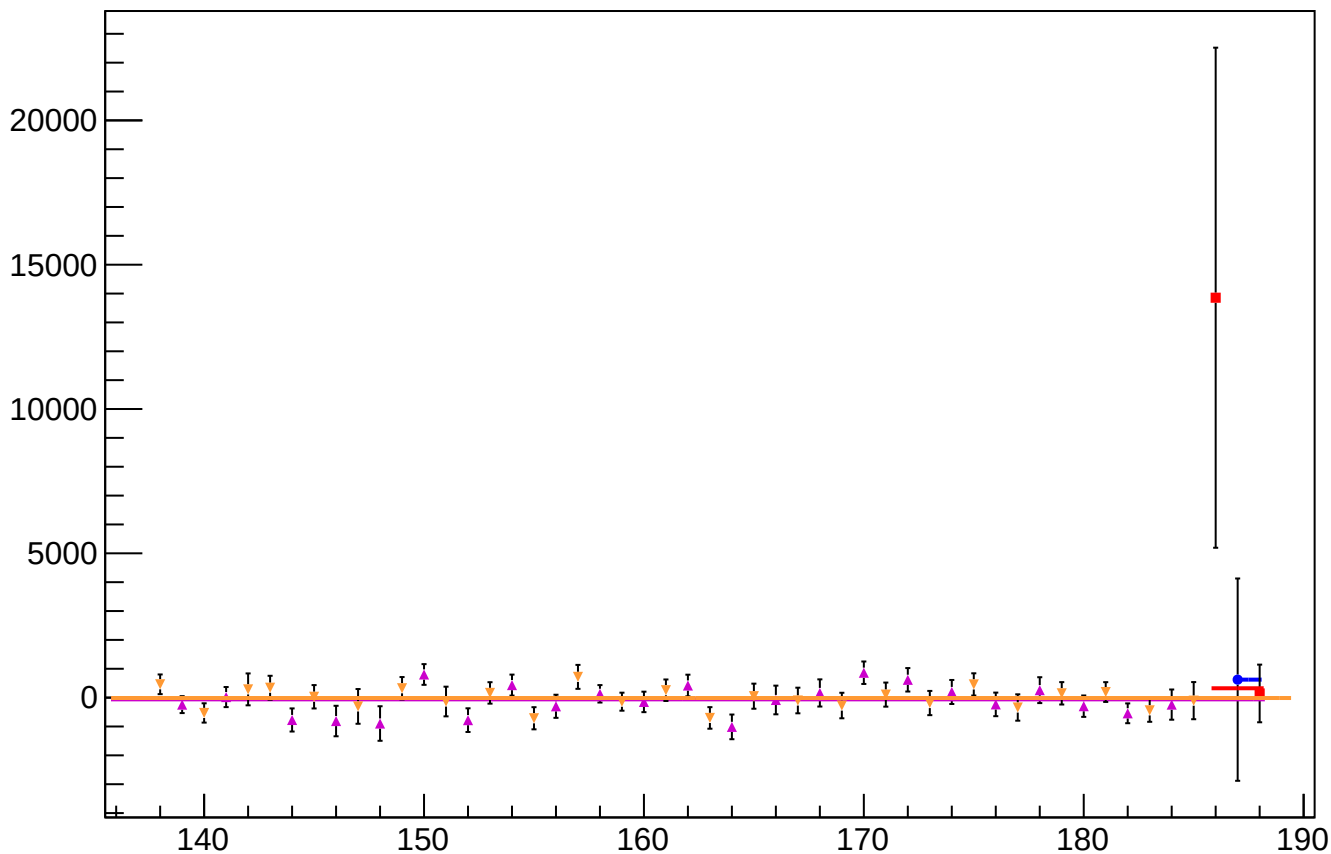
dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.406 $\pm$ 0.024 χ^2 /NDF: 1019746.6/17
 Left Out: 82.818 $\pm$ 0.014 χ^2 /NDF:135988.7/24
 Right Out: 86.022 $\pm$ 0.023 χ^2 /NDF: 1782165.5/20
 Left In: 83.857 $\pm$ 0.014 χ^2 /NDF:94568.8/22

Left: 83.320 $\pm$ 0.010 χ^2 /NDF: 233340.1/47
 Right: 85.240 $\pm$ 0.016 χ^2 /NDF: 2804322.0/38
 In: 84.002 $\pm$ 0.012 χ^2 /NDF:1114713.5/40
 Out: 83.661 $\pm$ 0.012 χ^2 /NDF:1932571.7/45
 All: 83.826 $\pm$ 0.008 χ^2 /NDF: 3047690.8/86

asym_sam1_correction_mean vs Slug, Sign Corrected



Right In: 623.216+/-3504.918 χ^2/NDF : 0.0/0

Left Out: -13.413+/-80.897 χ^2/NDF :21.6/24

Right Out: 324.383+/-992.292 χ^2/NDF : 2.5/1

Left In: -60.223+/-81.951 χ^2/NDF :37.9/22

Left: -36.515+/-57.572 χ^2/NDF : 59.7/47

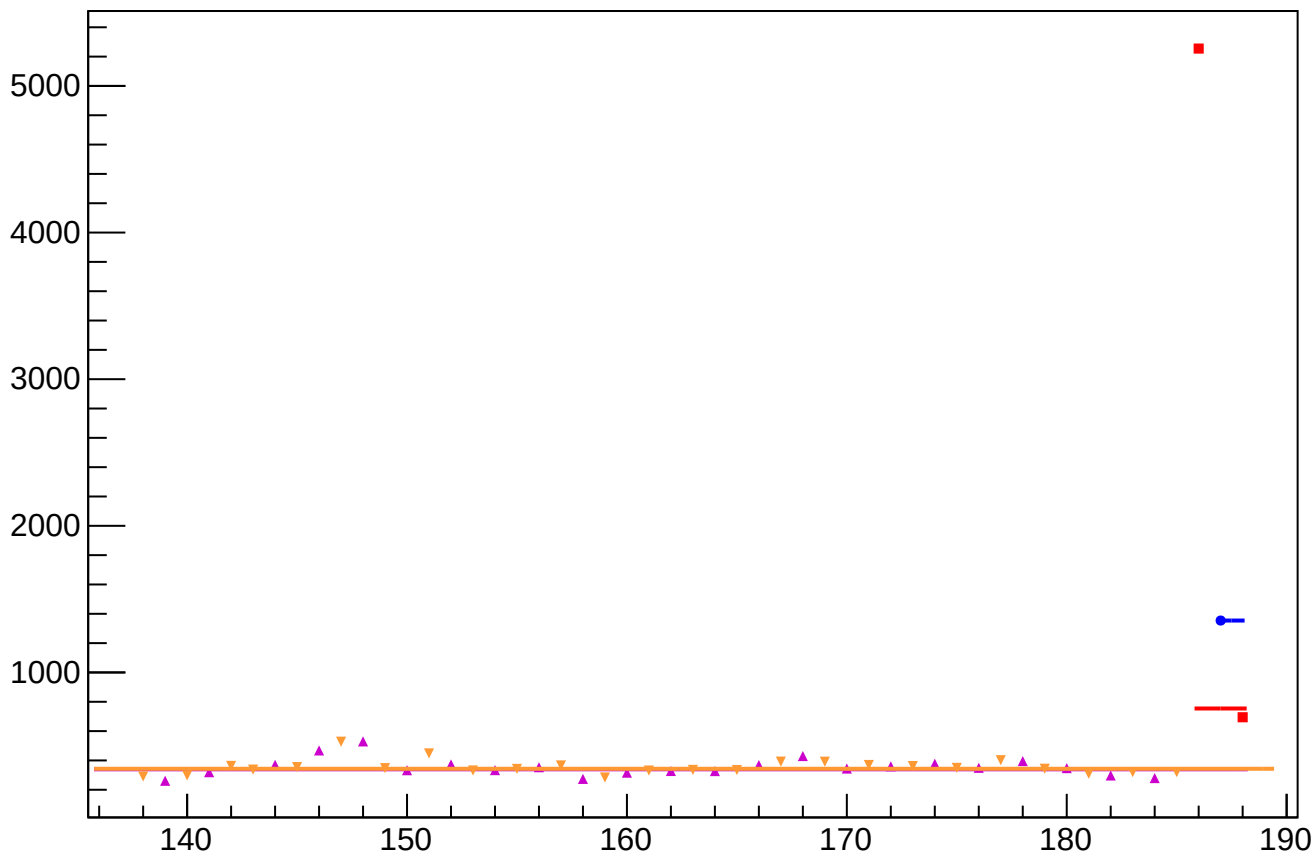
Right: 346.558+/-954.765 χ^2/NDF : 2.5/2

In: -59.850+/-81.929 χ^2/NDF :38.0/23

Out: -11.183+/-80.629 χ^2/NDF :24.2/26

All: -35.127+/-57.467 χ^2/NDF : 62.4/50

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 1354.000 $\pm$ 2.478 χ^2 /NDF: 0.0/0

Left Out: 343.128 $\pm$ 0.057 χ^2 /NDF: 566334.3/24

Right Out: 754.252 $\pm$ 0.702 χ^2 /NDF: 546899.9/1

Left In: 339.423 $\pm$ 0.058 χ^2 /NDF: 795958.6/22

Left: 341.300 $\pm$ 0.041 χ^2 /NDF: 1364363.7/47

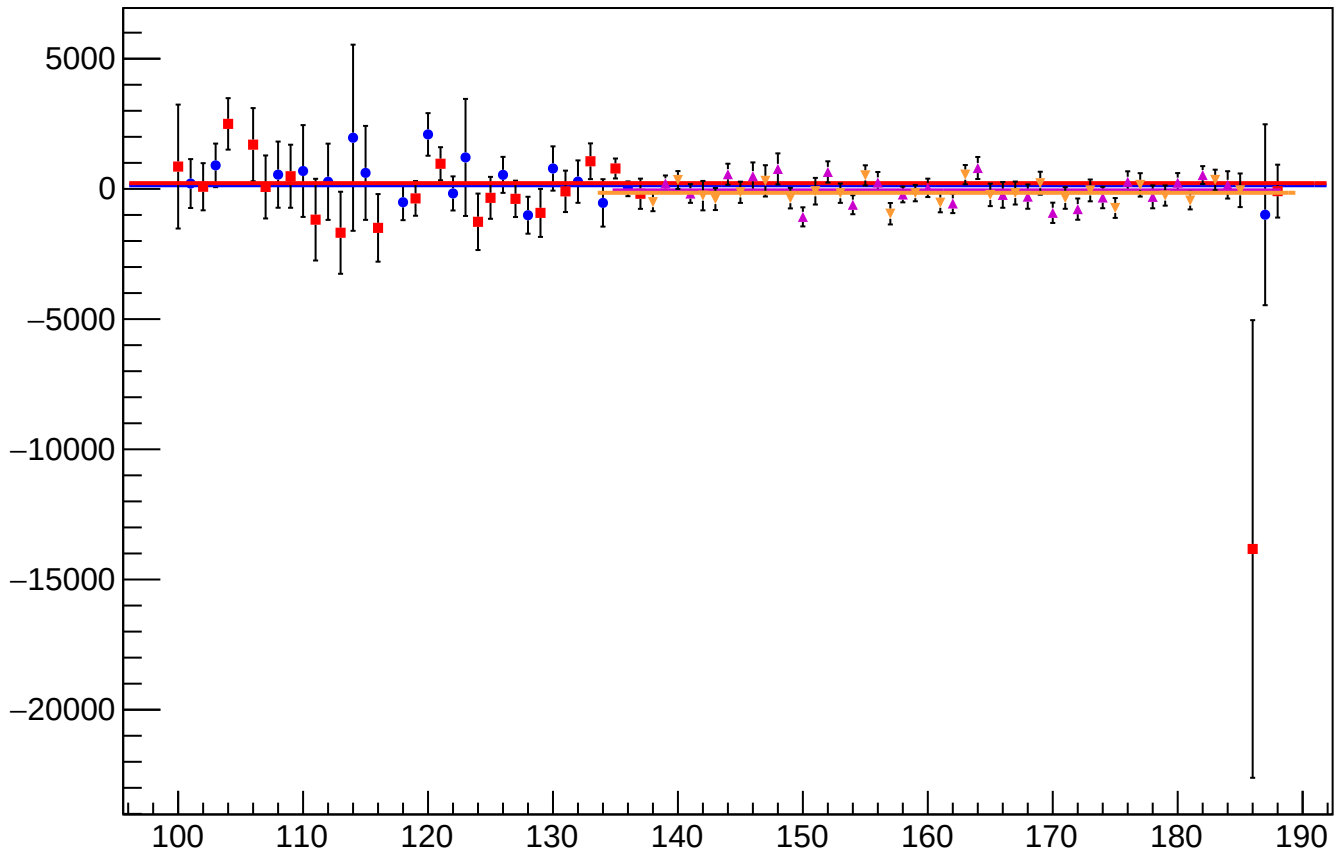
Right: 798.757 $\pm$ 0.675 χ^2 /NDF: 601115.7/2

In: 339.977 $\pm$ 0.058 χ^2 /NDF: 963455.5/23

Out: 345.843 $\pm$ 0.057 χ^2 /NDF: 1454285.6/26

All: 342.957 $\pm$ 0.041 χ^2 /NDF: 2422948.5/50

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: 221.597+/-181.009 χ^2/NDF : 24.3/20

Left In: -56.402+/-82.155 χ^2/NDF :39.7/22

Left: -103.250+/-57.686 χ^2/NDF : 62.3/47

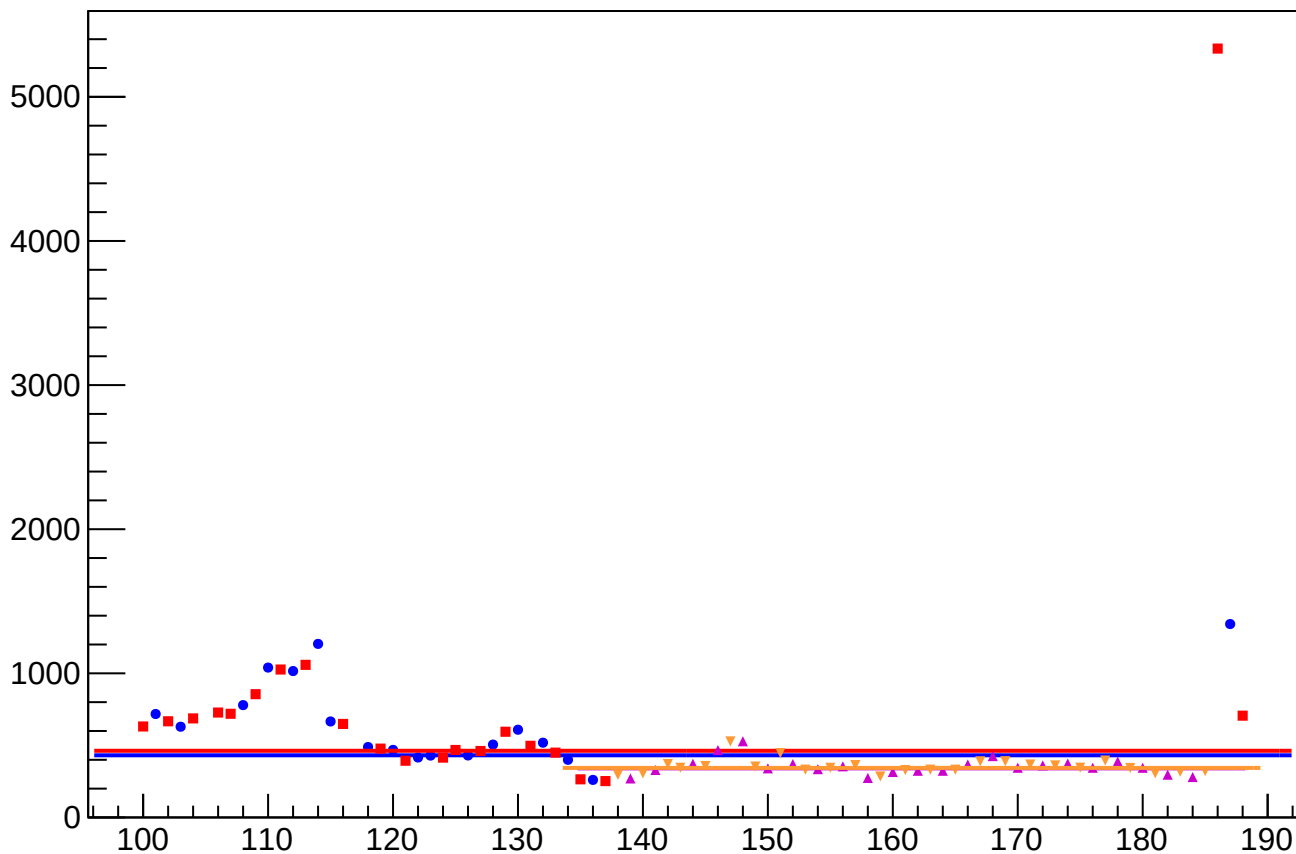
Right: 180.581+/-127.276 χ^2/NDF : 37.3/38

In: -22.146+/-74.666 χ^2/NDF :53.6/40

Out: -86.989+/-73.948 χ^2/NDF :49.8/45

All: -54.881+/-52.541 χ^2/NDF : 103.8/86

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: 462.653+/-0.128 χ^2/NDF : 2775317.2/20

Left In: 340.519+/-0.058 χ^2/NDF : 737049.6/22

Left: 342.163+/-0.041 χ^2/NDF : 1277875.5/47

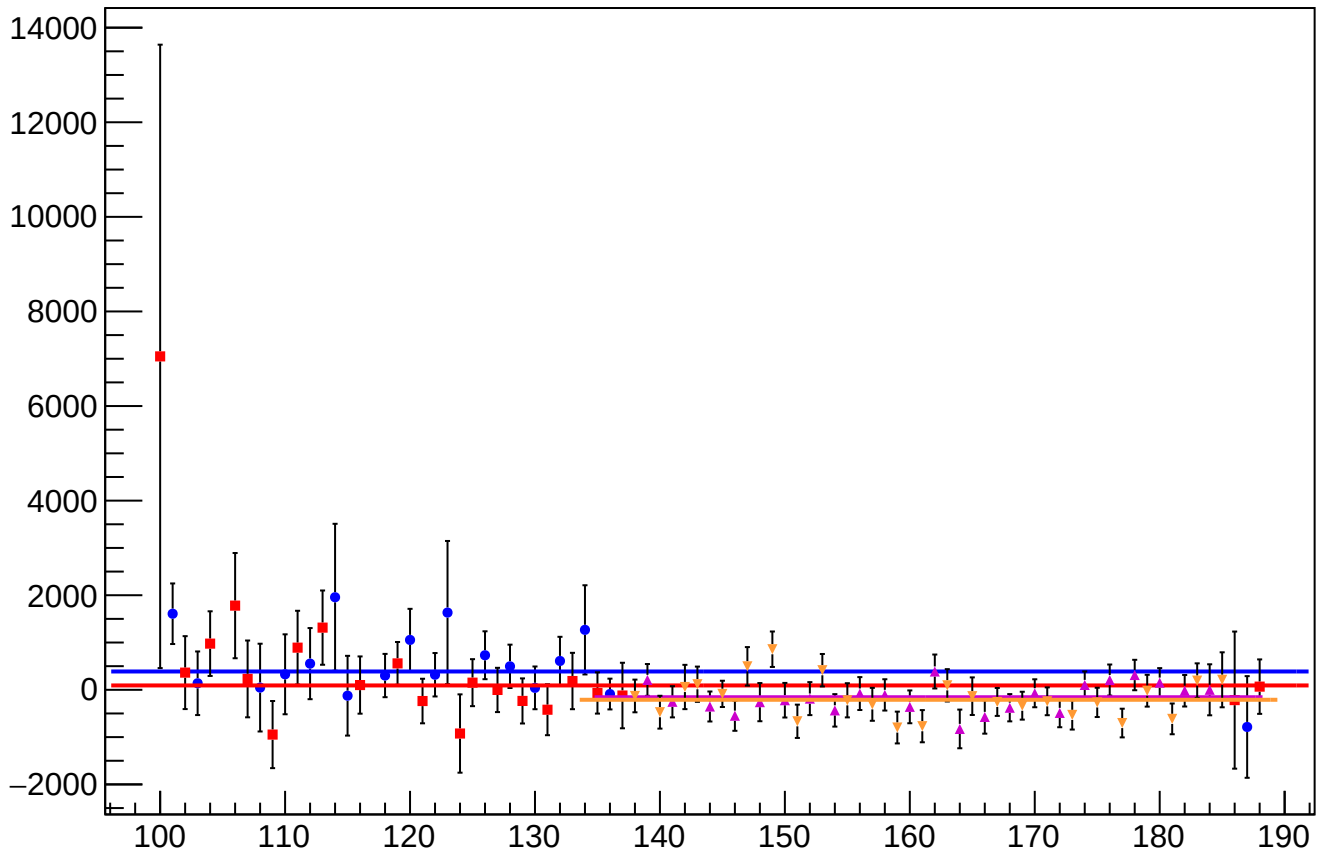
Right: 446.792+/-0.090 χ^2/NDF : 4955870.5/38

In: 356.312+/-0.053 χ^2/NDF : 3311956.7/40

Out: 363.605+/-0.052 χ^2/NDF : 4033391.6/45

All: 359.993+/-0.037 χ^2/NDF : 7354980.5/86

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 387.742 ± 138.799 $\chi^2/\text{NDF}: 12.6/17$

Left Out: -210.579 ± 68.284 $\chi^2/\text{NDF}: 32.3/24$

Right Out: 92.522 ± 134.706 $\chi^2/\text{NDF}: 15.7/20$

Left In: -156.945 ± 69.984 $\chi^2/\text{NDF}: 18.0/22$

Left: -184.421 ± 48.874 $\chi^2/\text{NDF}: 50.6/47$

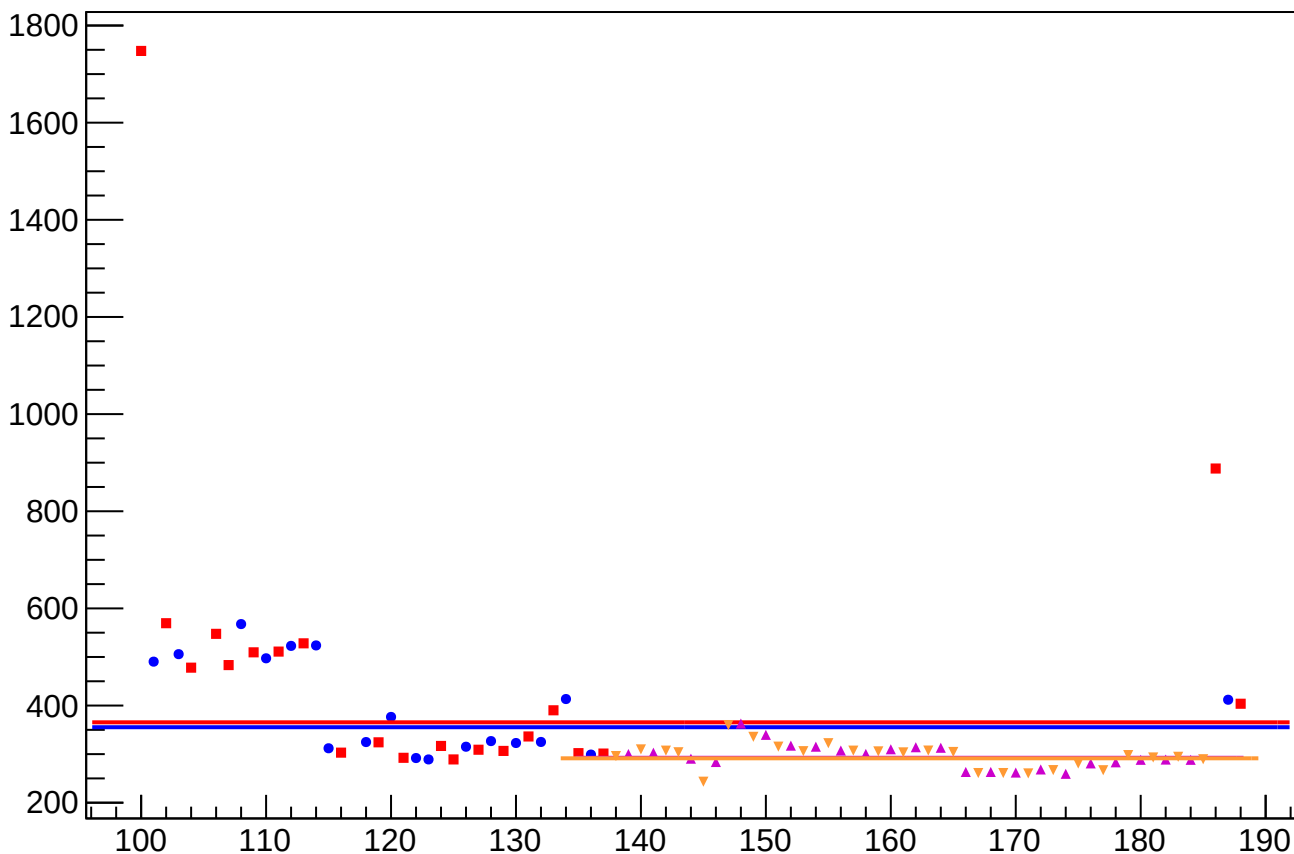
Right: 235.715 ± 96.666 $\chi^2/\text{NDF}: 30.6/38$

In: -46.538 ± 62.490 $\chi^2/\text{NDF}: 42.9/40$

Out: -148.616 ± 60.906 $\chi^2/\text{NDF}: 52.0/45$

All: -98.888 ± 43.616 $\chi^2/\text{NDF}: 96.3/86$

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 355.385+/-0.098 χ^2/NDF : 641894.6/17

Left Out: 291.386+/-0.048 χ^2/NDF : 293095.3/24

Right Out: 365.477+/-0.095 χ^2/NDF : 1153290.7/20

Left In: 292.469+/-0.049 χ^2/NDF : 239778.2/22

Left: 291.914+/-0.035 χ^2/NDF : 533119.0/47

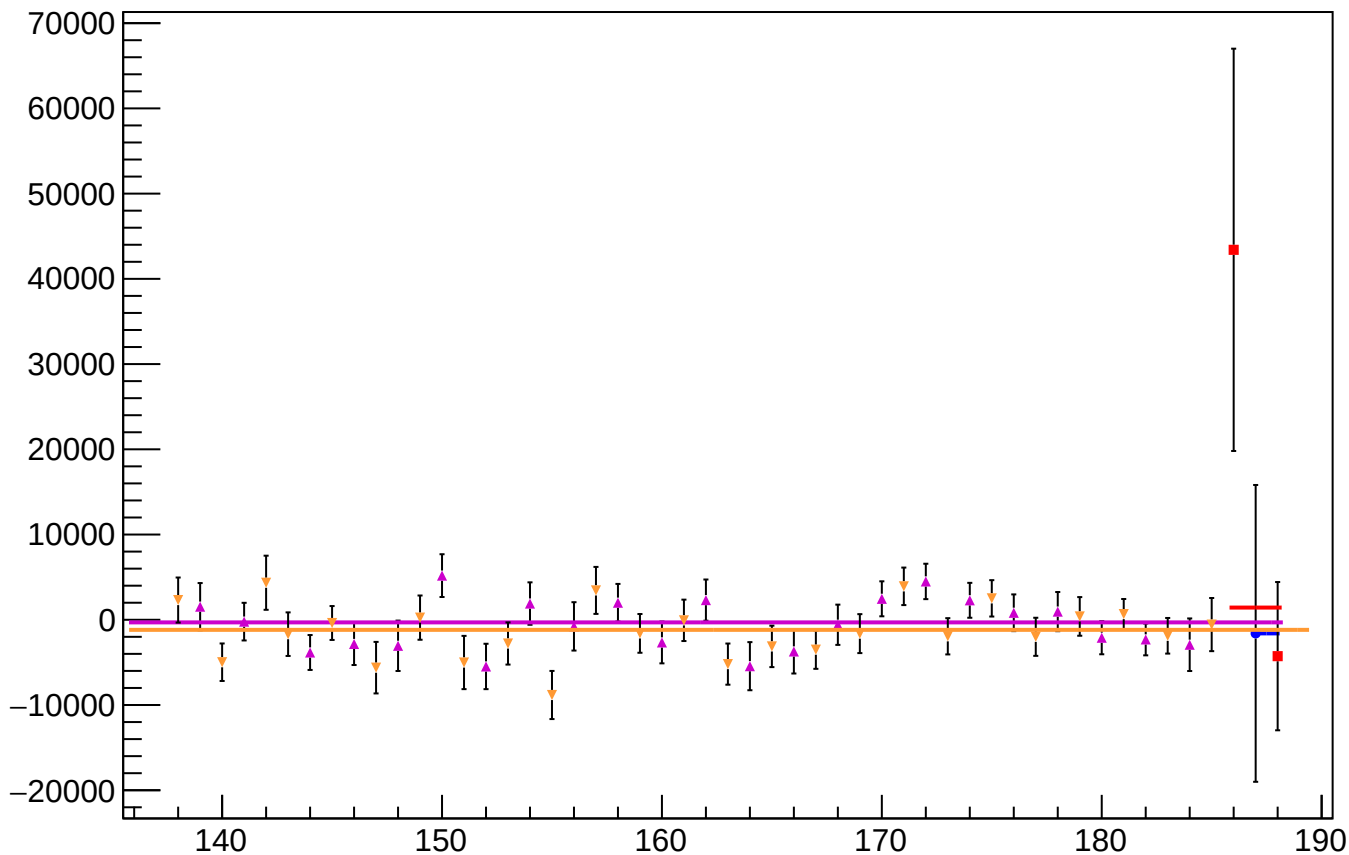
Right: 360.582+/-0.068 χ^2/NDF : 1800629.9/38

In: 305.222+/-0.044 χ^2/NDF : 1209319.8/40

Out: 306.532+/-0.043 χ^2/NDF : 1927747.3/45

All: 305.894+/-0.031 χ^2/NDF : 3137517.9/86

asym_sam2_correction_mean vs Slug, Sign Corrected



Right In: -1597.489+/-17412.479 χ^2/NDF : 0.0/0

Left Out: -1182.788+/-475.576 χ^2/NDF : 37.6/24

Right Out: 1431.800+/-8161.631 χ^2/NDF : 3.6/1

Left In: -306.633+/-487.657 χ^2/NDF : 35.0/22

Left: -755.698+/-340.474 χ^2/NDF : 74.3/47

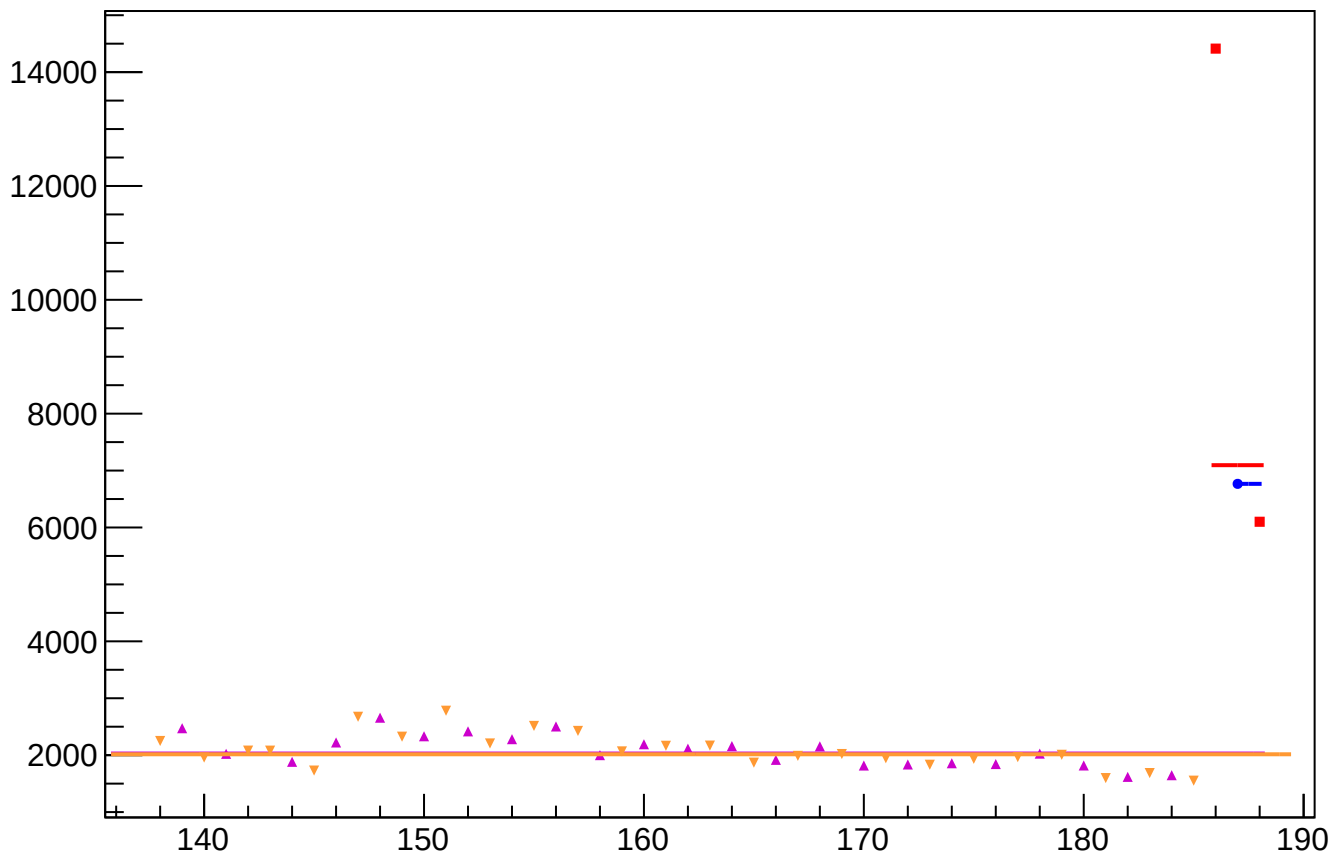
Right: 886.142+/-7390.098 χ^2/NDF : 3.6/2

In: -307.644+/-487.466 χ^2/NDF : 35.0/23

Out: -1173.941+/-474.771 χ^2/NDF : 41.3/26

All: -752.220+/-340.113 χ^2/NDF : 78.0/50

asym_sam2_correction_rms vs Slug, Sign Corrected



Right In: 6766.611+/-12.312 χ^2/NDF : 0.0/0

Left Out: 2015.502+/-0.336 χ^2/NDF :672832.0/24

Right Out: 7094.748+/-5.771 χ^2/NDF : 218430.1/1

Left In: 2028.571+/-0.345 χ^2/NDF :555843.5/22

Left: 2021.873+/-0.241 χ^2/NDF : 1229411.7/47

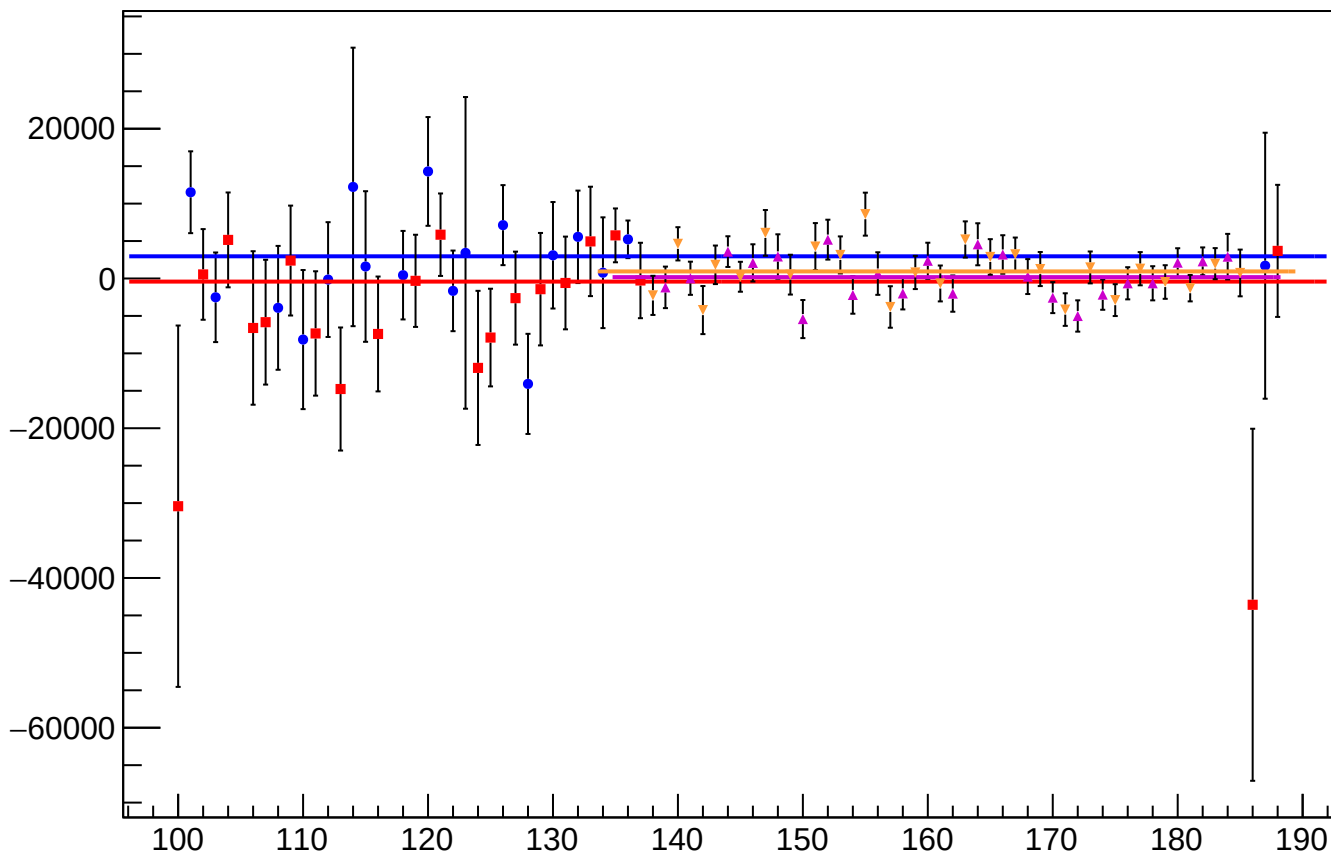
Right: 7035.642+/-5.226 χ^2/NDF : 219012.5/2

In: 2032.285+/-0.345 χ^2/NDF :703810.7/23

Out: 2032.689+/-0.336 χ^2/NDF :1663235.9/26

All: 2032.492+/-0.240 χ^2/NDF : 2367047.4/50

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: -416.343 $\pm$ 1482.581 χ^2 /NDF: 18.9/20

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

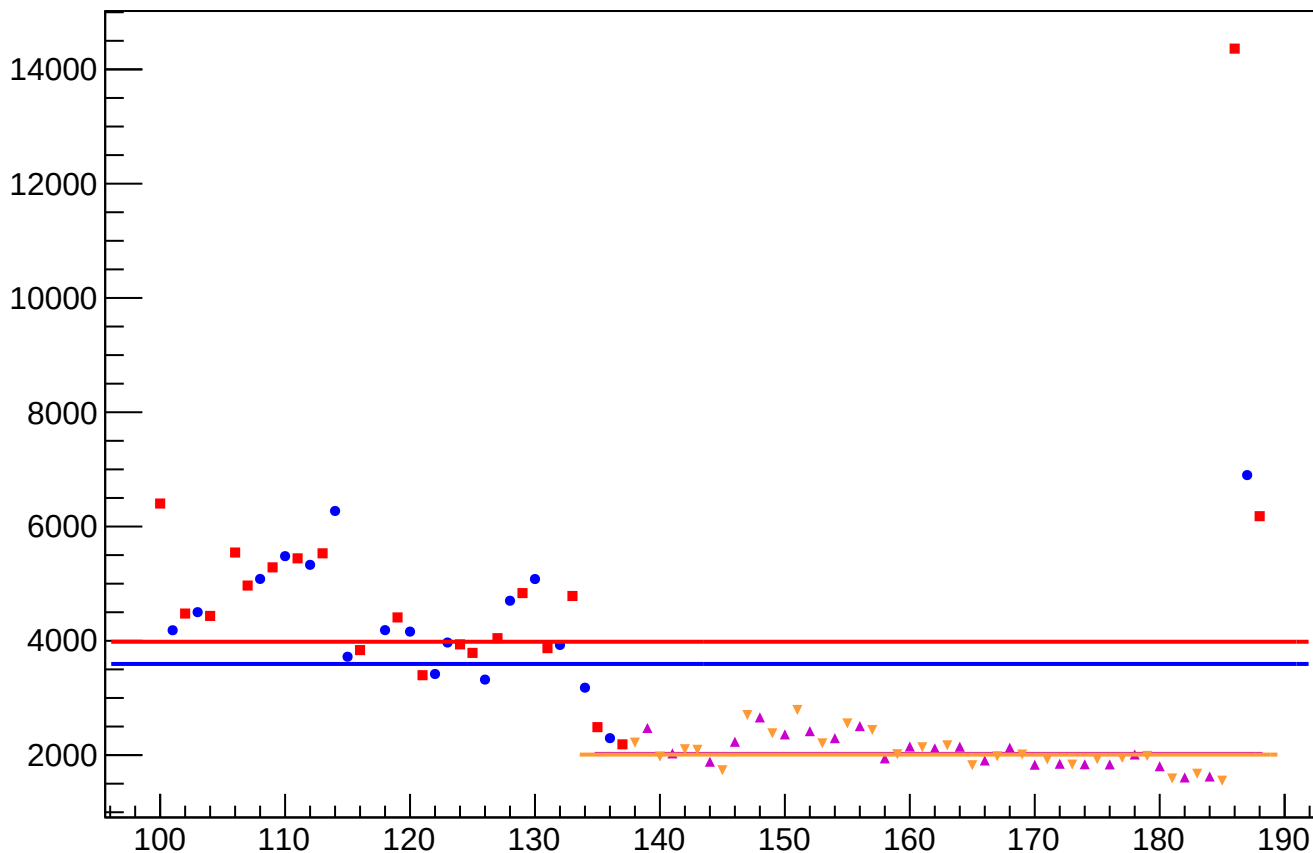
Right: 1326.407 $\pm$ 1031.397 χ^2 /NDF: 39.0/38

In: 466.066 $\pm$ 460.437 χ^2 /NDF:53.7/40

Out: 816.522 $\pm$ 451.866 χ^2 /NDF:58.0/45

All: 644.586 $\pm$ 322.505 χ^2 /NDF: 111.9/86

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3595.205+/-1.015 χ^2/NDF : 1158425.5/17

Left Out: 2008.897+/-0.335 χ^2/NDF : 709254.4/24

Right Out: 3983.713+/-1.048 χ^2/NDF : 1512436.5/20

Left In: 2020.887+/-0.344 χ^2/NDF : 576363.5/22

Left: 2014.747+/-0.240 χ^2/NDF : 1286241.1/47

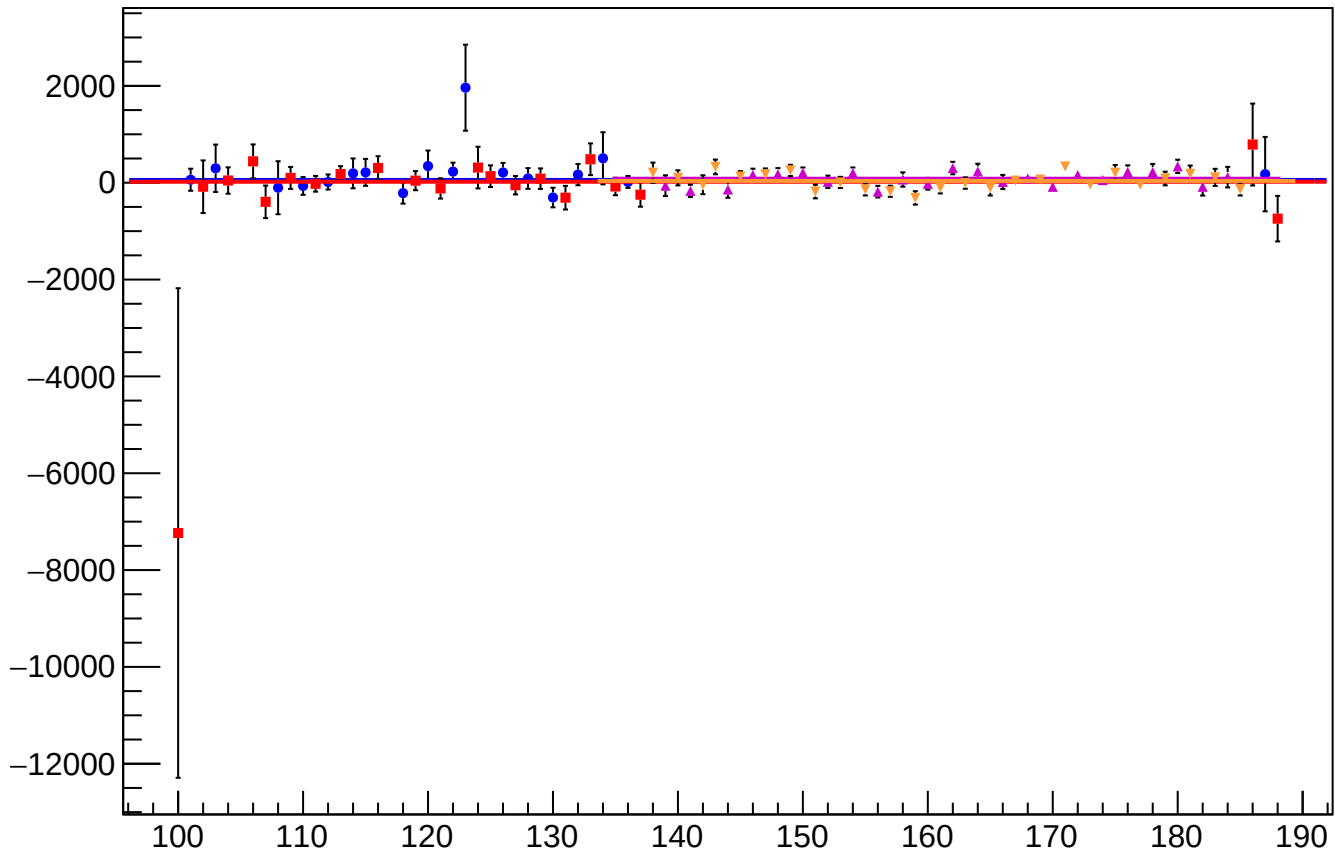
Right: 3783.230+/-0.729 χ^2/NDF : 2741733.3/38

In: 2182.792+/-0.326 χ^2/NDF : 3892090.0/40

Out: 2192.344+/-0.320 χ^2/NDF : 5440572.1/45

All: 2187.658+/-0.228 χ^2/NDF : 9333100.5/86

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 57.185+/-53.748 χ^2/NDF : 14.1/17

Left Out: 37.025+/-24.393 χ^2/NDF : 41.9/24

Right Out: 20.372+/-53.572 χ^2/NDF : 17.7/20

Left In: 82.367+/-25.719 χ^2/NDF : 29.6/22

Left: 58.498+/-17.699 χ^2/NDF : 73.2/47

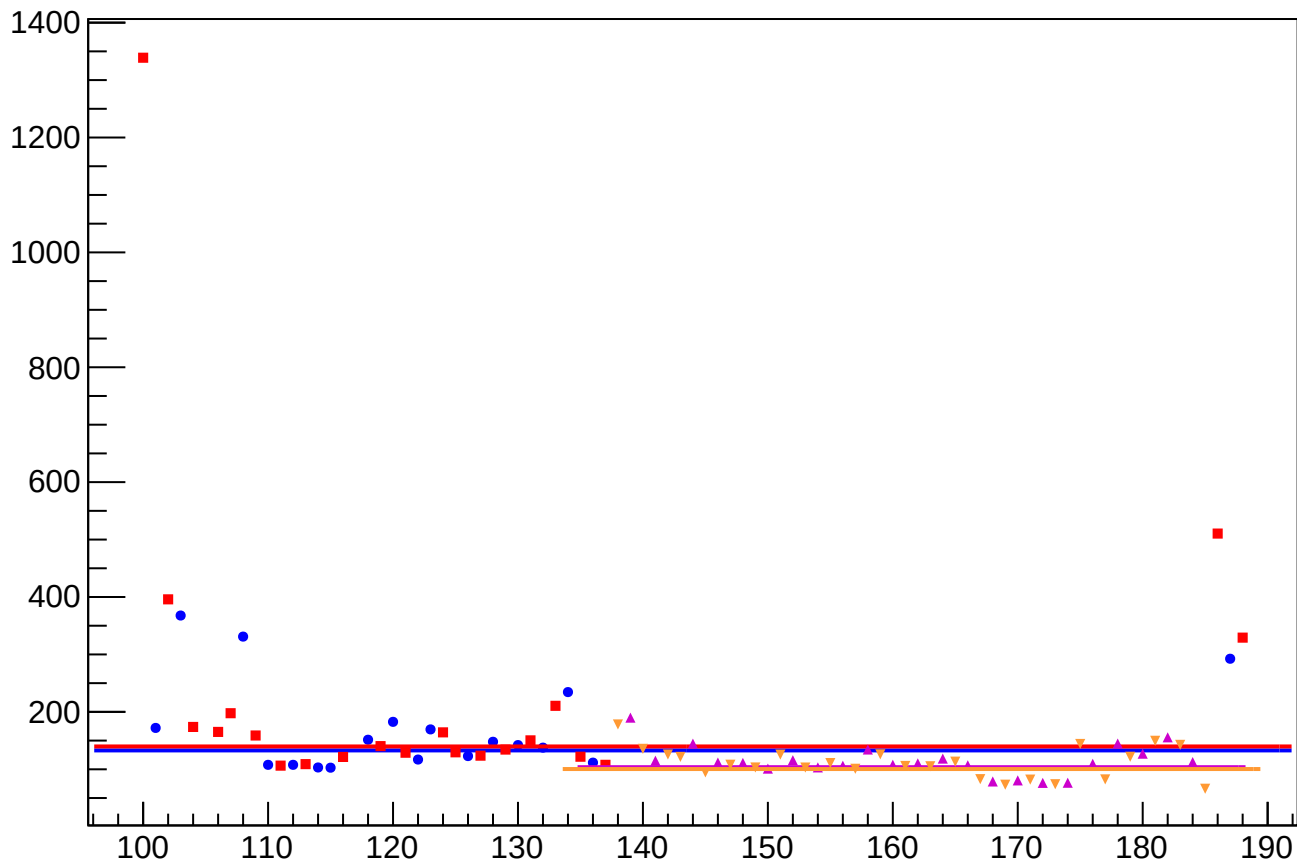
Right: 38.718+/-37.943 χ^2/NDF : 32.1/38

In: 77.675+/-23.200 χ^2/NDF : 43.9/40

Out: 34.165+/-22.200 χ^2/NDF : 59.7/45

All: 54.963+/-16.040 χ^2/NDF : 105.5/86

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 132.888 $\pm$ 0.038 χ^2 /NDF: 1231281.8/17

Left Out: 100.470 $\pm$ 0.017 χ^2 /NDF: 1857936.9/24

Right Out: 139.786 $\pm$ 0.038 χ^2 /NDF: 1729361.7/20

Left In: 103.707 $\pm$ 0.018 χ^2 /NDF: 1640646.4/22

Left: 102.003 $\pm$ 0.013 χ^2 /NDF: 3515261.0/47

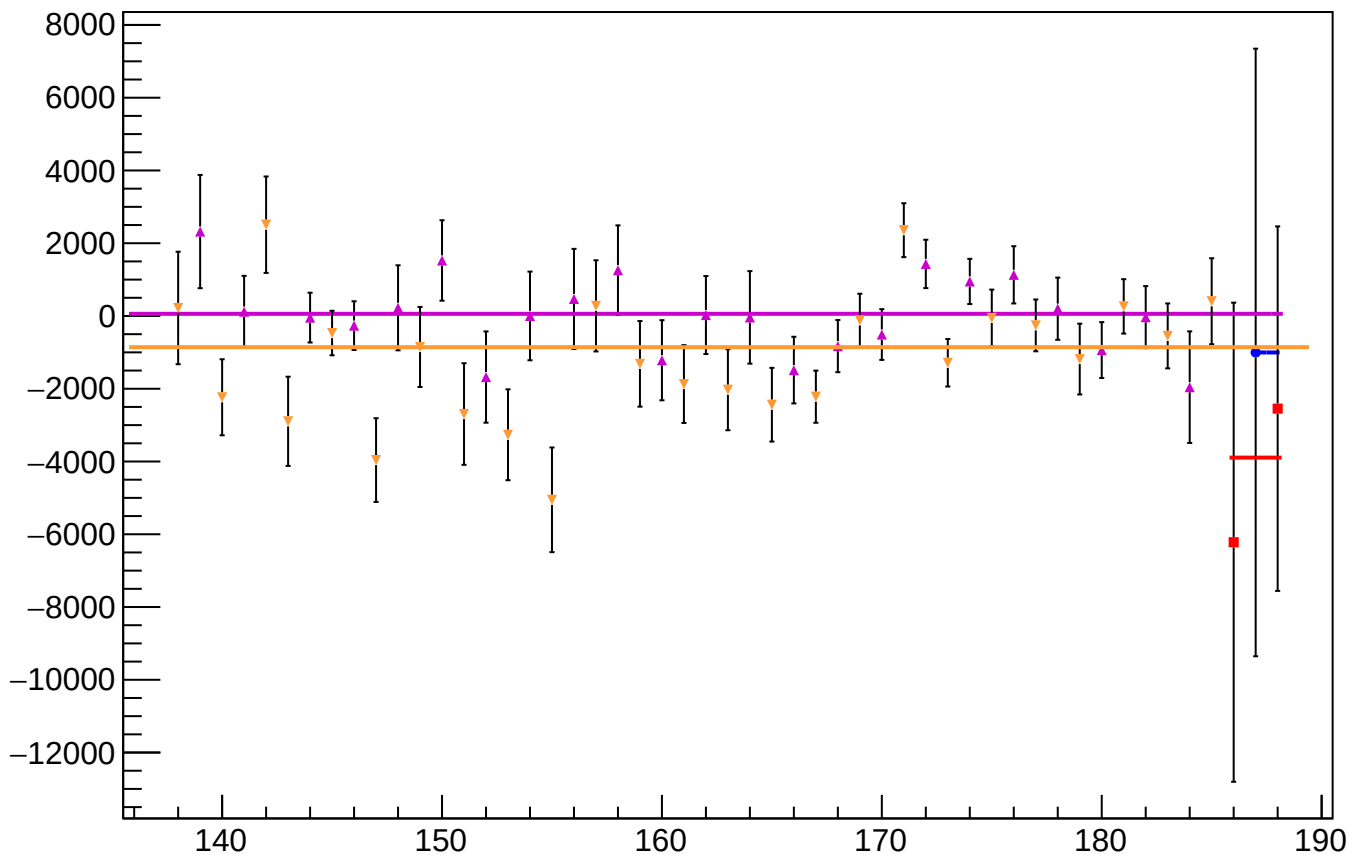
Right: 136.348 $\pm$ 0.027 χ^2 /NDF: 2977170.4/38

In: 109.144 $\pm$ 0.016 χ^2 /NDF: 3351617.0/40

Out: 107.222 $\pm$ 0.016 χ^2 /NDF: 4479517.8/45

All: 108.140 $\pm$ 0.011 χ^2 /NDF: 7838298.8/86

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: -1002.993 $\pm$ 8350.906 χ^2 /NDF: 0.0/0

Left Out: -857.296 $\pm$ 186.036 χ^2 /NDF:67.8/24

Right Out: -3893.213 $\pm$ 3987.124 χ^2 /NDF: 0.2/1

Left In: 59.875 $\pm$ 186.696 χ^2 /NDF:25.1/22

Left: -400.333 $\pm$ 131.780 χ^2 /NDF: 105.0/47

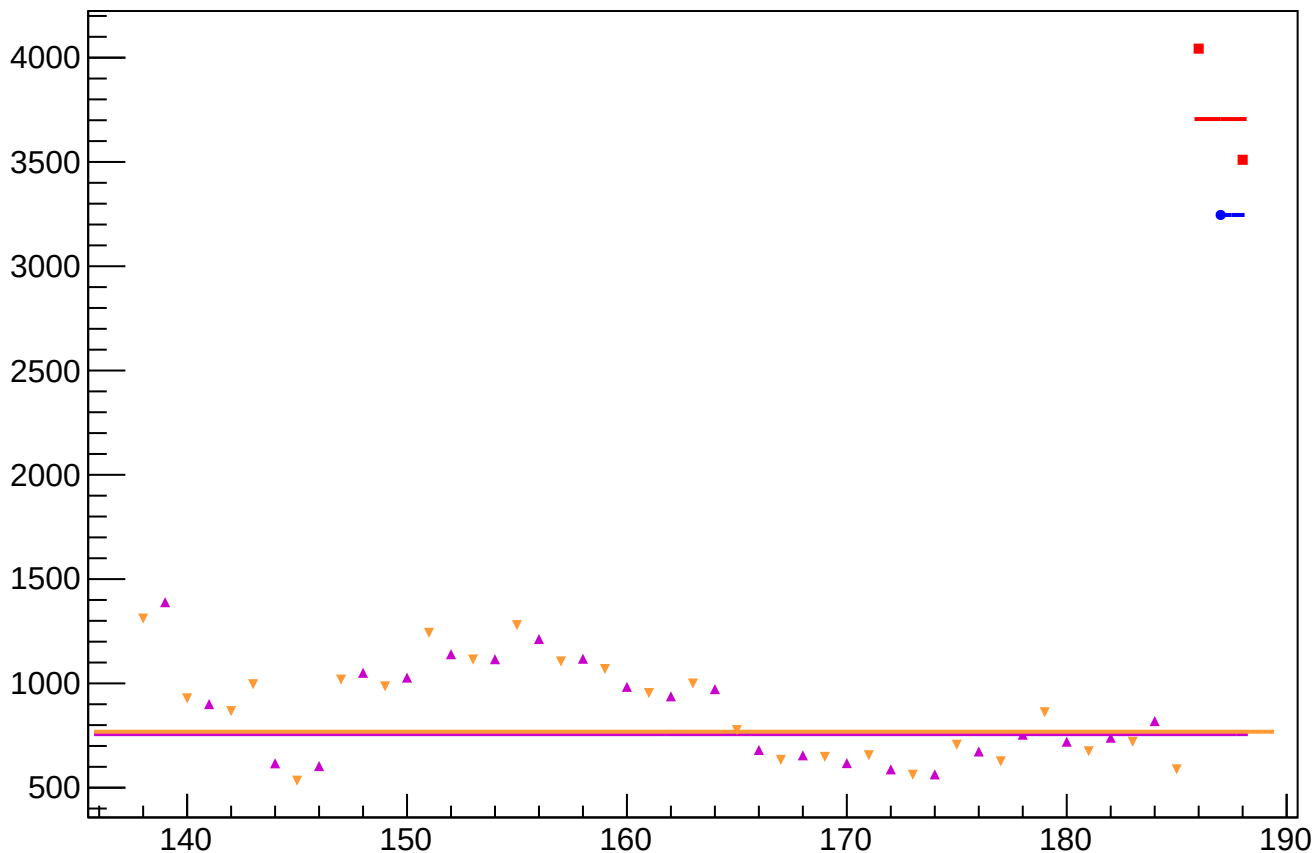
Right: -3356.675 $\pm$ 3598.059 χ^2 /NDF: 0.3/2

In: 59.344 $\pm$ 186.649 χ^2 /NDF:25.1/23

Out: -863.891 $\pm$ 185.834 χ^2 /NDF:68.5/26

All: -404.293 $\pm$ 131.692 χ^2 /NDF: 106.0/50

asym_sam3_correction_rms vs Slug, Sign Corrected



Right In: 3245.822+/-5.905 χ^2/NDF : 0.0/0

Left Out: 768.280+/-0.132 χ^2/NDF :2463696.6/24

Right Out: 3705.725+/-2.819 χ^2/NDF : 8296.7/1

Left In: 756.684+/-0.132 χ^2/NDF :2245661.1/22

Left: 762.503+/-0.093 χ^2/NDF : 4713228.8/47

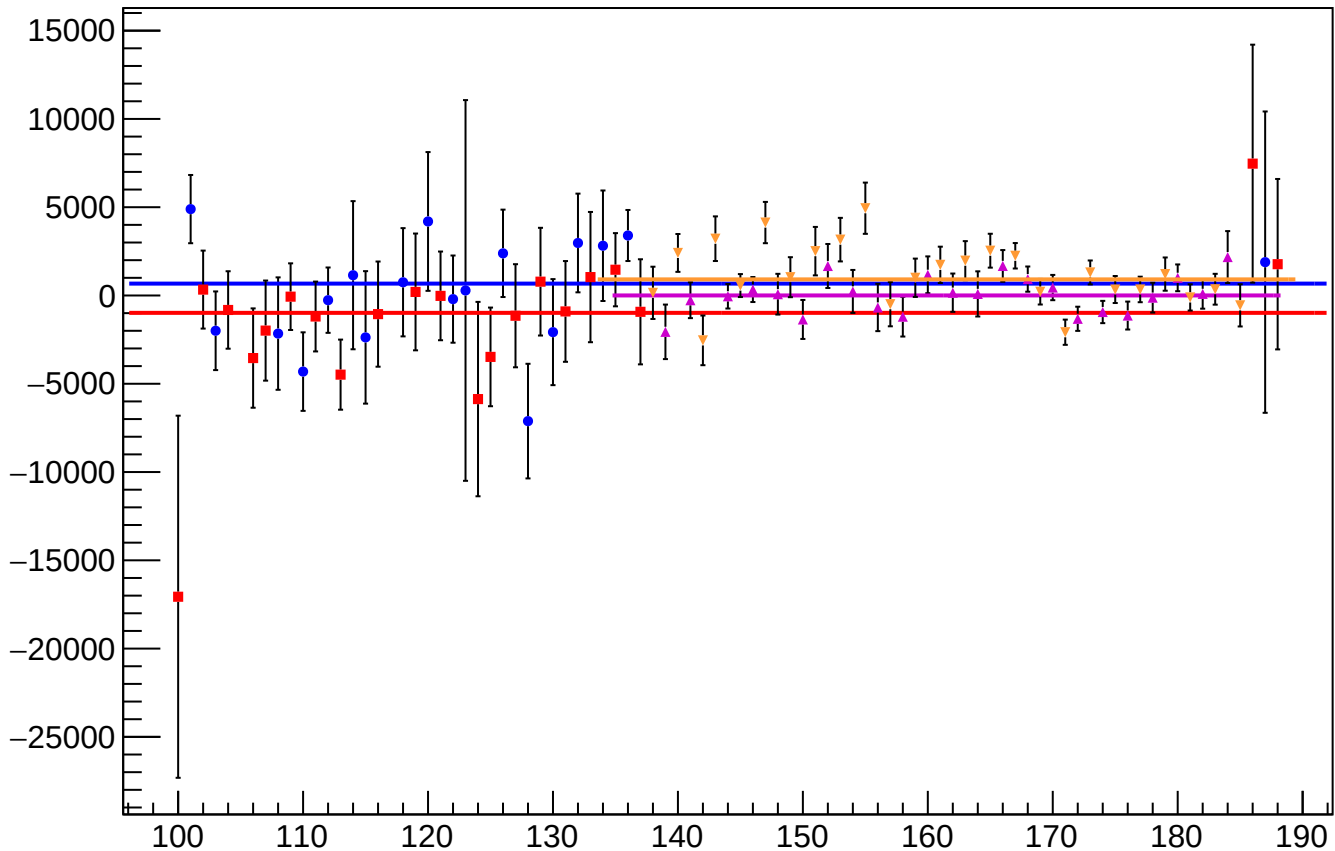
Right: 3620.349+/-2.544 χ^2/NDF : 13236.5/2

In: 757.928+/-0.132 χ^2/NDF :2423261.3/23

Out: 774.661+/-0.131 χ^2/NDF :3555185.3/26

All: 766.331+/-0.093 χ^2/NDF : 5986519.0/50

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: -983.708 $\pm$ 595.655 χ^2 /NDF: 12.9/20

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

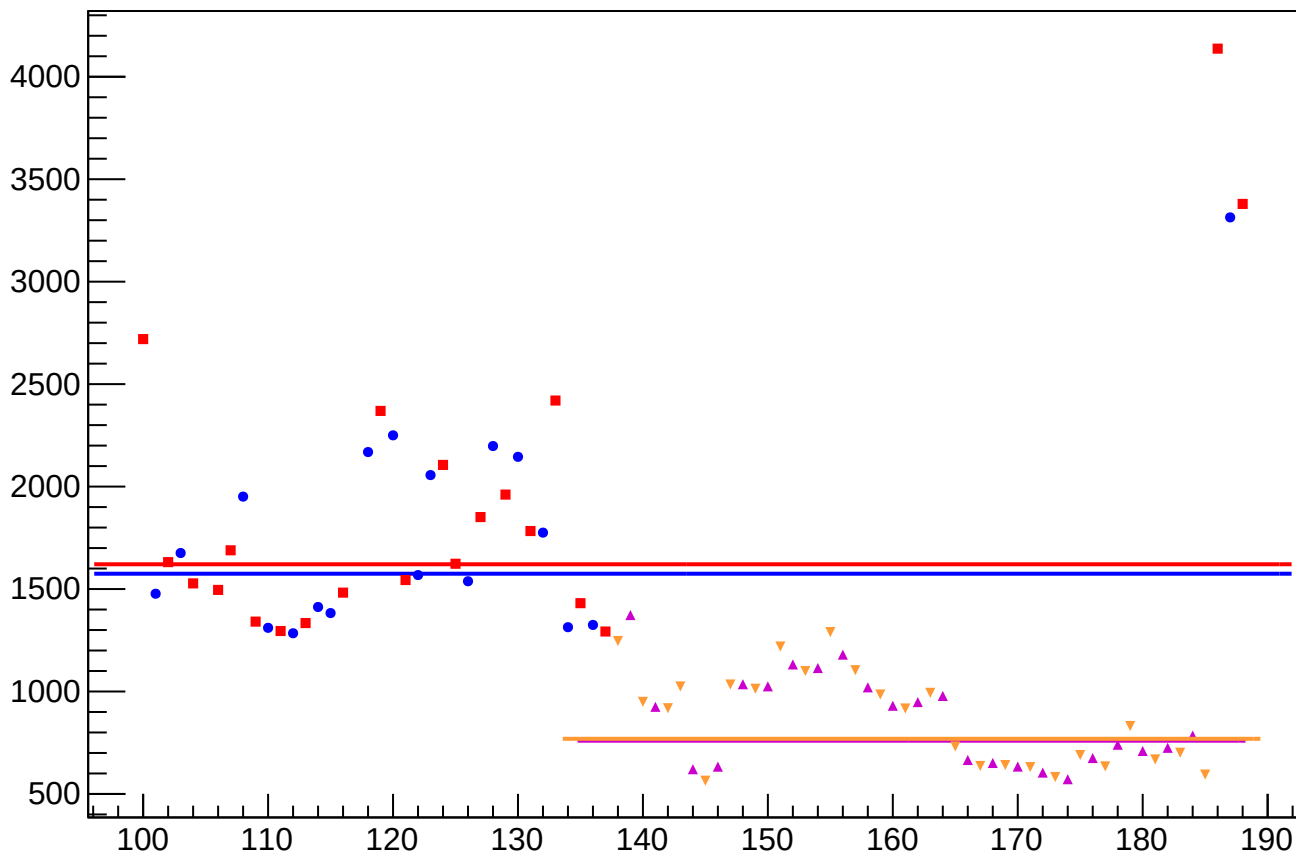
Right: -184.873 $\pm$ 428.612 χ^2 /NDF: 42.3/38

In: 58.981 $\pm$ 179.204 χ^2 /NDF:52.4/40

Out: 743.332 $\pm$ 177.636 χ^2 /NDF:87.1/45

All: 404.163 $\pm$ 126.158 χ^2 /NDF: 146.8/86

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: 1620.907 $\pm$ 0.421 χ^2 /NDF: 1018870.5/20

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

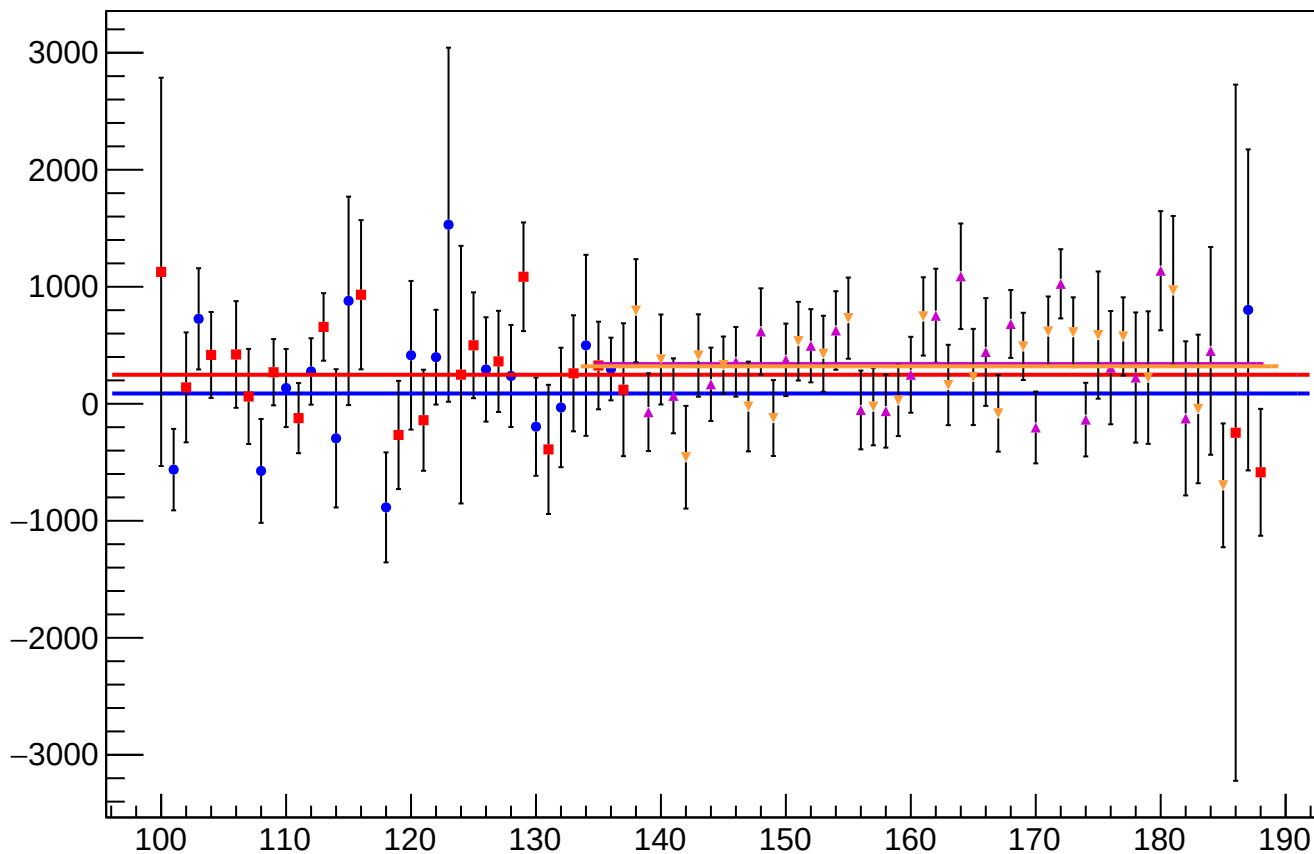
Right: 1598.657 $\pm$ 0.303 χ^2 /NDF: 1598932.5/38

In: 828.624 $\pm$ 0.127 χ^2 /NDF: 5780831.1/40

Out: 844.953 $\pm$ 0.126 χ^2 /NDF: 7019572.0/45

All: 836.860 $\pm$ 0.089 χ^2 /NDF: 12808779.2/86

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 88.010+/-103.324 χ^2/NDF : 17.6/17

Left Out: 320.359+/-71.442 χ^2/NDF : 22.6/24

Right Out: 248.144+/-96.195 χ^2/NDF : 15.1/20

Left In: 339.260+/-74.418 χ^2/NDF : 26.3/22

Left: 329.424+/-51.537 χ^2/NDF : 48.9/47

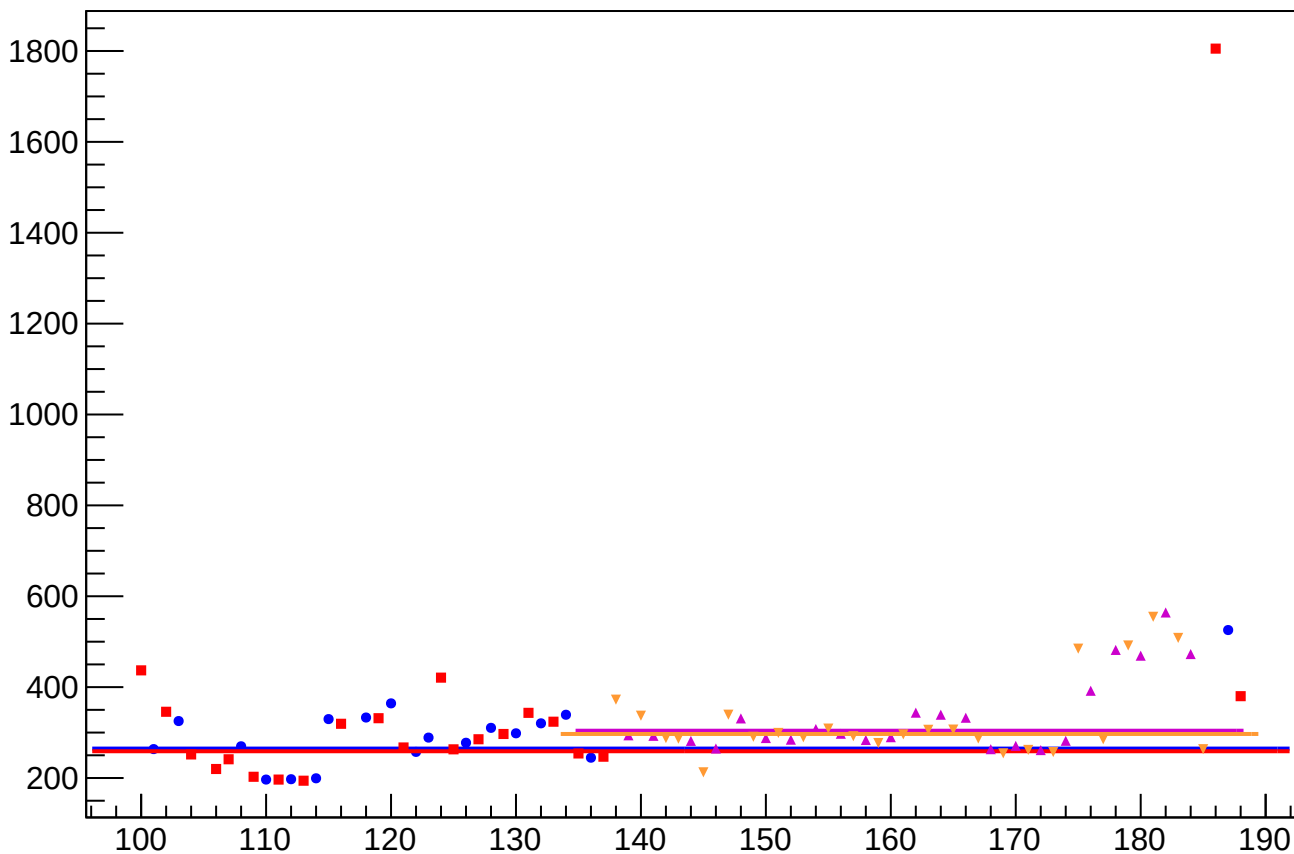
Right: 173.792+/-70.406 χ^2/NDF : 34.0/38

In: 253.442+/-60.386 χ^2/NDF : 47.8/40

Out: 294.687+/-57.354 χ^2/NDF : 38.0/45

All: 275.126+/-41.586 χ^2/NDF : 86.1/86

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 264.751 $\pm$ 0.073 χ^2 /NDF: 525504.8/17

Left Out: 296.913 $\pm$ 0.051 χ^2 /NDF:1506502.0/24

Right Out: 258.898 $\pm$ 0.068 χ^2 /NDF: 1232064.4/20

Left In: 304.067 $\pm$ 0.053 χ^2 /NDF:1106083.1/22

Left: 300.344 $\pm$ 0.036 χ^2 /NDF: 2622204.6/47

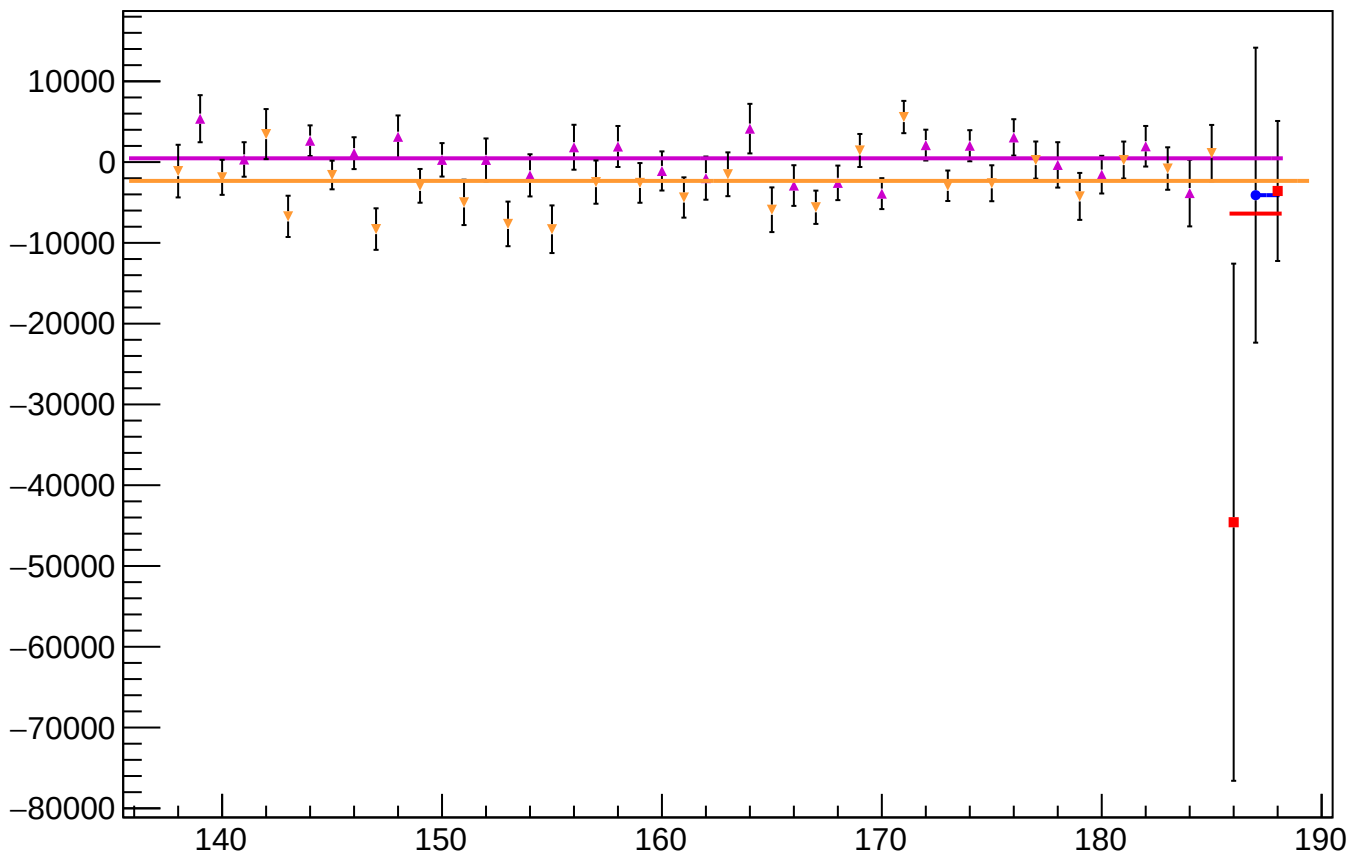
Right: 261.615 $\pm$ 0.050 χ^2 /NDF: 1761007.5/38

In: 290.638 $\pm$ 0.043 χ^2 /NDF:1822260.9/40

Out: 283.399 $\pm$ 0.041 χ^2 /NDF:2939881.4/45

All: 286.832 $\pm$ 0.029 χ^2 /NDF: 4777255.3/86

asym_sam4_correction_mean vs Slug, Sign Corrected



Right In: -4094.945 $\pm$ 18259.349 χ^2 /NDF: 0.0/0

Left Out: -2328.254 $\pm$ 482.072 χ^2 /NDF: 49.4/24

Right Out: -6376.851 $\pm$ 8364.857 χ^2 /NDF: 1.5/1

Left In: 468.113 $\pm$ 490.449 χ^2 /NDF: 23.2/22

Left: -954.155 $\pm$ 343.800 χ^2 /NDF: 89.2/47

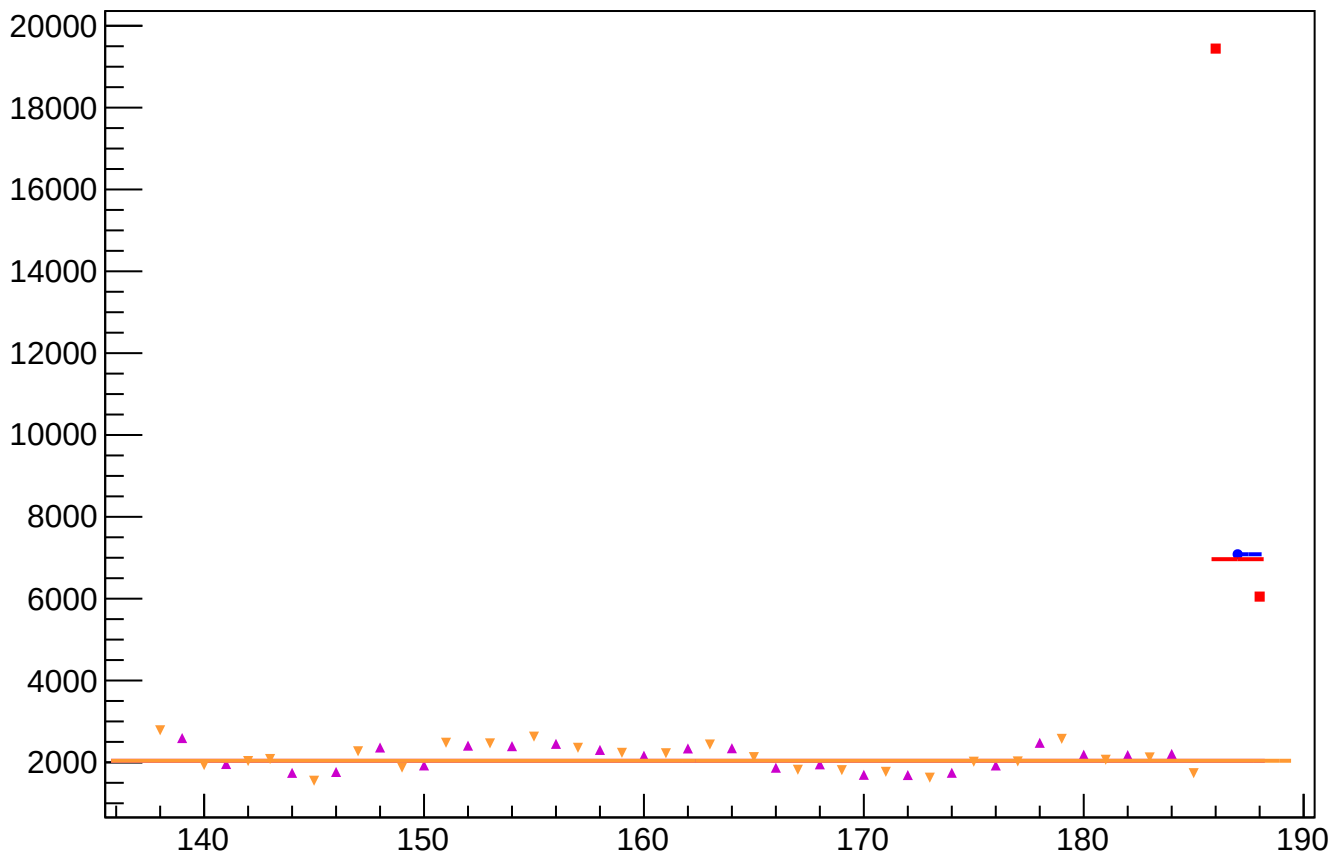
Right: -5981.023 $\pm$ 7604.830 χ^2 /NDF: 1.5/2

In: 464.824 $\pm$ 490.272 χ^2 /NDF: 23.3/23

Out: -2341.656 $\pm$ 481.274 χ^2 /NDF: 51.2/26

All: -964.408 $\pm$ 343.449 χ^2 /NDF: 91.2/50

asym_sam4_correction_rms vs Slug, Sign Corrected



Right In: 7085.171+/-12.911 χ^2/NDF : 0.0/0

Left Out: 2038.969+/-0.341 χ^2/NDF : 829479.9/24

Right Out: 6965.129+/-5.915 χ^2/NDF : 326158.8/1

Left In: 2036.656+/-0.347 χ^2/NDF : 652291.9/22

Left: 2037.832+/-0.243 χ^2/NDF : 1481794.4/47

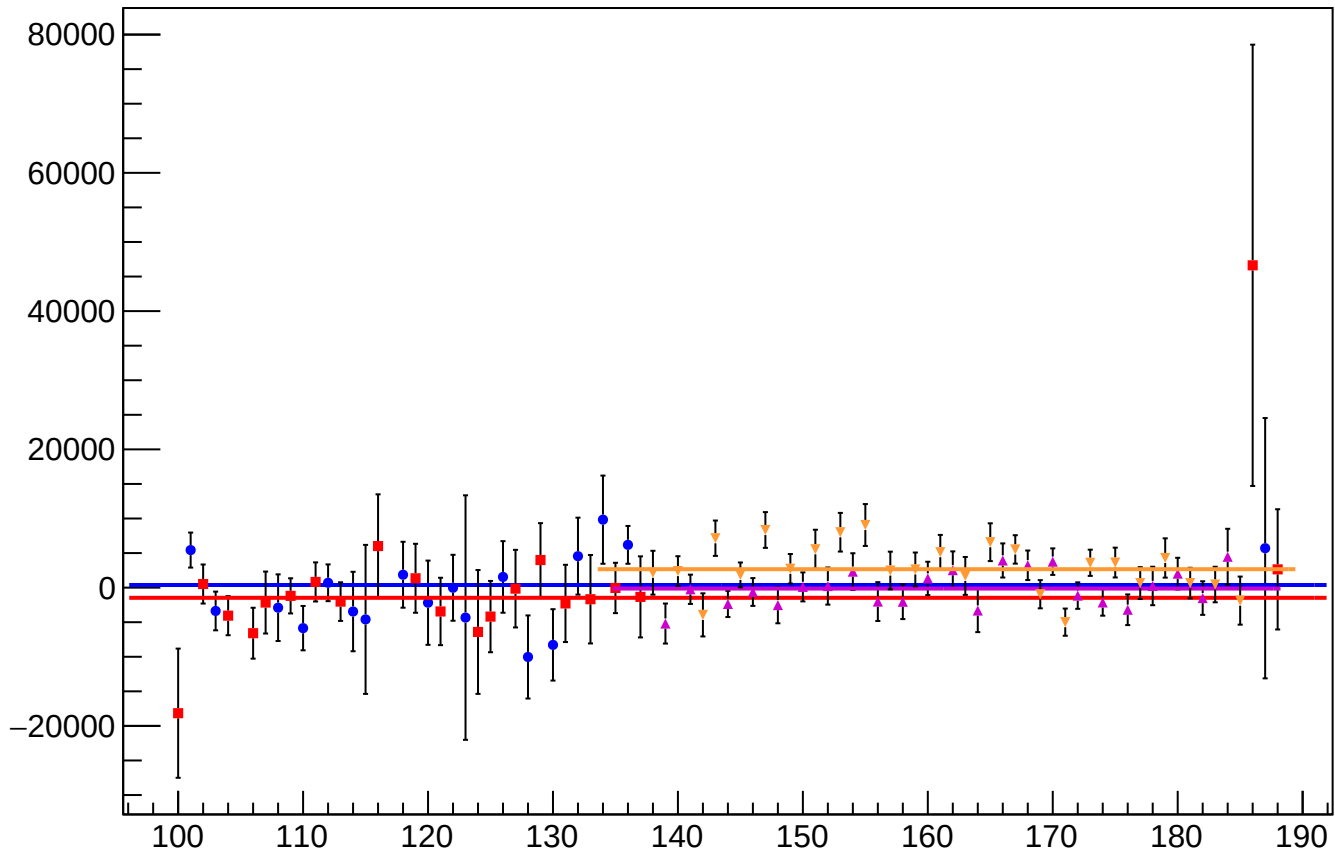
Right: 6985.952+/-5.377 χ^2/NDF : 326230.3/2

In: 2040.295+/-0.347 χ^2/NDF : 805074.4/23

Out: 2055.276+/-0.340 χ^2/NDF : 1846975.7/26

All: 2047.925+/-0.243 χ^2/NDF : 2653001.1/50

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: -1470.640+/-918.452 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

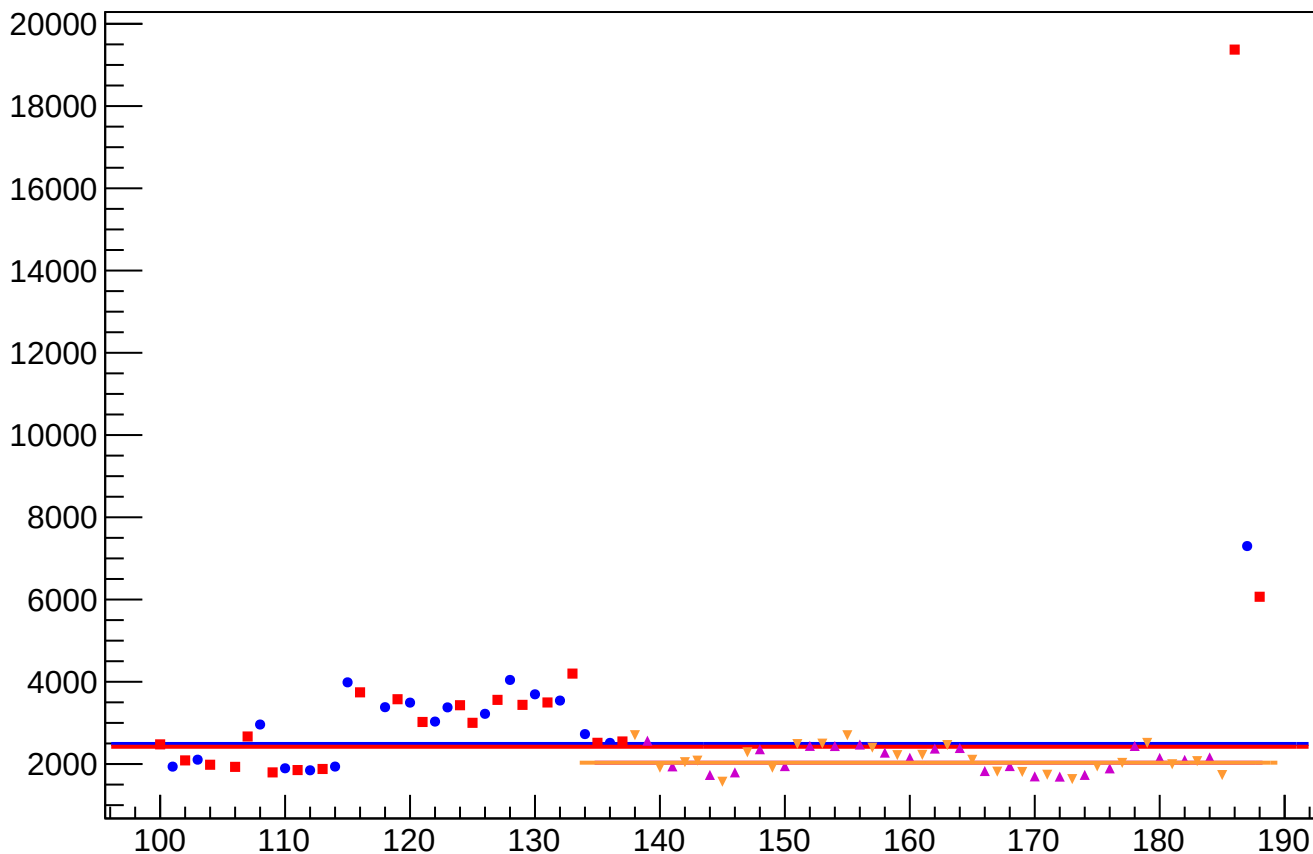
Right: -615.053+/-673.665 χ^2/NDF : 39.2/38

In: -31.518+/-439.070 χ^2/NDF : 49.2/40

Out: 1776.575+/-426.077 χ^2/NDF : 78.9/45

All: 899.678+/-305.772 χ^2/NDF : 136.9/86

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: 2419.886 $\pm$ 0.649 χ^2 /NDF: 1946677.4/20

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

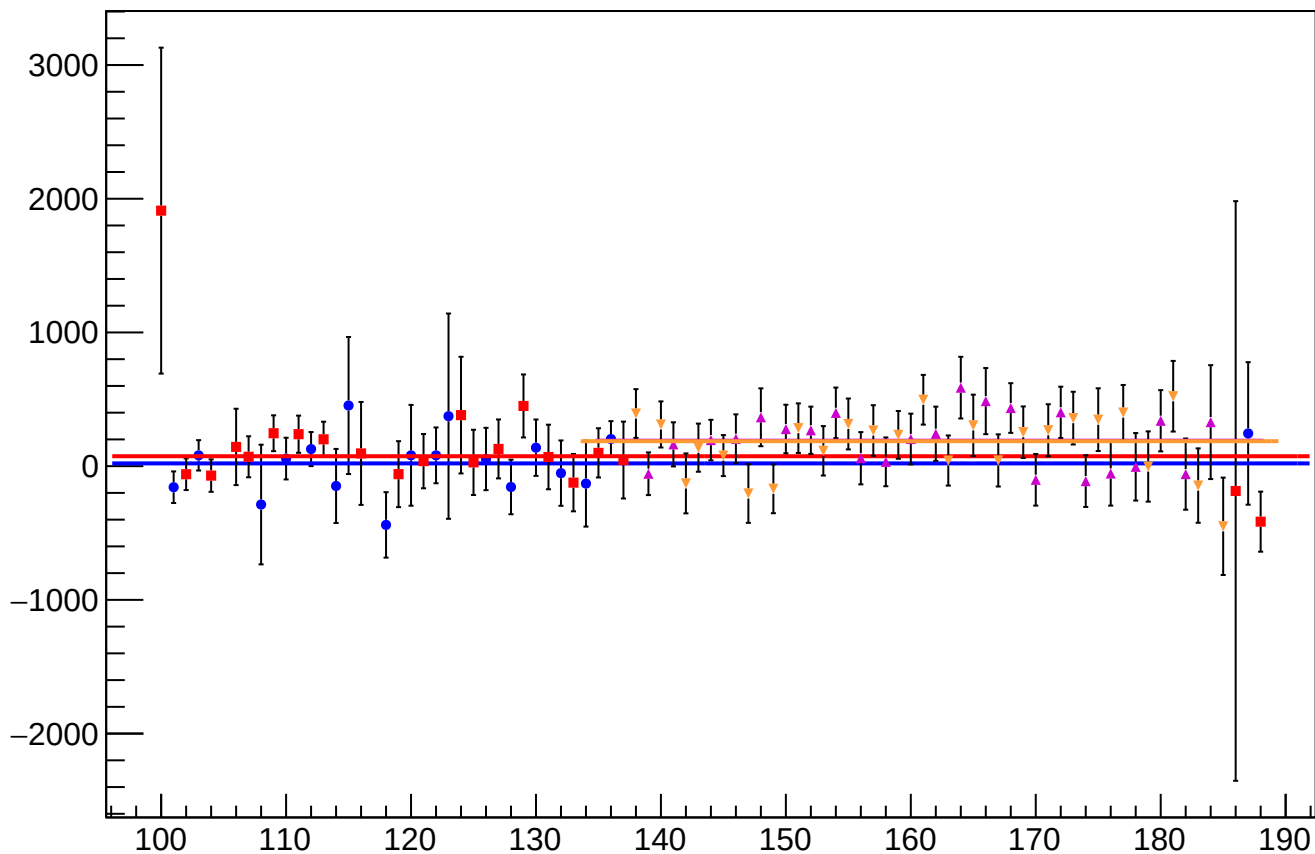
Right: 2451.245 $\pm$ 0.476 χ^2 /NDF: 2989029.0/38

In: 2121.200 $\pm$ 0.310 χ^2 /NDF: 2031071.3/40

Out: 2115.871 $\pm$ 0.301 χ^2 /NDF: 3050320.0/45

All: 2118.456 $\pm$ 0.216 χ^2 /NDF: 5081543.1/86

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 20.611+/-45.975 χ^2/NDF : 12.2/17

Left Out: 186.705+/-39.986 χ^2/NDF : 25.9/24

Right Out: 74.198+/-41.934 χ^2/NDF : 18.1/20

Left In: 190.416+/-41.307 χ^2/NDF : 21.1/22

Left: 188.500+/-28.730 χ^2/NDF : 47.0/47

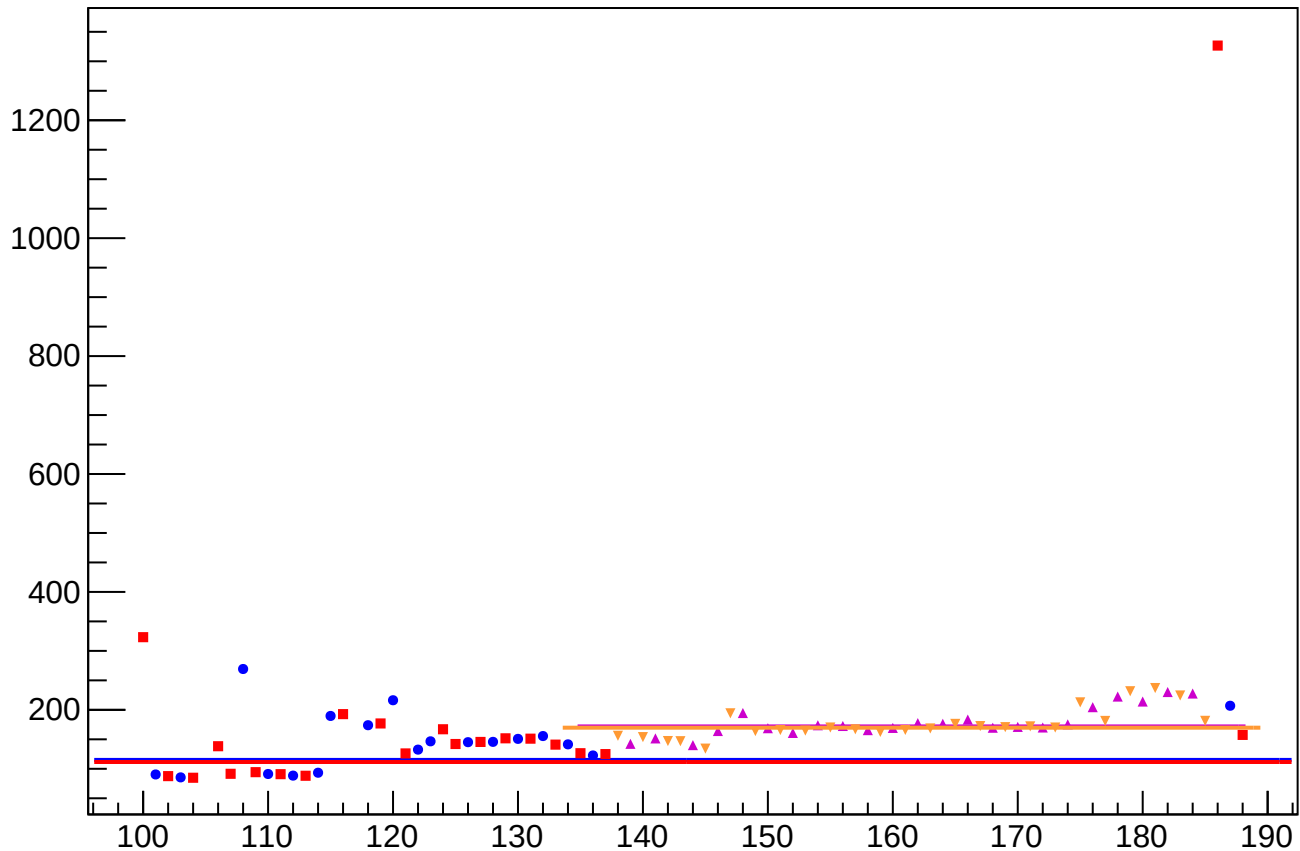
Right: 49.863+/-30.982 χ^2/NDF : 31.0/38

In: 114.570+/-30.727 χ^2/NDF : 40.8/40

Out: 133.126+/-28.938 χ^2/NDF : 47.8/45

All: 124.404+/-21.066 χ^2/NDF : 88.8/86

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 115.080 ± 0.033 $\chi^2/\text{NDF}: 1196535.2/17$

Left Out: 169.736 ± 0.028 $\chi^2/\text{NDF}: 617269.8/24$

Right Out: 111.561 ± 0.030 $\chi^2/\text{NDF}: 1661678.7/20$

Left In: 171.896 ± 0.029 $\chi^2/\text{NDF}: 546889.0/22$

Left: 170.781 ± 0.020 $\chi^2/\text{NDF}: 1166980.3/47$

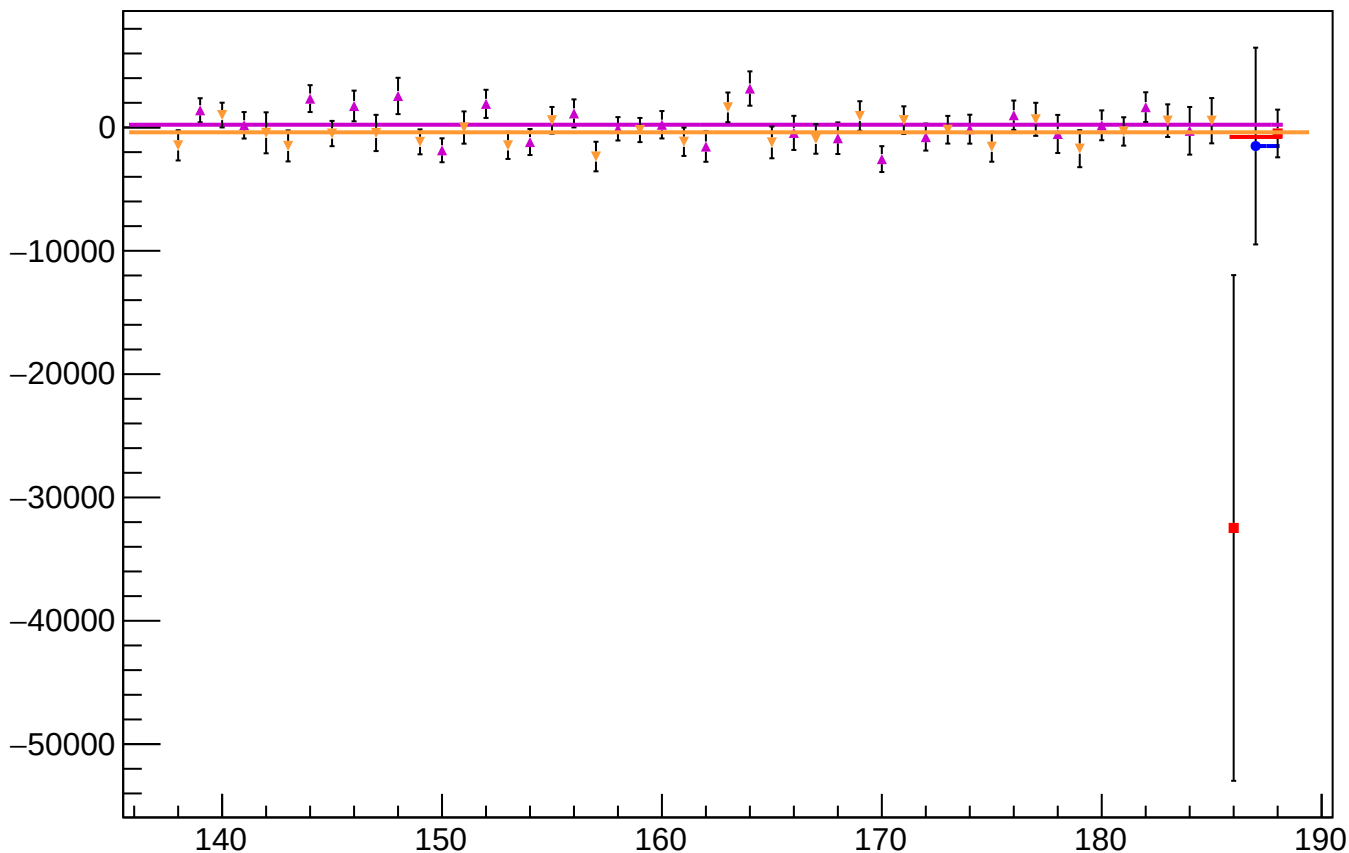
Right: 113.159 ± 0.022 $\chi^2/\text{NDF}: 2864610.9/38$

In: 146.518 ± 0.022 $\chi^2/\text{NDF}: 3433516.8/40$

Out: 142.031 ± 0.020 $\chi^2/\text{NDF}: 4295090.0/45$

All: 144.140 ± 0.015 $\chi^2/\text{NDF}: 7751205.4/86$

asym_sam5_correction_mean vs Slug, Sign Corrected



Right In: -1506.174+/-7977.306 χ^2/NDF : 0.0/0

Left Out: -391.572+/-239.900 χ^2/NDF : 17.6/24

Right Out: -769.177+/-1924.983 χ^2/NDF : 2.4/1

Left In: 222.086+/-243.855 χ^2/NDF : 36.1/22

Left: -89.759+/-171.016 χ^2/NDF : 56.9/47

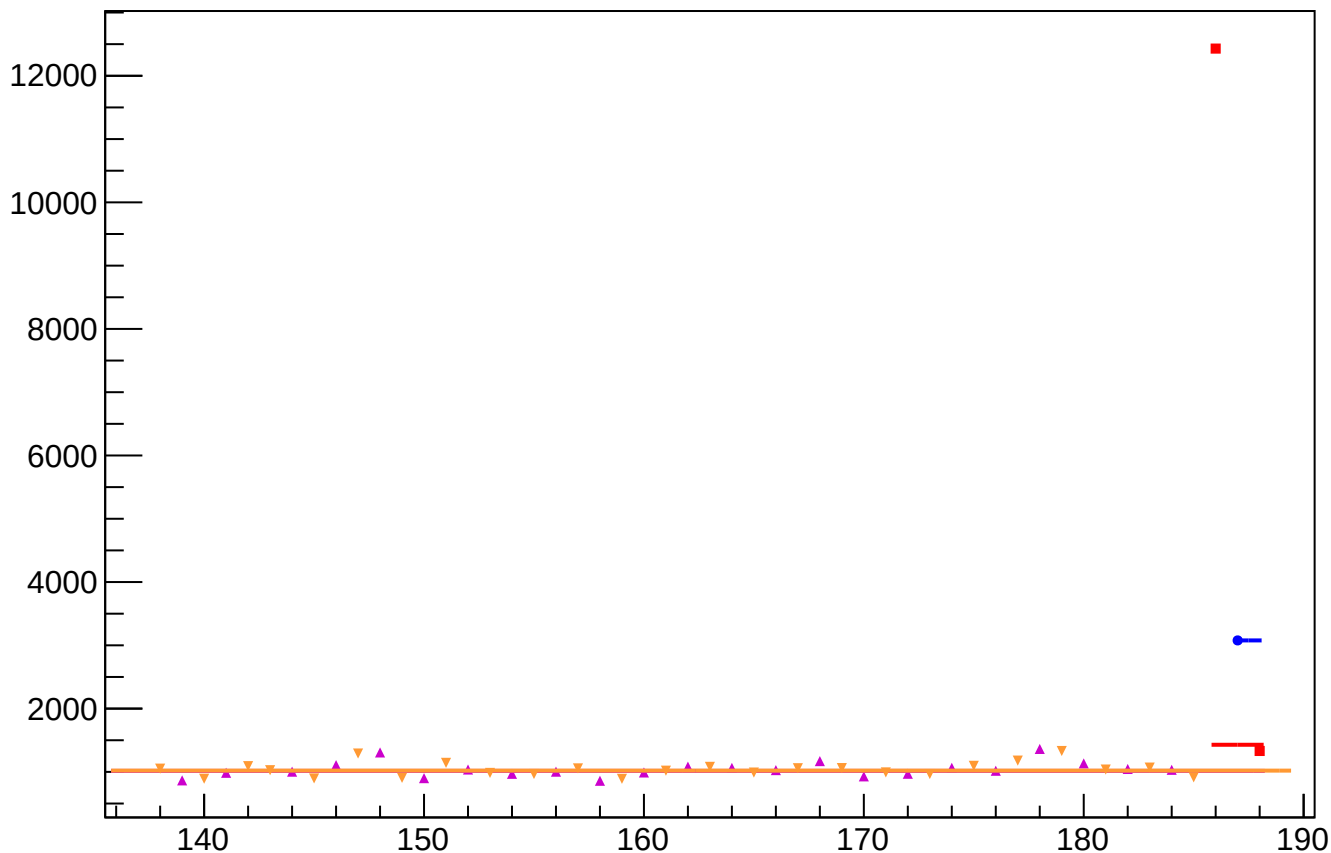
Right: -809.730+/-1871.272 χ^2/NDF : 2.4/2

In: 220.473+/-243.741 χ^2/NDF : 36.1/23

Out: -397.347+/-238.059 χ^2/NDF : 20.0/26

All: -95.722+/-170.306 χ^2/NDF : 59.4/50

asym_sam5_correction_rms vs Slug, Sign Corrected



Right In: 3077.544+/-5.641 χ^2 /NDF: 0.0/0

Left Out: 1020.064+/-0.170 χ^2 /NDF:367819.6/24

Right Out: 1428.534+/-1.361 χ^2 /NDF: 581006.5/1

Left In: 1015.345+/-0.172 χ^2 /NDF:405161.9/22

Left: 1017.743+/-0.121 χ^2 /NDF: 773362.2/47

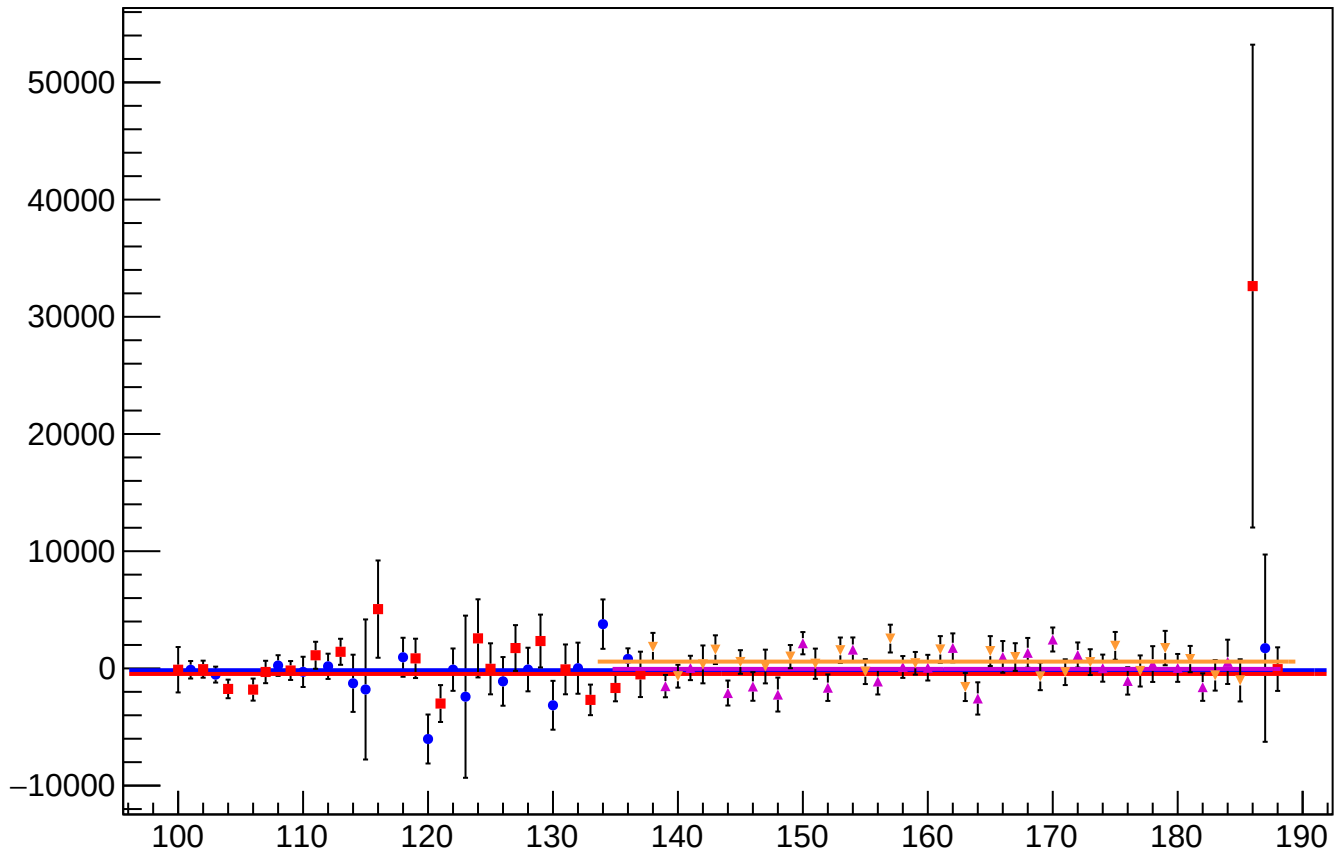
Right: 1519.271+/-1.323 χ^2 /NDF: 661764.3/2

In: 1017.270+/-0.172 χ^2 /NDF:538690.2/23

Out: 1026.311+/-0.168 χ^2 /NDF:1037501.7/26

All: 1021.897+/-0.120 χ^2 /NDF: 1577600.2/50

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: -472.830+/-279.519 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

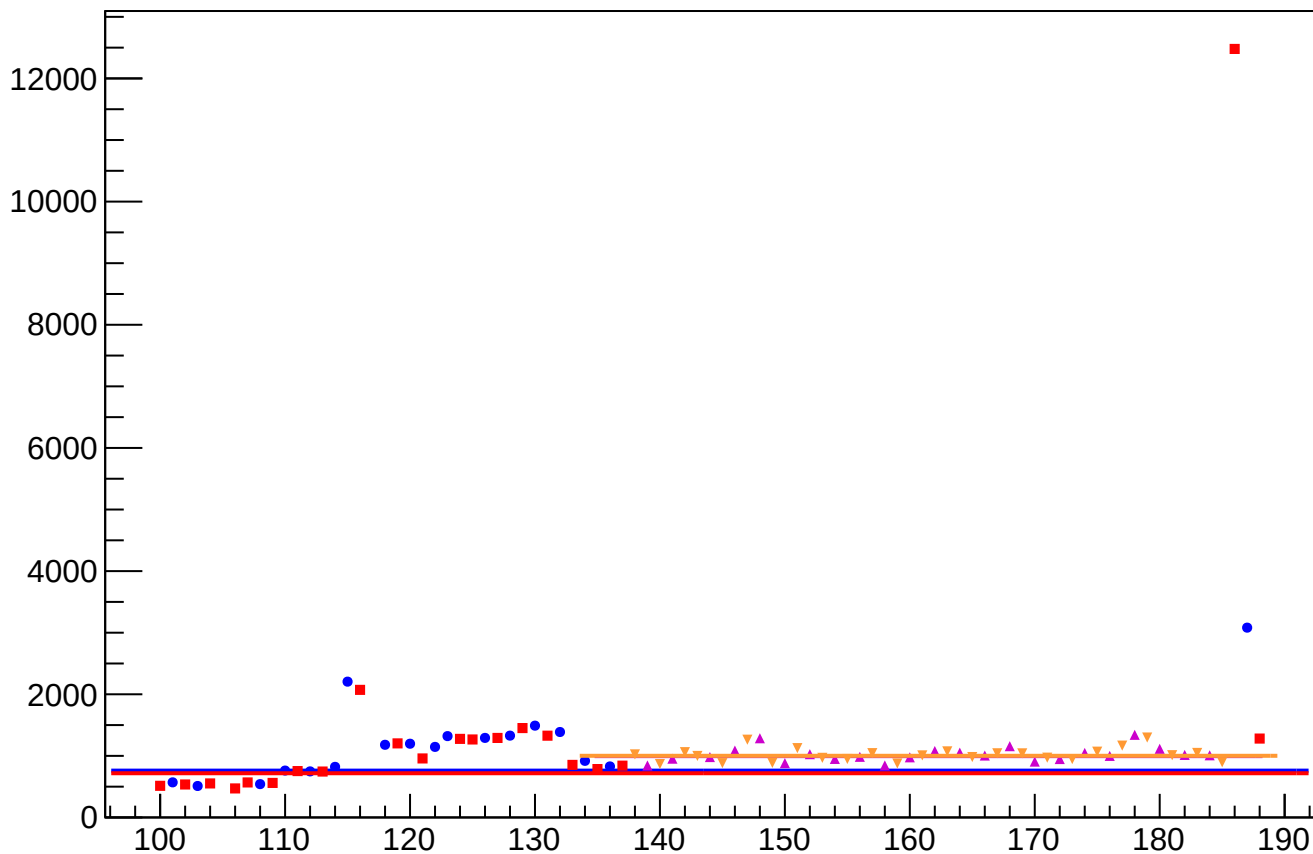
Right: -331.135+/-208.267 χ^2/NDF : 42.2/38

In: -83.796+/-189.928 χ^2/NDF : 54.3/40

Out: 142.870+/-180.137 χ^2/NDF : 52.0/45

All: 35.530+/-130.701 χ^2/NDF : 107.0/86

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: 717.896 $\pm$ 0.198 χ^2 /NDF: 2530843.6/20

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

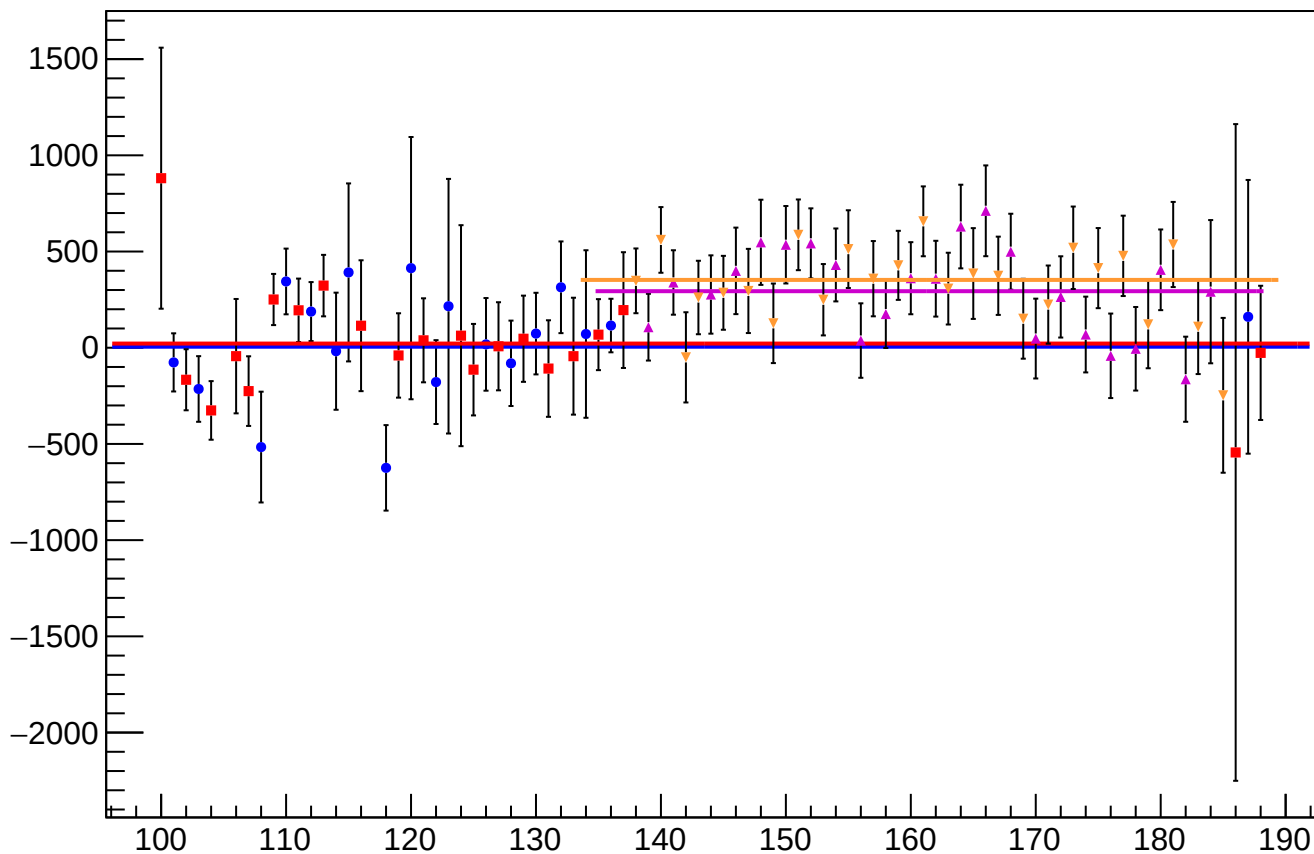
Right: 736.864 $\pm$ 0.147 χ^2 /NDF: 4431940.1/38

In: 908.631 $\pm$ 0.134 χ^2 /NDF: 3018835.4/40

Out: 883.557 $\pm$ 0.127 χ^2 /NDF: 4102641.1/45

All: 895.431 $\pm$ 0.092 χ^2 /NDF: 7139827.2/86

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: 5.380+/-52.367 χ^2/NDF : 23.1/17

Left Out: 352.474+/-40.625 χ^2/NDF : 19.0/24

Right Out: 21.631+/-47.392 χ^2/NDF : 19.1/20

Left In: 293.836+/-42.346 χ^2/NDF : 27.2/22

Left: 324.370+/-29.316 χ^2/NDF : 47.2/47

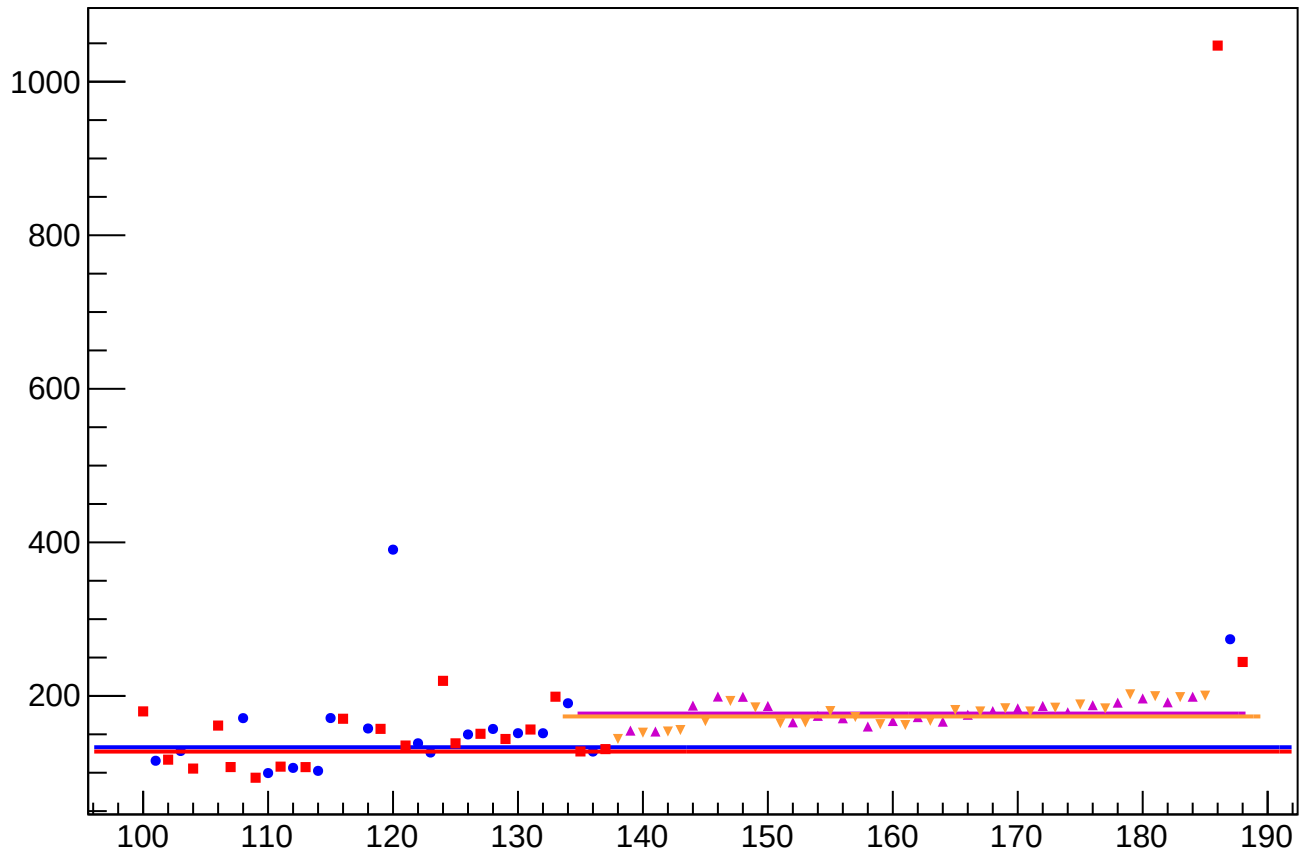
Right: 14.314+/-35.139 χ^2/NDF : 42.3/38

In: 179.790+/-32.927 χ^2/NDF : 68.7/40

Out: 212.336+/-30.844 χ^2/NDF : 66.2/45

All: 197.125+/-22.510 χ^2/NDF : 135.4/86

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 133.171 $\pm$ 0.037 χ^2/NDF : 722539.1/17

Left Out: 173.289 $\pm$ 0.029 χ^2/NDF : 298673.2/24

Right Out: 127.540 $\pm$ 0.034 χ^2/NDF : 1404384.5/20

Left In: 177.014 $\pm$ 0.030 χ^2/NDF : 214761.6/22

Left: 175.074 $\pm$ 0.021 χ^2/NDF : 521493.1/47

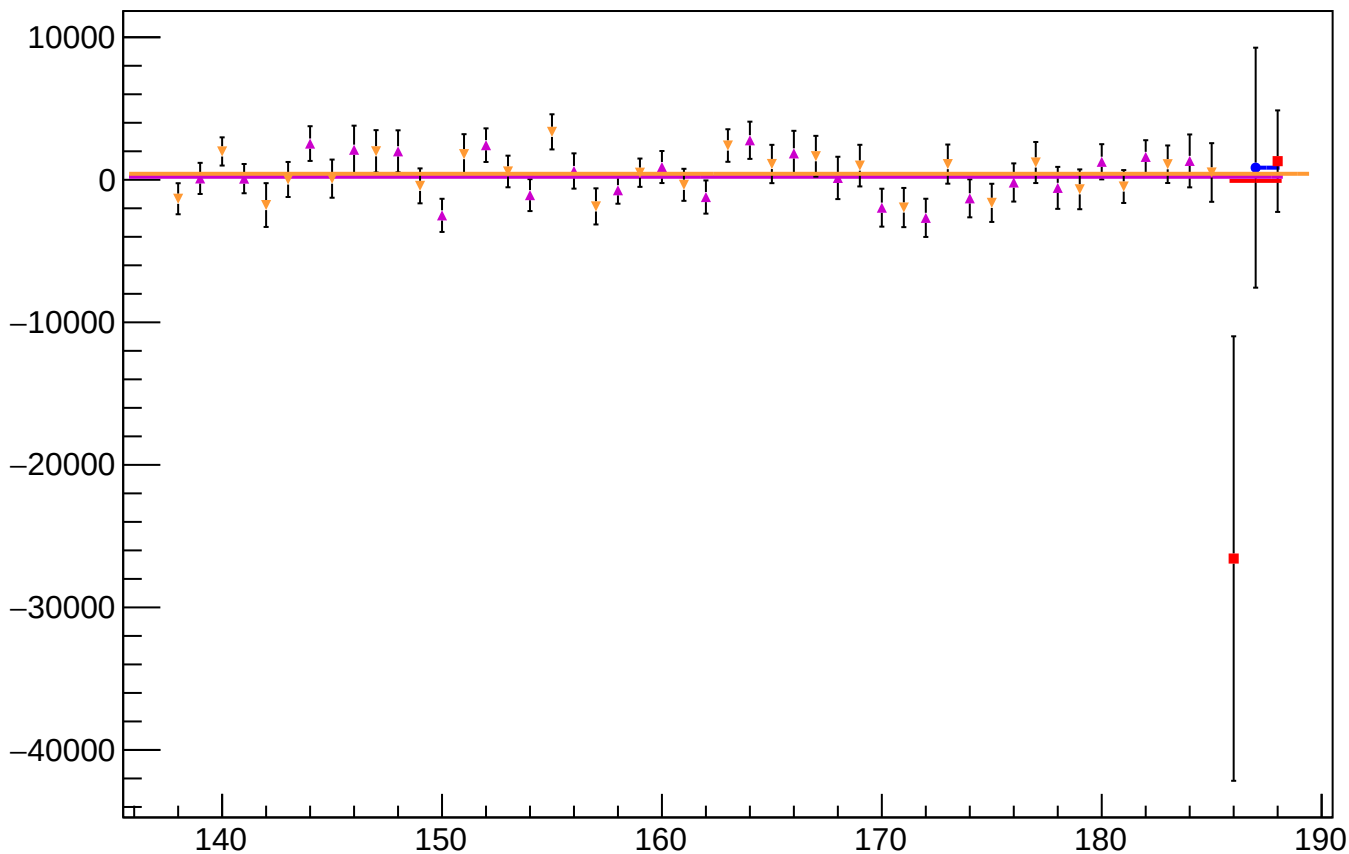
Right: 130.076 $\pm$ 0.025 χ^2/NDF : 2139635.6/38

In: 159.680 $\pm$ 0.023 χ^2/NDF : 1784923.3/40

Out: 153.911 $\pm$ 0.022 χ^2/NDF : 2777346.1/45

All: 156.607 $\pm$ 0.016 χ^2/NDF : 4594971.0/86

asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: 850.471 $\pm$ 8418.809 χ^2 /NDF: 0.0/0

Left Out: 421.336 $\pm$ 254.085 χ^2 /NDF:30.8/24

Right Out: -75.282 $\pm$ 3472.229 χ^2 /NDF: 3.0/1

Left In: 211.788 $\pm$ 261.282 χ^2 /NDF:36.0/22

Left: 319.488 $\pm$ 182.156 χ^2 /NDF: 67.2/47

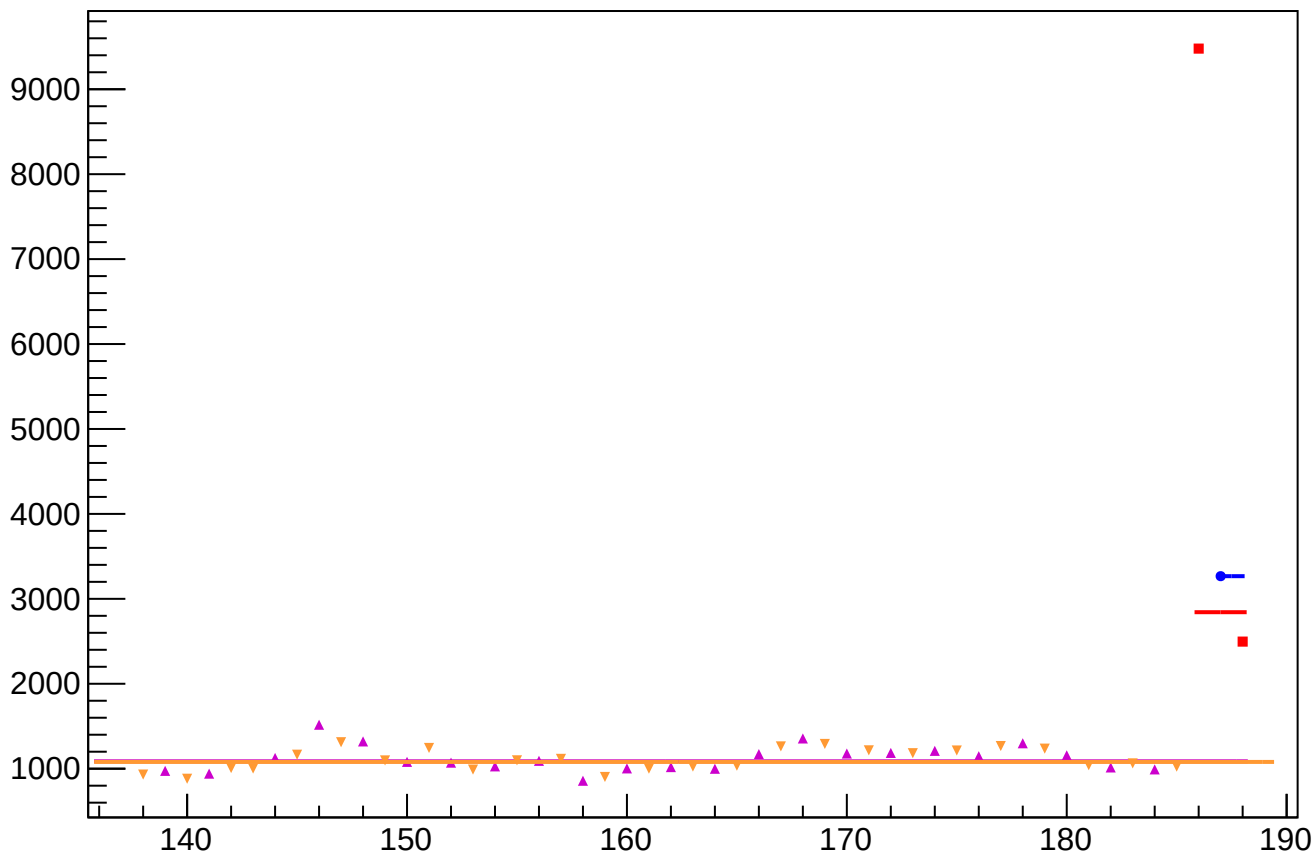
Right: 59.299 $\pm$ 3209.934 χ^2 /NDF: 3.0/2

In: 212.403 $\pm$ 261.156 χ^2 /NDF:36.0/23

Out: 418.691 $\pm$ 253.407 χ^2 /NDF:33.9/26

All: 318.653 $\pm$ 181.864 χ^2 /NDF: 70.2/50

asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 3266.808+/-5.953 χ^2 /NDF: 0.0/0

Left Out: 1079.699+/-0.180 χ^2 /NDF:498852.6/24

Right Out: 2842.673+/-2.455 χ^2 /NDF: 381158.5/1

Left In: 1086.990+/-0.185 χ^2 /NDF:567926.2/22

Left: 1083.243+/-0.129 χ^2 /NDF: 1067579.0/47

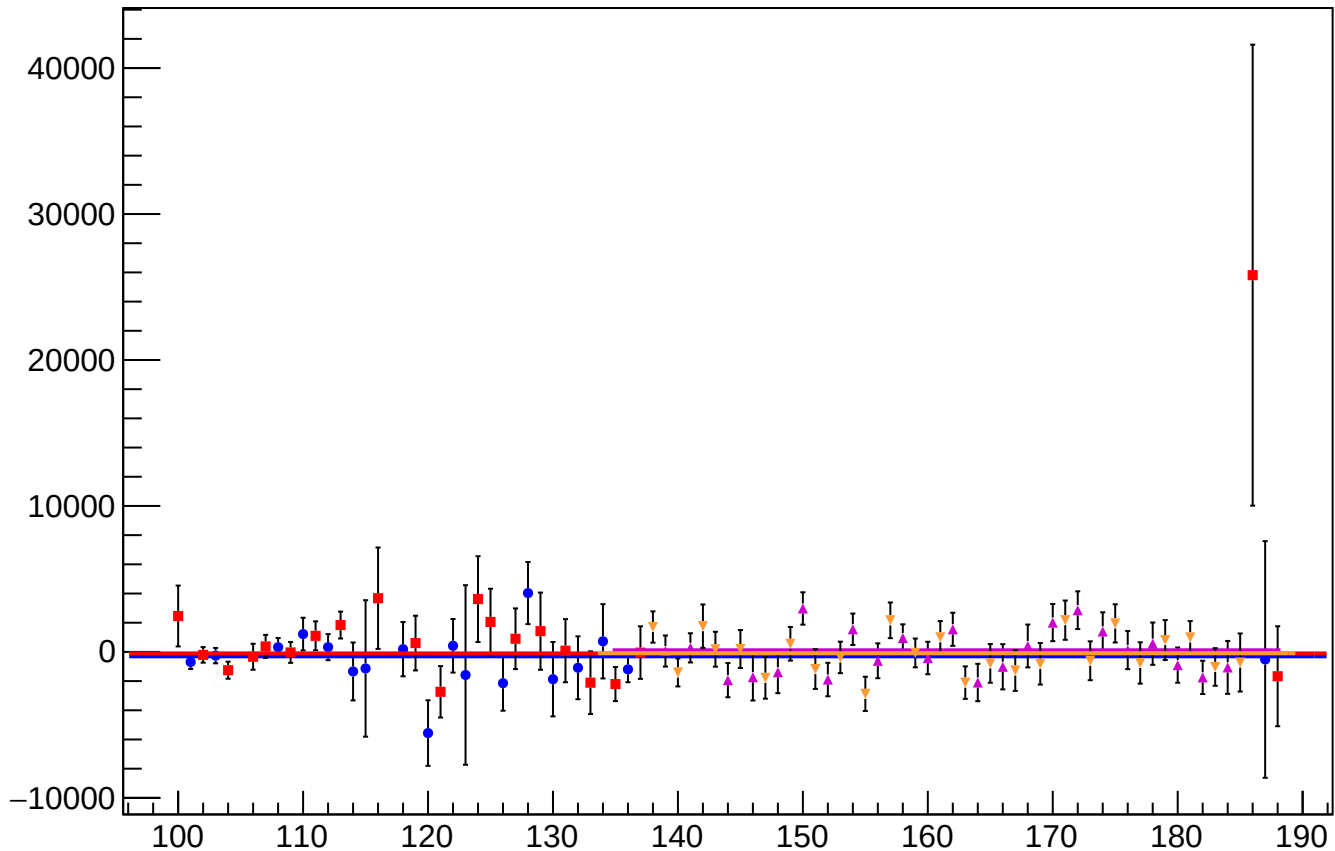
Right: 2904.331+/-2.270 χ^2 /NDF: 385496.8/2

In: 1089.087+/-0.185 χ^2 /NDF:701878.8/23

Out: 1089.089+/-0.179 χ^2 /NDF:1392855.3/26

All: 1089.088+/-0.129 χ^2 /NDF: 2094734.1/50

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: -102.643+/-245.319 χ^2/NDF : 25.4/20

Left In: 110.879+/-254.337 χ^2/NDF : 35.2/22

Left: 7.800+/-177.292 χ^2/NDF : 66.4/47

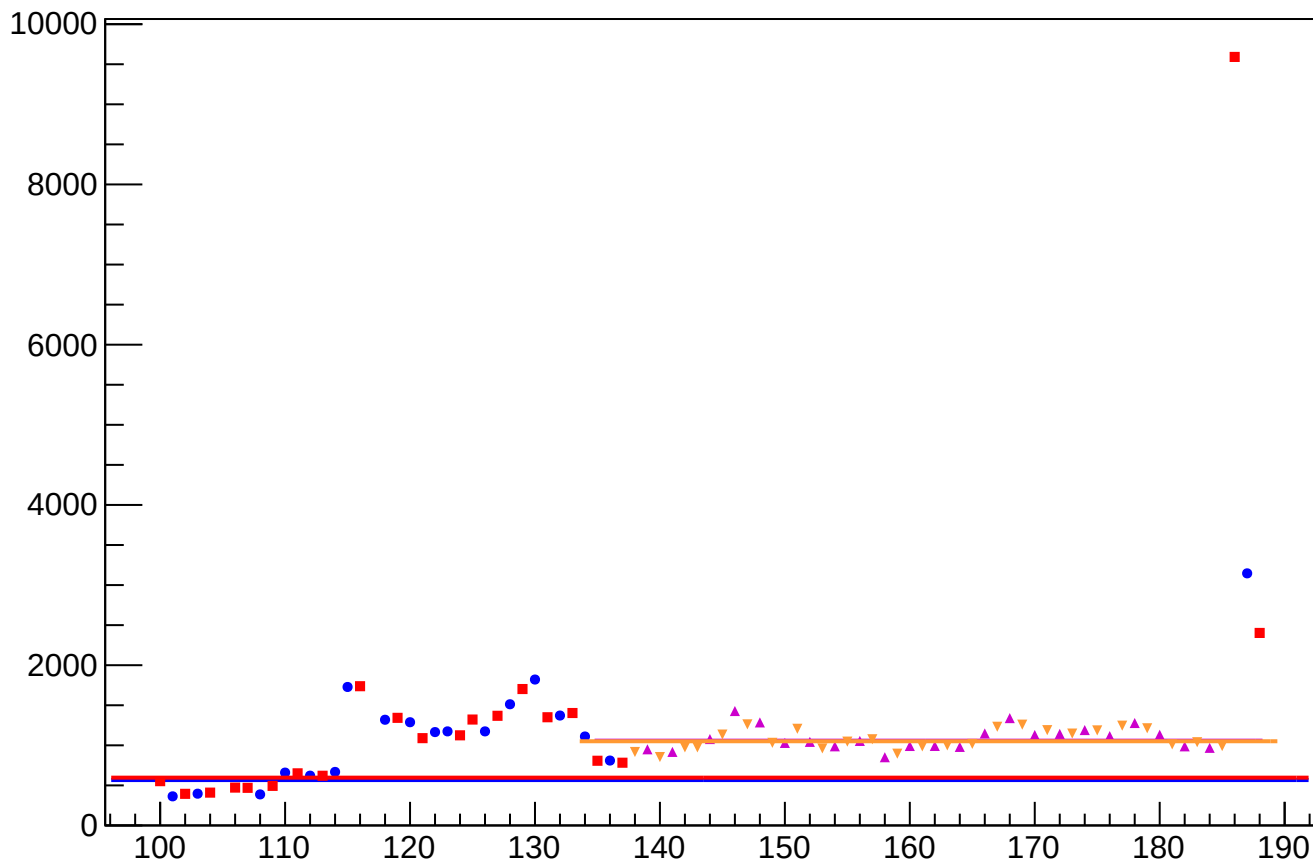
Right: -200.079+/-175.072 χ^2/NDF : 42.6/38

In: -98.770+/-178.263 χ^2/NDF : 53.3/40

Out: -96.189+/-174.153 χ^2/NDF : 56.4/45

All: -97.449+/-124.572 χ^2/NDF : 109.7/86

asym_sam6_rms vs Slug, Sign Corrected



Right In: 566.458+/-0.177 χ^2/NDF : 3464253.3/17

Left Out: 1050.918+/-0.175 χ^2/NDF : 483477.5/24

Right Out: 596.569+/-0.173 χ^2/NDF : 4030331.1/20

Left In: 1058.154+/-0.180 χ^2/NDF : 532260.0/22

Left: 1054.434+/-0.125 χ^2/NDF : 1016569.7/47

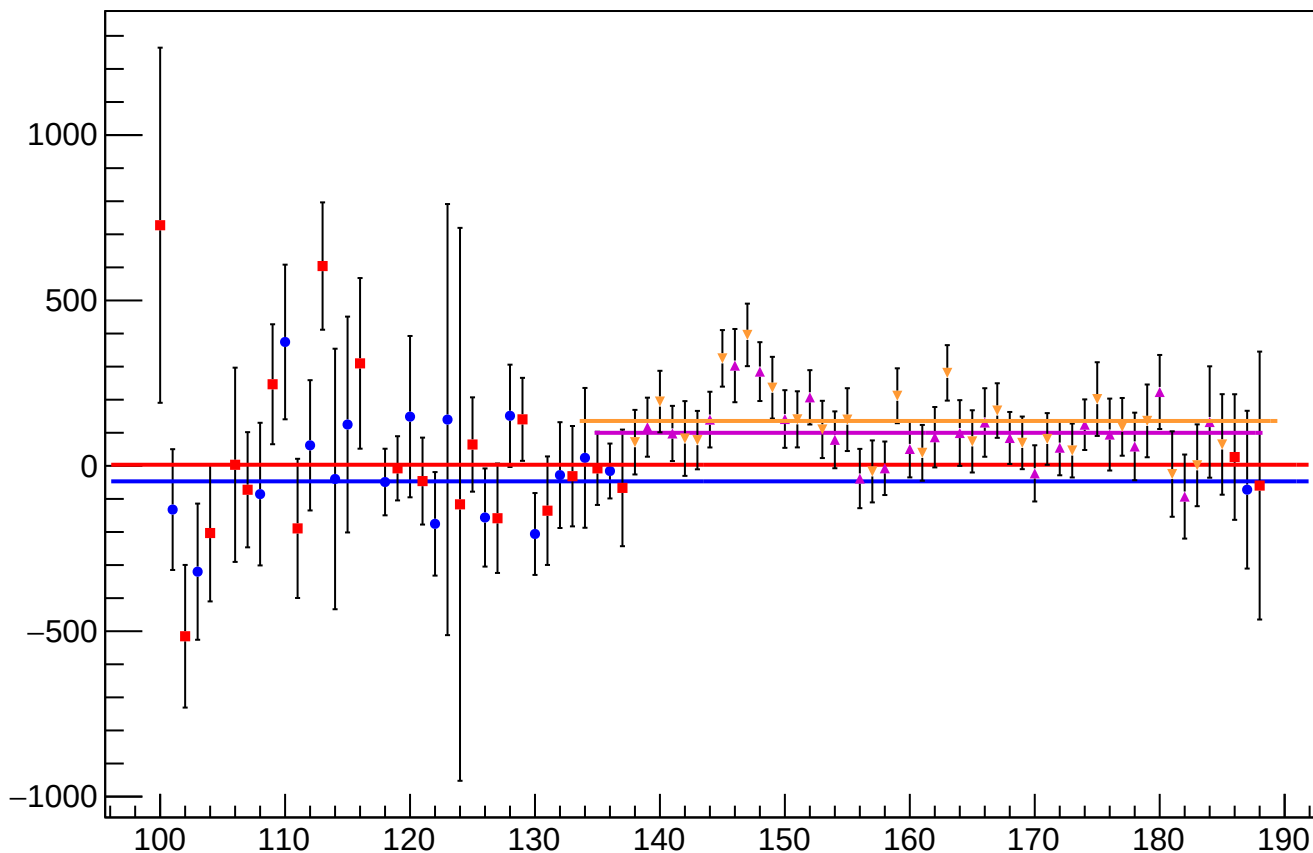
Right: 581.794+/-0.124 χ^2/NDF : 7509370.4/38

In: 808.002+/-0.126 χ^2/NDF : 7799362.3/40

Out: 821.944+/-0.123 χ^2/NDF : 7916799.5/45

All: 815.136+/-0.088 χ^2/NDF : 15722420.7/80

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -46.889 ± 38.620 $\chi^2/\text{NDF}: 11.4/17$

Left Out: 135.693 ± 18.535 $\chi^2/\text{NDF}: 29.3/24$

Right Out: 3.319 ± 36.985 $\chi^2/\text{NDF}: 26.1/20$

Left In: 99.843 ± 19.131 $\chi^2/\text{NDF}: 20.8/22$

Left: 118.336 ± 13.312 $\chi^2/\text{NDF}: 51.9/47$

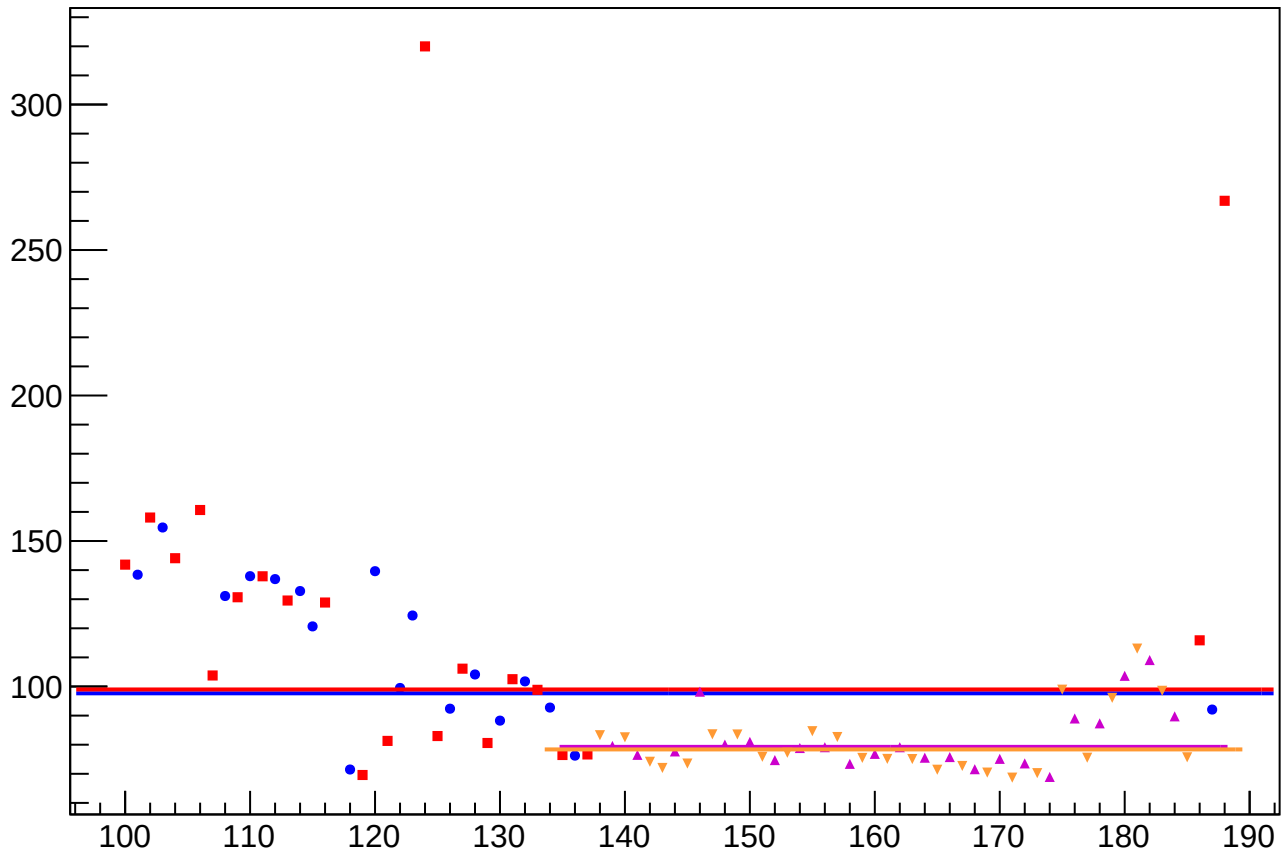
Right: -20.700 ± 26.712 $\chi^2/\text{NDF}: 38.3/38$

In: 70.931 ± 17.143 $\chi^2/\text{NDF}: 43.7/40$

Out: 109.122 ± 16.570 $\chi^2/\text{NDF}: 65.6/45$

All: 90.675 ± 11.914 $\chi^2/\text{NDF}: 111.9/86$

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 97.657+/-0.027 χ^2/NDF : 818087.9/17

Left Out: 78.378+/-0.013 χ^2/NDF : 475195.2/24

Right Out: 98.982+/-0.026 χ^2/NDF : 1461525.7/20

Left In: 79.257+/-0.014 χ^2/NDF : 396950.5/22

Left: 78.804+/-0.009 χ^2/NDF : 874323.4/47

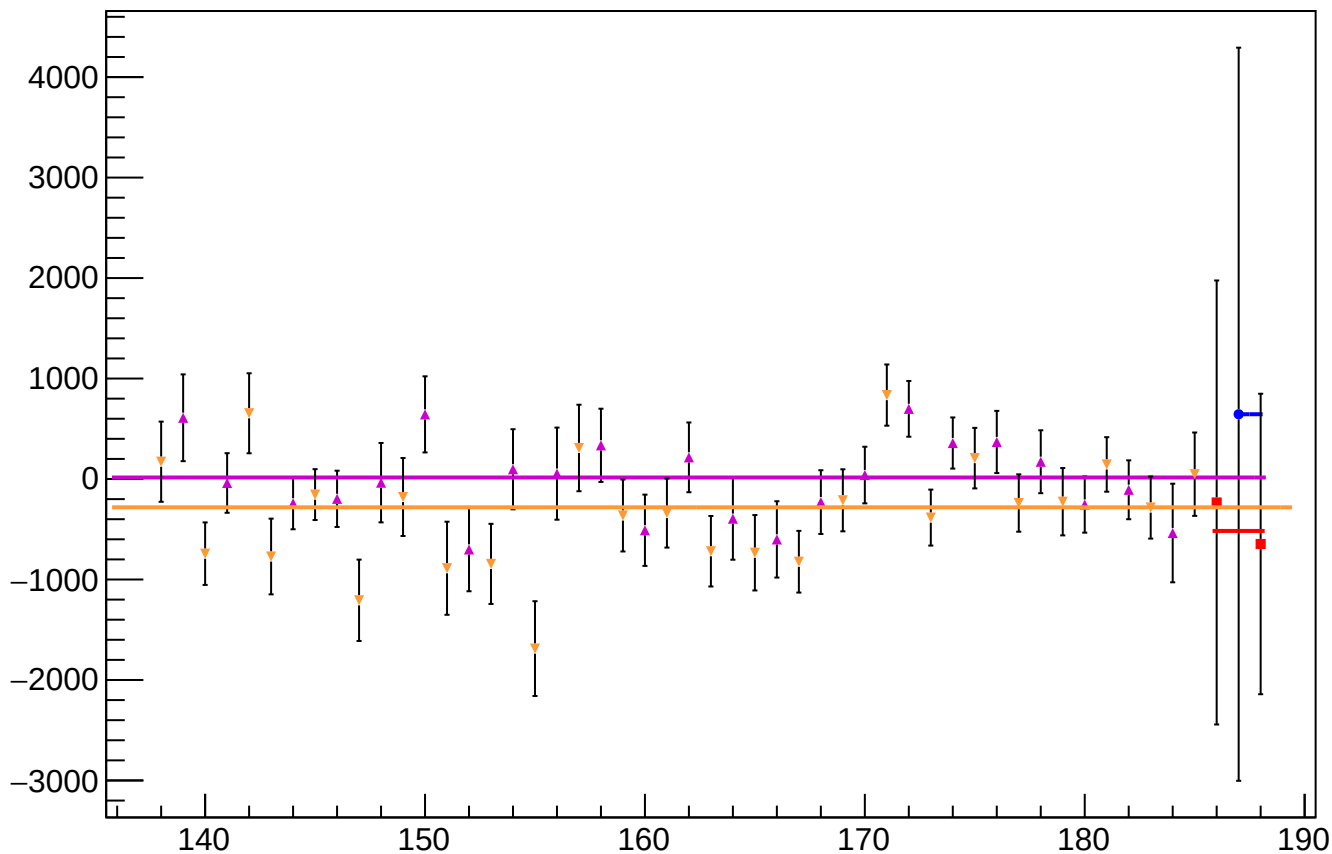
Right: 98.348+/-0.019 χ^2/NDF : 2280842.2/38

In: 82.882+/-0.012 χ^2/NDF : 1579556.5/40

Out: 82.514+/-0.012 χ^2/NDF : 2432829.2/45

All: 82.692+/-0.008 χ^2/NDF : 4012863.8/86

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: 644.789 $\pm$ 3648.156 χ^2/NDF : 0.0/0

Left Out: -281.673 $\pm$ 67.809 χ^2/NDF :56.4/24

Right Out: -516.744 $\pm$ 1238.295 χ^2/NDF : 0.0/1

Left In: 15.153 $\pm$ 68.755 χ^2/NDF :28.6/22

Left: -135.316 $\pm$ 48.279 χ^2/NDF : 94.4/47

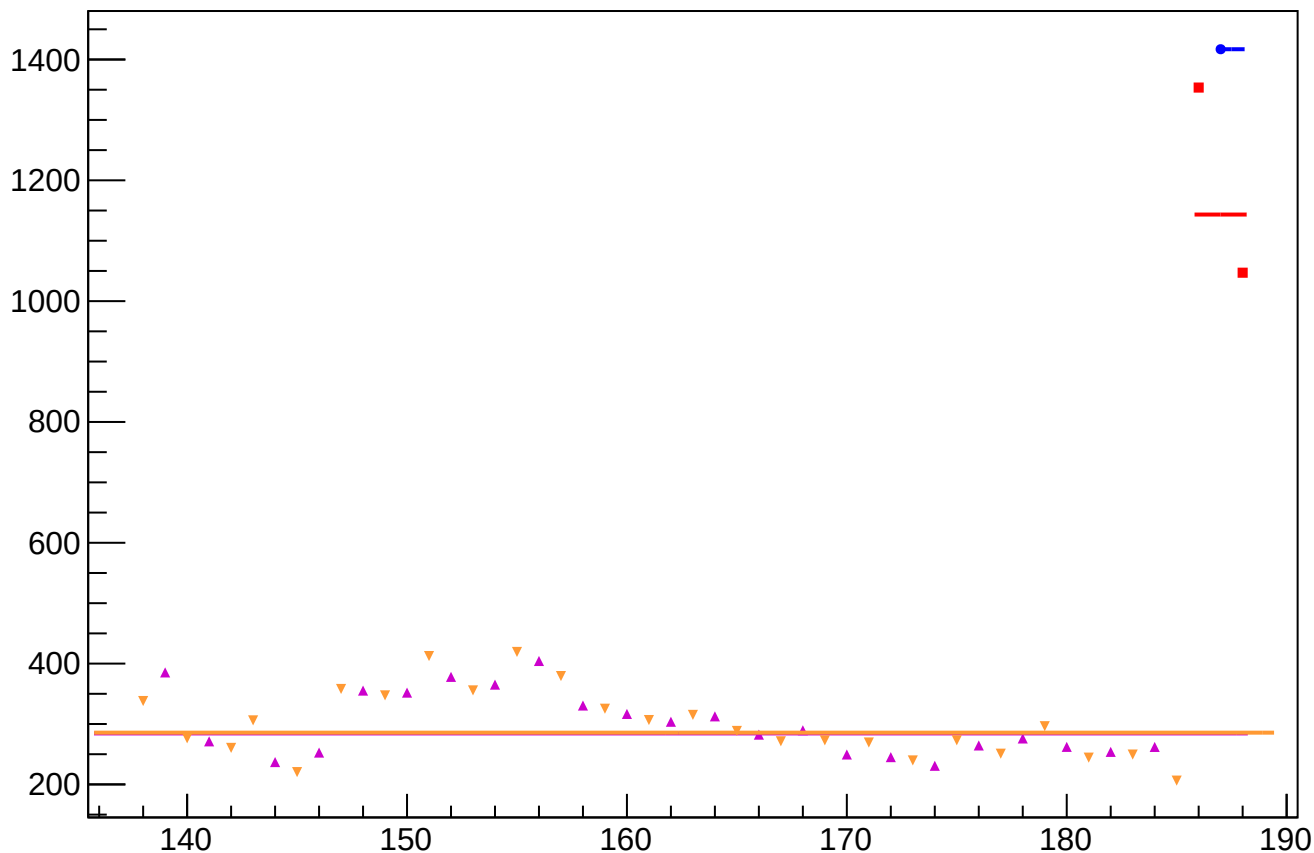
Right: -396.746 $\pm$ 1172.588 χ^2/NDF : 0.1/2

In: 15.377 $\pm$ 68.743 χ^2/NDF :28.6/23

Out: -282.376 $\pm$ 67.707 χ^2/NDF :56.4/26

All: -135.758 $\pm$ 48.238 χ^2/NDF : 94.6/50

asym_sam7_correction_rms vs Slug, Sign Corrected



Right In: 1417.012 $\pm$ 2.580 χ^2 /NDF: 0.0/0

Left Out: 285.688 $\pm$ 0.048 χ^2 /NDF:1061075.8/24

Right Out: 1143.351 $\pm$ 0.876 χ^2 /NDF: 26395.5/1

Left In: 284.386 $\pm$ 0.049 χ^2 /NDF:926965.8/22

Left: 285.046 $\pm$ 0.034 χ^2 /NDF: 1988405.5/47

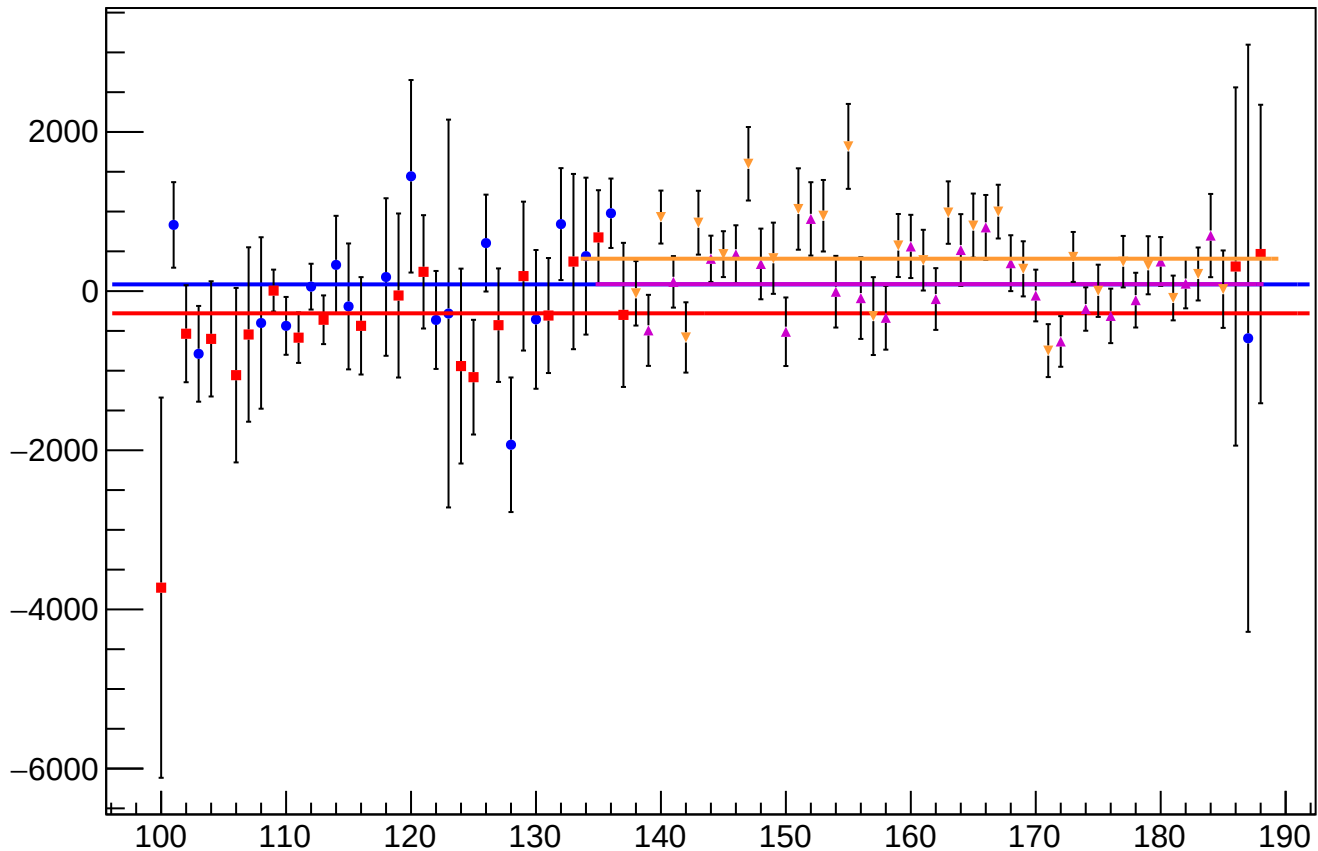
Right: 1171.623 $\pm$ 0.829 χ^2 /NDF: 36486.9/2

In: 284.788 $\pm$ 0.049 χ^2 /NDF:1119675.1/23

Out: 288.253 $\pm$ 0.048 χ^2 /NDF:2044036.0/26

All: 286.546 $\pm$ 0.034 χ^2 /NDF: 3166289.8/50

asym_sam7_mean vs Slug, Sign Corrected



Right In: 84.798 $\pm$ 142.494 χ^2 /NDF: 20.6/17

Left Out: 407.375 $\pm$ 74.730 χ^2 /NDF: 53.0/24

Right Out: -278.948 $\pm$ 129.078 χ^2 /NDF: 10.8/20

Left In: 87.657 $\pm$ 76.572 χ^2 /NDF: 27.4/22

Left: 251.406 $\pm$ 53.481 χ^2 /NDF: 89.4/47

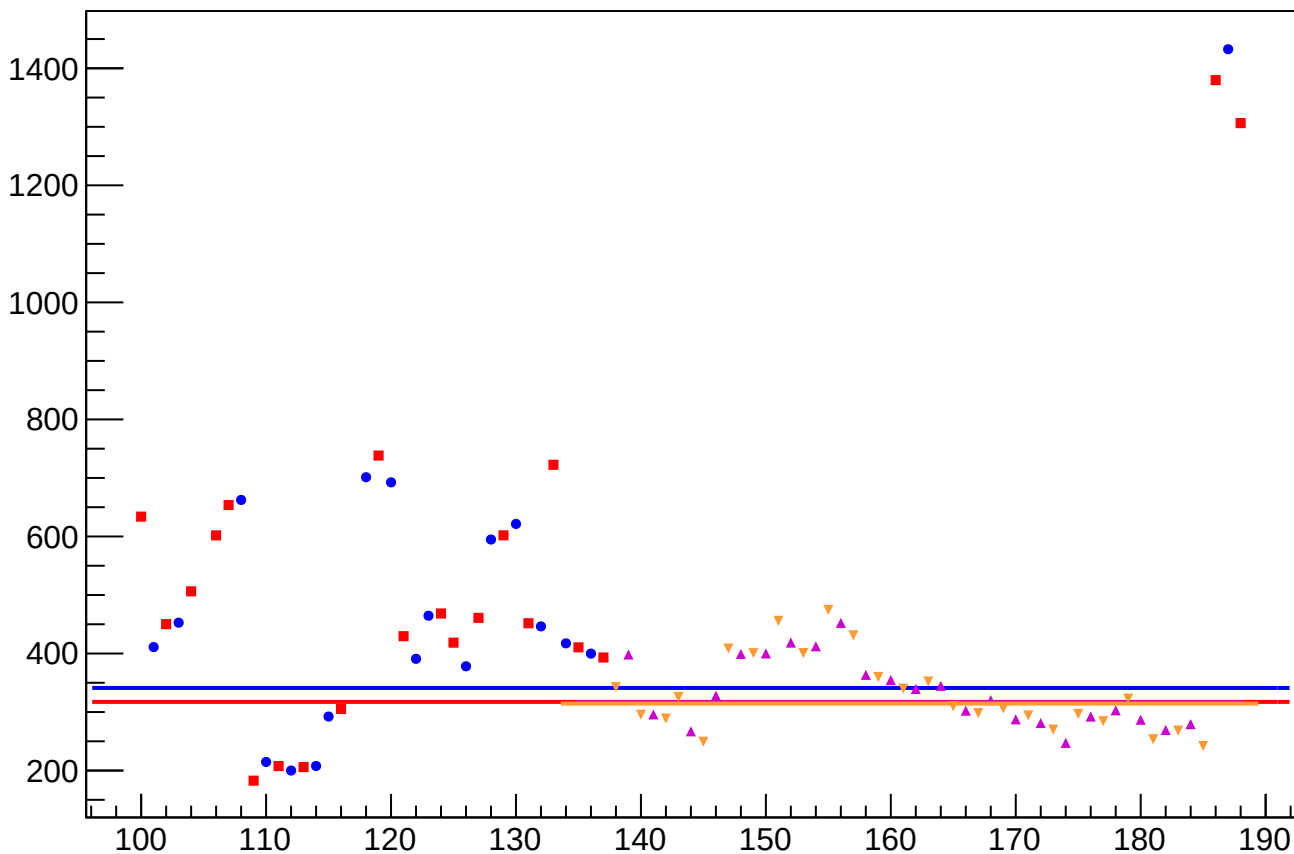
Right: -115.001 $\pm$ 95.664 χ^2 /NDF: 35.0/38

In: 87.016 $\pm$ 67.450 χ^2 /NDF: 48.0/40

Out: 235.079 $\pm$ 64.673 χ^2 /NDF: 85.0/45

All: 164.157 $\pm$ 46.682 χ^2 /NDF: 135.6/86

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: 317.348+/-0.091 χ^2/NDF : 3739959.8/20

Left In: 316.616+/-0.054 χ^2/NDF : 929652.0/22

Left: 315.484+/-0.038 χ^2/NDF : 2042751.4/47

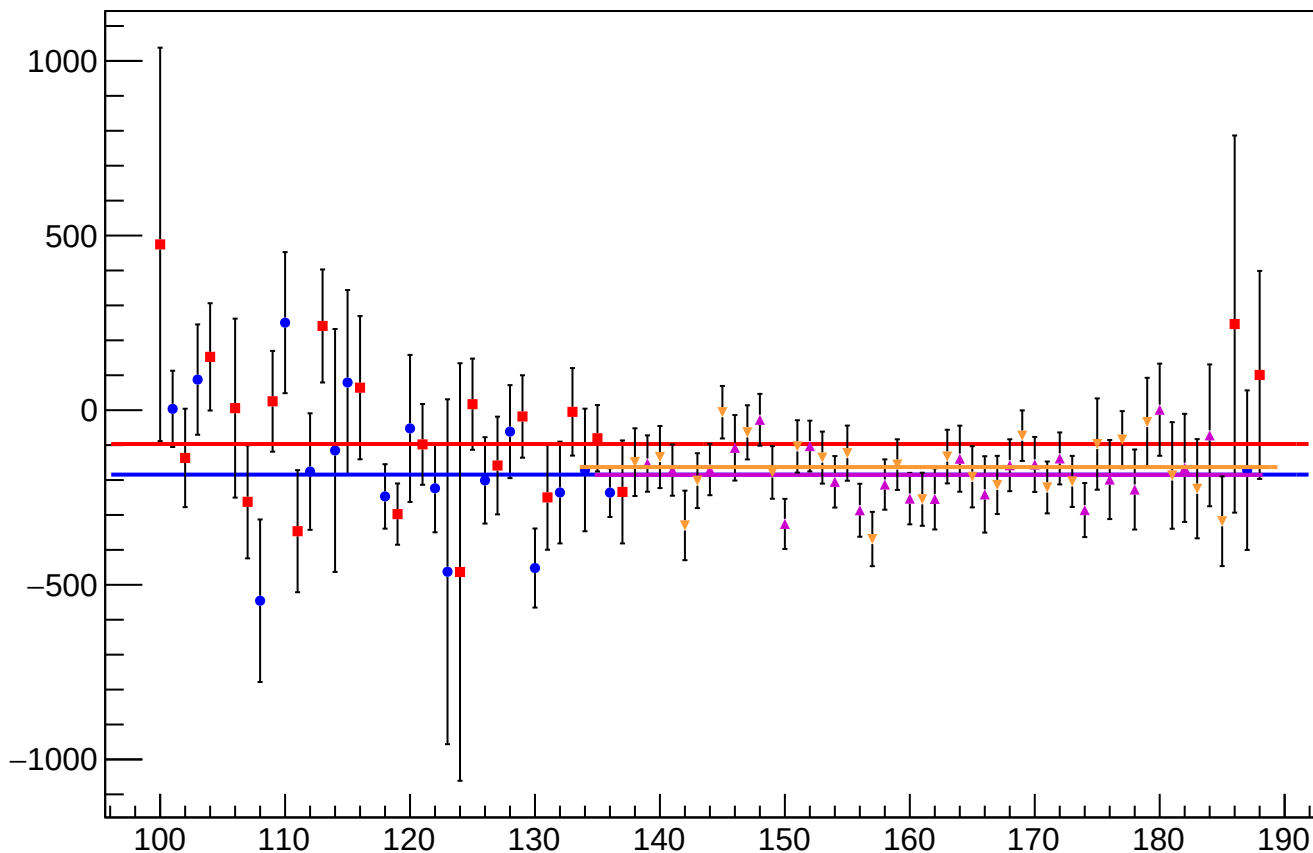
Right: 328.091+/-0.068 χ^2/NDF : 5988235.5/38

In: 322.121+/-0.048 χ^2/NDF : 3193318.4/40

Out: 315.144+/-0.046 χ^2/NDF : 4852983.6/45

All: 318.486+/-0.033 χ^2/NDF : 8057451.7/86

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -184.468 ± 32.670 $\chi^2/\text{NDF}: 22.4/17$

Left Out: -162.932 ± 16.926 $\chi^2/\text{NDF}: 25.7/24$

Right Out: -96.887 ± 32.262 $\chi^2/\text{NDF}: 23.0/20$

Left In: -185.213 ± 17.594 $\chi^2/\text{NDF}: 19.4/22$

Left: -173.642 ± 12.198 $\chi^2/\text{NDF}: 46.0/47$

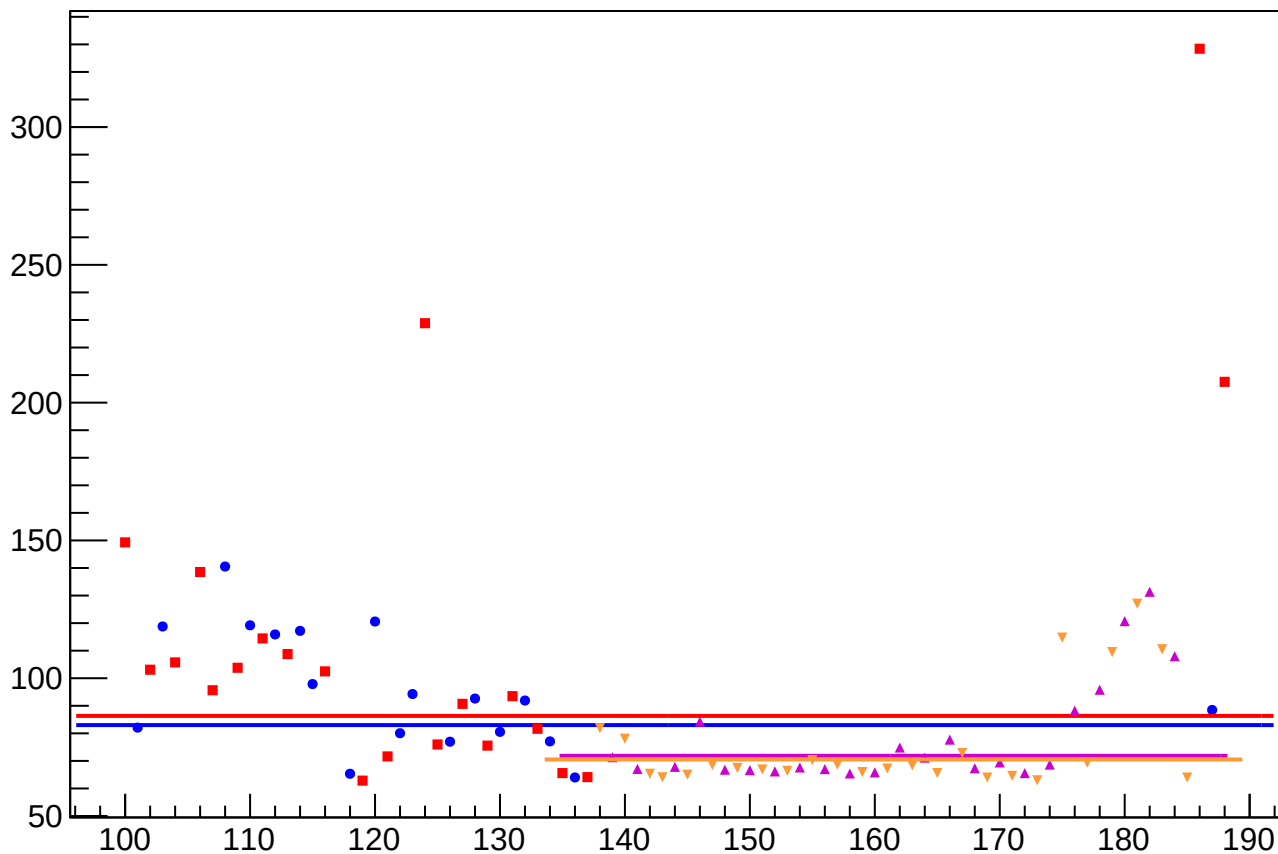
Right: -140.128 ± 22.956 $\chi^2/\text{NDF}: 49.1/38$

In: -185.046 ± 15.490 $\chi^2/\text{NDF}: 41.8/40$

Out: -148.677 ± 14.989 $\chi^2/\text{NDF}: 52.1/45$

All: -166.263 ± 10.771 $\chi^2/\text{NDF}: 96.7/86$

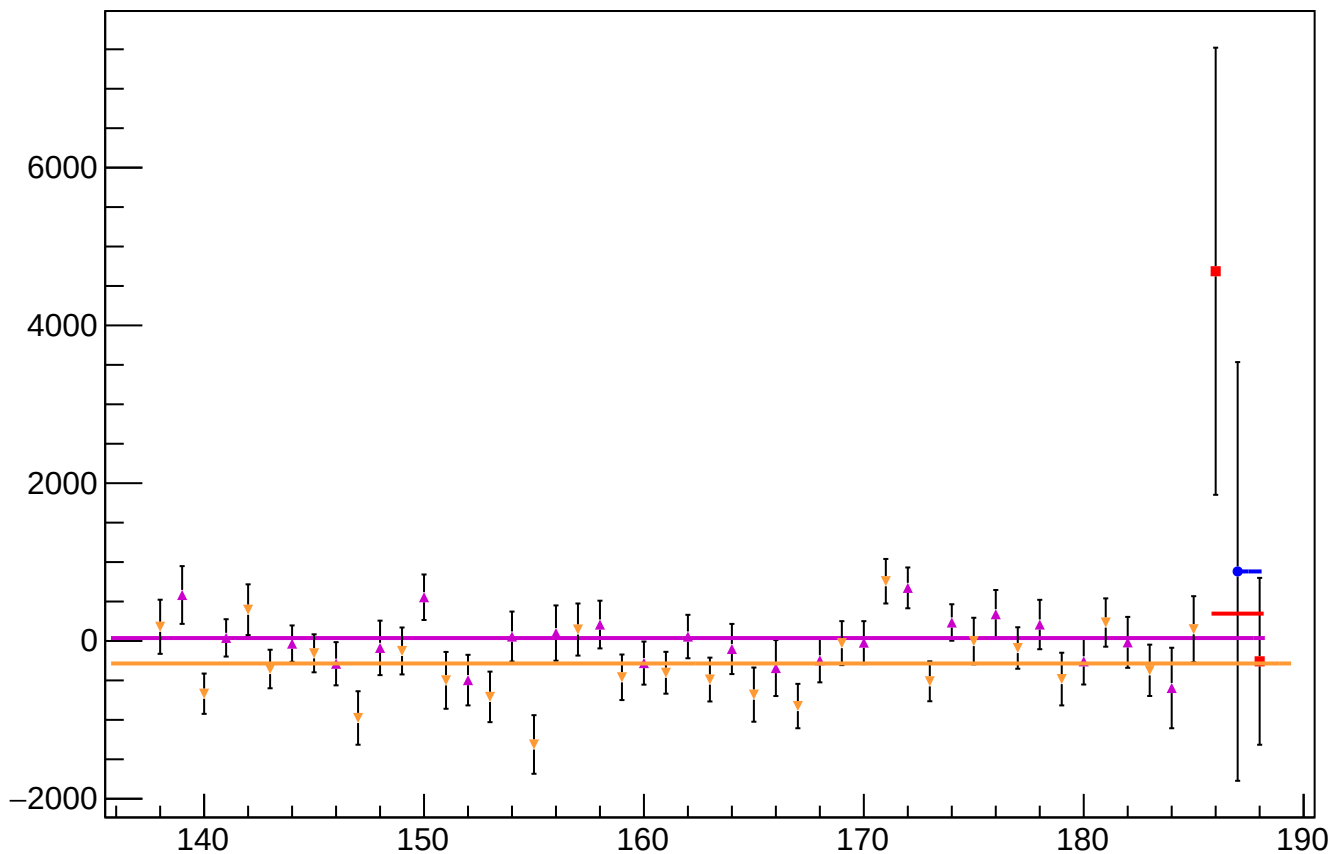
dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 82.995 $\pm$ 0.023 χ^2 /NDF: 707600.6/17
 Left Out: 70.521 $\pm$ 0.012 χ^2 /NDF: 1016625.6/24
 Right Out: 86.336 $\pm$ 0.023 χ^2 /NDF: 1509112.6/20
 Left In: 71.843 $\pm$ 0.012 χ^2 /NDF: 923326.2/22

Left: 71.157 $\pm$ 0.009 χ^2 /NDF: 1945818.6/47
 Right: 84.686 $\pm$ 0.016 χ^2 /NDF: 2227299.4/38
 In: 74.350 $\pm$ 0.011 χ^2 /NDF: 1811581.0/40
 Out: 73.934 $\pm$ 0.011 χ^2 /NDF: 2902594.5/45
 All: 74.136 $\pm$ 0.008 χ^2 /NDF: 4714920.1/86

asym_sam8_correction_mean vs Slug, Sign Corrected



Right In: 881.304 ± 2653.777 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -285.231 ± 59.396 $\chi^2/\text{NDF}: 52.1/24$

Right Out: 346.573 ± 990.959 $\chi^2/\text{NDF}: 2.7/1$

Left In: 36.923 ± 61.202 $\chi^2/\text{NDF}: 24.6/22$

Left: -128.979 ± 42.623 $\chi^2/\text{NDF}: 90.9/47$

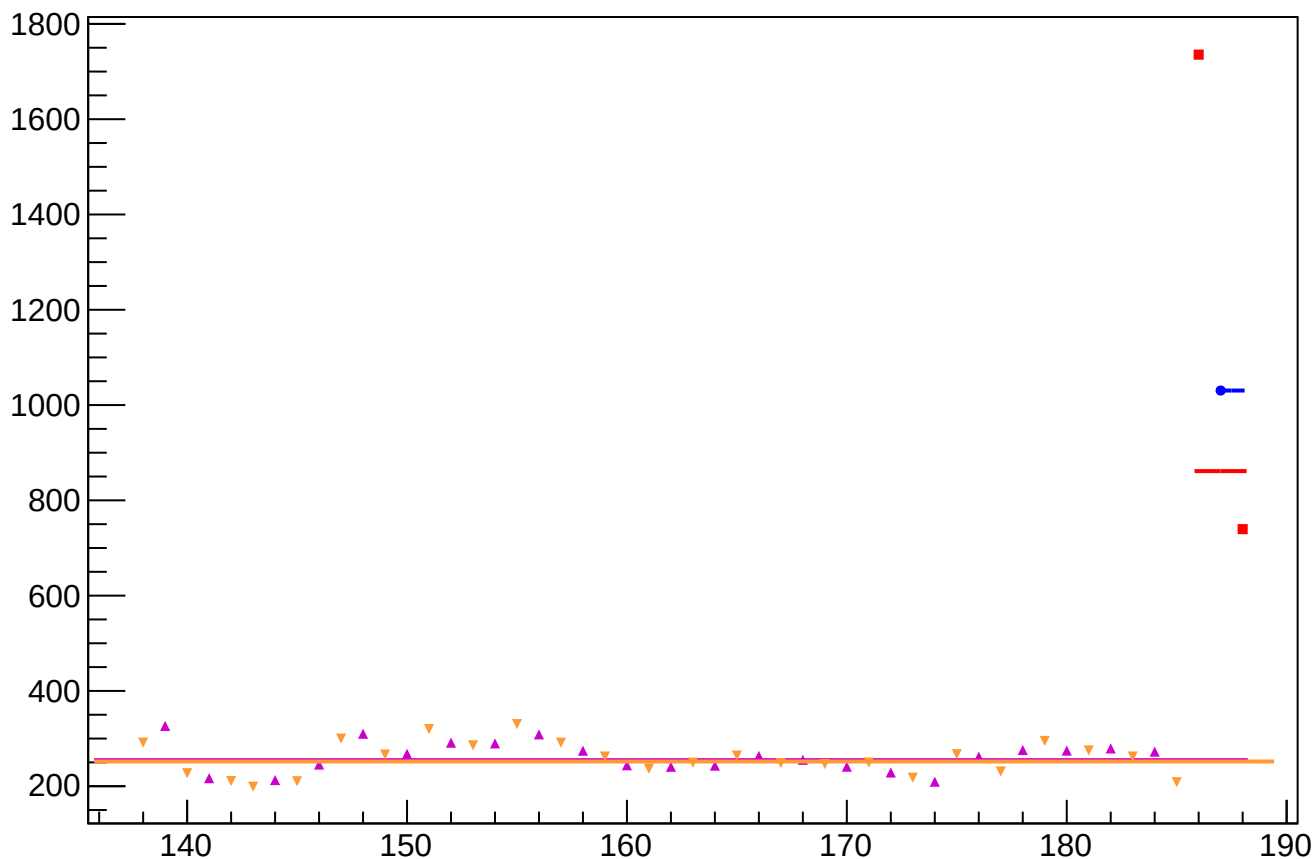
Right: 412.010 ± 928.347 $\chi^2/\text{NDF}: 2.7/2$

In: 37.371 ± 61.186 $\chi^2/\text{NDF}: 24.7/23$

Out: -282.970 ± 59.289 $\chi^2/\text{NDF}: 55.1/26$

All: -127.841 ± 42.578 $\chi^2/\text{NDF}: 94.0/50$

asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 1030.488+/-1.877 χ^2/NDF : 0.0/0

Left Out: 251.862+/-0.042 χ^2/NDF :623307.1/24

Right Out: 861.394+/-0.701 χ^2/NDF : 216793.8/1

Left In: 254.694+/-0.043 χ^2/NDF :506776.4/22

Left: 253.236+/-0.030 χ^2/NDF : 1132288.0/47

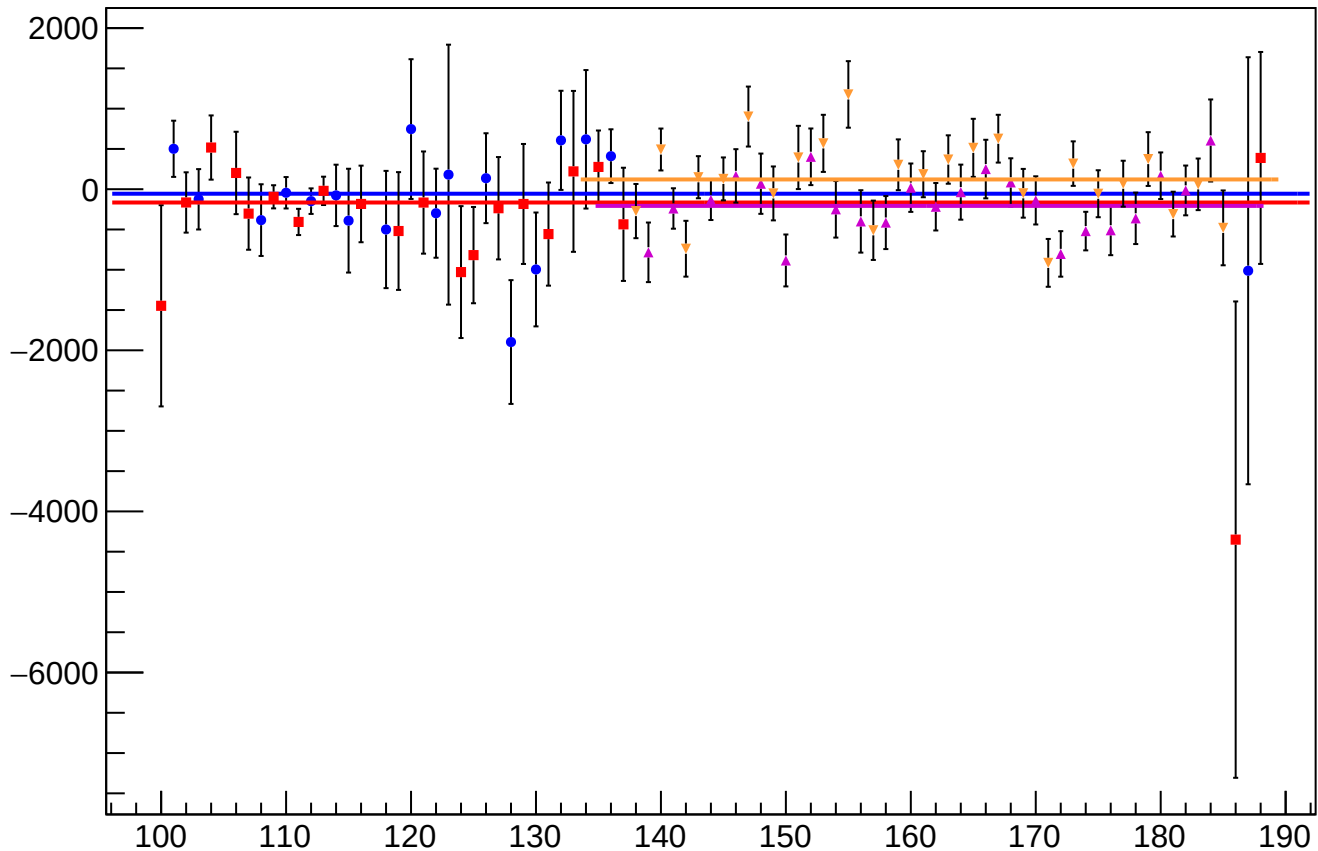
Right: 882.087+/-0.656 χ^2/NDF : 223920.2/2

In: 255.106+/-0.043 χ^2/NDF :677605.9/23

Out: 254.044+/-0.042 χ^2/NDF :1594071.0/26

All: 254.559+/-0.030 χ^2/NDF : 2271987.7/50

asym_sam8_mean vs Slug, Sign Corrected



Right In: -56.044 ± 90.303 χ^2/NDF : 16.7/17

Left Out: 121.185 ± 62.911 χ^2/NDF : 49.0/24

Right Out: -165.082 ± 76.746 χ^2/NDF : 14.1/20

Left In: -207.047 ± 65.246 χ^2/NDF : 27.8/22

Left: -36.951 ± 45.288 χ^2/NDF : 89.9/47

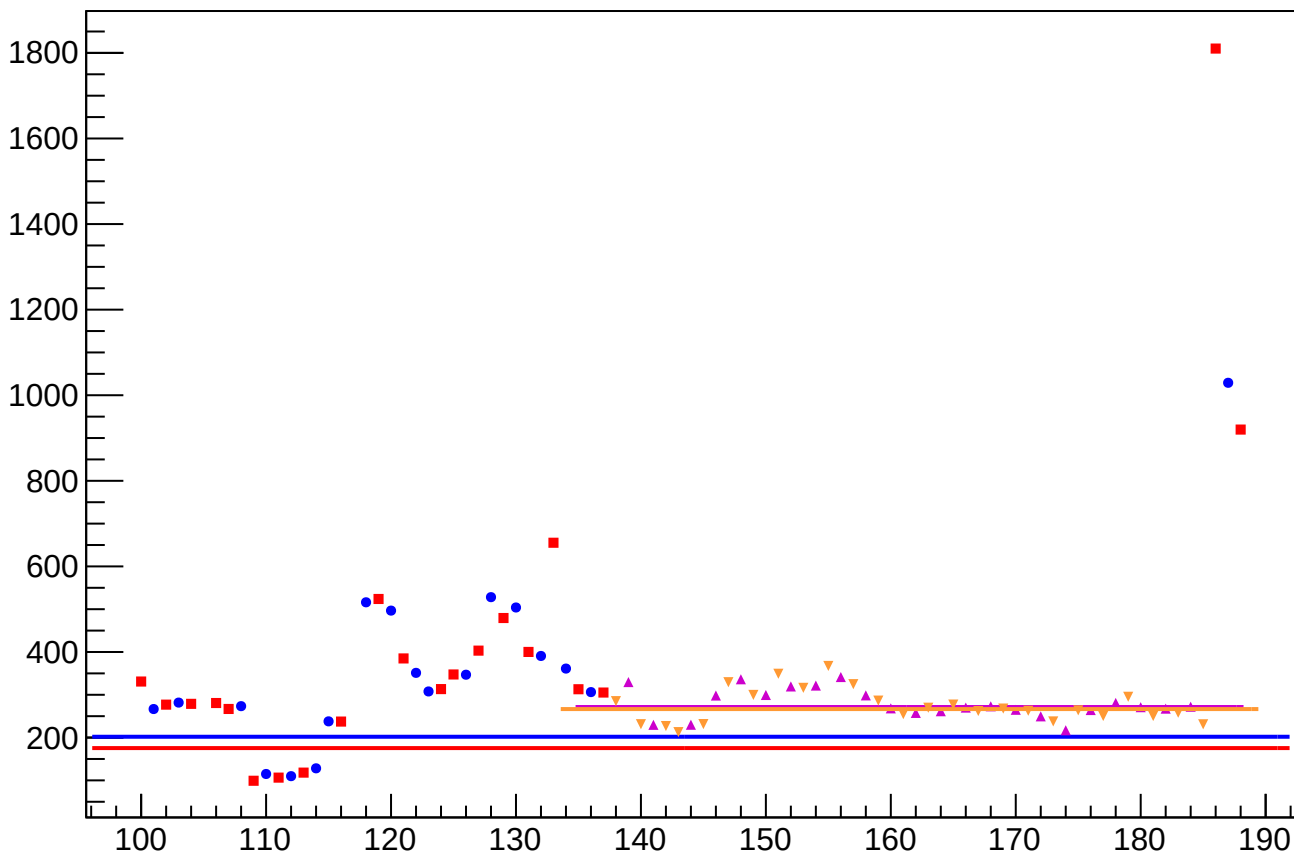
Right: -119.354 ± 58.479 χ^2/NDF : 31.6/38

In: -155.254 ± 52.886 χ^2/NDF : 46.3/40

Out: 6.135 ± 48.653 χ^2/NDF : 71.4/45

All: -67.844 ± 35.806 χ^2/NDF : 122.7/86

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: 175.443 $\pm$ 0.054 χ^2 /NDF: 5348490.7/20

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

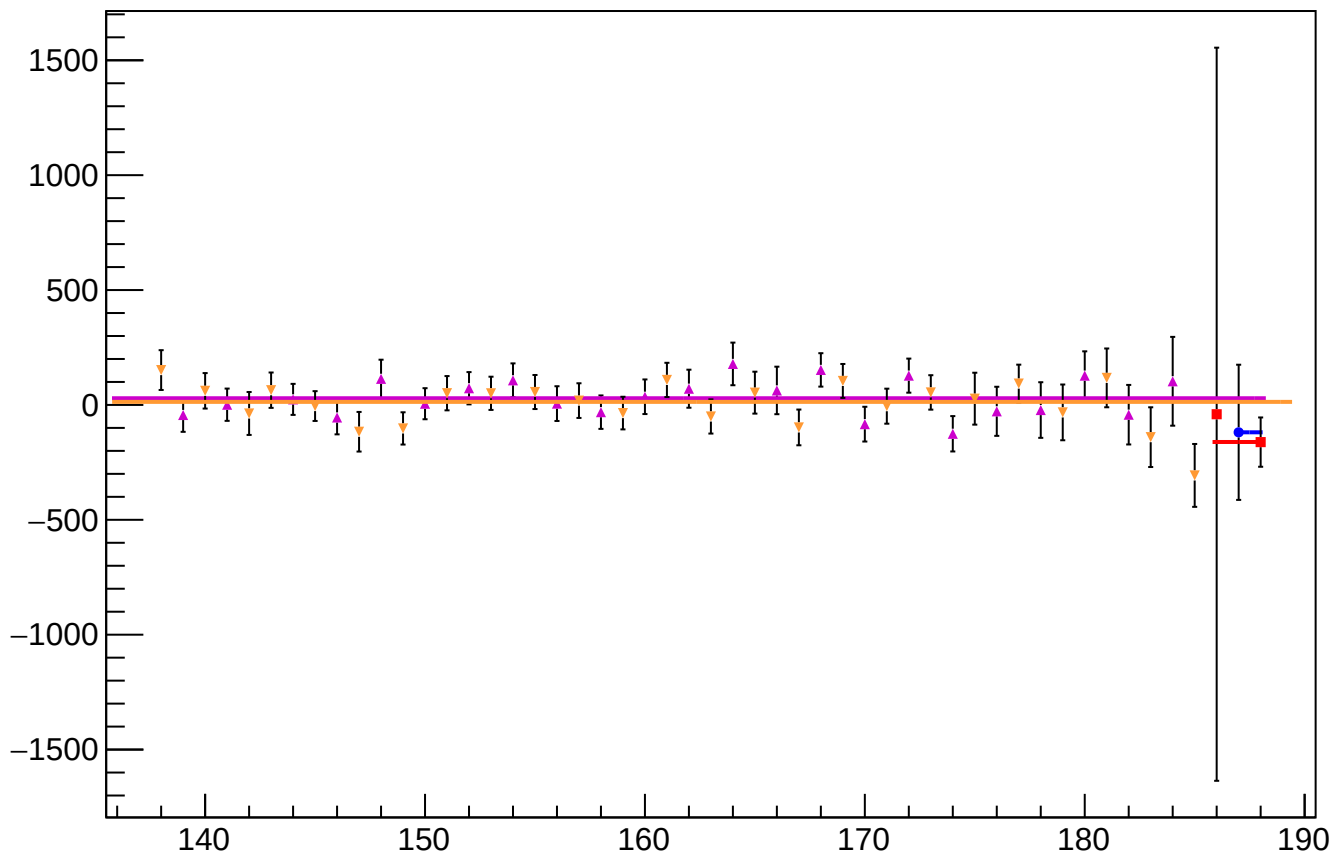
Right: 186.552 $\pm$ 0.041 χ^2 /NDF: 9079540.4/38

In: 247.606 $\pm$ 0.037 χ^2 /NDF: 4940792.5/40

Out: 229.975 $\pm$ 0.034 χ^2 /NDF: 7676006.0/45

All: 238.057 $\pm$ 0.025 χ^2 /NDF: 12737199.0/86

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: -119.171 ± 294.184 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 13.294 ± 16.364 $\chi^2/\text{NDF}: 25.2/24$

Right Out: -161.274 ± 107.048 $\chi^2/\text{NDF}: 0.0/1$

Left In: 29.073 ± 16.940 $\chi^2/\text{NDF}: 21.5/22$

Left: 20.911 ± 11.769 $\chi^2/\text{NDF}: 47.2/47$

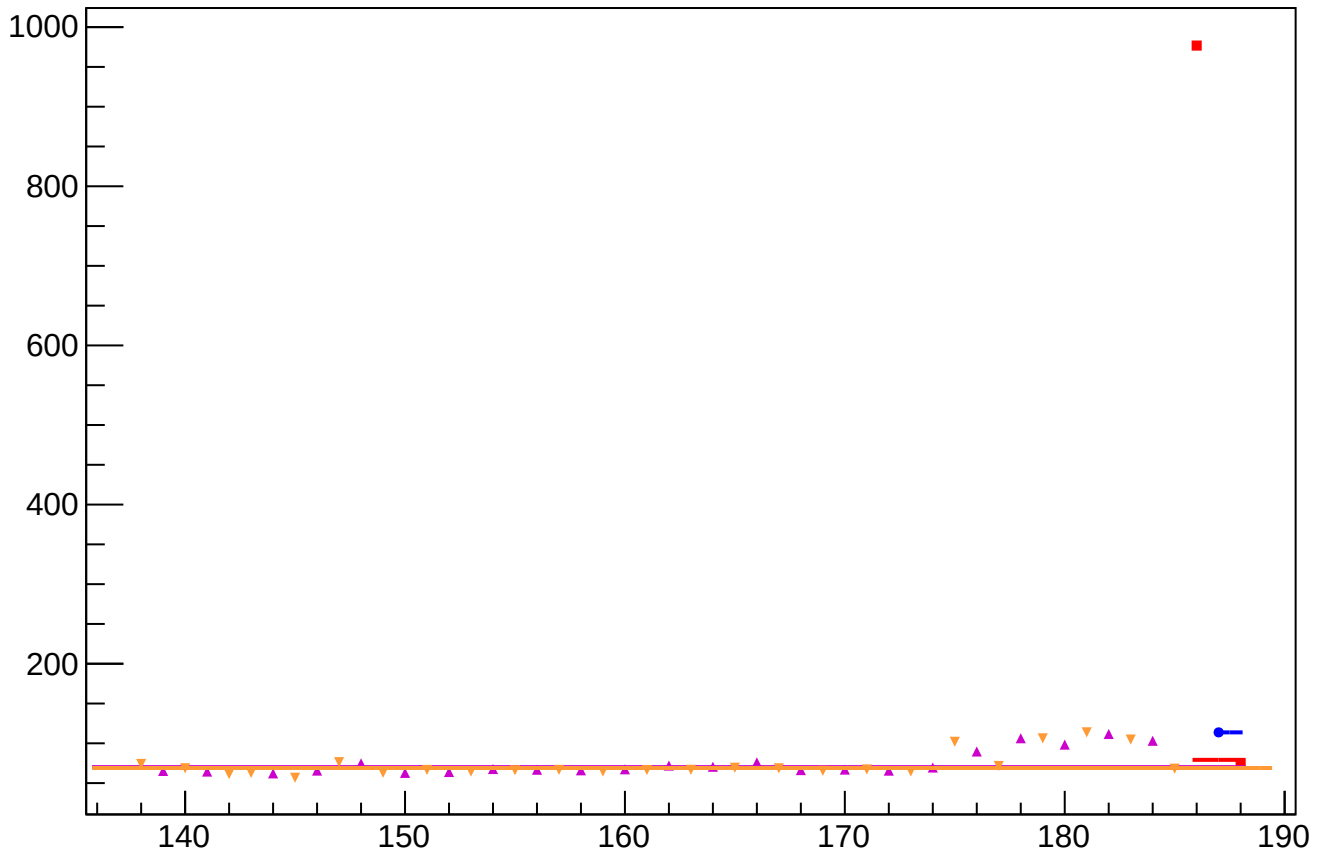
Right: -156.351 ± 100.595 $\chi^2/\text{NDF}: 0.0/2$

In: 28.583 ± 16.912 $\chi^2/\text{NDF}: 21.8/23$

Out: 9.308 ± 16.176 $\chi^2/\text{NDF}: 27.8/26$

All: 18.517 ± 11.690 $\chi^2/\text{NDF}: 50.3/50$

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 113.736 $\pm$ 0.208 χ^2 /NDF: 0.0/0

Left Out: 68.991 $\pm$ 0.012 χ^2 /NDF: 931021.6/24

Right Out: 79.209 $\pm$ 0.076 χ^2 /NDF: 635947.1/1

Left In: 70.058 $\pm$ 0.012 χ^2 /NDF: 793545.7/22

Left: 69.506 $\pm$ 0.008 χ^2 /NDF: 1728676.0/47

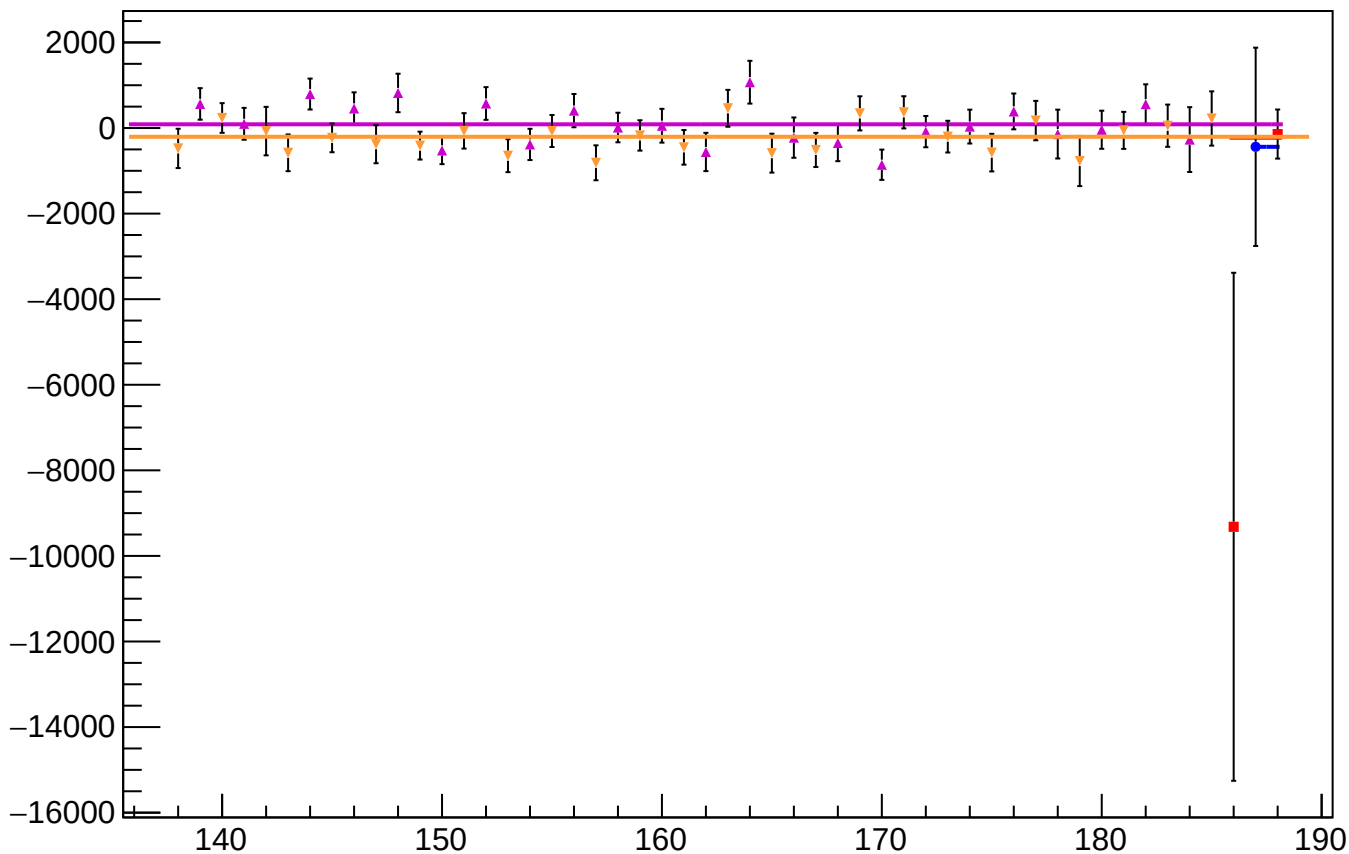
Right: 83.246 $\pm$ 0.071 χ^2 /NDF: 660274.8/2

In: 70.202 $\pm$ 0.012 χ^2 /NDF: 837486.4/23

Out: 69.224 $\pm$ 0.011 χ^2 /NDF: 1584775.5/26

All: 69.691 $\pm$ 0.008 χ^2 /NDF: 2425758.7/50

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: -439.469 ± 2317.260 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -204.446 ± 82.586 $\chi^2/\text{NDF}: 18.5/24$

Right Out: -226.174 ± 570.861 $\chi^2/\text{NDF}: 2.4/1$

Left In: 86.922 ± 84.266 $\chi^2/\text{NDF}: 33.6/22$

Left: -61.695 ± 58.982 $\chi^2/\text{NDF}: 58.2/47$

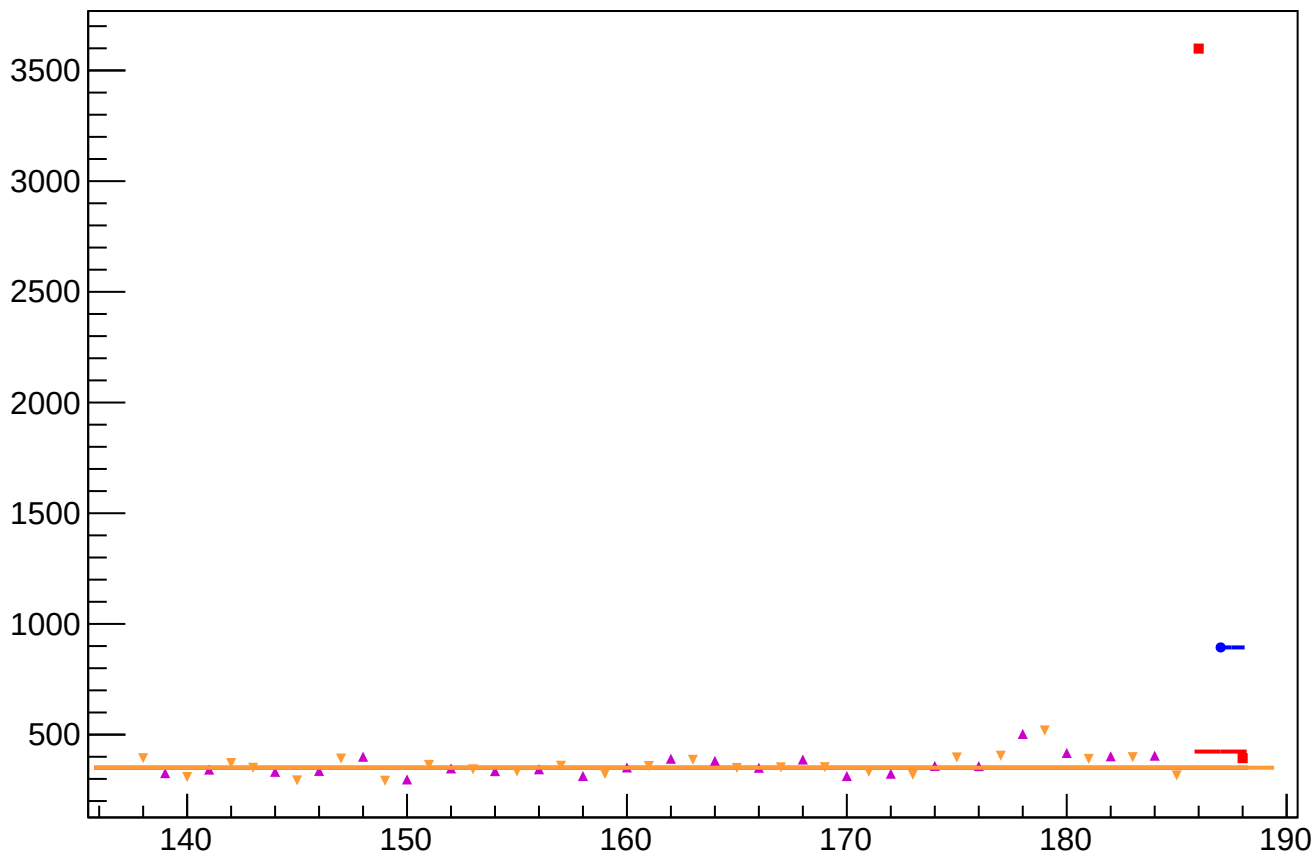
Right: -238.378 ± 554.289 $\chi^2/\text{NDF}: 2.4/2$

In: 86.227 ± 84.211 $\chi^2/\text{NDF}: 33.7/23$

Out: -204.891 ± 81.735 $\chi^2/\text{NDF}: 20.9/26$

All: -63.674 ± 58.651 $\chi^2/\text{NDF}: 60.7/50$

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 893.848+/-1.639 χ^2/NDF : 0.0/0

Left Out: 350.500+/-0.058 χ^2/NDF : 500665.4/24

Right Out: 423.515+/-0.404 χ^2/NDF : 577538.3/1

Left In: 350.780+/-0.060 χ^2/NDF : 421229.4/22

Left: 350.637+/-0.042 χ^2/NDF : 921906.1/47

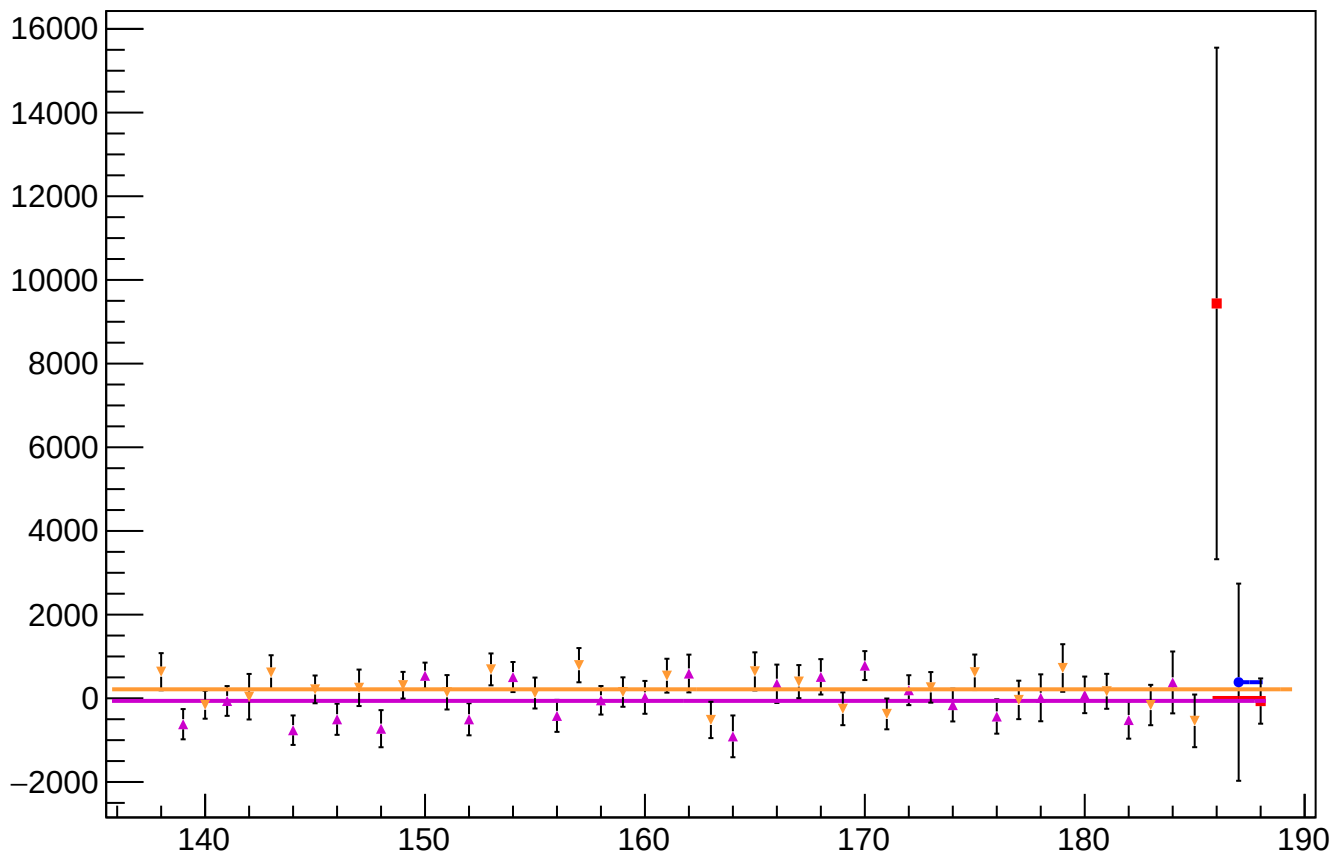
Right: 450.426+/-0.392 χ^2/NDF : 655217.4/2

In: 351.498+/-0.060 χ^2/NDF : 530931.5/23

Out: 351.997+/-0.058 χ^2/NDF : 1110251.3/26

All: 351.755+/-0.041 χ^2/NDF : 1641218.9/50

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: 7.846 $\pm$ 538.709 χ^2 /NDF: 2.4/1

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

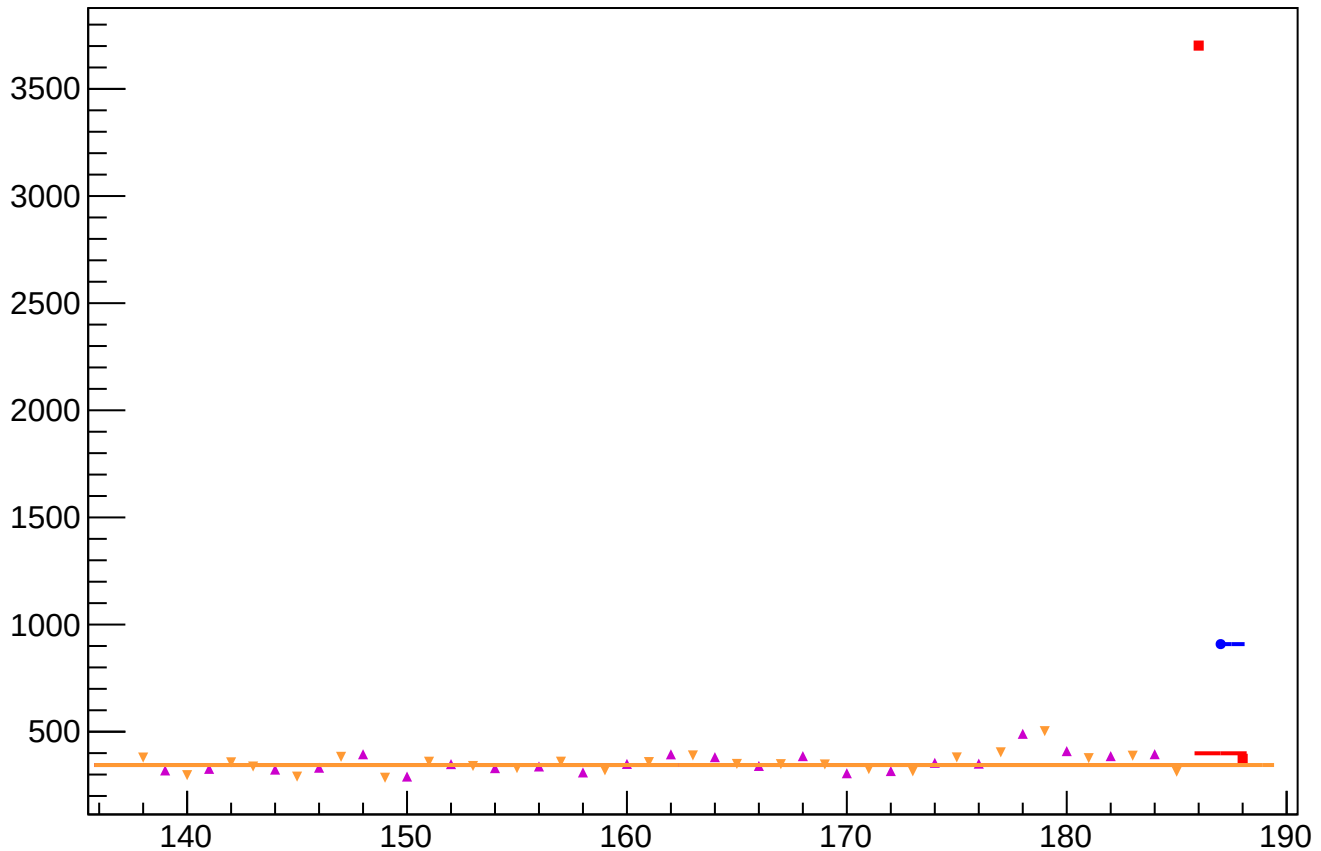
Right: 26.569 $\pm$ 525.162 χ^2 /NDF: 2.4/2

In: -61.179 $\pm$ 82.790 χ^2 /NDF:35.0/23

Out: 210.603 $\pm$ 80.327 χ^2 /NDF:22.1/26

All: 78.815 $\pm$ 57.651 χ^2 /NDF: 62.6/50

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: 399.187 $\pm$ 0.381 χ^2 /NDF: 588327.0/1

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

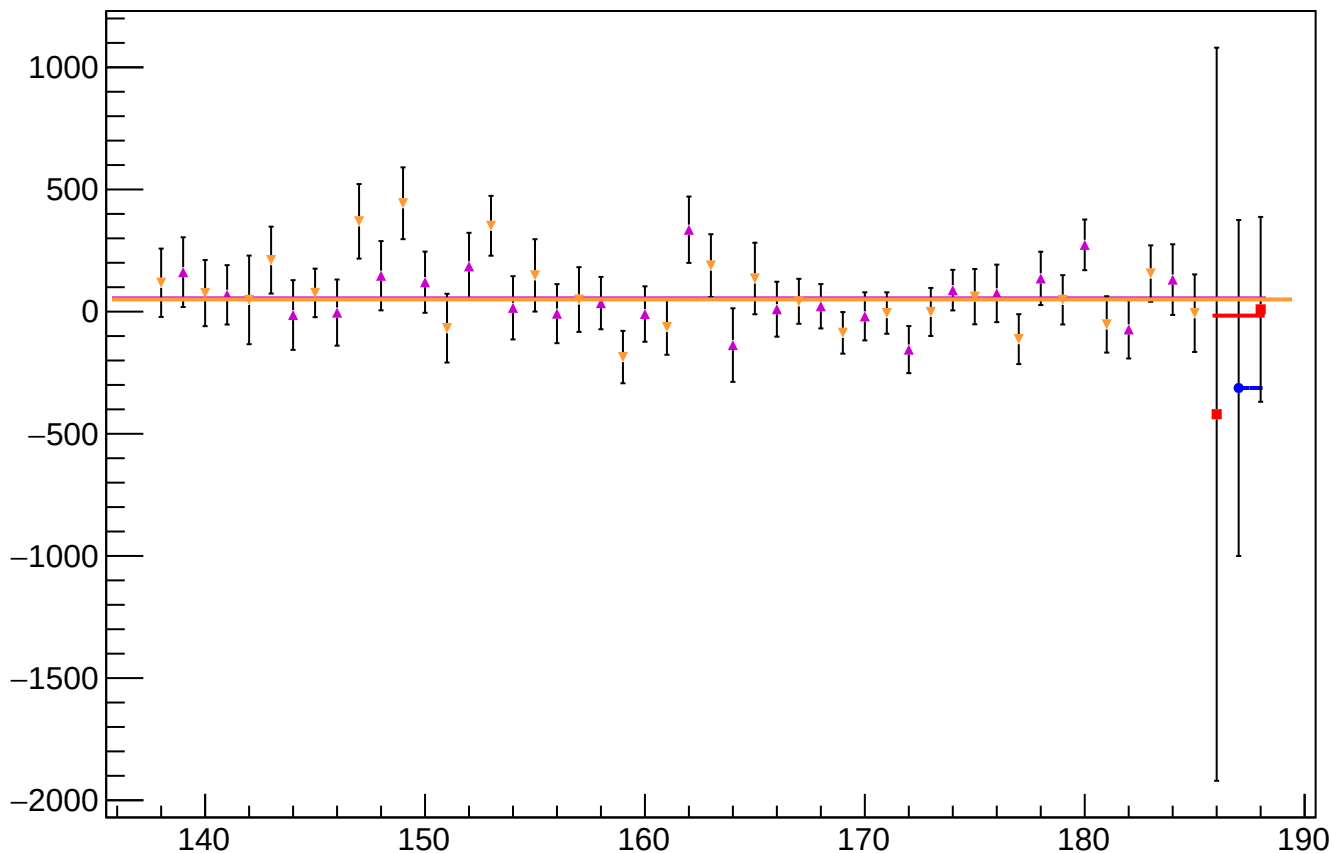
Right: 424.494 $\pm$ 0.371 χ^2 /NDF: 677200.1/2

In: 345.171 $\pm$ 0.059 χ^2 /NDF:547937.3/23

Out: 345.656 $\pm$ 0.057 χ^2 /NDF:1096905.9/26

All: 345.421 $\pm$ 0.041 χ^2 /NDF: 1644878.5/50

dit_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: -312.512 $\pm$ 687.733 χ^2 /NDF: 0.0/0

Left Out: 50.044 $\pm$ 23.364 χ^2 /NDF:35.4/24

Right Out: -16.307 $\pm$ 366.834 χ^2 /NDF: 0.1/1

Left In: 54.211 $\pm$ 24.242 χ^2 /NDF:21.4/22

Left: 52.051 $\pm$ 16.823 χ^2 /NDF: 56.9/47

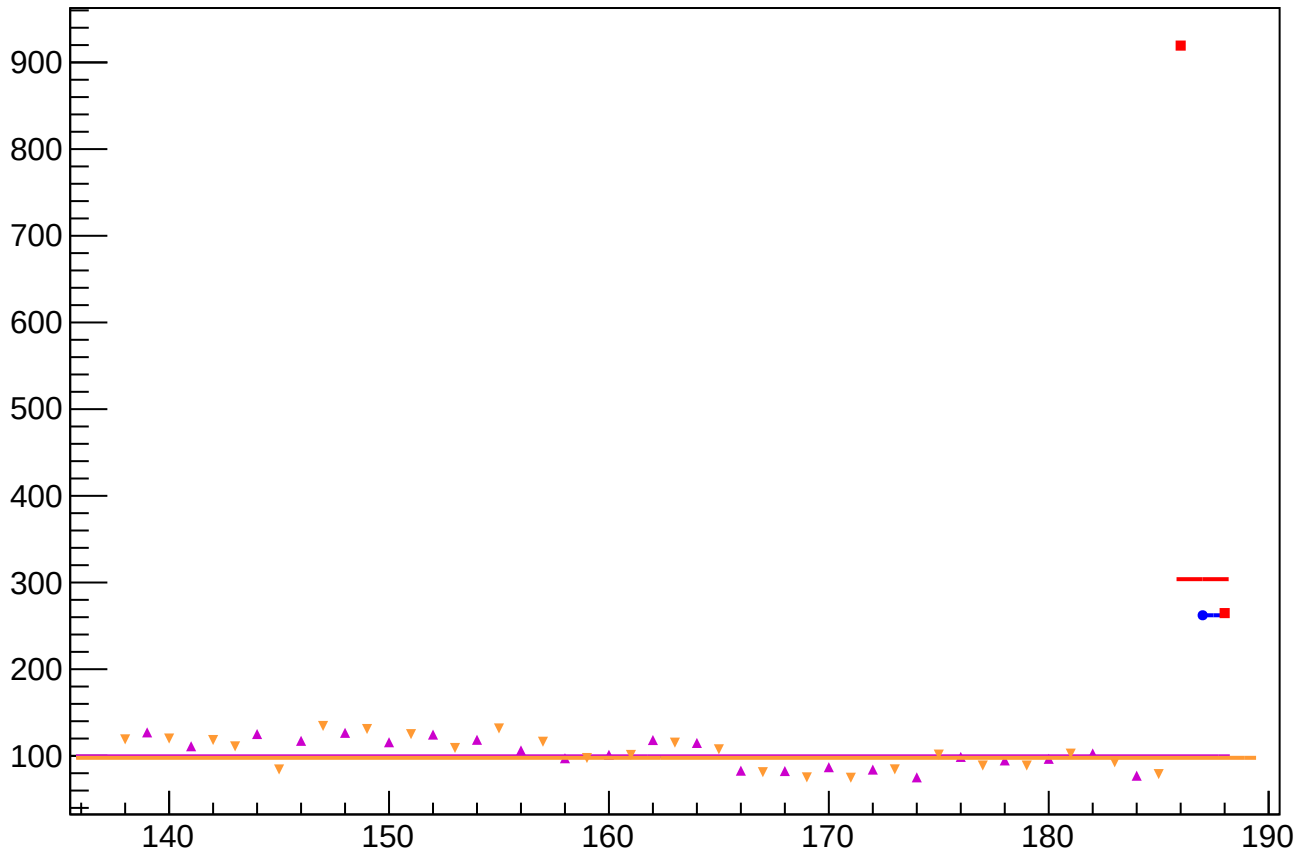
Right: -81.915 $\pm$ 323.669 χ^2 /NDF: 0.2/2

In: 53.756 $\pm$ 24.227 χ^2 /NDF:21.7/23

Out: 49.776 $\pm$ 23.317 χ^2 /NDF:35.5/26

All: 51.690 $\pm$ 16.800 χ^2 /NDF: 57.2/50

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 262.215 $\pm$ 0.486 χ^2 /NDF: 0.0/0

Left Out: 97.776 $\pm$ 0.017 χ^2 /NDF:1140773.7/24

Right Out: 303.861 $\pm$ 0.259 χ^2 /NDF: 358009.6/1

Left In: 99.502 $\pm$ 0.017 χ^2 /NDF:898572.4/22

Left: 98.607 $\pm$ 0.012 χ^2 /NDF: 2044600.4/47

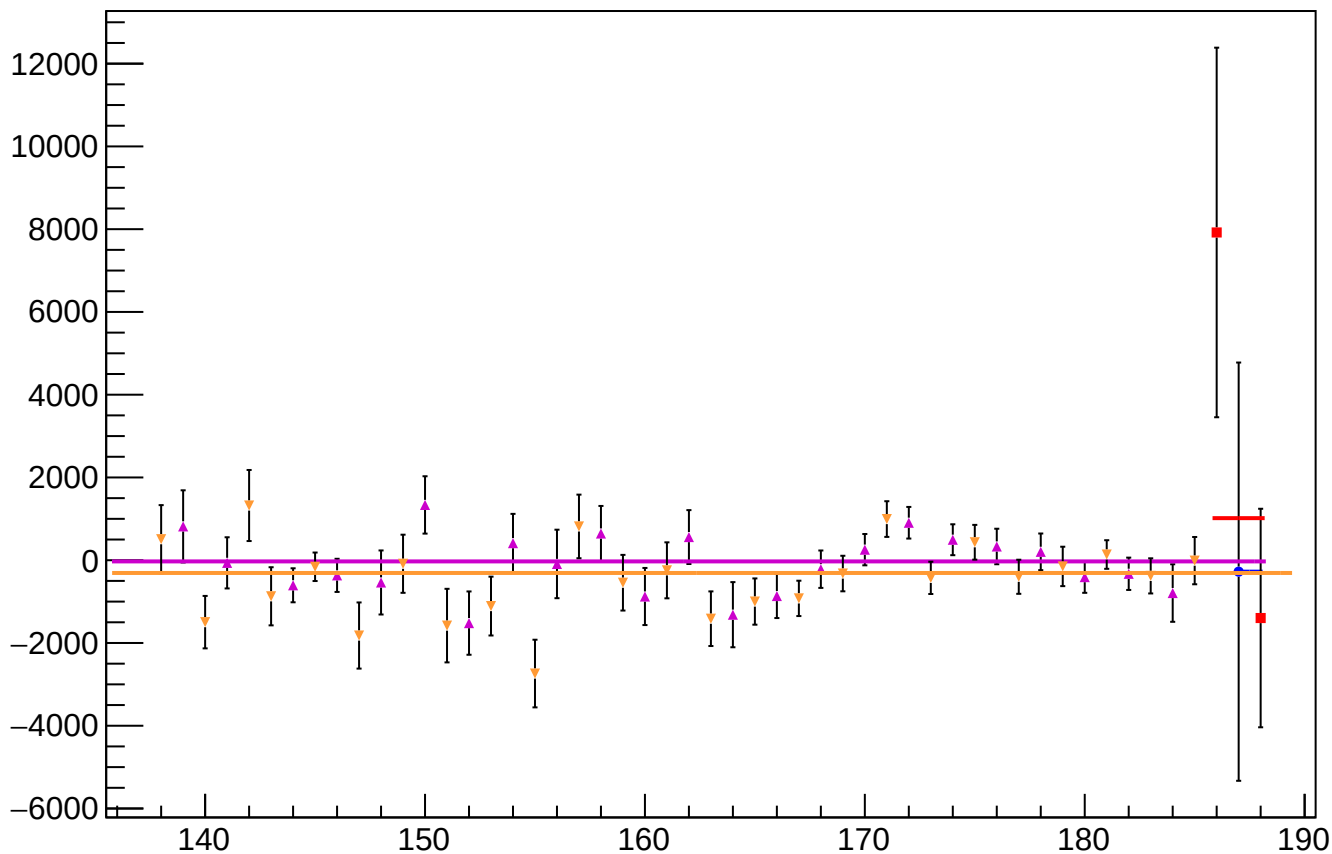
Right: 294.636 $\pm$ 0.229 χ^2 /NDF: 363719.1/2

In: 99.704 $\pm$ 0.017 χ^2 /NDF:1010385.6/23

Out: 98.609 $\pm$ 0.016 χ^2 /NDF:2127453.0/26

All: 99.136 $\pm$ 0.012 χ^2 /NDF: 3139959.7/50

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -276.764 $\pm$ 5053.836 χ^2 /NDF: 0.0/0

Left Out: -308.038 $\pm$ 104.531 χ^2 /NDF:47.9/24

Right Out: 1016.688 $\pm$ 2272.891 χ^2 /NDF: 3.2/1

Left In: -28.710 $\pm$ 106.080 χ^2 /NDF:33.1/22

Left: -170.428 $\pm$ 74.456 χ^2 /NDF: 84.5/47

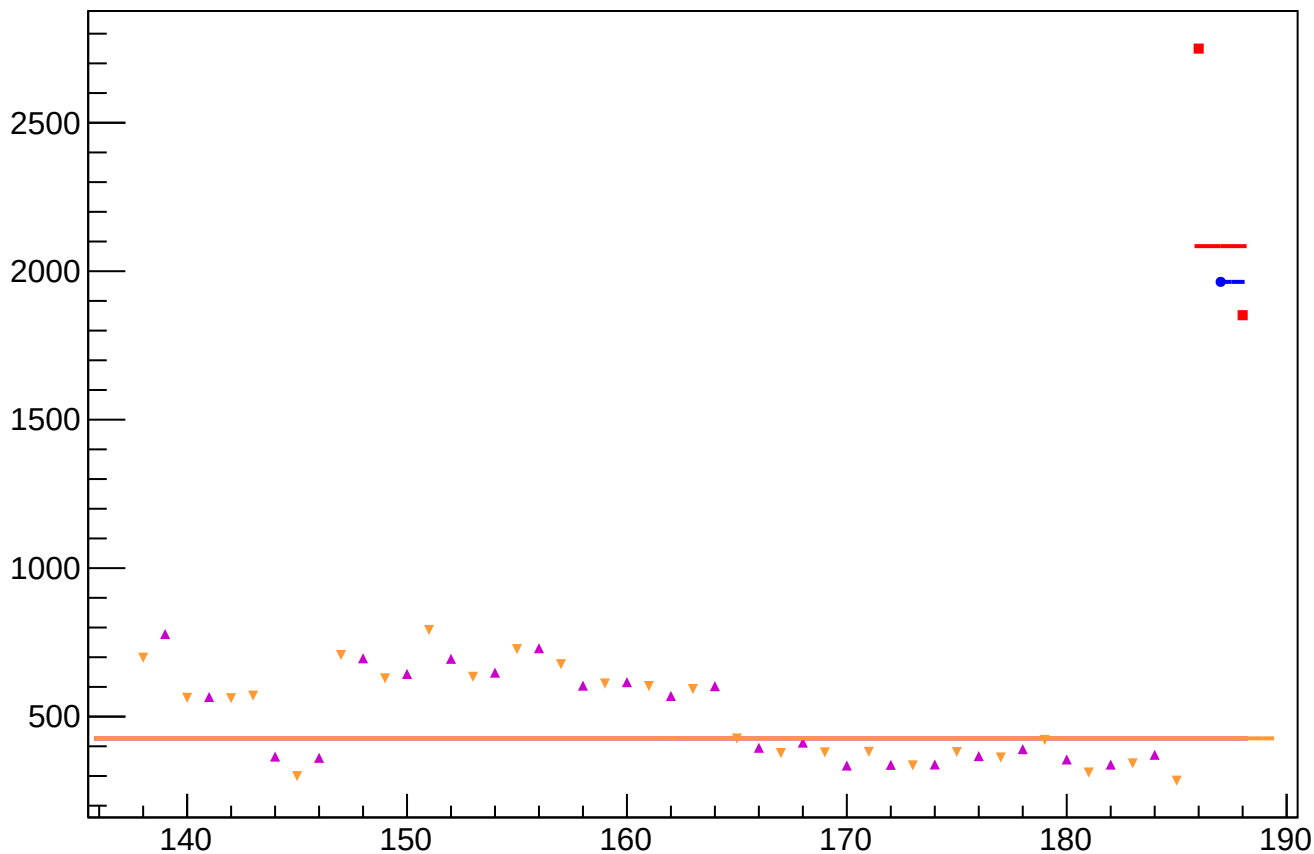
Right: 799.085 $\pm$ 2072.903 χ^2 /NDF: 3.3/2

In: -28.819 $\pm$ 106.057 χ^2 /NDF:33.1/23

Out: -305.242 $\pm$ 104.420 χ^2 /NDF:51.5/26

All: -169.179 $\pm$ 74.408 χ^2 /NDF: 88.0/50

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1964.131+/-3.574 χ^2/NDF : 0.0/0

Left Out: 426.792+/-0.074 χ^2/NDF : 3210955.9/24

Right Out: 2084.402+/-1.607 χ^2/NDF : 59909.1/1

Left In: 426.333+/-0.075 χ^2/NDF : 2745935.4/22

Left: 426.566+/-0.053 χ^2/NDF : 5956910.3/47

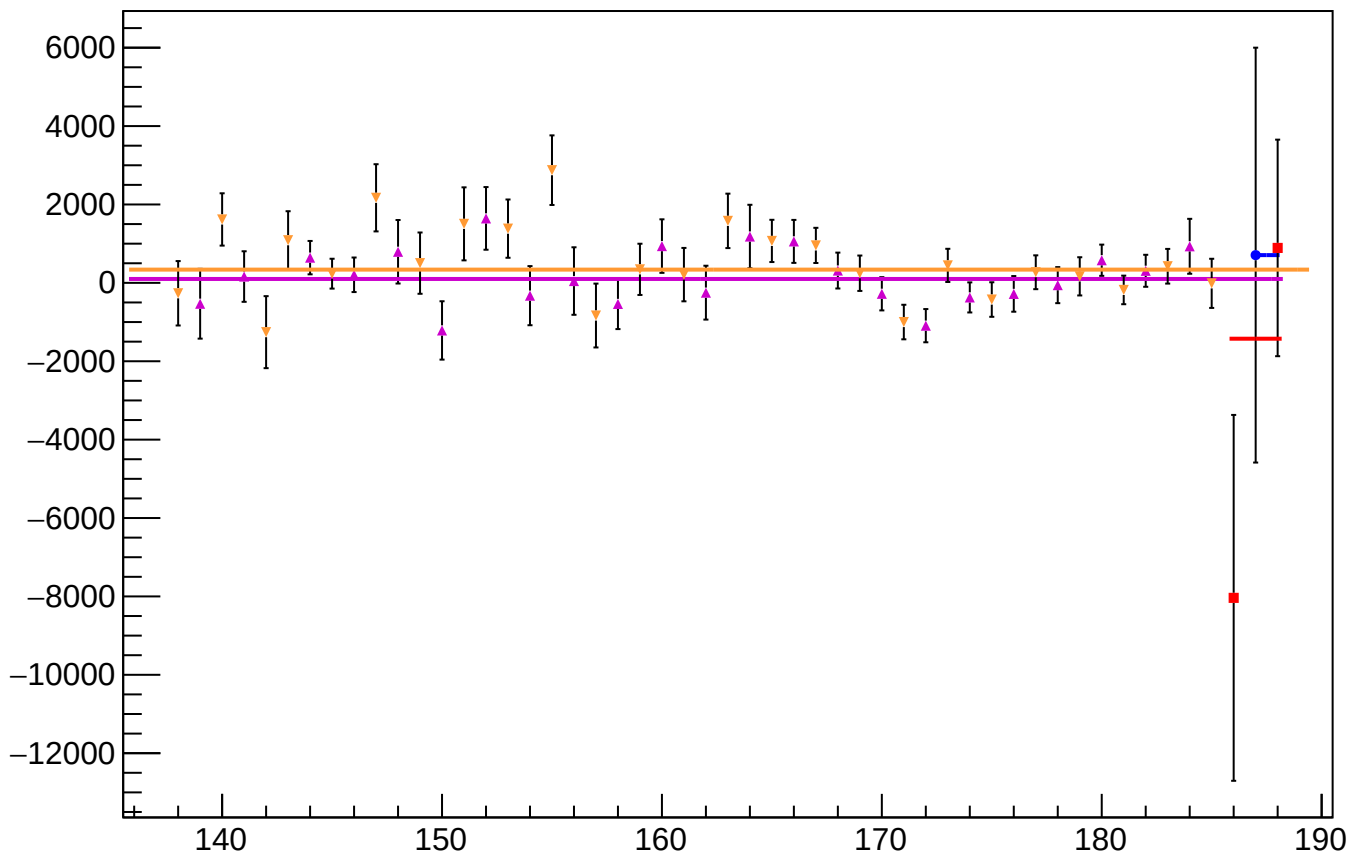
Right: 2064.168+/-1.466 χ^2/NDF : 60851.2/2

In: 427.010+/-0.075 χ^2/NDF : 2931030.6/23

Out: 430.291+/-0.074 χ^2/NDF : 4332363.9/26

All: 428.676+/-0.053 χ^2/NDF : 7264366.5/50

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 707.944+/-5292.618 χ^2/NDF : 0.0/0

Left Out: 337.948+/-109.831 χ^2/NDF : 48.6/24

Right Out: -1424.898+/-2377.317 χ^2/NDF : 2.7/1

Left In: 99.475+/-111.475 χ^2/NDF : 32.1/22

Left: 220.483+/-78.237 χ^2/NDF : 83.0/47

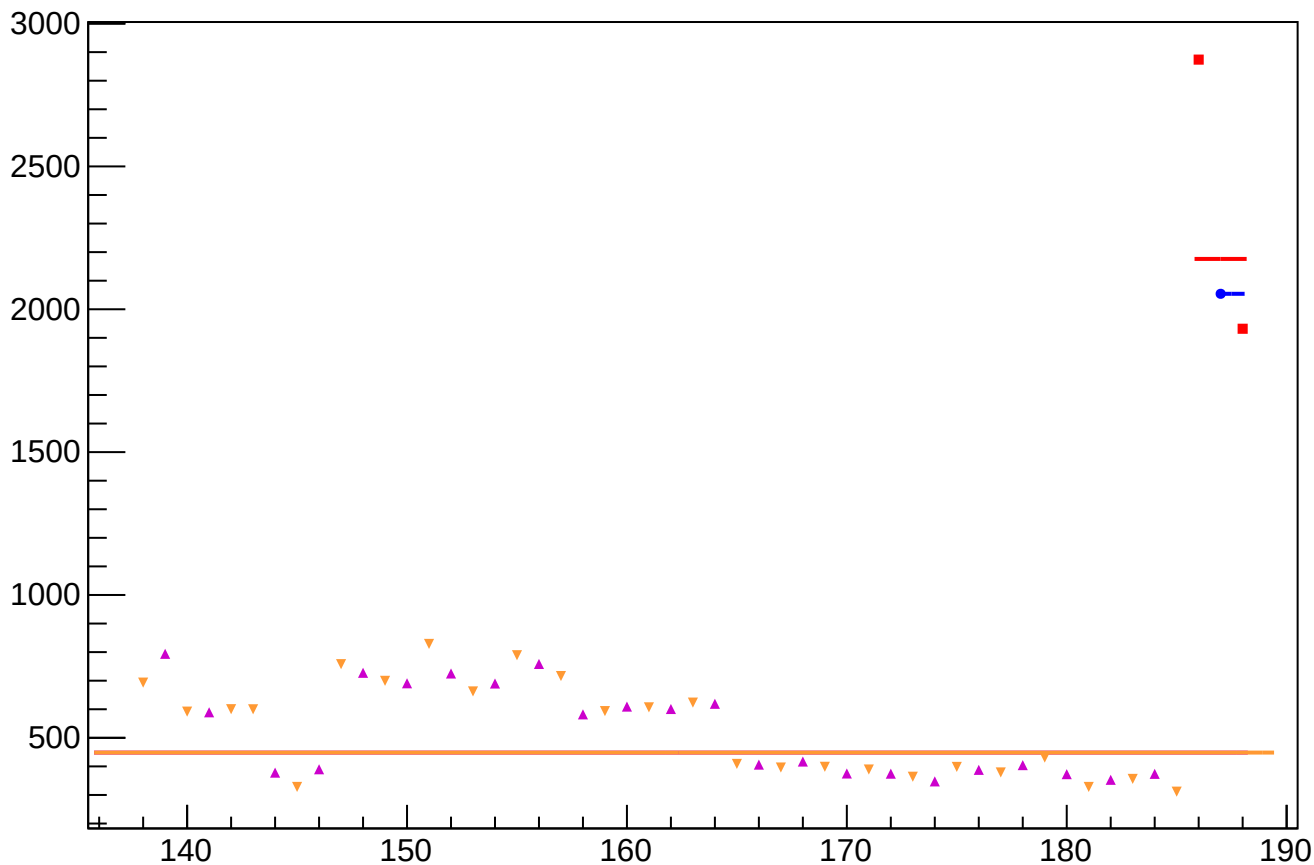
Right: -1066.822+/-2168.595 χ^2/NDF : 2.8/2

In: 99.745+/-111.450 χ^2/NDF : 32.1/23

Out: 334.193+/-109.714 χ^2/NDF : 51.8/26

All: 218.810+/-78.186 χ^2/NDF : 86.1/50

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 2054.143+/-3.742 χ^2/NDF : 0.0/0

Left Out: 448.397+/-0.078 χ^2/NDF : 3077183.0/24

Right Out: 2176.209+/-1.681 χ^2/NDF : 60332.9/1

Left In: 448.238+/-0.079 χ^2/NDF : 2563455.5/22

Left: 448.319+/-0.055 χ^2/NDF : 5640640.6/47

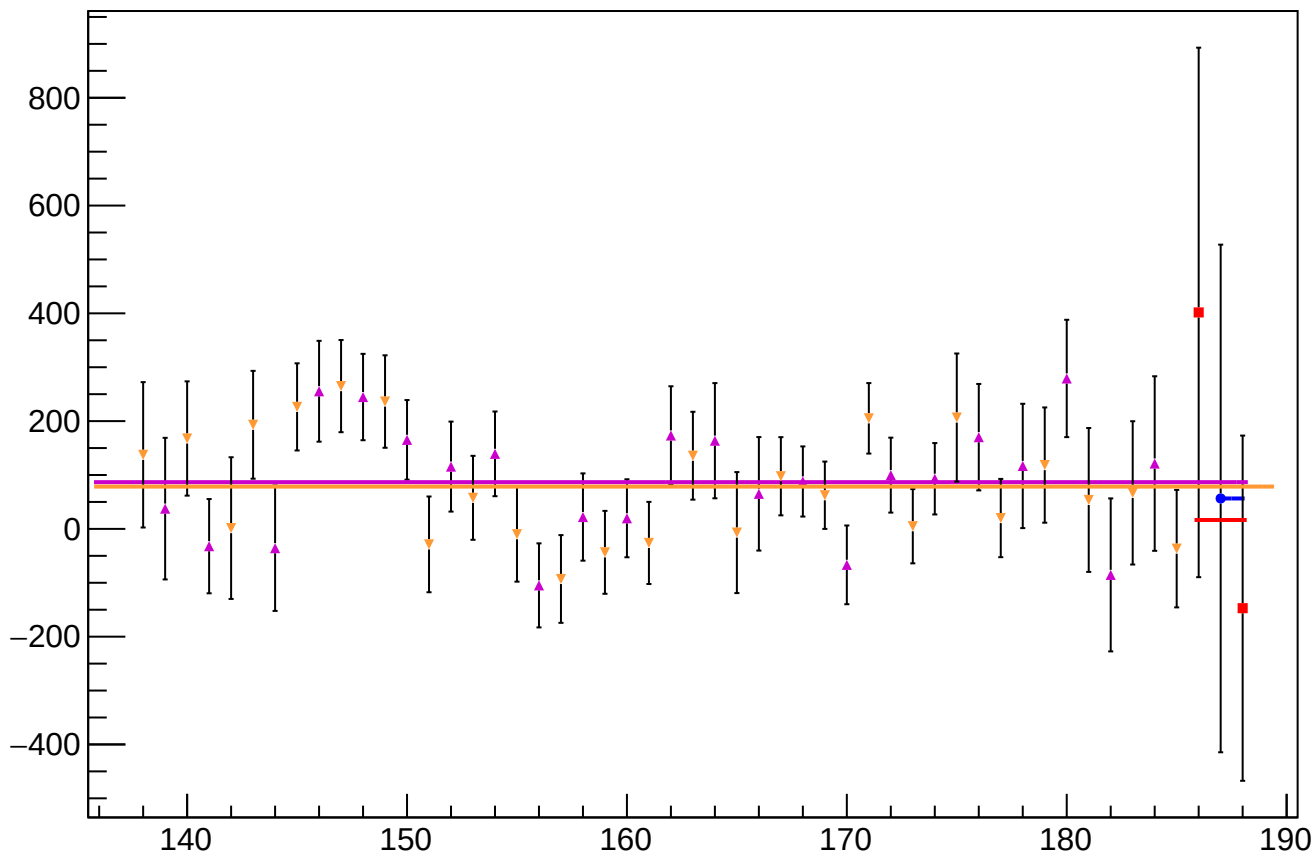
Right: 2155.715+/-1.533 χ^2/NDF : 61218.1/2

In: 448.950+/-0.079 χ^2/NDF : 2747505.6/23

Out: 452.077+/-0.078 χ^2/NDF : 4191715.1/26

All: 450.538+/-0.055 χ^2/NDF : 6940019.8/50

dit_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 56.455 $\pm$ 471.001 χ^2 /NDF: 0.0/0

Left Out: 78.521 $\pm$ 17.395 χ^2 /NDF:34.6/24

Right Out: 16.547 $\pm$ 268.324 χ^2 /NDF: 0.9/1

Left In: 86.721 $\pm$ 18.153 χ^2 /NDF:30.8/22

Left: 82.446 $\pm$ 12.559 χ^2 /NDF: 65.5/47

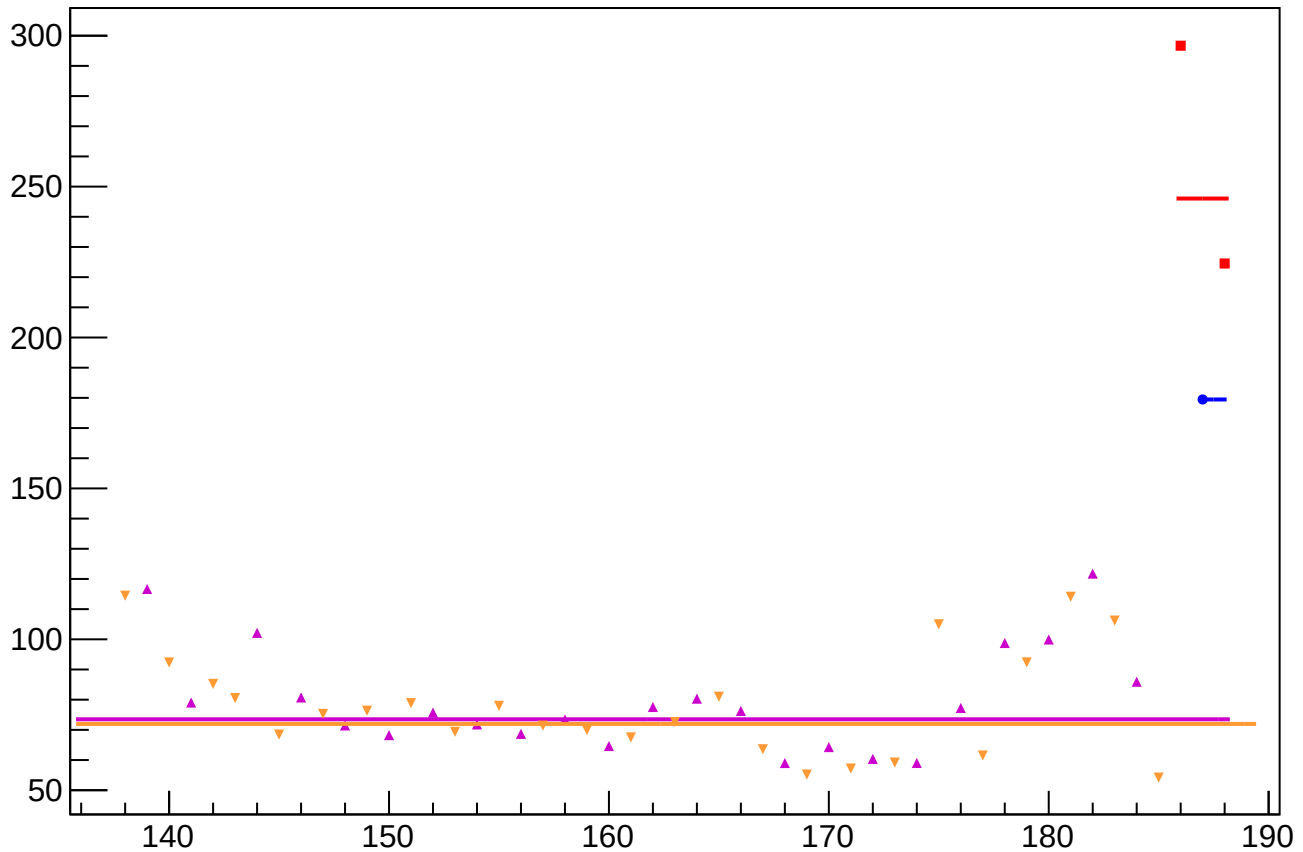
Right: 26.326 $\pm$ 233.145 χ^2 /NDF: 0.9/2

In: 86.676 $\pm$ 18.139 χ^2 /NDF:30.8/23

Out: 78.262 $\pm$ 17.358 χ^2 /NDF:35.5/26

All: 82.284 $\pm$ 12.541 χ^2 /NDF: 66.5/50

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 179.470 $\pm$ 0.333 χ^2 /NDF: 0.0/0

Left Out: 71.964 $\pm$ 0.012 χ^2 /NDF:1360059.9/24

Right Out: 246.048 $\pm$ 0.190 χ^2 /NDF: 30272.9/1

Left In: 73.503 $\pm$ 0.013 χ^2 /NDF:1179670.4/22

Left: 72.701 $\pm$ 0.009 χ^2 /NDF: 2547225.5/47

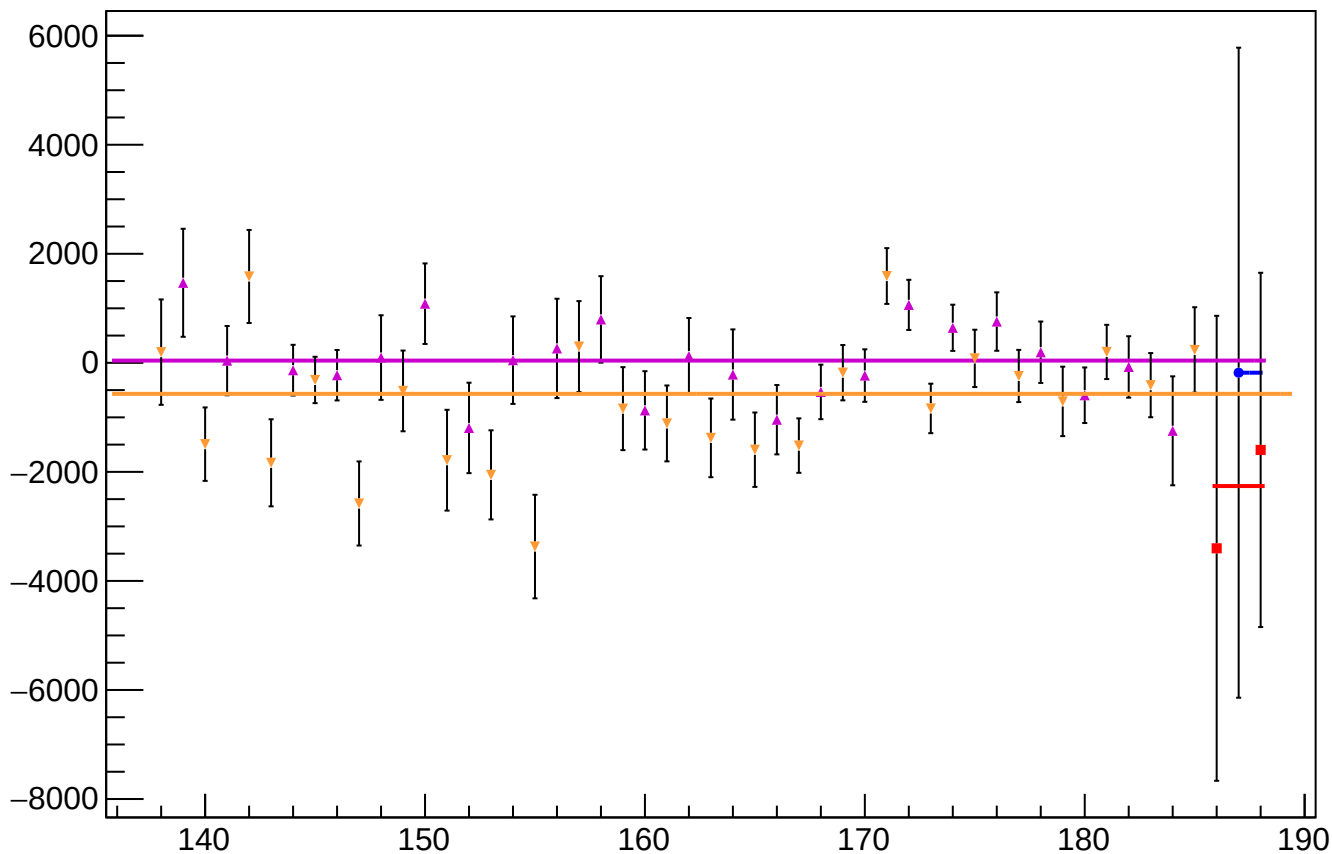
Right: 229.735 $\pm$ 0.165 χ^2 /NDF: 60443.8/2

In: 73.660 $\pm$ 0.013 χ^2 /NDF:1280754.5/23

Out: 72.692 $\pm$ 0.012 χ^2 /NDF:2228655.7/26

All: 73.155 $\pm$ 0.009 χ^2 /NDF: 3512381.6/50

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -180.981 ± 5961.441 χ^2/NDF : 0.0/0

Left Out: -568.824 ± 125.104 χ^2/NDF : 65.6/24

Right Out: -2260.010 ± 2584.300 χ^2/NDF : 0.1/1

Left In: 41.212 ± 125.719 χ^2/NDF : 26.1/22

Left: -265.301 ± 88.679 χ^2/NDF : 103.5/47

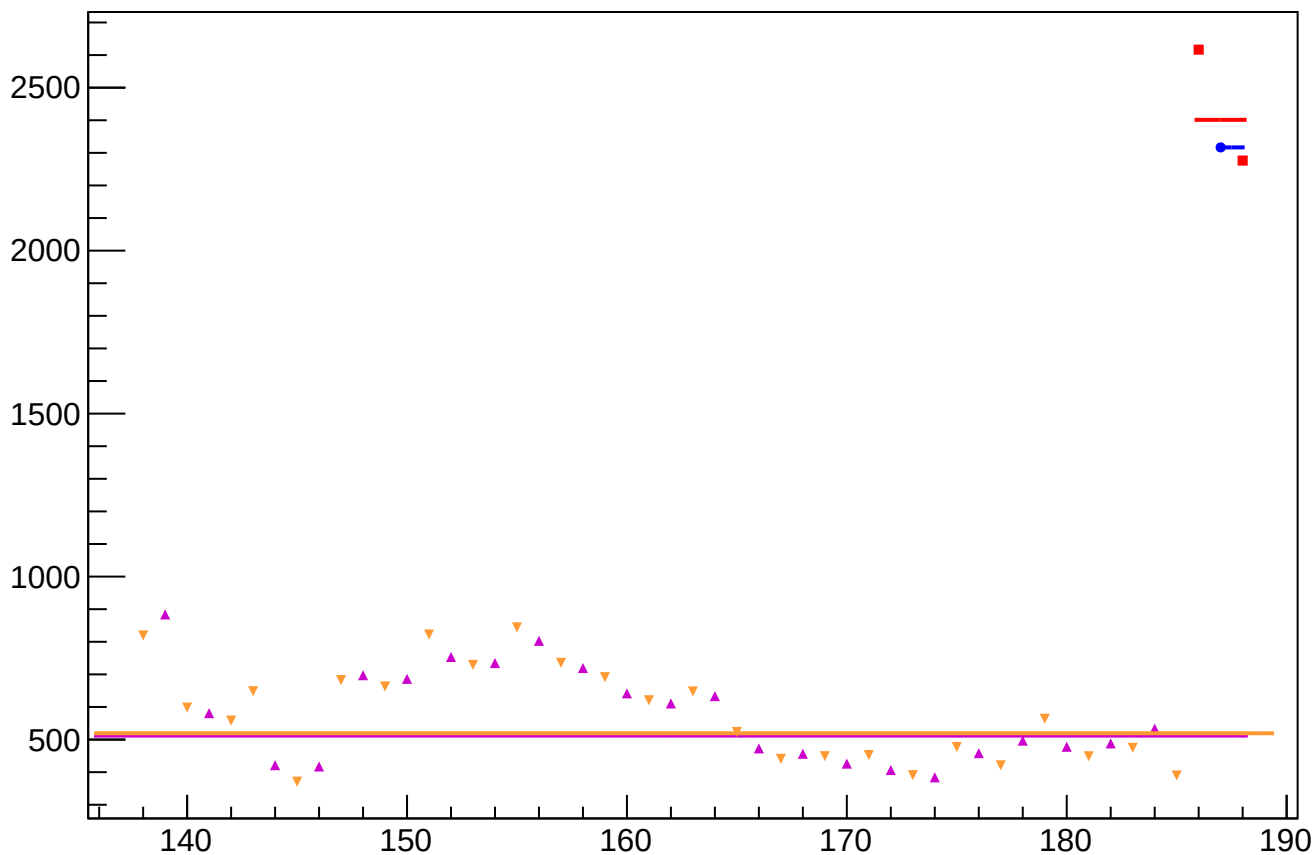
Right: -1931.116 ± 2371.093 χ^2/NDF : 0.2/2

In: 41.113 ± 125.691 χ^2/NDF : 26.1/23

Out: -572.778 ± 124.958 χ^2/NDF : 66.1/26

All: -267.628 ± 88.617 χ^2/NDF : 104.2/50

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 2316.763 $\pm$ 4.215 χ^2 /NDF: 0.0/0

Left Out: 519.337 $\pm$ 0.088 χ^2 /NDF:2104194.2/24

Right Out: 2401.336 $\pm$ 1.827 χ^2 /NDF: 8058.7/1

Left In: 512.163 $\pm$ 0.089 χ^2 /NDF:1921516.3/22

Left: 515.768 $\pm$ 0.063 χ^2 /NDF: 4028982.0/47

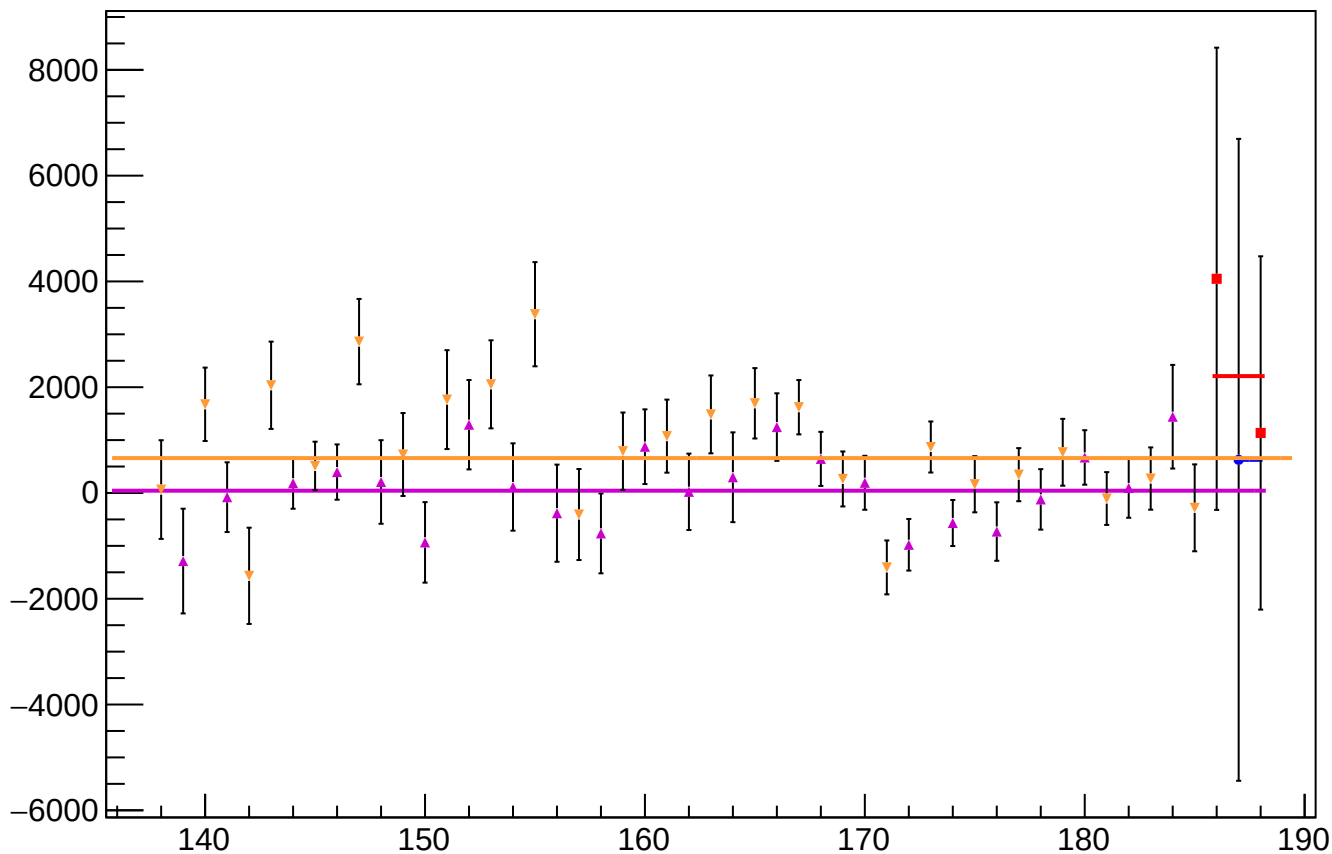
Right: 2387.957 $\pm$ 1.677 χ^2 /NDF: 8397.6/2

In: 512.966 $\pm$ 0.089 χ^2 /NDF:2104704.0/23

Out: 523.737 $\pm$ 0.088 χ^2 /NDF:3170450.1/26

All: 518.383 $\pm$ 0.063 χ^2 /NDF: 5282540.7/50

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: 2209.891 $\pm$ 2653.836 χ^2 /NDF: 0.3/1

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

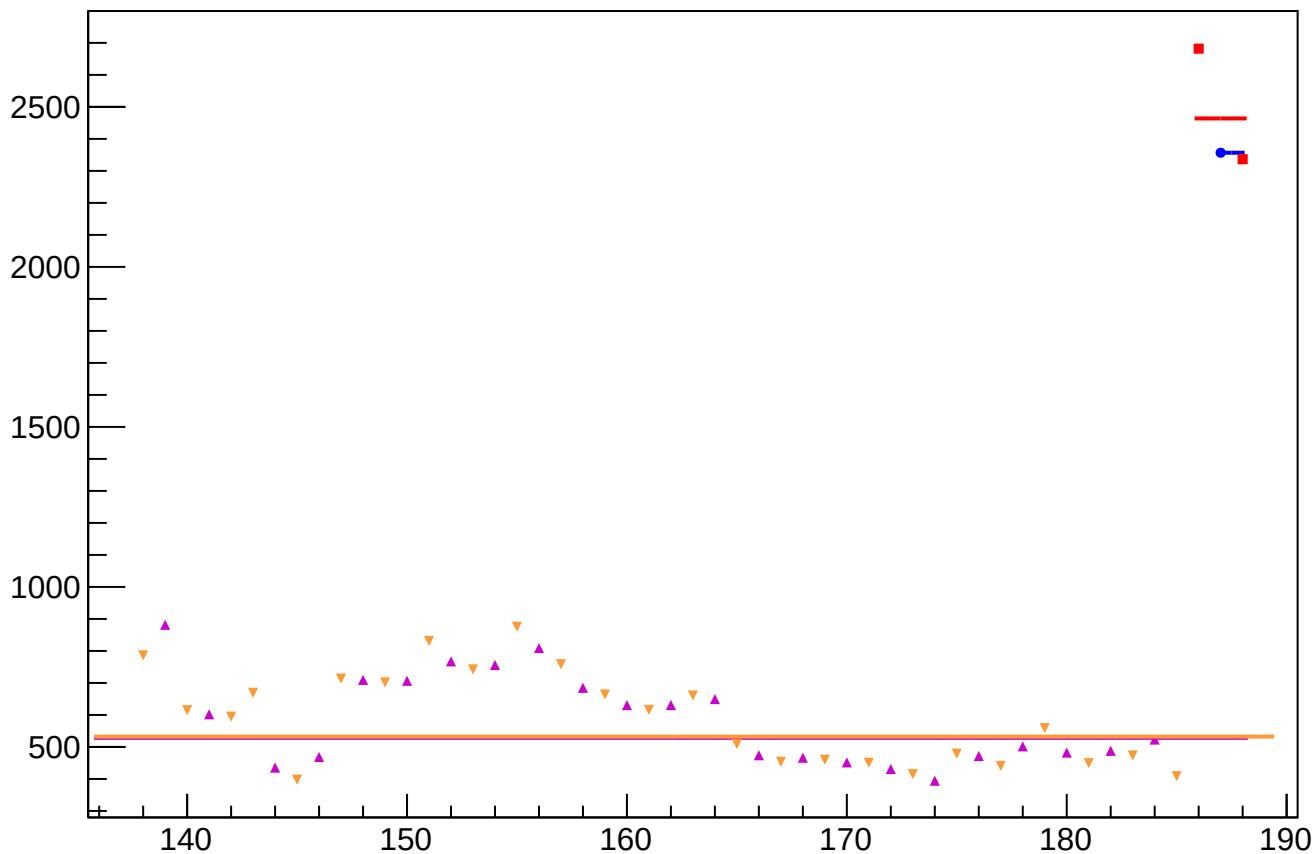
Right: 1955.731 $\pm$ 2431.517 χ^2 /NDF: 0.3/2

In: 43.449 $\pm$ 129.508 χ^2 /NDF:26.1/23

Out: 663.131 $\pm$ 128.015 χ^2 /NDF:63.0/26

All: 356.883 $\pm$ 91.044 χ^2 /NDF: 100.7/50

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: 2463.898+/-1.877 χ^2/NDF : 7888.0/1

Left In: 528.464+/-0.092 χ^2/NDF :1712049.5/22

Left: 530.449+/-0.064 χ^2/NDF : 3656045.7/47

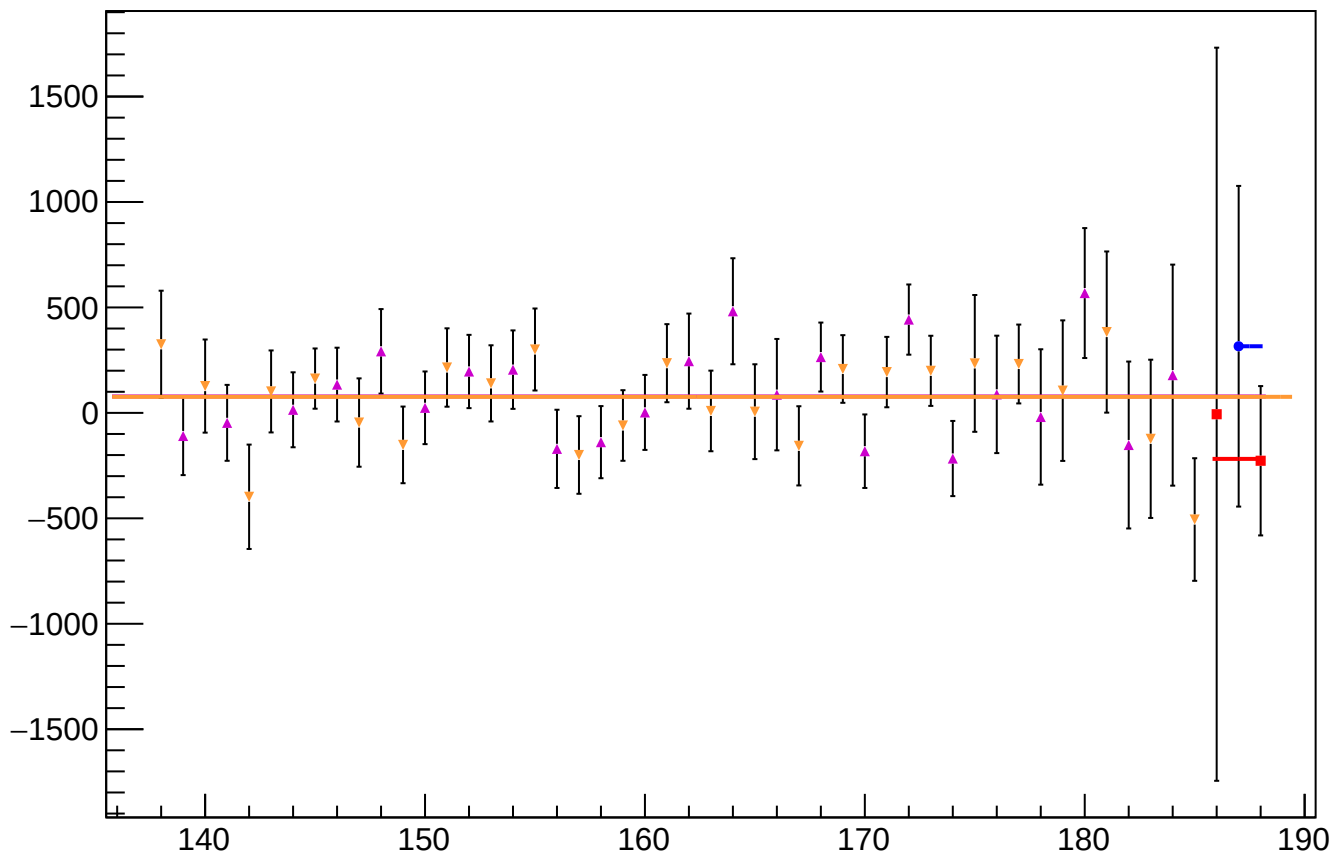
Right: 2446.697+/-1.719 χ^2/NDF : 8411.4/2

In: 529.297+/-0.092 χ^2/NDF :1893480.4/23

Out: 536.887+/-0.091 χ^2/NDF :3007923.4/26

All: 533.136+/-0.064 χ^2/NDF : 4904878.2/50

dit_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 315.936 $\pm$ 760.298 χ^2 /NDF: 0.0/0

Left Out: 76.100 $\pm$ 40.137 χ^2 /NDF:22.0/24

Right Out: -218.195 $\pm$ 346.945 χ^2 /NDF: 0.0/1

Left In: 77.905 $\pm$ 41.864 χ^2 /NDF:24.7/22

Left: 76.965 $\pm$ 28.972 χ^2 /NDF: 46.7/47

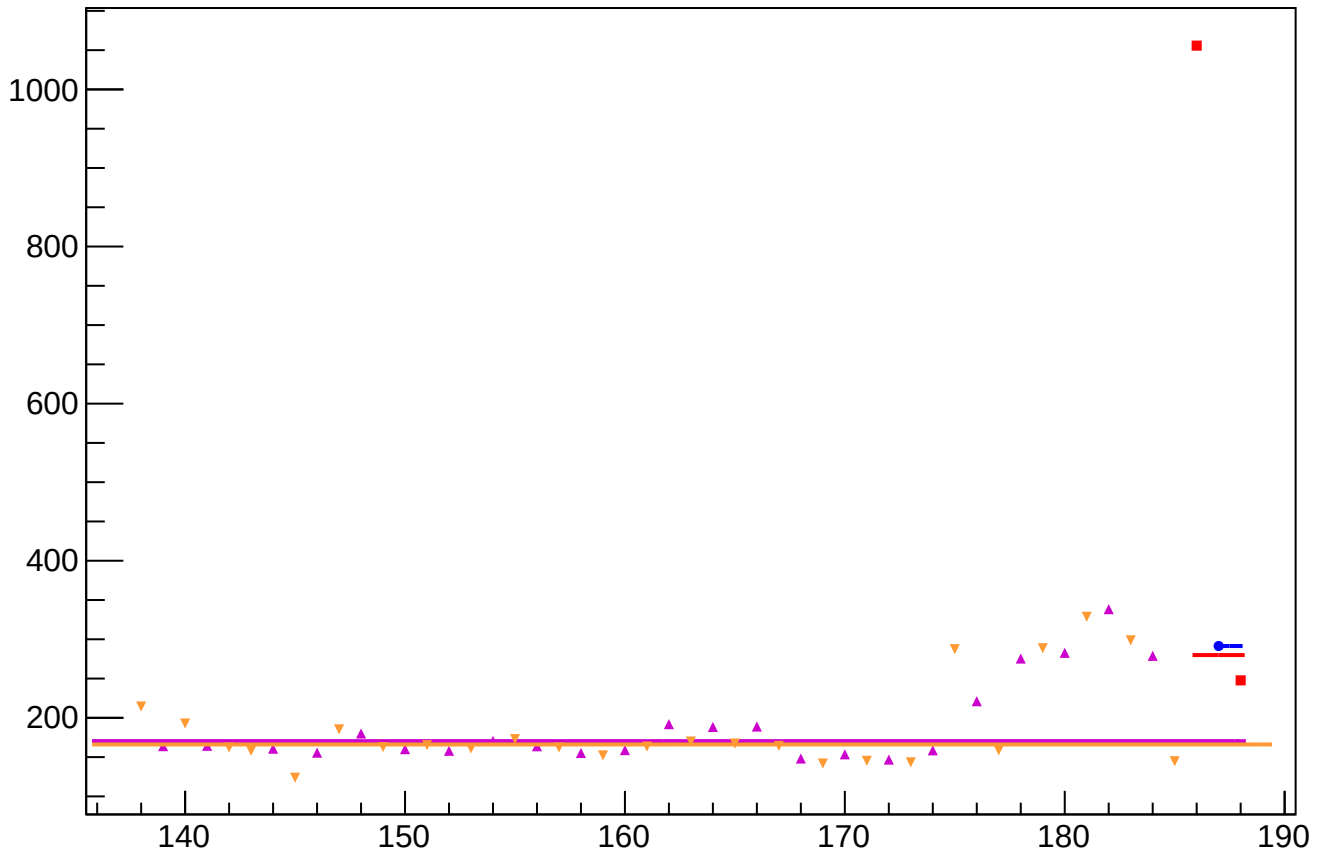
Right: -126.139 $\pm$ 315.635 χ^2 /NDF: 0.4/2

In: 78.625 $\pm$ 41.800 χ^2 /NDF:24.8/23

Out: 72.214 $\pm$ 39.871 χ^2 /NDF:22.7/26

All: 75.268 $\pm$ 28.851 χ^2 /NDF: 47.5/50

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 291.429+/-0.538 χ^2/NDF : 0.0/0

Left Out: 166.106+/-0.028 χ^2/NDF :1608449.8/24

Right Out: 279.908+/-0.245 χ^2/NDF : 415001.5/1

Left In: 170.340+/-0.030 χ^2/NDF :1208577.3/22

Left: 168.134+/-0.020 χ^2/NDF : 2827687.0/47

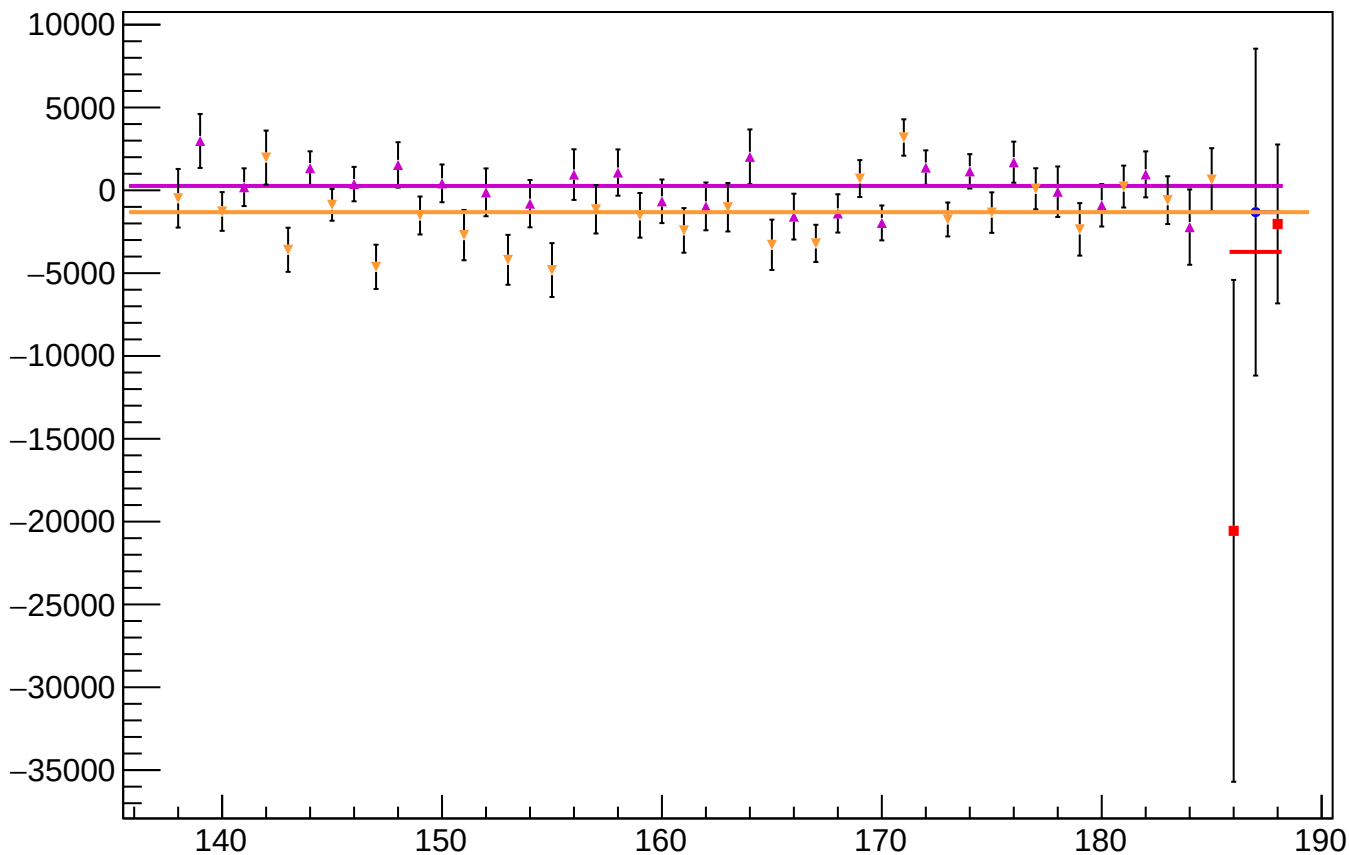
Right: 281.894+/-0.223 χ^2/NDF : 415381.5/2

In: 170.706+/-0.030 χ^2/NDF :1259154.7/23

Out: 167.609+/-0.028 χ^2/NDF :2235794.6/26

All: 169.084+/-0.020 χ^2/NDF : 3500698.4/50

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -1315.687 $\pm$ 9867.219 χ^2 /NDF: 0.0/0

Left Out: -1317.466 $\pm$ 261.671 χ^2 /NDF: 52.8/24

Right Out: -3717.074 $\pm$ 4572.216 χ^2 /NDF: 1.4/1

Left In: 264.475 $\pm$ 266.184 χ^2 /NDF: 22.2/22

Left: -540.020 $\pm$ 186.604 χ^2 /NDF: 93.0/47

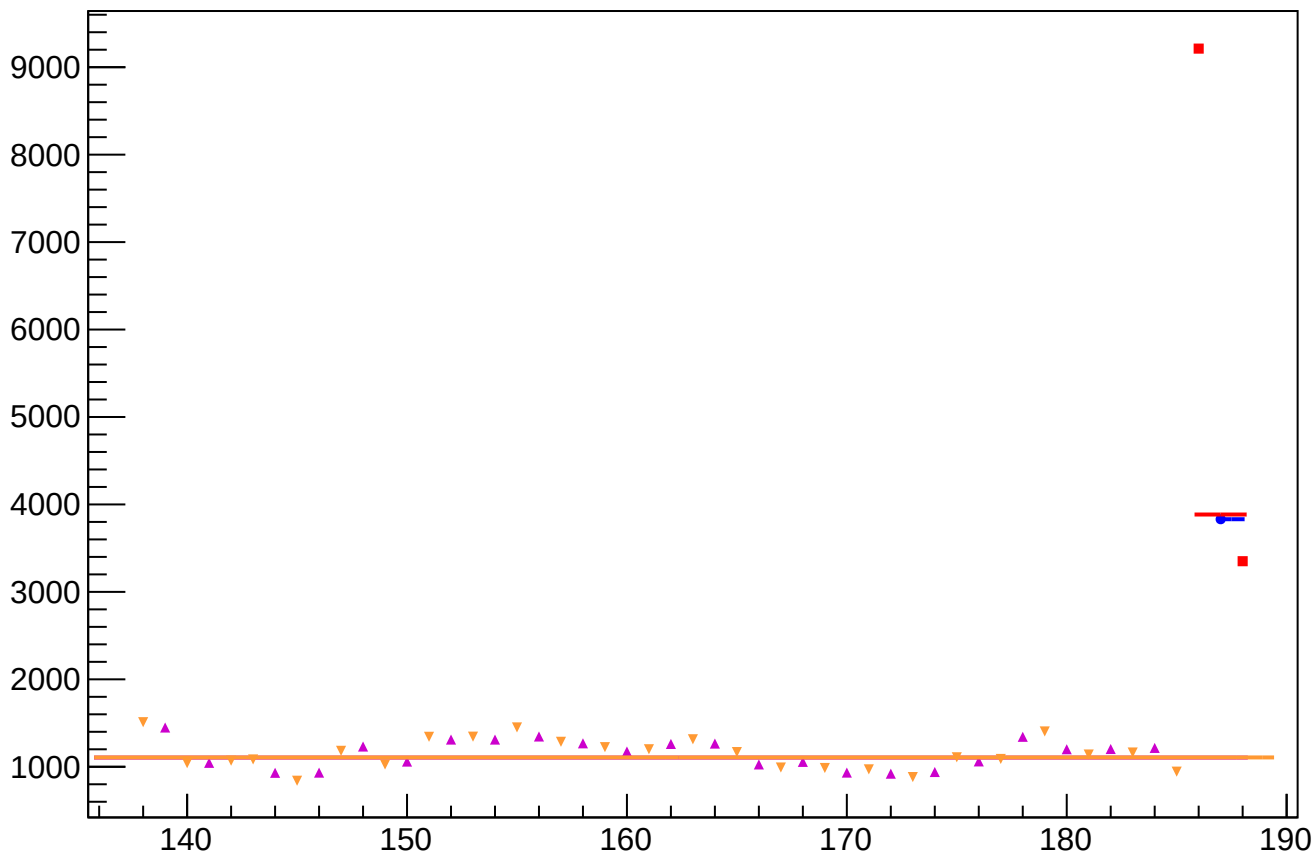
Right: -3292.600 $\pm$ 4148.484 χ^2 /NDF: 1.4/2

In: 263.326 $\pm$ 266.087 χ^2 /NDF: 22.2/23

Out: -1325.300 $\pm$ 261.243 χ^2 /NDF: 54.5/26

All: -545.578 $\pm$ 186.416 χ^2 /NDF: 94.8/50

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 3830.932 $\pm$ 6.977 χ^2 /NDF: 0.0/0

Left Out: 1106.854 $\pm$ 0.185 χ^2 /NDF: 828472.5/24

Right Out: 3884.757 $\pm$ 3.233 χ^2 /NDF: 272159.6/1

Left In: 1104.996 $\pm$ 0.188 χ^2 /NDF: 689175.9/22

Left: 1105.941 $\pm$ 0.132 χ^2 /NDF: 1517698.0/47

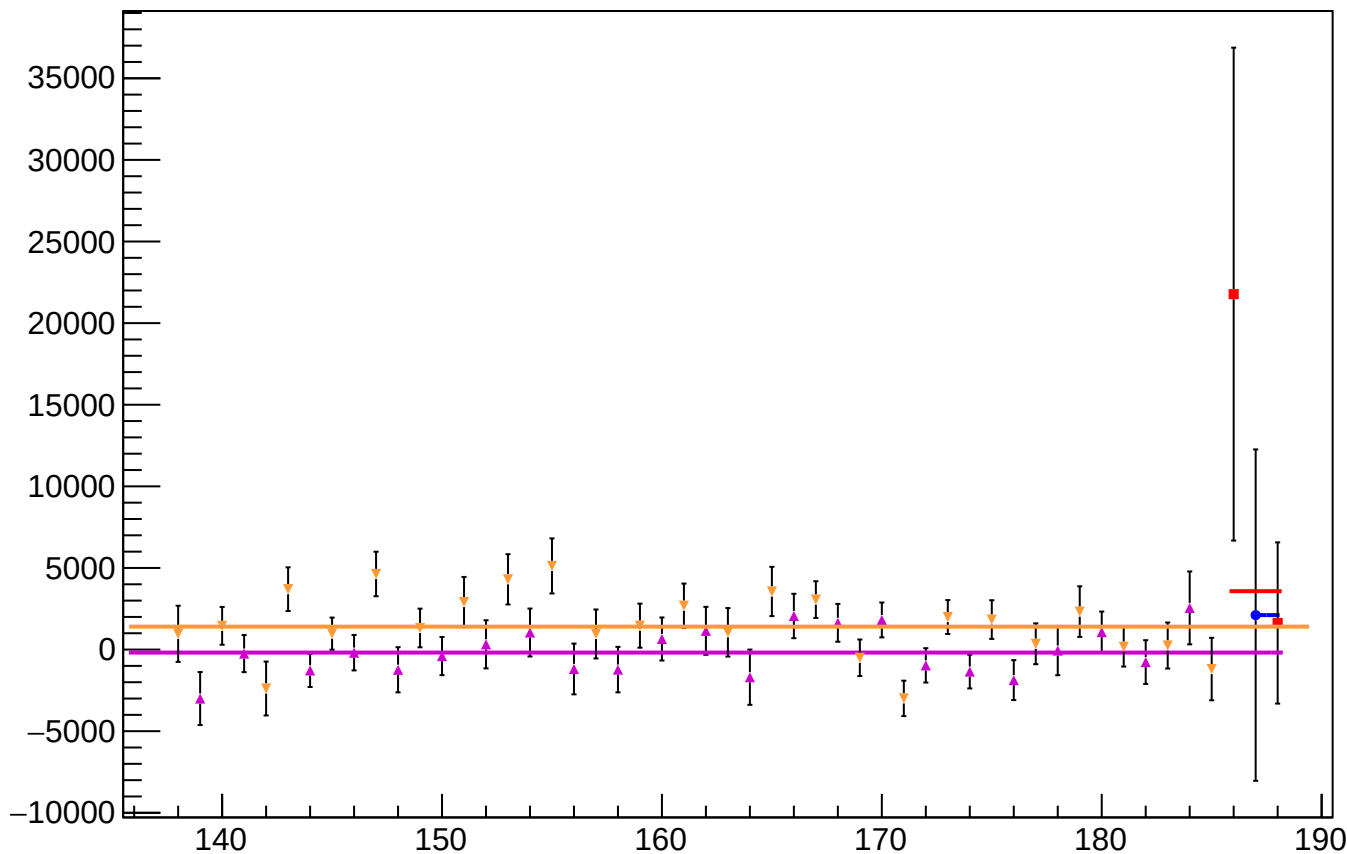
Right: 3875.243 $\pm$ 2.933 χ^2 /NDF: 272208.6/2

In: 1106.979 $\pm$ 0.188 χ^2 /NDF: 841706.1/23

Out: 1115.923 $\pm$ 0.185 χ^2 /NDF: 1836484.3/26

All: 1111.533 $\pm$ 0.132 χ^2 /NDF: 2679341.1/50

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 2111.622+/-10151.201 χ^2 /NDF: 0.0/0

Left Out: 1404.763+/-262.517 χ^2 /NDF:53.1/24

Right Out: 3577.168+/-4694.452 χ^2 /NDF: 1.6/1

Left In: -183.249+/-267.620 χ^2 /NDF:23.7/22

Left: 626.041+/-187.406 χ^2 /NDF: 94.8/47

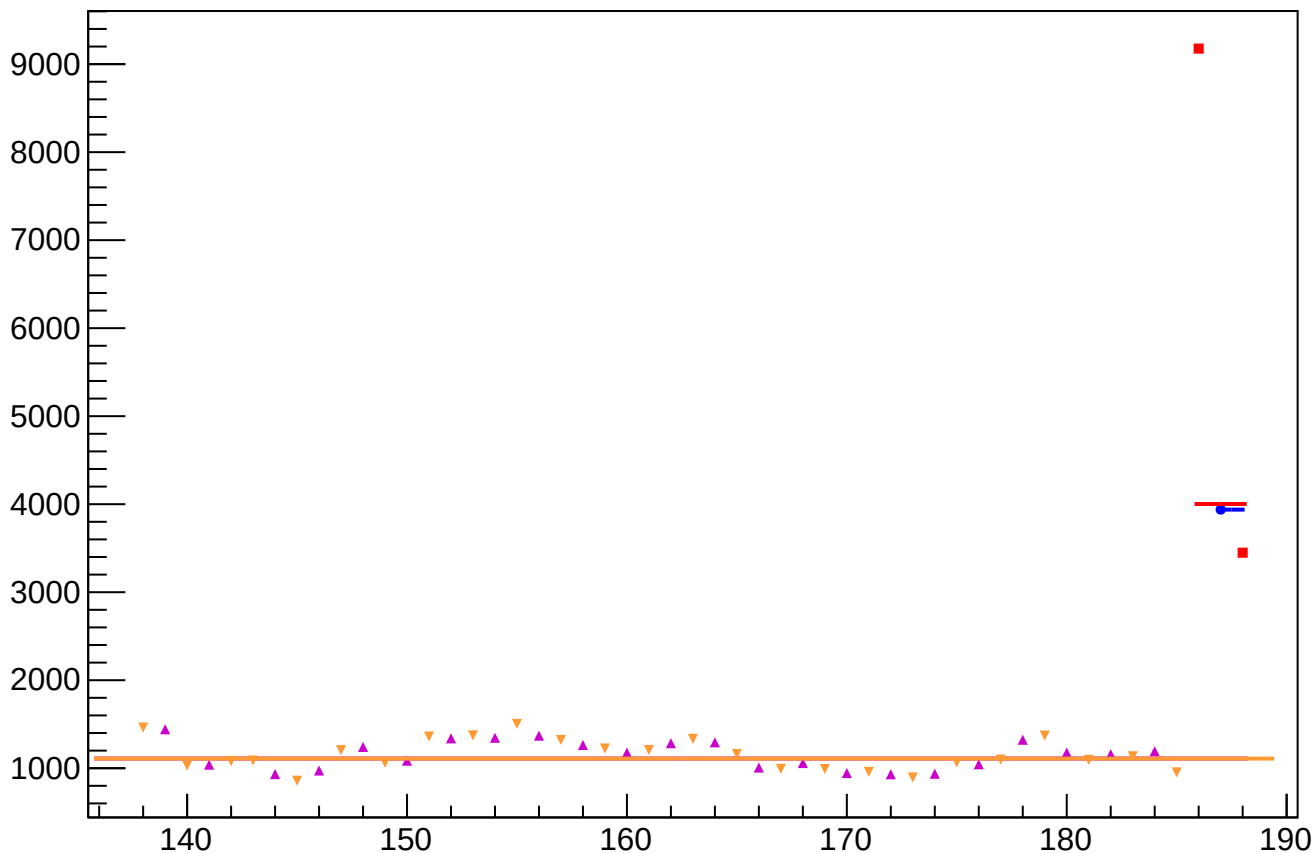
Right: 3318.963+/-4260.888 χ^2 /NDF: 1.6/2

In: -181.655+/-267.527 χ^2 /NDF:23.8/23

Out: 1411.535+/-262.108 χ^2 /NDF:54.9/26

All: 631.241+/-187.225 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: 4002.265+/-3.319 χ^2/NDF : 259977.8/1

Left In: 1110.162+/-0.189 χ^2/NDF : 673229.2/22

Left: 1109.863+/-0.133 χ^2/NDF : 1486192.0/47

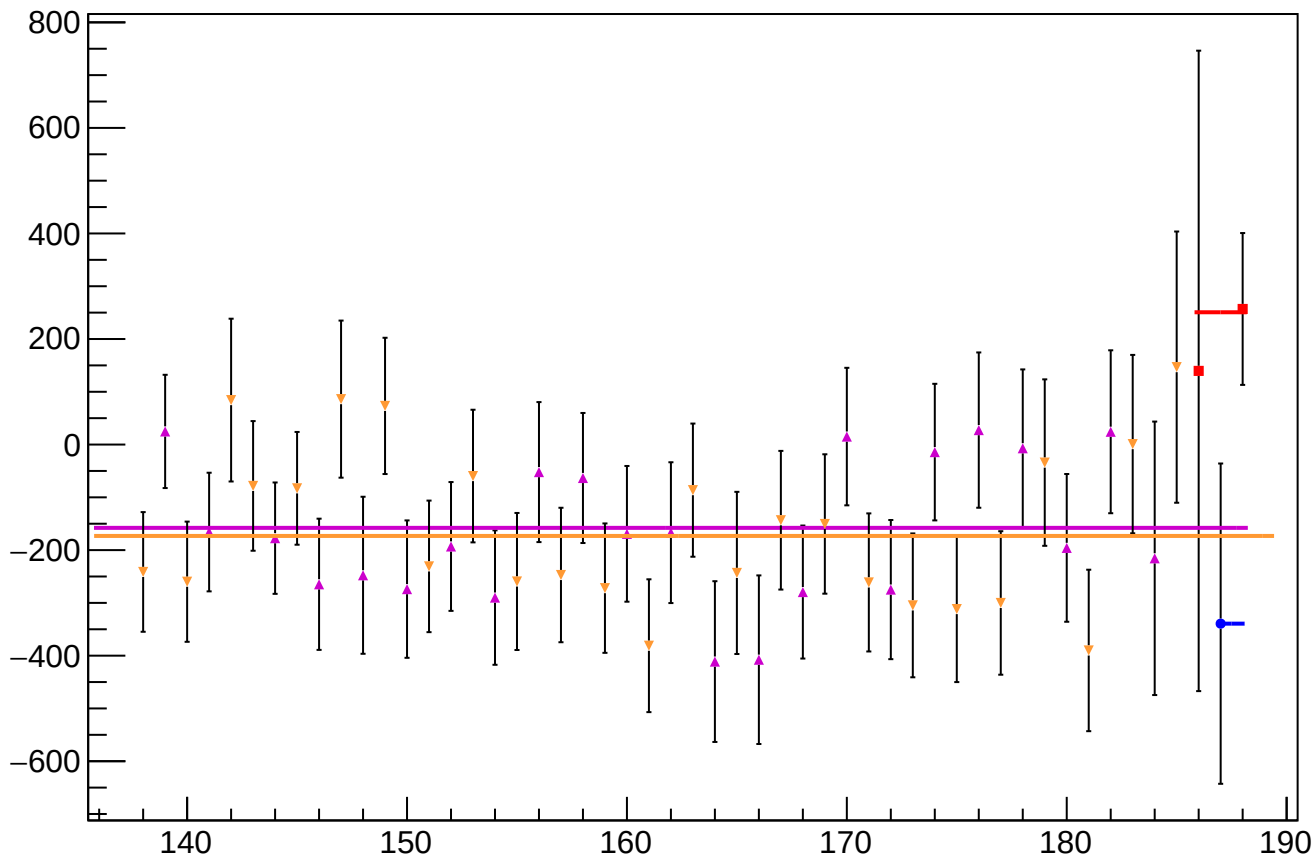
Right: 3991.033+/-3.013 χ^2/NDF : 260042.8/2

In: 1112.127+/-0.189 χ^2/NDF : 828382.2/23

Out: 1118.592+/-0.185 χ^2/NDF : 1829957.2/26

All: 1115.425+/-0.132 χ^2/NDF : 2658935.4/50

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -339.346 $\pm$ 303.448 χ^2 /NDF: 0.0/0

Left Out: -173.150 $\pm$ 26.664 χ^2 /NDF:26.3/24

Right Out: 250.674 $\pm$ 139.976 χ^2 /NDF: 0.0/1

Left In: -157.835 $\pm$ 27.594 χ^2 /NDF:21.3/22

Left: -165.755 $\pm$ 19.175 χ^2 /NDF: 47.8/47

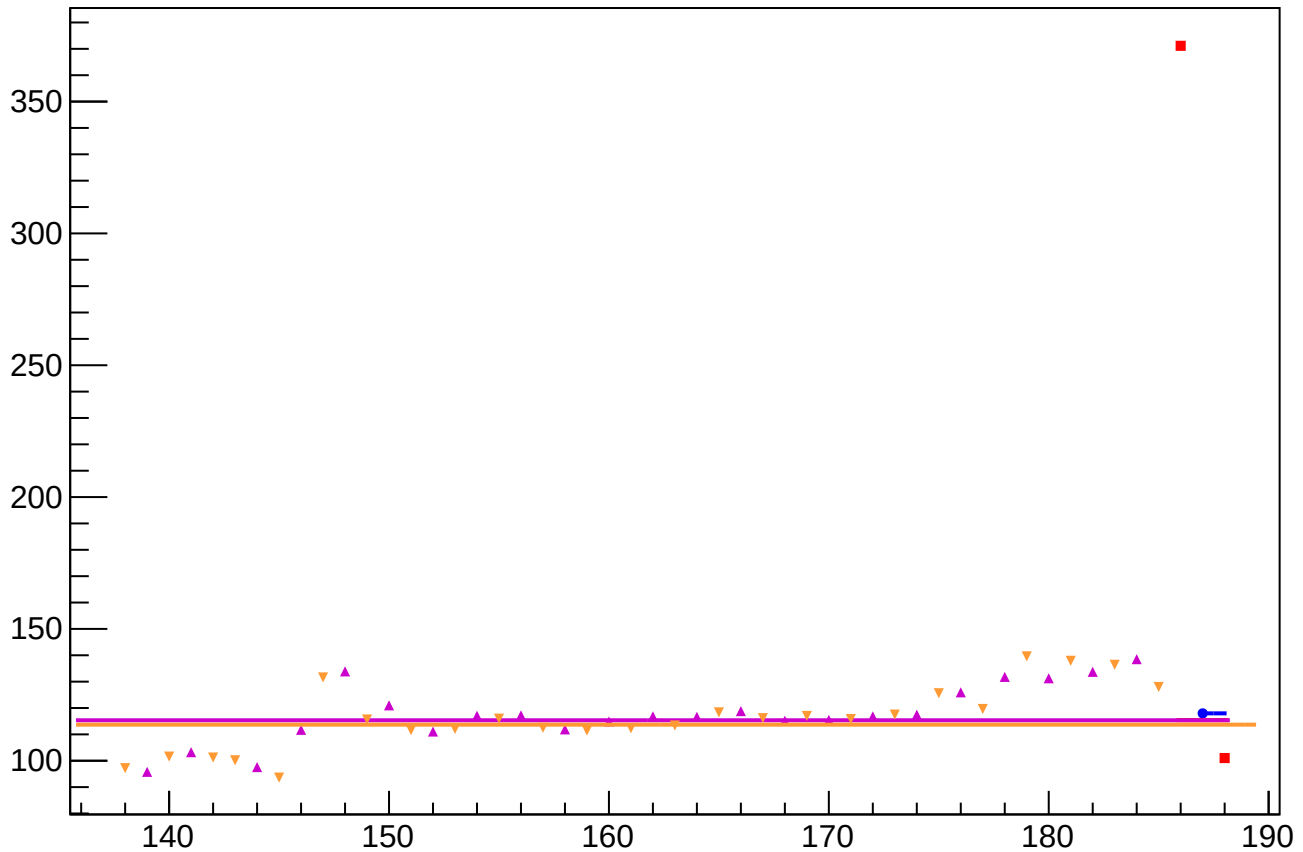
Right: 147.154 $\pm$ 127.105 χ^2 /NDF: 3.2/2

In: -159.323 $\pm$ 27.481 χ^2 /NDF:21.6/23

Out: -158.309 $\pm$ 26.193 χ^2 /NDF:35.2/26

All: -158.792 $\pm$ 18.960 χ^2 /NDF: 56.8/50

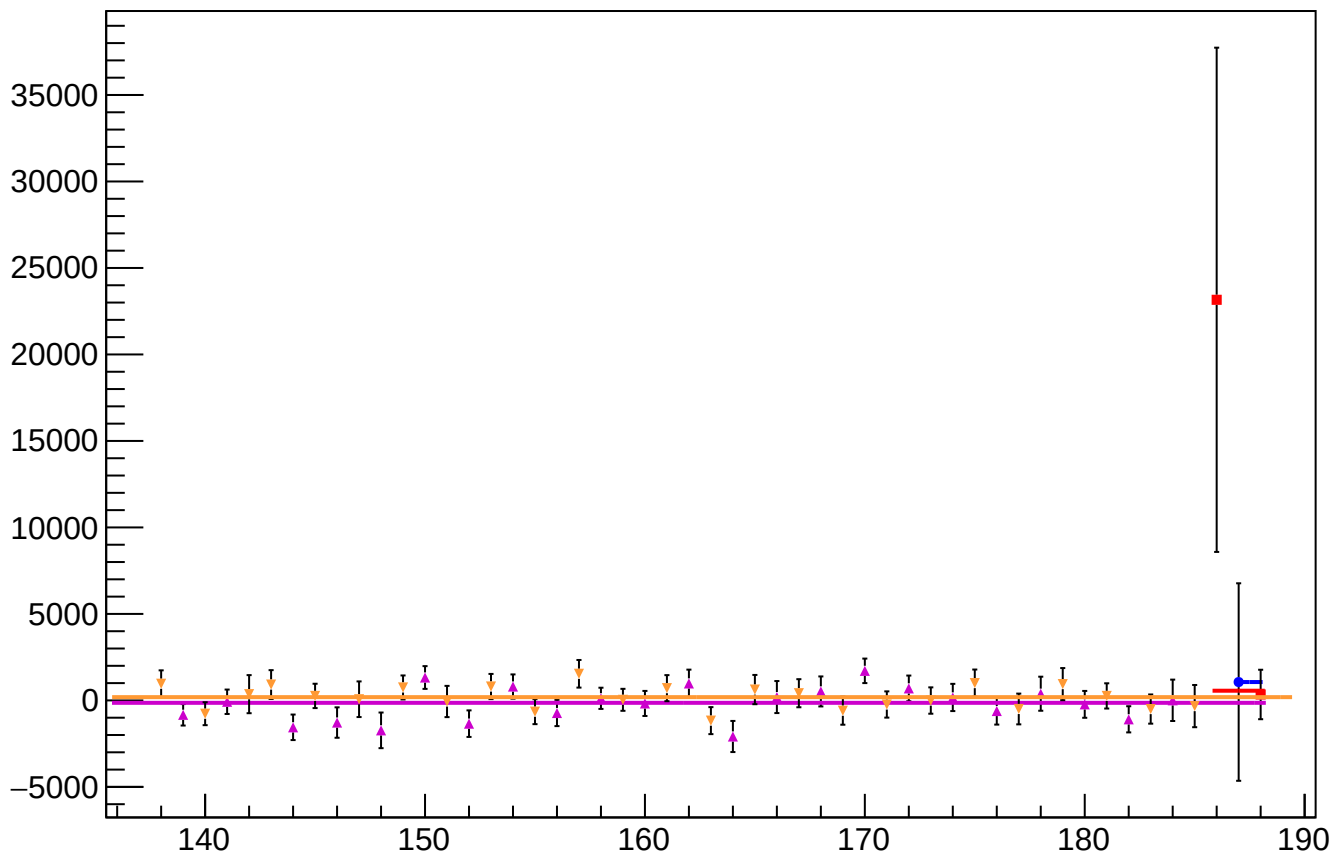
dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 117.974 $\pm$ 0.215 χ^2 /NDF: 0.0/0
 Left Out: 113.682 $\pm$ 0.019 χ^2 /NDF: 375687.9/24
 Right Out: 115.397 $\pm$ 0.099 χ^2 /NDF: 375315.0/1
 Left In: 115.353 $\pm$ 0.020 χ^2 /NDF: 294694.0/22

Left: 114.488 $\pm$ 0.014 χ^2 /NDF: 674173.4/47
 Right: 115.849 $\pm$ 0.090 χ^2 /NDF: 375433.9/2
 In: 115.374 $\pm$ 0.019 χ^2 /NDF: 294841.9/23
 Out: 113.742 $\pm$ 0.019 χ^2 /NDF: 751292.5/26
 All: 114.519 $\pm$ 0.013 χ^2 /NDF: 1049831.3/50

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: 1061.581 $\pm$ 5709.116 χ^2 /NDF: 0.0/0

Left Out: 188.393 $\pm$ 158.788 χ^2 /NDF:18.0/24

Right Out: 560.036 $\pm$ 1422.849 χ^2 /NDF: 2.4/1

Left In: -139.664 $\pm$ 161.085 χ^2 /NDF:36.9/22

Left: 26.721 $\pm$ 113.084 χ^2 /NDF: 57.0/47

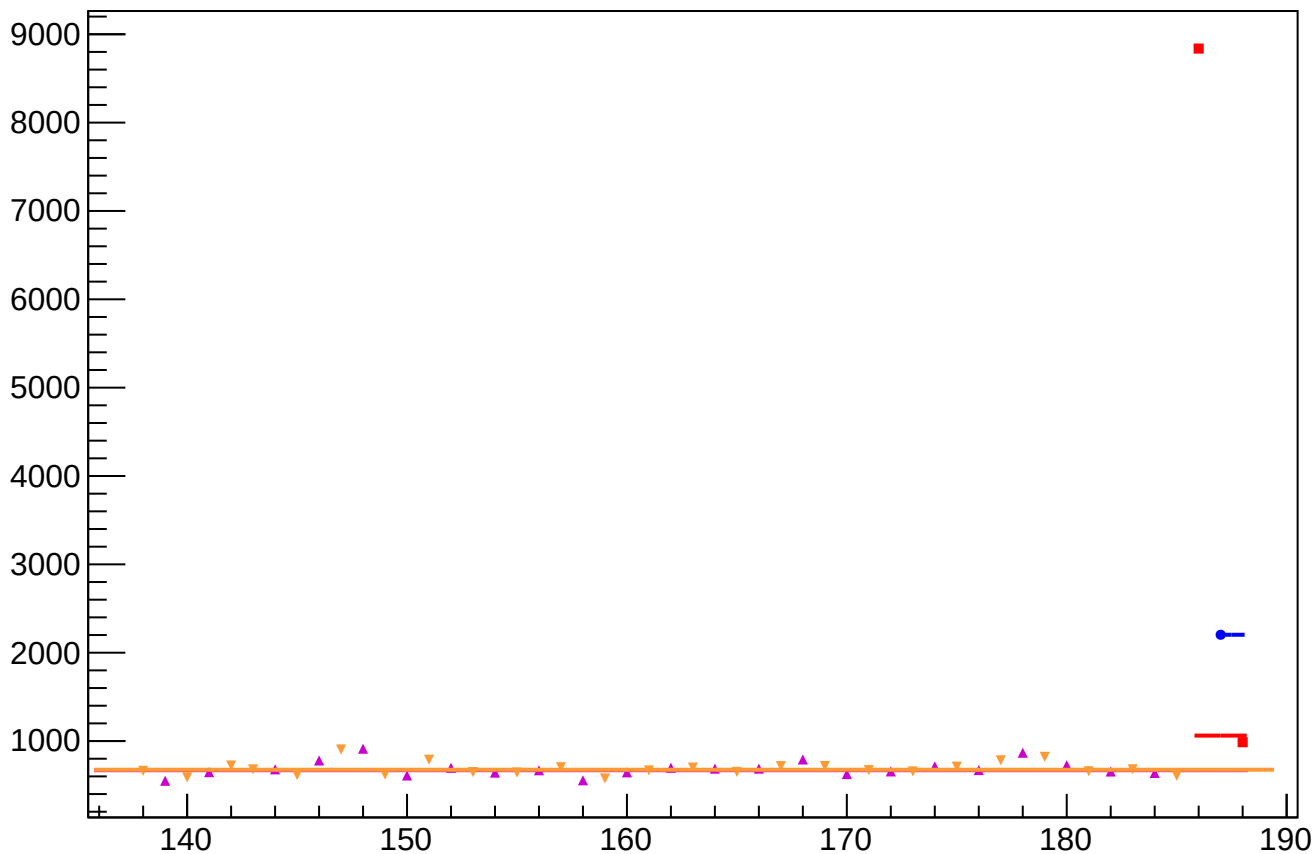
Right: 589.366 $\pm$ 1380.618 χ^2 /NDF: 2.4/2

In: -138.709 $\pm$ 161.021 χ^2 /NDF:36.9/23

Out: 192.964 $\pm$ 157.808 χ^2 /NDF:20.5/26

All: 30.470 $\pm$ 112.706 χ^2 /NDF: 59.6/50

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 2203.145 $\pm$ 4.037 χ^2 /NDF: 0.0/0

Left Out: 675.310 $\pm$ 0.112 χ^2 /NDF: 357103.6/24

Right Out: 1061.795 $\pm$ 1.006 χ^2 /NDF: 574699.8/1

Left In: 670.186 $\pm$ 0.114 χ^2 /NDF: 465026.7/22

Left: 672.785 $\pm$ 0.080 χ^2 /NDF: 823156.4/47

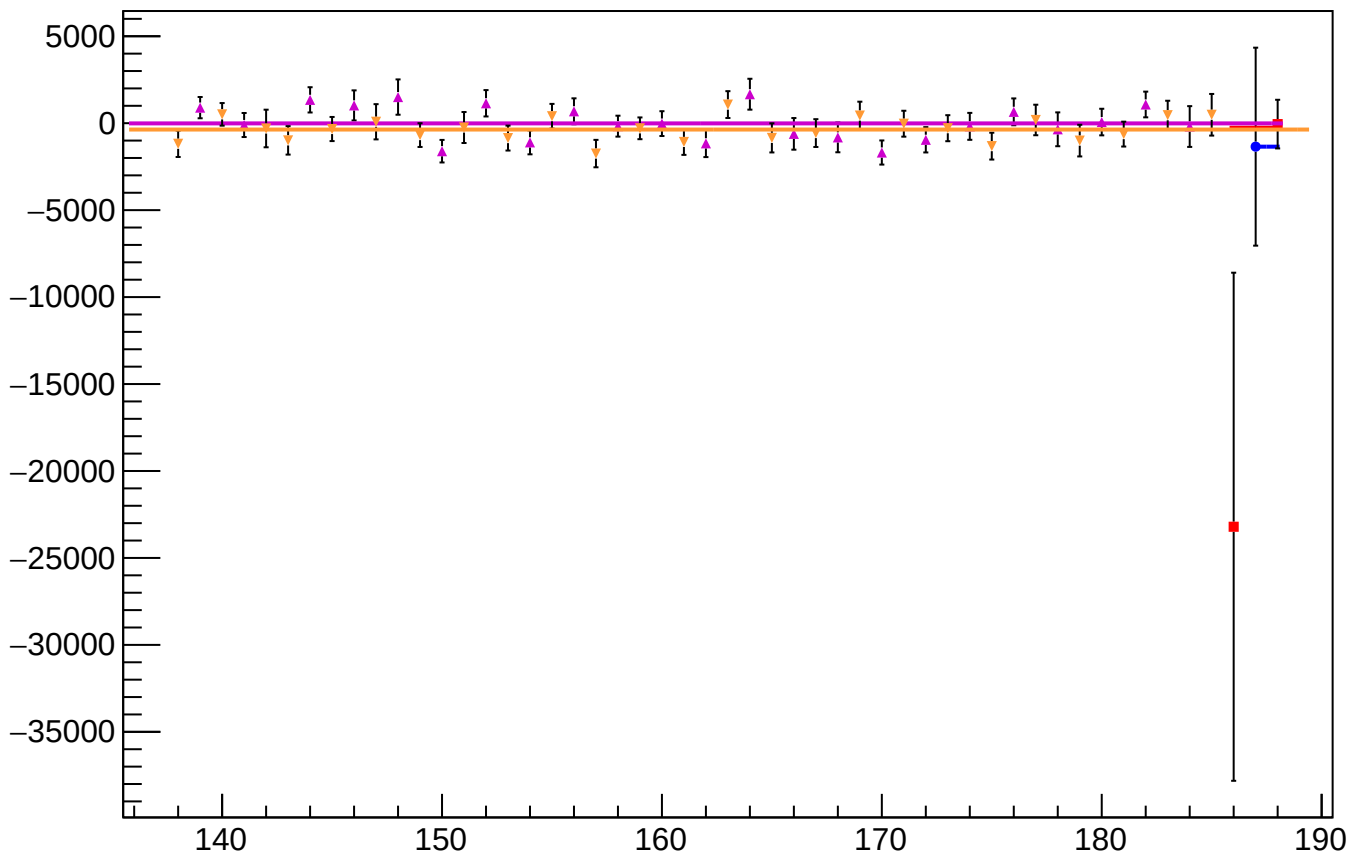
Right: 1128.541 $\pm$ 0.976 χ^2 /NDF: 649958.9/2

In: 671.406 $\pm$ 0.114 χ^2 /NDF: 609107.9/23

Out: 680.064 $\pm$ 0.112 χ^2 /NDF: 1077551.3/26

All: 675.822 $\pm$ 0.080 χ^2 /NDF: 1689608.8/50

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: -262.915+/-1392.453 χ^2 /NDF: 2.5/1

Left In: -11.243+/-158.497 χ^2 /NDF:38.8/22

Left: -190.789+/-111.290 χ^2 /NDF: 60.1/47

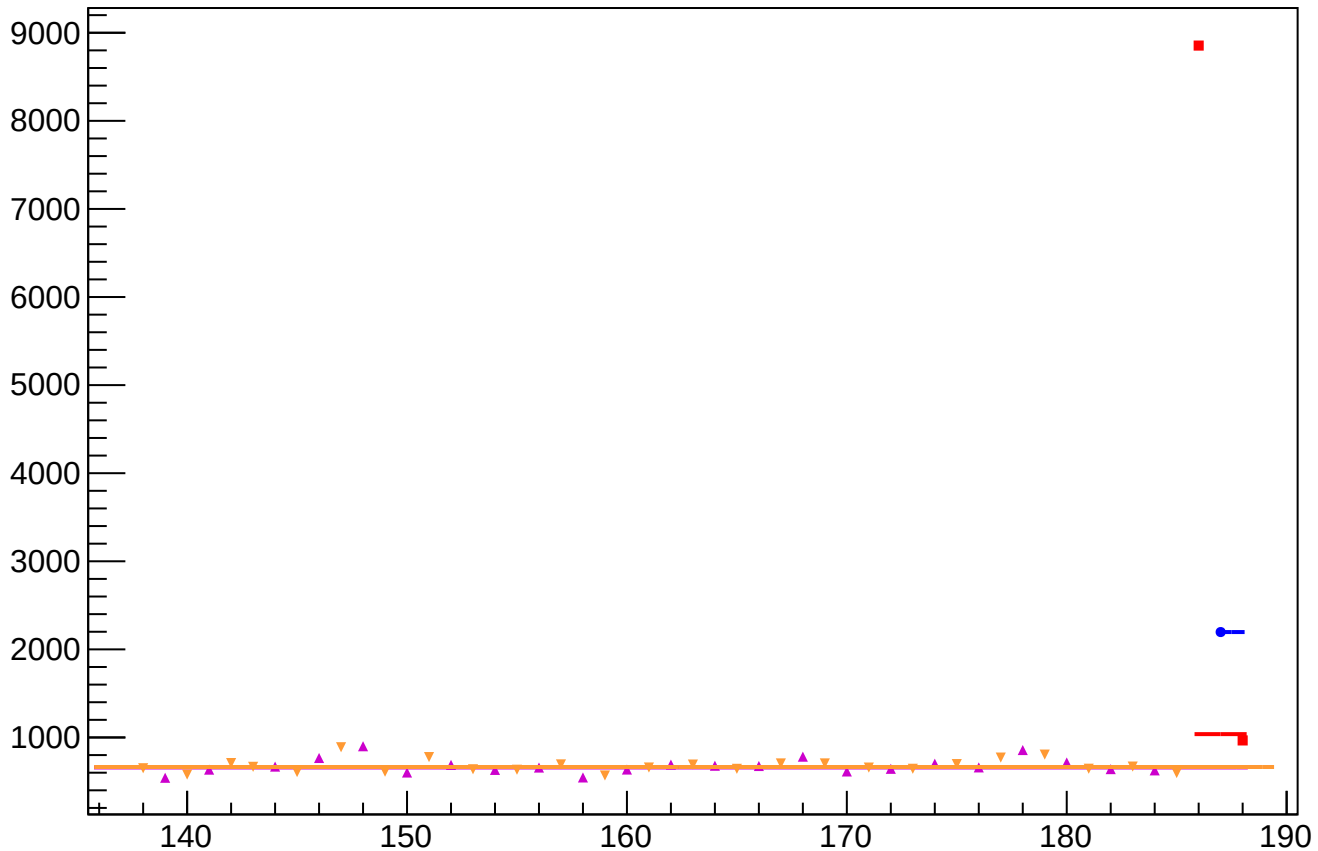
Right: -324.270+/-1352.573 χ^2 /NDF: 2.5/2

In: -12.280+/-158.436 χ^2 /NDF:38.9/23

Out: -364.119+/-155.325 χ^2 /NDF:21.2/26

All: -191.687+/-110.915 χ^2 /NDF: 62.6/50

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: 1037.875+/-0.985 χ^2/NDF : 577818.0/1

Left In: 659.230+/-0.112 χ^2/NDF : 472744.9/22

Left: 661.962+/-0.079 χ^2/NDF : 830881.0/47

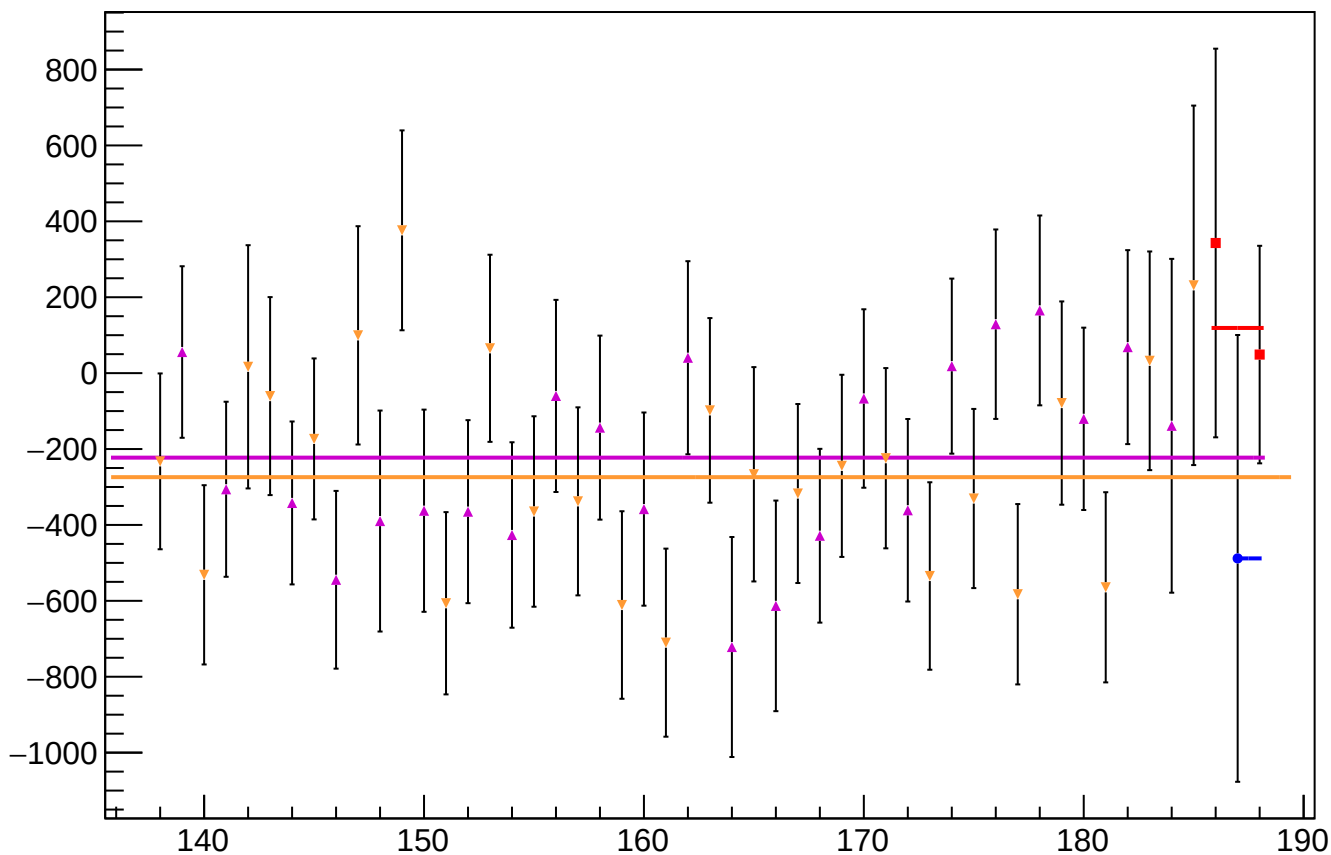
Right: 1103.295+/-0.956 χ^2/NDF : 656007.9/2

In: 660.421+/-0.112 χ^2/NDF : 618509.6/23

Out: 669.263+/-0.110 χ^2/NDF : 1076703.7/26

All: 664.929+/-0.078 χ^2/NDF : 1698389.4/50

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: -488.176+/-588.672 χ^2/NDF : 0.0/0

Left Out: -274.118+/-50.683 χ^2/NDF :27.3/24

Right Out: 119.048+/-250.099 χ^2/NDF : 0.3/1

Left In: -222.676+/-52.013 χ^2/NDF :20.9/22

Left: -249.064+/-36.299 χ^2/NDF : 48.7/47

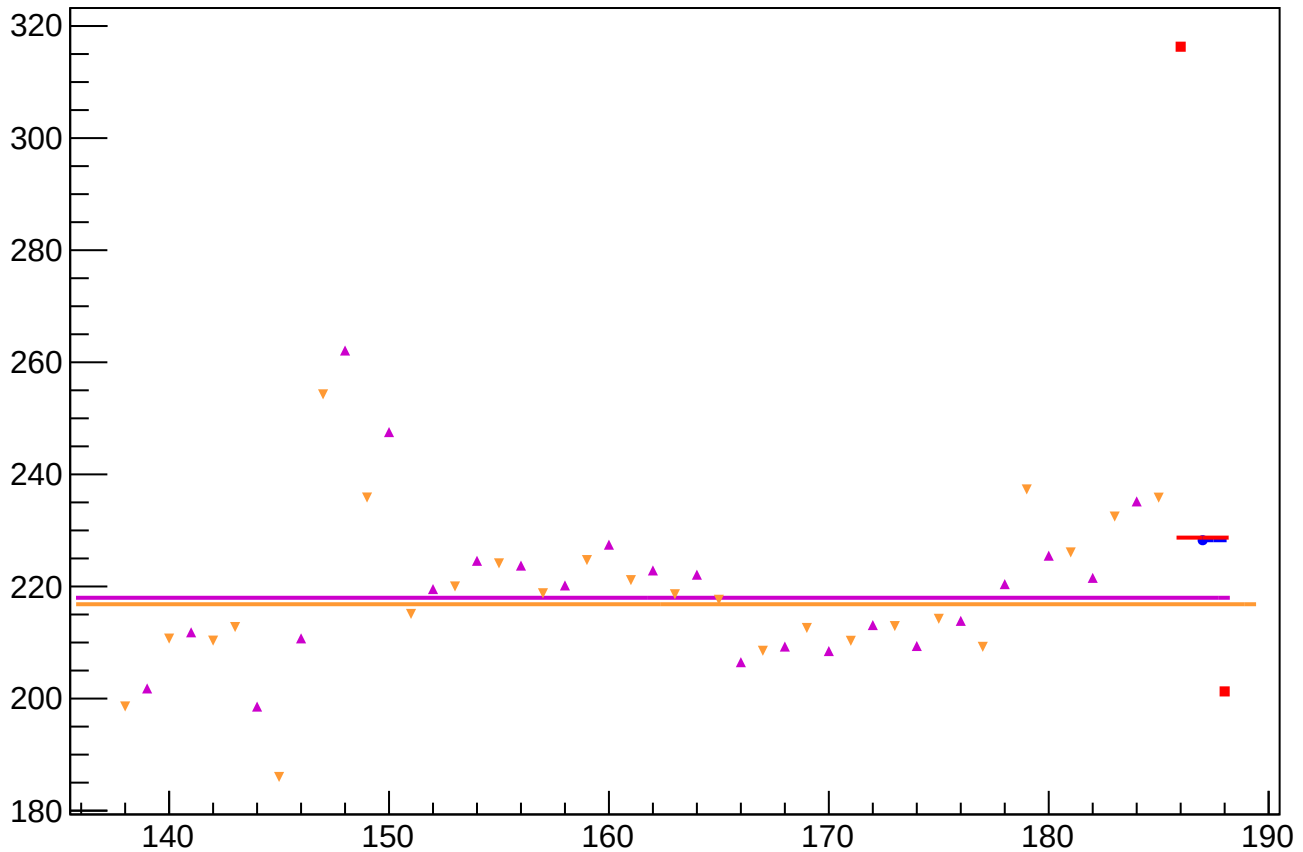
Right: 26.202+/-230.186 χ^2/NDF : 1.2/2

In: -224.733+/-51.812 χ^2/NDF :21.1/23

Out: -258.609+/-49.673 χ^2/NDF :29.9/26

All: -242.384+/-35.856 χ^2/NDF : 51.2/50

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 228.251 $\pm$ 0.416 χ^2 /NDF: 0.0/0

Left Out: 216.832 $\pm$ 0.036 χ^2 /NDF:137568.7/24

Right Out: 228.718 $\pm$ 0.177 χ^2 /NDF: 76850.4/1

Left In: 217.985 $\pm$ 0.037 χ^2 /NDF:126459.7/22

Left: 217.393 $\pm$ 0.026 χ^2 /NDF: 264532.2/47

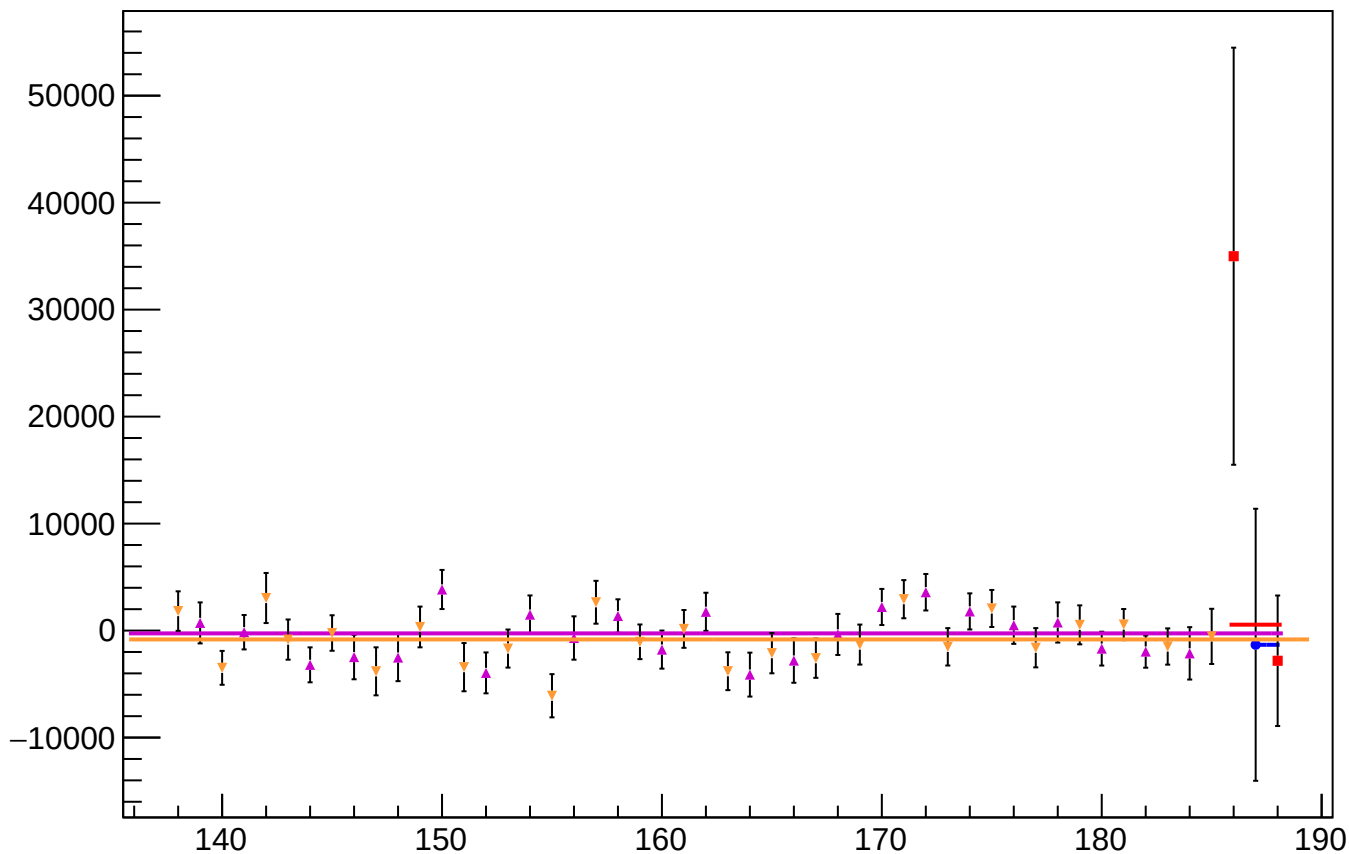
Right: 228.646 $\pm$ 0.163 χ^2 /NDF: 76851.5/2

In: 218.064 $\pm$ 0.037 χ^2 /NDF:127063.3/23

Out: 217.301 $\pm$ 0.035 χ^2 /NDF:218757.9/26

All: 217.666 $\pm$ 0.025 χ^2 /NDF: 346047.4/50

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1326.685 $\pm$ 12713.798 χ^2 /NDF: 0.0/0

Left Out: -827.624 $\pm$ 366.769 χ^2 /NDF:35.0/24

Right Out: 551.275 $\pm$ 5821.345 χ^2 /NDF: 3.4/1

Left In: -261.143 $\pm$ 376.738 χ^2 /NDF:35.4/22

Left: -551.977 $\pm$ 262.798 χ^2 /NDF: 71.6/47

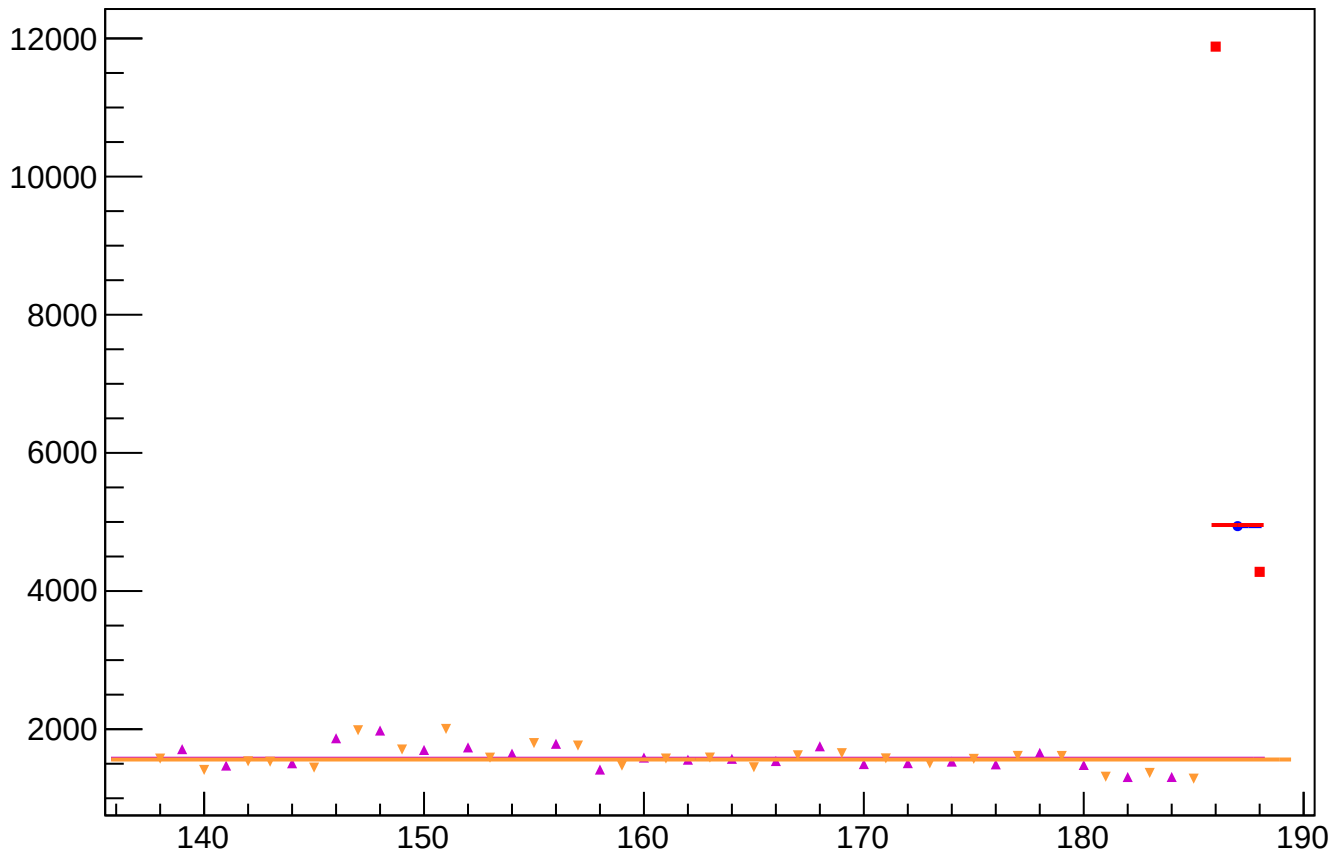
Right: 225.797 $\pm$ 5292.896 χ^2 /NDF: 3.4/2

In: -262.077 $\pm$ 376.572 χ^2 /NDF:35.4/23

Out: -822.172 $\pm$ 366.043 χ^2 /NDF:38.5/26

All: -550.064 $\pm$ 262.475 χ^2 /NDF: 75.1/50

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 4939.547+/-8.990 χ^2/NDF : 0.0/0

Left Out: 1561.091+/-0.259 χ^2/NDF : 371797.9/24

Right Out: 4955.890+/-4.116 χ^2/NDF : 277168.6/1

Left In: 1572.605+/-0.266 χ^2/NDF : 327717.1/22

Left: 1566.694+/-0.186 χ^2/NDF : 700474.0/47

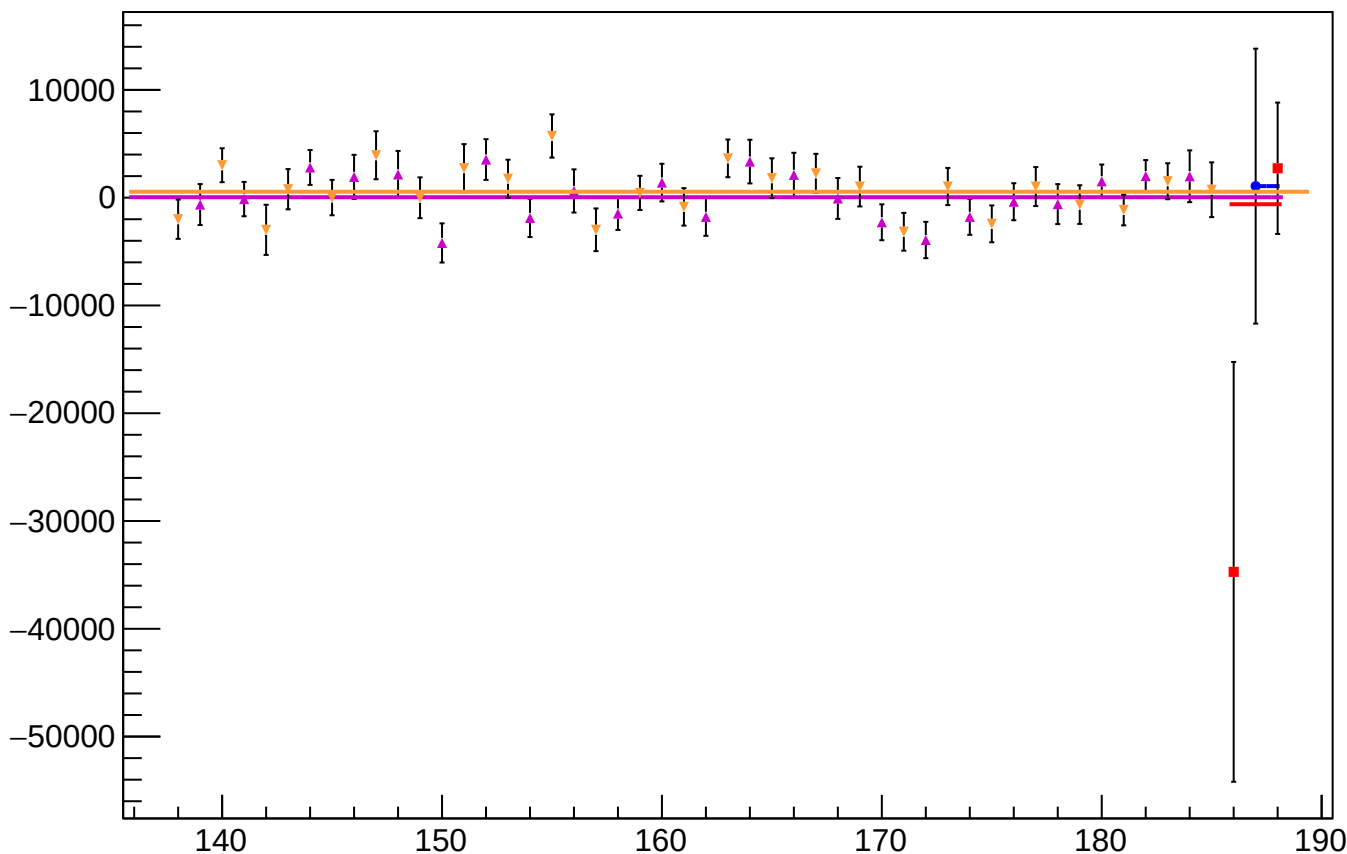
Right: 4953.057+/-3.743 χ^2/NDF : 277171.4/2

In: 1575.558+/-0.266 χ^2/NDF : 467859.5/23

Out: 1574.514+/-0.259 χ^2/NDF : 1326437.6/26

All: 1575.021+/-0.186 χ^2/NDF : 1794305.1/50

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1071.971+/-12754.068 χ^2/NDF : 0.0/0

Left Out: 550.093+/-362.172 χ^2/NDF :35.6/24

Right Out: -608.915+/-5815.206 χ^2/NDF : 3.4/1

Left In: 43.949+/-371.765 χ^2/NDF :33.5/22

Left: 303.636+/-259.420 χ^2/NDF : 70.0/47

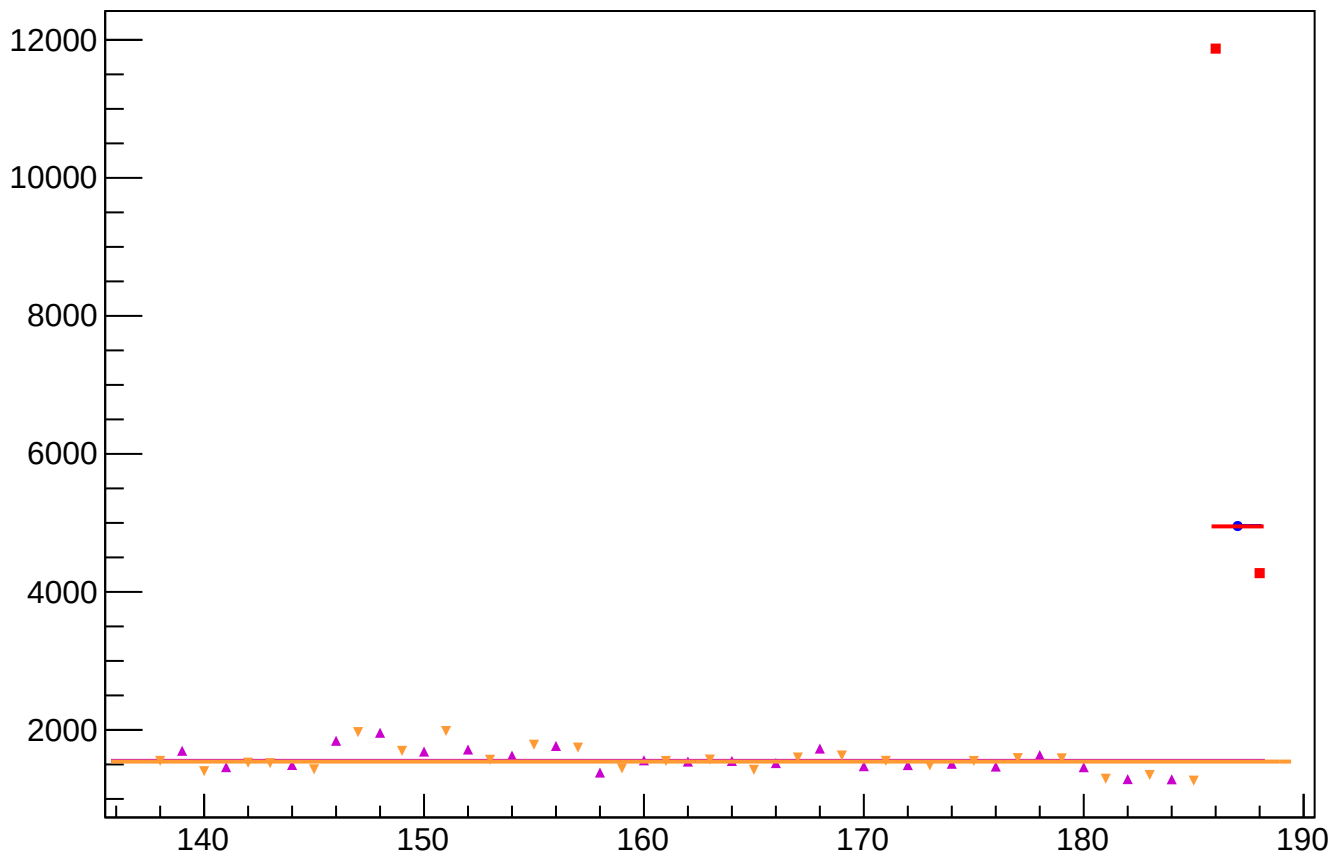
Right: -319.618+/-5291.167 χ^2/NDF : 3.4/2

In: 44.822+/-371.608 χ^2/NDF :33.5/23

Out: 545.615+/-361.472 χ^2/NDF :39.0/26

All: 302.141+/-259.108 χ^2/NDF : 73.4/50

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 4954.641 $\pm$ 9.018 χ^2 /NDF: 0.0/0

Left Out: 1541.149 $\pm$ 0.256 χ^2 /NDF:382077.8/24

Right Out: 4949.603 $\pm$ 4.112 χ^2 /NDF: 277431.5/1

Left In: 1551.481 $\pm$ 0.263 χ^2 /NDF:339002.9/22

Left: 1546.180 $\pm$ 0.183 χ^2 /NDF: 721873.3/47

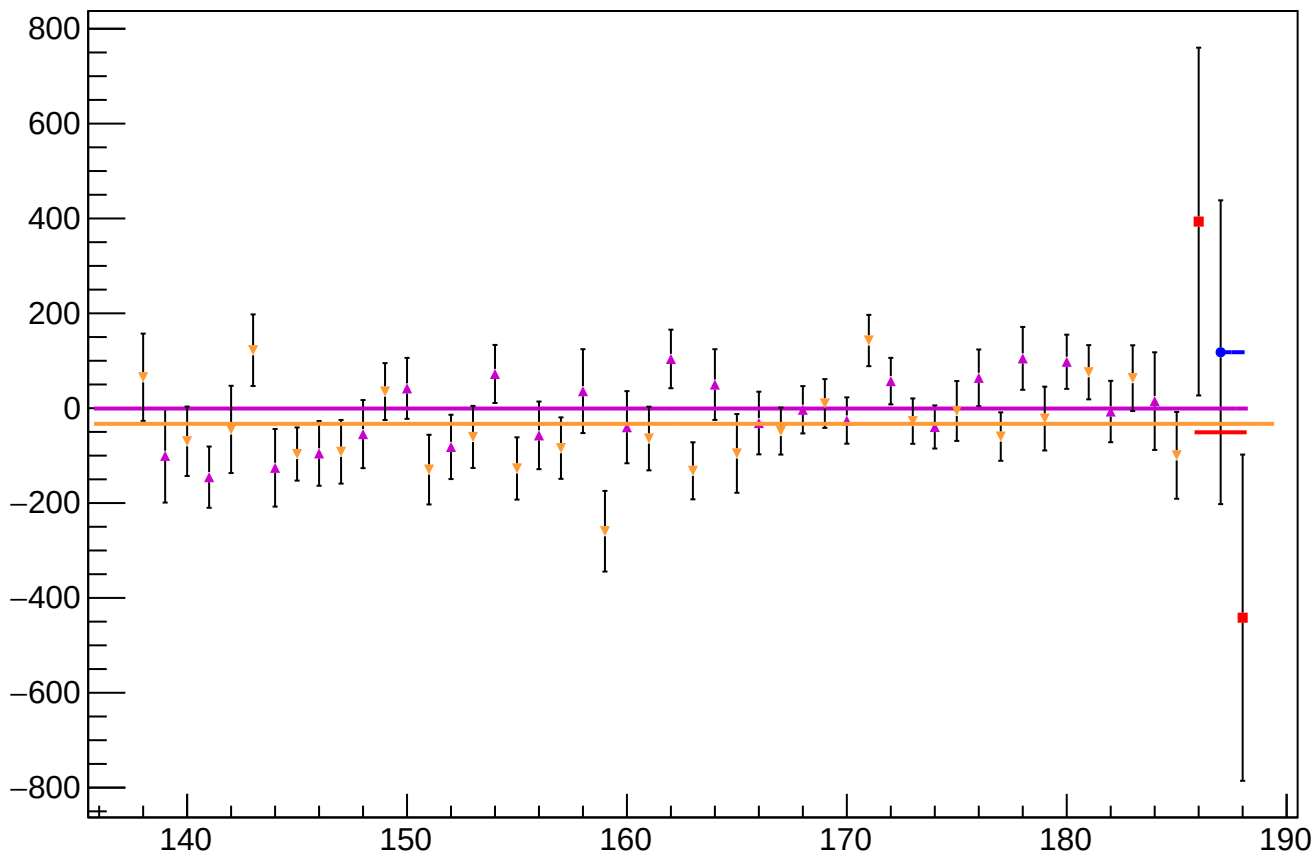
Right: 4950.470 $\pm$ 3.741 χ^2 /NDF: 277431.8/2

In: 1554.370 $\pm$ 0.263 χ^2 /NDF:481277.9/23

Out: 1554.318 $\pm$ 0.256 χ^2 /NDF:1343946.1/26

All: 1554.343 $\pm$ 0.183 χ^2 /NDF: 1825224.0/50

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 117.996 ± 320.239 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -32.952 ± 12.760 $\chi^2/\text{NDF}: 42.1/24$

Right Out: -50.805 ± 250.826 $\chi^2/\text{NDF}: 2.8/1$

Left In: -0.712 ± 13.285 $\chi^2/\text{NDF}: 27.9/22$

Left: -17.481 ± 9.203 $\chi^2/\text{NDF}: 73.0/47$

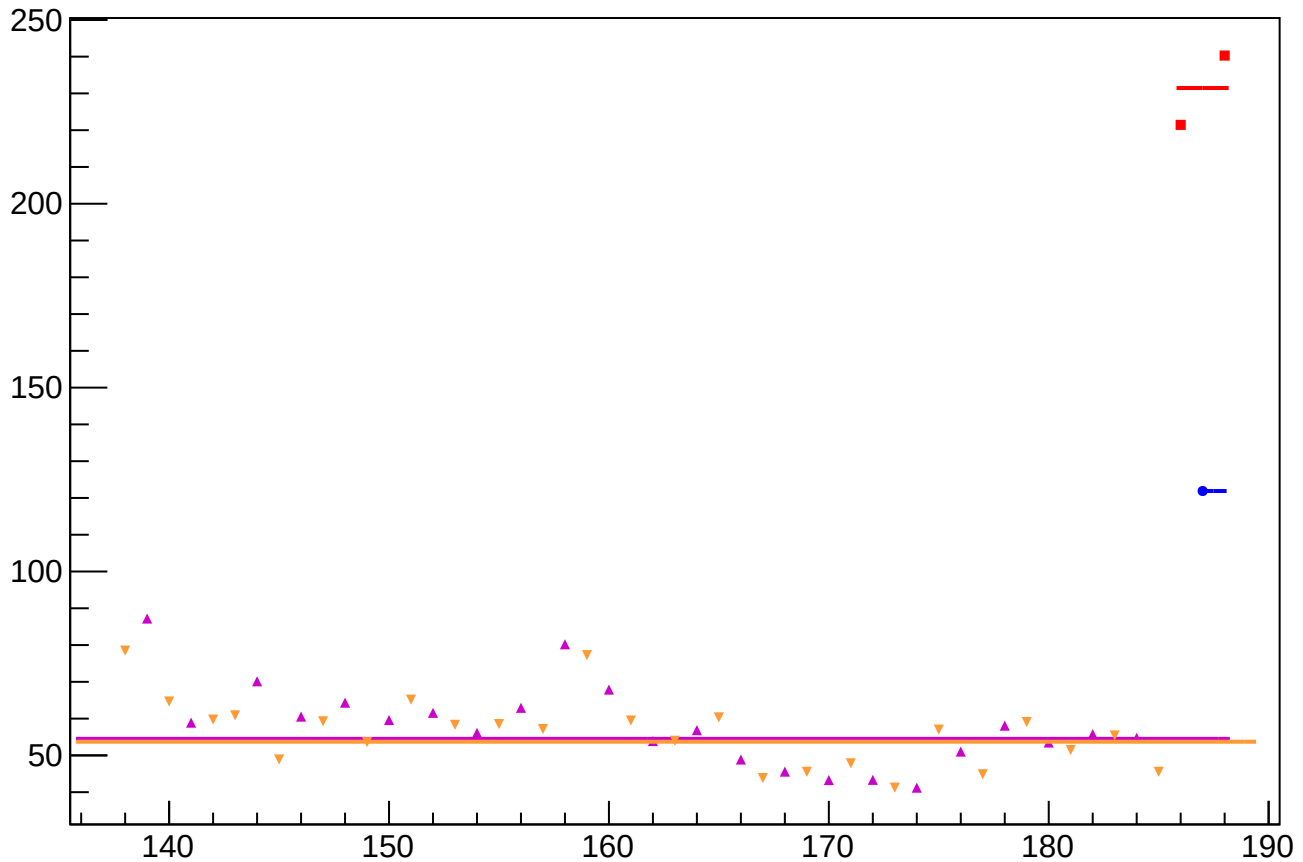
Right: 13.377 ± 197.466 $\chi^2/\text{NDF}: 2.9/2$

In: -0.508 ± 13.274 $\chi^2/\text{NDF}: 28.0/23$

Out: -32.998 ± 12.744 $\chi^2/\text{NDF}: 44.8/26$

All: -17.415 ± 9.193 $\chi^2/\text{NDF}: 76.0/50$

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 121.885 $\pm$ 0.226 χ^2 /NDF: 0.0/0

Left Out: 53.718 $\pm$ 0.009 χ^2 /NDF:888971.7/24

Right Out: 231.467 $\pm$ 0.177 χ^2 /NDF: 2811.7/1

Left In: 54.493 $\pm$ 0.009 χ^2 /NDF:1125242.8/22

Left: 54.090 $\pm$ 0.007 χ^2 /NDF: 2017754.4/47

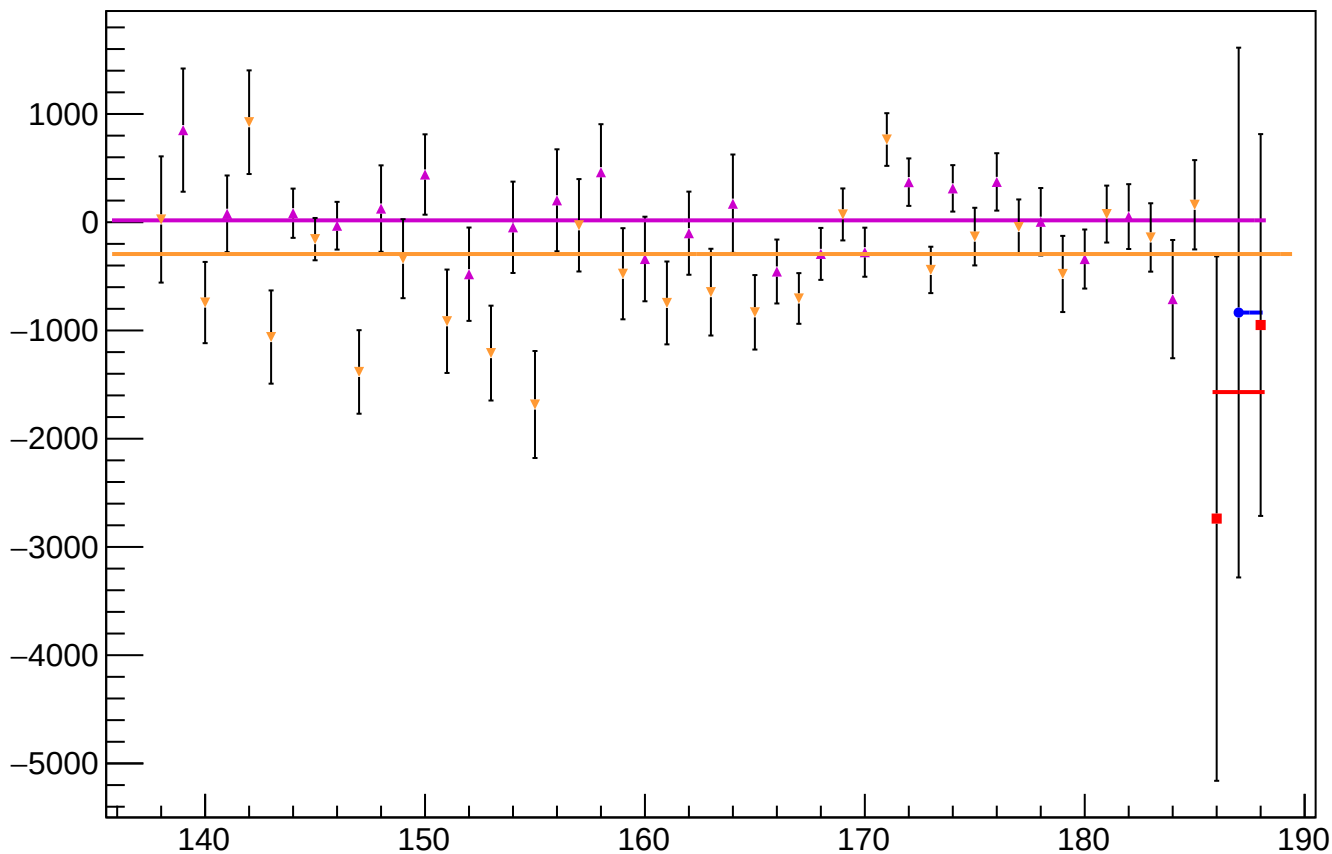
Right: 189.802 $\pm$ 0.140 χ^2 /NDF: 147955.9/2

In: 54.608 $\pm$ 0.009 χ^2 /NDF:1213664.9/23

Out: 54.177 $\pm$ 0.009 χ^2 /NDF:1893581.8/26

All: 54.384 $\pm$ 0.007 χ^2 /NDF: 3108348.6/50

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -834.580 ± 2447.244 χ^2/NDF : 0.0/0

Left Out: -293.763 ± 63.413 χ^2/NDF : 68.8/24

Right Out: -1569.191 ± 1425.889 χ^2/NDF : 0.4/1

Left In: 17.348 ± 63.696 χ^2/NDF : 22.9/22

Left: -138.899 ± 44.940 χ^2/NDF : 103.7/47

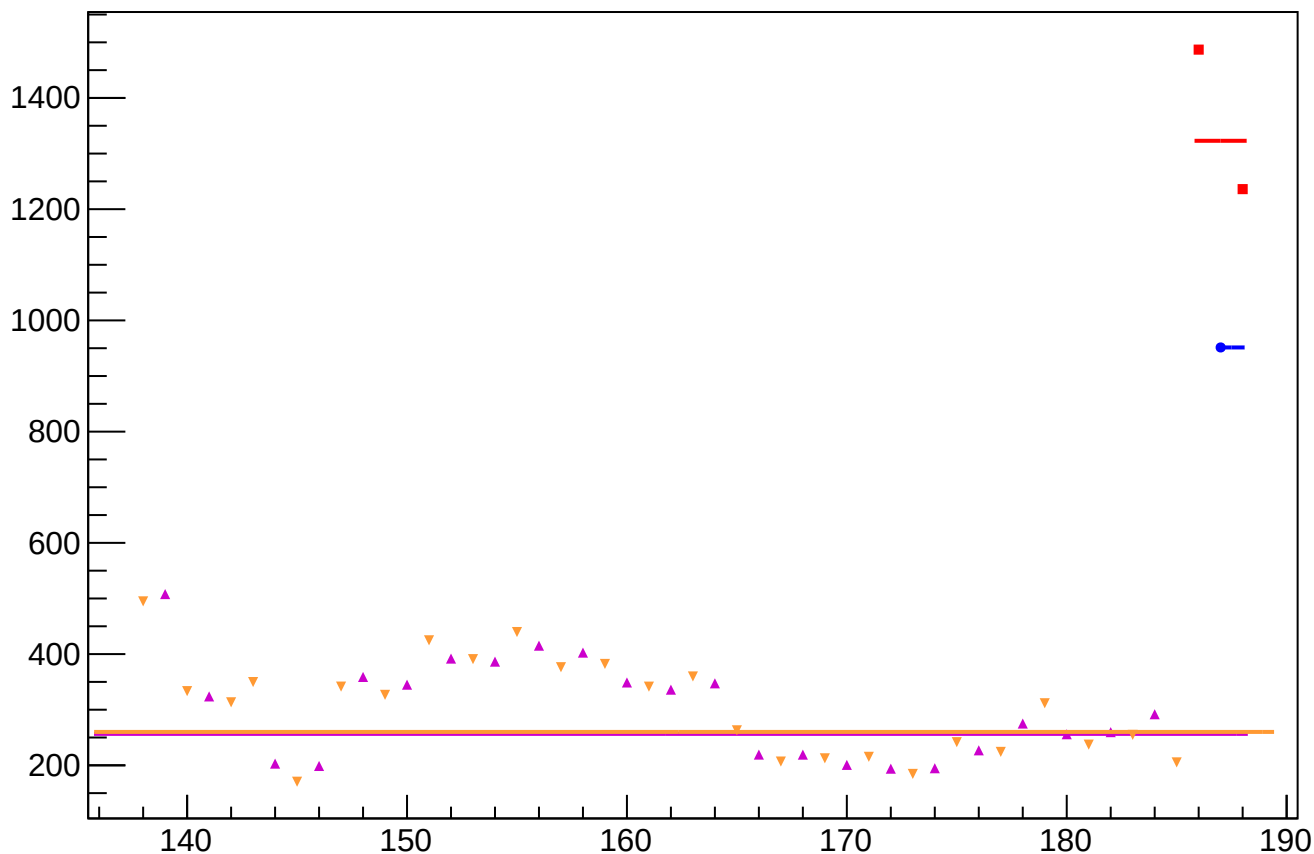
Right: -1383.009 ± 1232.019 χ^2/NDF : 0.4/2

In: 16.772 ± 63.675 χ^2/NDF : 23.1/23

Out: -296.280 ± 63.351 χ^2/NDF : 69.9/26

All: -140.553 ± 44.910 χ^2/NDF : 105.1/50

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Left: 258.294 $\pm$ 0.032 χ^2/NDF : 5576083.2/47

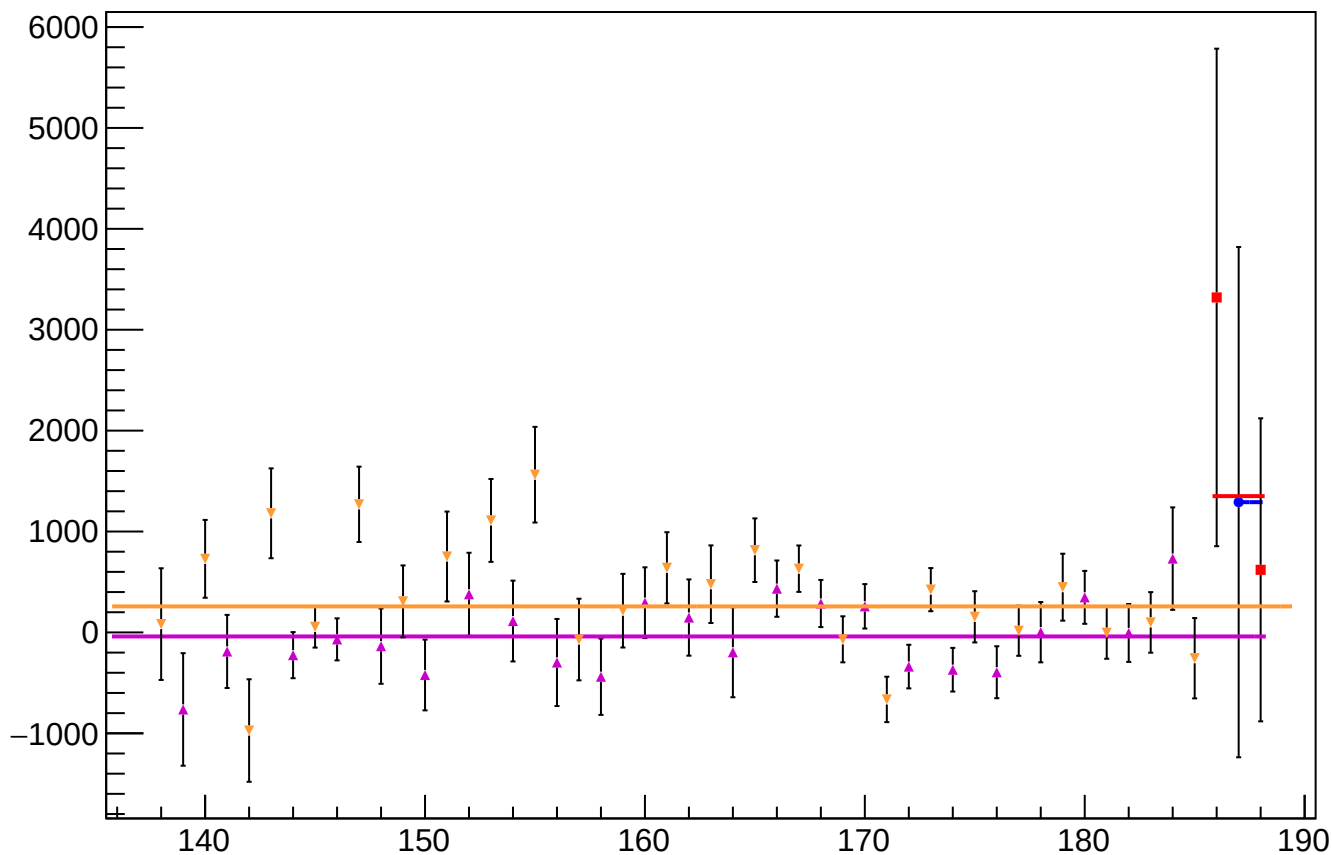
Right: 1228.784 $\pm$ 0.871 χ^2/NDF : 48439.5/2

In: 256.984 $\pm$ 0.045 χ^2/NDF : 2794093.9/23

Out: 262.158 $\pm$ 0.045 χ^2/NDF : 4063158.7/26

All: 259.584 $\pm$ 0.032 χ^2/NDF : 6863889.8/50

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 1290.959+/-2528.638 χ^2/NDF : 0.0/0

Left Out: 258.044+/-61.488 χ^2/NDF : 65.0/24

Right Out: 1350.848+/-1282.570 χ^2/NDF : 0.9/1

Left In: -40.015+/-61.495 χ^2/NDF : 25.0/22

Left: 109.033+/-43.481 χ^2/NDF : 101.8/47

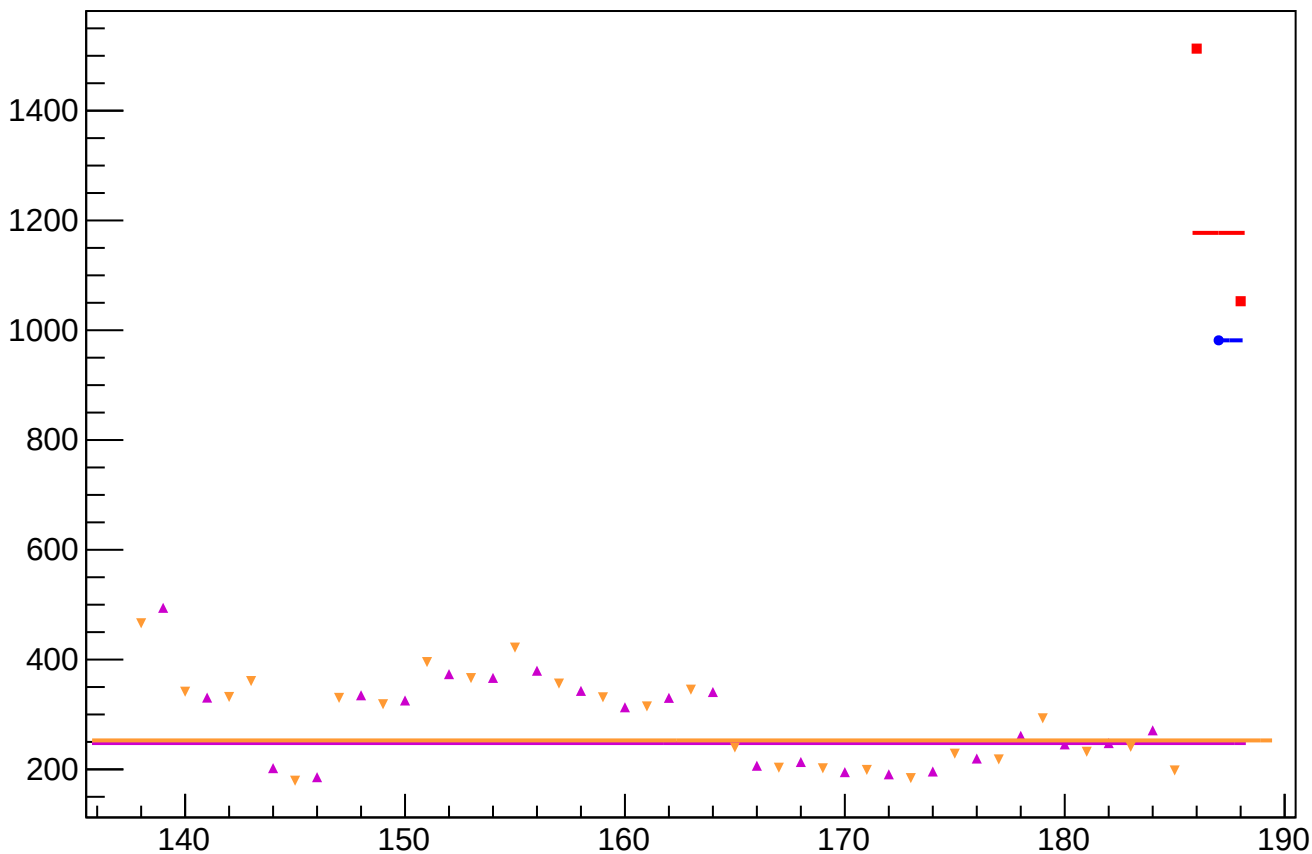
Right: 1338.593+/-1143.844 χ^2/NDF : 0.9/2

In: -39.229+/-61.477 χ^2/NDF : 25.3/23

Out: 260.550+/-61.417 χ^2/NDF : 66.6/26

All: 110.807+/-43.450 χ^2/NDF : 103.8/50

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: 1177.388+/-0.907 χ^2/NDF : 50819.4/1

Left In: 247.919+/-0.043 χ^2/NDF :2374698.8/22

Left: 250.320+/-0.031 χ^2/NDF : 5029597.8/47

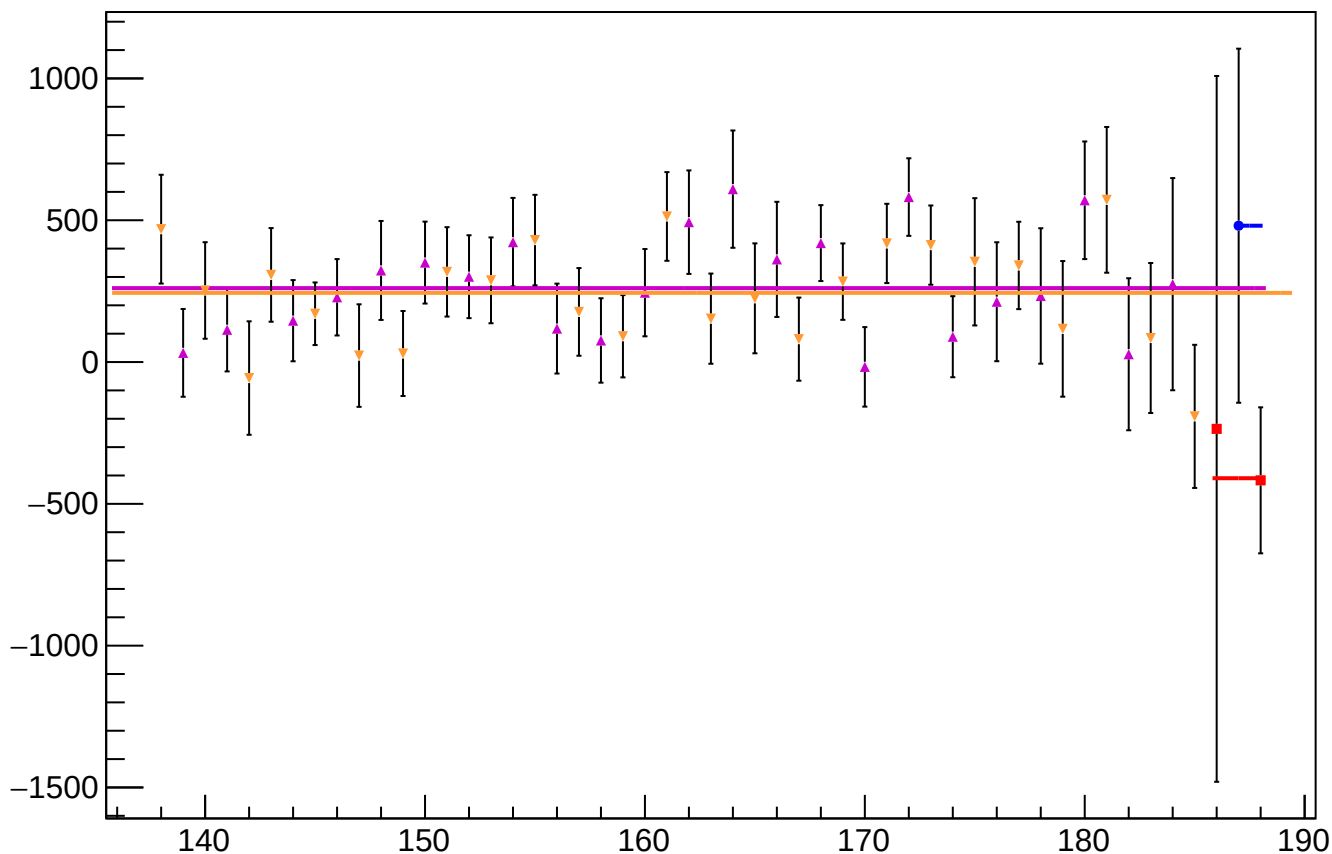
Right: 1137.325+/-0.809 χ^2/NDF : 60356.4/2

In: 248.352+/-0.043 χ^2/NDF :2542971.0/23

Out: 254.841+/-0.043 χ^2/NDF :3736771.5/26

All: 251.600+/-0.031 χ^2/NDF : 6290893.9/50

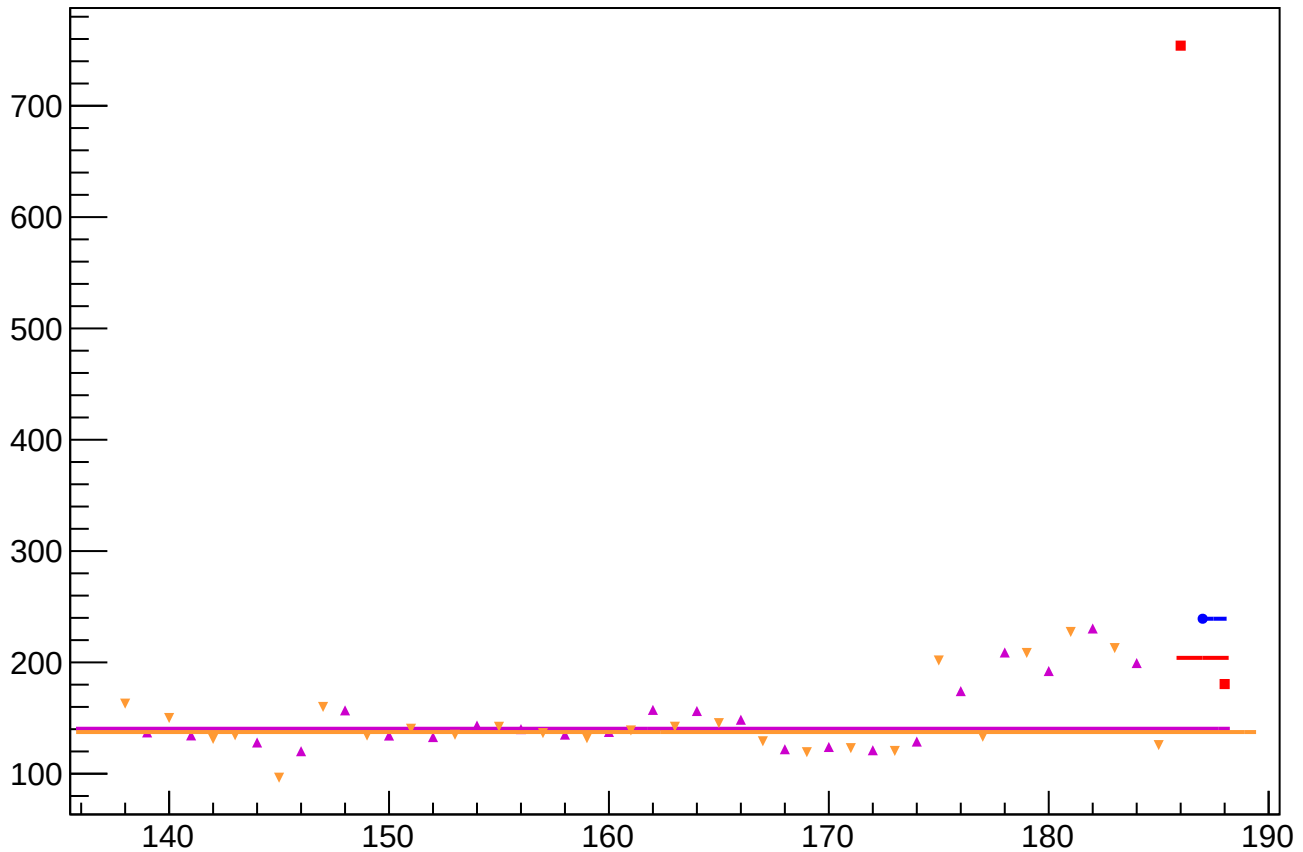
dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 480.735 $\pm$ 624.228 χ^2 /NDF: 0.0/0
 Left Out: 243.890 $\pm$ 32.810 χ^2 /NDF:24.2/24
 Right Out: -409.636 $\pm$ 252.075 χ^2 /NDF: 0.0/1
 Left In: 260.732 $\pm$ 34.112 χ^2 /NDF:28.0/22

Left: 251.983 $\pm$ 23.647 χ^2 /NDF: 52.3/47
 Right: -284.801 $\pm$ 233.737 χ^2 /NDF: 1.8/2
 In: 261.387 $\pm$ 34.061 χ^2 /NDF:28.1/23
 Out: 233.002 $\pm$ 32.535 χ^2 /NDF:30.9/26
 All: 246.545 $\pm$ 23.527 χ^2 /NDF: 59.3/50

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 239.223 $\pm$ 0.441 χ^2 /NDF: 0.0/0

Left Out: 137.429 $\pm$ 0.023 χ^2 /NDF:1215880.3/24

Right Out: 204.080 $\pm$ 0.178 χ^2 /NDF: 407320.1/1

Left In: 140.398 $\pm$ 0.024 χ^2 /NDF:862043.6/22

Left: 138.856 $\pm$ 0.017 χ^2 /NDF: 2085791.4/47

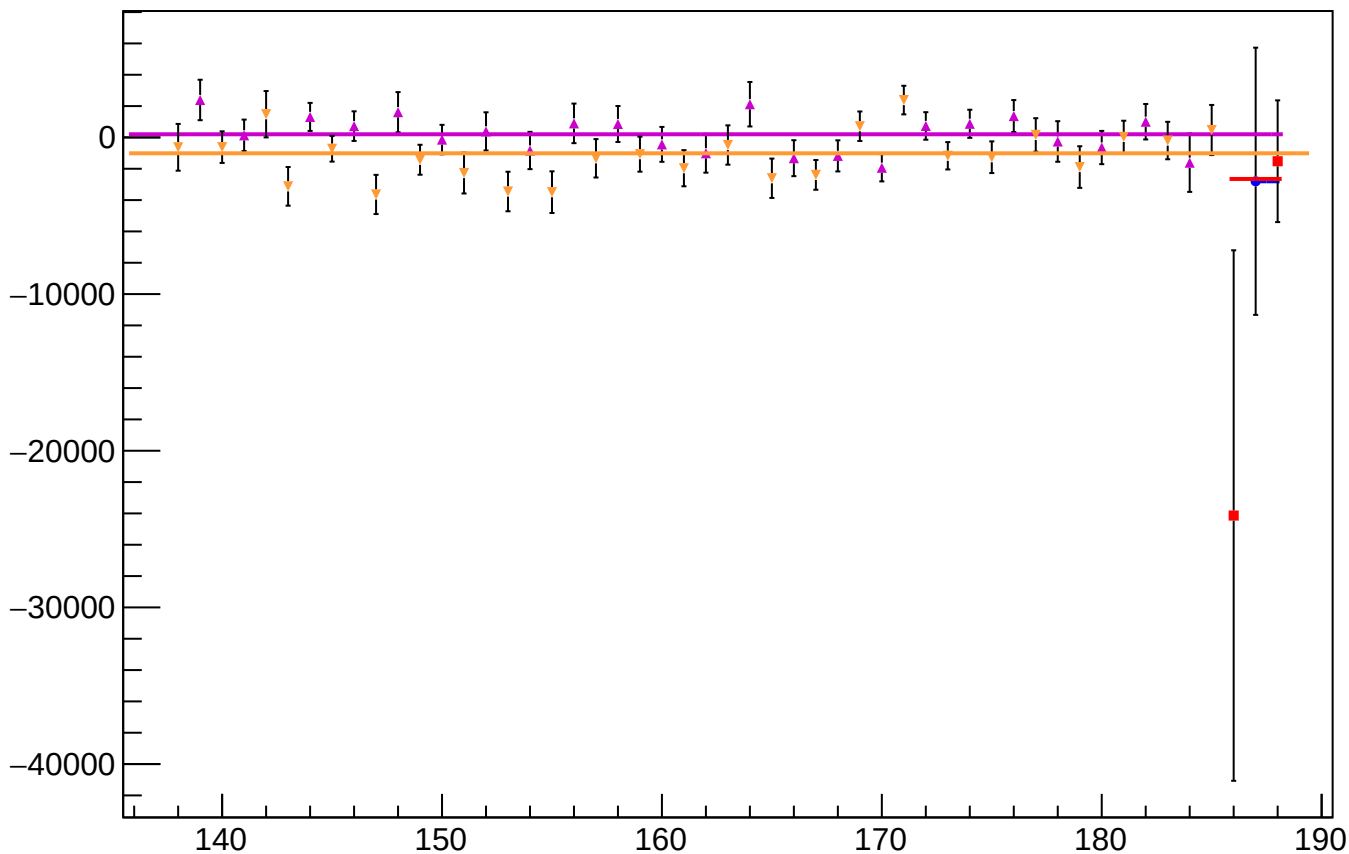
Right: 209.007 $\pm$ 0.165 χ^2 /NDF: 412770.4/2

In: 140.692 $\pm$ 0.024 χ^2 /NDF:912022.2/23

Out: 138.540 $\pm$ 0.023 χ^2 /NDF:1760694.0/26

All: 139.567 $\pm$ 0.017 χ^2 /NDF: 2676892.3/50

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -2799.547 $\pm$ 8528.479 χ^2 /NDF: 0.0/0

Left Out: -1013.520 $\pm$ 222.295 χ^2 /NDF:44.8/24

Right Out: -2651.292 $\pm$ 3787.003 χ^2 /NDF: 1.7/1

Left In: 200.935 $\pm$ 226.129 χ^2 /NDF:24.7/22

Left: -416.675 $\pm$ 158.525 χ^2 /NDF: 84.2/47

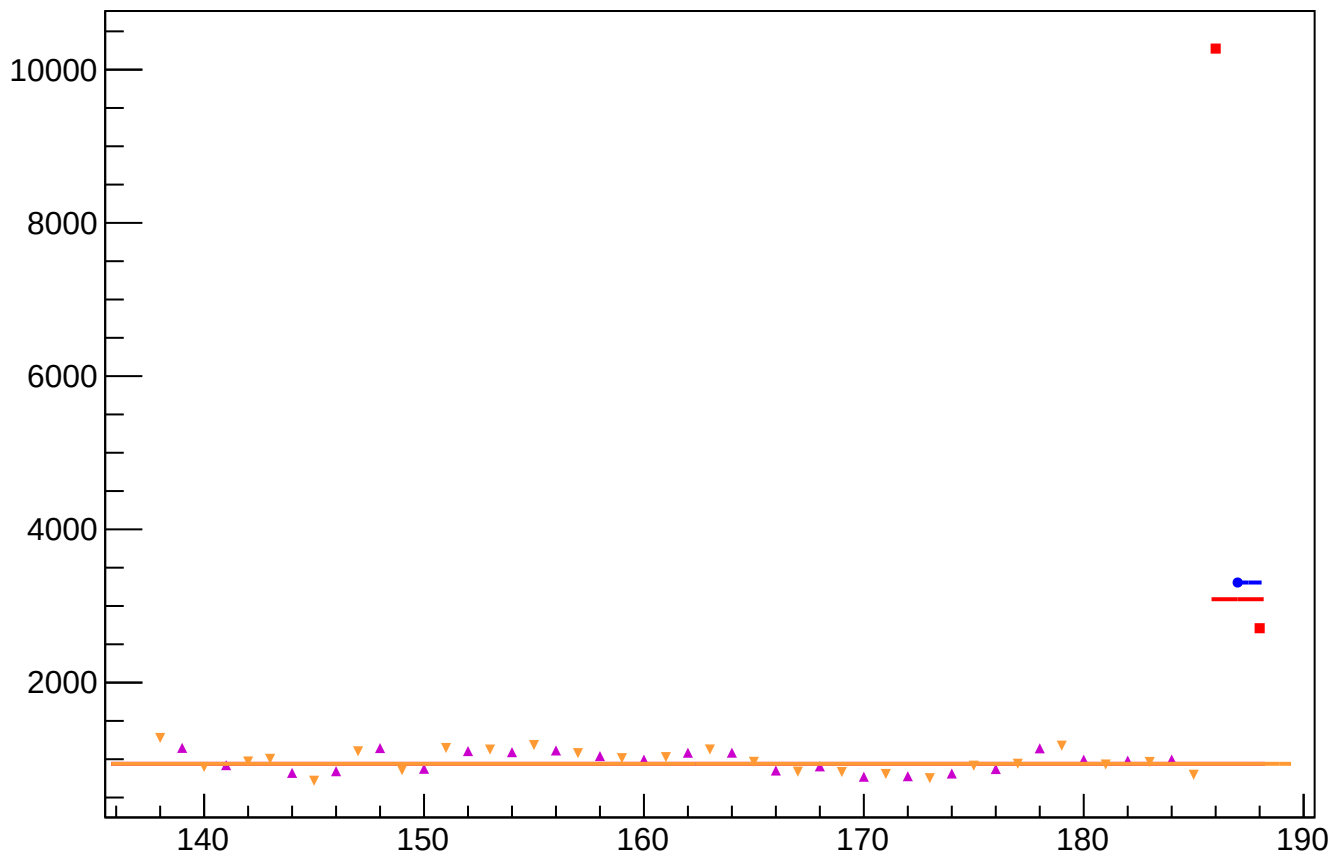
Right: -2675.709 $\pm$ 3461.124 χ^2 /NDF: 1.7/2

In: 198.827 $\pm$ 226.050 χ^2 /NDF:24.9/23

Out: -1019.143 $\pm$ 221.913 χ^2 /NDF:46.7/26

All: -421.404 $\pm$ 158.359 χ^2 /NDF: 86.4/50

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 3306.219+/-6.031 χ^2/NDF : 0.0/0

Left Out: 940.110+/-0.157 χ^2/NDF : 824426.6/24

Right Out: 3088.213+/-2.678 χ^2/NDF : 379304.9/1

Left In: 939.323+/-0.160 χ^2/NDF : 609694.0/22

Left: 939.723+/-0.112 χ^2/NDF : 1434132.9/47

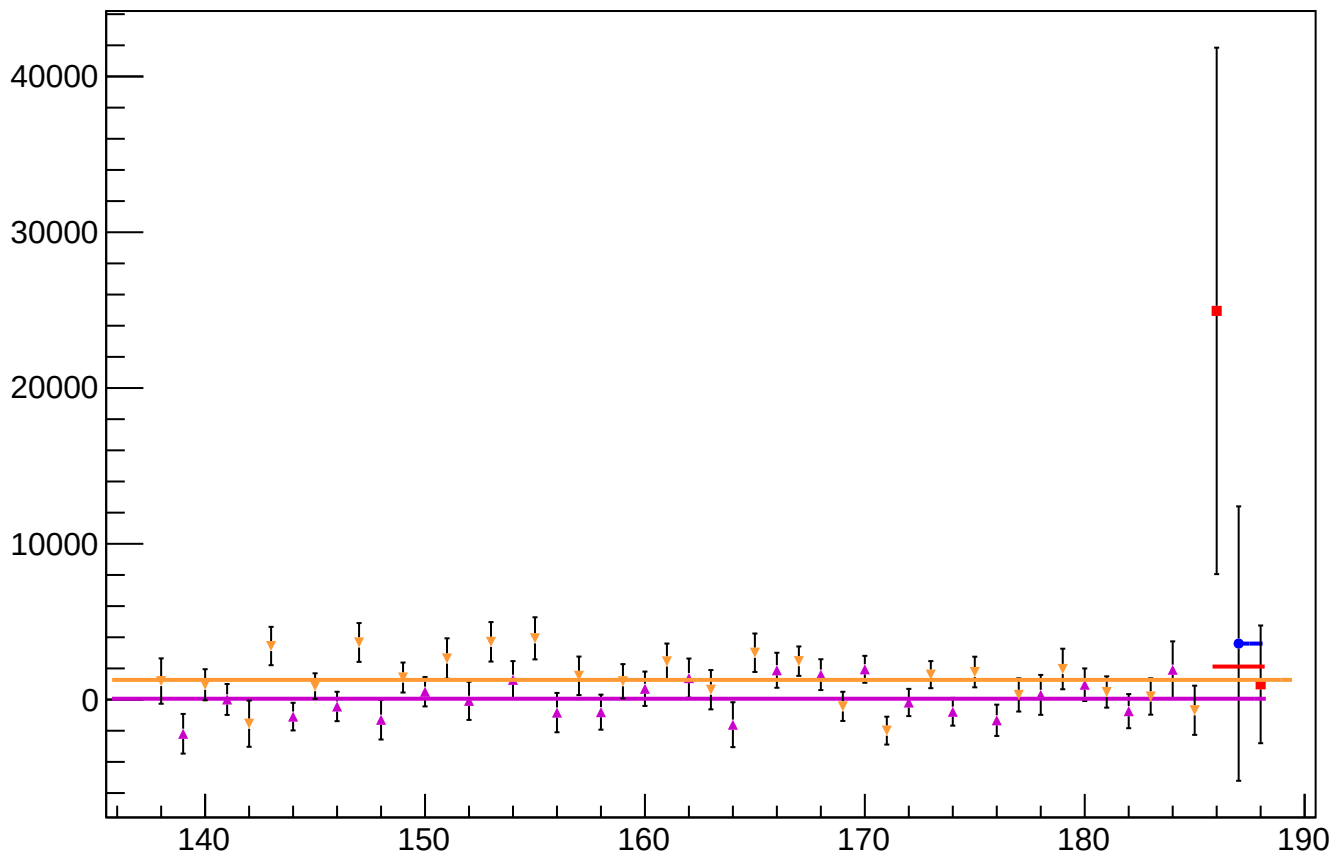
Right: 3124.118+/-2.447 χ^2/NDF : 380396.5/2

In: 940.985+/-0.160 χ^2/NDF : 763629.9/23

Out: 947.486+/-0.157 χ^2/NDF : 1845022.2/26

All: 944.296+/-0.112 χ^2/NDF : 2609494.4/50

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: 2119.387+/-3687.624 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

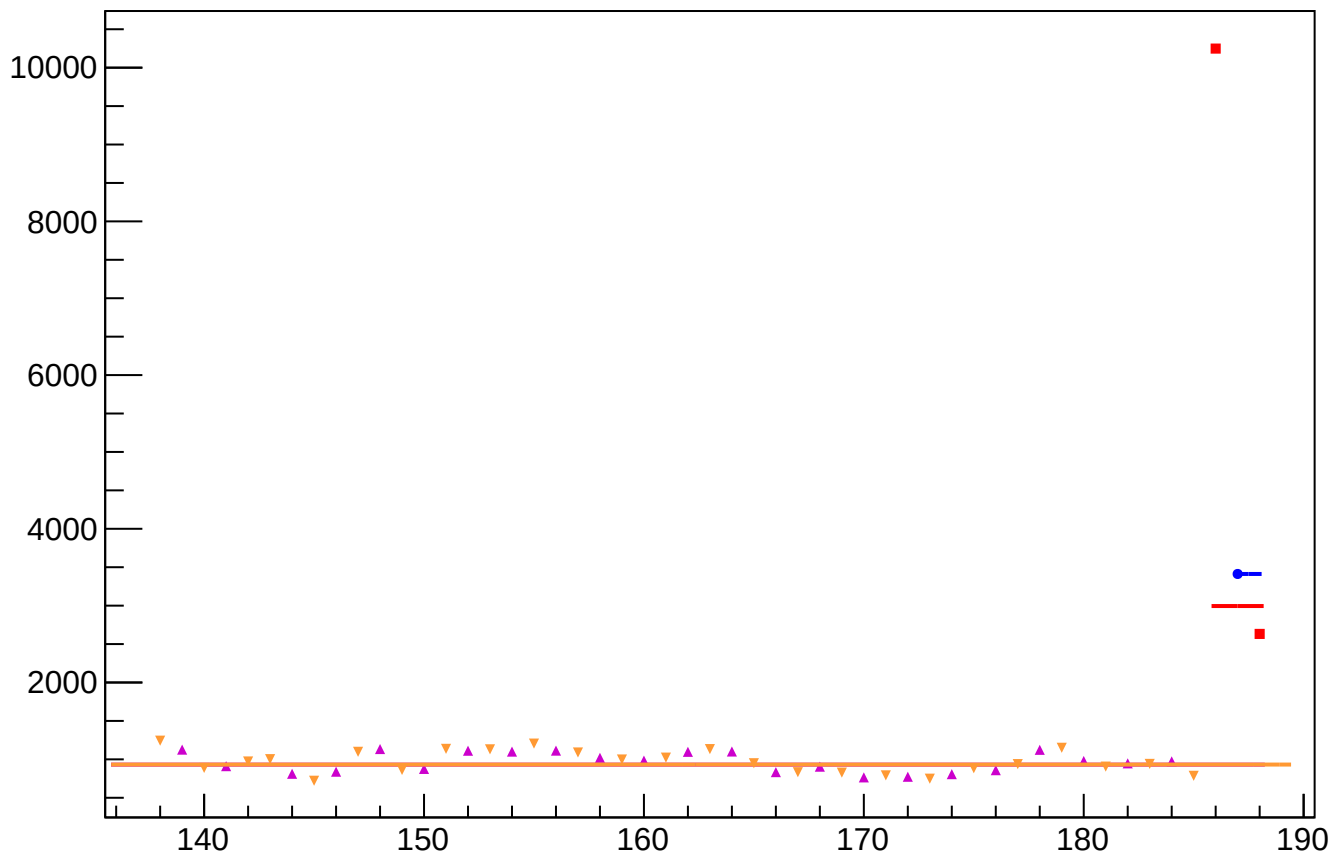
Right: 2339.422+/-3401.570 χ^2/NDF : 1.9/2

In: 56.235+/-224.298 χ^2/NDF :26.6/23

Out: 1267.987+/-220.232 χ^2/NDF :47.5/26

All: 673.194+/-157.145 χ^2/NDF : 88.9/50

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 3412.225+/-6.229 χ^2/NDF : 0.0/0

Left Out: 932.170+/-0.156 χ^2/NDF : 828733.8/24

Right Out: 2994.826+/-2.608 χ^2/NDF : 386944.9/1

Left In: 930.854+/-0.159 χ^2/NDF : 621985.5/22

Left: 931.523+/-0.111 χ^2/NDF : 1450754.2/47

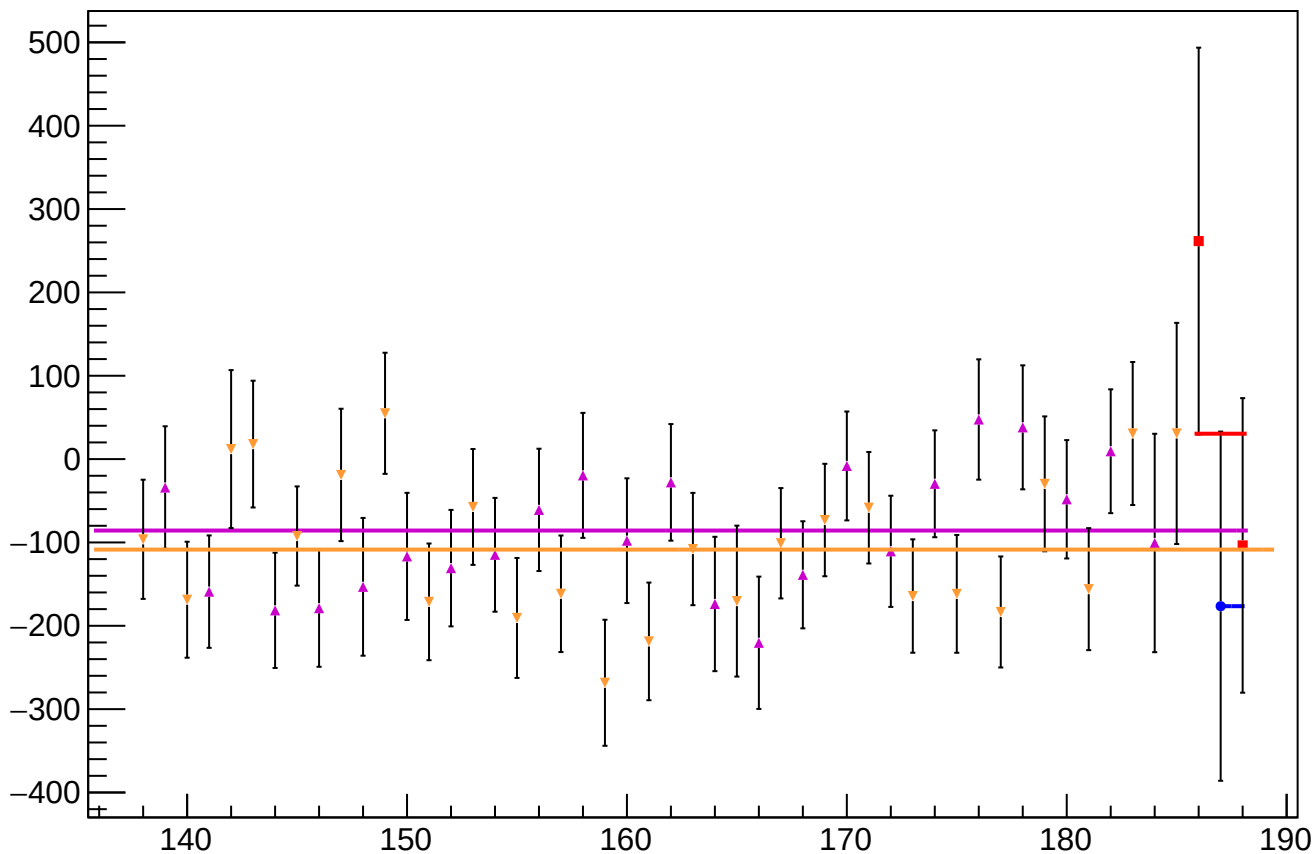
Right: 3057.071+/-2.405 χ^2/NDF : 390766.0/2

In: 932.463+/-0.159 χ^2/NDF : 780593.5/23

Out: 939.527+/-0.156 χ^2/NDF : 1839181.7/26

All: 936.060+/-0.111 χ^2/NDF : 2620785.2/50

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: -176.474 $\pm$ 209.494 χ^2 /NDF: 0.0/0

Left Out: -108.572 $\pm$ 14.605 χ^2 /NDF:30.6/24

Right Out: 30.460 $\pm$ 140.581 χ^2 /NDF: 1.6/1

Left In: -85.703 $\pm$ 15.129 χ^2 /NDF:23.6/22

Left: -97.541 $\pm$ 10.508 χ^2 /NDF: 55.4/47

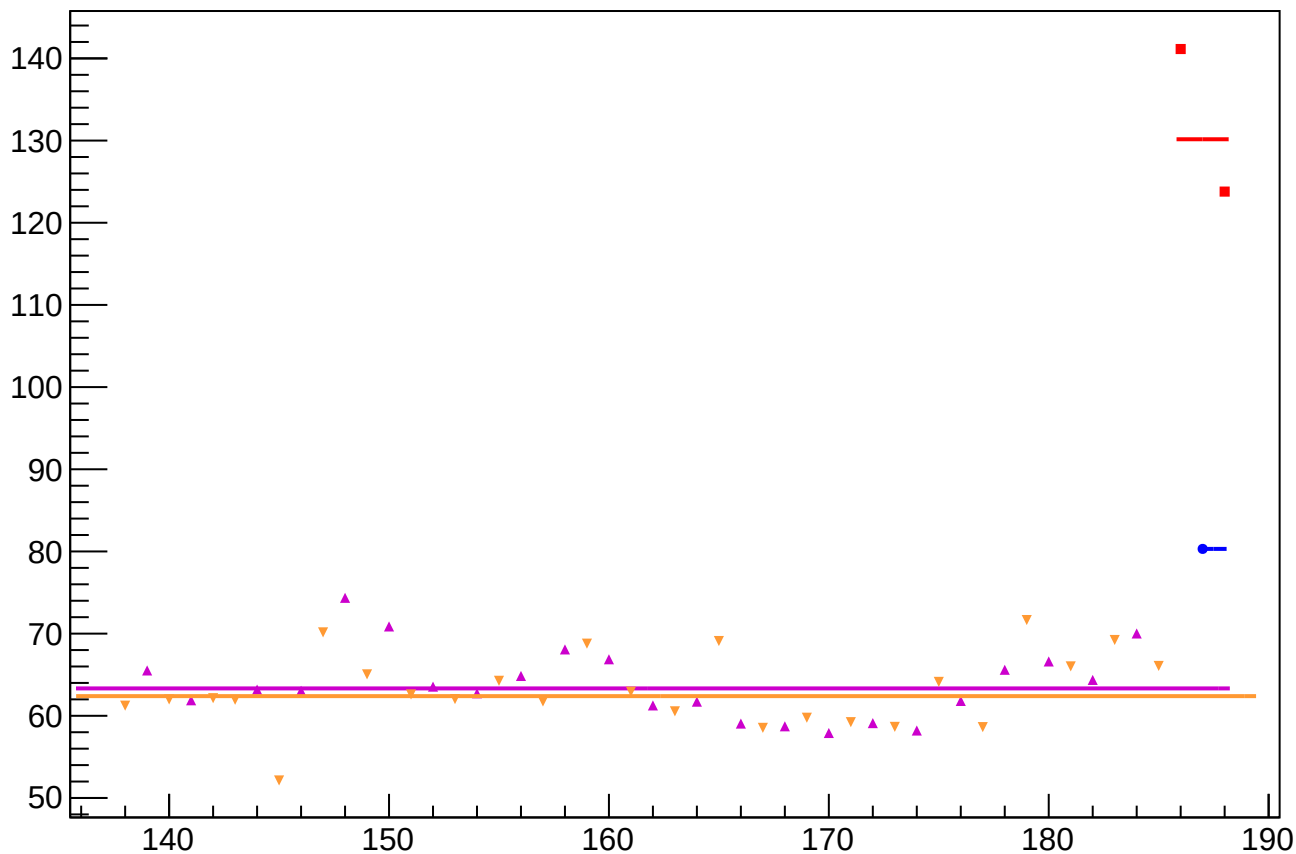
Right: -33.791 $\pm$ 116.734 χ^2 /NDF: 2.2/2

In: -86.173 $\pm$ 15.090 χ^2 /NDF:23.7/23

Out: -107.087 $\pm$ 14.526 χ^2 /NDF:33.2/26

All: -97.028 $\pm$ 10.465 χ^2 /NDF: 57.9/50

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 80.310 $\pm$ 0.148 χ^2 /NDF: 0.0/0

Left Out: 62.393 $\pm$ 0.010 χ^2 /NDF:183597.0/24

Right Out: 130.160 $\pm$ 0.099 χ^2 /NDF: 7077.6/1

Left In: 63.333 $\pm$ 0.011 χ^2 /NDF:137299.8/22

Left: 62.846 $\pm$ 0.007 χ^2 /NDF: 324890.5/47

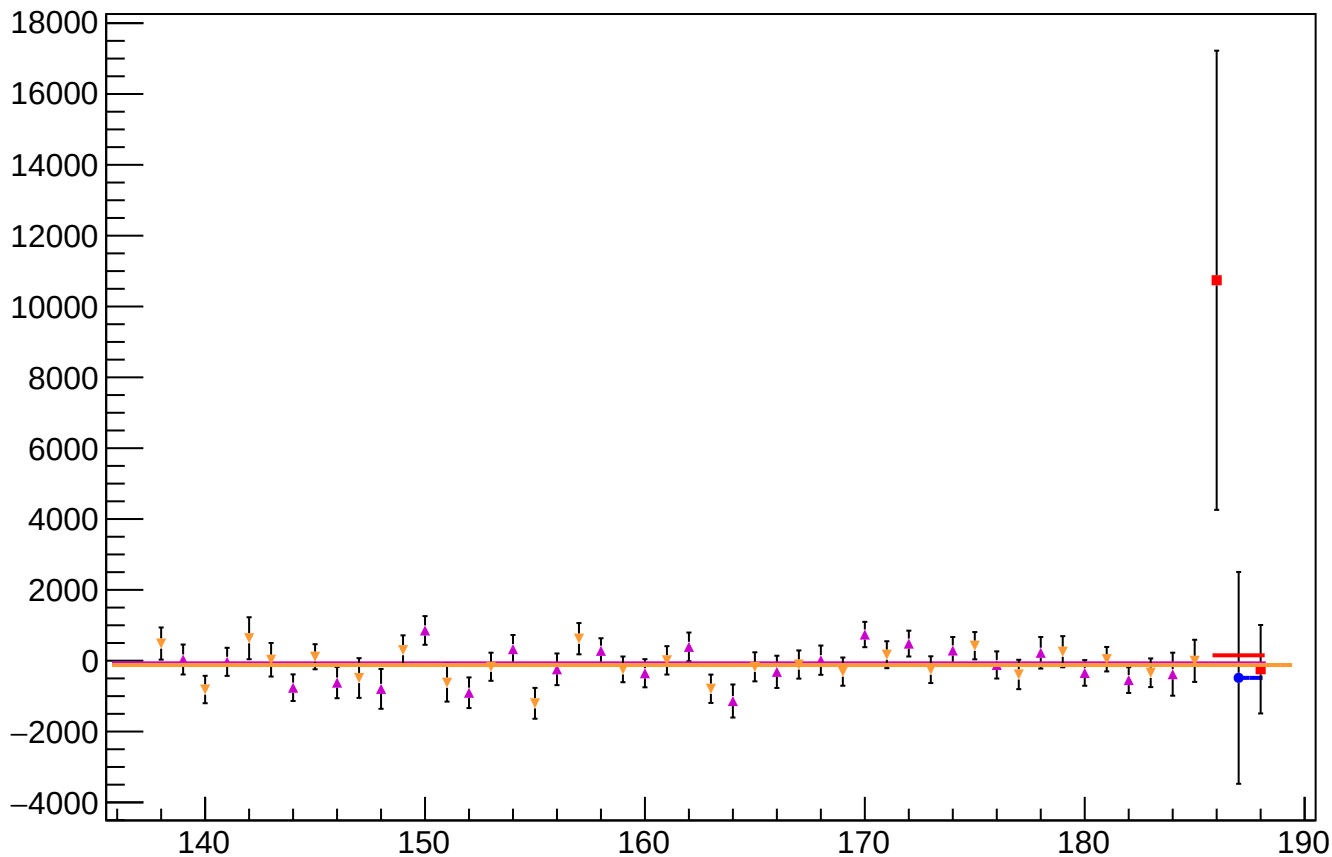
Right: 114.682 $\pm$ 0.083 χ^2 /NDF: 85159.1/2

In: 63.421 $\pm$ 0.011 χ^2 /NDF:150367.1/23

Out: 63.116 $\pm$ 0.010 χ^2 /NDF:650456.3/26

All: 63.263 $\pm$ 0.007 χ^2 /NDF: 801245.2/50

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -484.485+/-2990.713 χ^2/NDF : 0.0/0

Left Out: -120.966+/-83.470 χ^2/NDF : 26.1/24

Right Out: 152.099+/-1225.844 χ^2/NDF : 2.8/1

Left In: -74.271+/-85.207 χ^2/NDF : 36.4/22

Left: -98.099+/-59.627 χ^2/NDF : 62.7/47

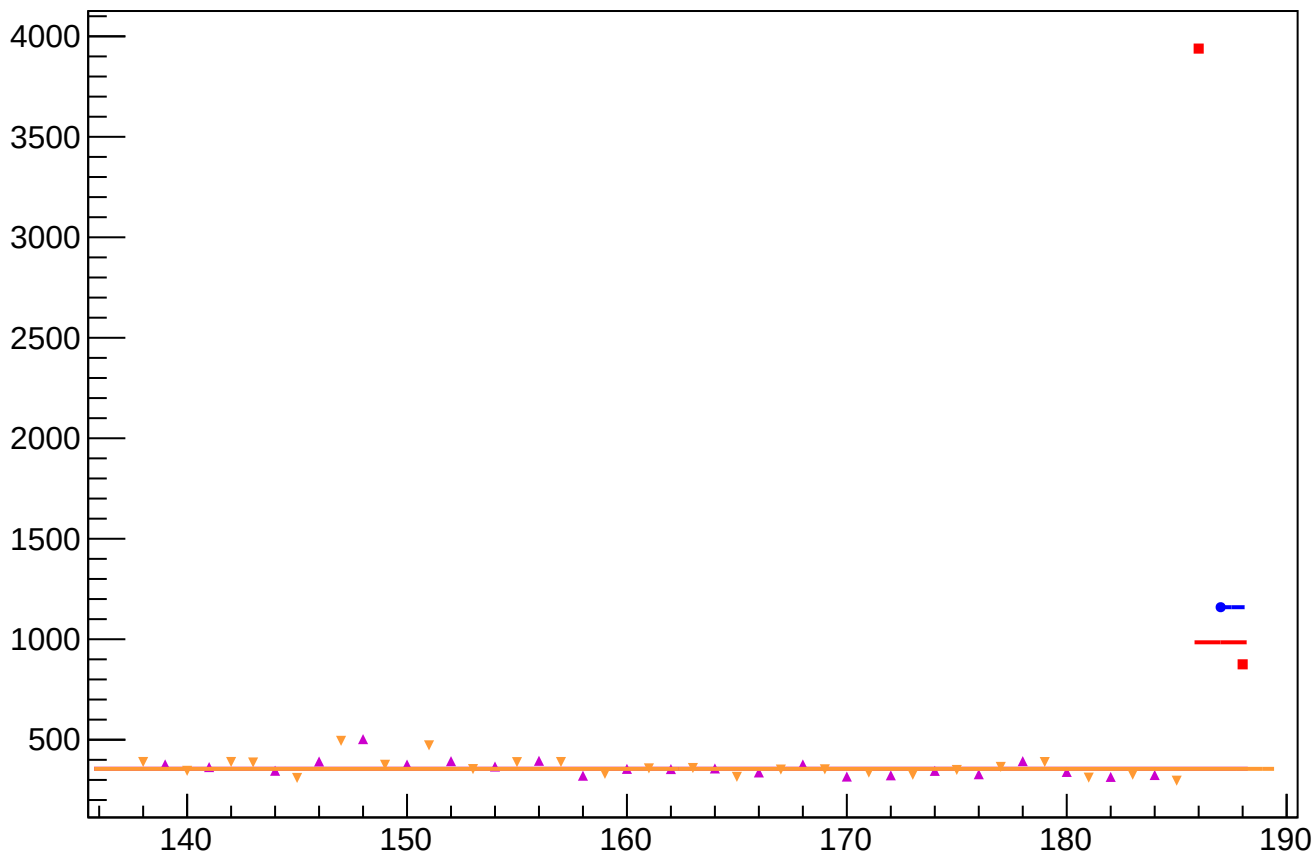
Right: 60.533+/-1134.261 χ^2/NDF : 2.8/2

In: -74.604+/-85.173 χ^2/NDF : 36.4/23

Out: -119.706+/-83.277 χ^2/NDF : 28.9/26

All: -97.662+/-59.545 χ^2/NDF : 65.5/50

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 1159.429+/-2.115 χ^2/NDF : 0.0/0

Left Out: 355.117+/-0.059 χ^2/NDF : 430114.3/24

Right Out: 984.775+/-0.867 χ^2/NDF : 430845.6/1

Left In: 355.506+/-0.060 χ^2/NDF : 323168.9/22

Left: 355.308+/-0.042 χ^2/NDF : 753304.4/47

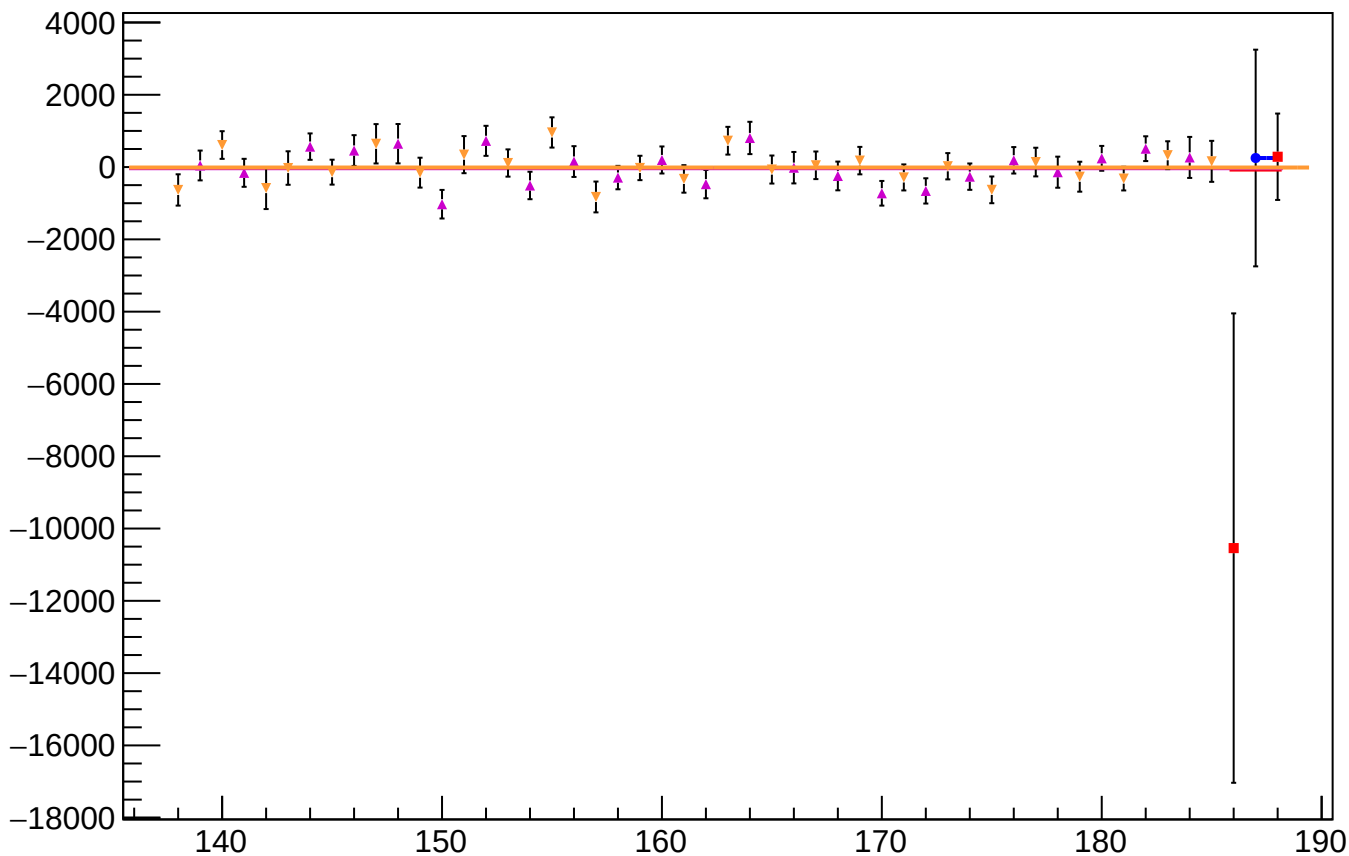
Right: 1009.897+/-0.802 χ^2/NDF : 436685.2/2

In: 356.158+/-0.060 χ^2/NDF : 467565.2/23

Out: 358.023+/-0.059 χ^2/NDF : 1386202.9/26

All: 357.112+/-0.042 χ^2/NDF : 1854258.3/50

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: -69.061 $\pm$ 1175.108 χ^2 /NDF: 2.7/1

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

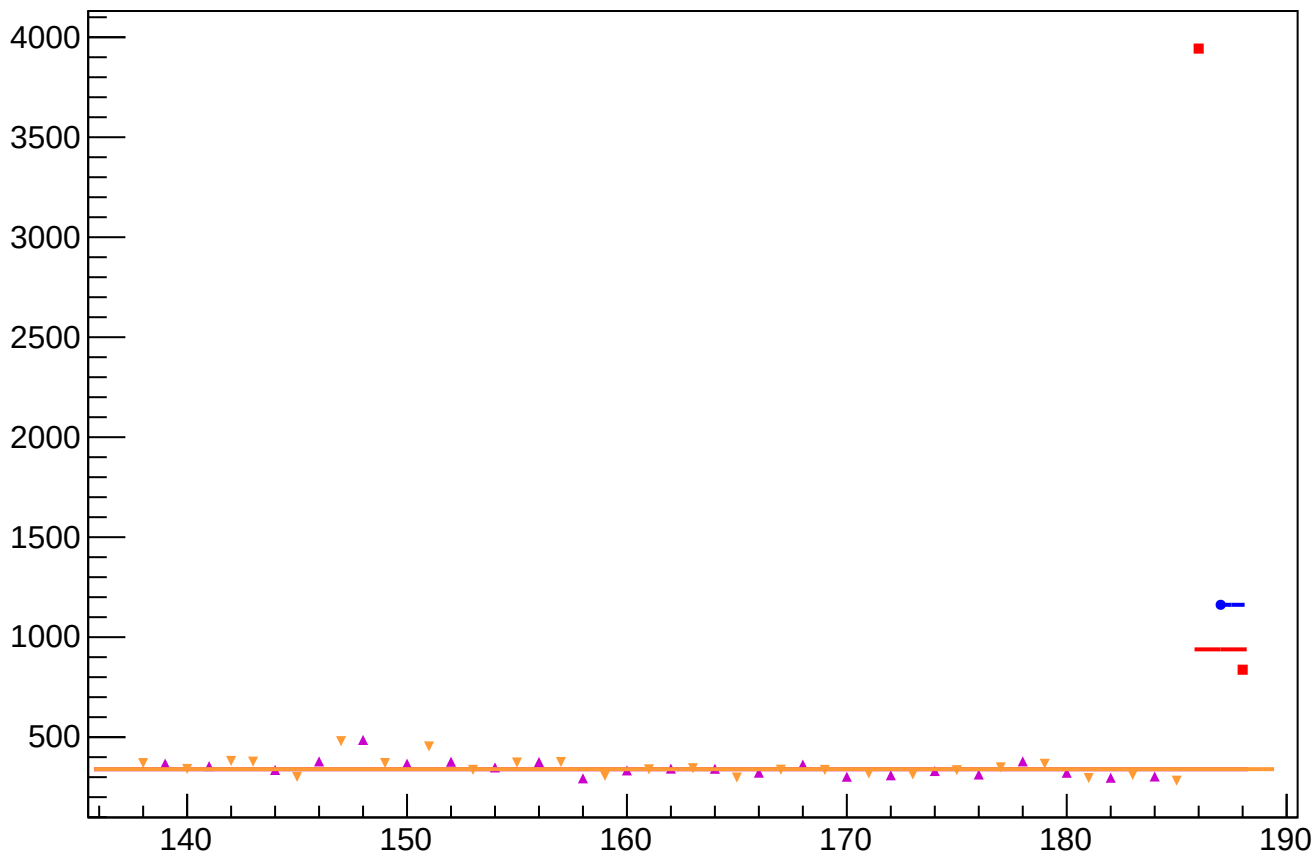
Right: -26.500 $\pm$ 1094.036 χ^2 /NDF: 2.7/2

In: -31.323 $\pm$ 81.446 χ^2 /NDF:34.8/23

Out: -12.805 $\pm$ 79.799 χ^2 /NDF:30.0/26

All: -21.875 $\pm$ 57.000 χ^2 /NDF: 64.9/50

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 1161.863+/-2.119 χ^2/NDF : 0.0/0

Left Out: 340.018+/-0.057 χ^2/NDF : 465345.1/24

Right Out: 938.987+/-0.831 χ^2/NDF : 442642.3/1

Left In: 339.571+/-0.058 χ^2/NDF : 377816.0/22

Left: 339.799+/-0.040 χ^2/NDF : 843191.8/47

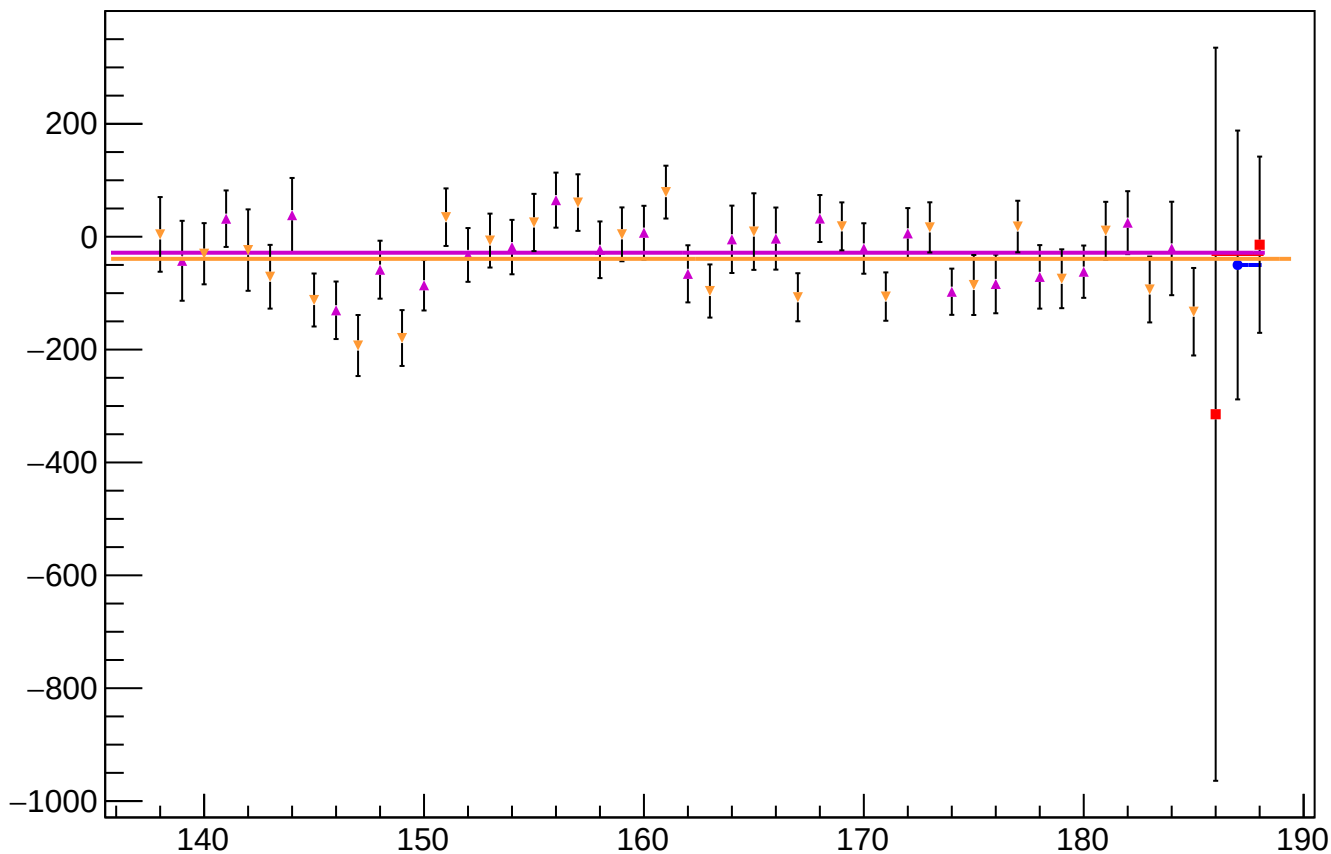
Right: 968.679+/-0.774 χ^2/NDF : 452226.9/2

In: 340.178+/-0.058 χ^2/NDF : 528225.3/23

Out: 342.780+/-0.056 χ^2/NDF : 1425208.3/26

All: 341.506+/-0.040 χ^2/NDF : 1954475.5/50

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -50.090 $\pm$ 238.176 χ^2 /NDF: 0.0/0

Left Out: -39.211 $\pm$ 10.179 χ^2 /NDF:51.1/24

Right Out: -30.588 $\pm$ 151.816 χ^2 /NDF: 0.2/1

Left In: -28.364 $\pm$ 10.532 χ^2 /NDF:22.4/22

Left: -33.972 $\pm$ 7.319 χ^2 /NDF: 74.1/47

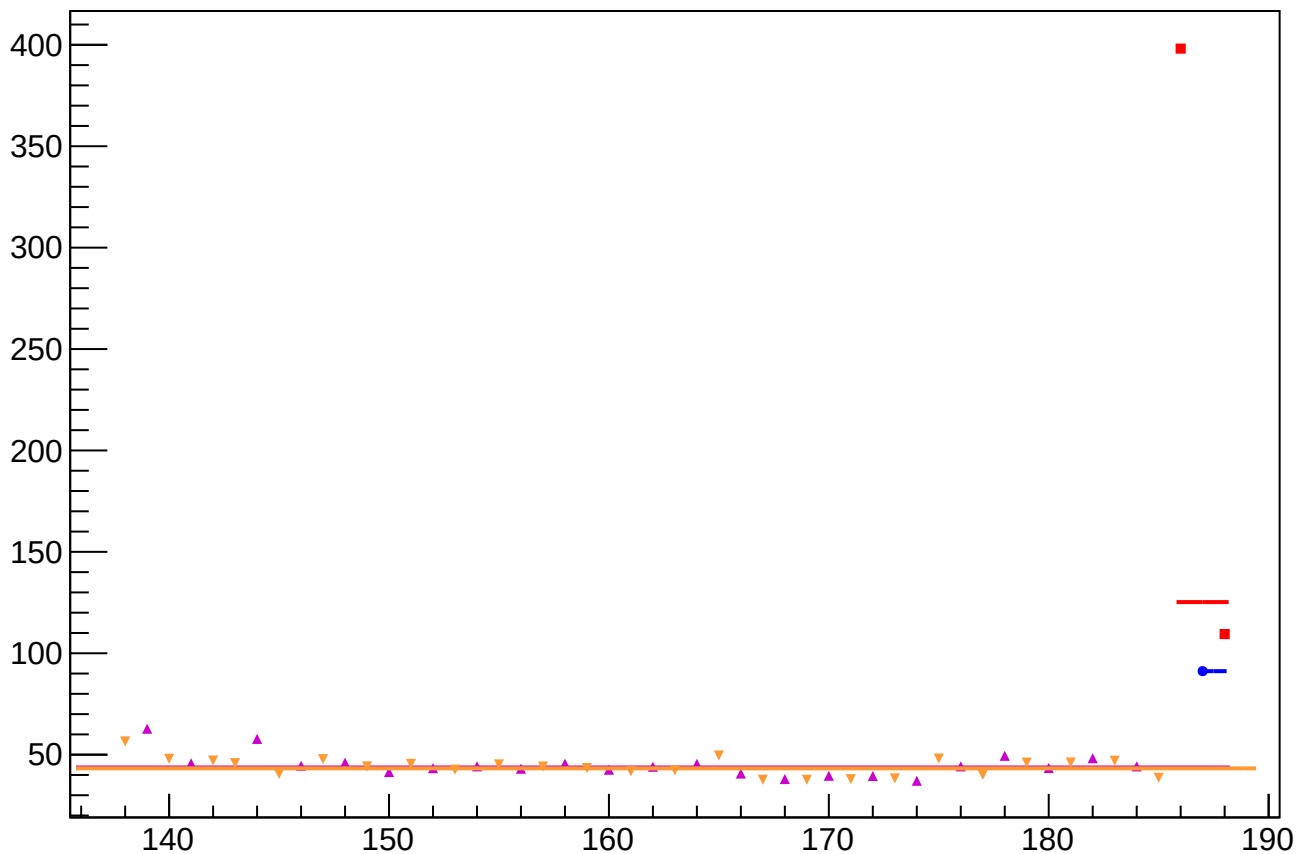
Right: -36.223 $\pm$ 128.021 χ^2 /NDF: 0.2/2

In: -28.406 $\pm$ 10.522 χ^2 /NDF:22.5/23

Out: -39.173 $\pm$ 10.157 χ^2 /NDF:51.3/26

All: -33.980 $\pm$ 7.307 χ^2 /NDF: 74.3/50

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 91.182 $\pm$ 0.168 χ^2 /NDF: 0.0/0

Left Out: 43.243 $\pm$ 0.007 χ^2 /NDF:335422.8/24

Right Out: 125.239 $\pm$ 0.107 χ^2 /NDF: 373453.9/1

Left In: 43.679 $\pm$ 0.007 χ^2 /NDF:420266.8/22

Left: 43.453 $\pm$ 0.005 χ^2 /NDF: 757464.4/47

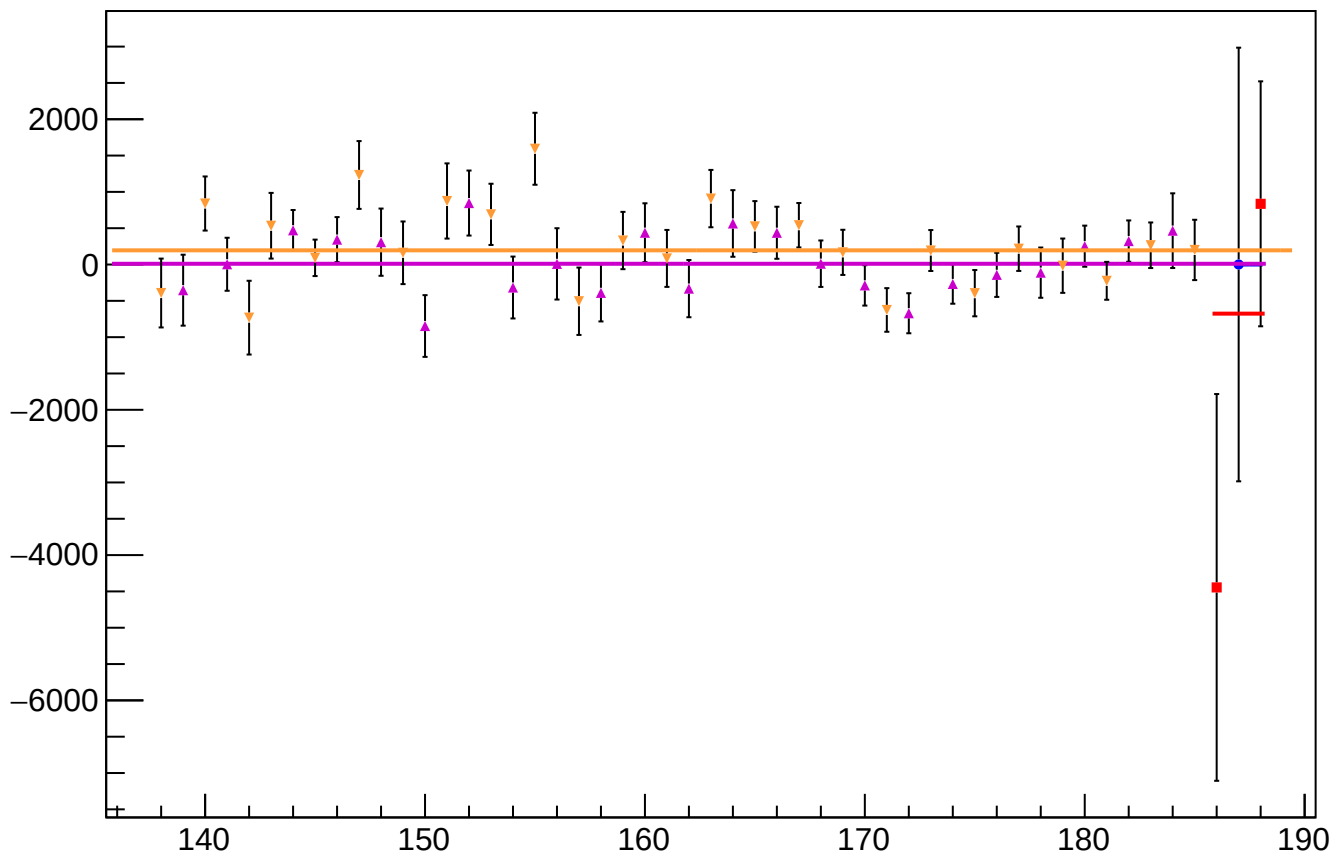
Right: 115.400 $\pm$ 0.091 χ^2 /NDF: 402533.3/2

In: 43.772 $\pm$ 0.007 χ^2 /NDF:499667.7/23

Out: 43.610 $\pm$ 0.007 χ^2 /NDF:1289691.4/26

All: 43.688 $\pm$ 0.005 χ^2 /NDF: 1789604.6/50

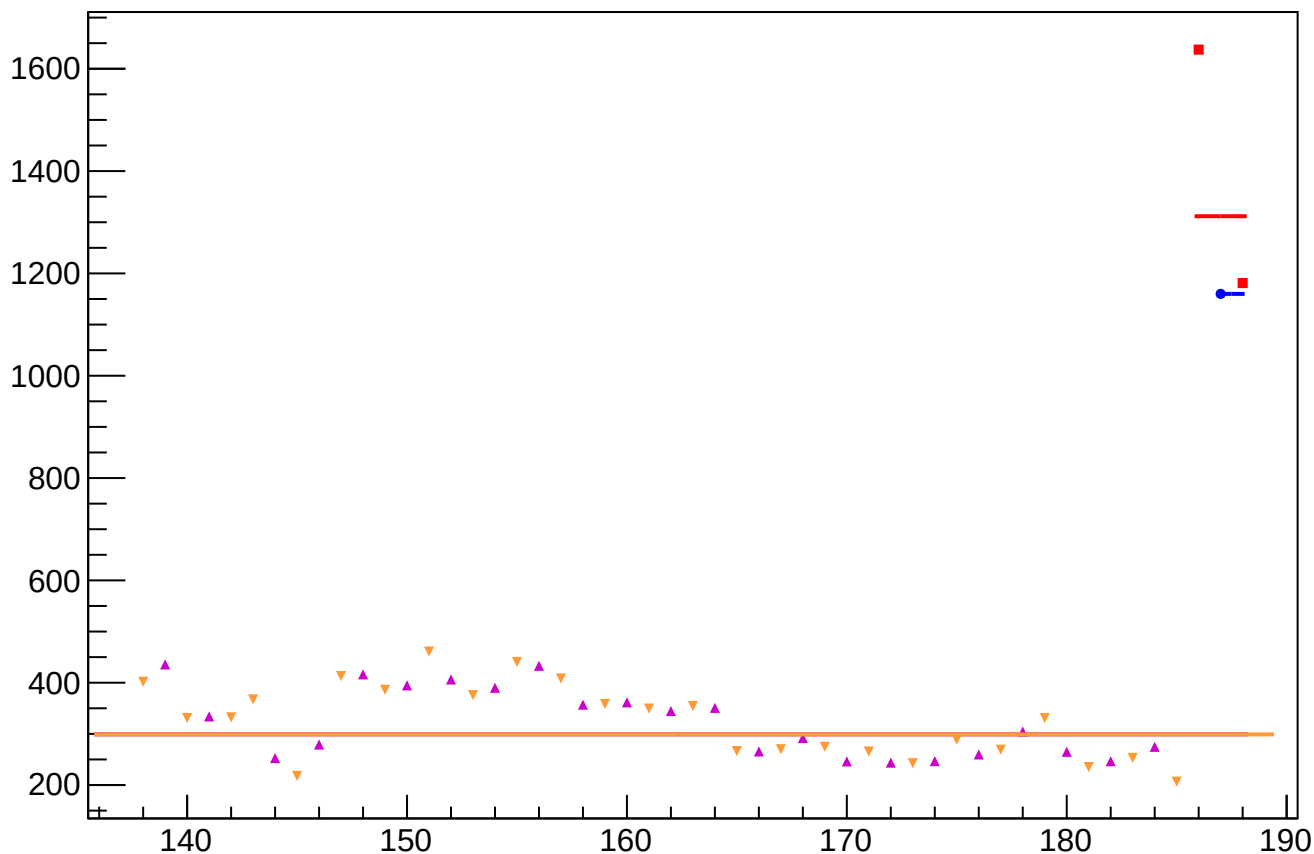
asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.325+/-2984.904 χ^2/NDF : 0.0/0
 Left Out: 195.325+/-71.593 χ^2/NDF :46.4/24
 Right Out: -676.156+/-1424.392 χ^2/NDF : 2.8/1
 Left In: 10.264+/-72.816 χ^2/NDF :30.2/22

Left: 104.361+/-51.051 χ^2/NDF : 79.9/47
 Right: -550.682+/-1285.524 χ^2/NDF : 2.9/2
 In: 10.258+/-72.794 χ^2/NDF :30.2/23
 Out: 193.129+/-71.503 χ^2/NDF :49.6/26
 All: 103.330+/-51.011 χ^2/NDF : 83.0/50

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 1159.989+/-2.111 χ^2/NDF : 0.0/0

Left Out: 298.961+/-0.051 χ^2/NDF :1678647.8/24

Right Out: 1311.750+/-1.007 χ^2/NDF : 41929.4/1

Left In: 299.127+/-0.051 χ^2/NDF :1348388.7/22

Left: 299.042+/-0.036 χ^2/NDF : 3027041.7/47

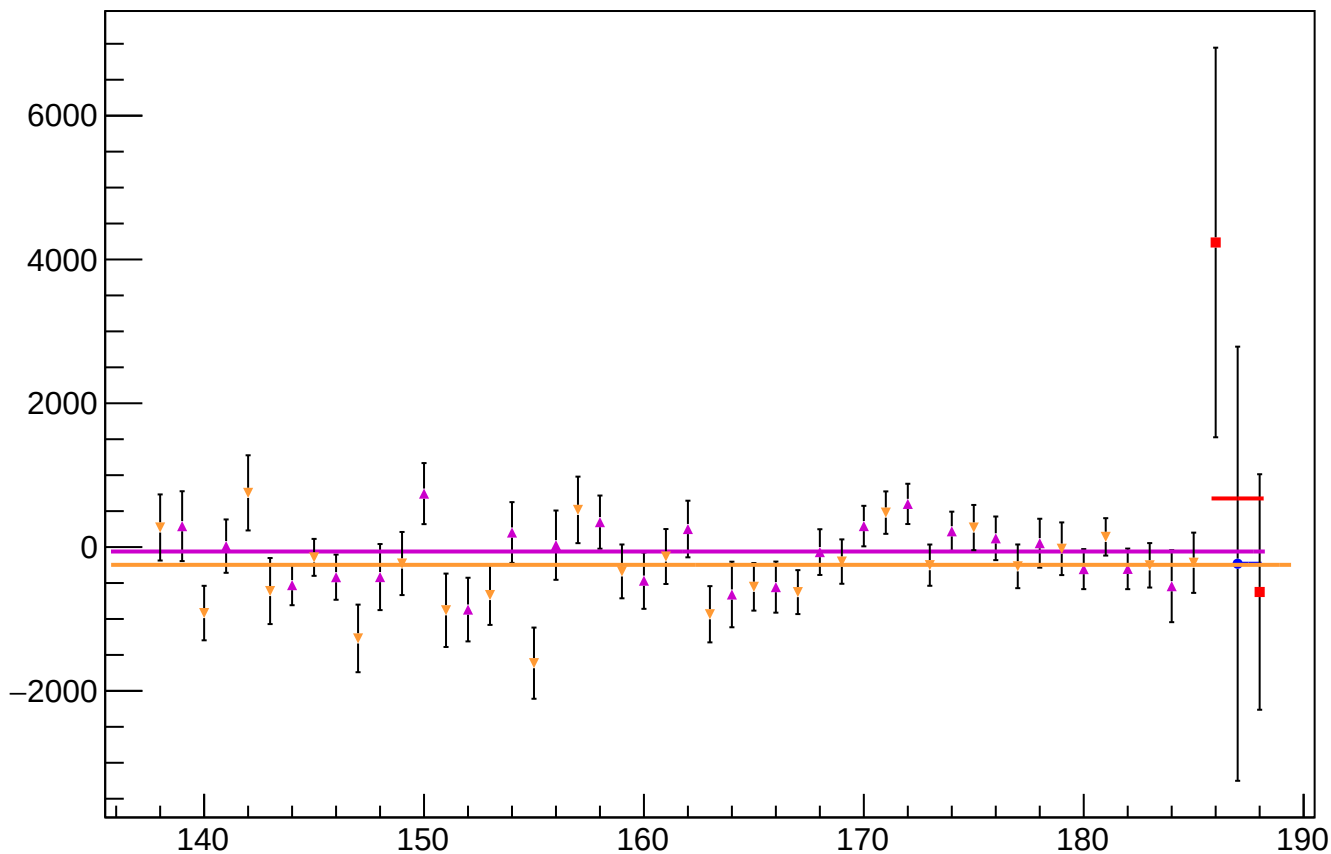
Right: 1283.602+/-0.909 χ^2/NDF : 46140.5/2

In: 299.639+/-0.051 χ^2/NDF :1514645.1/23

Out: 301.513+/-0.051 χ^2/NDF :2729163.6/26

All: 300.593+/-0.036 χ^2/NDF : 4244483.9/50

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: 676.221 $\pm$ 1401.589 χ^2 /NDF: 2.4/1

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

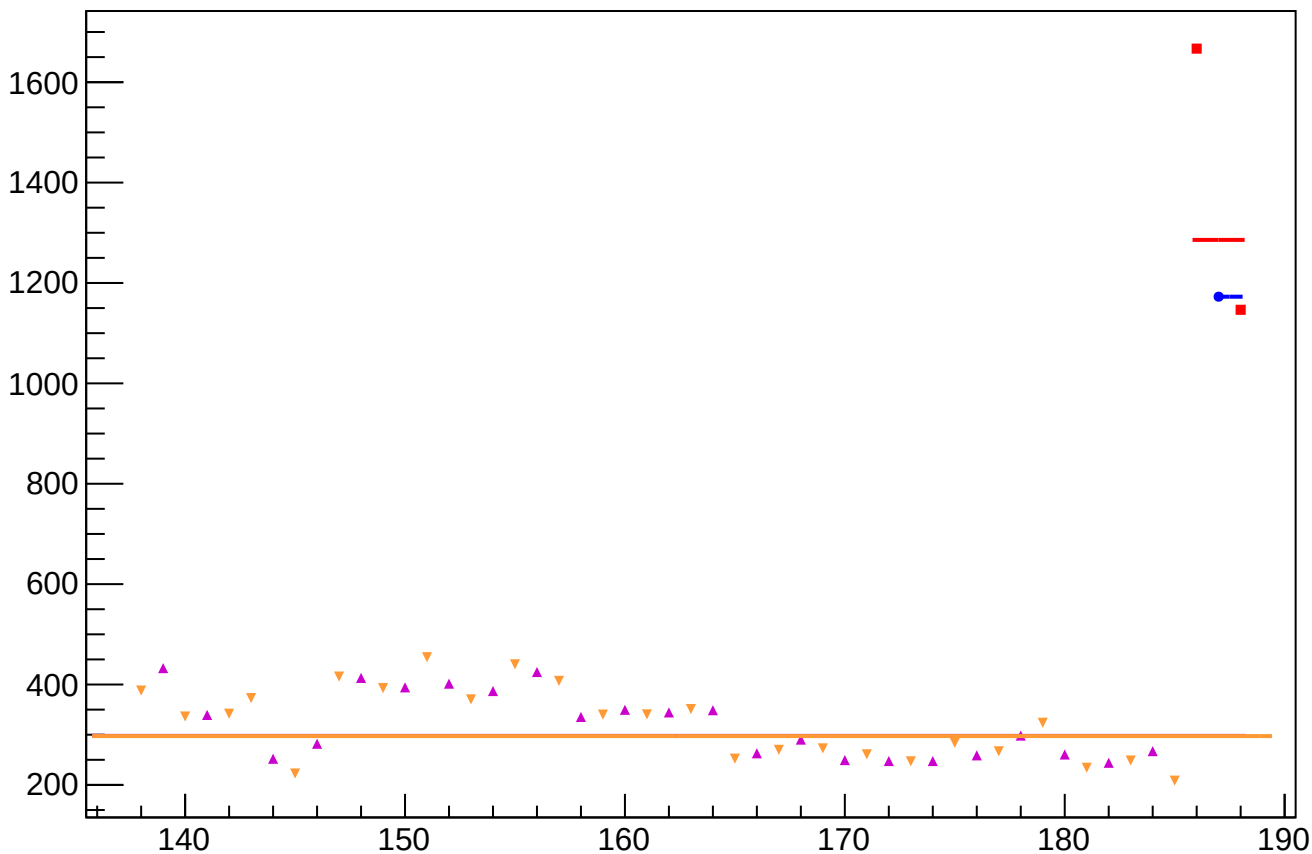
Right: 515.265 $\pm$ 1271.277 χ^2 /NDF: 2.4/2

In: -61.805 $\pm$ 72.457 χ^2 /NDF:30.3/23

Out: -244.730 $\pm$ 71.126 χ^2 /NDF:46.4/26

All: -154.962 $\pm$ 50.758 χ^2 /NDF: 79.9/50

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: 1285.821+/-0.991 χ^2/NDF : 54019.1/1

Left In: 297.696+/-0.051 χ^2/NDF :1274607.7/22

Left: 297.481+/-0.036 χ^2/NDF : 2902547.0/47

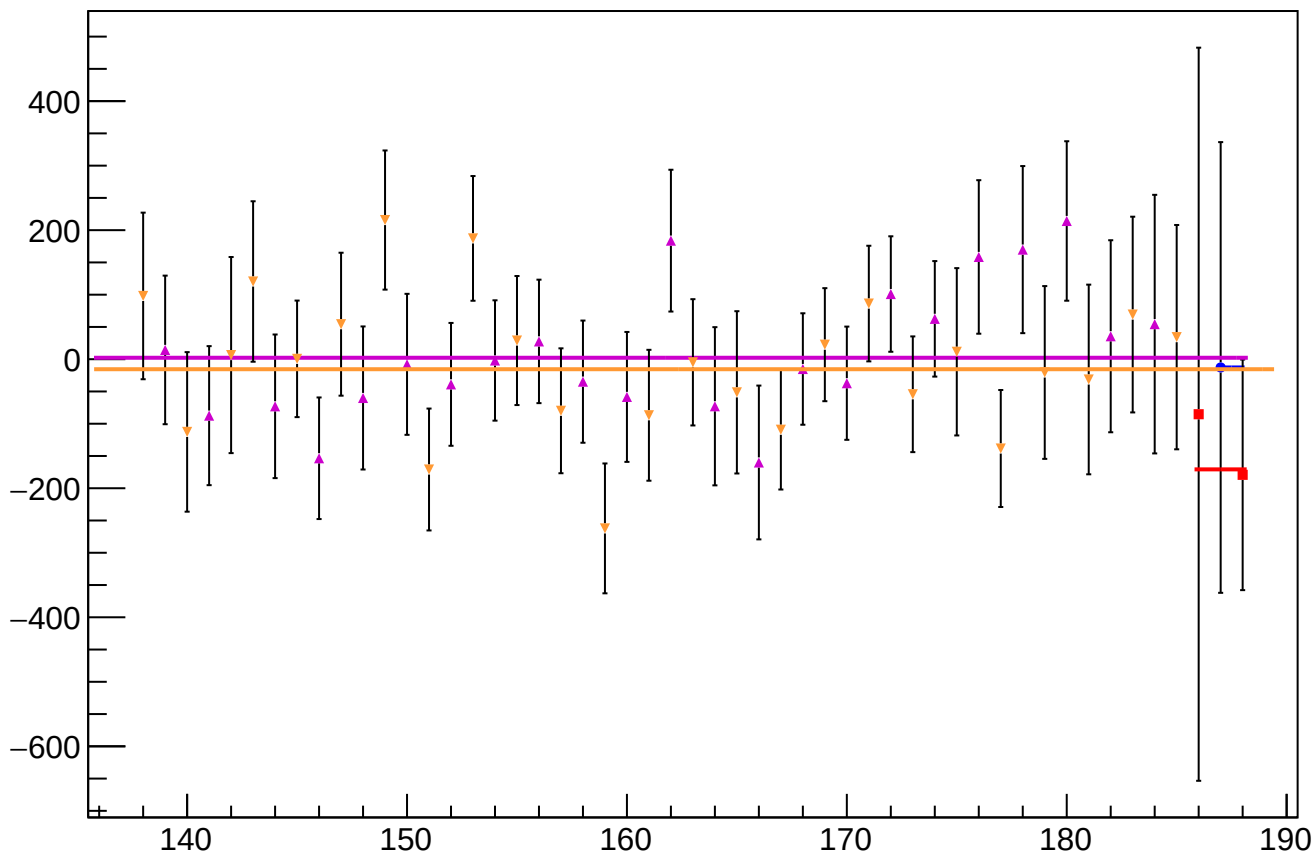
Right: 1265.759+/-0.899 χ^2/NDF : 56330.3/2

In: 298.200+/-0.051 χ^2/NDF :1442491.6/23

Out: 299.819+/-0.050 χ^2/NDF :2674273.4/26

All: 299.024+/-0.036 χ^2/NDF : 4117273.1/50

dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: -12.812 ± 349.284 χ^2/NDF : 0.0/0

Left Out: -15.520 ± 21.475 χ^2/NDF : 27.0/24

Right Out: -170.753 ± 170.476 χ^2/NDF : 0.0/1

Left In: 2.238 ± 22.012 χ^2/NDF : 18.3/22

Left: -6.860 ± 15.371 χ^2/NDF : 45.6/47

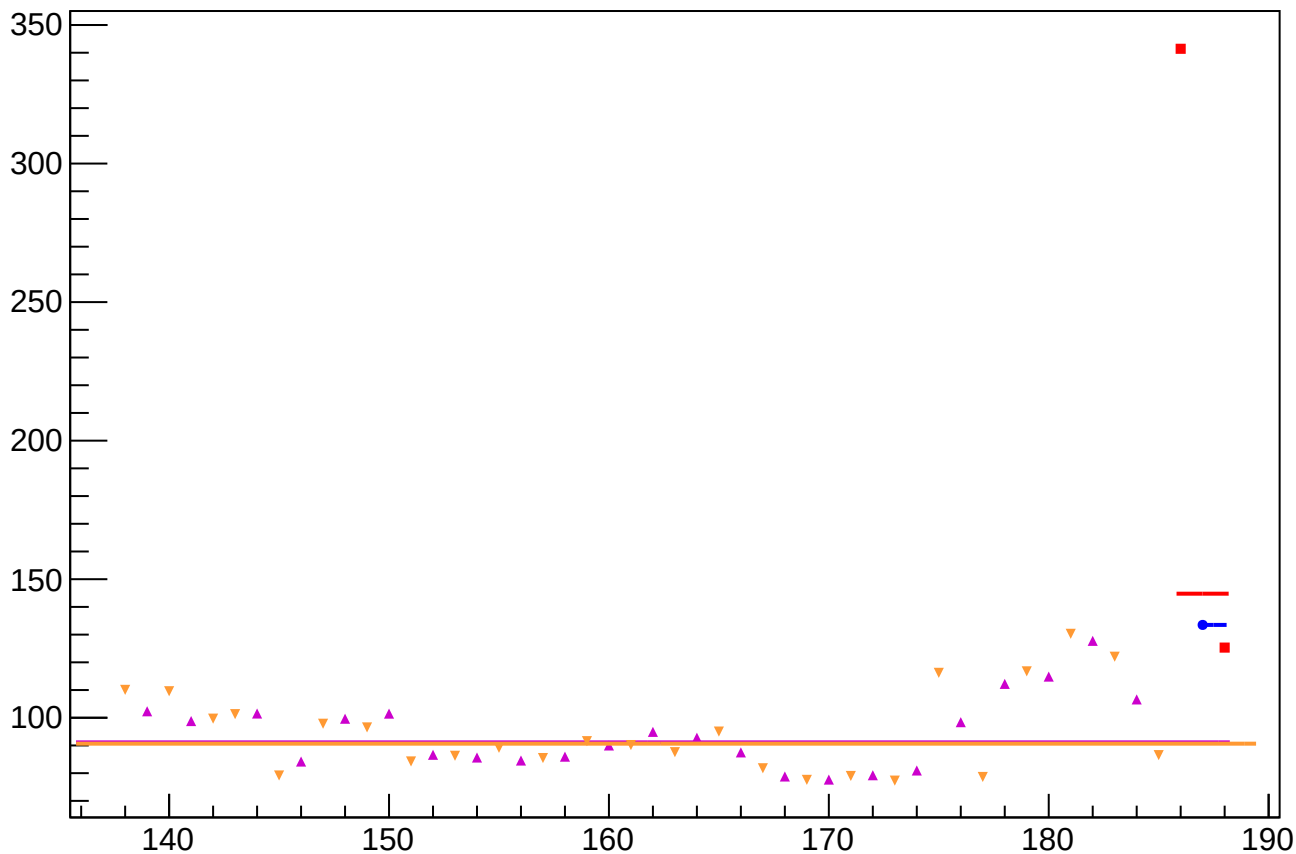
Right: -140.367 ± 153.202 χ^2/NDF : 0.2/2

In: 2.178 ± 21.968 χ^2/NDF : 18.3/23

Out: -17.945 ± 21.307 χ^2/NDF : 27.8/26

All: -8.191 ± 15.295 χ^2/NDF : 46.6/50

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 133.503 $\pm$ 0.247 χ^2 /NDF: 0.0/0

Left Out: 90.645 $\pm$ 0.015 χ^2 /NDF: 746430.1/24

Right Out: 144.772 $\pm$ 0.121 χ^2 /NDF: 263309.6/1

Left In: 91.121 $\pm$ 0.016 χ^2 /NDF: 534843.6/22

Left: 90.877 $\pm$ 0.011 χ^2 /NDF: 1281751.6/47

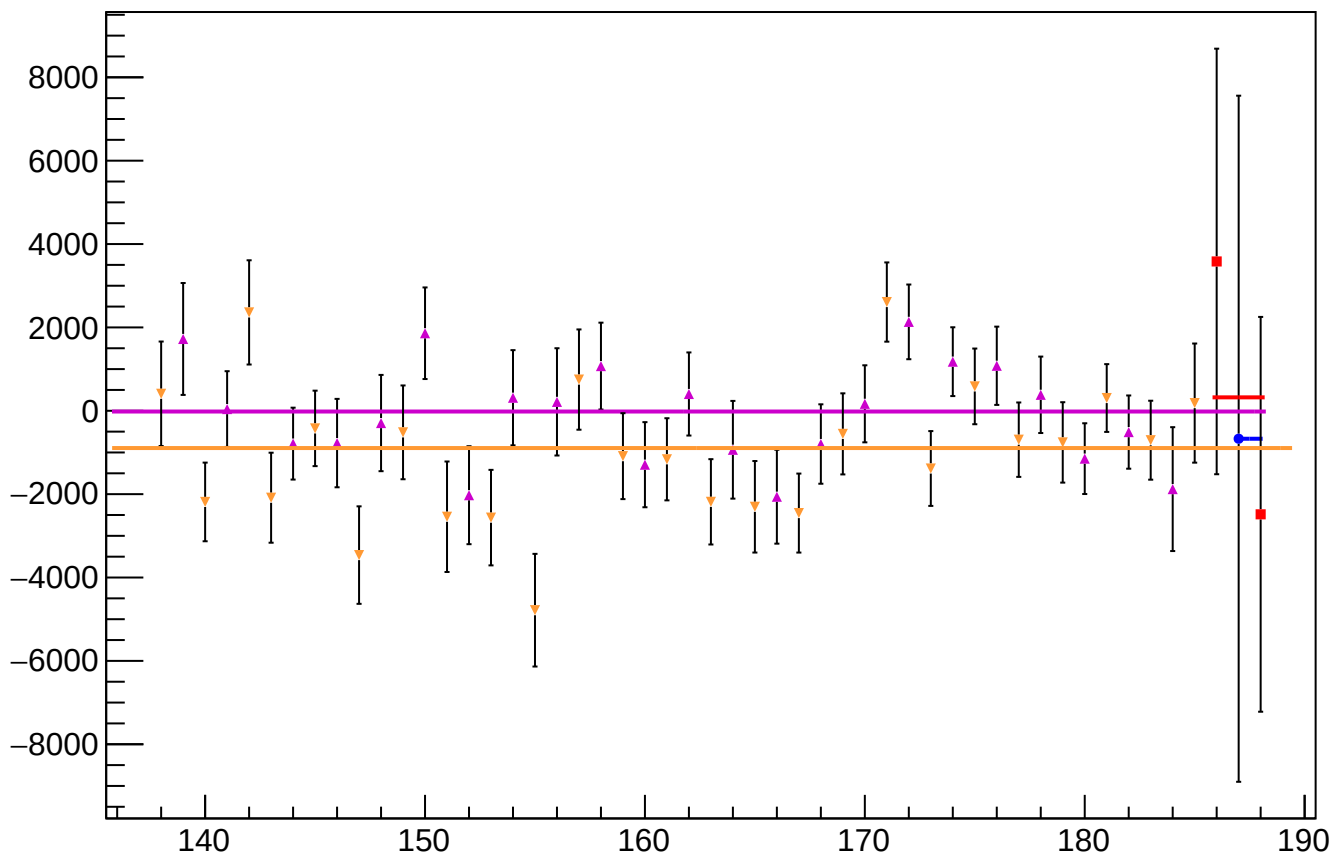
Right: 142.604 $\pm$ 0.108 χ^2 /NDF: 264991.2/2

In: 91.288 $\pm$ 0.016 χ^2 /NDF: 564173.6/23

Out: 91.491 $\pm$ 0.015 χ^2 /NDF: 1208210.8/26

All: 91.393 $\pm$ 0.011 χ^2 /NDF: 1772472.1/50

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -670.793+/-8229.878 χ^2/NDF : 0.0/0

Left Out: -893.973+/-206.256 χ^2/NDF : 55.5/24

Right Out: 322.224+/-3471.791 χ^2/NDF : 0.8/1

Left In: -17.607+/-210.691 χ^2/NDF : 29.5/22

Left: -465.111+/-147.388 χ^2/NDF : 93.9/47

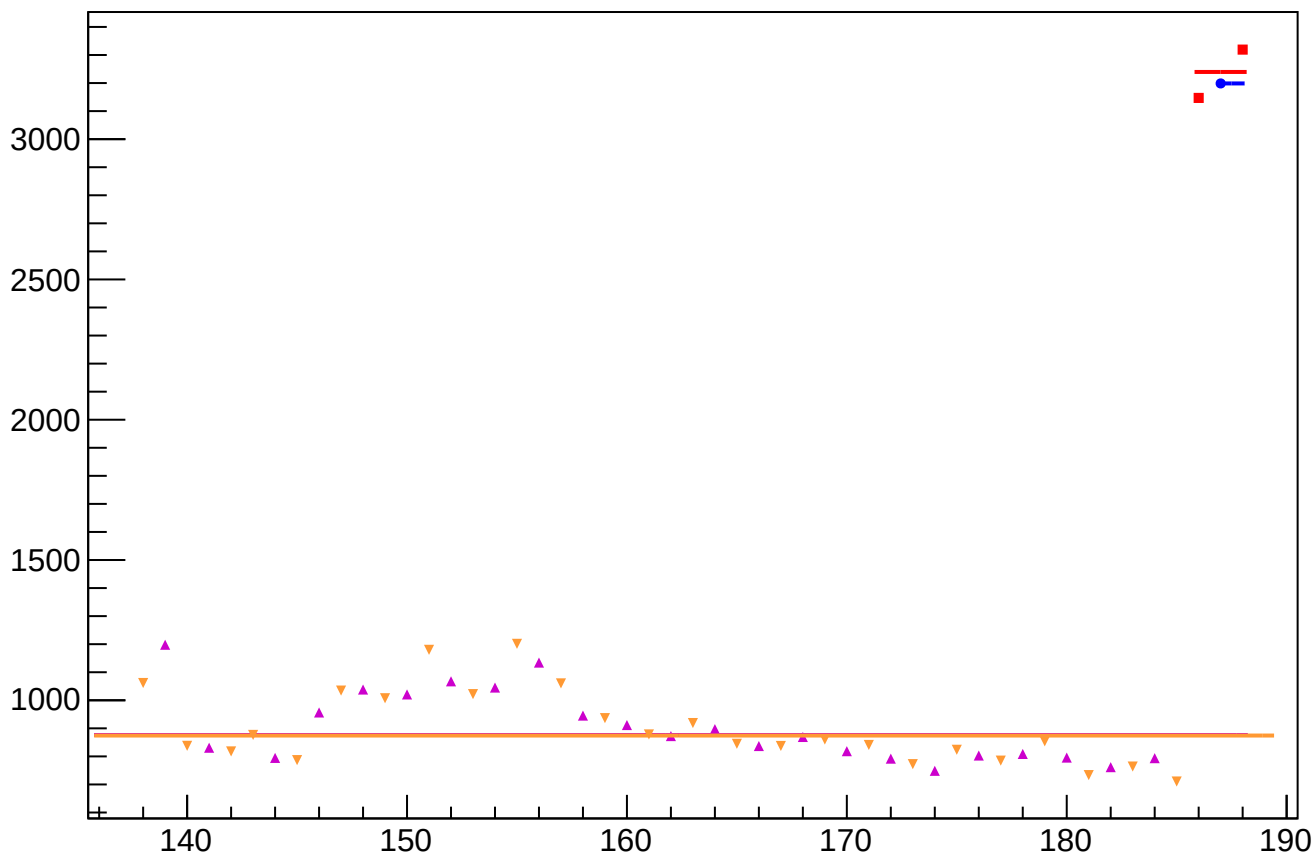
Right: 172.205+/-3198.810 χ^2/NDF : 0.8/2

In: -18.035+/-210.622 χ^2/NDF : 29.5/23

Out: -889.695+/-205.893 χ^2/NDF : 56.4/26

All: -463.761+/-147.232 χ^2/NDF : 94.7/50

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 3198.623+/-5.819 χ^2/NDF : 0.0/0

Left Out: 874.364+/-0.146 χ^2/NDF : 625478.5/24

Right Out: 3239.552+/-2.455 χ^2/NDF : 1222.8/1

Left In: 876.305+/-0.149 χ^2/NDF : 569671.1/22

Left: 875.314+/-0.104 χ^2/NDF : 1195236.3/47

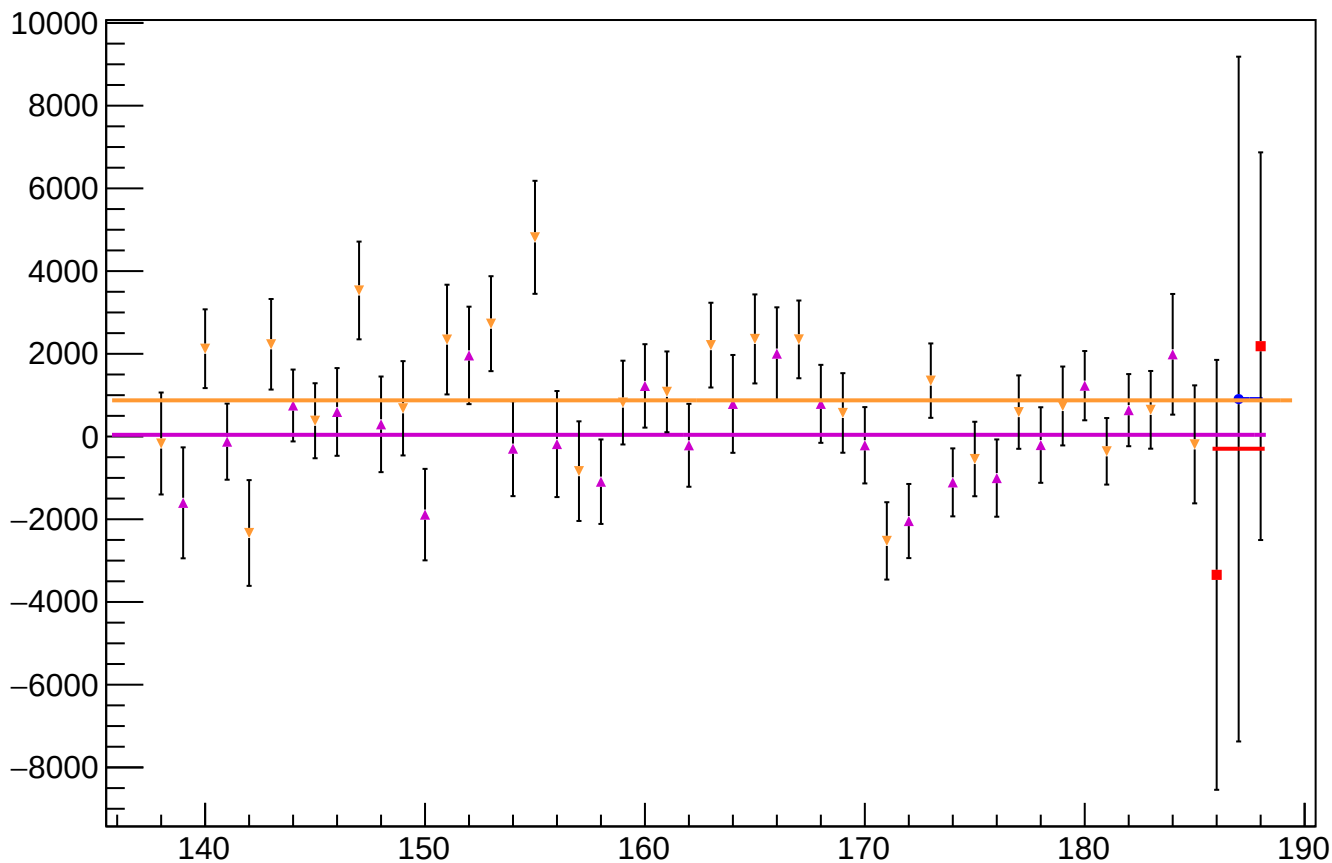
Right: 3233.369+/-2.262 χ^2/NDF : 1264.8/2

In: 877.826+/-0.149 χ^2/NDF : 728819.4/23

Out: 882.682+/-0.146 χ^2/NDF : 1551664.1/26

All: 880.309+/-0.104 χ^2/NDF : 2281027.1/50

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: -295.089 $\pm$ 3480.509 χ^2 /NDF: 0.6/1

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

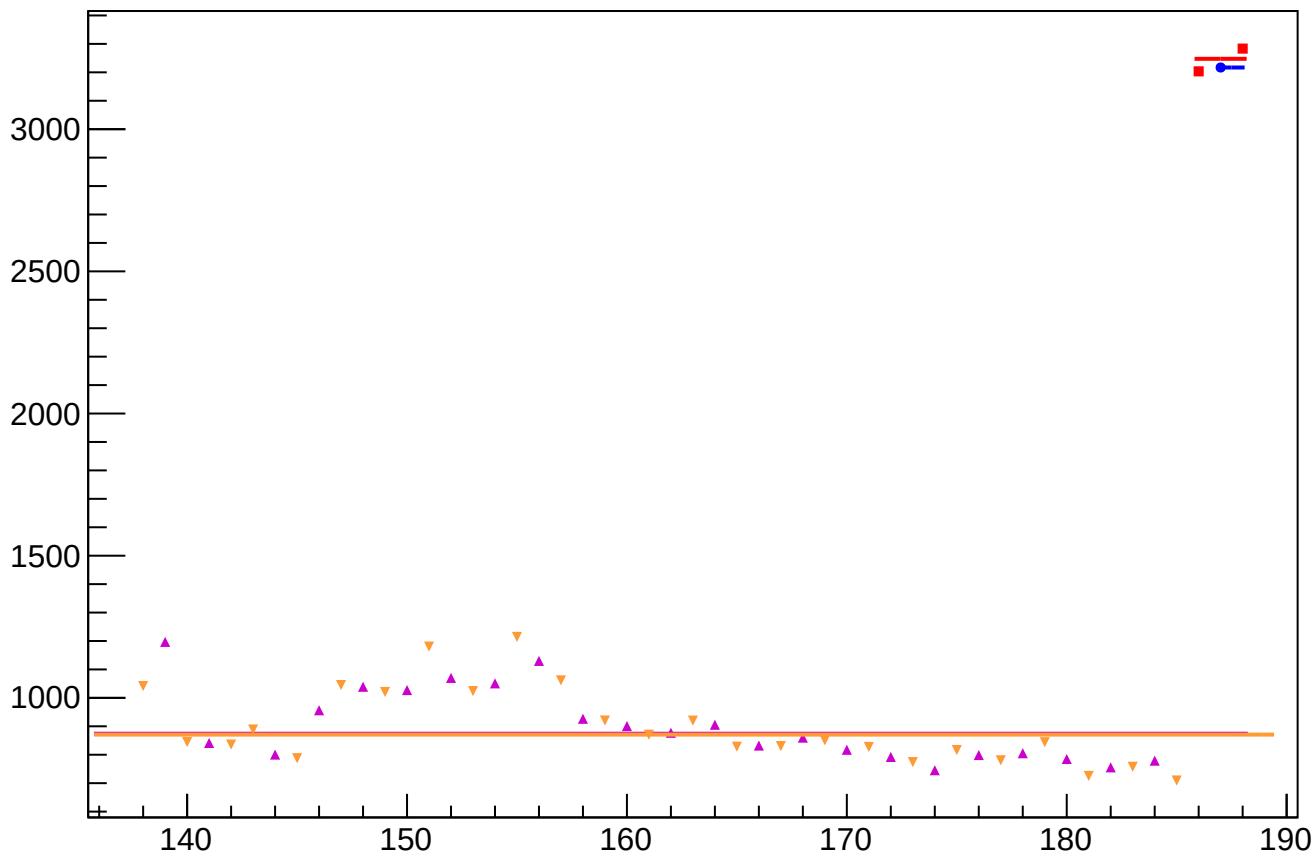
Right: -114.693 $\pm$ 3208.486 χ^2 /NDF: 0.6/2

In: 42.080 $\pm$ 210.141 χ^2 /NDF:28.1/23

Out: 871.016 $\pm$ 205.214 χ^2 /NDF:55.8/26

All: 466.378 $\pm$ 146.819 χ^2 /NDF: 91.9/50

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: 3247.539 $\pm$ 2.461 χ^2 /NDF: 261.0/1

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

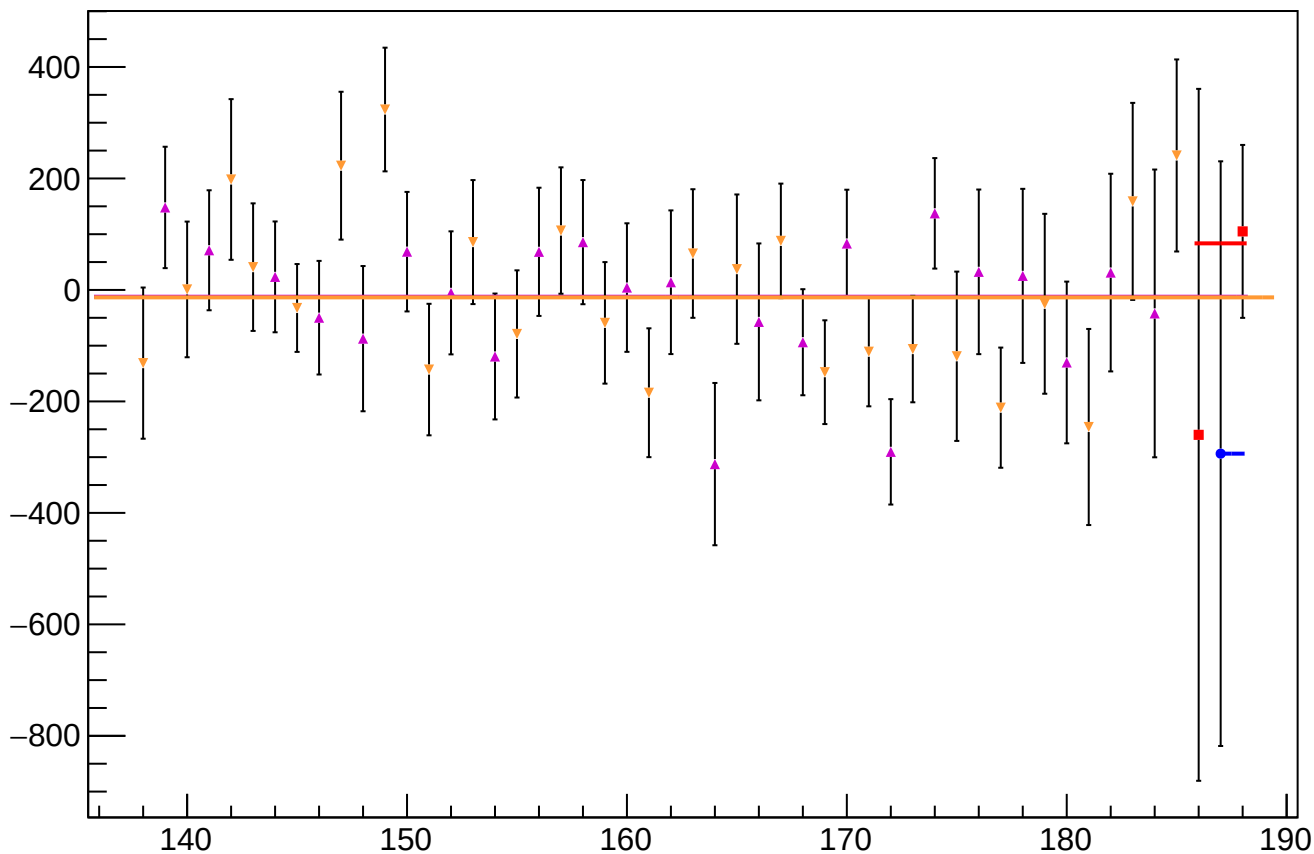
Right: 3242.943 $\pm$ 2.269 χ^2 /NDF: 284.2/2

In: 875.412 $\pm$ 0.149 χ^2 /NDF:743444.0/23

Out: 879.115 $\pm$ 0.145 χ^2 /NDF:1581408.8/26

All: 877.307 $\pm$ 0.104 χ^2 /NDF: 2325170.8/50

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -293.720 ± 524.484 χ^2/NDF : 0.0/0

Left Out: -13.337 ± 23.361 χ^2/NDF : 35.8/24

Right Out: 83.567 ± 150.500 χ^2/NDF : 0.3/1

Left In: -12.180 ± 24.424 χ^2/NDF : 24.1/22

Left: -12.785 ± 16.882 χ^2/NDF : 59.8/47

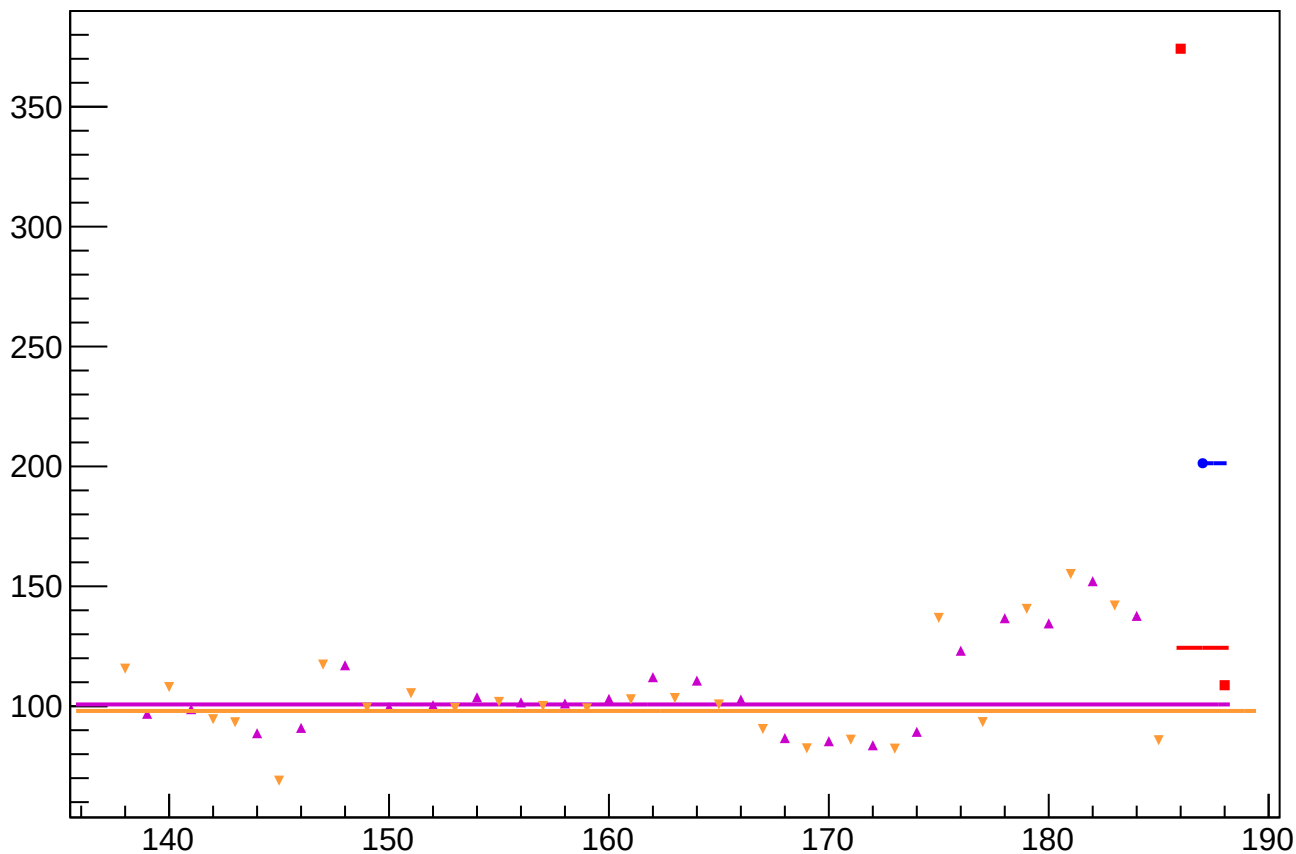
Right: 54.865 ± 144.662 χ^2/NDF : 0.8/2

In: -12.790 ± 24.398 χ^2/NDF : 24.3/23

Out: -11.057 ± 23.084 χ^2/NDF : 36.5/26

All: -11.876 ± 16.768 χ^2/NDF : 60.8/50

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 201.330 $\pm$ 0.371 χ^2 /NDF: 0.0/0

Left Out: 98.025 $\pm$ 0.017 χ^2 /NDF:1155755.3/24

Right Out: 124.363 $\pm$ 0.106 χ^2 /NDF: 344281.5/1

Left In: 100.743 $\pm$ 0.017 χ^2 /NDF:765132.3/22

Left: 99.323 $\pm$ 0.012 χ^2 /NDF: 1933818.5/47

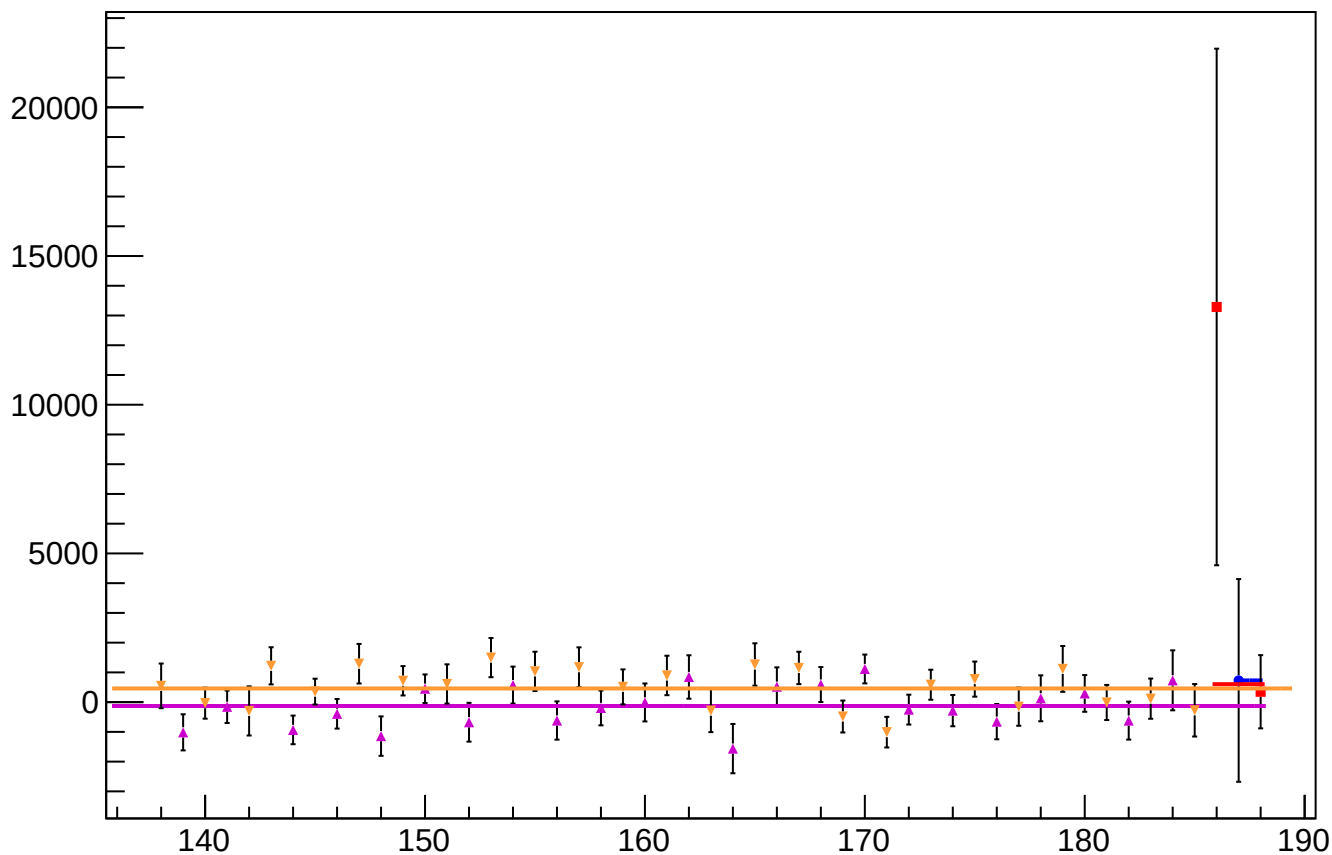
Right: 130.218 $\pm$ 0.102 χ^2 /NDF: 384075.0/2

In: 100.960 $\pm$ 0.017 χ^2 /NDF:838535.1/23

Out: 98.645 $\pm$ 0.016 χ^2 /NDF:1559848.7/26

All: 99.739 $\pm$ 0.012 χ^2 /NDF: 2407889.7/50

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 729.518 $\pm$ 3407.994 χ^2 /NDF: 0.0/0

Left Out: 460.425 $\pm$ 121.966 χ^2 /NDF:28.8/24

Right Out: 604.132 $\pm$ 1218.907 χ^2 /NDF: 2.2/1

Left In: -129.944 $\pm$ 124.245 χ^2 /NDF:28.3/22

Left: 170.705 $\pm$ 87.038 χ^2 /NDF: 68.6/47

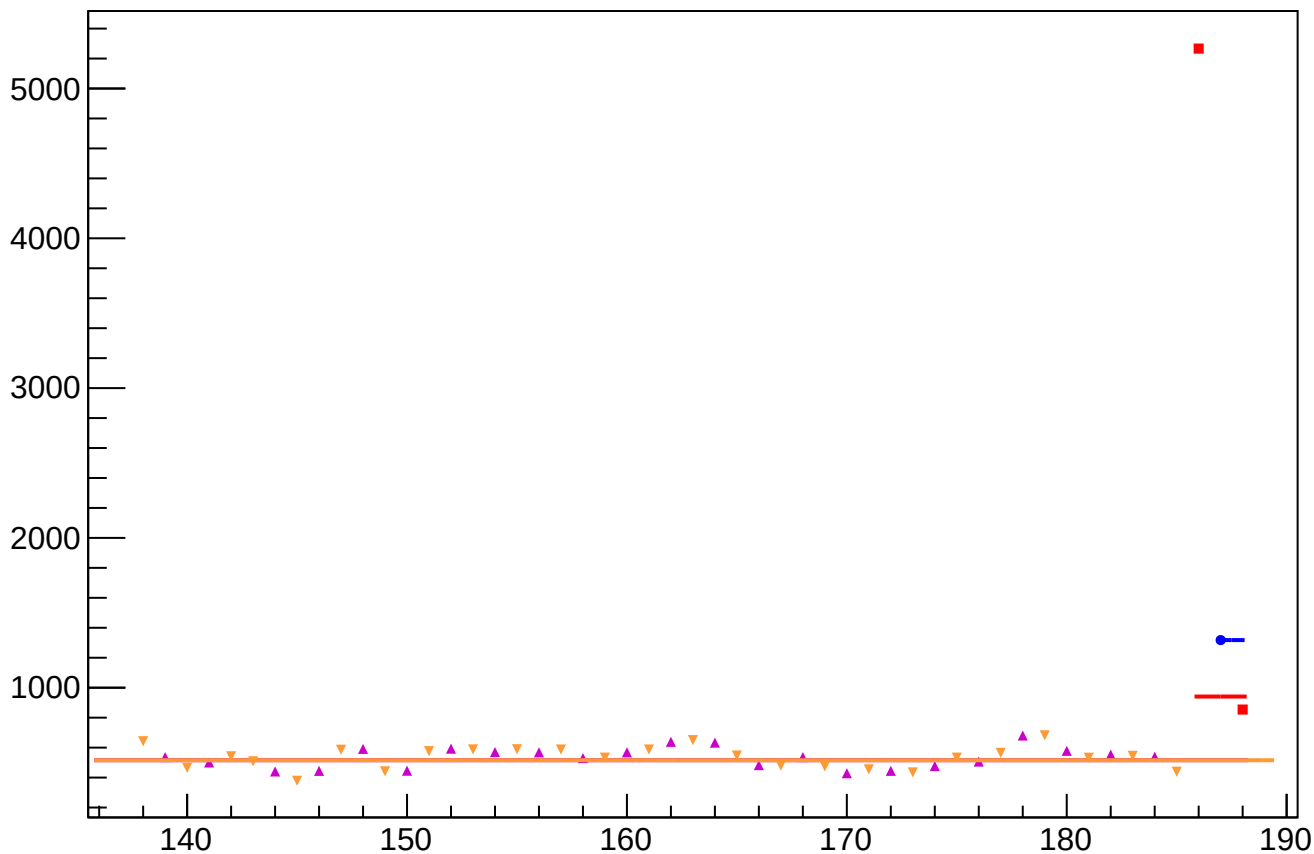
Right: 618.353 $\pm$ 1147.707 χ^2 /NDF: 2.2/2

In: -128.803 $\pm$ 124.163 χ^2 /NDF:28.4/23

Out: 461.850 $\pm$ 121.360 χ^2 /NDF:30.9/26

All: 173.265 $\pm$ 86.788 χ^2 /NDF: 70.9/50

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1317.864+/-2.410 χ^2/NDF : 0.0/0

Left Out: 515.747+/-0.086 χ^2/NDF : 758795.8/24

Right Out: 940.992+/-0.862 χ^2/NDF : 506078.6/1

Left In: 516.102+/-0.088 χ^2/NDF : 572973.7/22

Left: 515.921+/-0.062 χ^2/NDF : 1331777.8/47

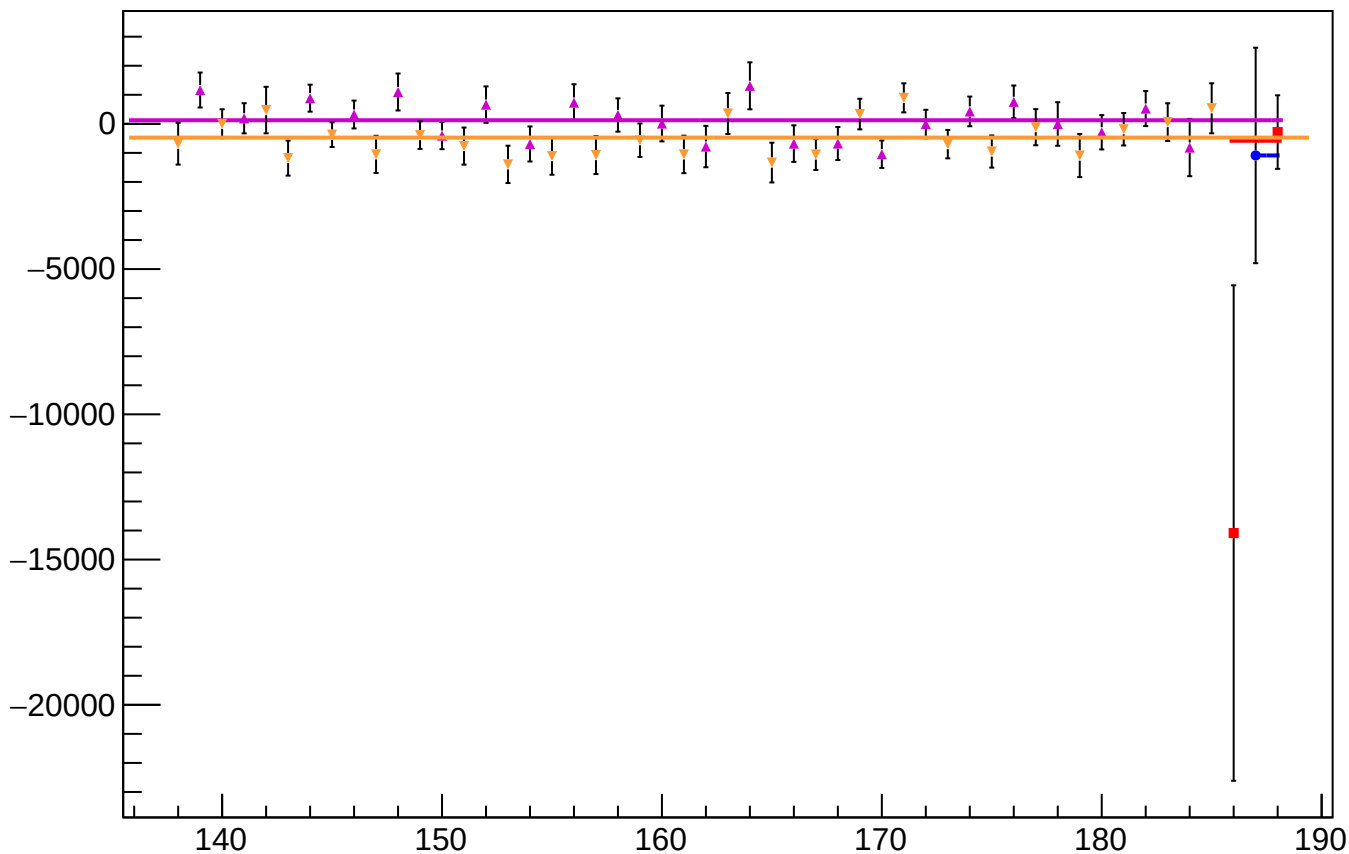
Right: 983.734+/-0.812 χ^2/NDF : 527762.8/2

In: 517.166+/-0.088 χ^2/NDF : 683520.6/23

Out: 519.963+/-0.086 χ^2/NDF : 1505887.0/26

All: 518.596+/-0.061 χ^2/NDF : 2189926.5/50

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -1087.606 $\pm$ 3709.487 χ^2 /NDF: 0.0/0

Left Out: -473.870 $\pm$ 117.977 χ^2 /NDF:27.9/24

Right Out: -581.624 $\pm$ 1252.757 χ^2 /NDF: 2.6/1

Left In: 124.022 $\pm$ 120.216 χ^2 /NDF:30.2/22

Left: -180.543 $\pm$ 84.203 χ^2 /NDF: 70.7/47

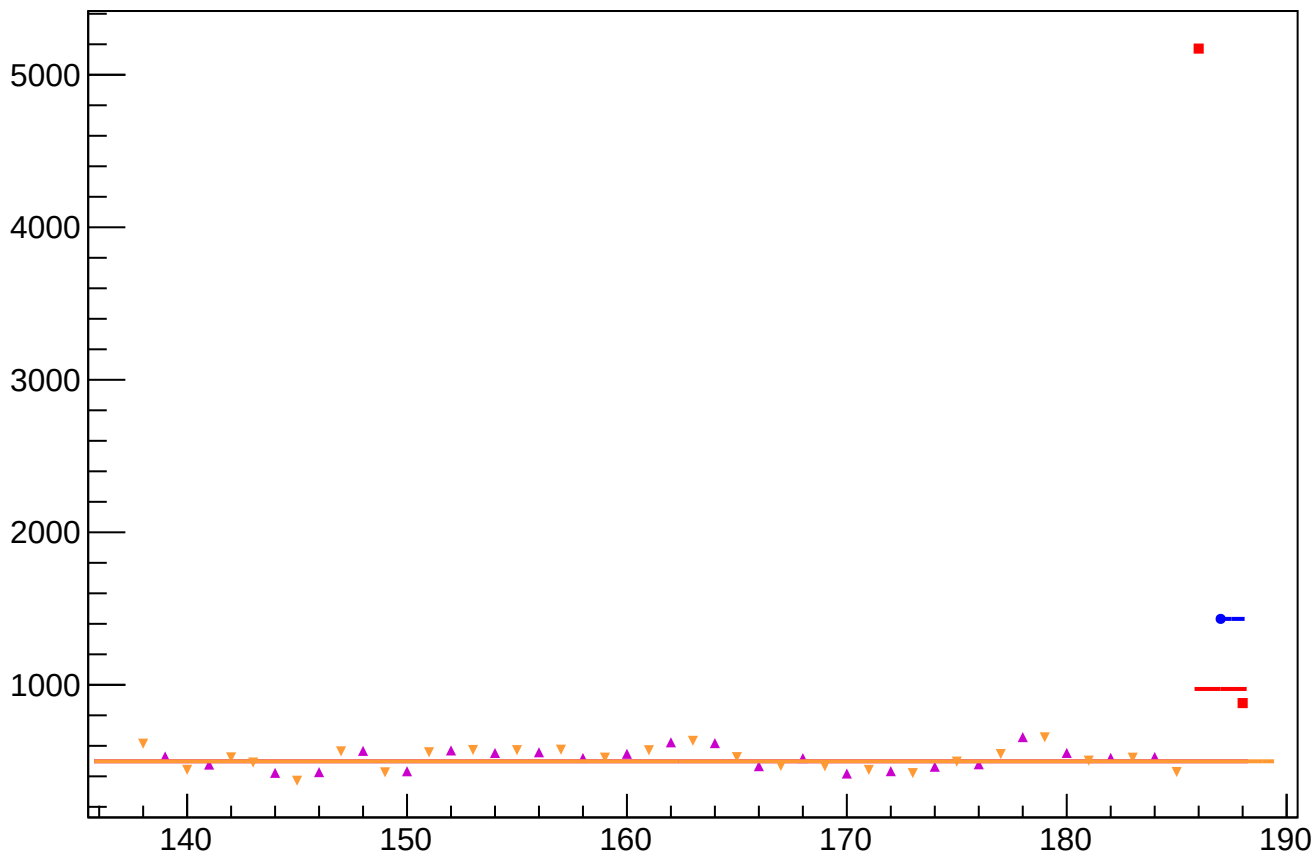
Right: -633.425 $\pm$ 1186.900 χ^2 /NDF: 2.6/2

In: 122.751 $\pm$ 120.153 χ^2 /NDF:30.3/23

Out: -474.818 $\pm$ 117.457 χ^2 /NDF:30.5/26

All: -182.811 $\pm$ 83.992 χ^2 /NDF: 73.4/50

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: 972.980+/-0.886 χ^2/NDF : 495461.7/1

Left In: 498.835+/-0.085 χ^2/NDF : 572334.3/22

Left: 498.747+/-0.060 χ^2/NDF : 1306988.8/47

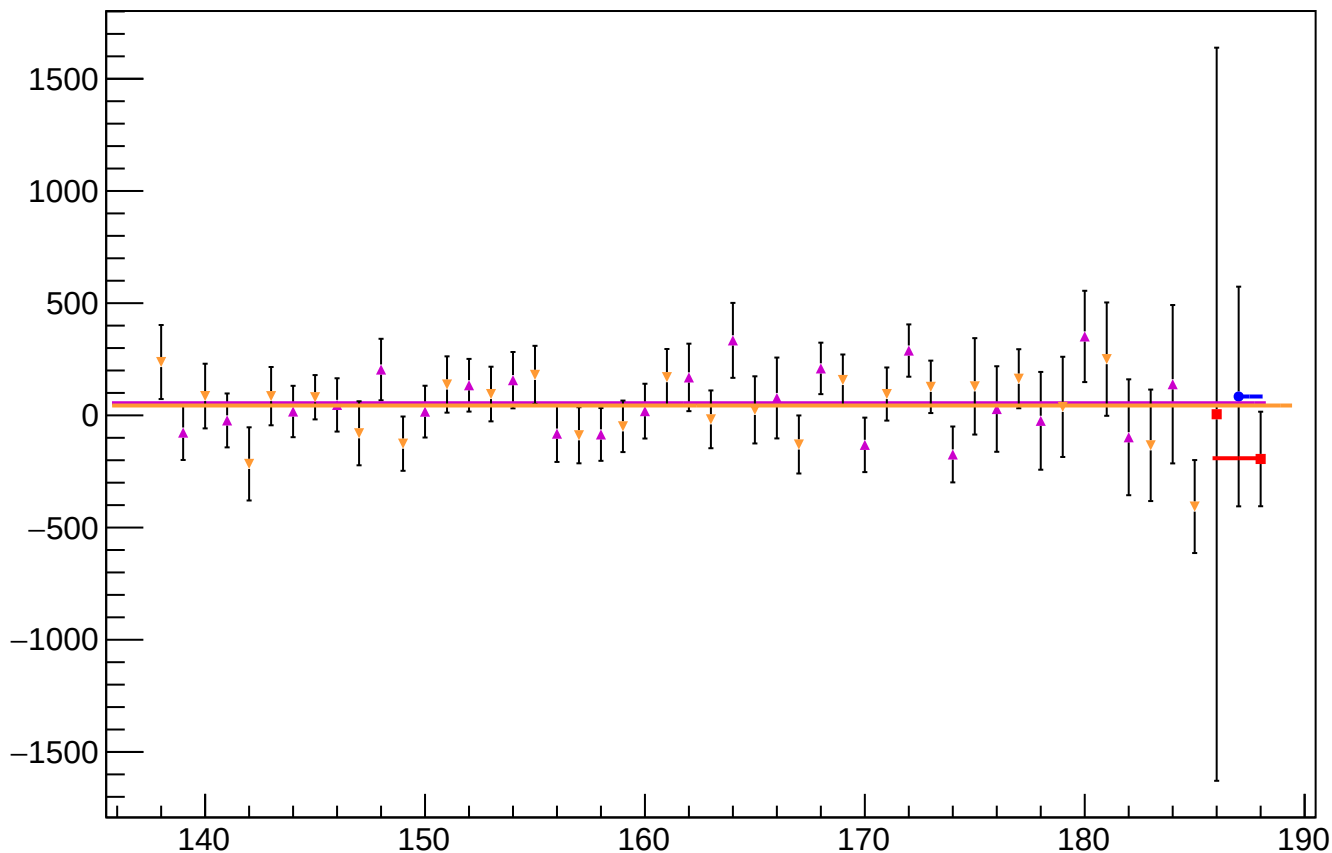
Right: 1020.013+/-0.839 χ^2/NDF : 522998.0/2

In: 499.814+/-0.085 χ^2/NDF : 698875.1/23

Out: 502.832+/-0.083 χ^2/NDF : 1514297.7/26

All: 501.357+/-0.059 χ^2/NDF : 2213817.8/50

dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 84.066 $\pm$ 489.484 χ^2 /NDF: 0.0/0

Left Out: 43.944 $\pm$ 27.345 χ^2 /NDF:22.2/24

Right Out: -191.066 $\pm$ 208.914 χ^2 /NDF: 0.0/1

Left In: 54.074 $\pm$ 28.411 χ^2 /NDF:24.4/22

Left: 48.815 $\pm$ 19.702 χ^2 /NDF: 46.7/47

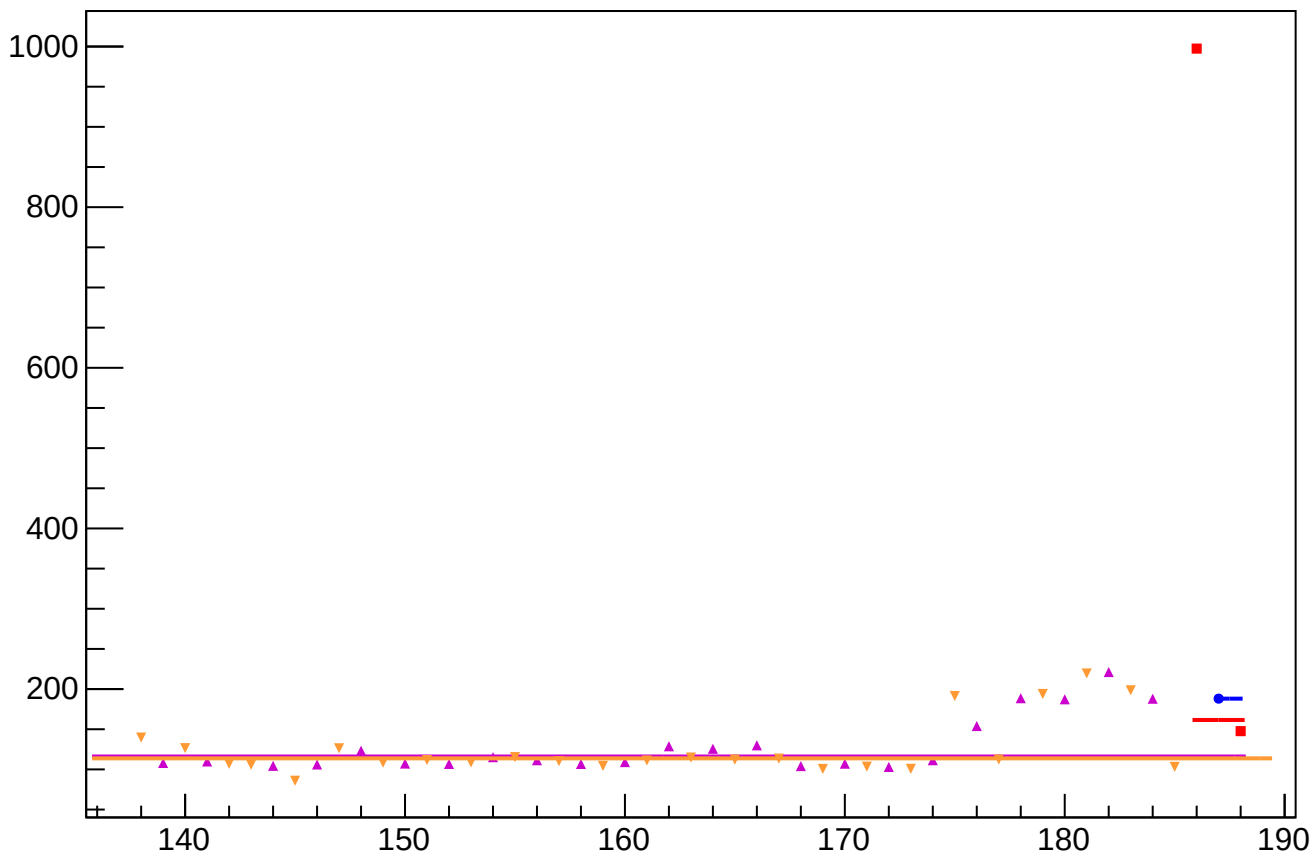
Right: -148.670 $\pm$ 192.145 χ^2 /NDF: 0.3/2

In: 54.175 $\pm$ 28.363 χ^2 /NDF:24.4/23

Out: 39.985 $\pm$ 27.114 χ^2 /NDF:23.5/26

All: 46.761 $\pm$ 19.599 χ^2 /NDF: 48.1/50

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 188.090 $\pm$ 0.346 χ^2 /NDF: 0.0/0

Left Out: 113.737 $\pm$ 0.019 χ^2 /NDF:1449004.4/24

Right Out: 161.537 $\pm$ 0.148 χ^2 /NDF: 532377.5/1

Left In: 116.086 $\pm$ 0.020 χ^2 /NDF:1153706.1/22

Left: 114.867 $\pm$ 0.014 χ^2 /NDF: 2609808.6/47

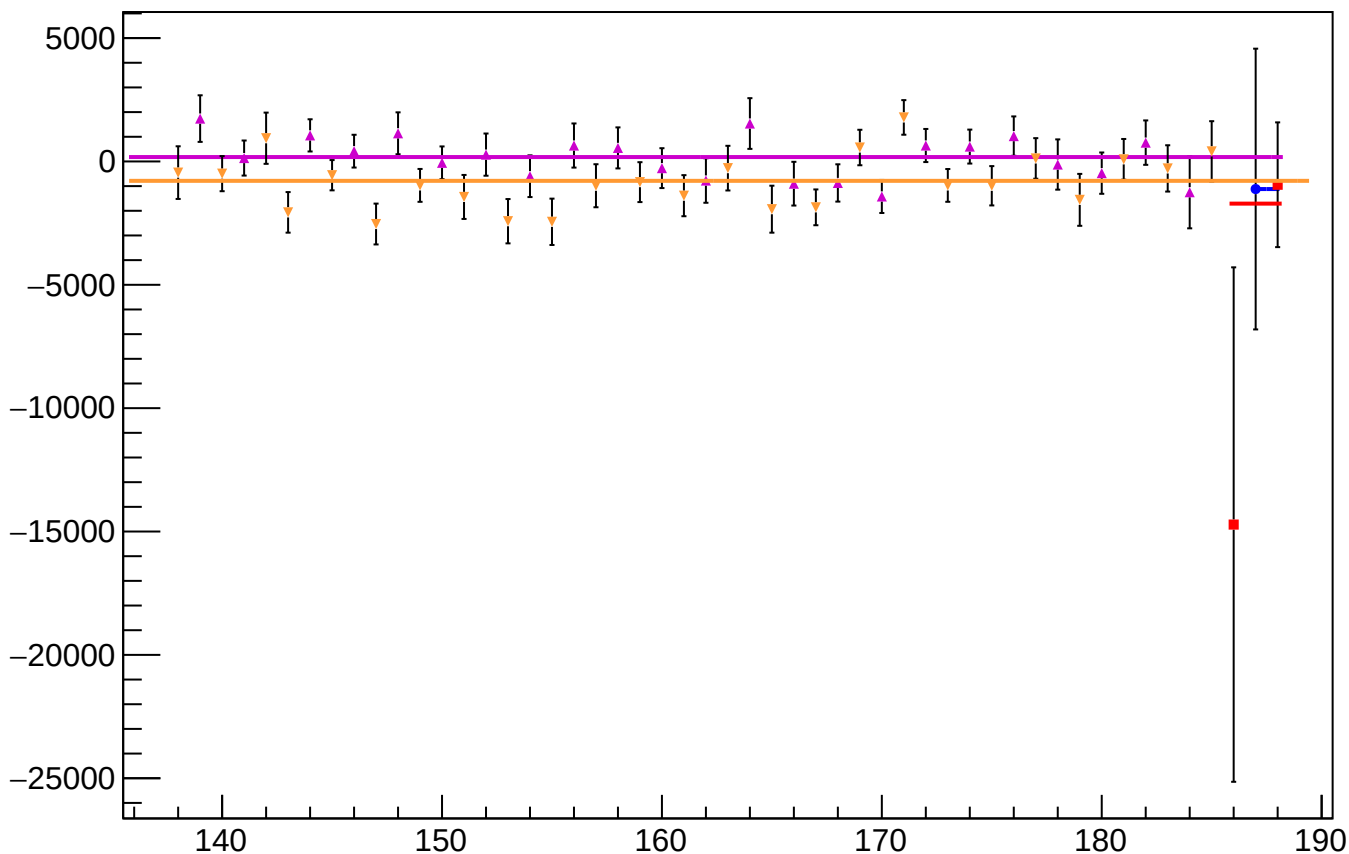
Right: 165.629 $\pm$ 0.136 χ^2 /NDF: 537355.8/2

In: 116.328 $\pm$ 0.020 χ^2 /NDF:1196837.9/23

Out: 114.542 $\pm$ 0.019 χ^2 /NDF:2084319.8/26

All: 115.395 $\pm$ 0.014 χ^2 /NDF: 3285300.3/50

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



Right In: -1118.926+/-5689.931 χ^2/NDF : 0.0/0

Left Out: -786.017+/-163.870 χ^2/NDF : 42.9/24

Right Out: -1709.516+/-2456.916 χ^2/NDF : 1.6/1

Left In: 178.145+/-167.125 χ^2/NDF : 23.8/22

Left: -313.418+/-117.007 χ^2/NDF : 83.6/47

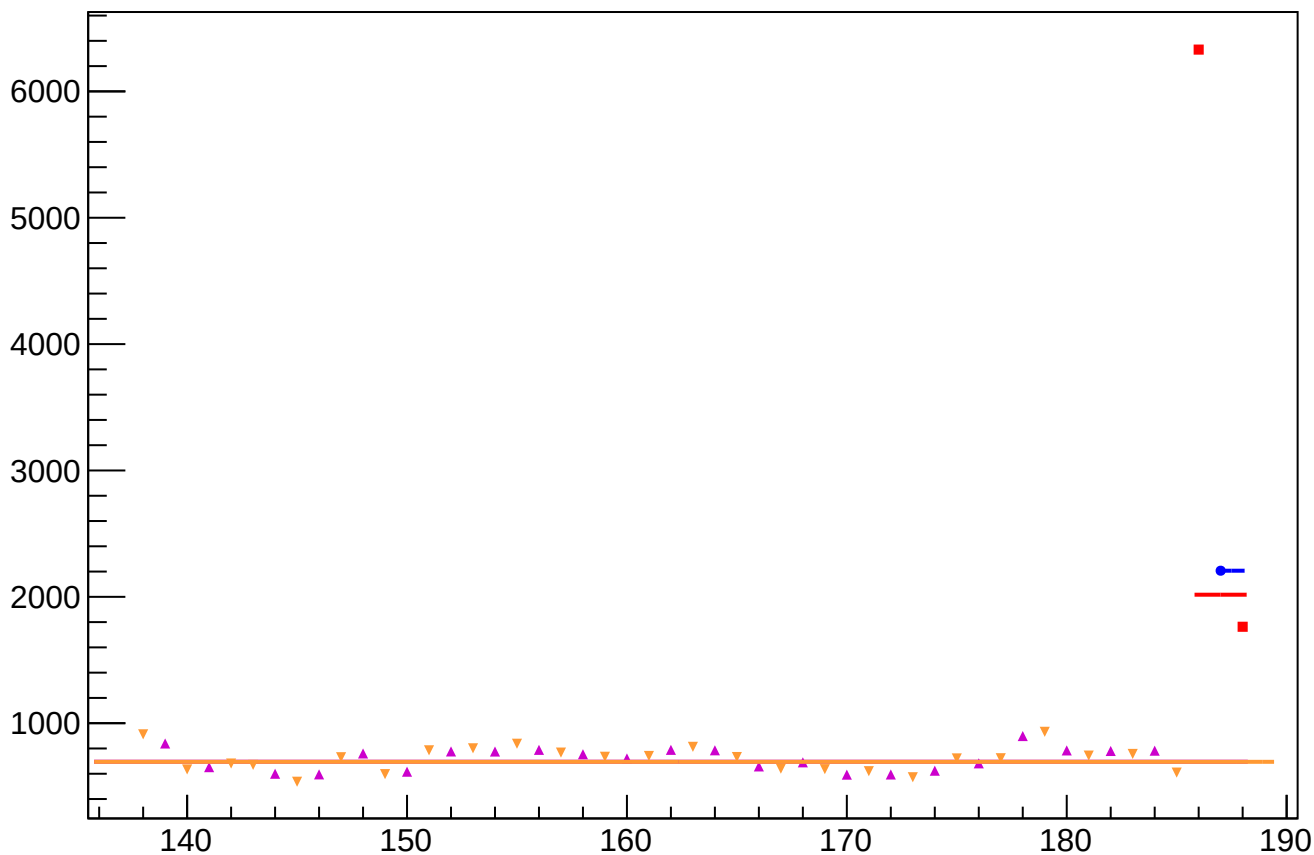
Right: -1616.704+/-2255.617 χ^2/NDF : 1.7/2

In: 177.027+/-167.053 χ^2/NDF : 23.8/23

Out: -790.107+/-163.506 χ^2/NDF : 44.7/26

All: -316.916+/-116.850 χ^2/NDF : 85.6/50

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



Right In: 2206.735+/-4.023 χ^2/NDF : 0.0/0

Left Out: 694.374+/-0.116 χ^2/NDF : 682913.3/24

Right Out: 2016.853+/-1.737 χ^2/NDF : 362520.5/1

Left In: 695.132+/-0.118 χ^2/NDF : 534747.1/22

Left: 694.745+/-0.083 χ^2/NDF : 1217681.4/47

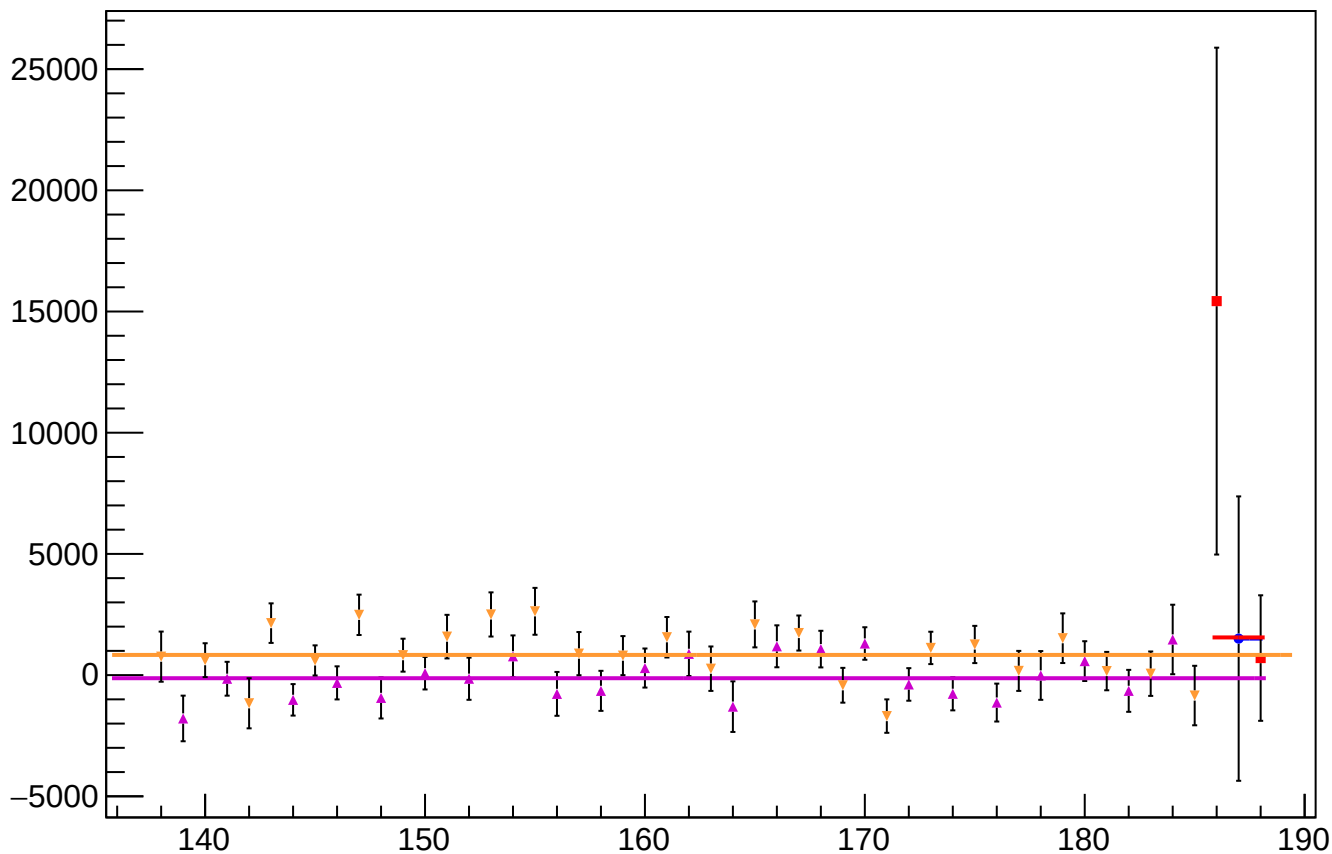
Right: 2046.693+/-1.595 χ^2/NDF : 364397.8/2

In: 696.435+/-0.118 χ^2/NDF : 675778.9/23

Out: 700.231+/-0.116 χ^2/NDF : 1622332.0/26

All: 698.374+/-0.083 χ^2/NDF : 2298638.2/50

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: 1554.375 $\pm$ 2513.346 χ^2 /NDF: 1.9/1

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

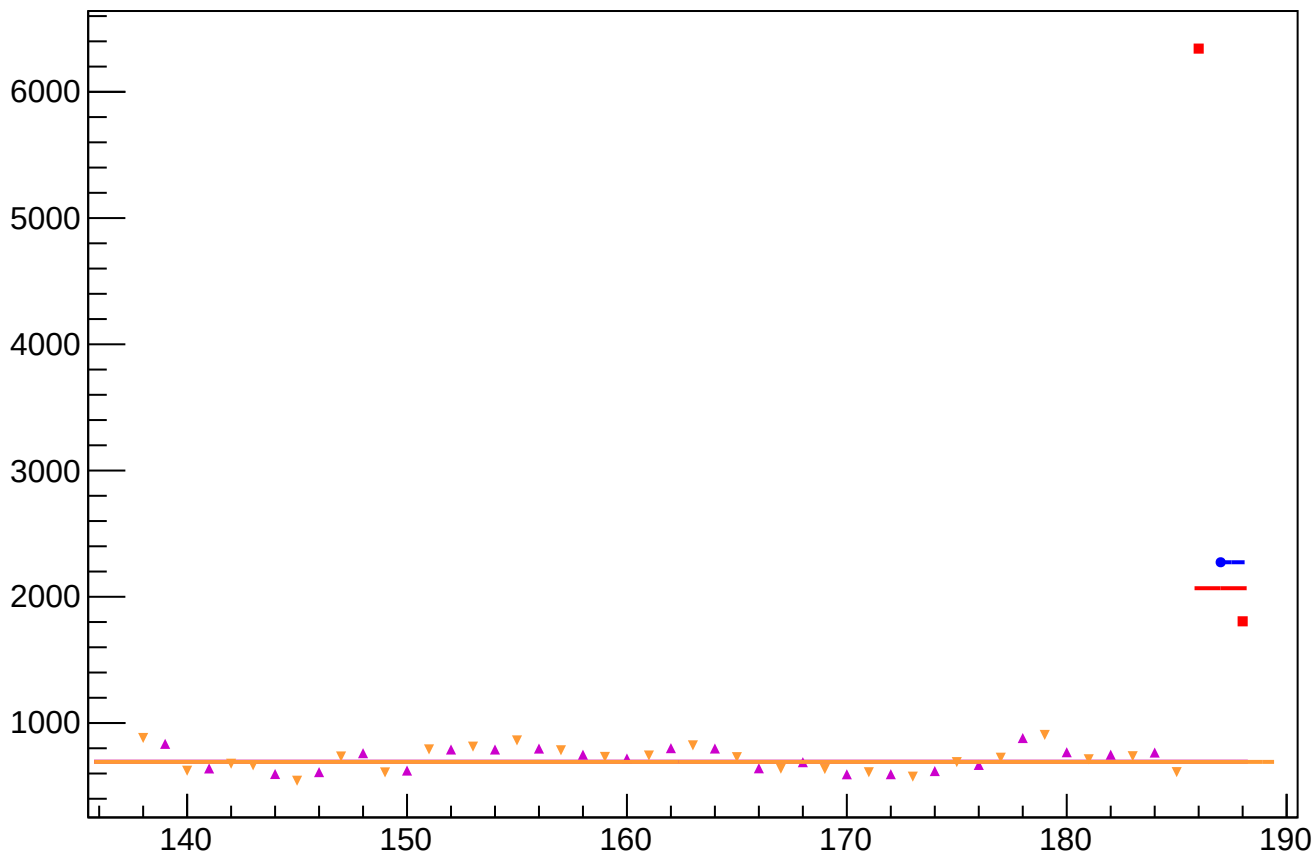
Right: 1546.930 $\pm$ 2310.254 χ^2 /NDF: 1.9/2

In: -126.798 $\pm$ 166.798 χ^2 /NDF:25.4/23

Out: 835.592 $\pm$ 163.084 χ^2 /NDF:45.8/26

All: 365.232 $\pm$ 116.609 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: 2067.832+/-1.777 χ^2/NDF : 354794.4/1

Left In: 693.615+/-0.118 χ^2/NDF : 520692.6/22

Left: 692.827+/-0.083 χ^2/NDF : 1178416.7/47

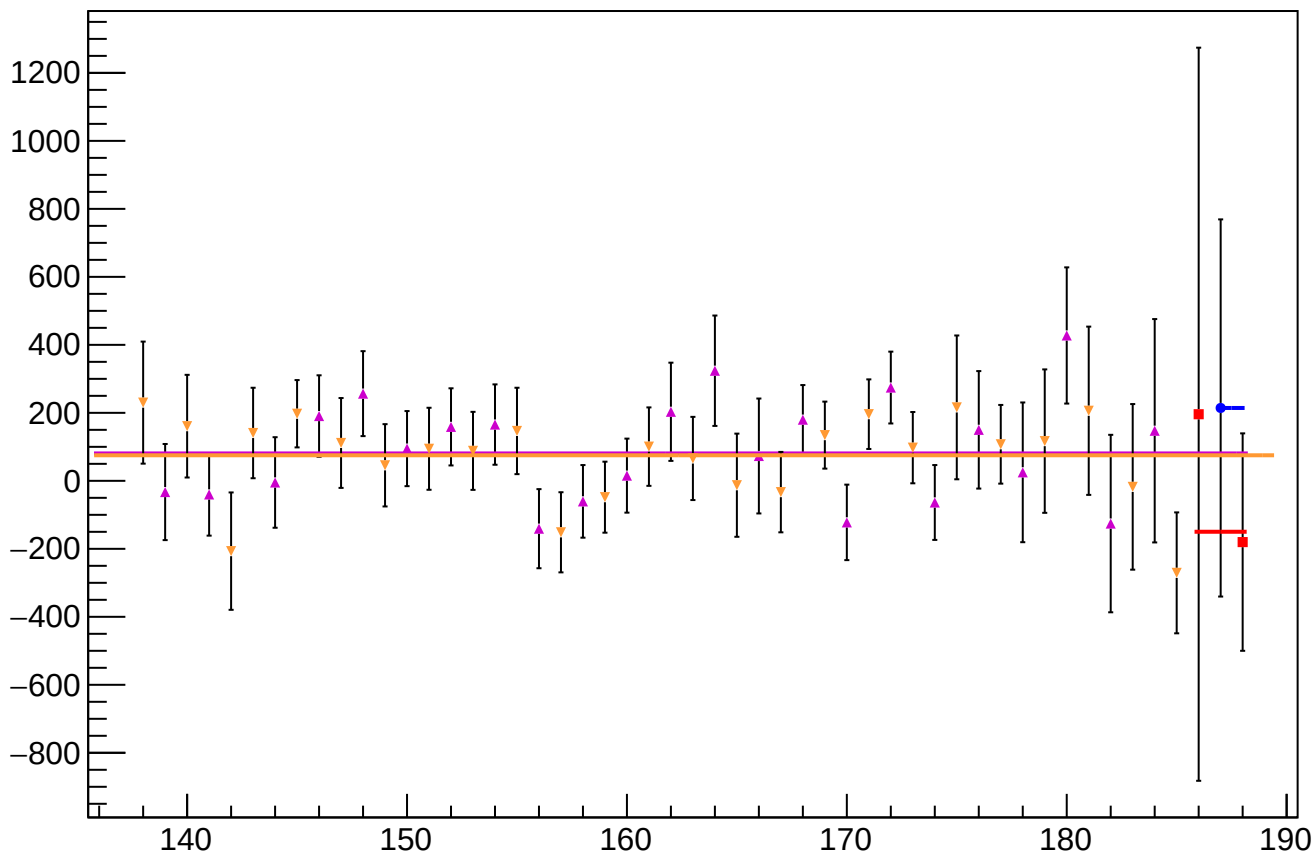
Right: 2099.728+/-1.634 χ^2/NDF : 356871.5/2

In: 694.893+/-0.118 χ^2/NDF : 665627.7/23

Out: 697.863+/-0.115 χ^2/NDF : 1609162.7/26

All: 696.411+/-0.082 χ^2/NDF : 2275114.7/50

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 214.332 $\pm$ 554.730 χ^2 /NDF: 0.0/0

Left Out: 75.160 $\pm$ 25.879 χ^2 /NDF:18.9/24

Right Out: -149.780 $\pm$ 306.600 χ^2 /NDF: 0.1/1

Left In: 80.580 $\pm$ 27.098 χ^2 /NDF:27.8/22

Left: 77.745 $\pm$ 18.715 χ^2 /NDF: 46.7/47

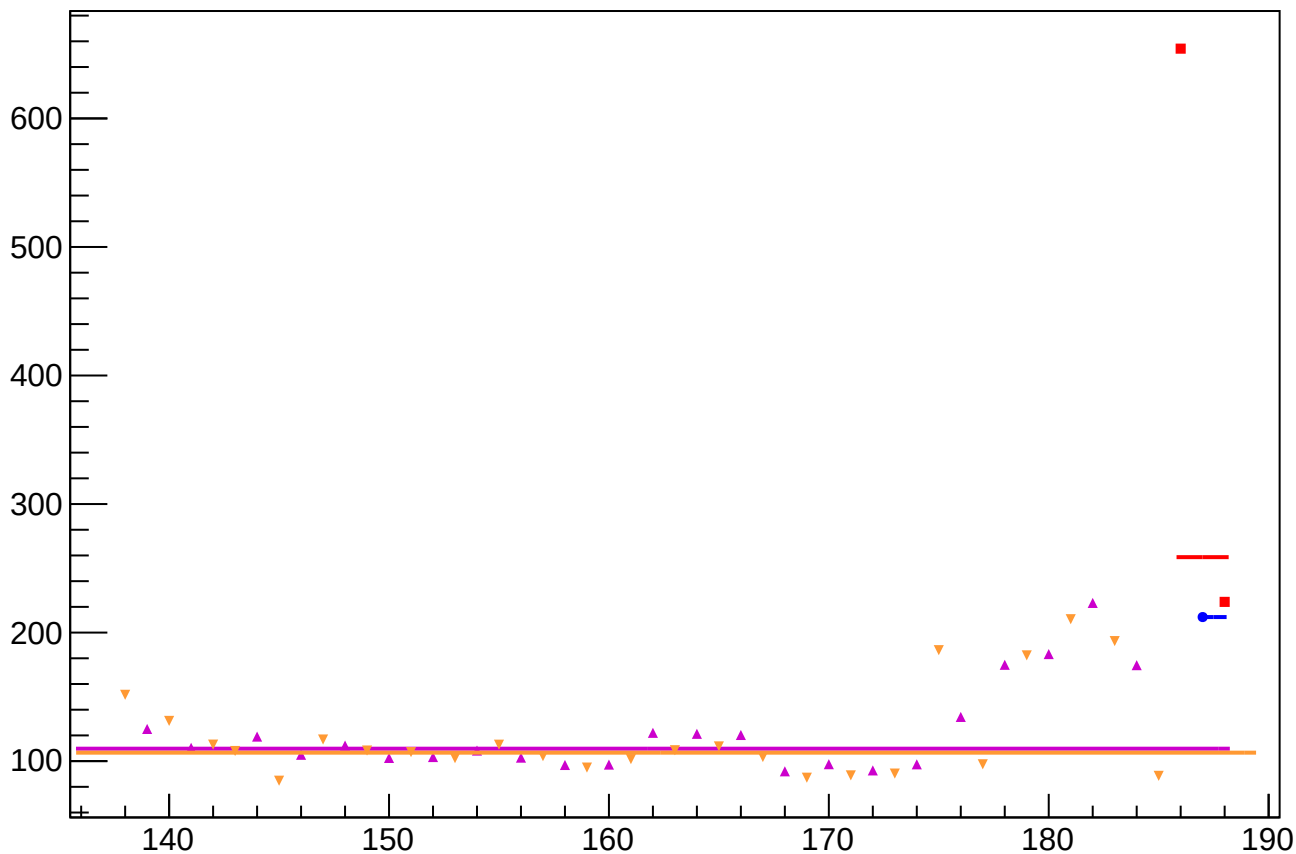
Right: -64.579 $\pm$ 268.341 χ^2 /NDF: 0.4/2

In: 80.898 $\pm$ 27.066 χ^2 /NDF:27.9/23

Out: 73.569 $\pm$ 25.787 χ^2 /NDF:19.5/26

All: 77.056 $\pm$ 18.670 χ^2 /NDF: 47.5/50

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 212.077 $\pm$ 0.392 χ^2 /NDF: 0.0/0

Left Out: 106.584 $\pm$ 0.018 χ^2 /NDF:1699202.1/24

Right Out: 258.684 $\pm$ 0.217 χ^2 /NDF: 292901.0/1

Left In: 109.672 $\pm$ 0.019 χ^2 /NDF:1274240.2/22

Left: 108.057 $\pm$ 0.013 χ^2 /NDF: 2987027.1/47

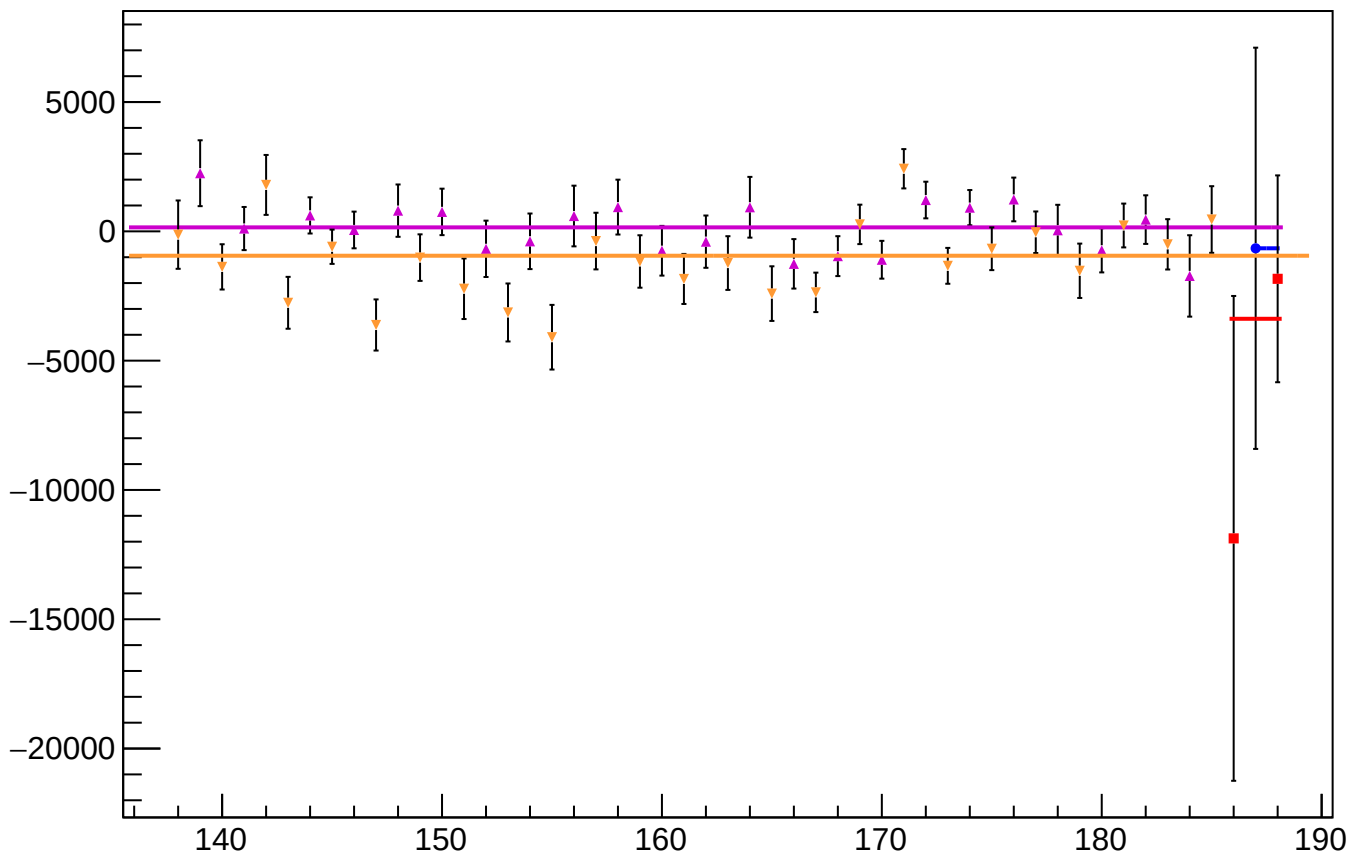
Right: 247.778 $\pm$ 0.190 χ^2 /NDF: 303715.5/2

In: 109.916 $\pm$ 0.019 χ^2 /NDF:1342234.4/23

Out: 107.660 $\pm$ 0.018 χ^2 /NDF:2480824.9/26

All: 108.733 $\pm$ 0.013 χ^2 /NDF: 3830343.0/50

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



Right In: -655.182 $\pm$ 7758.022 χ^2 /NDF: 0.0/0

Left Out: -942.636 $\pm$ 184.948 χ^2 /NDF:62.5/24

Right Out: -3381.171 $\pm$ 3678.573 χ^2 /NDF: 1.0/1

Left In: 153.898 $\pm$ 187.179 χ^2 /NDF:22.1/22

Left: -400.943 $\pm$ 131.560 χ^2 /NDF: 102.0/47

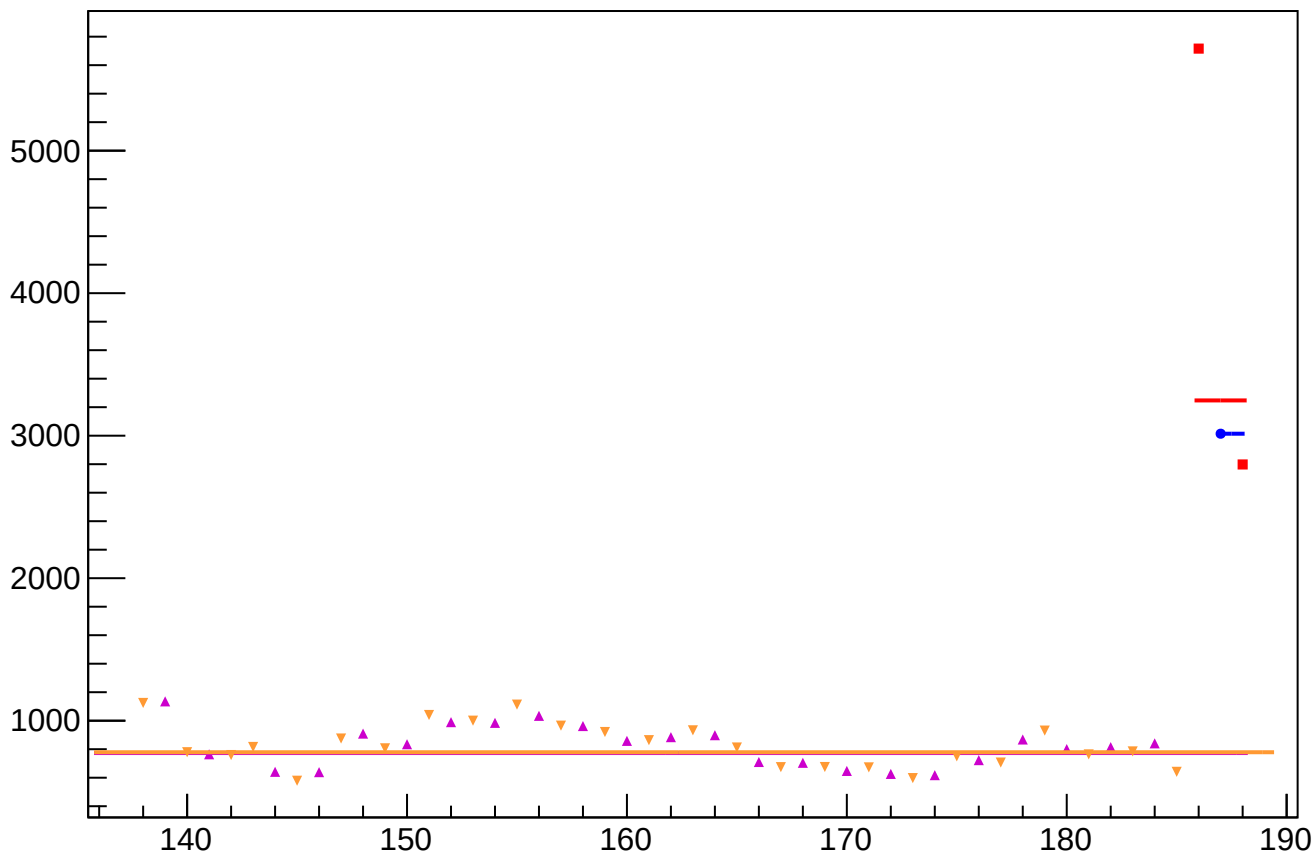
Right: -2880.786 $\pm$ 3323.849 χ^2 /NDF: 1.1/2

In: 153.427 $\pm$ 187.125 χ^2 /NDF:22.1/23

Out: -948.785 $\pm$ 184.715 χ^2 /NDF:63.9/26

All: -404.822 $\pm$ 131.457 χ^2 /NDF: 103.6/50

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



Right In: 3013.870+/-5.486 χ^2/NDF : 0.0/0

Left Out: 778.776+/-0.131 χ^2/NDF :1157041.1/24

Right Out: 3247.445+/-2.601 χ^2/NDF : 163954.4/1

Left In: 773.111+/-0.132 χ^2/NDF :1041042.3/22

Left: 775.977+/-0.093 χ^2/NDF : 2199010.2/47

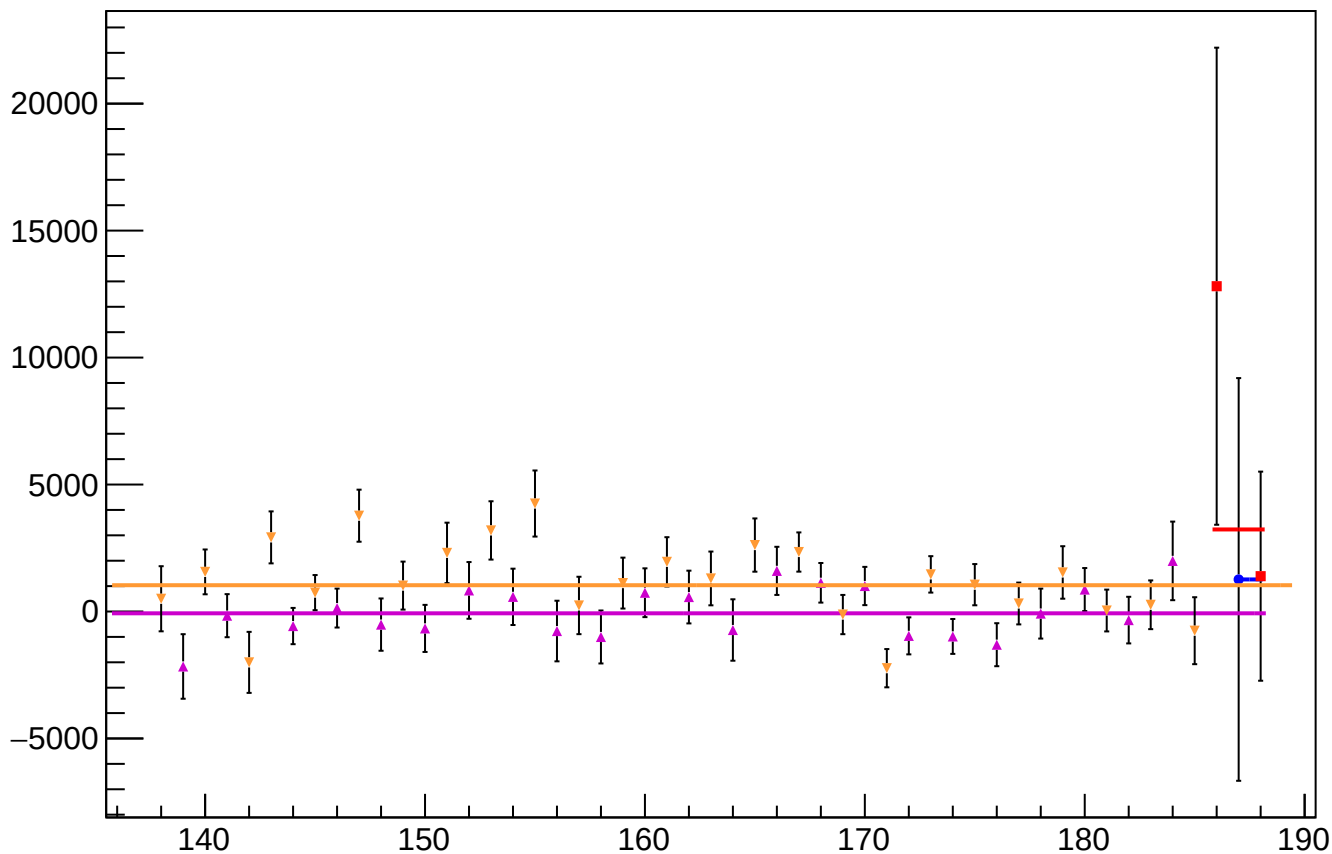
Right: 3204.570+/-2.350 χ^2/NDF : 165434.5/2

In: 774.415+/-0.132 χ^2/NDF :1207792.1/23

Out: 785.000+/-0.131 χ^2/NDF :2219459.3/26

All: 779.776+/-0.093 χ^2/NDF : 3430492.9/50

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: 3231.481 $\pm$ 3770.928 χ^2 /NDF: 1.2/1

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

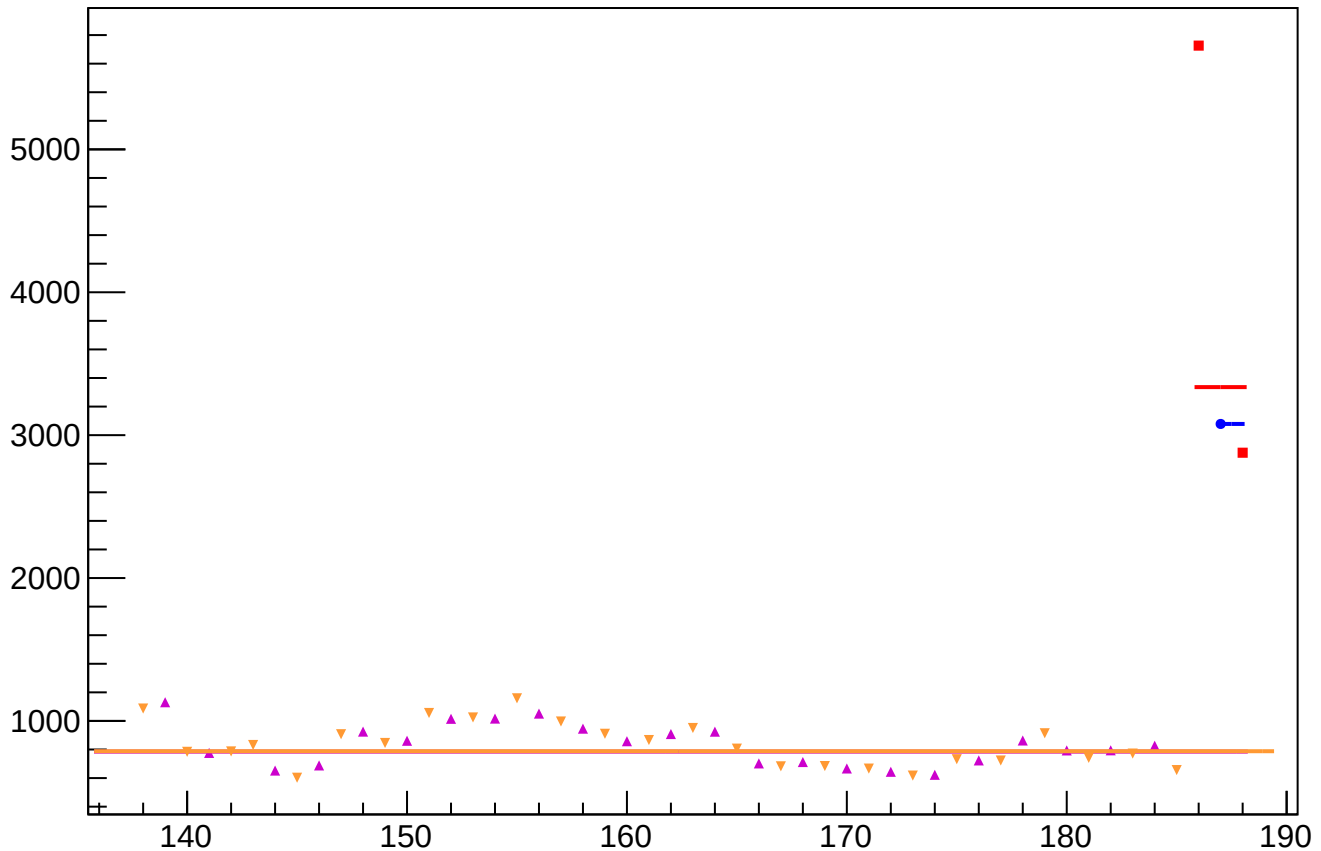
Right: 2868.342 $\pm$ 3405.437 χ^2 /NDF: 1.3/2

In: -70.085 $\pm$ 190.101 χ^2 /NDF:23.4/23

Out: 1041.005 $\pm$ 187.013 χ^2 /NDF:62.9/26

All: 494.557 $\pm$ 133.316 χ^2 /NDF: 103.7/50

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: 3336.239+/-2.666 χ^2/NDF : 154331.2/1

Left In: 785.179+/-0.134 χ^2/NDF :976942.0/22

Left: 786.602+/-0.094 χ^2/NDF : 2091148.6/47

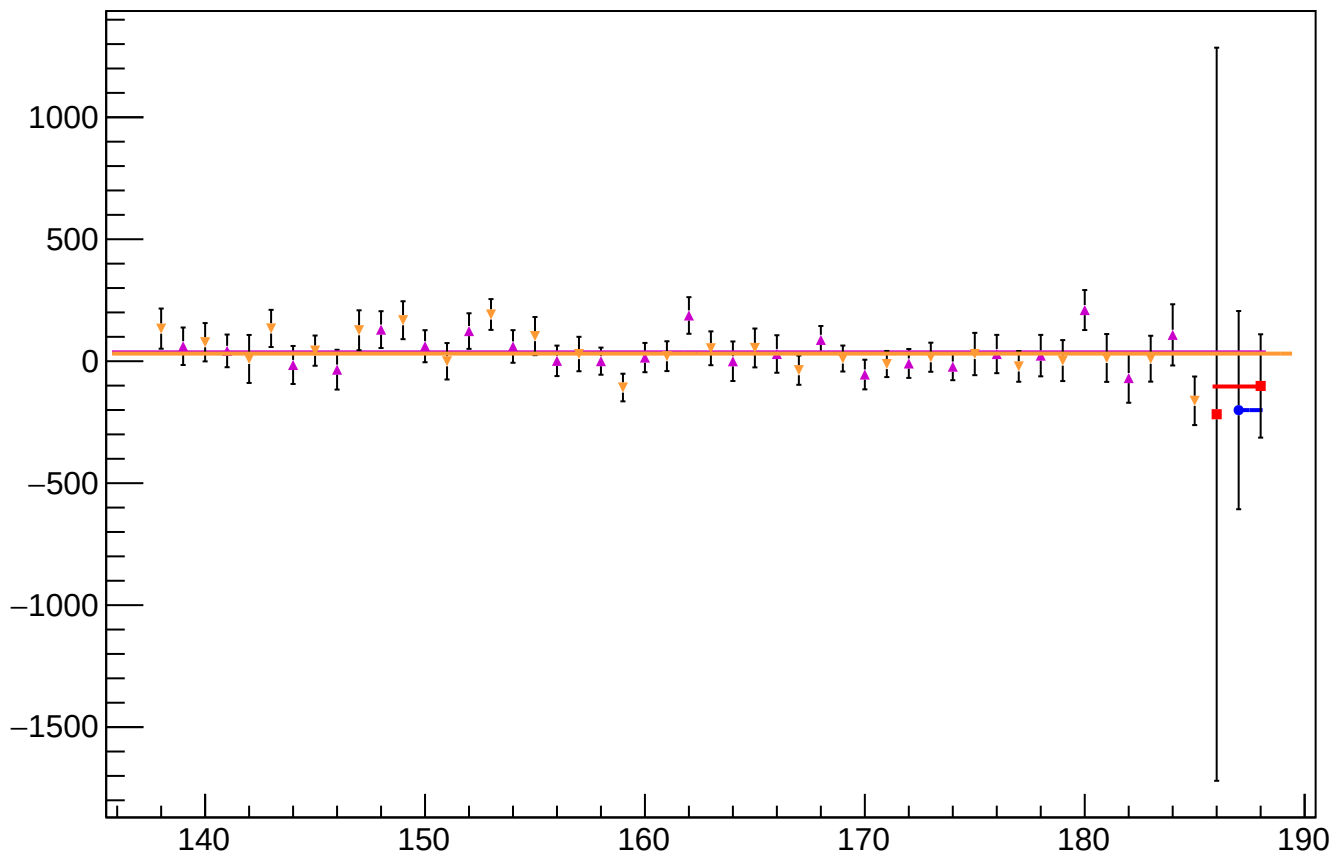
Right: 3288.692+/-2.408 χ^2/NDF : 156055.0/2

In: 786.497+/-0.134 χ^2/NDF :1144141.7/23

Out: 794.249+/-0.132 χ^2/NDF :2179385.2/26

All: 790.436+/-0.094 χ^2/NDF : 3325216.8/50

dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: -200.505+/-406.298 χ^2/NDF : 0.0/0

Left Out: 31.190+/-14.134 χ^2/NDF :28.8/24

Right Out: -103.674+/-209.733 χ^2/NDF : 0.0/1

Left In: 36.408+/-14.614 χ^2/NDF :20.4/22

Left: 33.712+/-10.160 χ^2/NDF : 49.2/47

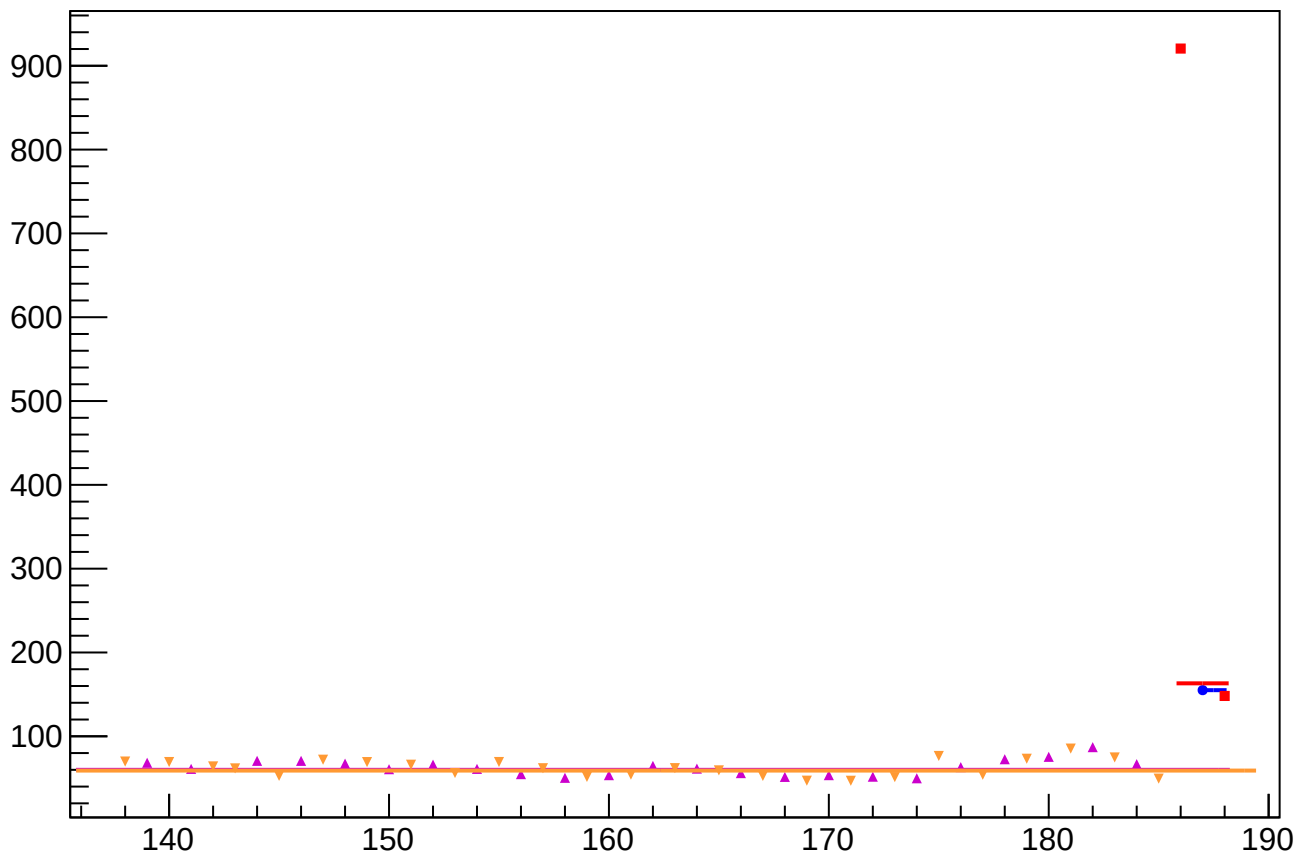
Right: -124.048+/-186.368 χ^2/NDF : 0.1/2

In: 36.101+/-14.605 χ^2/NDF :20.7/23

Out: 30.580+/-14.102 χ^2/NDF :29.2/26

All: 33.244+/-10.145 χ^2/NDF : 50.0/50

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 155.039 $\pm$ 0.287 χ^2 /NDF: 0.0/0

Left Out: 59.107 $\pm$ 0.010 χ^2 /NDF:921617.5/24

Right Out: 163.183 $\pm$ 0.148 χ^2 /NDF: 518113.3/1

Left In: 59.978 $\pm$ 0.010 χ^2 /NDF:677833.4/22

Left: 59.528 $\pm$ 0.007 χ^2 /NDF: 1603122.7/47

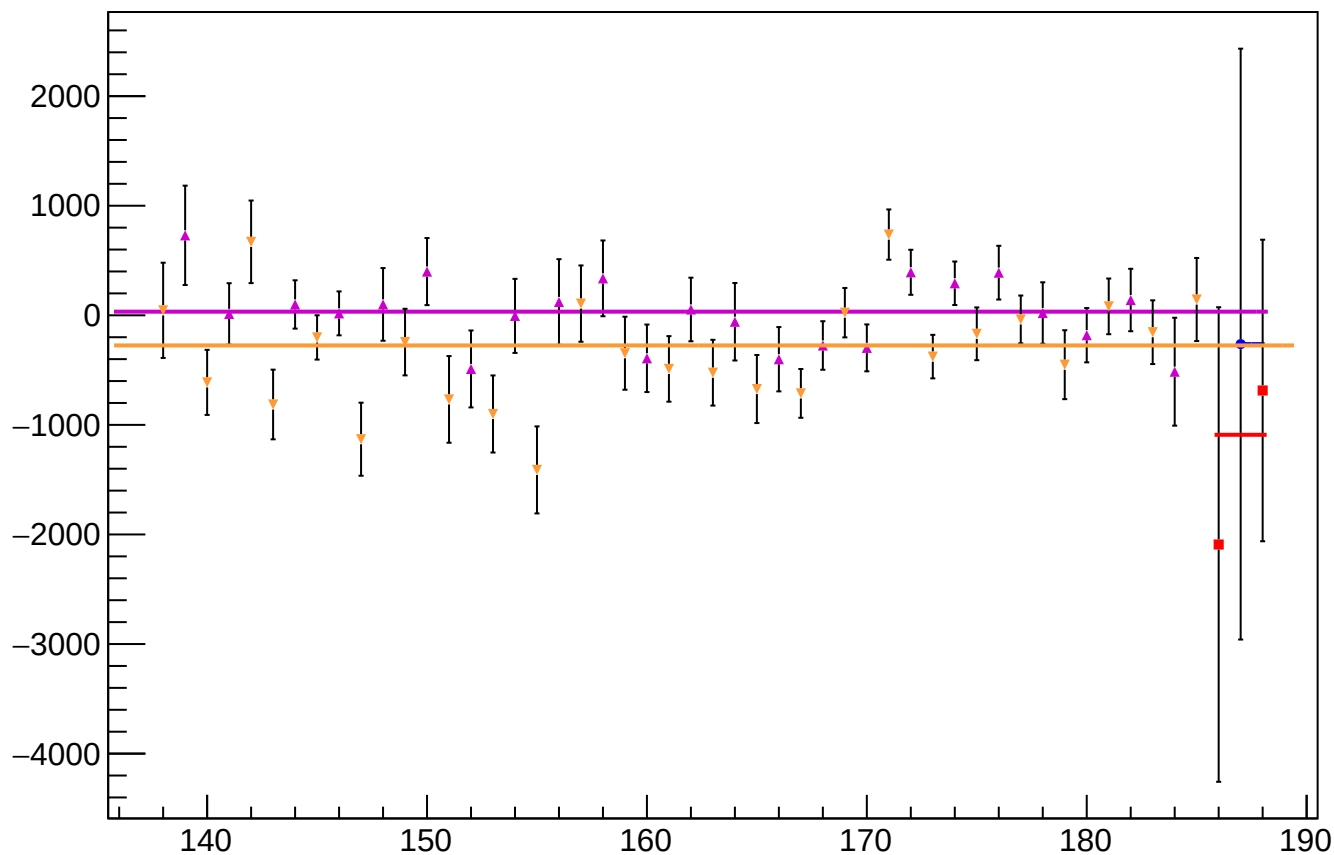
Right: 161.469 $\pm$ 0.132 χ^2 /NDF: 518747.6/2

In: 60.101 $\pm$ 0.010 χ^2 /NDF:787176.4/23

Out: 59.577 $\pm$ 0.010 χ^2 /NDF:1929991.4/26

All: 59.830 $\pm$ 0.007 χ^2 /NDF: 2718497.4/50

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: -262.808 ± 2696.059 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -274.844 ± 56.307 $\chi^2/\text{NDF}: 65.1/24$

Right Out: -1090.431 ± 1161.385 $\chi^2/\text{NDF}: 0.3/1$

Left In: 33.239 ± 56.795 $\chi^2/\text{NDF}: 24.5/22$

Left: -122.132 ± 39.986 $\chi^2/\text{NDF}: 104.4/47$

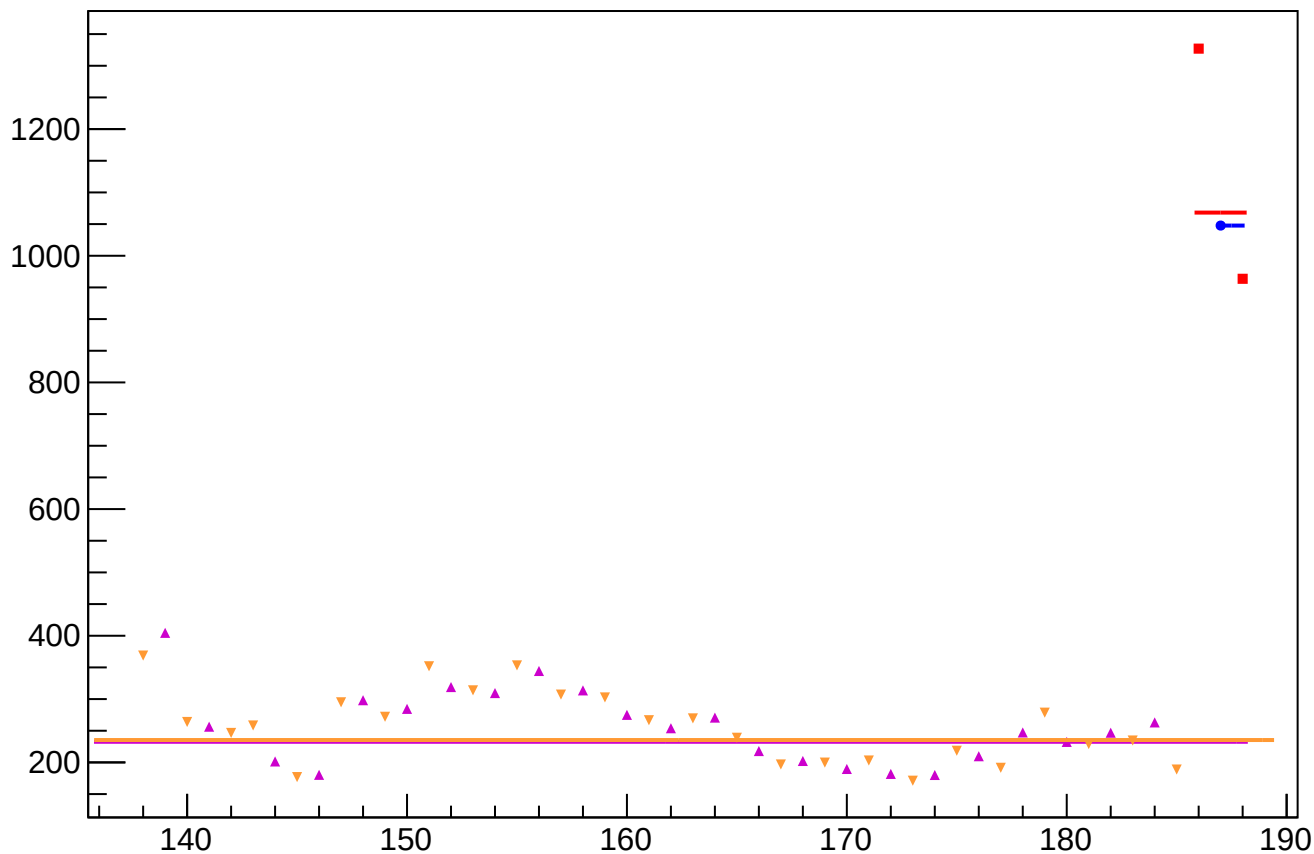
Right: -960.892 ± 1066.630 $\chi^2/\text{NDF}: 0.4/2$

In: 33.108 ± 56.782 $\chi^2/\text{NDF}: 24.5/23$

Out: -276.756 ± 56.241 $\chi^2/\text{NDF}: 65.9/26$

All: -123.309 ± 39.958 $\chi^2/\text{NDF}: 105.4/50$

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



Right In: 1047.659 $\pm$ 1.906 χ^2 /NDF: 0.0/0

Left Out: 235.327 $\pm$ 0.040 χ^2 /NDF:1661988.9/24

Right Out: 1068.162 $\pm$ 0.821 χ^2 /NDF: 40124.8/1

Left In: 232.577 $\pm$ 0.040 χ^2 /NDF:1604382.8/22

Left: 233.964 $\pm$ 0.028 χ^2 /NDF: 3268737.8/47

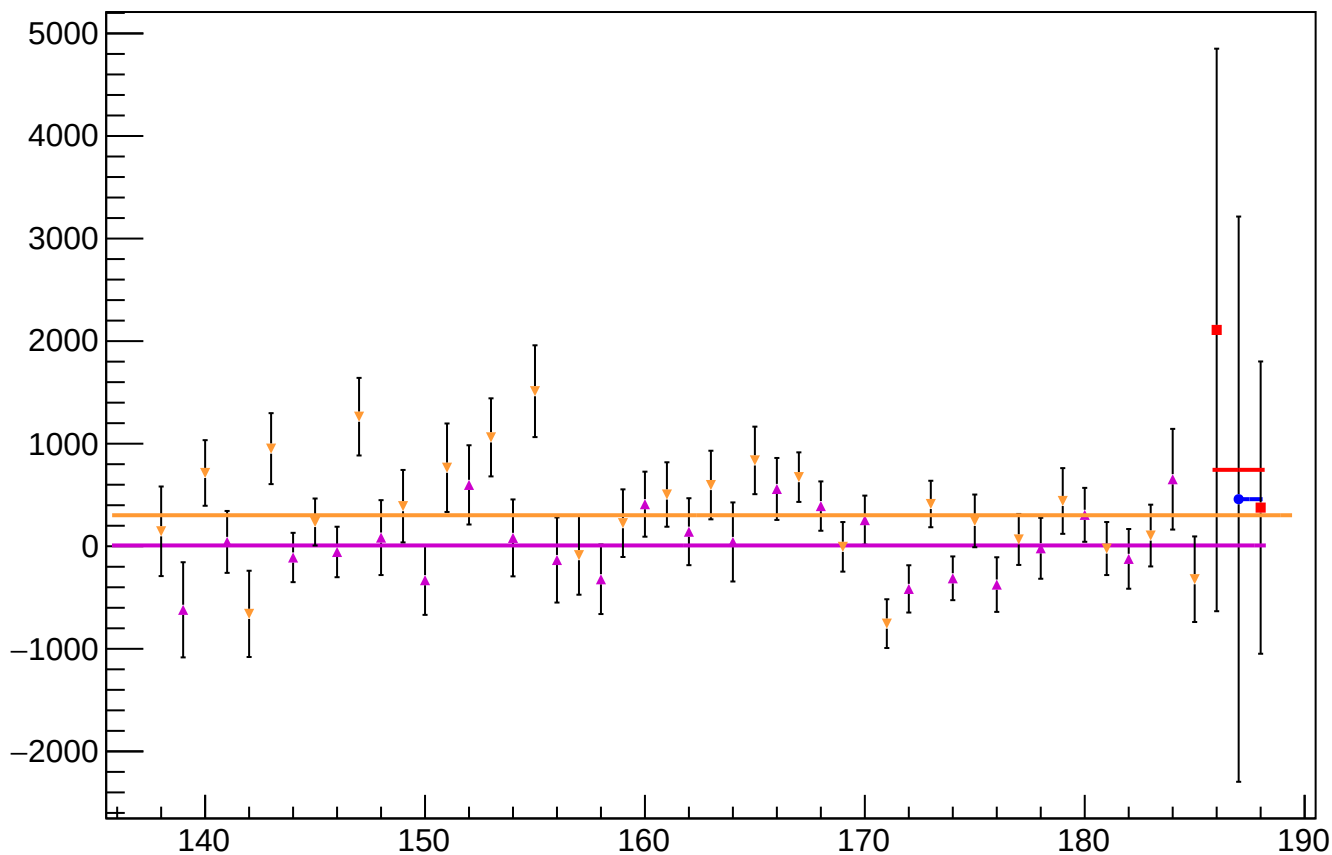
Right: 1064.953 $\pm$ 0.754 χ^2 /NDF: 40222.3/2

In: 232.938 $\pm$ 0.040 χ^2 /NDF:1787101.1/23

Out: 237.280 $\pm$ 0.040 χ^2 /NDF:2728179.7/26

All: 235.130 $\pm$ 0.028 χ^2 /NDF: 4521184.8/50

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: 745.035 $\pm$ 1264.414 χ^2 /NDF: 0.3/1

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

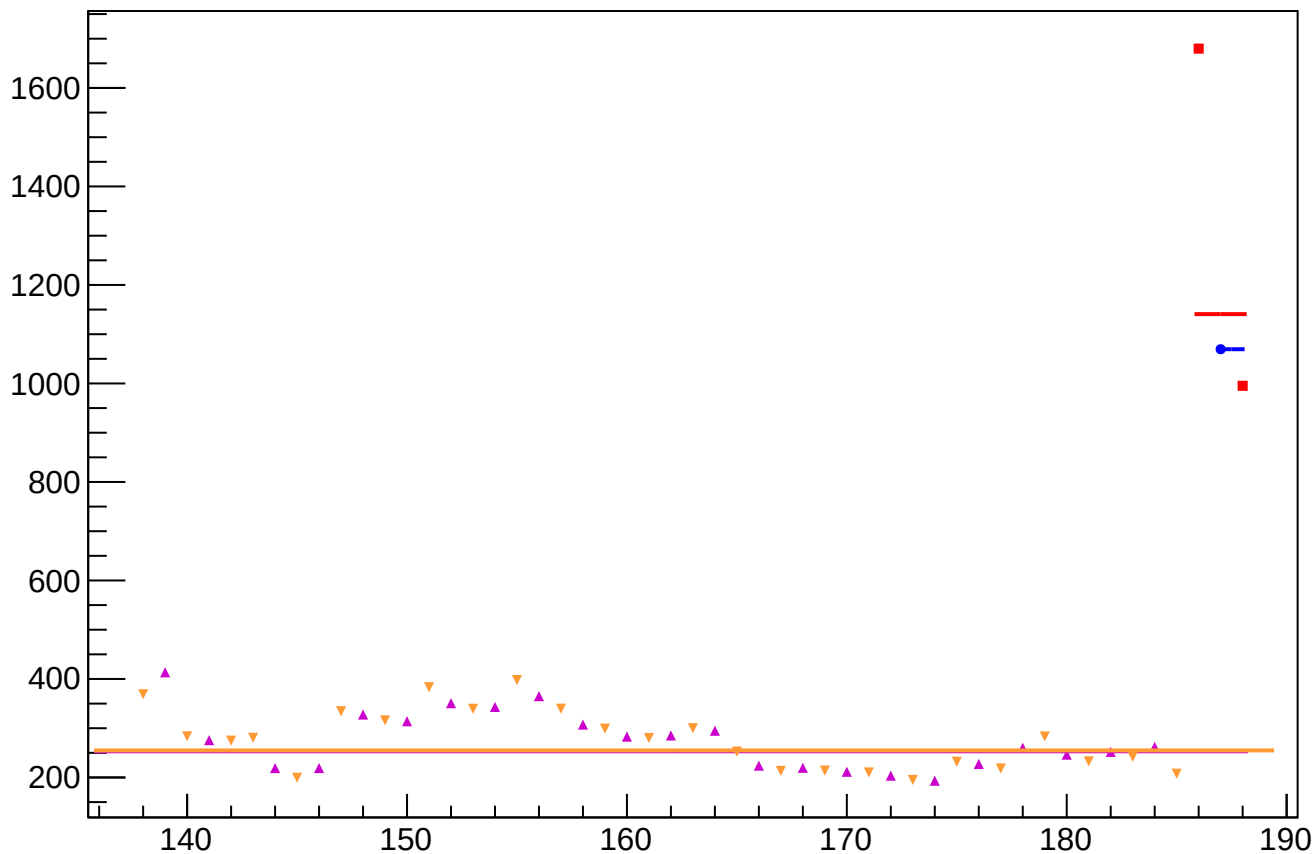
Right: 695.291 $\pm$ 1149.208 χ^2 /NDF: 0.3/2

In: 8.141 $\pm$ 61.710 χ^2 /NDF:26.3/23

Out: 303.448 $\pm$ 60.920 χ^2 /NDF:64.3/26

All: 157.697 $\pm$ 43.353 χ^2 /NDF: 102.2/50

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: 1140.764+/-0.894 χ^2/NDF : 98141.9/1

Left In: 253.170+/-0.044 χ^2/NDF :1366527.6/22

Left: 254.064+/-0.031 χ^2/NDF : 2909065.8/47

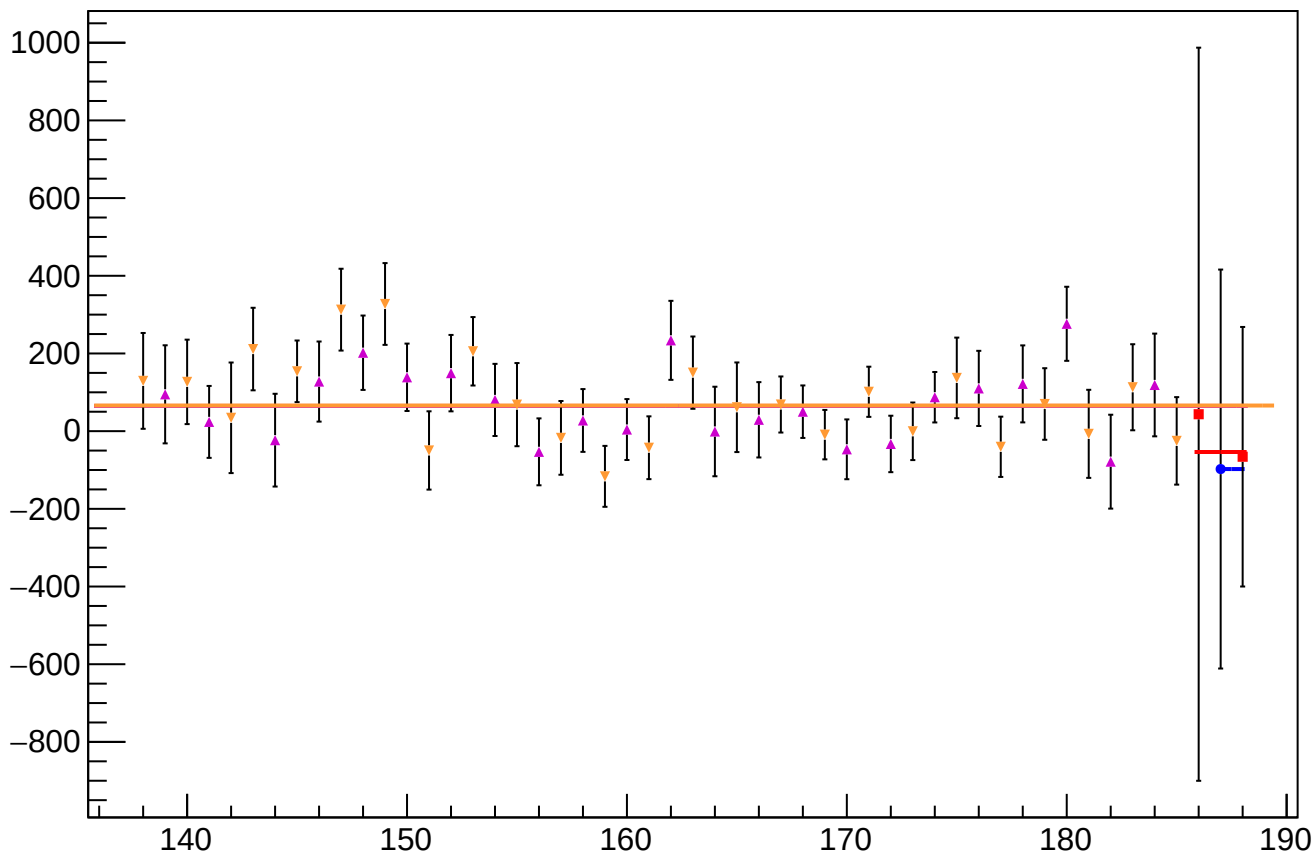
Right: 1128.372+/-0.813 χ^2/NDF : 99246.5/2

In: 253.580+/-0.044 χ^2/NDF :1541966.5/23

Out: 256.994+/-0.043 χ^2/NDF :2619204.0/26

All: 255.309+/-0.031 χ^2/NDF : 4164271.0/50

dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: -97.559 $\pm$ 513.559 χ^2 /NDF: 0.0/0

Left Out: 65.969 $\pm$ 18.151 χ^2 /NDF:34.1/24

Right Out: -53.662 $\pm$ 314.950 χ^2 /NDF: 0.0/1

Left In: 64.899 $\pm$ 18.925 χ^2 /NDF:21.7/22

Left: 65.457 $\pm$ 13.099 χ^2 /NDF: 55.9/47

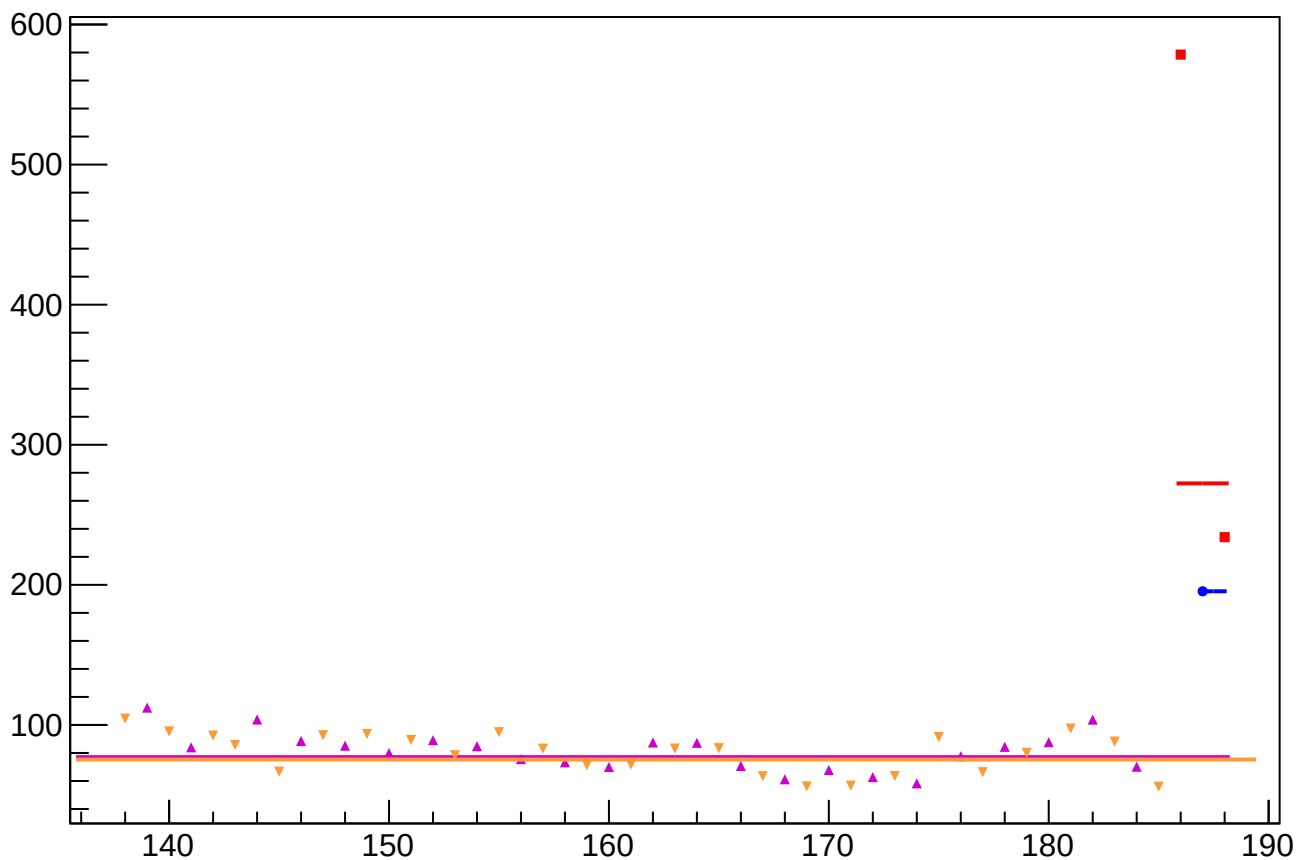
Right: -65.660 $\pm$ 268.483 χ^2 /NDF: 0.0/2

In: 64.679 $\pm$ 18.912 χ^2 /NDF:21.8/23

Out: 65.573 $\pm$ 18.120 χ^2 /NDF:34.3/26

All: 65.145 $\pm$ 13.084 χ^2 /NDF: 56.1/50

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 195.410 $\pm$ 0.363 χ^2 /NDF: 0.0/0

Left Out: 75.312 $\pm$ 0.013 χ^2 /NDF:1216847.1/24

Right Out: 272.435 $\pm$ 0.223 χ^2 /NDF: 236757.5/1

Left In: 77.021 $\pm$ 0.013 χ^2 /NDF:941637.3/22

Left: 76.131 $\pm$ 0.009 χ^2 /NDF: 2166986.5/47

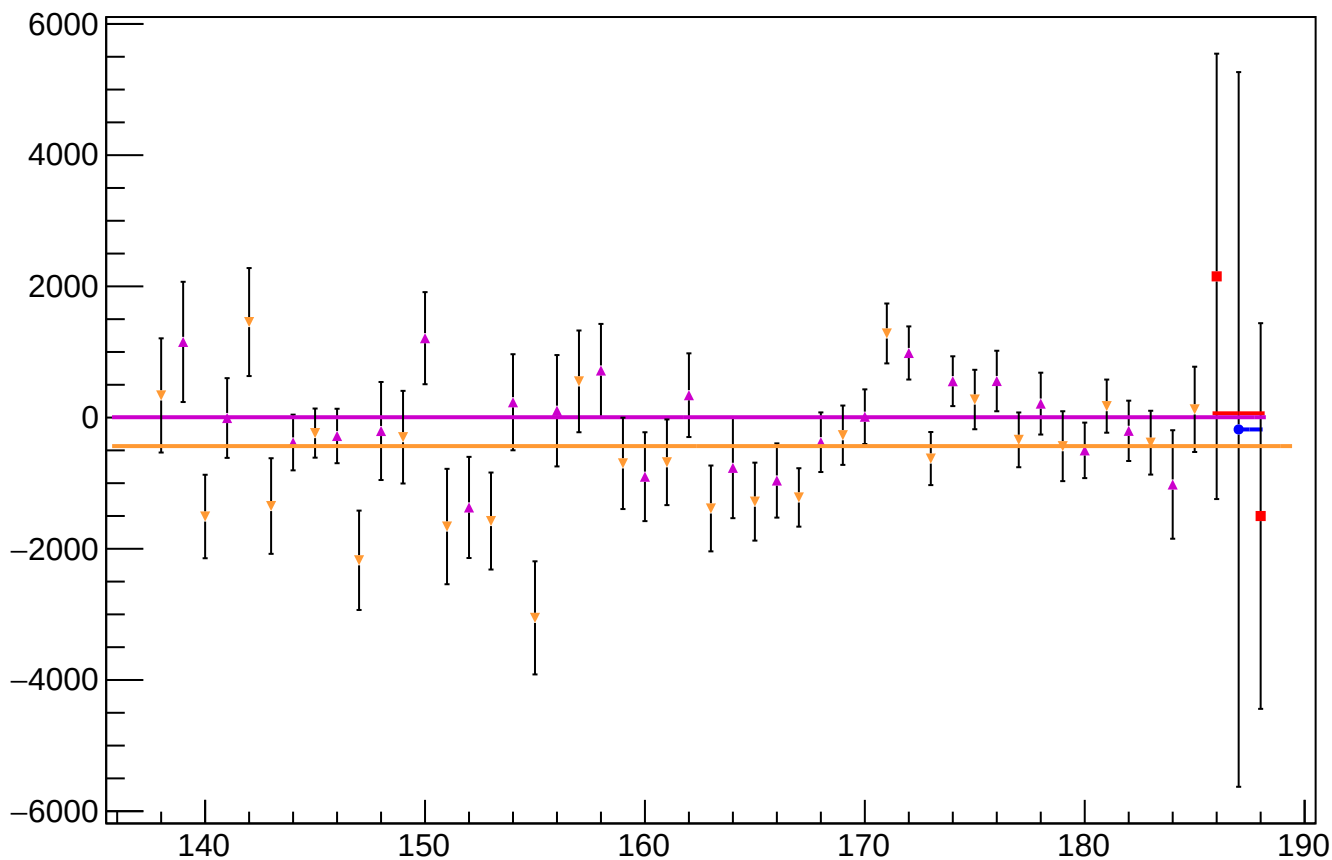
Right: 251.383 $\pm$ 0.190 χ^2 /NDF: 269451.0/2

In: 77.182 $\pm$ 0.013 χ^2 /NDF:1047777.1/23

Out: 75.964 $\pm$ 0.013 χ^2 /NDF:2234479.0/26

All: 76.547 $\pm$ 0.009 χ^2 /NDF: 3286579.0/50

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



Right In: -180.936+/-5447.242 χ^2/NDF : 0.0/0

Left Out: -434.815+/-110.841 χ^2/NDF : 58.8/24

Right Out: 64.774+/-2222.159 χ^2/NDF : 0.7/1

Left In: 5.353+/-111.755 χ^2/NDF : 29.6/22

Left: -216.539+/-78.698 χ^2/NDF : 96.2/47

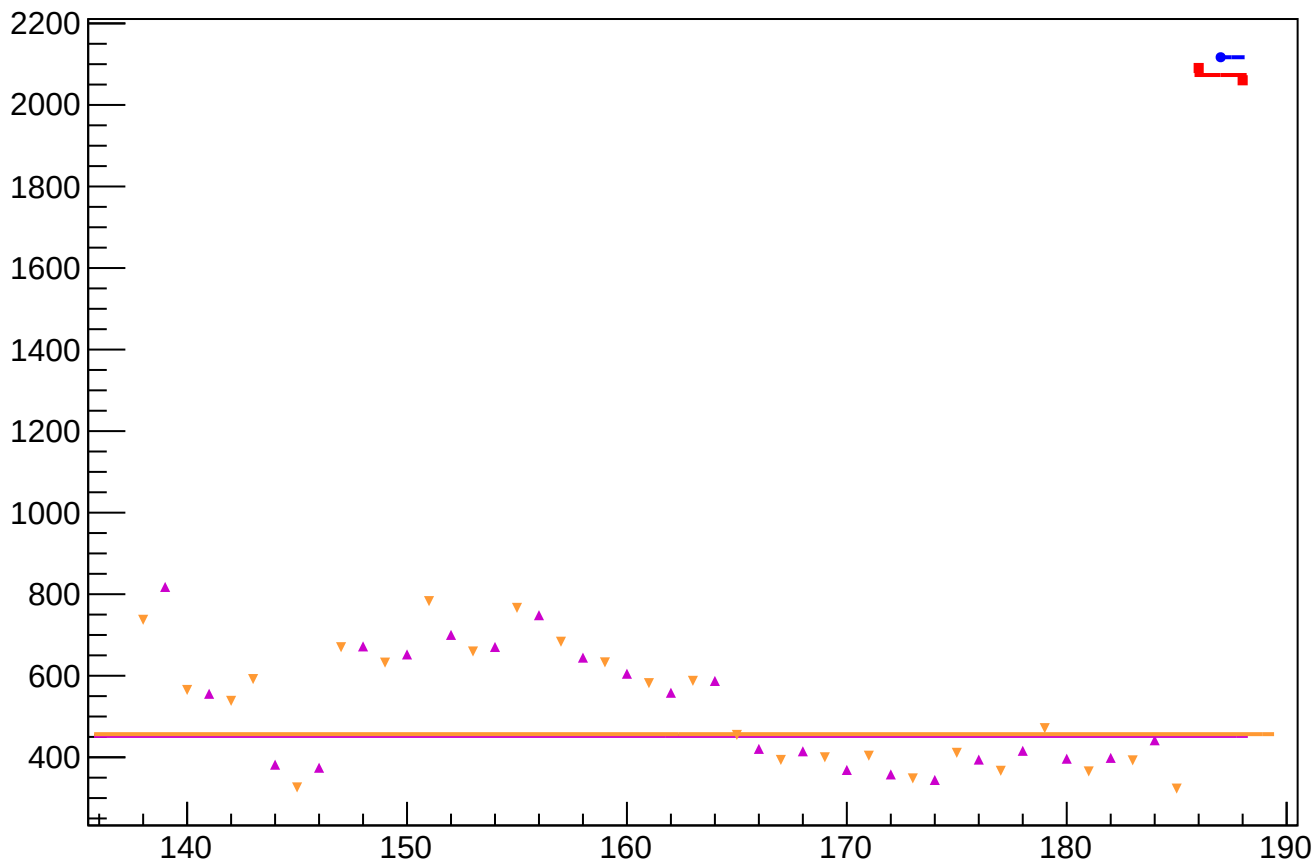
Right: 29.718+/-2057.540 χ^2/NDF : 0.7/2

In: 5.274+/-111.732 χ^2/NDF : 29.6/23

Out: -433.576+/-110.703 χ^2/NDF : 59.5/26

All: -216.179+/-78.640 χ^2/NDF : 96.9/50

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



Right In: 2117.004 $\pm$ 3.852 χ^2 /NDF: 0.0/0

Left Out: 456.743 $\pm$ 0.078 χ^2 /NDF:2593665.9/24

Right Out: 2073.406 $\pm$ 1.571 χ^2 /NDF: 89.9/1

Left In: 452.439 $\pm$ 0.079 χ^2 /NDF:2305796.6/22

Left: 454.609 $\pm$ 0.056 χ^2 /NDF: 4900958.0/47

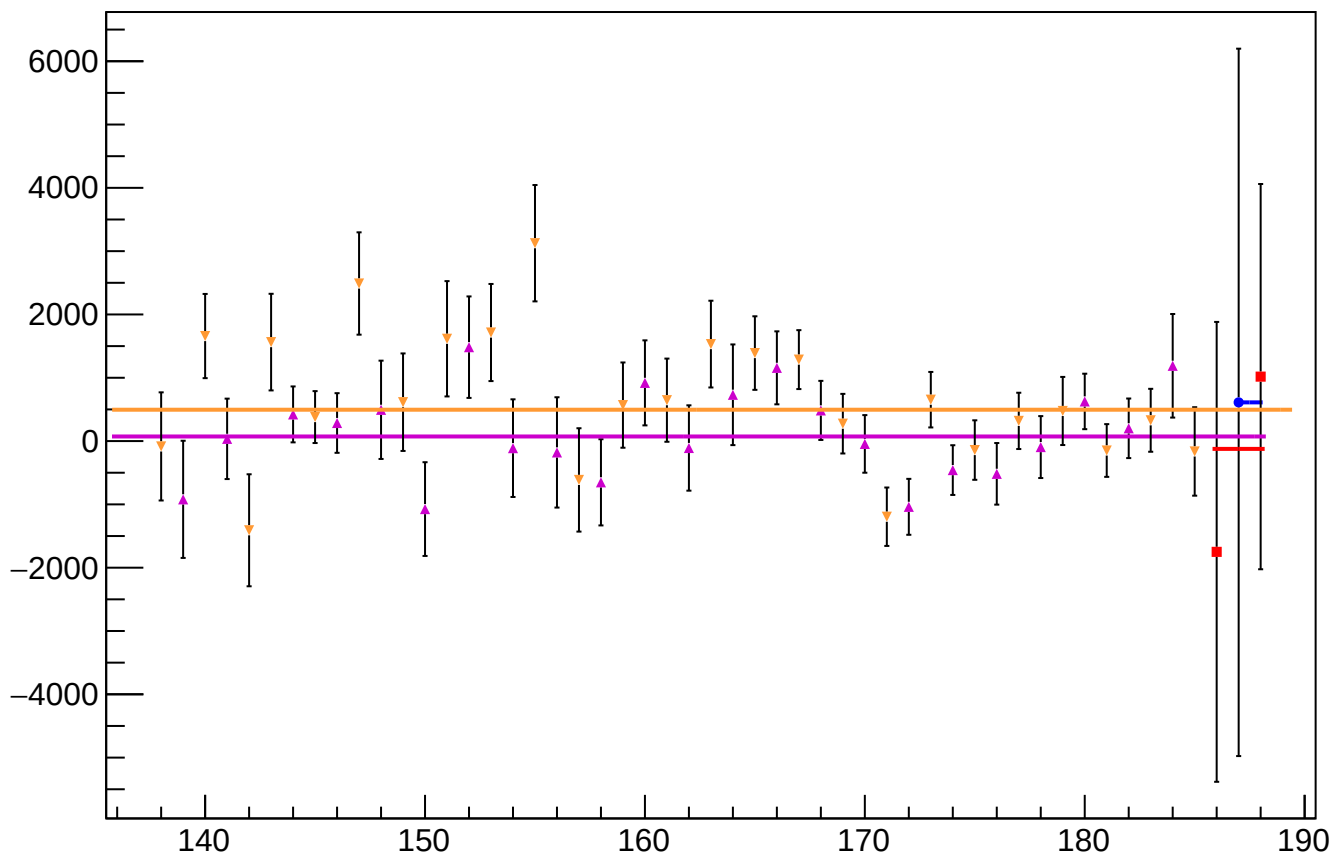
Right: 2079.627 $\pm$ 1.455 χ^2 /NDF: 199.8/2

In: 453.139 $\pm$ 0.079 χ^2 /NDF:2492475.7/23

Out: 460.755 $\pm$ 0.078 χ^2 /NDF:3649697.2/26

All: 456.983 $\pm$ 0.056 χ^2 /NDF: 6146862.2/50

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: -123.560+/-2332.444 χ^2/NDF : 0.3/1

Left In: 72.627+/-116.927 χ^2/NDF : 29.1/22

Left: 286.499+/-82.178 χ^2/NDF : 92.8/47

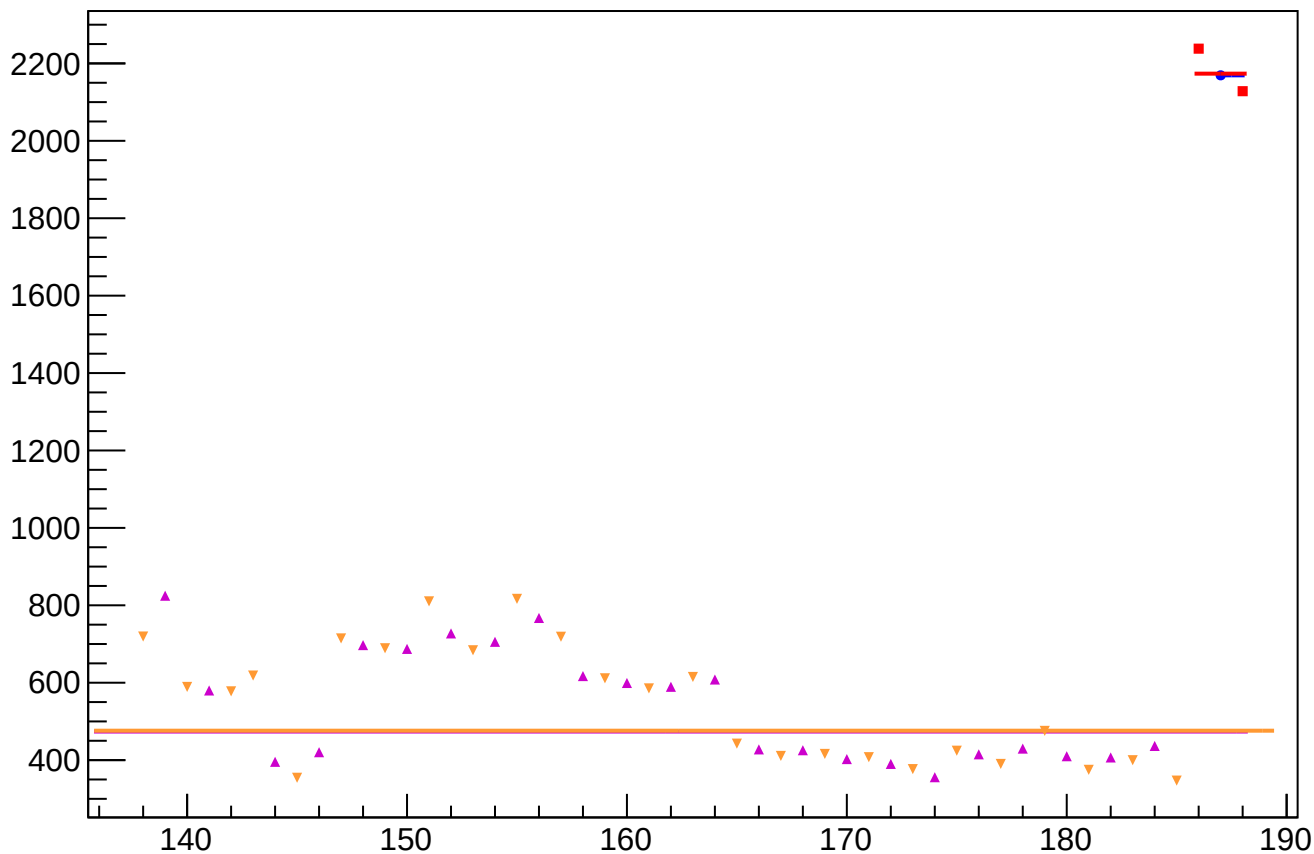
Right: -14.491+/-2152.408 χ^2/NDF : 0.4/2

In: 72.863+/-116.902 χ^2/NDF : 29.1/23

Out: 493.745+/-115.380 χ^2/NDF : 57.6/26

All: 286.061+/-82.119 χ^2/NDF : 93.2/50

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: 2173.532+/-1.649 χ^2/NDF : 1075.6/1

Left In: 473.824+/-0.083 χ^2/NDF : 2113753.1/22

Left: 474.954+/-0.058 χ^2/NDF : 4575960.9/47

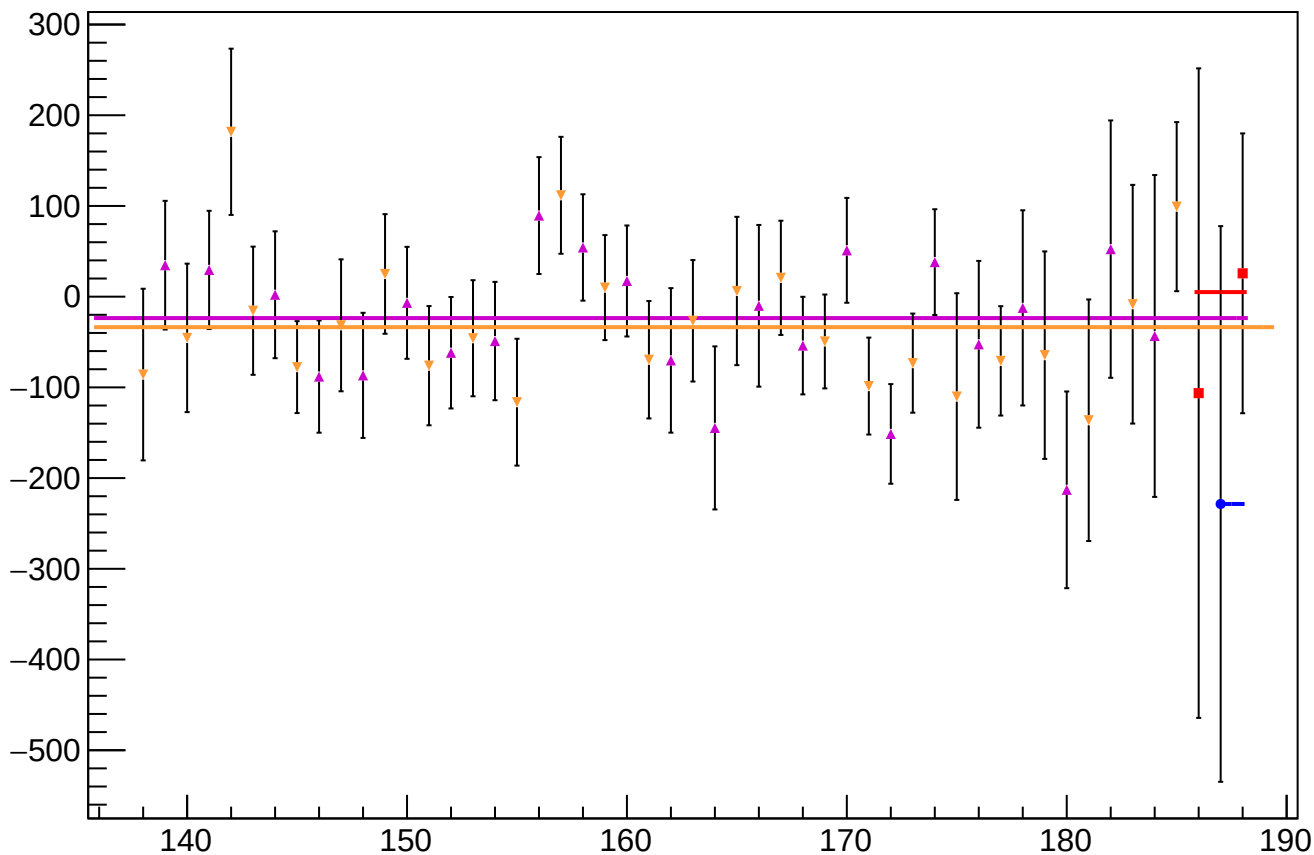
Right: 2172.890+/-1.522 χ^2/NDF : 1076.6/2

In: 474.566+/-0.083 χ^2/NDF : 2297835.2/23

Out: 480.211+/-0.082 χ^2/NDF : 3519610.8/26

All: 477.425+/-0.058 χ^2/NDF : 5819808.1/50

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -228.525 $\pm$ 306.271 χ^2 /NDF: 0.0/0

Left Out: -33.628 $\pm$ 13.882 χ^2 /NDF:21.9/24

Right Out: 5.059 $\pm$ 141.650 χ^2 /NDF: 0.1/1

Left In: -23.597 $\pm$ 14.554 χ^2 /NDF:23.5/22

Left: -28.850 $\pm$ 10.045 χ^2 /NDF: 45.6/47

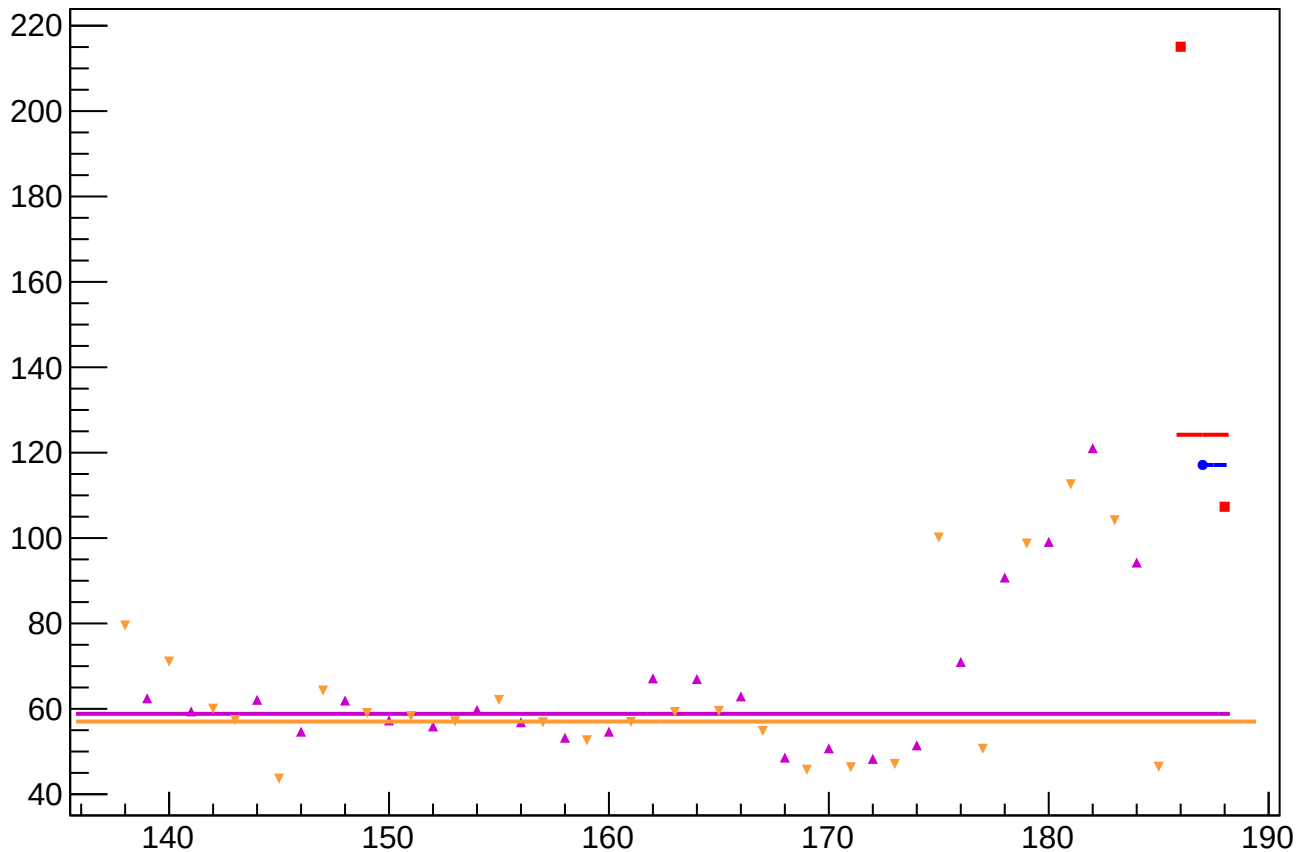
Right: -36.101 $\pm$ 128.565 χ^2 /NDF: 0.6/2

In: -24.059 $\pm$ 14.538 χ^2 /NDF:23.9/23

Out: -33.260 $\pm$ 13.816 χ^2 /NDF:22.1/26

All: -28.894 $\pm$ 10.015 χ^2 /NDF: 46.2/50

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 117.117 $\pm$ 0.217 χ^2 /NDF: 0.0/0

Left Out: 57.026 $\pm$ 0.010 χ^2 /NDF:1811574.8/24

Right Out: 124.197 $\pm$ 0.100 χ^2 /NDF: 152766.4/1

Left In: 58.829 $\pm$ 0.010 χ^2 /NDF:1270108.1/22

Left: 57.885 $\pm$ 0.007 χ^2 /NDF: 3097764.9/47

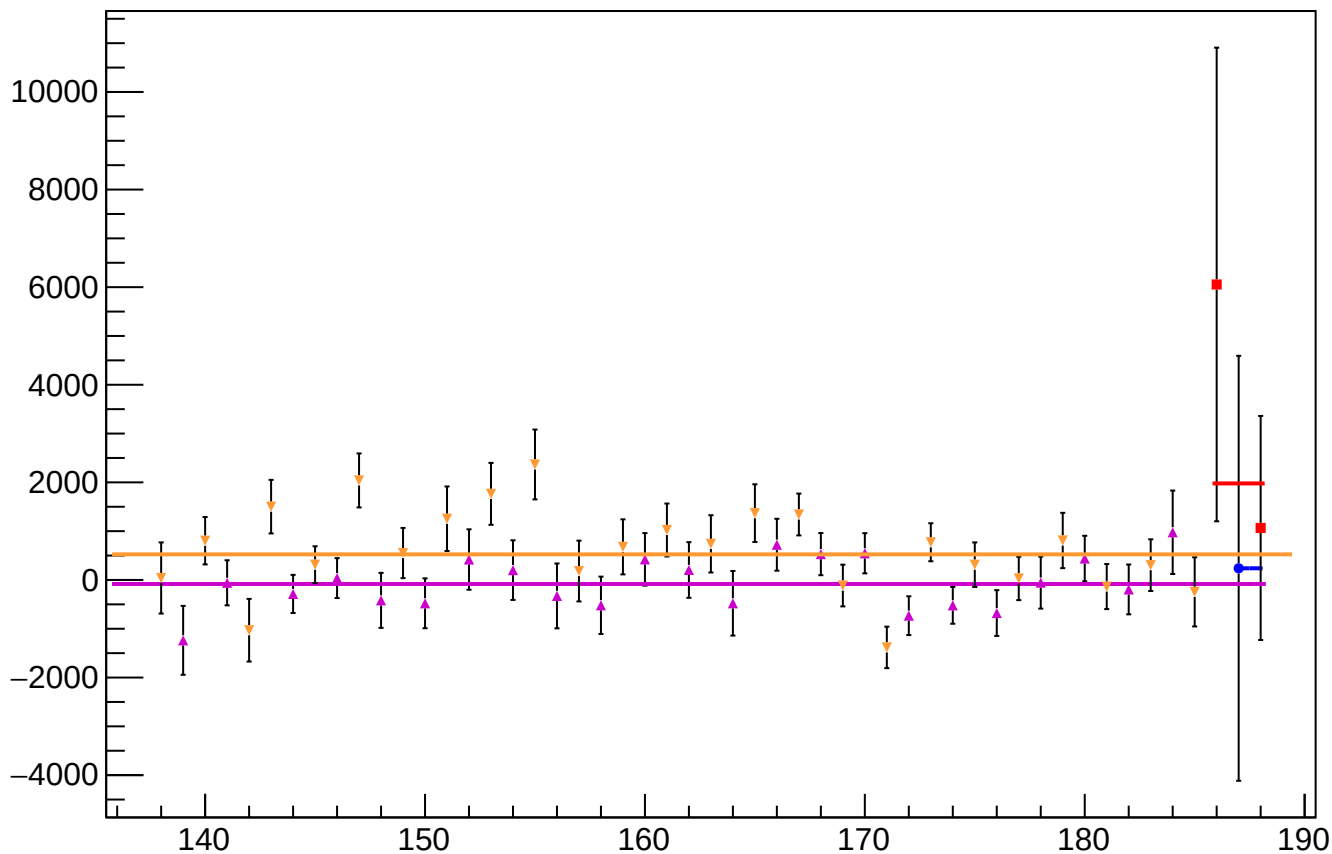
Right: 122.949 $\pm$ 0.091 χ^2 /NDF: 153646.8/2

In: 58.960 $\pm$ 0.010 χ^2 /NDF:1342383.7/23

Out: 57.665 $\pm$ 0.010 χ^2 /NDF:2409803.4/26

All: 58.280 $\pm$ 0.007 χ^2 /NDF: 3760537.1/50

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 238.927 ± 4354.758 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 524.503 ± 103.237 $\chi^2/\text{NDF}: 64.2/24$

Right Out: 1977.832 ± 2075.230 $\chi^2/\text{NDF}: 0.9/1$

Left In: -82.501 ± 104.550 $\chi^2/\text{NDF}: 22.1/22$

Left: 224.835 ± 73.459 $\chi^2/\text{NDF}: 103.4/47$

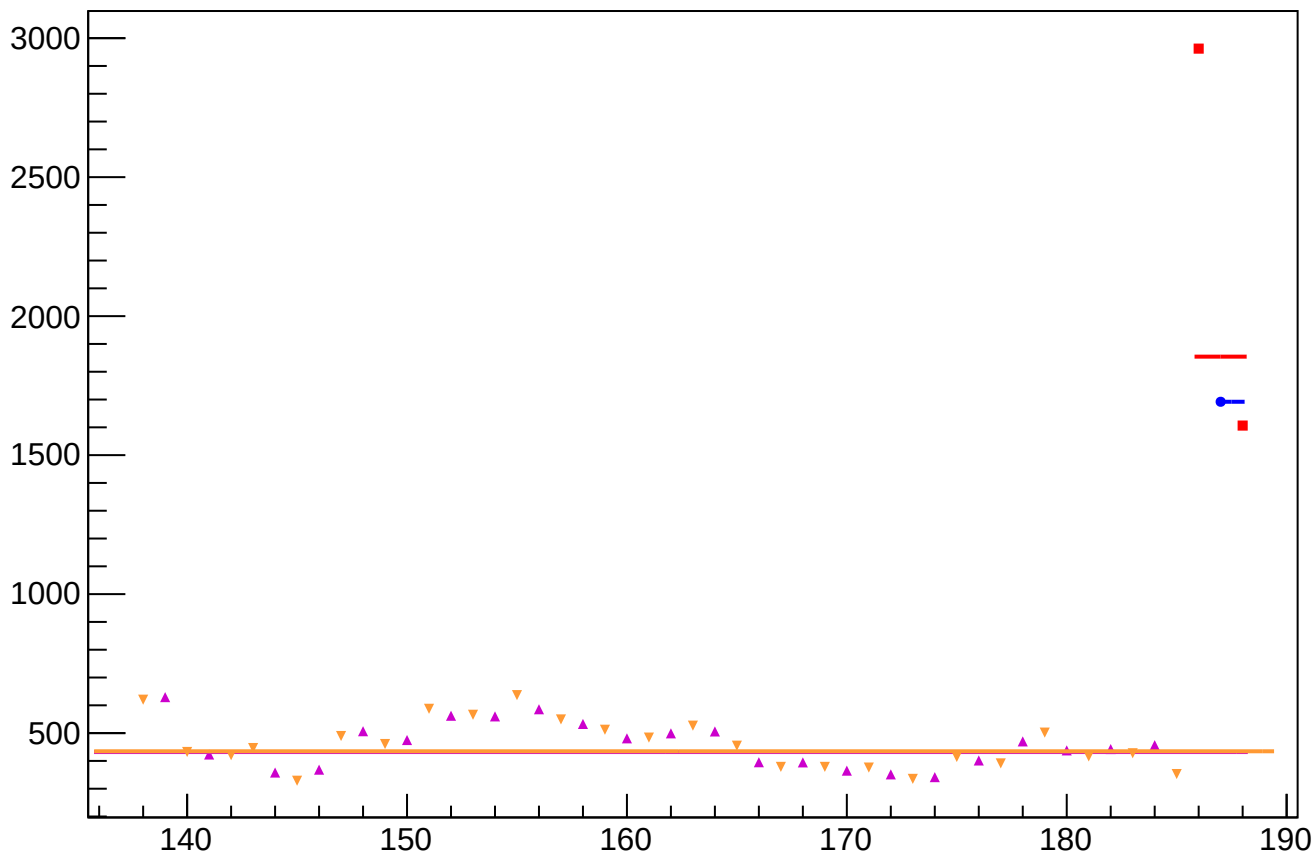
Right: 1656.019 ± 1873.386 $\chi^2/\text{NDF}: 1.0/2$

In: -82.316 ± 104.519 $\chi^2/\text{NDF}: 22.1/23$

Out: 528.091 ± 103.109 $\chi^2/\text{NDF}: 65.5/26$

All: 227.032 ± 73.403 $\chi^2/\text{NDF}: 105.0/50$

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1691.978 $\pm$ 3.079 χ^2 /NDF: 0.0/0

Left Out: 434.656 $\pm$ 0.073 χ^2 /NDF:1158526.1/24

Right Out: 1854.313 $\pm$ 1.467 χ^2 /NDF: 127600.1/1

Left In: 431.889 $\pm$ 0.074 χ^2 /NDF:1034822.9/22

Left: 433.290 $\pm$ 0.052 χ^2 /NDF: 2194058.1/47

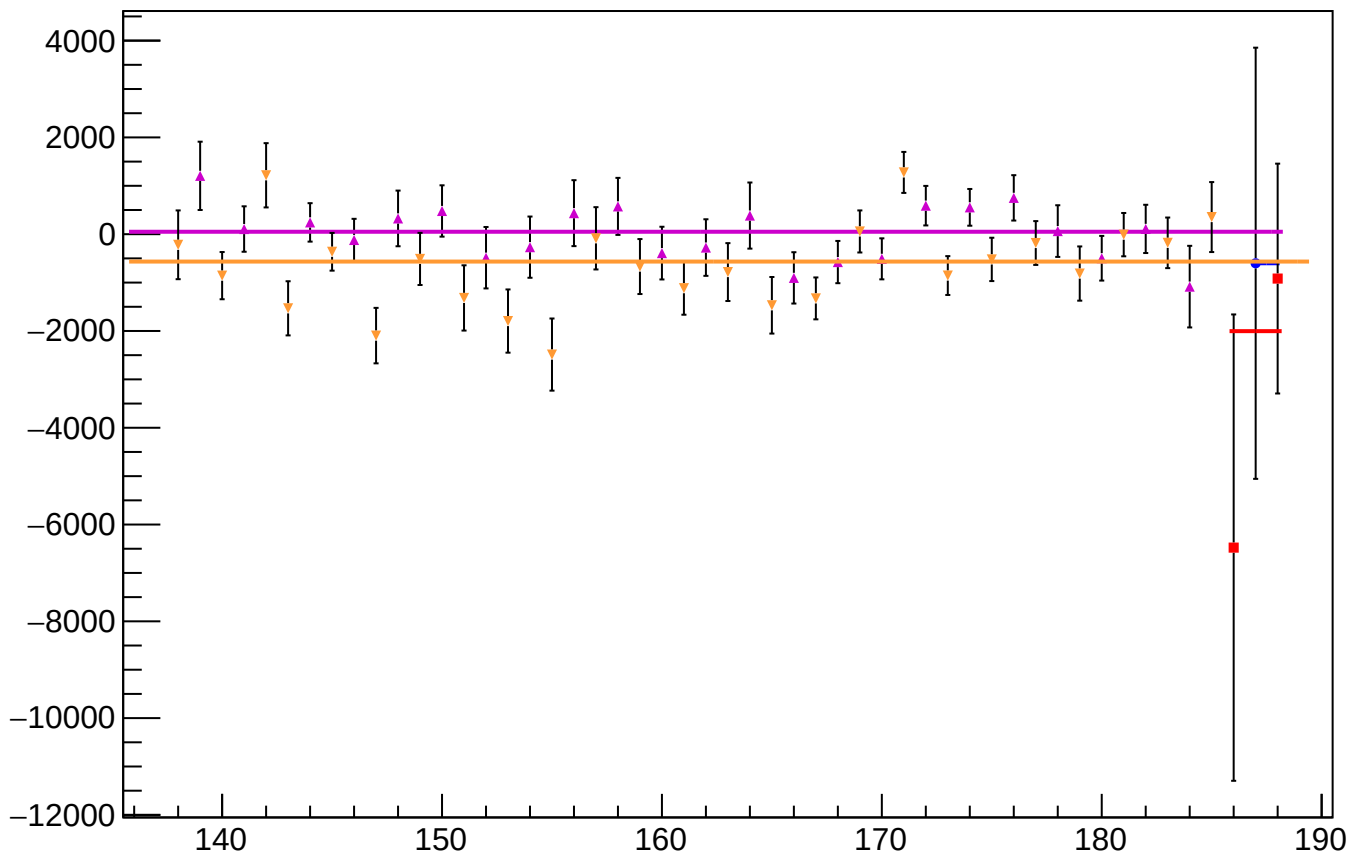
Right: 1824.270 $\pm$ 1.325 χ^2 /NDF: 129865.0/2

In: 432.615 $\pm$ 0.074 χ^2 /NDF:1202183.6/23

Out: 438.161 $\pm$ 0.073 χ^2 /NDF:2219790.4/26

All: 435.426 $\pm$ 0.052 χ^2 /NDF: 3424827.3/50

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: -2003.544 $\pm$ 2130.101 χ^2 /NDF: 1.1/1

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

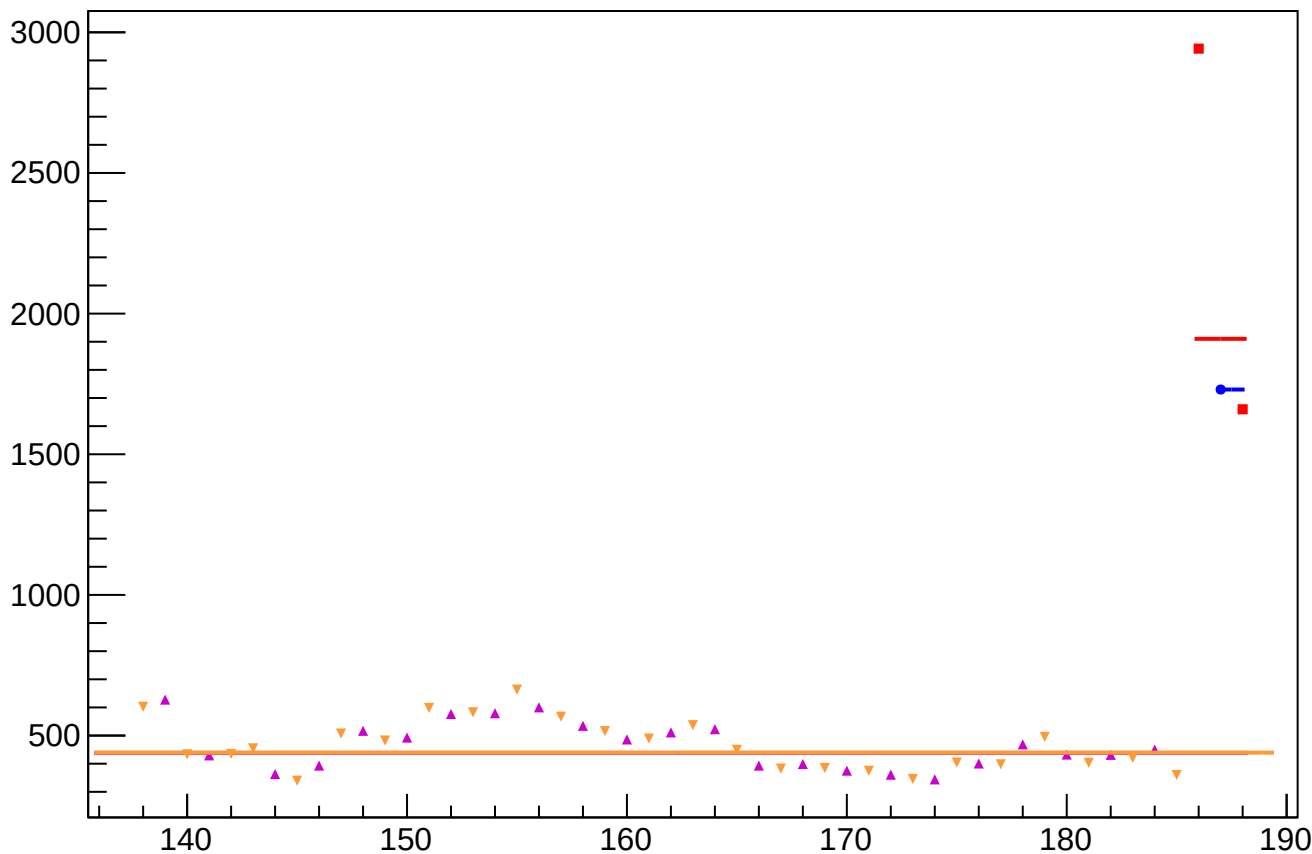
Right: -1742.537 $\pm$ 1921.742 χ^2 /NDF: 1.2/2

In: 50.018 $\pm$ 106.188 χ^2 /NDF:23.3/23

Out: -568.995 $\pm$ 104.335 χ^2 /NDF:64.5/26

All: -264.936 $\pm$ 74.422 χ^2 /NDF: 105.0/50

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: 1910.414+/-1.506 χ^2/NDF : 113932.0/1

Left In: 438.365+/-0.075 χ^2/NDF :1024661.1/22

Left: 438.847+/-0.053 χ^2/NDF : 2188773.6/47

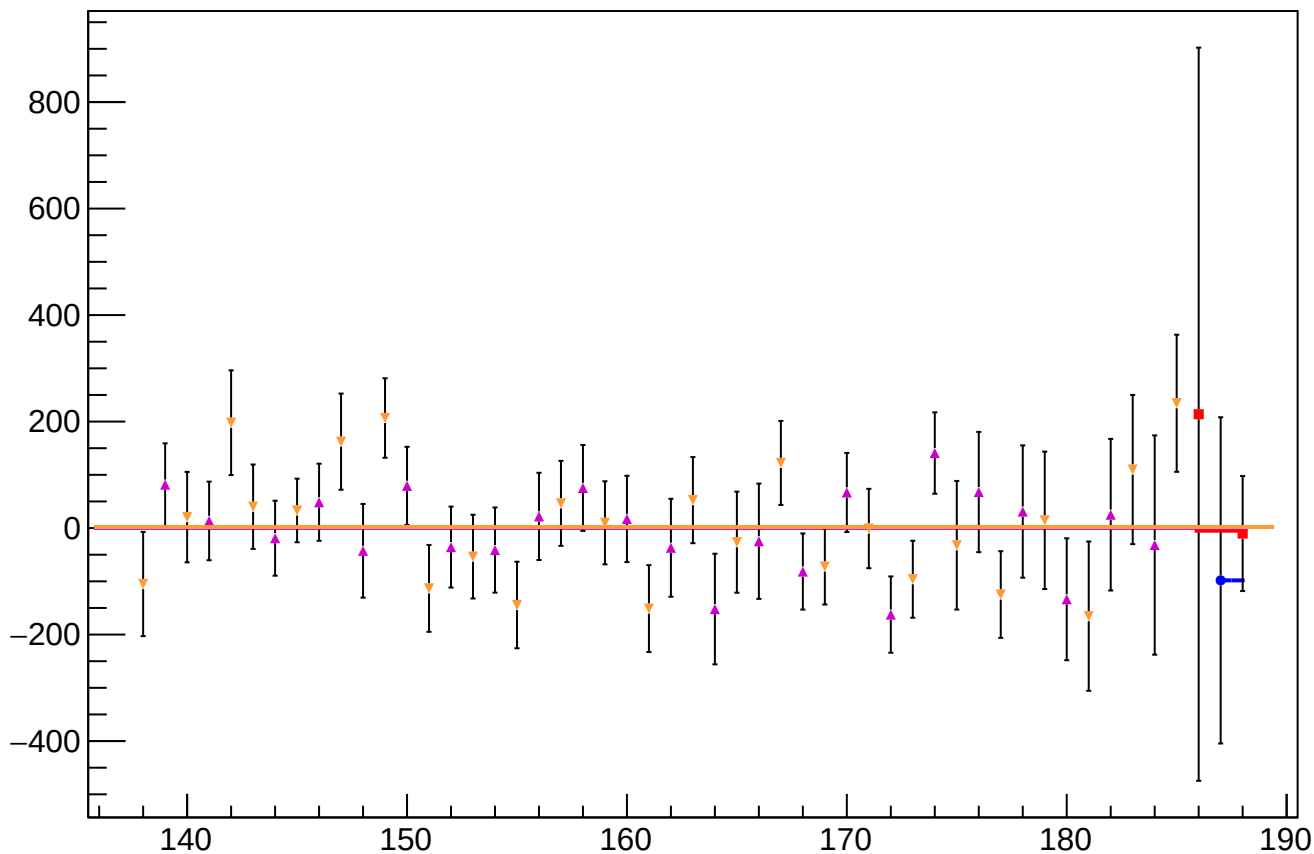
Right: 1876.868+/-1.359 χ^2/NDF : 116597.8/2

In: 439.099+/-0.075 χ^2/NDF :1192703.9/23

Out: 442.843+/-0.074 χ^2/NDF :2229599.8/26

All: 441.004+/-0.053 χ^2/NDF : 3423569.2/50

dit_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -98.203 ± 306.331 χ^2/NDF : 0.0/0

Left Out: 1.968 ± 17.008 χ^2/NDF : 39.5/24

Right Out: -4.883 ± 106.681 χ^2/NDF : 0.1/1

Left In: 0.361 ± 17.751 χ^2/NDF : 19.4/22

Left: 1.199 ± 12.281 χ^2/NDF : 58.9/47

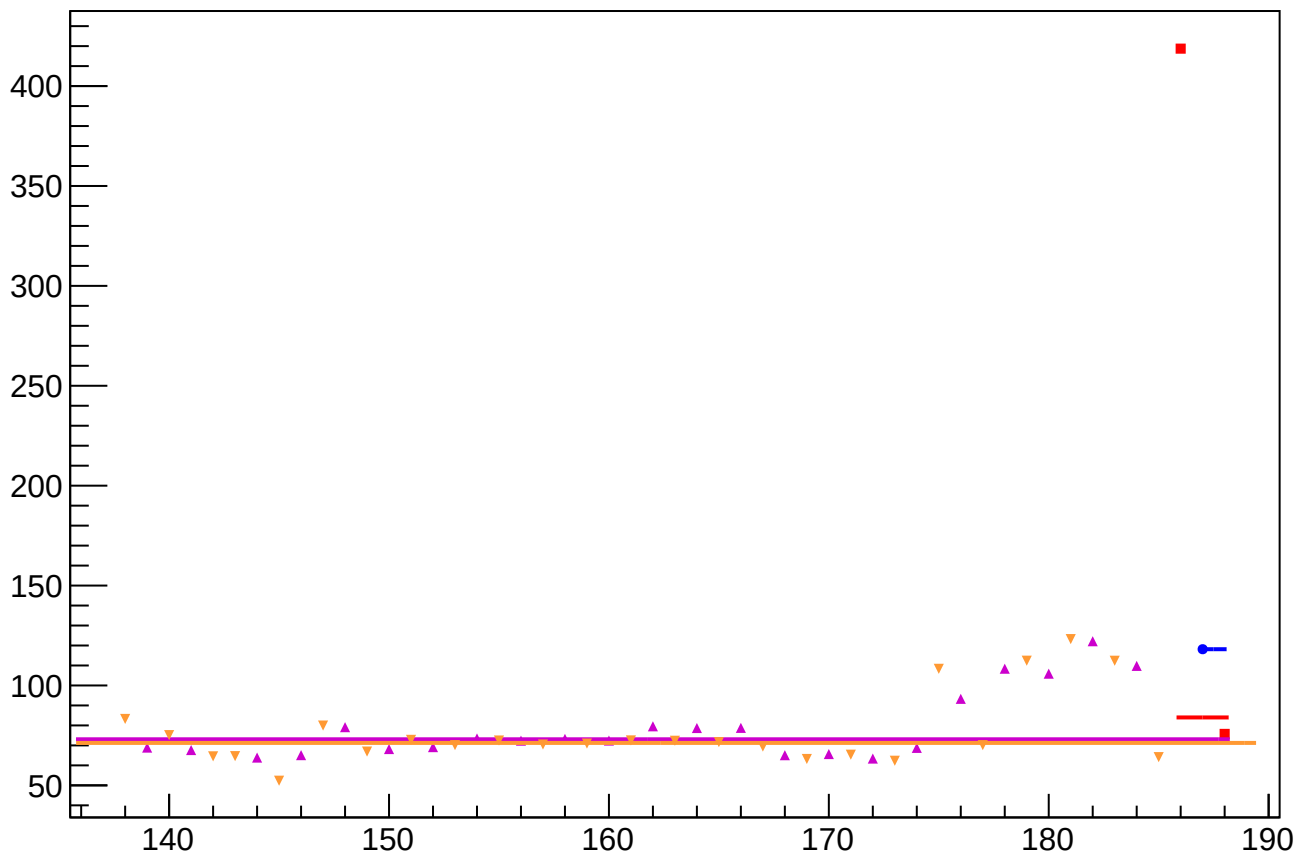
Right: -14.977 ± 100.746 χ^2/NDF : 0.2/2

In: 0.031 ± 17.721 χ^2/NDF : 19.5/23

Out: 1.798 ± 16.796 χ^2/NDF : 39.6/26

All: 0.962 ± 12.190 χ^2/NDF : 59.1/50

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 118.145+/-0.217 χ^2/NDF : 0.0/0

Left Out: 71.245+/-0.012 χ^2/NDF : 1200712.1/24

Right Out: 83.991+/-0.075 χ^2/NDF : 484554.0/1

Left In: 73.060+/-0.013 χ^2/NDF : 899002.7/22

Left: 72.113+/-0.009 χ^2/NDF : 2110613.8/47

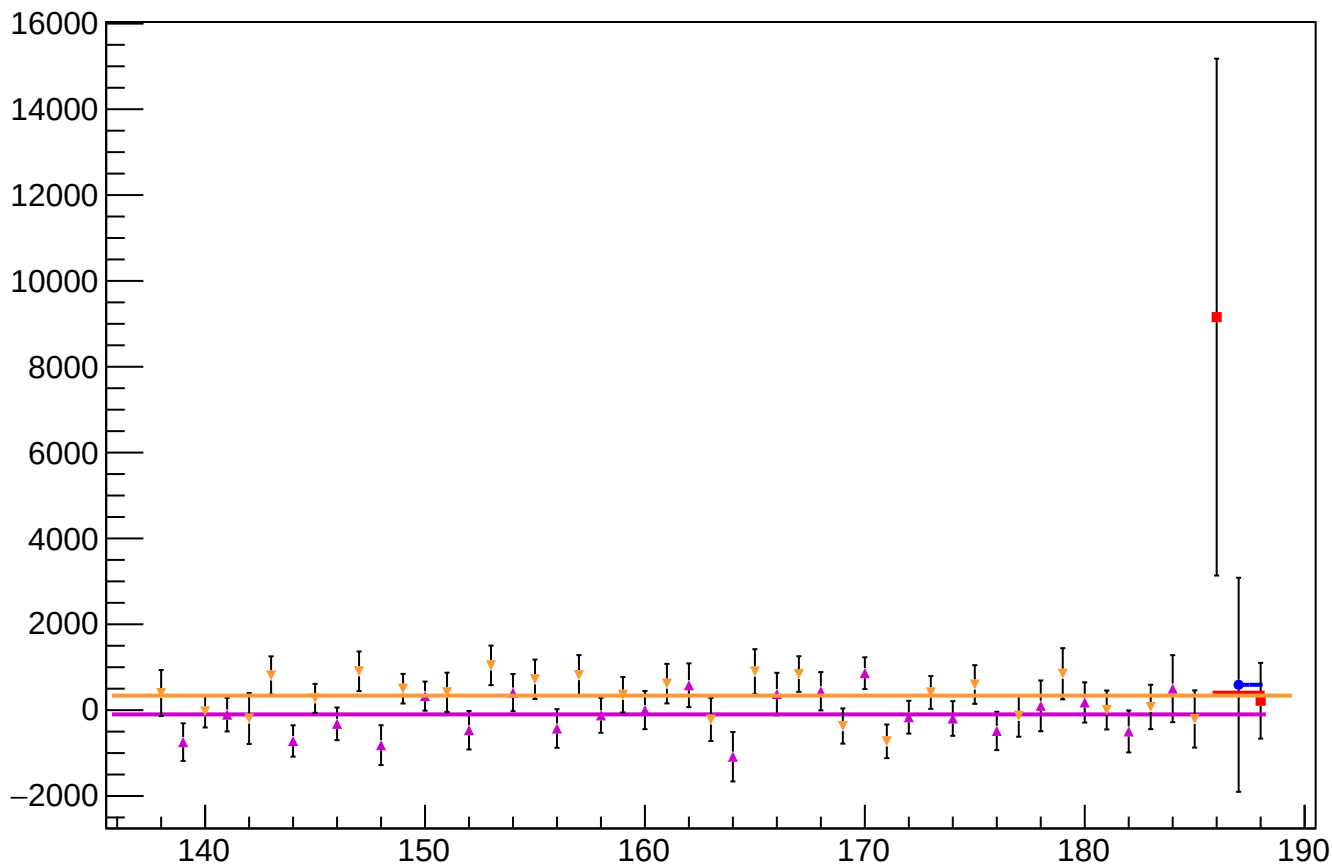
Right: 87.685+/-0.071 χ^2/NDF : 506726.0/2

In: 73.210+/-0.013 χ^2/NDF : 942180.2/23

Out: 71.561+/-0.012 χ^2/NDF : 1713109.8/26

All: 72.341+/-0.009 χ^2/NDF : 2664420.6/50

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 590.770 $\pm$ 2493.088 χ^2 /NDF: 0.0/0

Left Out: 339.093 $\pm$ 89.261 χ^2 /NDF:26.9/24

Right Out: 407.342 $\pm$ 873.433 χ^2 /NDF: 2.2/1

Left In: -99.003 $\pm$ 91.148 χ^2 /NDF:28.4/22

Left: 124.626 $\pm$ 63.774 χ^2 /NDF: 67.1/47

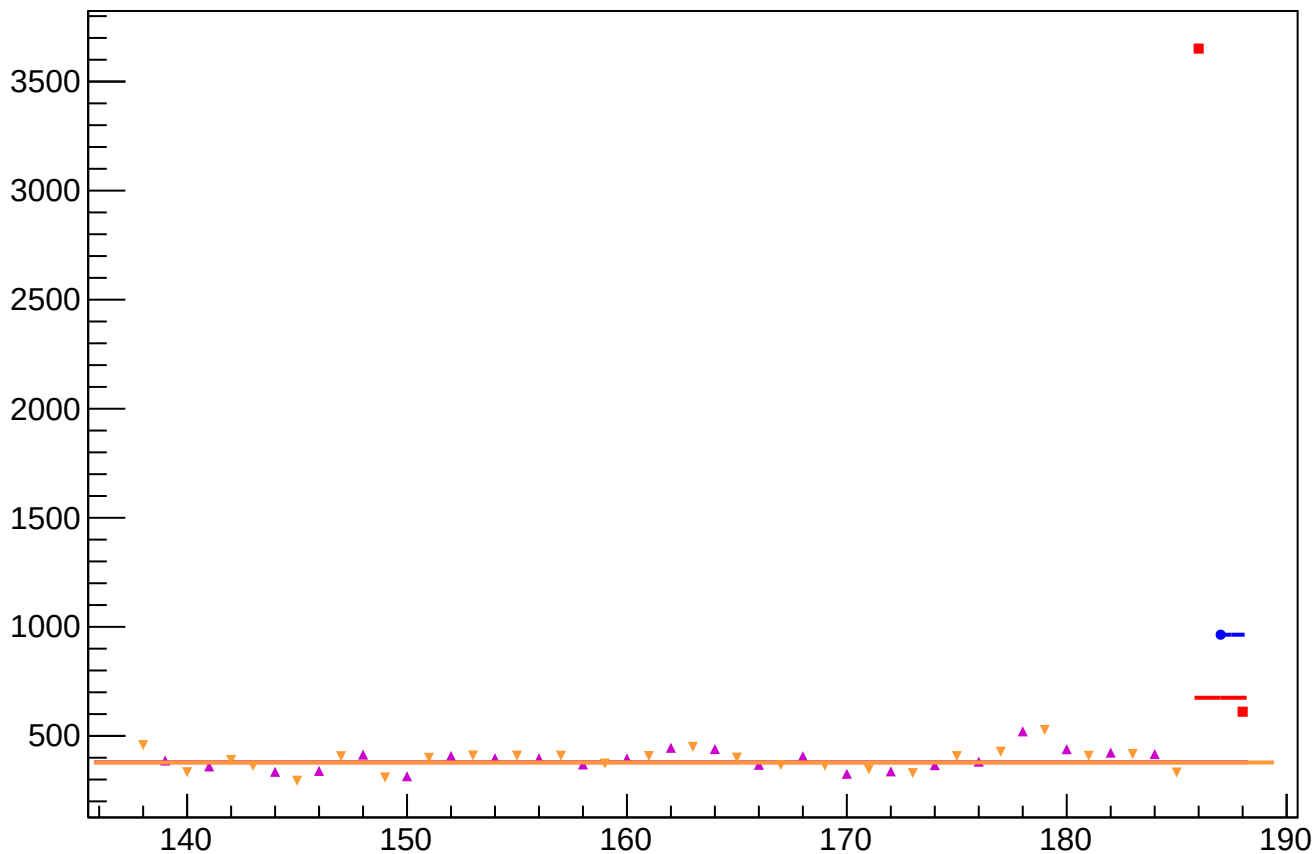
Right: 427.394 $\pm$ 824.309 χ^2 /NDF: 2.2/2

In: -98.082 $\pm$ 91.087 χ^2 /NDF:28.5/23

Out: 339.798 $\pm$ 88.799 χ^2 /NDF:29.0/26

All: 126.427 $\pm$ 63.584 χ^2 /NDF: 69.3/50

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 964.016+/-1.763 χ^2/NDF : 0.0/0

Left Out: 378.284+/-0.063 χ^2/NDF : 606236.5/24

Right Out: 674.988+/-0.618 χ^2/NDF : 499159.6/1

Left In: 379.293+/-0.064 χ^2/NDF : 458625.9/22

Left: 378.778+/-0.045 χ^2/NDF : 1064987.4/47

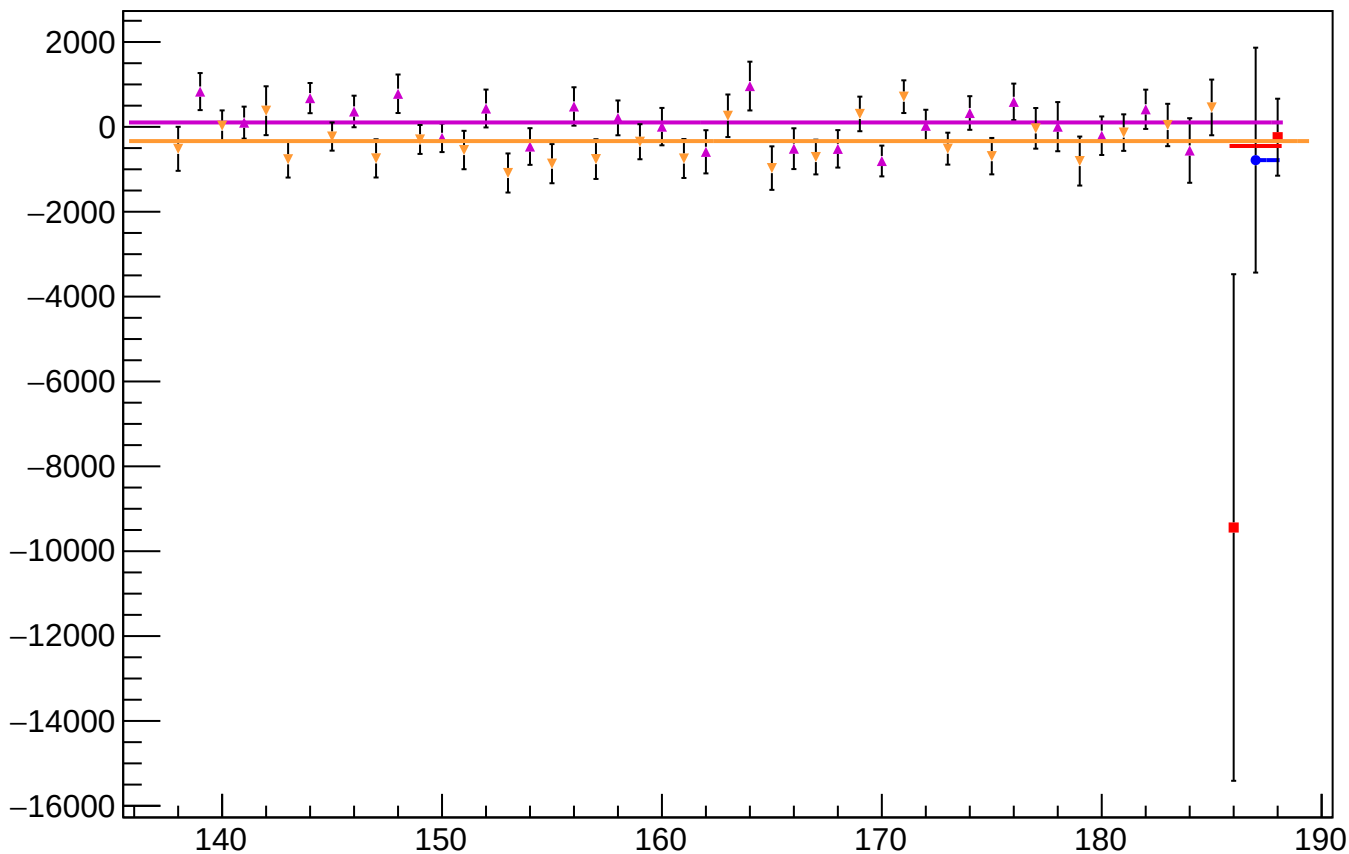
Right: 706.585+/-0.583 χ^2/NDF : 523101.2/2

In: 380.073+/-0.064 χ^2/NDF : 568494.9/23

Out: 381.351+/-0.063 χ^2/NDF : 1333801.6/26

All: 380.728+/-0.045 χ^2/NDF : 1902498.2/50

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: -450.986 $\pm$ 896.699 χ^2 /NDF: 2.3/1

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

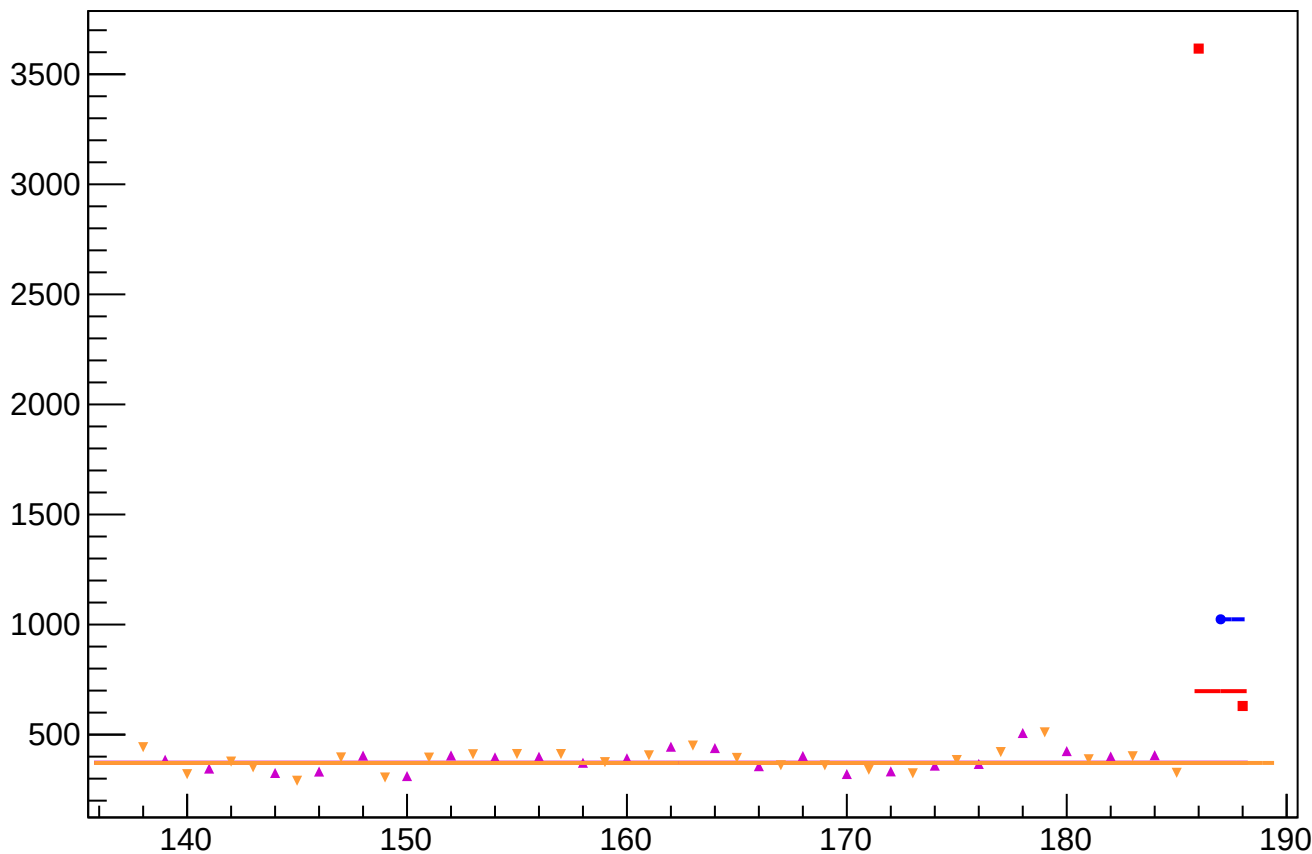
Right: -485.174 $\pm$ 849.397 χ^2 /NDF: 2.3/2

In: 103.103 $\pm$ 89.562 χ^2 /NDF:29.8/23

Out: -336.339 $\pm$ 87.290 χ^2 /NDF:30.6/26

All: -122.263 $\pm$ 62.511 χ^2 /NDF: 72.8/50

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 1023.828+/-1.874 χ^2/NDF : 0.0/0

Left Out: 371.375+/-0.062 χ^2/NDF : 604123.3/24

Right Out: 697.460+/-0.634 χ^2/NDF : 489346.6/1

Left In: 372.574+/-0.063 χ^2/NDF : 464397.2/22

Left: 371.962+/-0.044 χ^2/NDF : 1068703.4/47

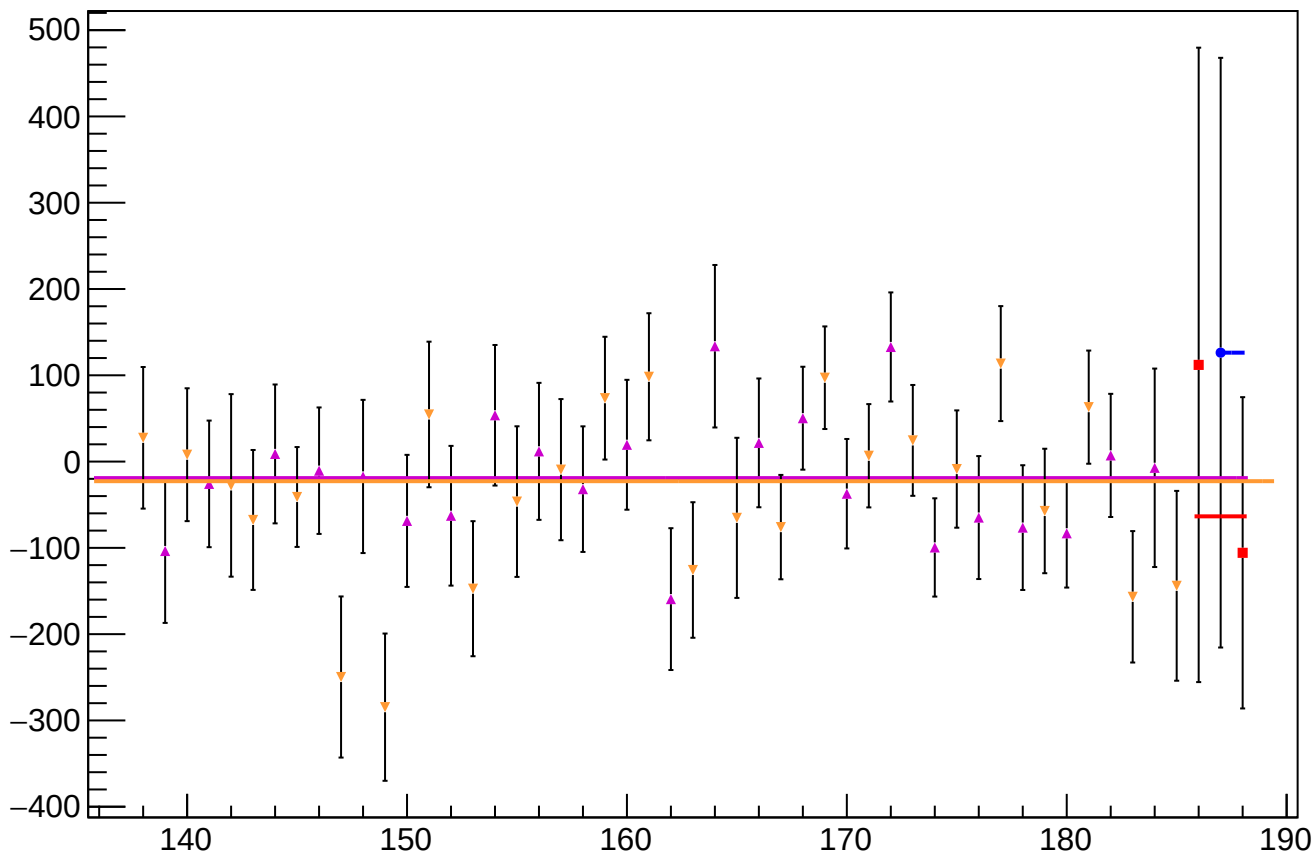
Right: 730.985+/-0.601 χ^2/NDF : 516561.4/2

In: 373.318+/-0.063 χ^2/NDF : 585030.7/23

Out: 374.465+/-0.062 χ^2/NDF : 1355446.9/26

All: 373.906+/-0.044 χ^2/NDF : 1940646.0/50

dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 126.216 $\pm$ 341.709 χ^2 /NDF: 0.0/0

Left Out: -22.721 $\pm$ 14.820 χ^2 /NDF:42.3/24

Right Out: -63.476 $\pm$ 161.940 χ^2 /NDF: 0.3/1

Left In: -19.165 $\pm$ 15.363 χ^2 /NDF:20.4/22

Left: -21.007 $\pm$ 10.666 χ^2 /NDF: 62.7/47

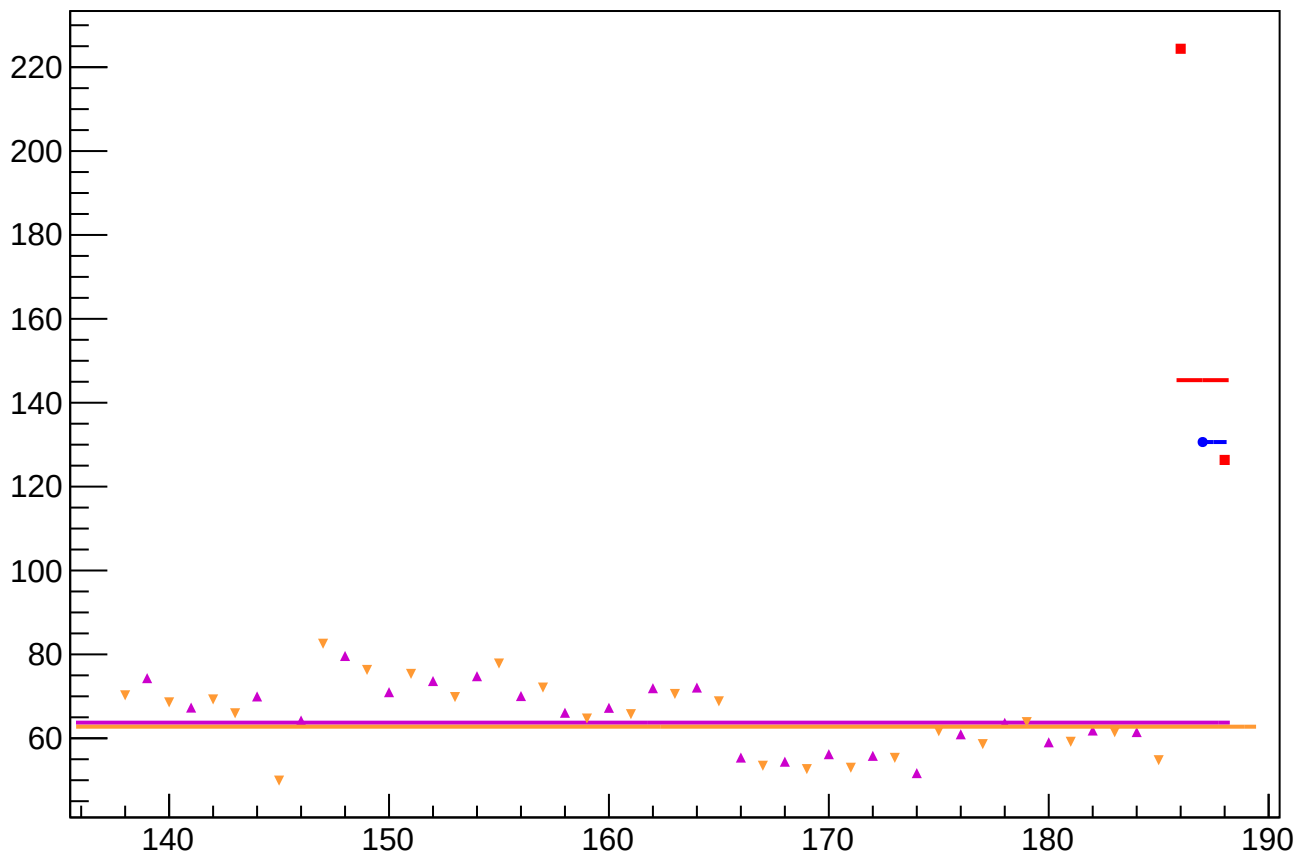
Right: -28.686 $\pm$ 146.338 χ^2 /NDF: 0.5/2

In: -18.871 $\pm$ 15.347 χ^2 /NDF:20.6/23

Out: -23.059 $\pm$ 14.758 χ^2 /NDF:42.7/26

All: -21.047 $\pm$ 10.638 χ^2 /NDF: 63.3/50

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 130.627 $\pm$ 0.242 χ^2 /NDF: 0.0/0

Left Out: 62.760 $\pm$ 0.010 χ^2 /NDF:668235.6/24

Right Out: 145.381 $\pm$ 0.115 χ^2 /NDF: 114615.1/1

Left In: 63.726 $\pm$ 0.011 χ^2 /NDF:492170.7/22

Left: 63.226 $\pm$ 0.008 χ^2 /NDF: 1164502.1/47

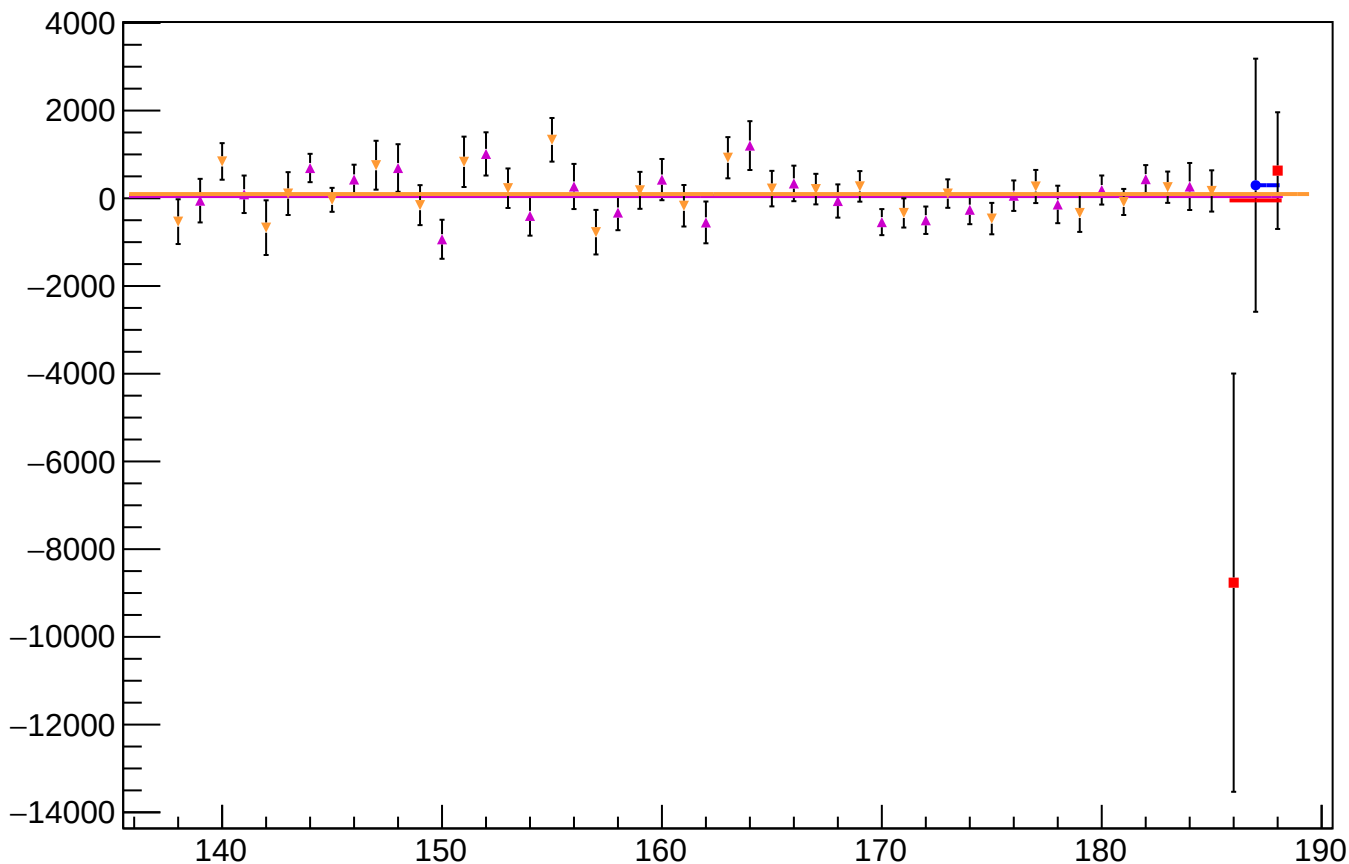
Right: 142.675 $\pm$ 0.103 χ^2 /NDF: 117659.7/2

In: 63.861 $\pm$ 0.011 χ^2 /NDF:568679.4/23

Out: 63.446 $\pm$ 0.010 χ^2 /NDF:1299126.7/26

All: 63.646 $\pm$ 0.008 χ^2 /NDF: 1868565.0/50

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 297.722 $\pm$ 2885.605 χ^2 /NDF: 0.0/0

Left Out: 96.393 $\pm$ 80.768 χ^2 /NDF:28.8/24

Right Out: -47.688 $\pm$ 1281.523 χ^2 /NDF: 3.6/1

Left In: 50.544 $\pm$ 82.368 χ^2 /NDF:34.5/22

Left: 73.918 $\pm$ 57.669 χ^2 /NDF: 63.4/47

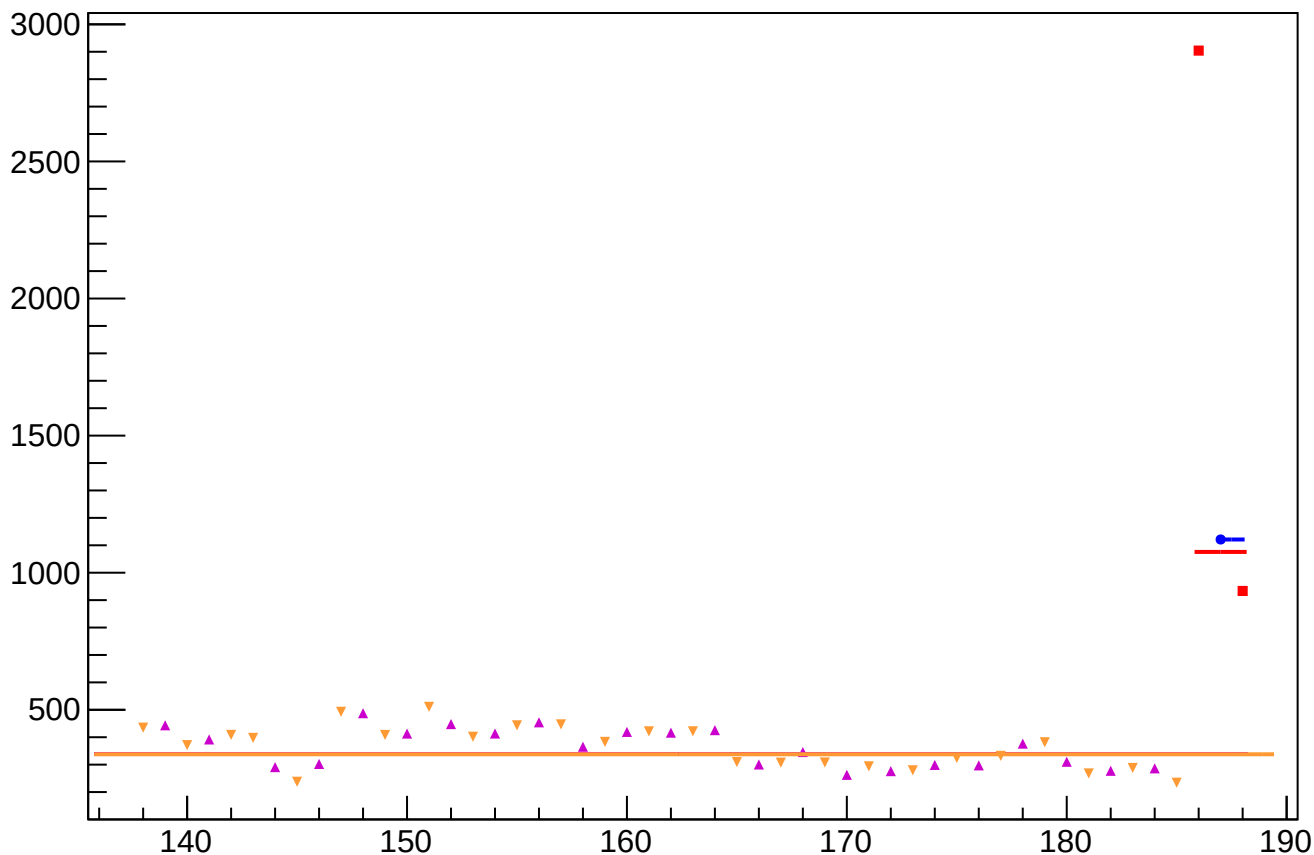
Right: 9.215 $\pm$ 1171.217 χ^2 /NDF: 3.6/2

In: 50.746 $\pm$ 82.334 χ^2 /NDF:34.5/23

Out: 95.823 $\pm$ 80.608 χ^2 /NDF:32.4/26

All: 73.762 $\pm$ 57.599 χ^2 /NDF: 67.1/50

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 1121.157+/-2.040 χ^2/NDF : 0.0/0

Left Out: 337.809+/-0.057 χ^2/NDF : 1576478.5/24

Right Out: 1075.833+/-0.906 χ^2/NDF : 316999.3/1

Left In: 338.855+/-0.058 χ^2/NDF : 1225723.5/22

Left: 338.322+/-0.041 χ^2/NDF : 2802366.1/47

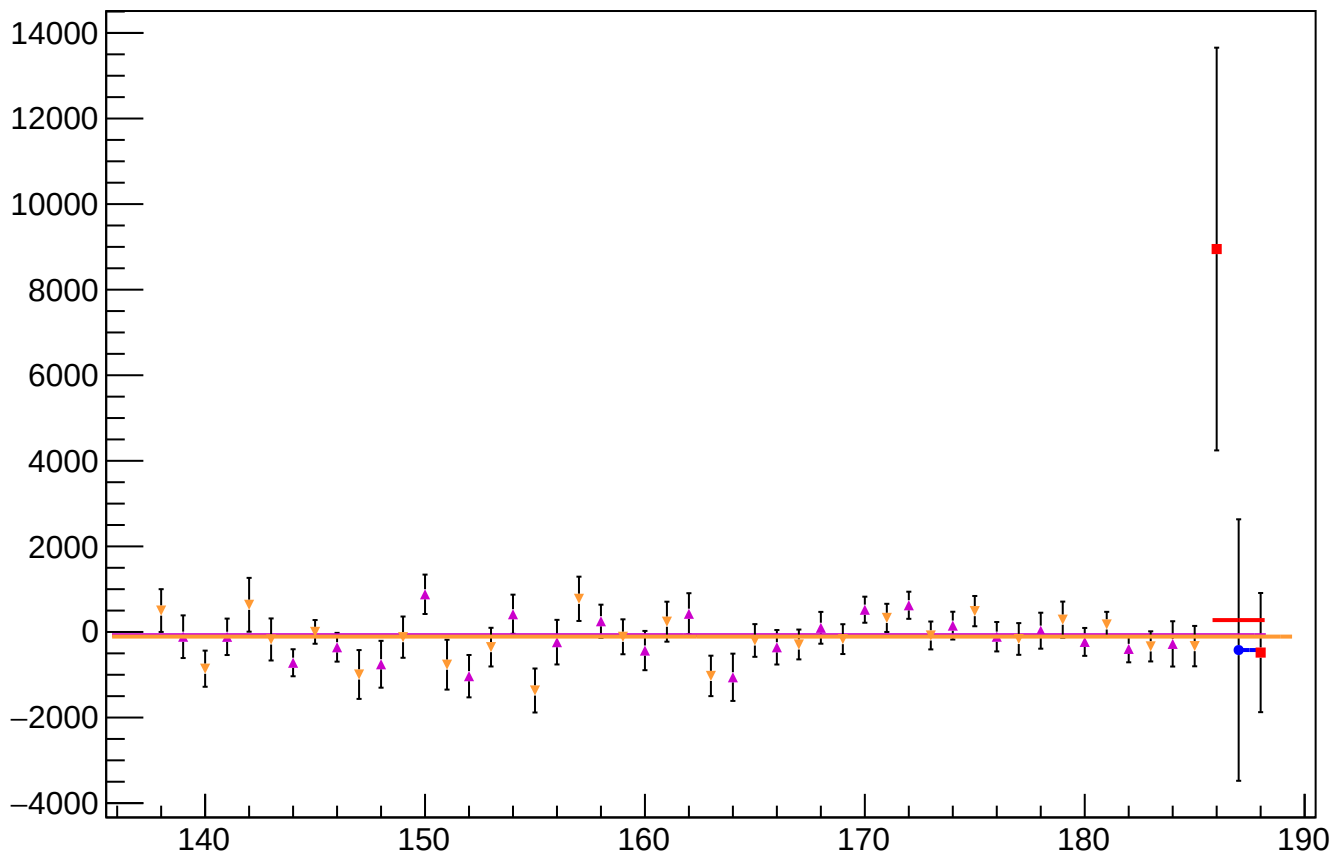
Right: 1083.299+/-0.828 χ^2/NDF : 317411.4/2

In: 339.492+/-0.058 χ^2/NDF : 1372599.8/23

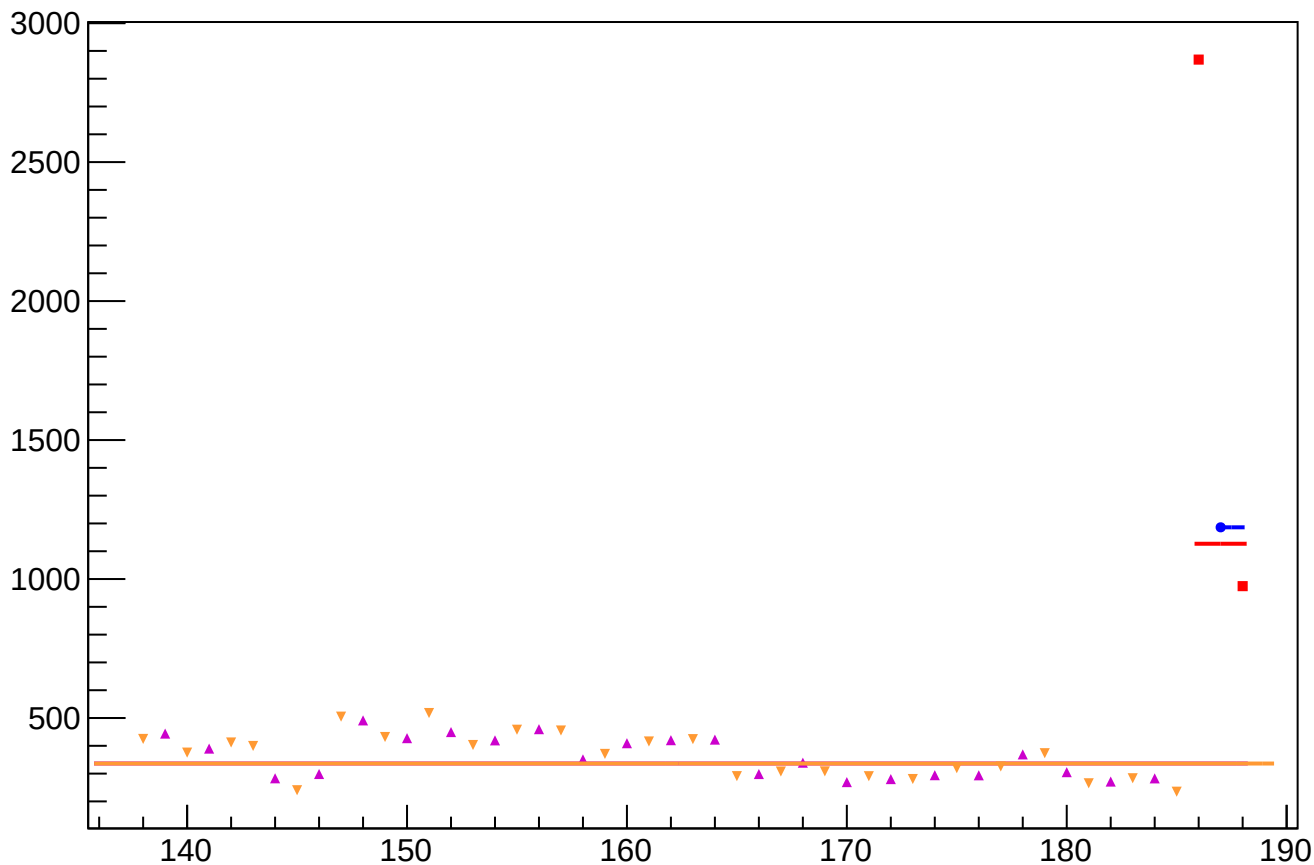
Out: 340.729+/-0.057 χ^2/NDF : 2554163.7/26

All: 340.124+/-0.041 χ^2/NDF : 3926994.3/50

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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: 1126.930 $\pm$ 0.944 χ^2 /NDF: 297961.8/1

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

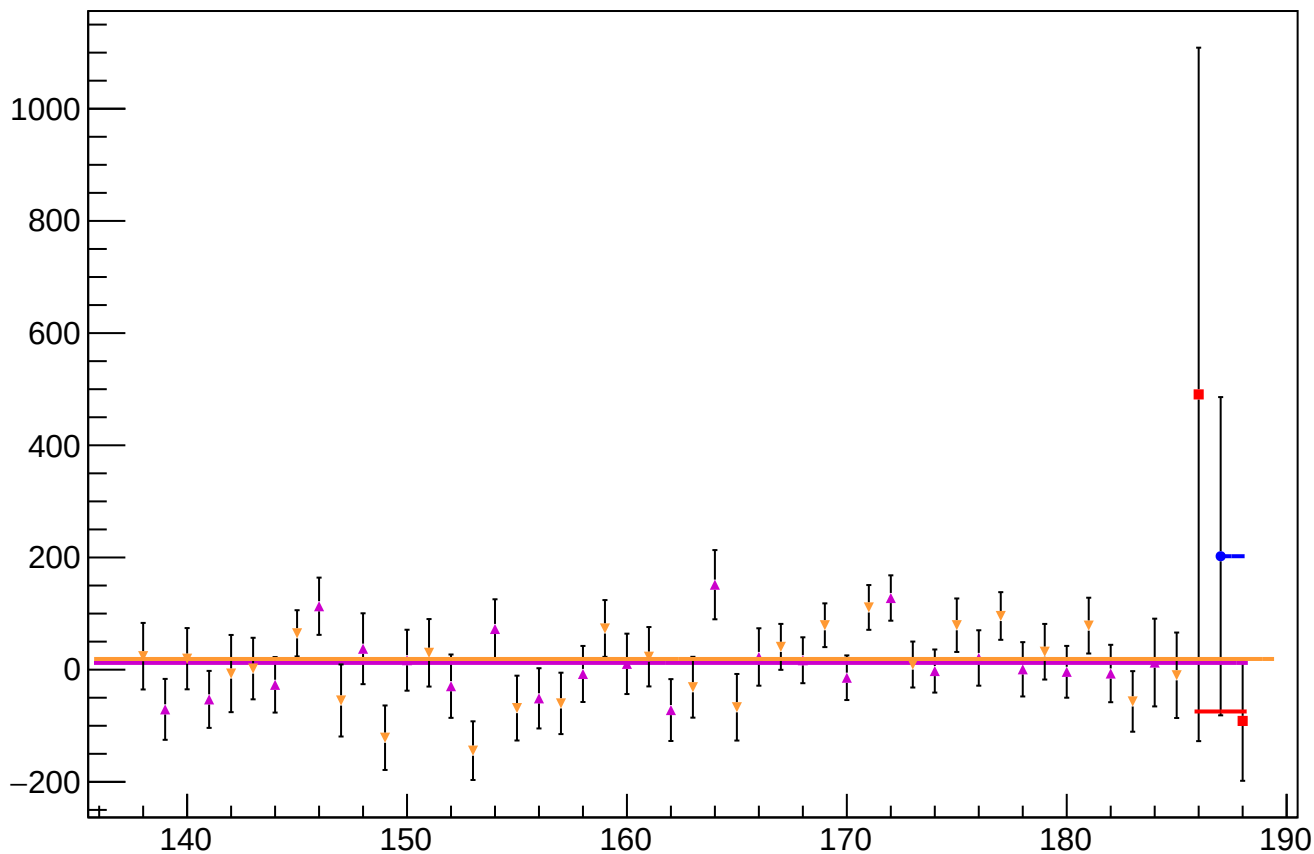
Right: 1136.409 $\pm$ 0.865 χ^2 /NDF: 298590.3/2

In: 337.006 $\pm$ 0.058 χ^2 /NDF:1424091.3/23

Out: 339.100 $\pm$ 0.057 χ^2 /NDF:2656362.7/26

All: 338.072 $\pm$ 0.041 χ^2 /NDF: 4081118.9/50

dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 202.260 $\pm$ 283.677 χ^2 /NDF: 0.0/0

Left Out: 19.081 $\pm$ 10.131 χ^2 /NDF:43.6/24

Right Out: -74.535 $\pm$ 105.166 χ^2 /NDF: 0.9/1

Left In: 12.058 $\pm$ 10.418 χ^2 /NDF:28.7/22

Left: 15.667 $\pm$ 7.263 χ^2 /NDF: 72.5/47

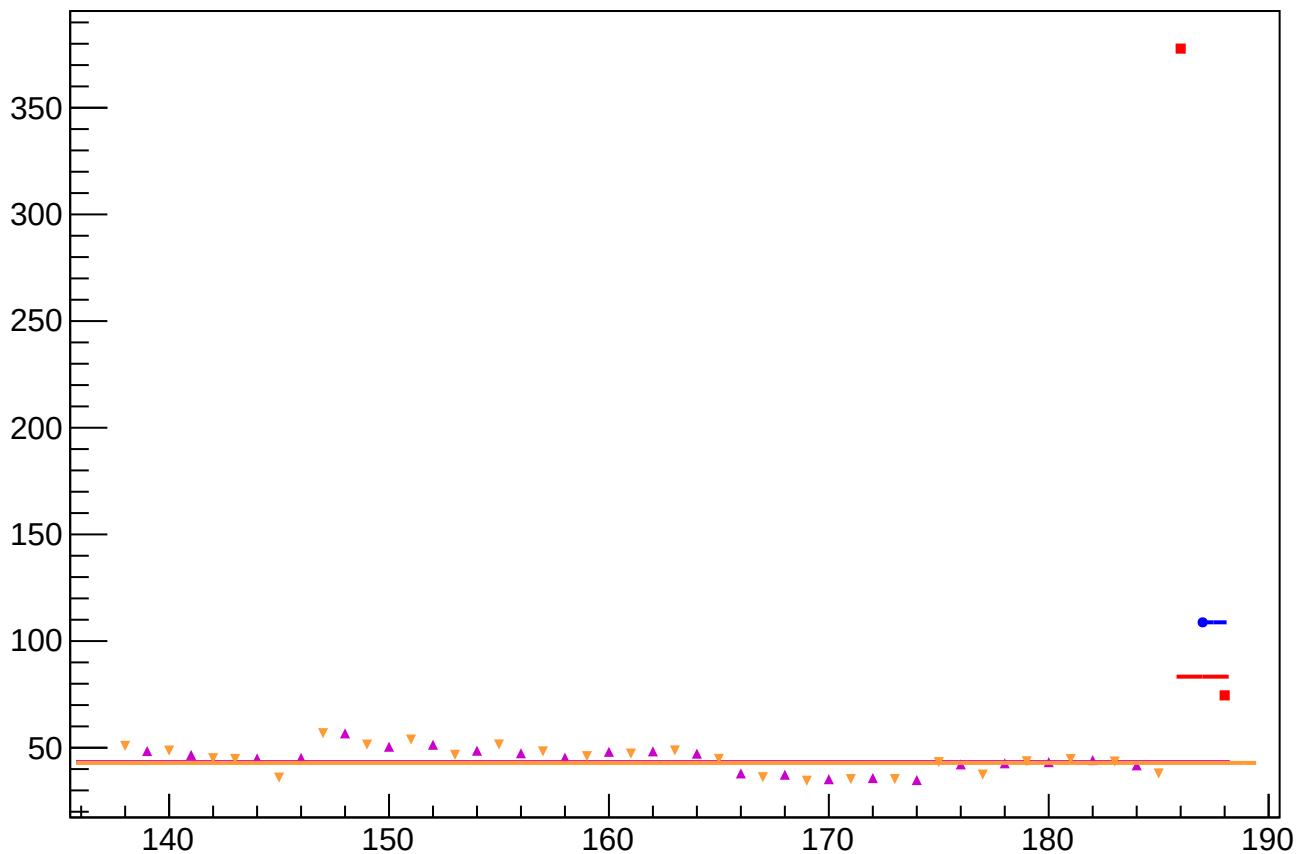
Right: -41.090 $\pm$ 98.608 χ^2 /NDF: 1.7/2

In: 12.314 $\pm$ 10.411 χ^2 /NDF:29.1/23

Out: 18.220 $\pm$ 10.085 χ^2 /NDF:45.2/26

All: 15.361 $\pm$ 7.244 χ^2 /NDF: 74.5/50

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 108.785 $\pm$ 0.201 χ^2 /NDF: 0.0/0

Left Out: 42.891 $\pm$ 0.007 χ^2 /NDF:776701.7/24

Right Out: 83.323 $\pm$ 0.074 χ^2 /NDF: 467222.4/1

Left In: 43.271 $\pm$ 0.007 χ^2 /NDF:588041.1/22

Left: 43.076 $\pm$ 0.005 χ^2 /NDF: 1366115.4/47

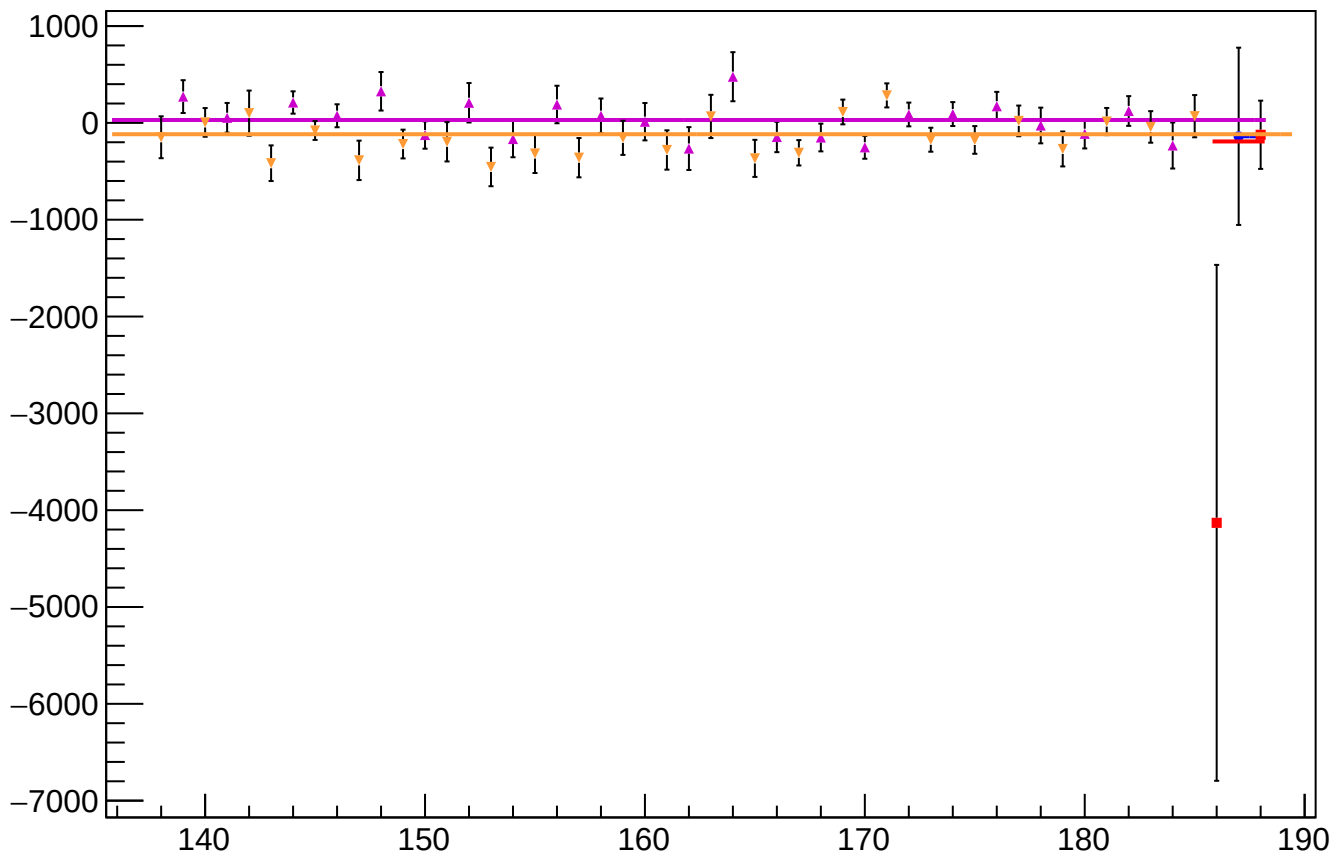
Right: 86.399 $\pm$ 0.070 χ^2 /NDF: 481388.3/2

In: 43.360 $\pm$ 0.007 χ^2 /NDF:694567.9/23

Out: 43.263 $\pm$ 0.007 χ^2 /NDF:1536826.9/26

All: 43.310 $\pm$ 0.005 χ^2 /NDF: 2231484.7/50

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -138.608 $\pm$ 915.430 χ^2 /NDF: 0.0/0

Left Out: -117.049 $\pm$ 32.089 χ^2 /NDF:34.6/24

Right Out: -191.790 $\pm$ 349.310 χ^2 /NDF: 2.2/1

Left In: 29.883 $\pm$ 32.539 χ^2 /NDF:28.1/22

Left: -44.606 $\pm$ 22.848 χ^2 /NDF: 73.0/47

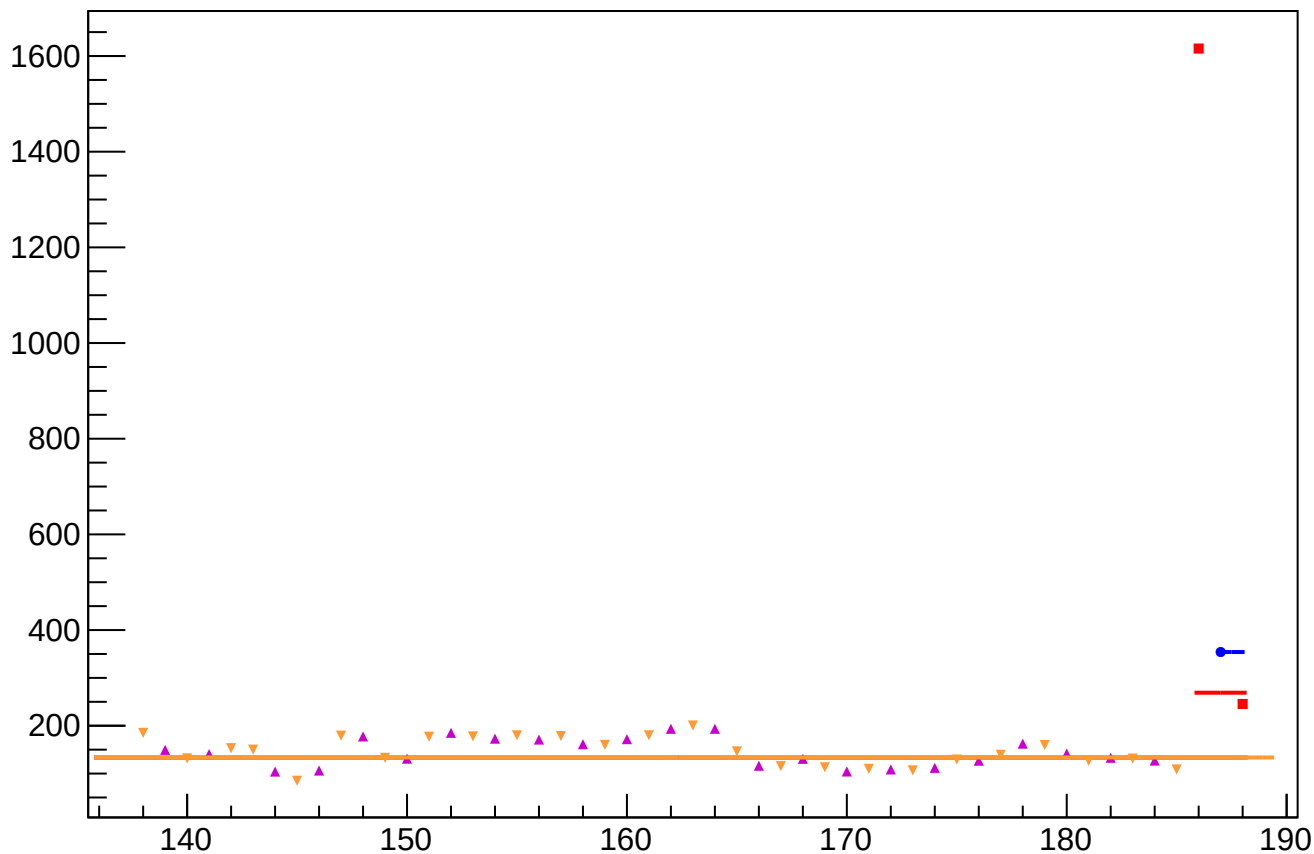
Right: -185.031 $\pm$ 326.357 χ^2 /NDF: 2.2/2

In: 29.670 $\pm$ 32.519 χ^2 /NDF:28.1/23

Out: -117.675 $\pm$ 31.955 χ^2 /NDF:36.8/26

All: -45.291 $\pm$ 22.792 χ^2 /NDF: 75.4/50

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 354.053 $\pm$ 0.647 χ^2 /NDF: 0.0/0

Left Out: 133.648 $\pm$ 0.023 χ^2 /NDF:1811807.2/24

Right Out: 269.018 $\pm$ 0.247 χ^2 /NDF: 519843.1/1

Left In: 133.485 $\pm$ 0.023 χ^2 /NDF:1387618.1/22

Left: 133.568 $\pm$ 0.016 χ^2 /NDF: 3199450.8/47

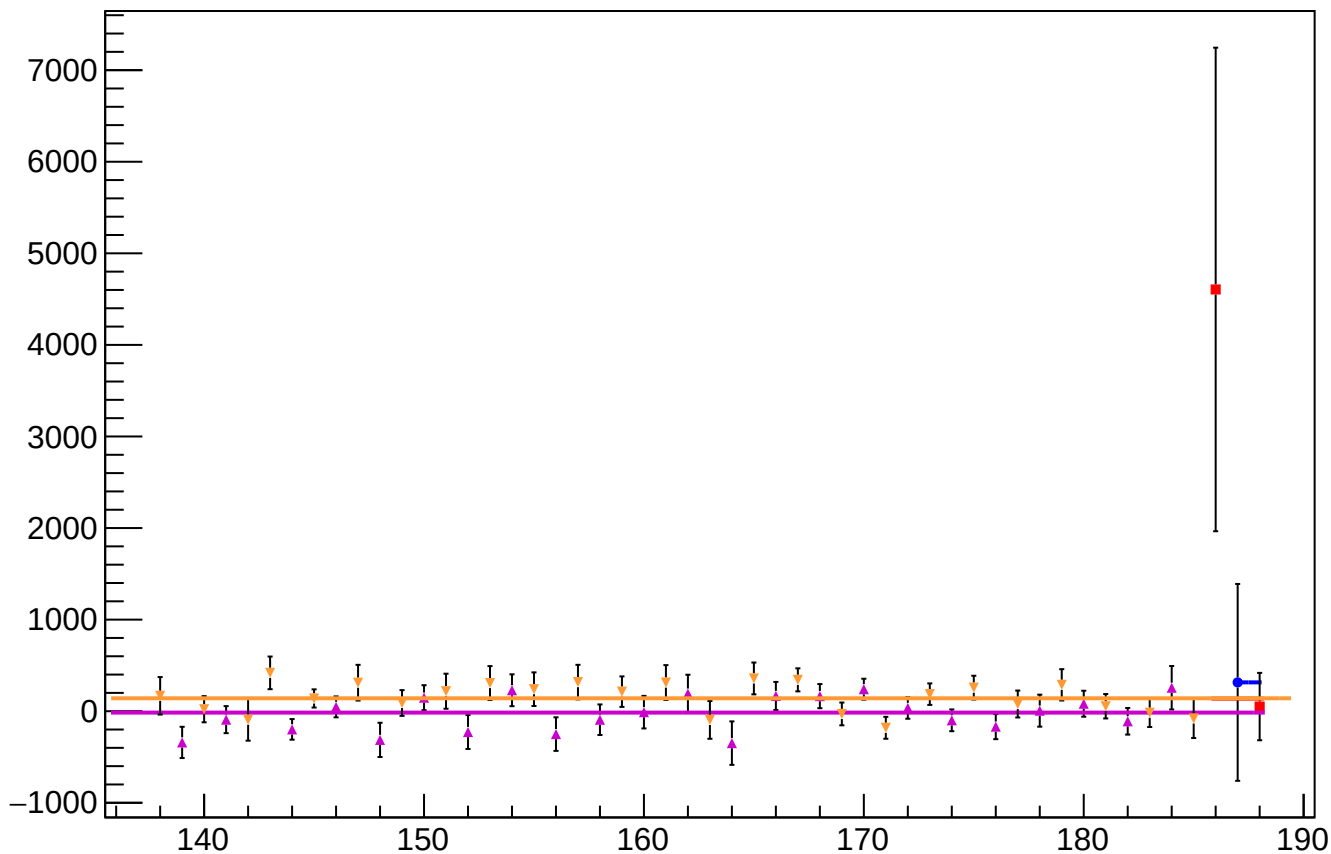
Right: 279.825 $\pm$ 0.231 χ^2 /NDF: 534907.1/2

In: 133.763 $\pm$ 0.023 χ^2 /NDF:1503579.6/23

Out: 134.781 $\pm$ 0.023 χ^2 /NDF:2629501.9/26

All: 134.281 $\pm$ 0.016 χ^2 /NDF: 4134078.4/50

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 314.856 $\pm$ 1074.786 χ^2 /NDF: 0.0/0

Left Out: 141.008 $\pm$ 30.636 χ^2 /NDF:27.1/24

Right Out: 137.358 $\pm$ 364.348 χ^2 /NDF: 2.9/1

Left In: -15.199 $\pm$ 31.033 χ^2 /NDF:31.4/22

Left: 63.911 $\pm$ 21.802 χ^2 /NDF: 71.3/47

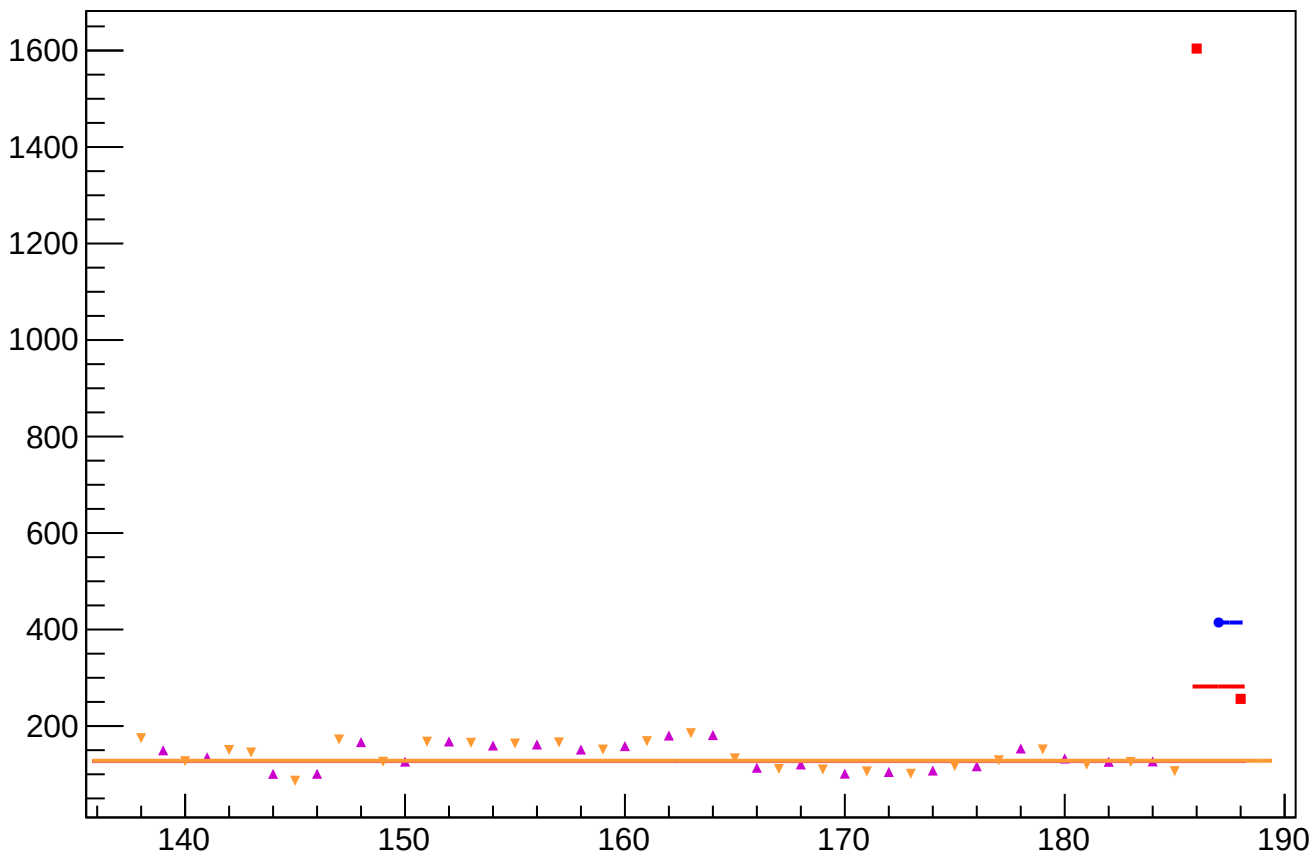
Right: 155.653 $\pm$ 345.060 χ^2 /NDF: 2.9/2

In: -14.924 $\pm$ 31.020 χ^2 /NDF:31.5/23

Out: 140.982 $\pm$ 30.528 χ^2 /NDF:30.1/26

All: 64.276 $\pm$ 21.758 χ^2 /NDF: 74.3/50

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: 281.955 $\pm$ 0.258 χ^2 /NDF: 511238.5/1

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

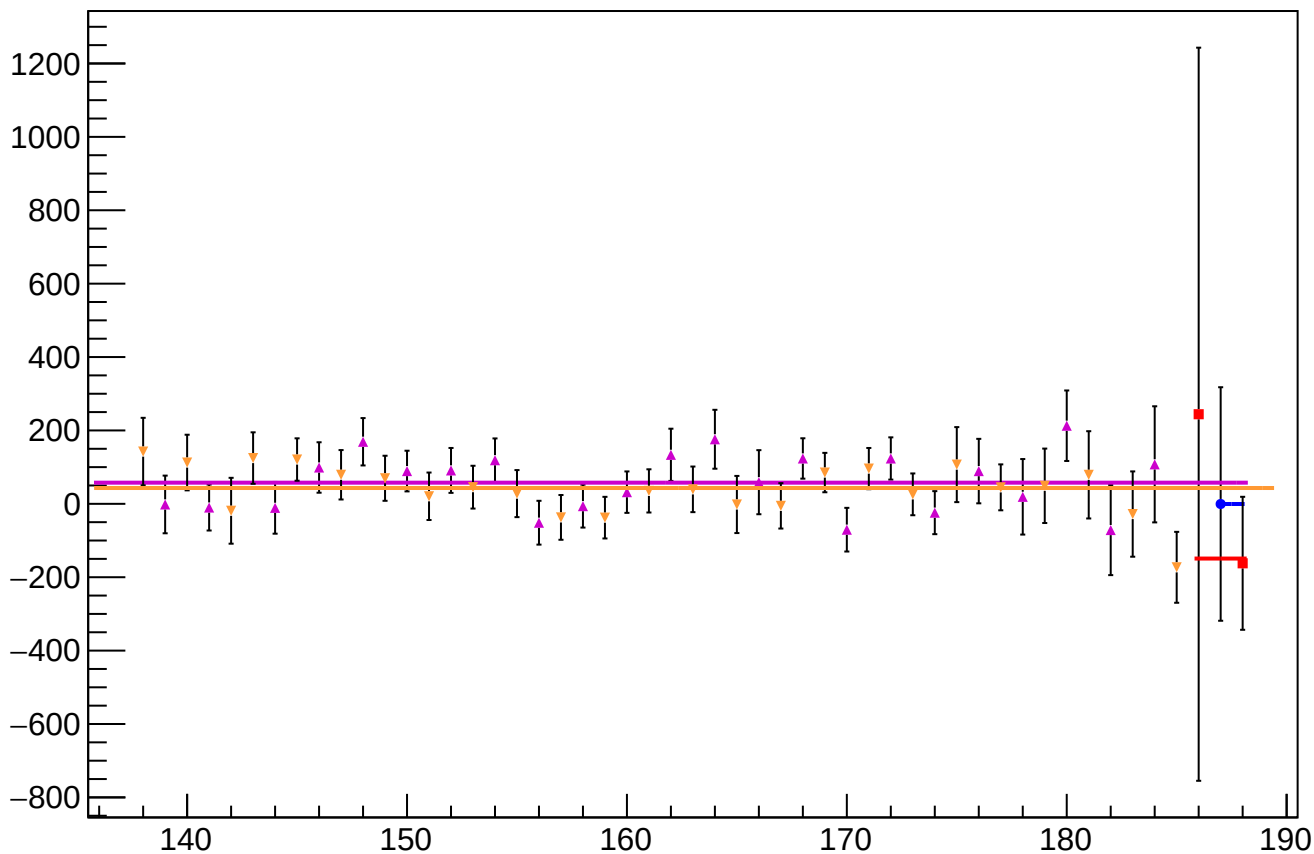
Right: 295.623 $\pm$ 0.244 χ^2 /NDF: 538543.6/2

In: 127.619 $\pm$ 0.022 χ^2 /NDF:1372566.6/23

Out: 129.140 $\pm$ 0.022 χ^2 /NDF:2395837.5/26

All: 128.392 $\pm$ 0.015 χ^2 /NDF: 3770847.1/50

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: -0.451 ± 318.200 χ^2/NDF : 0.0/0

Left Out: 43.099 ± 13.598 χ^2/NDF : 18.5/24

Right Out: -149.119 ± 178.301 χ^2/NDF : 0.2/1

Left In: 57.672 ± 14.197 χ^2/NDF : 29.2/22

Left: 50.072 ± 9.820 χ^2/NDF : 48.2/47

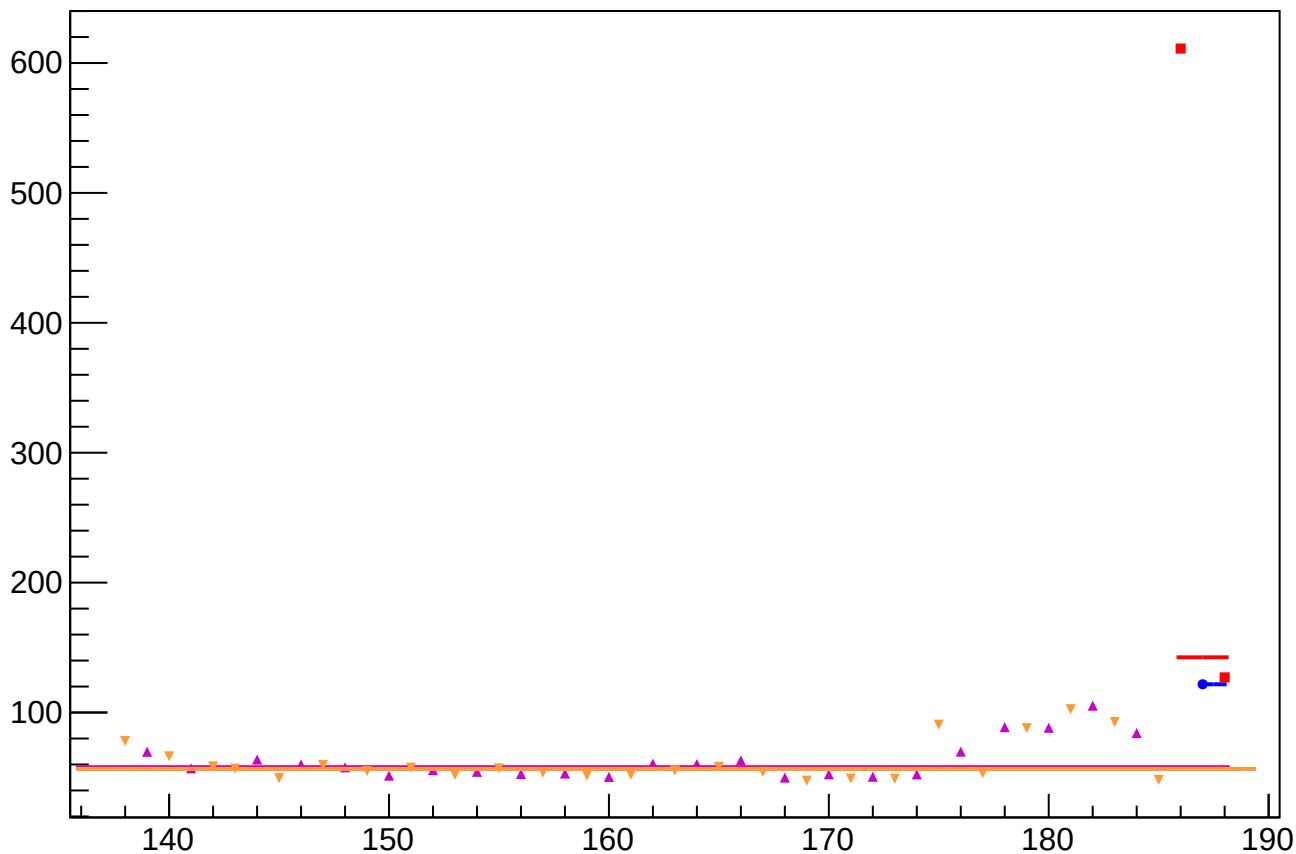
Right: -113.594 ± 155.546 χ^2/NDF : 0.3/2

In: 57.557 ± 14.183 χ^2/NDF : 29.2/23

Out: 41.988 ± 13.559 χ^2/NDF : 19.8/26

All: 49.422 ± 9.801 χ^2/NDF : 49.6/50

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 121.747 $\pm$ 0.225 χ^2 /NDF: 0.0/0

Left Out: 56.550 $\pm$ 0.010 χ^2 /NDF: 1281733.4/24

Right Out: 142.471 $\pm$ 0.126 χ^2 /NDF: 454670.1/1

Left In: 57.902 $\pm$ 0.010 χ^2 /NDF: 1053676.8/22

Left: 57.197 $\pm$ 0.007 χ^2 /NDF: 2344872.8/47

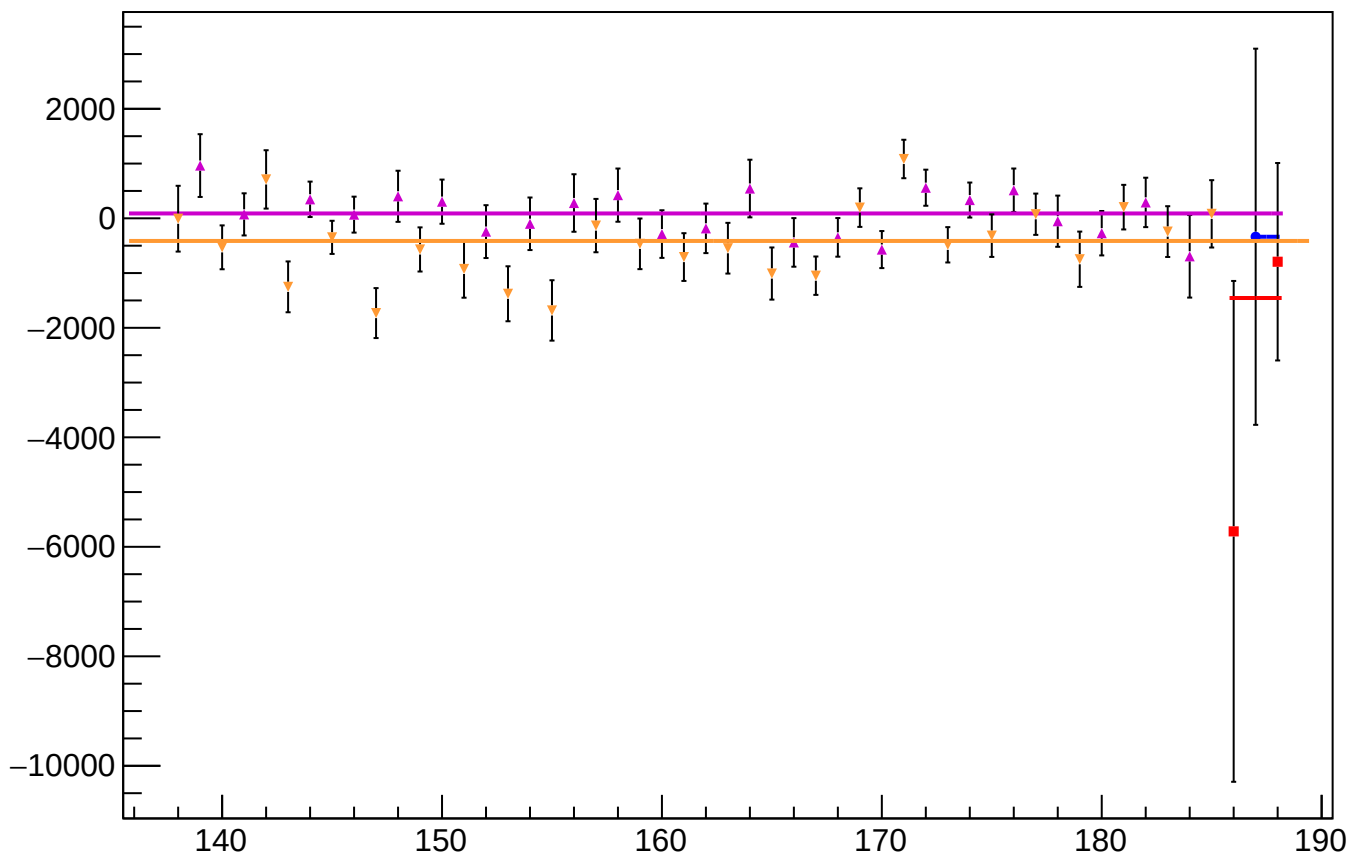
Right: 137.519 $\pm$ 0.110 χ^2 /NDF: 461126.0/2

In: 58.029 $\pm$ 0.010 χ^2 /NDF: 1134033.1/23

Out: 57.047 $\pm$ 0.010 χ^2 /NDF: 2198141.4/26

All: 57.516 $\pm$ 0.007 χ^2 /NDF: 3337186.0/50

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -336.793 $\pm$ 3435.391 χ^2 /NDF: 0.0/0

Left Out: -413.404 $\pm$ 85.138 χ^2 /NDF:58.9/24

Right Out: -1455.529 $\pm$ 1677.560 χ^2 /NDF: 1.0/1

Left In: 88.888 $\pm$ 86.344 χ^2 /NDF:19.5/22

Left: -165.789 $\pm$ 60.624 χ^2 /NDF: 95.5/47

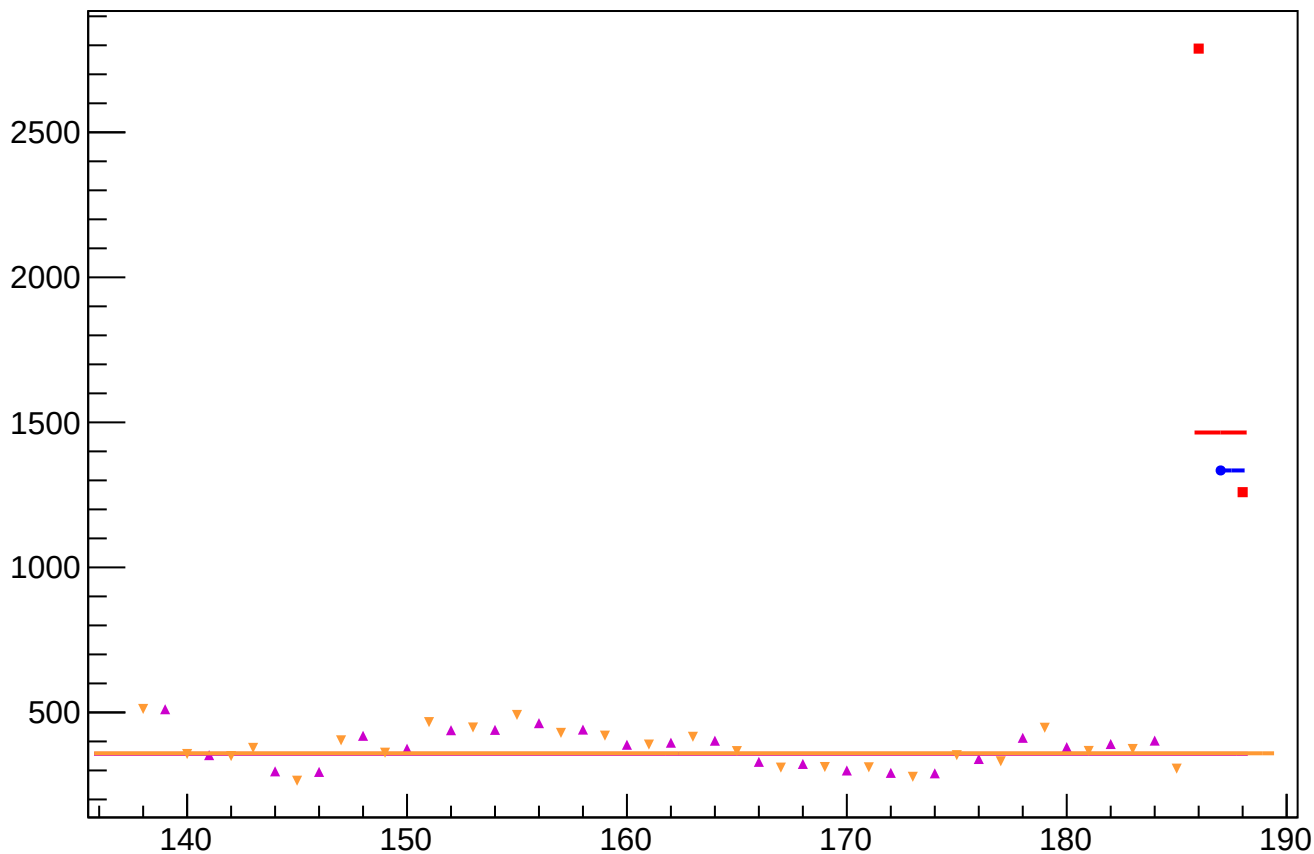
Right: -1240.126 $\pm$ 1507.434 χ^2 /NDF: 1.1/2

In: 88.619 $\pm$ 86.317 χ^2 /NDF:19.5/23

Out: -416.081 $\pm$ 85.029 χ^2 /NDF:60.3/26

All: -167.524 $\pm$ 60.575 χ^2 /NDF: 97.1/50

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 1334.256+/-2.429 χ^2/NDF : 0.0/0

Left Out: 359.089+/-0.060 χ^2/NDF :1055463.4/24

Right Out: 1465.084+/-1.186 χ^2/NDF : 193476.9/1

Left In: 357.207+/-0.061 χ^2/NDF :930542.1/22

Left: 358.161+/-0.043 χ^2/NDF : 1986487.3/47

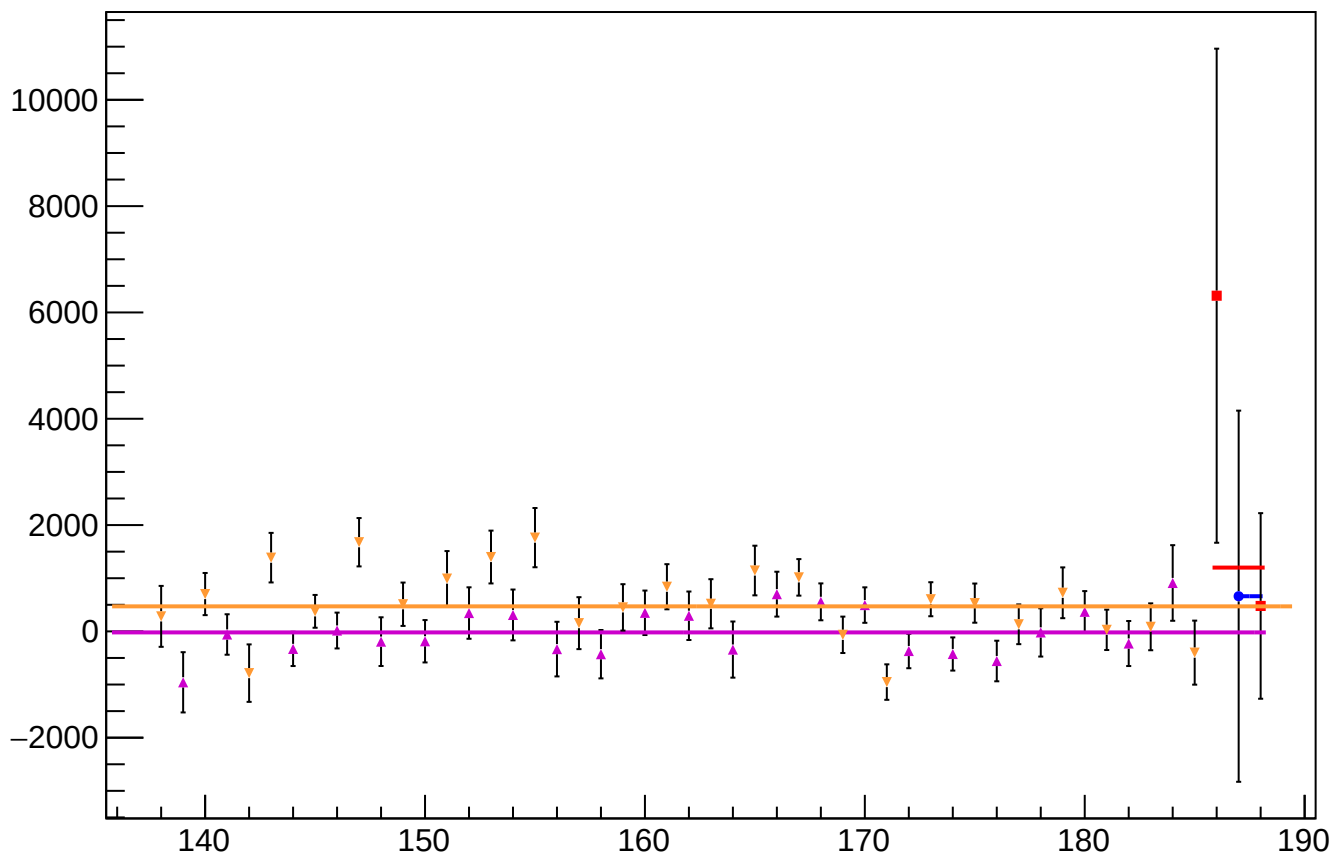
Right: 1439.894+/-1.066 χ^2/NDF : 195819.0/2

In: 357.824+/-0.061 χ^2/NDF :1092214.5/23

Out: 361.931+/-0.060 χ^2/NDF :2116027.8/26

All: 359.908+/-0.043 χ^2/NDF : 3210539.8/50

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: 1200.102 $\pm$ 1634.250 χ^2 /NDF: 1.4/1

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

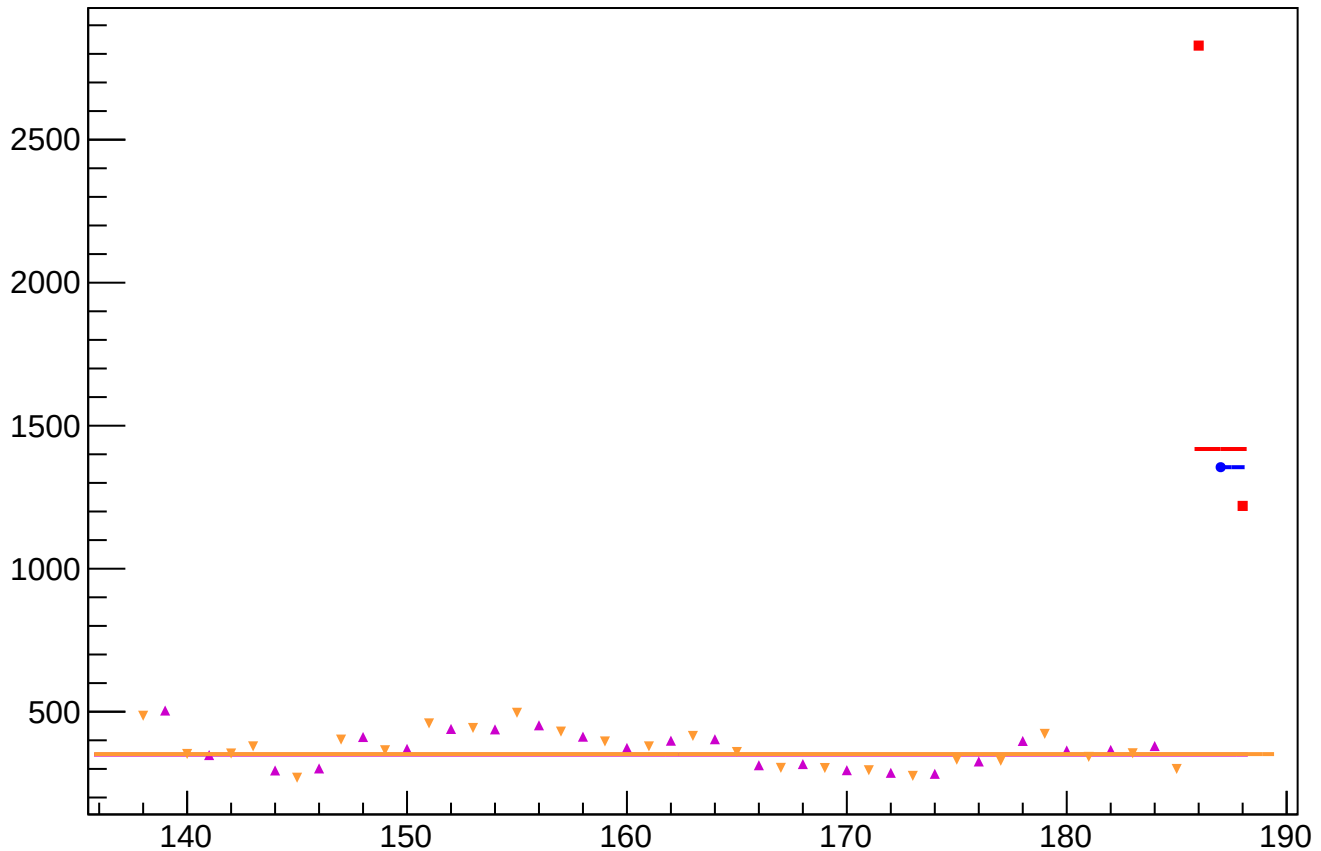
Right: 1103.289 $\pm$ 1480.114 χ^2 /NDF: 1.4/2

In: -18.927 $\pm$ 84.654 χ^2 /NDF:23.7/23

Out: 472.702 $\pm$ 83.371 χ^2 /NDF:60.3/26

All: 230.642 $\pm$ 59.401 χ^2 /NDF: 101.1/50

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 1354.921+/-2.469 χ^2/NDF : 0.0/0

Left Out: 351.777+/-0.059 χ^2/NDF :1016791.1/24

Right Out: 1418.518+/-1.156 χ^2/NDF : 210174.0/1

Left In: 350.037+/-0.060 χ^2/NDF :889435.7/22

Left: 350.919+/-0.042 χ^2/NDF : 1906655.0/47

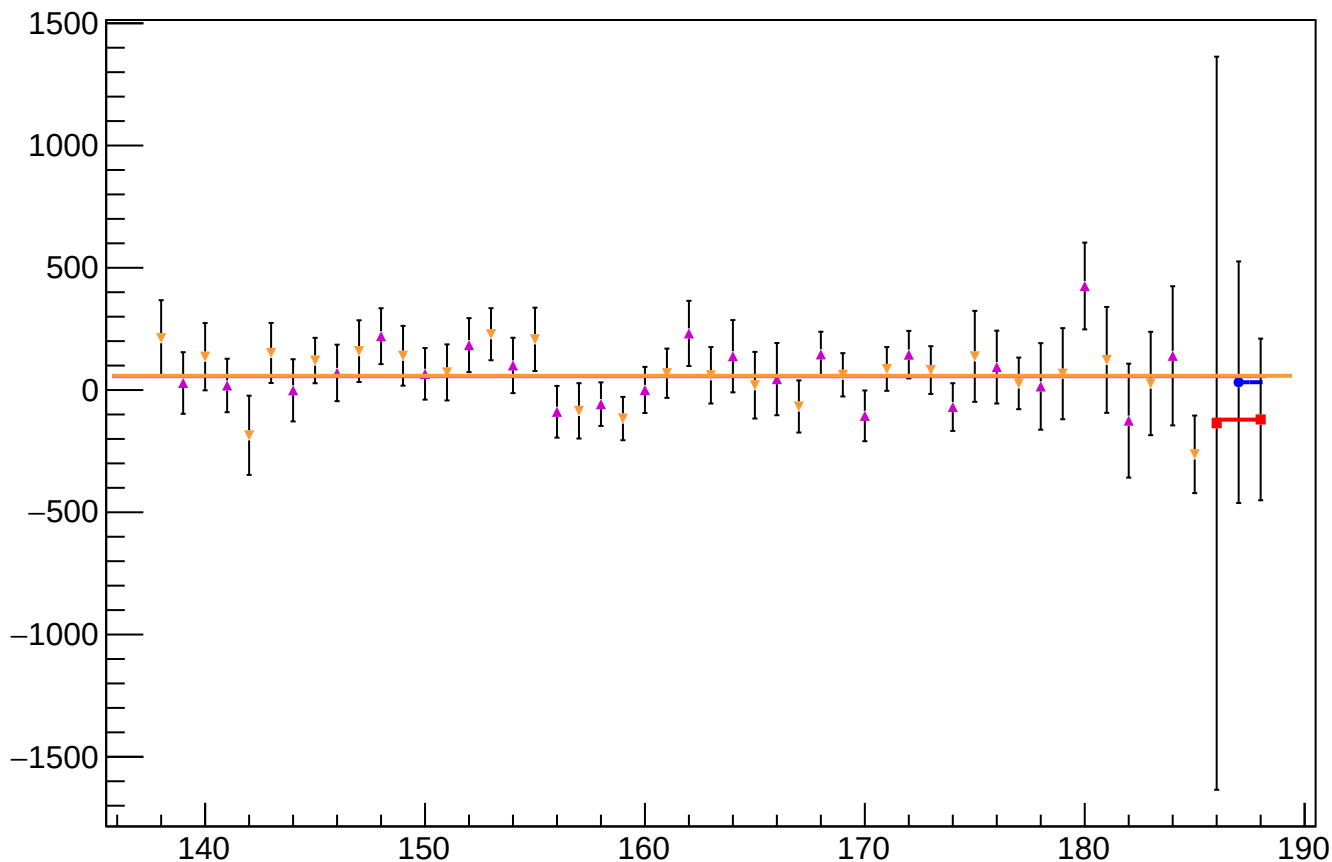
Right: 1407.087+/-1.047 χ^2/NDF : 210718.4/2

In: 350.628+/-0.060 χ^2/NDF :1055033.2/23

Out: 354.553+/-0.059 χ^2/NDF :2076887.1/26

All: 352.621+/-0.042 χ^2/NDF : 3134103.3/50

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 31.932 $\pm$ 494.038 χ^2 /NDF: 0.0/0

Left Out: 58.293 $\pm$ 23.720 χ^2 /NDF:21.2/24

Right Out: -120.986 $\pm$ 322.835 χ^2 /NDF: 0.0/1

Left In: 56.757 $\pm$ 24.650 χ^2 /NDF:20.9/22

Left: 57.555 $\pm$ 17.092 χ^2 /NDF: 42.0/47

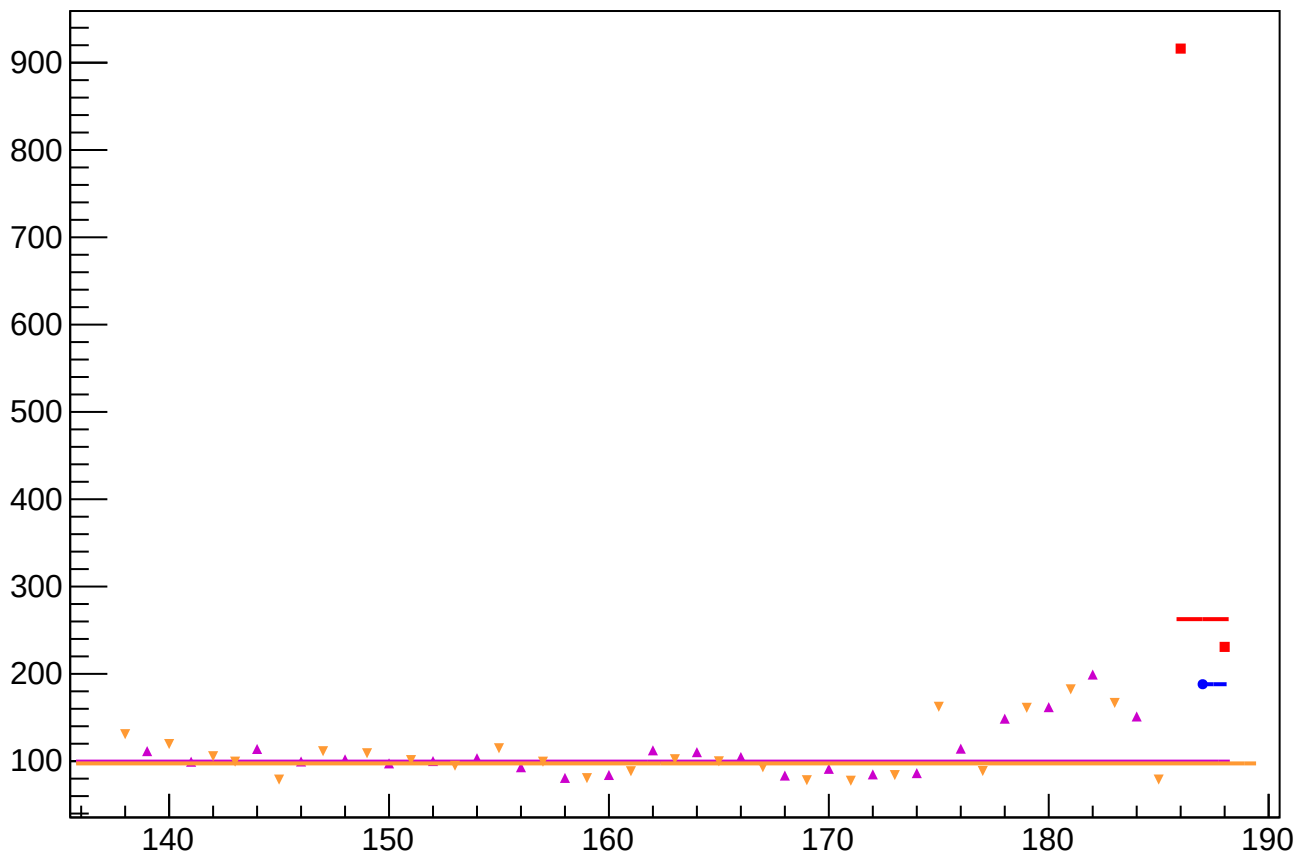
Right: -75.228 $\pm$ 270.251 χ^2 /NDF: 0.1/2

In: 56.695 $\pm$ 24.619 χ^2 /NDF:20.9/23

Out: 57.331 $\pm$ 23.657 χ^2 /NDF:21.5/26

All: 57.026 $\pm$ 17.058 χ^2 /NDF: 42.3/50

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 188.144 $\pm$ 0.349 χ^2 /NDF: 0.0/0

Left Out: 97.443 $\pm$ 0.017 χ^2 /NDF:1678452.8/24

Right Out: 262.674 $\pm$ 0.228 χ^2 /NDF: 398464.7/1

Left In: 99.506 $\pm$ 0.017 χ^2 /NDF:1235754.5/22

Left: 98.435 $\pm$ 0.012 χ^2 /NDF: 2921487.4/47

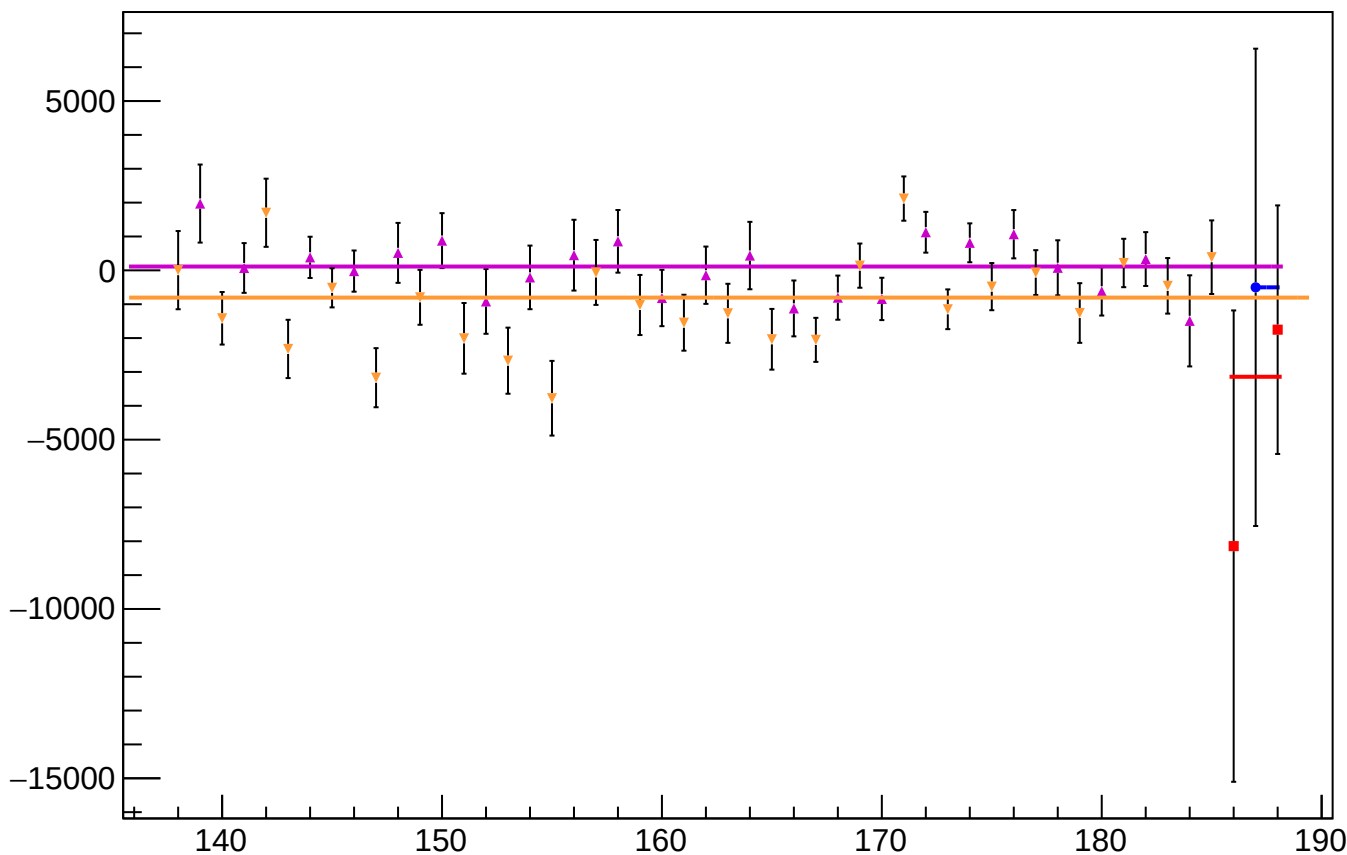
Right: 240.372 $\pm$ 0.191 χ^2 /NDF: 430360.8/2

In: 99.727 $\pm$ 0.017 χ^2 /NDF:1299974.1/23

Out: 98.330 $\pm$ 0.017 χ^2 /NDF:2598009.3/26

All: 99.000 $\pm$ 0.012 χ^2 /NDF: 3901330.8/50

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -501.776+/-7048.018 χ^2/NDF : 0.0/0

Left Out: -804.852+/-158.828 χ^2/NDF : 65.2/24

Right Out: -3142.837+/-3246.441 χ^2/NDF : 0.7/1

Left In: 112.802+/-160.711 χ^2/NDF : 22.7/22

Left: -351.432+/-112.968 χ^2/NDF : 104.3/47

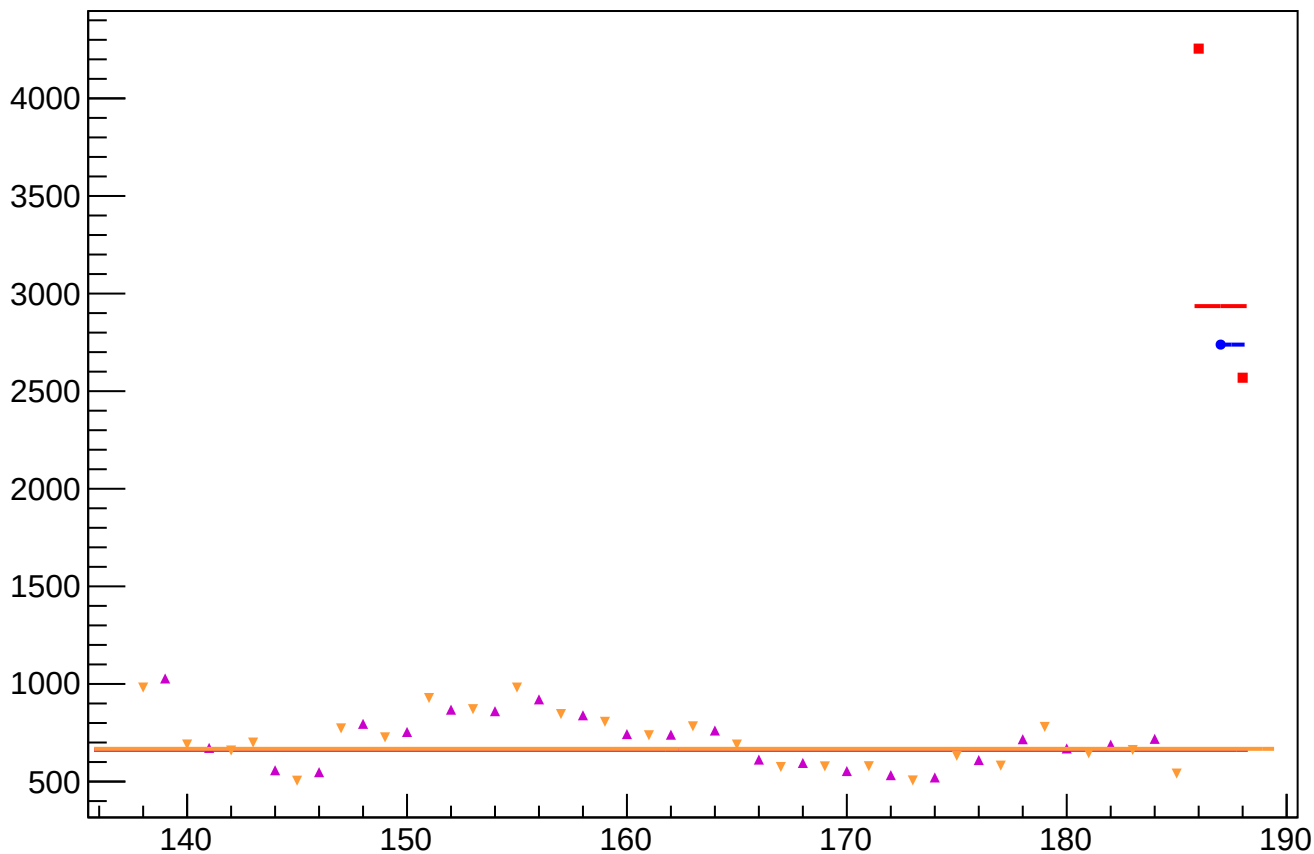
Right: -2680.566+/-2948.669 χ^2/NDF : 0.8/2

In: 112.482+/-160.669 χ^2/NDF : 22.7/23

Out: -810.434+/-158.639 χ^2/NDF : 66.3/26

All: -354.846+/-112.886 χ^2/NDF : 105.7/50

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 2738.558 $\pm$ 4.984 χ^2 /NDF: 0.0/0

Left Out: 667.726 $\pm$ 0.112 χ^2 /NDF:1262178.1/24

Right Out: 2935.767 $\pm$ 2.296 χ^2 /NDF: 91826.5/1

Left In: 662.577 $\pm$ 0.114 χ^2 /NDF:1163749.4/22

Left: 665.182 $\pm$ 0.080 χ^2 /NDF: 2426966.2/47

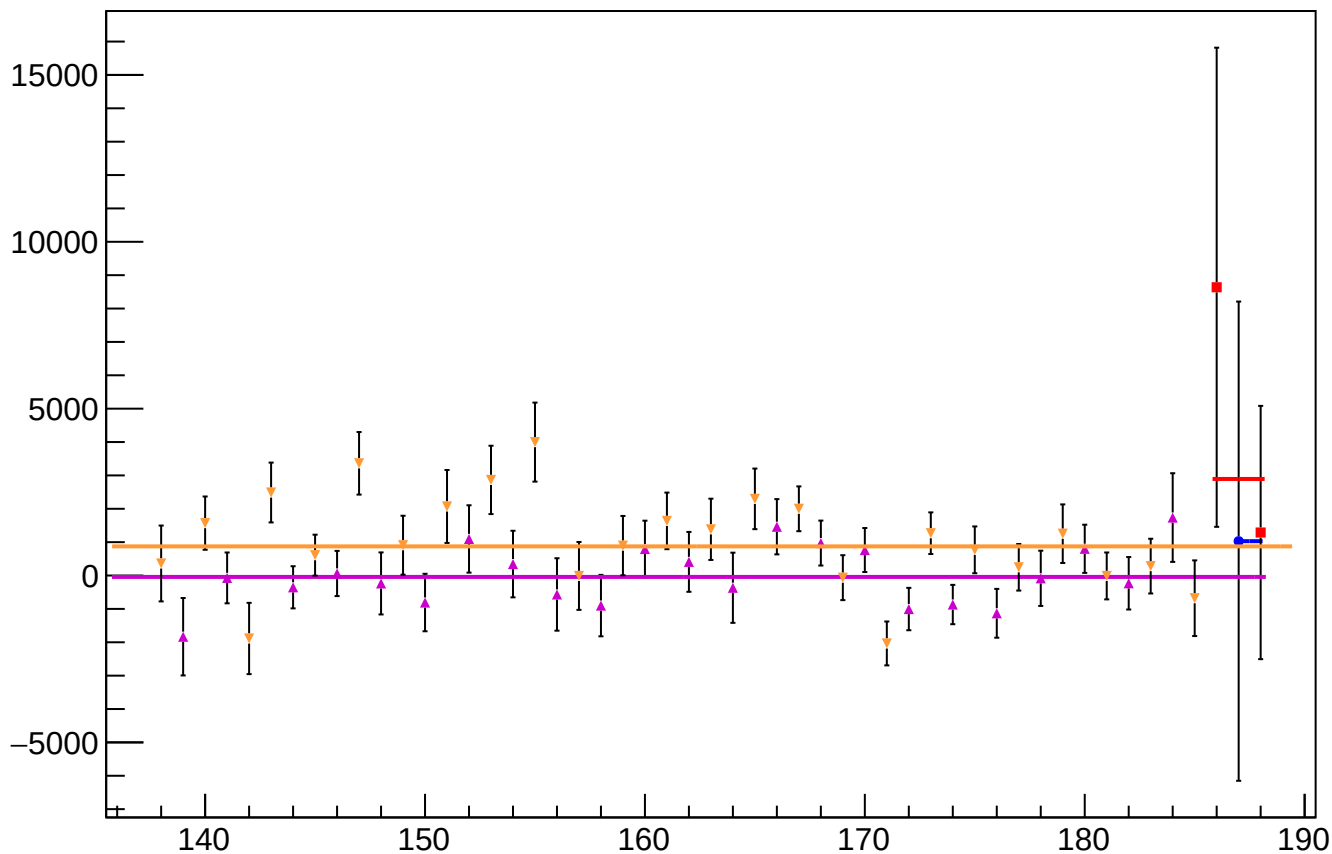
Right: 2901.249 $\pm$ 2.085 χ^2 /NDF: 93118.2/2

In: 663.656 $\pm$ 0.114 χ^2 /NDF:1337176.5/23

Out: 673.142 $\pm$ 0.112 χ^2 /NDF:2327823.6/26

All: 668.459 $\pm$ 0.080 χ^2 /NDF: 3668530.5/50

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 1029.252+/-7179.977 χ^2/NDF : 0.0/0

Left Out: 873.446+/-164.269 χ^2/NDF : 64.1/24

Right Out: 2893.769+/-3354.821 χ^2/NDF : 0.8/1

Left In: -41.522+/-166.728 χ^2/NDF : 24.1/22

Left: 422.759+/-117.015 χ^2/NDF : 103.5/47

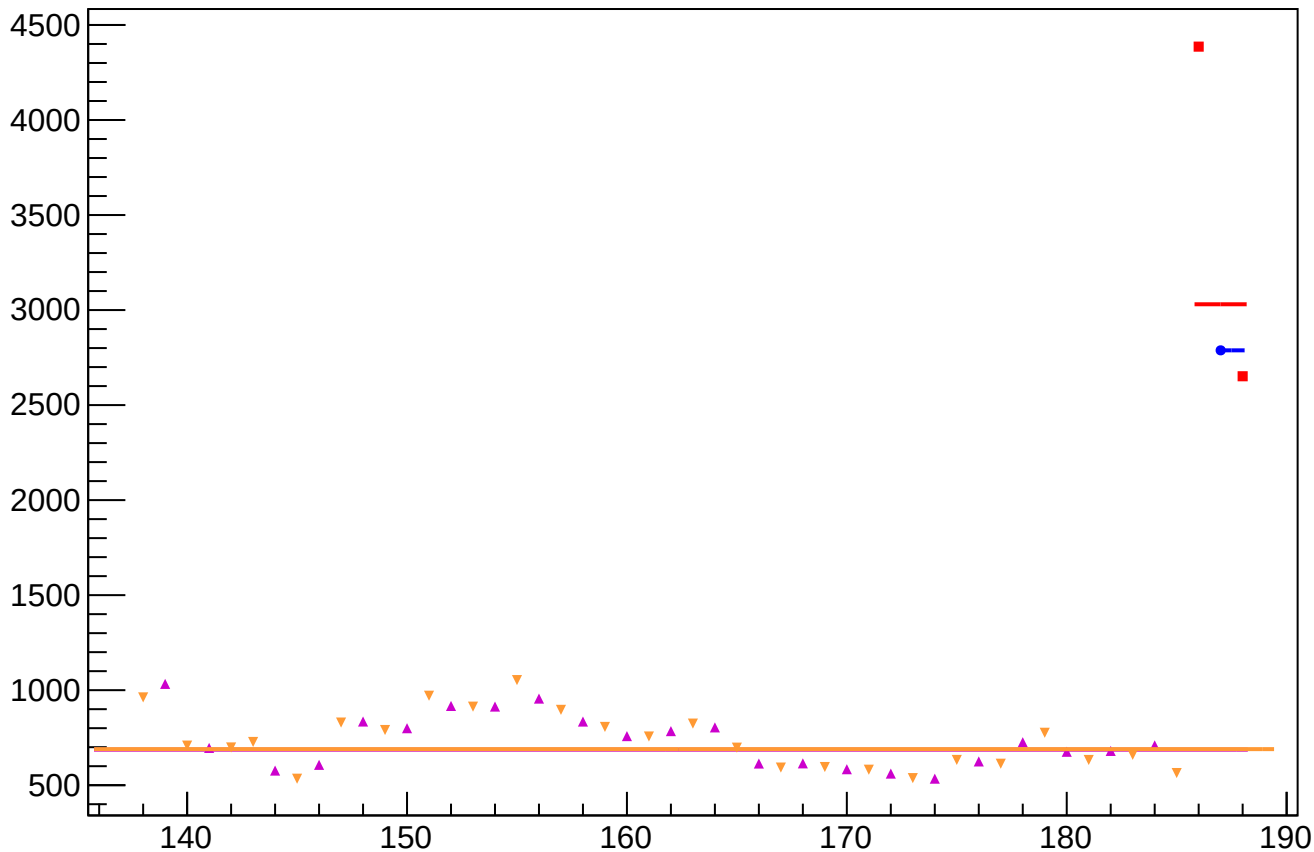
Right: 2559.652+/-3039.406 χ^2/NDF : 0.9/2

In: -40.945+/-166.683 χ^2/NDF : 24.1/23

Out: 878.278+/-164.072 χ^2/NDF : 65.3/26

All: 425.922+/-116.928 χ^2/NDF : 104.9/50

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: 3030.462+/-2.372 χ^2/NDF : 91241.0/1

Left In: 686.944+/-0.118 χ^2/NDF :1116042.4/22

Left: 688.376+/-0.083 χ^2/NDF : 2374942.1/47

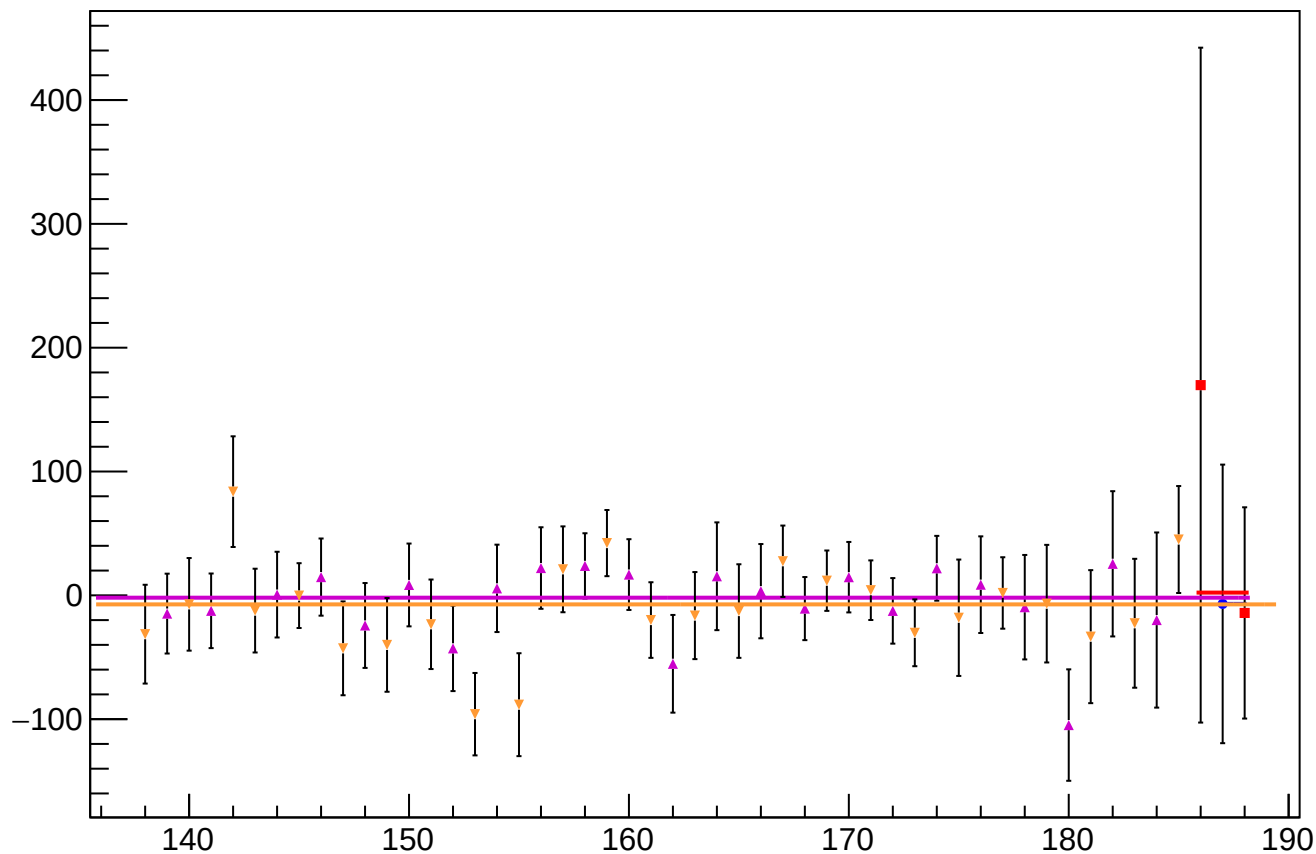
Right: 2987.024+/-2.149 χ^2/NDF : 93112.0/2

In: 688.076+/-0.118 χ^2/NDF :1287221.5/23

Out: 695.365+/-0.116 χ^2/NDF :2321122.2/26

All: 691.778+/-0.083 χ^2/NDF : 3610286.2/50

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -6.914 ± 112.492 χ^2/NDF : 0.0/0

Left Out: -7.302 ± 6.746 χ^2/NDF : 26.7/24

Right Out: 2.212 ± 81.414 χ^2/NDF : 0.4/1

Left In: -1.899 ± 6.962 χ^2/NDF : 13.5/22

Left: -4.686 ± 4.845 χ^2/NDF : 40.5/47

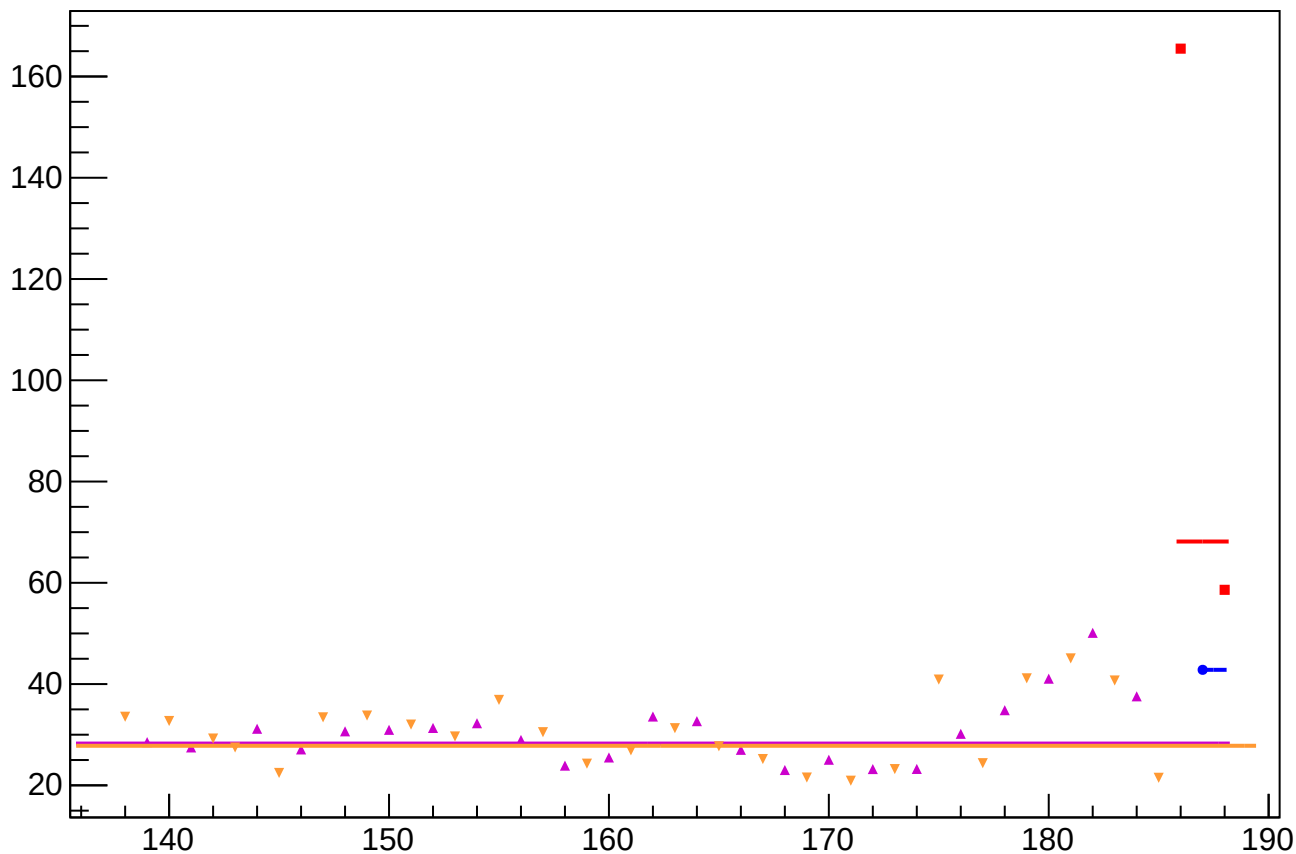
Right: -0.925 ± 65.953 χ^2/NDF : 0.4/2

In: -1.919 ± 6.949 χ^2/NDF : 13.5/23

Out: -7.237 ± 6.723 χ^2/NDF : 27.1/26

All: -4.665 ± 4.832 χ^2/NDF : 40.9/50

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 42.814 $\pm$ 0.080 χ^2 /NDF: 0.0/0

Left Out: 27.814 $\pm$ 0.005 χ^2 /NDF:1536291.1/24

Right Out: 68.154 $\pm$ 0.058 χ^2 /NDF: 280188.9/1

Left In: 28.249 $\pm$ 0.005 χ^2 /NDF:1000650.4/22

Left: 28.025 $\pm$ 0.003 χ^2 /NDF: 2540972.9/47

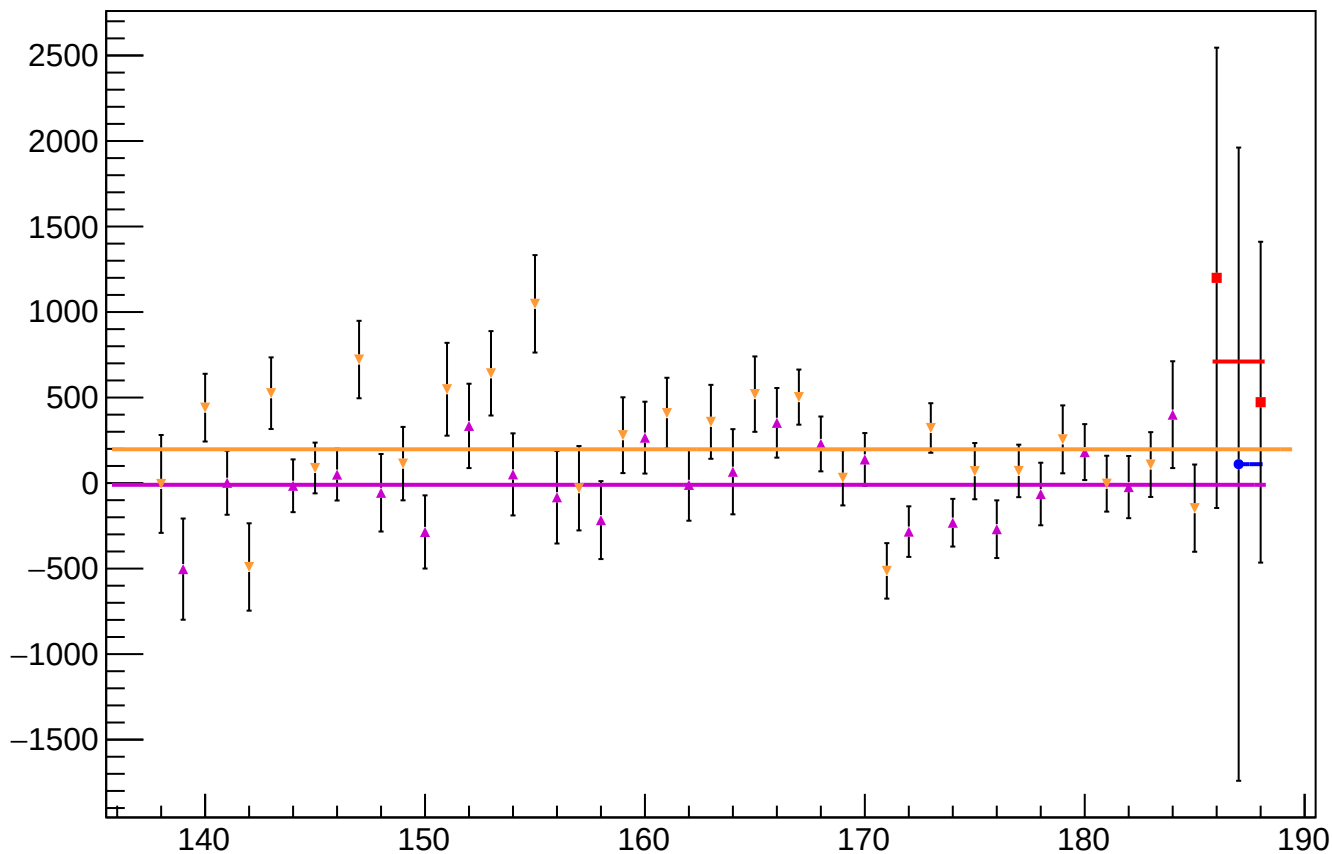
Right: 59.444 $\pm$ 0.047 χ^2 /NDF: 346789.7/2

In: 28.305 $\pm$ 0.005 χ^2 /NDF:1034049.9/23

Out: 28.089 $\pm$ 0.005 χ^2 /NDF:2304158.0/26

All: 28.194 $\pm$ 0.003 χ^2 /NDF: 3339203.4/50

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 110.413 $\pm$ 1851.139 χ^2 /NDF: 0.0/0

Left Out: 197.433 $\pm$ 39.070 χ^2 /NDF:65.9/24

Right Out: 710.625 $\pm$ 769.505 χ^2 /NDF: 0.2/1

Left In: -10.177 $\pm$ 39.512 χ^2 /NDF:27.2/22

Left: 94.796 $\pm$ 27.781 χ^2 /NDF: 107.0/47

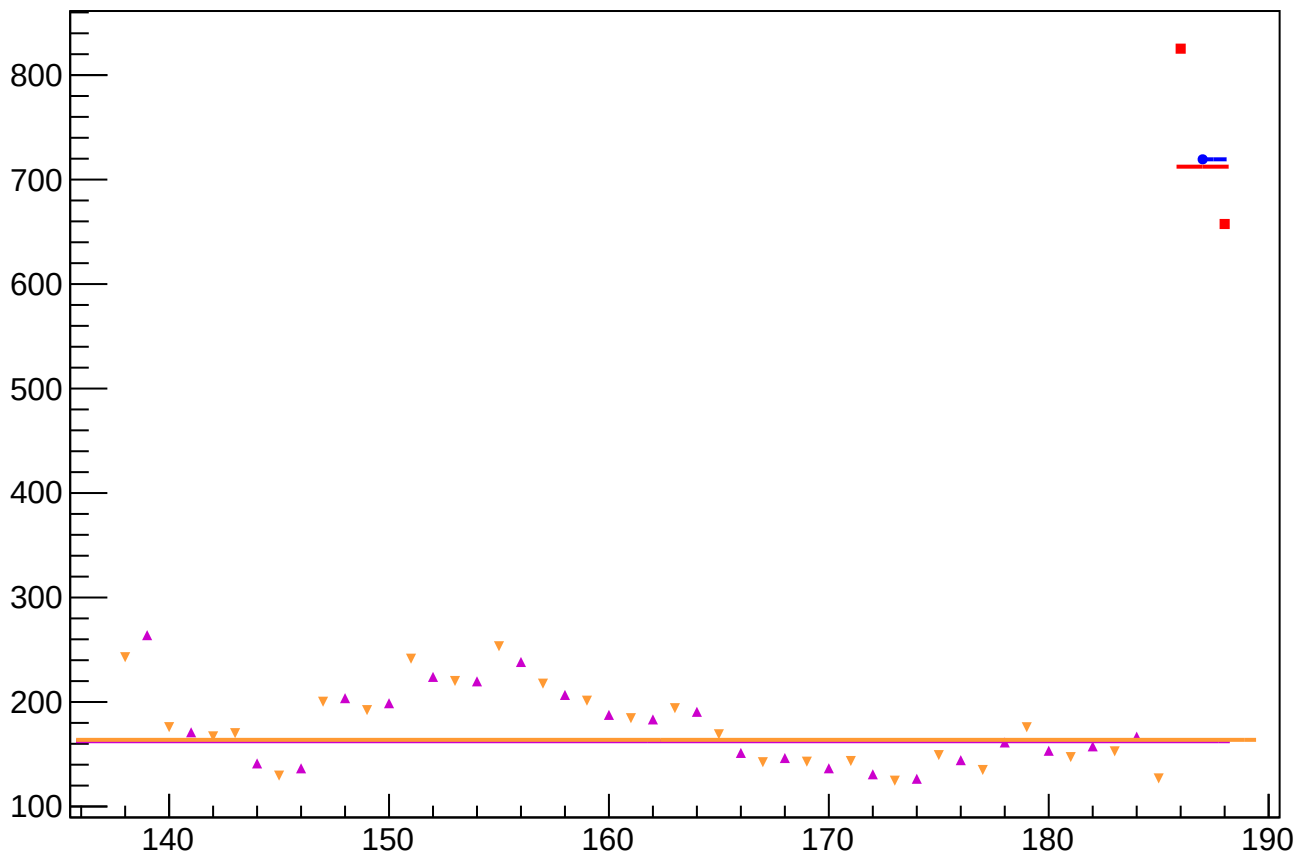
Right: 622.189 $\pm$ 710.558 χ^2 /NDF: 0.3/2

In: -10.122 $\pm$ 39.503 χ^2 /NDF:27.2/23

Out: 198.753 $\pm$ 39.019 χ^2 /NDF:66.5/26

All: 95.601 $\pm$ 27.760 χ^2 /NDF: 107.9/50

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 719.395+/-1.309 χ^2/NDF : 0.0/0

Left Out: 163.781+/-0.028 χ^2/NDF :1443221.9/24

Right Out: 712.356+/-0.544 χ^2/NDF : 20930.3/1

Left In: 162.447+/-0.028 χ^2/NDF :1344185.5/22

Left: 163.121+/-0.020 χ^2/NDF : 2788559.8/47

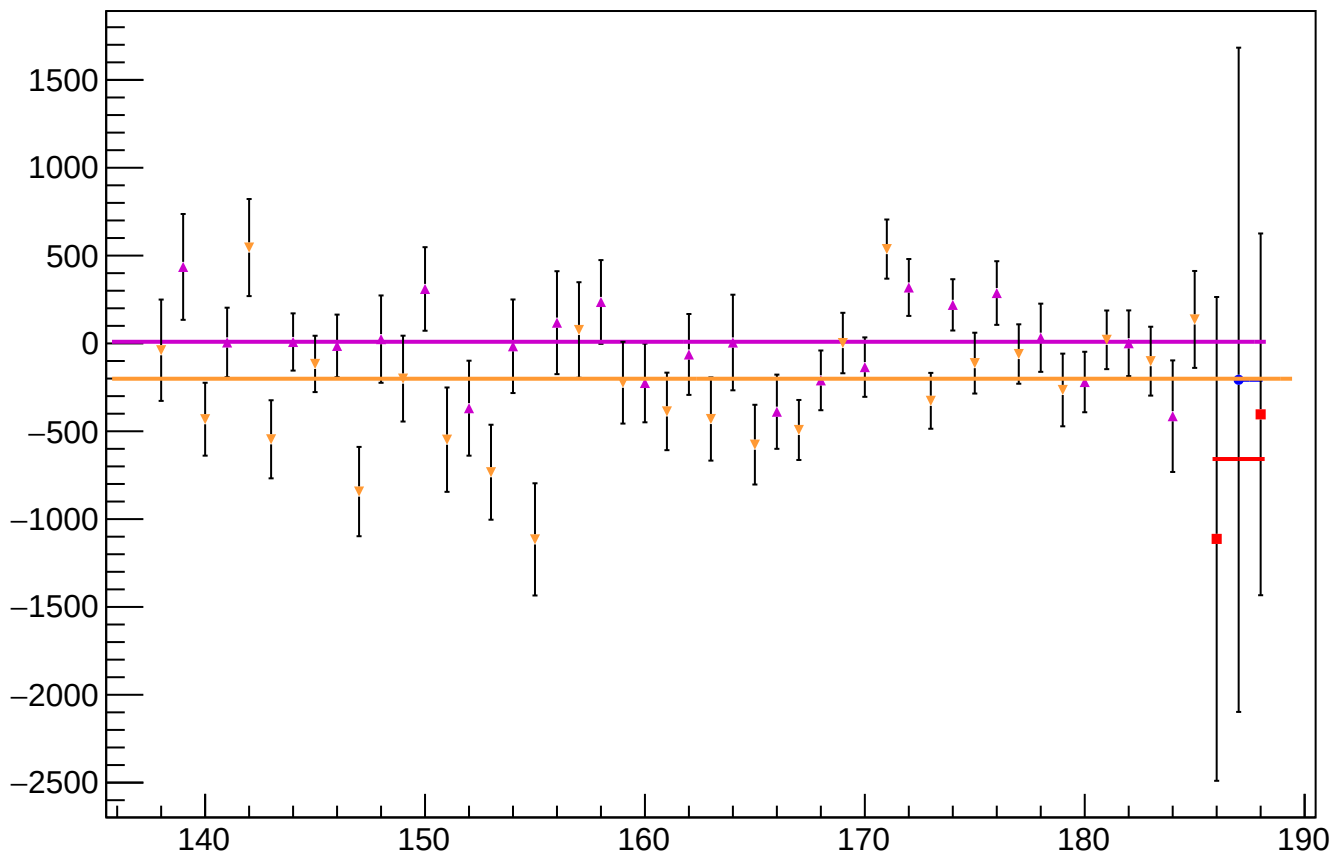
Right: 713.393+/-0.502 χ^2/NDF : 20955.0/2

In: 162.701+/-0.028 χ^2/NDF :1525146.0/23

Out: 165.191+/-0.028 χ^2/NDF :2477973.8/26

All: 163.961+/-0.020 χ^2/NDF : 4007144.4/50

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -207.026 ± 1890.566 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -200.930 ± 41.741 $\chi^2/\text{NDF}: 65.5/24$

Right Out: -657.930 ± 824.576 $\chi^2/\text{NDF}: 0.2/1$

Left In: 9.384 ± 42.437 $\chi^2/\text{NDF}: 25.4/22$

Left: -97.511 ± 29.758 $\chi^2/\text{NDF}: 103.4/47$

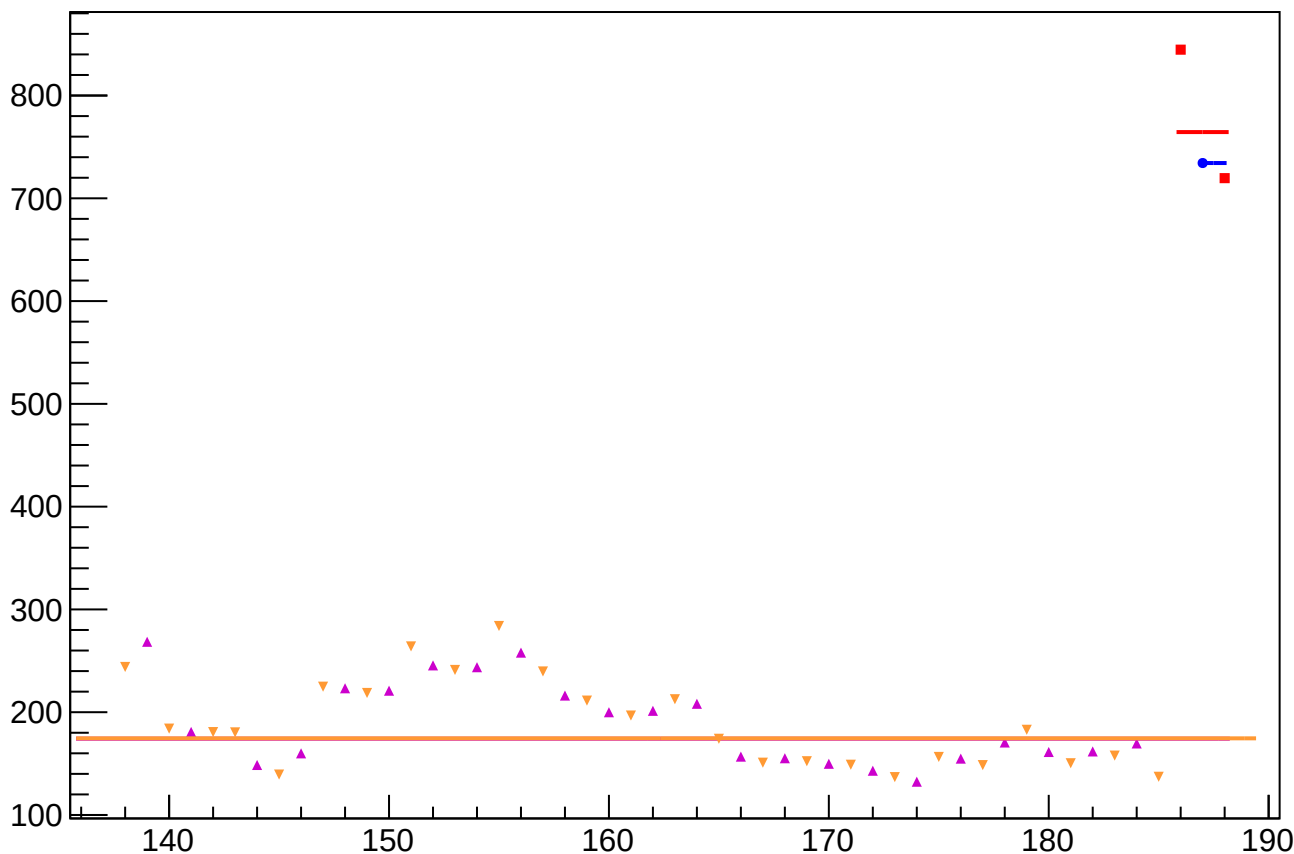
Right: -585.864 ± 755.815 $\chi^2/\text{NDF}: 0.2/2$

In: 9.275 ± 42.426 $\chi^2/\text{NDF}: 25.4/23$

Out: -202.098 ± 41.688 $\chi^2/\text{NDF}: 66.0/26$

All: -98.267 ± 29.735 $\chi^2/\text{NDF}: 104.0/50$

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 734.330+/-1.337 χ^2/NDF : 0.0/0

Left Out: 174.567+/-0.030 χ^2/NDF :1532900.3/24

Right Out: 764.449+/-0.583 χ^2/NDF : 10571.0/1

Left In: 174.217+/-0.030 χ^2/NDF :1364600.9/22

Left: 174.395+/-0.021 χ^2/NDF : 2897570.3/47

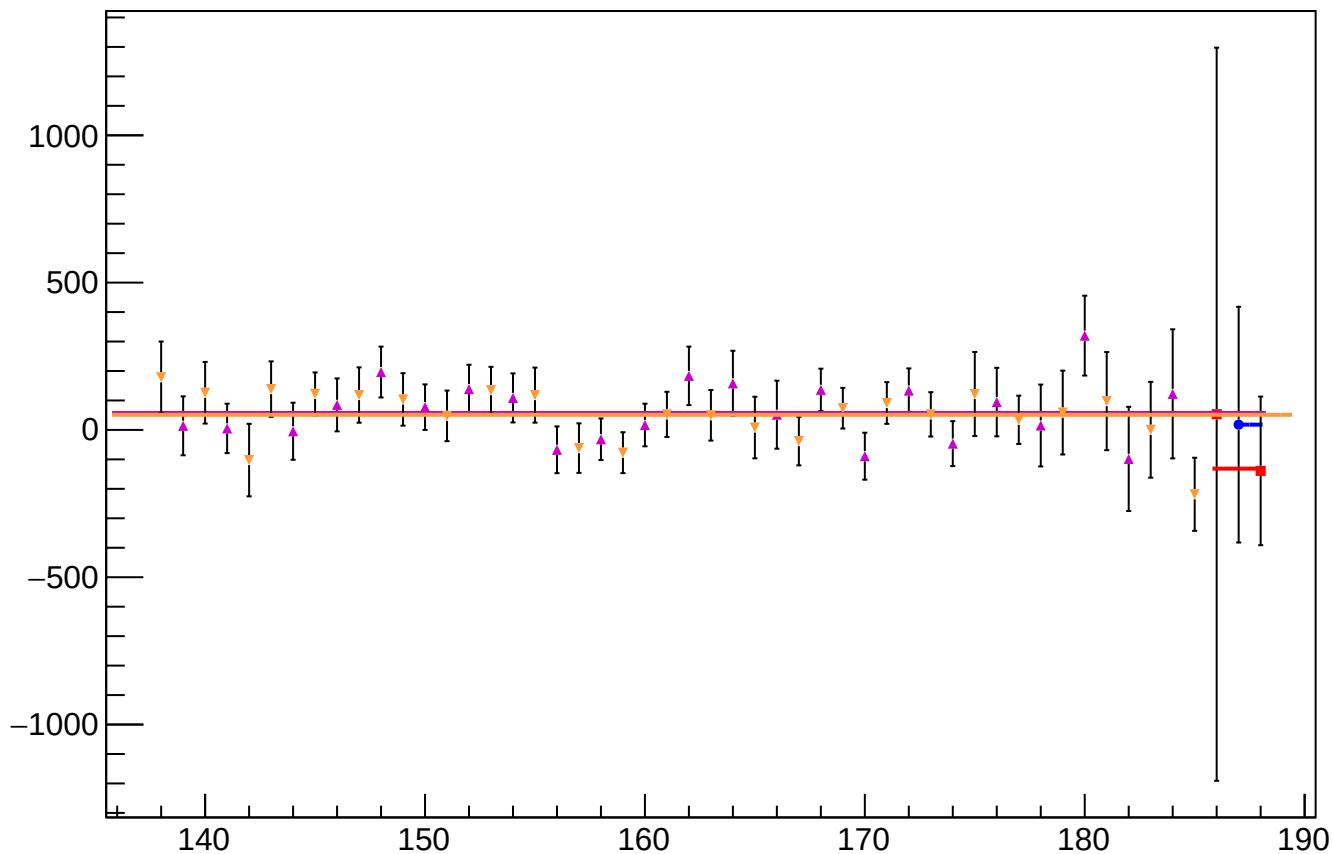
Right: 759.635+/-0.534 χ^2/NDF : 10997.5/2

In: 174.499+/-0.030 χ^2/NDF :1540061.3/23

Out: 176.074+/-0.029 χ^2/NDF :2564380.8/26

All: 175.301+/-0.021 χ^2/NDF : 4105845.2/50

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 17.879+/-400.109 χ^2/NDF : 0.0/0

Left Out: 51.287+/-18.131 χ^2/NDF :19.7/24

Right Out: -131.500+/-247.227 χ^2/NDF : 0.0/1

Left In: 57.530+/-18.875 χ^2/NDF :24.2/22

Left: 54.283+/-13.076 χ^2/NDF : 43.9/47

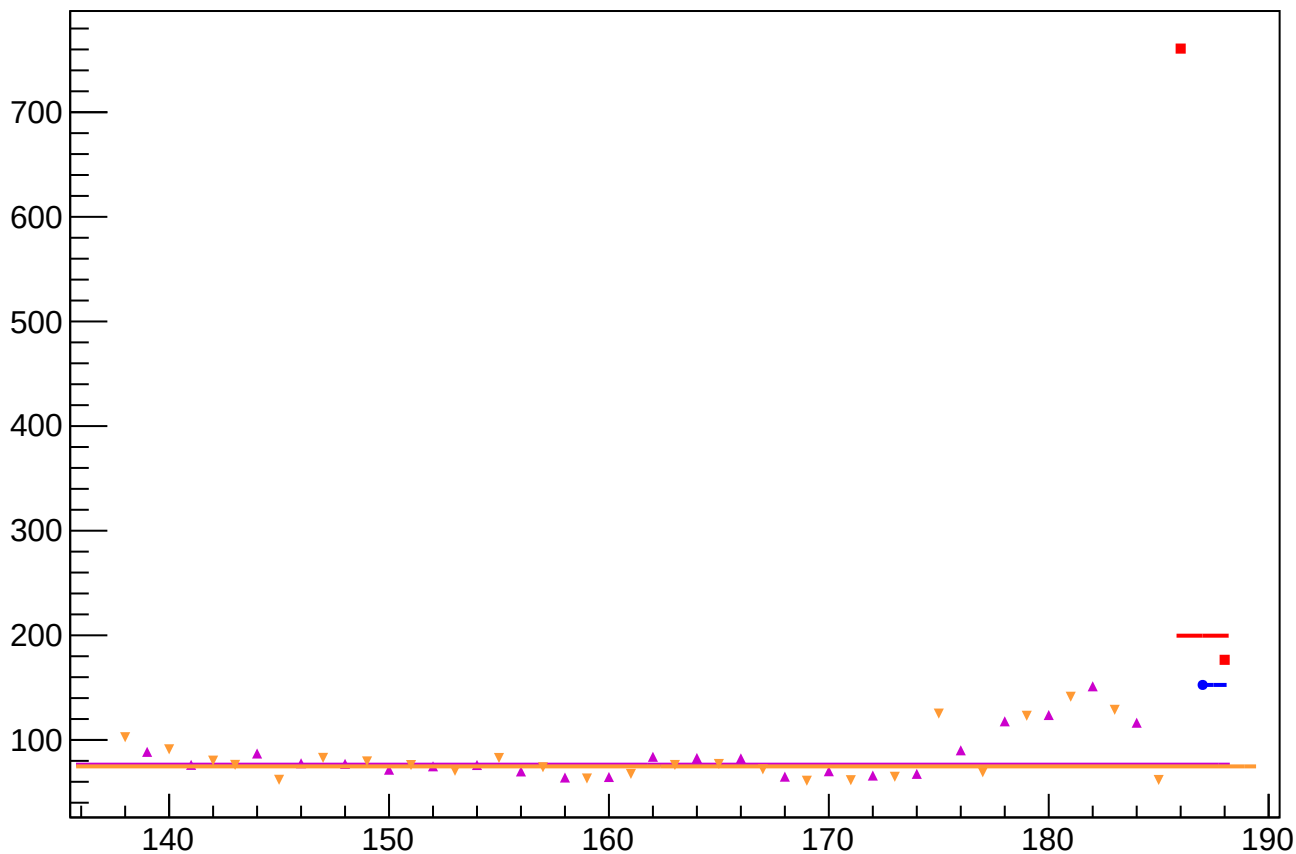
Right: -90.226+/-210.317 χ^2/NDF : 0.1/2

In: 57.441+/-18.854 χ^2/NDF :24.2/23

Out: 50.310+/-18.082 χ^2/NDF :20.2/26

All: 53.727+/-13.051 χ^2/NDF : 44.5/50

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 152.589 $\pm$ 0.283 χ^2 /NDF: 0.0/0

Left Out: 74.721 $\pm$ 0.013 χ^2 /NDF:1575194.4/24

Right Out: 199.657 $\pm$ 0.175 χ^2 /NDF: 423544.4/1

Left In: 76.366 $\pm$ 0.013 χ^2 /NDF:1218796.6/22

Left: 75.511 $\pm$ 0.009 χ^2 /NDF: 2801897.9/47

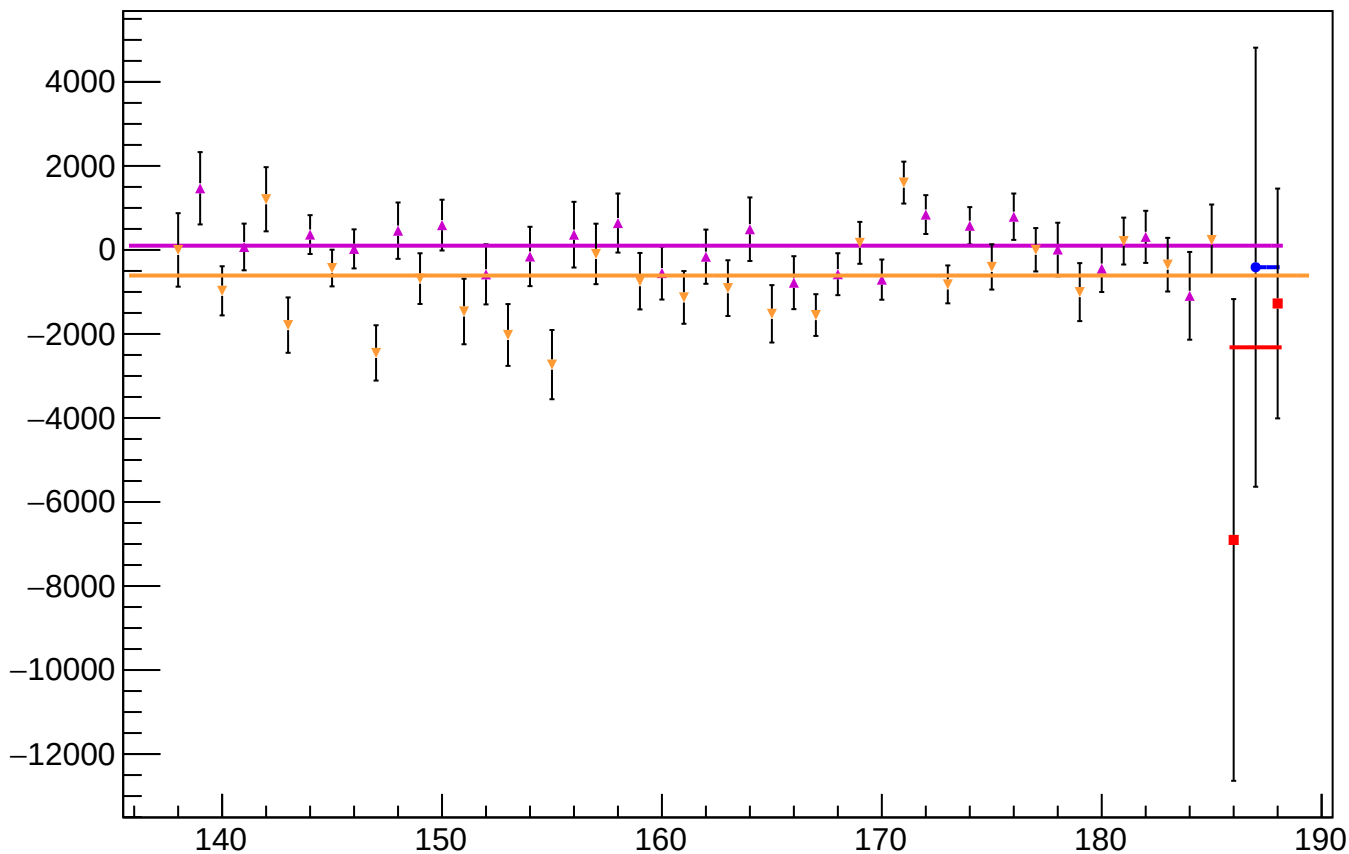
Right: 186.651 $\pm$ 0.149 χ^2 /NDF: 443574.2/2

In: 76.536 $\pm$ 0.013 χ^2 /NDF:1291218.9/23

Out: 75.389 $\pm$ 0.013 χ^2 /NDF:2506758.9/26

All: 75.939 $\pm$ 0.009 χ^2 /NDF: 3801830.2/50

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -411.132+/-5226.215 χ^2/NDF : 0.0/0

Left Out: -609.040+/-121.297 χ^2/NDF : 63.6/24

Right Out: -2317.825+/-2468.681 χ^2/NDF : 0.8/1

Left In: 101.332+/-122.813 χ^2/NDF : 21.4/22

Left: -258.264+/-86.301 χ^2/NDF : 101.9/47

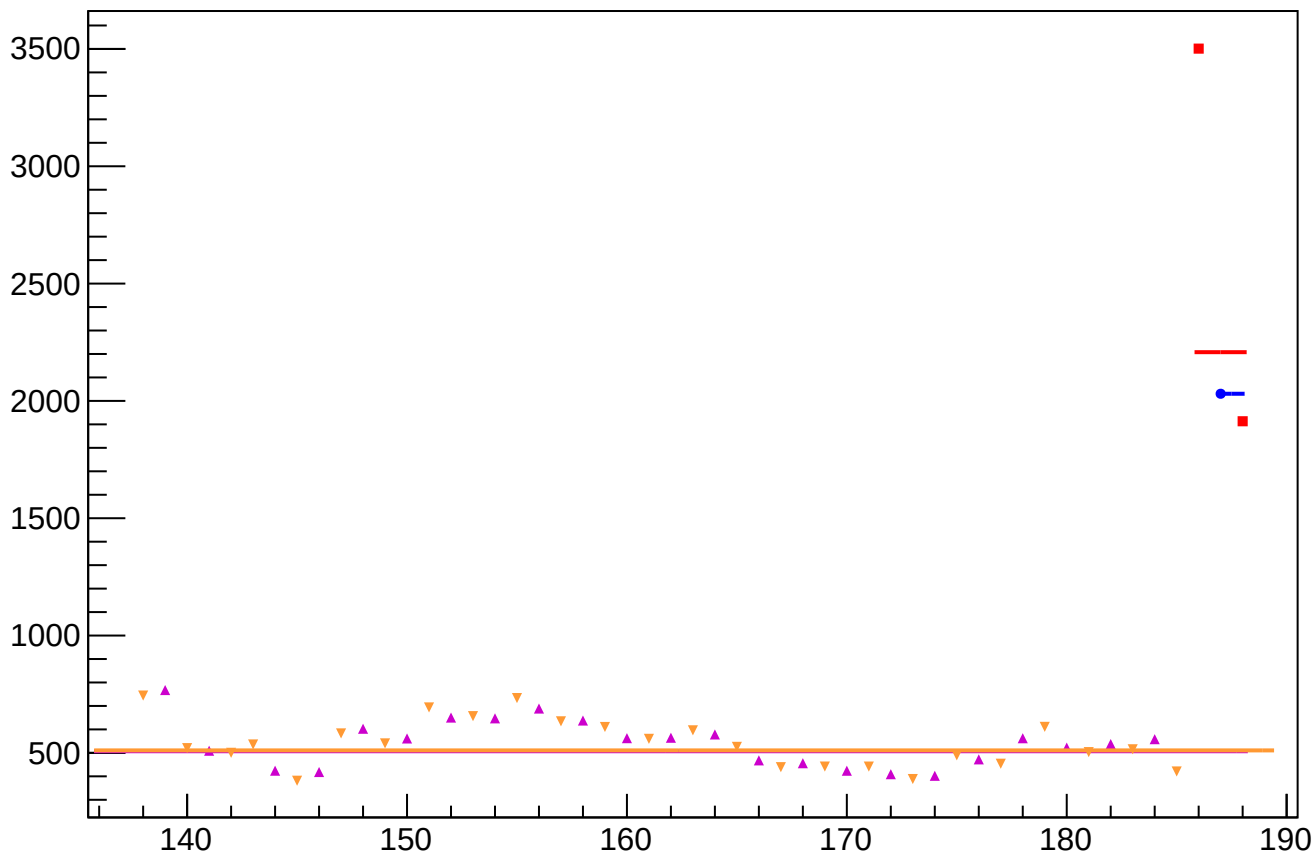
Right: -1969.998+/-2232.178 χ^2/NDF : 0.9/2

In: 101.050+/-122.779 χ^2/NDF : 21.4/23

Out: -613.155+/-121.151 χ^2/NDF : 64.8/26

All: -260.819+/-86.237 χ^2/NDF : 103.4/50

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 2030.462+/-3.695 χ^2/NDF : 0.0/0

Left Out: 510.503+/-0.086 χ^2/NDF :1193161.7/24

Right Out: 2207.695+/-1.746 χ^2/NDF : 124999.5/1

Left In: 506.907+/-0.087 χ^2/NDF :1088118.5/22

Left: 508.727+/-0.061 χ^2/NDF : 2282148.3/47

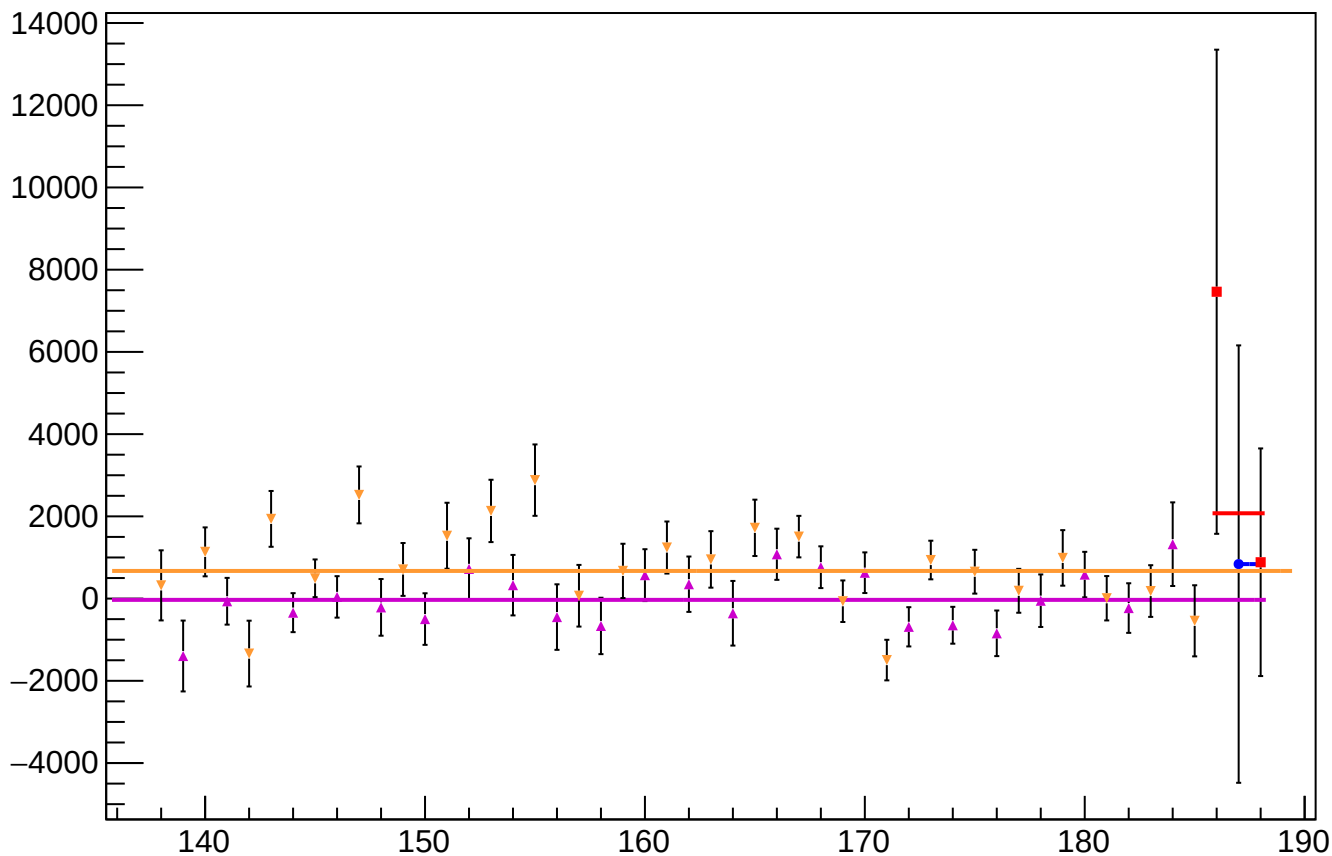
Right: 2175.364+/-1.578 χ^2/NDF : 126880.0/2

In: 507.748+/-0.087 χ^2/NDF :1257994.6/23

Out: 514.590+/-0.086 χ^2/NDF :2261168.6/26

All: 511.215+/-0.061 χ^2/NDF : 3522310.9/50

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: 2075.155+/-2505.233 χ^2/NDF : 1.0/1

Left In: -31.056+/-125.236 χ^2/NDF : 23.8/22

Left: 325.838+/-87.909 χ^2/NDF : 102.6/47

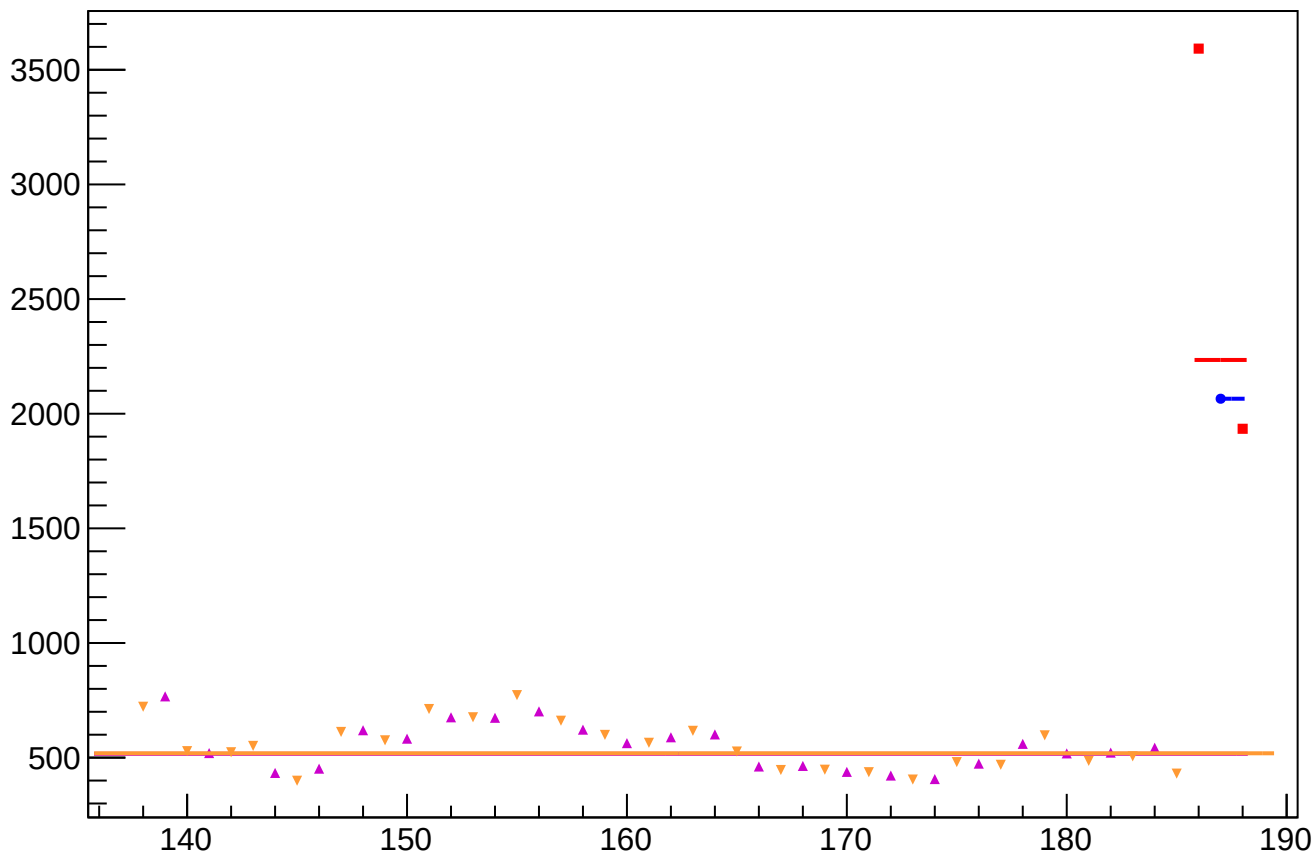
Right: 1850.783+/-2266.471 χ^2/NDF : 1.1/2

In: -30.574+/-125.202 χ^2/NDF : 23.9/23

Out: 675.894+/-123.278 χ^2/NDF : 64.1/26

All: 328.129+/-87.843 χ^2/NDF : 104.1/50

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: 2234.463+/-1.771 χ^2/NDF : 129881.9/1

Left In: 516.594+/-0.089 χ^2/NDF :1036092.8/22

Left: 517.782+/-0.062 χ^2/NDF : 2209061.2/47

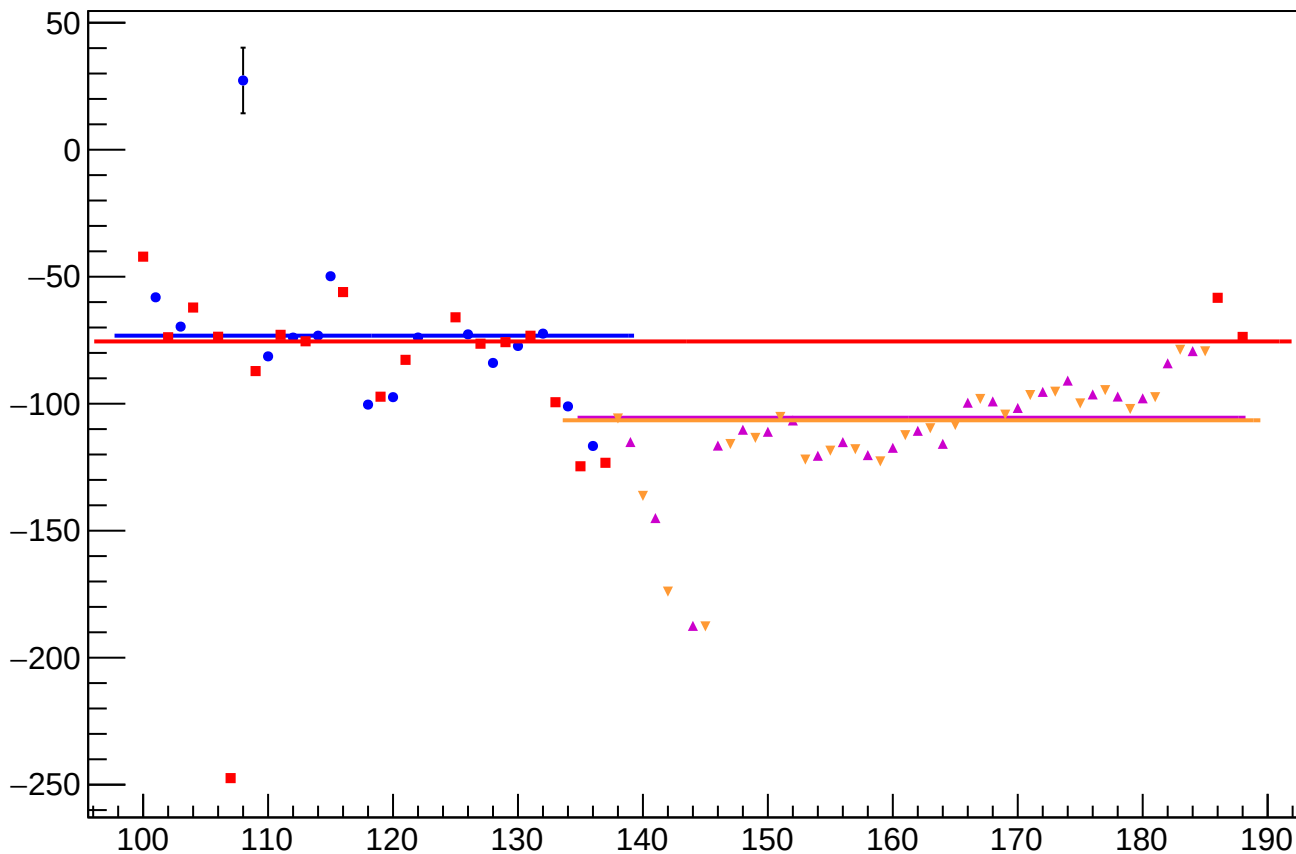
Right: 2203.766+/-1.603 χ^2/NDF : 131536.2/2

In: 517.452+/-0.089 χ^2/NDF :1205526.8/23

Out: 523.089+/-0.087 χ^2/NDF :2238066.8/26

All: 520.314+/-0.062 χ^2/NDF : 3445652.1/50

dit_usl_4aX_slope vs Slug, Sign Corrected



Right In: -73.209 ± 0.000 $\chi^2/\text{NDF}: 127655.5/15$

Left Out: -106.530 ± 0.050 $\chi^2/\text{NDF}: 86114.7/23$

Right Out: -75.482 ± 0.074 $\chi^2/\text{NDF}: 57889.7/19$

Left In: -105.520 ± 0.046 $\chi^2/\text{NDF}: 128731.9/22$

Left: -105.982 ± 0.034 $\chi^2/\text{NDF}: 215070.7/46$

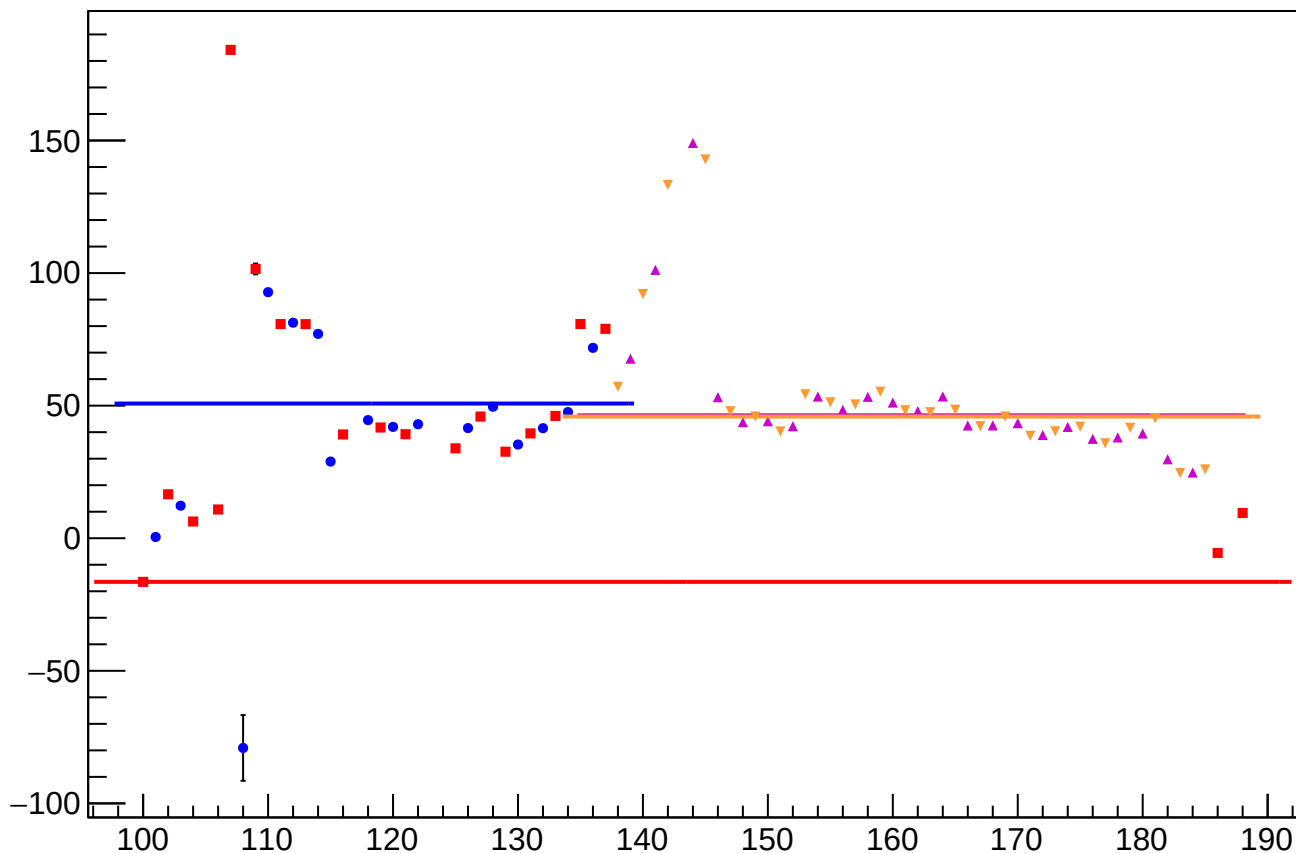
Right: -73.209 ± 0.000 $\chi^2/\text{NDF}: 186494.0/35$

In: -73.209 ± 0.000 $\chi^2/\text{NDF}: 757334.2/38$

Out: -96.835 ± 0.041 $\chi^2/\text{NDF}: 265794.8/43$

All: -73.209 ± 0.000 $\chi^2/\text{NDF}: 1351484.4/82$

dit_usl_4eX_slope vs Slug, Sign Corrected



Right In: 50.796 ± 0.074 χ^2/NDF : 89943.6/15

Left Out: 45.893 ± 0.042 χ^2/NDF : 80415.6/23

Right Out: -16.452 ± 0.000 χ^2/NDF : 547987.1/19

Left In: 46.346 ± 0.040 χ^2/NDF : 165523.0/22

Left: 46.131 ± 0.029 χ^2/NDF : 246000.6/46

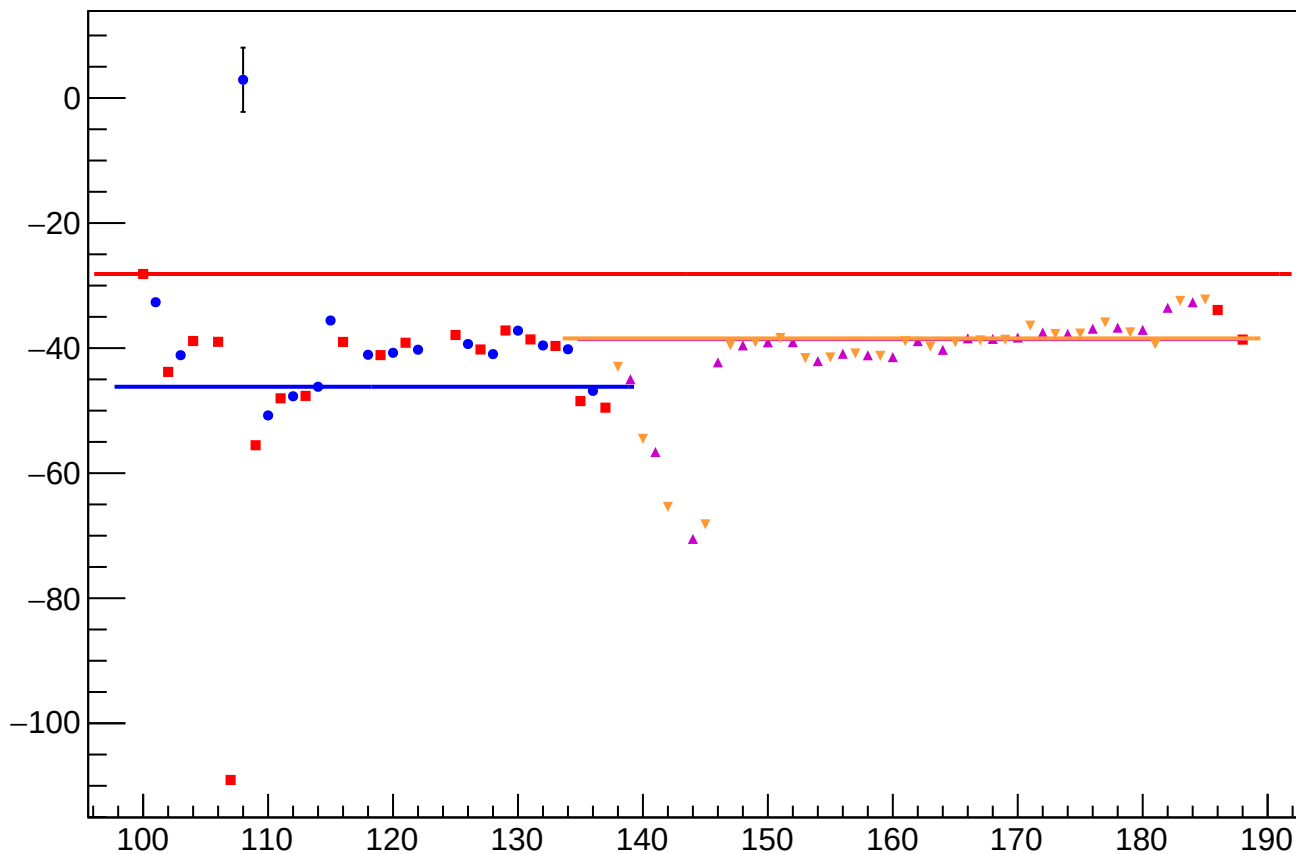
Right: -16.452 ± 0.000 χ^2/NDF : 1458791.6/35

In: 47.336 ± 0.035 χ^2/NDF : 258261.4/38

Out: -16.452 ± 0.000 χ^2/NDF : 2859256.8/43

All: -16.452 ± 0.000 χ^2/NDF : 6439351.4/82

dit_usl_11X12X_slope vs Slug, Sign Corrected



Right In: -46.180+/-0.000 χ^2/NDF : 472878.7/15

Left Out: -38.448+/-0.006 χ^2/NDF : 406675.3/23

Right Out: -28.144+/-0.000 χ^2/NDF : 781620.3/19

Left In: -38.560+/-0.007 χ^2/NDF : 334709.2/22

Left: -38.496+/-0.004 χ^2/NDF : 741549.7/46

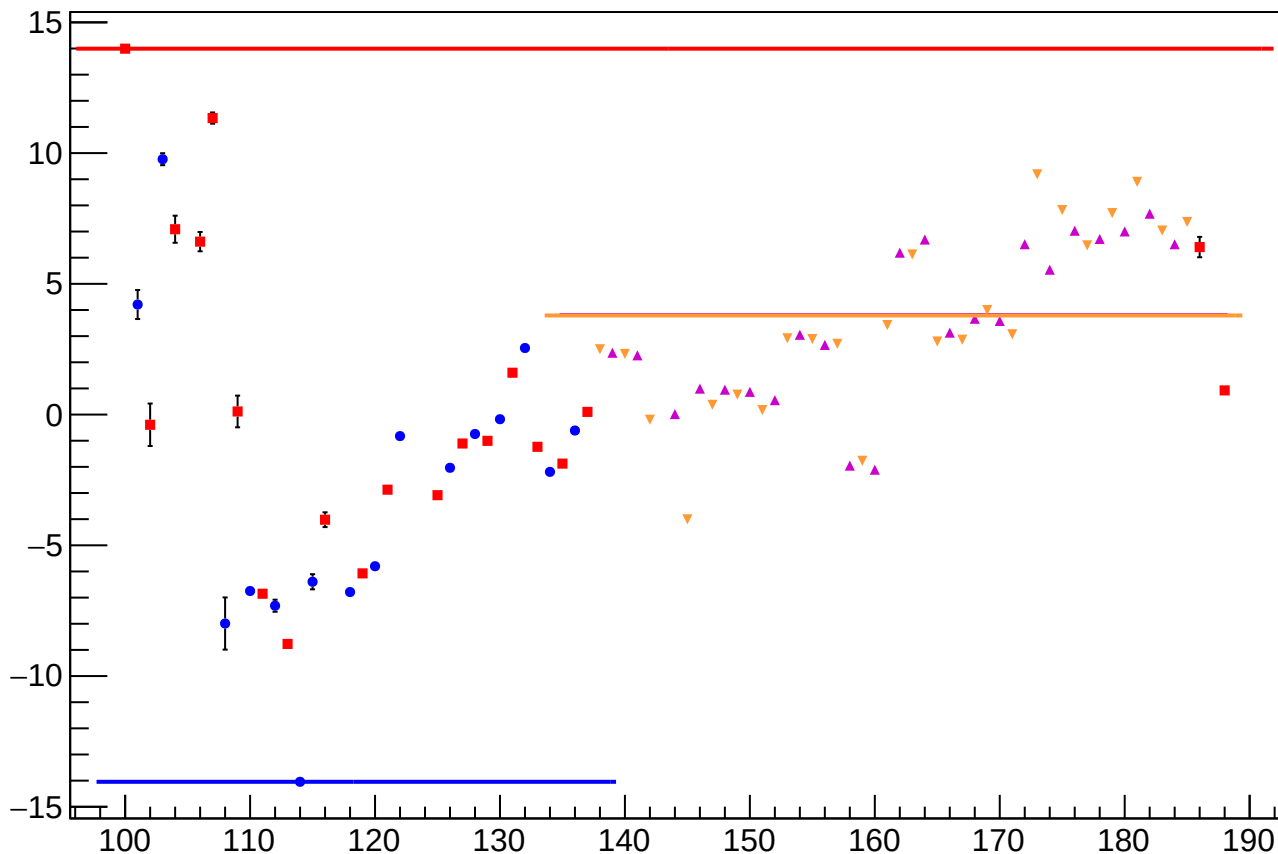
Right: -33.813+/-0.000 χ^2/NDF : 539977182263583

In: -46.180+/-0.000 χ^2/NDF : 2162590.1/38

Out: -28.144+/-0.000 χ^2/NDF : 4451121.7/43

All: -33.813+/-0.000 χ^2/NDF : 539977182263

dit_usl_4aY_slope vs Slug, Sign Corrected



Right In: -14.044 ± 0.000 $\chi^2/\text{NDF}: 759846.3/15$

Left Out: 3.790 ± 0.007 $\chi^2/\text{NDF}: 202429.5/23$

Right Out: 13.994 ± 0.000 $\chi^2/\text{NDF}: 395693.3/19$

Left In: 3.809 ± 0.006 $\chi^2/\text{NDF}: 229467.1/22$

Left: 3.801 ± 0.004 $\chi^2/\text{NDF}: 431901.1/46$

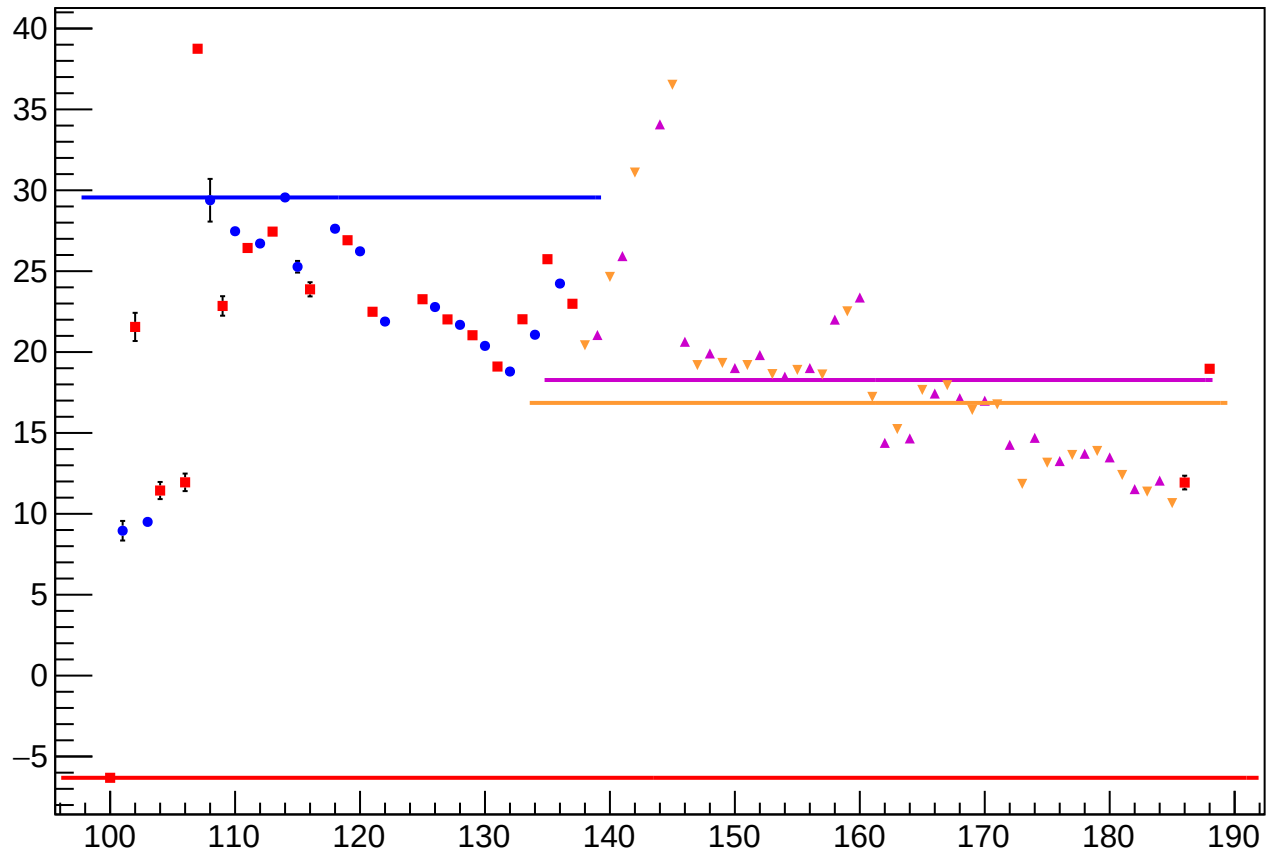
Right: 5.182 ± 0.000 $\chi^2/\text{NDF}: 46979633245184581$

In: -14.044 ± 0.000 $\chi^2/\text{NDF}: 10309717.6/38$

Out: 13.994 ± 0.000 $\chi^2/\text{NDF}: 2752837.1/43$

All: 5.182 ± 0.000 $\chi^2/\text{NDF}: 46979633245184$

dit_usl_4eY_slope vs Slug, Sign Corrected



Right In: 29.557 ± 0.000 $\chi^2/\text{NDF}: 88755.1/15$

Left Out: 16.857 ± 0.007 $\chi^2/\text{NDF}: 184038.5/23$

Right Out: -6.317 ± 0.000 $\chi^2/\text{NDF}: 1659559.7/19$

Left In: 18.272 ± 0.007 $\chi^2/\text{NDF}: 237719.2/22$

Left: 17.563 ± 0.005 $\chi^2/\text{NDF}: 441496.1/46$

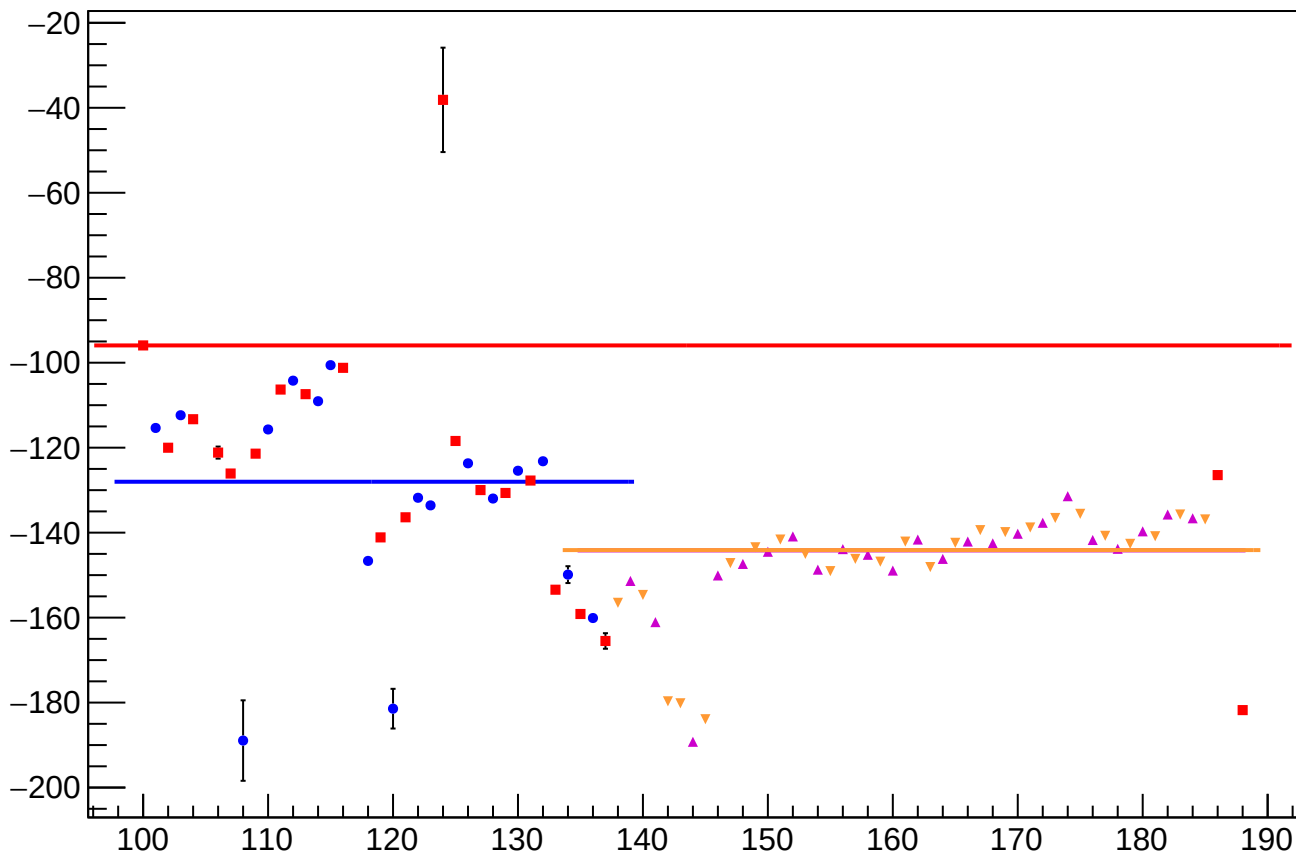
Right: -2.629 ± 0.000 $\chi^2/\text{NDF}: 1006300357398160$

In: 29.557 ± 0.000 $\chi^2/\text{NDF}: 2830215.4/38$

Out: -6.317 ± 0.000 $\chi^2/\text{NDF}: 12449246.5/43$

All: -2.629 ± 0.000 $\chi^2/\text{NDF}: 1006300357398$

dit_usr_4aX_slope vs Slug, Sign Corrected



Right In: -128.021 ± 0.098 $\chi^2/\text{NDF}: 38162.5/16$

Left Out: -144.107 ± 0.041 $\chi^2/\text{NDF}: 43993.9/24$

Right Out: -95.934 ± 0.000 $\chi^2/\text{NDF}: 242004.5/20$

Left In: -144.184 ± 0.045 $\chi^2/\text{NDF}: 34723.9/22$

Left: -144.142 ± 0.030 $\chi^2/\text{NDF}: 78719.4/47$

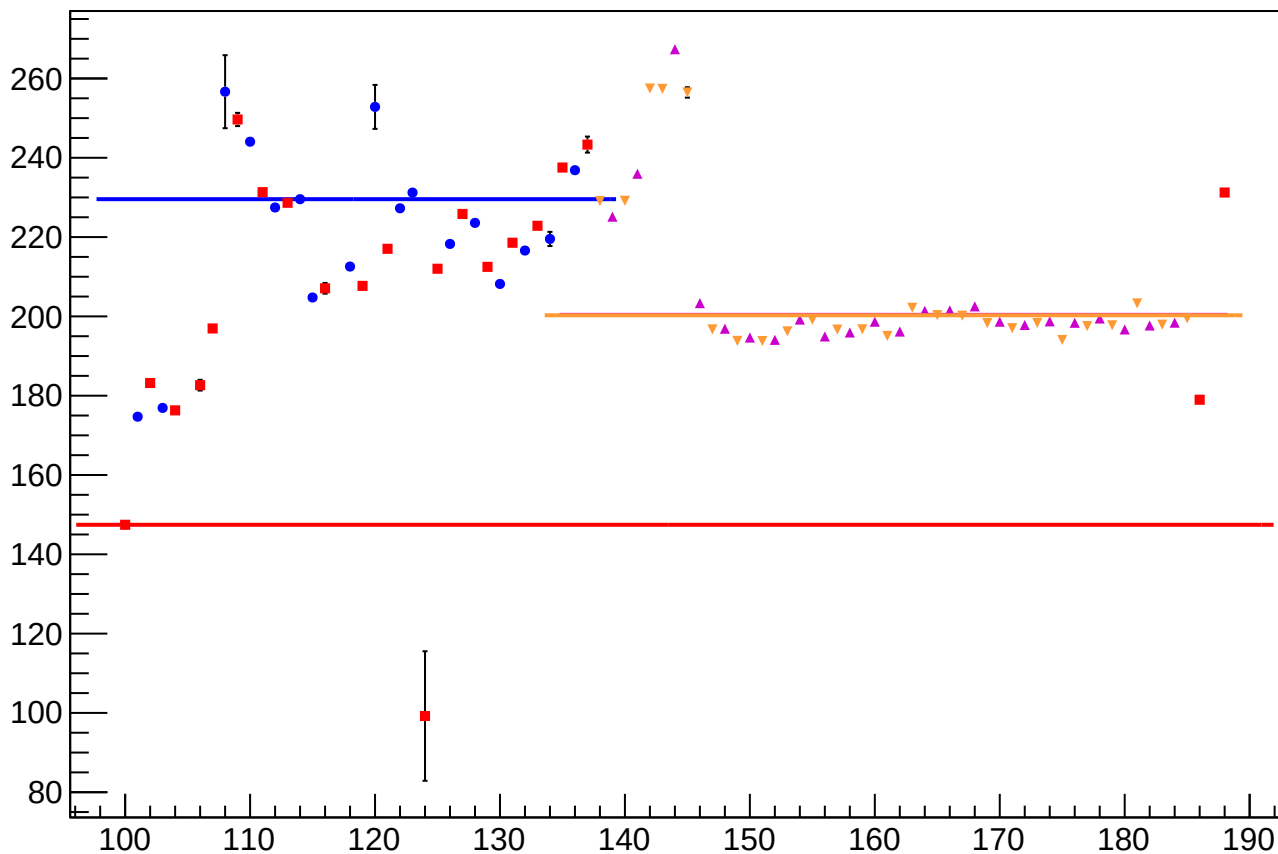
Right: -95.934 ± 0.000 $\chi^2/\text{NDF}: 386758.1/37$

In: -141.376 ± 0.041 $\chi^2/\text{NDF}: 95234.3/39$

Out: -95.934 ± 0.000 $\chi^2/\text{NDF}: 1656693.8/45$

All: -95.934 ± 0.000 $\chi^2/\text{NDF}: 2982299.6/85$

dit_usr_4eX_slope vs Slug, Sign Corrected



Right In: 229.560 ± 0.000 χ^2/NDF : 37813.1/16

Left Out: 200.282 ± 0.034 χ^2/NDF : 109893.0/24

Right Out: 147.445 ± 0.000 χ^2/NDF : 671672.9/20

Left In: 200.386 ± 0.039 χ^2/NDF : 77918.6/22

Left: 200.327 ± 0.026 χ^2/NDF : 187815.6/47

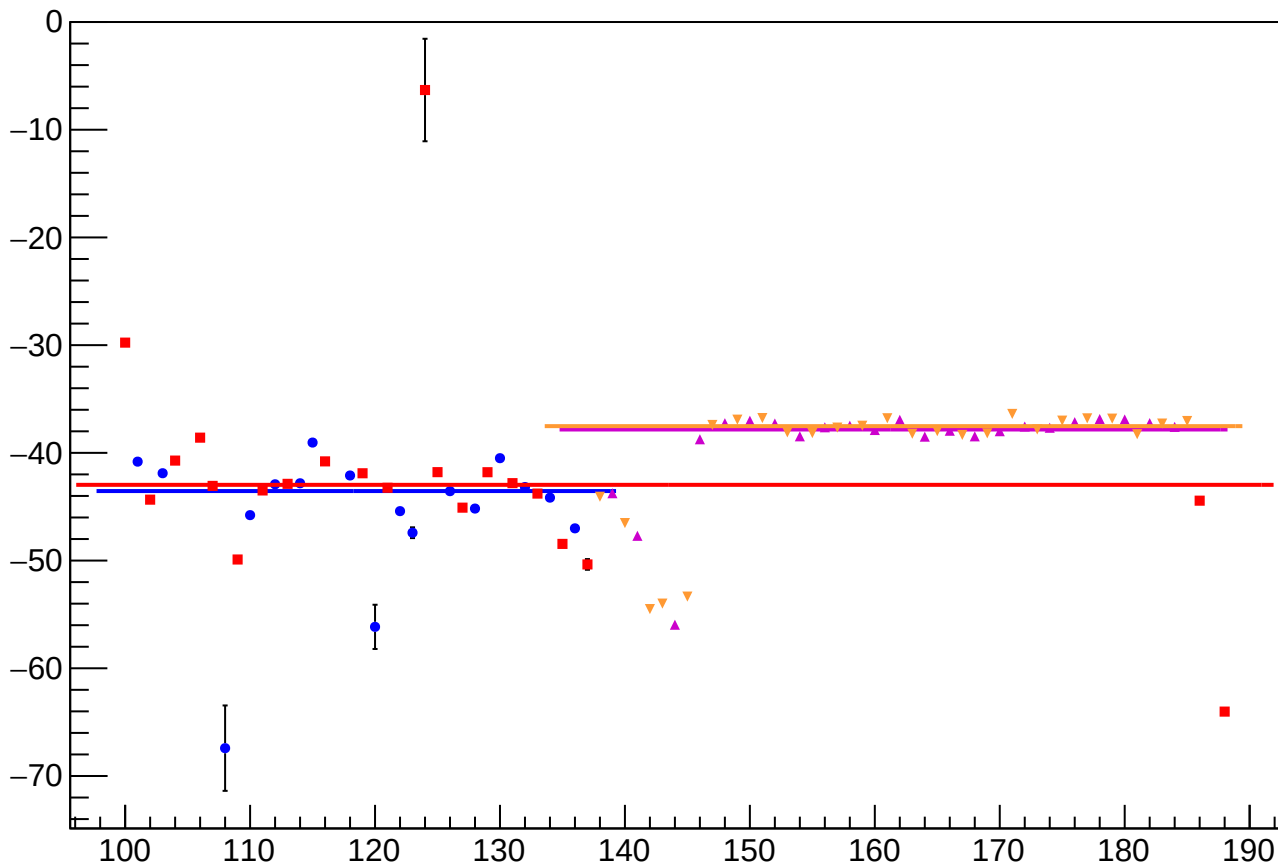
Right: 173.253 ± 0.000 χ^2/NDF : 157405034293311

In: 229.560 ± 0.000 χ^2/NDF : 671214.4/39

Out: 147.445 ± 0.000 χ^2/NDF : 3191264.6/45

All: 173.253 ± 0.000 χ^2/NDF : 157405034293

dit_usr_11X12X_slope vs Slug, Sign Corrected



Right In: -43.546 ± 0.023 $\chi^2/\text{NDF}: 12997.3/16$

Left Out: -37.519 ± 0.004 $\chi^2/\text{NDF}: 252804.2/24$

Right Out: -42.969 ± 0.020 $\chi^2/\text{NDF}: 25901.2/20$

Left In: -37.832 ± 0.004 $\chi^2/\text{NDF}: 142924.4/22$

Left: -37.657 ± 0.003 $\chi^2/\text{NDF}: 398870.8/47$

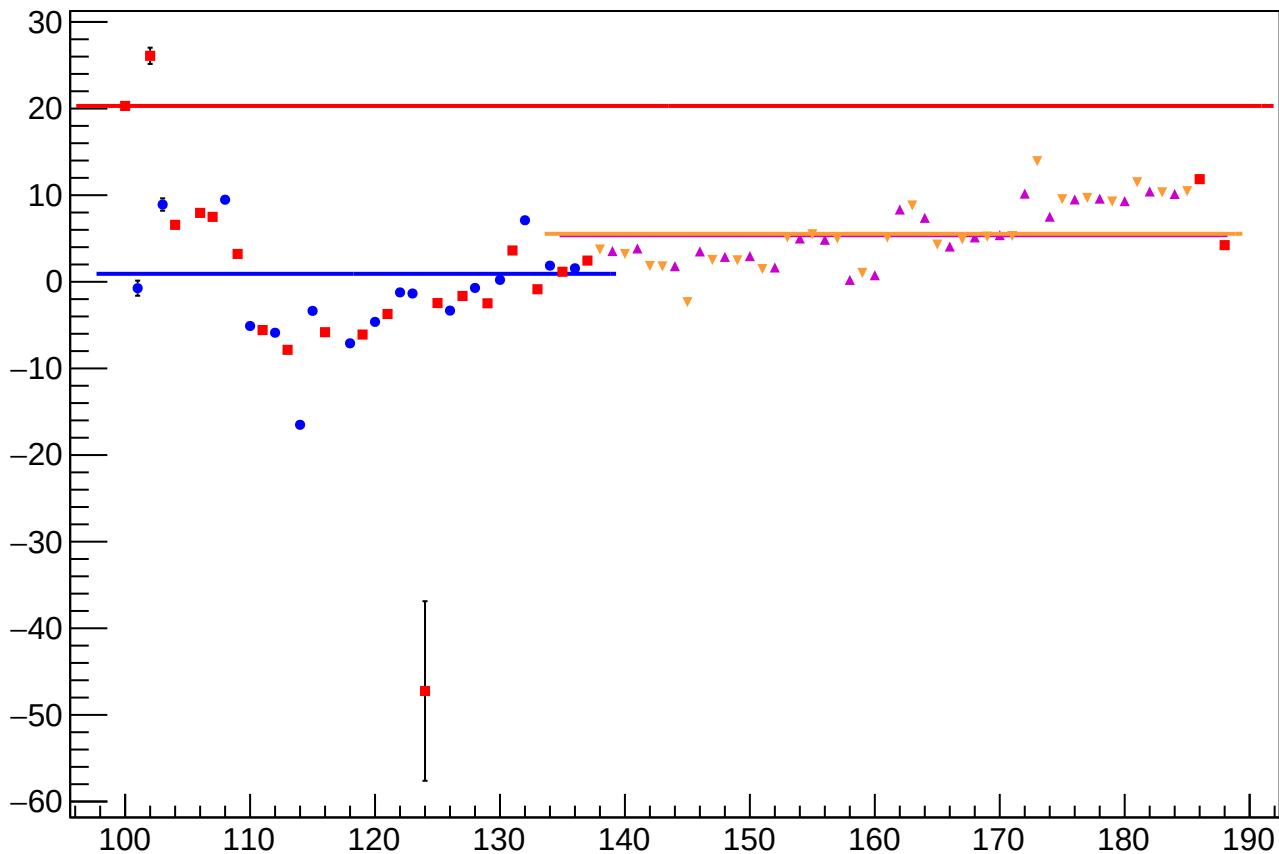
Right: -43.219 ± 0.015 $\chi^2/\text{NDF}: 39256.8/37$

In: -38.014 ± 0.004 $\chi^2/\text{NDF}: 215843.3/39$

Out: -37.698 ± 0.004 $\chi^2/\text{NDF}: 350029.0/45$

All: -37.837 ± 0.003 $\chi^2/\text{NDF}: 569196.2/85$

dit_usr_4aY_slope vs Slug, Sign Corrected



Right In: 0.923 ± 0.020 χ^2/NDF : 21353.5/16

Left Out: 5.540 ± 0.006 χ^2/NDF : 301383.7/24

Right Out: 20.304 ± 0.000 χ^2/NDF : 923258.7/20

Left In: 5.375 ± 0.007 χ^2/NDF : 205713.7/22

Left: 5.470 ± 0.004 χ^2/NDF : 507457.1/47

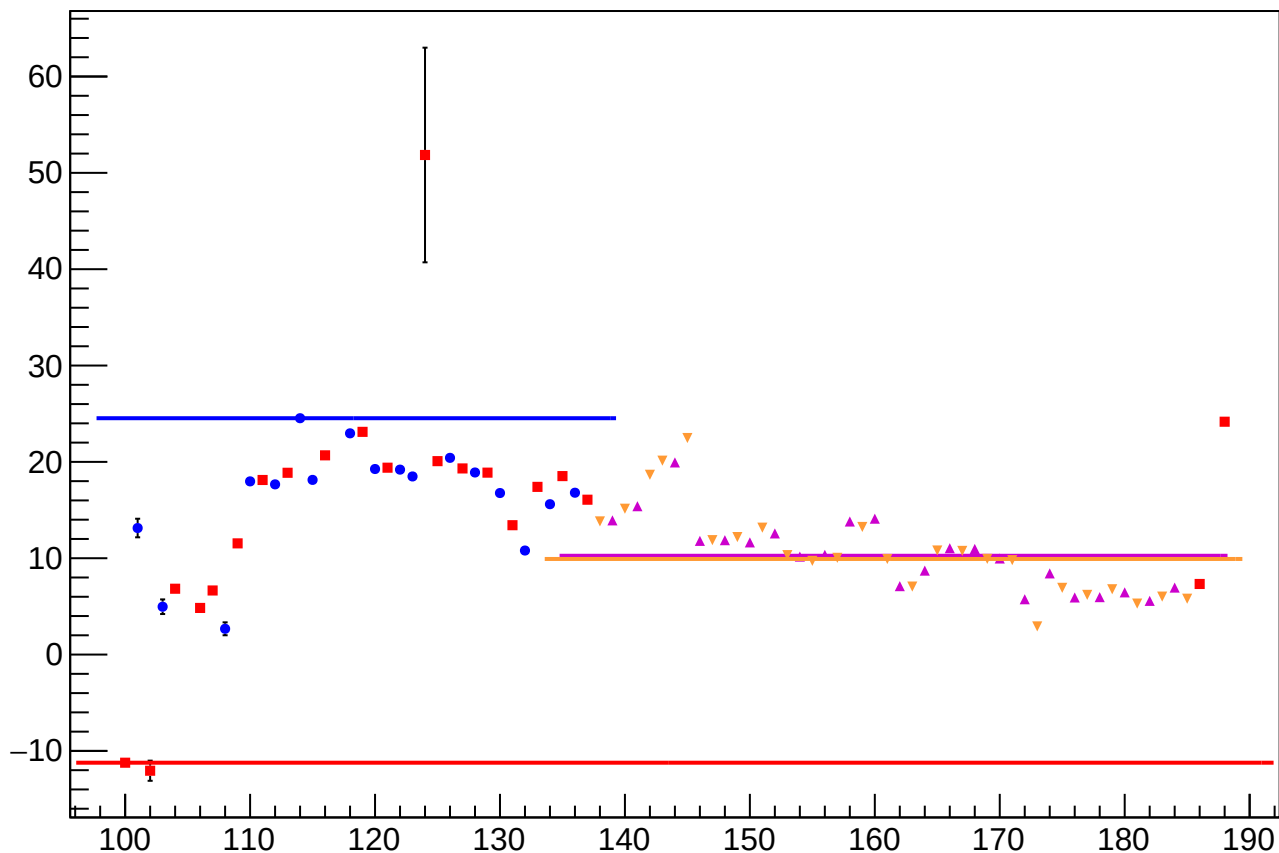
Right: 20.304 ± 0.000 χ^2/NDF : 1865556.5/37

In: 4.944 ± 0.006 χ^2/NDF : 270951.2/39

Out: 20.304 ± 0.000 χ^2/NDF : 7961884.8/45

All: 20.304 ± 0.000 χ^2/NDF : 14210429.2/85

dit_usr_4eY_slope vs Slug, Sign Corrected



Right In: 24.533+/-0.000 χ^2/NDF : 119839.5/16

Left Out: 9.923+/-0.007 χ^2/NDF : 204729.3/24

Right Out: -11.224+/-0.000 χ^2/NDF : 2227853.1/20

Left In: 10.254+/-0.008 χ^2/NDF : 137399.6/22

Left: 10.068+/-0.005 χ^2/NDF : 343068.8/47

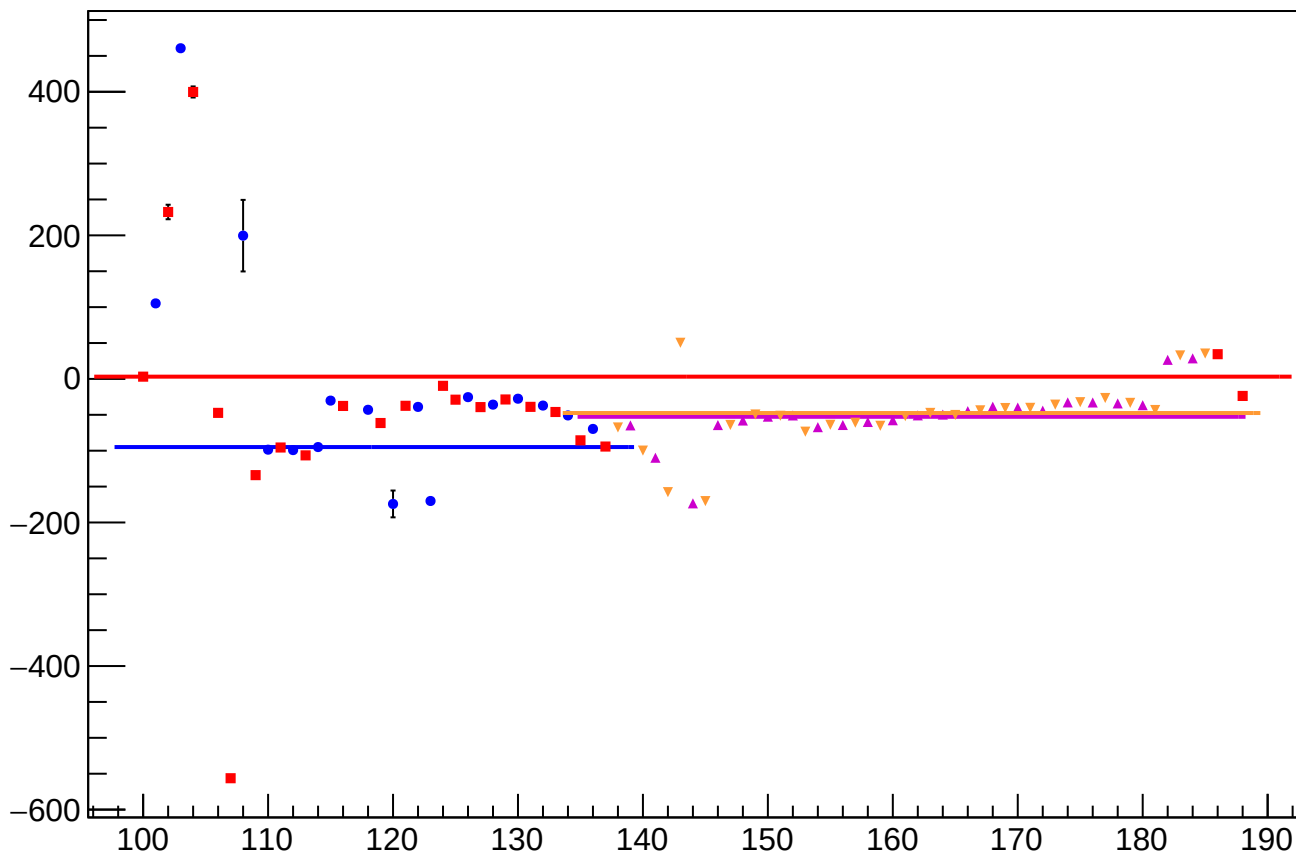
Right: -7.548+/-0.000 χ^2/NDF : 2499340702901629

In: 24.533+/-0.000 χ^2/NDF : 3372206.8/39

Out: -11.224+/-0.000 χ^2/NDF : 11181665.5/45

All: -7.548+/-0.000 χ^2/NDF : 2499340702901

dit_atl1_4aX_slope vs Slug, Sign Corrected



Right In: -94.927 ± 0.000 $\chi^2/\text{NDF}: 718777.6/16$

Left Out: -47.513 ± 0.088 $\chi^2/\text{NDF}: 90964.1/24$

Right Out: 3.148 ± 0.000 $\chi^2/\text{NDF}: 61212975.8/20$

Left In: -52.769 ± 0.103 $\chi^2/\text{NDF}: 70359.7/22$

Left: -49.733 ± 0.067 $\chi^2/\text{NDF}: 162825.7/47$

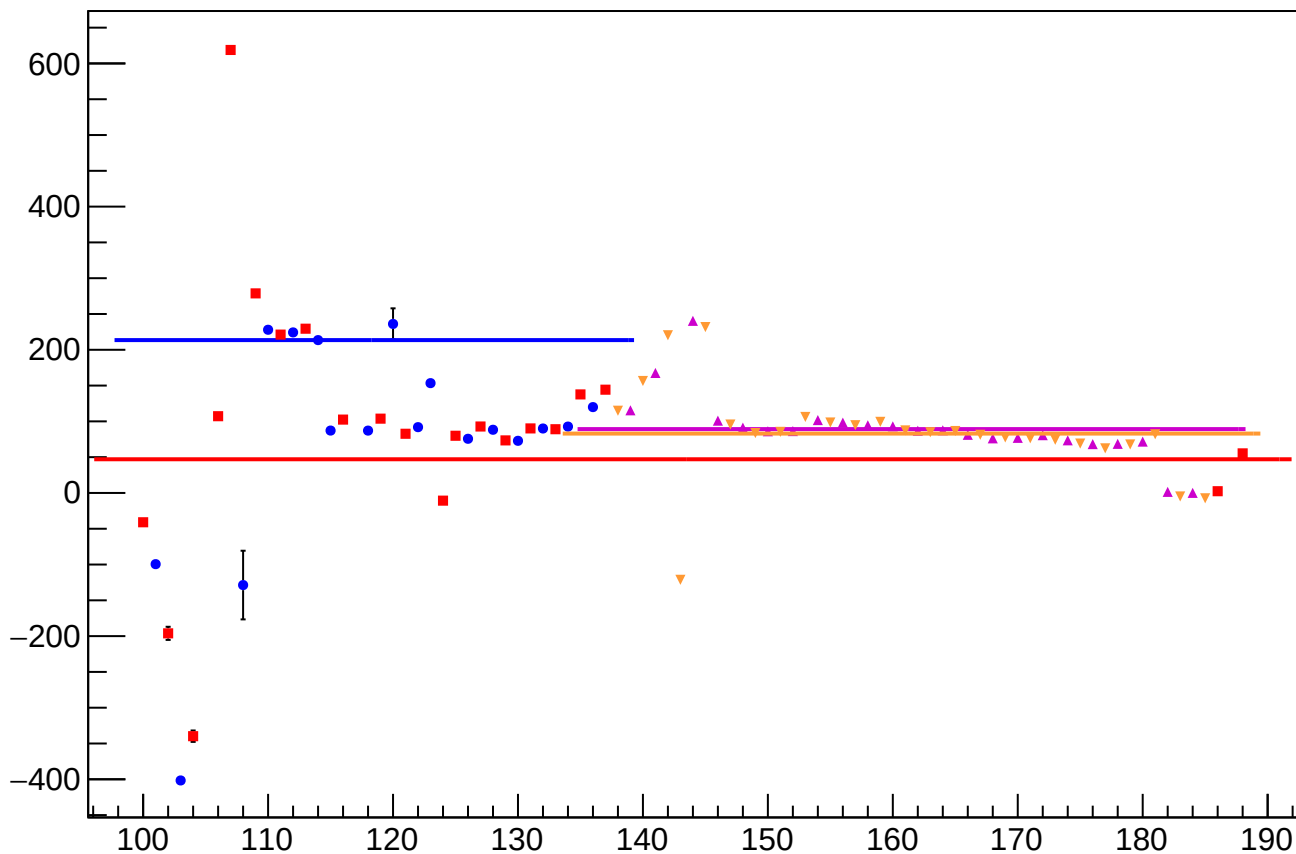
Right: 2.973 ± 0.000 $\chi^2/\text{NDF}: 52299232074263321$

In: -94.927 ± 0.000 $\chi^2/\text{NDF}: 956412.3/39$

Out: 3.148 ± 0.000 $\chi^2/\text{NDF}: 61634309.5/45$

All: 2.973 ± 0.000 $\chi^2/\text{NDF}: 52299232074263$

dit_atl1_4eX_slope vs Slug, Sign Corrected



Right In: 213.523+/-0.000 χ^2/NDF : 2690617.8/16

Left Out: 82.933+/-0.077 χ^2/NDF : 212577.9/24

Right Out: 47.057+/-0.123 χ^2/NDF : 328773.6/20

Left In: 89.202+/-0.090 χ^2/NDF : 95378.9/22

Left: 85.602+/-0.059 χ^2/NDF : 310750.1/47

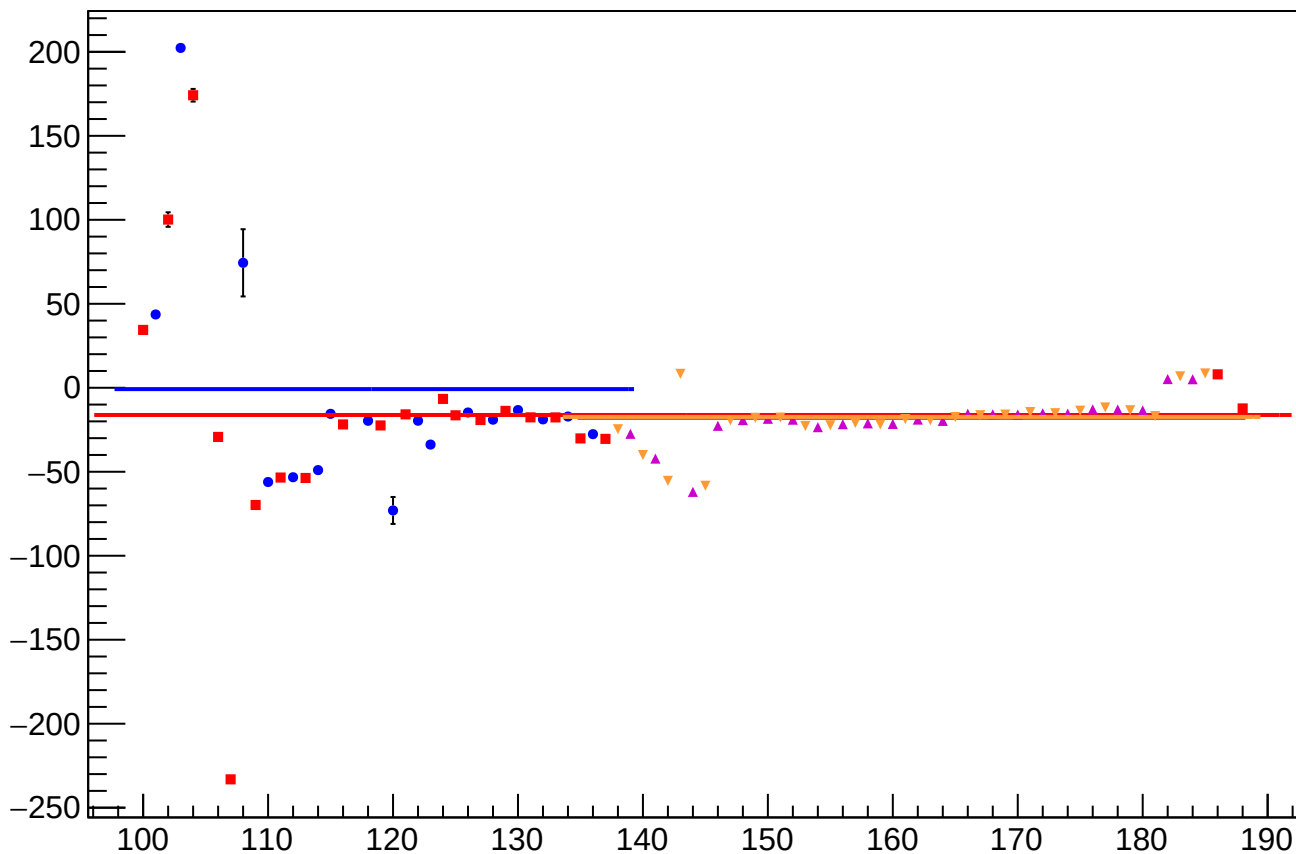
Right: 213.523+/-0.000 χ^2/NDF : 4841957.2/37

In: 213.523+/-0.000 χ^2/NDF : 4699227.5/39

Out: 72.792+/-0.066 χ^2/NDF : 602076.1/45

All: 213.523+/-0.000 χ^2/NDF : 9909729.0/85

dit_atl1_11X12X_slope vs Slug, Sign Corrected



Right In: -0.799 ± 0.031 χ^2/NDF : 2816818.1/16

Left Out: -17.358 ± 0.010 χ^2/NDF : 711613.1/24

Right Out: -16.196 ± 0.037 χ^2/NDF : 323996.7/20

Left In: -17.854 ± 0.012 χ^2/NDF : 251583.5/22

Left: -17.558 ± 0.008 χ^2/NDF : 964190.0/47

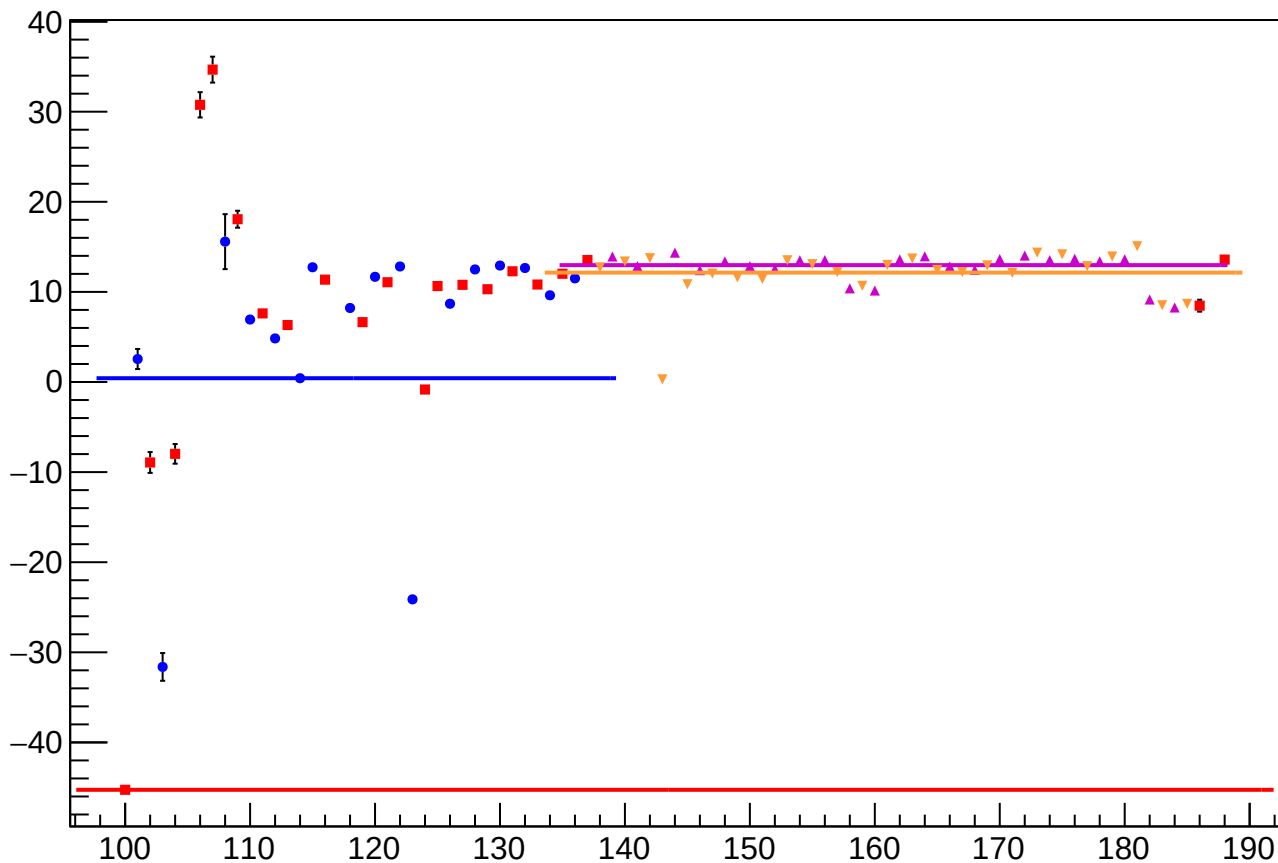
Right: -7.297 ± 0.024 χ^2/NDF : 3242640.3/37

In: -15.621 ± 0.011 χ^2/NDF : 3325684.8/39

Out: -17.278 ± 0.010 χ^2/NDF : 1036544.9/45

All: -16.583 ± 0.007 χ^2/NDF : 4374612.6/85

dit_atl1_4aY_slope vs Slug, Sign Corrected



Right In: 0.420+/-0.000 χ^2/NDF : 84744.6/16

Left Out: 12.143+/-0.014 χ^2/NDF :35326.3/24

Right Out: -45.259+/-0.000 χ^2/NDF : 1320997.8/20

Left In: 12.971+/-0.011 χ^2/NDF :9592.9/22

Left: 12.636+/-0.009 χ^2/NDF : 47110.1/47

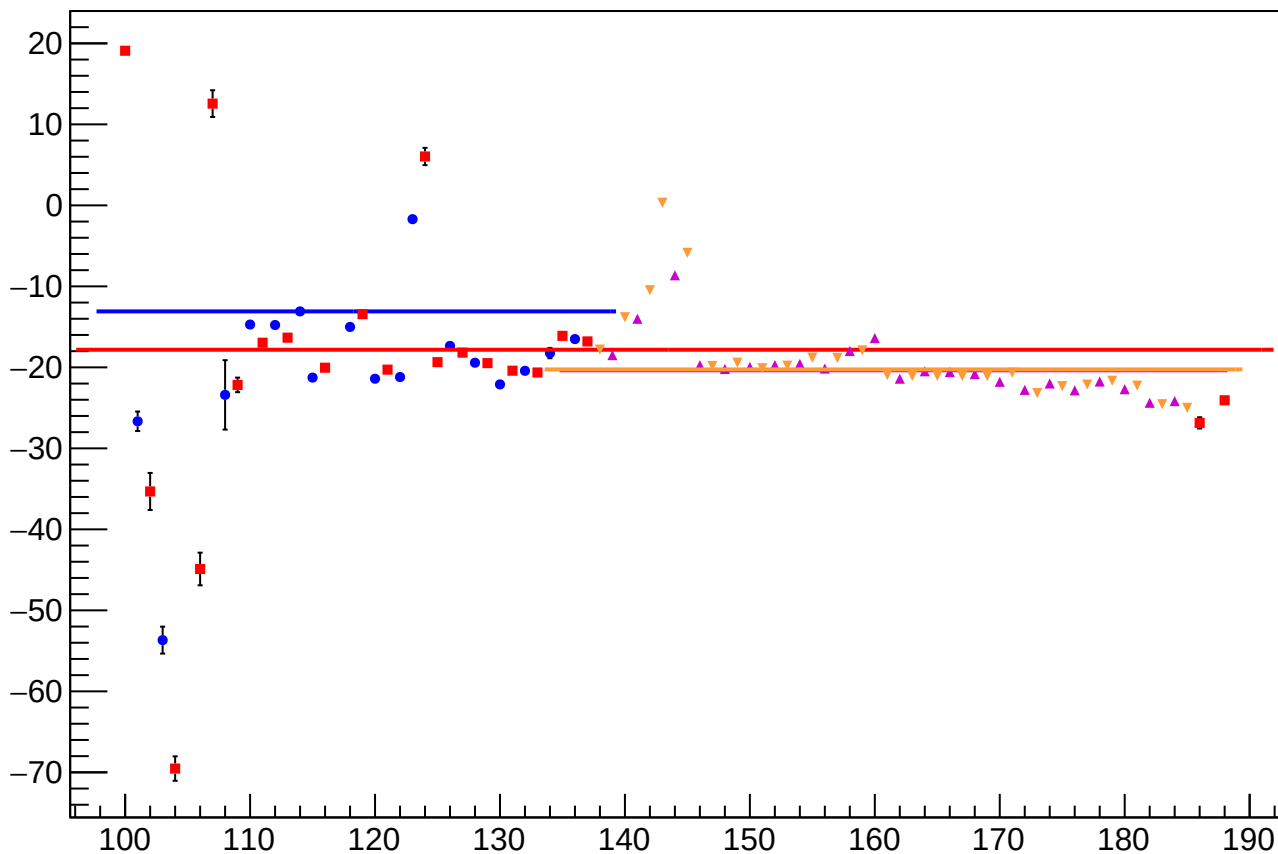
Right: 0.419+/-0.000 χ^2/NDF : 24797052003265142

In: 0.420+/-0.000 χ^2/NDF :1338764.1/39

Out: -45.259+/-0.000 χ^2/NDF :19074798.9/45

All: 0.419+/-0.000 χ^2/NDF : 24797052003265

dit_atl1_4eY_slope vs Slug, Sign Corrected



Right In: -13.090 $\pm$ 0.000 χ^2 /NDF: 30071.6/16

Left Out: -20.255 $\pm$ 0.014 χ^2 /NDF:69246.8/24

Right Out: -17.825 $\pm$ 0.047 χ^2 /NDF: 15018.5/20

Left In: -20.362 $\pm$ 0.015 χ^2 /NDF:19964.2/22

Left: -20.306 $\pm$ 0.010 χ^2 /NDF: 89237.1/47

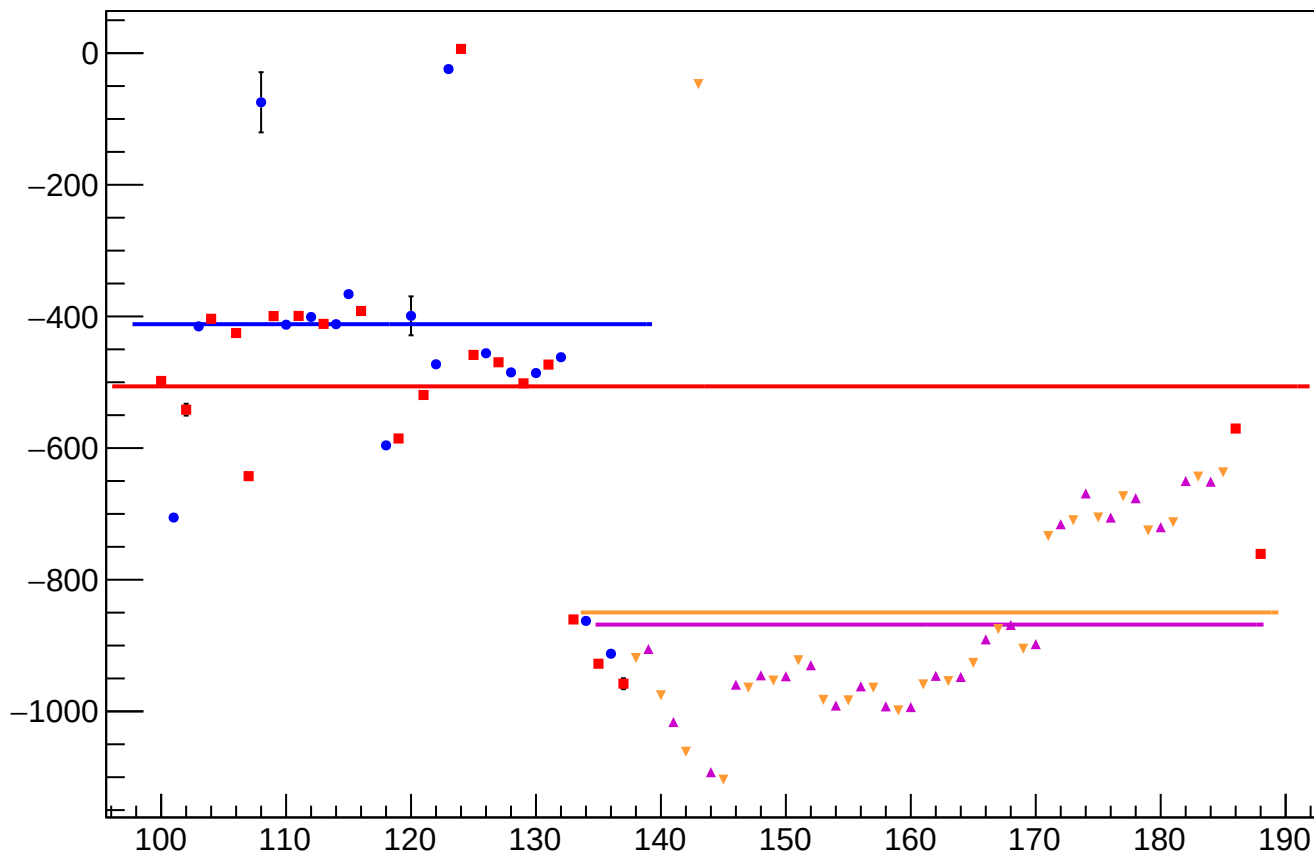
Right: -13.090 $\pm$ 0.000 χ^2 /NDF: 55026.6/37

In: -13.090 $\pm$ 0.000 χ^2 /NDF:281007.2/39

Out: -20.048 $\pm$ 0.014 χ^2 /NDF:86660.5/45

All: -13.090 $\pm$ 0.000 χ^2 /NDF: 619749.3/85

dit_atl2_4aX_slope vs Slug, Sign Corrected



Right In: -411.771 $\pm$ 0.000 χ^2 /NDF: 984974.9/16

Left Out: -849.714 $\pm$ 0.142 χ^2 /NDF:1033131.9/24

Right Out: -506.245 $\pm$ 0.155 χ^2 /NDF: 831807.0/20

Left In: -868.181 $\pm$ 0.145 χ^2 /NDF:820548.1/22

Left: -858.762 $\pm$ 0.102 χ^2 /NDF: 1861911.8/47

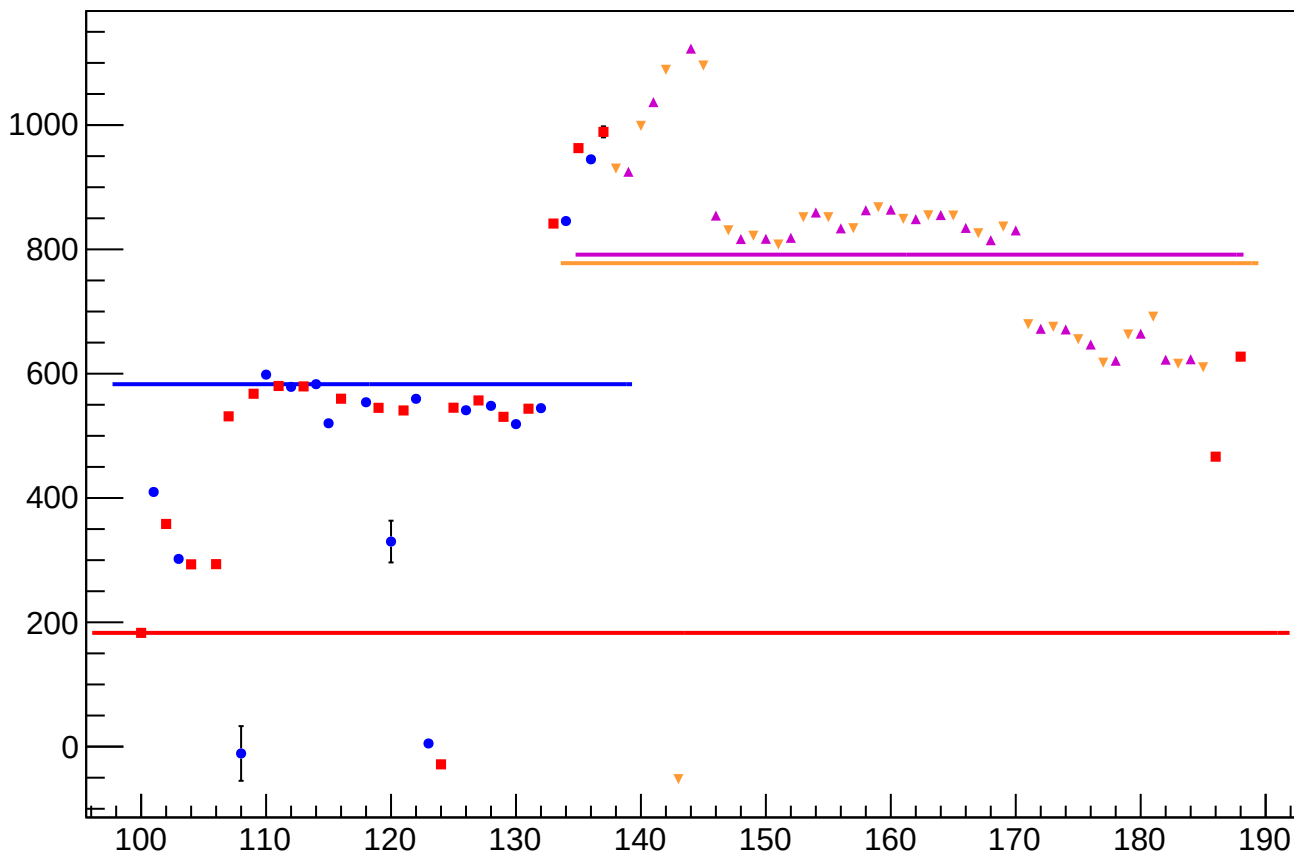
Right: -411.771 $\pm$ 0.000 χ^2 /NDF: 2187247.6/37

In: -411.771 $\pm$ 0.000 χ^2 /NDF:11664211.4/39

Out: -692.664 $\pm$ 0.105 χ^2 /NDF:4522561.7/45

All: -411.771 $\pm$ 0.000 χ^2 /NDF: 23349026.9/8

dit_atl2_4eX_slope vs Slug, Sign Corrected



Right In: 583.096+/-0.000 χ^2/NDF : 1695243.6/16

Left Out: 777.823+/-0.119 χ^2/NDF : 931413.4/24

Right Out: 182.993+/-0.000 χ^2/NDF : 4178805.7/20

Left In: 791.519+/-0.122 χ^2/NDF : 690326.2/22

Left: 784.493+/-0.085 χ^2/NDF : 1628238.5/47

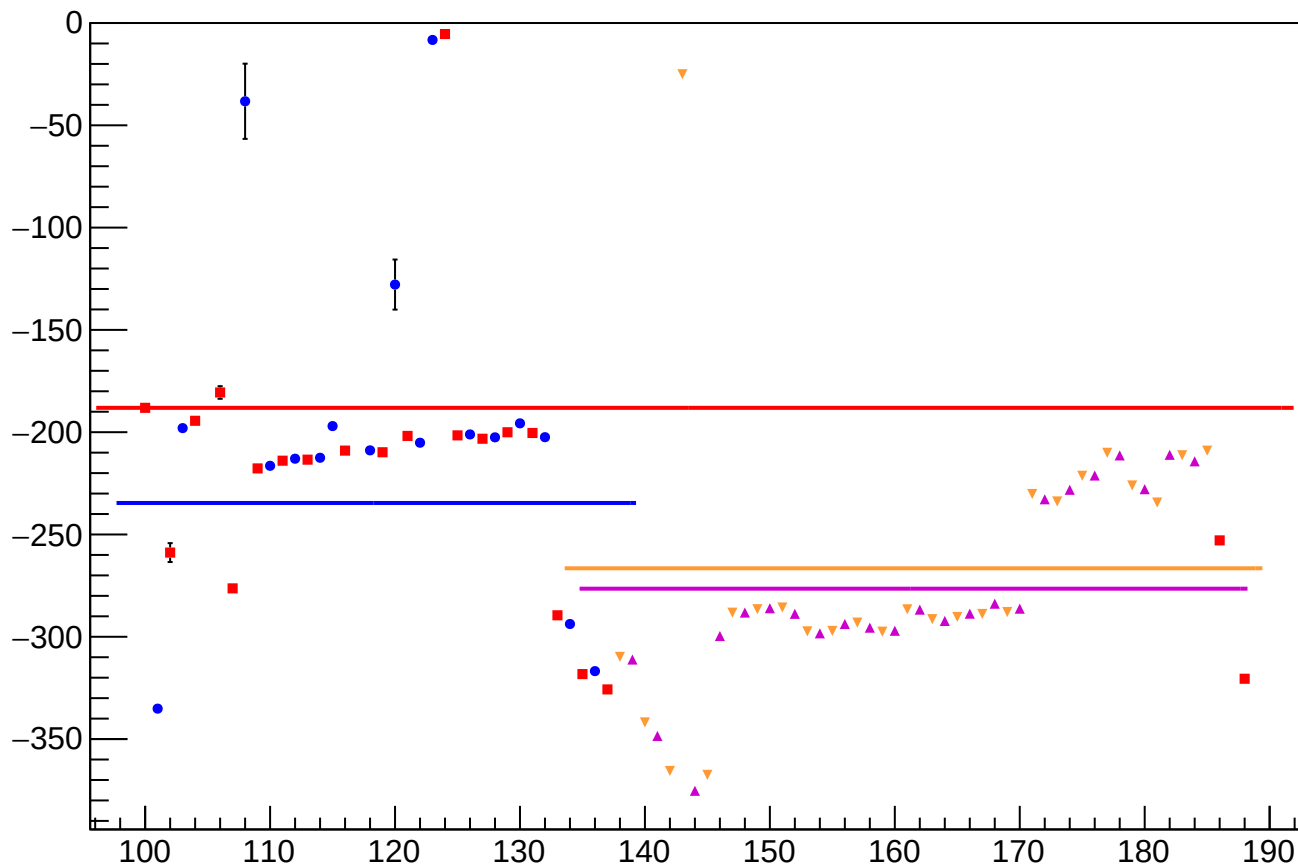
Right: 224.125+/-0.000 χ^2/NDF : 122237113759786

In: 583.096+/-0.000 χ^2/NDF : 5319561.8/39

Out: 182.993+/-0.000 χ^2/NDF : 30279944.0/45

All: 224.125+/-0.000 χ^2/NDF : 122237113759

dit_atl2_11X12X_slope vs Slug, Sign Corrected



Right In: -234.595 ± 0.057 $\chi^2/\text{NDF}: 1034543.3/16$

Left Out: -266.521 ± 0.021 $\chi^2/\text{NDF}: 7042321.6/24$

Right Out: -188.094 ± 0.000 $\chi^2/\text{NDF}: 1002057.3/20$

Left In: -276.494 ± 0.022 $\chi^2/\text{NDF}: 2437121.4/22$

Left: -271.291 ± 0.015 $\chi^2/\text{NDF}: 9586413.3/47$

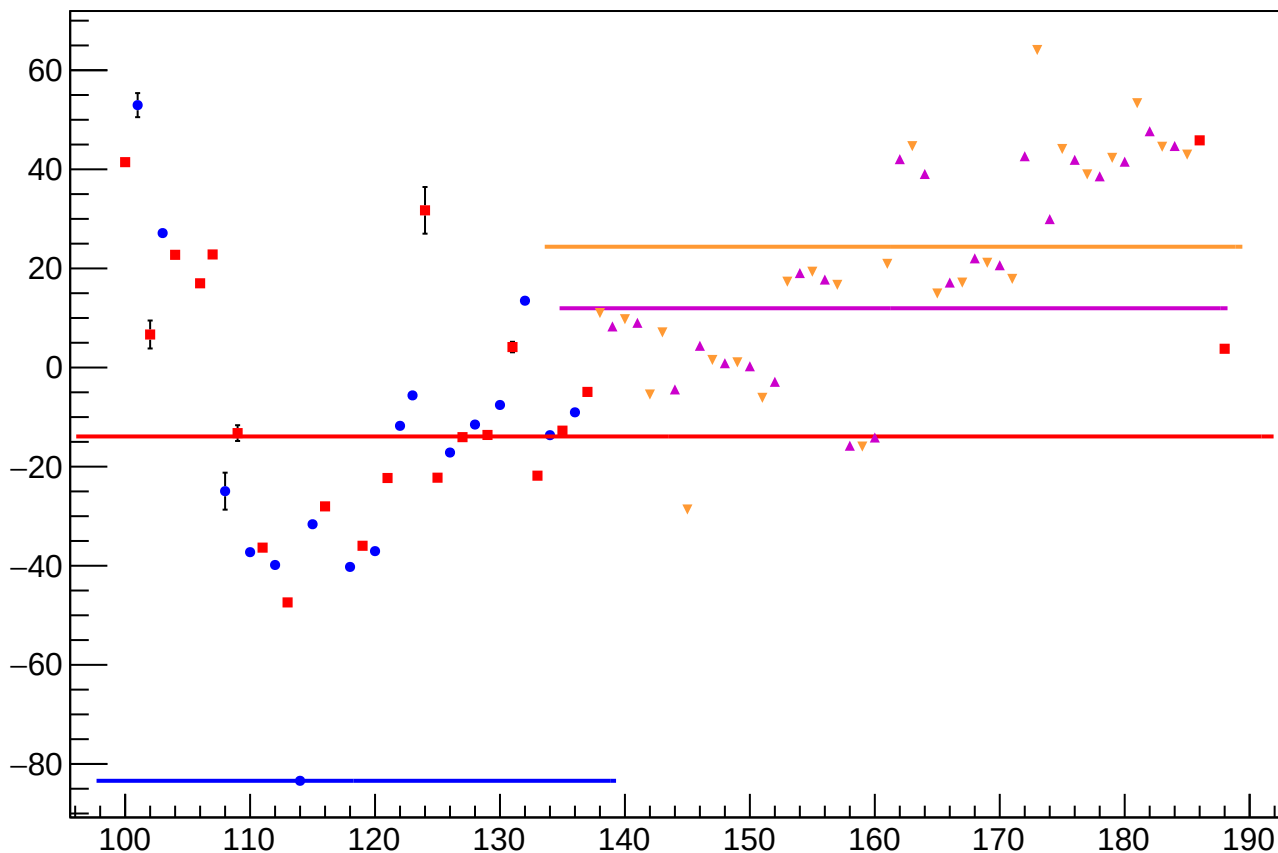
Right: -188.094 ± 0.000 $\chi^2/\text{NDF}: 2713889.0/37$

In: -270.968 ± 0.021 $\chi^2/\text{NDF}: 3949032.4/39$

Out: -188.094 ± 0.000 $\chi^2/\text{NDF}: 21876707.2/45$

All: -188.094 ± 0.000 $\chi^2/\text{NDF}: 42138300.1/8$

dit_atl2_4aY_slope vs Slug, Sign Corrected



Right In: -83.399 ± 0.000 $\chi^2/\text{NDF}: 1111851.8/16$

Left Out: 24.381 ± 0.019 $\chi^2/\text{NDF}: 1081339.1/24$

Right Out: -13.908 ± 0.091 $\chi^2/\text{NDF}: 52241.6/20$

Left In: 11.963 ± 0.018 $\chi^2/\text{NDF}: 1338781.7/22$

Left: 17.776 ± 0.013 $\chi^2/\text{NDF}: 2641725.9/47$

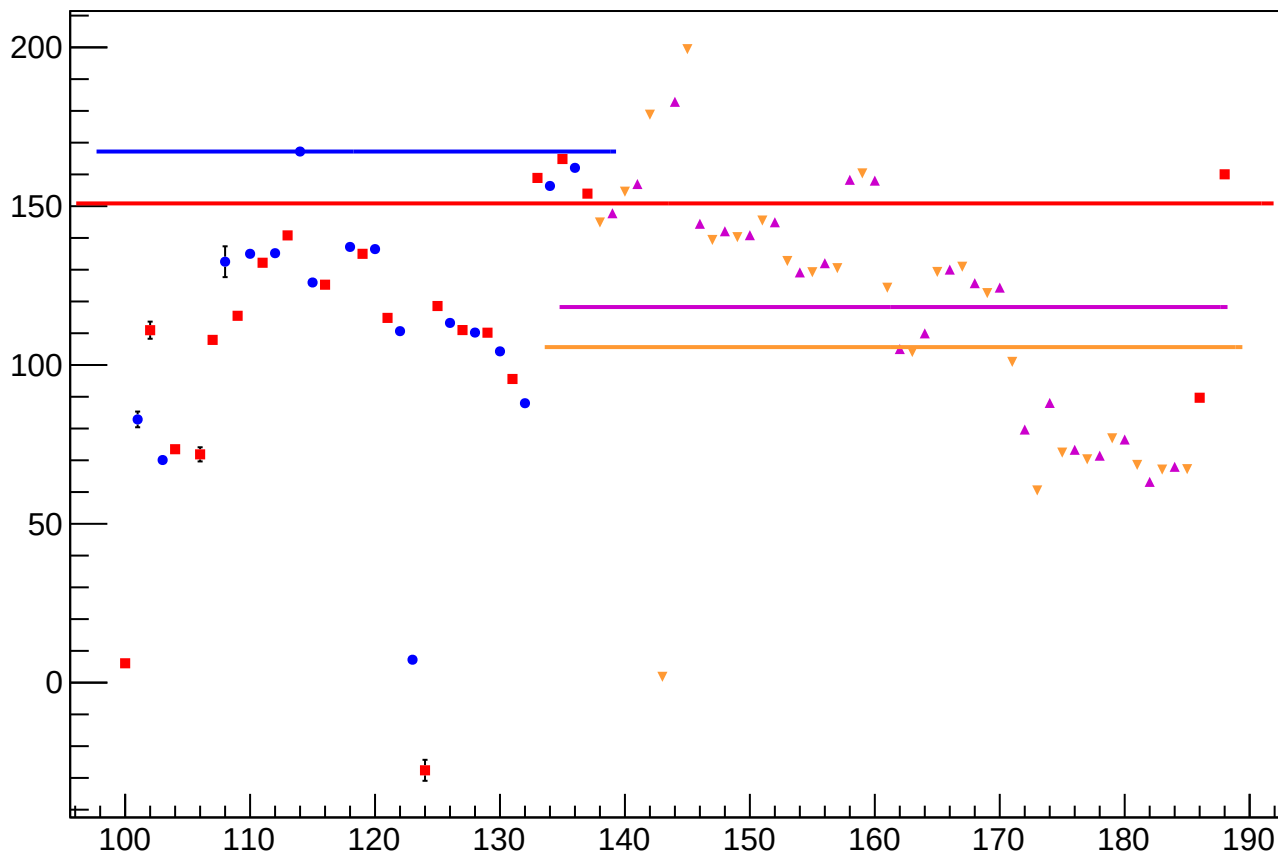
Right: -83.399 ± 0.000 $\chi^2/\text{NDF}: 1747727.4/37$

In: -83.399 ± 0.000 $\chi^2/\text{NDF}: 30371307.8/39$

Out: 22.741 ± 0.019 $\chi^2/\text{NDF}: 1303185.5/45$

All: -83.399 ± 0.000 $\chi^2/\text{NDF}: 63476905.5/85$

dit_atl2_4eY_slope vs Slug, Sign Corrected



Right In: 167.207 $\pm$ 0.000 χ^2 /NDF: 377544.7/16

Left Out: 105.635 $\pm$ 0.024 χ^2 /NDF:1953919.9/24

Right Out: 150.873 $\pm$ 0.030 χ^2 /NDF: 260468.0/20

Left In: 118.249 $\pm$ 0.024 χ^2 /NDF:1825537.3/22

Left: 111.940 $\pm$ 0.017 χ^2 /NDF: 3922042.6/47

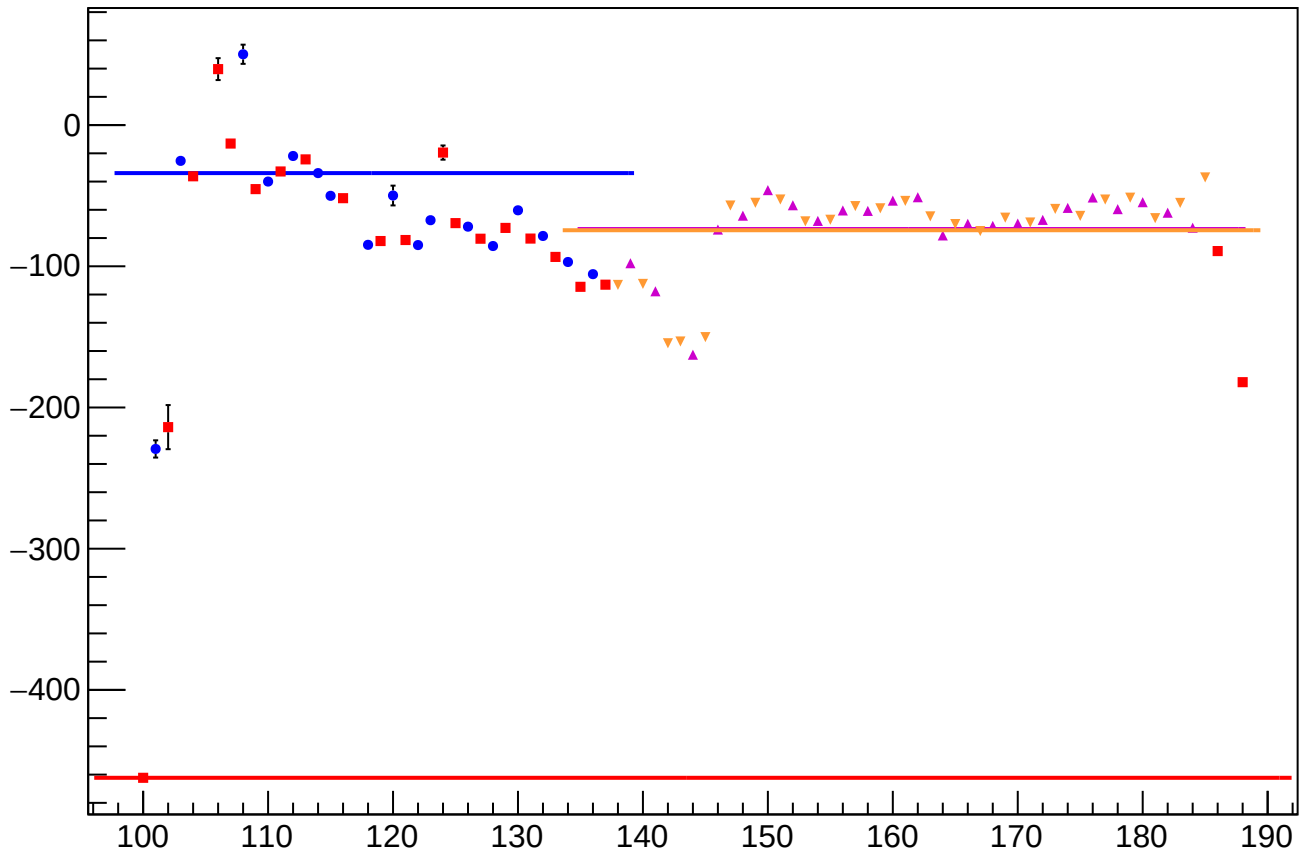
Right: 167.207 $\pm$ 0.000 χ^2 /NDF: 937022.8/37

In: 167.207 $\pm$ 0.000 χ^2 /NDF:6497614.9/39

Out: 123.034 $\pm$ 0.019 χ^2 /NDF:3625649.6/45

All: 167.207 $\pm$ 0.000 χ^2 /NDF: 15808800.1/85

dit_atr1_4aX_slope vs Slug, Sign Corrected



Right In: -34.002 ± 0.000 $\chi^2/\text{NDF}: 103608.4/16$

Left Out: -74.468 ± 0.109 $\chi^2/\text{NDF}: 71329.2/24$

Right Out: -462.254 ± 0.000 $\chi^2/\text{NDF}: 5241653.4/20$

Left In: -73.591 ± 0.110 $\chi^2/\text{NDF}: 68577.9/22$

Left: -74.037 ± 0.077 $\chi^2/\text{NDF}: 139939.1/47$

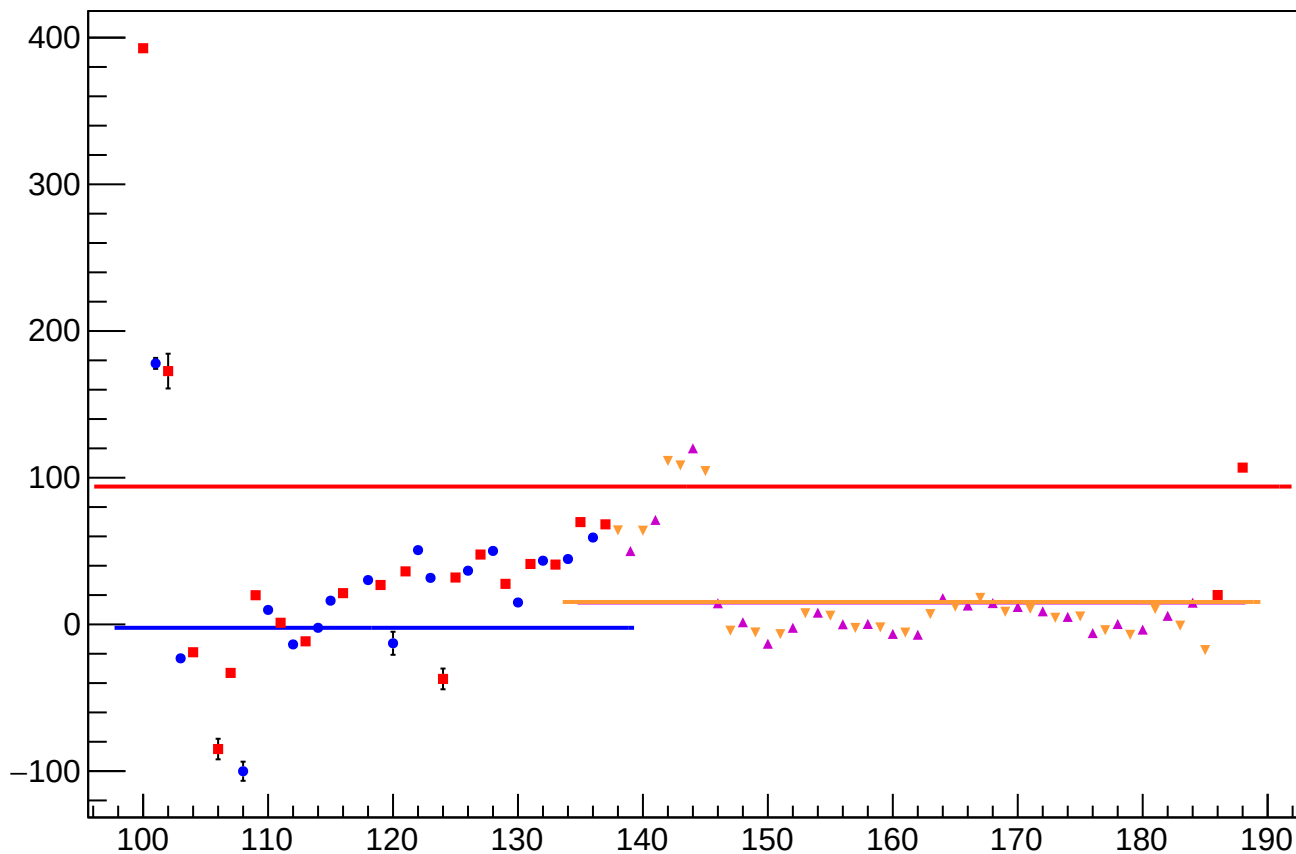
Right: -34.912 ± 0.000 $\chi^2/\text{NDF}: 849582565143584$

In: -34.002 ± 0.000 $\chi^2/\text{NDF}: 300827.0/39$

Out: -462.254 ± 0.000 $\chi^2/\text{NDF}: 18055985.9/45$

All: -34.912 ± 0.000 $\chi^2/\text{NDF}: 849582565143$

dit_atr1_4eX_slope vs Slug, Sign Corrected



Right In: -2.317 ± 0.000 $\chi^2/\text{NDF}: 72308.0/16$

Left Out: 15.294 ± 0.095 $\chi^2/\text{NDF}: 107606.8/24$

Right Out: 93.973 ± 0.164 $\chi^2/\text{NDF}: 807588.5/20$

Left In: 14.934 ± 0.098 $\chi^2/\text{NDF}: 96635.9/22$

Left: 15.119 ± 0.068 $\chi^2/\text{NDF}: 204249.7/47$

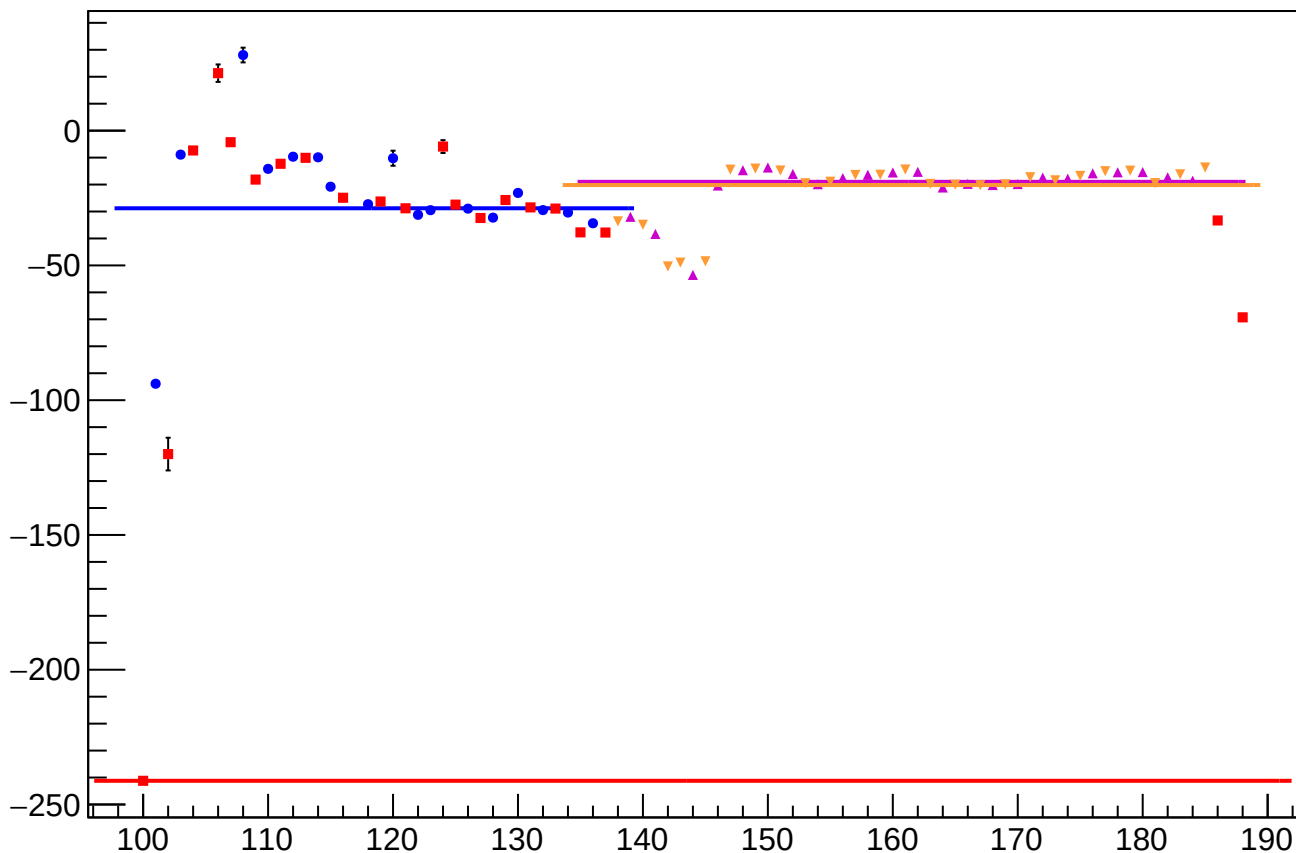
Right: -2.317 ± 0.000 $\chi^2/\text{NDF}: 1222685.9/37$

In: -2.317 ± 0.000 $\chi^2/\text{NDF}: 199914.6/39$

Out: 35.029 ± 0.082 $\chi^2/\text{NDF}: 1086653.9/45$

All: -2.317 ± 0.000 $\chi^2/\text{NDF}: 1492150.0/85$

dit_atr1_11X12X_slope vs Slug, Sign Corrected



Right In: -28.799 ± 0.035 $\chi^2/\text{NDF}: 49372.5/16$

Left Out: -20.179 ± 0.012 $\chi^2/\text{NDF}: 393146.9/24$

Right Out: -241.209 ± 0.000 $\chi^2/\text{NDF}: 33307480.9/20$

Left In: -18.993 ± 0.014 $\chi^2/\text{NDF}: 207001.6/22$

Left: -19.671 ± 0.009 $\chi^2/\text{NDF}: 604272.4/47$

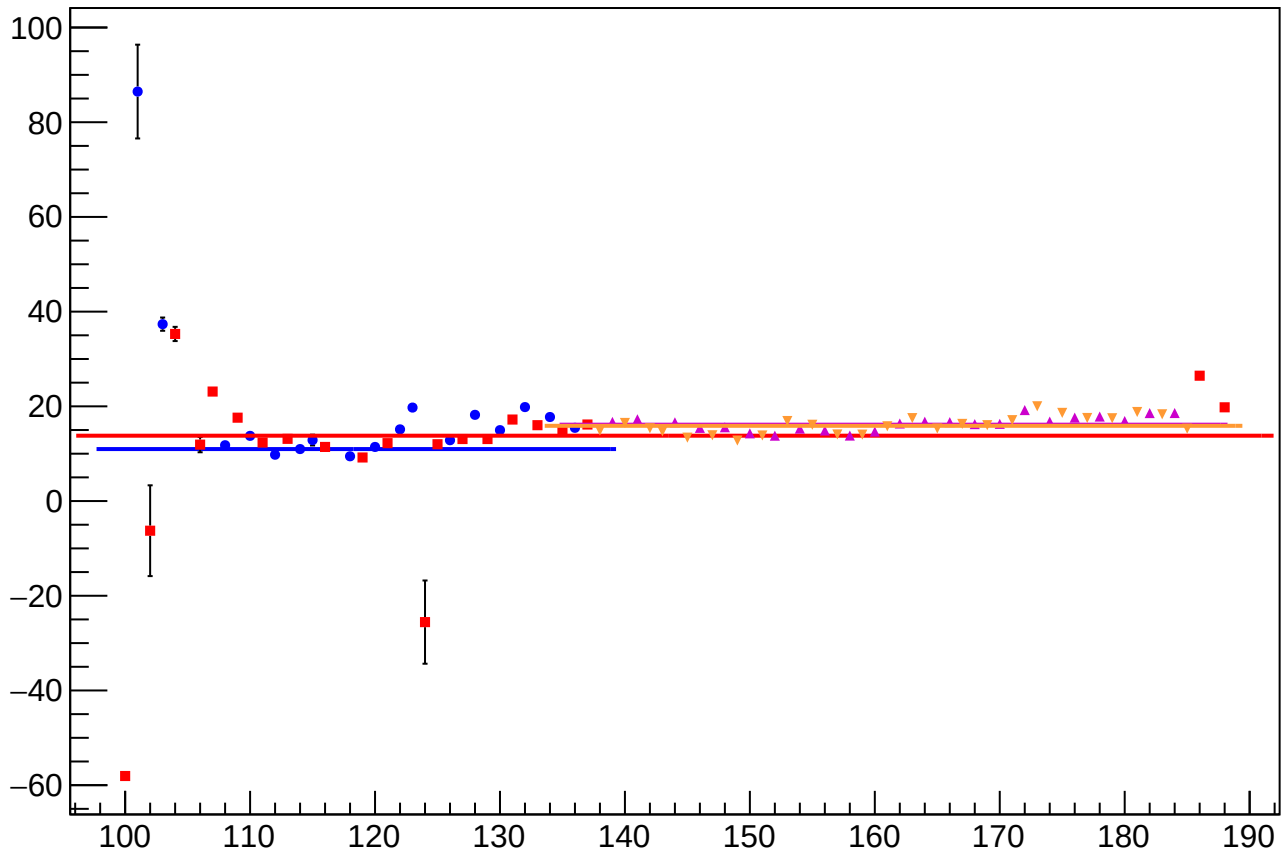
Right: -241.209 ± 0.000 $\chi^2/\text{NDF}: 69433386.7/37$

In: -20.315 ± 0.013 $\chi^2/\text{NDF}: 322893.3/39$

Out: -241.209 ± 0.000 $\chi^2/\text{NDF}: 368613866.6/45$

All: -241.209 ± 0.000 $\chi^2/\text{NDF}: 658380260.3/81$

dit_atr1_4aY_slope vs Slug, Sign Corrected



Right In: 10.978+/-0.000 χ^2/NDF : 26383.3/16

Left Out: 15.888+/-0.014 χ^2/NDF :13297.1/24

Right Out: 13.801+/-0.044 χ^2/NDF : 38768.3/20

Left In: 16.127+/-0.013 χ^2/NDF :12045.9/22

Left: 16.017+/-0.009 χ^2/NDF : 25506.5/47

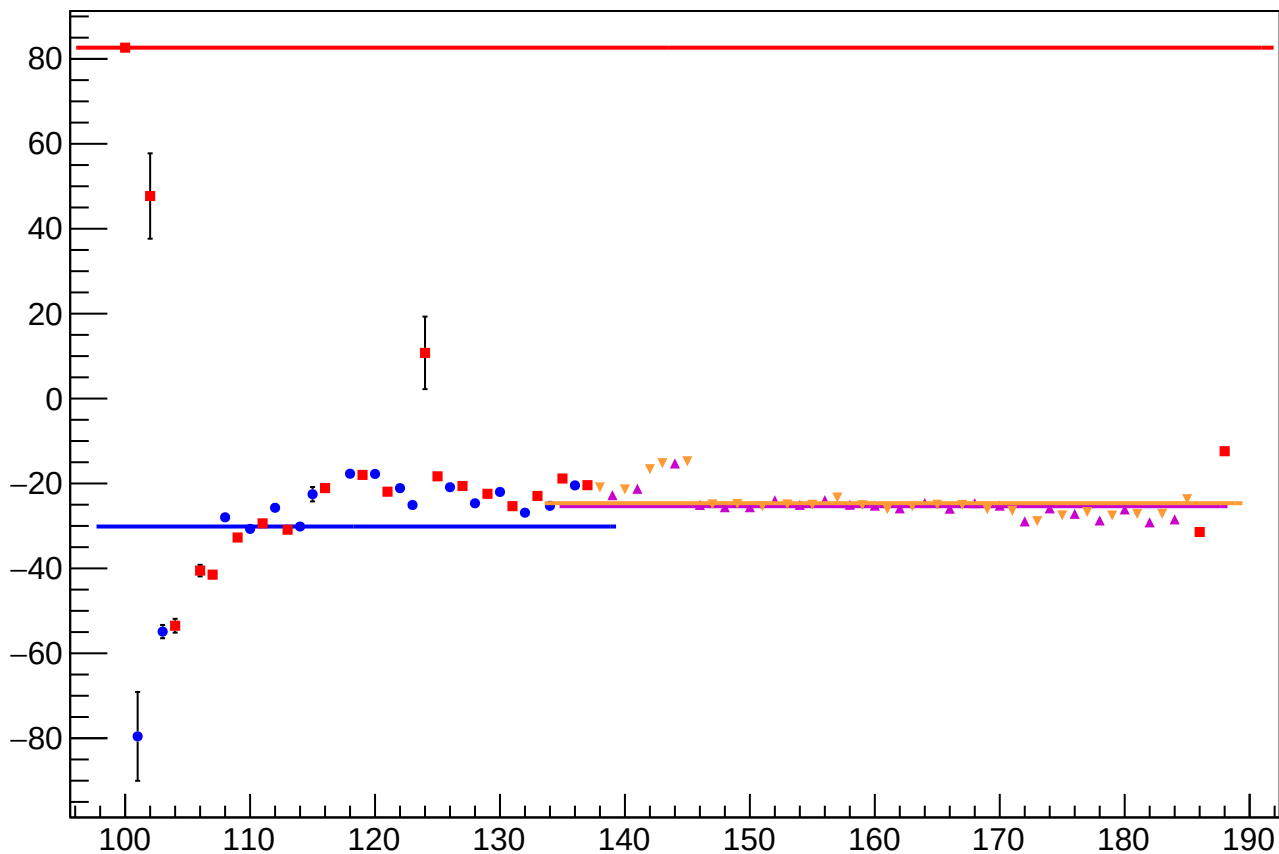
Right: 10.978+/-0.000 χ^2/NDF : 69324.6/37

In: 10.978+/-0.000 χ^2/NDF :204017.3/39

Out: 15.702+/-0.013 χ^2/NDF :54142.7/45

All: 10.978+/-0.000 χ^2/NDF : 388918.6/85

dit_atr1_4eY_slope vs Slug, Sign Corrected



Right In: -30.139+/-0.000 χ^2/NDF : 75823.3/16

Left Out: -24.646+/-0.015 χ^2/NDF : 40888.3/24

Right Out: 82.645+/-0.000 χ^2/NDF : 4191824.2/20

Left In: -25.356+/-0.016 χ^2/NDF : 16913.2/22

Left: -24.993+/-0.011 χ^2/NDF : 58828.2/47

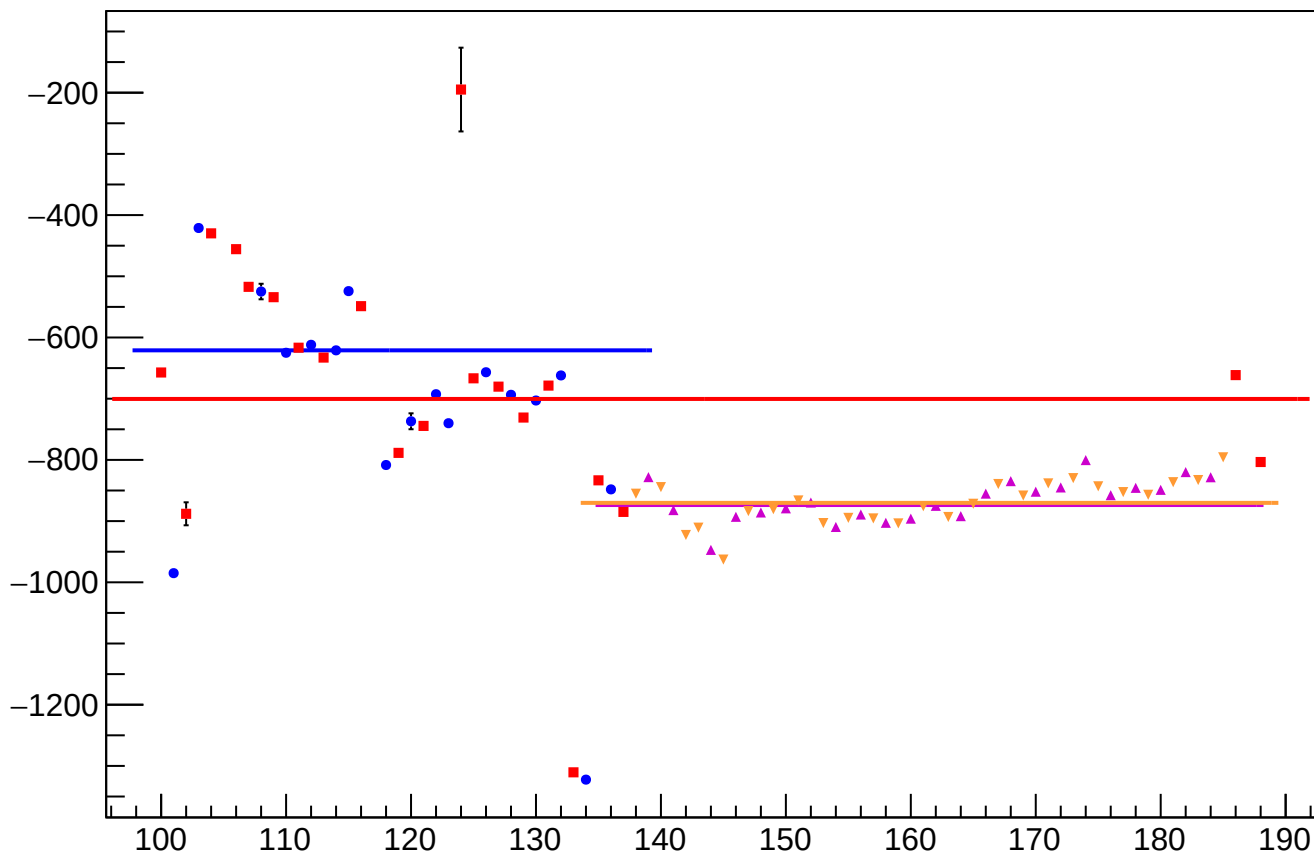
Right: -26.421+/-0.000 χ^2/NDF : 365466407976619

In: -30.139+/-0.000 χ^2/NDF : 183768.0/39

Out: 82.645+/-0.000 χ^2/NDF : 52219860.2/45

All: -26.421+/-0.000 χ^2/NDF : 365466407976

dit_atr2_4aX_slope vs Slug, Sign Corrected



Right In: -620.994+/-0.000 χ^2/NDF : 309597.8/16

Left Out: -870.193+/-0.127 χ^2/NDF : 53169.6/24

Right Out: -700.402+/-0.171 χ^2/NDF : 532019.6/20

Left In: -873.739+/-0.123 χ^2/NDF : 58452.7/22

Left: -872.023+/-0.089 χ^2/NDF : 112022.6/47

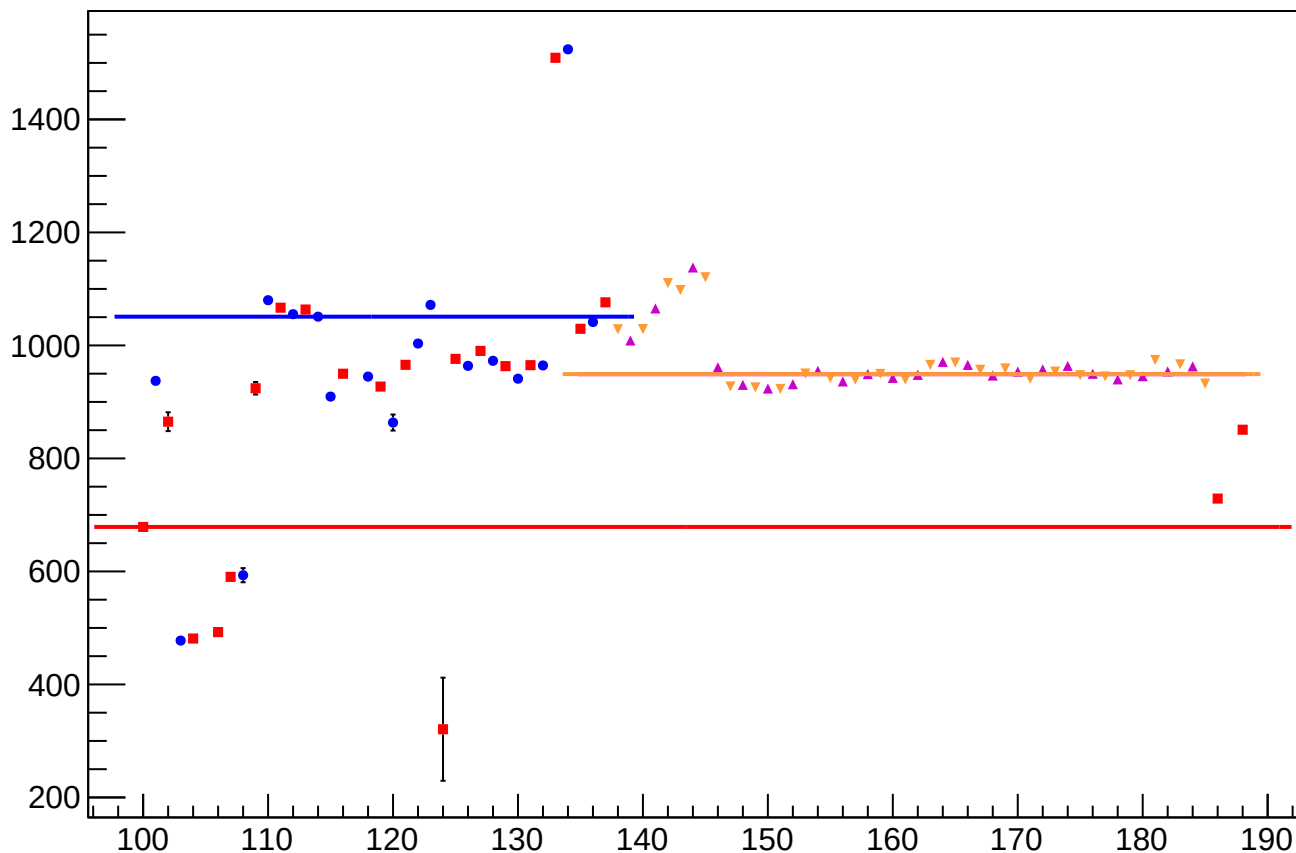
Right: -620.994+/-0.000 χ^2/NDF : 1056807.6/37

In: -620.994+/-0.000 χ^2/NDF : 4570448.3/39

Out: -809.721+/-0.102 χ^2/NDF : 1218637.1/45

All: -620.994+/-0.000 χ^2/NDF : 9202036.3/85

dit_atr2_4eX_slope vs Slug, Sign Corrected



Right In: 1050.885 $\pm$ 0.000 χ^2 /NDF: 296535.3/16

Left Out: 949.224 $\pm$ 0.102 χ^2 /NDF: 73251.0/24

Right Out: 678.756 $\pm$ 0.000 χ^2 /NDF: 1741226.8/20

Left In: 949.032 $\pm$ 0.102 χ^2 /NDF: 76875.5/22

Left: 949.129 $\pm$ 0.072 χ^2 /NDF: 150128.3/47

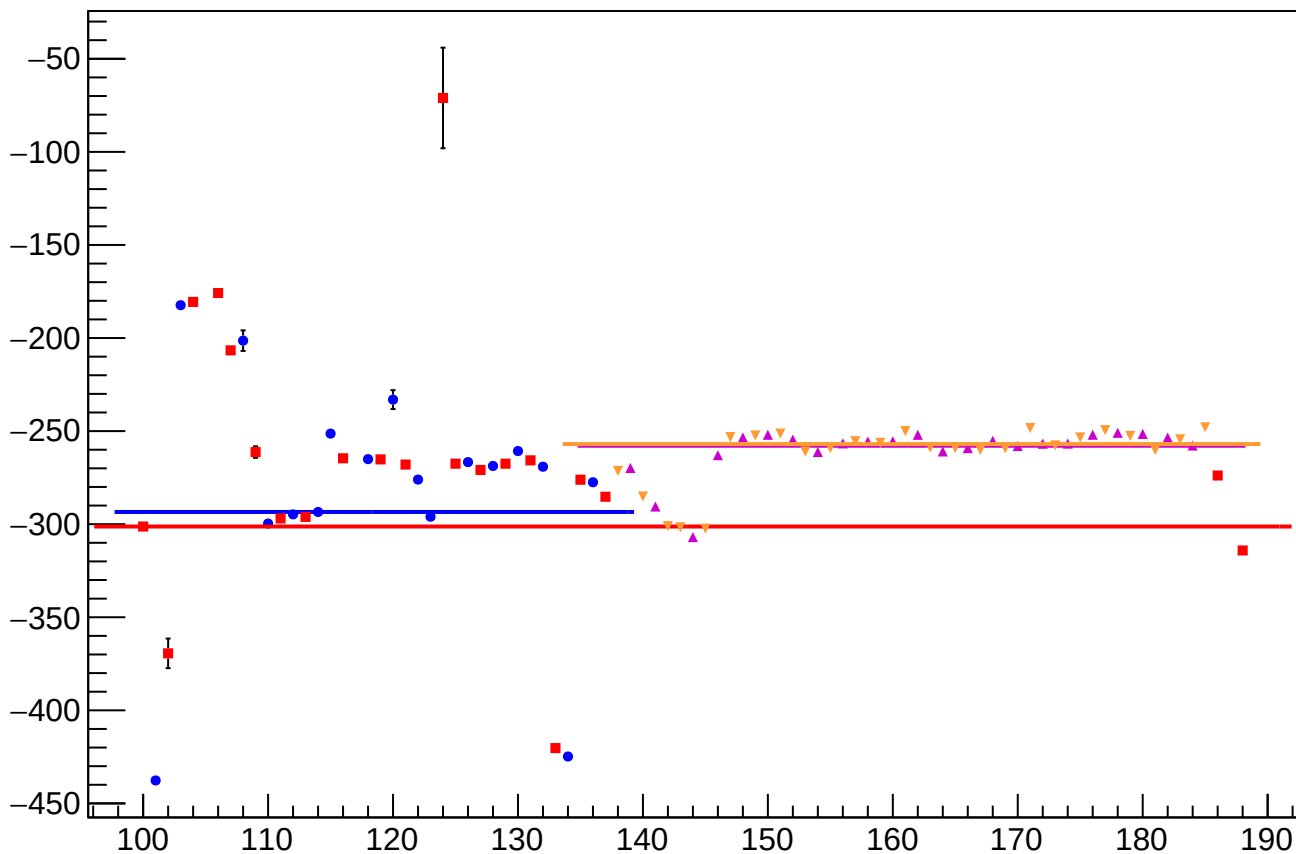
Right: 717.012 $\pm$ 0.000 χ^2 /NDF: 660888056800884

In: 1050.885 $\pm$ 0.000 χ^2 /NDF: 1362983.2/39

Out: 678.756 $\pm$ 0.000 χ^2 /NDF: 8911677.9/45

All: 717.012 $\pm$ 0.000 χ^2 /NDF: 660888056800

dit_atr2_11X12X_slope vs Slug, Sign Corrected



Right In: -293.440+/-0.000 χ^2/NDF : 806123.9/16

Left Out: -256.966+/-0.019 χ^2/NDF :180779.9/24

Right Out: -301.259+/-0.000 χ^2/NDF : 733015.0/20

Left In: -257.860+/-0.019 χ^2/NDF :208410.5/22

Left: -257.423+/-0.013 χ^2/NDF : 390320.4/47

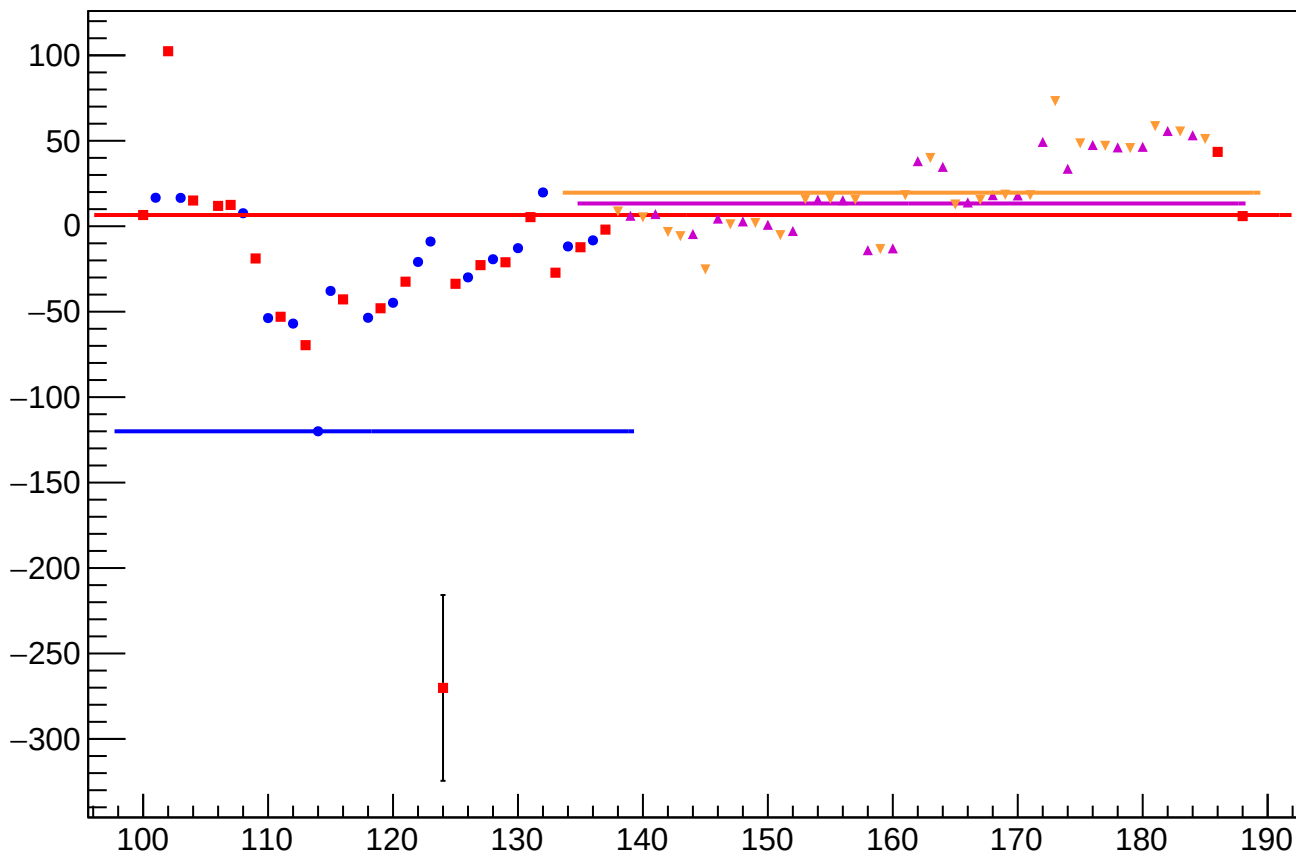
Right: -296.200+/-0.000 χ^2/NDF : 73444542243591

In: -293.440+/-0.000 χ^2/NDF :4679839.4/39

Out: -301.259+/-0.000 χ^2/NDF :6342694.8/45

All: -296.200+/-0.000 χ^2/NDF : 73444542243

dit_atr2_4aY_slope vs Slug, Sign Corrected



Right In: -119.993+/-0.000 χ^2/NDF : 1507310.0/16

Left Out: 19.630+/-0.019 χ^2/NDF :1348530.3/24

Right Out: 6.562+/-0.000 χ^2/NDF : 120557.6/20

Left In: 13.314+/-0.019 χ^2/NDF :1023799.5/22

Left: 16.507+/-0.013 χ^2/NDF : 2429679.6/47

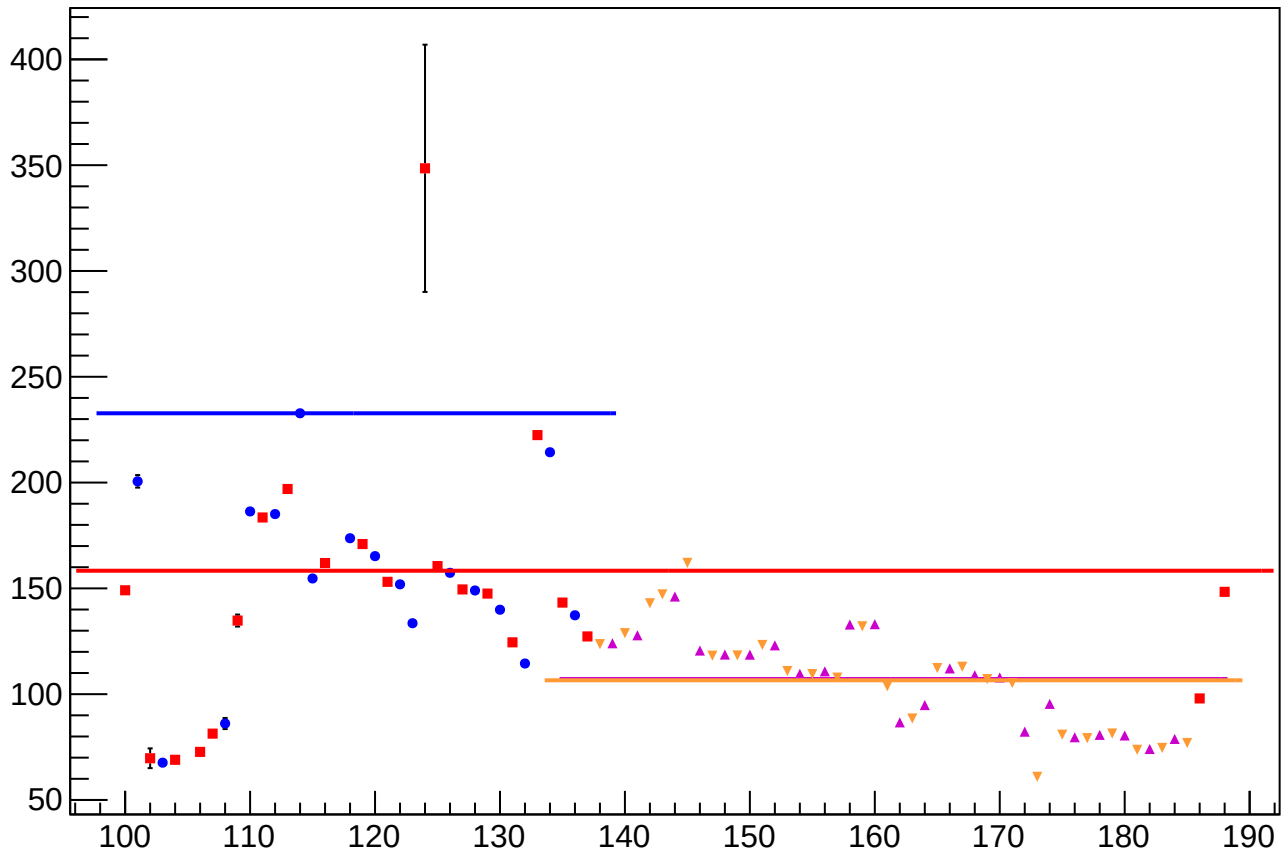
Right: 6.462+/-0.000 χ^2/NDF : 96855847891730169

In: -119.993+/-0.000 χ^2/NDF :53067898.0/39

Out: 6.562+/-0.000 χ^2/NDF :1965436.9/45

All: 6.462+/-0.000 χ^2/NDF : 96855847891730

dit_atr2_4eY_slope vs Slug, Sign Corrected



Right In: 232.747 $\pm$ 0.000 χ^2 /NDF: 885111.3/16

Left Out: 106.567 $\pm$ 0.022 χ^2 /NDF: 678463.6/24

Right Out: 158.341 $\pm$ 0.084 χ^2 /NDF: 183291.8/20

Left In: 107.162 $\pm$ 0.020 χ^2 /NDF: 786041.1/22

Left: 106.904 $\pm$ 0.015 χ^2 /NDF: 1464901.6/47

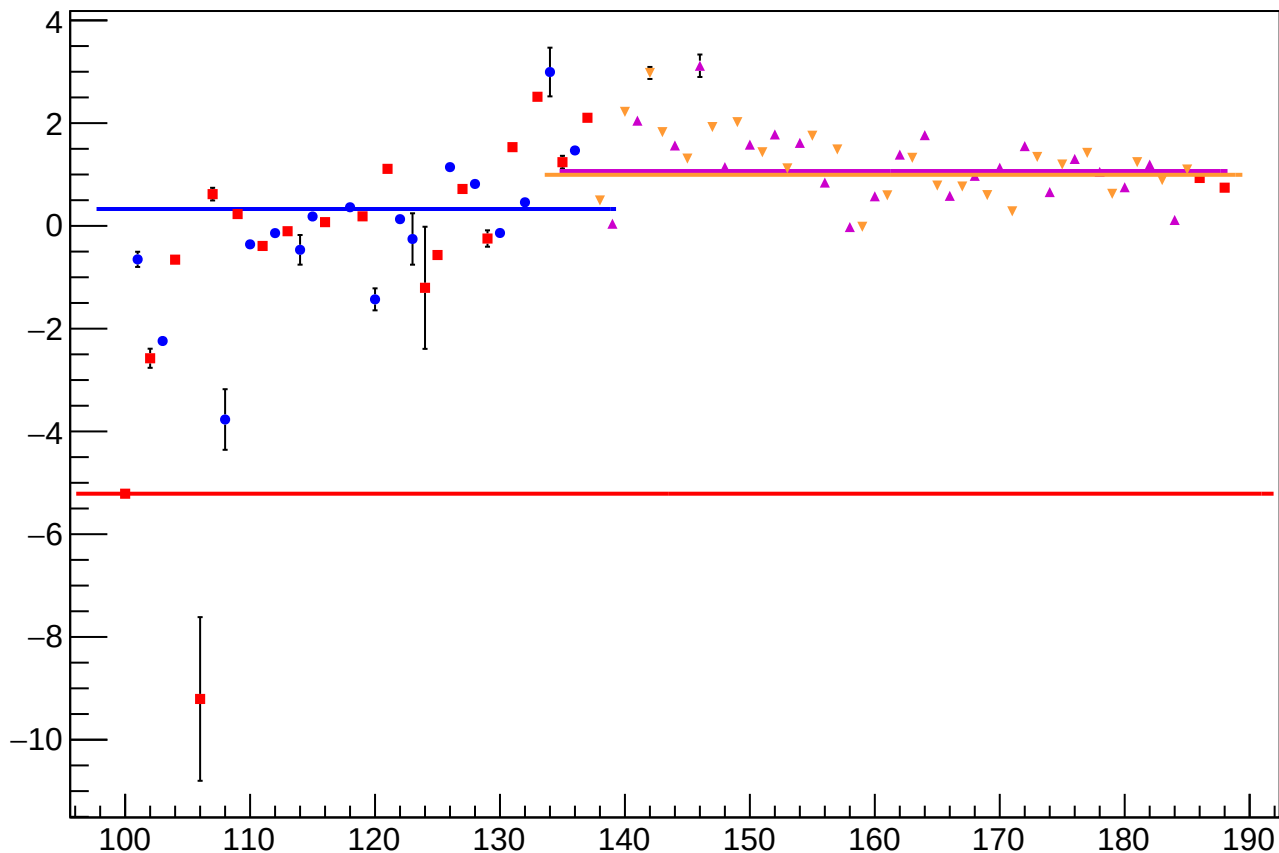
Right: 232.747 $\pm$ 0.000 χ^2 /NDF: 1861049.1/37

In: 232.747 $\pm$ 0.000 χ^2 /NDF: 42368462.0/39

Out: 110.062 $\pm$ 0.022 χ^2 /NDF: 1219625.1/45

All: 232.747 $\pm$ 0.000 χ^2 /NDF: 75510968.7/85

dit_sam1_4aX_slope vs Slug, Sign Corrected



Right In: 0.329 ± 0.013 $\chi^2/\text{NDF}: 4100.2/16$

Left Out: 0.994 ± 0.007 $\chi^2/\text{NDF}: 6460.8/24$

Right Out: -5.212 ± 0.000 $\chi^2/\text{NDF}: 523020.6/20$

Left In: 1.068 ± 0.006 $\chi^2/\text{NDF}: 7383.3/22$

Left: 1.033 ± 0.005 $\chi^2/\text{NDF}: 13906.4/47$

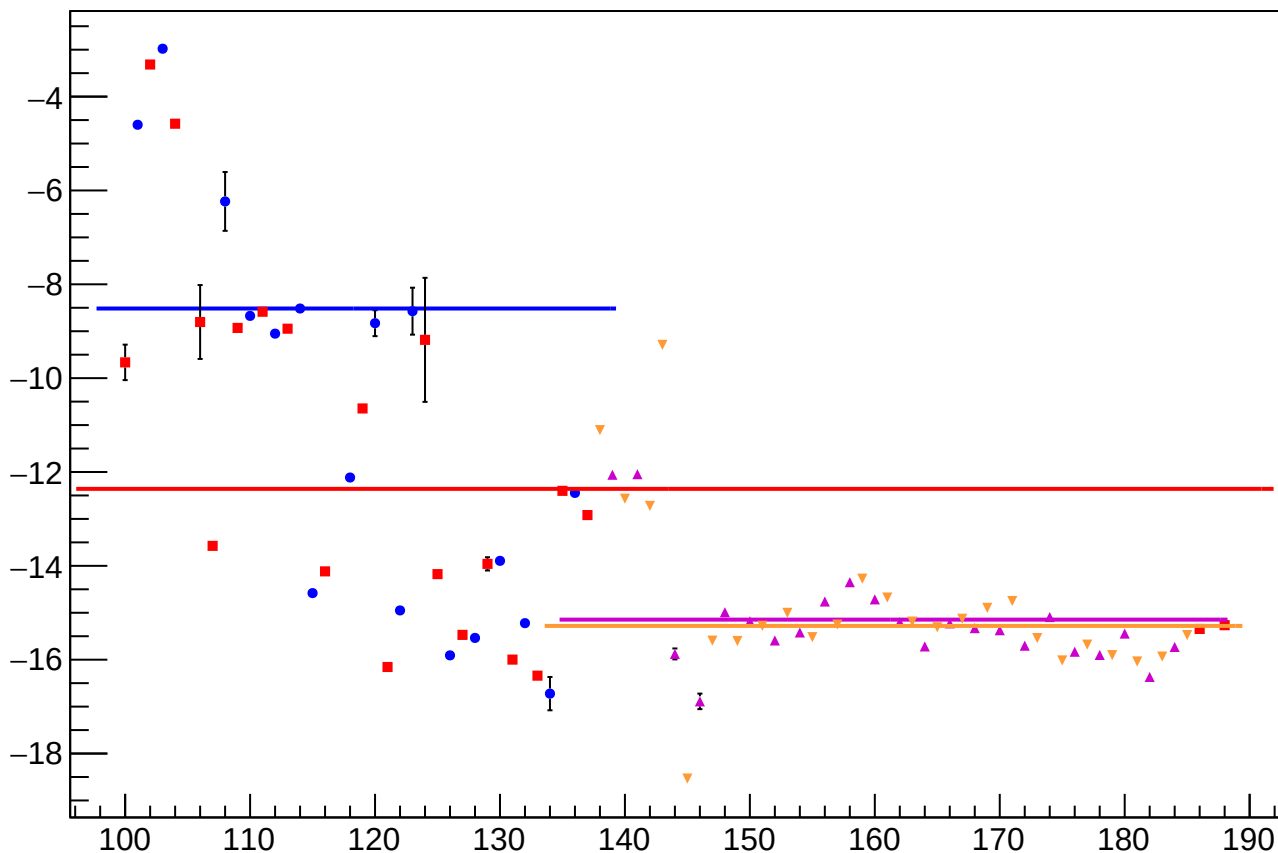
Right: -5.212 ± 0.000 $\chi^2/\text{NDF}: 712932.2/37$

In: 0.919 ± 0.006 $\chi^2/\text{NDF}: 14123.0/39$

Out: -5.212 ± 0.000 $\chi^2/\text{NDF}: 1376622.5/45$

All: -5.212 ± 0.000 $\chi^2/\text{NDF}: 2516462.2/85$

dit_sam1_4eX_slope vs Slug, Sign Corrected



Right In: -8.516 ± 0.000 χ^2/NDF : 245356.0/16

Left Out: -15.280 ± 0.005 χ^2/NDF : 40352.7/24

Right Out: -12.359 ± 0.010 χ^2/NDF : 126292.4/20

Left In: -15.146 ± 0.006 χ^2/NDF : 15634.6/22

Left: -15.218 ± 0.004 χ^2/NDF : 56275.3/47

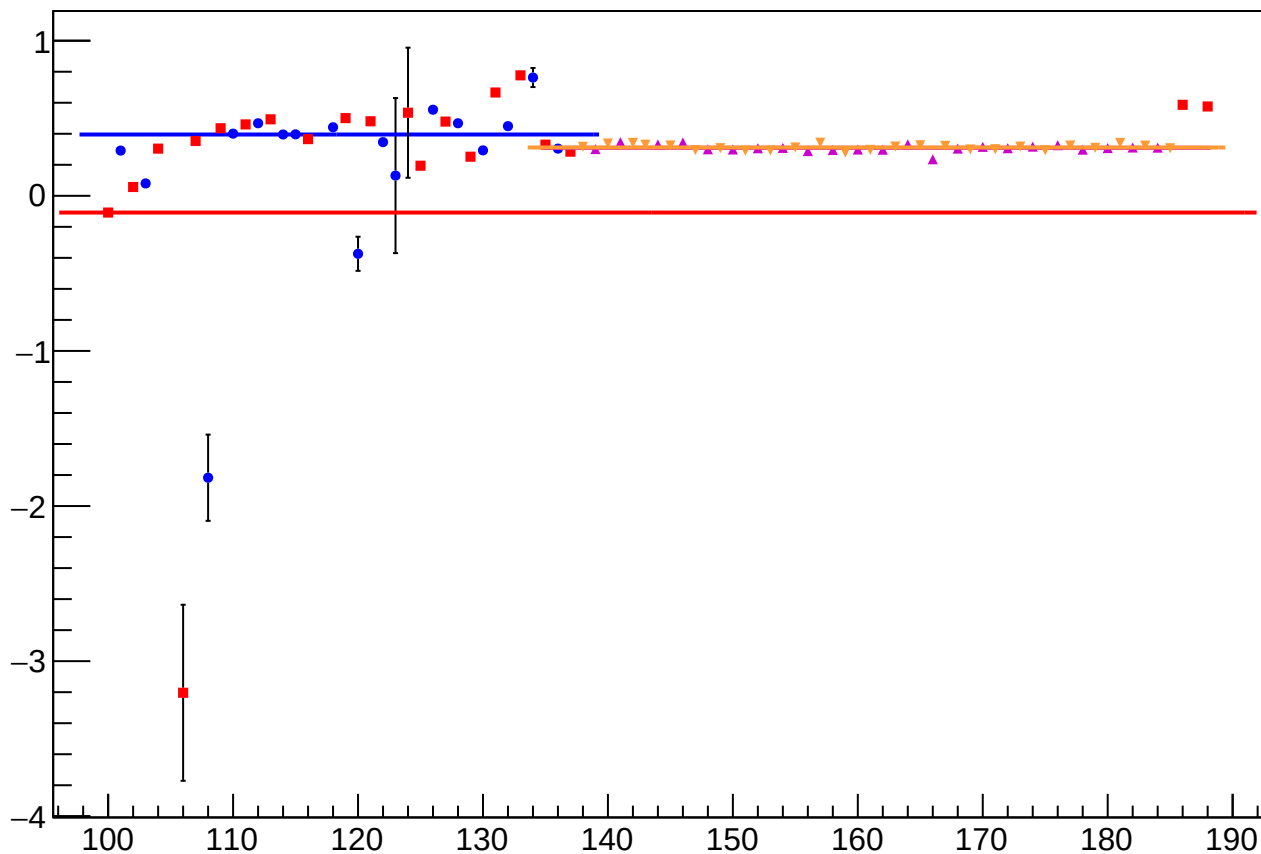
Right: -8.516 ± 0.000 χ^2/NDF : 506504.2/37

In: -8.516 ± 0.000 χ^2/NDF : 1574560.1/39

Out: -14.668 ± 0.005 χ^2/NDF : 228219.7/45

All: -8.516 ± 0.000 χ^2/NDF : 3452345.7/85

dit_sam1_11X12X_slope vs Slug, Sign Corrected



Right In: 0.395 $\pm$ 0.000 χ^2 /NDF: 10311.3/16

Left Out: 0.312 $\pm$ 0.000 χ^2 /NDF:5312.5/24

Right Out: -0.108 $\pm$ 0.000 χ^2 /NDF: 132355.8/20

Left In: 0.309 $\pm$ 0.000 χ^2 /NDF:2994.1/22

Left: 0.311 $\pm$ 0.000 χ^2 /NDF: 8352.6/47

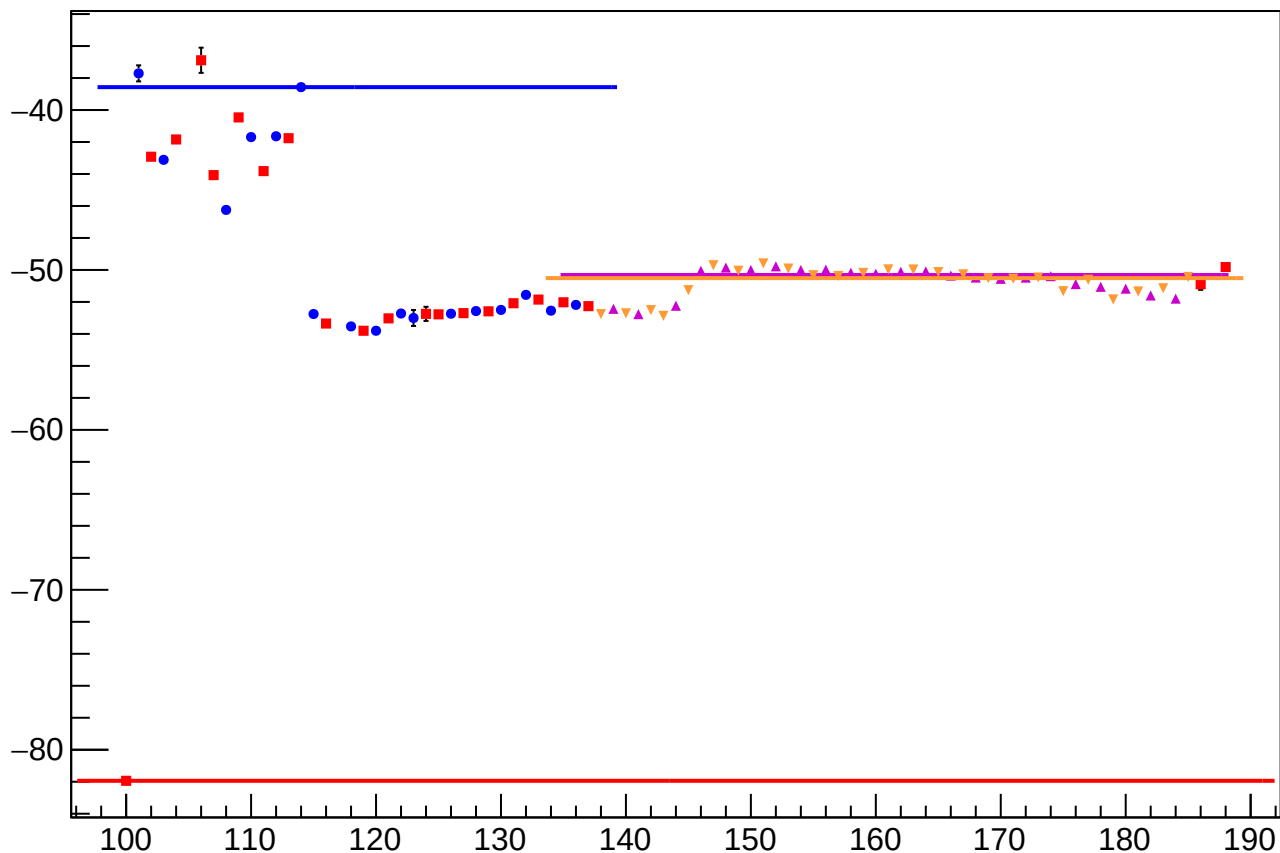
Right: -0.056 $\pm$ 0.000 χ^2 /NDF: 8110213490538816

In: 0.395 $\pm$ 0.000 χ^2 /NDF:152928.3/39

Out: -0.108 $\pm$ 0.000 χ^2 /NDF:3755815.1/45

All: -0.056 $\pm$ 0.000 χ^2 /NDF: 8110213490538

dit_sam1_4aY_slope vs Slug, Sign Corrected



Right In: -38.570+/-0.000 χ^2/NDF : 12311757.7/16

Left Out: -50.512+/-0.001 χ^2/NDF : 289828.8/24

Right Out: -81.941+/-0.000 χ^2/NDF : 120439872.5/20

Left In: -50.317+/-0.001 χ^2/NDF : 186234.6/22

Left: -50.404+/-0.001 χ^2/NDF : 486261.6/47

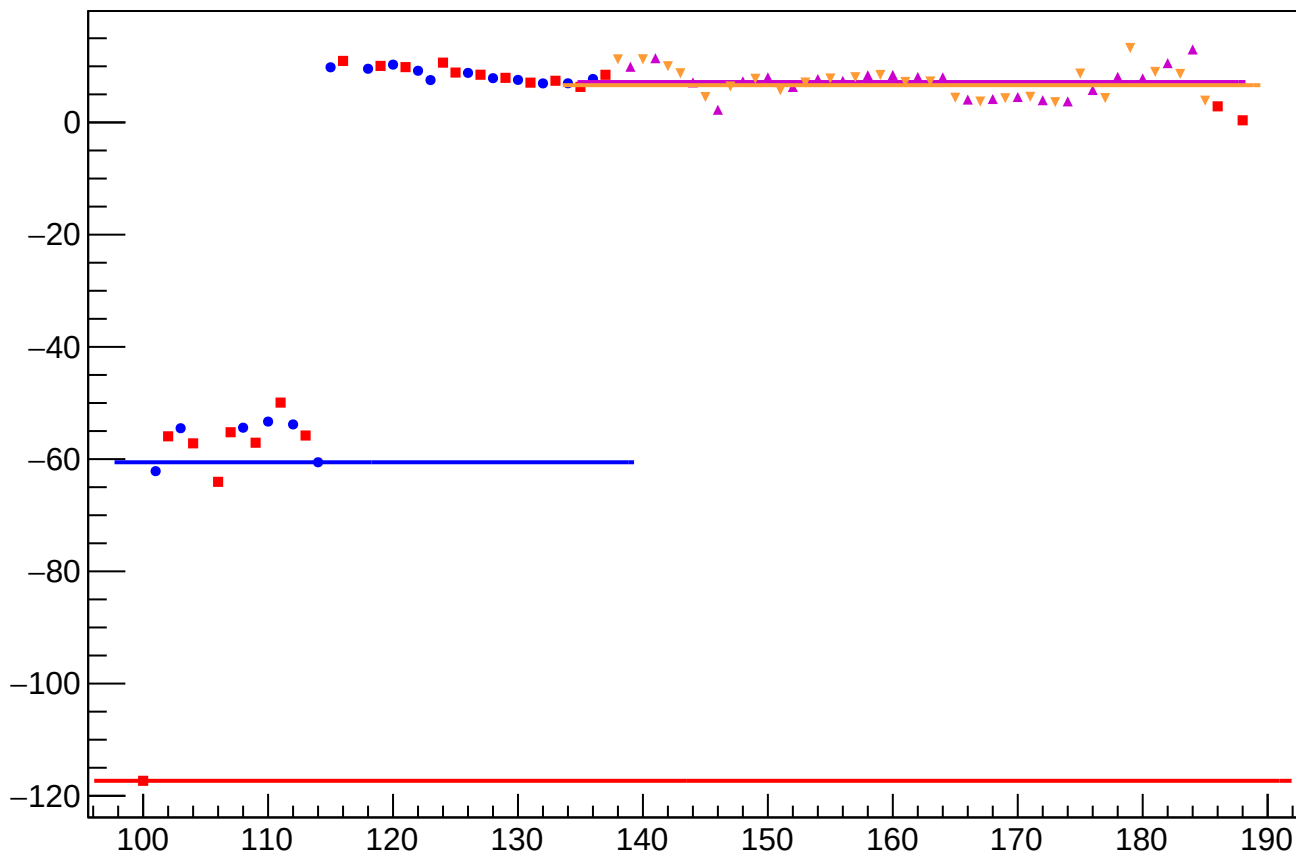
Right: -43.774+/-0.000 χ^2/NDF : 491816286535349

In: -38.570+/-0.000 χ^2/NDF : 95854287.4/39

Out: -81.941+/-0.000 χ^2/NDF : 600948804.9/45

All: -43.774+/-0.000 χ^2/NDF : 491816286535

dit_sam1_4eY_slope vs Slug, Sign Corrected



Right In: -60.561 $\pm$ 0.000 χ^2 /NDF: 179199478.6/16

Left Out: 6.637 $\pm$ 0.004 χ^2 /NDF: 338489.5/24

Right Out: -117.324 $\pm$ 0.000 χ^2 /NDF: 219645334.5/20

Left In: 7.199 $\pm$ 0.003 χ^2 /NDF: 202969.6/22

Left: 6.937 $\pm$ 0.003 χ^2 /NDF: 553753.2/47

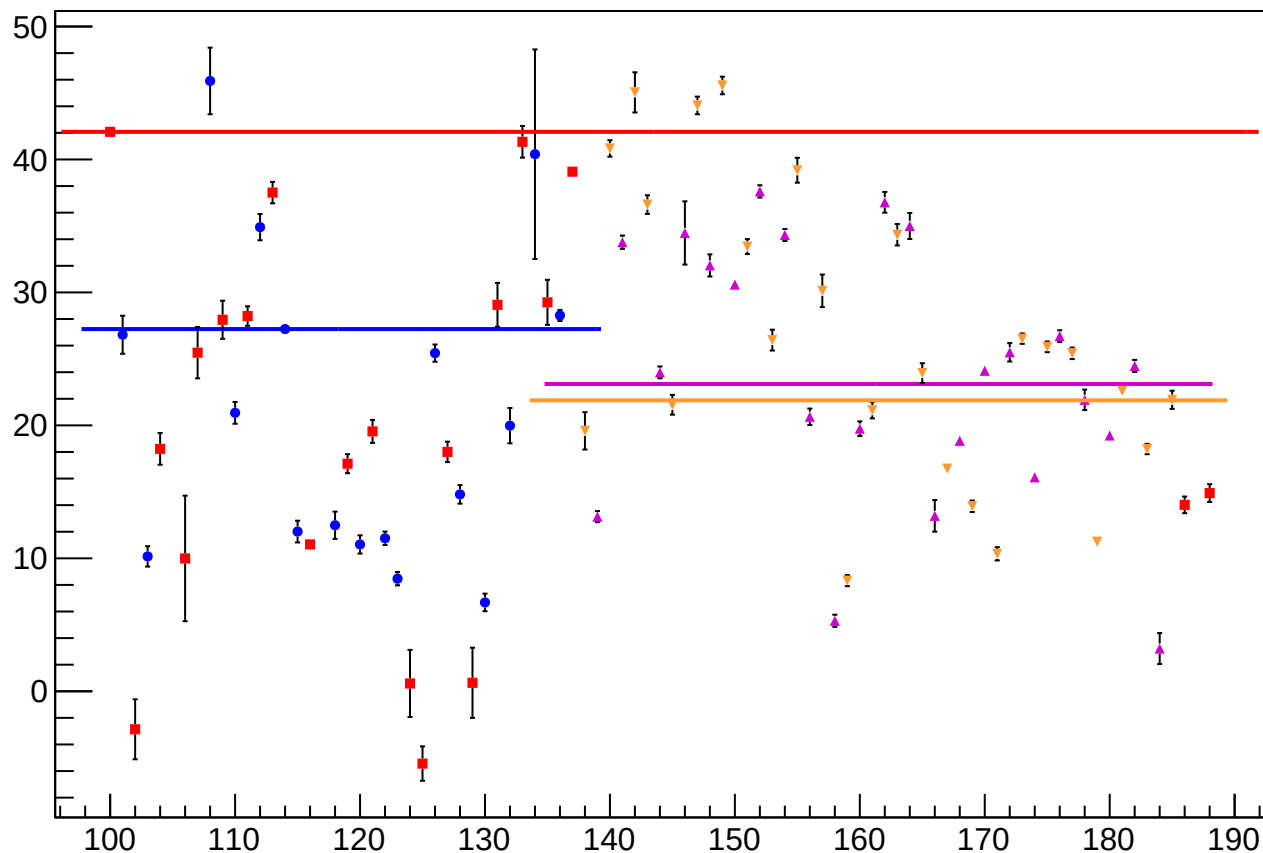
Right: -91.839 $\pm$ 0.000 χ^2 /NDF: 429805156128459

In: -60.561 $\pm$ 0.000 χ^2 /NDF: 562620624.9/39

Out: -117.324 $\pm$ 0.000 χ^2 /NDF: 1339840071.3/45

All: -91.839 $\pm$ 0.000 χ^2 /NDF: 429805156128

dit_sam2_4aX_slope vs Slug, Sign Corrected



Right In: 27.244+/-0.000 χ^2/NDF : 5492.1/16

Left Out: 21.883+/-0.100 χ^2/NDF : 8864.2/24

Right Out: 42.078+/-0.000 χ^2/NDF : 41875.5/20

Left In: 23.111+/-0.097 χ^2/NDF : 6631.9/22

Left: 22.514+/-0.070 χ^2/NDF : 15573.9/47

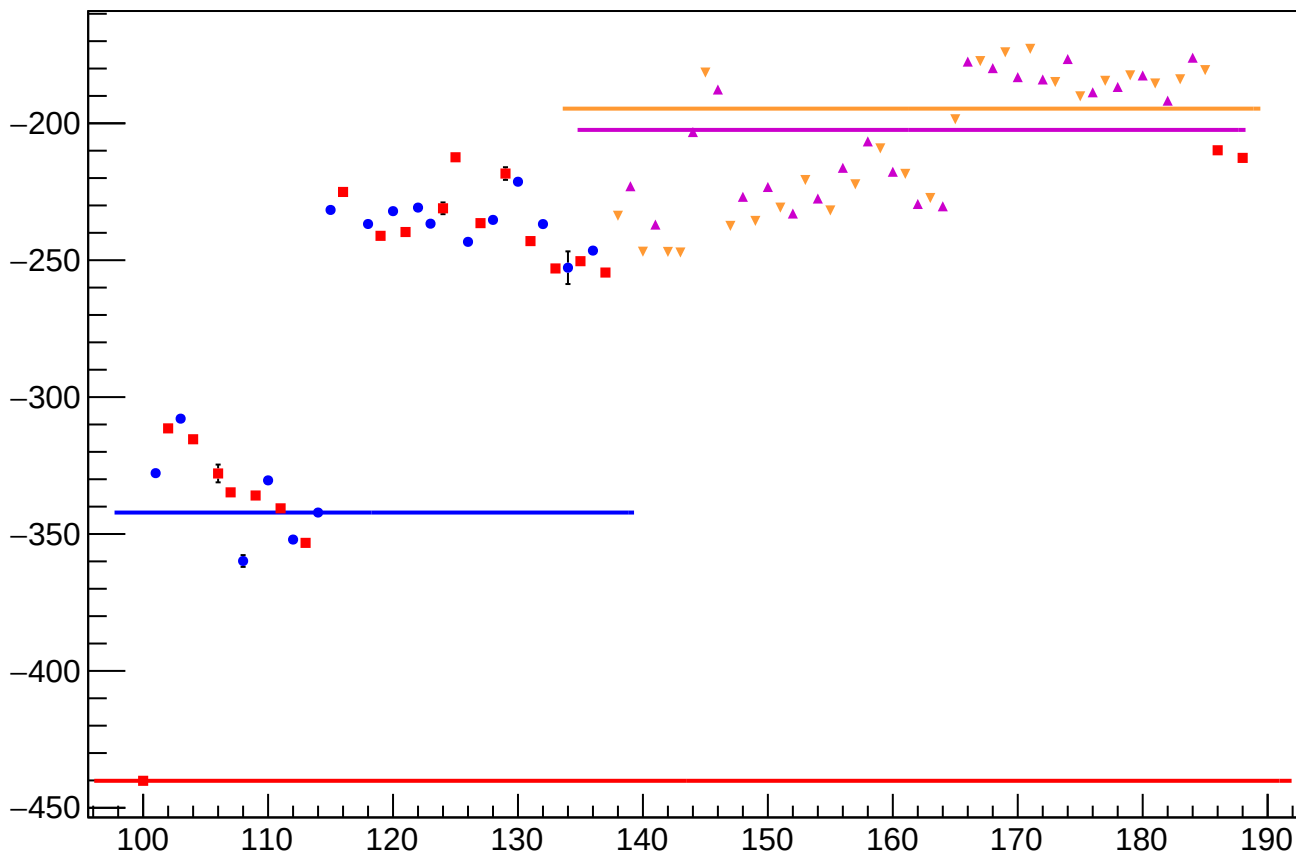
Right: 35.418+/-0.000 χ^2/NDF : 1174117197606931

In: 27.244+/-0.000 χ^2/NDF : 13934.9/39

Out: 42.078+/-0.000 χ^2/NDF : 91666.8/45

All: 35.418+/-0.000 χ^2/NDF : 1174117197606

dit_sam2_4eX_slope vs Slug, Sign Corrected



Right In: -342.165 ± 0.000 $\chi^2/\text{NDF}: 307562.3/16$

Left Out: -194.642 ± 0.083 $\chi^2/\text{NDF}: 69633.8/24$

Right Out: -440.136 ± 0.000 $\chi^2/\text{NDF}: 7366784.6/20$

Left In: -202.410 ± 0.086 $\chi^2/\text{NDF}: 63292.5/22$

Left: -198.413 ± 0.060 $\chi^2/\text{NDF}: 137140.2/47$

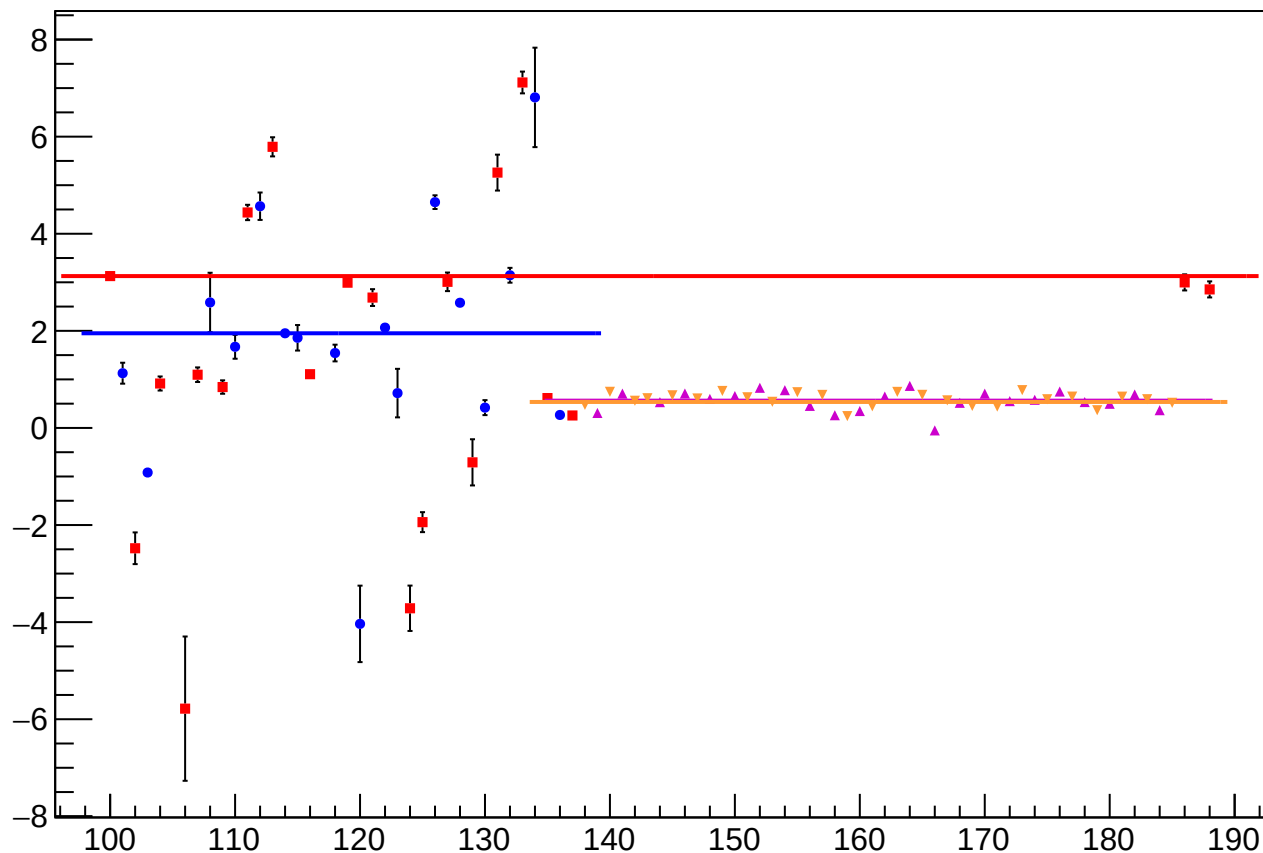
Right: -376.743 ± 0.000 $\chi^2/\text{NDF}: 11532667116612$

In: -342.165 ± 0.000 $\chi^2/\text{NDF}: 3021835.7/39$

Out: -440.136 ± 0.000 $\chi^2/\text{NDF}: 16107591.9/45$

All: -376.743 ± 0.000 $\chi^2/\text{NDF}: 11532667116$

dit_sam2_11X12X_slope vs Slug, Sign Corrected



Right In: 1.950 ± 0.000 χ^2/NDF : 64103.9/16

Left Out: 0.535 ± 0.002 χ^2/NDF : 10952.3/24

Right Out: 3.128 ± 0.000 χ^2/NDF : 24968.8/20

Left In: 0.562 ± 0.001 χ^2/NDF : 16291.7/22

Left: 0.550 ± 0.001 χ^2/NDF : 27397.2/47

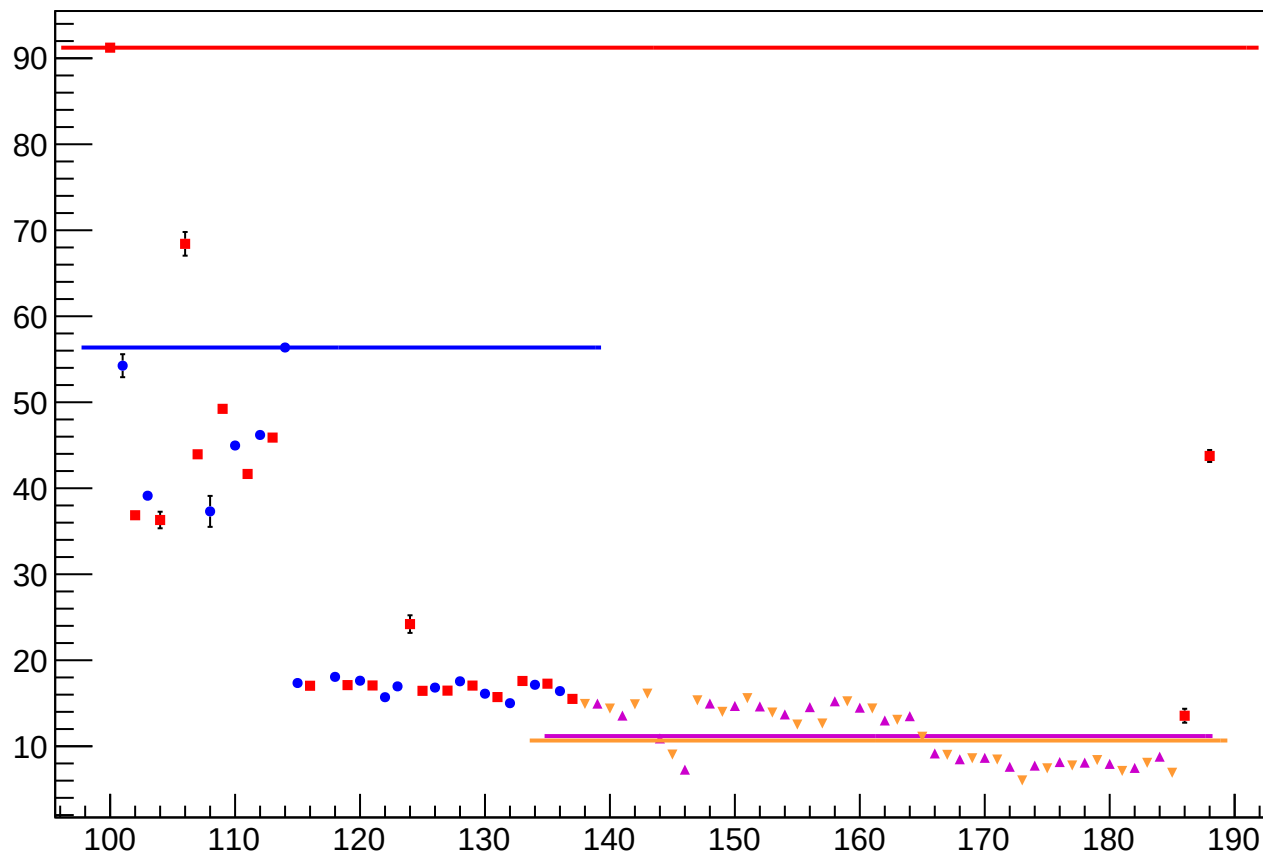
Right: 2.366 ± 0.000 χ^2/NDF : 27324586822992261

In: 1.950 ± 0.000 χ^2/NDF : 1001683.3/39

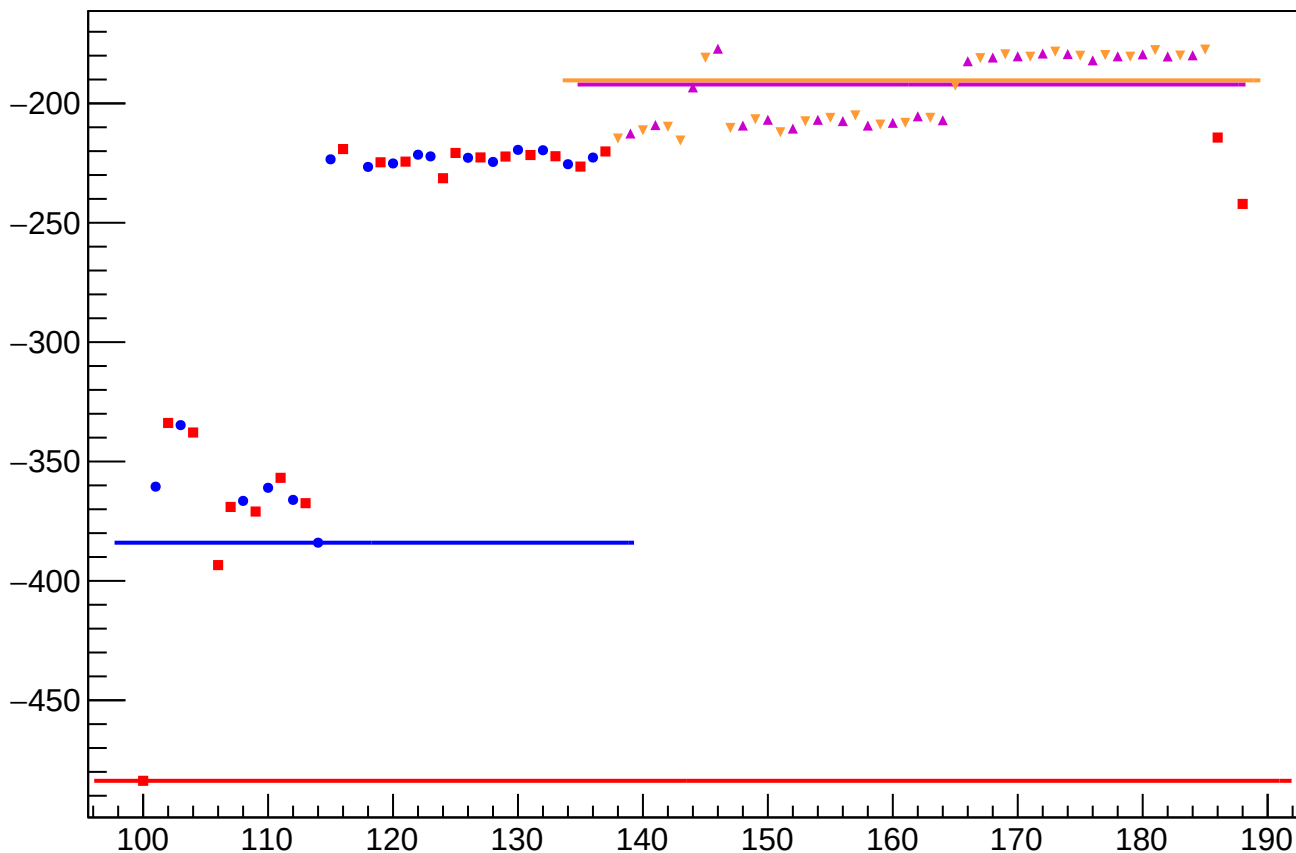
Out: 3.128 ± 0.000 χ^2/NDF : 2551807.2/45

All: 2.366 ± 0.000 χ^2/NDF : 27324586822992

dit_sam2_4aY_slope vs Slug, Sign Corrected



dit_sam2_4eY_slope vs Slug, Sign Corrected



Right In: -384.003 ± 0.000 $\chi^2/\text{NDF}: 17098507.2/16$

Left Out: -190.350 ± 0.012 $\chi^2/\text{NDF}: 1508382.7/24$

Right Out: -483.735 ± 0.000 $\chi^2/\text{NDF}: 27851389.6/20$

Left In: -192.086 ± 0.012 $\chi^2/\text{NDF}: 1430161.9/22$

Left: -191.216 ± 0.008 $\chi^2/\text{NDF}: 2949756.6/47$

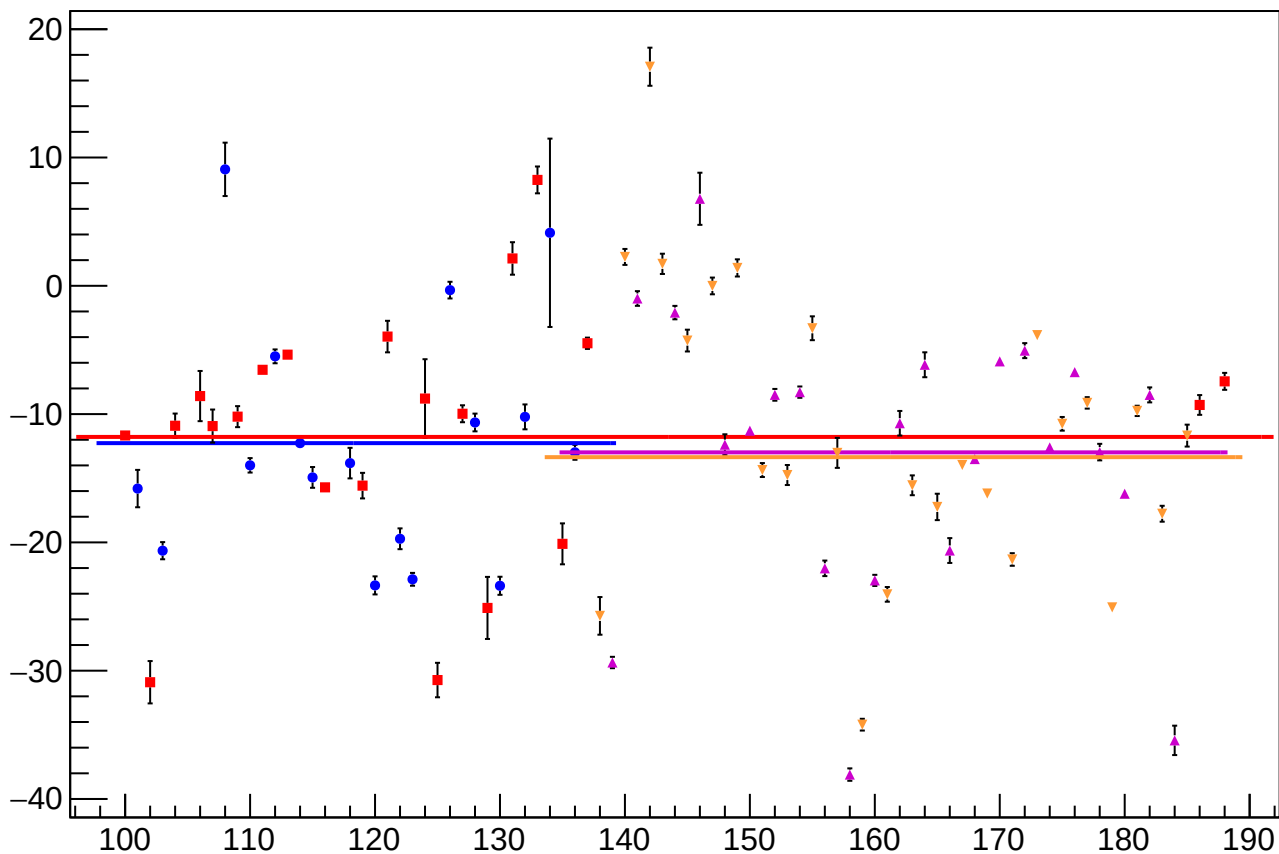
Right: -452.390 ± 0.000 $\chi^2/\text{NDF}: 58047820362383$

In: -384.003 ± 0.000 $\chi^2/\text{NDF}: 292040965.4/39$

Out: -483.735 ± 0.000 $\chi^2/\text{NDF}: 671796434.2/45$

All: -452.390 ± 0.000 $\chi^2/\text{NDF}: 58047820362$

dit_sam3_4aX_slope vs Slug, Sign Corrected



Right In: -12.264 ± 0.000 $\chi^2/\text{NDF}: 1844.2/16$

Left Out: -13.356 ± 0.109 $\chi^2/\text{NDF}: 7255.1/24$

Right Out: -11.779 ± 0.105 $\chi^2/\text{NDF}: 2582.9/20$

Left In: -12.982 ± 0.099 $\chi^2/\text{NDF}: 7714.4/22$

Left: -13.153 ± 0.073 $\chi^2/\text{NDF}: 14975.9/47$

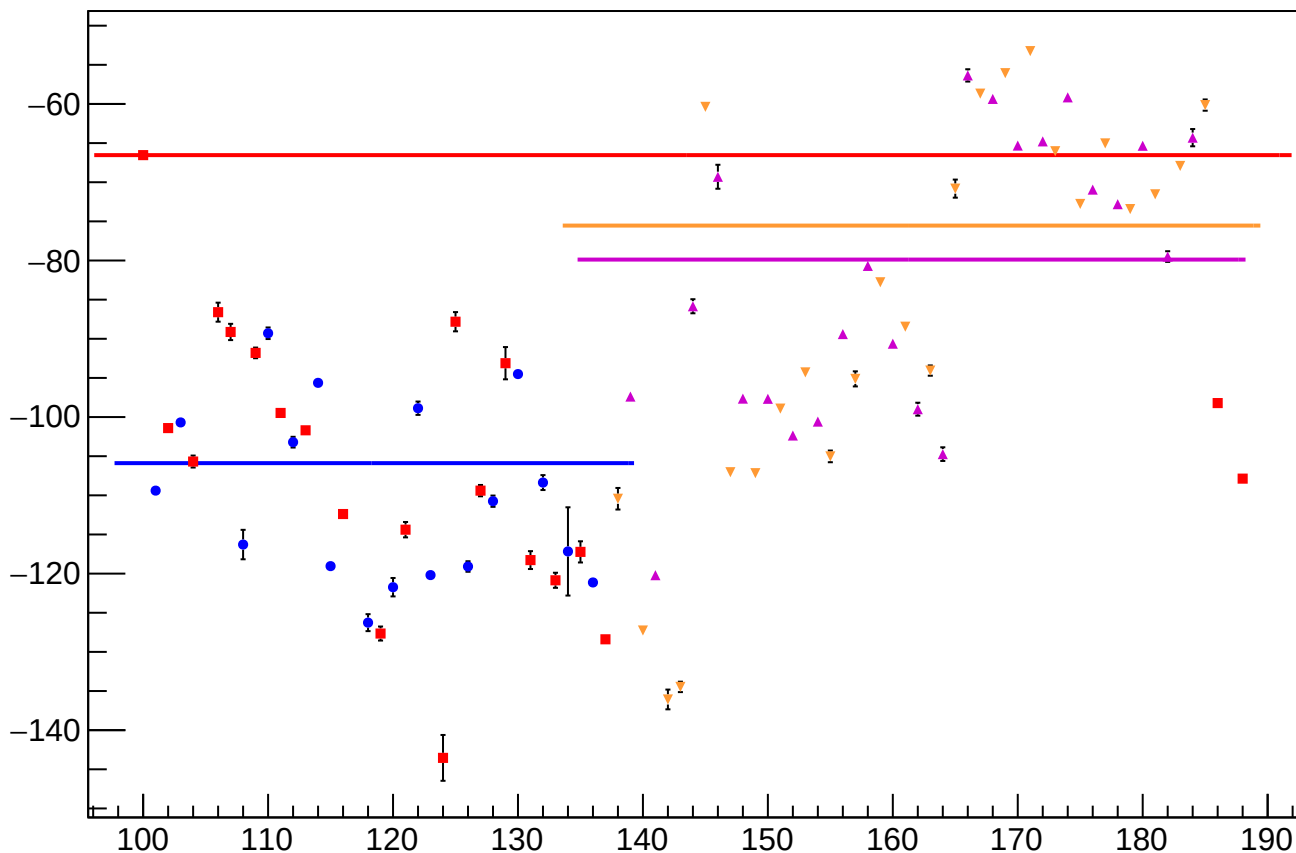
Right: -12.264 ± 0.000 $\chi^2/\text{NDF}: 4448.2/37$

In: -12.264 ± 0.000 $\chi^2/\text{NDF}: 9611.1/39$

Out: -12.544 ± 0.076 $\chi^2/\text{NDF}: 9946.7/45$

All: -12.264 ± 0.000 $\chi^2/\text{NDF}: 19571.6/85$

dit_sam3_4eX_slope vs Slug, Sign Corrected



Right In: -105.886+/-0.108 χ^2/NDF : 6351.6/16

Left Out: -75.538+/-0.085 χ^2/NDF : 52728.0/24

Right Out: -66.536+/-0.000 χ^2/NDF : 809854.1/20

Left In: -79.882+/-0.086 χ^2/NDF : 44553.2/22

Left: -77.702+/-0.060 χ^2/NDF : 98571.1/47

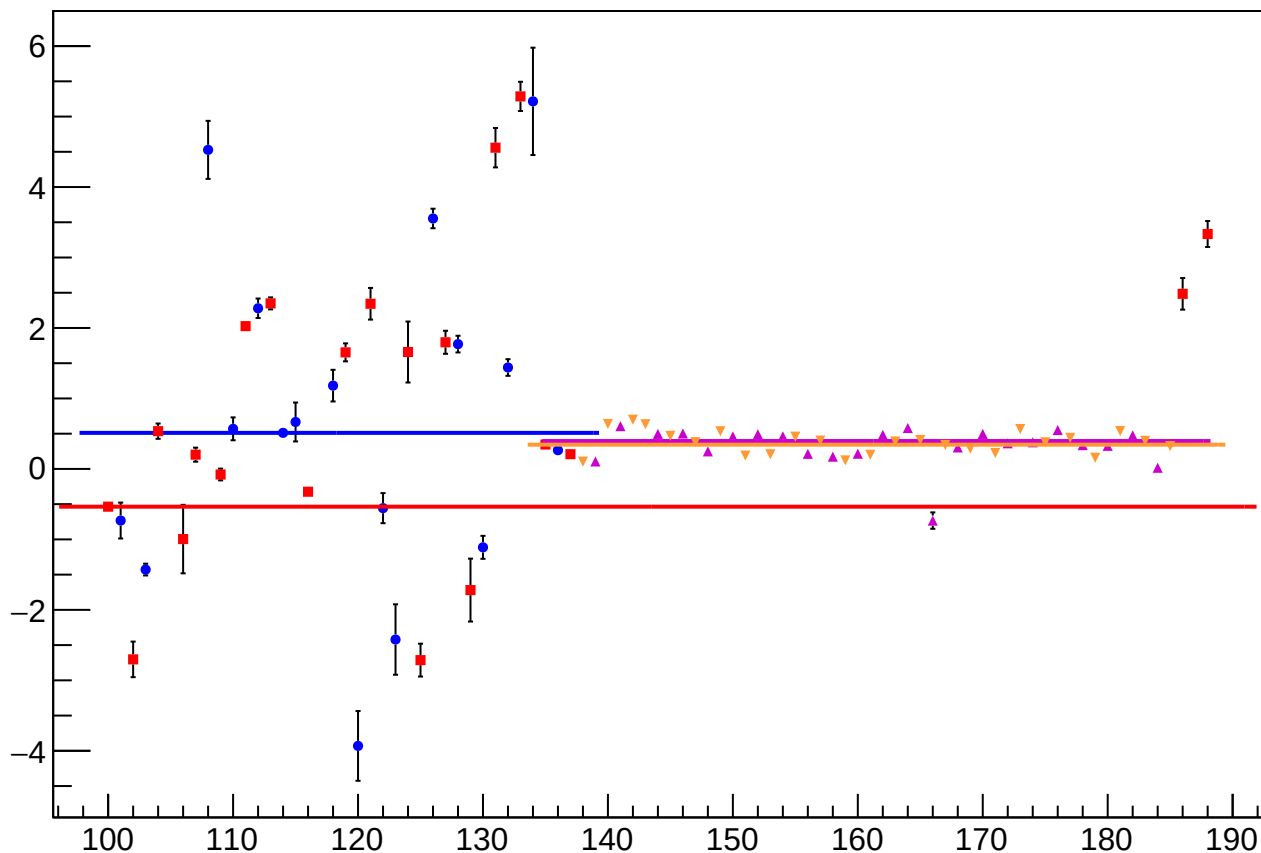
Right: -66.536+/-0.000 χ^2/NDF : 950135.0/37

In: -89.979+/-0.067 χ^2/NDF : 86683.8/39

Out: -66.536+/-0.000 χ^2/NDF : 873696.4/45

All: -66.536+/-0.000 χ^2/NDF : 1082796.5/85

dit_sam3_11X12X_slope vs Slug, Sign Corrected



Right In: 0.512+/-0.000 χ^2/NDF : 3863.6/16

Left Out: 0.344+/-0.002 χ^2/NDF :10242.3/24

Right Out: -0.536+/-0.000 χ^2/NDF : 33677.4/20

Left In: 0.396+/-0.001 χ^2/NDF :10440.9/22

Left: 0.373+/-0.001 χ^2/NDF : 21234.9/47

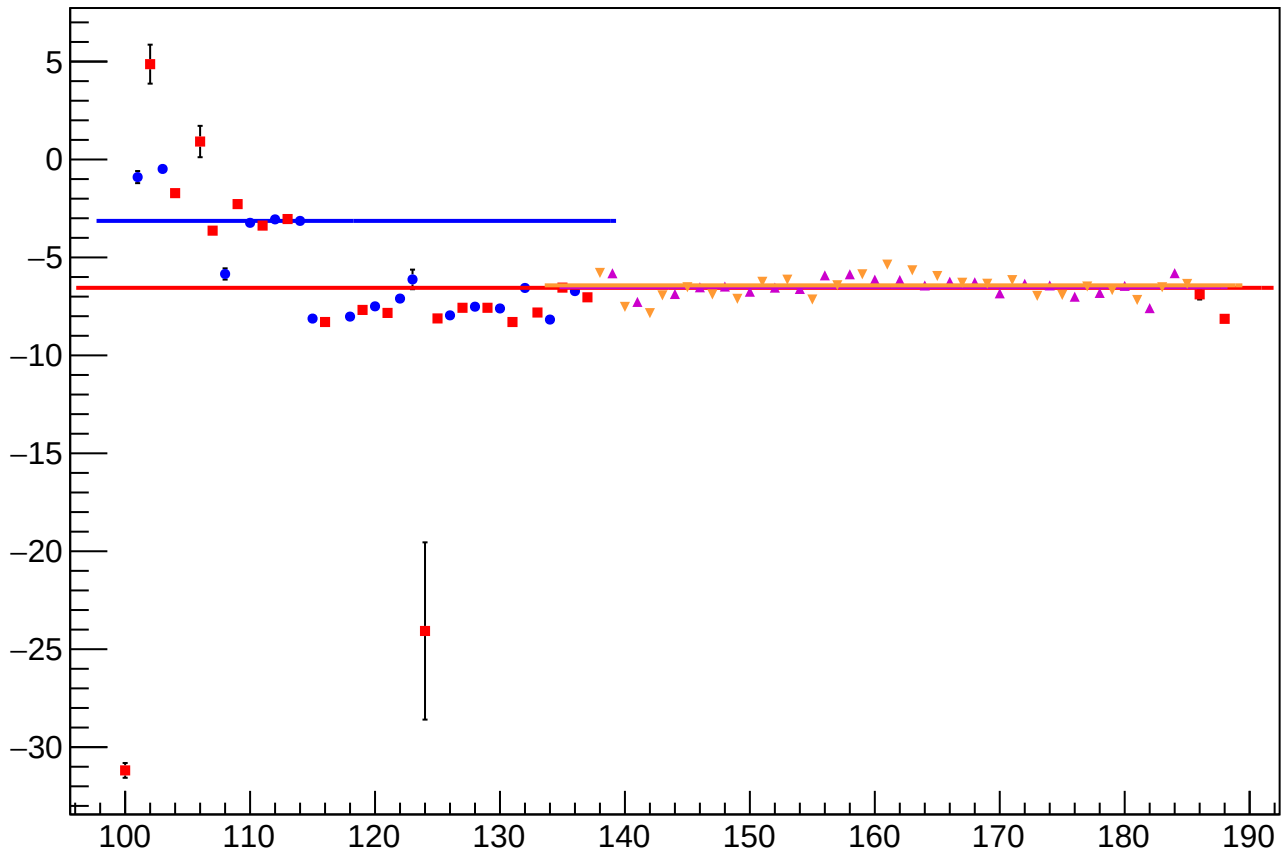
Right: 0.142+/-0.000 χ^2/NDF : 34560328403056077

In: 0.512+/-0.000 χ^2/NDF :20673.8/39

Out: -0.536+/-0.000 χ^2/NDF :329411.1/45

All: 0.142+/-0.000 χ^2/NDF : 34560328403056077

dit_sam3_4aY_slope vs Slug, Sign Corrected



Right In: -3.134 ± 0.000 χ^2/NDF : 368547.6/16

Left Out: -6.425 ± 0.005 χ^2/NDF : 7292.7/24

Right Out: -6.552 ± 0.008 χ^2/NDF : 92265.8/20

Left In: -6.517 ± 0.005 χ^2/NDF : 7083.8/22

Left: -6.473 ± 0.003 χ^2/NDF : 14566.6/47

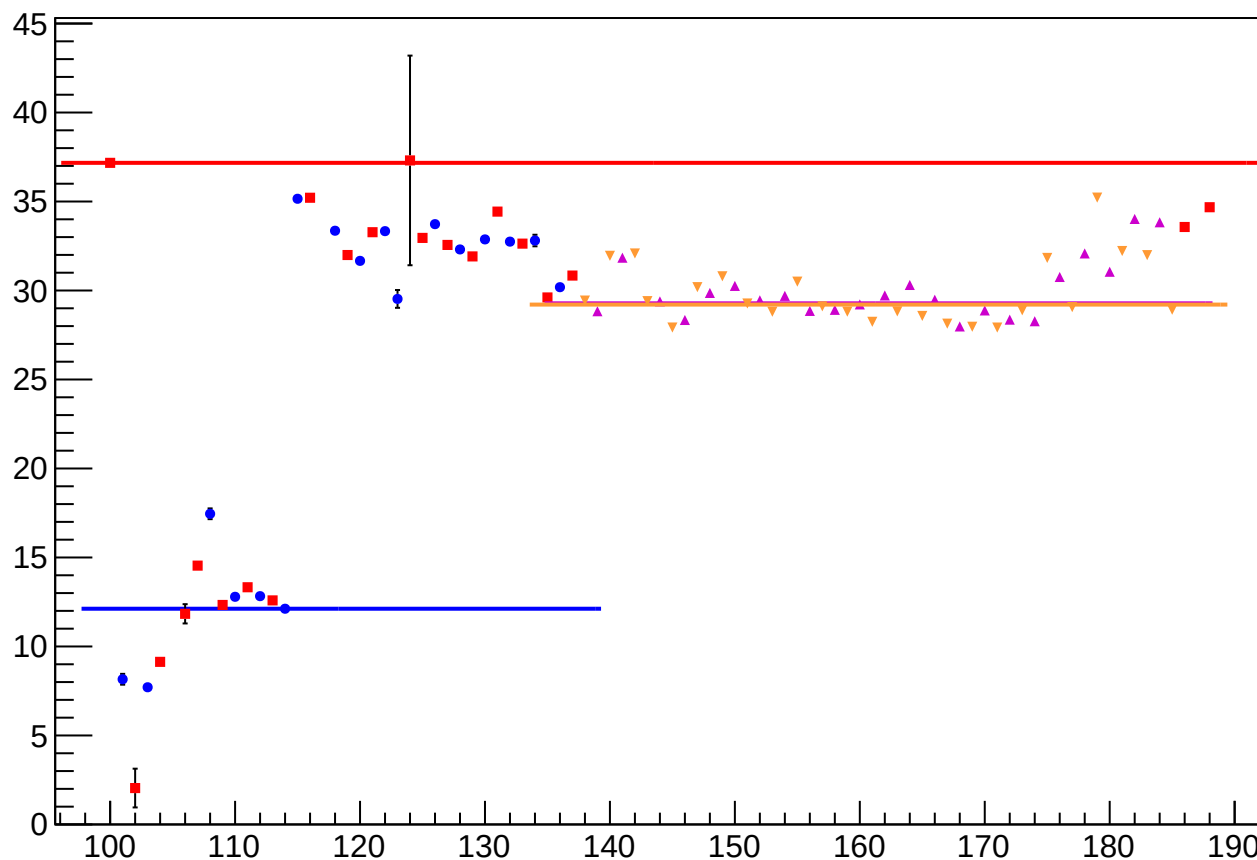
Right: -3.134 ± 0.000 χ^2/NDF : 667824.9/37

In: -3.134 ± 0.000 χ^2/NDF : 913998.5/39

Out: -6.462 ± 0.004 χ^2/NDF : 99759.9/45

All: -3.134 ± 0.000 χ^2/NDF : 1680931.2/85

dit_sam3_4eY_slope vs Slug, Sign Corrected



Right In: 12.121+/-0.000 χ^2/NDF : 1993680.8/16

Left Out: 29.209+/-0.008 χ^2/NDF : 40106.9/24

Right Out: 37.173+/-0.000 χ^2/NDF : 1531658.4/20

Left In: 29.281+/-0.008 χ^2/NDF : 12436.8/22

Left: 29.244+/-0.006 χ^2/NDF : 52580.8/47

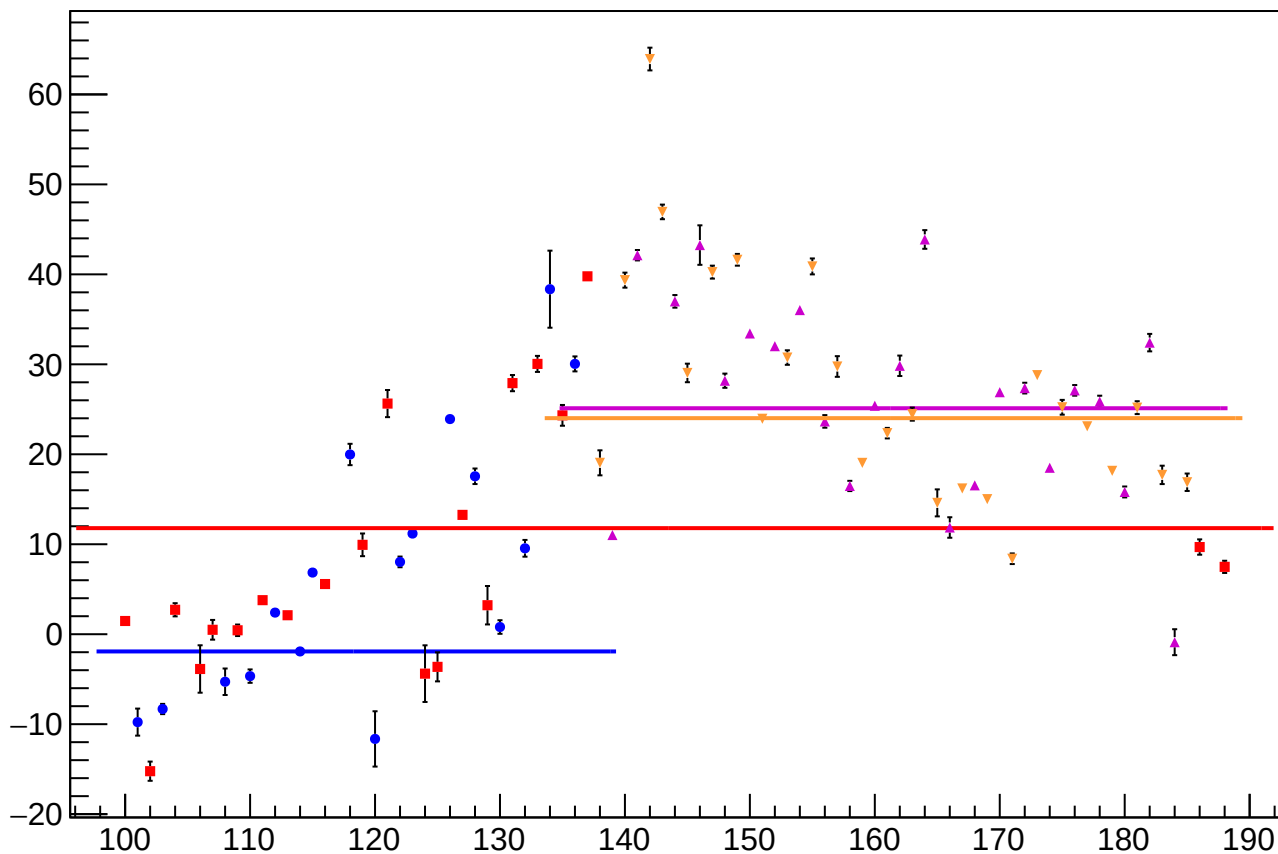
Right: 15.127+/-0.000 χ^2/NDF : 6563554116066231

In: 12.121+/-0.000 χ^2/NDF : 6168528.0/39

Out: 37.173+/-0.000 χ^2/NDF : 2480714.7/45

All: 15.127+/-0.000 χ^2/NDF : 6563554116066231

dit_sam4_4aX_slope vs Slug, Sign Corrected



Right In: -1.915 ± 0.000 χ^2/NDF : 6338.8/16

Left Out: 24.016 ± 0.127 χ^2/NDF : 6048.5/24

Right Out: 11.790 ± 0.131 χ^2/NDF : 12625.1/20

Left In: 25.118 ± 0.113 χ^2/NDF : 6448.8/22

Left: 24.629 ± 0.084 χ^2/NDF : 12539.3/47

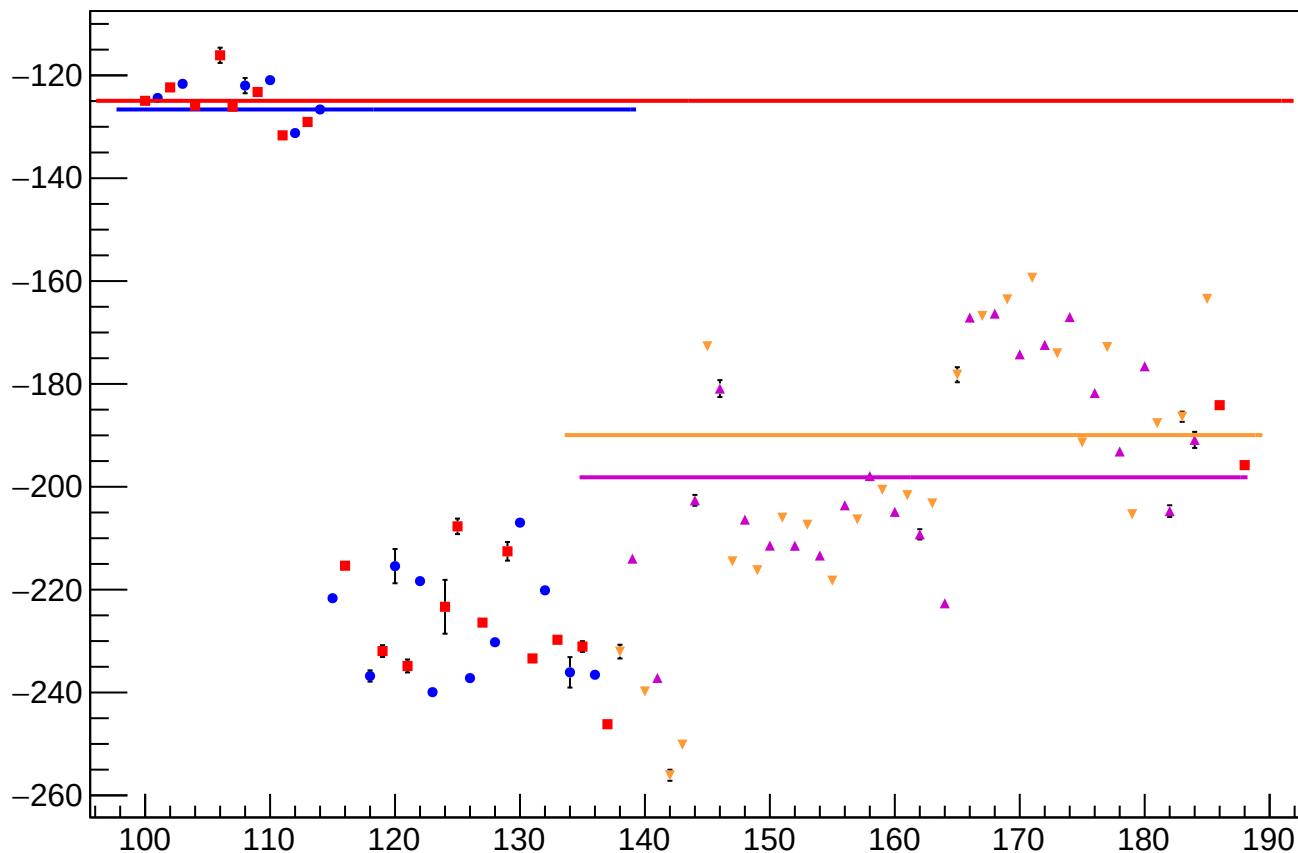
Right: -1.915 ± 0.000 χ^2/NDF : 29912.2/37

In: -1.915 ± 0.000 χ^2/NDF : 69807.0/39

Out: 18.108 ± 0.091 χ^2/NDF : 23175.3/45

All: -1.915 ± 0.000 χ^2/NDF : 141337.0/85

dit_sam4_4eX_slope vs Slug, Sign Corrected



Right In: -126.632 $\pm$ 0.000 χ^2 /NDF: 278525.1/16

Left Out: -189.945 $\pm$ 0.103 χ^2 /NDF: 51065.8/24

Right Out: -124.949 $\pm$ 0.000 χ^2 /NDF: 526265.1/20

Left In: -198.153 $\pm$ 0.098 χ^2 /NDF: 42045.5/22

Left: -194.222 $\pm$ 0.071 χ^2 /NDF: 96438.6/47

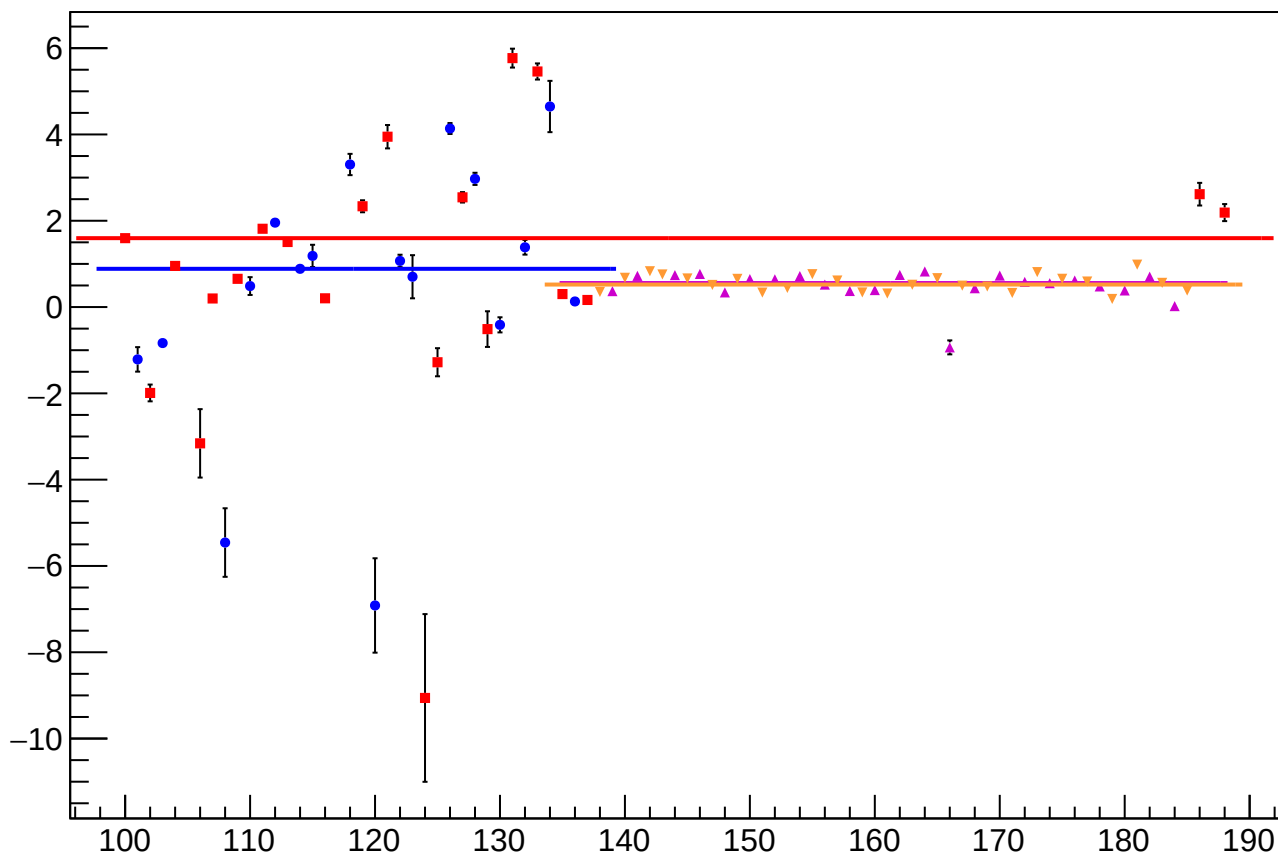
Right: -126.038 $\pm$ 0.000 χ^2 /NDF: 60537895424820

In: -126.632 $\pm$ 0.000 χ^2 /NDF: 847946.7/39

Out: -124.949 $\pm$ 0.000 χ^2 /NDF: 977818.3/45

All: -126.038 $\pm$ 0.000 χ^2 /NDF: 60537895424

dit_sam4_11X12X_slope vs Slug, Sign Corrected



Right In: 0.886 $\pm$ 0.000 χ^2 /NDF: 9294.4/16

Left Out: 0.522 $\pm$ 0.002 χ^2 /NDF:8701.1/24

Right Out: 1.597 $\pm$ 0.000 χ^2 /NDF: 4639.5/20

Left In: 0.556 $\pm$ 0.002 χ^2 /NDF:5988.8/22

Left: 0.540 $\pm$ 0.001 χ^2 /NDF: 14844.2/47

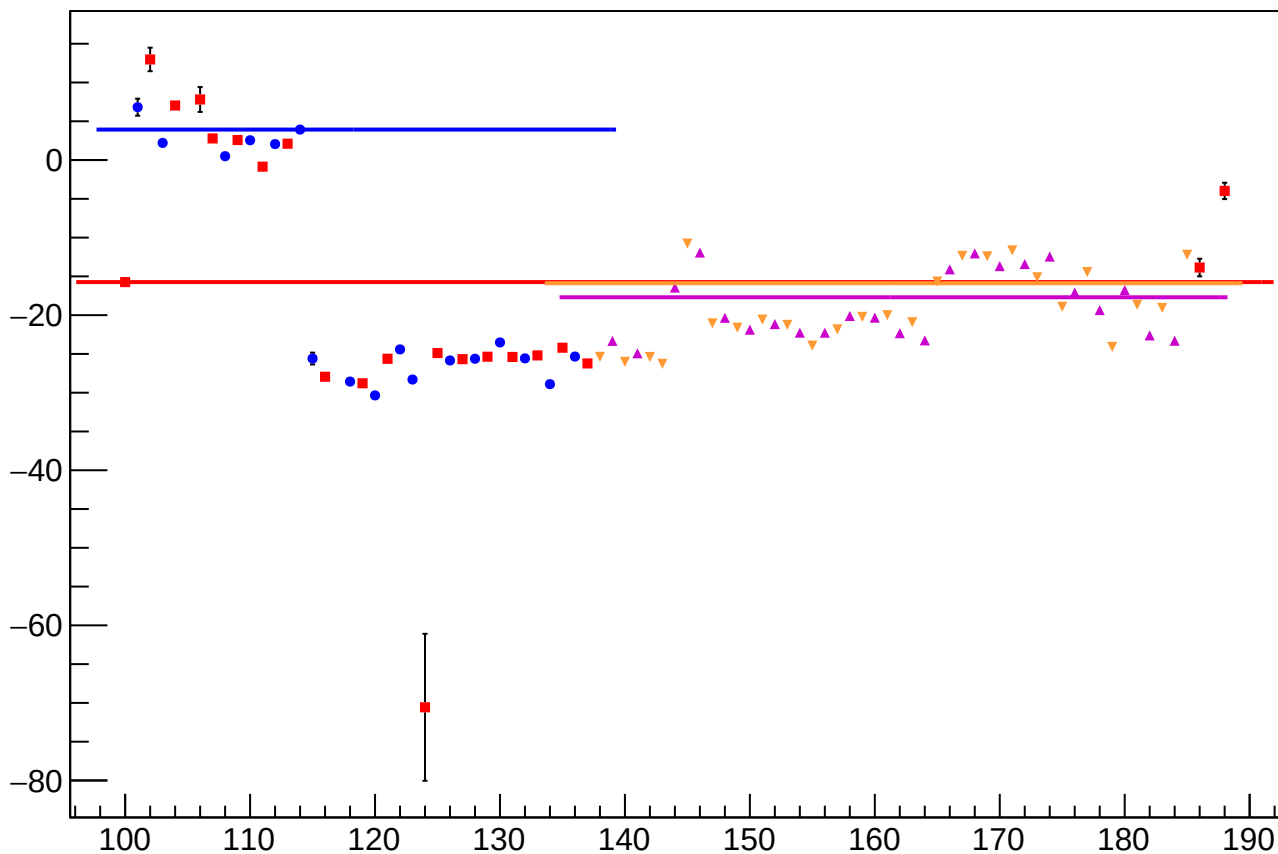
Right: 1.137 $\pm$ 0.000 χ^2 /NDF: 39737604737084083

In: 0.886 $\pm$ 0.000 χ^2 /NDF:44272.8/39

Out: 1.597 $\pm$ 0.000 χ^2 /NDF:294630.8/45

All: 1.137 $\pm$ 0.000 χ^2 /NDF: 39737604737084083

dit_sam4_4aY_slope vs Slug, Sign Corrected



Right In: 3.930 ± 0.000 χ^2/NDF : 6140834.2/16

Left Out: -15.887 ± 0.011 χ^2/NDF : 185700.9/24

Right Out: -15.737 ± 0.000 χ^2/NDF : 268078.2/20

Left In: -17.695 ± 0.012 χ^2/NDF : 121415.4/22

Left: -16.737 ± 0.008 χ^2/NDF : 319756.8/47

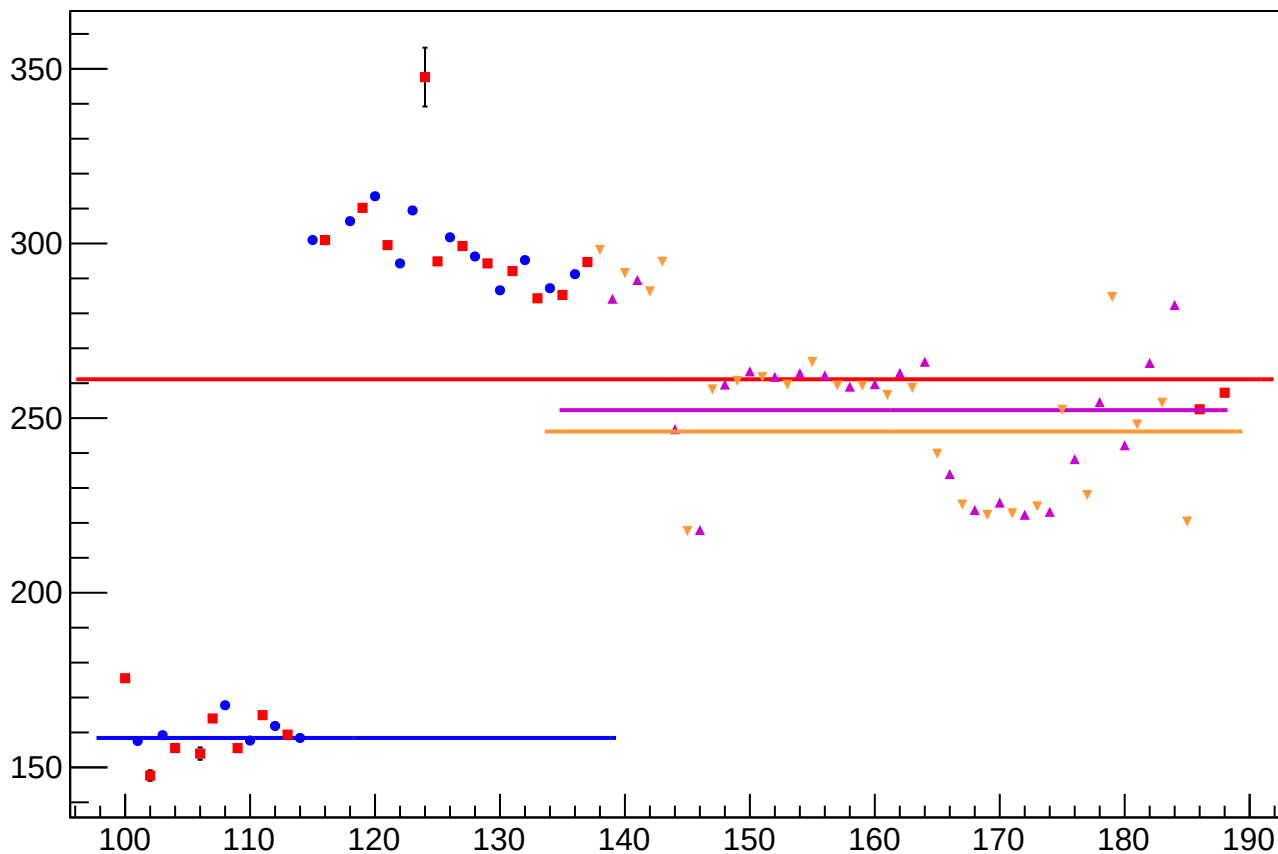
Right: 3.282 ± 0.000 χ^2/NDF : 71120480173548026

In: 3.930 ± 0.000 χ^2/NDF : 9676742.4/39

Out: -15.737 ± 0.000 χ^2/NDF : 453965.2/45

All: 3.282 ± 0.000 χ^2/NDF : 71120480173548

dit_sam4_4eY_slope vs Slug, Sign Corrected



Right In: 158.426 $\pm$ 0.000 χ^2 /NDF: 3516706.2/16

Left Out: 246.173 $\pm$ 0.028 χ^2 /NDF: 710716.0/24

Right Out: 261.123 $\pm$ 0.058 χ^2 /NDF: 1071321.3/20

Left In: 252.278 $\pm$ 0.028 χ^2 /NDF: 359829.6/22

Left: 249.187 $\pm$ 0.020 χ^2 /NDF: 1093863.0/47

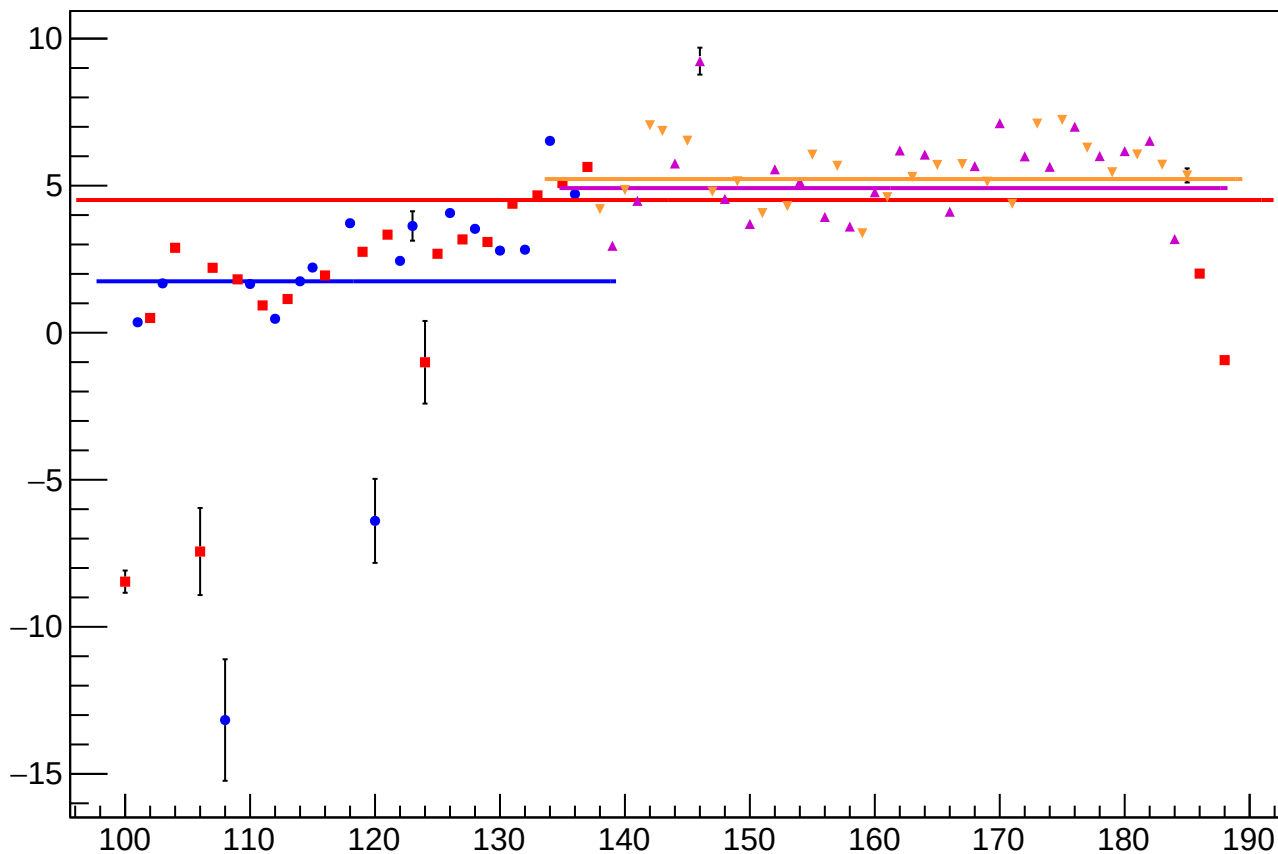
Right: 158.426 $\pm$ 0.000 χ^2 /NDF: 7703083.7/37

In: 158.426 $\pm$ 0.000 χ^2 /NDF: 14763960.0/39

Out: 248.999 $\pm$ 0.025 χ^2 /NDF: 1835572.4/45

All: 158.426 $\pm$ 0.000 χ^2 /NDF: 29418752.5/85

dit_sam5_4aX_slope vs Slug, Sign Corrected



Right In: 1.748 ± 0.000 χ^2/NDF : 11344.3/16

Left Out: 5.225 ± 0.014 χ^2/NDF : 4400.6/24

Right Out: 4.512 ± 0.006 χ^2/NDF : 86706.1/20

Left In: 4.917 ± 0.013 χ^2/NDF : 10749.9/22

Left: 5.060 ± 0.009 χ^2/NDF : 15422.0/47

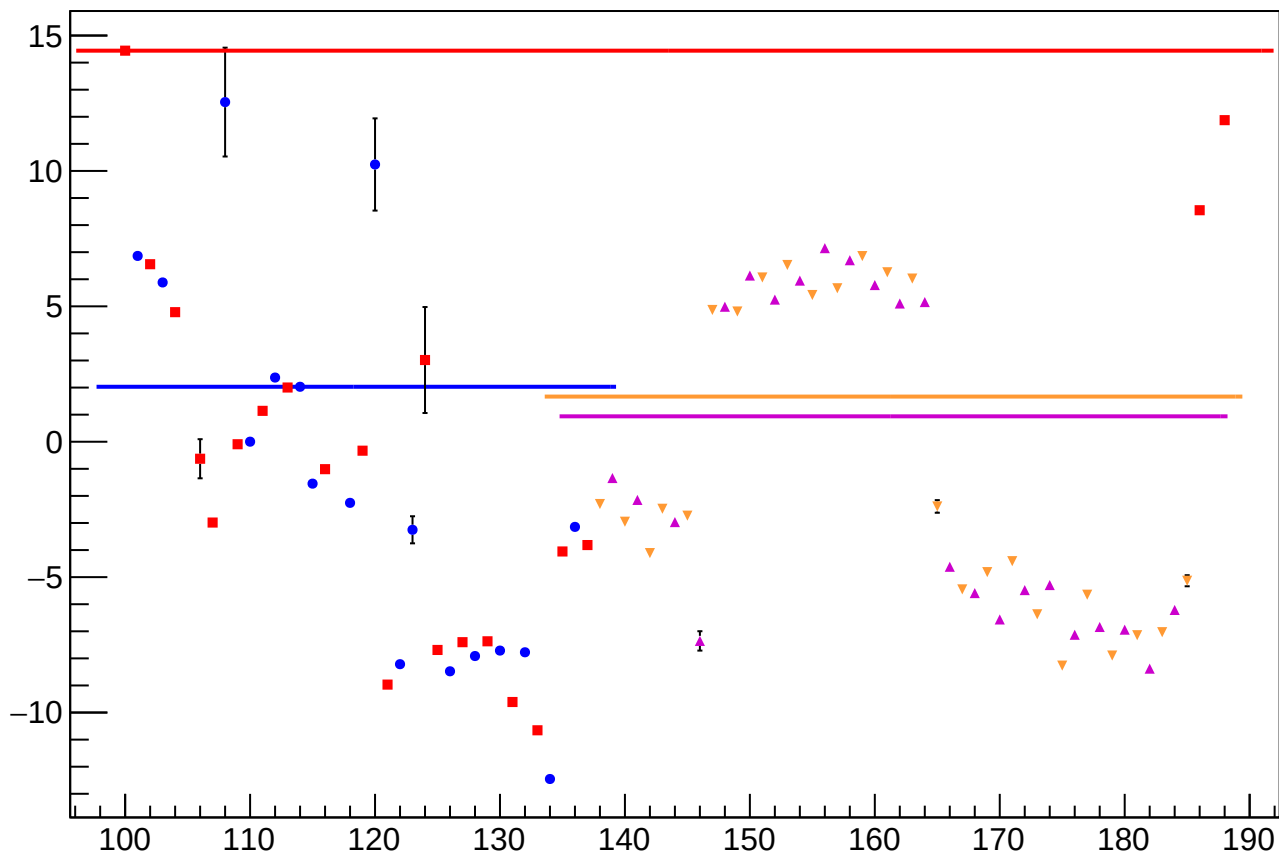
Right: 1.748 ± 0.000 χ^2/NDF : 292760.1/37

In: 1.748 ± 0.000 χ^2/NDF : 83883.8/39

Out: 4.635 ± 0.006 χ^2/NDF : 93353.2/45

All: 1.748 ± 0.000 χ^2/NDF : 434202.8/85

dit_sam5_4eX_slope vs Slug, Sign Corrected



Right In: 2.030+/-0.000 χ^2/NDF : 202792.6/16

Left Out: 1.668+/-0.011 χ^2/NDF : 218728.7/24

Right Out: 14.441+/-0.000 χ^2/NDF : 5855781.8/20

Left In: 0.938+/-0.011 χ^2/NDF : 253480.7/22

Left: 1.292+/-0.008 χ^2/NDF : 474298.1/47

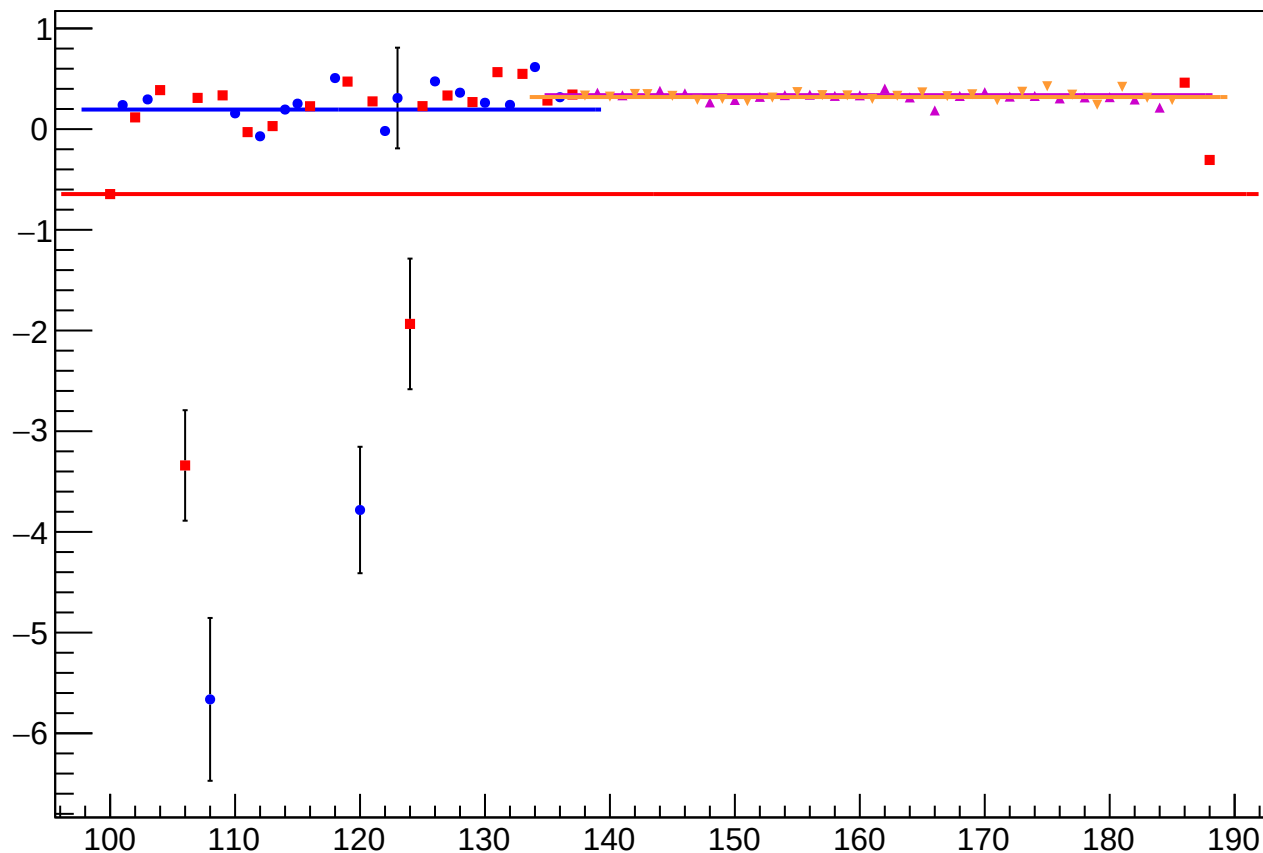
Right: 2.439+/-0.000 χ^2/NDF : 70811145349033114

In: 2.030+/-0.000 χ^2/NDF : 465925.1/39

Out: 14.441+/-0.000 χ^2/NDF : 7317929.5/45

All: 2.439+/-0.000 χ^2/NDF : 70811145349033114

dit_sam5_11X12X_slope vs Slug, Sign Corrected



Right In: 0.194 ± 0.000 $\chi^2/\text{NDF}: 9617.3/16$

Left Out: 0.319 ± 0.001 $\chi^2/\text{NDF}: 3548.1/24$

Right Out: -0.645 ± 0.000 $\chi^2/\text{NDF}: 195334.4/20$

Left In: 0.337 ± 0.001 $\chi^2/\text{NDF}: 4013.5/22$

Left: 0.327 ± 0.000 $\chi^2/\text{NDF}: 8203.5/47$

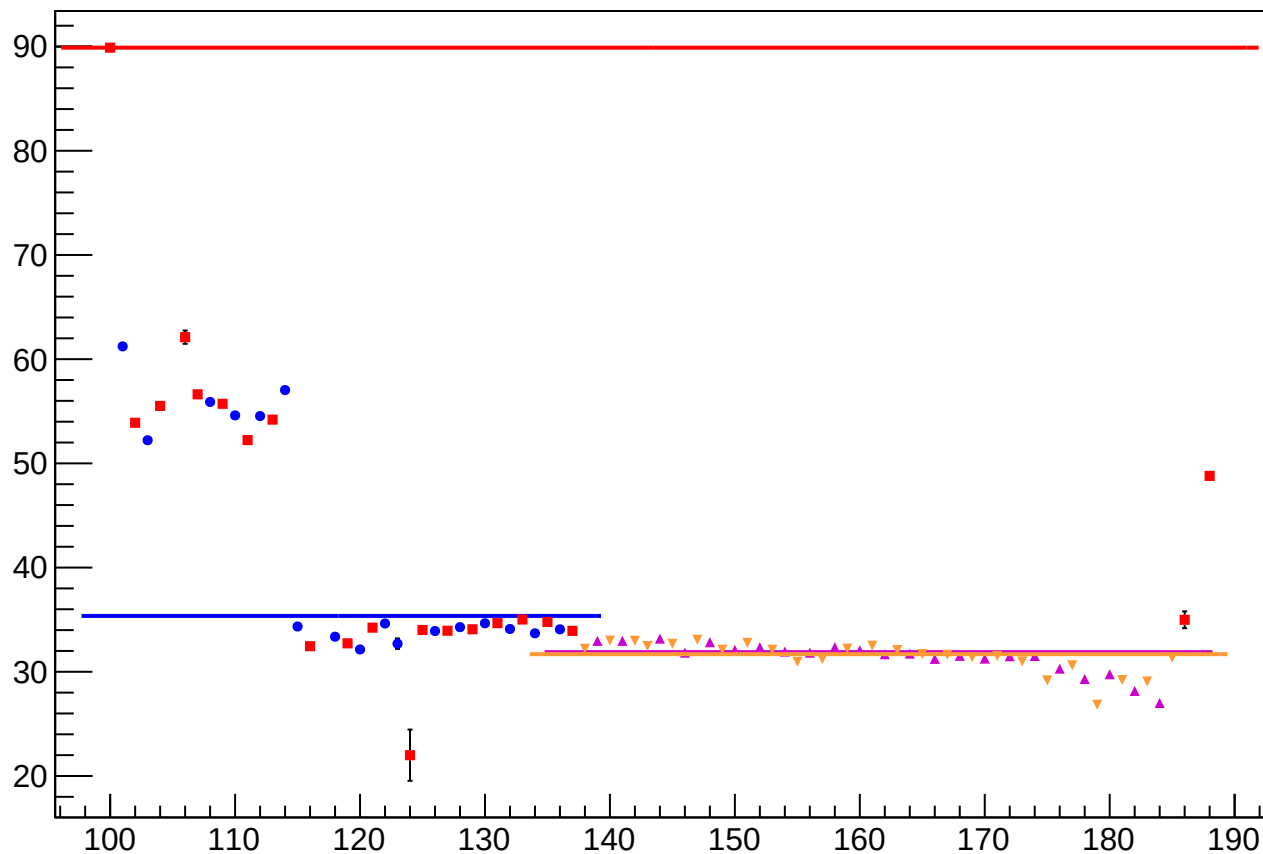
Right: 0.167 ± 0.000 $\chi^2/\text{NDF}: 33165765284559017$

In: 0.194 ± 0.000 $\chi^2/\text{NDF}: 83519.5/39$

Out: -0.645 ± 0.000 $\chi^2/\text{NDF}: 3866583.9/45$

All: 0.167 ± 0.000 $\chi^2/\text{NDF}: 33165765284559017$

dit_sam5_4aY_slope vs Slug, Sign Corrected



Right In: 35.361+/-0.011 χ^2/NDF : 204481.2/16

Left Out: 31.692+/-0.003 χ^2/NDF :68085.3/24

Right Out: 89.893+/-0.000 χ^2/NDF : 68699907.8/20

Left In: 31.887+/-0.004 χ^2/NDF :33208.8/22

Left: 31.773 ± 0.002 $\chi^2/\text{NDF}: 102978.7/47$

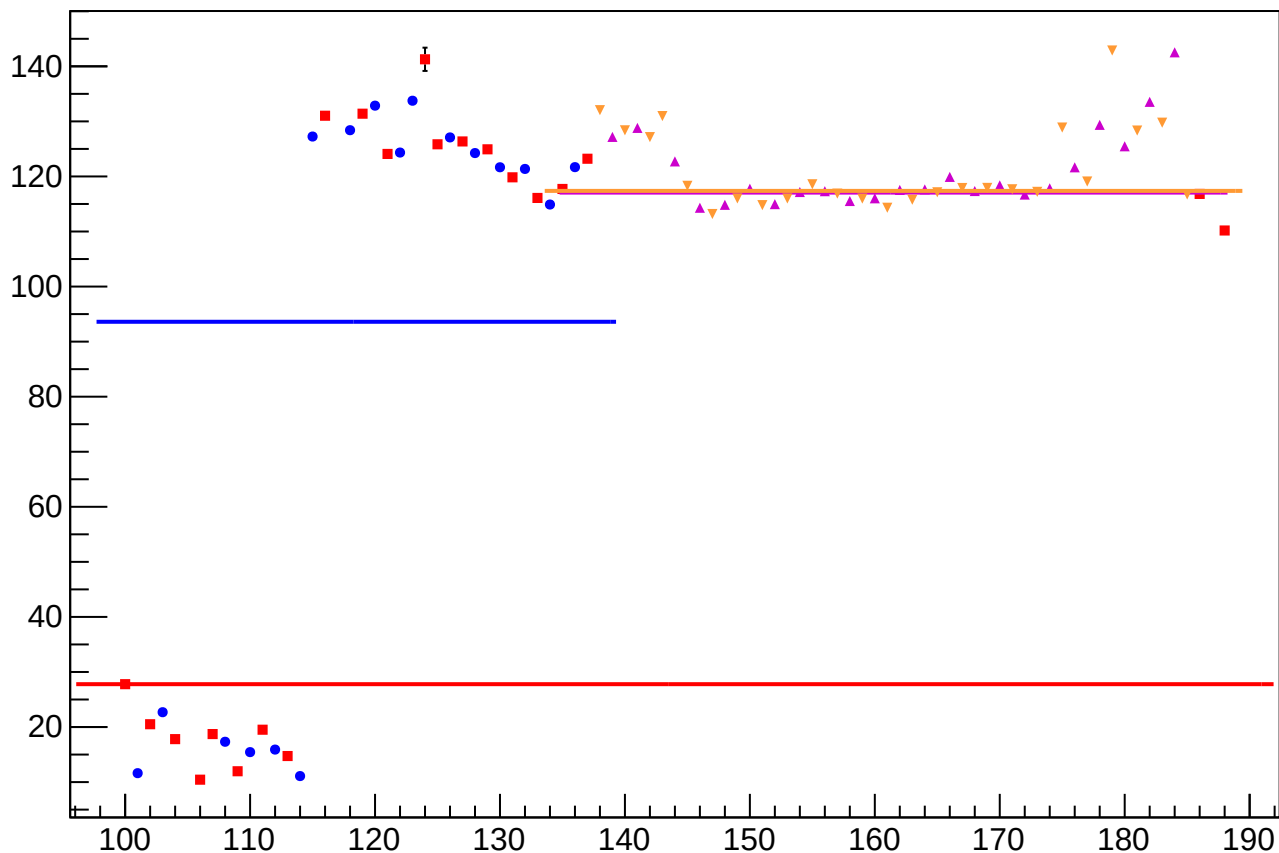
Right: 89.893+/-0.000 χ^2/NDF : 93161364.9/37

In: 32.223+/-0.003 χ^2/NDF :326597.0/39

Out: 89.893+/-0.000 χ^2/NDF :426710542.8/45

All: 89.893+/-0.000 χ^2/NDF : 707243368.6/85

dit_sam5_4eY_slope vs Slug, Sign Corrected



Right In: 93.605 $\pm$ 0.027 χ^2 /NDF: 2987877.5/16

Left Out: 117.377 $\pm$ 0.008 χ^2 /NDF: 170523.4/24

Right Out: 27.785 $\pm$ 0.000 χ^2 /NDF: 8028253.1/20

Left In: 117.066 $\pm$ 0.009 χ^2 /NDF: 63800.7/22

Left: 117.237 $\pm$ 0.006 χ^2 /NDF: 235014.1/47

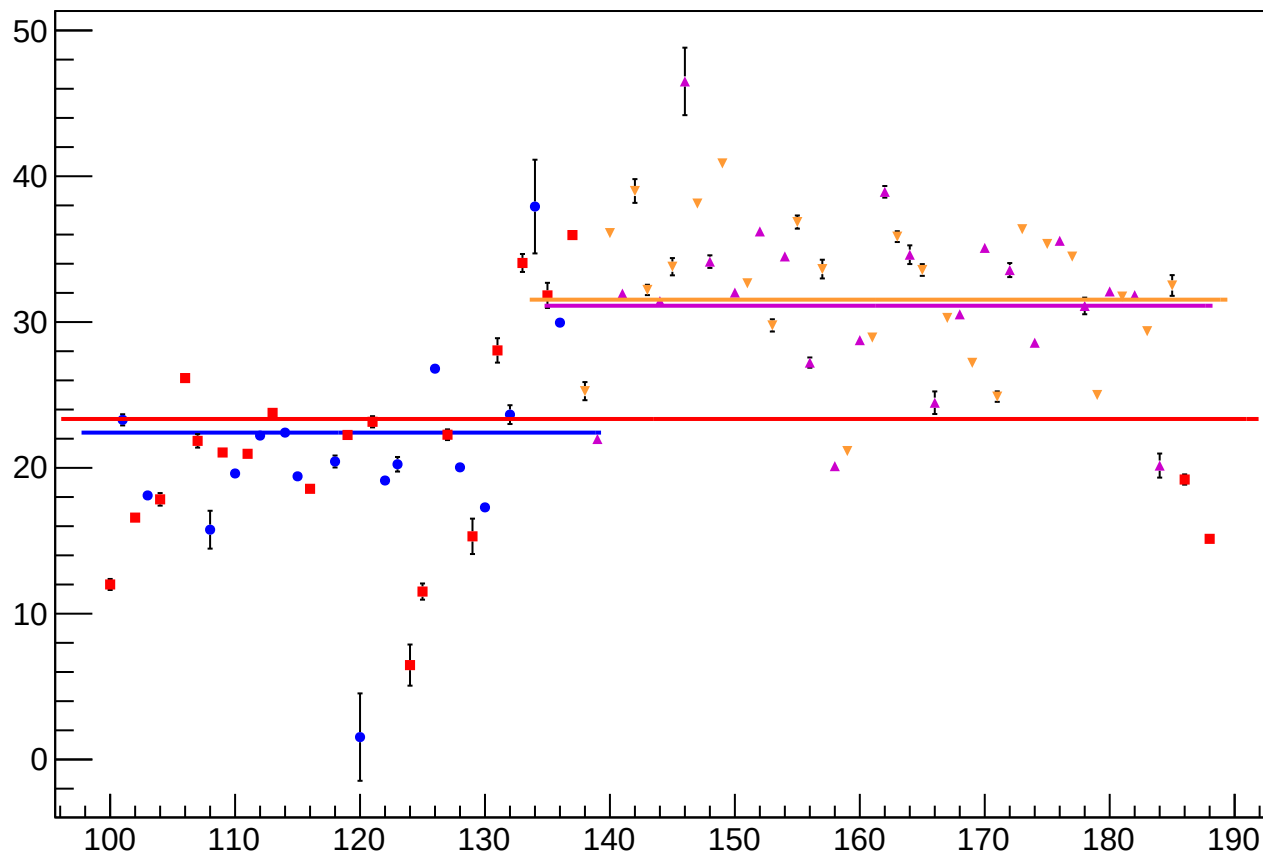
Right: 27.785 $\pm$ 0.000 χ^2 /NDF: 17003081.7/37

In: 114.816 $\pm$ 0.008 χ^2 /NDF: 3739366.0/39

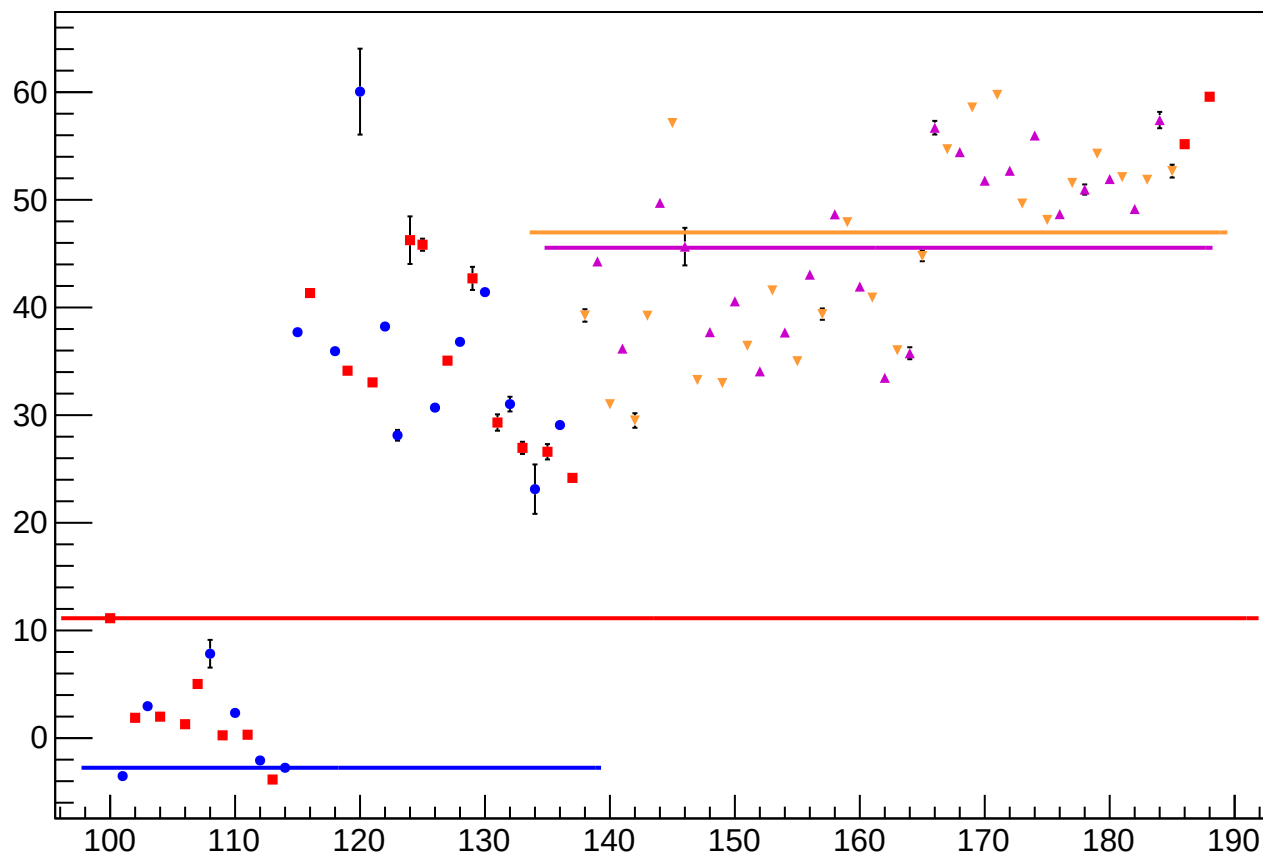
Out: 27.785 $\pm$ 0.000 χ^2 /NDF: 135814163.6/45

All: 27.785 $\pm$ 0.000 χ^2 /NDF: 248676632.5/85

dit_sam6_4aX_slope vs Slug, Sign Corrected



dit_sam6_4eX_slope vs Slug, Sign Corrected



Right In: -2.754 ± 0.000 χ^2/NDF : 149281.3/16

Left Out: 46.973 ± 0.051 χ^2/NDF : 27004.5/24

Right Out: 11.137 ± 0.000 χ^2/NDF : 2699412.7/20

Left In: 45.548 ± 0.049 χ^2/NDF : 19148.5/22

Left: 46.239 ± 0.035 χ^2/NDF : 46558.1/47

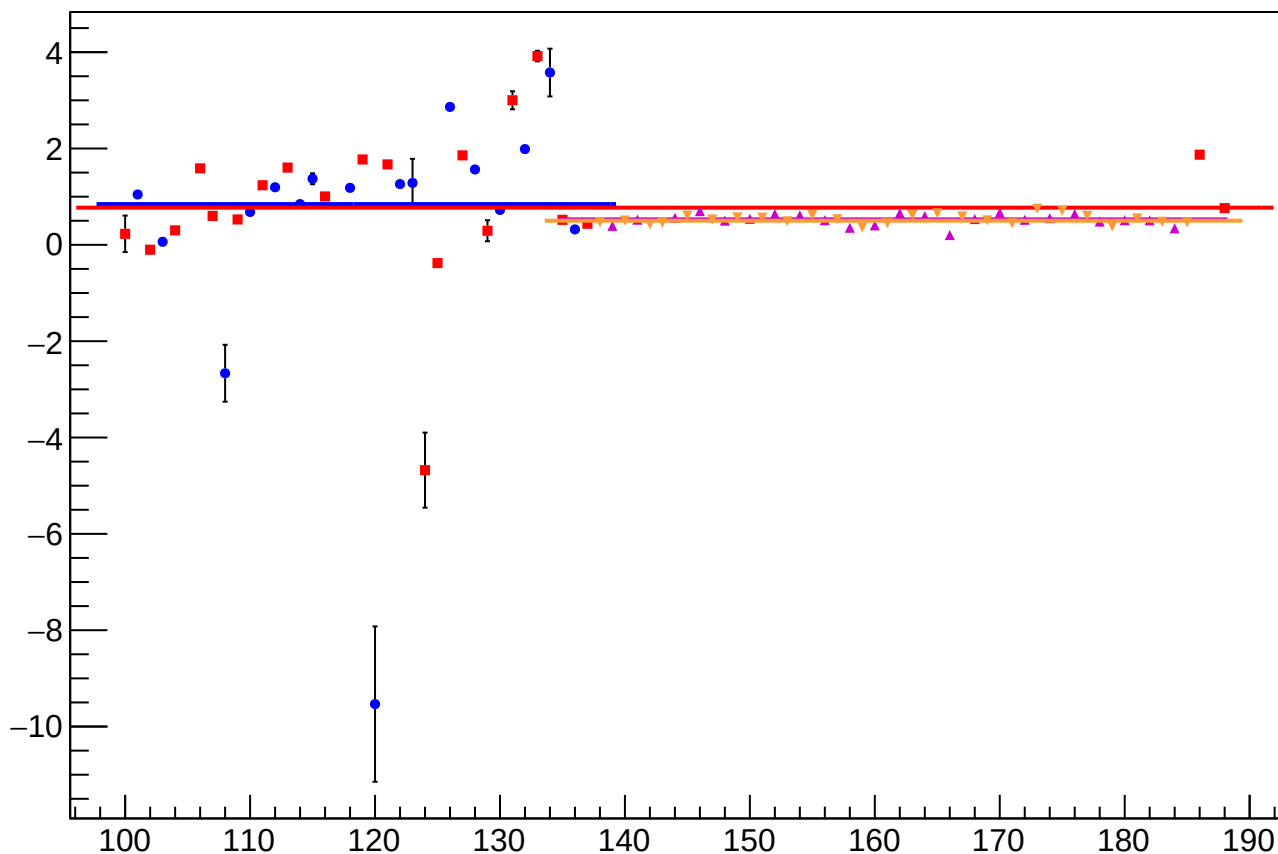
Right: -2.637 ± 0.000 χ^2/NDF : 9095226728437180

In: -2.754 ± 0.000 χ^2/NDF : 1128796.8/39

Out: 11.137 ± 0.000 χ^2/NDF : 3223118.5/45

All: -2.637 ± 0.000 χ^2/NDF : 9095226728437

dit_sam6_11X12X_slope vs Slug, Sign Corrected



Right In: 0.846 $\pm$ 0.000 χ^2 /NDF: 16305.8/16

Left Out: 0.501 $\pm$ 0.001 χ^2 /NDF:15097.1/24

Right Out: 0.772 $\pm$ 0.007 χ^2 /NDF: 4356.3/20

Left In: 0.528 $\pm$ 0.001 χ^2 /NDF:12771.0/22

Left: 0.517 $\pm$ 0.001 χ^2 /NDF: 28358.3/47

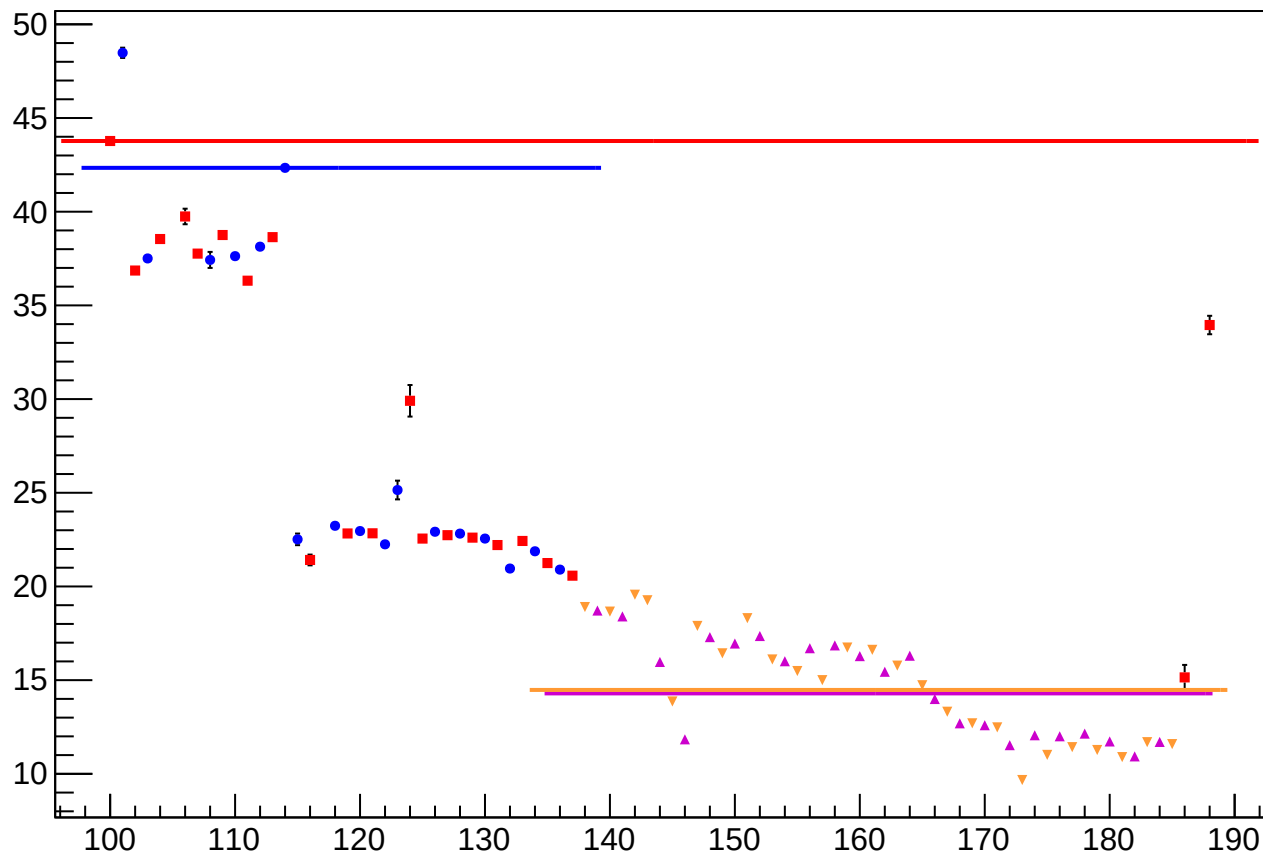
Right: 0.846 $\pm$ 0.000 χ^2 /NDF: 20779.0/37

In: 0.846 $\pm$ 0.000 χ^2 /NDF:185005.7/39

Out: 0.506 $\pm$ 0.001 χ^2 /NDF:20983.7/45

All: 0.846 $\pm$ 0.000 χ^2 /NDF: 340525.7/85

dit_sam6_4aY_slope vs Slug, Sign Corrected



Right In: 42.341+/-0.000 χ^2/NDF : 4058390.3/16

Left Out: 14.478+/-0.005 χ^2/NDF : 321212.8/24

Right Out: 43.773+/-0.000 χ^2/NDF : 4582237.8/20

Left In: 14.293+/-0.005 χ^2/NDF : 213936.0/22

Left: 14.390+/-0.004 χ^2/NDF : 535764.0/47

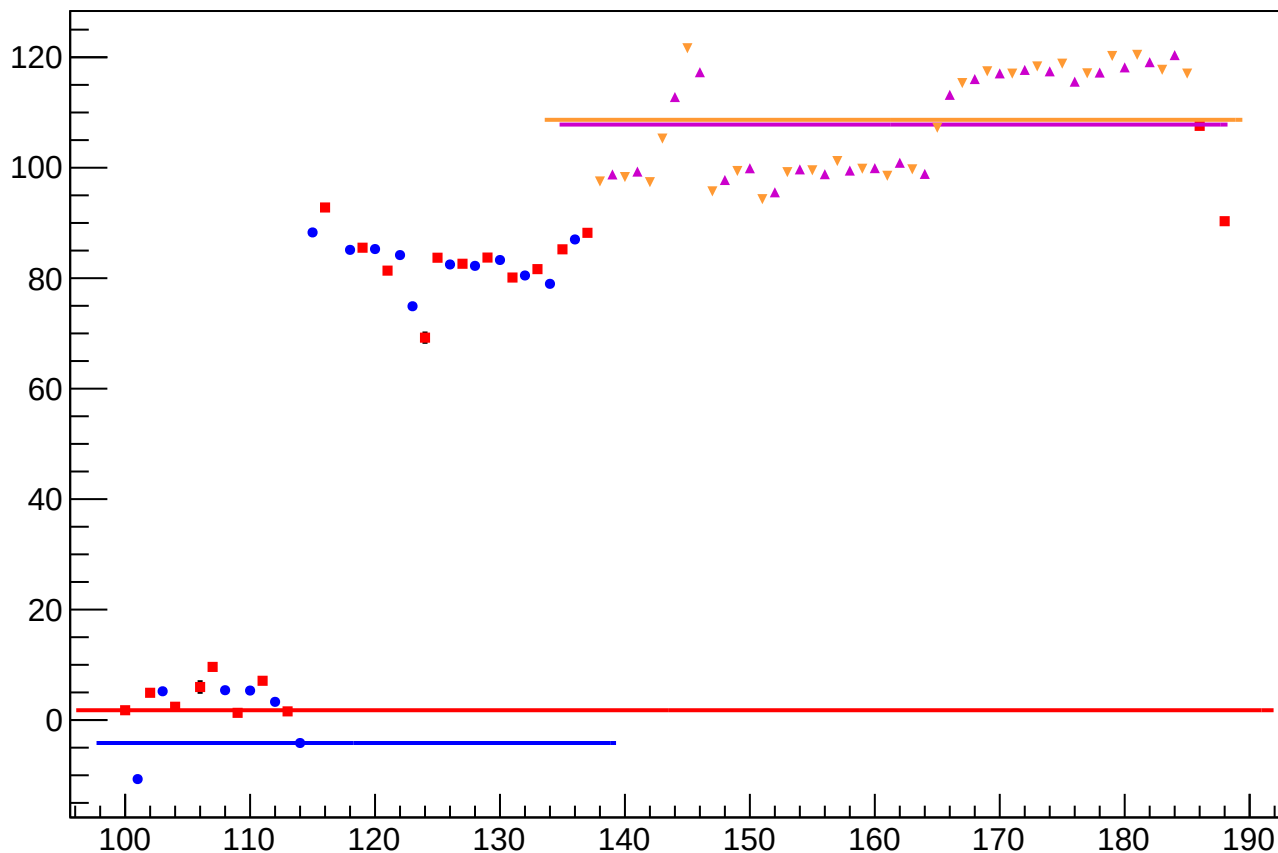
Right: 42.846+/-0.000 χ^2/NDF : 1577360390255068

In: 42.341+/-0.000 χ^2/NDF : 31125063.9/39

Out: 43.773+/-0.000 χ^2/NDF : 37380107.4/45

All: 42.846+/-0.000 χ^2/NDF : 1577360390255

dit_sam6_4eY_slope vs Slug, Sign Corrected



Right In: -4.155+/-0.000 χ^2/NDF : 8287312.9/16

Left Out: 108.675+/-0.010 χ^2/NDF :1002972.5/24

Right Out: 1.777+/-0.000 χ^2/NDF : 5454491.9/20

Left In: 107.814+/-0.010 χ^2/NDF :911439.9/22

Left: 108.243+/-0.007 χ^2/NDF : 1918414.3/47

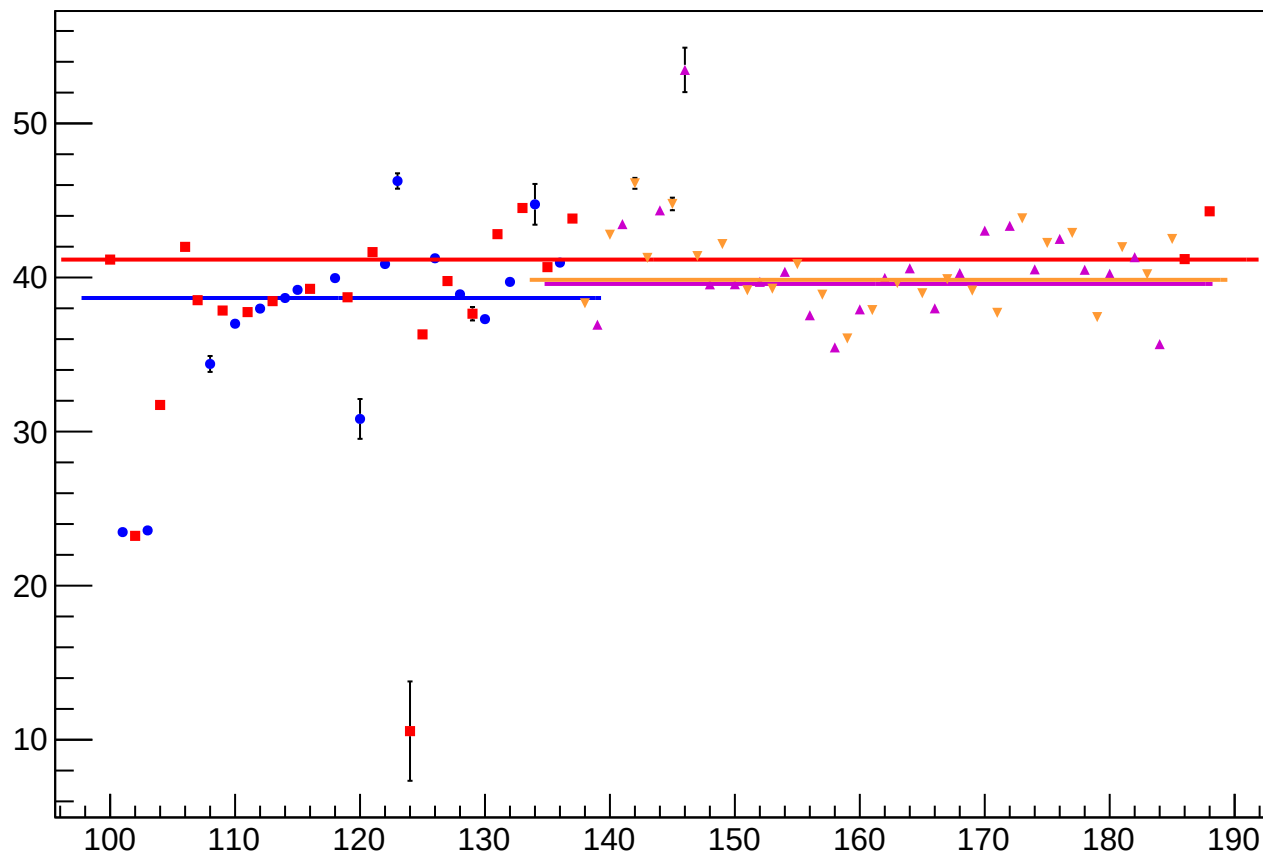
Right: 1.167+/-0.000 χ^2/NDF : 44022261179950686

In: -4.155+/-0.000 χ^2/NDF :144996871.2/39

Out: 1.777+/-0.000 χ^2/NDF :129461812.4/45

All: 1.167+/-0.000 χ^2/NDF : 44022261179950

dit_sam7_4aX_slope vs Slug, Sign Corrected



Right In: 38.669 $\pm$ 0.000 χ^2 /NDF: 59984.0/16

Left Out: 39.849 $\pm$ 0.027 χ^2 /NDF: 6986.0/24

Right Out: 41.163 $\pm$ 0.000 χ^2 /NDF: 38731.6/20

Left In: 39.582 $\pm$ 0.023 χ^2 /NDF: 9138.0/22

Left: 39.693 $\pm$ 0.018 χ^2 /NDF: 16180.6/47

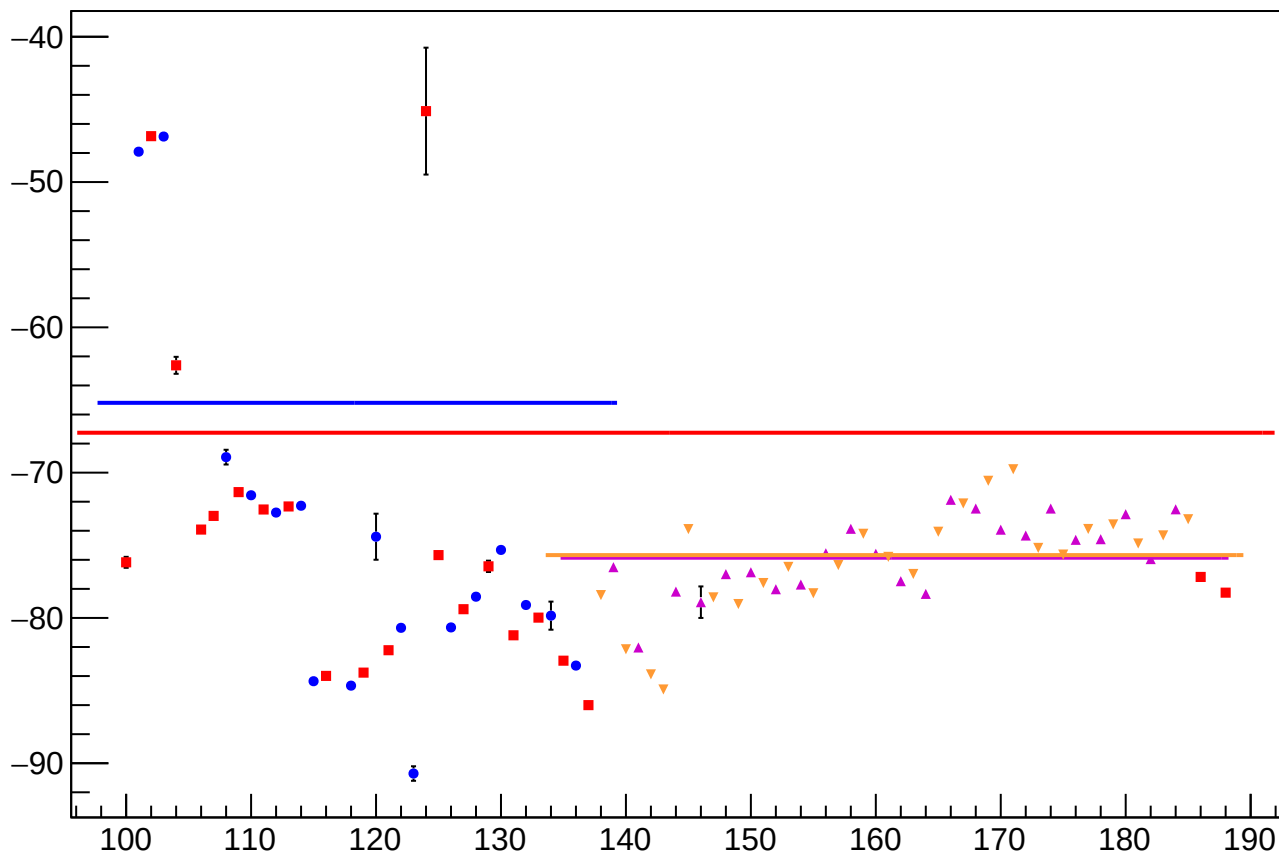
Right: 39.550 $\pm$ 0.000 χ^2 /NDF: 4780640080062069

In: 38.669 $\pm$ 0.000 χ^2 /NDF: 70697.1/39

Out: 41.163 $\pm$ 0.000 χ^2 /NDF: 48053.1/45

All: 39.550 $\pm$ 0.000 χ^2 /NDF: 4780640080062069

dit_sam7_4eX_slope vs Slug, Sign Corrected



Right In: -65.195 $\pm$ 0.019 χ^2 /NDF: 784258.8/16

Left Out: -75.675 $\pm$ 0.022 χ^2 /NDF: 22415.8/24

Right Out: -67.253 $\pm$ 0.015 χ^2 /NDF: 829227.3/20

Left In: -75.855 $\pm$ 0.019 χ^2 /NDF: 12226.9/22

Left: -75.777 $\pm$ 0.014 χ^2 /NDF: 34681.2/47

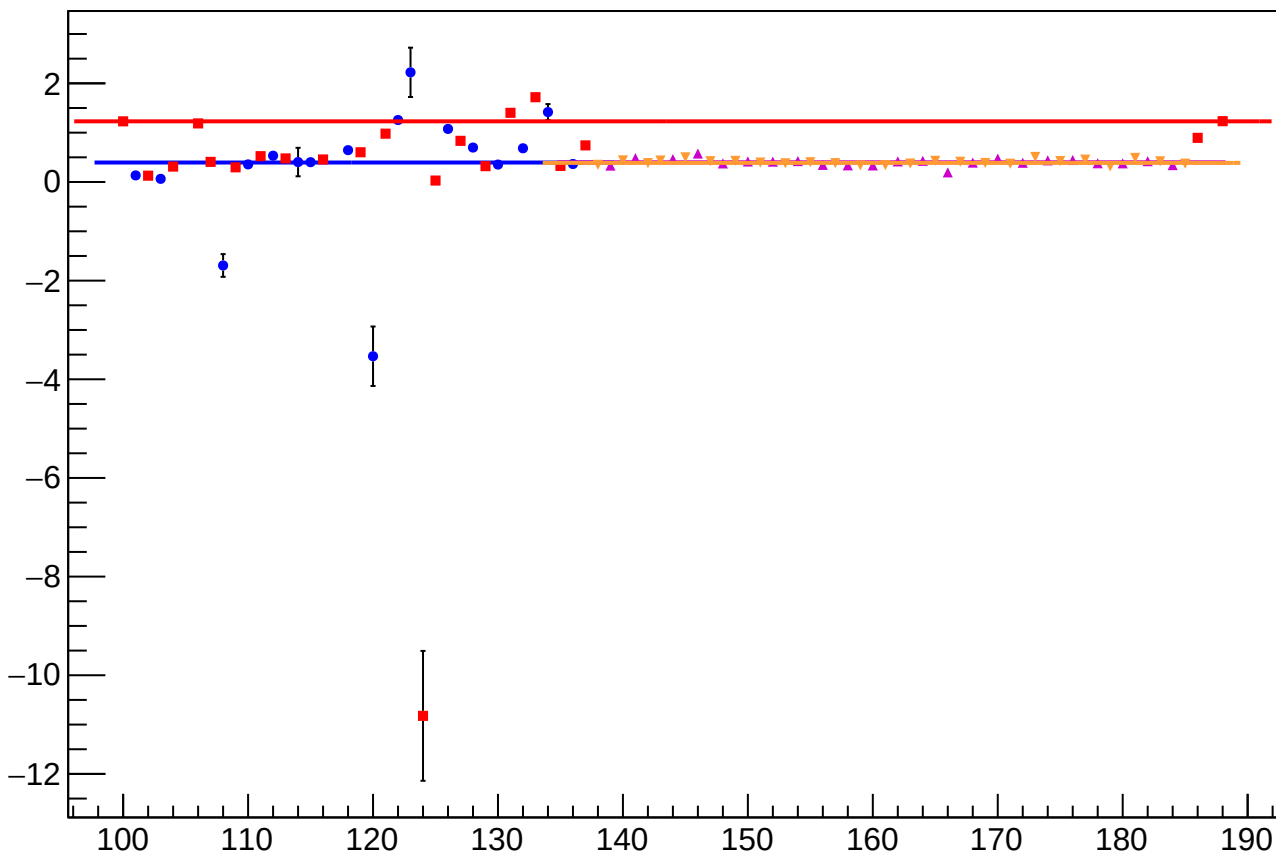
Right: -66.414 $\pm$ 0.012 χ^2 /NDF: 1620712.6/37

In: -70.383 $\pm$ 0.013 χ^2 /NDF: 955746.8/39

Out: -70.071 $\pm$ 0.013 χ^2 /NDF: 950970.6/45

All: -70.218 $\pm$ 0.009 χ^2 /NDF: 1907005.6/85

dit_sam7_11X12X_slope vs Slug, Sign Corrected



Right In: 0.395 ± 0.002 $\chi^2/\text{NDF}: 8730.5/16$

Left Out: 0.387 ± 0.000 $\chi^2/\text{NDF}: 10552.6/24$

Right Out: 1.230 ± 0.000 $\chi^2/\text{NDF}: 48976.7/20$

Left In: 0.399 ± 0.000 $\chi^2/\text{NDF}: 8983.2/22$

Left: 0.393 ± 0.000 $\chi^2/\text{NDF}: 19867.0/47$

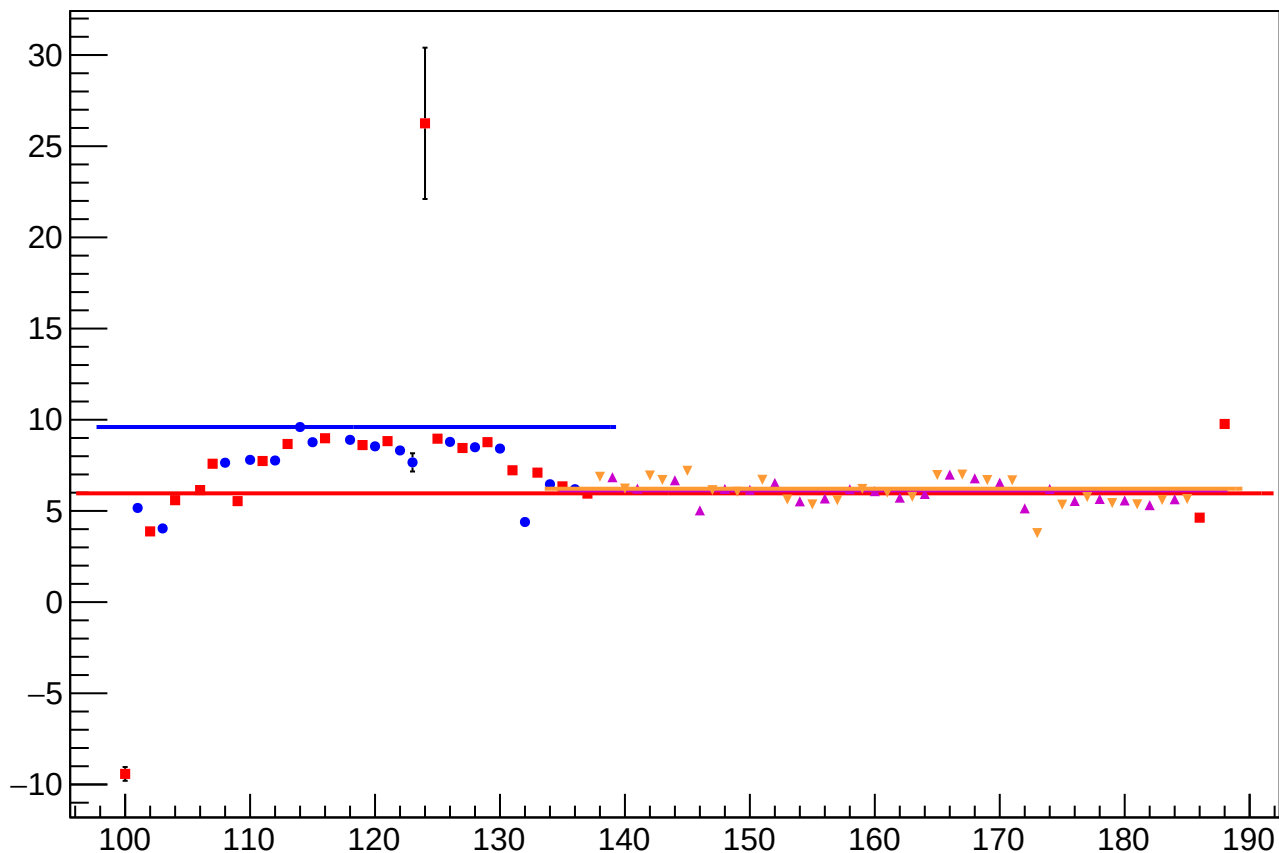
Right: 1.230 ± 0.000 $\chi^2/\text{NDF}: 231516.0/37$

In: 0.399 ± 0.000 $\chi^2/\text{NDF}: 17718.9/39$

Out: 1.230 ± 0.000 $\chi^2/\text{NDF}: 3368091.3/45$

All: 1.230 ± 0.000 $\chi^2/\text{NDF}: 6879217.6/85$

dit_sam7_4aY_slope vs Slug, Sign Corrected



Right In: 9.601 $\pm$ 0.000 χ^2 /NDF: 377404.1/16

Left Out: 6.218 $\pm$ 0.002 χ^2 /NDF:117624.5/24

Right Out: 5.964 $\pm$ 0.000 χ^2 /NDF: 210287.2/20

Left In: 6.128 $\pm$ 0.002 χ^2 /NDF:56126.9/22

Left: 6.173 $\pm$ 0.001 χ^2 /NDF: 175537.3/47

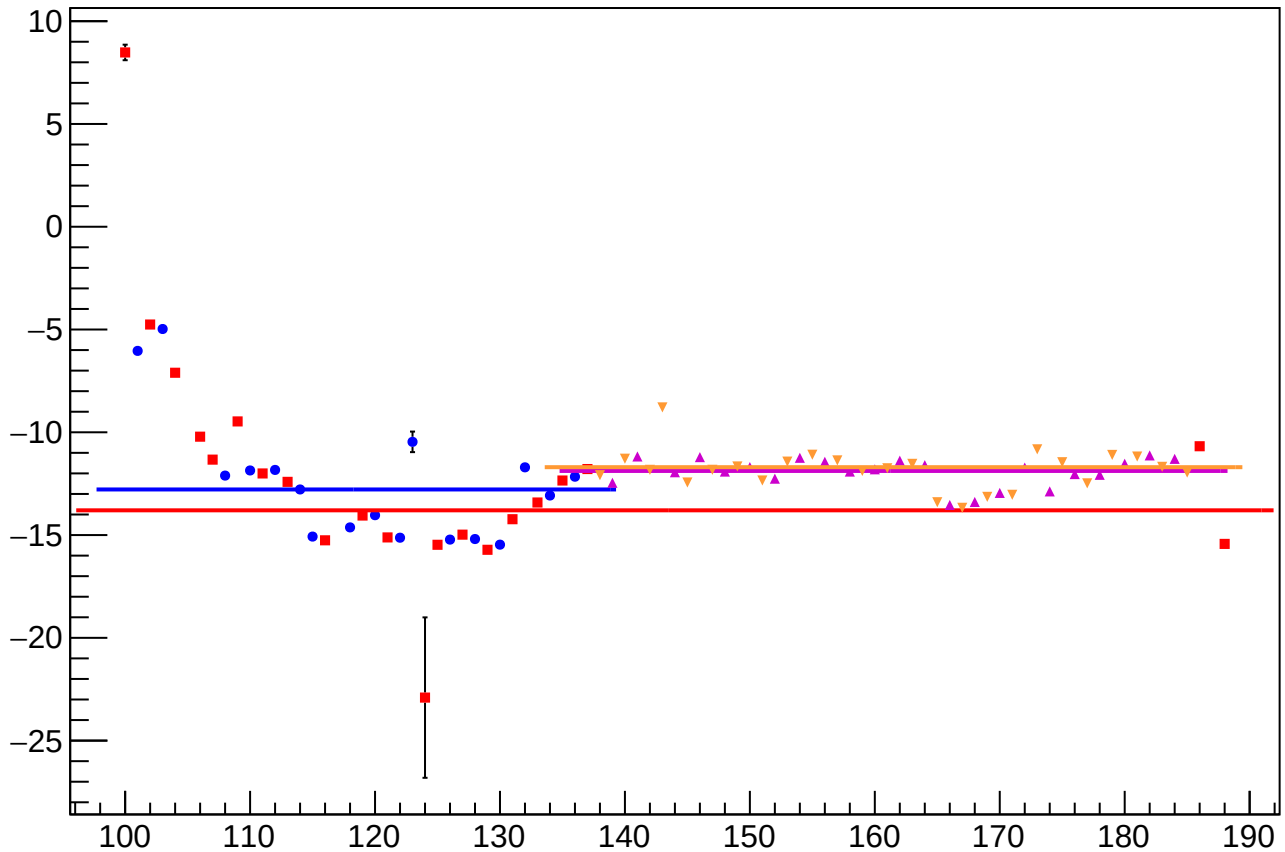
Right: 9.601 $\pm$ 0.000 χ^2 /NDF: 80255166.1/37

In: 9.601 $\pm$ 0.000 χ^2 /NDF:5748492.1/39

Out: 5.981 $\pm$ 0.000 χ^2 /NDF:354000.4/45

All: 9.601 $\pm$ 0.000 χ^2 /NDF: 90689402.5/85

dit_sam7_4eY_slope vs Slug, Sign Corrected



Right In: -12.781 ± 0.000 χ^2/NDF : 122716.4/16

Left Out: -11.698 ± 0.002 χ^2/NDF : 313736.8/24

Right Out: -13.796 ± 0.005 χ^2/NDF : 80212.9/20

Left In: -11.880 ± 0.002 χ^2/NDF : 66782.1/22

Left: -11.789 ± 0.001 χ^2/NDF : 384324.3/47

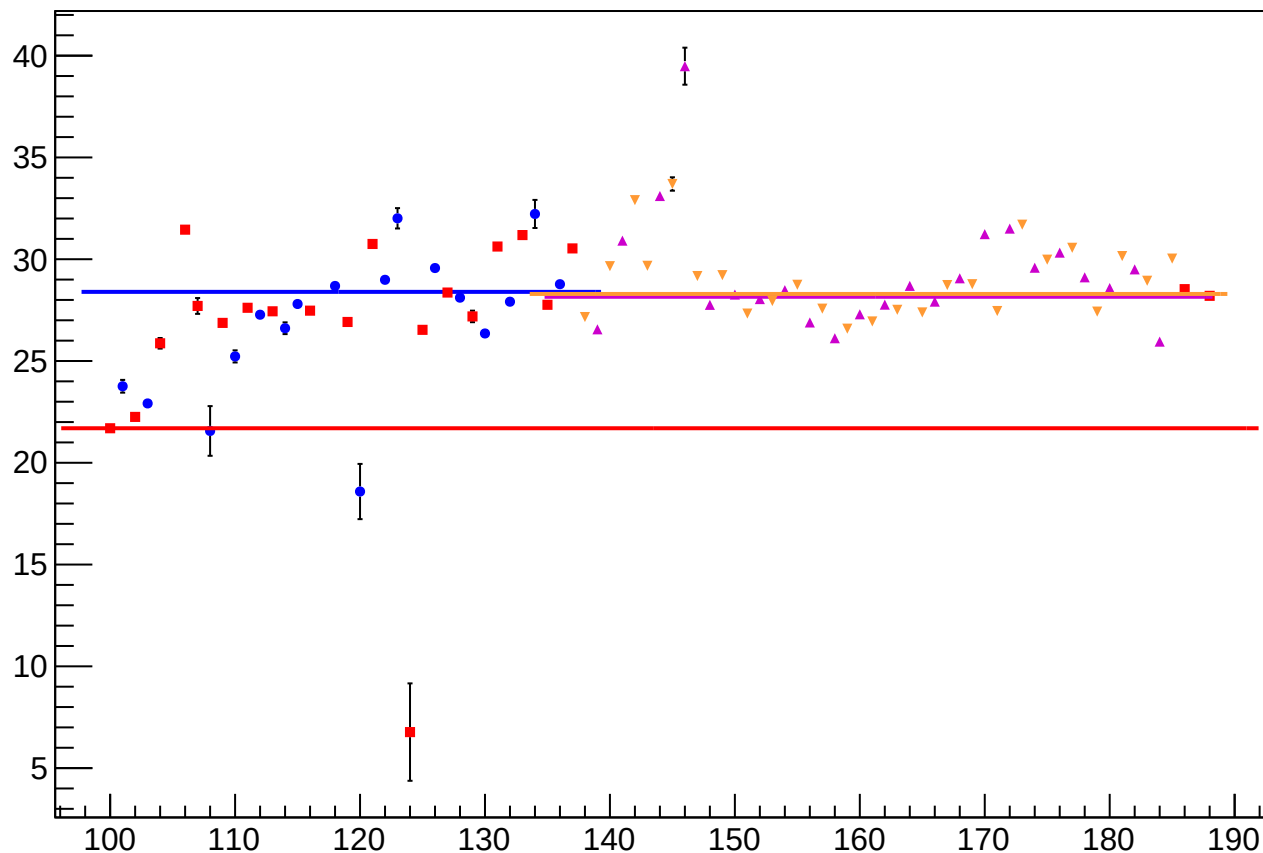
Right: -12.781 ± 0.000 χ^2/NDF : 239061.1/37

In: -12.781 ± 0.000 χ^2/NDF : 373918.6/39

Out: -11.976 ± 0.002 χ^2/NDF : 527933.2/45

All: -12.781 ± 0.000 χ^2/NDF : 1073419.9/85

dit_sam8_4aX_slope vs Slug, Sign Corrected



Right In: 28.396 $\pm$ 0.024 χ^2 /NDF: 3440.8/16

Left Out: 28.294 $\pm$ 0.018 χ^2 /NDF: 6787.0/24

Right Out: 21.696 $\pm$ 0.000 χ^2 /NDF: 55165.9/20

Left In: 28.156 $\pm$ 0.015 χ^2 /NDF: 9251.0/22

Left: 28.212 $\pm$ 0.011 χ^2 /NDF: 16074.2/47

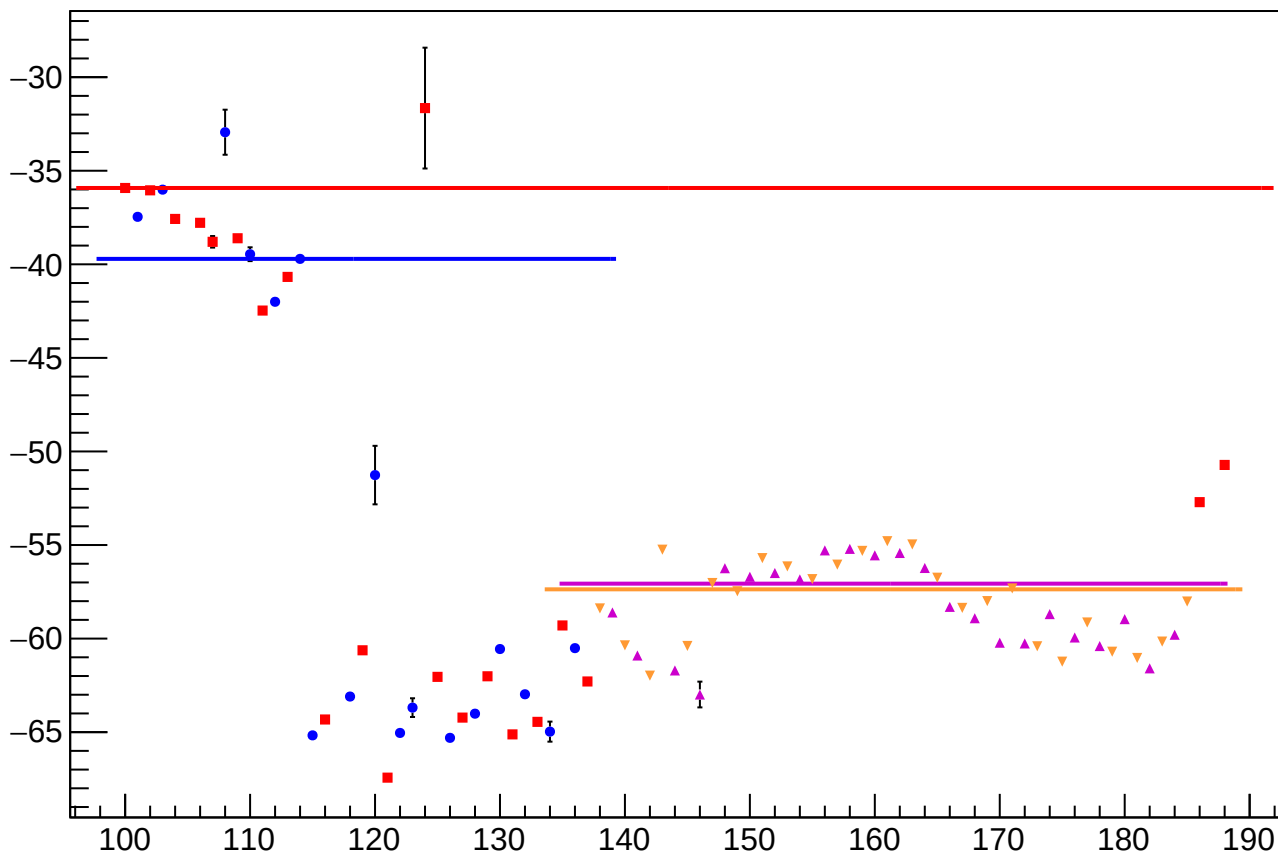
Right: 21.696 $\pm$ 0.000 χ^2 /NDF: 134221.3/37

In: 28.220 $\pm$ 0.013 χ^2 /NDF: 12763.4/39

Out: 21.696 $\pm$ 0.000 χ^2 /NDF: 201603.2/45

All: 21.696 $\pm$ 0.000 χ^2 /NDF: 482618.7/85

dit_sam8_4eX_slope vs Slug, Sign Corrected



Right In: -39.710 ± 0.000 $\chi^2/\text{NDF}: 1354716.8/16$

Left Out: -57.368 ± 0.015 $\chi^2/\text{NDF}: 22796.2/24$

Right Out: -35.921 ± 0.000 $\chi^2/\text{NDF}: 870545.9/20$

Left In: -57.064 ± 0.013 $\chi^2/\text{NDF}: 19679.5/22$

Left: -57.196 ± 0.010 $\chi^2/\text{NDF}: 42723.5/47$

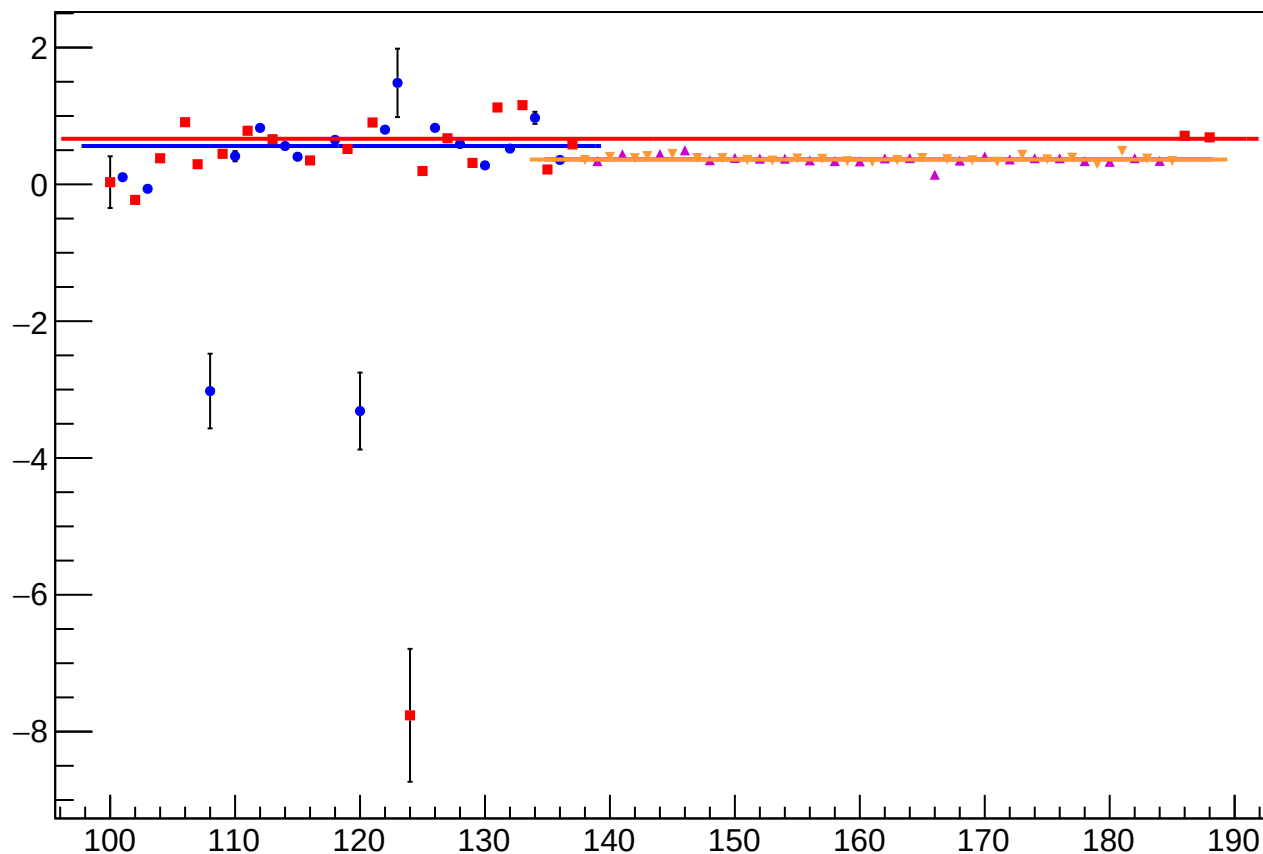
Right: -38.373 ± 0.000 $\chi^2/\text{NDF}: 110369434011630$

In: -39.710 ± 0.000 $\chi^2/\text{NDF}: 3241263.0/39$

Out: -35.921 ± 0.000 $\chi^2/\text{NDF}: 3076757.6/45$

All: -38.373 ± 0.000 $\chi^2/\text{NDF}: 110369434011$

dit_sam8_11X12X_slope vs Slug, Sign Corrected



Right In: 0.561 $\pm$ 0.000 χ^2 /NDF: 16869.2/16

Left Out: 0.363 $\pm$ 0.000 χ^2 /NDF:8024.1/24

Right Out: 0.666 $\pm$ 0.004 χ^2 /NDF: 3783.6/20

Left In: 0.365 $\pm$ 0.000 χ^2 /NDF:6174.1/22

Left: 0.364 $\pm$ 0.000 χ^2 /NDF: 14223.6/47

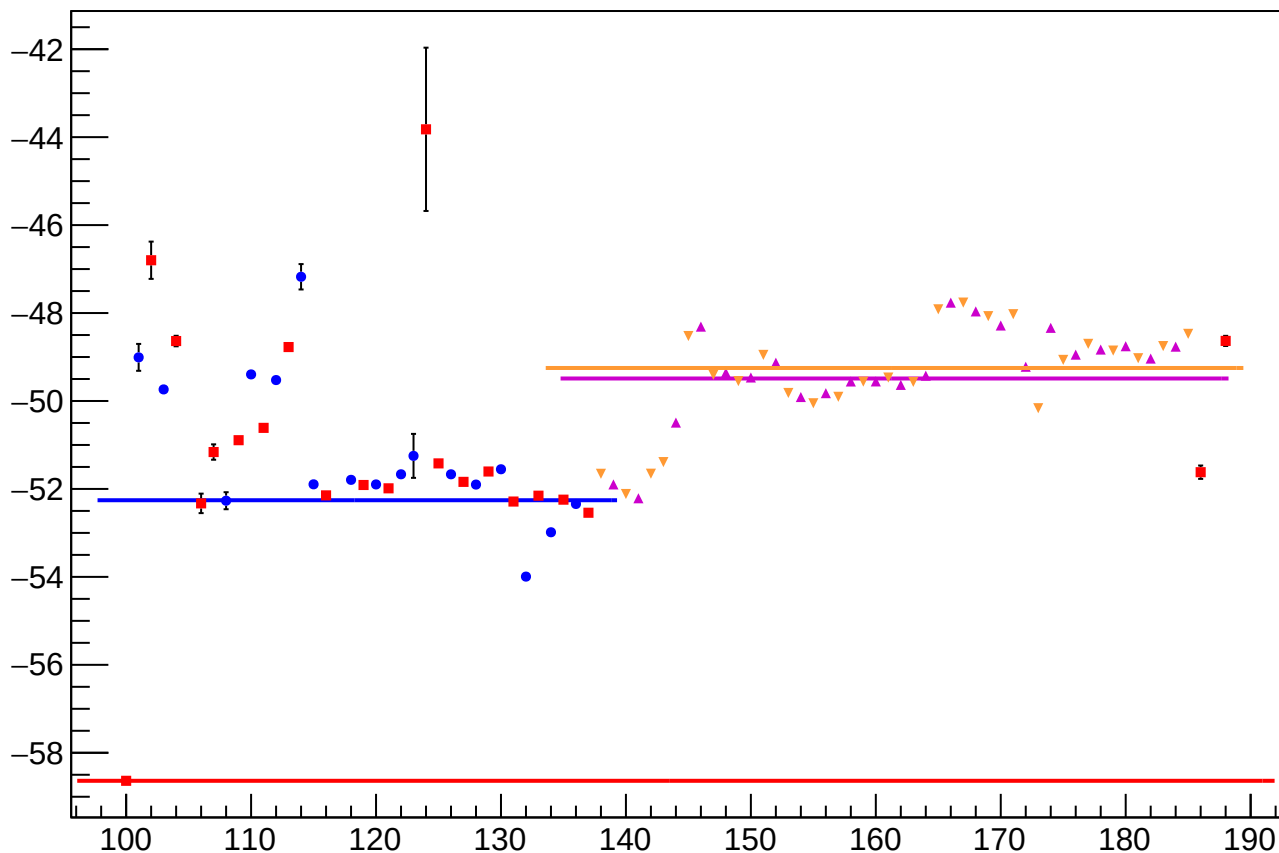
Right: 0.561 $\pm$ 0.000 χ^2 /NDF: 21211.4/37

In: 0.561 $\pm$ 0.000 χ^2 /NDF:373665.2/39

Out: 0.365 $\pm$ 0.000 χ^2 /NDF:16367.6/45

All: 0.561 $\pm$ 0.000 χ^2 /NDF: 725636.9/85

dit_sam8_4aY_slope vs Slug, Sign Corrected



Right In: -52.257 ± 0.004 χ^2/NDF : 24373.7/16

Left Out: -49.249 ± 0.001 χ^2/NDF : 493166.2/24

Right Out: -58.637 ± 0.000 χ^2/NDF : 31290417.0/20

Left In: -49.488 ± 0.001 χ^2/NDF : 431523.8/22

Left: -49.367 ± 0.001 χ^2/NDF : 939535.4/47

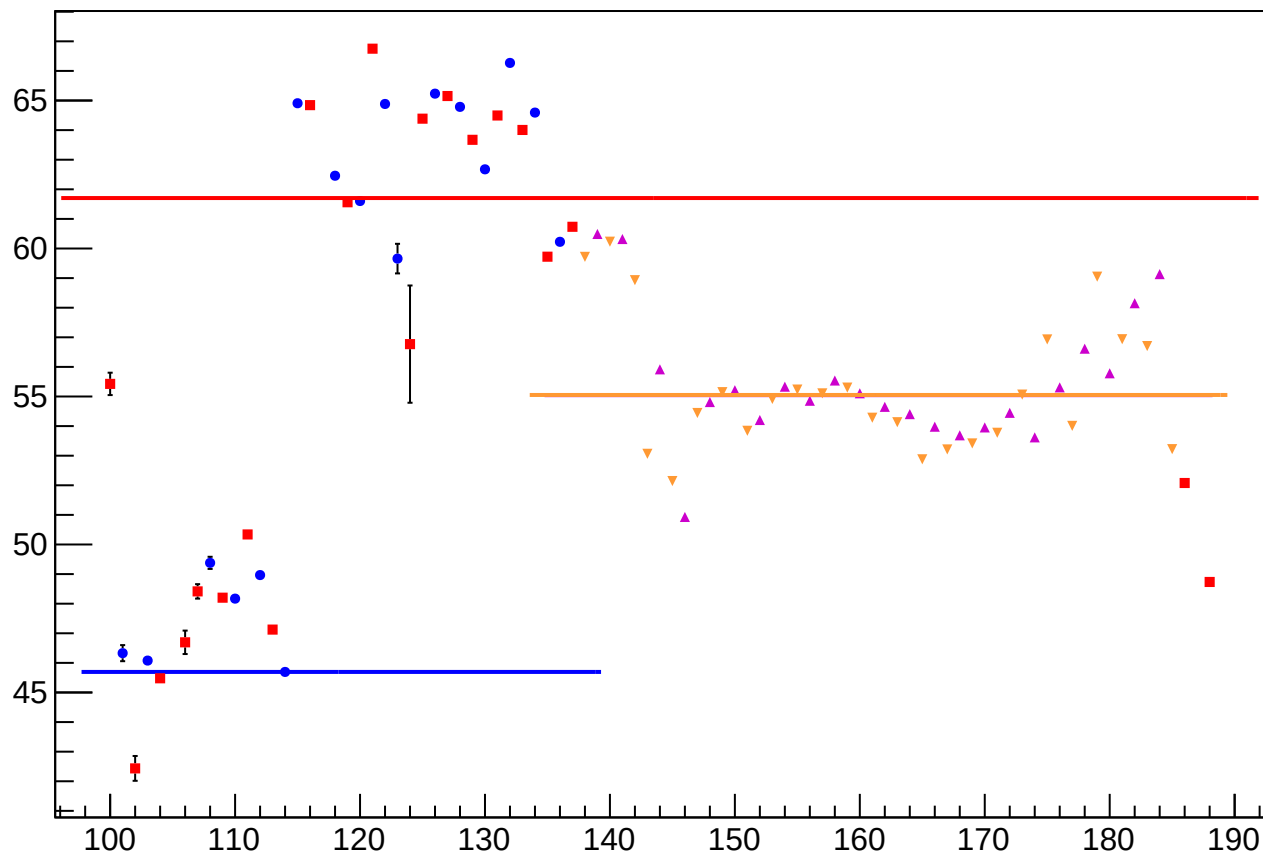
Right: -58.637 ± 0.000 χ^2/NDF : 34378787.9/37

In: -49.844 ± 0.001 χ^2/NDF : 958771.0/39

Out: -58.637 ± 0.000 χ^2/NDF : 78283195.4/45

All: -58.637 ± 0.000 χ^2/NDF : 124627695.3/8

dit_sam8_4eY_slope vs Slug, Sign Corrected



Right In: 45.694 $\pm$ 0.000 χ^2/NDF : 3571709.5/16

Left Out: 55.052 $\pm$ 0.003 χ^2/NDF : 373445.7/24

Right Out: 61.705 $\pm$ 0.006 χ^2/NDF : 277051.6/20

Left In: 55.045 $\pm$ 0.003 χ^2/NDF : 88930.1/22

Left: 55.048 $\pm$ 0.002 χ^2/NDF : 462378.3/47

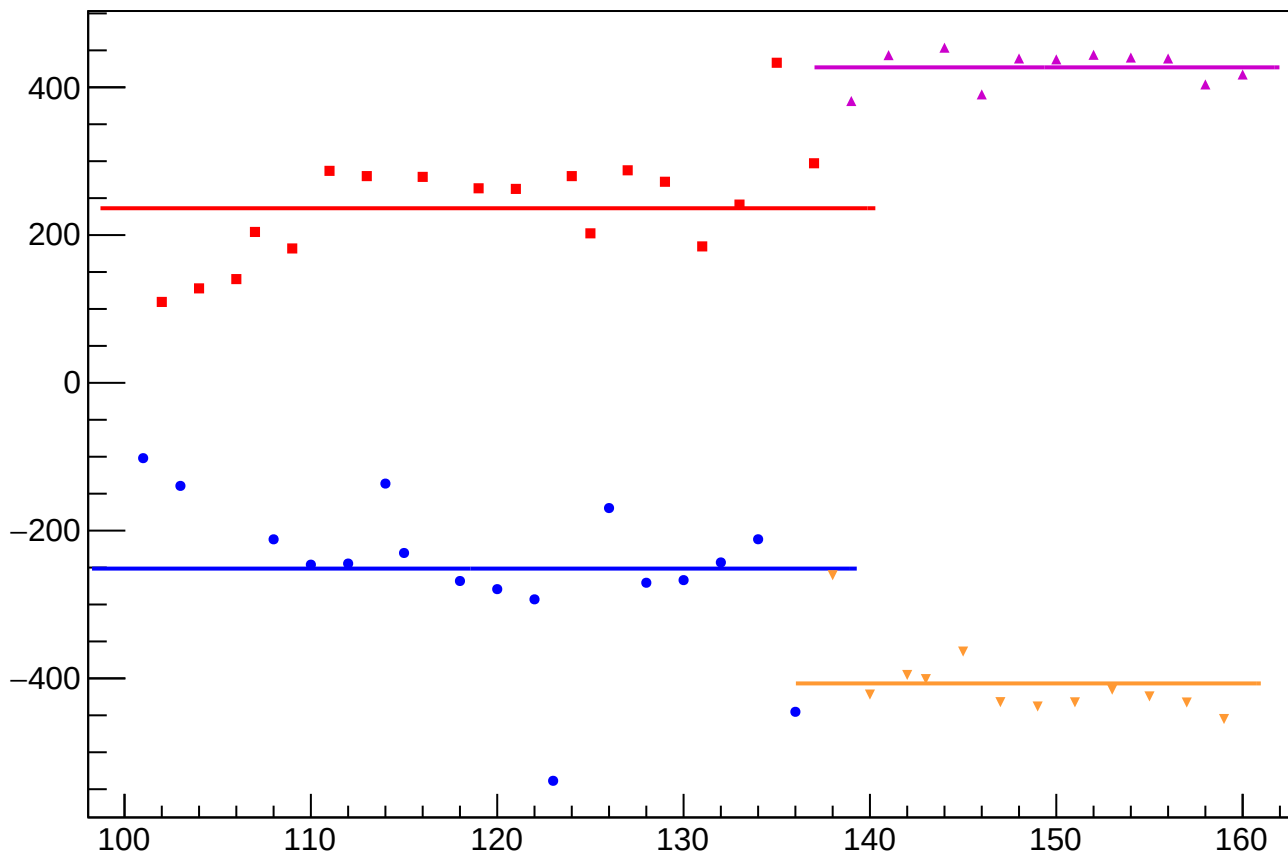
Right: 45.694 $\pm$ 0.000 χ^2/NDF : 10186580.4/37

In: 45.694 $\pm$ 0.000 χ^2/NDF : 14318806.5/39

Out: 56.334 $\pm$ 0.003 χ^2/NDF : 1533961.7/45

All: 45.694 $\pm$ 0.000 χ^2/NDF : 30374374.7/85

dit_4aX_coil1_mean vs Slug, Sign Corrected



Right In: -251.407+/-0.000

Left Out: -406.833+/-0.000

Right Out: 236.305+/-0.000

Left In: 426.999+/-0.000

χ^2/NDF : 6377716677142803615785313646231420928.0/16

χ^2/NDF : 2292767804308975563331061576326184960.0/11

χ^2/NDF : 4583669398649017152985031455186878464.0/17

χ^2/NDF : 491897519091150809282810233728532480.0/10

Left: 15.515+/-0.000 χ^2/NDF : 32290507688952396

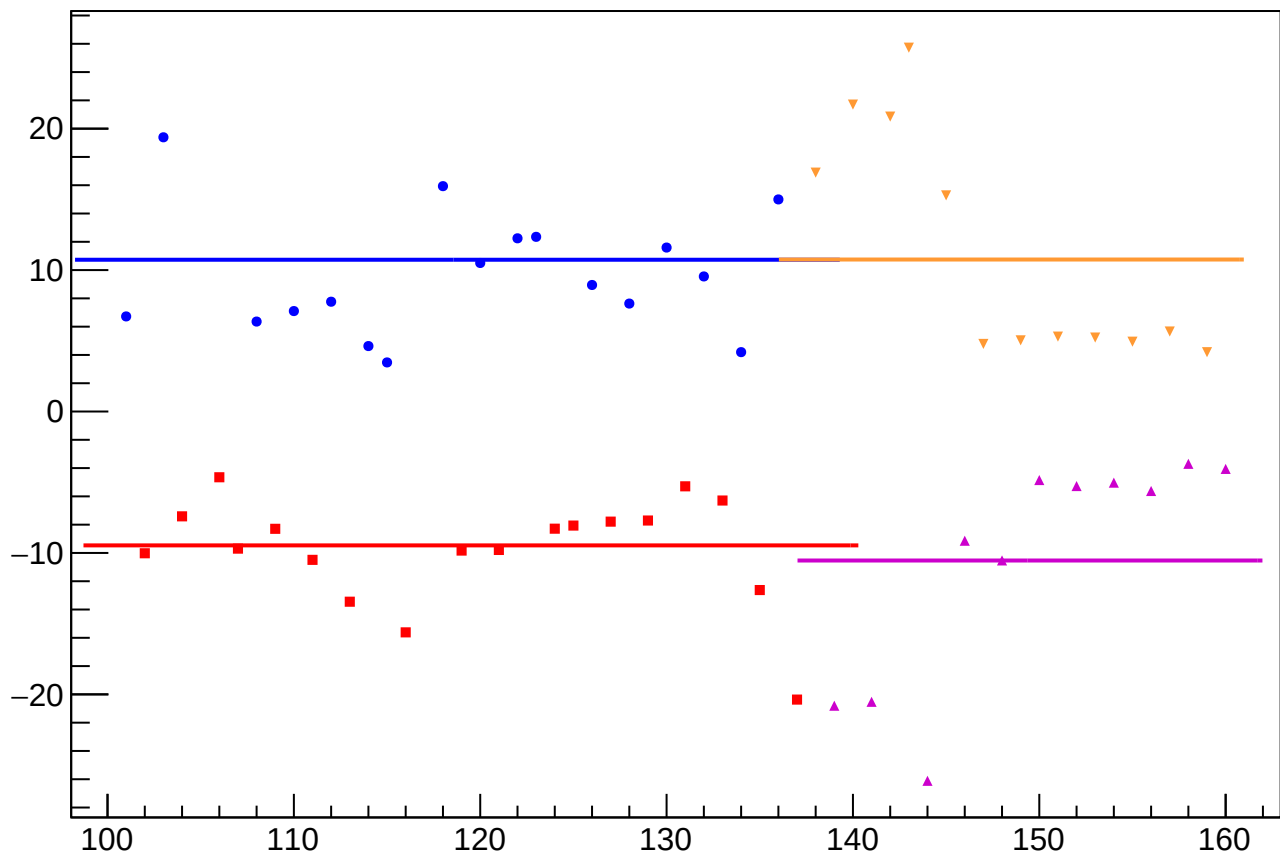
Right: -3.917+/-0.000 χ^2/NDF : 9473030910379414

In: 137.624+/-0.000 χ^2/NDF : 19003095258773893

Out: -123.678+/-0.000 χ^2/NDF : 172412613694126

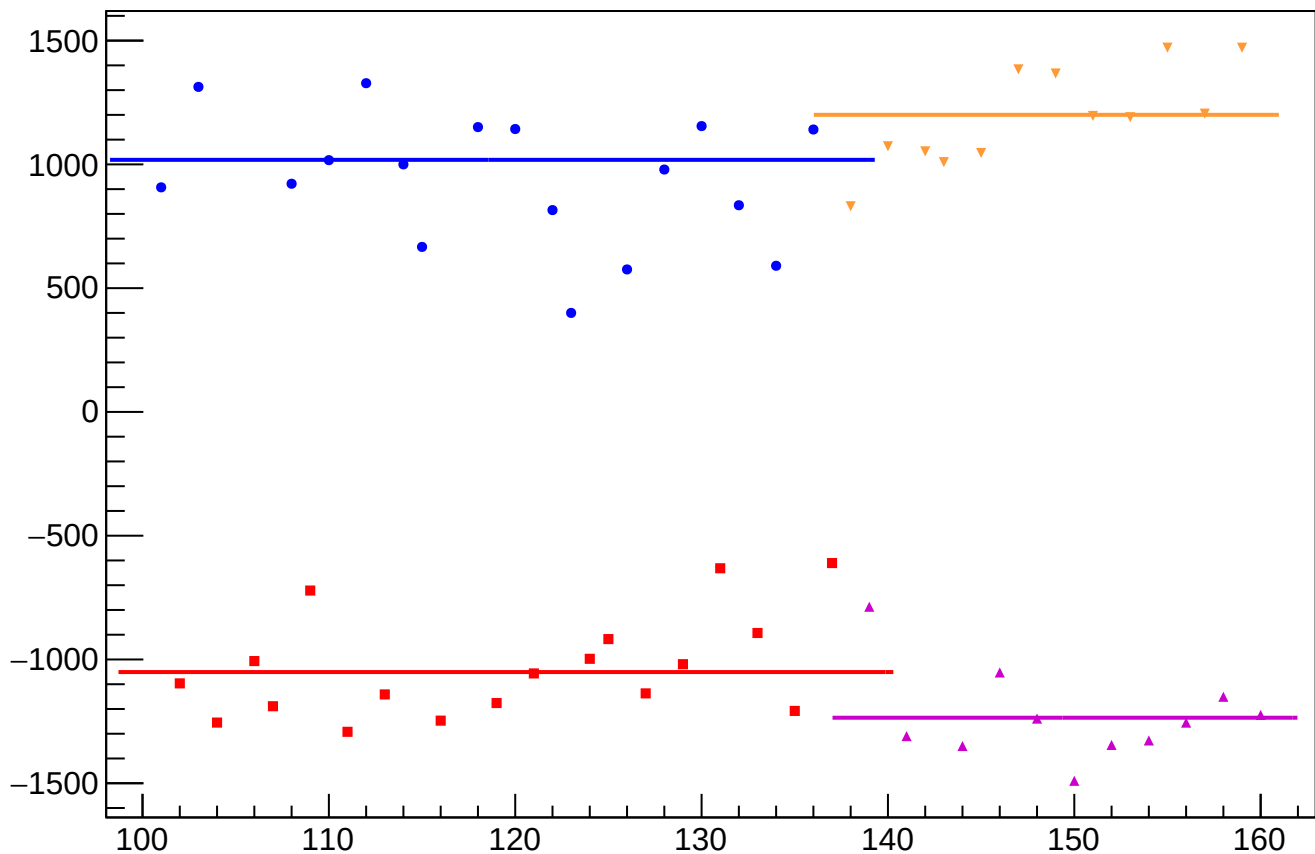
All: 7.093+/-0.000 χ^2/NDF : 41793683043915

dit_4aX_coil1_err_mean vs Slug, Sign Corrected



Right In: 10.731 $\pm$ 0.000 χ^2 /NDF: 12832156832660883988585211297267712.0/16
 Left Out: 10.747 $\pm$ 0.000 χ^2 /NDF: 52568555520200298220372681258172416.0/11
 Right Out: -9.465 $\pm$ 0.000 χ^2 /NDF: 6964289429474711338503750841008128.0/17
 Left In: -10.535 $\pm$ 0.000 χ^2 /NDF: 56030306294181725597372333160398848.0/10
 All: 0.191 $\pm$ 0.000 χ^2 /NDF: 48078445544445

dit_4aX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

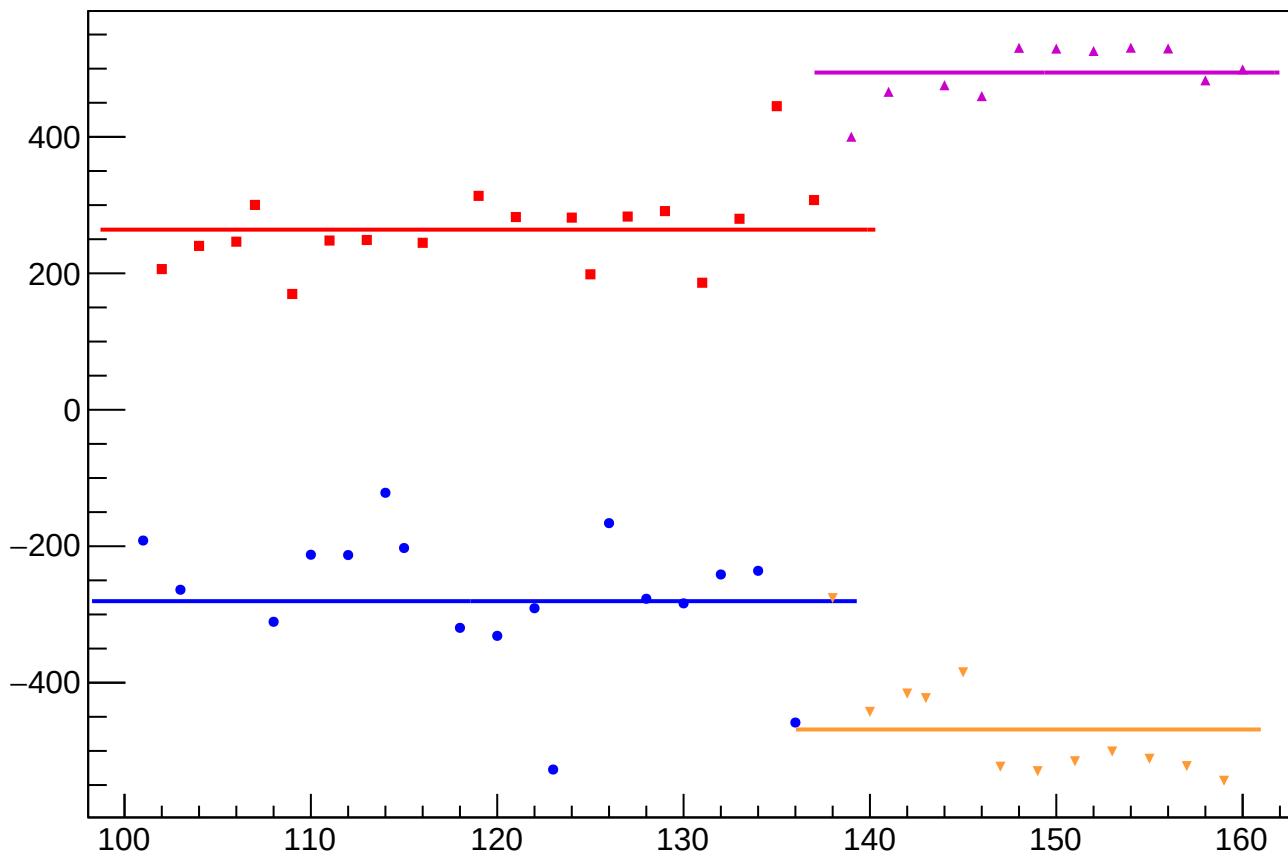
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_4eX_coil1_mean vs Slug, Sign Corrected



Right In: -280.488+/-0.000

Left Out: -468.575+/-0.000

Right Out: 264.038+/-0.000

Left In: 494.291+/-0.000

χ^2/NDF : 5126630238526976320868749941319663616.0/16

χ^2/NDF : 5376900160405137659978716094572527616.0/11

χ^2/NDF : 2950904189133891581840816046652522496.0/17

χ^2/NDF : 1453739025414967917322489885861347328.0/10

Left: 19.131+/-0.000 χ^2/NDF : 43369236595936528

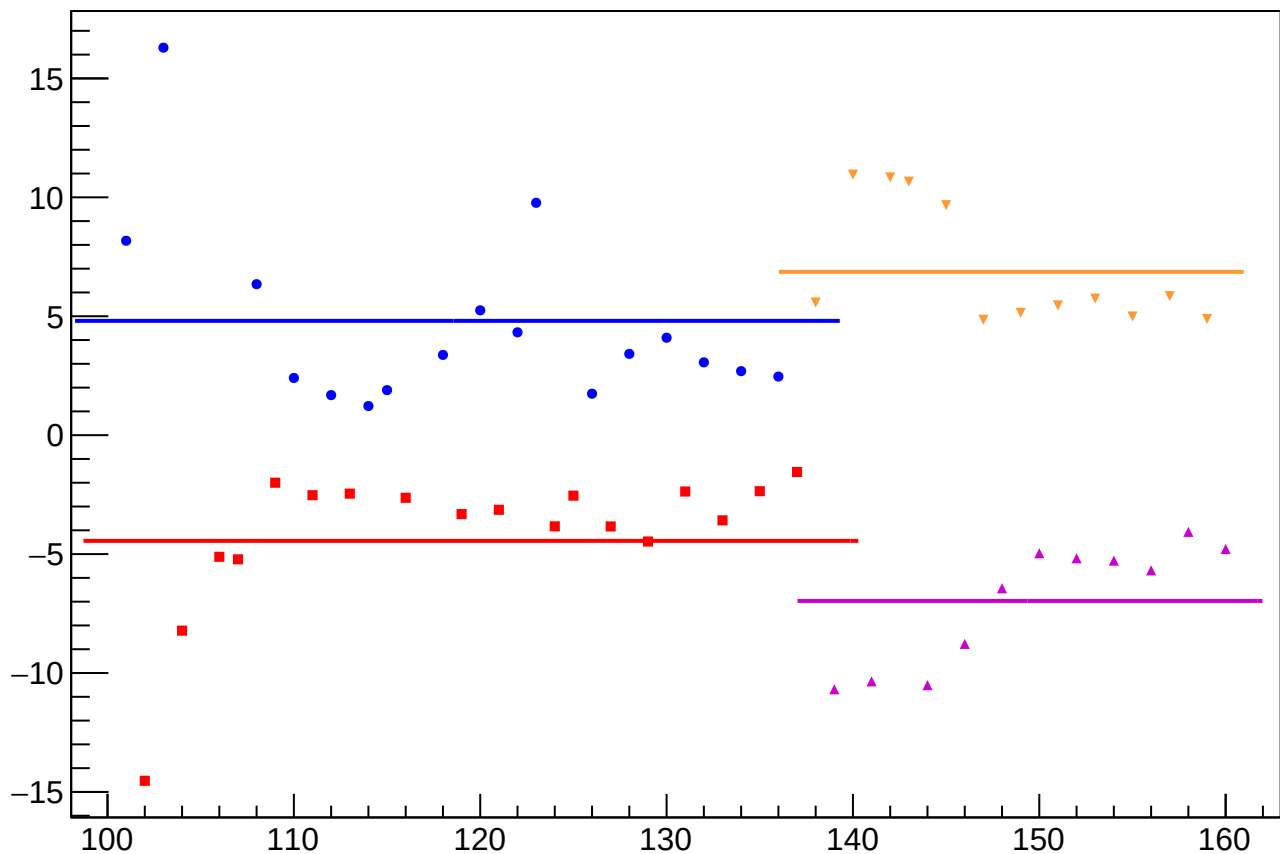
Right: -4.167+/-0.000 χ^2/NDF : 1124995033891218

In: 163.807+/-0.000 χ^2/NDF : 24547656580890999

Out: -146.027+/-0.000 χ^2/NDF : 223127037858541

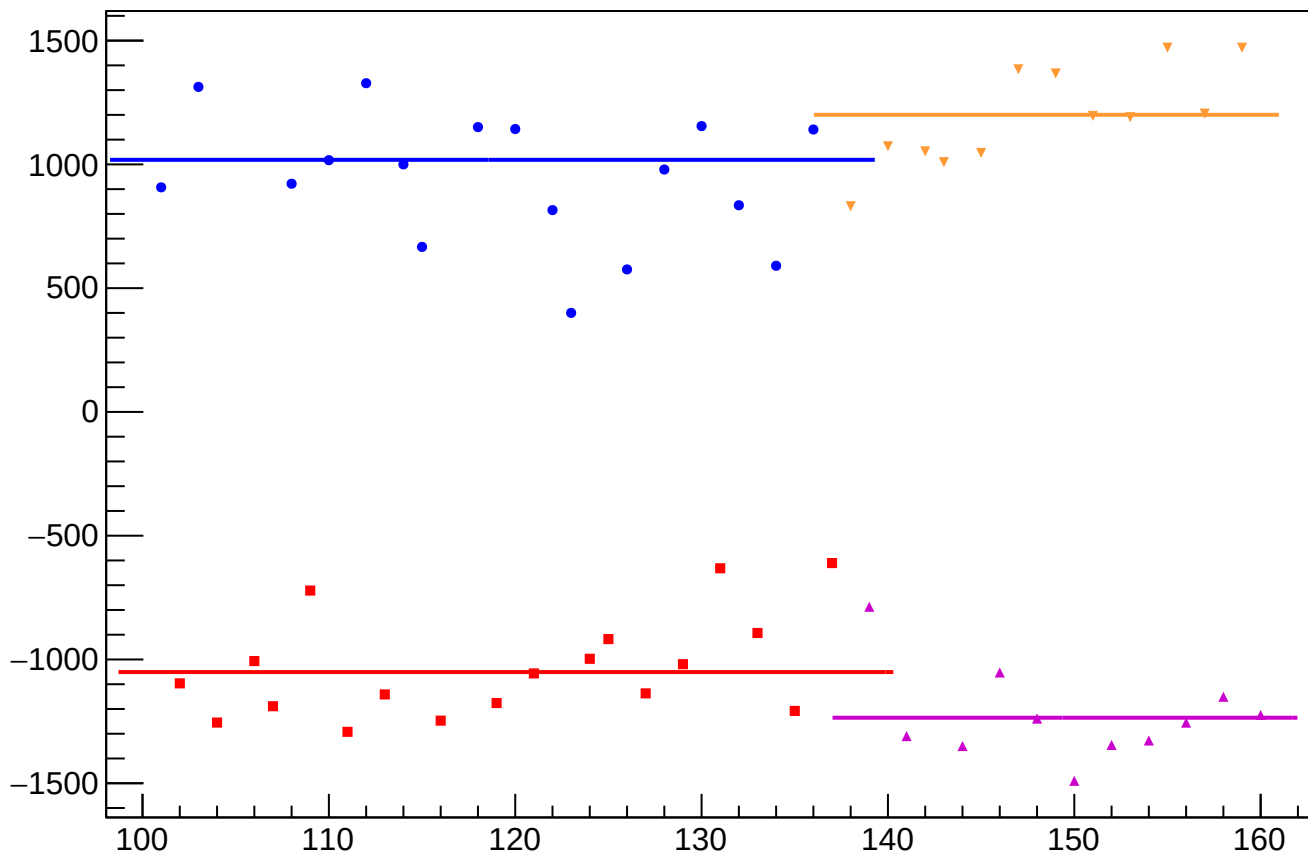
All: 9.033+/-0.000 χ^2/NDF : 54662520345172

dit_4eX_coil1_err_mean vs Slug, Sign Corrected



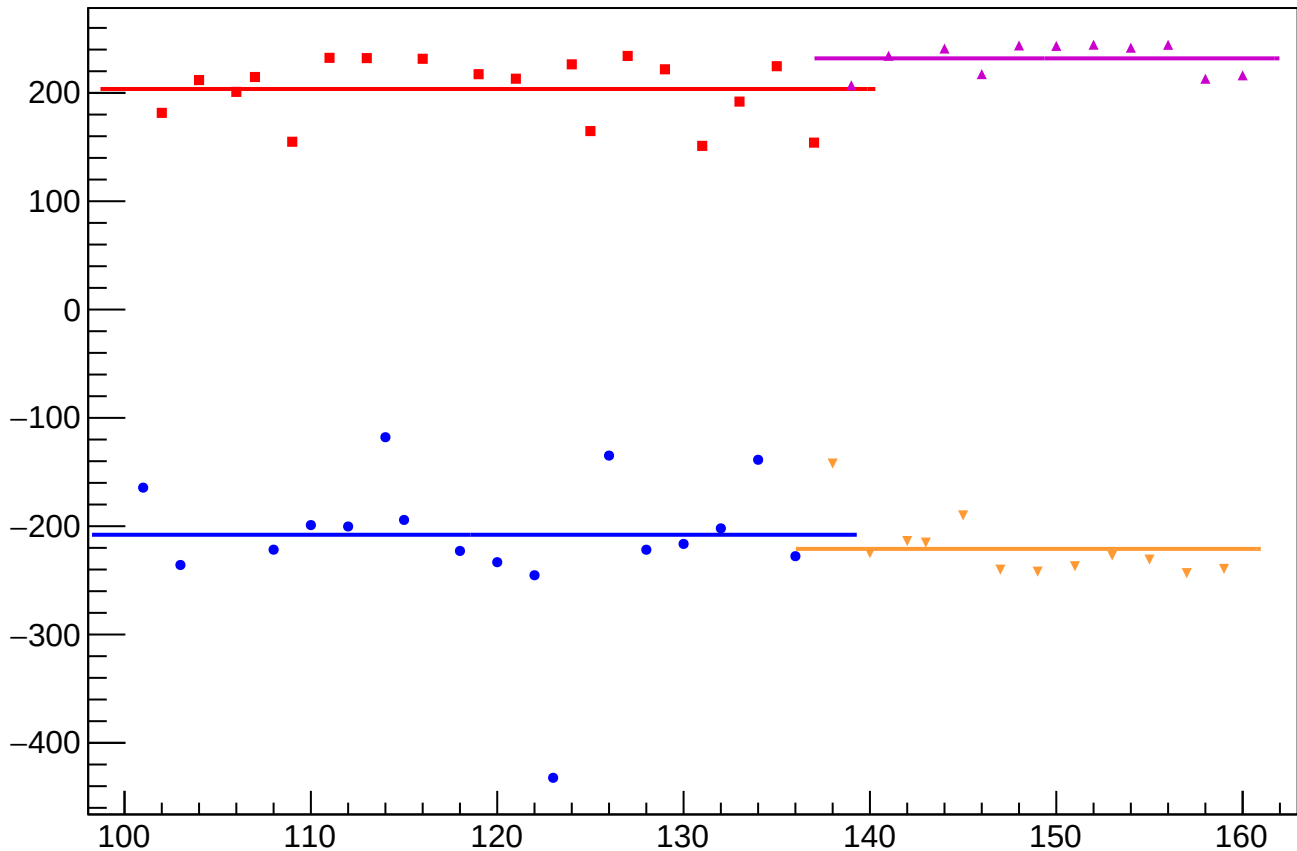
Right In: 4.806 ± 0.000 $\chi^2/\text{NDF}: 10922956451109492621931429310234624.0/16$
 Left Out: 6.866 ± 0.000 $\chi^2/\text{NDF}: 5299669563995653642636095012208640.0/11$
 Right Out: -4.443 ± 0.000 $\chi^2/\text{NDF}: 8238698902114437843582467079929856.0/17$
 Left In: -6.969 ± 0.000 $\chi^2/\text{NDF}: 5610929853594389107325212135784448.0/10$
 All: -0.032 ± 0.000 $\chi^2/\text{NDF}: 1483821465904$

dit_4eX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_11X12X_coil1_mean vs Slug, Sign Corrected



Right In: -207.905+/-0.000

Left Out: -220.938+/-0.000

Right Out: 203.621+/-0.000

Left In: 231.896+/-0.000

χ^2/NDF : 932229169633108948090208893374824448.0/16

χ^2/NDF : 725702280929192018663060859751759872.0/11

χ^2/NDF : 555366082114711816530063438779514880.0/17

χ^2/NDF : 183329680516479381507897892871864320.0/10

Left: 8.429+/-0.000 χ^2/NDF : 953222302961658426

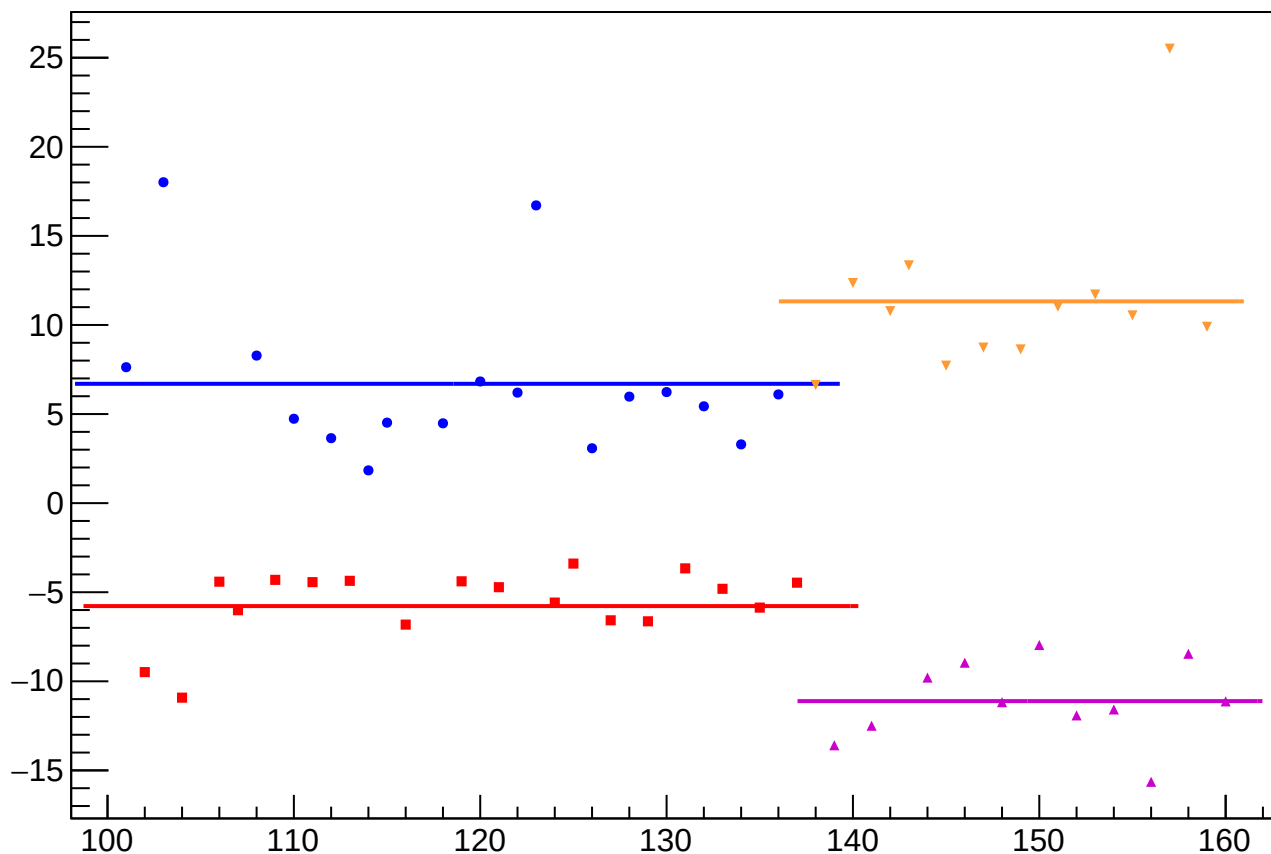
Right: 0.925+/-0.000 χ^2/NDF : 61129354546867051

In: 44.298+/-0.000 χ^2/NDF : 780934056728326017

Out: -34.017+/-0.000 χ^2/NDF : 7341842705768315

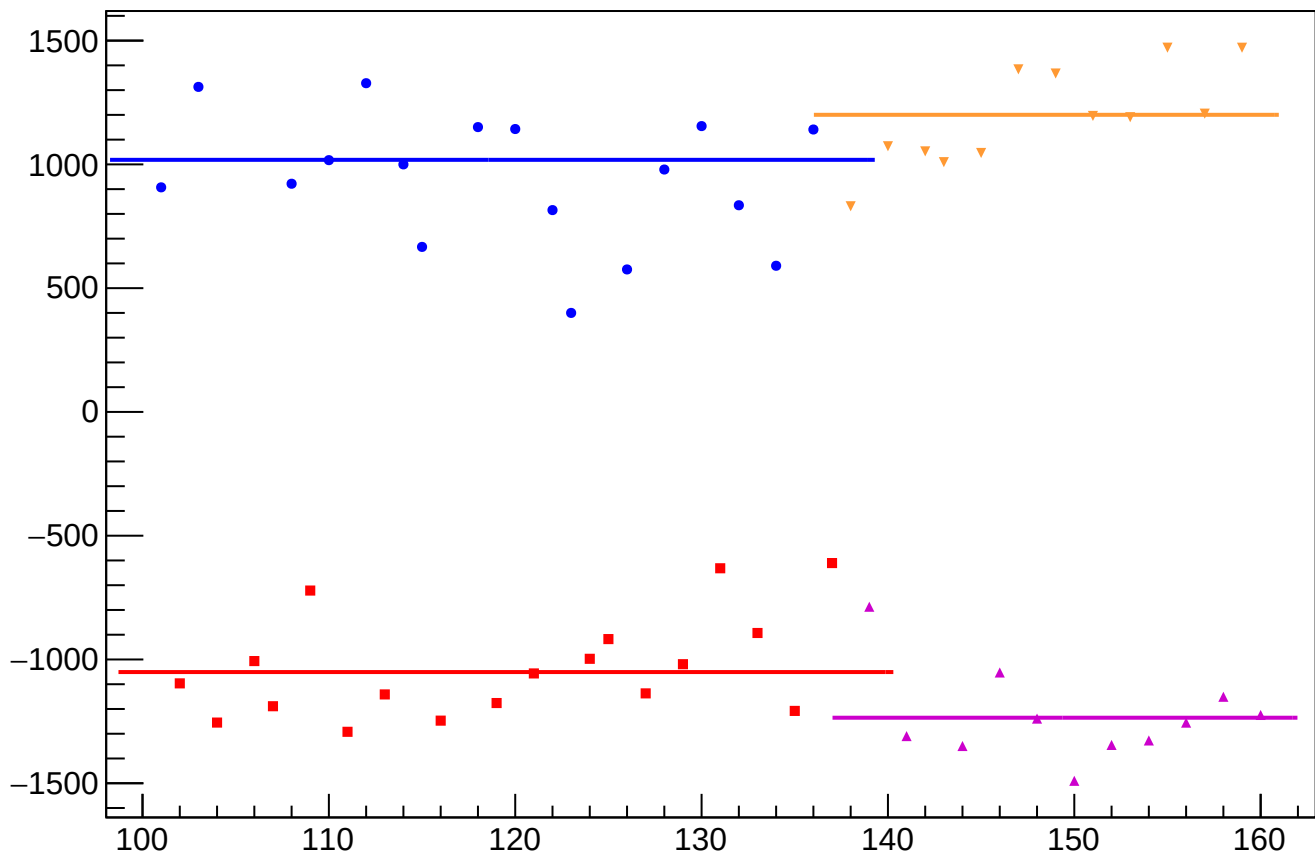
All: 5.177+/-0.000 χ^2/NDF : 15649654139583

dit_11X12X_coil1_err_mean vs Slug, Sign Corrected



Right In: 6.697 ± 0.000 $\chi^2/\text{NDF}: 10220265362684500644667484757032960.0/16$
 Left Out: 11.325 ± 0.000 $\chi^2/\text{NDF}: 19360042625652449313367034255376384.0/11$
 Right Out: -5.778 ± 0.000 $\chi^2/\text{NDF}: 3154580715579075896881670619398144.0/17$
 Left In: -11.111 ± 0.000 $\chi^2/\text{NDF}: 4392167277443947568386278164529152.0/10$
 All: 0.137 ± 0.000 $\chi^2/\text{NDF}: 32384583598296$

dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

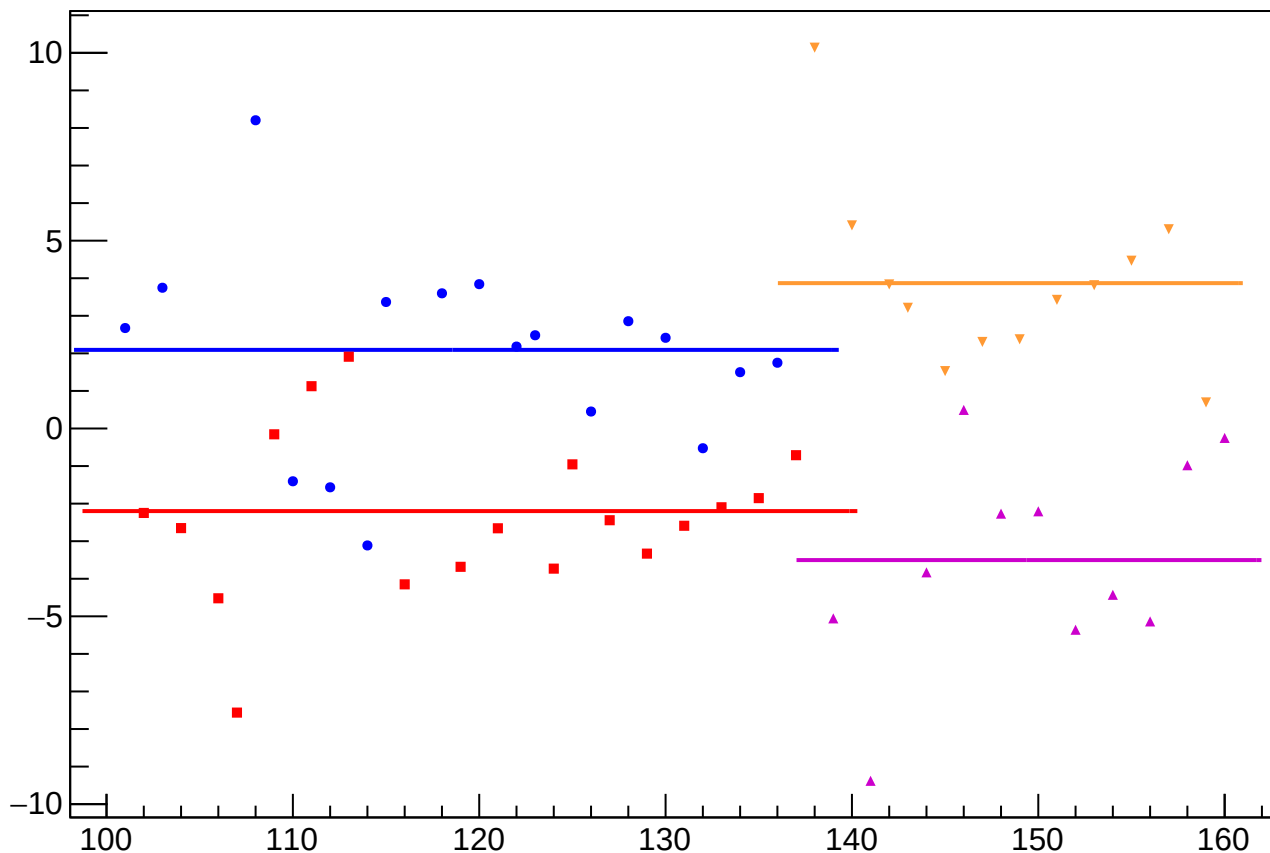
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_4aY_coil1_mean vs Slug, Sign Corrected



Right In: 2.093+/-0.000

χ^2/NDF : 3708588340032367175525218060861440.0/16

Left Out: 3.870+/-0.000

χ^2/NDF : 5096895495074779754701121480818688.0/11

Right Out: -2.199+/-0.000

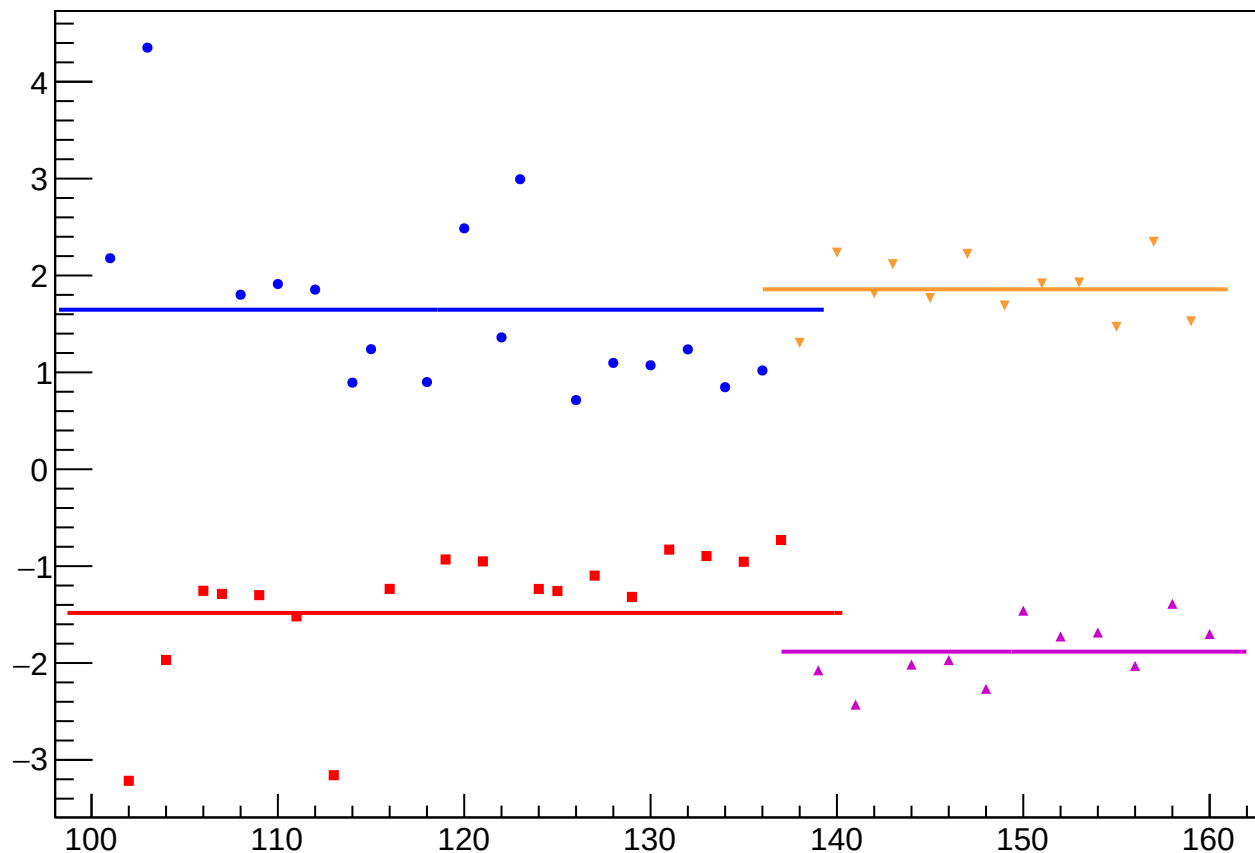
χ^2/NDF : 3107113733134423203865144181391360.0/17

Left In: -3.503+/-0.000

χ^2/NDF : 6729958277549549509263051005624320.0/10

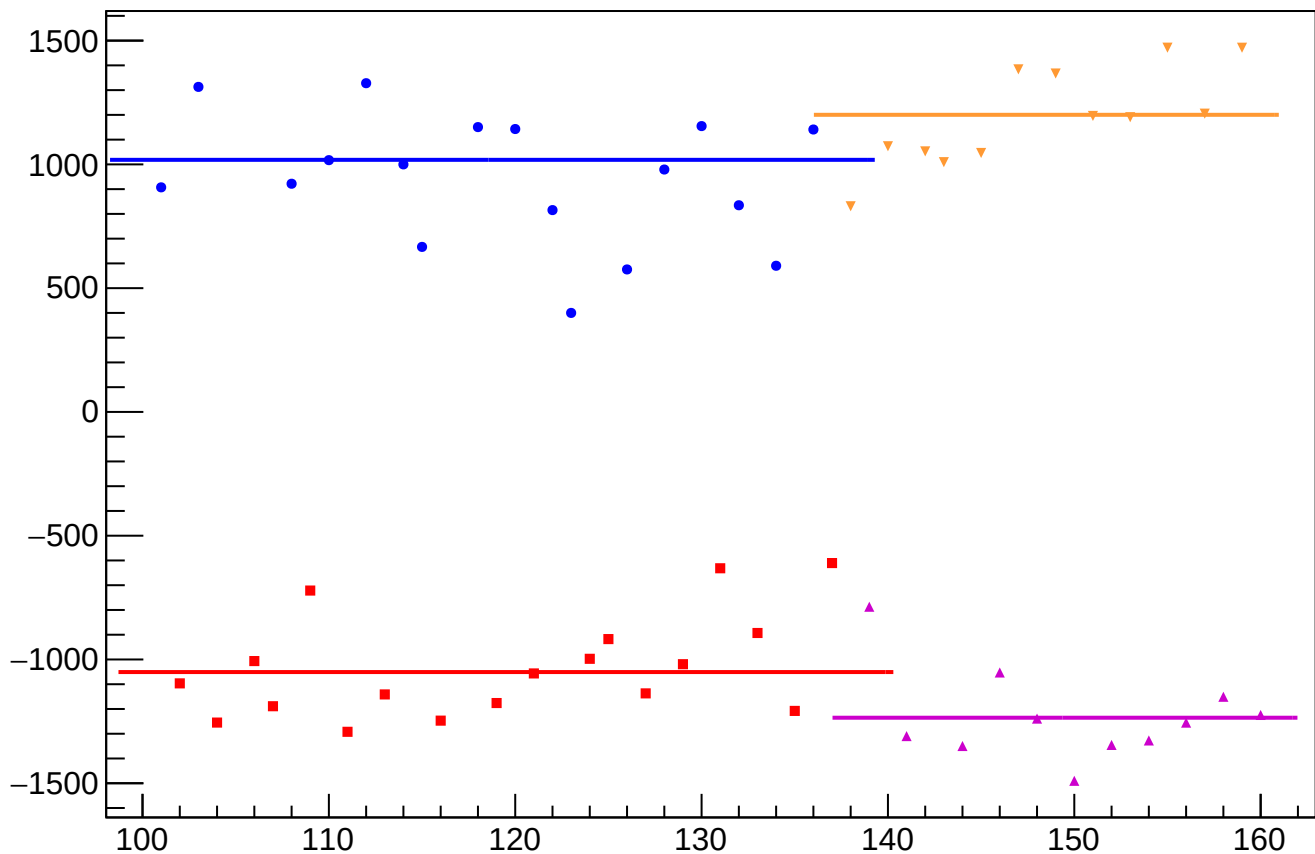
Left: 0.135+/-0.000 χ^2/NDF : 368509410294214663.0/16
 Right: -0.085+/-0.000 χ^2/NDF : 1330172036915898.0/16
 In: -1.116+/-0.000 χ^2/NDF : 228997943130651727.0/16
 Out: 1.198+/-0.000 χ^2/NDF : 229403467126811658.0/16
 All: 0.040+/-0.000 χ^2/NDF : 50191355697272.0/16

dit_4aY_coil1_err_mean vs Slug, Sign Corrected



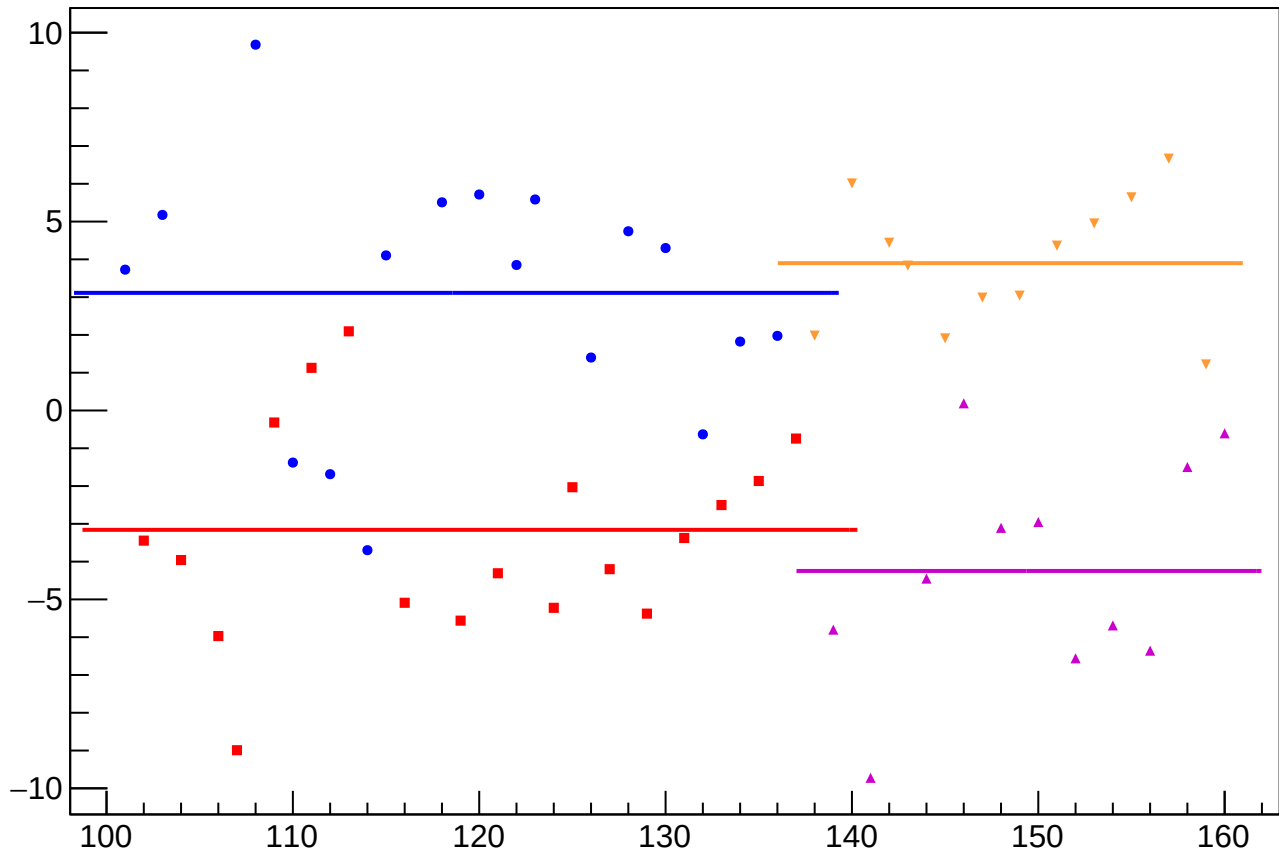
Right In: 1.647 ± 0.000 $\chi^2/\text{NDF}: 651088572320131635658625105526784.0/16$
 Left Out: 1.858 ± 0.000 $\chi^2/\text{NDF}: 92819096352183662549607808761856.0/11$
 Right Out: -1.483 ± 0.000 $\chi^2/\text{NDF}: 413770473105203088009551048343552.0/17$
 Left In: -1.883 ± 0.000 $\chi^2/\text{NDF}: 89198060548496721731654669828096.0/10$
 All: 0.005 ± 0.000 $\chi^2/\text{NDF}: 11145646478182$

dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected



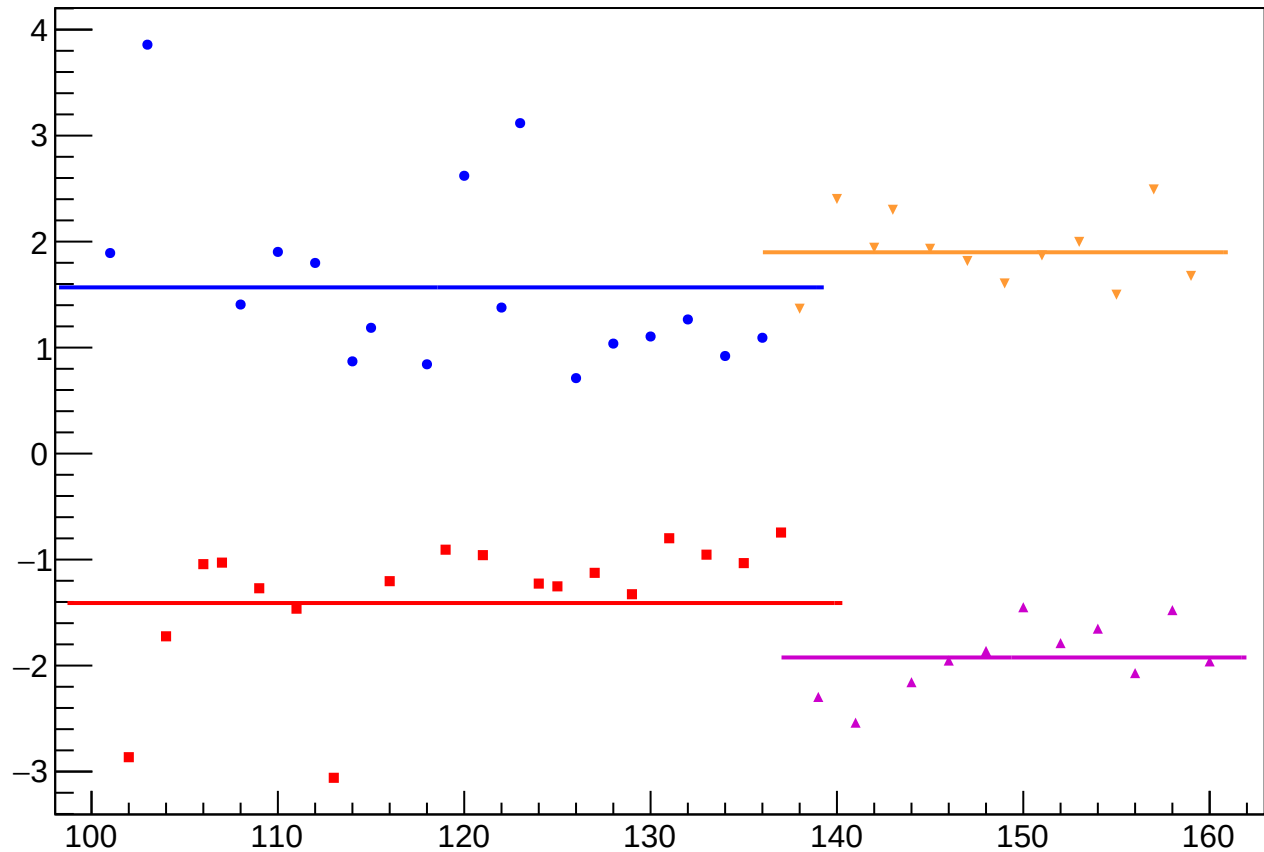
Right In: 1018.403+/-0.000	χ^2/NDF : 32778661856751386998435413517146259456.0/16	Left: -33.377+/-0.000	χ^2/NDF : 2794350173420514
Left Out: 1200.293+/-0.000	χ^2/NDF : 34024831893478856274932660157533913088.0/11	Right: -31.639+/-0.000	χ^2/NDF : 156759750862946
Right Out: -1050.842+/-0.000	χ^2/NDF : 26898078099677260392287731084448235520.0/17	In: -273.986+/-0.000	χ^2/NDF : 2083200596416121
Left In: -1235.313+/-0.000	χ^2/NDF : 29022677529286996275047766841758842880.0/10	Out: 209.183+/-0.000	χ^2/NDF : 2089011032009014
	All: -32.624+/-0.000	χ^2/NDF : 436195009310	

dit_4eY_coil1_mean vs Slug, Sign Corrected



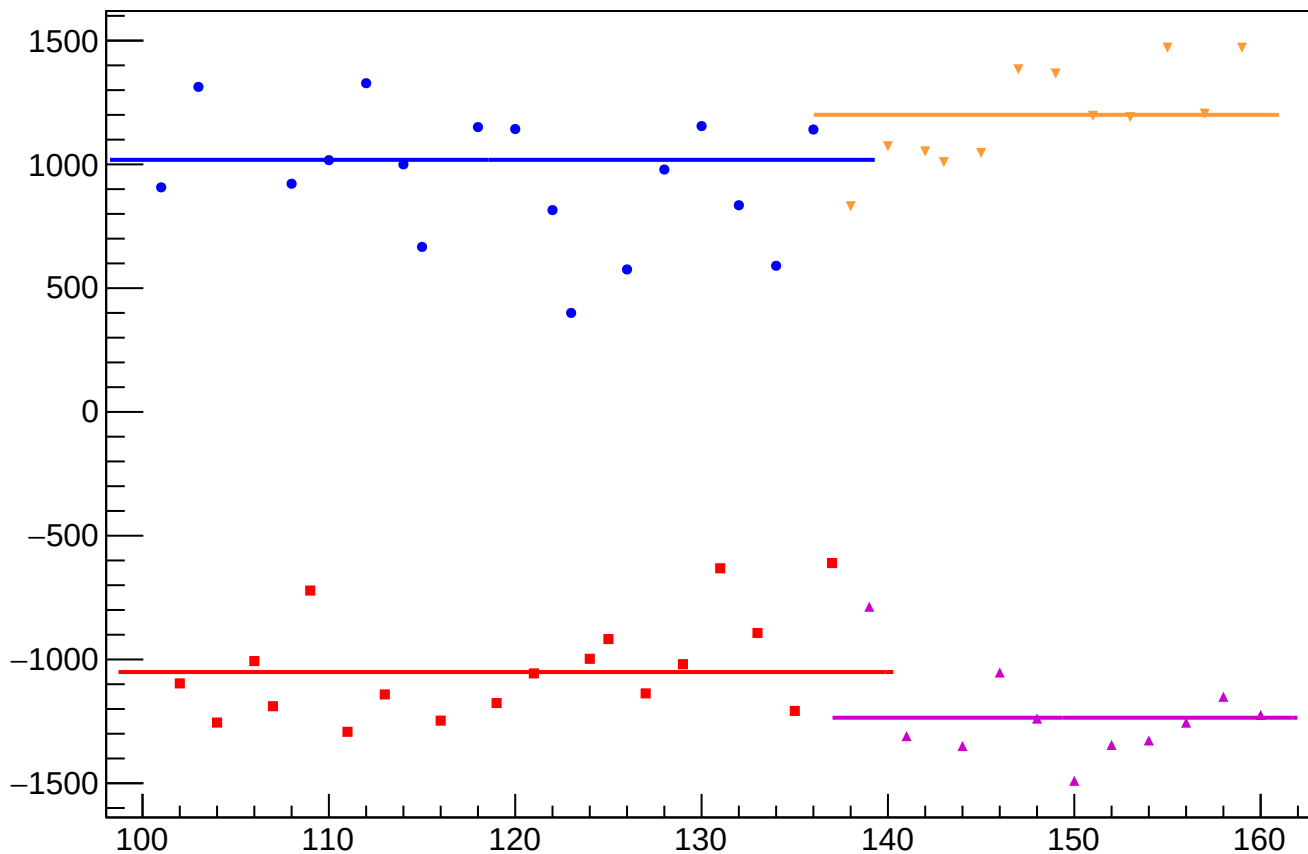
Left: -0.227 +/- 0.000 χ^2/NDF : 40514341492675254
 Right In: 3.113 +/- 0.000 χ^2/NDF : 5969364473683453458180416326336512.0/16
 Right: -0.069 +/- 0.000 χ^2/NDF : 2483579584133620
 Left Out: 3.899 +/- 0.000 χ^2/NDF : 2596063476262392643786187397398528.0/11
 In: -1.107 +/- 0.000 χ^2/NDF : 348931349722056987
 Right Out: -3.158 +/- 0.000 χ^2/NDF : 5013186540103138237647291198472192.0/17
 Out: 0.792 +/- 0.000 χ^2/NDF : 275445249090740071
 Left In: -4.247 +/- 0.000 χ^2/NDF : 7362557296783828788324476360065024.0/10
 All: -0.159 +/- 0.000 χ^2/NDF : 6536999261732

dit_4eY_coil1_err_mean vs Slug, Sign Corrected



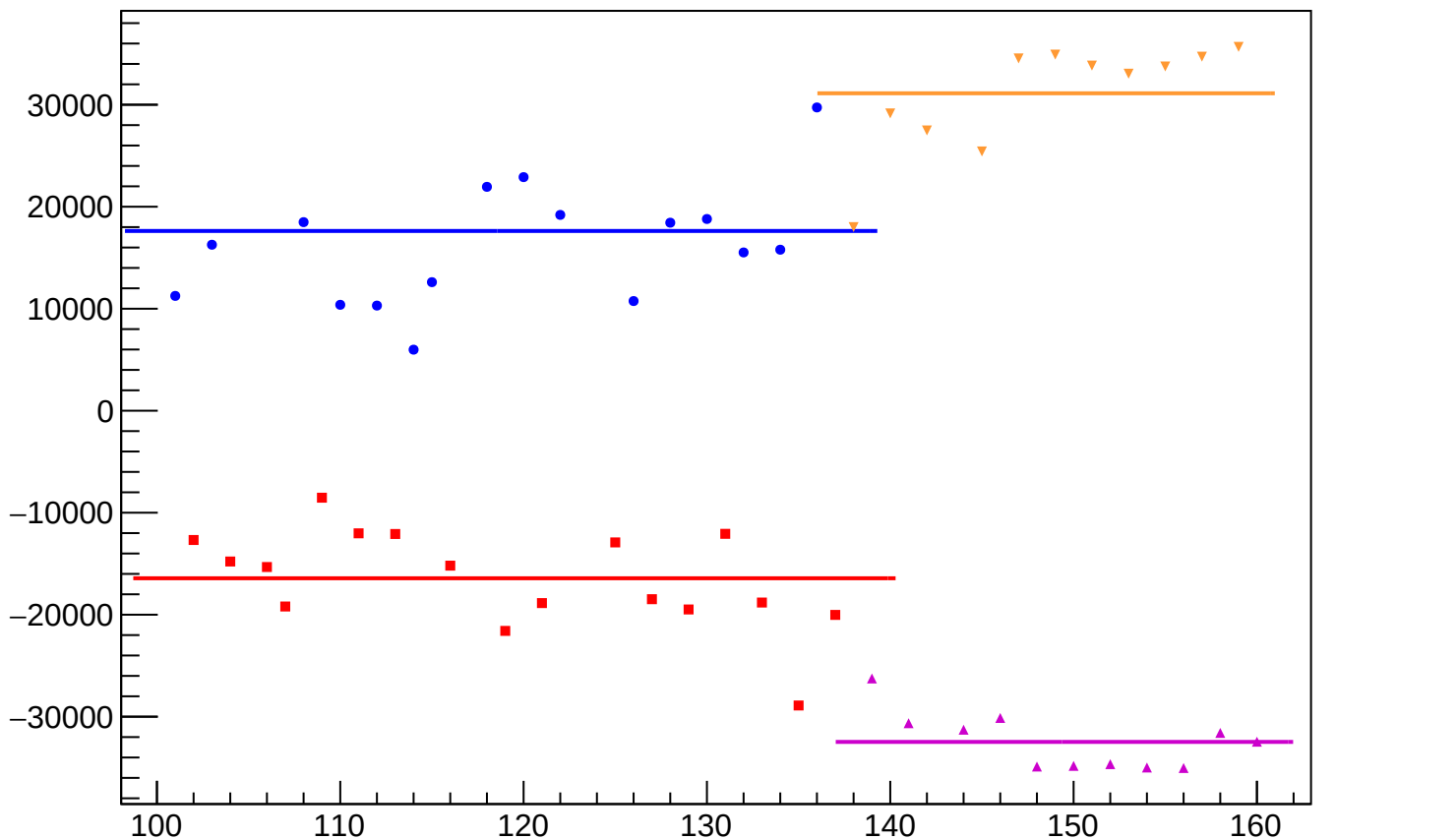
Left: -0.037 +/- 0.000 χ^2/NDF : 69291455940476642
 Right: 0.057 +/- 0.000 χ^2/NDF : 39493760940114627
 In: -0.434 +/- 0.000 χ^2/NDF : 544432056771901645
 Out: 0.442 +/- 0.000 χ^2/NDF : 481686328009350756
 All: 0.004 +/- 0.000 χ^2/NDF : 10885569689706

dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected



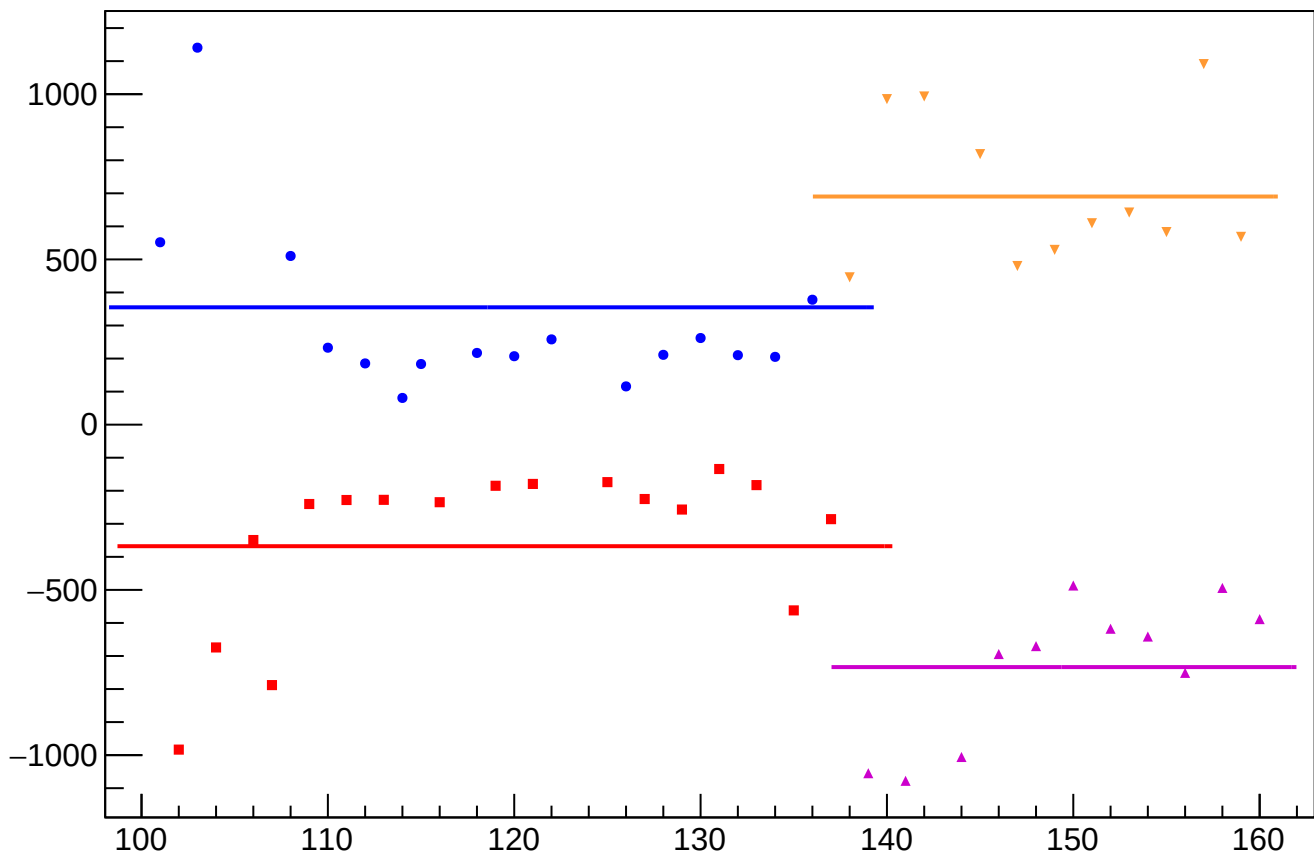
Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_usl_coil1_mean vs Slug, Sign Corrected



Right In: 17623.415+/-0.000 χ^2/NDF : 26214852160510248108396540611197117923328.0/15
 Left Out: 31121.908+/-0.000 χ^2/NDF : 23059902976455903047894835429096743239680.0/10
 Right Out: -16427.279+/-0.000 χ^2/NDF : 17497664990525804314439933995132913713152.0/16
 Left In: -32472.045+/-0.000 χ^2/NDF : 6559386601849495088258310306923846565888.0/10
 All: -1088.799+/-0.000 χ^2/NDF : 2272376029

dit_usl_coil1_err_mean vs Slug, Sign Corrected



Right In: 355.072 +/- 0.000

χ^2/NDF : 50262750162224494428361272812030132224.0/15

Left Out: 690.314 +/- 0.000

χ^2/NDF : 37624697763034602007656197583819243520.0/10

Right Out: -367.779 +/- 0.000

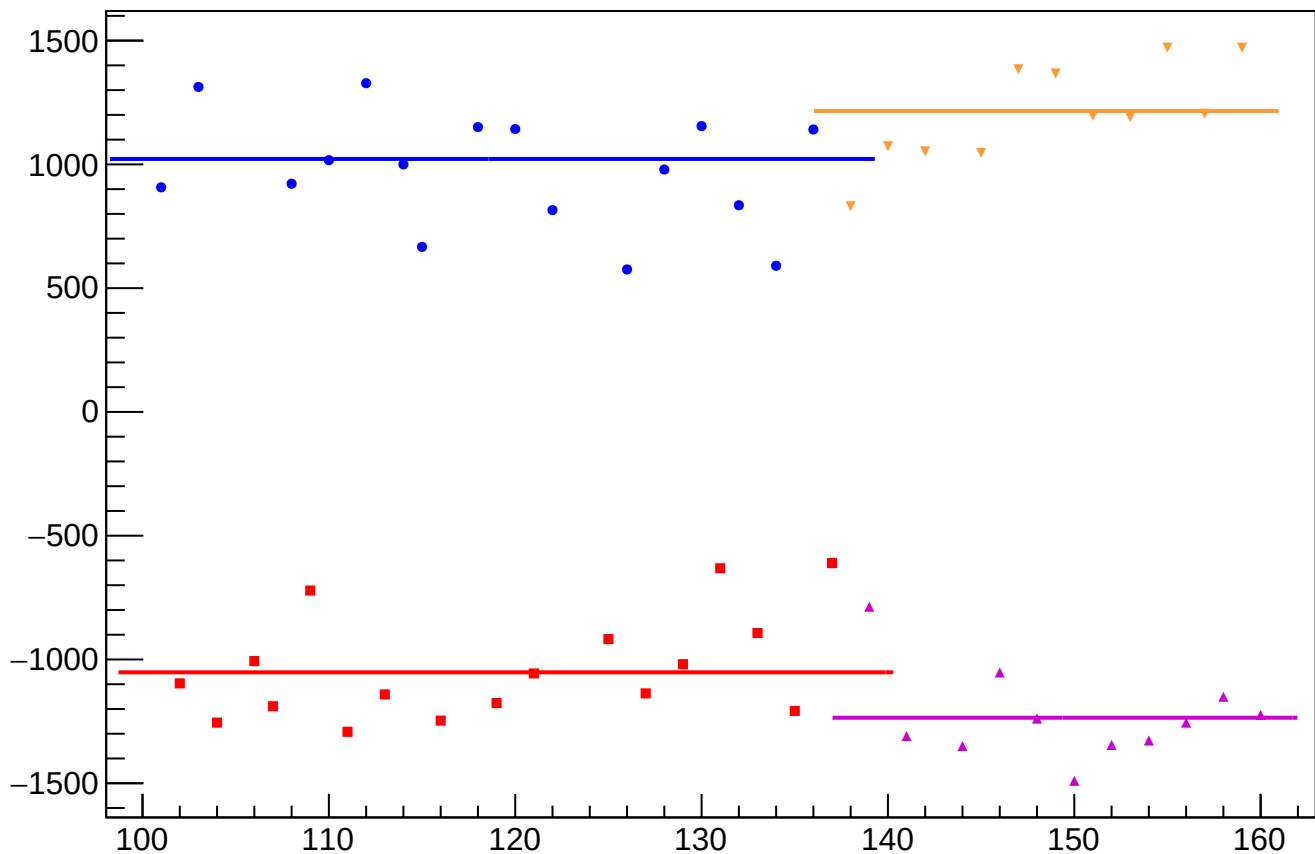
χ^2/NDF : 47461092327588428657122003339509235712.0/16

Left In: -733.575 +/- 0.000

χ^2/NDF : 39366801674031082271771997491878166528.0/10

All: -36.638 +/- 0.000 χ^2/NDF : 125559457835

dit_usl_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.988 $\pm$ 0.000

χ^2/NDF : 31240102732297466680062358937095110656.0/15

Left Out: 1215.518 $\pm$ 0.000

χ^2/NDF : 31376780831313540387850491409995923456.0/10

Right Out: -1051.912 $\pm$ 0.000

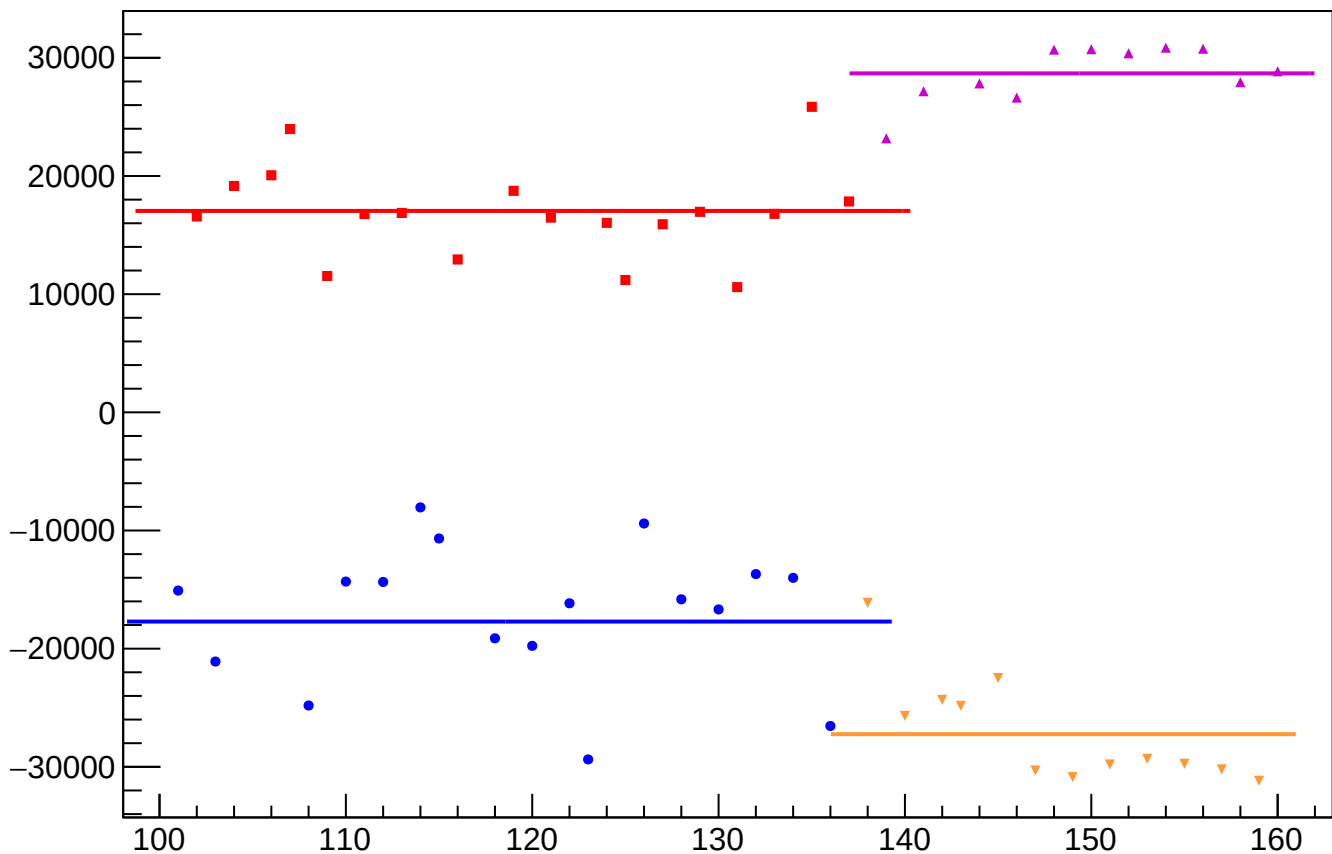
χ^2/NDF : 26857120331966502825045576618889707520.0/16

Left In: -1235.313 $\pm$ 0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -72.722 $\pm$ 0.000 χ^2/NDF : 2718809882029670.0/15
 Right: -23.162 $\pm$ 0.000 χ^2/NDF : 155369766724593.0/15
 In: -275.647 $\pm$ 0.000 χ^2/NDF : 2081379090443663.0/15
 Out: 185.402 $\pm$ 0.000 χ^2/NDF : 2024904923484737.0/15
 All: -50.947 $\pm$ 0.000 χ^2/NDF : 427442302234.0/15

dit_usr_coil1_mean vs Slug, Sign Corrected



Right In: -17706.432+/-0.000

Left Out: -27234.311+/-0.000

Right Out: 17045.413+/-0.000

Left In: 28684.462+/-0.000

χ^2/NDF : 17446583920719856354509663675734298722304.0/16

χ^2/NDF : 17501423858802312277149406811030835691520.0/11

χ^2/NDF : 10956517506901040130363493382016229965824.0/17

χ^2/NDF : 4838740363214091105444424537307038613504.0/10

Left: 1089.367+/-0.000 χ^2/NDF : 146203735628792

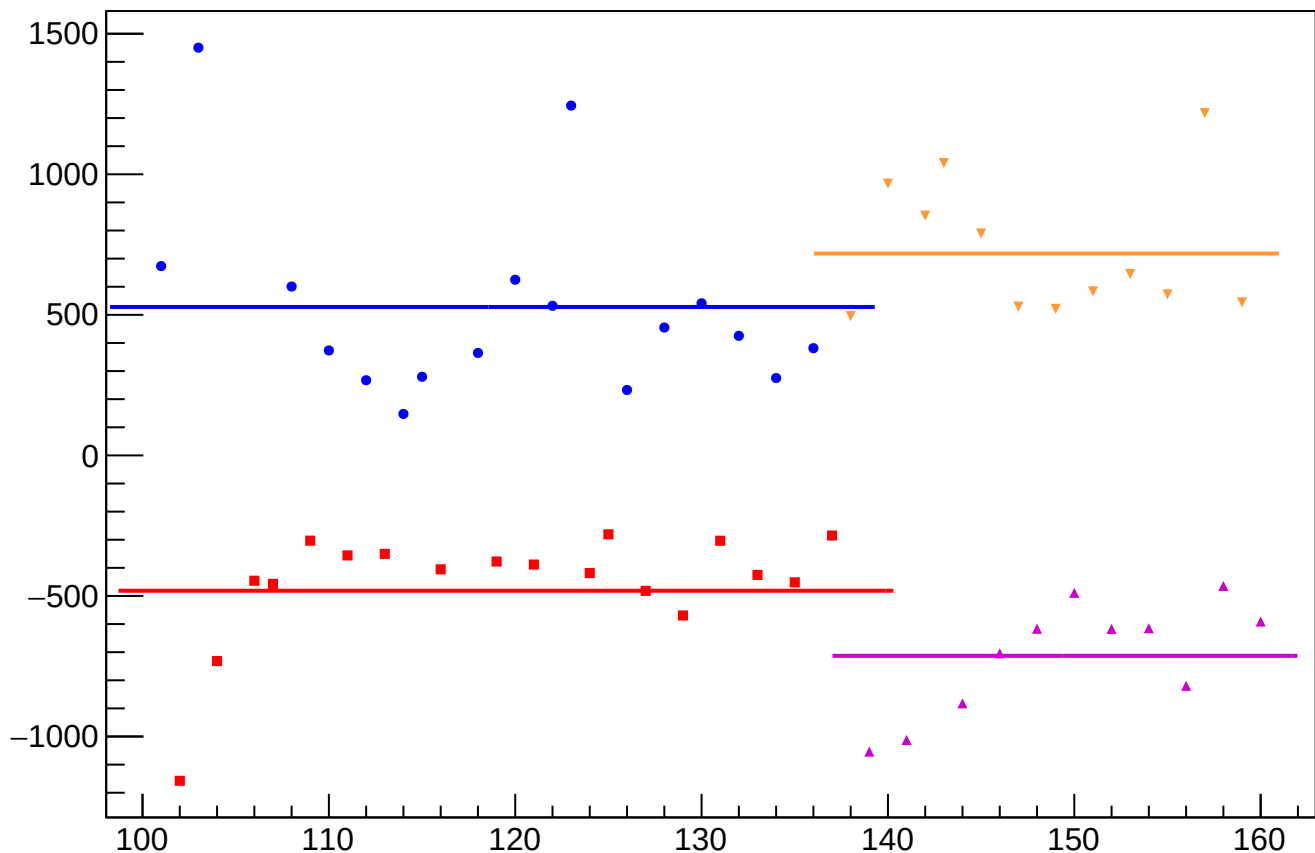
Right: -71.535+/-0.000 χ^2/NDF : 453717668983601

In: 8896.336+/-0.000 χ^2/NDF : 8787689036344538

Out: -7739.235+/-0.000 χ^2/NDF : 81313997076269

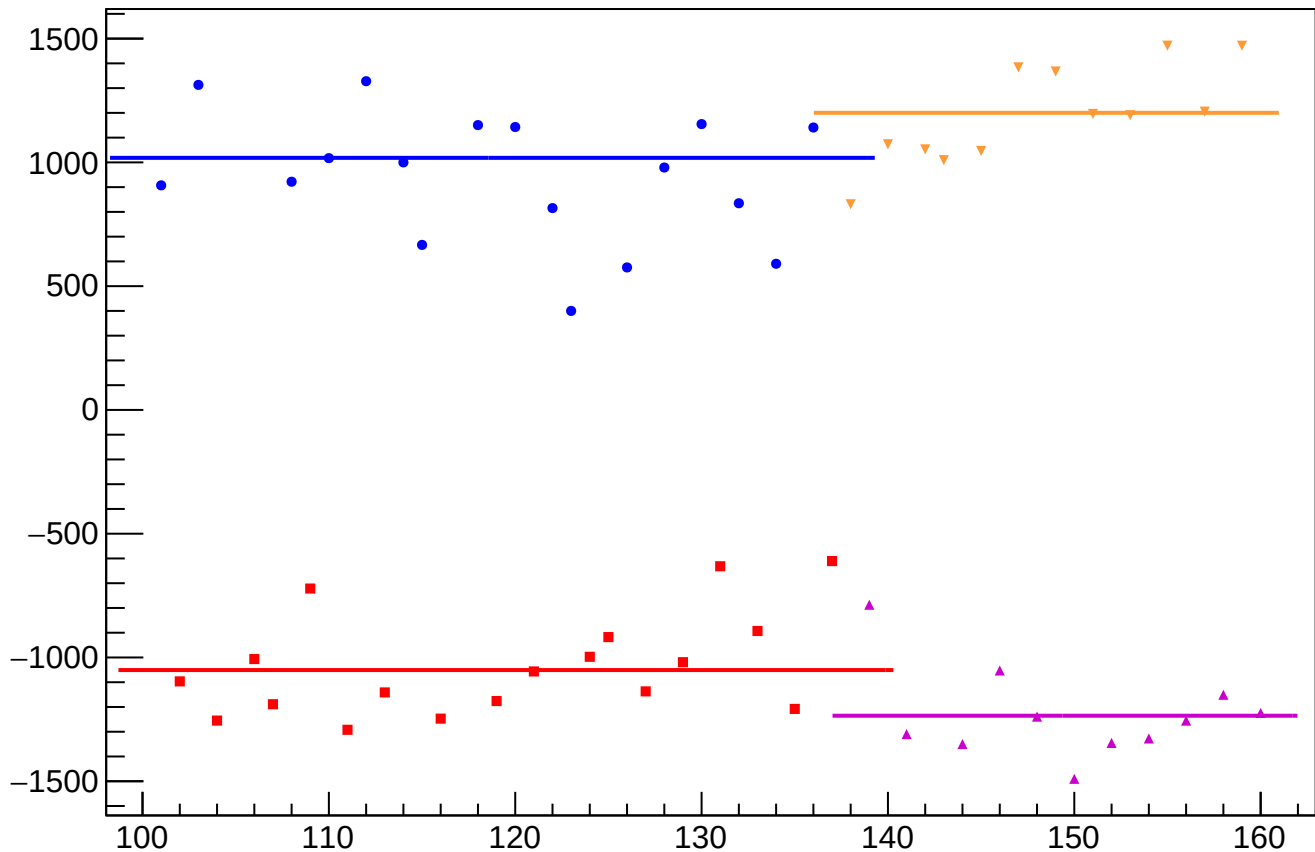
All: 586.226+/-0.000 χ^2/NDF : 191683093358

dit_usr_coil1_err_mean vs Slug, Sign Corrected



Left: -6.763+/-0.000 χ^2/NDF : 10241293402202256
 Right In: 528.041+/-0.000 χ^2/NDF : 69659723827653646879006199384029265920.0/16
 Left Out: 718.075+/-0.000 χ^2/NDF : 47539185486125031464503975982300921856.0/11
 Right Out: -481.423+/-0.000 χ^2/NDF : 37781807344960782949995964438094544896.0/17
 Left In: -712.956+/-0.000 χ^2/NDF : 33715682233034029284600696449779367936.0/10
 All: 3.010+/-0.000 χ^2/NDF : 14908458943578

dit_usr_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

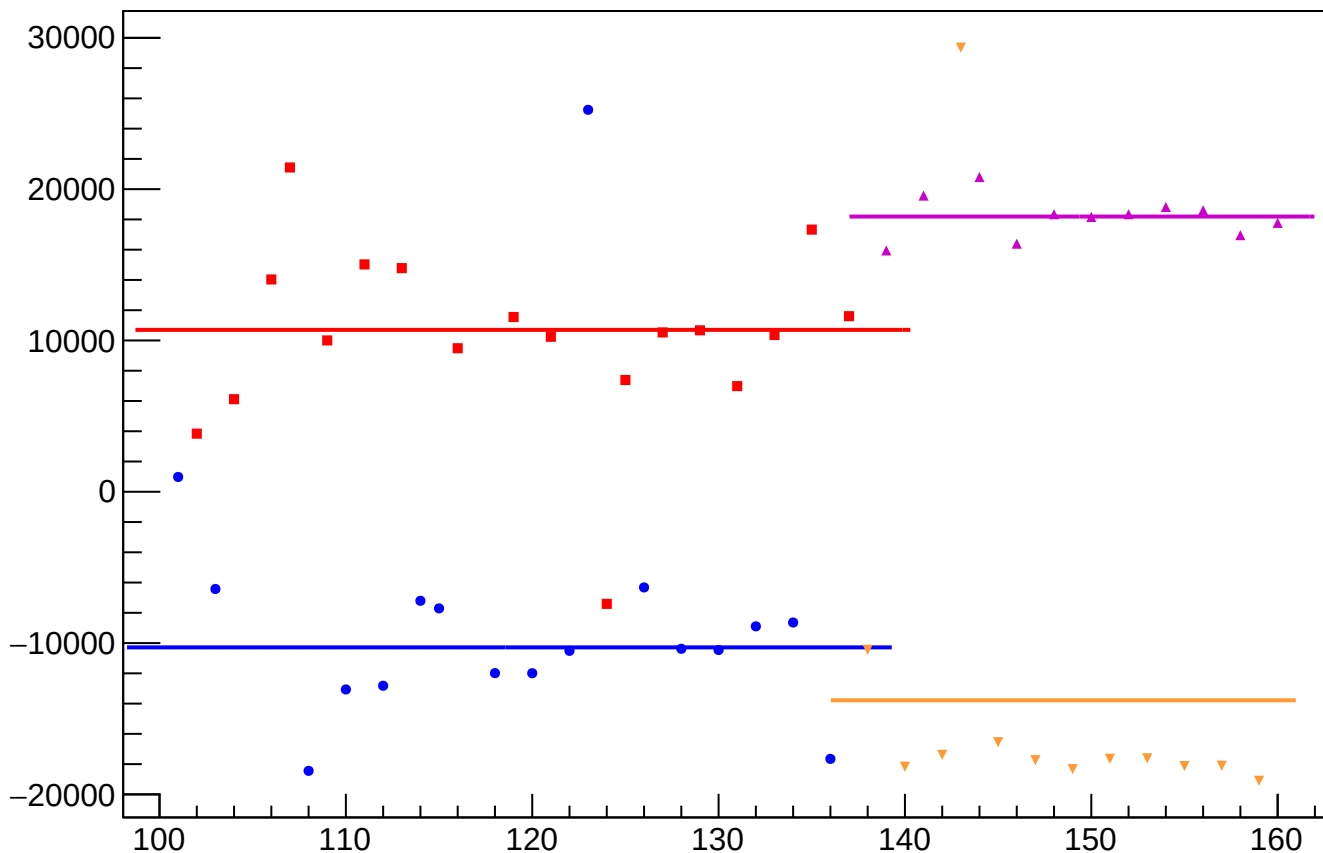
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_atl1_coil1_mean vs Slug, Sign Corrected



Right In: -10283.660+/-0.000

χ^2/NDF : 22542685724167344155071704935611221671936.0/16

Left Out: -13780.875+/-0.000

χ^2/NDF : 138817330584648681822484556617162256547840.0/11

Right Out: 10700.860+/-0.000

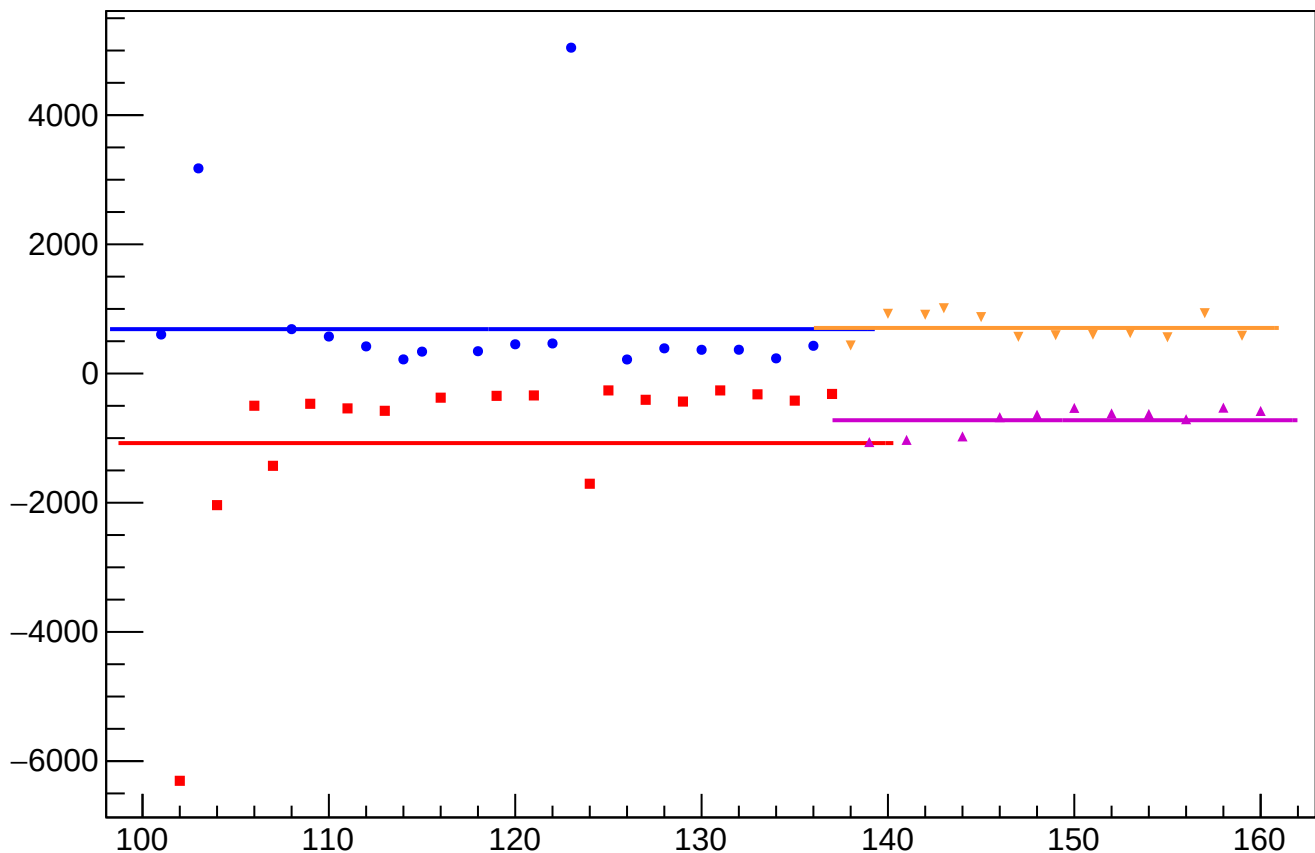
χ^2/NDF : 17608009820774086602629870631925827239936.0/17

Left In: 18189.629+/-0.000

χ^2/NDF : 1634139917822330923820252034017137786880.0/10

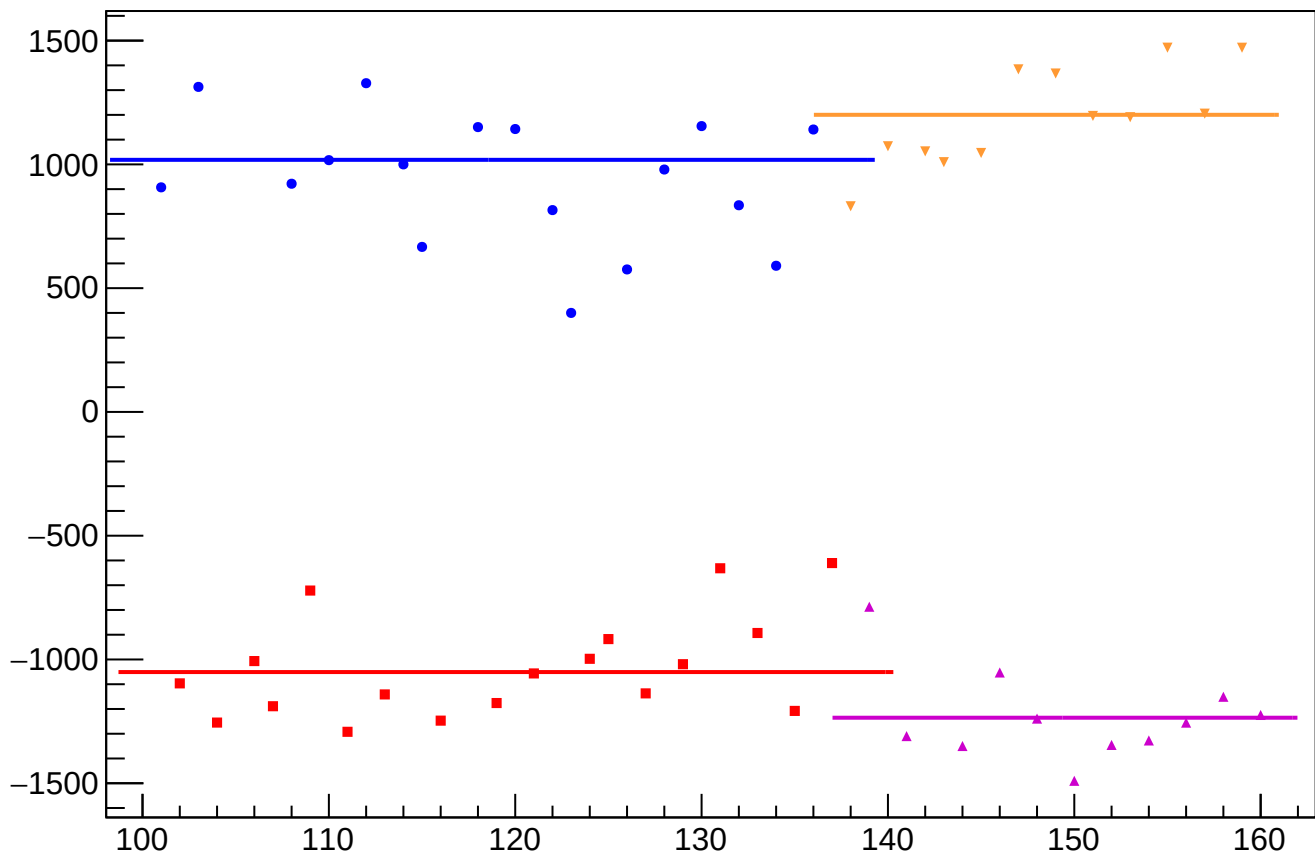
All: 1525.181+/-0.000 χ^2/NDF : 80963160115

dit_atl1_coil1_err_mean vs Slug, Sign Corrected



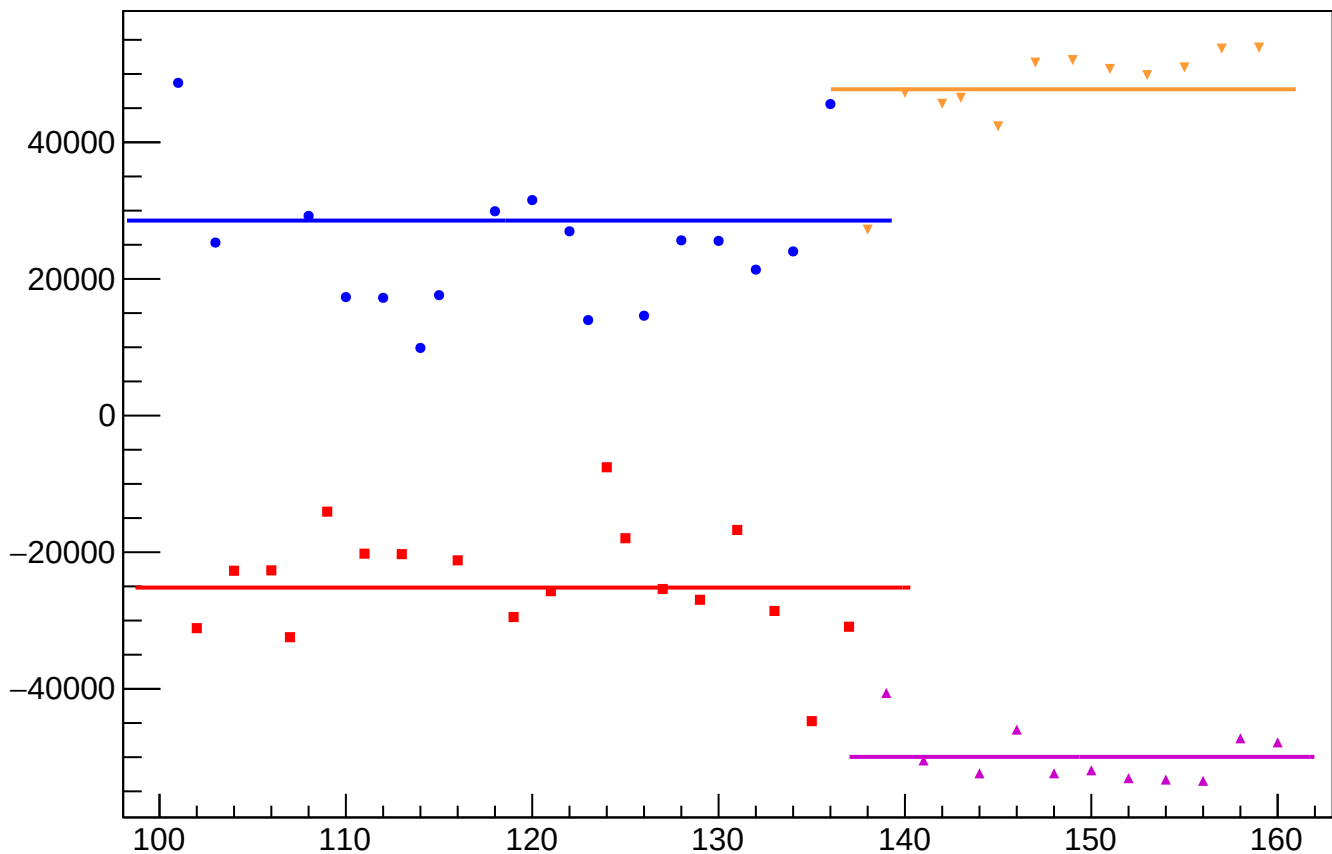
Right In: 686.989+/-0.000 χ^2/NDF : 493304193623954738914781428530632720384.0/16
 Left Out: 705.686+/-0.000 χ^2/NDF : 30616664019236375652772902235296235520.0/11
 Right Out: -1076.905+/-0.000 χ^2/NDF : 1898129082549914246384223466564869947392.0/17
 Left In: -722.981+/-0.000 χ^2/NDF : 33412765649158577967580020065397899264.0/10
 All: -100.366+/-0.000 χ^2/NDF : 45198086935

dit_atl1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000	χ^2/NDF : 32778661856751386998435413517146259456.0/16	Left: -33.377+/-0.000	χ^2/NDF : 2794350173420514
Left Out: 1200.293+/-0.000	χ^2/NDF : 34024831893478856274932660157533913088.0/11	Right: -31.639+/-0.000	χ^2/NDF : 156759750862946
Right Out: -1050.842+/-0.000	χ^2/NDF : 26898078099677260392287731084448235520.0/17	In: -273.986+/-0.000	χ^2/NDF : 2083200596416121
Left In: -1235.313+/-0.000	χ^2/NDF : 29022677529286996275047766841758842880.0/10	Out: 209.183+/-0.000	χ^2/NDF : 2089011032009014
	All: -32.624+/-0.000	χ^2/NDF : 436195009310	

dit_atl2_coil1_mean vs Slug, Sign Corrected



Right In: 28545.088+/-0.000

χ^2/NDF : 79305503092498524397532941064889916456960.0/16

Left Out: 47763.203+/-0.000

χ^2/NDF : 45759984204233972463295715243734259990528.0/11

Right Out: -25173.072+/-0.000

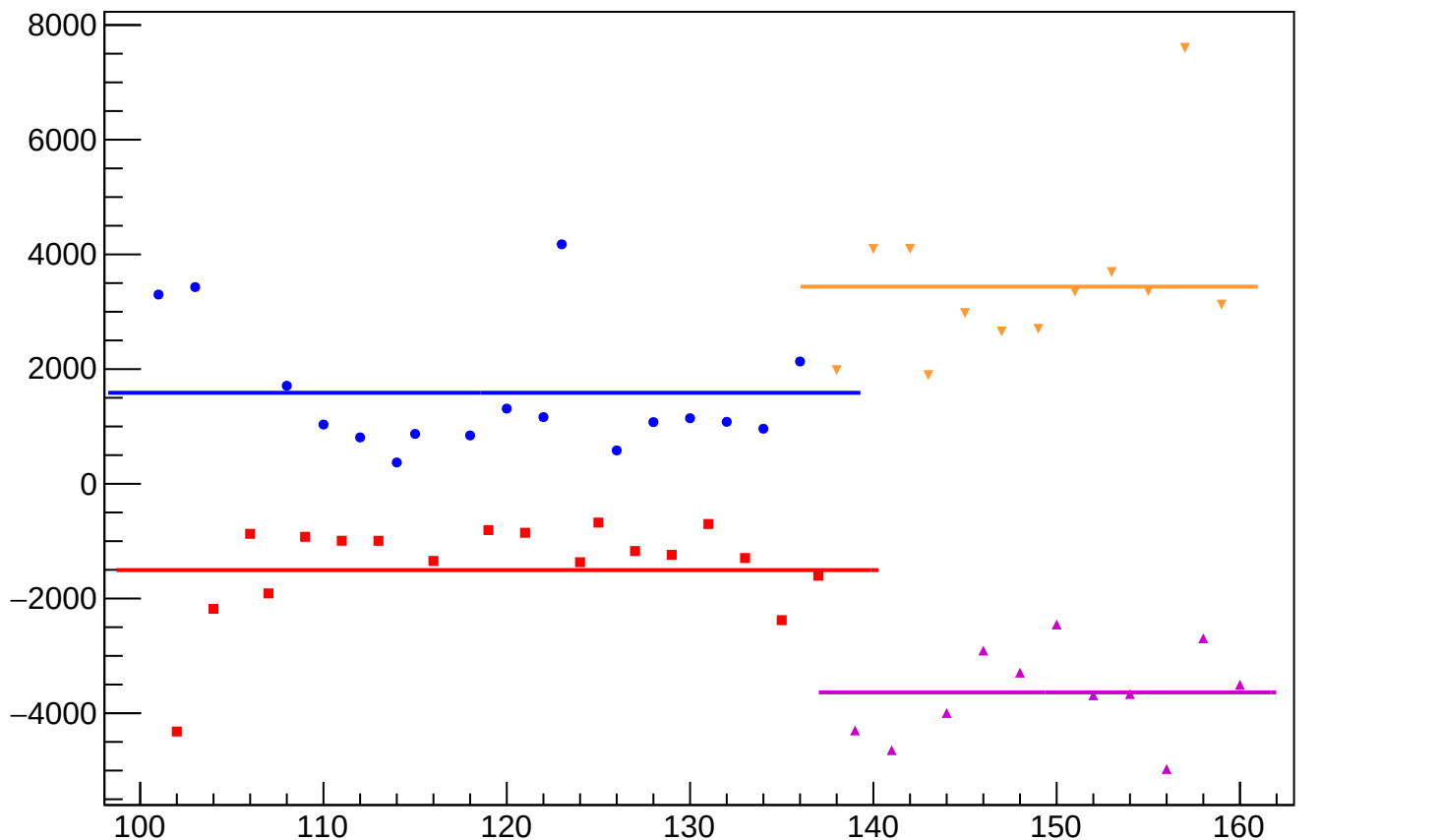
χ^2/NDF : 42747079455180569490134671830323044548608.0/17

Left In: -49953.612+/-0.000

χ^2/NDF : 13577033864383990821014727544731703705600.0/10

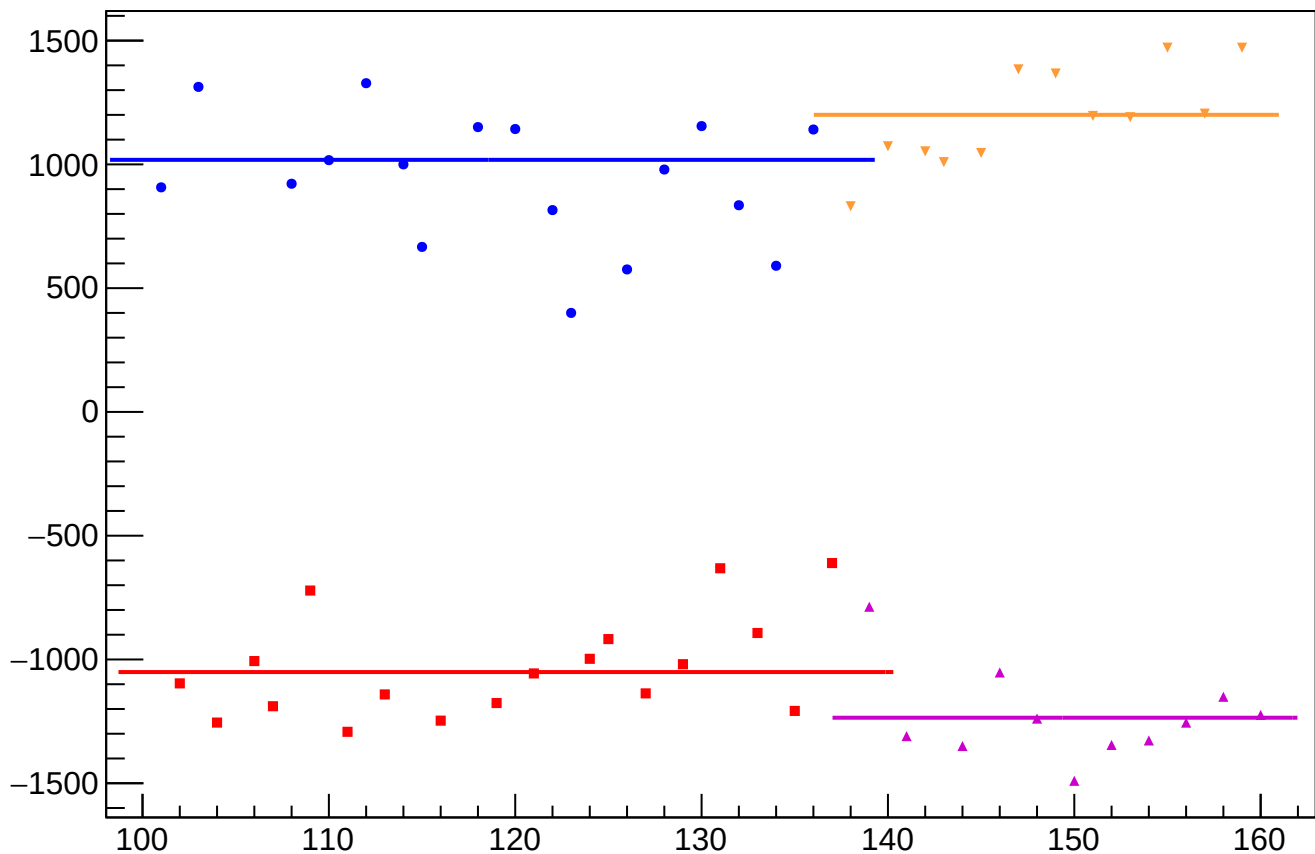
All: -424.000+/-0.000 χ^2/NDF : 56012725054

dit_atl2_coil1_err_mean vs Slug, Sign Corrected



Right In: 1587.187+/-0.000 χ^2/NDF : 615324434940076903003531567179686215680.0/16
 Left Out: 3437.732+/-0.000 χ^2/NDF : 1787367668595754289869839739980022284288.0/11
 Right Out: -1504.230+/-0.000 χ^2/NDF : 678771439829187339393474850676239499264.0/17
 Left In: -3636.942+/-0.000 χ^2/NDF : 531629510499304026743248594251812962304.0/10
 All: -74.557+/-0.000 χ^2/NDF : 300448399053

dit_atl2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

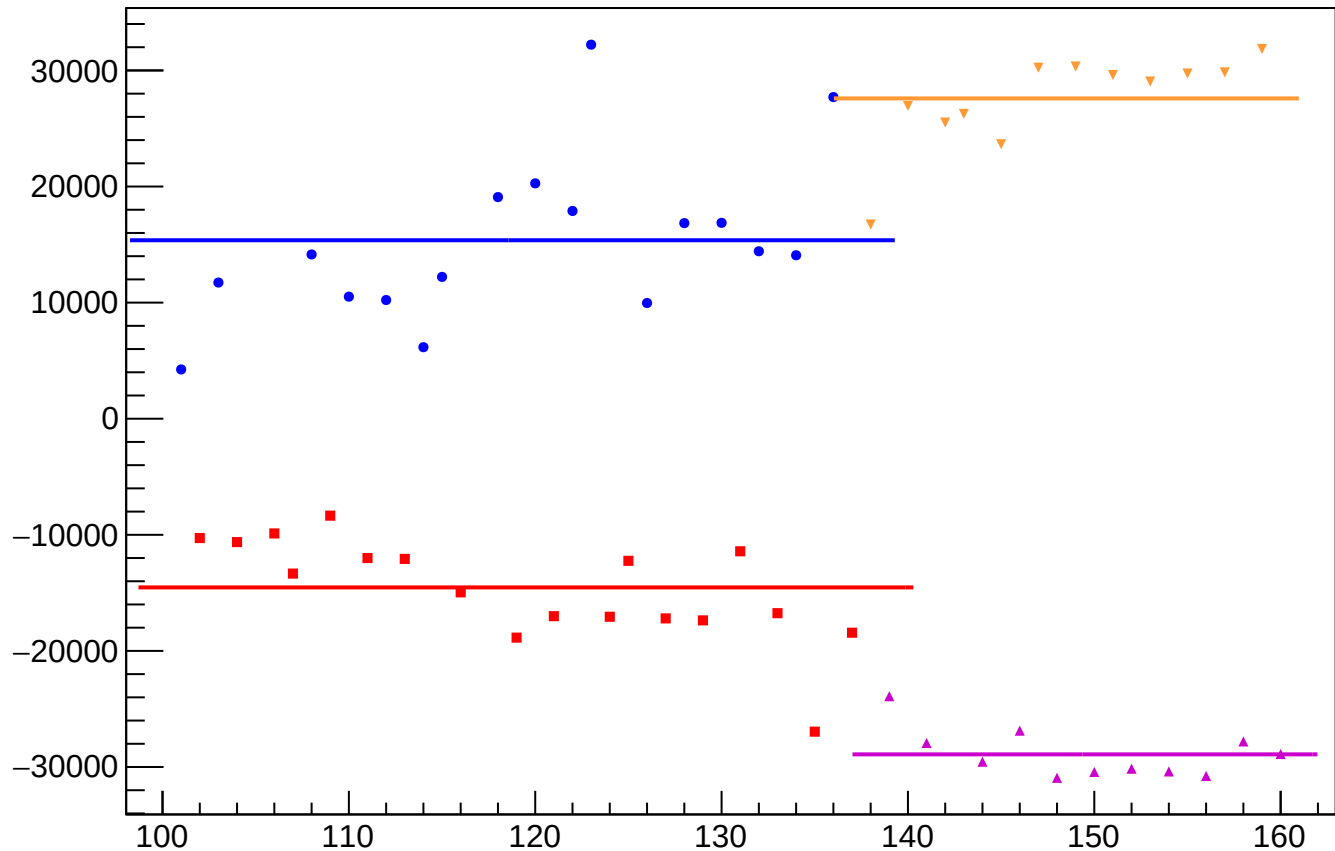
χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

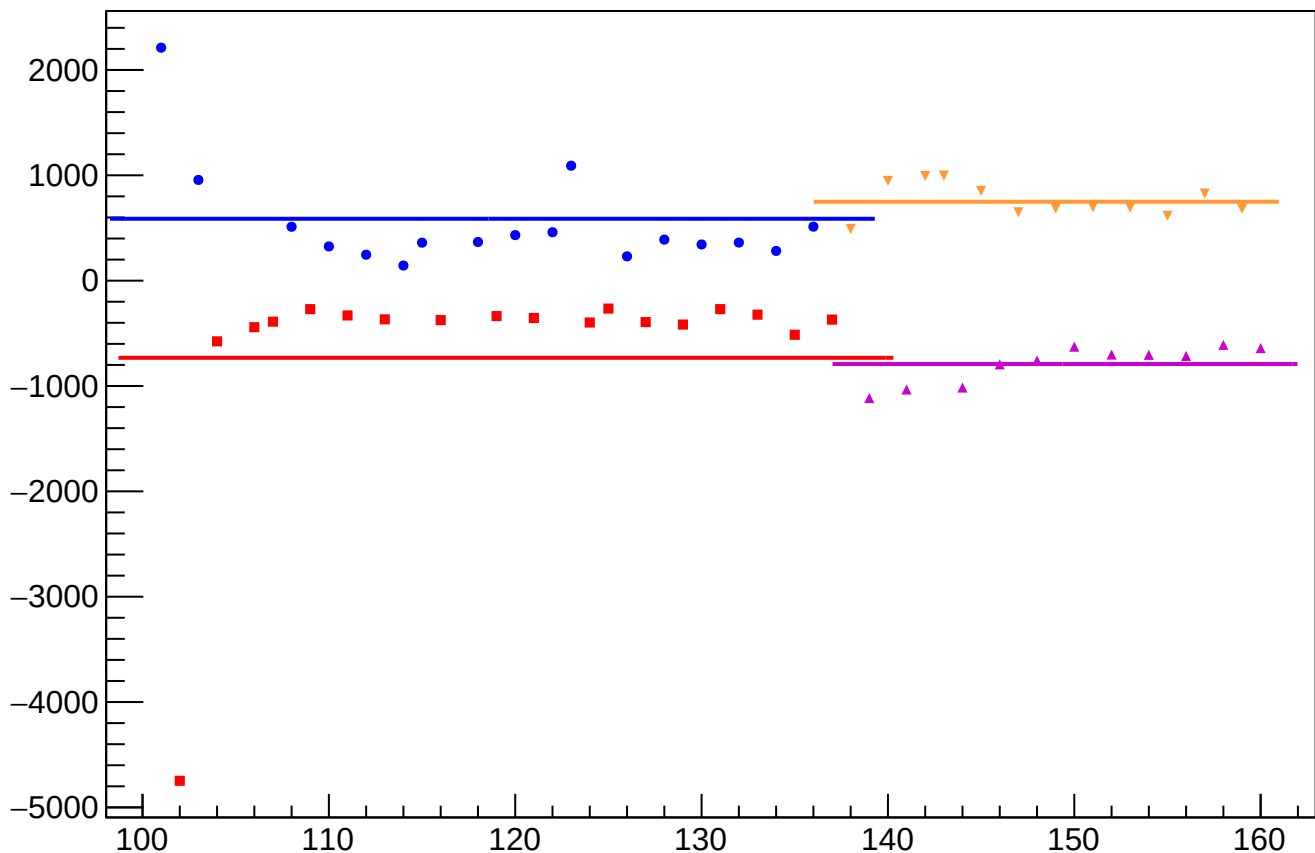
Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514
 Right: -31.639+/-0.000 χ^2/NDF : 156759750862946
 In: -273.986+/-0.000 χ^2/NDF : 2083200596416121
 Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_atr1_coil1_mean vs Slug, Sign Corrected



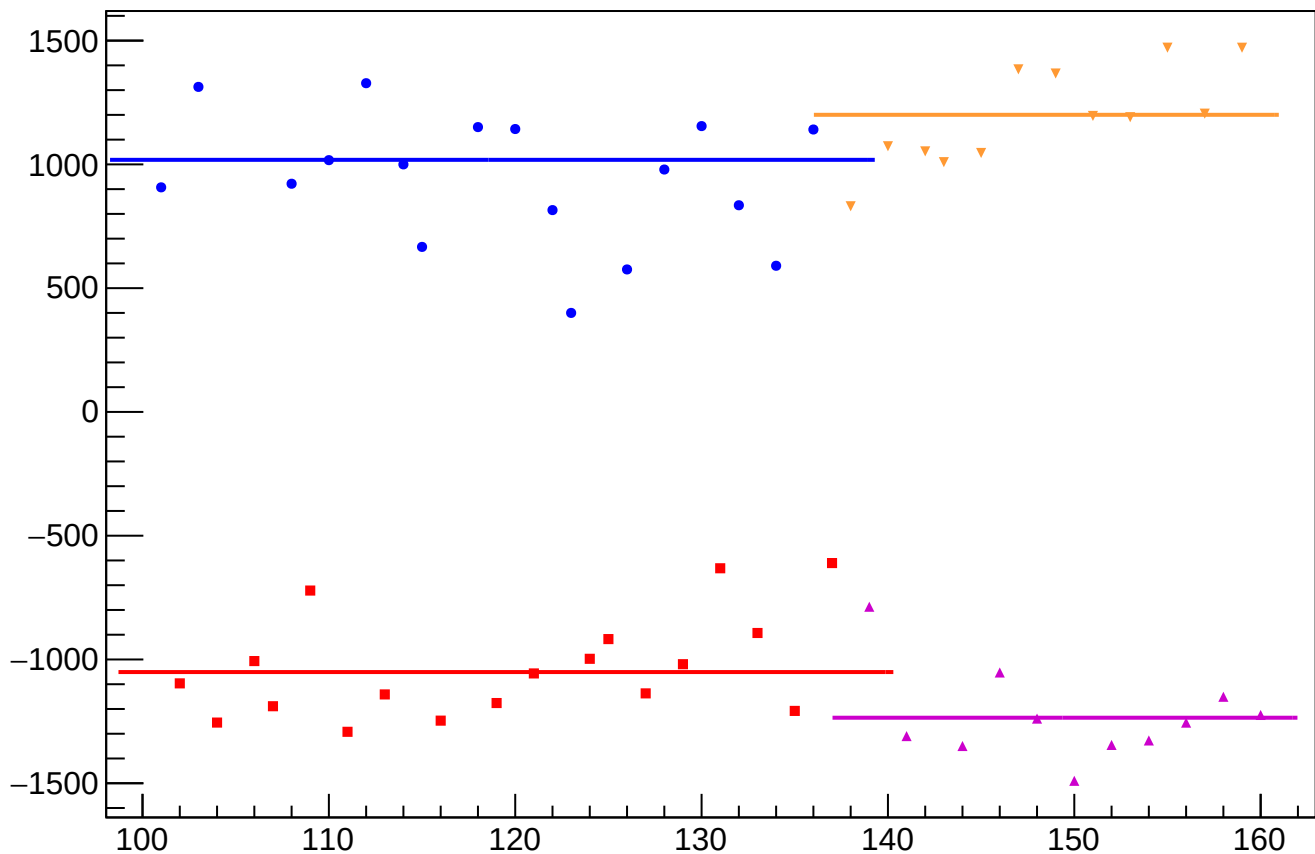
Right In: 15371.957+/-0.000 χ^2/NDF : 29284474571084462407736251938608521412608.0/16
 Left Out: 27590.549+/-0.000 χ^2/NDF : 14629897493361033715378591637422508867584.0/11
 Right Out: -14530.553+/-0.000 χ^2/NDF : 15462988113686651104588076983529515253760.0/17
 Left In: -28911.407+/-0.000 χ^2/NDF : 3750623516154684604168342640620271042560.0/10
 All: -496.998+/-0.000 χ^2/NDF : 18491099941

dit_atr1_coil1_err_mean vs Slug, Sign Corrected



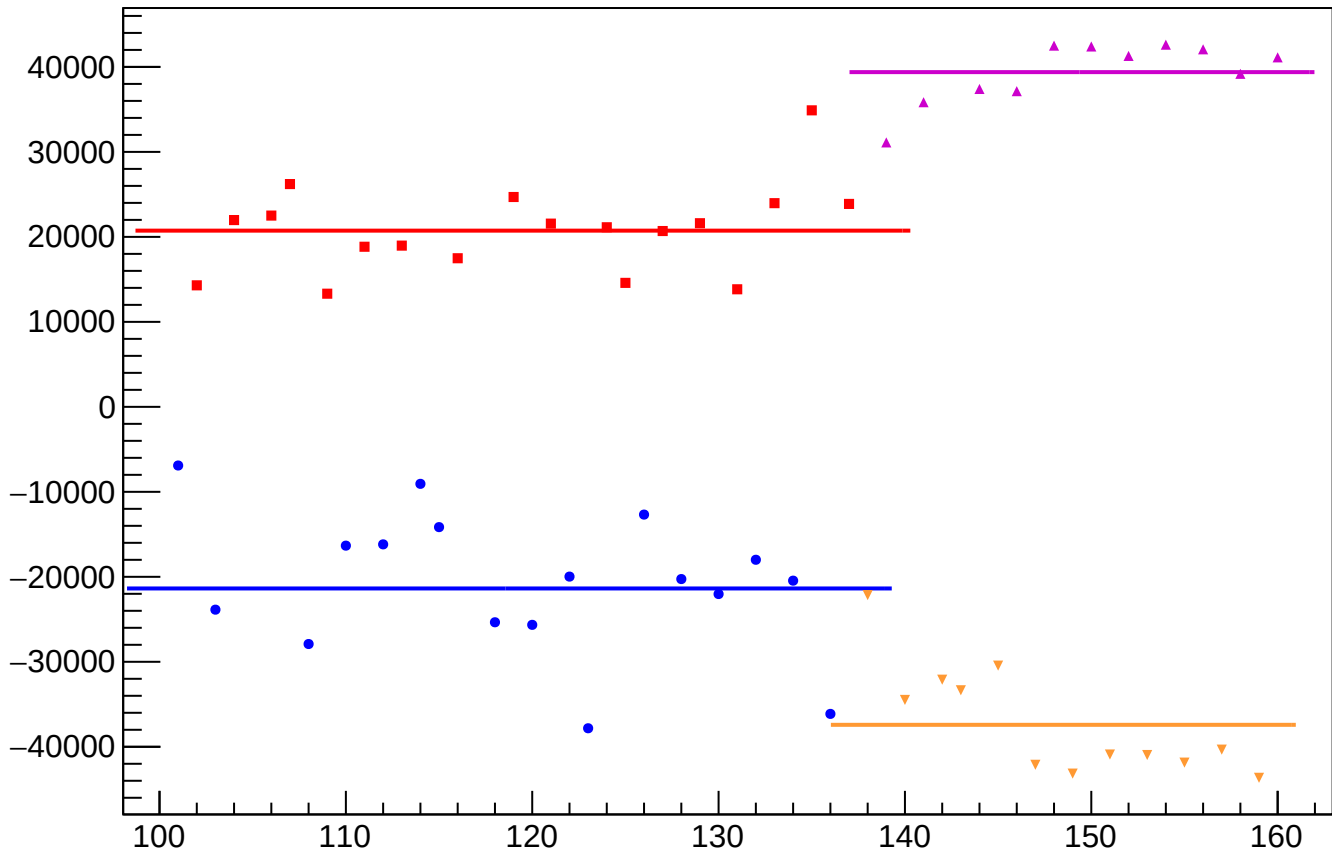
Right In: 587.577+/-0.000 χ^2/NDF : 195107984512310448986091727250308202496.0/16
 Left Out: 749.082+/-0.000 χ^2/NDF : 19986493434775093751754489968960995328.0/11
 Right Out: -732.166+/-0.000 χ^2/NDF : 1022613131551712750449458449642369843200.0/17
 Left In: -791.279+/-0.000 χ^2/NDF : 26822559207642096711518423492795039744.0/10
 All: -53.235+/-0.000 χ^2/NDF : 297244099785

dit_atr1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_atr2_coil1_mean vs Slug, Sign Corrected



Right In: -21370.339+/-0.000

Left Out: -37415.440+/-0.000

Right Out: 20735.001+/-0.000

Left In: 39386.944+/-0.000

χ^2/NDF : 44476087148423218769698830448172004802560.0/16

χ^2/NDF : 36893164654983701349381151569495382294528.0/11

χ^2/NDF : 21267884844776863671050573800564620001280.0/17

χ^2/NDF : 11090931788233525208634627212015308898304.0/10

Left: 1486.093+/-0.000 χ^2/NDF : 276383113141512

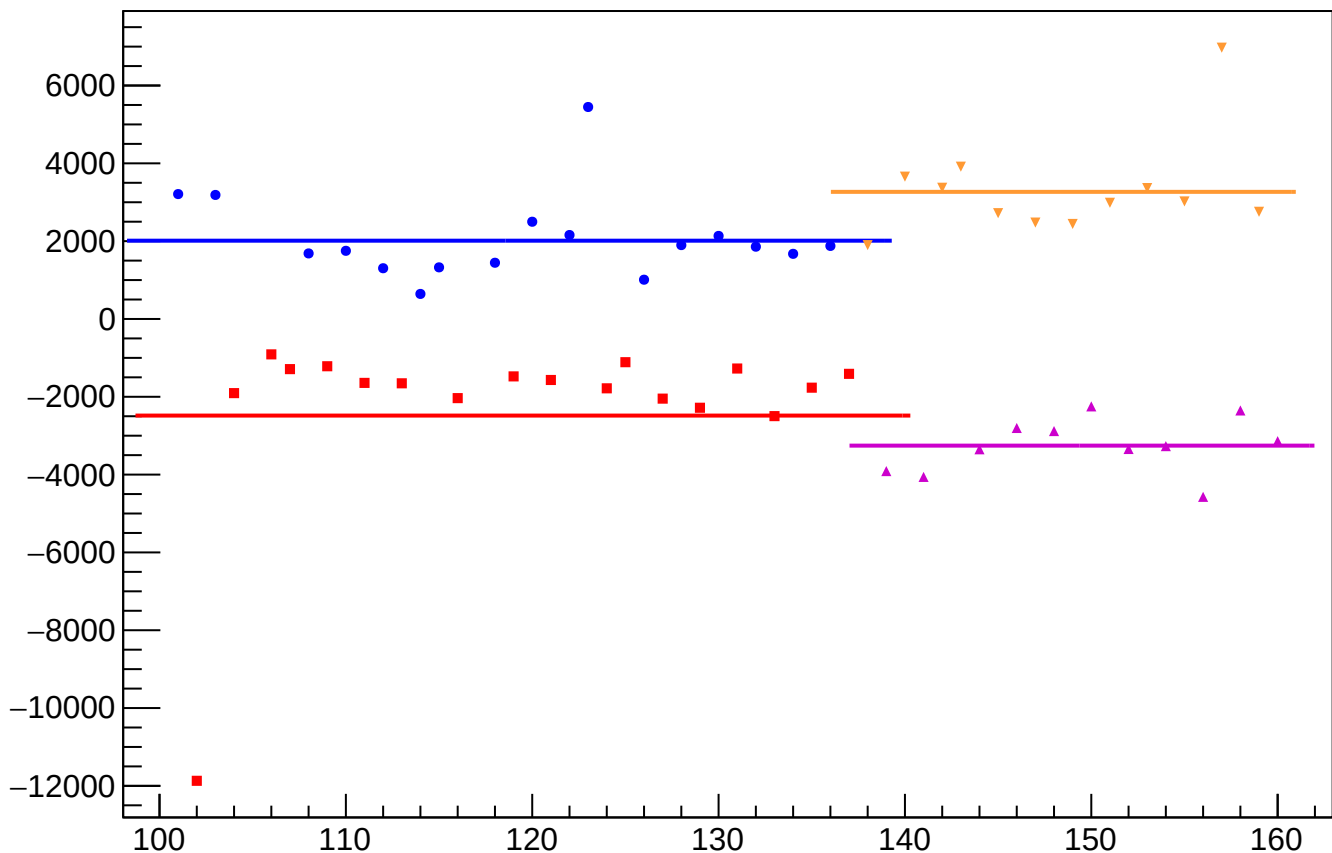
Right: -3.896+/-0.000 χ^2/NDF : 6900950472840911

In: 13470.807+/-0.000 χ^2/NDF : 152466323892427

Out: -11813.491+/-0.000 χ^2/NDF : 1411448108237

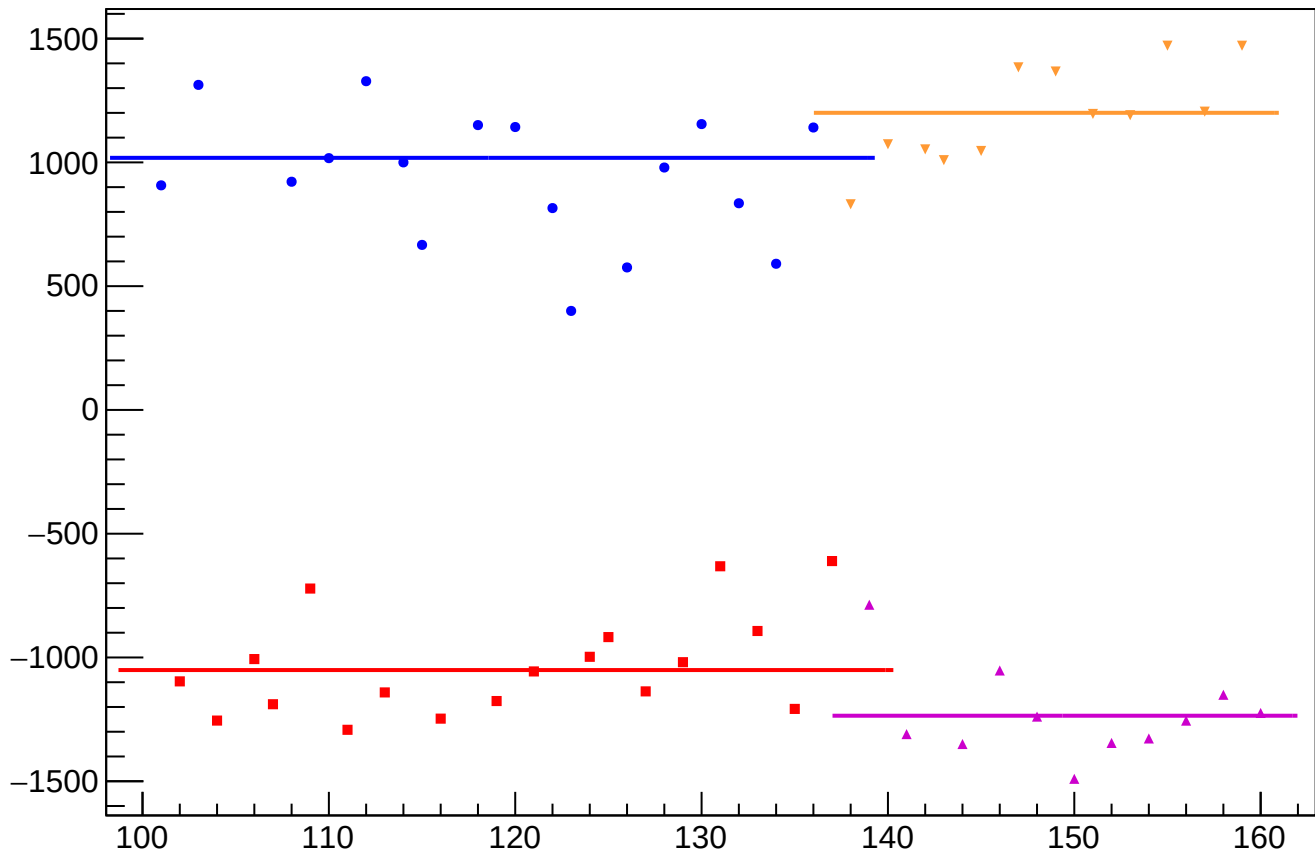
All: 840.324+/-0.000 χ^2/NDF : 345569852964

dit_atr2_coil1_err_mean vs Slug, Sign Corrected



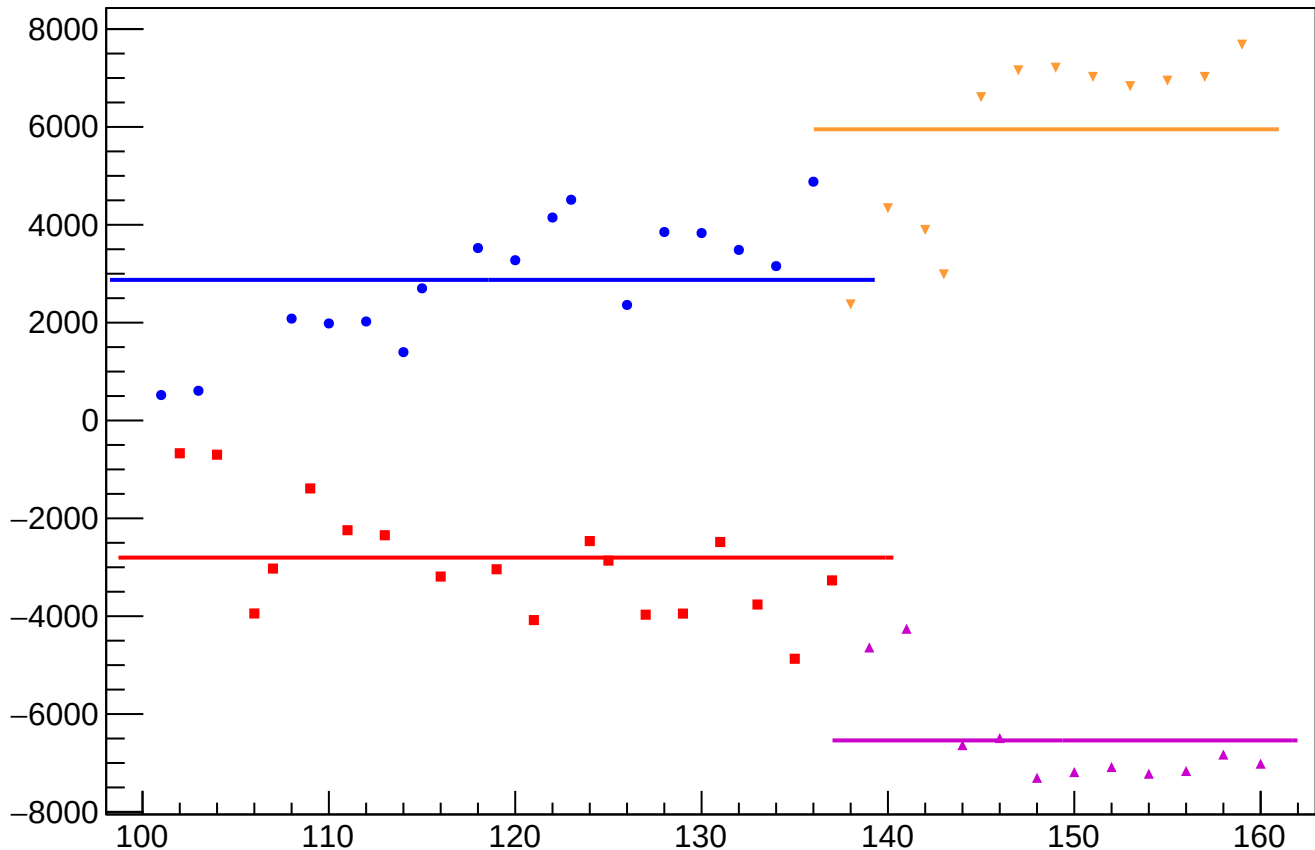
Right In: 2011.970+/-0.000 χ^2/NDF : 346652592308673178727003456260959895552.0/16
 Left Out: 3267.187+/-0.000 χ^2/NDF : 1365364759229998432134037030614341779456.0/11
 Right Out: -2482.921+/-0.000 χ^2/NDF : 5673812113008855047349052904680066121728.0/17
 Left In: -3255.280+/-0.000 χ^2/NDF : 418327011986445588651238941523934445568.0/10
 All: -137.276+/-0.000 χ^2/NDF : 34550109983

dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected



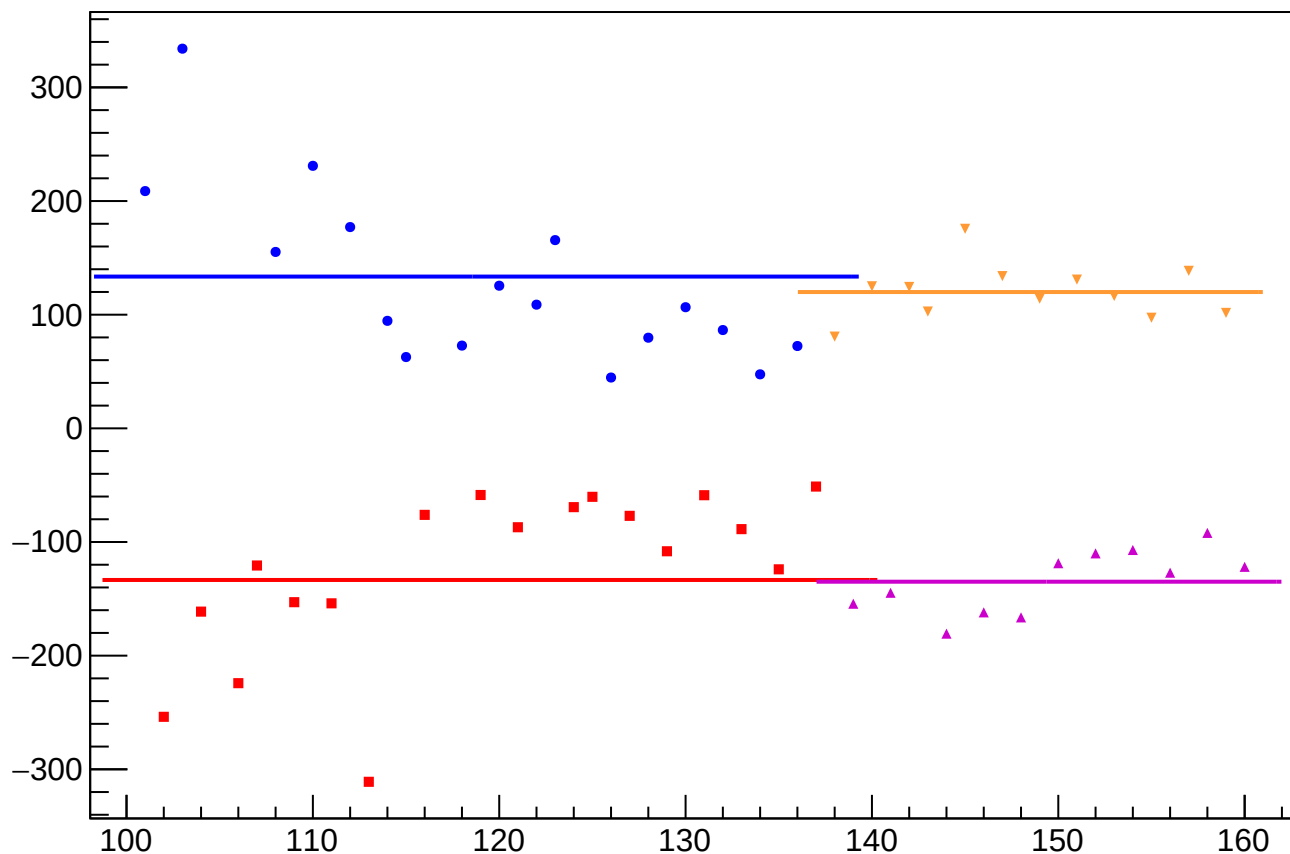
Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam1_coil1_mean vs Slug, Sign Corrected



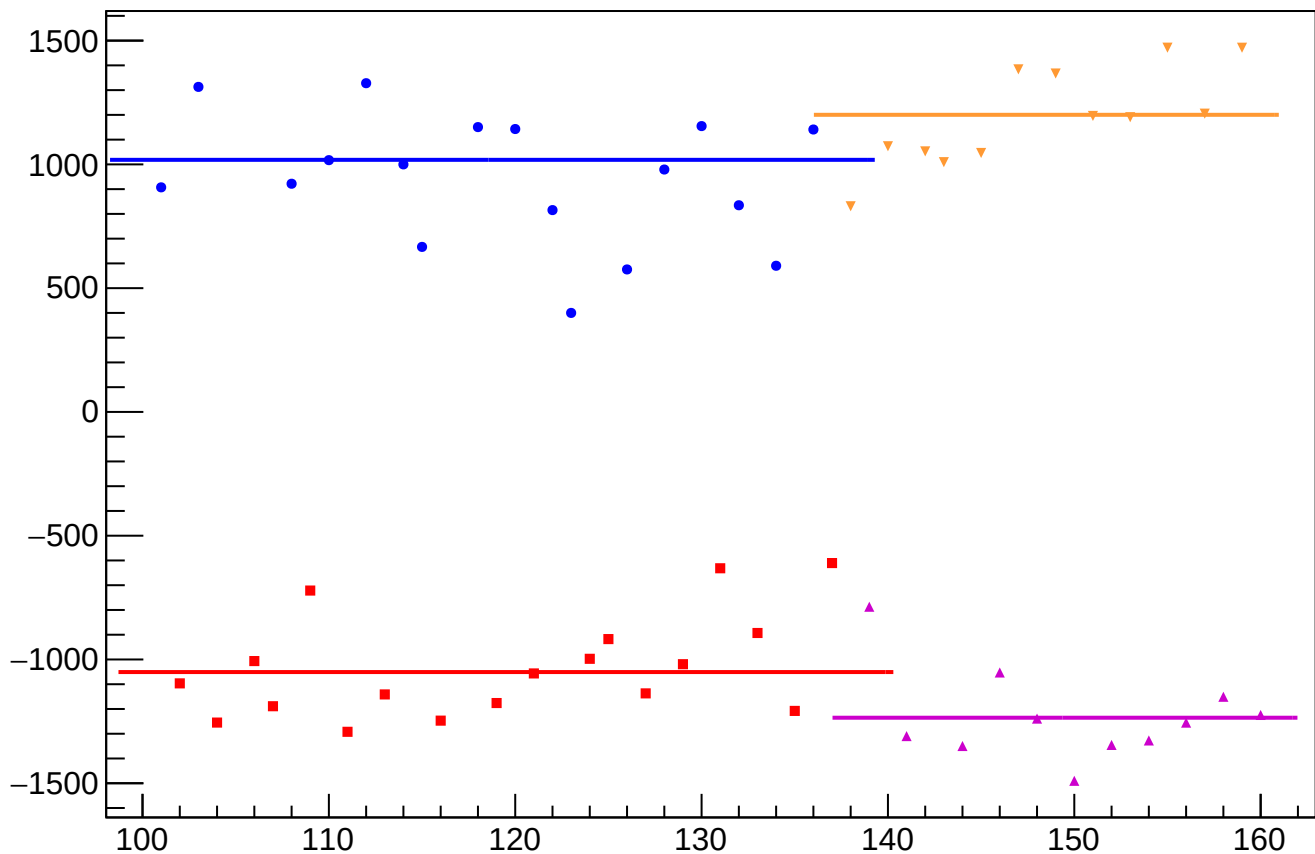
Right In: 2874.142 $\pm$ 0.000 χ^2 /NDF: 1331222919424099285024540359740568371200.0/16
 Left Out: 5952.071 $\pm$ 0.000 χ^2 /NDF: 2833818943109615822191848442455285301248.0/11
 Right Out: -2802.151 $\pm$ 0.000 χ^2 /NDF: 1095477572477657195402092119674444578816.0/17
 Left In: -6539.067 $\pm$ 0.000 χ^2 /NDF: 947421211454184627704546632992611631104.0/10
 All: -215.134 $\pm$ 0.000 χ^2 /NDF: 89502411249

dit_sam1_coil1_err_mean vs Slug, Sign Corrected



Right In: 133.542+/-0.000 χ^2/NDF : 4543635536863363524362136904007680000.0/16
 Left Out: 119.938+/-0.000 χ^2/NDF : 506287177502147090737971040893272064.0/11
 Right Out: -133.414+/-0.000 χ^2/NDF : 3923674220000100911612282920536899584.0/17
 Left In: -134.936+/-0.000 χ^2/NDF : 683742897306443646966443406983692288.0/10
 All: -6.024+/-0.000 χ^2/NDF : 6470622923911

dit_sam1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

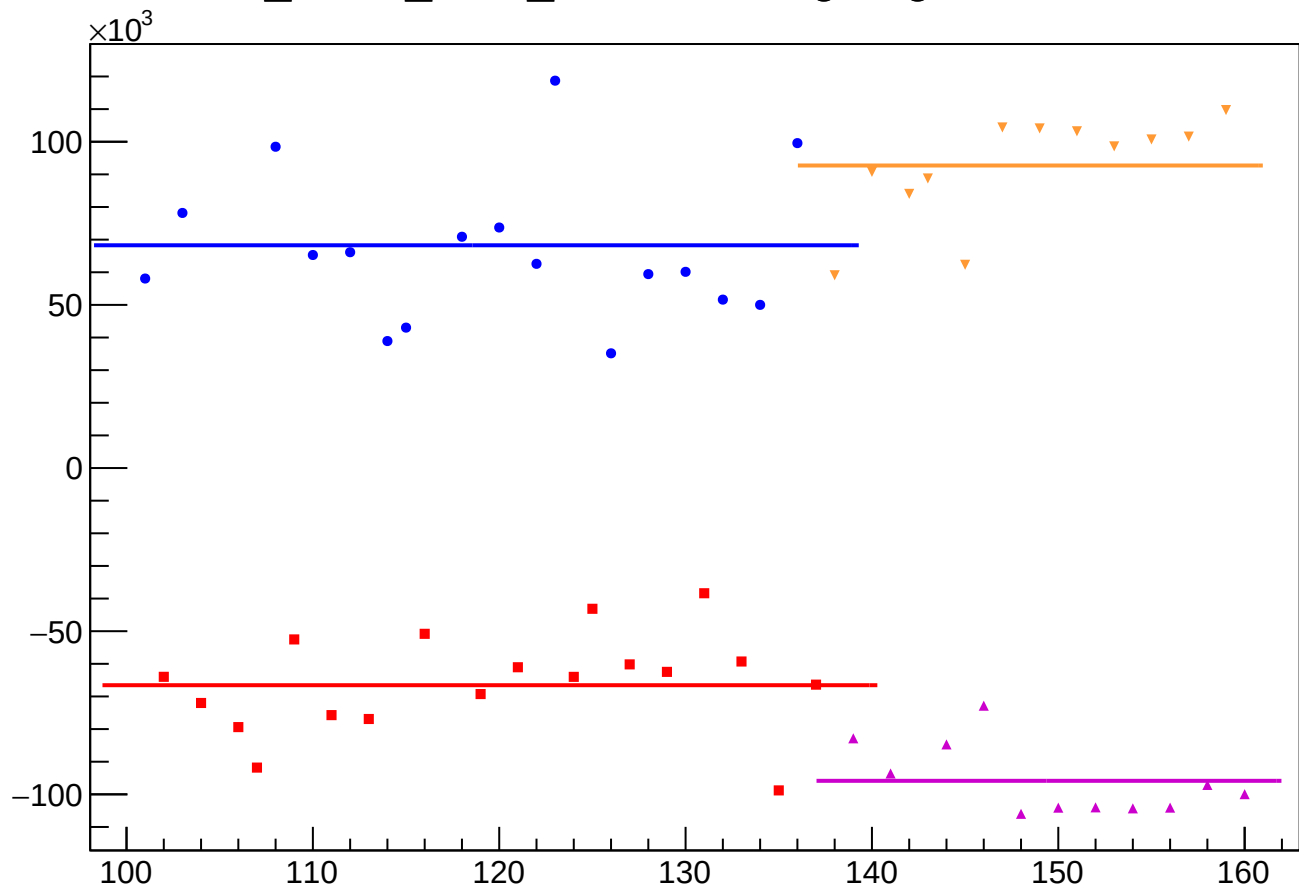
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

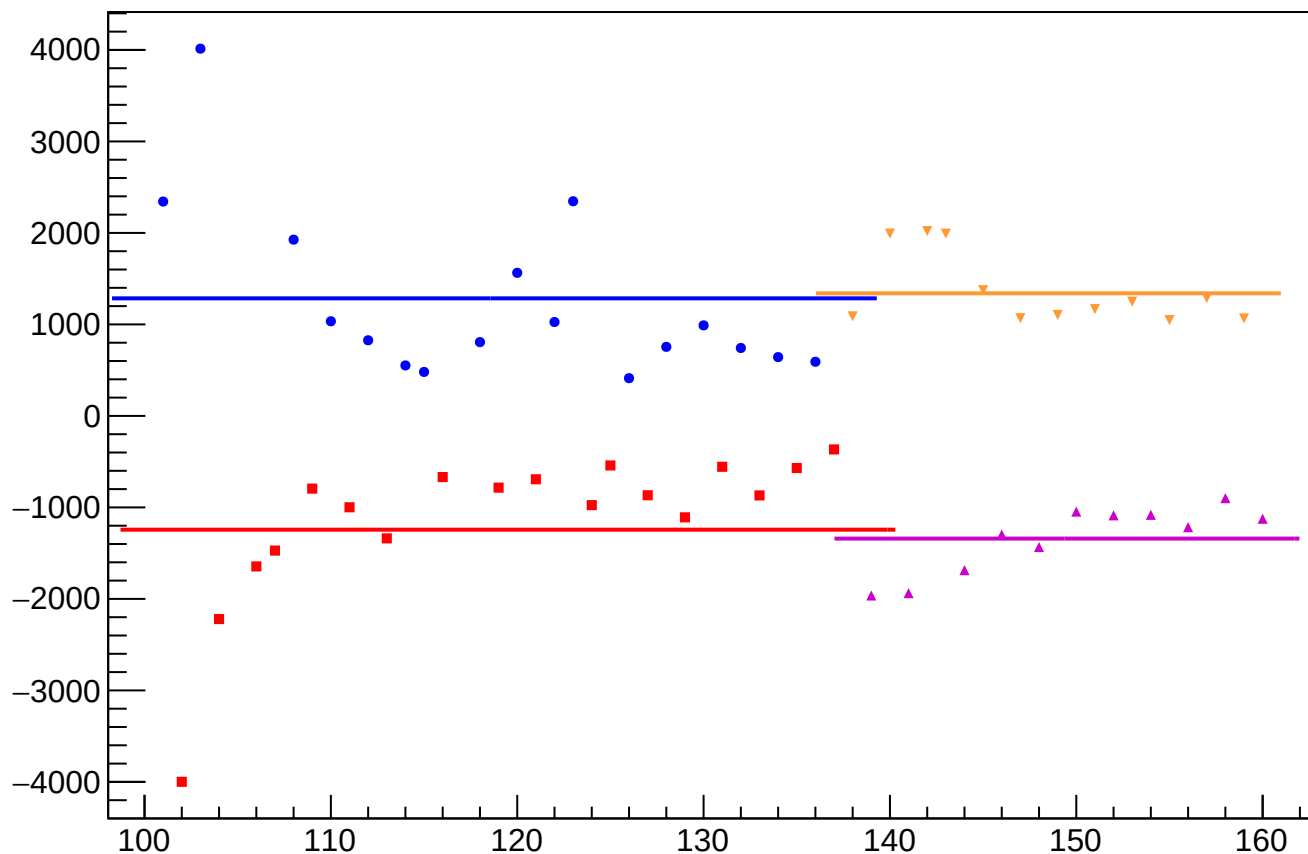
All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam2_coil1_mean vs Slug, Sign Corrected



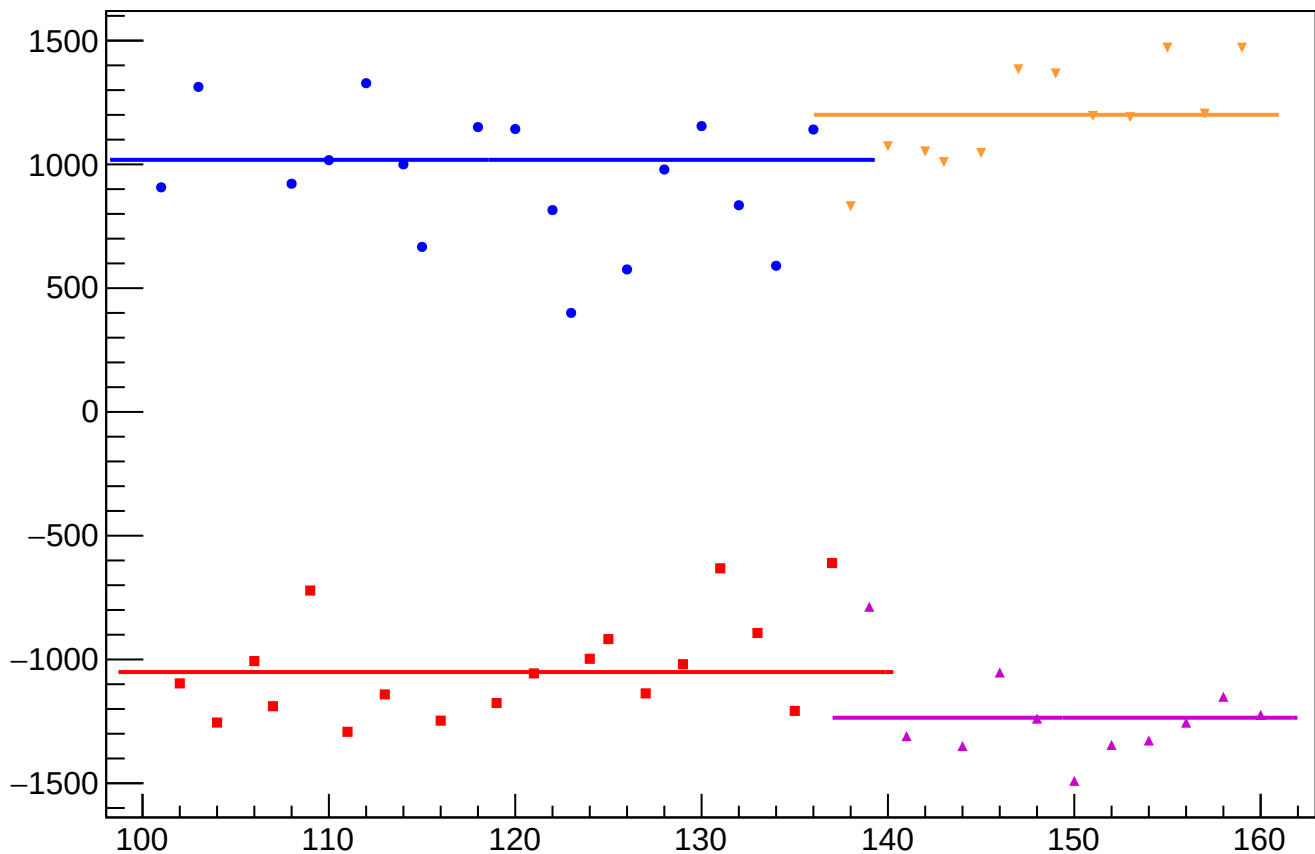
Left: -2797.941 ± 0.000 , $\chi^2/\text{NDF}: 16707940681272$
 Right: -145.312 ± 0.000 , $\chi^2/\text{NDF}: 67967527908987$
 In: -25847.702 ± 0.000 , $\chi^2/\text{NDF}: 11058608727071$
 Out: 22595.850 ± 0.000 , $\chi^2/\text{NDF}: 10544360205030$
 All: -1648.278 ± 0.000 , $\chi^2/\text{NDF}: 2351031089$

dit_sam2_coil1_err_mean vs Slug, Sign Corrected



Right In: 1284.940+/-0.000 χ^2/NDF : 683539831030777721568567692799915327488.0/16
 Left Out: 1340.000+/-0.000 χ^2/NDF : 116326245376352875631706190484755972096.0/11
 Right Out: -1243.357+/-0.000 χ^2/NDF : 625737092307119238017872949095807582208.0/17
 Left In: -1340.697+/-0.000 χ^2/NDF : 113497084889581869864754089979493220352.0/10
 All: -9.247+/-0.000 χ^2/NDF : 7099247907487

dit_sam2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

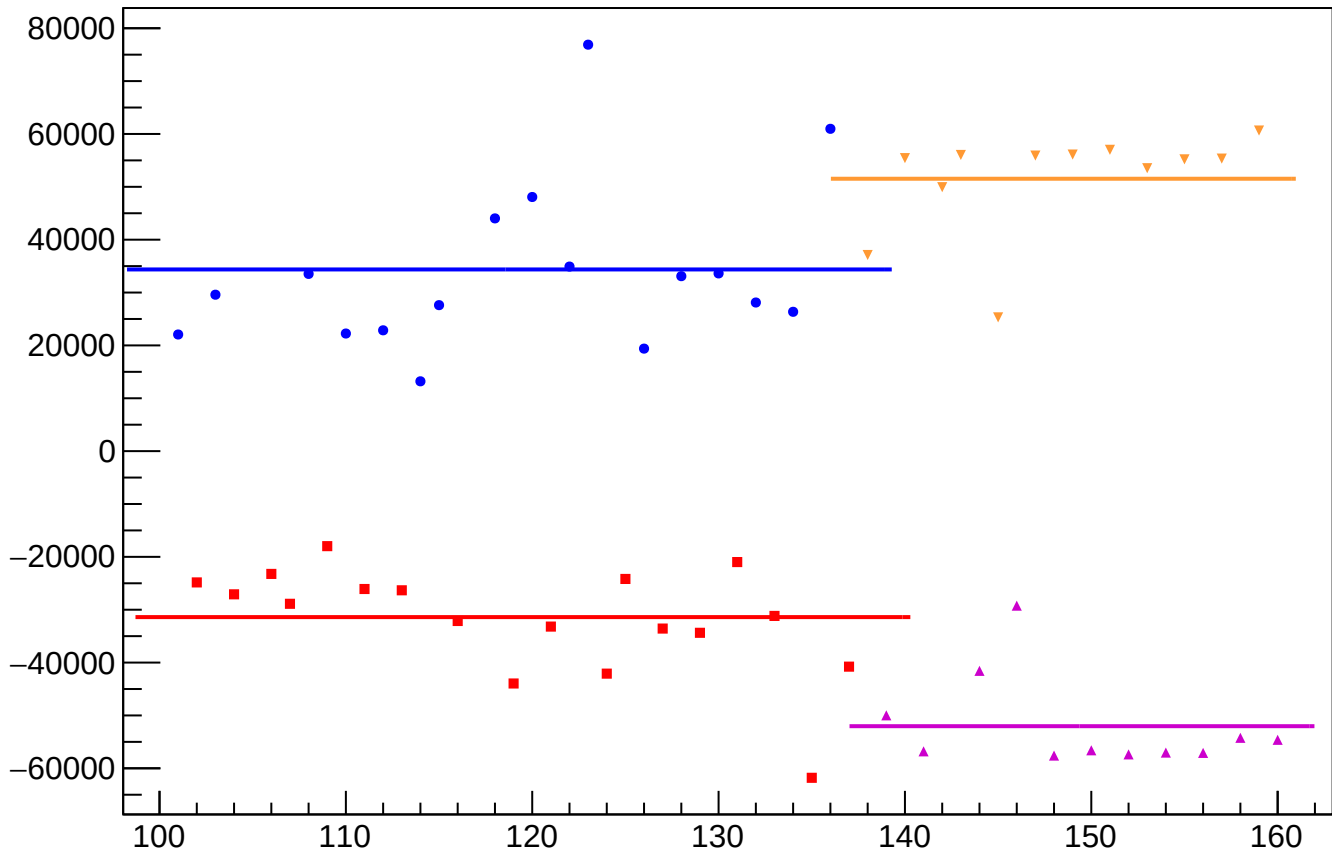
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam3_coil1_mean vs Slug, Sign Corrected



Right In: 34369.403+/-0.000

χ^2/NDF : 121175034584498762854553117020903178240000.0/16

Left Out: 51528.453+/-0.000

χ^2/NDF : 87309132481343179098596905129114857373696.0/11

Right Out: -31397.869+/-0.000

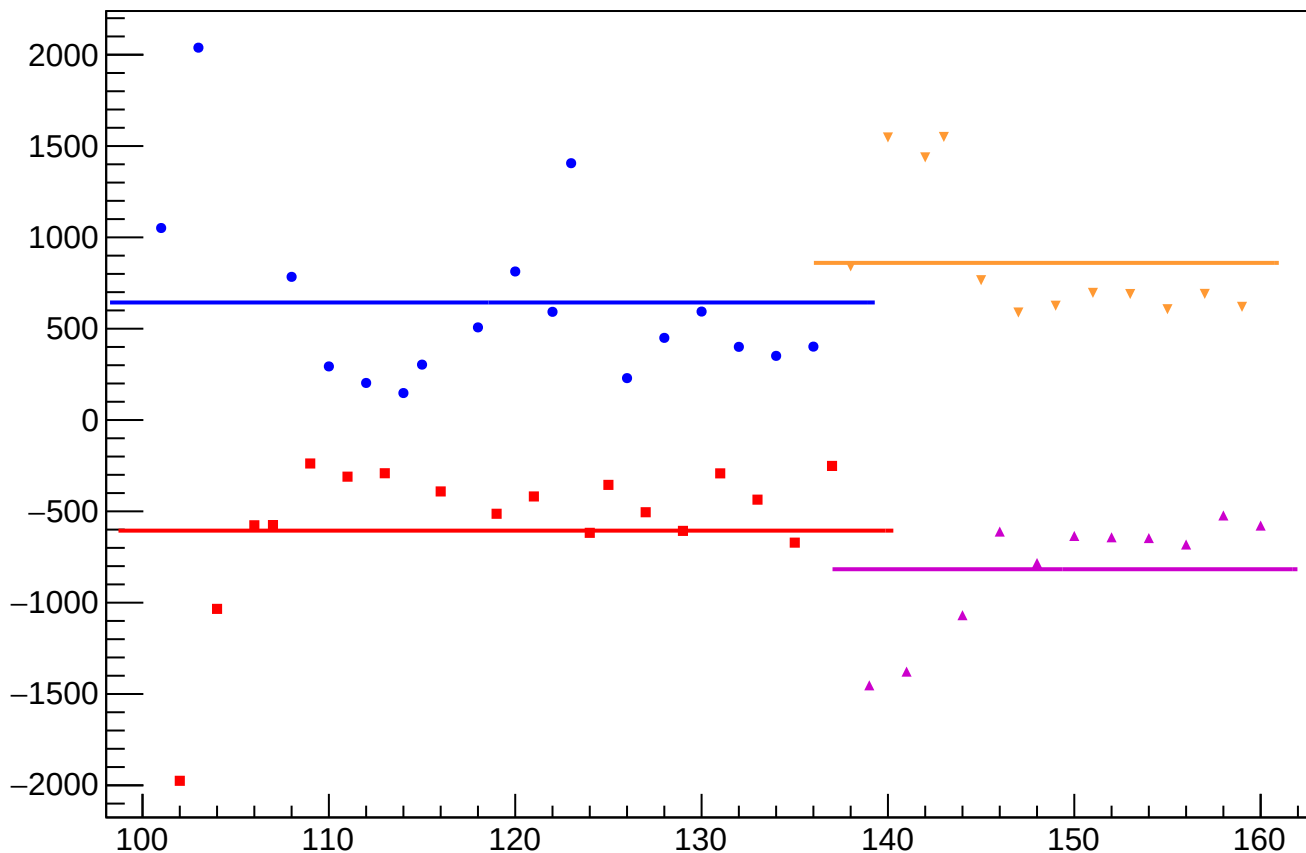
χ^2/NDF : 79791187049723357576303825736183029170176.0/17

Left In: -52033.522+/-0.000

χ^2/NDF : 67338083803269731476711249699025786503168.0/10

All: -93.824+/-0.000 χ^2/NDF : 681988773925

dit_sam3_coil1_err_mean vs Slug, Sign Corrected



Right In: 643.513+/-0.000

χ^2/NDF : 166606755510131009794947888972916850688.0/16

Left Out: 860.333+/-0.000

χ^2/NDF : 113447619211020210726400023771184365568.0/11

Right Out: -605.599+/-0.000

χ^2/NDF : 146641318103644748879900892058773094400.0/17

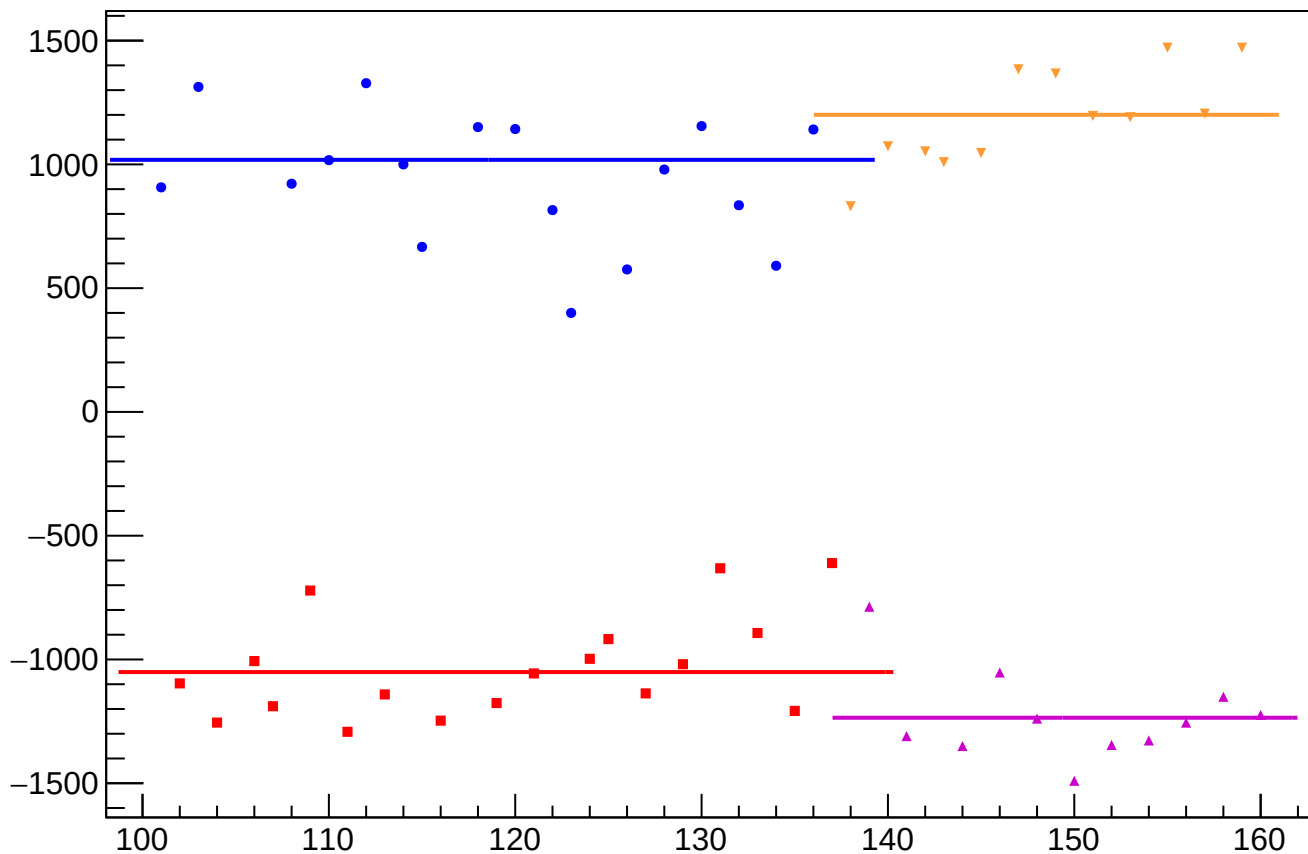
Left In: -816.958+/-0.000

χ^2/NDF : 90193686816714640570749106655187697664.0/10

All: 10.279+/-0.000

χ^2/NDF : 2361685161076

dit_sam3_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

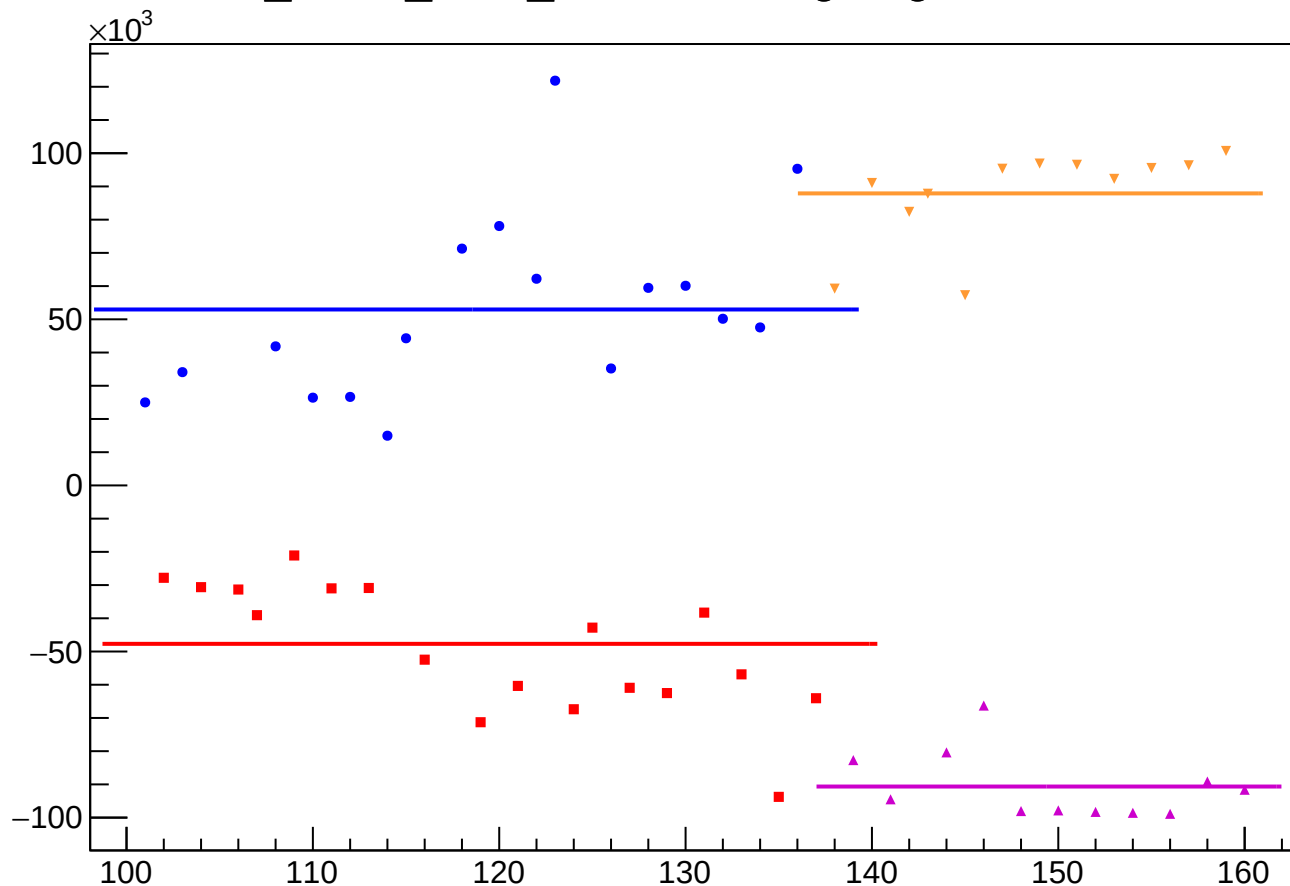
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

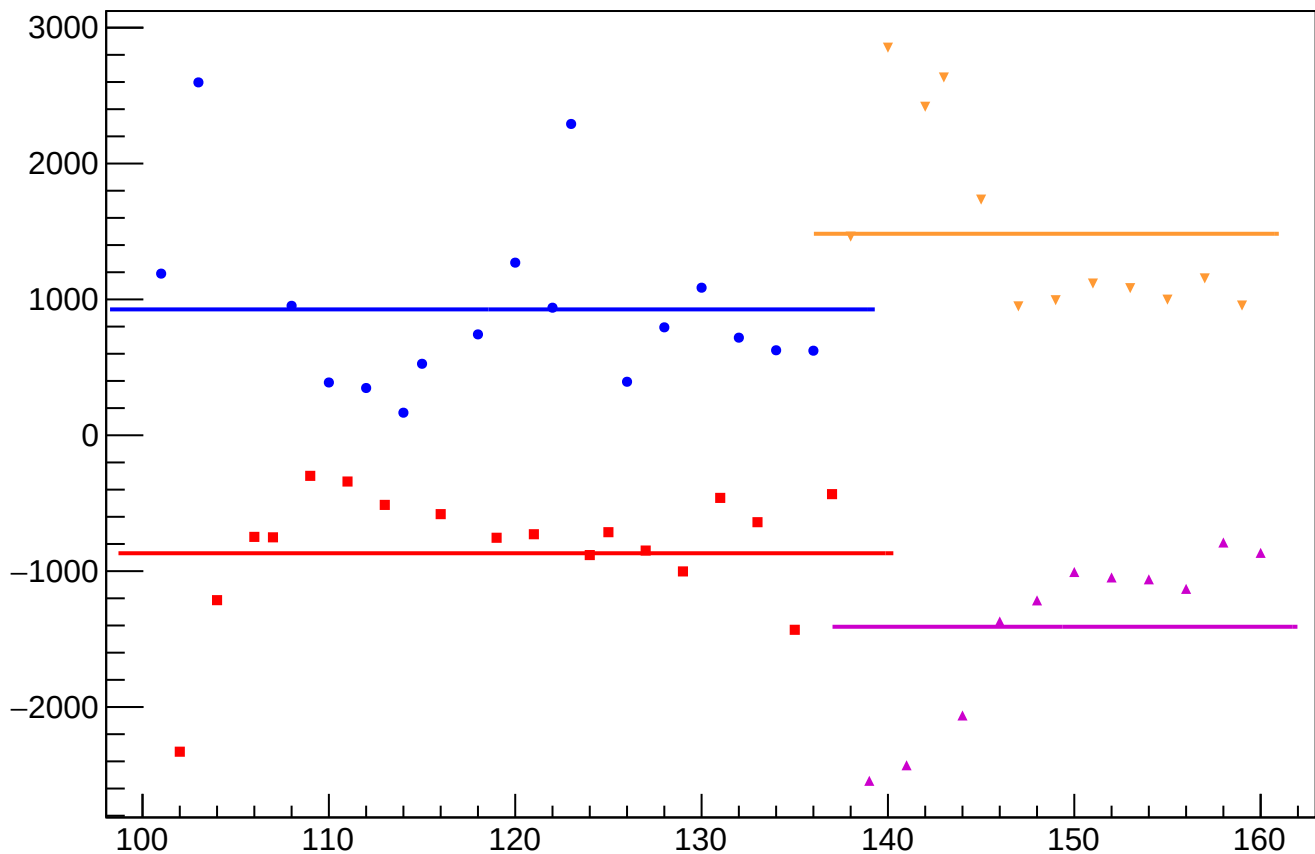
All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam4_coil1_mean vs Slug, Sign Corrected



Right In: 52960.923+/-0.000	χ^2/NDF : 388091282862865702902242590456549457526784.0/16	Left: -2533.049+/-0.000	χ^2/NDF : 14949275385074
Left Out: 87902.834+/-0.000	χ^2/NDF : 181078064018170990794226695799487636439040.0/11	Right: 1885.428+/-0.000	χ^2/NDF : 42386131622338
Right Out: -47689.948+/-0.000	χ^2/NDF : 282811495062805394257124892434373518819328.0/17	In: -29388.243+/-0.000	χ^2/NDF : 86857312555297
Left In: -90642.606+/-0.000	χ^2/NDF : 90652199115187667262863496655433124282368.0/10	Out: 28205.273+/-0.000	χ^2/NDF : 78218430465247
	All: -618.058+/-0.000		χ^2/NDF : 19203474335

dit_sam4_coil1_err_mean vs Slug, Sign Corrected



Right In: 926.486+/-0.000

χ^2/NDF : 243573676873909042150690872266806263808.0/16

Left Out: 1483.109+/-0.000

χ^2/NDF : 403083502170691493450426839772184969216.0/11

Right Out: -868.248+/-0.000

χ^2/NDF : 197961184826469333991871261895452262400.0/17

Left In: -1409.297+/-0.000

χ^2/NDF : 332711527563971352496330414058593320960.0/10

Left: 18.063+/-0.000 χ^2/NDF : 45876902974728877

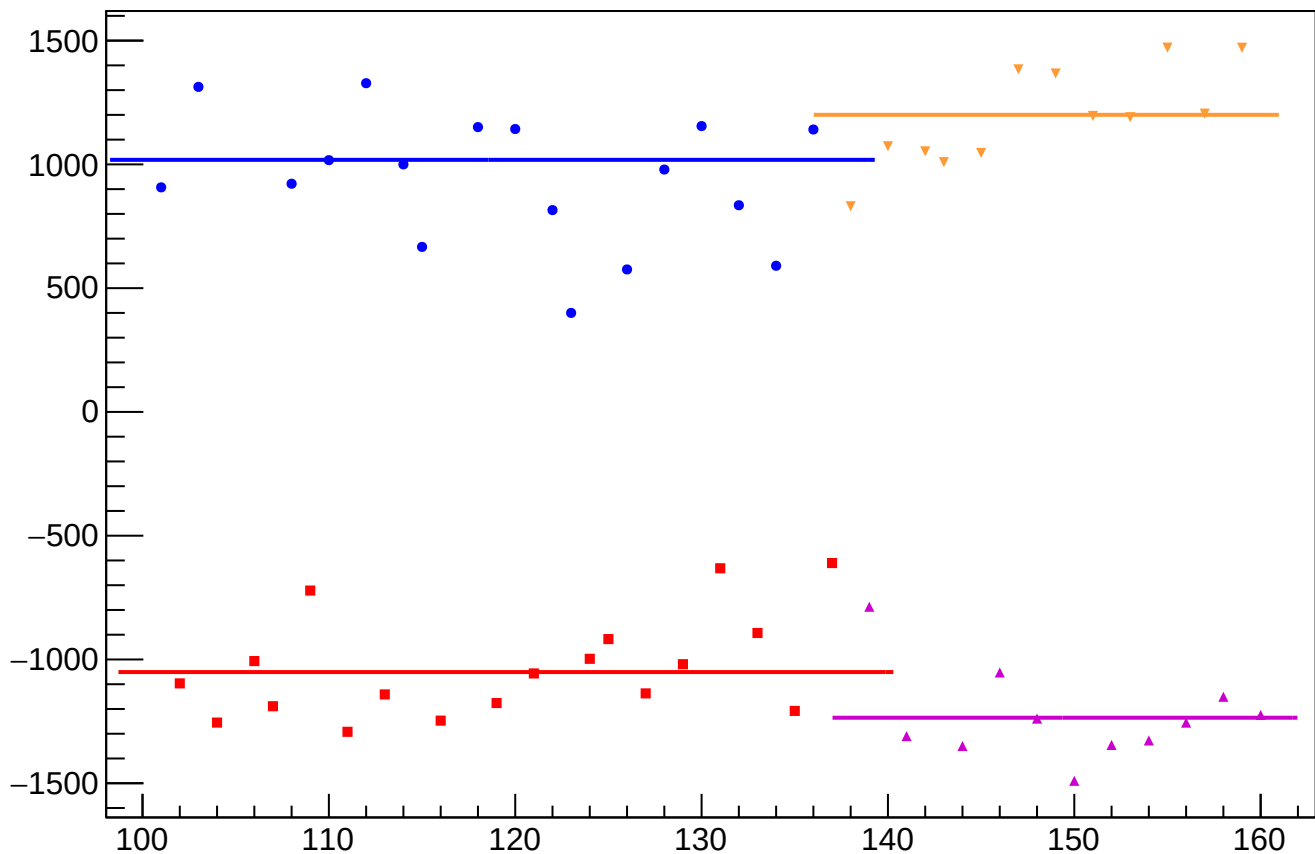
Right: 15.744+/-0.000 χ^2/NDF : 1575904926167243

In: -412.964+/-0.000 χ^2/NDF : 2747579361568362

Out: 447.875+/-0.000 χ^2/NDF : 2813737108155417

All: 17.058+/-0.000 χ^2/NDF : 6163599514436

dit_sam4_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

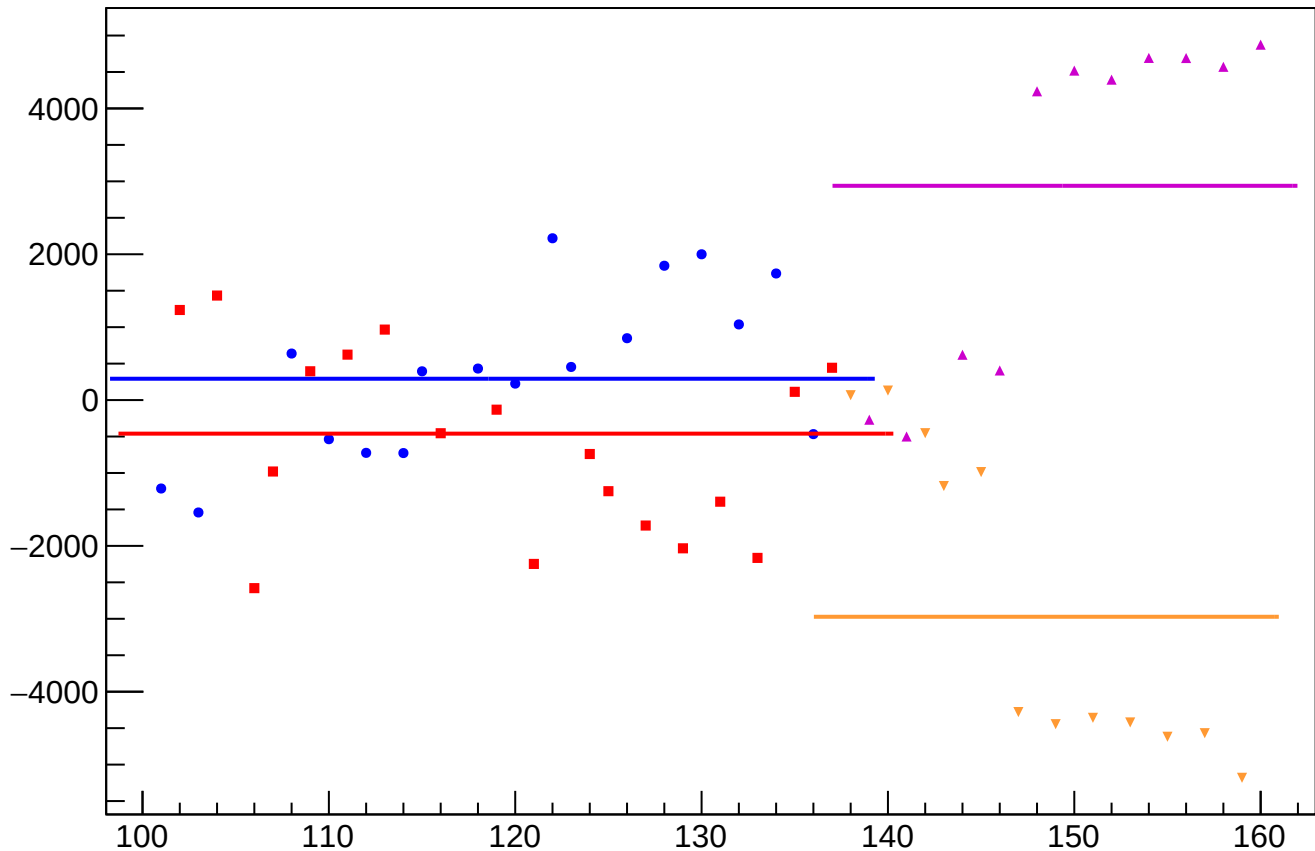
χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

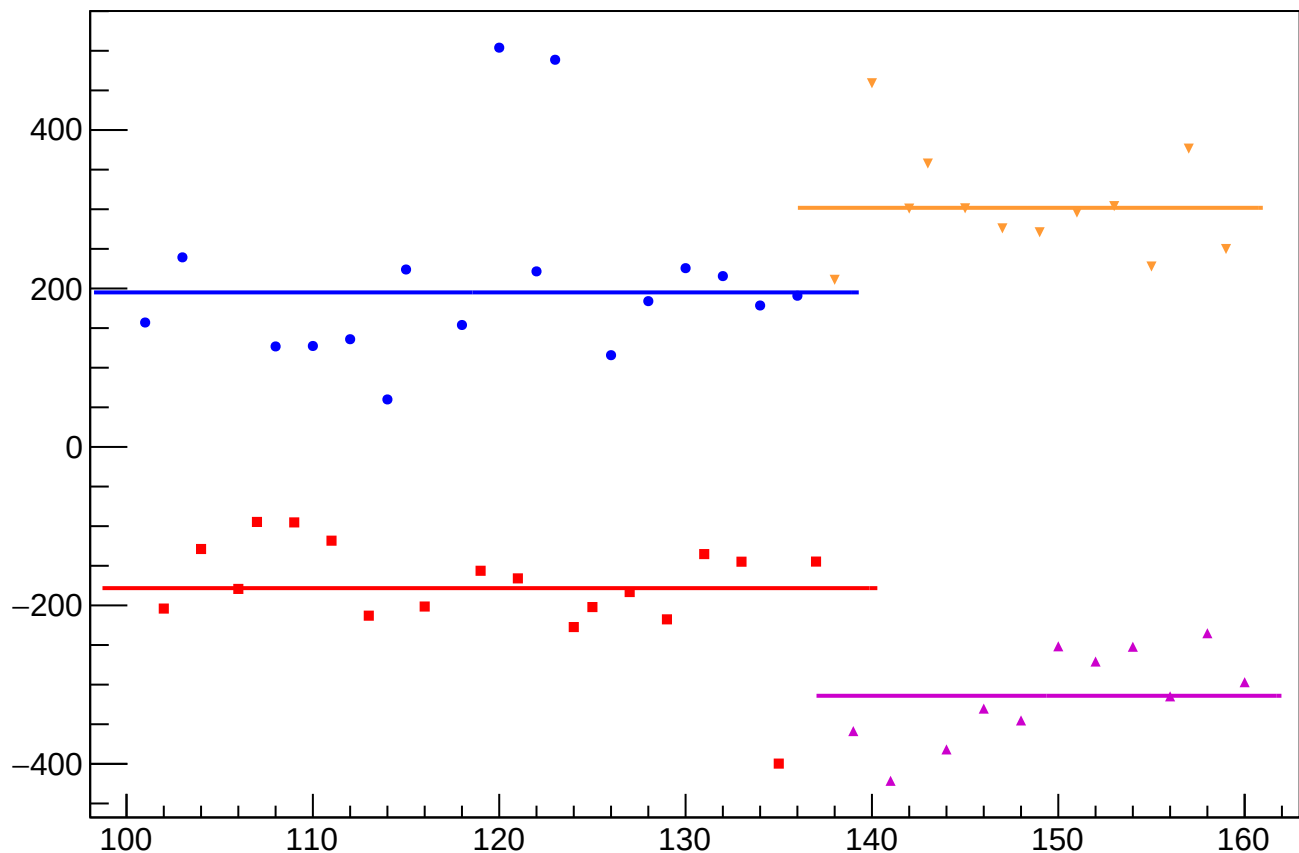
Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514
 Right: -31.639+/-0.000 χ^2/NDF : 156759750862946
 In: -273.986+/-0.000 χ^2/NDF : 2083200596416121
 Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam5_coil1_mean vs Slug, Sign Corrected



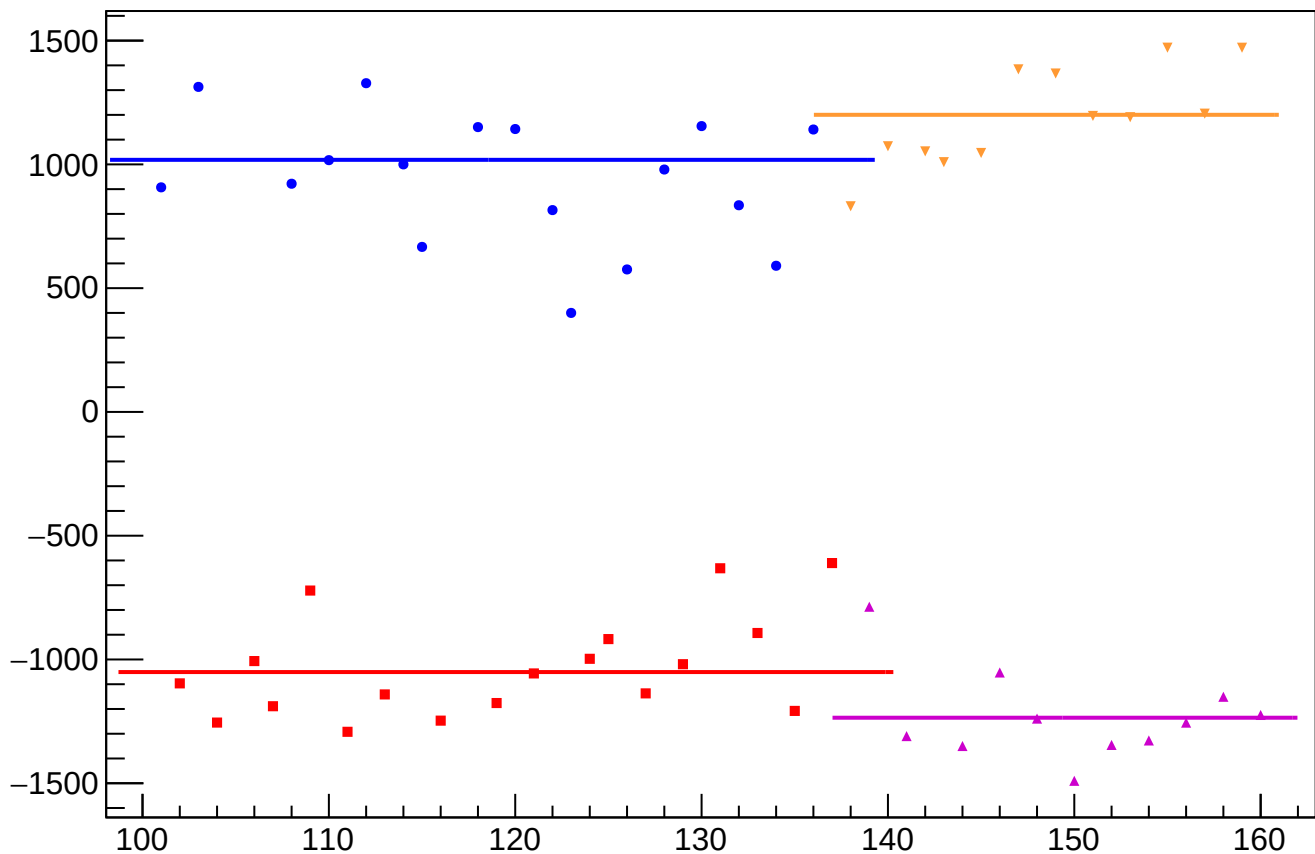
Right In: 292.624+/-0.000 χ^2/NDF : 992224758361668568621384832231814463488.0/16
 Left Out: -2972.256+/-0.000 χ^2/NDF : 3761676179645694438437077561605877661696.0/11
 Right Out: -460.444+/-0.000 χ^2/NDF : 1195390620297922800798852366593102446592.0/17
 Left In: 2938.958+/-0.000 χ^2/NDF : 4448330371719931217957339295057738465280.0/10
 All: -26.413+/-0.000 χ^2/NDF : 266955138197

dit_sam5_coil1_err_mean vs Slug, Sign Corrected



Right In: 195.049+/-0.000 χ^2/NDF : 5080024494184824251769530857650388992.0/16
 Left Out: 301.805+/-0.000 χ^2/NDF : 4084053009607102608824389490062655488.0/11
 Right Out: -178.222+/-0.000 χ^2/NDF : 3636798558444840391154572885518974976.0/17
 Left In: -314.075+/-0.000 χ^2/NDF : 3038378746515633770905831871124340736.0/10
 All: -3.309+/-0.000 χ^2/NDF : 2397479311917

dit_sam5_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

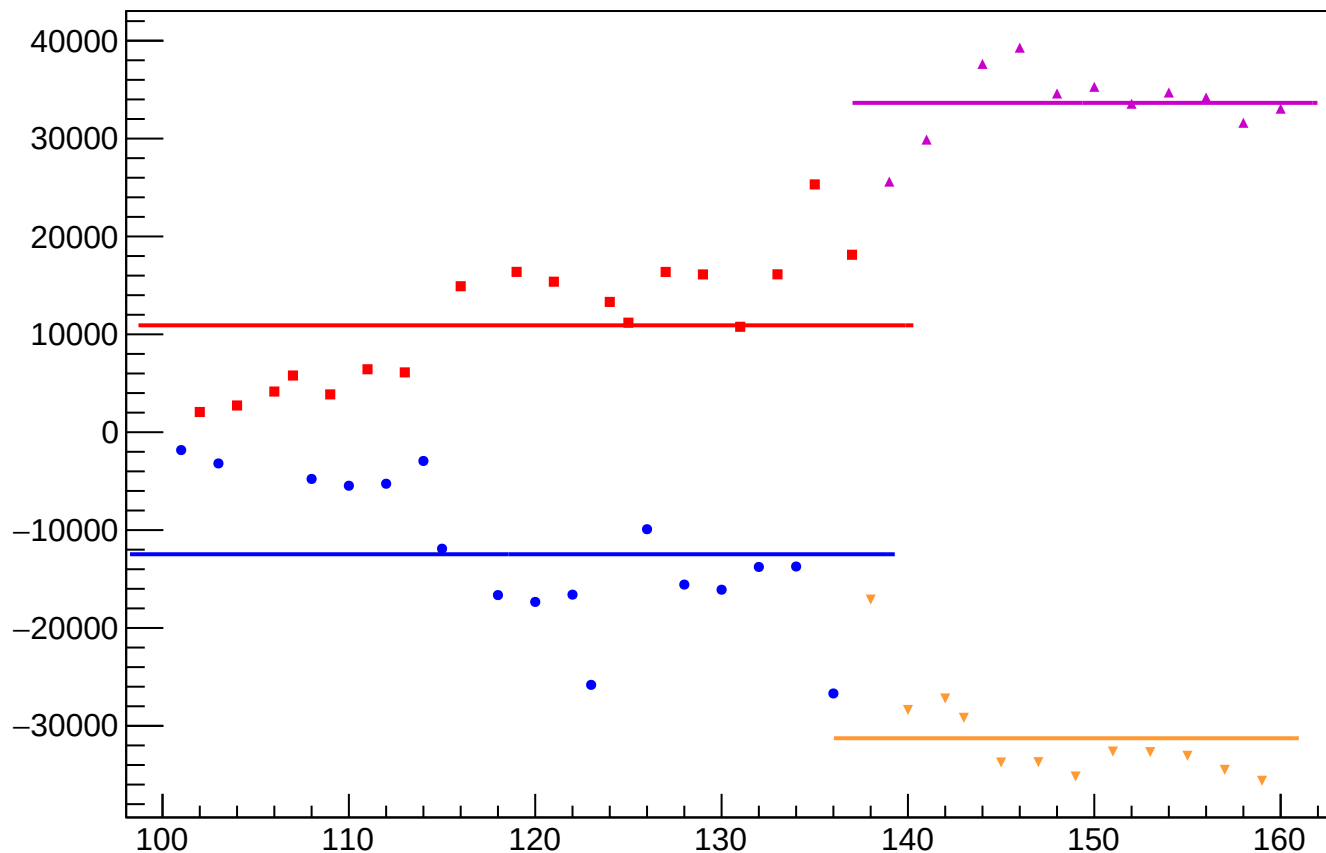
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

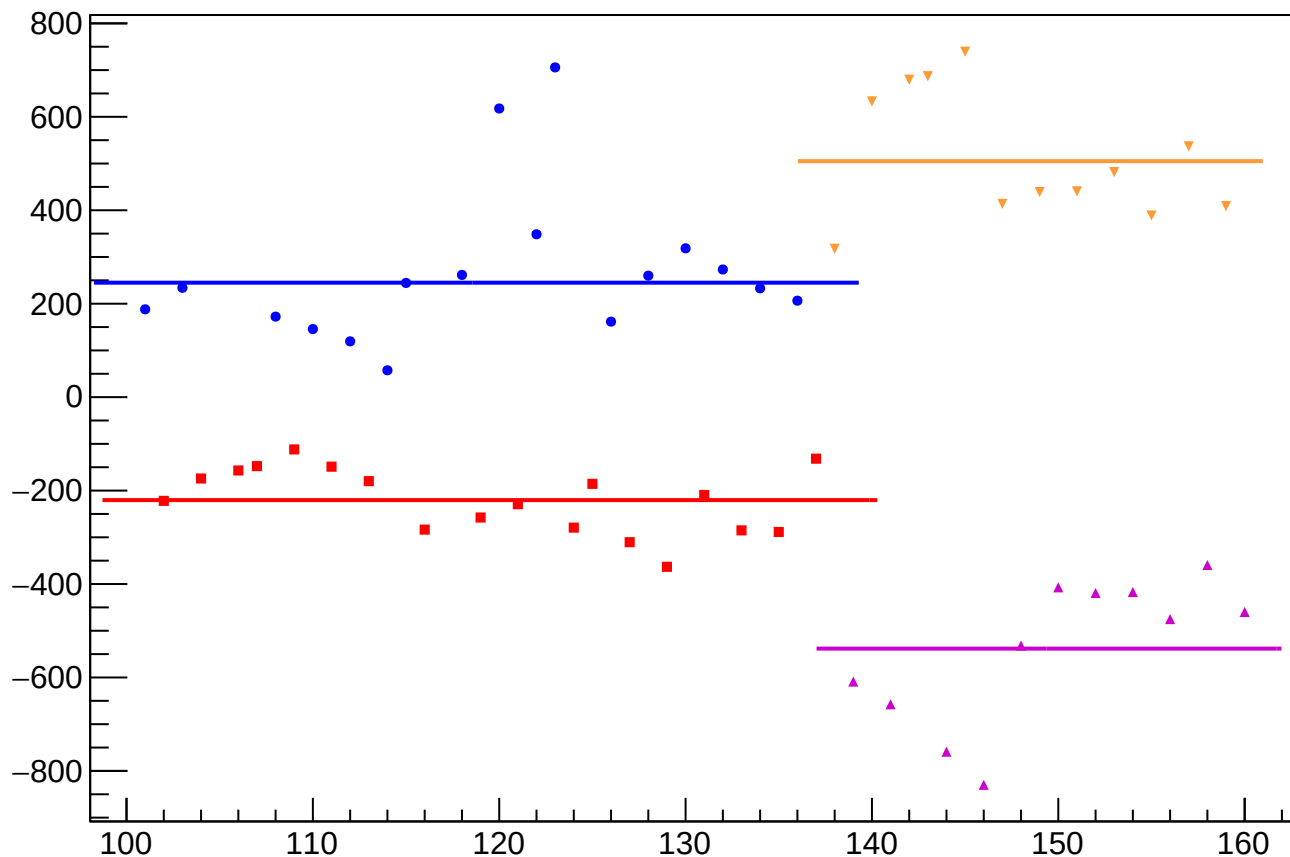
All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam6_coil1_mean vs Slug, Sign Corrected



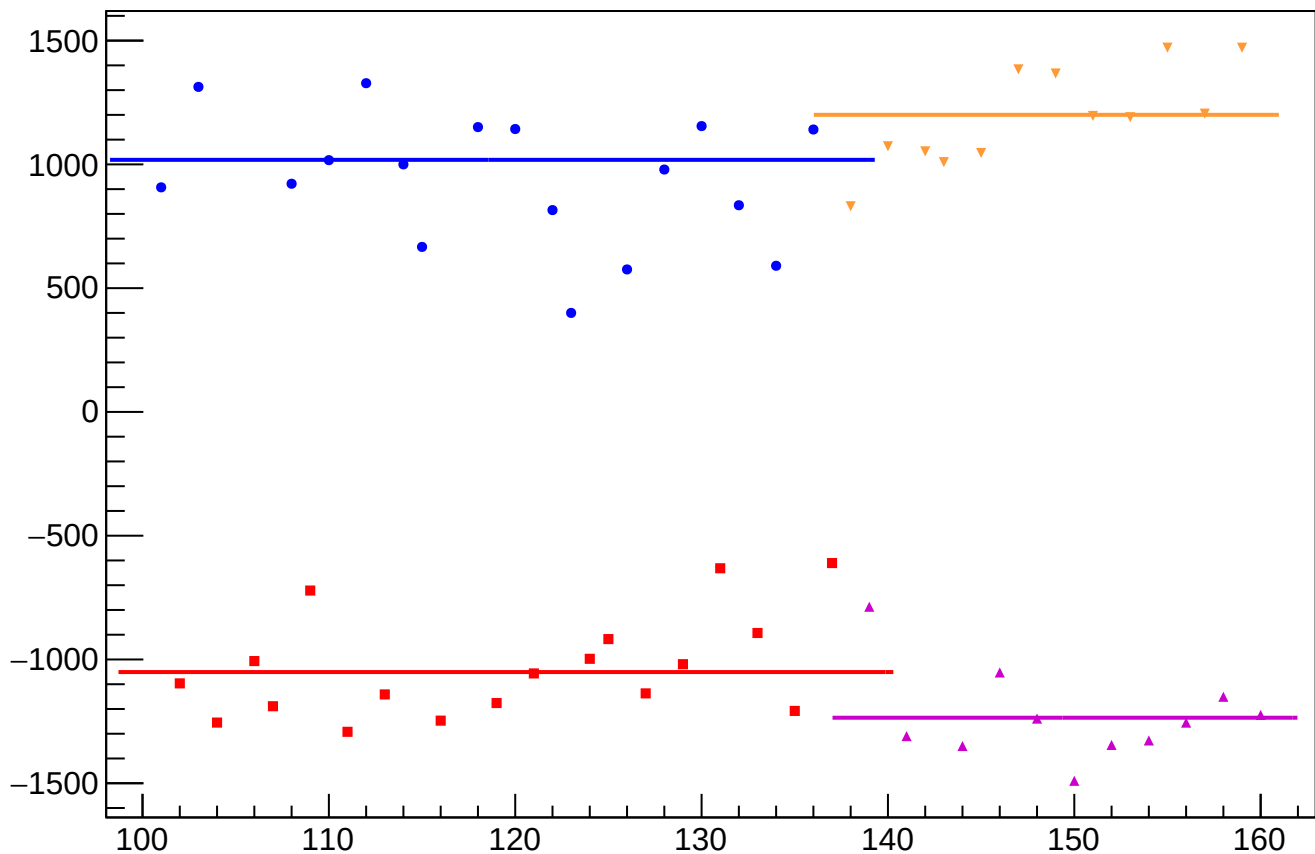
Right In: -12468.200+/-0.000 χ^2/NDF : 41947810781860597740124287766684235726848.0/16
 Left Out: -31267.411+/-0.000 χ^2/NDF : 22472352508992692811157309504314979385344.0/11
 Right Out: 10920.089+/-0.000 χ^2/NDF : 32165705228240657588124121675327793528832.0/17
 Left In: 33648.648+/-0.000 χ^2/NDF : 11296625028325119552839806860927105499136.0/10
 All: 654.274+/-0.000 χ^2/NDF : 224469662532

dit_sam6_coil1_err_mean vs Slug, Sign Corrected



Right In: 244.994 $\pm$ 0.000 χ^2 /NDF: 8873183370170999334634045001787506688.0/16
 Left Out: 505.129 $\pm$ 0.000 χ^2 /NDF: 15272519684305825551143996818058117120.0/11
 Right Out: -220.353 $\pm$ 0.000 χ^2 /NDF: 3356691284213126680510243475038404608.0/17
 Left In: -538.207 $\pm$ 0.000 χ^2 /NDF: 20524569412911645618745037593493110784.0/10
 All: -9.385 $\pm$ 0.000 χ^2 /NDF: 6263080499592

dit_sam6_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

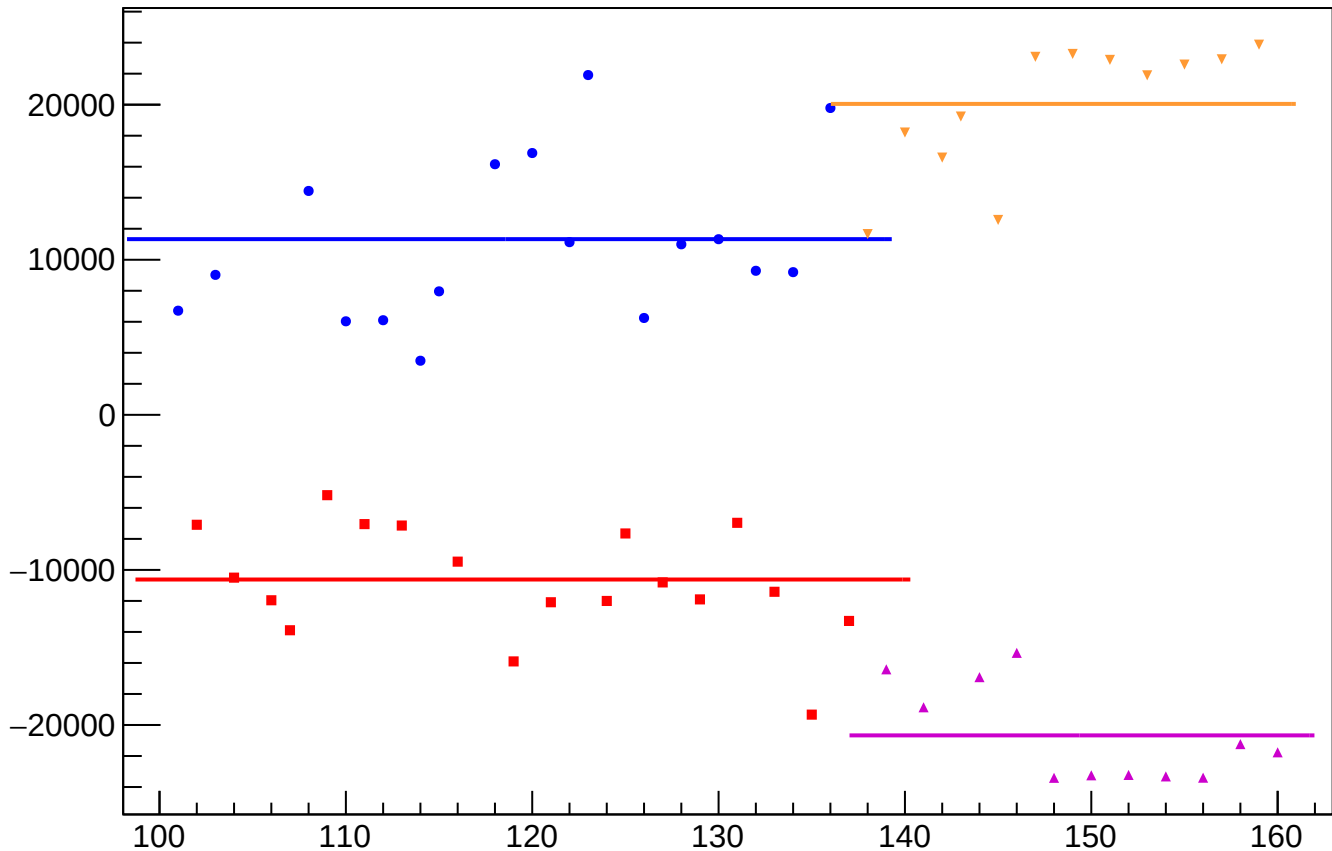
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam7_coil1_mean vs Slug, Sign Corrected



Right In: 11329.210+/-0.000

Left: -575.604+/-0.000 χ^2/NDF : 787490977590179

Left Out: 20050.081+/-0.000

Right: 191.453+/-0.000 χ^2/NDF : 195245861840049

Right Out: -10619.182+/-0.000

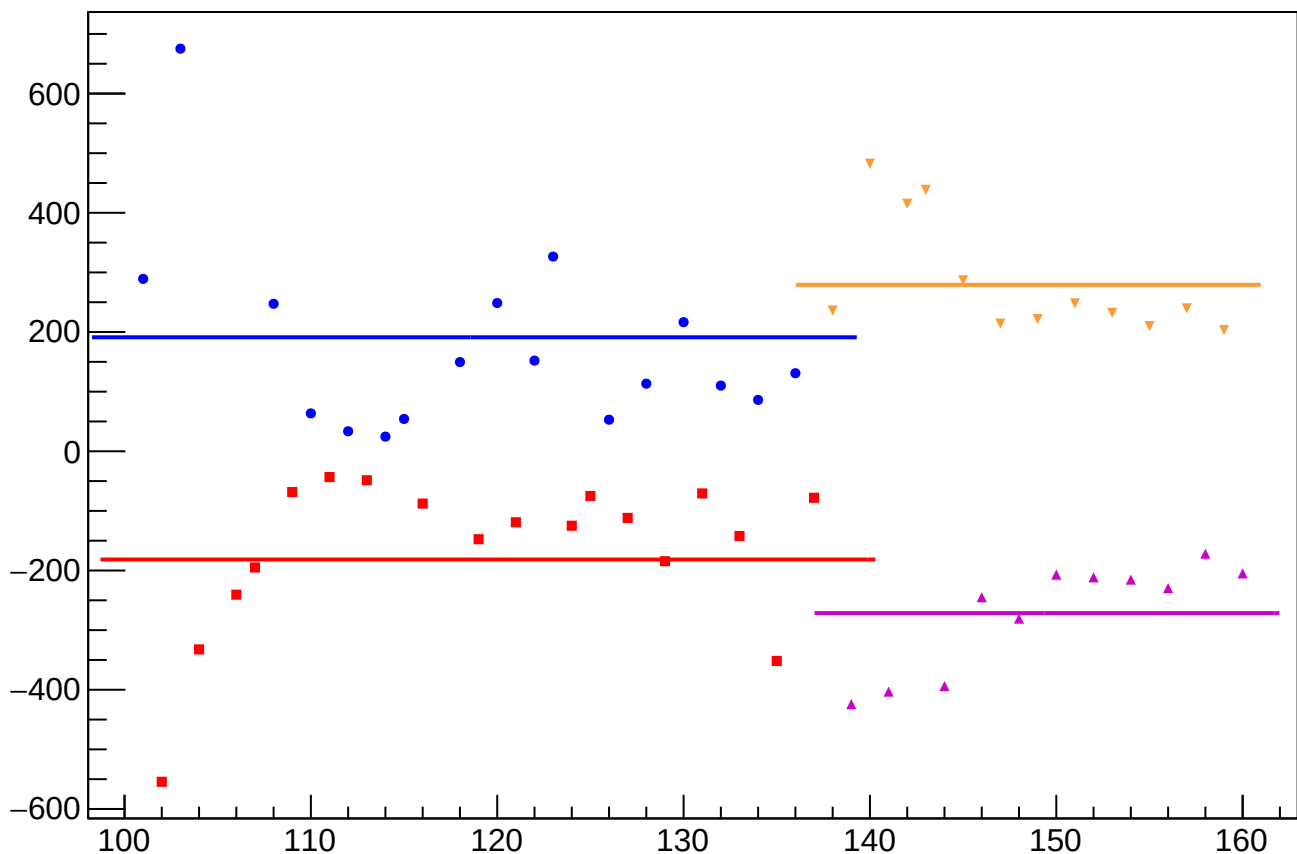
In: -7021.091+/-0.000 χ^2/NDF : 431539395556195

Left In: -20670.726+/-0.000

Out: 6547.296+/-0.000 χ^2/NDF : 402039102823290

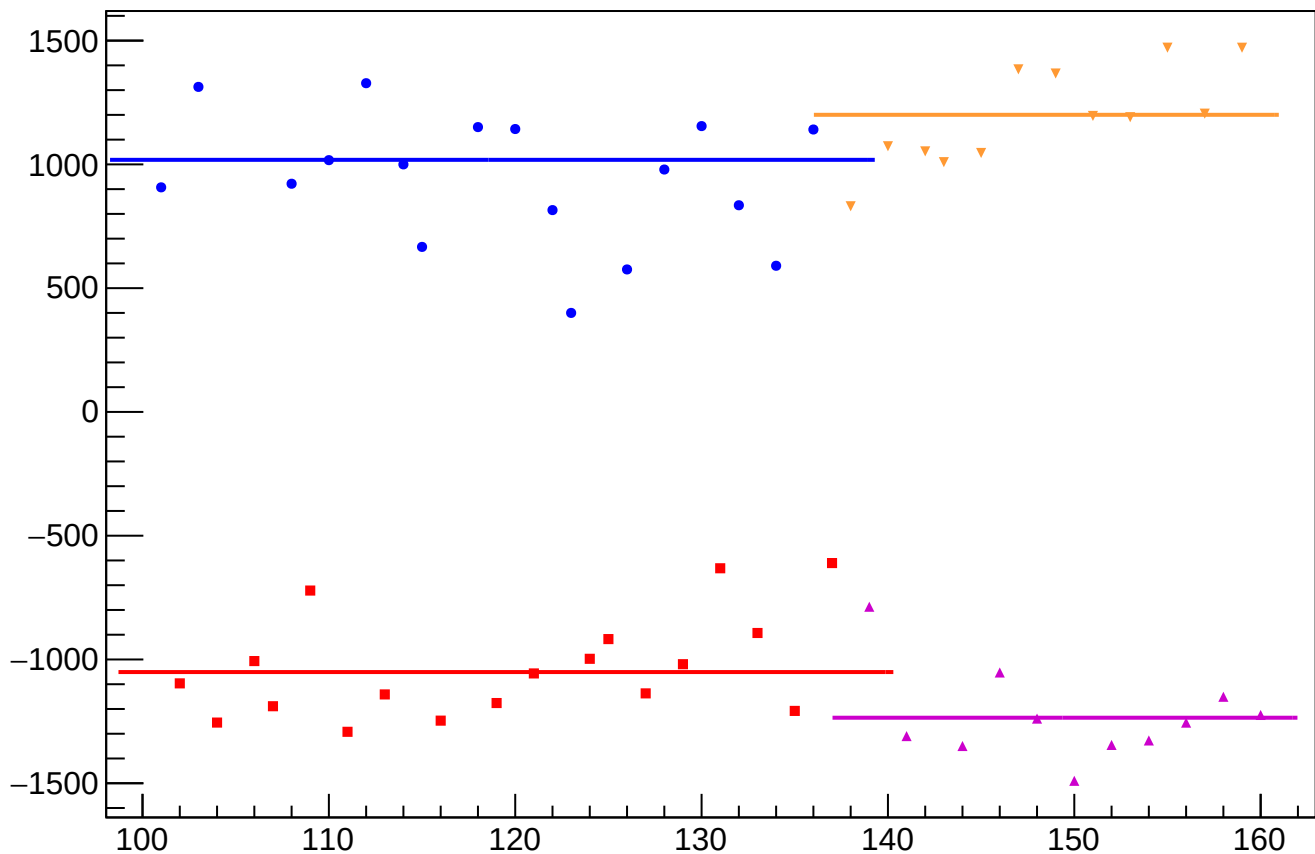
All: -243.158+/-0.000 χ^2/NDF : 98320655990

dit_sam7_coil1_err_mean vs Slug, Sign Corrected



Right In: 191.191+/-0.000 χ^2/NDF : 19183697593820495387775377202474909696.0/16
 Left Out: 279.165+/-0.000 χ^2/NDF : 7920210699485411791931517458268028928.0/11
 Right Out: -181.551+/-0.000 χ^2/NDF : 14852803264995019247576775913608577024.0/17
 Left In: -271.426+/-0.000 χ^2/NDF : 7049081855860572674907173749109293056.0/10
 All: 1.045+/-0.000 χ^2/NDF : 2375146315916

dit_sam7_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

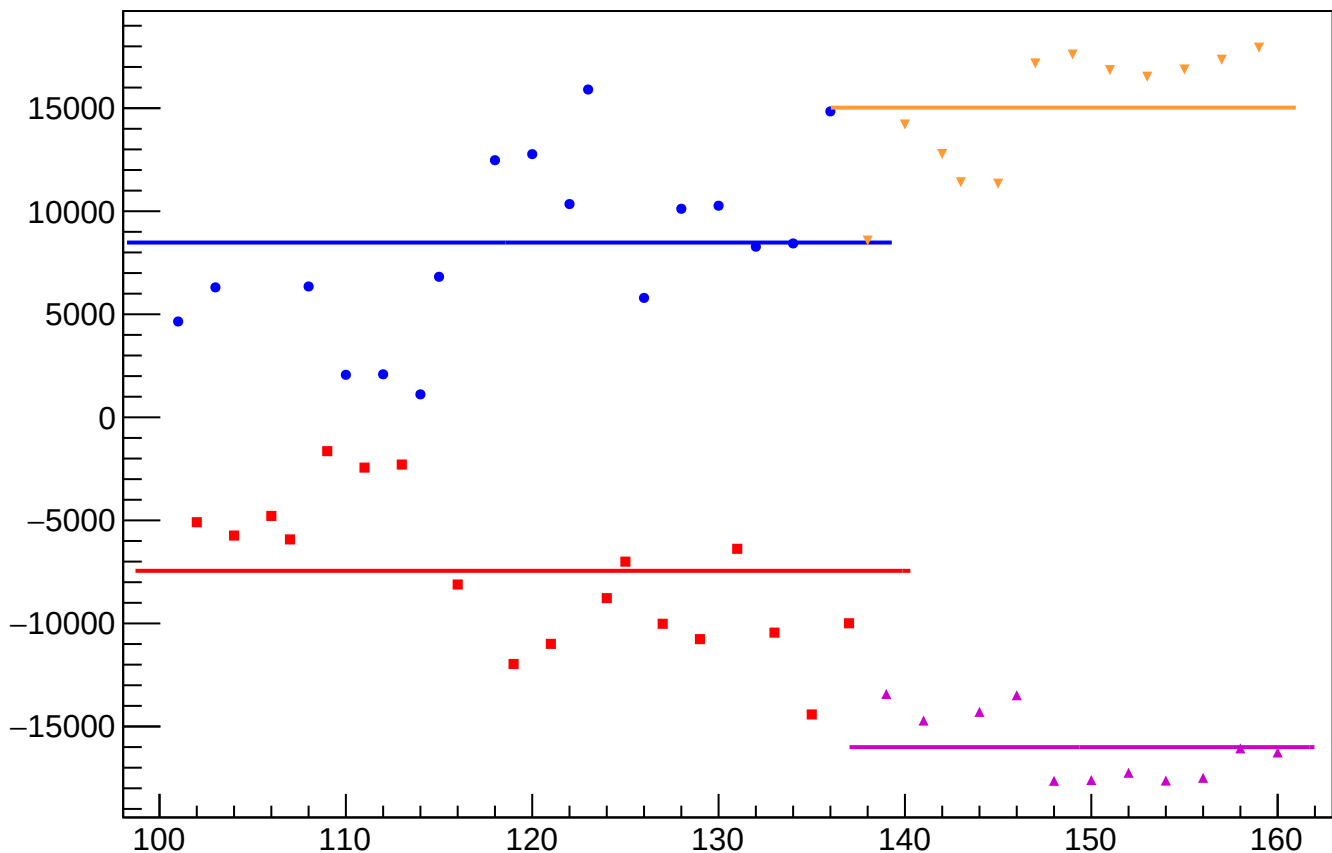
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

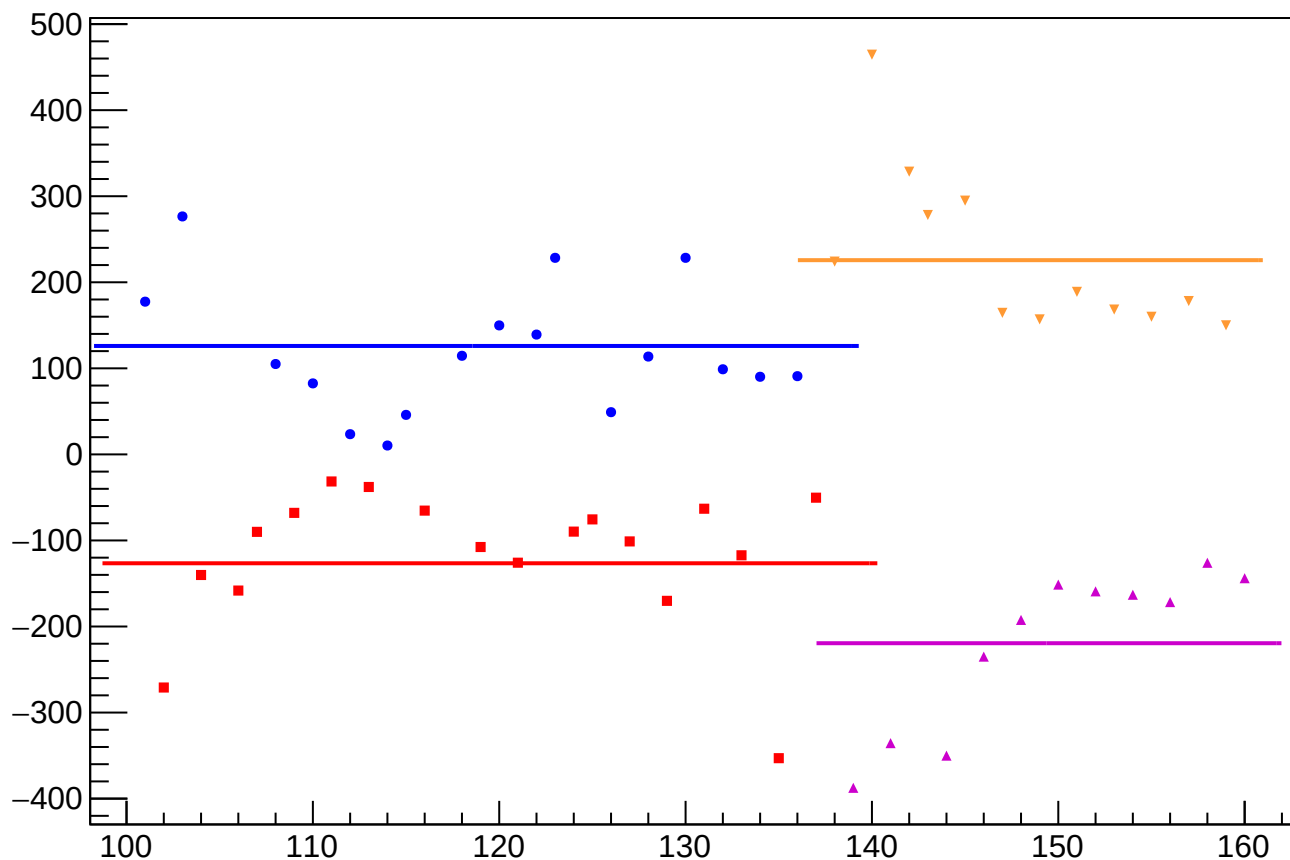
All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam8_coil1_mean vs Slug, Sign Corrected



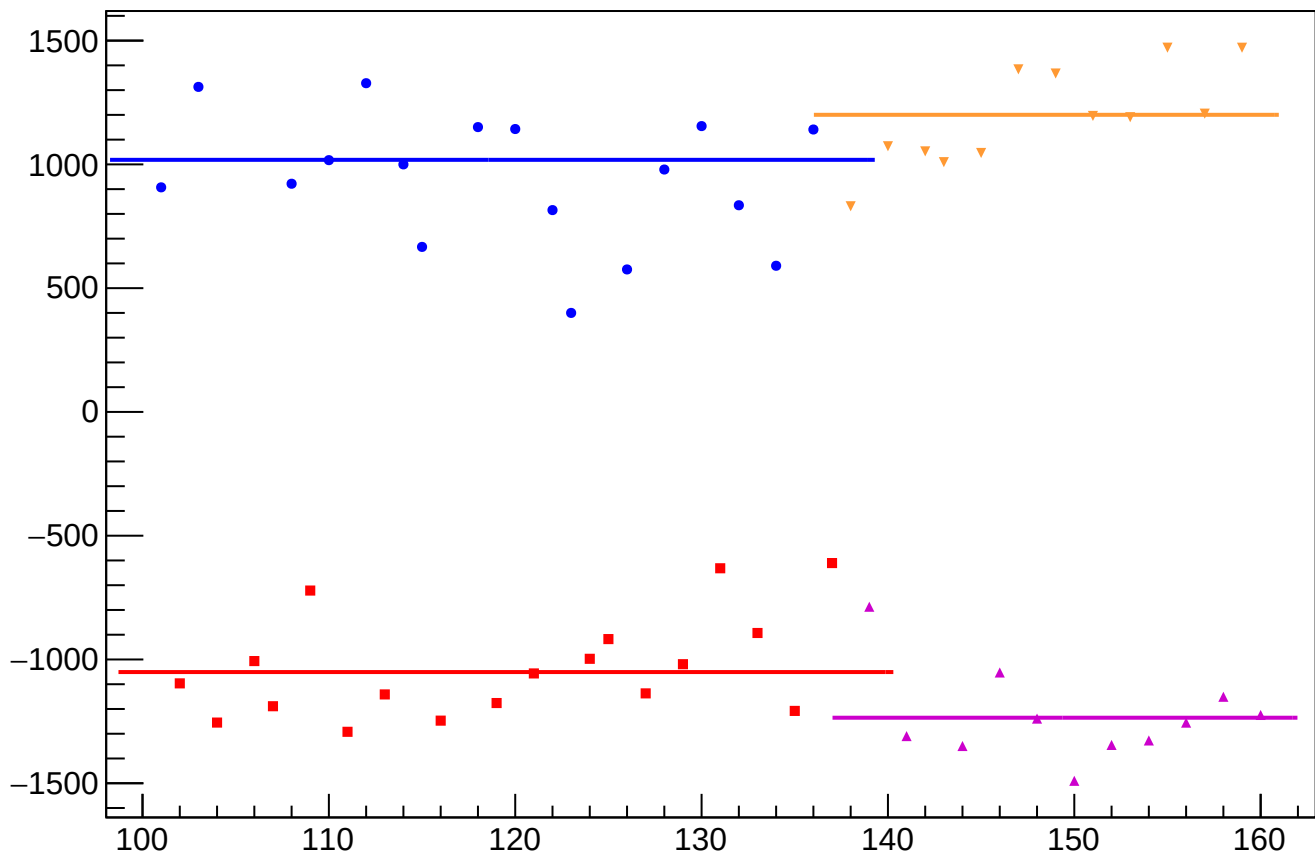
Right In: 8480.889 $\pm$ 0.000 χ^2 /NDF: 11499484754166446401410720405854359650304.0/16
 Left Out: 15025.757 $\pm$ 0.000 χ^2 /NDF: 8187740092033082050104349904869741559808.0/11
 Right Out: -7447.217 $\pm$ 0.000 χ^2 /NDF: 10045808642952263494281474112188504342528.0/17
 Left In: -16002.617 $\pm$ 0.000 χ^2 /NDF: 2475406713829870725608341548092805349376.0/10
 All: -218.717 $\pm$ 0.000 χ^2 /NDF: 56577797578

dit_sam8_coil1_err_mean vs Slug, Sign Corrected



Right In: 126.005 +/- 0.000 χ^2/NDF : 3386025781144831306970150054630785024.0/16
 Left Out: 225.692 +/- 0.000 χ^2/NDF : 7765824995412425286122153901765427200.0/11
 Right Out: -126.521 +/- 0.000 χ^2/NDF : 5291778643595712336156745298356469760.0/17
 Left In: -219.416 +/- 0.000 χ^2/NDF : 7417643300202175953458768997657870336.0/10
 All: -0.792 +/- 0.000 χ^2/NDF : 1375428140001

dit_sam8_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

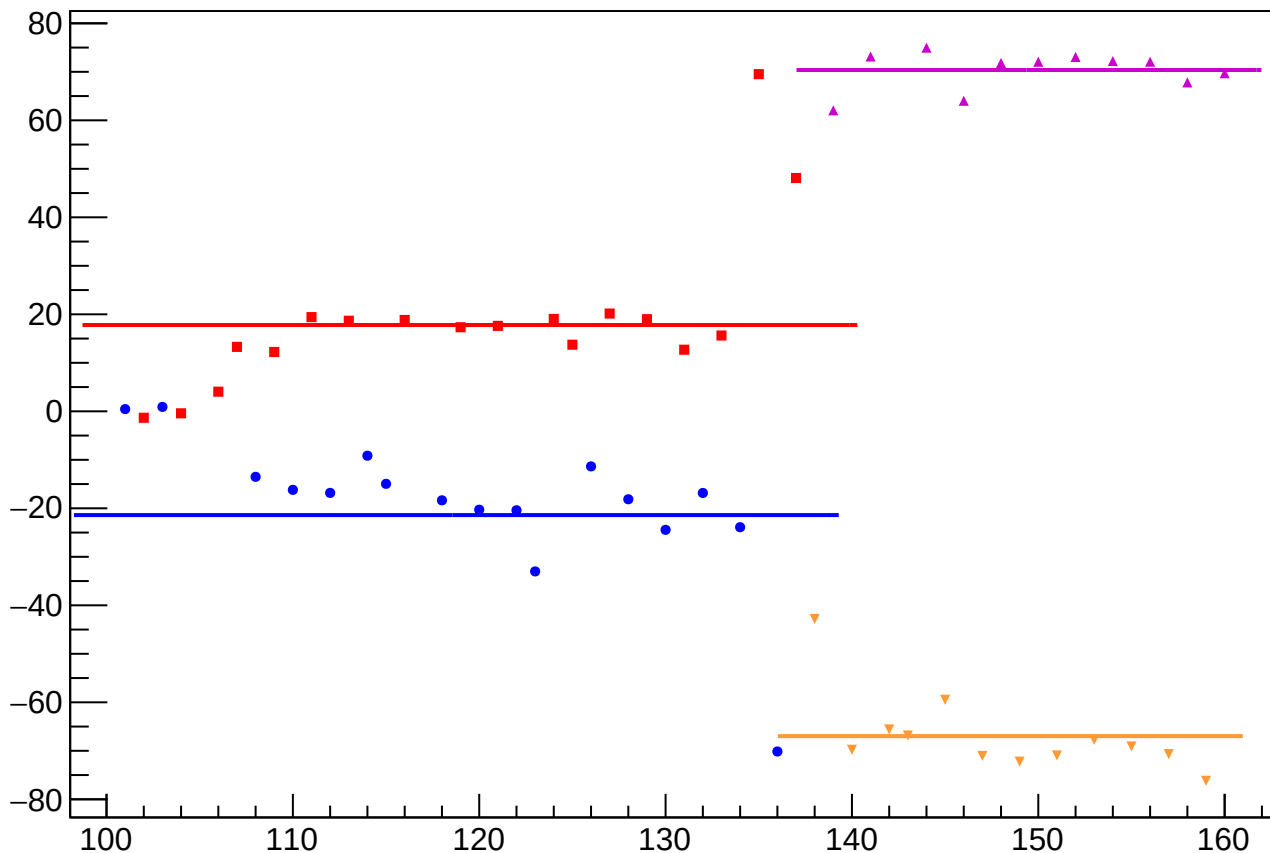
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_4aX_coil3_mean vs Slug, Sign Corrected



Right In: -21.398+/-0.000

Left Out: -66.978+/-0.000

Right Out: 17.797+/-0.000

Left In: 70.373+/-0.000

χ^2/NDF : 280536163120367747156314867523125248.0/16

χ^2/NDF : 63685898995814955491327915677712384.0/11

χ^2/NDF : 194445073804421906744756784211165184.0/17

χ^2/NDF : 13651024036120663482420235694243840.0/10

Left: 2.593+/-0.000 χ^2/NDF : 876339460112886704

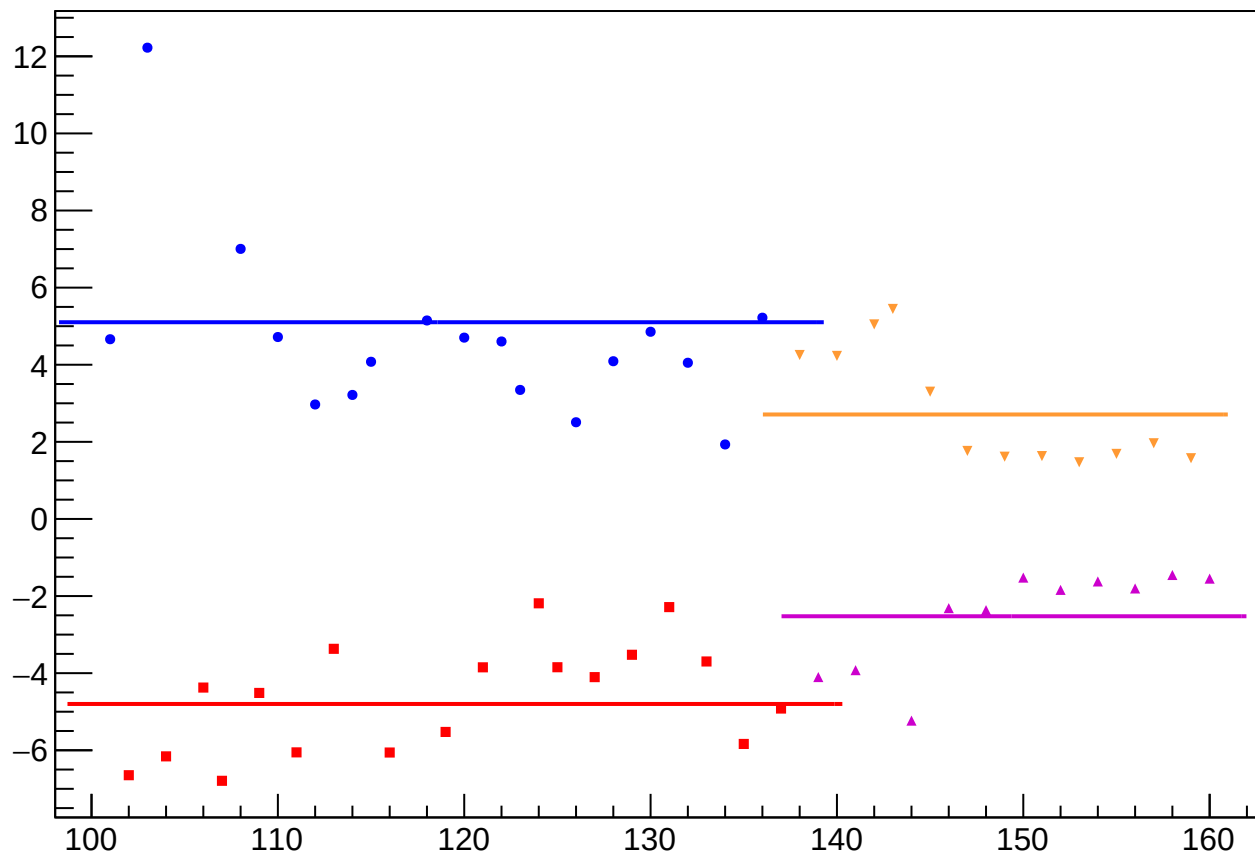
Right: -1.508+/-0.000 χ^2/NDF : 1016004524366776

In: 31.228+/-0.000 χ^2/NDF : 364590997296743211

Out: -29.654+/-0.000 χ^2/NDF : 3134342076596481

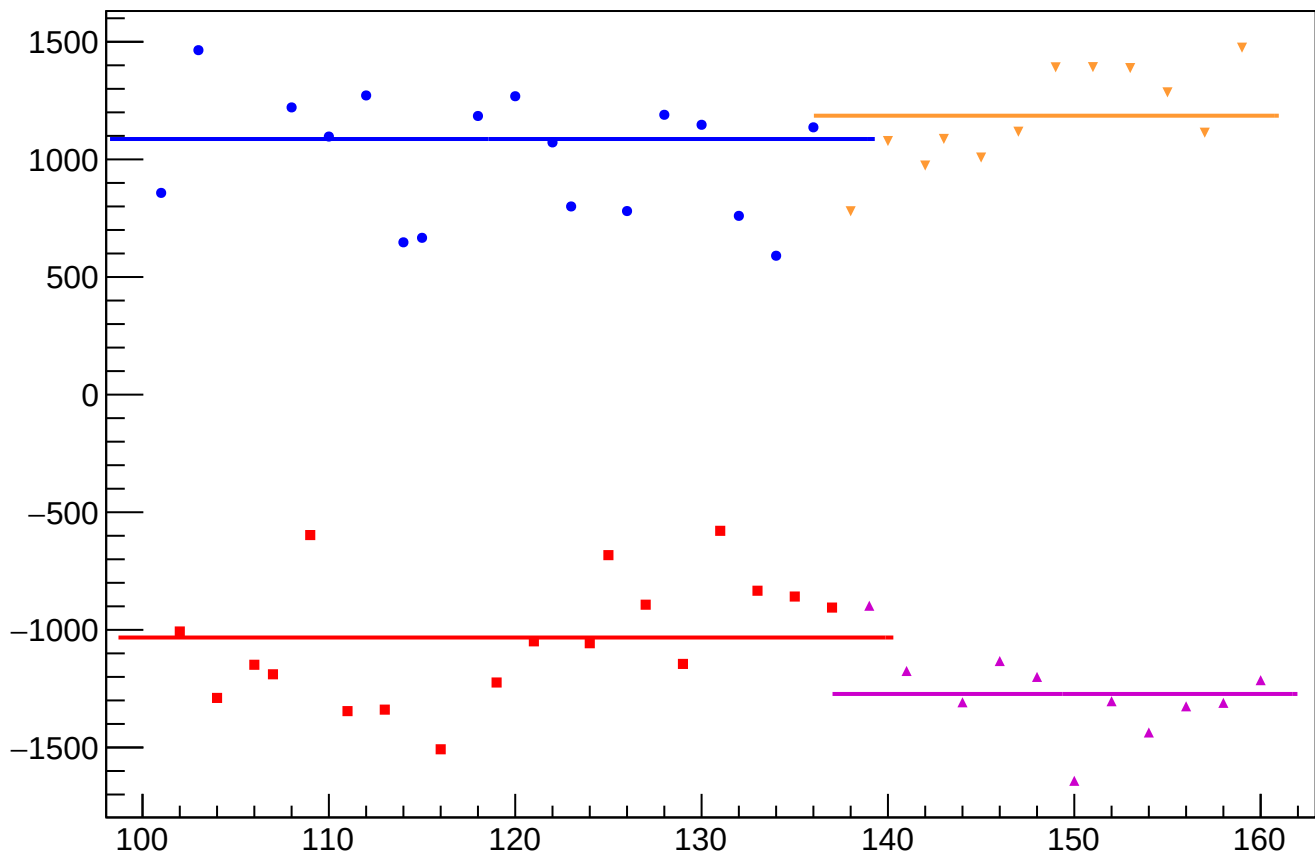
All: 0.815+/-0.000 χ^2/NDF : 97928246020071

dit_4aX_coil3_err_mean vs Slug, Sign Corrected



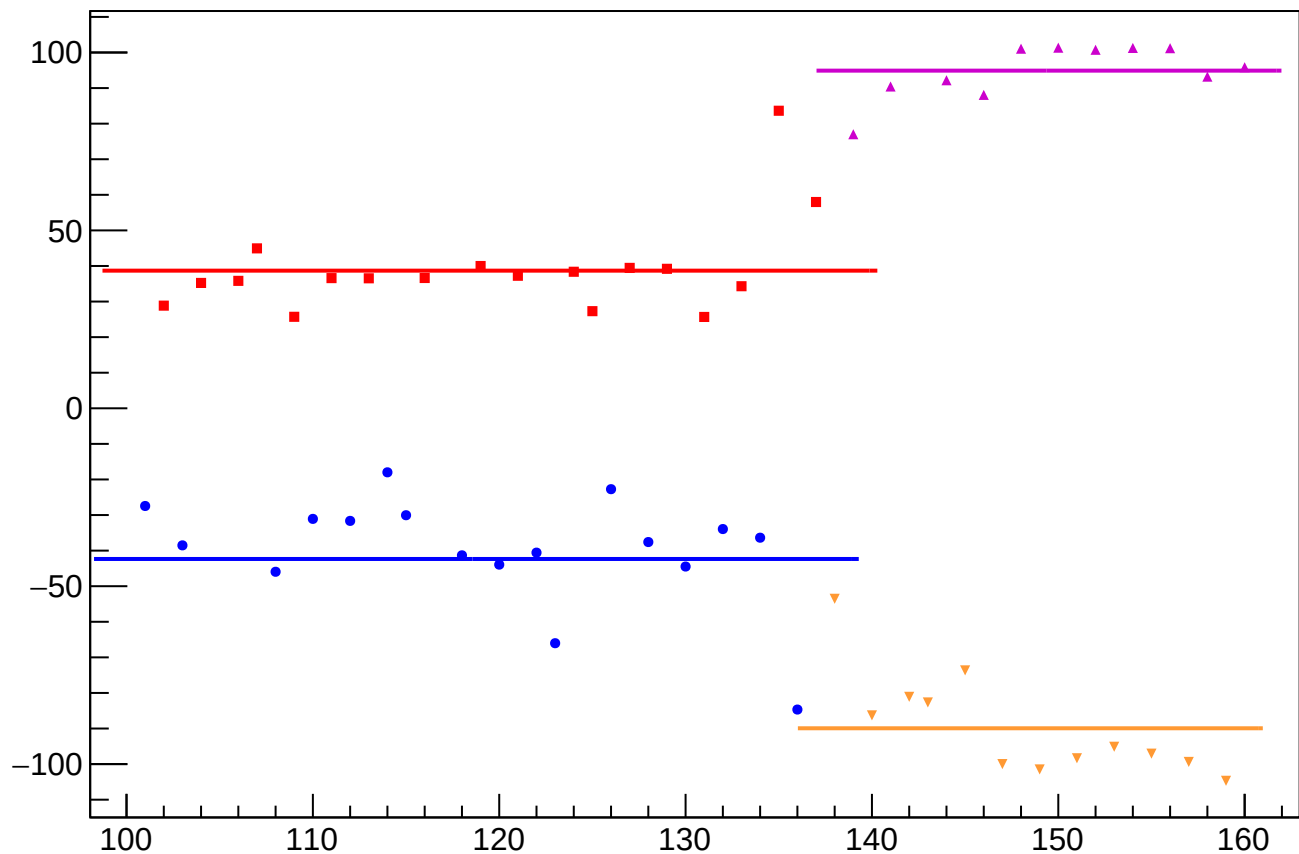
Right In: 5.103 $\pm$ 0.000 χ^2 /NDF: 4048406978190508053530993177395200.0/16
 Left Out: 2.710 $\pm$ 0.000 χ^2 /NDF: 1774159043511346014201510128254976.0/11
 Right Out: -4.799 $\pm$ 0.000 χ^2 /NDF: 1271869445641912698697536291995648.0/17
 Left In: -2.524 $\pm$ 0.000 χ^2 /NDF: 1443854563513341294387646202642432.0/10
 All: 0.067 $\pm$ 0.000 χ^2 /NDF: 55678277230235

dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695 $\pm$ 0.000 χ^2 /NDF: 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823 $\pm$ 0.000 χ^2 /NDF: 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544 $\pm$ 0.000 χ^2 /NDF: 47614887029691398867923382029973979136.0/17
 Left In: -1272.495 $\pm$ 0.000 χ^2 /NDF: 29878198288838193261445678233542459392.0/10
 All: -28.738 $\pm$ 0.000 χ^2 /NDF: 451779050699

dit_4eX_coil3_mean vs Slug, Sign Corrected



Right In: -42.348+/-0.000

Left Out: -89.931+/-0.000

Right Out: 38.687+/-0.000

Left In: 94.901+/-0.000

χ^2/NDF : 214487265312366042421757259213176832.0/16

χ^2/NDF : 187167251032127788176867775297355776.0/11

χ^2/NDF : 132884782523479402209438367825788928.0/17

χ^2/NDF : 49160458871676913814520414202757120.0/10

Left: 3.689+/-0.000 χ^2/NDF : 159656581225915096

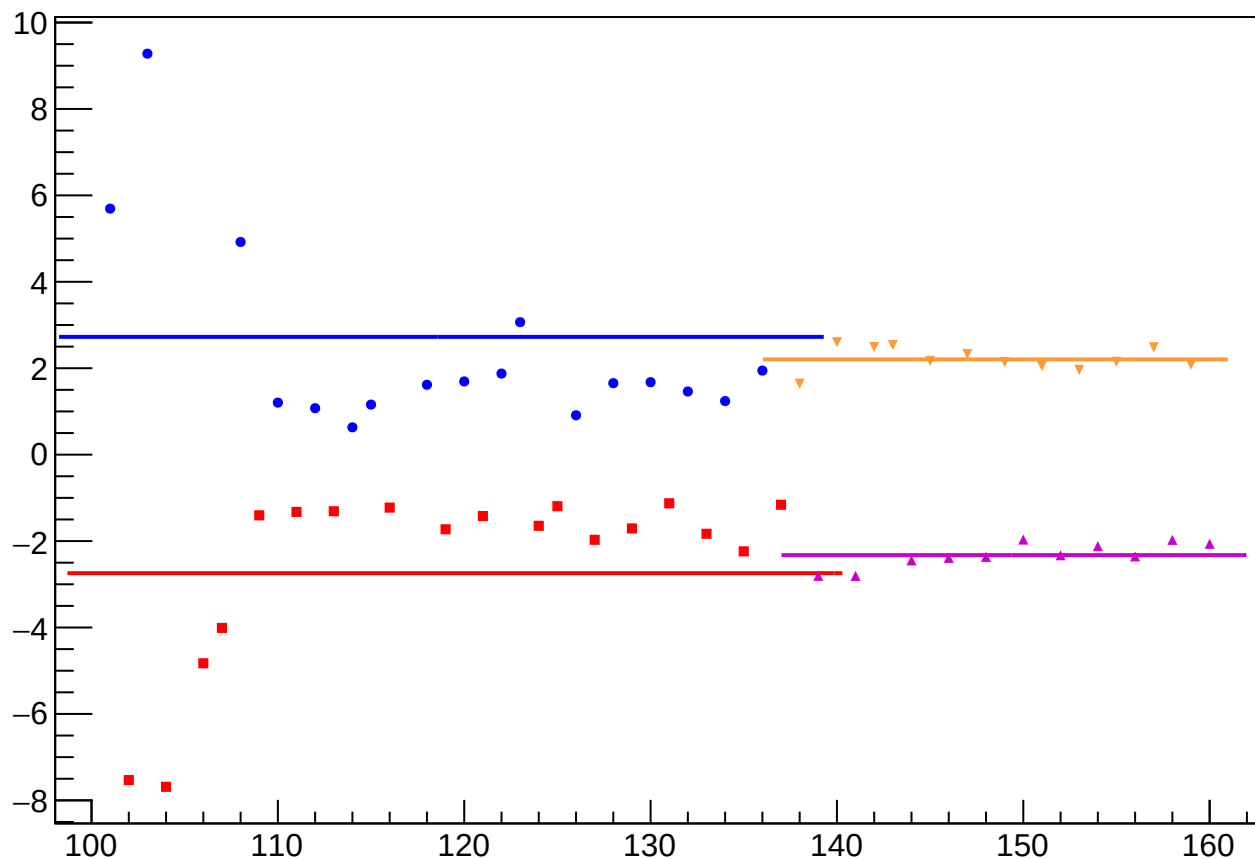
Right: -1.226+/-0.000 χ^2/NDF : 2659977091062519

In: 36.357+/-0.000 χ^2/NDF : 776037945443292169

Out: -33.304+/-0.000 χ^2/NDF : 6940516204701080

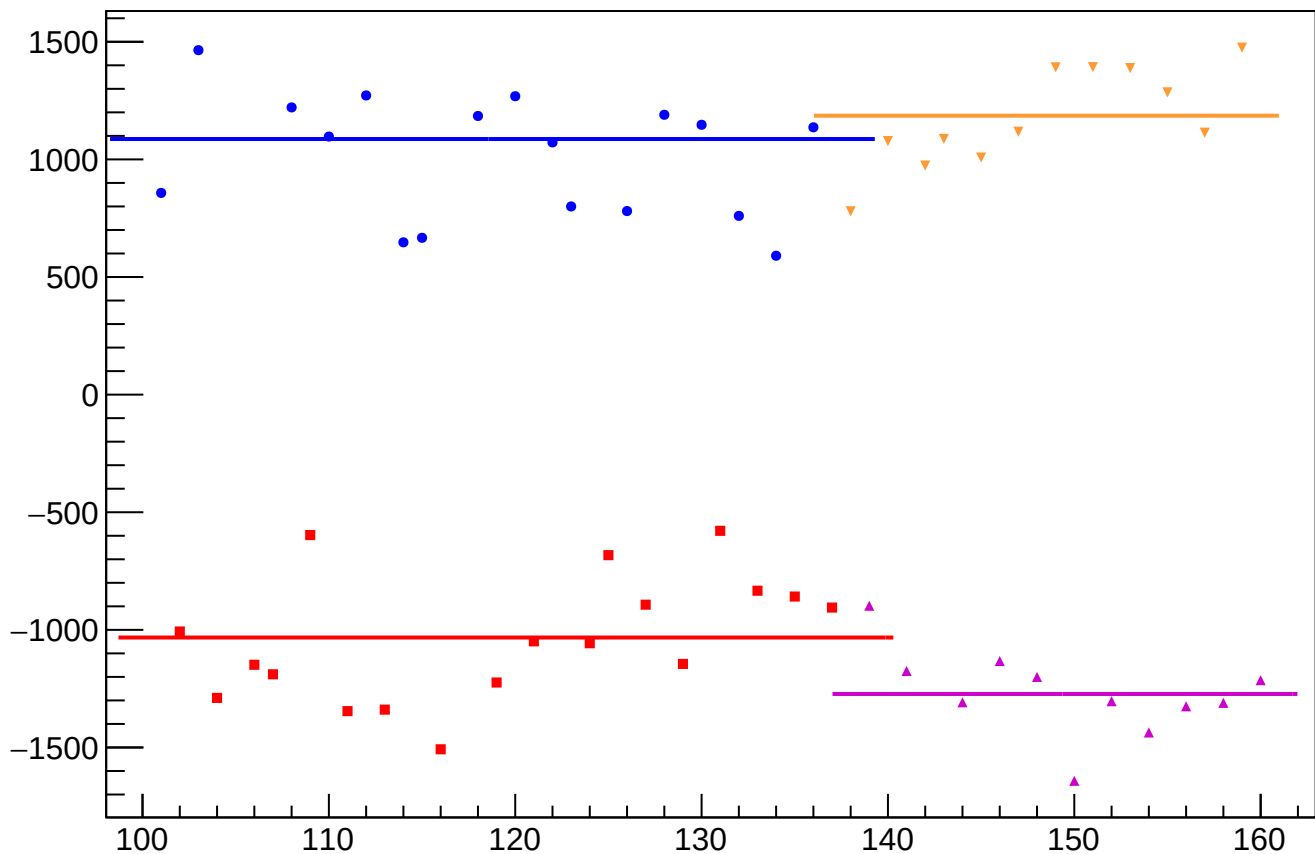
All: 1.559+/-0.000 χ^2/NDF : 18644925895826

dit_4eX_coil3_err_mean vs Slug, Sign Corrected



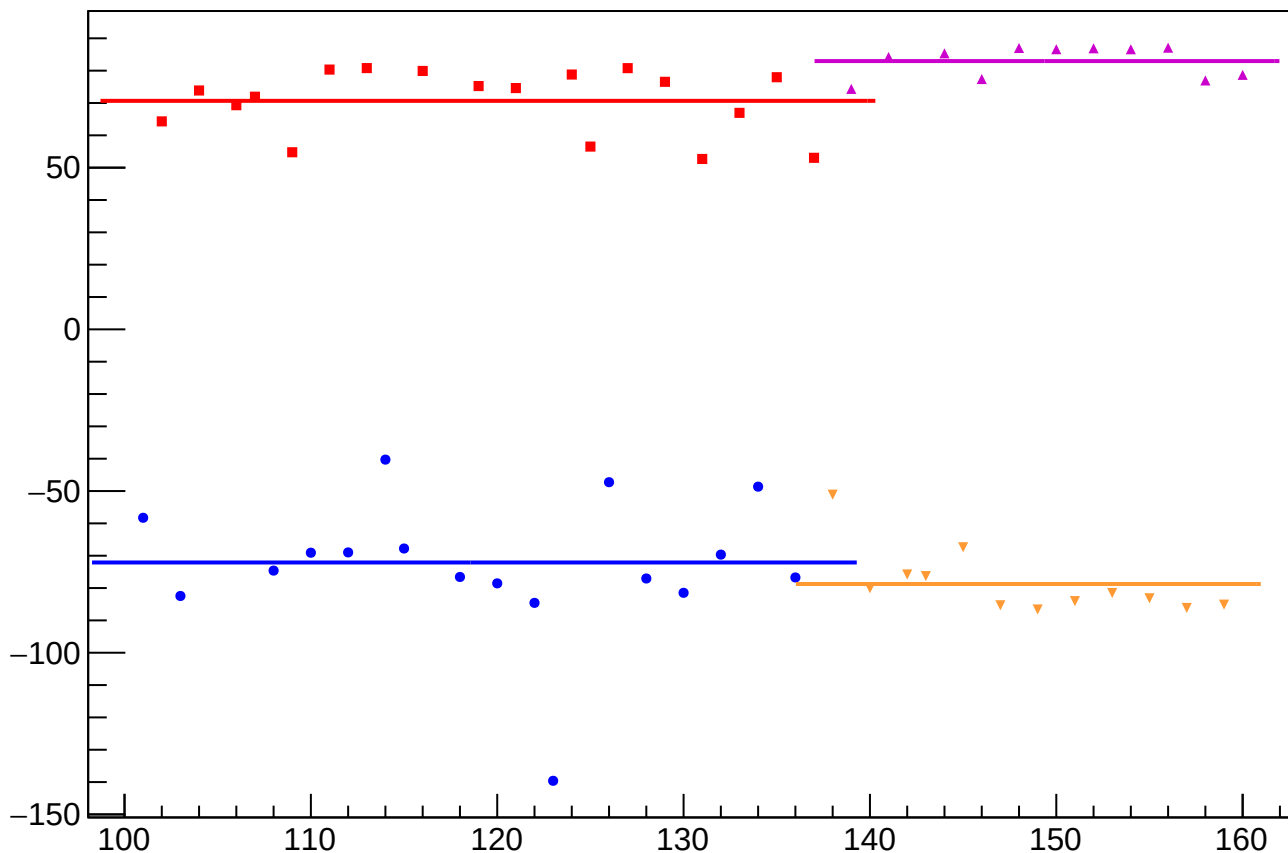
Right In: 2.726 $\pm$ 0.000 χ^2 /NDF: 4086214221048218627232910568062976.0/16
 Left Out: 2.204 $\pm$ 0.000 χ^2 /NDF: 64341762429168624767253736325120.0/11
 Right Out: -2.743 $\pm$ 0.000 χ^2 /NDF: 3588318821230369709737363581698048.0/17
 Left In: -2.325 $\pm$ 0.000 χ^2 /NDF: 71570259822113159465865385607168.0/10
 All: -0.072 $\pm$ 0.000 χ^2 /NDF: 2778523853871

dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_11X12X_coil3_mean vs Slug, Sign Corrected



Right In: -72.094+/-0.000

χ^2/NDF : 10307.5/2291

Left Out: -78.747+/-0.000

χ^2/NDF : 90789.5/2507

Right Out: 70.666+/-0.000

χ^2/NDF : 6352.1/5823

Left In: 82.966+/-0.000

χ^2/NDF : 20132.2/4805

Left: 3.163+/-0.000 χ^2/NDF : 12151.4/6306

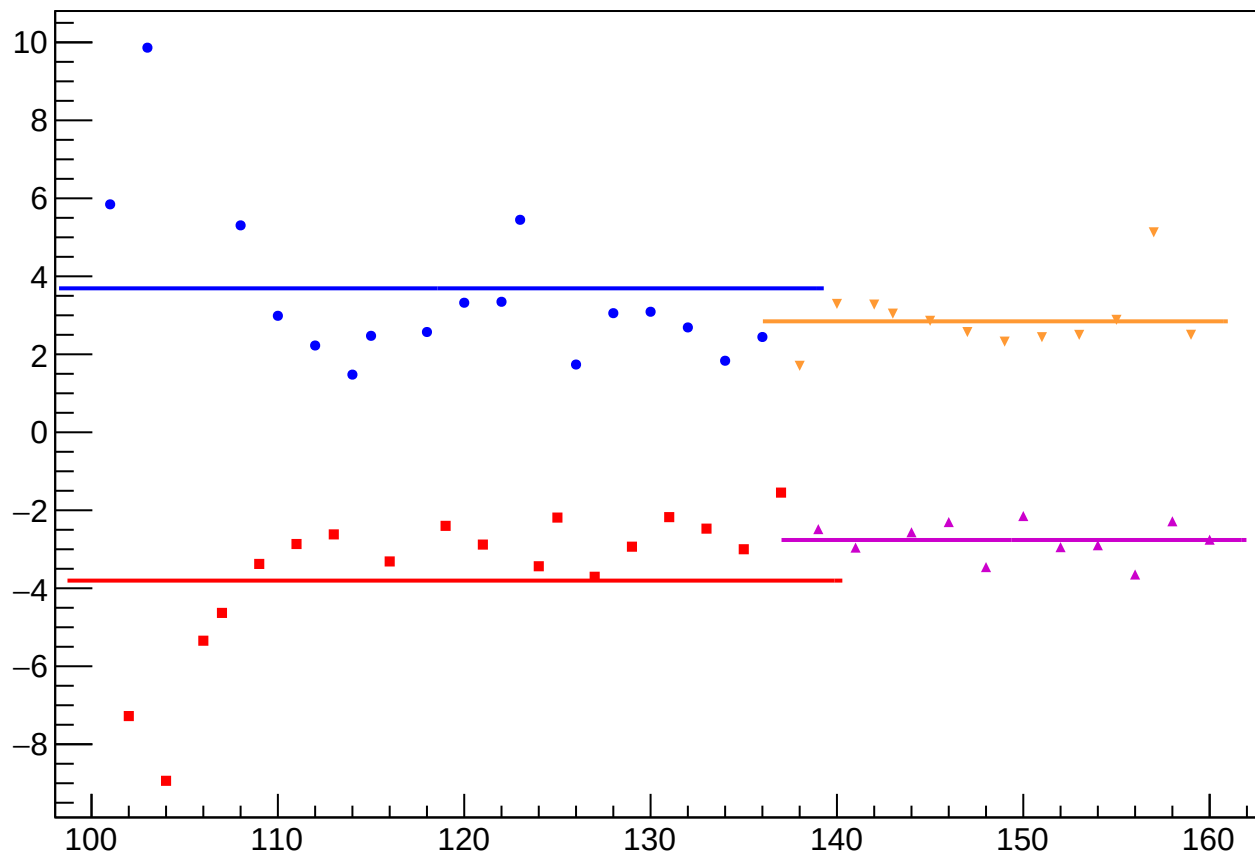
Right: 0.350+/-0.000 χ^2/NDF : 73439.7/0387

In: 16.825+/-0.000 χ^2/NDF : 96918.5/2140

Out: -12.965+/-0.000 χ^2/NDF : 90886.3/6665

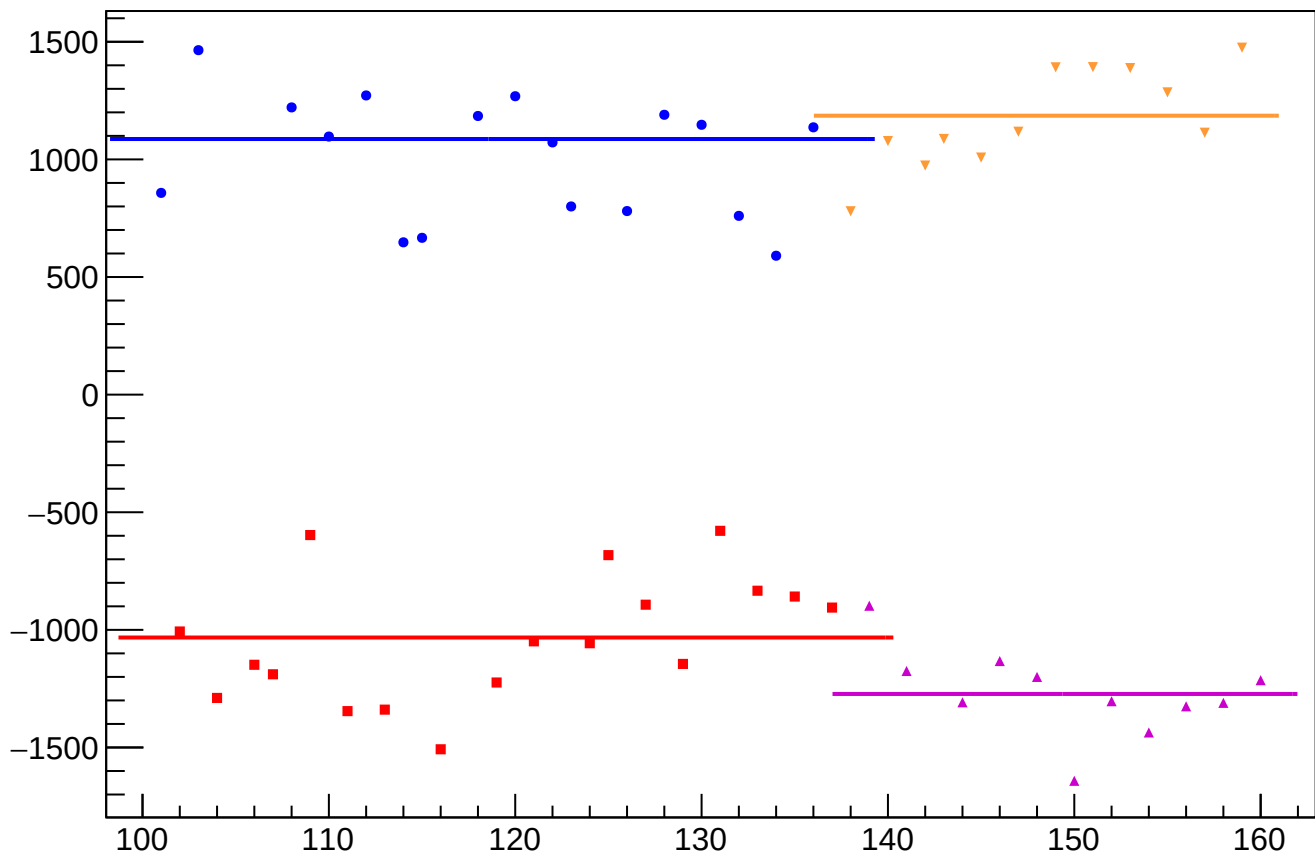
All: 1.944+/-0.000 χ^2/NDF : 19501.7/4978

dit_11X12X_coil3_err_mean vs Slug, Sign Corrected



Right In: 3.692 +/- 0.000 χ^2/NDF : 3355971788555014480502828790972416.0/16
 Left Out: 2.846 +/- 0.000 χ^2/NDF : 575629369641168831235561749479424.0/11
 Right Out: -3.803 +/- 0.000 χ^2/NDF : 2825063553426013260614294392799232.0/17
 Left In: -2.762 +/- 0.000 χ^2/NDF : 191371961737300564635223748247552.0/10
 All: -0.045 +/- 0.000 χ^2/NDF : 4121907828057

dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

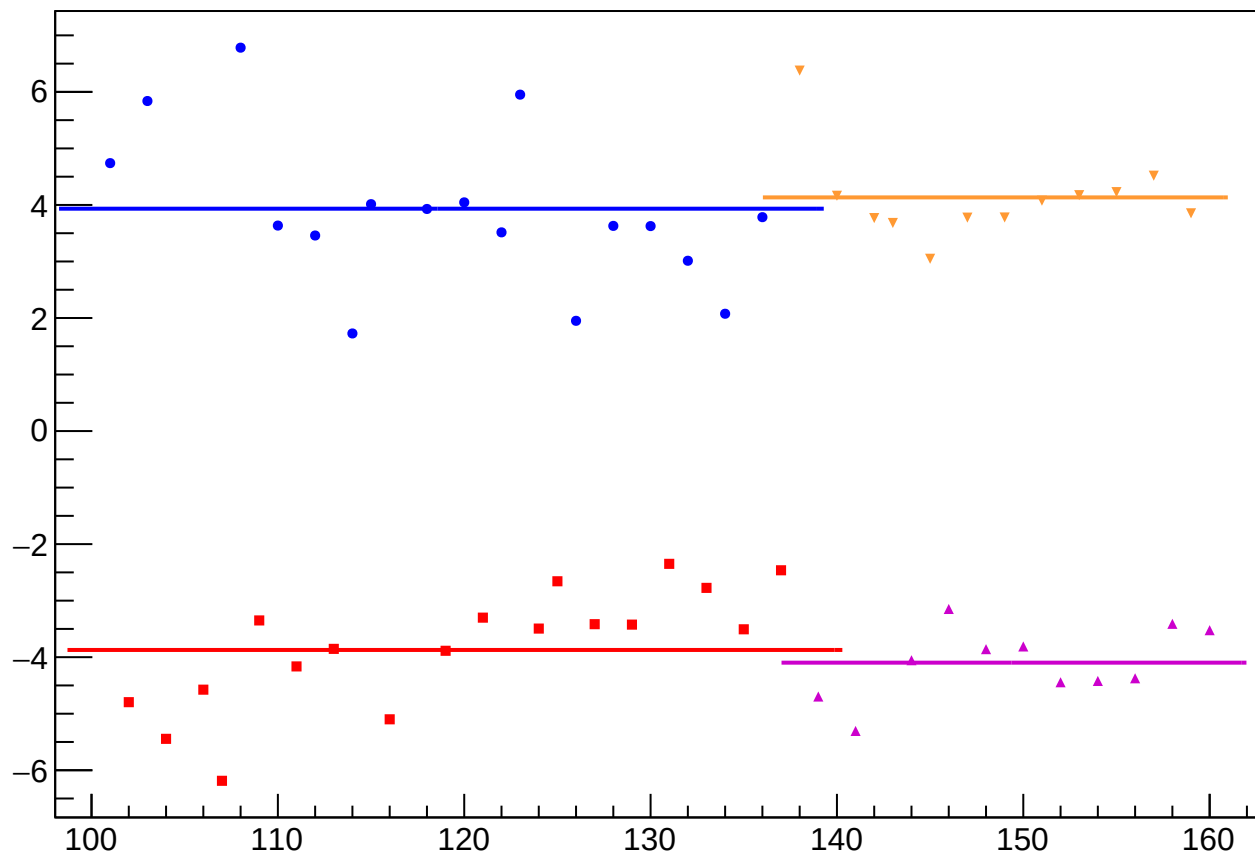
χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

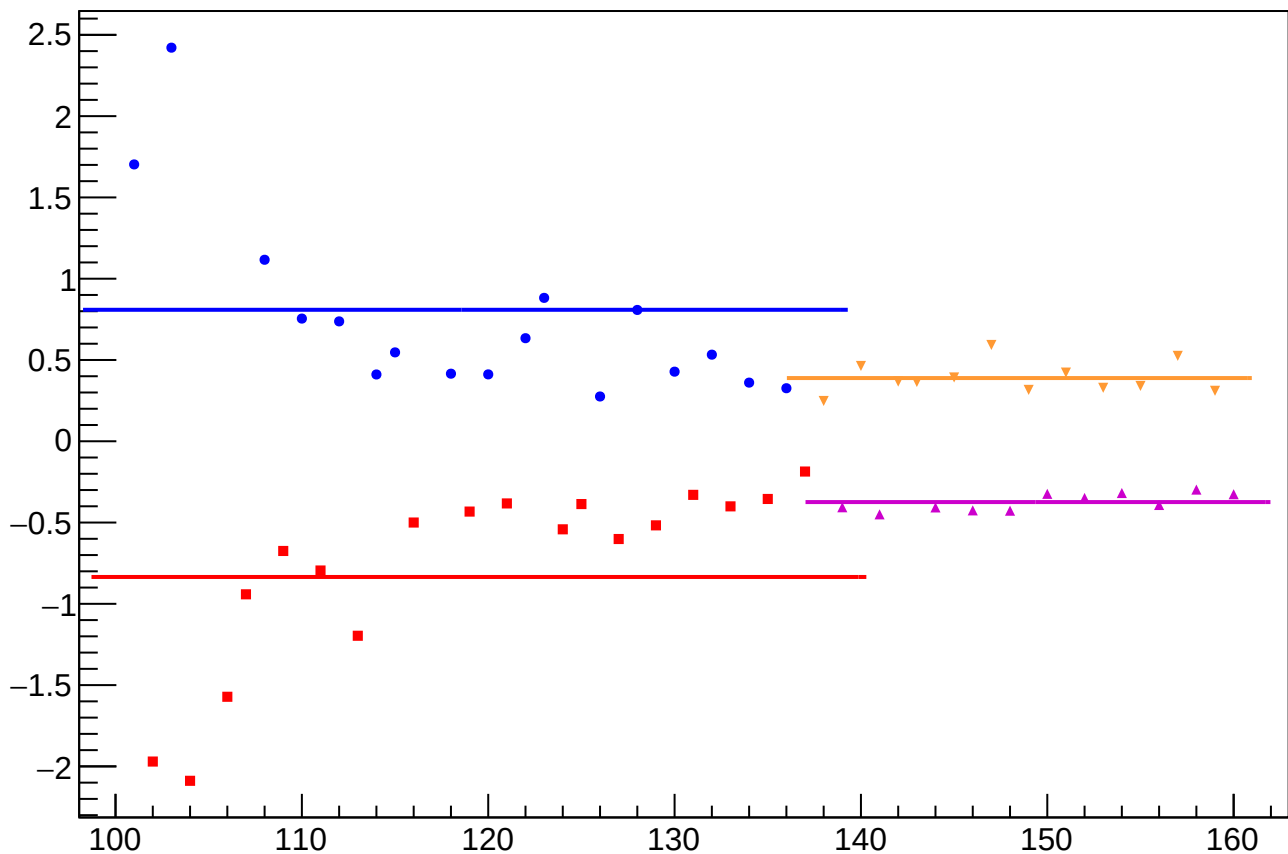
Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934
 Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158
 In: -266.178+/-0.000 χ^2/NDF : 2279519380852013
 Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_4aY_coil3_mean vs Slug, Sign Corrected



Left: -0.035 ± 0.000 χ^2/NDF : 32065526123575243
 Right In: 3.934 ± 0.000 χ^2/NDF : 937288717449166058748009299050496.0/16
 Left Out: 4.134 ± 0.000 χ^2/NDF : 543238329499438777000735270764544.0/11
 Right Out: -3.872 ± 0.000 χ^2/NDF : 707048075514761321683781922324480.0/17
 Left In: -4.097 ± 0.000 χ^2/NDF : 331914558071256071482746481934336.0/10
 In: -0.671 ± 0.000 χ^2/NDF : 269359923927468310
 Out: 0.609 ± 0.000 χ^2/NDF : 269013831878987917
 All: -0.032 ± 0.000 χ^2/NDF : 5516958572144

dit_4aY_coil3_err_mean vs Slug, Sign Corrected



Right In: 0.809+/-0.000

χ^2/NDF : 269169890346681229126320544284672.0/16

Left Out: 0.389+/-0.000

χ^2/NDF : 8197684990804317089776046964736.0/11

Right Out: -0.835+/-0.000

χ^2/NDF : 250373306610542576736300880101376.0/17

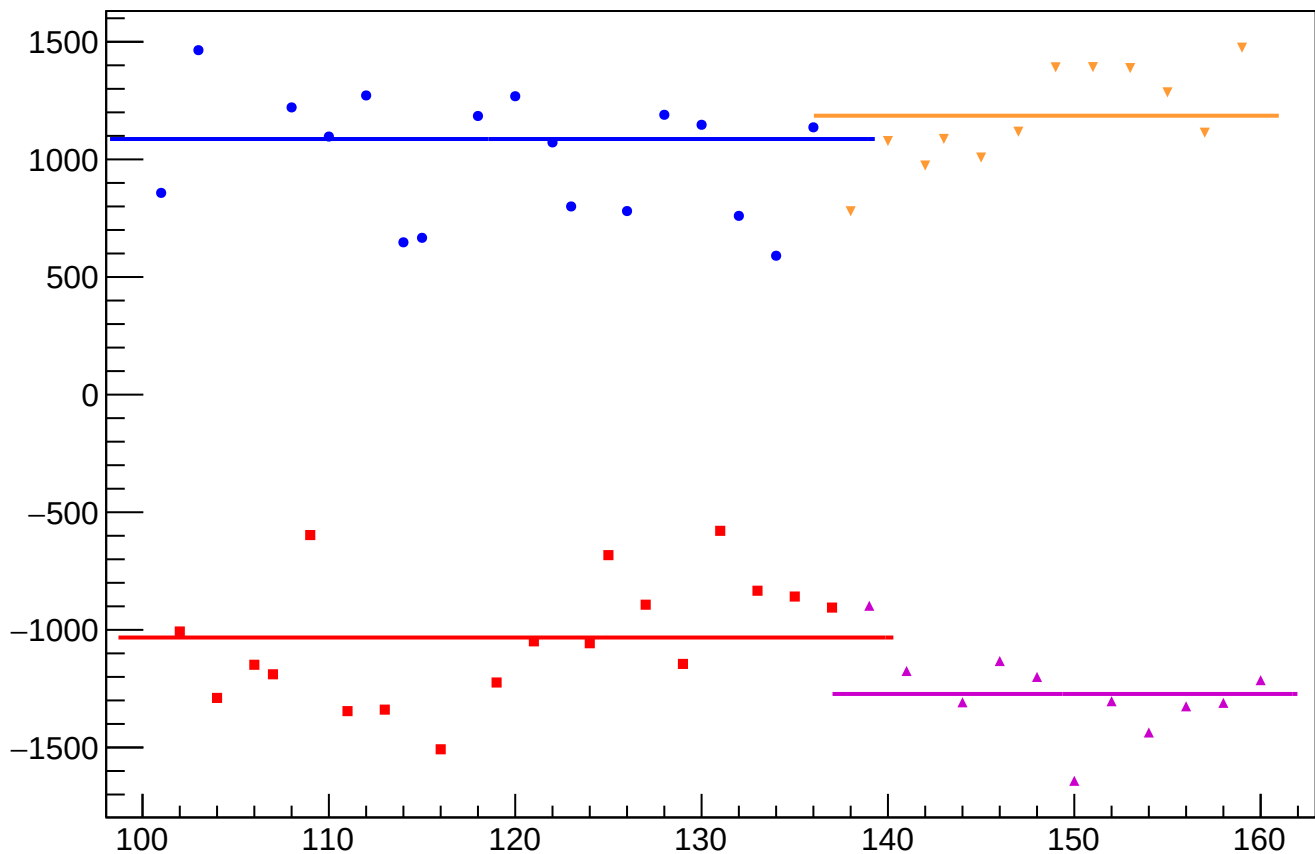
Left In: -0.374+/-0.000

χ^2/NDF : 2379461607366055456140660047872.0/10

All: -0.010+/-0.000

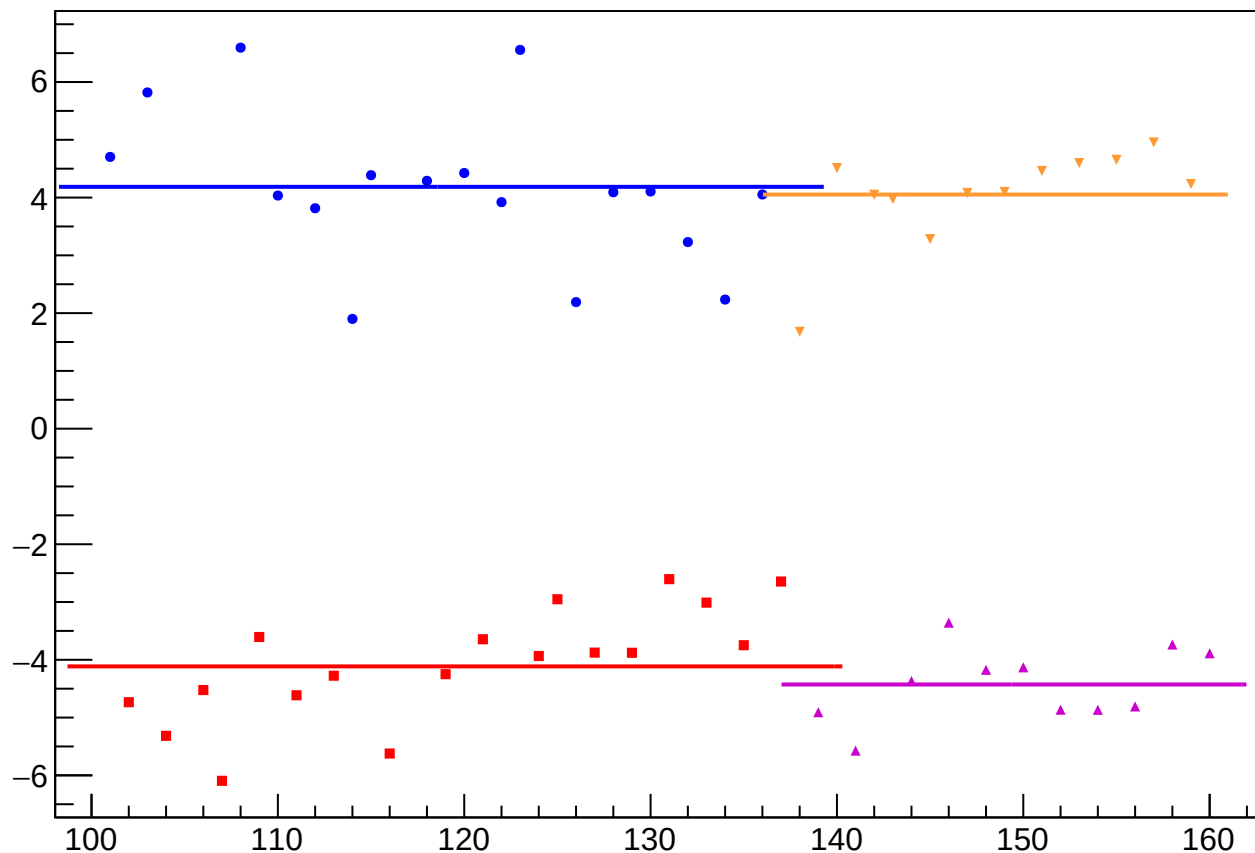
χ^2/NDF : 1749999072867

dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected



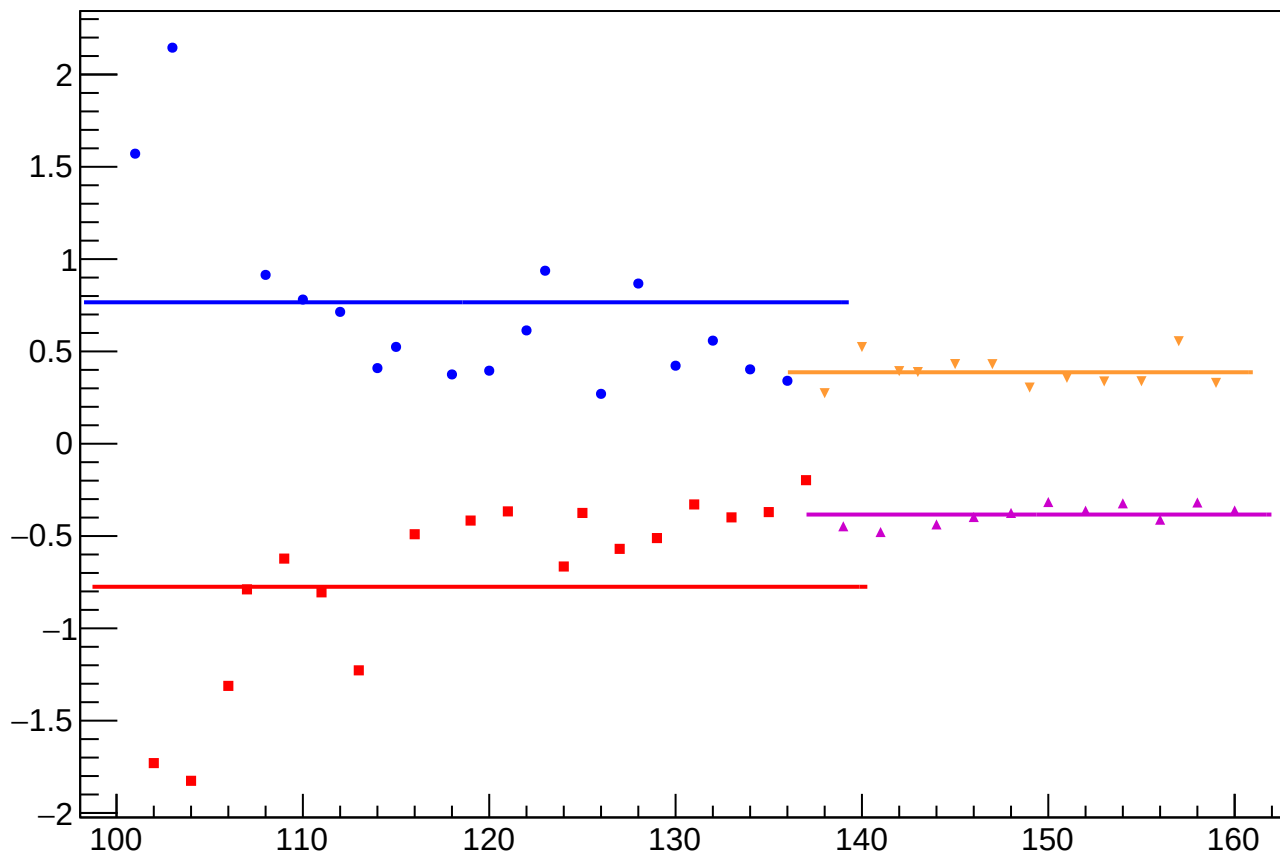
Right In: 1086.695 $\pm$ 0.000 χ^2 /NDF: 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823 $\pm$ 0.000 χ^2 /NDF: 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544 $\pm$ 0.000 χ^2 /NDF: 47614887029691398867923382029973979136.0/17
 Left In: -1272.495 $\pm$ 0.000 χ^2 /NDF: 29878198288838193261445678233542459392.0/10
 All: -28.738 $\pm$ 0.000 χ^2 /NDF: 451779050699

dit_4eY_coil3_mean vs Slug, Sign Corrected



Right In: 4.186 ± 0.000 $\chi^2/\text{NDF}: 774445398310846770950220892078080.0/16$
 Left Out: 4.052 ± 0.000 $\chi^2/\text{NDF}: 634098515145798855261076427112448.0/11$
 Right Out: -4.114 ± 0.000 $\chi^2/\text{NDF}: 573990867601521273238766982529024.0/17$
 Left In: -4.427 ± 0.000 $\chi^2/\text{NDF}: 347229155799314771034943134892032.0/10$
 All: -0.149 ± 0.000 $\chi^2/\text{NDF}: 5973666068557$

dit_4eY_coil3_err_mean vs Slug, Sign Corrected



Right In: 0.766+/-0.000

χ^2/NDF : 204784790719097578994787197911040.0/16

Left Out: 0.387+/-0.000

χ^2/NDF : 6246545374867762879189246541824.0/11

Right Out: -0.775+/-0.000

χ^2/NDF : 182293178606852047340817164009472.0/17

Left In: -0.384+/-0.000

χ^2/NDF : 2598634848541931497775565897728.0/10

Left: -0.003+/-0.000 χ^2/NDF : 28234003869756828

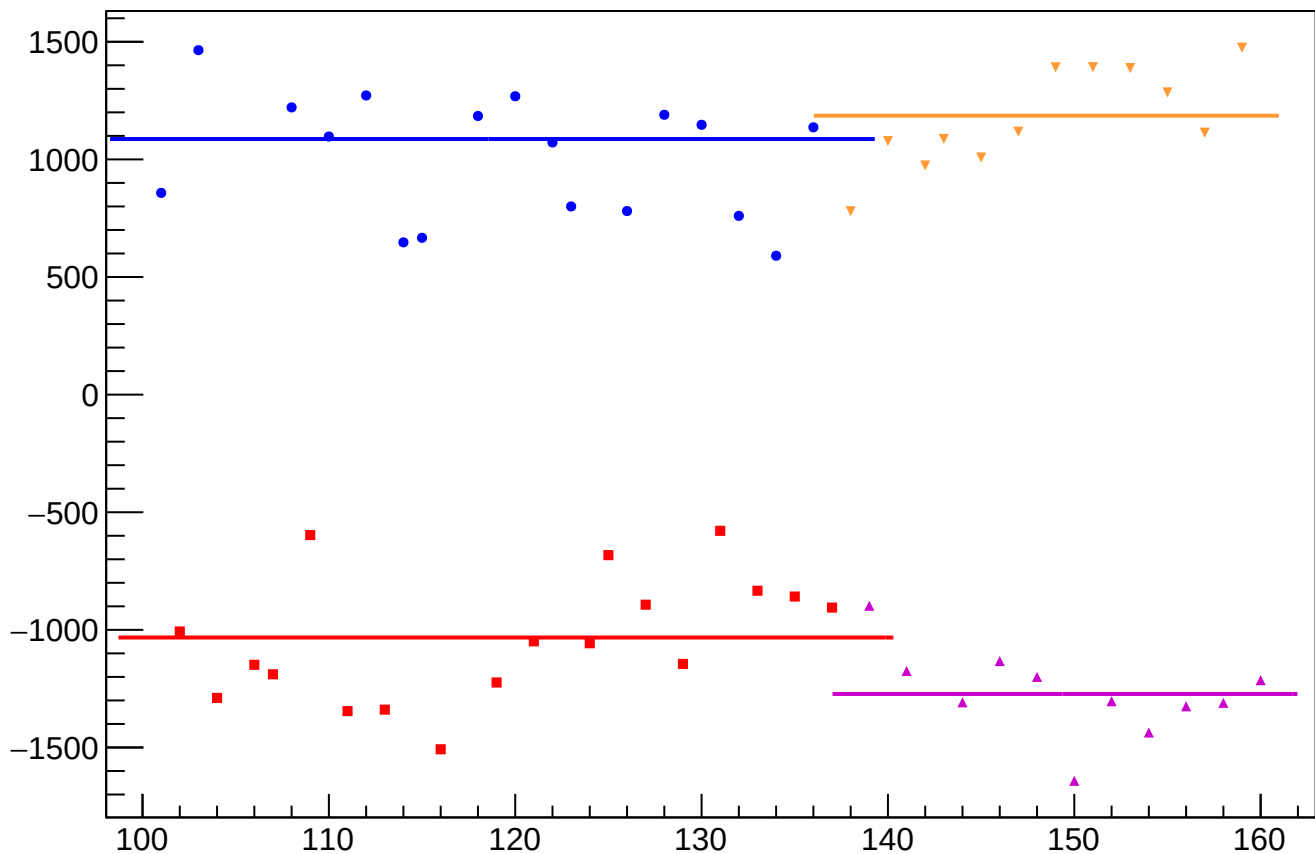
Right: -0.016+/-0.000 χ^2/NDF : 1223294668378502

In: 0.107+/-0.000 χ^2/NDF : 7334405883995383067

Out: -0.124+/-0.000 χ^2/NDF : 72885417762251347

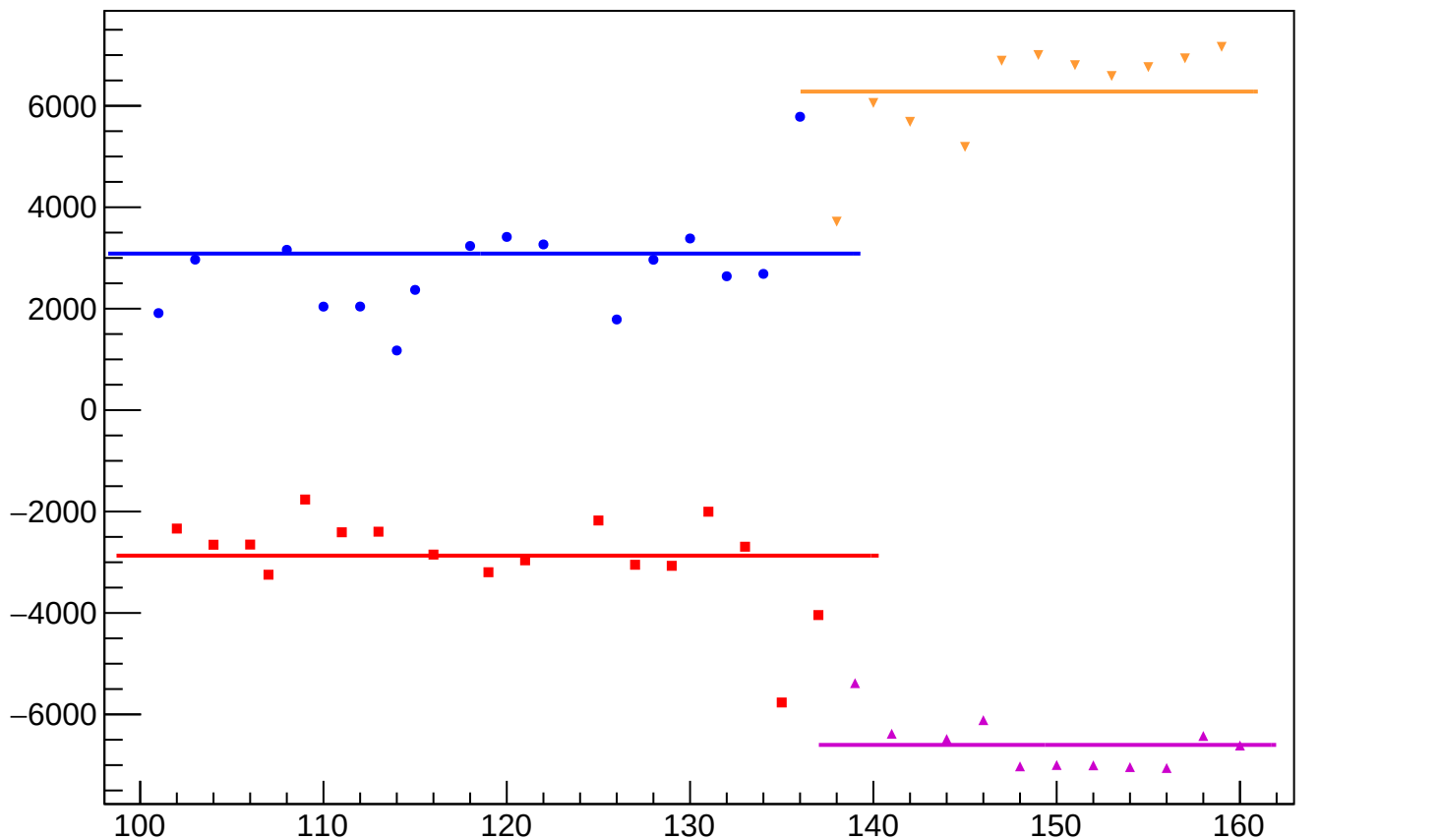
All: -0.009+/-0.000 χ^2/NDF : 1505760891115

dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected



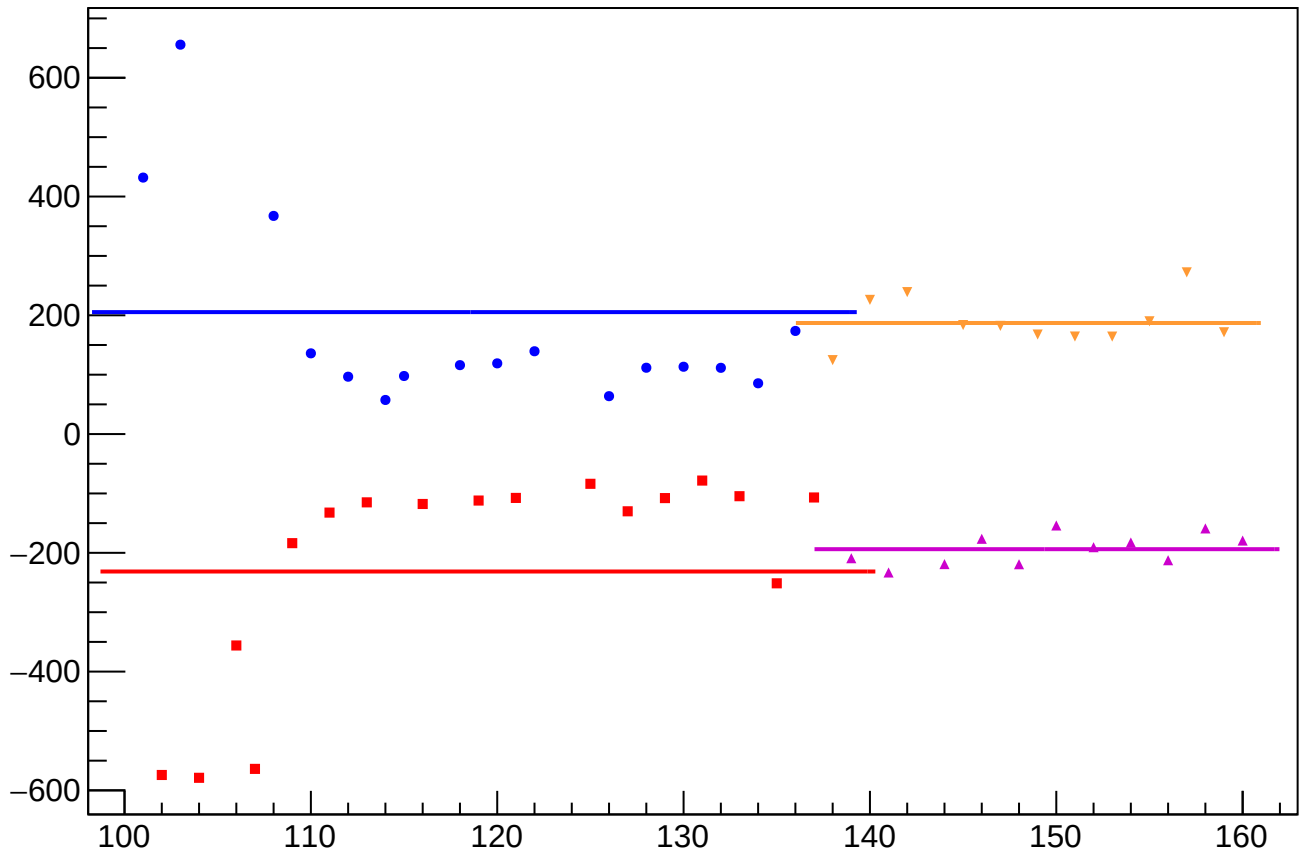
Right In: 1086.695 $\pm$ 0.000 χ^2 /NDF: 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823 $\pm$ 0.000 χ^2 /NDF: 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544 $\pm$ 0.000 χ^2 /NDF: 47614887029691398867923382029973979136.0/17
 Left In: -1272.495 $\pm$ 0.000 χ^2 /NDF: 29878198288838193261445678233542459392.0/10
 All: -28.738 $\pm$ 0.000 χ^2 /NDF: 451779050699

dit_usl_coil3_mean vs Slug, Sign Corrected



Right In: 3086.294+/-0.000 χ^2/NDF : 957872647656521012418983150086021709824.0/15
 Left Out: 6281.054+/-0.000 χ^2/NDF : 840424812990698239150116446510170243072.0/10
 Right Out: -2869.332+/-0.000 χ^2/NDF : 591237562305543847323062569482235936768.0/16
 Left In: -6601.570+/-0.000 χ^2/NDF : 224954235143433170053737939603445252096.0/10
 All: -237.674+/-0.000 χ^2/NDF : 88658508378

dit_usl_coil3_err_mean vs Slug, Sign Corrected



Right In: 205.364 +/- 0.000

χ^2/NDF : 20493668782682953984090808657754718208.0/15

Left Out: 187.052 +/- 0.000

χ^2/NDF : 1231111224909573231836373521014980608.0/10

Right Out: -231.450 +/- 0.000

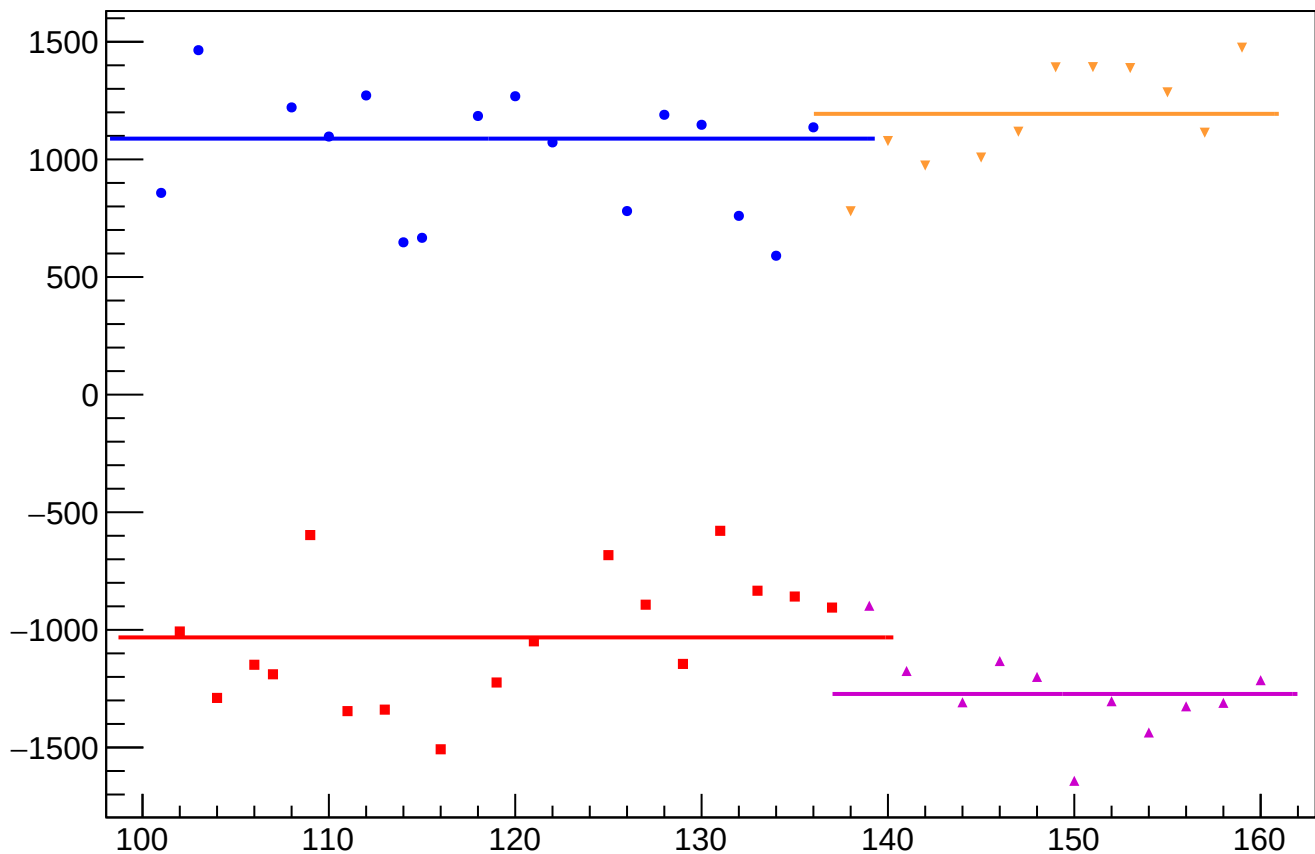
χ^2/NDF : 23996601891457376807935240829130506240.0/16

Left In: -193.848 +/- 0.000

χ^2/NDF : 586629985939156798428558842319077376.0/10

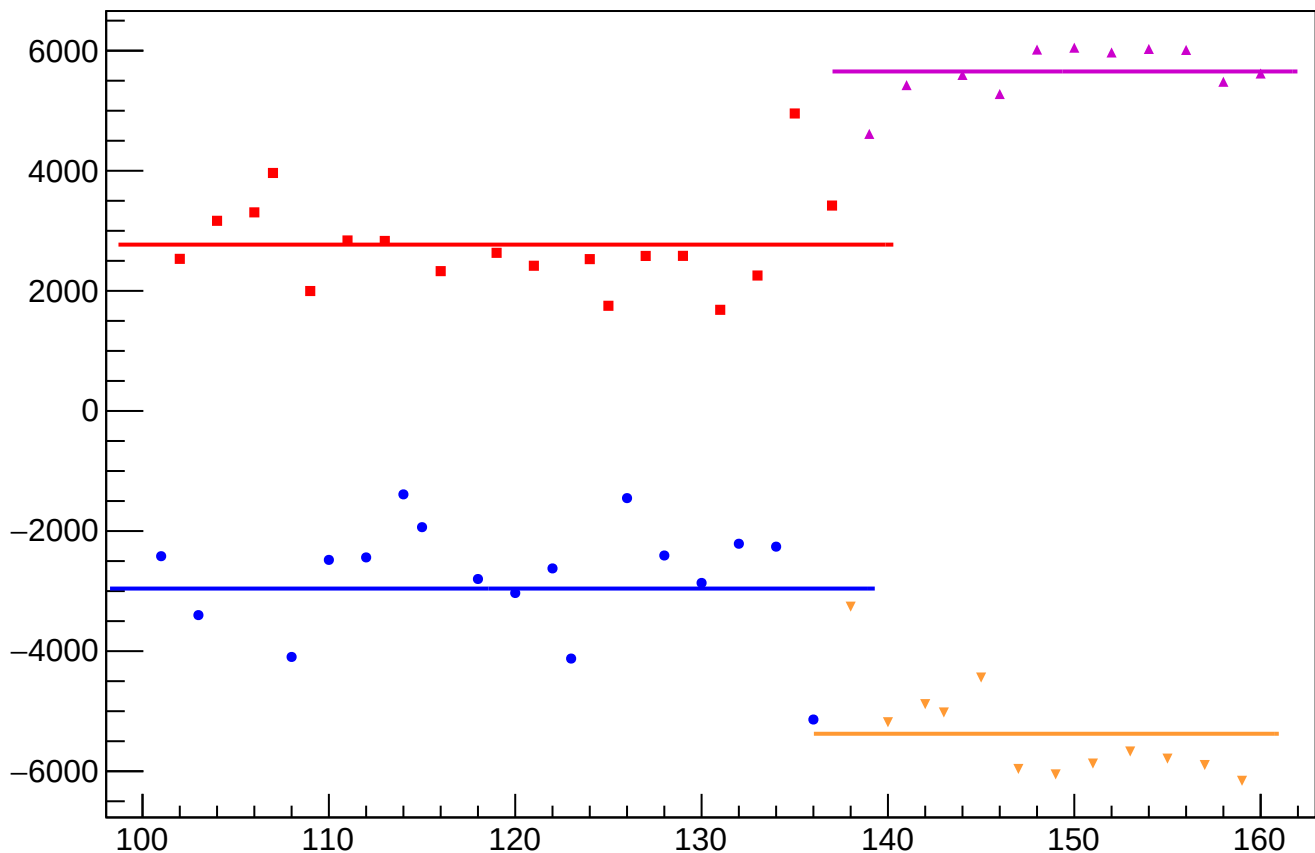
Left: -13.162 +/- 0.000 χ^2/NDF : 6602979592425474
 Right: -14.770 +/- 0.000 χ^2/NDF : 110839210771107
 In: -24.127 +/- 0.000 χ^2/NDF : 84295315257804686
 Out: -3.078 +/- 0.000 χ^2/NDF : 92225228487056361
 All: -13.868 +/- 0.000 χ^2/NDF : 176871022937

dit_usl_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1088.357 ± 0.000 $\chi^2/\text{NDF}: 34282153777351983771685586546357960704.0/15$
 Left Out: 1193.682 ± 0.000 $\chi^2/\text{NDF}: 36852151008799488295542377563587346432.0/10$
 Right Out: -1032.058 ± 0.000 $\chi^2/\text{NDF}: 47606445983736508238206731798200713216.0/16$
 Left In: -1272.495 ± 0.000 $\chi^2/\text{NDF}: 29878198288838193261445678233542459392.0/10$
 All: -48.852 ± 0.000 $\chi^2/\text{NDF}: 441554871175$

dit_usr_coil3_mean vs Slug, Sign Corrected



Right In: -2957.567+/-0.000

Left Out: -5375.695+/-0.000

Right Out: 2770.253+/-0.000

Left In: 5653.693+/-0.000

χ^2/NDF : 713909426456610215881026852236843548672.0/16

χ^2/NDF : 614970411401357250704026120645020483584.0/11

χ^2/NDF : 445434357481765841936850386629712412672.0/17

χ^2/NDF : 163388727247640022745164219494657163264.0/10

Left: 210.852+/-0.000 χ^2/NDF : 5678747648450613

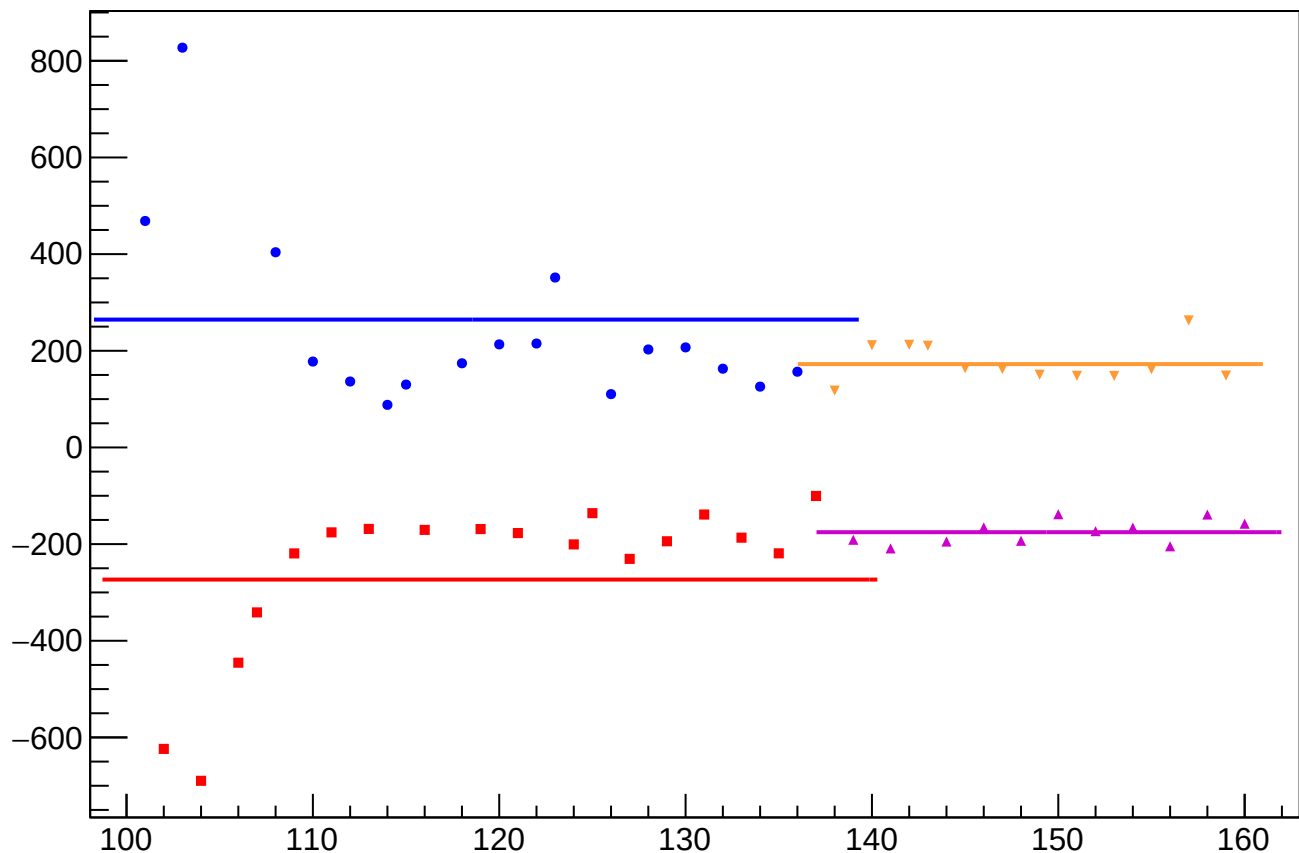
Right: -50.973+/-0.000 χ^2/NDF : 127133701983019

In: 1980.543+/-0.000 χ^2/NDF : 3038851116540527

Out: -1789.270+/-0.000 χ^2/NDF : 27616678894170

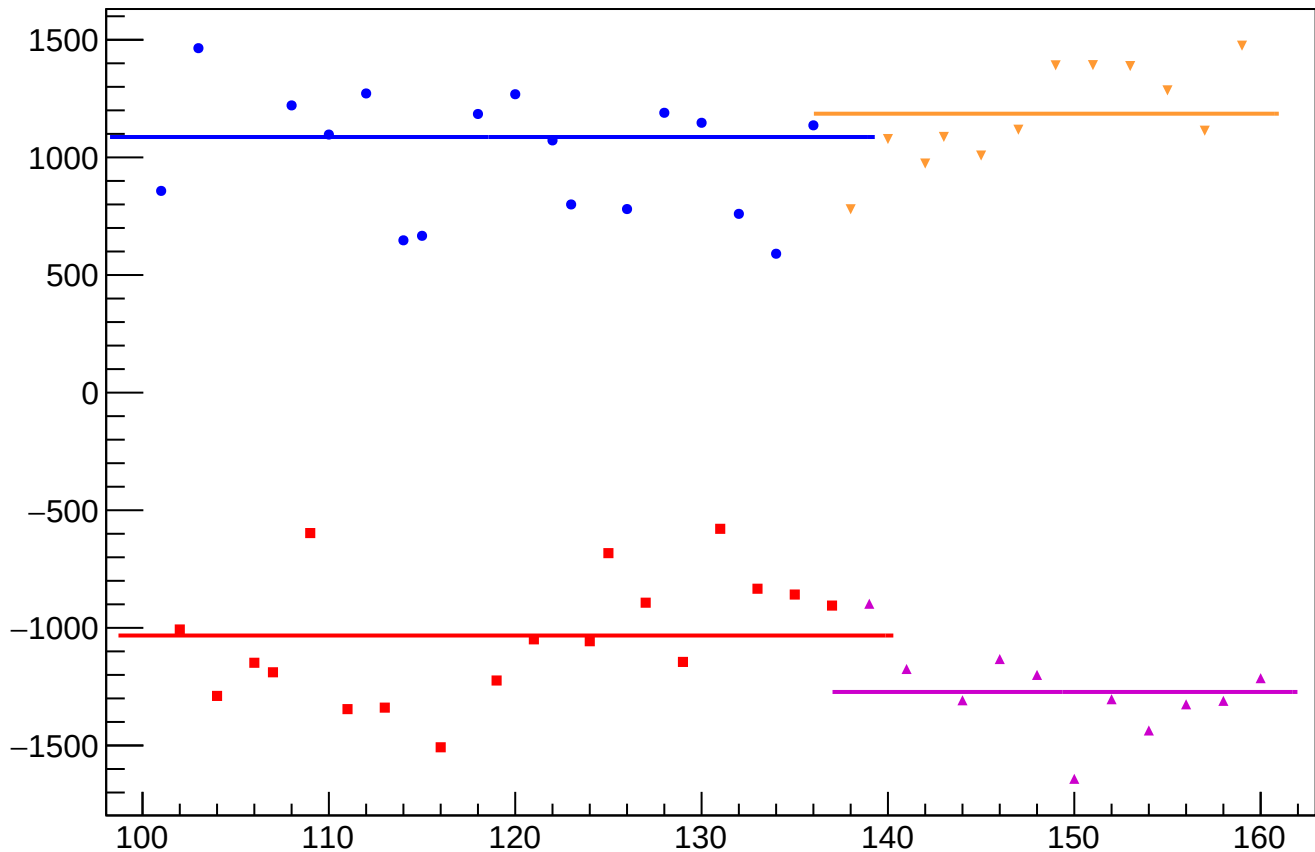
All: 97.376+/-0.000 χ^2/NDF : 6955557422403

dit_usr_coil3_err_mean vs Slug, Sign Corrected



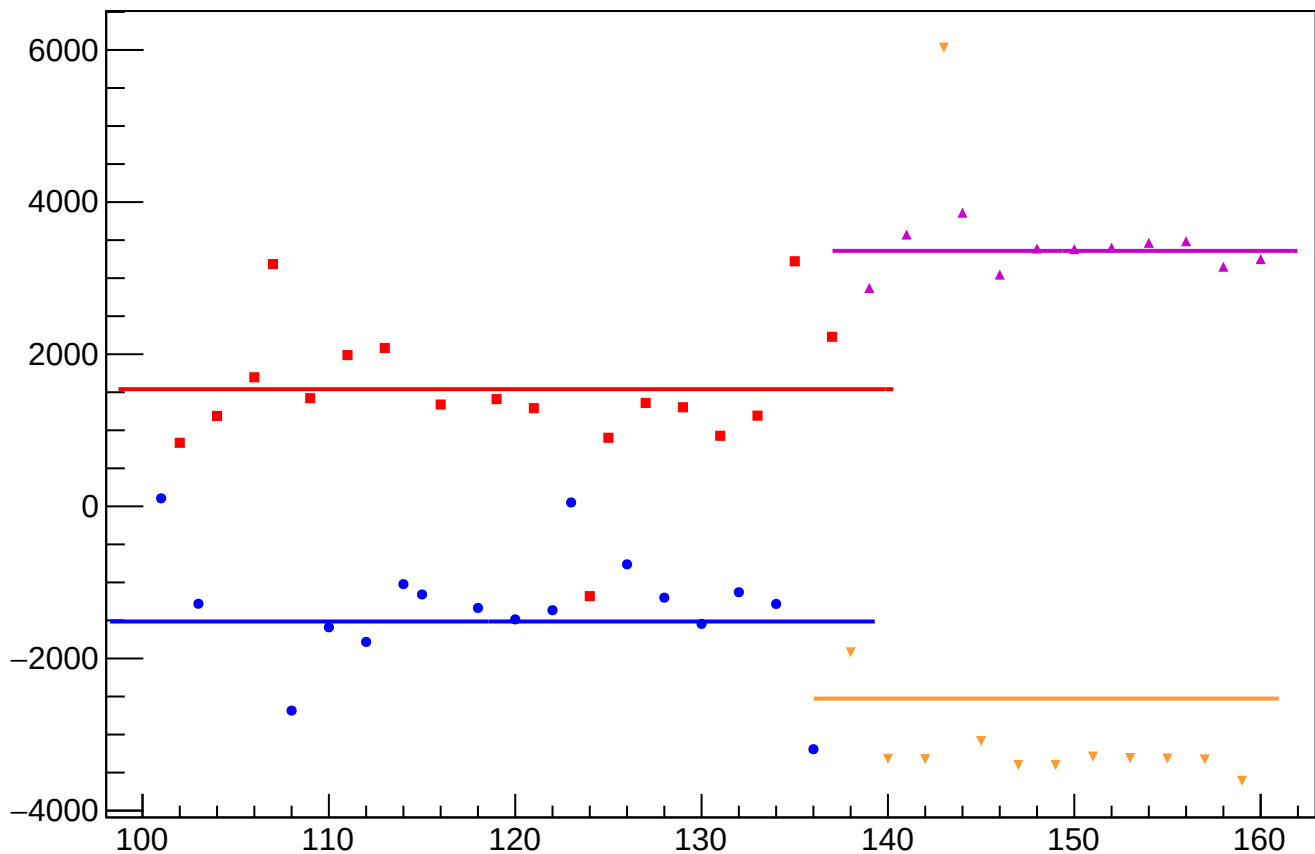
Right In: 264.557+/-0.000 χ^2/NDF : 27392235444982313348552279916984401920.0/16
 Left Out: 172.461+/-0.000 χ^2/NDF : 1337859782705403198008239582328389632.0/11
 Right Out: -273.375+/-0.000 χ^2/NDF : 22103440288407609769259099140296540160.0/17
 Left In: -175.349+/-0.000 χ^2/NDF : 519457890651720785160381502035329024.0/10
 All: -5.750+/-0.000 χ^2/NDF : 2089768409567

dit_usr_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695 $\pm$ 0.000 χ^2 /NDF: 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823 $\pm$ 0.000 χ^2 /NDF: 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544 $\pm$ 0.000 χ^2 /NDF: 47614887029691398867923382029973979136.0/17
 Left In: -1272.495 $\pm$ 0.000 χ^2 /NDF: 29878198288838193261445678233542459392.0/10
 All: -28.738 $\pm$ 0.000 χ^2 /NDF: 451779050699

dit_atl1_coil3_mean vs Slug, Sign Corrected



Right In: -1513.653+/-0.000

Left Out: -2527.006+/-0.000

Right Out: 1540.621+/-0.000

Left In: 3358.797+/-0.000

χ^2/NDF : 514234912482757513557339366977389461504.0/16

χ^2/NDF : 5451232990455416155360910698566211600384.0/11

χ^2/NDF : 446199417852057016559160819528574697472.0/17

χ^2/NDF : 60700995686323483961460541092630888448.0/10

Left: 454.239+/-0.000 χ^2/NDF : 2146217616354959

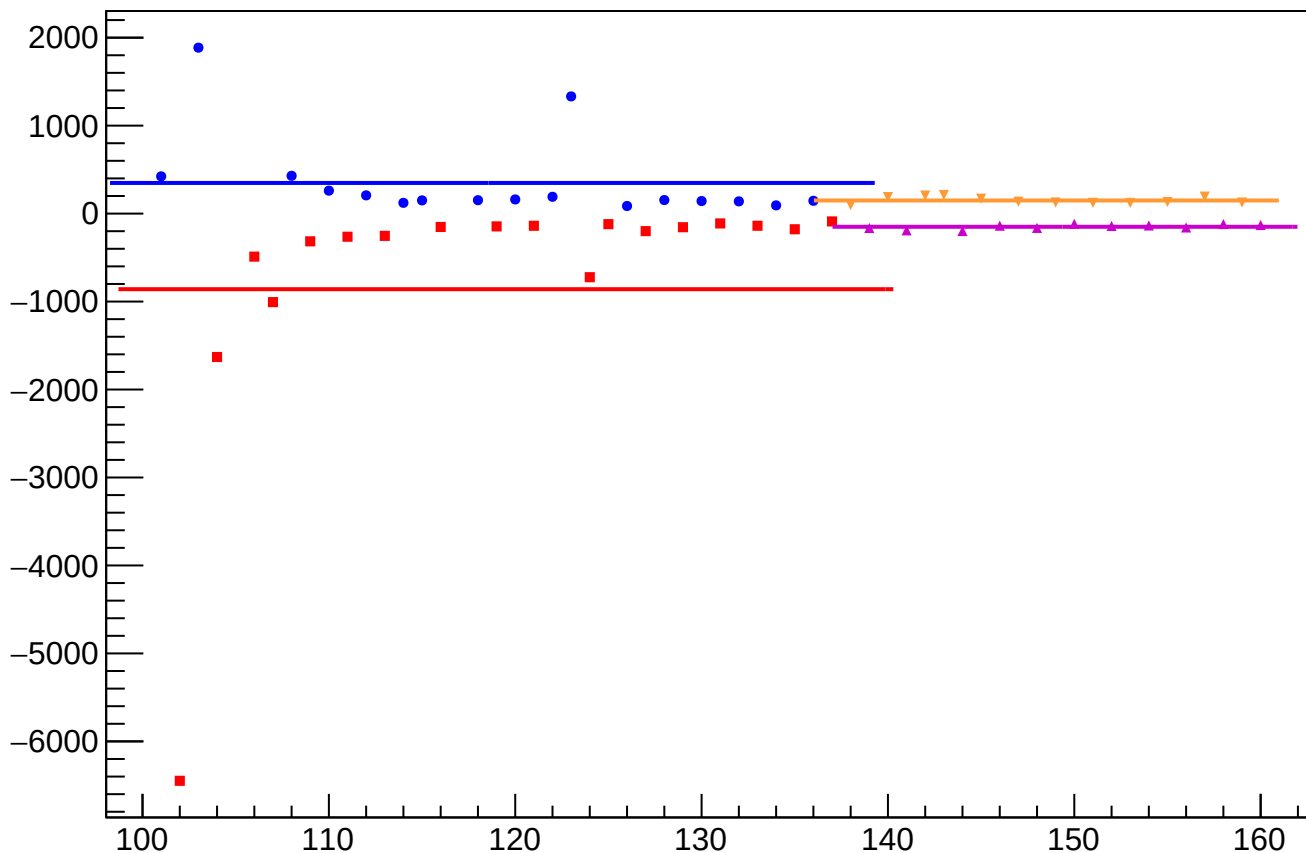
Right: 36.245+/-0.000 χ^2/NDF : 4245699622257131

In: 1280.444+/-0.000 χ^2/NDF : 100231179905351

Out: -736.148+/-0.000 χ^2/NDF : 125190807044602

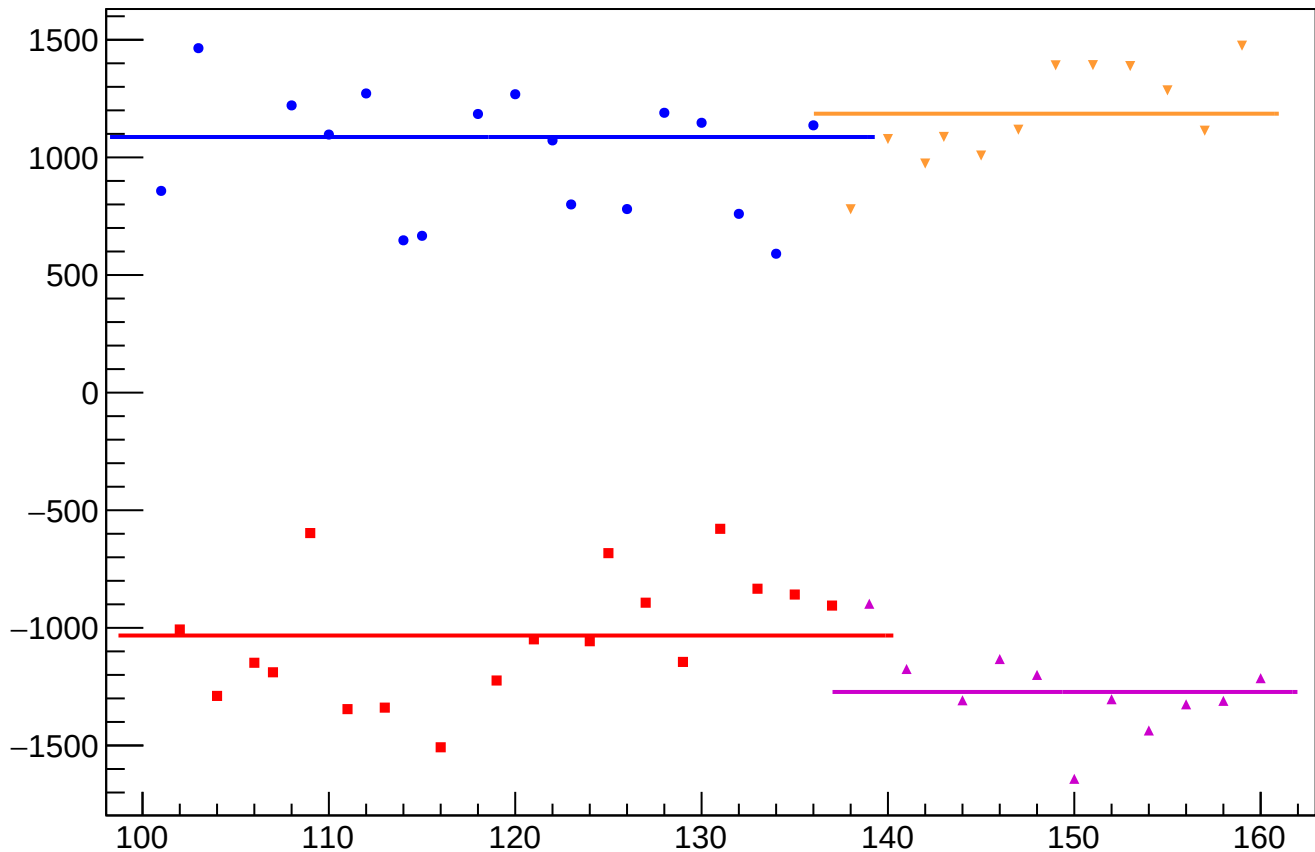
All: 273.078+/-0.000 χ^2/NDF : 258473599670

dit_atl1_coil3_err_mean vs Slug, Sign Corrected



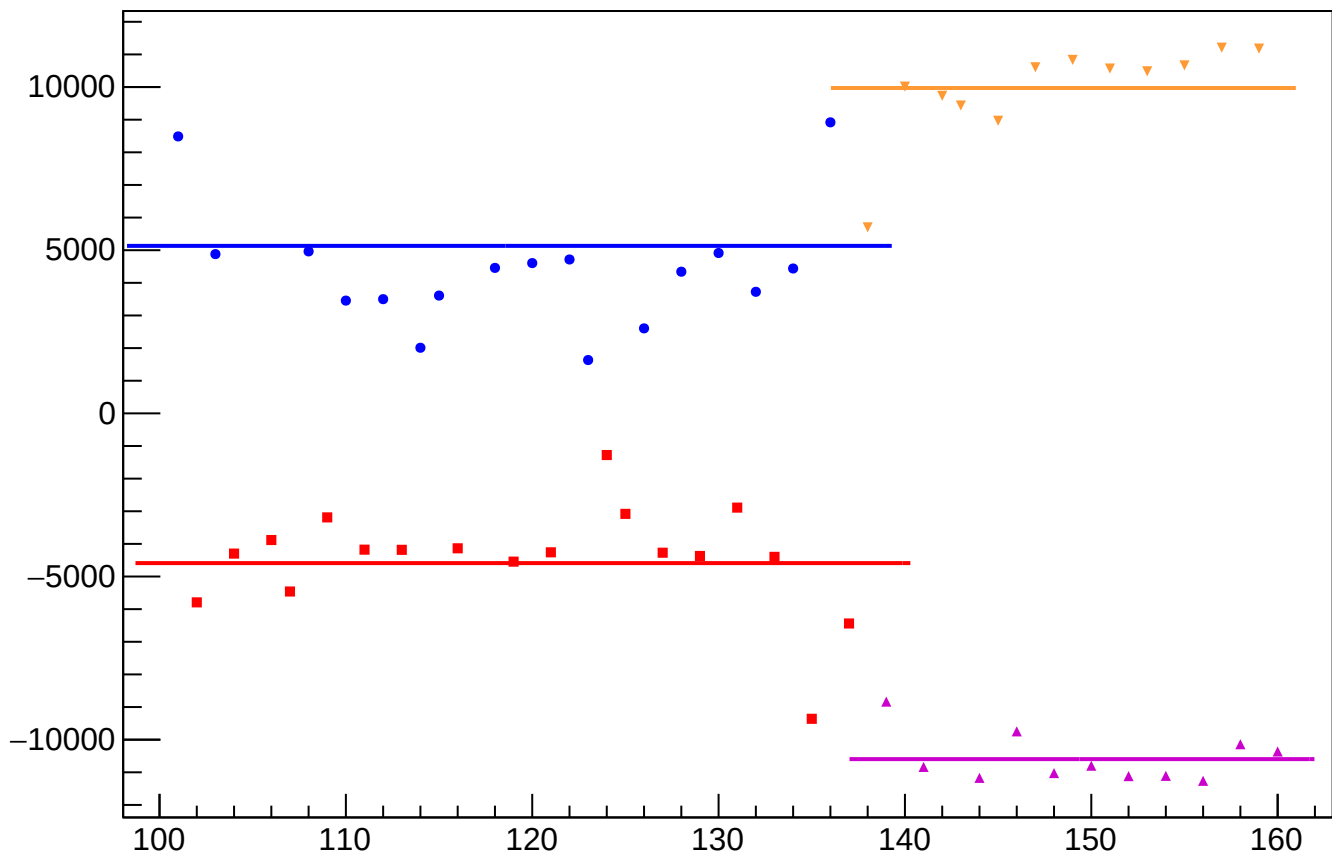
Right In: 348.444+/-0.000 χ^2/NDF : 164421878122610355371654497383202422784.0/16
 Left Out: 149.175+/-0.000 χ^2/NDF : 1154008557616927305320355624438988800.0/11
 Right Out: -859.360+/-0.000 χ^2/NDF : 2089894584846900651264019930845330538496.0/17
 Left In: -149.996+/-0.000 χ^2/NDF : 634211210391111193289402478351089664.0/10
 All: -115.955+/-0.000 χ^2/NDF : 28659014260

dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_atl2_coil3_mean vs Slug, Sign Corrected



Right In: 5133.097 $\pm$ 0.000

χ^2/NDF : 2783606731789543492542627200033364115456.0/16

Left Out: 9970.965 $\pm$ 0.000

χ^2/NDF : 1934561351581385388949199210125109231616.0/11

Right Out: -4588.565 $\pm$ 0.000

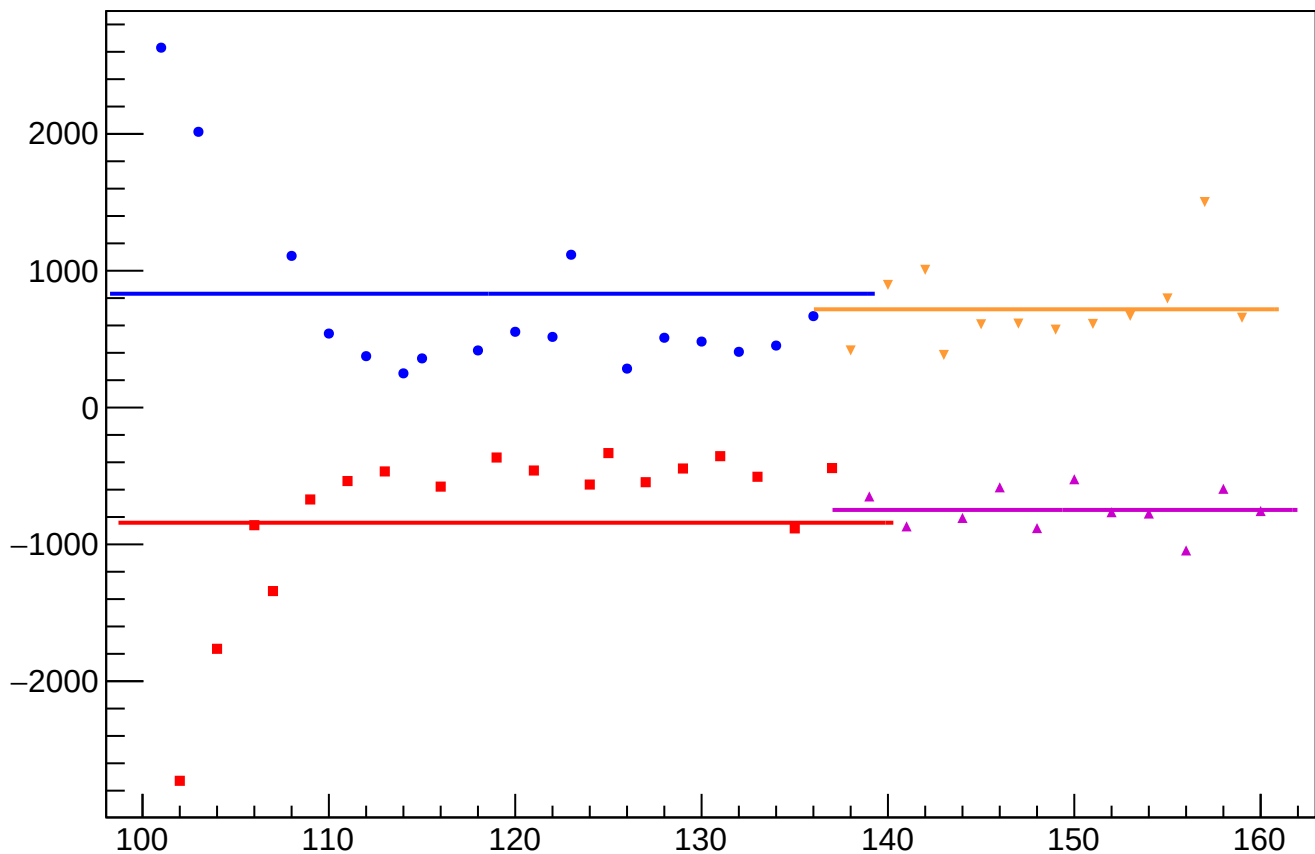
χ^2/NDF : 1762679658137517030098233744958039261184.0/17

Left In: -10595.738 $\pm$ 0.000

χ^2/NDF : 468576856430233997179123685345978220544.0/10

All: -166.309 $\pm$ 0.000 χ^2/NDF : 23532028445

dit_atl2_coil3_err_mean vs Slug, Sign Corrected



Right In: 831.957+/-0.000

χ^2/NDF : 349451729062960856481628082238677581824.0/16

Left Out: 718.149+/-0.000

χ^2/NDF : 71937620206312488089989876430797799424.0/11

Right Out: -841.697+/-0.000

χ^2/NDF : 327194571788790762884924618221350289408.0/17

Left In: -748.248+/-0.000

χ^2/NDF : 19684275040316832189212720213180547072.0/10

Left: -24.603+/-0.000 χ^2/NDF : 1081677196485158

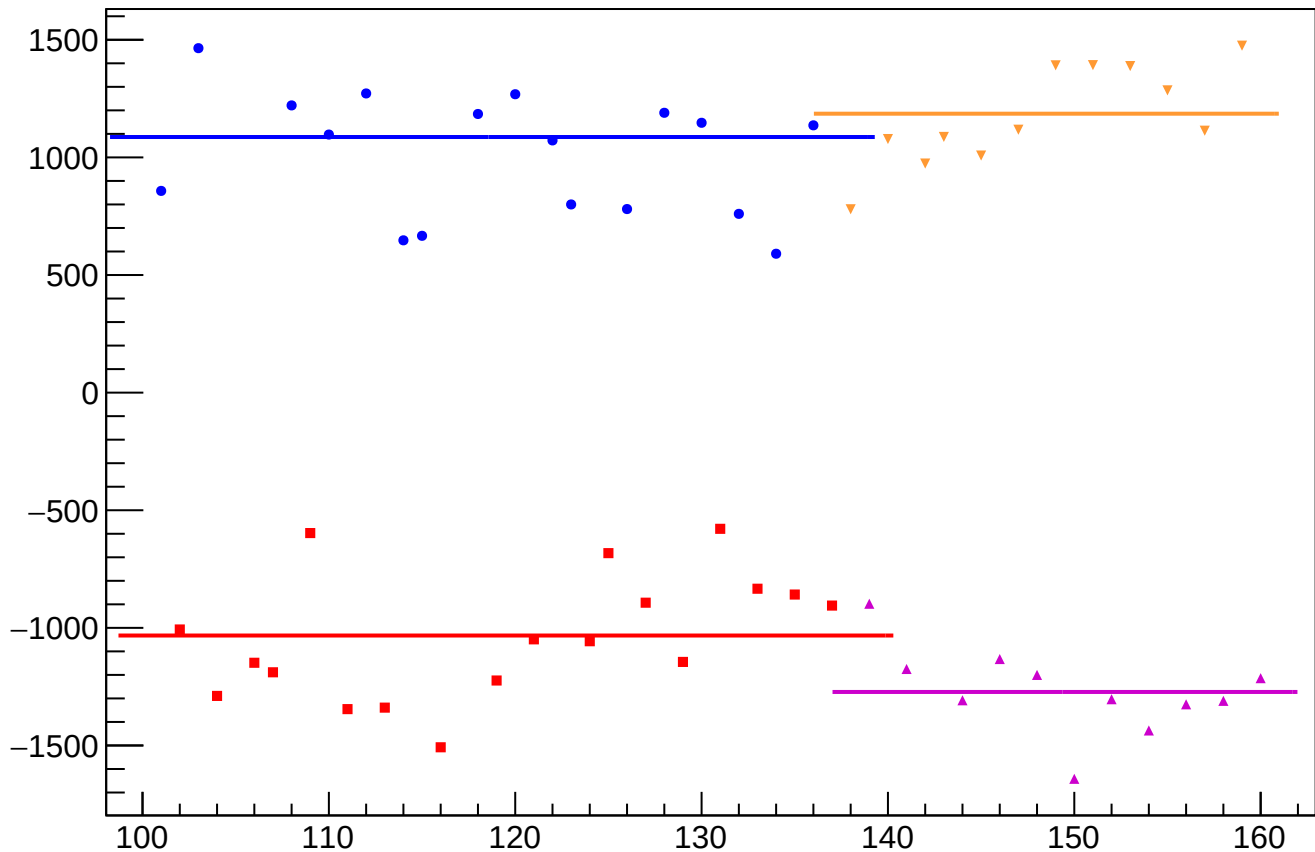
Right: -17.342+/-0.000 χ^2/NDF : 166312131031123

In: -74.209+/-0.000 χ^2/NDF : 13628941375185424

Out: 31.394+/-0.000 χ^2/NDF : 13728826977796212

All: -21.456+/-0.000 χ^2/NDF : 274484058826

dit_atl2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

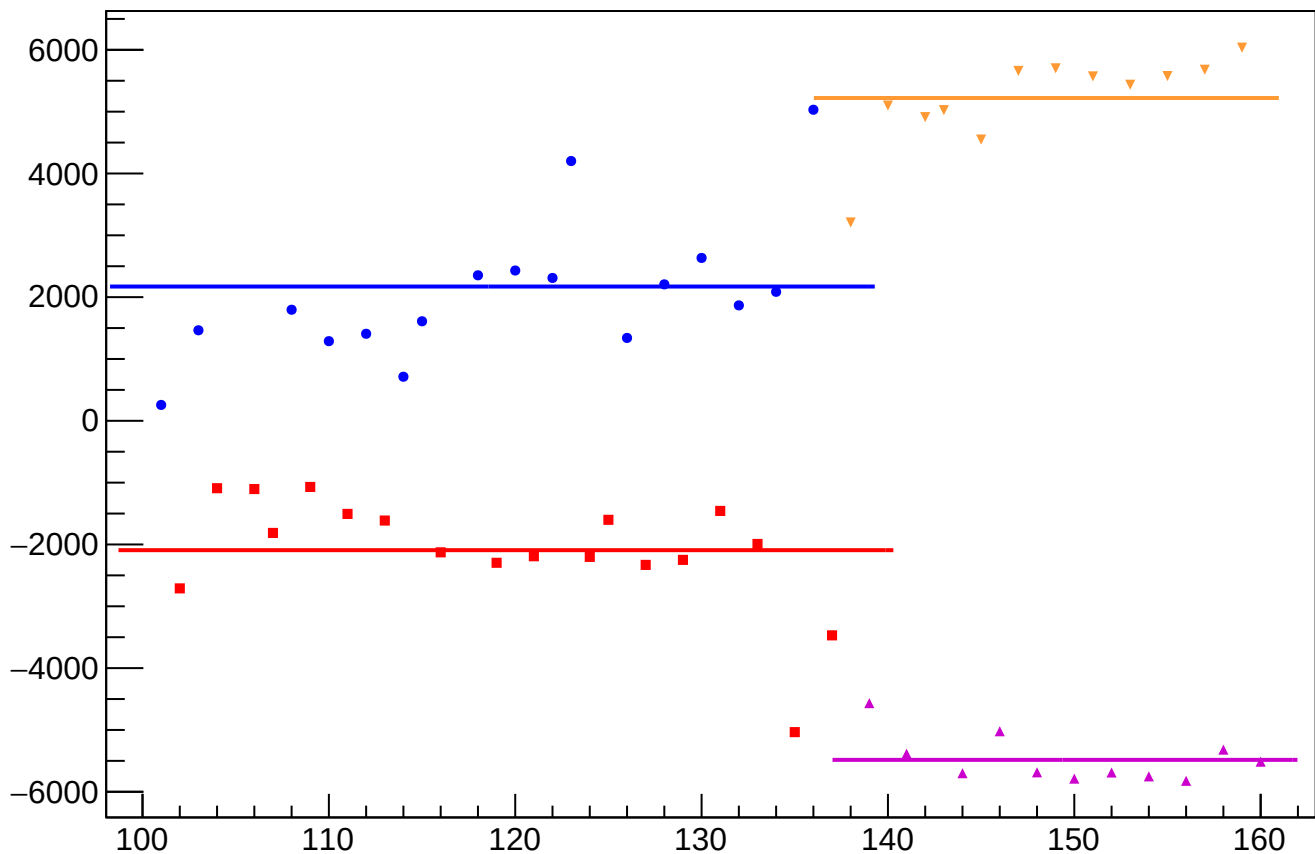
χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

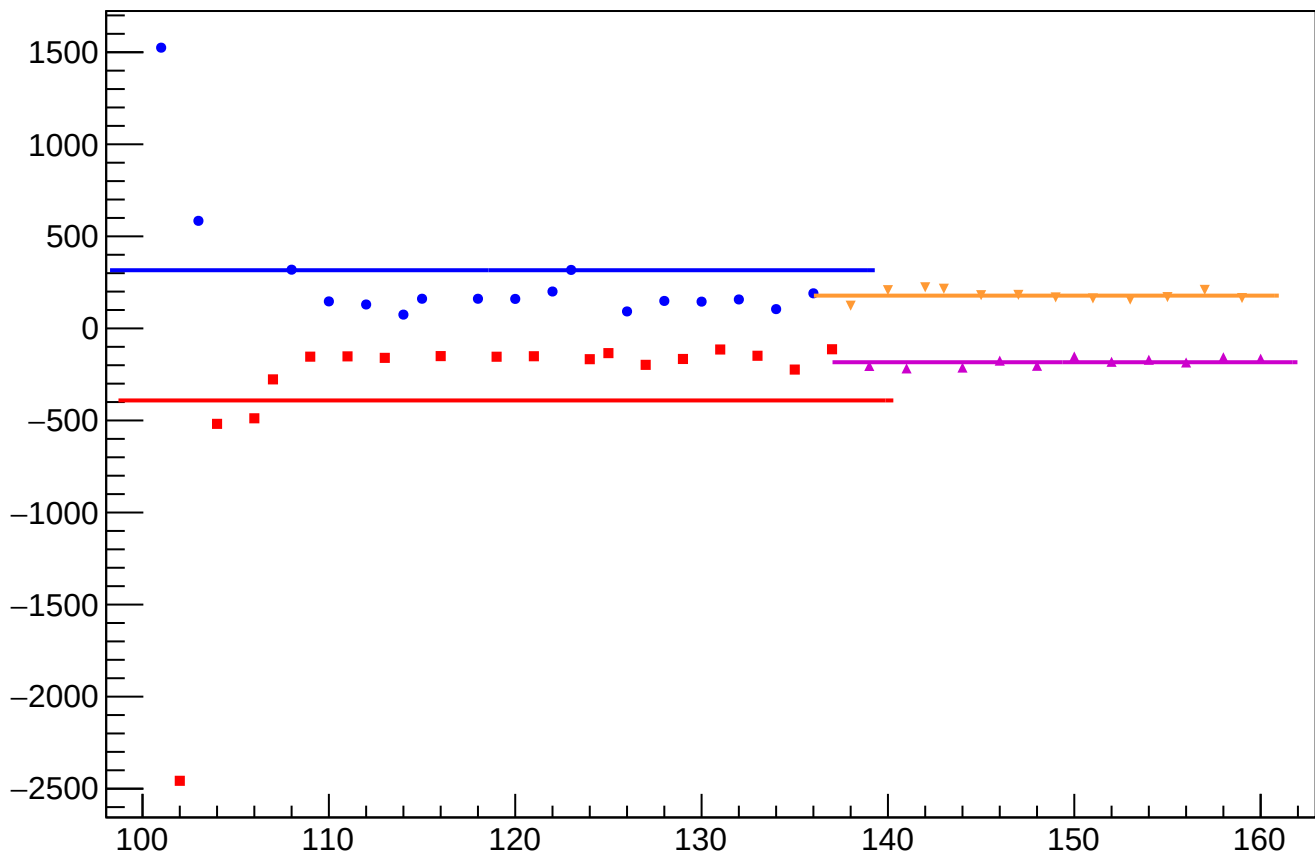
Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934
 Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158
 In: -266.178+/-0.000 χ^2/NDF : 2279519380852013
 Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_atr1_coil3_mean vs Slug, Sign Corrected



Right In: 2171.584+/-0.000 χ^2/NDF : 1121481436711992505747608002078061887488.0/16
 Left Out: 5221.037+/-0.000 χ^2/NDF : 4857654311050292854338300000844618072064.0/11
 Right Out: -2092.361+/-0.000 χ^2/NDF : 667441885377832140265043131761621467136.0/17
 Left In: -5483.850+/-0.000 χ^2/NDF : 124207618021639643047117923230651777024.0/10
 All: -110.571+/-0.000 χ^2/NDF : 61598535093

dit_atr1_coil3_err_mean vs Slug, Sign Corrected



Right In: 315.988+/-0.000

χ^2/NDF : 105245970043528229052885068868464148480.0/16

Left Out: 178.075+/-0.000

χ^2/NDF : 651585134849869206771008425477275648.0/11

Right Out: -391.241+/-0.000

χ^2/NDF : 278615743451952201300141162839823876096.0/17

Left In: -183.693+/-0.000

χ^2/NDF : 436901081723904411805948593427185664.0/10

Left: -5.166+/-0.000 χ^2/NDF : 61346427687473647

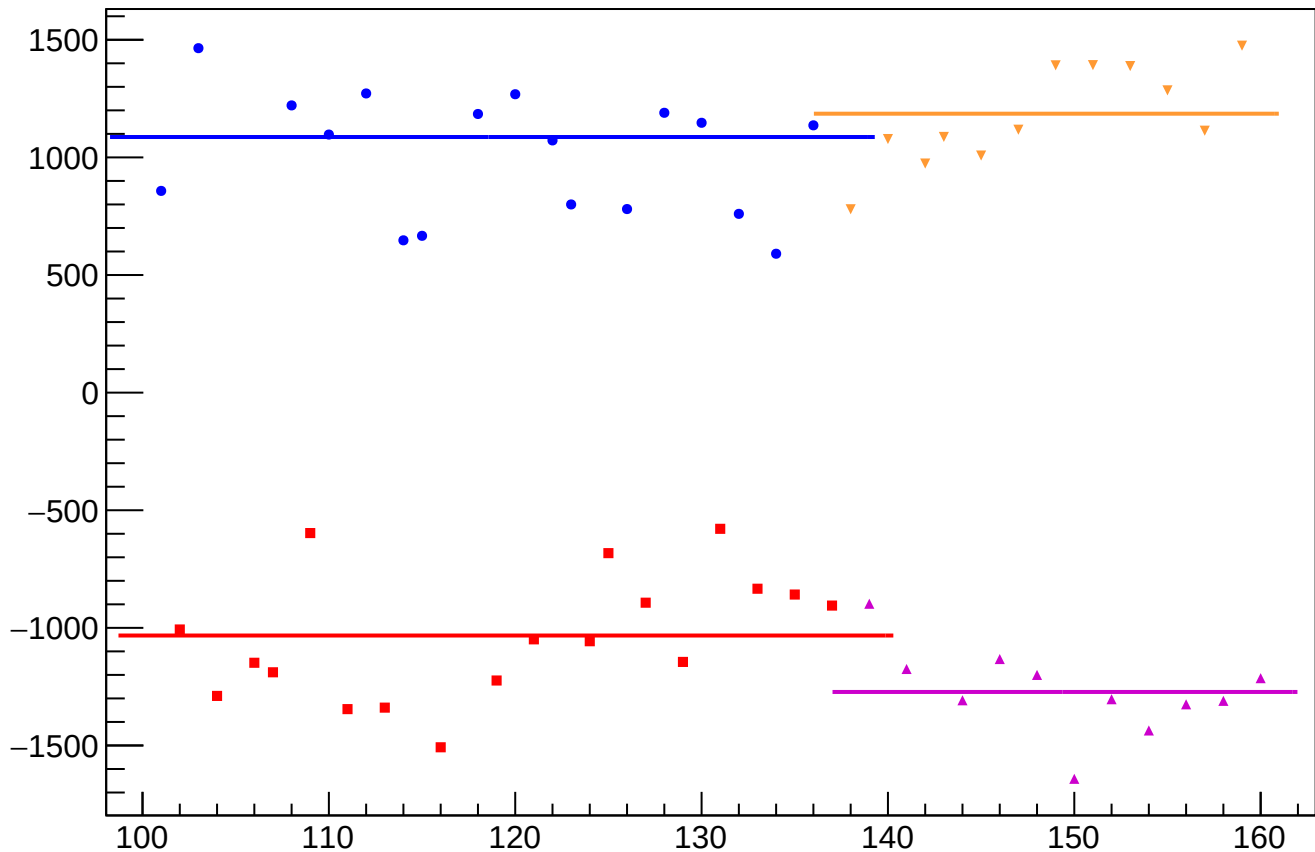
Right: -42.897+/-0.000 χ^2/NDF : 560008515925605

In: 29.447+/-0.000 χ^2/NDF : 205049108626459629

Out: -72.578+/-0.000 χ^2/NDF : 4089822569698594

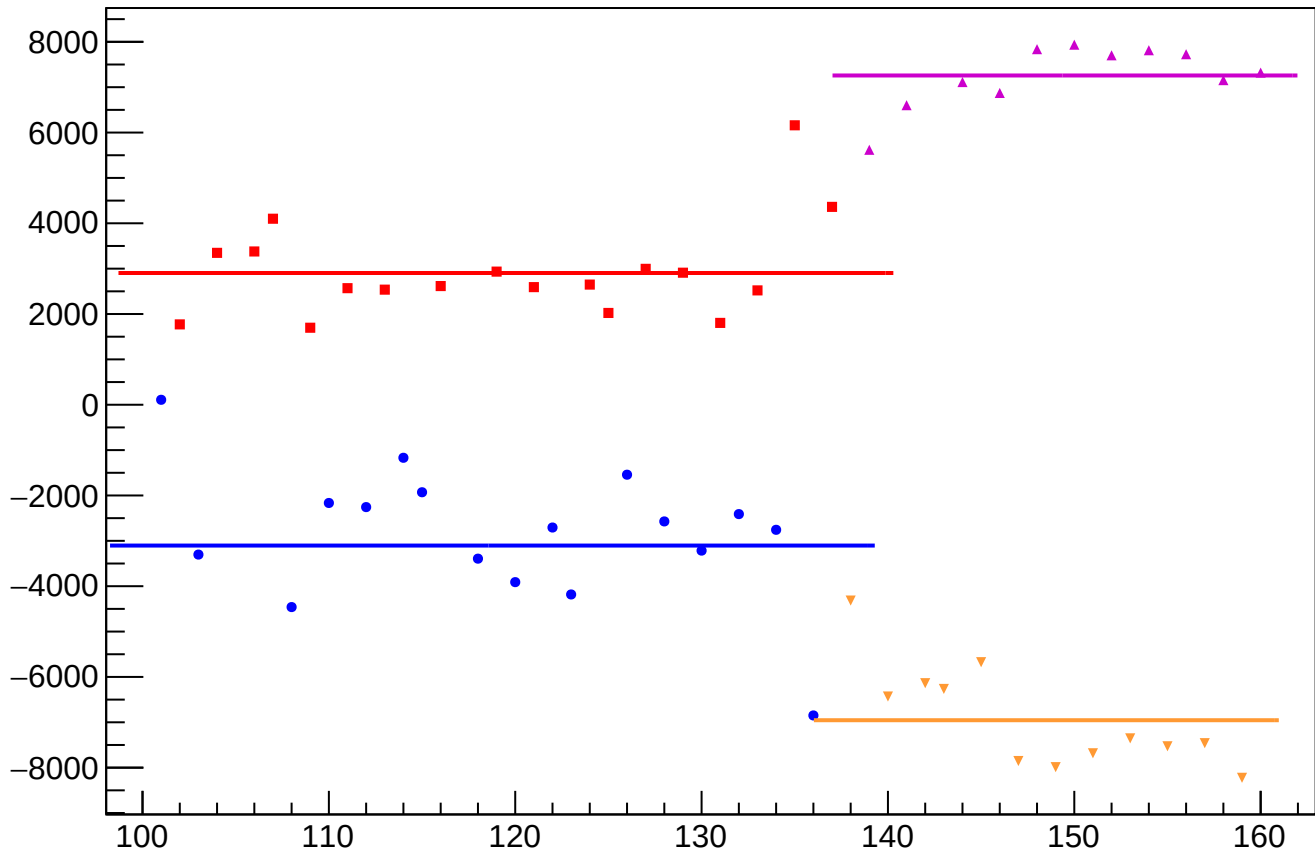
All: -21.518+/-0.000 χ^2/NDF : 622491467399

dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_atr2_coil3_mean vs Slug, Sign Corrected



Right In: -3104.086+/-0.000

Left Out: -6954.312+/-0.000

Right Out: 2904.095+/-0.000

Left In: 7258.241+/-0.000

χ^2/NDF : 2219830093322908449503226232551283621888.0/16

χ^2/NDF : 1136997499681278393426195734690374090752.0/11

χ^2/NDF : 863466592603439885705858083509569060864.0/17

χ^2/NDF : 401725539598456185043422844347240939520.0/10

Left: 244.554+/-0.000 χ^2/NDF : 9454239531636399

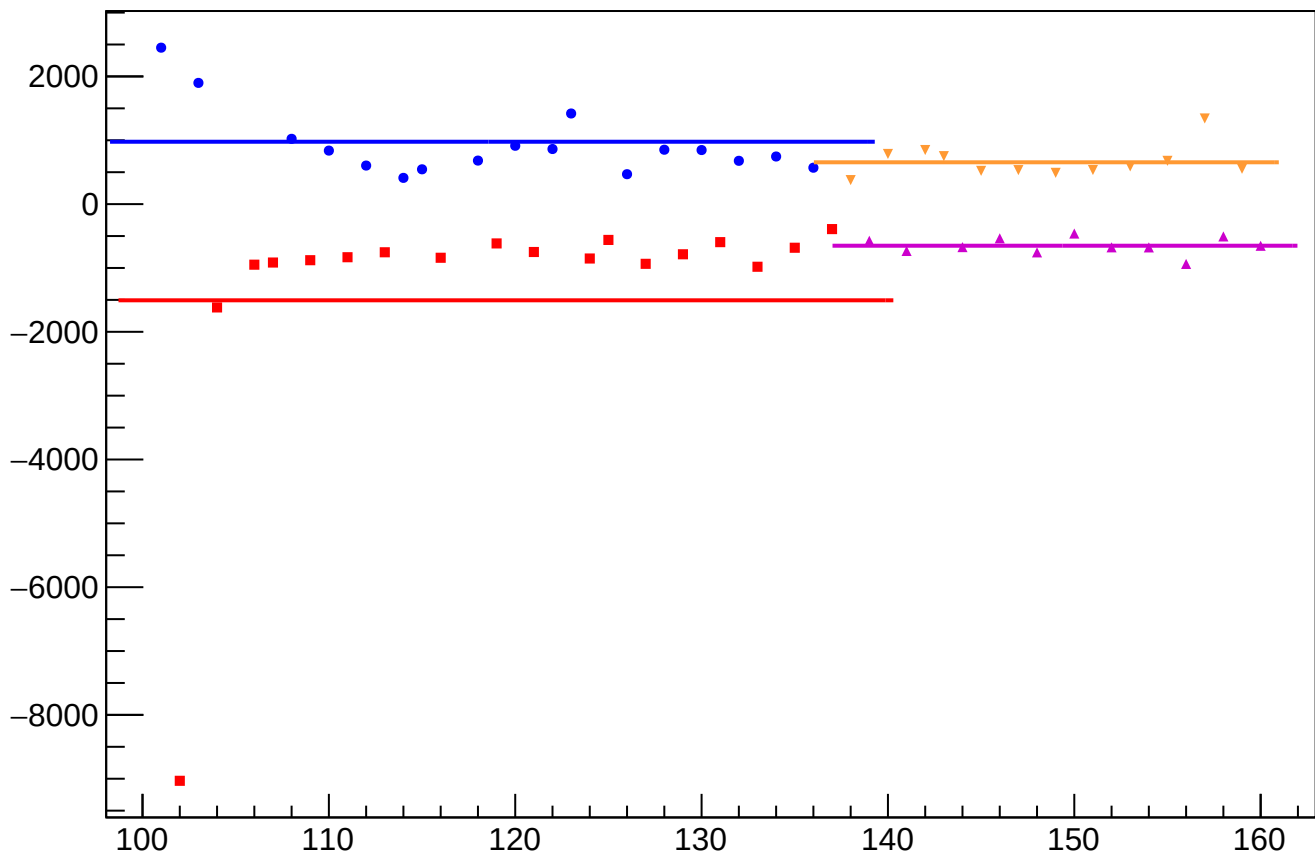
Right: -55.222+/-0.000 χ^2/NDF : 157960799748742

In: 2838.170+/-0.000 χ^2/NDF : 4535502787574974

Out: -2613.942+/-0.000 χ^2/NDF : 40895790477576

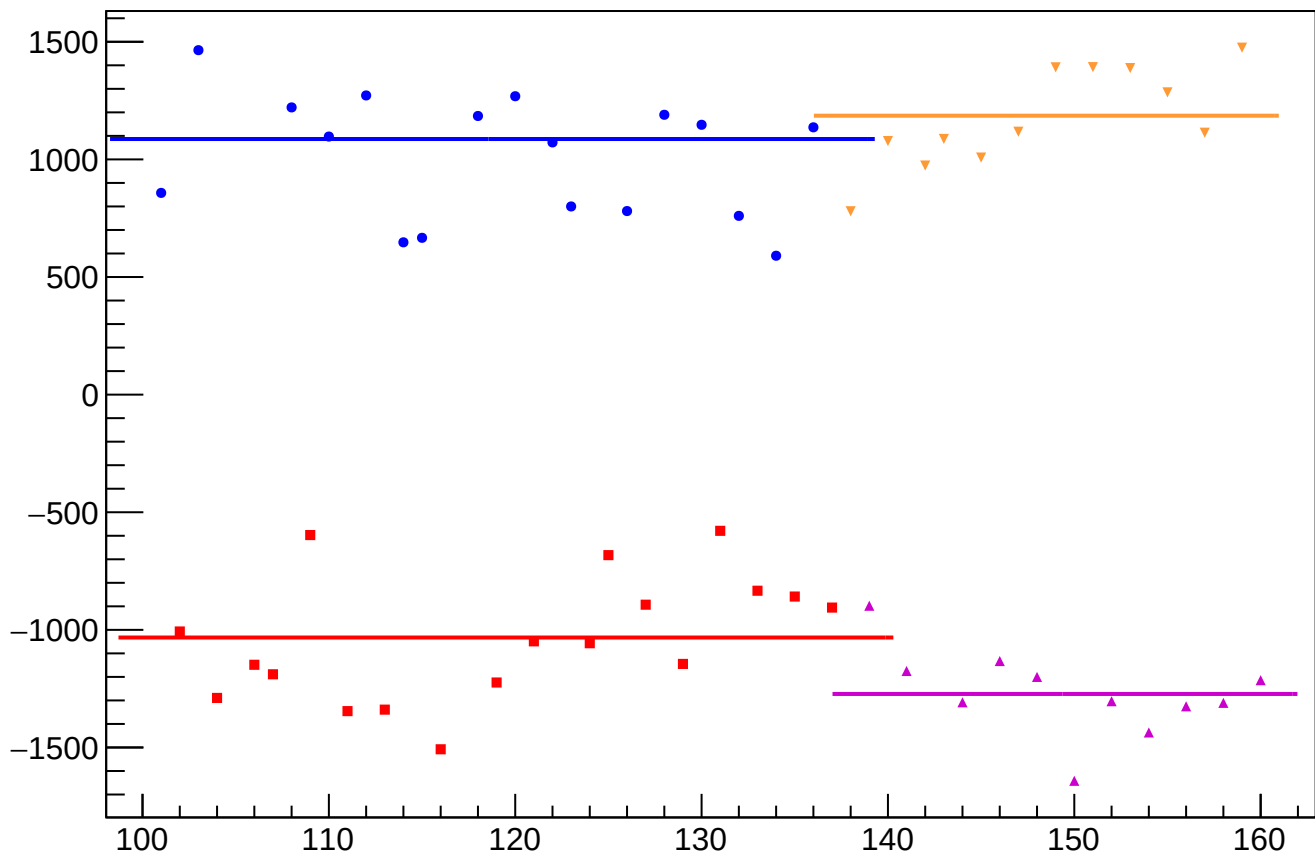
All: 114.630+/-0.000 χ^2/NDF : 11041021813

dit_atr2_coil3_err_mean vs Slug, Sign Corrected



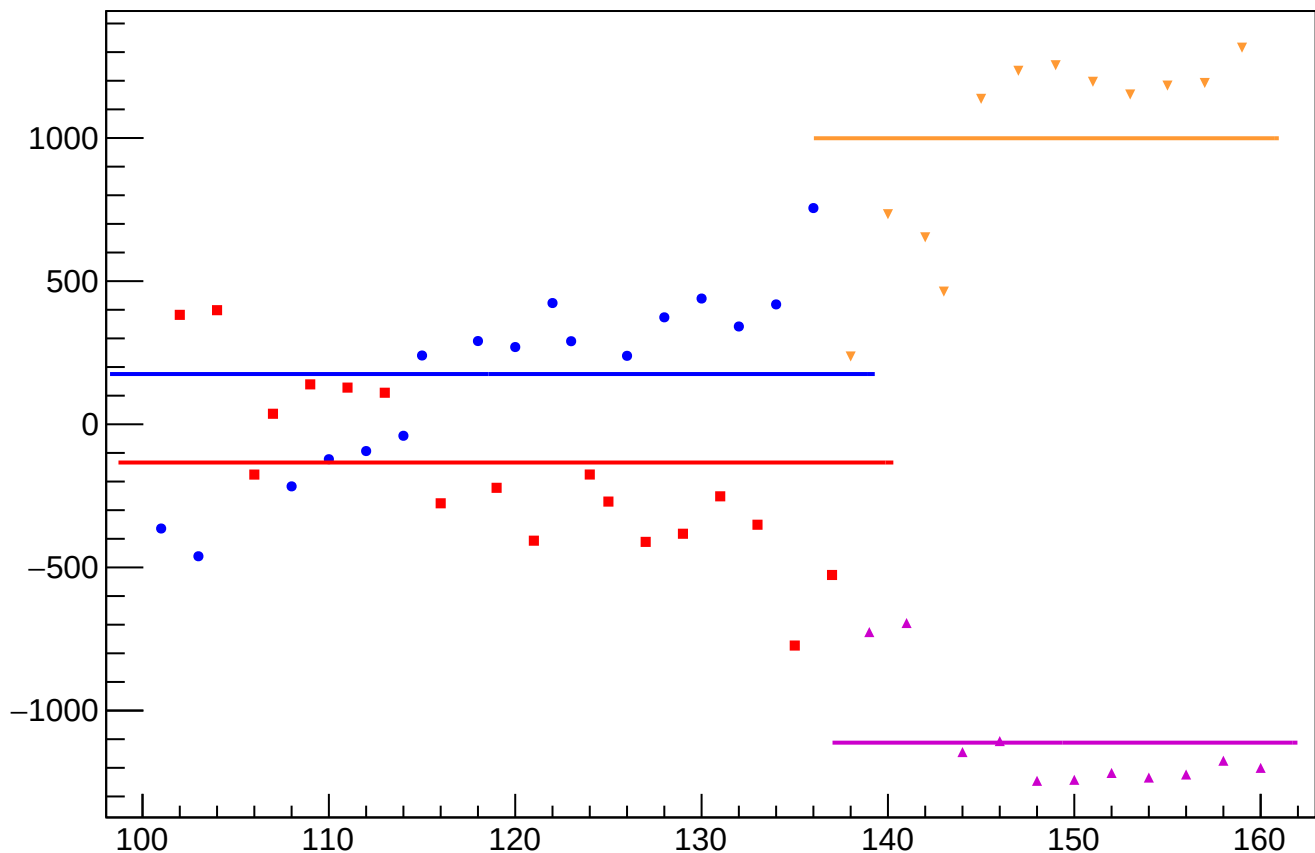
Right In: 977.095 ± 0.000 $\chi^2/\text{NDF}: 229572106069348964280530708212477853696.0/16$
 Left Out: 655.166 ± 0.000 $\chi^2/\text{NDF}: 51874874251518032023744139034586251264.0/11$
 Right Out: -1506.543 ± 0.000 $\chi^2/\text{NDF}: 3621204096431683433019783695973291655168.0/17$
 Left In: -651.533 ± 0.000 $\chi^2/\text{NDF}: 14771751730893507411820547842989096960.0/10$
 All: -126.548 ± 0.000 $\chi^2/\text{NDF}: 69369825406$

dit_atr2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam1_coil3_mean vs Slug, Sign Corrected



Right In: 175.537 +/- 0.000

χ^2/NDF : 95726276788203913105887314540463390720.0/16

Left Out: 999.146 +/- 0.000

χ^2/NDF : 105564366035075461974618801527085596672.0/11

Right Out: -133.524 +/- 0.000

χ^2/NDF : 76029583873433989388564211432616361984.0/17

Left In: -1112.074 +/- 0.000

χ^2/NDF : 34304488318555265110633397434623983616.0/10

Left: -70.218 +/- 0.000 χ^2/NDF : 2192085054079832

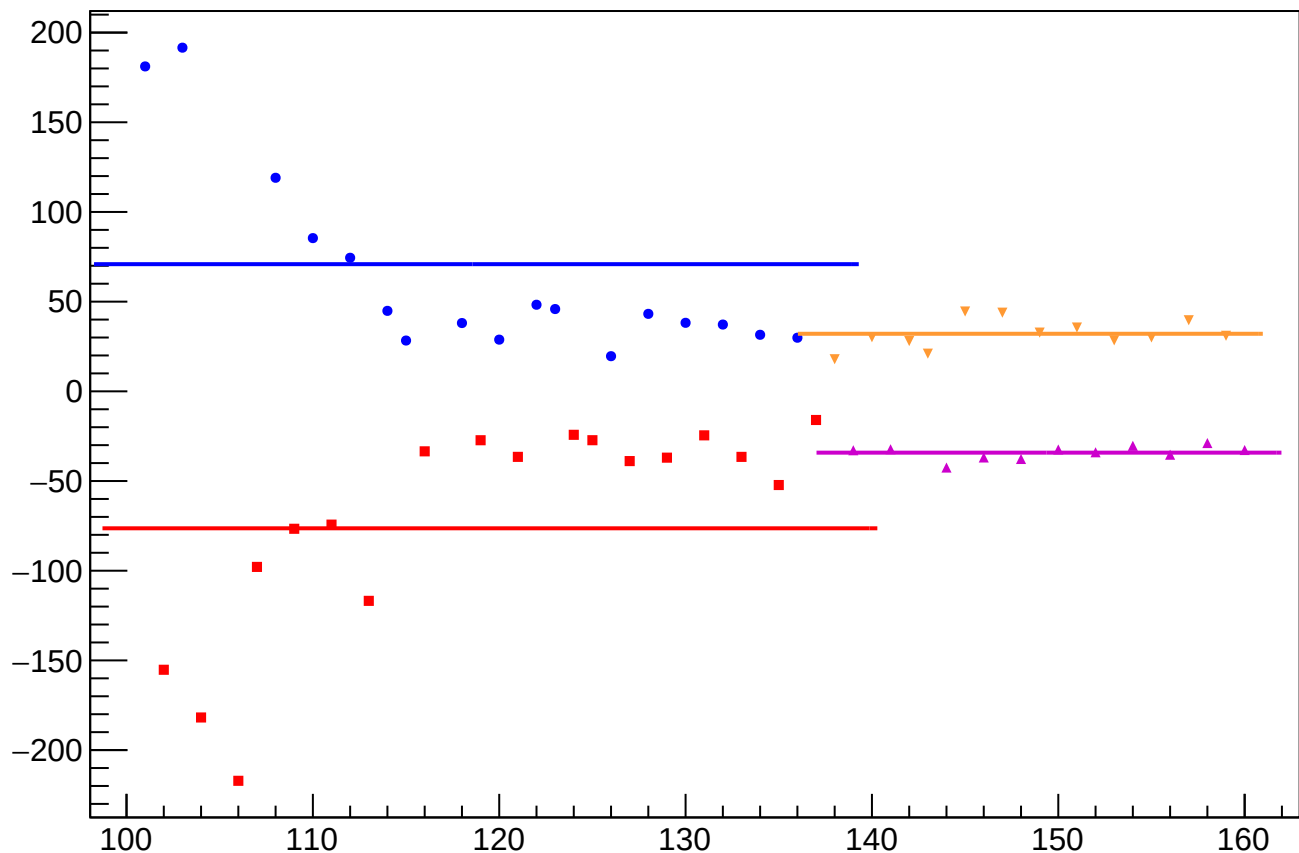
Right: 18.704 +/- 0.000 χ^2/NDF : 2053948365154779

In: -562.841 +/- 0.000 χ^2/NDF : 7898474617781587

Out: 500.465 +/- 0.000 χ^2/NDF : 6950350605404624

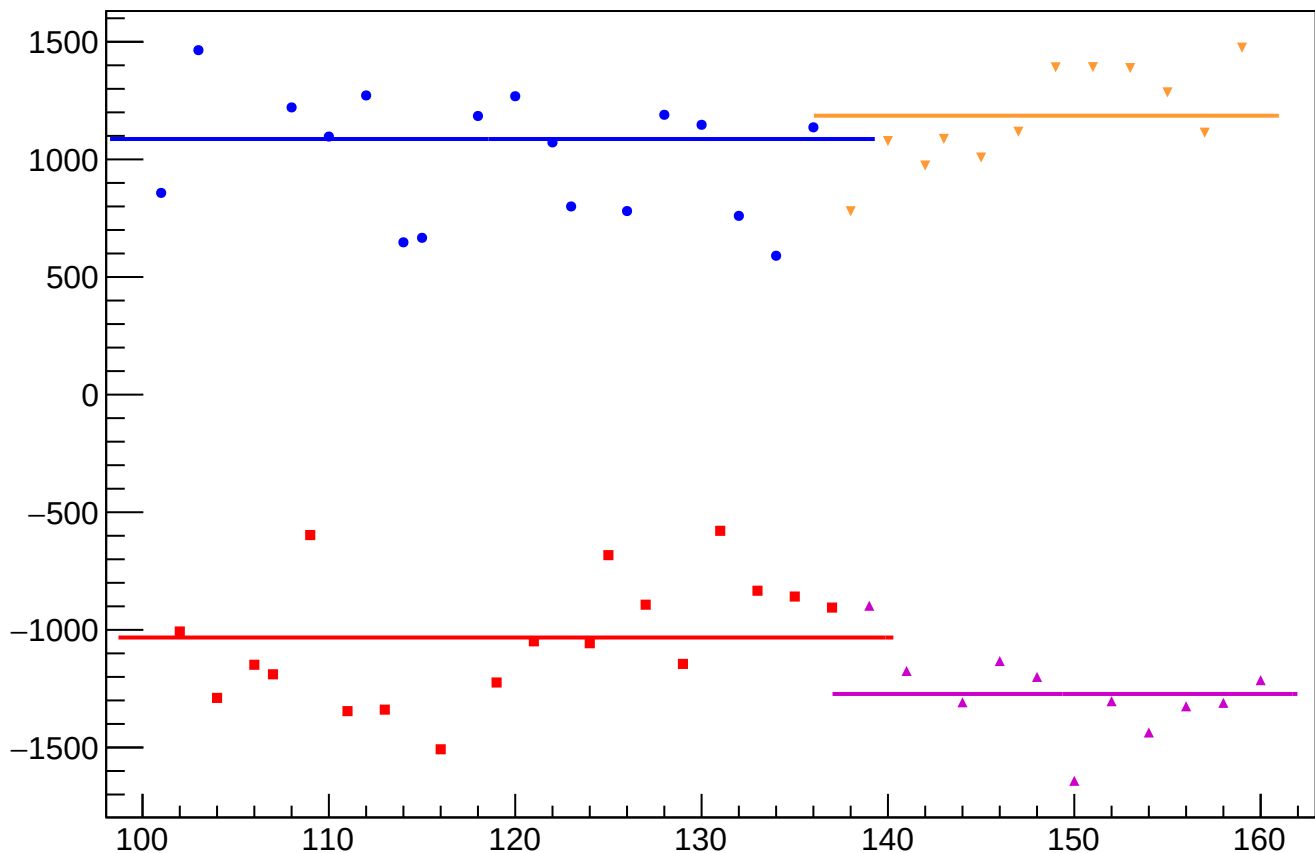
All: -31.679 +/- 0.000 χ^2/NDF : 240379233691

dit_sam1_coil3_err_mean vs Slug, Sign Corrected



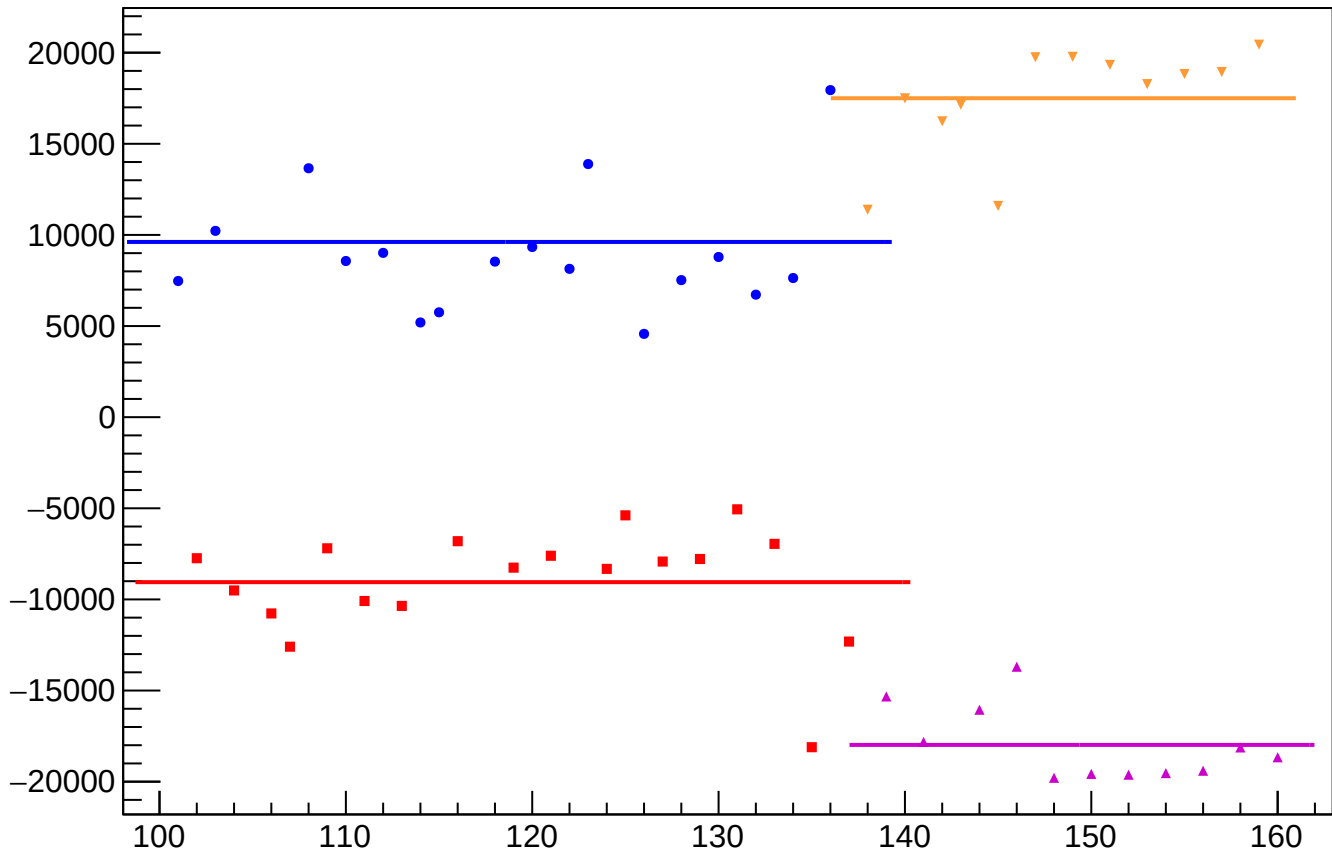
Right In: 70.892+/-0.000 χ^2/NDF : 2275734493854200628376973265629872128.0/16
 Left Out: 32.091+/-0.000 χ^2/NDF : 54625109486428917738965927425212416.0/11
 Right Out: -76.360+/-0.000 χ^2/NDF : 2382375226603203691068269213188620288.0/17
 Left In: -34.184+/-0.000 χ^2/NDF : 12426918146189706802189676664848384.0/10
 All: -2.498+/-0.000 χ^2/NDF : 1438817264667

dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected



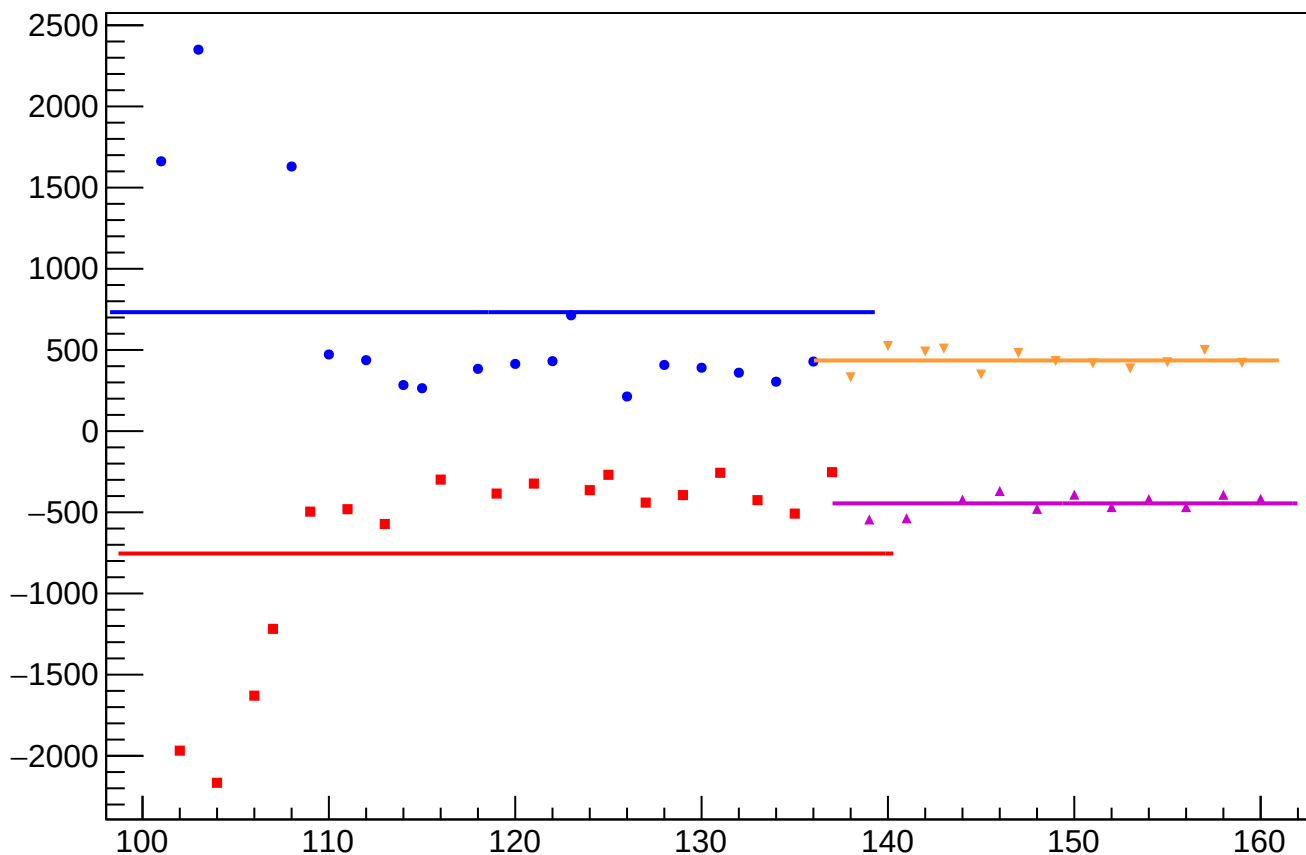
Right In: 1086.695 ± 0.000 $\chi^2/\text{NDF}: 34612834720892896264590202148866752512.0/16$
 Left Out: 1185.823 ± 0.000 $\chi^2/\text{NDF}: 37557683033316568818198536296895348736.0/11$
 Right Out: -1032.544 ± 0.000 $\chi^2/\text{NDF}: 47614887029691398867923382029973979136.0/17$
 Left In: -1272.495 ± 0.000 $\chi^2/\text{NDF}: 29878198288838193261445678233542459392.0/10$
 All: -28.738 ± 0.000 $\chi^2/\text{NDF}: 451779050699$

dit_sam2_coil3_mean vs Slug, Sign Corrected



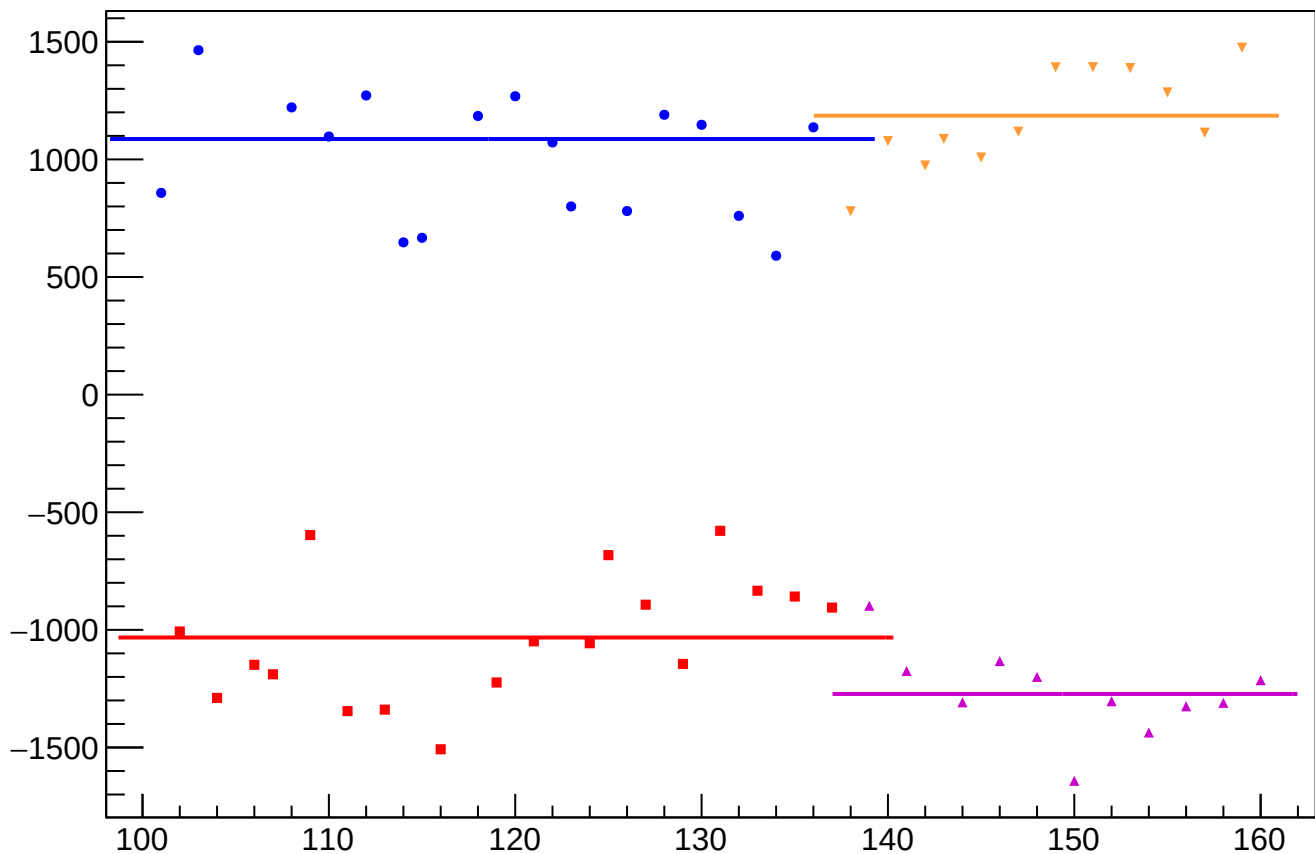
Right In: 9614.932 $\pm$ 0.000 χ^2 /NDF: 9450588438014082769578324832201526476800.0/16
 Left Out: 17500.786 $\pm$ 0.000 χ^2 /NDF: 7846813012026023217295297642858706632704.0/11
 Right Out: -9052.441 $\pm$ 0.000 χ^2 /NDF: 6723672544856808135538254172135519944704.0/17
 Left In: -17983.189 $\pm$ 0.000 χ^2 /NDF: 3584595715288567917039077291852254150656.0/10
 All: -206.039 $\pm$ 0.000 χ^2 /NDF: 73035158648

dit_sam2_coil3_err_mean vs Slug, Sign Corrected



Right In: 732.742+/-0.000 χ^2/NDF : 301740459340268060292037793871684435968.0/16
 Left Out: 435.461+/-0.000 χ^2/NDF : 3296772866704872156721083756341886976.0/11
 Right Out: -753.888+/-0.000 χ^2/NDF : 288199108578840040054796930815893700608.0/17
 Left In: -445.056+/-0.000 χ^2/NDF : 2842998762330216596366474874240106496.0/10
 All: -15.352+/-0.000 χ^2/NDF : 173147179684

dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

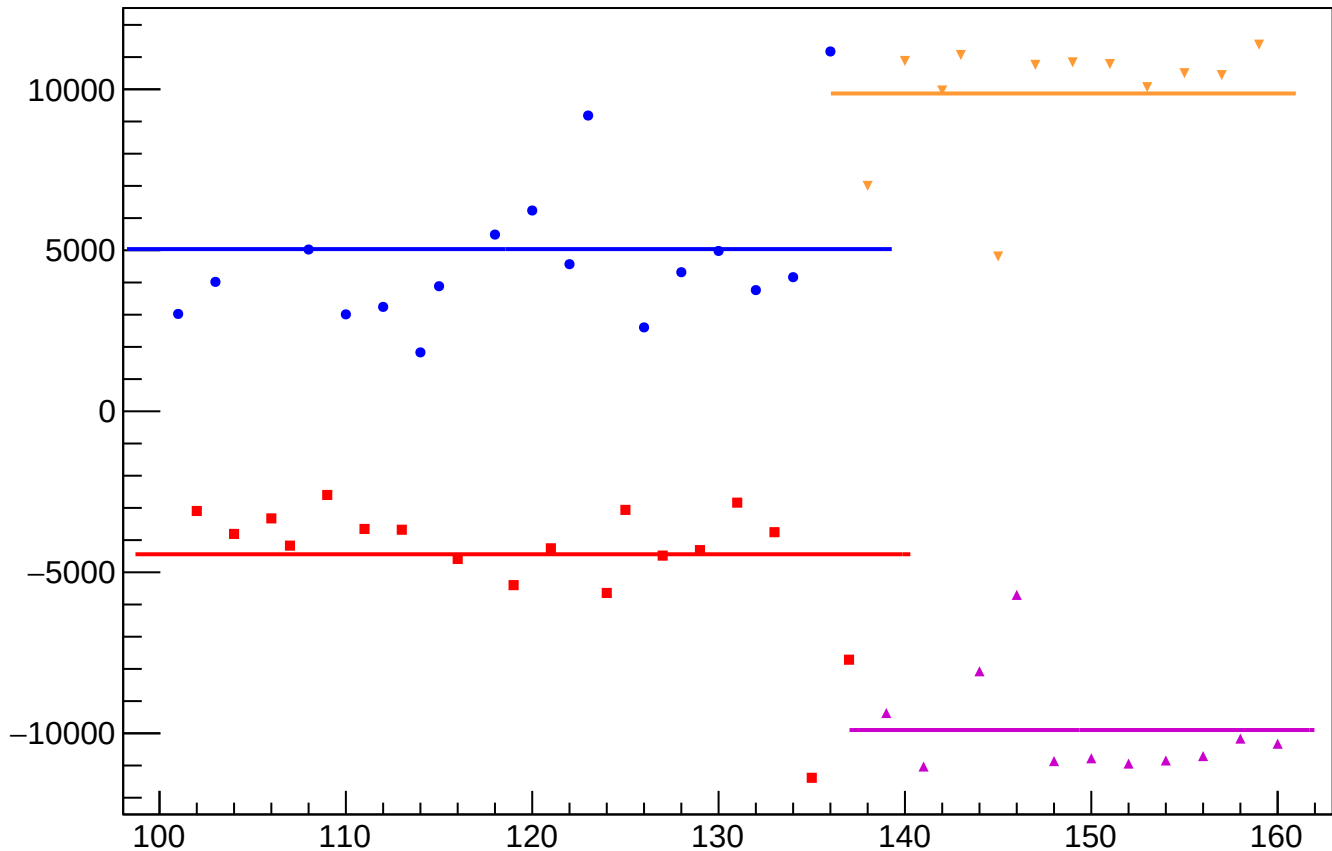
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam3_coil3_mean vs Slug, Sign Corrected



Right In: 5037.073+/-0.000

Left: -142.751+/-0.000 χ^2/NDF : 185463079567203

Left Out: 9869.728+/-0.000

Right: 228.228+/-0.000 χ^2/NDF : 393379023749041

Right Out: -4439.378+/-0.000

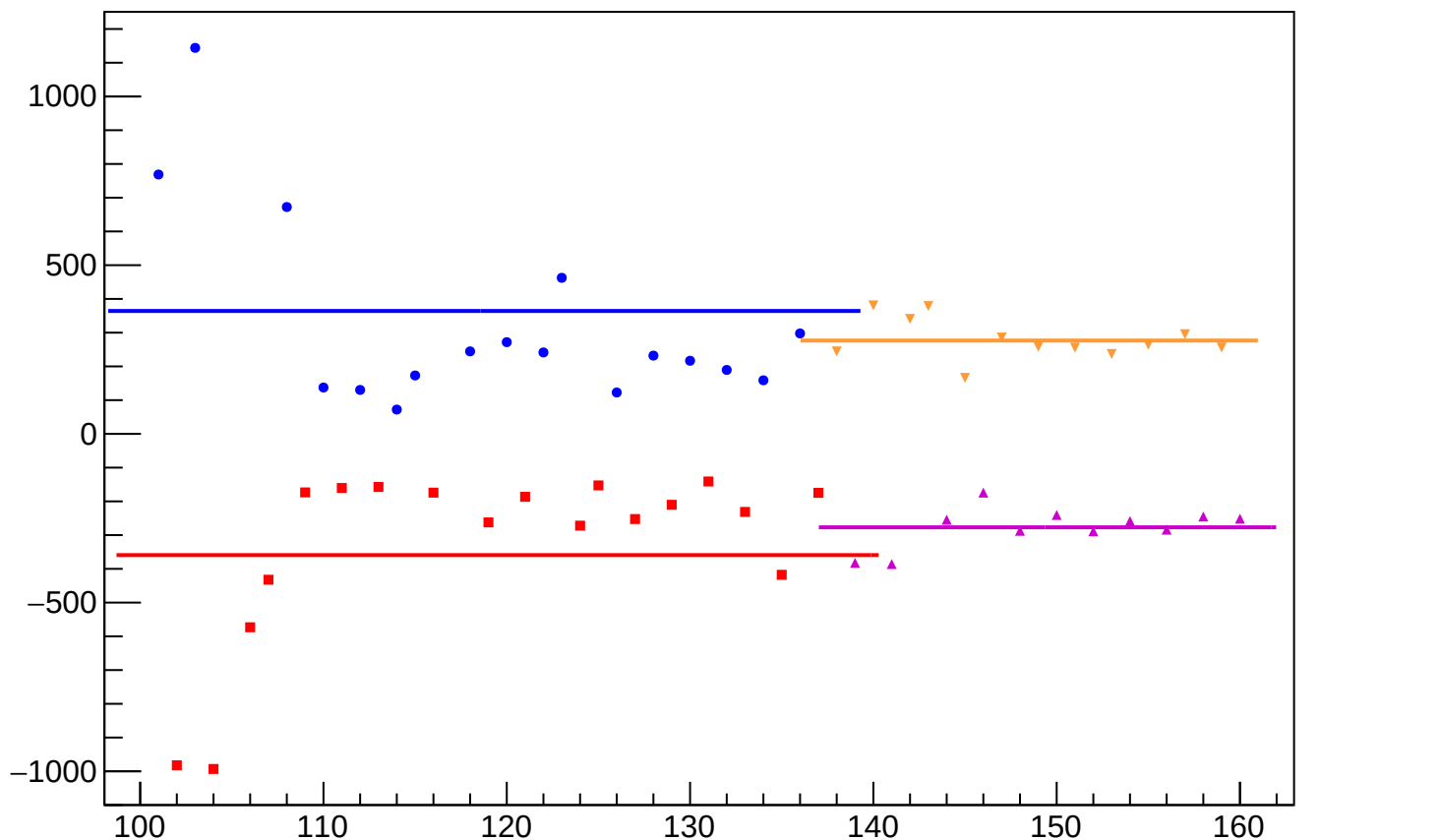
In: -3527.229+/-0.000 χ^2/NDF : 956002120511637

Left In: -9897.674+/-0.000

Out: 3569.844+/-0.000 χ^2/NDF : 883737217884158

All: 18.033+/-0.000 χ^2/NDF : 2249108527212

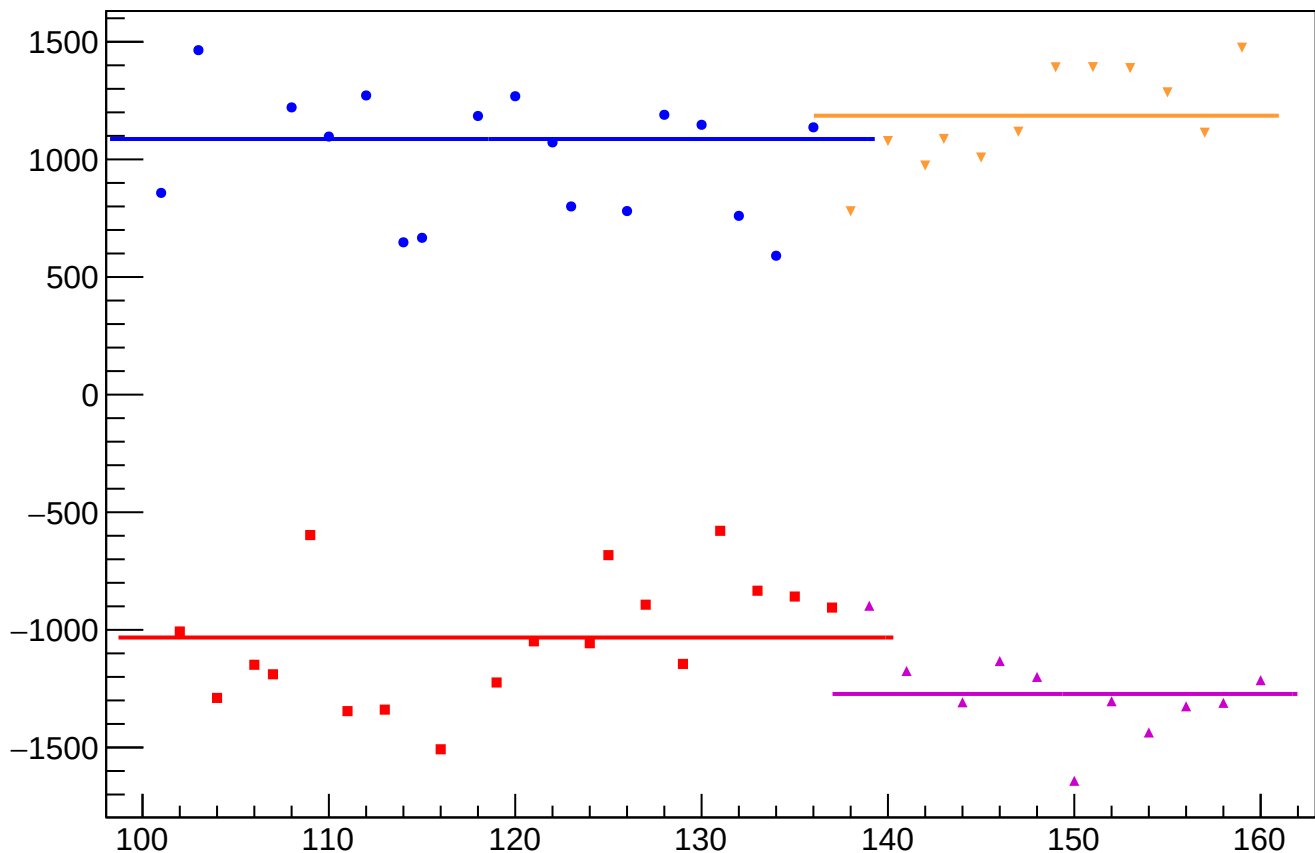
dit_sam3_coil3_err_mean vs Slug, Sign Corrected



Left: -3.700 +/- 0.000 χ^2/NDF : 14733086249937499
 Right: -2.895 +/- 0.000 χ^2/NDF : 3070385632196005
 In: -3.394 +/- 0.000 χ^2/NDF : 230568672099103890
 Out: -3.308 +/- 0.000 χ^2/NDF : 22380126507815765
 All: -3.351 +/- 0.000 χ^2/NDF : 4543699433082

Right In: 364.277 +/- 0.000 χ^2/NDF : 63824164232416453329464402315619336192.0/16
 Left Out: 276.695 +/- 0.000 χ^2/NDF : 3092021868462031371777841065866821632.0/11
 Right Out: -359.283 +/- 0.000 χ^2/NDF : 58838911094170702852650084457083043840.0/17
 Left In: -276.882 +/- 0.000 χ^2/NDF : 3143786563000529318336573721943212032.0/10

dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

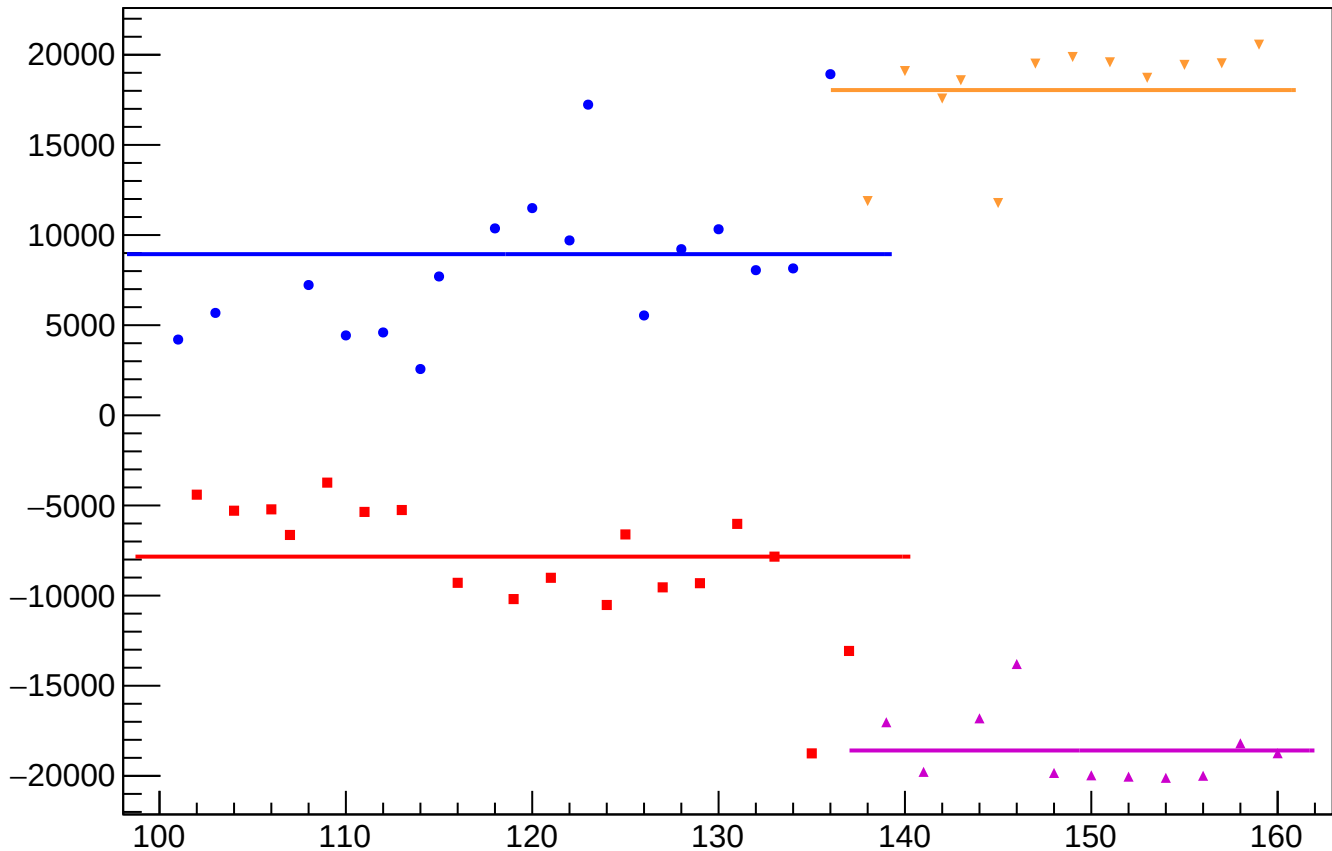
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

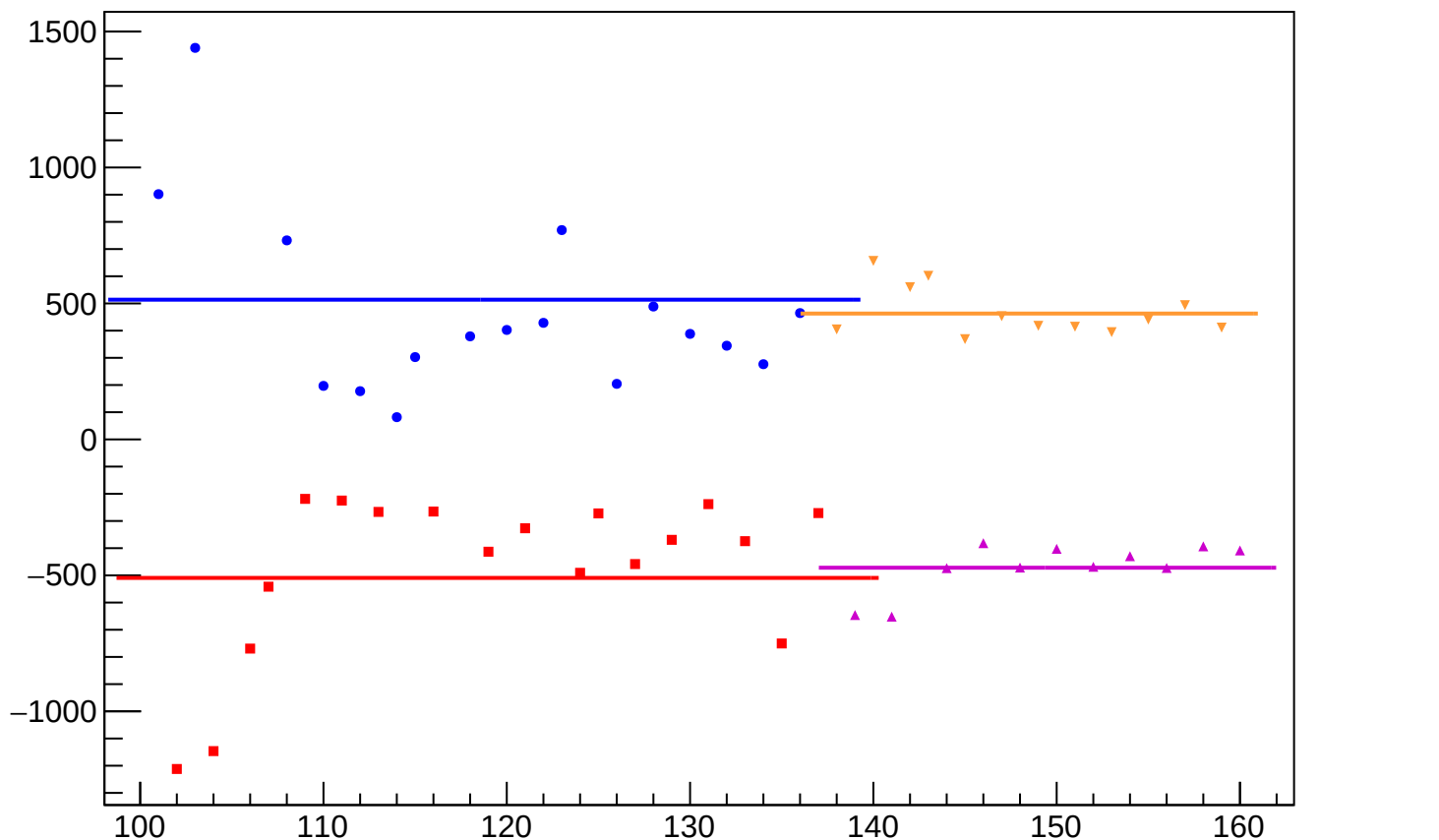
All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam4_coil3_mean vs Slug, Sign Corrected



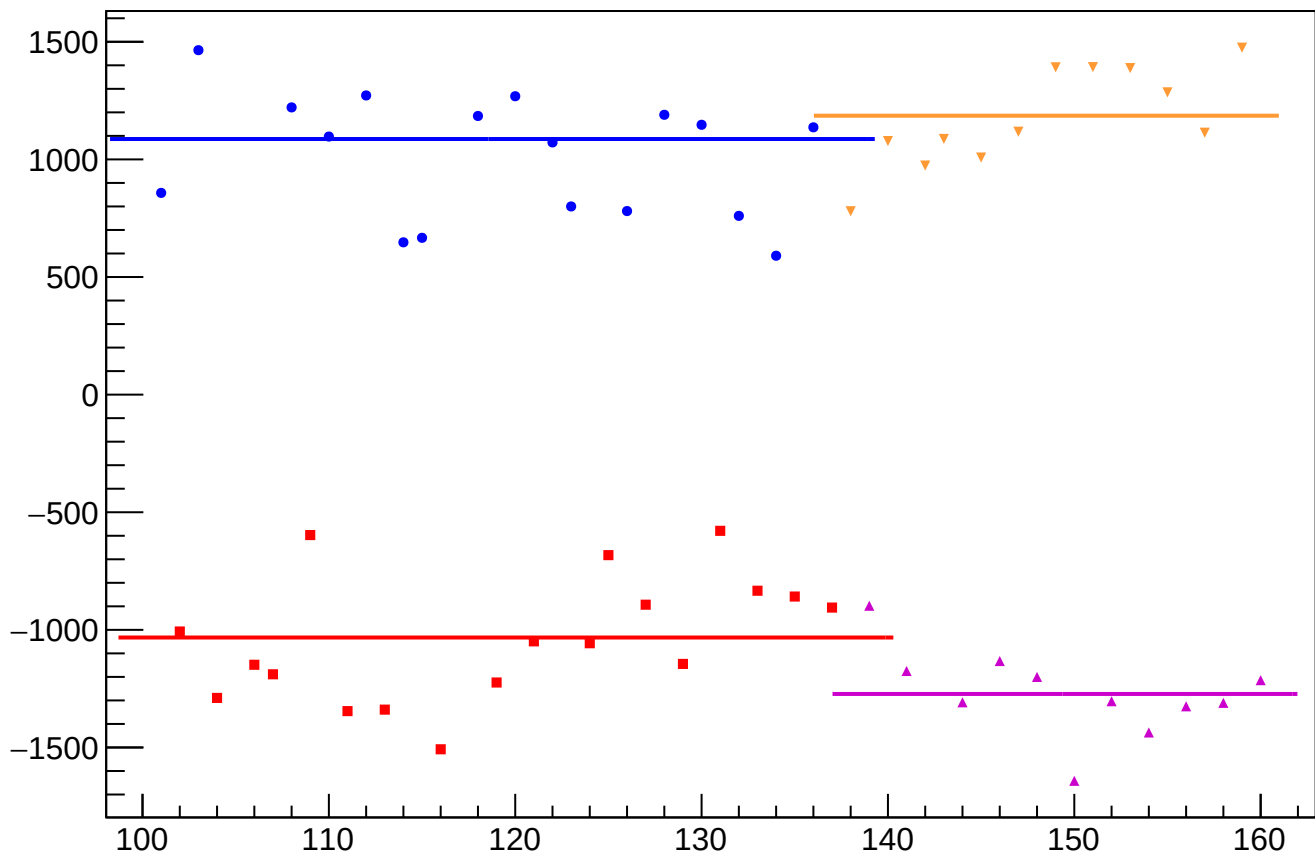
Right In: 8940.709 $\pm$ 0.000 χ^2 /NDF: 14252298982323079680975069701388839682048.0/16
 Left Out: 18042.230 $\pm$ 0.000 χ^2 /NDF: 7640646522897487857135230772113708154880.0/11
 Right Out: -7838.226 $\pm$ 0.000 χ^2 /NDF: 9846913896882704140251290027429415878656.0/17
 Left In: -18591.547 $\pm$ 0.000 χ^2 /NDF: 3373827841621741048896229754913272365056.0/10
 All: -106.123 $\pm$ 0.000 χ^2 /NDF: 75286778977

dit_sam4_coil3_err_mean vs Slug, Sign Corrected



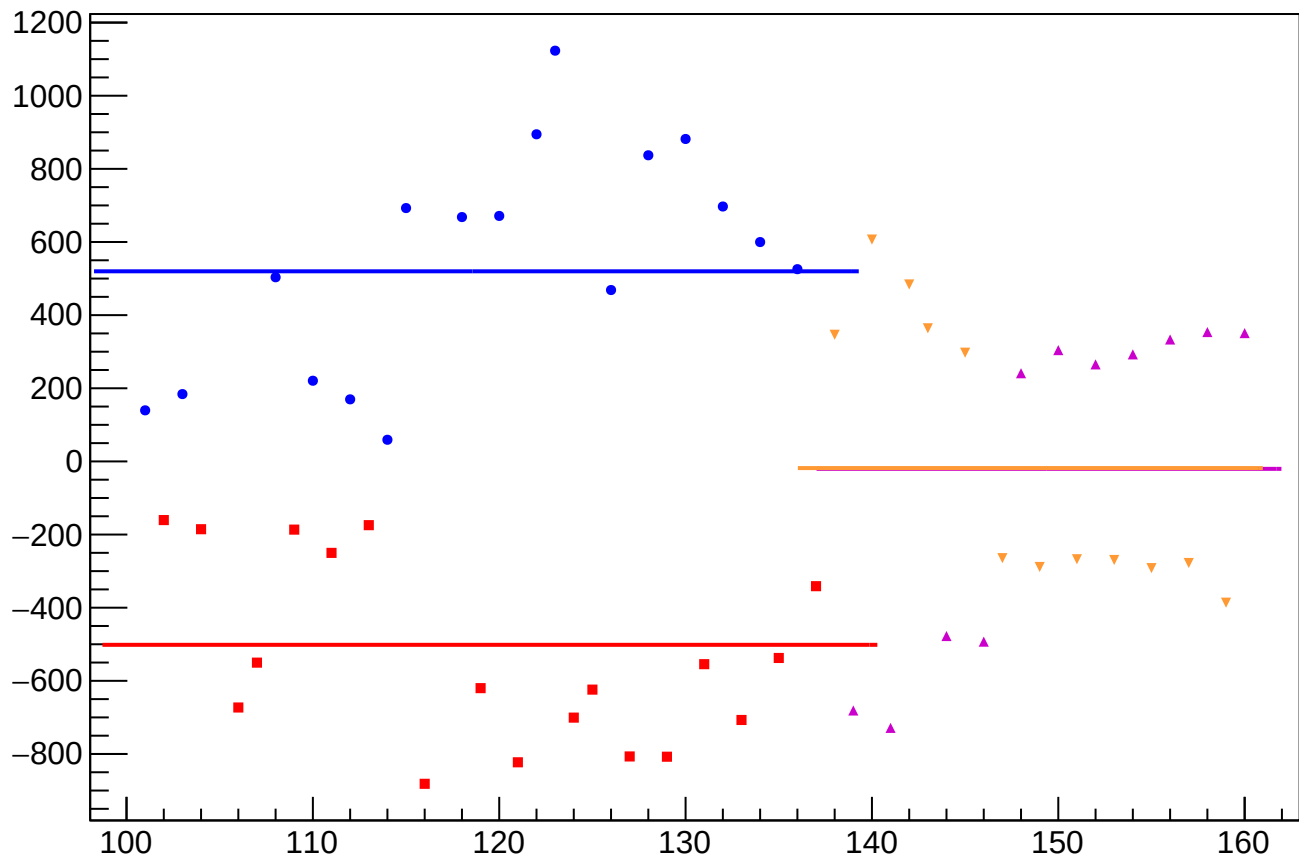
Right In: 513.843 $\pm$ 0.000 χ^2 /NDF: 82523650579604289792107532326249955328.0/16
 Left Out: 462.844 $\pm$ 0.000 χ^2 /NDF: 6830648525623684817395137022896635904.0/11
 Right Out: -509.362 $\pm$ 0.000 χ^2 /NDF: 75678926781858707627162203023281750016.0/17
 Left In: -471.889 $\pm$ 0.000 χ^2 /NDF: 7312350507184124665031072386098659328.0/10
 All: -8.346 $\pm$ 0.000 χ^2 /NDF: 9433558408659

dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected



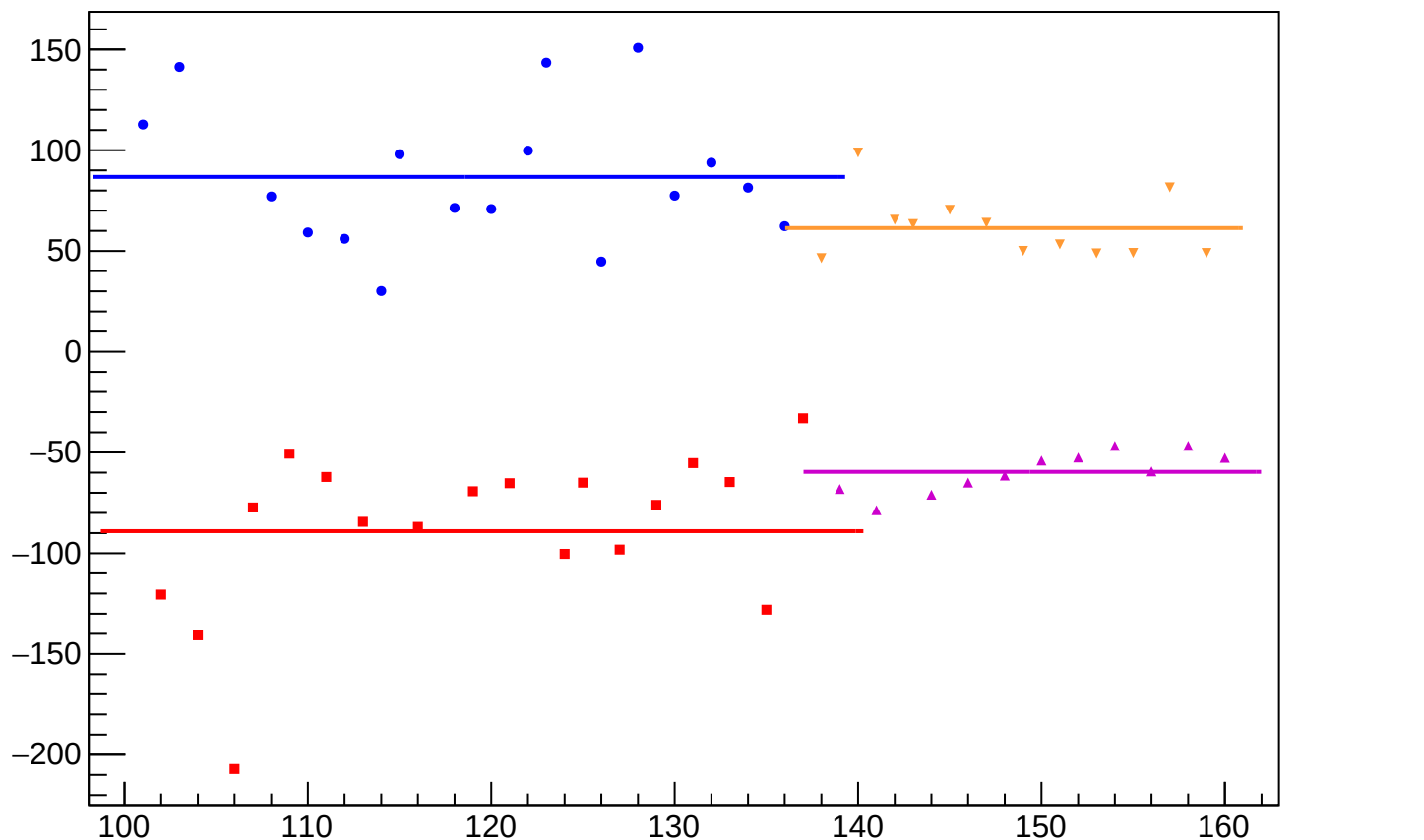
Right In: 1086.695 $\pm$ 0.000 χ^2 /NDF: 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823 $\pm$ 0.000 χ^2 /NDF: 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544 $\pm$ 0.000 χ^2 /NDF: 47614887029691398867923382029973979136.0/17
 Left In: -1272.495 $\pm$ 0.000 χ^2 /NDF: 29878198288838193261445678233542459392.0/10
 All: -28.738 $\pm$ 0.000 χ^2 /NDF: 451779050699

dit_sam5_coil3_mean vs Slug, Sign Corrected



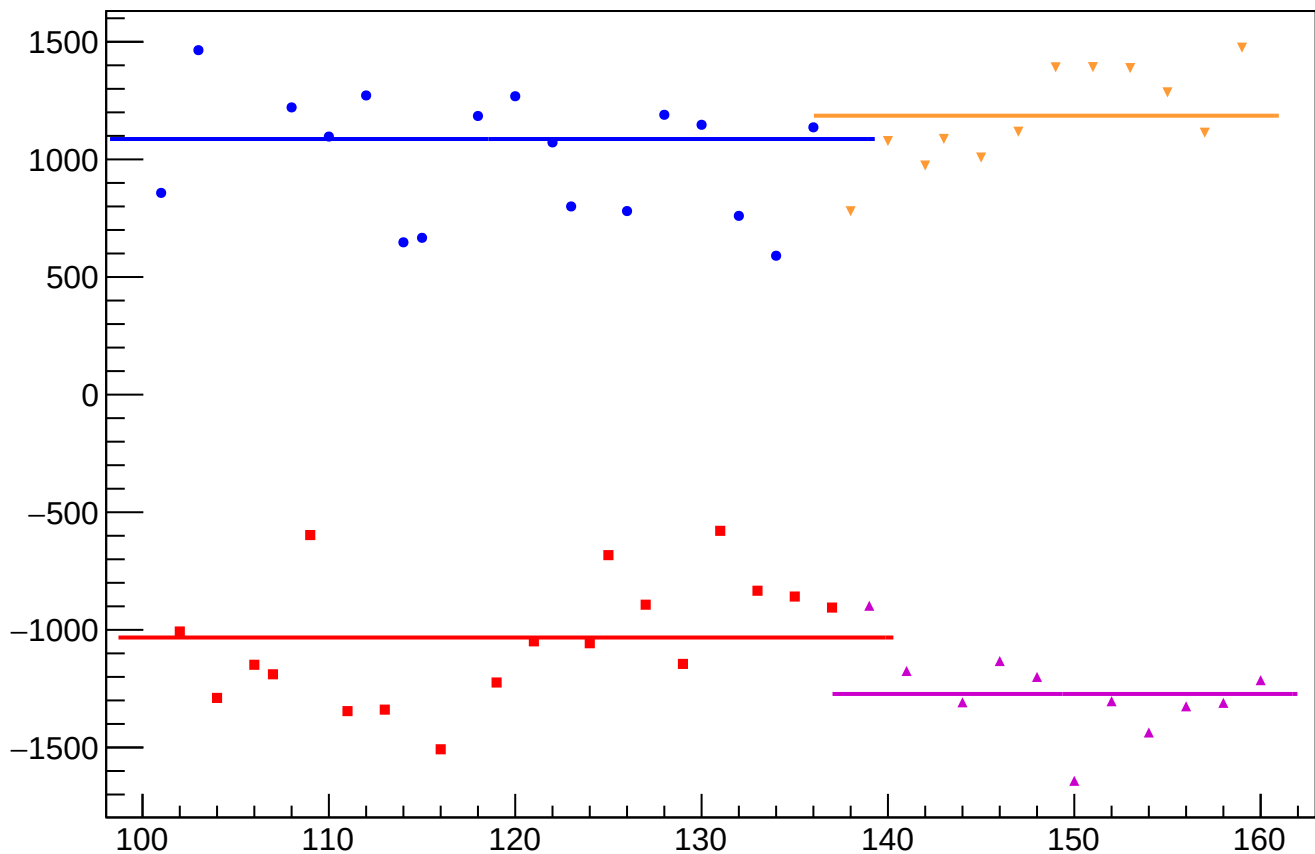
Right In: 519.845 $\pm$ 0.000 χ^2 /NDF: 50391712122122241983004017290687545344.0/16
 Left Out: -18.246 $\pm$ 0.000 χ^2 /NDF: 114374265303636923998653923051335319552.0/11
 Right Out: -501.527 $\pm$ 0.000 χ^2 /NDF: 45593938816418547057443342639695921152.0/17
 Left In: -20.328 $\pm$ 0.000 χ^2 /NDF: 179073709967558112986870071766256975872.0/10
 All: -10.264 $\pm$ 0.000 χ^2 /NDF: 757168536747

dit_sam5_coil3_err_mean vs Slug, Sign Corrected



Right In: 86.768 +/- 0.000 χ^2/NDF : 727044528904958232730586242846031872.0/16
 Left Out: 61.403 +/- 0.000 χ^2/NDF : 223902255538930337202441578161897472.0/11
 Right Out: -89.028 +/- 0.000 χ^2/NDF : 1014702057025769592460755223634247680.0/17
 Left In: -59.611 +/- 0.000 χ^2/NDF : 90277020610973878591704182850322432.0/10
 All: -0.997 +/- 0.000 χ^2/NDF : 1968732828441

dit_sam5_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

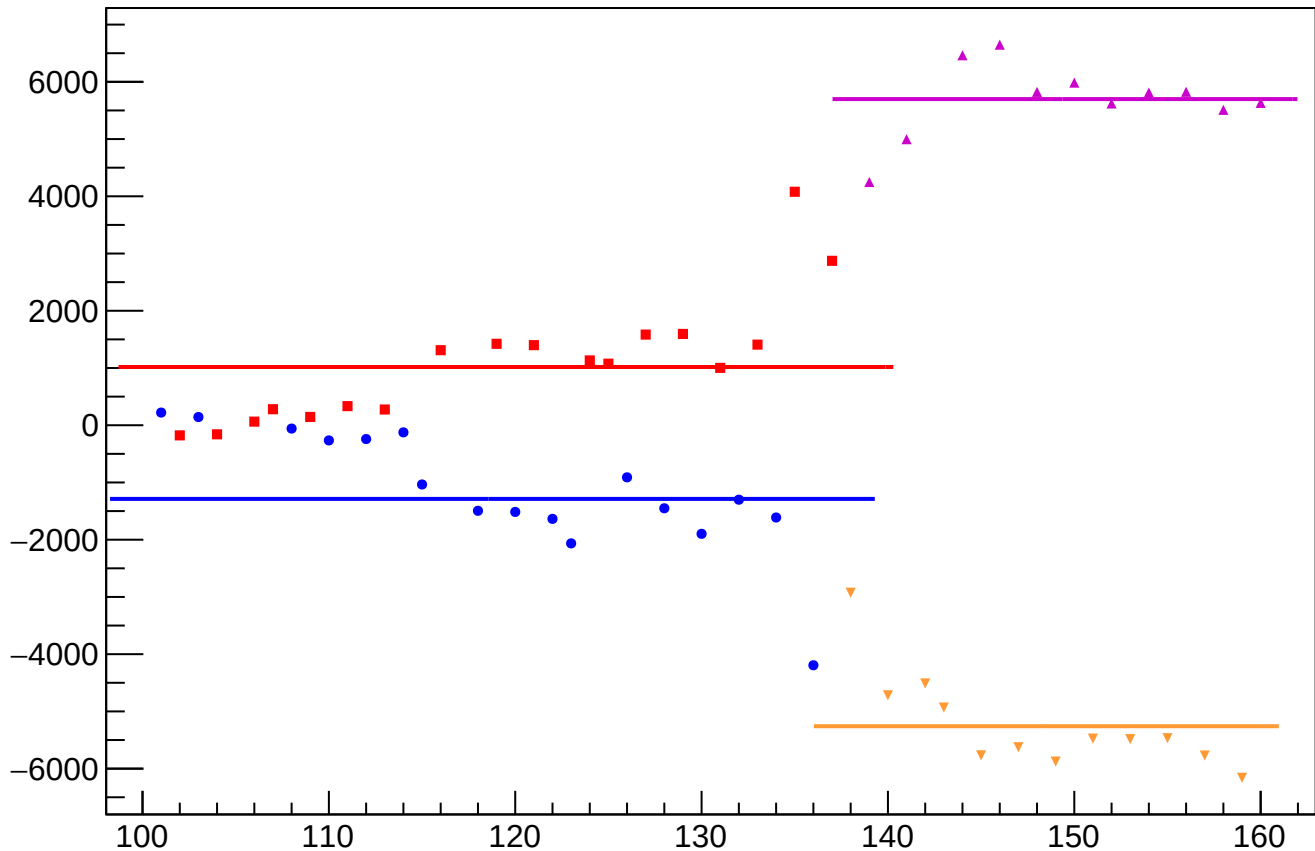
χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam6_coil3_mean vs Slug, Sign Corrected



Right In: -1287.018+/-0.000

Left Out: -5258.932+/-0.000

Right Out: 1017.680+/-0.000

Left In: 5698.540+/-0.000

χ^2/NDF : 1204676715439313496734702006985495150592.0/16

χ^2/NDF : 639767885689374953846002118656698351616.0/11

χ^2/NDF : 852354346622995689266162288487263371264.0/17

χ^2/NDF : 354071828835191382316642971835621703680.0/10

Left: 291.188+/-0.000 χ^2/NDF : 5627494160155441

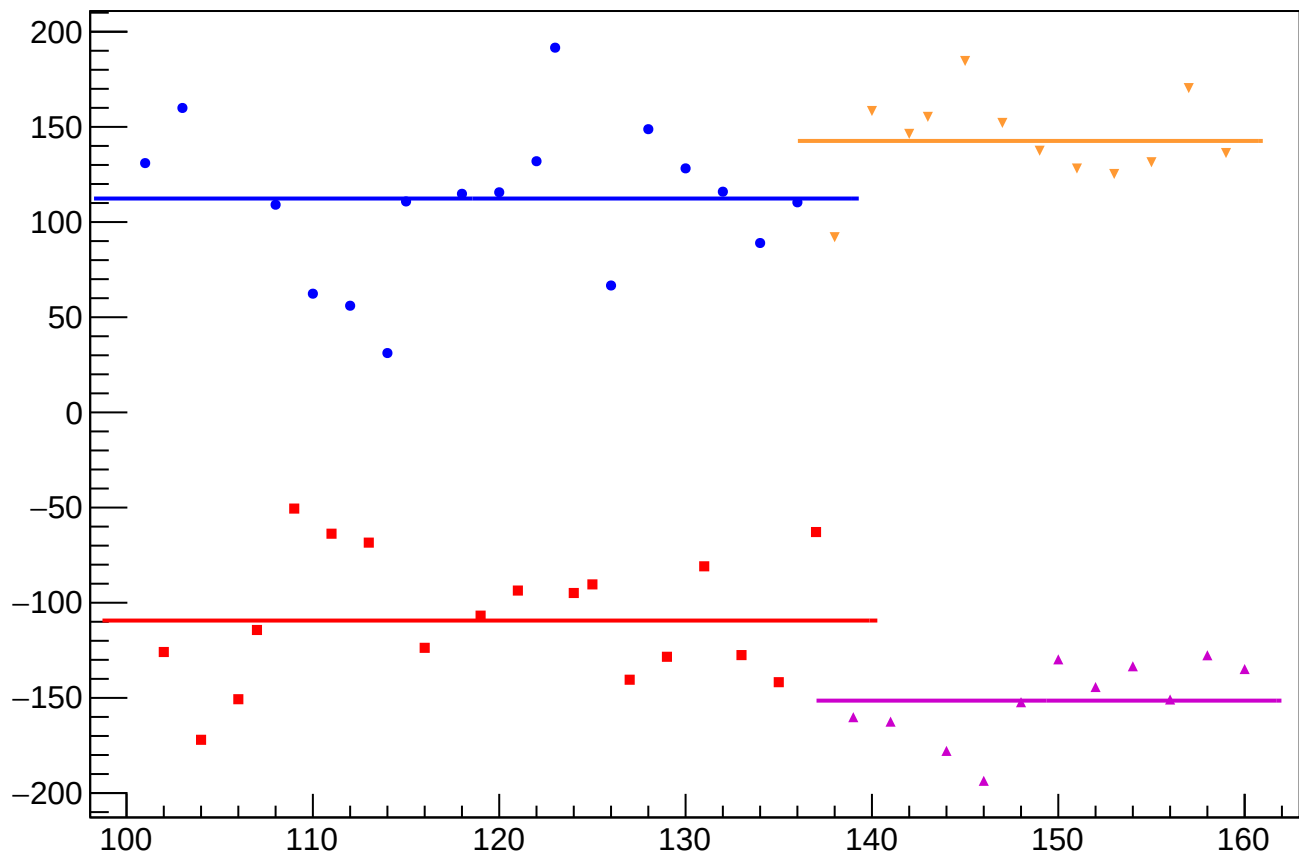
Right: -117.494+/-0.000 χ^2/NDF : 39276379731523

In: 2718.837+/-0.000 χ^2/NDF : 2097904135008849

Out: -2495.522+/-0.000 χ^2/NDF : 17258594612441

All: 114.063+/-0.000 χ^2/NDF : 603359178912

dit_sam6_coil3_err_mean vs Slug, Sign Corrected



Right In: 112.364 $\pm$ 0.000

χ^2 /NDF: 704132882376699060399654305188020224.0/16

Left Out: 142.624 $\pm$ 0.000

χ^2 /NDF: 490075896728839516785223596523913216.0/11

Right Out: -109.364 $\pm$ 0.000

χ^2 /NDF: 838845293661778137888588246433136640.0/17

Left In: -151.432 $\pm$ 0.000

χ^2 /NDF: 371010449971260656611055665401561088.0/10

Left: -6.320 $\pm$ 0.000 χ^2 /NDF: 40673295027841380

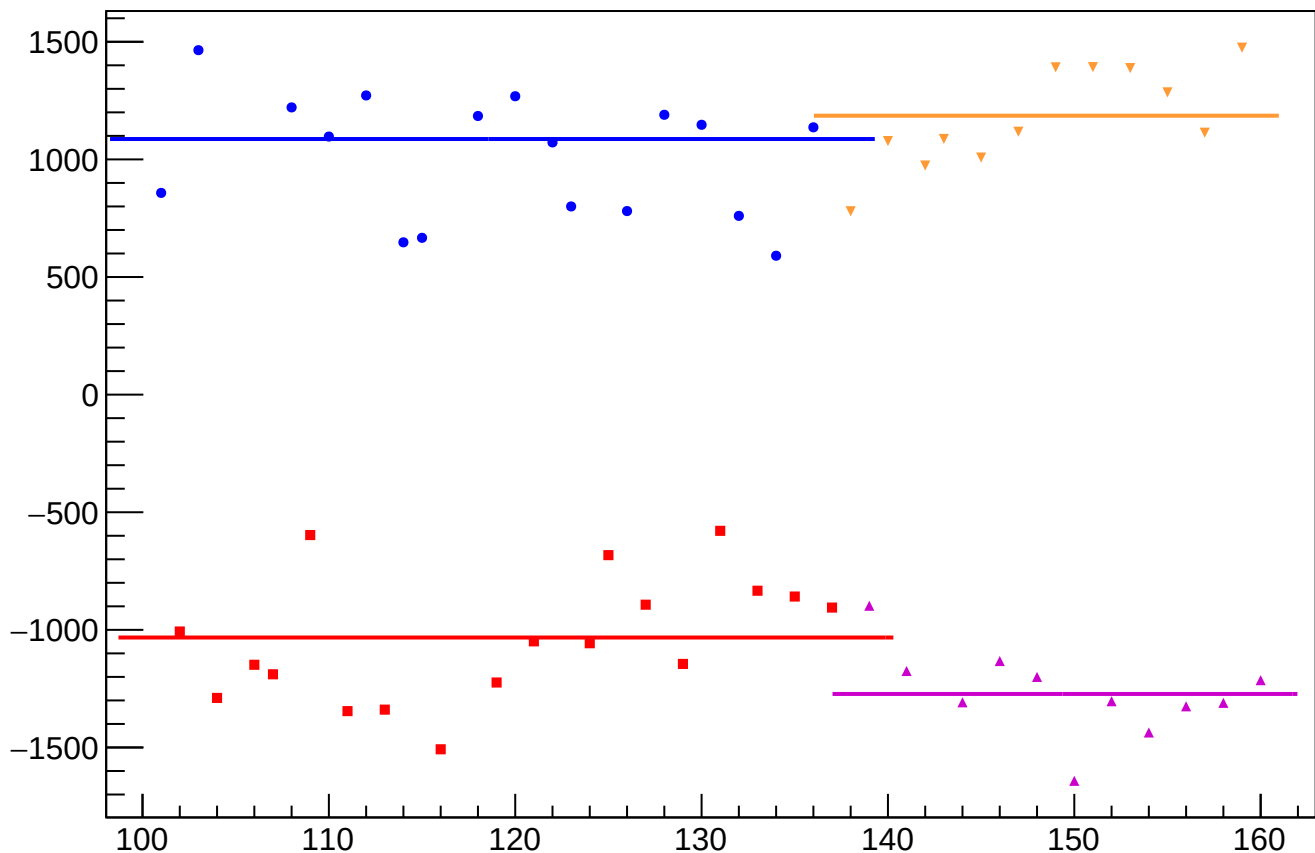
Right: -0.152 $\pm$ 0.000 χ^2 /NDF: 1885682581787099

In: -38.909 $\pm$ 0.000 χ^2 /NDF: 28769377129905934

Out: 31.681 $\pm$ 0.000 χ^2 /NDF: 26741154163550074

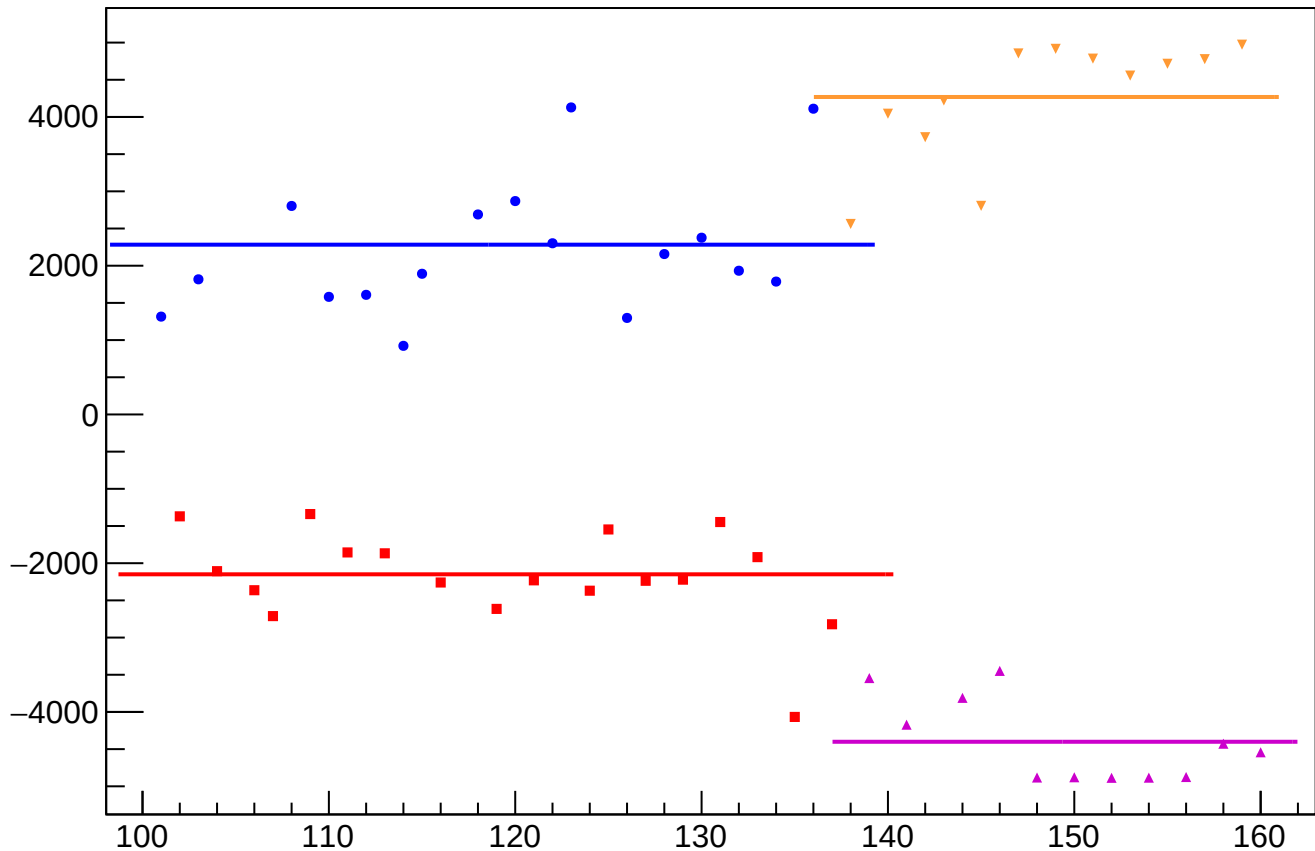
All: -3.647 $\pm$ 0.000 χ^2 /NDF: 5956048648863

dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected



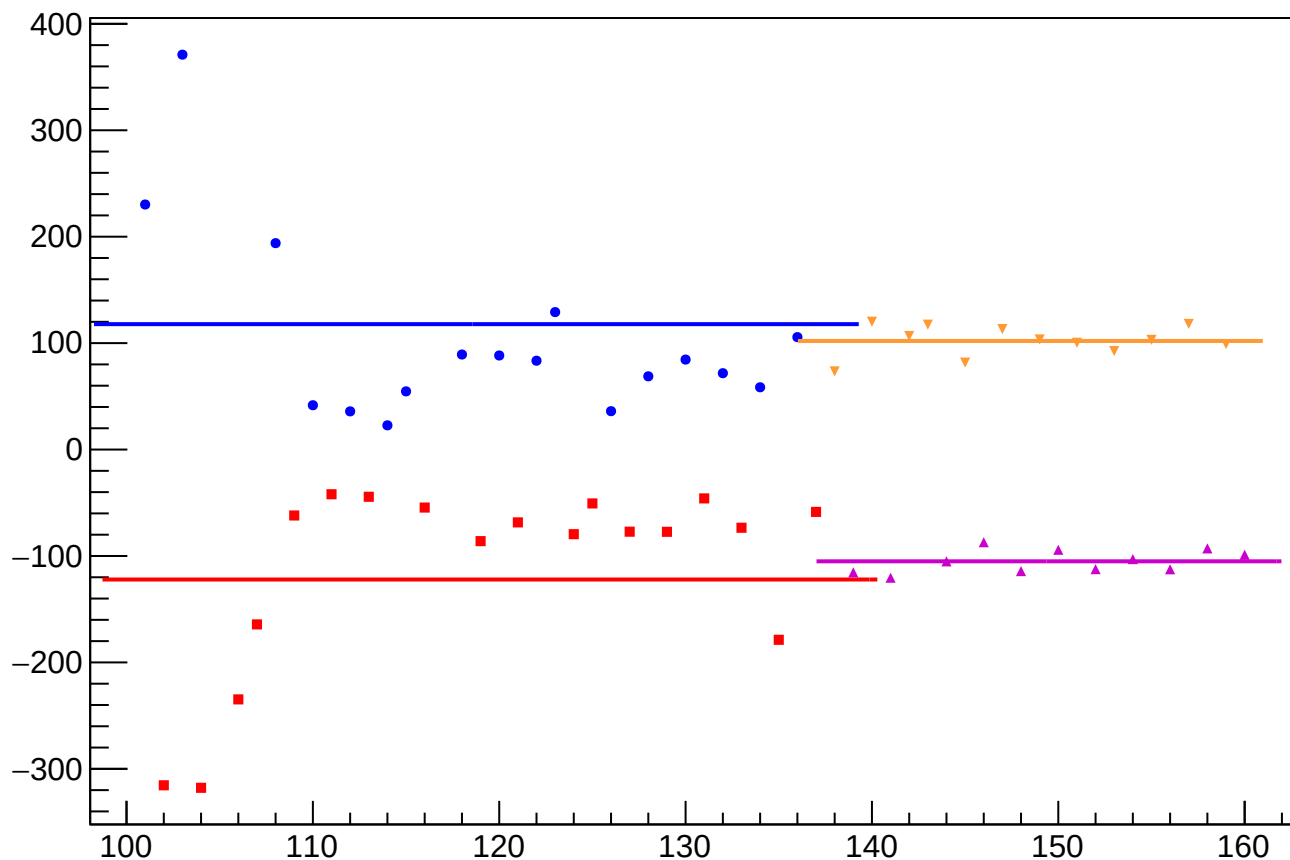
Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam7_coil3_mean vs Slug, Sign Corrected



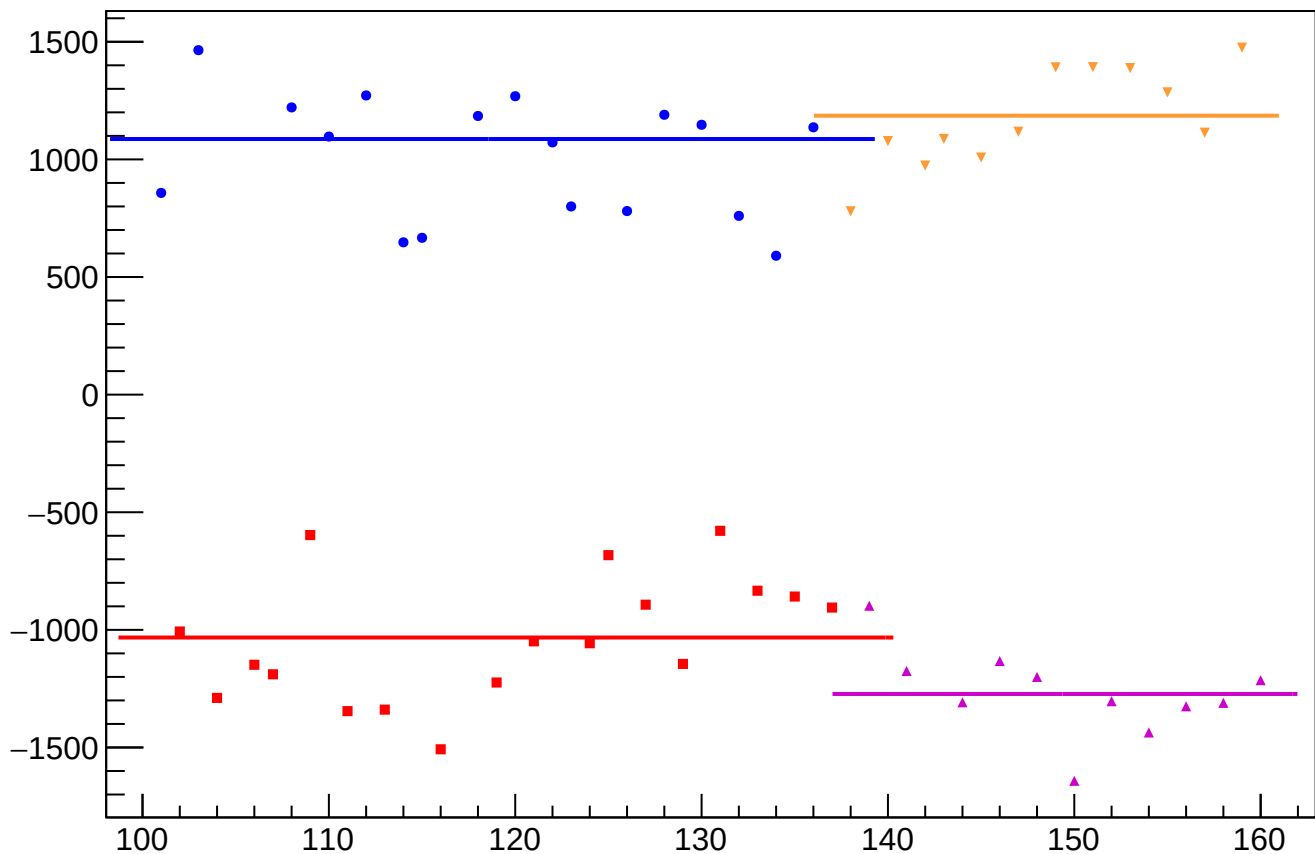
Right In: 2282.778 $\pm$ 0.000 χ^2 /NDF: 521869333583833068444115371437594771456.0/16
 Left Out: 4268.620 $\pm$ 0.000 χ^2 /NDF: 576373438836983826408088908187698200576.0/11
 Right Out: -2149.386 $\pm$ 0.000 χ^2 /NDF: 320631411360836158094549979591860027392.0/17
 Left In: -4401.016 $\pm$ 0.000 χ^2 /NDF: 271313470445828573503909403246788083712.0/10
 All: -54.917 $\pm$ 0.000 χ^2 /NDF: 432342881547

dit_sam7_coil3_err_mean vs Slug, Sign Corrected



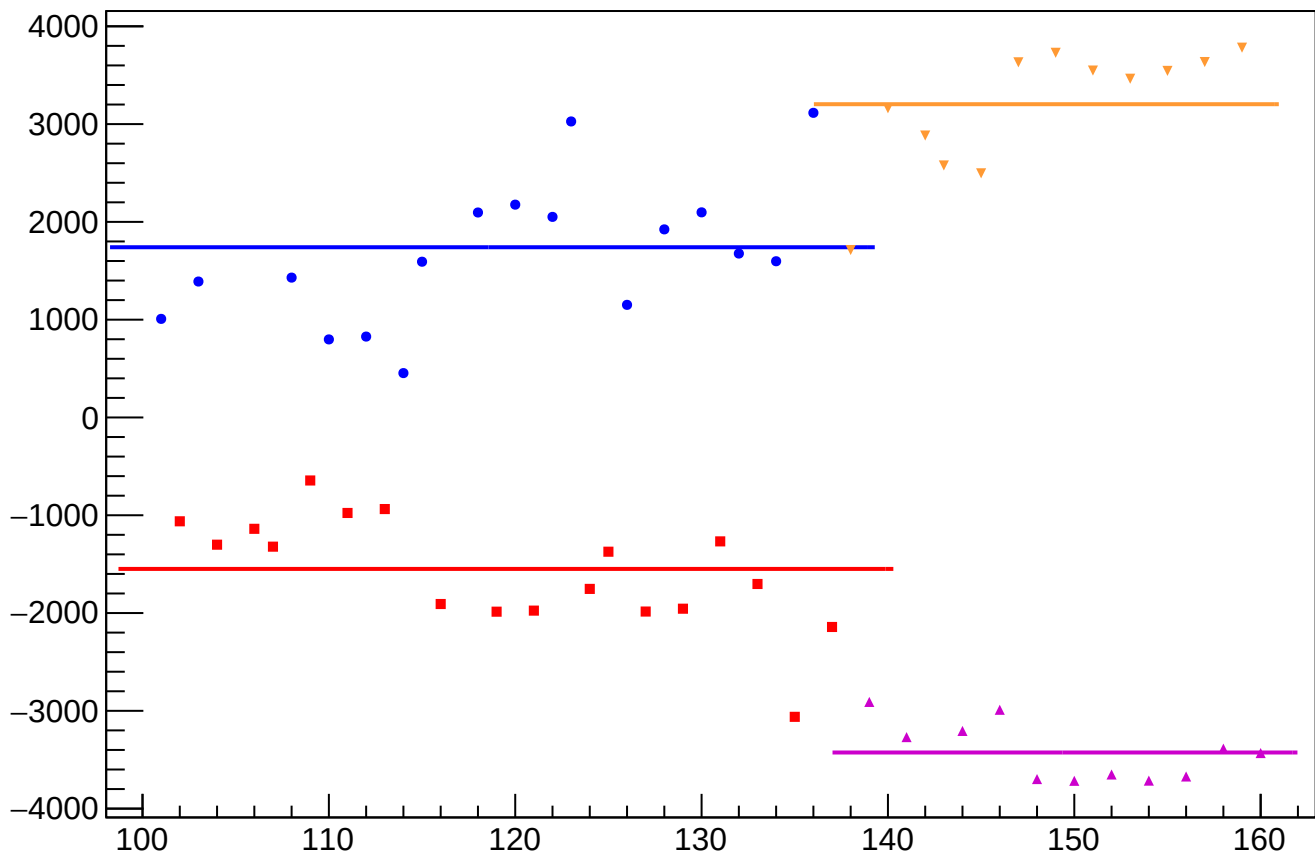
Right In: 117.825 +/- 0.000 χ^2/NDF : 6199421197695716182570916449760575488.0/16
 Left Out: 102.028 +/- 0.000 χ^2/NDF : 177124098717282134999436009607790592.0/11
 Right Out: -122.099 +/- 0.000 χ^2/NDF : 6546124684147045667679194482005245952.0/17
 Left In: -105.016 +/- 0.000 χ^2/NDF : 98103905520424947900201643718737920.0/10
 All: -3.312 +/- 0.000 χ^2/NDF : 5303102045081

dit_sam7_coil3_Ndata_mean vs Slug, Sign Corrected



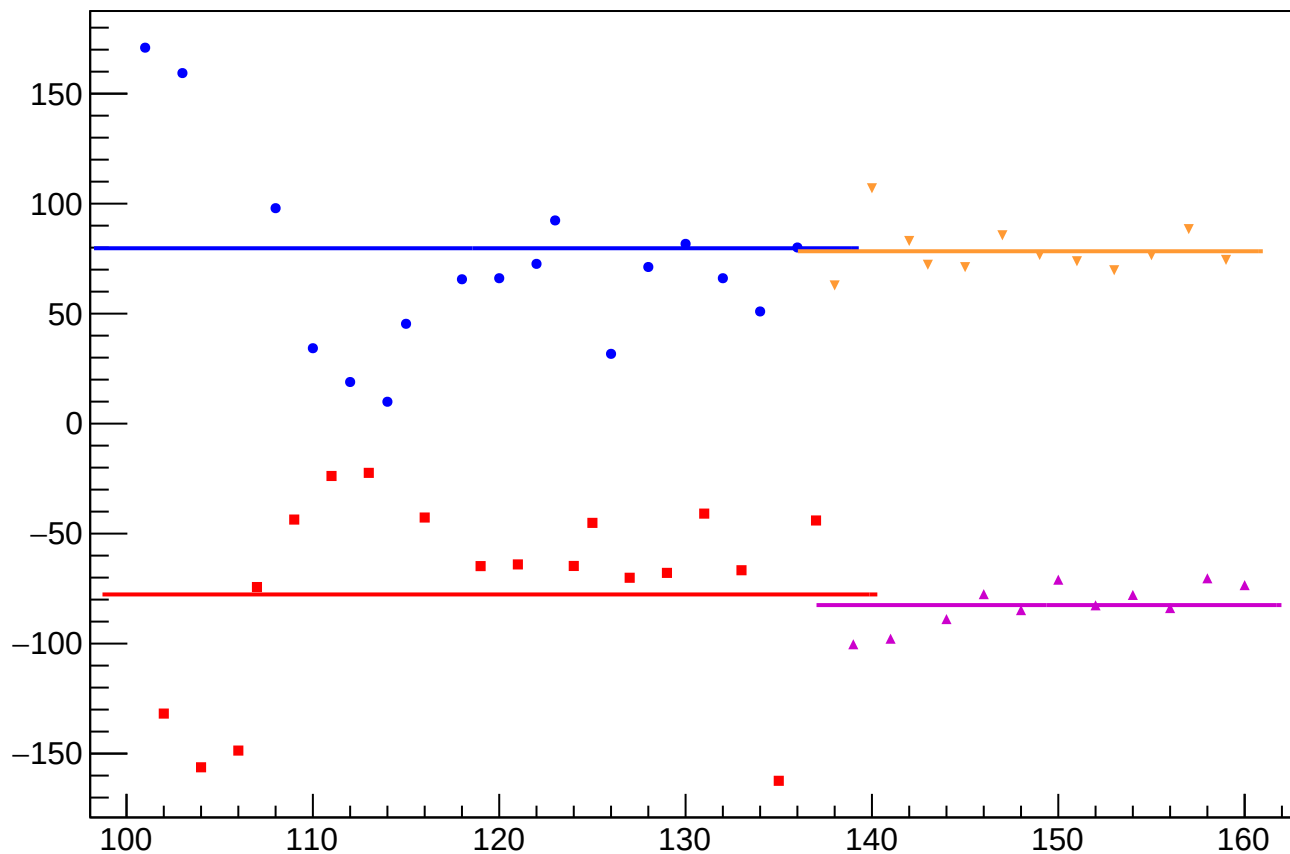
Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam8_coil3_mean vs Slug, Sign Corrected



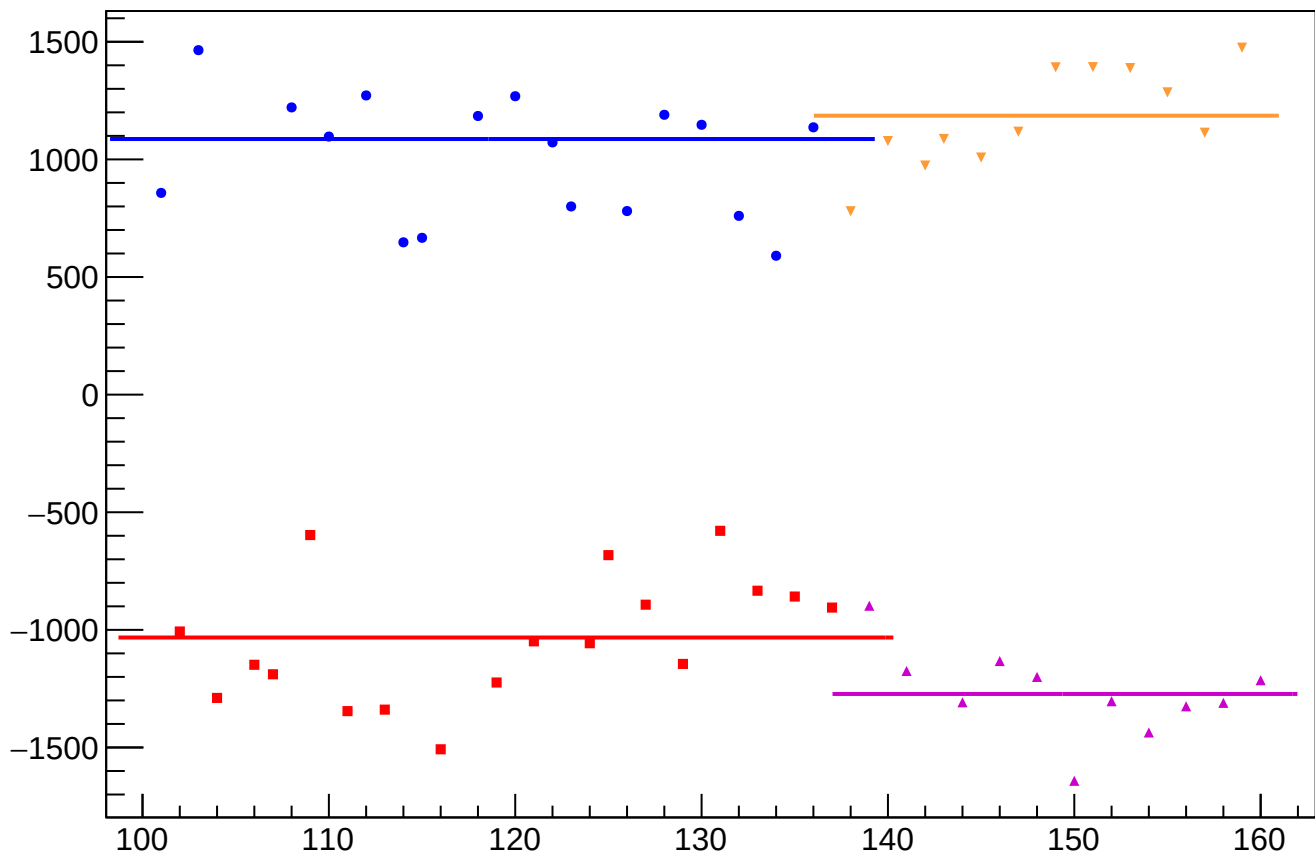
Right In: 1740.720+/-0.000 χ^2/NDF : 348962001897552007024222547428010622976.0/16
 Left Out: 3203.449+/-0.000 χ^2/NDF : 345784551251095236762093437118983438336.0/11
 Right Out: -1548.740+/-0.000 χ^2/NDF : 255013280564316736413287354207314116608.0/17
 Left In: -3426.091+/-0.000 χ^2/NDF : 74472499127256765634021143910696353792.0/10
 All: -56.566+/-0.000 χ^2/NDF : 251115987622

dit_sam8_coil3_err_mean vs Slug, Sign Corrected



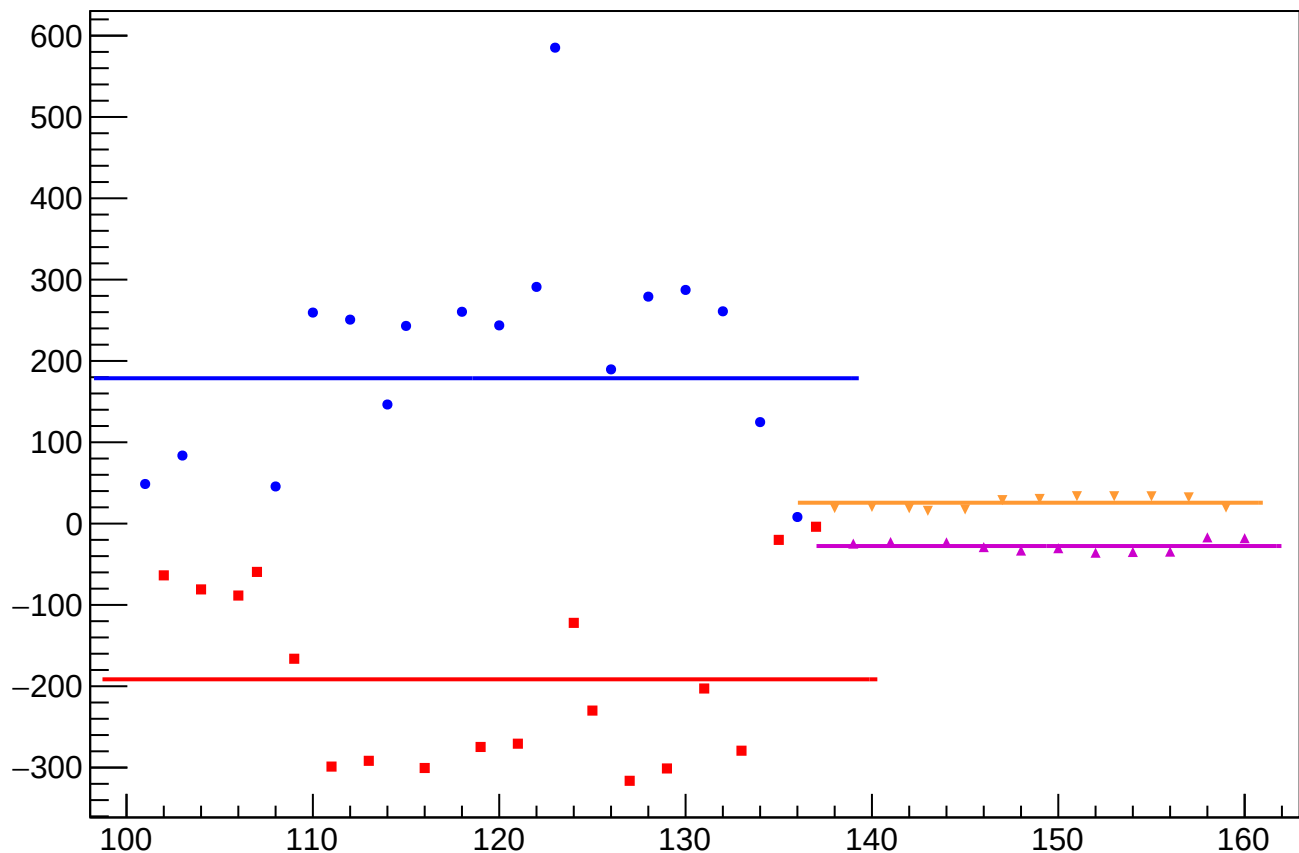
Right In: 79.722 ± 0.000 $\chi^2/\text{NDF}: 1349884201001122025991797772619087872.0/16$
 Left Out: 78.356 ± 0.000 $\chi^2/\text{NDF}: 114896120803259231895139298203140096.0/11$
 Right Out: -77.658 ± 0.000 $\chi^2/\text{NDF}: 1483793243606577649503828870787235840.0/17$
 Left In: -82.494 ± 0.000 $\chi^2/\text{NDF}: 84649934677405665053102578448990208.0/10$
 All: -1.827 ± 0.000 $\chi^2/\text{NDF}: 2367528402707$

dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695 $\pm$ 0.000 χ^2 /NDF: 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823 $\pm$ 0.000 χ^2 /NDF: 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544 $\pm$ 0.000 χ^2 /NDF: 47614887029691398867923382029973979136.0/17
 Left In: -1272.495 $\pm$ 0.000 χ^2 /NDF: 29878198288838193261445678233542459392.0/10
 All: -28.738 $\pm$ 0.000 χ^2 /NDF: 451779050699

dit_4aX_coil7_mean vs Slug, Sign Corrected



Right In: 178.734+/-0.000

χ^2/NDF : 8494804765562228204327834177712947200.0/16

Left Out: 25.670+/-0.000

χ^2/NDF : 43615942339742127541727339141398528.0/11

Right Out: -191.483+/-0.000

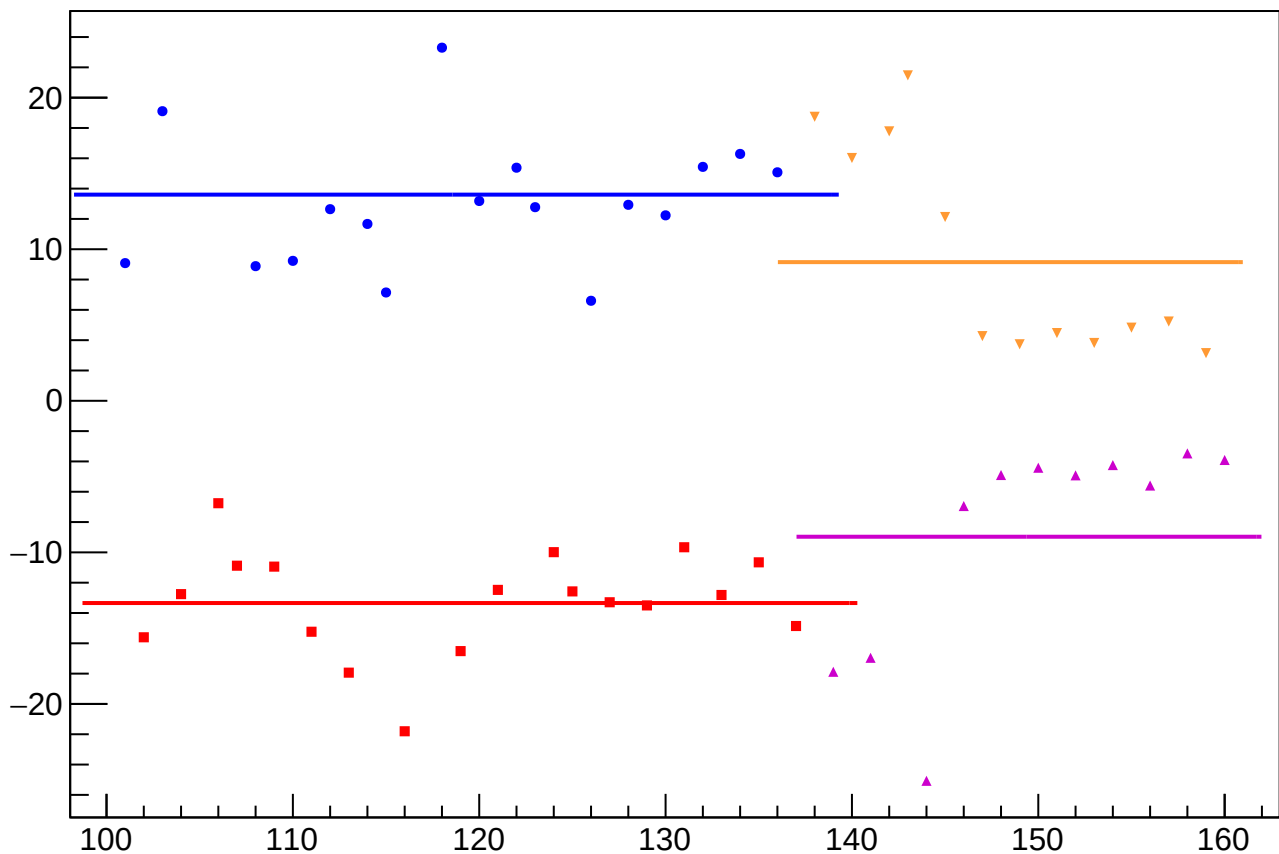
χ^2/NDF : 8150461362250913614126902389436841984.0/17

Left In: -27.579+/-0.000

χ^2/NDF : 39364281565589269782784177585782784.0/10

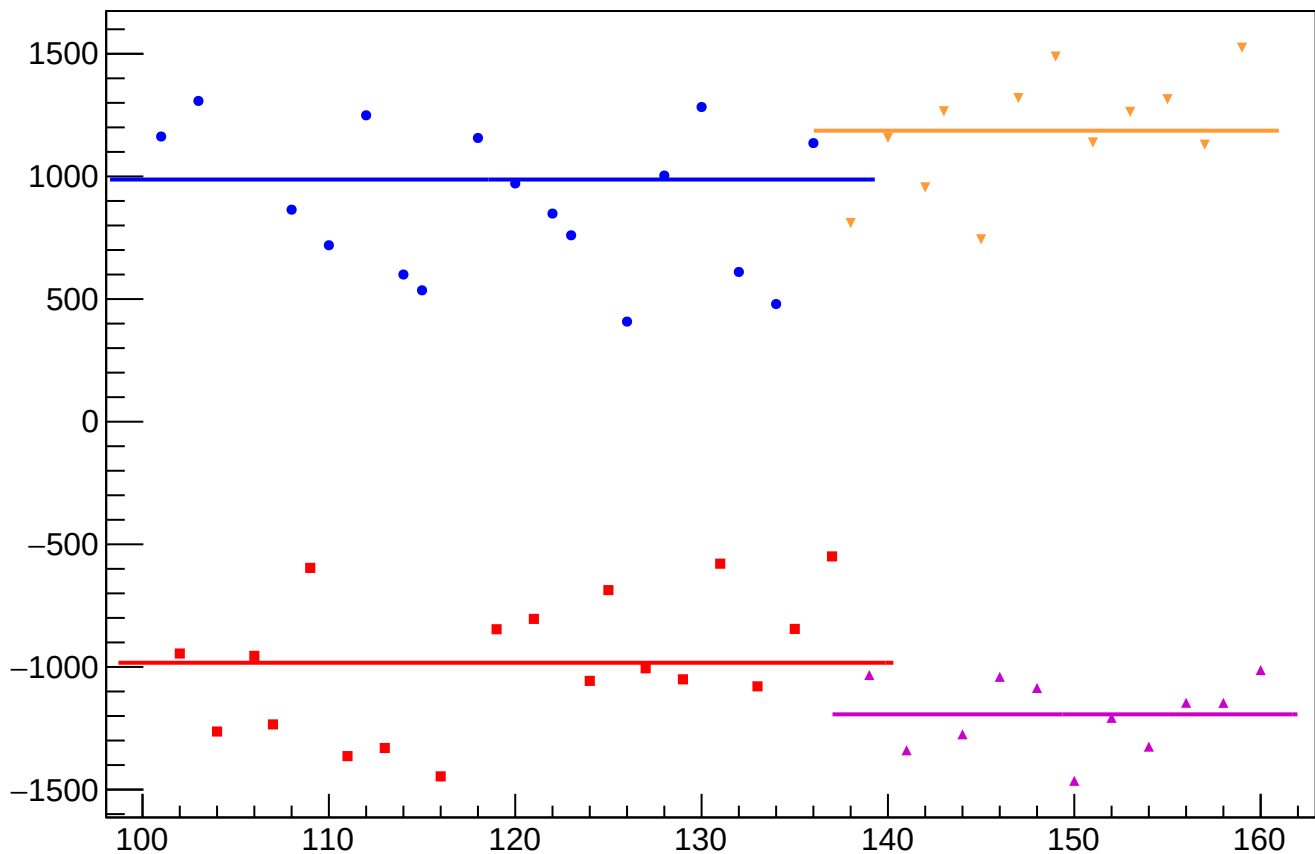
All: -4.696+/-0.000 χ^2/NDF : 6635167668479

dit_4aX_coil7_err_mean vs Slug, Sign Corrected



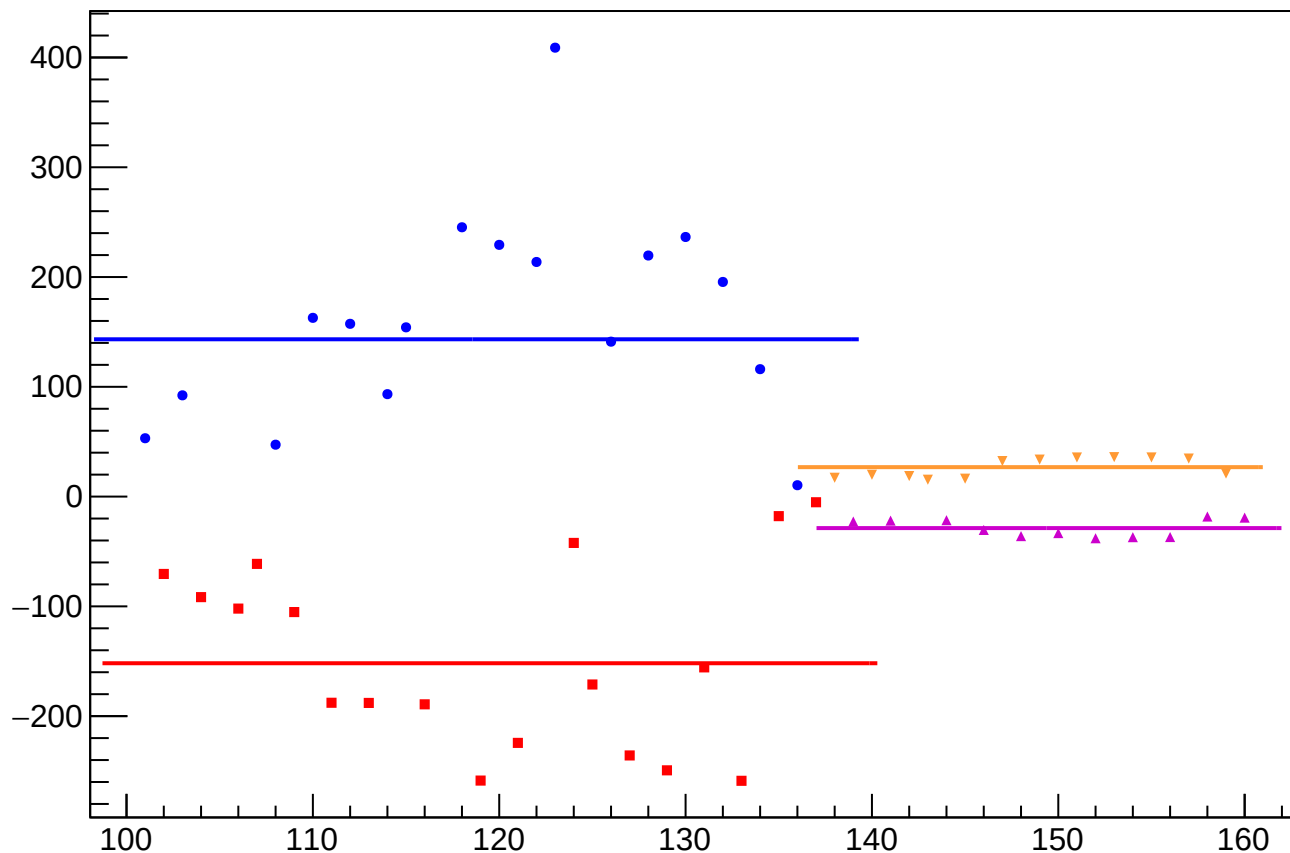
Left: -0.027 ± 0.000 $\chi^2/\text{NDF}: 23786914105617751$
 Right In: 13.603 ± 0.000 $\chi^2/\text{NDF}: 12735243270159378009596948914372608.0/16$
 Right: -0.071 ± 0.000 $\chi^2/\text{NDF}: 2752368214719958$
 Left Out: 9.150 ± 0.000 $\chi^2/\text{NDF}: 39277872742254074386096302311079936.0/11$
 In: 0.659 ± 0.000 $\chi^2/\text{NDF}: 2629356509747329070$
 Right Out: -13.343 ± 0.000 $\chi^2/\text{NDF}: 6808158047357444632184742387646464.0/17$
 Out: -0.753 ± 0.000 $\chi^2/\text{NDF}: 24855008569654434$
 Left In: -8.968 ± 0.000 $\chi^2/\text{NDF}: 47457578467091168331445311669010432.0/10$
 All: -0.046 ± 0.000 $\chi^2/\text{NDF}: 5131074728733$

dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected



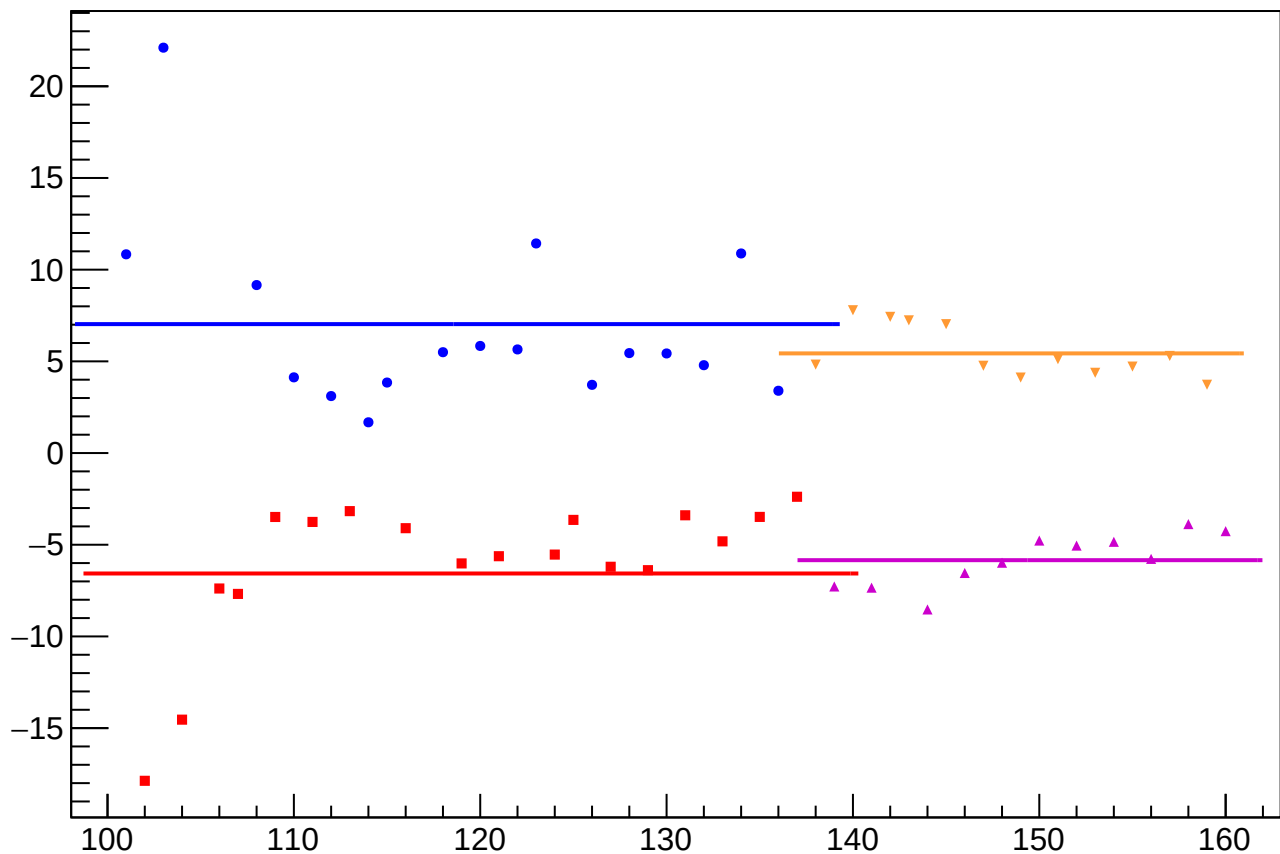
Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
		All: -16.040+/-0.000	χ^2/NDF : 414386874879

dit_4eX_coil7_mean vs Slug, Sign Corrected



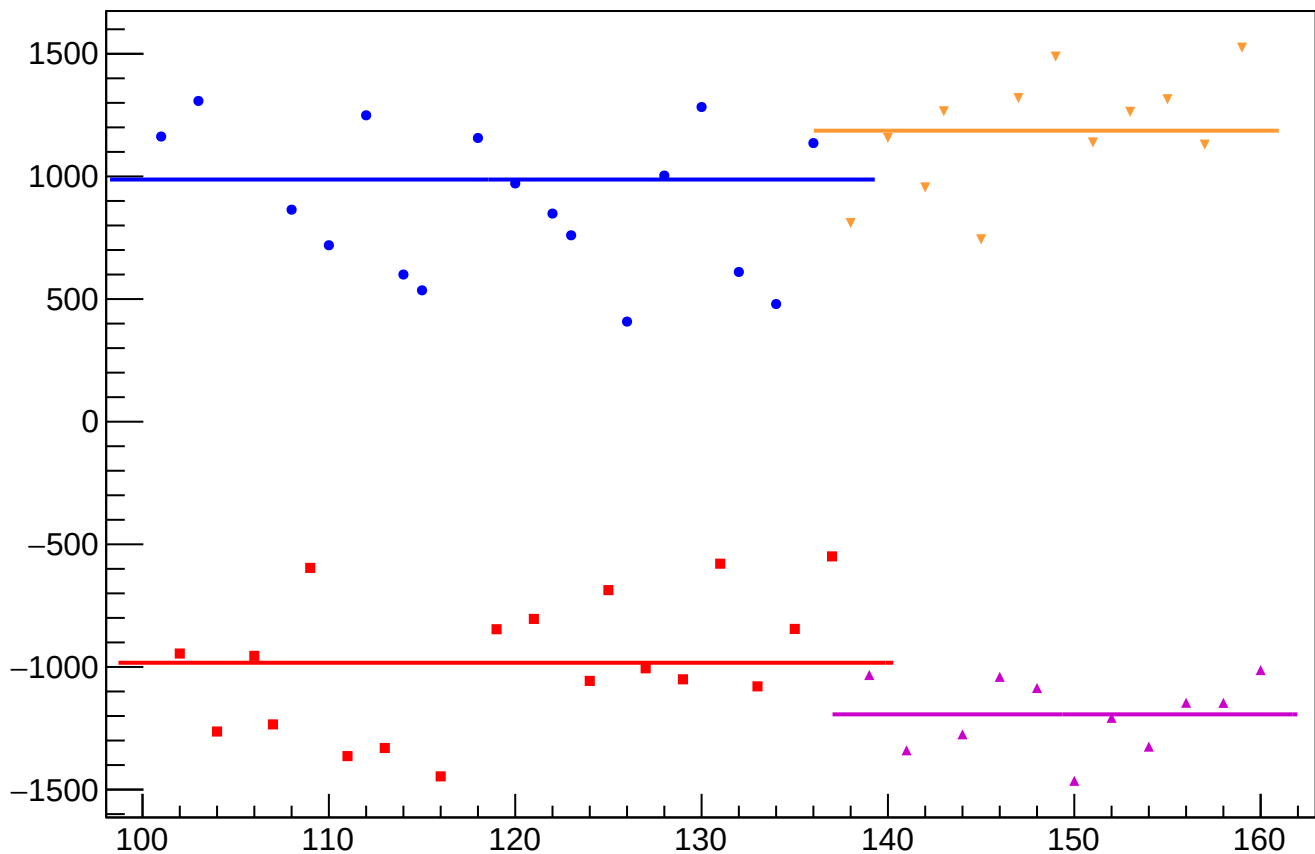
Left: -1.307 ± 0.000 $\chi^2/\text{NDF}: 15373366738372324$
 Right In: 143.291 ± 0.000 $\chi^2/\text{NDF}: 4778890435983165530583685149403119616.0/16$
 Right: -6.463 ± 0.000 $\chi^2/\text{NDF}: 4010201428427812$
 Left Out: 26.816 ± 0.000 $\chi^2/\text{NDF}: 64568009381250036040665945578930176.0/11$
 In: 44.660 ± 0.000 $\chi^2/\text{NDF}: 166056099659481743$
 Right Out: -151.819 ± 0.000 $\chi^2/\text{NDF}: 4652479354515348530637943017457057792.0/17$
 Out: -51.832 ± 0.000 $\chi^2/\text{NDF}: 1748773980809143$
 Left In: -28.706 ± 0.000 $\chi^2/\text{NDF}: 53446645713086882216161894618628096.0/10$
 All: -3.542 ± 0.000 $\chi^2/\text{NDF}: 4166057435193$

dit_4eX_coil7_err_mean vs Slug, Sign Corrected



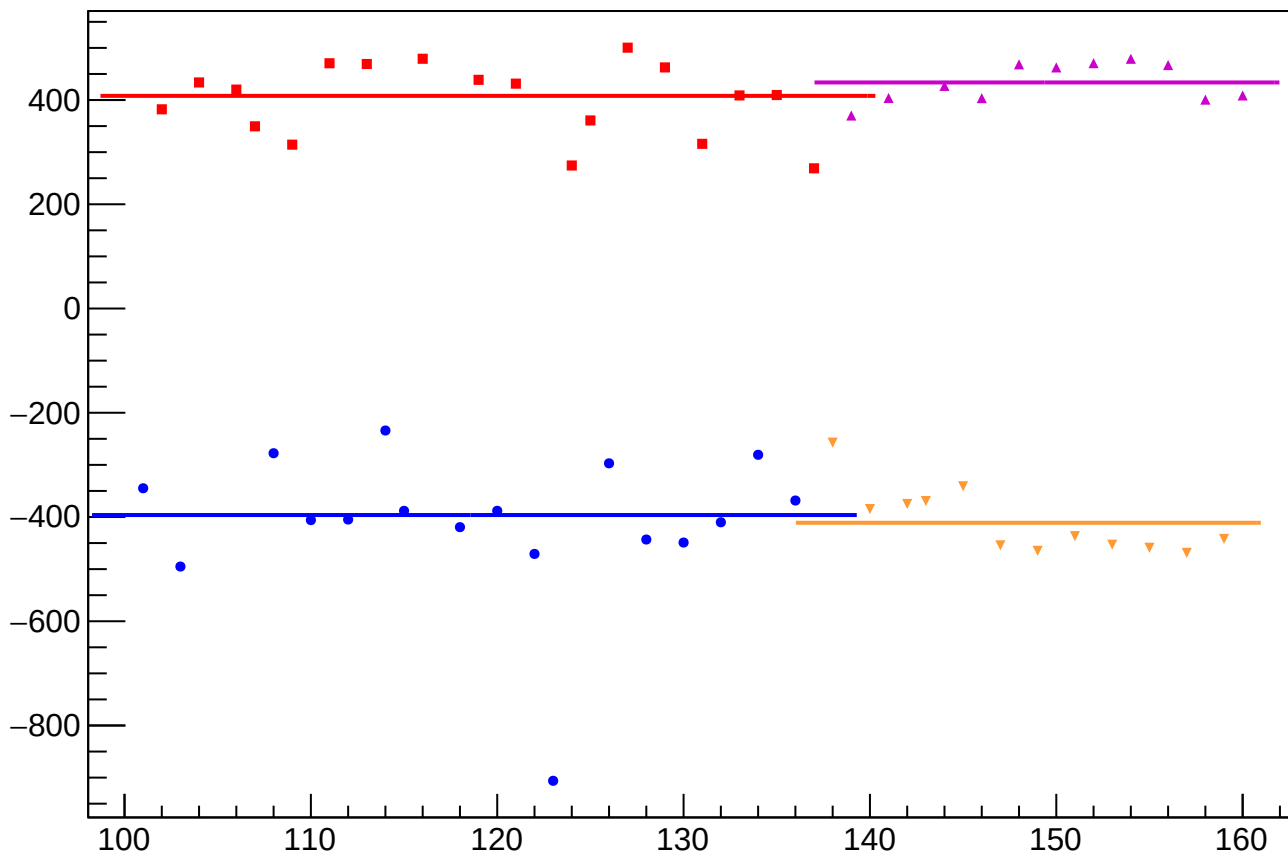
Right In: 7.031+/-0.000 χ^2/NDF : 18686972393169306014765519518826496.0/16
 Left Out: 5.434+/-0.000 χ^2/NDF : 1641961615493557983490036107051008.0/11
 Right Out: -6.568+/-0.000 χ^2/NDF : 13908005278630821419370553666437120.0/17
 Left In: -5.842+/-0.000 χ^2/NDF : 1812226966420315112479835300036608.0/10
 All: -0.101+/-0.000 χ^2/NDF : 1598467643191

dit_4eX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
		All: -16.040+/-0.000	χ^2/NDF : 414386874879

dit_11X12X_coil7_mean vs Slug, Sign Corrected



Right In: -396.205+/-0.000

Left Out: -411.042+/-0.000

Right Out: 408.004+/-0.000

Left In: 433.711+/-0.000

χ^2/NDF : 3915339787327324310697642459645607936.0/16

χ^2/NDF : 3555989077784945680272383641089212416.0/11

χ^2/NDF : 2700413725595197389596215208912617472.0/17

χ^2/NDF : 1189526132627930234621779098826964992.0/10

Left: 16.838+/-0.000 χ^2/NDF : 3333065556726431.0/16

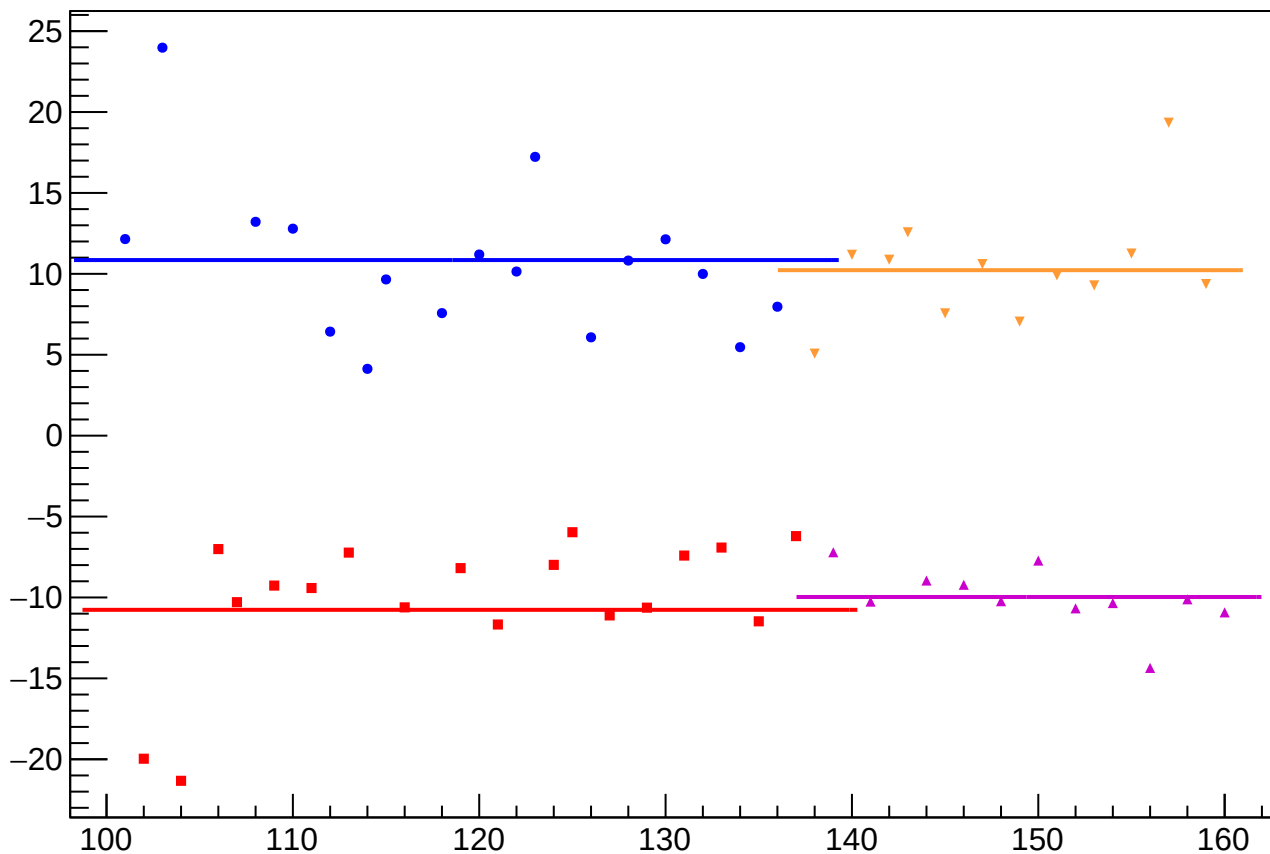
Right: 11.893+/-0.000 χ^2/NDF : 2343837724637462.0/16

In: 79.709+/-0.000 χ^2/NDF : 279213003883537718.0/16

Out: -50.440+/-0.000 χ^2/NDF : 2747299205815523.0/16

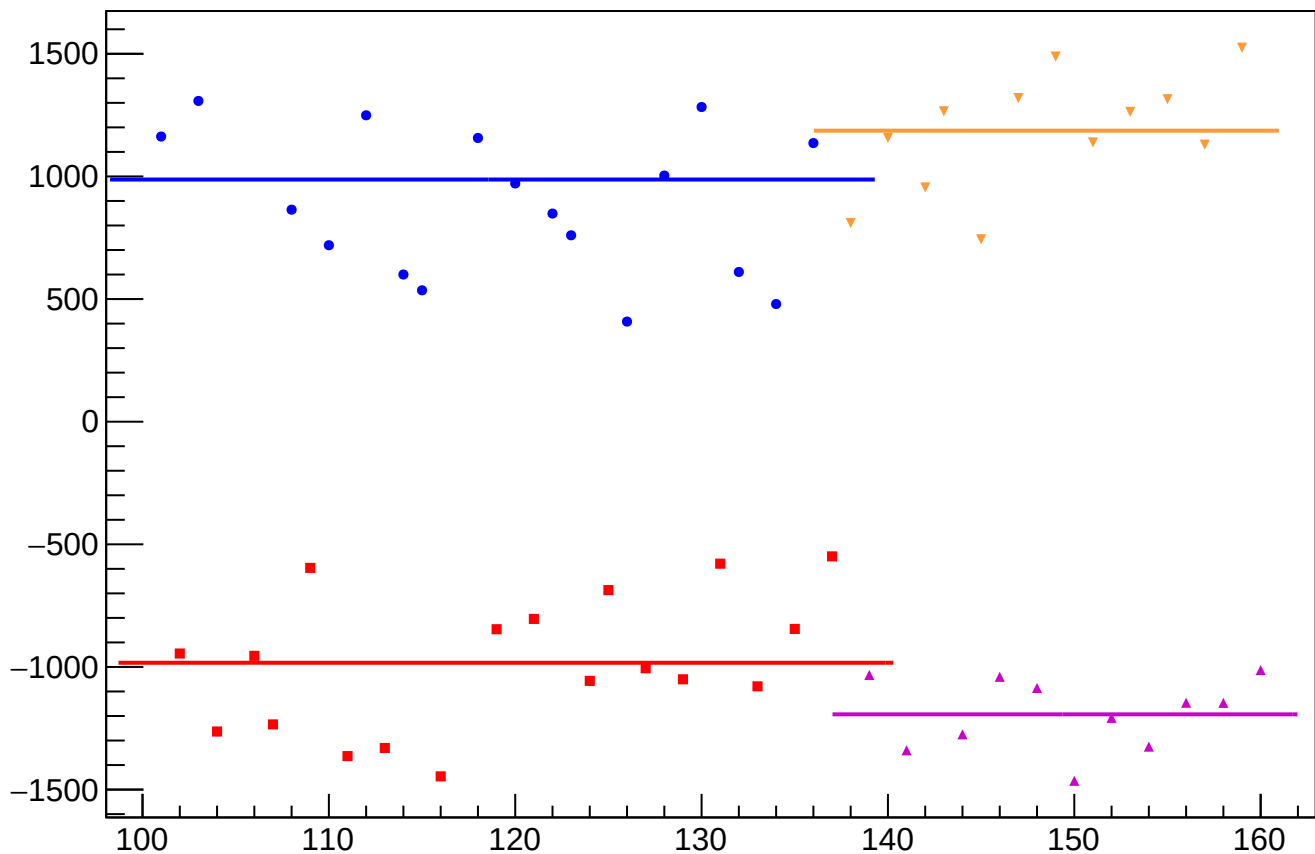
All: 14.695+/-0.000 χ^2/NDF : 5677098484078.0/16

dit_11X12X_coil7_err_mean vs Slug, Sign Corrected



Right In: 10.851 ± 0.000 $\chi^2/\text{NDF}: 15284459899452545966128799384862720.0/16$
 Left Out: 10.227 ± 0.000 $\chi^2/\text{NDF}: 10321587584551104331954948537319424.0/11$
 Right Out: -10.764 ± 0.000 $\chi^2/\text{NDF}: 14575858748491423837639288498946048.0/17$
 Left In: -9.971 ± 0.000 $\chi^2/\text{NDF}: 2900670082842124382118820523802624.0/10$
 All: -0.053 ± 0.000 $\chi^2/\text{NDF}: 3954613272639$

dit_11X12X_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000

χ^2/NDF : 52571386835815299758771040245189181440.0/16

Left Out: 1186.594+/-0.000

χ^2/NDF : 49763362019555548841298308984106647552.0/11

Right Out: -982.831+/-0.000

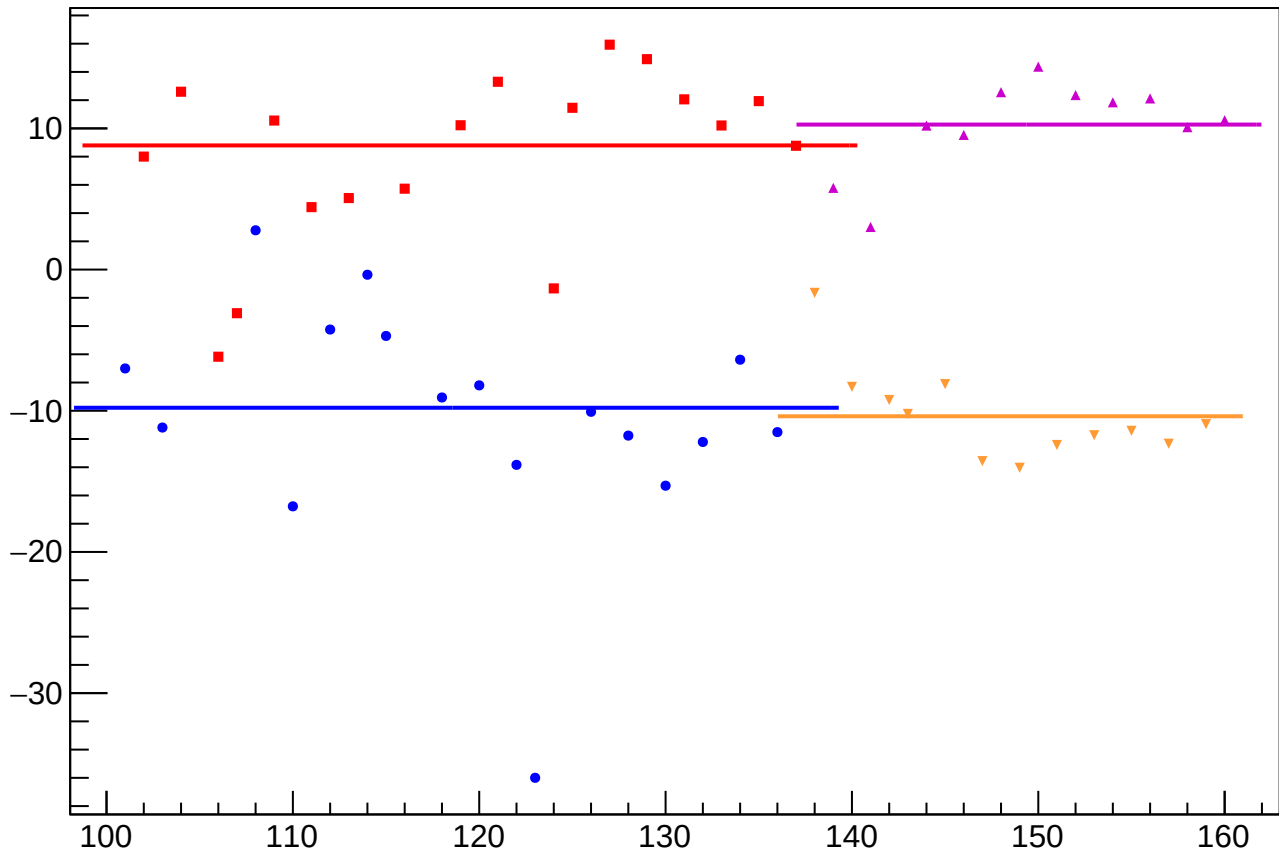
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230+/-0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

All: -16.040+/-0.000 χ^2/NDF : 414386874879

dit_4aY_coil7_mean vs Slug, Sign Corrected



Right In: -9.786+/-0.000

χ^2/NDF : 17296683010620060540445571791454208.0/16

Left Out: -10.390+/-0.000

χ^2/NDF : 9553348608714345843286370808758272.0/11

Right Out: 8.794+/-0.000

χ^2/NDF : 21979472889395409230974985175040000.0/17

Left In: 10.271+/-0.000

χ^2/NDF : 9001548873812579955640597255028736.0/10

Left: 0.075+/-0.000 χ^2/NDF : 215101404895769009

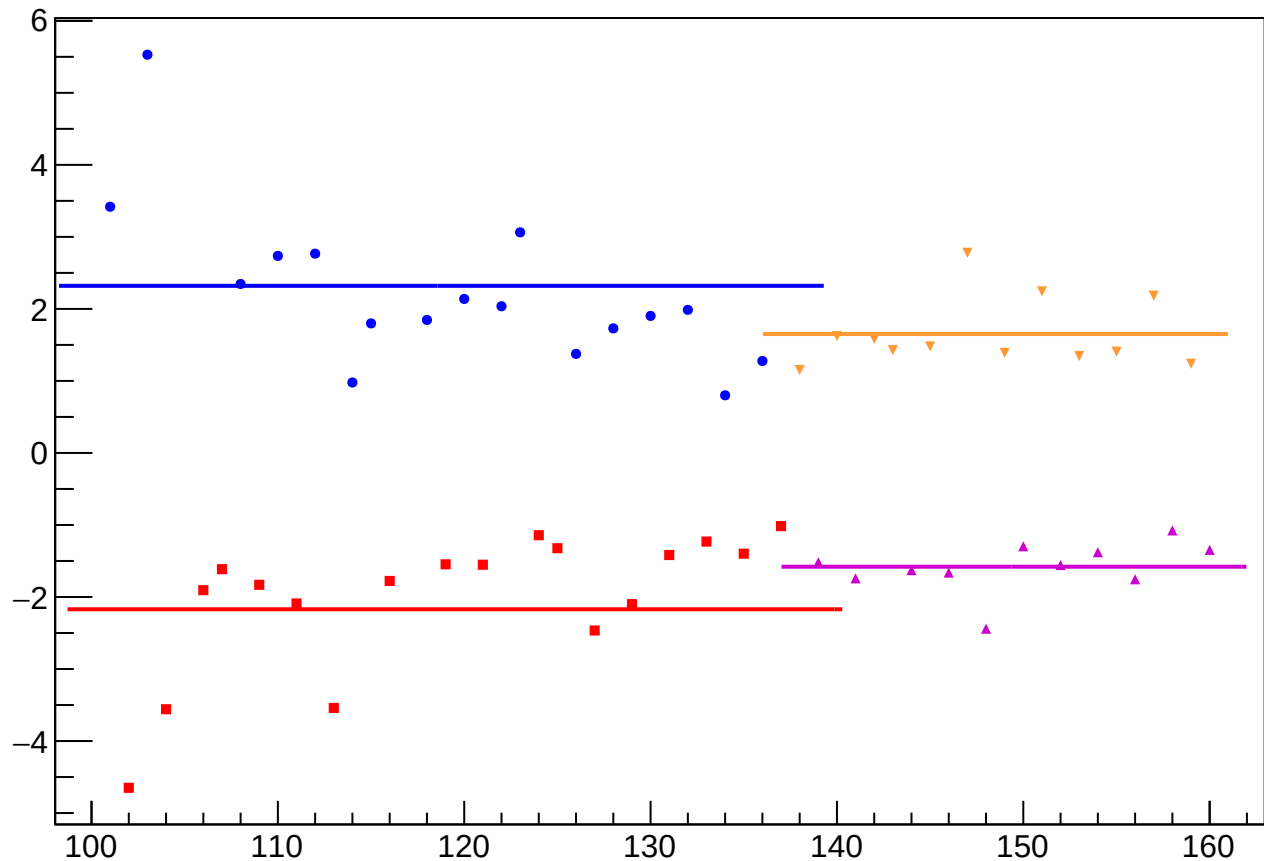
Right: -0.358+/-0.000 χ^2/NDF : 1608503325720223

In: 1.716+/-0.000 χ^2/NDF : 1863923617387902465

Out: -1.944+/-0.000 χ^2/NDF : 17882361824620851

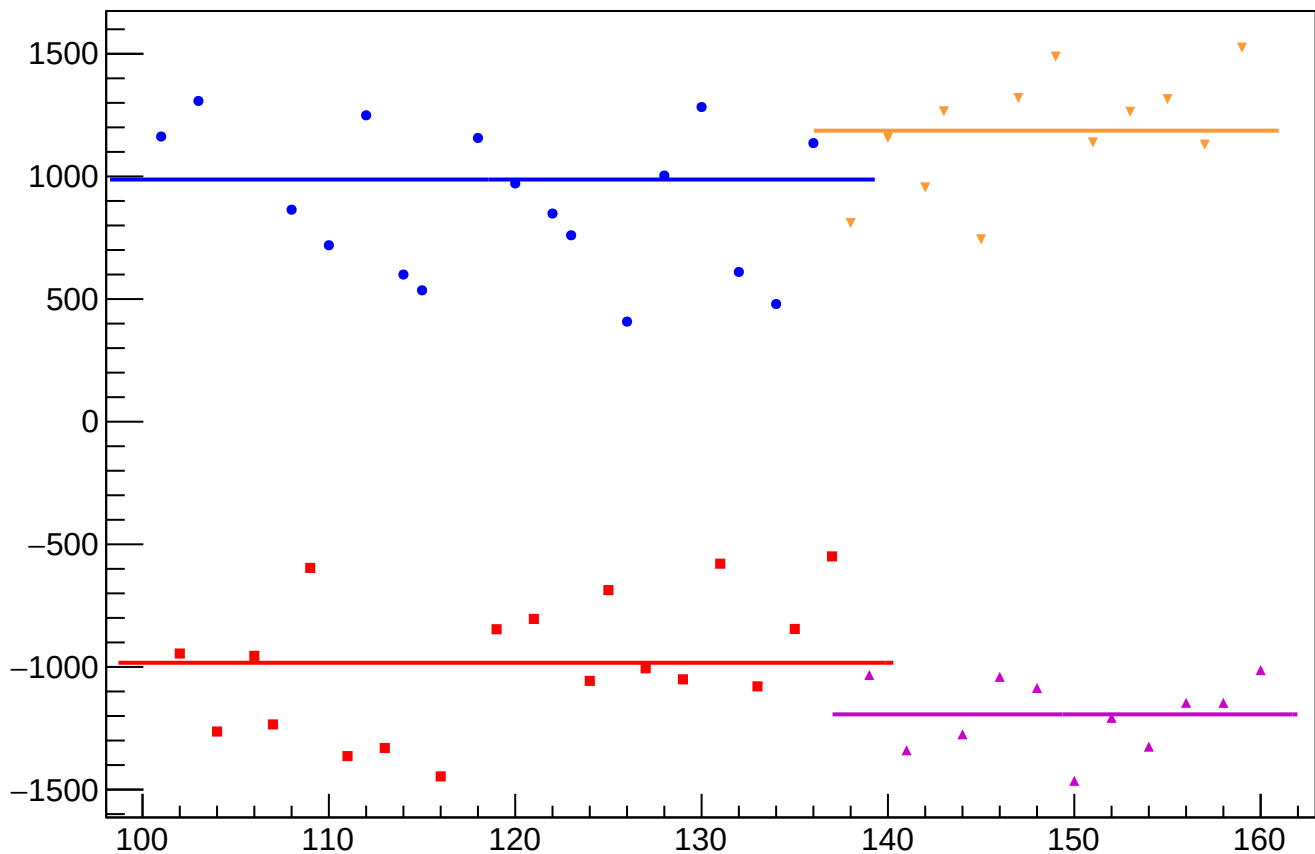
All: -0.113+/-0.000 χ^2/NDF : 3761009854551

dit_4aY_coil7_err_mean vs Slug, Sign Corrected



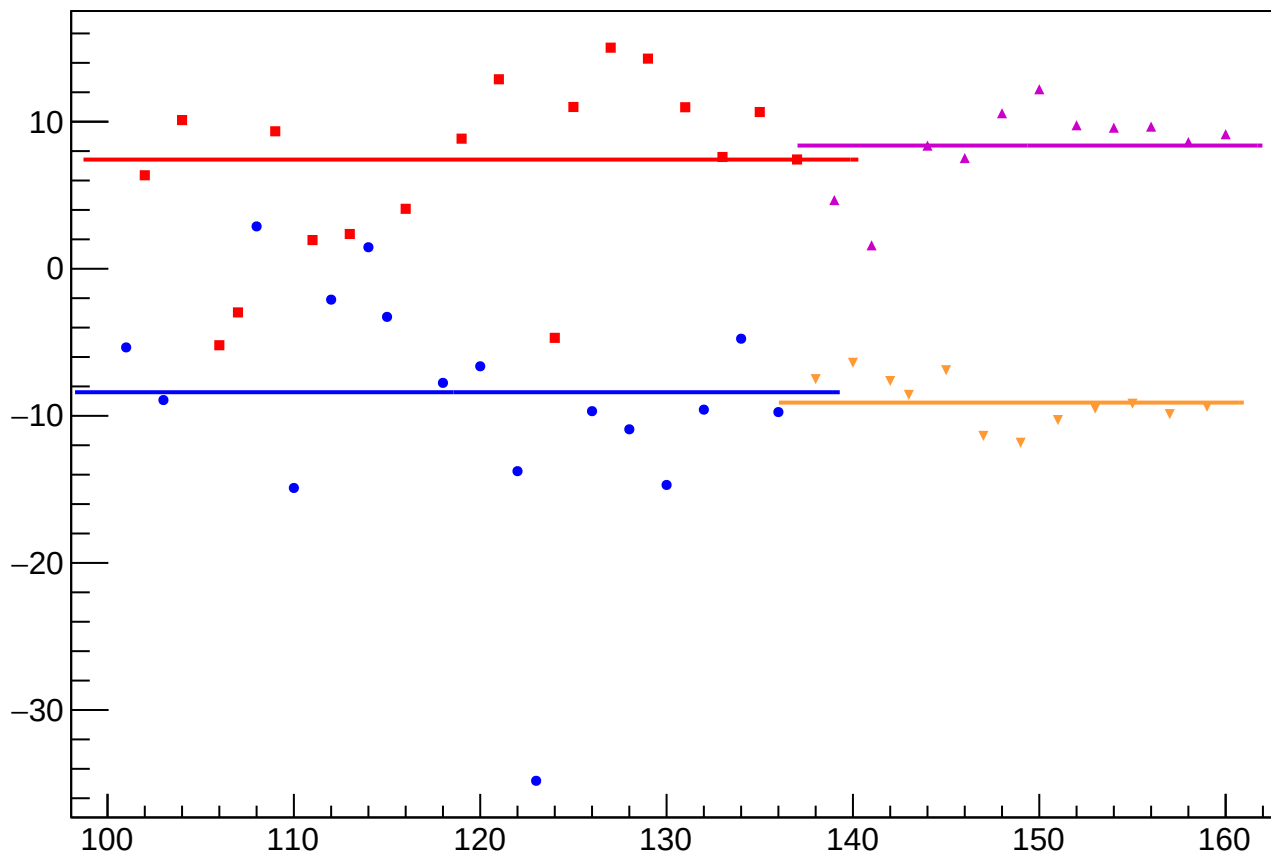
Right In: 2.320 $\pm$ 0.000 χ^2 /NDF: 951785069007432203128626661556224.0/16
 Left Out: 1.651 $\pm$ 0.000 χ^2 /NDF: 204626857159139136985355773804544.0/11
 Right Out: -2.171 $\pm$ 0.000 χ^2 /NDF: 756432905902484239494035607126016.0/17
 Left In: -1.580 $\pm$ 0.000 χ^2 /NDF: 104047648288543214499863879221248.0/10
 All: 0.026 $\pm$ 0.000 χ^2 /NDF: 13925885170207

dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
		All: -16.040+/-0.000	χ^2/NDF : 414386874879

dit_4eY_coil7_mean vs Slug, Sign Corrected



Right In: -8.394+/-0.000

χ^2/NDF : 17454293749905596935063382469378048.0/16

Left Out: -9.098+/-0.000

χ^2/NDF : 2495166400033821389722475105878016.0/11

Right Out: 7.423+/-0.000

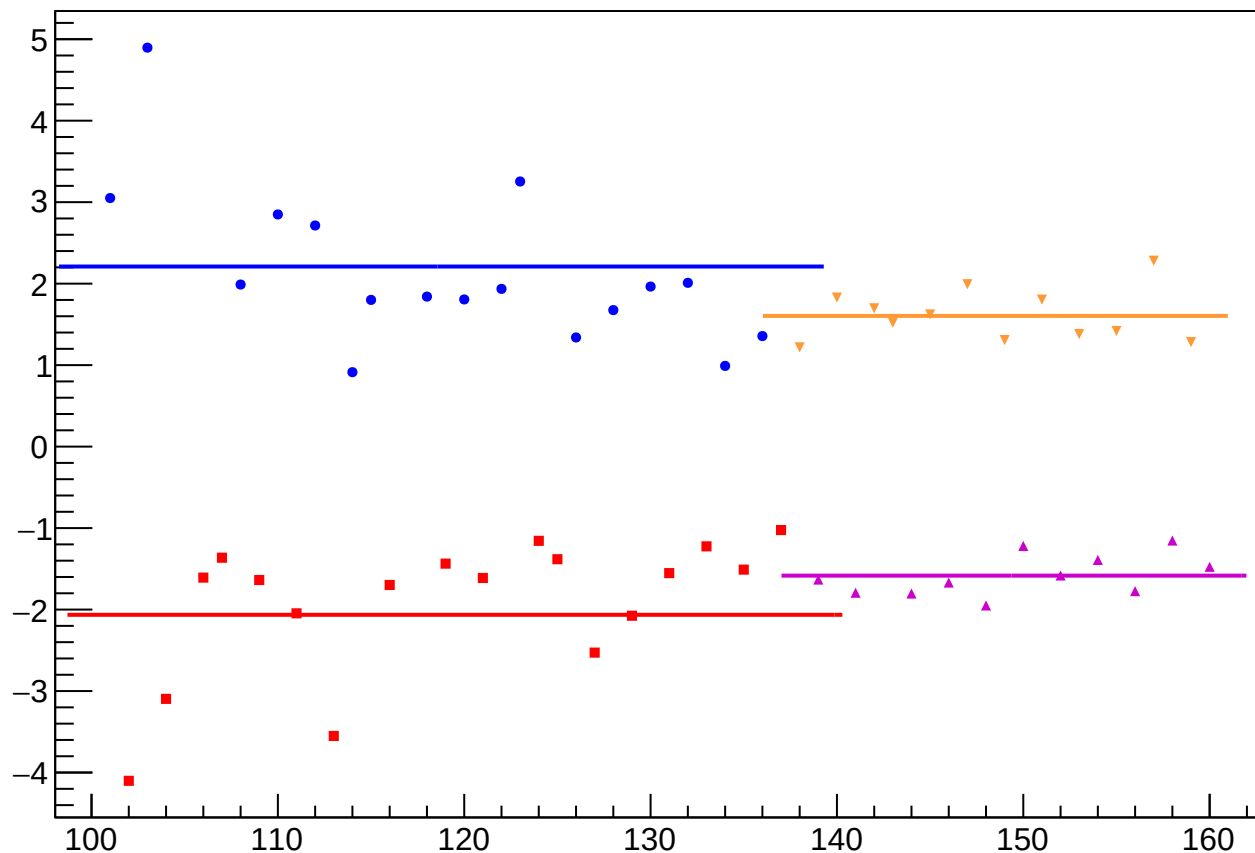
χ^2/NDF : 21448737498509381182656193641840640.0/17

Left In: 8.377+/-0.000

χ^2/NDF : 7305049621104210689876244459159552.0/10

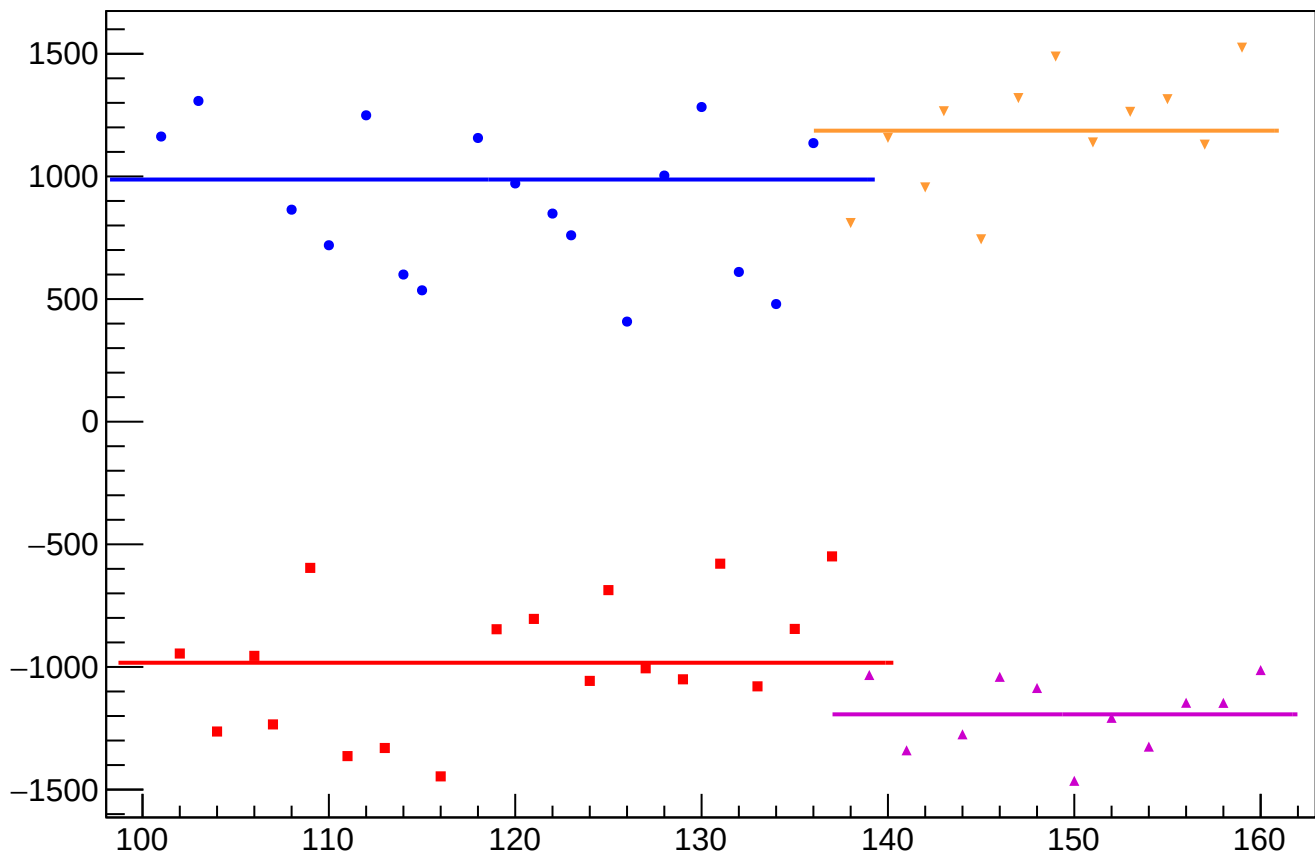
All: -0.299+/-0.000 χ^2/NDF : 2774358772203

dit_4eY_coil7_err_mean vs Slug, Sign Corrected



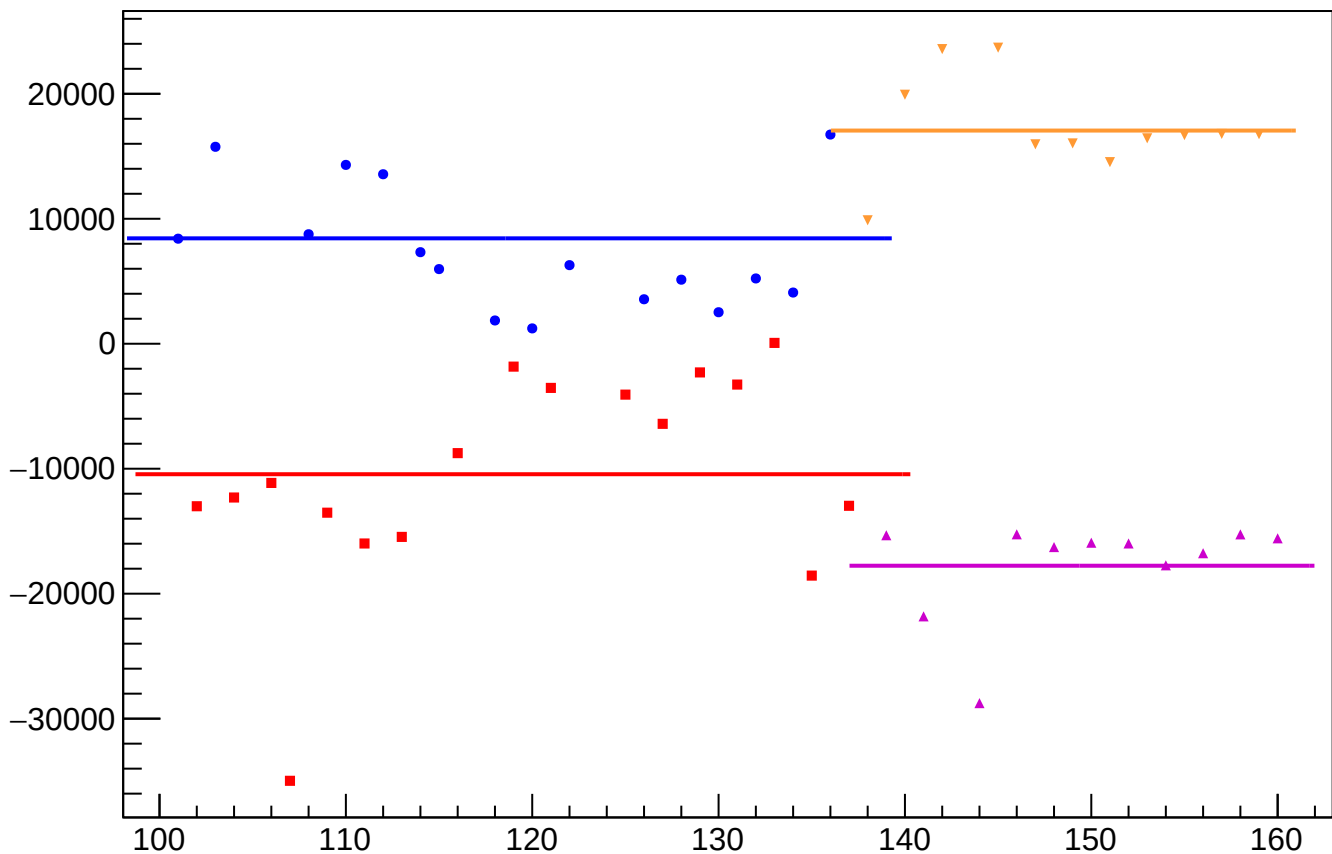
Right In: 2.210 ± 0.000 $\chi^2/\text{NDF}: 685219894303103753186103173054464.0/16$
 Left Out: 1.604 ± 0.000 $\chi^2/\text{NDF}: 88134442876960203086974867734528.0/11$
 Right Out: -2.064 ± 0.000 $\chi^2/\text{NDF}: 574315722841914805756407412948992.0/17$
 Left In: -1.583 ± 0.000 $\chi^2/\text{NDF}: 54376045146817744012212281802752.0/10$
 All: 0.012 ± 0.000 $\chi^2/\text{NDF}: 12516655106587$

dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected



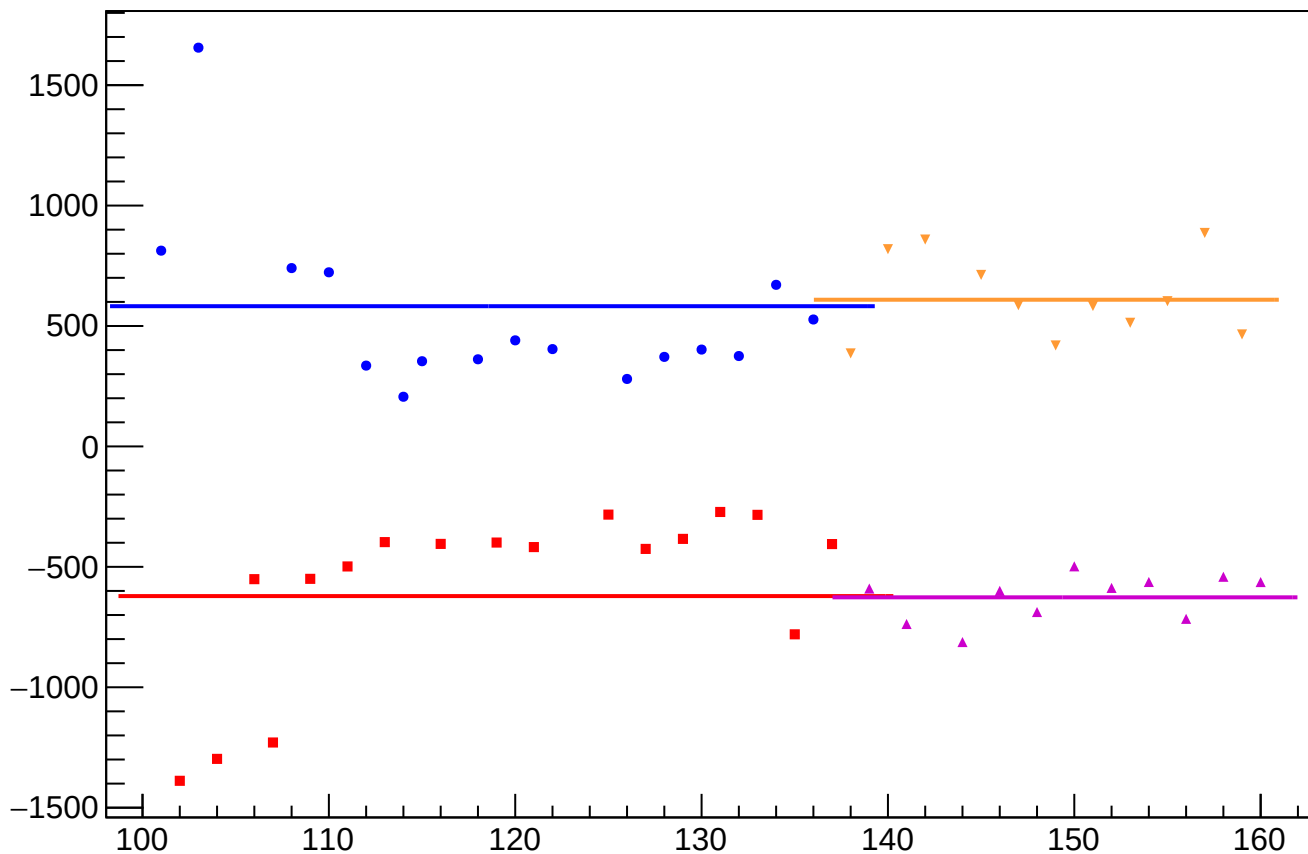
Left: -18.822 +/- 0.000 χ^2/NDF : 2676111842139268
 Right: -12.404 +/- 0.000 χ^2/NDF : 146772402174972
 In: -263.084 +/- 0.000 χ^2/NDF : 1963690344467940
 Out: 231.459 +/- 0.000 χ^2/NDF : 1981402088557405
 All: -16.040 +/- 0.000 χ^2/NDF : 414386874879

dit_usl_coil7_mean vs Slug, Sign Corrected



Left: -1245.042 +/- 0.000 χ^2/NDF : 56237981785295
 Right In: 8433.891 +/- 0.000 χ^2/NDF : 20327422028204985369763408215621299601408.0/15
 Right: -1078.036 +/- 0.000 χ^2/NDF : 1900738652281.
 Left Out: 17058.273 +/- 0.000 χ^2/NDF : 10811611646396396135044758761220754898944.0/10
 In: -6625.773 +/- 0.000 χ^2/NDF : 307466944547419
 Right Out: -10440.704 +/- 0.000 χ^2/NDF : 45868144044016746065453678570140629729280.0/16
 Out: 4565.219 +/- 0.000 χ^2/NDF : 345945663239986
 Left In: -17763.145 +/- 0.000 χ^2/NDF : 14921716045152593676189631342379599396864.0/10
 All: -1171.667 +/- 0.000 χ^2/NDF : 7524754338

dit_usl_coil7_err_mean vs Slug, Sign Corrected



Right In: 582.194+/-0.000

χ^2/NDF : 92652521491388929844313077938841976832.0/15

Left Out: 609.049+/-0.000

χ^2/NDF : 22435846570397404635858963221446656000.0/10

Right Out: -621.413+/-0.000

χ^2/NDF : 99044900314697449740386824149731901440.0/16

Left In: -626.604+/-0.000

χ^2/NDF : 8153830016512989620574087402930307072.0/10

Left: -40.452+/-0.000 χ^2/NDF : 7063435866504061

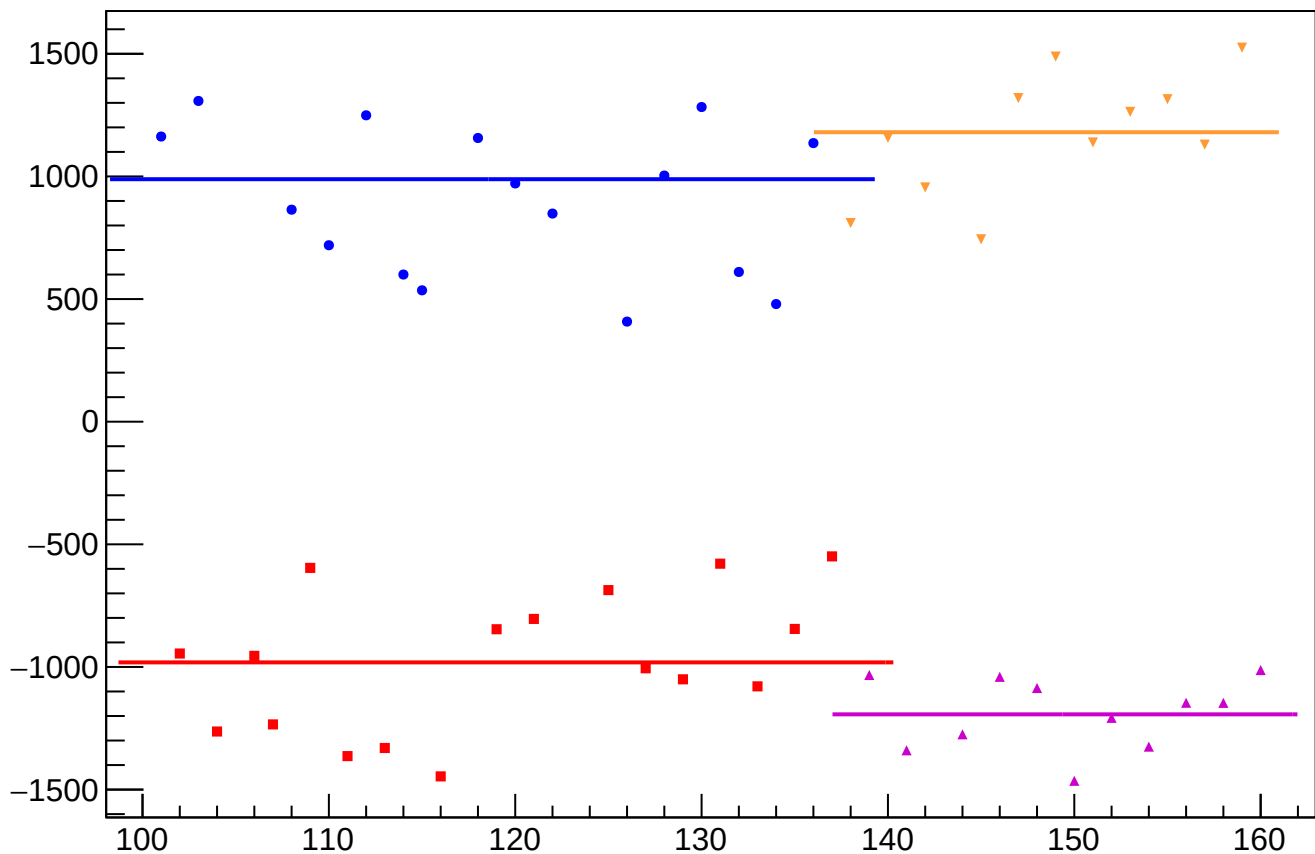
Right: -24.369+/-0.000 χ^2/NDF : 695441277498736

In: -112.697+/-0.000 χ^2/NDF : 6803947133451579

Out: 50.038+/-0.000 χ^2/NDF : 70064415971777849

All: -33.386+/-0.000 χ^2/NDF : 140198658530

dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 988.706+/-0.000

χ^2/NDF : 52363367379197496459026096064200441856.0/15

Left Out: 1180.302+/-0.000

χ^2/NDF : 49311054965426356670958856612989632512.0/10

Right Out: -981.352+/-0.000

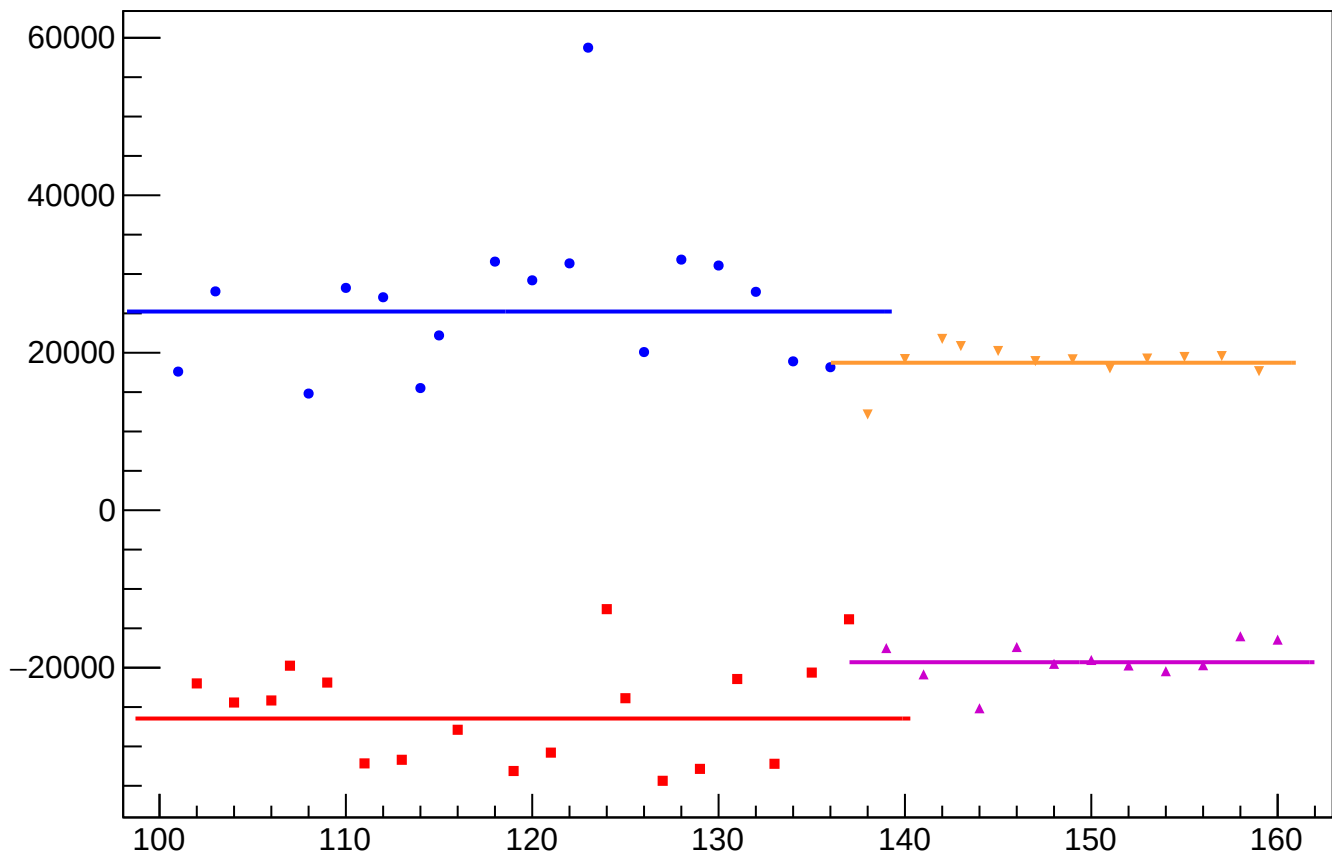
χ^2/NDF : 48028000110939353209143459445919973376.0/16

Left In: -1193.230+/-0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

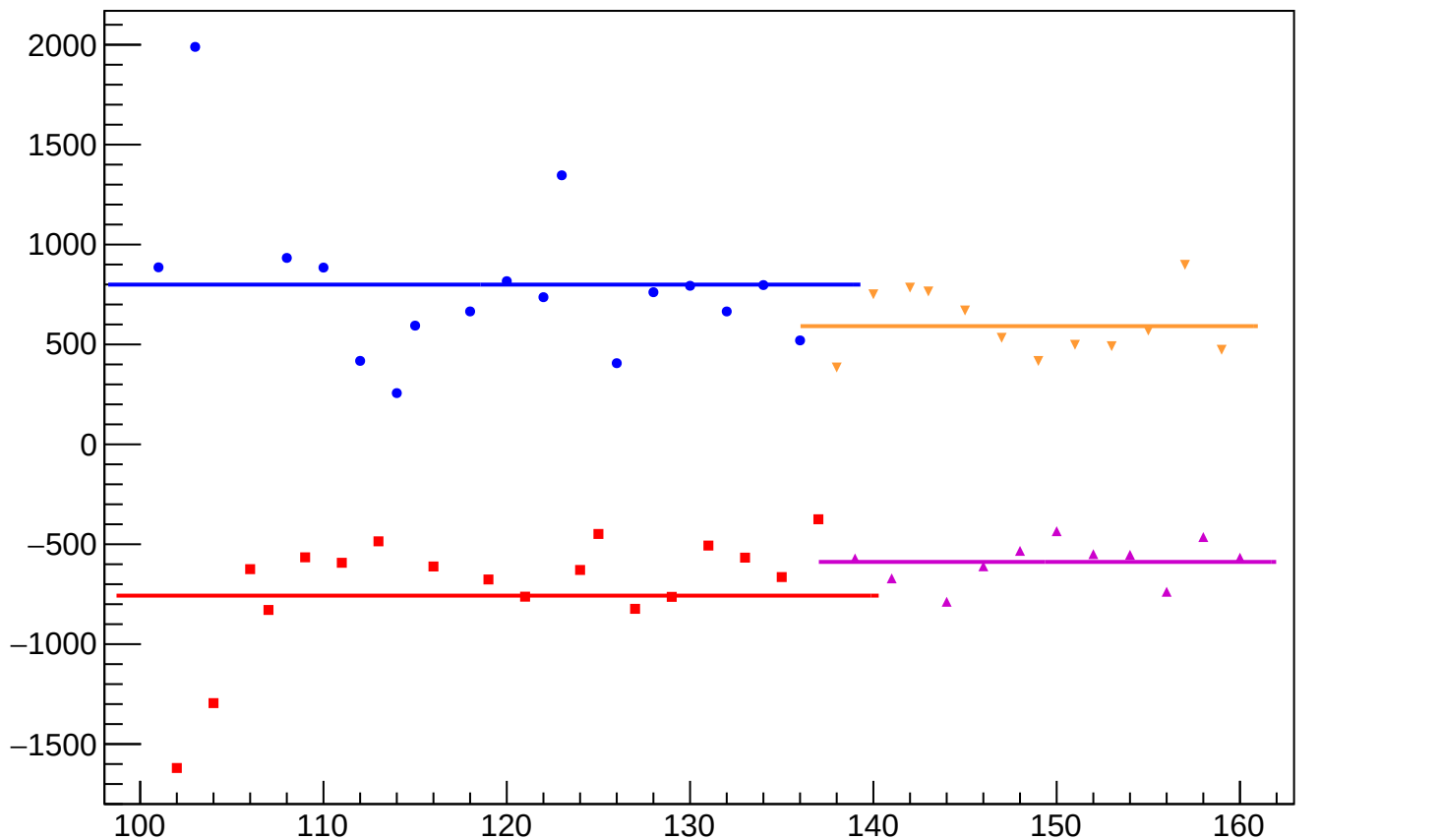
All: -39.542+/-0.000 χ^2/NDF : 401447824539

dit_usr_coil7_mean vs Slug, Sign Corrected



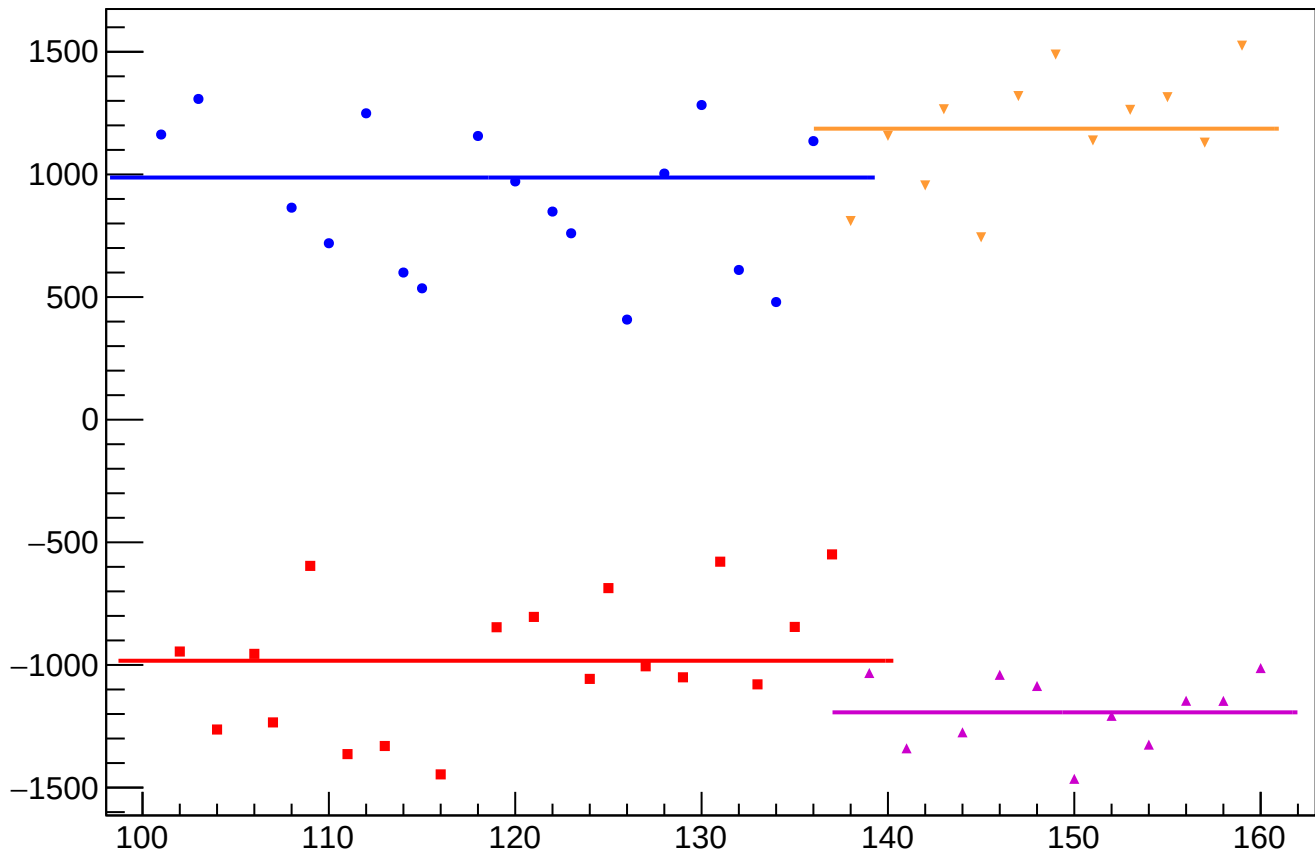
Right In: 25236.317+/-0.000 χ^2/NDF : 29071522213059582283269412071648973029376.0/16
 Left Out: 18733.088+/-0.000 χ^2/NDF : 4548859708795276009115062862764547506176.0/11
 Right Out: -26455.988+/-0.000 χ^2/NDF : 24365500126615965846523683173160051539968.0/17
 Left In: -19304.267+/-0.000 χ^2/NDF : 5534312846763223984199919197299769606144.0/10
 All: -733.477+/-0.000 χ^2/NDF : 16708833961

dit_usr_coil7_err_mean vs Slug, Sign Corrected



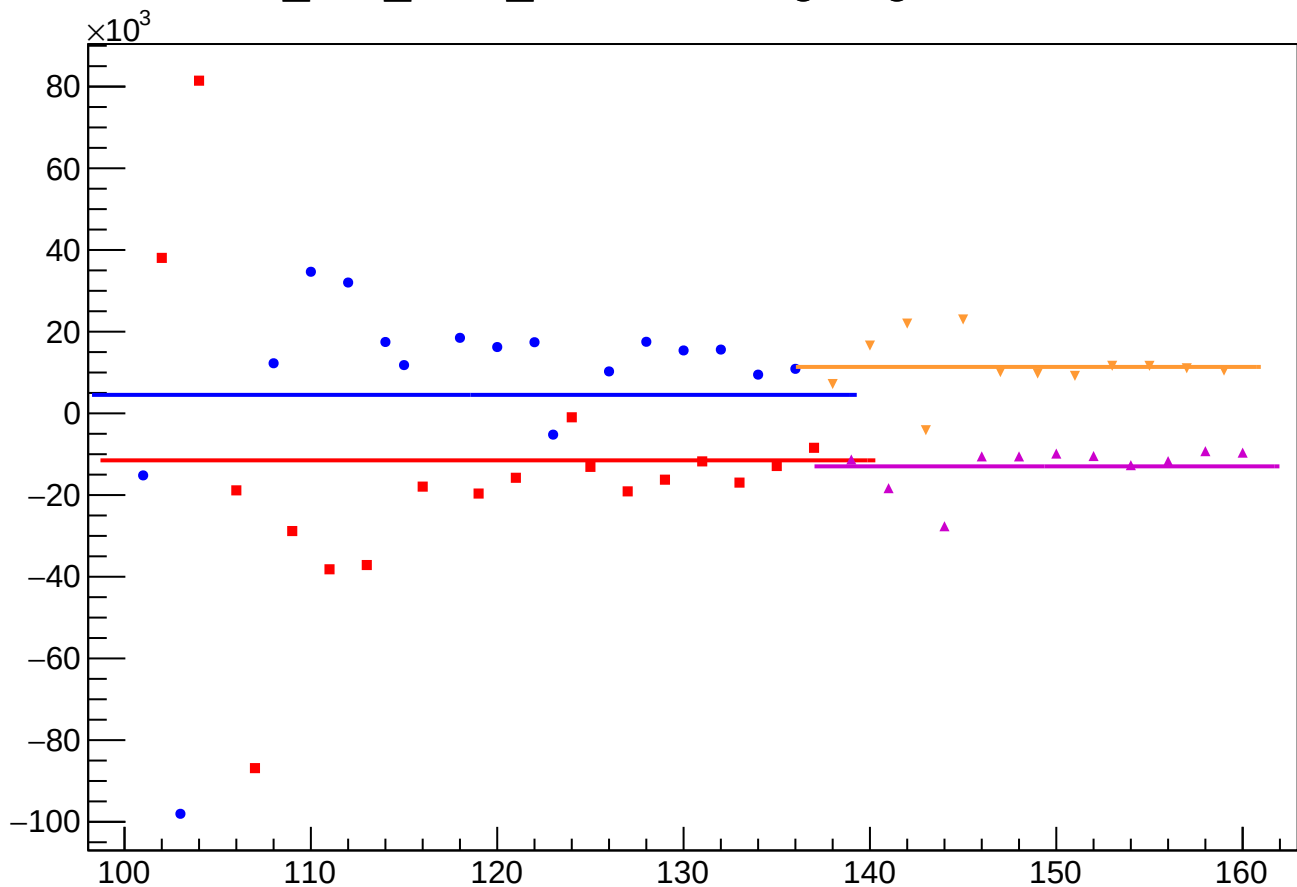
Right In: 799.524+/-0.000 χ^2/NDF : 112536154235498414231657645251770712064.0/16
 Left Out: 591.628+/-0.000 χ^2/NDF : 22099670593221557738114196407951818752.0/11
 Right Out: -757.193+/-0.000 χ^2/NDF : 76794158982285513543711222288246374400.0/17
 Left In: -588.417+/-0.000 χ^2/NDF : 9911176401969663265546101605651185664.0/10
 All: 0.699+/-0.000 χ^2/NDF : 17161176643386

dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected



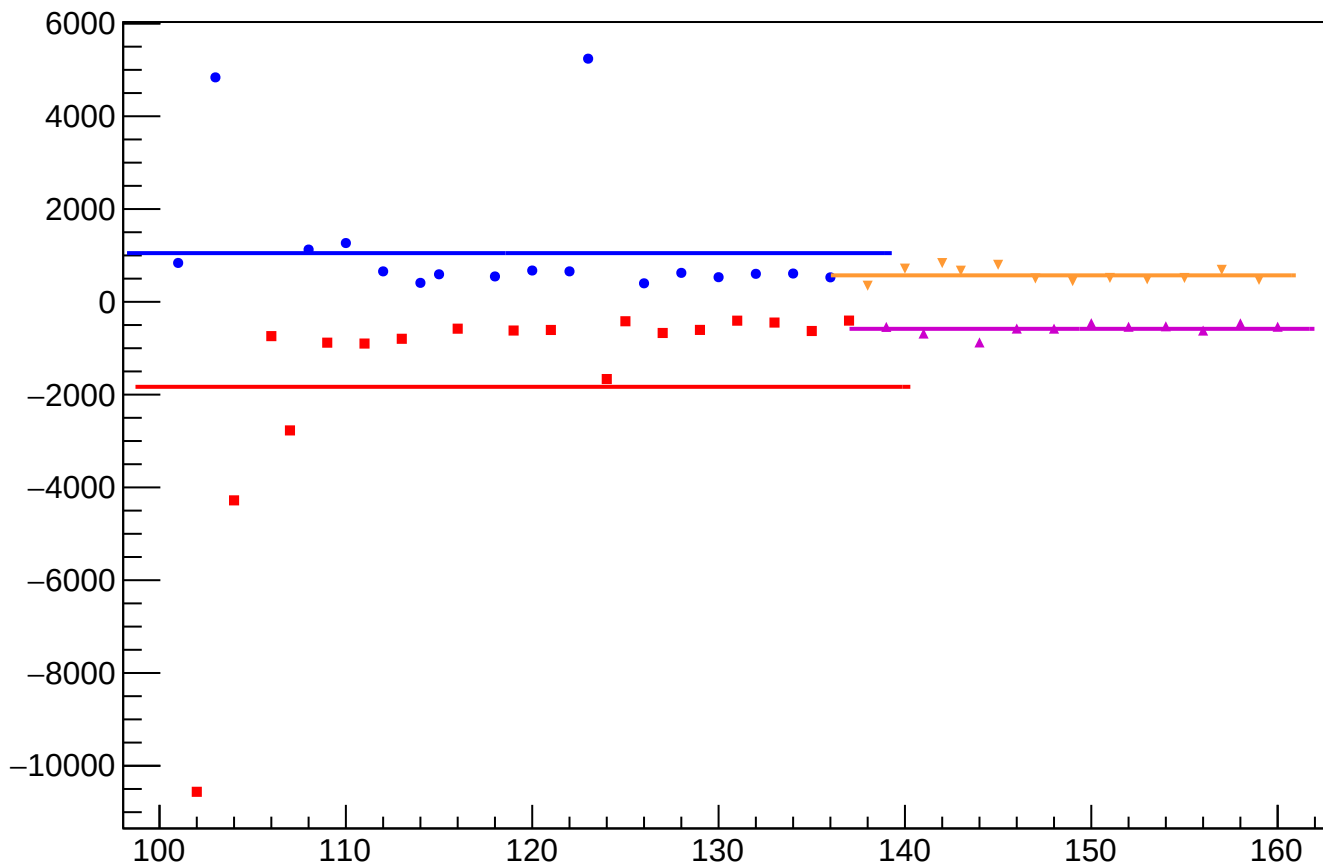
Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
	All: -16.040+/-0.000	χ^2/NDF : 414386874879	

dit_atl1_coil7_mean vs Slug, Sign Corrected



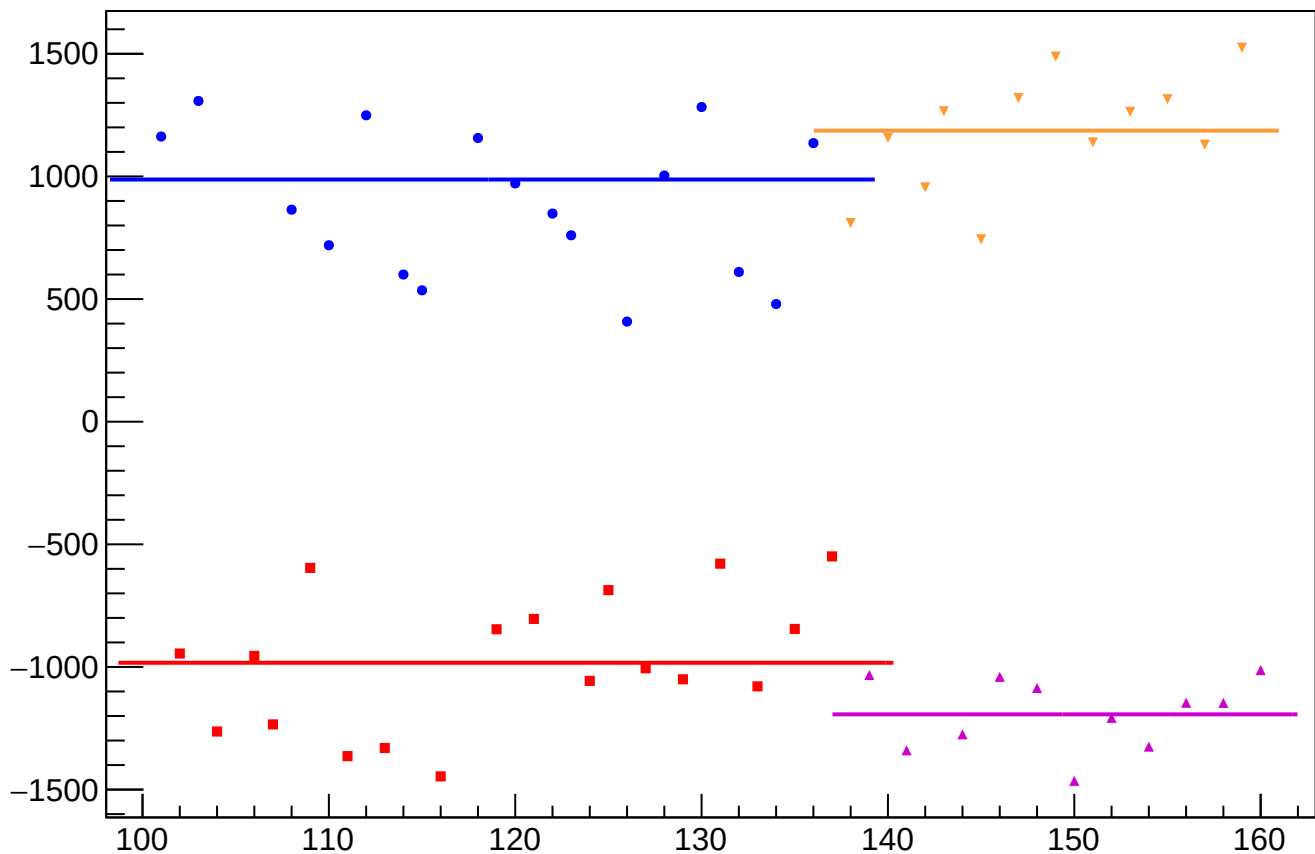
Left: -960.479 ± 0.000 $\chi^2/\text{NDF}: 335486095766420$
 Right In: 4528.489 ± 0.000 $\chi^2/\text{NDF}: 765984421186945141508299673026645807071232.0/16$
 Right: -3606.875 ± 0.000 $\chi^2/\text{NDF}: 1734338684429$
 Left Out: 11369.972 ± 0.000 $\chi^2/\text{NDF}: 36208718267646883298044880734212432330752.0/11$
 In: -5508.135 ± 0.000 $\chi^2/\text{NDF}: 914318515263744$
 Right Out: -11503.298 ± 0.000 $\chi^2/\text{NDF}: 877839720750399952947204251622051720200192.0/17$
 Out: 1299.536 ± 0.000 $\chi^2/\text{NDF}: 112343094561766$
 Left In: -12973.748 ± 0.000 $\chi^2/\text{NDF}: 26423716846952217142475221393758111137792.0/10$
 All: -2107.441 ± 0.000 $\chi^2/\text{NDF}: 2075415828$

dit_atl1_coil7_err_mean vs Slug, Sign Corrected



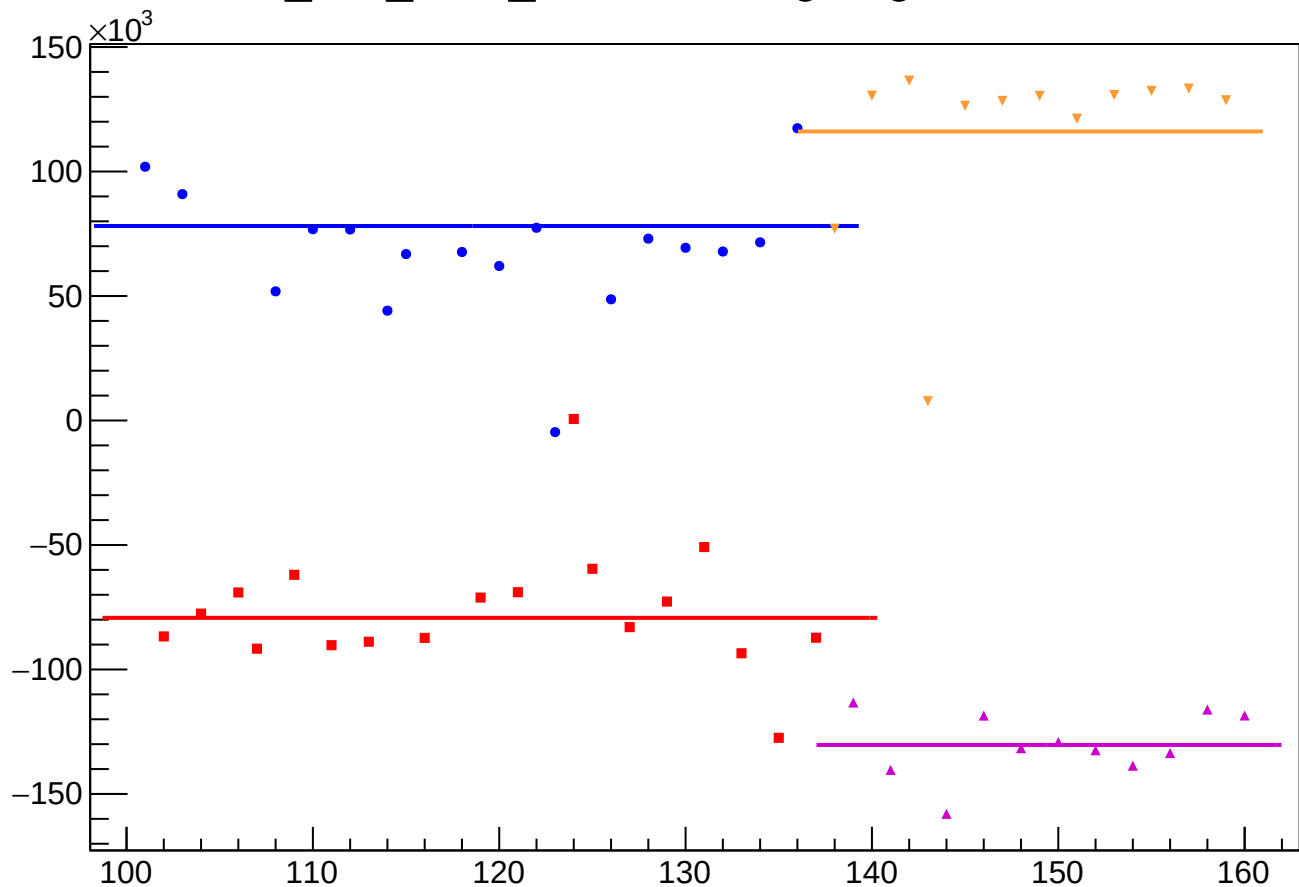
Right In: 1049.780+/-0.000 χ^2/NDF : 1038421858157169578640574748223478956032.0/16
 Left Out: 570.856+/-0.000 χ^2/NDF : 18128369827839480022049807034159726592.0/11
 Right Out: -1831.763+/-0.000 χ^2/NDF : 5560667897153995144780835972954558824448.0/17
 Left In: -581.939+/-0.000 χ^2/NDF : 11881601275531706993869358655522996224.0/10
 All: -186.159+/-0.000 χ^2/NDF : 10292512175

dit_atl1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
		All: -16.040+/-0.000	χ^2/NDF : 414386874879

dit_atl2_coil7_mean vs Slug, Sign Corrected



Right In: 78120.227+/-0.000

Left Out: 116083.925+/-0.000

Right Out: -79260.499+/-0.000

Left In: -130317.995+/-0.000

χ^2/NDF : 308820964030920149649775995002991312633856.0/16

χ^2/NDF : 1055028859665678299066390828243571544424448.0/11

χ^2/NDF : 303215964703866066986504542190112711114752.0/17

χ^2/NDF : 147443434358857033174111826688008821669888.0/10

Left: -8722.259+/-0.000 χ^2/NDF : 29156479686744

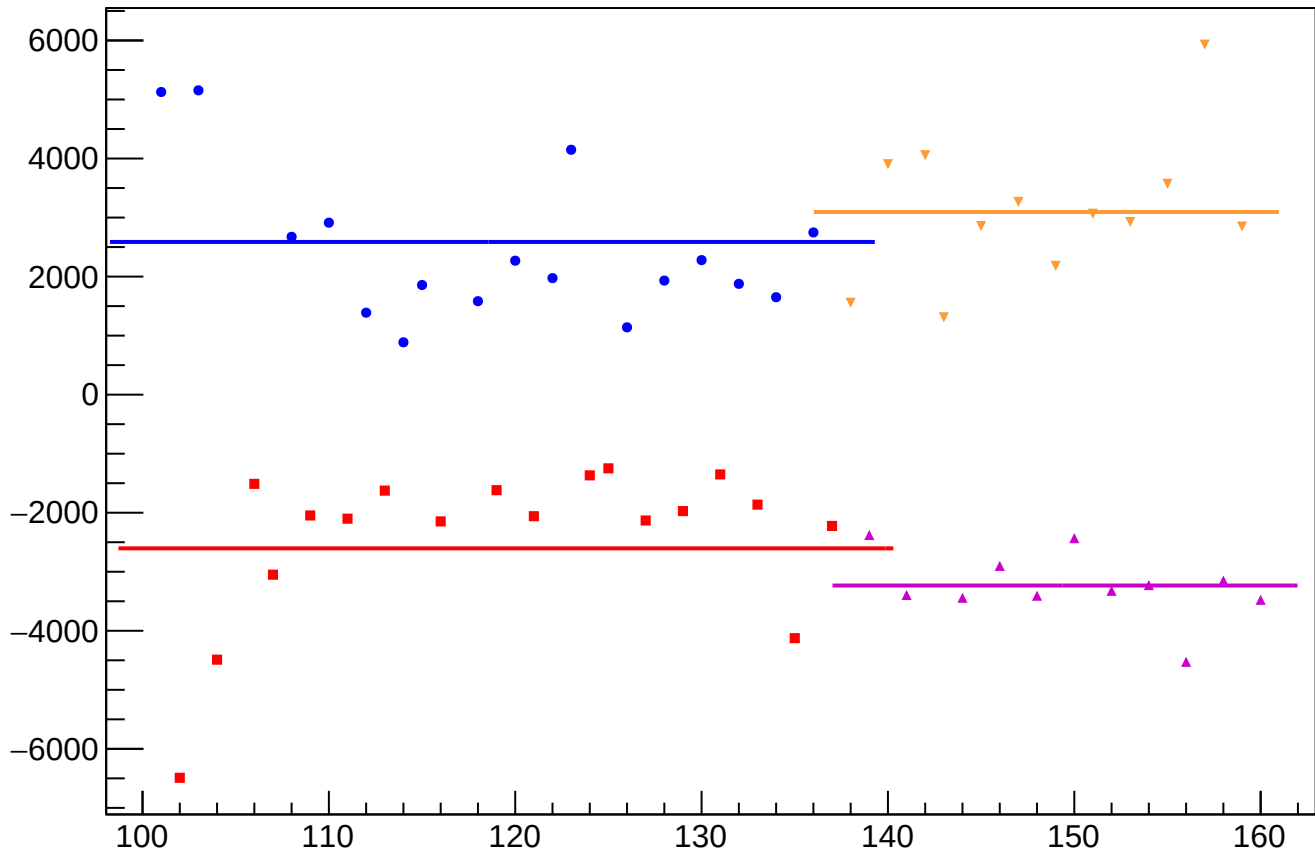
Right: -1742.952+/-0.000 χ^2/NDF : 9334870875198

In: -41408.268+/-0.000 χ^2/NDF : 17746793350482

Out: 30079.453+/-0.000 χ^2/NDF : 16629893935480

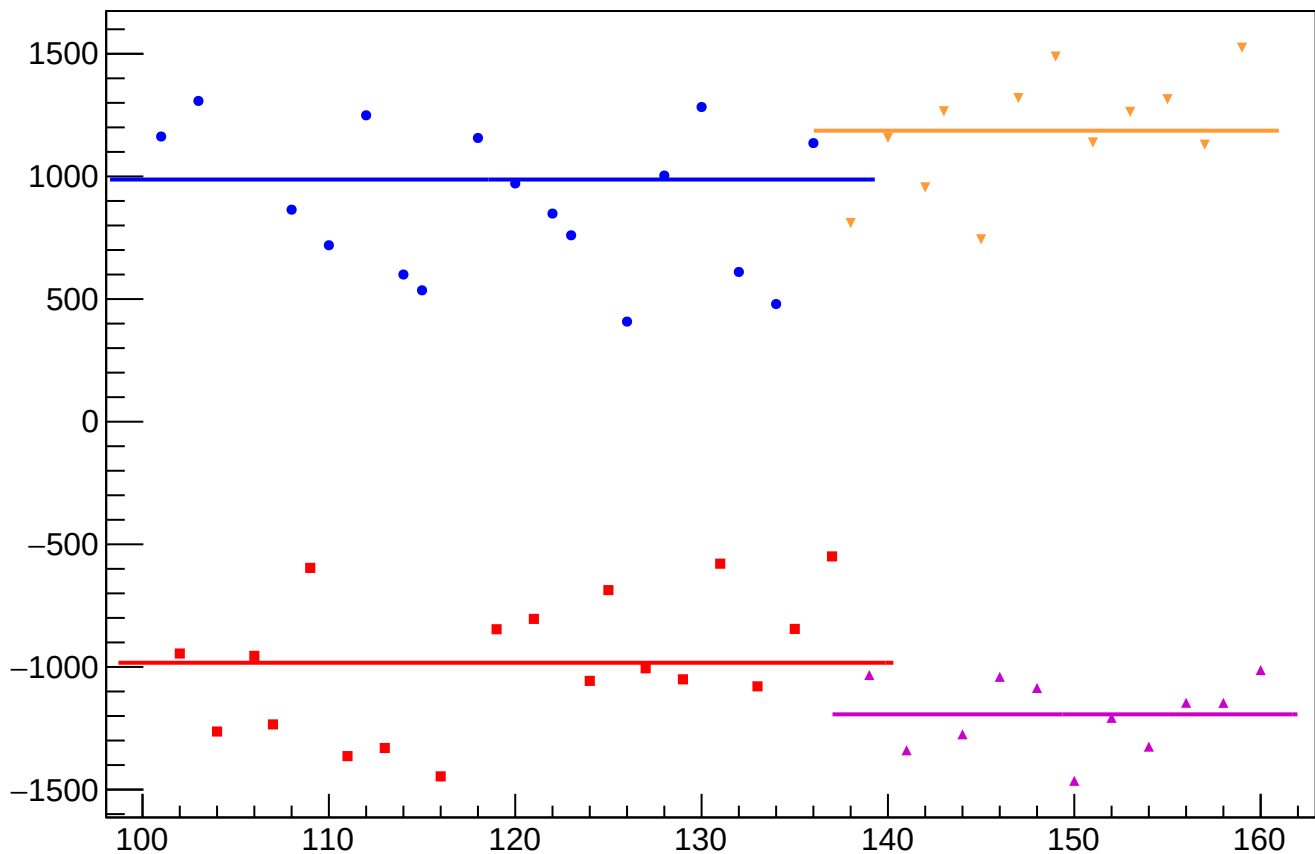
All: -5697.392+/-0.000 χ^2/NDF : 3853023790

dit_atl2_coil7_err_mean vs Slug, Sign Corrected



Right In: 2586.924+/-0.000 χ^2/NDF : 1122415737488478857695553804598689923072.0/16
 Left Out: 3094.875+/-0.000 χ^2/NDF : 1190700908263990863745595905660178923520.0/11
 Right Out: -2603.762+/-0.000 χ^2/NDF : 1547340202870581842616287406625719844864.0/17
 Left In: -3233.353+/-0.000 χ^2/NDF : 275364684617140508153597807706060619776.0/10
 All: -83.003+/-0.000 χ^2/NDF : 320659370232

dit_atl2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388 $\pm$ 0.000

χ^2/NDF : 52571386835815299758771040245189181440.0/16

Left Out: 1186.594 $\pm$ 0.000

χ^2/NDF : 49763362019555548841298308984106647552.0/11

Right Out: -982.831 $\pm$ 0.000

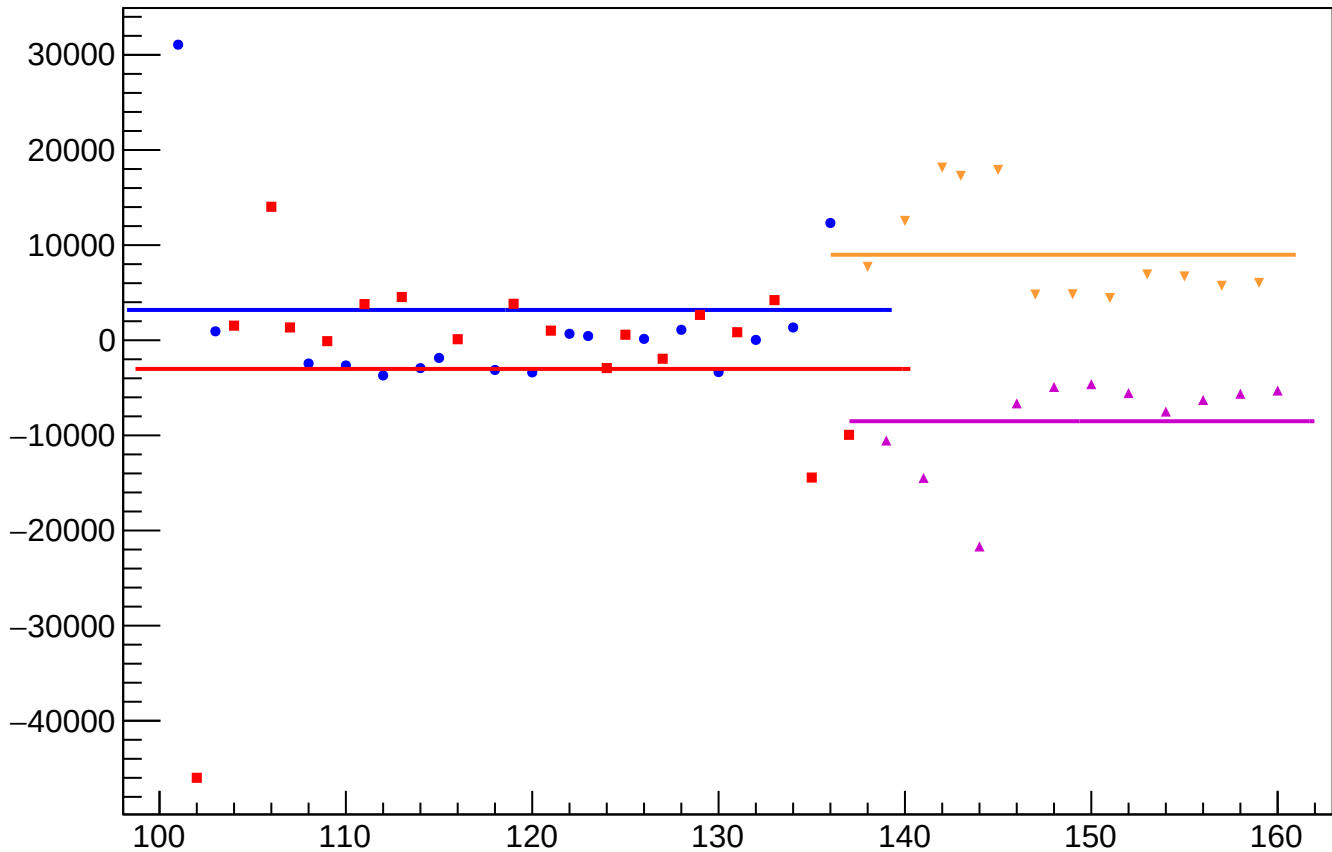
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230 $\pm$ 0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

All: -16.040 $\pm$ 0.000 χ^2/NDF : 414386874879

dit_atr1_coil7_mean vs Slug, Sign Corrected



Right In: 3187.051+/-0.000

χ^2/NDF : 66270389171193911836791515591398561677312.0/16

Left Out: 8990.897+/-0.000

χ^2/NDF : 22509101259112678607157462677691985559552.0/11

Right Out: -3012.400+/-0.000

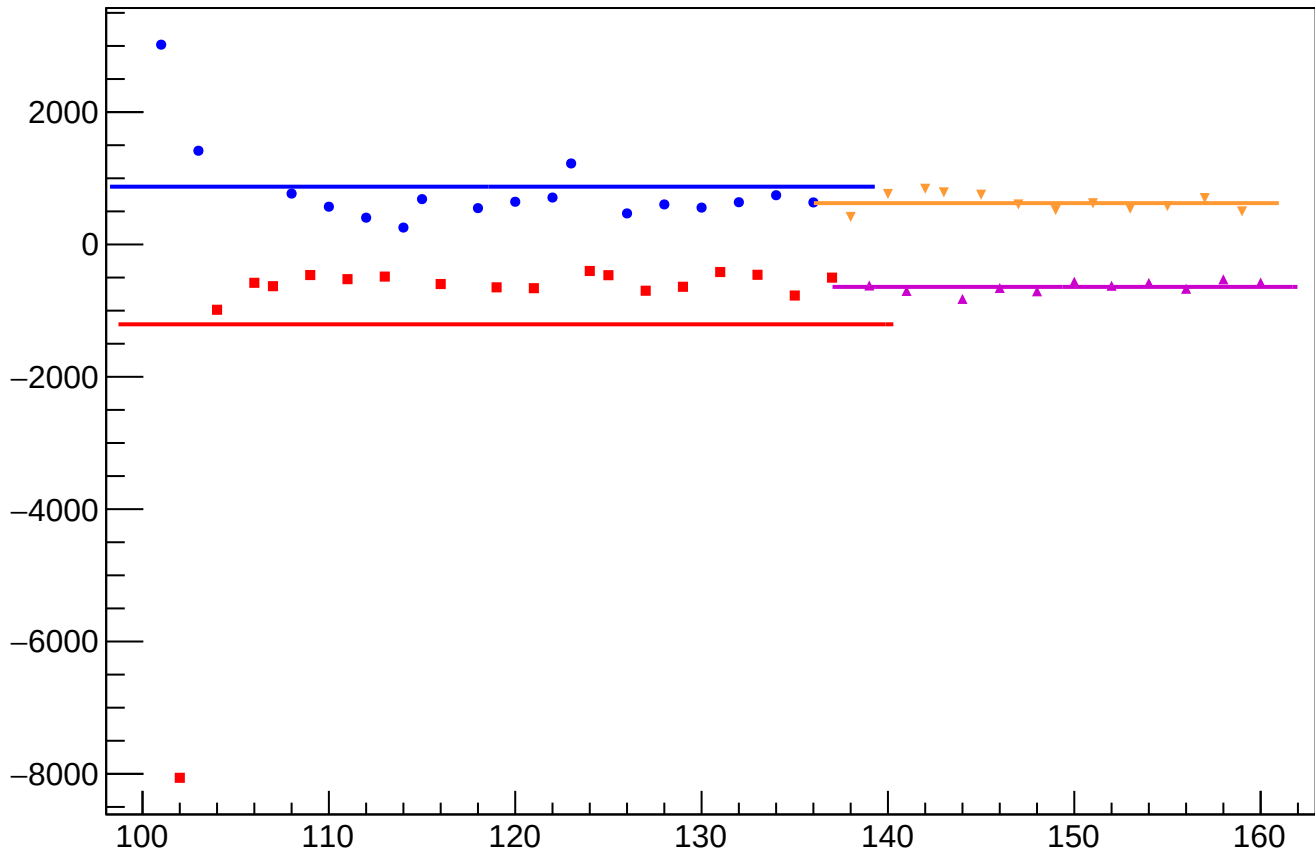
χ^2/NDF : 138157018088298657463529912150565226283008.0/17

Left In: -8511.318+/-0.000

χ^2/NDF : 24333332735687390089977674929475300622336.0/10

All: 89.084+/-0.000 χ^2/NDF : 4058505302621

dit_atr1_coil7_err_mean vs Slug, Sign Corrected



Right In: 873.306+/-0.000

χ^2/NDF : 340993590653355605867273192516364533760.0/16

Left Out: 624.813+/-0.000

χ^2/NDF : 13578620393793038879015873058055389184.0/11

Right Out: -1206.661+/-0.000

χ^2/NDF : 2979483538609797767268010500388070359040.0/17

Left In: -641.139+/-0.000

χ^2/NDF : 604973887802963625692620261114180608.0/10

Left: -16.410+/-0.000 χ^2/NDF : 7575167958835405

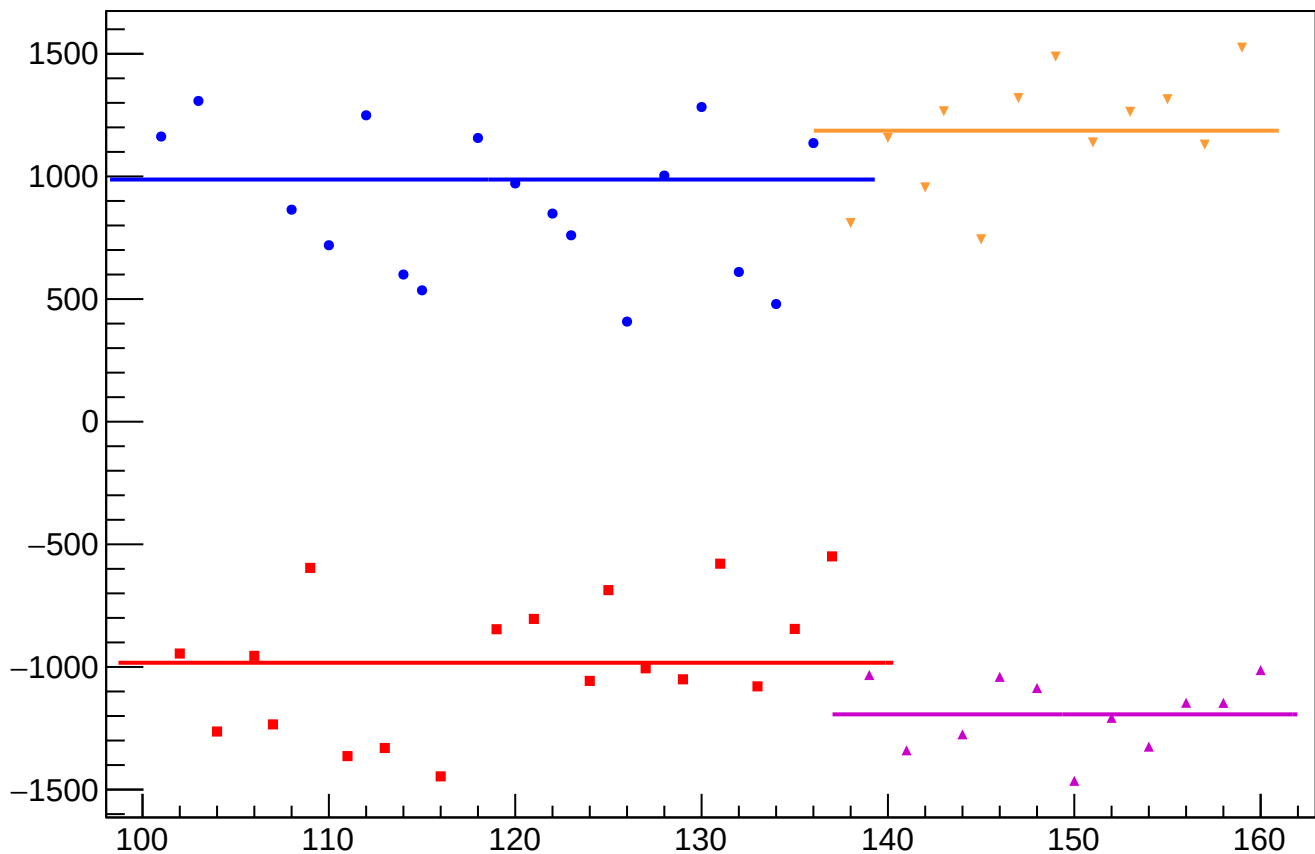
Right: -182.178+/-0.000 χ^2/NDF : 48440648254414

In: 4.850+/-0.000 χ^2/NDF : 1259811416123502900

Out: -181.532+/-0.000 χ^2/NDF : 433547407586540

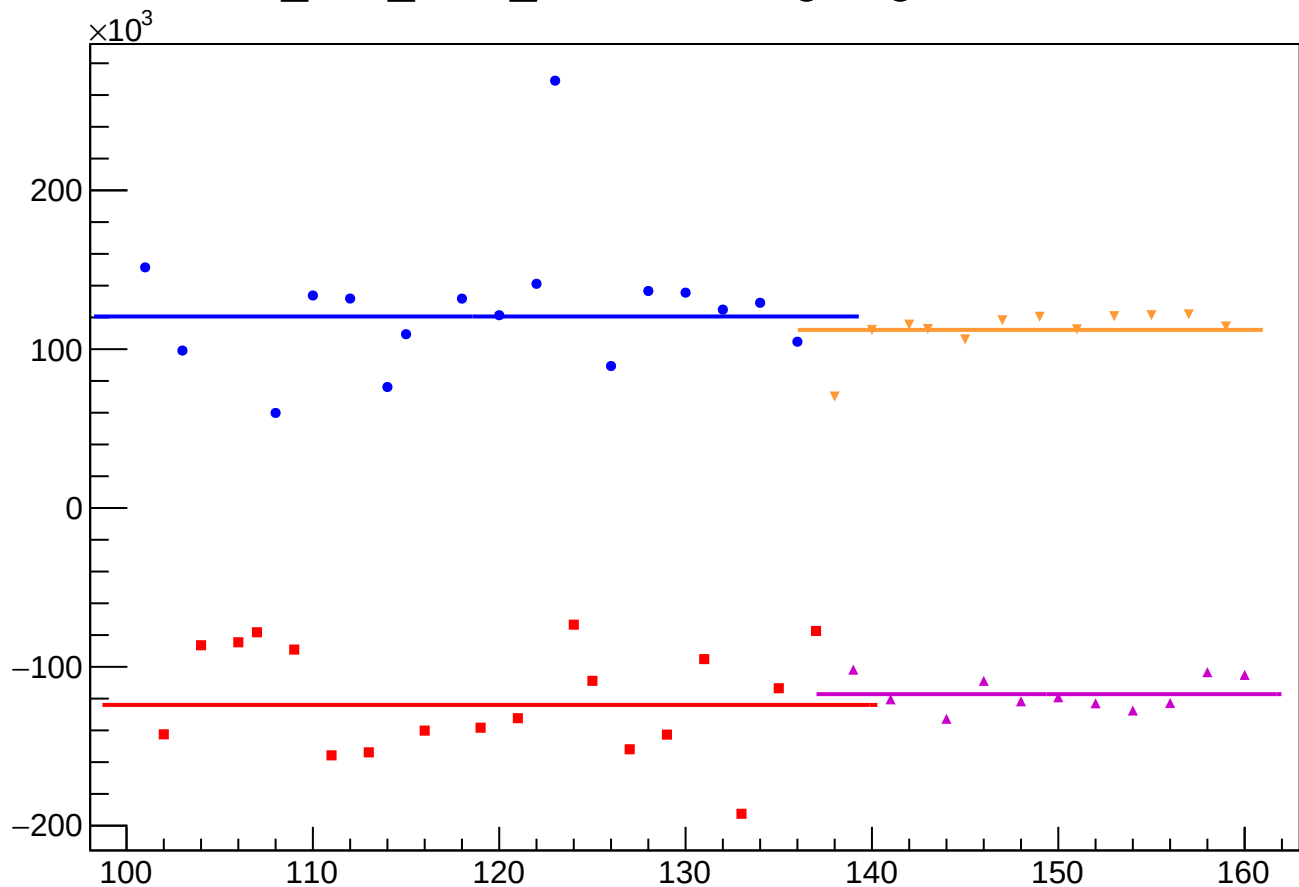
All: -88.255+/-0.000 χ^2/NDF : 562351898294

dit_atr1_coil7_Ndata_mean vs Slug, Sign Corrected



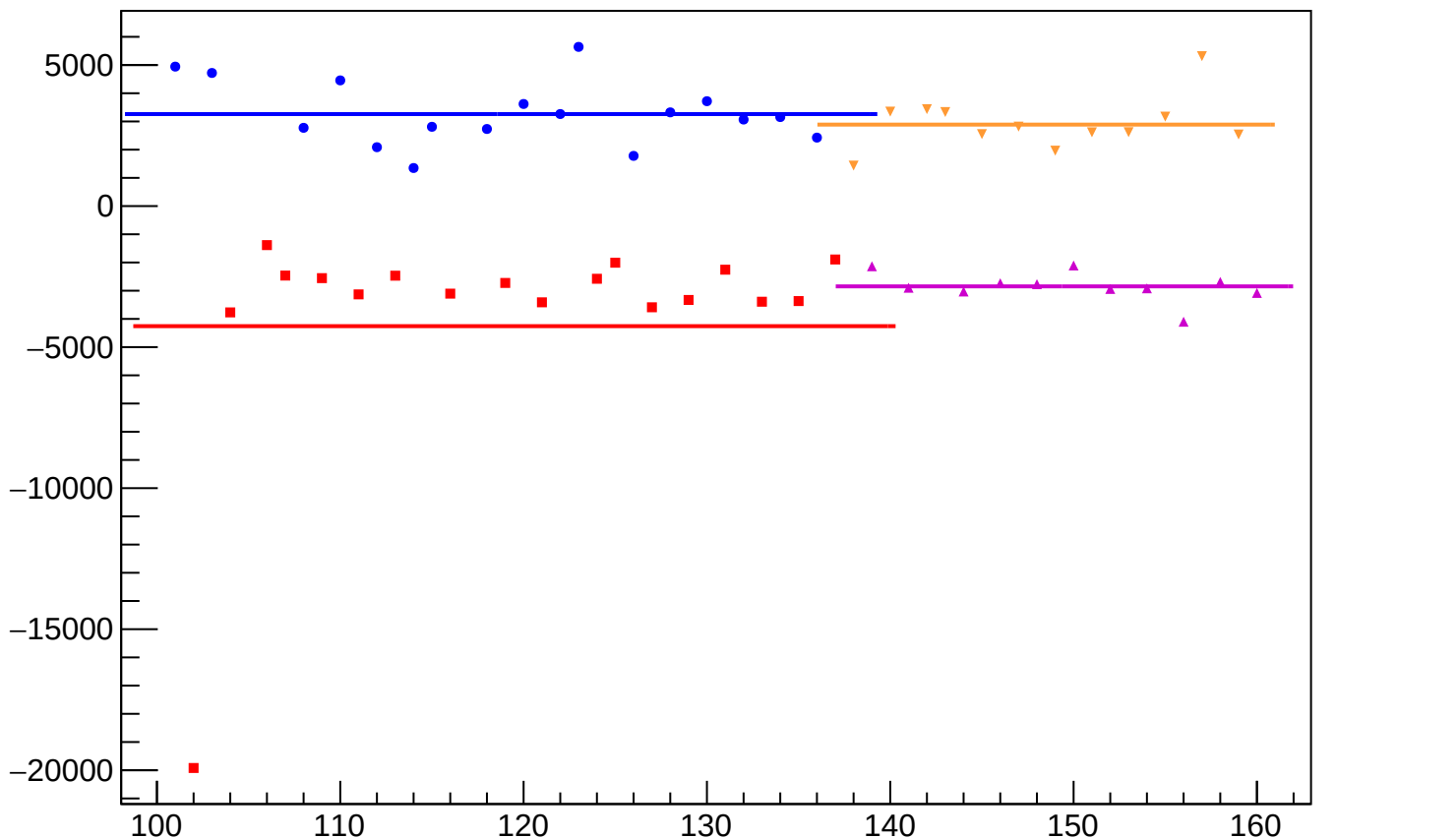
Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
		All: -16.040+/-0.000	χ^2/NDF : 414386874879

dit_atr2_coil7_mean vs Slug, Sign Corrected



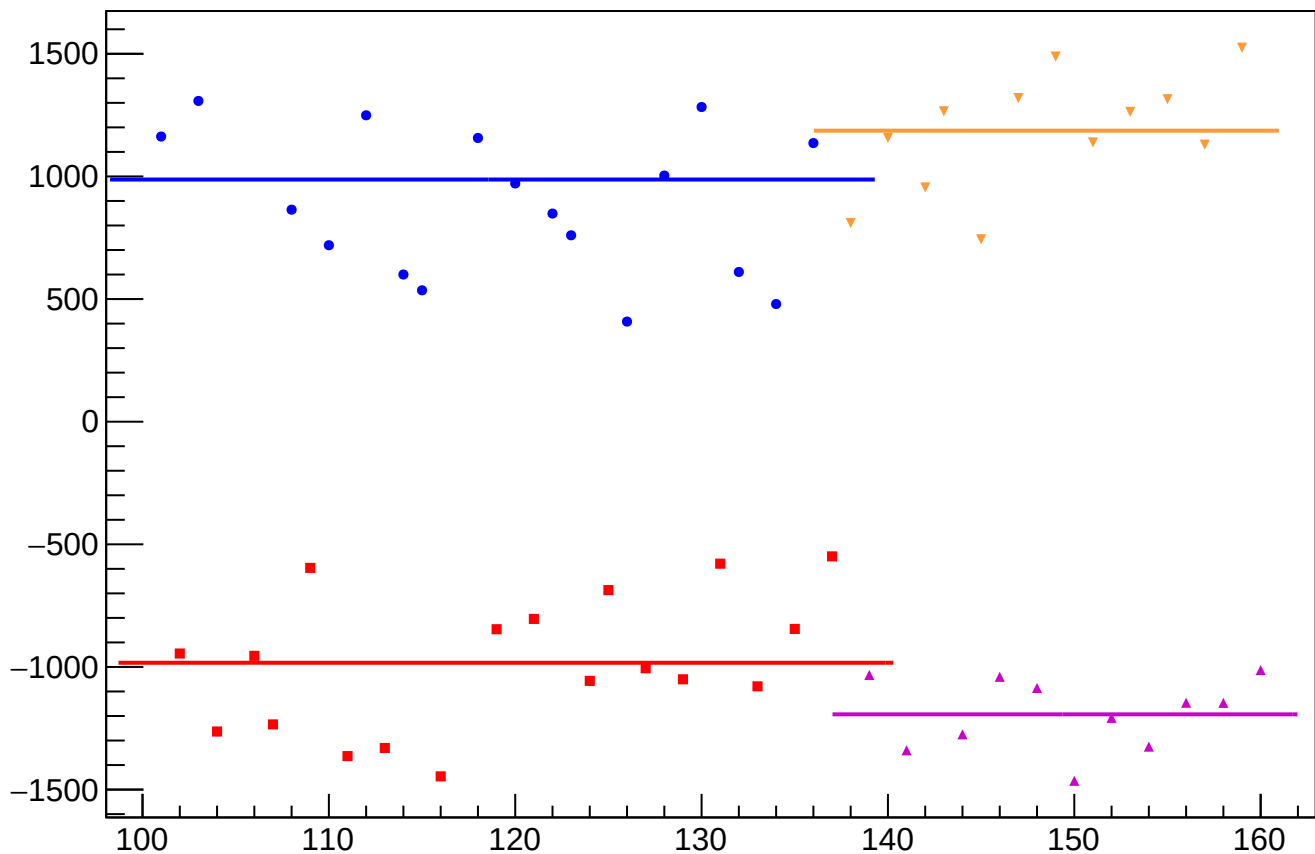
Left: -4015.080+/-0.000 χ^2/NDF : 24476989931131
 Right: -3514.396+/-0.000 χ^2/NDF : 2228135518347
 Right In: 120586.708+/-0.000 χ^2/NDF : 463702909226593065118055925390873188106240.0/16
 Left Out: 112145.166+/-0.000 χ^2/NDF : 169803943899249833628115478004203597594624.0/11
 Right Out: -123970.573+/-0.000 χ^2/NDF : 754871099831913254311543250015602251661312.0/17
 Left In: -117187.281+/-0.000 χ^2/NDF : 92050085463575690364904587071982548287488.0/10
 In: -15764.325+/-0.000 χ^2/NDF : 23055739050146
 Out: 8190.269+/-0.000 χ^2/NDF : 232364322975440
 All: -3798.081+/-0.000 χ^2/NDF : 4675854524

dit_atr2_coil7_err_mean vs Slug, Sign Corrected



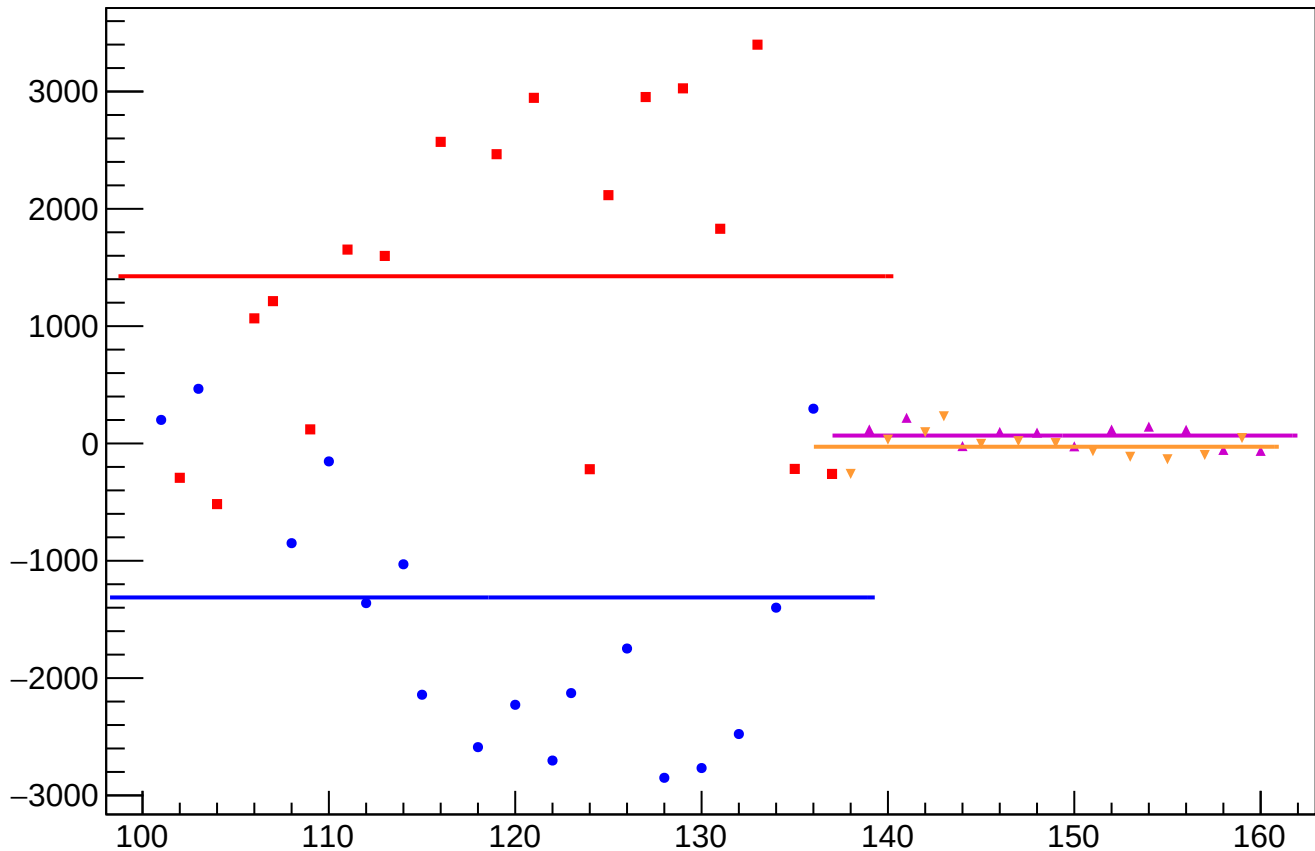
Right In: 3260.820+/-0.000 χ^2/NDF : 672456168638567614426723356415113560064.0/16
 Left Out: 2888.367+/-0.000 χ^2/NDF : 753668821958591987367767496119843553280.0/11
 Right Out: -4256.861+/-0.000 χ^2/NDF : 15744364448860197338037677656678376407040.0/17
 Left In: -2846.533+/-0.000 χ^2/NDF : 228998195535204617287883903315551977472.0/10
 All: -249.442+/-0.000 χ^2/NDF : 52676234483

dit_atr2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
		All: -16.040+/-0.000	χ^2/NDF : 414386874879

dit_sam1_coil7_mean vs Slug, Sign Corrected



Right In: -1312.539+/-0.000

χ^2/NDF : 1111791822009253468495433607153226612736.0/16

Left Out: -27.898+/-0.000

χ^2/NDF : 12443192627710109481350397021099393024.0/11

Right Out: 1425.319+/-0.000

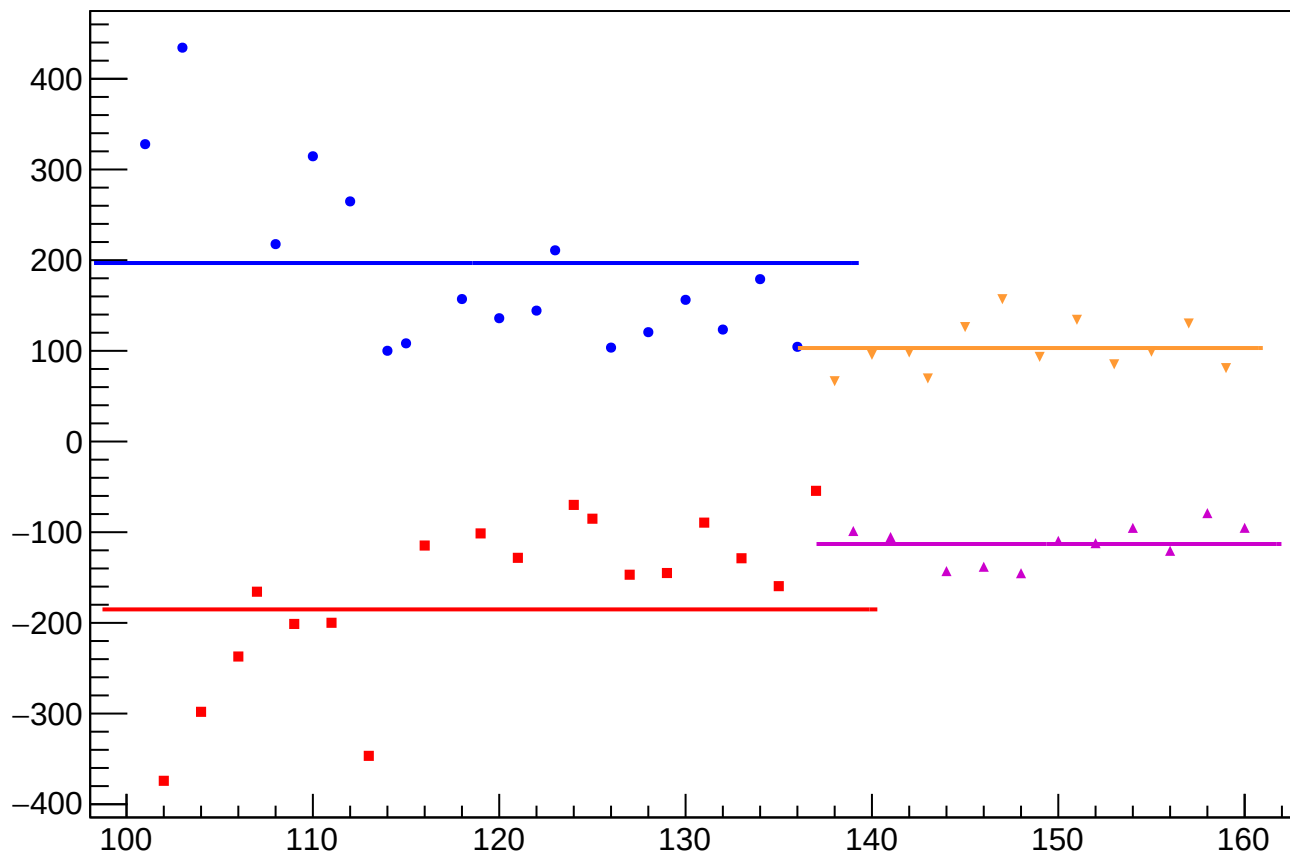
χ^2/NDF : 1259772432394270570555753847649915109376.0/17

Left In: 67.340+/-0.000

χ^2/NDF : 7344542288743460655103542950920978432.0/10

All: 44.808+/-0.000 χ^2/NDF : 5037903368261

dit_sam1_coil7_err_mean vs Slug, Sign Corrected



Right In: 196.858+/-0.000

χ^2/NDF : 7337666778319090402870822115647422464.0/16

Left Out: 103.111+/-0.000

χ^2/NDF : 658393761495499558426534507754553344.0/11

Right Out: -185.135+/-0.000

χ^2/NDF : 6160706554997434160213032977968398336.0/17

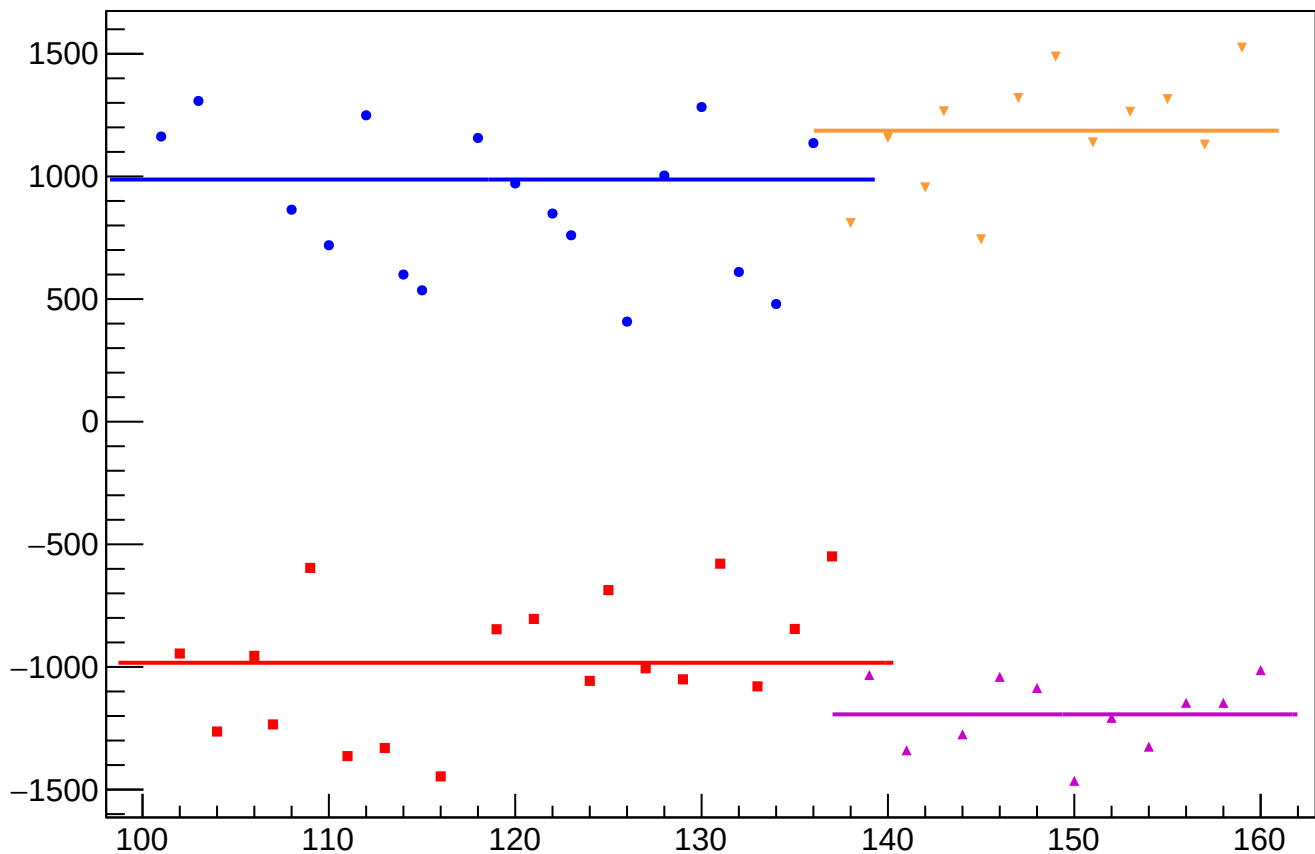
Left In: -113.009+/-0.000

χ^2/NDF : 394825243882053718517351386298974208.0/10

All: -2.295+/-0.000

χ^2/NDF : 8751541614442

dit_sam1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388 +/- 0.000

χ^2/NDF : 52571386835815299758771040245189181440.0/16

Left Out: 1186.594 +/- 0.000

χ^2/NDF : 49763362019555548841298308984106647552.0/11

Right Out: -982.831 +/- 0.000

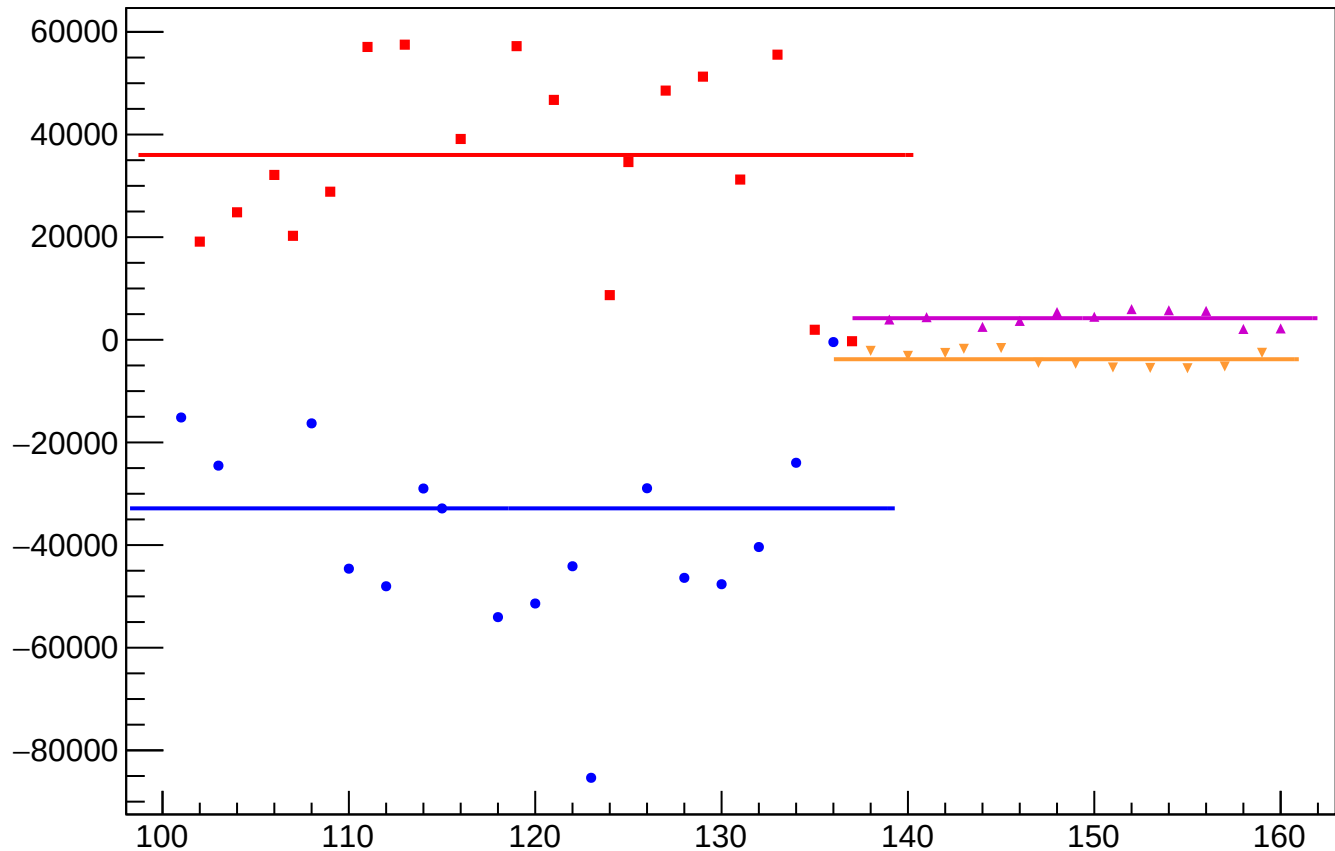
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230 +/- 0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

All: -16.040 +/- 0.000 χ^2/NDF : 414386874879

dit_sam2_coil7_mean vs Slug, Sign Corrected



Right In: -32846.038+/-0.000

χ^2/NDF : 219637368732777746312600570455176987541504.0/16

Left: 264.500+/-0.000

χ^2/NDF : 3320507875452057

Left Out: -3785.473+/-0.000

χ^2/NDF : 2024140029118734707580792113032155103232.0/11

Right: 2099.121+/-0.000

χ^2/NDF : 21185895144652

Right Out: 36017.918+/-0.000

χ^2/NDF : 228867649175680979480074989628486510968832.0/17

In: -11596.157+/-0.000

χ^2/NDF : 76786767072050

Left In: 4210.293+/-0.000

χ^2/NDF : 1745128048653719102038328653644061212672.0/10

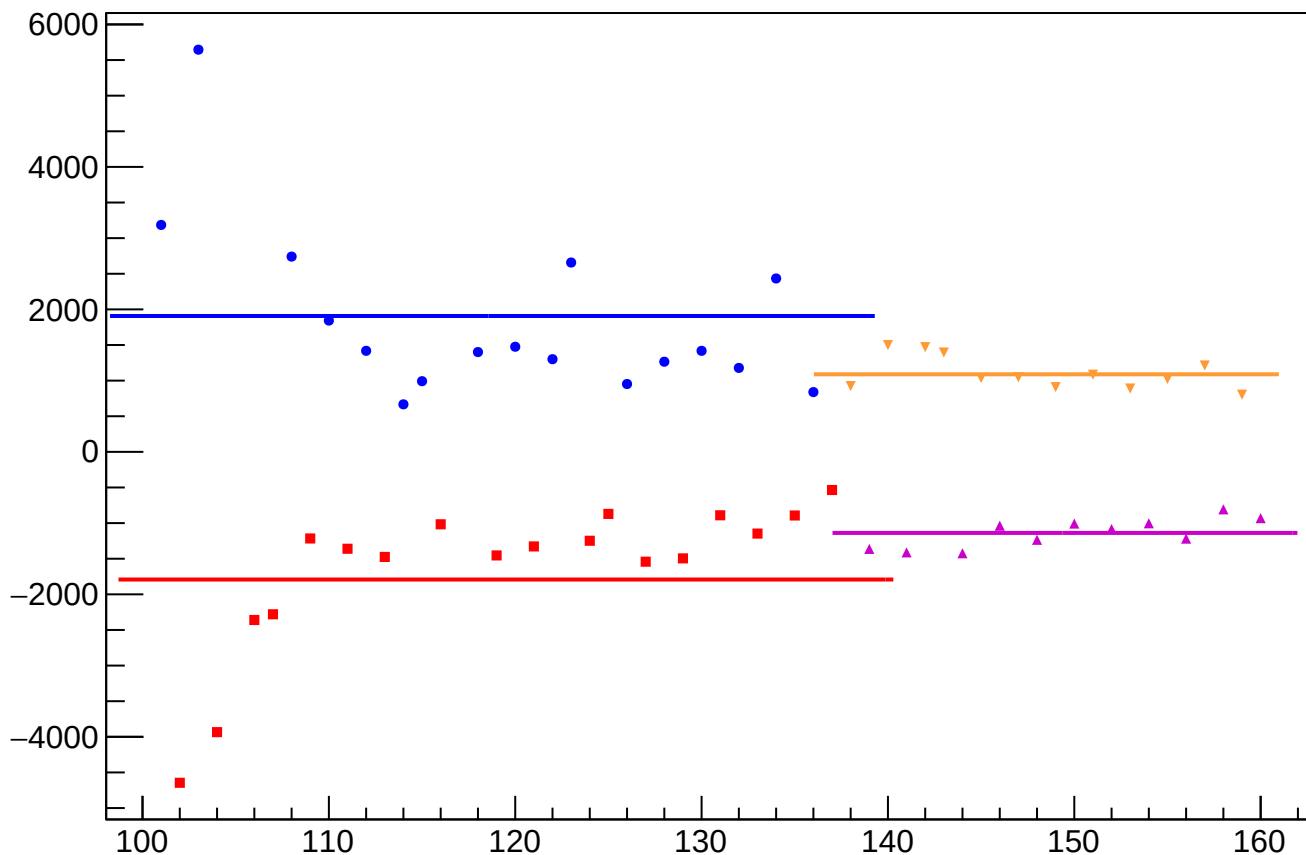
Out: 13738.803+/-0.000

χ^2/NDF : 86494254988186

All: 1059.634+/-0.000

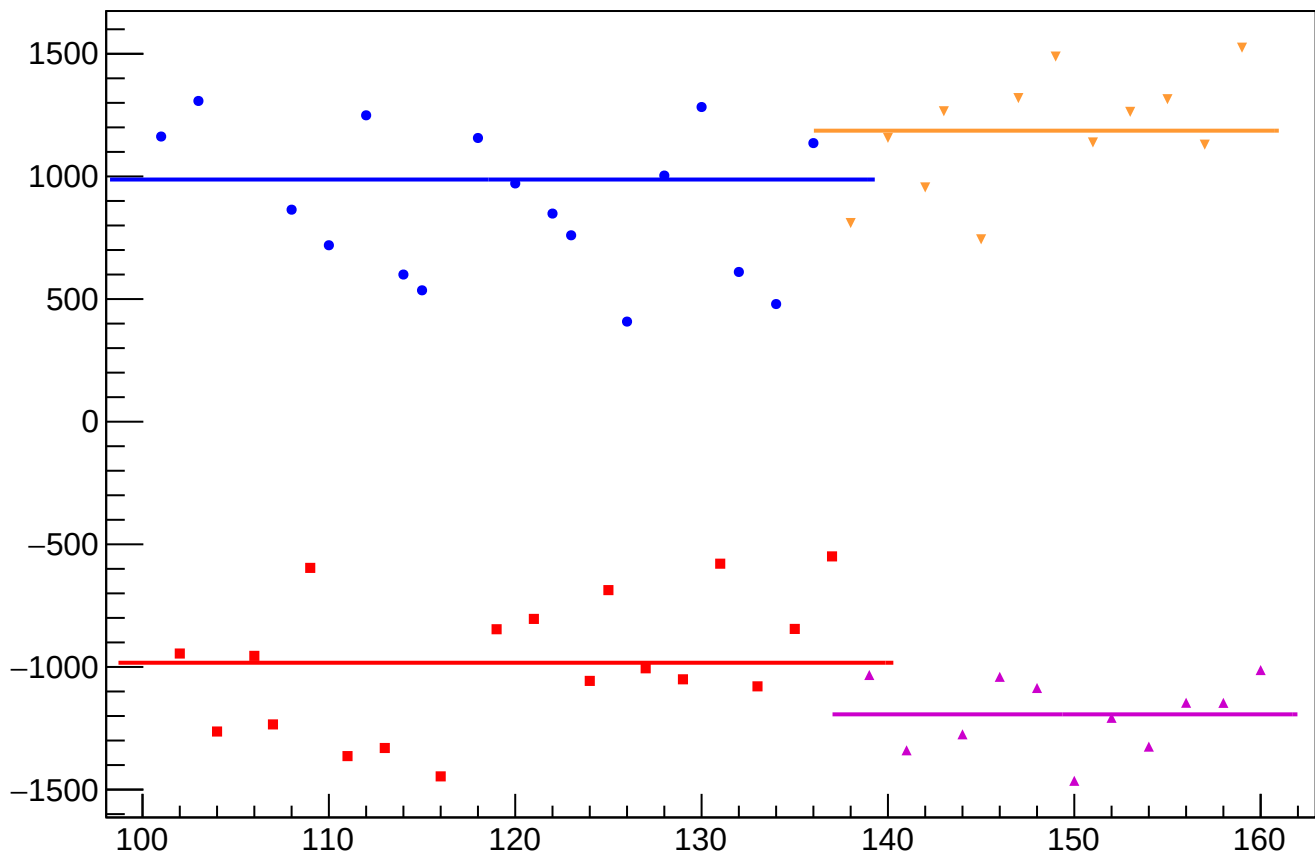
χ^2/NDF : 21544816464

dit_sam2_coil7_err_mean vs Slug, Sign Corrected



Right In: 1907.271+/-0.000 χ^2/NDF : 1224904405299911350916968067746563620864.0/16
 Left Out: 1088.725+/-0.000 χ^2/NDF : 43426775502308875672481877774003339264.0/11
 Right Out: -1791.825+/-0.000 χ^2/NDF : 941640864566938486349149292441762791424.0/17
 Left In: -1137.882+/-0.000 χ^2/NDF : 35720611822327029625984911153333010432.0/10
 All: -9.075+/-0.000 χ^2/NDF : 9351066606188

dit_sam2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000

χ^2/NDF : 52571386835815299758771040245189181440.0/16

Left: -18.822+/-0.000 χ^2/NDF : 2676111842139268

Right: -12.404+/-0.000 χ^2/NDF : 146772402174972

Left Out: 1186.594+/-0.000

χ^2/NDF : 49763362019555548841298308984106647552.0/11

In: 263.084+/-0.000 χ^2/NDF : 1963690344467940

Right Out: -982.831+/-0.000

χ^2/NDF : 48106250951114292454819733992816771072.0/17

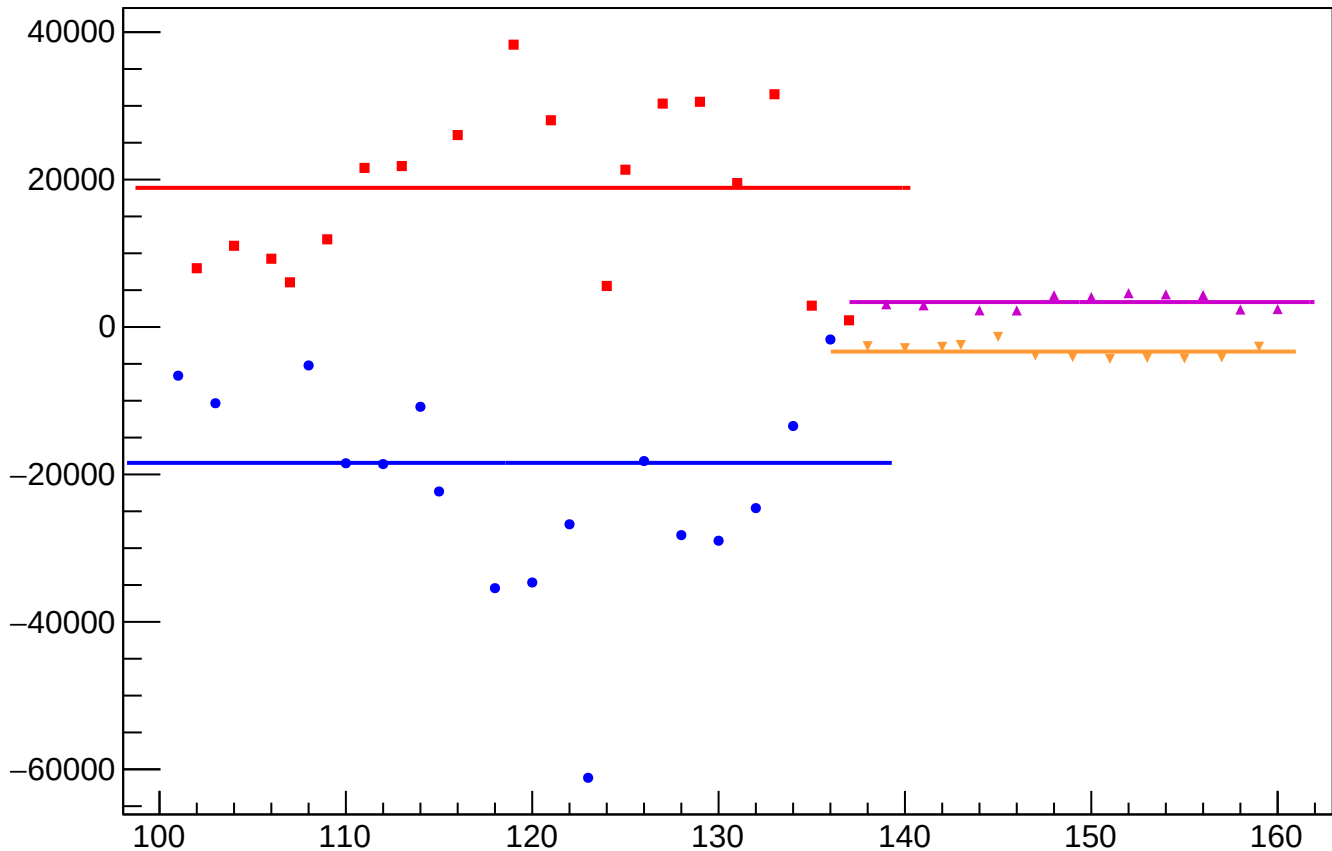
Out: 231.459+/-0.000 χ^2/NDF : 1981402088557405

Left In: -1193.230+/-0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

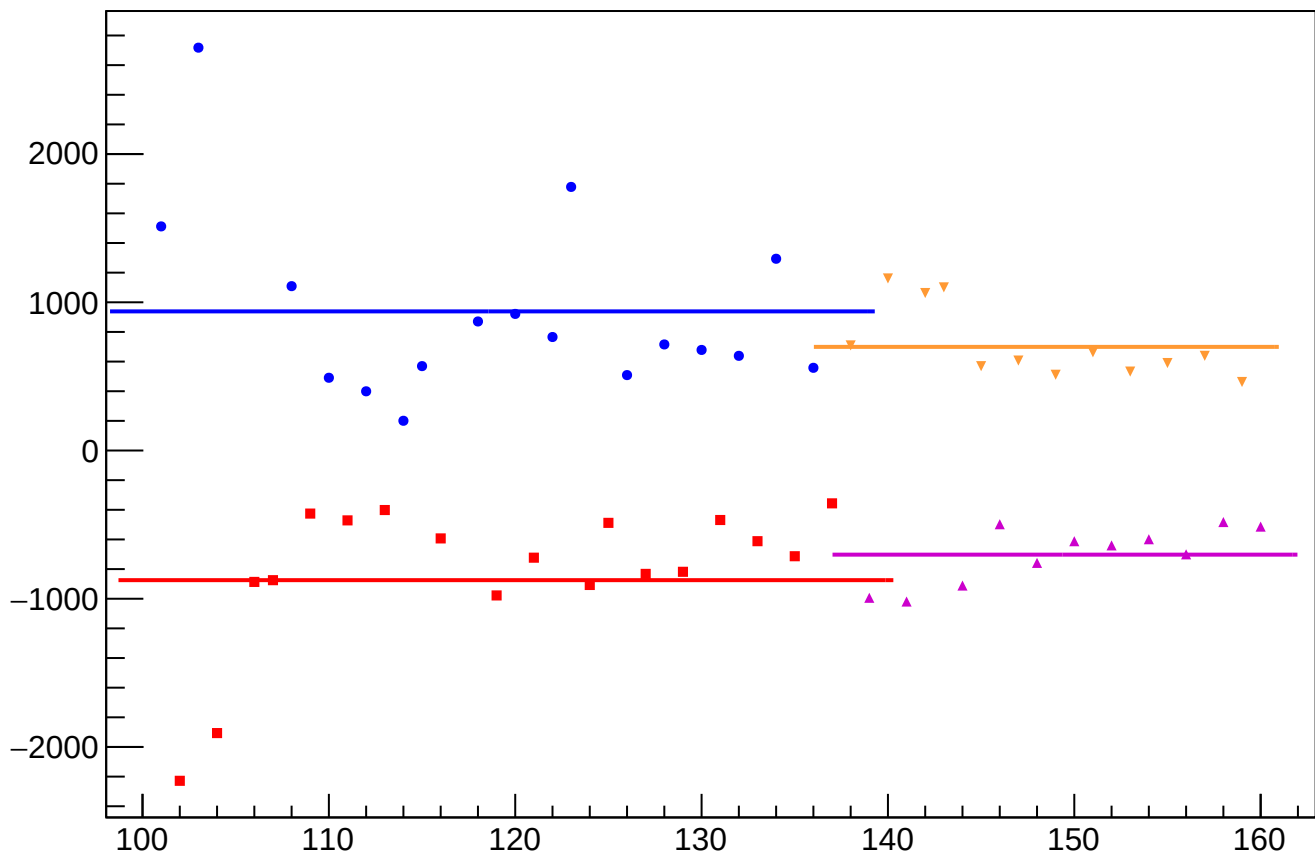
All: -16.040+/-0.000 χ^2/NDF : 414386874879

dit_sam3_coil7_mean vs Slug, Sign Corrected



Right In: -18428.768+/-0.000 χ^2/NDF : 91790167940984507561863911678204862005248.0/16
 Left Out: -3330.218+/-0.000 χ^2/NDF : 801638931401536809328175362972460253184.0/11
 Right Out: 18880.571+/-0.000 χ^2/NDF : 85627666736634579824962235279591398703104.0/17
 Left In: 3383.309+/-0.000 χ^2/NDF : 816279200160971630569460981745055694848.0/10
 All: 258.229+/-0.000 χ^2/NDF : 690156206365

dit_sam3_coil7_err_mean vs Slug, Sign Corrected



Right In: 938.658+/-0.000

χ^2/NDF : 274123287156186942430302567816841134080.0/16

Left: -10.814+/-0.000 χ^2/NDF : 9840586454746363

Right: 18.480+/-0.000 χ^2/NDF : 1644825947456125

Left Out: 699.181+/-0.000

χ^2/NDF : 47485076871287899089179265063714816000.0/11

In: -2.487+/-0.000 χ^2/NDF : 137800176451406889

Right Out: -874.671+/-0.000

χ^2/NDF : 212705560210060381413787152265269739520.0/17

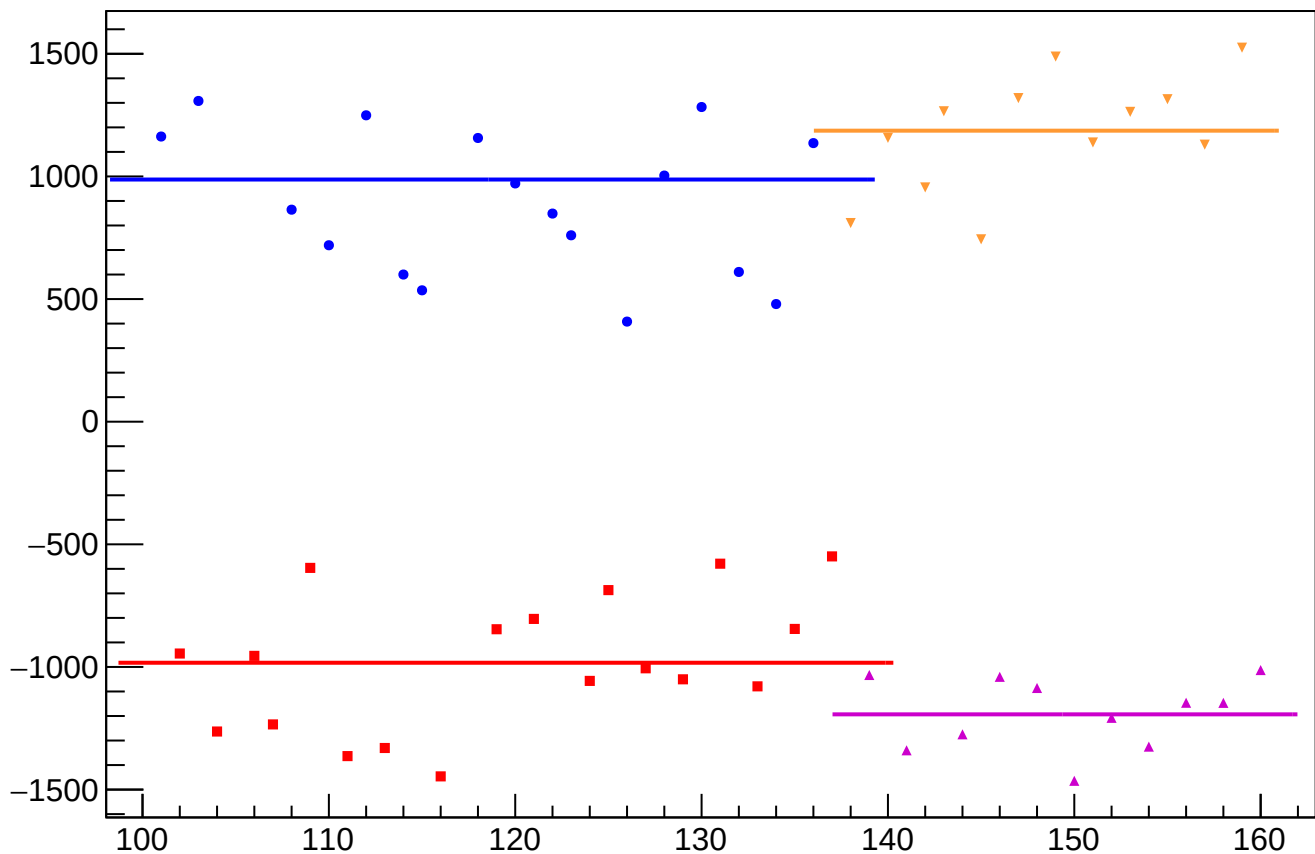
Out: 6.260+/-0.000 χ^2/NDF : 125150572862786669

Left In: -702.545+/-0.000

χ^2/NDF : 31919745309700759426030449402090356736.0/10

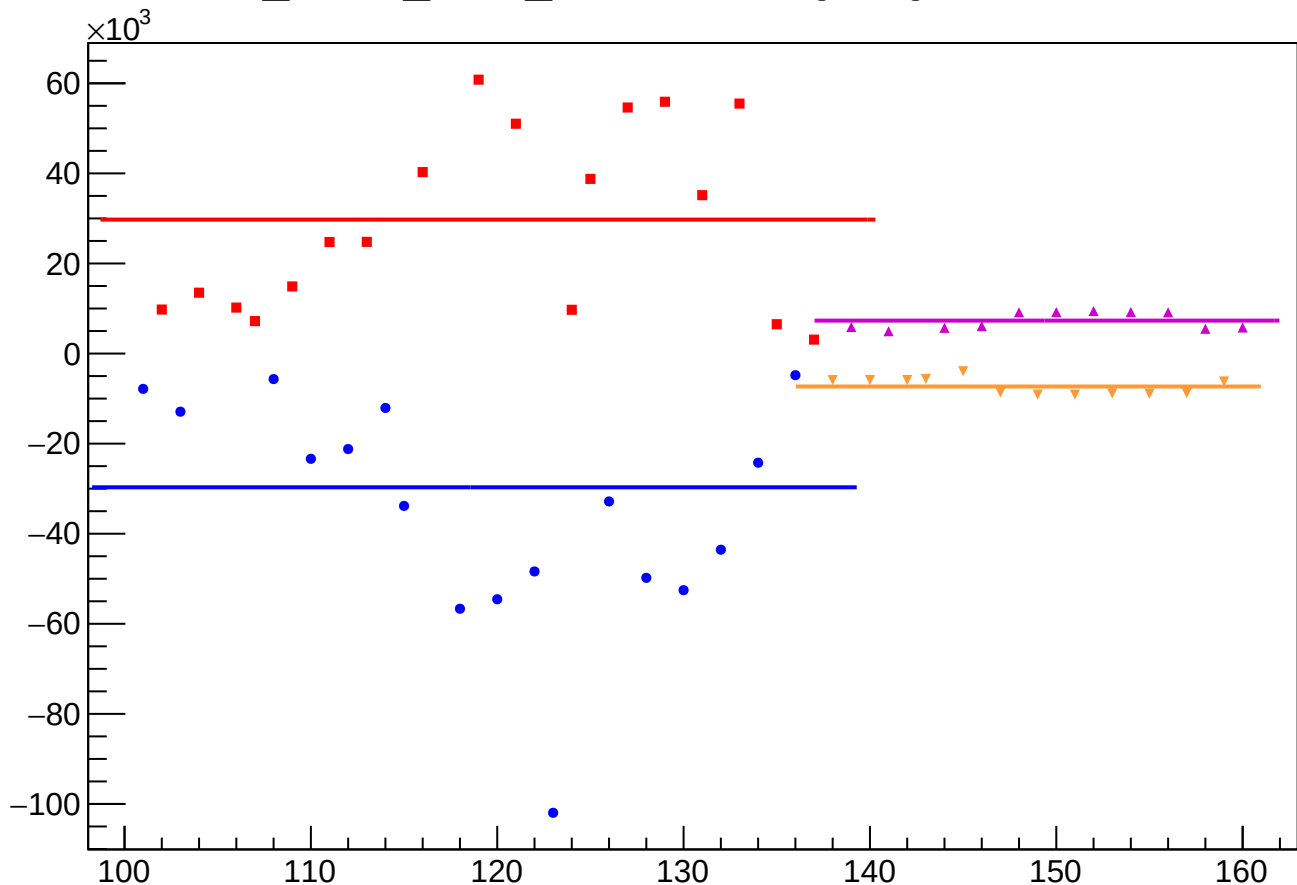
All: 1.882+/-0.000 χ^2/NDF : 2629569674694

dit_sam3_coil7_Ndata_mean vs Slug, Sign Corrected



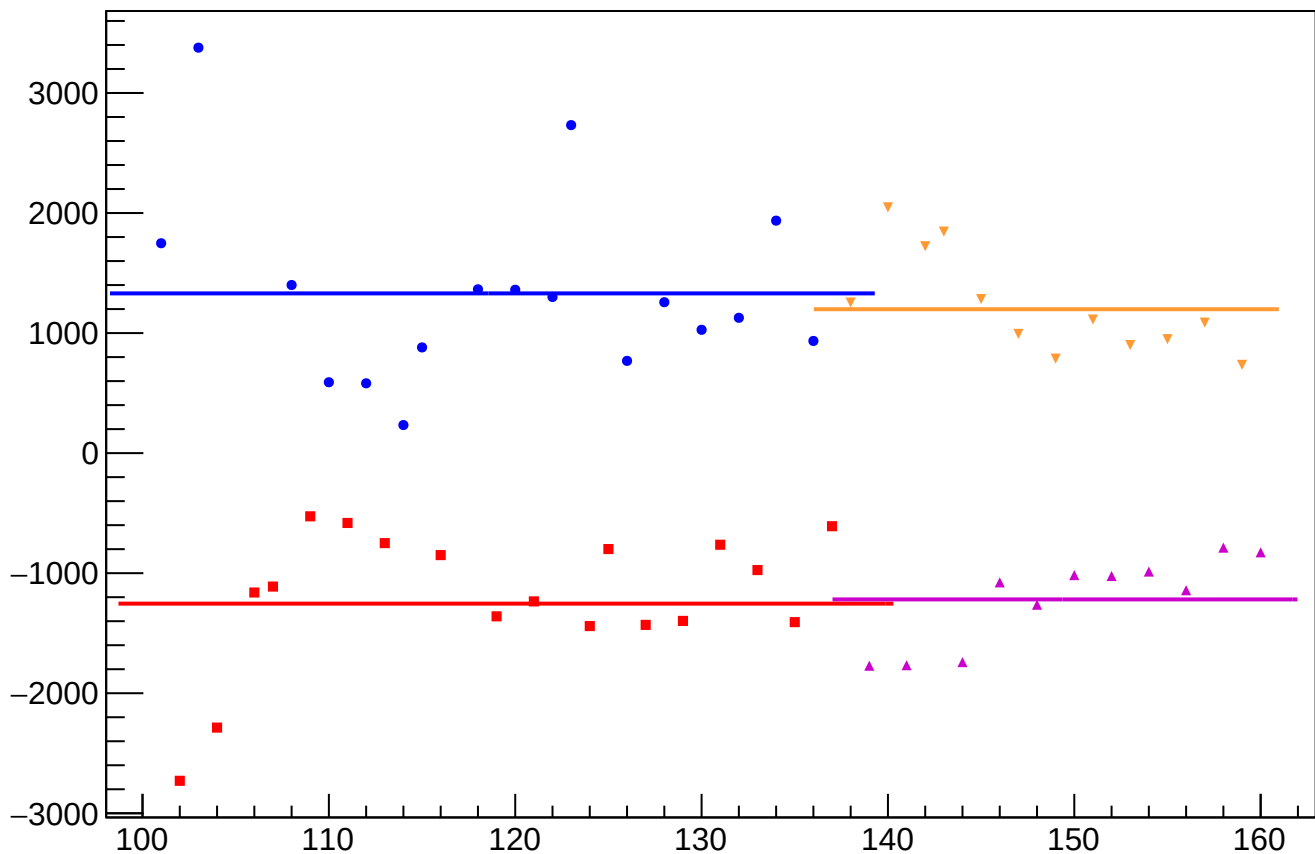
Right In: 987.388+/-0.000 χ^2/NDF : 52571386835815299758771040245189181440.0/16
 Left Out: 1186.594+/-0.000 χ^2/NDF : 49763362019555548841298308984106647552.0/11
 Right Out: -982.831+/-0.000 χ^2/NDF : 48106250951114292454819733992816771072.0/17
 Left In: -1193.230+/-0.000 χ^2/NDF : 18719715189237327364686937904868491264.0/10
 All: -16.040+/-0.000 χ^2/NDF : 414386874879

dit_sam4_coil7_mean vs Slug, Sign Corrected



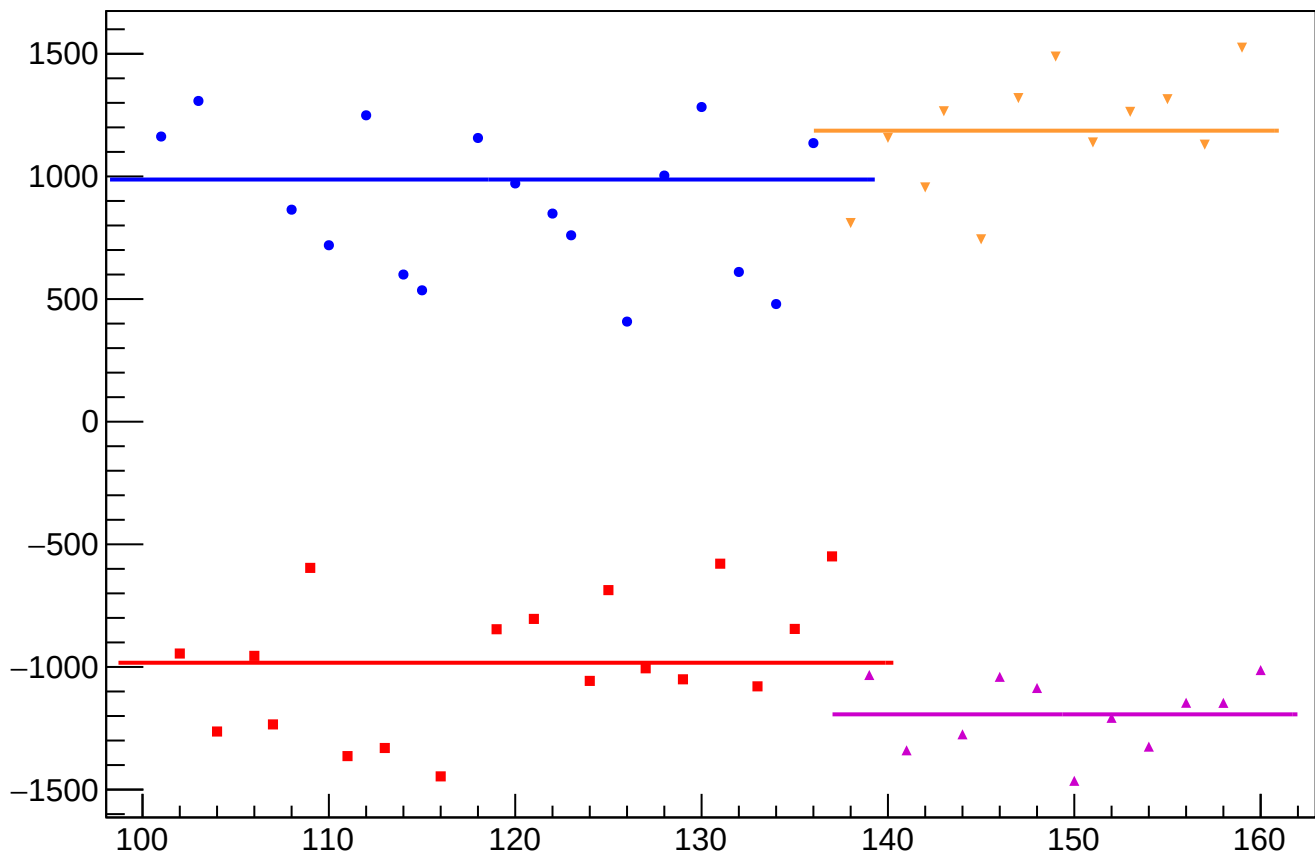
Left: 92.659 ± 0.000 $\chi^2/\text{NDF}: 10444842958829029$
 Right In: -29694.846 ± 0.000 $\chi^2/\text{NDF}: 282999478252028644685471433230520510578688.0/16$
 Right: 467.716 ± 0.000 $\chi^2/\text{NDF}: 181089789808864$
 Left Out: -7317.919 ± 0.000 $\chi^2/\text{NDF}: 2833730252125360195766219580881057611776.0/11$
 In: -8472.992 ± 0.000 $\chi^2/\text{NDF}: 831104398291345$
 Right Out: 29744.384 ± 0.000 $\chi^2/\text{NDF}: 283667805670372144788905534129497910018048.0/17$
 Out: 8999.536 ± 0.000 $\chi^2/\text{NDF}: 836230618033201$
 Left In: 7312.611 ± 0.000 $\chi^2/\text{NDF}: 3060303804070457713816420667232681459712.0/10$
 All: 255.210 ± 0.000 $\chi^2/\text{NDF}: 191545862718$

dit_sam4_coil7_err_mean vs Slug, Sign Corrected



Right In: 1330.668+/-0.000 χ^2/NDF : 371034150705348959312326123153556242432.0/16
 Left Out: 1198.833+/-0.000 χ^2/NDF : 149280196072306589418447697644691128320.0/11
 Right Out: -1253.657+/-0.000 χ^2/NDF : 276351047411985398179849131600767877120.0/17
 Left In: -1218.551+/-0.000 χ^2/NDF : 116488756058911306830868466308868997120.0/10
 All: -6.167+/-0.000 χ^2/NDF : 5957409460373

dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388 +/- 0.000

χ^2/NDF : 52571386835815299758771040245189181440.0/16

Left Out: 1186.594 +/- 0.000

χ^2/NDF : 49763362019555548841298308984106647552.0/11

Right Out: -982.831 +/- 0.000

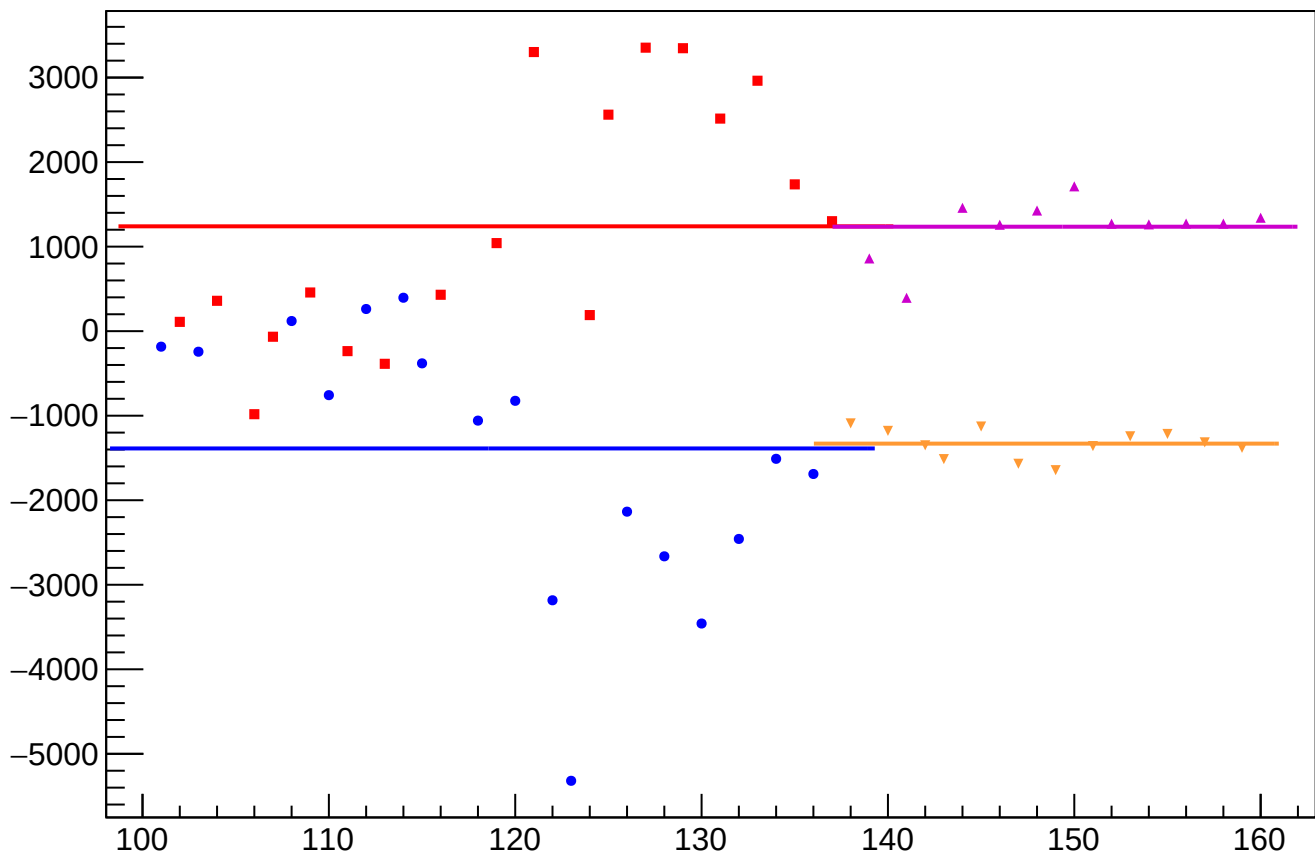
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230 +/- 0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

All: -16.040 +/- 0.000 χ^2/NDF : 414386874879

dit_sam5_coil7_mean vs Slug, Sign Corrected



Right In: -1387.447+/-0.000

Left Out: -1330.420+/-0.000

Right Out: 1240.179+/-0.000

Left In: 1235.621+/-0.000

χ^2/NDF : 1052649963447979198116034562243591929856.0/16

χ^2/NDF : 26483457480768378875041680320691699712.0/11

χ^2/NDF : 1416369744921748520391717301088168181760.0/17

χ^2/NDF : 101175024554514162187059760134266814464.0/10

Left: -30.683+/-0.000 χ^2/NDF : 3159337559694203

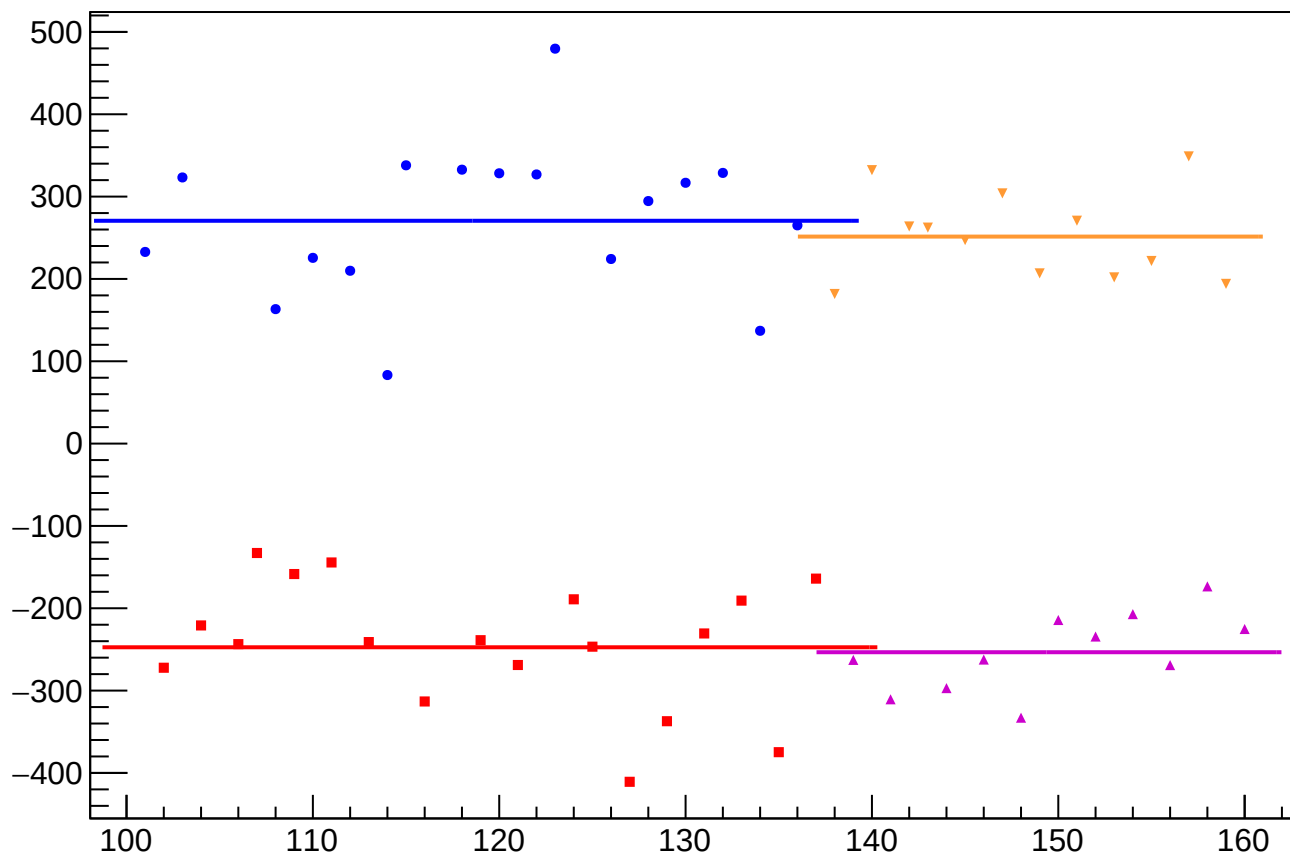
Right: -54.053+/-0.000 χ^2/NDF : 490056143046603

In: 116.746+/-0.000 χ^2/NDF : 38920726643597010

Out: -198.660+/-0.000 χ^2/NDF : 408740909485264

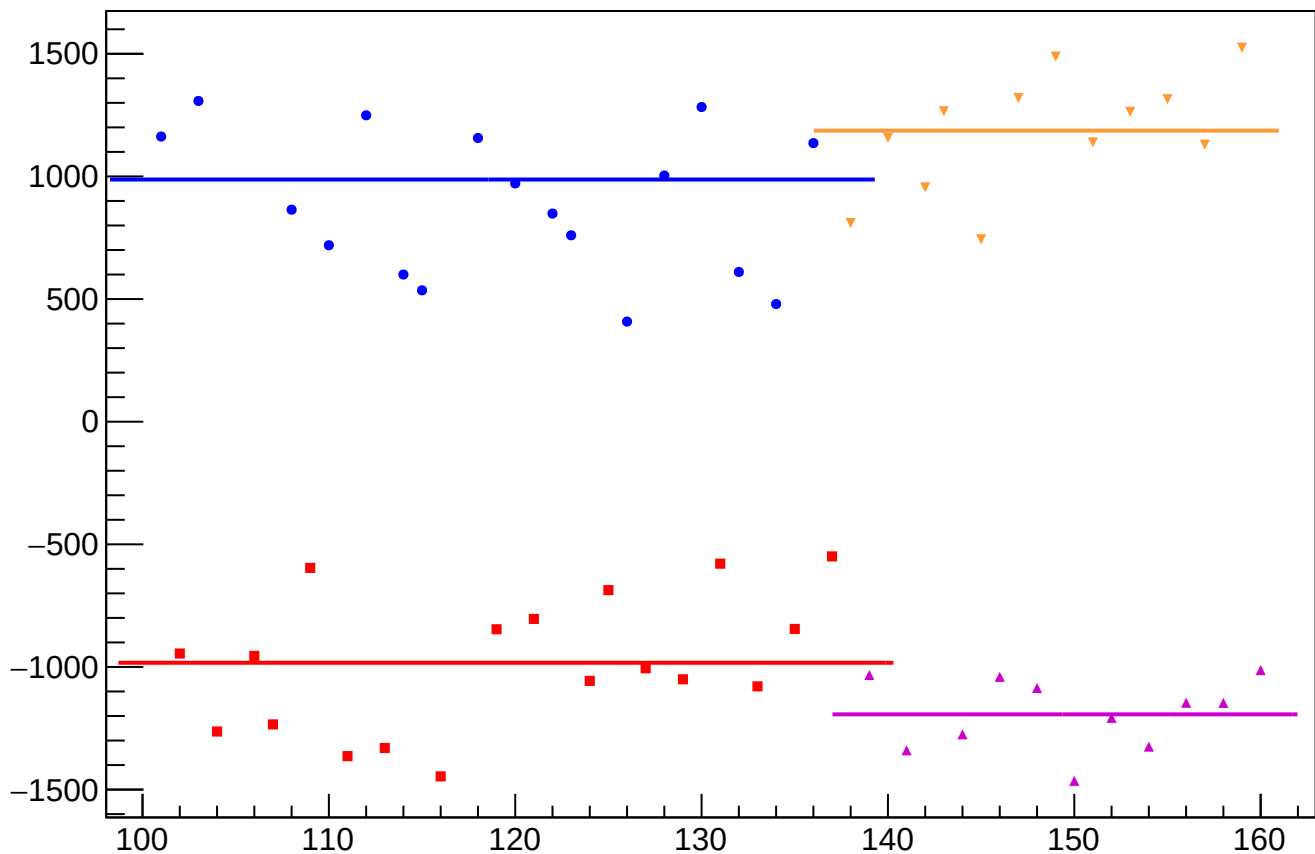
All: -40.811+/-0.000 χ^2/NDF : 806033500101

dit_sam5_coil7_err_mean vs Slug, Sign Corrected



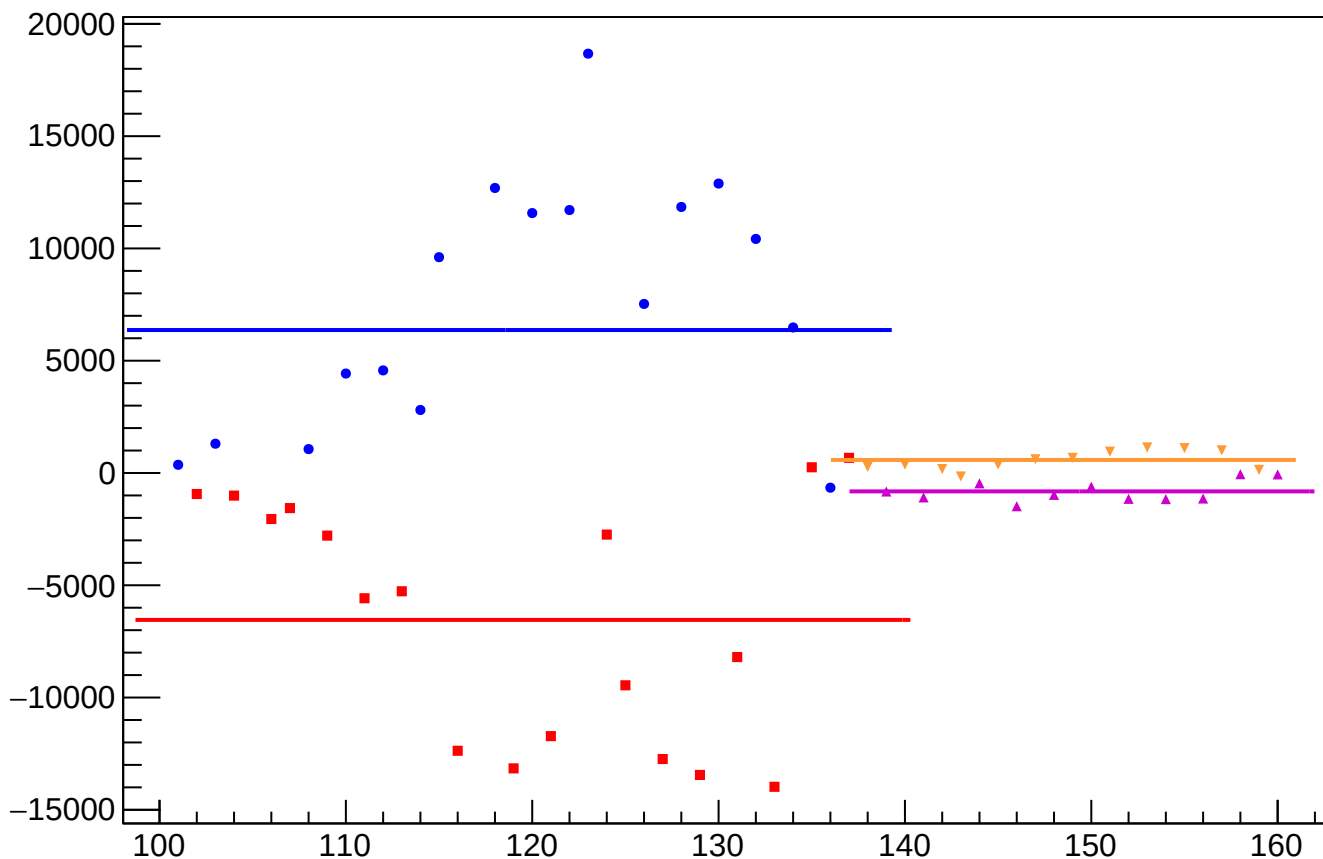
Left: -4.274+/-0.000 χ^2/NDF : 12188204109454759
 Right In: 270.634+/-0.000 χ^2/NDF : 2782961301444799640631413817001115648.0/16
 Right: 7.759+/-0.000 χ^2/NDF : 10143508305852927
 Left Out: 251.431+/-0.000 χ^2/NDF : 2584936508665838554891763249678647296.0/11
 In: -29.873+/-0.000 χ^2/NDF : 11402759697940028
 Right Out: -247.395+/-0.000 χ^2/NDF : 4145415912975495896207578940101885952.0/17
 Out: 31.812+/-0.000 χ^2/NDF : 10631259218301621
 Left In: -253.400+/-0.000 χ^2/NDF : 1956558228349454722124070225585373184.0/10
 All: 0.941+/-0.000 χ^2/NDF : 22343270830260

dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected



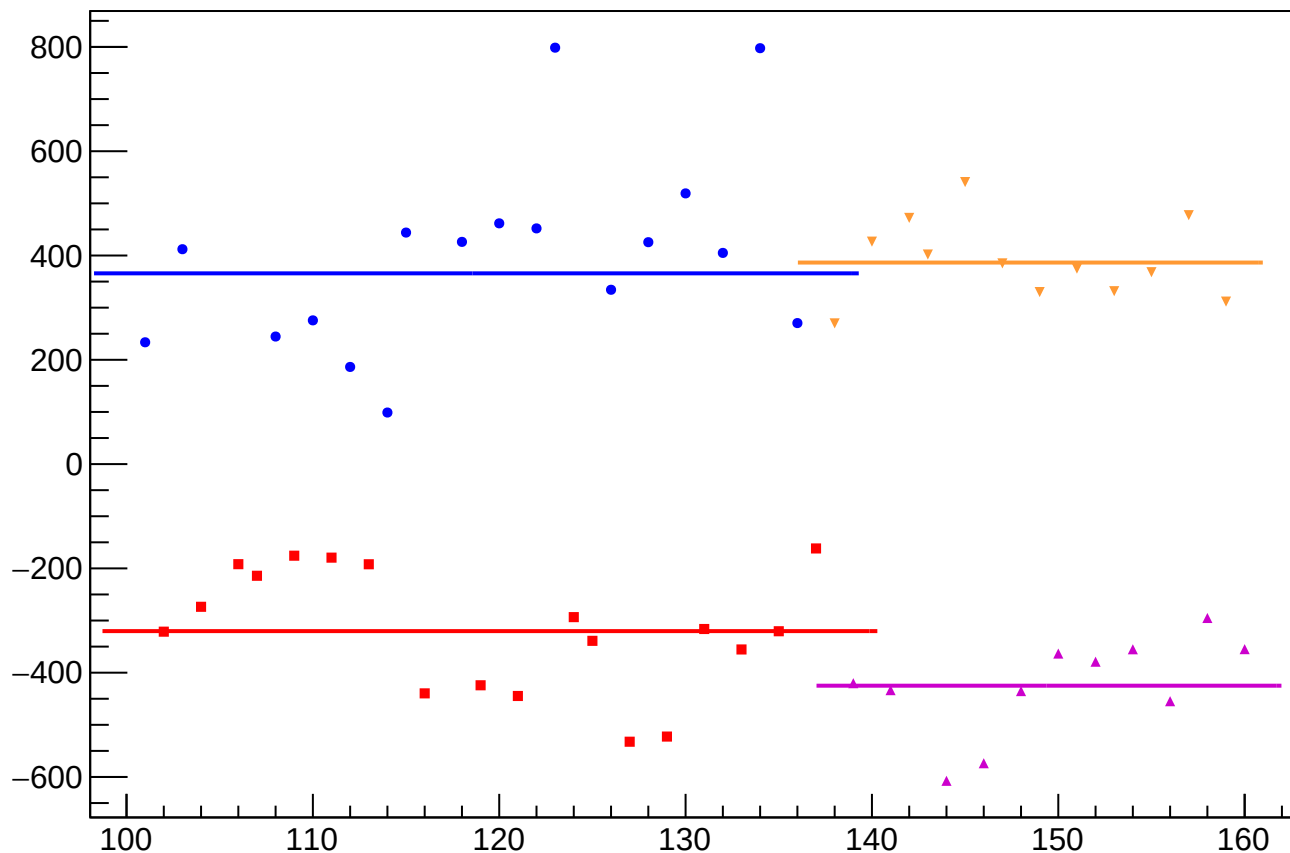
Right In: 987.388 ± 0.000 $\chi^2/\text{NDF}: 52571386835815299758771040245189181440.0/16$
 Left Out: 1186.594 ± 0.000 $\chi^2/\text{NDF}: 49763362019555548841298308984106647552.0/11$
 Right Out: -982.831 ± 0.000 $\chi^2/\text{NDF}: 48106250951114292454819733992816771072.0/17$
 Left In: -1193.230 ± 0.000 $\chi^2/\text{NDF}: 18719715189237327364686937904868491264.0/10$
 All: -16.040 ± 0.000 $\chi^2/\text{NDF}: 414386874879$

dit_sam6_coil7_mean vs Slug, Sign Corrected



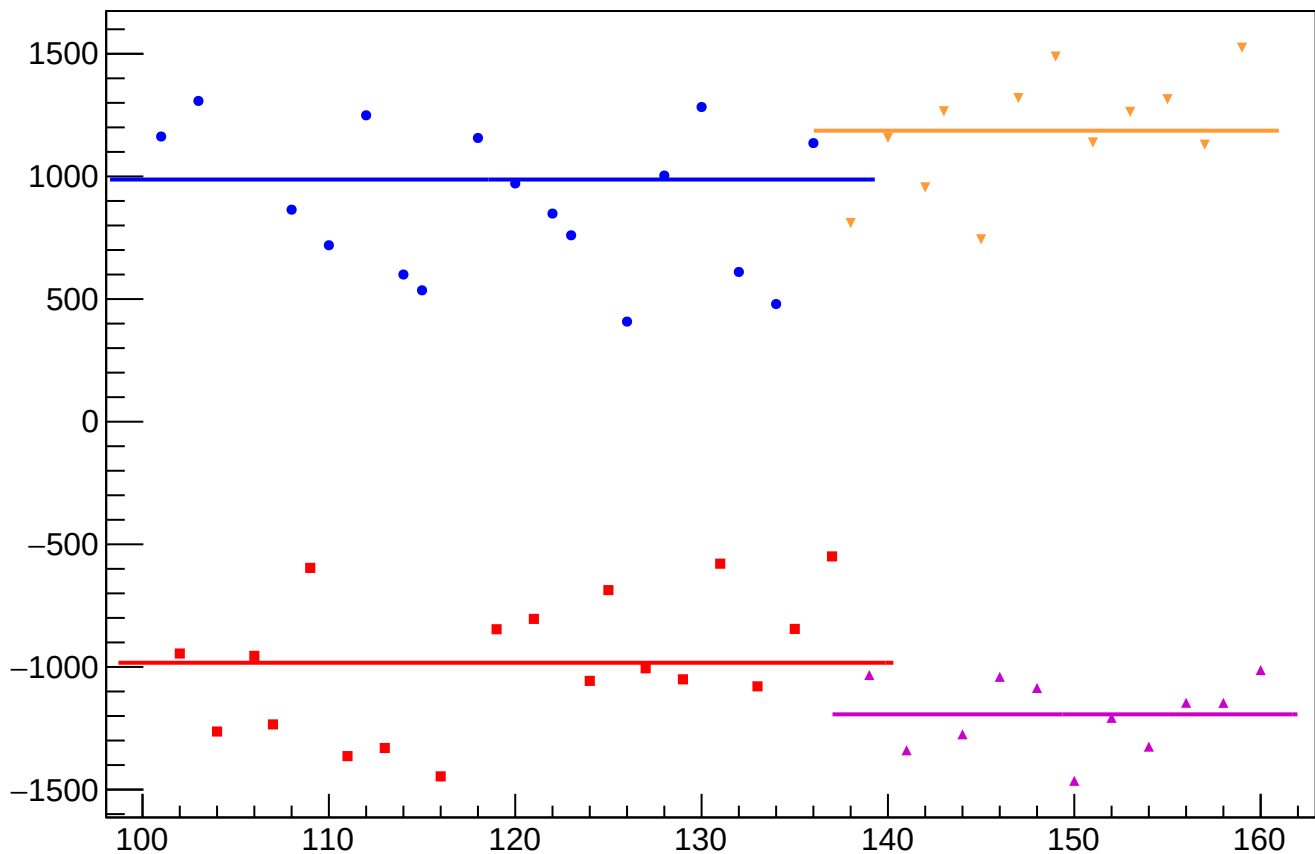
Left: -128.443+/-0.000 χ^2/NDF : 123207860803939
 Right In: 6366.506+/-0.000 χ^2/NDF : 19013791293174950781662205946475975802880.0/16
 Left Out: 580.460+/-0.000 χ^2/NDF : 147049020633782369498744411617383940096.0/11
 Right Out: -6542.482+/-0.000 χ^2/NDF : 19769956838076333850932350219813545574400.0/17
 Left In: -819.110+/-0.000 χ^2/NDF : 183157286760955615902217096477246750720.0/10
 All: -152.603+/-0.000 χ^2/NDF : 98704897358

dit_sam6_coil7_err_mean vs Slug, Sign Corrected



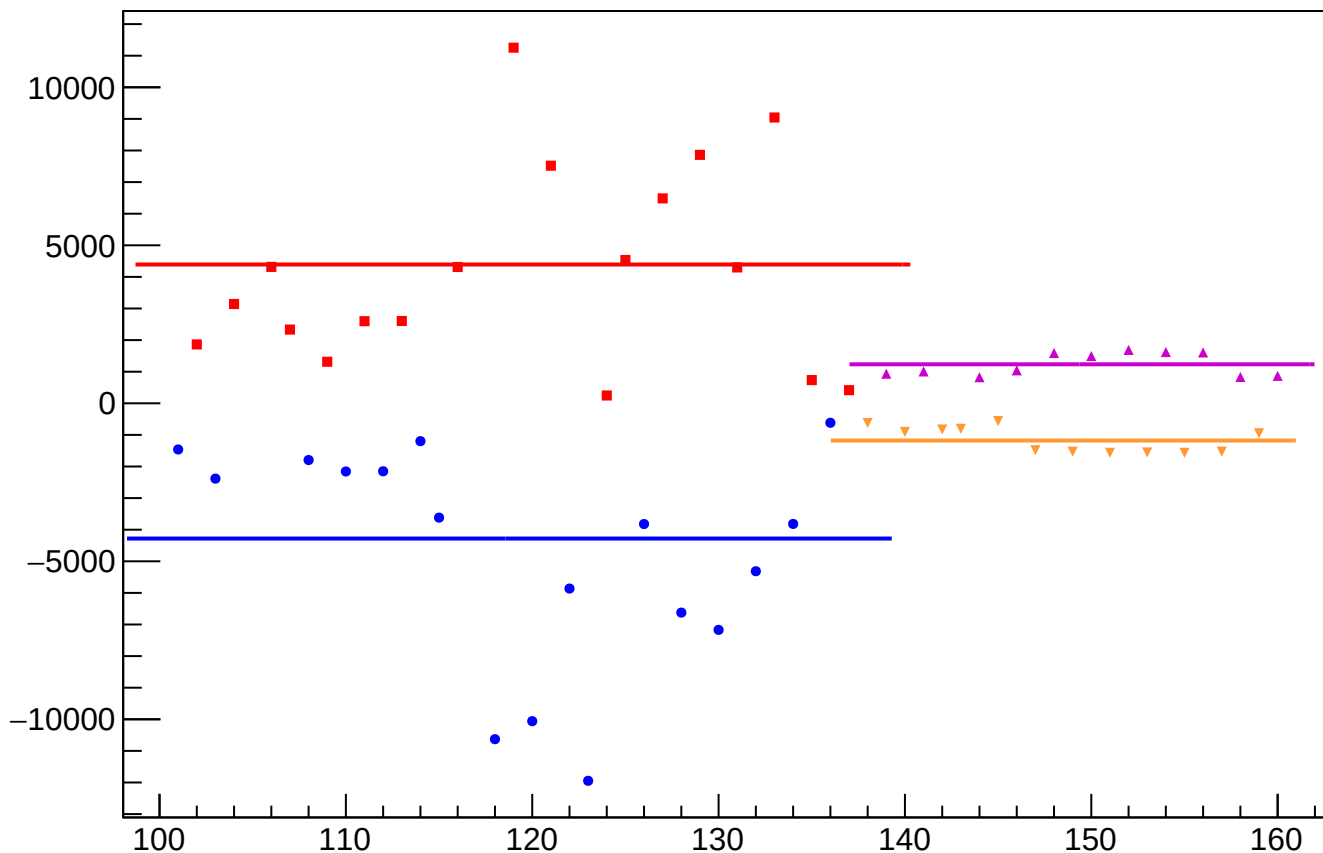
Right In: 365.806 $\pm$ 0.000 χ^2 /NDF: 12360453443474503357525500563004850176.0/16
 Left Out: 386.511 $\pm$ 0.000 χ^2 /NDF: 5027608774007269972306139885841940480.0/11
 Right Out: -320.284 $\pm$ 0.000 χ^2 /NDF: 9463966273350706118112483440542613504.0/17
 Left In: -424.949 $\pm$ 0.000 χ^2 /NDF: 7621452352927450037498346719559024640.0/10
 All: -6.236 $\pm$ 0.000 χ^2 /NDF: 5048392112381

dit_sam6_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388 ± 0.000 $\chi^2/\text{NDF}: 52571386835815299758771040245189181440.0/16$
 Left Out: 1186.594 ± 0.000 $\chi^2/\text{NDF}: 49763362019555548841298308984106647552.0/11$
 Right Out: -982.831 ± 0.000 $\chi^2/\text{NDF}: 48106250951114292454819733992816771072.0/17$
 Left In: -1193.230 ± 0.000 $\chi^2/\text{NDF}: 18719715189237327364686937904868491264.0/10$
 All: -16.040 ± 0.000 $\chi^2/\text{NDF}: 414386874879$

dit_sam7_coil7_mean vs Slug, Sign Corrected



Right In: -4279.824 +/- 0.000

Left Out: -1178.229 +/- 0.000

Right Out: 4391.806 +/- 0.000

Left In: 1234.217 +/- 0.000

χ^2/NDF : 6998436131465727751461675089449726246912.0/16

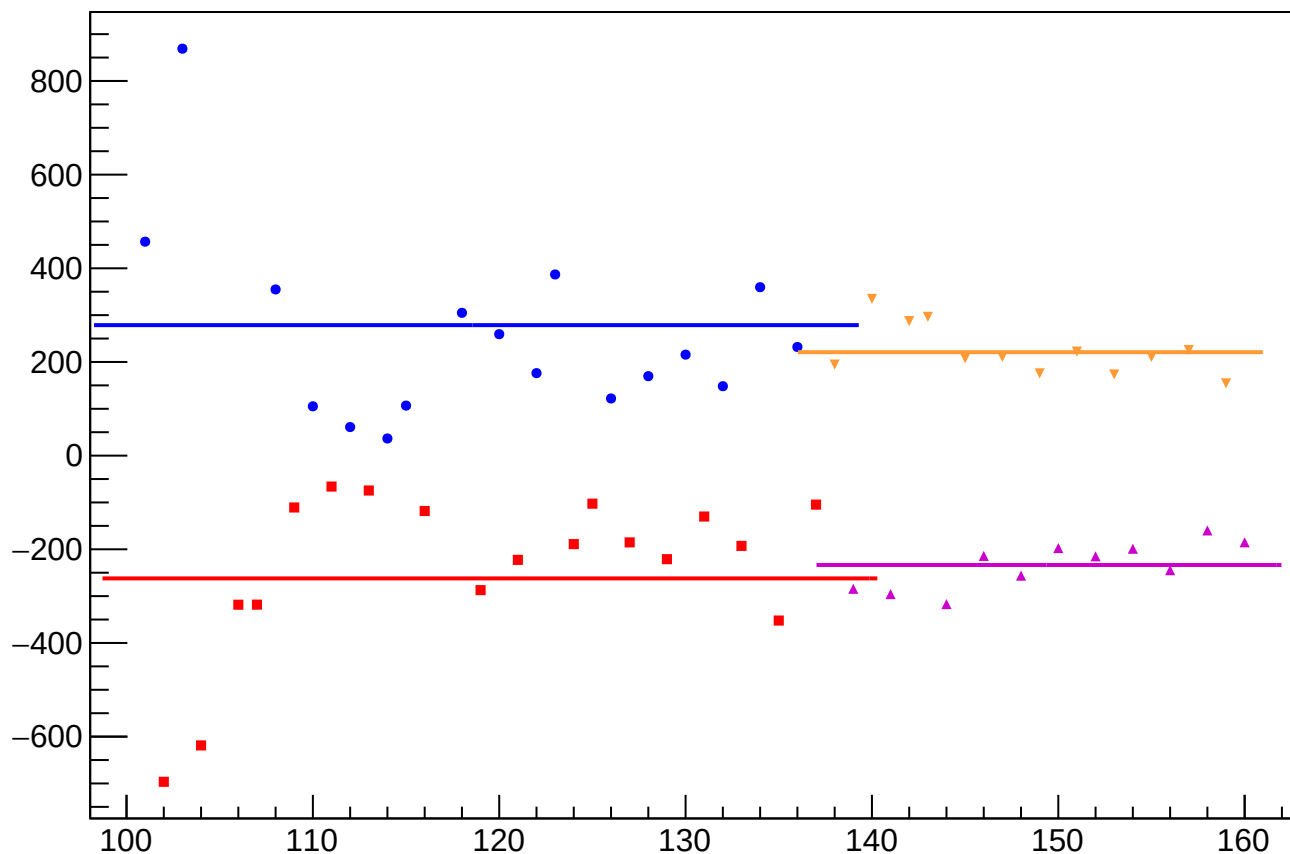
χ^2/NDF : 141473895084928360538242951996197830656.0/11

χ^2/NDF : 7013803733920665719163942153165454966784.0/17

χ^2/NDF : 113222953765781340341469389402247528448.0/10

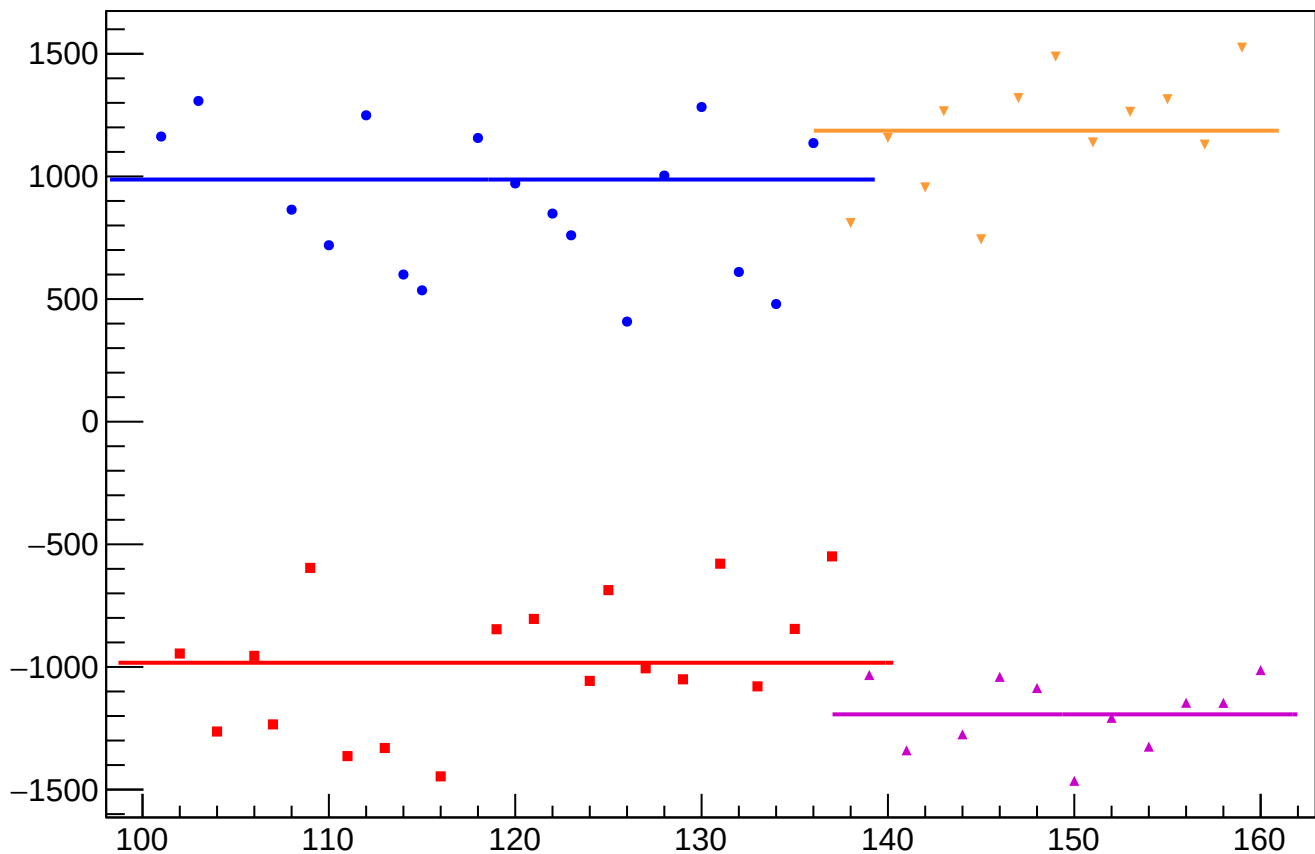
All: 77.040 +/- 0.000 χ^2/NDF : 4343358856524

dit_sam7_coil7_err_mean vs Slug, Sign Corrected



Right In: 278.633 $\pm$ 0.000 χ^2 /NDF: 30524296265206738304048515708883042304.0/16
 Left Out: 220.880 $\pm$ 0.000 χ^2 /NDF: 2451153402301458952205629704112177152.0/11
 Right Out: -262.162 $\pm$ 0.000 χ^2 /NDF: 25748645086335087770789028222868652032.0/17
 Left In: -233.520 $\pm$ 0.000 χ^2 /NDF: 2135124077253807192462629940293009408.0/10
 All: -3.435 $\pm$ 0.000 χ^2 /NDF: 2590679569370

dit_sam7_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388 +/- 0.000

χ^2/NDF : 52571386835815299758771040245189181440.0/16

Left Out: 1186.594 +/- 0.000

χ^2/NDF : 49763362019555548841298308984106647552.0/11

Right Out: -982.831 +/- 0.000

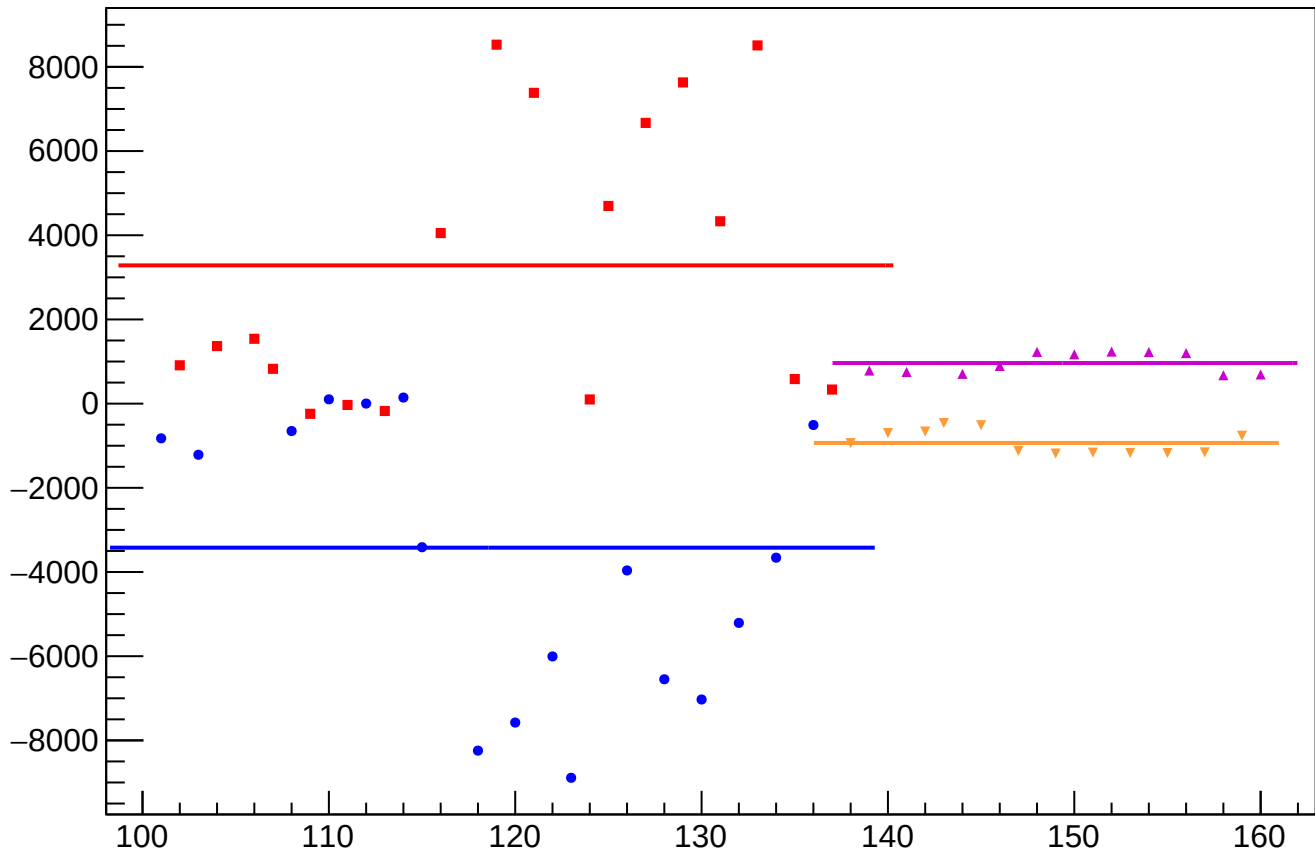
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230 +/- 0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

All: -16.040 +/- 0.000 χ^2/NDF : 414386874879

dit_sam8_coil7_mean vs Slug, Sign Corrected



Right In: -3421.719+/-0.000

χ^2/NDF : 6462112736004972779572658363986020925440.0/16

Left Out: -933.972+/-0.000

χ^2/NDF : 64192639419401528934807333255243628544.0/11

Right Out: 3284.376+/-0.000

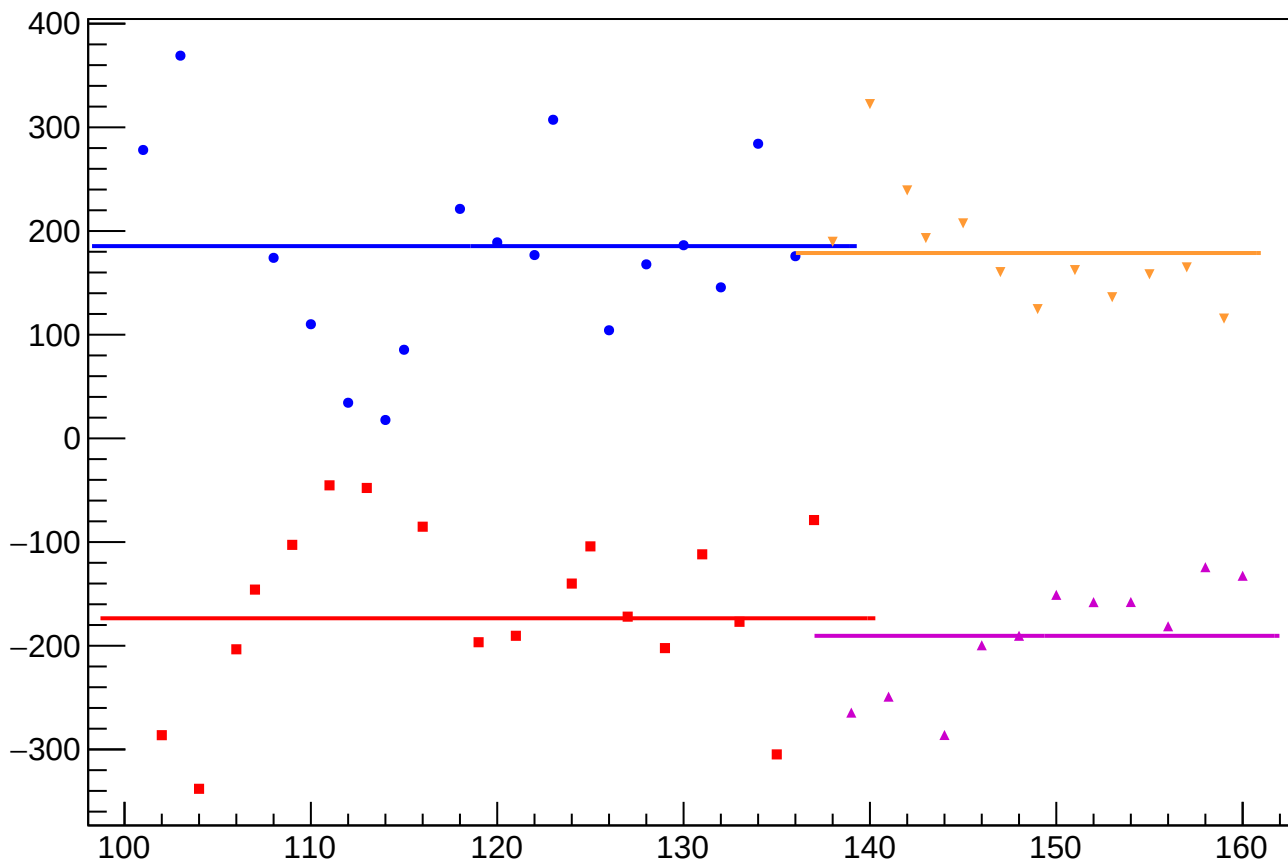
χ^2/NDF : 7820854185595313728450757047863572692992.0/17

Left In: 964.532+/-0.000

χ^2/NDF : 52328346838047917935593162774962765824.0/10

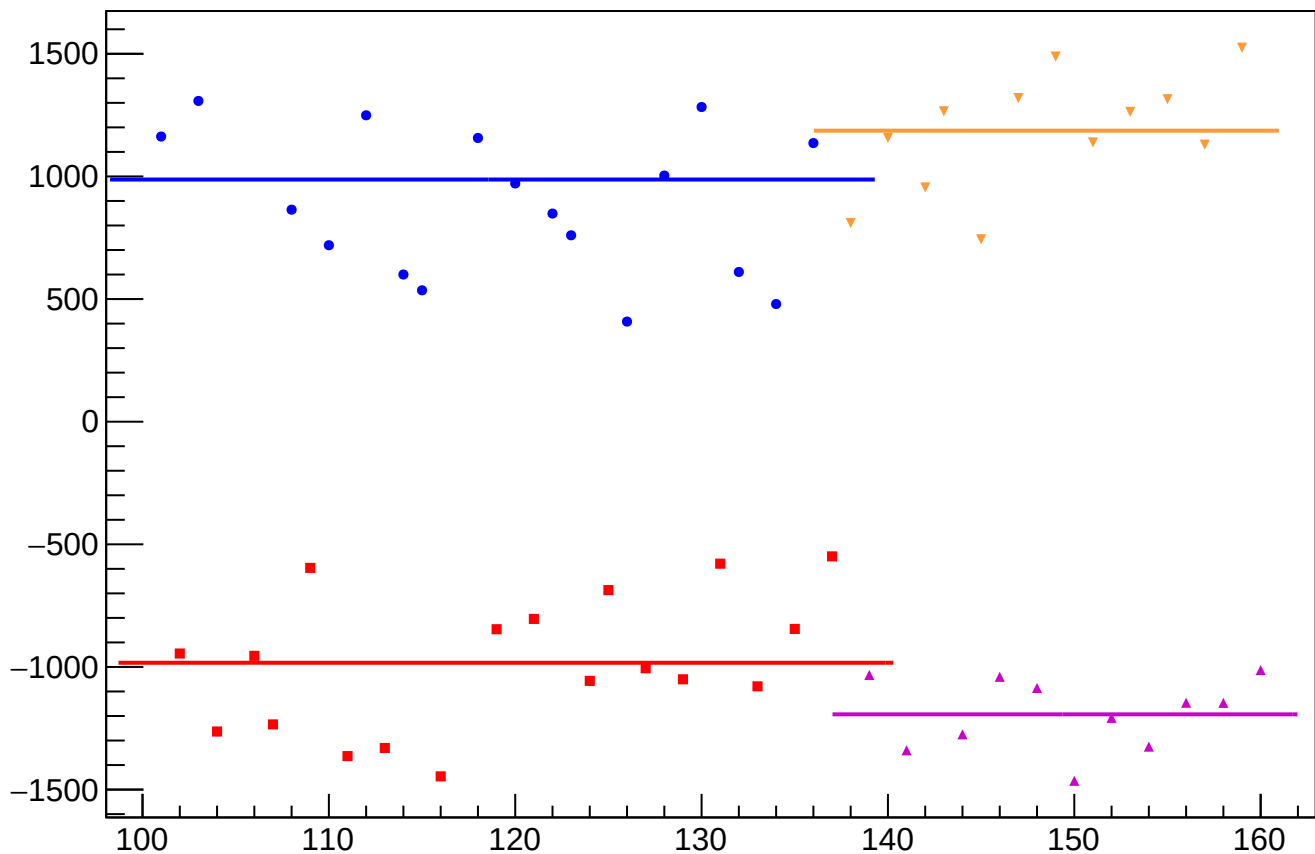
Left: 27.648+/-0.000 χ^2/NDF : 17760271131271719
 Right: -18.697+/-0.000 χ^2/NDF : 301207331793136
 In: -906.432+/-0.000 χ^2/NDF : 1417112247304554
 Out: 923.244+/-0.000 χ^2/NDF : 1500650014022729
 All: 7.562+/-0.000 χ^2/NDF : 31898475032999

dit_sam8_coil7_err_mean vs Slug, Sign Corrected



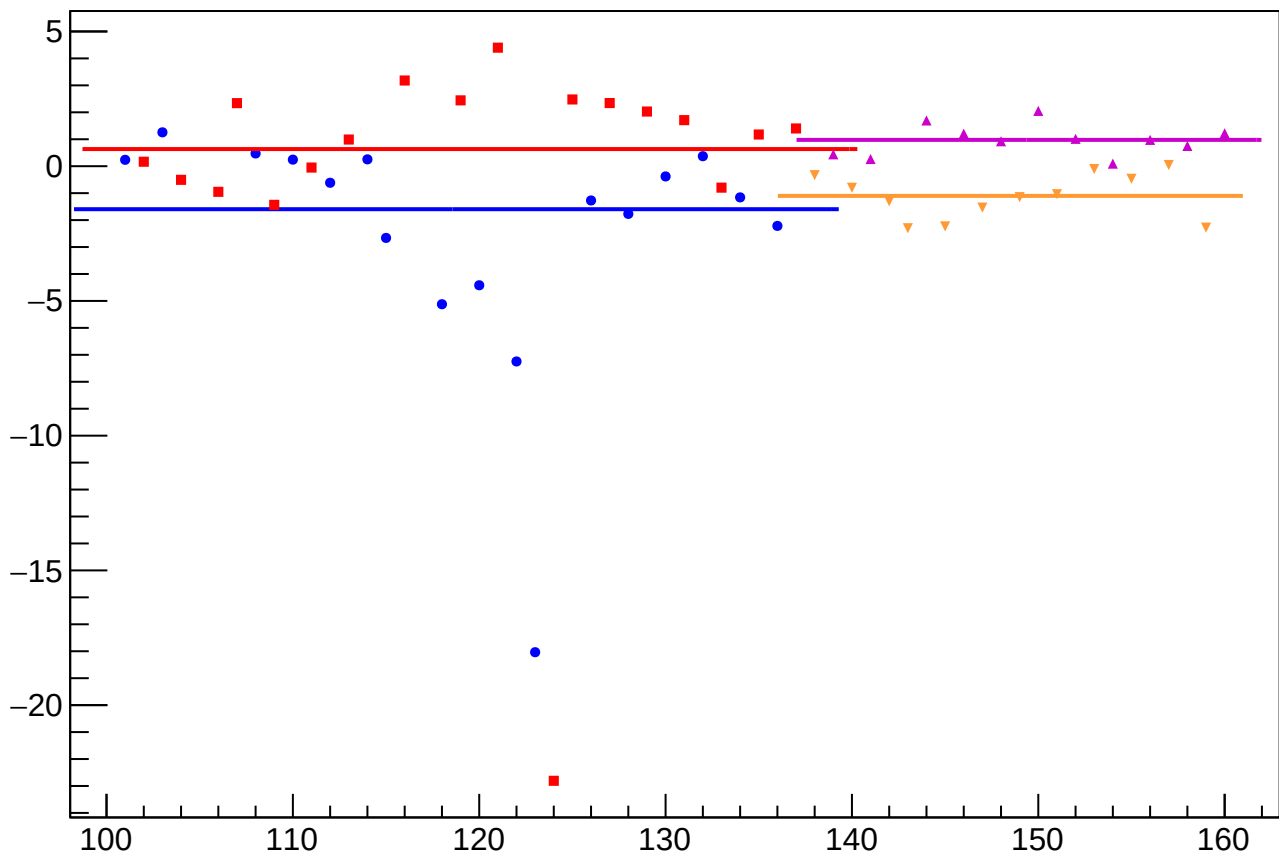
Right In: 185.440 ± 0.000 χ^2/NDF : 4992999881975997017558054599194050560.0/16
 Left Out: 178.789 ± 0.000 χ^2/NDF : 2761846974558217365203652056992186368.0/11
 Right Out: -173.513 ± 0.000 χ^2/NDF : 5476704825855084602521292305195859968.0/17
 Left In: -190.431 ± 0.000 χ^2/NDF : 2526907691148920878217594844913598464.0/10
 All: -3.236 ± 0.000 χ^2/NDF : 1240070542970

dit_sam8_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000 χ^2/NDF : 52571386835815299758771040245189181440.0/16
 Left Out: 1186.594+/-0.000 χ^2/NDF : 49763362019555548841298308984106647552.0/11
 Right Out: -982.831+/-0.000 χ^2/NDF : 48106250951114292454819733992816771072.0/17
 Left In: -1193.230+/-0.000 χ^2/NDF : 18719715189237327364686937904868491264.0/10
 All: -16.040+/-0.000 χ^2/NDF : 414386874879

dit_4aX_coil4_mean vs Slug, Sign Corrected



Right In: -1.596+/-0.000

χ^2/NDF : 4654807928359892398673617982849024.0/16

Left Out: -1.102+/-0.000

χ^2/NDF : 592180467002513566987832570937344.0/11

Right Out: 0.636+/-0.000

χ^2/NDF : 9571048295343482409580772007608320.0/17

Left In: 0.977+/-0.000

χ^2/NDF : 300890397650119639347670720446464.0/10

Left: -0.049+/-0.000 χ^2/NDF : 28826478277952612

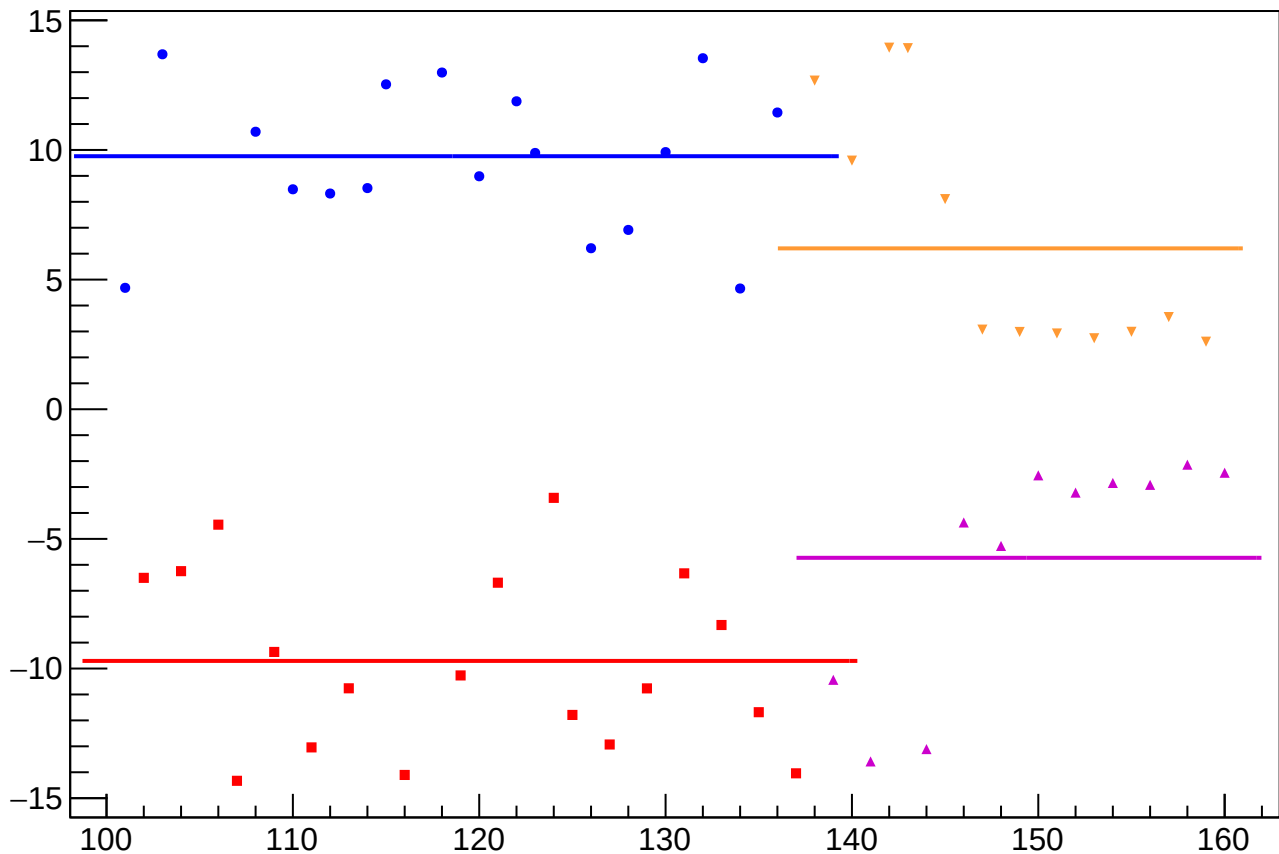
Right: -0.463+/-0.000 χ^2/NDF : 1597994140254711

In: -0.121+/-0.000 χ^2/NDF : 758966812196380194

Out: -0.337+/-0.000 χ^2/NDF : 11371937227369047

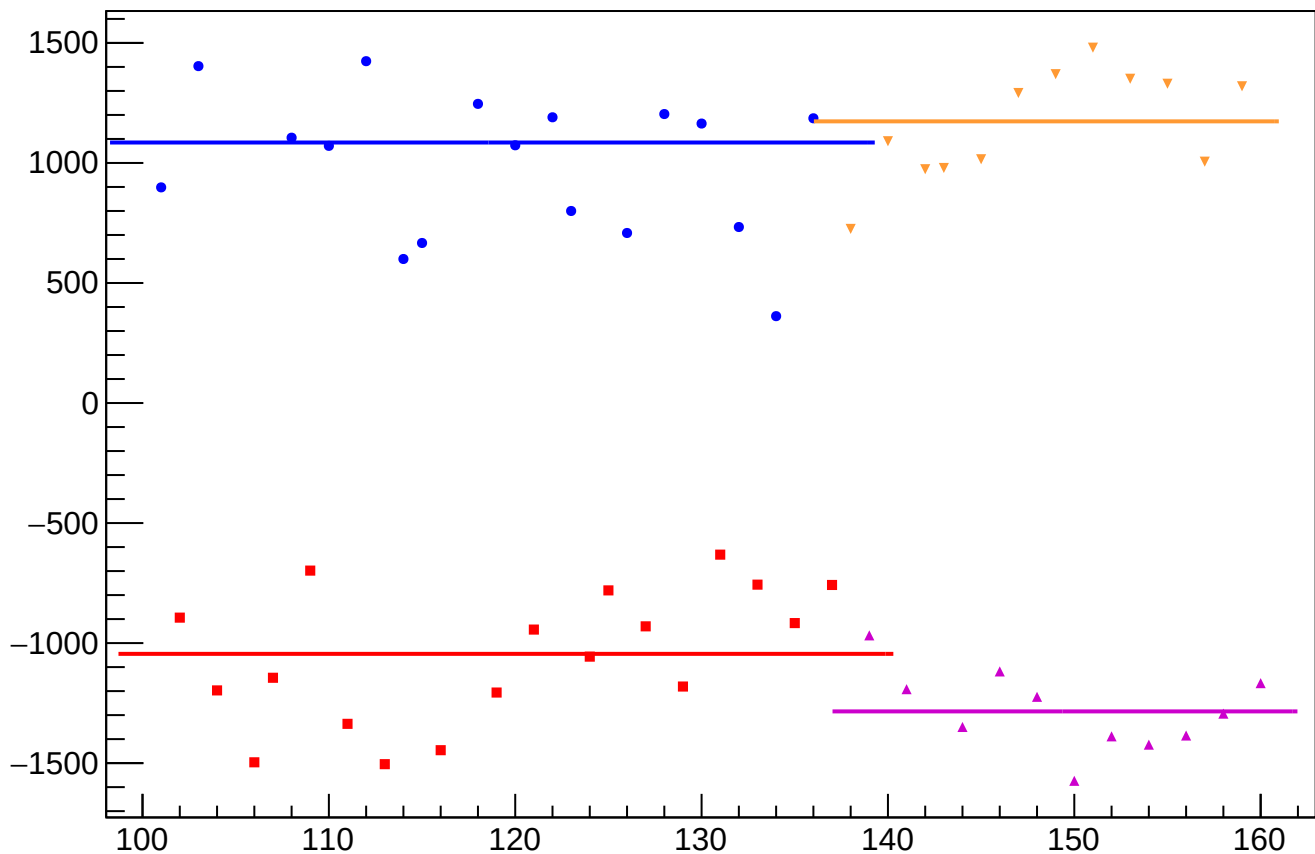
All: -0.229+/-0.000 χ^2/NDF : 1899961310160

dit_4aX_coil4_err_mean vs Slug, Sign Corrected



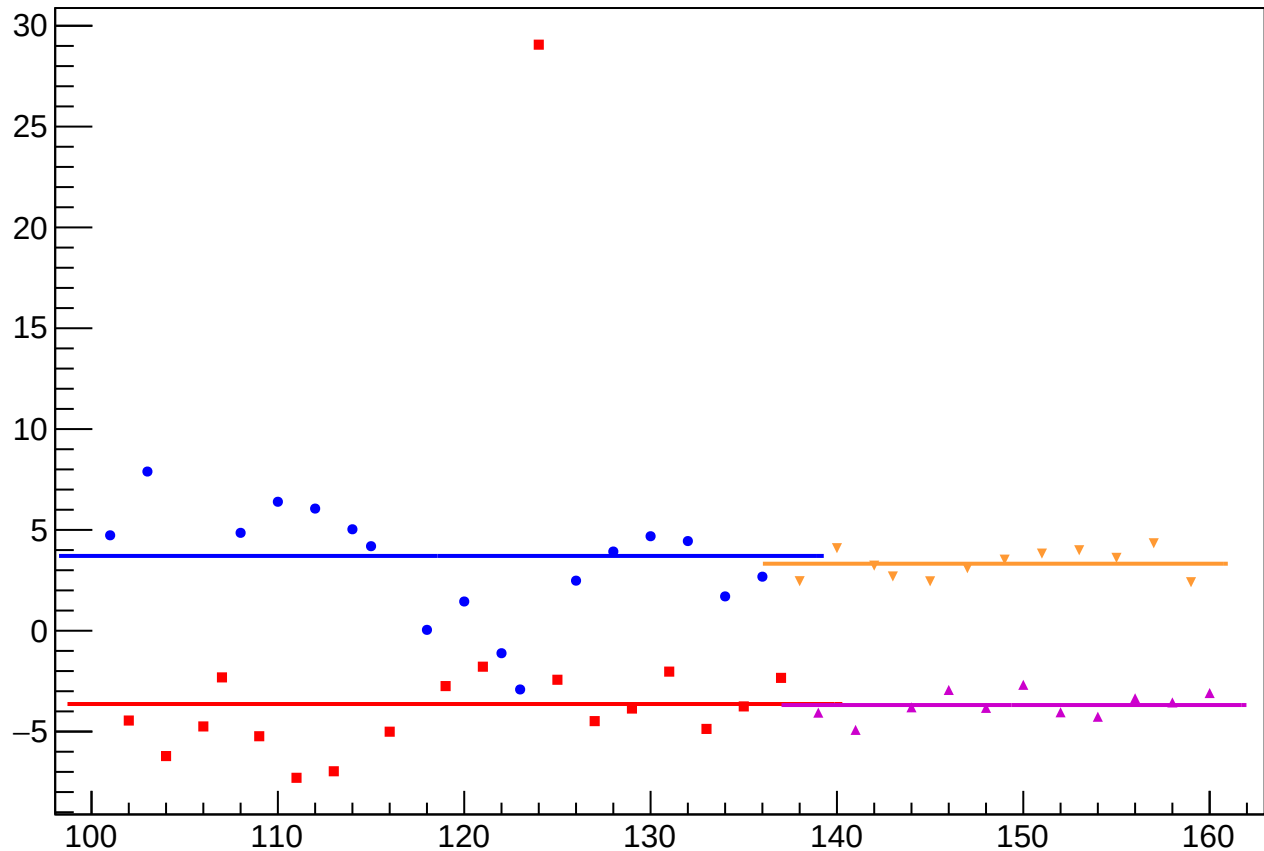
Right In: 9.759 ± 0.000 $\chi^2/\text{NDF}: 5805218601264248923404355625811968.0/16$
 Left Out: 6.204 ± 0.000 $\chi^2/\text{NDF}: 17109991032954173502313359403384832.0/11$
 Right Out: -9.706 ± 0.000 $\chi^2/\text{NDF}: 6508390621050403360774220706480128.0/17$
 Left In: -5.730 ± 0.000 $\chi^2/\text{NDF}: 16834211139985692030618150983696384.0/10$
 All: 0.039 ± 0.000 $\chi^2/\text{NDF}: 24531816908963$

dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected



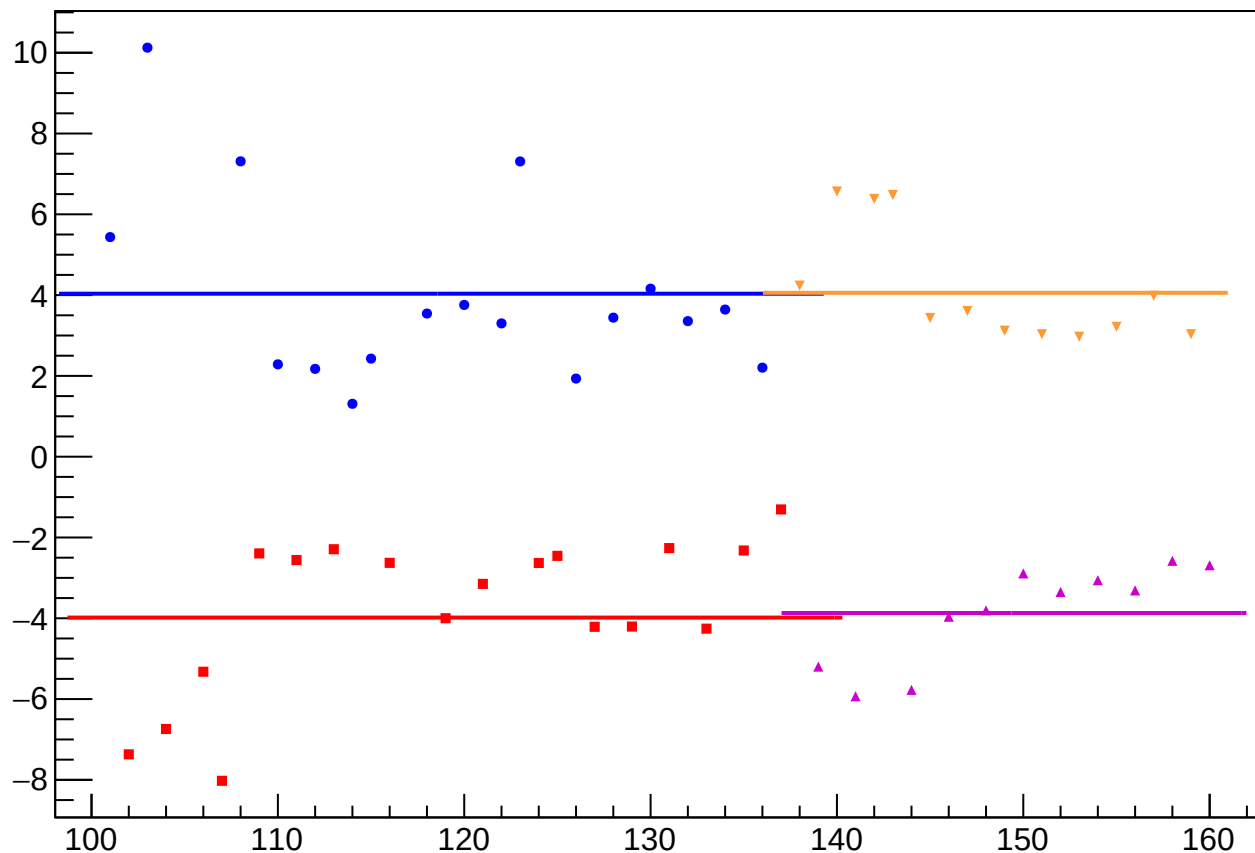
Right In: 1085.186 +/- 0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287 +/- 0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852 +/- 0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540 +/- 0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729 +/- 0.000 χ^2/NDF : 454584232037

dit_4eX_coil4_mean vs Slug, Sign Corrected



Right In: 3.709 ± 0.000	$\chi^2/\text{NDF}: 4018102777172229540031969661812736.0/16$	Left: -0.226 ± 0.000	$\chi^2/\text{NDF}: 23383551075472109$
Left Out: 3.324 ± 0.000	$\chi^2/\text{NDF}: 408662092507009780807820497649664.0/11$	Right: -0.017 ± 0.000	$\chi^2/\text{NDF}: 4018681525044559$
Right Out: -3.634 ± 0.000	$\chi^2/\text{NDF}: 17179706396424887783373227094441984.0/17$	In: -0.531 ± 0.000	$\chi^2/\text{NDF}: 261371414344813745$
Left In: -3.684 ± 0.000	$\chi^2/\text{NDF}: 362171161596980472614323696435200.0/10$	Out: 0.261 ± 0.000	$\chi^2/\text{NDF}: 369594753824512498$
	All: -0.135 ± 0.000		$\chi^2/\text{NDF}: 6360532498866$

dit_4eX_coil4_err_mean vs Slug, Sign Corrected



Right In: 4.035 $\pm$ 0.000

χ^2/NDF : 3710399284586297338090254185267200.0/16

Left Out: 4.057 $\pm$ 0.000

χ^2/NDF : 1601757414873361873208521558851584.0/11

Right Out: -3.983 $\pm$ 0.000

χ^2/NDF : 2613925353133608323825730446163968.0/17

Left In: -3.869 $\pm$ 0.000

χ^2/NDF : 127275025204235909562227723665408.0/10

Left: 0.042 $\pm$ 0.000 χ^2/NDF : 318036590084985990

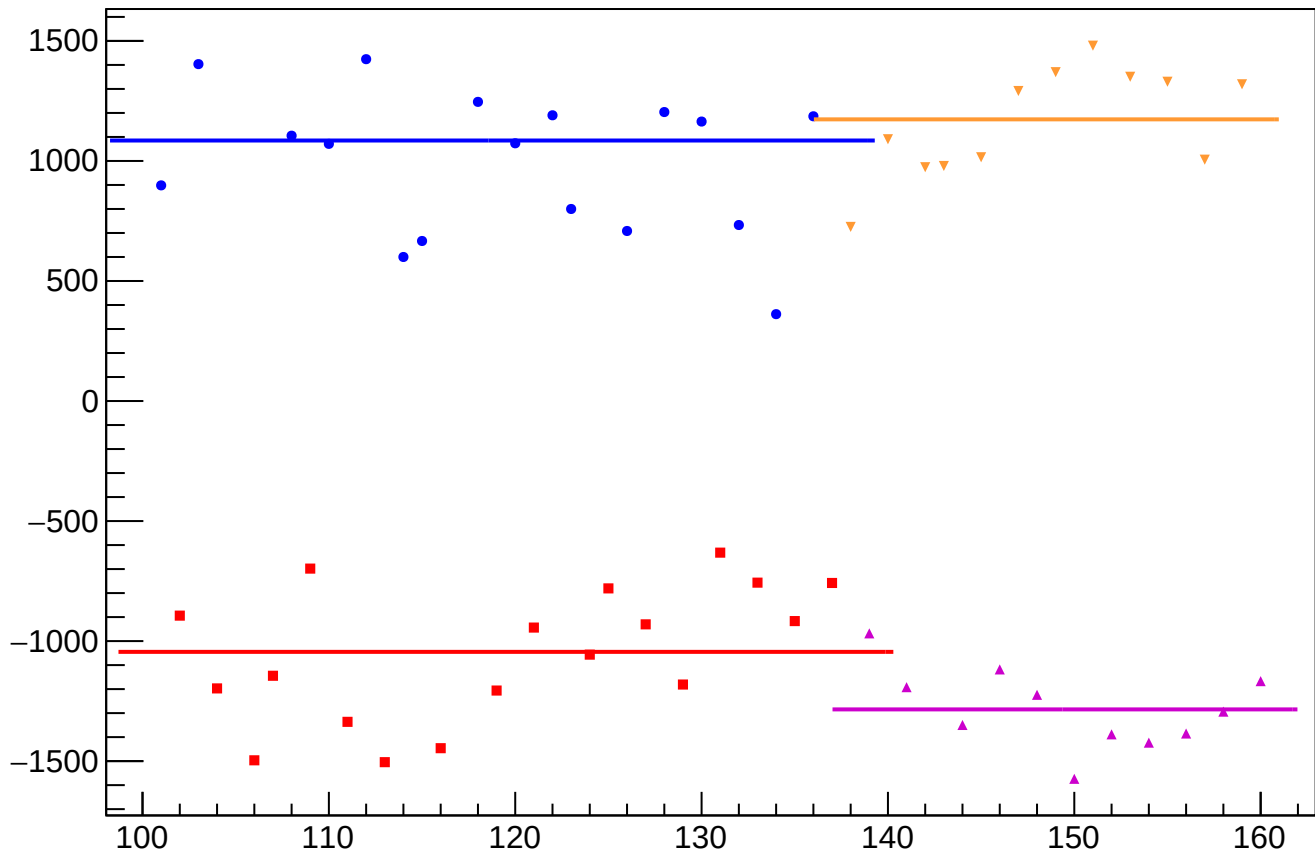
Right: -0.034 $\pm$ 0.000 χ^2/NDF : 2896164909760269

In: -0.498 $\pm$ 0.000 χ^2/NDF : 298470622744878101

Out: 0.518 $\pm$ 0.000 χ^2/NDF : 300849190851869307

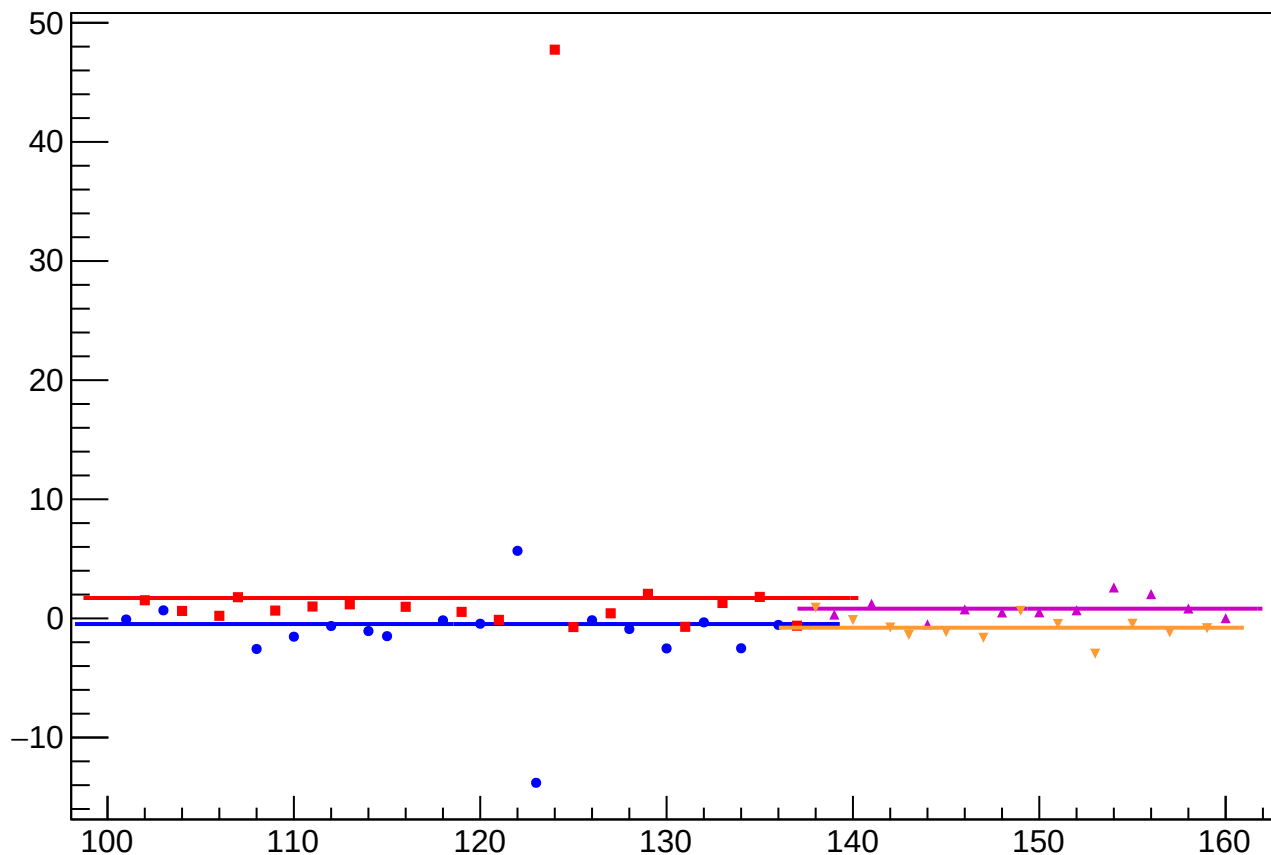
All: 0.009 $\pm$ 0.000 χ^2/NDF : 60769913153660

dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected



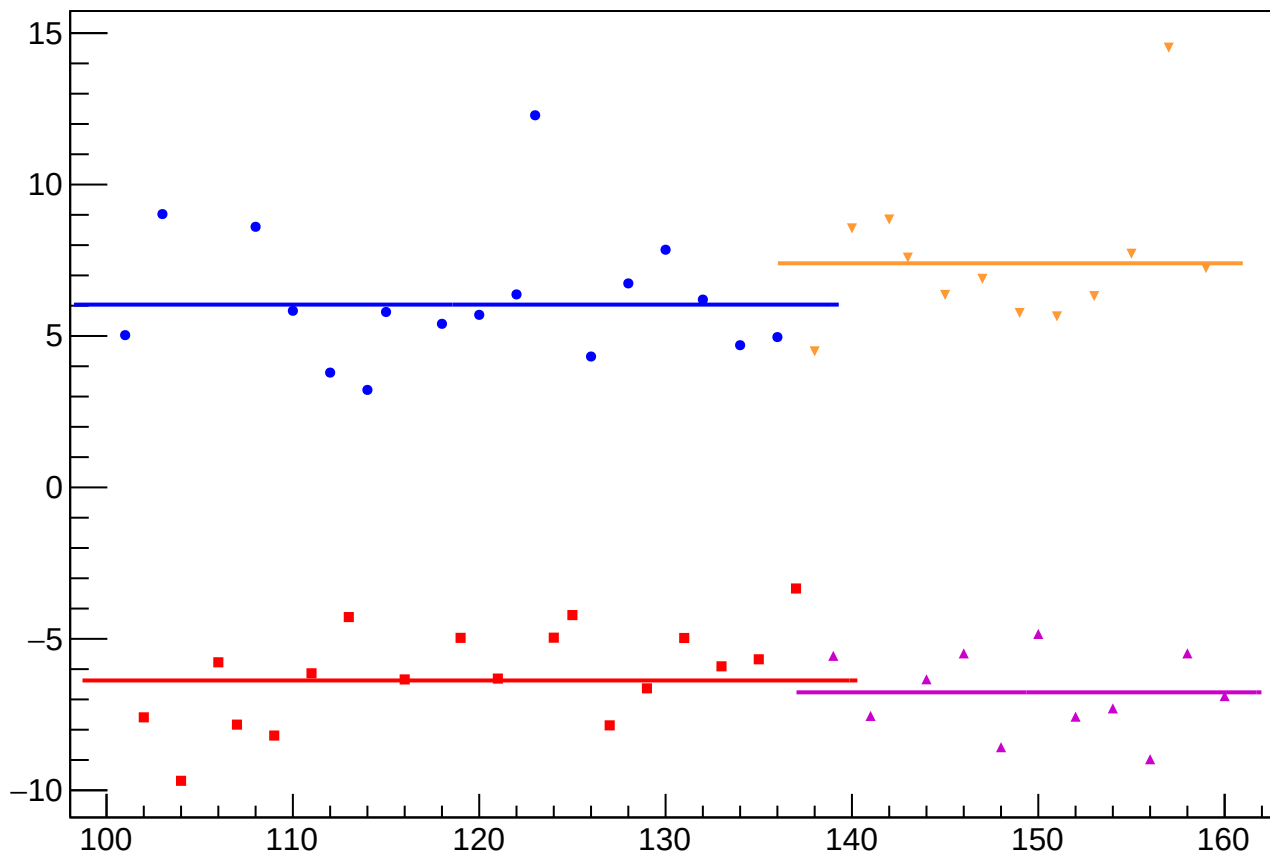
Right In: 1085.186 +/- 0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287 +/- 0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852 +/- 0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540 +/- 0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729 +/- 0.000 χ^2/NDF : 454584232037

dit_11X12X_coil4_mean vs Slug, Sign Corrected



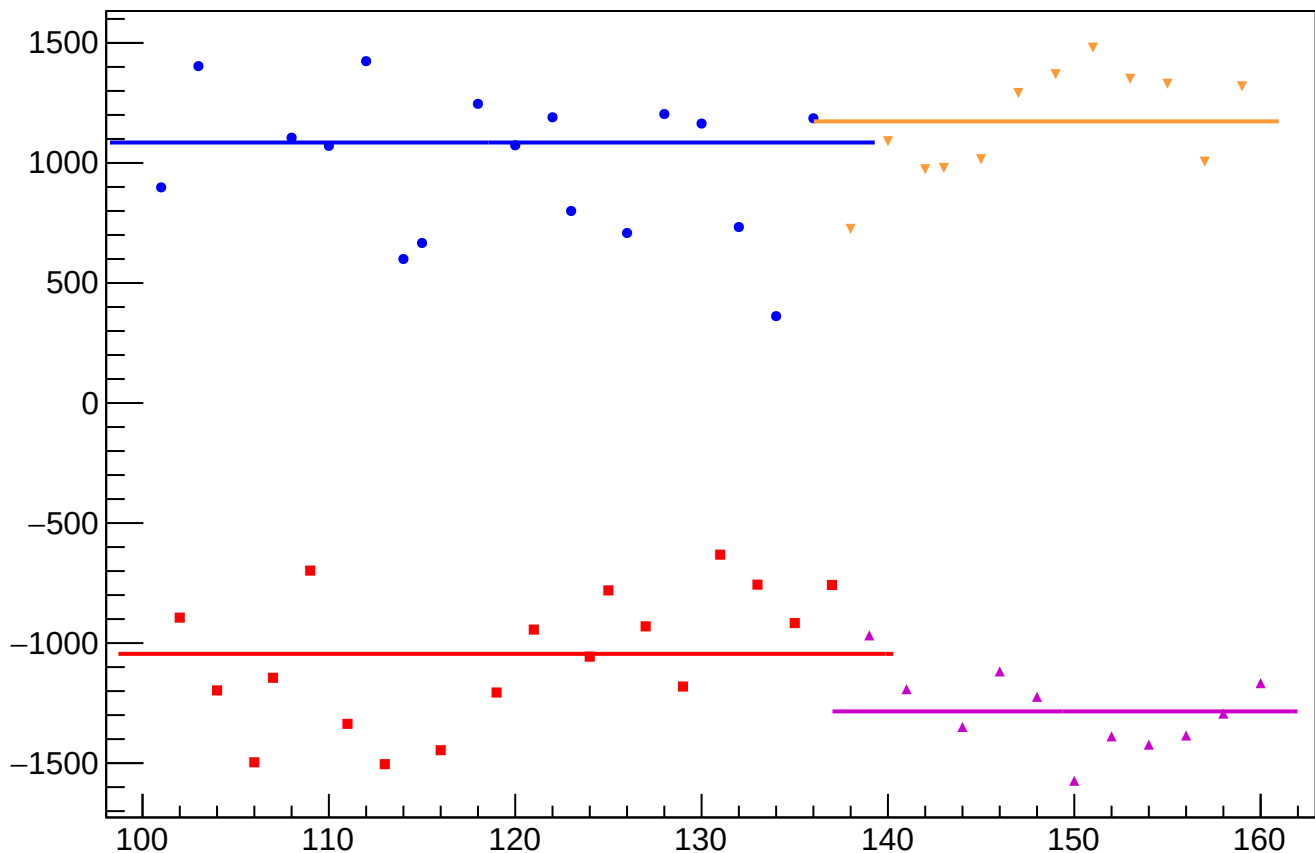
Right In: -0.473 ± 0.000 χ^2/NDF : 2898613024888316123890745518063616.0/16
 Left Out: -0.782 ± 0.000 χ^2/NDF : 945280645994518900934494480498688.0/11
 Right Out: 1.712 ± 0.000 χ^2/NDF : 30716645280339484063089556715470848.0/17
 Left In: 0.816 ± 0.000 χ^2/NDF : 662056853644750883685234129240064.0/10
 All: 0.291 ± 0.000 χ^2/NDF : 38376365142967

dit_11X12X_coil4_err_mean vs Slug, Sign Corrected



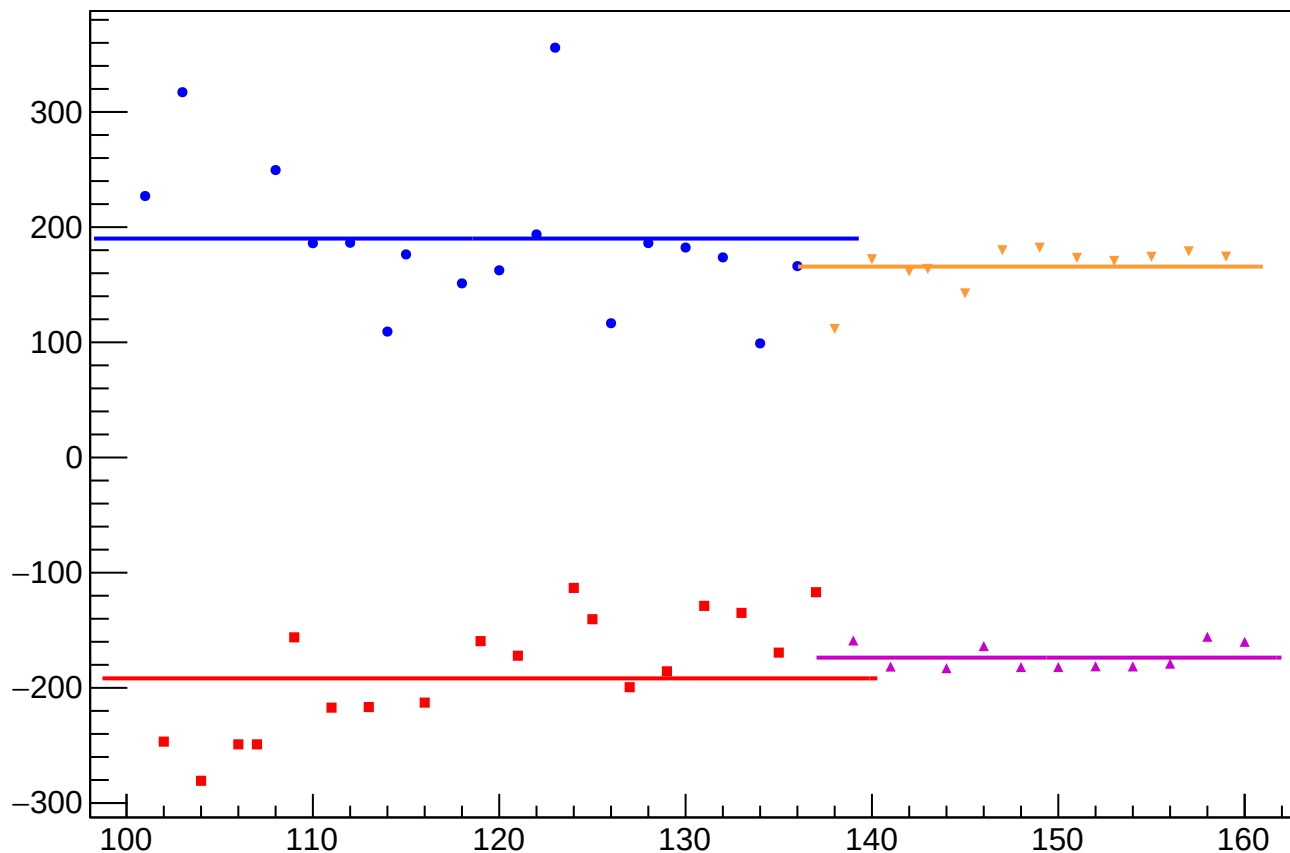
Right In: 6.036 ± 0.000 $\chi^2/\text{NDF}: 1834282168572363767997793128415232.0/16$
 Left Out: 7.400 ± 0.000 $\chi^2/\text{NDF}: 5295448681829047225809354325229568.0/11$
 Right Out: -6.374 ± 0.000 $\chi^2/\text{NDF}: 1775962730889931898255737308053504.0/17$
 Left In: -6.766 ± 0.000 $\chi^2/\text{NDF}: 1543455485673800968010090913202176.0/10$
 All: 0.014 ± 0.000 $\chi^2/\text{NDF}: 15727417011550$

dit_11X12X_coil4_Ndata_mean vs Slug, Sign Corrected



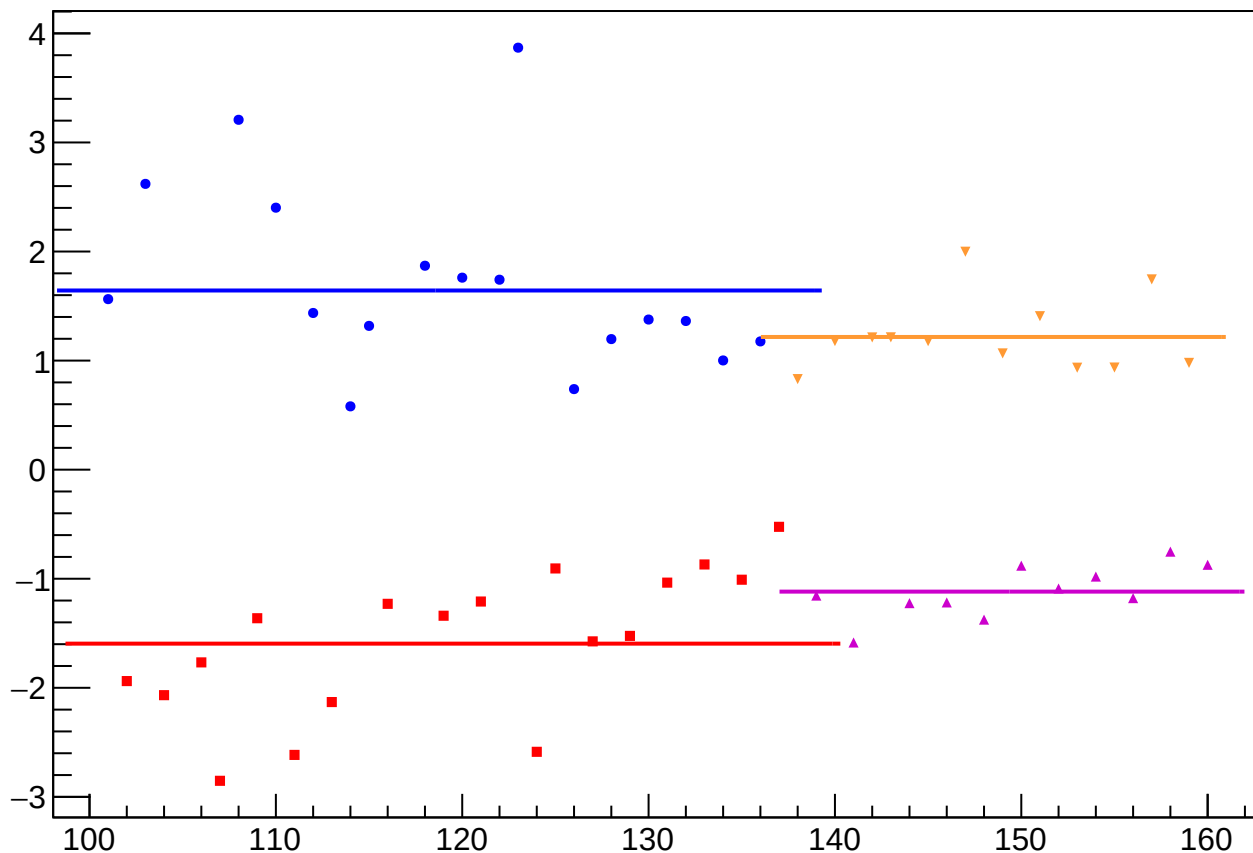
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_4aY_coil4_mean vs Slug, Sign Corrected



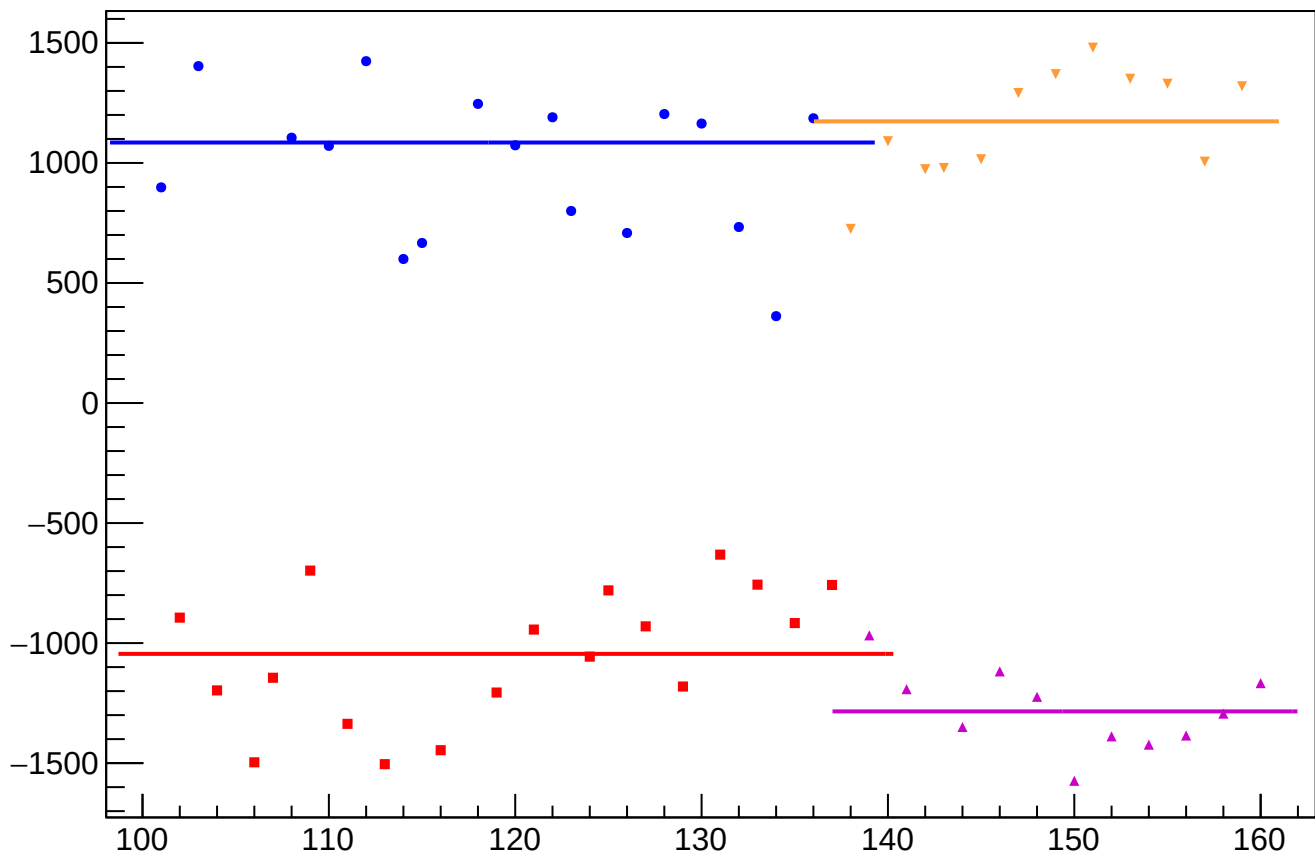
Right In: 190.085 $\pm$ 0.000 χ^2 /NDF: 1925698803891151227234396073587900416.0/16
 Left Out: 165.739 $\pm$ 0.000 χ^2 /NDF: 344682497656901428032567062567059456.0/11
 Right Out: -191.757 $\pm$ 0.000 χ^2 /NDF: 1600653754892471682568282524337831936.0/17
 Left In: -173.752 $\pm$ 0.000 χ^2 /NDF: 105283442852130720199037078170763264.0/10
 All: -5.119 $\pm$ 0.000 χ^2 /NDF: 1083947156669

dit_4aY_coil4_err_mean vs Slug, Sign Corrected



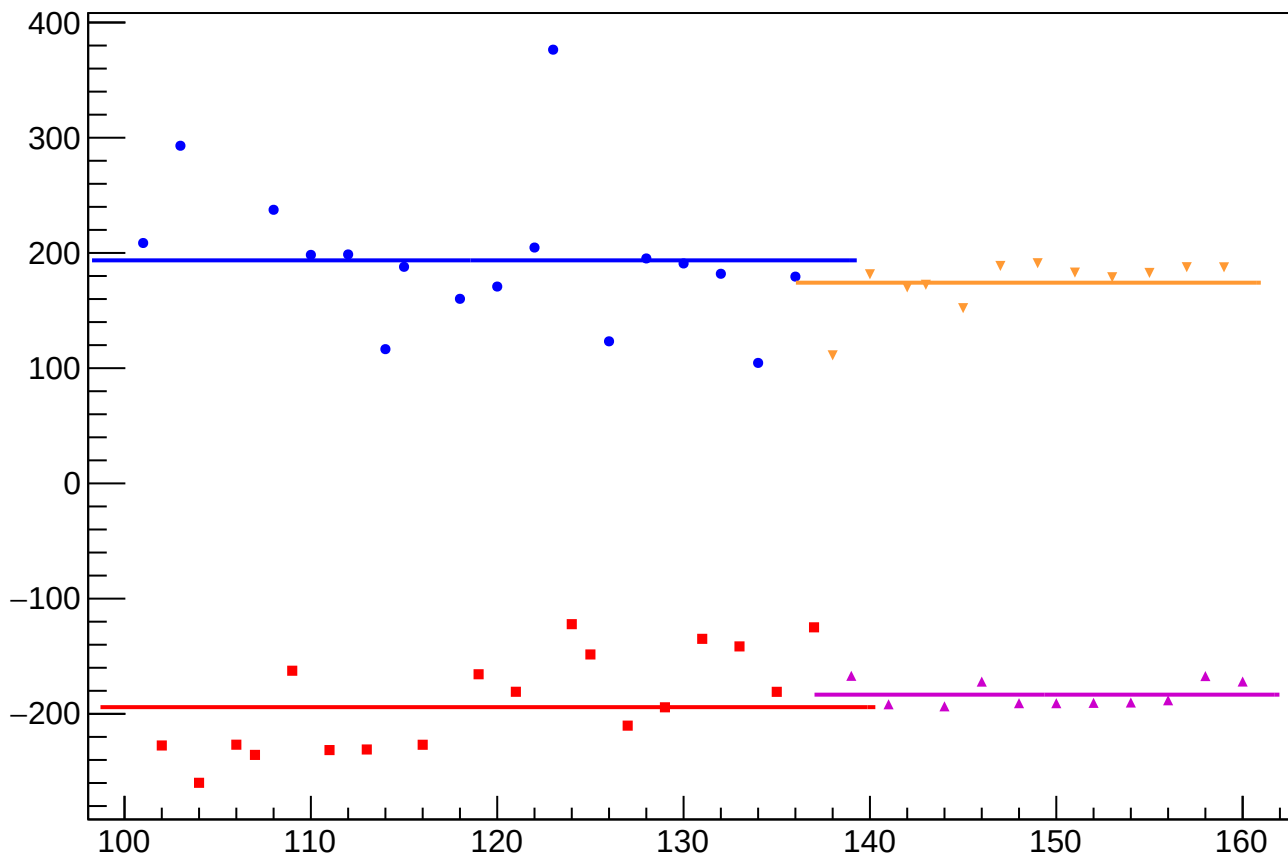
Right In: 1.643 +/- 0.000 χ^2/NDF : 289253300871261454870716449030144.0/16
 Left Out: 1.217 +/- 0.000 χ^2/NDF : 102394613447491283246123057152000.0/11
 Right Out: -1.595 +/- 0.000 χ^2/NDF : 253487865182855947655895326916608.0/17
 Left In: -1.118 +/- 0.000 χ^2/NDF : 49044430342731068780186328629248.0/10
 All: 0.019 +/- 0.000 χ^2/NDF : 68970144318089

dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected



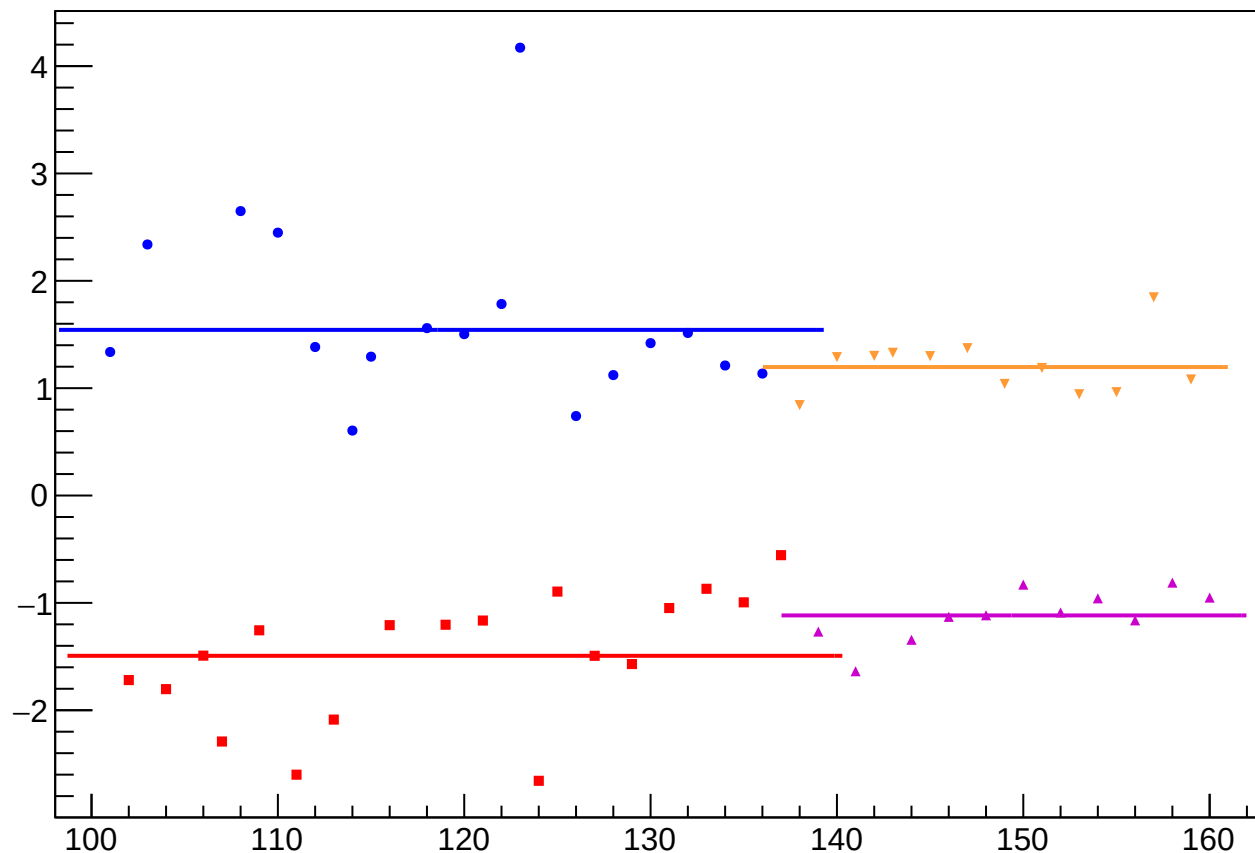
Right In: 1085.186+/-0.000	χ^2/NDF : 44603059371113642027482174752630505472.0/16	Left: -71.638+/-0.000	χ^2/NDF : 2847965876858153
Left Out: 1173.287+/-0.000	χ^2/NDF : 42540290412411971649148526900629471232.0/11	Right: 4.294+/-0.000	χ^2/NDF : 16932734928141311
Right Out: -1044.852+/-0.000	χ^2/NDF : 50845956393664427375382832394046275584.0/17	In: -273.729+/-0.000	χ^2/NDF : 2303517069122456
Left In: -1284.540+/-0.000	χ^2/NDF : 24056417049221053484728394918859374592.0/10	Out: 196.705+/-0.000	χ^2/NDF : 2062457208179950
	All: -38.729+/-0.000	χ^2/NDF : 454584232037	

dit_4eY_coil4_mean vs Slug, Sign Corrected



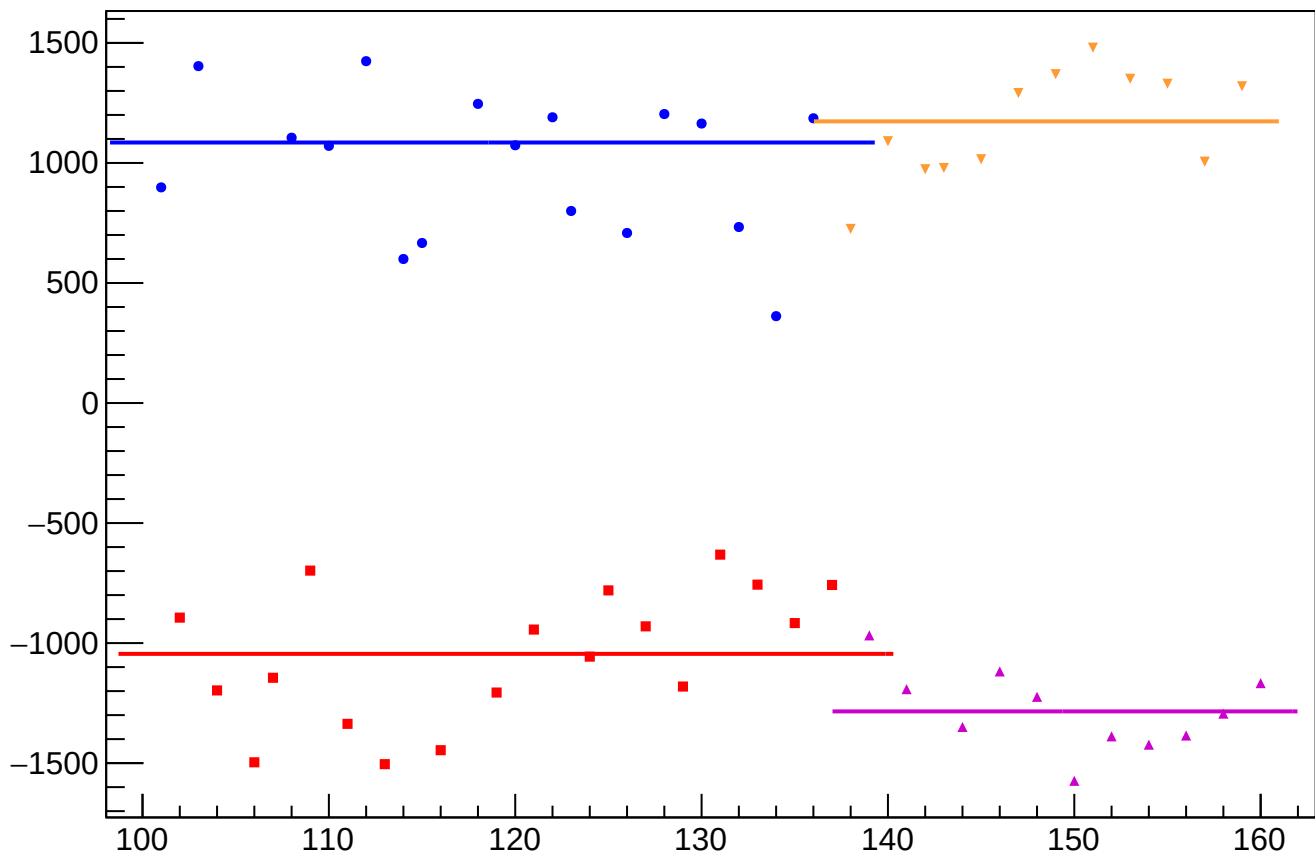
Right In: 193.573+/-0.000 χ^2/NDF : 1351064334288465855493252395600707584.0/16
 Left Out: 174.198+/-0.000 χ^2/NDF : 435157803959110752164132199015120896.0/11
 Right Out: -194.177+/-0.000 χ^2/NDF : 1137351144016205804609551236362928128.0/17
 Left In: -183.338+/-0.000 χ^2/NDF : 99283390921198074748427132624437248.0/10
 All: -5.292+/-0.000 χ^2/NDF : 1148391836793

dit_4eY_coil4_err_mean vs Slug, Sign Corrected



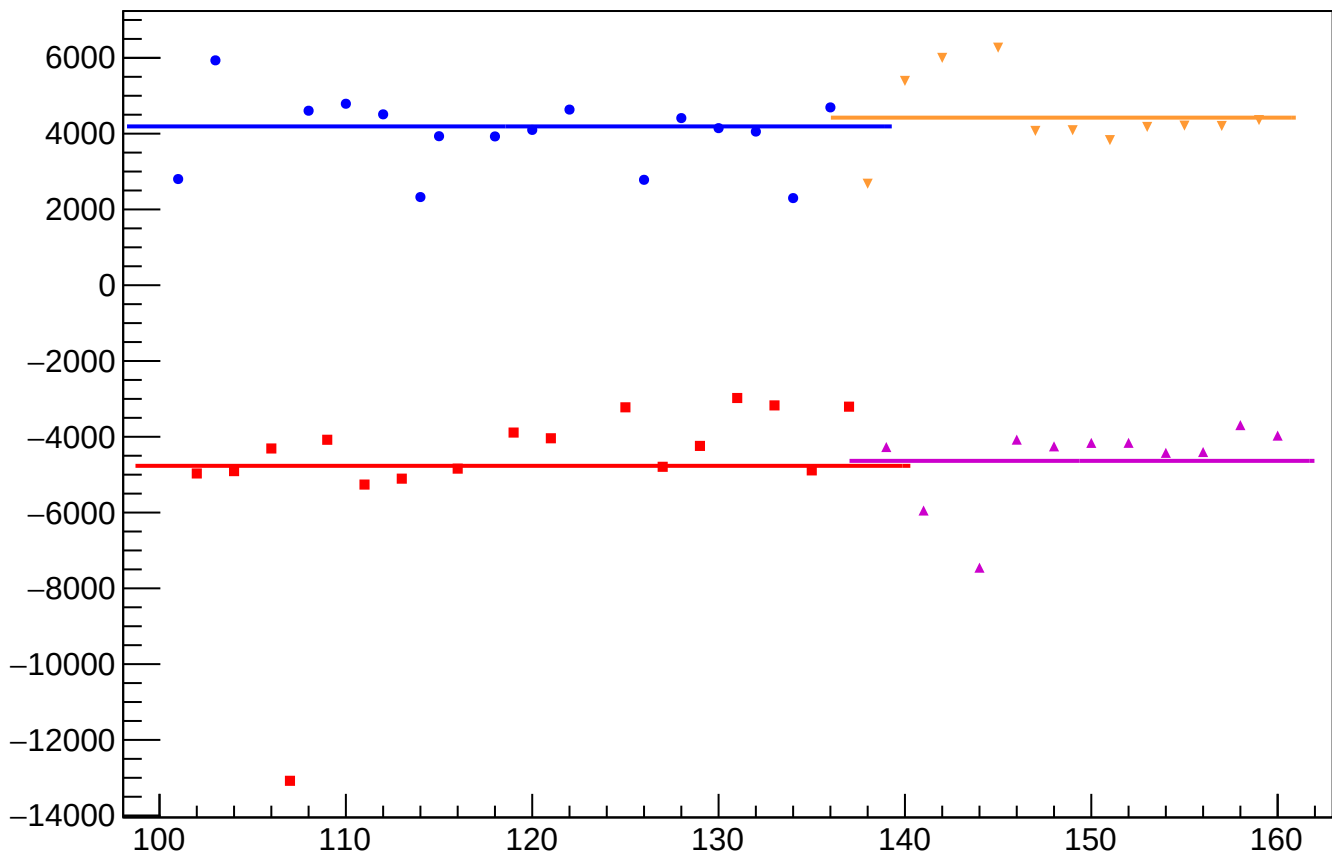
Right In: 1.543 +/- 0.000 χ^2/NDF : 211470615756148398389395258867712.0/16
 Left Out: 1.197 +/- 0.000 χ^2/NDF : 59586654303702490446710865657856.0/11
 Right Out: -1.493 +/- 0.000 χ^2/NDF : 198853919603996729553220305682432.0/17
 Left In: -1.117 +/- 0.000 χ^2/NDF : 49235563214758682247299927638016.0/10
 All: 0.015 +/- 0.000 χ^2/NDF : 62302324533540

dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected



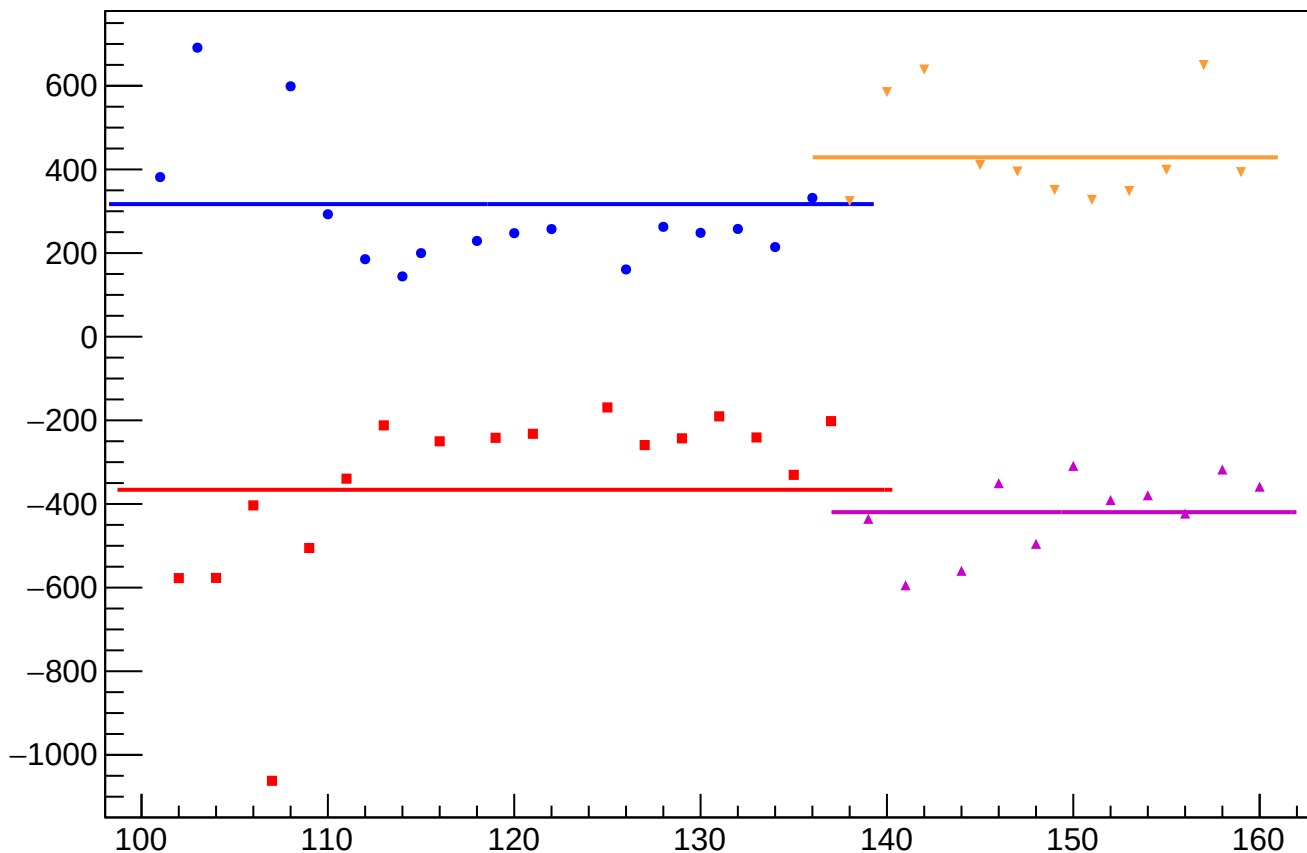
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_usl_coil4_mean vs Slug, Sign Corrected



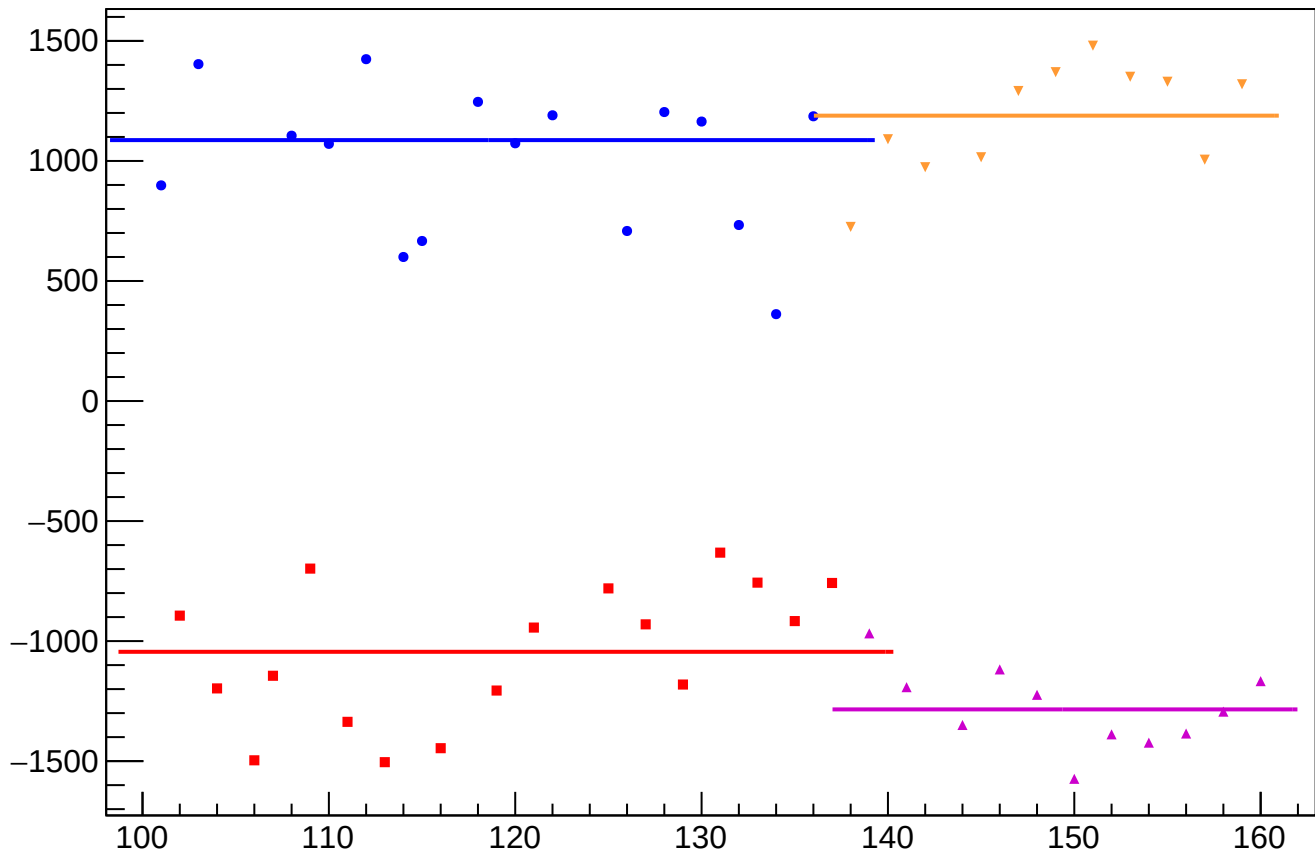
Right In: 4190.973+/-0.000 χ^2/NDF : 554038134535494230935556440305969397760.0/15
 Left Out: 4422.510+/-0.000 χ^2/NDF : 753196682646313209134126931375441313792.0/10
 Right Out: -4766.714+/-0.000 χ^2/NDF : 2969196242721495635889986773908602224640.0/16
 Left In: -4635.509+/-0.000 χ^2/NDF : 1059752939887595758489348119495845085184.0/10
 All: -331.924+/-0.000 χ^2/NDF : 69551117198

dit_usl_coil4_err_mean vs Slug, Sign Corrected



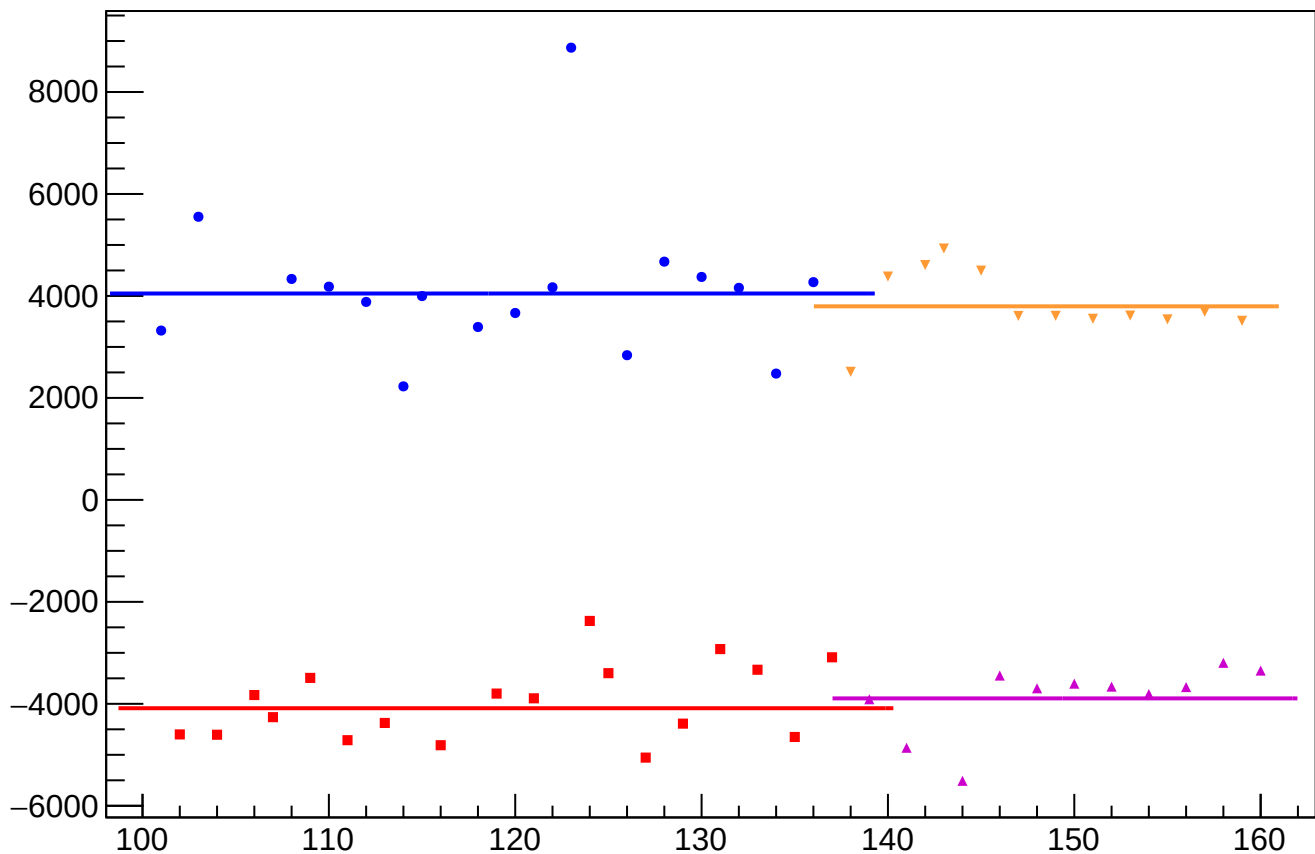
Right In: 317.084+/-0.000 χ^2/NDF : 15440276359245580191741047920465543168.0/15
 Left Out: 428.978+/-0.000 χ^2/NDF : 10626522837529690140021114504579383296.0/10
 Right Out: -366.053+/-0.000 χ^2/NDF : 31157973605683459615642144815175434240.0/16
 Left In: -419.525+/-0.000 χ^2/NDF : 7733869691626146763225313004956418048.0/10
 All: -21.488+/-0.000 χ^2/NDF : 545956988188

dit_usl_coil4_Ndata_mean vs Slug, Sign Corrected



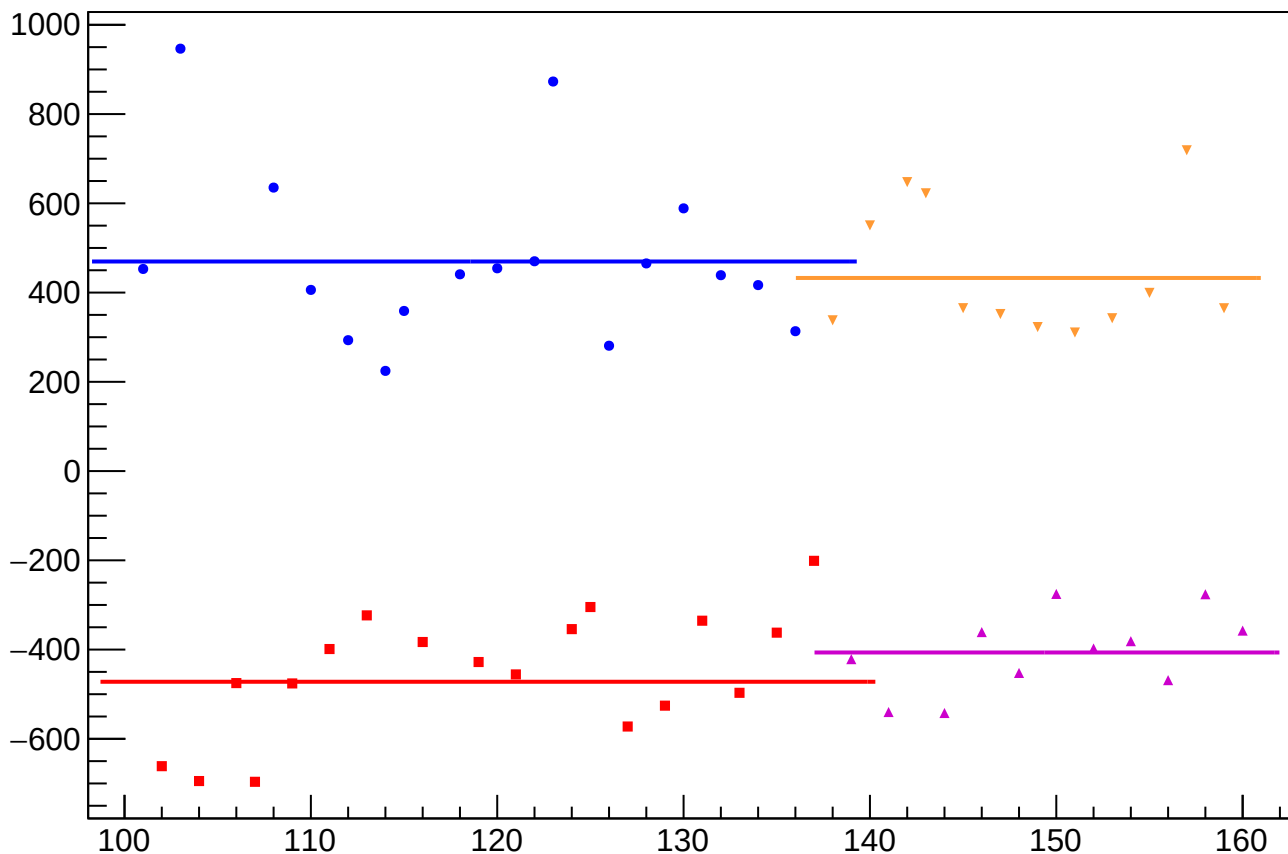
Right In: 1086.839+/-0.000 χ^2/NDF : 44275849492978077110615226297834536960.0/15
 Left Out: 1188.739+/-0.000 χ^2/NDF : 39812899139477527607362290262896279552.0/10
 Right Out: -1044.621+/-0.000 χ^2/NDF : 50844042601115178022623217176499191808.0/16
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -56.828+/-0.000 χ^2/NDF : 445808036834

dit_usr_coil4_mean vs Slug, Sign Corrected



Right In: 4047.777+/-0.000 χ^2/NDF : 474277601546286209707812771687018004480.0/16
 Left Out: 3796.236+/-0.000 χ^2/NDF : 336687829589722132467600550527009554432.0/11
 Right Out: -4086.316+/-0.000 χ^2/NDF : 301982700213825275137563978140215148544.0/17
 Left In: -3893.435+/-0.000 χ^2/NDF : 413166584185760487956391730192104554496.0/10
 All: -90.543+/-0.000 χ^2/NDF : 520525241625

dit_usr_coil4_err_mean vs Slug, Sign Corrected



Right In: 469.645 $\pm$ 0.000 χ^2 /NDF: 22201042961896219188176863921652629504.0/16

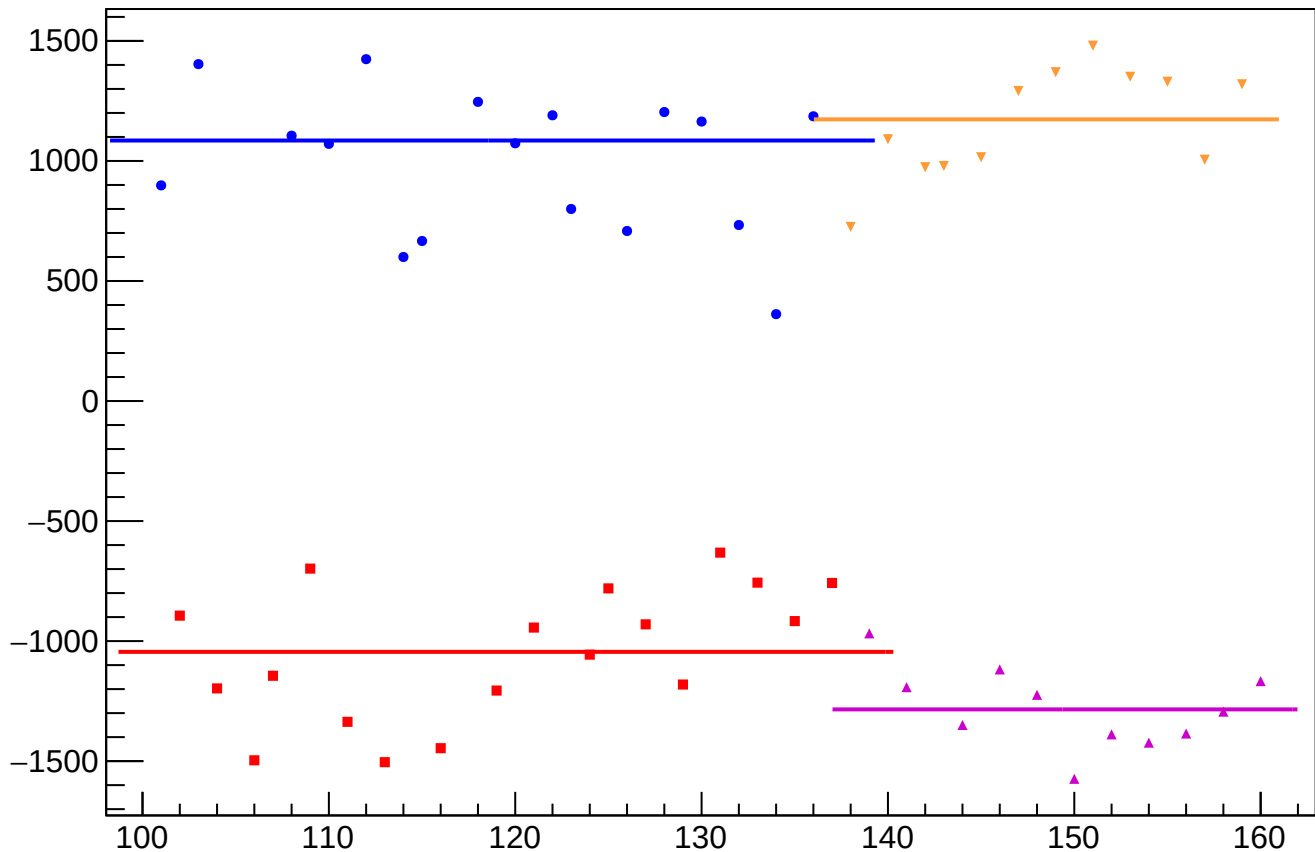
Left Out: 432.752 $\pm$ 0.000 χ^2 /NDF: 16613778156502227039812648208749821952.0/11

Right Out: -472.112 $\pm$ 0.000 χ^2 /NDF: 12398871924669384395849092219212398592.0/17

Left In: -406.513 $\pm$ 0.000 χ^2 /NDF: 7035979744021755230989165632233144320.0/10

All: 0.759 $\pm$ 0.000 χ^2 /NDF: 69510091565194

dit_usr_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000

χ^2/NDF : 44603059371113642027482174752630505472.0/16

Left Out: 1173.287+/-0.000

χ^2/NDF : 42540290412411971649148526900629471232.0/11

Right Out: -1044.852+/-0.000

χ^2/NDF : 50845956393664427375382832394046275584.0/17

Left In: -1284.540+/-0.000

χ^2/NDF : 24056417049221053484728394918859374592.0/10

Left: -71.638+/-0.000 χ^2/NDF : 2847965876858153

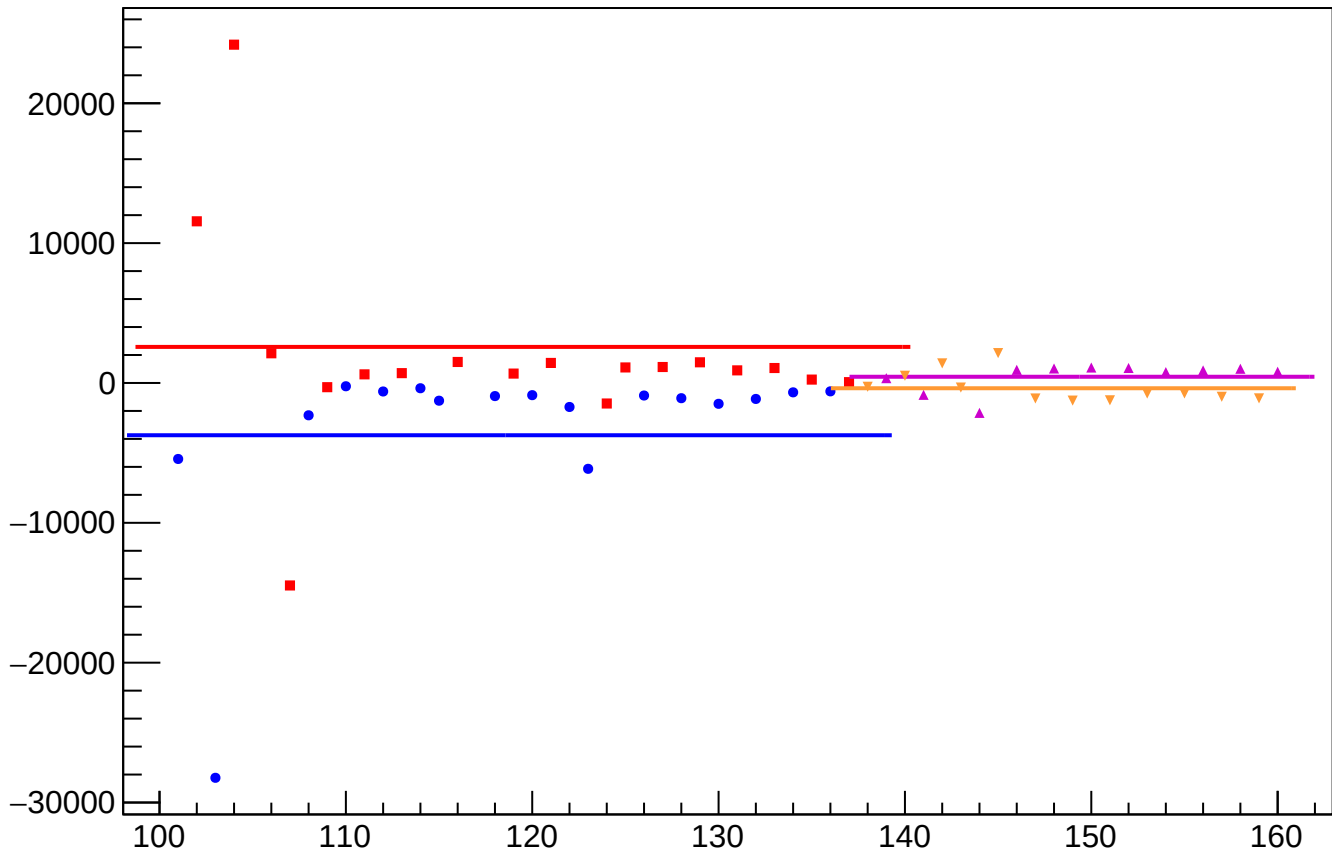
Right: 4.294+/-0.000 χ^2/NDF : 16932734928141311

In: -273.729+/-0.000 χ^2/NDF : 2303517069122456

Out: 196.705+/-0.000 χ^2/NDF : 2062457208179950

All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_atl1_coil4_mean vs Slug, Sign Corrected



Right In: -3737.261+/-0.000

χ^2/NDF : 39970682954500817220133496875438988853248.0/16

Left Out: -377.495+/-0.000

χ^2/NDF : 962483060737220205564221178088372830208.0/11

Right Out: 2578.788+/-0.000

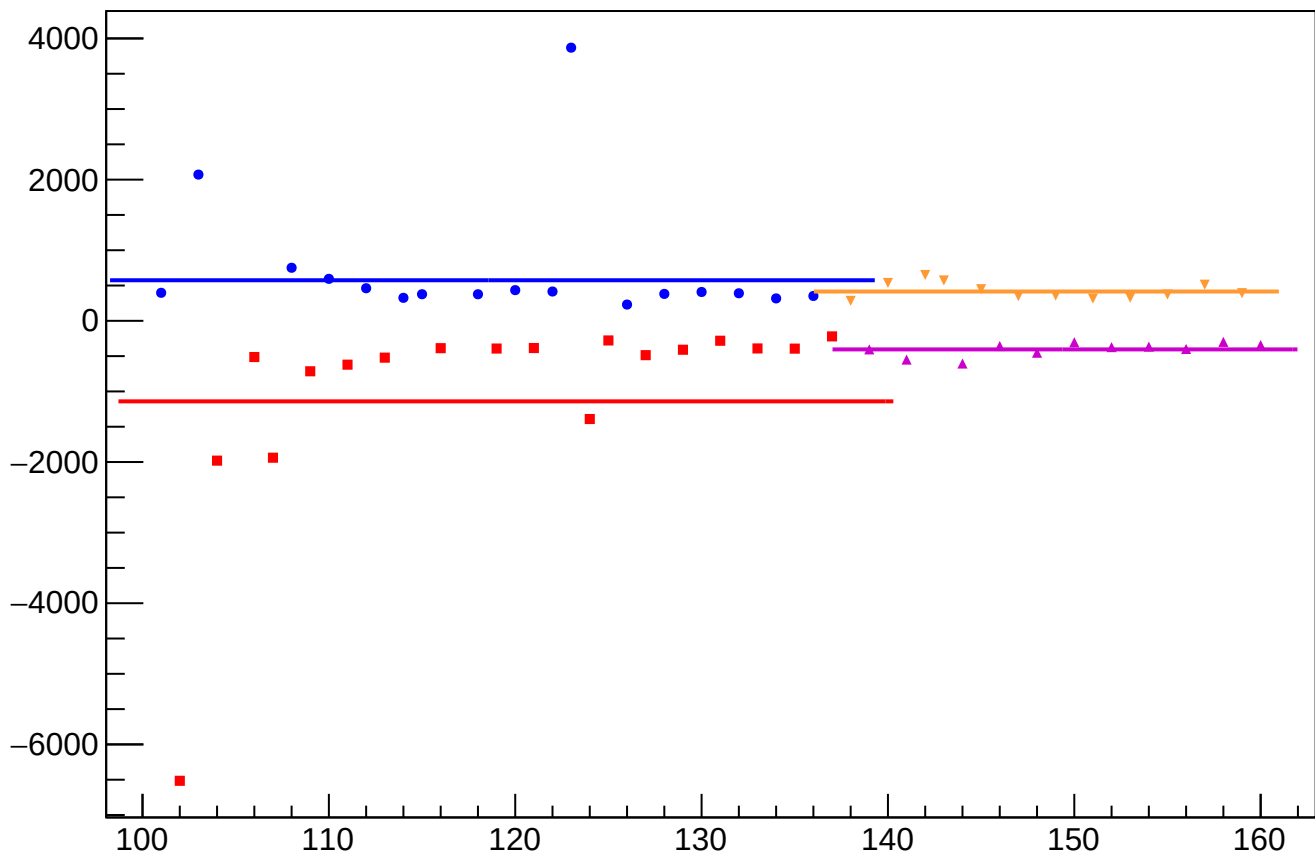
χ^2/NDF : 41033783209718443304558448411646302879744.0/17

Left In: 444.428+/-0.000

χ^2/NDF : 923276009049297948790551518127417458688.0/10

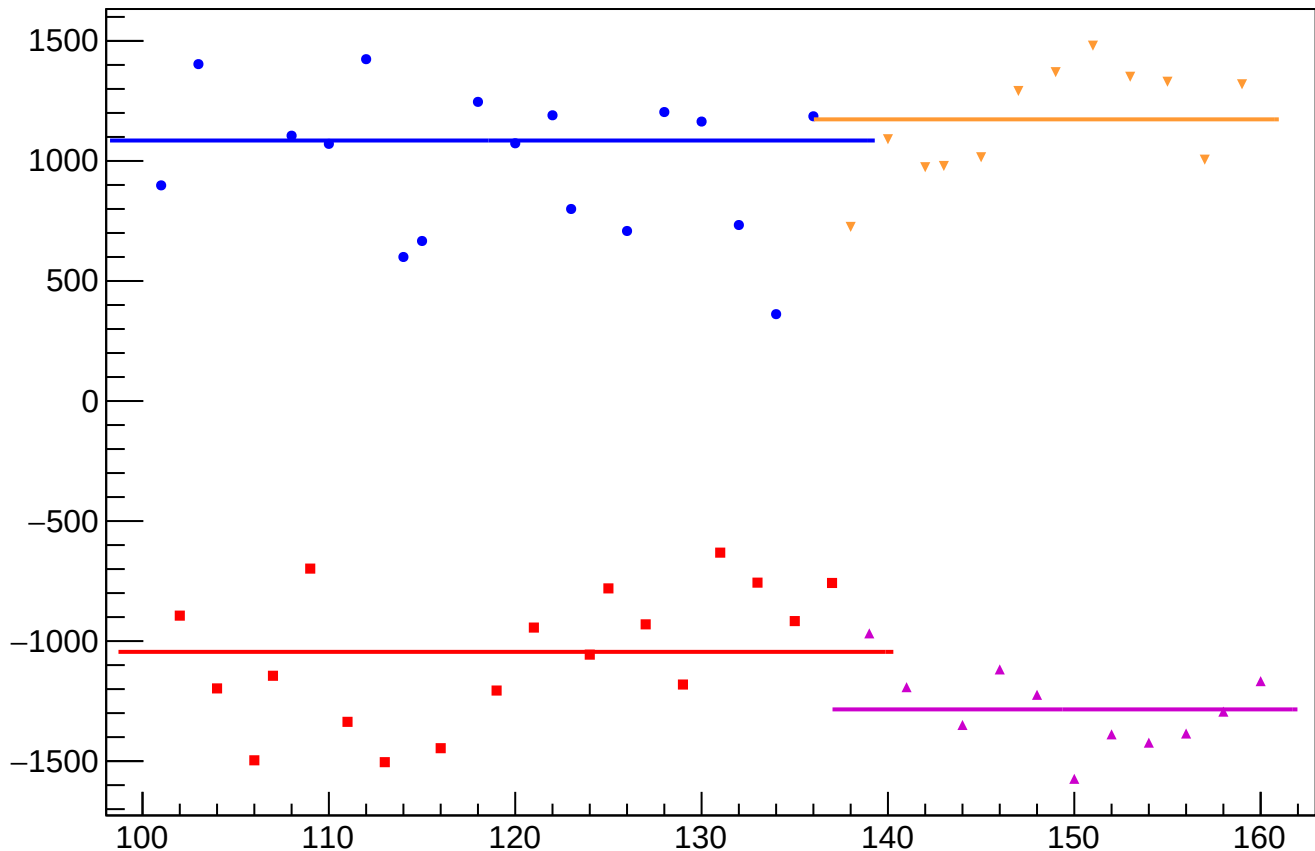
All: -208.649+/-0.000 χ^2/NDF : 97510545741

dit_atl1_coil4_err_mean vs Slug, Sign Corrected



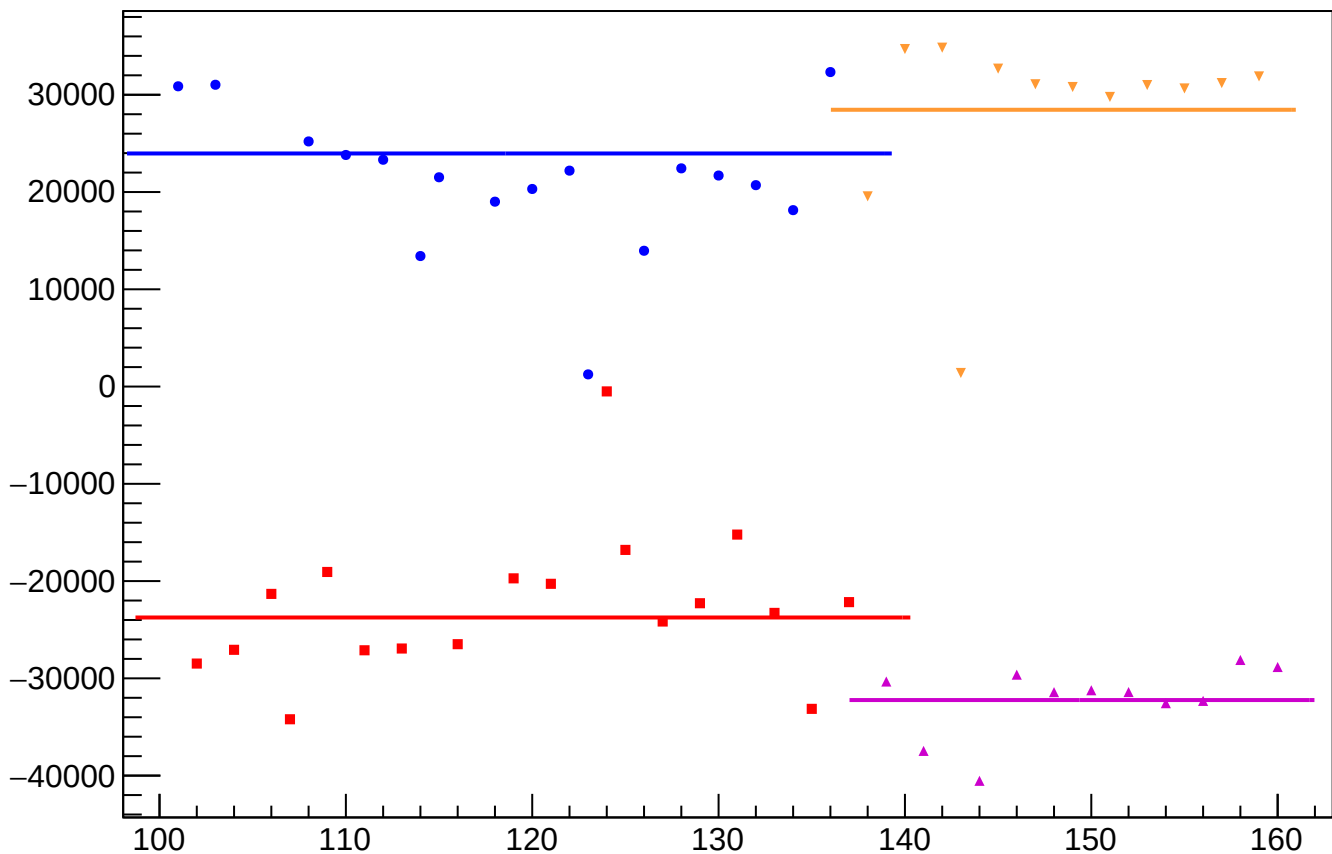
Right In: 574.655+/-0.000 χ^2/NDF : 199698400452439530730016550179978608640.0/16
 Left Out: 415.289+/-0.000 χ^2/NDF : 9749177635603258088647624710302990336.0/11
 Right Out: -1140.608+/-0.000 χ^2/NDF : 2013558101221942862779211693423515926528.0/17
 Left In: -404.849+/-0.000 χ^2/NDF : 8121817838558046042338349225347121152.0/10
 All: -128.253+/-0.000 χ^2/NDF : 36467276883

dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_atl2_coil4_mean vs Slug, Sign Corrected



Right In: 23965.147+/-0.000

Left: -2282.243+/-0.000 χ^2 /NDF: 22982900561545593794269983567622080299008.0/16

Left Out: 28458.038+/-0.000

Right: -244.715+/-0.000 χ^2 /NDF: 85050414174133

Right Out: -23743.519+/-0.000

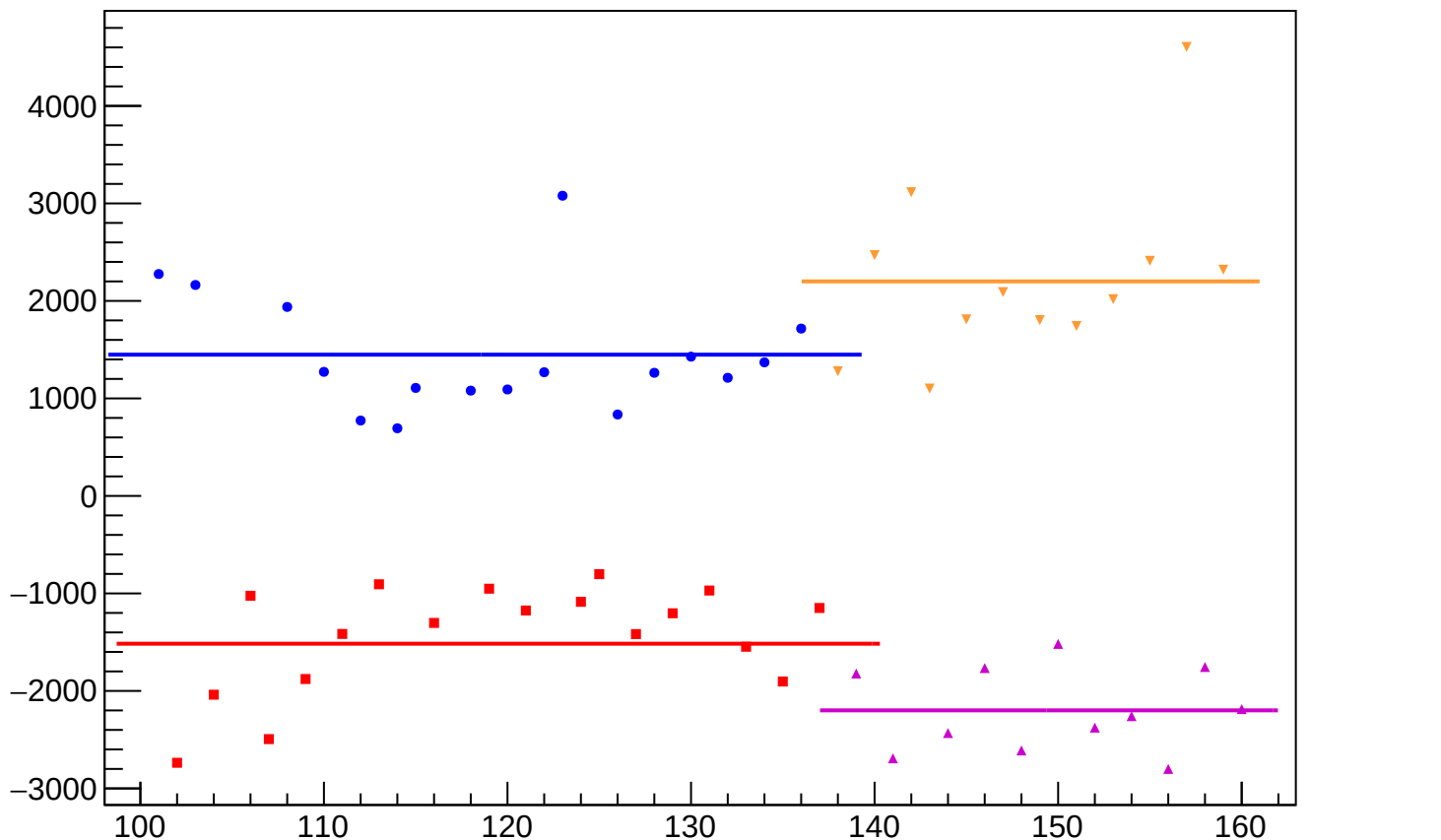
In: -8260.870+/-0.000 χ^2 /NDF: 129168623898544

Left In: -32231.777+/-0.000

Out: 5475.210+/-0.000 χ^2 /NDF: 118177711677927

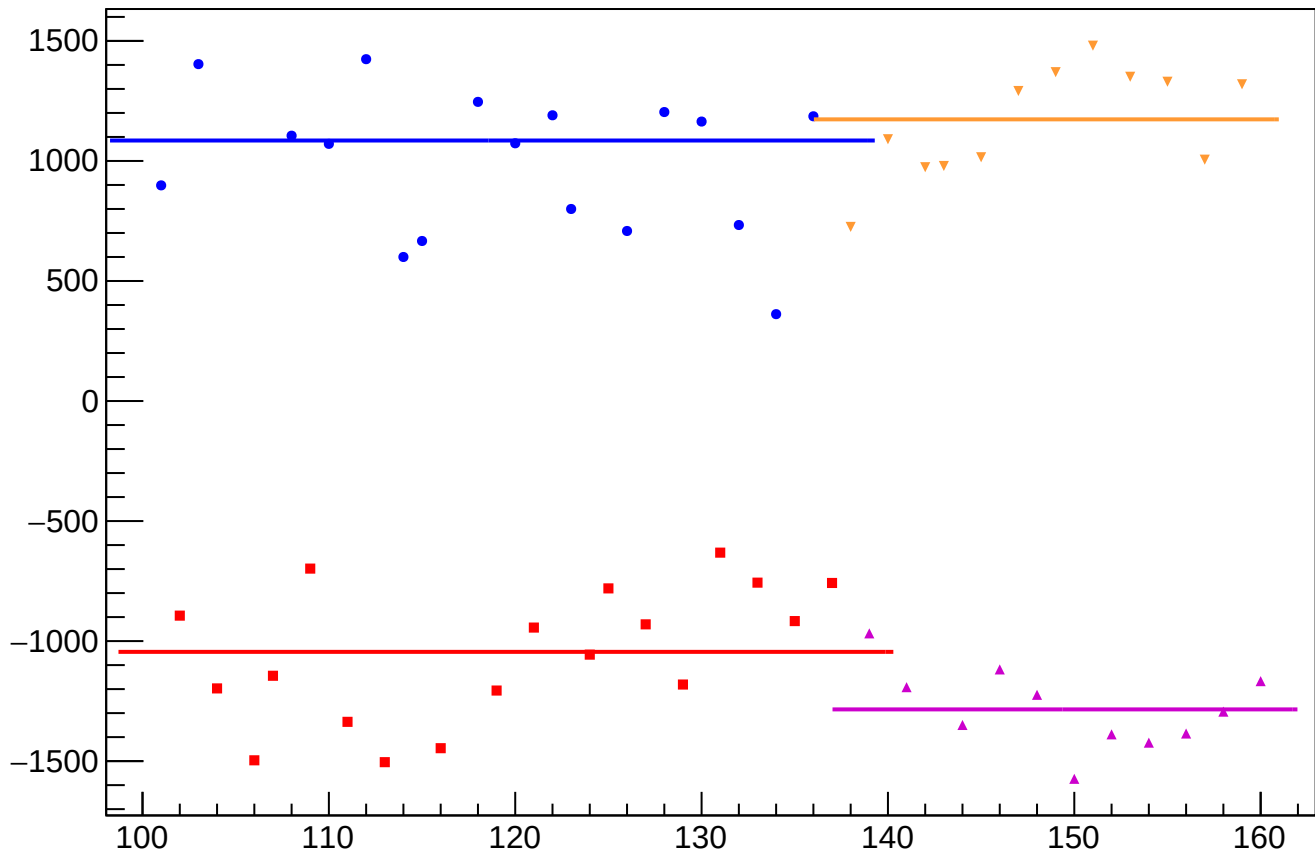
All: -1399.168+/-0.000 χ^2 /NDF: 2626812808

dit_atl2_coil4_err_mean vs Slug, Sign Corrected



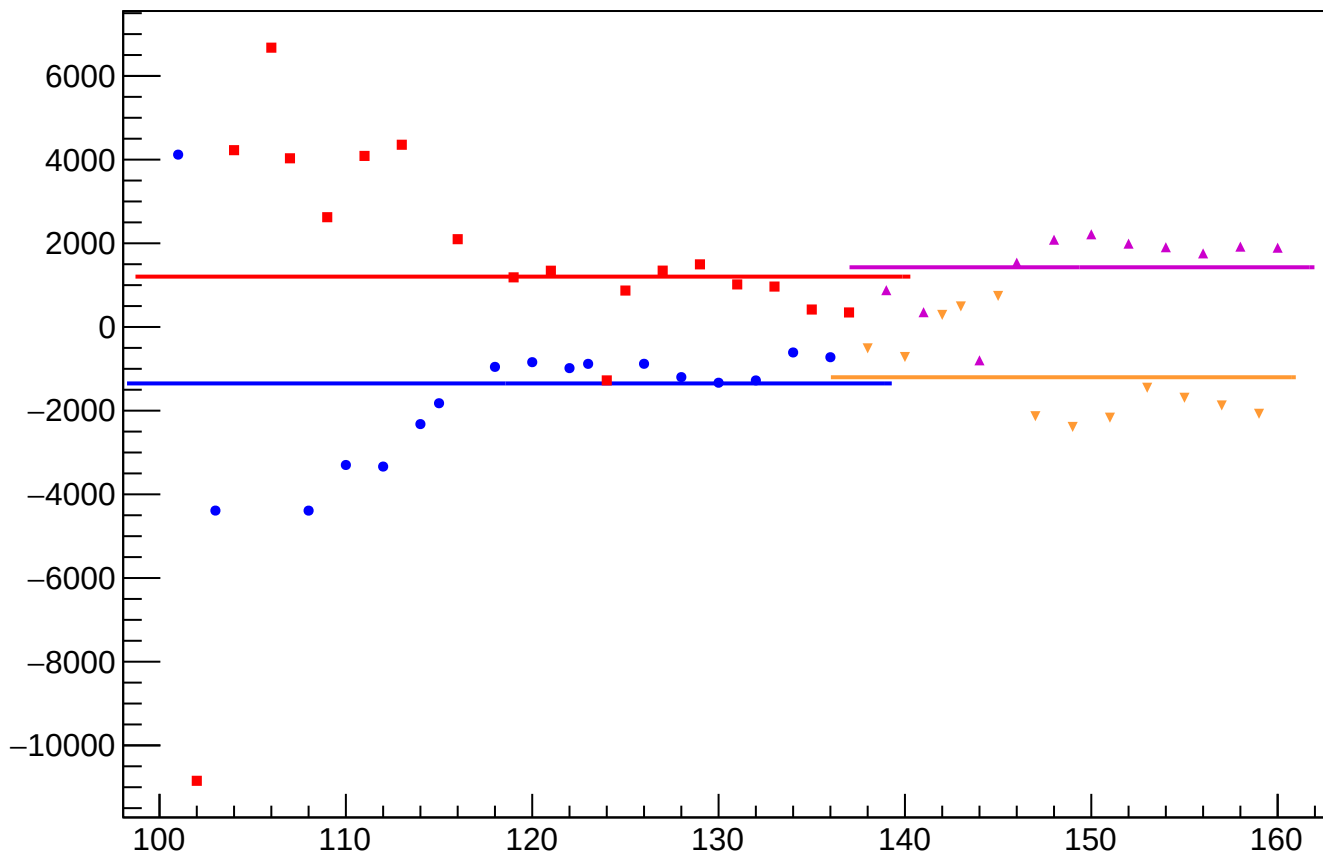
Right In: 1448.784+/-0.000 χ^2/NDF : 161243667372586677805499102921584803840.0/16
 Left Out: 2200.167+/-0.000 χ^2/NDF : 669096191562201912337665879605187182592.0/11
 Right Out: -1515.702+/-0.000 χ^2/NDF : 234412516405982646618467253110689497088.0/17
 Left In: -2199.283+/-0.000 χ^2/NDF : 156934506780582925441007438753813233664.0/10
 All: -40.065+/-0.000 χ^2/NDF : 132287661169

dit_atl2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_atr1_coil4_mean vs Slug, Sign Corrected



Right In: -1349.176+/-0.000

χ^2/NDF : 3084941184045918680057306663363310256128.0/16

Left Out: -1201.551+/-0.000

χ^2/NDF : 1022278799851765665232545195889702993920.0/11

Right Out: 1203.612+/-0.000

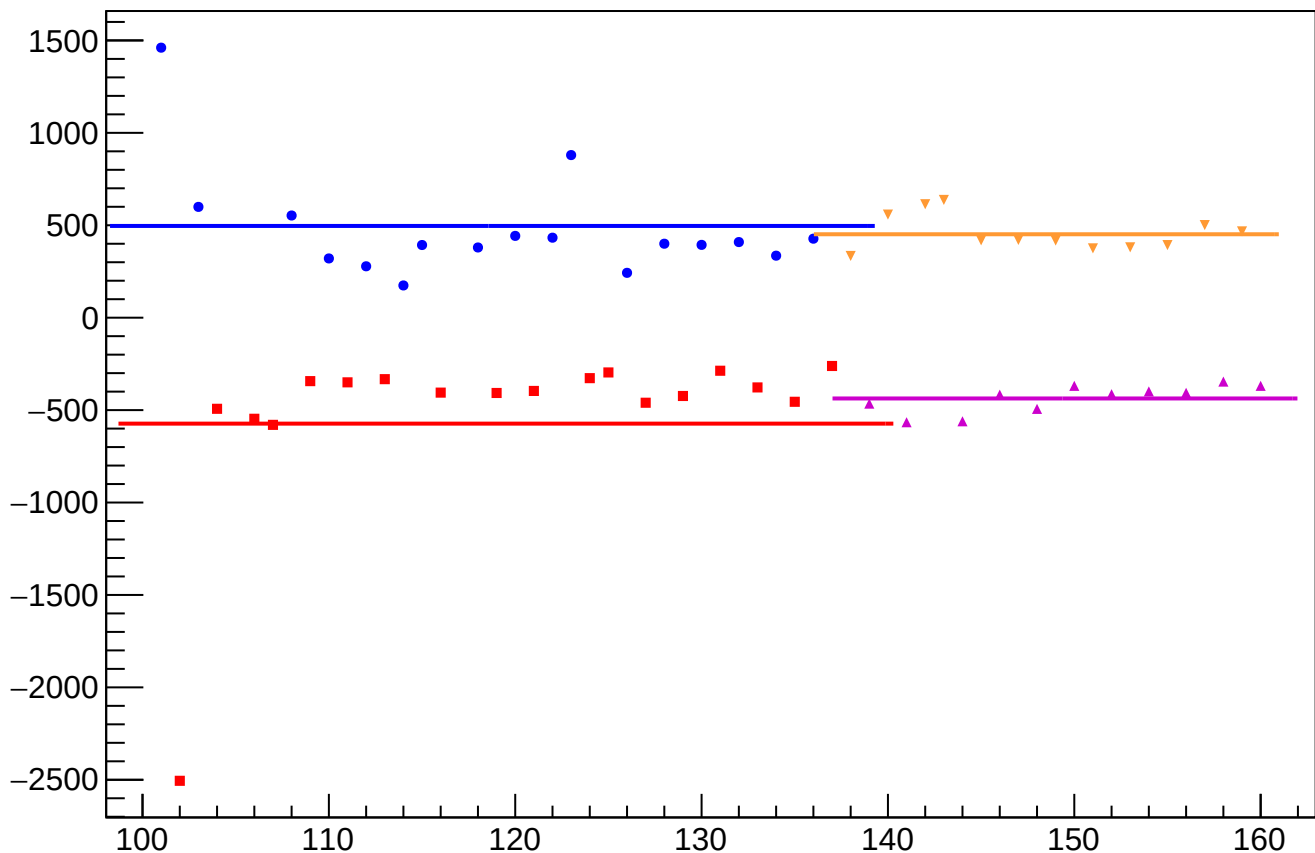
χ^2/NDF : 11193438968454164485978999260490441424896.0/17

Left In: 1427.044+/-0.000

χ^2/NDF : 751413830478220555131206140402736300032.0/10

All: 50.285+/-0.000 χ^2/NDF : 2155528916181

dit_atr1_coil4_err_mean vs Slug, Sign Corrected



Right In: 496.351+/-0.000

χ^2/NDF : 66983748455015205041159290240142147584.0/16

Left Out: 451.374+/-0.000

χ^2/NDF : 7134946740505986037701205636285464576.0/11

Right Out: -573.168+/-0.000

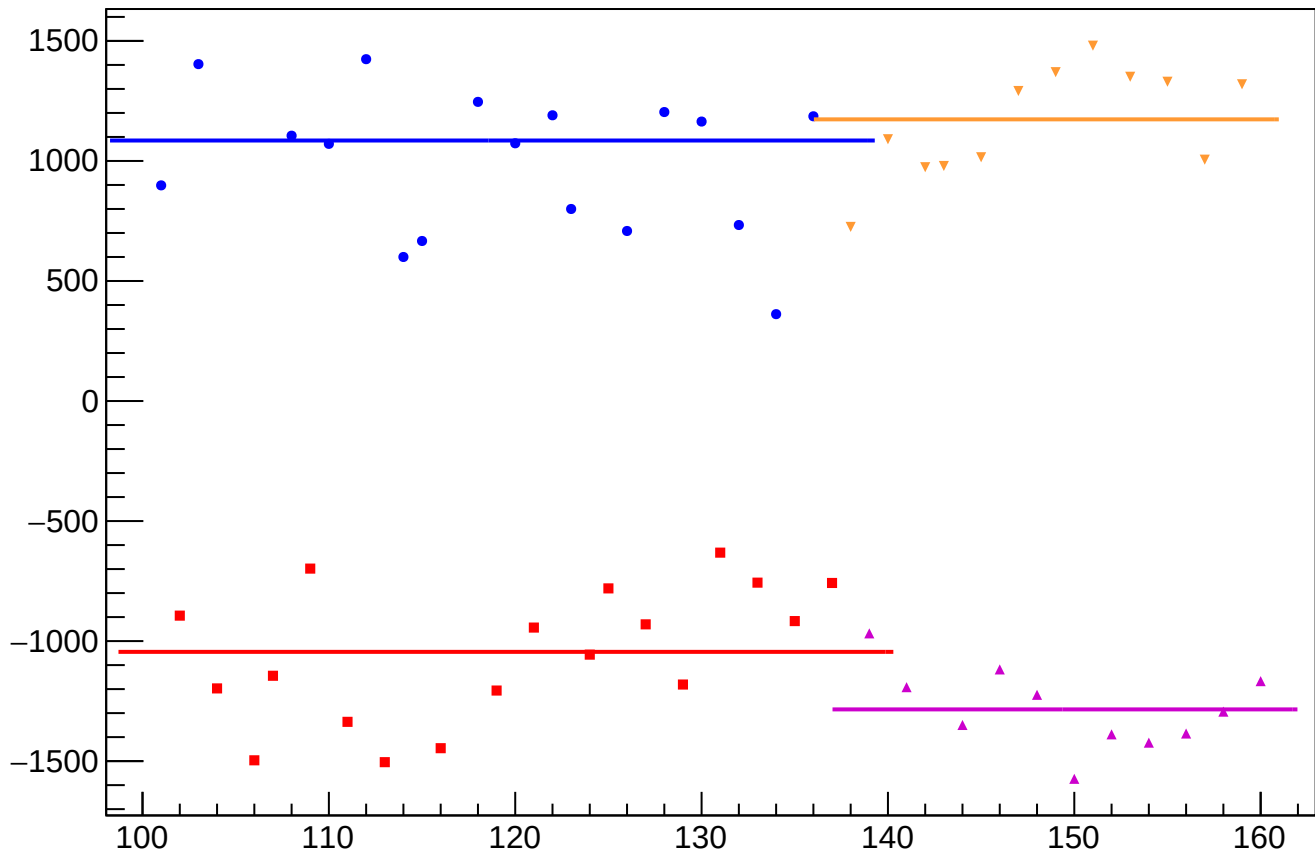
χ^2/NDF : 240073229917698868720276393416726675456.0/17

Left In: -437.047+/-0.000

χ^2/NDF : 4864659833143539285467190686845501440.0/10

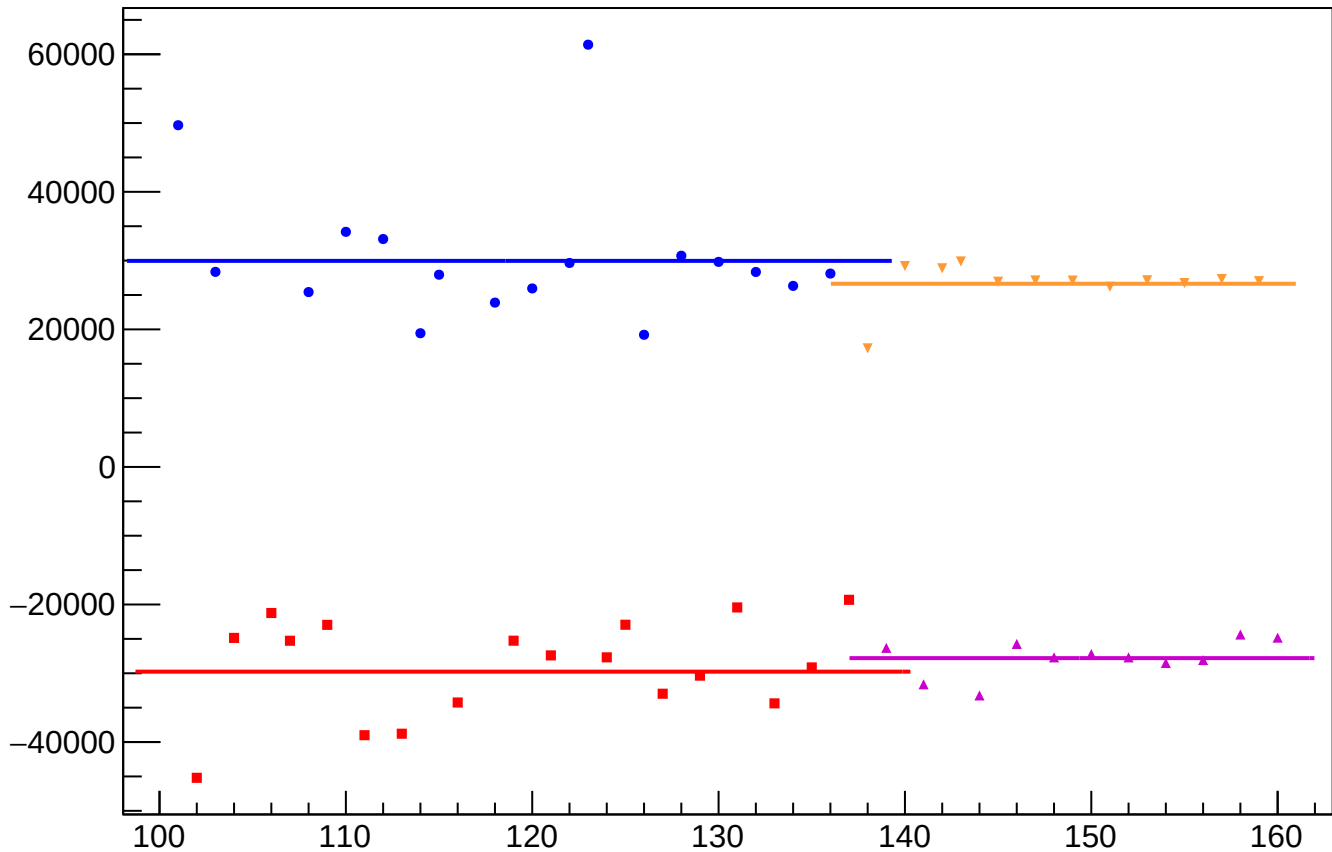
All: -19.321+/-0.000 χ^2/NDF : 108712362073

dit_atr1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_atr2_coil4_mean vs Slug, Sign Corrected



Right In: 29960.563+/-0.000

χ^2/NDF : 38272709086570322906485359352807285587968.0/16

Left Out: 26632.417+/-0.000

χ^2/NDF : 8490243568880868958289706883488159891456.0/11

Right Out: -29764.245+/-0.000

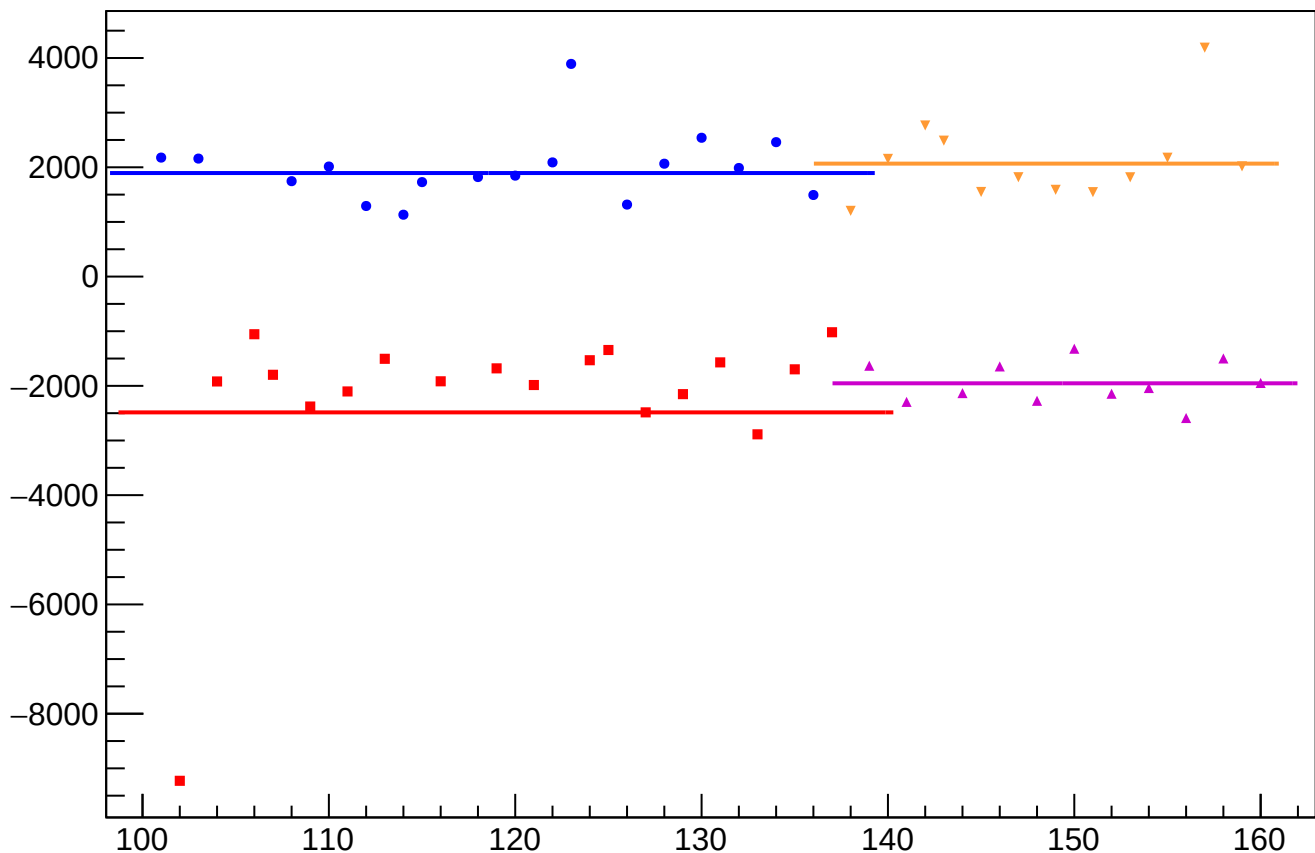
χ^2/NDF : 38095124017741211444799459233695721848832.0/17

Left In: -27798.105+/-0.000

χ^2/NDF : 6158980585091942758745963697527175774208.0/10

All: -681.504+/-0.000 χ^2/NDF : 27115939878

dit_atr2_coil4_err_mean vs Slug, Sign Corrected



Right In: 1894.762 +/- 0.000

χ^2/NDF : 112136505207273757562412234872415322112.0/16

Left Out: 2067.096 +/- 0.000

χ^2/NDF : 498951714500530031712915611537190682624.0/11

Right Out: -2485.438 +/- 0.000

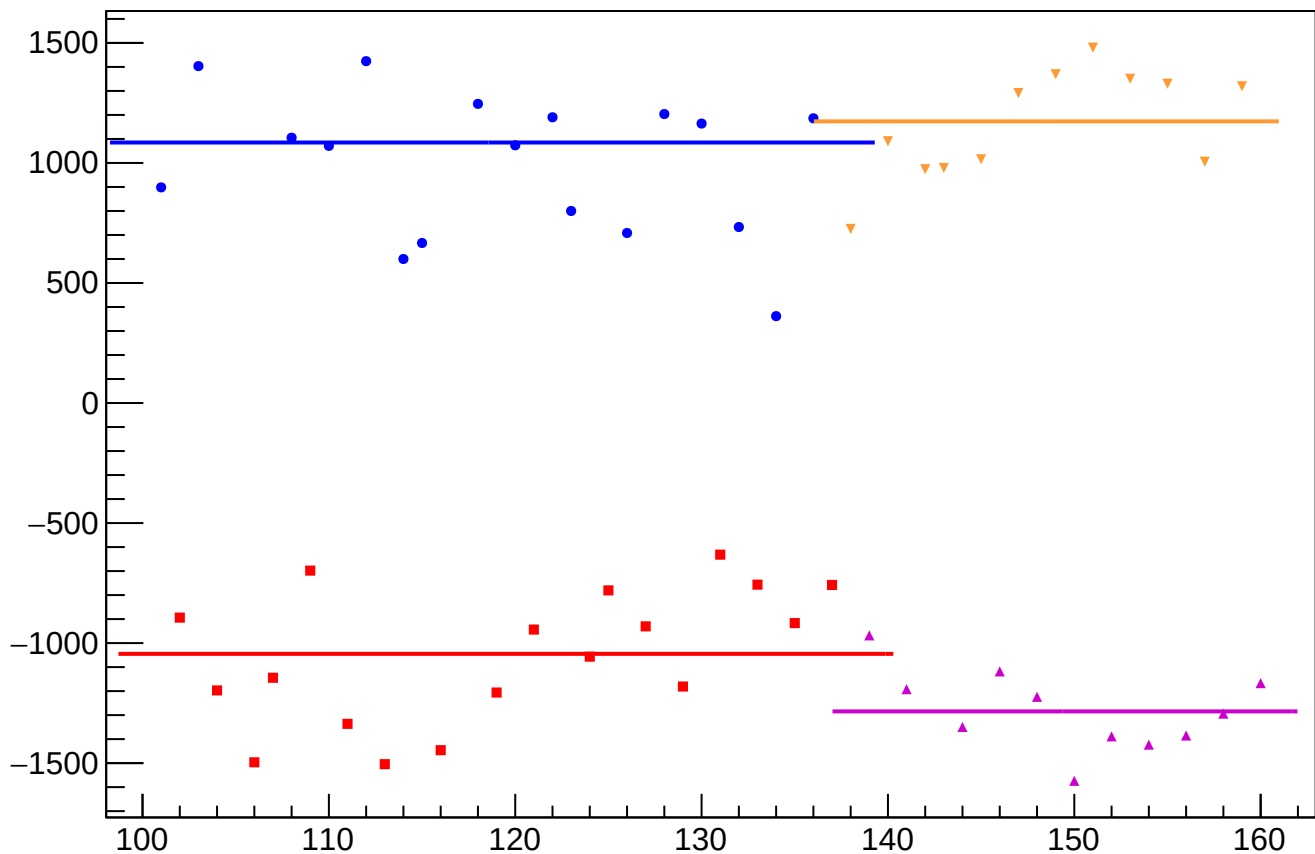
χ^2/NDF : 3007798896738182941908815432963258843136.0/17

Left In: -1953.340 +/- 0.000

χ^2/NDF : 126893636747608035073836069635988914176.0/10

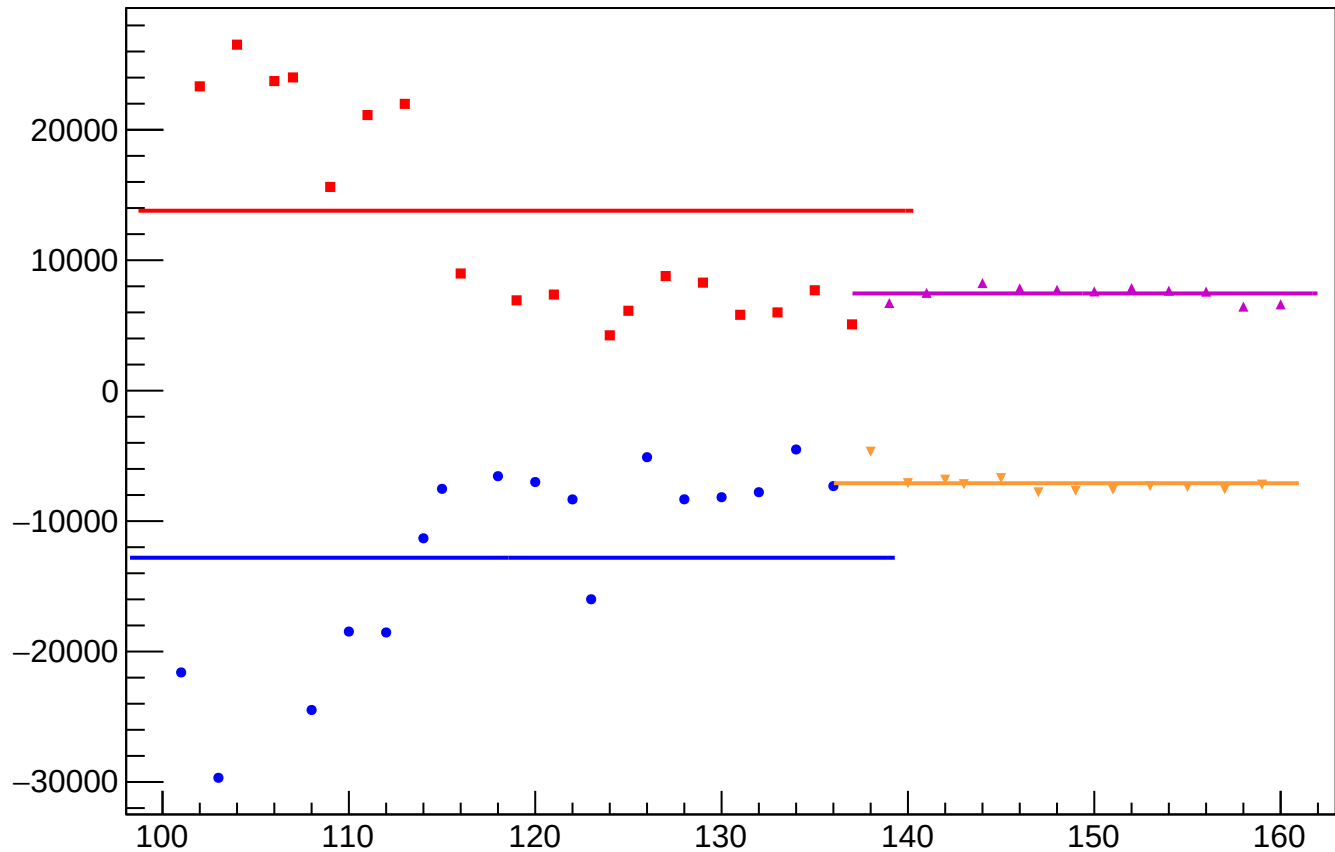
All: -124.761 +/- 0.000 χ^2/NDF : 18047516215

dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam1_coil4_mean vs Slug, Sign Corrected



Right In: -12807.543+/-0.000

χ^2/NDF : 43495419642384540327712467114015835815936.0/16

Left Out: -7096.329+/-0.000

χ^2/NDF : 584722053171334285321257985594368196608.0/11

Right Out: 13794.471+/-0.000

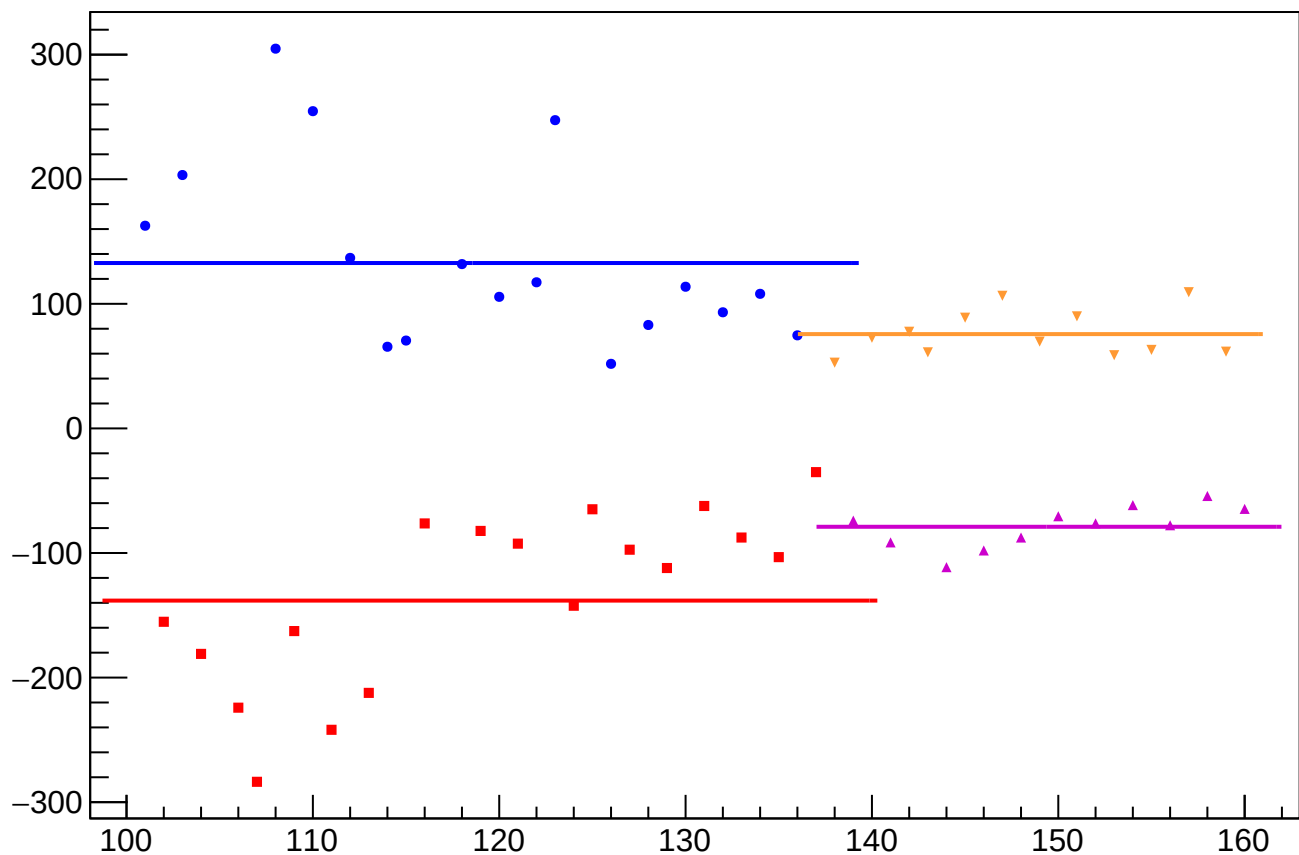
χ^2/NDF : 44540762371856662603320518030739625738240.0/17

Left In: 7453.581+/-0.000

χ^2/NDF : 281861545149716894658296806870620307456.0/10

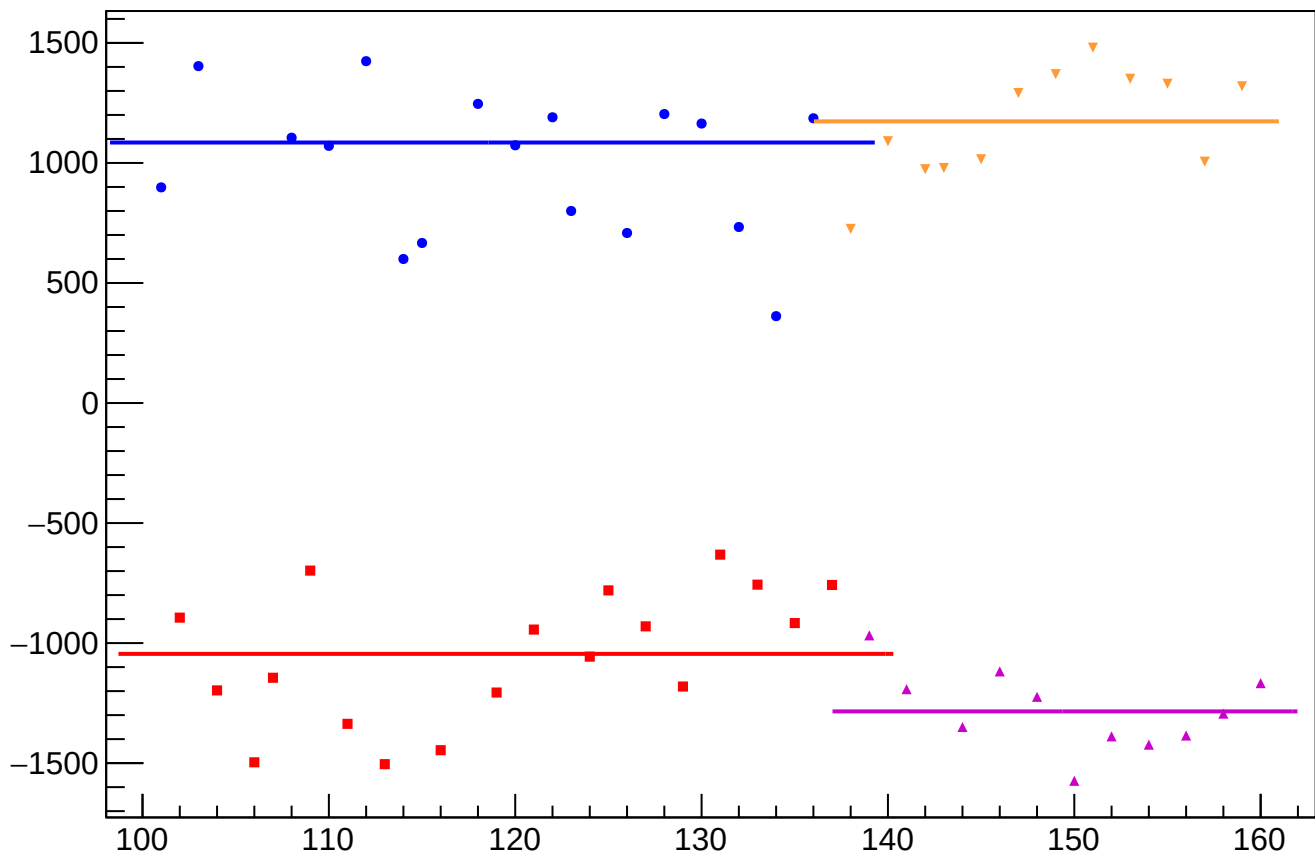
Left: 273.414+/-0.000 χ^2/NDF : 9833783800692671
 Right: 691.705+/-0.000 χ^2/NDF : 337256561899080
 In: -1188.840+/-0.000 χ^2/NDF : 207150417799296
 Out: 2101.283+/-0.000 χ^2/NDF : 219785724716291
 All: 454.703+/-0.000 χ^2/NDF : 435734081943

dit_sam1_coil4_err_mean vs Slug, Sign Corrected



Left: -2.638 ± 0.000 $\chi^2/\text{NDF}: 11556362420616820$
 Right In: 132.743 ± 0.000 $\chi^2/\text{NDF}: 2974792347641490027349453247875121152.0/16$
 Right: -4.751 ± 0.000 $\chi^2/\text{NDF}: 3190255786857063$
 Left Out: 75.694 ± 0.000 $\chi^2/\text{NDF}: 299041397812904543240527879931428864.0/11$
 In: 11.346 ± 0.000 $\chi^2/\text{NDF}: 210560879125943653$
 Right Out: -138.207 ± 0.000 $\chi^2/\text{NDF}: 3073549318432471040798146297277186048.0/17$
 Out: -18.480 ± 0.000 $\chi^2/\text{NDF}: 2168337738862488$
 Left In: -78.954 ± 0.000 $\chi^2/\text{NDF}: 245917130698538374305589687150968832.0/10$
 All: -3.553 ± 0.000 $\chi^2/\text{NDF}: 4346248611398$

dit_sam1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000

χ^2/NDF : 44603059371113642027482174752630505472.0/16

Left Out: 1173.287+/-0.000

χ^2/NDF : 42540290412411971649148526900629471232.0/11

Right Out: -1044.852+/-0.000

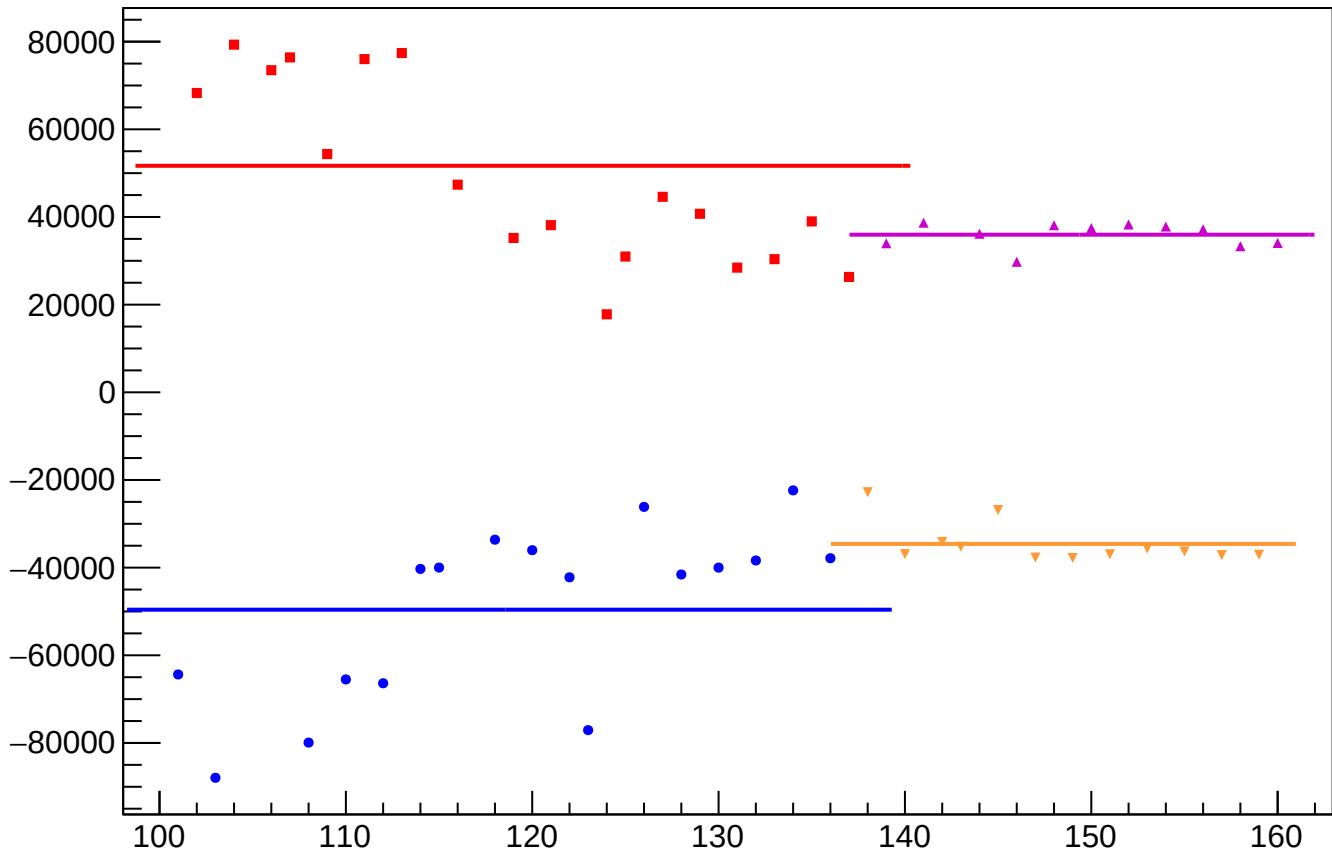
χ^2/NDF : 50845956393664427375382832394046275584.0/17

Left In: -1284.540+/-0.000

χ^2/NDF : 24056417049221053484728394918859374592.0/10

Left: -71.638+/-0.000 χ^2/NDF : 2847965876858153
 Right: 4.294+/-0.000 χ^2/NDF : 16932734928141311
 In: -273.729+/-0.000 χ^2/NDF : 2303517069122456
 Out: 196.705+/-0.000 χ^2/NDF : 2062457208179950
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam2_coil4_mean vs Slug, Sign Corrected



Right In: -49596.405+/-0.000

Left Out: -34593.901+/-0.000

Right Out: 51680.980+/-0.000

Left In: 35959.420+/-0.000

χ^2/NDF : 248313182325102448289525934605791330828288.0/16

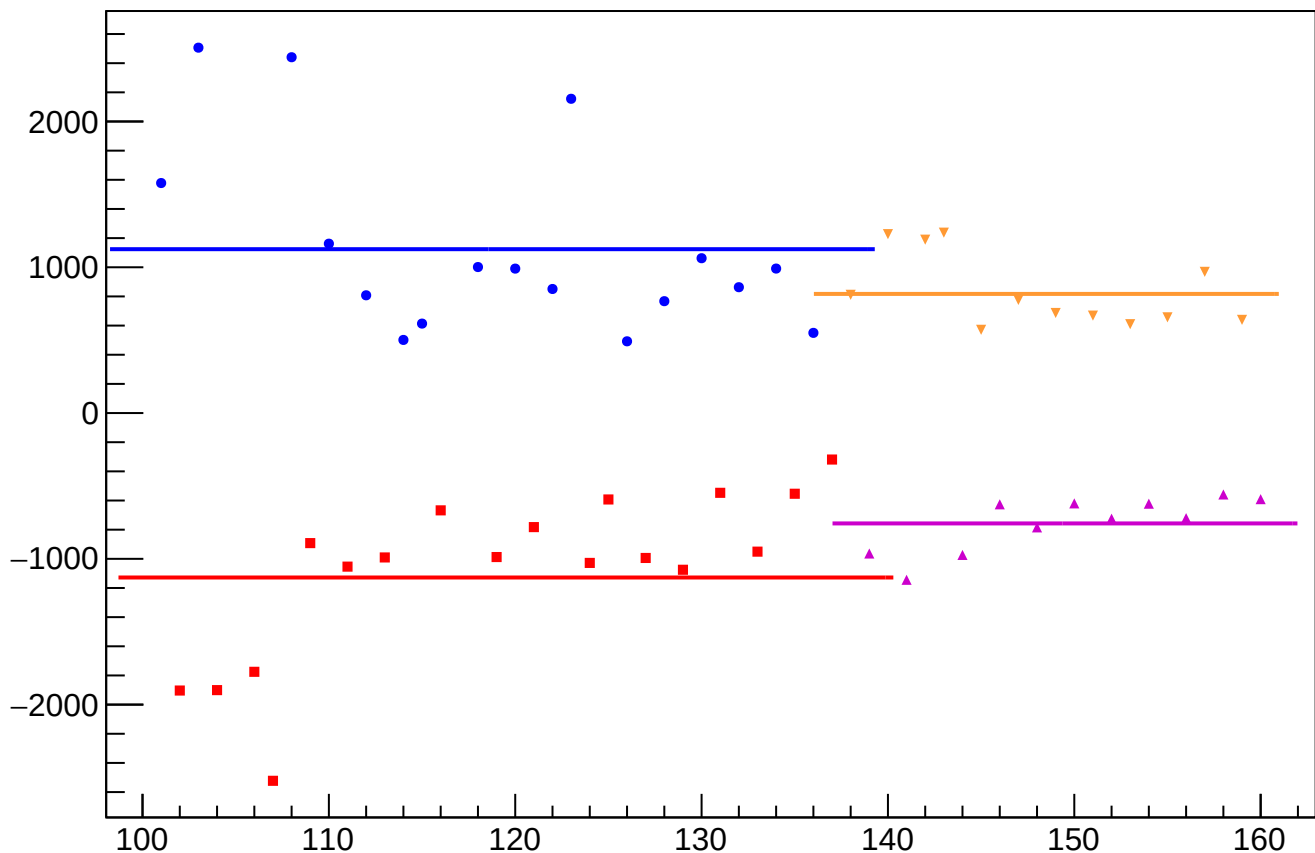
χ^2/NDF : 19332238764834112124747040225536159776768.0/11

χ^2/NDF : 268094403741805330481600683125097153691648.0/17

χ^2/NDF : 6460763561716039047552359643495482261504.0/10

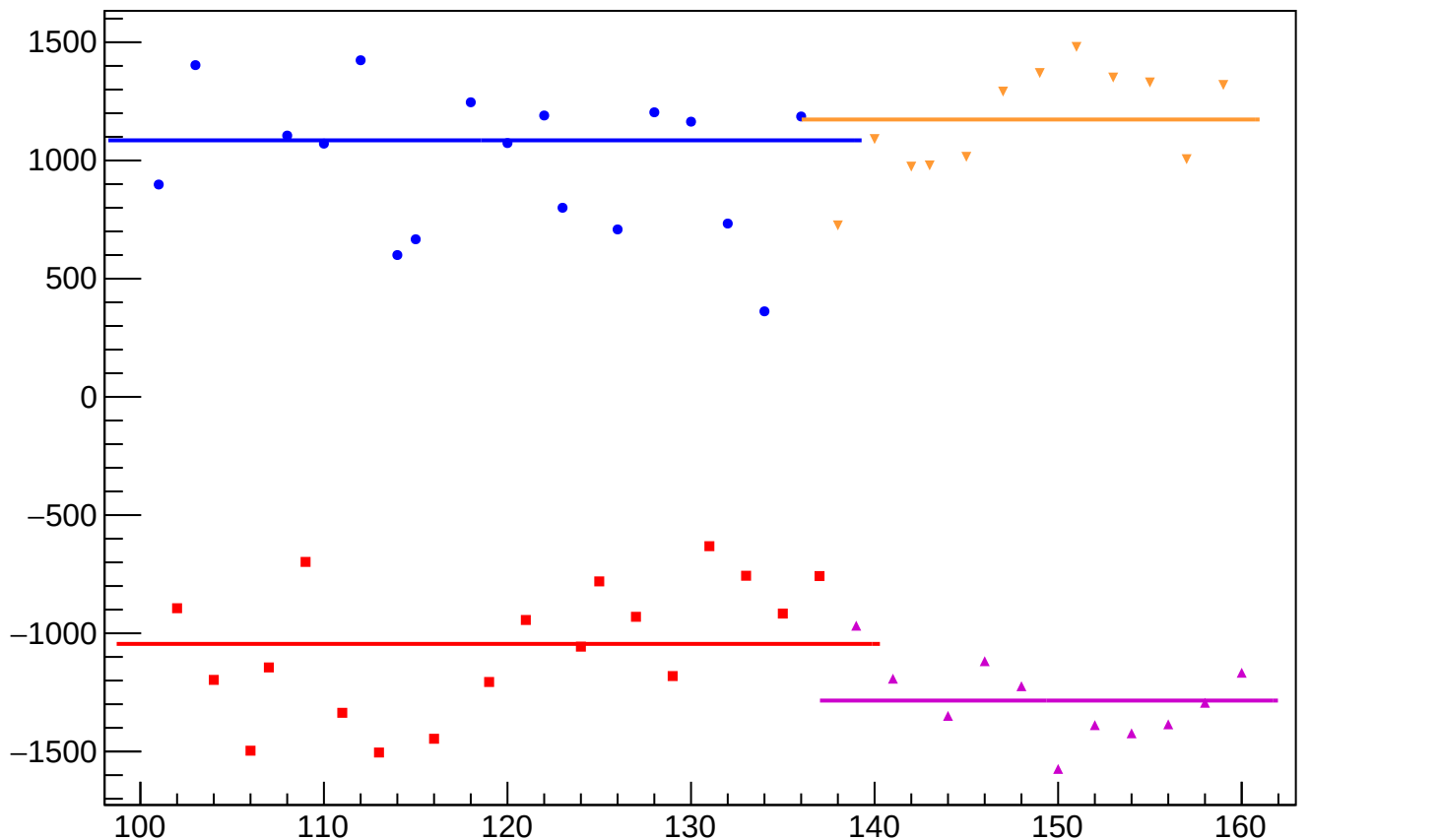
All: 1426.108+/-0.000 χ^2/NDF : 64466810883

dit_sam2_coil4_err_mean vs Slug, Sign Corrected



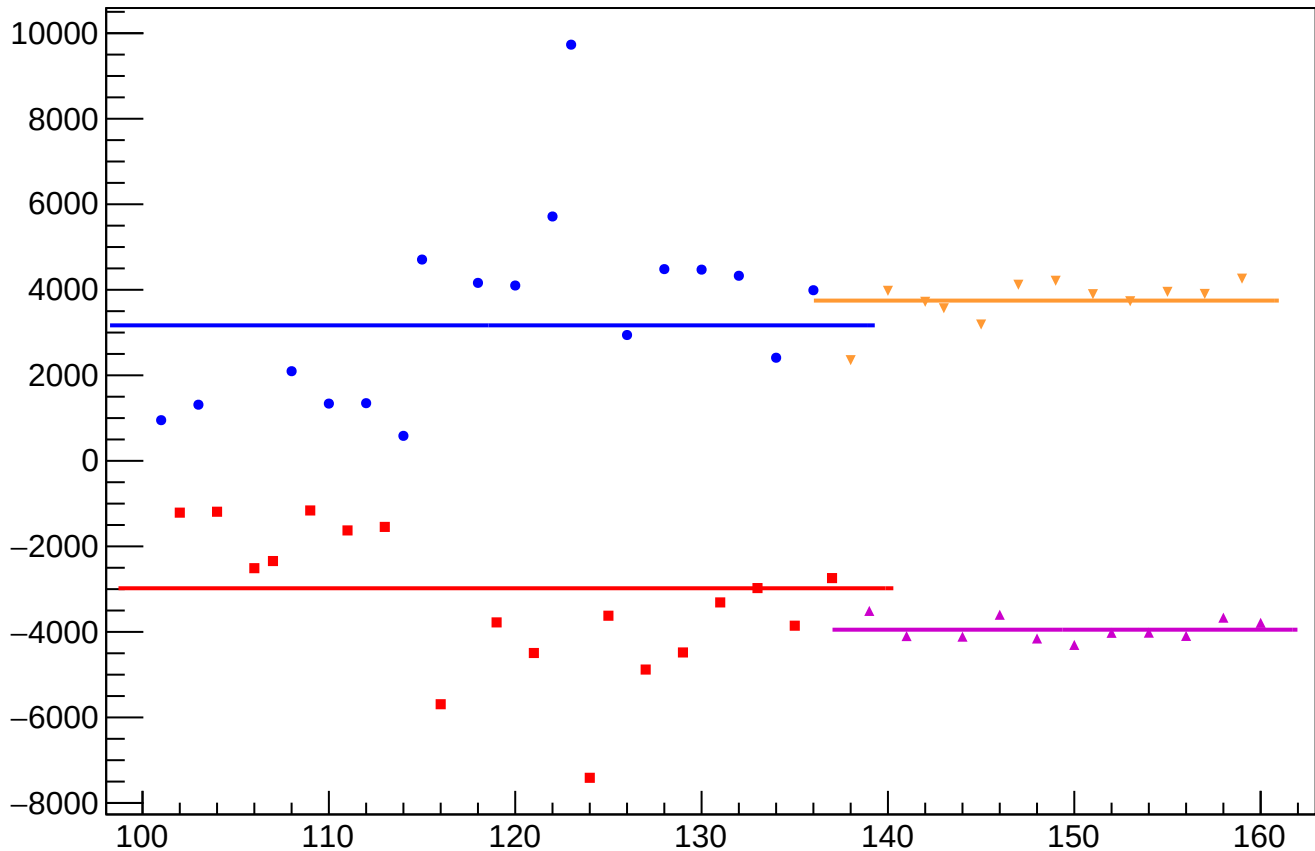
Left: 19.808+/-0.000 χ^2/NDF : 12219716222739218
 Right In: 1124.063+/-0.000 χ^2/NDF : 267842110554403806997651522470490931200.0/16
 Right: -18.777+/-0.000 χ^2/NDF : 227074266812784
 Left Out: 817.239+/-0.000 χ^2/NDF : 49942482269119198529888239758950268928.0/11
 In: 45.308+/-0.000 χ^2/NDF : 170703212048580297
 Right Out: -1128.051+/-0.000 χ^2/NDF : 216680110329654752465971394746324615168.0/17
 Out: -39.215+/-0.000 χ^2/NDF : 1781064318576625
 Left In: -757.110+/-0.000 χ^2/NDF : 30838574623639063731513645765836668928.0/10
 All: 3.085+/-0.000 χ^2/NDF : 34939028528158

dit_sam2_coil4_Ndata_mean vs Slug, Sign Corrected



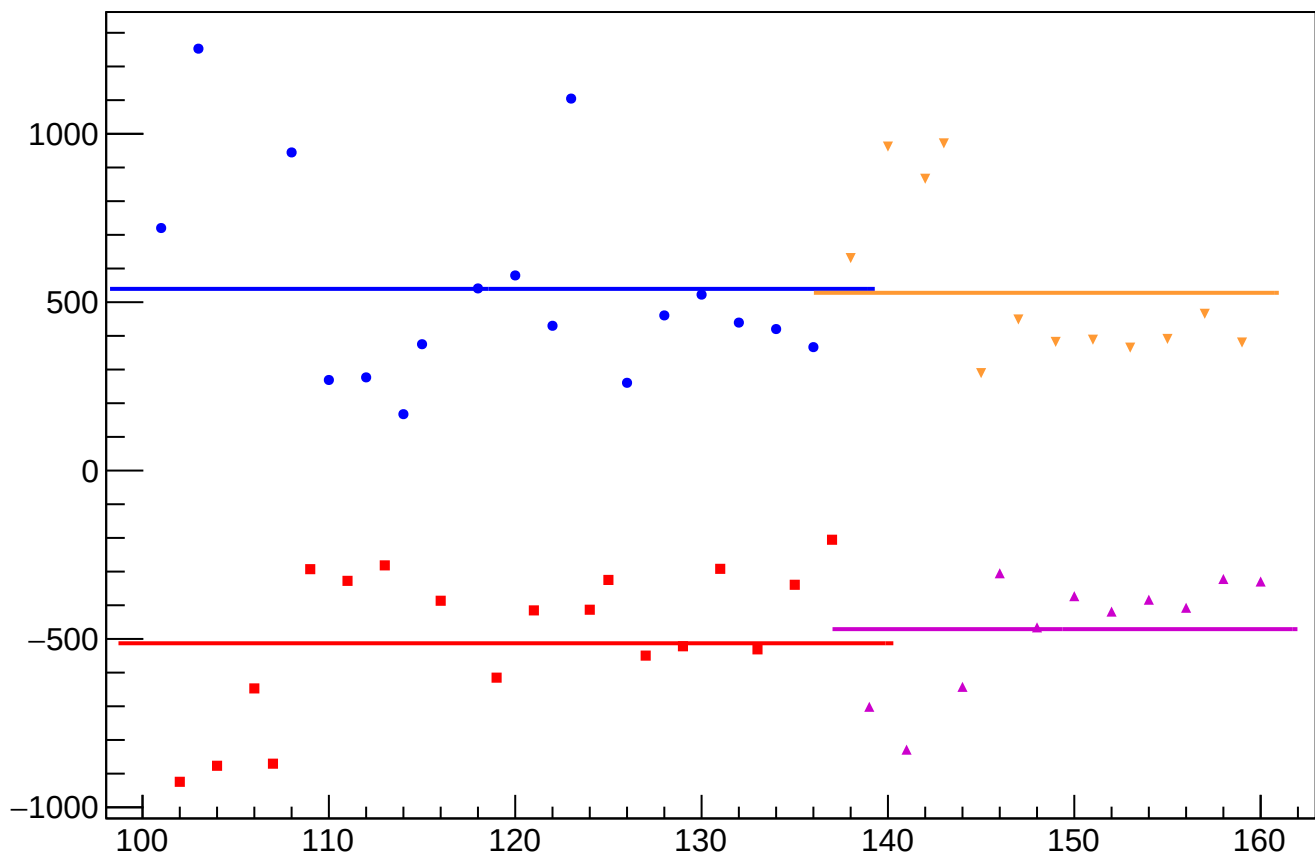
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam3_coil4_mean vs Slug, Sign Corrected



Right In: 3168.399 $\pm$ 0.000 χ^2 /NDF: 1758554525431486031573031760874625302528.0/16
 Left Out: 3747.596 $\pm$ 0.000 χ^2 /NDF: 238995509272824091169755194048479494144.0/11
 Right Out: -2979.505 $\pm$ 0.000 χ^2 /NDF: 1604891244832822830292138533265256480768.0/17
 Left In: -3948.419 $\pm$ 0.000 χ^2 /NDF: 56222692399509421042001989393274896384.0/10
 All: -64.222 $\pm$ 0.000 χ^2 /NDF: 442714340176

dit_sam3_coil4_err_mean vs Slug, Sign Corrected



Right In: 539.553 +/- 0.000 χ^2/NDF : 54885482787684067638945528690813960192.0/16

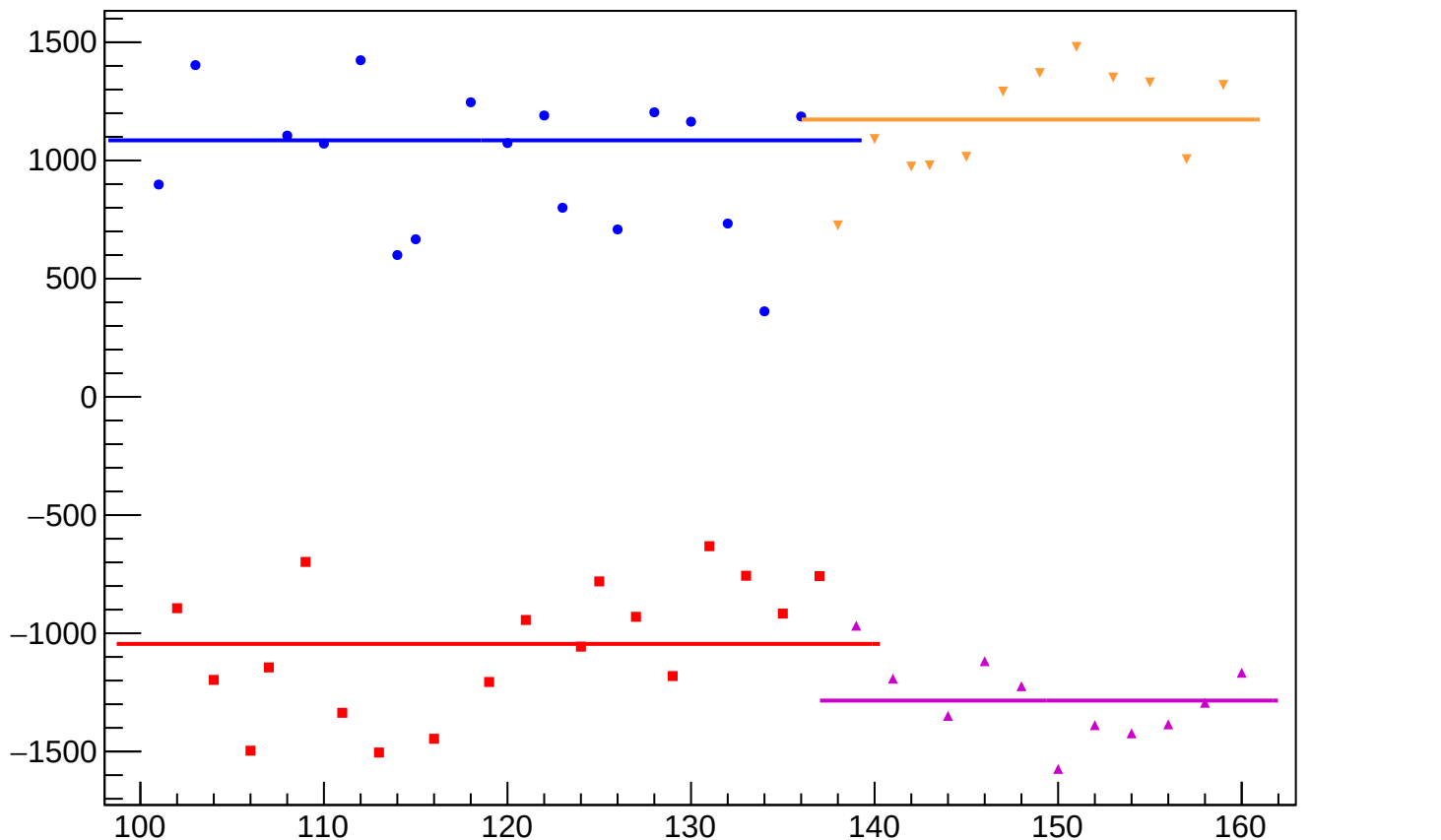
Left Out: 527.872 +/- 0.000 χ^2/NDF : 487501446117202302366636740746149888.0/11

Right Out: -512.868 +/- 0.000 χ^2/NDF : 36013592539821220444279901122721742848.0/17

Left In: -470.909 +/- 0.000 χ^2/NDF : 25659671763739065949342929962819125248.0/10

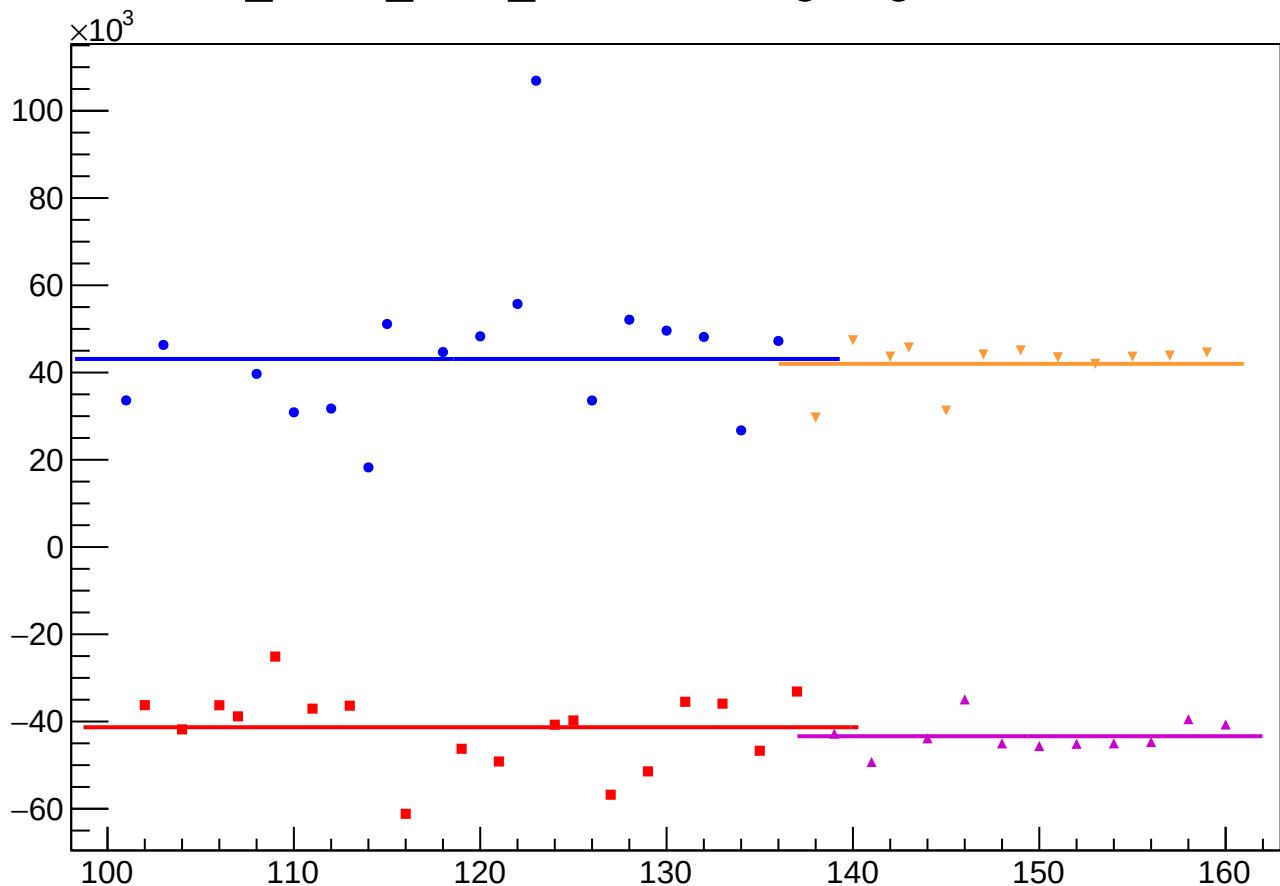
All: 14.834 +/- 0.000 χ^2/NDF : 1014887597497

dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected



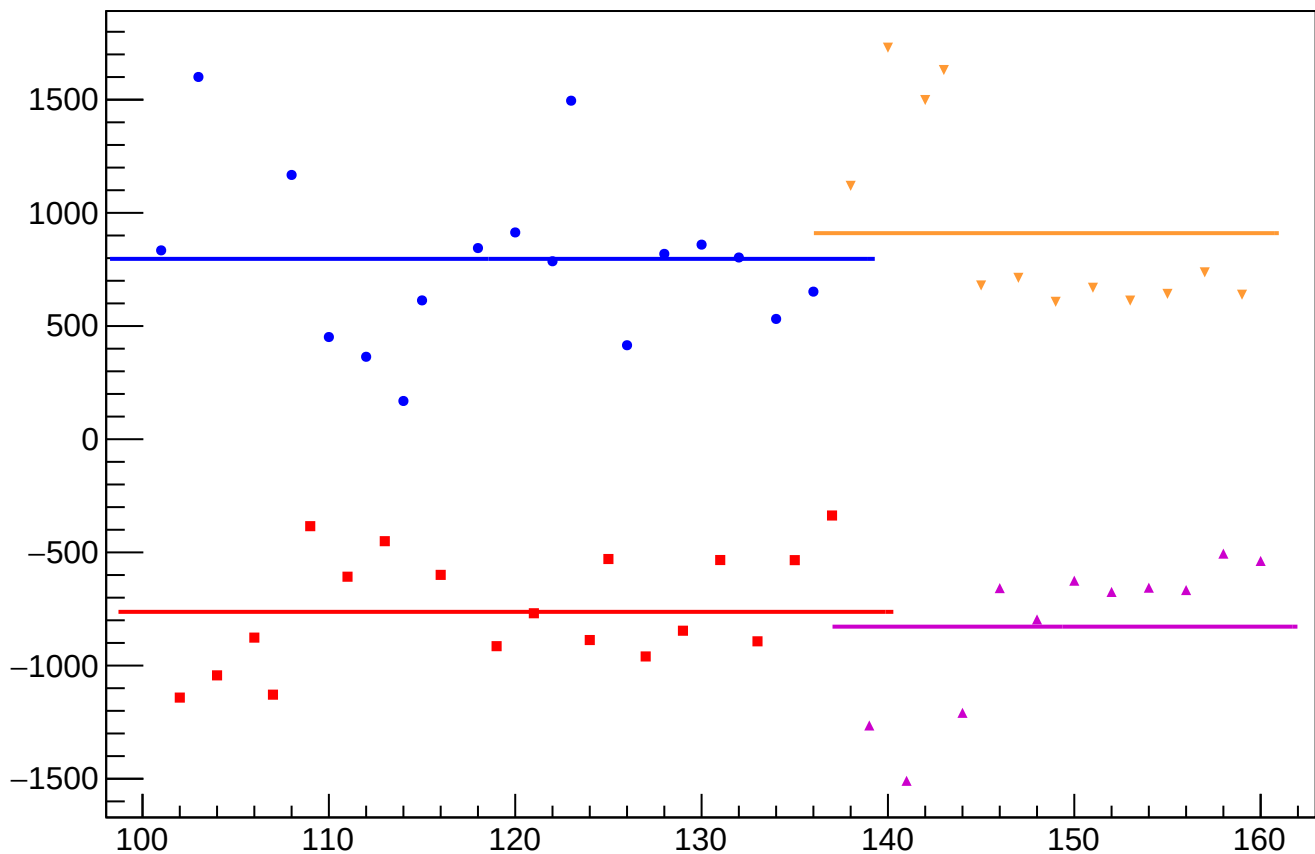
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam4_coil4_mean vs Slug, Sign Corrected



Right In: 43108.031 $\pm$ 0.000 χ^2 /NDF: 68611682581967867390827070514847106990080.0/16
 Left Out: 41988.937 $\pm$ 0.000 χ^2 /NDF: 26595625315184876661727332300070884212736.0/11
 Right Out: -41313.091 $\pm$ 0.000 χ^2 /NDF: 51625009130500845485657820618169448923136.0/17
 Left In: -43372.857 $\pm$ 0.000 χ^2 /NDF: 12091187656502960448848492579917477707776.0/10
 All: -590.839 $\pm$ 0.000 χ^2 /NDF: 60255874711

dit_sam4_coil4_err_mean vs Slug, Sign Corrected



Right In: 796.788+/-0.000

χ^2/NDF : 74155375401966789010322999397605965824.0/16

Left Out: 910.363+/-0.000

χ^2/NDF : 150023970715127091011215524166165856256.0/11

Right Out: -762.642+/-0.000

χ^2/NDF : 44999366783777016136570300173215858688.0/17

Left In: -828.047+/-0.000

χ^2/NDF : 96201297506087070099989263222619242496.0/10

Left: 29.833+/-0.000 χ^2/NDF : 16376525005232343

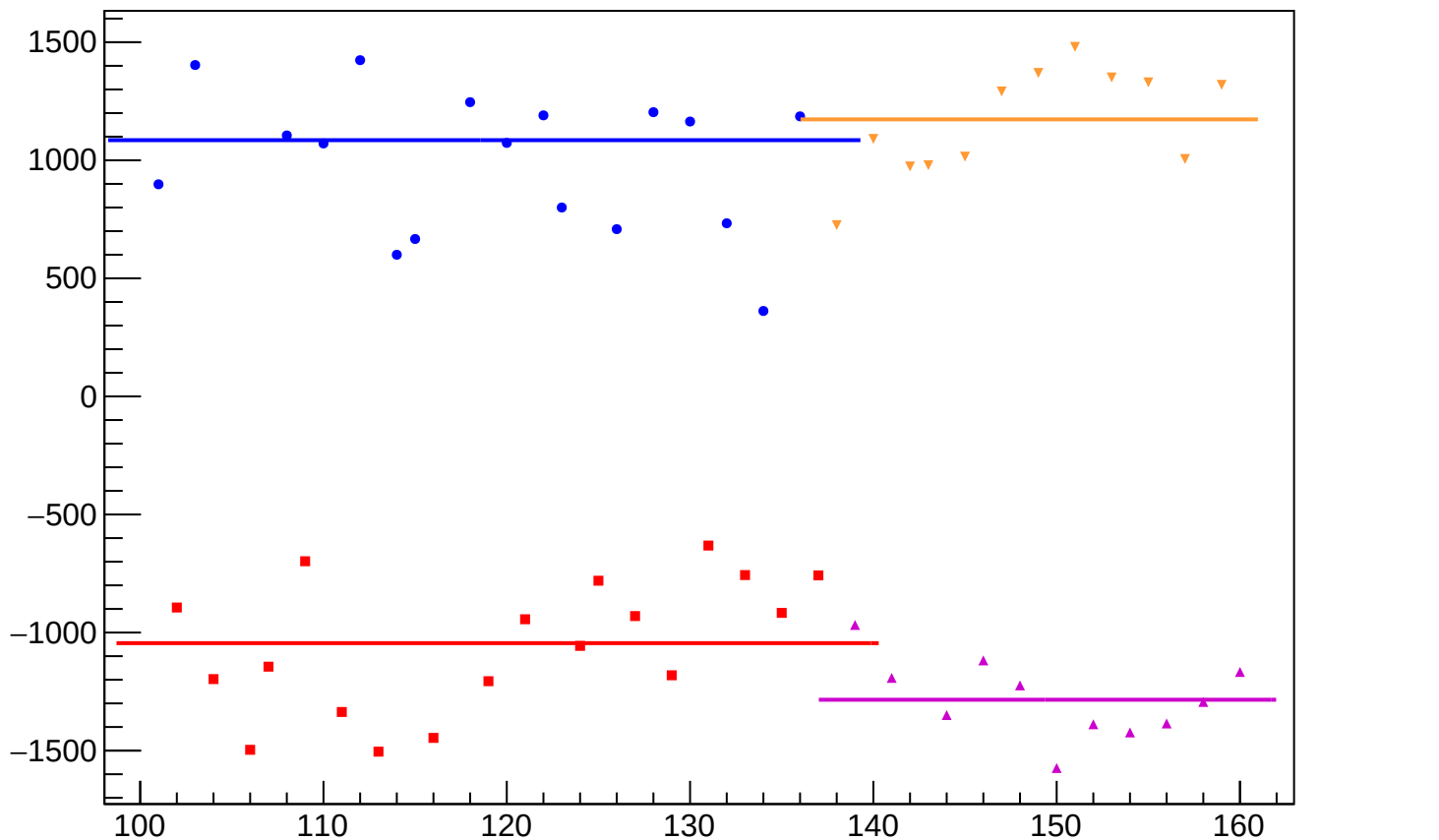
Right: 5.452+/-0.000 χ^2/NDF : 97557276782002116

In: -134.971+/-0.000 χ^2/NDF : 1221040409142343

Out: 173.788+/-0.000 χ^2/NDF : 1315178496887645

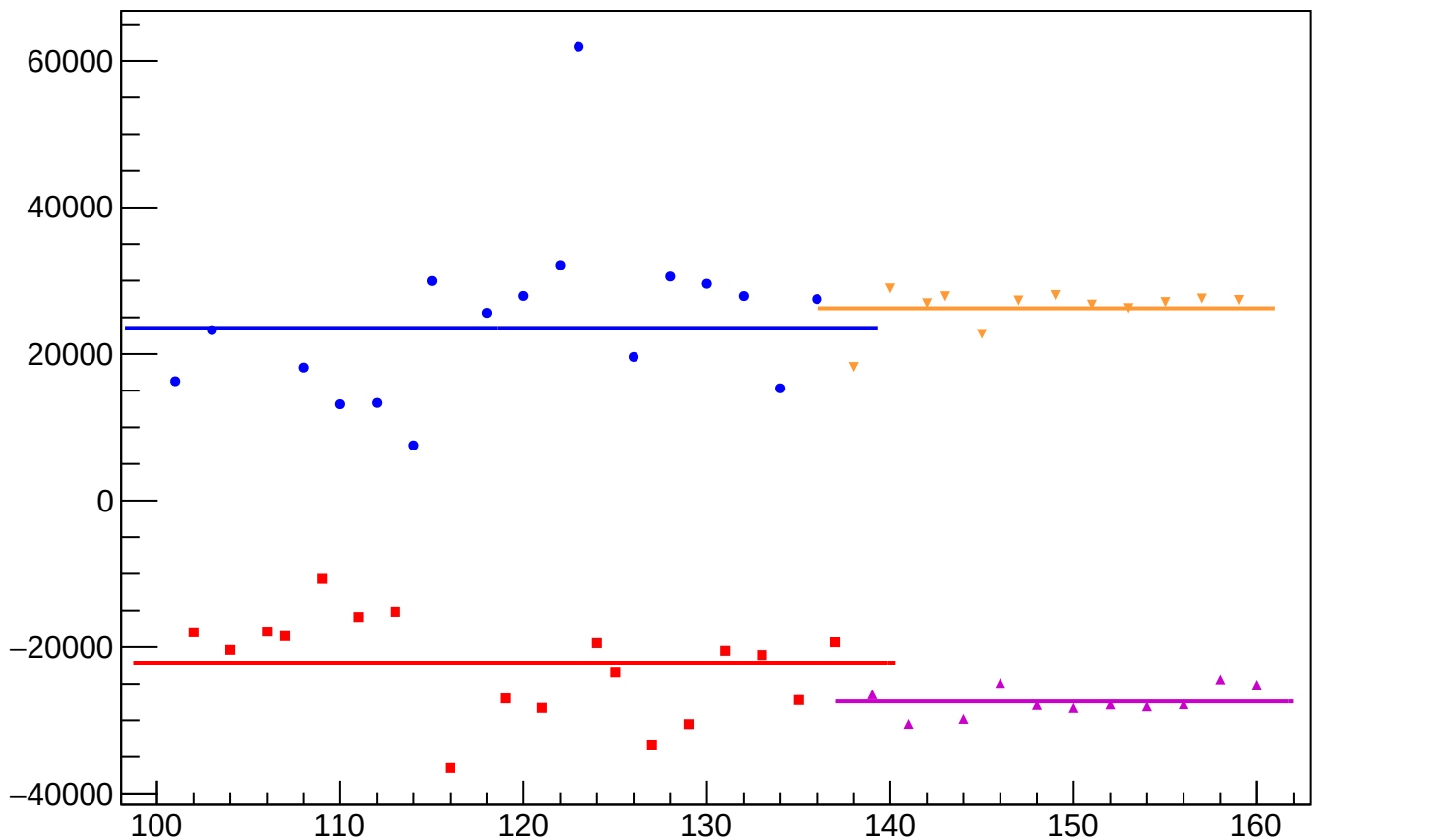
All: 19.266+/-0.000 χ^2/NDF : 2613699813863

dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected



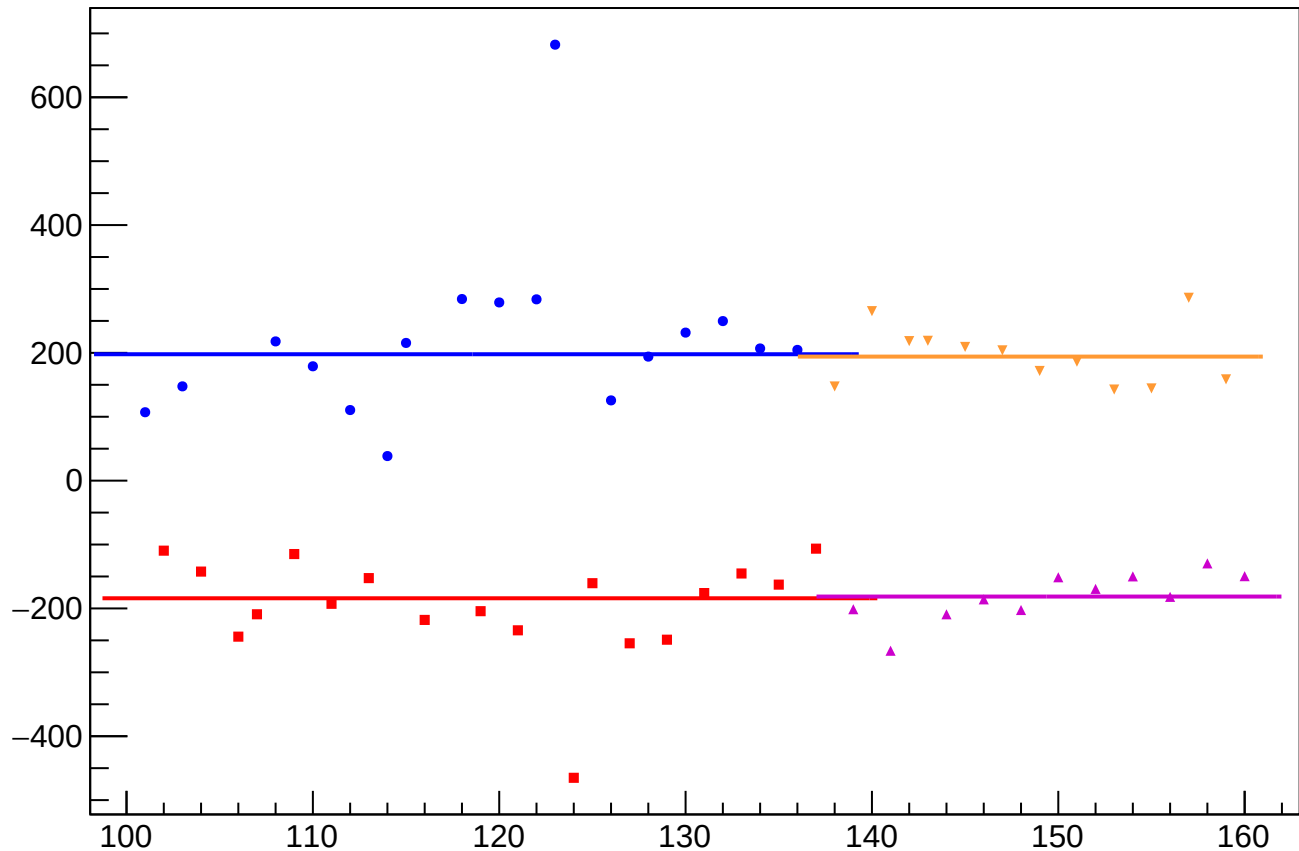
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam5_coil4_mean vs Slug, Sign Corrected



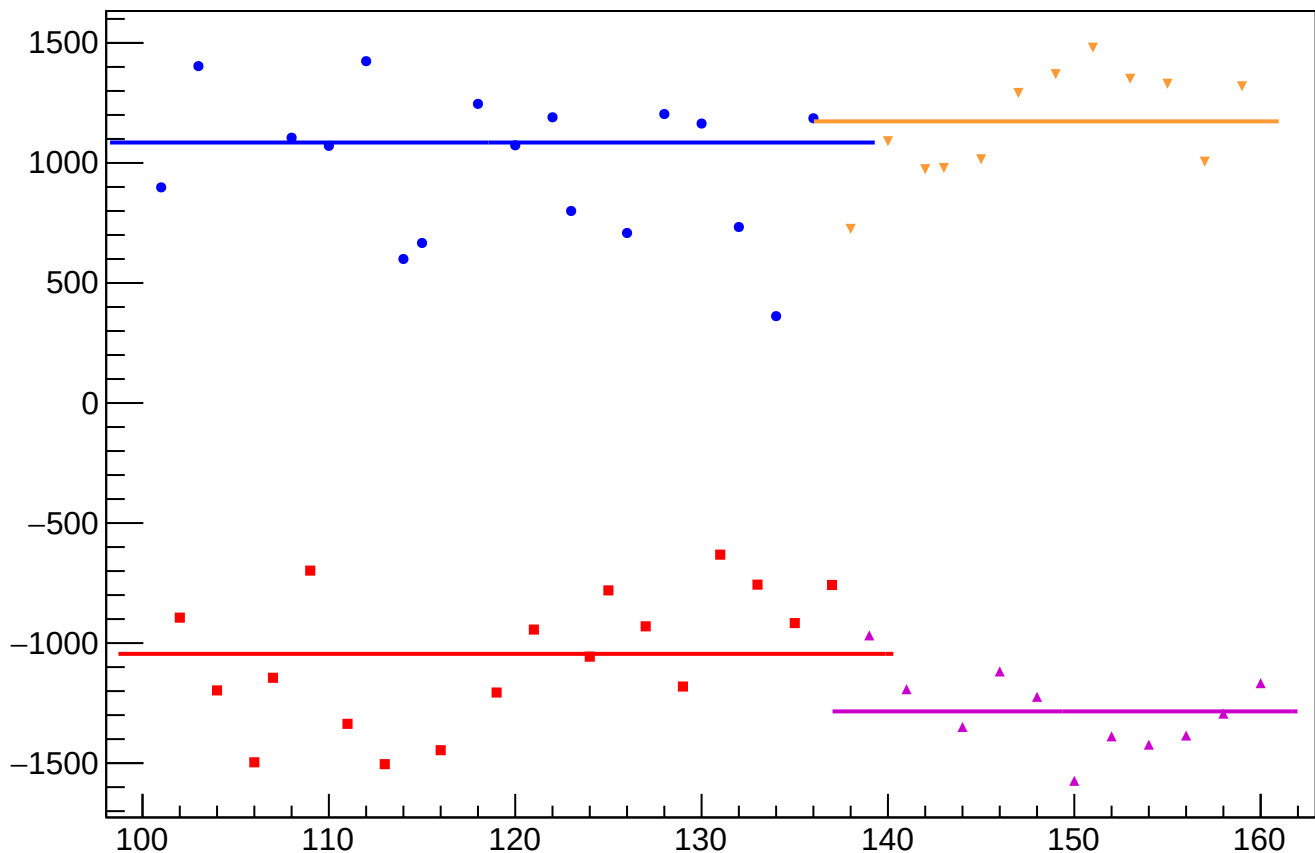
Right In: 23563.217+/-0.000 χ^2/NDF : 35385807137271018817625418232540839280640.0/16
 Left Out: 26232.941+/-0.000 χ^2/NDF : 7436306383754098156934386282018195374080.0/11
 Right Out: -22162.506+/-0.000 χ^2/NDF : 30926817479017578857864317291139006726144.0/17
 Left In: -27409.308+/-0.000 χ^2/NDF : 3260068033865796960082272162296933384192.0/10
 All: -375.411+/-0.000 χ^2/NDF : 21395474548

dit_sam5_coil4_err_mean vs Slug, Sign Corrected



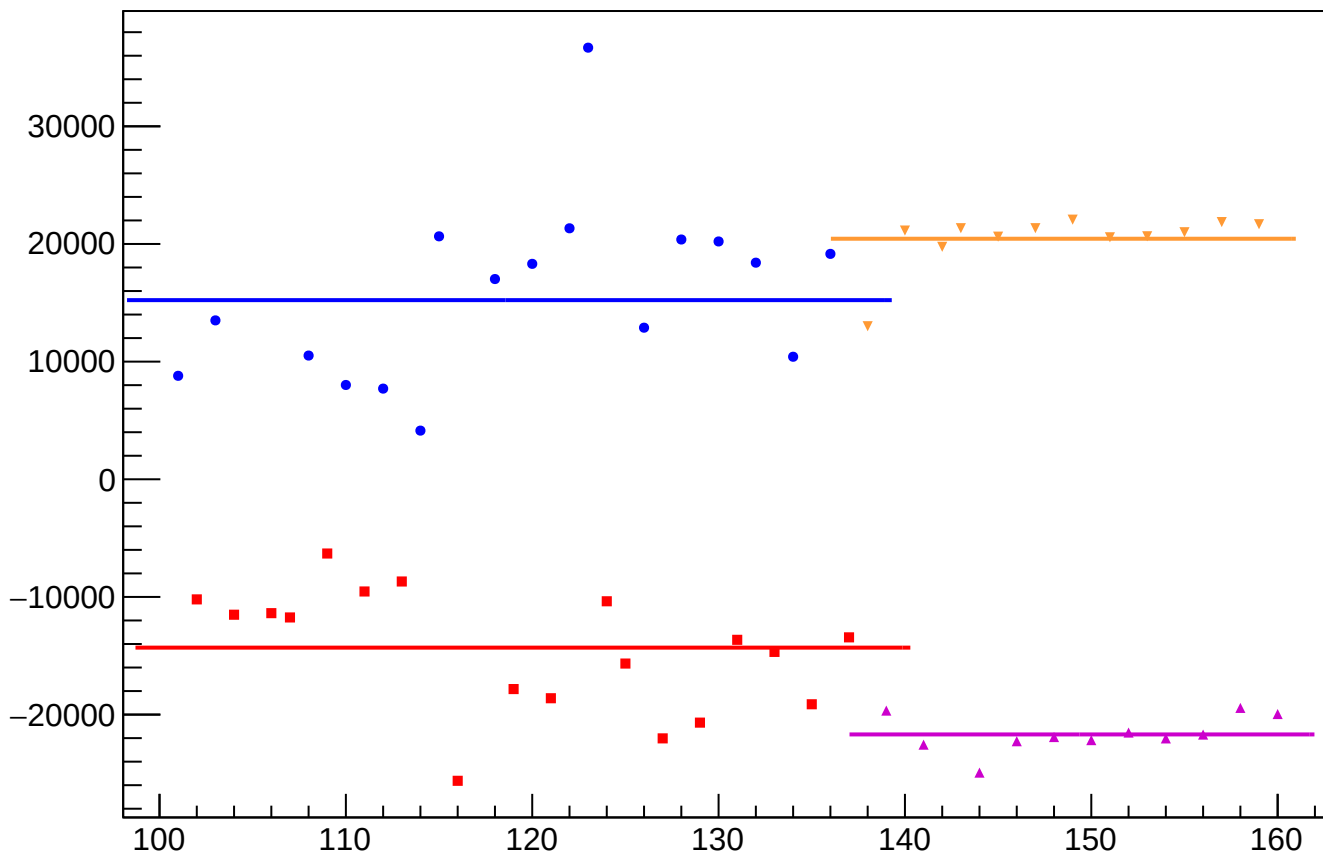
Left: 3.922 +/- 0.000 χ^2/NDF : 680547634341242532
 Right: 4.020 +/- 0.000 χ^2/NDF : 57684682342329380
 In: -19.639 +/- 0.000 χ^2/NDF : 62079772857917457
 Out: 27.612 +/- 0.000 χ^2/NDF : 61845128959738000
 All: 3.965 +/- 0.000 χ^2/NDF : 12573945346954

dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected



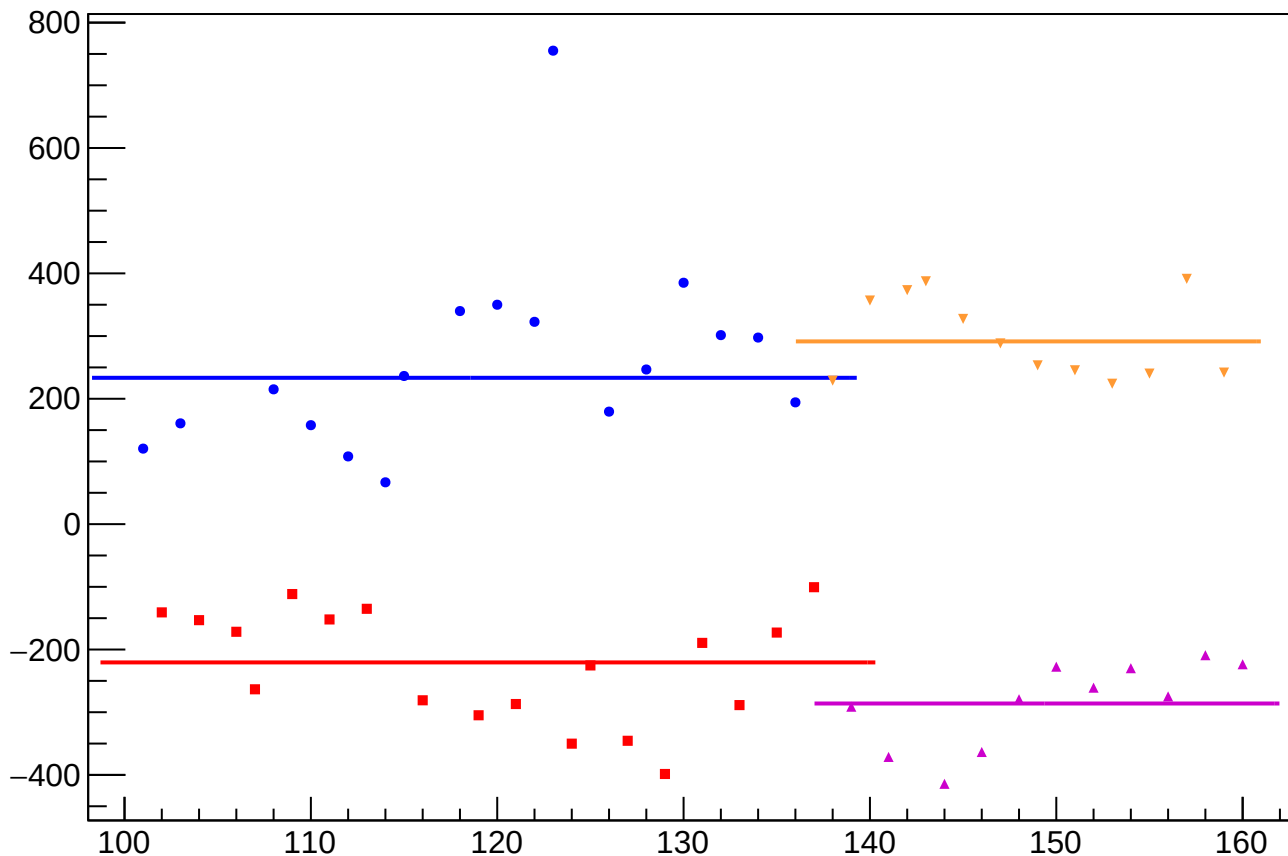
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam6_coil4_mean vs Slug, Sign Corrected



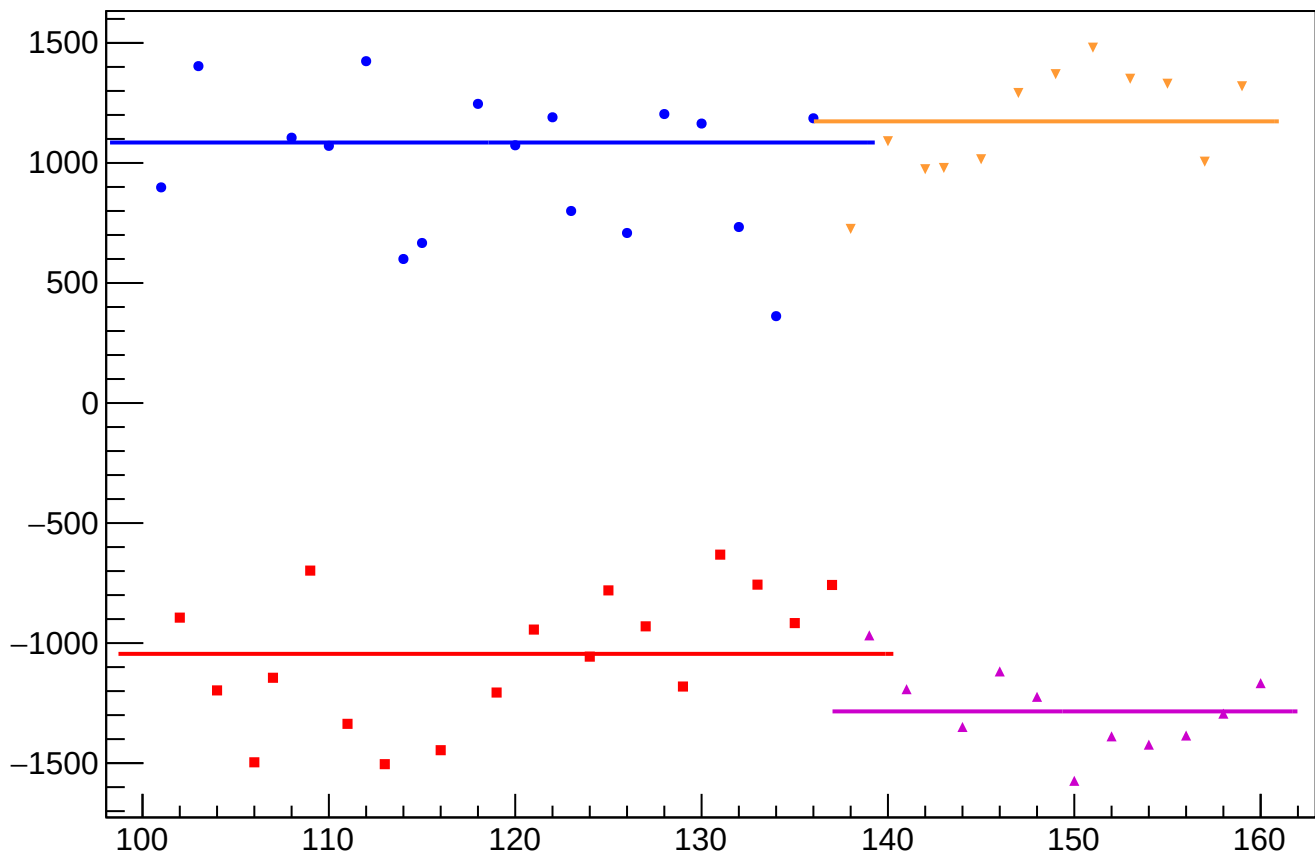
Right In: 15226.152+/-0.000 χ^2/NDF : 19033981883616318675707973818231845552128.0/16
 Left Out: 20444.904+/-0.000 χ^2/NDF : 5015541788113107499549833018825777348608.0/11
 Right Out: -14308.618+/-0.000 χ^2/NDF : 17986620092143727991108175714996656799744.0/17
 Left In: -21685.940+/-0.000 χ^2/NDF : 2061414370106068569162415723838611390464.0/10
 All: -403.653+/-0.000 χ^2/NDF : 11695762959

dit_sam6_coil4_err_mean vs Slug, Sign Corrected



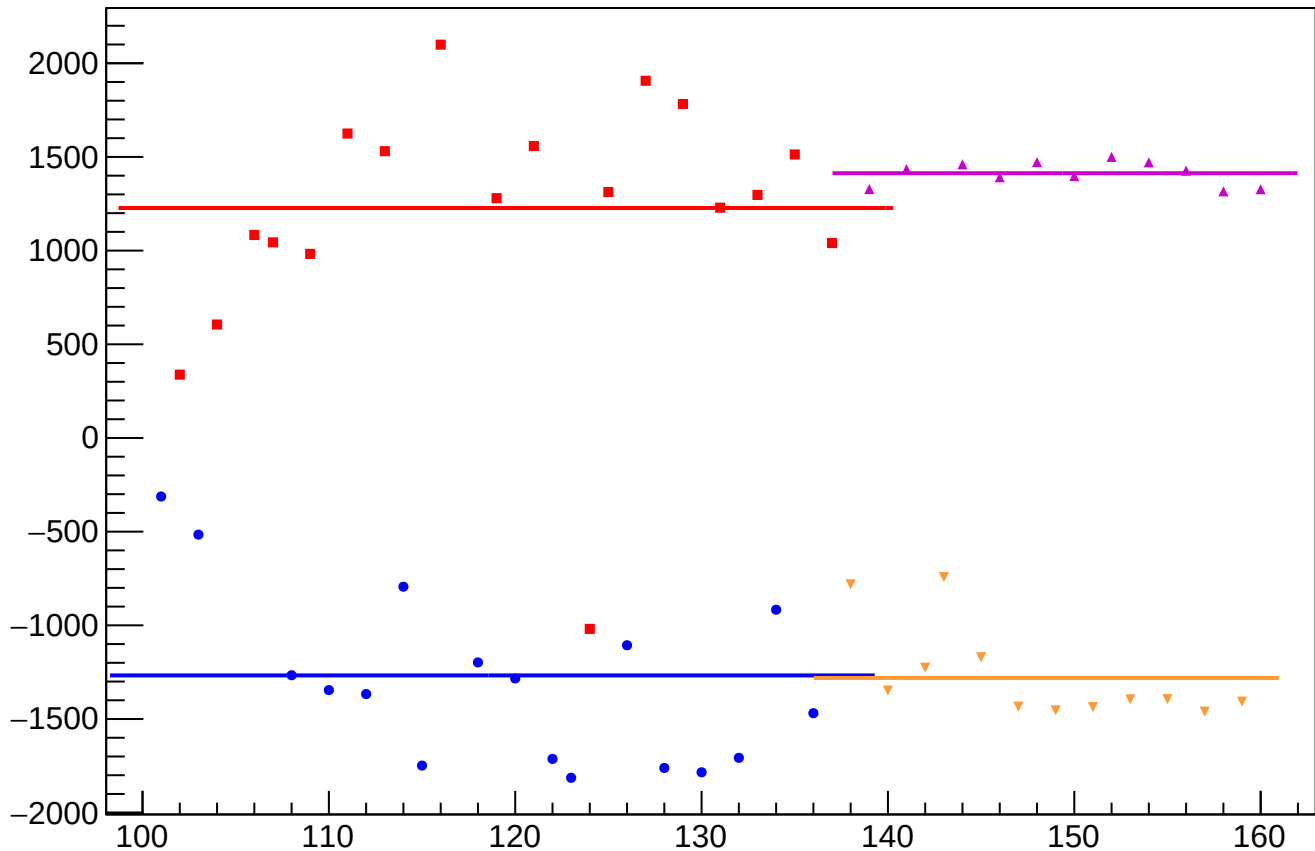
Right In: 233.427 $\pm$ 0.000 χ^2 /NDF: 6632421375389201944932770217893822464.0/16
 Left Out: 291.492 $\pm$ 0.000 χ^2 /NDF: 3496936665449814929425245861490720768.0/11
 Right Out: -220.559 $\pm$ 0.000 χ^2 /NDF: 5383695019108554854360648047063465984.0/17
 Left In: -286.089 $\pm$ 0.000 χ^2 /NDF: 4047639086763227768293546604548325376.0/10
 All: 0.721 $\pm$ 0.000 χ^2 /NDF: 24575467022547

dit_sam6_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam7_coil4_mean vs Slug, Sign Corrected



Right In: -1267.268+/-0.000

Left Out: -1280.919+/-0.000

Right Out: 1227.490+/-0.000

Left In: 1413.098+/-0.000

χ^2/NDF : 145198686124385842675248081831068696576.0/16

χ^2/NDF : 52350467274887830805489203247275048960.0/11

χ^2/NDF : 214319050187910672698323609340044378112.0/17

χ^2/NDF : 3510654626311902880652773562800668672.0/10

Left: 83.640+/-0.000 χ^2/NDF : 33974772018165182

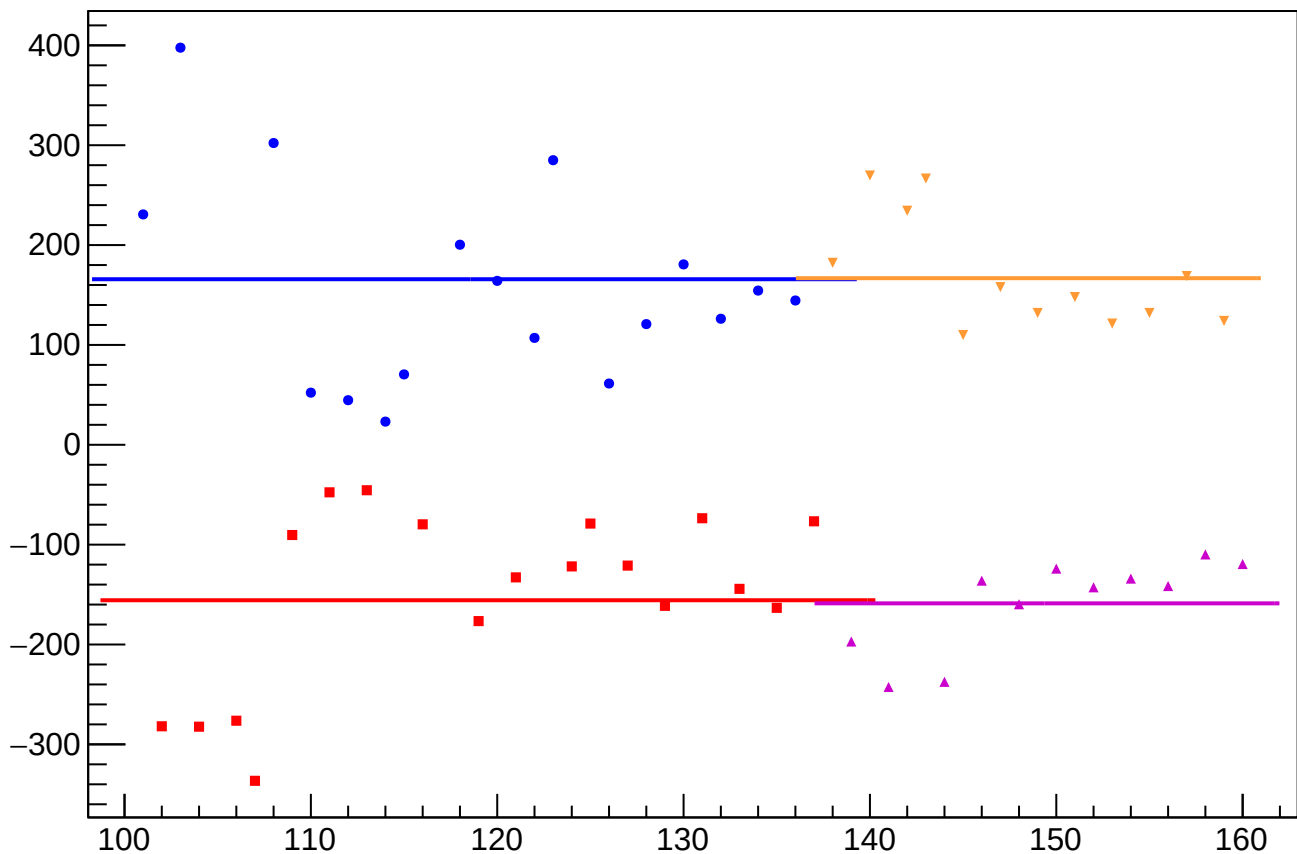
Right: -1.298+/-0.000 χ^2/NDF : 2551370593421750

In: 269.783+/-0.000 χ^2/NDF : 30078924023770430

Out: -176.539+/-0.000 χ^2/NDF : 278481258910852

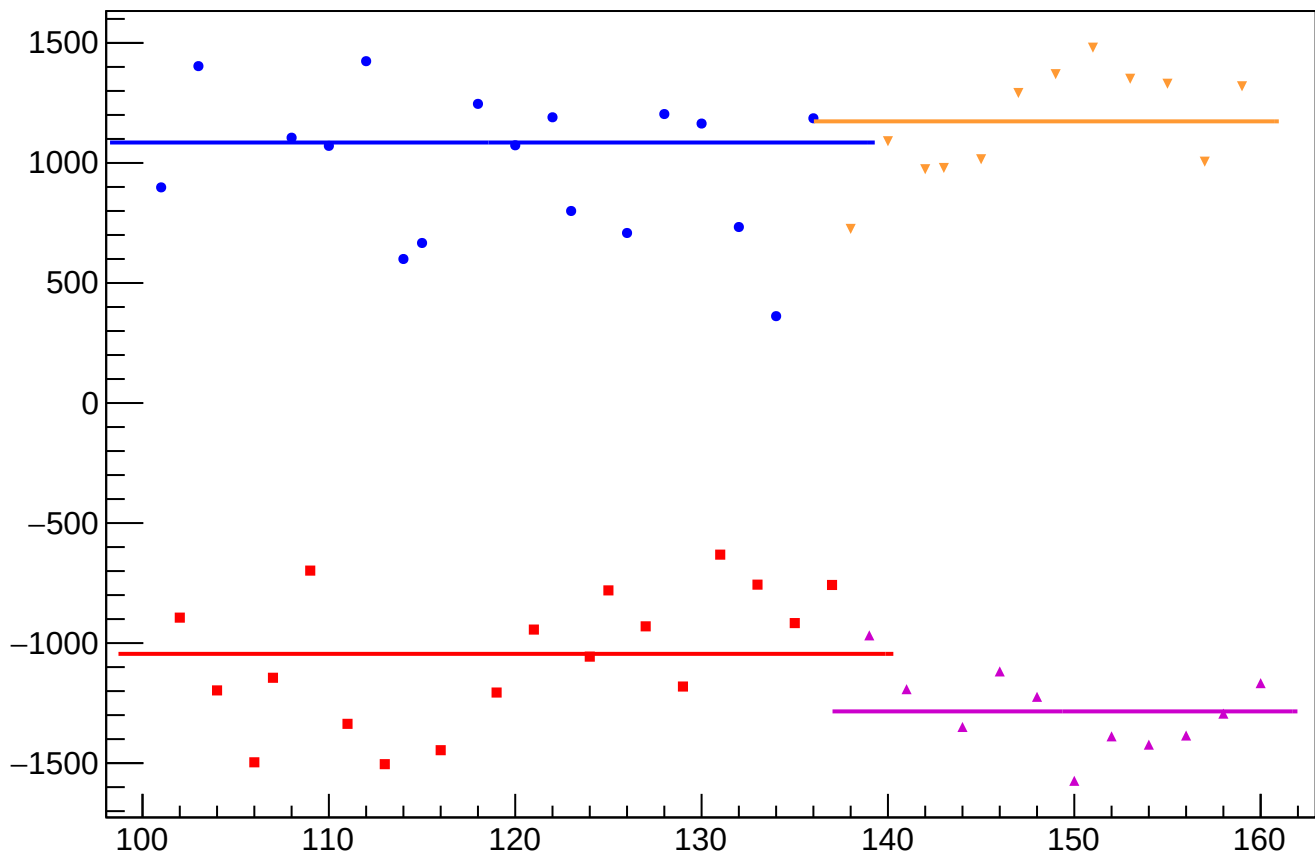
All: 46.827+/-0.000 χ^2/NDF : 5954607405275

dit_sam7_coil4_err_mean vs Slug, Sign Corrected



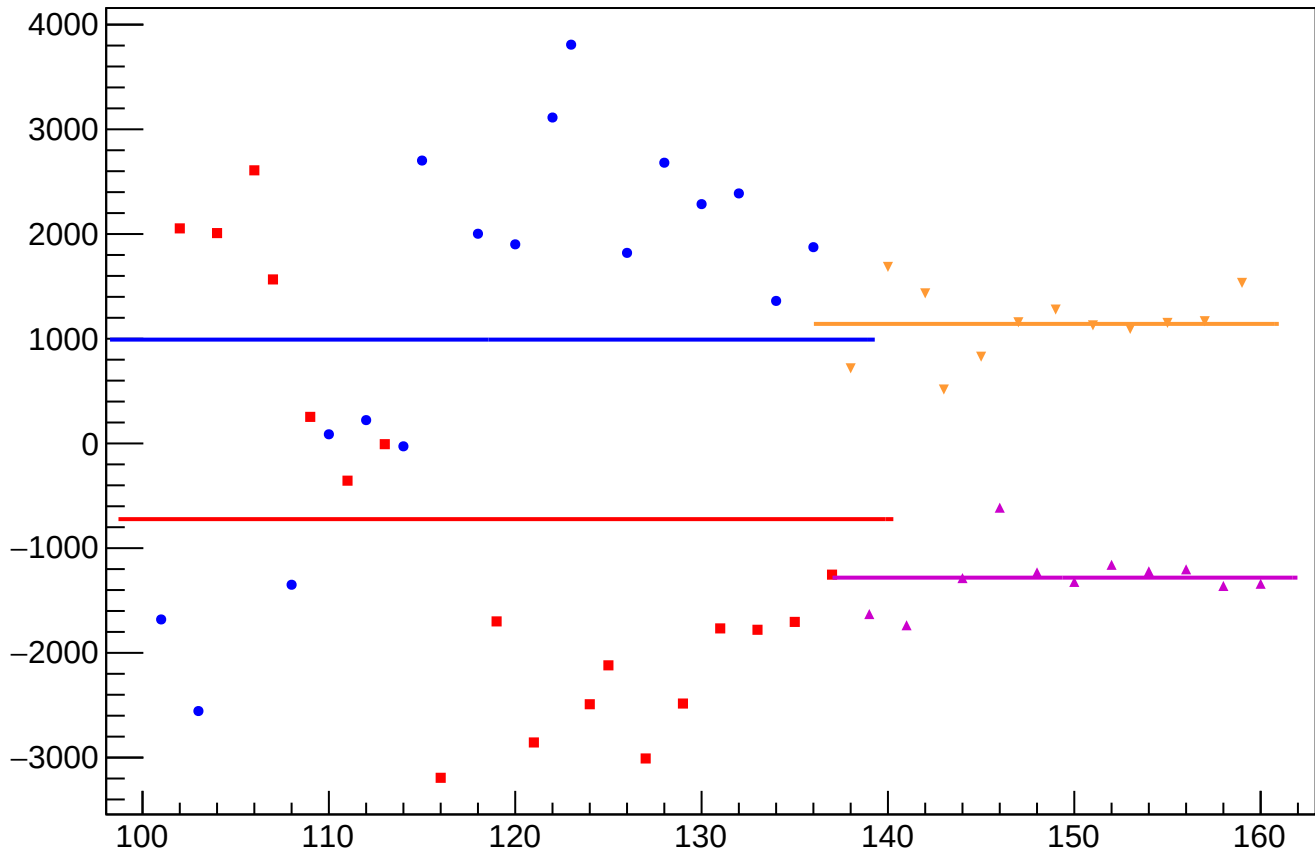
Right In: 165.791 $\pm$ 0.000 χ^2 /NDF: 6599926309722586861325010177468923904.0/16
 Left Out: 166.830 $\pm$ 0.000 χ^2 /NDF: 2570249887219169860921416363043454976.0/11
 Right Out: -155.674 $\pm$ 0.000 χ^2 /NDF: 5506170000172026486696305926028132352.0/17
 Left In: -158.786 $\pm$ 0.000 χ^2 /NDF: 1841518274242064728634139939665084416.0/10
 All: 2.231 $\pm$ 0.000 χ^2 /NDF: 10172834754963

dit_sam7_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam8_coil4_mean vs Slug, Sign Corrected



Right In: 991.656 +/- 0.000

χ^2/NDF : 2196543485135713219136059560633443549184.0/16

Left Out: 1141.755 +/- 0.000

χ^2/NDF : 90353942436830856594949216052979957760.0/11

Right Out: -722.834 +/- 0.000

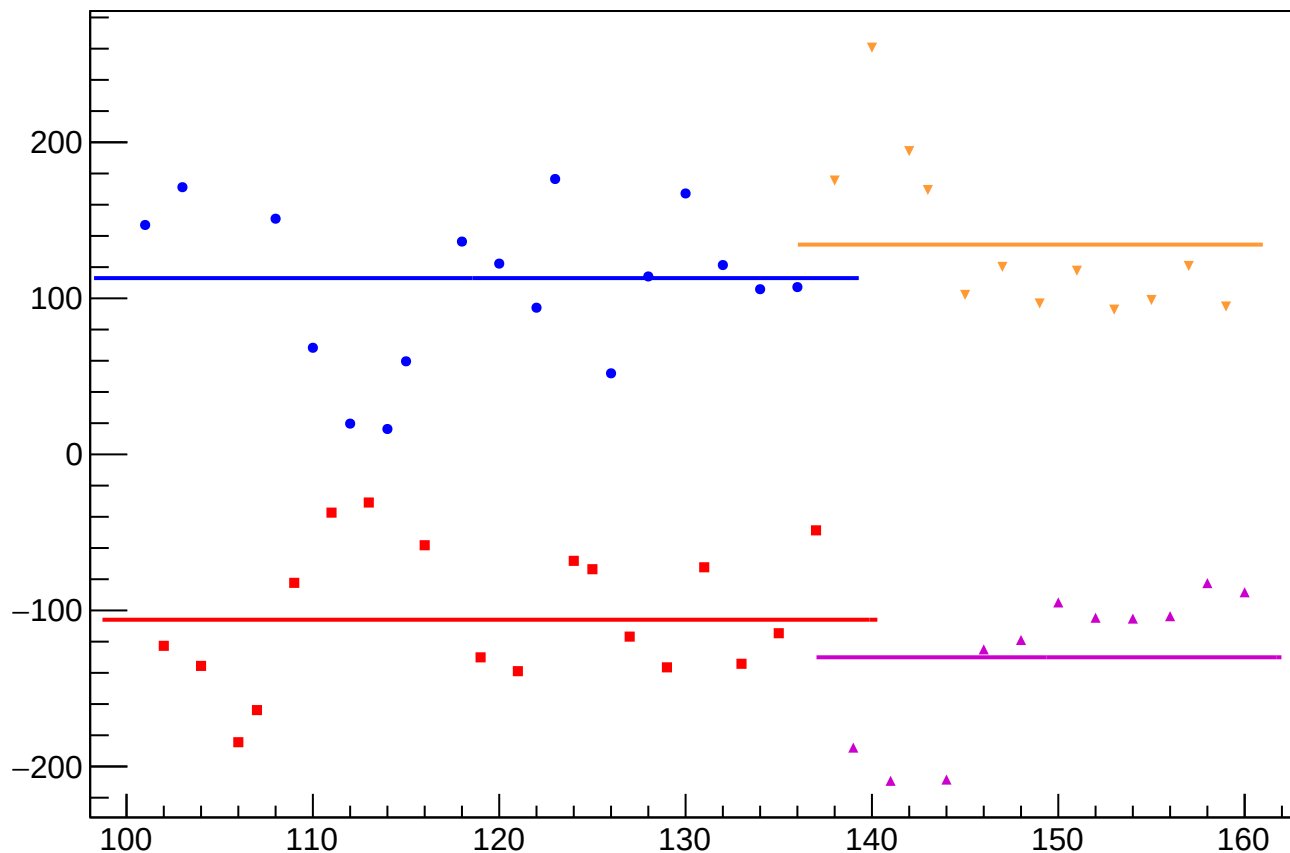
χ^2/NDF : 2430230107927732709008698791969328988160.0/17

Left In: -1281.659 +/- 0.000

χ^2/NDF : 67729567822989794442627212039346454528.0/10

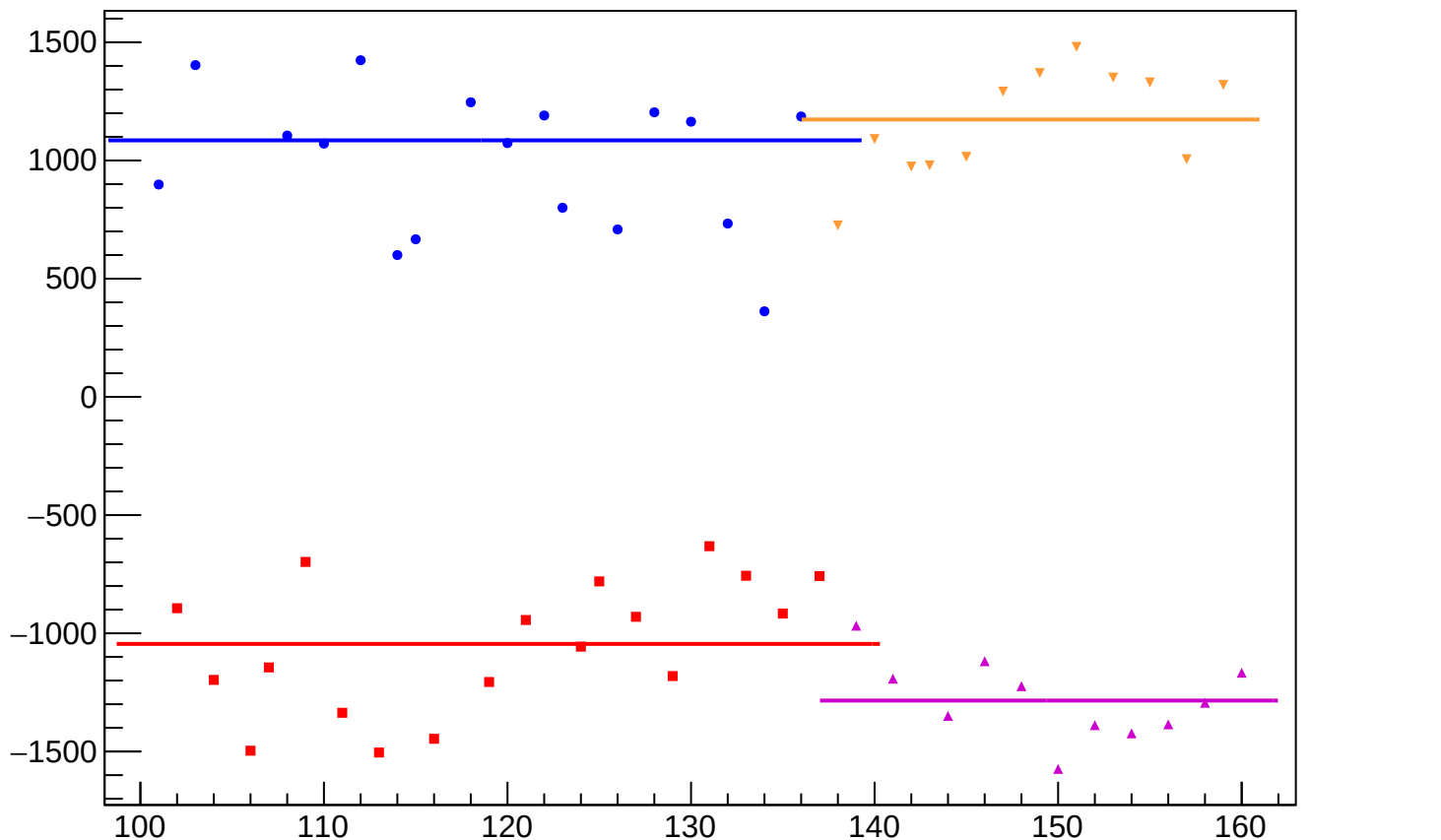
All: 4.137 +/- 0.000 χ^2/NDF : 85584155447109

dit_sam8_coil4_err_mean vs Slug, Sign Corrected



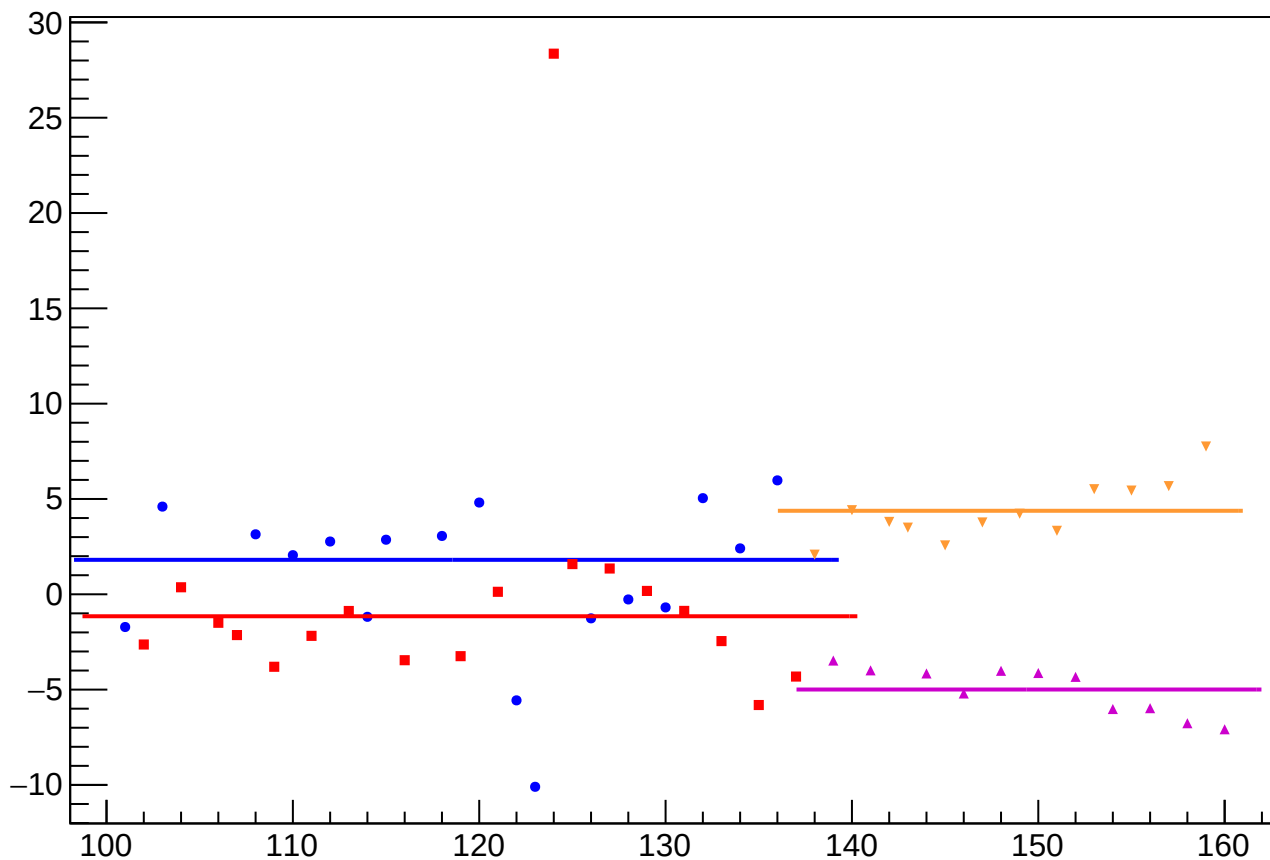
Right In: 112.967 $\pm$ 0.000 χ^2 /NDF: 1352482381635393188272506664826961920.0/16
 Left Out: 134.431 $\pm$ 0.000 χ^2 /NDF: 2310662516274369890170239716283121664.0/11
 Right Out: -105.949 $\pm$ 0.000 χ^2 /NDF: 1242528444706792757388488213889286144.0/17
 Left In: -130.030 $\pm$ 0.000 χ^2 /NDF: 1968681434700847172167982931920289792.0/10
 All: 1.084 $\pm$ 0.000 χ^2 /NDF: 55955139764216

dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected



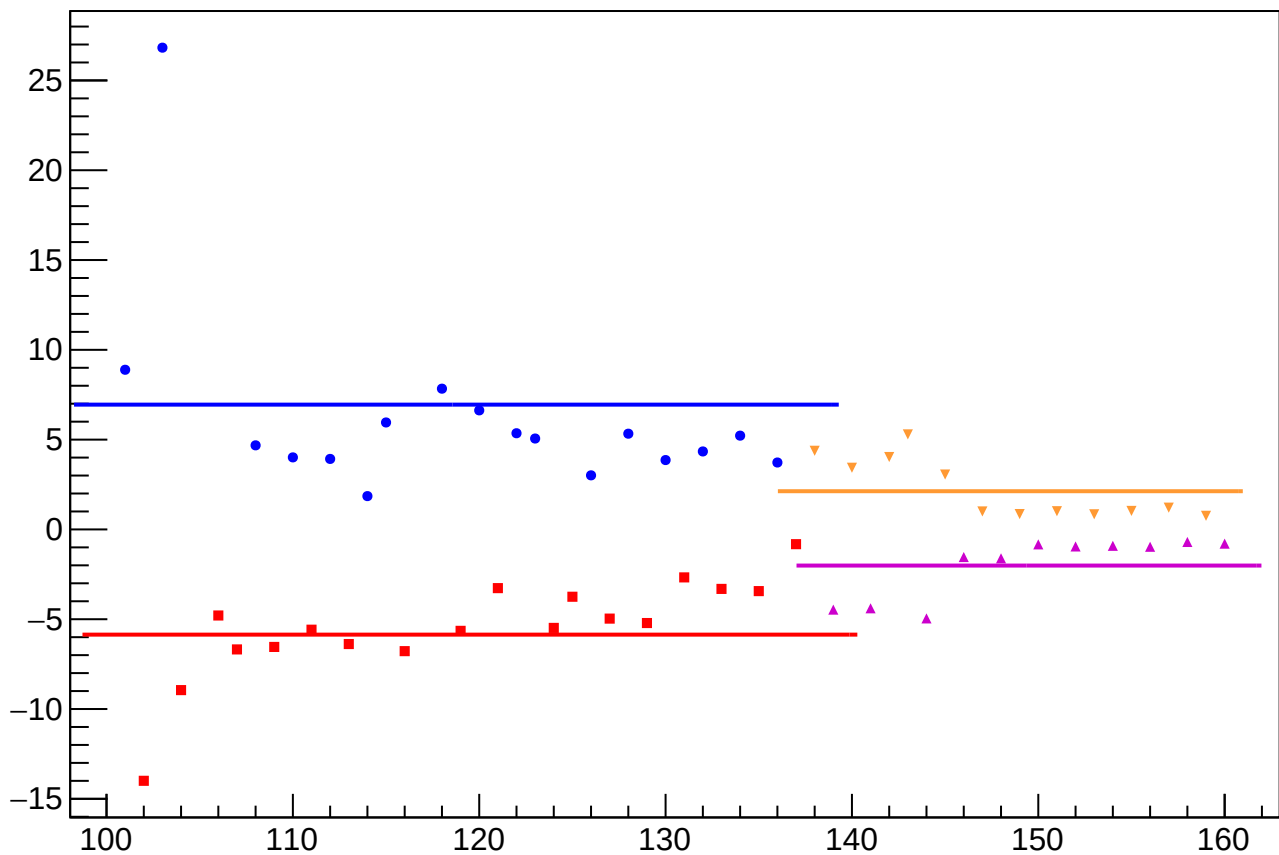
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_4aX_coil6_mean vs Slug, Sign Corrected



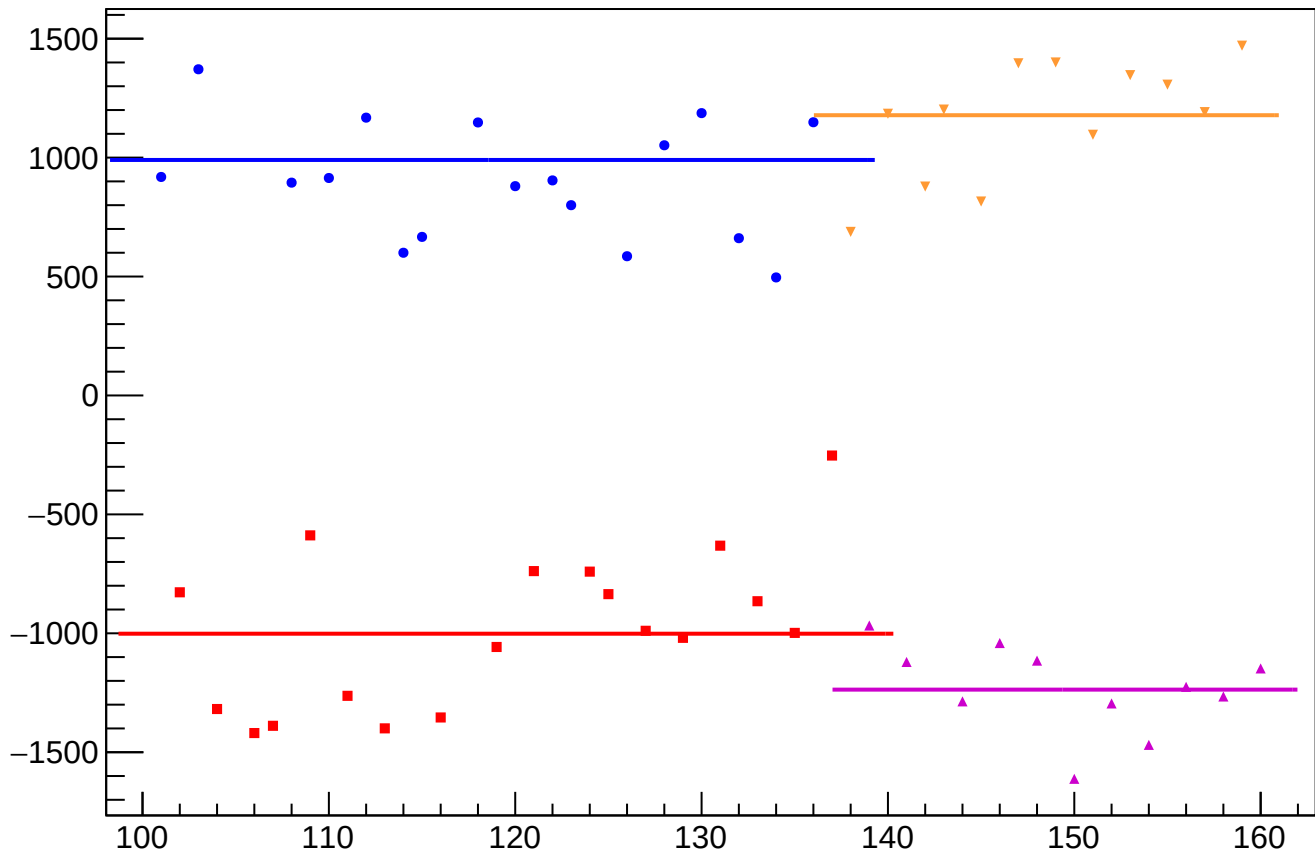
Right In: 1.808 ± 0.000 χ^2/NDF : 7527409924358699638476786257362944.0/16
 Left Out: 4.381 ± 0.000 χ^2/NDF : 2086443671311525325222433361920.0/11
 Right Out: -1.152 ± 0.000 χ^2/NDF : 15220659080427743810069153064157184.0/17
 Left In: -4.995 ± 0.000 χ^2/NDF : 1311384685098121552827321556140032.0/10
 All: -0.076 ± 0.000 χ^2/NDF : 7006983030788

dit_4aX_coil6_err_mean vs Slug, Sign Corrected



Right In: 6.948 ± 0.000 $\chi^2/\text{NDF}: 27500472377838631302114625925939200.0/16$
 Left Out: 2.128 ± 0.000 $\chi^2/\text{NDF}: 2219193645273984606349154335064064.0/11$
 Right Out: -5.858 ± 0.000 $\chi^2/\text{NDF}: 6347530911749266996807271930920960.0/17$
 Left In: -2.012 ± 0.000 $\chi^2/\text{NDF}: 2455587486650389464574895818014720.0/10$
 All: 0.212 ± 0.000 $\chi^2/\text{NDF}: 10431206184614$

dit_4aX_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000

χ^2/NDF : 36894248833595574425684746704003268608.0/16

Left Out: 1178.253+/-0.000

χ^2/NDF : 52167705532463382200265414592767721472.0/11

Right Out: -1001.684+/-0.000

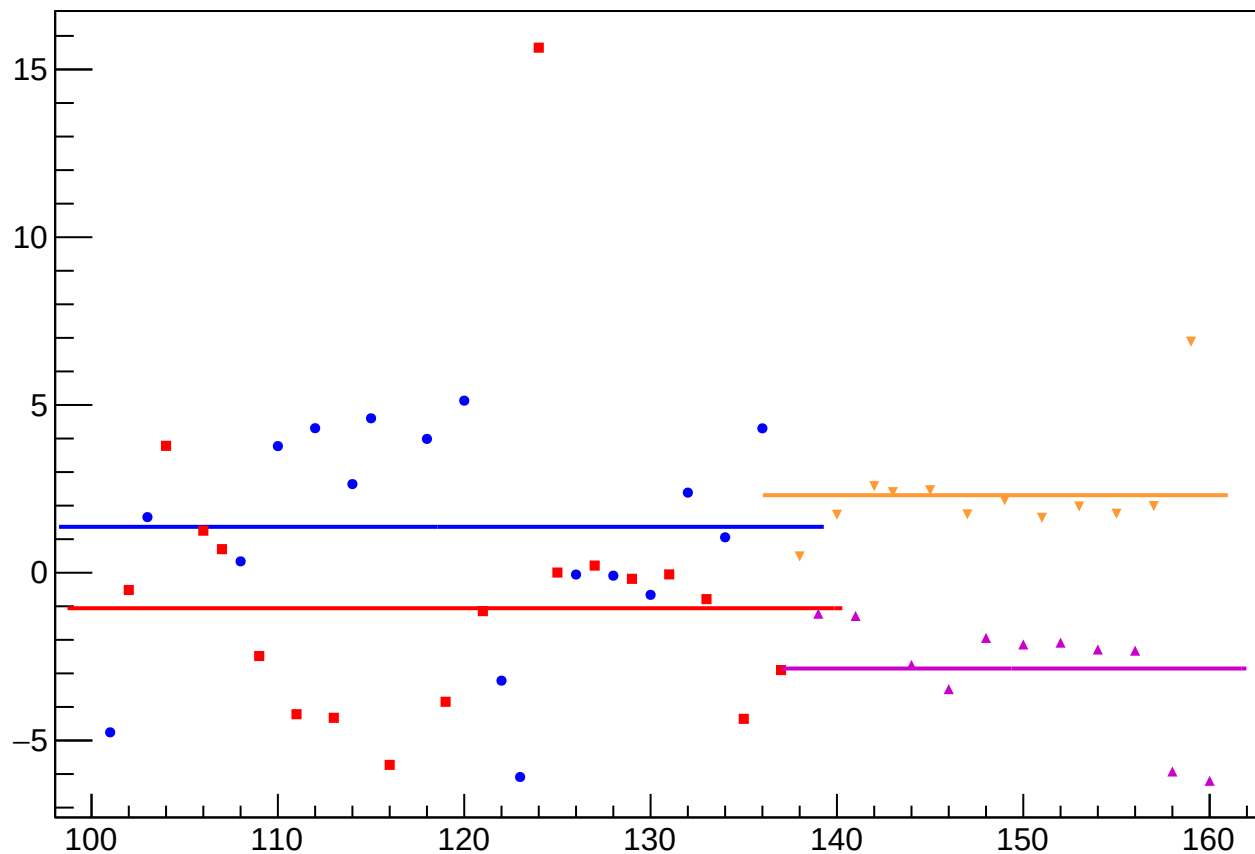
χ^2/NDF : 61351571695254109773751672489010790400.0/17

Left In: -1236.792+/-0.000

χ^2/NDF : 30308096320717107629965970940123676672.0/10

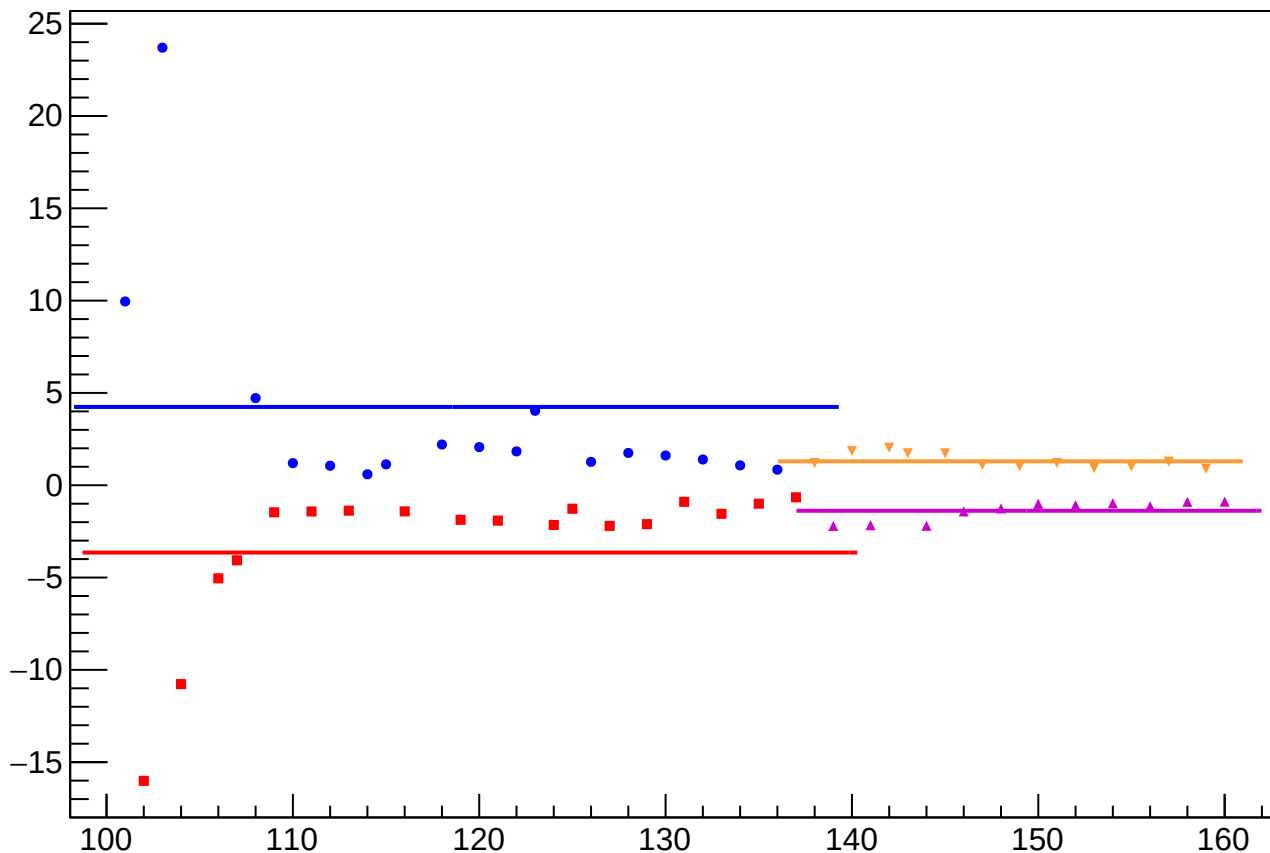
All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_4eX_coil6_mean vs Slug, Sign Corrected



Right In: 1.369+/-0.000 χ^2/NDF : 6191636339009546001582067680280576.0/16
 Left Out: 2.311+/-0.000 χ^2/NDF : 2071801880392961895564472831967232.0/11
 Right Out: -1.058+/-0.000 χ^2/NDF : 8169457084716591134016374239657984.0/17
 Left In: -2.855+/-0.000 χ^2/NDF : 2369235409930855719380632706482176.0/10
 All: -0.114+/-0.000 χ^2/NDF : 3331669789306

dit_4eX_coil6_err_mean vs Slug, Sign Corrected



Left: -0.060 +/- 0.000 χ^2/NDF : 36742653676039880

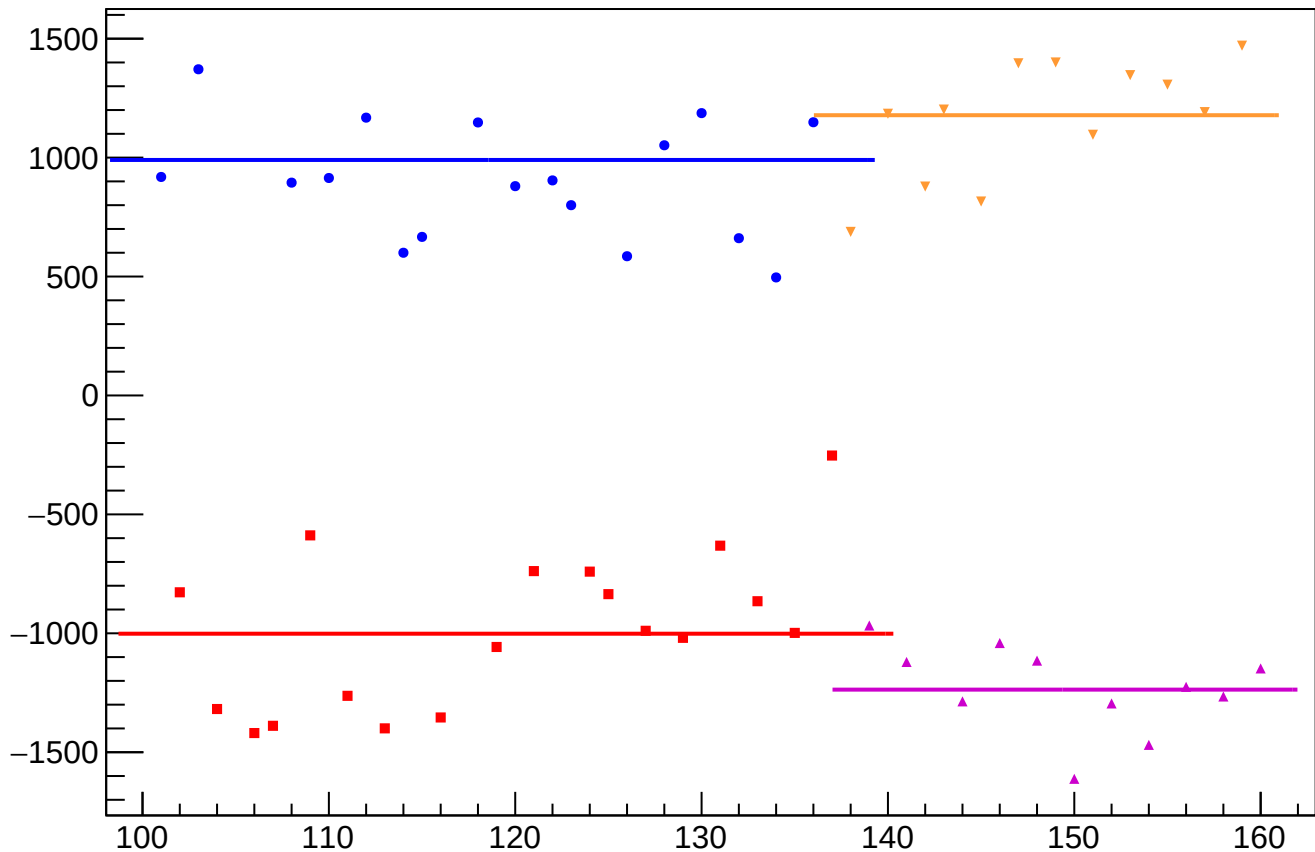
Right: 0.238 +/- 0.000 χ^2/NDF : 64554670060166565

In: 1.016 +/- 0.000 χ^2/NDF : 4145174476595097073

Out: -0.879 +/- 0.000 χ^2/NDF : 23929140157739456

All: 0.069 +/- 0.000 χ^2/NDF : 68299772952141

dit_4eX_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000

χ^2/NDF : 36894248833595574425684746704003268608.0/16

Left Out: 1178.253+/-0.000

χ^2/NDF : 52167705532463382200265414592767721472.0/11

Right Out: -1001.684+/-0.000

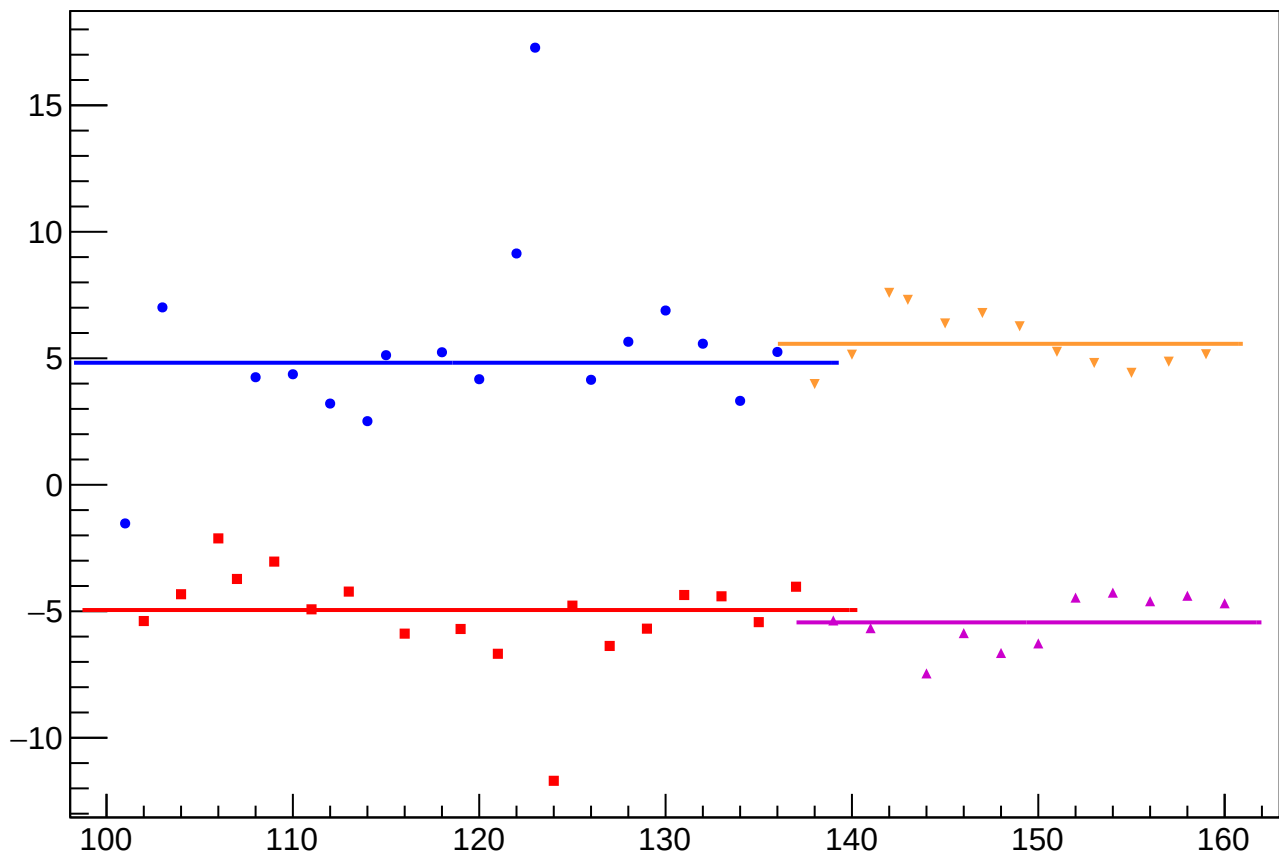
χ^2/NDF : 61351571695254109773751672489010790400.0/17

Left In: -1236.792+/-0.000

χ^2/NDF : 30308096320717107629965970940123676672.0/10

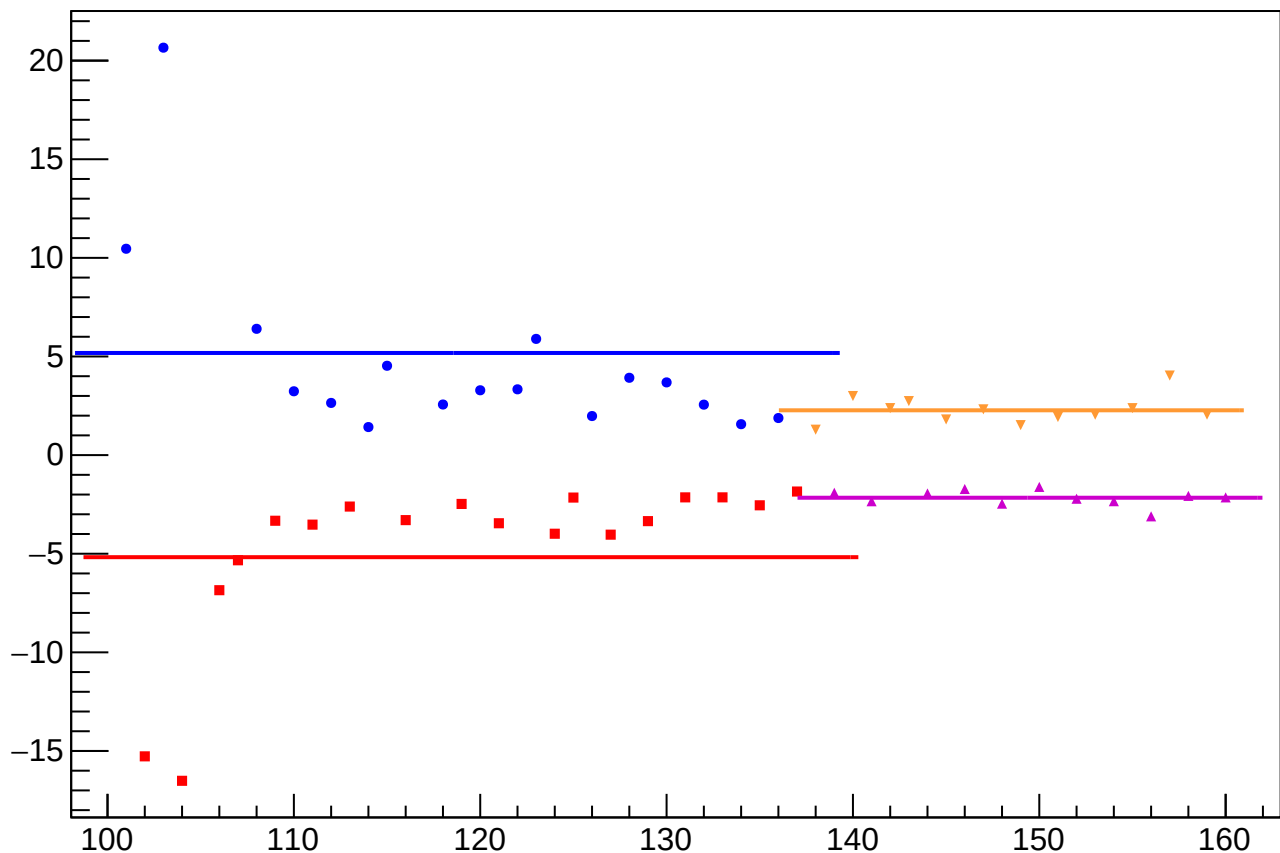
All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_11X12X_coil6_mean vs Slug, Sign Corrected



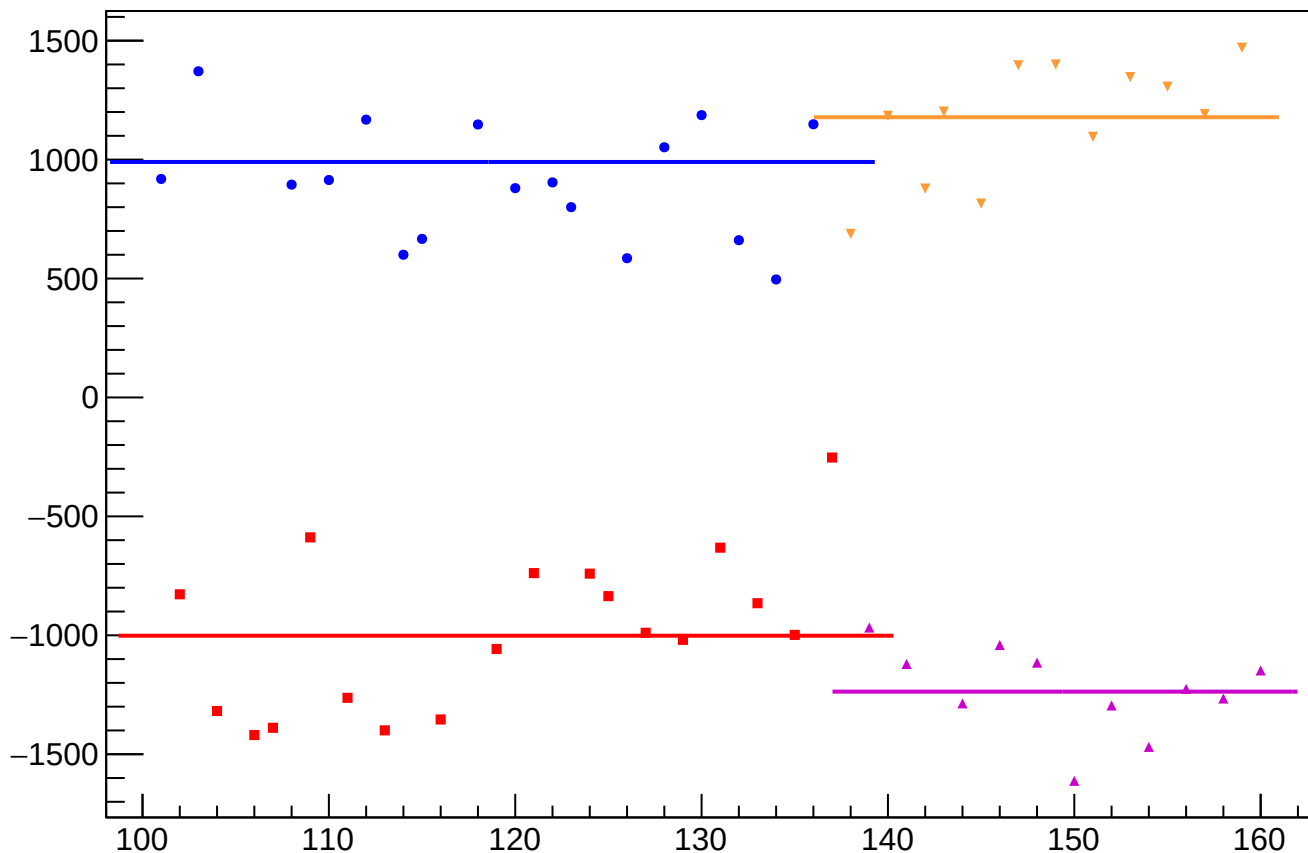
Left: -0.005 +/- 0.000 χ^2/NDF : 57809229757761740
 Right: -0.136 +/- 0.000 χ^2/NDF : 3981401538460137
 In: -1.061 +/- 0.000 χ^2/NDF : 475387196018274355
 Out: 0.940 +/- 0.000 χ^2/NDF : 468450835425449454
 All: -0.061 +/- 0.000 χ^2/NDF : 9763689586043

dit_11X12X_coil6_err_mean vs Slug, Sign Corrected



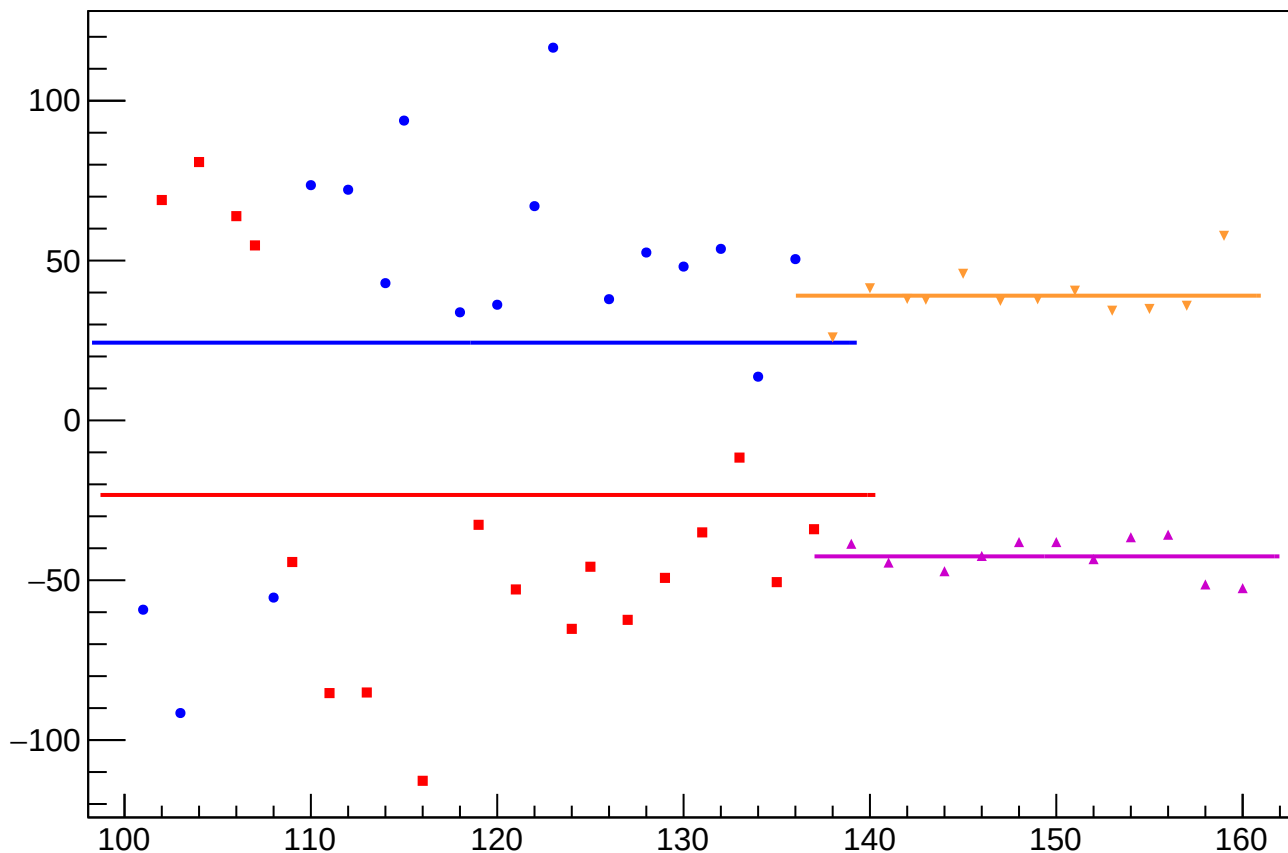
Right In: 5.179 ± 0.000 $\chi^2/\text{NDF}: 19215970923479019199836696755568640.0/16$
 Left Out: 2.271 ± 0.000 $\chi^2/\text{NDF}: 445973362143922999565724801826816.0/11$
 Right Out: -5.175 ± 0.000 $\chi^2/\text{NDF}: 15553868406688086696237036103270400.0/17$
 Left In: -2.161 ± 0.000 $\chi^2/\text{NDF}: 138371088754302765080927377817600.0/10$
 All: -0.018 ± 0.000 $\chi^2/\text{NDF}: 8216013484871$

dit_11X12X_coil6_Ndata_mean vs Slug, Sign Corrected



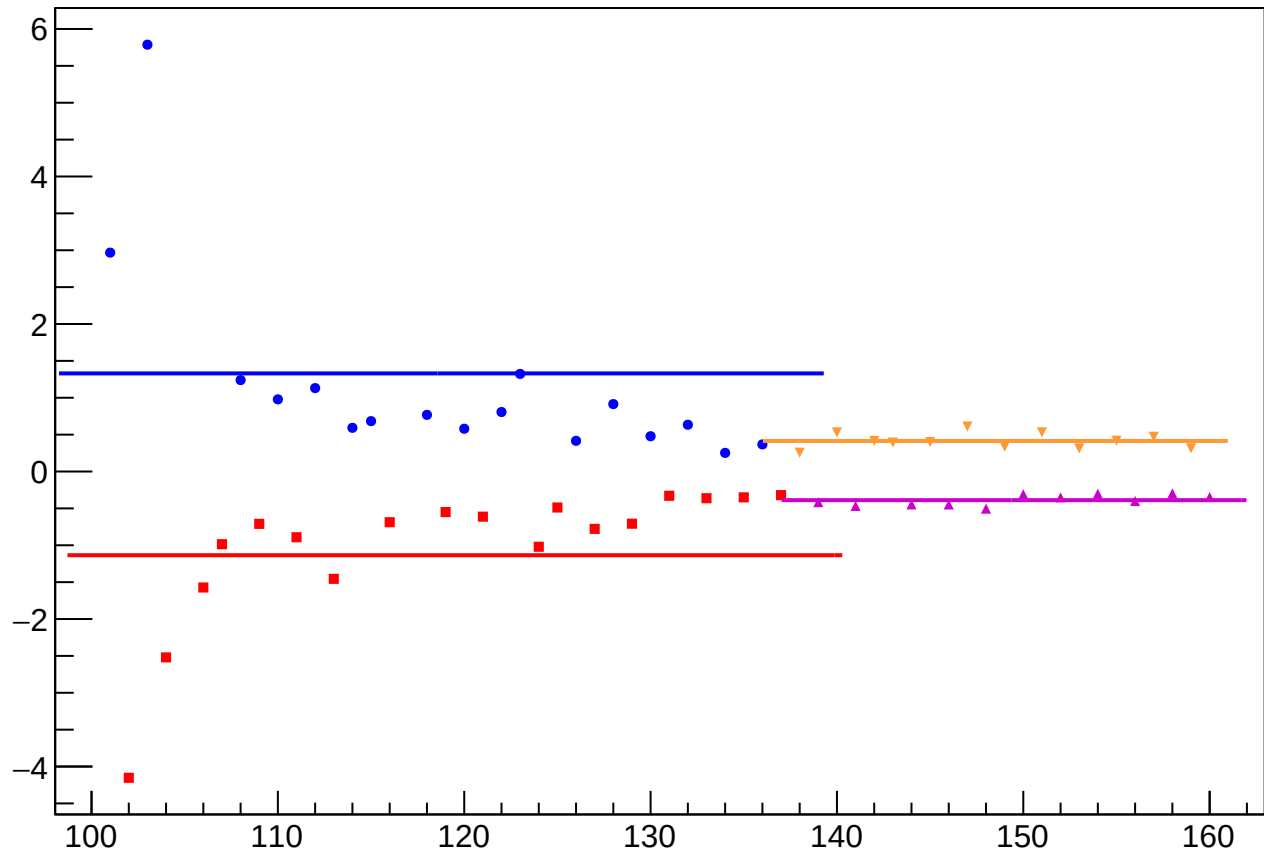
Right In: 990.104 ± 0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253 ± 0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684 ± 0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792 ± 0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441 ± 0.000 χ^2/NDF : 426372184117

dit_4aY_coil6_mean vs Slug, Sign Corrected



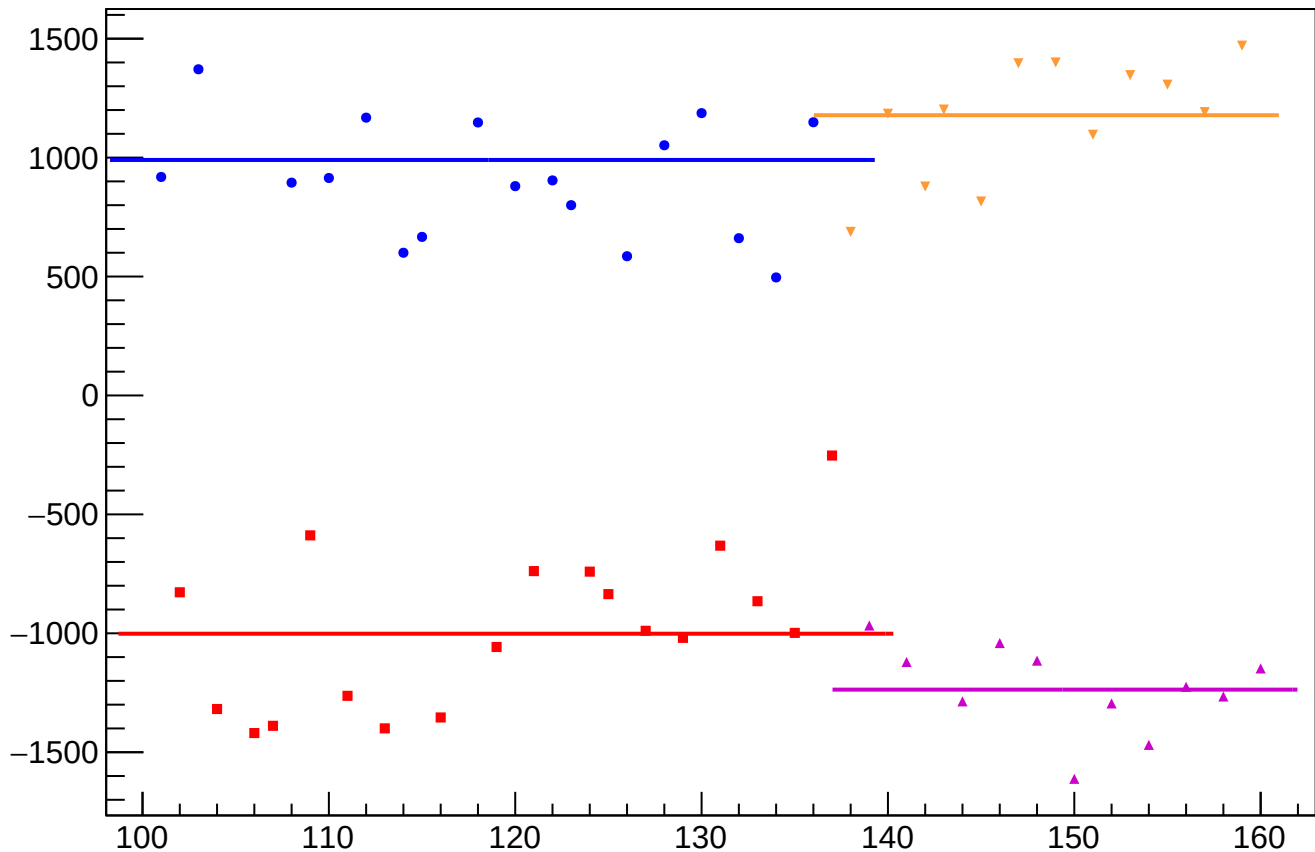
Right In: 24.318 ± 0.000 $\chi^2/\text{NDF}: 2002814634195538334157710520710332416.0/16$
 Left Out: 39.019 ± 0.000 $\chi^2/\text{NDF}: 50102899546886796047994324336508928.0/11$
 Right Out: -23.323 ± 0.000 $\chi^2/\text{NDF}: 2300287491781415748029178925971144704.0/17$
 Left In: -42.534 ± 0.000 $\chi^2/\text{NDF}: 28373028064789967113556541703192576.0/10$
 All: -1.235 ± 0.000 $\chi^2/\text{NDF}: 8247869405695$

dit_4aY_coil6_err_mean vs Slug, Sign Corrected



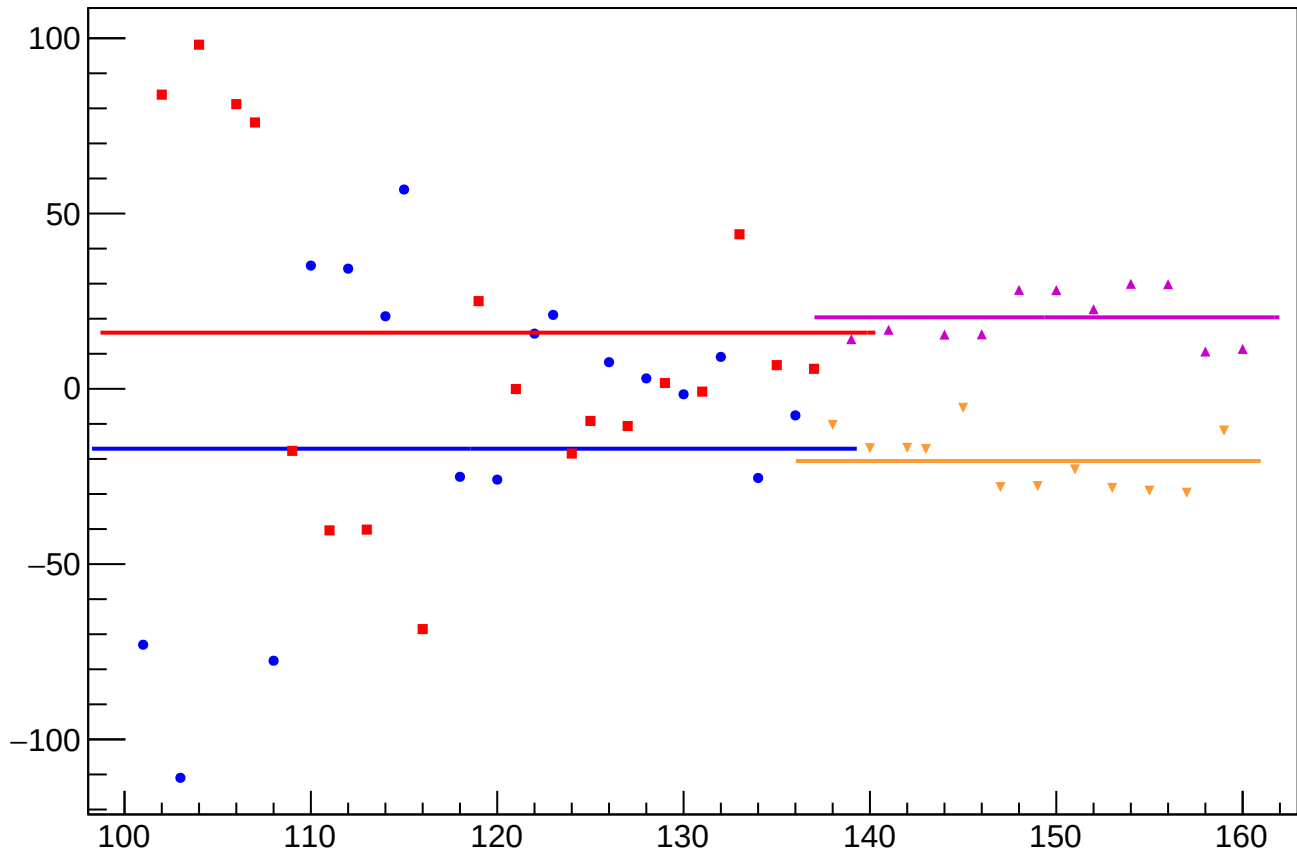
Right In: 1.330 $\pm$ 0.000 χ^2 /NDF: 1603106167275520107151234942631936.0/16
 Left Out: 0.414 $\pm$ 0.000 χ^2 /NDF: 9567880309690591091908795170816.0/11
 Right Out: -1.135 $\pm$ 0.000 χ^2 /NDF: 803137408294494563054397652205568.0/17
 Left In: -0.388 $\pm$ 0.000 χ^2 /NDF: 4478292013674144747987763462144.0/10
 All: 0.039 $\pm$ 0.000 χ^2 /NDF: 48607412454167

dit_4aY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_4eY_coil6_mean vs Slug, Sign Corrected



Right In: -17.080 +/- 0.000

χ^2/NDF : 1305852396524110552444351569704517632.0/16

Left Out: -20.578 +/- 0.000

χ^2/NDF : 60639888412264927004894637808680960.0/11

Right Out: 16.026 +/- 0.000

χ^2/NDF : 1544075638091019901834252047429402624.0/17

Left In: 20.391 +/- 0.000

χ^2/NDF : 49123532237880600080923761508876288.0/10

Left: 0.173 +/- 0.000 χ^2/NDF : 882578196183851555

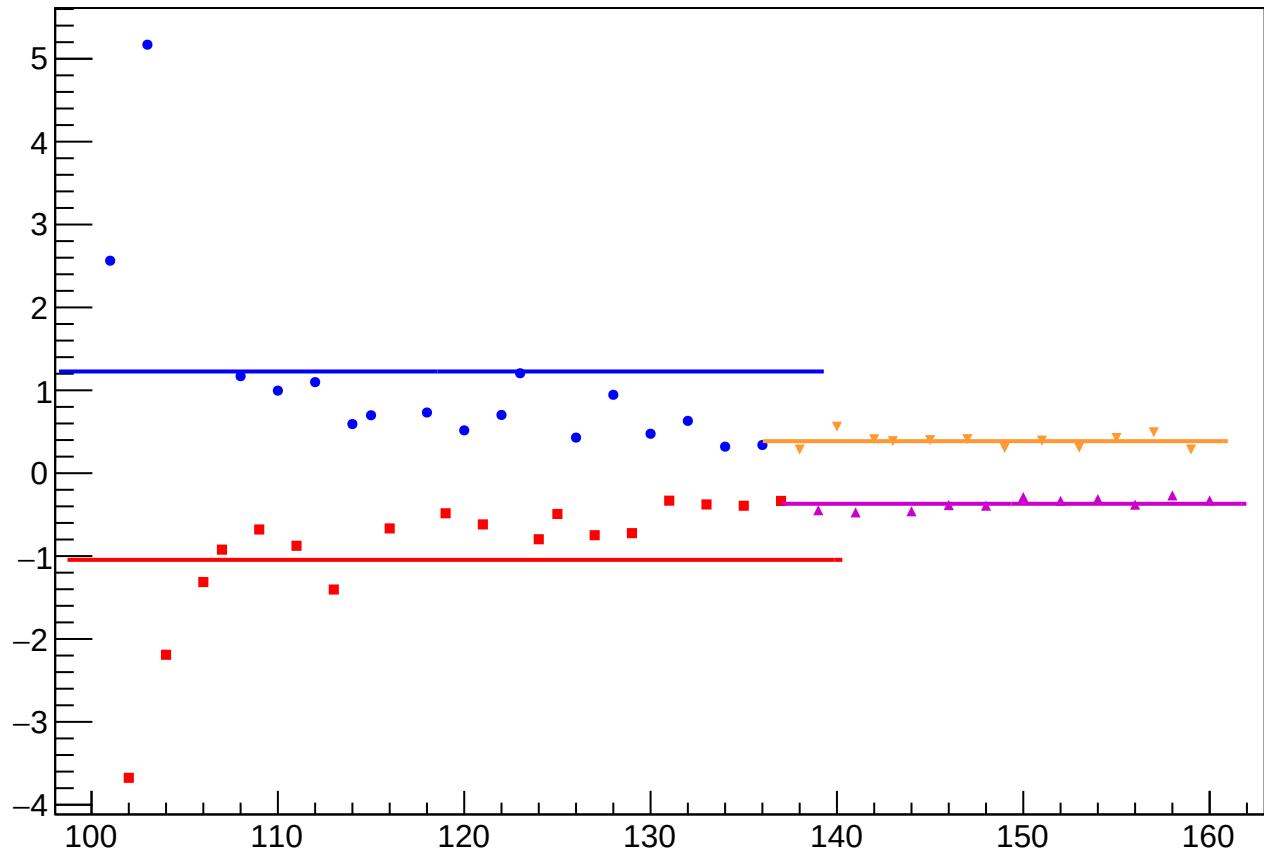
Right: -0.280 +/- 0.000 χ^2/NDF : 3235905793745171

In: 4.408 +/- 0.000 χ^2/NDF : 191375526437169053

Out: -4.462 +/- 0.000 χ^2/NDF : 21409436551720281

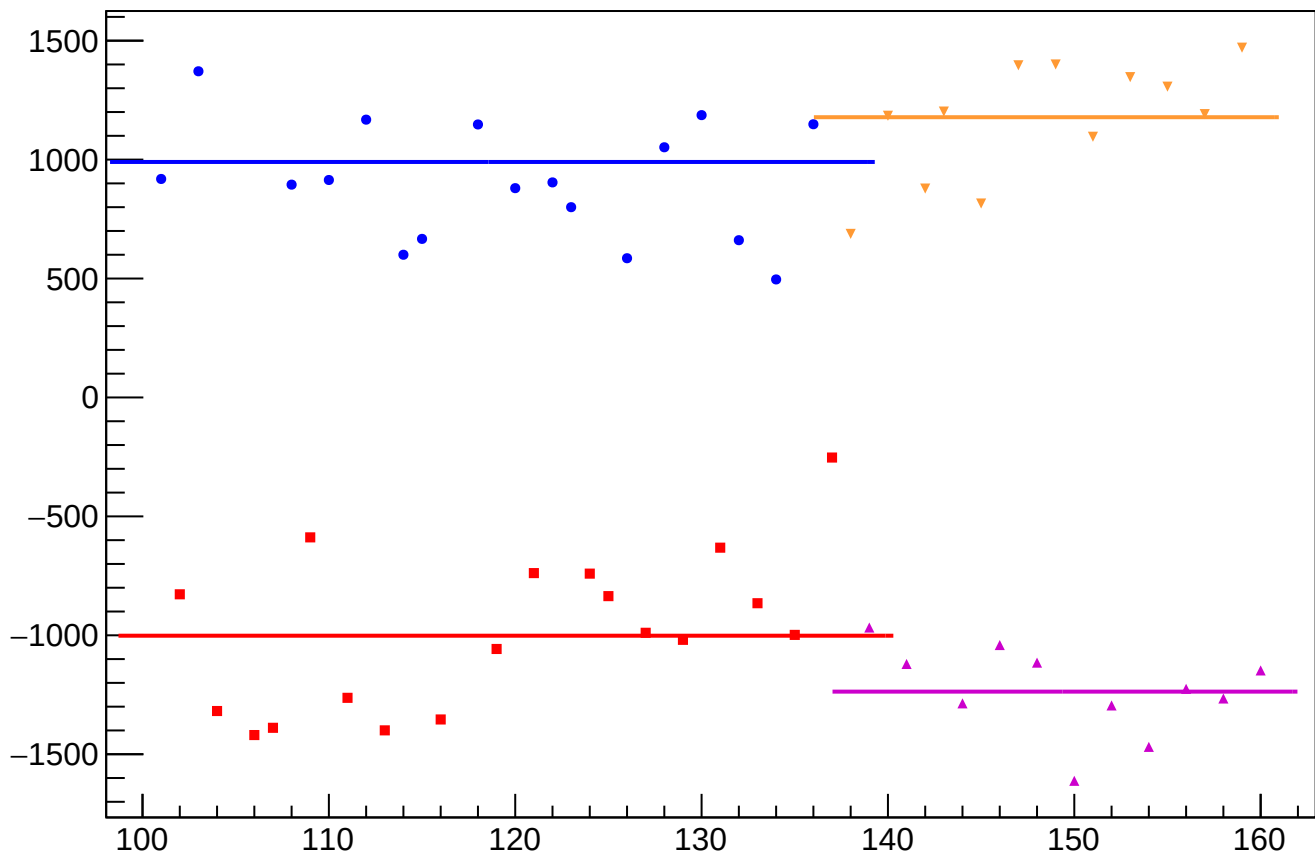
All: -0.023 +/- 0.000 χ^2/NDF : 4118648127034

dit_4eY_coil6_err_mean vs Slug, Sign Corrected



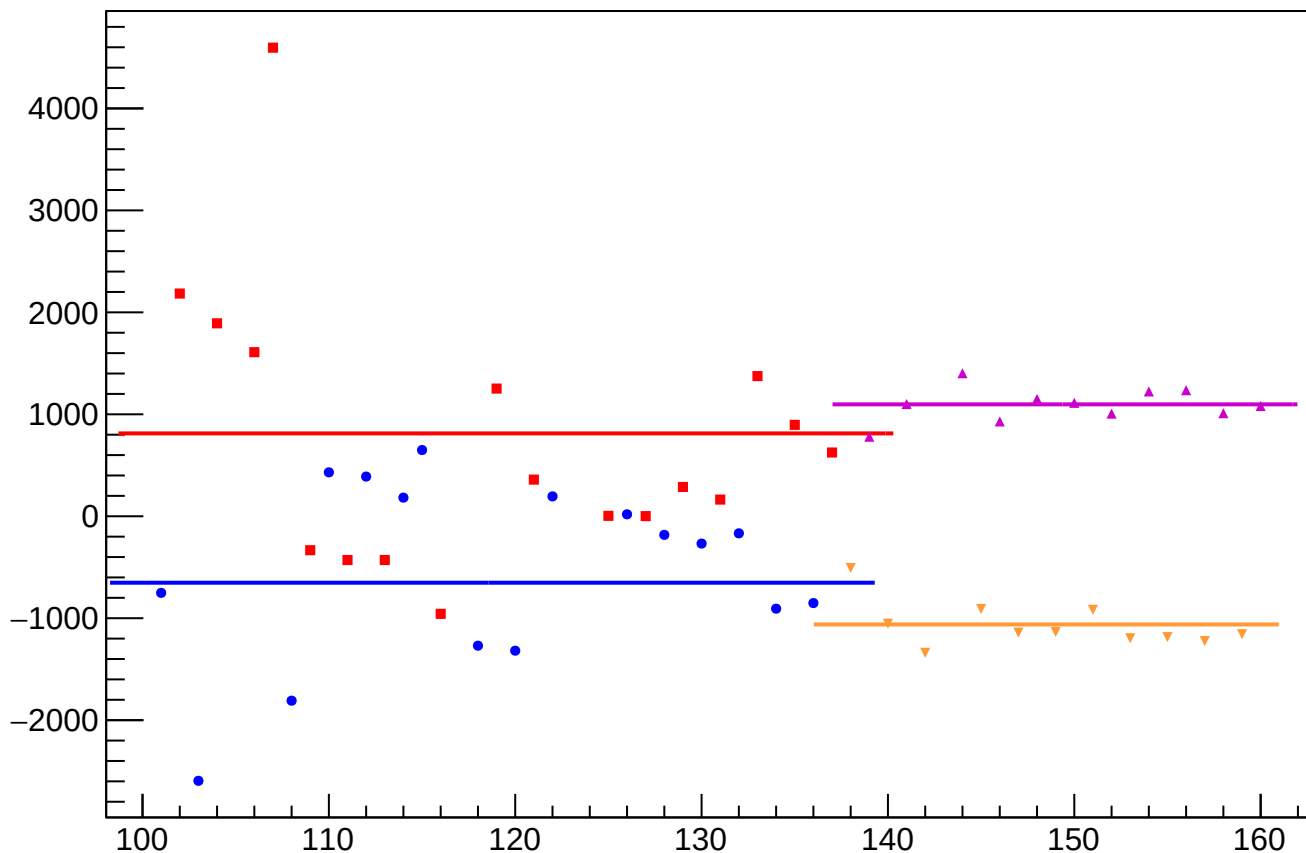
Right In: 1.227 ± 0.000 $\chi^2/\text{NDF}: 1236268785411842731770087408140288.0/16$
 Left Out: 0.386 ± 0.000 $\chi^2/\text{NDF}: 6218656899307774549221745623040.0/11$
 Right Out: -1.045 ± 0.000 $\chi^2/\text{NDF}: 600057841416365938926945245855744.0/17$
 Left In: -0.369 ± 0.000 $\chi^2/\text{NDF}: 4180194840459374093507993010176.0/10$
 All: 0.034 ± 0.000 $\chi^2/\text{NDF}: 39322772320005$

dit_4eY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_usl_coil6_mean vs Slug, Sign Corrected



Right In: -651.720+/-0.000

χ^2/NDF : 51525342951411170908240824492993019904.0/15

Left Out: -1060.938+/-0.000

χ^2/NDF : 37316934369897173476470226506953523200.0/10

Right Out: 812.763+/-0.000

χ^2/NDF : 1101460876390641458322598423370785619968.0/16

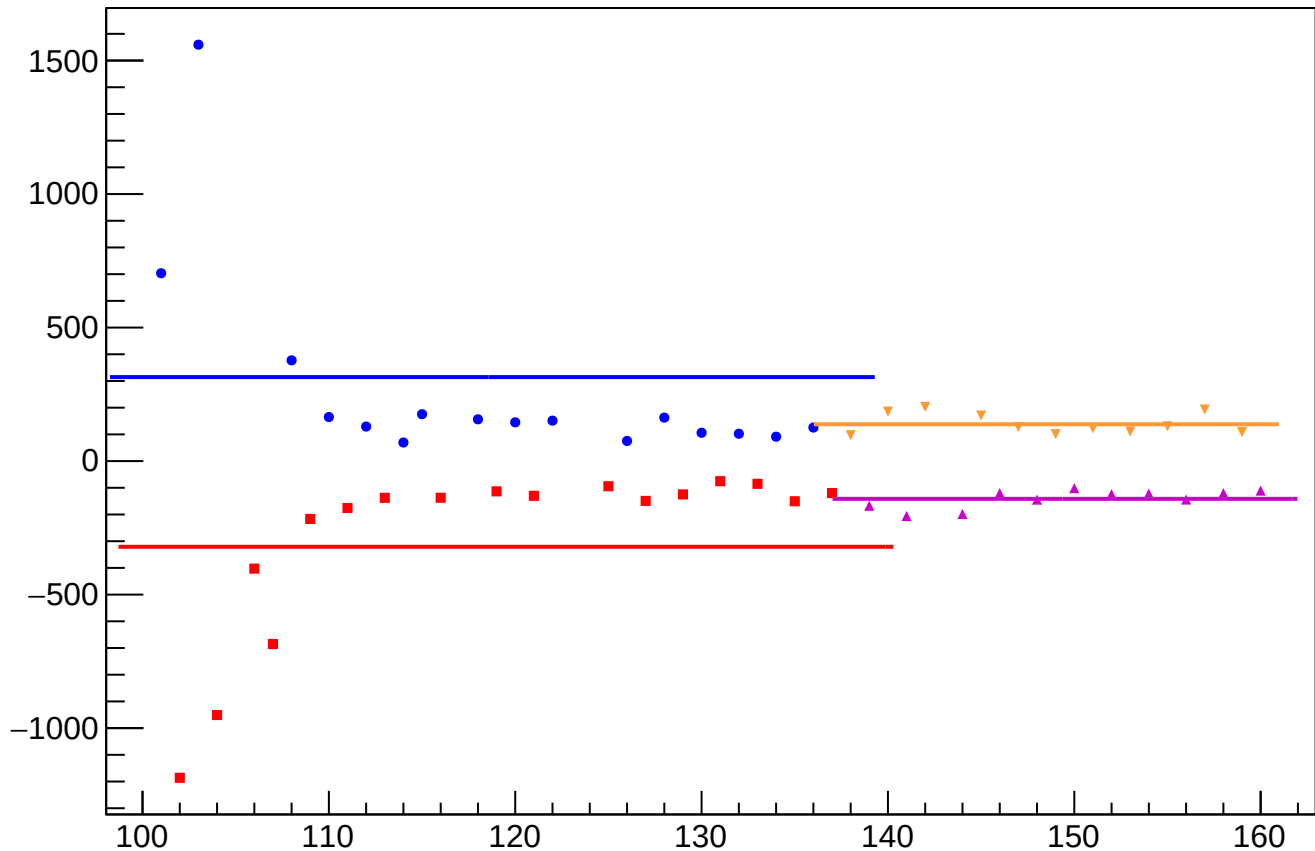
Left In: 1097.494+/-0.000

χ^2/NDF : 23351400853511431173682229401488457728.0/10

All: 79.189+/-0.000

χ^2/NDF : 4485206924735

dit_usl_coil6_err_mean vs Slug, Sign Corrected



Right In: 314.545 +/- 0.000

χ^2/NDF : 119237374869722274381627978354572394496.0/15

Left Out: 137.826 +/- 0.000

χ^2/NDF : 1094456190127485878958561813734621184.0/10

Right Out: -320.904 +/- 0.000

χ^2/NDF : 87674109079535670450798871539758399488.0/16

Left In: -141.362 +/- 0.000

χ^2/NDF : 1055012585821780249716984846873526272.0/10

Left: -8.924 +/- 0.000 χ^2/NDF : 36646985867687386

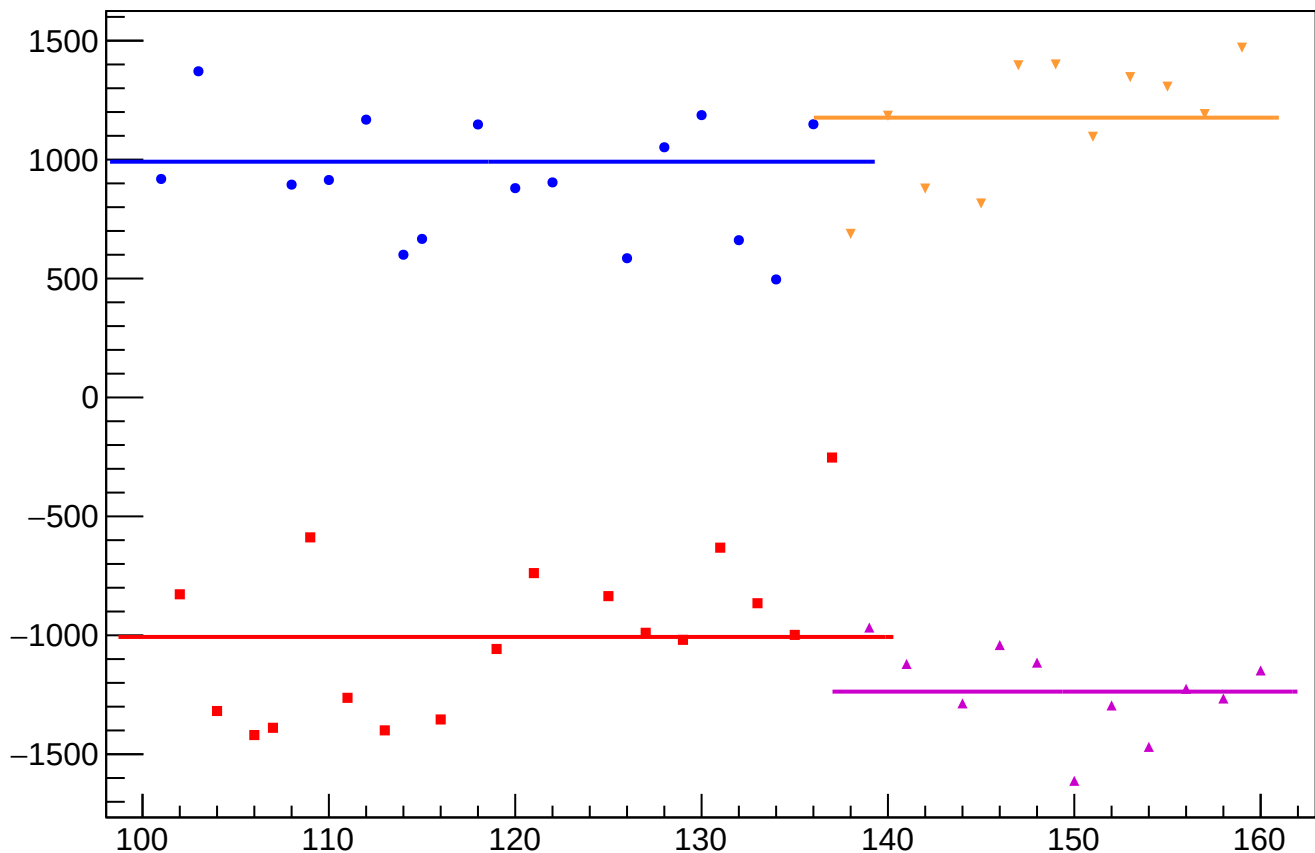
Right: -5.692 +/- 0.000 χ^2/NDF : 3473223749220098

In: 52.462 +/- 0.000 χ^2/NDF : 202737200967554605

Out: -70.579 +/- 0.000 χ^2/NDF : 1692653283089587

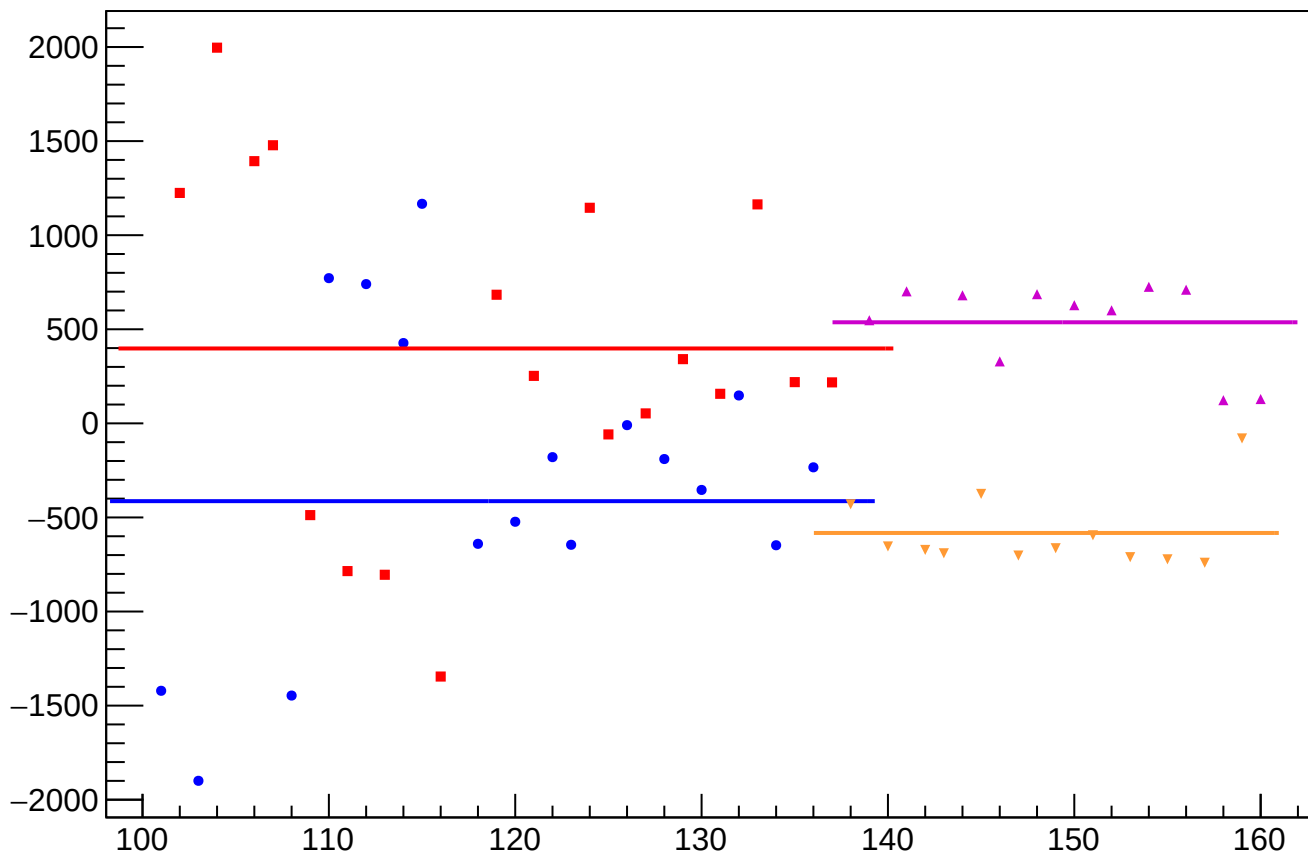
All: -7.504 +/- 0.000 χ^2/NDF : 3839775082009

dit_usl_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 991.206 ± 0.000 $\chi^2/\text{NDF}: 36748853080147814133782972147039207424.0/15$
 Left Out: 1176.365 ± 0.000 $\chi^2/\text{NDF}: 52126967778678264824660469189129011200.0/10$
 Right Out: -1006.896 ± 0.000 $\chi^2/\text{NDF}: 60379057385364851969891575322776698880.0/16$
 Left In: -1236.792 ± 0.000 $\chi^2/\text{NDF}: 30308096320717107629965970940123676672.0/10$
 All: -58.538 ± 0.000 $\chi^2/\text{NDF}: 414968863069$

dit_usr_coil6_mean vs Slug, Sign Corrected



Right In: -413.418+/-0.000

Left Out: -582.459+/-0.000

Right Out: 397.961+/-0.000

Left In: 537.163+/-0.000

χ^2/NDF : 416661262936725907024907175037323182080.0/16

χ^2/NDF : 33467960128357815096221409884680224768.0/11

χ^2/NDF : 544622124437292502497528454351499034624.0/17

χ^2/NDF : 43957458836517899124048676659035897856.0/10

Left: -15.354+/-0.000 χ^2/NDF : 6545881233968408

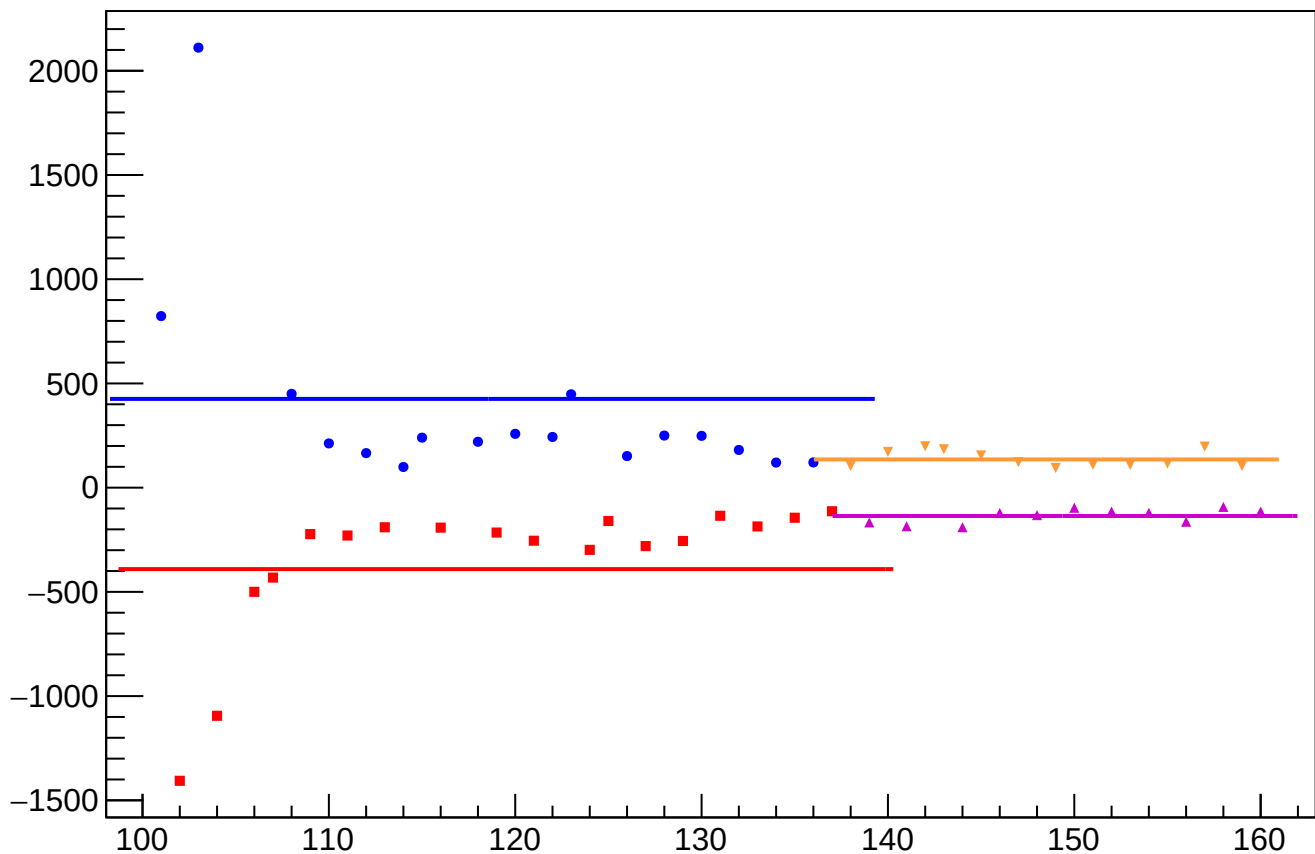
Right: -1.682+/-0.000 χ^2/NDF : 1193130523265405

In: 131.691+/-0.000 χ^2/NDF : 82022859504050620

Out: -150.808+/-0.000 χ^2/NDF : 962777178625152

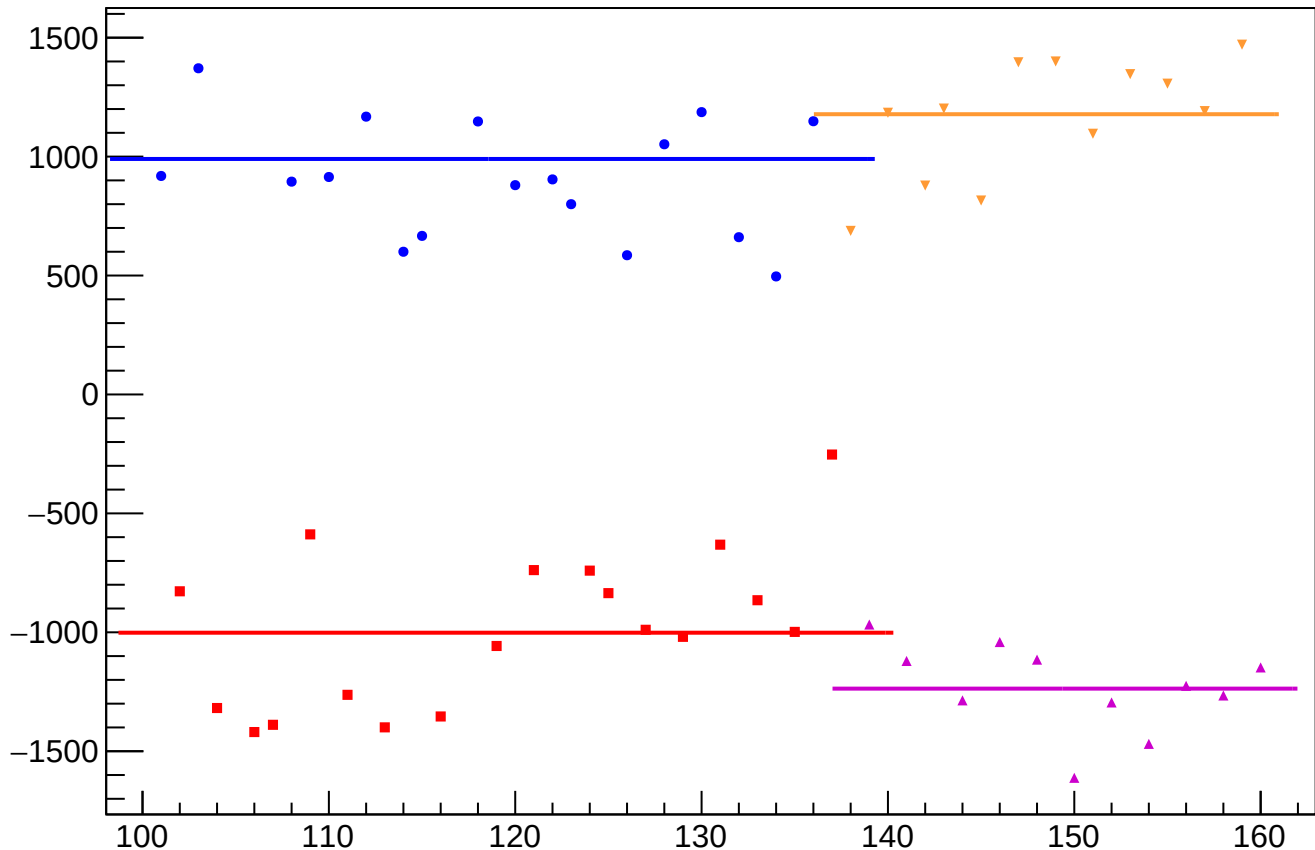
All: -9.429+/-0.000 χ^2/NDF : 1847867869270

dit_usr_coil6_err_mean vs Slug, Sign Corrected



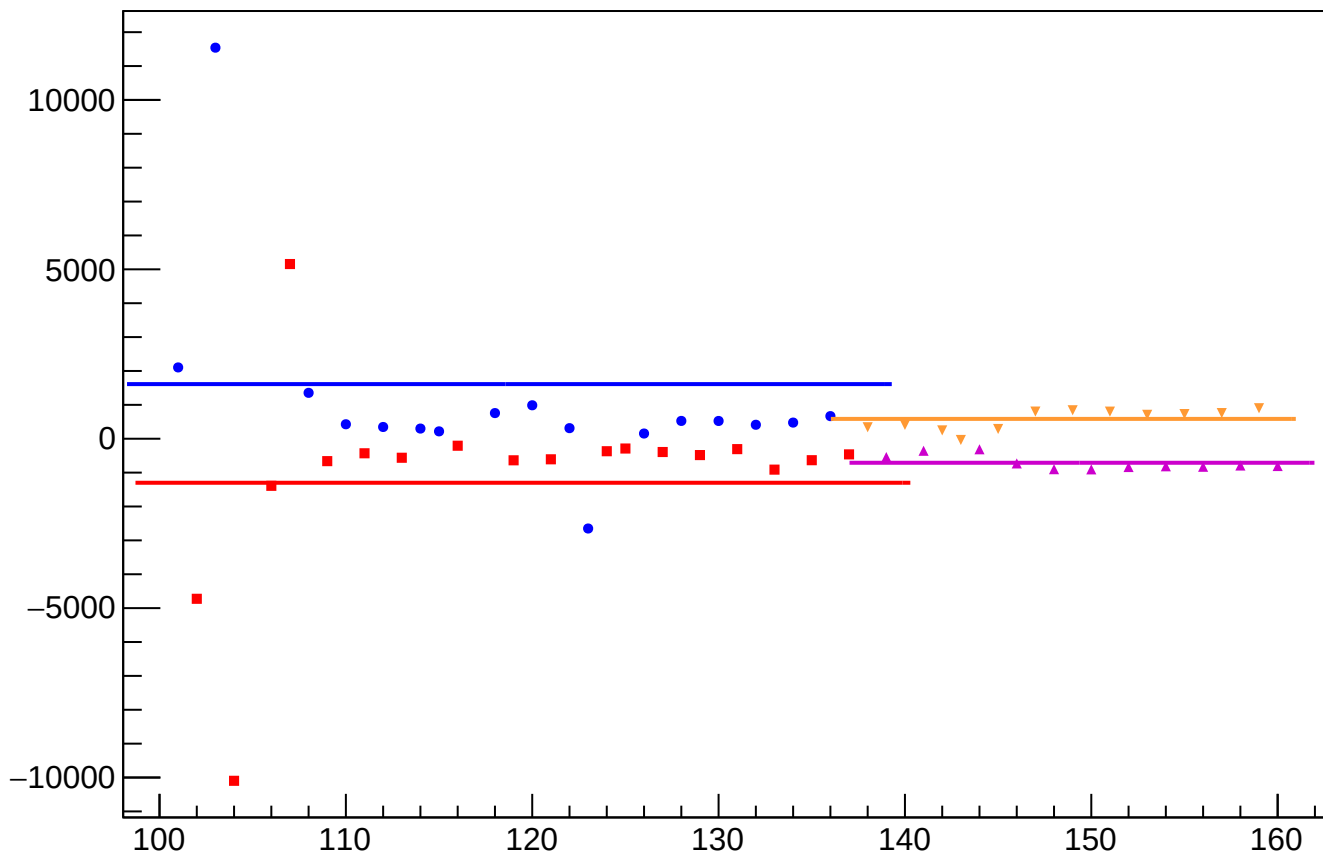
Right In: 425.847 $\pm$ 0.000 χ^2 /NDF: 207036344088227618256858466697210757120.0/16
 Left Out: 135.302 $\pm$ 0.000 χ^2 /NDF: 1213972117724638790045949459626459136.0/11
 Right Out: -390.709 $\pm$ 0.000 χ^2 /NDF: 105177402148385851360915440950786916352.0/17
 Left In: -135.877 $\pm$ 0.000 χ^2 /NDF: 1013407653524592727671386529217904640.0/10
 All: 3.814 $\pm$ 0.000 χ^2 /NDF: 58326132779015

dit_usr_coil6_Ndata_mean vs Slug, Sign Corrected



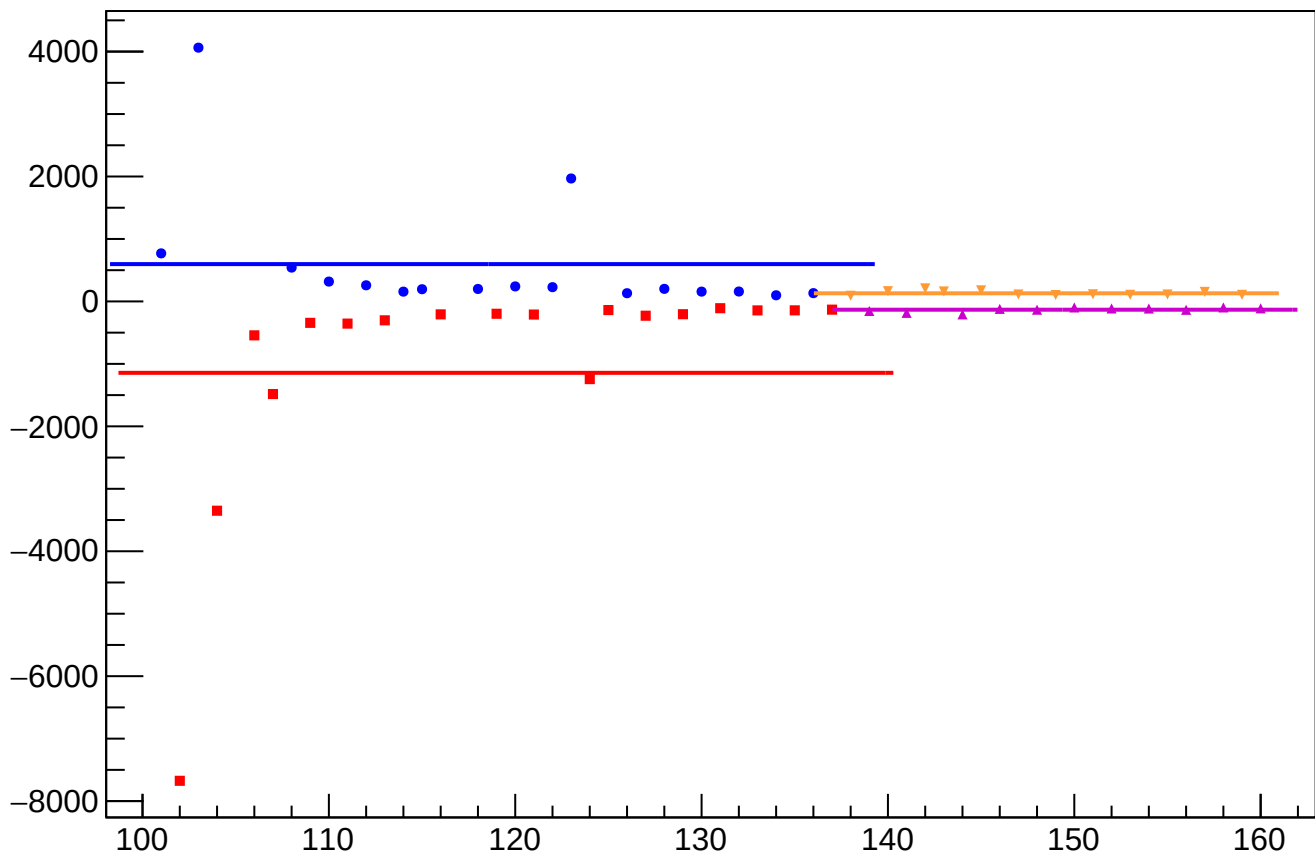
Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_atl1_coil6_mean vs Slug, Sign Corrected



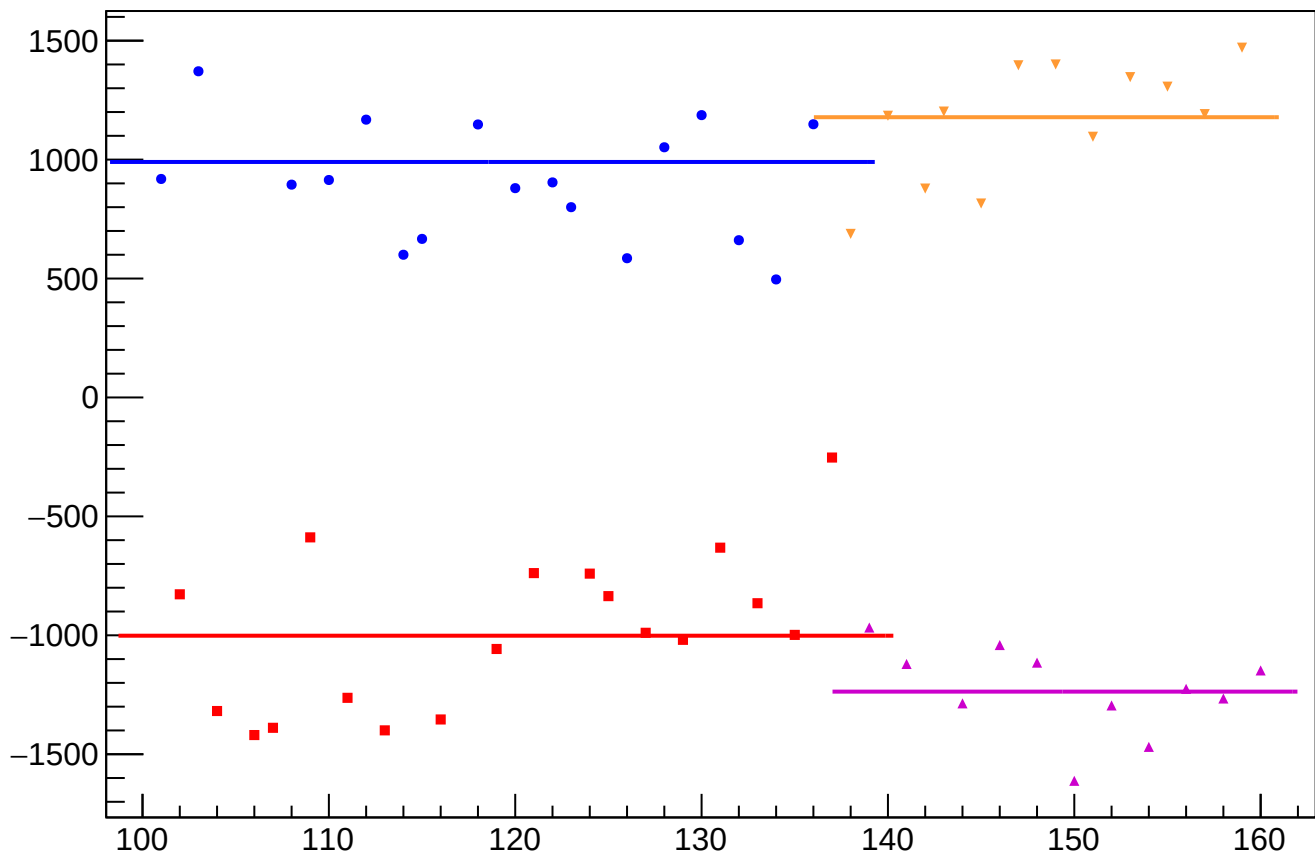
Left: -70.535 ± 0.000 $\chi^2/\text{NDF}: 8814166547706213$
 Right In: 1612.346 ± 0.000 $\chi^2/\text{NDF}: 6578565632222822389389916952029424517120.0/16$
 Left Out: 585.355 ± 0.000 $\chi^2/\text{NDF}: 71064130905944539858639816600462557184.0/11$
 Right Out: -1299.611 ± 0.000 $\chi^2/\text{NDF}: 6468181068576271058681439598083982753792.0/17$
 In: 280.858 ± 0.000 $\chi^2/\text{NDF}: 87624471032682439$
 Out: -244.541 ± 0.000 $\chi^2/\text{NDF}: 796121639516906$
 Left In: -709.552 ± 0.000 $\chi^2/\text{NDF}: 38324887242823833367835539132322414592.0/10$
 All: 18.401 ± 0.000 $\chi^2/\text{NDF}: 1694801829865$

dit_atl1_coil6_err_mean vs Slug, Sign Corrected



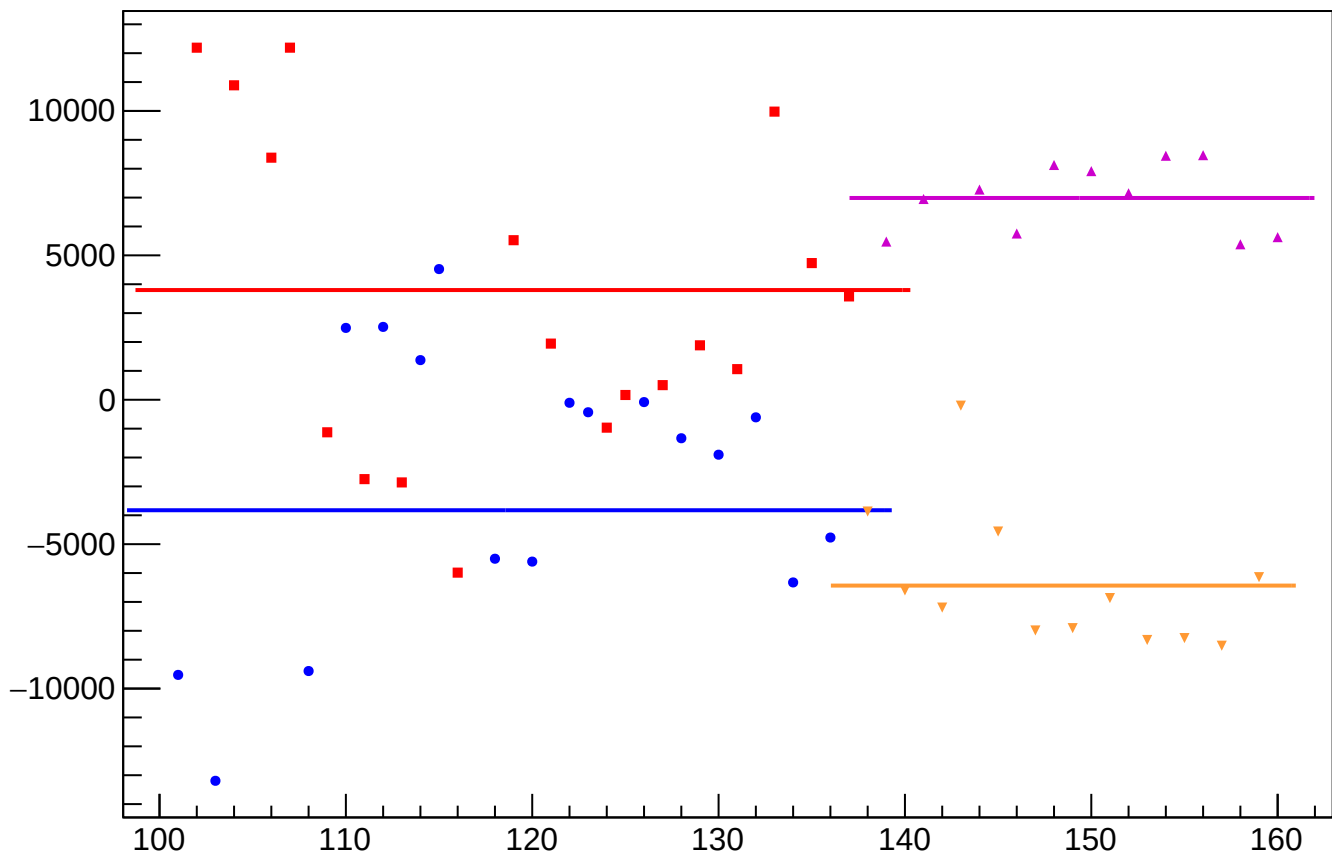
Left: -3.028 ± 0.000 $\chi^2/\text{NDF}: 33889688901035256$
 Right In: 597.382 ± 0.000 $\chi^2/\text{NDF}: 808468639420281882930484113186400239616.0/16$
 Right: -285.870 ± 0.000 $\chi^2/\text{NDF}: 50680370930109$
 Left Out: 130.051 ± 0.000 $\chi^2/\text{NDF}: 1012152339815276325722639516246736896.0/11$
 In: 178.727 ± 0.000 $\chi^2/\text{NDF}: 10216812314521010$
 Right Out: -1143.180 ± 0.000 $\chi^2/\text{NDF}: 3192644561132334907368616853810301632512.0/17$
 Out: -430.516 ± 0.000 $\chi^2/\text{NDF}: 384243763788041$
 Left In: -132.683 ± 0.000 $\chi^2/\text{NDF}: 1095069941425855295085560512768901120.0/10$
 All: -125.613 ± 0.000 $\chi^2/\text{NDF}: 51657930669$

dit_atl1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_atl2_coil6_mean vs Slug, Sign Corrected



Right In: -3825.392 +/- 0.000

Left Out: -6434.104 +/- 0.000

Right Out: 3798.528 +/- 0.000

Left In: 6986.598 +/- 0.000

Left: 363.678 +/- 0.000 χ^2/NDF : 8885863810237189

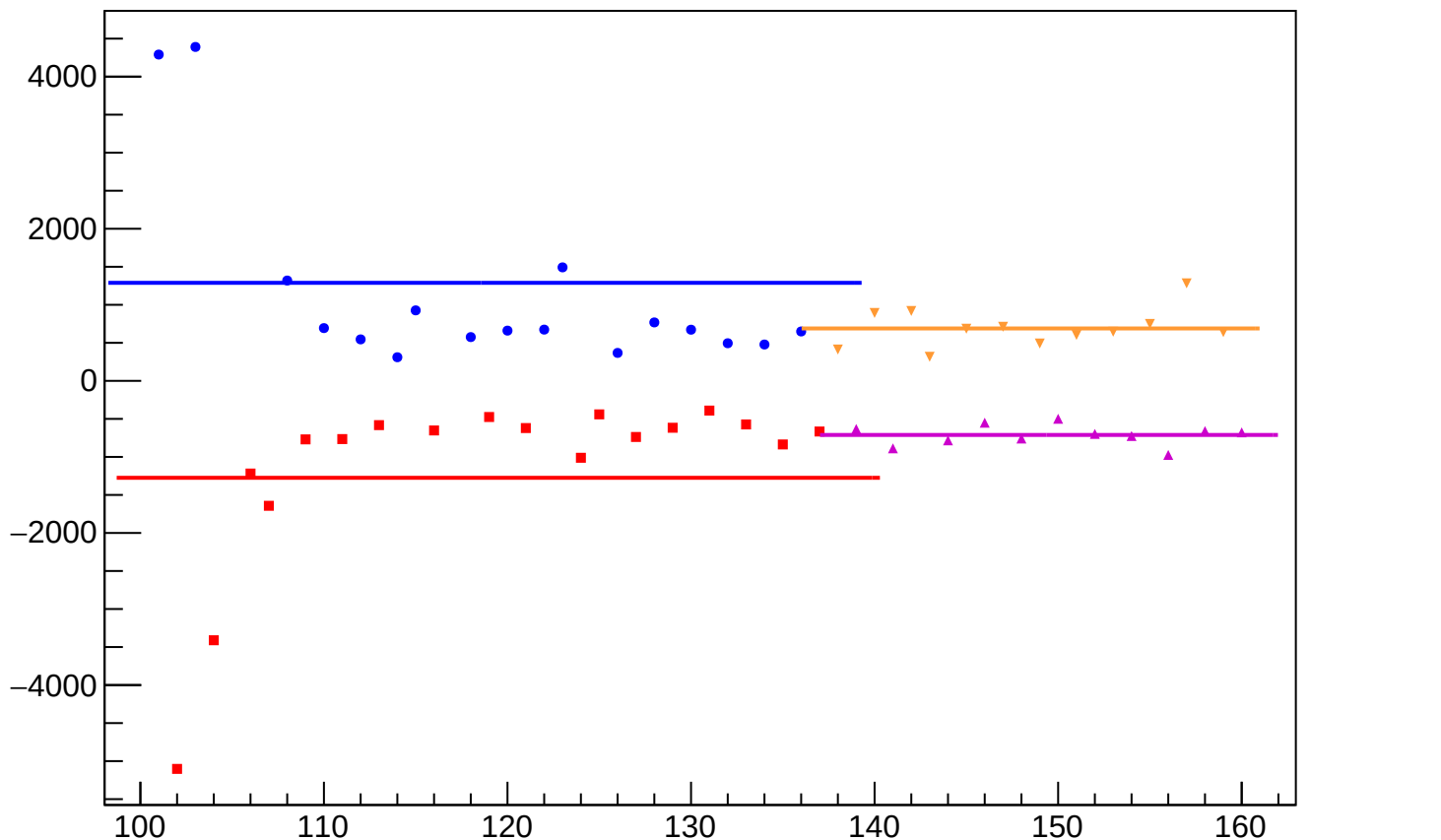
Right: 43.382 +/- 0.000 χ^2/NDF : 5704630071660789

In: 2374.723 +/- 0.000 χ^2/NDF : 6320353446593987

Out: -1928.973 +/- 0.000 χ^2/NDF : 67729726367742

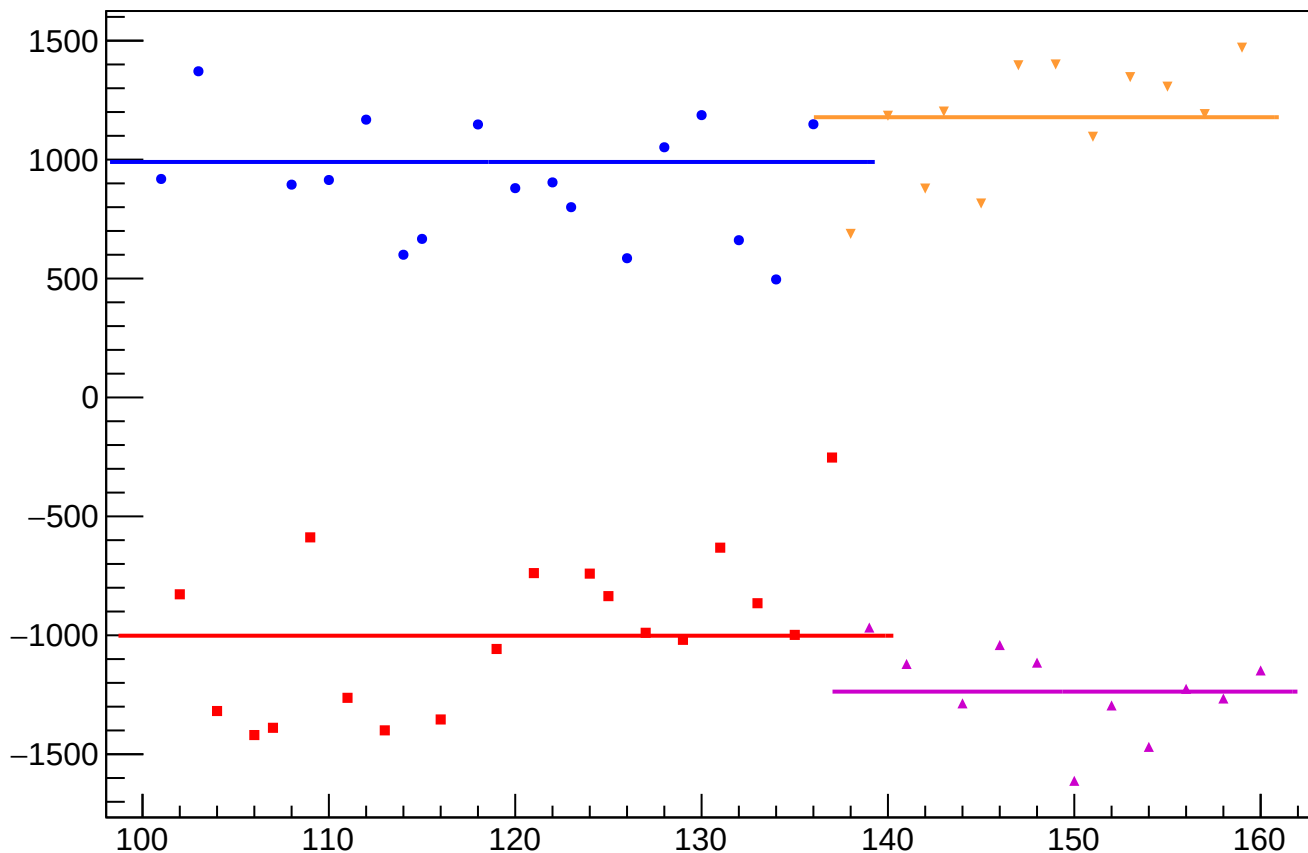
All: 224.860 +/- 0.000 χ^2/NDF : 145986839293

dit_atl2_coil6_err_mean vs Slug, Sign Corrected



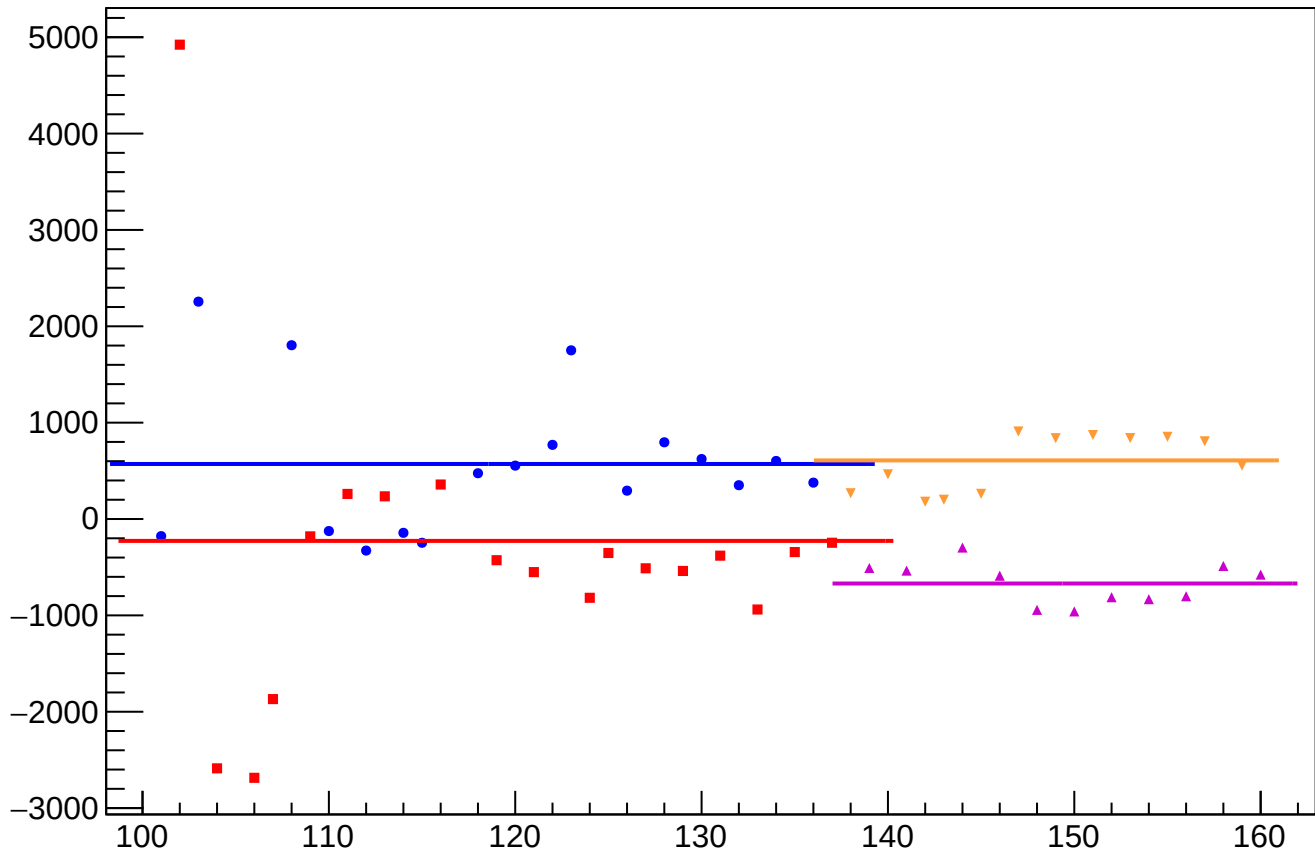
Right In: 1288.972+/-0.000 χ^2/NDF : 1352910763882575479104094227028785496064.0/16
 Left Out: 689.077+/-0.000 χ^2/NDF : 51672387047118863079417001056116146176.0/11
 Right Out: -1274.734+/-0.000 χ^2/NDF : 1316265489507064730168544372361657319424.0/17
 Left In: -711.332+/-0.000 χ^2/NDF : 15887933249894385970628581231809265664.0/10
 All: -16.668+/-0.000 χ^2/NDF : 595442451366

dit_atl2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_atr1_coil6_mean vs Slug, Sign Corrected



Right In: 571.105+/-0.000

χ^2/NDF : 348676559810482432881112105158952615936.0/16

Left Out: 608.402+/-0.000

χ^2/NDF : 69117421342453825845201605751792992256.0/11

Right Out: -227.021+/-0.000

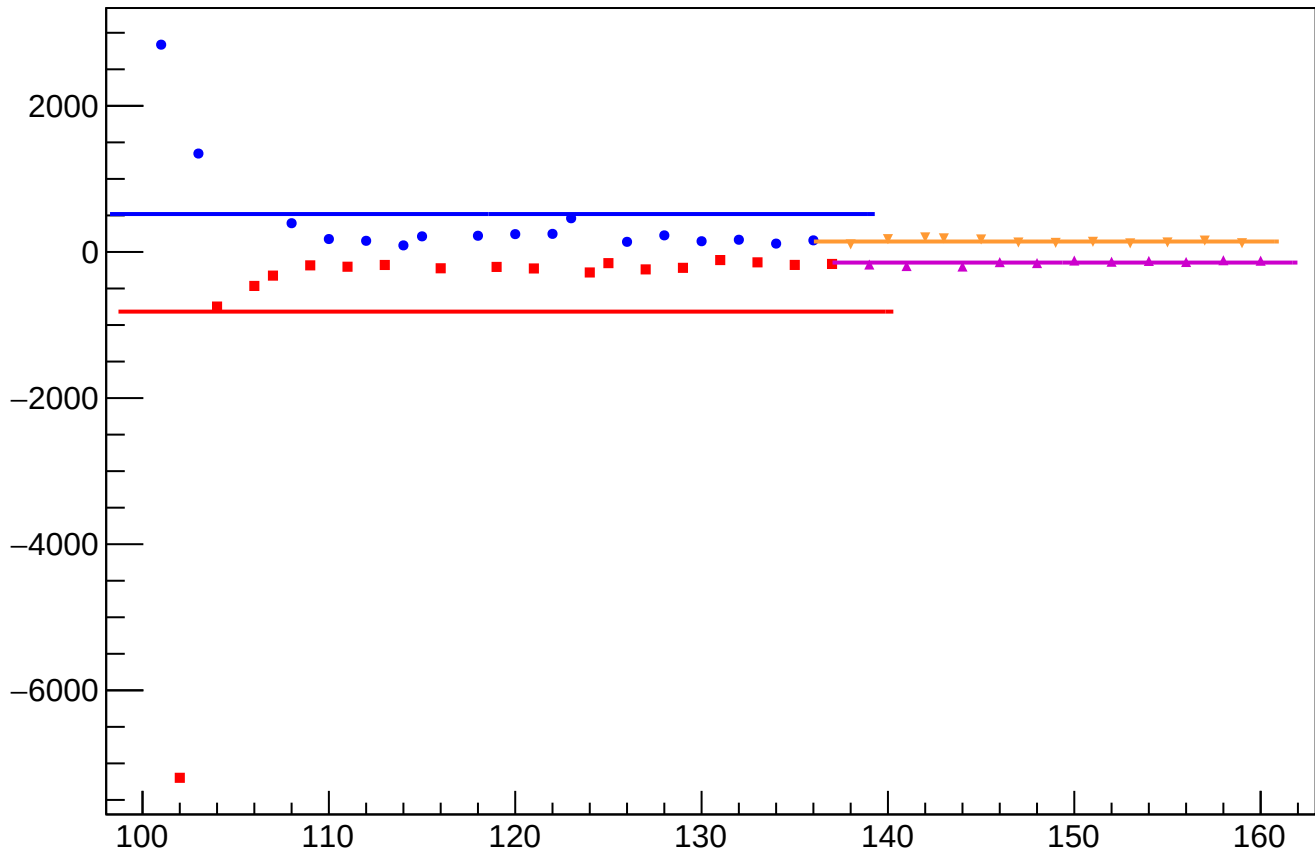
χ^2/NDF : 2178465037537899335461890002061994491904.0/17

Left In: -669.223+/-0.000

χ^2/NDF : 39382312244115775396192244581527453696.0/10

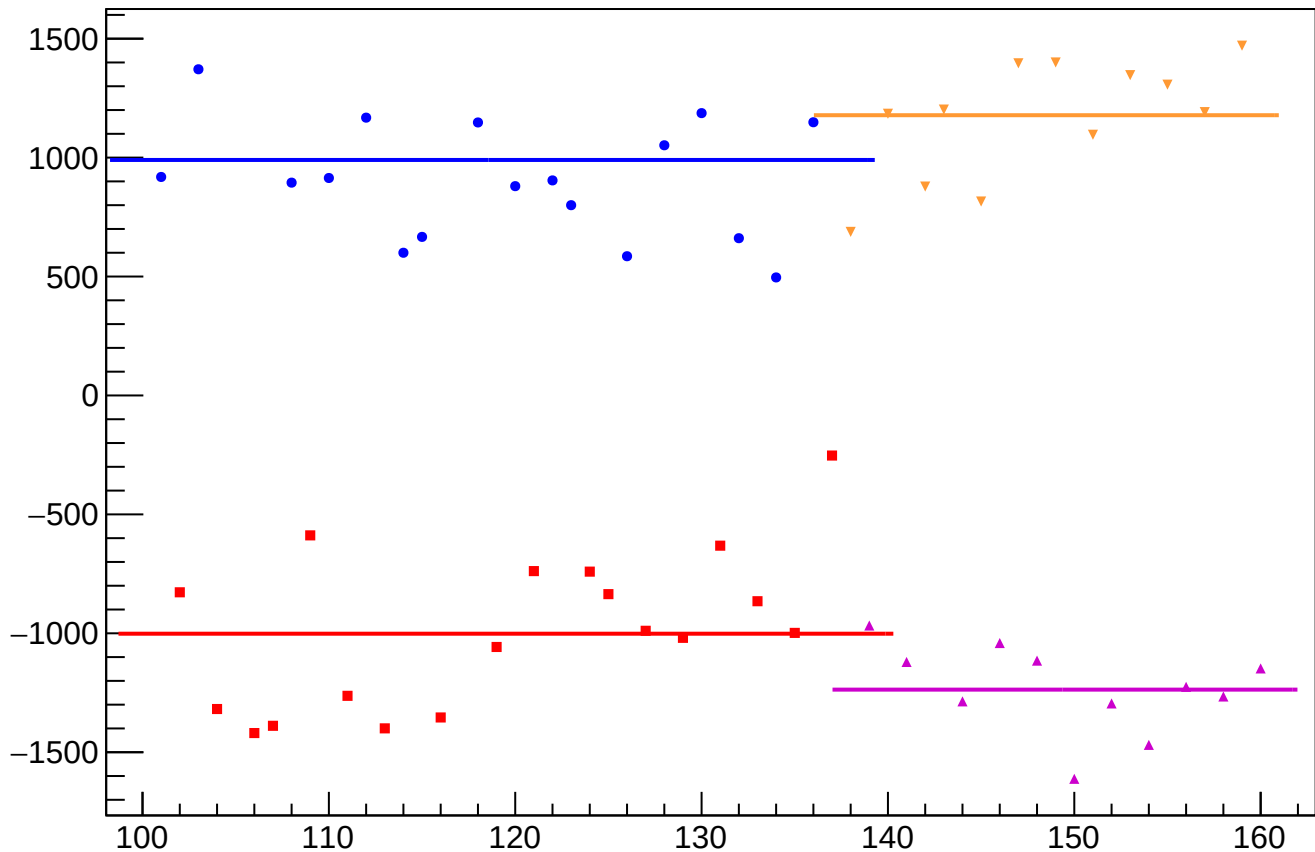
All: 50.040+/-0.000 χ^2/NDF : 3645028648995

dit_atr1_coil6_err_mean vs Slug, Sign Corrected



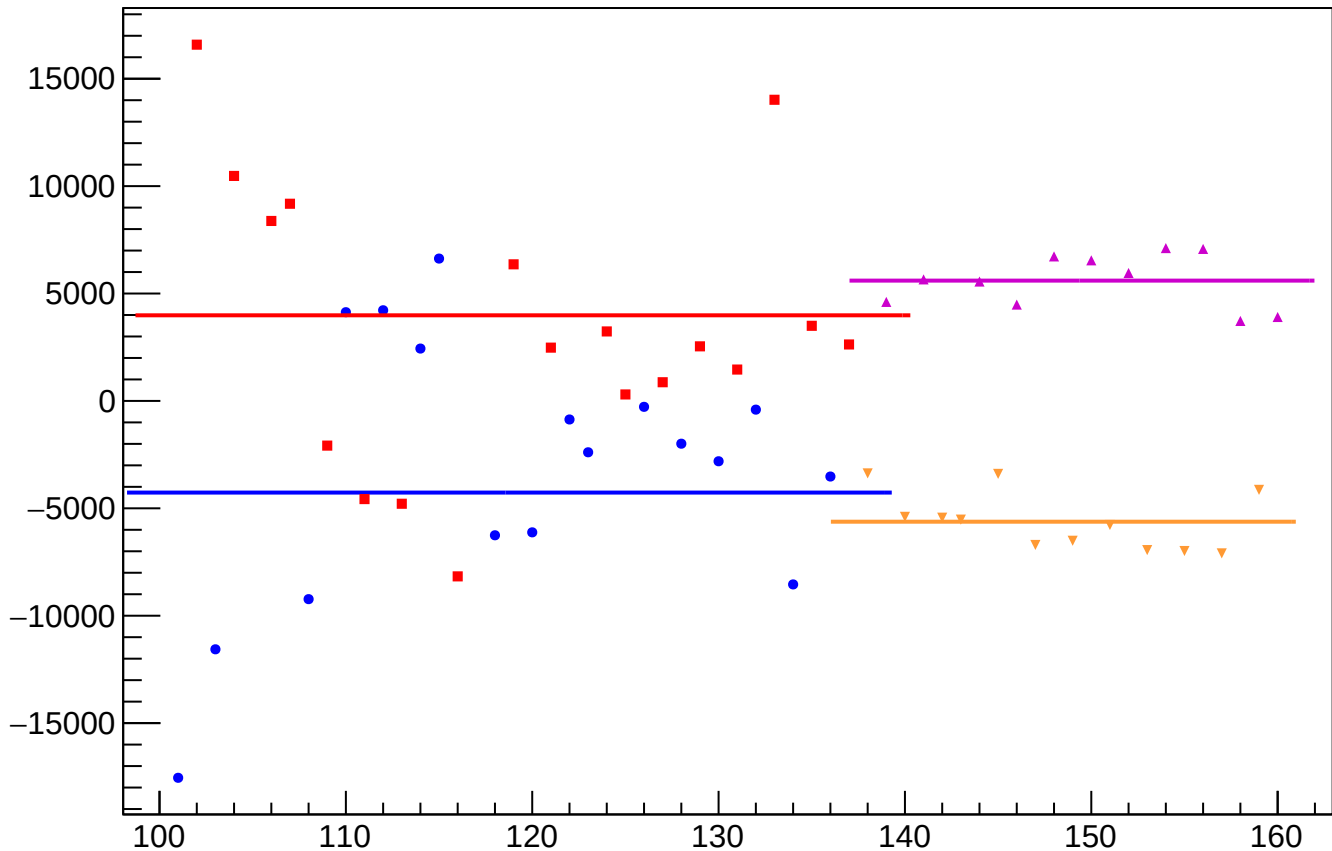
Right In: 519.063+/-0.000 χ^2/NDF : 420187131793740379632134790837132328960.0/16
 Left Out: 143.116+/-0.000 χ^2/NDF : 711290210266154833943358309092294656.0/11
 Right Out: -816.445+/-0.000 χ^2/NDF : 2586841774338234136799977462346624794624.0/17
 Left In: -145.264+/-0.000 χ^2/NDF : 787451488433589165323793528208228352.0/10
 All: -70.430+/-0.000 χ^2/NDF : 369429588208

dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected



Left: -45.003+/-0.000 χ^2/NDF : 2767859757374114
 Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 5216770532463382200265414592767721472.0/11
 Right: -20.633+/-0.000 χ^2/NDF : 149538797073234
 In: -286.905+/-0.000 χ^2/NDF : 2040776092386221
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Out: 218.490+/-0.000 χ^2/NDF : 2015349576700865
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_atr2_coil6_mean vs Slug, Sign Corrected



Right In: -4266.932 $\pm$ 0.000

χ^2/NDF : 25403959108162984315551486343624496513024.0/16

Left Out: -5623.118 $\pm$ 0.000

χ^2/NDF : 1581209031874296874377039249105372577792.0/11

Right Out: 3985.866 $\pm$ 0.000

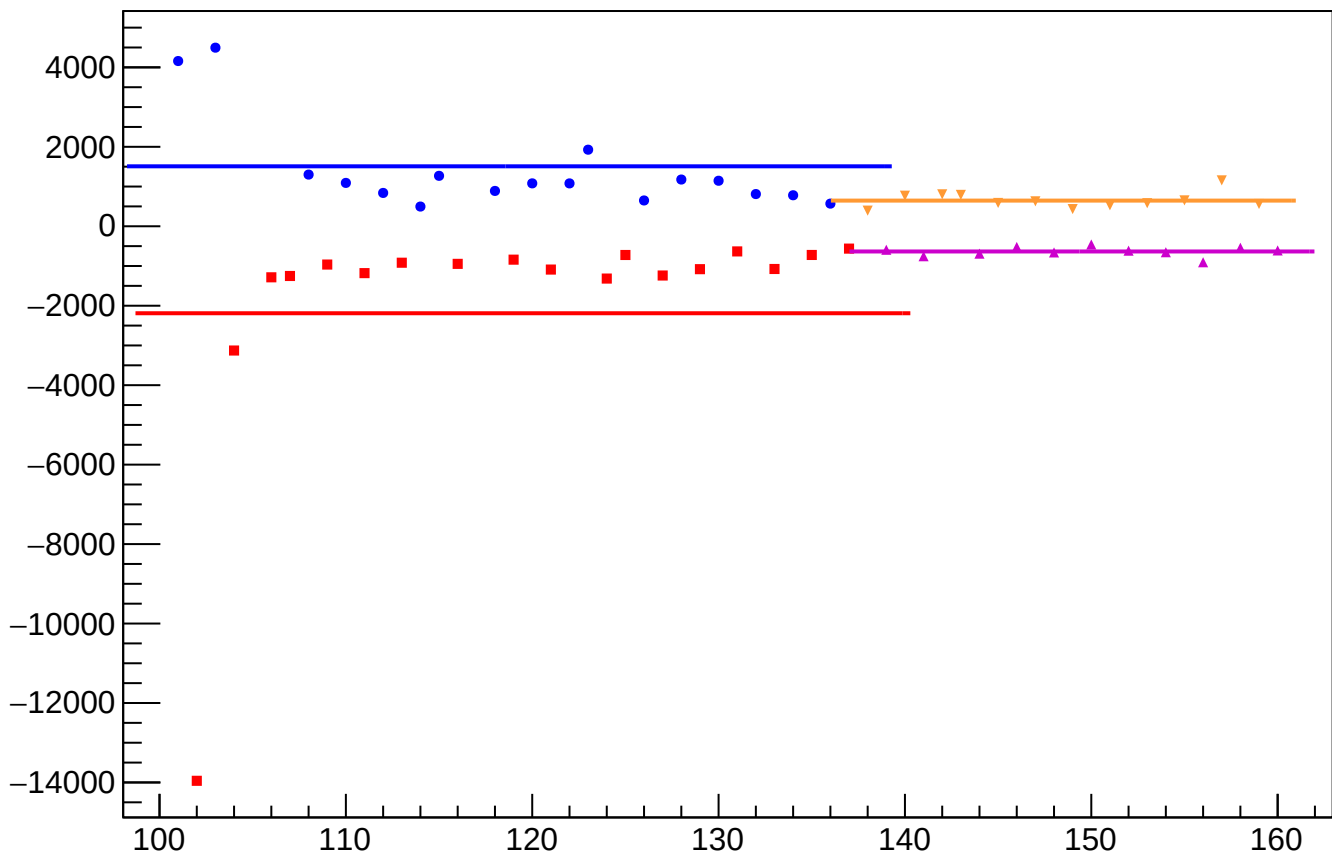
χ^2/NDF : 31378292211366162940134938718336985333760.0/17

Left In: 5600.969 $\pm$ 0.000

χ^2/NDF : 1284033803057879693677598537255558840320.0/10

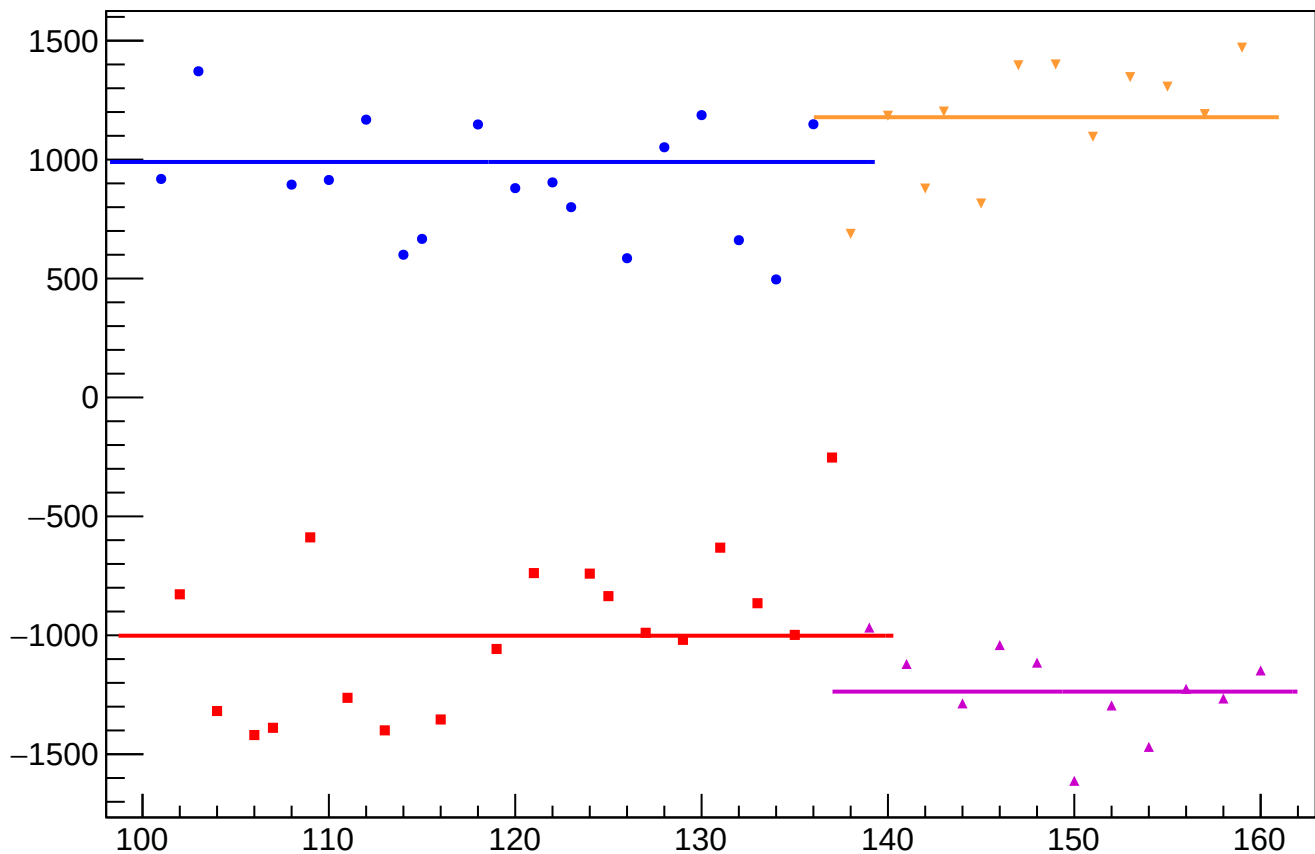
All: 0.902 $\pm$ 0.000 χ^2/NDF : 14165334325845

dit_atr2_coil6_err_mean vs Slug, Sign Corrected



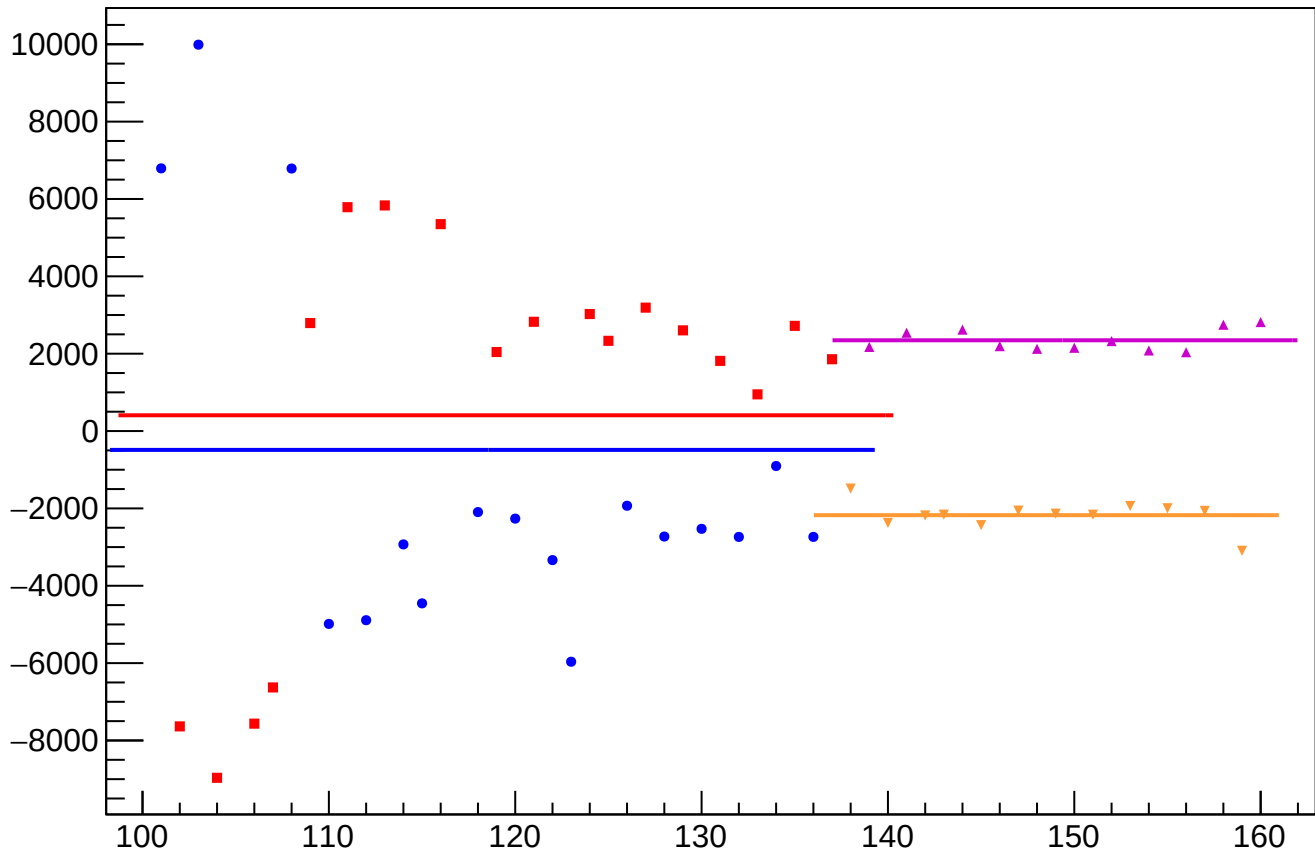
Right In: 1509.121+/-0.000 χ^2/NDF : 1169972089698319936649693761541425332224.0/16
 Left Out: 646.174+/-0.000 χ^2/NDF : 34105781677425395538056373827956375552.0/11
 Right Out: -2189.301+/-0.000 χ^2/NDF : 8986539063289018670432989988372162281472.0/17
 Left In: -634.343+/-0.000 χ^2/NDF : 12312915107383873124917312703313215488.0/10
 All: -160.717+/-0.000 χ^2/NDF : 15881502156

dit_atr2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_sam1_coil6_mean vs Slug, Sign Corrected



Right In: -487.313+/-0.000

χ^2/NDF : 15477070218746492867636387900929916010496.0/16

Left Out: -2174.754+/-0.000

χ^2/NDF : 122757210138541314425031010279093174272.0/11

Right Out: 407.637+/-0.000

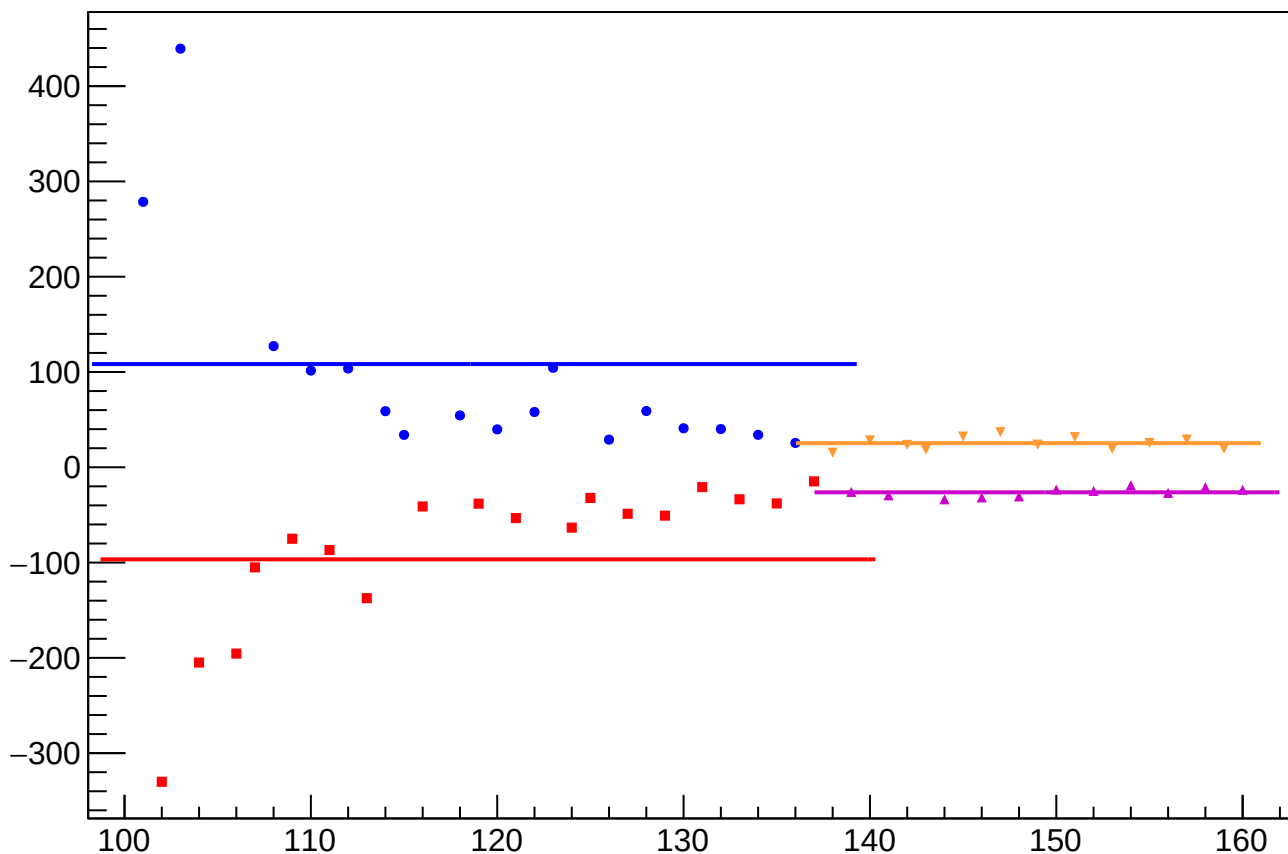
χ^2/NDF : 17046160329483633481850056075702270164992.0/17

Left In: 2346.925+/-0.000

χ^2/NDF : 6716906327196763069010620899655680.0/10

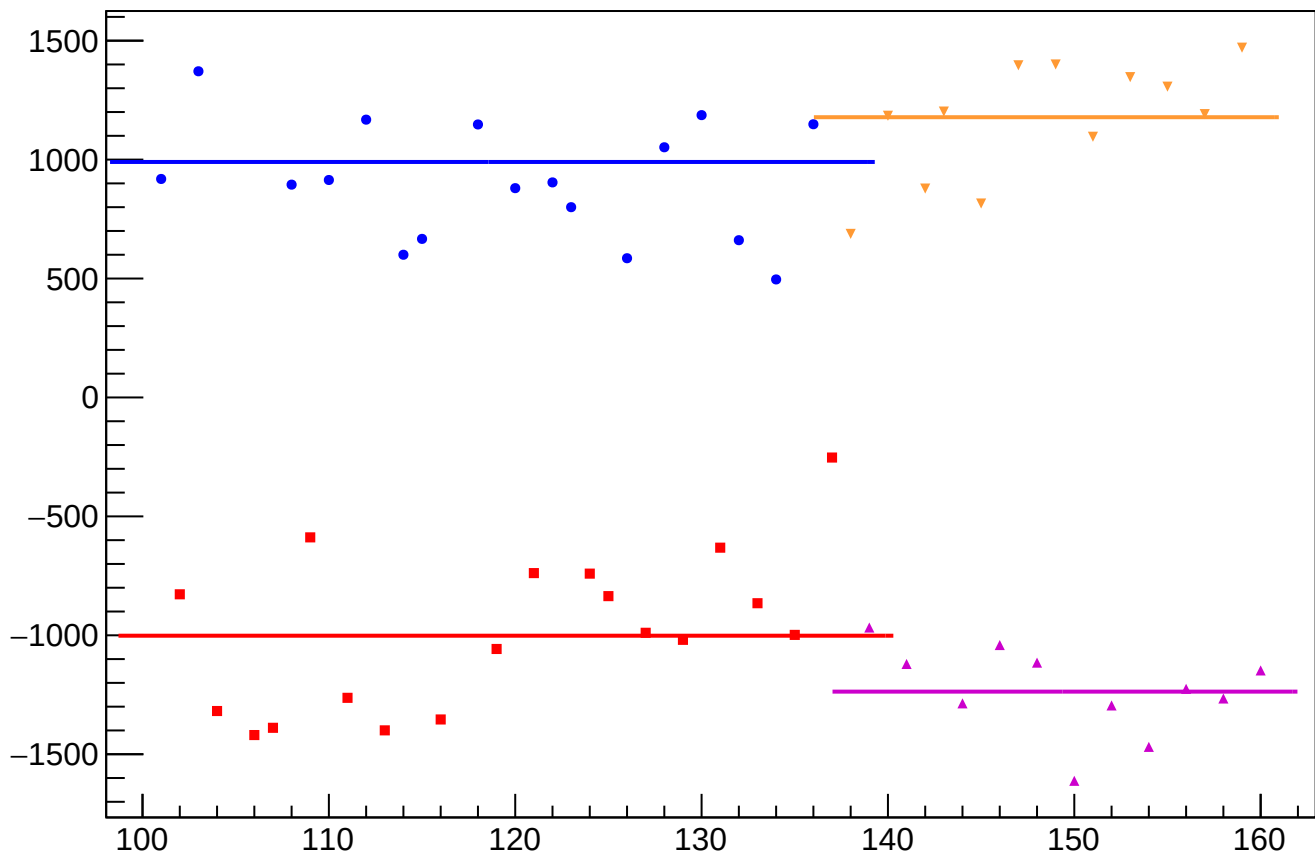
All: 51.090+/-0.000 χ^2/NDF : 4242647048675

dit_sam1_coil6_err_mean vs Slug, Sign Corrected



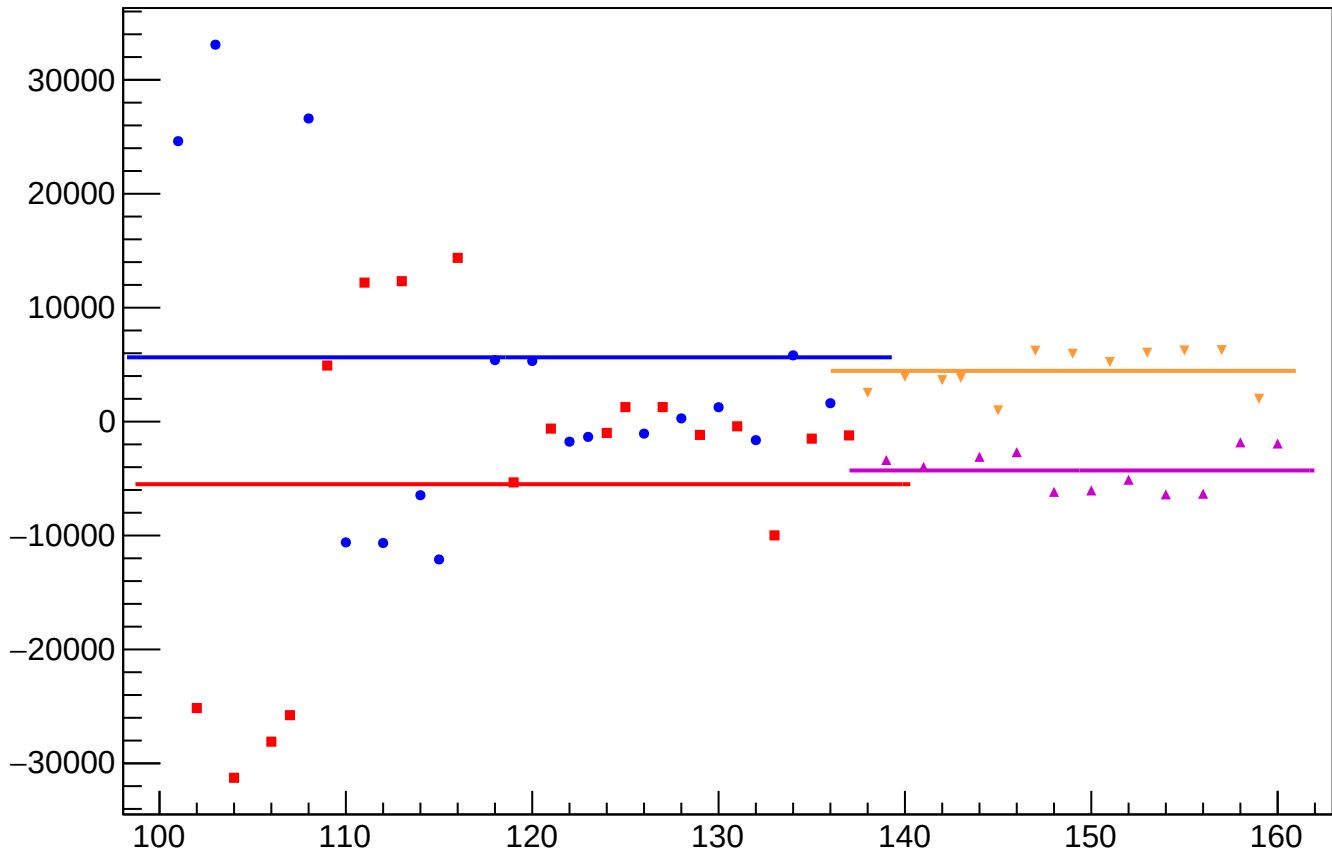
Right In: 108.310 $\pm$ 0.000 χ^2 /NDF: 10240592139421231918957200369451532288.0/16
 Left Out: 25.343 $\pm$ 0.000 χ^2 /NDF: 36110419999442203641332872035434496.0/11
 Right Out: -96.612 $\pm$ 0.000 χ^2 /NDF: 5525873832888071130304914389362278400.0/17
 Left In: -26.267 $\pm$ 0.000 χ^2 /NDF: 18381454665021153689982878819024896.0/10
 All: 1.421 $\pm$ 0.000 χ^2 /NDF: 31856999300877

dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected



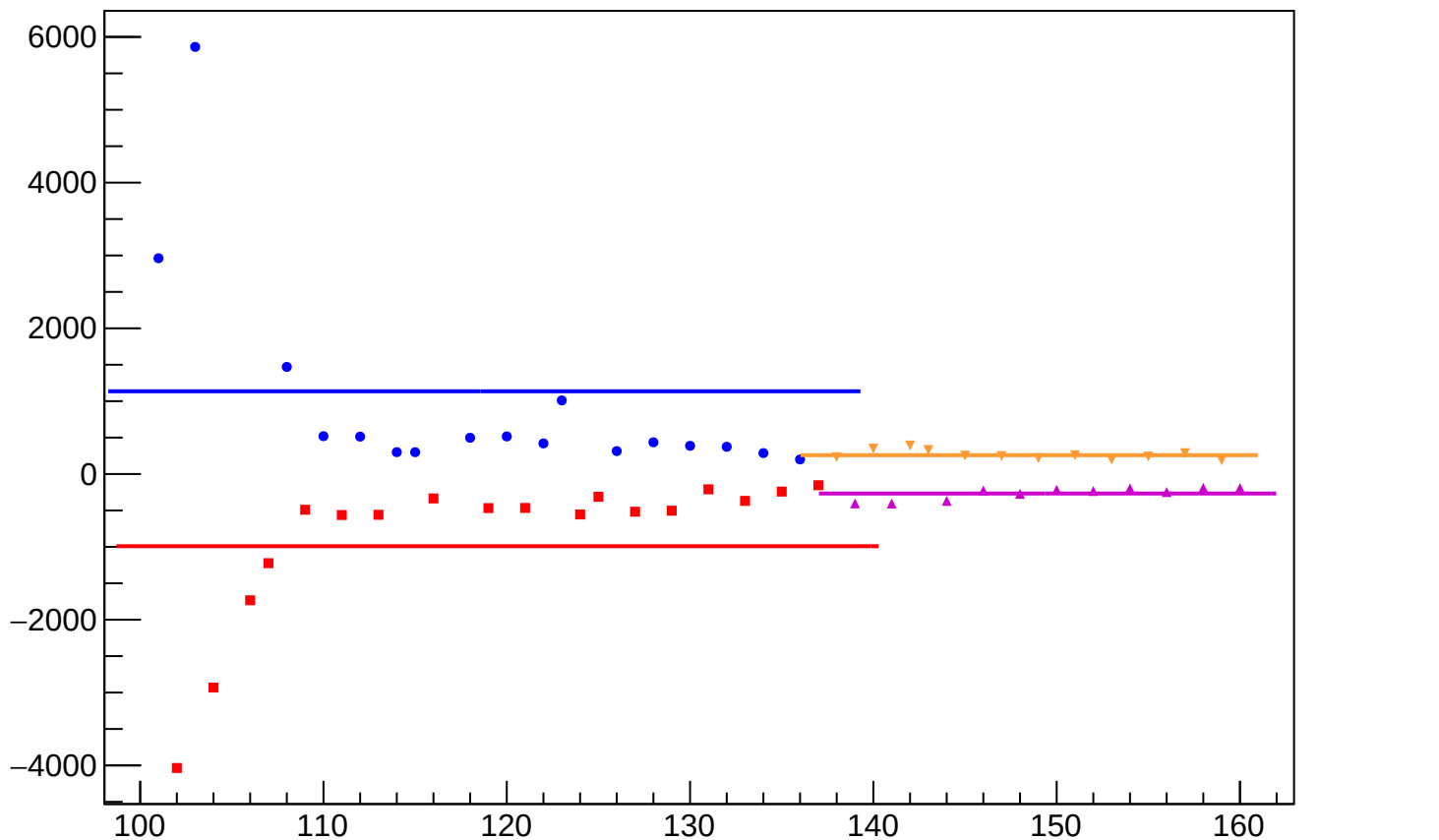
Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_sam2_coil6_mean vs Slug, Sign Corrected



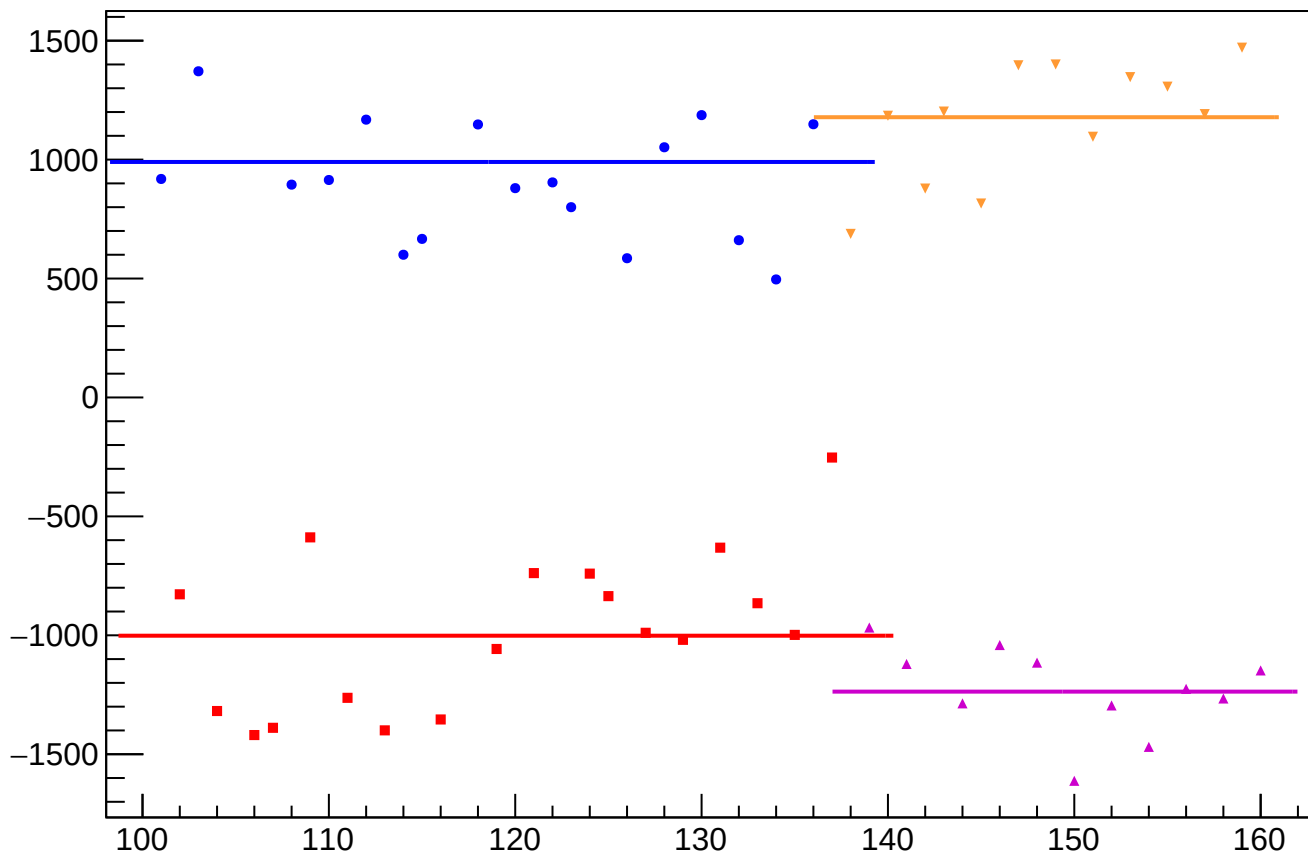
Right In: 5643.213+/-0.000 χ^2/NDF : 120843746110128548402153277612724047577088.0/16
 Left Out: 4452.458+/-0.000 χ^2/NDF : 2985929789295198919987260133715107381248.0/11
 Right Out: -5495.452+/-0.000 χ^2/NDF : 139584988563962510194230278268369577705472.0/17
 Left In: -4288.058+/-0.000 χ^2/NDF : 273563671238509418745516578877797910528.0/10
 All: 10.356+/-0.000 χ^2/NDF : 3450198120051

dit_sam2_coil6_err_mean vs Slug, Sign Corrected



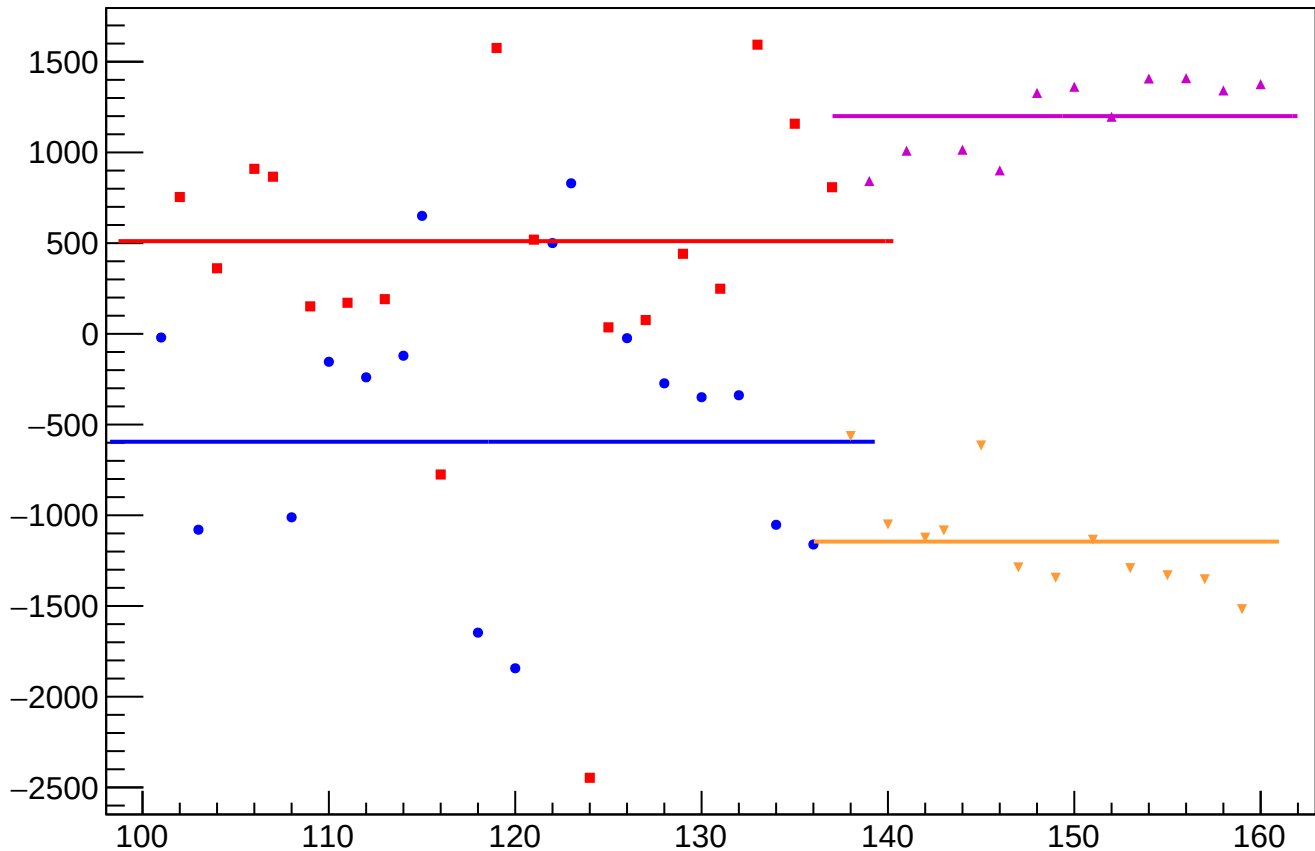
Right In: 1135.811+/-0.000 χ^2/NDF : 1824005819812756990146951558918737756160.0/16
 Left Out: 258.670+/-0.000 χ^2/NDF : 2829286833241859007622586413730496512.0/11
 Right Out: -990.520+/-0.000 χ^2/NDF : 932180516409120093653543317868461948928.0/17
 Left In: -267.701+/-0.000 χ^2/NDF : 5915399599612443264375094627914481664.0/10
 All: 20.116+/-0.000 χ^2/NDF : 4488112882627

dit_sam2_coil6_Ndata_mean vs Slug, Sign Corrected



Left: -45.003+/-0.000 χ^2/NDF : 2767859757374114
 Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Right: -20.633+/-0.000 χ^2/NDF : 149538797073234
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 In: -286.905+/-0.000 χ^2/NDF : 2040776092386221
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Out: 218.490+/-0.000 χ^2/NDF : 2015349576700865
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_sam3_coil6_mean vs Slug, Sign Corrected



Right In: -594.642+/-0.000

χ^2/NDF : 301185427986157798818990027839559958528.0/16

Left Out: -1145.023+/-0.000

χ^2/NDF : 73058158331350430415583816889325846528.0/11

Right Out: 510.991+/-0.000

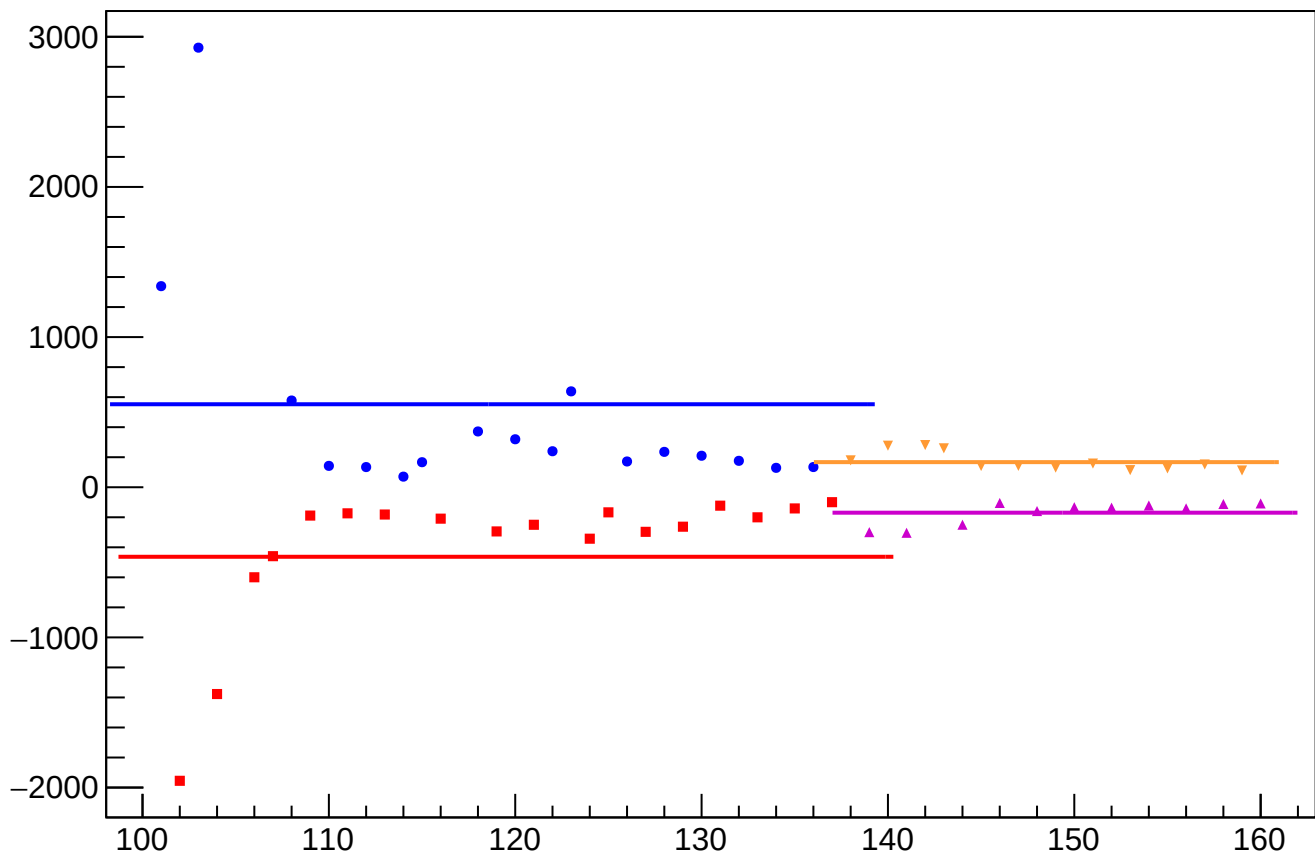
χ^2/NDF : 345692362052681149269006983787007967232.0/17

Left In: 1200.159+/-0.000

χ^2/NDF : 39206754972923098015710381582583857152.0/10

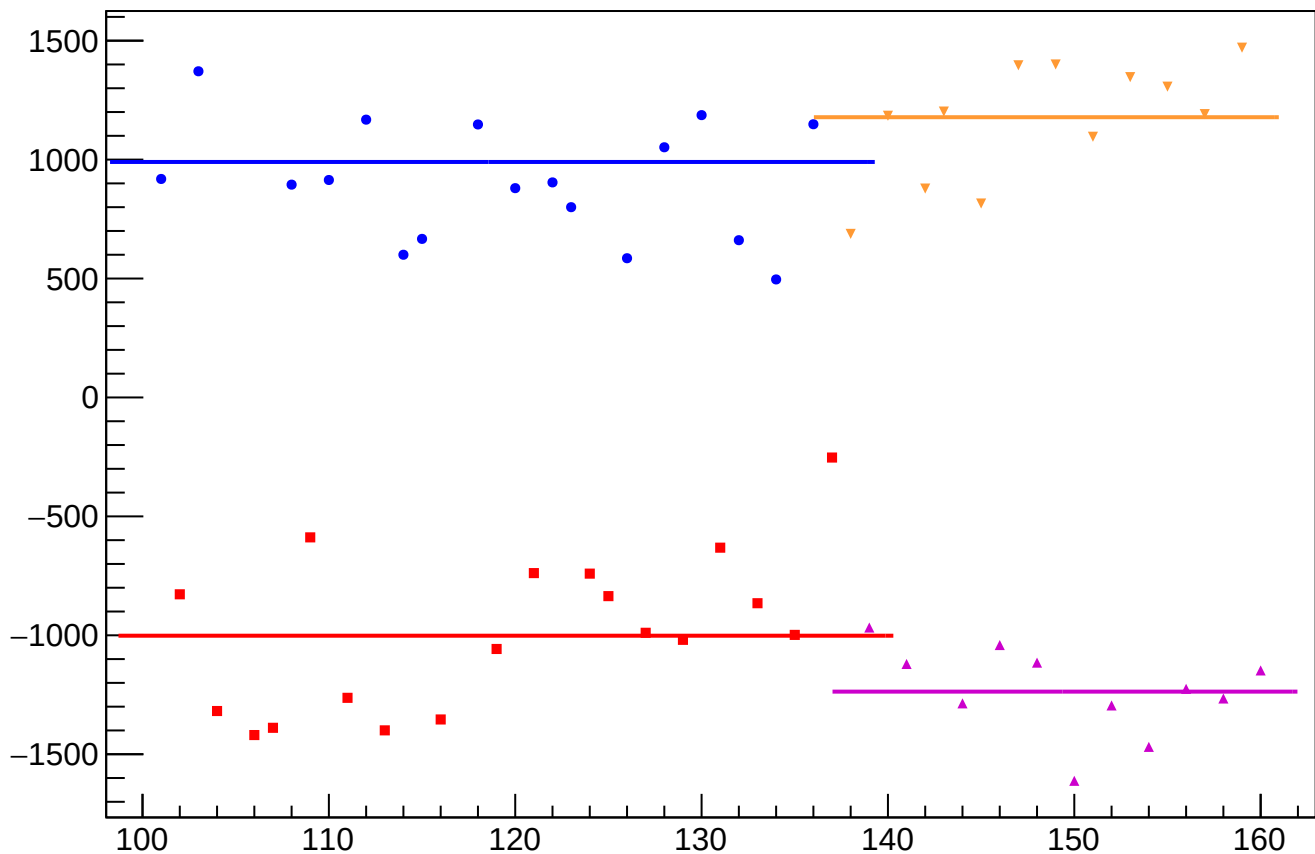
All: 9.720+/-0.000 χ^2/NDF : 37265736516506

dit_sam3_coil6_err_mean vs Slug, Sign Corrected



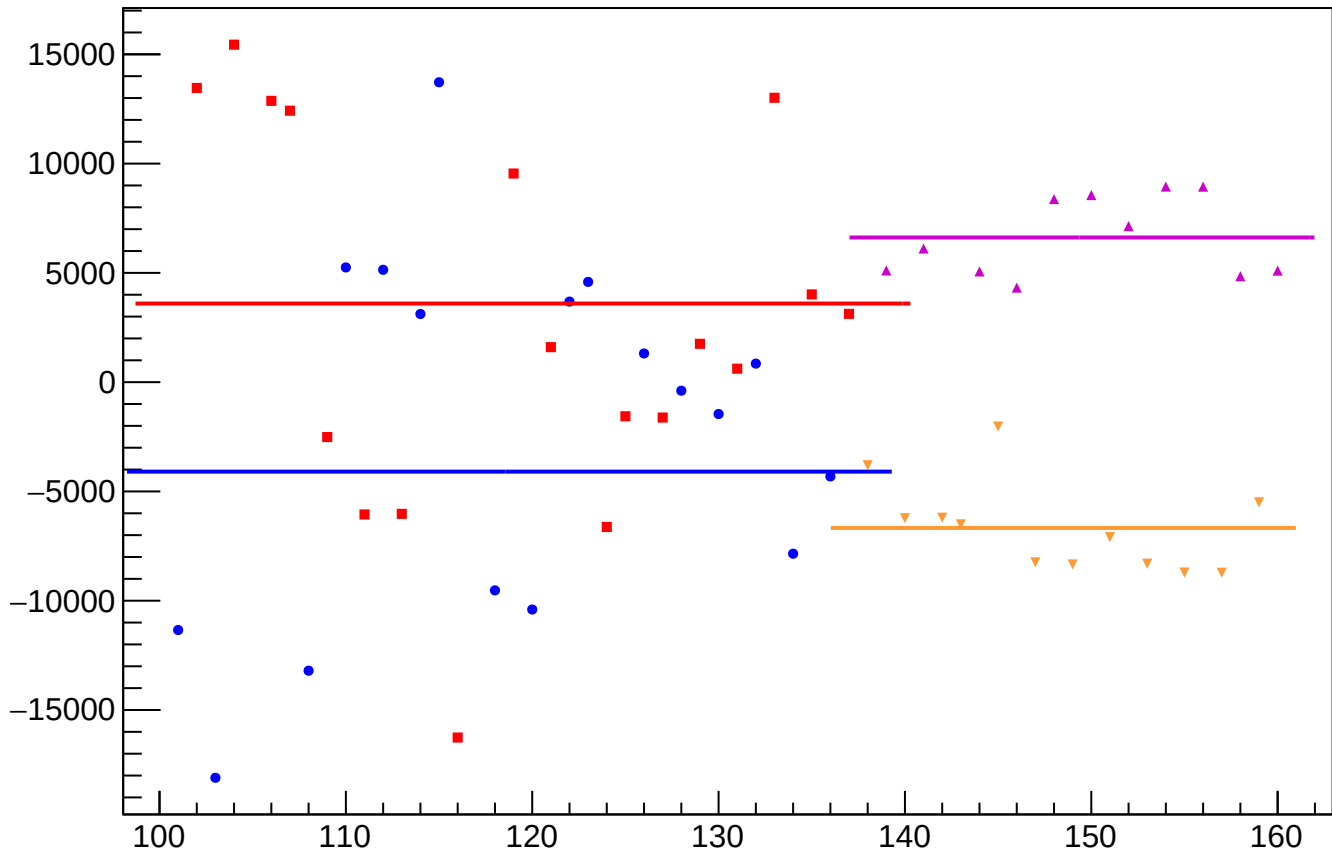
Right In: 552.756+/-0.000 χ^2/NDF : 438588904166490483585471990950715719680.0/16
 Left Out: 167.275+/-0.000 χ^2/NDF : 3021189019464897046042040078702739456.0/11
 Right Out: -463.044+/-0.000 χ^2/NDF : 209305475229629435748794855521804877824.0/17
 Left In: -169.476+/-0.000 χ^2/NDF : 4886350669326169514376198750149279744.0/10
 All: 14.293+/-0.000 χ^2/NDF : 1072717340633

dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_sam4_coil6_mean vs Slug, Sign Corrected



Right In: -4093.788+/-0.000

Left Out: -6670.950+/-0.000

Right Out: 3597.313+/-0.000

Left In: 6619.709+/-0.000

χ^2/NDF : 38878868284472308051396307871868318121984.0/16

χ^2/NDF : 3774906693530884073018019224850138136576.0/11

χ^2/NDF : 48617231317968827835072936626093341802496.0/17

χ^2/NDF : 2843164619719300530559319168458248159232.0/10

Left: 60.964+/-0.000 χ^2/NDF : 87947728718385241

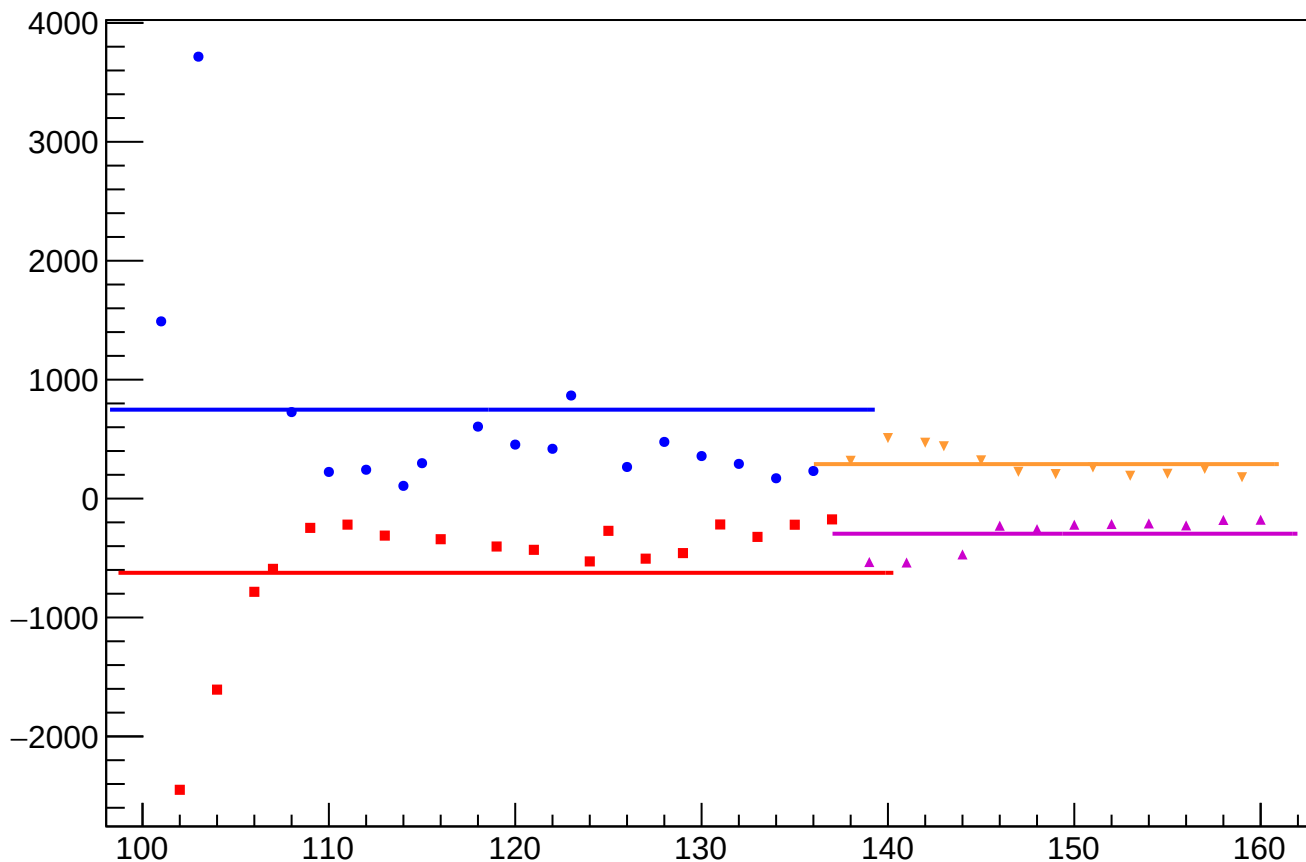
Right: -190.923+/-0.000 χ^2/NDF : 10832812445866

In: 2049.846+/-0.000 χ^2/NDF : 8740097605988358

Out: -2150.132+/-0.000 χ^2/NDF : 94588776360952

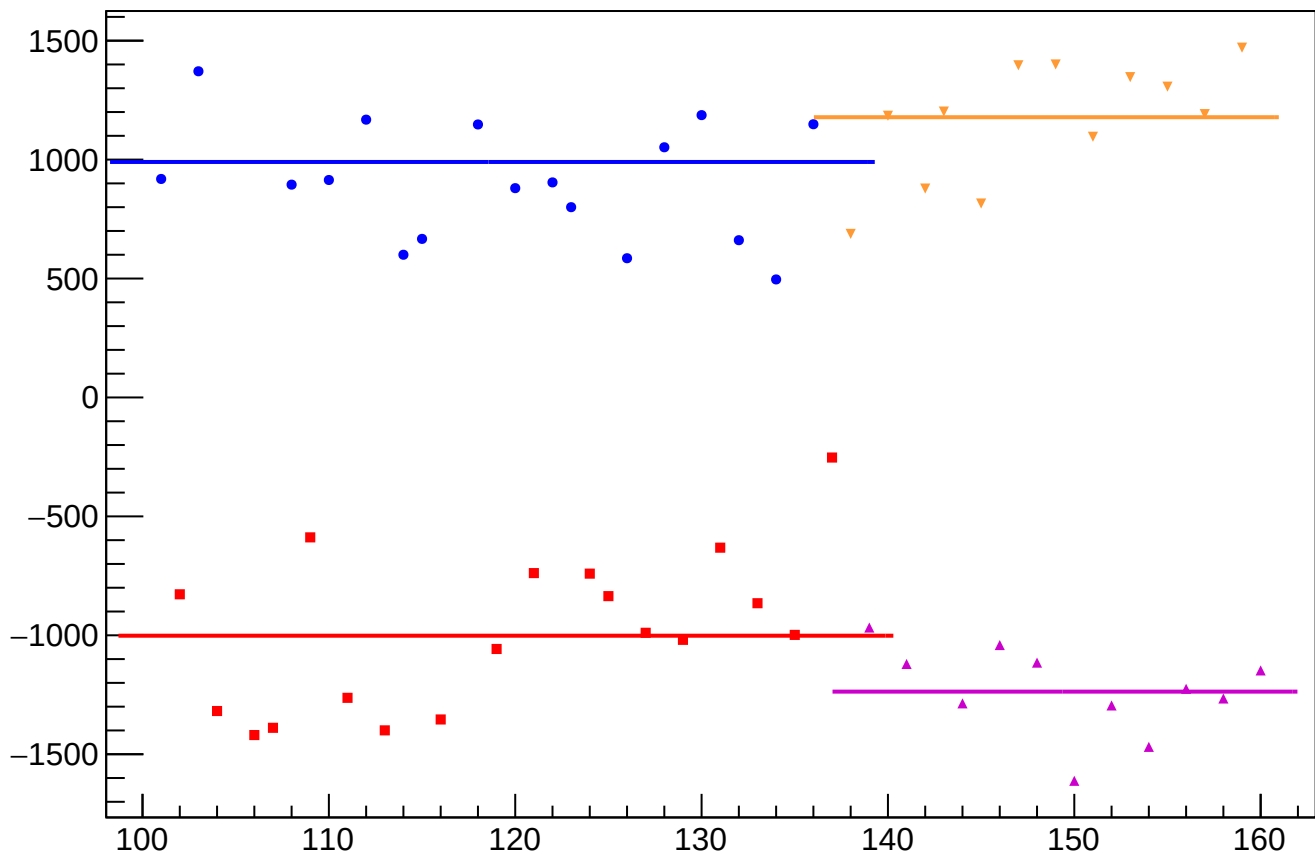
All: -48.205+/-0.000 χ^2/NDF : 196326504713

dit_sam4_coil6_err_mean vs Slug, Sign Corrected



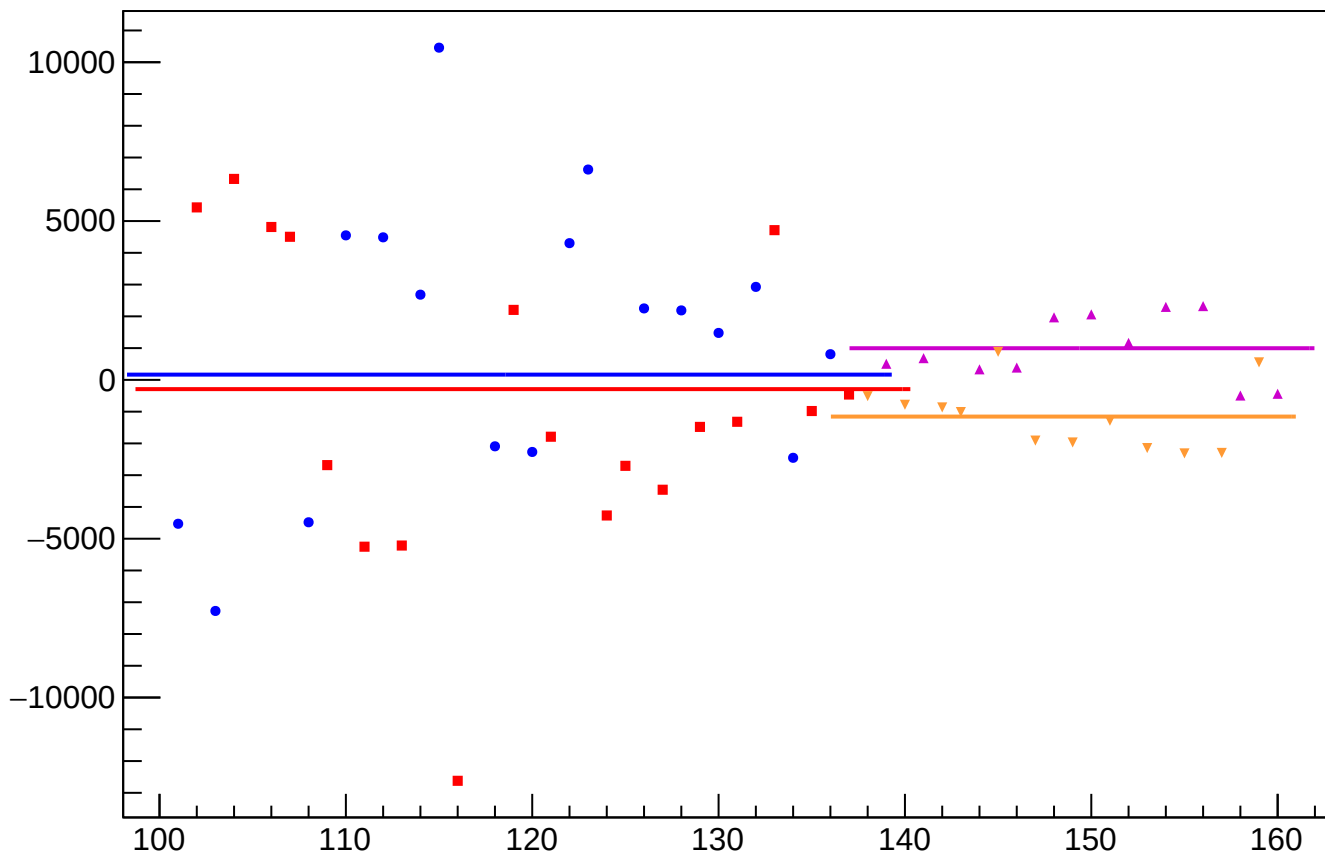
Left: -6.654 ± 0.000 χ^2/NDF : 18537318178632495
 Right In: 747.700 ± 0.000 χ^2/NDF : 65093293799436921921443577270989717504.0/16
 Right: 51.514 ± 0.000 χ^2/NDF : 1610024298269764
 Left Out: 289.811 ± 0.000 χ^2/NDF : 10481549601194900606923730784744374272.0/11
 In: 149.483 ± 0.000 χ^2/NDF : 1101187238753335
 Right Out: -624.223 ± 0.000 χ^2/NDF : 296243096292052743688943276873819881472.0/17
 Out: -112.612 ± 0.000 χ^2/NDF : 641080659444480
 Left In: -295.493 ± 0.000 χ^2/NDF : 1716013314092655155362591865869172736.0/10
 All: 18.557 ± 0.000 χ^2/NDF : 179809867210

dit_sam4_coil6_Ndata_mean vs Slug, Sign Corrected



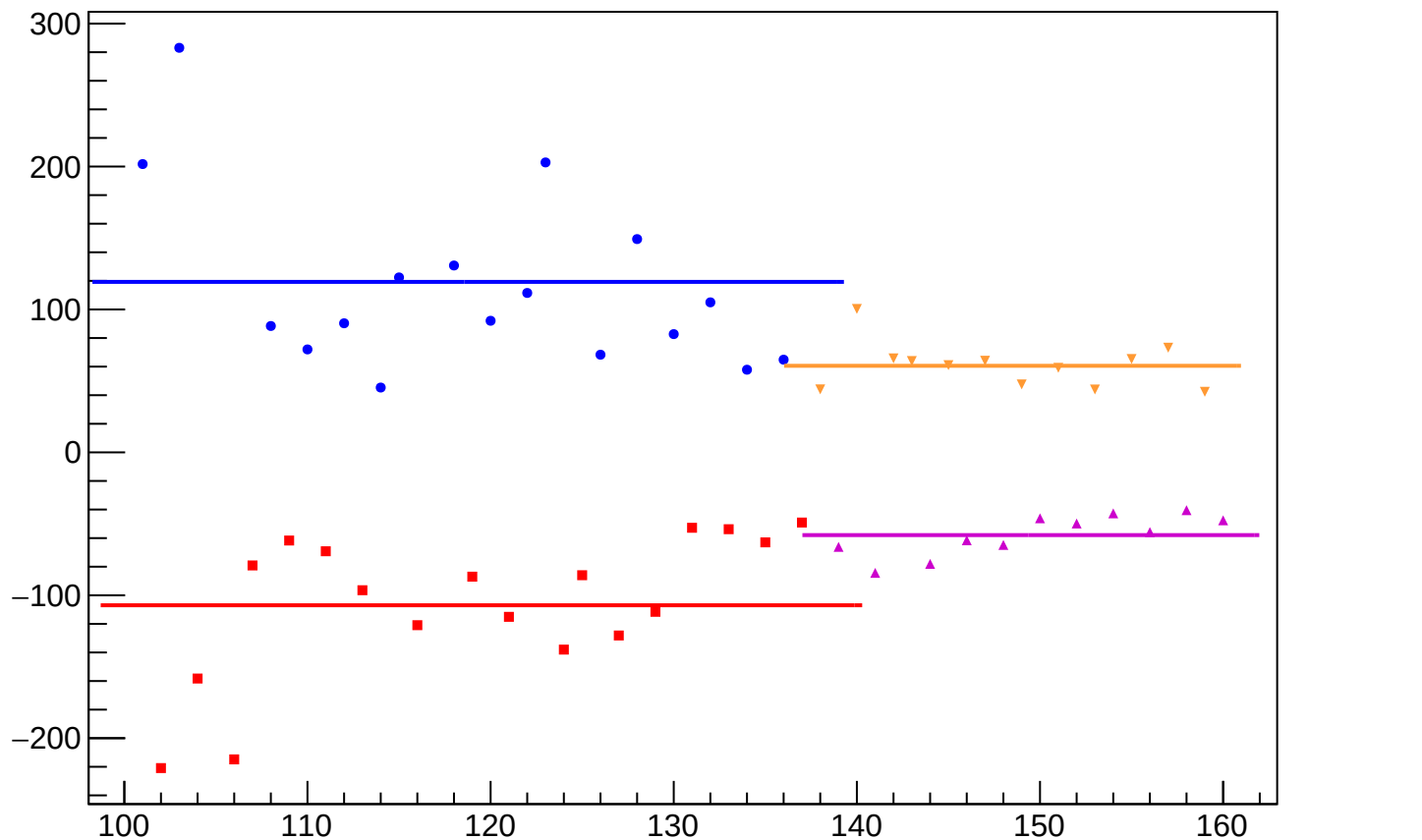
Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_sam5_coil6_mean vs Slug, Sign Corrected



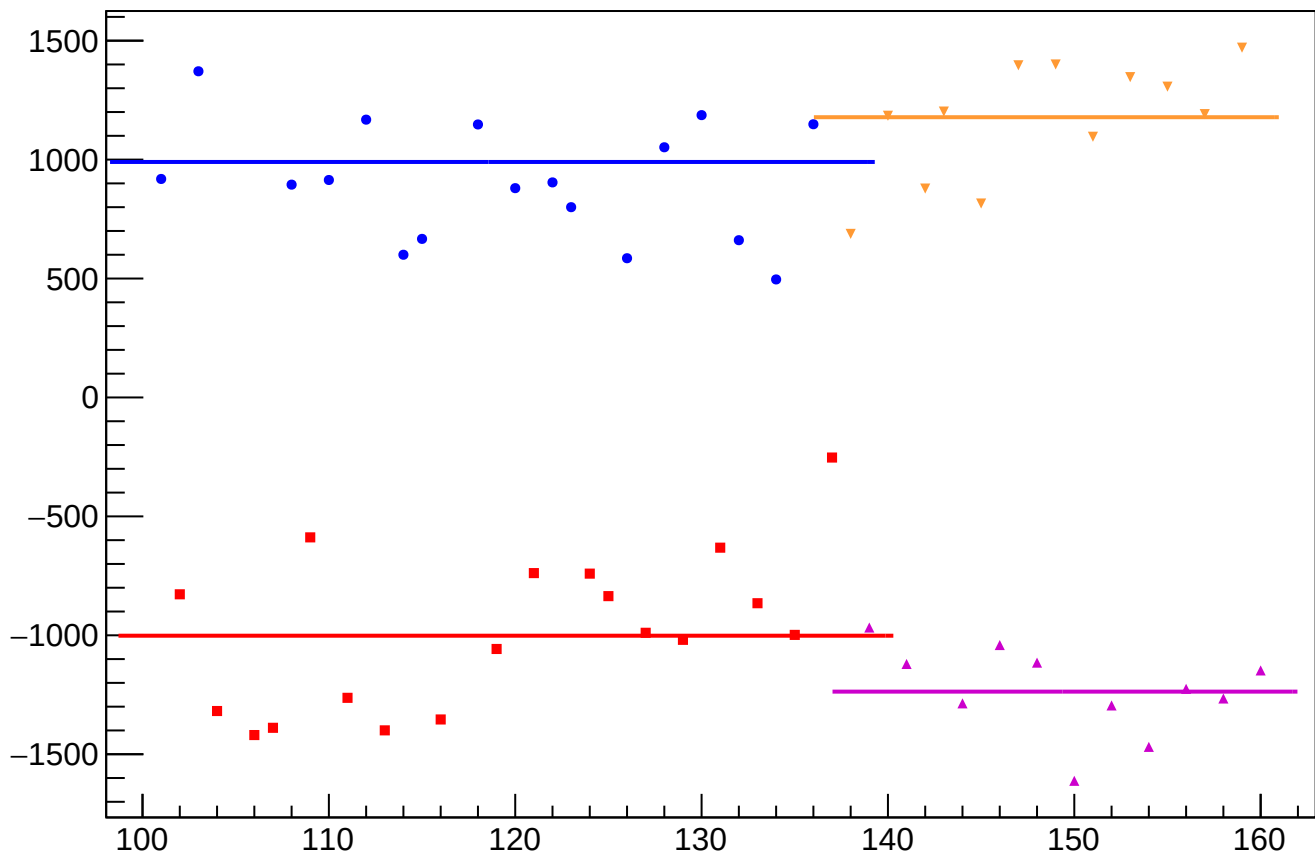
Right In: 165.547 +/- 0.000 χ^2/NDF : 10658450336306933403777351351390508679168.0/16
 Left Out: -1155.357 +/- 0.000 χ^2/NDF : 995504747952866911387640526565778915328.0/11
 Right Out: -291.015 +/- 0.000 χ^2/NDF : 14672571981967891714112032575724497928192.0/17
 Left In: 996.521 +/- 0.000 χ^2/NDF : 924719212965830410136097105357987381248.0/10
 All: -65.719 +/- 0.000 χ^2/NDF : 294566748207

dit_sam5_coil6_err_mean vs Slug, Sign Corrected



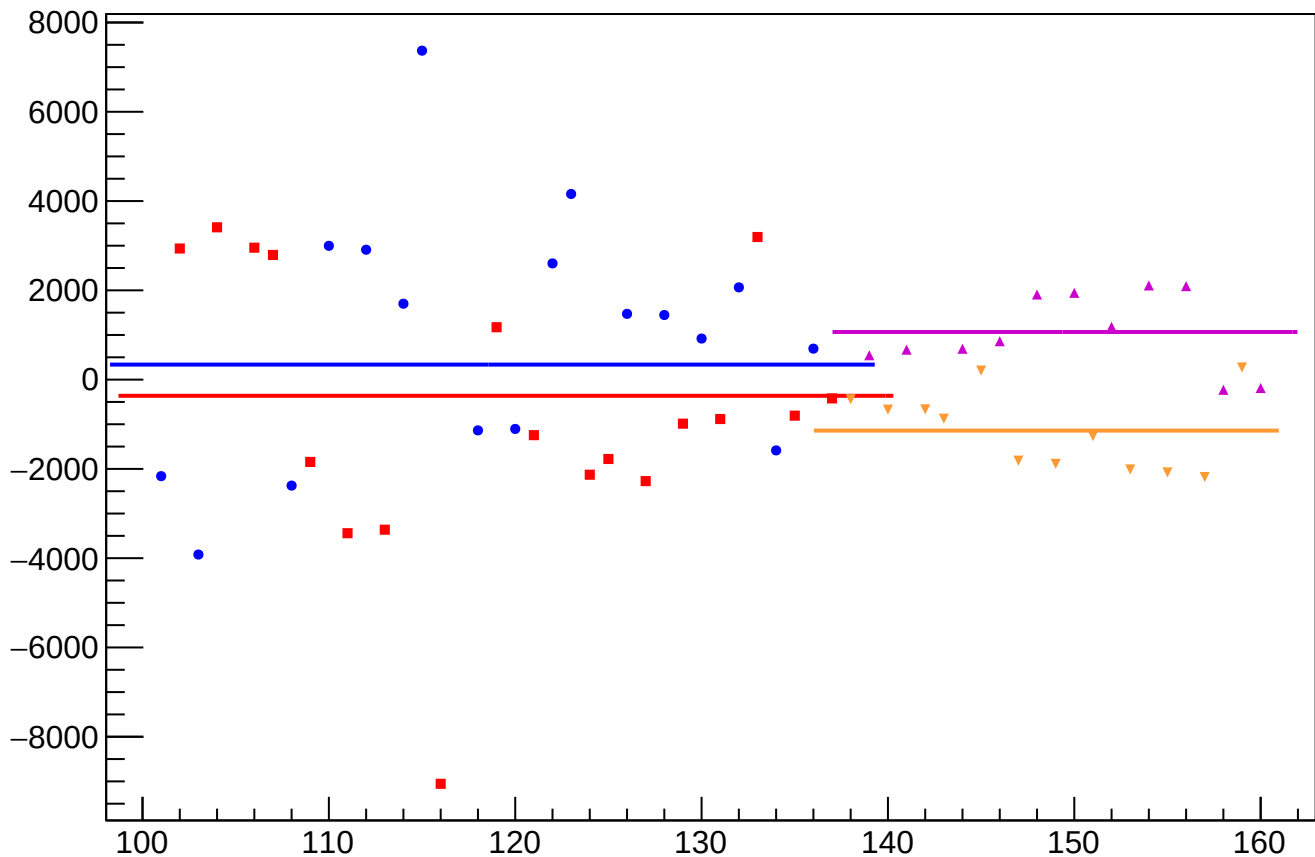
Right In: 119.288+/-0.000 χ^2/NDF : 2842654207411905514935251828991852544.0/16
 Left Out: 60.571+/-0.000 χ^2/NDF : 231982084385304468307819992004427776.0/11
 Right Out: -106.986+/-0.000 χ^2/NDF : 1915046958698396013008025410372370432.0/17
 Left In: -57.892+/-0.000 χ^2/NDF : 178748203070353408993612338219188224.0/10
 All: 2.257+/-0.000 χ^2/NDF : 29672950816930

dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected



Left: -45.003 ± 0.000 $\chi^2/\text{NDF}: 2767859757374114$
 Right In: 990.104 ± 0.000 $\chi^2/\text{NDF}: 36894248833595574425684746704003268608.0/16$
 Left Out: 1178.253 ± 0.000 $\chi^2/\text{NDF}: 52167705532463382200265414592767721472.0/11$
 Right Out: -1001.684 ± 0.000 $\chi^2/\text{NDF}: 61351571695254109773751672489010790400.0/17$
 In: -286.905 ± 0.000 $\chi^2/\text{NDF}: 2040776092386221$
 Out: 218.490 ± 0.000 $\chi^2/\text{NDF}: 2015349576700865$
 Left In: -1236.792 ± 0.000 $\chi^2/\text{NDF}: 30308096320717107629965970940123676672.0/10$
 All: -34.441 ± 0.000 $\chi^2/\text{NDF}: 426372184117$

dit_sam6_coil6_mean vs Slug, Sign Corrected



Right In: 336.537 +/- 0.000

χ^2/NDF : 3711385432707324073014239747985928880128.0/16

Left: -22.881 +/- 0.000 χ^2/NDF : 3546400911040833

Right: -17.963 +/- 0.000 χ^2/NDF : 985003998805048

Left Out: -1141.700 +/- 0.000

χ^2/NDF : 670526328034965940264034289134346436608.0/11

In: 755.511 +/- 0.000 χ^2/NDF : 45532764770089148

Right Out: -362.052 +/- 0.000

χ^2/NDF : 5966784958004941474881704867040847724544.0/17

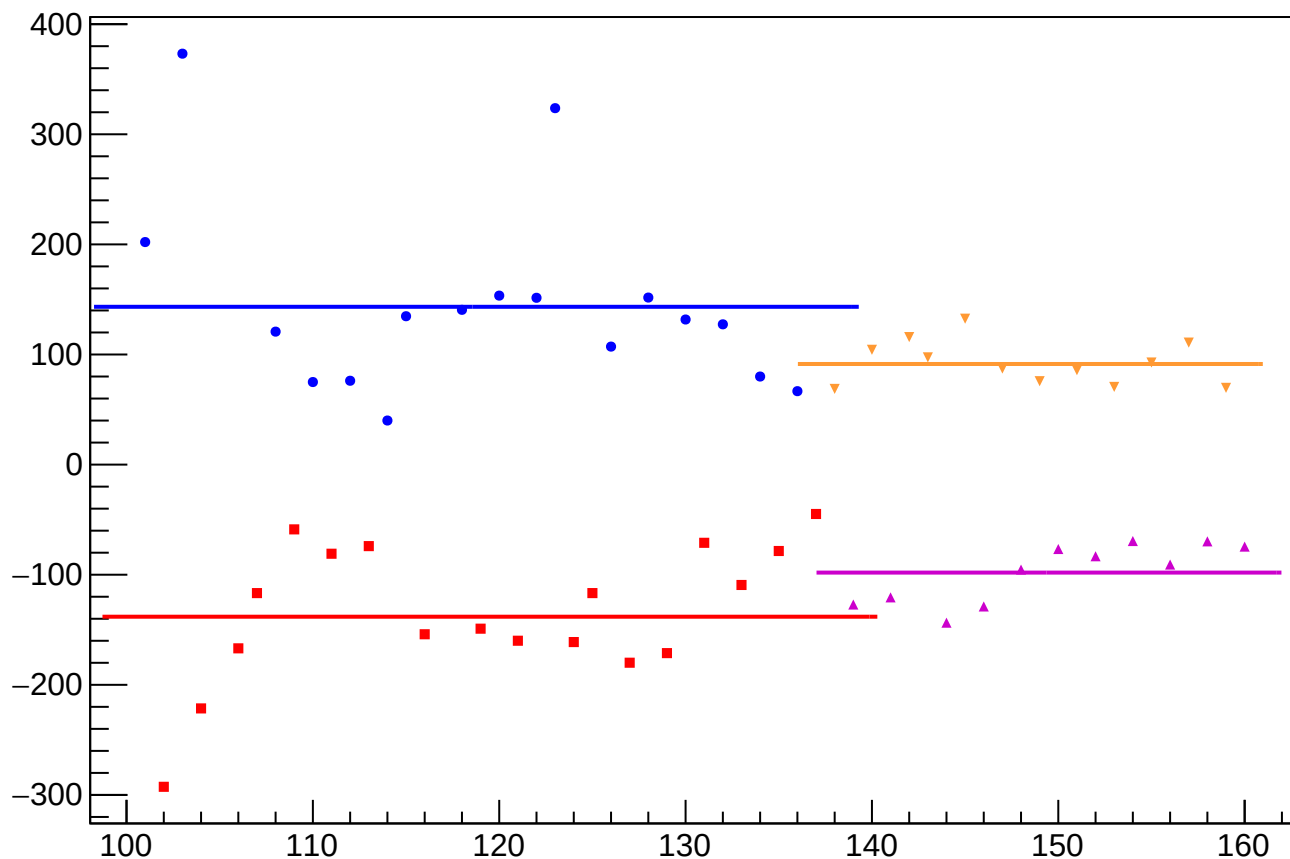
Out: -798.444 +/- 0.000 χ^2/NDF : 688057690299811

Left In: 1067.159 +/- 0.000

χ^2/NDF : 629450133544261438998185081673399402496.0/10

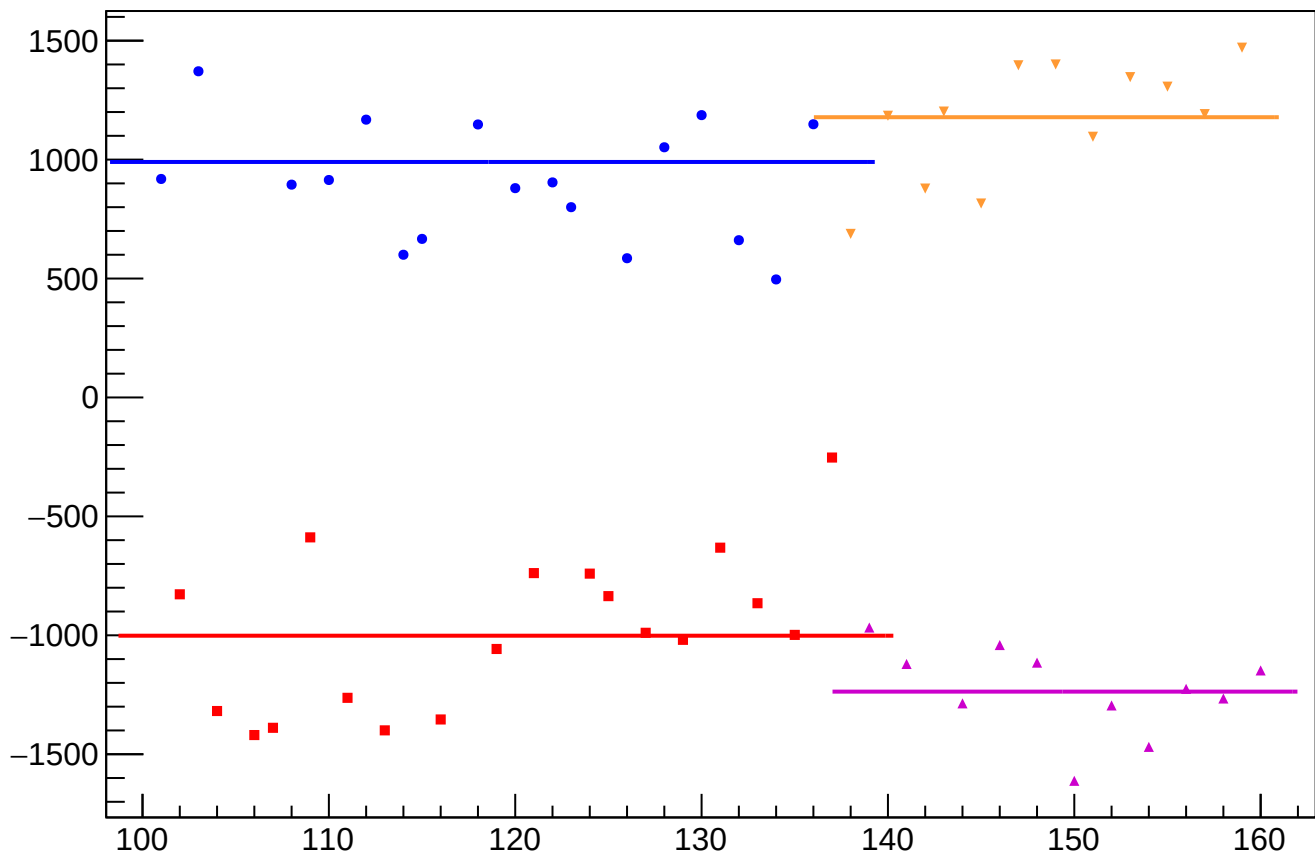
All: -20.750 +/- 0.000 χ^2/NDF : 133964602028

dit_sam6_coil6_err_mean vs Slug, Sign Corrected



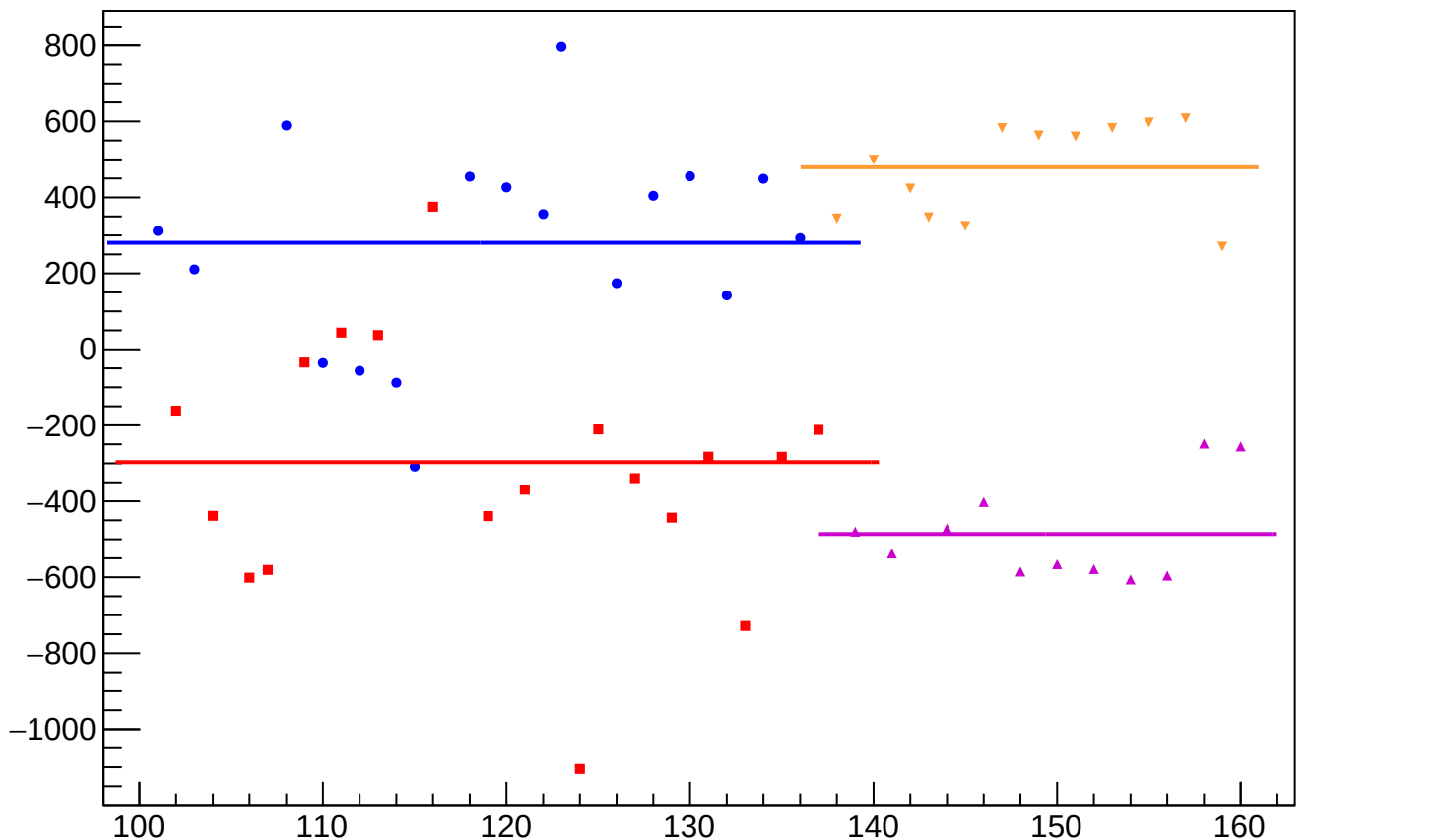
Left: -4.578 ± 0.000 $\chi^2/\text{NDF}: 17491553259507675$
 Right In: 143.327 ± 0.000 $\chi^2/\text{NDF}: 4671526487507242419296658853814337536.0/16$
 Left Out: 91.381 ± 0.000 $\chi^2/\text{NDF}: 342224682721014507534258785086341120.0/11$
 Right Out: -138.133 ± 0.000 $\chi^2/\text{NDF}: 3152322250150098804756661412355375104.0/17$
 Left In: -98.068 ± 0.000 $\chi^2/\text{NDF}: 624217570941141558165697948106620928.0/10$
 All: -2.377 ± 0.000 $\chi^2/\text{NDF}: 5323496357717$

dit_sam6_coil6_Ndata_mean vs Slug, Sign Corrected



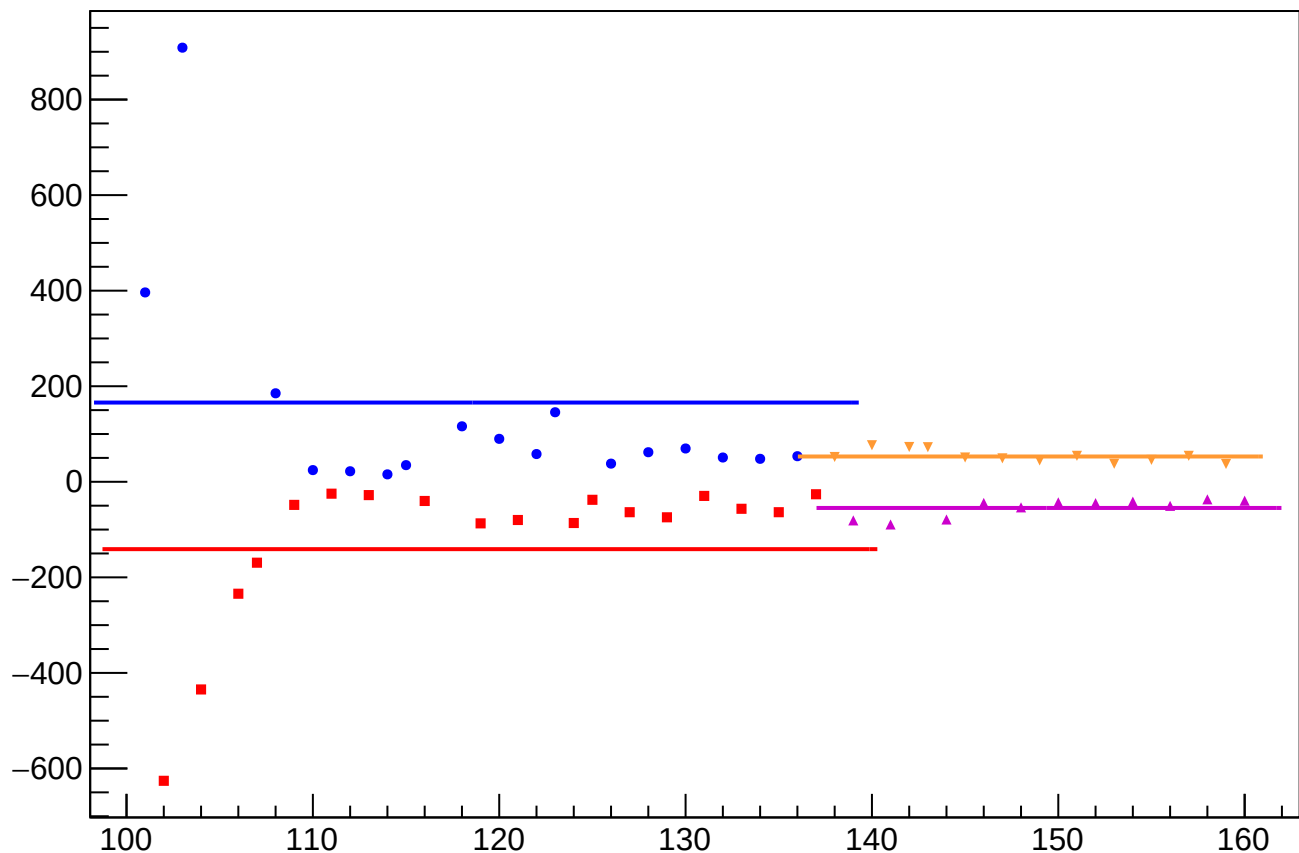
Left: -45.003 ± 0.000 $\chi^2/\text{NDF}: 2767859757374114$
 Right In: 990.104 ± 0.000 $\chi^2/\text{NDF}: 36894248833595574425684746704003268608.0/16$
 Left Out: 1178.253 ± 0.000 $\chi^2/\text{NDF}: 52167705532463382200265414592767721472.0/11$
 Right Out: -1001.684 ± 0.000 $\chi^2/\text{NDF}: 61351571695254109773751672489010790400.0/17$
 Left In: -1236.792 ± 0.000 $\chi^2/\text{NDF}: 30308096320717107629965970940123676672.0/10$
 All: -34.441 ± 0.000 $\chi^2/\text{NDF}: 426372184117$

dit_sam7_coil6_mean vs Slug, Sign Corrected



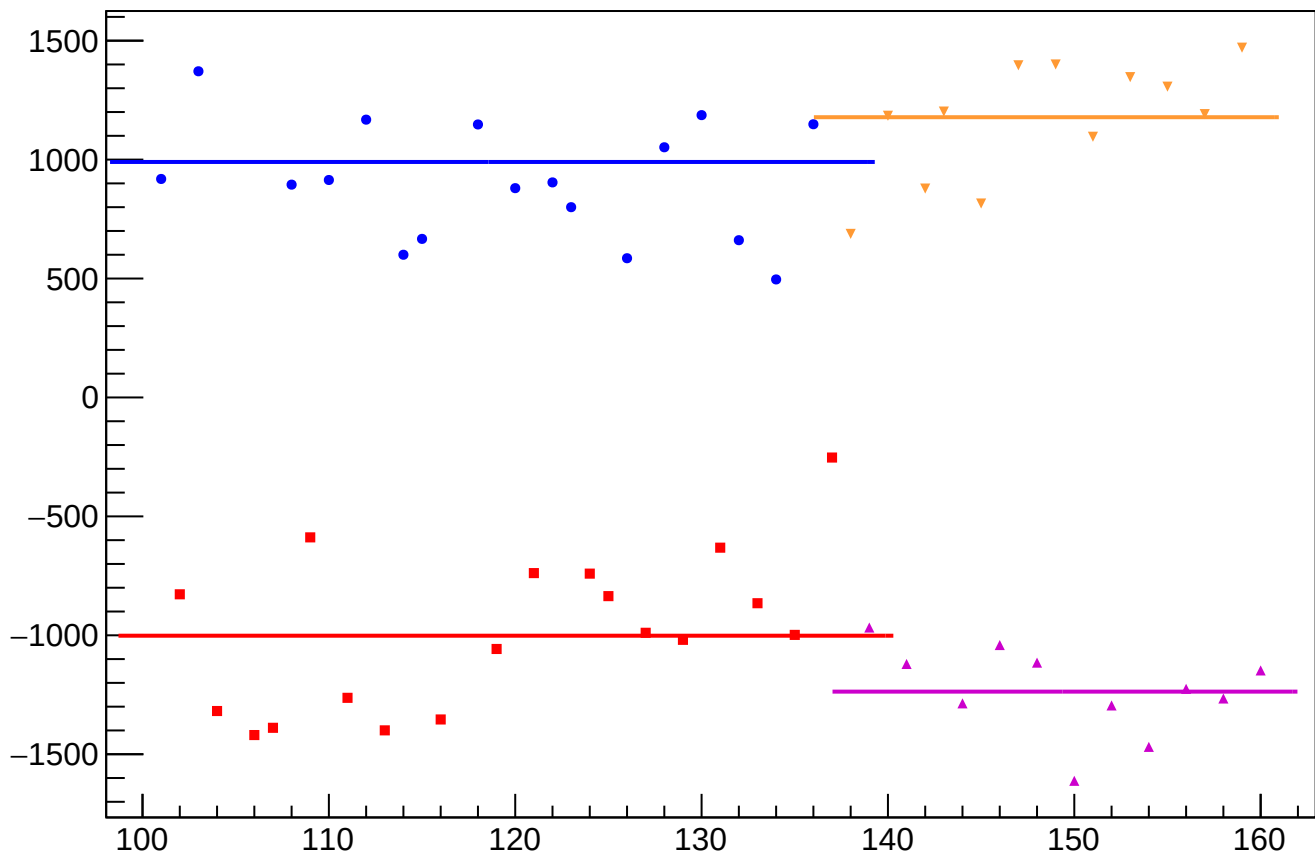
Left: -9.685 +/- 0.000 χ^2/NDF : 45680028781497486
 Right: -12.462 +/- 0.000 χ^2/NDF : 197474051054270
 In: -159.129 +/- 0.000 χ^2/NDF : 2750749105141861
 Out: 137.625 +/- 0.000 χ^2/NDF : 3076324234544899
 All: -10.889 +/- 0.000 χ^2/NDF : 654280499150

dit_sam7_coil6_err_mean vs Slug, Sign Corrected



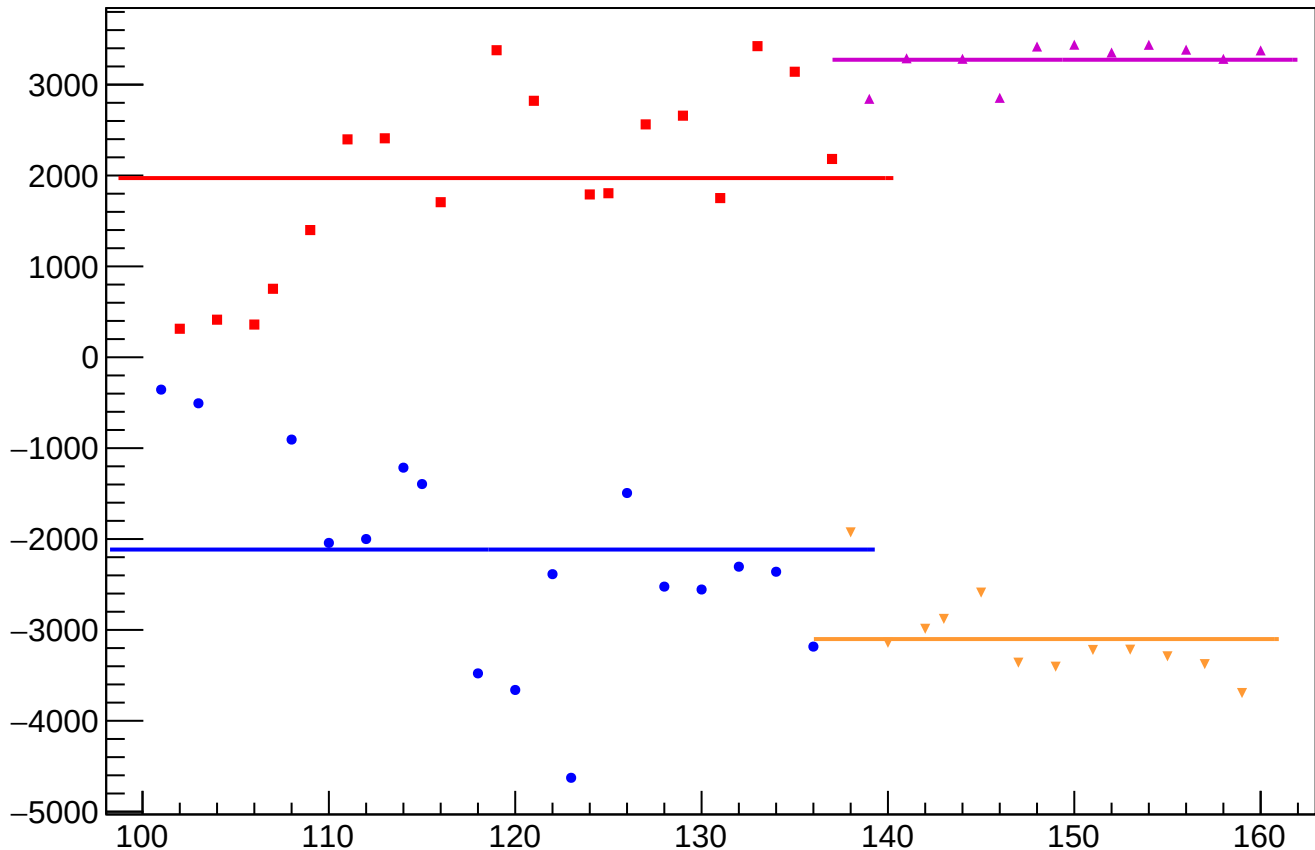
Left: -1.606 ± 0.000 $\chi^2/\text{NDF}: 57827567098124295$
 Right In: 165.841 ± 0.000 $\chi^2/\text{NDF}: 42388910284637758892134233675562745856.0/16$
 Right: 10.146 ± 0.000 $\chi^2/\text{NDF}: 9821617631078692$
 Left Out: 52.946 ± 0.000 $\chi^2/\text{NDF}: 140060109724135025714892303400697856.0/11$
 In: 39.341 ± 0.000 $\chi^2/\text{NDF}: 62057297470429168$
 Right Out: -140.976 ± 0.000 $\chi^2/\text{NDF}: 22674964646016742017185923250652184576.0/17$
 Out: -32.433 ± 0.000 $\chi^2/\text{NDF}: 3786506653081306$
 Left In: -54.754 ± 0.000 $\chi^2/\text{NDF}: 302128520341219592884404395924520960.0/10$
 All: 3.487 ± 0.000 $\chi^2/\text{NDF}: 10410918738186$

dit_sam7_coil6_Ndata_mean vs Slug, Sign Corrected



Left: -45.003 ± 0.000 $\chi^2/\text{NDF}: 2767859757374114$
 Right In: 990.104 ± 0.000 $\chi^2/\text{NDF}: 36894248833595574425684746704003268608.0/16$
 Left Out: 1178.253 ± 0.000 $\chi^2/\text{NDF}: 52167705532463382200265414592767721472.0/11$
 Right Out: -1001.684 ± 0.000 $\chi^2/\text{NDF}: 61351571695254109773751672489010790400.0/17$
 In: -286.905 ± 0.000 $\chi^2/\text{NDF}: 2040776092386221$
 Out: 218.490 ± 0.000 $\chi^2/\text{NDF}: 2015349576700865$
 Left In: -1236.792 ± 0.000 $\chi^2/\text{NDF}: 30308096320717107629965970940123676672.0/10$
 All: -34.441 ± 0.000 $\chi^2/\text{NDF}: 426372184117$

dit_sam8_coil6_mean vs Slug, Sign Corrected



Right In: -2115.686+/-0.000

Left Out: -3100.691+/-0.000

Right Out: 1971.716+/-0.000

Left In: 3273.761+/-0.000

χ^2/NDF : 754451931643030128758883529777223827456.0/16

χ^2/NDF : 183916401222864919809075393490919096320.0/11

χ^2/NDF : 778865201263461024769541360998730956800.0/17

χ^2/NDF : 38674829040753317782722595133075750912.0/10

Left: 128.062+/-0.000 χ^2/NDF : 1893120264255816

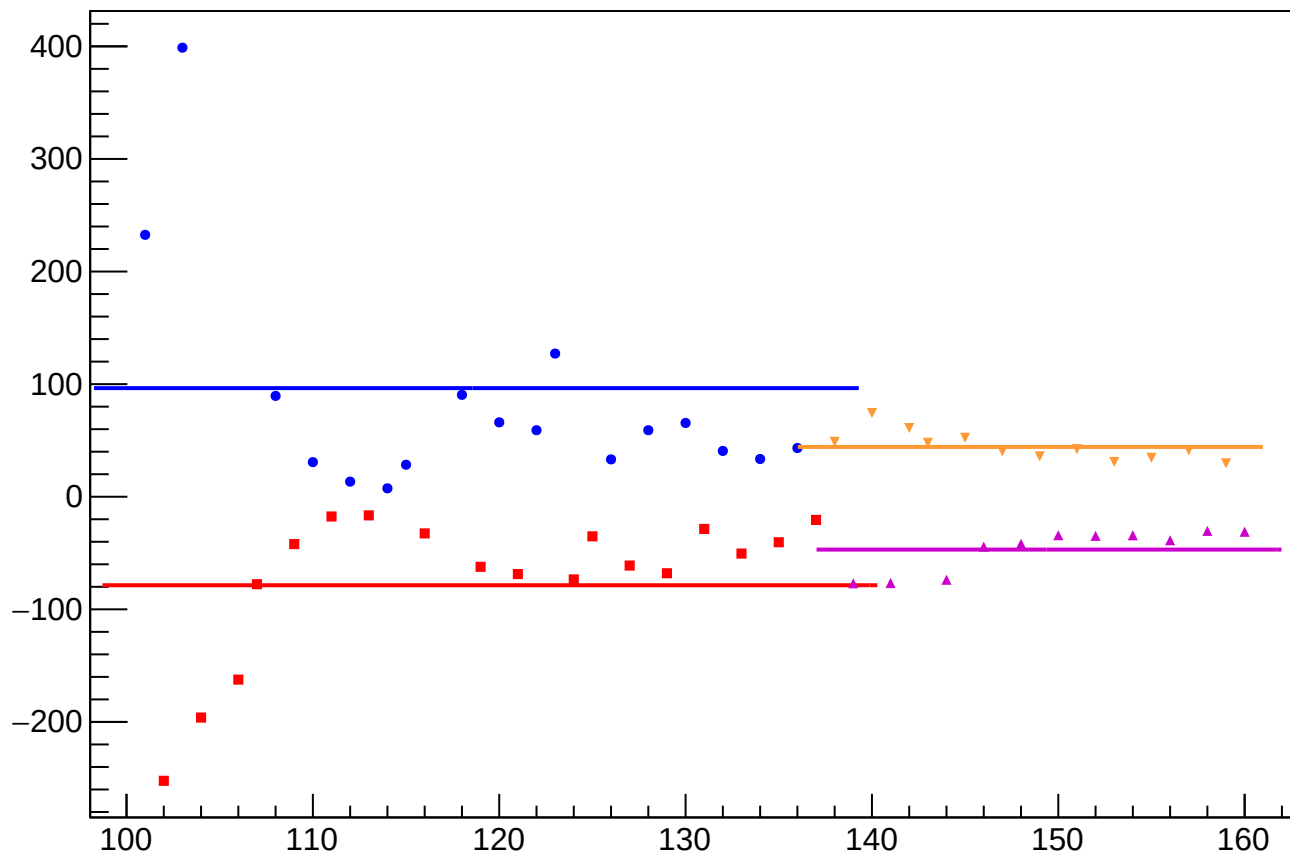
Right: -41.525+/-0.000 χ^2/NDF : 741699927533891

In: 974.882+/-0.000 χ^2/NDF : 12352701801600156

Out: -867.457+/-0.000 χ^2/NDF : 112598146486417

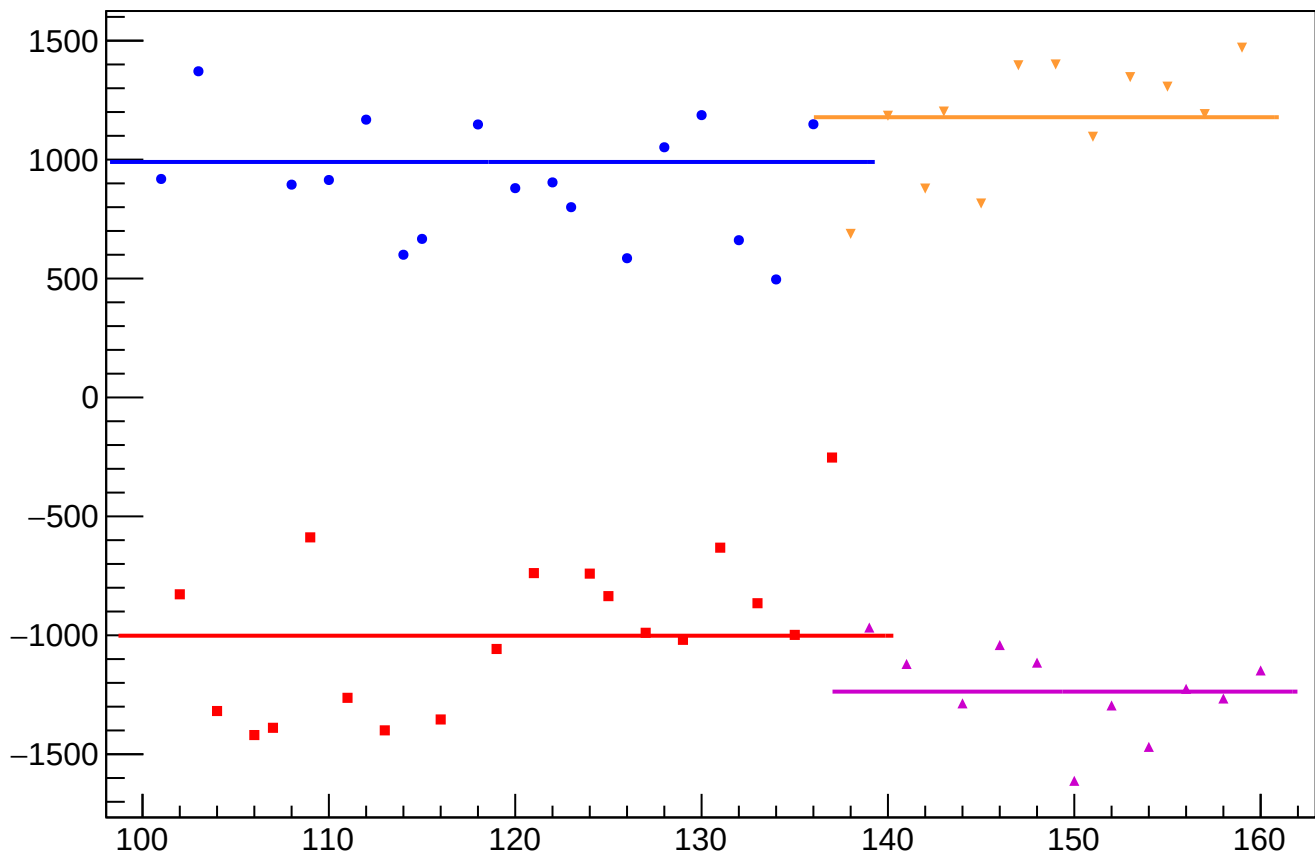
All: 54.562+/-0.000 χ^2/NDF : 2637116183170

dit_sam8_coil6_err_mean vs Slug, Sign Corrected



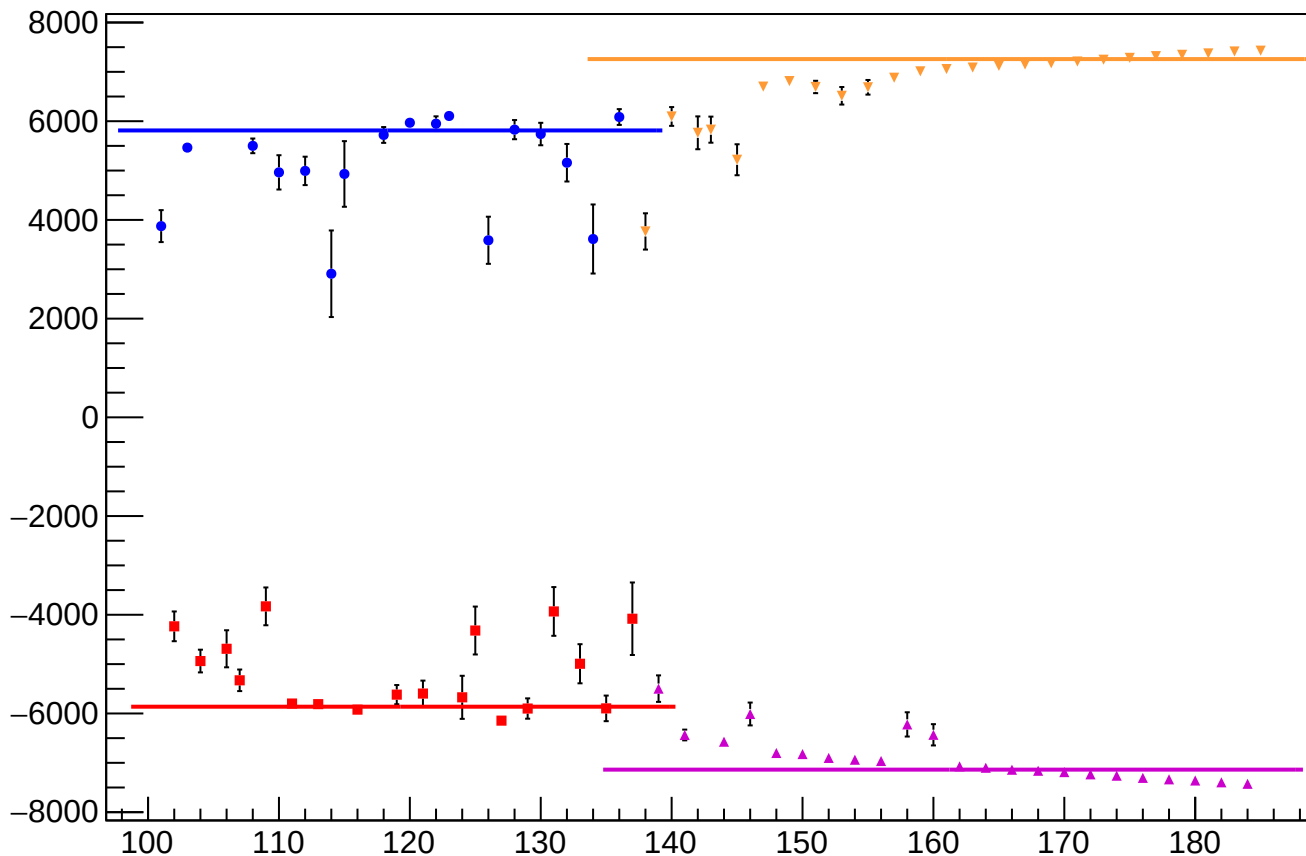
Left: -1.943 +/- 0.000 χ^2/NDF : 42742486824140668
 Right In: 96.465 +/- 0.000 χ^2/NDF : 7977727256930133620372701565161570304.0/16
 Right: 7.628 +/- 0.000 χ^2/NDF : 22269901210536974
 Left Out: 44.236 +/- 0.000 χ^2/NDF : 142258955441054075250551696151019520.0/11
 In: 14.233 +/- 0.000 χ^2/NDF : 164662717940019085
 Right Out: -78.600 +/- 0.000 χ^2/NDF : 3499001556563234508710770672385654784.0/17
 Out: -9.845 +/- 0.000 χ^2/NDF : 96798266863773113
 Left In: -46.934 +/- 0.000 χ^2/NDF : 304947612143078258069151469537329152.0/10
 All: 2.205 +/- 0.000 χ^2/NDF : 26617277568186

dit_sam8_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_run_mean vs Slug, Sign Corrected



Right In: 5812.740+/-0.171 χ^2 /NDF: 2217854.6/16

Left Out: 7258.635+/-0.092 χ^2 /NDF: 4237942.4/24

Right Out: -5862.788+/-0.139 χ^2 /NDF: 199291.9/17

Left In: -7137.987+/-0.098 χ^2 /NDF: 4549121.8/22

Left: 544.303+/-0.067 χ^2 /NDF: 11467694767.5/47

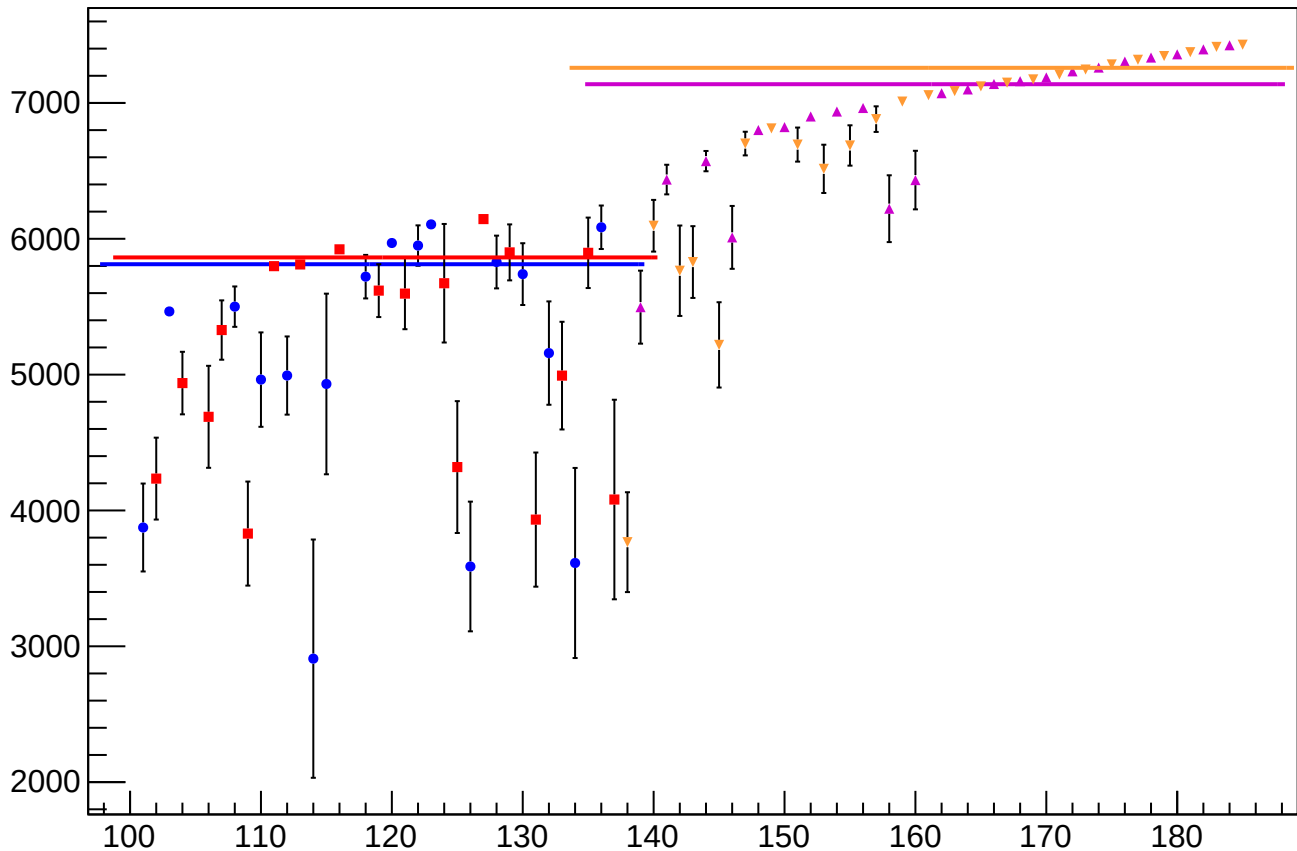
Right: -1193.446+/-0.108 χ^2 /NDF: 2813995894.0/3

In: -3911.914+/-0.085 χ^2 /NDF: 4335495701.9/39

Out: 3280.748+/-0.077 χ^2 /NDF: 6191907925.6/42

All: 59.556+/-0.057 χ^2 /NDF: 14468824125.7

dit_run_rms vs Slug, Sign Corrected



Right In: 5812.740+/-0.171 χ^2/NDF : 2217854.6/16

Left Out: 7258.635+/-0.092 χ^2/NDF : 4237942.4/24

Right Out: 5862.788+/-0.139 χ^2/NDF : 199291.9/17

Left In: 7137.987+/-0.098 χ^2/NDF : 4549121.8/22

Left: 7202.367+/-0.067 χ^2/NDF : 9591816.8/47

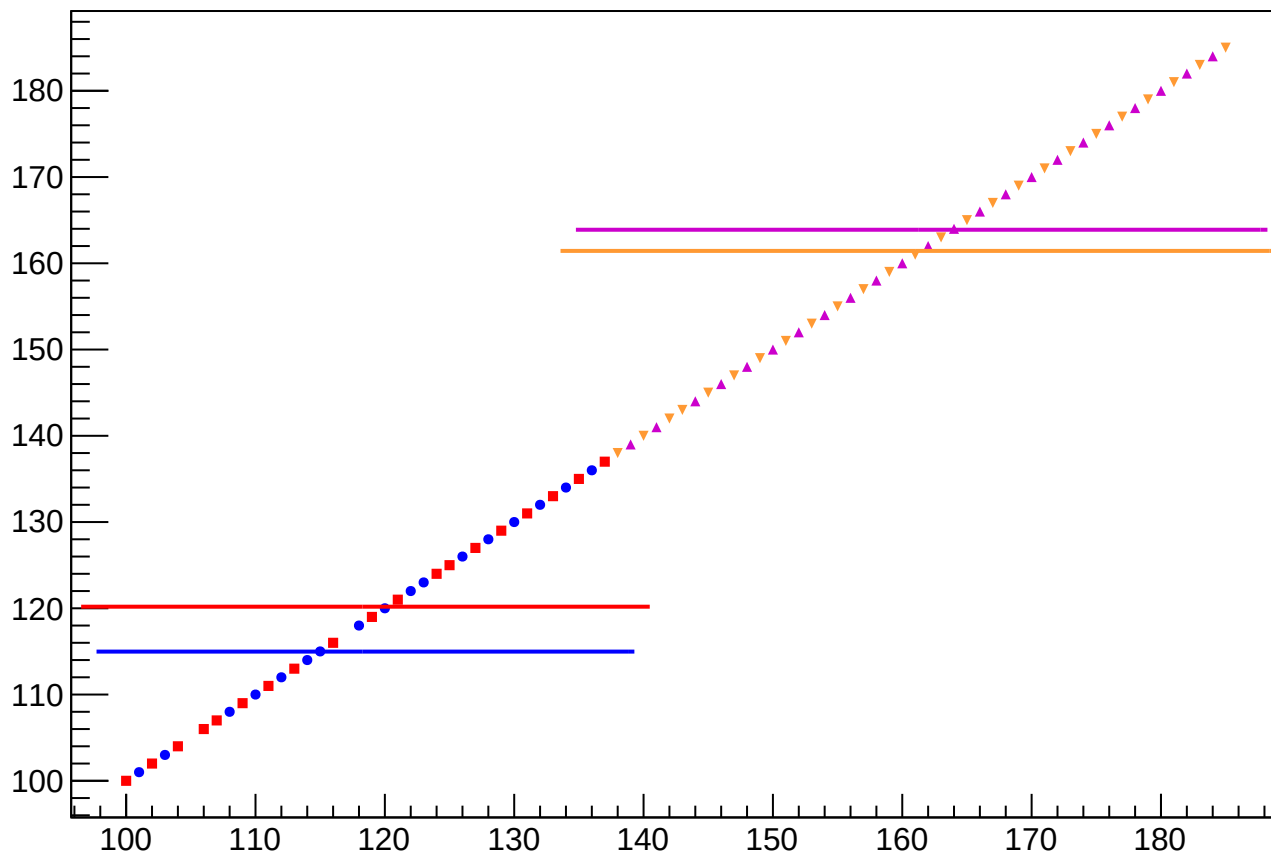
Right: 5842.773+/-0.108 χ^2/NDF : 2468807.9/34

In: 6807.863+/-0.085 χ^2/NDF : 52094903.1/39

Out: 6835.471+/-0.077 χ^2/NDF : 74458058.6/42

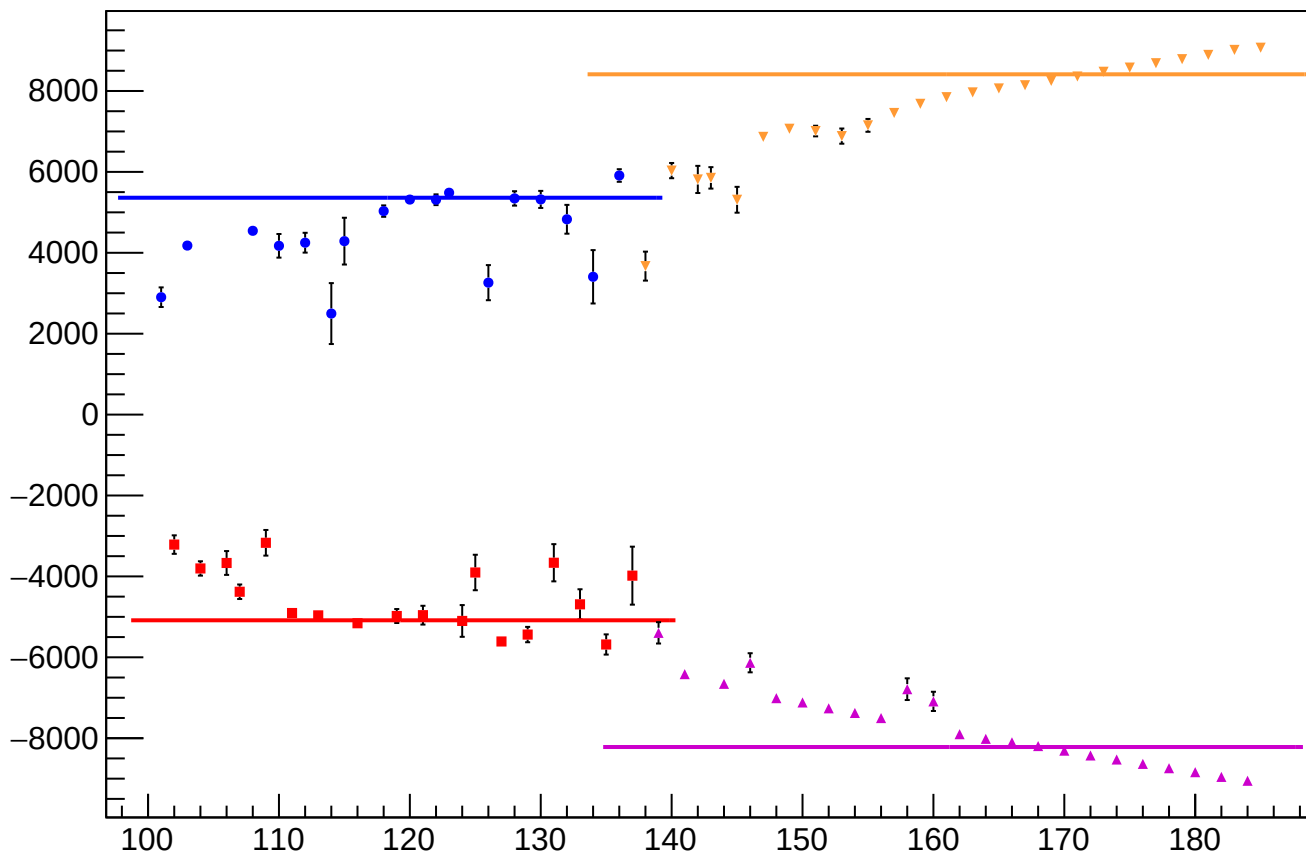
All: 6823.107+/-0.057 χ^2/NDF : 126611027.2

dit_slug_slope vs Slug, Sign Corrected



Right In: 114.980+/-0.000	χ^2/NDF : 112344936246012934714934440230912.0/16	Left: 162.851+/-0.000	χ^2/NDF : 3540465111321937
Left Out: 161.437+/-0.000	χ^2/NDF : 144351415086772086919986205949952.0/24	Right: 117.096+/-0.000	χ^2/NDF : 180832885295768
Right Out: 120.186+/-0.000	χ^2/NDF : 52233253644261695528198041763840.0/18	In: 138.150+/-0.000	χ^2/NDF : 19909207355439177
Left In: 163.890+/-0.000	χ^2/NDF : 206308926090069183709360387260416.0/22	Out: 140.465+/-0.000	χ^2/NDF : 1041591930769988
		All: 139.110+/-0.000	χ^2/NDF : 303874307424

dit_cyclenum_mean vs Slug, Sign Corrected



Right In: 5361.298 ± 0.441 $\chi^2/\text{NDF}: 607948.2/16$

Left Out: 8412.743 ± 0.396 $\chi^2/\text{NDF}: 2106513.2/24$

Right Out: -5085.163 ± 0.644 $\chi^2/\text{NDF}: 80603.0/17$

Left In: -8217.639 ± 0.381 $\chi^2/\text{NDF}: 2974101.4/22$

Left: -221.011 ± 0.274 $\chi^2/\text{NDF}: 921966978.7/47$

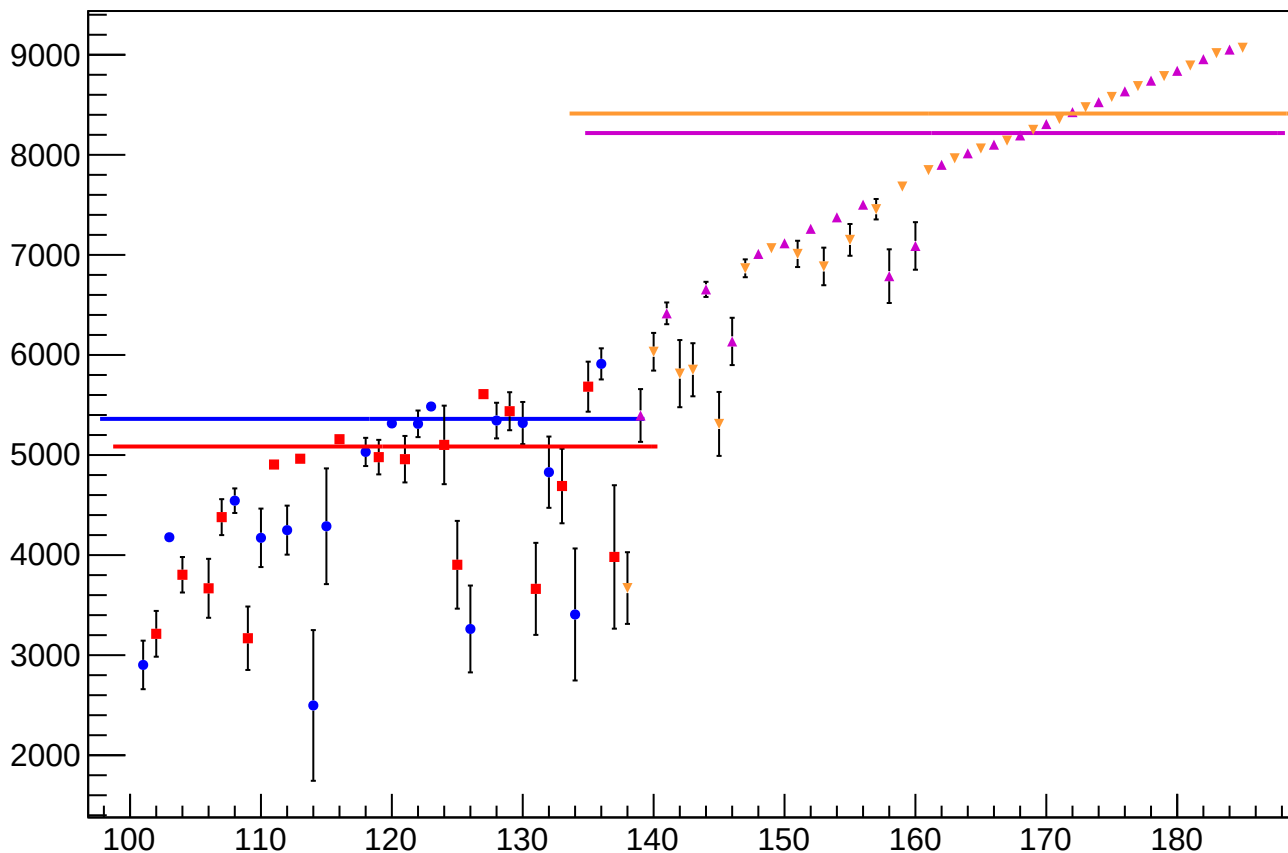
Right: 2021.502 ± 0.364 $\chi^2/\text{NDF}: 179839669.6/34$

In: -2421.340 ± 0.288 $\chi^2/\text{NDF}: 546235972.7/39$

Out: 4710.872 ± 0.337 $\chi^2/\text{NDF}: 321268360.3/42$

All: 591.657 ± 0.219 $\chi^2/\text{NDF}: 1126008982.1$

dit_cyclenum_rms vs Slug, Sign Corrected



Right In: 5361.298 $\pm$ 0.441 χ^2 /NDF: 607948.2/16

Left Out: 8412.743 $\pm$ 0.396 χ^2 /NDF: 2106513.2/24

Right Out: 5085.163 $\pm$ 0.644 χ^2 /NDF: 80603.0/17

Left In: 8217.639 $\pm$ 0.381 χ^2 /NDF: 2974101.4/22

Left: 8311.454 $\pm$ 0.274 χ^2 /NDF: 5206810.1/47

Right: 5273.016 $\pm$ 0.364 χ^2 /NDF: 813728.5/34

In: 6998.383 $\pm$ 0.288 χ^2 /NDF: 27593118.8/39

Out: 7500.137 $\pm$ 0.337 χ^2 /NDF: 21579253.8/42

All: 7210.349 $\pm$ 0.219 χ^2 /NDF: 50451759.5/80

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

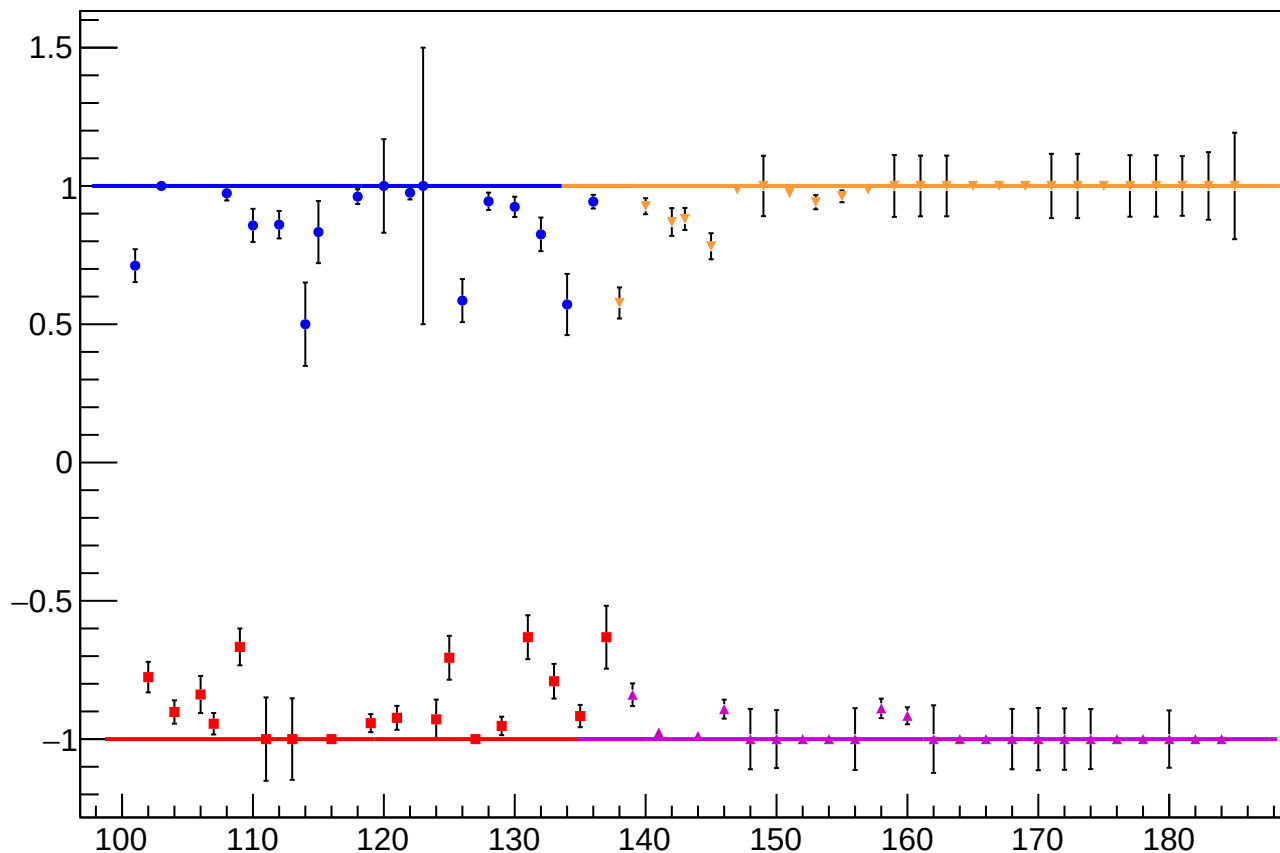
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

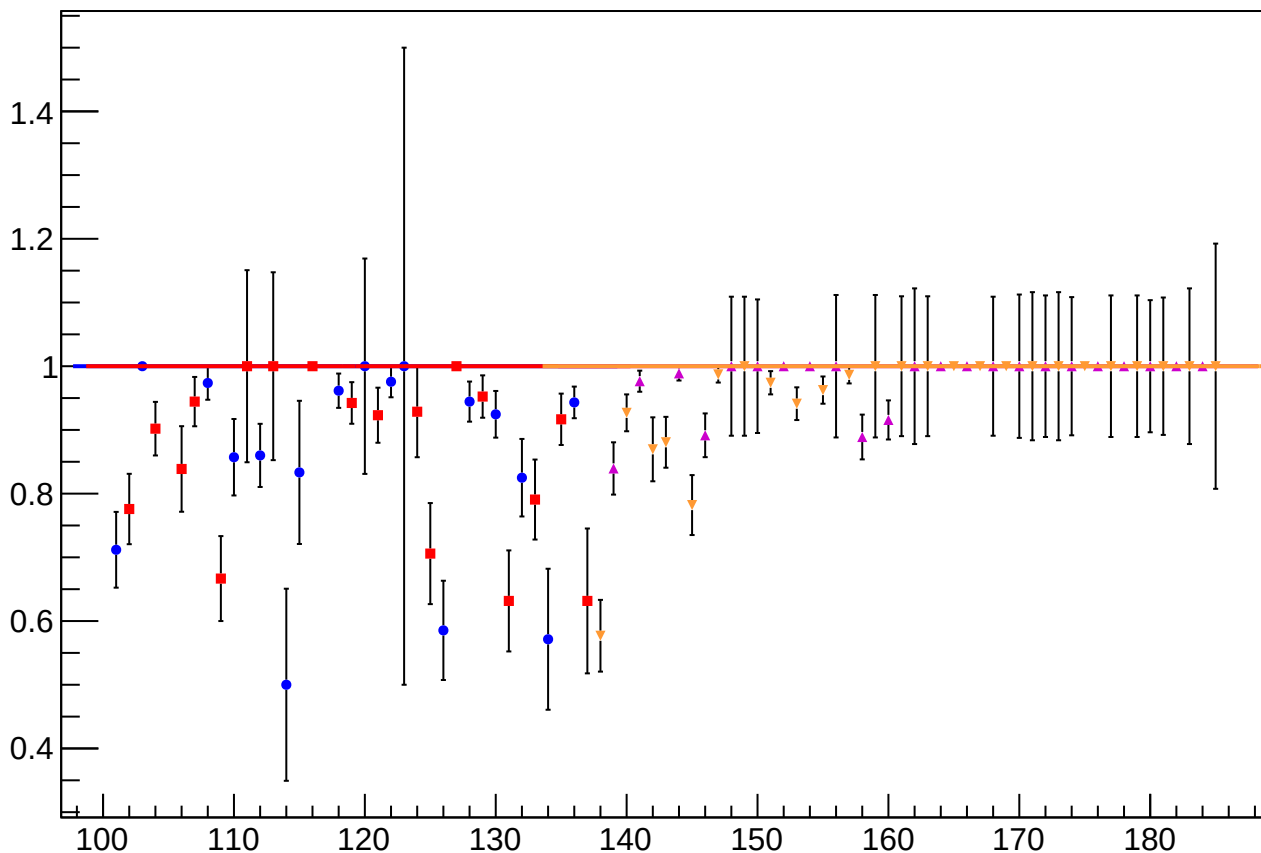
Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_flag_mean vs Slug, Sign Corrected



dit_flag_rms vs Slug, Sign Corrected



Right In: 1.000+/-0.000 χ^2/NDF : 118.6/16

Left Out: 1.000+/-0.000 χ^2/NDF :1591.4/24

Right Out: 1.000+/-0.000 χ^2/NDF : 192.3/17

Left In: 1.000+/-0.000 χ^2/NDF :385.6/22

Left: 1.000+/-0.000 χ^2/NDF : 797.2/47

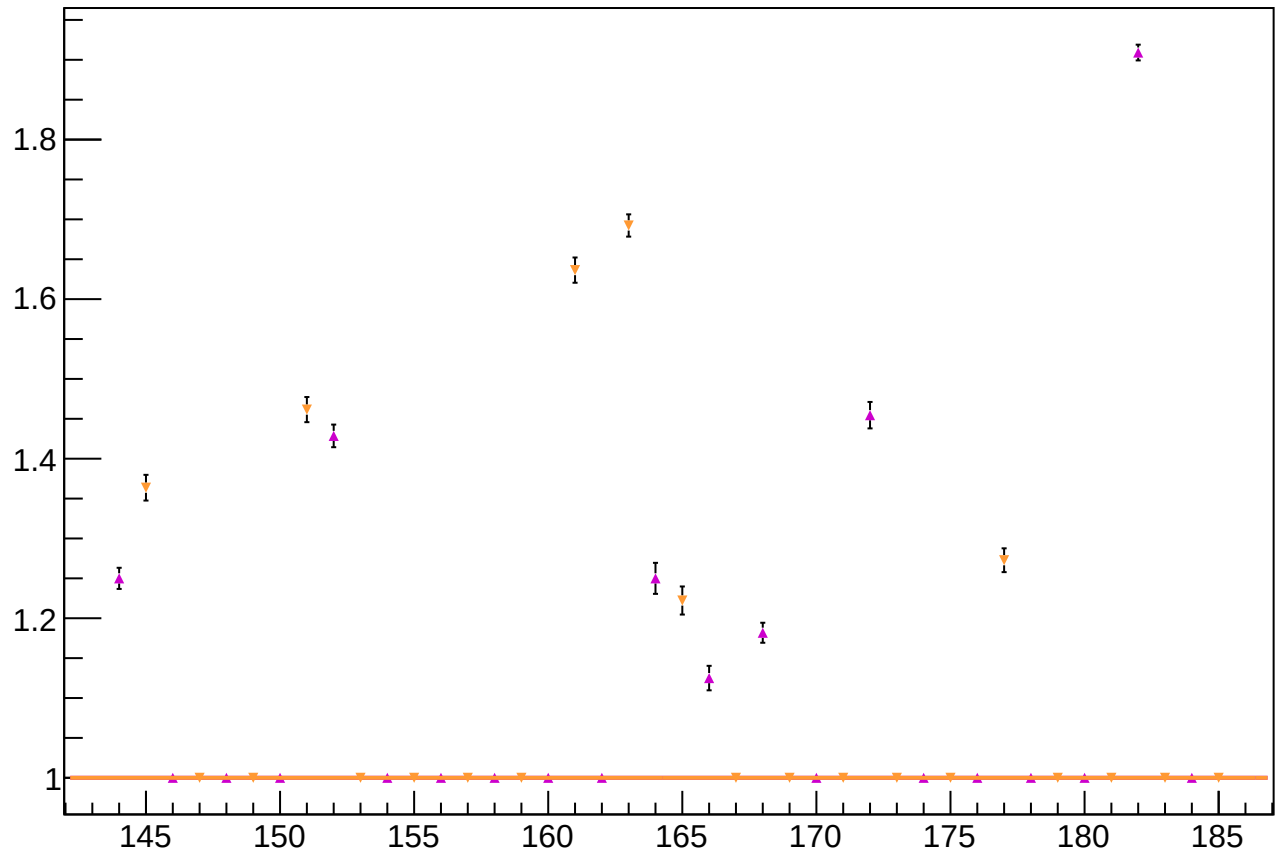
Right: 1.000+/-0.000 χ^2/NDF : 243.9/34

In: 1.000+/-0.000 χ^2/NDF :769.4/39

Out: 1.000+/-0.000 χ^2/NDF :600.7/42

All: 1.000+/-0.000 χ^2/NDF : 1541.1/82

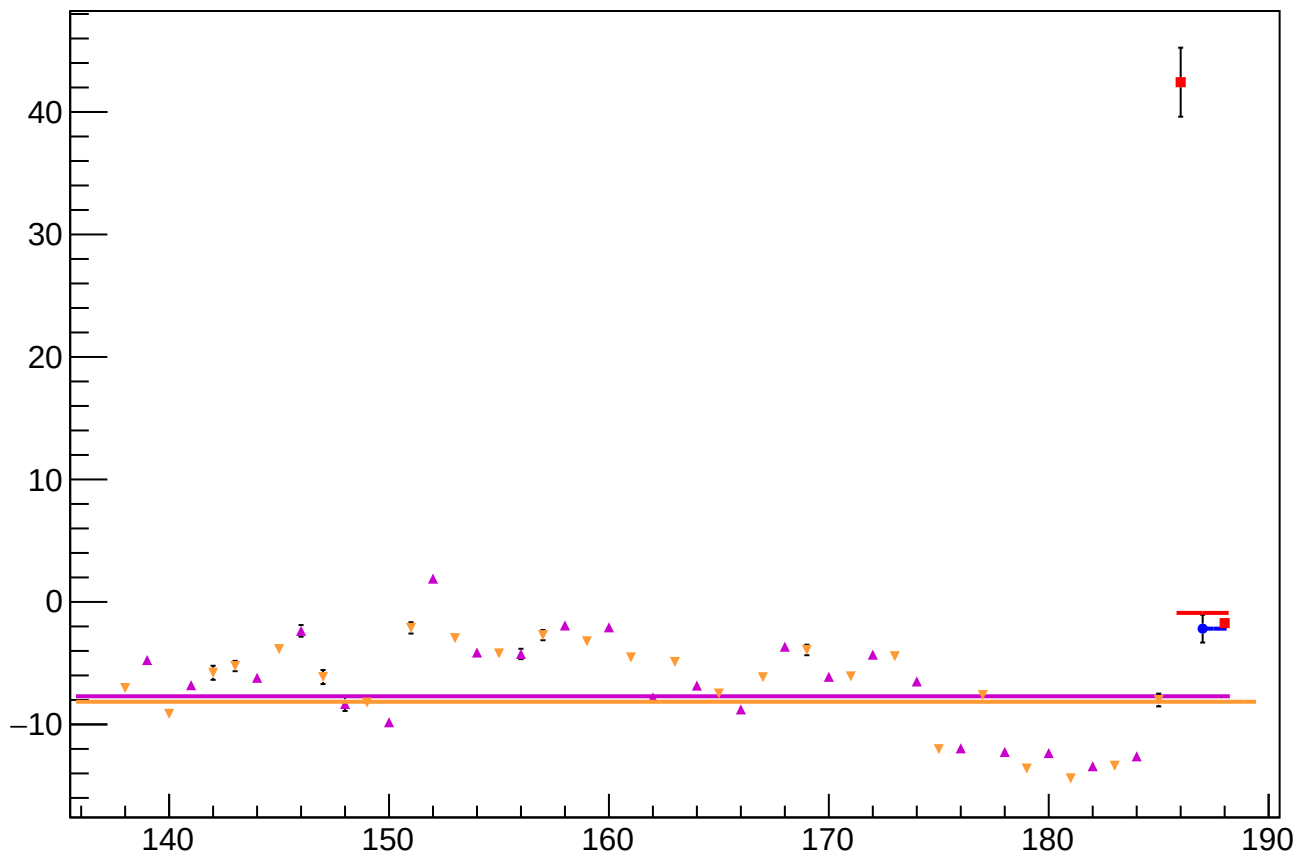
dit_segment_slope vs Slug, Sign Corrected



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: 0.000+/-0.000 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: 0.000+/-0.000 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 :18616.2/20
All: 1.000+/-0.000 χ^2/NDF : 19113.7/41

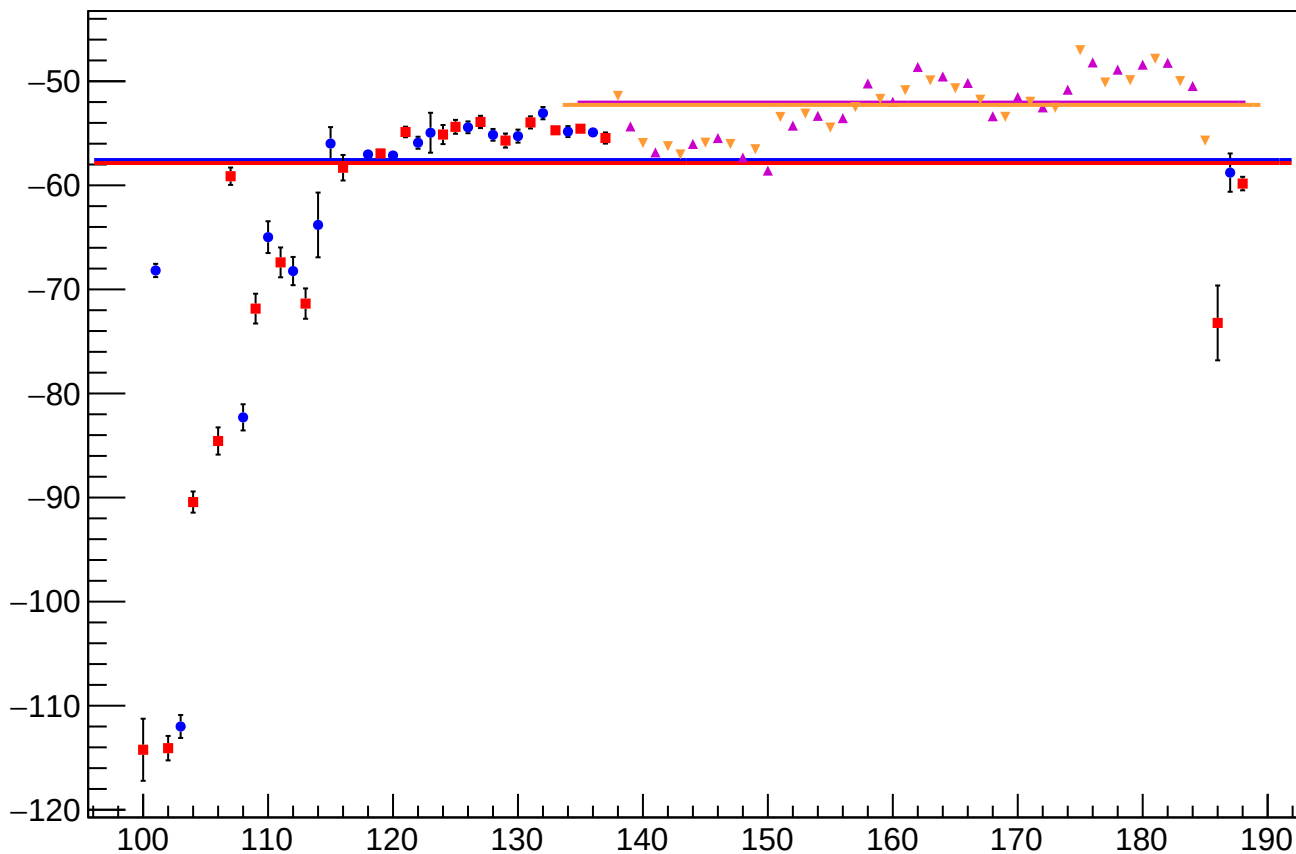
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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: -0.895 ± 0.387 χ^2/NDF : 241.1/1
 Left In: -7.701 ± 0.068 χ^2/NDF : 3737.2/22

Left: -7.928 ± 0.048 χ^2/NDF : 7372.0/47
 Right: -1.029 ± 0.366 χ^2/NDF : 242.2/2
 In: -7.682 ± 0.068 χ^2/NDF : 3760.8/23
 Out: -7.935 ± 0.067 χ^2/NDF : 4195.0/26
 All: -7.811 ± 0.048 χ^2/NDF : 7962.8/50

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.570+/-0.141 χ^2/NDF : 3456.4/17

Left Out: -52.271+/-0.055 χ^2/NDF : 2609.6/24

Right Out: -57.855+/-0.140 χ^2/NDF : 4726.6/20

Left In: -52.050+/-0.057 χ^2/NDF : 3197.5/22

Left: -52.164+/-0.040 χ^2/NDF : 5814.9/47

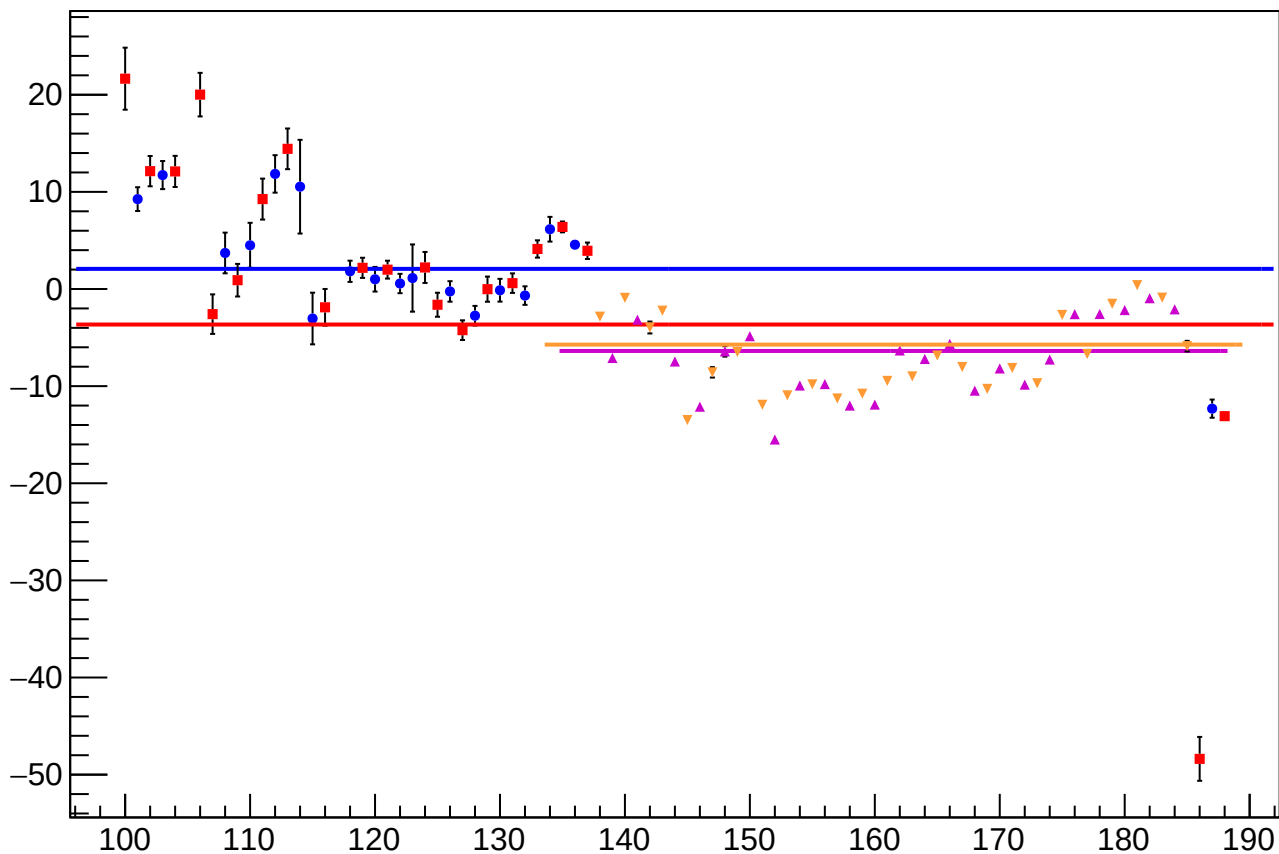
Right: -57.714+/-0.099 χ^2/NDF : 8185.0/38

In: -52.825+/-0.053 χ^2/NDF : 7970.8/40

Out: -53.027+/-0.051 χ^2/NDF : 8720.4/45

All: -52.929+/-0.037 χ^2/NDF : 16698.7/86

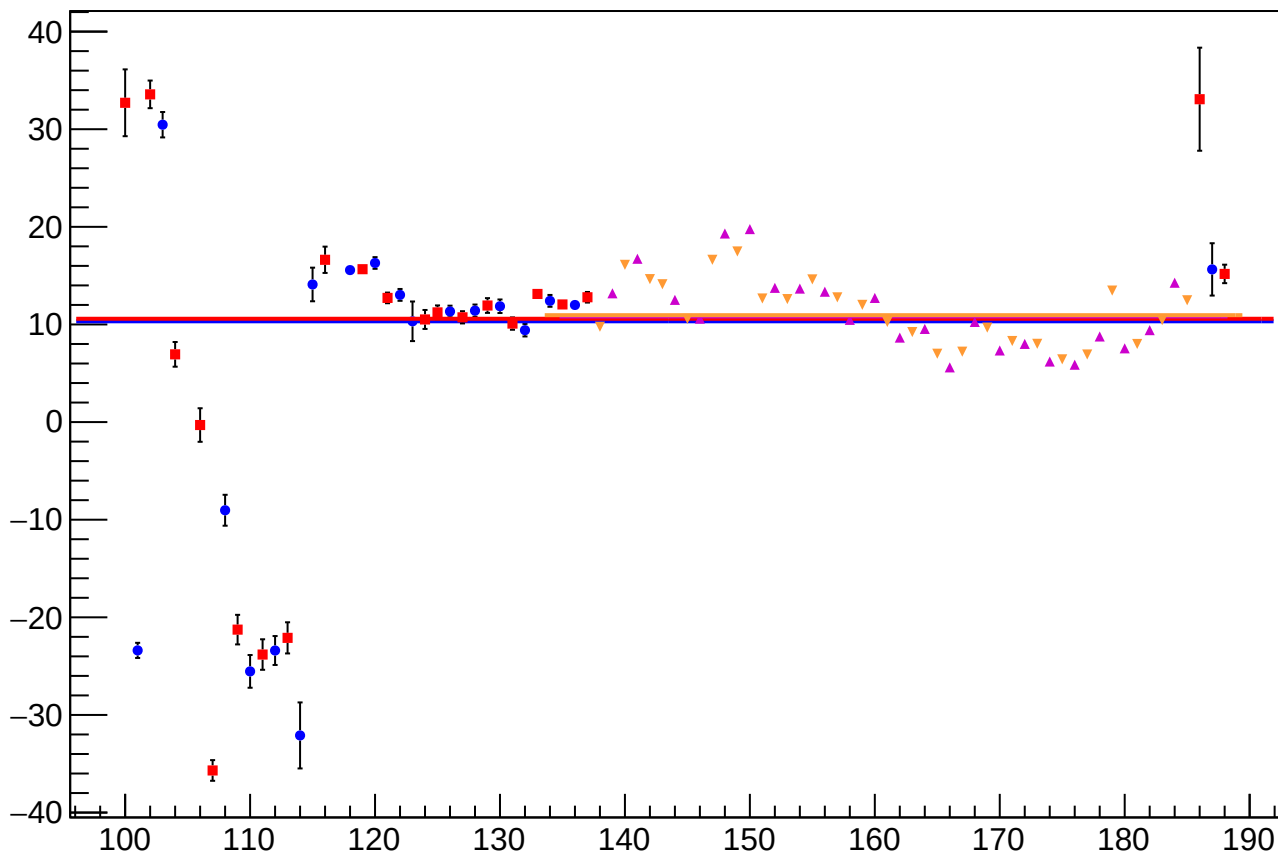
reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -3.656 ± 0.203 $\chi^2/\text{NDF}: 2372.7/20$
 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: -1.361 ± 0.157 $\chi^2/\text{NDF}: 3132.8/38$
 In: -5.785 ± 0.066 $\chi^2/\text{NDF}: 4913.1/40$
 Out: -5.518 ± 0.064 $\chi^2/\text{NDF}: 6455.2/45$
 All: -5.648 ± 0.046 $\chi^2/\text{NDF}: 11376.8/86$

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: 10.584+/-0.158 χ^2/NDF : 3871.0/20

Left In: 10.818+/-0.063 χ^2/NDF : 3577.7/22

Left: 10.886+/-0.044 χ^2/NDF : 6200.3/47

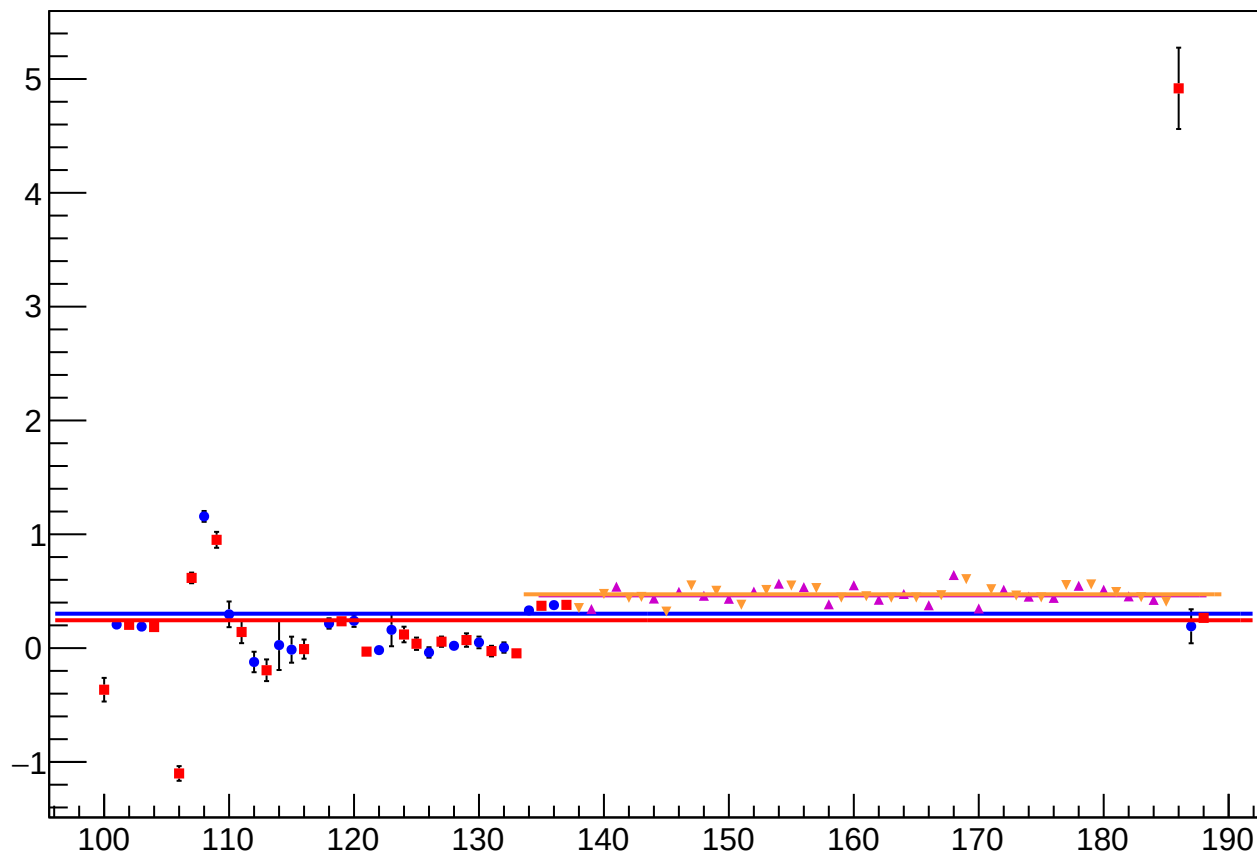
Right: 10.453+/-0.111 χ^2/NDF : 7588.7/38

In: 10.749+/-0.058 χ^2/NDF : 7302.5/40

Out: 10.902+/-0.057 χ^2/NDF : 6496.1/45

All: 10.827+/-0.041 χ^2/NDF : 13802.1/86

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302 ± 0.008 χ^2/NDF : 647.1/17

Left Out: 0.473 ± 0.003 χ^2/NDF : 515.0/24

Right Out: 0.245 ± 0.008 χ^2/NDF : 1158.2/20

Left In: 0.463 ± 0.003 χ^2/NDF : 749.9/22

Left: 0.468 ± 0.002 χ^2/NDF : 1270.7/47

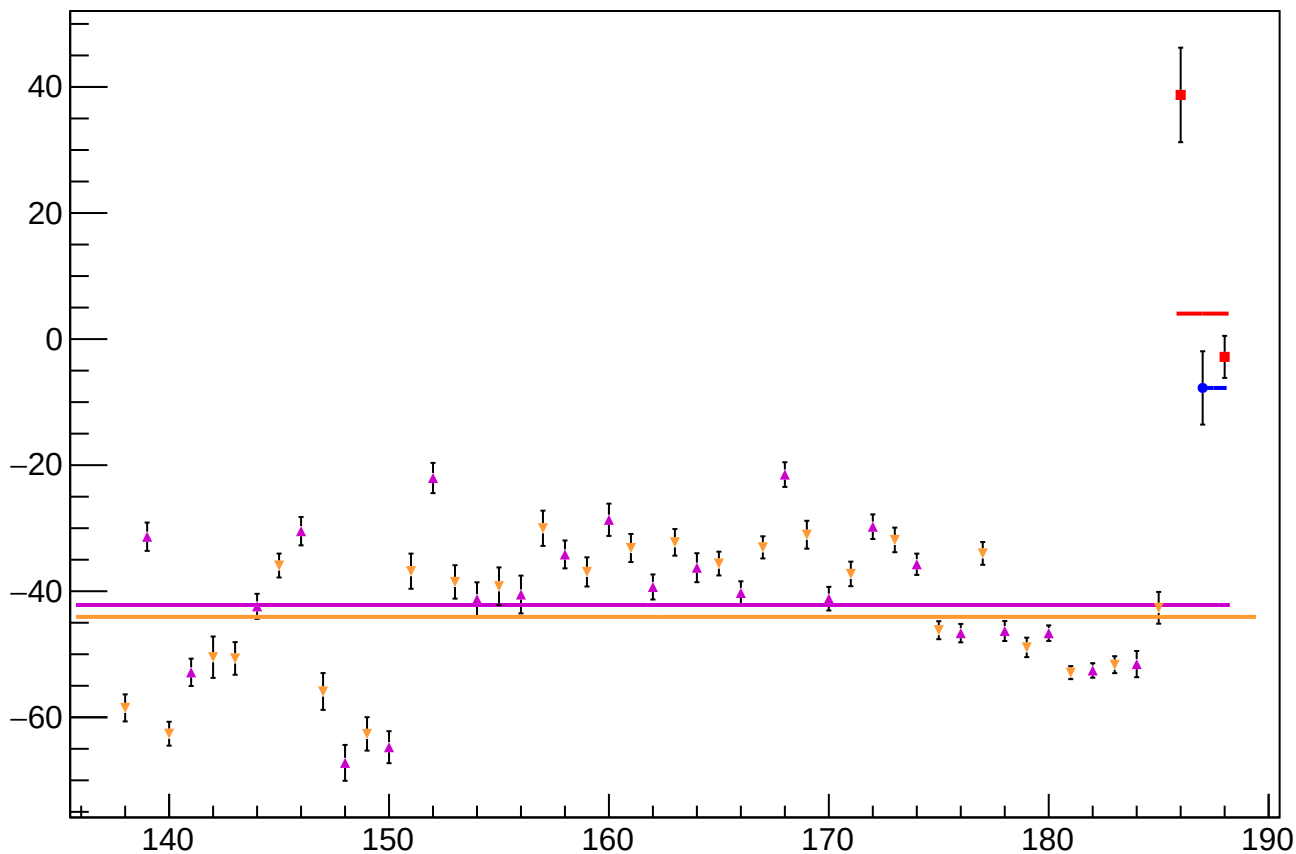
Right: 0.274 ± 0.006 χ^2/NDF : 1829.7/38

In: 0.447 ± 0.003 χ^2/NDF : 1744.6/40

Out: 0.450 ± 0.003 χ^2/NDF : 2347.5/45

All: 0.449 ± 0.002 χ^2/NDF : 4092.8/86

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



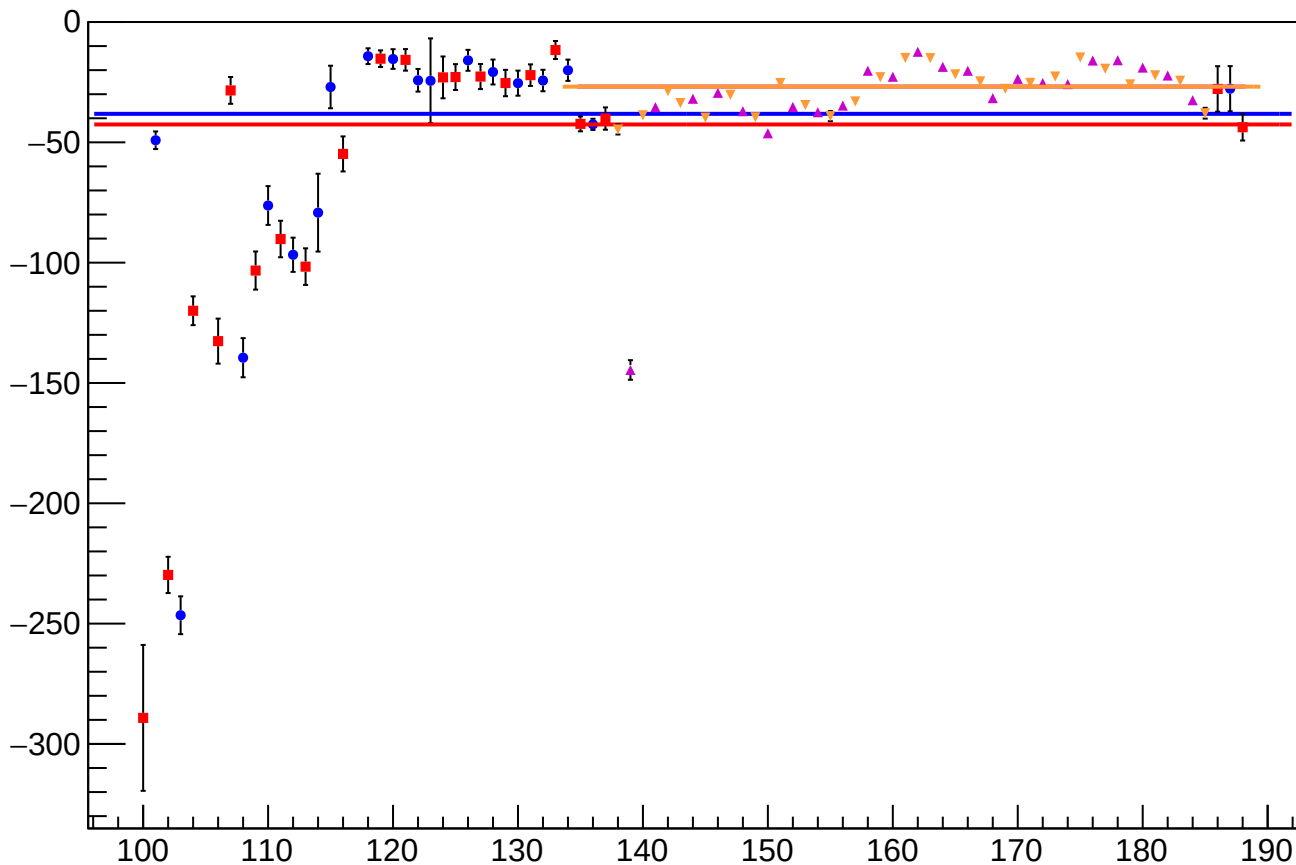
Right In: -7.749 ± 5.815 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -44.074 ± 0.389 $\chi^2/\text{NDF}: 632.8/24$
 Right Out: 4.044 ± 3.049 $\chi^2/\text{NDF}: 25.6/1$
 Left In: -42.185 ± 0.398 $\chi^2/\text{NDF}: 651.0/22$

Left: -43.149 ± 0.278 $\chi^2/\text{NDF}: 1295.4/47$
 Right: 1.501 ± 2.700 $\chi^2/\text{NDF}: 28.9/2$

In: -42.025 ± 0.397 $\chi^2/\text{NDF}: 686.0/23$
 Out: -43.302 ± 0.386 $\chi^2/\text{NDF}: 903.6/26$

All: -42.681 ± 0.277 $\chi^2/\text{NDF}: 1594.9/50$

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.156 ± 1.129 $\chi^2/\text{NDF}: 1133.9/17$

Left Out: -26.867 ± 0.317 $\chi^2/\text{NDF}: 629.1/24$

Right Out: -42.570 ± 1.173 $\chi^2/\text{NDF}: 1344.1/20$

Left In: -26.825 ± 0.325 $\chi^2/\text{NDF}: 1481.6/22$

Left: -26.847 ± 0.227 $\chi^2/\text{NDF}: 2110.7/47$

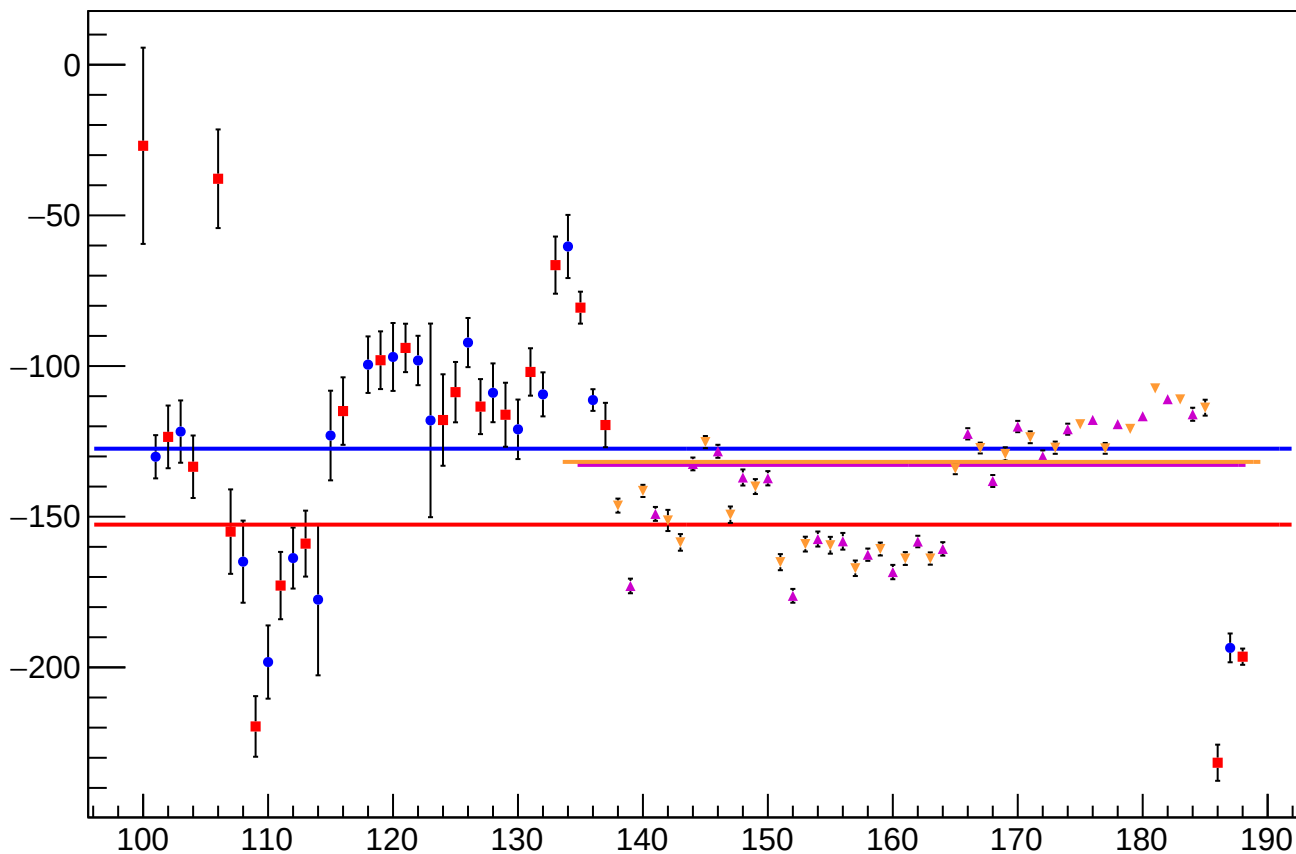
Right: -40.278 ± 0.813 $\chi^2/\text{NDF}: 2485.3/38$

In: -27.695 ± 0.313 $\chi^2/\text{NDF}: 2708.5/40$

Out: -27.935 ± 0.306 $\chi^2/\text{NDF}: 2140.1/45$

All: -27.818 ± 0.219 $\chi^2/\text{NDF}: 4849.0/86$

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: -152.626 $\pm$ 1.642 χ^2 /NDF: 1042.0/20

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

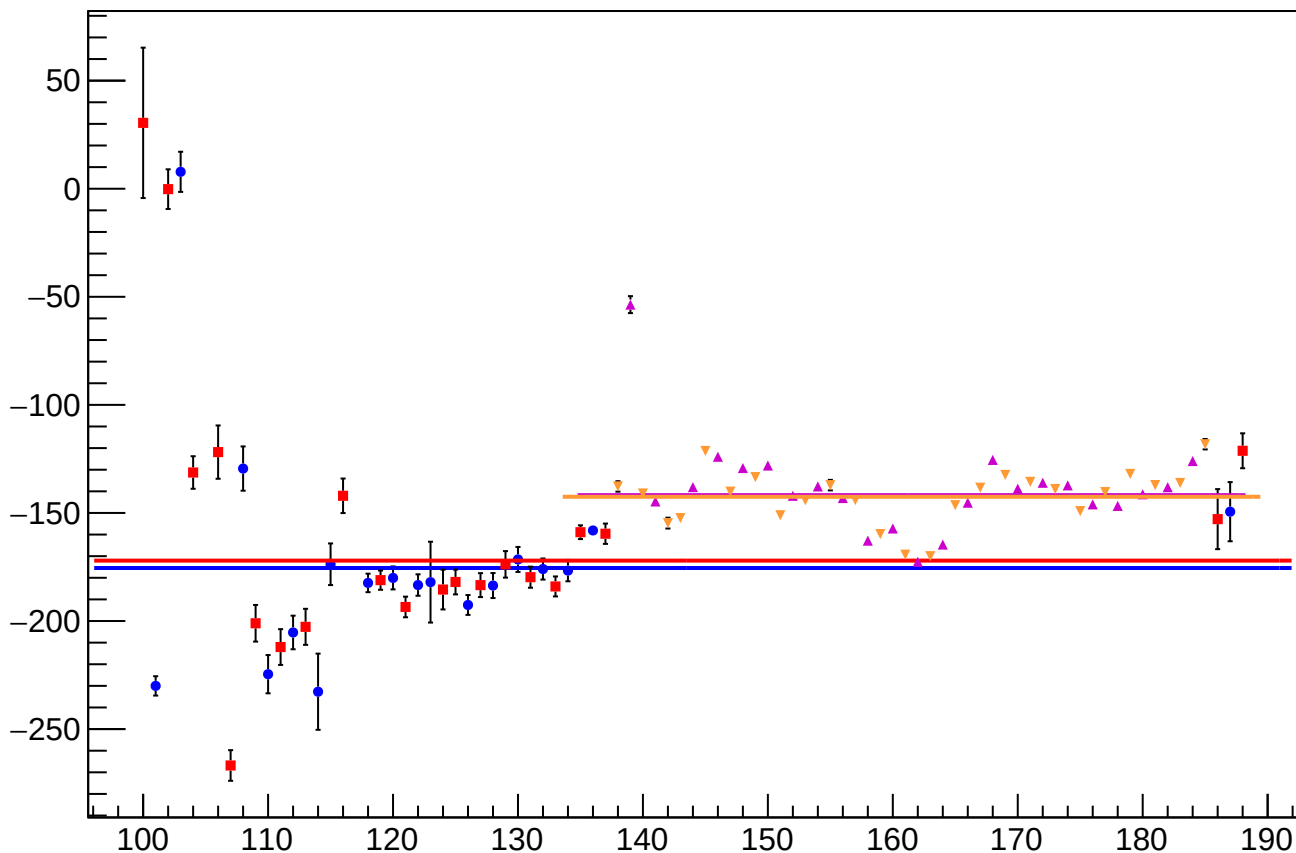
Right: -141.862 $\pm$ 1.243 χ^2 /NDF: 1511.8/38

In: -132.573 $\pm$ 0.390 χ^2 /NDF:2892.6/40

Out: -132.928 $\pm$ 0.381 χ^2 /NDF:3611.2/45

All: -132.755 $\pm$ 0.272 χ^2 /NDF: 6504.2/86

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: -172.051 ± 1.331 χ^2/NDF : 780.6/20

Left In: -141.769 ± 0.363 χ^2/NDF : 1604.4/22

Left: -142.151 ± 0.254 χ^2/NDF : 2750.7/47

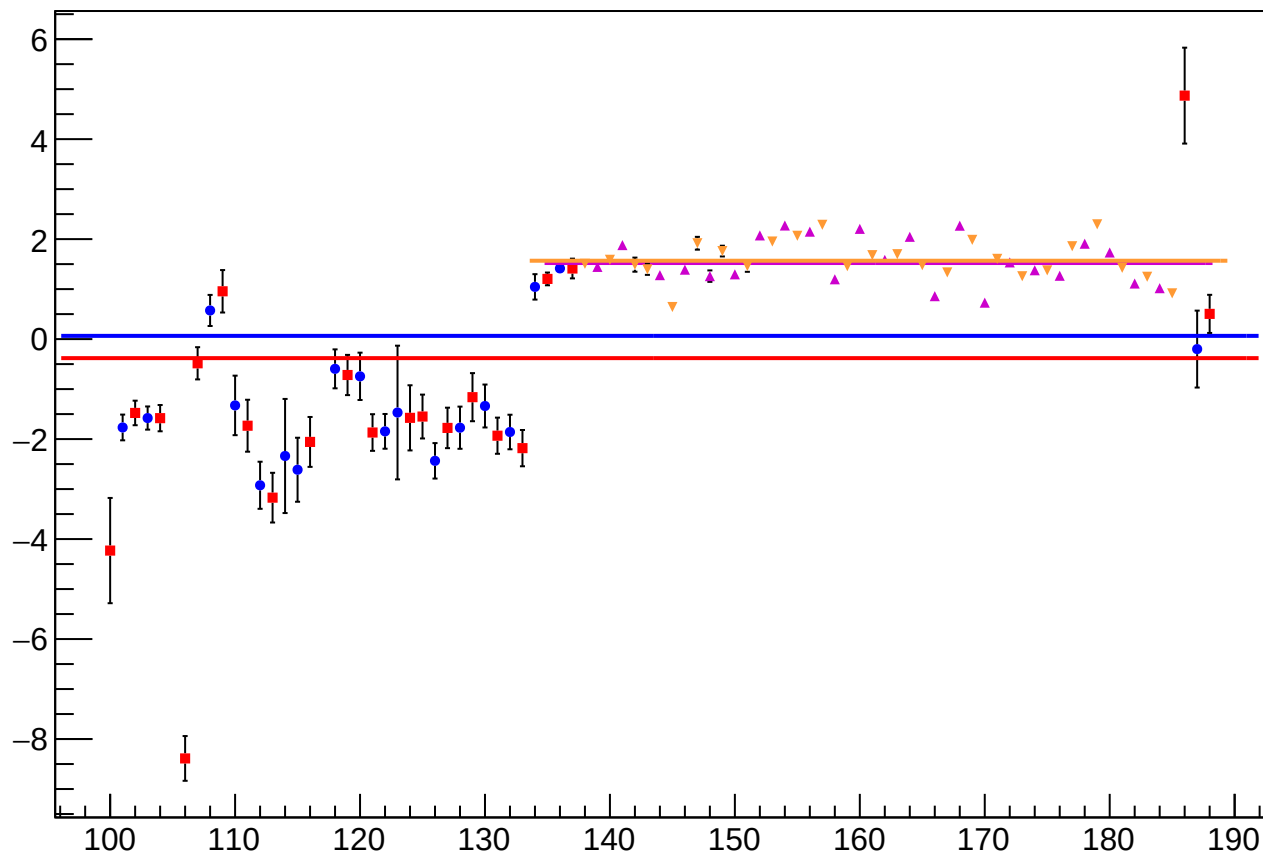
Right: -173.852 ± 0.916 χ^2/NDF : 1480.7/38

In: -144.339 ± 0.349 χ^2/NDF : 2959.6/40

Out: -144.476 ± 0.343 χ^2/NDF : 2384.5/45

All: -144.409 ± 0.244 χ^2/NDF : 5344.2/86

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.065 ± 0.067 χ^2/NDF : 526.3/17

Left Out: 1.568 ± 0.016 χ^2/NDF : 541.0/24

Right Out: -0.381 ± 0.070 χ^2/NDF : 790.9/20

Left In: 1.522 ± 0.016 χ^2/NDF : 739.1/22

Left: 1.545 ± 0.012 χ^2/NDF : 1284.1/47

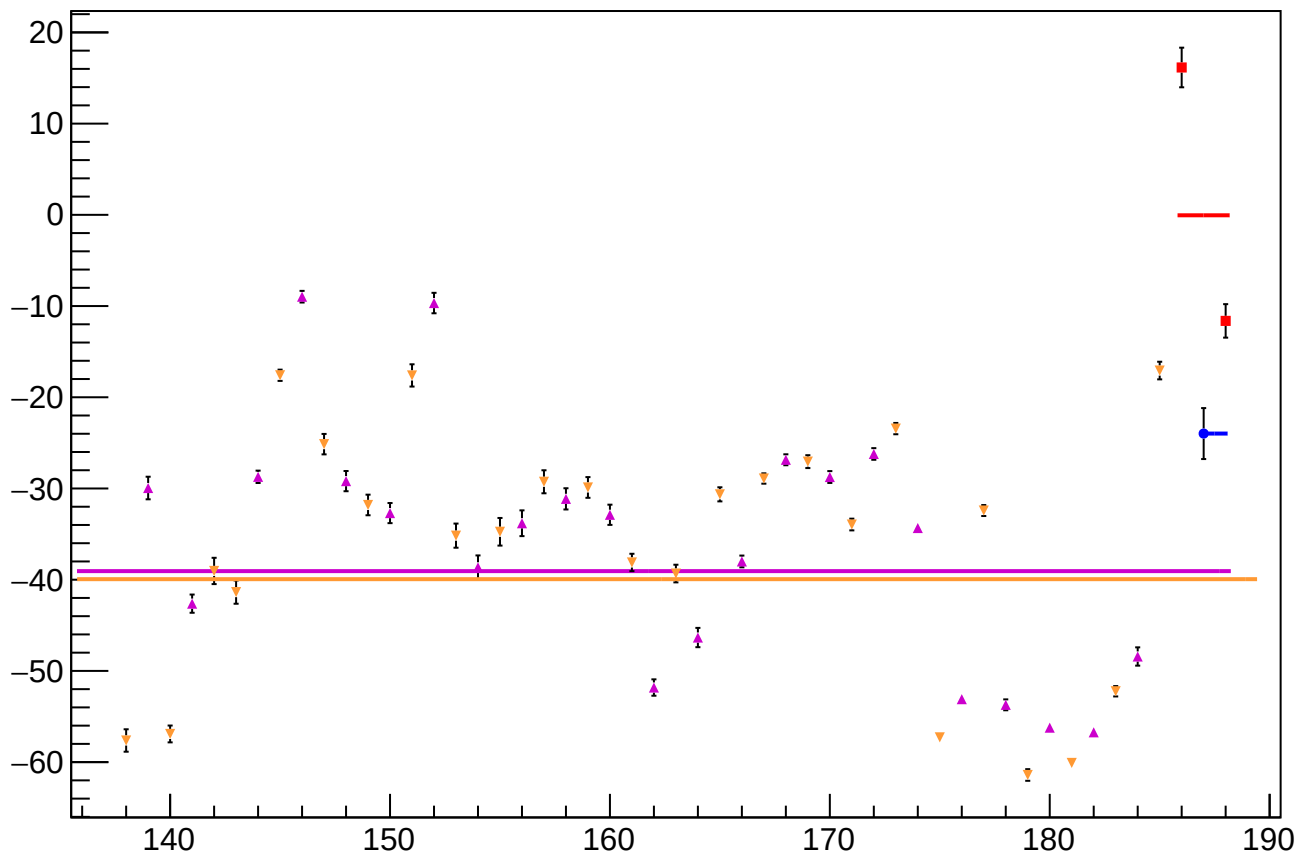
Right: -0.148 ± 0.048 χ^2/NDF : 1338.5/38

In: 1.439 ± 0.016 χ^2/NDF : 1715.1/40

Out: 1.468 ± 0.016 χ^2/NDF : 2073.0/45

All: 1.453 ± 0.011 χ^2/NDF : 3789.8/86

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: -0.050 ± 1.402 $\chi^2/\text{NDF}: 95.4/1$
 Left In: -39.060 ± 0.154 $\chi^2/\text{NDF}: 8577.0/22$

Left: -39.503 ± 0.109 $\chi^2/\text{NDF}: 18399.6/47$

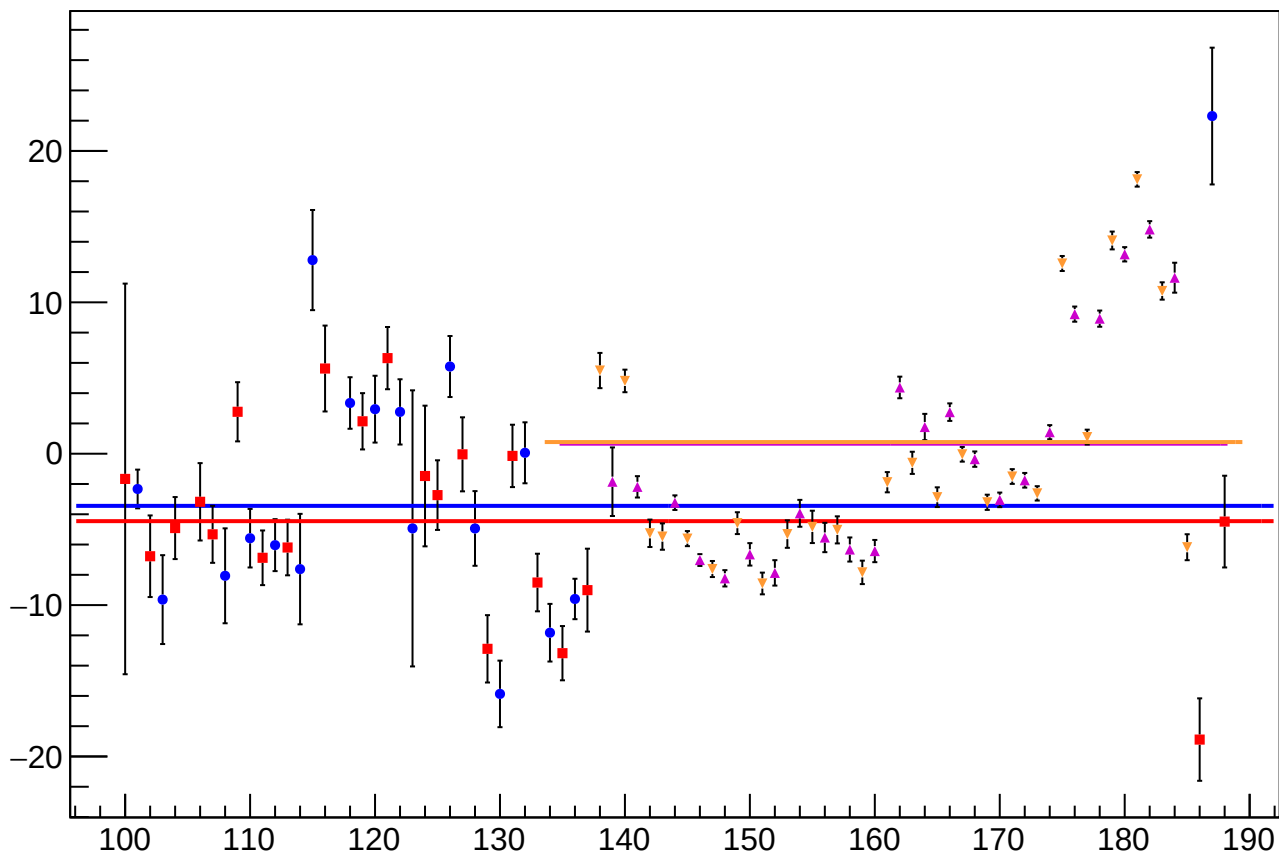
Right: -4.866 ± 1.253 $\chi^2/\text{NDF}: 154.0/2$

In: -39.014 ± 0.154 $\chi^2/\text{NDF}: 8606.0/23$

Out: -39.471 ± 0.152 $\chi^2/\text{NDF}: 10701.3/26$

All: -39.244 ± 0.108 $\chi^2/\text{NDF}: 19311.8/50$

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: -4.455 ± 0.492 χ^2/NDF : 152.4/20

Left In: 0.662 ± 0.124 χ^2/NDF : 3340.9/22

Left: 0.716 ± 0.088 χ^2/NDF : 7294.2/47

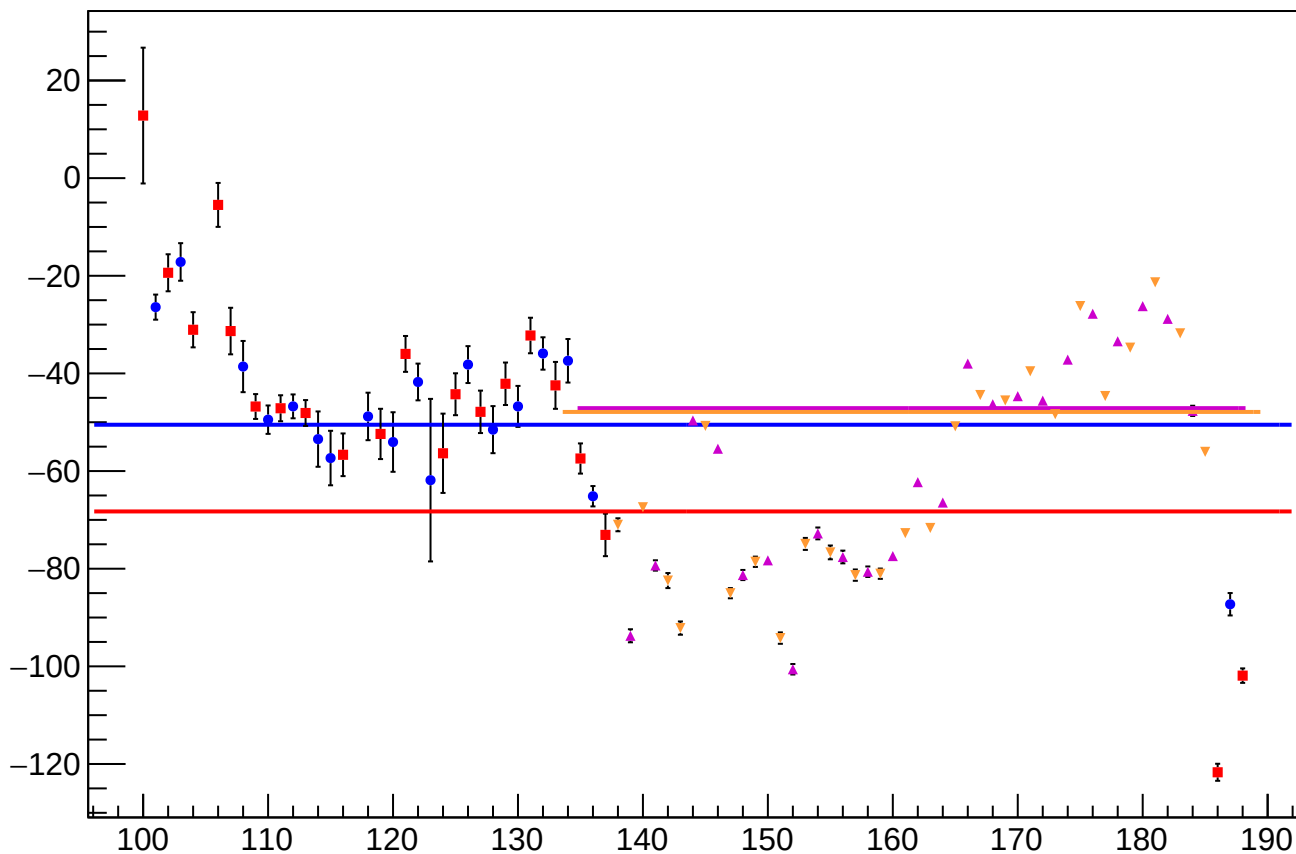
Right: -3.950 ± 0.348 χ^2/NDF : 352.7/38

In: 0.417 ± 0.120 χ^2/NDF : 3604.6/40

Out: 0.456 ± 0.121 χ^2/NDF : 4211.4/45

All: 0.436 ± 0.085 χ^2/NDF : 7816.1/86

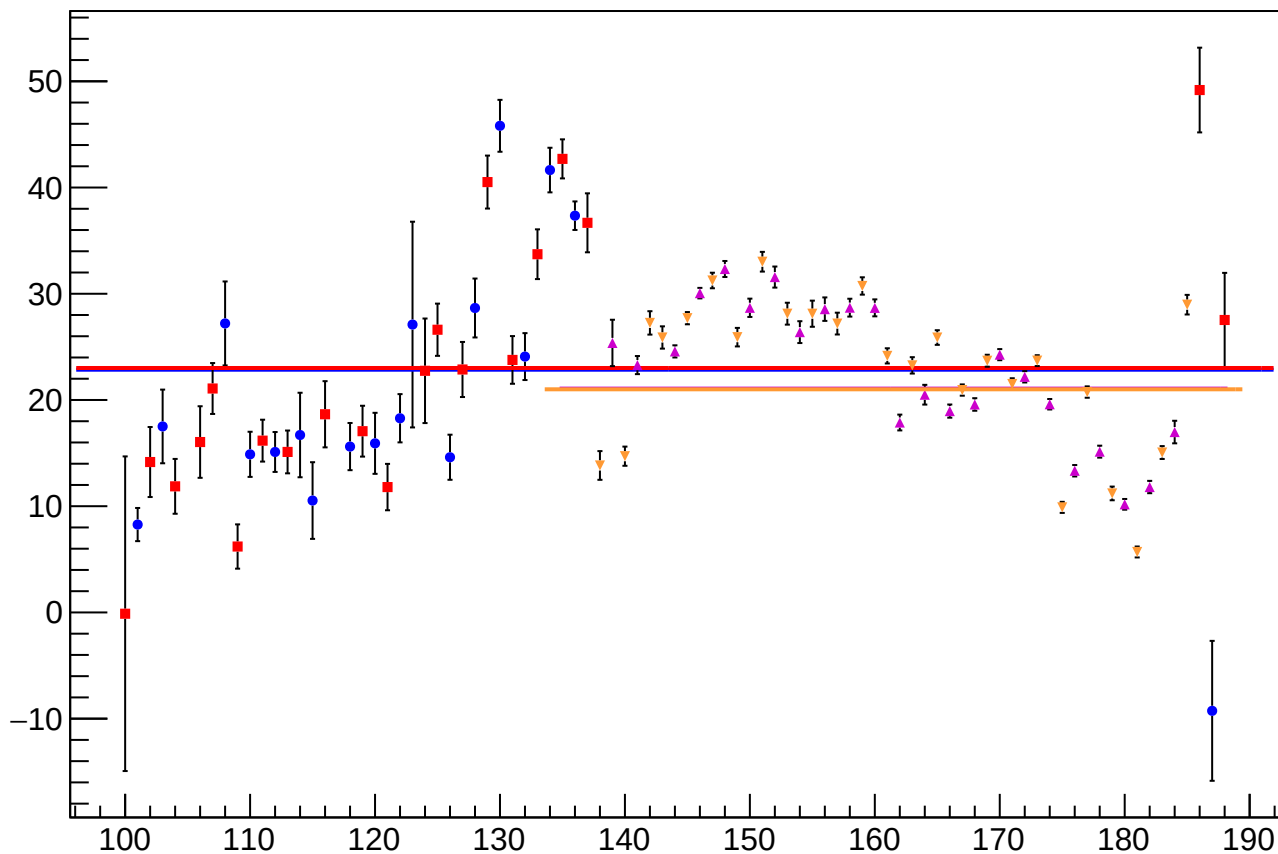
reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -50.513 ± 0.822 $\chi^2/\text{NDF}: 524.1/17$
 Left Out: -47.888 ± 0.155 $\chi^2/\text{NDF}: 16707.2/24$
 Right Out: -68.271 ± 0.693 $\chi^2/\text{NDF}: 2532.3/20$
 Left In: -47.112 ± 0.155 $\chi^2/\text{NDF}: 15654.8/22$

Left: -47.500 ± 0.109 $\chi^2/\text{NDF}: 32374.6/47$
 Right: -60.899 ± 0.530 $\chi^2/\text{NDF}: 3329.1/38$
 In: -47.229 ± 0.152 $\chi^2/\text{NDF}: 16195.4/40$
 Out: -48.857 ± 0.151 $\chi^2/\text{NDF}: 20063.8/45$
 All: -48.048 ± 0.107 $\chi^2/\text{NDF}: 36316.9/86$

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: 23.012 $\pm$ 0.562 χ^2 /NDF: 415.5/20

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

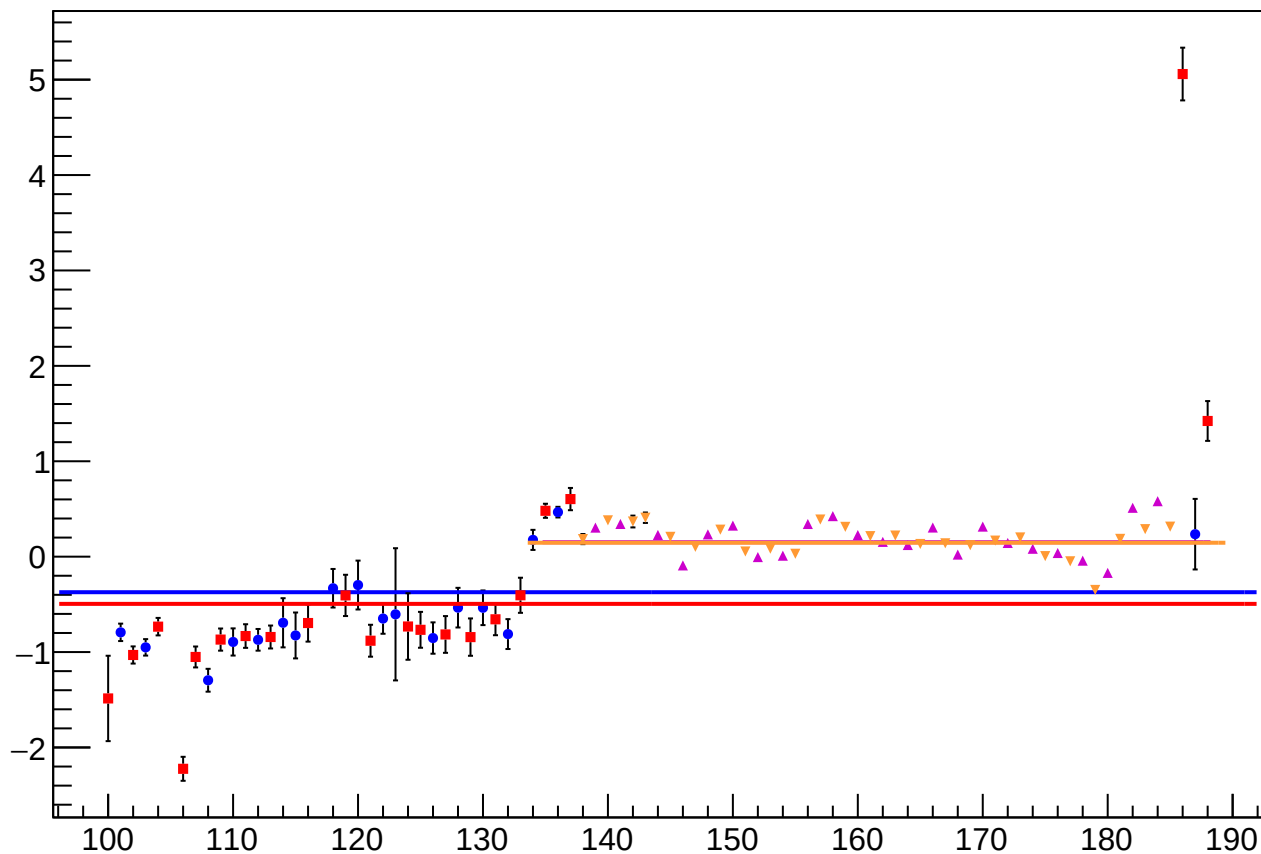
Right: 22.930 $\pm$ 0.394 χ^2 /NDF: 900.6/38

In: 21.175 $\pm$ 0.135 χ^2 /NDF:2671.6/40

Out: 21.120 $\pm$ 0.135 χ^2 /NDF:3217.0/45

All: 21.148 $\pm$ 0.095 χ^2 /NDF: 5888.7/86

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: -0.495 ± 0.030 $\chi^2/\text{NDF}: 1056.2/20$

Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 873.9/22$

Left: 0.149 ± 0.004 $\chi^2/\text{NDF}: 1484.1/47$

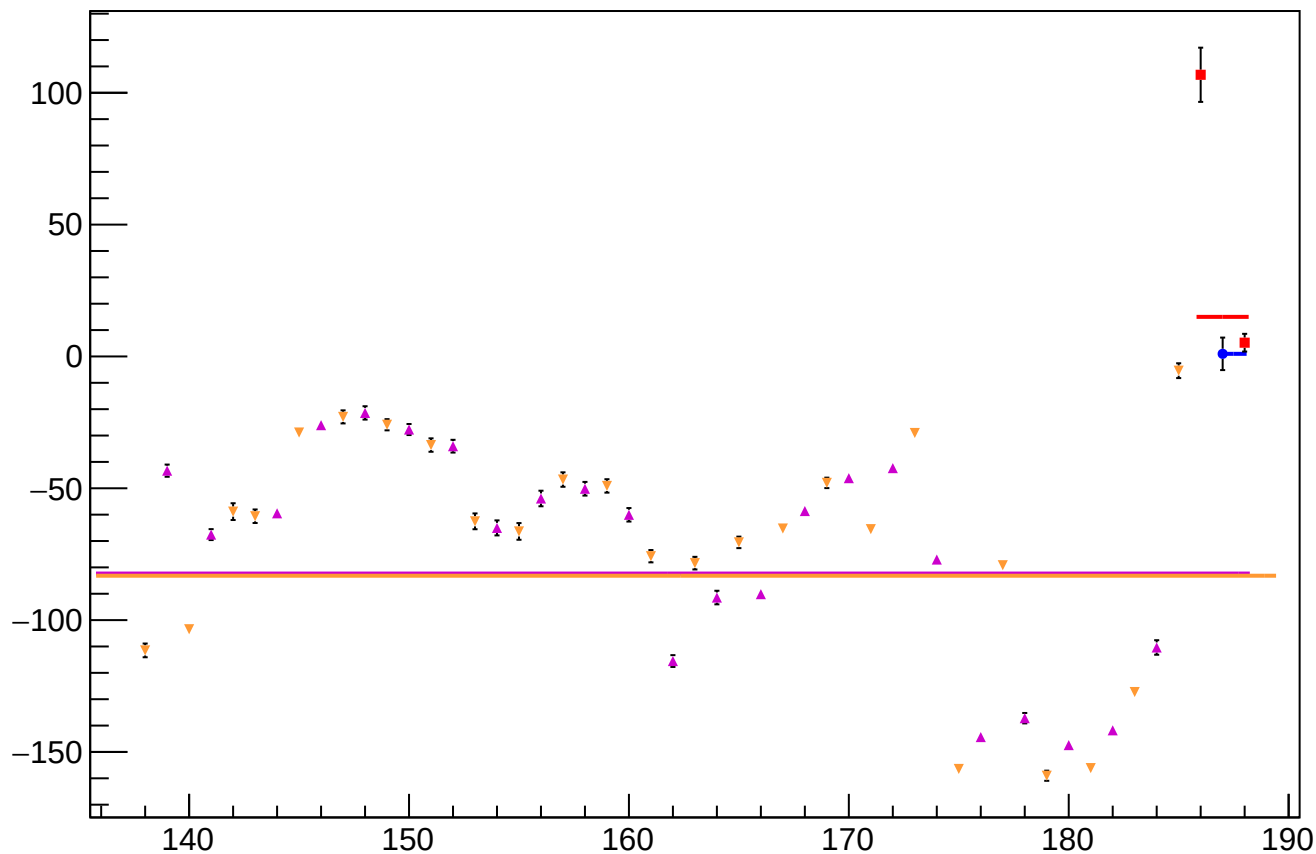
Right: -0.434 ± 0.021 $\chi^2/\text{NDF}: 1504.5/38$

In: 0.129 ± 0.006 $\chi^2/\text{NDF}: 1606.2/40$

Out: 0.118 ± 0.006 $\chi^2/\text{NDF}: 2111.6/45$

All: 0.123 ± 0.004 $\chi^2/\text{NDF}: 3719.3/86$

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: 15.011 ± 3.192 $\chi^2/\text{NDF}: 88.2/1$

Left In: -82.342 ± 0.413 $\chi^2/\text{NDF}: 10954.9/22$

Left: -82.758 ± 0.290 $\chi^2/\text{NDF}: 24751.3/47$

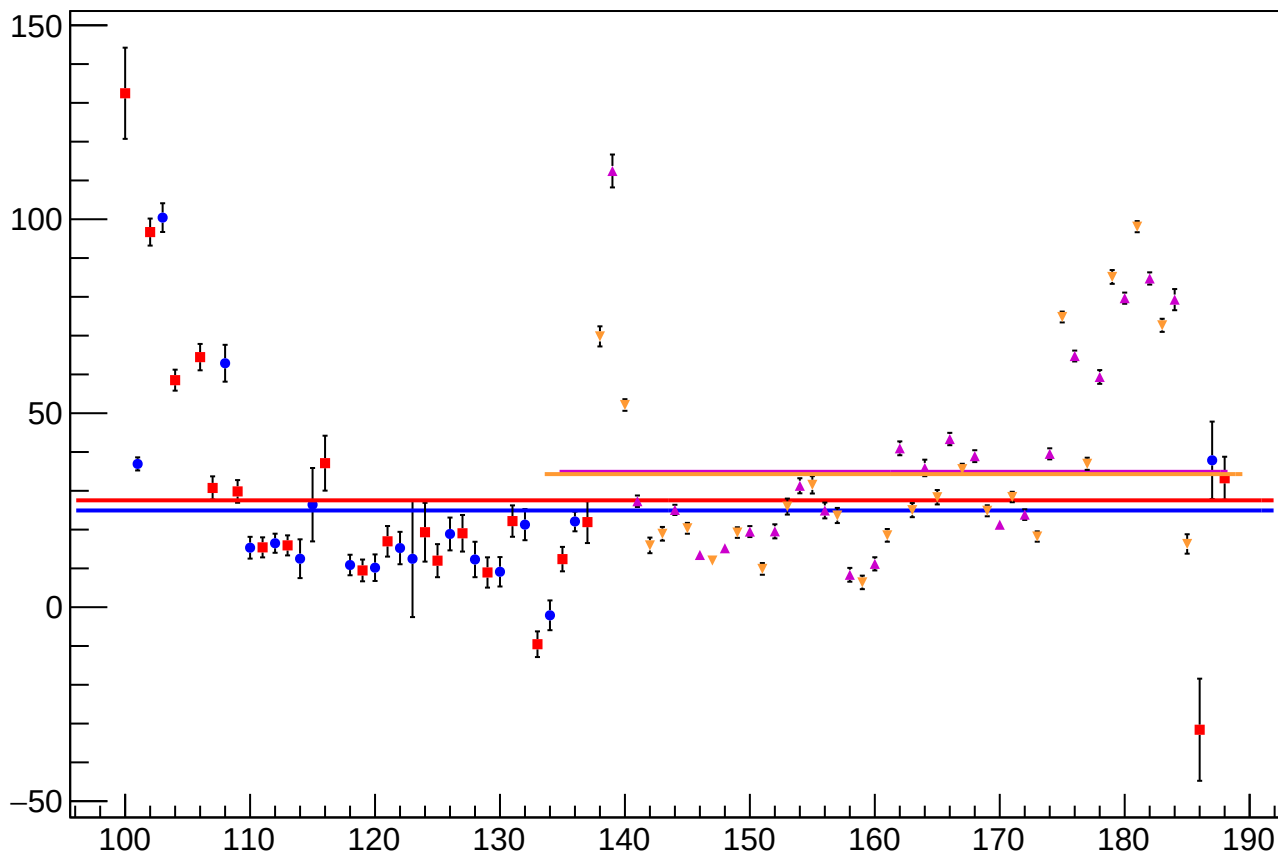
Right: 12.045 ± 2.834 $\chi^2/\text{NDF}: 92.3/2$

In: -81.970 ± 0.412 $\chi^2/\text{NDF}: 11136.9/23$

Out: -81.592 ± 0.404 $\chi^2/\text{NDF}: 14813.4/26$

All: -81.777 ± 0.288 $\chi^2/\text{NDF}: 25950.7/50$

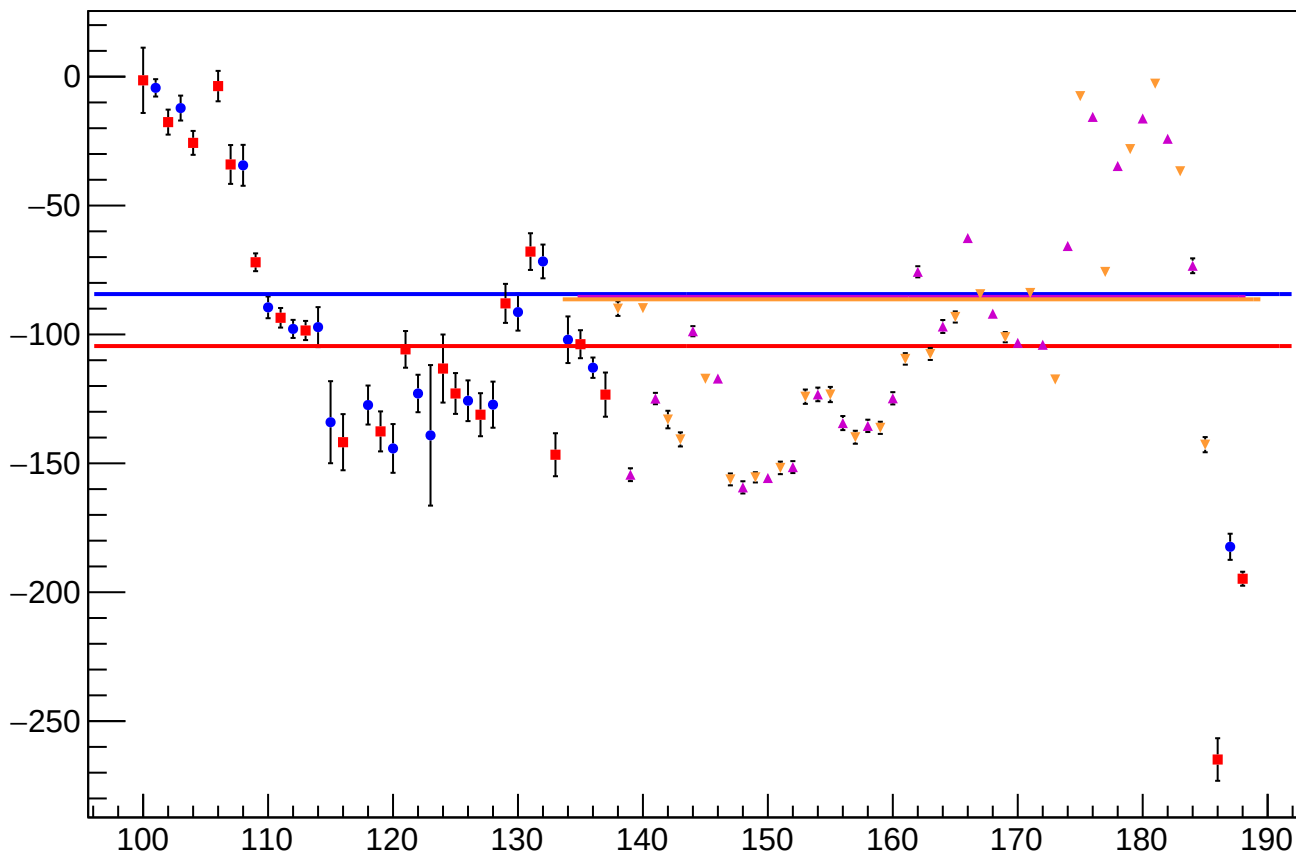
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 24.931 ± 0.798 χ^2/NDF : 692.5/17
 Left Out: 34.306 ± 0.321 χ^2/NDF : 6163.7/24
 Right Out: 27.545 ± 0.800 χ^2/NDF : 1030.4/20
 Left In: 34.893 ± 0.328 χ^2/NDF : 4754.6/22

Left: 34.593 ± 0.229 χ^2/NDF : 10919.9/47
 Right: 26.235 ± 0.565 χ^2/NDF : 1728.3/38
 In: 33.453 ± 0.304 χ^2/NDF : 5580.3/40
 Out: 33.369 ± 0.298 χ^2/NDF : 7255.6/45
 All: 33.410 ± 0.213 χ^2/NDF : 12835.9/86

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -84.341 ± 1.360 $\chi^2/\text{NDF}: 1445.3/17$

Left Out: -86.377 ± 0.409 $\chi^2/\text{NDF}: 14435.1/24$

Right Out: -104.507 ± 1.197 $\chi^2/\text{NDF}: 2747.1/20$

Left In: -85.441 ± 0.413 $\chi^2/\text{NDF}: 12998.9/22$

Left: -85.914 ± 0.291 $\chi^2/\text{NDF}: 27436.5/47$

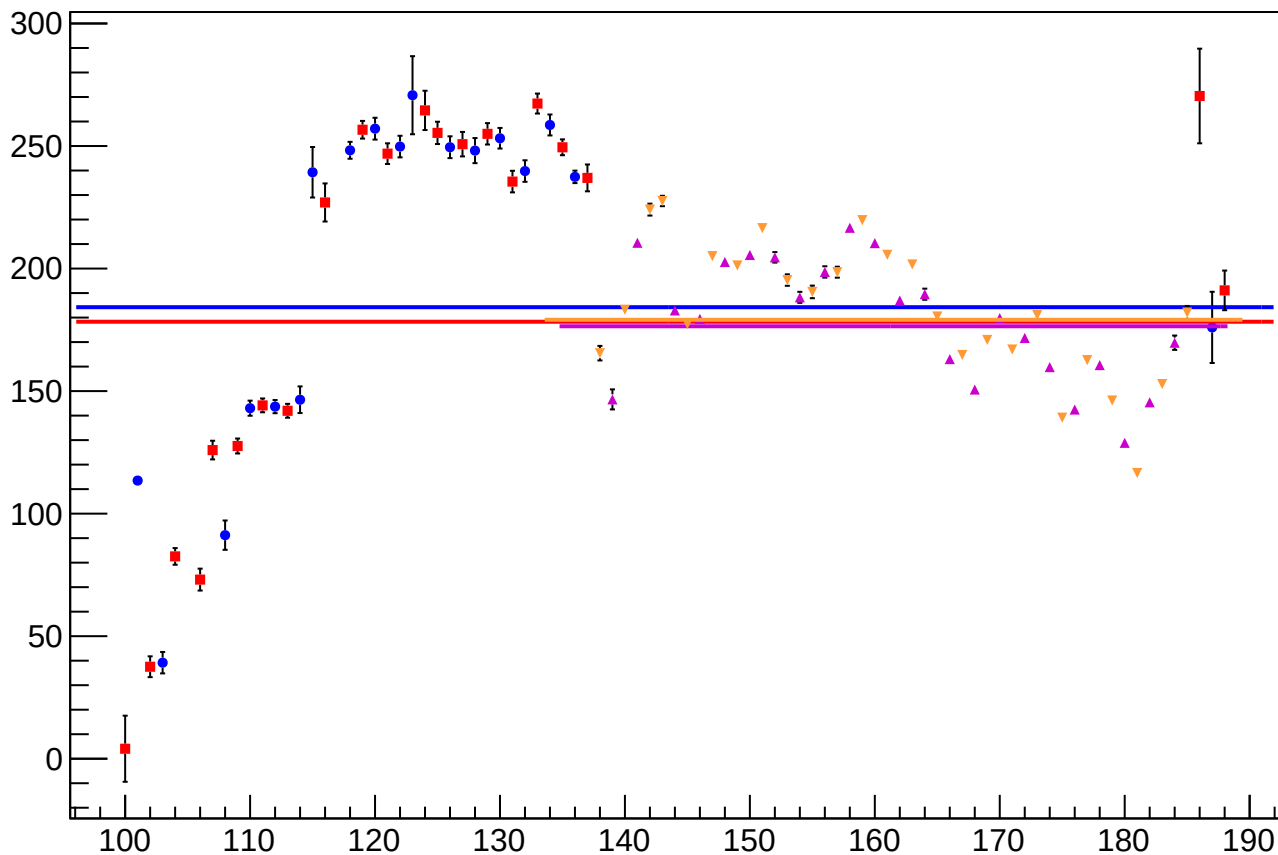
Right: -95.704 ± 0.899 $\chi^2/\text{NDF}: 4316.3/38$

In: -85.348 ± 0.395 $\chi^2/\text{NDF}: 14444.8/40$

Out: -88.272 ± 0.387 $\chi^2/\text{NDF}: 17387.5/45$

All: -86.840 ± 0.277 $\chi^2/\text{NDF}: 31860.2/86$

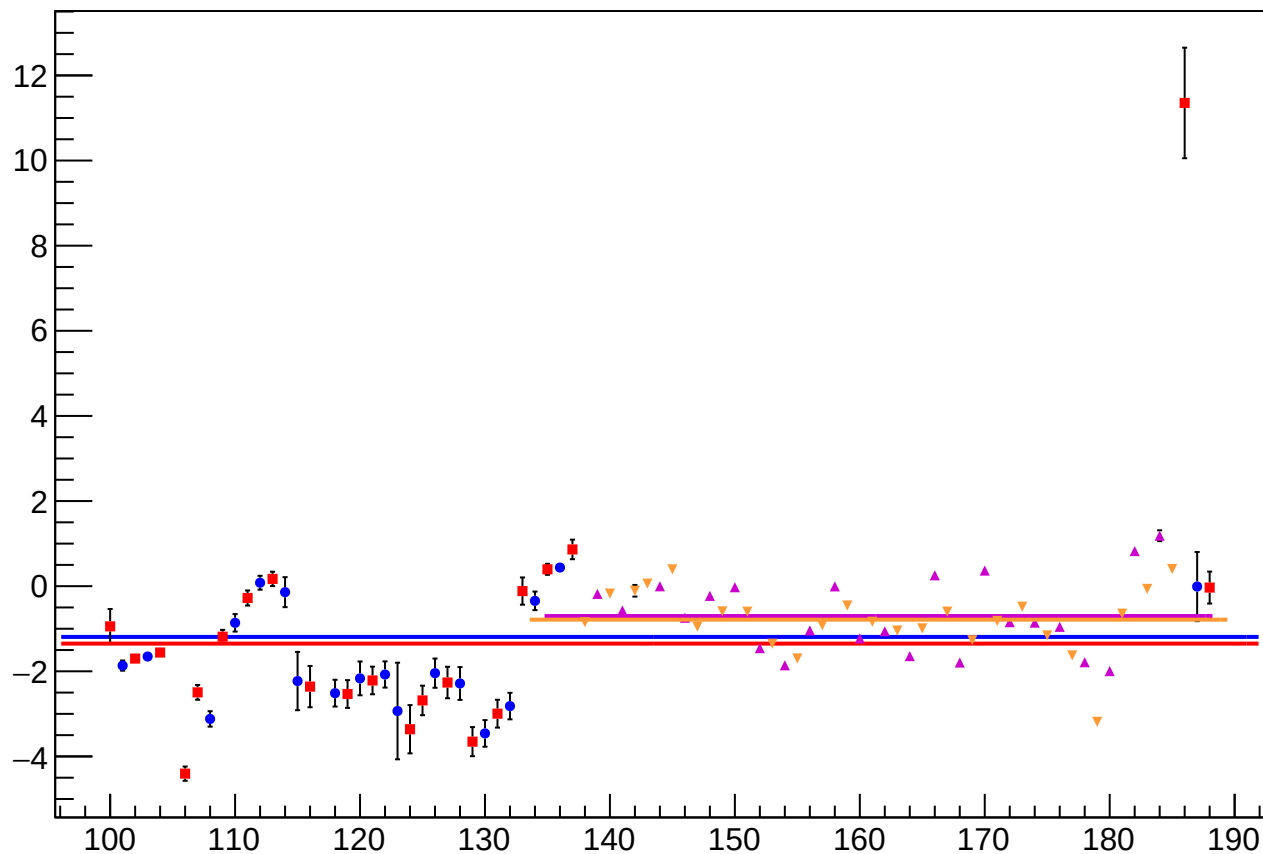
reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 178.308 $\pm$ 0.917 χ^2 /NDF: 6356.4/20
 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: 181.290 $\pm$ 0.647 χ^2 /NDF: 11778.7/38
 In: 177.548 $\pm$ 0.343 χ^2 /NDF: 9906.1/40
 Out: 179.000 $\pm$ 0.337 χ^2 /NDF: 12234.5/45
 All: 178.286 $\pm$ 0.240 χ^2 /NDF: 22149.7/86

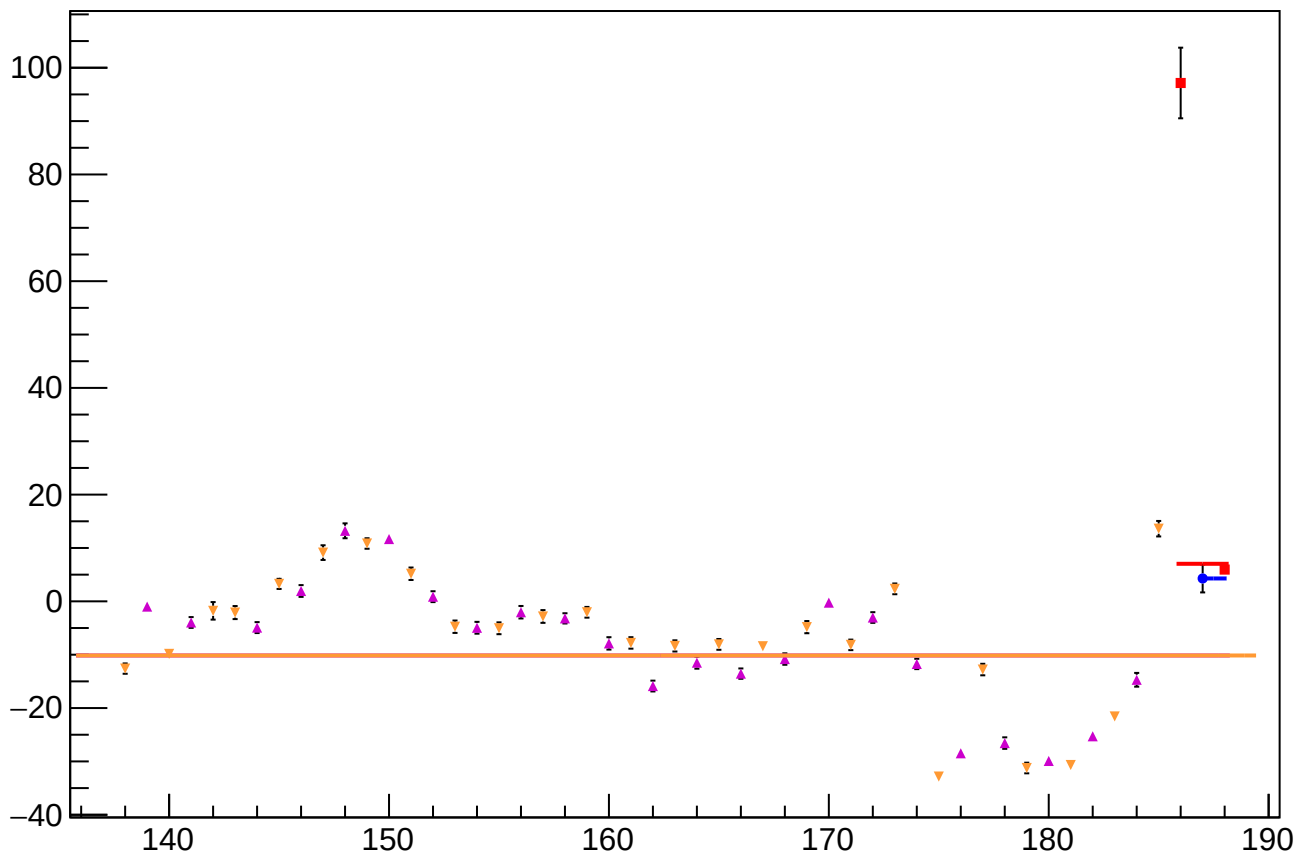
reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



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: -1.349 ± 0.045 χ^2/NDF : 1033.0/20
 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 : 1663.9/38
 In: -0.756 ± 0.016 χ^2/NDF : 3139.3/40
 Out: -0.853 ± 0.016 χ^2/NDF : 2929.1/45
 All: -0.805 ± 0.011 χ^2/NDF : 6087.6/86

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.287 ± 2.614 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -10.147 ± 0.202 $\chi^2/\text{NDF}: 4128.5/24$

Right Out: 7.034 ± 0.722 $\chi^2/\text{NDF}: 187.5/1$

Left In: -10.149 ± 0.204 $\chi^2/\text{NDF}: 3491.7/22$

Left: -10.148 ± 0.143 $\chi^2/\text{NDF}: 7620.2/47$

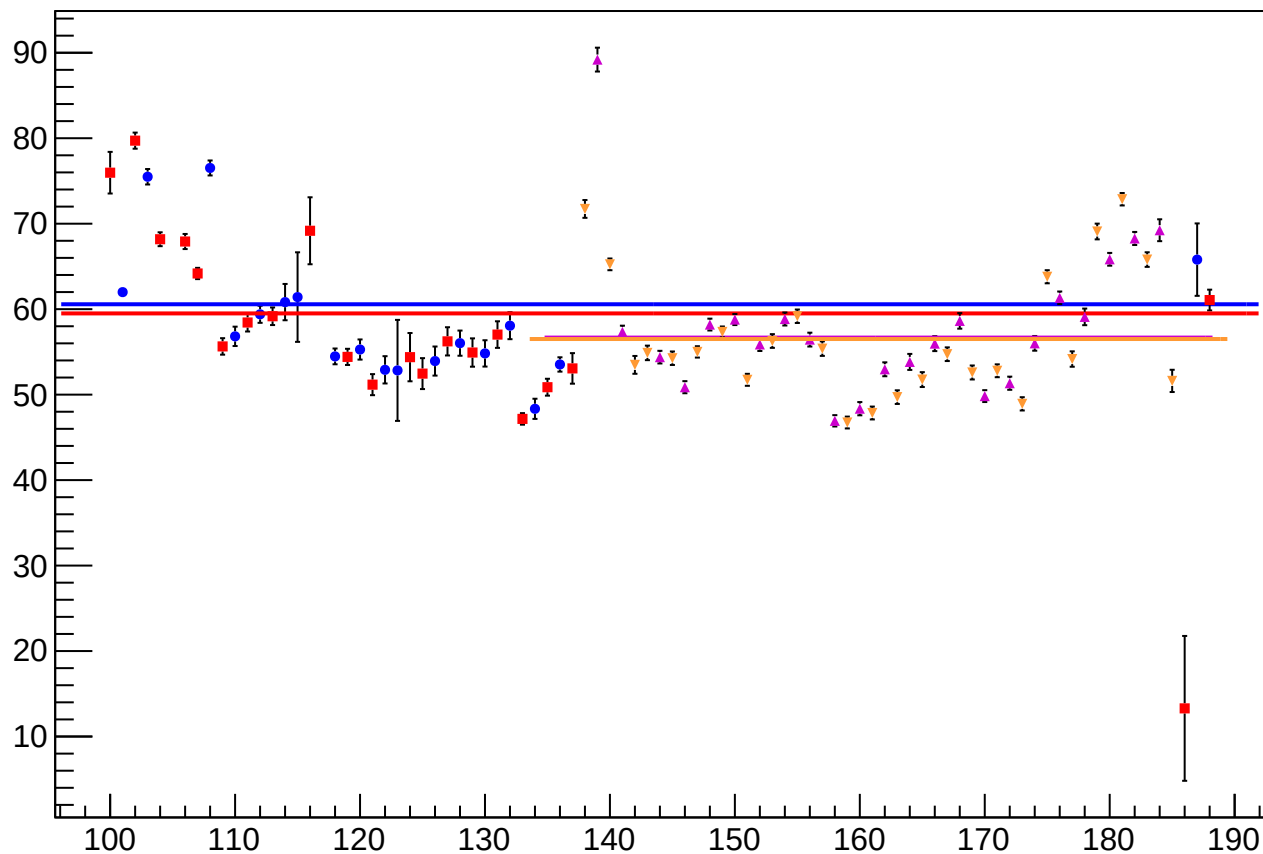
Right: 6.840 ± 0.696 $\chi^2/\text{NDF}: 188.6/2$

In: -10.061 ± 0.203 $\chi^2/\text{NDF}: 3522.0/23$

Out: -8.901 ± 0.194 $\chi^2/\text{NDF}: 4841.8/26$

All: -9.455 ± 0.140 $\chi^2/\text{NDF}: 8380.8/50$

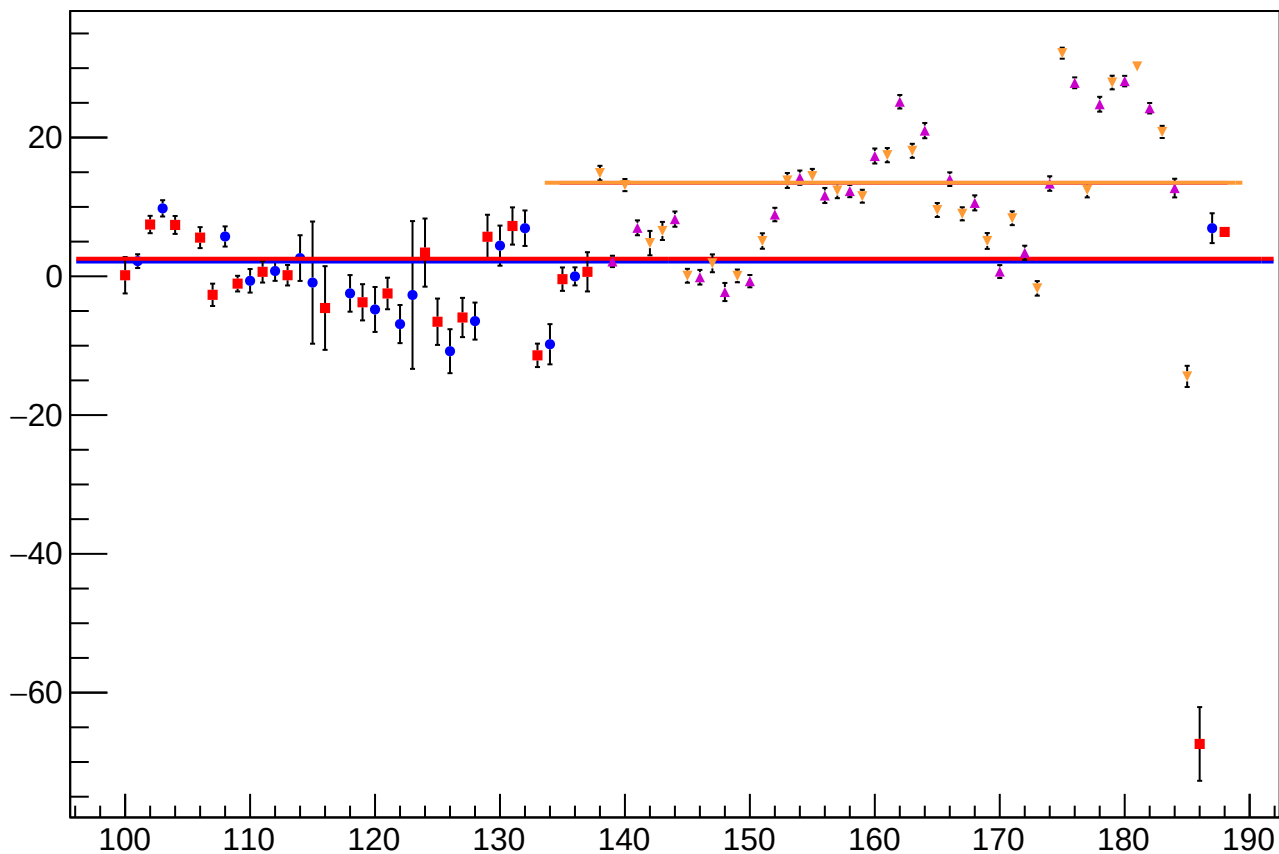
reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.574 ± 0.261 $\chi^2/\text{NDF}: 932.3/17$
 Left Out: 56.508 ± 0.159 $\chi^2/\text{NDF}: 1962.3/24$
 Right Out: 59.503 ± 0.243 $\chi^2/\text{NDF}: 1348.4/20$
 Left In: 56.674 ± 0.165 $\chi^2/\text{NDF}: 1679.8/22$

Left: 56.588 ± 0.114 $\chi^2/\text{NDF}: 3642.7/47$
 Right: 59.999 ± 0.178 $\chi^2/\text{NDF}: 2289.7/38$
 In: 57.784 ± 0.139 $\chi^2/\text{NDF}: 2771.7/40$
 Out: 57.409 ± 0.133 $\chi^2/\text{NDF}: 3417.1/45$
 All: 57.588 ± 0.096 $\chi^2/\text{NDF}: 6192.6/86$

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.132 ± 0.448 χ^2/NDF : 126.8/17

Left Out: 13.485 ± 0.202 χ^2/NDF : 2731.0/24

Right Out: 2.531 ± 0.343 χ^2/NDF : 379.9/20

Left In: 13.456 ± 0.203 χ^2/NDF : 2371.9/22

Left: 13.471 ± 0.143 χ^2/NDF : 5102.9/47

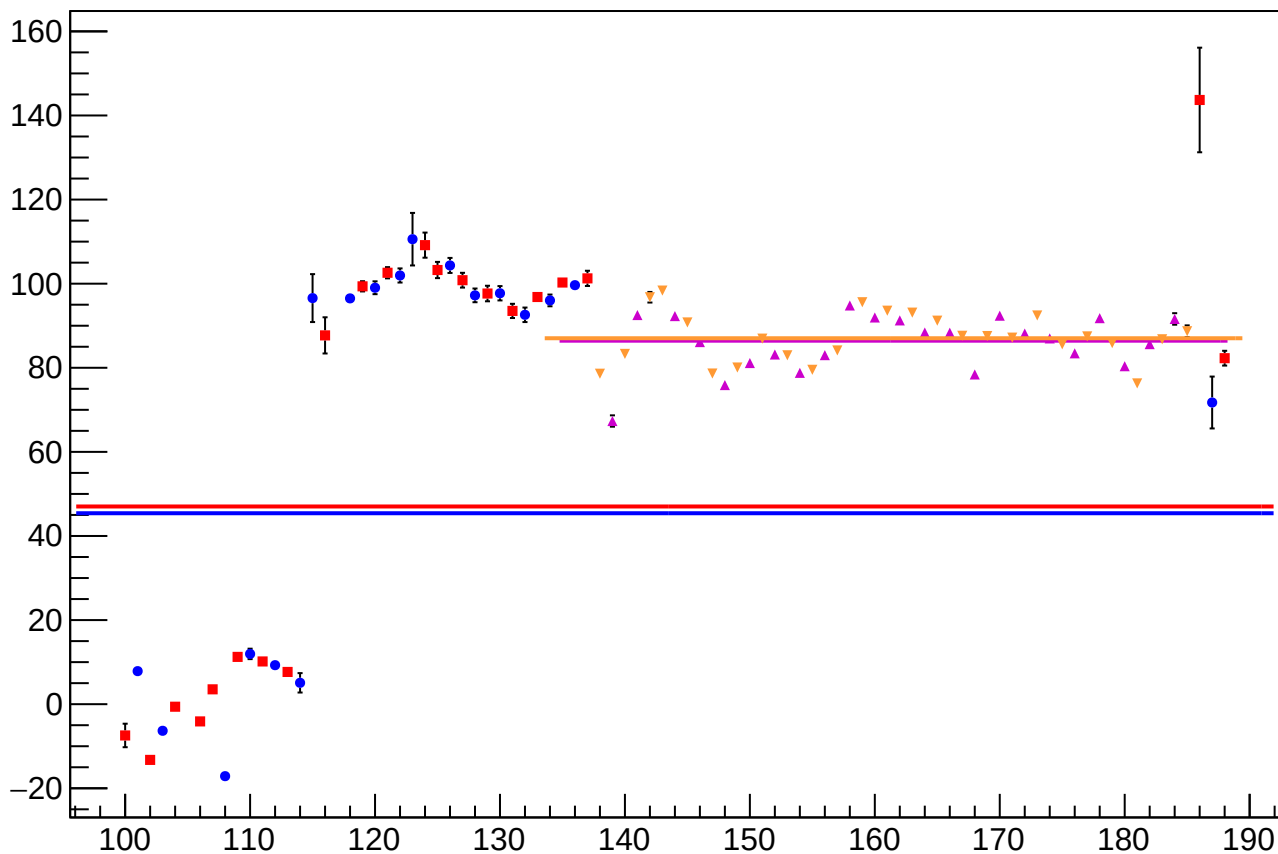
Right: 2.383 ± 0.272 χ^2/NDF : 507.2/38

In: 11.524 ± 0.185 χ^2/NDF : 3029.3/40

Out: 10.668 ± 0.174 χ^2/NDF : 3868.1/45

All: 11.070 ± 0.127 χ^2/NDF : 6908.8/86

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: 47.015 $\pm$ 0.286 χ^2 /NDF: 28694.6/20

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

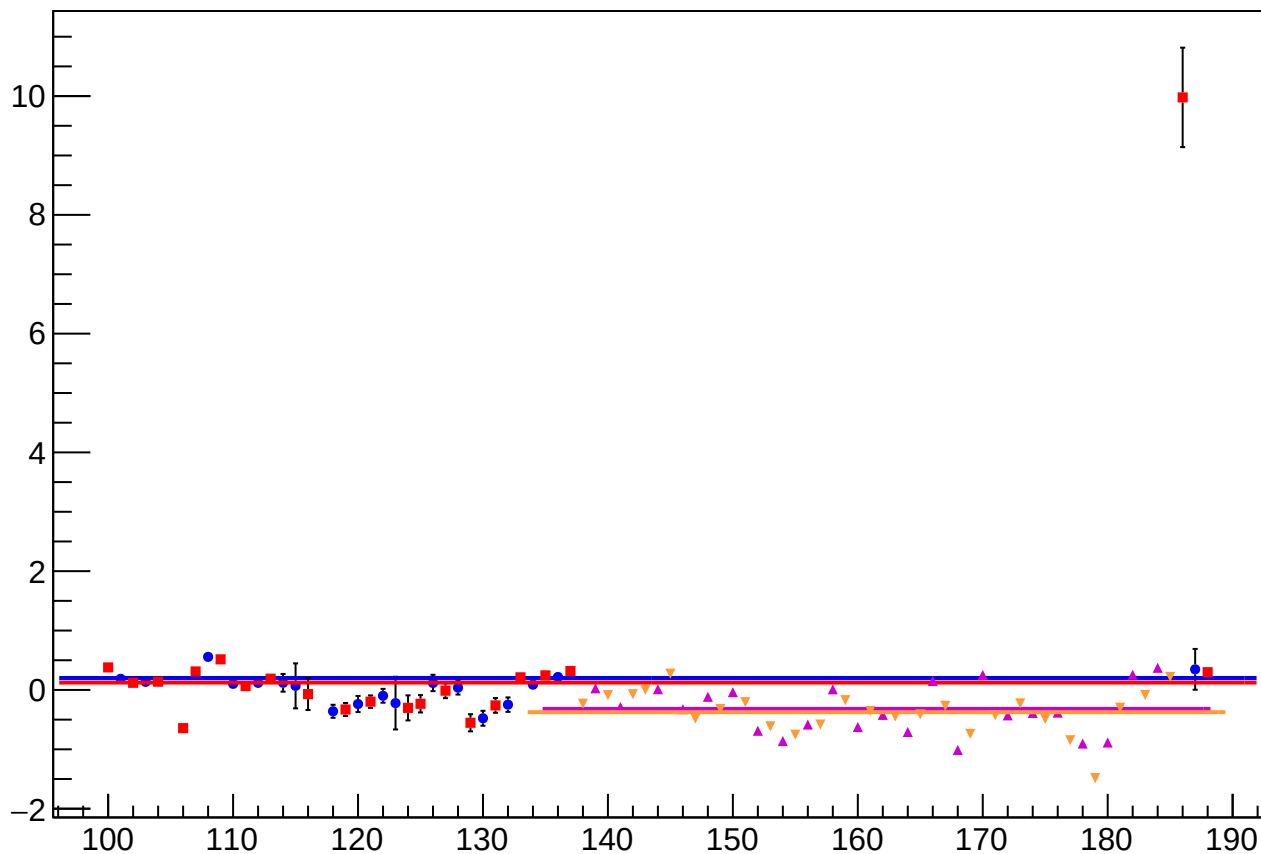
Right: 46.258 $\pm$ 0.208 χ^2 /NDF: 53798.8/38

In: 75.381 $\pm$ 0.157 χ^2 /NDF:39536.6/40

Out: 75.693 $\pm$ 0.152 χ^2 /NDF:43823.3/45

All: 75.543 $\pm$ 0.109 χ^2 /NDF: 83361.9/86

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: 0.124 ± 0.013 χ^2/NDF : 643.6/20

Left In: -0.320 ± 0.008 χ^2/NDF : 2325.0/22

Left: -0.348 ± 0.006 χ^2/NDF : 4005.2/47

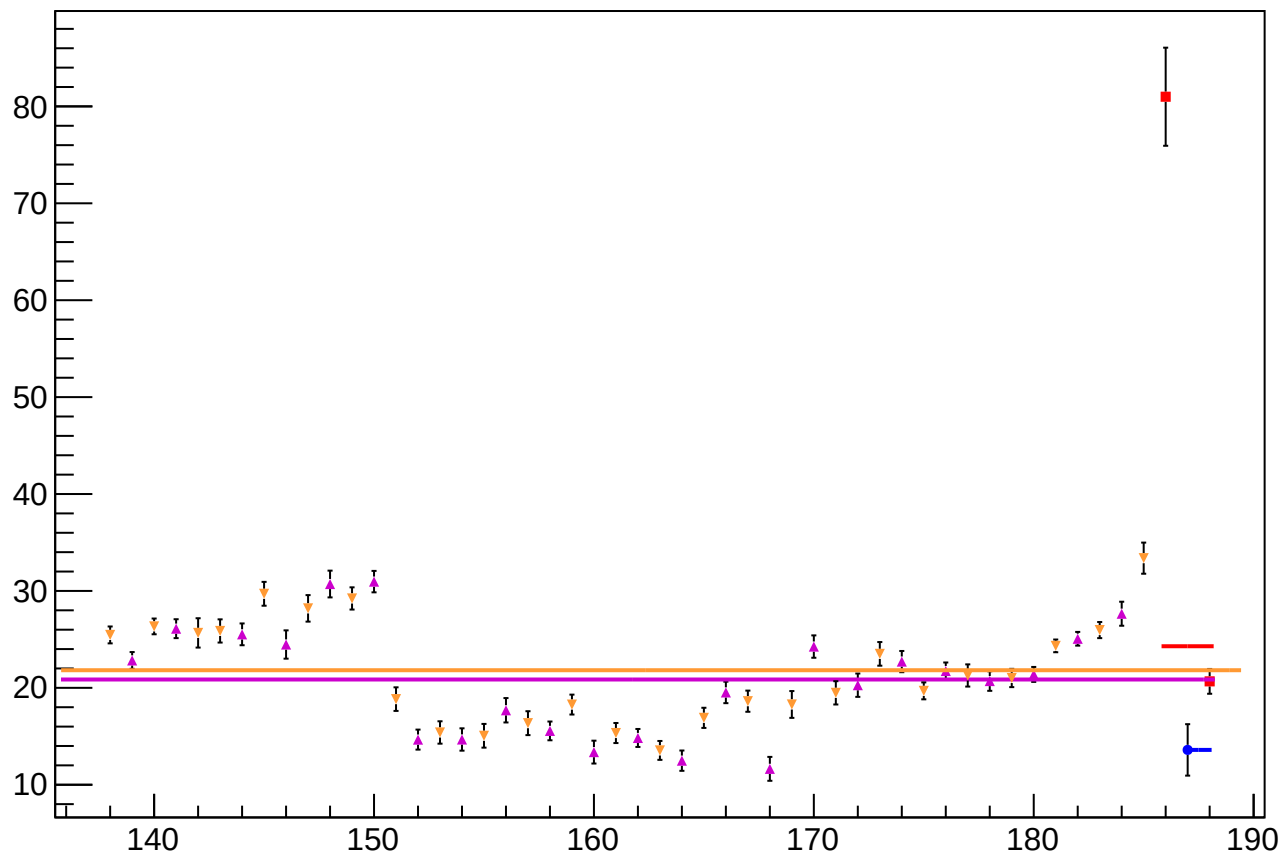
Right: 0.159 ± 0.009 χ^2/NDF : 878.0/38

In: -0.188 ± 0.007 χ^2/NDF : 3576.1/40

Out: -0.232 ± 0.007 χ^2/NDF : 3378.4/45

All: -0.211 ± 0.005 χ^2/NDF : 6974.1/86

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 13.595 $\pm$ 2.654 χ^2 /NDF: 0.0/0

Left Out: 21.818 $\pm$ 0.210 χ^2 /NDF:522.7/24

Right Out: 24.292 $\pm$ 1.241 χ^2 /NDF: 133.5/1

Left In: 20.860 $\pm$ 0.216 χ^2 /NDF:575.5/22

Left: 21.351 $\pm$ 0.151 χ^2 /NDF: 1108.3/47

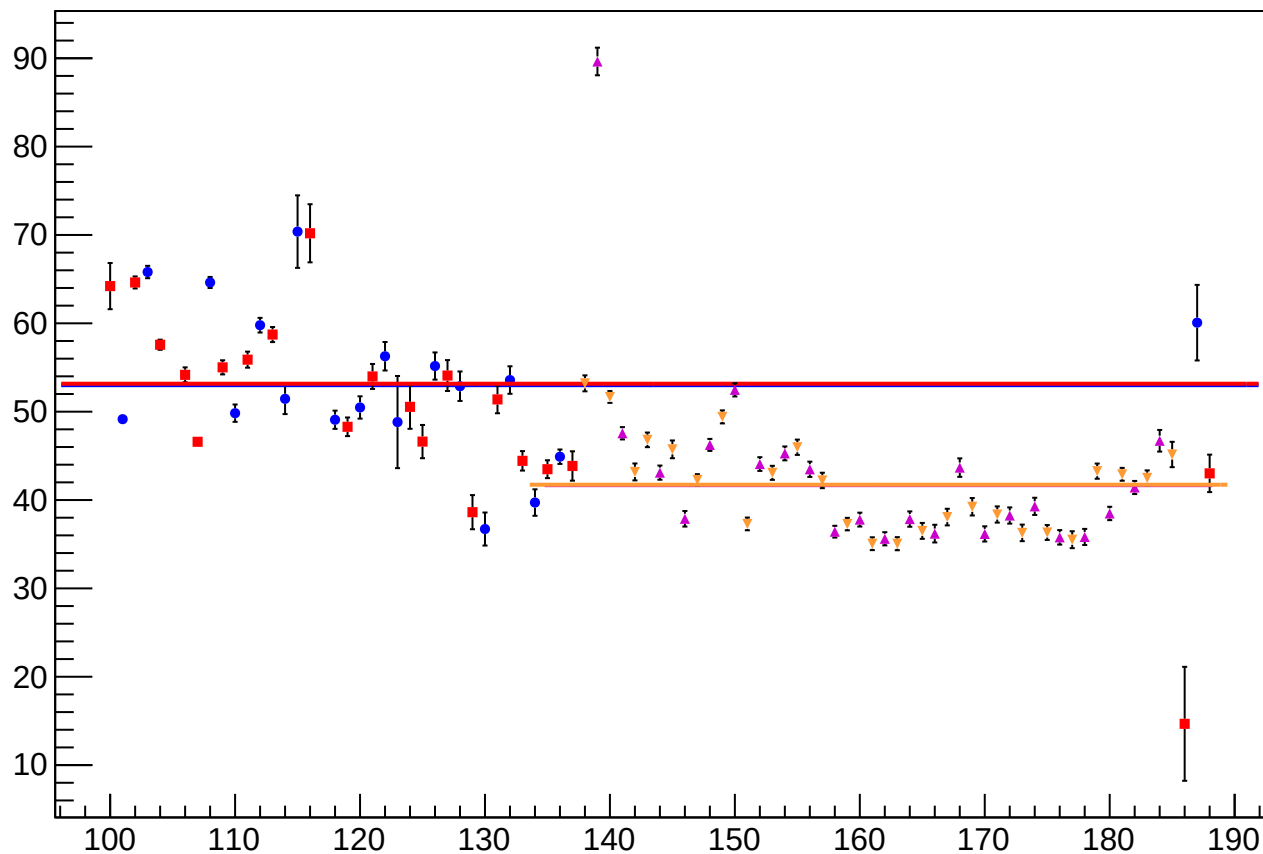
Right: 22.374 $\pm$ 1.124 χ^2 /NDF: 146.8/2

In: 20.813 $\pm$ 0.215 χ^2 /NDF:583.0/23

Out: 21.887 $\pm$ 0.207 χ^2 /NDF:660.1/26

All: 21.369 $\pm$ 0.149 χ^2 /NDF: 1256.0/50

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.998 $\pm$ 0.210 χ^2 /NDF: 1200.5/17

Left Out: 41.732 $\pm$ 0.166 χ^2 /NDF: 1014.0/24

Right Out: 53.164 $\pm$ 0.225 χ^2 /NDF: 931.8/20

Left In: 41.682 $\pm$ 0.173 χ^2 /NDF: 1715.9/22

Left: 41.709 $\pm$ 0.120 χ^2 /NDF: 2729.9/47

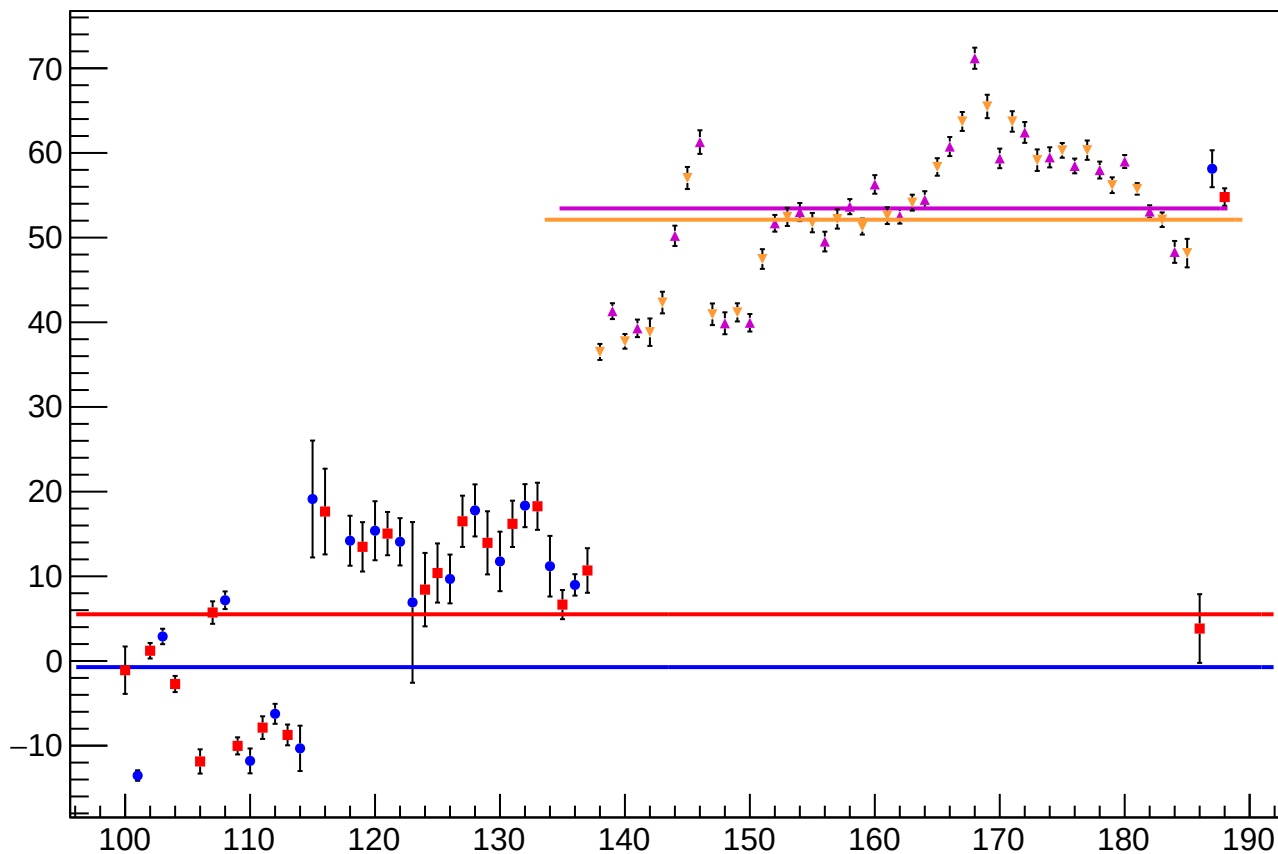
Right: 53.075 $\pm$ 0.154 χ^2 /NDF: 2132.5/38

In: 46.272 $\pm$ 0.134 χ^2 /NDF: 4643.6/40

Out: 45.751 $\pm$ 0.134 χ^2 /NDF: 3615.8/45

All: 46.012 $\pm$ 0.094 χ^2 /NDF: 8267.0/86

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: 5.515 ± 0.353 χ^2/NDF : 3086.9/20

Left In: 53.447 ± 0.214 χ^2/NDF : 1167.6/22

Left: 52.769 ± 0.150 χ^2/NDF : 2632.6/47

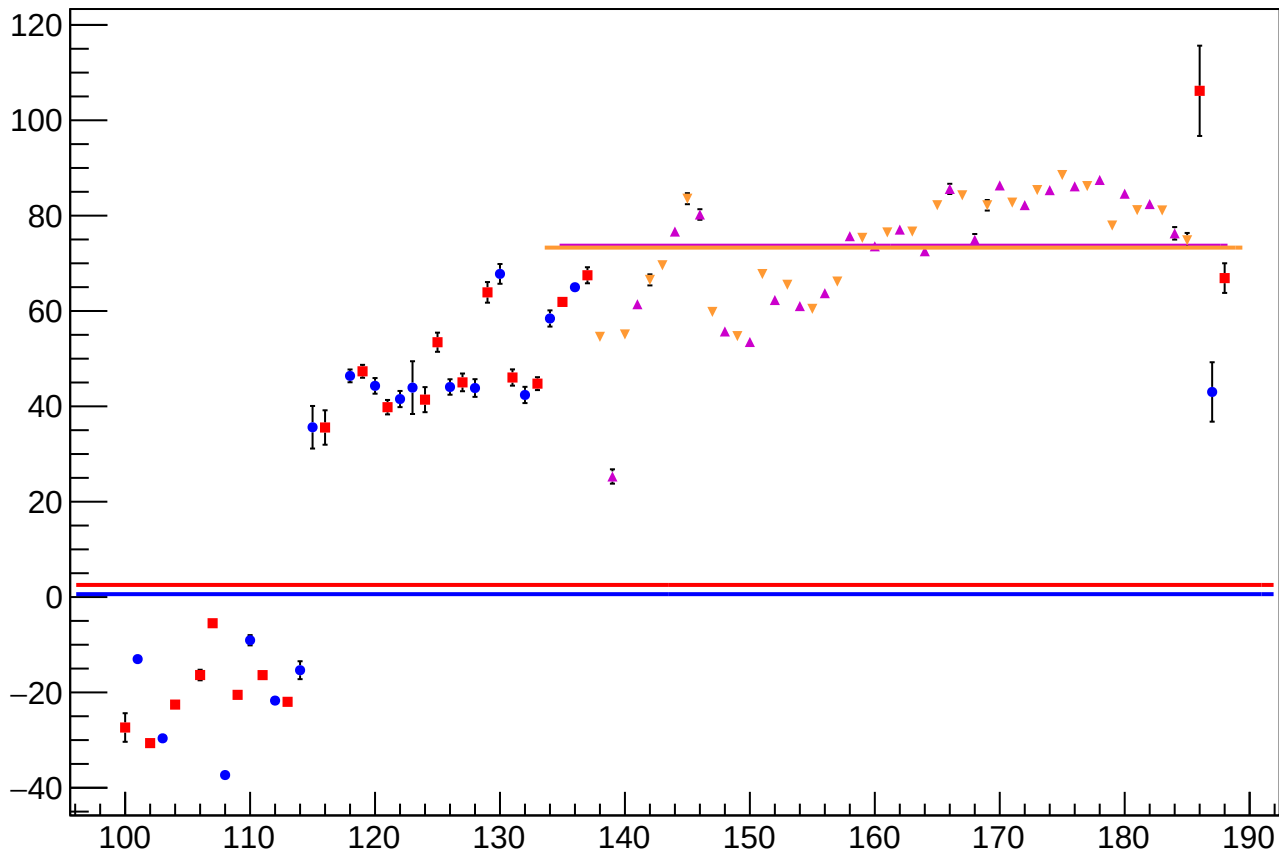
Right: 2.449 ± 0.252 χ^2/NDF : 4829.5/38

In: 39.195 ± 0.184 χ^2/NDF : 19548.4/40

Out: 39.882 ± 0.181 χ^2/NDF : 17405.2/45

All: 39.545 ± 0.129 χ^2/NDF : 36960.7/86

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.608 ± 0.247 $\chi^2/\text{NDF}: 18470.2/17$

Left Out: 73.294 ± 0.187 $\chi^2/\text{NDF}: 3148.2/24$

Right Out: 2.544 ± 0.265 $\chi^2/\text{NDF}: 16029.0/20$

Left In: 73.699 ± 0.194 $\chi^2/\text{NDF}: 3901.1/22$

Left: 73.489 ± 0.135 $\chi^2/\text{NDF}: 7051.6/47$

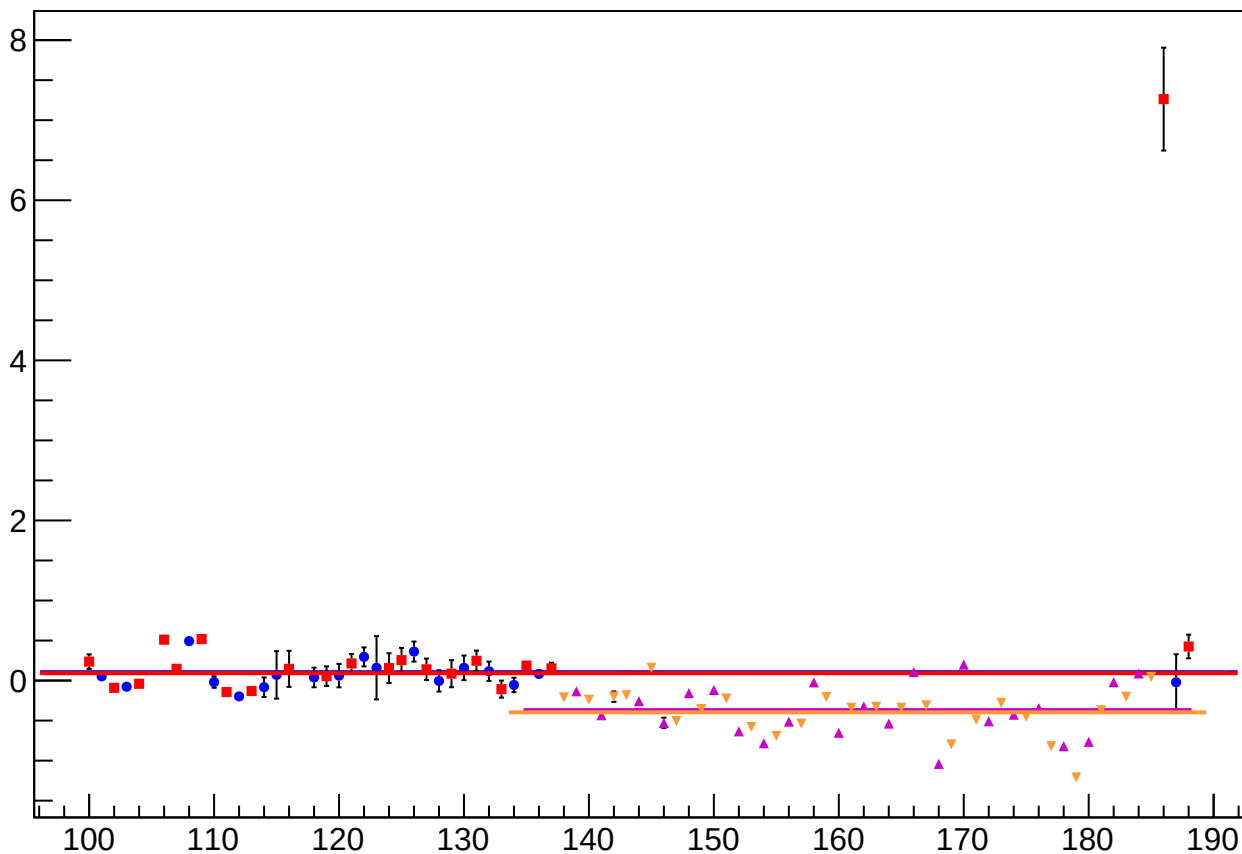
Right: 1.505 ± 0.181 $\chi^2/\text{NDF}: 34527.8/38$

In: 45.769 ± 0.152 $\chi^2/\text{NDF}: 76691.1/40$

Out: 49.770 ± 0.153 $\chi^2/\text{NDF}: 66597.1/45$

All: 47.761 ± 0.108 $\chi^2/\text{NDF}: 143631.2/86$

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.9/17$

Left Out: -0.397 ± 0.009 $\chi^2/\text{NDF}: 943.5/24$

Right Out: 0.092 ± 0.011 $\chi^2/\text{NDF}: 520.8/20$

Left In: -0.369 ± 0.009 $\chi^2/\text{NDF}: 1322.7/22$

Left: -0.383 ± 0.006 $\chi^2/\text{NDF}: 2271.6/47$

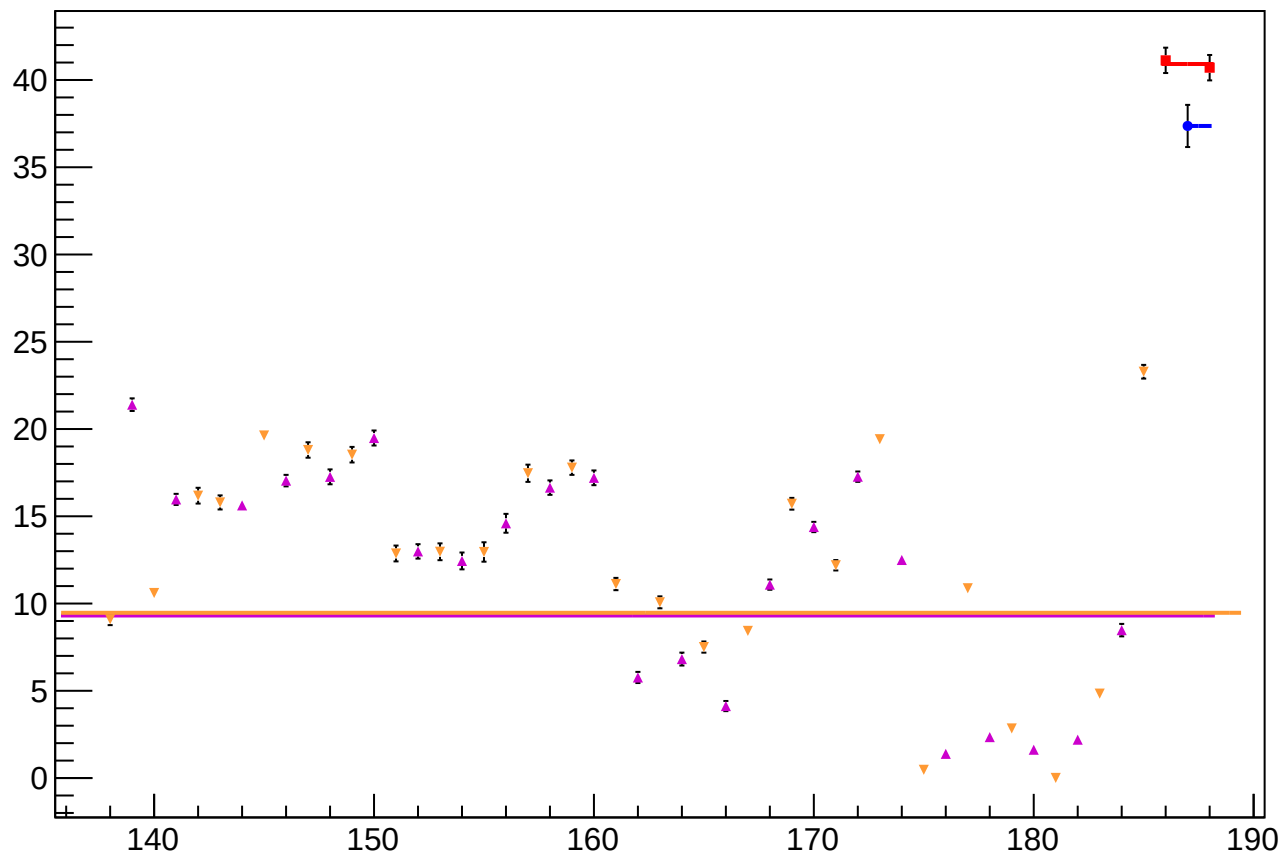
Right: 0.098 ± 0.008 $\chi^2/\text{NDF}: 922.3/38$

In: -0.188 ± 0.007 $\chi^2/\text{NDF}: 2864.7/40$

Out: -0.212 ± 0.007 $\chi^2/\text{NDF}: 2698.0/45$

All: -0.200 ± 0.005 $\chi^2/\text{NDF}: 5568.8/86$

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: 40.916+/-0.514 χ^2/NDF : 0.2/1

Left In: 9.315+/-0.063 χ^2/NDF :11007.3/22

Left: 9.394+/-0.044 χ^2/NDF : 23588.5/47

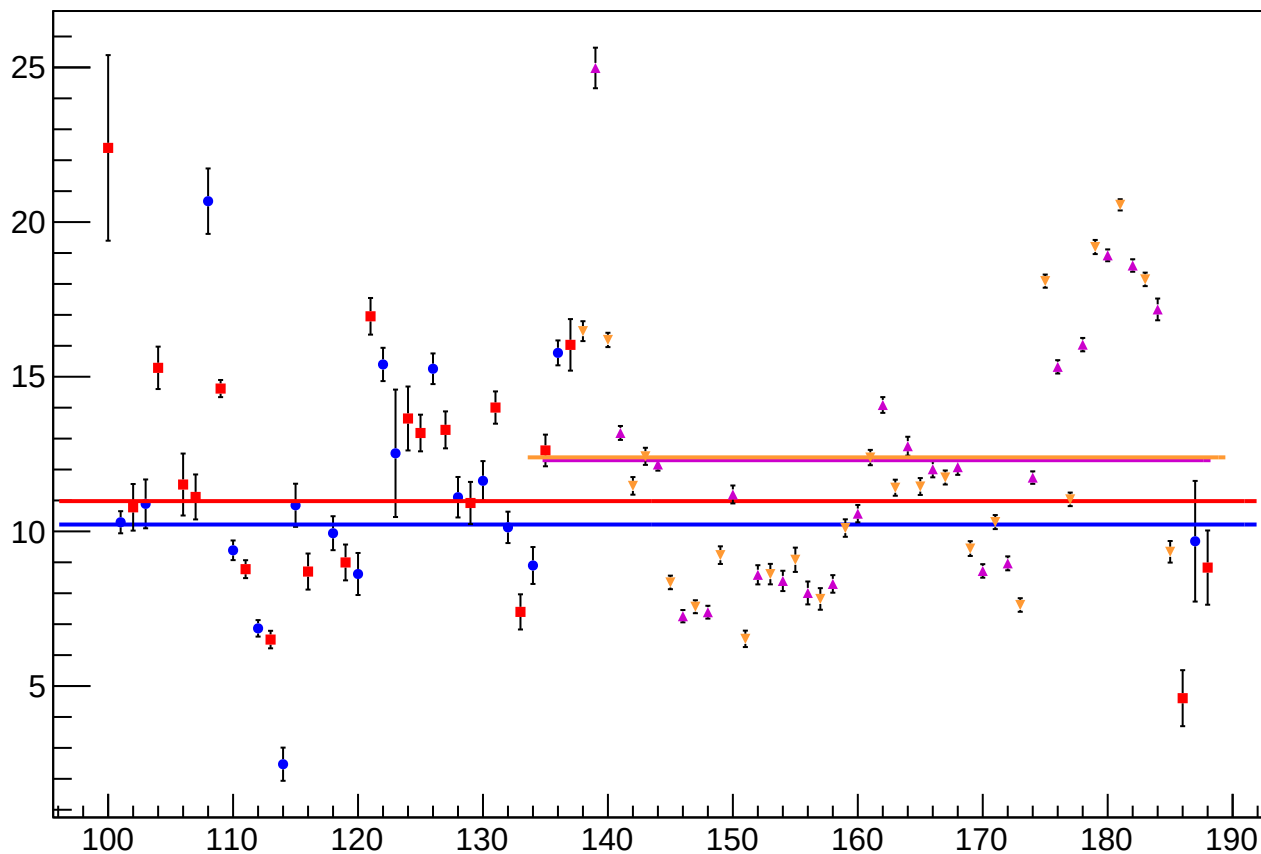
Right: 40.371+/-0.473 χ^2/NDF : 7.5/2

In: 9.390+/-0.063 χ^2/NDF :11545.1/23

Out: 9.911+/-0.061 χ^2/NDF :16264.6/26

All: 9.658+/-0.044 χ^2/NDF : 27845.1/50

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: 10.979 $\pm$ 0.115 χ^2 /NDF: 871.1/20

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

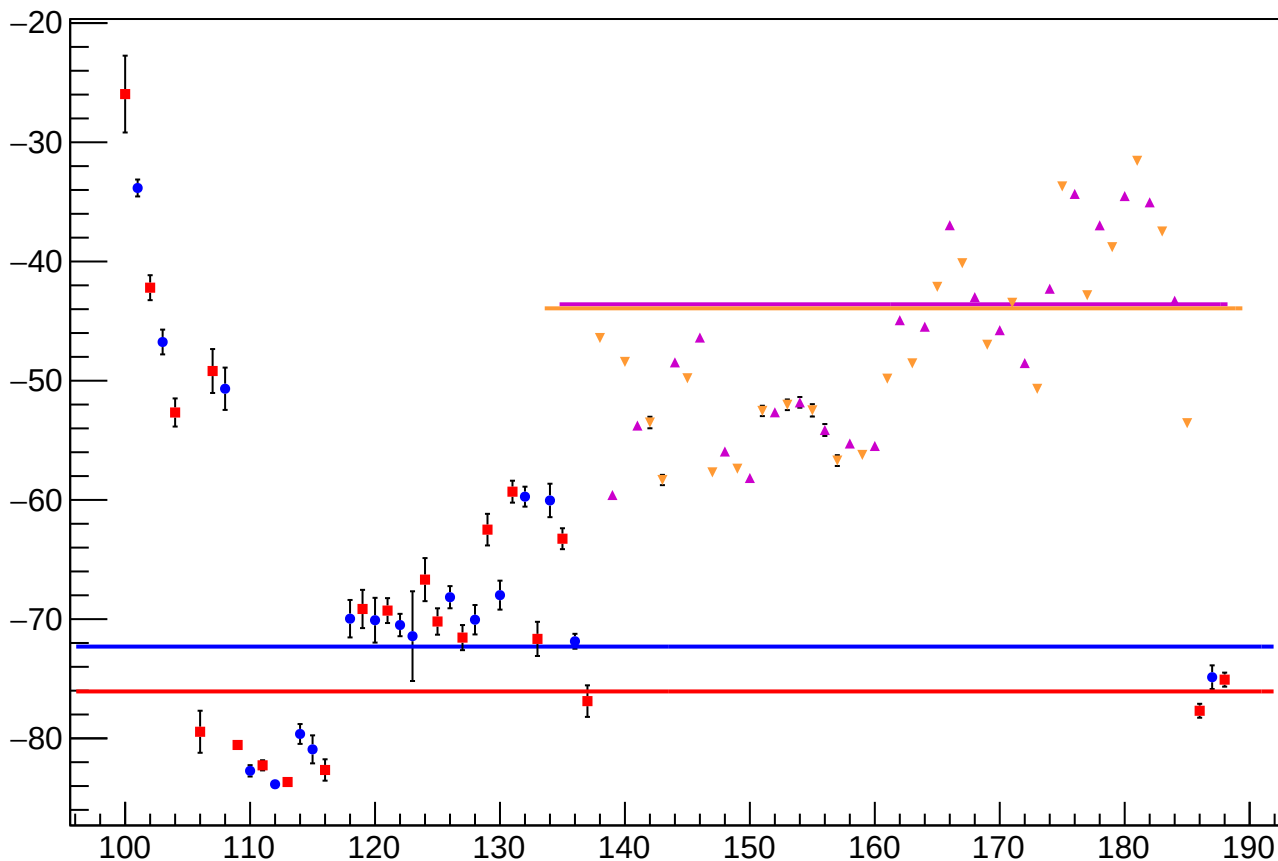
Right: 10.613 $\pm$ 0.083 χ^2 /NDF: 1769.7/38

In: 11.977 $\pm$ 0.047 χ^2 /NDF: 6798.1/40

Out: 12.169 $\pm$ 0.046 χ^2 /NDF: 8524.5/45

All: 12.076 $\pm$ 0.033 χ^2 /NDF: 15331.2/86

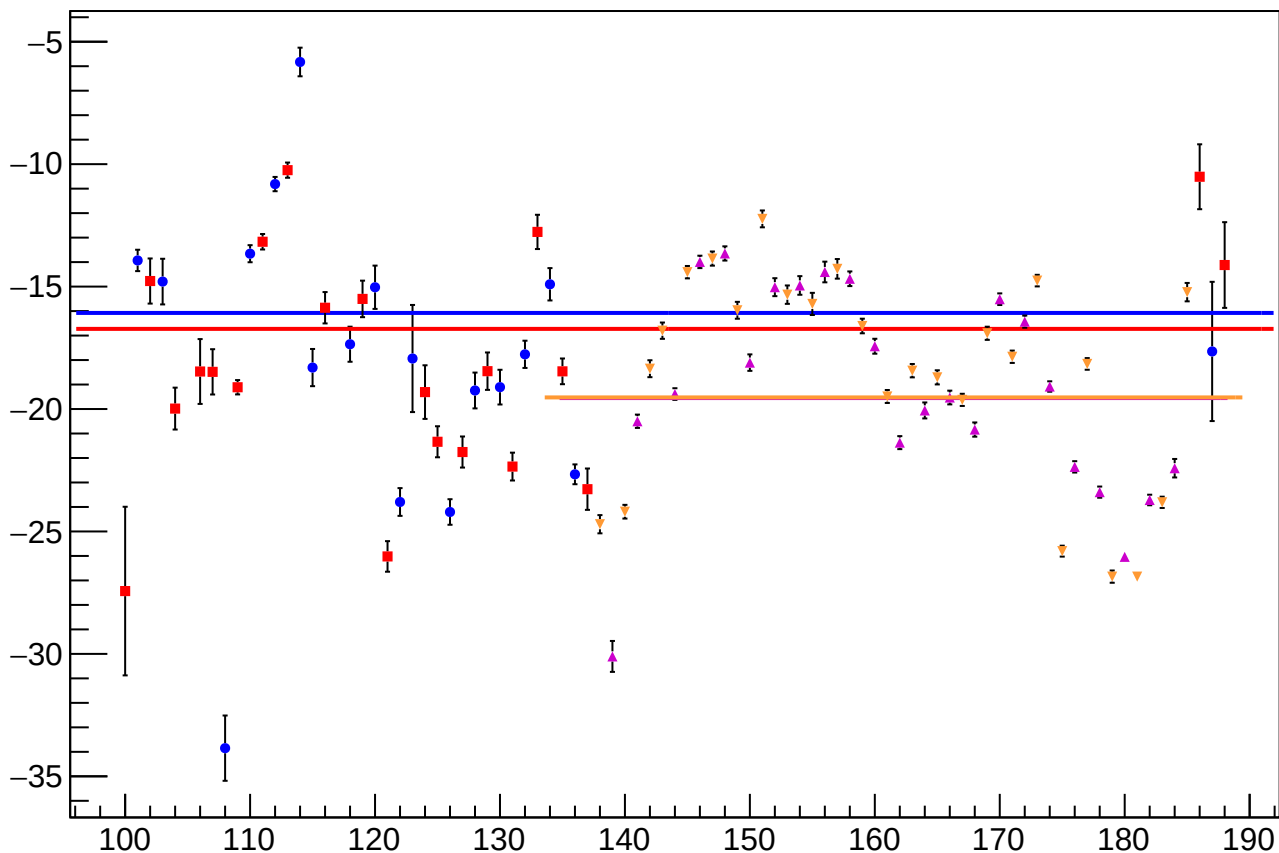
reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -76.065 ± 0.166 $\chi^2/\text{NDF}: 3476.1/20$
 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: -74.475 ± 0.126 $\chi^2/\text{NDF}: 9267.4/38$
 In: -46.339 ± 0.060 $\chi^2/\text{NDF}: 40979.1/40$
 Out: -47.874 ± 0.058 $\chi^2/\text{NDF}: 53999.4/45$
 All: -47.131 ± 0.042 $\chi^2/\text{NDF}: 95316.6/86$

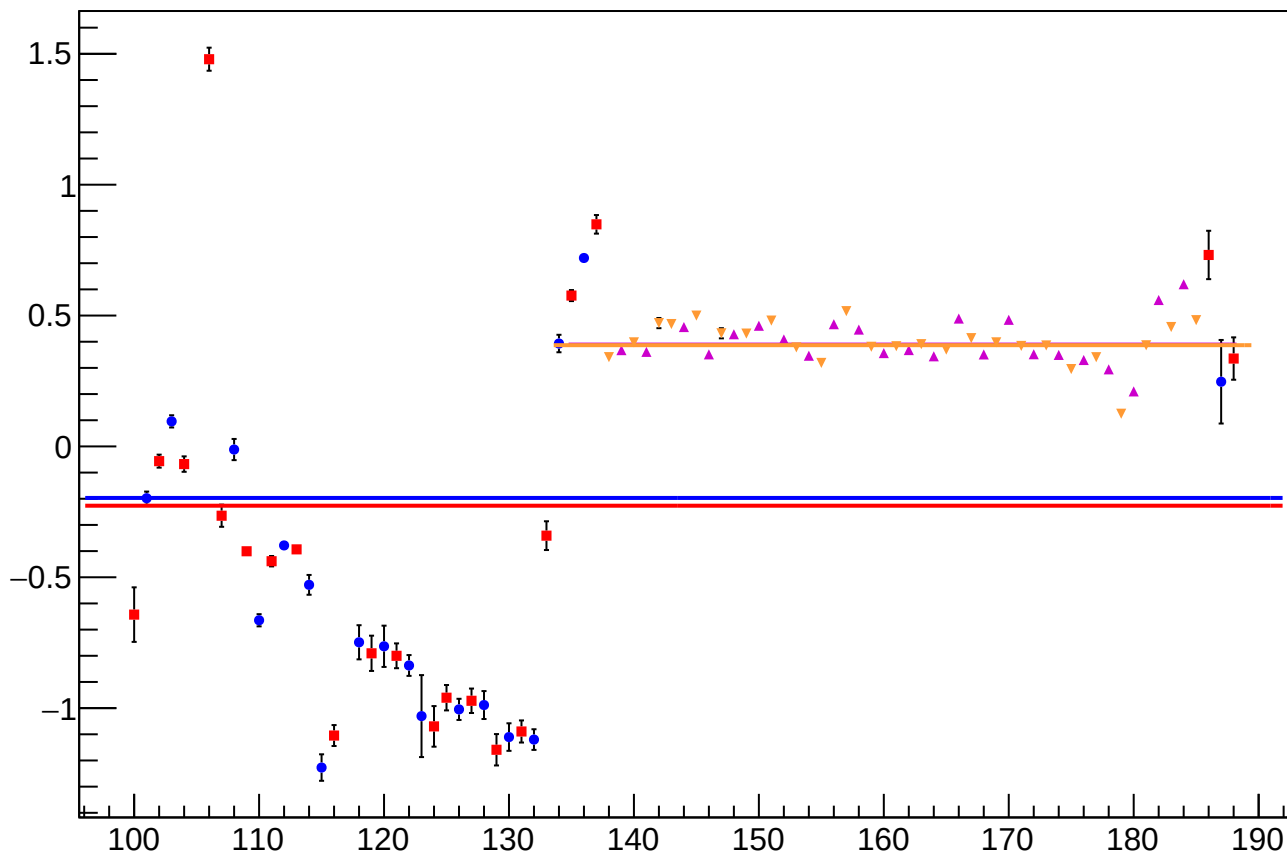
reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -16.727 ± 0.127 $\chi^2/\text{NDF}: 1240.3/20$
 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: -16.413 ± 0.092 $\chi^2/\text{NDF}: 2894.1/38$
 In: -19.004 ± 0.052 $\chi^2/\text{NDF}: 6584.7/40$
 Out: -19.073 ± 0.051 $\chi^2/\text{NDF}: 8139.1/45$
 All: -19.039 ± 0.037 $\chi^2/\text{NDF}: 14724.7/86$

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: -0.227 $\pm$ 0.007 χ^2 /NDF: 6379.6/20

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

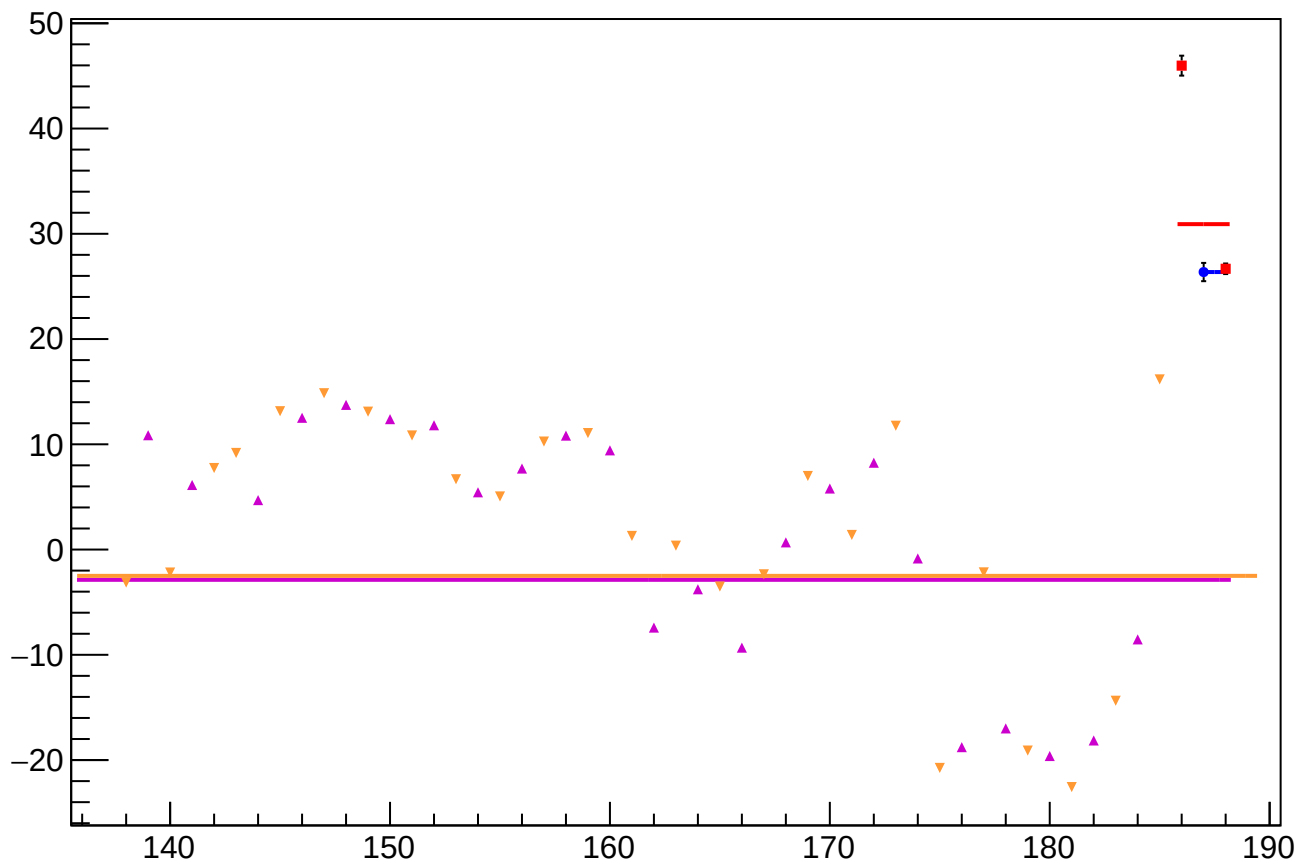
Right: -0.213 $\pm$ 0.005 χ^2 /NDF: 12734.4/38

In: 0.326 $\pm$ 0.002 χ^2 /NDF:13013.6/40

Out: 0.316 $\pm$ 0.002 χ^2 /NDF:13935.6/45

All: 0.321 $\pm$ 0.002 χ^2 /NDF: 26957.3/86

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: 30.917 $\pm$ 0.444 χ^2 /NDF: 323.8/1

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

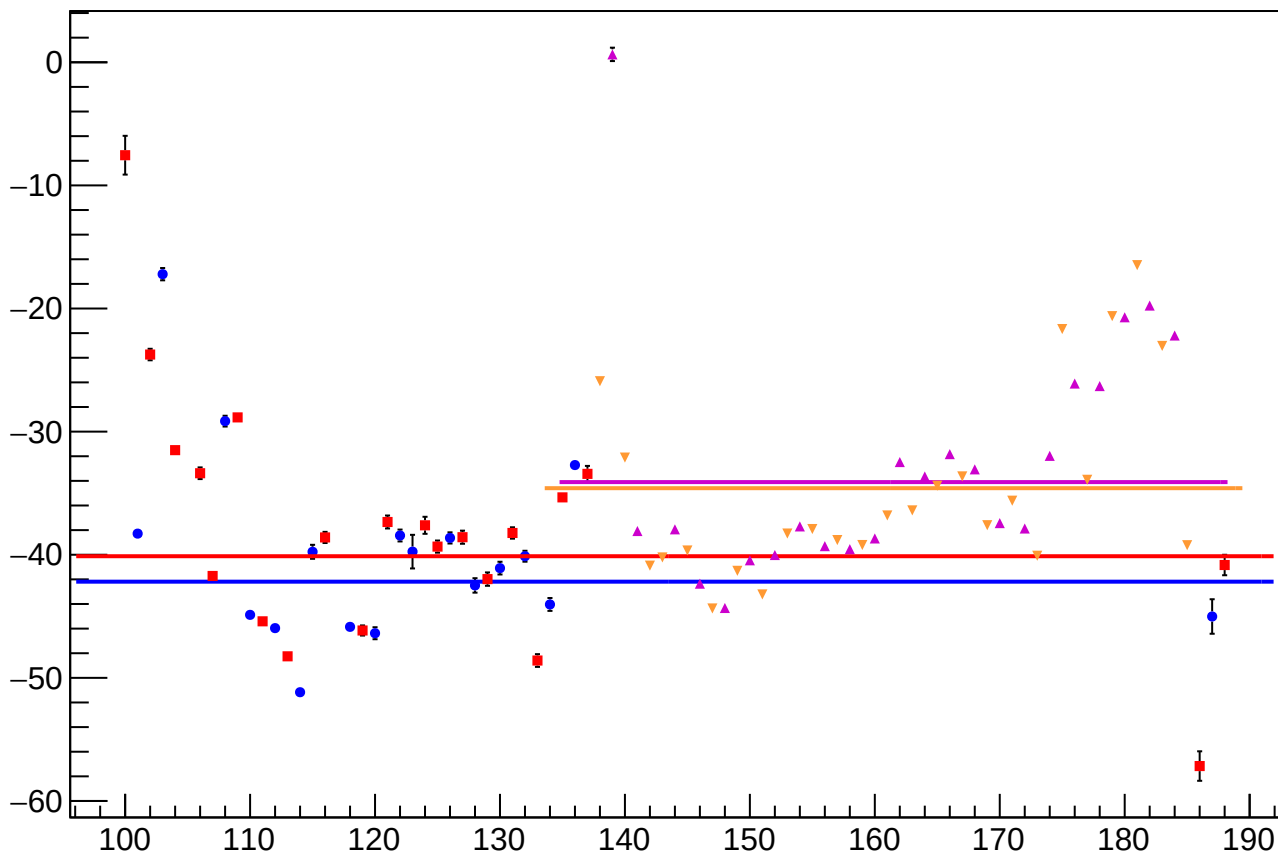
Right: 29.972 $\pm$ 0.395 χ^2 /NDF: 345.6/2

In: -2.761 $\pm$ 0.055 χ^2 /NDF:47511.5/23

Out: -2.031 $\pm$ 0.053 χ^2 /NDF:61836.4/26

All: -2.382 $\pm$ 0.038 χ^2 /NDF: 109440.8/50

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: -40.121 ± 0.072 $\chi^2/\text{NDF}: 11517.6/20$

Left In: -34.099 ± 0.044 $\chi^2/\text{NDF}: 29370.6/22$

Left: -34.358 ± 0.030 $\chi^2/\text{NDF}: 63841.7/47$

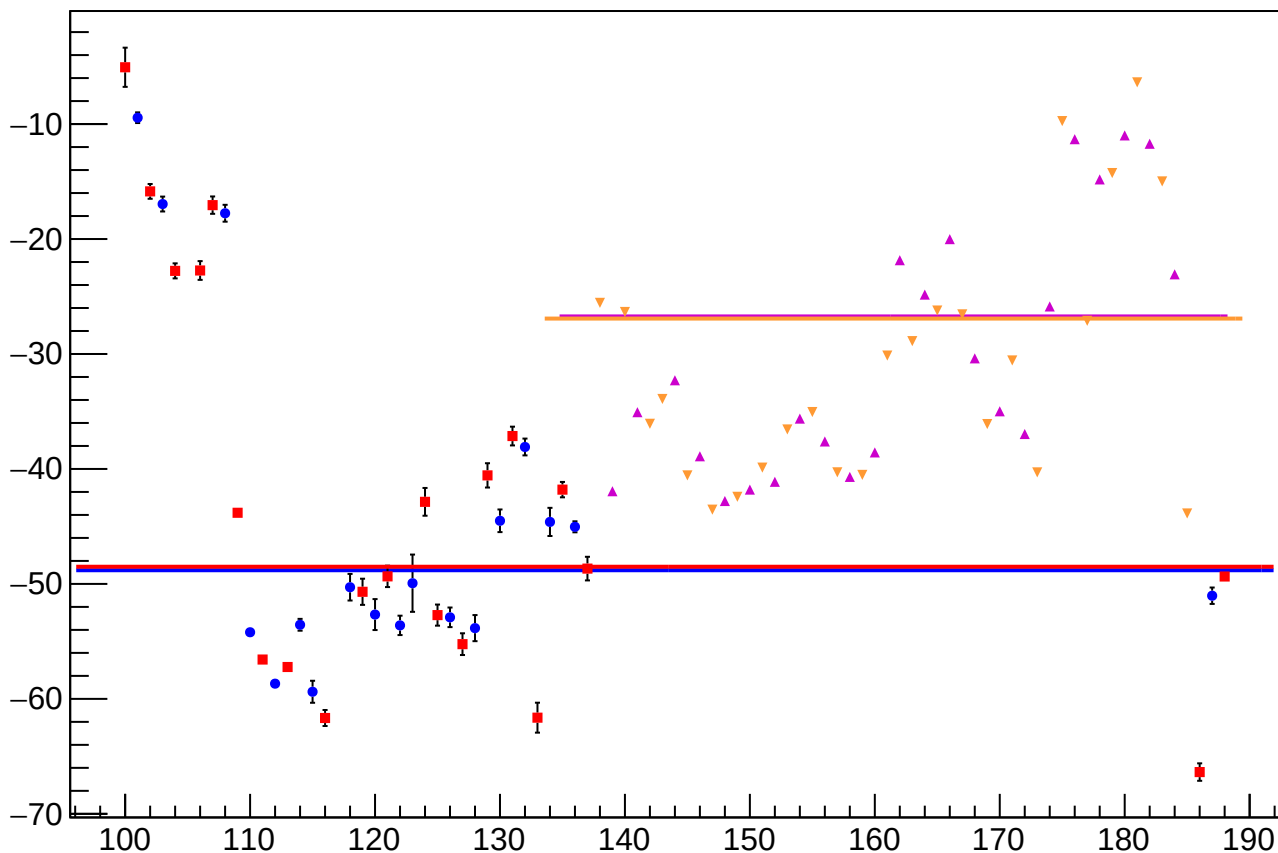
Right: -41.081 ± 0.053 $\chi^2/\text{NDF}: 18474.6/38$

In: -36.055 ± 0.038 $\chi^2/\text{NDF}: 44175.7/40$

Out: -35.984 ± 0.036 $\chi^2/\text{NDF}: 50286.1/45$

All: -36.018 ± 0.026 $\chi^2/\text{NDF}: 94463.7/86$

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: -48.506 ± 0.103 $\chi^2/\text{NDF}: 12304.2/20$

Left In: -26.733 ± 0.055 $\chi^2/\text{NDF}: 42643.0/22$

Left: -26.829 ± 0.038 $\chi^2/\text{NDF}: 91847.9/47$

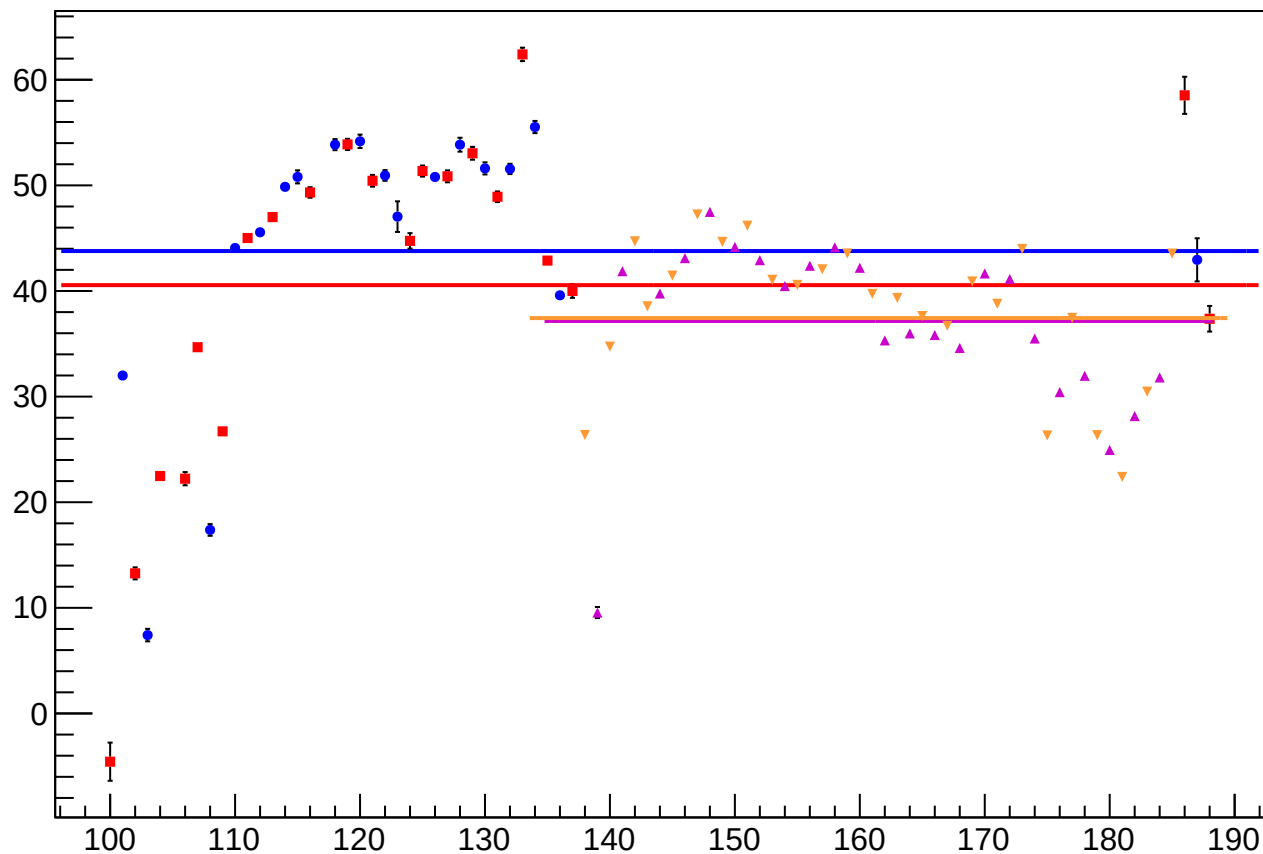
Right: -48.632 ± 0.079 $\chi^2/\text{NDF}: 26976.3/38$

In: -30.402 ± 0.050 $\chi^2/\text{NDF}: 84360.1/40$

Out: -31.504 ± 0.047 $\chi^2/\text{NDF}: 96291.3/45$

All: -30.983 ± 0.034 $\chi^2/\text{NDF}: 180907.6/86$

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: 40.554 $\pm$ 0.080 χ^2/NDF : 17692.1/20

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

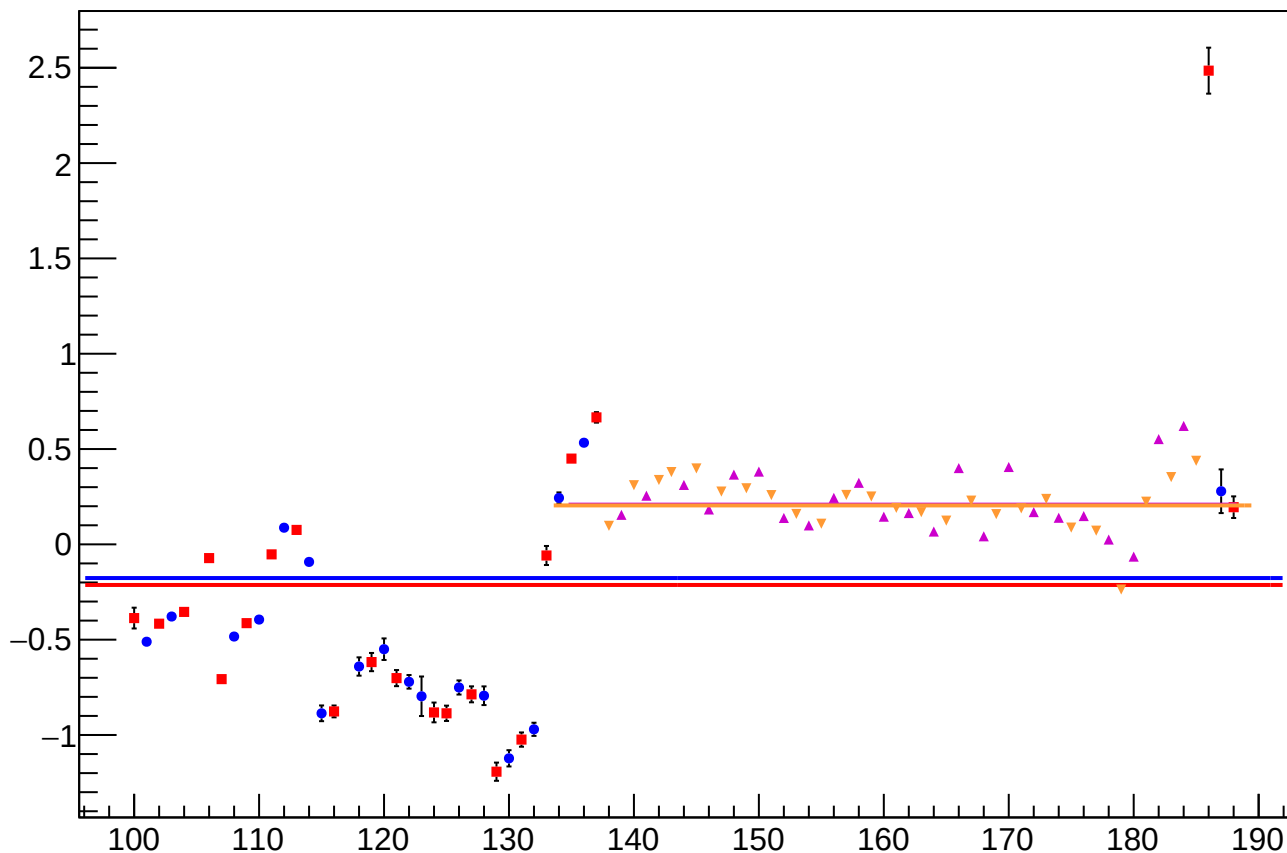
Right: 42.039 $\pm$ 0.059 χ^2/NDF : 29081.2/38

In: 38.776 $\pm$ 0.043 χ^2/NDF :32486.8/40

Out: 38.245 $\pm$ 0.041 χ^2/NDF :40337.0/45

All: 38.498 $\pm$ 0.029 χ^2/NDF : 72904.8/86

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 : 8024.1/20

Left In: 0.208 ± 0.002 χ^2/NDF : 5095.2/22

Left: 0.206 ± 0.002 χ^2/NDF : 8898.7/47

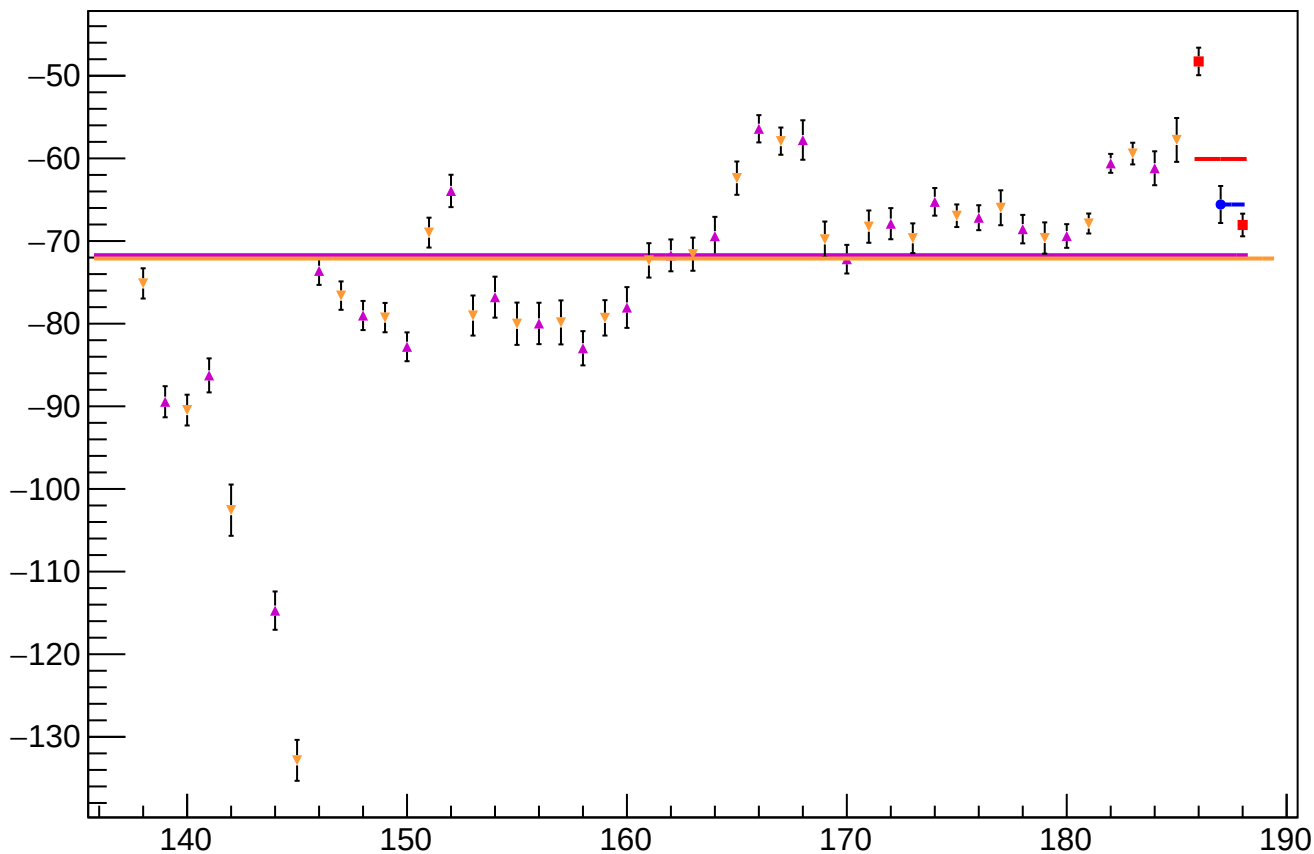
Right: -0.197 ± 0.003 χ^2/NDF : 15447.4/38

In: 0.140 ± 0.002 χ^2/NDF : 17717.2/40

Out: 0.118 ± 0.002 χ^2/NDF : 19358.1/45

All: 0.129 ± 0.001 χ^2/NDF : 37135.8/86

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -65.579 ± 2.239 χ^2/NDF : 0.0/0

Left Out: -72.115 ± 0.383 χ^2/NDF : 1125.2/23

Right Out: -60.068 ± 1.059 χ^2/NDF : 84.1/1

Left In: -71.713 ± 0.380 χ^2/NDF : 884.6/22

Left: -71.913 ± 0.270 χ^2/NDF : 2010.3/46

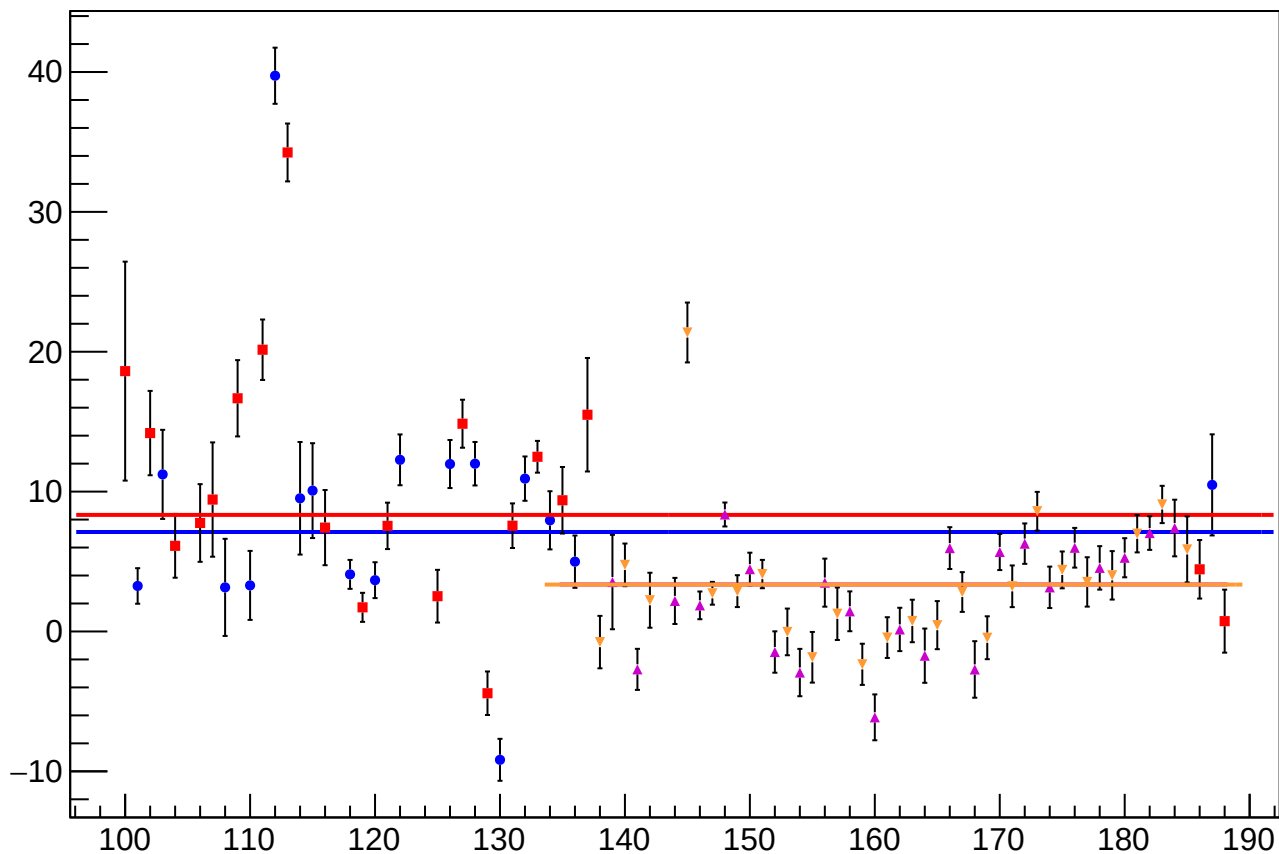
Right: -61.075 ± 0.957 χ^2/NDF : 89.1/2

In: -71.541 ± 0.375 χ^2/NDF : 891.9/23

Out: -70.722 ± 0.360 χ^2/NDF : 1323.8/25

All: -71.115 ± 0.260 χ^2/NDF : 2218.2/49

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: 8.335 ± 0.431 $\chi^2/\text{NDF}: 366.4/19$

Left In: 3.360 ± 0.298 $\chi^2/\text{NDF}: 164.5/22$

Left: 3.356 ± 0.209 $\chi^2/\text{NDF}: 332.3/46$

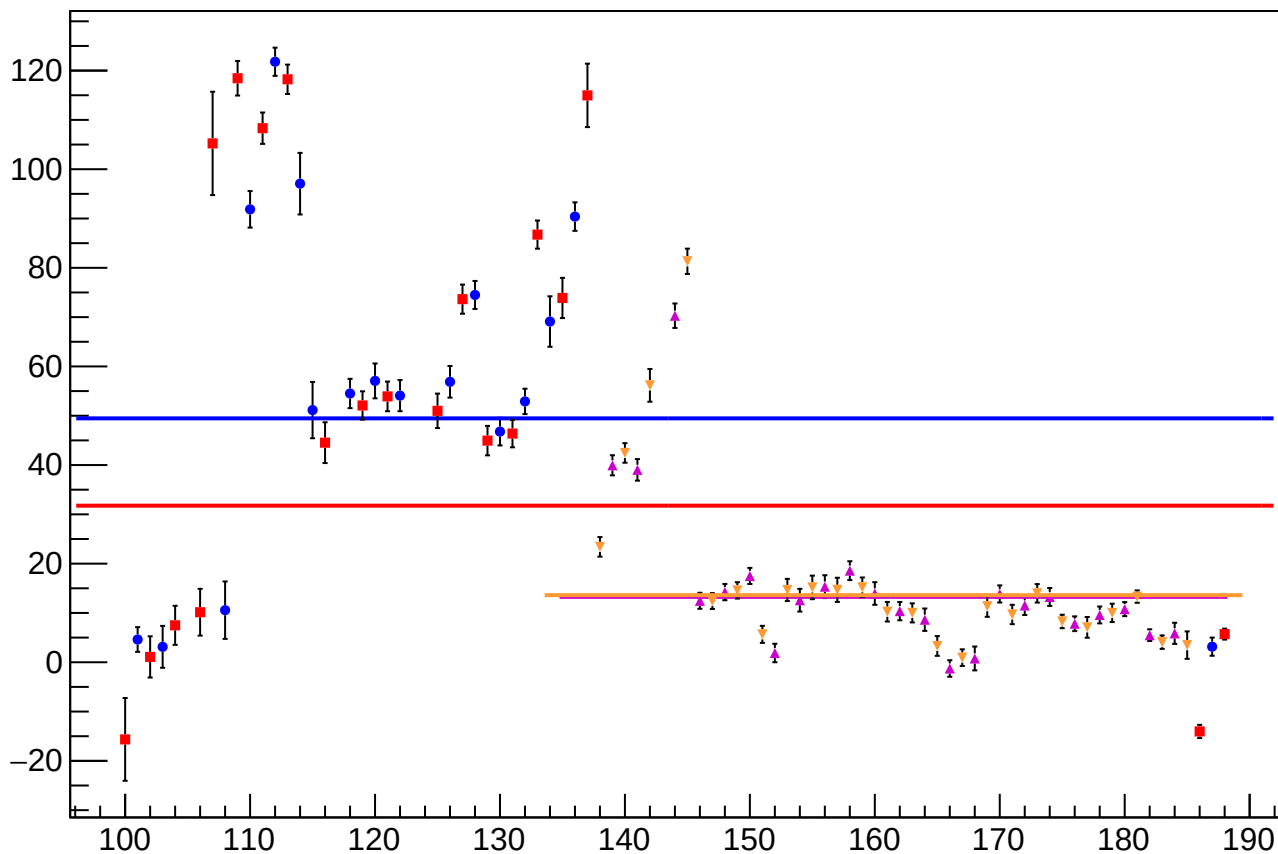
Right: 7.722 ± 0.305 $\chi^2/\text{NDF}: 818.1/36$

In: 4.573 ± 0.245 $\chi^2/\text{NDF}: 663.7/39$

Out: 4.940 ± 0.243 $\chi^2/\text{NDF}: 625.3/43$

All: 4.758 ± 0.173 $\chi^2/\text{NDF}: 1290.1/83$

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: 31.759 $\pm$ 0.599 χ^2 /NDF: 4989.3/19

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

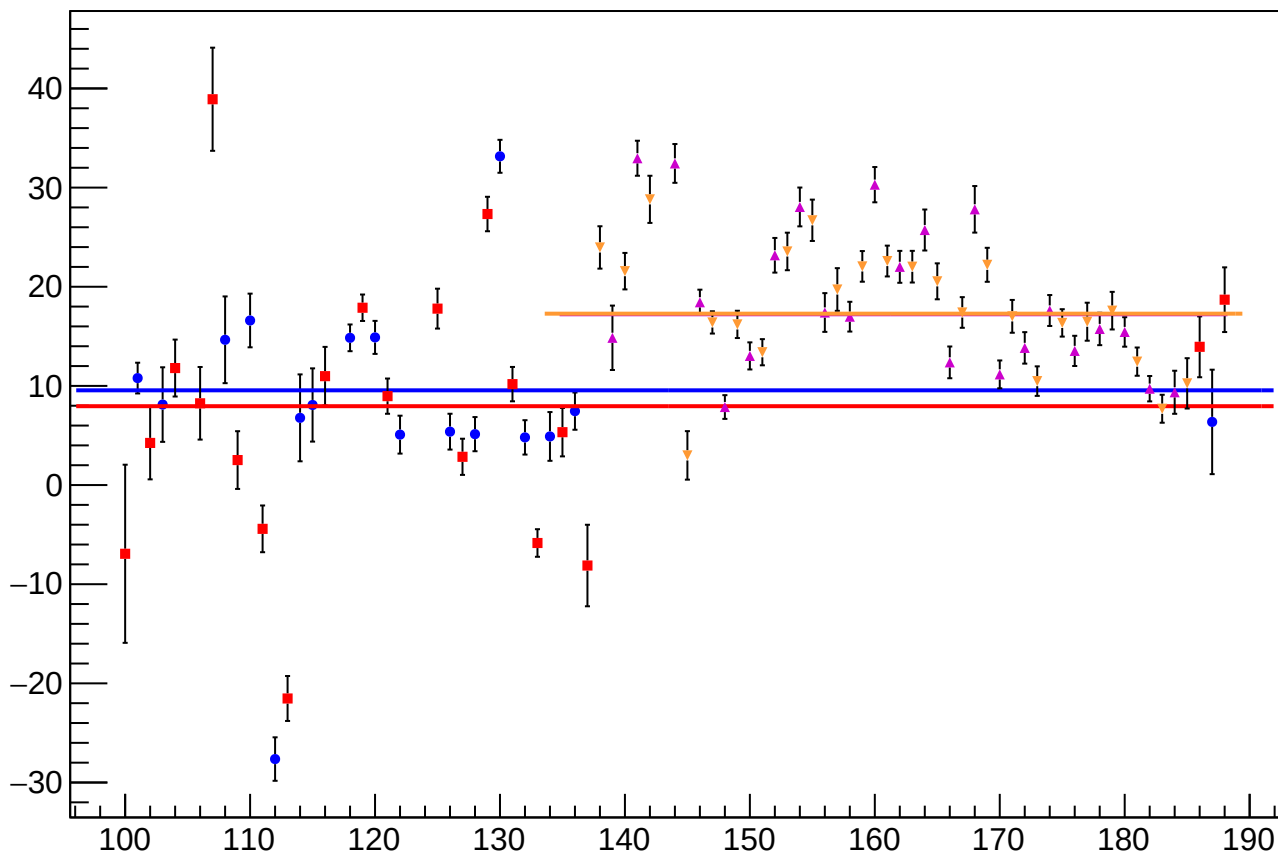
Right: 38.566 $\pm$ 0.470 χ^2 /NDF: 7584.1/36

In: 20.493 $\pm$ 0.339 χ^2 /NDF:5162.7/39

Out: 18.855 $\pm$ 0.322 χ^2 /NDF:6946.0/43

All: 19.632 $\pm$ 0.233 χ^2 /NDF: 12121.0/83

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.554 $\pm$ 0.499 χ^2/NDF : 554.8/16

Left Out: 17.285 $\pm$ 0.337 χ^2/NDF : 244.0/23

Right Out: 7.953 $\pm$ 0.502 χ^2/NDF : 585.2/19

Left In: 17.224 $\pm$ 0.339 χ^2/NDF : 442.2/22

Left: 17.255 $\pm$ 0.239 χ^2/NDF : 686.2/46

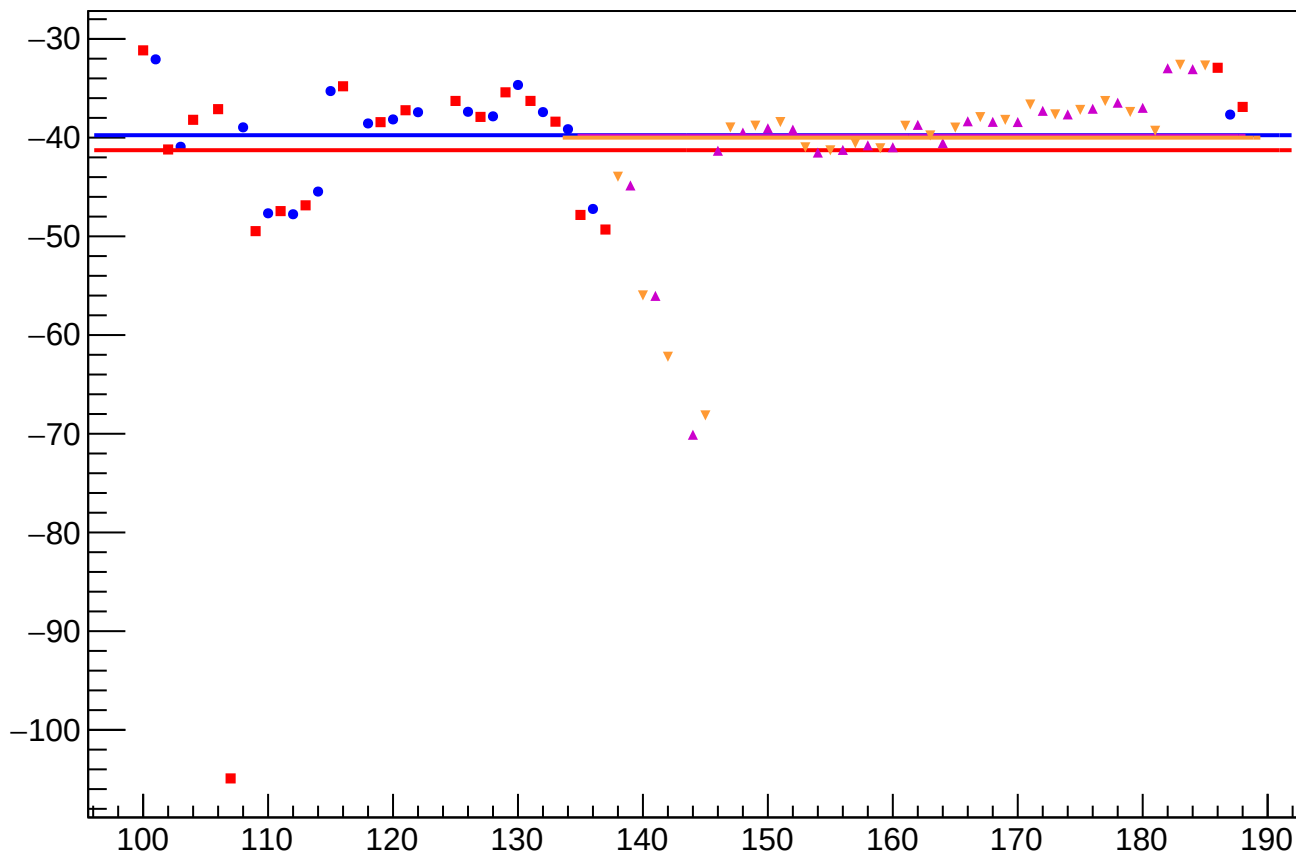
Right: 8.759 $\pm$ 0.354 χ^2/NDF : 1145.1/36

In: 14.806 $\pm$ 0.280 χ^2/NDF : 1158.9/39

Out: 14.390 $\pm$ 0.280 χ^2/NDF : 1067.0/43

All: 14.598 $\pm$ 0.198 χ^2/NDF : 2227.0/83

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: -41.273 ± 0.030 χ^2/NDF : 97047.5/19

Left In: -39.813 ± 0.016 χ^2/NDF : 145790.5/22

Left: -39.906 ± 0.011 χ^2/NDF : 318013.1/46

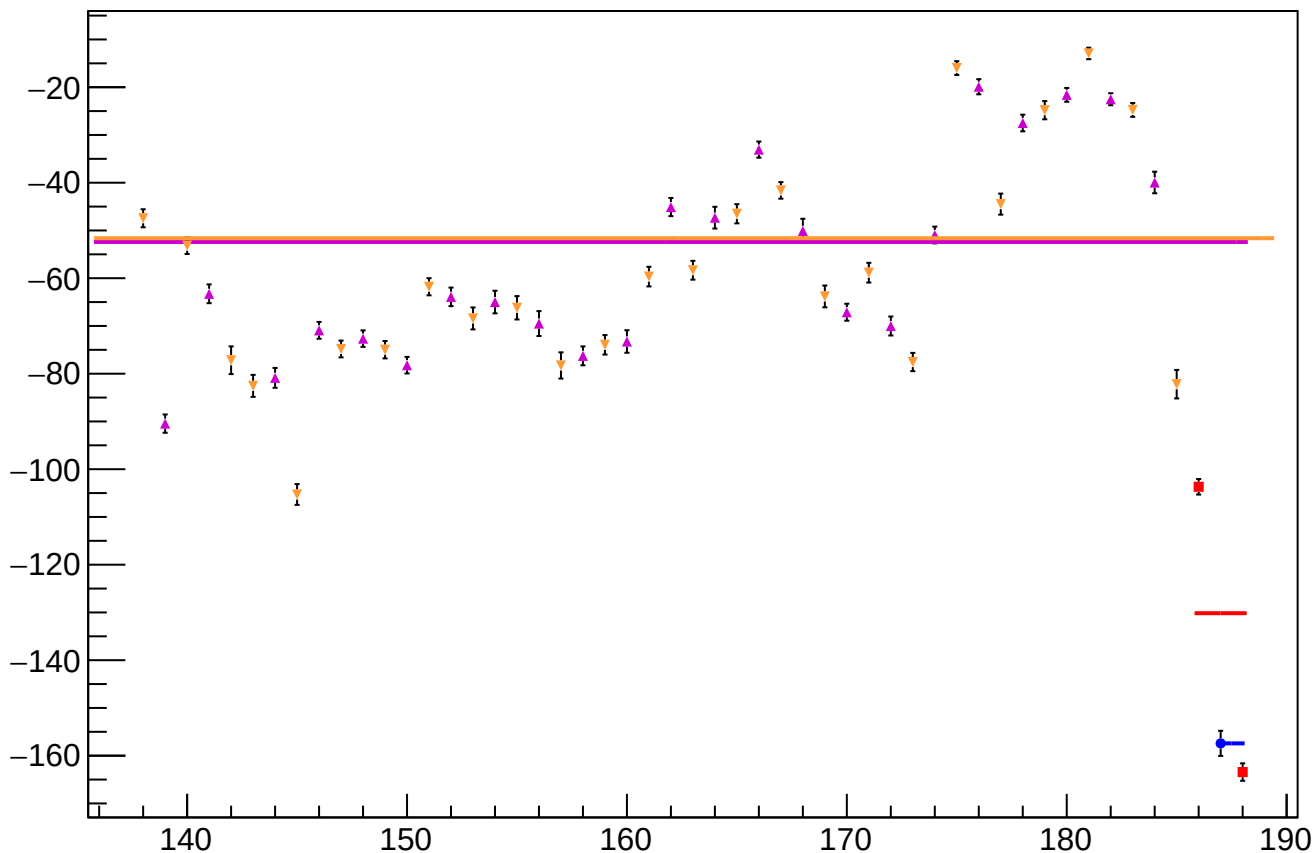
Right: -40.531 ± 0.022 χ^2/NDF : 124492.0/36

In: -39.801 ± 0.014 χ^2/NDF : 172002.0/39

Out: -40.273 ± 0.014 χ^2/NDF : 270590.3/43

All: -40.036 ± 0.010 χ^2/NDF : 443166.4/83

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: -130.158+/-1.218 χ^2 /NDF: 594.2/1

Left In: -52.409+/-0.387 χ^2 /NDF:3378.7/22

Left: -52.012+/-0.272 χ^2 /NDF: 7513.8/47

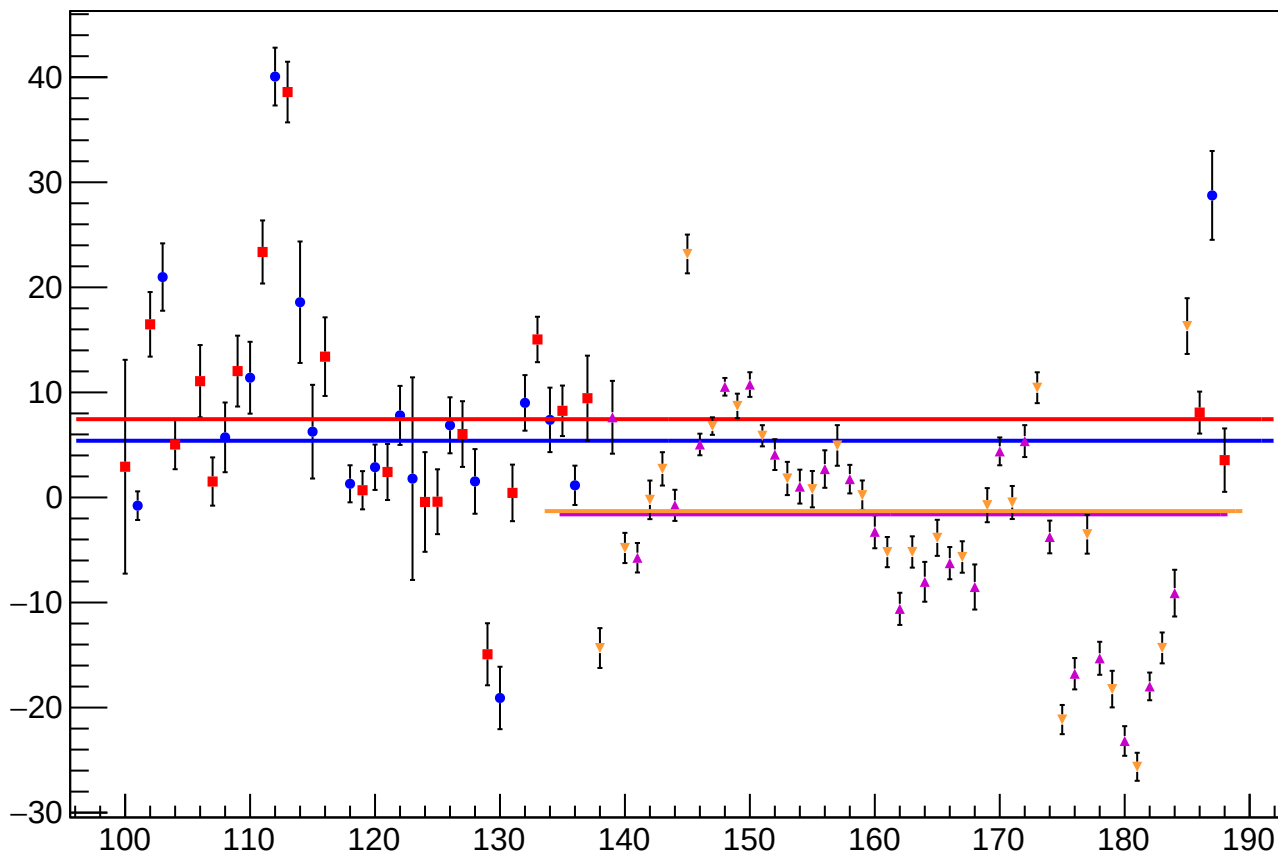
Right: -134.964+/-1.105 χ^2 /NDF: 682.6/2

In: -54.634+/-0.383 χ^2 /NDF:4937.2/23

Out: -58.709+/-0.366 χ^2 /NDF:8512.4/26

All: -56.766+/-0.265 χ^2 /NDF: 13508.8/50

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: 7.450 ± 0.607 $\chi^2/\text{NDF}: 272.0/20$

Left In: -1.608 ± 0.299 $\chi^2/\text{NDF}: 1097.4/22$

Left: -1.450 ± 0.209 $\chi^2/\text{NDF}: 2413.6/47$

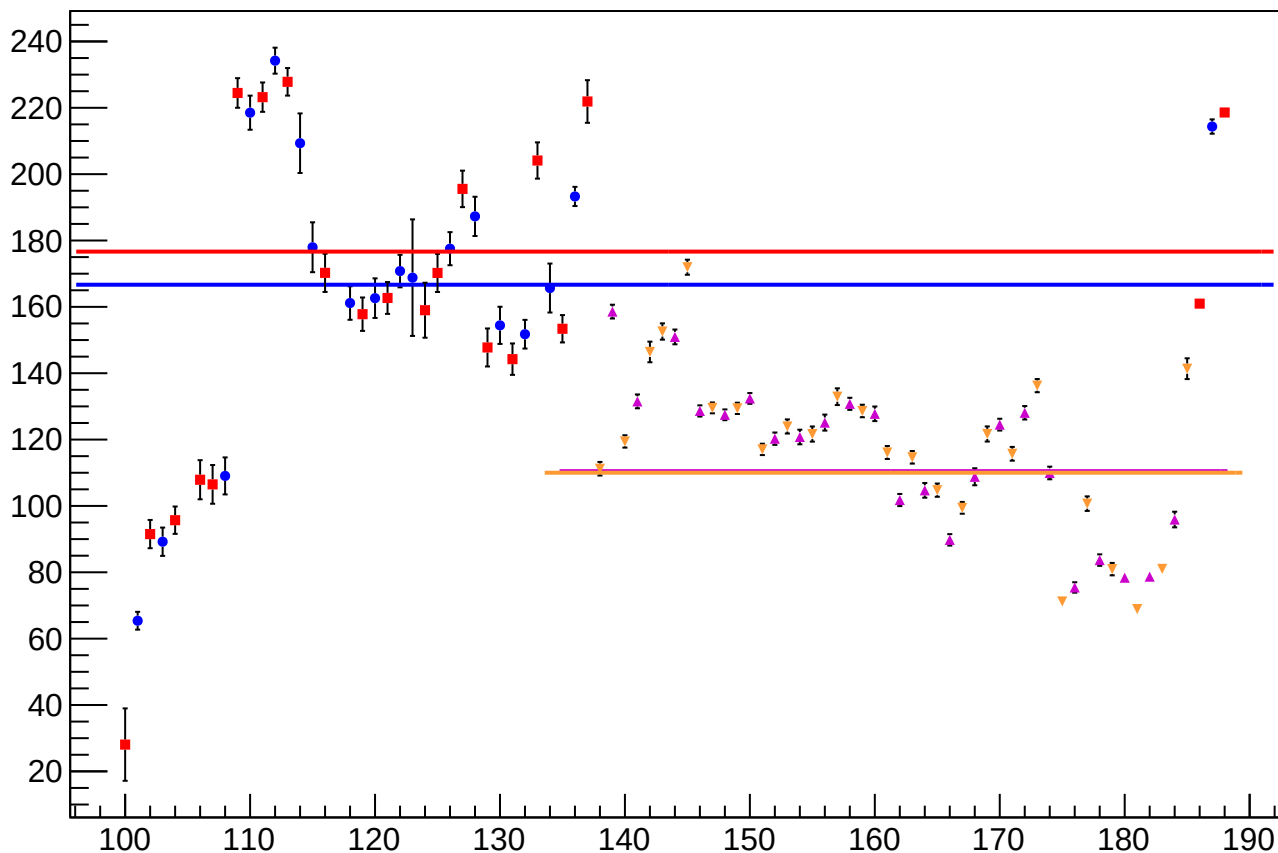
Right: 6.437 ± 0.432 $\chi^2/\text{NDF}: 604.2/38$

In: -0.263 ± 0.269 $\chi^2/\text{NDF}: 1528.9/40$

Out: 0.350 ± 0.263 $\chi^2/\text{NDF}: 1756.5/45$

All: 0.050 ± 0.188 $\chi^2/\text{NDF}: 3288.0/86$

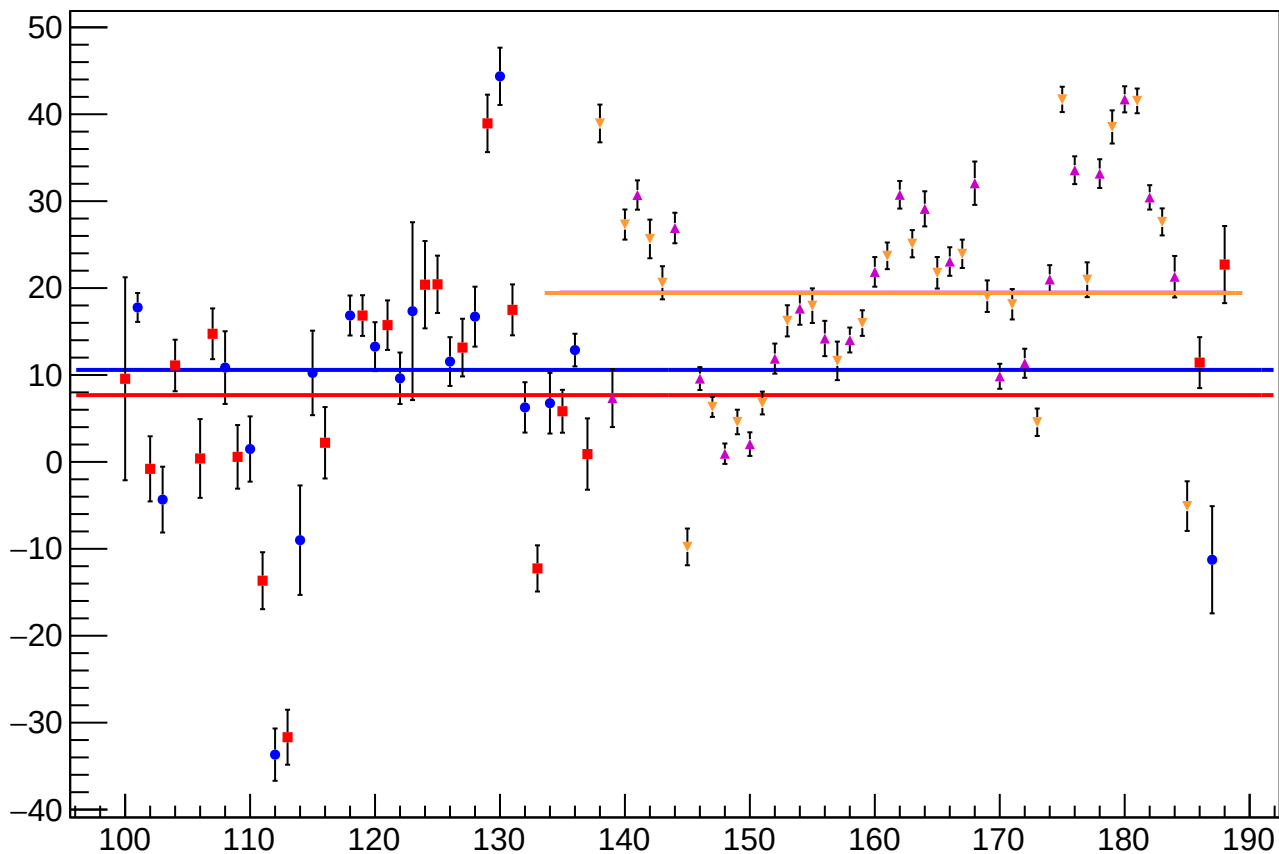
reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 176.658 $\pm$ 0.752 χ^2/NDF : 2800.5/20
 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: 173.106 $\pm$ 0.603 χ^2/NDF : 5753.3/38
 In: 117.582 $\pm$ 0.360 χ^2/NDF :9410.9/40
 Out: 123.732 $\pm$ 0.341 χ^2/NDF :13578.4/45
 All: 120.819 $\pm$ 0.247 χ^2/NDF : 23143.2/86

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.586 $\pm$ 0.709 χ^2 /NDF: 400.8/17

Left Out: 19.434 $\pm$ 0.336 χ^2 /NDF:1452.3/24

Right Out: 7.684 $\pm$ 0.715 χ^2 /NDF: 438.4/20

Left In: 19.472 $\pm$ 0.342 χ^2 /NDF:1188.2/22

Left: 19.453 $\pm$ 0.239 χ^2 /NDF: 2640.5/47

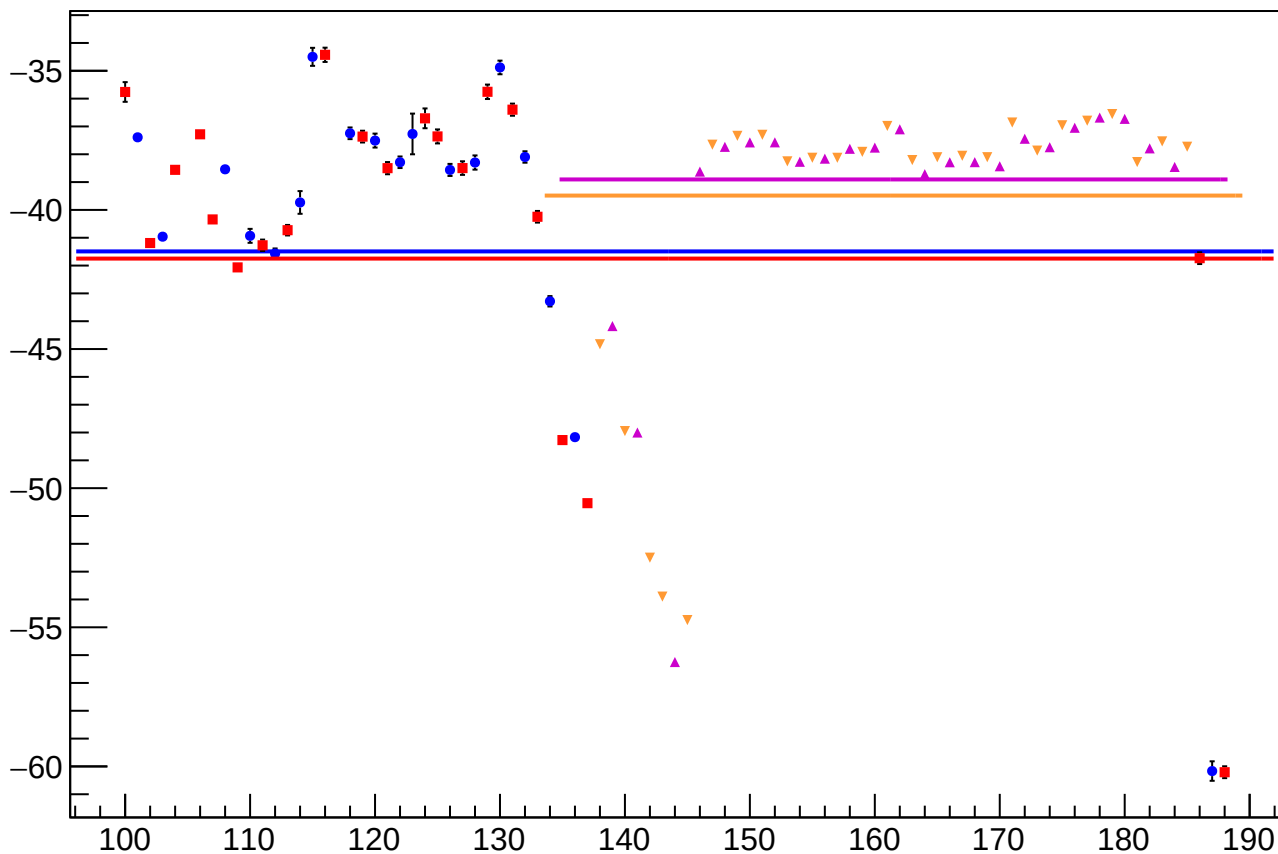
Right: 9.149 $\pm$ 0.503 χ^2 /NDF: 847.5/38

In: 17.796 $\pm$ 0.308 χ^2 /NDF:1716.6/40

Out: 17.315 $\pm$ 0.304 χ^2 /NDF:2111.9/45

All: 17.553 $\pm$ 0.216 χ^2 /NDF: 3829.7/86

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.491 ± 0.038 χ^2/NDF : 15448.2/17

Left Out: -39.484 ± 0.016 χ^2/NDF : 88877.3/24

Right Out: -41.749 ± 0.037 χ^2/NDF : 19962.5/20

Left In: -38.905 ± 0.016 χ^2/NDF : 54282.7/22

Left: -39.195 ± 0.011 χ^2/NDF : 143834.7/47

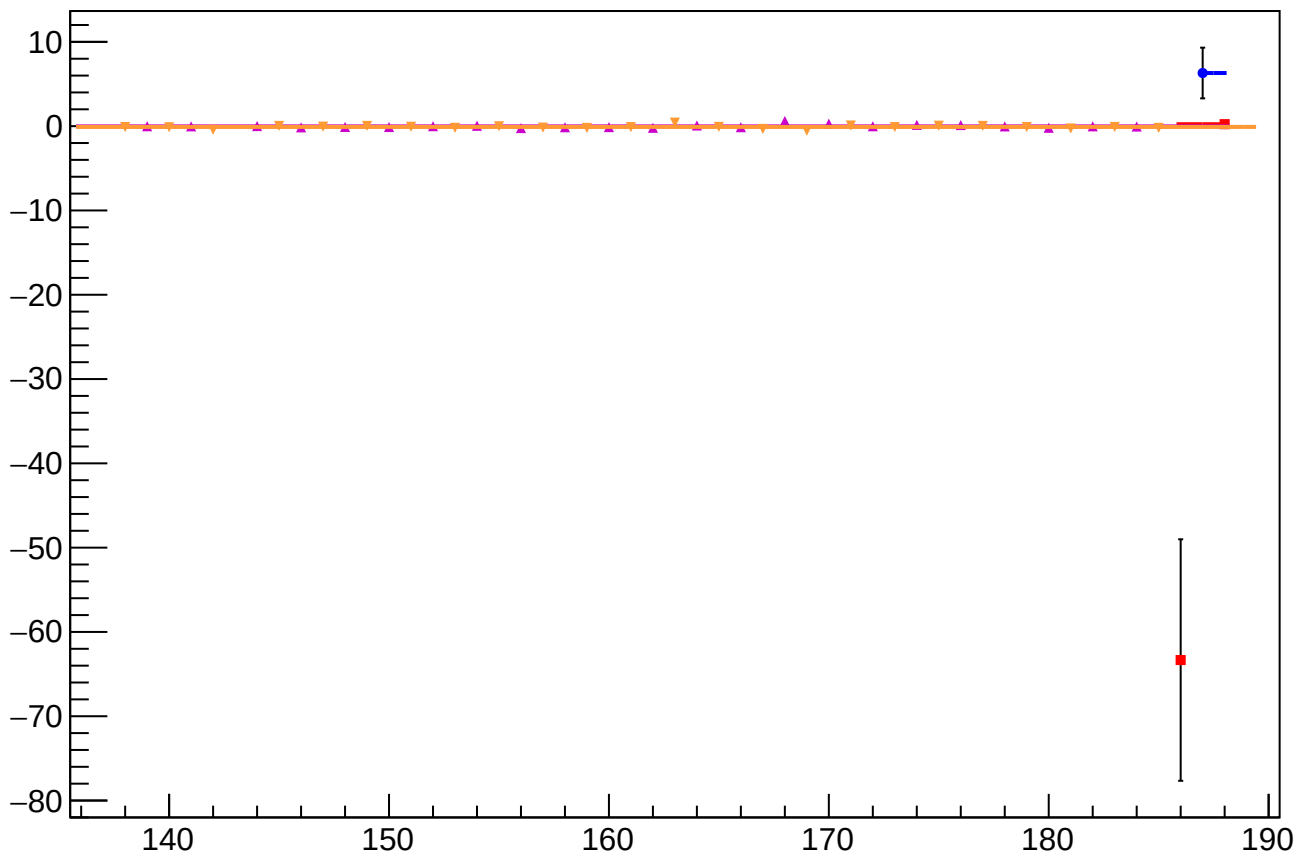
Right: -41.623 ± 0.027 χ^2/NDF : 35434.0/38

In: -39.282 ± 0.015 χ^2/NDF : 73634.0/40

Out: -39.826 ± 0.015 χ^2/NDF : 111953.3/45

All: -39.555 ± 0.010 χ^2/NDF : 186286.1/86

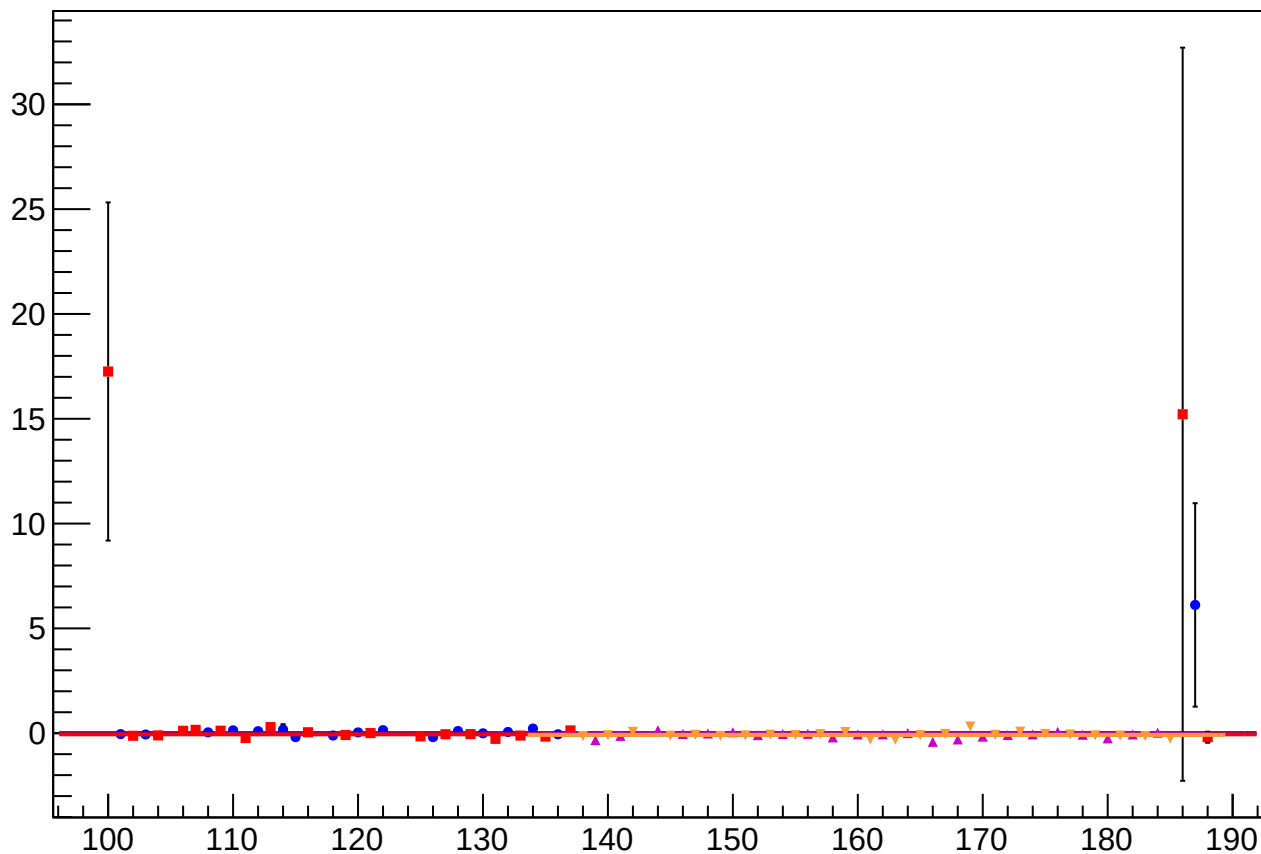
reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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: 0.228+/-0.158 χ^2/NDF : 19.7/1
 Left In: -0.026+/-0.022 χ^2/NDF :32.3/22

Left: -0.057+/-0.016 χ^2/NDF : 76.4/46
 Right: 0.245+/-0.158 χ^2/NDF : 23.8/2
 In: -0.025+/-0.022 χ^2/NDF :36.7/23
 Out: -0.083+/-0.022 χ^2/NDF :63.7/25
 All: -0.054+/-0.016 χ^2/NDF : 103.8/49

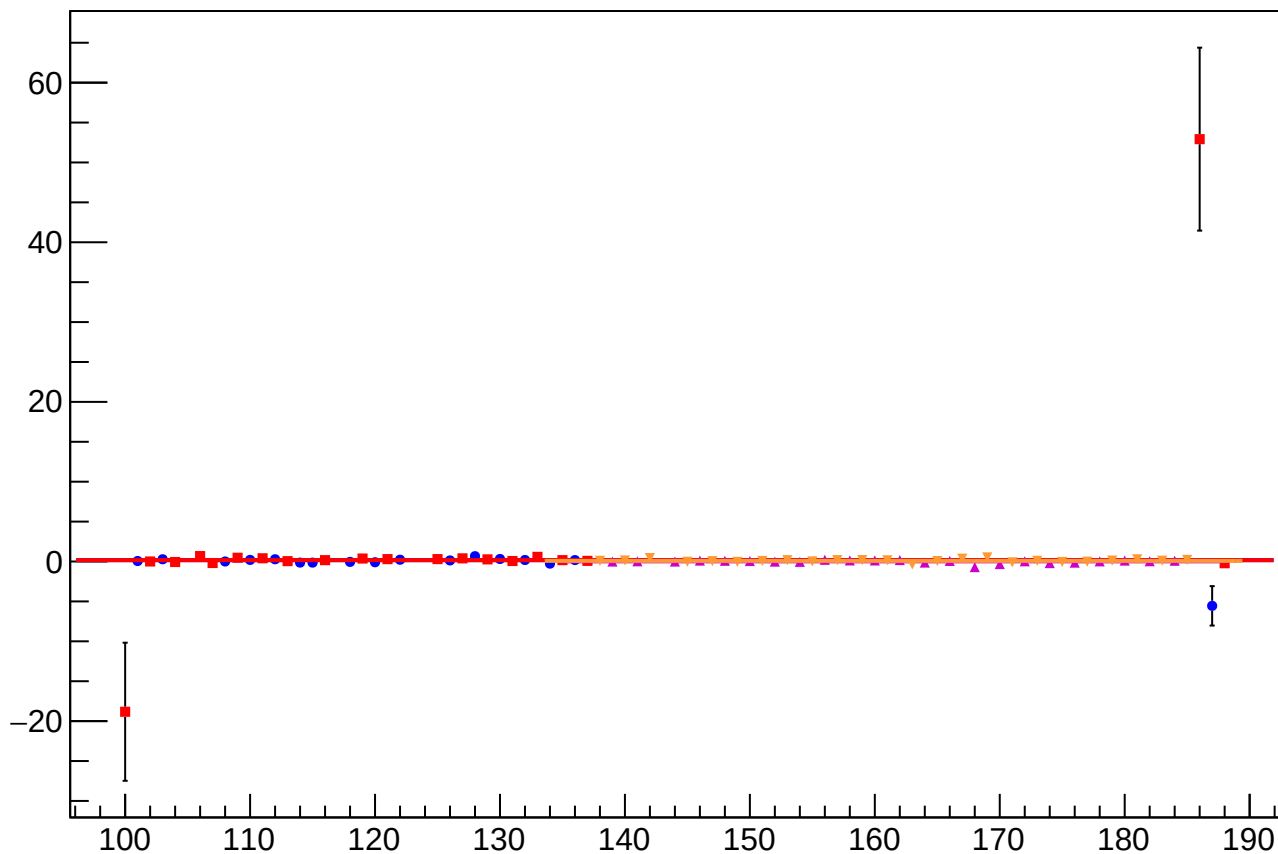
reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.028 χ^2 /NDF: 14.1/16
 Left Out: -0.081 $\pm$ 0.017 χ^2 /NDF: 25.8/23
 Right Out: -0.053 $\pm$ 0.029 χ^2 /NDF: 26.8/19
 Left In: -0.055 $\pm$ 0.018 χ^2 /NDF: 32.2/22

Left: -0.068 $\pm$ 0.012 χ^2 /NDF: 59.1/46
 Right: -0.025 $\pm$ 0.020 χ^2 /NDF: 42.8/36
 In: -0.039 $\pm$ 0.015 χ^2 /NDF: 49.2/39
 Out: -0.073 $\pm$ 0.015 χ^2 /NDF: 53.3/43
 All: -0.056 $\pm$ 0.011 χ^2 /NDF: 105.2/83

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: 0.171 $\pm$ 0.050 χ^2 /NDF: 53.8/19

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

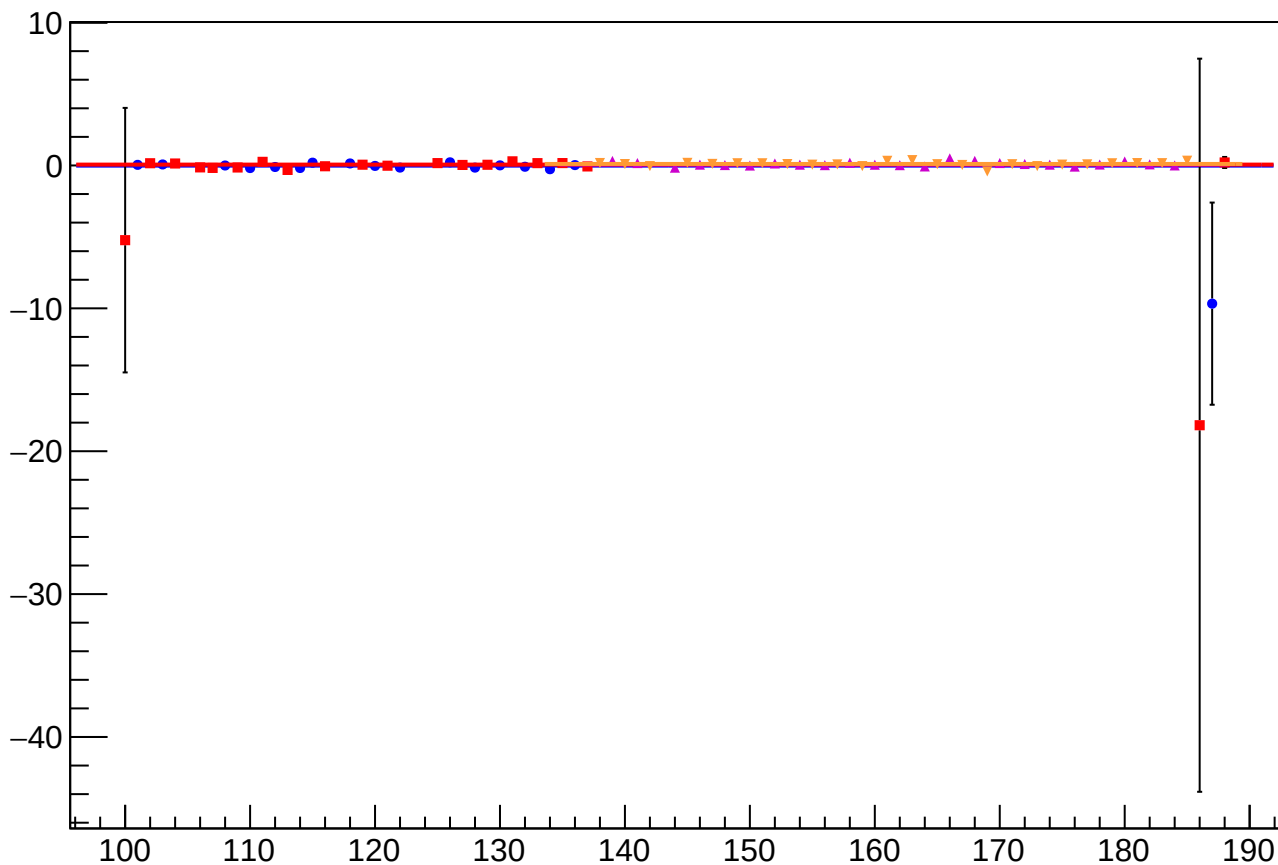
Right: 0.170 $\pm$ 0.036 χ^2 /NDF: 72.8/36

In: 0.043 $\pm$ 0.020 χ^2 /NDF:60.4/39

Out: 0.096 $\pm$ 0.020 χ^2 /NDF:95.2/43

All: 0.070 $\pm$ 0.014 χ^2 /NDF: 159.1/83

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: 0.060 ± 0.034 χ^2/NDF : 21.2/19

Left In: 0.072 ± 0.020 χ^2/NDF : 31.7/22

Left: 0.089 ± 0.014 χ^2/NDF : 62.6/46

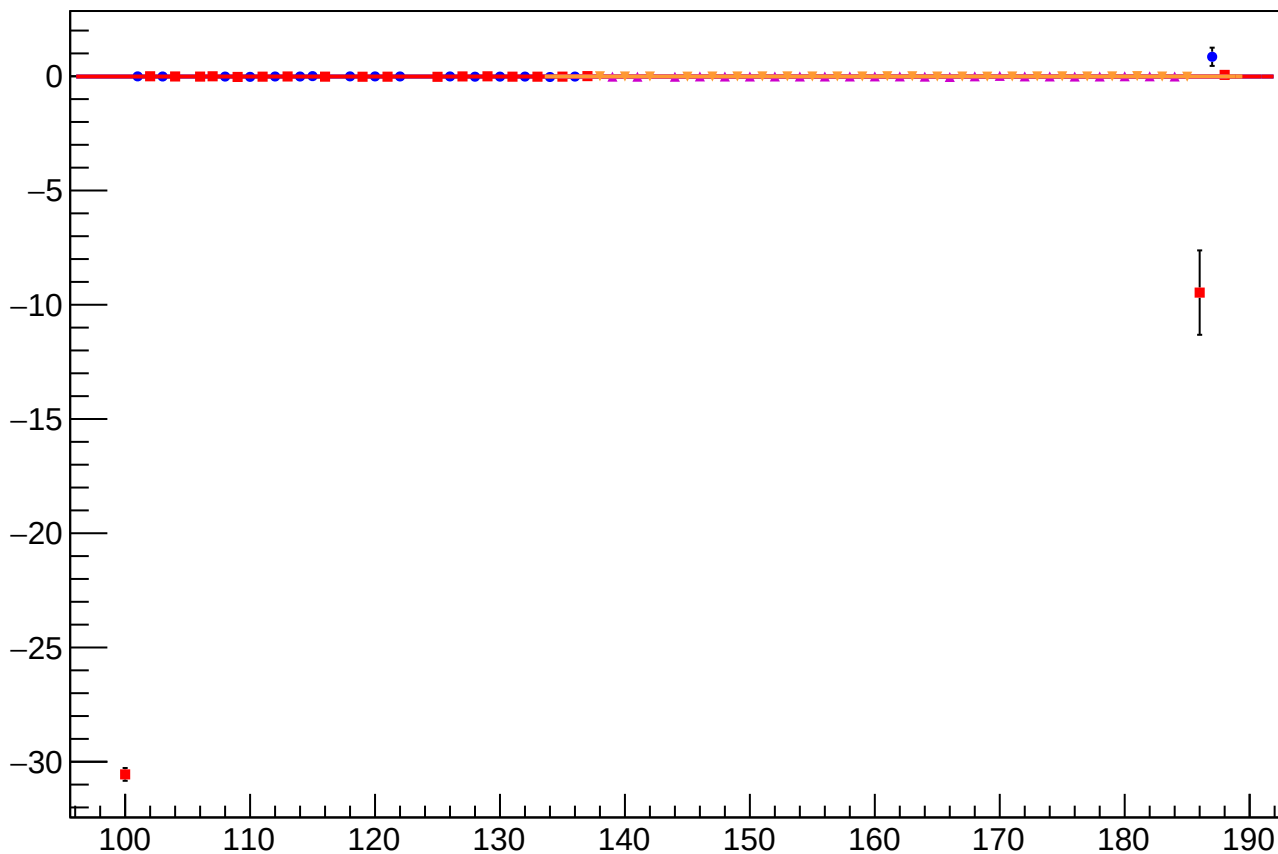
Right: 0.023 ± 0.023 χ^2/NDF : 39.2/36

In: 0.050 ± 0.017 χ^2/NDF : 52.1/39

Out: 0.094 ± 0.017 χ^2/NDF : 52.1/43

All: 0.072 ± 0.012 χ^2/NDF : 107.5/83

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: -0.011 $\pm$ 0.002 χ^2 /NDF: 11932.5/19

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

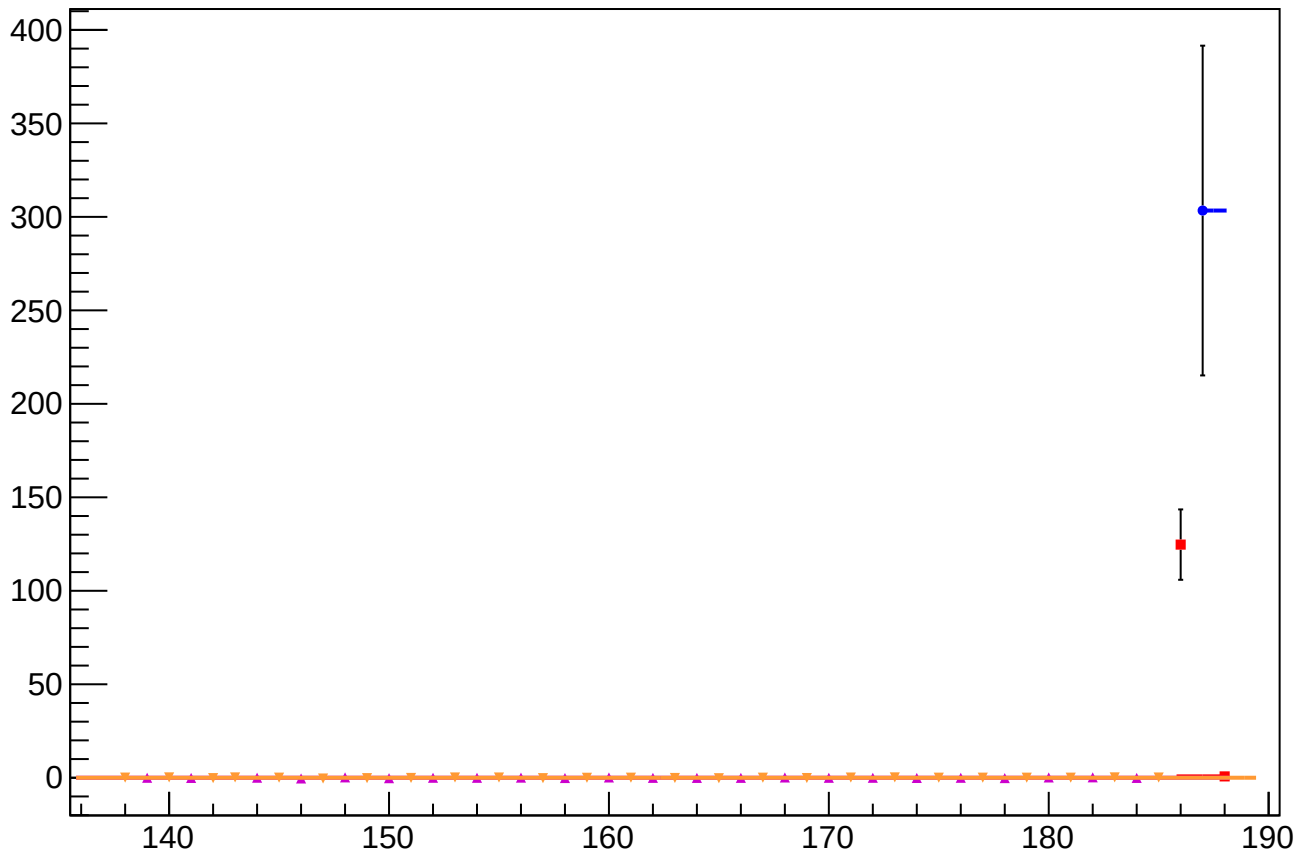
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11950.1/36

In: -0.009 $\pm$ 0.001 χ^2 /NDF:61.9/39

Out: -0.009 $\pm$ 0.001 χ^2 /NDF:11966.1/43

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 12028.4/83

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 303.382+/-88.188 χ^2/NDF : 0.0/0

Left Out: 0.013+/-0.027 χ^2/NDF :29.2/24

Right Out: 0.740+/-0.201 χ^2/NDF : 43.4/1

Left In: 0.004+/-0.028 χ^2/NDF :28.2/22

Left: 0.009+/-0.019 χ^2/NDF : 57.4/47

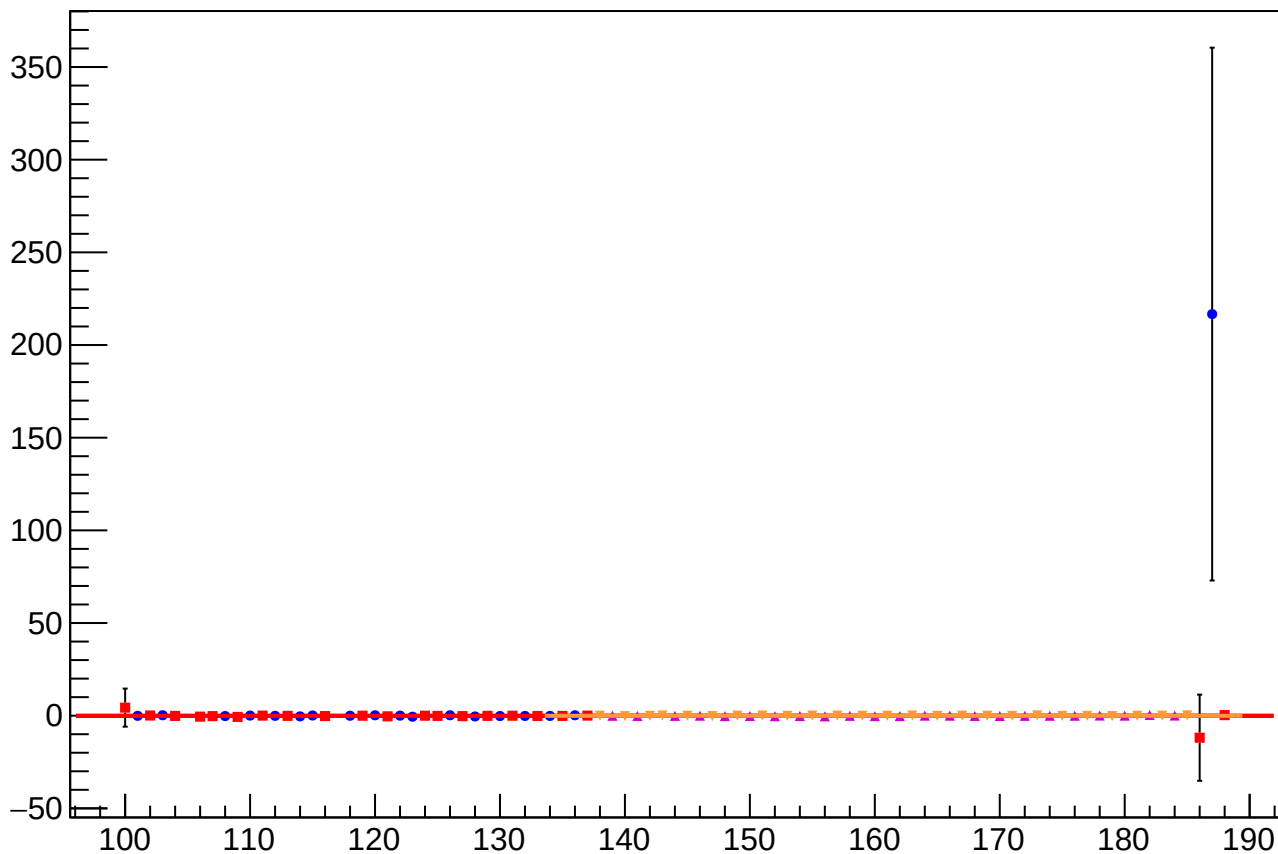
Right: 0.742+/-0.201 χ^2/NDF : 55.2/2

In: 0.004+/-0.028 χ^2/NDF :40.0/23

Out: 0.027+/-0.027 χ^2/NDF :85.4/26

All: 0.016+/-0.019 χ^2/NDF : 125.8/50

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024 ± 0.037 χ^2/NDF : 25.6/17

Left Out: -0.058 ± 0.021 χ^2/NDF : 25.4/24

Right Out: -0.122 ± 0.039 χ^2/NDF : 19.5/20

Left In: -0.072 ± 0.022 χ^2/NDF : 48.7/22

Left: -0.064 ± 0.015 χ^2/NDF : 74.4/47

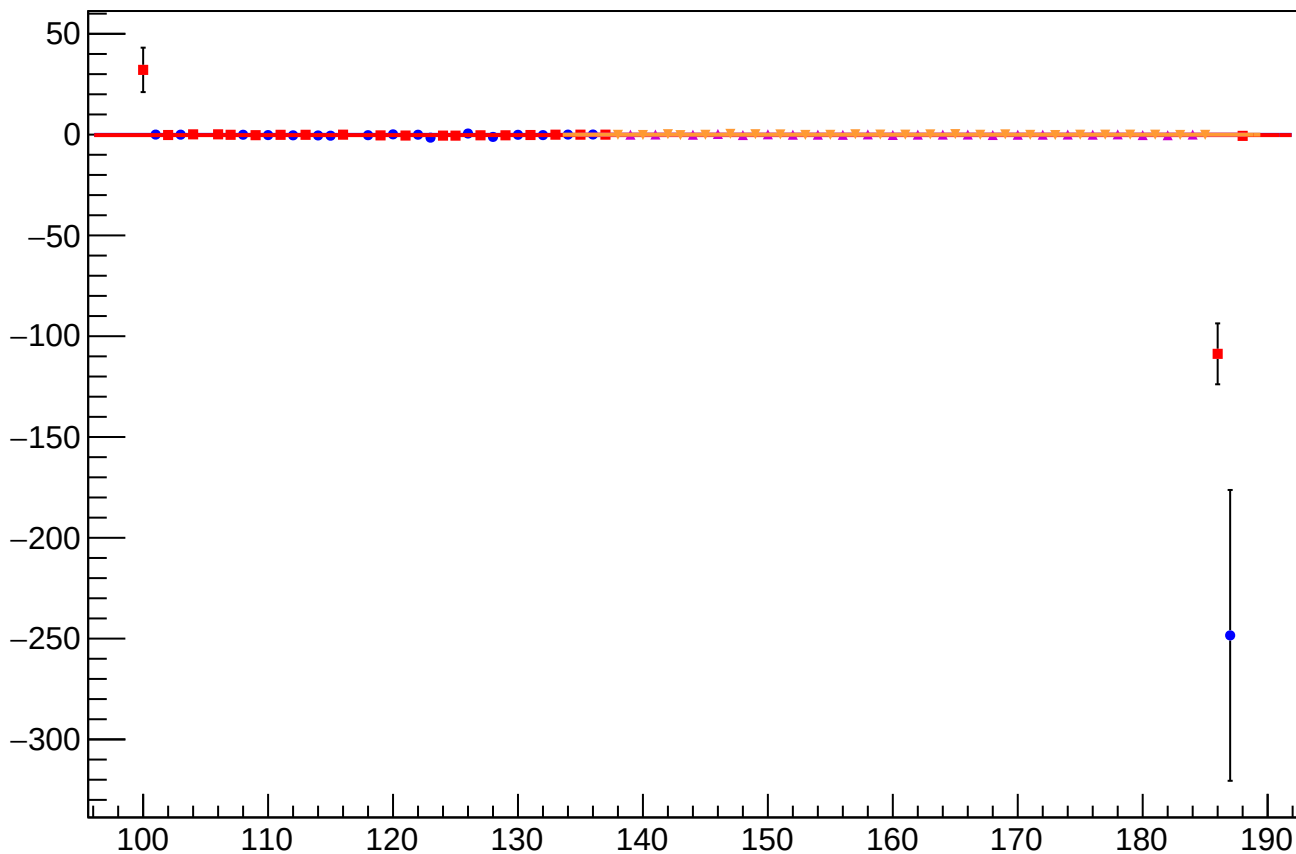
Right: -0.070 ± 0.027 χ^2/NDF : 48.5/38

In: -0.059 ± 0.019 χ^2/NDF : 75.6/40

Out: -0.072 ± 0.019 χ^2/NDF : 47.0/45

All: -0.066 ± 0.013 χ^2/NDF : 122.9/86

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.130 ± 0.067 $\chi^2/\text{NDF}: 35.6/17$

Left Out: -0.015 ± 0.027 $\chi^2/\text{NDF}: 27.0/24$

Right Out: -0.246 ± 0.065 $\chi^2/\text{NDF}: 73.0/20$

Left In: -0.035 ± 0.027 $\chi^2/\text{NDF}: 27.7/22$

Left: -0.025 ± 0.019 $\chi^2/\text{NDF}: 55.0/47$

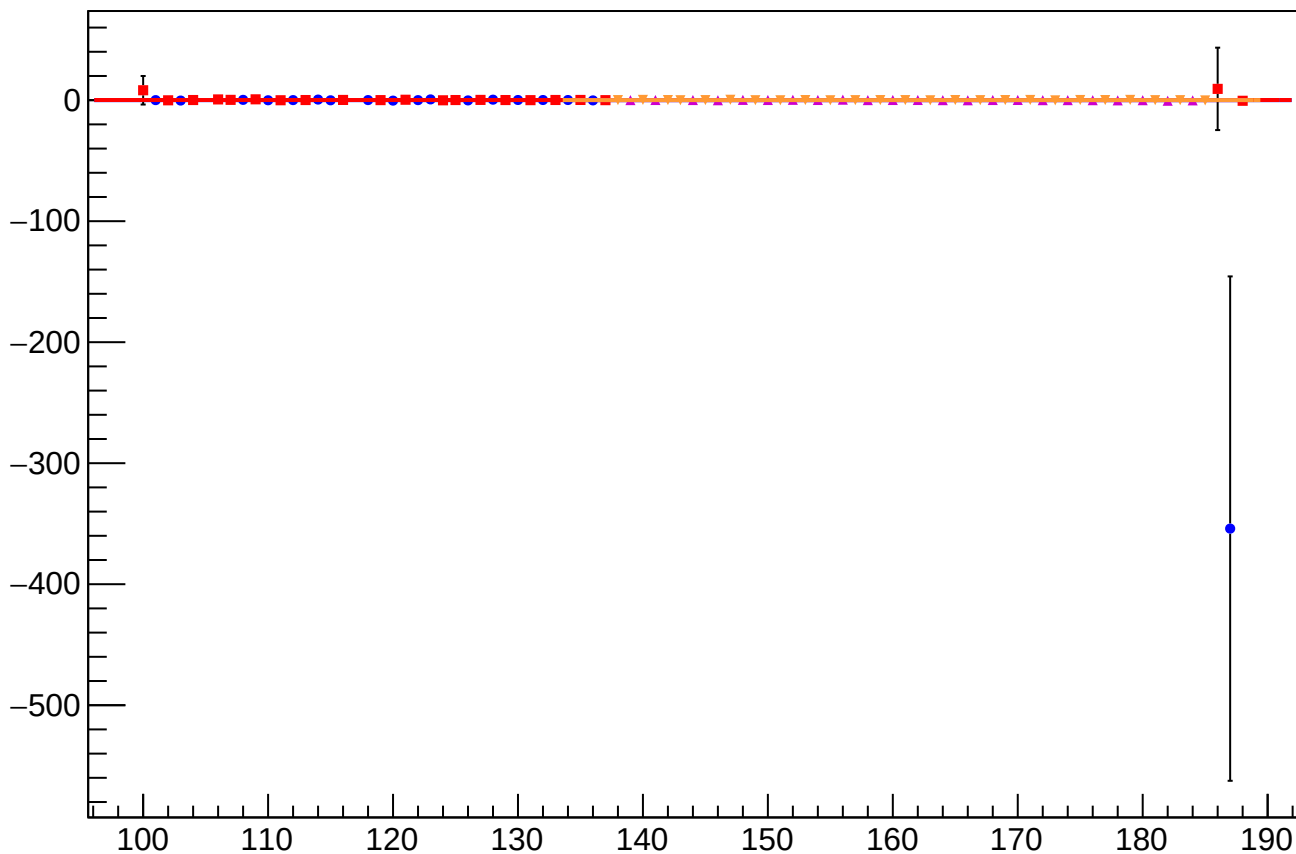
Right: -0.189 ± 0.047 $\chi^2/\text{NDF}: 110.2/38$

In: -0.048 ± 0.025 $\chi^2/\text{NDF}: 65.0/40$

Out: -0.049 ± 0.025 $\chi^2/\text{NDF}: 110.8/45$

All: -0.049 ± 0.018 $\chi^2/\text{NDF}: 175.9/86$

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021 $\pm$ 0.042 χ^2 /NDF: 25.4/17

Left Out: 0.062 $\pm$ 0.024 χ^2 /NDF:25.0/24

Right Out: 0.146 $\pm$ 0.045 χ^2 /NDF: 18.0/20

Left In: 0.069 $\pm$ 0.025 χ^2 /NDF:51.4/22

Left: 0.065 $\pm$ 0.017 χ^2 /NDF: 76.5/47

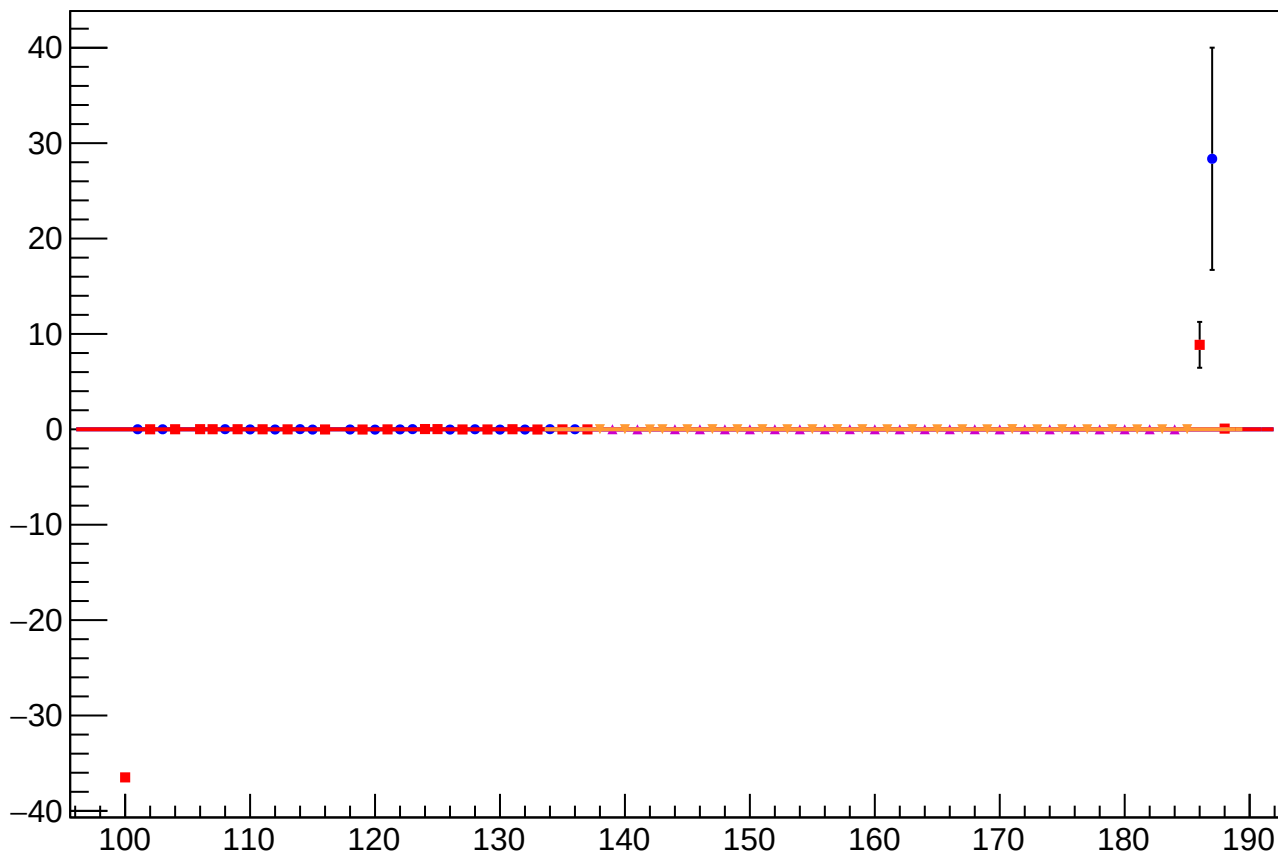
Right: 0.079 $\pm$ 0.031 χ^2 /NDF: 47.5/38

In: 0.057 $\pm$ 0.021 χ^2 /NDF:77.8/40

Out: 0.080 $\pm$ 0.021 χ^2 /NDF:45.8/45

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 124.2/86

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001+/-0.002 χ^2/NDF : 38.3/17

Left Out: 0.008+/-0.001 χ^2/NDF : 25.9/24

Right Out: 0.002+/-0.002 χ^2/NDF : 10472.6/20

Left In: 0.009+/-0.001 χ^2/NDF : 15.8/22

Left: 0.009+/-0.001 χ^2/NDF : 42.0/47

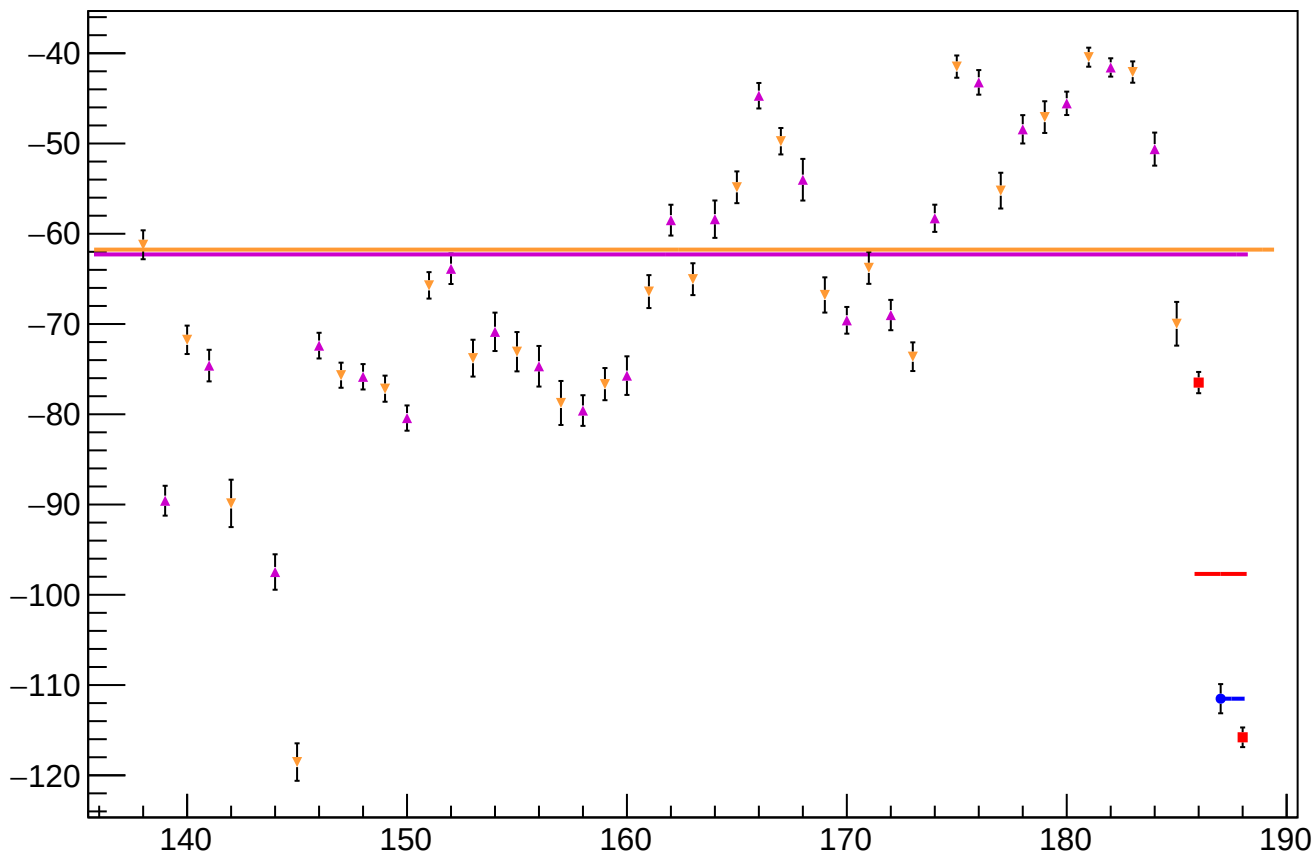
Right: 0.001+/-0.002 χ^2/NDF : 10510.9/38

In: 0.008+/-0.001 χ^2/NDF : 64.2/40

Out: 0.007+/-0.001 χ^2/NDF : 10505.4/45

All: 0.007+/-0.001 χ^2/NDF : 10569.7/86

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: -97.689 ± 0.800 χ^2/NDF : 599.8/1

Left In: -62.290 ± 0.331 χ^2/NDF : 2265.0/22

Left: -62.025 ± 0.235 χ^2/NDF : 4775.5/46

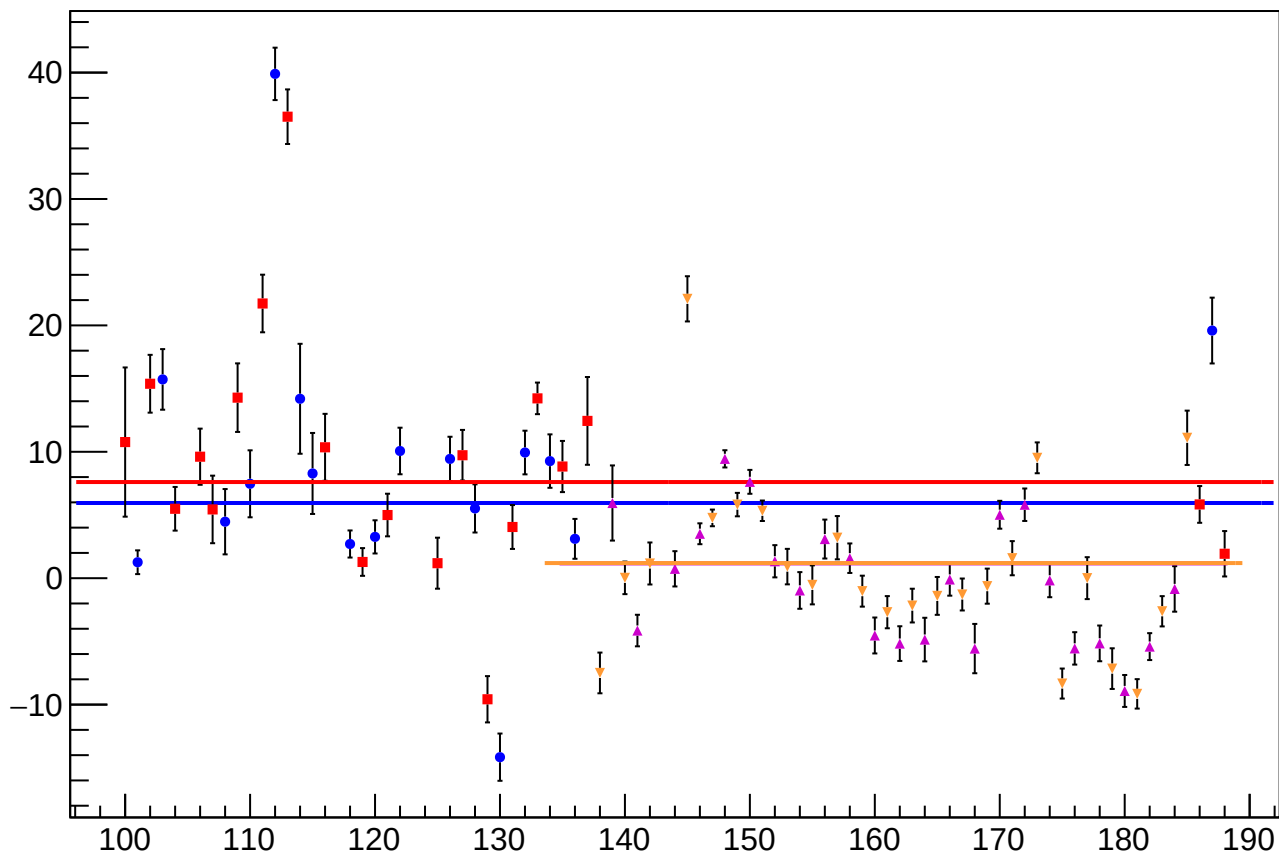
Right: -100.404 ± 0.717 χ^2/NDF : 658.5/2

In: -64.270 ± 0.324 χ^2/NDF : 3153.8/23

Out: -67.087 ± 0.308 χ^2/NDF : 4828.0/25

All: -65.751 ± 0.223 χ^2/NDF : 8021.4/49

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.950 $\pm$ 0.418 χ^2 /NDF: 491.0/16

Left Out: 1.197 $\pm$ 0.252 χ^2 /NDF:526.1/23

Right Out: 7.607 $\pm$ 0.421 χ^2 /NDF: 420.6/19

Left In: 1.171 $\pm$ 0.255 χ^2 /NDF:466.2/22

Left: 1.184 $\pm$ 0.179 χ^2 /NDF: 992.3/46

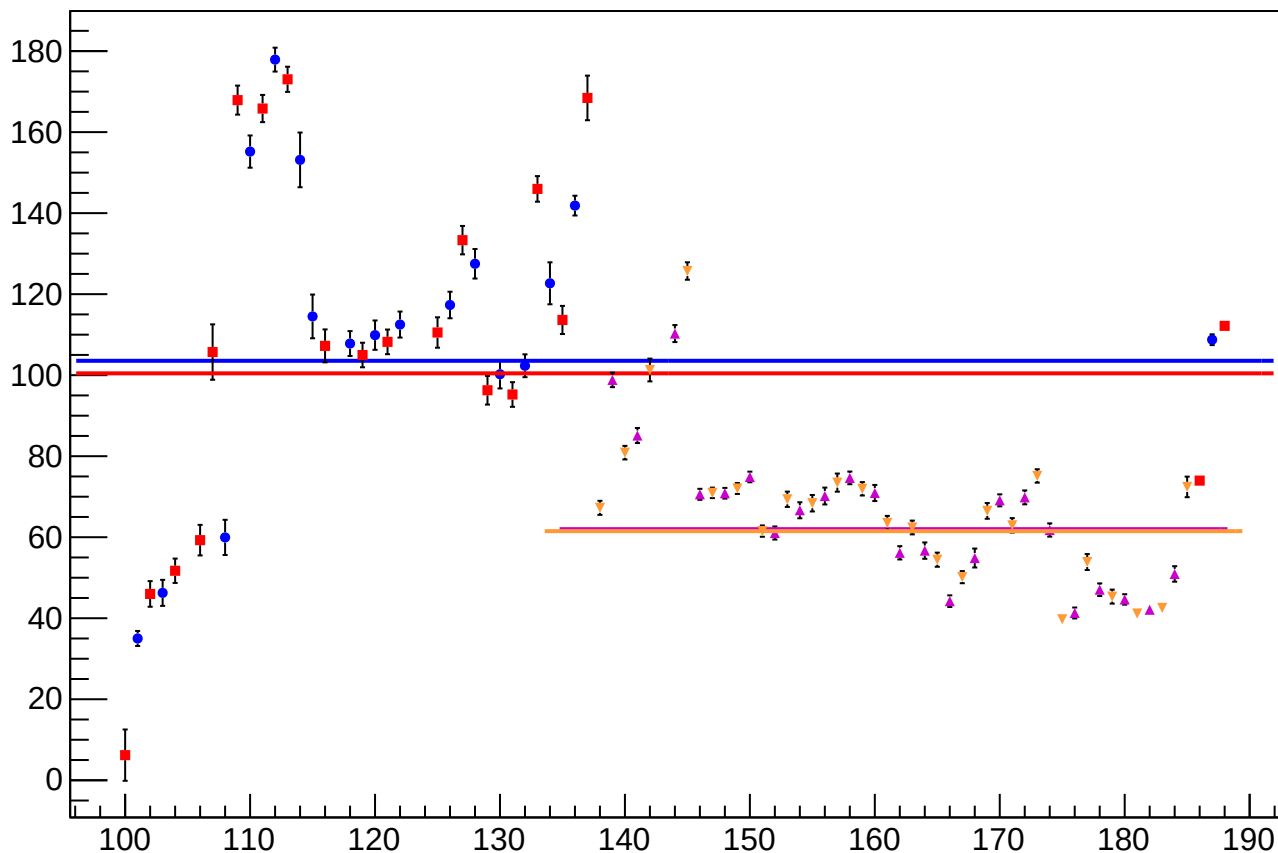
Right: 6.773 $\pm$ 0.297 χ^2 /NDF: 919.4/36

In: 2.465 $\pm$ 0.218 χ^2 /NDF:1052.5/39

Out: 2.893 $\pm$ 0.217 χ^2 /NDF:1117.2/43

All: 2.680 $\pm$ 0.153 χ^2 /NDF: 2171.7/83

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: 100.452 $\pm$ 0.509 χ^2 /NDF: 3635.0/19

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

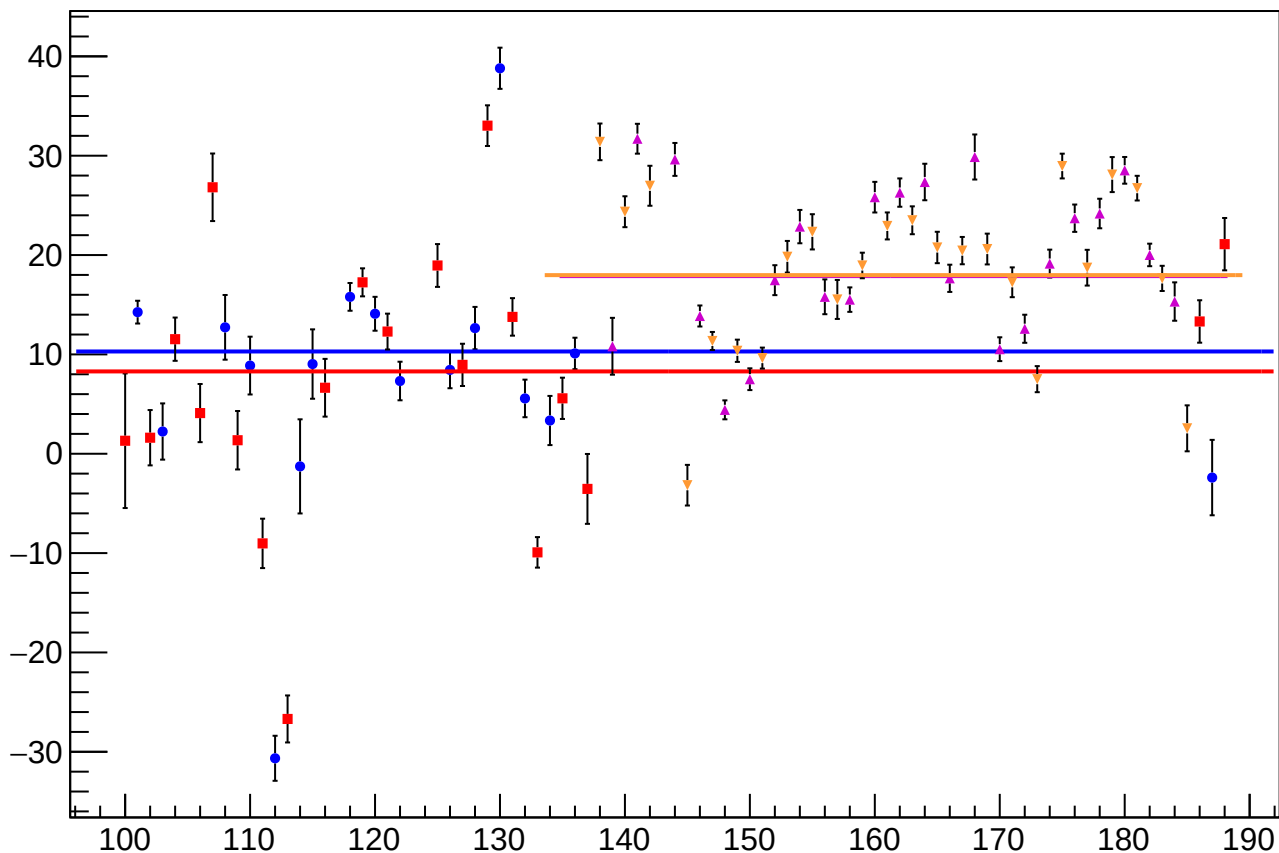
Right: 101.546 $\pm$ 0.410 χ^2 /NDF: 6647.9/36

In: 69.695 $\pm$ 0.297 χ^2 /NDF:8475.1/39

Out: 73.126 $\pm$ 0.278 χ^2 /NDF:10348.6/43

All: 71.522 $\pm$ 0.203 χ^2 /NDF: 18894.8/83

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: 8.287 $\pm$ 0.500 χ^2 /NDF: 720.9/19

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

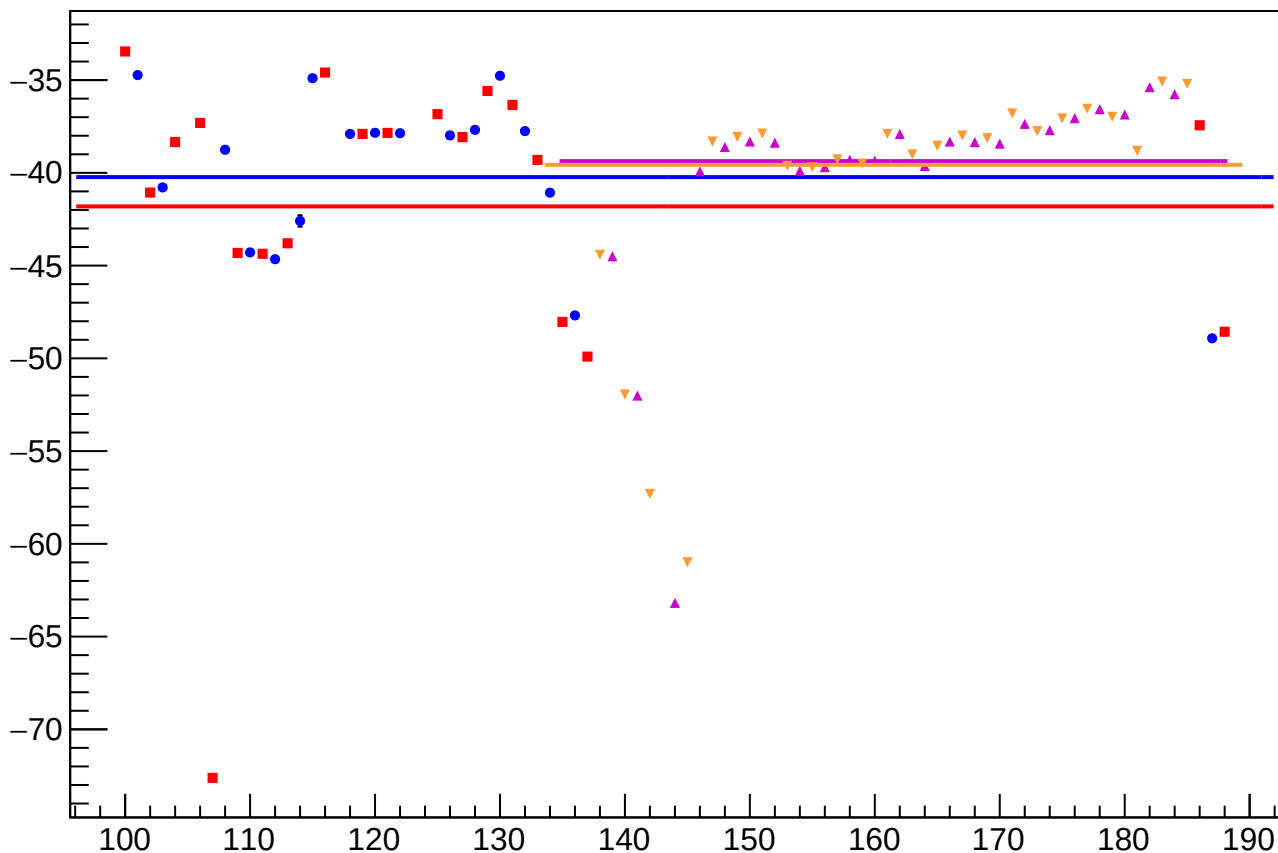
Right: 9.314 $\pm$ 0.349 χ^2 /NDF: 1322.1/36

In: 15.884 $\pm$ 0.250 χ^2 /NDF: 1501.9/39

Out: 15.527 $\pm$ 0.251 χ^2 /NDF: 1676.8/43

All: 15.706 $\pm$ 0.177 χ^2 /NDF: 3179.7/83

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.230 ± 0.028 $\chi^2/\text{NDF}: 26790.7/16$

Left Out: -39.567 ± 0.014 $\chi^2/\text{NDF}: 141152.0/23$

Right Out: -41.808 ± 0.027 $\chi^2/\text{NDF}: 65576.7/19$

Left In: -39.368 ± 0.014 $\chi^2/\text{NDF}: 117958.1/22$

Left: -39.466 ± 0.010 $\chi^2/\text{NDF}: 259216.7/46$

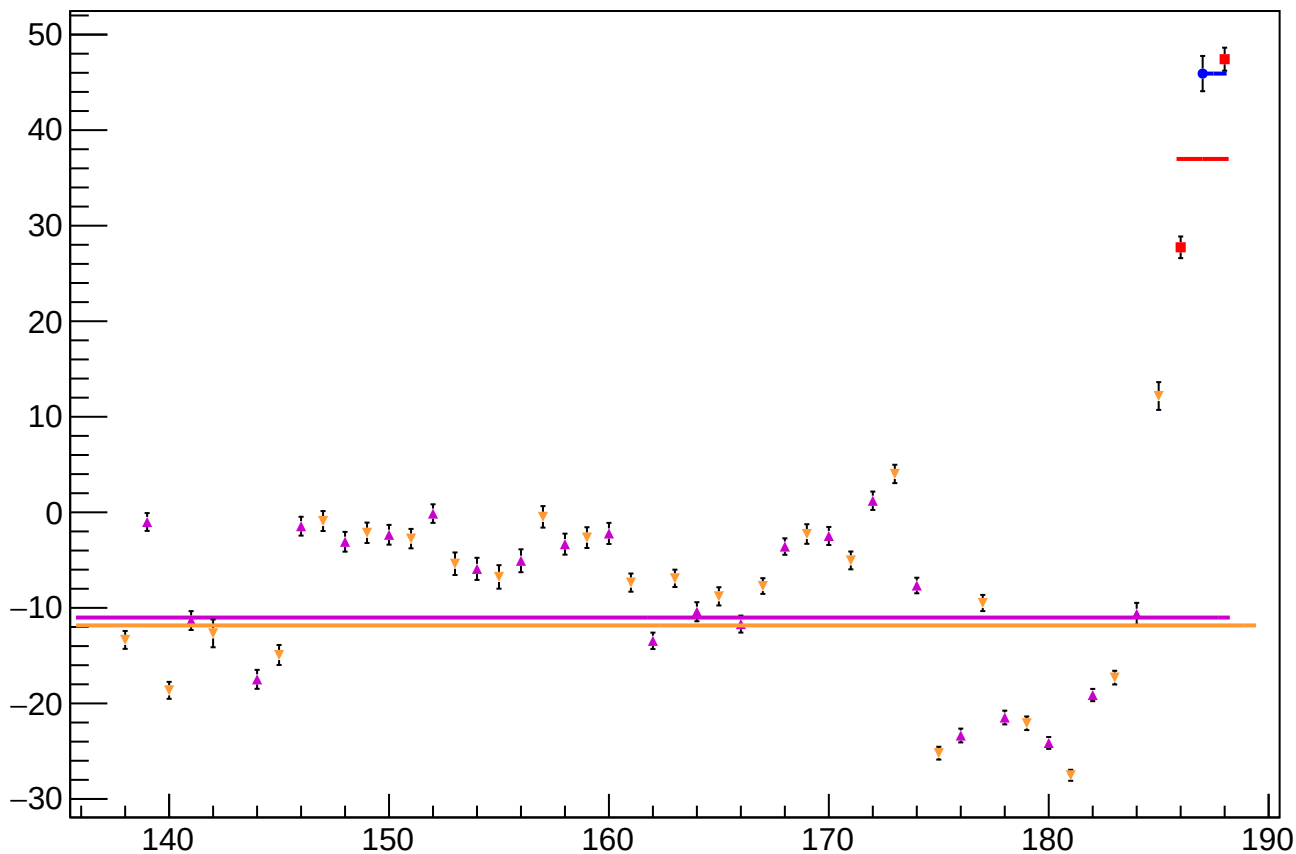
Right: -41.035 ± 0.020 $\chi^2/\text{NDF}: 93993.6/36$

In: -39.532 ± 0.012 $\chi^2/\text{NDF}: 145518.4/39$

Out: -40.017 ± 0.012 $\chi^2/\text{NDF}: 212075.1/43$

All: -39.773 ± 0.009 $\chi^2/\text{NDF}: 358380.0/83$

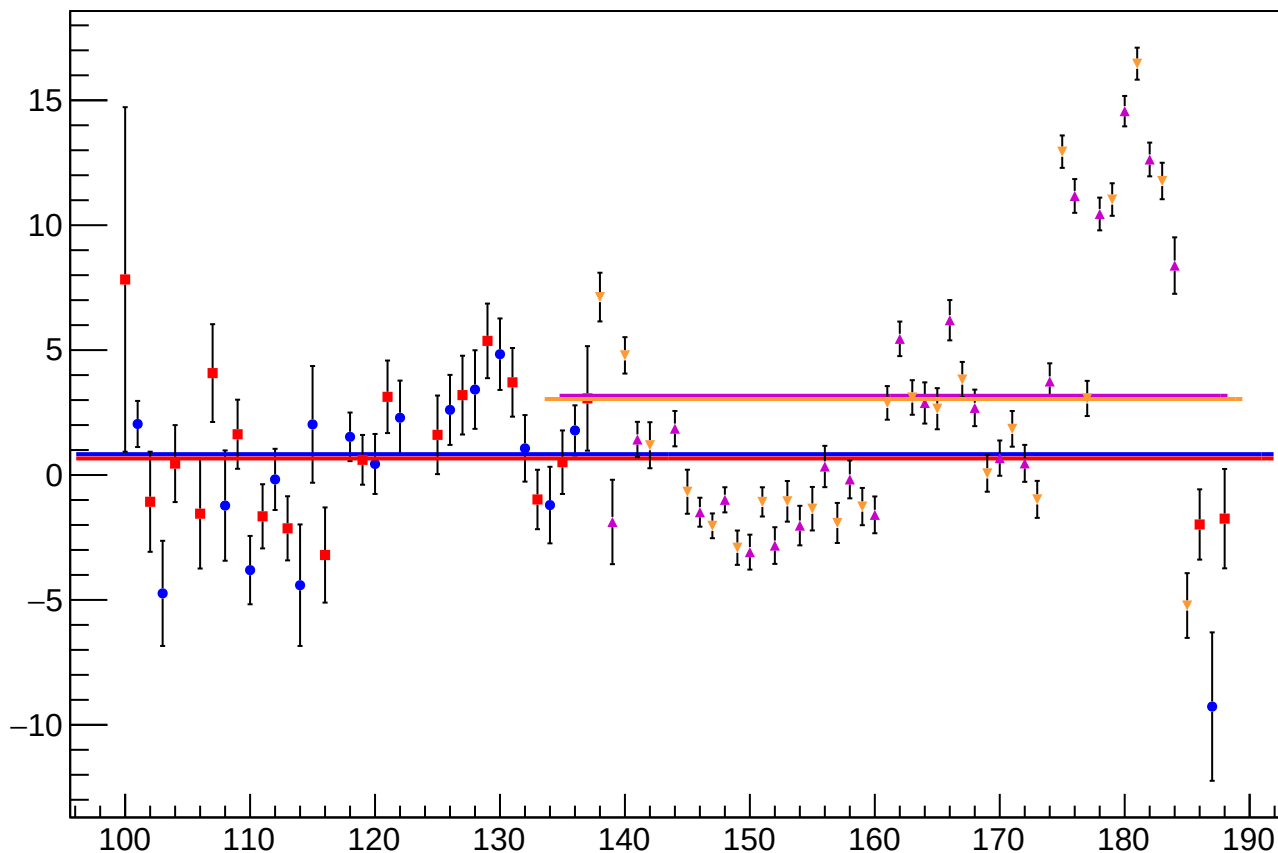
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 36.985+/-0.826 χ^2 /NDF: 141.4/1
 Left In: -11.014+/-0.187 χ^2 /NDF: 2116.6/22

Left: -11.426+/-0.132 χ^2 /NDF: 4868.7/46
 Right: 38.478+/-0.754 χ^2 /NDF: 161.0/2
 In: -10.434+/-0.186 χ^2 /NDF: 3059.1/23
 Out: -9.463+/-0.182 χ^2 /NDF: 6205.5/25
 All: -9.938+/-0.130 χ^2 /NDF: 9278.5/49

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.835 ± 0.336 χ^2/NDF : 54.7/16

Left Out: 3.042 ± 0.148 χ^2/NDF : 1452.6/23

Right Out: 0.663 ± 0.338 χ^2/NDF : 47.4/19

Left In: 3.172 ± 0.150 χ^2/NDF : 1297.9/22

Left: 3.106 ± 0.105 χ^2/NDF : 2750.9/46

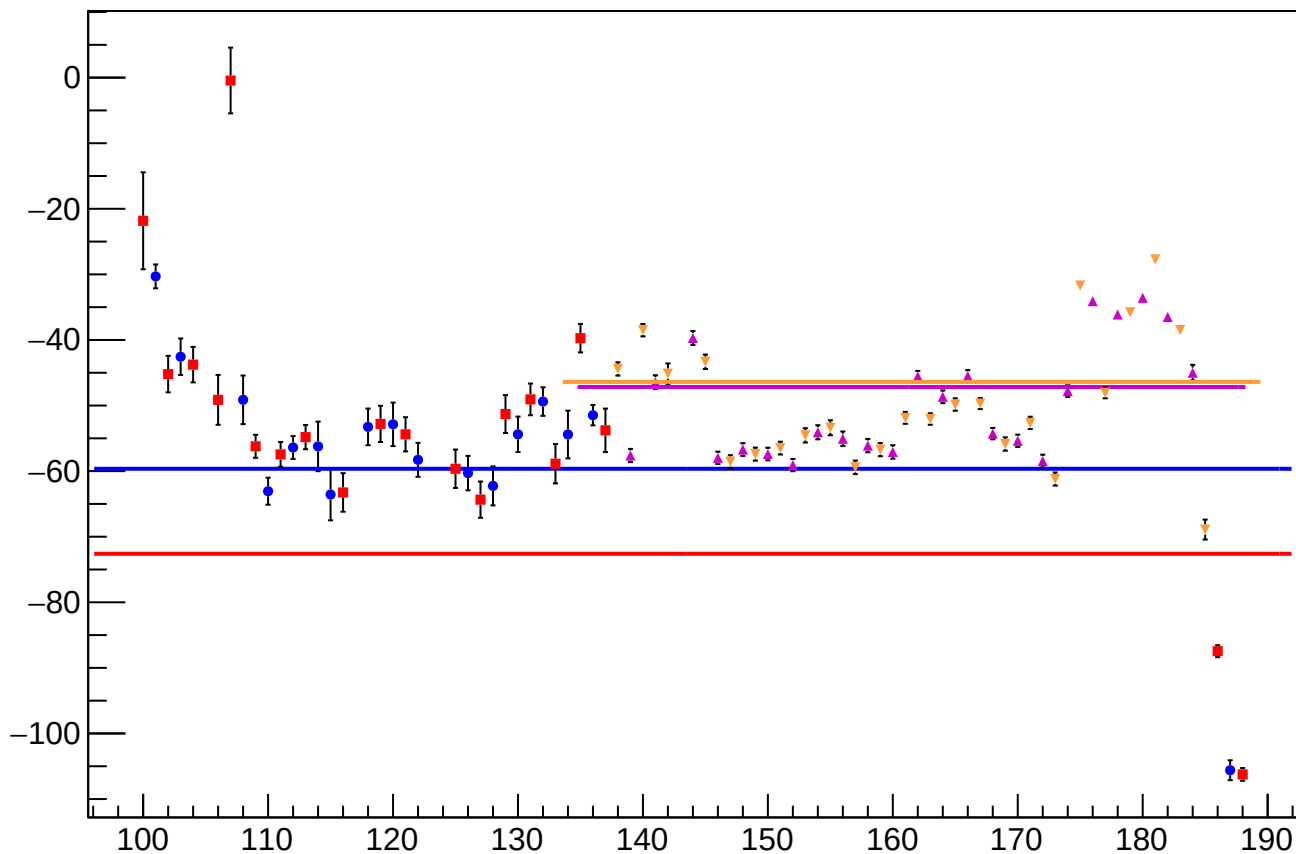
Right: 0.749 ± 0.238 χ^2/NDF : 102.2/36

In: 2.785 ± 0.137 χ^2/NDF : 1393.0/39

Out: 2.660 ± 0.135 χ^2/NDF : 1541.6/43

All: 2.722 ± 0.096 χ^2/NDF : 2935.0/83

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: -72.604 ± 0.452 χ^2/NDF : 2779.0/19

Left In: -47.170 ± 0.186 χ^2/NDF : 2526.3/22

Left: -46.784 ± 0.132 χ^2/NDF : 5824.3/46

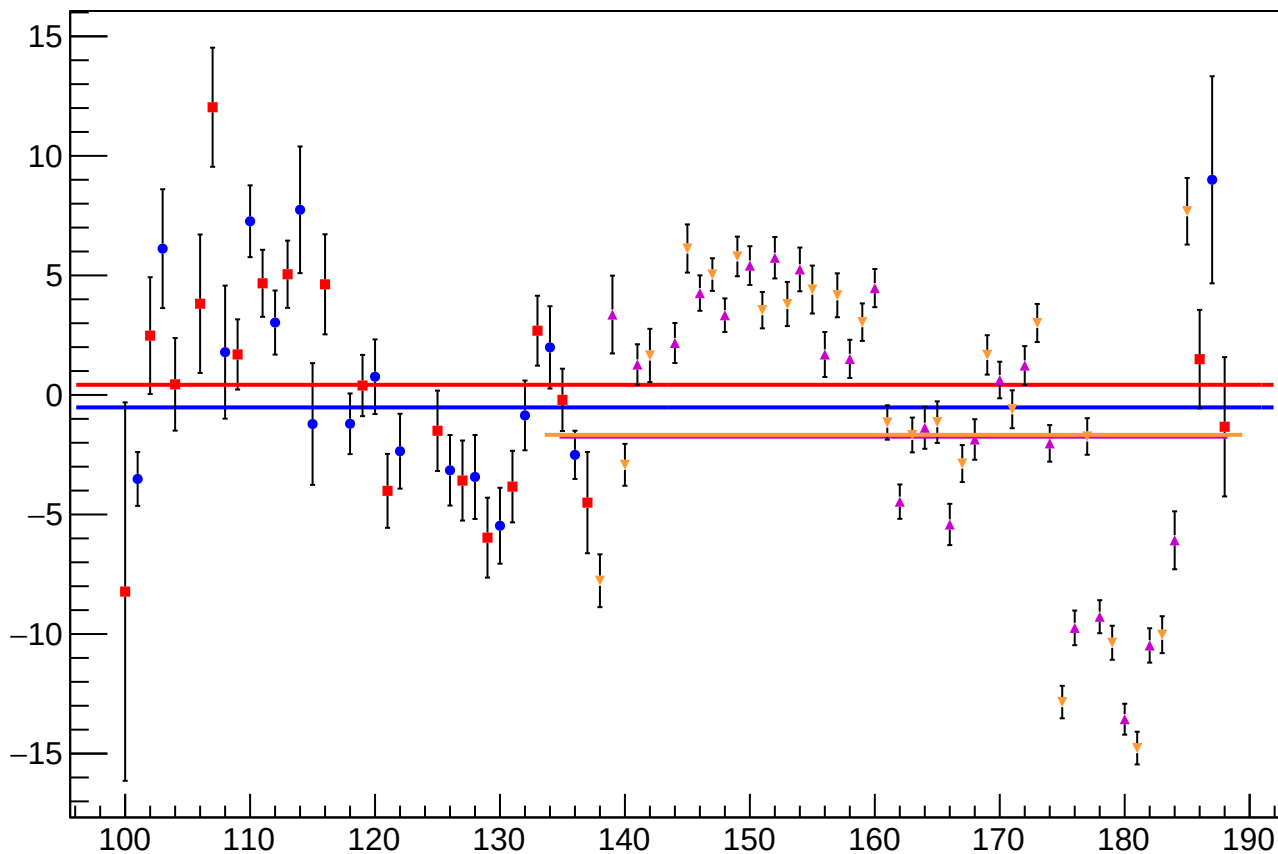
Right: -67.573 ± 0.353 χ^2/NDF : 4398.3/36

In: -48.385 ± 0.177 χ^2/NDF : 4262.0/39

Out: -50.214 ± 0.172 χ^2/NDF : 8942.4/43

All: -49.324 ± 0.124 χ^2/NDF : 13259.1/83

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: 0.423 ± 0.389 χ^2/NDF : 96.4/19

Left In: -1.746 ± 0.168 χ^2/NDF : 1254.1/22

Left: -1.707 ± 0.119 χ^2/NDF : 2733.5/46

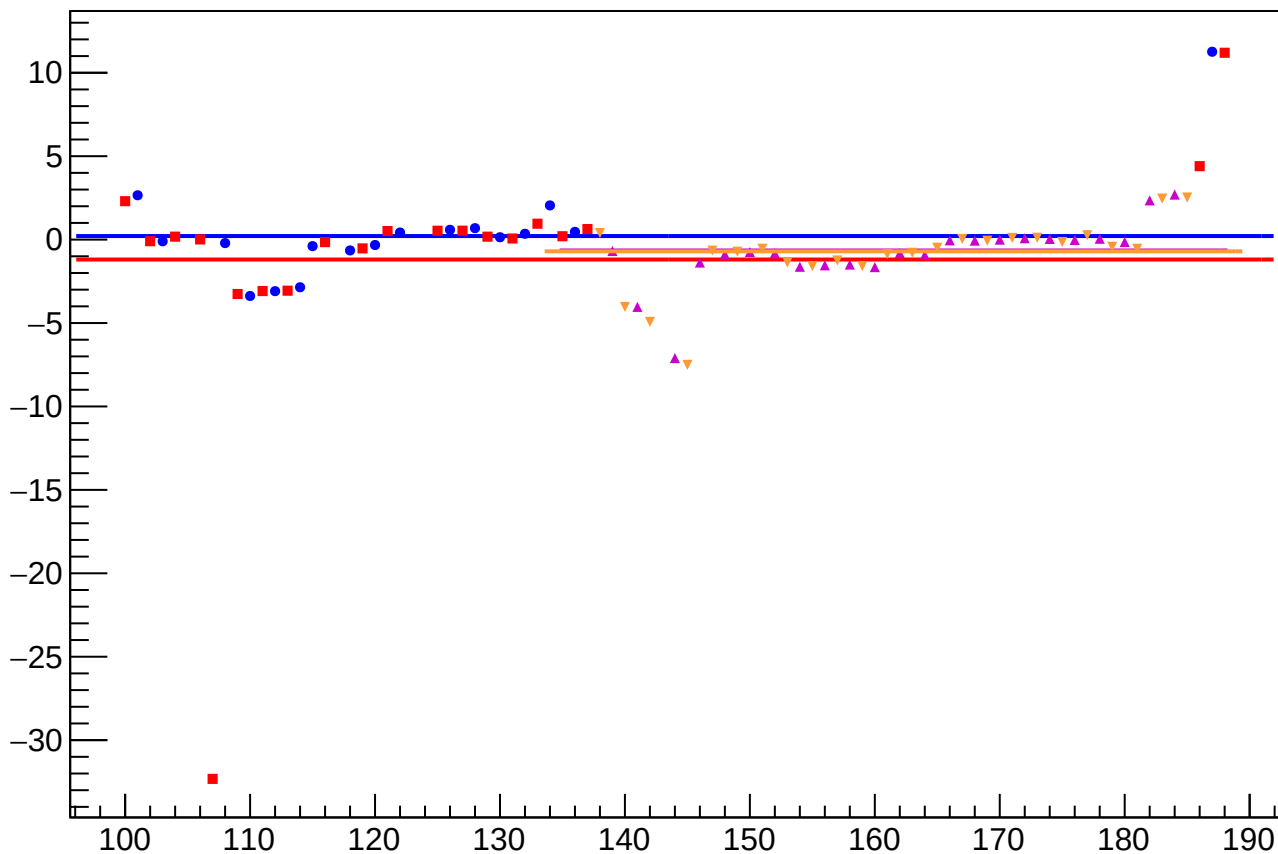
Right: -0.057 ± 0.273 χ^2/NDF : 186.9/36

In: -1.547 ± 0.154 χ^2/NDF : 1350.1/39

Out: -1.343 ± 0.153 χ^2/NDF : 1600.2/43

All: -1.444 ± 0.109 χ^2/NDF : 2951.2/83

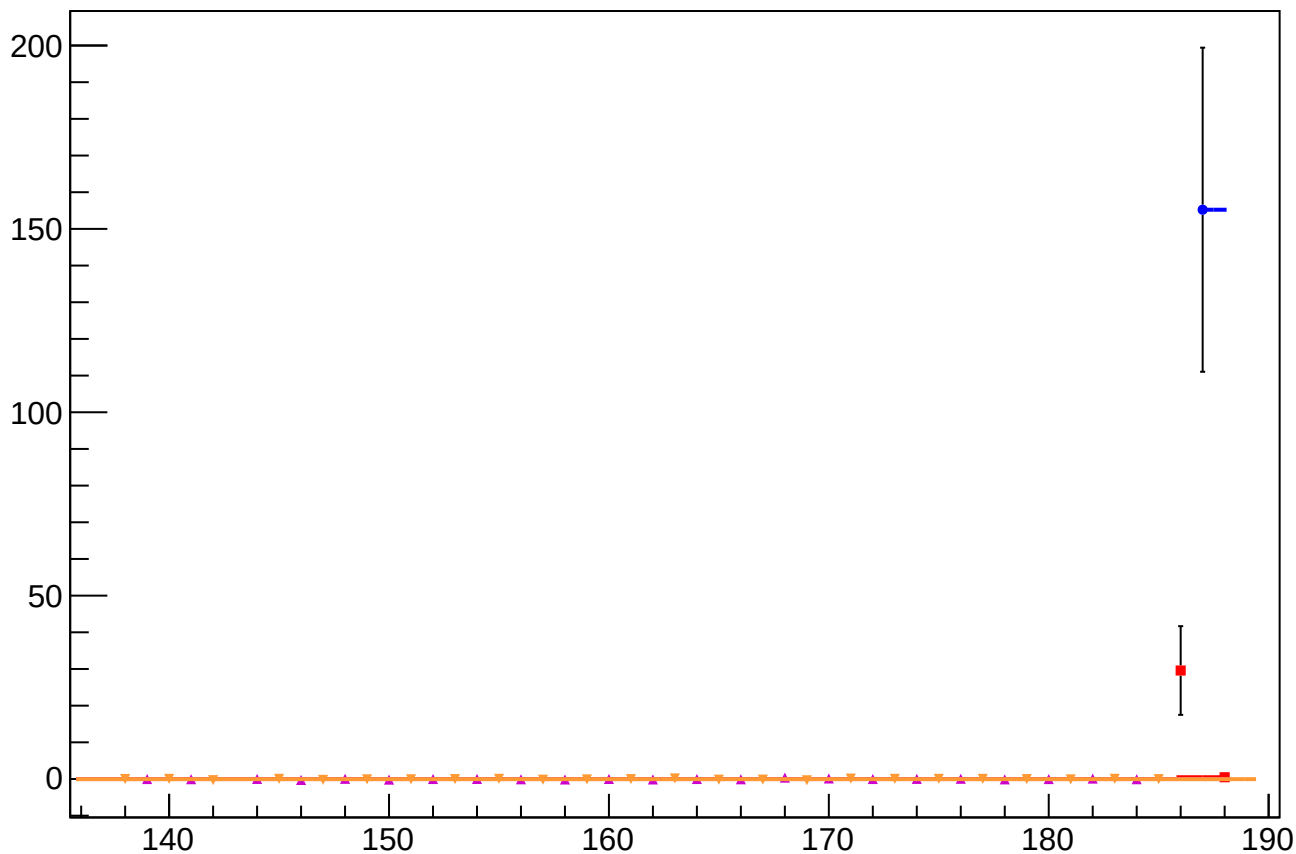
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -1.193 ± 0.021 $\chi^2/\text{NDF}: 87896.8/19$
 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: -0.494 ± 0.015 $\chi^2/\text{NDF}: 97373.9/36$
 In: -0.554 ± 0.007 $\chi^2/\text{NDF}: 52922.6/39$
 Out: -0.759 ± 0.007 $\chi^2/\text{NDF}: 142137.0/43$
 All: -0.656 ± 0.005 $\chi^2/\text{NDF}: 195464.5/83$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 155.225+/-44.188 χ^2/NDF : 0.0/0

Left Out: -0.038+/-0.018 χ^2/NDF : 35.6/23

Right Out: 0.483+/-0.128 χ^2/NDF : 5.8/1

Left In: -0.009+/-0.018 χ^2/NDF : 35.3/22

Left: -0.024+/-0.013 χ^2/NDF : 72.1/46

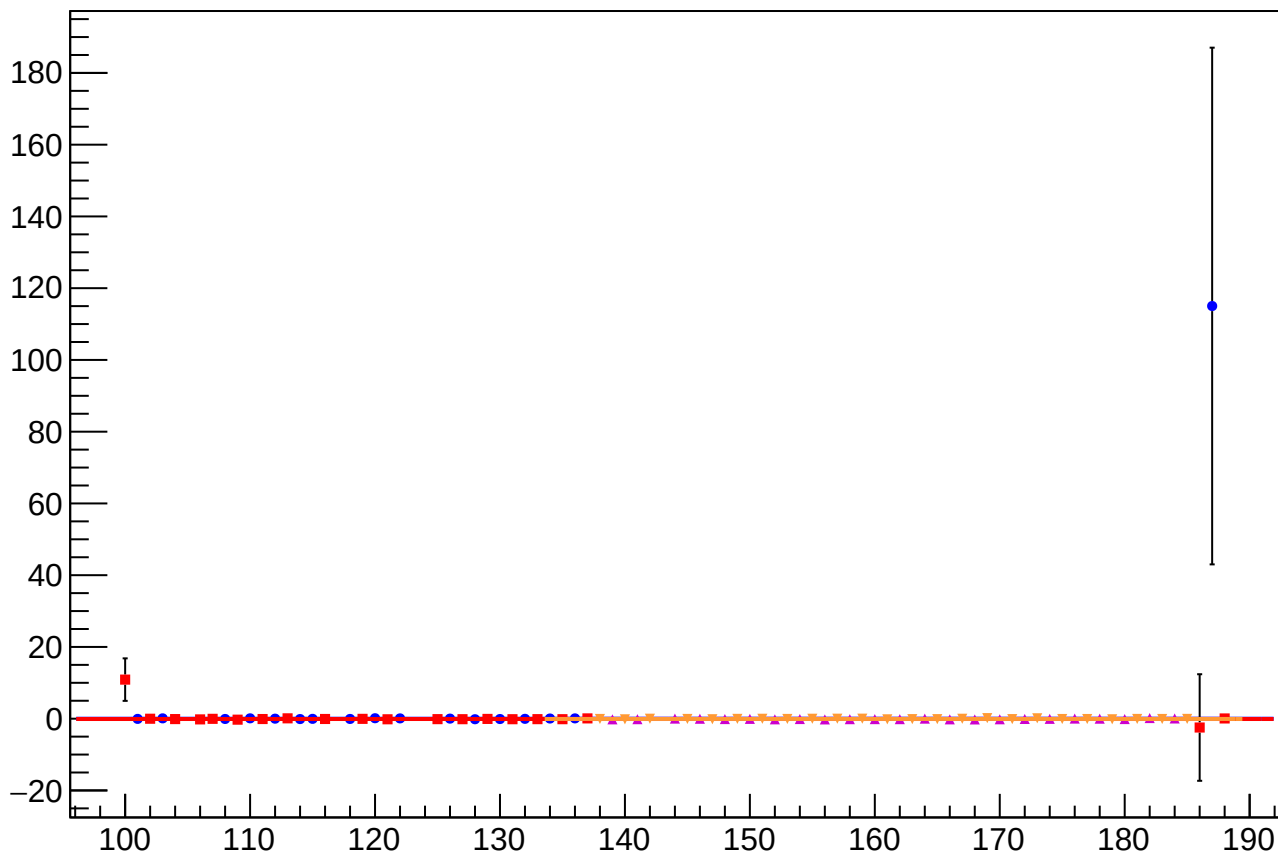
Right: 0.485+/-0.128 χ^2/NDF : 18.1/2

In: -0.009+/-0.018 χ^2/NDF : 47.6/23

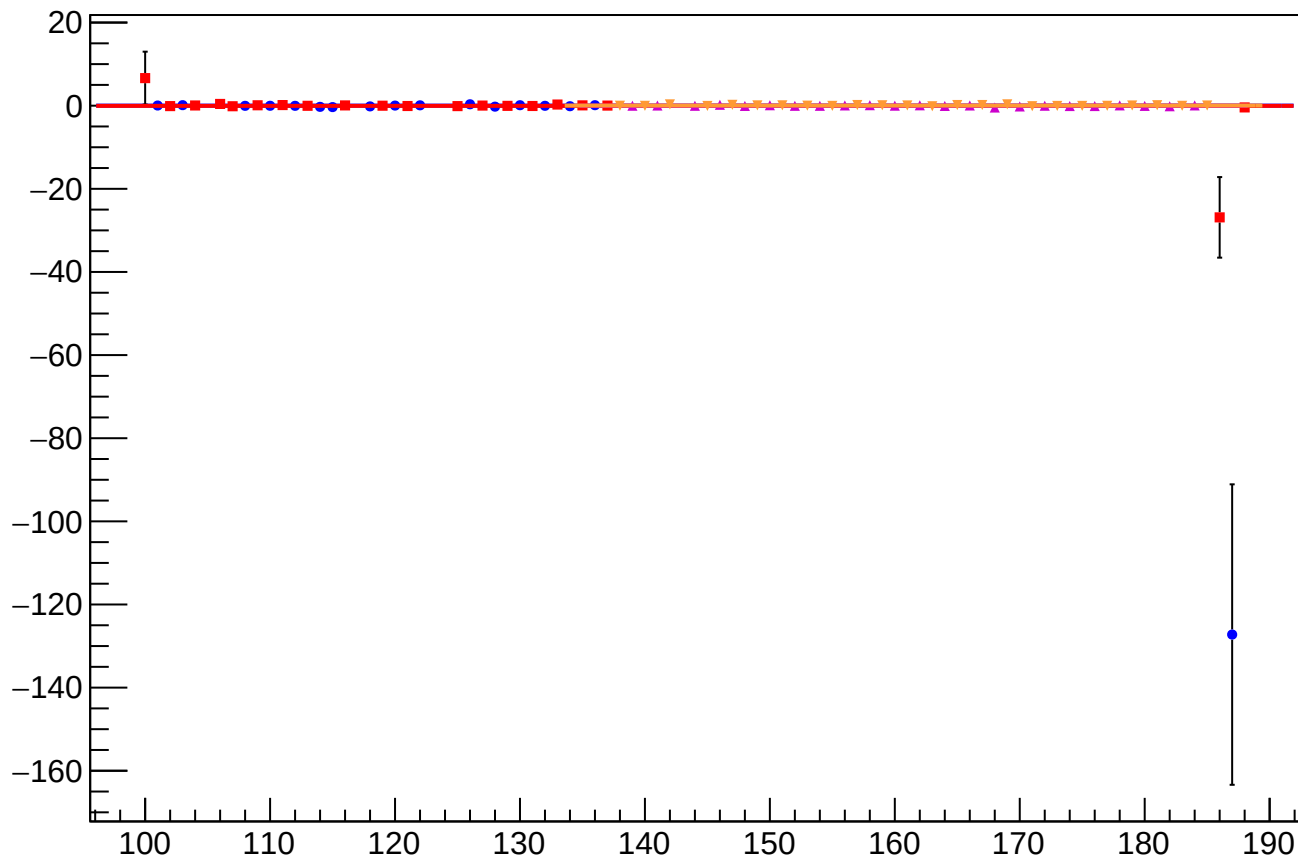
Out: -0.028+/-0.018 χ^2/NDF : 57.7/25

All: -0.019+/-0.013 χ^2/NDF : 105.9/49

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.043 χ^2 /NDF: 22.0/16

Left Out: 0.036 $\pm$ 0.018 χ^2 /NDF:32.4/23

Right Out: -0.042 $\pm$ 0.041 χ^2 /NDF: 32.7/19

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

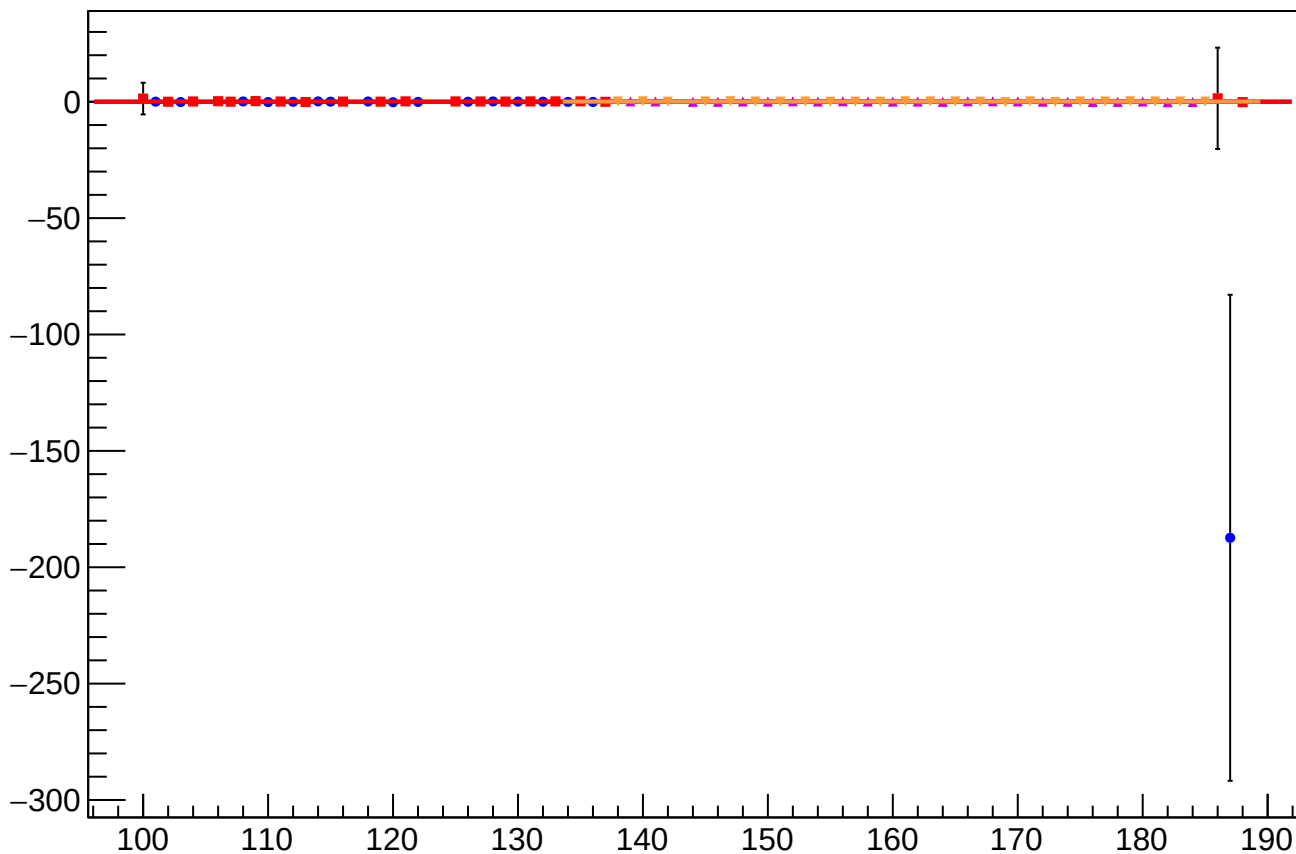
Right: -0.014 $\pm$ 0.030 χ^2 /NDF: 55.7/36

In: -0.006 $\pm$ 0.017 χ^2 /NDF:59.5/39

Out: 0.023 $\pm$ 0.016 χ^2 /NDF:68.1/43

All: 0.009 $\pm$ 0.012 χ^2 /NDF: 129.1/83

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: 0.108+/-0.029 χ^2 /NDF: 8.7/19

Left In: 0.071+/-0.016 χ^2 /NDF:44.0/22

Left: 0.079+/-0.011 χ^2 /NDF: 72.1/46

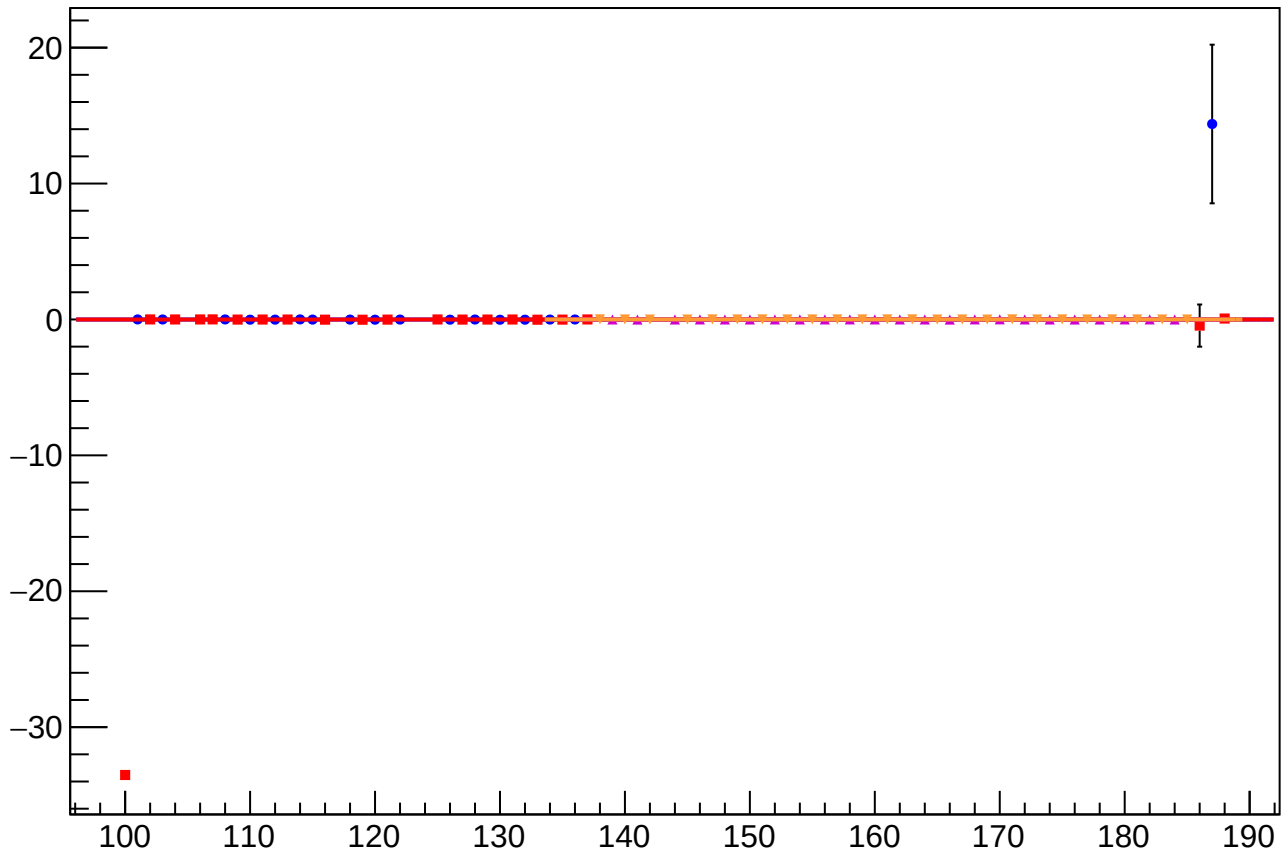
Right: 0.054+/-0.020 χ^2 /NDF: 30.6/36

In: 0.054+/-0.014 χ^2 /NDF:63.5/39

Out: 0.091+/-0.014 χ^2 /NDF:36.9/43

All: 0.073+/-0.010 χ^2 /NDF: 103.9/83

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 28.7/16

Left Out: 0.000 $\pm$ 0.001 χ^2 /NDF:23.9/23

Right Out: -0.005 $\pm$ 0.001 χ^2 /NDF: 26532.8/19

Left In: 0.000 $\pm$ 0.001 χ^2 /NDF:22.4/22

Left: 0.000 $\pm$ 0.001 χ^2 /NDF: 46.3/46

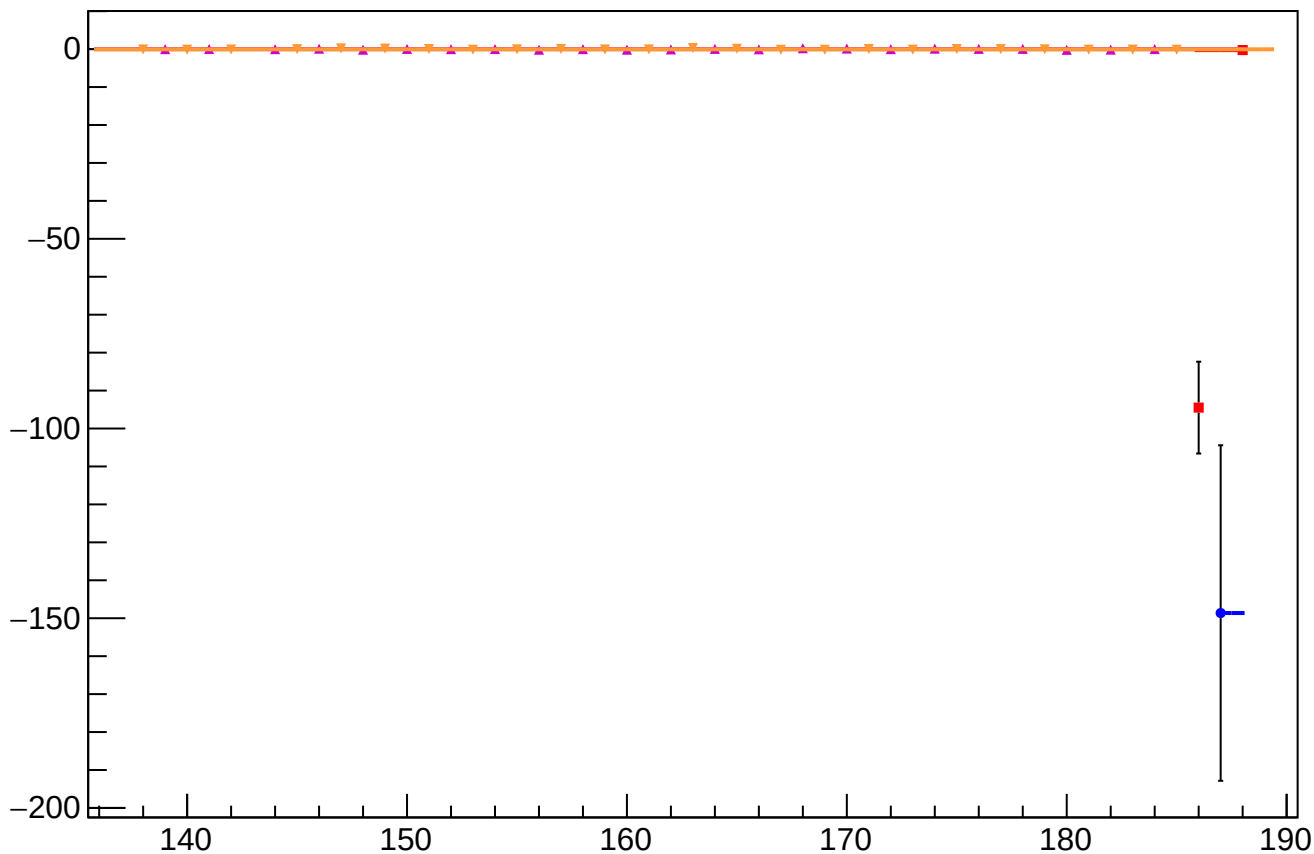
Right: -0.005 $\pm$ 0.001 χ^2 /NDF: 26561.5/36

In: -0.001 $\pm$ 0.001 χ^2 /NDF:63.2/39

Out: -0.001 $\pm$ 0.001 χ^2 /NDF:26568.6/43

All: -0.001 $\pm$ 0.000 χ^2 /NDF: 26631.8/83

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: -0.267+/-0.128 χ^2/NDF : 60.7/1

Left In: -0.010+/-0.018 χ^2/NDF : 33.3/22

Left: -0.031+/-0.013 χ^2/NDF : 73.3/46

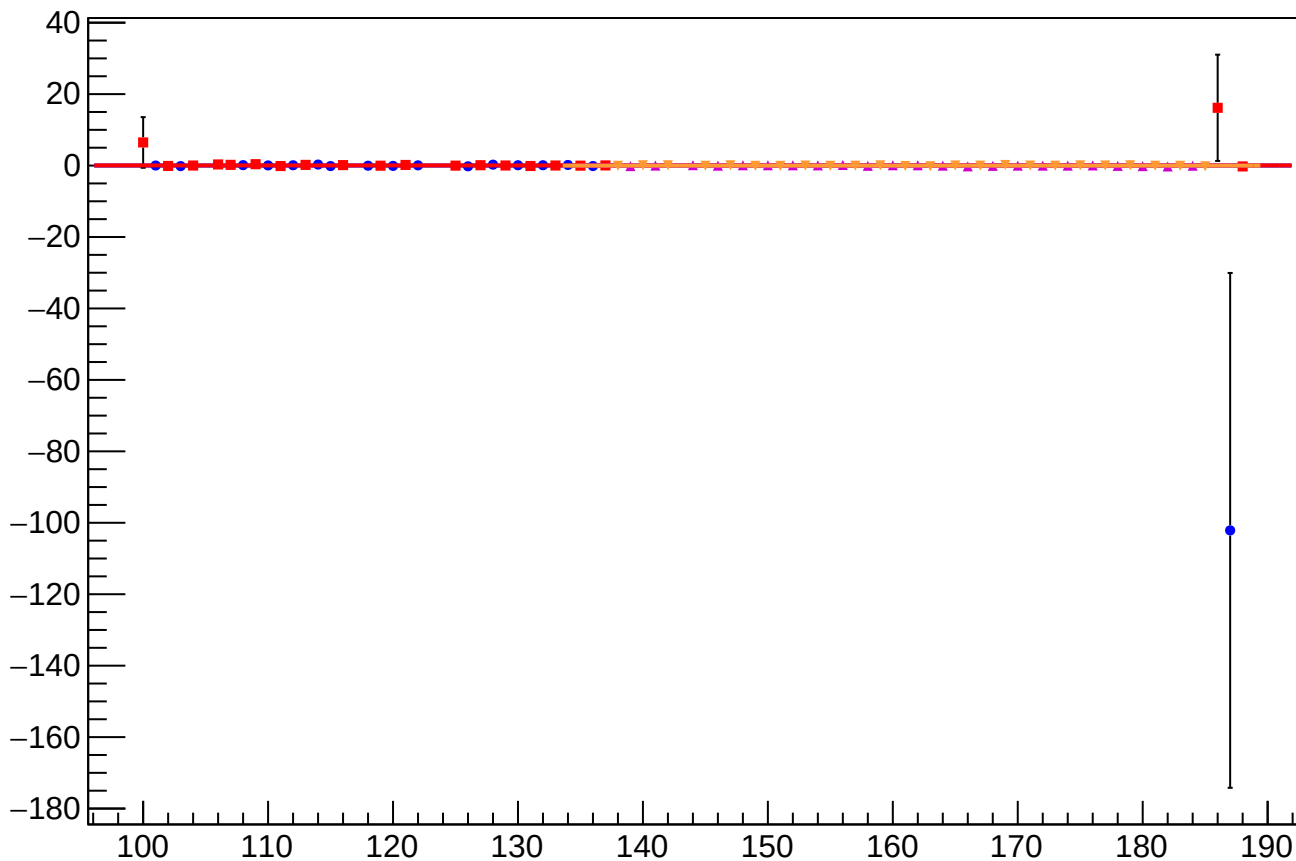
Right: -0.268+/-0.128 χ^2/NDF : 71.9/2

In: -0.010+/-0.018 χ^2/NDF : 44.6/23

Out: -0.056+/-0.018 χ^2/NDF : 100.7/25

All: -0.033+/-0.013 χ^2/NDF : 148.6/49

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: 0.036 $\pm$ 0.025 χ^2 /NDF: 30.9/19

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

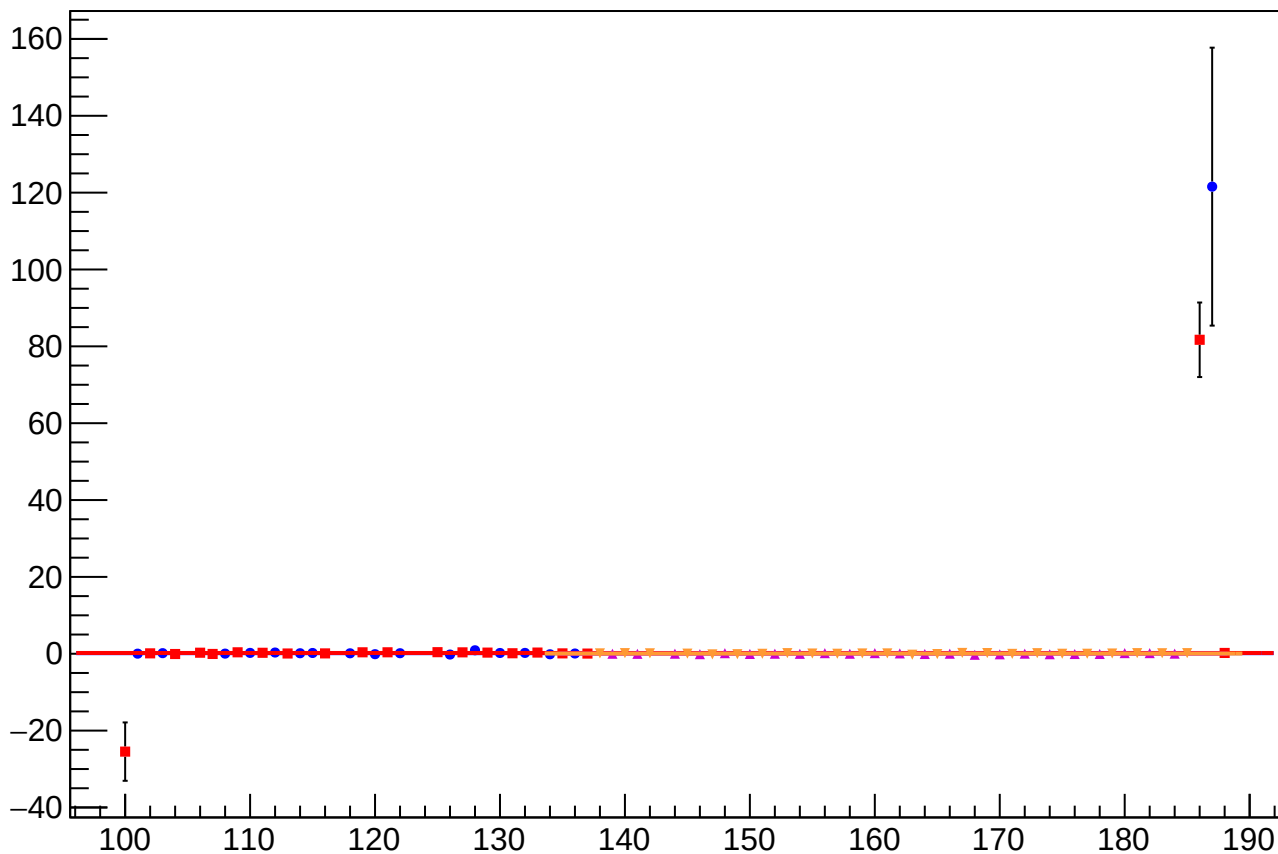
Right: 0.023 $\pm$ 0.017 χ^2 /NDF: 58.9/36

In: 0.006 $\pm$ 0.012 χ^2 /NDF:77.8/39

Out: 0.001 $\pm$ 0.012 χ^2 /NDF:63.0/43

All: 0.003 $\pm$ 0.009 χ^2 /NDF: 140.9/83

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: 0.204 $\pm$ 0.041 χ^2 /NDF: 93.5/19

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

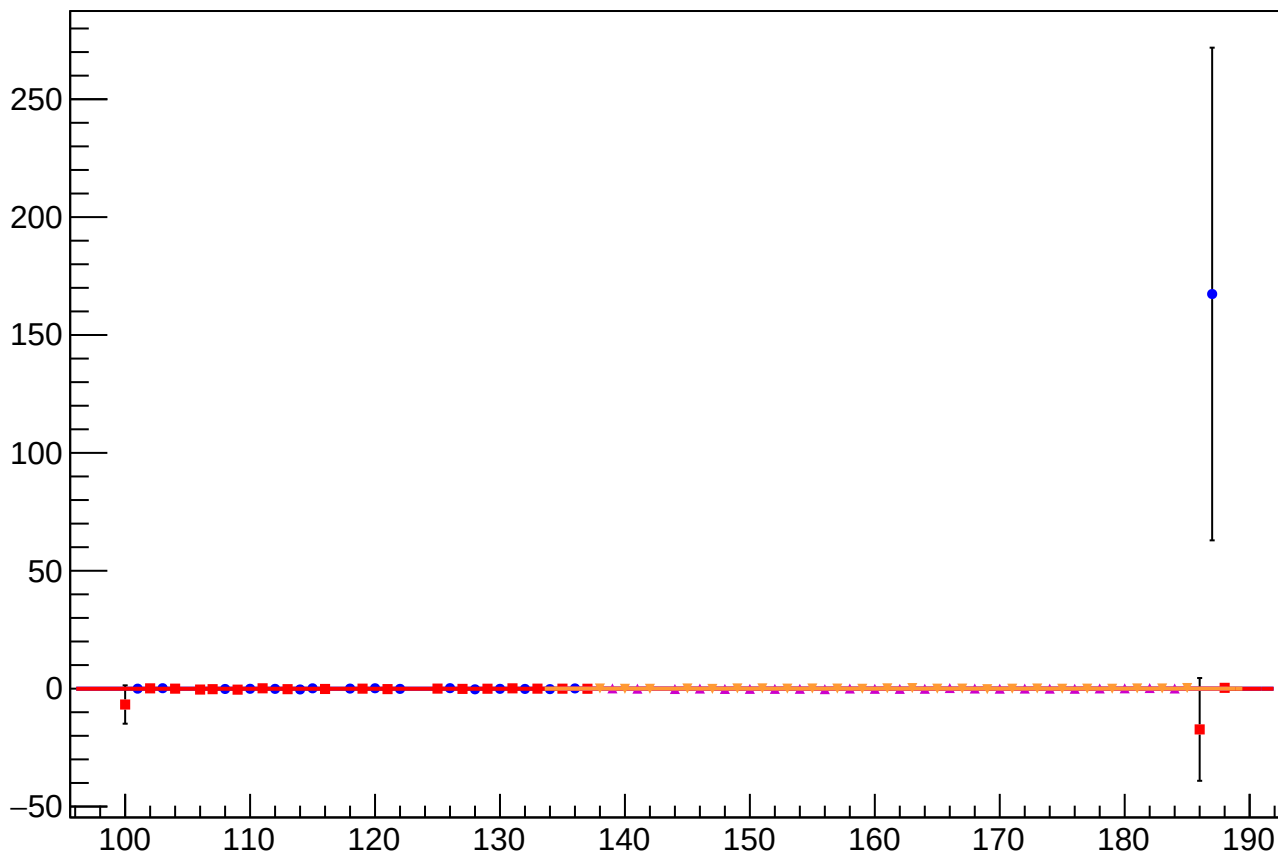
Right: 0.179 $\pm$ 0.030 χ^2 /NDF: 134.3/36

In: 0.041 $\pm$ 0.017 χ^2 /NDF:82.0/39

Out: 0.073 $\pm$ 0.016 χ^2 /NDF:140.9/43

All: 0.057 $\pm$ 0.012 χ^2 /NDF: 224.7/83

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: -0.046 ± 0.028 χ^2/NDF : 28.0/19

Left In: 0.007 ± 0.016 χ^2/NDF : 50.7/22

Left: 0.014 ± 0.011 χ^2/NDF : 84.2/46

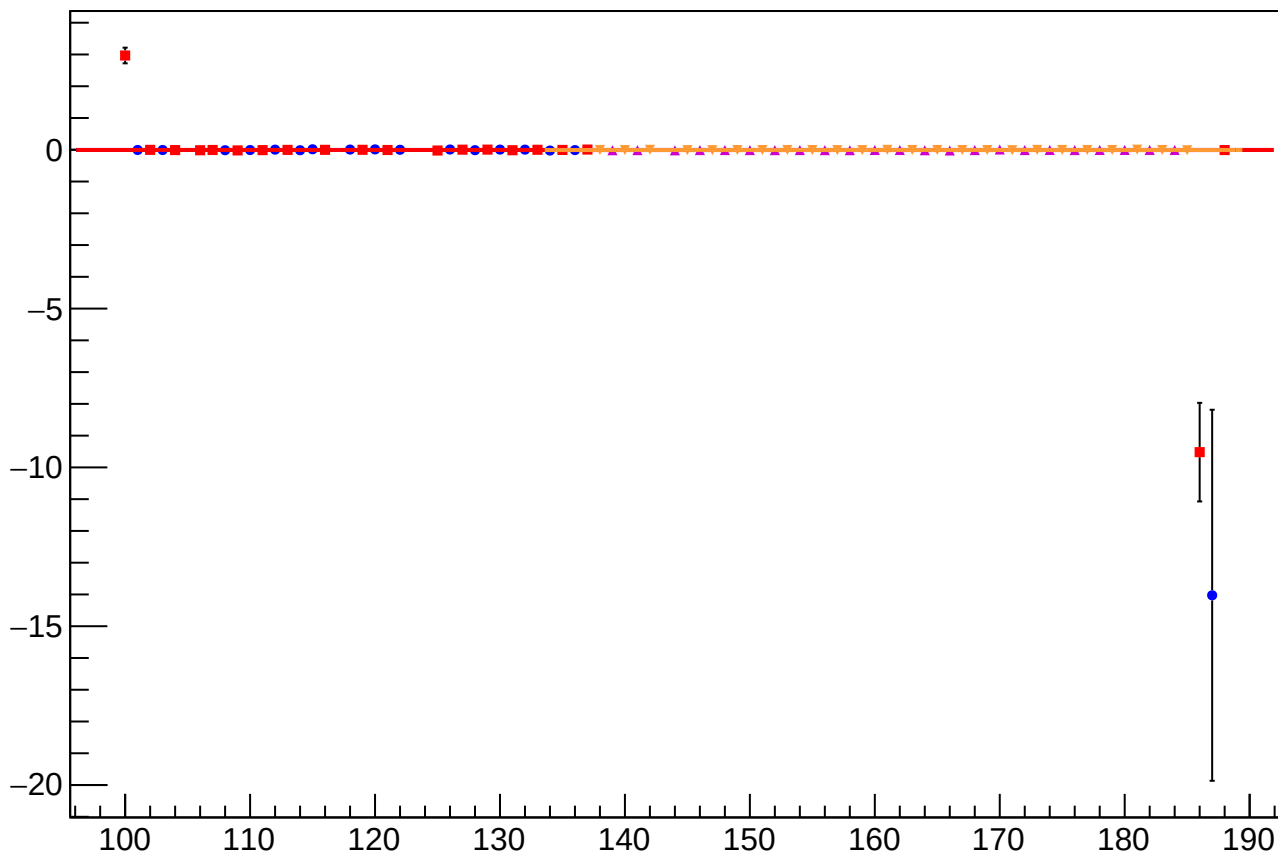
Right: -0.029 ± 0.020 χ^2/NDF : 56.4/36

In: 0.002 ± 0.014 χ^2/NDF : 78.8/39

Out: 0.005 ± 0.014 χ^2/NDF : 65.4/43

All: 0.003 ± 0.010 χ^2/NDF : 144.3/83

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 : 203.5/19

Left In: -0.009+/-0.001 χ^2/NDF : 39.2/22

Left: -0.008+/-0.001 χ^2/NDF : 71.4/46

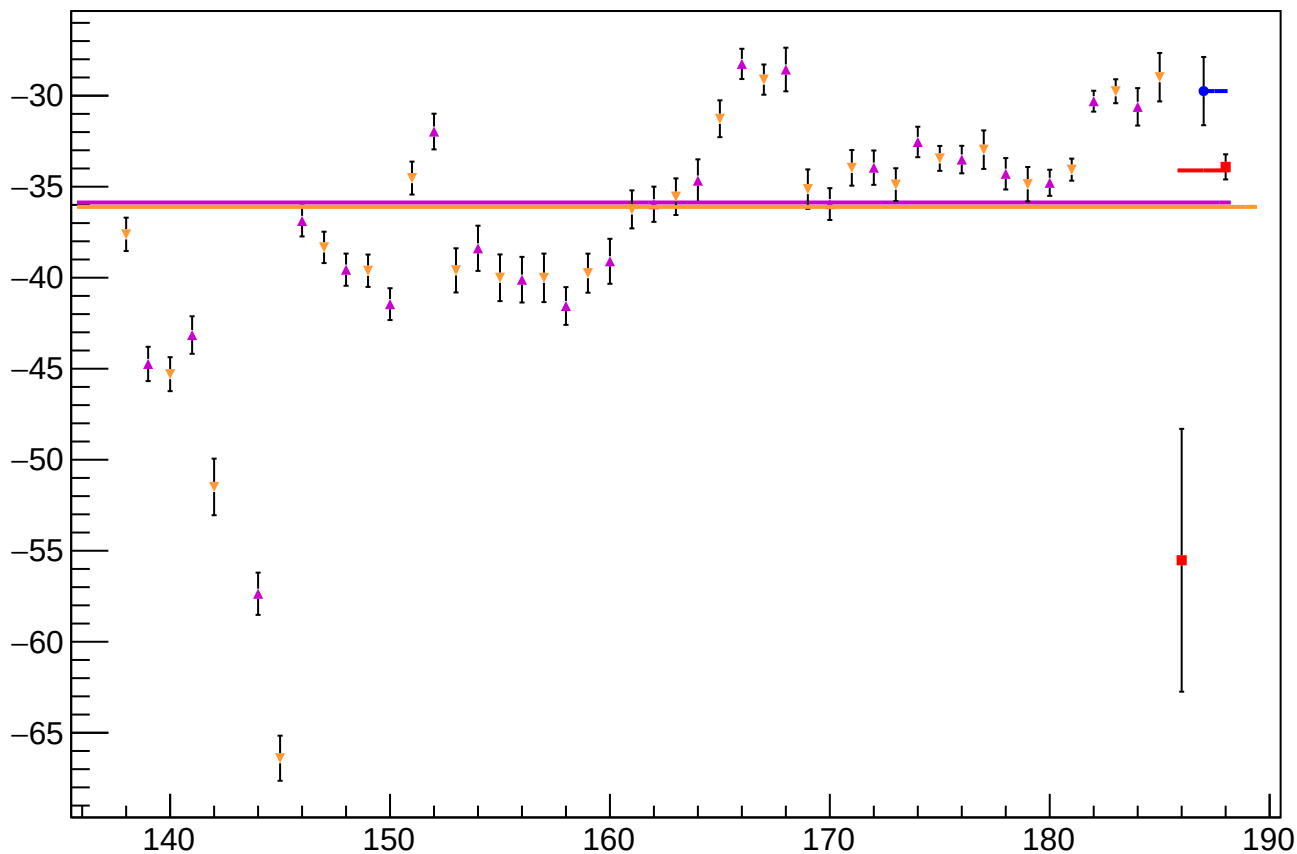
Right: -0.006+/-0.001 χ^2/NDF : 238.2/36

In: -0.008+/-0.001 χ^2/NDF : 76.8/39

Out: -0.008+/-0.001 χ^2/NDF : 237.2/43

All: -0.008+/-0.000 χ^2/NDF : 314.2/83

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -29.748 ± 1.875 χ^2/NDF : 0.0/0

Left Out: -36.110 ± 0.192 χ^2/NDF : 1118.4/23

Right Out: -34.106 ± 0.687 χ^2/NDF : 8.9/1

Left In: -35.869 ± 0.191 χ^2/NDF : 887.1/22

Left: -35.989 ± 0.135 χ^2/NDF : 2006.3/46

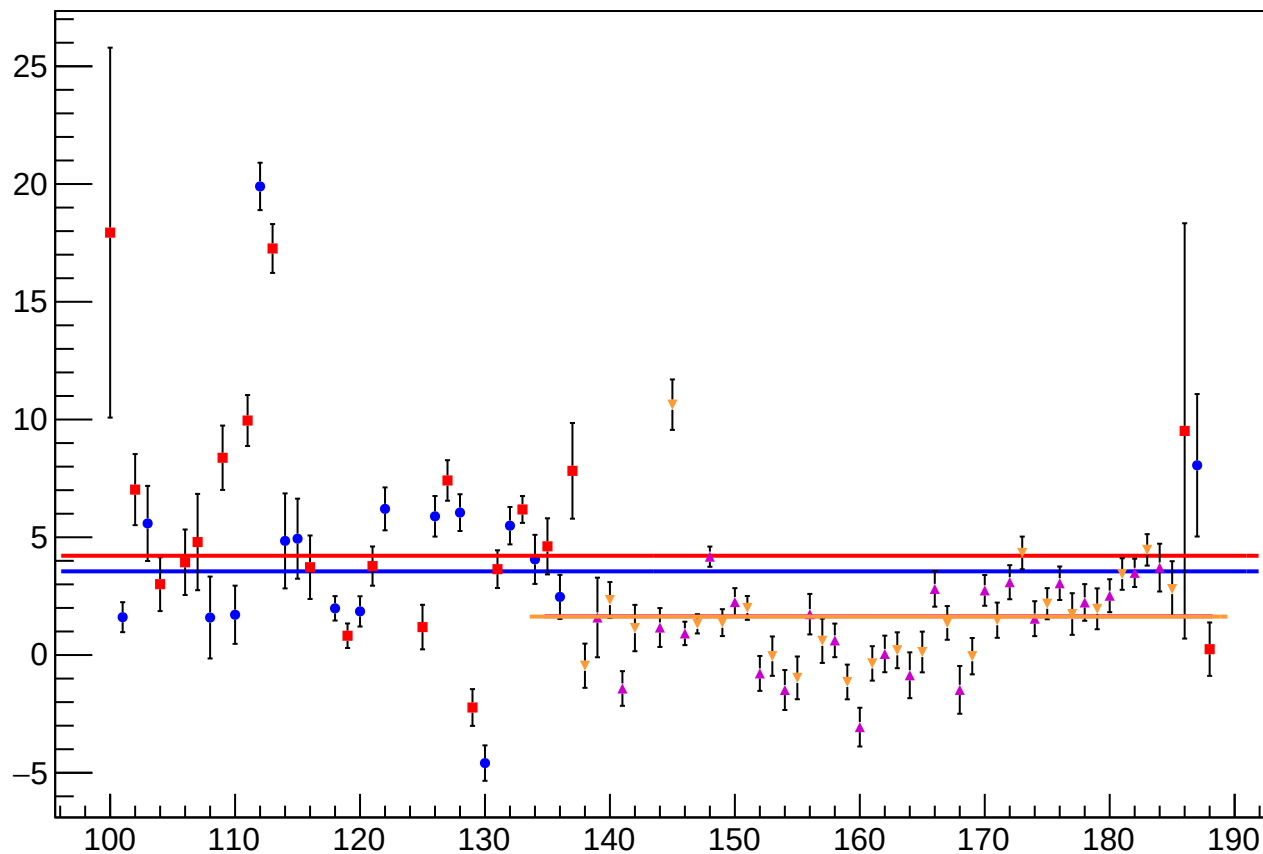
Right: -33.590 ± 0.645 χ^2/NDF : 13.6/2

In: -35.806 ± 0.190 χ^2/NDF : 897.7/23

Out: -35.965 ± 0.185 χ^2/NDF : 1135.2/25

All: -35.888 ± 0.132 χ^2/NDF : 2033.2/49

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.553 ± 0.217 $\chi^2/\text{NDF}: 448.8/16$

Left Out: 1.632 ± 0.148 $\chi^2/\text{NDF}: 166.7/23$

Right Out: 4.216 ± 0.221 $\chi^2/\text{NDF}: 366.9/19$

Left In: 1.646 ± 0.149 $\chi^2/\text{NDF}: 164.1/22$

Left: 1.639 ± 0.105 $\chi^2/\text{NDF}: 330.7/46$

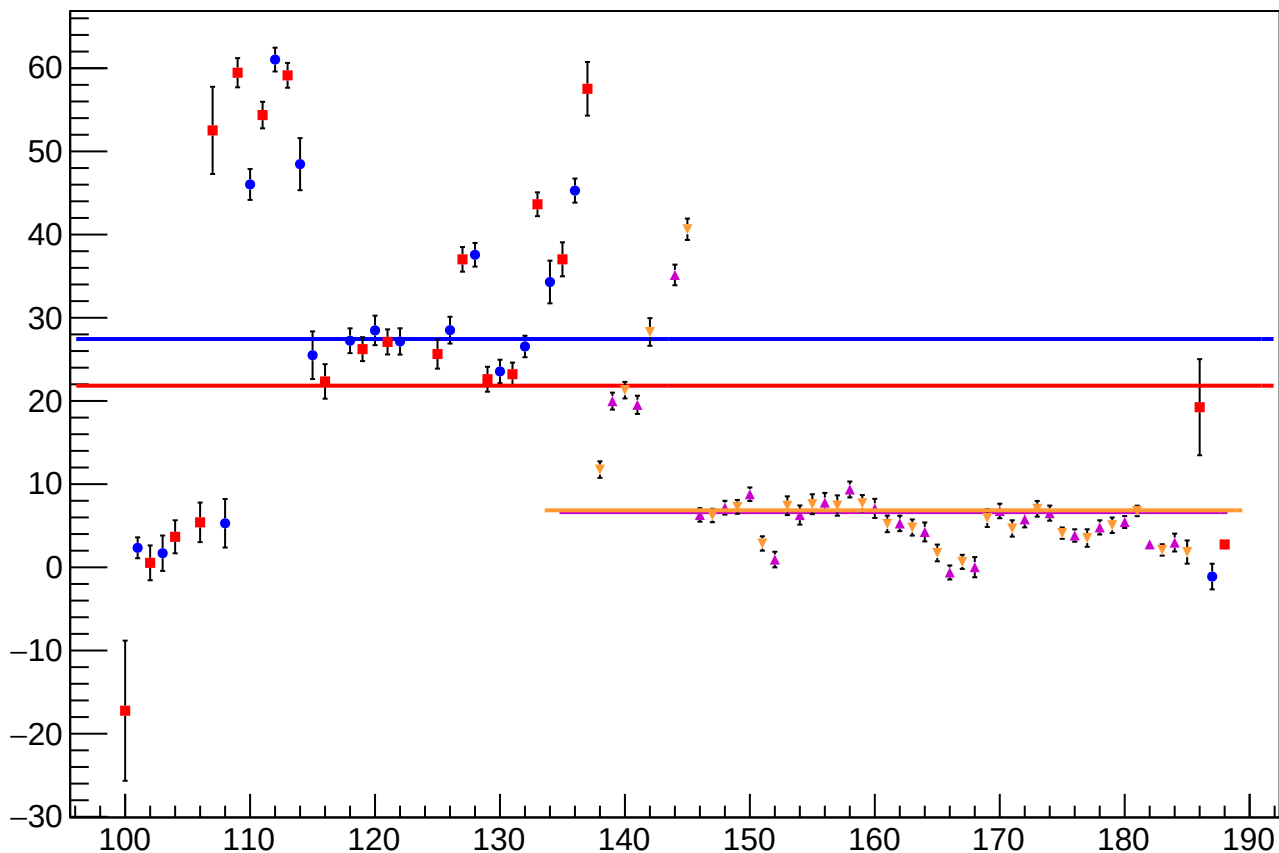
Right: 3.878 ± 0.155 $\chi^2/\text{NDF}: 820.3/36$

In: 2.258 ± 0.123 $\chi^2/\text{NDF}: 665.4/39$

Out: 2.430 ± 0.123 $\chi^2/\text{NDF}: 628.0/43$

All: 2.344 ± 0.087 $\chi^2/\text{NDF}: 1294.5/83$

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.446 $\pm$ 0.402 χ^2 /NDF: 1863.5/16

Left Out: 6.855 $\pm$ 0.191 χ^2 /NDF:1298.7/23

Right Out: 21.835 $\pm$ 0.336 χ^2 /NDF: 3504.6/19

Left In: 6.639 $\pm$ 0.190 χ^2 /NDF:1077.2/22

Left: 6.746 $\pm$ 0.135 χ^2 /NDF: 2376.6/46

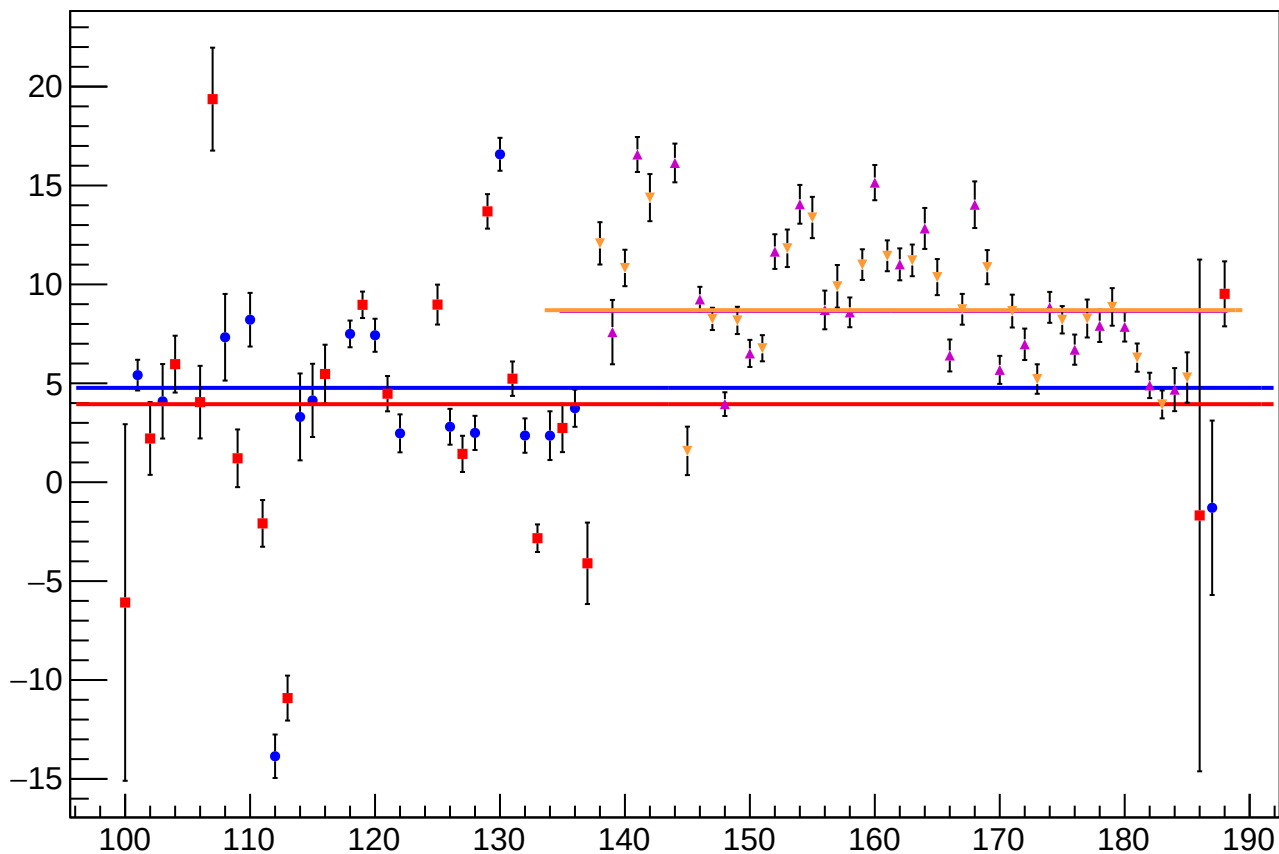
Right: 24.144 $\pm$ 0.258 χ^2 /NDF: 5482.6/36

In: 10.426 $\pm$ 0.172 χ^2 /NDF:5128.8/39

Out: 10.518 $\pm$ 0.166 χ^2 /NDF:6301.4/43

All: 10.473 $\pm$ 0.119 χ^2 /NDF: 11430.3/83

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: 3.945 $\pm$ 0.256 χ^2 /NDF: 579.6/19

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

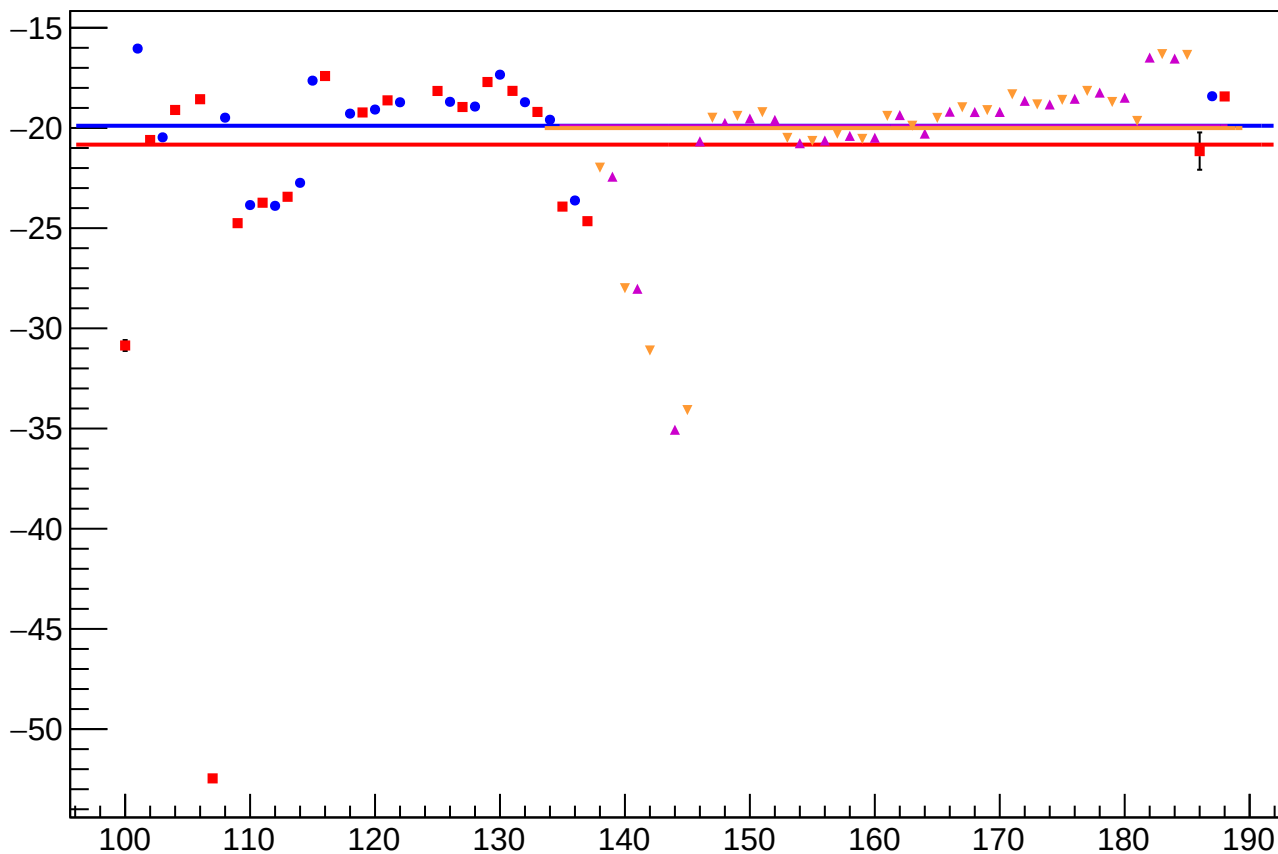
Right: 4.365 $\pm$ 0.179 χ^2 /NDF: 1140.7/36

In: 7.437 $\pm$ 0.141 χ^2 /NDF:1158.8/39

Out: 7.253 $\pm$ 0.141 χ^2 /NDF:1061.1/43

All: 7.345 $\pm$ 0.100 χ^2 /NDF: 2220.9/83

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.889 $\pm$ 0.016 χ^2 /NDF: 26109.0/16

Left Out: -20.007 $\pm$ 0.008 χ^2 /NDF:171647.2/23

Right Out: -20.831 $\pm$ 0.015 χ^2 /NDF: 95159.2/19

Left In: -19.912 $\pm$ 0.008 χ^2 /NDF:145487.3/22

Left: -19.959 $\pm$ 0.006 χ^2 /NDF: 317207.1/46

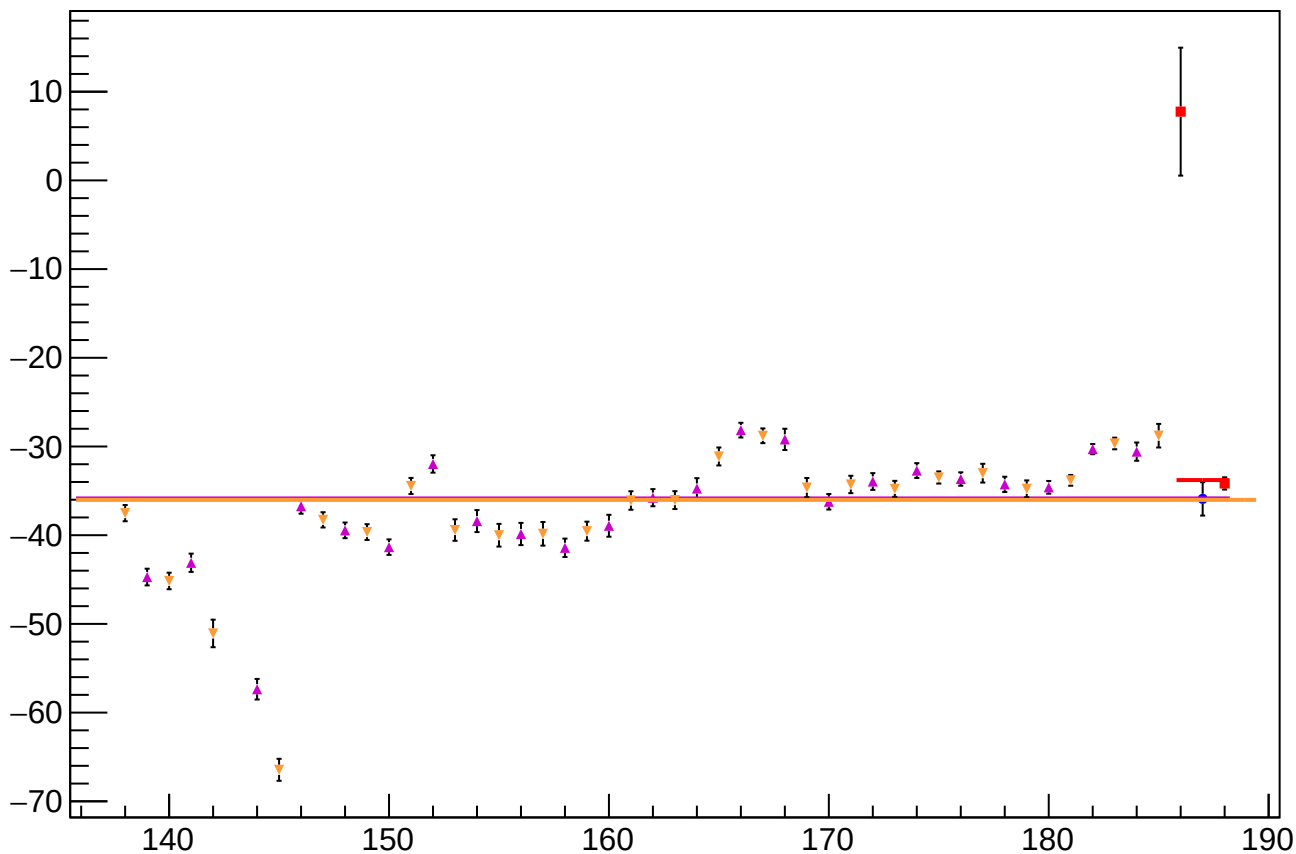
Right: -20.365 $\pm$ 0.011 χ^2 /NDF: 123125.1/36

In: -19.908 $\pm$ 0.007 χ^2 /NDF:171598.0/39

Out: -20.179 $\pm$ 0.007 χ^2 /NDF:269082.8/43

All: -20.042 $\pm$ 0.005 χ^2 /NDF: 441431.7/83

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: -33.784+/-0.687 χ^2/NDF : 33.5/1

Left In: -35.856+/-0.191 χ^2/NDF :875.9/22

Left: -35.937+/-0.135 χ^2/NDF : 2001.6/46

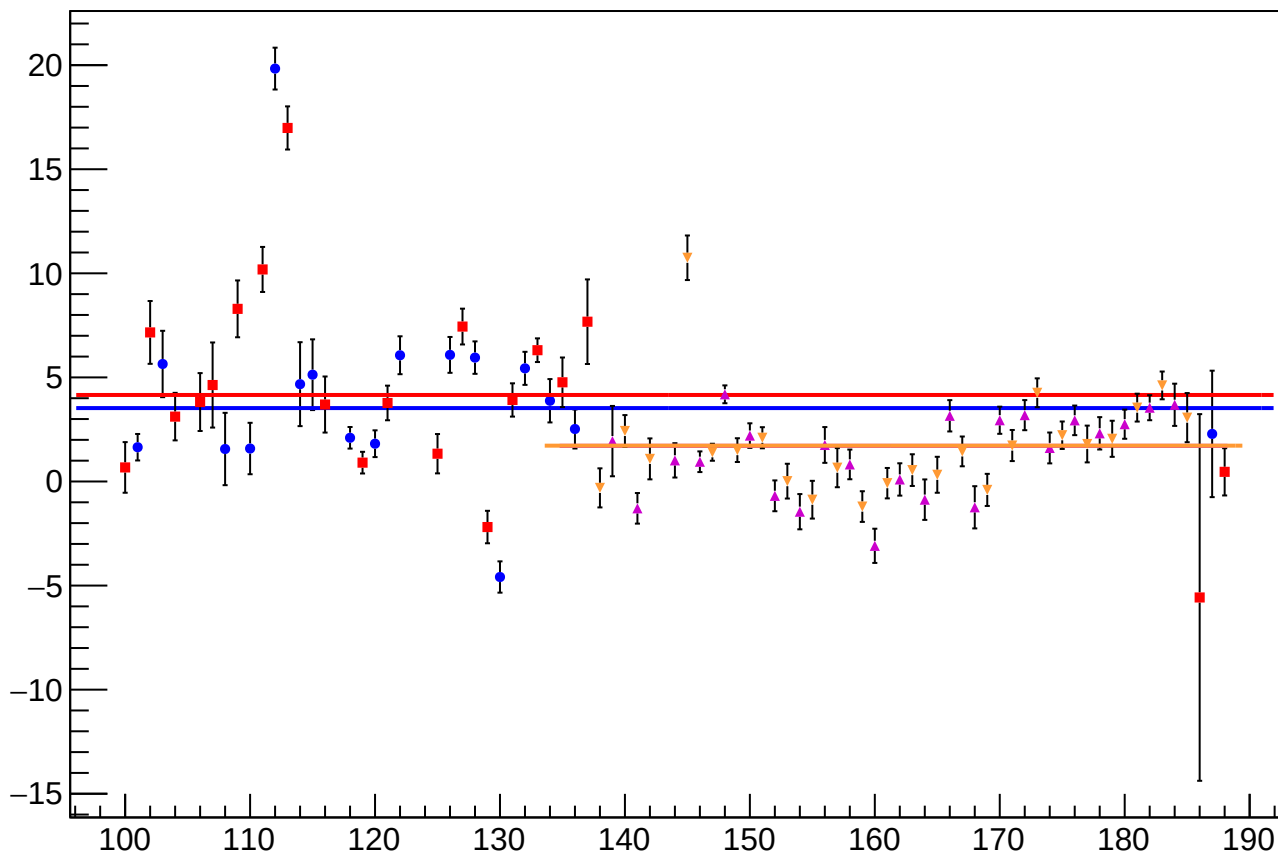
Right: -34.034+/-0.646 χ^2/NDF : 34.6/2

In: -35.856+/-0.190 χ^2/NDF :875.9/23

Out: -35.857+/-0.185 χ^2/NDF :1168.7/25

All: -35.857+/-0.132 χ^2/NDF : 2044.5/49

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: 4.156 ± 0.217 $\chi^2/\text{NDF}: 365.0/19$

Left In: 1.712 ± 0.149 $\chi^2/\text{NDF}: 164.1/22$

Left: 1.717 ± 0.105 $\chi^2/\text{NDF}: 332.4/46$

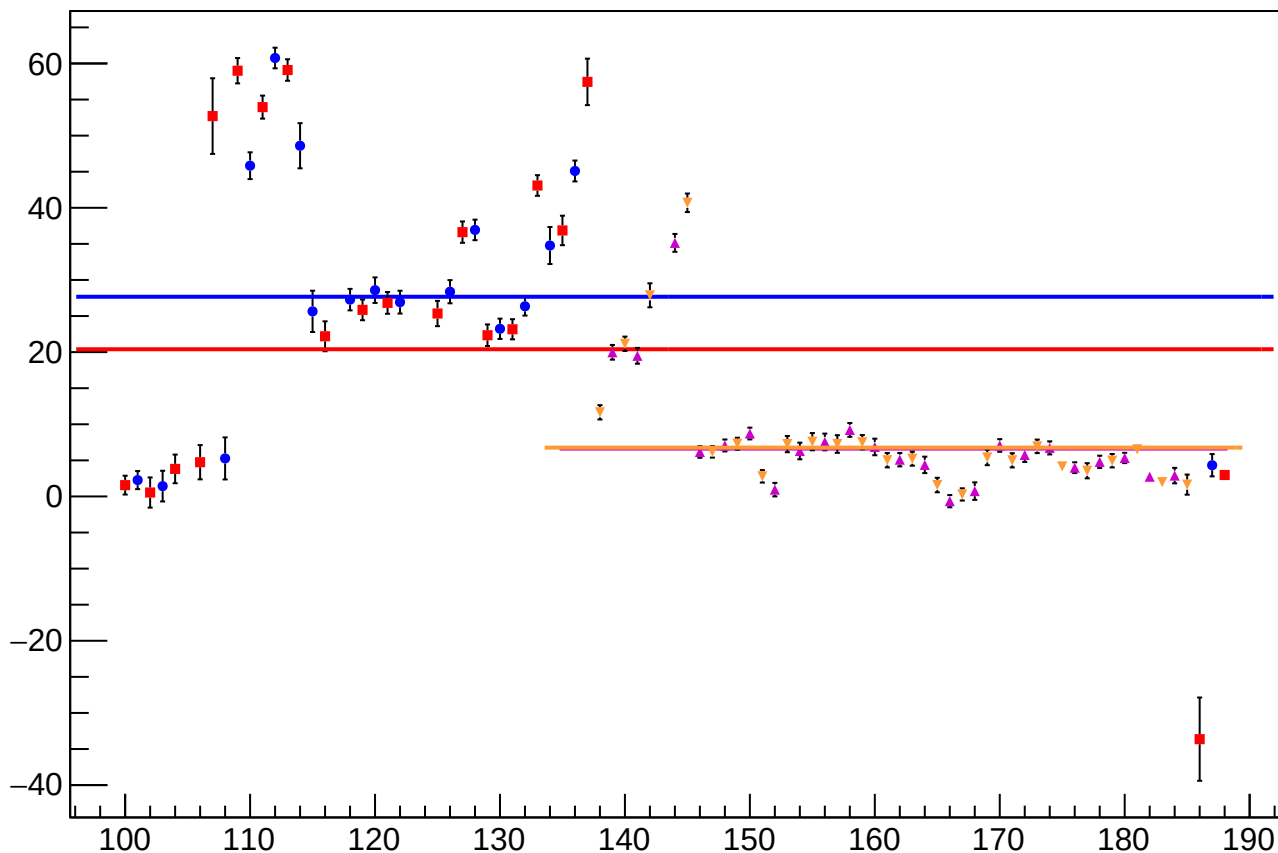
Right: 3.840 ± 0.153 $\chi^2/\text{NDF}: 812.7/36$

In: 2.295 ± 0.123 $\chi^2/\text{NDF}: 655.1/39$

Out: 2.490 ± 0.122 $\chi^2/\text{NDF}: 619.2/43$

All: 2.393 ± 0.087 $\chi^2/\text{NDF}: 1275.6/83$

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: 20.399 $\pm$ 0.326 χ^2 /NDF: 3727.8/19

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

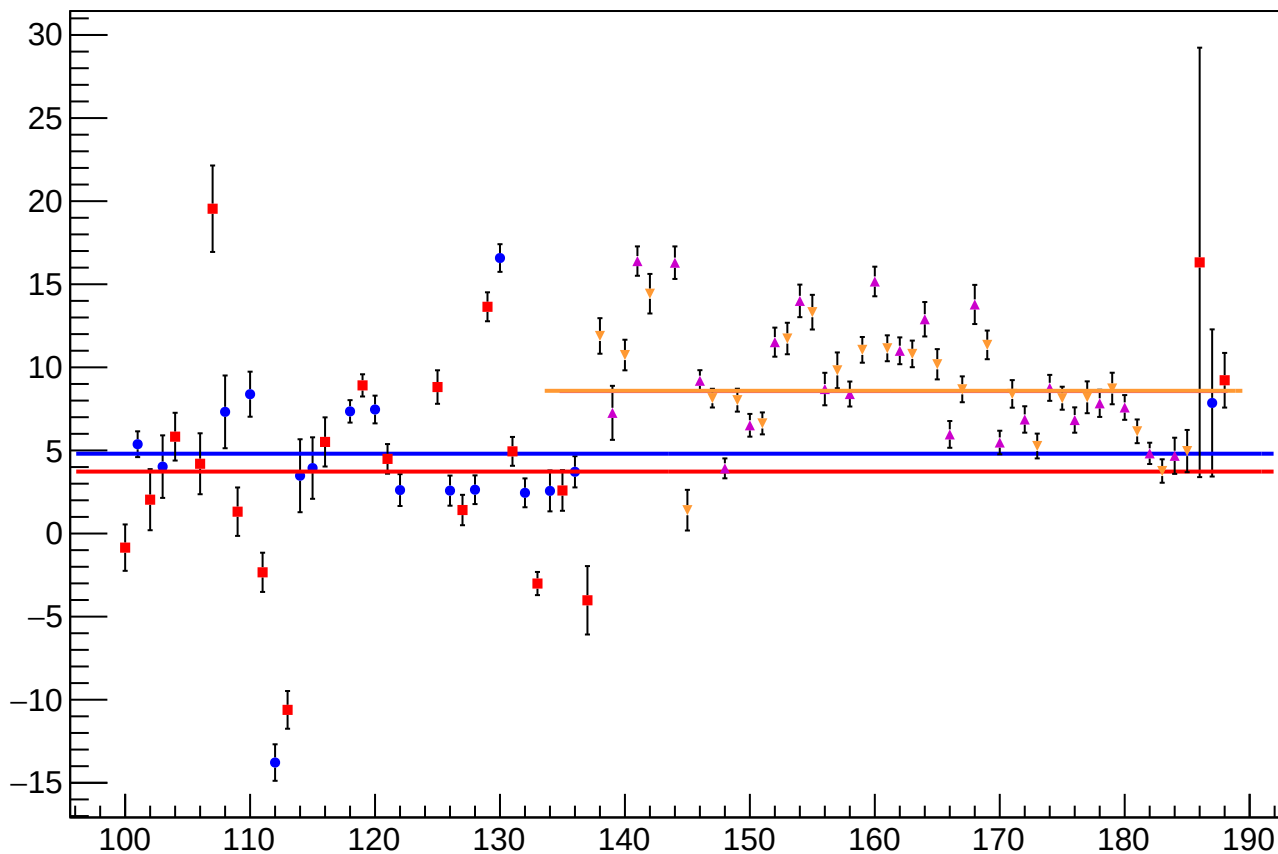
Right: 23.283 $\pm$ 0.253 χ^2 /NDF: 5658.5/36

In: 10.462 $\pm$ 0.172 χ^2 /NDF:5042.6/39

Out: 10.259 $\pm$ 0.165 χ^2 /NDF:6330.3/43

All: 10.357 $\pm$ 0.119 χ^2 /NDF: 11373.6/83

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.804 $\pm$ 0.251 χ^2 /NDF: 550.4/16

Left Out: 8.588 $\pm$ 0.169 χ^2 /NDF:245.6/23

Right Out: 3.728 $\pm$ 0.251 χ^2 /NDF: 585.7/19

Left In: 8.573 $\pm$ 0.170 χ^2 /NDF:443.4/22

Left: 8.581 $\pm$ 0.120 χ^2 /NDF: 689.0/46

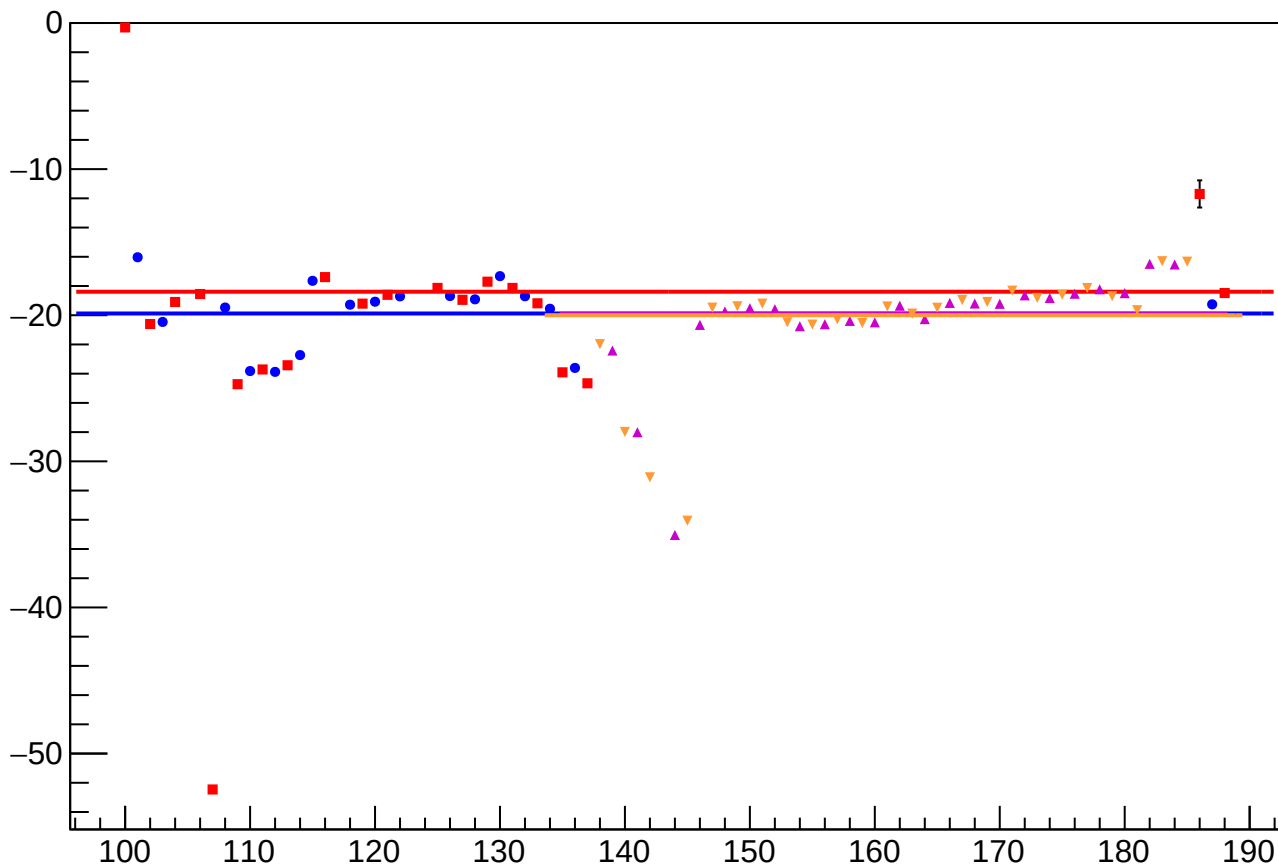
Right: 4.267 $\pm$ 0.178 χ^2 /NDF: 1145.4/36

In: 7.389 $\pm$ 0.140 χ^2 /NDF:1148.9/39

Out: 7.078 $\pm$ 0.140 χ^2 /NDF:1088.9/43

All: 7.233 $\pm$ 0.099 χ^2 /NDF: 2240.3/83

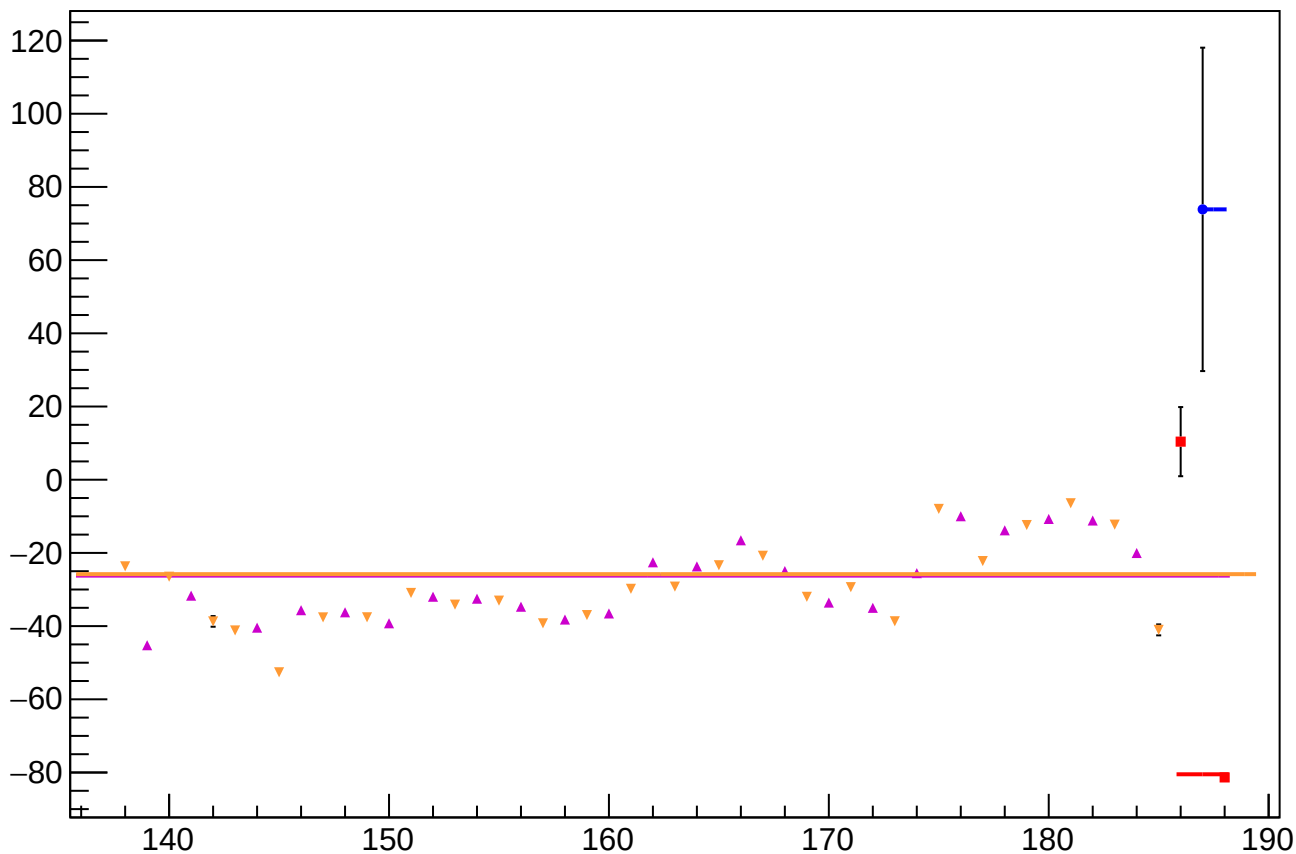
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -18.392 ± 0.014 $\chi^2/\text{NDF}: 301301.0/19$
 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: -19.083 ± 0.011 $\chi^2/\text{NDF}: 332298.5/36$
 In: -19.900 ± 0.007 $\chi^2/\text{NDF}: 171418.4/39$
 Out: -19.630 ± 0.007 $\chi^2/\text{NDF}: 482664.6/43$
 All: -19.764 ± 0.005 $\chi^2/\text{NDF}: 654835.0/83$

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



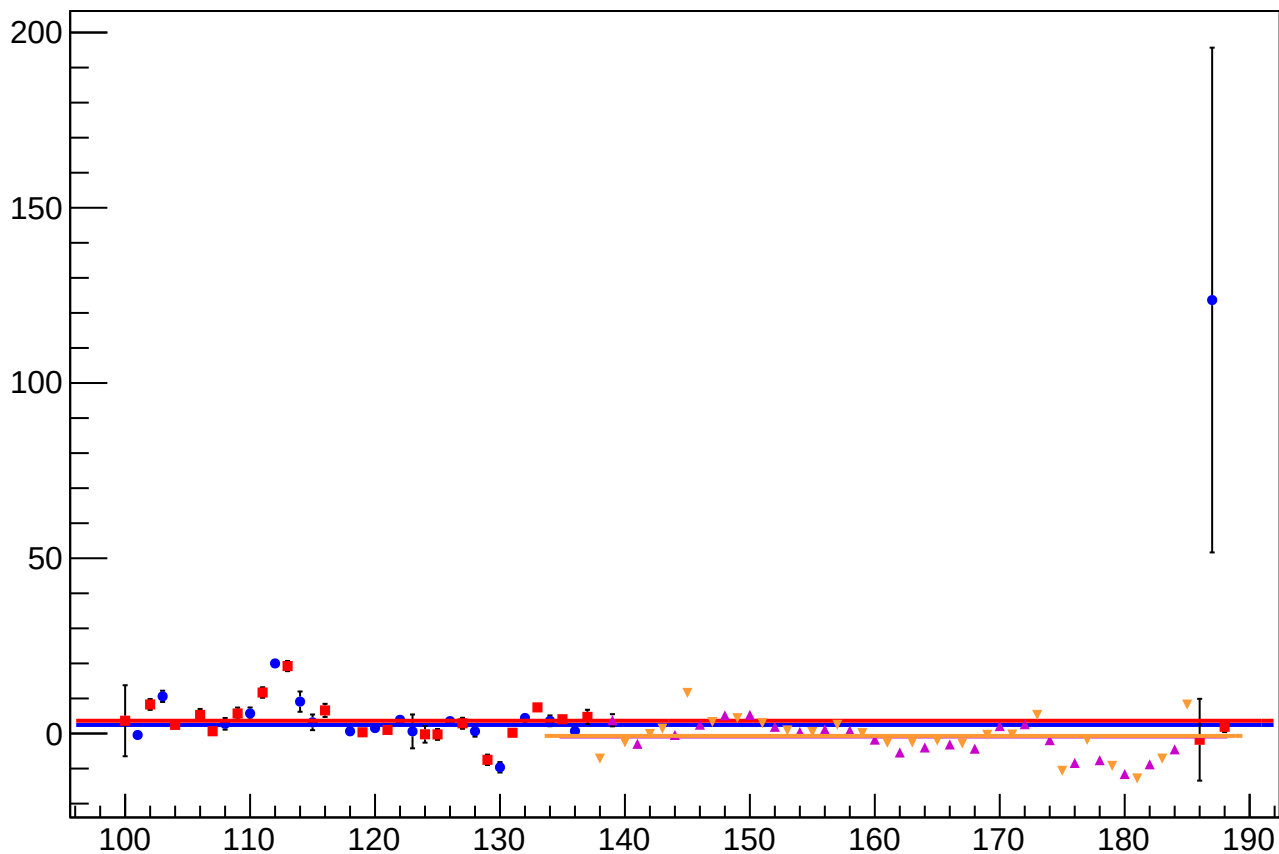
Right In: 73.867+/-44.183 χ^2/NDF : 0.0/0
 Left Out: -25.804+/-0.192 χ^2/NDF : 4127.8/24
 Right Out: -80.485+/-0.915 χ^2/NDF : 93.4/1
 Left In: -26.204+/-0.194 χ^2/NDF : 3377.8/22

Left: -26.002+/-0.137 χ^2/NDF : 7507.7/47
 Right: -80.419+/-0.915 χ^2/NDF : 105.6/2

In: -26.202+/-0.194 χ^2/NDF : 3382.9/23
 Out: -28.114+/-0.188 χ^2/NDF : 7639.6/26

All: -27.187+/-0.135 χ^2/NDF : 11072.6/50

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.446+/-0.311 χ^2/NDF : 298.1/17
 Left Out: -0.681+/-0.147 χ^2/NDF :1314.3/24
 Right Out: 3.642+/-0.319 χ^2/NDF : 270.7/20
 Left In: -0.842+/-0.150 χ^2/NDF :1071.6/22

Left: -0.760+/-0.105 χ^2/NDF : 2386.5/47
 Right: 3.028+/-0.223 χ^2/NDF : 576.0/38
 In: -0.221+/-0.135 χ^2/NDF :1460.4/40
 Out: 0.072+/-0.133 χ^2/NDF :1736.2/45
 All: -0.073+/-0.095 χ^2/NDF : 3199.0/86

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: 92.202 $\pm$ 0.462 χ^2 /NDF: 2459.6/20

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

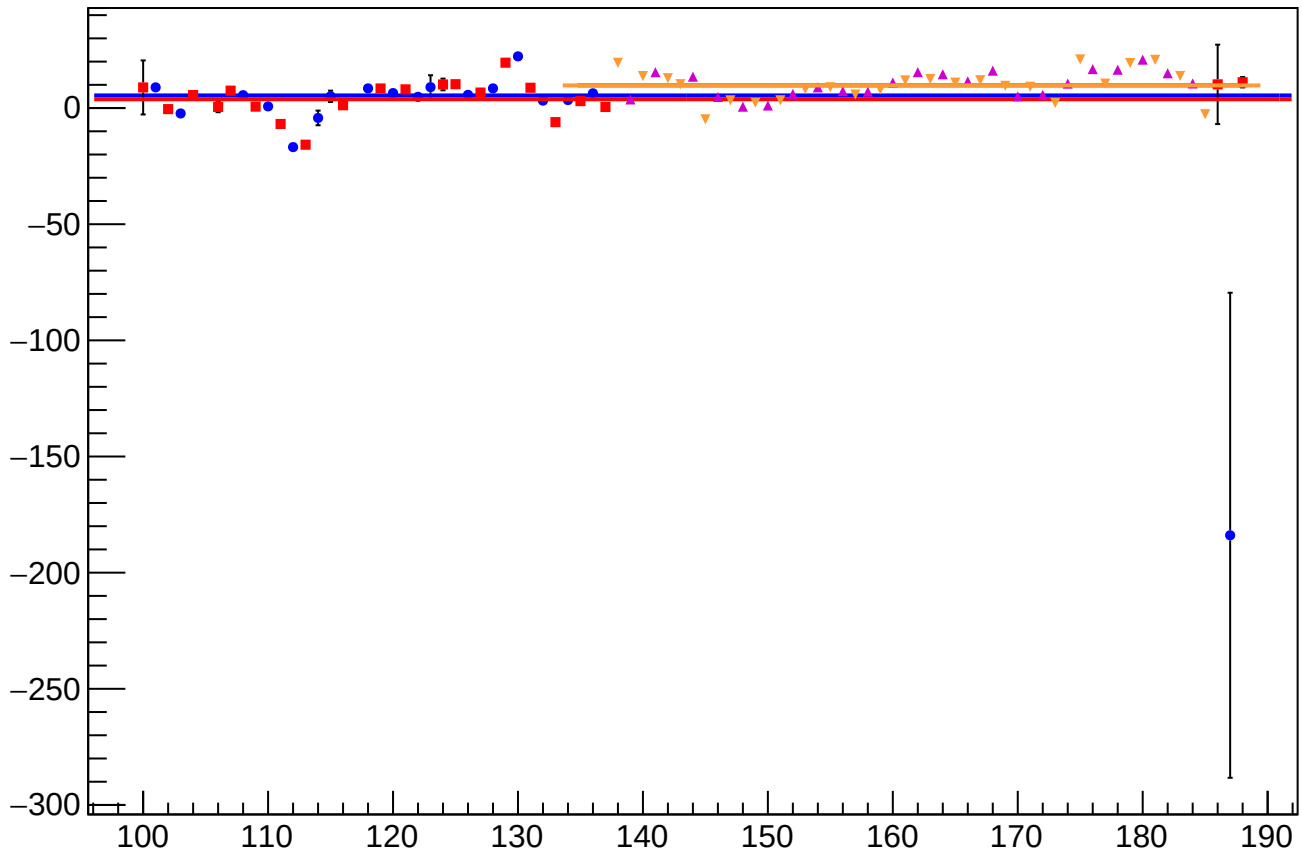
Right: 86.041 $\pm$ 0.360 χ^2 /NDF: 5172.2/38

In: 57.392 $\pm$ 0.183 χ^2 /NDF: 7328.5/40

Out: 60.475 $\pm$ 0.177 χ^2 /NDF: 12519.0/45

All: 58.981 $\pm$ 0.127 χ^2 /NDF: 19994.2/86

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: 3.795 $\pm$ 0.370 χ^2 /NDF: 434.4/20

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

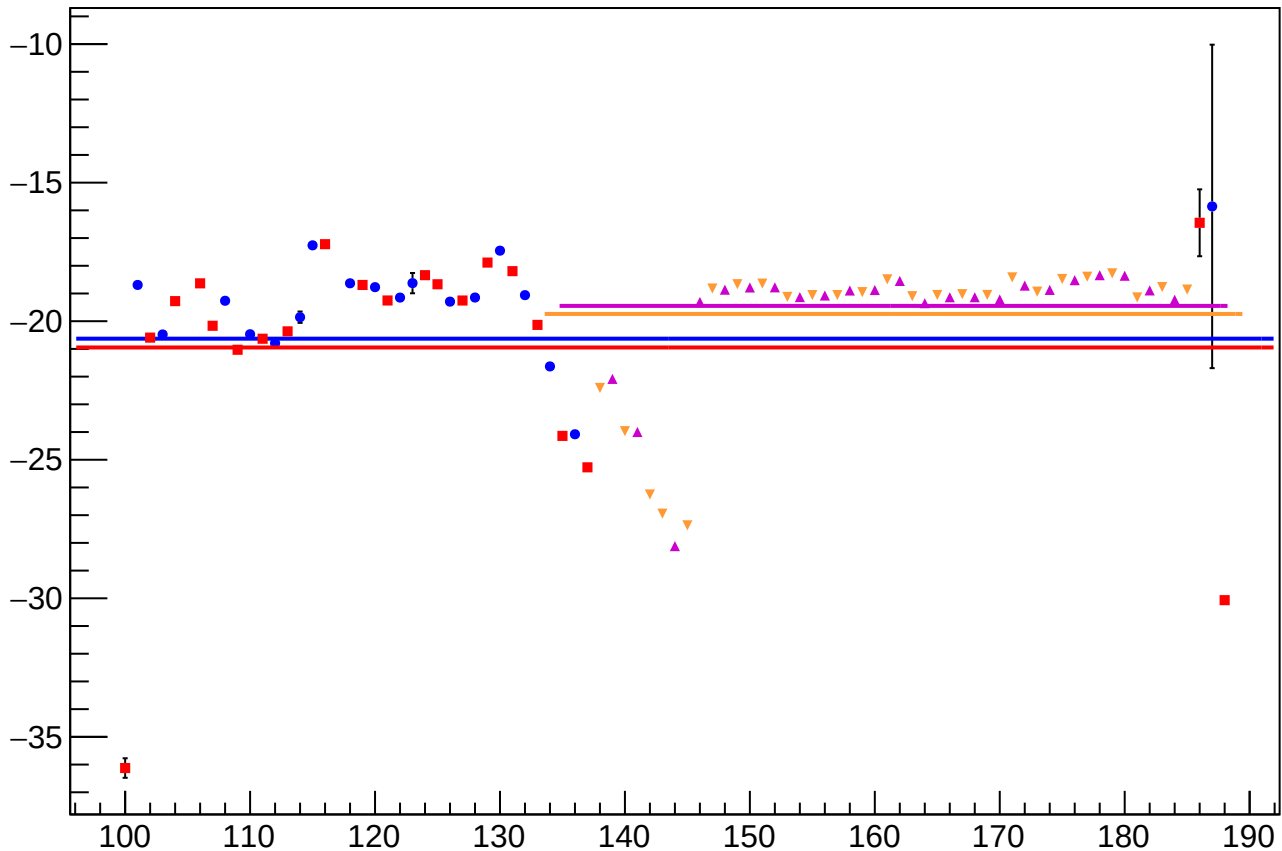
Right: 4.646 $\pm$ 0.257 χ^2 /NDF: 835.4/38

In: 8.965 $\pm$ 0.154 χ^2 /NDF:1676.0/40

Out: 8.731 $\pm$ 0.153 χ^2 /NDF:2098.3/45

All: 8.847 $\pm$ 0.109 χ^2 /NDF: 3775.5/86

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: -20.948 $\pm$ 0.019 χ^2 /NDF: 21372.1/20

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

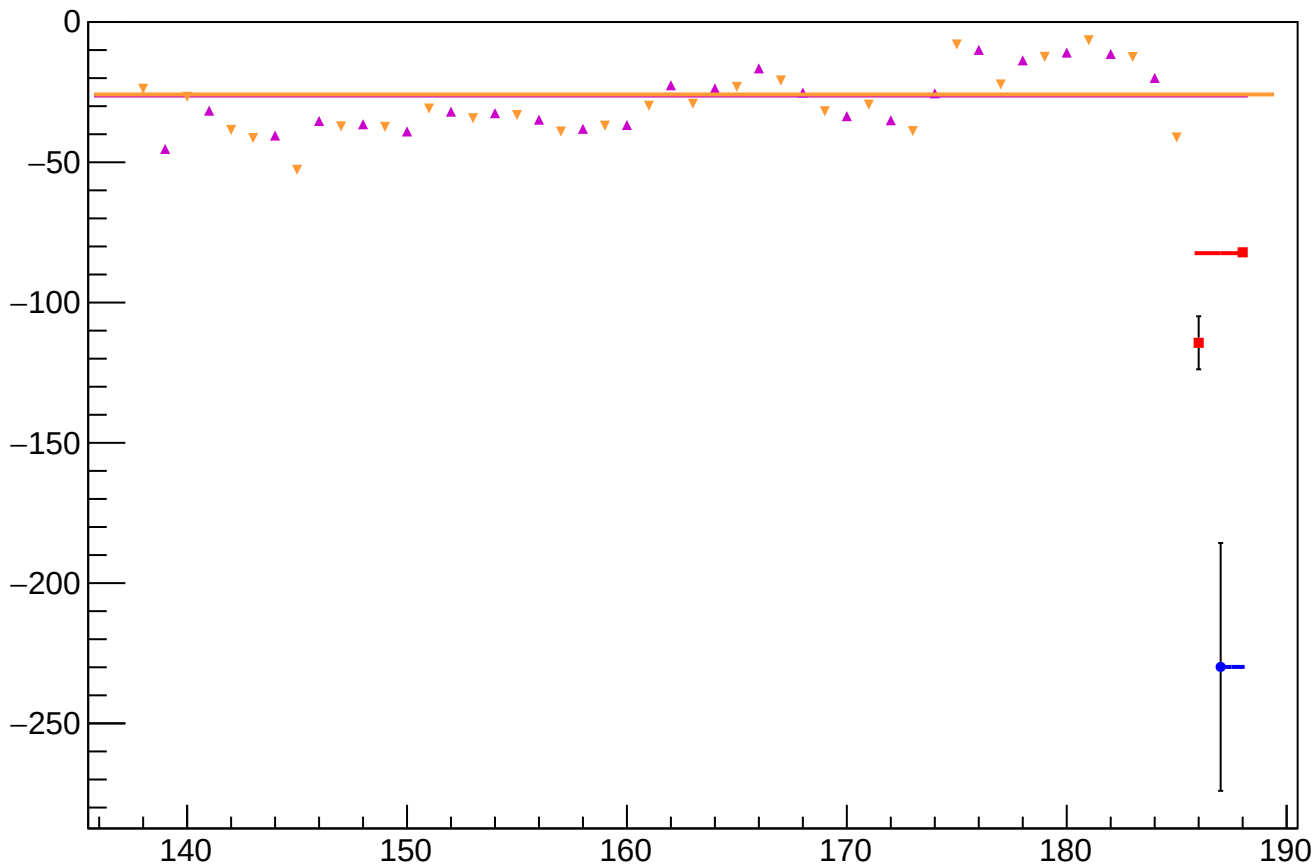
Right: -20.791 $\pm$ 0.014 χ^2 /NDF: 34000.1/38

In: -19.619 $\pm$ 0.007 χ^2 /NDF: 69750.0/40

Out: -19.915 $\pm$ 0.007 χ^2 /NDF: 113287.7/45

All: -19.767 $\pm$ 0.005 χ^2 /NDF: 183858.0/86

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: -82.392 ± 0.916 $\chi^2/\text{NDF}: 11.5/1$

Left In: -26.200 ± 0.194 $\chi^2/\text{NDF}: 3344.6/22$

Left: -26.005 ± 0.137 $\chi^2/\text{NDF}: 7441.2/47$

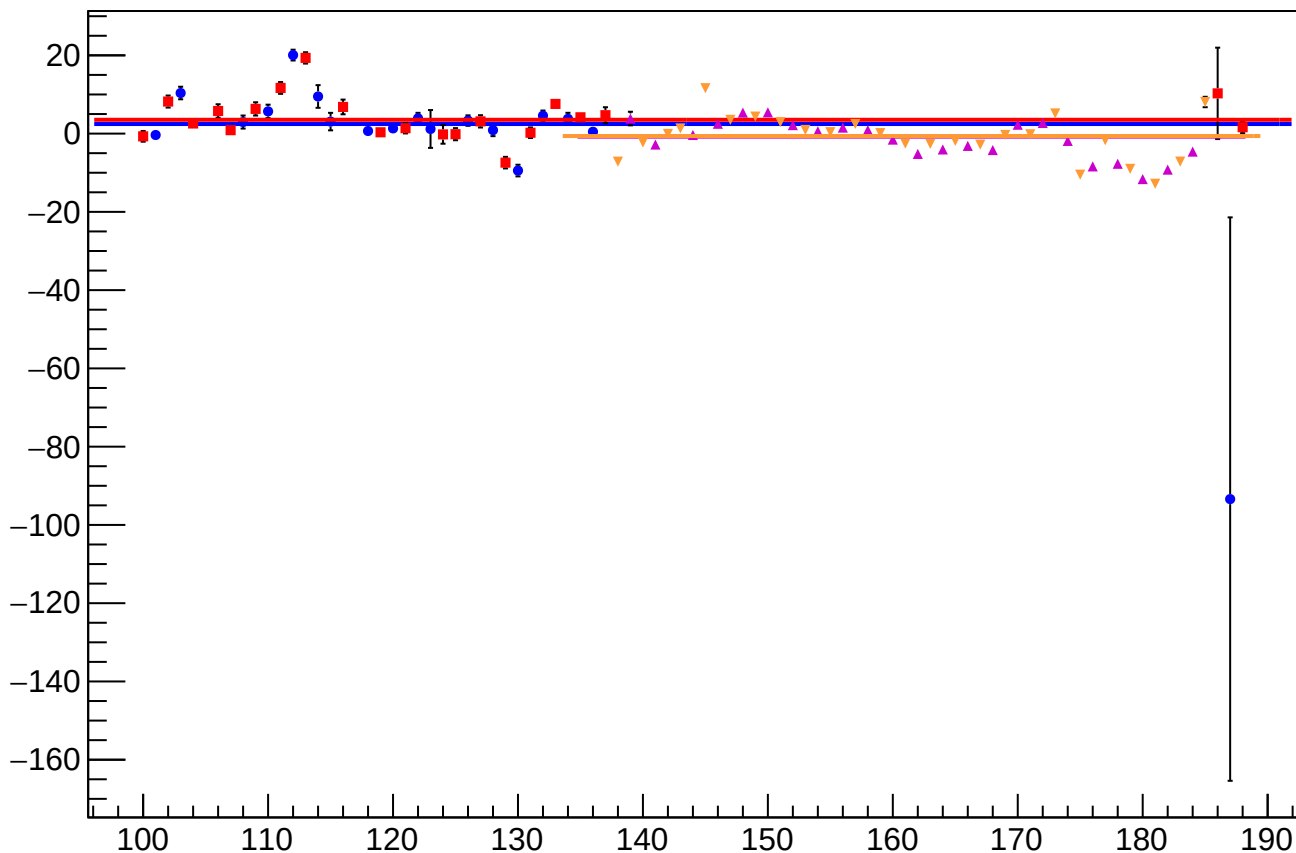
Right: -82.455 ± 0.916 $\chi^2/\text{NDF}: 22.7/2$

In: -26.204 ± 0.194 $\chi^2/\text{NDF}: 3365.9/23$

Out: -28.201 ± 0.188 $\chi^2/\text{NDF}: 7758.3/26$

All: -27.234 ± 0.135 $\chi^2/\text{NDF}: 11178.8/50$

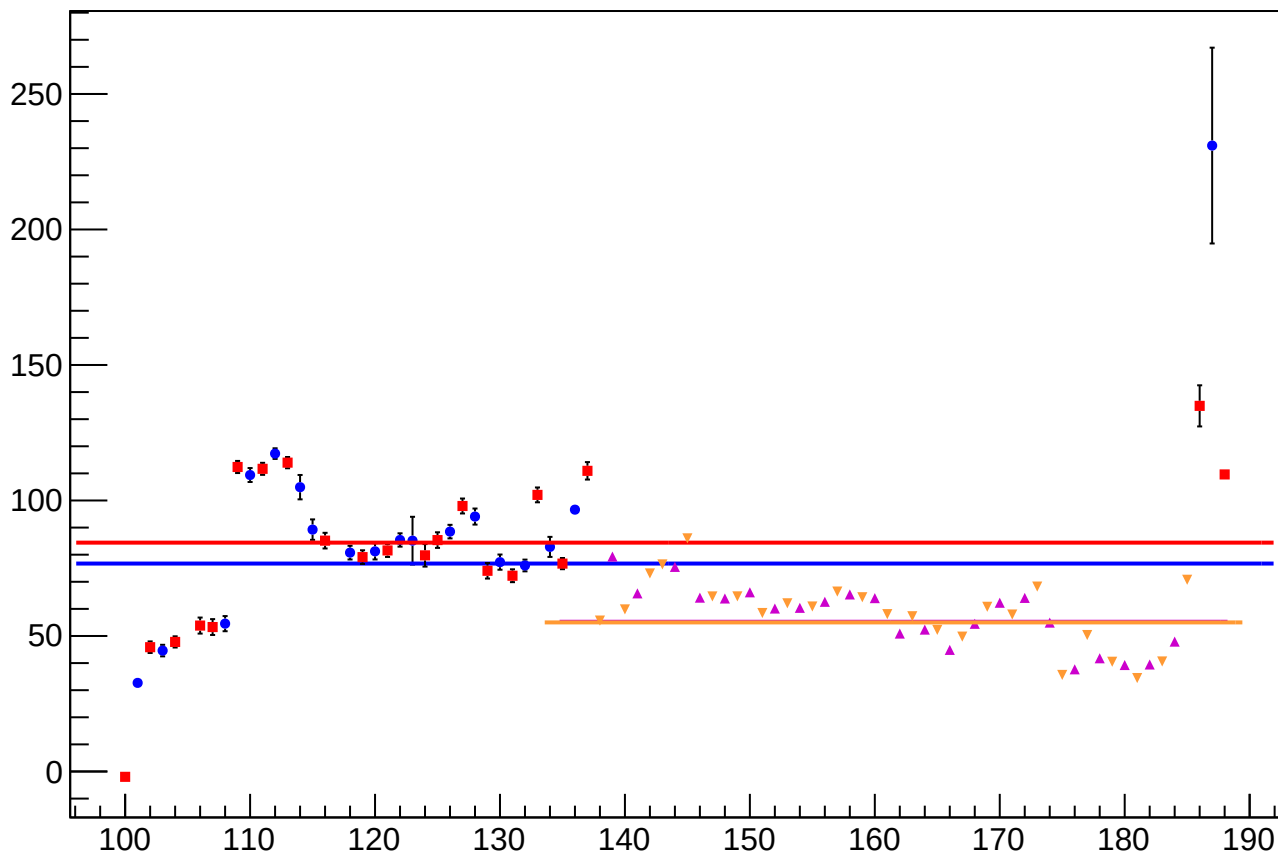
reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.446 ± 0.311 $\chi^2/\text{NDF}: 295.2/17$
 Left Out: -0.625 ± 0.147 $\chi^2/\text{NDF}: 1303.5/24$
 Right Out: 3.532 ± 0.311 $\chi^2/\text{NDF}: 281.4/20$
 Left In: -0.773 ± 0.150 $\chi^2/\text{NDF}: 1111.4/22$

Left: -0.697 ± 0.105 $\chi^2/\text{NDF}: 2415.4/47$
 Right: 2.989 ± 0.220 $\chi^2/\text{NDF}: 582.6/38$
 In: -0.165 ± 0.135 $\chi^2/\text{NDF}: 1493.3/40$
 Out: 0.131 ± 0.133 $\chi^2/\text{NDF}: 1730.8/45$
 All: -0.014 ± 0.095 $\chi^2/\text{NDF}: 3226.6/86$

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: 84.445 $\pm$ 0.441 χ^2 /NDF: 6238.0/20

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

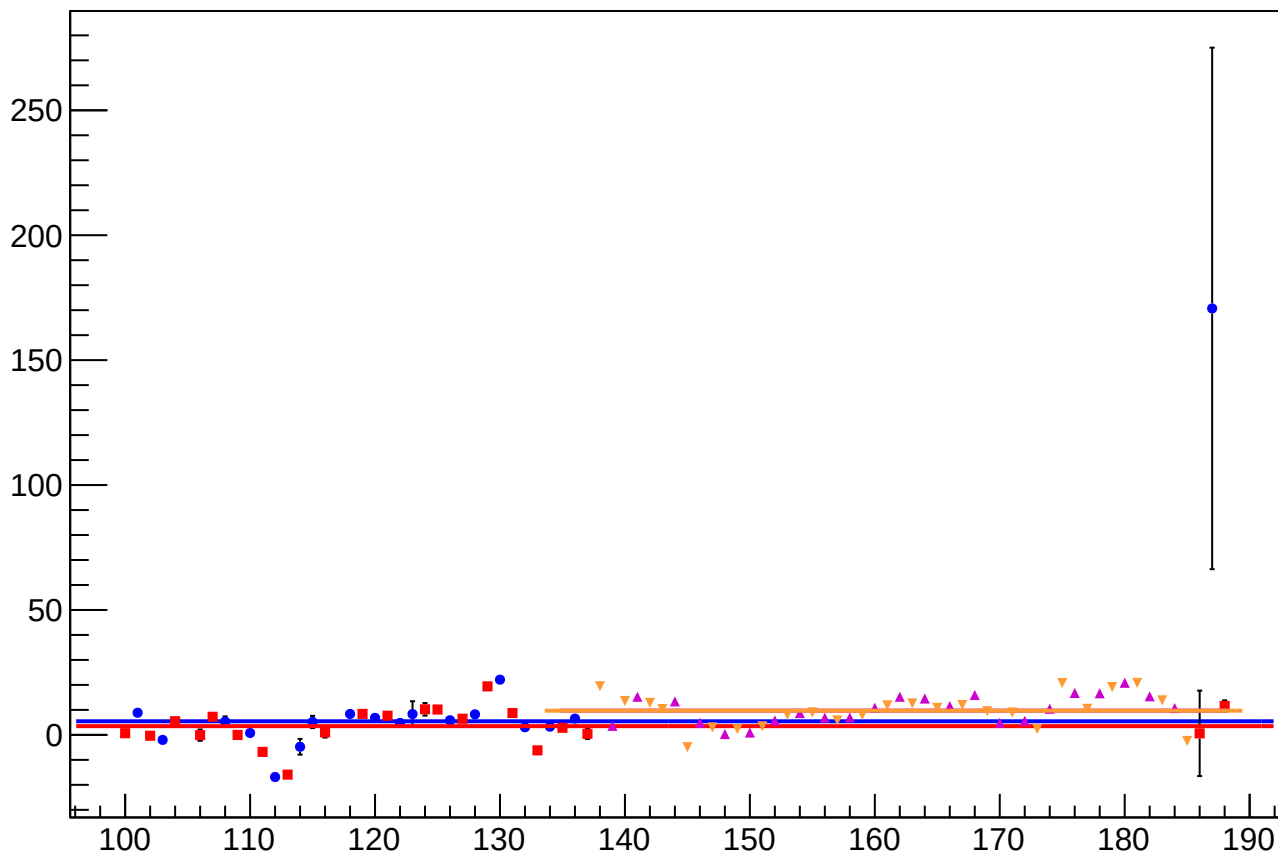
Right: 81.576 $\pm$ 0.350 χ^2 /NDF: 8635.2/38

In: 57.434 $\pm$ 0.183 χ^2 /NDF:7328.8/40

Out: 59.695 $\pm$ 0.176 χ^2 /NDF:14484.7/45

All: 58.608 $\pm$ 0.127 χ^2 /NDF: 21892.9/86

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: 3.490 $\pm$ 0.360 χ^2 /NDF: 439.3/20

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

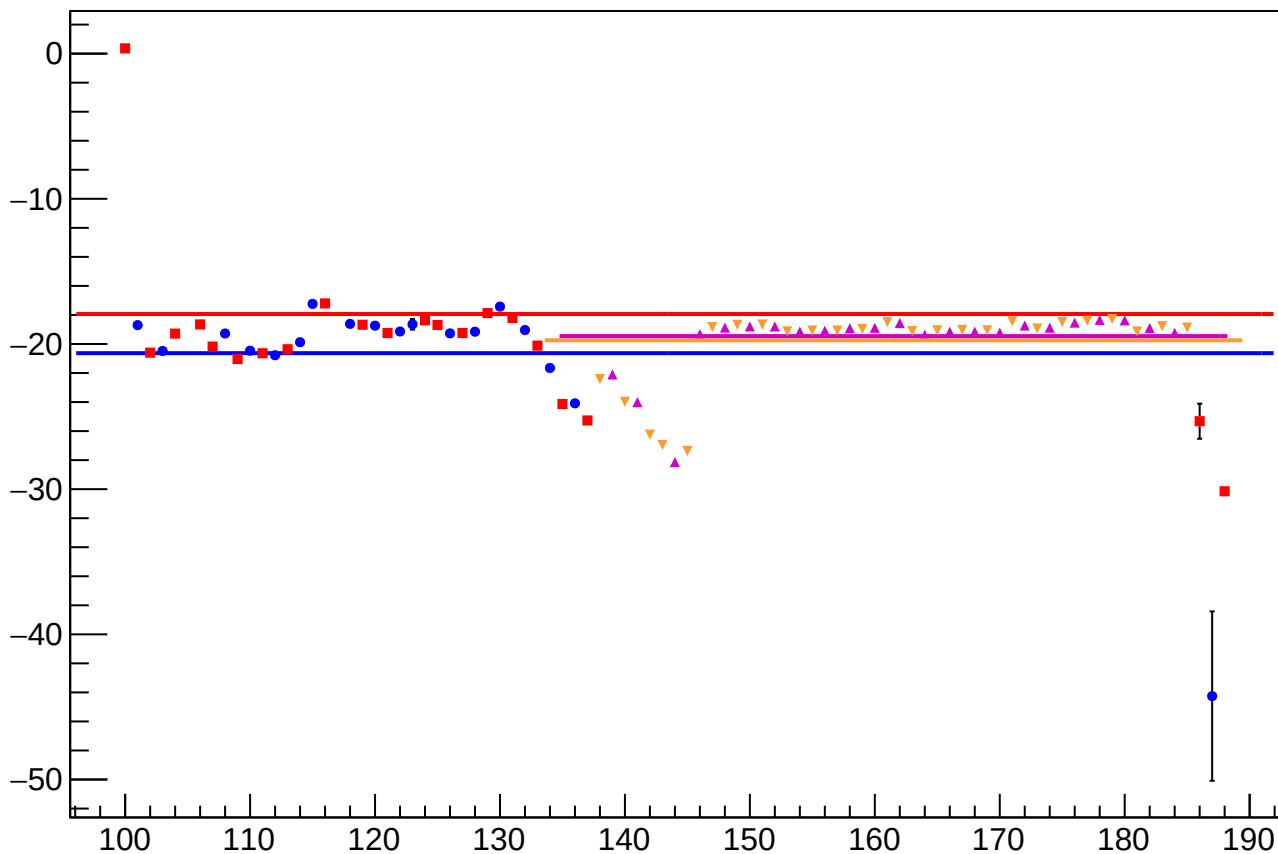
Right: 4.474 $\pm$ 0.254 χ^2 /NDF: 842.5/38

In: 8.911 $\pm$ 0.155 χ^2 /NDF:1702.3/40

Out: 8.582 $\pm$ 0.152 χ^2 /NDF:2122.5/45

All: 8.744 $\pm$ 0.109 χ^2 /NDF: 3827.1/86

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.632 $\pm$ 0.019 χ^2 /NDF: 12547.2/17

Left Out: -19.746 $\pm$ 0.008 χ^2 /NDF: 88374.4/24

Right Out: -17.936 $\pm$ 0.018 χ^2 /NDF: 192036.5/20

Left In: -19.457 $\pm$ 0.008 χ^2 /NDF: 53995.4/22

Left: -19.602 $\pm$ 0.006 χ^2 /NDF: 143036.3/47

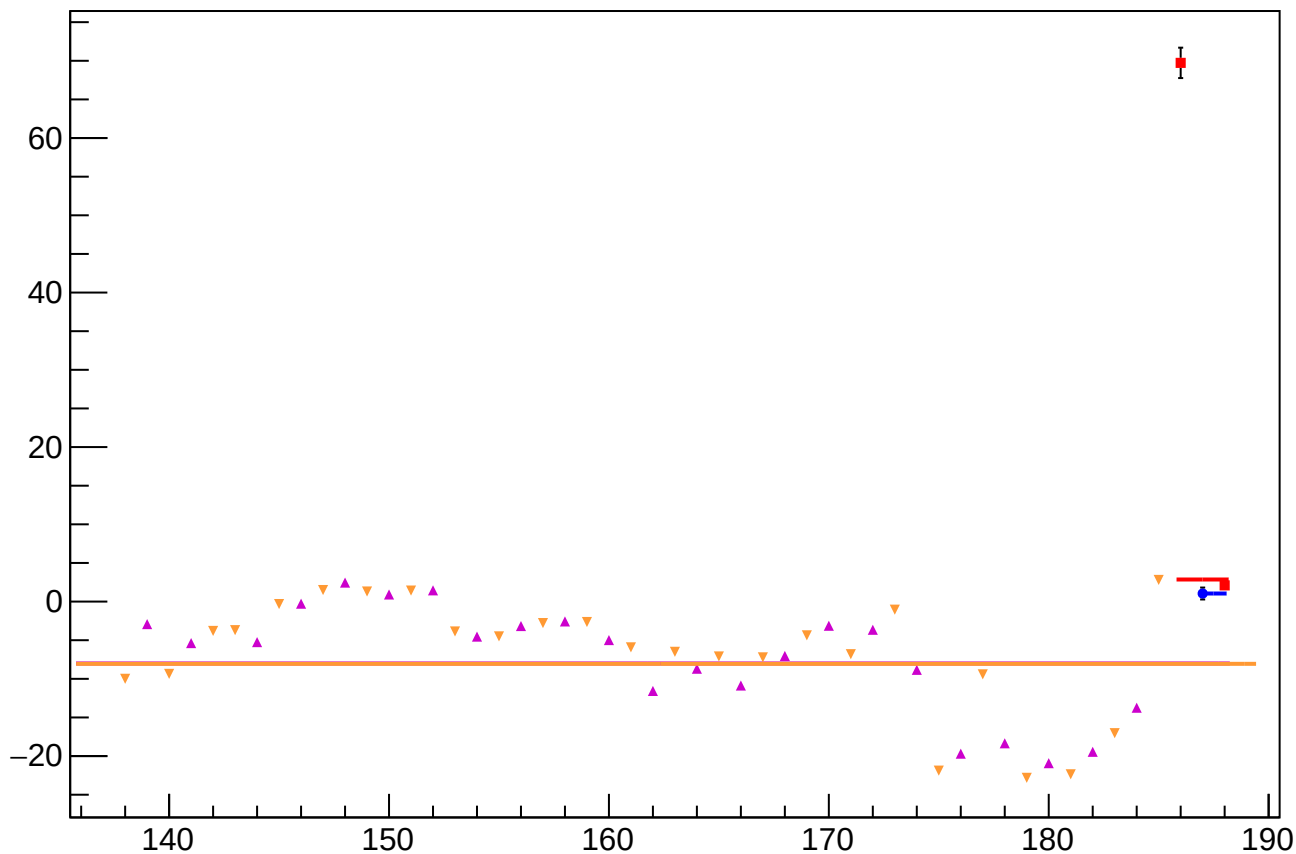
Right: -19.173 $\pm$ 0.013 χ^2 /NDF: 215148.7/38

In: -19.627 $\pm$ 0.007 χ^2 /NDF: 69715.2/40

Out: -19.447 $\pm$ 0.007 χ^2 /NDF: 289073.7/45

All: -19.536 $\pm$ 0.005 χ^2 /NDF: 359094.1/86

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: 2.858+/-0.209 χ^2/NDF : 1169.2/1

Left In: -8.010+/-0.071 χ^2/NDF :10631.2/22

Left: -8.034+/-0.050 χ^2/NDF : 23163.6/47

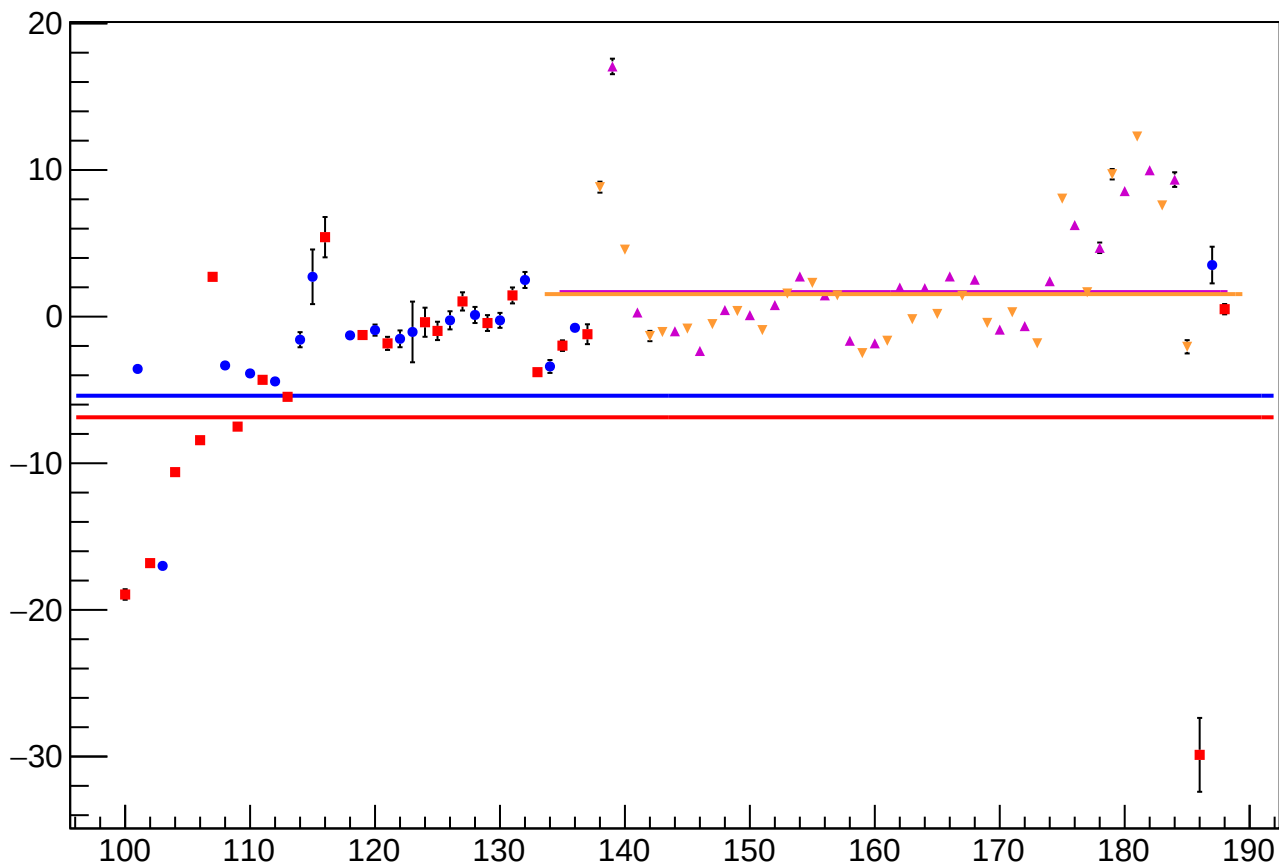
Right: 2.734+/-0.202 χ^2/NDF : 1174.3/2

In: -7.933+/-0.071 χ^2/NDF :10767.9/23

Out: -6.943+/-0.067 χ^2/NDF :16154.1/26

All: -7.407+/-0.049 χ^2/NDF : 27025.1/50

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: -6.865+/-0.058 χ^2/NDF : 12862.9/20

Left In: 1.673+/-0.056 χ^2/NDF :4106.3/22

Left: 1.602+/-0.039 χ^2/NDF : 8926.1/47

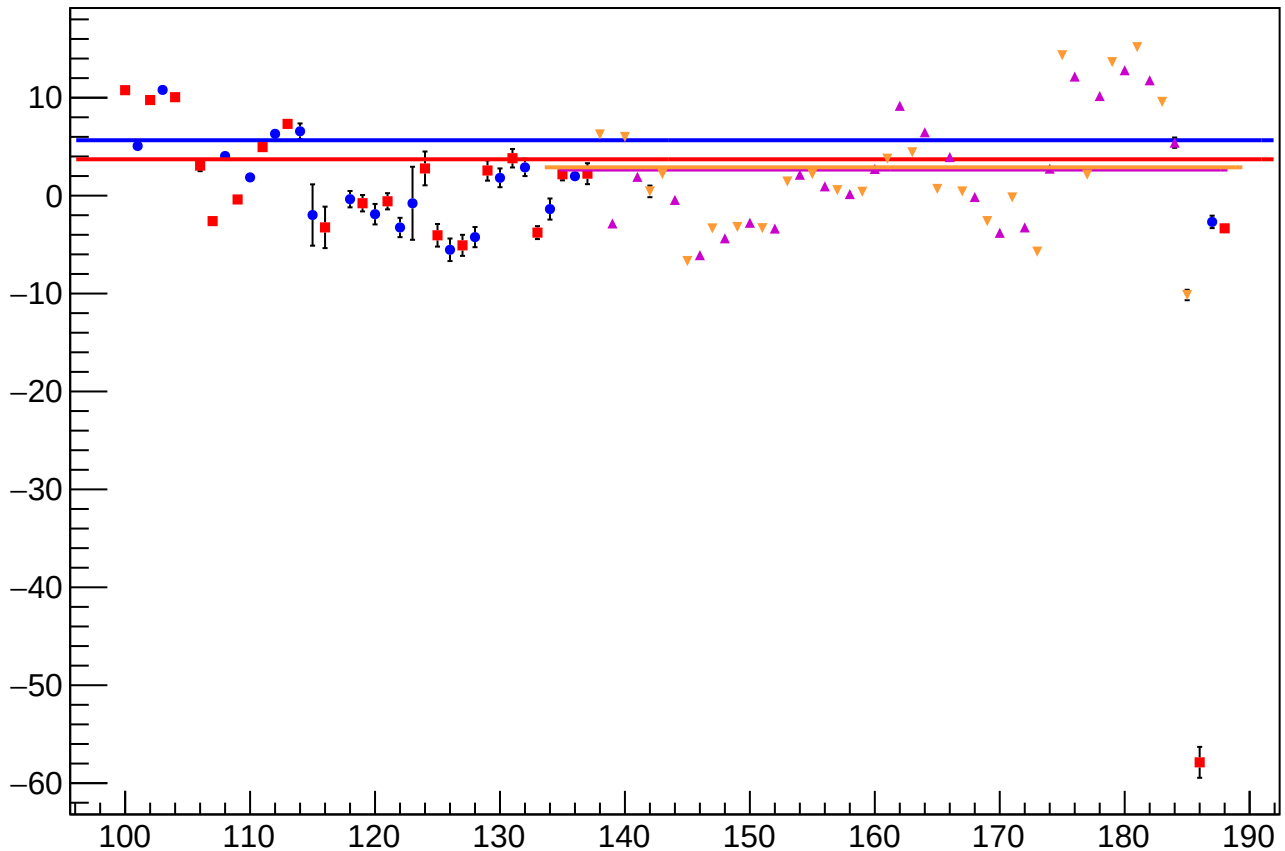
Right: -6.084+/-0.040 χ^2/NDF : 22514.4/38

In: -1.970+/-0.039 χ^2/NDF :21509.7/40

Out: -2.389+/-0.040 χ^2/NDF :28777.4/45

All: -2.177+/-0.028 χ^2/NDF : 50343.1/86

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.657 ± 0.089 χ^2/NDF : 1628.9/17

Left Out: 2.891 ± 0.070 χ^2/NDF : 8889.4/24

Right Out: 3.711 ± 0.082 χ^2/NDF : 6546.3/20

Left In: 2.663 ± 0.071 χ^2/NDF : 7308.8/22

Left: 2.778 ± 0.050 χ^2/NDF : 16203.4/47

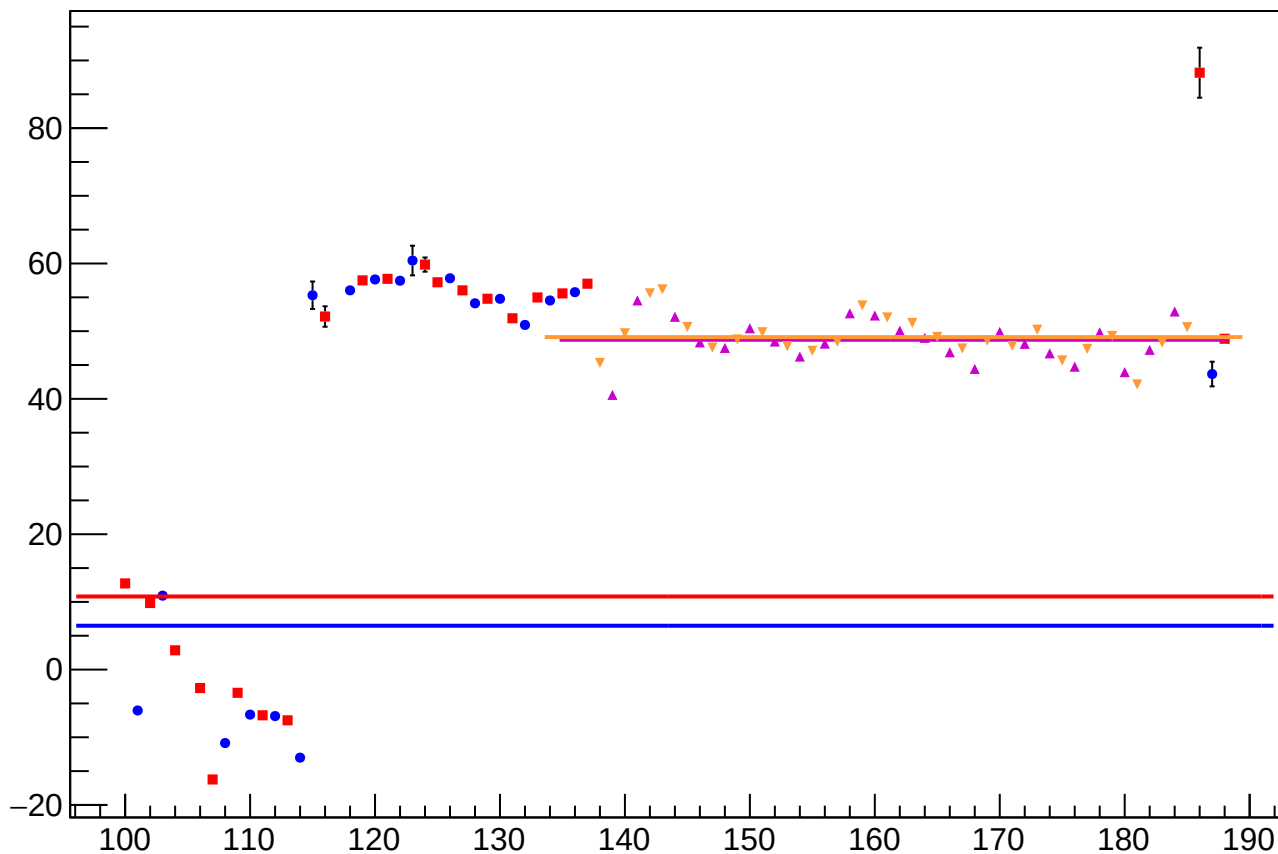
Right: 4.604 ± 0.060 χ^2/NDF : 8435.8/38

In: 3.833 ± 0.055 χ^2/NDF : 9631.9/40

Out: 3.241 ± 0.053 χ^2/NDF : 15493.6/45

All: 3.525 ± 0.038 χ^2/NDF : 25184.8/86

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: 10.802+/-0.069 χ^2/NDF : 127958.6/20

Left In: 48.731+/-0.064 χ^2/NDF : 2117.7/22

Left: 48.931+/-0.044 χ^2/NDF : 4302.5/47

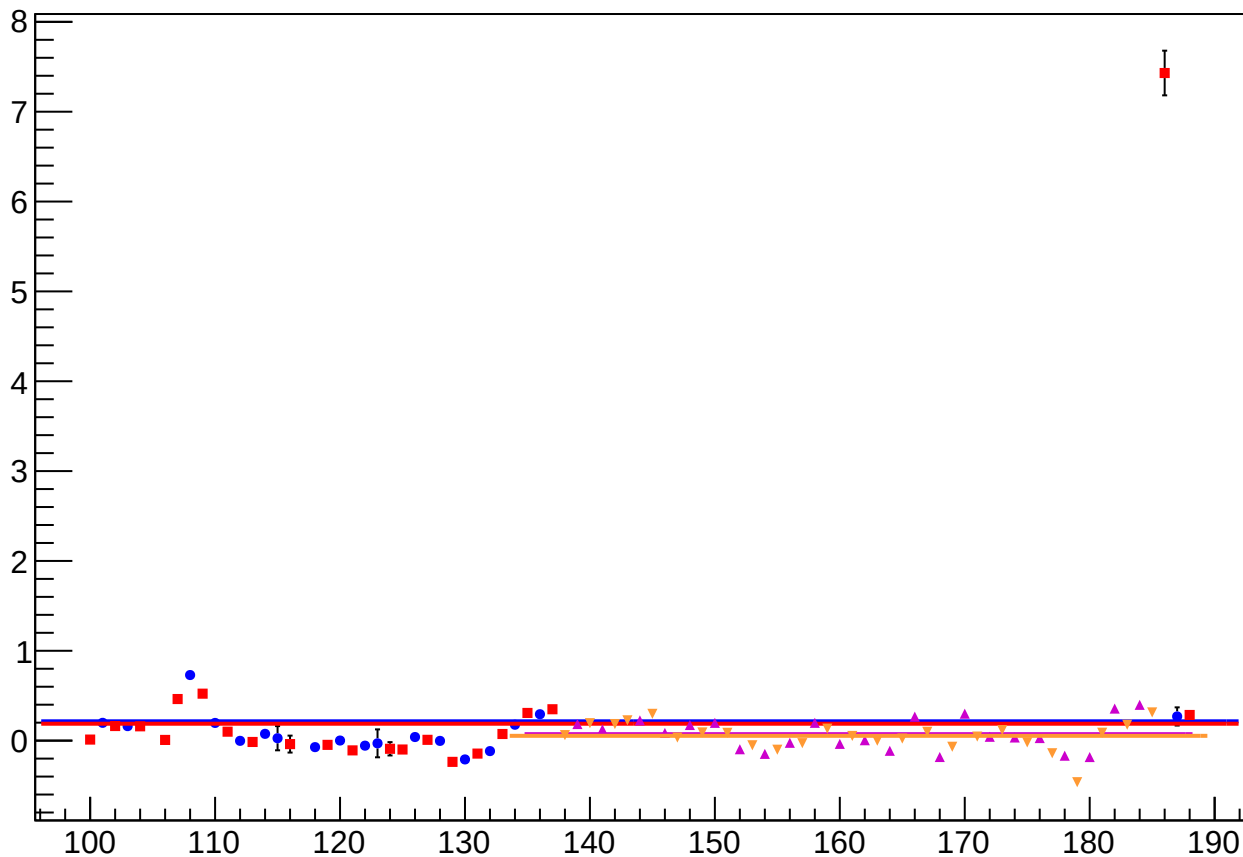
Right: 8.498+/-0.047 χ^2/NDF : 253950.3/38

In: 27.968+/-0.045 χ^2/NDF : 343195.7/40

Out: 32.063+/-0.046 χ^2/NDF : 300823.2/45

All: 29.981+/-0.032 χ^2/NDF : 648030.8/86

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215+/-0.003 χ^2/NDF : 3930.4/17

Left Out: 0.053+/-0.003 χ^2/NDF : 2369.3/24

Right Out: 0.188+/-0.003 χ^2/NDF : 3587.0/20

Left In: 0.072+/-0.003 χ^2/NDF : 3272.0/22

Left: 0.063+/-0.002 χ^2/NDF : 5662.5/47

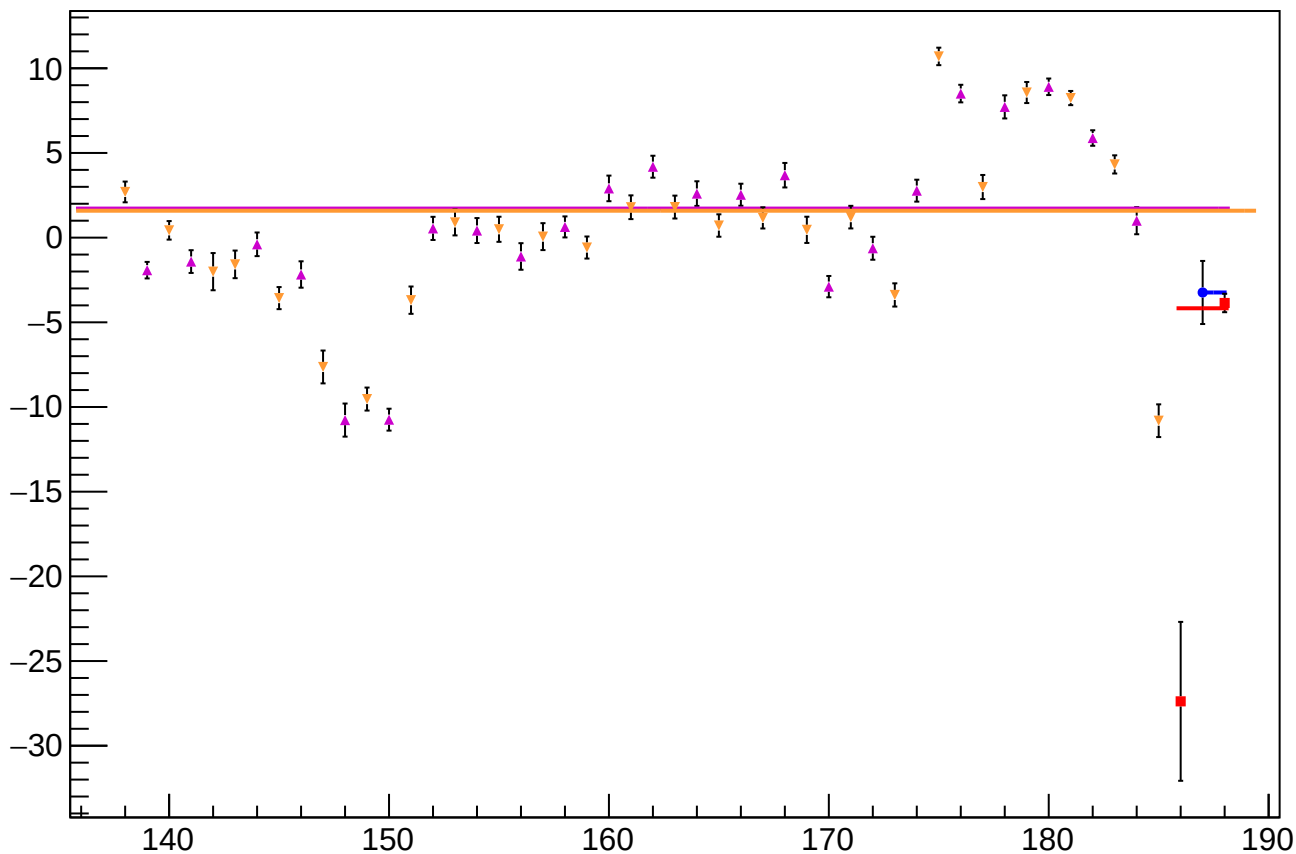
Right: 0.201+/-0.002 χ^2/NDF : 7566.5/38

In: 0.145+/-0.002 χ^2/NDF : 8503.3/40

Out: 0.125+/-0.002 χ^2/NDF : 7155.3/45

All: 0.135+/-0.001 χ^2/NDF : 15714.6/86

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.238 ± 1.863 χ^2/NDF : 0.0/0

Left Out: 1.590 ± 0.133 χ^2/NDF : 1457.4/24

Right Out: -4.171 ± 0.541 χ^2/NDF : 24.8/1

Left In: 1.715 ± 0.134 χ^2/NDF : 1313.5/22

Left: 1.652 ± 0.094 χ^2/NDF : 2771.4/47

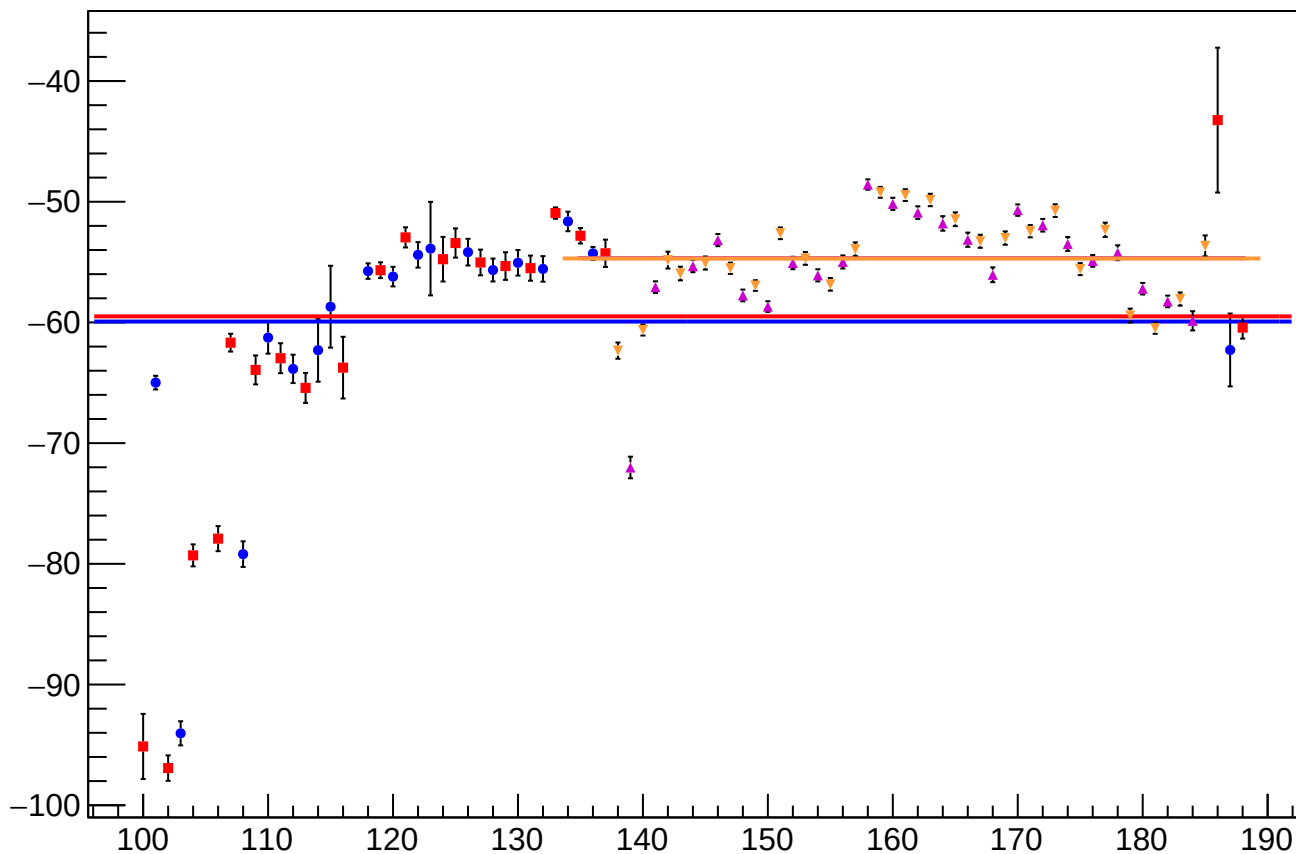
Right: -4.099 ± 0.519 χ^2/NDF : 25.0/2

In: 1.690 ± 0.134 χ^2/NDF : 1320.5/23

Out: 1.261 ± 0.129 χ^2/NDF : 1589.2/26

All: 1.468 ± 0.093 χ^2/NDF : 2915.1/50

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: -59.498 $\pm$ 0.206 χ^2 /NDF: 2921.1/20

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

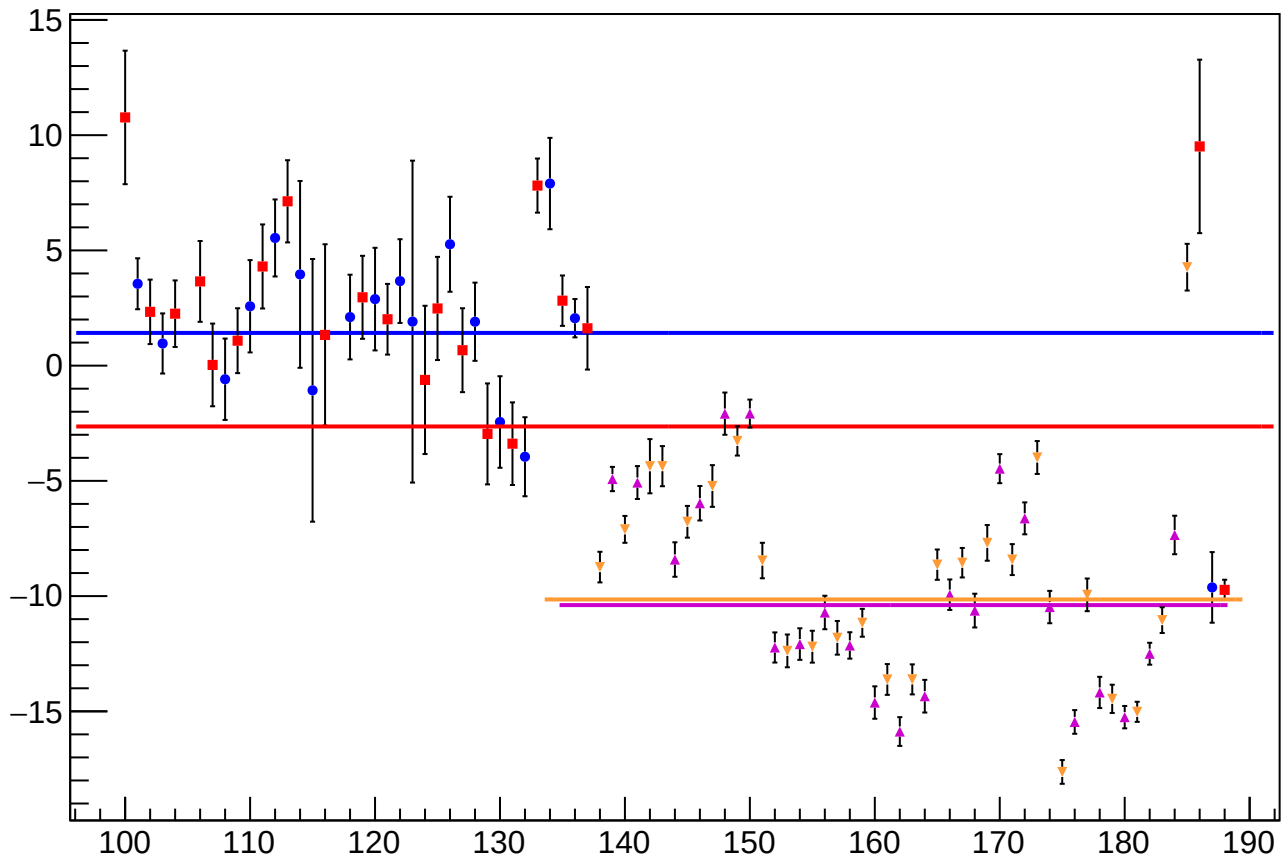
Right: -59.697 $\pm$ 0.151 χ^2 /NDF: 4903.2/38

In: -55.701 $\pm$ 0.098 χ^2 /NDF:3569.4/40

Out: -55.702 $\pm$ 0.094 χ^2 /NDF:4472.9/45

All: -55.701 $\pm$ 0.068 χ^2 /NDF: 8042.3/86

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: -2.640 ± 0.290 $\chi^2/\text{NDF}: 521.1/20$

Left In: -10.391 ± 0.134 $\chi^2/\text{NDF}: 1024.8/22$

Left: -10.268 ± 0.094 $\chi^2/\text{NDF}: 2077.6/47$

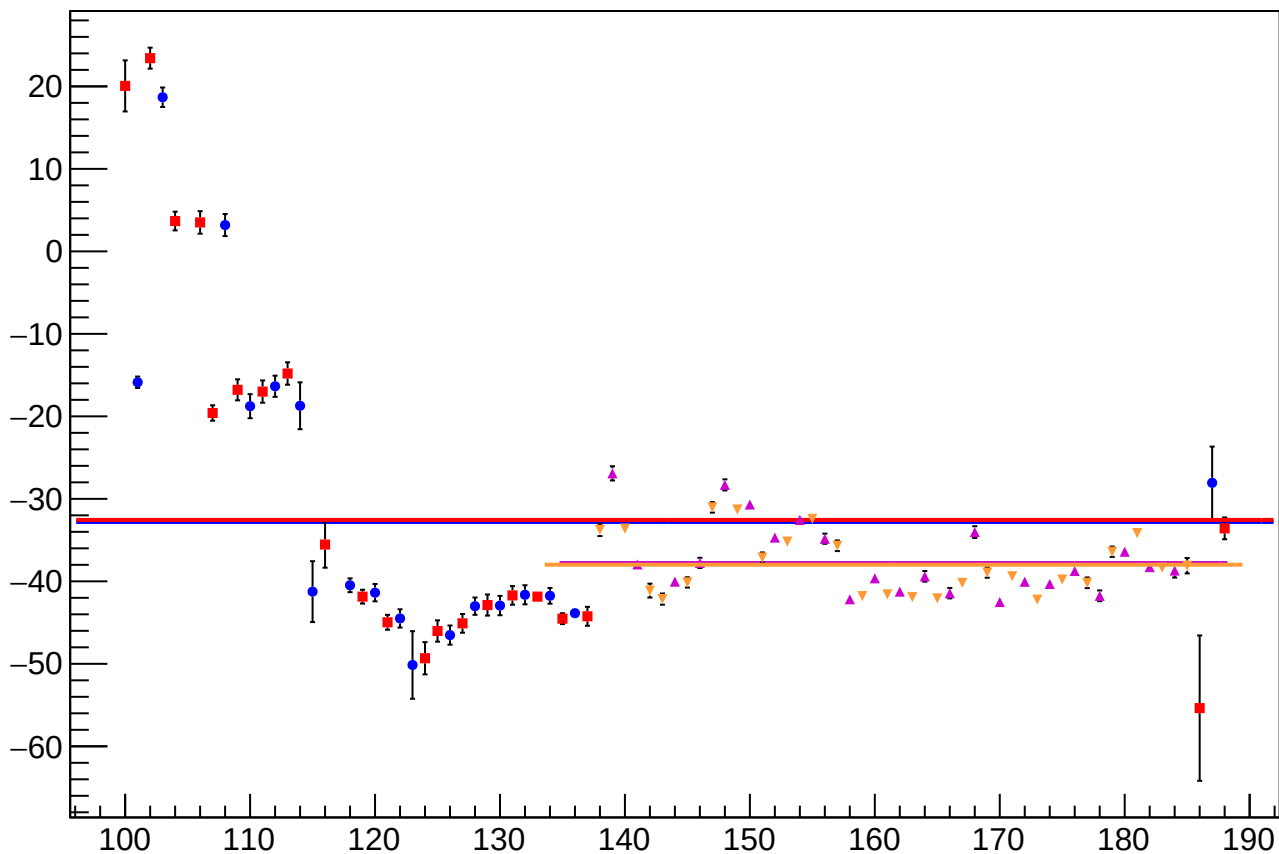
Right: -1.198 ± 0.233 $\chi^2/\text{NDF}: 685.3/38$

In: -9.152 ± 0.127 $\chi^2/\text{NDF}: 1937.2/40$

Out: -8.841 ± 0.121 $\chi^2/\text{NDF}: 2125.6/45$

All: -8.989 ± 0.087 $\chi^2/\text{NDF}: 4066.1/86$

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: -32.554 ± 0.240 $\chi^2/\text{NDF}: 6045.2/20$

Left In: -37.784 ± 0.122 $\chi^2/\text{NDF}: 1079.7/22$

Left: -37.886 ± 0.085 $\chi^2/\text{NDF}: 2018.0/47$

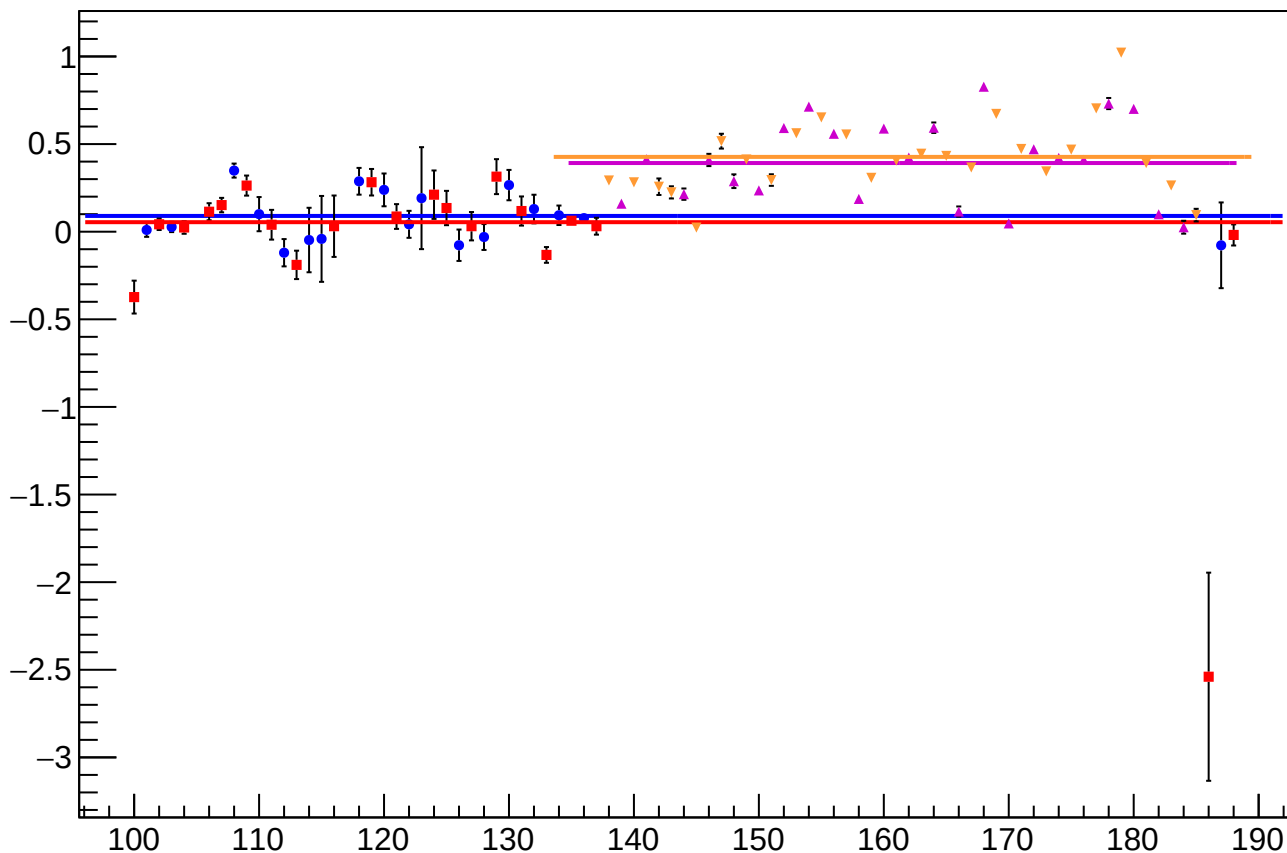
Right: -32.670 ± 0.174 $\chi^2/\text{NDF}: 10713.4/38$

In: -36.848 ± 0.110 $\chi^2/\text{NDF}: 6061.1/40$

Out: -36.910 ± 0.107 $\chi^2/\text{NDF}: 7393.6/45$

All: -36.880 ± 0.077 $\chi^2/\text{NDF}: 13454.8/86$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 χ^2/NDF : 79.7/17

Left Out: 0.427 ± 0.005 χ^2/NDF : 1293.3/24

Right Out: 0.054 ± 0.012 χ^2/NDF : 107.9/20

Left In: 0.392 ± 0.005 χ^2/NDF : 1835.6/22

Left: 0.409 ± 0.004 χ^2/NDF : 3150.1/47

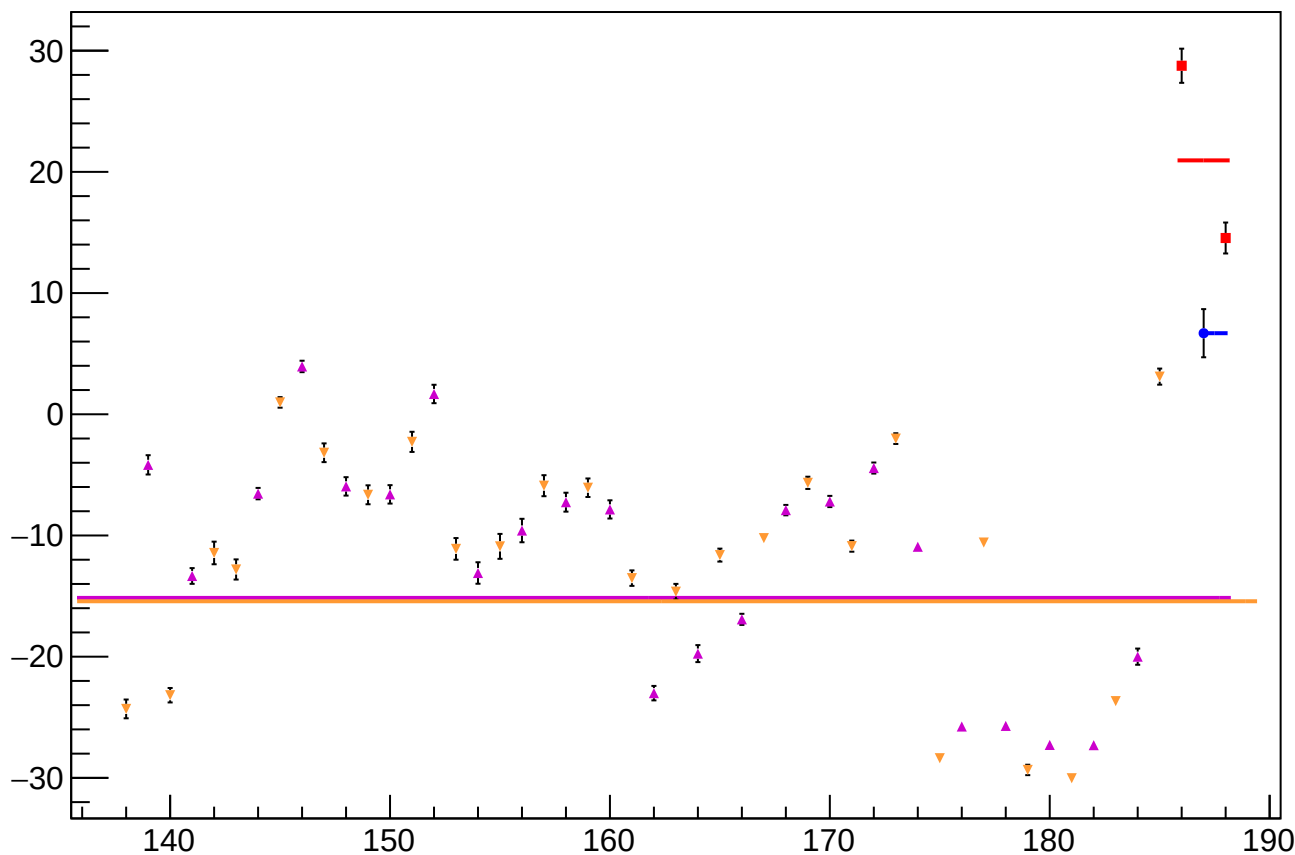
Right: 0.071 ± 0.009 χ^2/NDF : 191.9/38

In: 0.346 ± 0.005 χ^2/NDF : 2394.4/40

Out: 0.364 ± 0.005 χ^2/NDF : 2214.8/45

All: 0.355 ± 0.003 χ^2/NDF : 4615.6/86

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.689 ± 1.987 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -15.427 ± 0.105 $\chi^2/\text{NDF}: 10499.6/24$

Right Out: 20.948 ± 0.946 $\chi^2/\text{NDF}: 55.9/1$

Left In: -15.151 ± 0.106 $\chi^2/\text{NDF}: 8744.3/22$

Left: -15.290 ± 0.075 $\chi^2/\text{NDF}: 19247.4/47$

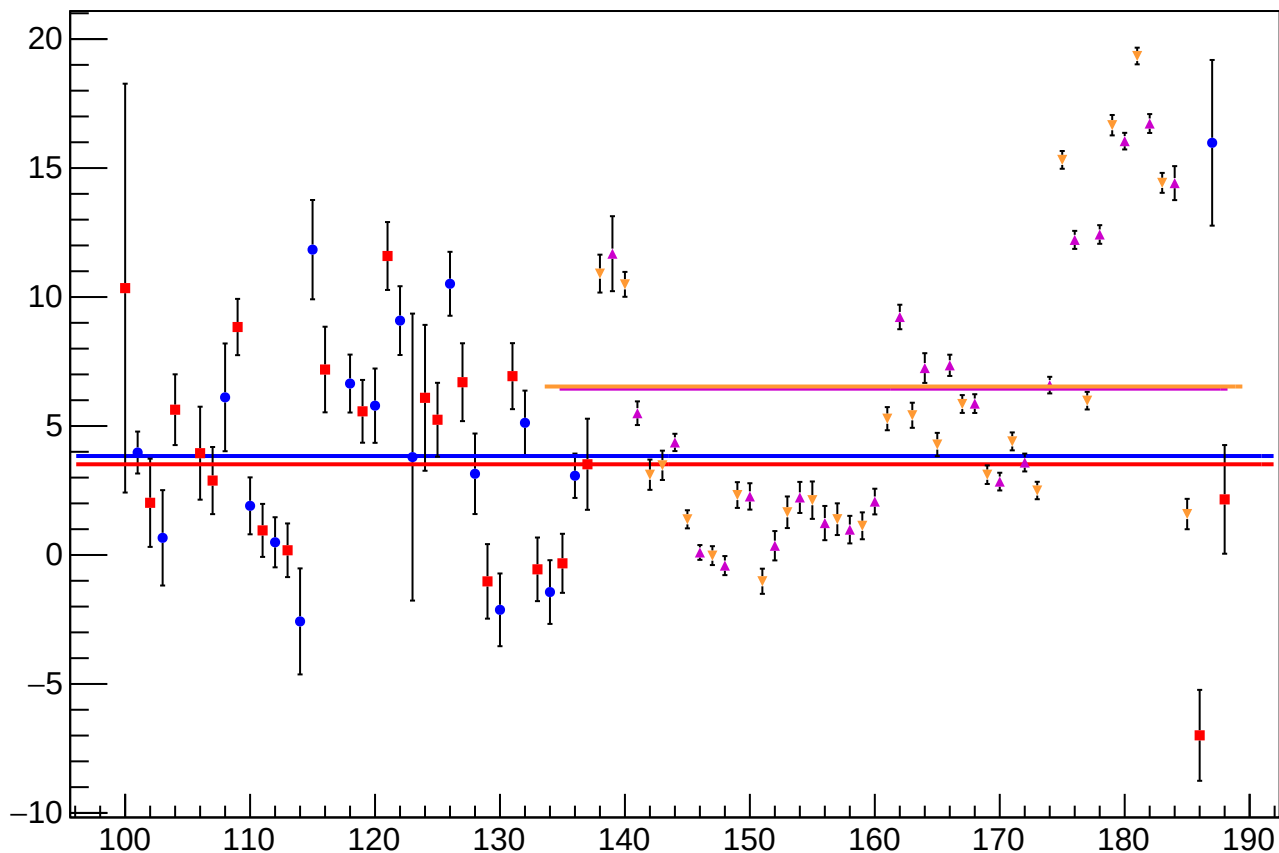
Right: 18.312 ± 0.854 $\chi^2/\text{NDF}: 97.8/2$

In: -15.089 ± 0.106 $\chi^2/\text{NDF}: 8864.8/23$

Out: -14.982 ± 0.105 $\chi^2/\text{NDF}: 12015.5/26$

All: -15.035 ± 0.075 $\chi^2/\text{NDF}: 20880.8/50$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.837 $\pm$ 0.307 χ^2 /NDF: 151.2/17

Left Out: 6.531 $\pm$ 0.086 χ^2 /NDF:4969.5/24

Right Out: 3.516 $\pm$ 0.308 χ^2 /NDF: 171.7/20

Left In: 6.448 $\pm$ 0.086 χ^2 /NDF:3955.6/22

Left: 6.490 $\pm$ 0.061 χ^2 /NDF: 8925.6/47

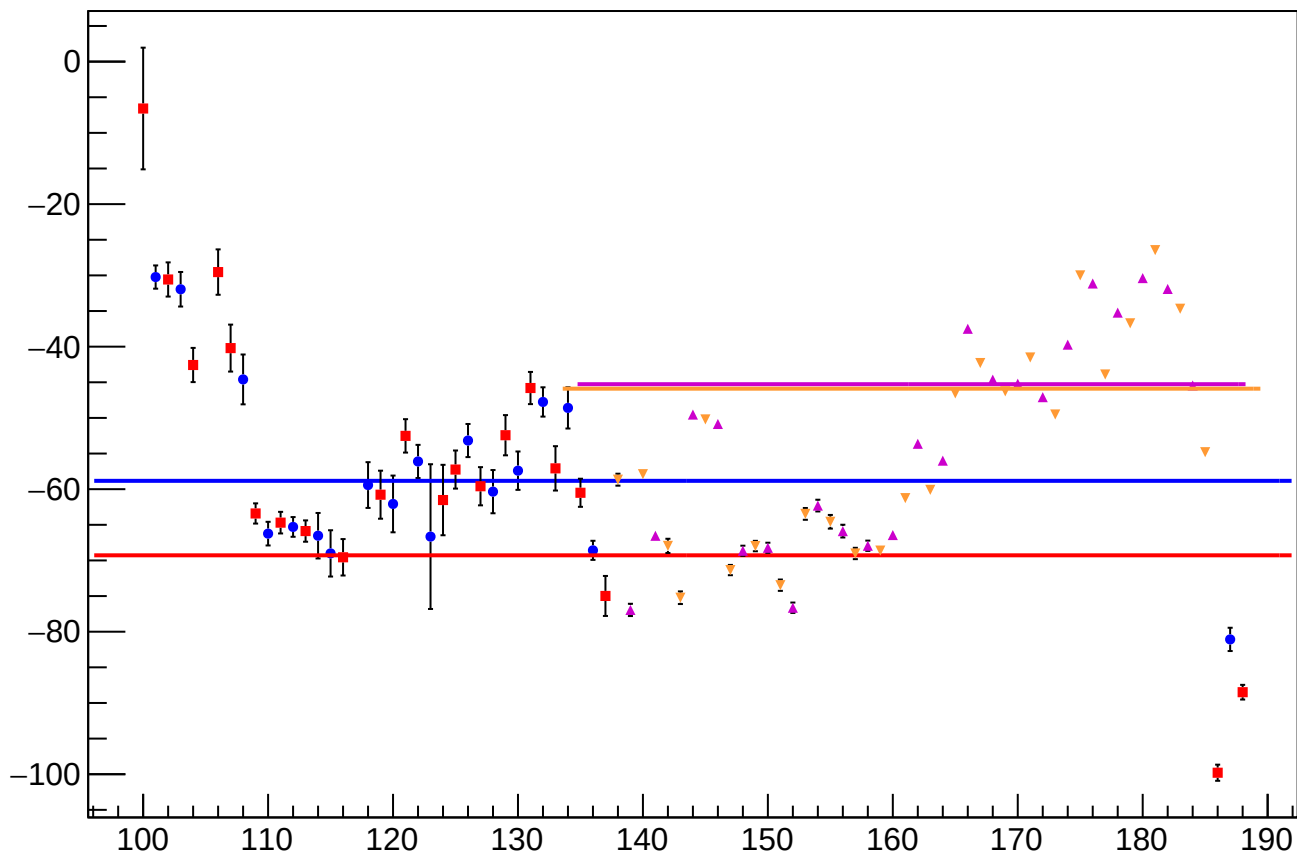
Right: 3.677 $\pm$ 0.217 χ^2 /NDF: 323.4/38

In: 6.259 $\pm$ 0.083 χ^2 /NDF:4173.9/40

Out: 6.315 $\pm$ 0.082 χ^2 /NDF:5230.2/45

All: 6.287 $\pm$ 0.058 χ^2 /NDF: 9404.3/86

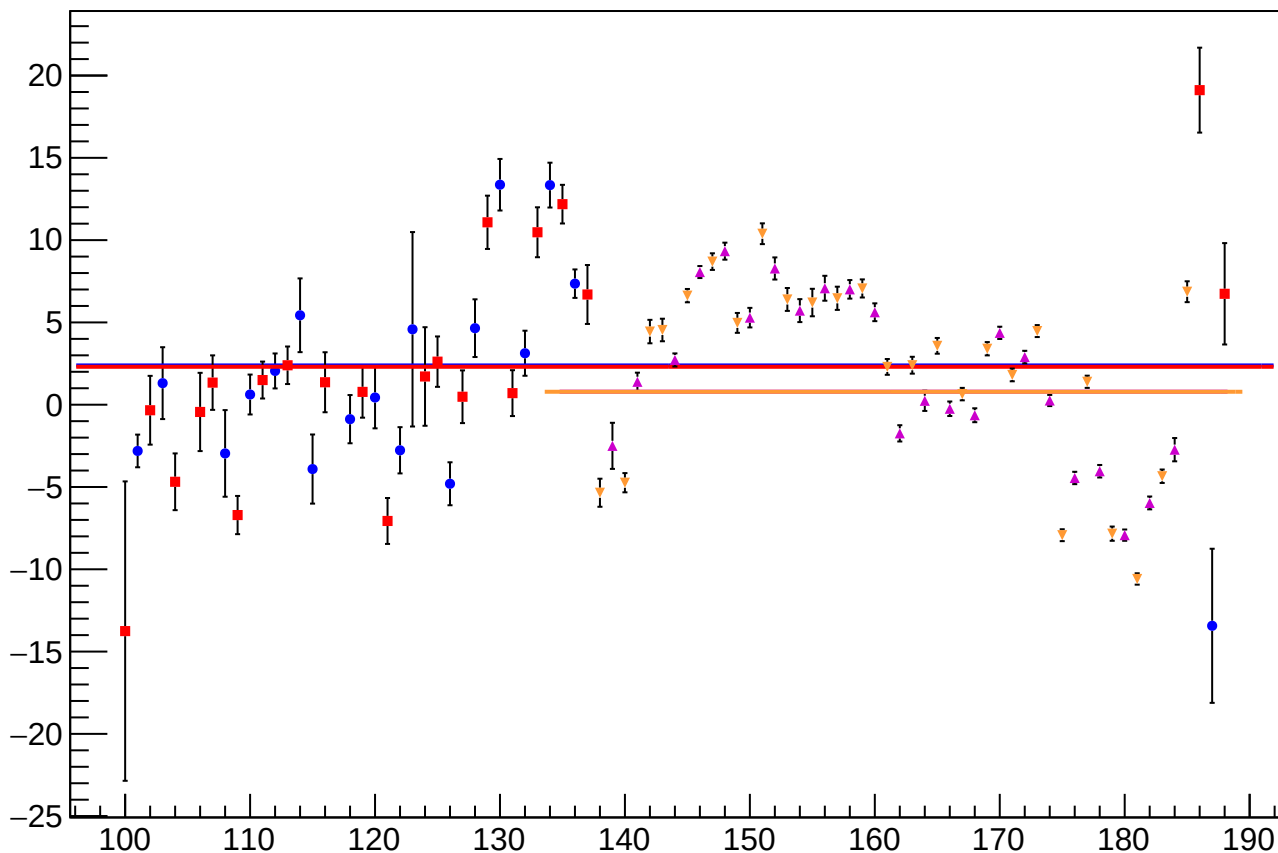
reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.829 ± 0.514 $\chi^2/\text{NDF}: 793.5/17$
 Left Out: -45.897 ± 0.106 $\chi^2/\text{NDF}: 17133.8/24$
 Right Out: -69.280 ± 0.438 $\chi^2/\text{NDF}: 2052.7/20$
 Left In: -45.268 ± 0.107 $\chi^2/\text{NDF}: 15775.7/22$

Left: -45.584 ± 0.075 $\chi^2/\text{NDF}: 32927.0/47$
 Right: -64.883 ± 0.334 $\chi^2/\text{NDF}: 3085.4/38$
 In: -45.828 ± 0.105 $\chi^2/\text{NDF}: 17235.7/40$
 Out: -47.197 ± 0.103 $\chi^2/\text{NDF}: 21873.9/45$
 All: -46.520 ± 0.073 $\chi^2/\text{NDF}: 39196.3/86$

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: 2.305 $\pm$ 0.349 χ^2 /NDF: 312.3/20

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

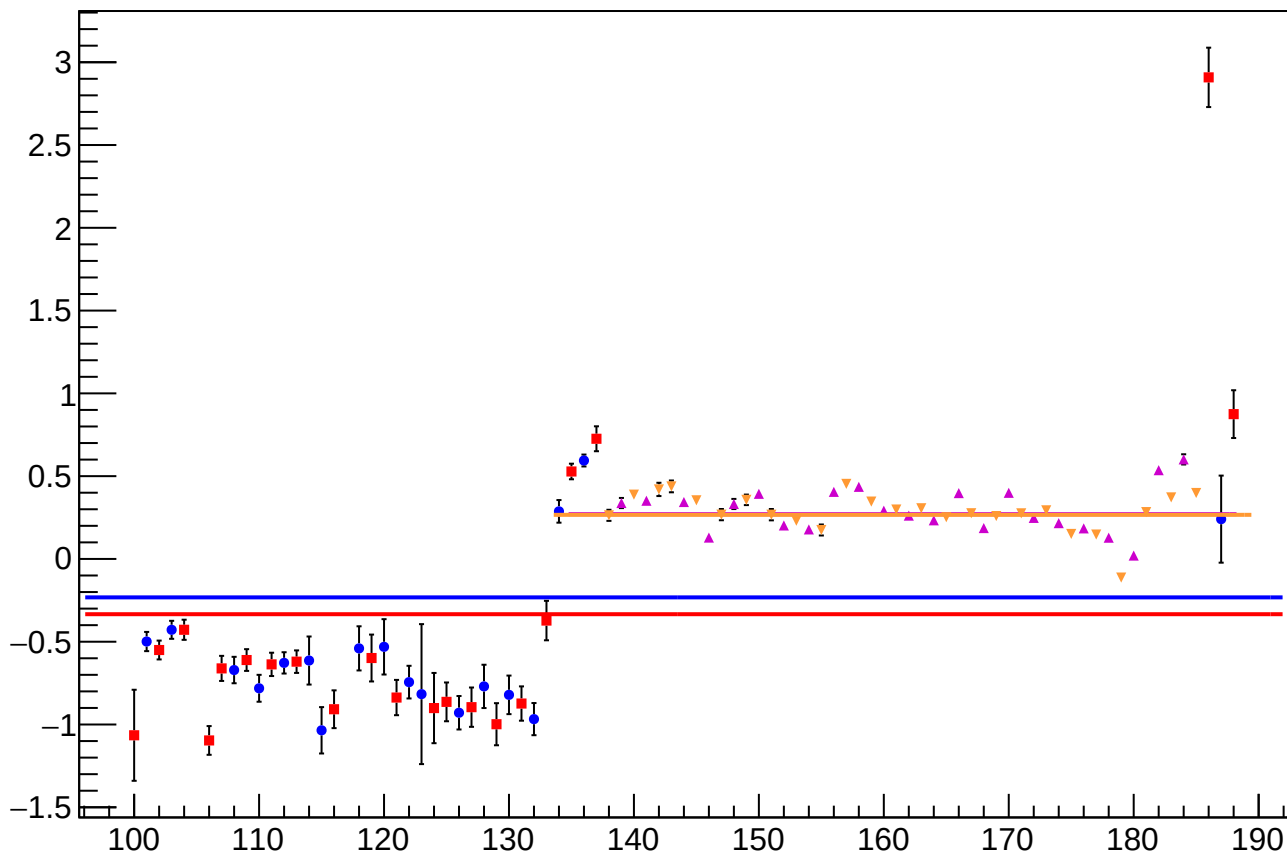
Right: 2.346 $\pm$ 0.245 χ^2 /NDF: 567.4/38

In: 0.906 $\pm$ 0.093 χ^2 /NDF:2972.6/40

Out: 0.892 $\pm$ 0.092 χ^2 /NDF:4076.6/45

All: 0.899 $\pm$ 0.065 χ^2 /NDF: 7049.2/86

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: -0.334 ± 0.019 χ^2/NDF : 1259.2/20

Left In: 0.270 ± 0.004 χ^2/NDF : 973.5/22

Left: 0.268 ± 0.003 χ^2/NDF : 1672.0/47

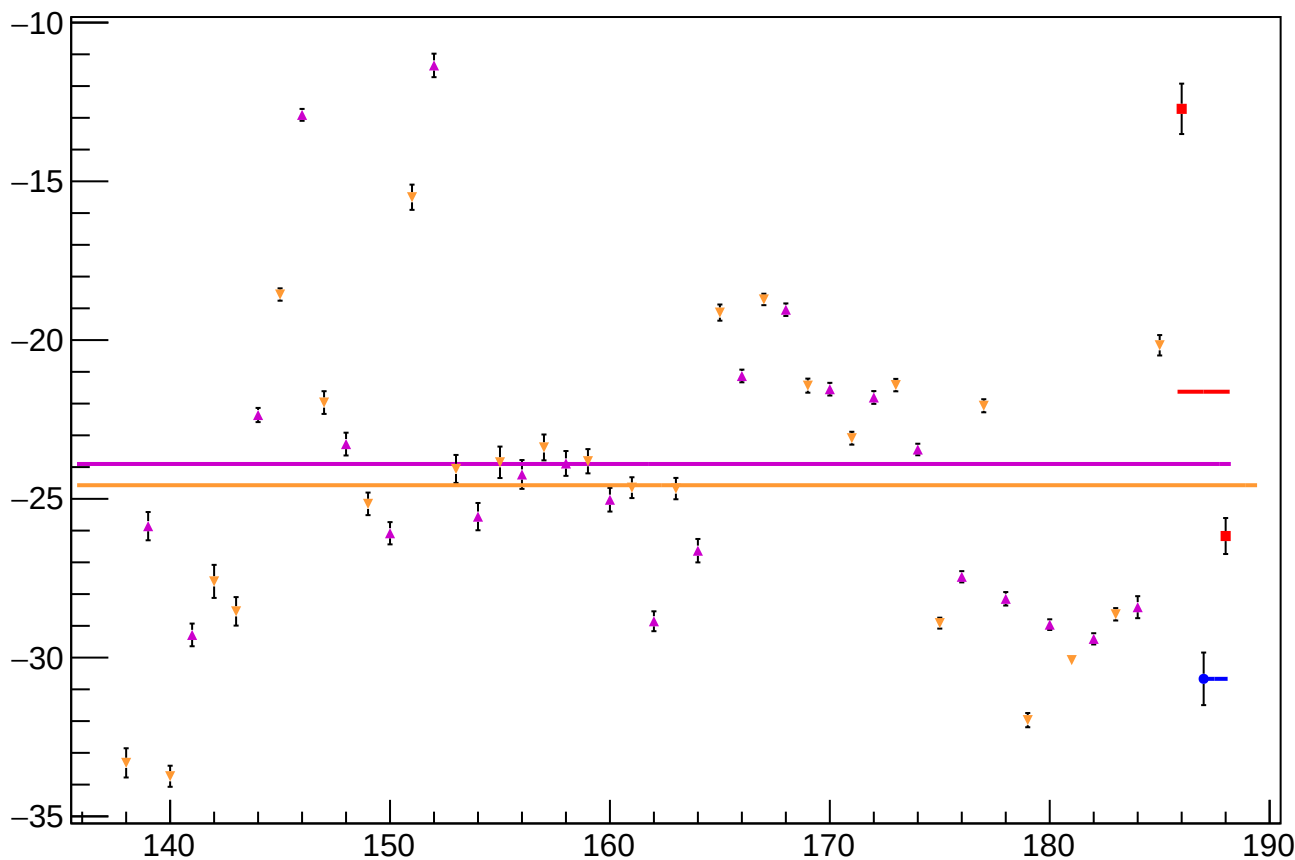
Right: -0.283 ± 0.013 χ^2/NDF : 2235.6/38

In: 0.244 ± 0.004 χ^2/NDF : 2611.0/40

Out: 0.235 ± 0.004 χ^2/NDF : 2934.8/45

All: 0.240 ± 0.003 χ^2/NDF : 5547.9/86

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



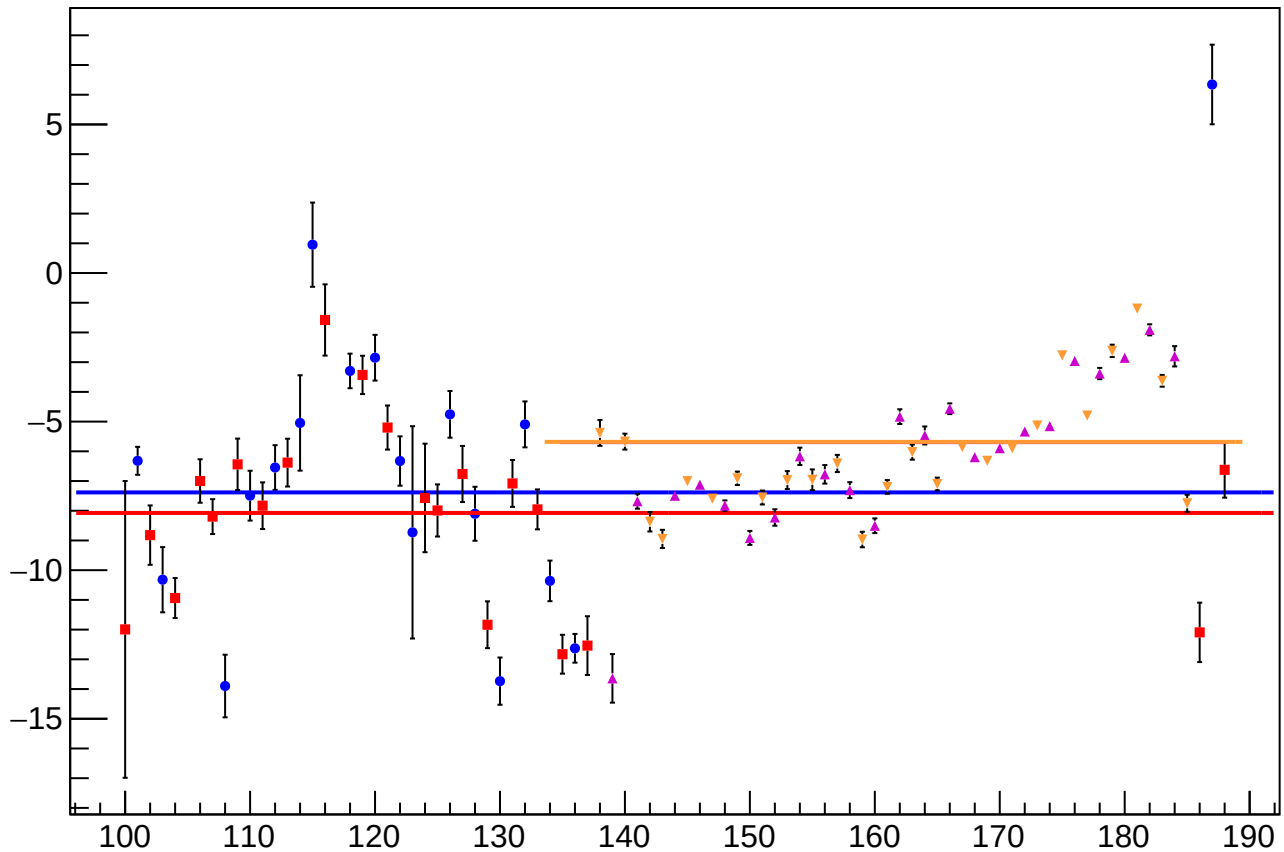
Right In: -30.669 ± 0.828 χ^2/NDF : 0.0/0
 Left Out: -24.571 ± 0.051 χ^2/NDF : 8610.0/24
 Right Out: -21.626 ± 0.461 χ^2/NDF : 190.3/1
 Left In: -23.902 ± 0.051 χ^2/NDF : 9158.9/22

Left: -24.236 ± 0.036 χ^2/NDF : 17855.2/47
 Right: -23.769 ± 0.403 χ^2/NDF : 281.3/2

In: -23.927 ± 0.051 χ^2/NDF : 9225.5/23
 Out: -24.535 ± 0.051 χ^2/NDF : 8840.5/26

All: -24.232 ± 0.036 χ^2/NDF : 18137.9/50

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: -8.074 ± 0.179 $\chi^2/\text{NDF}: 244.2/20$

Left In: -5.690 ± 0.041 $\chi^2/\text{NDF}: 2328.2/22$

Left: -5.686 ± 0.029 $\chi^2/\text{NDF}: 4559.2/47$

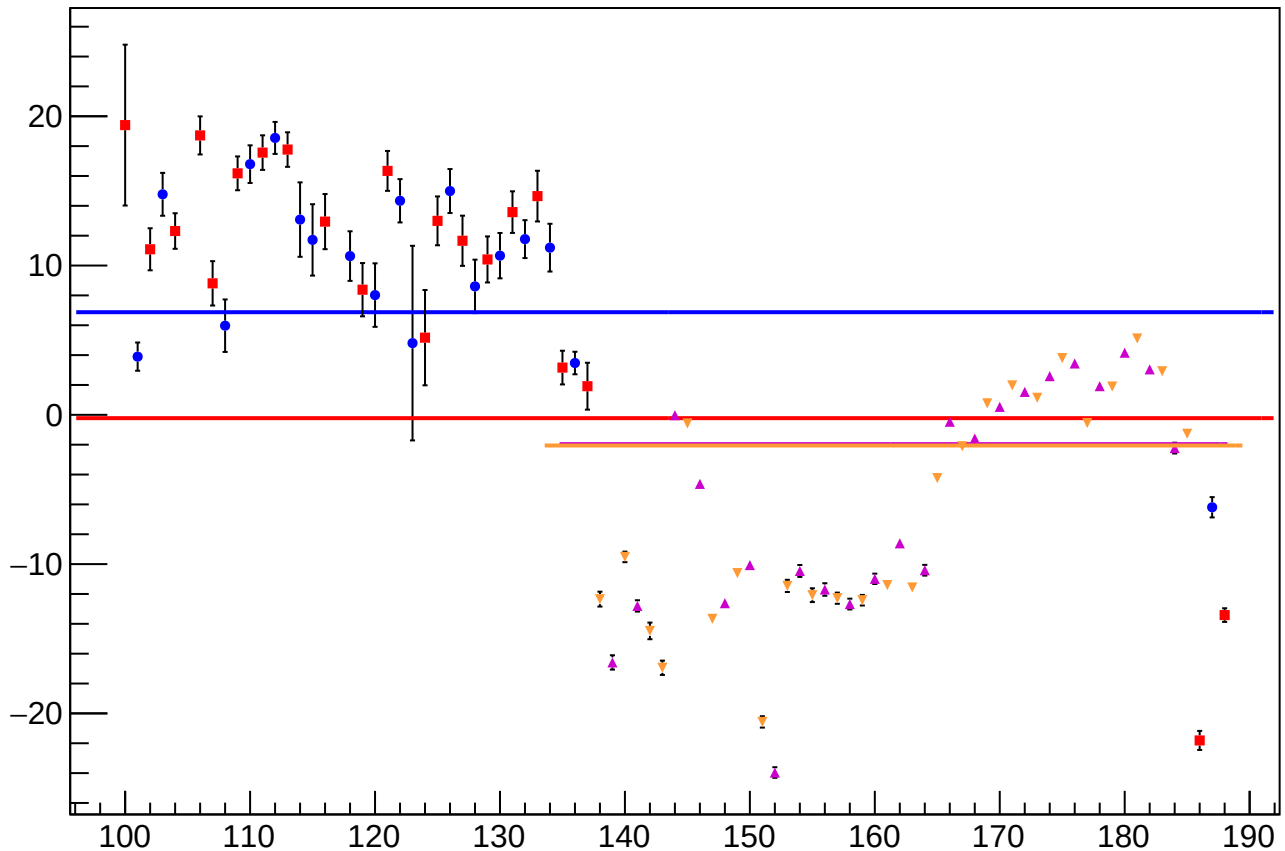
Right: -7.737 ± 0.128 $\chi^2/\text{NDF}: 752.0/38$

In: -5.769 ± 0.040 $\chi^2/\text{NDF}: 2909.7/40$

Out: -5.802 ± 0.040 $\chi^2/\text{NDF}: 2644.1/45$

All: -5.785 ± 0.028 $\chi^2/\text{NDF}: 5554.1/86$

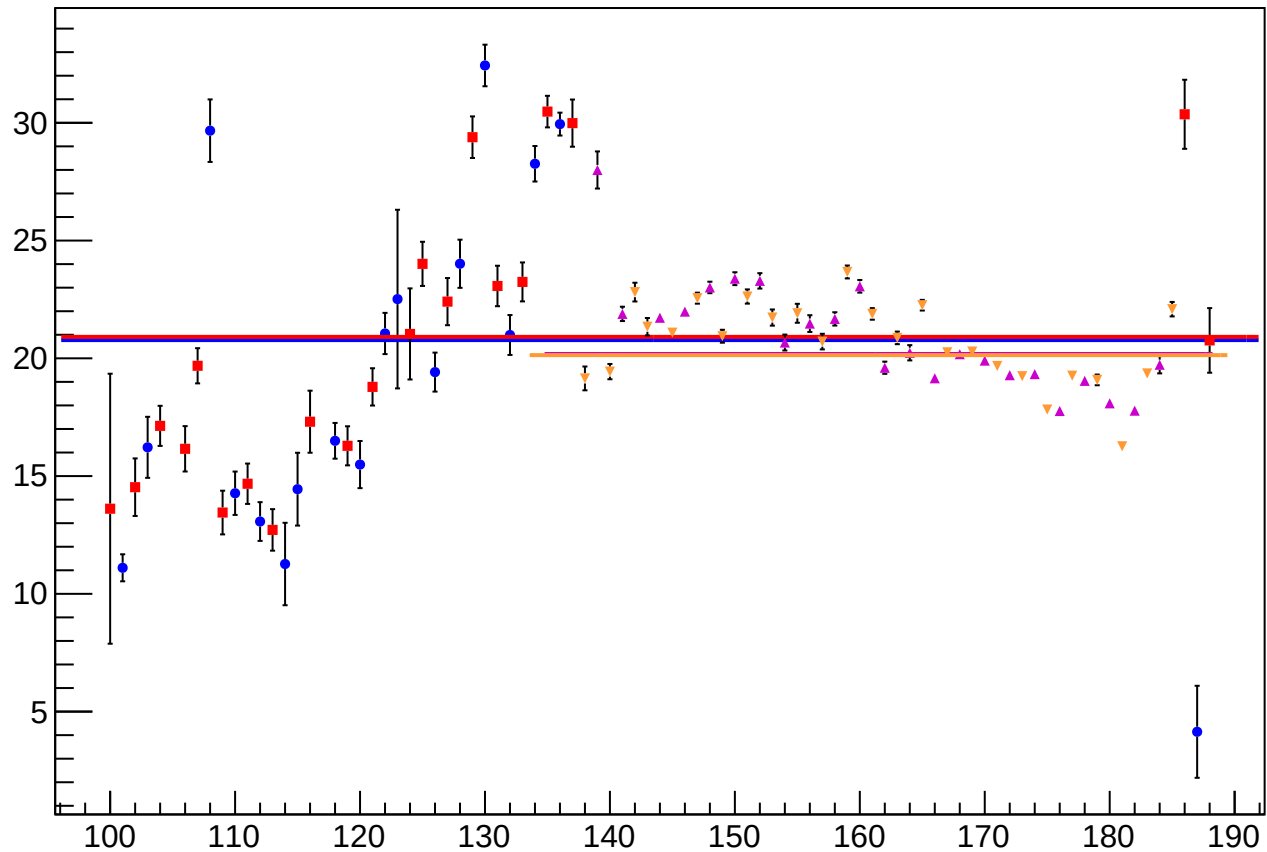
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -0.223 ± 0.248 $\chi^2/\text{NDF}: 3692.1/20$
 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: 2.634 ± 0.192 $\chi^2/\text{NDF}: 4734.7/38$
 In: -1.717 ± 0.050 $\chi^2/\text{NDF}: 17038.7/40$
 Out: -1.979 ± 0.050 $\chi^2/\text{NDF}: 19787.0/45$
 All: -1.848 ± 0.036 $\chi^2/\text{NDF}: 36839.2/86$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.774+/-0.208 χ^2/NDF : 1298.8/17

Left Out: 20.136+/-0.046 χ^2/NDF : 1414.2/24

Right Out: 20.911+/-0.208 χ^2/NDF : 772.3/20

Left In: 20.184+/-0.046 χ^2/NDF : 1470.7/22

Left: 20.160+/-0.032 χ^2/NDF : 2885.5/47

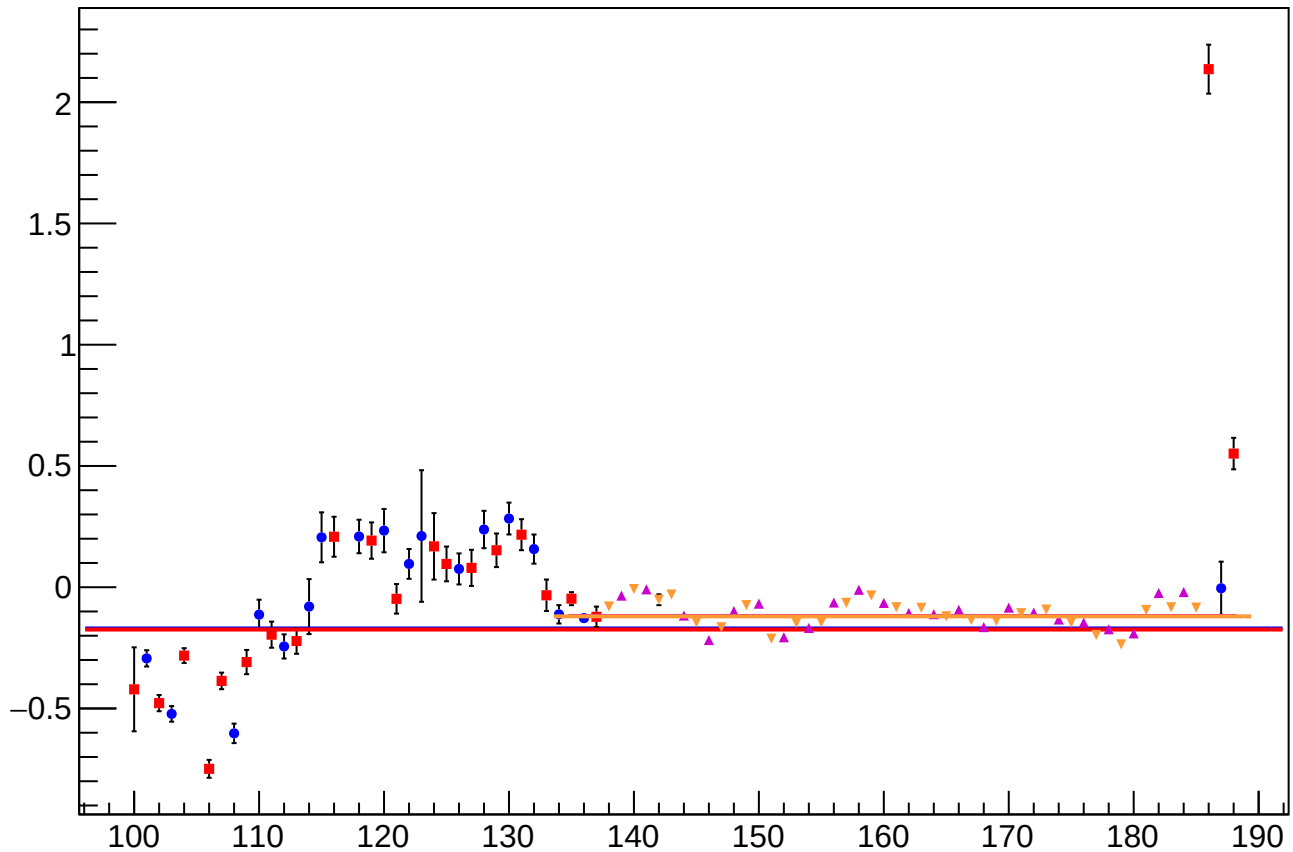
Right: 20.843+/-0.147 χ^2/NDF : 2071.3/38

In: 20.211+/-0.045 χ^2/NDF : 2777.1/40

Out: 20.172+/-0.045 χ^2/NDF : 2199.8/45

All: 20.192+/-0.032 χ^2/NDF : 4977.3/86

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: -0.175 ± 0.011 χ^2/NDF : 1203.7/20

Left In: -0.118 ± 0.002 χ^2/NDF : 727.5/22

Left: -0.119 ± 0.001 χ^2/NDF : 1260.2/47

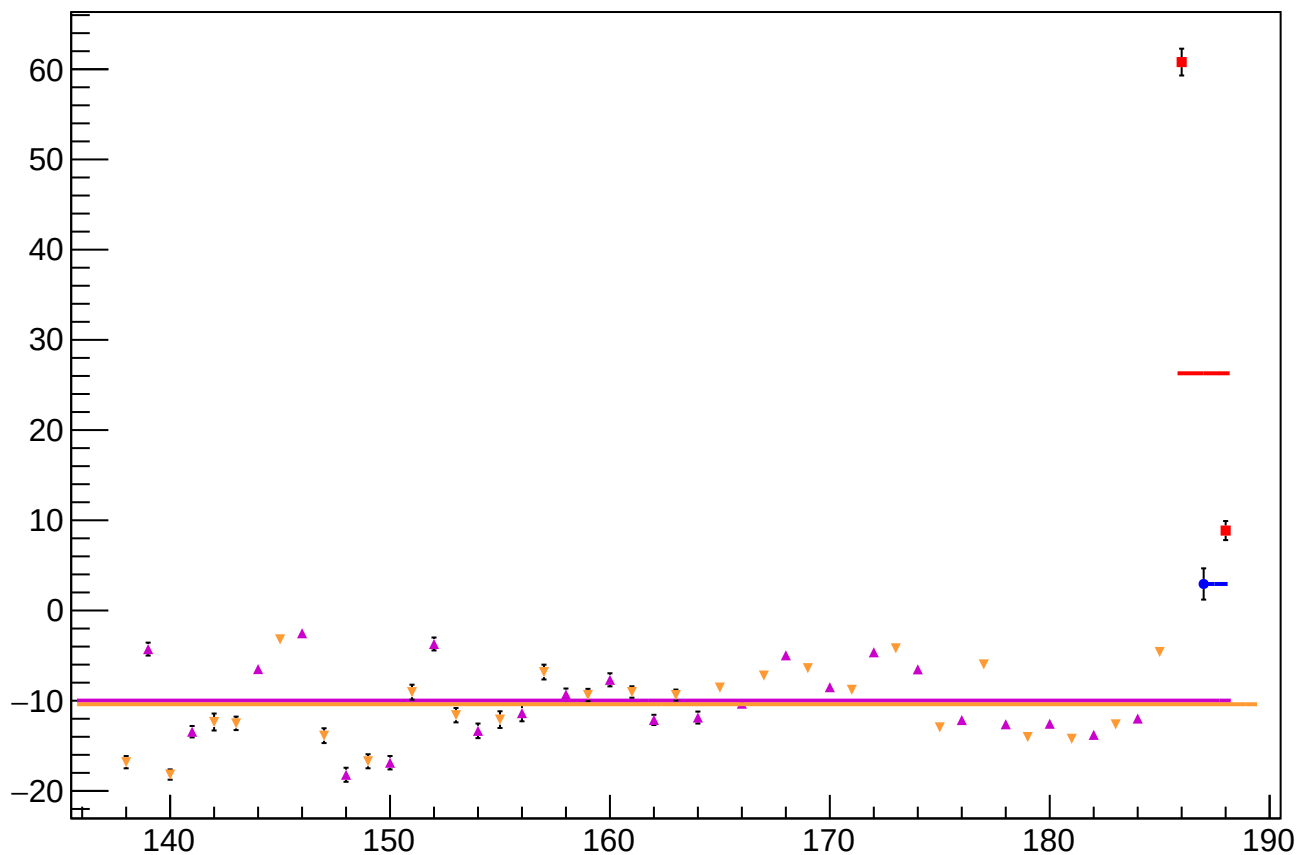
Right: -0.172 ± 0.008 χ^2/NDF : 1670.3/38

In: -0.120 ± 0.002 χ^2/NDF : 1214.7/40

Out: -0.122 ± 0.002 χ^2/NDF : 1760.9/45

All: -0.121 ± 0.001 χ^2/NDF : 2976.0/86

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: 26.294 ± 0.861 χ^2/NDF : 810.7/1

Left In: -9.990 ± 0.089 χ^2/NDF : 1794.2/22

Left: -10.194 ± 0.063 χ^2/NDF : 3917.0/47

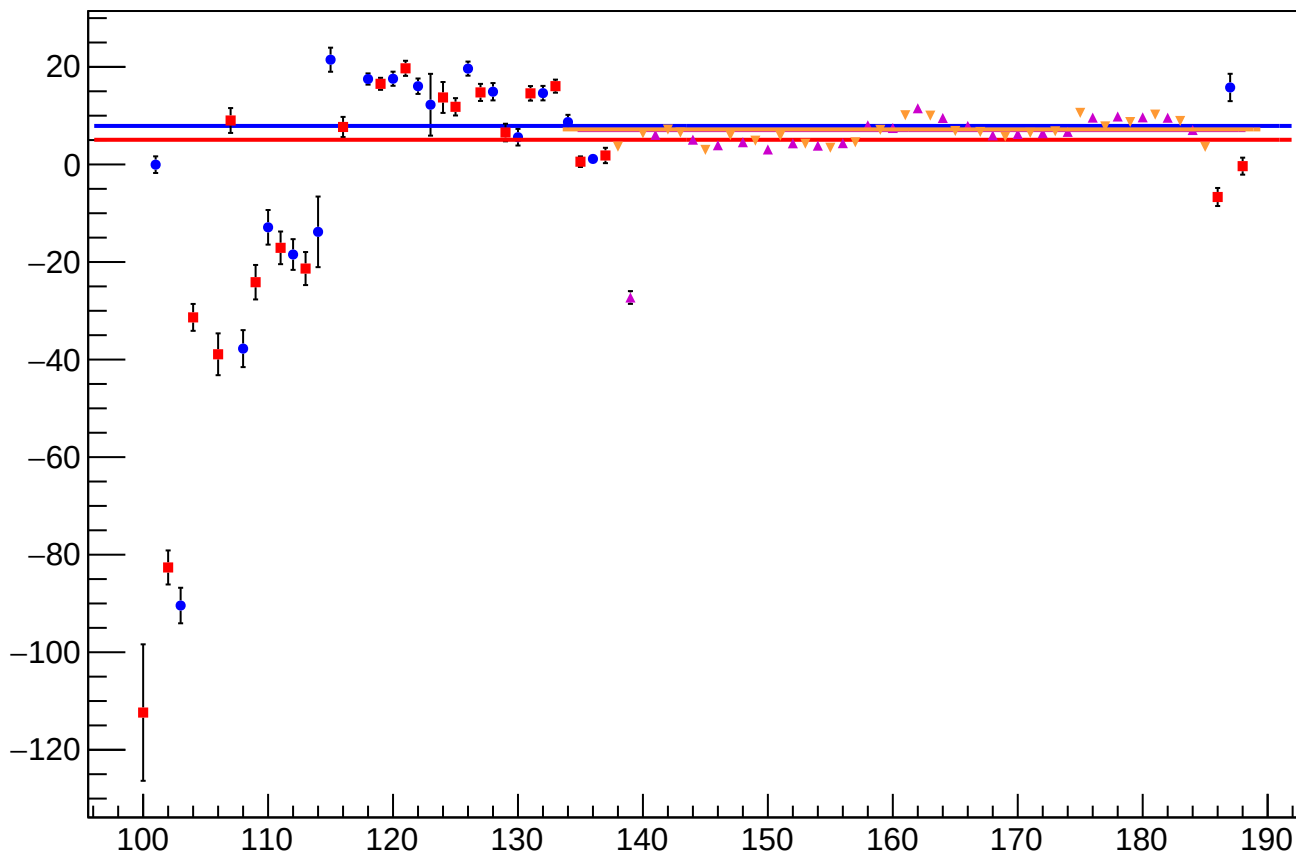
Right: 21.665 ± 0.771 χ^2/NDF : 956.5/2

In: -9.956 ± 0.089 χ^2/NDF : 1849.8/23

Out: -10.014 ± 0.087 χ^2/NDF : 4718.7/26

All: -9.985 ± 0.062 χ^2/NDF : 6568.6/50

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.899 ± 0.399 χ^2/NDF : 1366.5/17

Left Out: 7.187 ± 0.074 χ^2/NDF : 916.3/24

Right Out: 5.058 ± 0.411 χ^2/NDF : 1567.1/20

Left In: 7.043 ± 0.074 χ^2/NDF : 1604.6/22

Left: 7.115 ± 0.052 χ^2/NDF : 2522.8/47

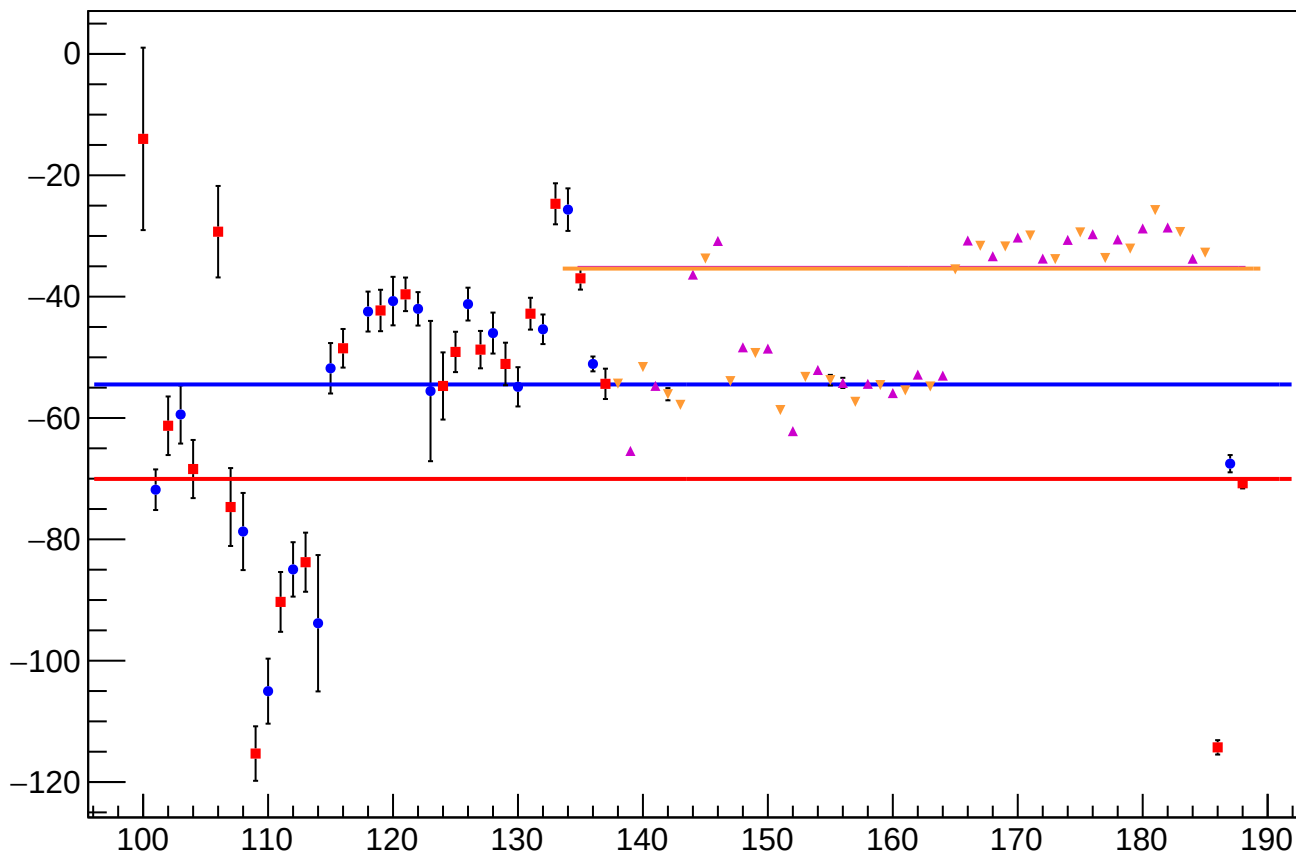
Right: 6.521 ± 0.286 χ^2/NDF : 2958.2/38

In: 7.072 ± 0.073 χ^2/NDF : 2975.5/40

Out: 7.121 ± 0.072 χ^2/NDF : 2509.4/45

All: 7.096 ± 0.051 χ^2/NDF : 5485.1/86

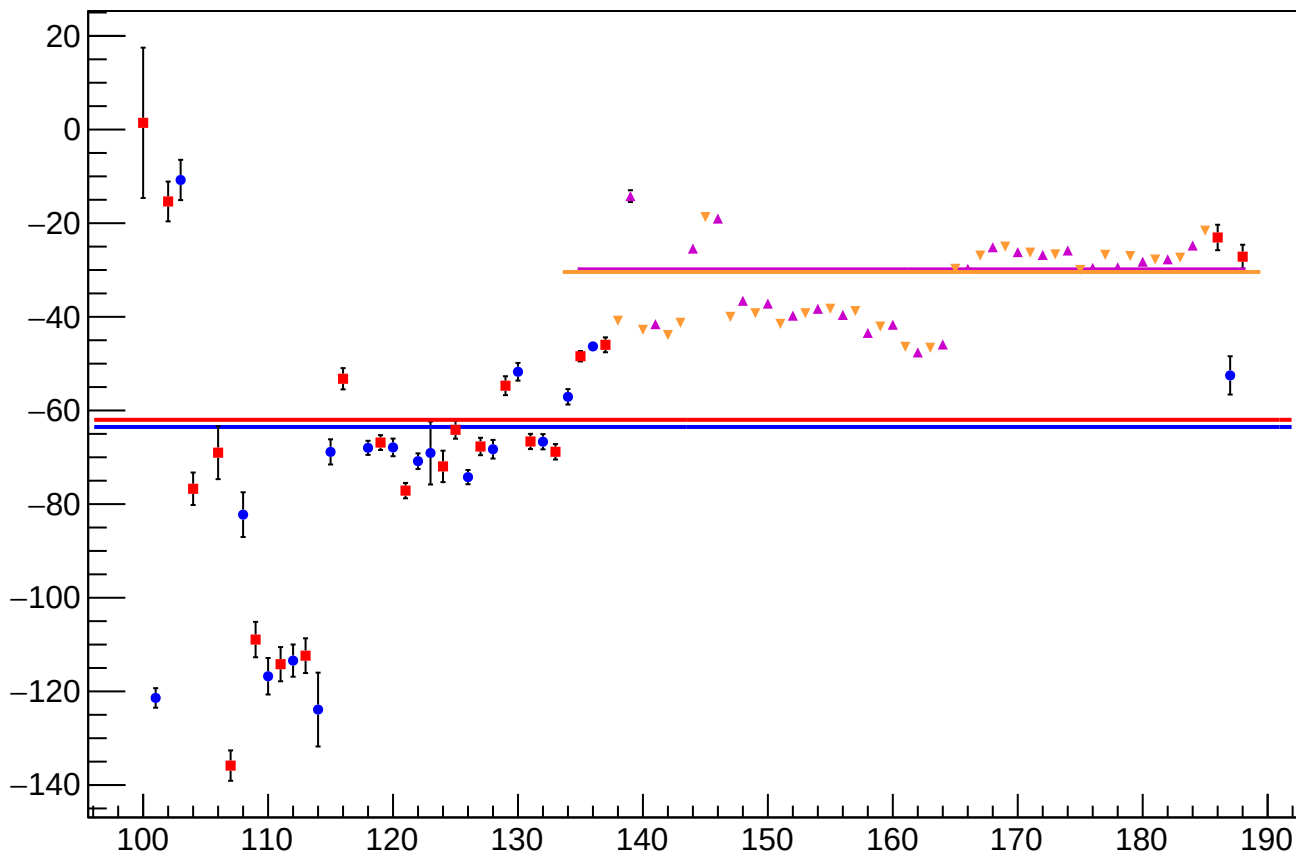
reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -70.042 ± 0.523 $\chi^2/\text{NDF}: 2561.8/20$
 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: -63.979 ± 0.409 $\chi^2/\text{NDF}: 3346.3/38$
 In: -35.614 ± 0.089 $\chi^2/\text{NDF}: 13053.1/40$
 Out: -36.354 ± 0.088 $\chi^2/\text{NDF}: 19459.1/45$
 All: -35.989 ± 0.062 $\chi^2/\text{NDF}: 32547.2/86$

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525 ± 0.443 χ^2/NDF : 2022.1/17

Left Out: -30.415 ± 0.082 χ^2/NDF : 8132.2/24

Right Out: -61.994 ± 0.467 χ^2/NDF : 2025.4/20

Left In: -29.863 ± 0.082 χ^2/NDF : 7145.9/22

Left: -30.141 ± 0.058 χ^2/NDF : 15300.8/47

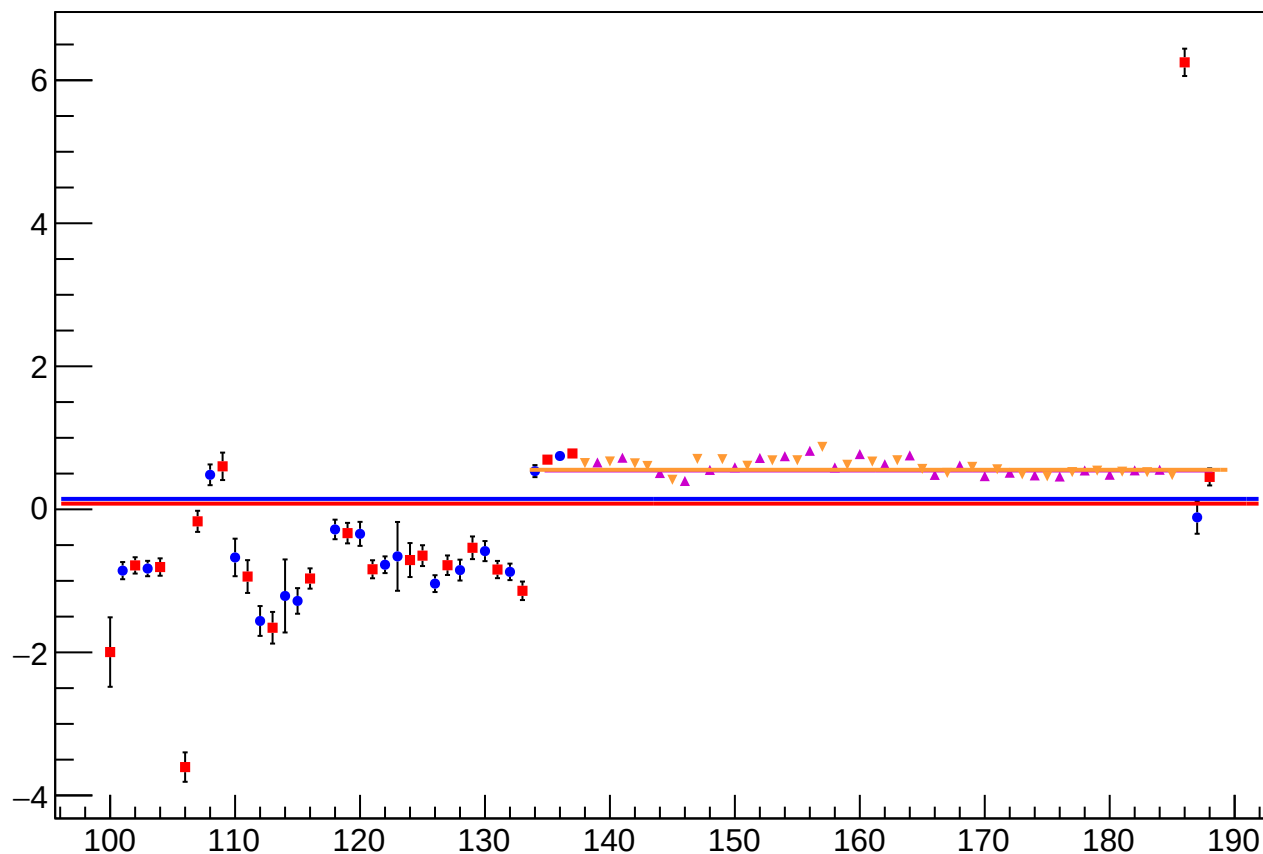
Right: -62.800 ± 0.321 χ^2/NDF : 4053.1/38

In: -30.986 ± 0.081 χ^2/NDF : 14755.9/40

Out: -31.351 ± 0.080 χ^2/NDF : 14594.0/45

All: -31.170 ± 0.057 χ^2/NDF : 29360.1/86

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: 0.080 $\pm$ 0.025 χ^2 /NDF: 2245.6/20

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

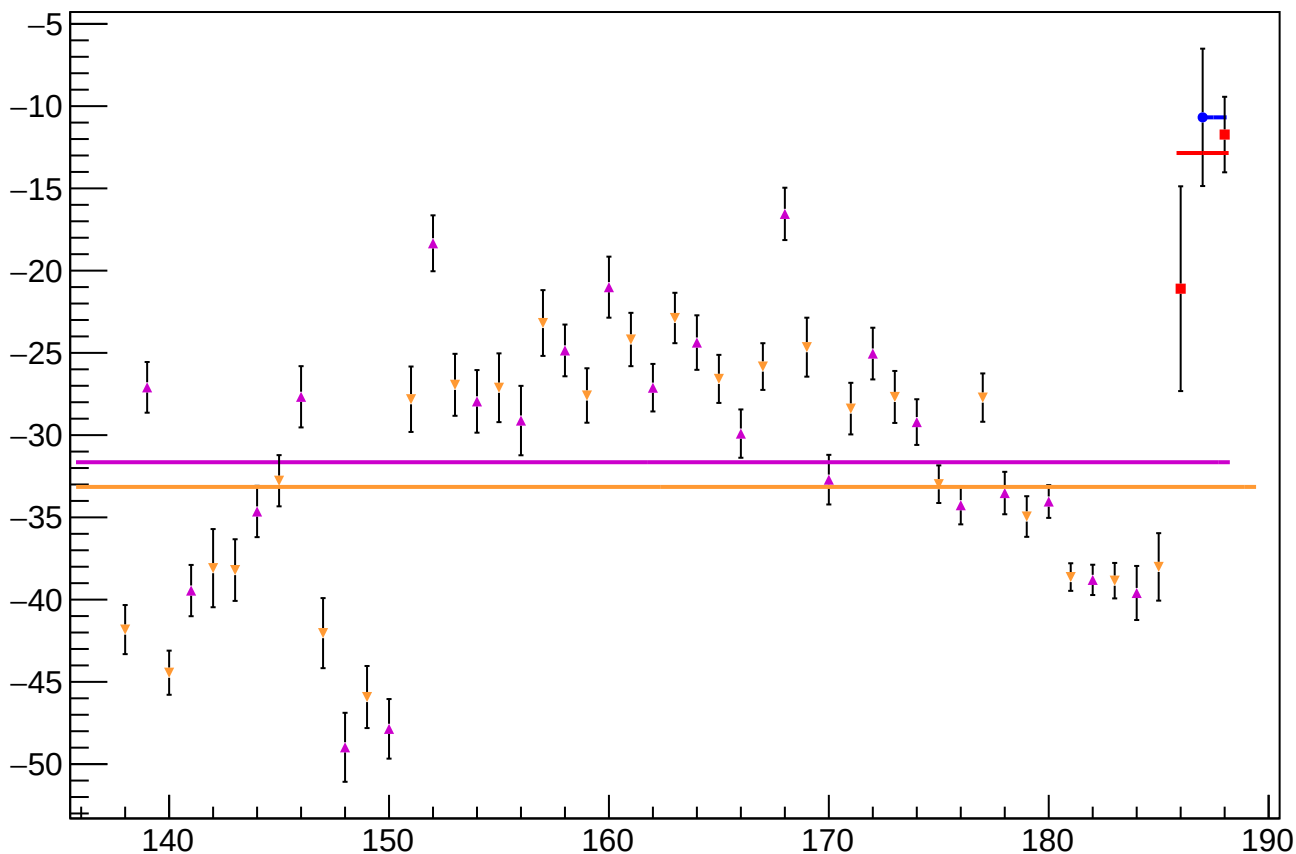
Right: 0.115 $\pm$ 0.017 χ^2 /NDF: 3240.4/38

In: 0.534 $\pm$ 0.004 χ^2 /NDF:1921.4/40

Out: 0.543 $\pm$ 0.004 χ^2 /NDF:3129.1/45

All: 0.538 $\pm$ 0.003 χ^2 /NDF: 5053.5/86

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: -12.849 ± 2.154 $\chi^2/\text{NDF}: 2.0/1$

Left In: -31.647 ± 0.308 $\chi^2/\text{NDF}: 546.9/22$

Left: -32.414 ± 0.215 $\chi^2/\text{NDF}: 1059.0/47$

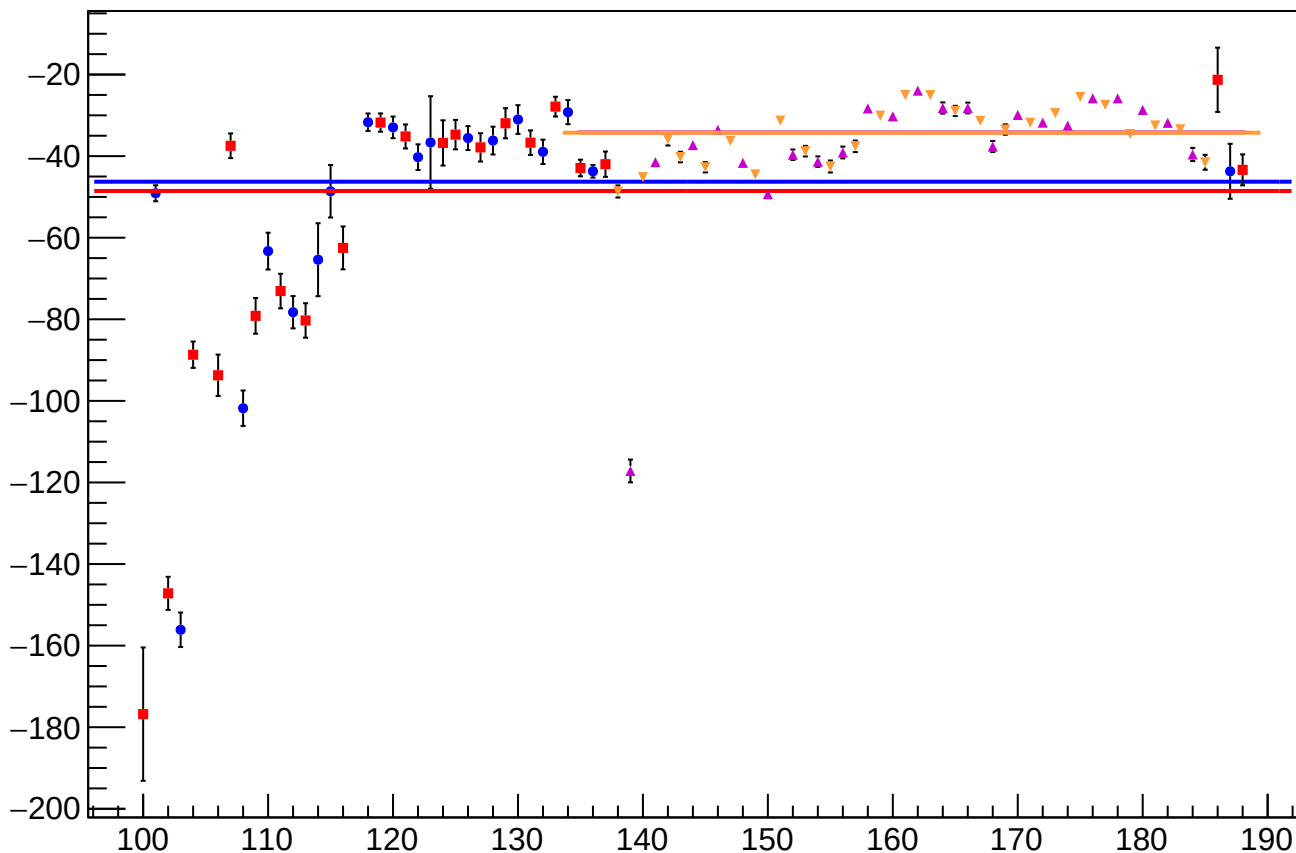
Right: -12.394 ± 1.914 $\chi^2/\text{NDF}: 2.2/2$

In: -31.534 ± 0.307 $\chi^2/\text{NDF}: 572.0/23$

Out: -32.760 ± 0.298 $\chi^2/\text{NDF}: 589.1/26$

All: -32.165 ± 0.214 $\chi^2/\text{NDF}: 1169.3/50$

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: -48.543 ± 0.745 $\chi^2/\text{NDF}: 1285.8/20$

Left In: -34.189 ± 0.250 $\chi^2/\text{NDF}: 1546.1/22$

Left: -34.224 ± 0.174 $\chi^2/\text{NDF}: 2239.5/47$

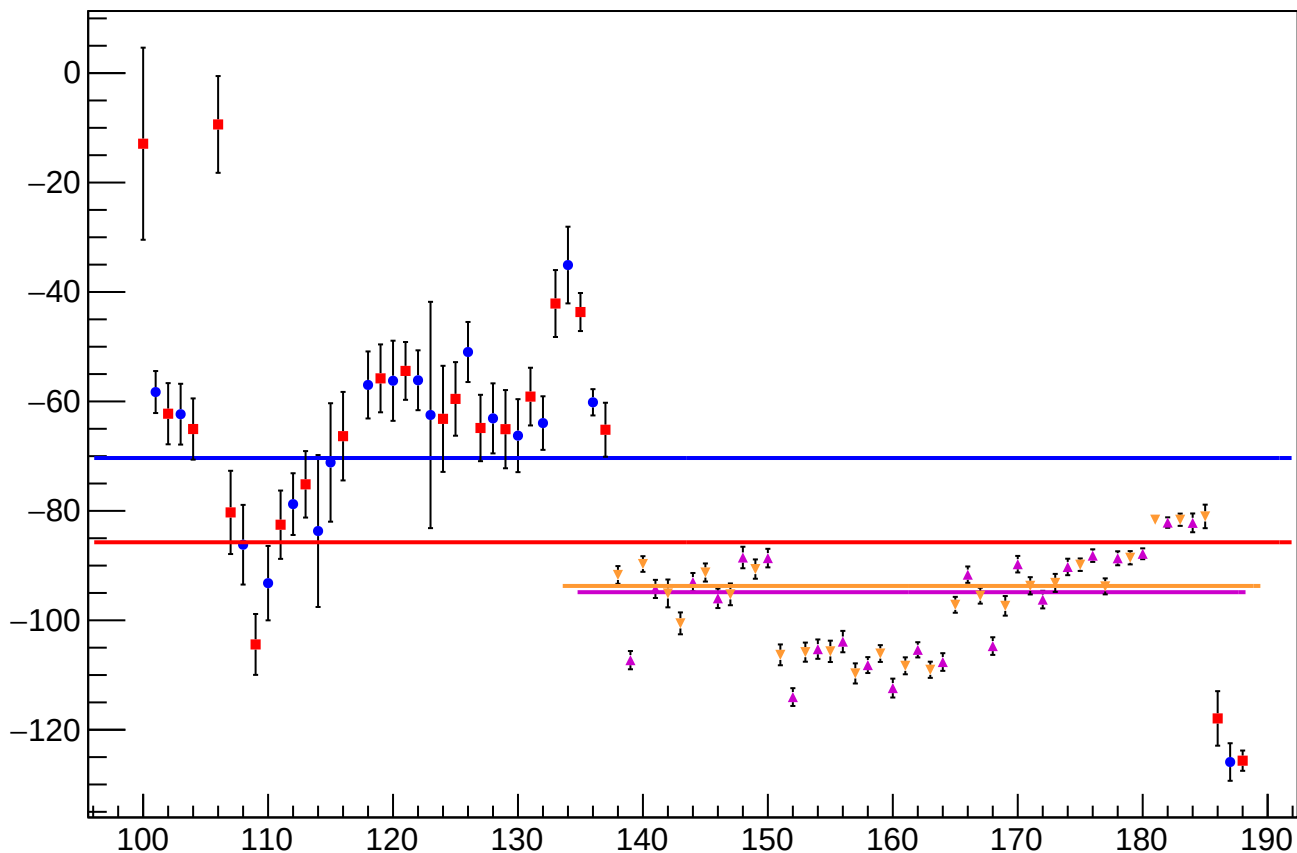
Right: -47.365 ± 0.517 $\chi^2/\text{NDF}: 2374.8/38$

In: -35.495 ± 0.236 $\chi^2/\text{NDF}: 2882.4/40$

Out: -35.619 ± 0.230 $\chi^2/\text{NDF}: 2311.5/45$

All: -35.559 ± 0.165 $\chi^2/\text{NDF}: 5194.0/86$

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: -85.738 ± 1.080 $\chi^2/\text{NDF}: 989.3/20$

Left In: -94.861 ± 0.307 $\chi^2/\text{NDF}: 985.5/22$

Left: -94.280 ± 0.215 $\chi^2/\text{NDF}: 1870.7/47$

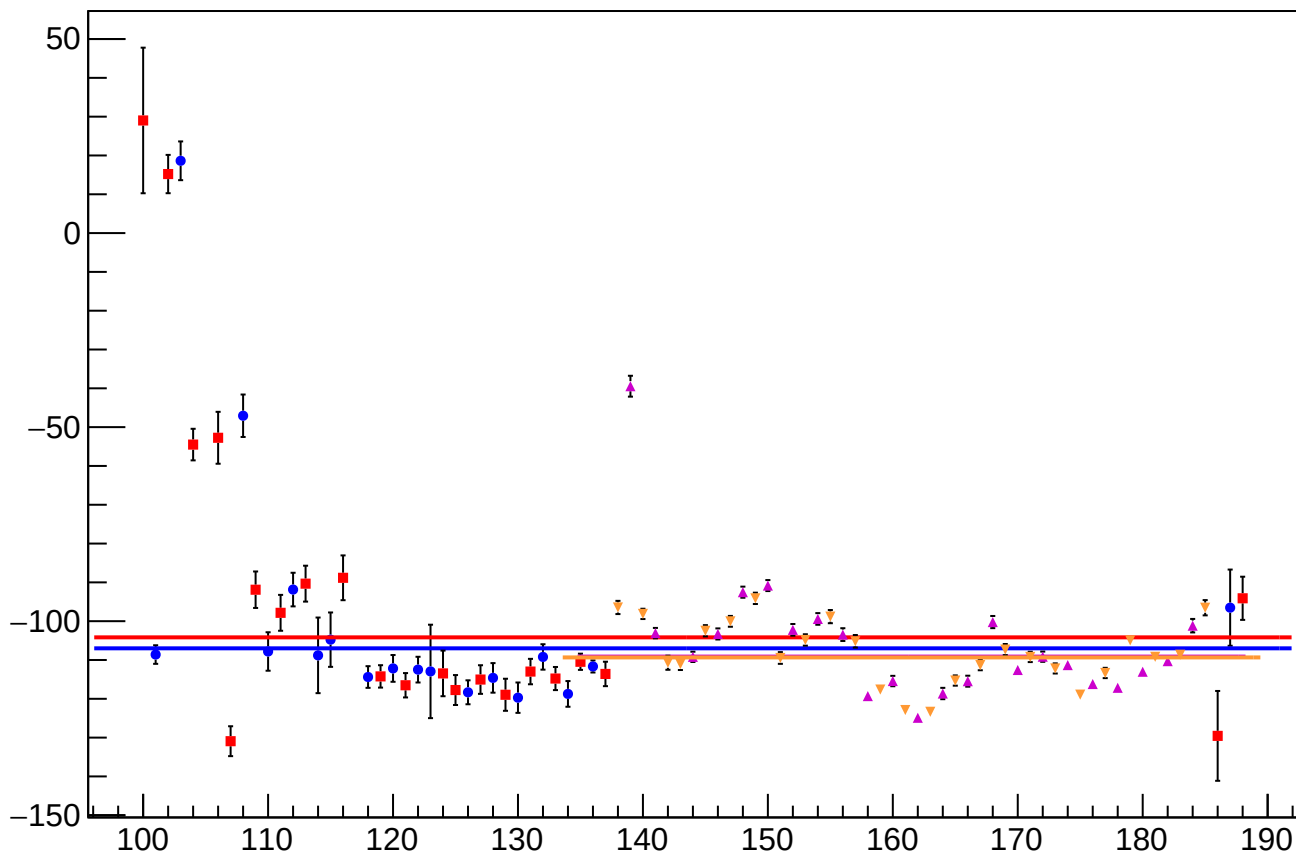
Right: -78.996 ± 0.810 $\chi^2/\text{NDF}: 1446.0/38$

In: -93.407 ± 0.298 $\chi^2/\text{NDF}: 1730.8/40$

Out: -93.139 ± 0.291 $\chi^2/\text{NDF}: 1918.2/45$

All: -93.270 ± 0.208 $\chi^2/\text{NDF}: 3649.3/86$

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: -104.169 ± 0.849 χ^2/NDF : 1026.7/20

Left In: -109.126 ± 0.279 χ^2/NDF : 1578.7/22

Left: -109.235 ± 0.195 χ^2/NDF : 2405.2/47

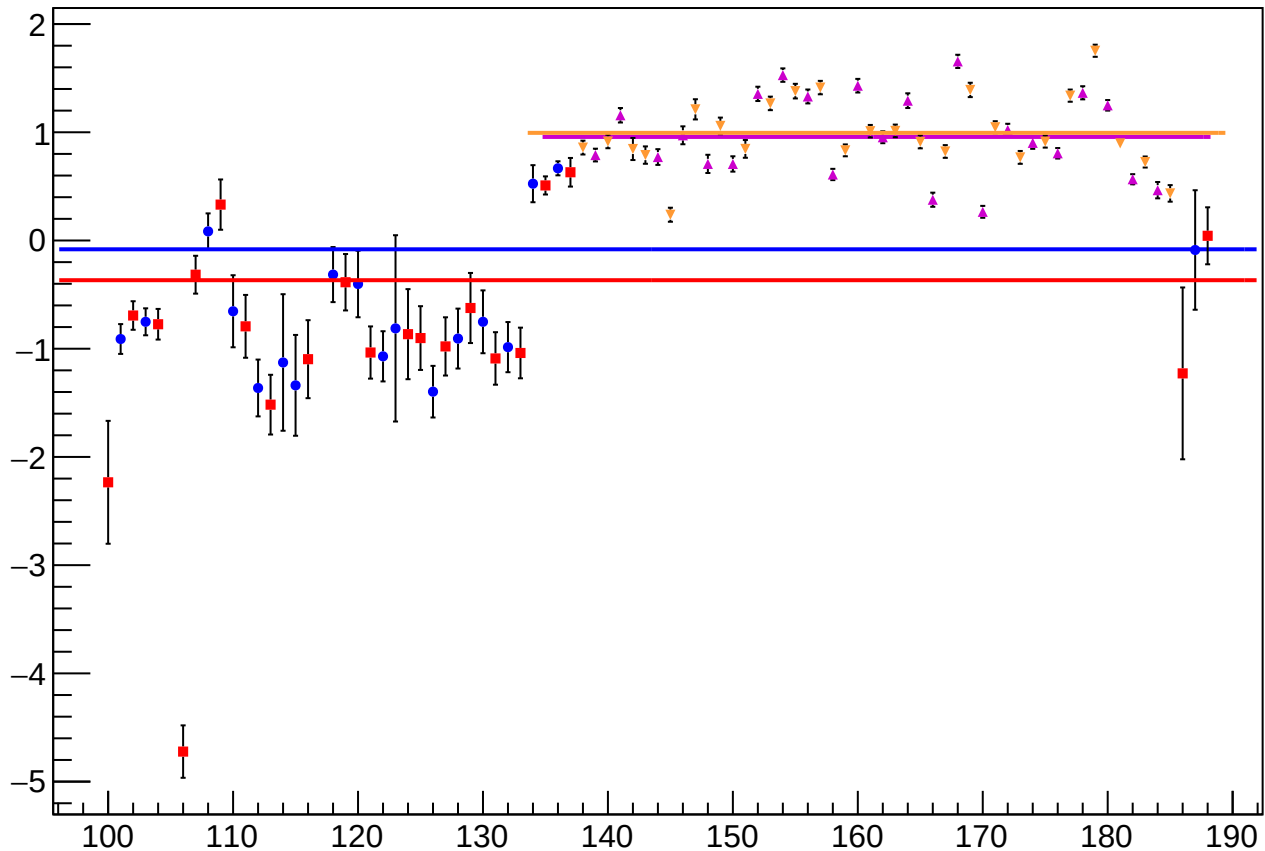
Right: -105.650 ± 0.585 χ^2/NDF : 1862.1/38

In: -108.899 ± 0.264 χ^2/NDF : 2414.4/40

Out: -108.857 ± 0.259 χ^2/NDF : 1886.6/45

All: -108.878 ± 0.185 χ^2/NDF : 4301.0/86

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: -0.367 ± 0.043 χ^2/NDF : 586.7/20

Left In: 0.957 ± 0.013 χ^2/NDF : 896.5/22

Left: 0.976 ± 0.009 χ^2/NDF : 1536.3/47

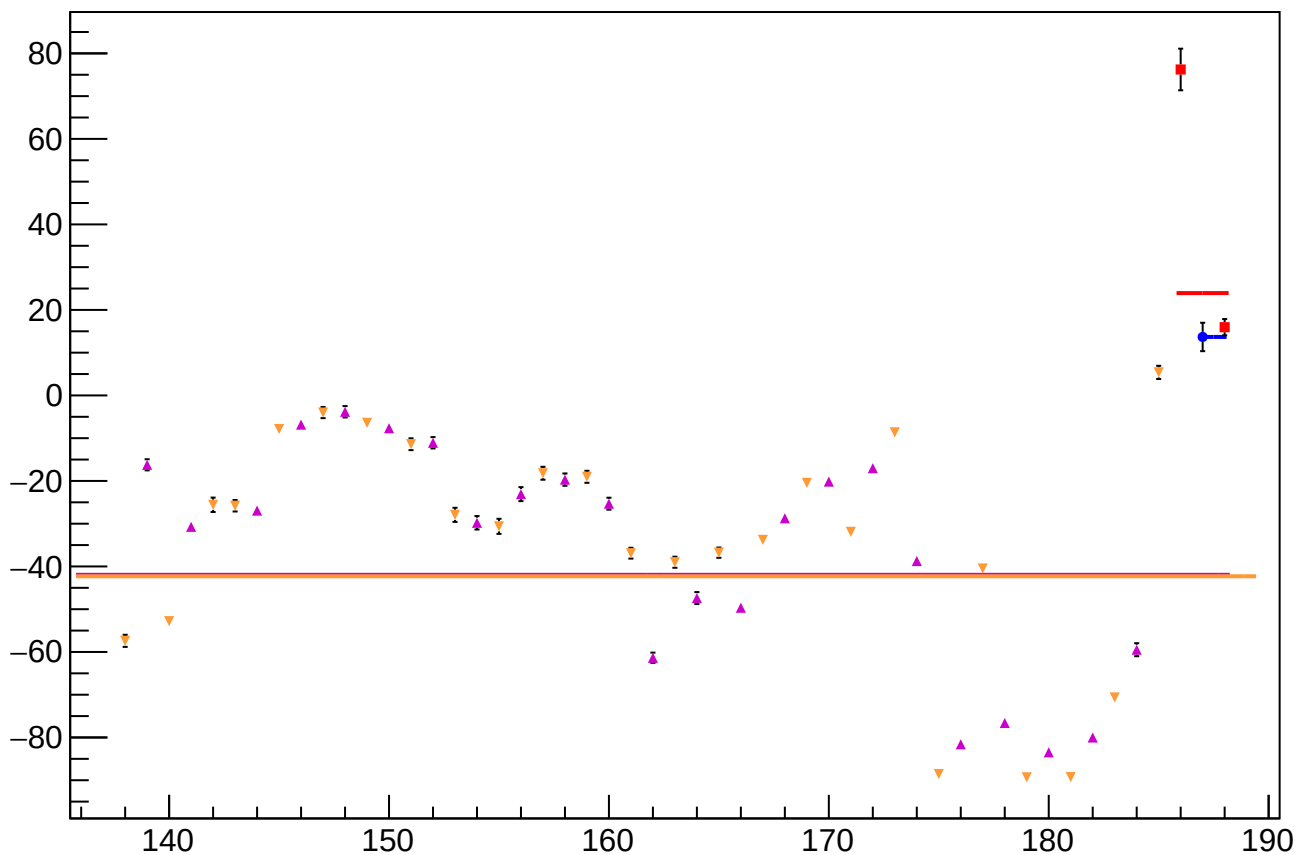
Right: -0.220 ± 0.030 χ^2/NDF : 938.1/38

In: 0.871 ± 0.012 χ^2/NDF : 1784.9/40

Out: 0.891 ± 0.012 χ^2/NDF : 2138.2/45

All: 0.881 ± 0.008 χ^2/NDF : 3924.4/86

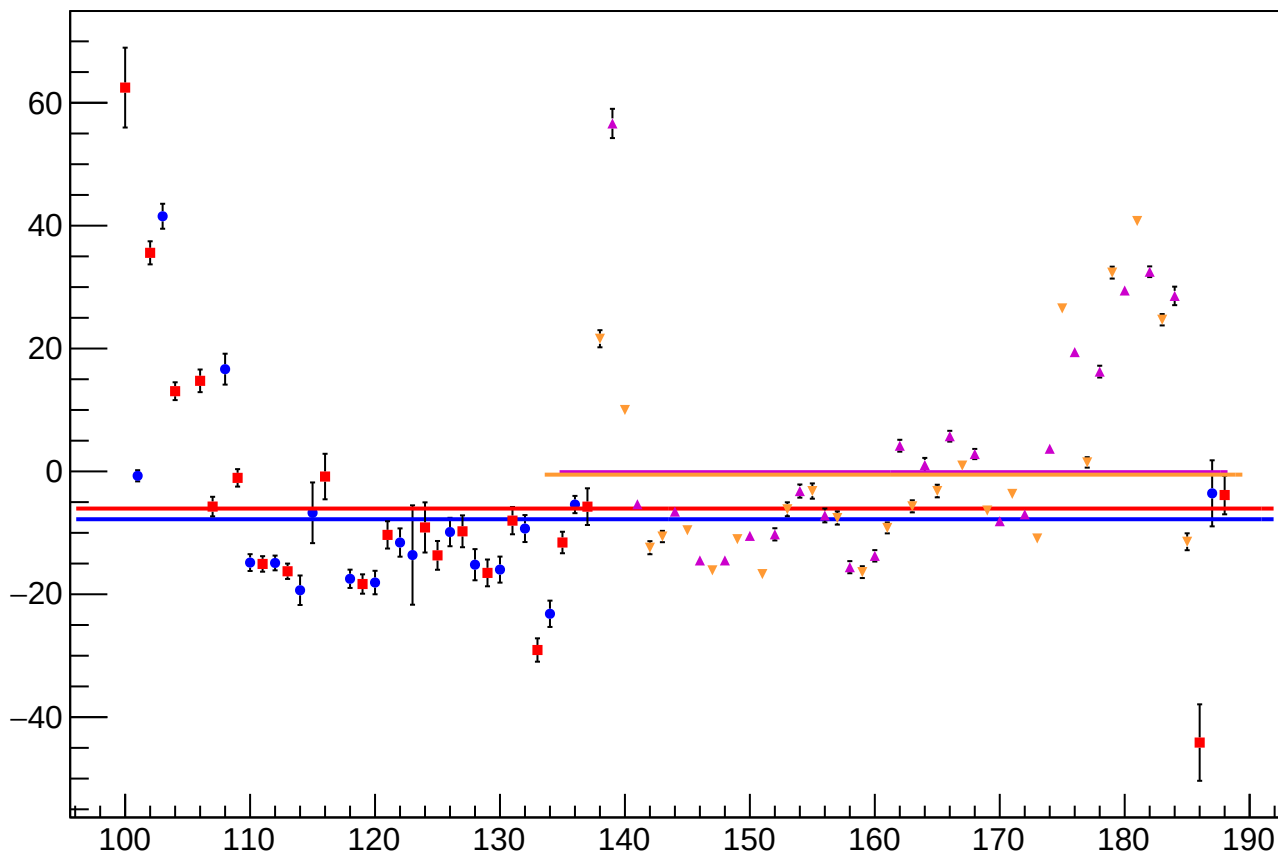
reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 13.675+/-3.323 χ^2/NDF : 0.0/0
 Left Out: -42.295+/-0.222 χ^2/NDF :18267.5/24
 Right Out: 23.937+/-1.771 χ^2/NDF : 133.1/1
 Left In: -41.955+/-0.226 χ^2/NDF :14723.4/22

Left: -42.128+/-0.159 χ^2/NDF : 32992.1/47
 Right: 21.668+/-1.563 χ^2/NDF : 140.5/2
 In: -41.699+/-0.225 χ^2/NDF :15002.4/23
 Out: -41.266+/-0.221 χ^2/NDF :19778.2/26
 All: -41.478+/-0.158 χ^2/NDF : 34782.4/50

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



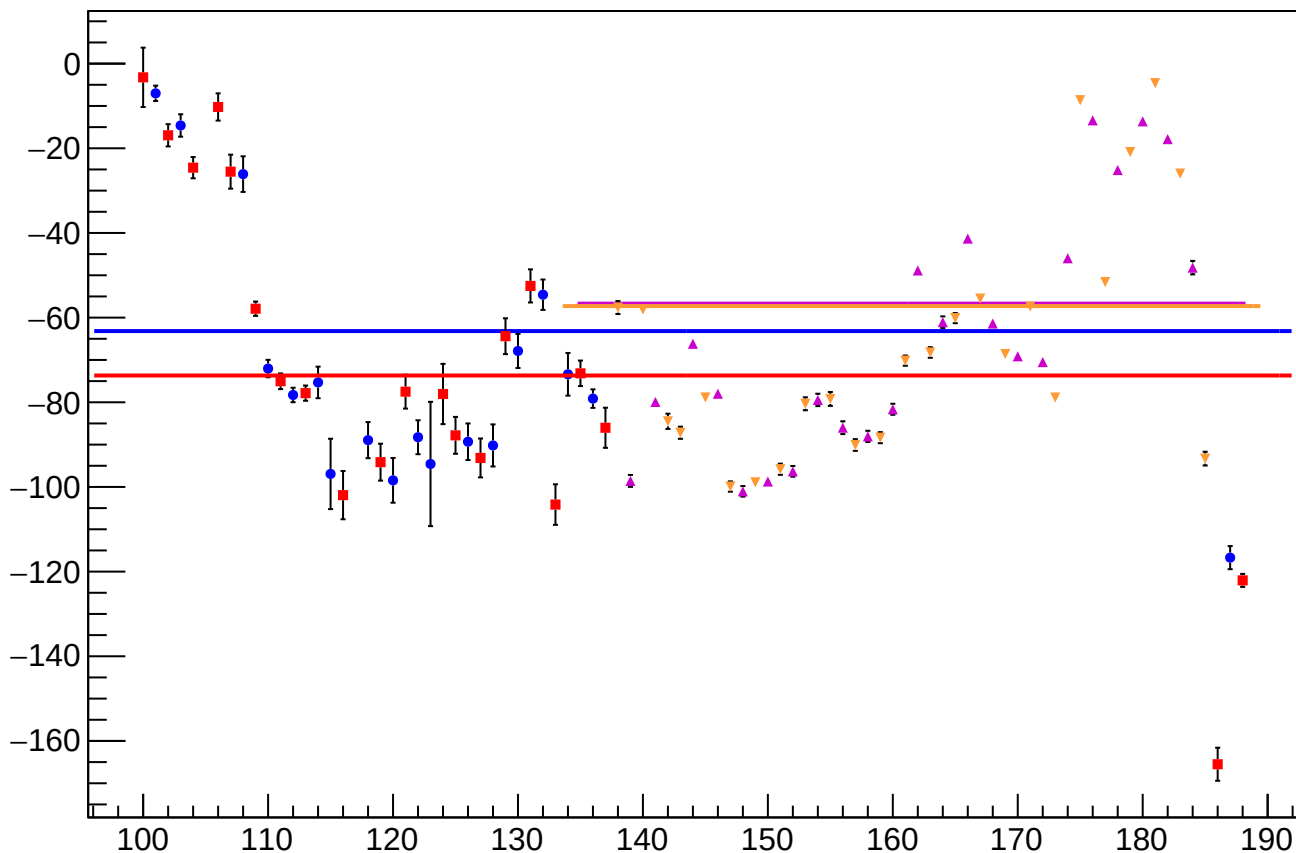
Right In: -7.785 ± 0.426 χ^2/NDF : 983.4/17
 Left Out: -0.527 ± 0.175 χ^2/NDF : 8707.9/24
 Right Out: -6.048 ± 0.424 χ^2/NDF : 1331.1/20
 Left In: -0.125 ± 0.179 χ^2/NDF : 6925.0/22

Left: -0.331 ± 0.125 χ^2/NDF : 15635.5/47
 Right: -6.913 ± 0.301 χ^2/NDF : 2322.9/38

In: -1.270 ± 0.165 χ^2/NDF : 8183.5/40
 Out: -1.328 ± 0.162 χ^2/NDF : 10183.9/45

All: -1.300 ± 0.115 χ^2/NDF : 18367.4/86

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: -73.674+/-0.632 χ^2/NDF : 3278.8/20

Left In: -56.705+/-0.226 χ^2/NDF :16547.5/22

Left: -56.993+/-0.159 χ^2/NDF : 35061.8/47

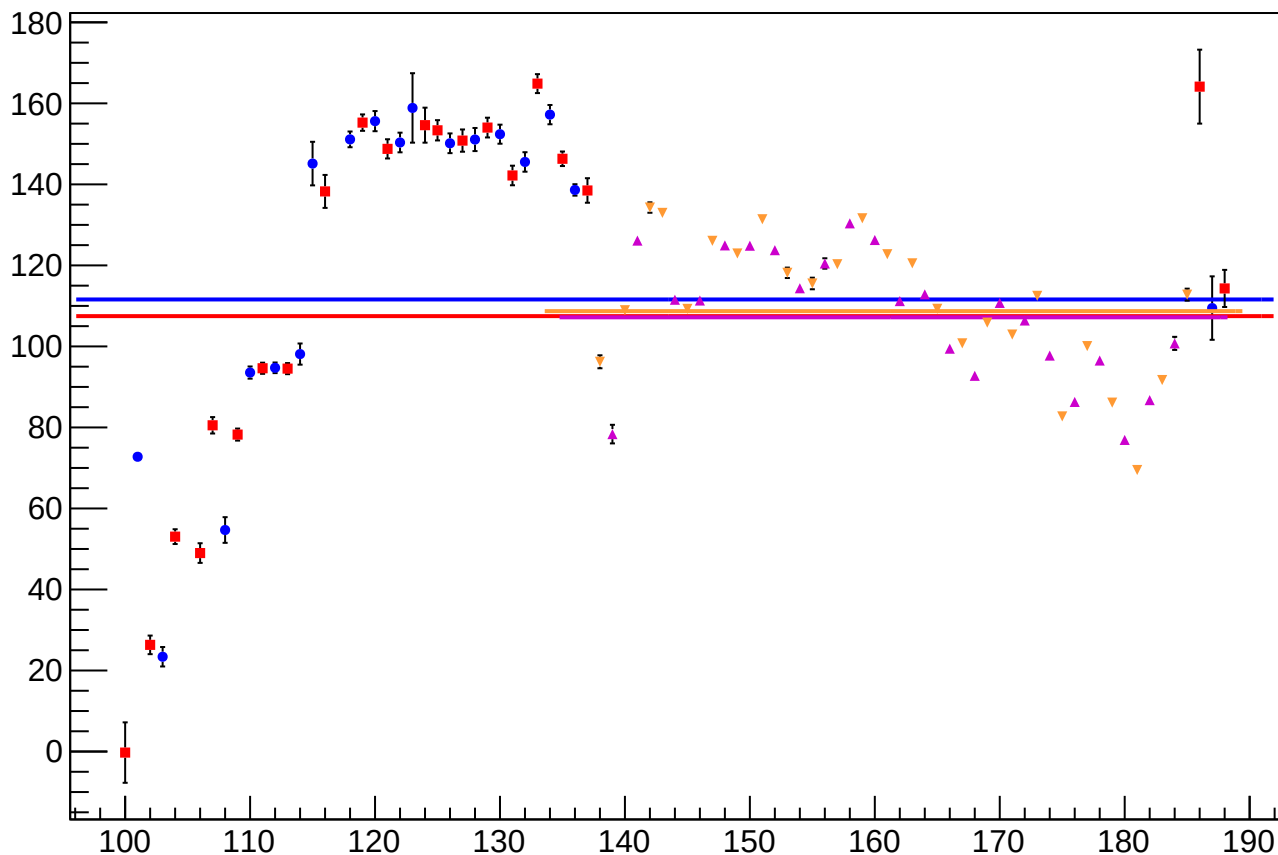
Right: -69.093+/-0.474 χ^2/NDF : 5531.9/38

In: -57.289+/-0.216 χ^2/NDF :18754.2/40

Out: -59.102+/-0.211 χ^2/NDF :22388.9/45

All: -58.216+/-0.151 χ^2/NDF : 41179.2/86

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: 107.477 $\pm$ 0.484 χ^2 /NDF: 7078.4/20

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

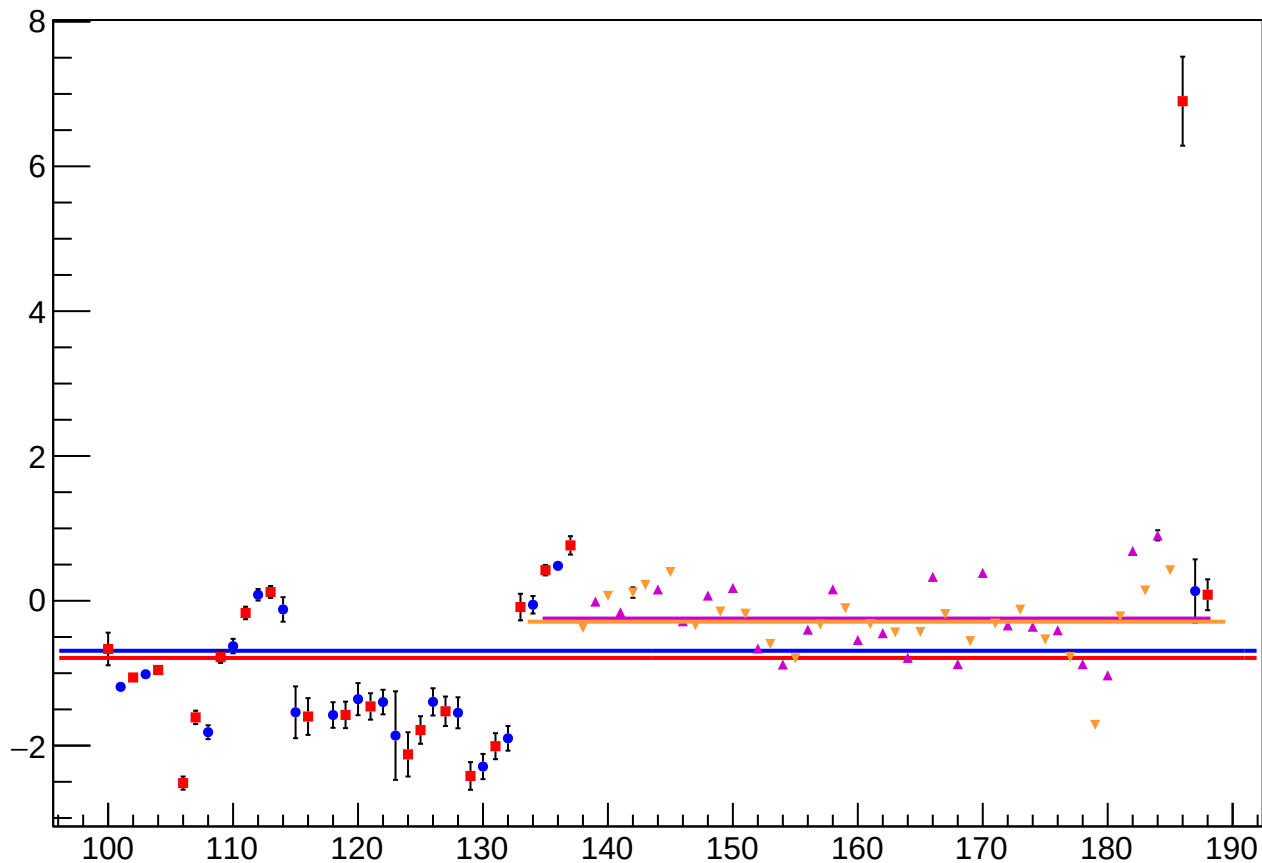
Right: 109.528 $\pm$ 0.343 χ^2 /NDF: 13074.0/38

In: 107.829 $\pm$ 0.186 χ^2 /NDF: 11622.2/40

Out: 108.533 $\pm$ 0.183 χ^2 /NDF: 14380.9/45

All: 108.187 $\pm$ 0.131 χ^2 /NDF: 26010.4/86

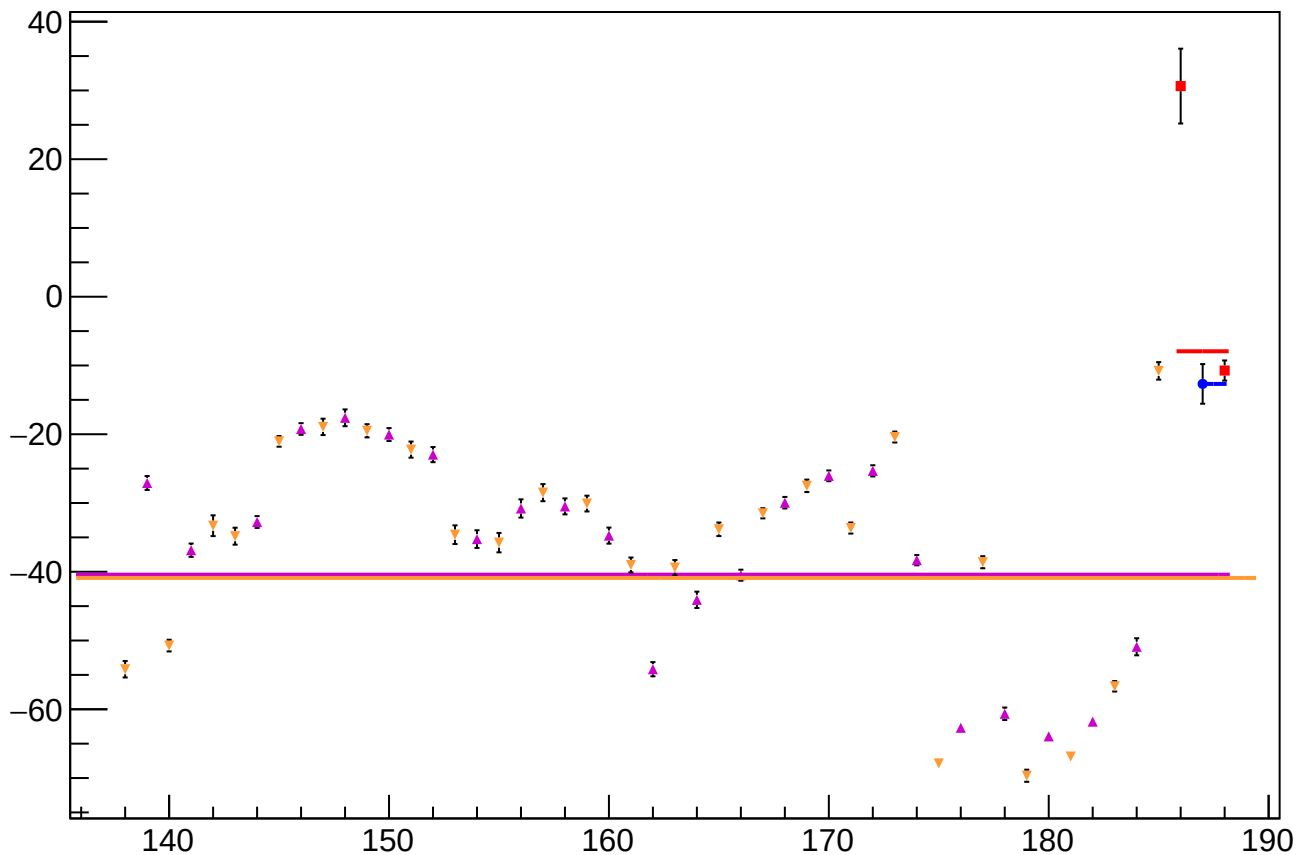
reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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 : 1484.8/20
 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 : 2489.3/38
 In: -0.296 ± 0.009 χ^2/NDF : 4065.7/40
 Out: -0.351 ± 0.009 χ^2/NDF : 3900.5/45
 All: -0.324 ± 0.006 χ^2/NDF : 7986.5/86

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



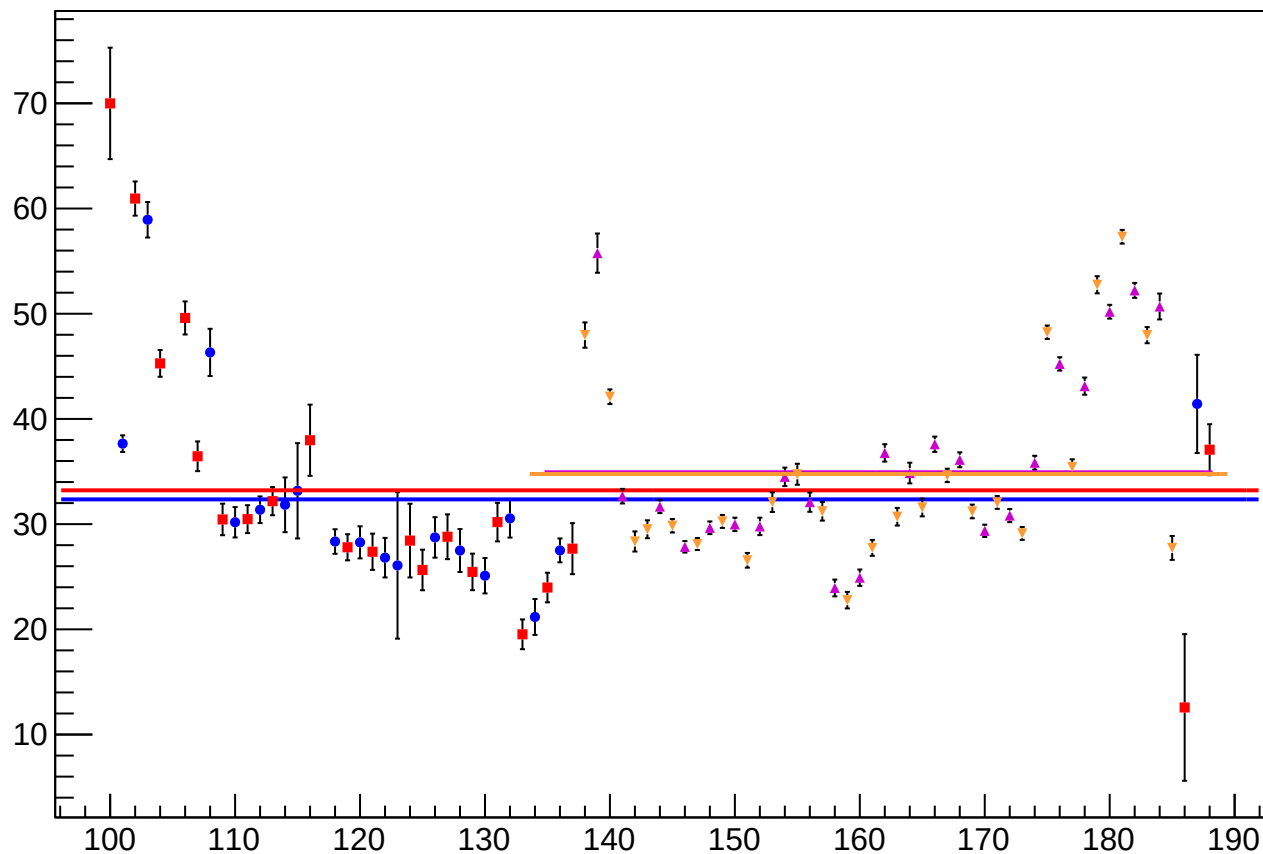
Right In: -12.681 ± 2.883 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -40.897 ± 0.186 $\chi^2/\text{NDF}: 9114.7/24$
 Right Out: -7.935 ± 1.416 $\chi^2/\text{NDF}: 53.9/1$
 Left In: -40.422 ± 0.189 $\chi^2/\text{NDF}: 7030.2/22$

Left: -40.662 ± 0.133 $\chi^2/\text{NDF}: 16148.1/47$
 Right: -8.857 ± 1.271 $\chi^2/\text{NDF}: 56.1/2$

In: -40.303 ± 0.188 $\chi^2/\text{NDF}: 7122.4/23$
 Out: -40.335 ± 0.185 $\chi^2/\text{NDF}: 9701.4/26$

All: -40.319 ± 0.132 $\chi^2/\text{NDF}: 16823.7/50$

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.353+/-0.371 χ^2/NDF : 456.0/17

Left Out: 34.768+/-0.148 χ^2/NDF : 3677.3/24

Right Out: 33.213+/-0.374 χ^2/NDF : 781.6/20

Left In: 34.928+/-0.151 χ^2/NDF : 2688.4/22

Left: 34.846+/-0.106 χ^2/NDF : 6366.3/47

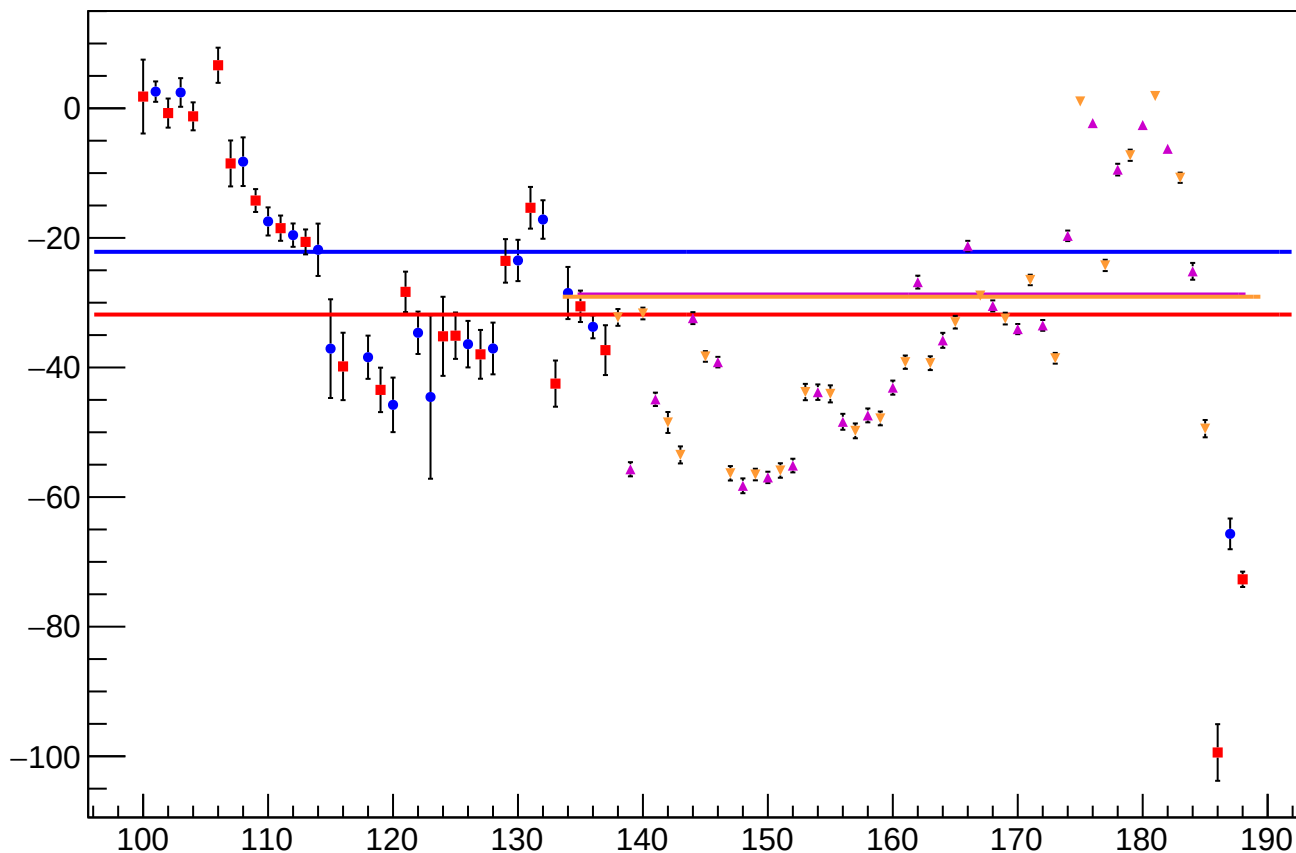
Right: 32.780+/-0.264 χ^2/NDF : 1240.3/38

In: 34.563+/-0.140 χ^2/NDF : 3185.7/40

Out: 34.558+/-0.137 χ^2/NDF : 4473.9/45

All: 34.560+/-0.098 χ^2/NDF : 7659.5/86

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: -31.830 ± 0.561 χ^2/NDF : 2343.4/20

Left In: -28.735 ± 0.189 χ^2/NDF : 9155.5/22

Left: -28.909 ± 0.133 χ^2/NDF : 19216.6/47

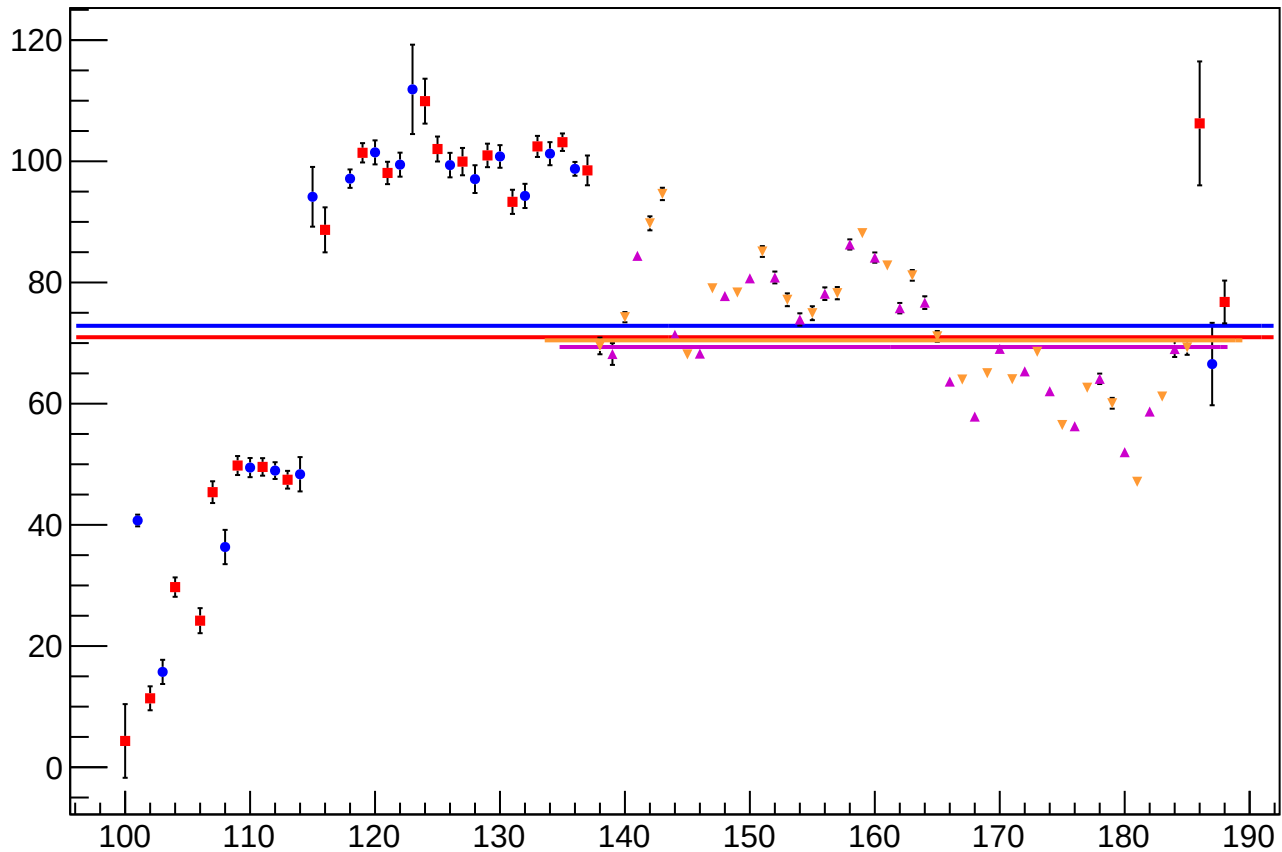
Right: -27.630 ± 0.422 χ^2/NDF : 3355.9/38

In: -28.209 ± 0.181 χ^2/NDF : 10136.0/40

Out: -29.356 ± 0.178 χ^2/NDF : 12424.5/45

All: -28.794 ± 0.127 χ^2/NDF : 22580.9/86

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.850 $\pm$ 0.425 χ^2 /NDF: 4738.8/17

Left Out: 70.450 $\pm$ 0.167 χ^2 /NDF: 4484.7/24

Right Out: 70.966 $\pm$ 0.430 χ^2 /NDF: 5504.0/20

Left In: 69.350 $\pm$ 0.170 χ^2 /NDF: 3330.7/22

Left: 69.910 $\pm$ 0.119 χ^2 /NDF: 7836.8/47

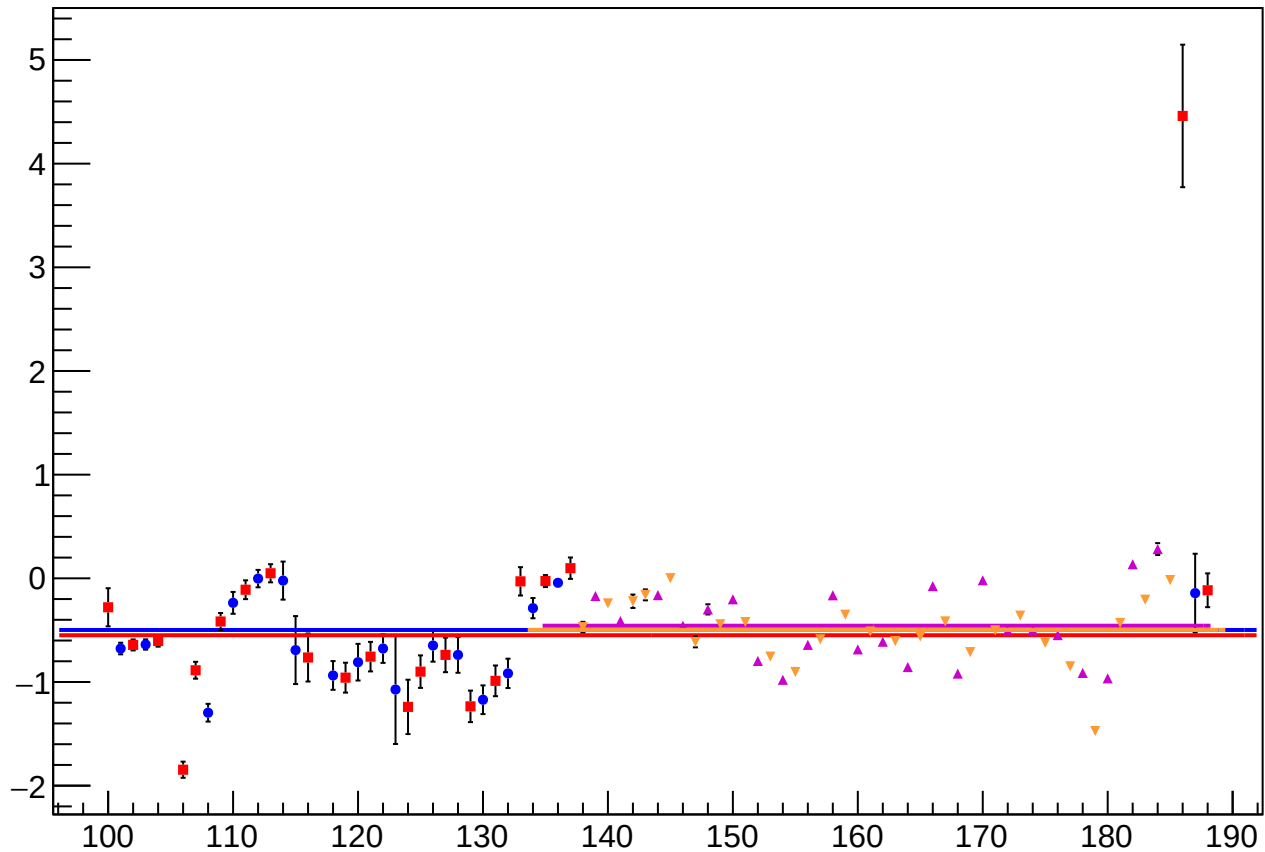
Right: 71.919 $\pm$ 0.302 χ^2 /NDF: 10252.6/38

In: 69.832 $\pm$ 0.158 χ^2 /NDF: 8128.0/40

Out: 70.517 $\pm$ 0.155 χ^2 /NDF: 9990.0/45

All: 70.179 $\pm$ 0.111 χ^2 /NDF: 18127.6/86

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 : 622.9/20

Left In: -0.457 ± 0.008 χ^2/NDF : 1975.2/22

Left: -0.478 ± 0.005 χ^2/NDF : 3430.2/47

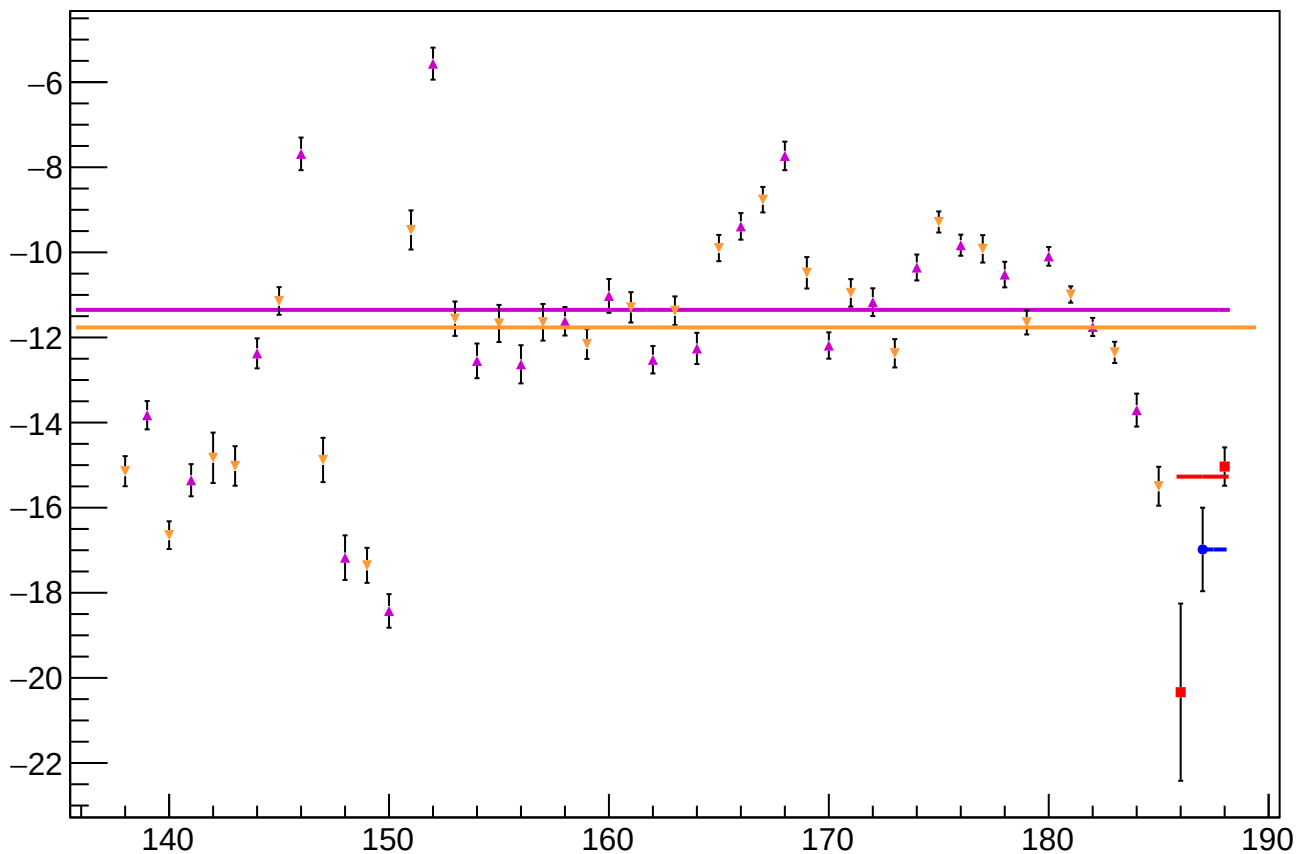
Right: -0.525 ± 0.015 χ^2/NDF : 930.0/38

In: -0.461 ± 0.007 χ^2/NDF : 2282.6/40

Out: -0.504 ± 0.007 χ^2/NDF : 2068.7/45

All: -0.483 ± 0.005 χ^2/NDF : 4368.5/86

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.982 ± 0.981 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -11.764 ± 0.067 $\chi^2/\text{NDF}: 1025.9/24$

Right Out: -15.270 ± 0.440 $\chi^2/\text{NDF}: 6.2/1$

Left In: -11.352 ± 0.068 $\chi^2/\text{NDF}: 1280.6/22$

Left: -11.561 ± 0.048 $\chi^2/\text{NDF}: 2325.4/47$

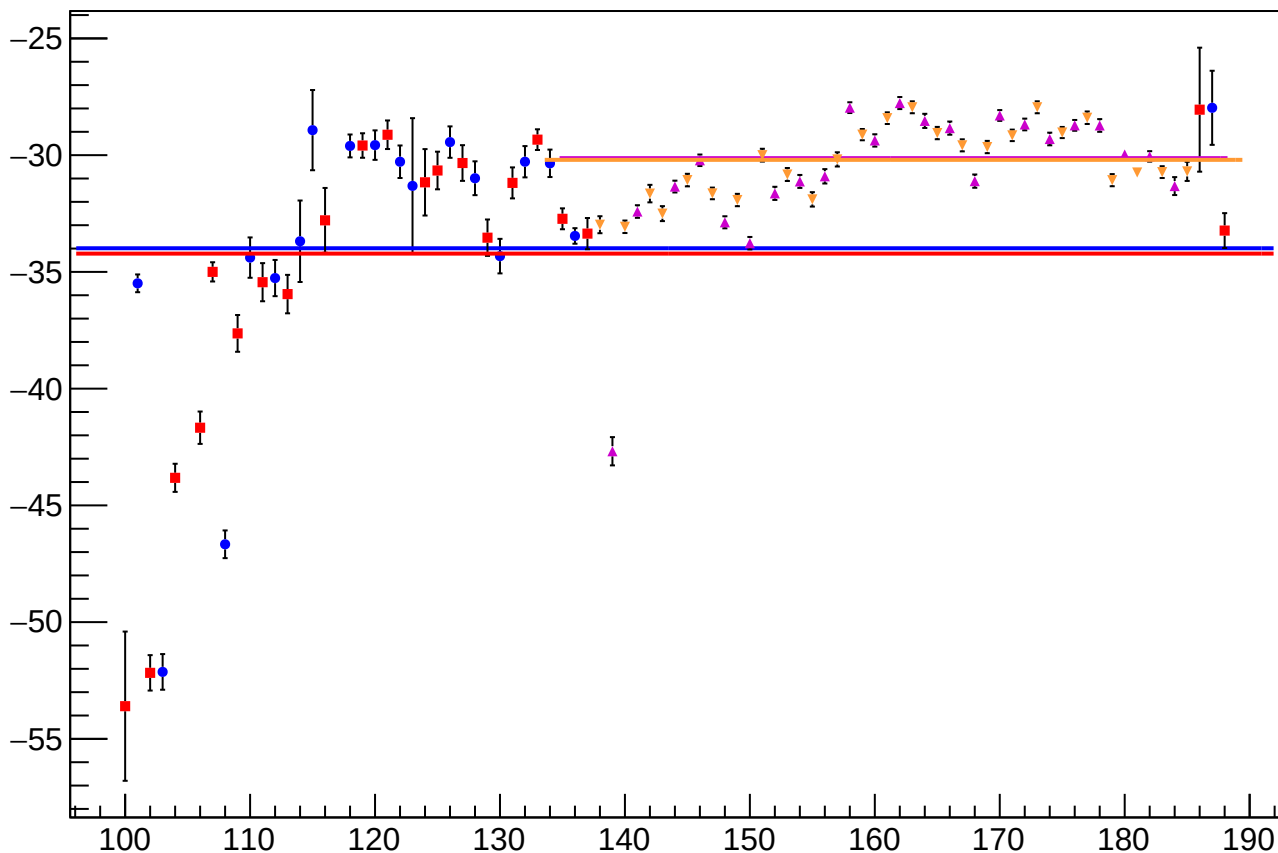
Right: -15.557 ± 0.402 $\chi^2/\text{NDF}: 8.7/2$

In: -11.378 ± 0.068 $\chi^2/\text{NDF}: 1313.4/23$

Out: -11.843 ± 0.066 $\chi^2/\text{NDF}: 1094.1/26$

All: -11.616 ± 0.047 $\chi^2/\text{NDF}: 2431.8/50$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



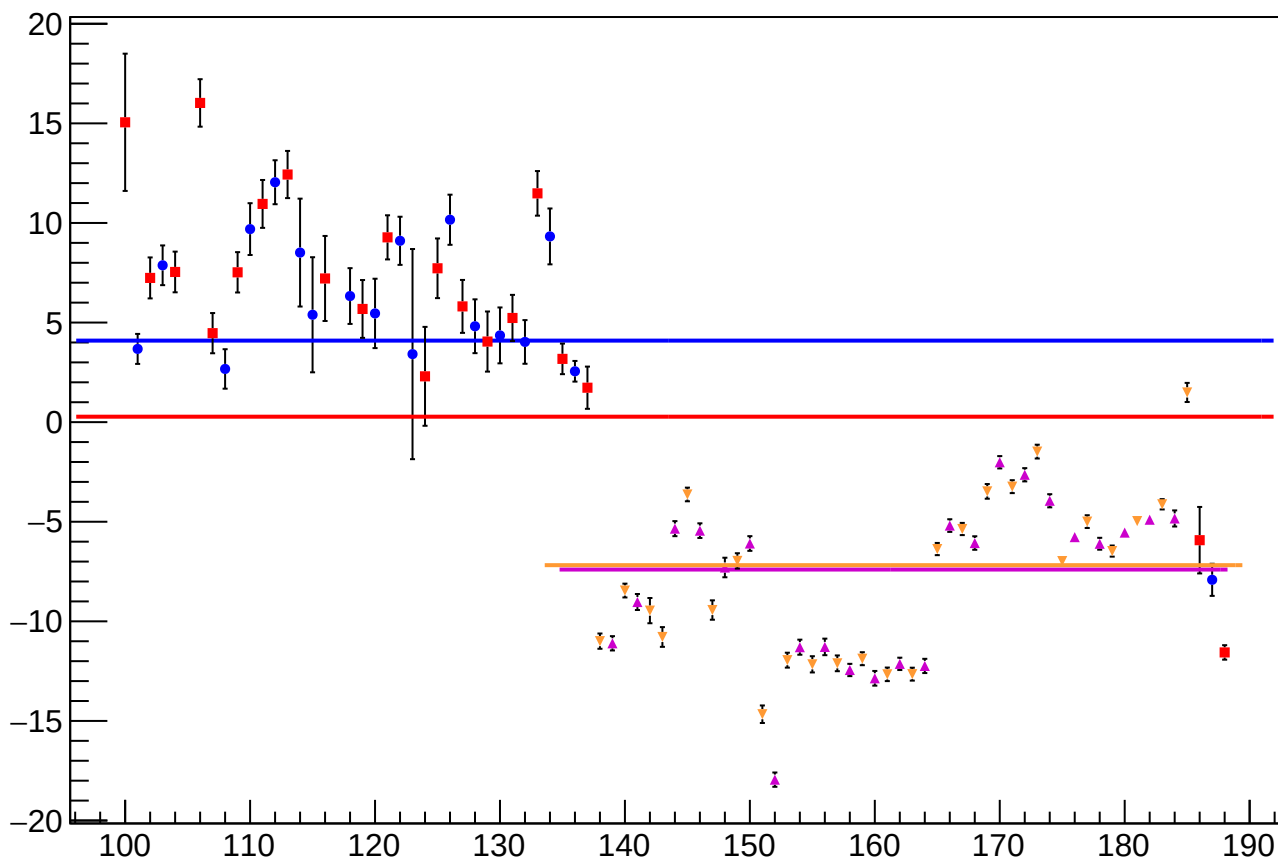
Right In: -33.987 ± 0.150 χ^2/NDF : 1355.3/17
 Left Out: -30.201 ± 0.054 χ^2/NDF : 725.7/24
 Right Out: -34.217 ± 0.148 χ^2/NDF : 1356.8/20
 Left In: -30.128 ± 0.055 χ^2/NDF : 1290.4/22

Left: -30.165 ± 0.039 χ^2/NDF : 2017.0/47
 Right: -34.104 ± 0.105 χ^2/NDF : 2713.2/38

In: -30.591 ± 0.052 χ^2/NDF : 3228.3/40
 Out: -30.674 ± 0.051 χ^2/NDF : 2735.3/45

All: -30.634 ± 0.036 χ^2/NDF : 5964.9/86

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

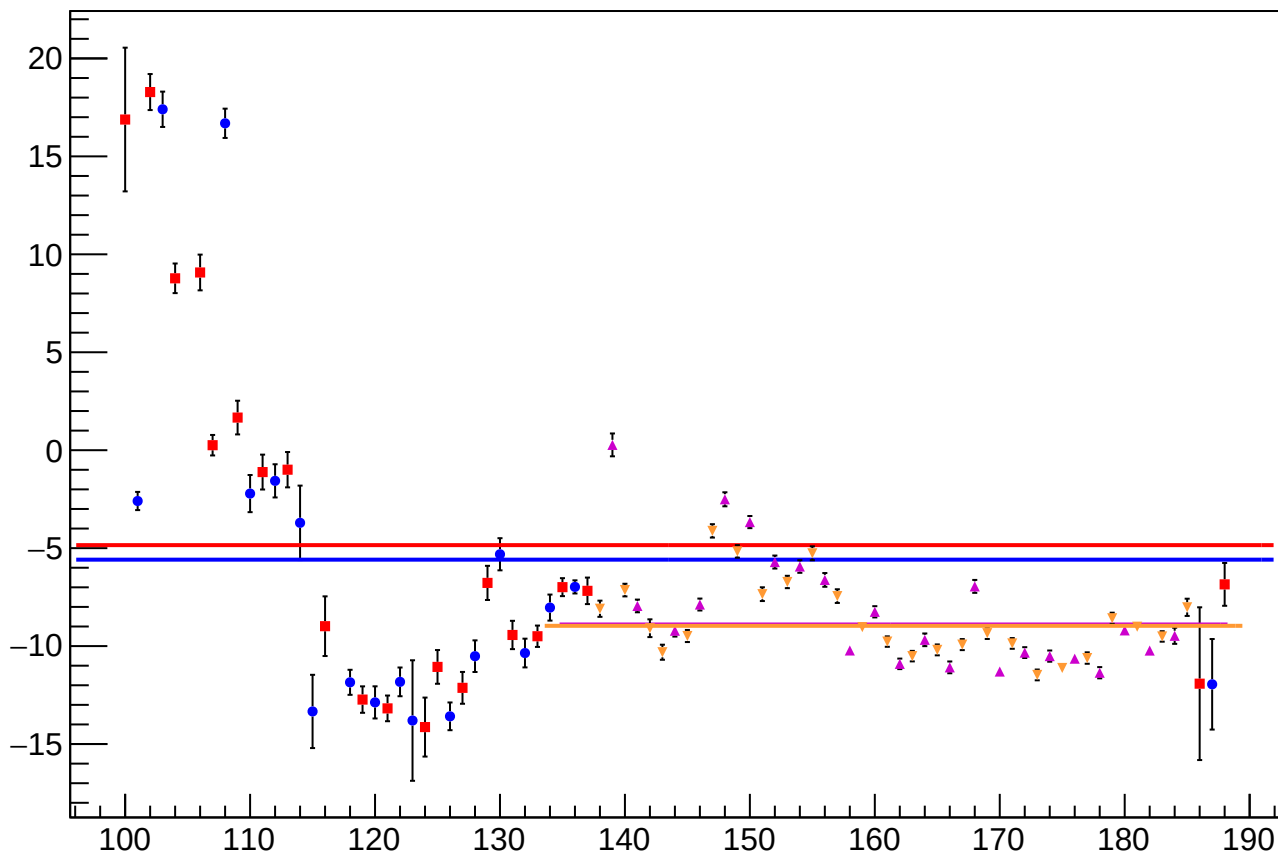


Right In: 4.094 ± 0.256 $\chi^2/\text{NDF}: 378.4/17$
 Left Out: -7.180 ± 0.067 $\chi^2/\text{NDF}: 3015.8/24$
 Right Out: 0.274 ± 0.217 $\chi^2/\text{NDF}: 1890.9/20$
 Left In: -7.400 ± 0.068 $\chi^2/\text{NDF}: 3134.9/22$

Left: -7.289 ± 0.048 $\chi^2/\text{NDF}: 6156.0/47$
 Right: 1.874 ± 0.165 $\chi^2/\text{NDF}: 2399.0/38$
 In: -6.650 ± 0.065 $\chi^2/\text{NDF}: 5402.4/40$
 Out: -6.532 ± 0.064 $\chi^2/\text{NDF}: 5984.0/45$

All: -6.590 ± 0.046 $\chi^2/\text{NDF}: 11388.0/86$

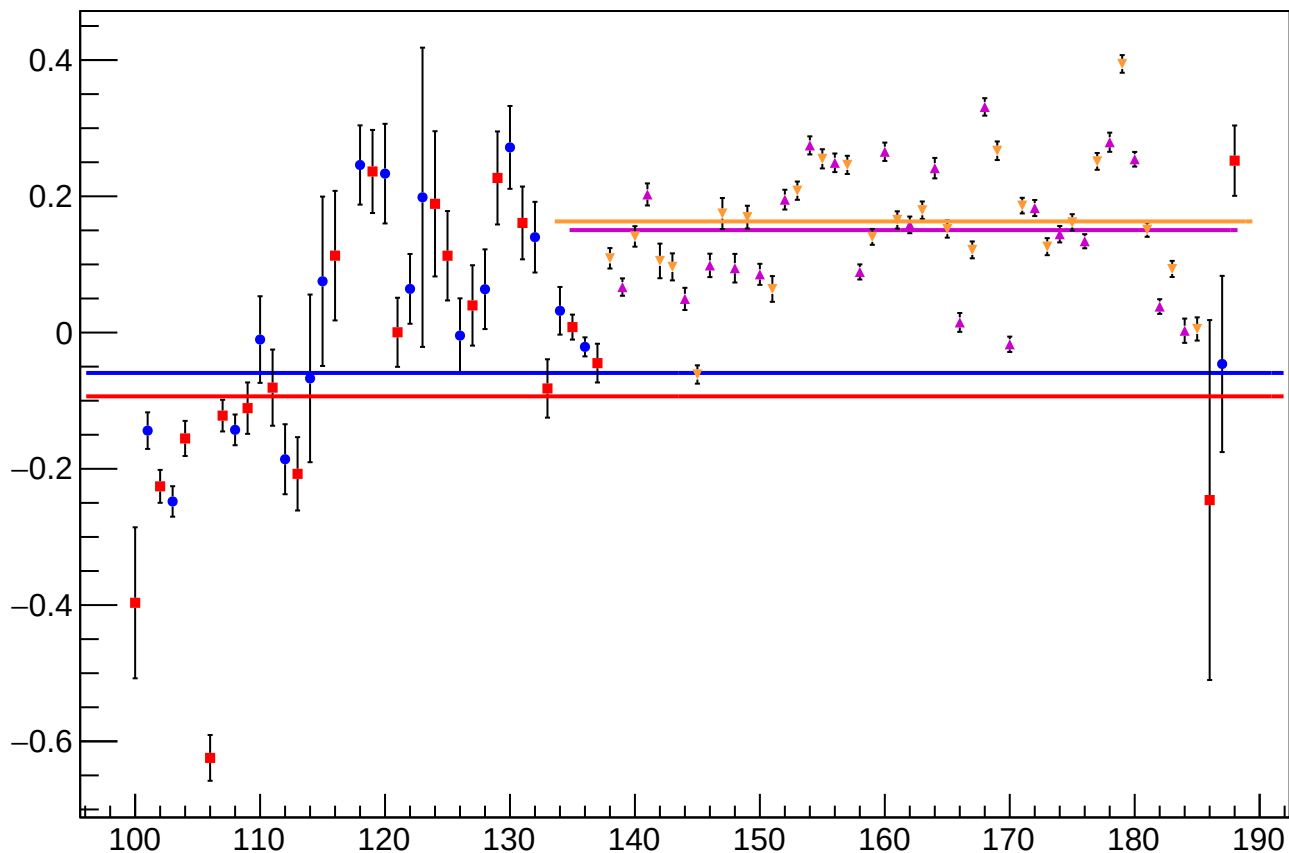
reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -4.846 ± 0.171 $\chi^2/\text{NDF}: 2047.2/20$
 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: -5.219 ± 0.120 $\chi^2/\text{NDF}: 4189.6/38$
 In: -8.512 ± 0.058 $\chi^2/\text{NDF}: 4054.2/40$
 Out: -8.508 ± 0.057 $\chi^2/\text{NDF}: 3442.4/45$
 All: -8.510 ± 0.041 $\chi^2/\text{NDF}: 7496.6/86$

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: -0.094 ± 0.008 χ^2/NDF : 481.9/20

Left In: 0.150 ± 0.003 χ^2/NDF : 1296.5/22

Left: 0.157 ± 0.002 χ^2/NDF : 2318.7/47

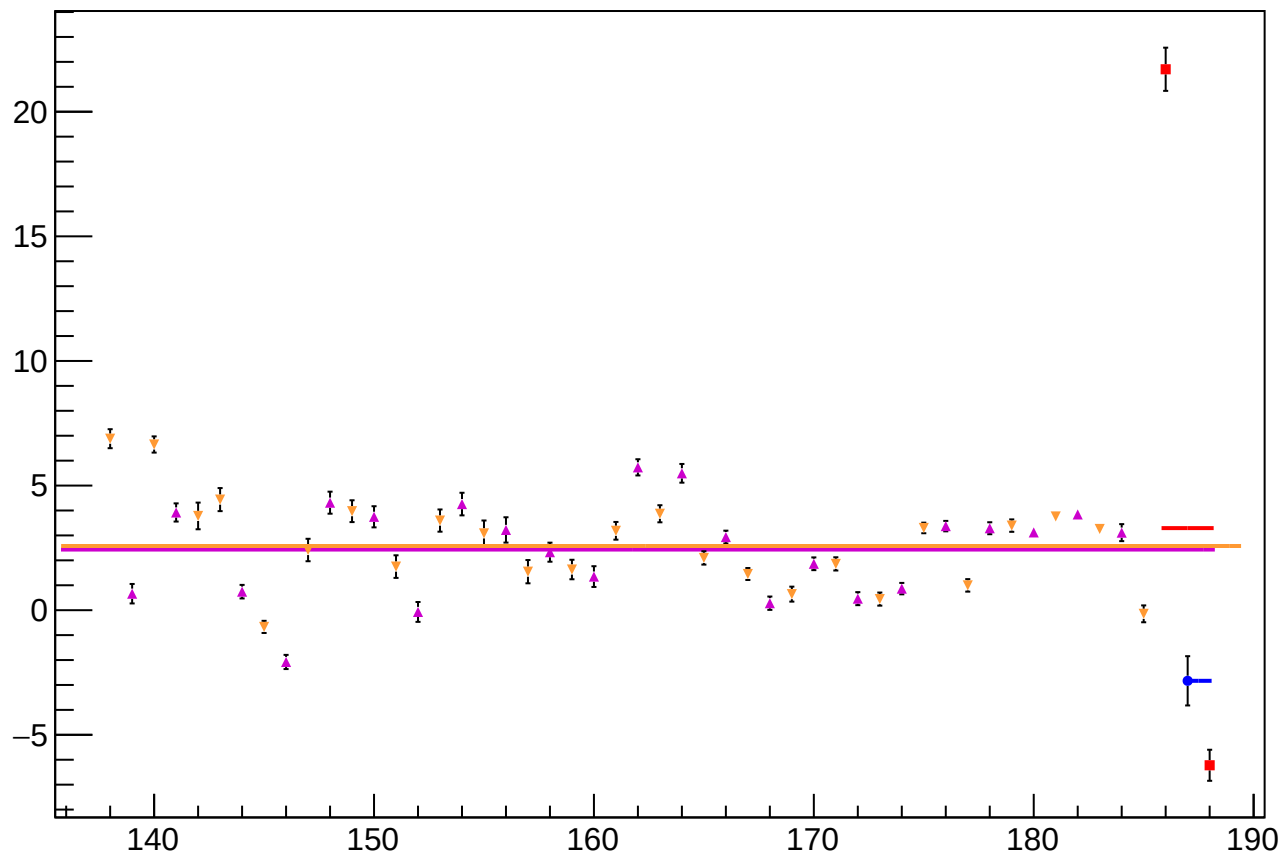
Right: -0.077 ± 0.006 χ^2/NDF : 707.9/38

In: 0.130 ± 0.003 χ^2/NDF : 2080.2/40

Out: 0.138 ± 0.003 χ^2/NDF : 2355.8/45

All: 0.134 ± 0.002 χ^2/NDF : 4440.9/86

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: 3.293 ± 0.506 $\chi^2/\text{NDF}: 684.7/1$

Left In: 2.433 ± 0.059 $\chi^2/\text{NDF}: 882.9/22$

Left: 2.505 ± 0.042 $\chi^2/\text{NDF}: 1754.0/47$

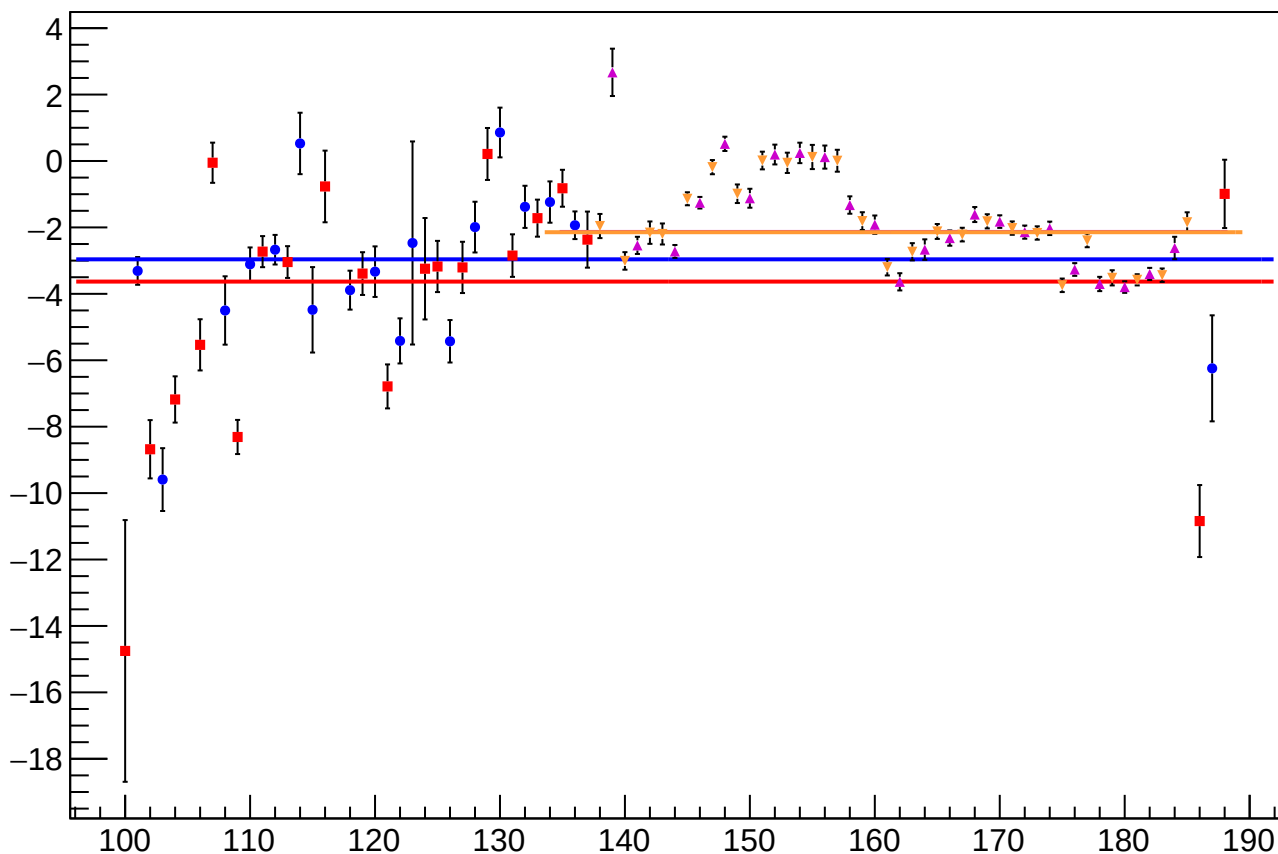
Right: 2.022 ± 0.450 $\chi^2/\text{NDF}: 715.2/2$

In: 2.414 ± 0.059 $\chi^2/\text{NDF}: 911.2/23$

Out: 2.585 ± 0.058 $\chi^2/\text{NDF}: 1554.8/26$

All: 2.501 ± 0.041 $\chi^2/\text{NDF}: 2470.3/50$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Left: -2.141 ± 0.034 $\chi^2/\text{NDF}: 1266.1/47$

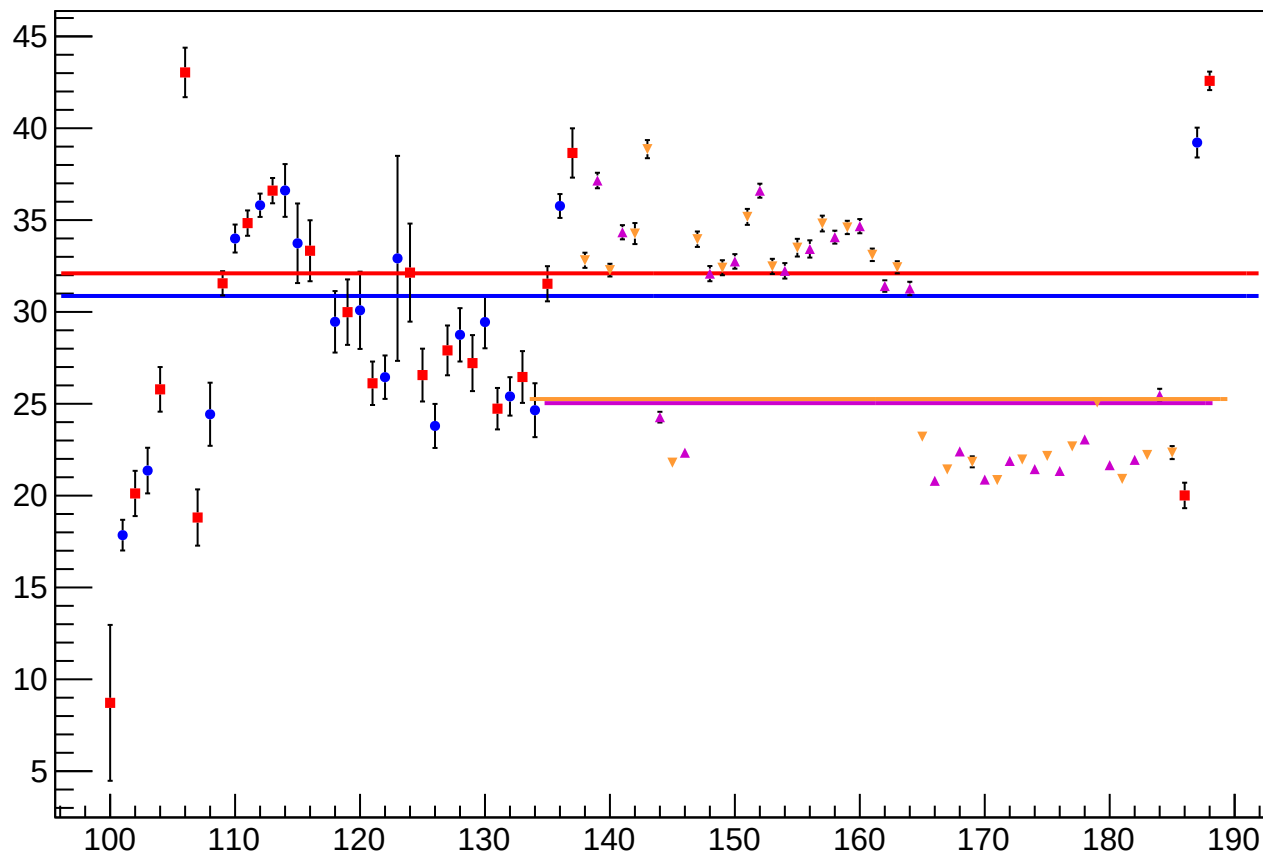
Right: -3.300 ± 0.108 $\chi^2/\text{NDF}: 503.3/38$

In: -2.211 ± 0.046 $\chi^2/\text{NDF}: 870.7/40$

Out: -2.279 ± 0.045 $\chi^2/\text{NDF}: 1003.1/45$

All: -2.245 ± 0.032 $\chi^2/\text{NDF}: 1874.9/86$

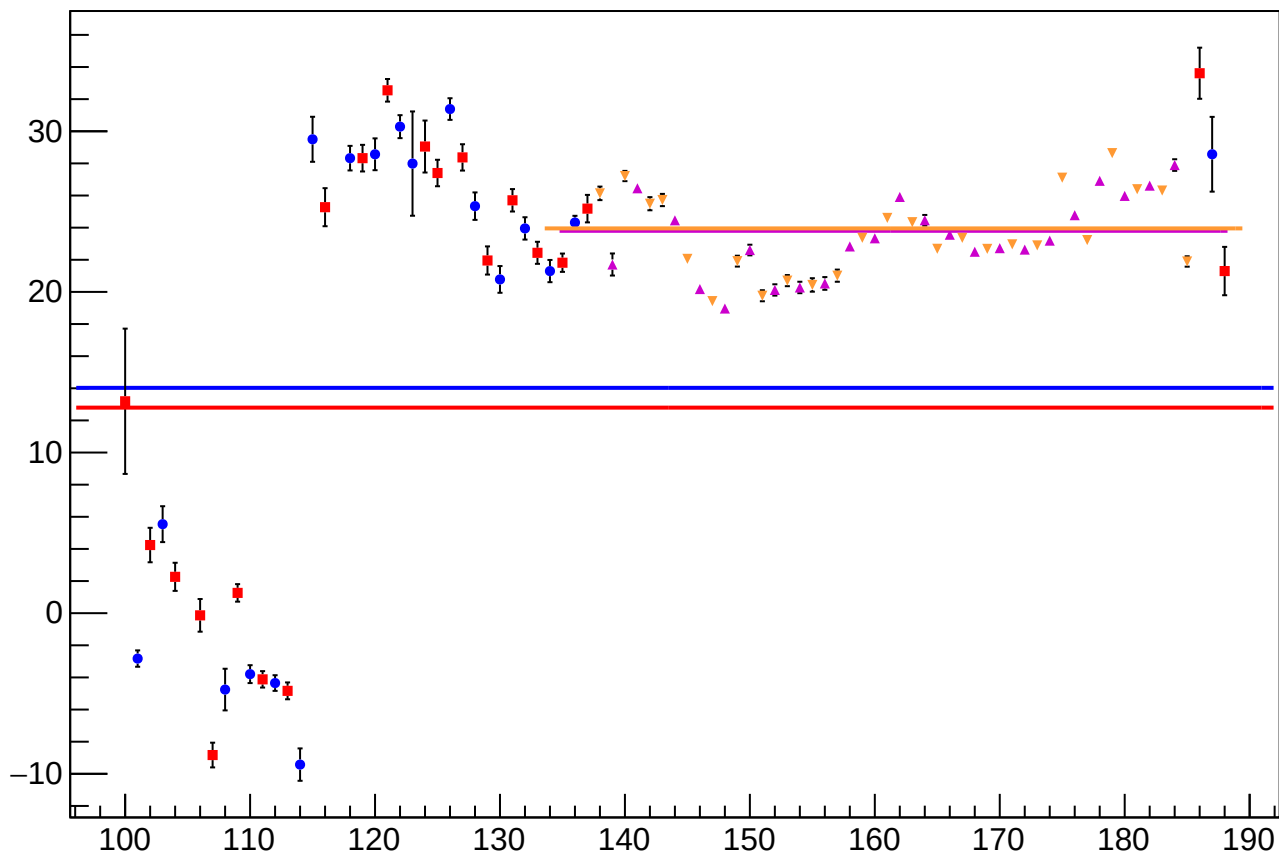
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 32.101 $\pm$ 0.219 χ^2 /NDF: 1235.5/20
 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: 31.574 $\pm$ 0.166 χ^2 /NDF: 1920.5/38
 In: 25.338 $\pm$ 0.058 χ^2 /NDF:8864.0/40
 Out: 25.719 $\pm$ 0.057 χ^2 /NDF:10280.6/45
 All: 25.532 $\pm$ 0.041 χ^2 /NDF: 19166.8/86

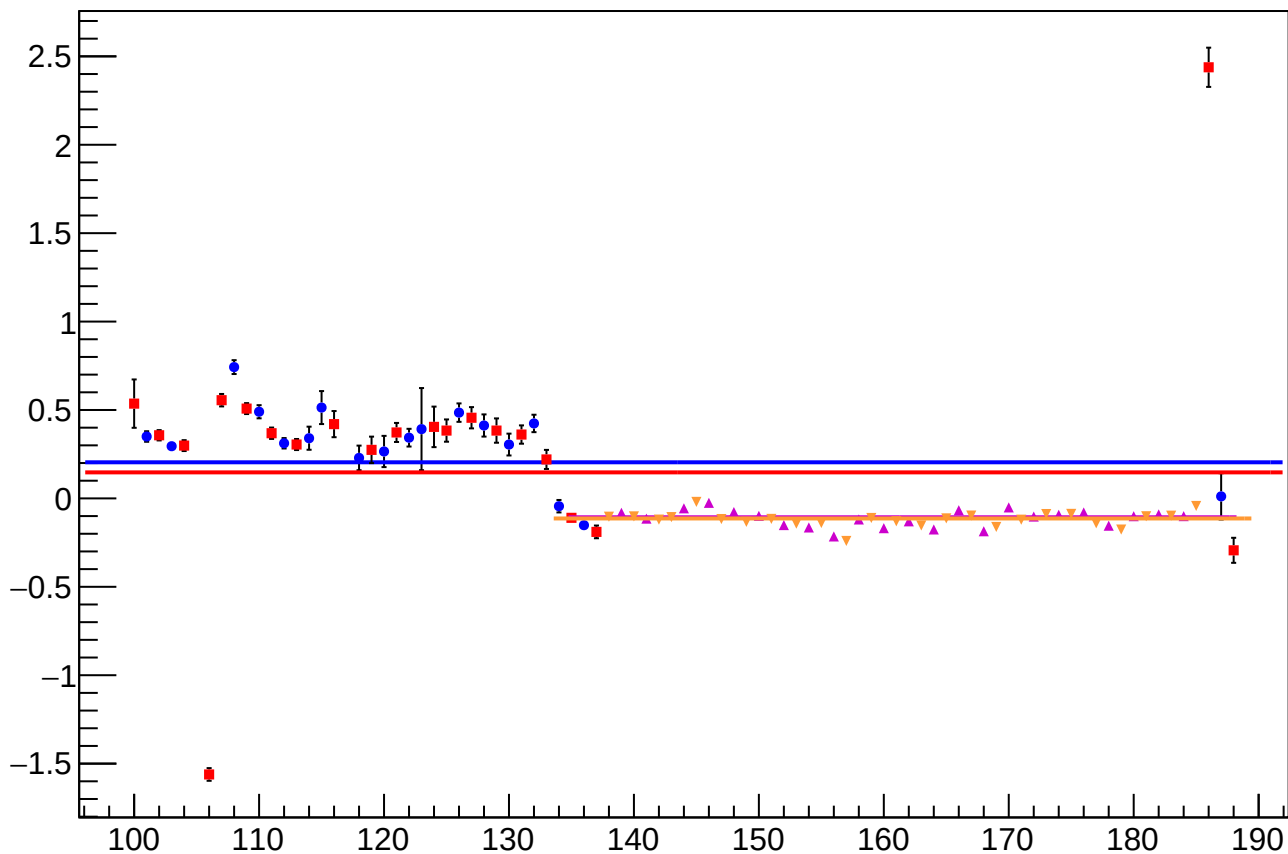
reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 12.796 $\pm$ 0.172 χ^2 /NDF: 7170.2/20
 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: 13.412 $\pm$ 0.121 χ^2 /NDF: 14627.1/38
 In: 22.926 $\pm$ 0.051 χ^2 /NDF:12149.6/40
 Out: 22.974 $\pm$ 0.051 χ^2 /NDF:12945.8/45
 All: 22.950 $\pm$ 0.036 χ^2 /NDF: 25095.8/86

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: 0.147 ± 0.009 $\chi^2/\text{NDF}: 3482.8/20$

Left In: -0.107 ± 0.002 $\chi^2/\text{NDF}: 322.0/22$

Left: -0.110 ± 0.002 $\chi^2/\text{NDF}: 616.8/47$

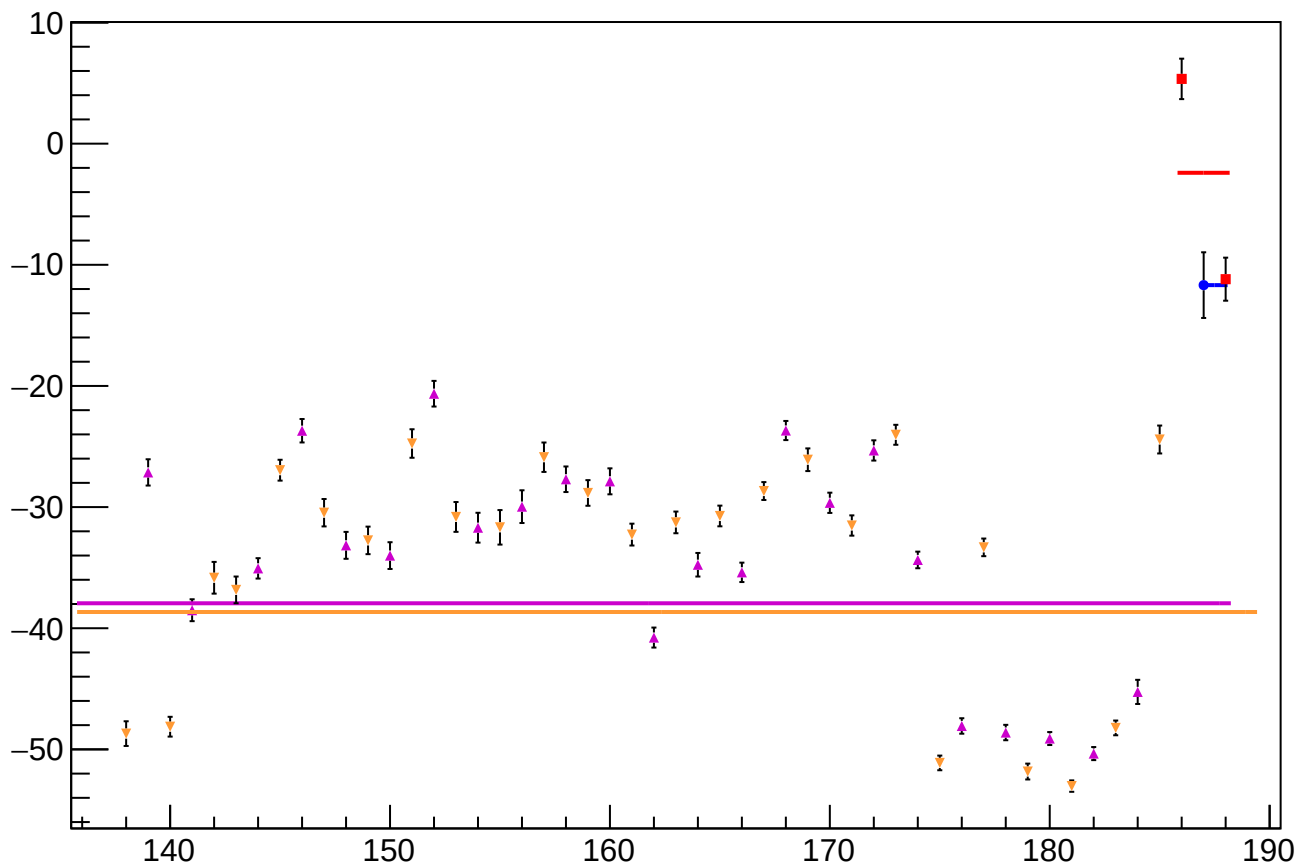
Right: 0.175 ± 0.007 $\chi^2/\text{NDF}: 4350.2/38$

In: -0.087 ± 0.002 $\chi^2/\text{NDF}: 2207.0/40$

Out: -0.096 ± 0.002 $\chi^2/\text{NDF}: 4541.6/45$

All: -0.091 ± 0.002 $\chi^2/\text{NDF}: 6756.9/86$

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



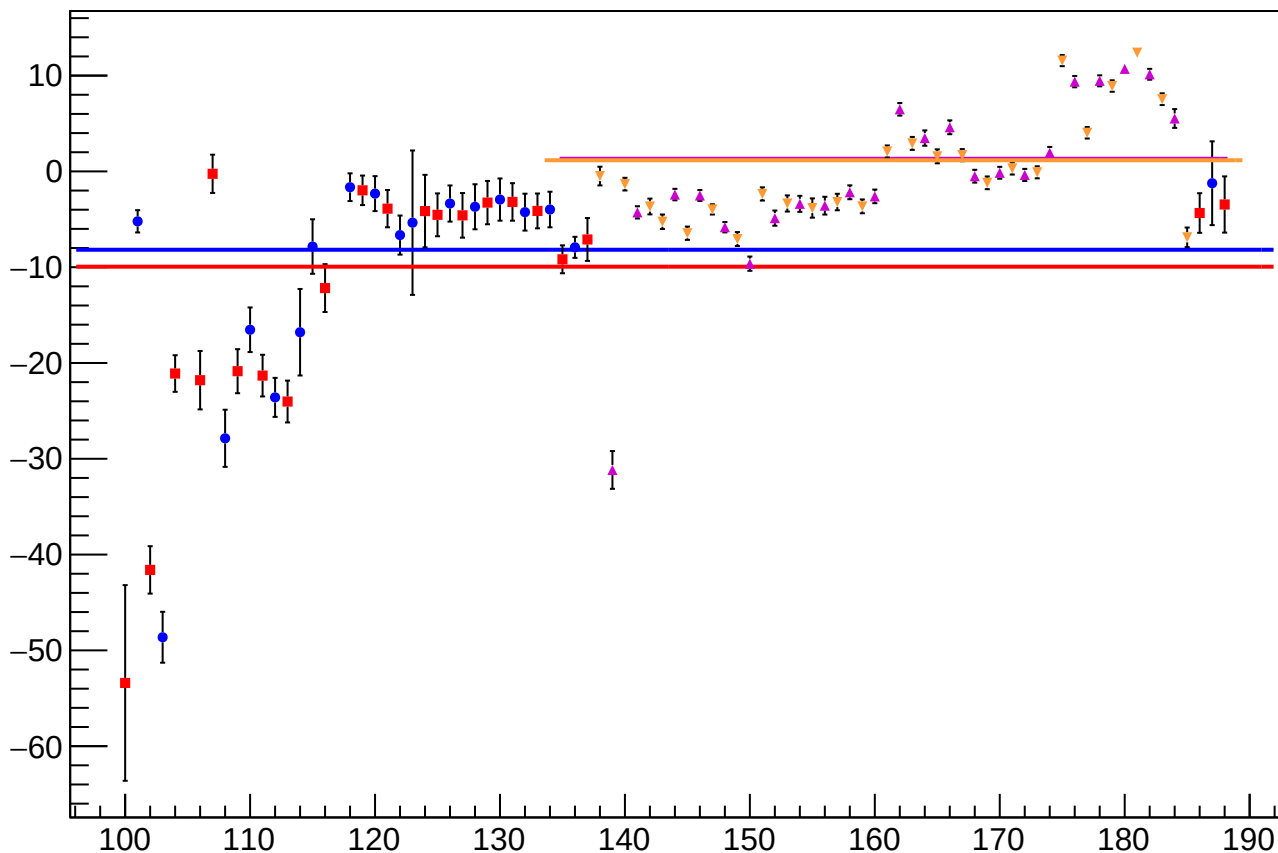
Right In: -11.678 ± 2.711 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -38.660 ± 0.169 $\chi^2/\text{NDF}: 4073.8/24$
 Right Out: -2.405 ± 1.216 $\chi^2/\text{NDF}: 46.0/1$
 Left In: -37.939 ± 0.173 $\chi^2/\text{NDF}: 3133.2/22$

Left: -38.306 ± 0.121 $\chi^2/\text{NDF}: 7216.0/47$
 Right: -3.959 ± 1.110 $\chi^2/\text{NDF}: 55.7/2$

In: -37.833 ± 0.172 $\chi^2/\text{NDF}: 3226.7/23$
 Out: -37.971 ± 0.168 $\chi^2/\text{NDF}: 4991.2/26$

All: -37.904 ± 0.120 $\chi^2/\text{NDF}: 8218.2/50$

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.179 ± 0.460 $\chi^2/\text{NDF}: 414.7/17$

Left Out: 1.163 ± 0.136 $\chi^2/\text{NDF}: 1786.1/24$

Right Out: -9.948 ± 0.472 $\chi^2/\text{NDF}: 441.7/20$

Left In: 1.319 ± 0.139 $\chi^2/\text{NDF}: 2080.7/22$

Left: 1.239 ± 0.097 $\chi^2/\text{NDF}: 3867.4/47$

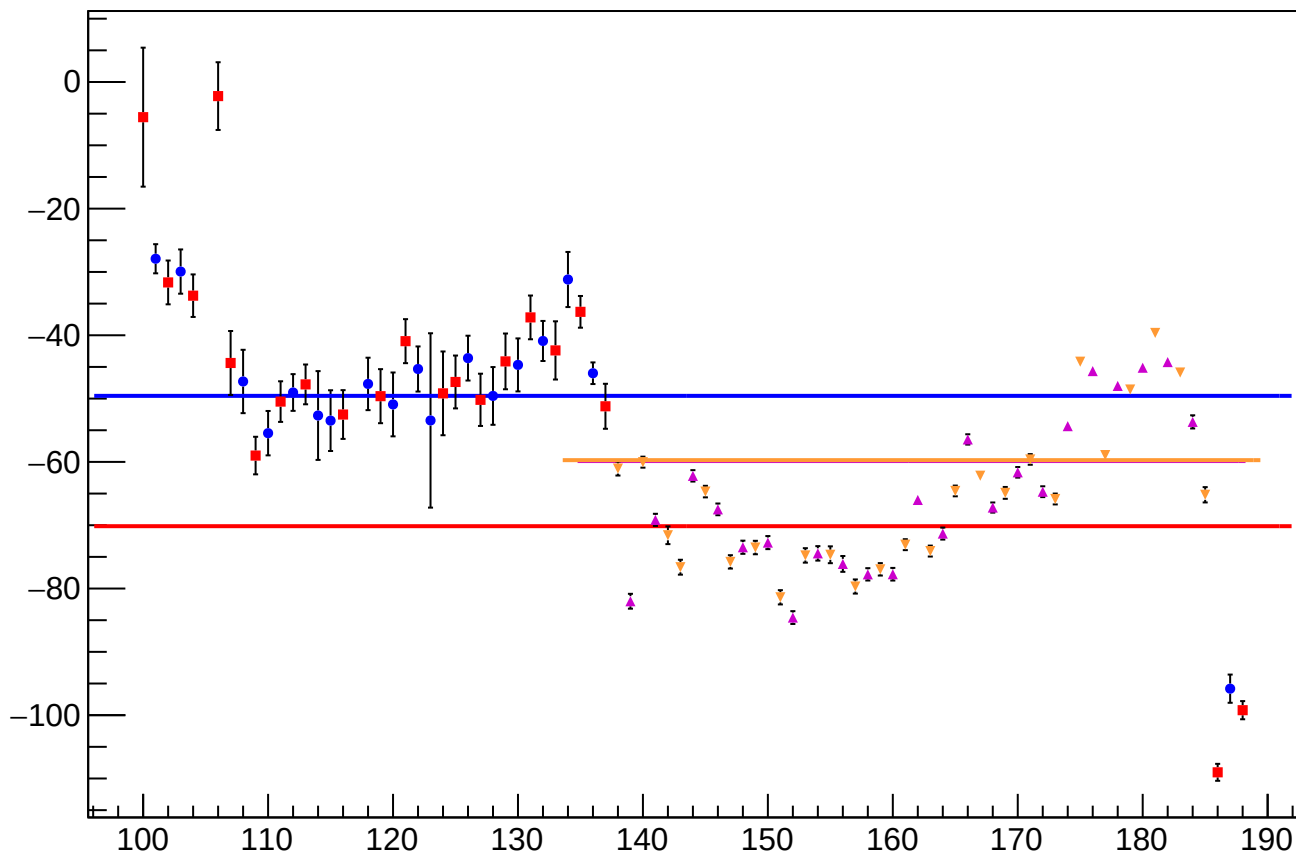
Right: -9.040 ± 0.329 $\chi^2/\text{NDF}: 863.6/38$

In: 0.518 ± 0.133 $\chi^2/\text{NDF}: 2886.5/40$

Out: 0.306 ± 0.131 $\chi^2/\text{NDF}: 2739.8/45$

All: 0.410 ± 0.093 $\chi^2/\text{NDF}: 5627.6/86$

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: -70.153 ± 0.649 χ^2/NDF : 2371.2/20

Left In: -59.864 ± 0.173 χ^2/NDF : 5275.1/22

Left: -59.793 ± 0.121 χ^2/NDF : 11065.1/47

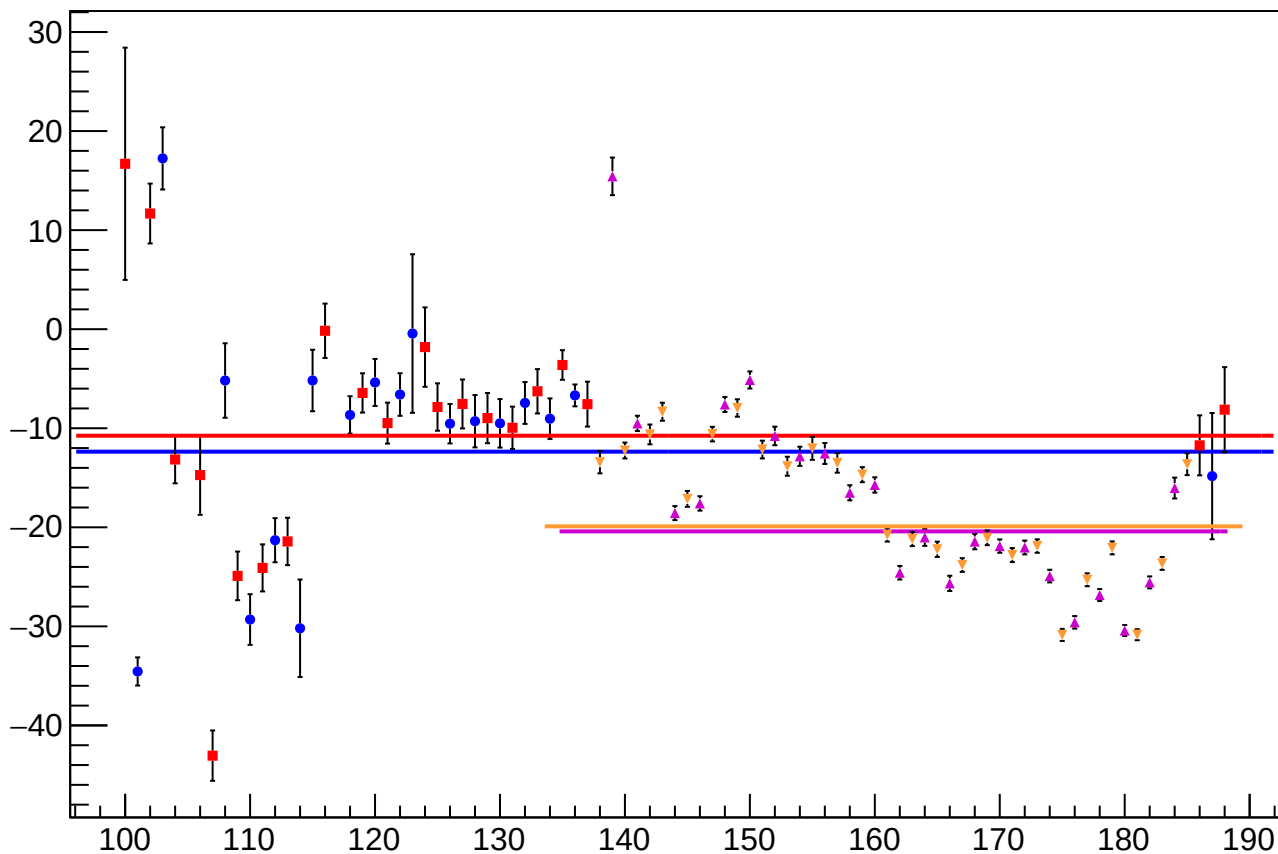
Right: -61.752 ± 0.499 χ^2/NDF : 3372.7/38

In: -59.385 ± 0.169 χ^2/NDF : 6031.3/40

Out: -60.397 ± 0.165 χ^2/NDF : 8402.7/45

All: -59.903 ± 0.118 χ^2/NDF : 14452.4/86

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



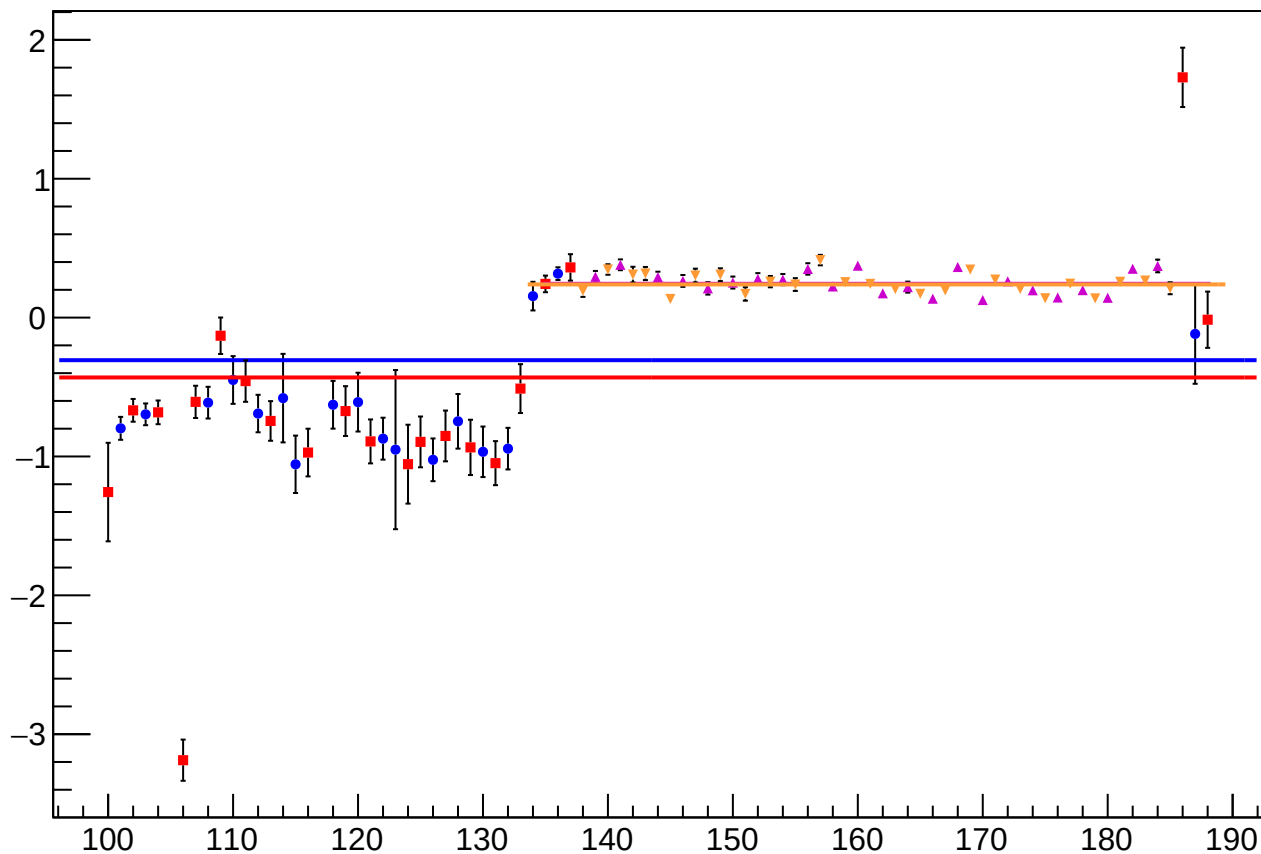
Right In: -12.364 ± 0.518 $\chi^2/\text{NDF}: 476.1/17$
 Left Out: -19.902 ± 0.153 $\chi^2/\text{NDF}: 1904.7/24$
 Right Out: -10.753 ± 0.540 $\chi^2/\text{NDF}: 367.1/20$
 Left In: -20.412 ± 0.156 $\chi^2/\text{NDF}: 2345.4/22$

Left: -20.152 ± 0.109 $\chi^2/\text{NDF}: 4255.5/47$
 Right: -11.593 ± 0.374 $\chi^2/\text{NDF}: 847.8/38$

In: -19.741 ± 0.150 $\chi^2/\text{NDF}: 3042.8/40$
 Out: -19.222 ± 0.147 $\chi^2/\text{NDF}: 2537.2/45$

All: -19.478 ± 0.105 $\chi^2/\text{NDF}: 5586.1/86$

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: -0.431 ± 0.028 χ^2/NDF : 740.3/20

Left In: 0.243 ± 0.007 χ^2/NDF : 139.2/22

Left: 0.241 ± 0.005 χ^2/NDF : 232.9/47

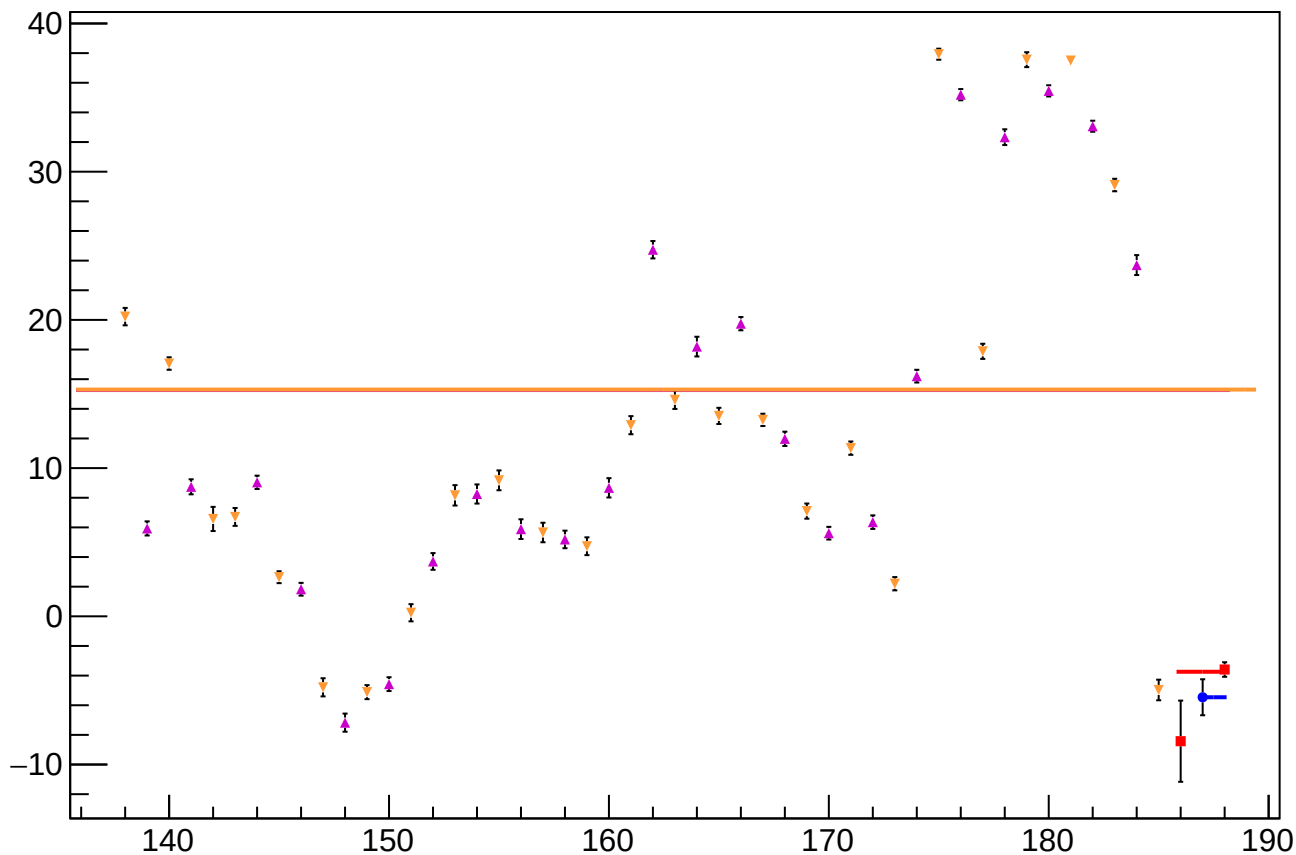
Right: -0.368 ± 0.020 χ^2/NDF : 1123.1/38

In: 0.208 ± 0.007 χ^2/NDF : 888.5/40

Out: 0.199 ± 0.007 χ^2/NDF : 1372.0/45

All: 0.204 ± 0.005 χ^2/NDF : 2261.4/86

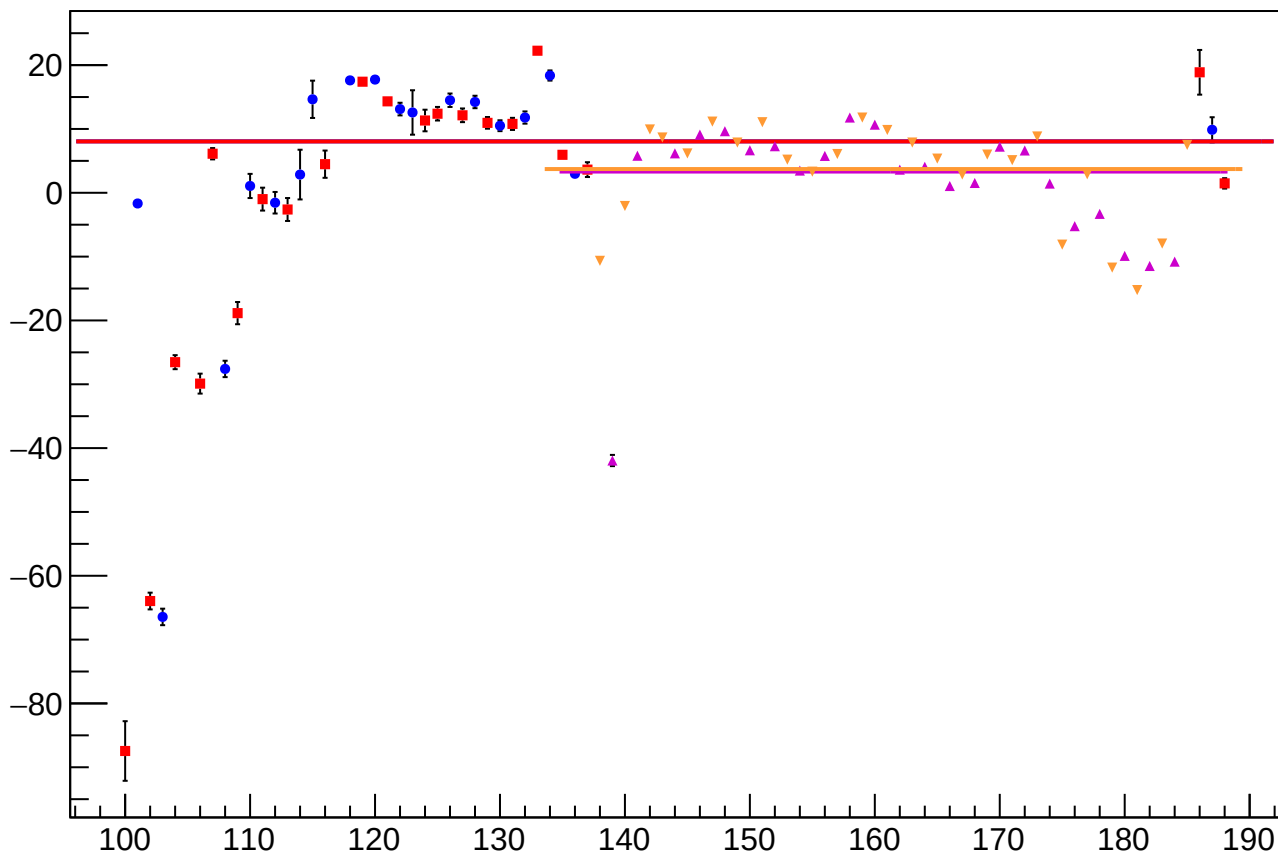
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -3.741 $\pm$ 0.484 χ^2 /NDF: 3.0/1
 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: -3.977 $\pm$ 0.450 χ^2 /NDF: 4.8/2
 In: 15.122 $\pm$ 0.102 χ^2 /NDF:16695.9/23
 Out: 14.509 $\pm$ 0.099 χ^2 /NDF:20620.9/26
 All: 14.806 $\pm$ 0.071 χ^2 /NDF: 37335.6/50

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: 8.045 ± 0.206 $\chi^2/\text{NDF}: 6782.5/20$

Left In: 3.327 ± 0.081 $\chi^2/\text{NDF}: 8830.5/22$

Left: 3.527 ± 0.057 $\chi^2/\text{NDF}: 18043.4/47$

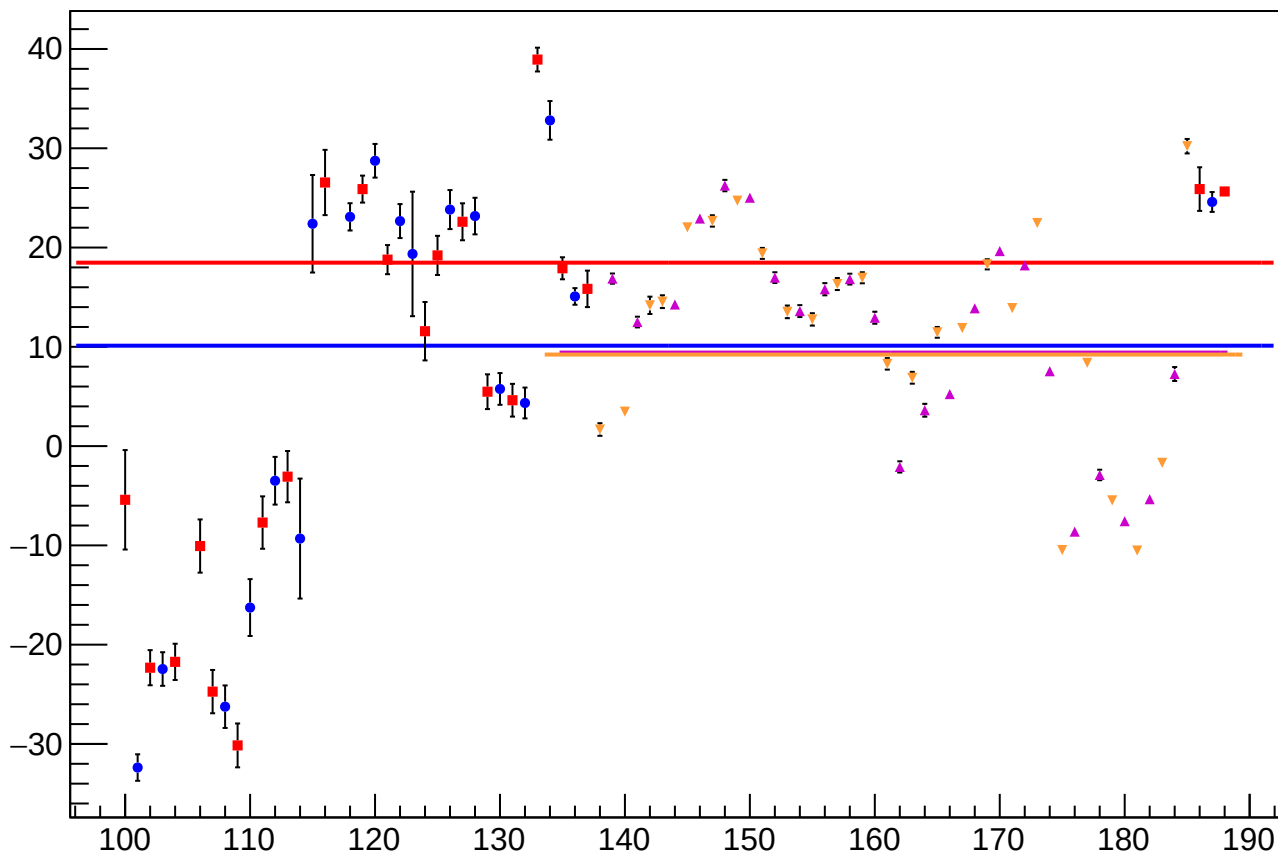
Right: 8.051 ± 0.148 $\chi^2/\text{NDF}: 12152.8/38$

In: 3.920 ± 0.076 $\chi^2/\text{NDF}: 14628.7/40$

Out: 4.271 ± 0.074 $\chi^2/\text{NDF}: 16368.1/45$

All: 4.100 ± 0.053 $\chi^2/\text{NDF}: 31007.9/86$

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: 18.477 $\pm$ 0.285 χ^2 /NDF: 3000.8/20

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

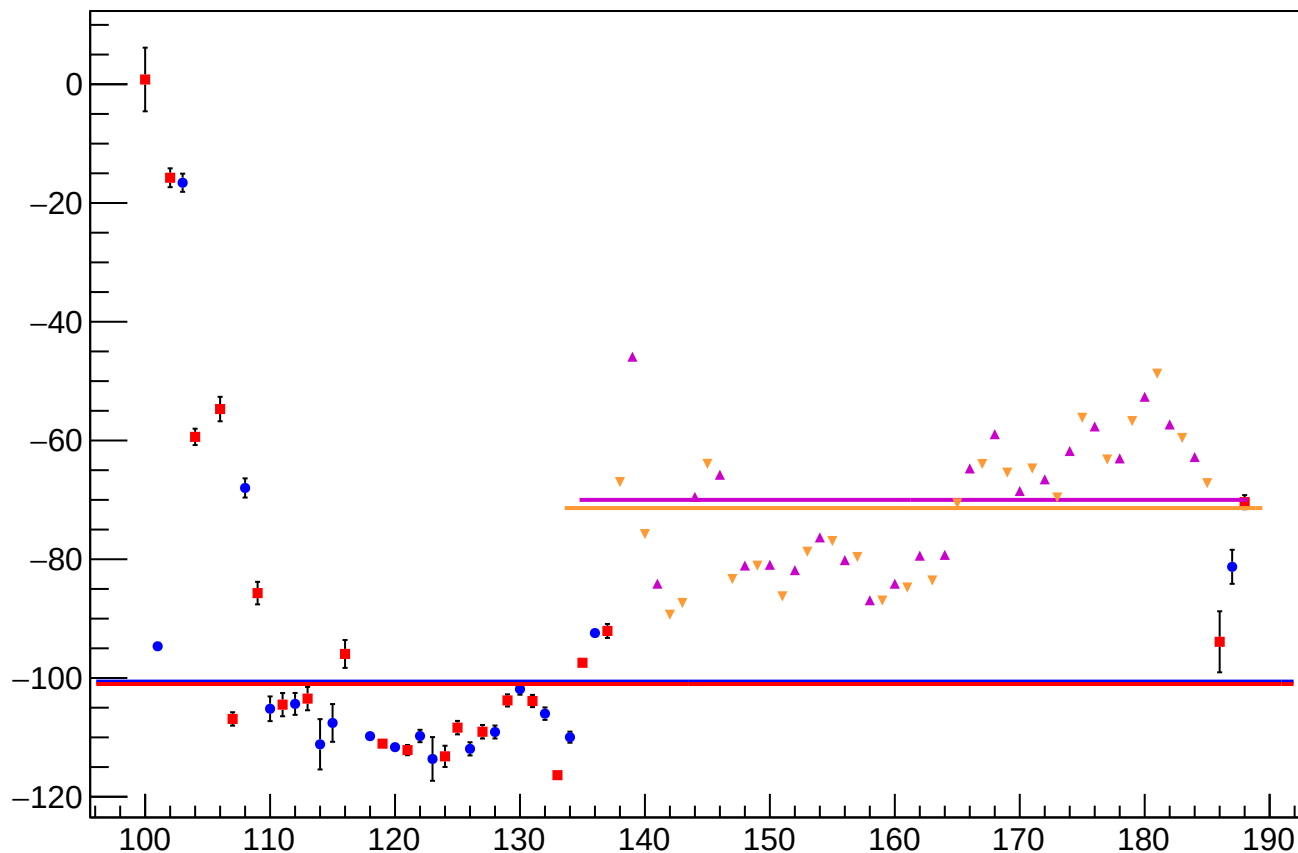
Right: 15.504 $\pm$ 0.229 χ^2 /NDF: 5878.4/38

In: 9.466 $\pm$ 0.099 χ^2 /NDF:14652.8/40

Out: 10.254 $\pm$ 0.095 χ^2 /NDF:17554.3/45

All: 9.873 $\pm$ 0.069 χ^2 /NDF: 32240.2/86

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: -101.016+/-0.241 χ^2/NDF : 6778.3/20

Left In: -69.999+/-0.091 χ^2/NDF :13188.0/22

Left: -70.704+/-0.064 χ^2/NDF : 29530.5/47

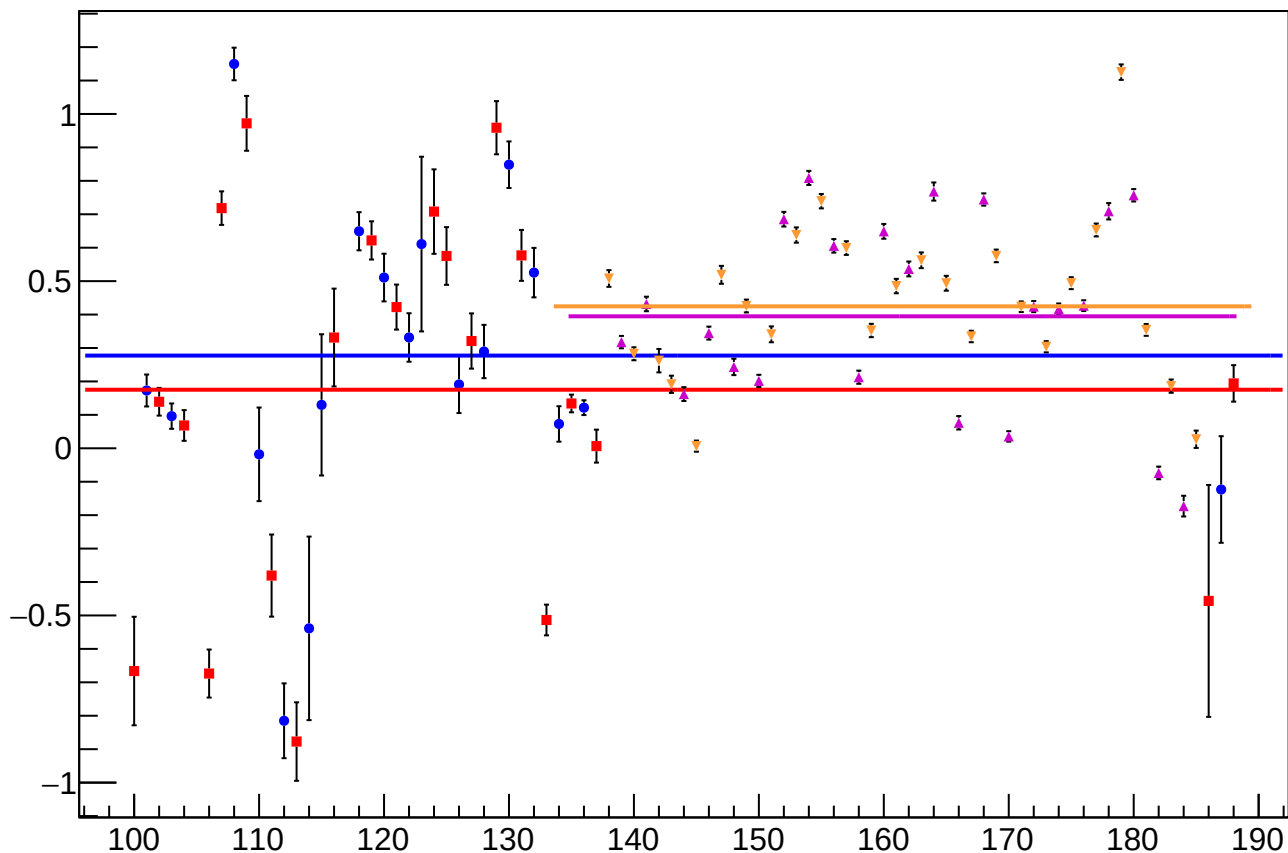
Right: -100.817+/-0.172 χ^2/NDF : 11348.2/38

In: -73.684+/-0.086 χ^2/NDF :31255.5/40

Out: -74.975+/-0.084 χ^2/NDF :36313.0/45

All: -74.343+/-0.060 χ^2/NDF : 67684.4/86

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.277 ± 0.013 χ^2/NDF : 662.3/17

Left Out: 0.425 ± 0.004 χ^2/NDF : 2866.9/24

Right Out: 0.175 ± 0.013 χ^2/NDF : 970.1/20

Left In: 0.395 ± 0.004 χ^2/NDF : 4063.1/22

Left: 0.410 ± 0.003 χ^2/NDF : 6956.2/47

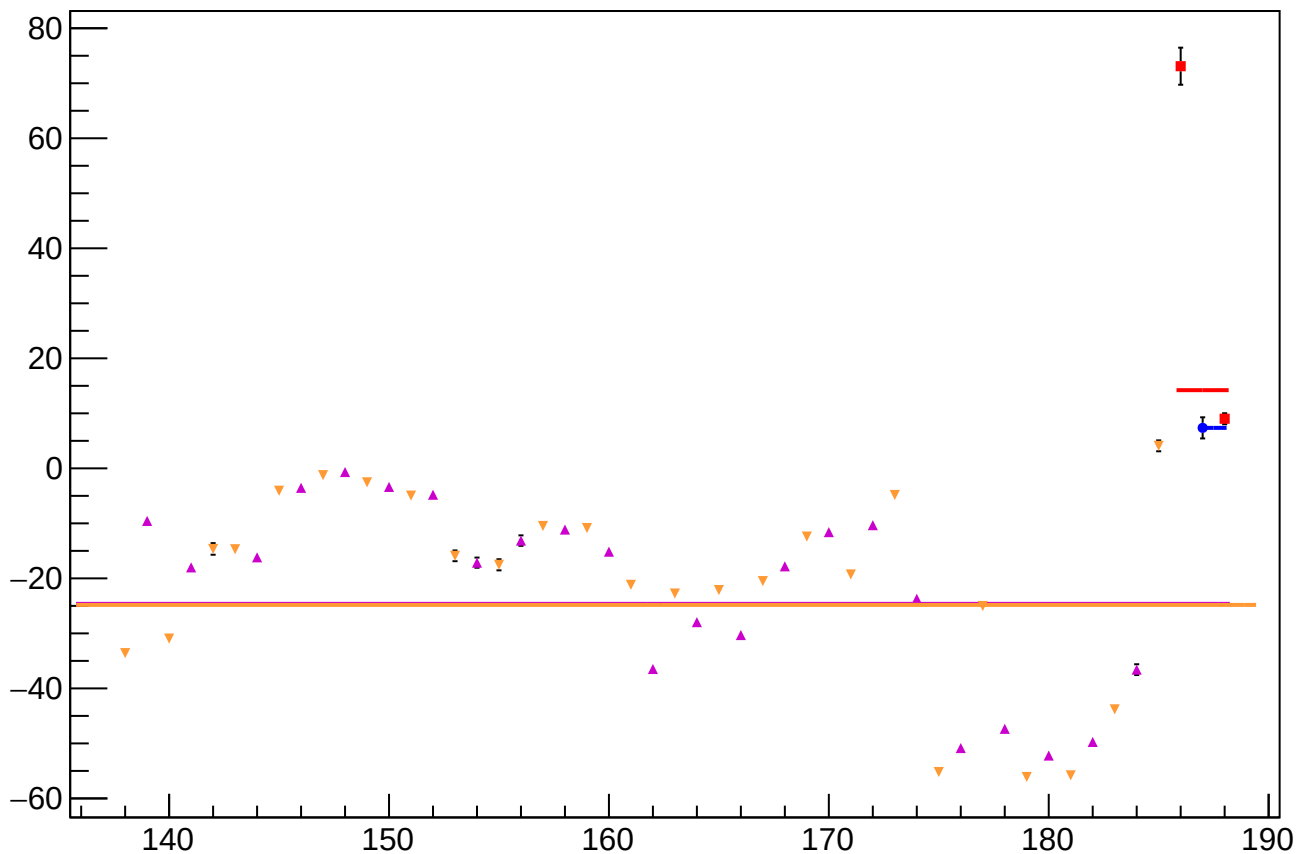
Right: 0.225 ± 0.009 χ^2/NDF : 1662.2/38

In: 0.385 ± 0.004 χ^2/NDF : 4795.5/40

Out: 0.402 ± 0.004 χ^2/NDF : 4169.7/45

All: 0.393 ± 0.003 χ^2/NDF : 8975.2/86

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: 14.211+/-0.959 χ^2/NDF : 332.5/1

Left In: -24.635+/-0.142 χ^2/NDF :14947.9/22

Left: -24.731+/-0.100 χ^2/NDF : 33223.4/47

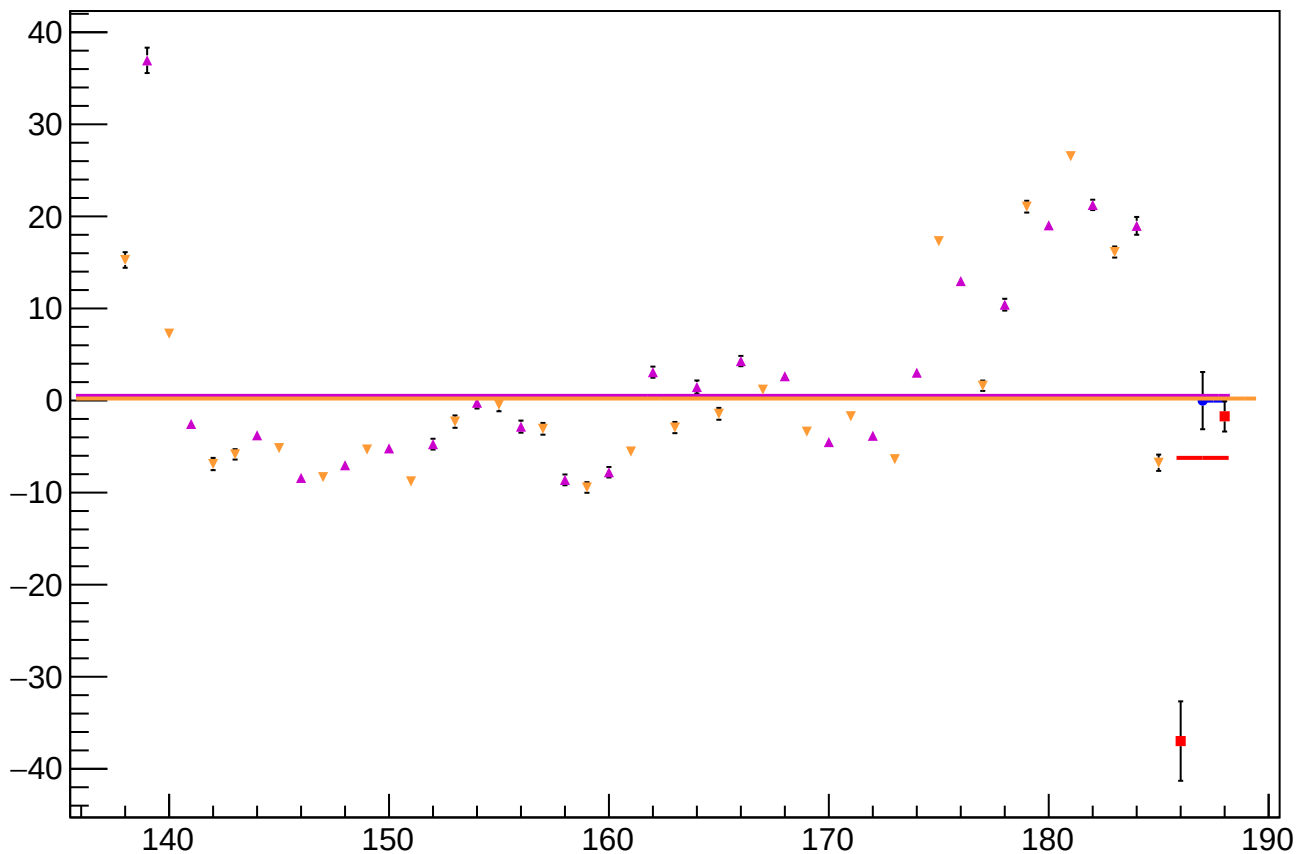
Right: 12.843+/-0.858 χ^2/NDF : 342.7/2

In: -24.461+/-0.142 χ^2/NDF :15223.9/23

Out: -24.013+/-0.138 χ^2/NDF :20229.6/26

All: -24.231+/-0.099 χ^2/NDF : 35458.6/50

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: -6.227 ± 1.543 $\chi^2/\text{NDF}: 58.3/1$

Left In: 0.507 ± 0.112 $\chi^2/\text{NDF}: 6626.9/22$

Left: 0.358 ± 0.078 $\chi^2/\text{NDF}: 14883.0/47$

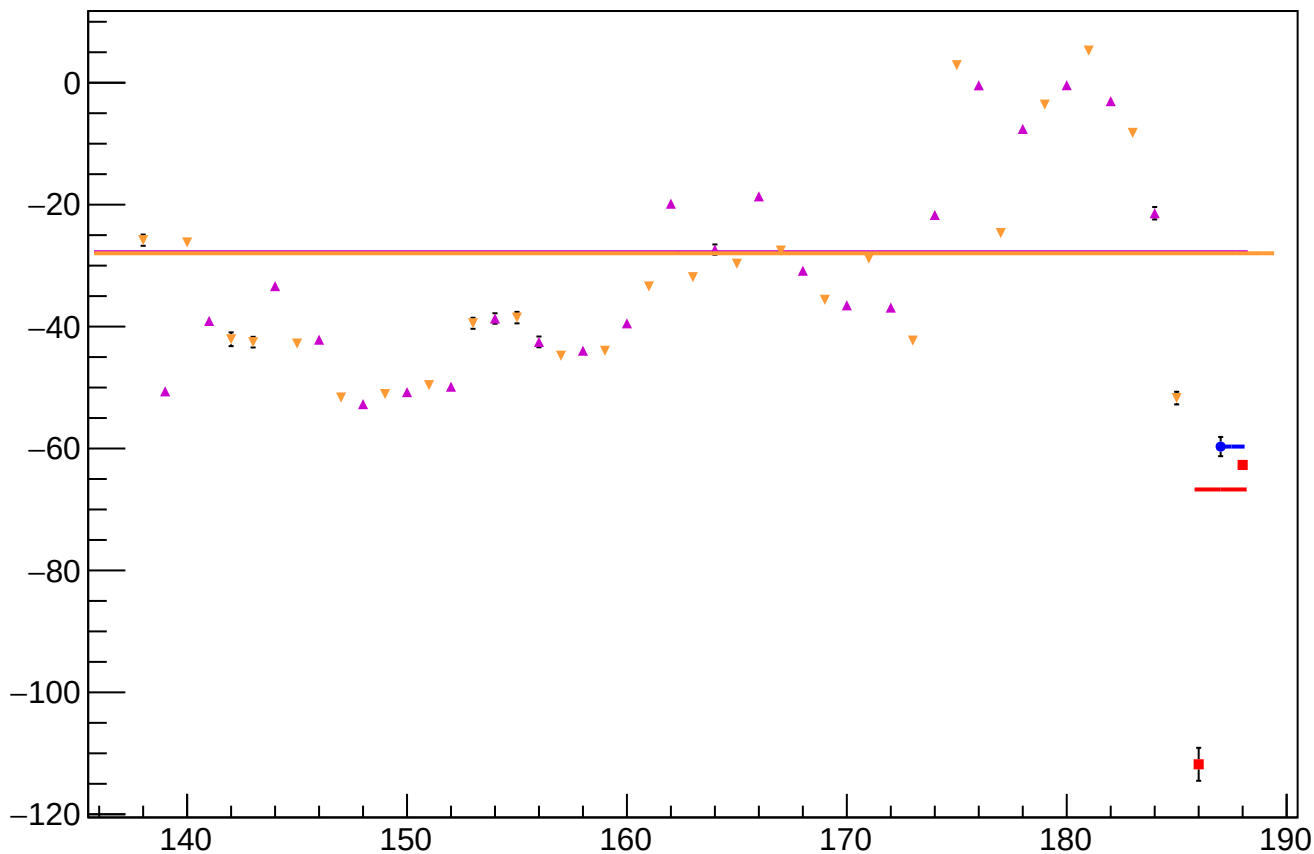
Right: -4.997 ± 1.382 $\chi^2/\text{NDF}: 61.5/2$

In: 0.506 ± 0.112 $\chi^2/\text{NDF}: 6626.9/23$

Out: 0.186 ± 0.109 $\chi^2/\text{NDF}: 8328.2/26$

All: 0.341 ± 0.078 $\chi^2/\text{NDF}: 14959.4/50$

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.683 ± 1.579 χ^2/NDF : 0.0/0

Left Out: -27.977 ± 0.140 χ^2/NDF : 17079.0/24

Right Out: -66.718 ± 0.774 χ^2/NDF : 302.4/1

Left In: -27.796 ± 0.142 χ^2/NDF : 15193.3/22

Left: -27.888 ± 0.100 χ^2/NDF : 32273.2/47

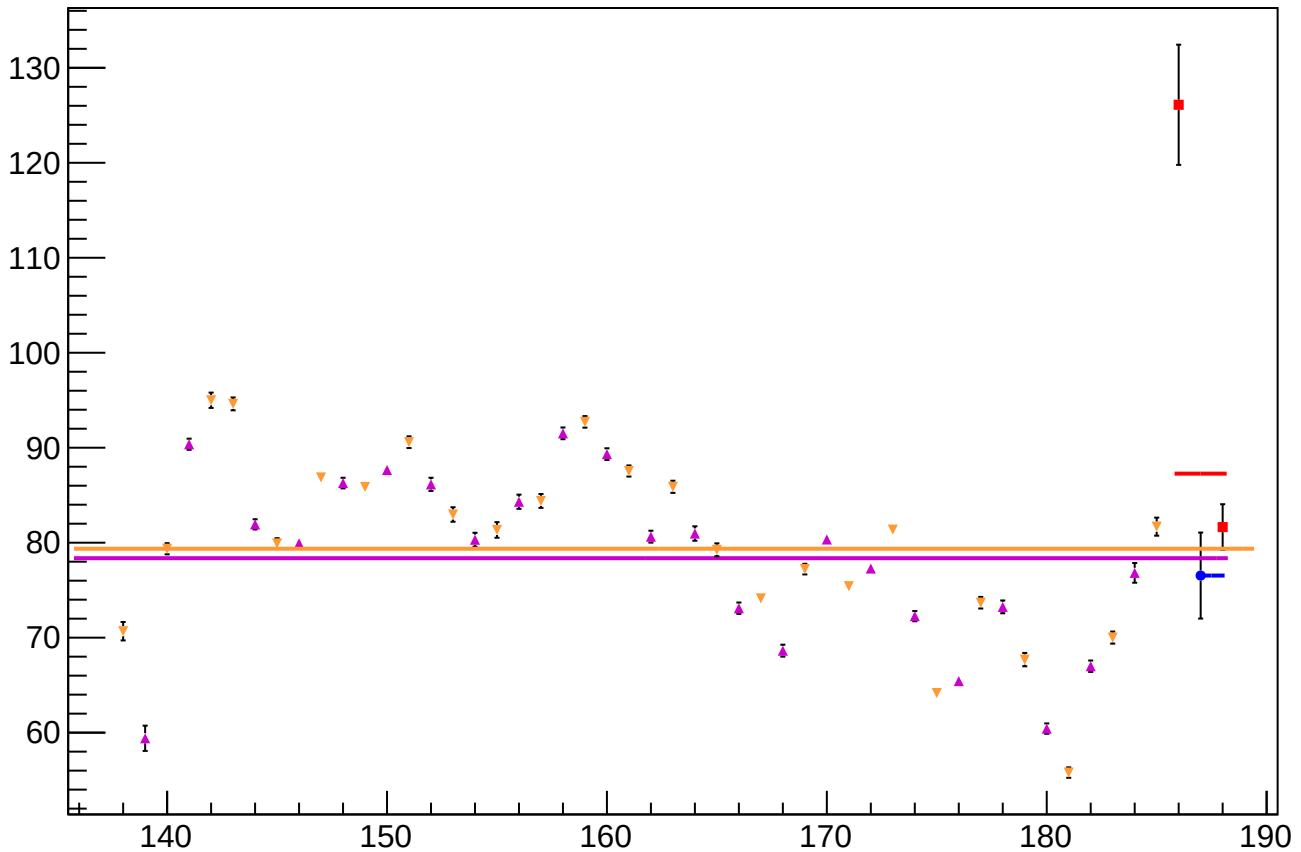
Right: -65.354 ± 0.695 χ^2/NDF : 318.4/2

In: -28.051 ± 0.141 χ^2/NDF : 15597.8/23

Out: -29.206 ± 0.138 χ^2/NDF : 19805.1/26

All: -28.642 ± 0.099 χ^2/NDF : 35437.2/50

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 76.539 $\pm$ 4.529 χ^2 /NDF: 0.0/0

Left Out: 79.364 $\pm$ 0.123 χ^2 /NDF:5966.3/24

Right Out: 87.270 $\pm$ 2.252 χ^2 /NDF: 43.1/1

Left In: 78.367 $\pm$ 0.126 χ^2 /NDF:4735.5/22

Left: 78.877 $\pm$ 0.088 χ^2 /NDF: 10733.6/47

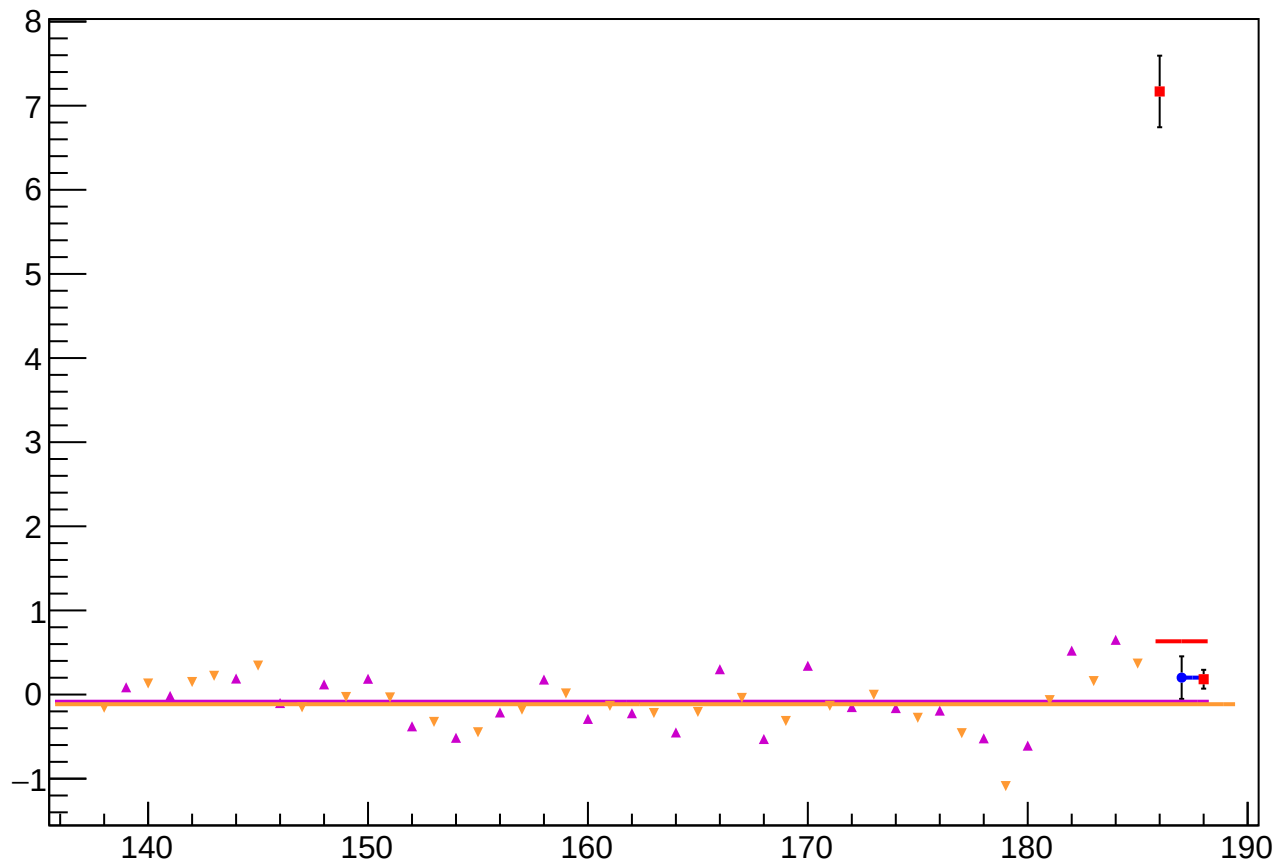
Right: 85.143 $\pm$ 2.016 χ^2 /NDF: 47.6/2

In: 78.366 $\pm$ 0.126 χ^2 /NDF:4735.7/23

Out: 79.387 $\pm$ 0.123 χ^2 /NDF:6021.7/26

All: 78.889 $\pm$ 0.088 χ^2 /NDF: 10790.9/50

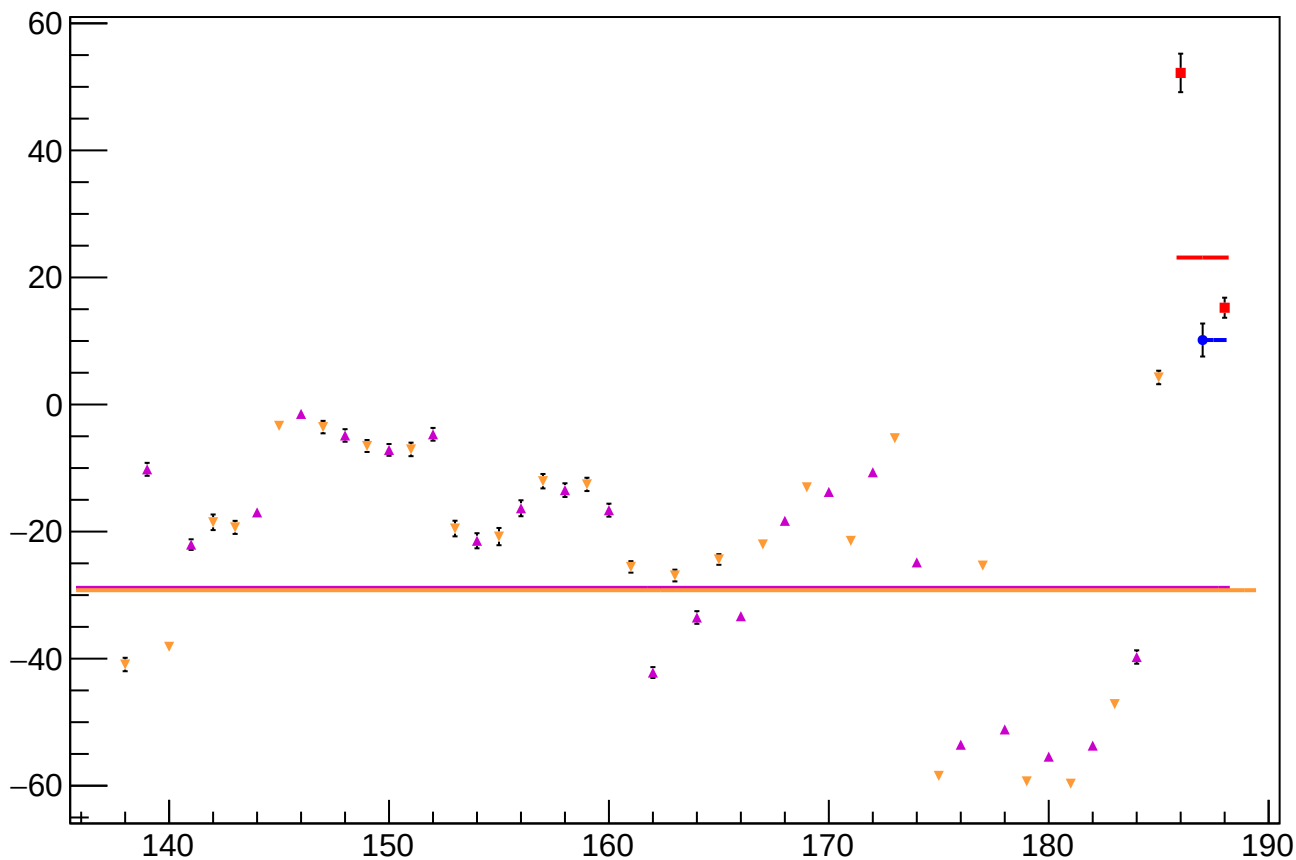
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.253 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -0.115 ± 0.006 $\chi^2/\text{NDF}: 2288.7/24$
 Right Out: 0.633 ± 0.108 $\chi^2/\text{NDF}: 252.3/1$
 Left In: -0.085 ± 0.006 $\chi^2/\text{NDF}: 3148.4/22$

Left: -0.100 ± 0.004 $\chi^2/\text{NDF}: 5450.5/47$
 Right: 0.566 ± 0.099 $\chi^2/\text{NDF}: 254.8/2$
 In: -0.085 ± 0.006 $\chi^2/\text{NDF}: 3149.7/23$
 Out: -0.113 ± 0.006 $\chi^2/\text{NDF}: 2588.8/26$
 All: -0.099 ± 0.004 $\chi^2/\text{NDF}: 5750.3/50$

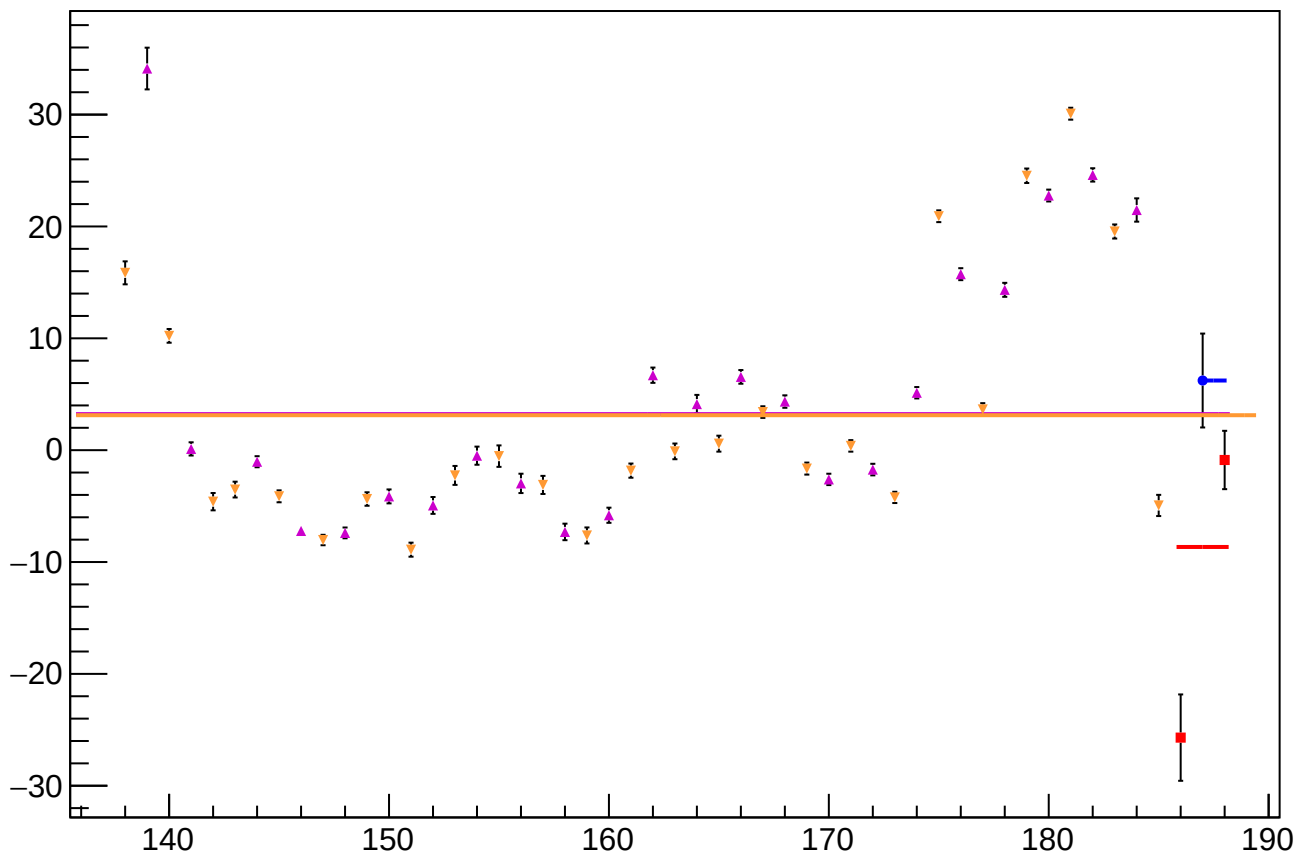
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: 23.134+/-1.401 χ^2/NDF : 117.0/1
 Left In: -28.857+/-0.159 χ^2/NDF :13553.6/22

Left: -29.044+/-0.112 χ^2/NDF : 30436.3/47
 Right: 20.205+/-1.233 χ^2/NDF : 136.3/2
 In: -28.711+/-0.159 χ^2/NDF :13778.6/23
 Out: -28.578+/-0.156 χ^2/NDF :18376.7/26
 All: -28.643+/-0.111 χ^2/NDF : 32155.6/50

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.227+/-4.197 χ^2/NDF : 0.0/0

Left Out: 3.126+/-0.125 χ^2/NDF :8049.0/24

Right Out: -8.654+/-2.161 χ^2/NDF : 28.4/1

Left In: 3.224+/-0.127 χ^2/NDF :6274.0/22

Left: 3.174+/-0.089 χ^2/NDF : 14323.3/47

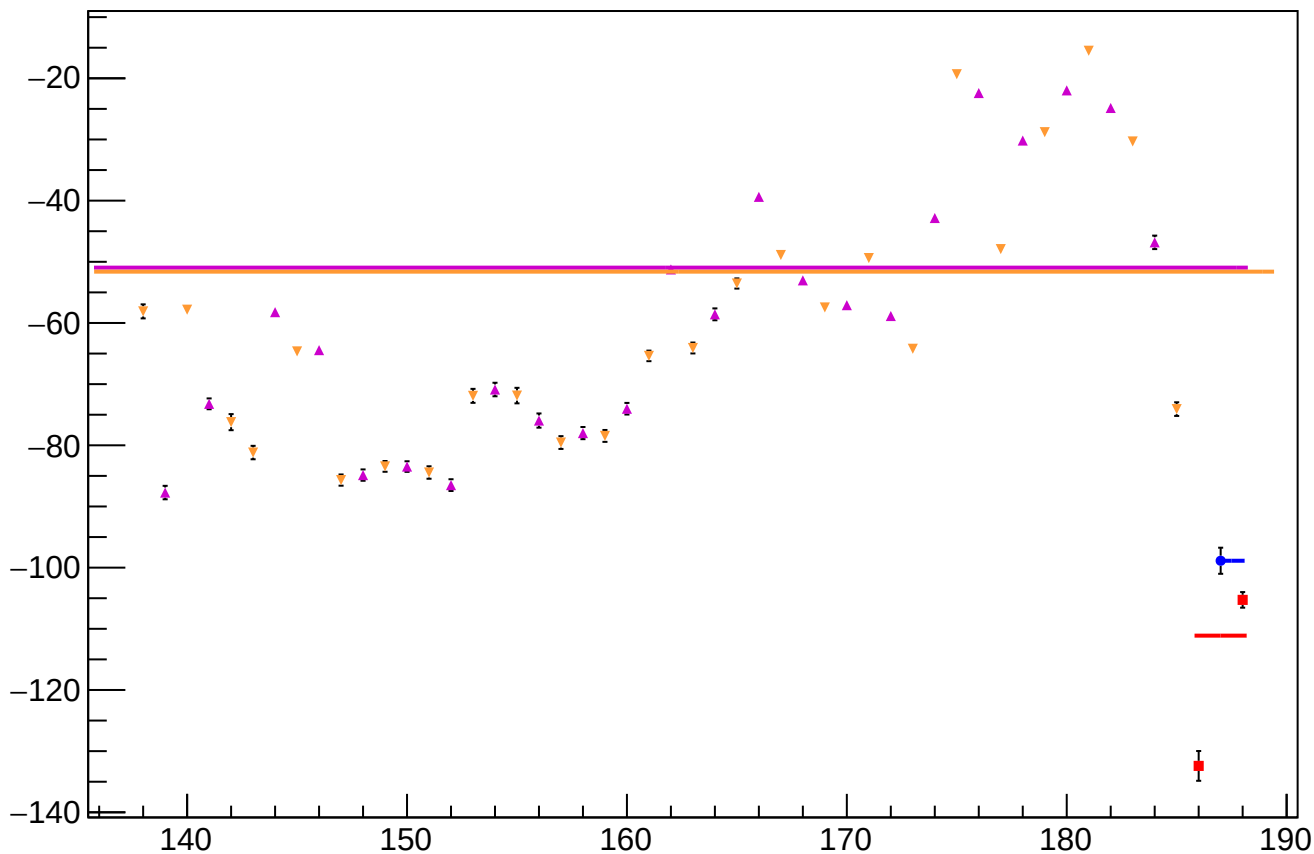
Right: -5.536+/-1.921 χ^2/NDF : 38.3/2

In: 3.227+/-0.126 χ^2/NDF :6274.5/23

Out: 3.086+/-0.124 χ^2/NDF :8107.0/26

All: 3.155+/-0.089 χ^2/NDF : 14382.1/50

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: -111.117+/-1.130 χ^2/NDF : 97.5/1

Left In: -50.954+/-0.159 χ^2/NDF :17472.2/22

Left: -51.285+/-0.112 χ^2/NDF : 36865.6/47

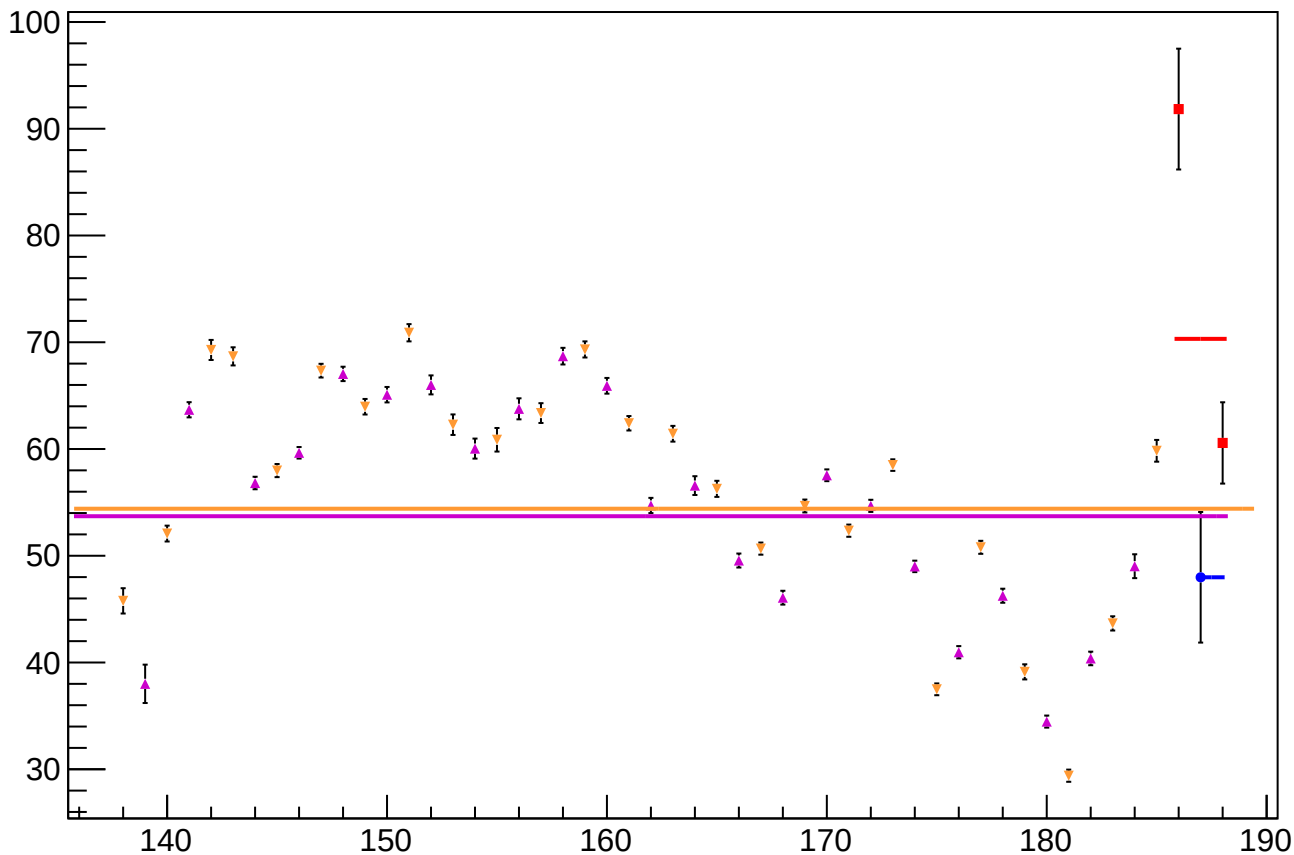
Right: -108.436+/-0.999 χ^2/NDF : 123.2/2

In: -51.220+/-0.159 χ^2/NDF :17973.7/23

Out: -52.752+/-0.157 χ^2/NDF :22201.9/26

All: -51.998+/-0.112 χ^2/NDF : 40222.7/50

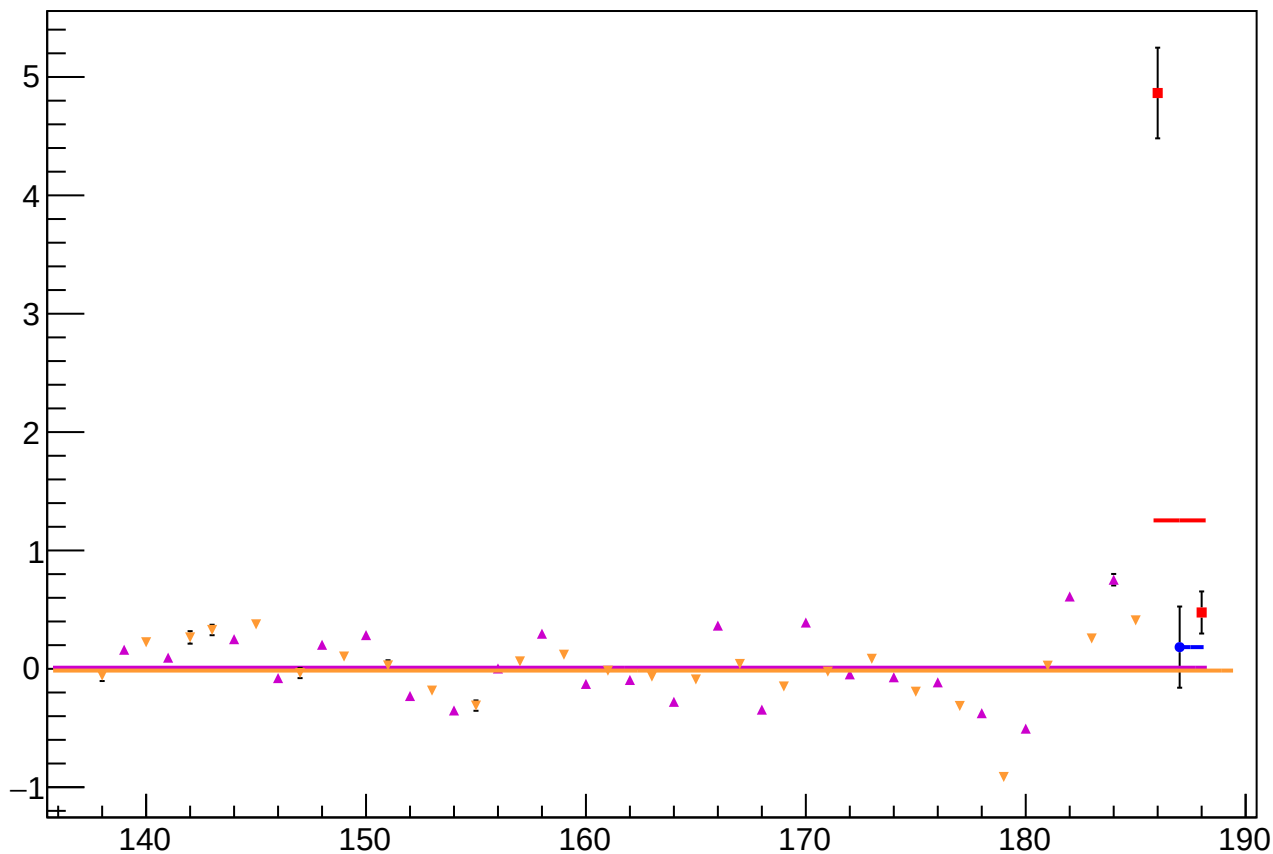
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 70.318+/-3.160 χ^2/NDF : 21.0/1
 Left In: 53.704+/-0.143 χ^2/NDF : 4603.5/22

Left: 54.060+/-0.100 χ^2/NDF : 10816.3/47
 Right: 65.614+/-2.807 χ^2/NDF : 31.5/2
 In: 53.700+/-0.143 χ^2/NDF : 4604.4/23
 Out: 54.438+/-0.140 χ^2/NDF : 6246.8/26
 All: 54.075+/-0.100 χ^2/NDF : 10864.7/50

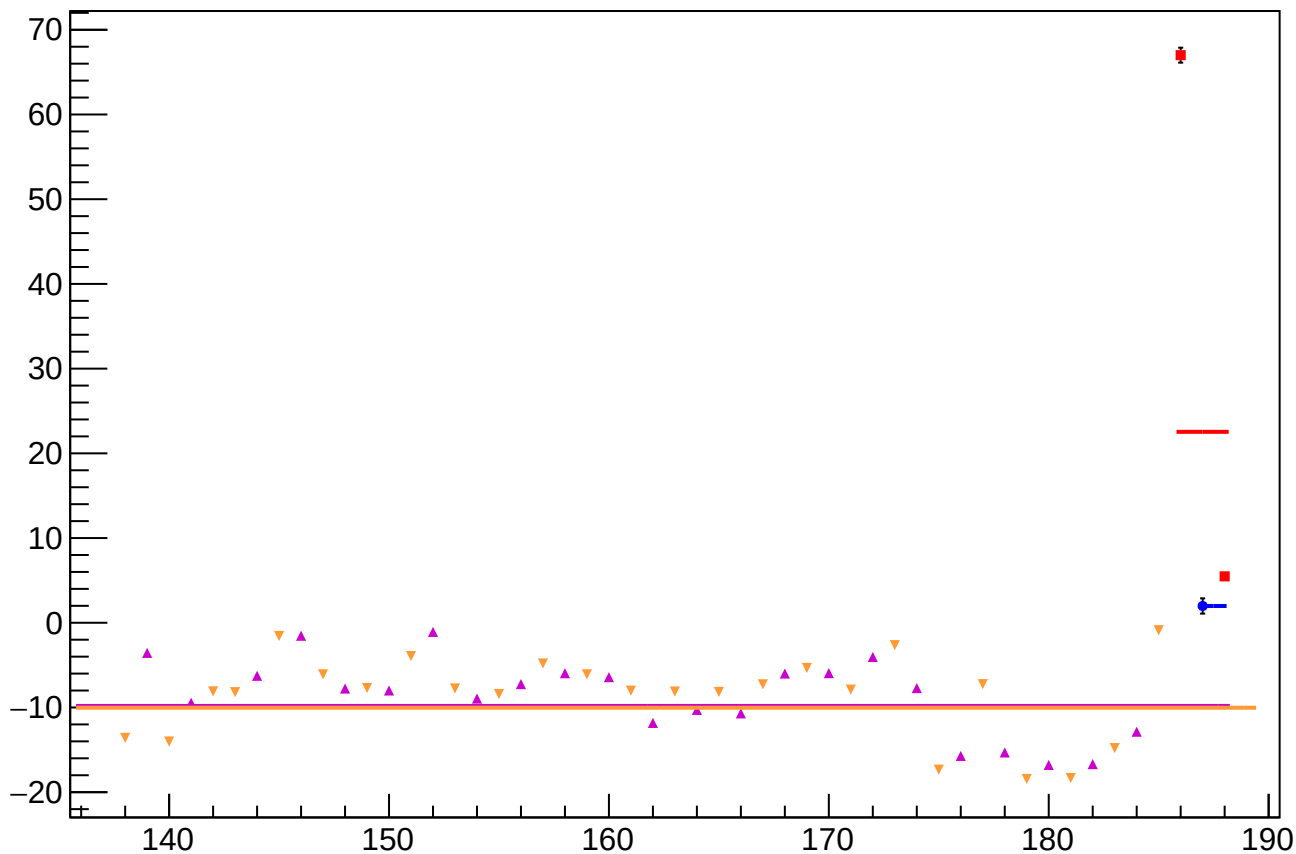
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: 1.254+/-0.161 χ^2/NDF : 108.0/1
 Left In: 0.009+/-0.007 χ^2/NDF :2228.9/22

Left: -0.003+/-0.005 χ^2/NDF : 3881.7/47
 Right: 1.060+/-0.146 χ^2/NDF : 116.0/2
 In: 0.009+/-0.007 χ^2/NDF :2229.2/23
 Out: -0.013+/-0.006 χ^2/NDF :1815.7/26
 All: -0.002+/-0.005 χ^2/NDF : 4050.7/50

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: 22.539+/-0.466 χ^2/NDF : 3494.1/1

Left In: -9.820+/-0.051 χ^2/NDF :9468.8/22

Left: -9.926+/-0.036 χ^2/NDF : 22007.5/47

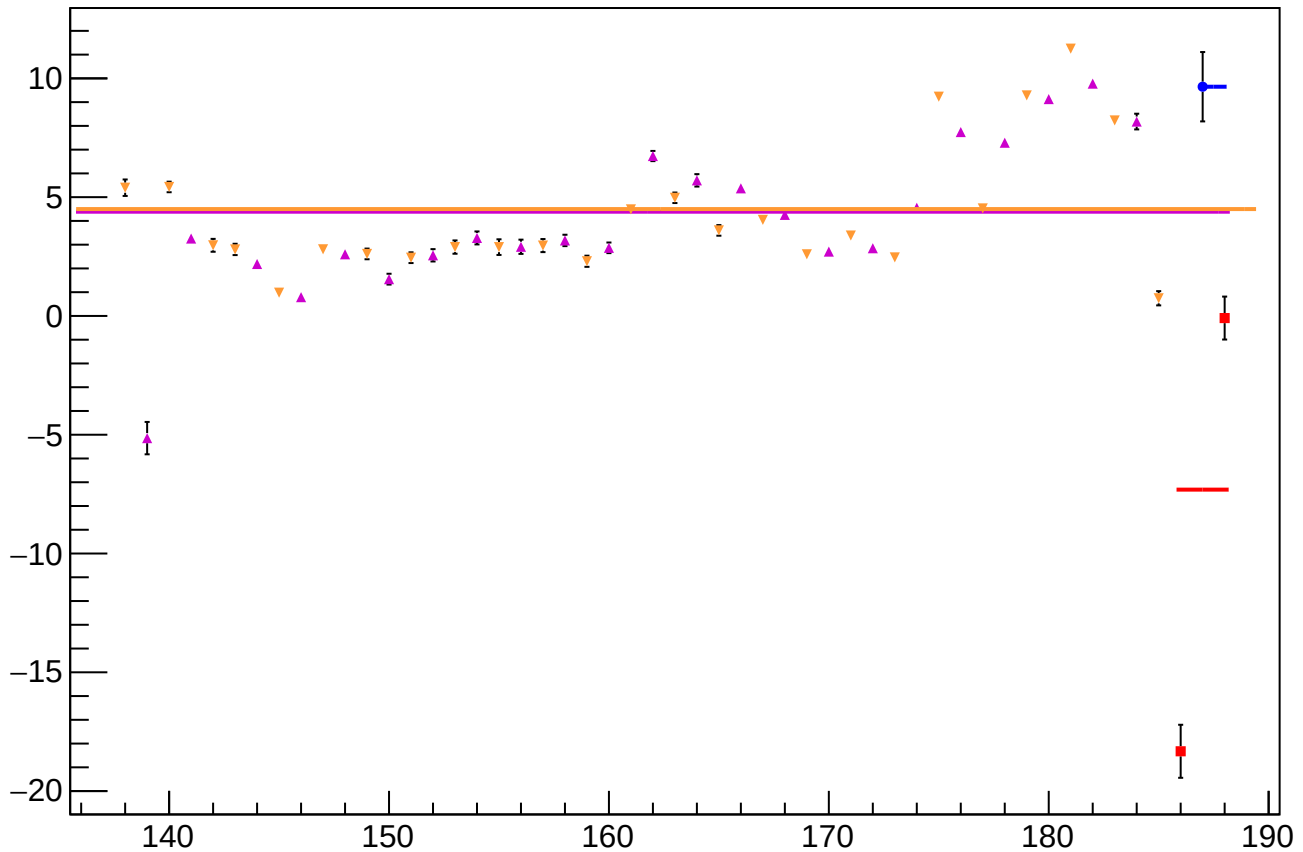
Right: 18.208+/-0.414 χ^2/NDF : 3904.2/2

In: -9.782+/-0.051 χ^2/NDF :9639.5/23

Out: -9.648+/-0.050 χ^2/NDF :20852.2/26

All: -9.714+/-0.036 χ^2/NDF : 30495.2/50

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: -7.311 $\pm$ 0.702 χ^2 /NDF: 161.2/1

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

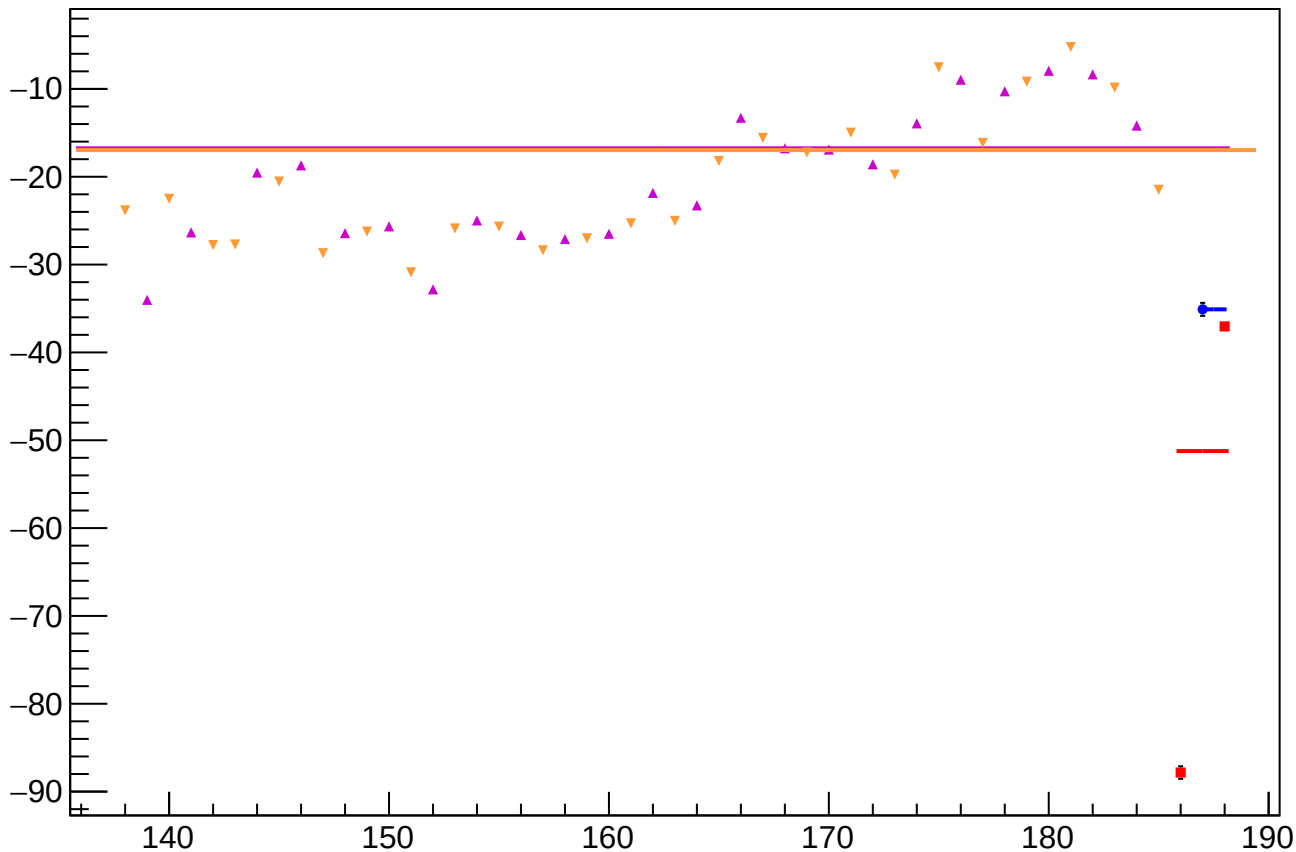
Right: -4.123 $\pm$ 0.633 χ^2 /NDF: 270.8/2

In: 4.392 $\pm$ 0.041 χ^2 /NDF: 4279.4/23

Out: 4.459 $\pm$ 0.041 χ^2 /NDF: 5252.3/26

All: 4.426 $\pm$ 0.029 χ^2 /NDF: 9533.0/50

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: -51.232 ± 0.376 χ^2/NDF : 3678.2/1

Left In: -16.764 ± 0.051 χ^2/NDF : 19037.7/22

Left: -16.865 ± 0.036 χ^2/NDF : 40947.4/47

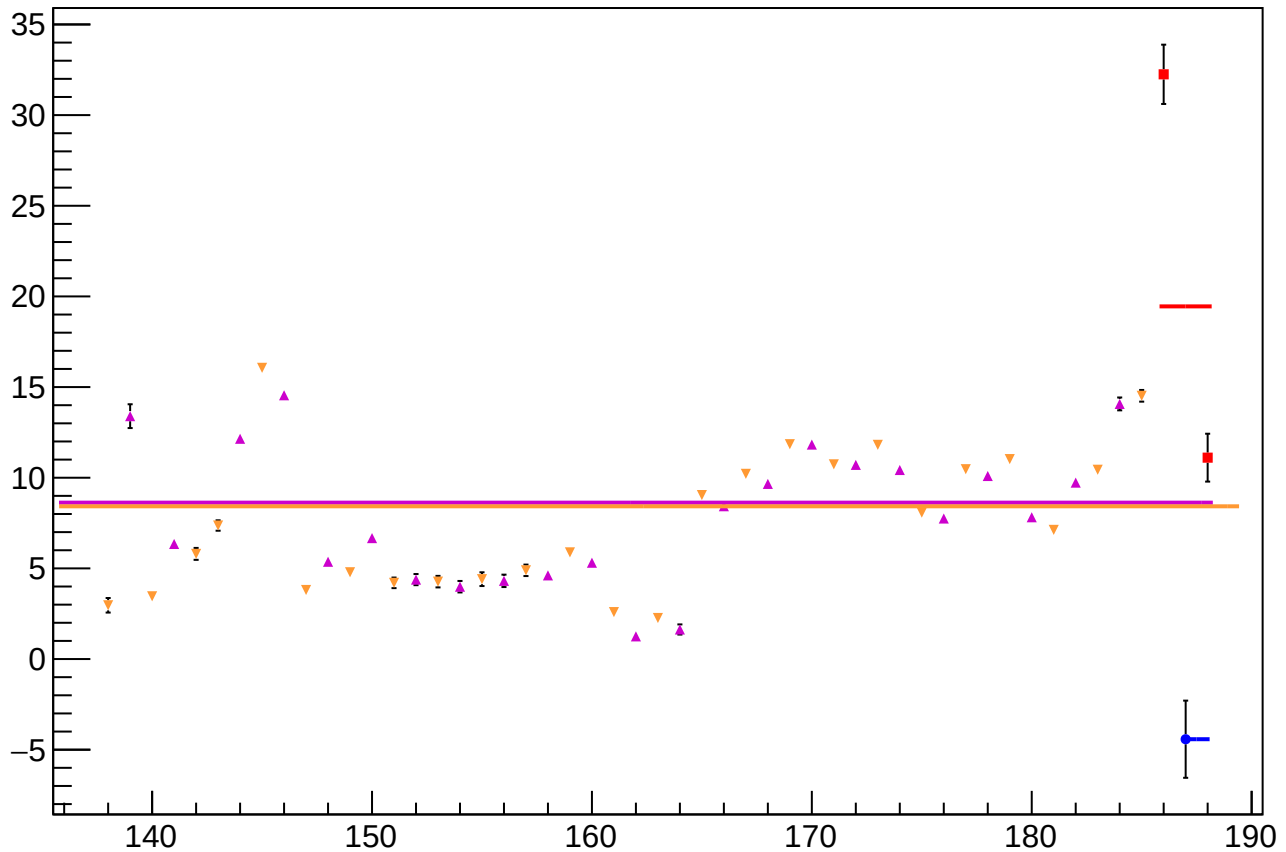
Right: -47.934 ± 0.335 χ^2/NDF : 4055.1/2

In: -16.852 ± 0.051 χ^2/NDF : 19646.2/23

Out: -17.588 ± 0.051 χ^2/NDF : 33745.3/26

All: -17.224 ± 0.036 χ^2/NDF : 53496.0/50

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: 19.450 ± 1.027 χ^2/NDF : 101.2/1

Left In: 8.626 ± 0.046 χ^2/NDF : 5531.9/22

Left: 8.524 ± 0.032 χ^2/NDF : 12020.2/47

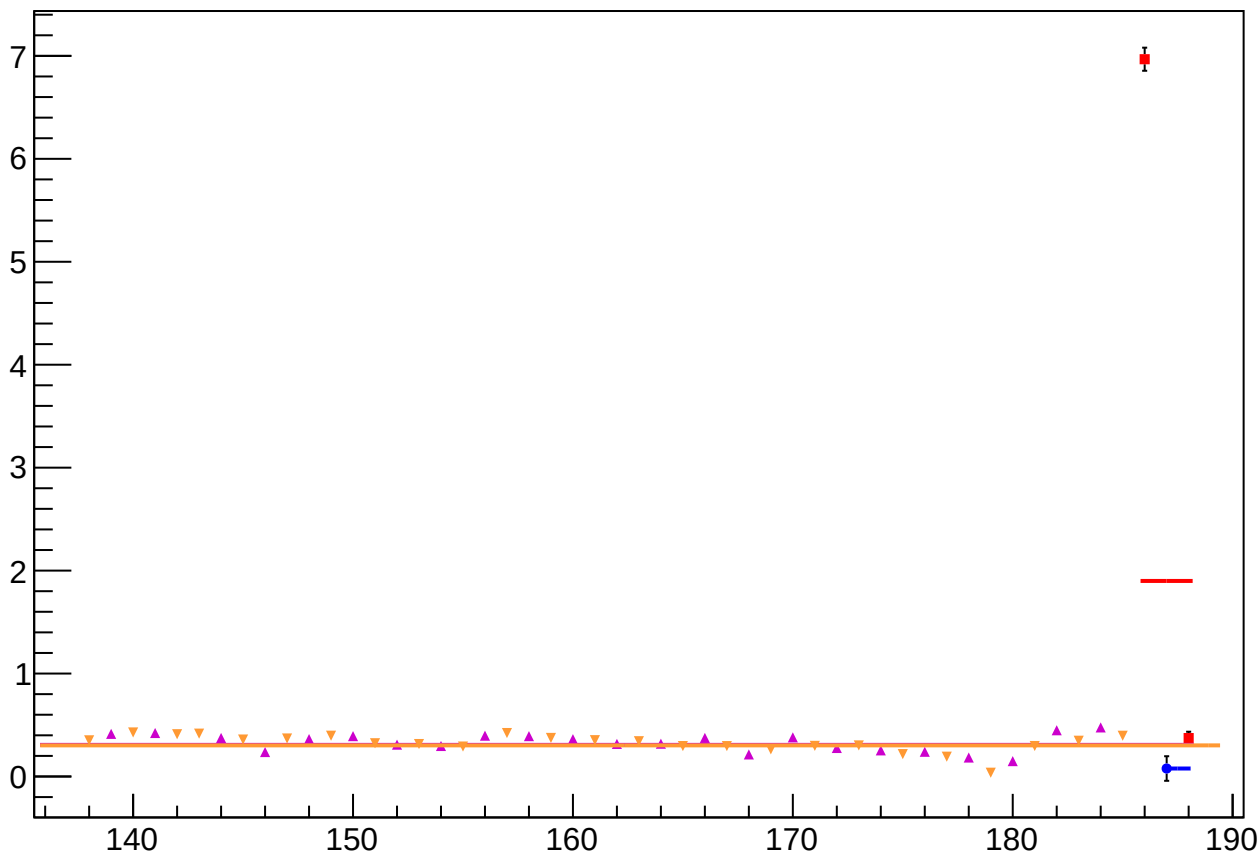
Right: 14.939 ± 0.925 χ^2/NDF : 203.2/2

In: 8.620 ± 0.046 χ^2/NDF : 5569.4/23

Out: 8.446 ± 0.046 χ^2/NDF : 6694.8/26

All: 8.532 ± 0.032 χ^2/NDF : 12271.4/50

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: 1.900+/-0.054 χ^2/NDF : 2655.2/1

Left In: 0.307+/-0.002 χ^2/NDF :1716.8/22

Left: 0.305+/-0.001 χ^2/NDF : 3309.3/47

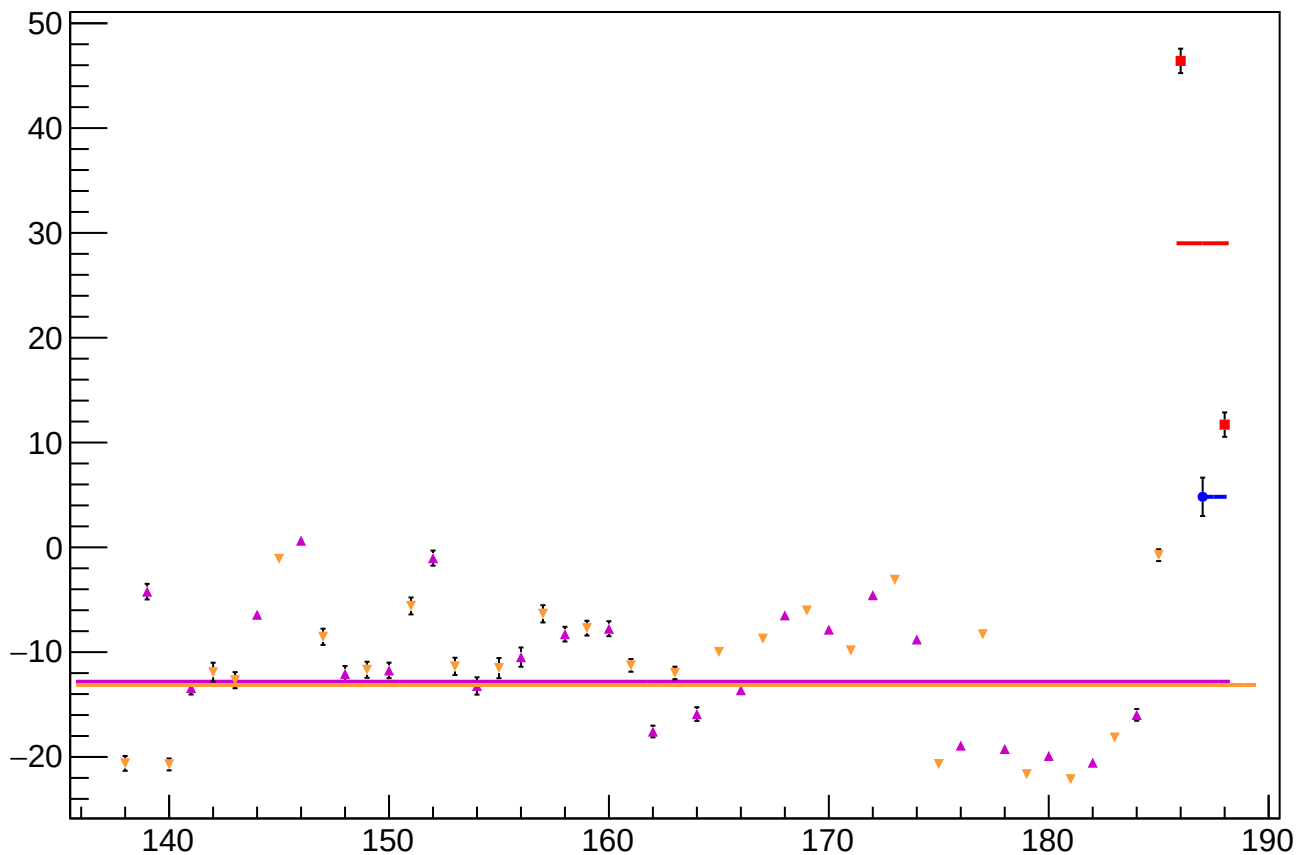
Right: 1.590+/-0.049 χ^2/NDF : 2848.8/2

In: 0.307+/-0.002 χ^2/NDF :1720.5/23

Out: 0.305+/-0.002 χ^2/NDF :5119.5/26

All: 0.306+/-0.001 χ^2/NDF : 6840.7/50

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: 29.009+/-0.824 χ^2/NDF : 443.8/1

Left In: -12.823+/-0.095 χ^2/NDF : 4841.5/22

Left: -12.979+/-0.067 χ^2/NDF : 10821.3/47

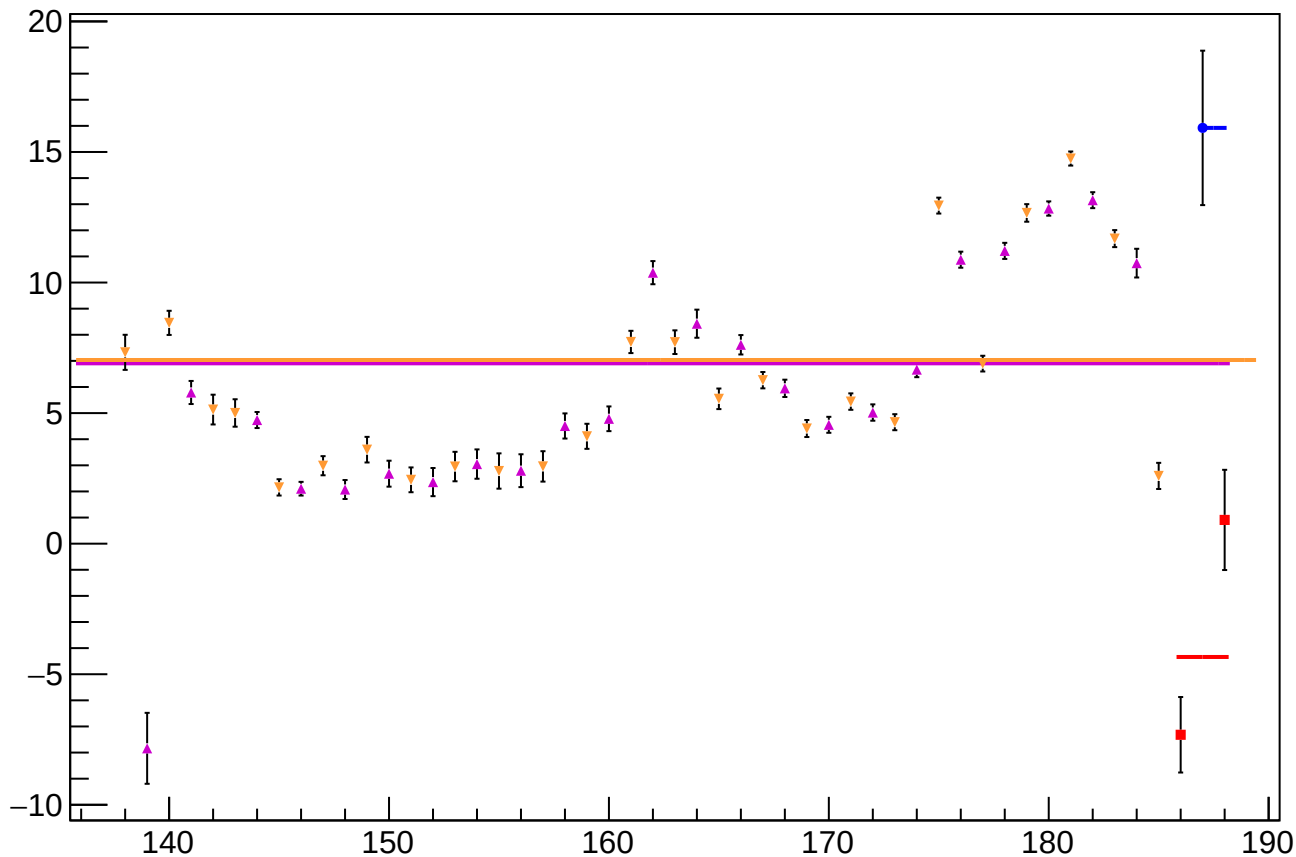
Right: 24.931+/-0.751 χ^2/NDF : 589.3/2

In: -12.776+/-0.095 χ^2/NDF : 4934.3/23

Out: -12.594+/-0.093 χ^2/NDF : 9002.7/26

All: -12.683+/-0.066 χ^2/NDF : 13938.8/50

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: -4.339+/-1.155 χ^2/NDF : 11.7/1

Left In: 6.906+/-0.077 χ^2/NDF : 2442.8/22

Left: 6.970+/-0.055 χ^2/NDF : 5101.7/47

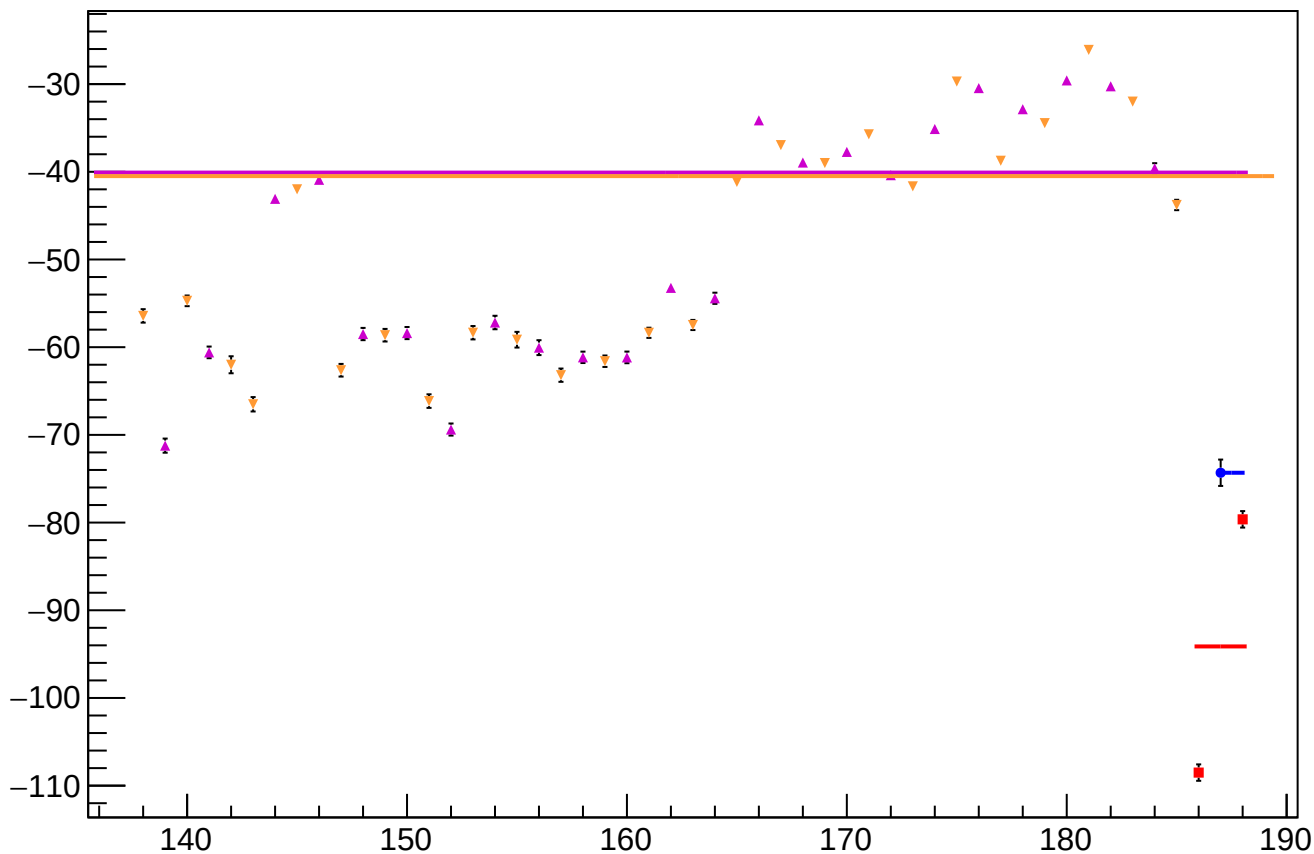
Right: -1.659+/-1.075 χ^2/NDF : 52.5/2

In: 6.912+/-0.077 χ^2/NDF : 2452.1/23

Out: 6.983+/-0.077 χ^2/NDF : 2765.8/26

All: 6.948+/-0.055 χ^2/NDF : 5218.4/50

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: -94.124 ± 0.663 χ^2/NDF : 474.6/1

Left In: -40.091 ± 0.095 χ^2/NDF : 14103.5/22

Left: -40.292 ± 0.067 χ^2/NDF : 29547.4/47

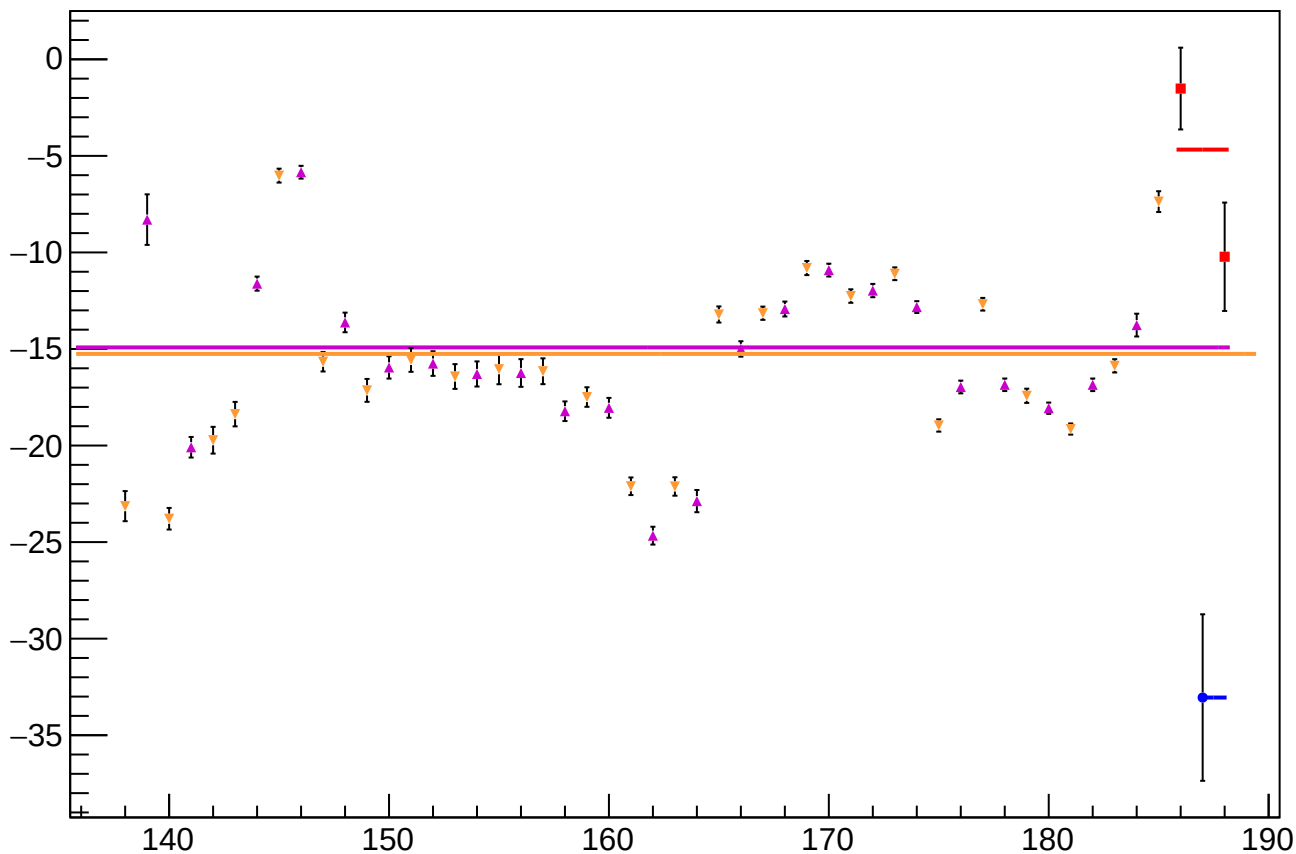
Right: -90.900 ± 0.606 χ^2/NDF : 619.9/2

In: -40.227 ± 0.095 χ^2/NDF : 14620.0/23

Out: -41.568 ± 0.094 χ^2/NDF : 22325.5/26

All: -40.906 ± 0.067 χ^2/NDF : 37046.1/50

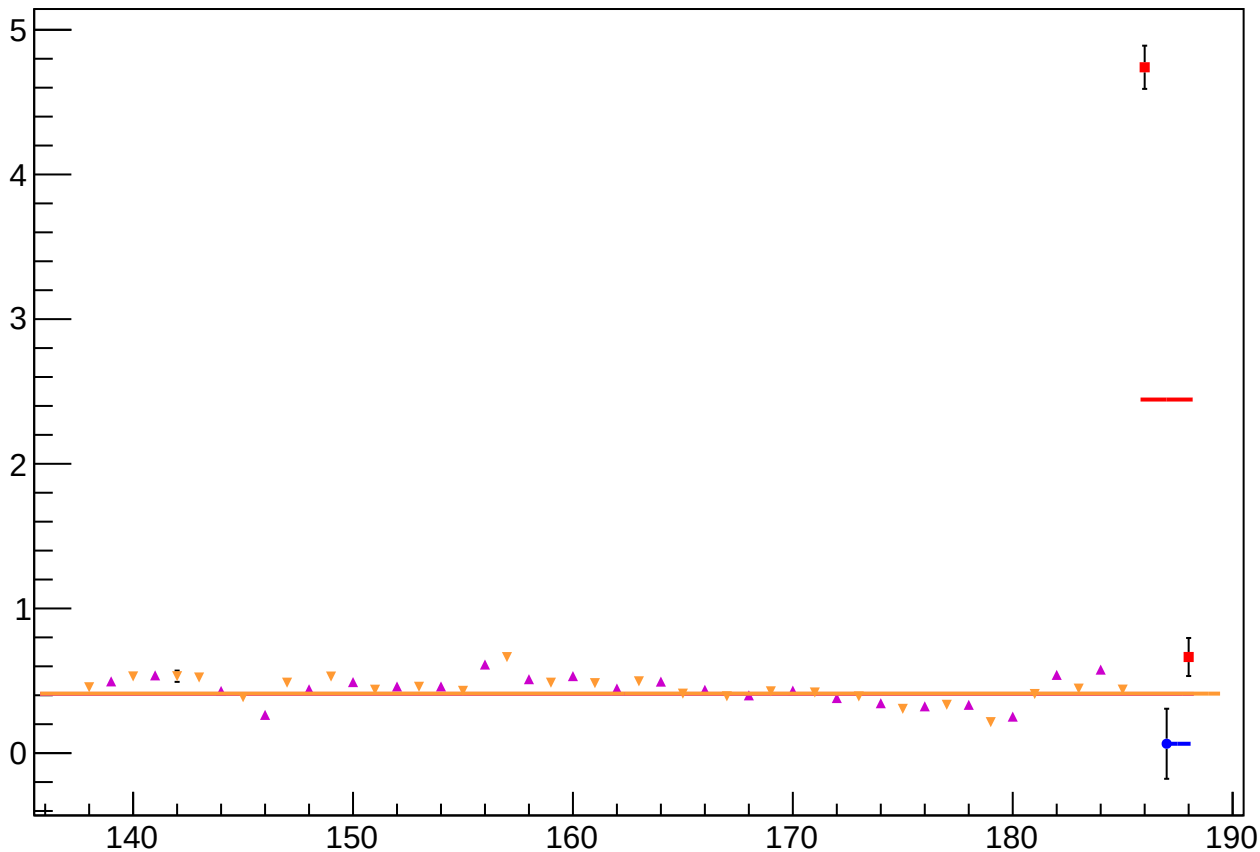
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.050 $\pm$ 4.311 χ^2 /NDF: 0.0/0
 Left Out: -15.254 $\pm$ 0.086 χ^2 /NDF:2594.4/24
 Right Out: -4.675 $\pm$ 1.690 χ^2 /NDF: 6.1/1
 Left In: -14.919 $\pm$ 0.087 χ^2 /NDF:2207.7/22

Left: -15.088 $\pm$ 0.061 χ^2 /NDF: 4809.7/47
 Right: -8.455 $\pm$ 1.574 χ^2 /NDF: 43.7/2
 In: -14.926 $\pm$ 0.087 χ^2 /NDF:2225.4/23
 Out: -15.227 $\pm$ 0.086 χ^2 /NDF:2639.6/26
 All: -15.078 $\pm$ 0.061 χ^2 /NDF: 4871.1/50

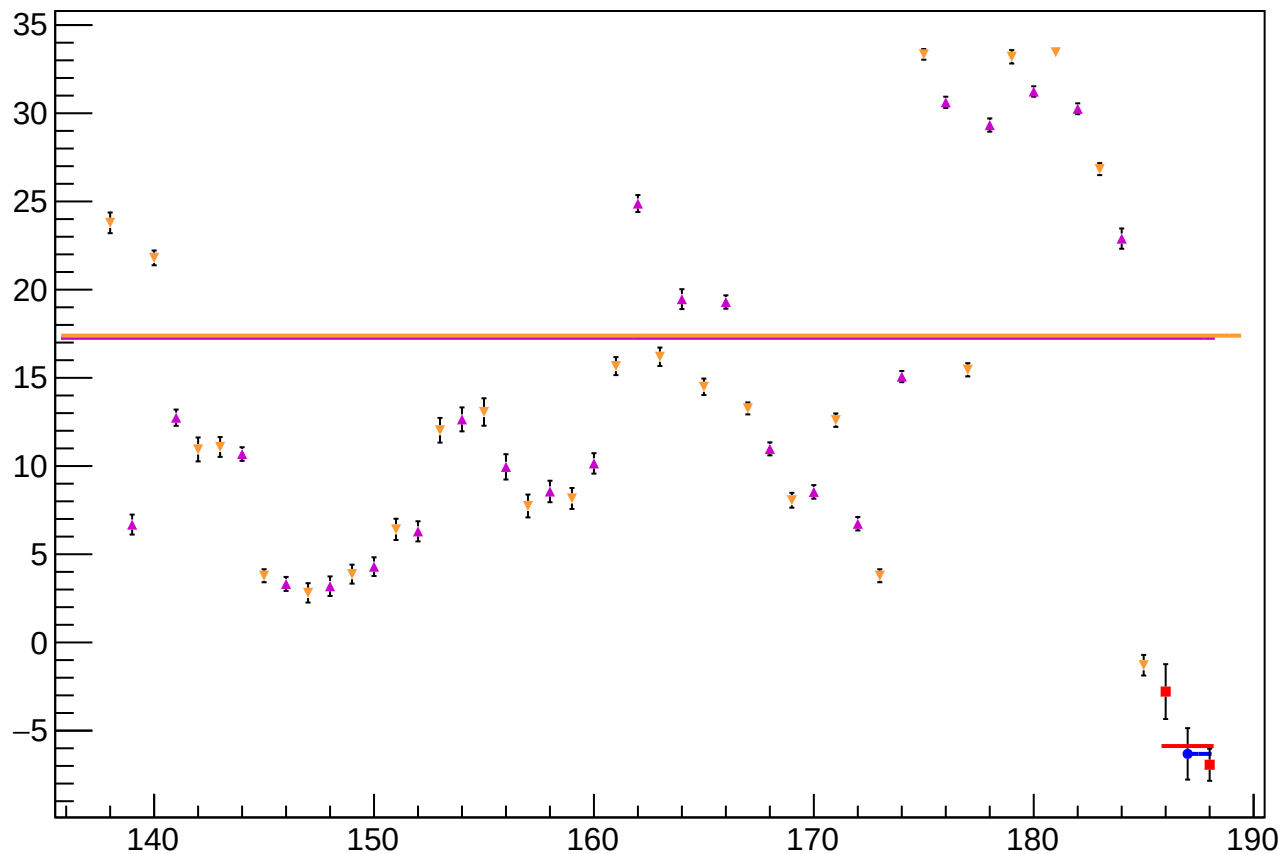
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: 2.444+/-0.099 χ^2/NDF : 419.6/1
 Left In: 0.409+/-0.004 χ^2/NDF : 561.9/22

Left: 0.410+/-0.003 χ^2/NDF : 990.8/47
 Right: 2.105+/-0.091 χ^2/NDF : 502.4/2
 In: 0.409+/-0.004 χ^2/NDF : 563.9/23
 Out: 0.415+/-0.004 χ^2/NDF : 1271.9/26
 All: 0.412+/-0.003 χ^2/NDF : 1836.8/50

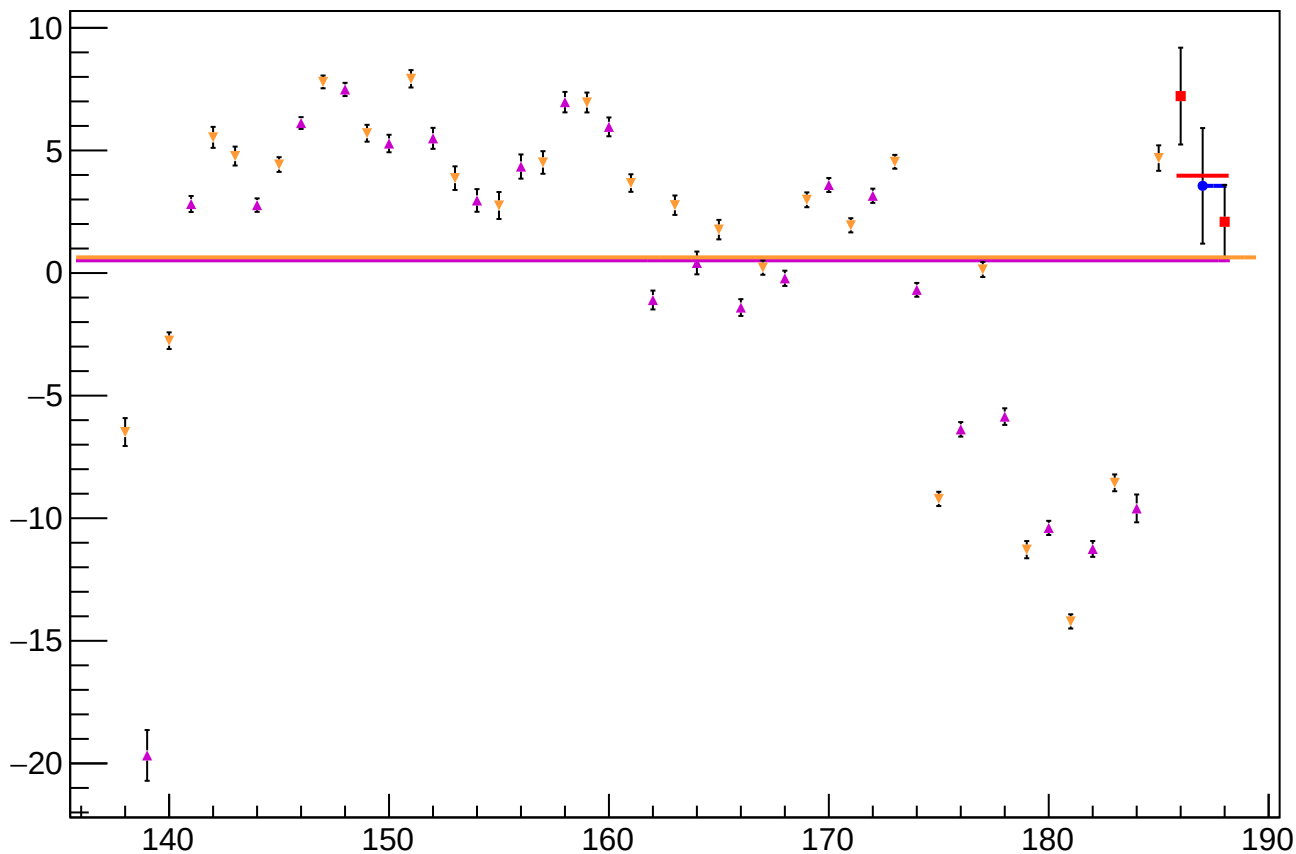
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.318 ± 1.459 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: 17.393 ± 0.087 $\chi^2/\text{NDF}: 16305.7/24$
 Right Out: -5.873 ± 0.785 $\chi^2/\text{NDF}: 5.3/1$
 Left In: 17.271 ± 0.088 $\chi^2/\text{NDF}: 12892.2/22$

Left: 17.333 ± 0.062 $\chi^2/\text{NDF}: 29198.9/47$
 Right: -5.973 ± 0.691 $\chi^2/\text{NDF}: 5.4/2$
 In: 17.184 ± 0.088 $\chi^2/\text{NDF}: 13152.7/23$
 Out: 17.109 ± 0.087 $\chi^2/\text{NDF}: 17178.1/26$
 All: 17.146 ± 0.062 $\chi^2/\text{NDF}: 30331.1/50$

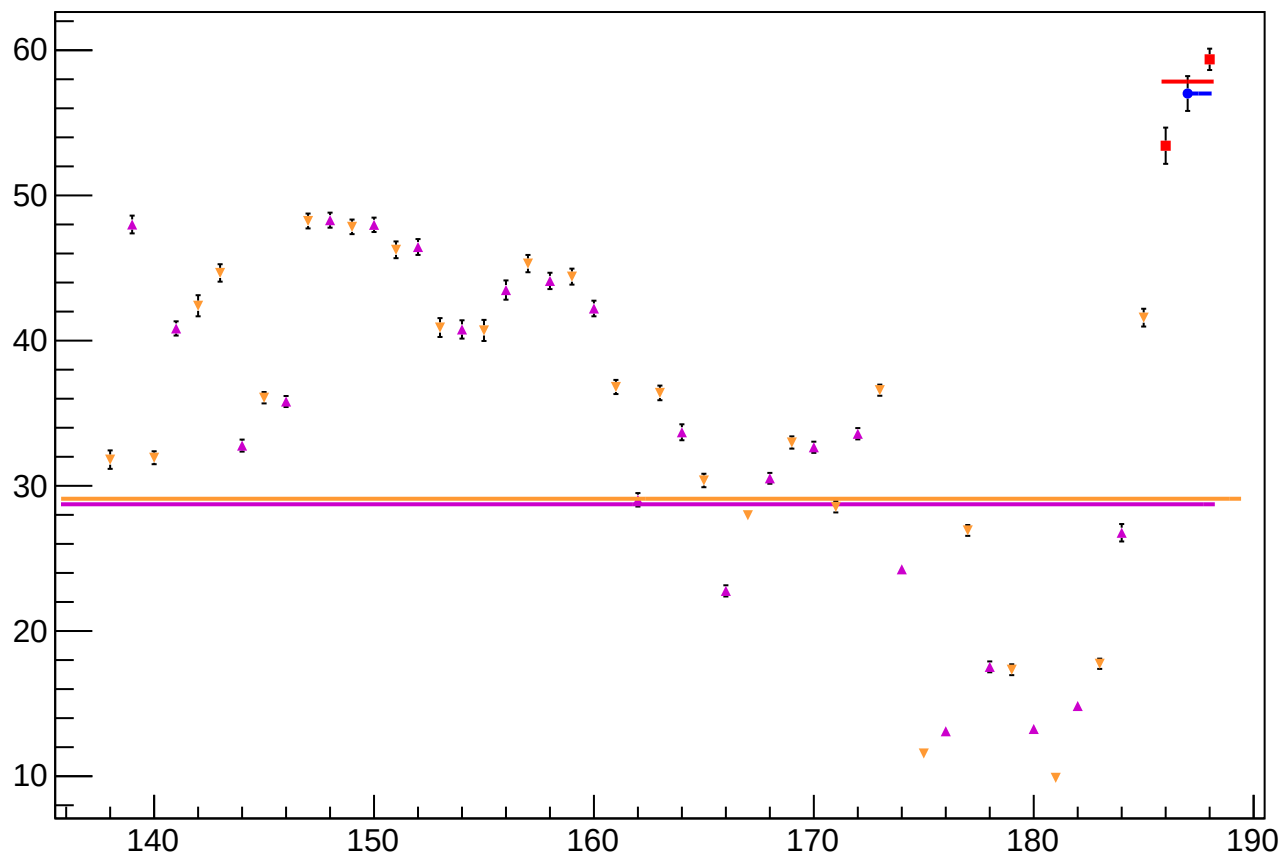
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.556 ± 2.357 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: 0.639 ± 0.070 $\chi^2/\text{NDF}: 8514.9/24$
 Right Out: 3.970 ± 1.196 $\chi^2/\text{NDF}: 4.3/1$
 Left In: 0.519 ± 0.071 $\chi^2/\text{NDF}: 6776.8/22$

Left: 0.580 ± 0.050 $\chi^2/\text{NDF}: 15293.1/47$
 Right: 3.885 ± 1.066 $\chi^2/\text{NDF}: 4.3/2$
 In: 0.522 ± 0.071 $\chi^2/\text{NDF}: 6778.5/23$
 Out: 0.650 ± 0.069 $\chi^2/\text{NDF}: 8526.9/26$
 All: 0.587 ± 0.049 $\chi^2/\text{NDF}: 15307.0/50$

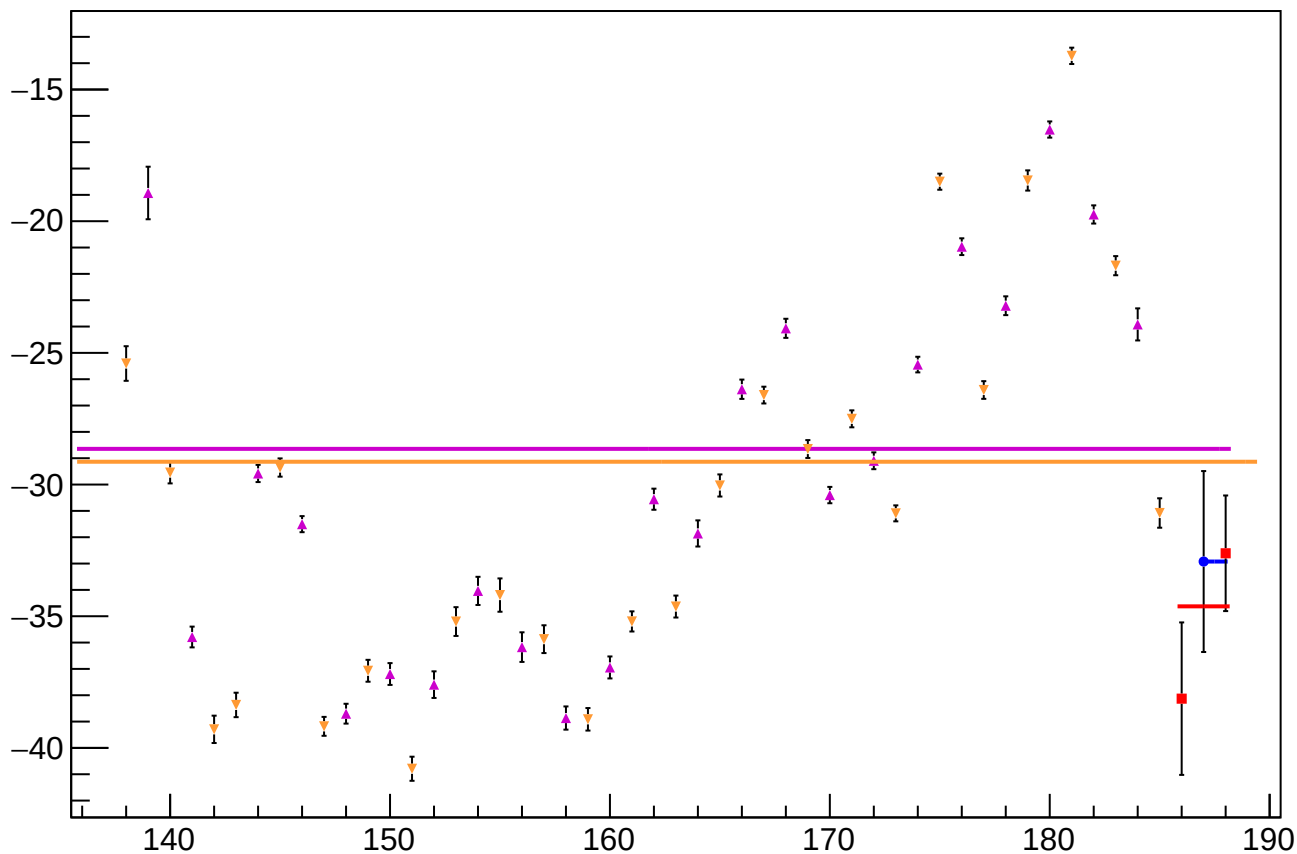
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 57.019+/-1.199 χ^2/NDF : 0.0/0
 Left Out: 29.110+/-0.088 χ^2/NDF :18845.8/24
 Right Out: 57.841+/-0.633 χ^2/NDF : 16.9/1
 Left In: 28.728+/-0.089 χ^2/NDF :17037.4/22

Left: 28.921+/-0.062 χ^2/NDF : 35892.6/47
 Right: 57.661+/-0.560 χ^2/NDF : 17.2/2
 In: 28.882+/-0.089 χ^2/NDF :17591.1/23
 Out: 29.653+/-0.087 χ^2/NDF :20881.5/26
 All: 29.274+/-0.062 χ^2/NDF : 38511.1/50

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: -34.625 ± 1.749 $\chi^2/\text{NDF}: 2.3/1$

Left In: -28.645 ± 0.080 $\chi^2/\text{NDF}: 6693.5/22$

Left: -28.893 ± 0.056 $\chi^2/\text{NDF}: 15710.7/47$

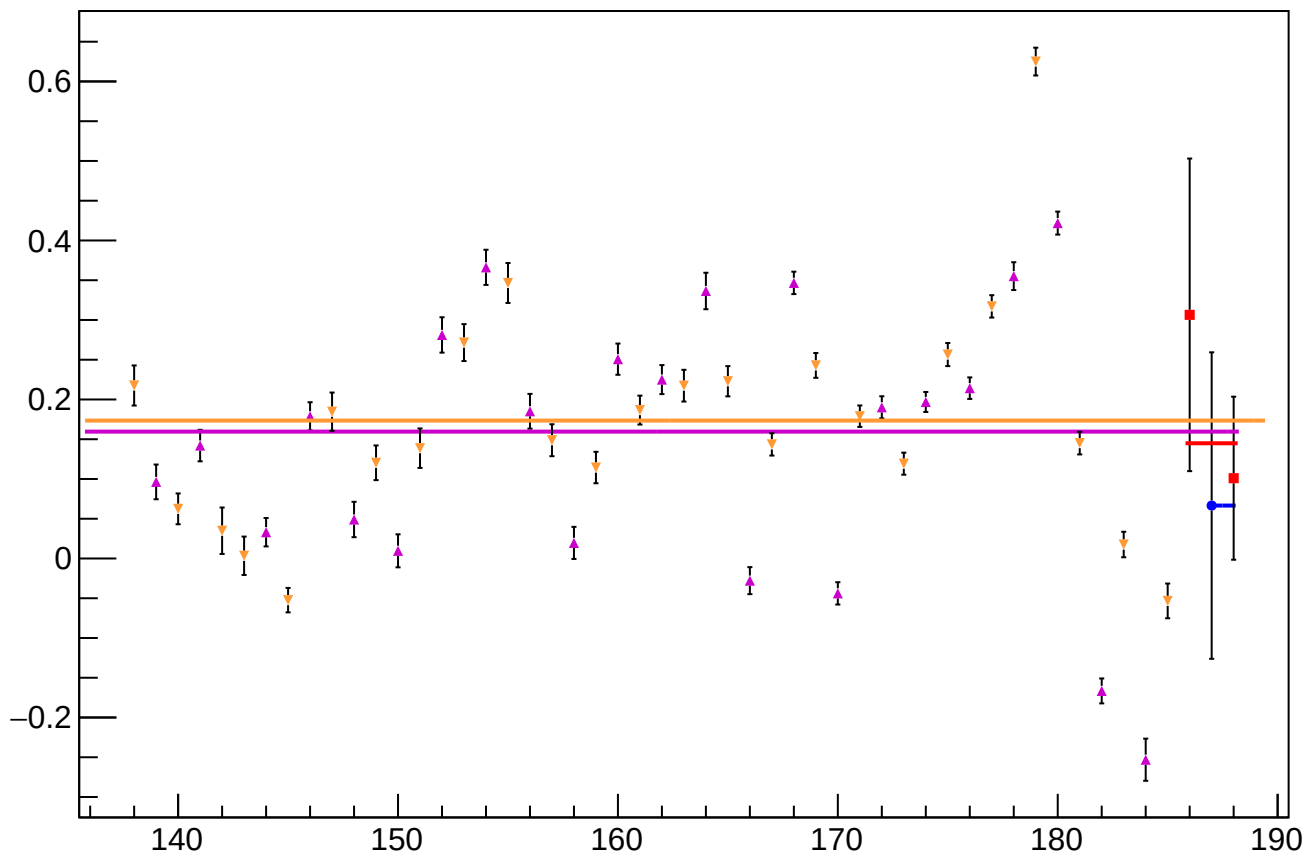
Right: -34.274 ± 1.559 $\chi^2/\text{NDF}: 2.5/2$

In: -28.647 ± 0.079 $\chi^2/\text{NDF}: 6695.1/23$

Out: -29.145 ± 0.078 $\chi^2/\text{NDF}: 9010.2/26$

All: -28.900 ± 0.056 $\chi^2/\text{NDF}: 15725.2/50$

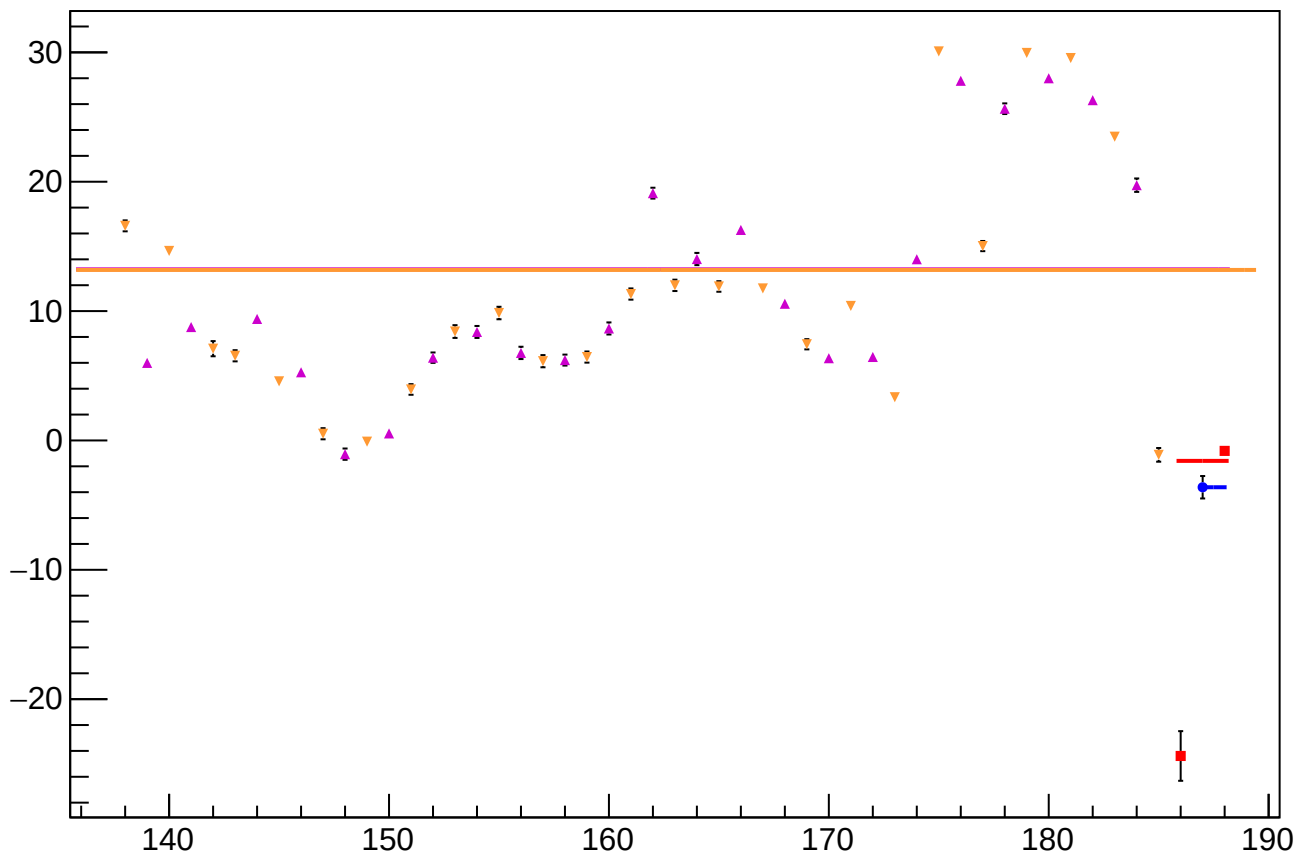
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.145 $\pm$ 0.091 χ^2 /NDF: 0.9/1
 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: 0.131 $\pm$ 0.082 χ^2 /NDF: 1.0/2
 In: 0.160 $\pm$ 0.004 χ^2 /NDF:2064.0/23
 Out: 0.173 $\pm$ 0.004 χ^2 /NDF:1469.8/26
 All: 0.167 $\pm$ 0.003 χ^2 /NDF: 3541.1/50

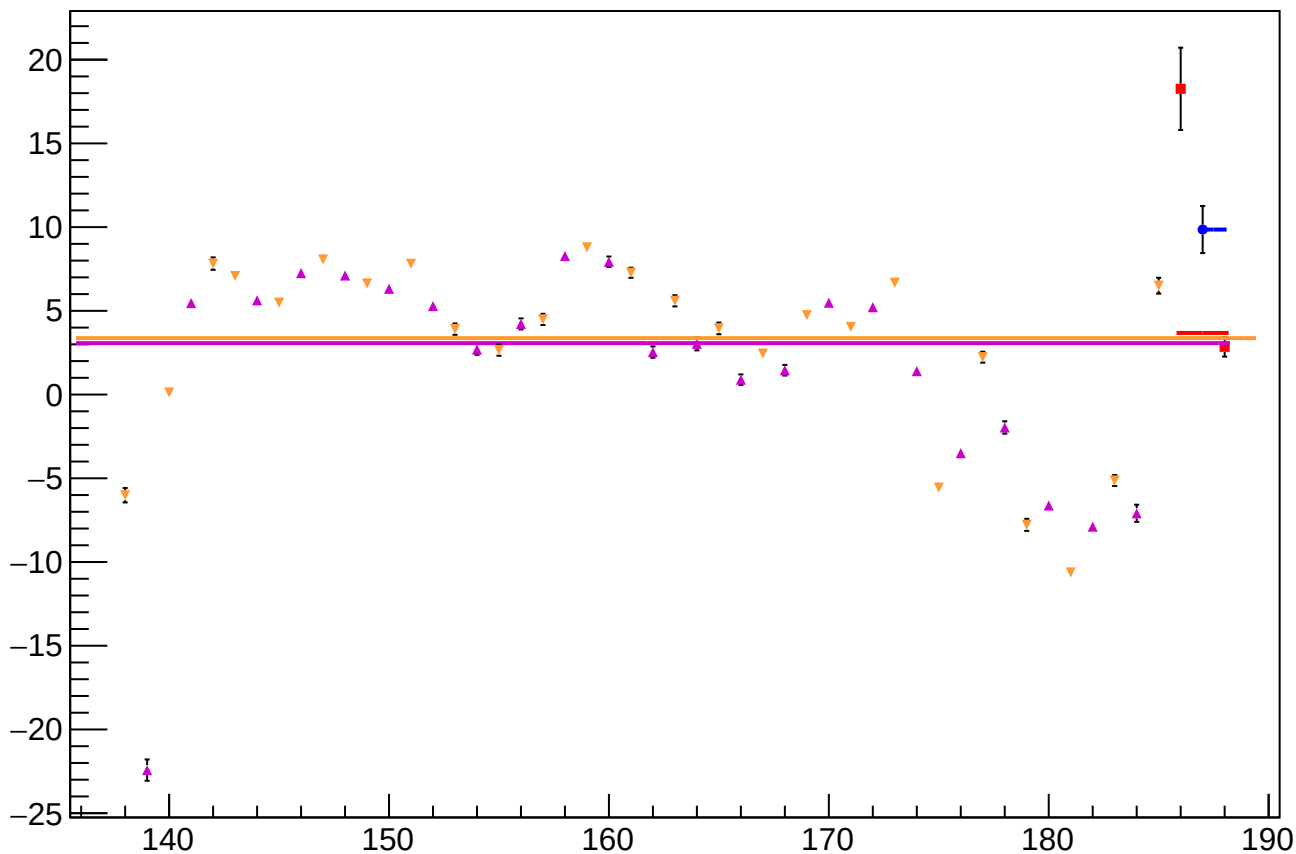
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -1.580 ± 0.347 $\chi^2/\text{NDF}: 146.1/1$
 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: -1.861 ± 0.322 $\chi^2/\text{NDF}: 150.8/2$
 In: 13.098 ± 0.076 $\chi^2/\text{NDF}: 14500.5/23$
 Out: 12.517 ± 0.074 $\chi^2/\text{NDF}: 18910.3/26$
 All: 12.797 ± 0.053 $\chi^2/\text{NDF}: 33440.7/50$

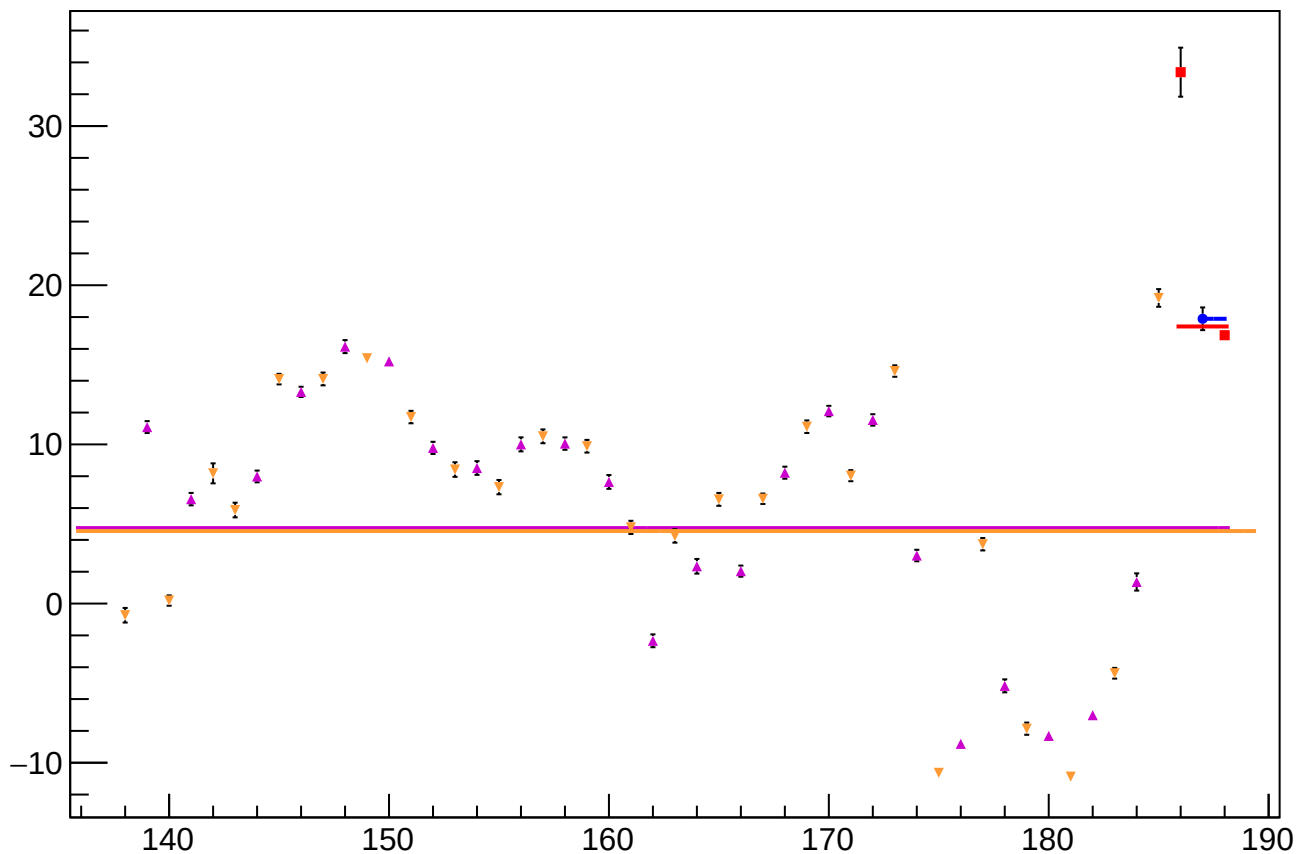
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 3.681 $\pm$ 0.569 χ^2 /NDF: 37.2/1
 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: 4.551 $\pm$ 0.528 χ^2 /NDF: 53.8/2
 In: 3.084 $\pm$ 0.060 χ^2 /NDF:7292.3/23
 Out: 3.375 $\pm$ 0.058 χ^2 /NDF:8091.2/26
 All: 3.235 $\pm$ 0.042 χ^2 /NDF: 15395.5/50

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: 17.409 $\pm$ 0.281 χ^2 /NDF: 111.3/1

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

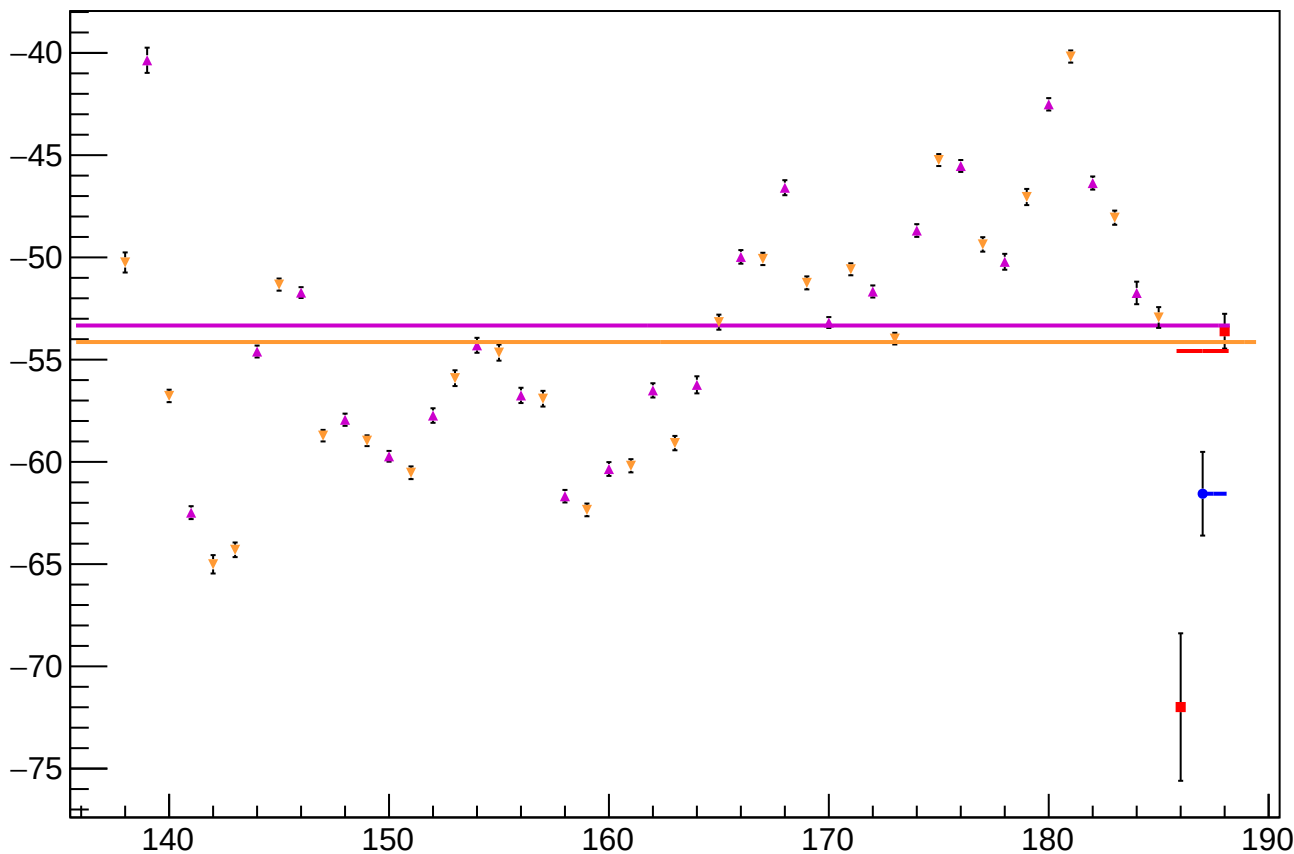
Right: 17.474 $\pm$ 0.261 χ^2 /NDF: 111.7/2

In: 4.891 $\pm$ 0.076 χ^2 /NDF:11754.2/23

Out: 5.425 $\pm$ 0.073 χ^2 /NDF:15655.1/26

All: 5.169 $\pm$ 0.053 χ^2 /NDF: 27435.1/50

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: -54.577 ± 0.828 χ^2/NDF : 24.6/1

Left In: -53.330 ± 0.068 χ^2/NDF : 6940.2/22

Left: -53.745 ± 0.048 χ^2/NDF : 15313.2/47

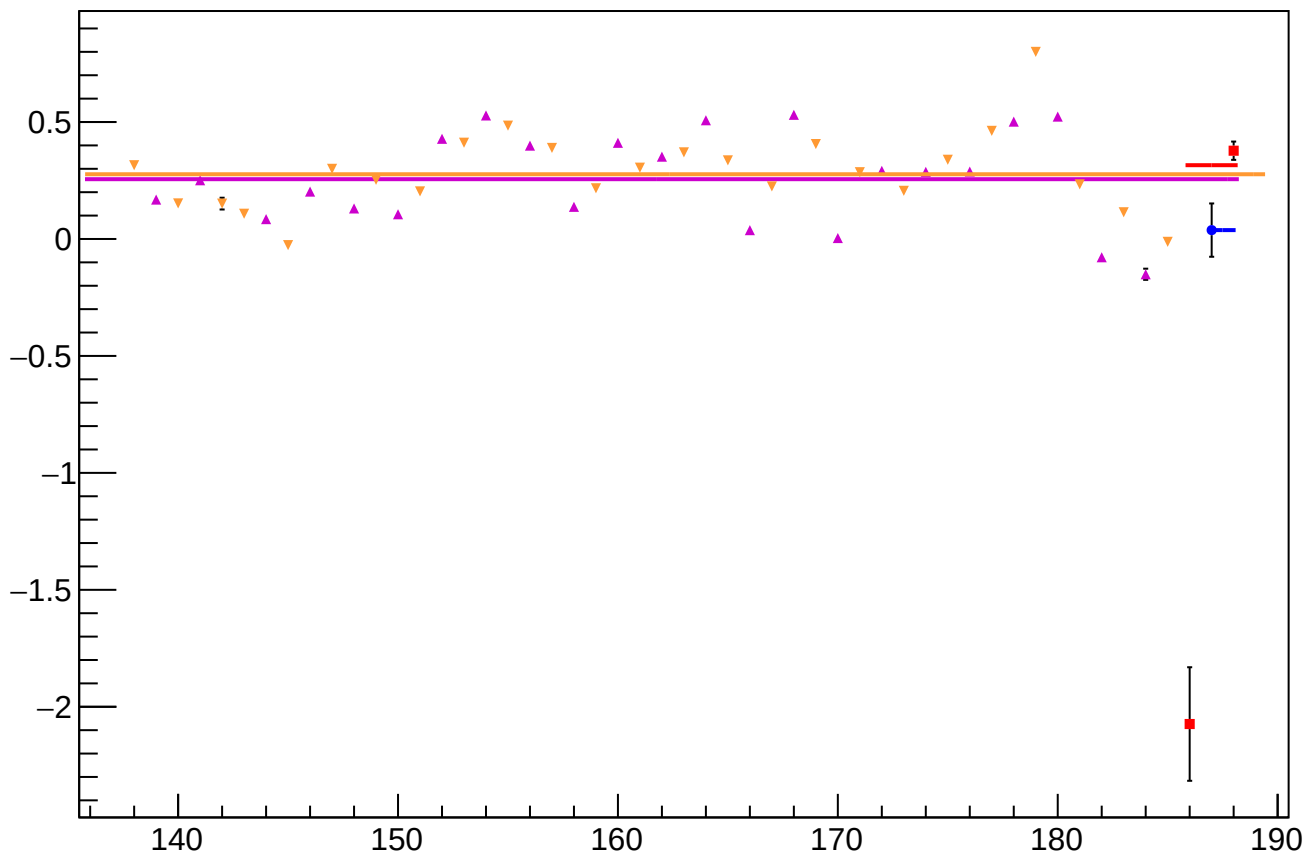
Right: -55.559 ± 0.767 χ^2/NDF : 34.6/2

In: -53.340 ± 0.068 χ^2/NDF : 6956.3/23

Out: -54.142 ± 0.066 χ^2/NDF : 8326.0/26

All: -53.752 ± 0.048 χ^2/NDF : 15353.4/50

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: 0.315 $\pm$ 0.039 χ^2 /NDF: 99.4/1

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

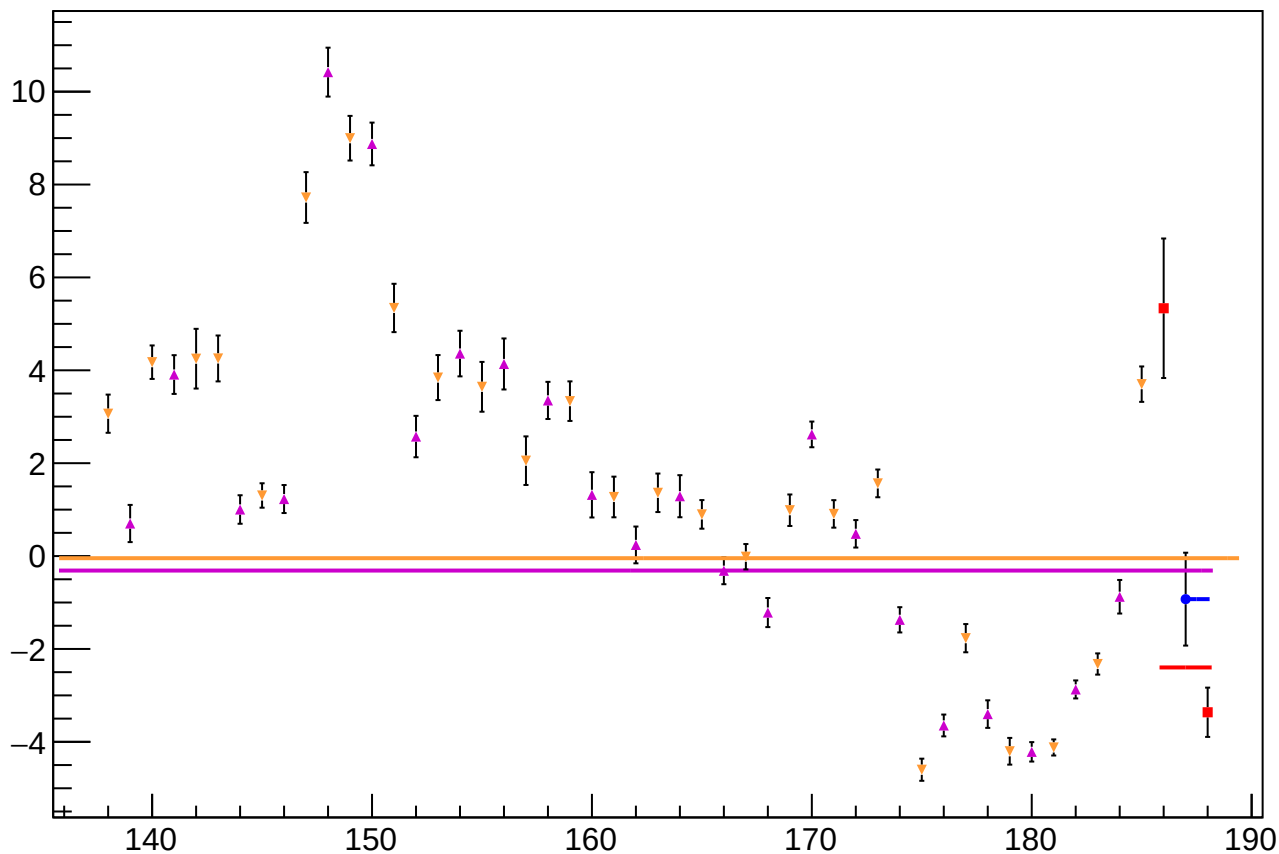
Right: 0.287 $\pm$ 0.037 χ^2 /NDF: 104.7/2

In: 0.255 $\pm$ 0.003 χ^2 /NDF:3647.6/23

Out: 0.277 $\pm$ 0.003 χ^2 /NDF:2706.4/26

All: 0.266 $\pm$ 0.002 χ^2 /NDF: 6378.6/50

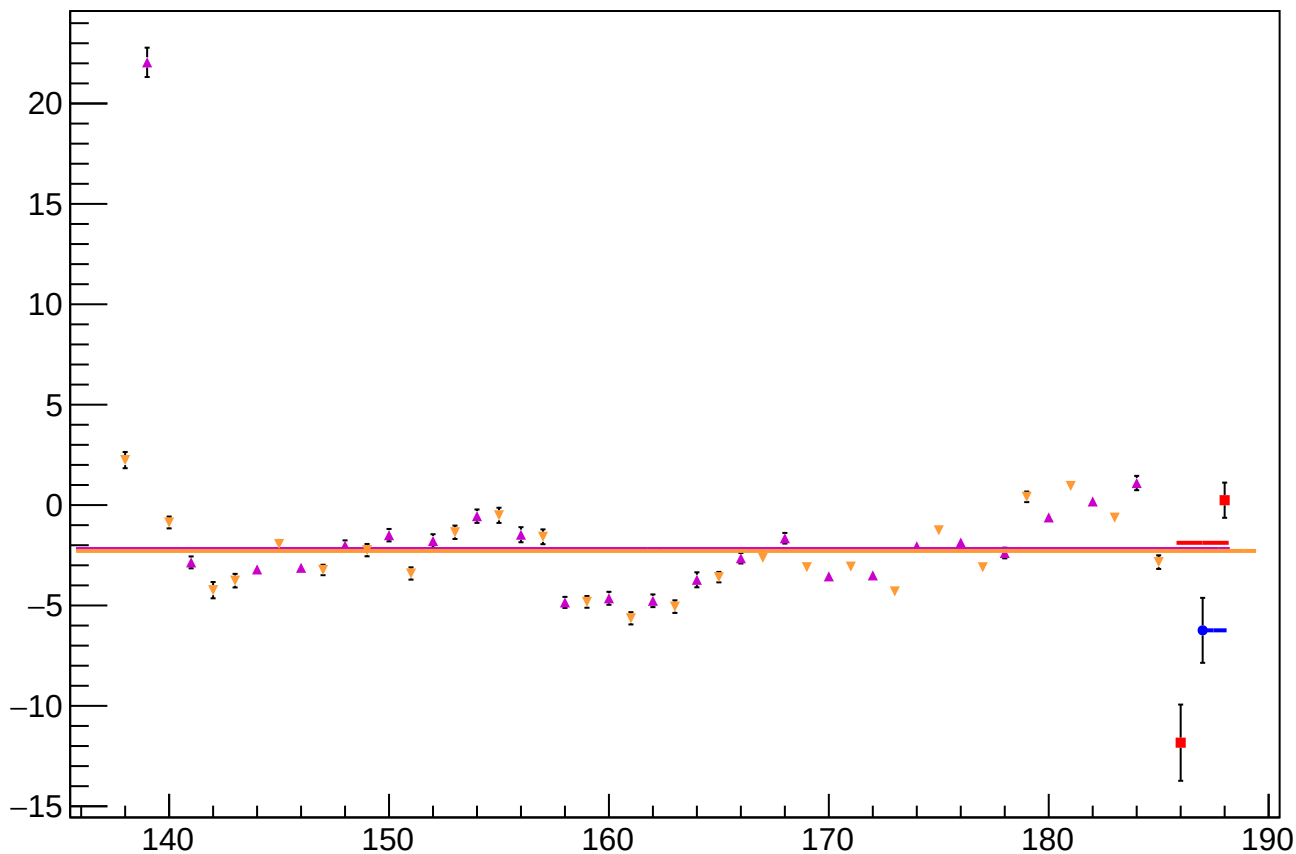
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -2.398 ± 0.500 χ^2/NDF : 29.8/1
 Left In: -0.312 ± 0.067 χ^2/NDF : 2252.6/22

Left: -0.177 ± 0.047 χ^2/NDF : 4889.5/47
 Right: -2.104 ± 0.447 χ^2/NDF : 31.5/2
 In: -0.315 ± 0.067 χ^2/NDF : 2253.0/23
 Out: -0.086 ± 0.066 χ^2/NDF : 2680.4/26
 All: -0.198 ± 0.047 χ^2/NDF : 4939.4/50

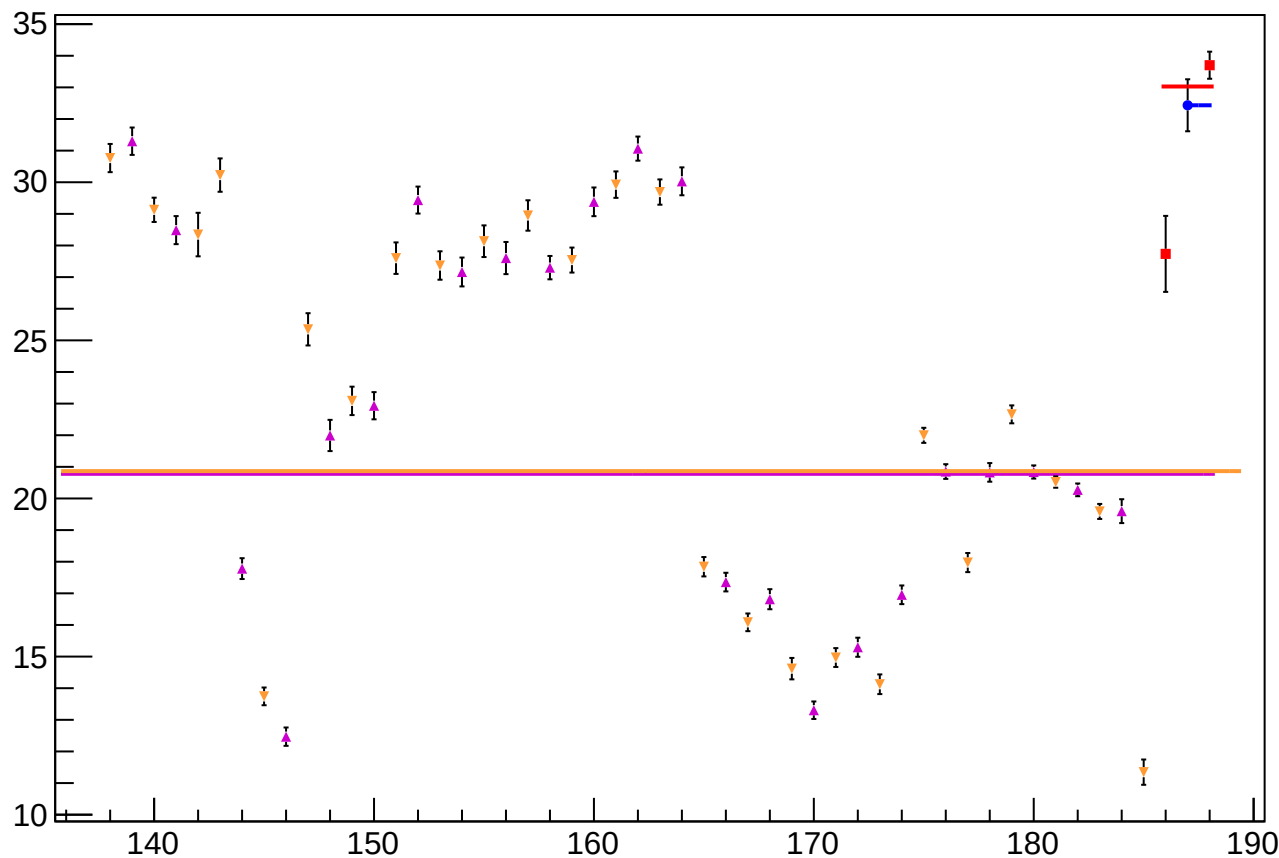
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.238 $\pm$ 1.618 χ^2 /NDF: 0.0/0
 Left Out: -2.283 $\pm$ 0.054 χ^2 /NDF:1132.1/24
 Right Out: -1.879 $\pm$ 0.796 χ^2 /NDF: 33.4/1
 Left In: -2.190 $\pm$ 0.055 χ^2 /NDF:1785.1/22

Left: -2.237 $\pm$ 0.039 χ^2 /NDF: 2918.6/47
 Right: -2.728 $\pm$ 0.714 χ^2 /NDF: 39.2/2
 In: -2.194 $\pm$ 0.055 χ^2 /NDF:1791.3/23
 Out: -2.281 $\pm$ 0.054 χ^2 /NDF:1165.7/26
 All: -2.238 $\pm$ 0.039 χ^2 /NDF: 2958.3/50

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 32.434+/-0.822 χ^2 /NDF: 0.0/0

Left Out: 20.865+/-0.067 χ^2 /NDF:6608.4/24

Right Out: 33.028+/-0.404 χ^2 /NDF: 21.9/1

Left In: 20.780+/-0.067 χ^2 /NDF:5988.0/22

Left: 20.823+/-0.047 χ^2 /NDF: 12597.2/47

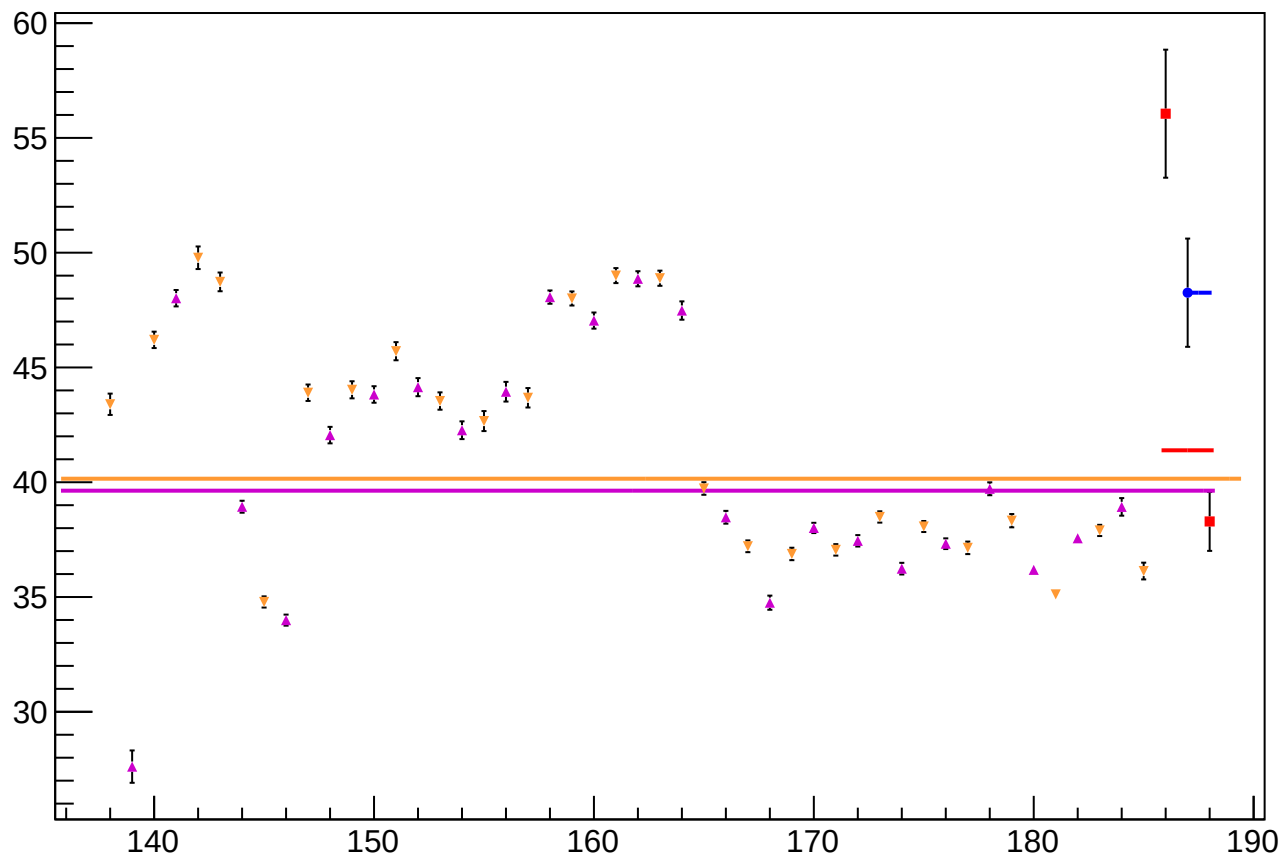
Right: 32.913+/-0.362 χ^2 /NDF: 22.3/2

In: 20.857+/-0.067 χ^2 /NDF:6187.7/23

Out: 21.189+/-0.066 χ^2 /NDF:7514.6/26

All: 21.026+/-0.047 χ^2 /NDF: 13714.8/50

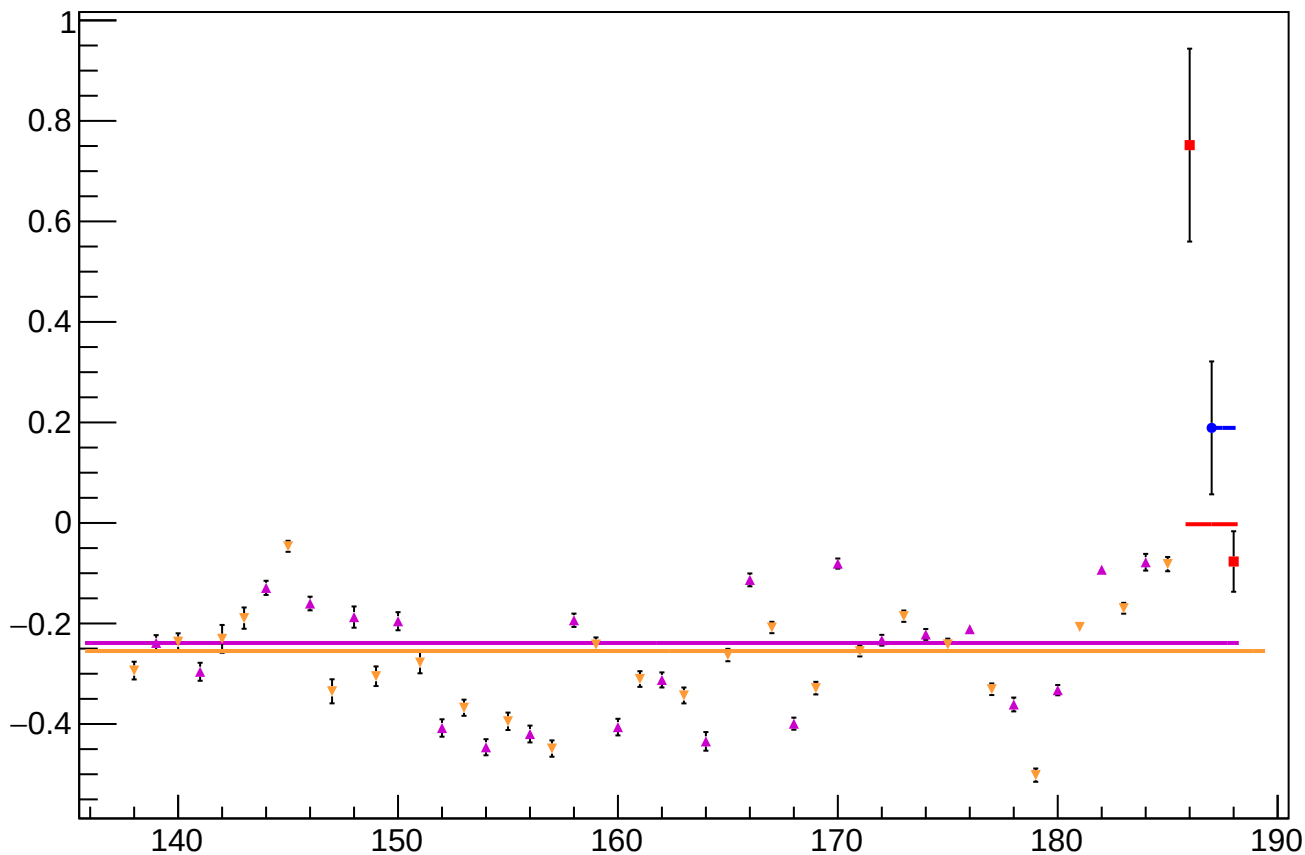
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 41.391 $\pm$ 1.165 χ^2 /NDF: 33.5/1
 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: 42.738 $\pm$ 1.044 χ^2 /NDF: 40.3/2
 In: 39.638 $\pm$ 0.061 χ^2 /NDF: 5356.7/23
 Out: 40.157 $\pm$ 0.060 χ^2 /NDF: 5896.2/26
 All: 39.901 $\pm$ 0.043 χ^2 /NDF: 11289.3/50

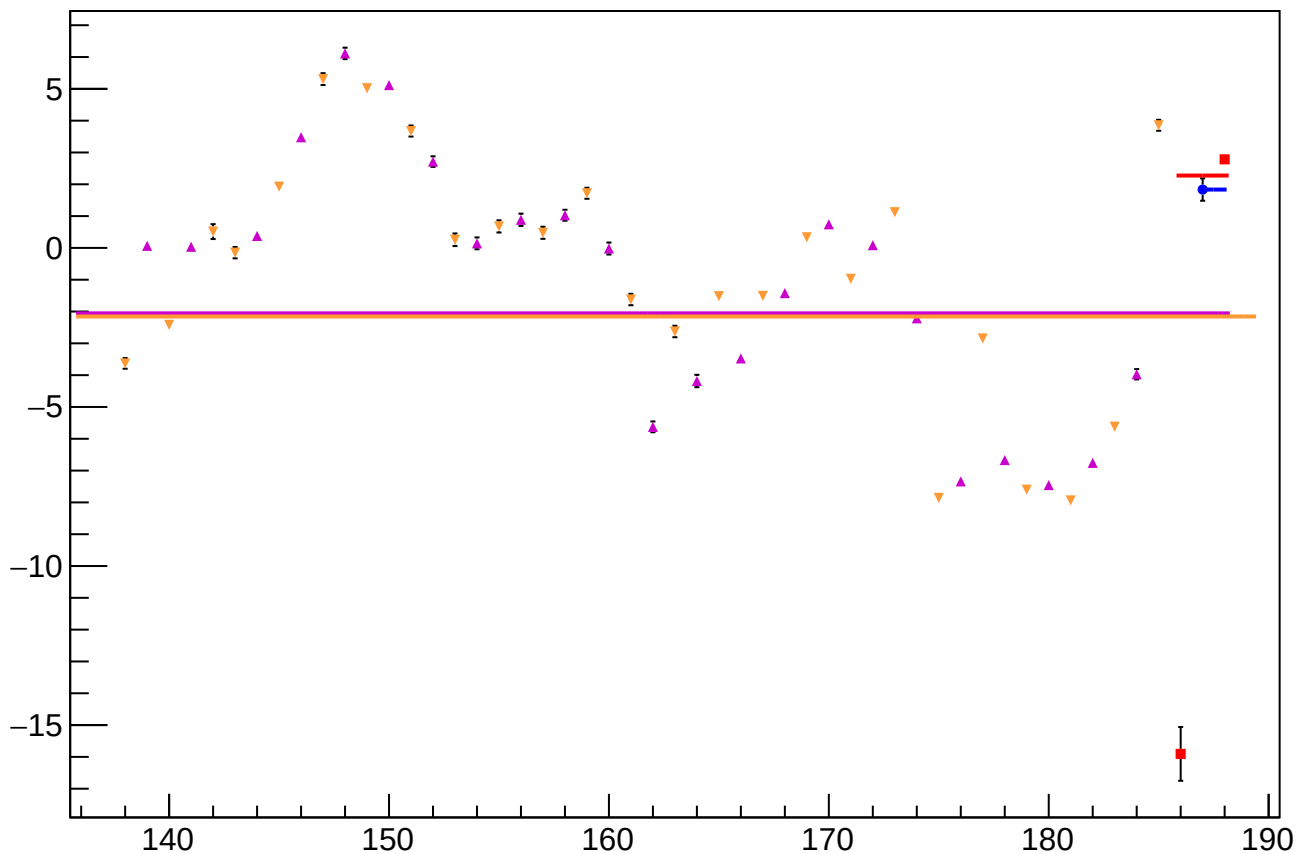
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.003 ± 0.057 $\chi^2/\text{NDF}: 17.0/1$
 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: 0.028 ± 0.053 $\chi^2/\text{NDF}: 18.7/2$
 In: -0.239 ± 0.003 $\chi^2/\text{NDF}: 1760.5/23$
 Out: -0.254 ± 0.003 $\chi^2/\text{NDF}: 1453.9/26$
 All: -0.246 ± 0.002 $\chi^2/\text{NDF}: 3230.4/50$

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



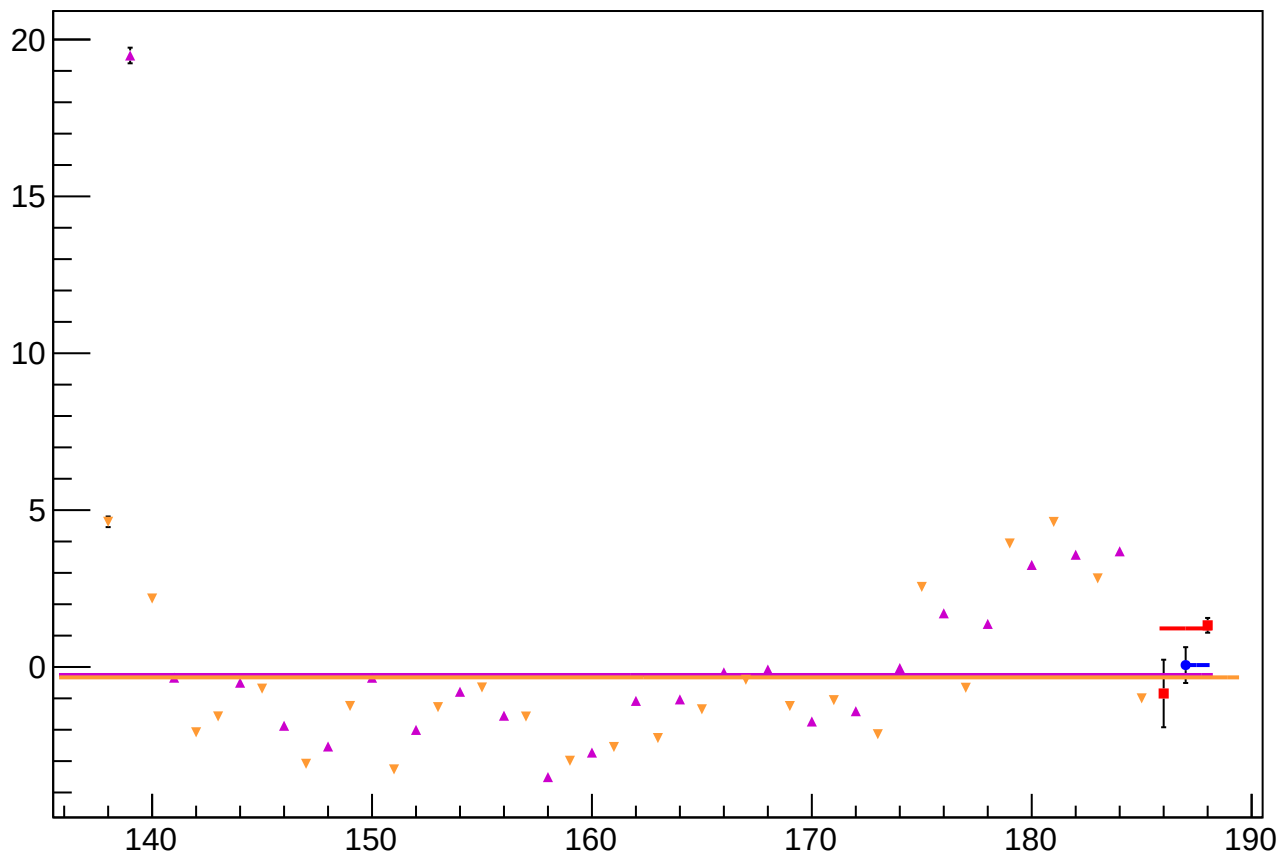
Right In: 1.834+/-0.352 χ^2/NDF : 0.0/0
 Left Out: -2.156+/-0.026 χ^2/NDF : 24501.3/24
 Right Out: 2.275+/-0.140 χ^2/NDF : 475.5/1
 Left In: -2.058+/-0.026 χ^2/NDF : 23343.8/22

Left: -2.107+/-0.018 χ^2/NDF : 47852.3/47
 Right: 2.215+/-0.130 χ^2/NDF : 476.8/2

In: -2.037+/-0.026 χ^2/NDF : 23465.6/23
 Out: -2.011+/-0.025 χ^2/NDF : 25951.2/26

All: -2.024+/-0.018 χ^2/NDF : 49417.3/50

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: 1.229+/-0.230 χ^2/NDF : 3.9/1

Left In: -0.255+/-0.021 χ^2/NDF :14162.0/22

Left: -0.293+/-0.015 χ^2/NDF : 26721.1/47

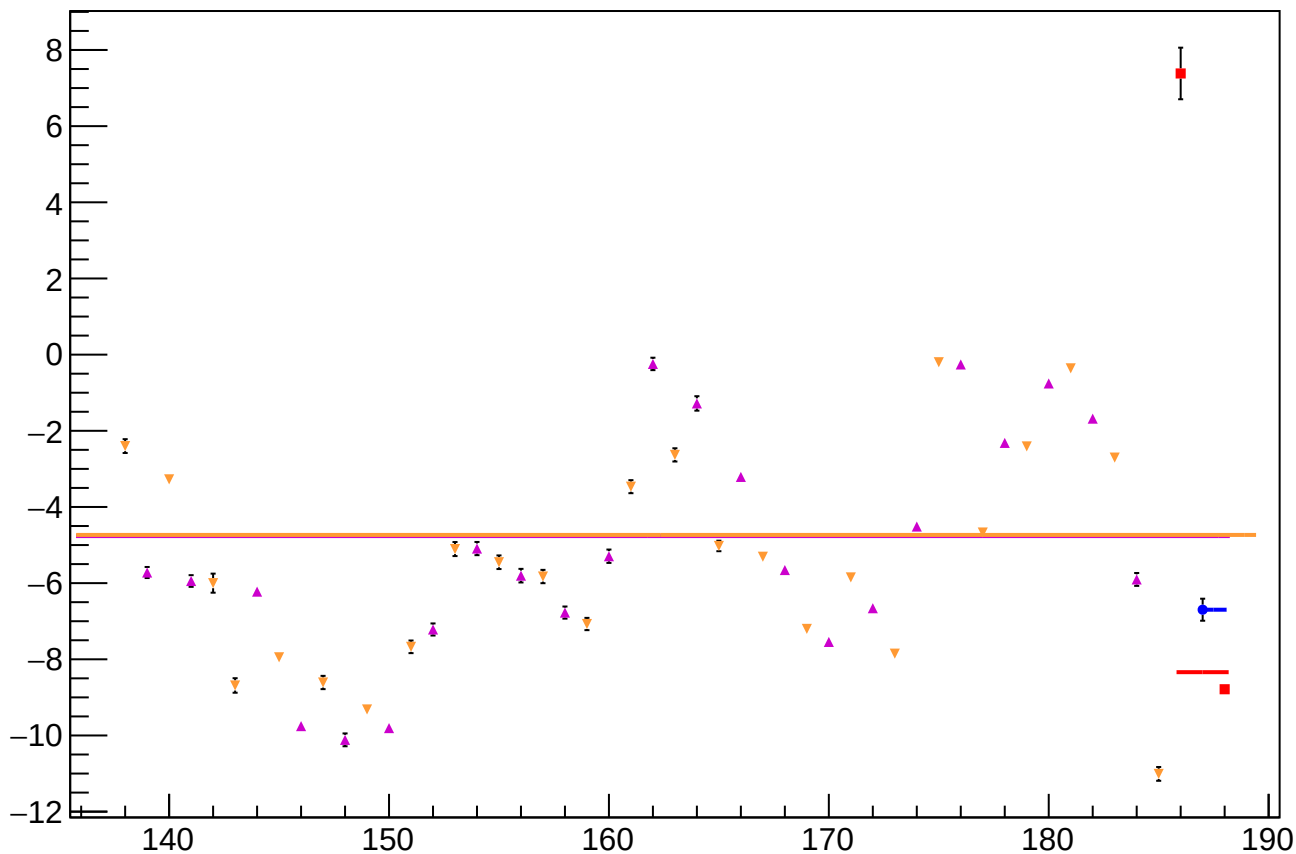
Right: 1.067+/-0.213 χ^2/NDF : 7.5/2

In: -0.254+/-0.021 χ^2/NDF :14162.3/23

Out: -0.318+/-0.021 χ^2/NDF :12602.1/26

All: -0.287+/-0.015 χ^2/NDF : 26769.1/50

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



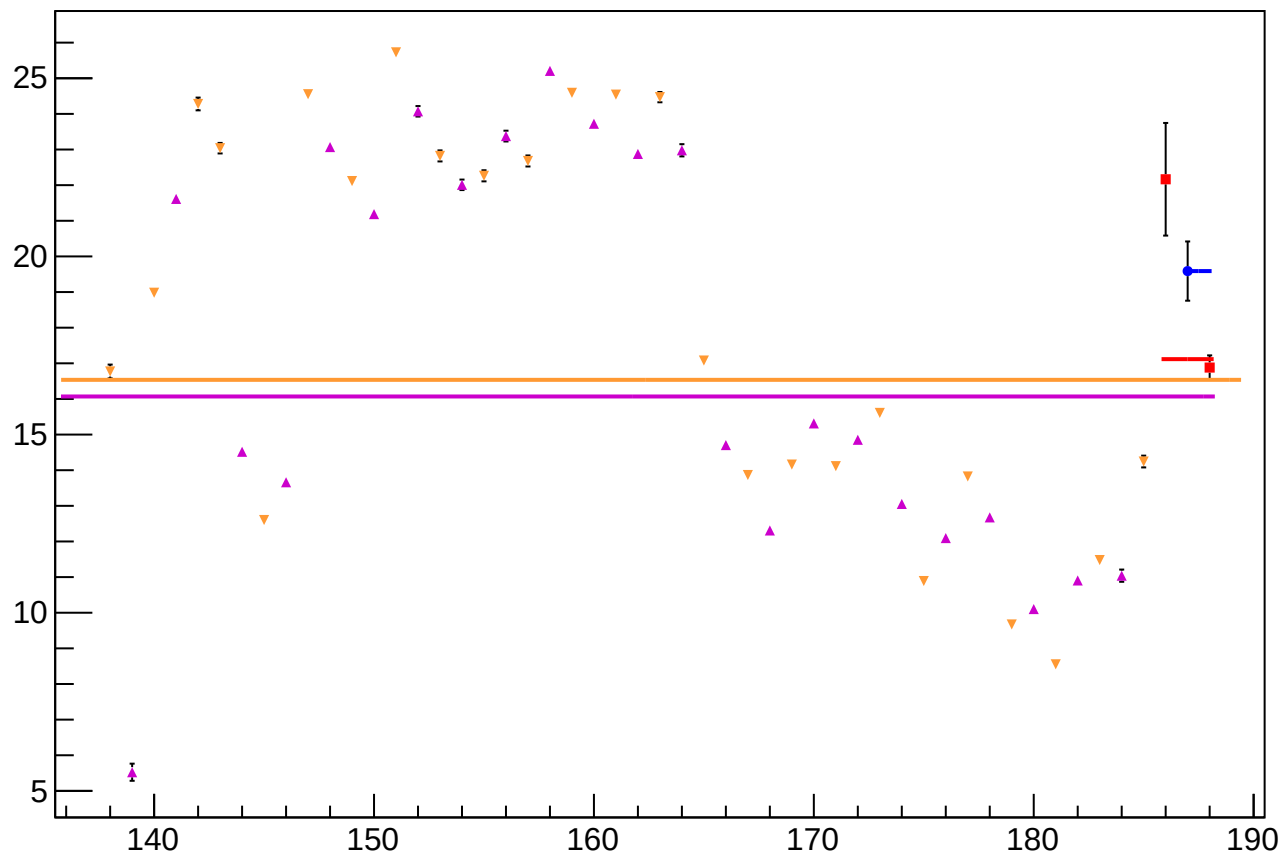
Right In: -6.698 ± 0.289 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -4.734 ± 0.026 $\chi^2/\text{NDF}: 13188.7/24$
 Right Out: -8.338 ± 0.113 $\chi^2/\text{NDF}: 554.2/1$
 Left In: -4.764 ± 0.026 $\chi^2/\text{NDF}: 14163.2/22$

Left: -4.749 ± 0.018 $\chi^2/\text{NDF}: 27352.6/47$
 Right: -8.121 ± 0.105 $\chi^2/\text{NDF}: 582.1/2$

In: -4.780 ± 0.026 $\chi^2/\text{NDF}: 14207.5/23$
 Out: -4.914 ± 0.025 $\chi^2/\text{NDF}: 14713.0/26$

All: -4.849 ± 0.018 $\chi^2/\text{NDF}: 28934.4/50$

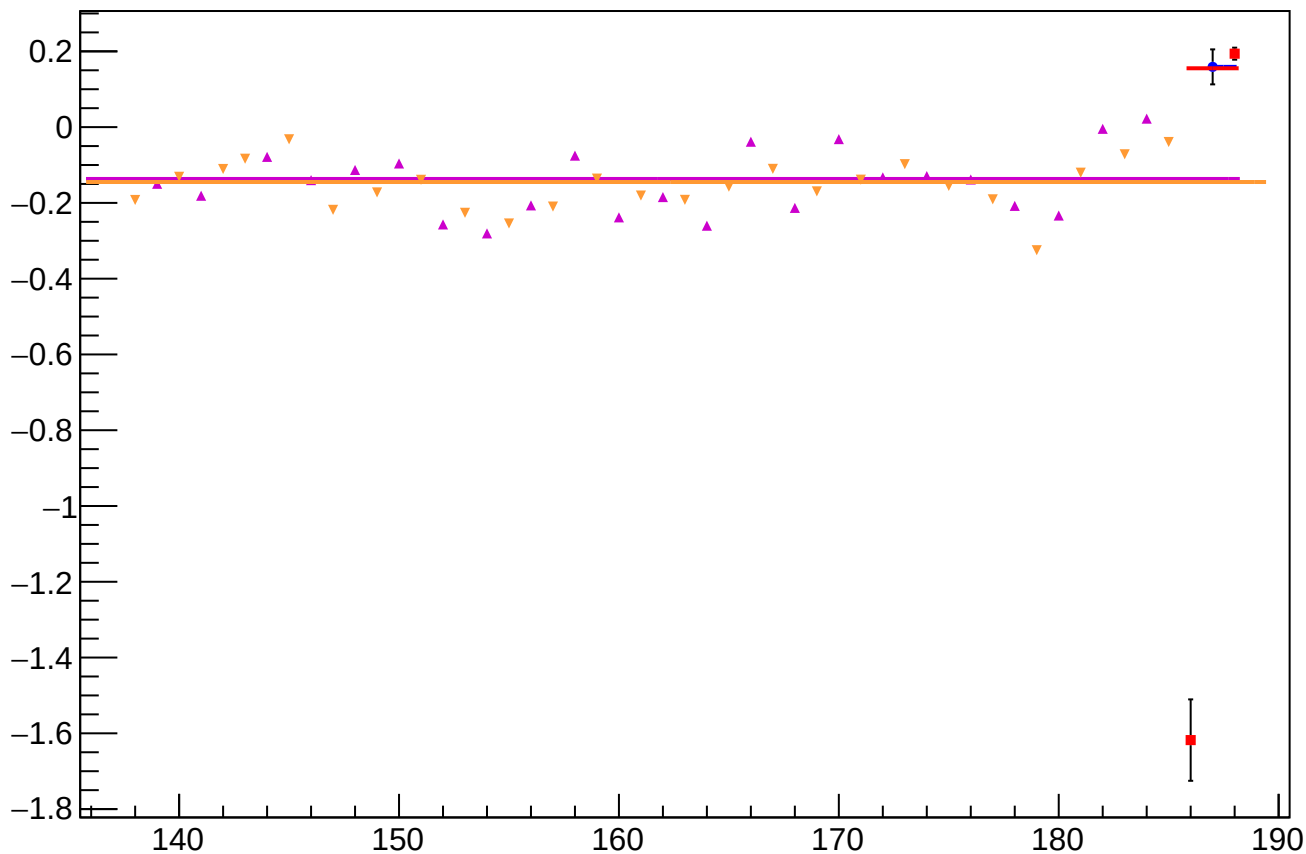
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 17.117 $\pm$ 0.334 χ^2 /NDF: 10.7/1
 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: 17.461 $\pm$ 0.310 χ^2 /NDF: 18.3/2
 In: 16.072 $\pm$ 0.023 χ^2 /NDF:42754.2/23
 Out: 16.539 $\pm$ 0.023 χ^2 /NDF:53560.6/26
 All: 16.309 $\pm$ 0.016 χ^2 /NDF: 96515.7/50

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.159 $\pm$ 0.046 χ^2 /NDF: 0.0/0

Left Out: -0.145 $\pm$ 0.001 χ^2 /NDF: 3755.1/24

Right Out: 0.155 $\pm$ 0.016 χ^2 /NDF: 278.3/1

Left In: -0.137 $\pm$ 0.001 χ^2 /NDF: 5383.4/22

Left: -0.141 $\pm$ 0.001 χ^2 /NDF: 9167.1/47

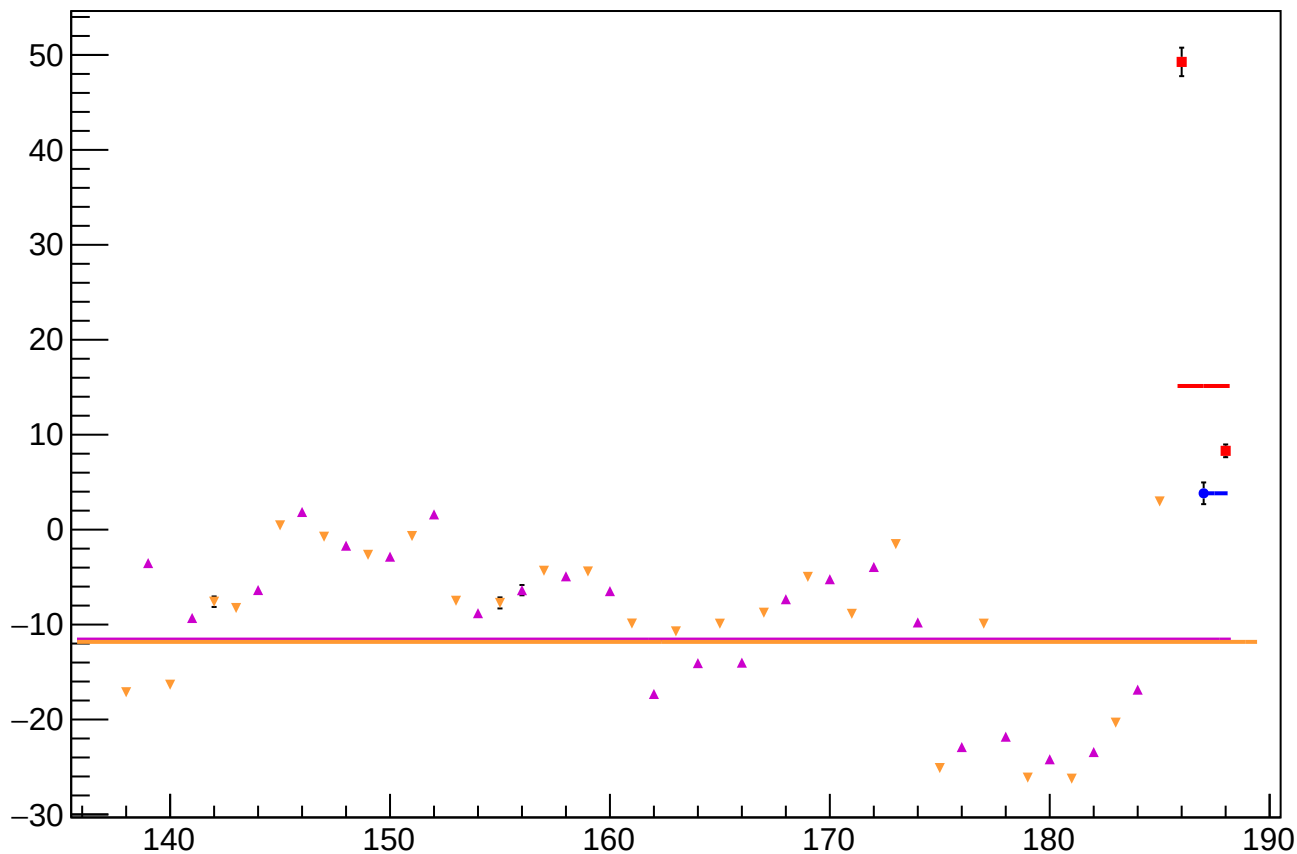
Right: 0.156 $\pm$ 0.015 χ^2 /NDF: 278.3/2

In: -0.137 $\pm$ 0.001 χ^2 /NDF: 5424.4/23

Out: -0.143 $\pm$ 0.001 χ^2 /NDF: 4398.4/26

All: -0.140 $\pm$ 0.001 χ^2 /NDF: 9843.6/50

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: 15.131+/-0.612 χ^2/NDF : 621.7/1

Left In: -11.580+/-0.071 χ^2/NDF : 14243.6/22

Left: -11.703+/-0.050 χ^2/NDF : 31526.7/47

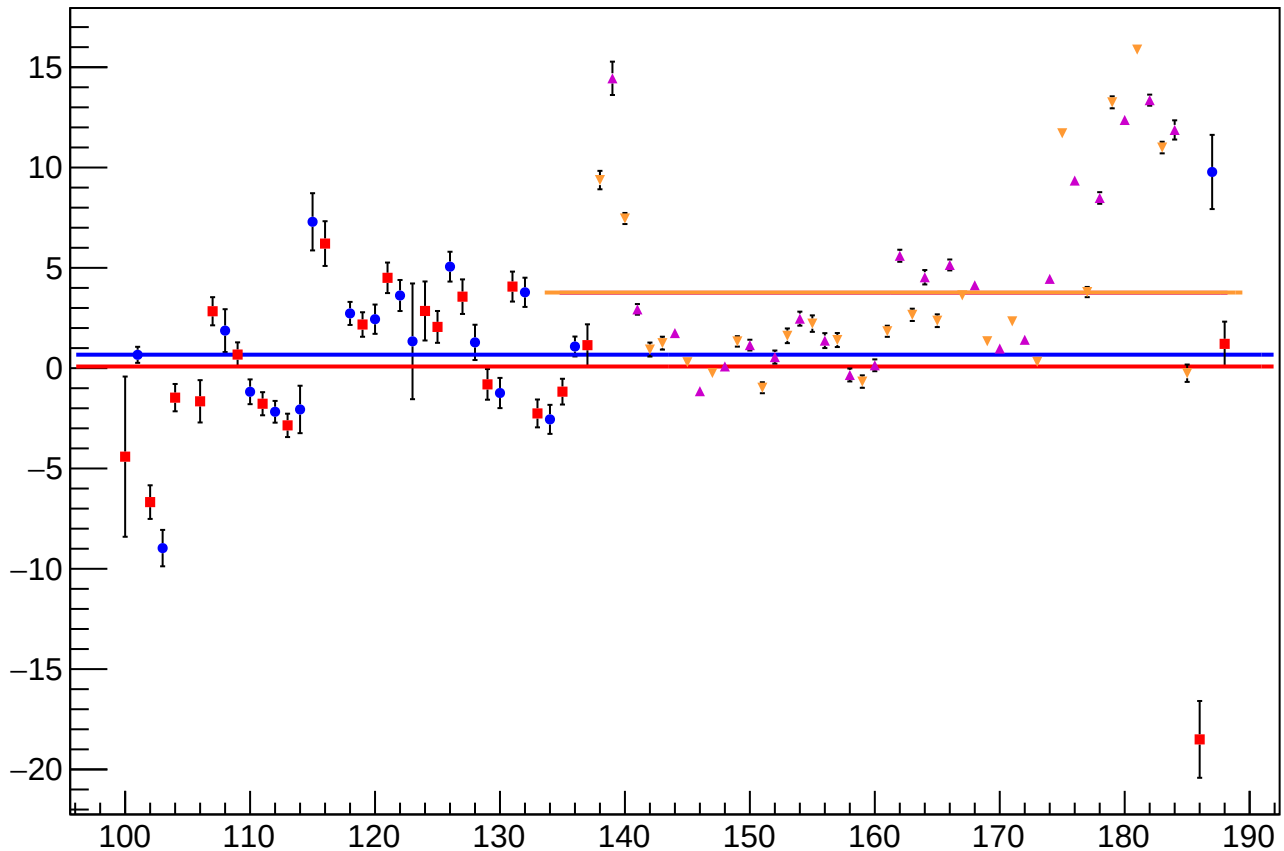
Right: 12.609+/-0.540 χ^2/NDF : 697.7/2

In: -11.520+/-0.071 χ^2/NDF : 14424.7/23

Out: -11.471+/-0.070 χ^2/NDF : 19810.9/26

All: -11.495+/-0.050 χ^2/NDF : 34235.8/50

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: 0.083 ± 0.172 χ^2/NDF : 369.4/20

Left In: 3.755 ± 0.056 χ^2/NDF : 5655.2/22

Left: 3.763 ± 0.040 χ^2/NDF : 13075.6/47

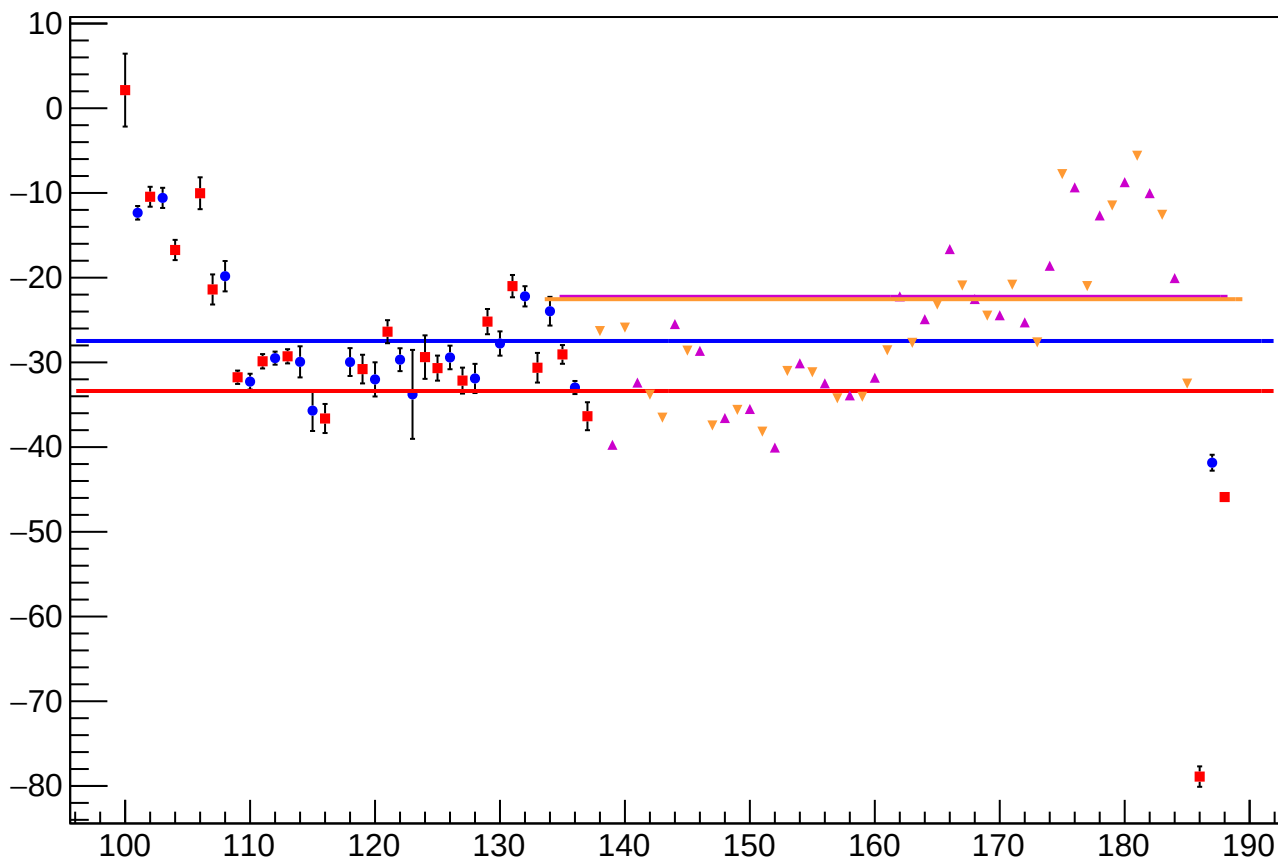
Right: 0.383 ± 0.120 χ^2/NDF : 691.0/38

In: 3.444 ± 0.054 χ^2/NDF : 6272.6/40

Out: 3.420 ± 0.053 χ^2/NDF : 8206.6/45

All: 3.432 ± 0.038 χ^2/NDF : 14479.3/86

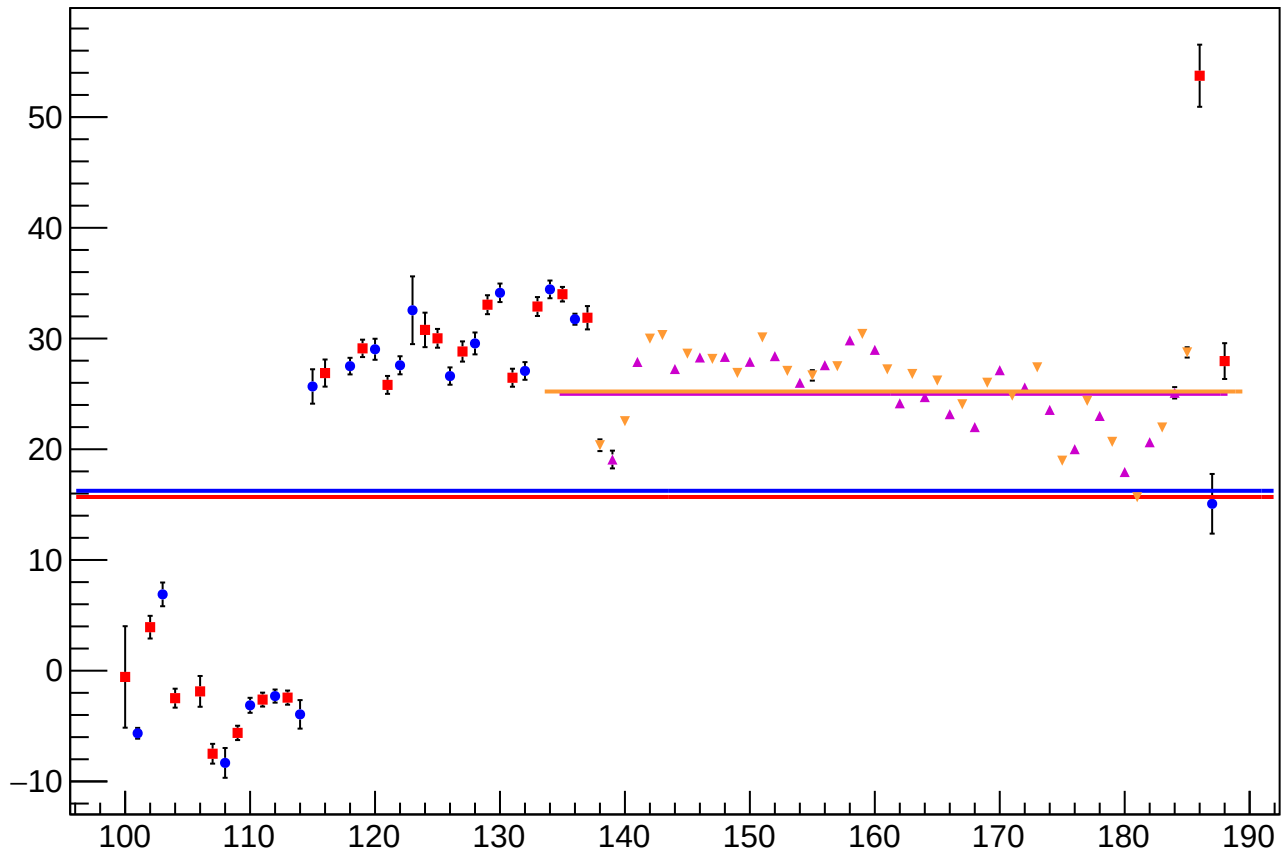
reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -27.473+/-0.285 χ^2/NDF : 950.7/17
 Left Out: -22.540+/-0.071 χ^2/NDF :19751.6/24
 Right Out: -33.377+/-0.255 χ^2/NDF : 3026.2/20
 Left In: -22.258+/-0.071 χ^2/NDF :17838.4/22

Left: -22.400+/-0.050 χ^2/NDF : 37597.8/47
 Right: -30.757+/-0.190 χ^2/NDF : 4214.9/38
 In: -22.565+/-0.069 χ^2/NDF :19103.2/40
 Out: -23.316+/-0.068 χ^2/NDF :24456.2/45
 All: -22.945+/-0.049 χ^2/NDF : 43619.2/86

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: 15.688 $\pm$ 0.195 χ^2 /NDF: 7525.1/20

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

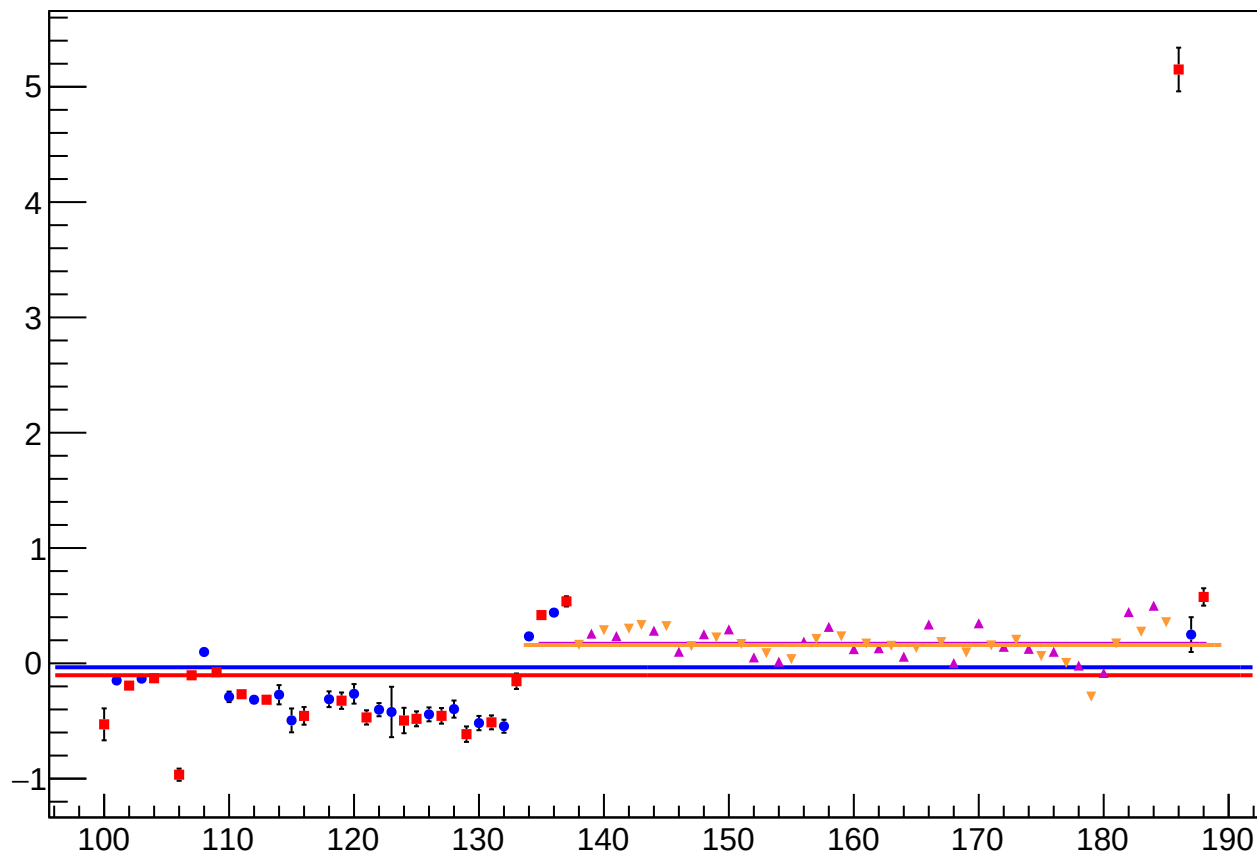
Right: 15.974 $\pm$ 0.136 χ^2 /NDF: 15140.8/38

In: 24.127 $\pm$ 0.060 χ^2 /NDF:12245.8/40

Out: 24.323 $\pm$ 0.060 χ^2 /NDF:13425.5/45

All: 24.226 $\pm$ 0.042 χ^2 /NDF: 25676.6/86

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: -0.103 ± 0.010 χ^2/NDF : 2029.3/20

Left In: 0.169 ± 0.003 χ^2/NDF : 2430.7/22

Left: 0.164 ± 0.002 χ^2/NDF : 4293.8/47

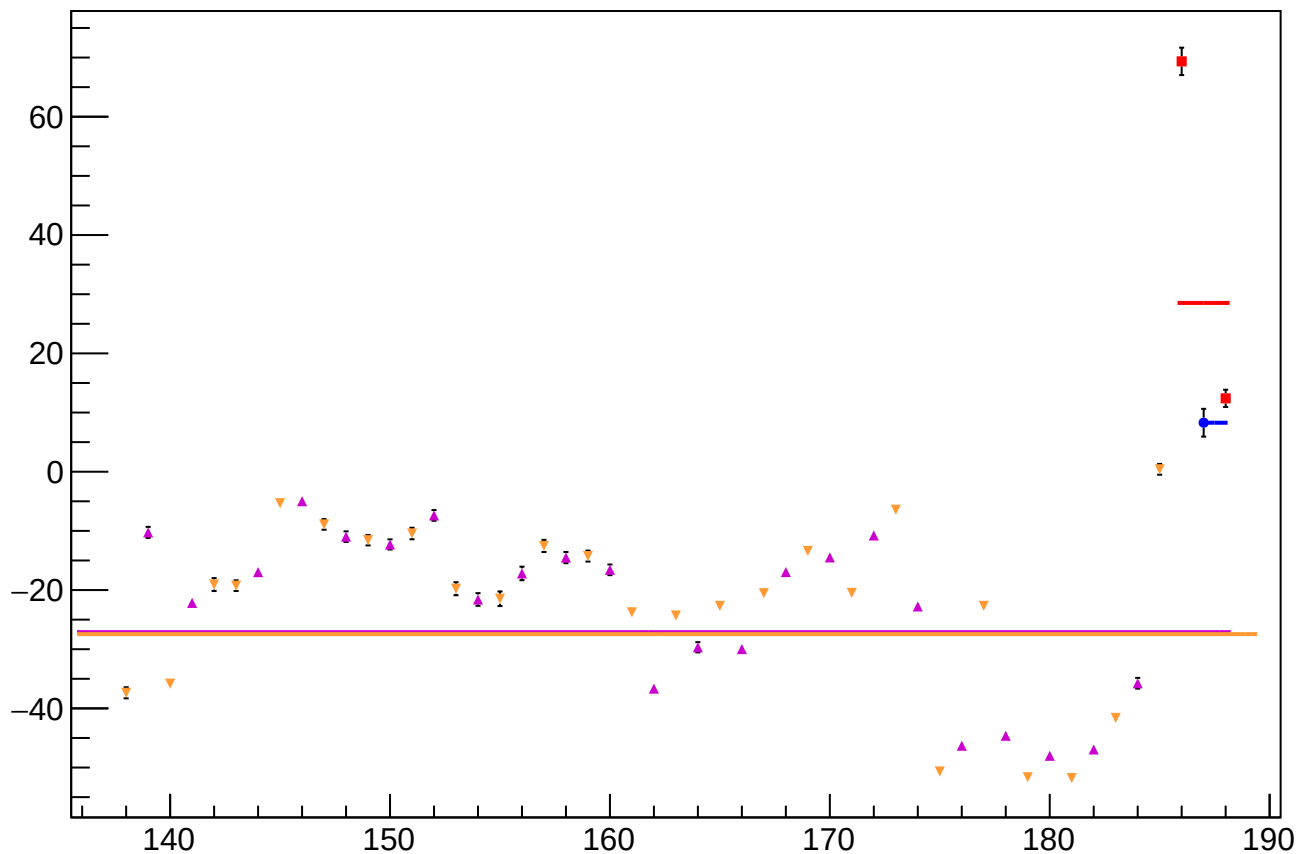
Right: -0.069 ± 0.007 χ^2/NDF : 3069.9/38

In: 0.154 ± 0.003 χ^2/NDF : 3811.3/40

Out: 0.140 ± 0.003 χ^2/NDF : 4493.8/45

All: 0.147 ± 0.002 χ^2/NDF : 8318.3/86

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: 28.529 ± 1.233 $\chi^2/\text{NDF}: 432.9/1$

Left In: -27.114 ± 0.139 $\chi^2/\text{NDF}: 11443.8/22$

Left: -27.283 ± 0.097 $\chi^2/\text{NDF}: 26267.3/47$

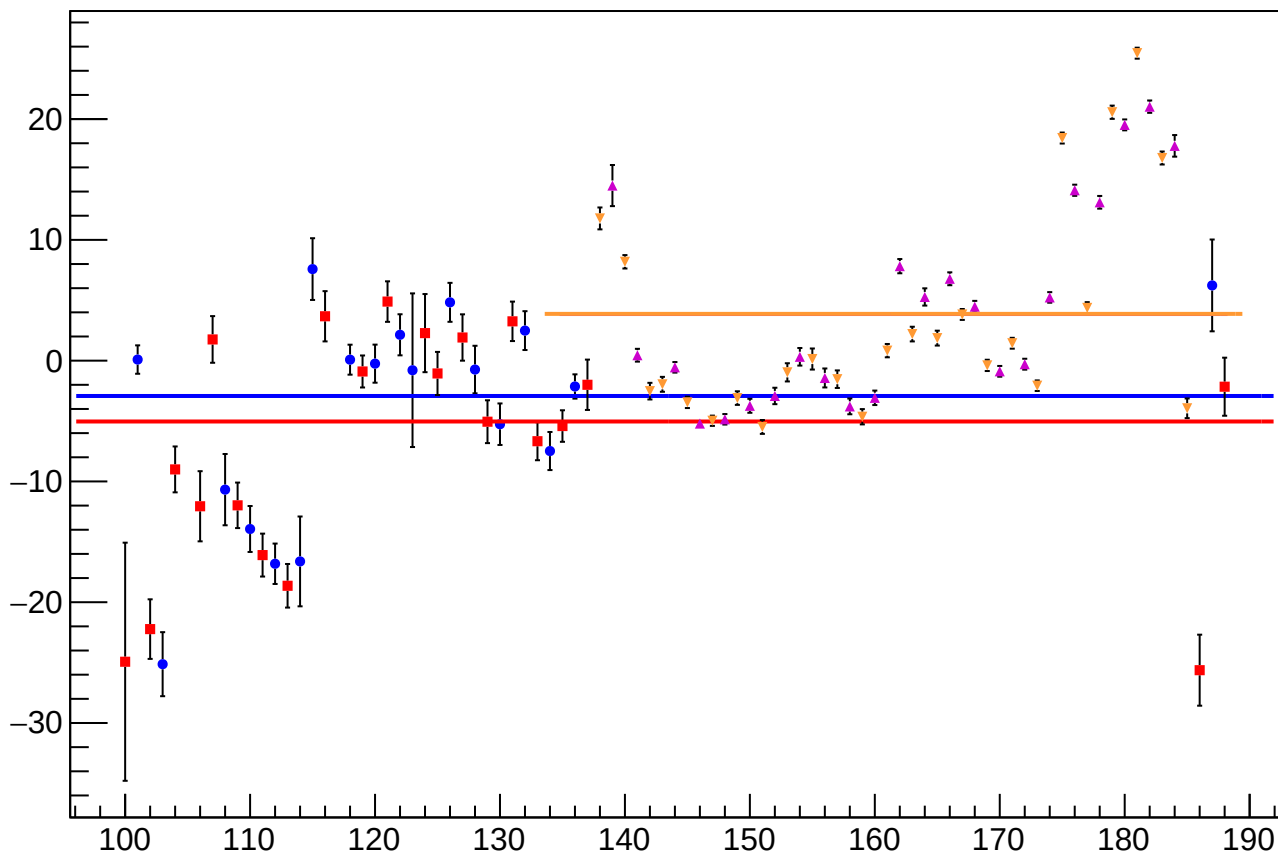
Right: 24.159 ± 1.092 $\chi^2/\text{NDF}: 491.1/2$

In: -26.992 ± 0.138 $\chi^2/\text{NDF}: 11669.7/23$

Out: -26.764 ± 0.136 $\chi^2/\text{NDF}: 17288.8/26$

All: -26.876 ± 0.097 $\chi^2/\text{NDF}: 28959.9/50$

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: -5.037 ± 0.416 χ^2/NDF : 349.4/20

Left In: 3.861 ± 0.111 χ^2/NDF : 5438.4/22

Left: 3.867 ± 0.078 χ^2/NDF : 12344.4/47

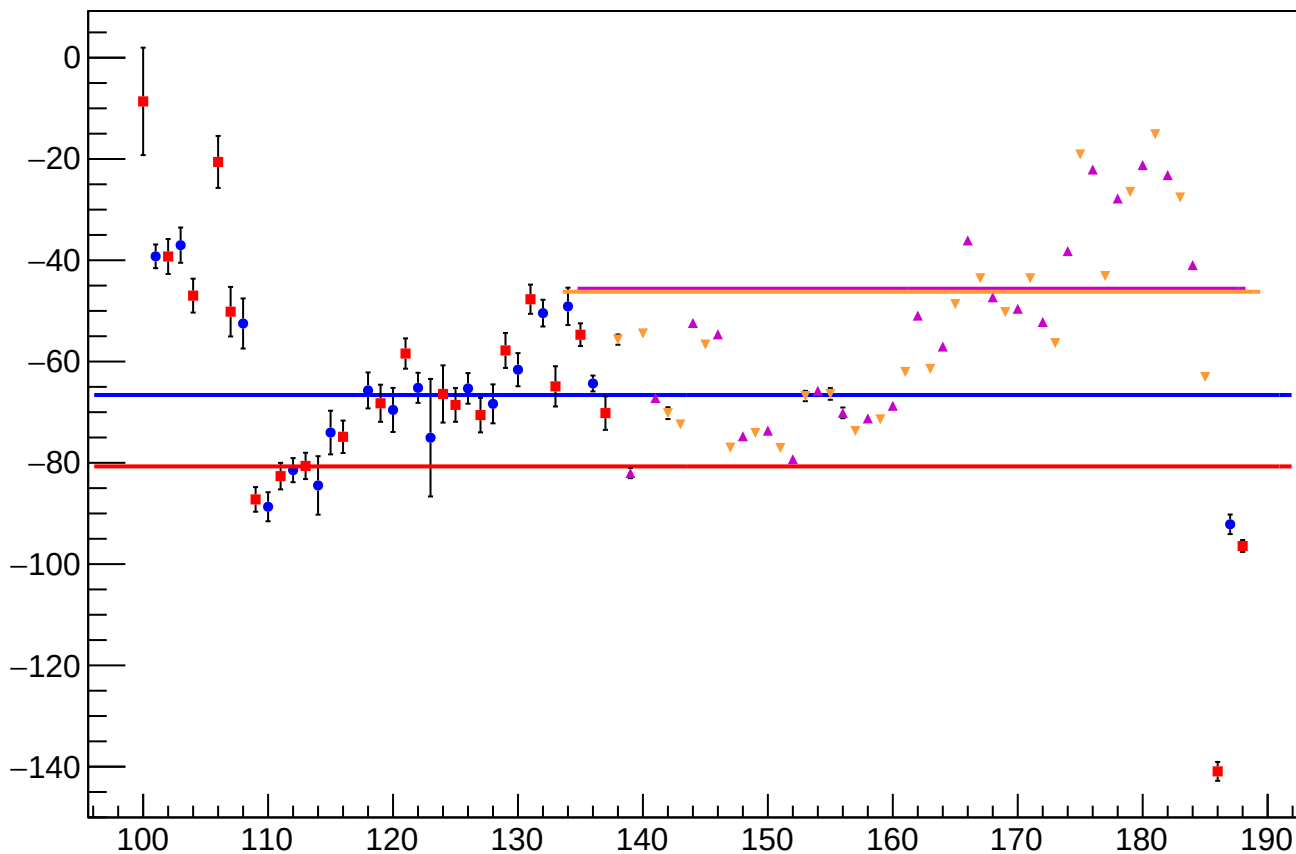
Right: -3.953 ± 0.290 χ^2/NDF : 649.3/38

In: 3.389 ± 0.107 χ^2/NDF : 5986.0/40

Out: 3.295 ± 0.106 χ^2/NDF : 7684.7/45

All: 3.342 ± 0.075 χ^2/NDF : 13671.1/86

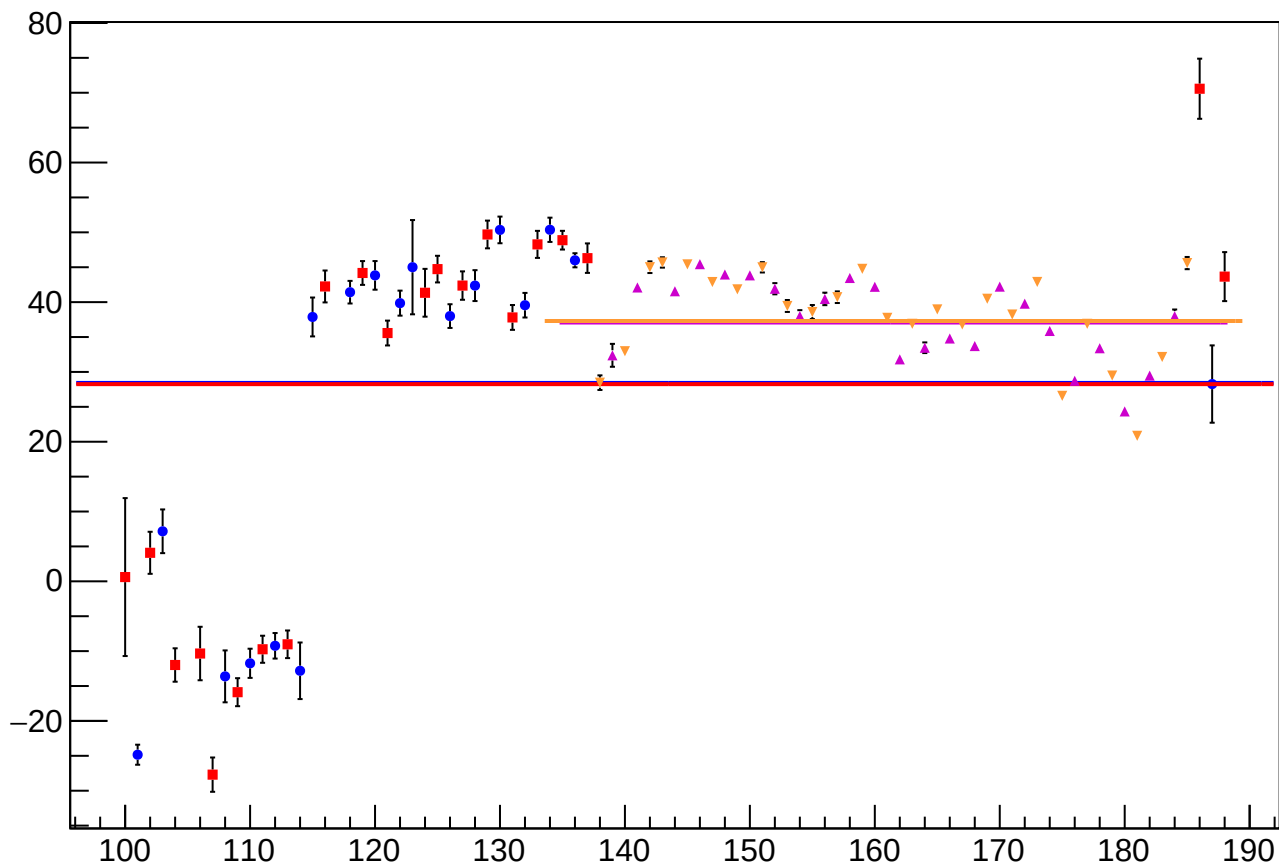
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -80.708 ± 0.599 χ^2/NDF : 2133.3/20
 Left In: -45.616 ± 0.139 χ^2/NDF : 17743.8/22

Left: -45.917 ± 0.098 χ^2/NDF : 37734.0/47
 Right: -74.638 ± 0.452 χ^2/NDF : 2940.2/38
 In: -46.438 ± 0.136 χ^2/NDF : 19203.7/40
 Out: -47.952 ± 0.135 χ^2/NDF : 25258.8/45
 All: -47.205 ± 0.096 χ^2/NDF : 44525.0/86

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.424 $\pm$ 0.456 χ^2 /NDF: 3330.3/17

Left Out: 37.298 $\pm$ 0.123 χ^2 /NDF:3113.0/24

Right Out: 28.250 $\pm$ 0.471 χ^2 /NDF: 3151.6/20

Left In: 37.079 $\pm$ 0.125 χ^2 /NDF:2405.4/22

Left: 37.190 $\pm$ 0.088 χ^2 /NDF: 5519.9/47

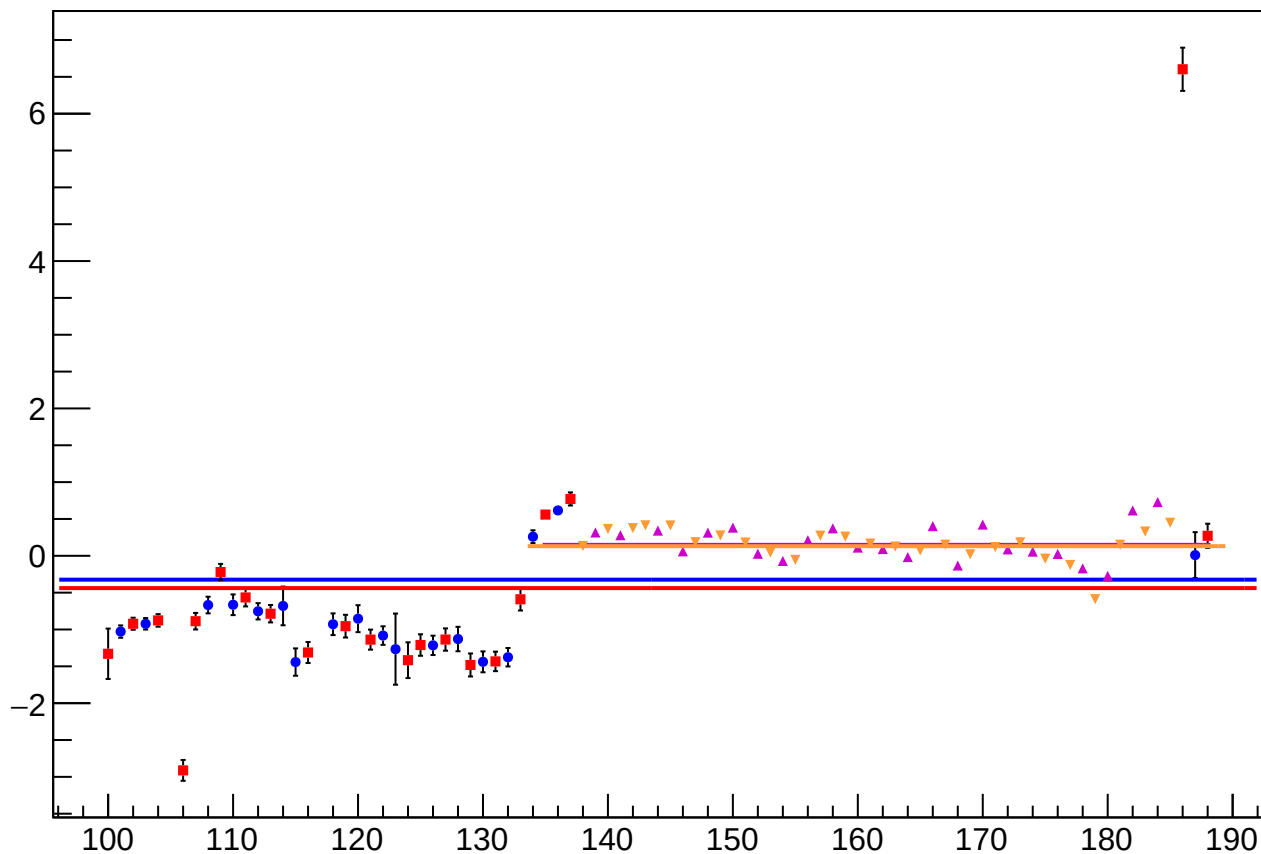
Right: 28.340 $\pm$ 0.328 χ^2 /NDF: 6482.0/38

In: 36.476 $\pm$ 0.120 χ^2 /NDF:6071.5/40

Out: 36.720 $\pm$ 0.119 χ^2 /NDF:6609.5/45

All: 36.599 $\pm$ 0.085 χ^2 /NDF: 12683.1/86

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: -0.438 ± 0.025 χ^2/NDF : 1772.5/20

Left In: 0.149 ± 0.006 χ^2/NDF : 1813.7/22

Left: 0.139 ± 0.004 χ^2/NDF : 3238.6/47

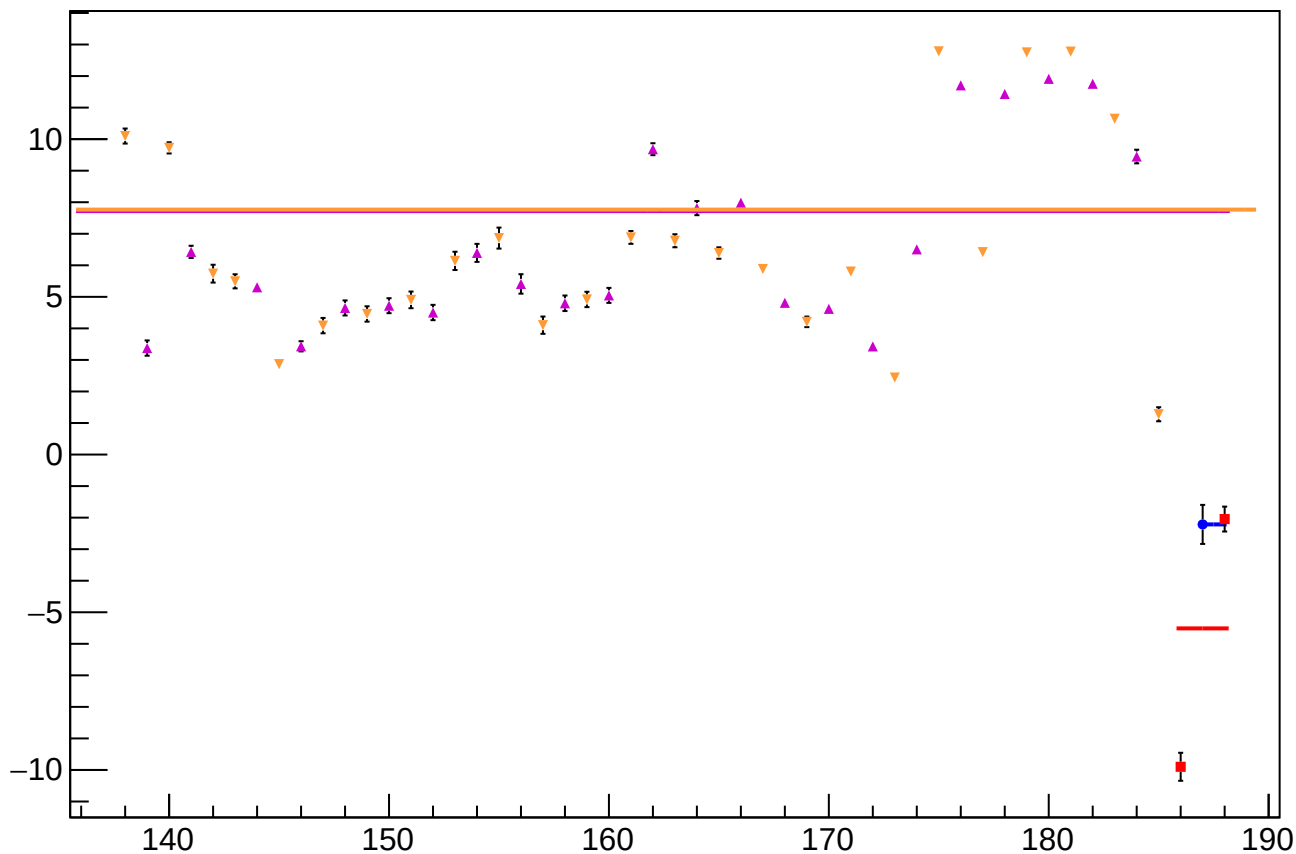
Right: -0.380 ± 0.018 χ^2/NDF : 2797.1/38

In: 0.125 ± 0.006 χ^2/NDF : 3172.0/40

Out: 0.104 ± 0.006 χ^2/NDF : 3674.0/45

All: 0.114 ± 0.004 χ^2/NDF : 6853.6/86

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: -5.511 ± 0.295 χ^2/NDF : 174.6/1

Left In: 7.719 ± 0.035 χ^2/NDF : 8490.5/22

Left: 7.743 ± 0.025 χ^2/NDF : 20195.2/47

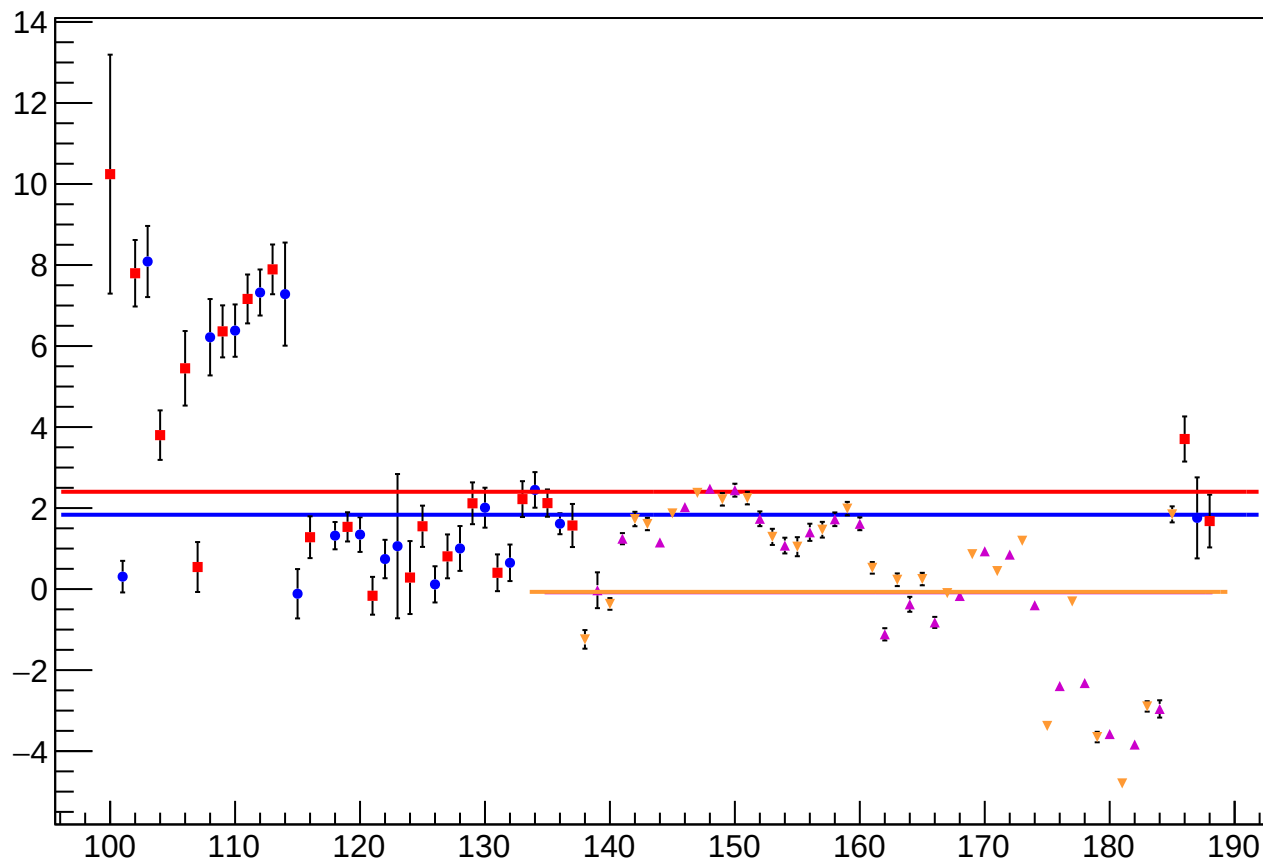
Right: -4.901 ± 0.266 χ^2/NDF : 197.7/2

In: 7.688 ± 0.035 χ^2/NDF : 8747.2/23

Out: 7.588 ± 0.034 χ^2/NDF : 13875.3/26

All: 7.637 ± 0.024 χ^2/NDF : 22626.7/50

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: 2.402 $\pm$ 0.118 χ^2 /NDF: 343.2/20

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

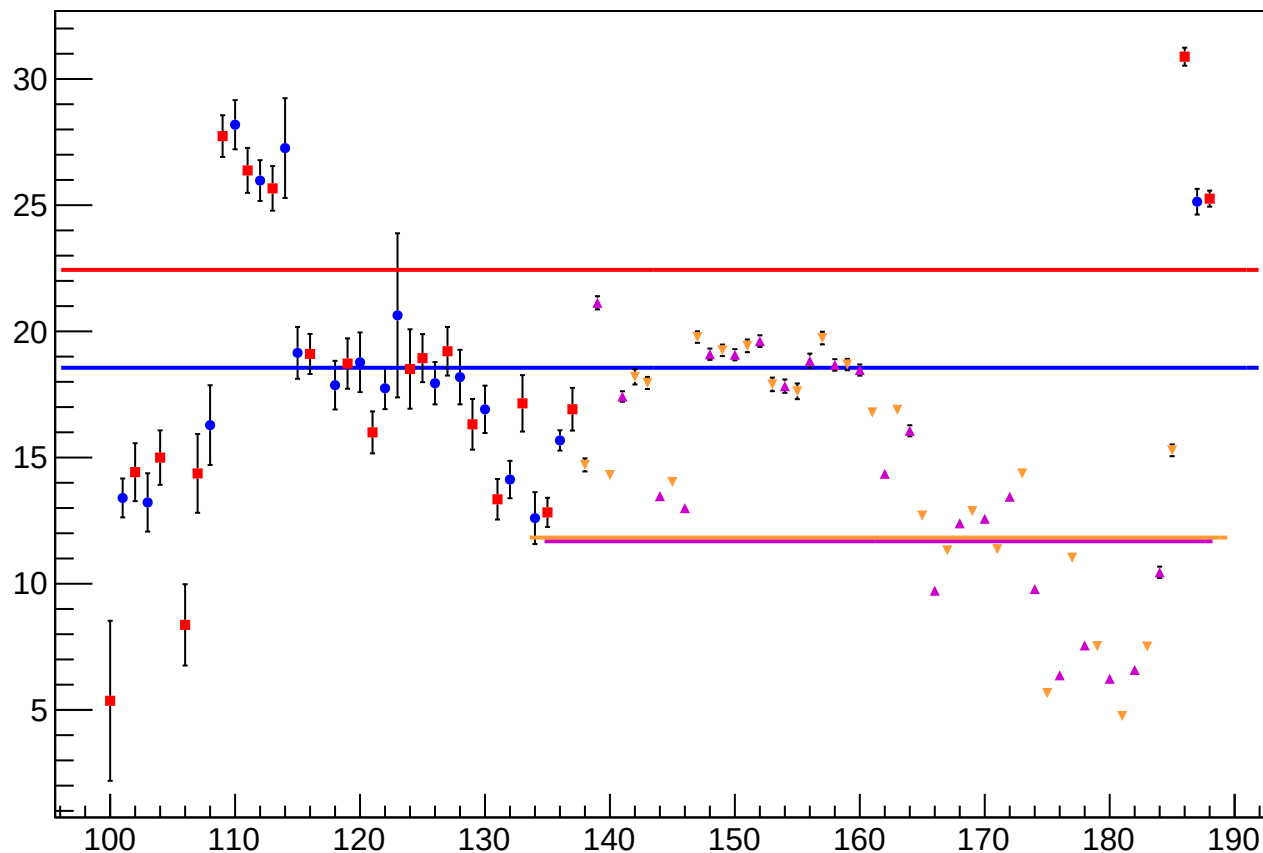
Right: 2.113 $\pm$ 0.082 χ^2 /NDF: 649.9/38

In: 0.029 $\pm$ 0.027 χ^2 /NDF:5544.1/40

Out: 0.062 $\pm$ 0.027 χ^2 /NDF:6793.6/45

All: 0.046 $\pm$ 0.019 χ^2 /NDF: 12338.4/86

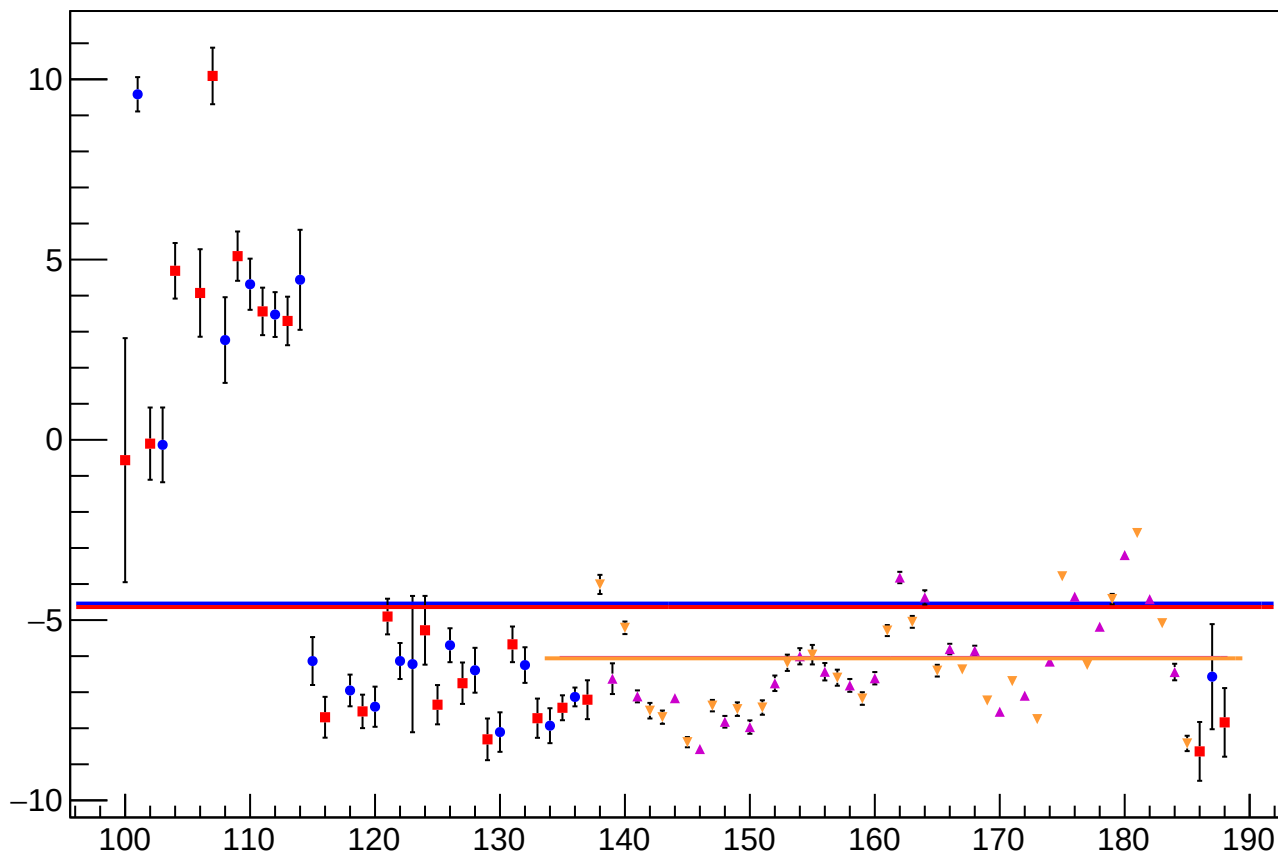
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 18.558 $\pm$ 0.195 χ^2 /NDF: 563.0/17
 Left Out: 11.830 $\pm$ 0.035 χ^2 /NDF:19032.5/24
 Right Out: 22.436 $\pm$ 0.161 χ^2 /NDF: 1568.7/20
 Left In: 11.683 $\pm$ 0.035 χ^2 /NDF:16927.3/22

Left: 11.757 $\pm$ 0.025 χ^2 /NDF: 35968.6/47
 Right: 20.868 $\pm$ 0.124 χ^2 /NDF: 2366.2/38
 In: 11.897 $\pm$ 0.034 χ^2 /NDF:18688.7/40
 Out: 12.301 $\pm$ 0.034 χ^2 /NDF:24745.6/45
 All: 12.102 $\pm$ 0.024 χ^2 /NDF: 43503.9/86

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.542 ± 0.129 χ^2/NDF : 1592.1/17

Left Out: -6.061 ± 0.031 χ^2/NDF : 2649.3/24

Right Out: -4.638 ± 0.134 χ^2/NDF : 1376.0/20

Left In: -6.050 ± 0.032 χ^2/NDF : 2303.3/22

Left: -6.055 ± 0.022 χ^2/NDF : 4952.7/47

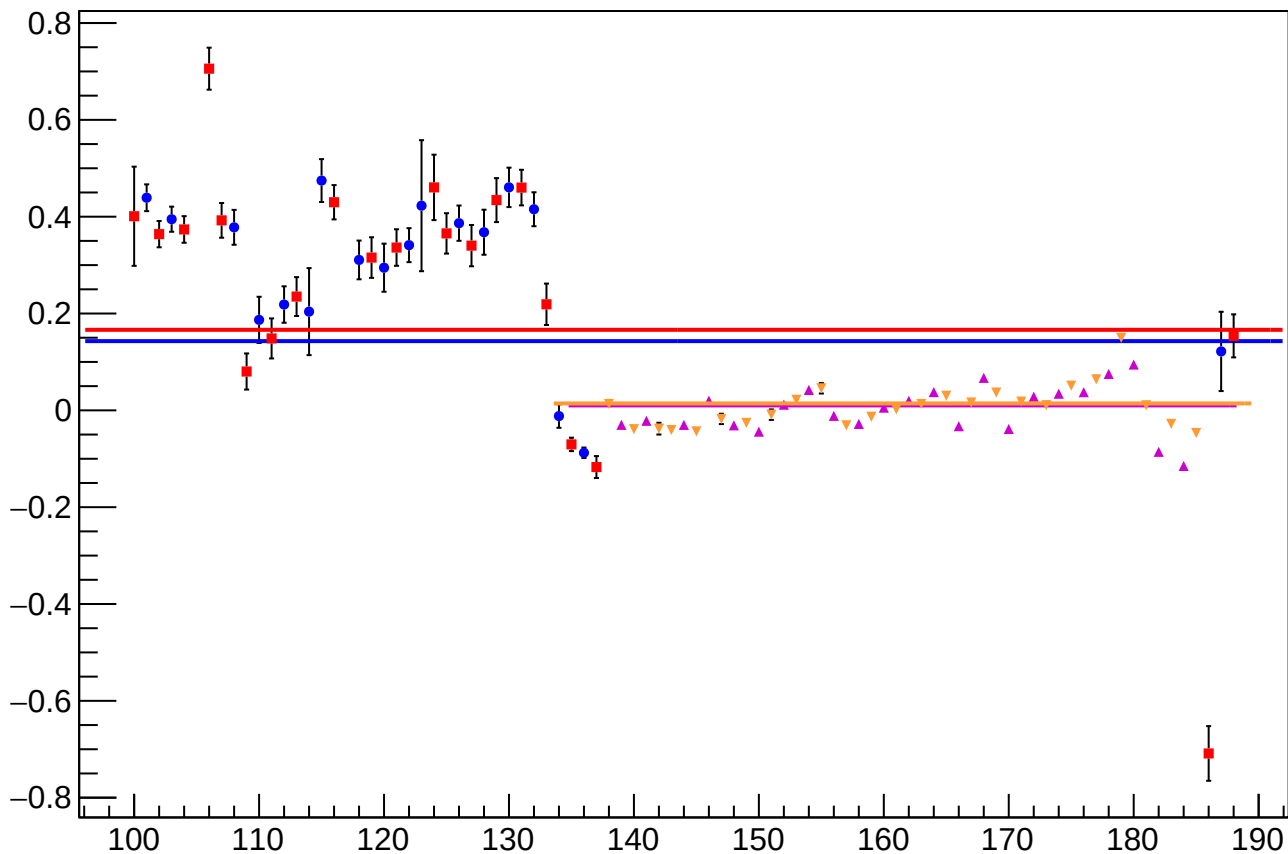
Right: -4.588 ± 0.093 χ^2/NDF : 2968.4/38

In: -5.964 ± 0.031 χ^2/NDF : 4024.3/40

Out: -5.987 ± 0.030 χ^2/NDF : 4132.6/45

All: -5.976 ± 0.022 χ^2/NDF : 8157.2/86

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: 1252.3/20

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

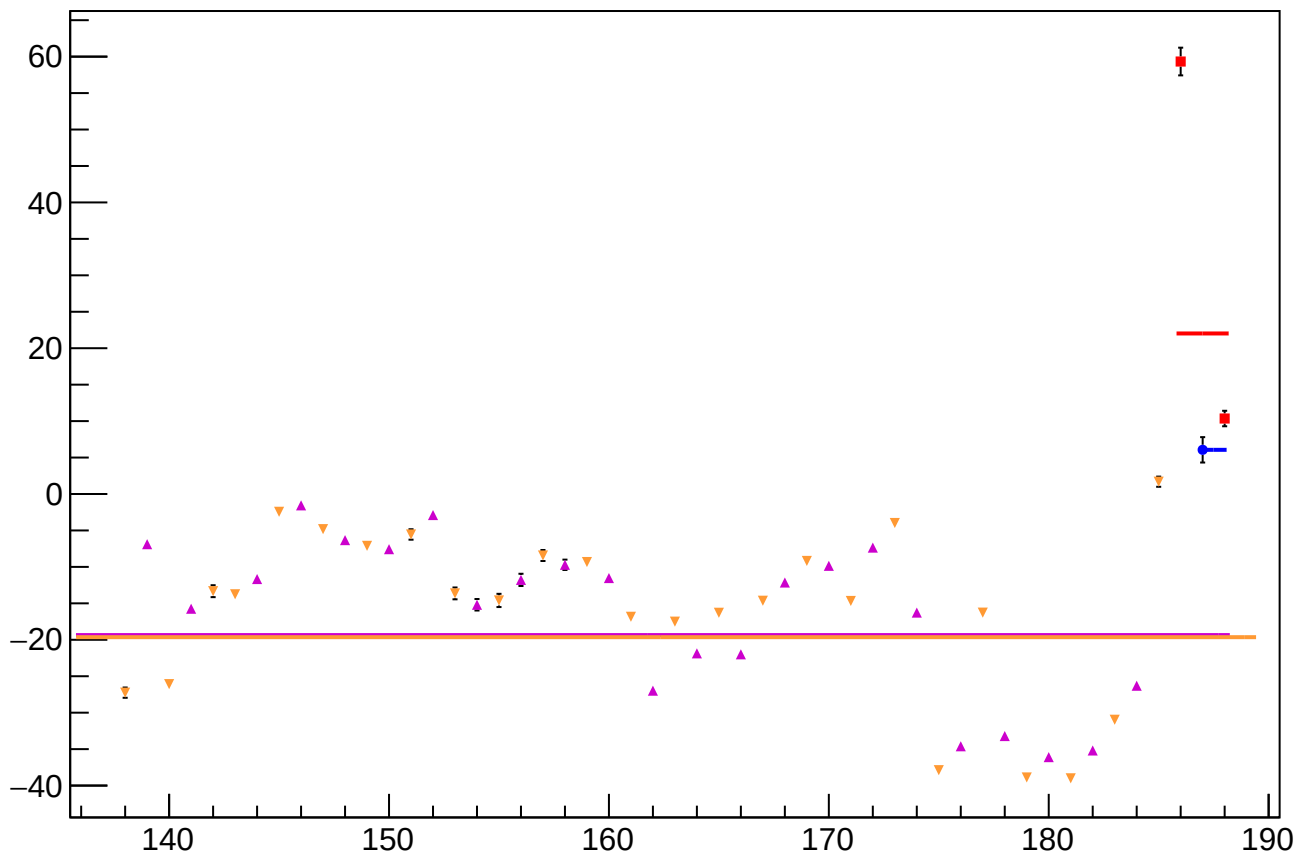
Right: 0.154 $\pm$ 0.005 χ^2 /NDF: 2318.1/38

In: 0.016 $\pm$ 0.001 χ^2 /NDF:2627.8/40

Out: 0.020 $\pm$ 0.001 χ^2 /NDF:2629.4/45

All: 0.018 $\pm$ 0.001 χ^2 /NDF: 5262.0/86

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: 22.023+/-0.928 χ^2/NDF : 505.8/1

Left In: -19.355+/-0.105 χ^2/NDF :12417.1/22

Left: -19.501+/-0.074 χ^2/NDF : 28151.5/47

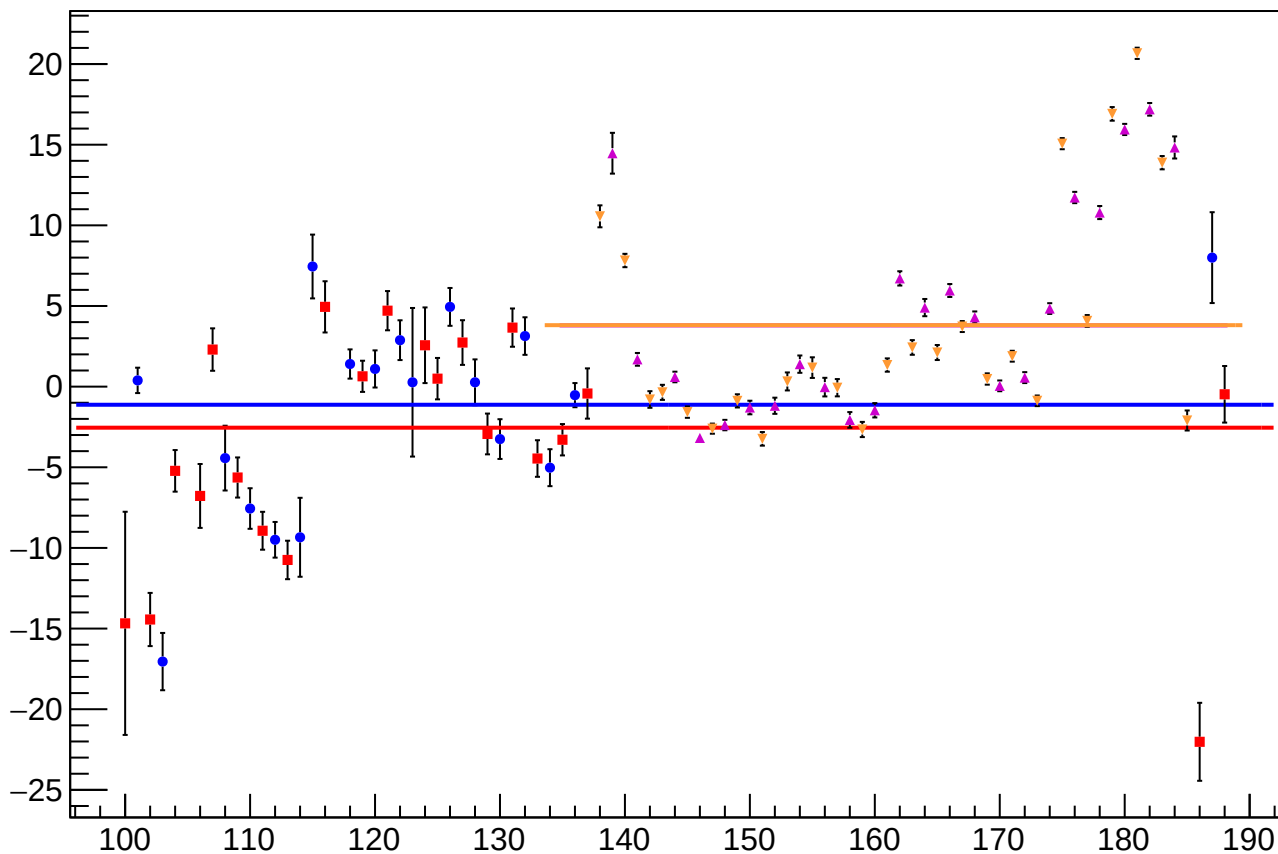
Right: 18.494+/-0.819 χ^2/NDF : 571.2/2

In: -19.264+/-0.104 χ^2/NDF :12629.3/23

Out: -19.132+/-0.103 χ^2/NDF :18228.8/26

All: -19.197+/-0.073 χ^2/NDF : 30858.9/50

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: -2.545+/-0.296 χ^2/NDF : 353.2/20

Left In: 3.795+/-0.083 χ^2/NDF : 5534.4/22

Left: 3.803+/-0.059 χ^2/NDF : 12652.7/47

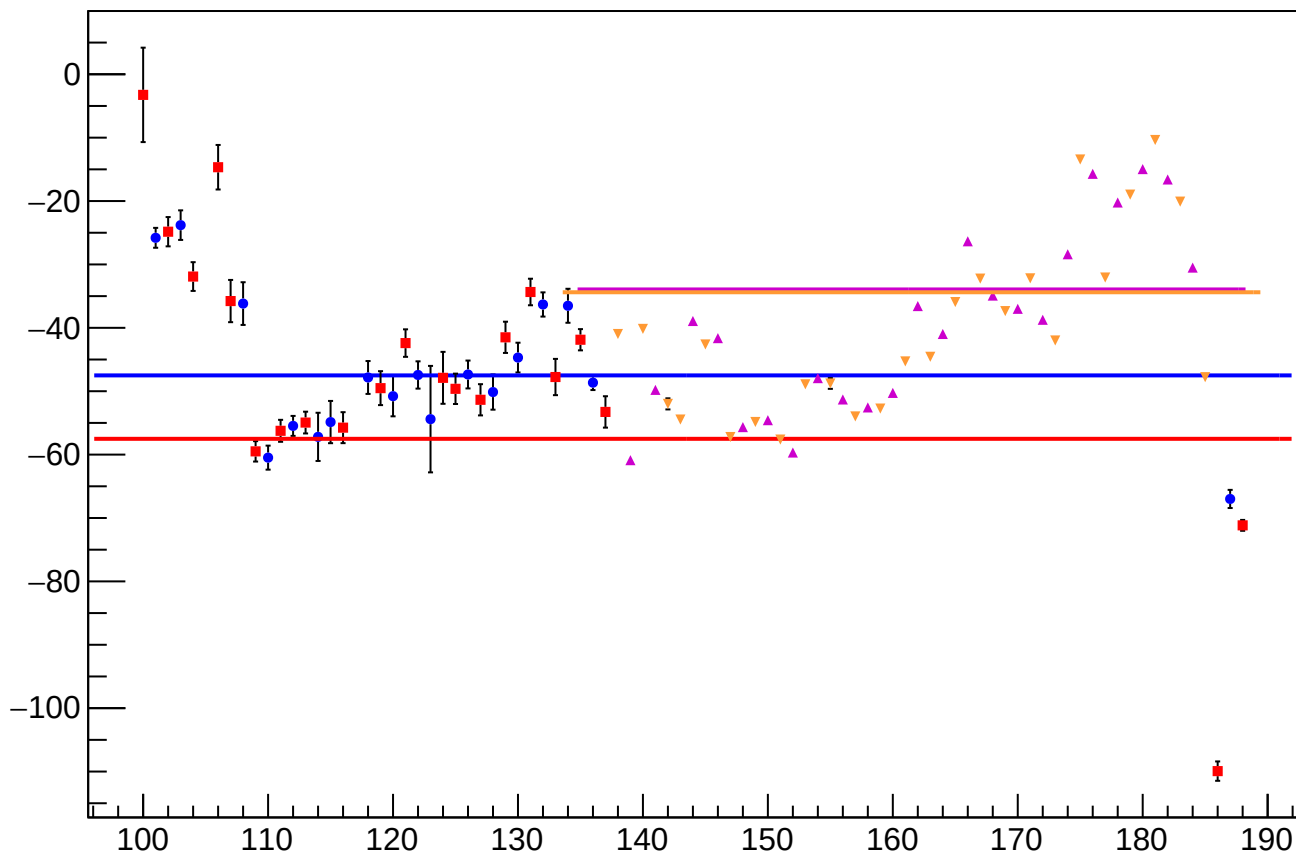
Right: -1.816+/-0.207 χ^2/NDF : 654.2/38

In: 3.417+/-0.080 χ^2/NDF : 6092.0/40

Out: 3.355+/-0.079 χ^2/NDF : 7900.0/45

All: 3.385+/-0.056 χ^2/NDF : 13992.3/86

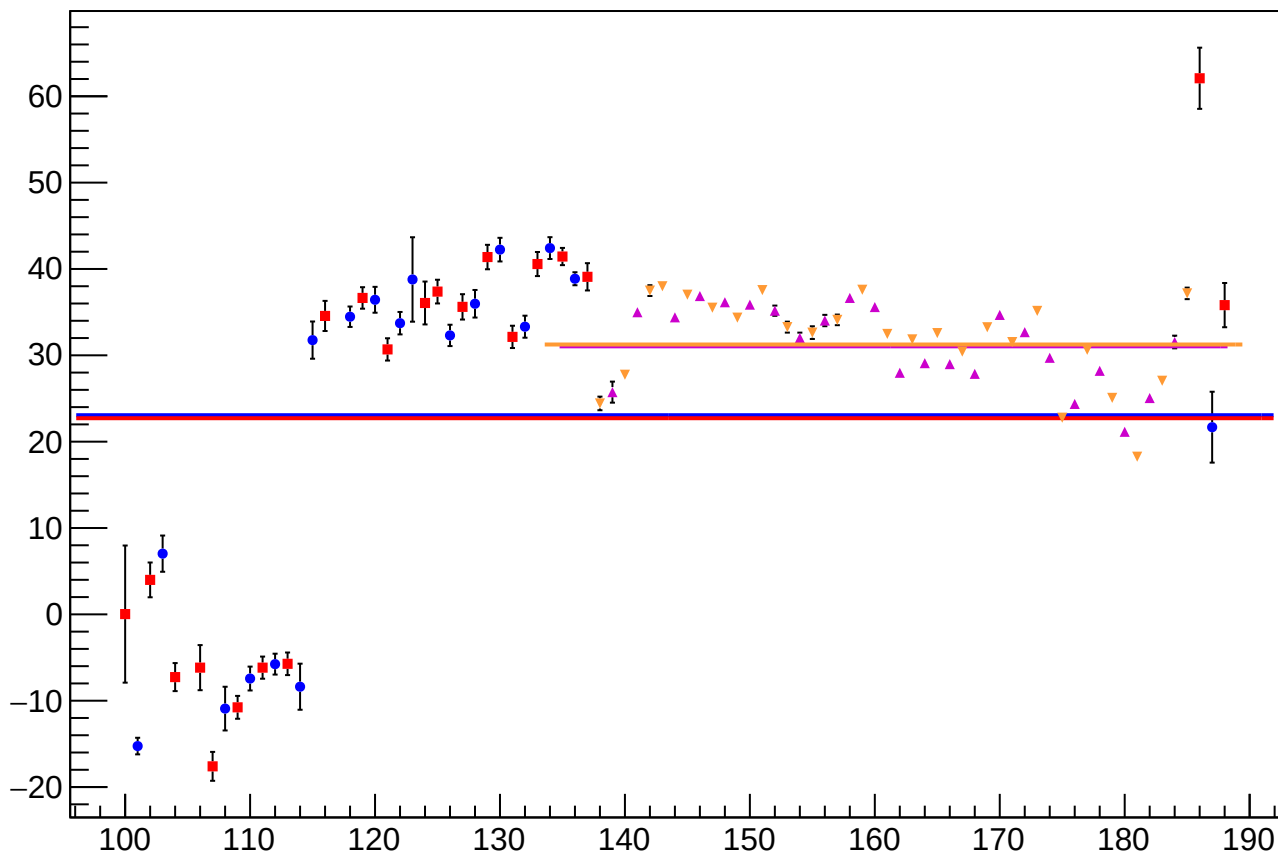
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -57.510 ± 0.432 χ^2/NDF : 2353.5/20
 Left In: -33.946 ± 0.105 χ^2/NDF : 17855.4/22

Left: -34.169 ± 0.074 χ^2/NDF : 37896.7/47
 Right: -53.147 ± 0.324 χ^2/NDF : 3219.1/38
 In: -34.538 ± 0.103 χ^2/NDF : 19216.5/40
 Out: -35.661 ± 0.101 χ^2/NDF : 25098.1/45
 All: -35.106 ± 0.072 χ^2/NDF : 44375.3/86

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: 22.715 $\pm$ 0.335 χ^2 /NDF: 4187.1/20

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

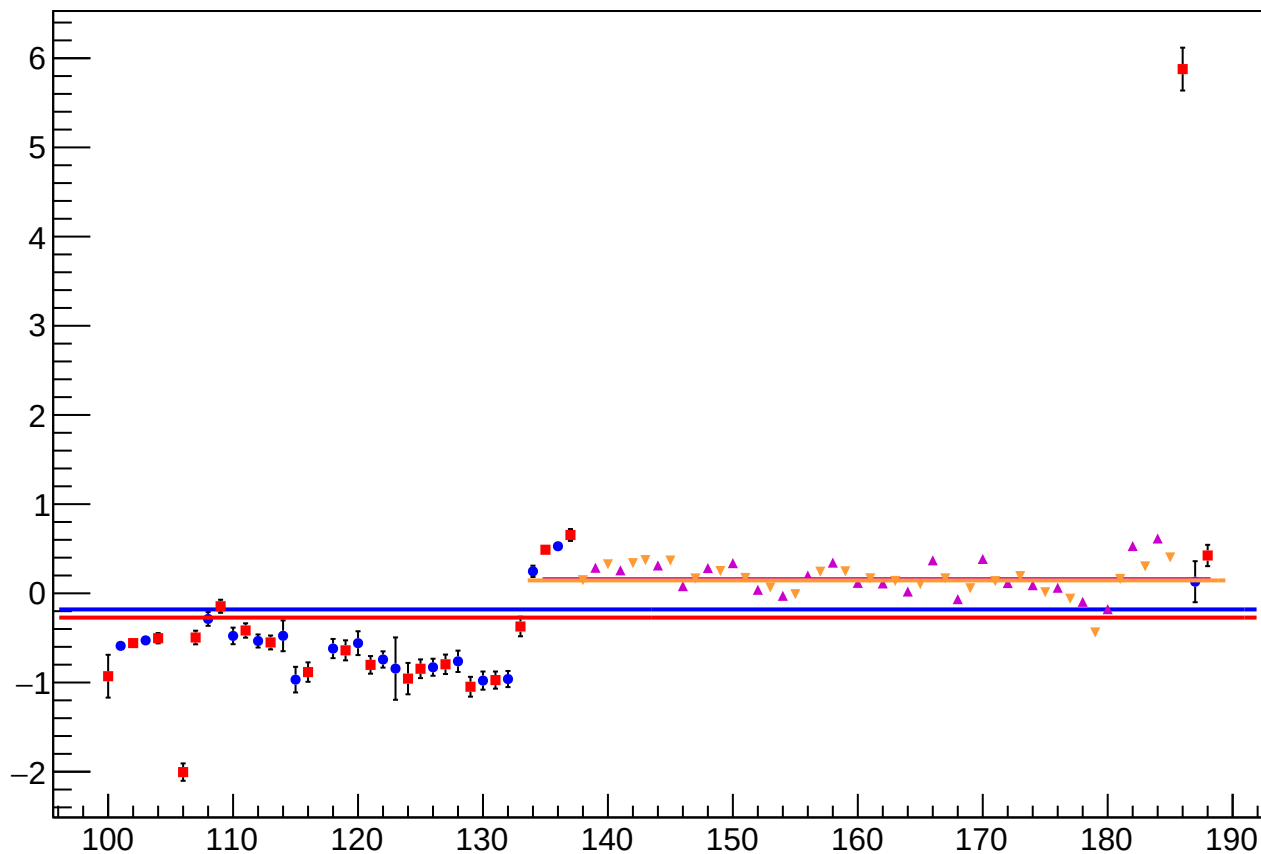
Right: 22.895 $\pm$ 0.233 χ^2 /NDF: 8533.7/38

In: 30.426 $\pm$ 0.090 χ^2 /NDF:7390.6/40

Out: 30.648 $\pm$ 0.089 χ^2 /NDF:8094.4/45

All: 30.538 $\pm$ 0.063 χ^2 /NDF: 15488.1/86

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180 ± 0.018 χ^2/NDF : 999.9/17

Left Out: 0.145 ± 0.004 χ^2/NDF : 1572.6/24

Right Out: -0.272 ± 0.018 χ^2/NDF : 1881.5/20

Left In: 0.159 ± 0.004 χ^2/NDF : 2020.5/22

Left: 0.152 ± 0.003 χ^2/NDF : 3598.6/47

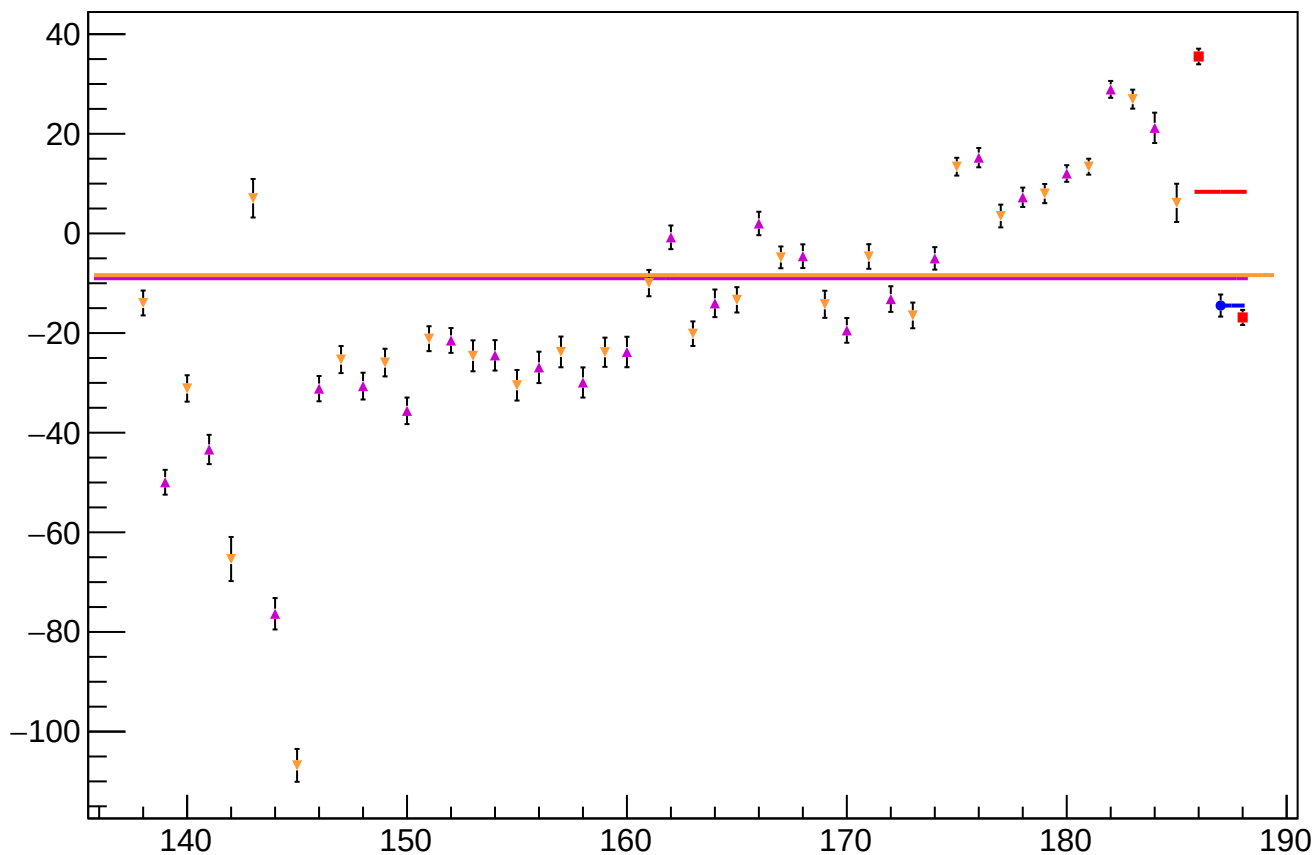
Right: -0.226 ± 0.013 χ^2/NDF : 2894.7/38

In: 0.140 ± 0.004 χ^2/NDF : 3368.7/40

Out: 0.123 ± 0.004 χ^2/NDF : 3967.5/45

All: 0.131 ± 0.003 χ^2/NDF : 7345.0/86

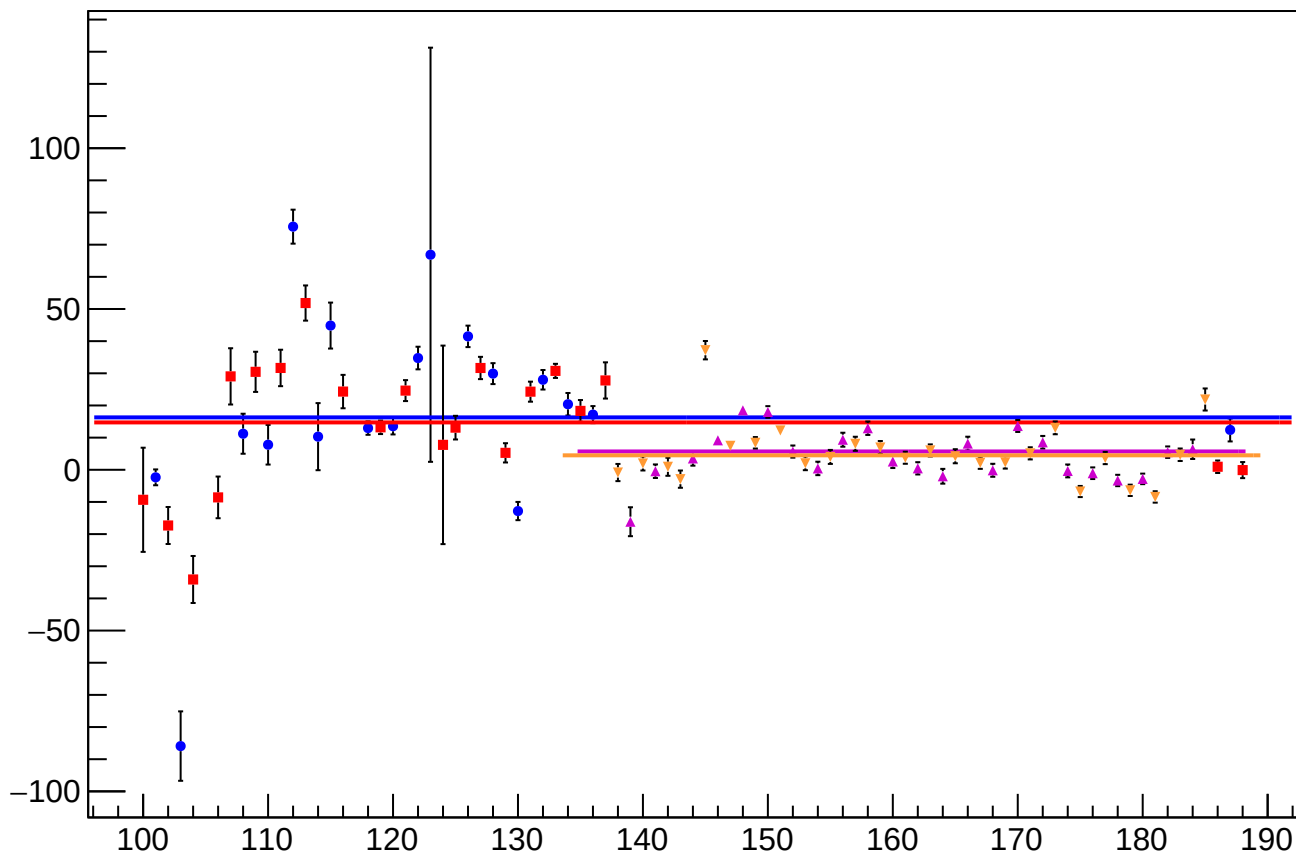
reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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: 8.351 ± 1.090 χ^2/NDF : 576.3/1
 Left In: -8.995 ± 0.505 χ^2/NDF : 2308.2/22

Left: -8.682 ± 0.355 χ^2/NDF : 4533.0/47
 Right: 3.915 ± 0.979 χ^2/NDF : 661.5/2
 In: -9.265 ± 0.493 χ^2/NDF : 2314.0/23
 Out: -5.466 ± 0.455 χ^2/NDF : 2994.7/26
 All: -7.214 ± 0.334 χ^2/NDF : 5340.9/50

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.293+/-0.825 χ^2/NDF : 520.9/17

Left Out: 4.494+/-0.393 χ^2/NDF : 372.1/24

Right Out: 14.729+/-0.775 χ^2/NDF : 357.2/20

Left In: 5.699+/-0.403 χ^2/NDF : 329.1/22

Left: 5.081+/-0.281 χ^2/NDF : 705.8/47

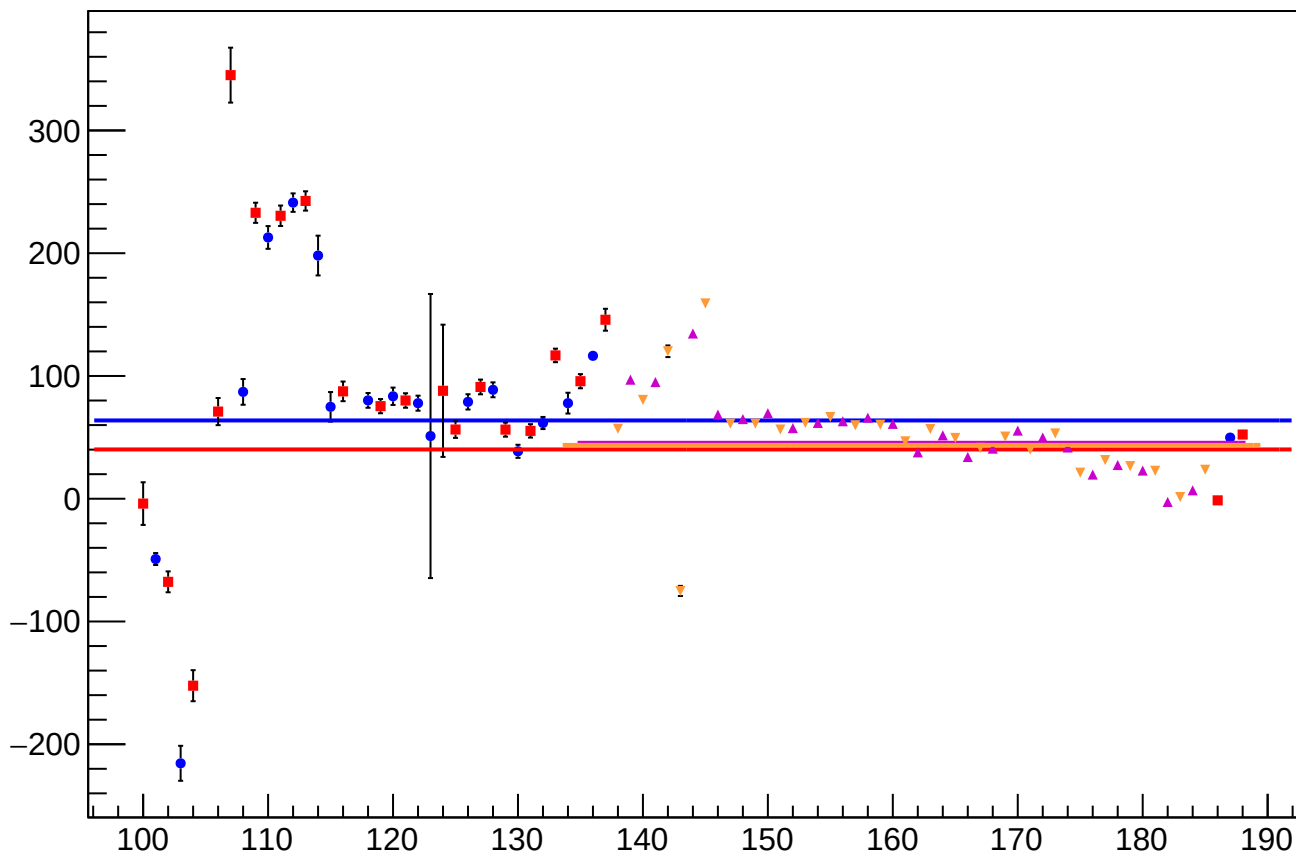
Right: 15.462+/-0.565 χ^2/NDF : 880.0/38

In: 7.743+/-0.362 χ^2/NDF : 983.2/40

Out: 6.586+/-0.350 χ^2/NDF : 868.1/45

All: 7.145+/-0.252 χ^2/NDF : 1856.6/86

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: 40.147 $\pm$ 0.780 χ^2 /NDF: 4148.8/20

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

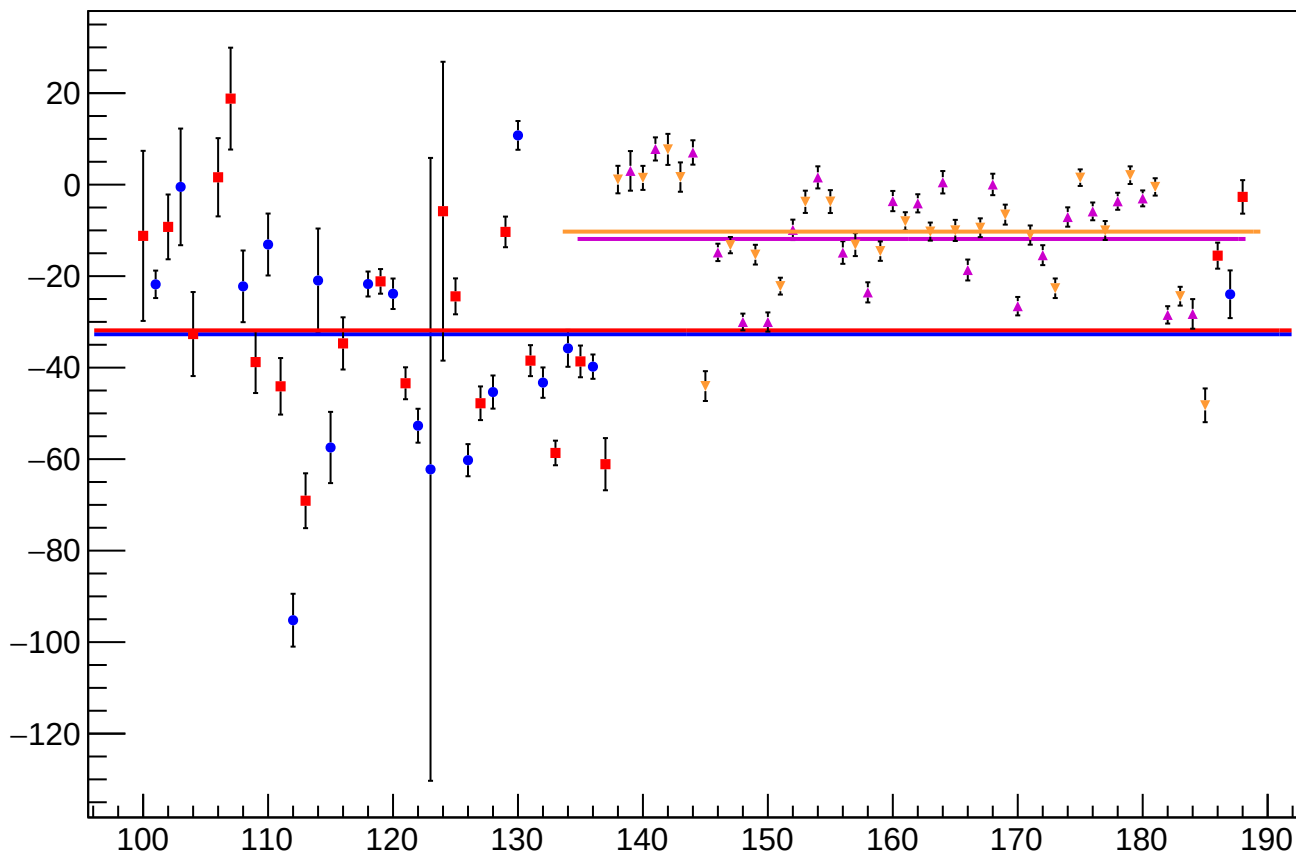
Right: 47.018 $\pm$ 0.657 χ^2 /NDF: 6520.9/38

In: 48.209 $\pm$ 0.465 χ^2 /NDF: 5448.7/40

Out: 42.767 $\pm$ 0.420 χ^2 /NDF: 7845.6/45

All: 45.217 $\pm$ 0.312 χ^2 /NDF: 13369.8/86

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: -31.854 ± 0.933 χ^2/NDF : 411.9/20

Left In: -11.875 ± 0.455 χ^2/NDF : 668.4/22

Left: -11.053 ± 0.318 χ^2/NDF : 1228.5/47

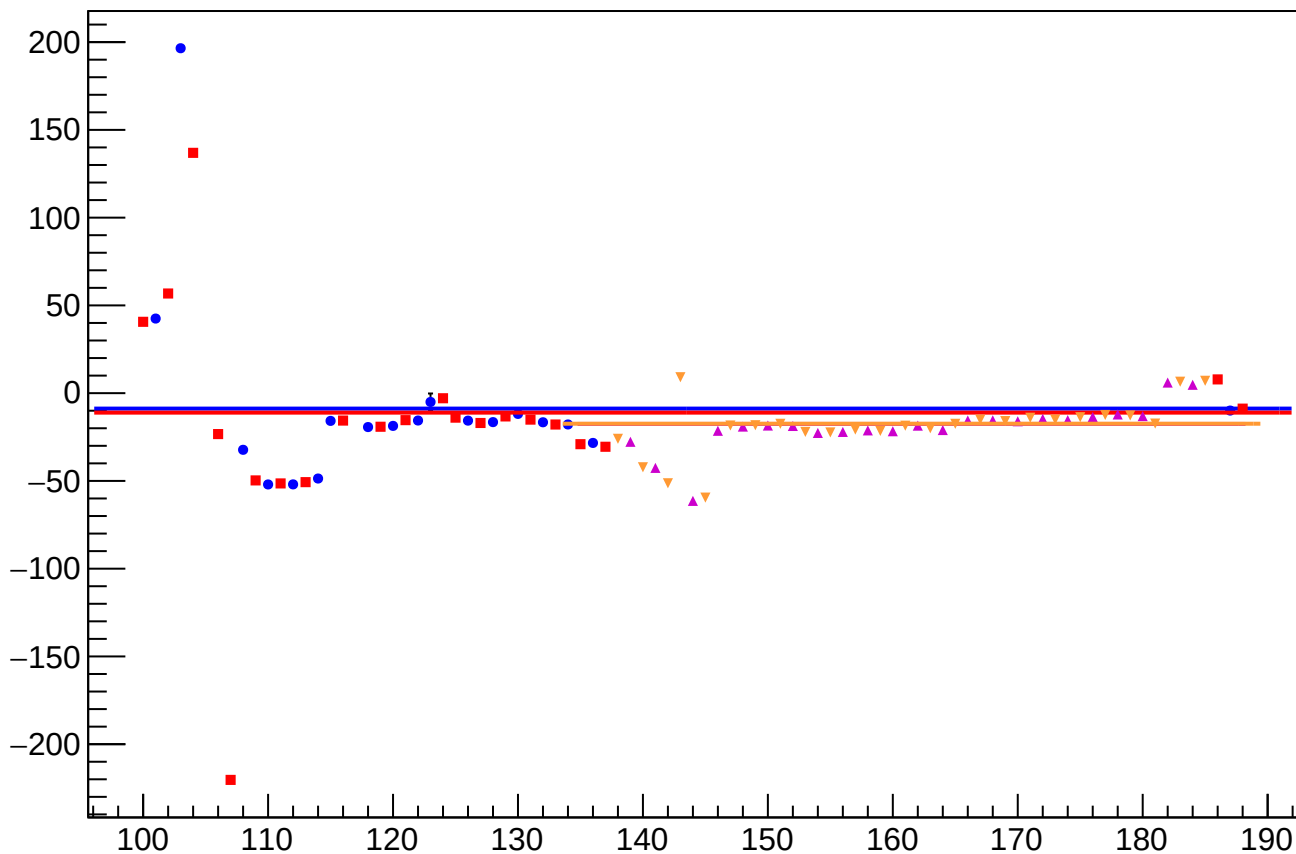
Right: -32.268 ± 0.667 χ^2/NDF : 908.3/38

In: -15.722 ± 0.411 χ^2/NDF : 1551.9/40

Out: -14.268 ± 0.402 χ^2/NDF : 1401.9/45

All: -14.979 ± 0.287 χ^2/NDF : 2960.2/86

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.795+/-0.058 χ^2/NDF : 576027.5/17

Left Out: -17.411+/-0.020 χ^2/NDF : 320231.3/24

Right Out: -11.093+/-0.056 χ^2/NDF : 568658.2/20

Left In: -17.552+/-0.021 χ^2/NDF : 261900.3/22

Left: -17.481+/-0.015 χ^2/NDF : 582155.3/47

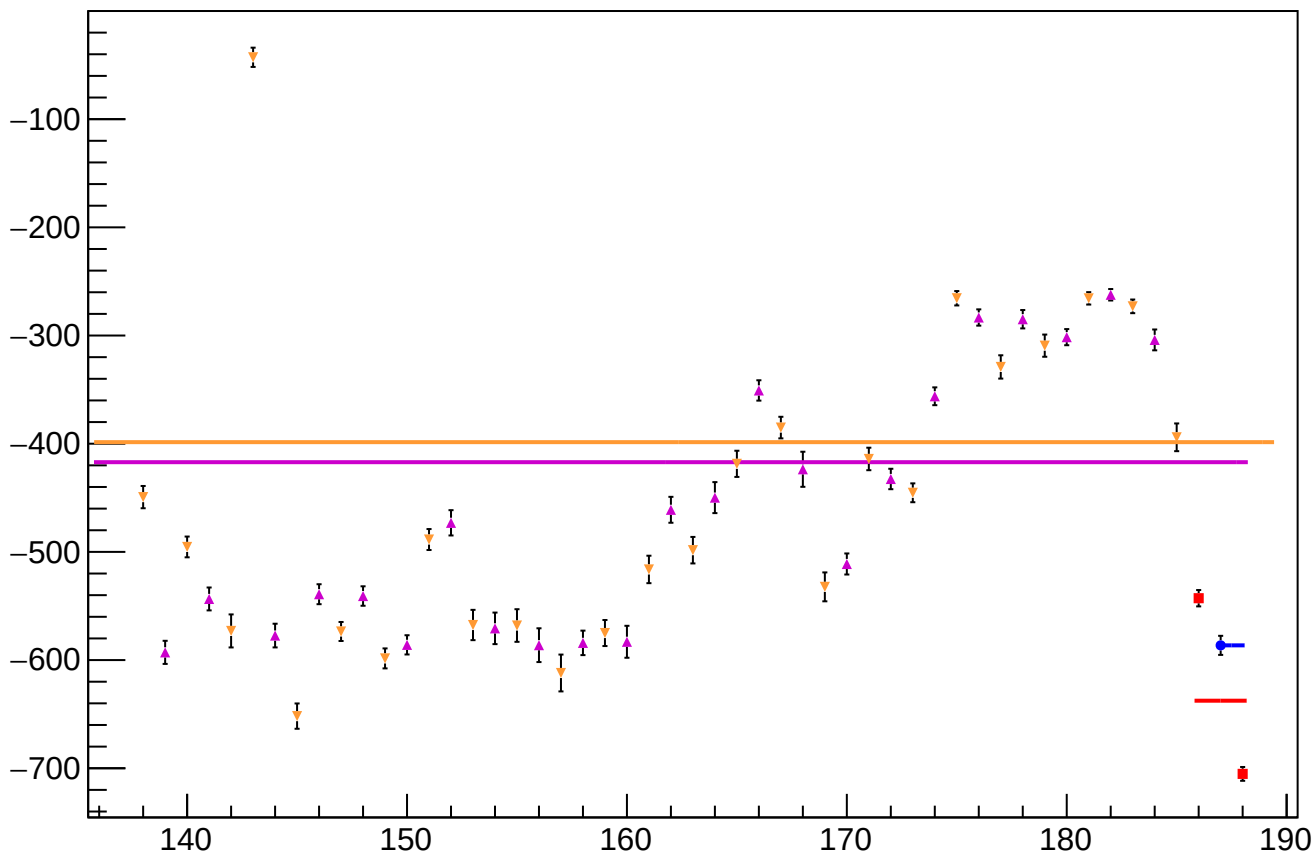
Right: -9.980+/-0.040 χ^2/NDF : 1145504.2/38

In: -16.562+/-0.019 χ^2/NDF : 858378.2/40

Out: -16.667+/-0.019 χ^2/NDF : 900157.5/45

All: -16.615+/-0.014 χ^2/NDF : 1758550.4/86

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: -637.557+/-4.876 χ^2 /NDF: 269.6/1

Left In: -417.080+/-1.997 χ^2 /NDF:3958.5/22

Left: -407.653+/-1.399 χ^2 /NDF: 9661.9/47

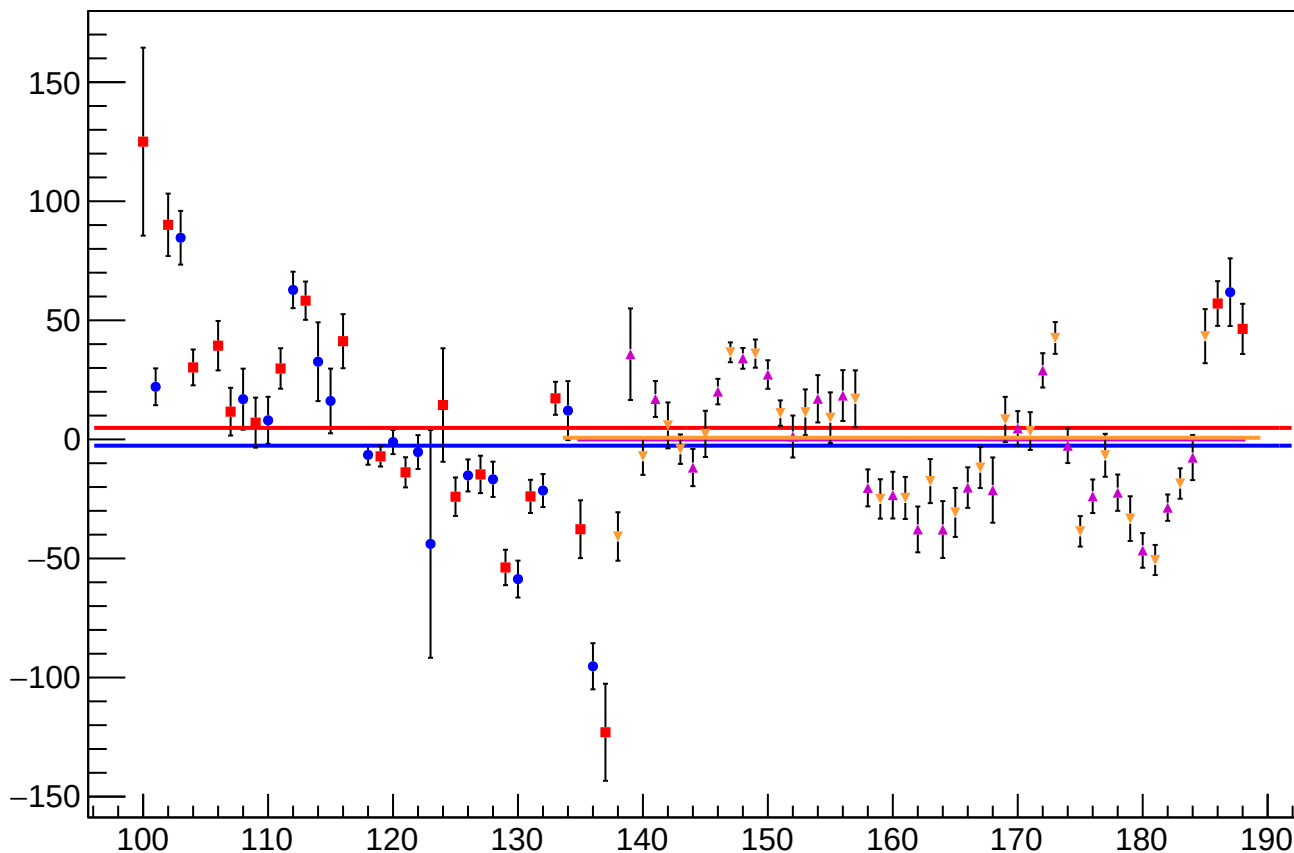
Right: -625.574+/-4.267 χ^2 /NDF: 295.3/2

In: -425.341+/-1.948 χ^2 /NDF:4309.4/23

Out: -431.844+/-1.820 χ^2 /NDF:7996.8/26

All: -428.813+/-1.330 χ^2 /NDF: 12312.2/50

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: 4.834 ± 1.852 χ^2/NDF : 353.7/20

Left In: -0.052 ± 1.571 χ^2/NDF : 264.1/22

Left: 0.337 ± 1.089 χ^2/NDF : 614.1/47

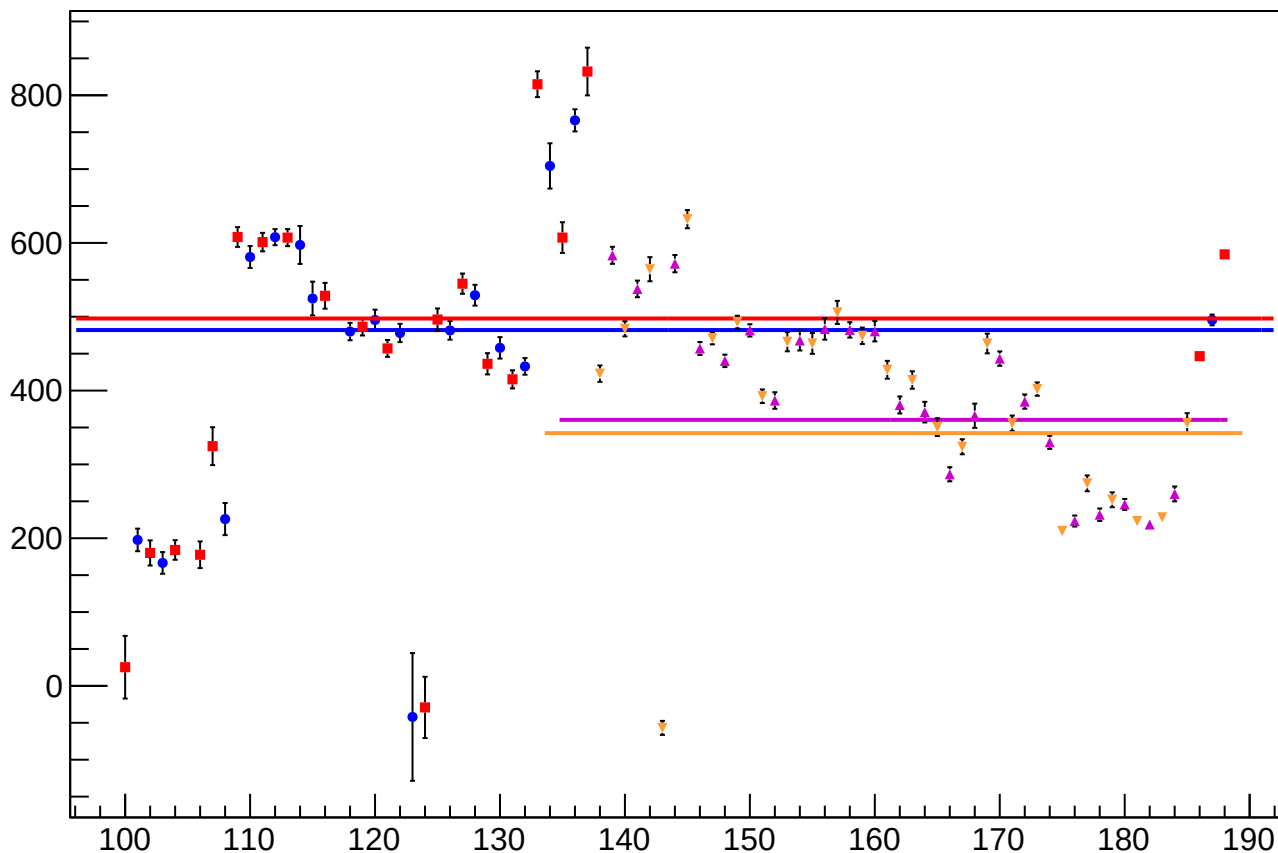
Right: 1.140 ± 1.317 χ^2/NDF : 697.1/38

In: -1.119 ± 1.203 χ^2/NDF : 600.5/40

Out: 2.349 ± 1.170 χ^2/NDF : 706.6/45

All: 0.663 ± 0.839 χ^2/NDF : 1311.4/86

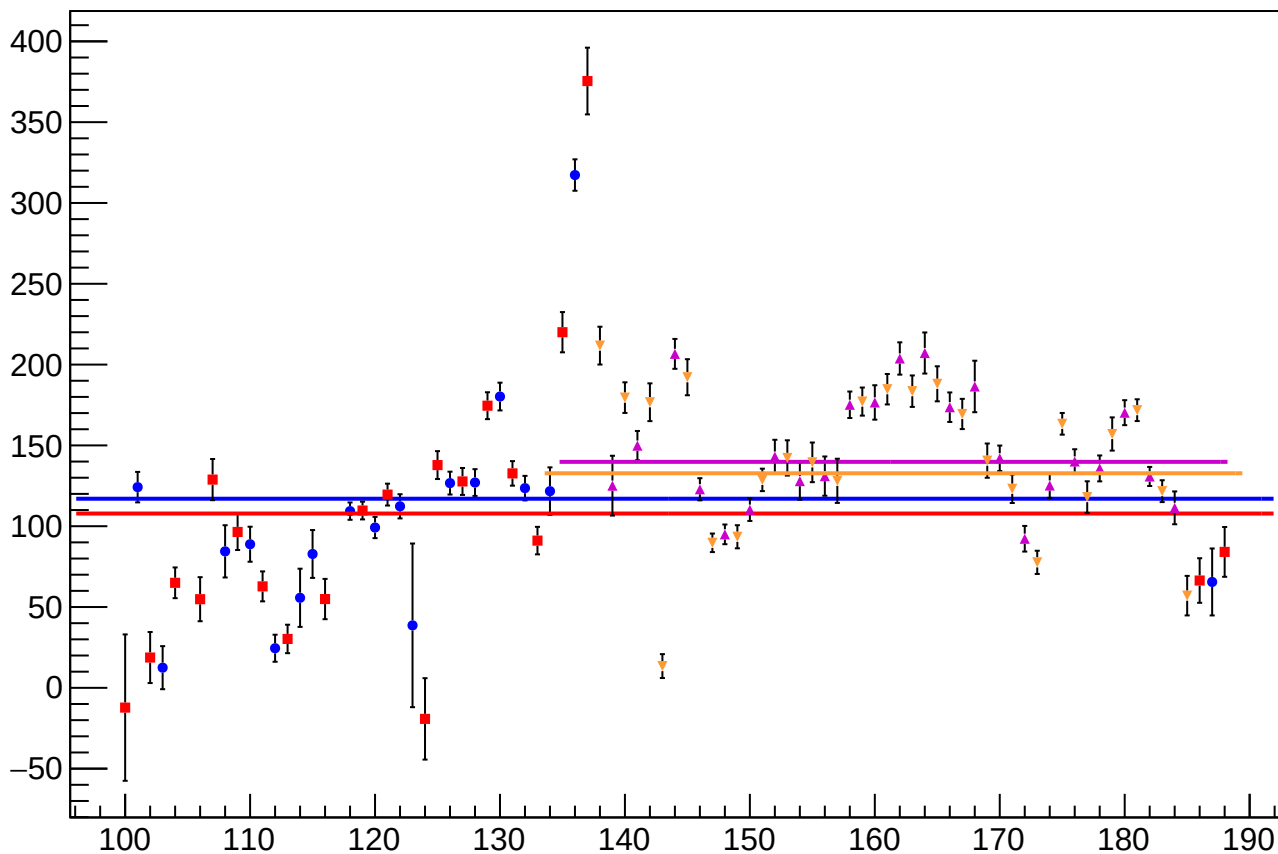
reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 497.646 $\pm$ 2.624 χ^2 /NDF: 2686.1/20
 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: 491.449 $\pm$ 2.041 χ^2 /NDF: 4333.7/38
 In: 393.720 $\pm$ 1.700 χ^2 /NDF: 6102.3/40
 Out: 398.328 $\pm$ 1.575 χ^2 /NDF: 10107.3/45
 All: 396.199 $\pm$ 1.155 χ^2 /NDF: 16213.6/86

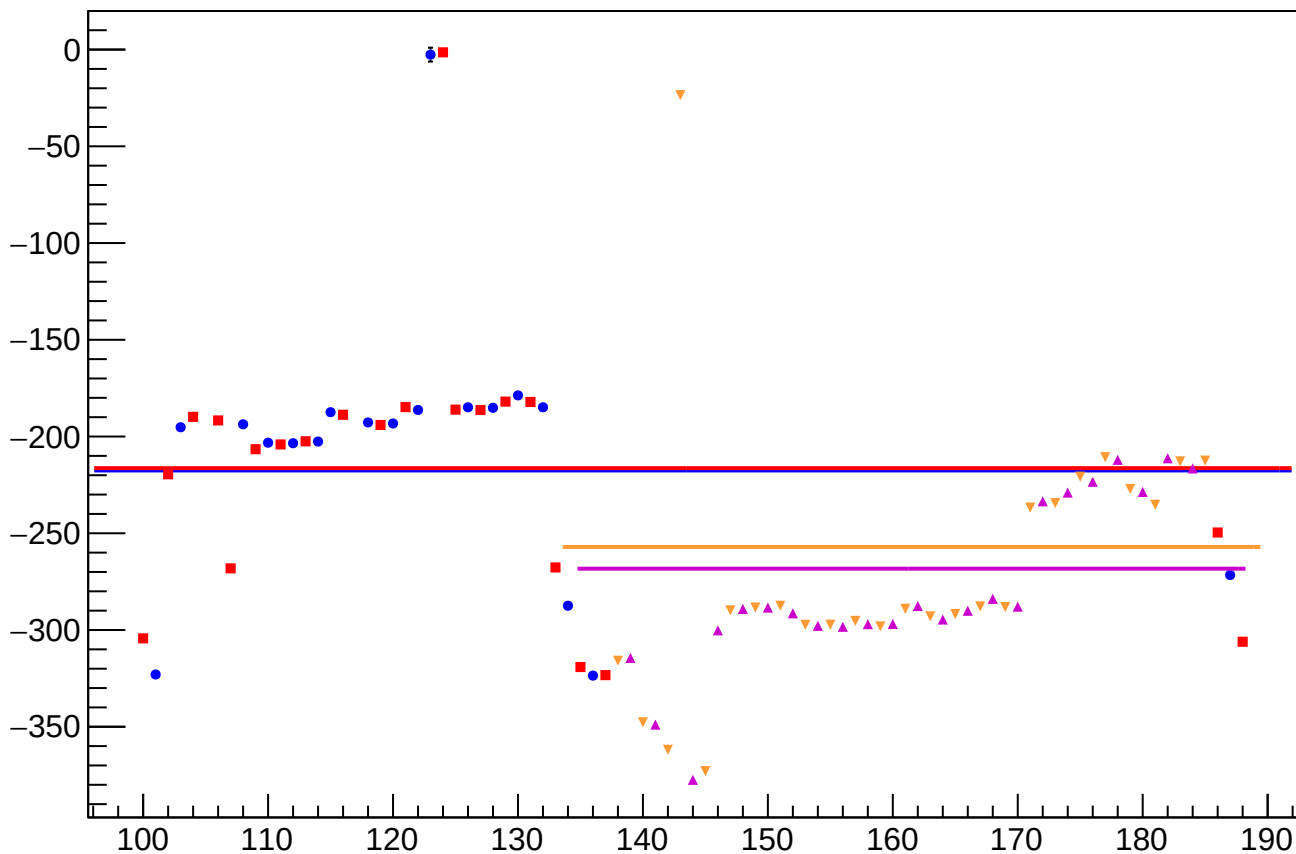
reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 117.008 $\pm$ 2.181 χ^2/NDF : 713.1/17
 Left Out: 132.762 $\pm$ 1.736 χ^2/NDF : 749.6/24
 Right Out: 107.847 $\pm$ 2.160 χ^2/NDF : 583.1/20
 Left In: 139.828 $\pm$ 1.790 χ^2/NDF : 321.7/22

Left: 136.187 $\pm$ 1.246 χ^2/NDF : 1079.3/47
 Right: 112.385 $\pm$ 1.535 χ^2/NDF : 1305.1/38
 In: 130.644 $\pm$ 1.383 χ^2/NDF : 1100.2/40
 Out: 122.989 $\pm$ 1.353 χ^2/NDF : 1413.5/45
 All: 126.731 $\pm$ 0.967 χ^2/NDF : 2529.4/86

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: -216.351+/-0.127 χ^2/NDF : 133563.1/20

Left In: -268.305+/-0.083 χ^2/NDF : 264853.3/22

Left: -262.619+/-0.059 χ^2/NDF : 939831.3/47

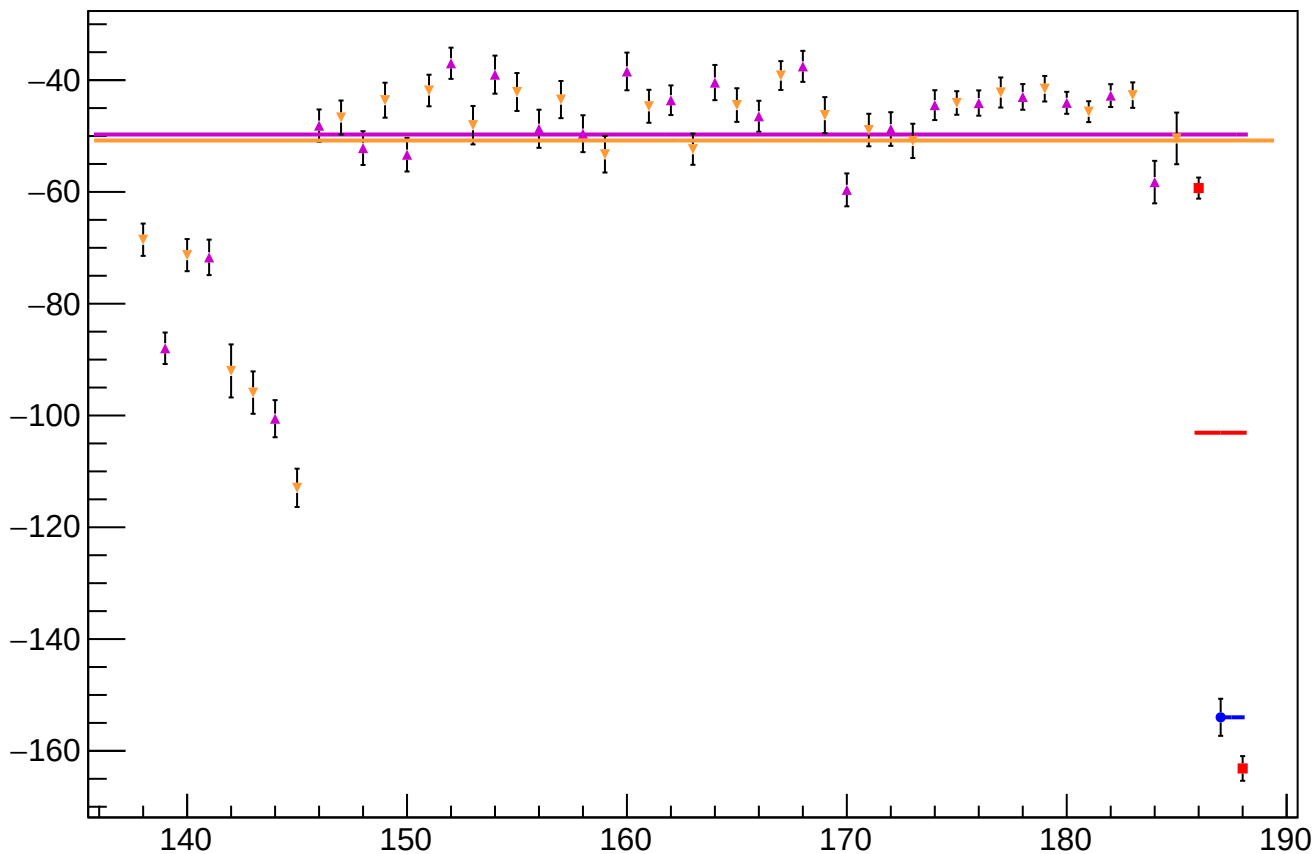
Right: -216.904+/-0.092 χ^2/NDF : 282752.3/38

In: -254.272+/-0.071 χ^2/NDF : 516776.5/40

Out: -245.031+/-0.069 χ^2/NDF : 871715.6/45

All: -249.534+/-0.049 χ^2/NDF : 1397218.8/86

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: -103.082 ± 1.434 χ^2/NDF : 1277.7/1

Left In: -49.728 ± 0.581 χ^2/NDF : 601.0/22

Left: -50.272 ± 0.408 χ^2/NDF : 1355.3/47

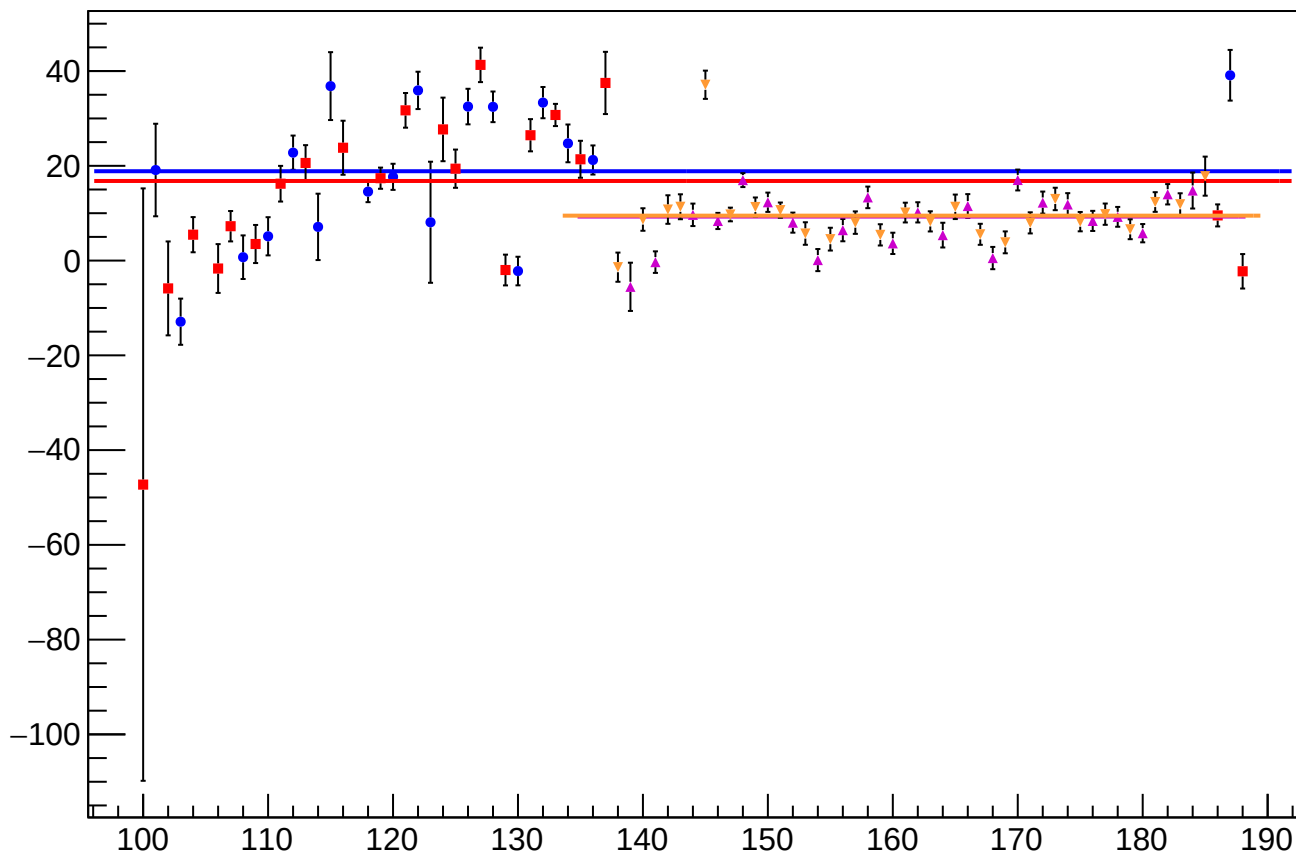
Right: -111.099 ± 1.317 χ^2/NDF : 1476.1/2

In: -52.835 ± 0.573 χ^2/NDF : 1559.1/23

Out: -58.014 ± 0.533 χ^2/NDF : 3175.5/26

All: -55.612 ± 0.390 χ^2/NDF : 4778.4/50

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: 16.802 $\pm$ 0.791 χ^2 /NDF: 241.5/20

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

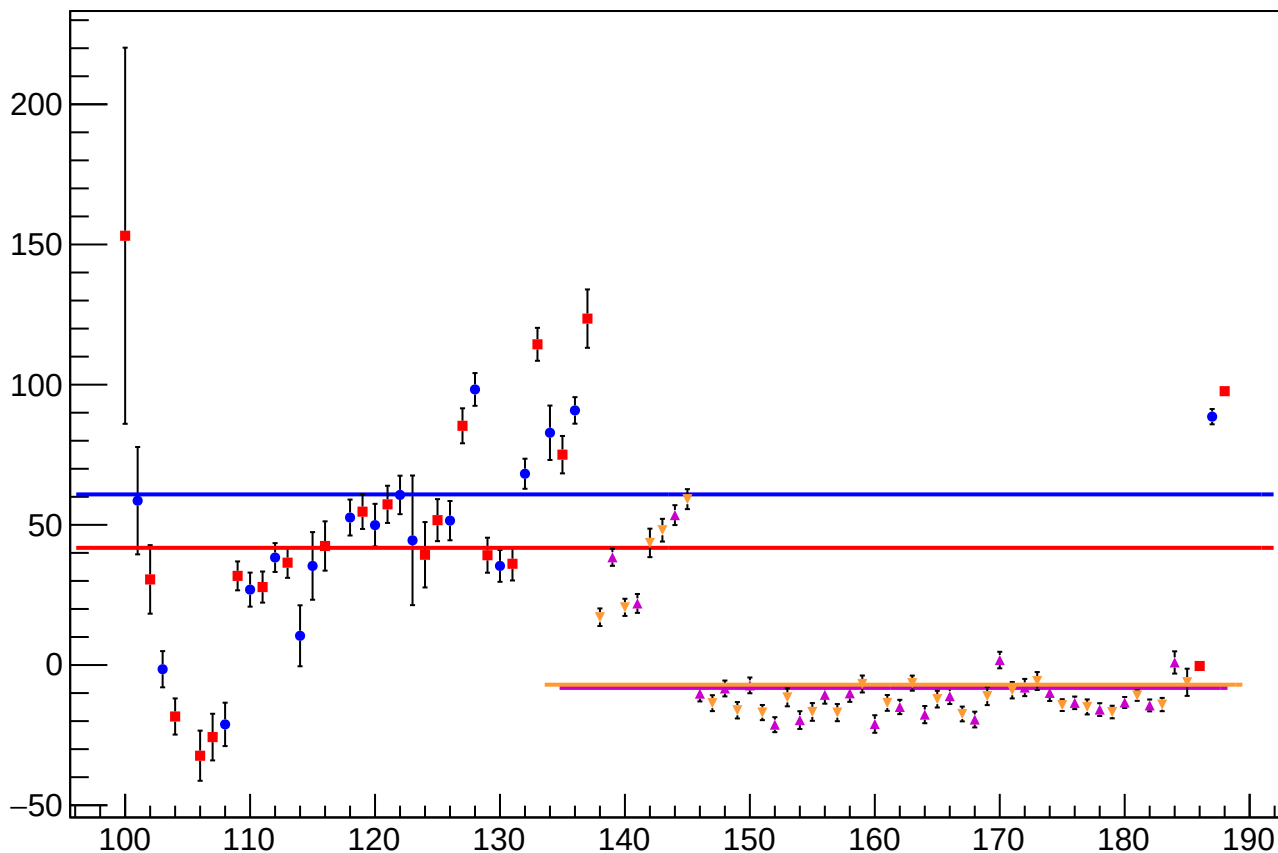
Right: 17.707 $\pm$ 0.592 χ^2 /NDF: 463.8/38

In: 11.300 $\pm$ 0.409 χ^2 /NDF:435.7/40

Out: 11.254 $\pm$ 0.389 χ^2 /NDF:439.4/45

All: 11.276 $\pm$ 0.282 χ^2 /NDF: 875.1/86

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: 41.803 $\pm$ 0.936 χ^2 /NDF: 2295.9/20

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

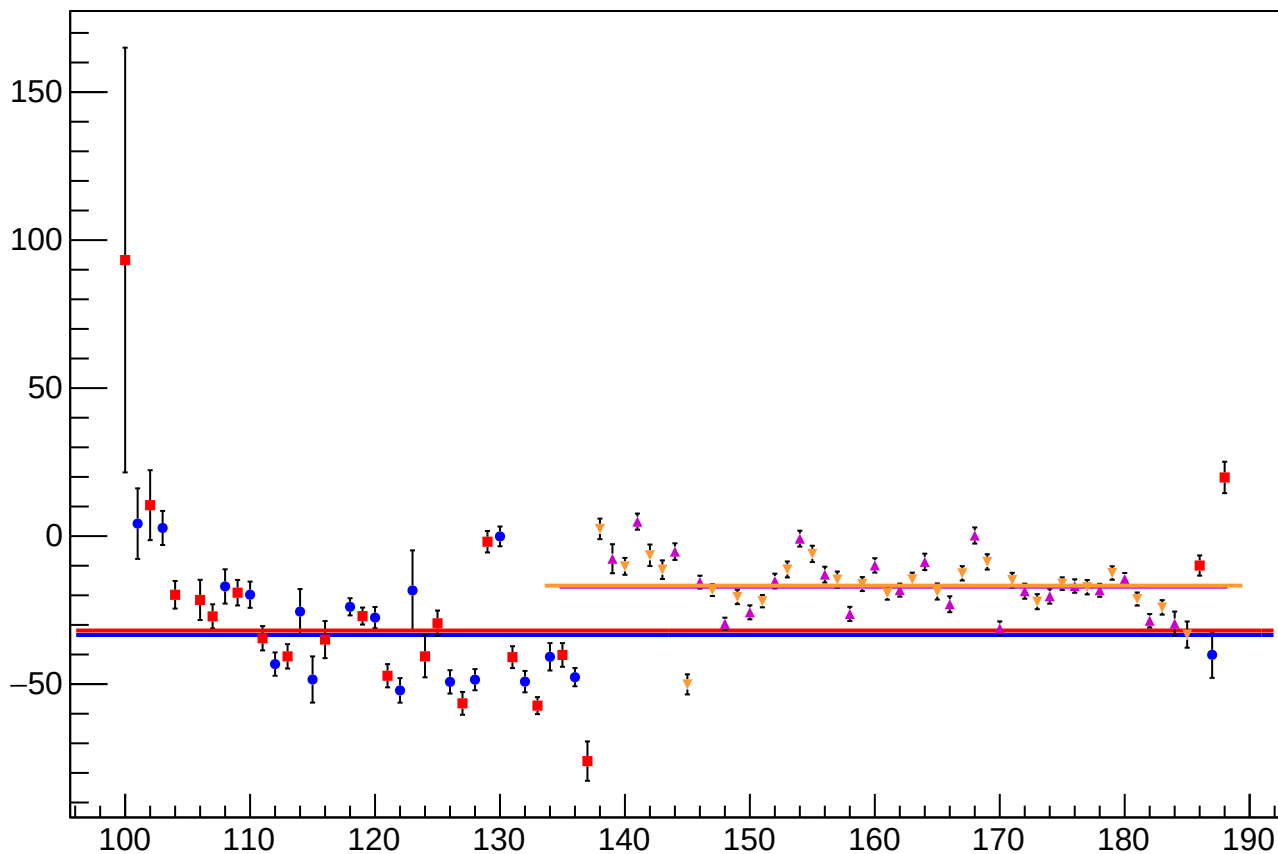
Right: 47.557 $\pm$ 0.782 χ^2 /NDF: 2921.2/38

In: 1.609 $\pm$ 0.535 χ^2 /NDF: 3274.1/40

Out: 6.267 $\pm$ 0.488 χ^2 /NDF: 5175.9/45

All: 4.152 $\pm$ 0.361 χ^2 /NDF: 8491.3/86

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.409 ± 1.024 χ^2/NDF : 289.9/17

Left Out: -16.727 ± 0.508 χ^2/NDF : 223.3/24

Right Out: -31.896 ± 0.938 χ^2/NDF : 437.8/20

Left In: -17.100 ± 0.520 χ^2/NDF : 328.1/22

Left: -16.909 ± 0.363 χ^2/NDF : 551.7/47

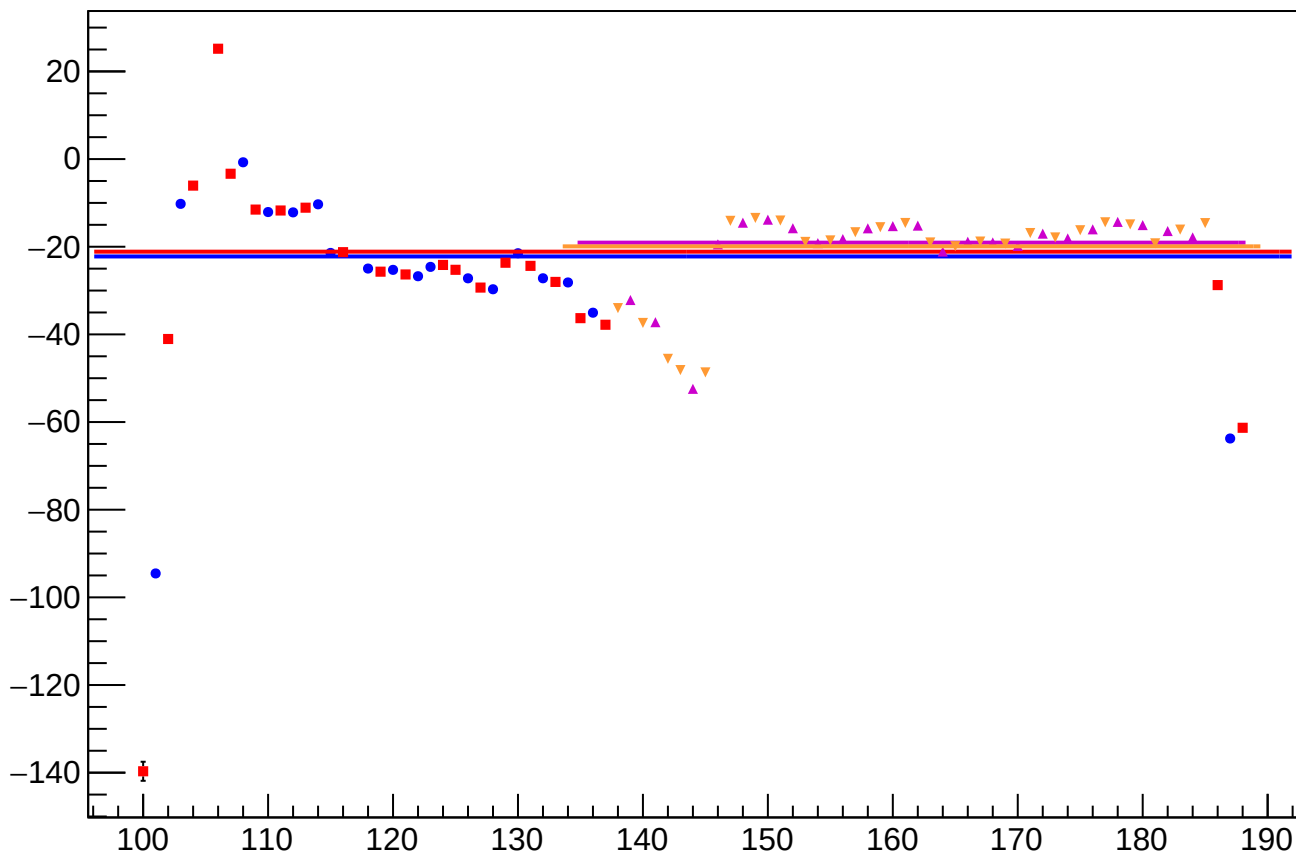
Right: -32.586 ± 0.692 χ^2/NDF : 728.8/38

In: -20.448 ± 0.464 χ^2/NDF : 819.5/40

Out: -20.165 ± 0.446 χ^2/NDF : 863.4/45

All: -20.301 ± 0.322 χ^2/NDF : 1683.1/86

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: -21.125 ± 0.054 χ^2/NDF : 110591.4/20

Left In: -19.068 ± 0.024 χ^2/NDF : 92702.3/22

Left: -19.496 ± 0.017 χ^2/NDF : 234444.5/47

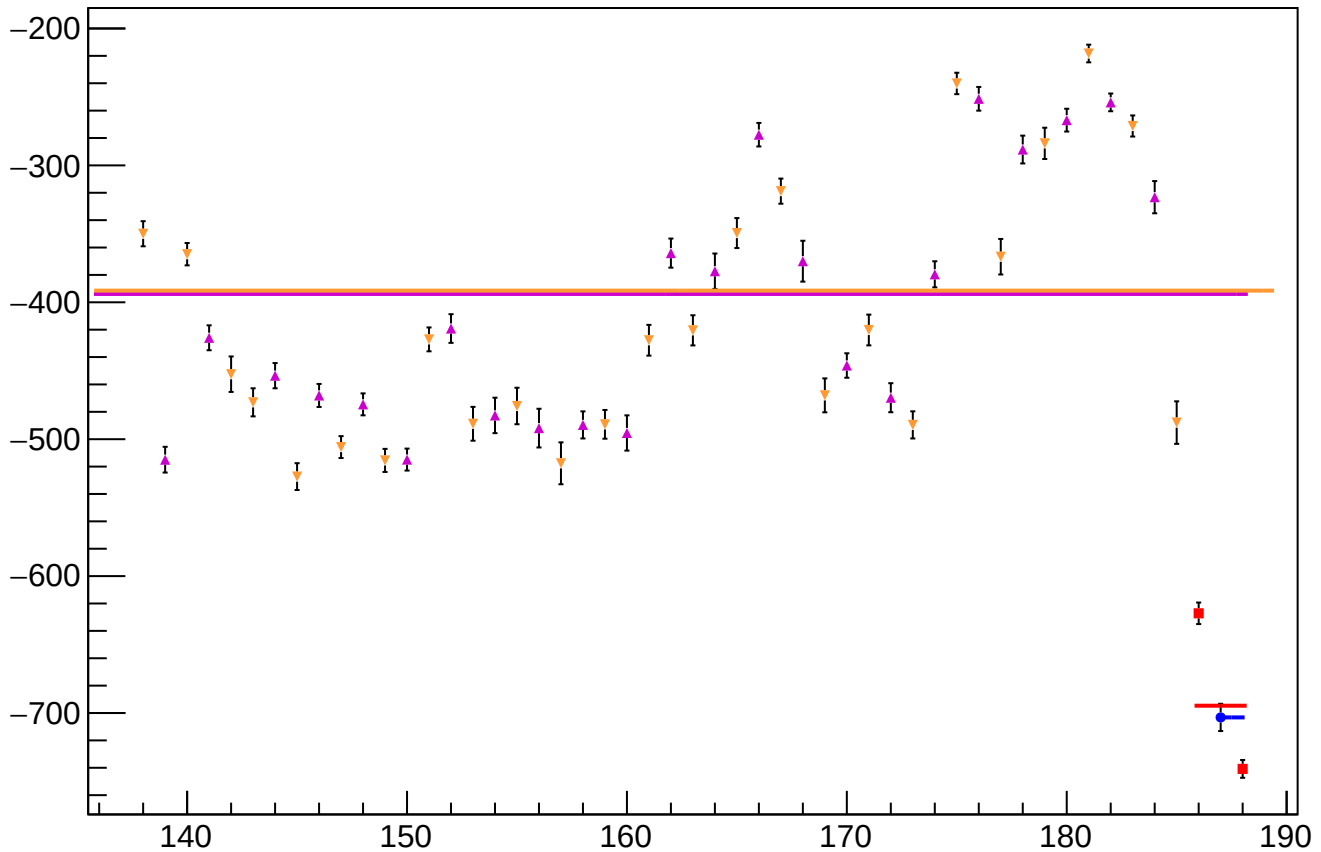
Right: -21.635 ± 0.040 χ^2/NDF : 168898.6/38

In: -19.513 ± 0.022 χ^2/NDF : 153340.2/40

Out: -20.103 ± 0.021 χ^2/NDF : 252099.6/45

All: -19.813 ± 0.015 χ^2/NDF : 405811.5/86

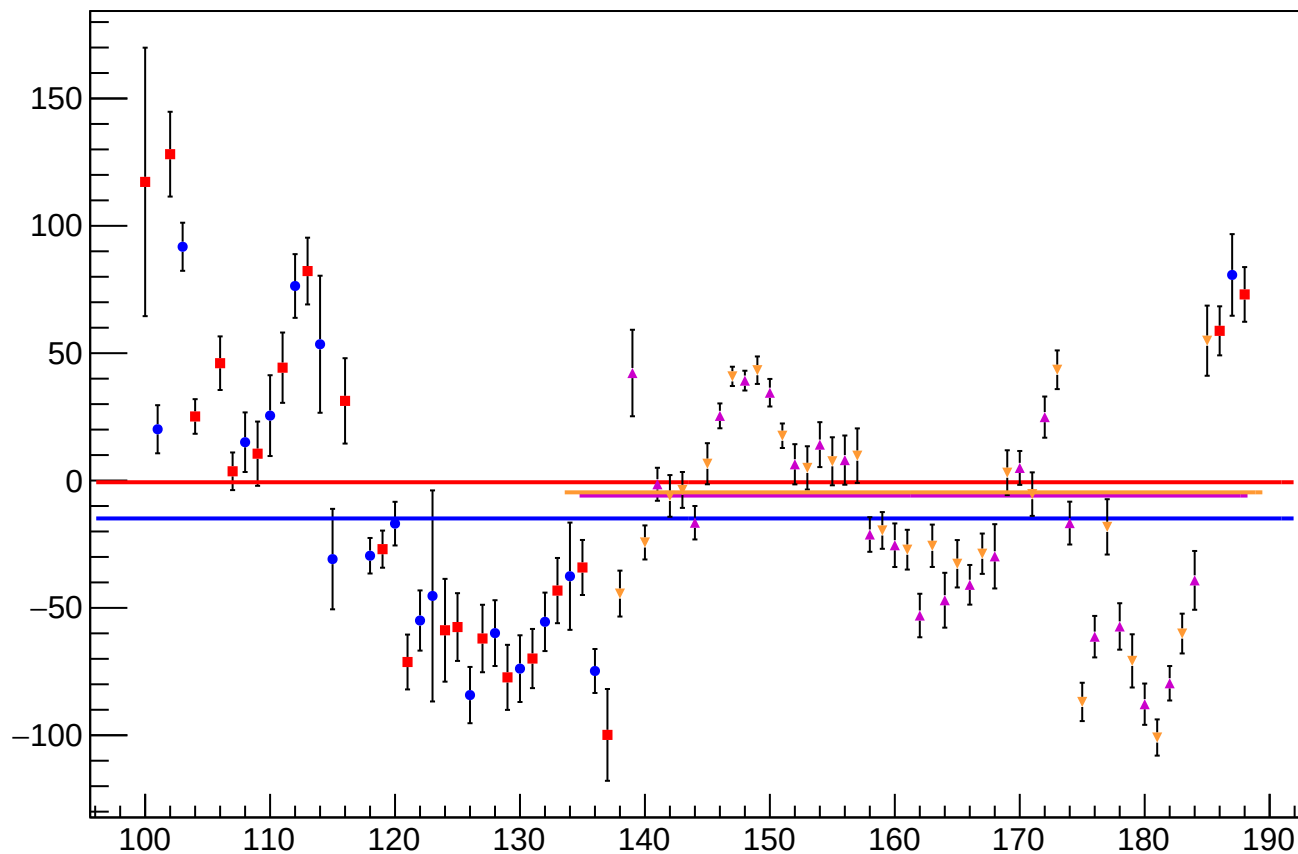
reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -703.210 $\pm$ 9.965 χ^2 /NDF: 0.0/0
 Left Out: -391.476 $\pm$ 1.973 χ^2 /NDF:2708.6/24
 Right Out: -694.661 $\pm$ 5.010 χ^2 /NDF: 124.1/1
 Left In: -393.904 $\pm$ 1.998 χ^2 /NDF:2280.8/22

Left: -392.674 $\pm$ 1.404 χ^2 /NDF: 4990.1/47
 Right: -696.387 $\pm$ 4.476 χ^2 /NDF: 124.7/2
 In: -405.857 $\pm$ 1.959 χ^2 /NDF:3207.1/23
 Out: -432.159 $\pm$ 1.835 χ^2 /NDF:6002.9/26
 All: -419.863 $\pm$ 1.339 χ^2 /NDF: 9306.0/50

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: -0.670 ± 2.455 $\chi^2/\text{NDF}: 466.1/20$

Left In: -5.906 ± 1.513 $\chi^2/\text{NDF}: 657.5/22$

Left: -5.251 ± 1.053 $\chi^2/\text{NDF}: 1429.3/47$

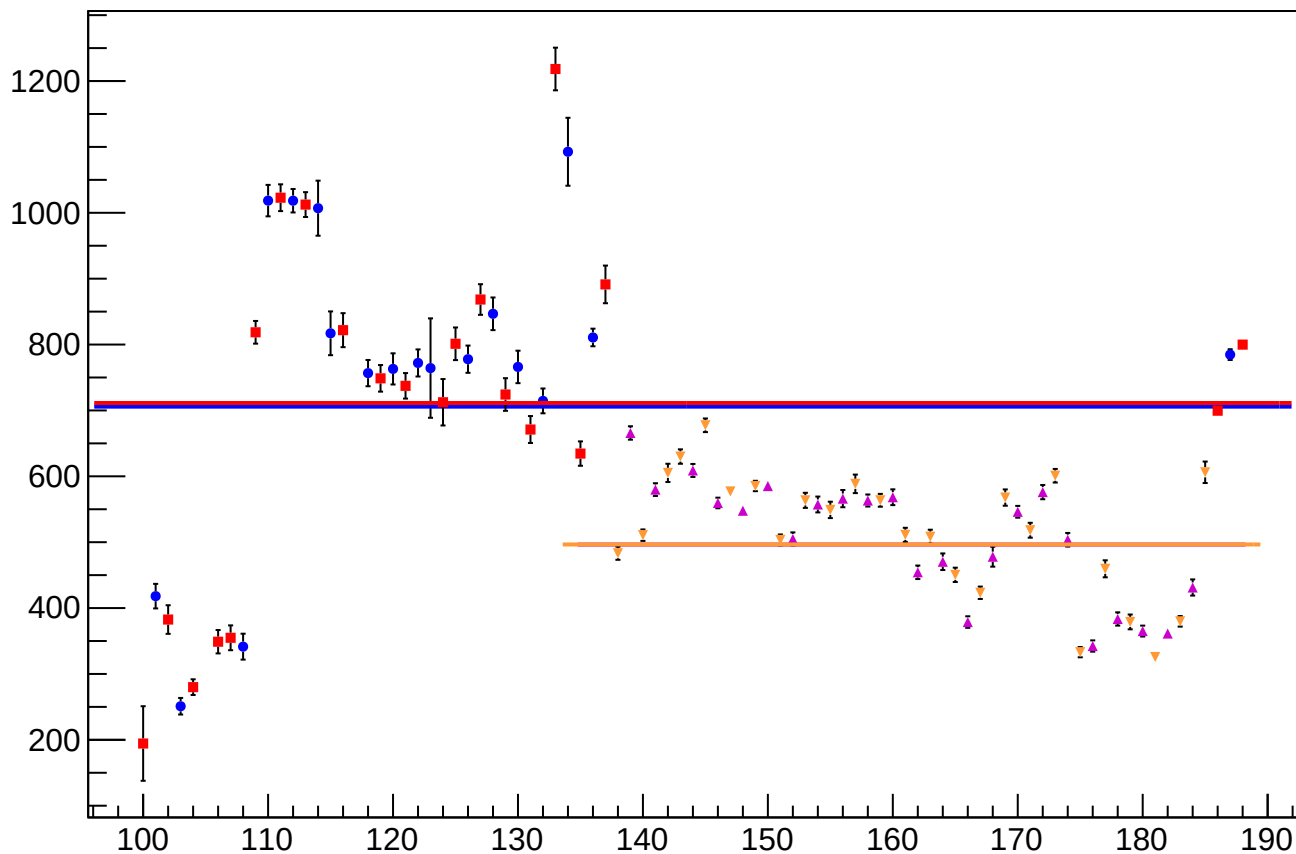
Right: -6.999 ± 1.829 $\chi^2/\text{NDF}: 881.5/38$

In: -8.004 ± 1.325 $\chi^2/\text{NDF}: 1066.3/40$

Out: -3.592 ± 1.260 $\chi^2/\text{NDF}: 1239.4/45$

All: -5.687 ± 0.913 $\chi^2/\text{NDF}: 2311.5/86$

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: 711.298 $\pm$ 3.072 χ^2 /NDF: 3606.1/20

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

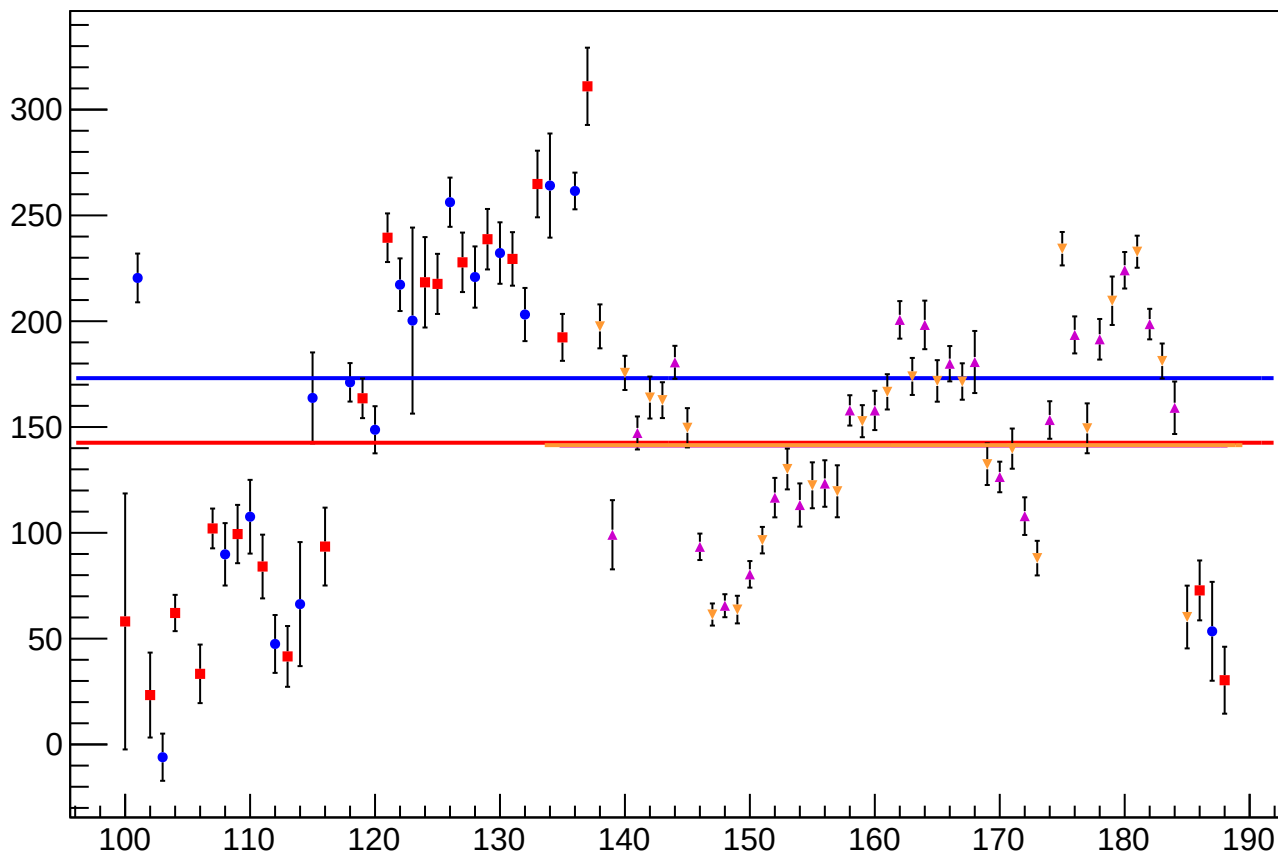
Right: 709.428 $\pm$ 2.498 χ^2 /NDF: 6321.9/38

In: 533.336 $\pm$ 1.802 χ^2 /NDF:6972.8/40

Out: 559.159 $\pm$ 1.659 χ^2 /NDF:9656.8/45

All: 547.311 $\pm$ 1.220 χ^2 /NDF: 16740.7/86

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: 142.574 $\pm$ 2.926 χ^2 /NDF: 773.7/20

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

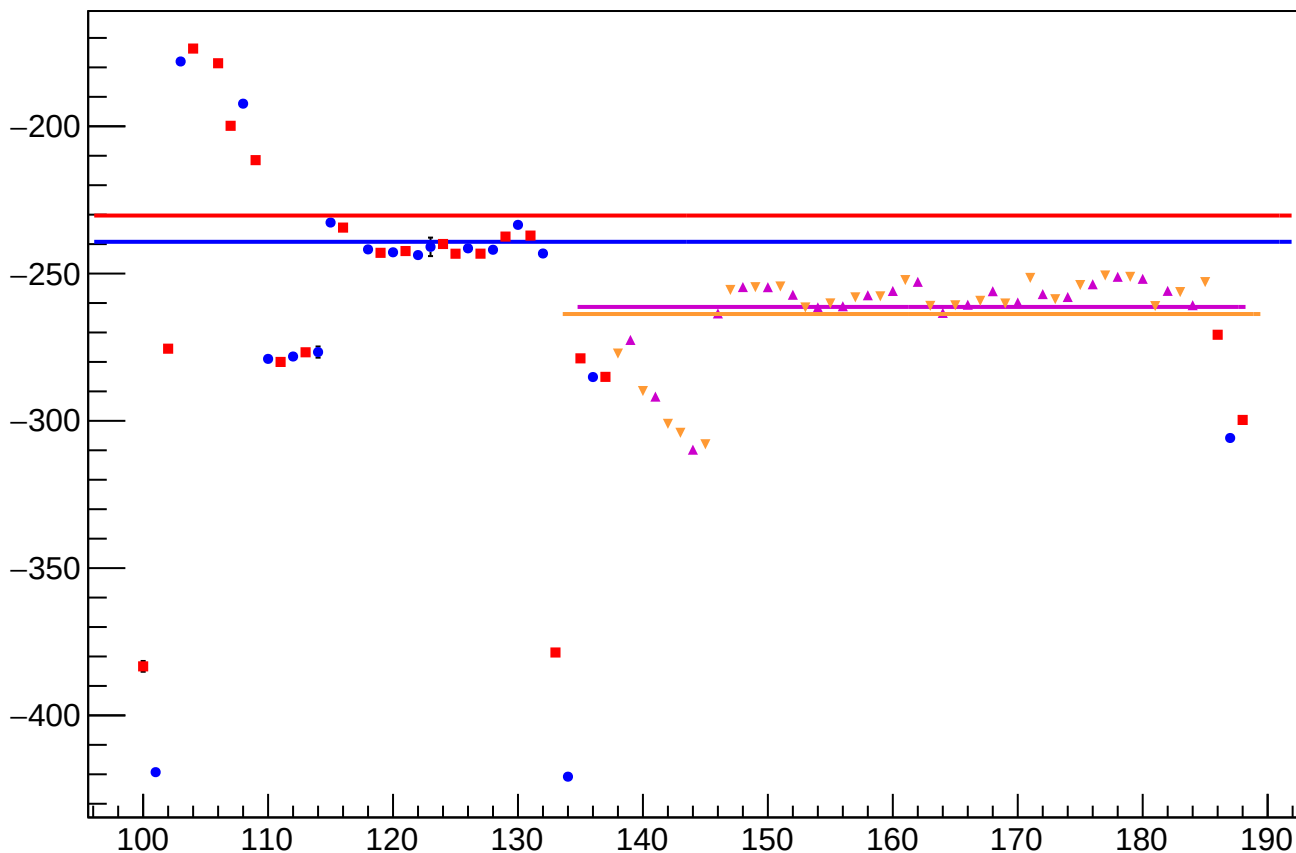
Right: 156.597 $\pm$ 2.151 χ^2 /NDF: 1488.9/38

In: 148.635 $\pm$ 1.528 χ^2 /NDF:1486.7/40

Out: 141.720 $\pm$ 1.473 χ^2 /NDF:1731.6/45

All: 145.049 $\pm$ 1.060 χ^2 /NDF: 3228.9/86

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: -230.299 ± 0.147 χ^2/NDF : 113195.2/20

Left In: -261.325 ± 0.082 χ^2/NDF : 23449.2/22

Left: -262.533 ± 0.058 χ^2/NDF : 61807.4/47

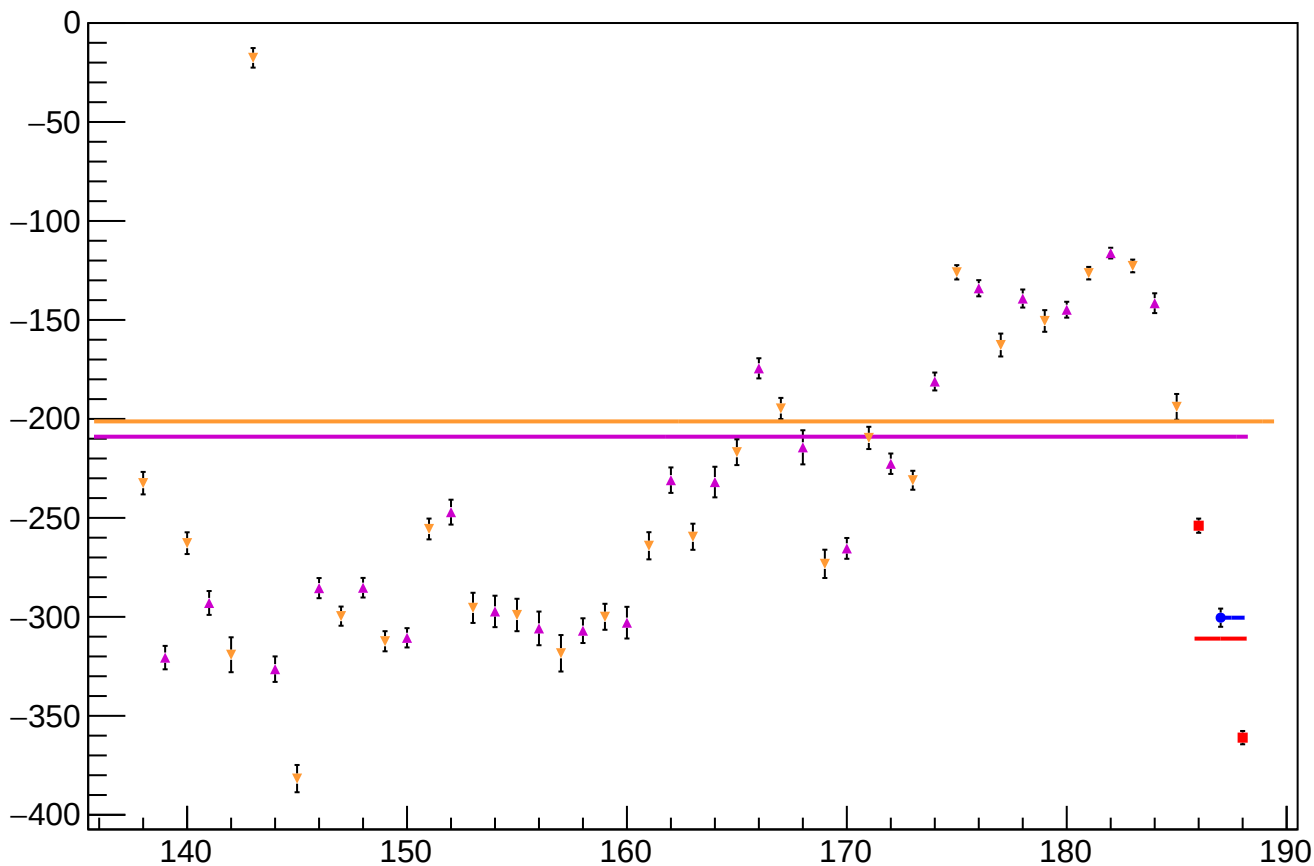
Right: -234.407 ± 0.108 χ^2/NDF : 284585.8/38

In: -256.702 ± 0.073 χ^2/NDF : 208470.9/40

Out: -255.853 ± 0.071 χ^2/NDF : 190819.4/45

All: -256.269 ± 0.051 χ^2/NDF : 399359.9/86

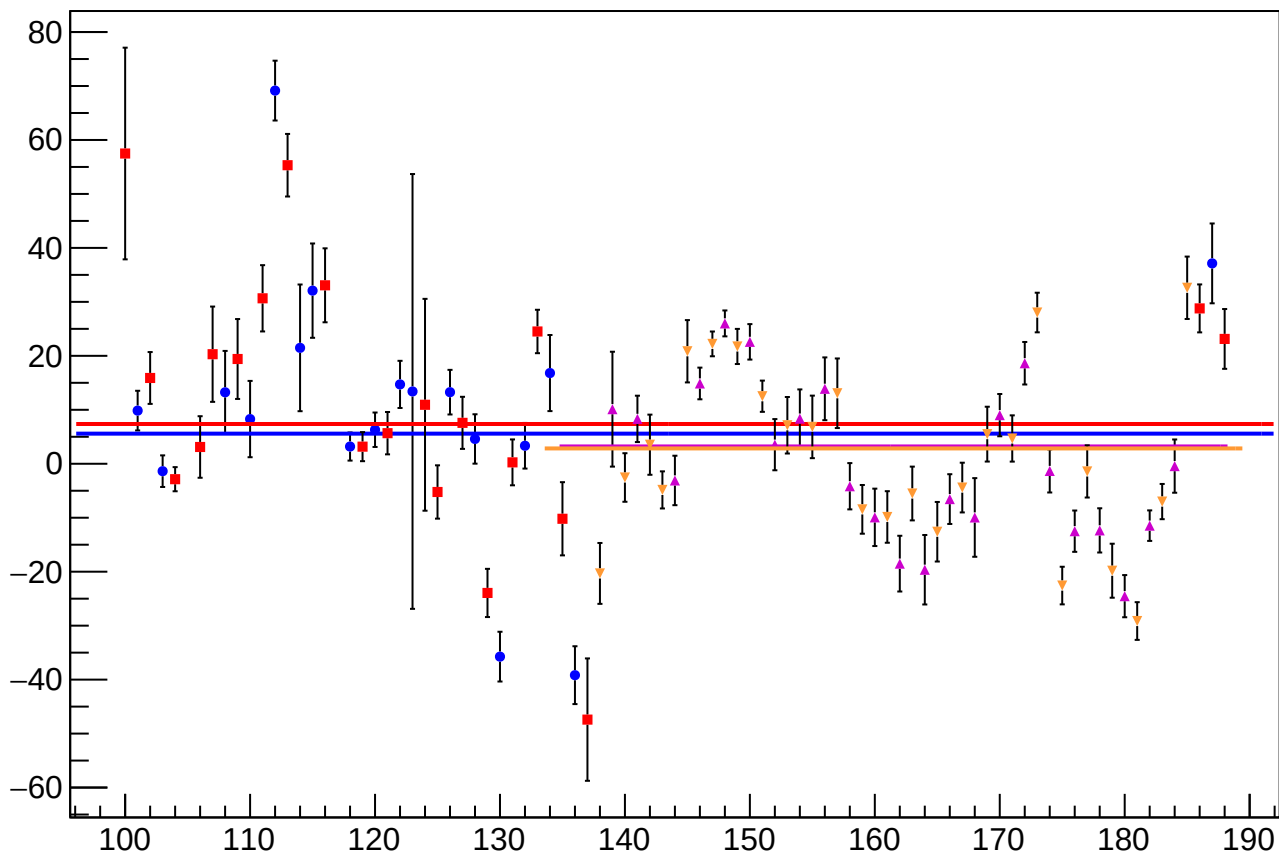
reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -300.418 ± 4.592 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -201.261 ± 1.065 $\chi^2/\text{NDF}: 6110.1/24$
 Right Out: -310.987 ± 2.453 $\chi^2/\text{NDF}: 474.1/1$
 Left In: -208.981 ± 1.078 $\chi^2/\text{NDF}: 4865.2/22$

Left: -205.075 ± 0.758 $\chi^2/\text{NDF}: 11001.2/47$
 Right: -308.640 ± 2.164 $\chi^2/\text{NDF}: 478.2/2$
 In: -213.759 ± 1.050 $\chi^2/\text{NDF}: 5241.1/23$
 Out: -218.671 ± 0.977 $\chi^2/\text{NDF}: 8267.0/26$
 All: -216.390 ± 0.715 $\chi^2/\text{NDF}: 13519.8/50$

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: 7.369 $\pm$ 1.024 χ^2 /NDF: 273.4/20

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

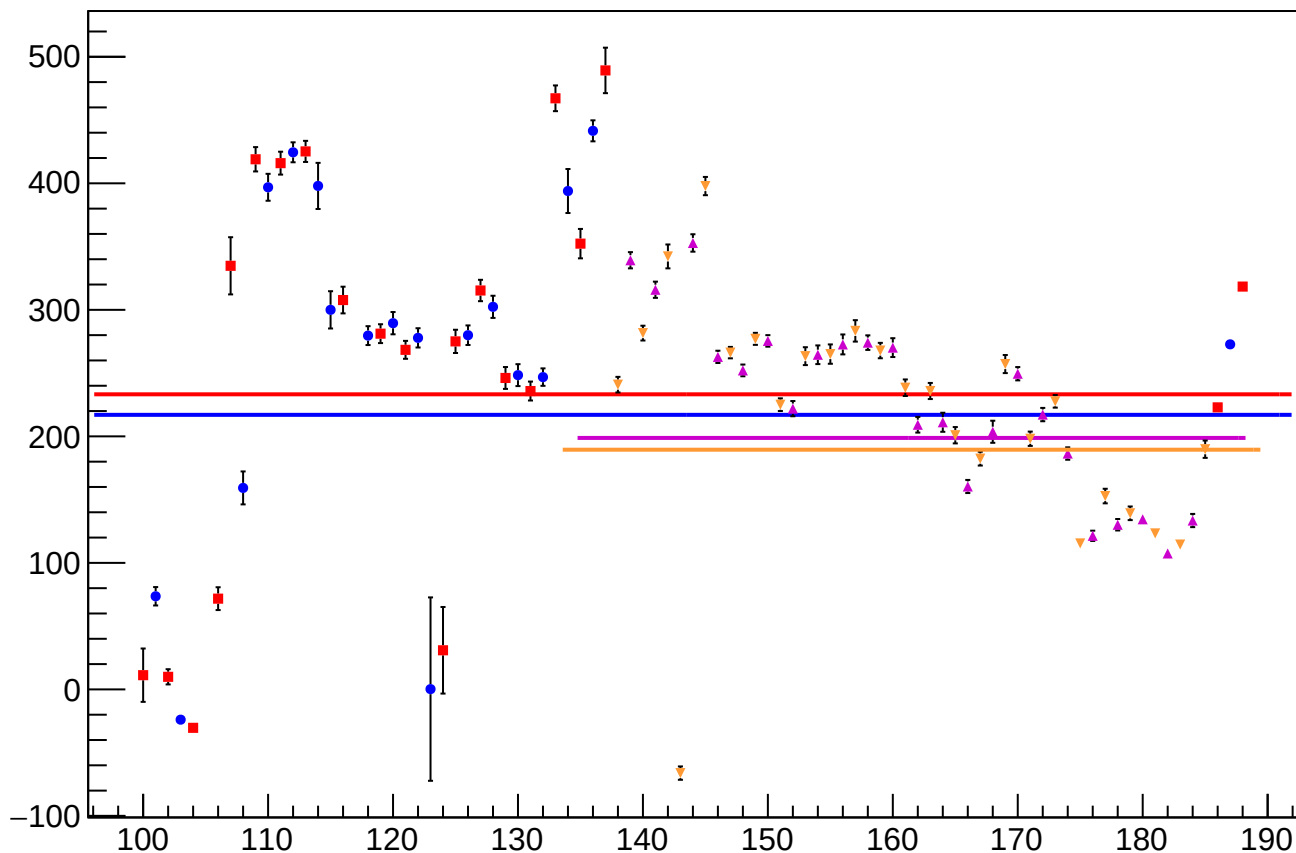
Right: 6.520 $\pm$ 0.742 χ^2 /NDF: 605.4/38

In: 4.124 $\pm$ 0.669 χ^2 /NDF:657.4/40

Out: 4.621 $\pm$ 0.642 χ^2 /NDF:705.9/45

All: 4.383 $\pm$ 0.463 χ^2 /NDF: 1363.5/86

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: 233.233 $\pm$ 1.377 χ^2 /NDF: 9648.4/20

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

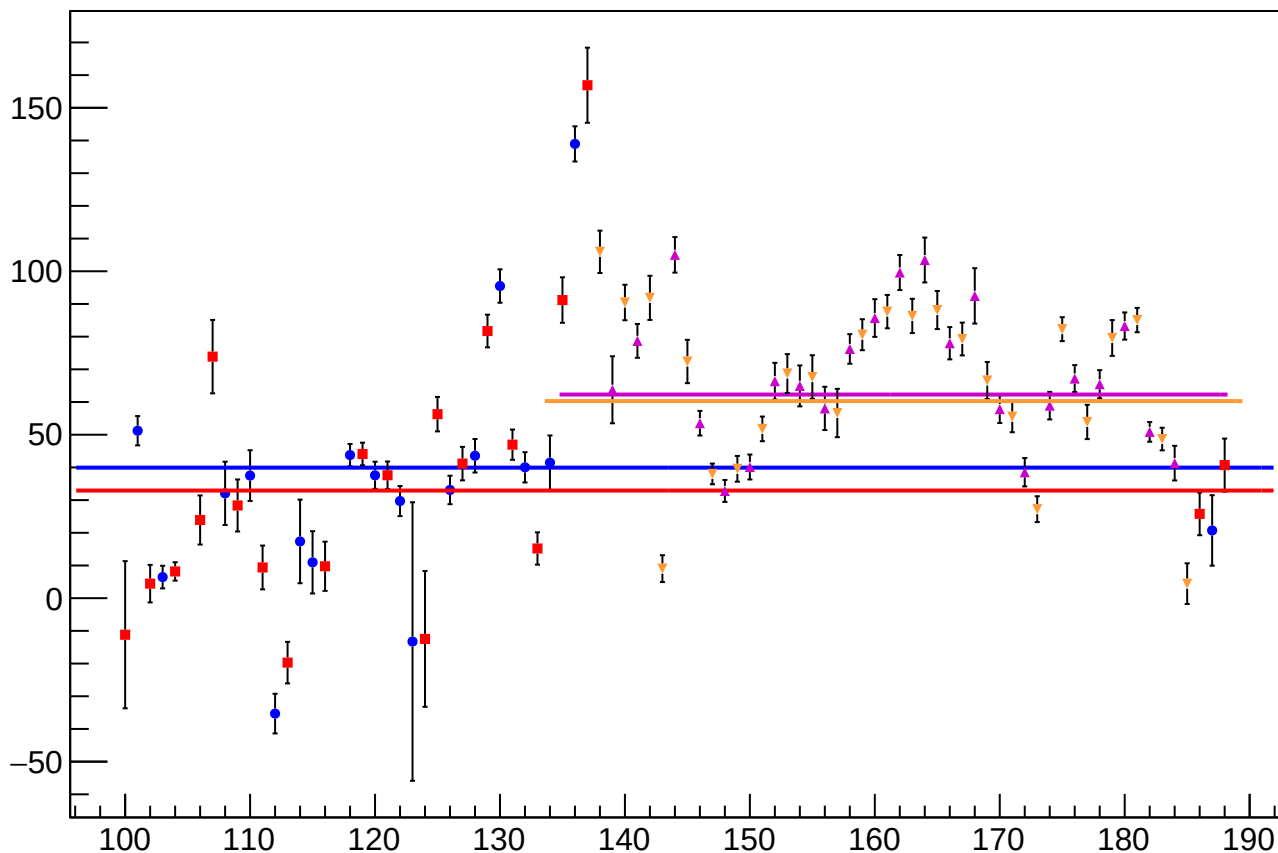
Right: 227.015 $\pm$ 1.081 χ^2 /NDF: 16733.5/38

In: 203.795 $\pm$ 0.917 χ^2 /NDF:11701.0/40

Out: 205.932 $\pm$ 0.845 χ^2 /NDF:16928.5/45

All: 204.951 $\pm$ 0.621 χ^2 /NDF: 28632.4/86

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: 32.922 ± 1.216 $\chi^2/\text{NDF}: 556.2/20$

Left In: 62.290 ± 0.971 $\chi^2/\text{NDF}: 411.6/22$

Left: 61.261 ± 0.677 $\chi^2/\text{NDF}: 1128.6/47$

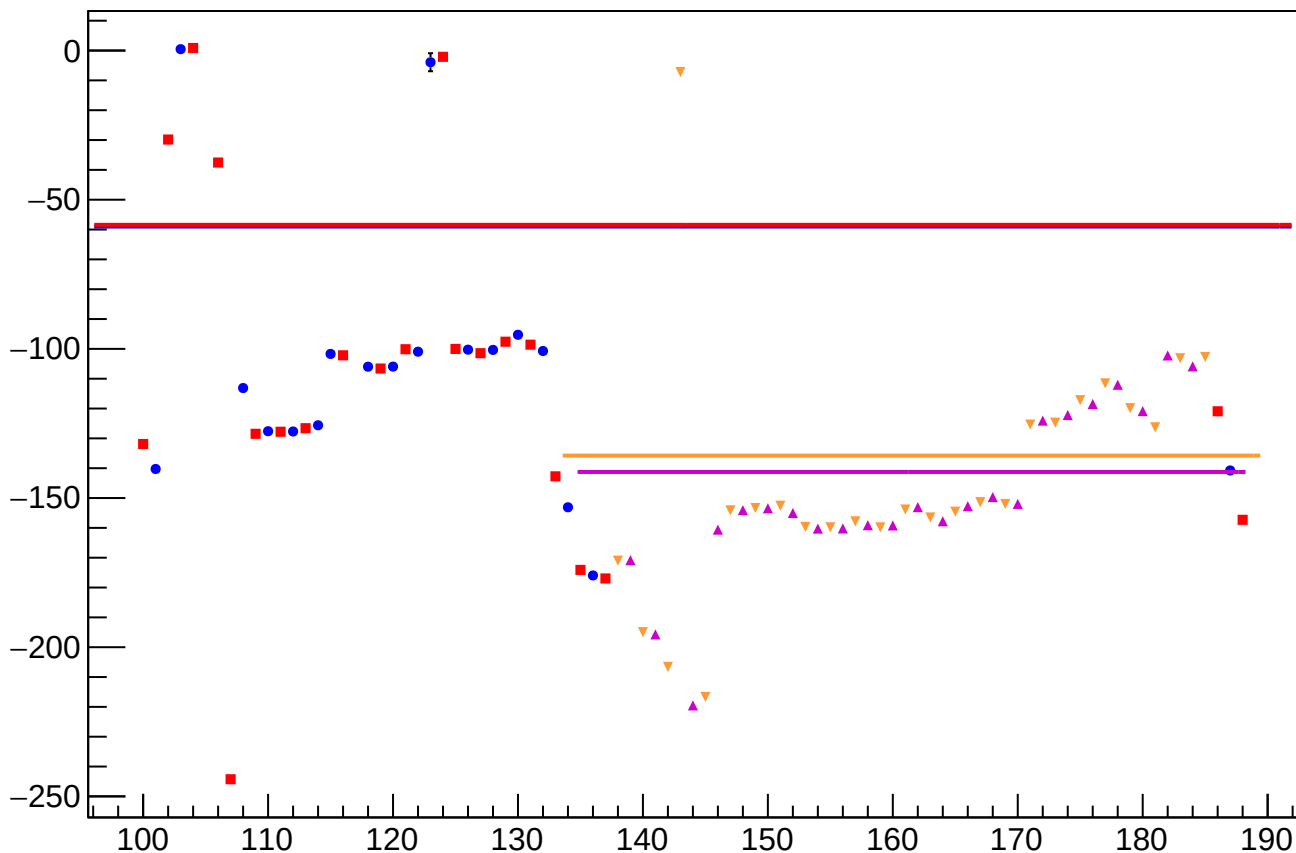
Right: 36.306 ± 0.875 $\chi^2/\text{NDF}: 1310.4/38$

In: 53.947 ± 0.769 $\chi^2/\text{NDF}: 1347.6/40$

Out: 49.985 ± 0.746 $\chi^2/\text{NDF}: 1586.7/45$

All: 51.906 ± 0.536 $\chi^2/\text{NDF}: 2947.9/86$

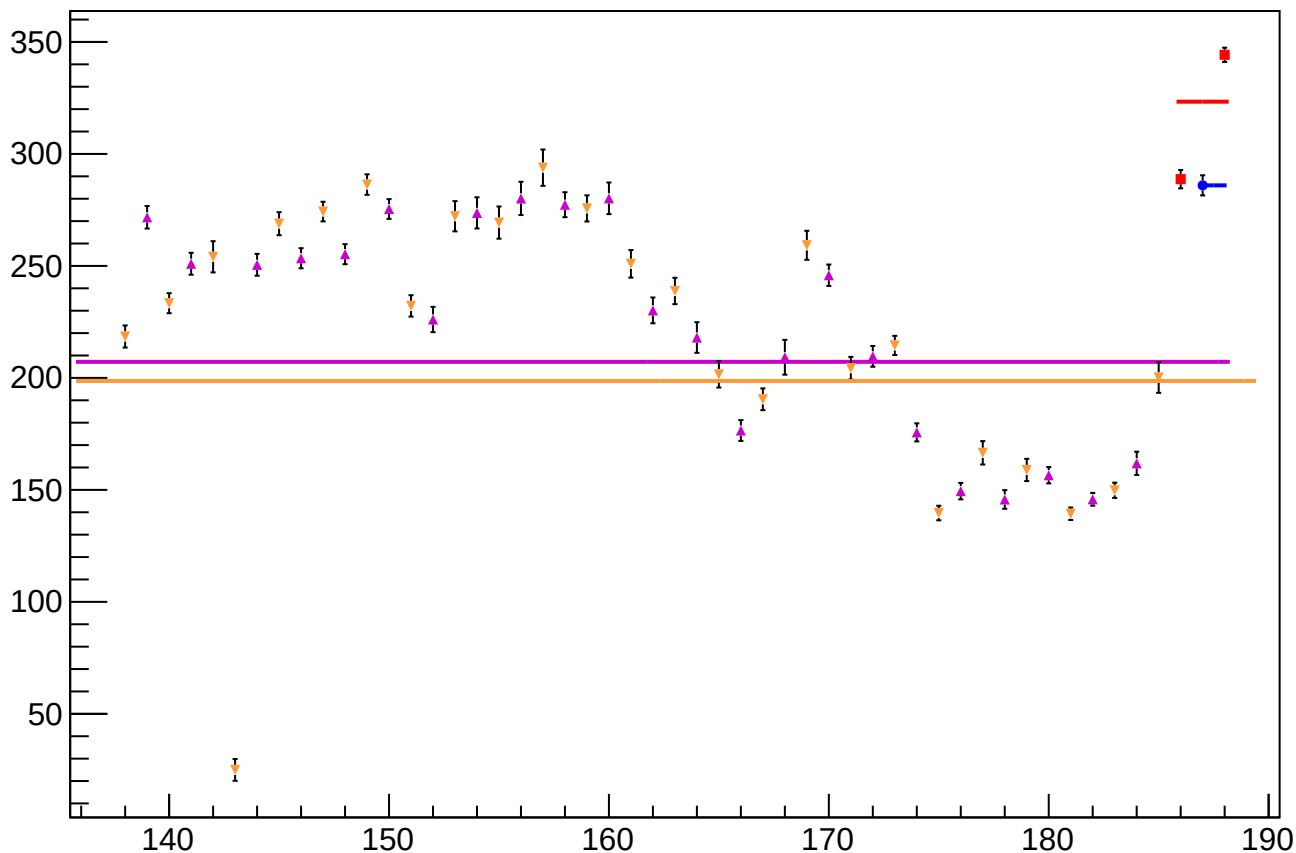
reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -58.425 ± 0.059 $\chi^2/\text{NDF}: 1092373.8/20$
 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: -58.698 ± 0.042 $\chi^2/\text{NDF}: 2216154.1/38$
 In: -112.338 ± 0.036 $\chi^2/\text{NDF}: 2643187.7/40$
 Out: -107.591 ± 0.036 $\chi^2/\text{NDF}: 2926832.6/45$
 All: -109.918 ± 0.025 $\chi^2/\text{NDF}: 5578728.5/86$

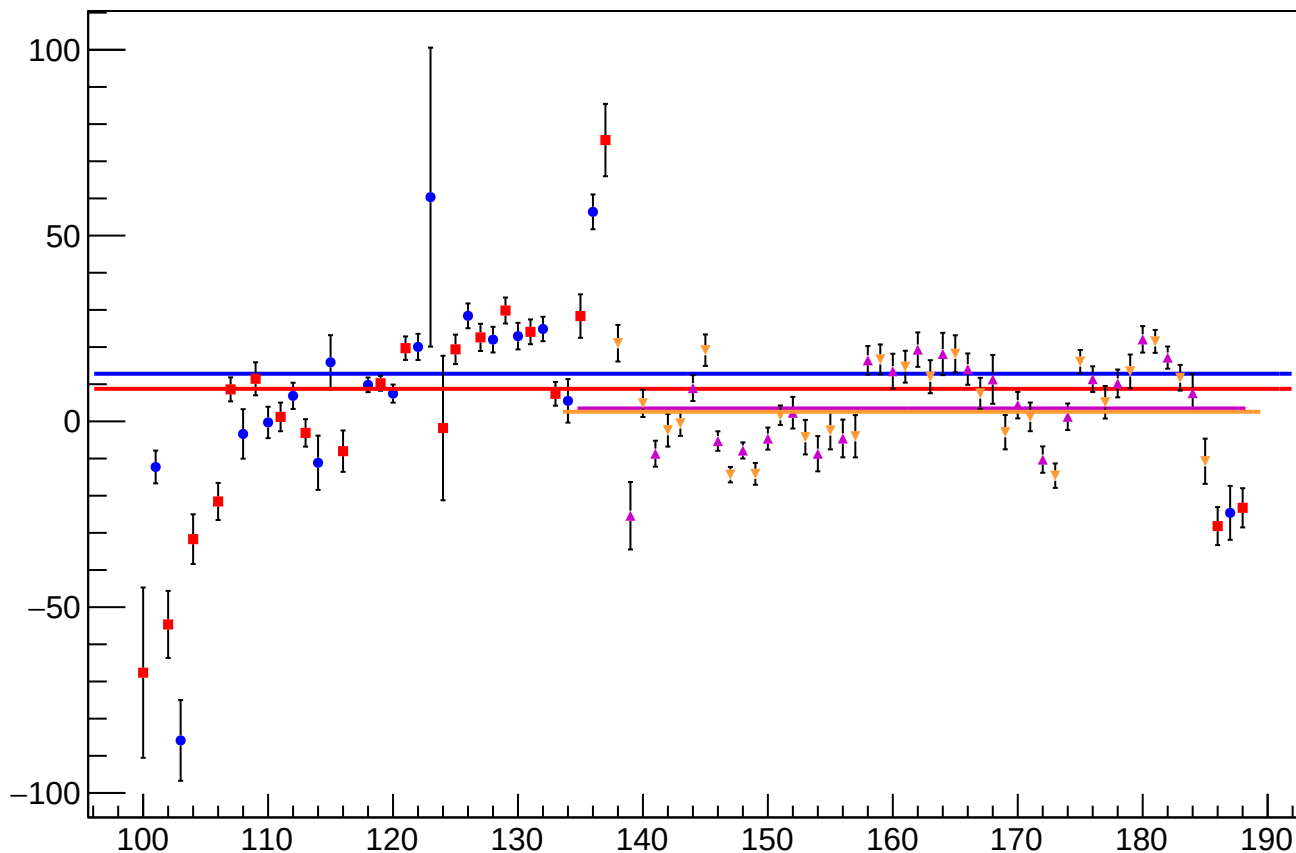
reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 323.332 $\pm$ 2.524 χ^2 /NDF: 113.6/1
 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: 314.388 $\pm$ 2.201 χ^2 /NDF: 166.1/2
 In: 210.784 $\pm$ 0.963 χ^2 /NDF:2924.3/23
 Out: 214.578 $\pm$ 0.902 χ^2 /NDF:6389.7/26
 All: 212.804 $\pm$ 0.658 χ^2 /NDF: 9322.3/50

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.821 ± 0.912 $\chi^2/\text{NDF}: 322.3/17$

Left Out: 2.595 ± 0.744 $\chi^2/\text{NDF}: 274.3/24$

Right Out: 8.759 ± 0.889 $\chi^2/\text{NDF}: 397.0/20$

Left In: 3.478 ± 0.772 $\chi^2/\text{NDF}: 194.7/22$

Left: 3.020 ± 0.536 $\chi^2/\text{NDF}: 469.7/47$

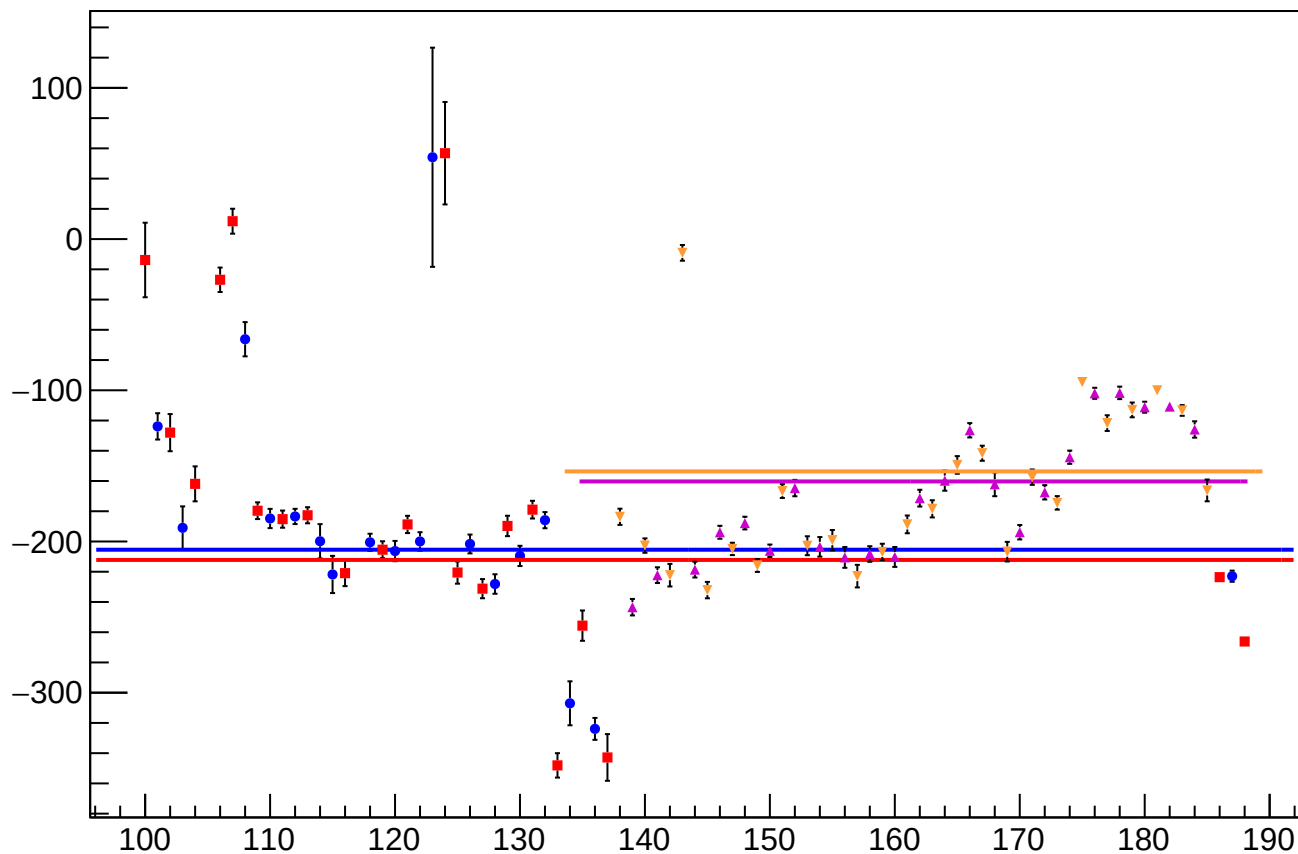
Right: 10.738 ± 0.637 $\chi^2/\text{NDF}: 729.4/38$

In: 7.377 ± 0.589 $\chi^2/\text{NDF}: 578.1/40$

Out: 5.134 ± 0.570 $\chi^2/\text{NDF}: 699.6/45$

All: 6.219 ± 0.410 $\chi^2/\text{NDF}: 1285.2/86$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -205.442 ± 1.603 $\chi^2/\text{NDF}: 651.1/17$

Left Out: -153.649 ± 0.970 $\chi^2/\text{NDF}: 2930.9/24$

Right Out: -212.193 ± 1.303 $\chi^2/\text{NDF}: 2440.3/20$

Left In: -160.279 ± 0.985 $\chi^2/\text{NDF}: 2049.4/22$

Left: -156.913 ± 0.691 $\chi^2/\text{NDF}: 5003.3/47$

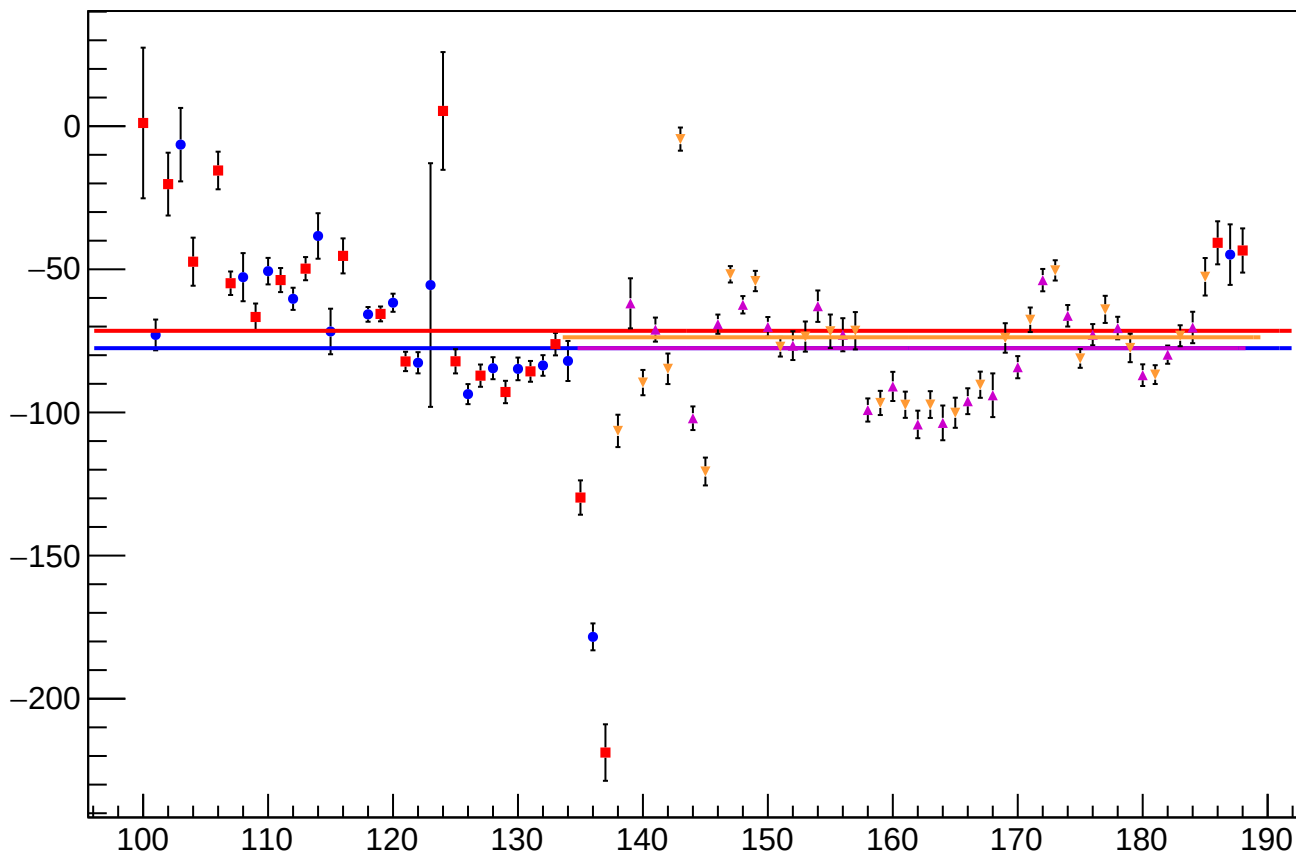
Right: -209.507 ± 1.011 $\chi^2/\text{NDF}: 3102.2/38$

In: -172.652 ± 0.839 $\chi^2/\text{NDF}: 3276.6/40$

Out: -174.514 ± 0.778 $\chi^2/\text{NDF}: 6669.8/45$

All: -173.653 ± 0.571 $\chi^2/\text{NDF}: 9949.1/86$

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: -71.485 ± 1.034 $\chi^2/\text{NDF}: 637.9/20$

Left In: -77.545 ± 0.880 $\chi^2/\text{NDF}: 252.7/22$

Left: -75.587 ± 0.613 $\chi^2/\text{NDF}: 990.6/47$

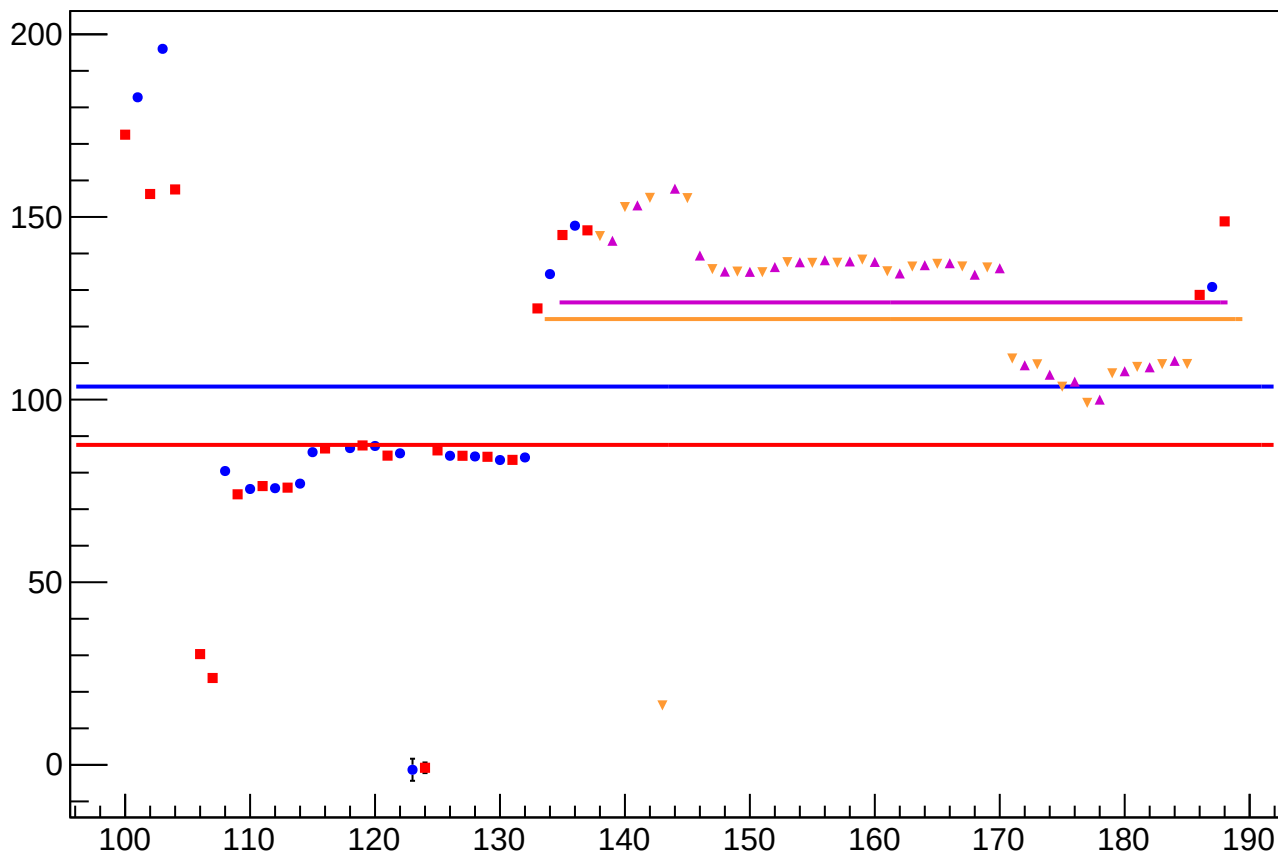
Right: -74.440 ± 0.740 $\chi^2/\text{NDF}: 1322.5/38$

In: -77.545 ± 0.677 $\chi^2/\text{NDF}: 920.6/40$

Out: -72.826 ± 0.659 $\chi^2/\text{NDF}: 1369.1/45$

All: -75.121 ± 0.472 $\chi^2/\text{NDF}: 2314.6/86$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.569+/-0.070 χ^2/NDF : 275715.4/17

Left Out: 122.046+/-0.040 χ^2/NDF : 437985.3/24

Right Out: 87.600+/-0.062 χ^2/NDF : 459427.9/20

Left In: 126.605+/-0.041 χ^2/NDF : 164757.9/22

Left: 124.300+/-0.029 χ^2/NDF : 609027.6/47

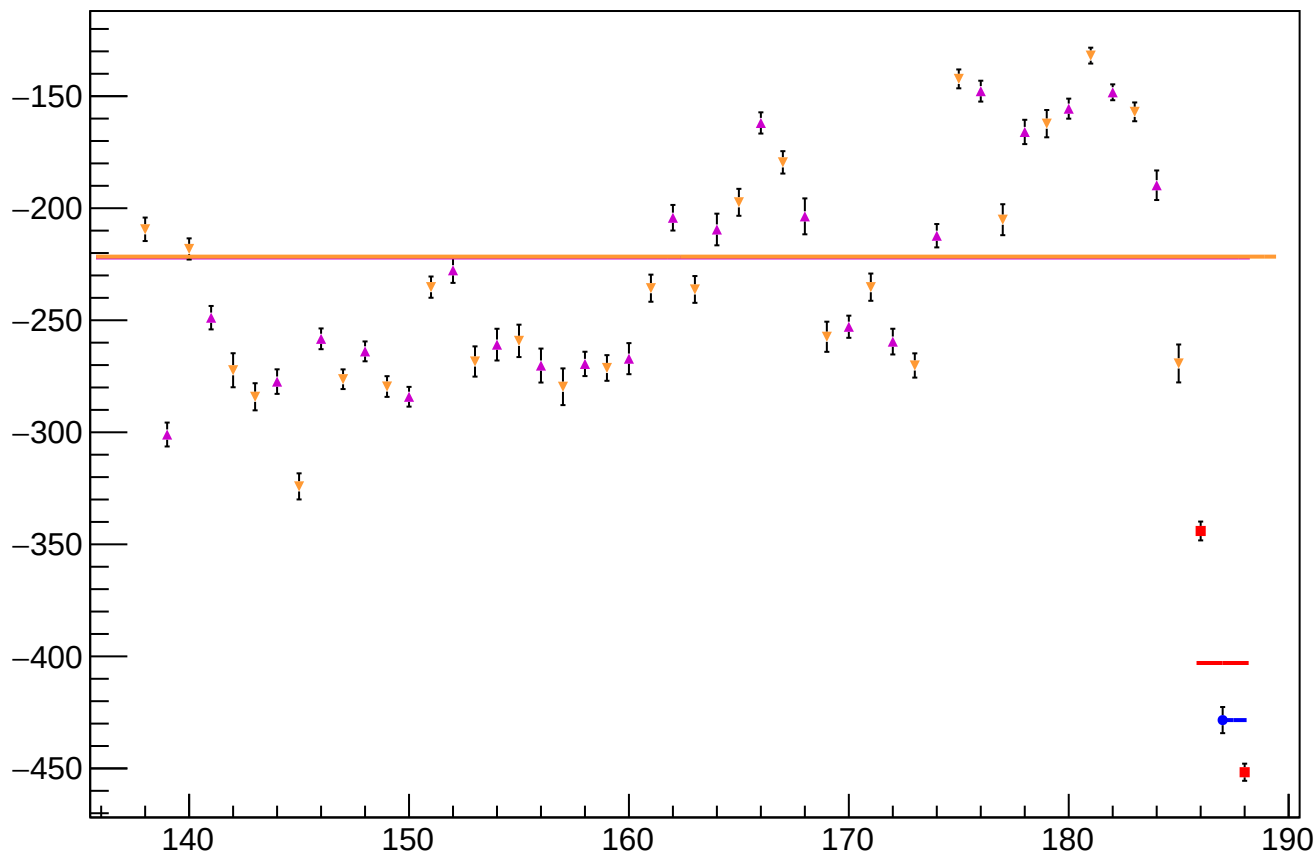
Right: 94.679+/-0.047 χ^2/NDF : 764240.9/38

In: 120.725+/-0.035 χ^2/NDF : 521479.3/40

Out: 111.845+/-0.034 χ^2/NDF : 1112379.0/45

All: 116.110+/-0.024 χ^2/NDF : 1666774.2/86

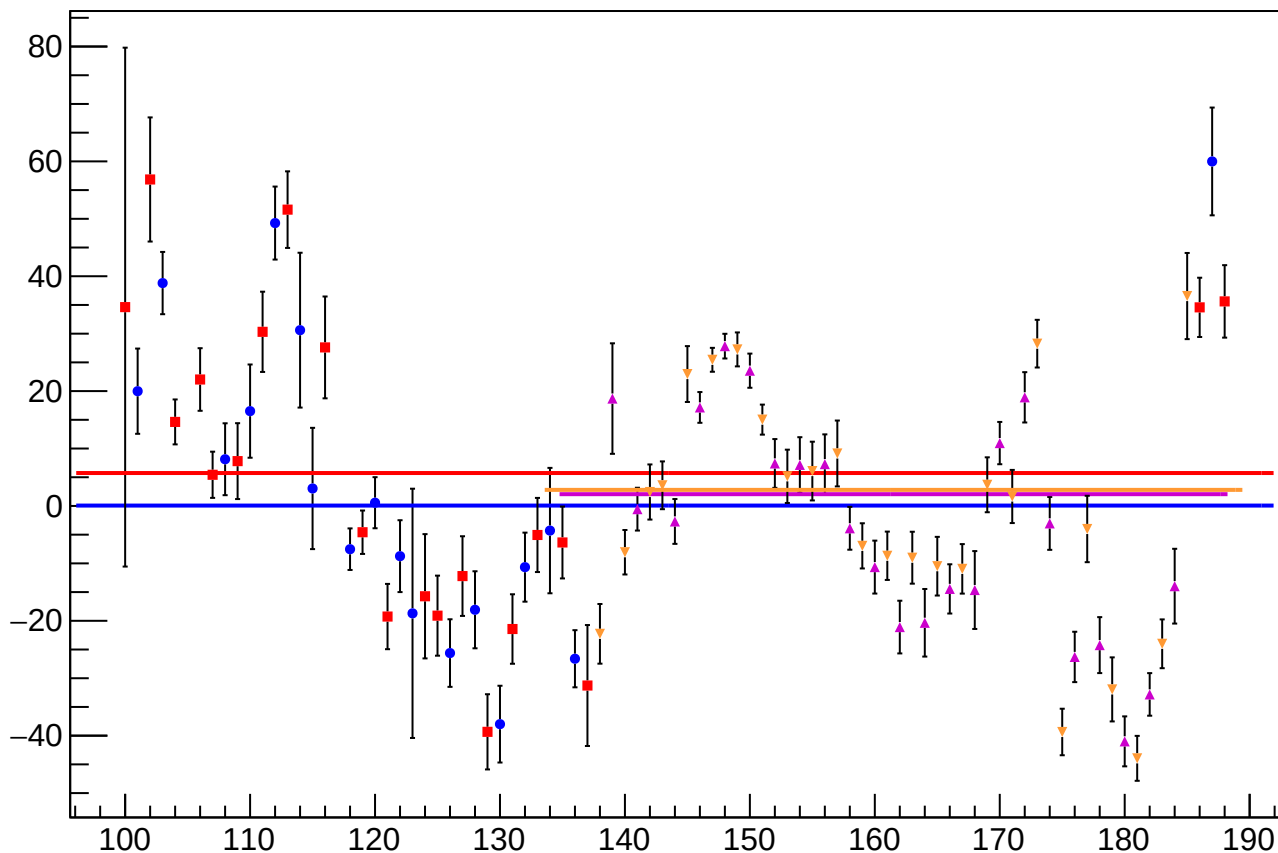
reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -402.953 ± 2.829 χ^2/NDF : 358.9/1
 Left In: -221.980 ± 1.098 χ^2/NDF : 2190.6/22

Left: -221.791 ± 0.773 χ^2/NDF : 4756.5/47
 Right: -407.806 ± 2.545 χ^2/NDF : 374.4/2
 In: -229.049 ± 1.079 χ^2/NDF : 3400.9/23
 Out: -244.949 ± 1.015 χ^2/NDF : 6505.7/26
 All: -237.487 ± 0.739 χ^2/NDF : 10021.8/50

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.067 ± 1.494 $\chi^2/\text{NDF}: 267.9/17$

Left Out: 2.800 ± 0.810 $\chi^2/\text{NDF}: 685.5/24$

Right Out: 5.733 ± 1.323 $\chi^2/\text{NDF}: 292.9/20$

Left In: 2.050 ± 0.833 $\chi^2/\text{NDF}: 592.6/22$

Left: 2.436 ± 0.581 $\chi^2/\text{NDF}: 1278.5/47$

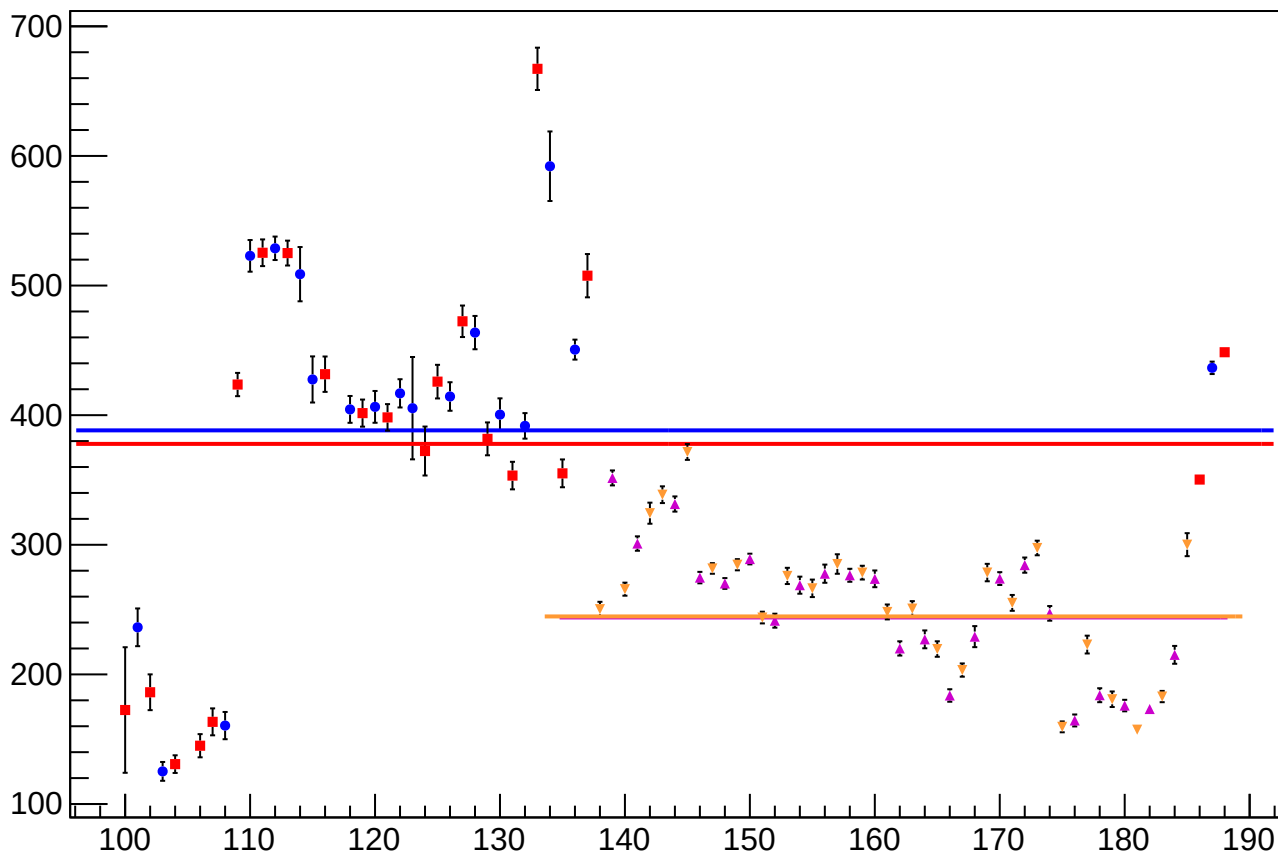
Right: 3.242 ± 0.991 $\chi^2/\text{NDF}: 568.9/38$

In: 1.579 ± 0.728 $\chi^2/\text{NDF}: 861.9/40$

Out: 3.599 ± 0.691 $\chi^2/\text{NDF}: 982.0/45$

All: 2.642 ± 0.501 $\chi^2/\text{NDF}: 1848.0/86$

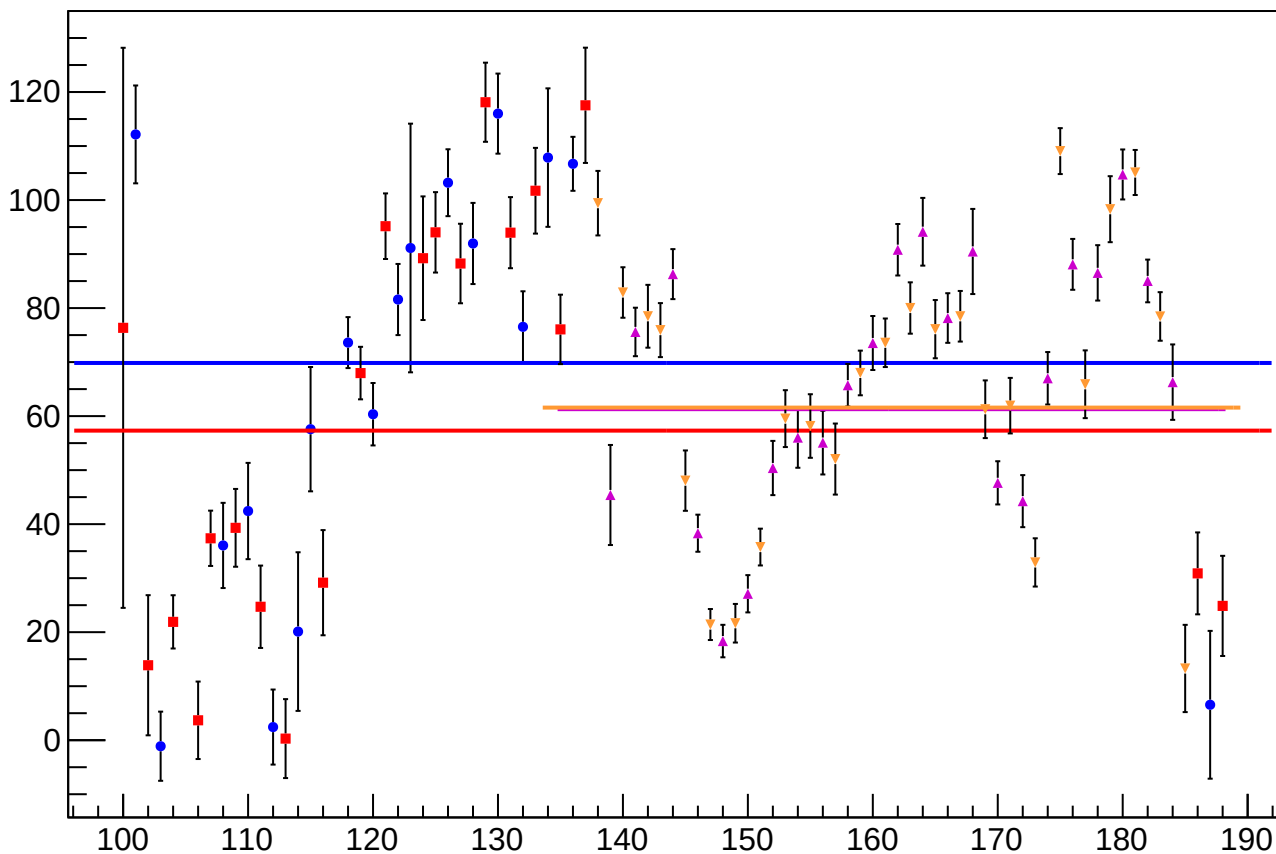
reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 377.840 $\pm$ 1.699 χ^2 /NDF: 4172.2/20
 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: 381.341 $\pm$ 1.385 χ^2 /NDF: 6753.1/38
 In: 268.769 $\pm$ 0.992 χ^2 /NDF:7879.9/40
 Out: 283.248 $\pm$ 0.914 χ^2 /NDF:11099.1/45
 All: 276.598 $\pm$ 0.672 χ^2 /NDF: 19094.3/86

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: 57.314 $\pm$ 1.573 χ^2 /NDF: 517.1/20

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

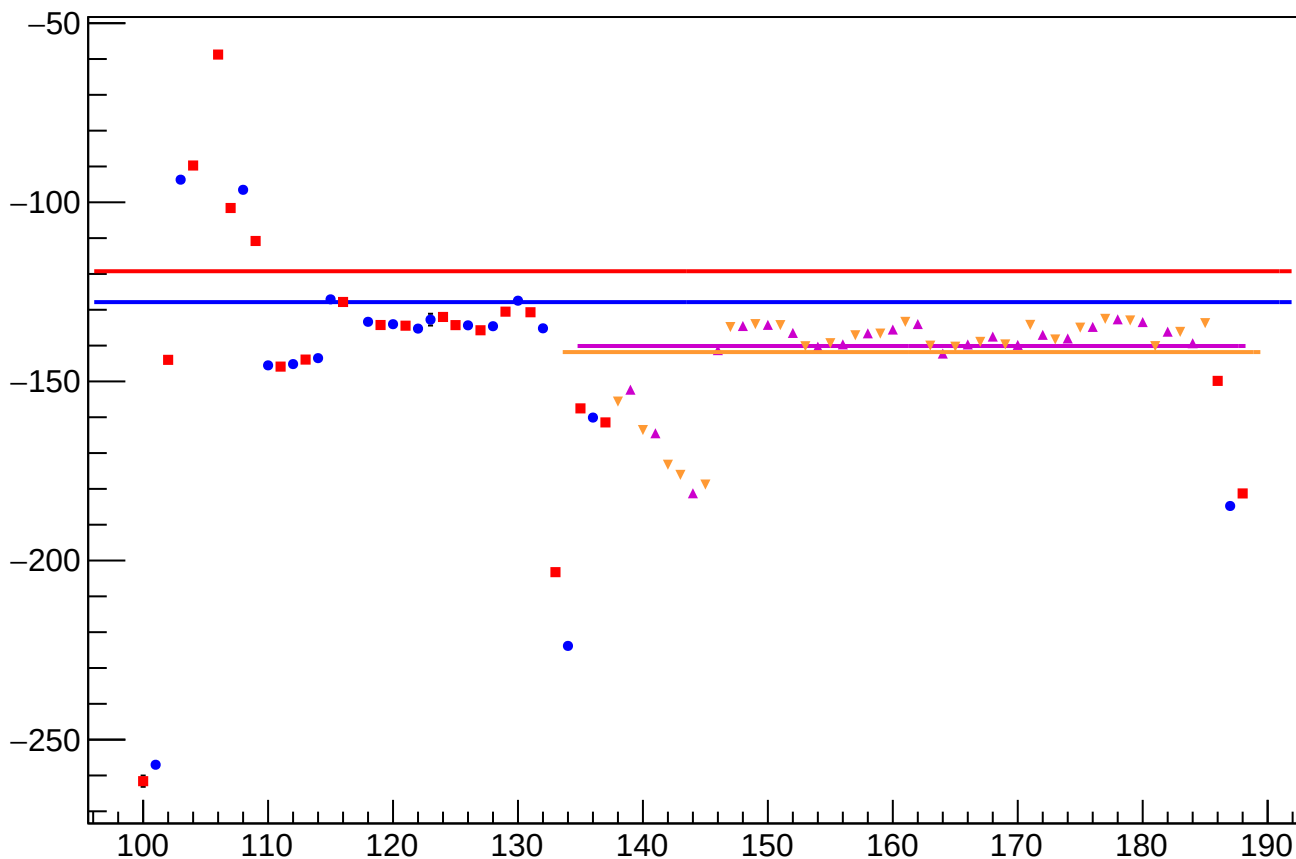
Right: 62.988 $\pm$ 1.164 χ^2 /NDF: 994.6/38

In: 63.298 $\pm$ 0.838 χ^2 /NDF: 1170.2/40

Out: 60.456 $\pm$ 0.806 χ^2 /NDF: 1392.8/45

All: 61.821 $\pm$ 0.581 χ^2 /NDF: 2569.0/86

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.863 ± 0.089 $\chi^2/\text{NDF}: 172531.2/17$

Left Out: -141.811 ± 0.045 $\chi^2/\text{NDF}: 77727.6/24$

Right Out: -119.242 ± 0.081 $\chi^2/\text{NDF}: 191472.2/20$

Left In: -140.112 ± 0.045 $\chi^2/\text{NDF}: 48400.6/22$

Left: -140.962 ± 0.032 $\chi^2/\text{NDF}: 126846.5/47$

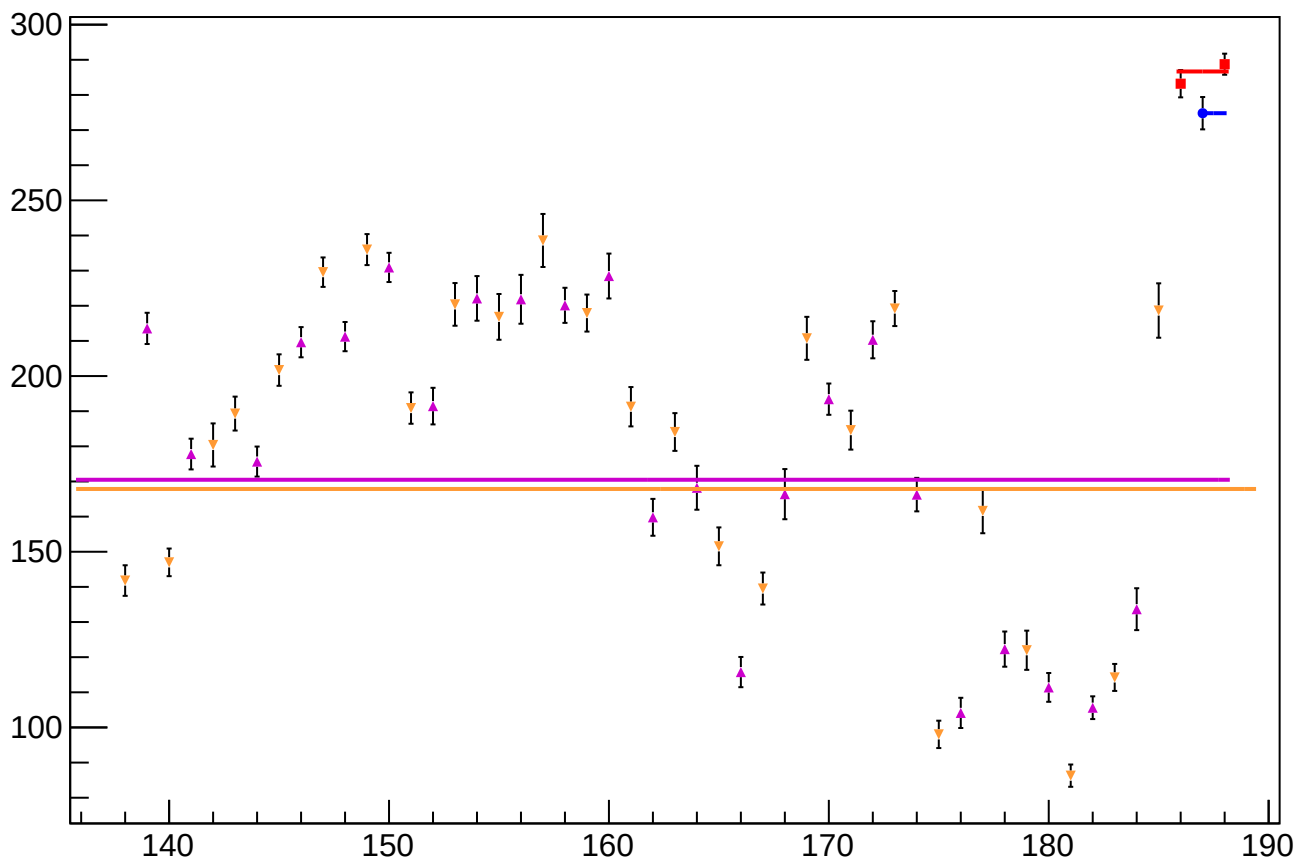
Right: -123.135 ± 0.060 $\chi^2/\text{NDF}: 369167.2/38$

In: -137.626 ± 0.040 $\chi^2/\text{NDF}: 236083.1/40$

Out: -136.484 ± 0.039 $\chi^2/\text{NDF}: 329076.9/45$

All: -137.043 ± 0.028 $\chi^2/\text{NDF}: 565575.7/86$

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: 286.676 $\pm$ 2.374 χ^2 /NDF: 1.3/1

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

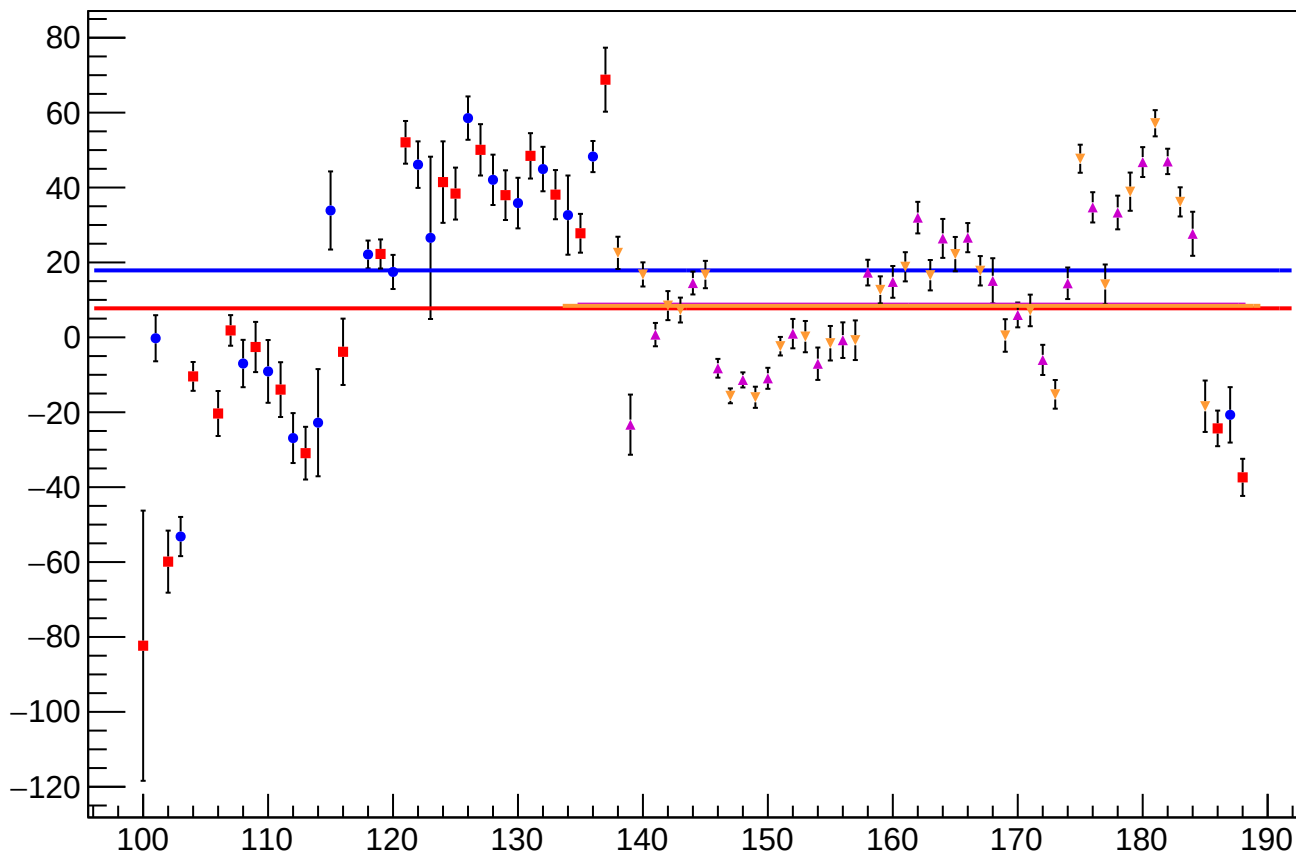
Right: 284.181 $\pm$ 2.110 χ^2 /NDF: 6.5/2

In: 175.112 $\pm$ 0.969 χ^2 /NDF:2527.6/23

Out: 184.973 $\pm$ 0.901 χ^2 /NDF:4611.3/26

All: 180.402 $\pm$ 0.660 χ^2 /NDF: 7194.4/50

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: 7.745 $\pm$ 1.290 χ^2 /NDF: 585.5/20

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

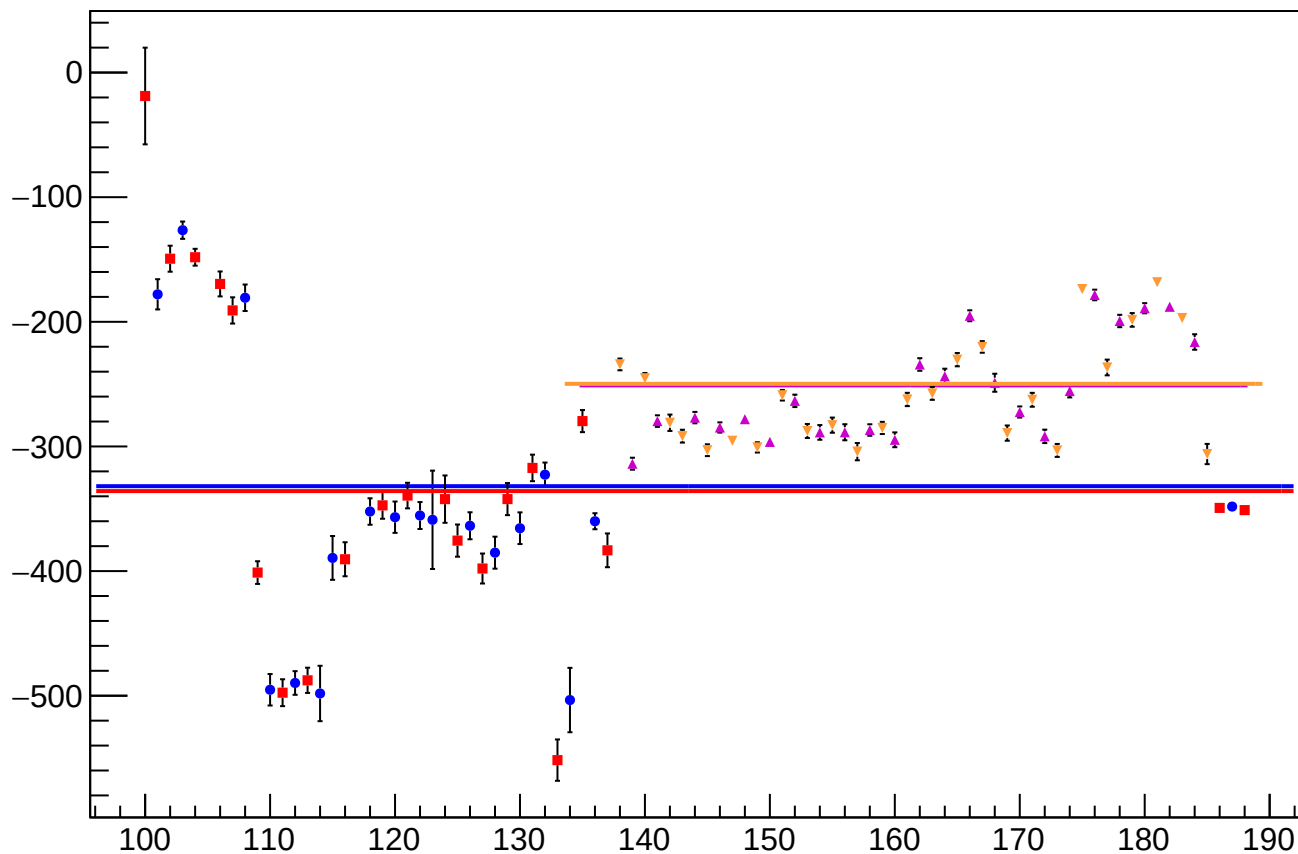
Right: 12.216 $\pm$ 0.964 χ^2 /NDF: 1082.1/38

In: 10.685 $\pm$ 0.671 χ^2 /NDF: 1130.7/40

Out: 8.252 $\pm$ 0.636 χ^2 /NDF: 1336.3/45

All: 9.403 $\pm$ 0.462 χ^2 /NDF: 2473.8/86

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.876+/-2.180 χ^2/NDF : 1878.8/17

Left Out: -249.759+/-0.975 χ^2/NDF : 2232.5/24

Right Out: -335.805+/-1.521 χ^2/NDF : 2461.7/20

Left In: -251.002+/-0.987 χ^2/NDF : 1958.3/22

Left: -250.374+/-0.694 χ^2/NDF : 4191.7/47

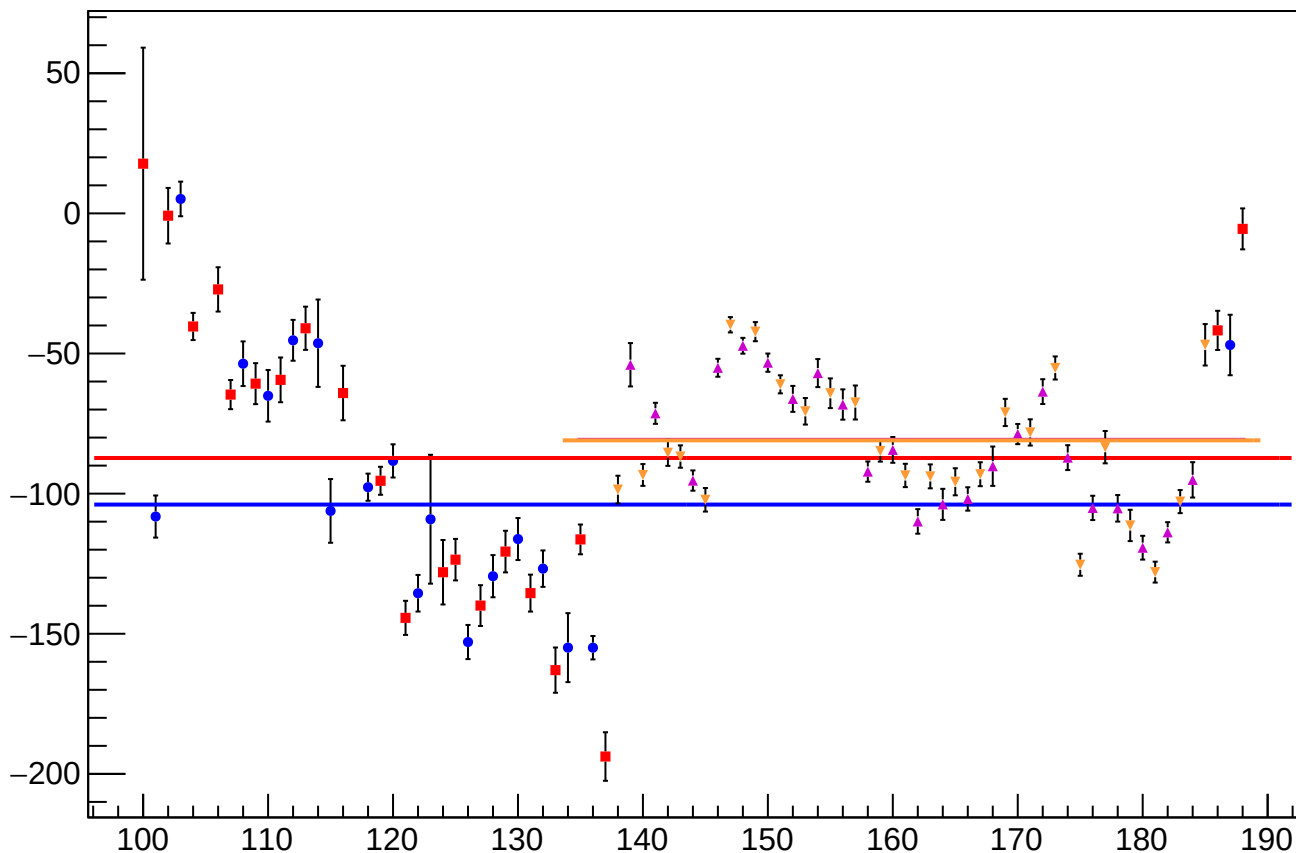
Right: -334.518+/-1.247 χ^2/NDF : 4342.7/38

In: -264.758+/-0.899 χ^2/NDF : 4979.7/40

Out: -274.832+/-0.821 χ^2/NDF : 6962.9/45

All: -270.251+/-0.606 χ^2/NDF : 12011.1/86

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: -87.281 ± 1.535 χ^2/NDF : 1009.9/20

Left In: -80.803 ± 0.870 χ^2/NDF : 695.4/22

Left: -80.895 ± 0.606 χ^2/NDF : 1606.6/47

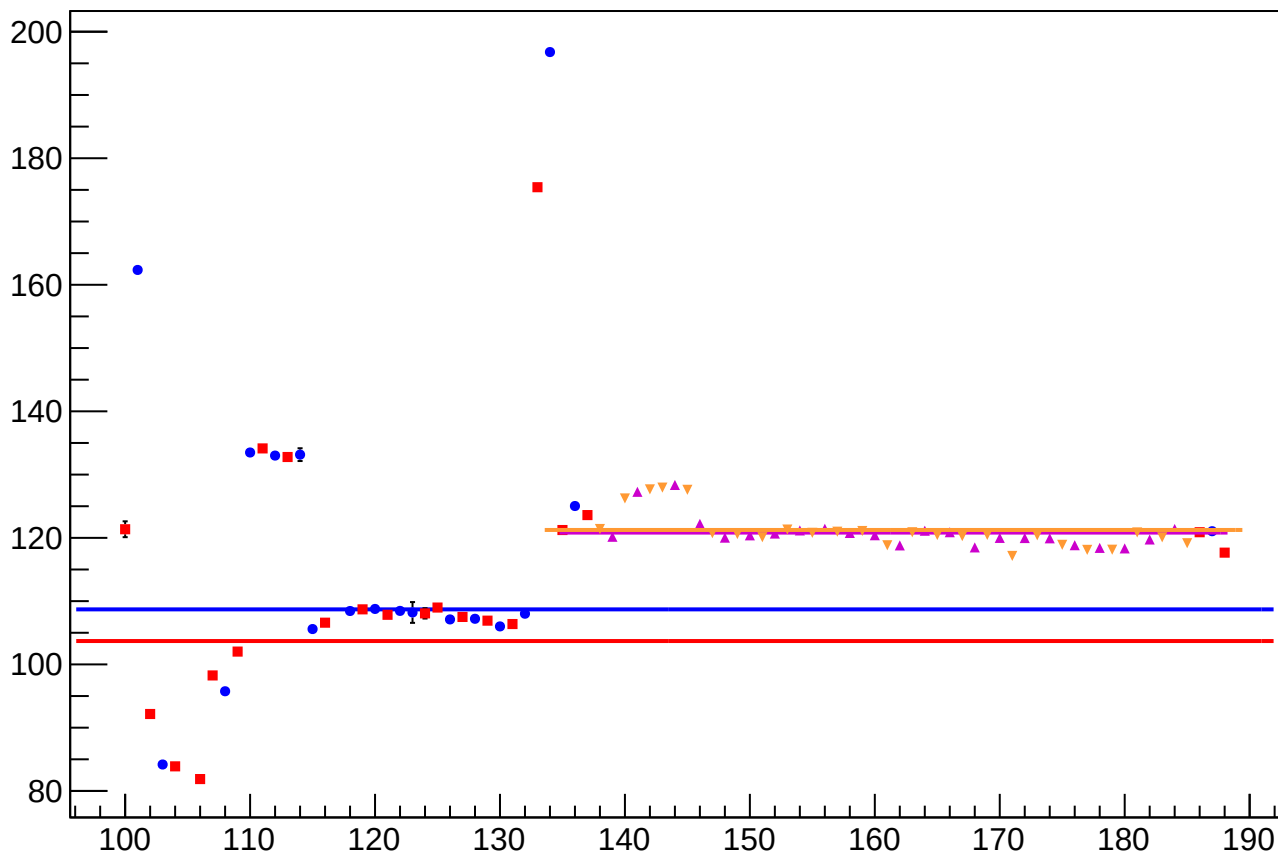
Right: -94.882 ± 1.131 χ^2/NDF : 1829.6/38

In: -85.719 ± 0.772 χ^2/NDF : 1611.6/40

Out: -82.449 ± 0.741 χ^2/NDF : 1934.1/45

All: -84.018 ± 0.534 χ^2/NDF : 3555.0/86

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: 103.694 $\pm$ 0.077 χ^2 /NDF: 56048.0/20

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

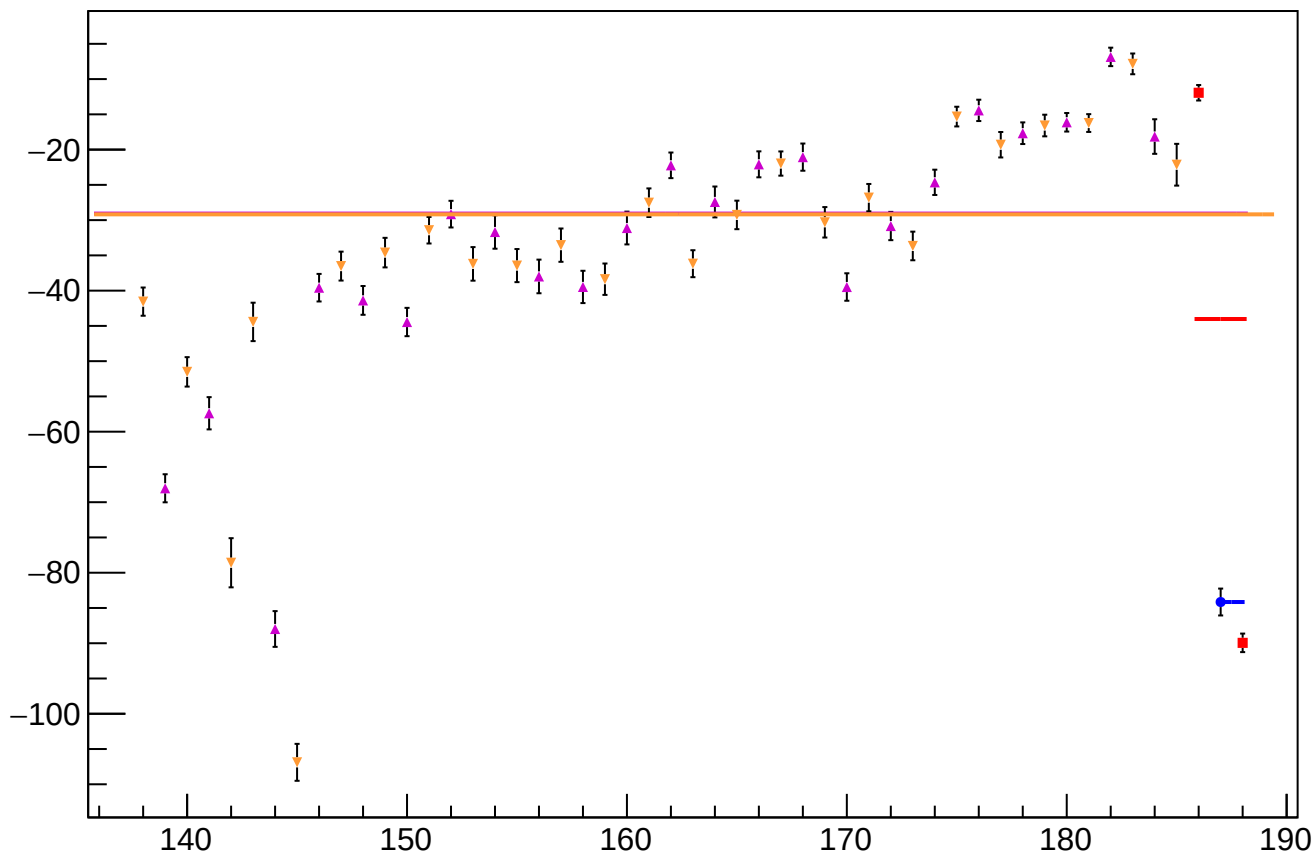
Right: 105.969 $\pm$ 0.057 χ^2 /NDF: 131703.1/38

In: 118.540 $\pm$ 0.036 χ^2 /NDF: 94052.9/40

Out: 117.458 $\pm$ 0.036 χ^2 /NDF: 101997.1/45

All: 117.986 $\pm$ 0.025 χ^2 /NDF: 196500.3/86

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: -44.022+/-0.842 χ^2/NDF : 2075.9/1

Left In: -29.073+/-0.394 χ^2/NDF :1872.4/22

Left: -29.128+/-0.277 χ^2/NDF : 3752.8/47

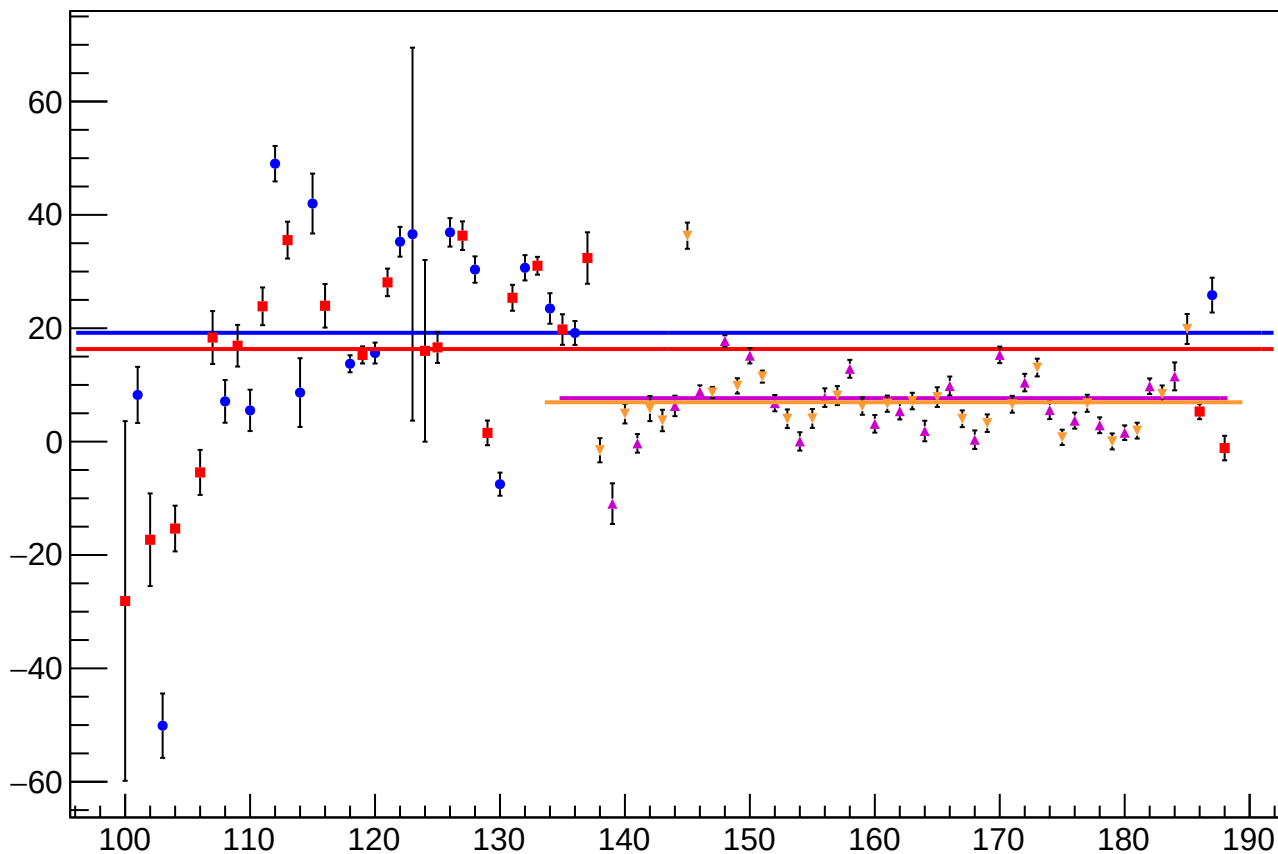
Right: -50.582+/-0.771 χ^2/NDF : 2446.8/2

In: -31.329+/-0.386 χ^2/NDF :2673.5/23

Out: -31.792+/-0.353 χ^2/NDF :4212.0/26

All: -31.581+/-0.261 χ^2/NDF : 6886.3/50

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: 16.330 $\pm$ 0.561 χ^2 /NDF: 537.0/20

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

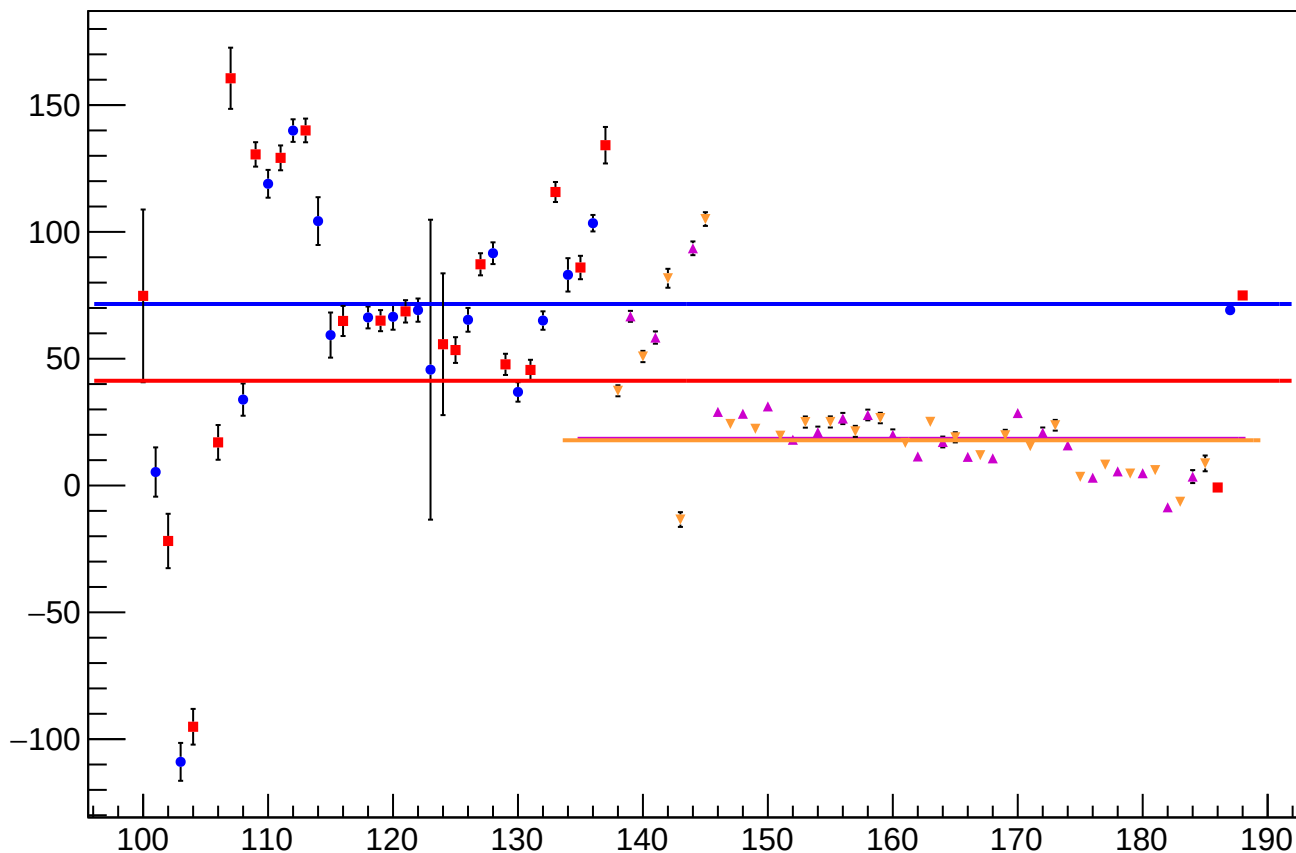
Right: 17.599 $\pm$ 0.419 χ^2 /NDF: 1172.5/38

In: 9.947 $\pm$ 0.280 χ^2 /NDF:1233.9/40

Out: 9.070 $\pm$ 0.267 χ^2 /NDF:1076.2/45

All: 9.487 $\pm$ 0.193 χ^2 /NDF: 2315.2/86

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: 41.301 $\pm$ 0.592 χ^2 /NDF: 5758.9/20

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

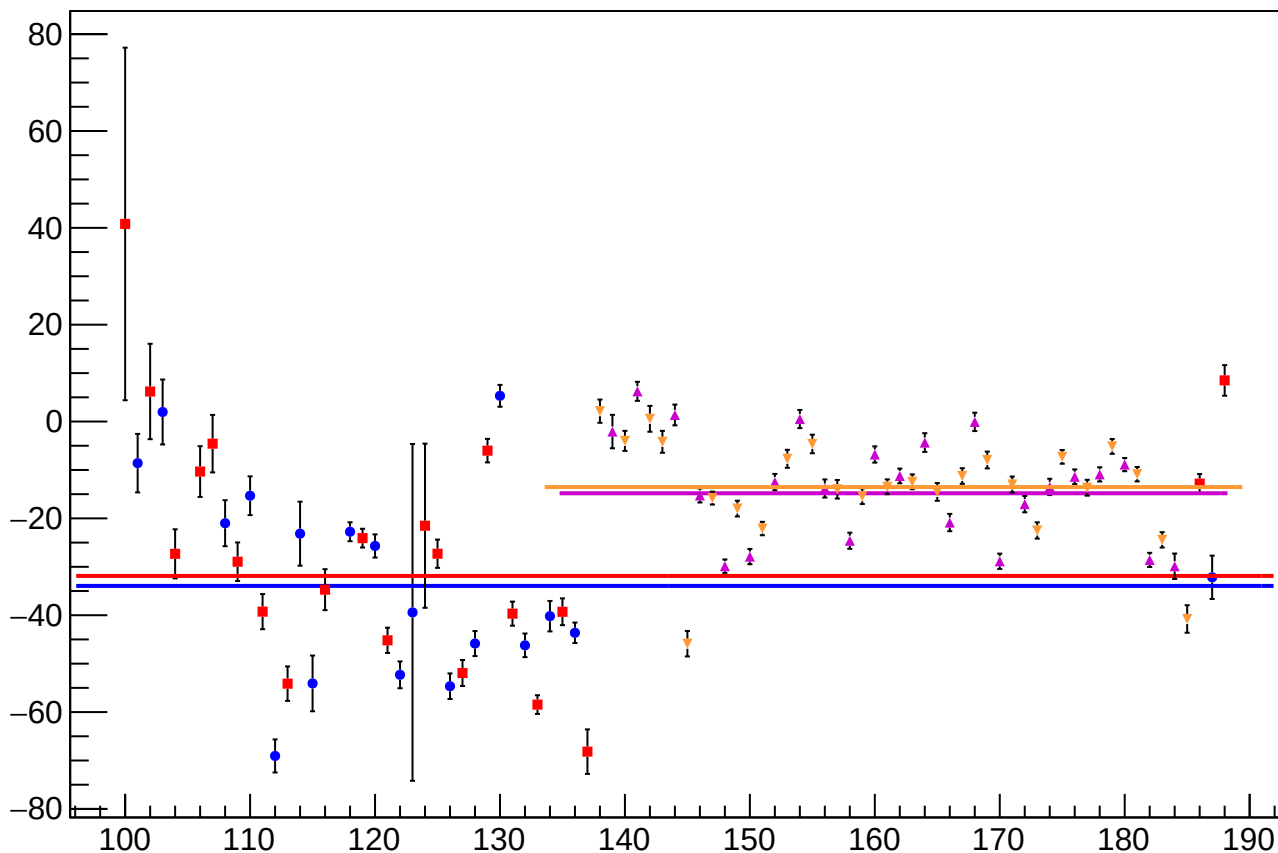
Right: 49.559 $\pm$ 0.505 χ^2 /NDF: 7676.6/38

In: 25.904 $\pm$ 0.363 χ^2 /NDF: 6272.7/40

Out: 24.889 $\pm$ 0.324 χ^2 /NDF: 9257.9/45

All: 25.340 $\pm$ 0.242 χ^2 /NDF: 15535.0/86

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: -31.880 ± 0.675 $\chi^2/\text{NDF}: 842.1/20$

Left In: -14.815 ± 0.353 $\chi^2/\text{NDF}: 838.2/22$

Left: -14.159 ± 0.247 $\chi^2/\text{NDF}: 1419.5/47$

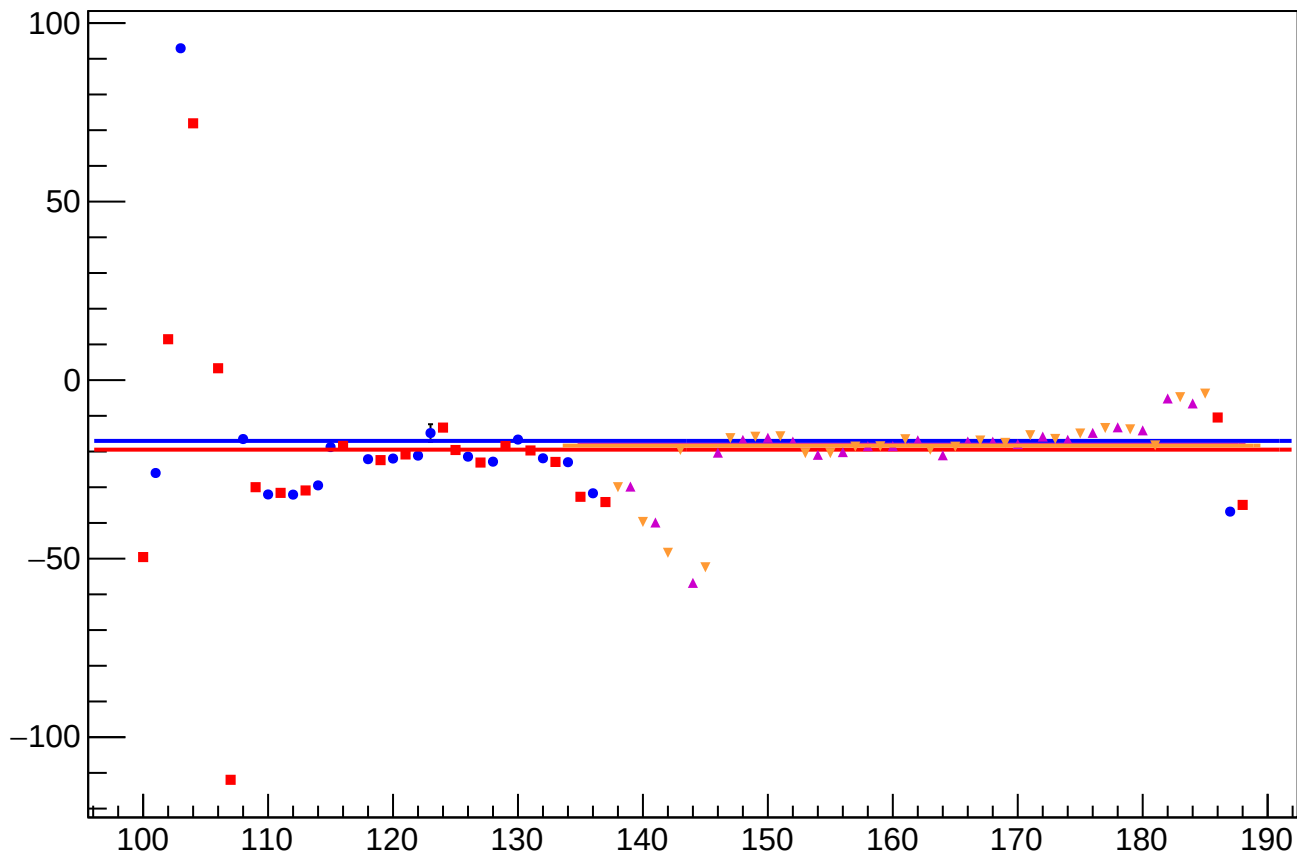
Right: -32.835 ± 0.494 $\chi^2/\text{NDF}: 1566.4/38$

In: -18.471 ± 0.318 $\chi^2/\text{NDF}: 2118.9/40$

Out: -17.333 ± 0.307 $\chi^2/\text{NDF}: 2003.2/45$

All: -17.883 ± 0.221 $\chi^2/\text{NDF}: 4128.8/86$

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: -19.473 ± 0.041 $\chi^2/\text{NDF}: 449341.3/20$

Left In: -18.135 ± 0.016 $\chi^2/\text{NDF}: 245650.3/22$

Left: -18.237 ± 0.011 $\chi^2/\text{NDF}: 529524.6/47$

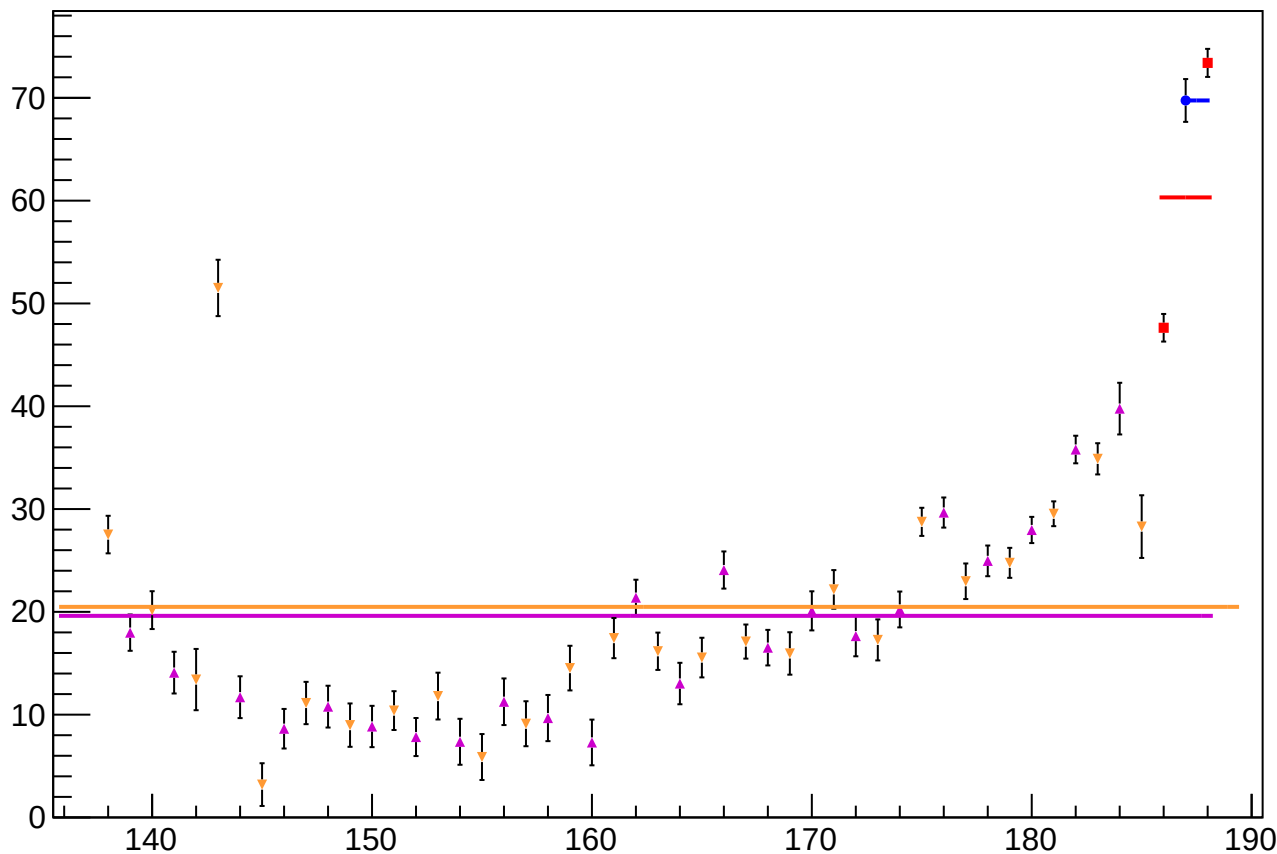
Right: -18.315 ± 0.030 $\chi^2/\text{NDF}: 931707.0/38$

In: -18.003 ± 0.015 $\chi^2/\text{NDF}: 726928.7/40$

Out: -18.483 ± 0.015 $\chi^2/\text{NDF}: 733791.4/45$

All: -18.247 ± 0.011 $\chi^2/\text{NDF}: 1461237.6/86$

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: 60.315 $\pm$ 0.957 χ^2 /NDF: 181.0/1

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

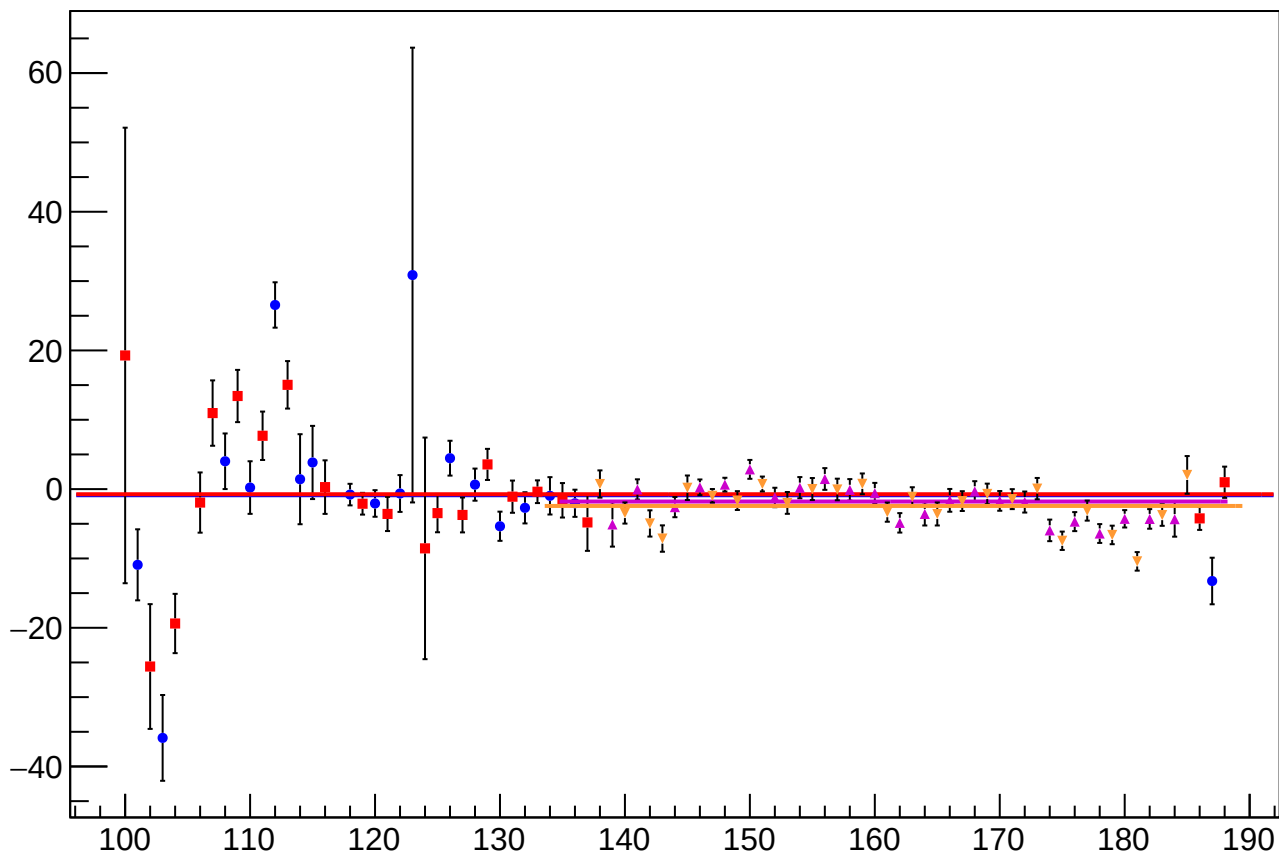
Right: 61.961 $\pm$ 0.870 χ^2 /NDF: 198.0/2

In: 21.216 $\pm$ 0.373 χ^2 /NDF: 1133.7/23

Out: 25.750 $\pm$ 0.348 χ^2 /NDF: 2298.8/26

All: 23.637 $\pm$ 0.254 χ^2 /NDF: 3511.6/50

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: -0.740 ± 0.590 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

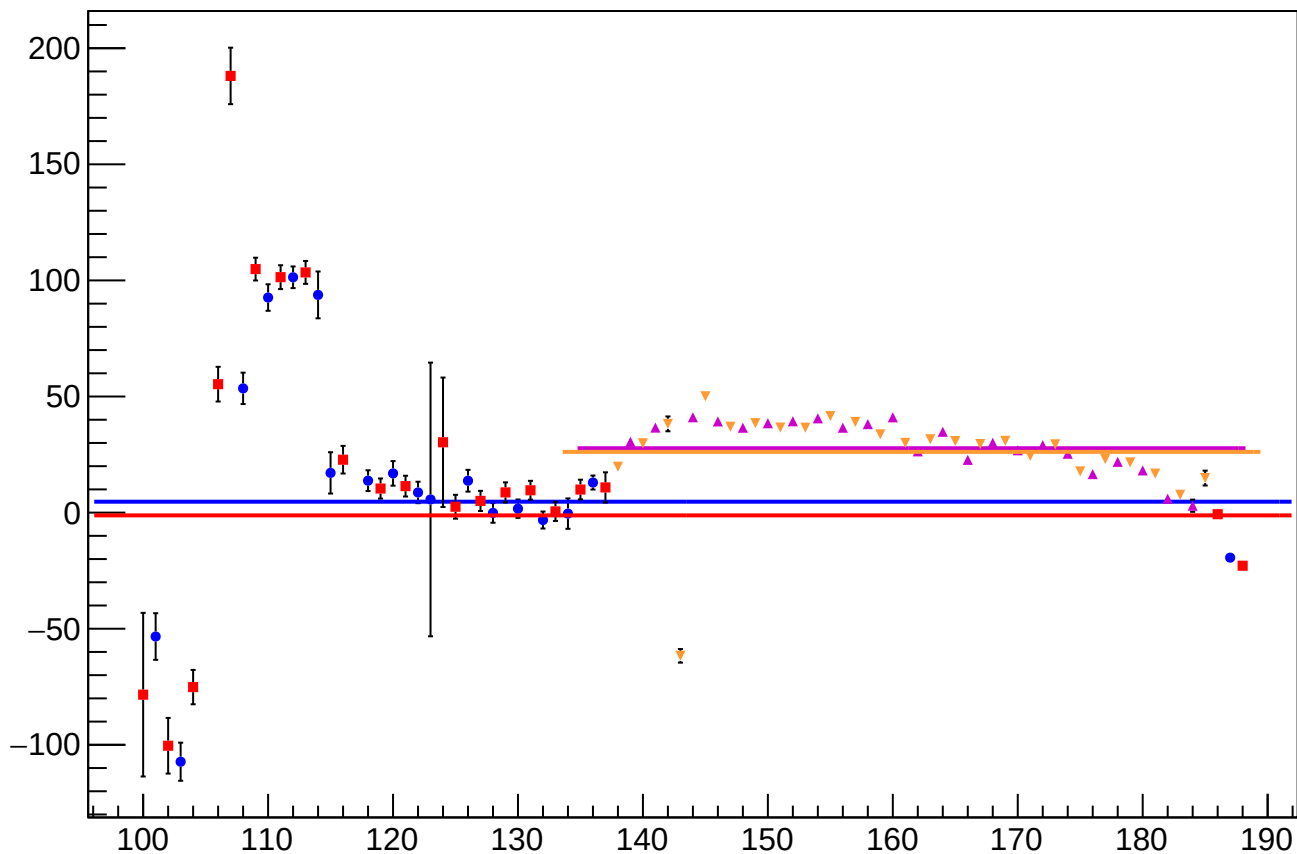
Right: -0.805 ± 0.434 χ^2/NDF : 223.1/38

In: -1.627 ± 0.273 χ^2/NDF : 205.7/40

Out: -2.095 ± 0.262 χ^2/NDF : 199.4/45

All: -1.870 ± 0.189 χ^2/NDF : 406.6/86

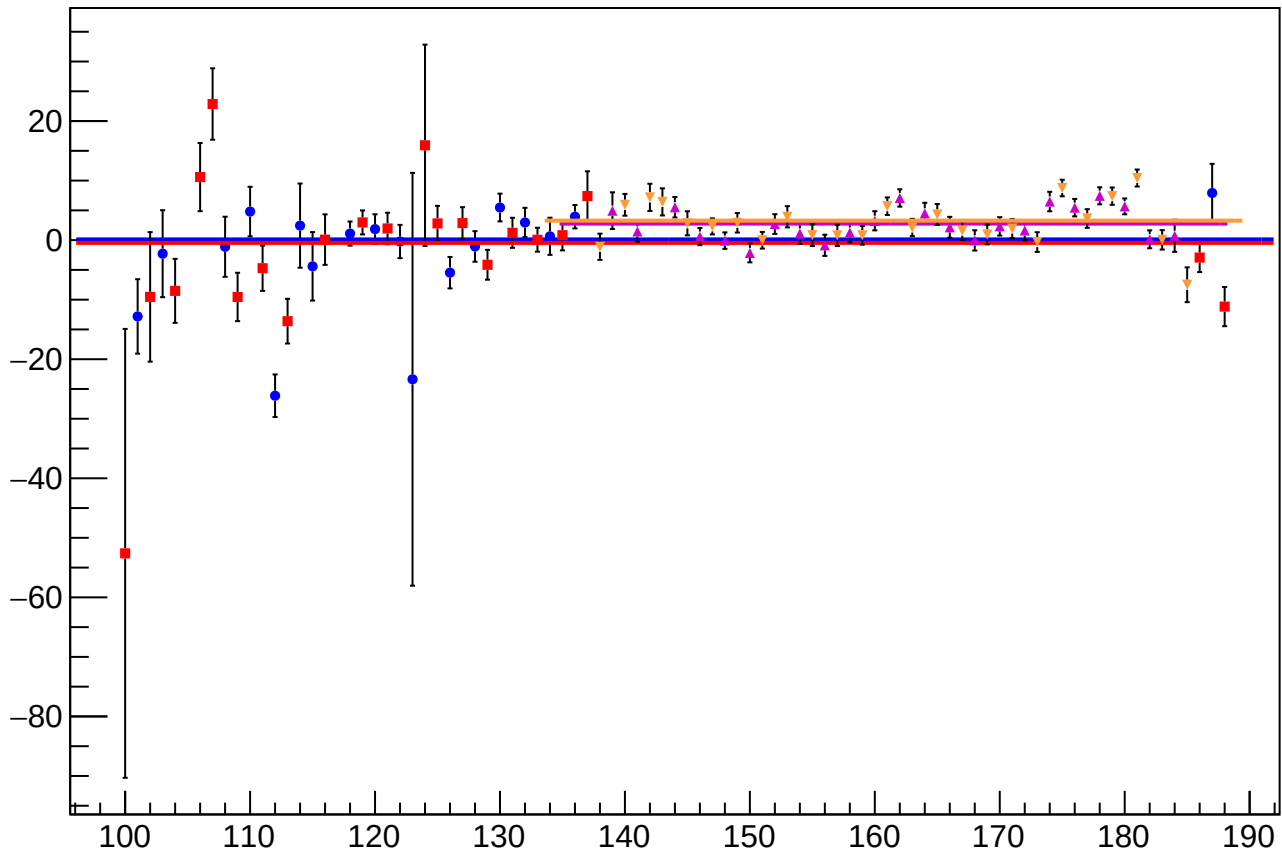
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -1.191 ± 0.654 $\chi^2/\text{NDF}: 2234.6/20$
 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: 0.568 ± 0.548 $\chi^2/\text{NDF}: 3504.1/38$
 In: 24.881 ± 0.353 $\chi^2/\text{NDF}: 2511.7/40$
 Out: 19.462 ± 0.324 $\chi^2/\text{NDF}: 5131.1/45$
 All: 21.942 ± 0.239 $\chi^2/\text{NDF}: 7771.0/86$

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: -0.462 ± 0.700 $\chi^2/\text{NDF}: 67.8/20$

Left In: 2.777 ± 0.340 $\chi^2/\text{NDF}: 66.5/22$

Left: 3.032 ± 0.238 $\chi^2/\text{NDF}: 169.4/47$

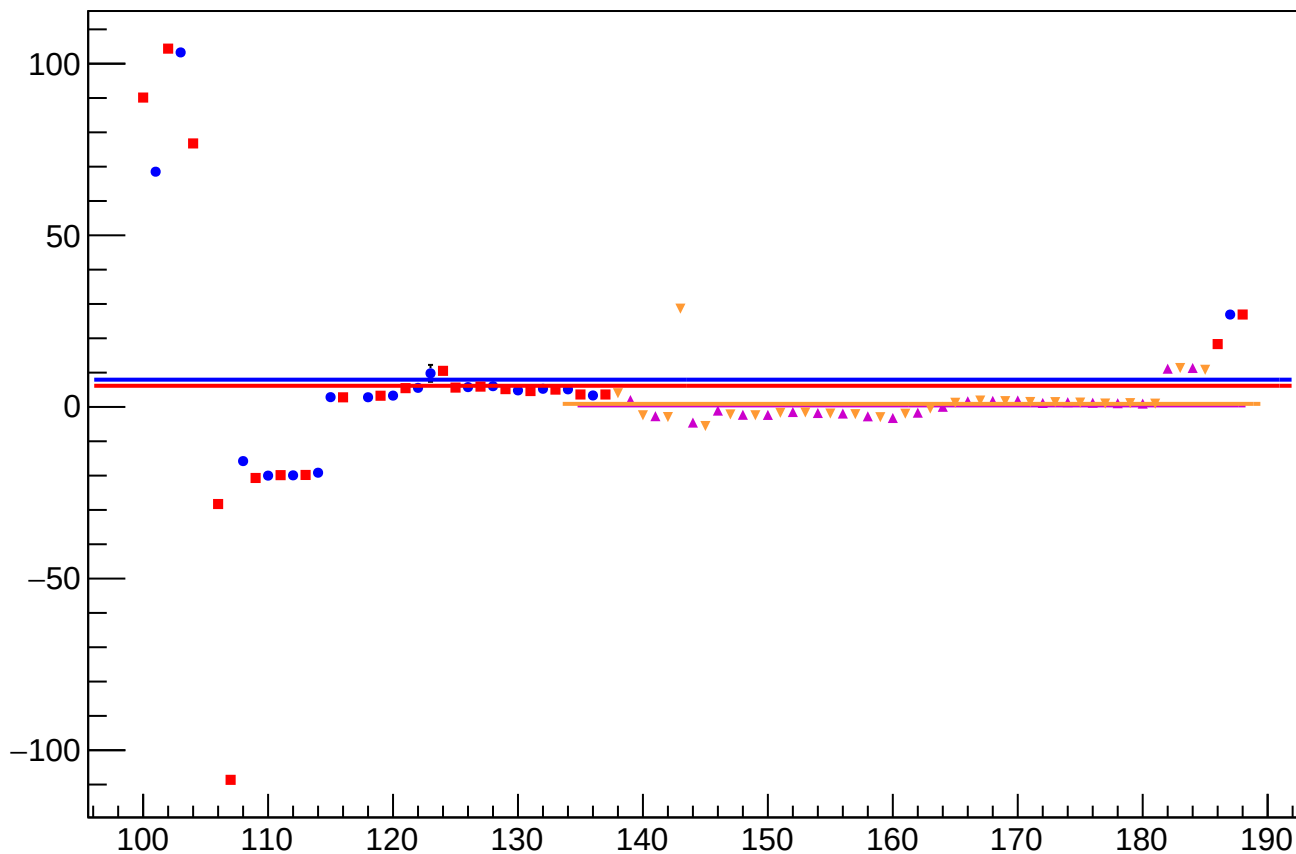
Right: -0.185 ± 0.507 $\chi^2/\text{NDF}: 147.3/38$

In: 2.308 ± 0.309 $\chi^2/\text{NDF}: 156.4/40$

Out: 2.589 ± 0.300 $\chi^2/\text{NDF}: 192.9/45$

All: 2.452 ± 0.215 $\chi^2/\text{NDF}: 349.7/86$

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: 6.168+/-0.042 χ^2/NDF : 537159.6/20

Left In: 0.448+/-0.015 χ^2/NDF :50533.6/22

Left: 0.675+/-0.011 χ^2/NDF : 159162.0/47

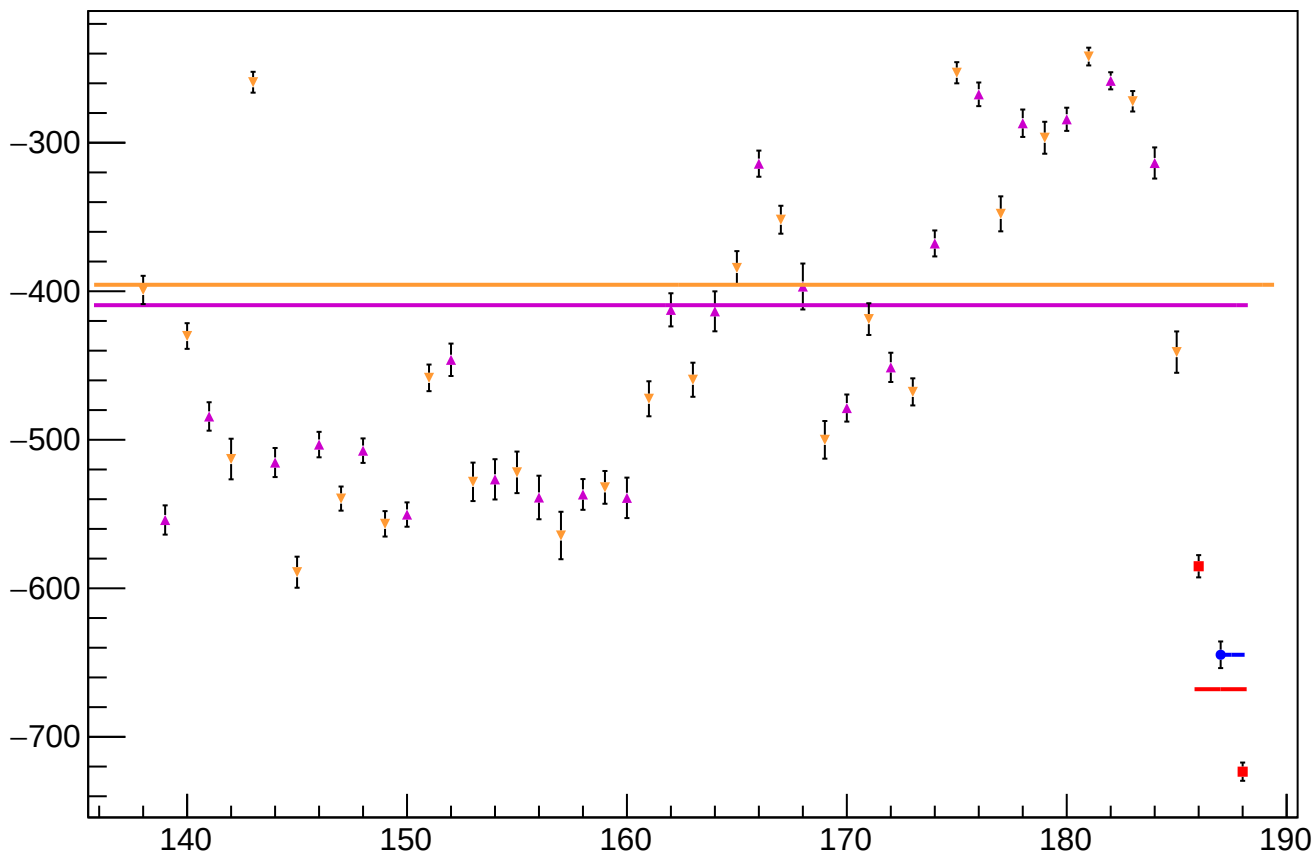
Right: 7.026+/-0.030 χ^2/NDF : 898930.2/38

In: 1.267+/-0.014 χ^2/NDF :437500.0/40

Out: 1.501+/-0.014 χ^2/NDF :659075.7/45

All: 1.385+/-0.010 χ^2/NDF : 1096706.9/86

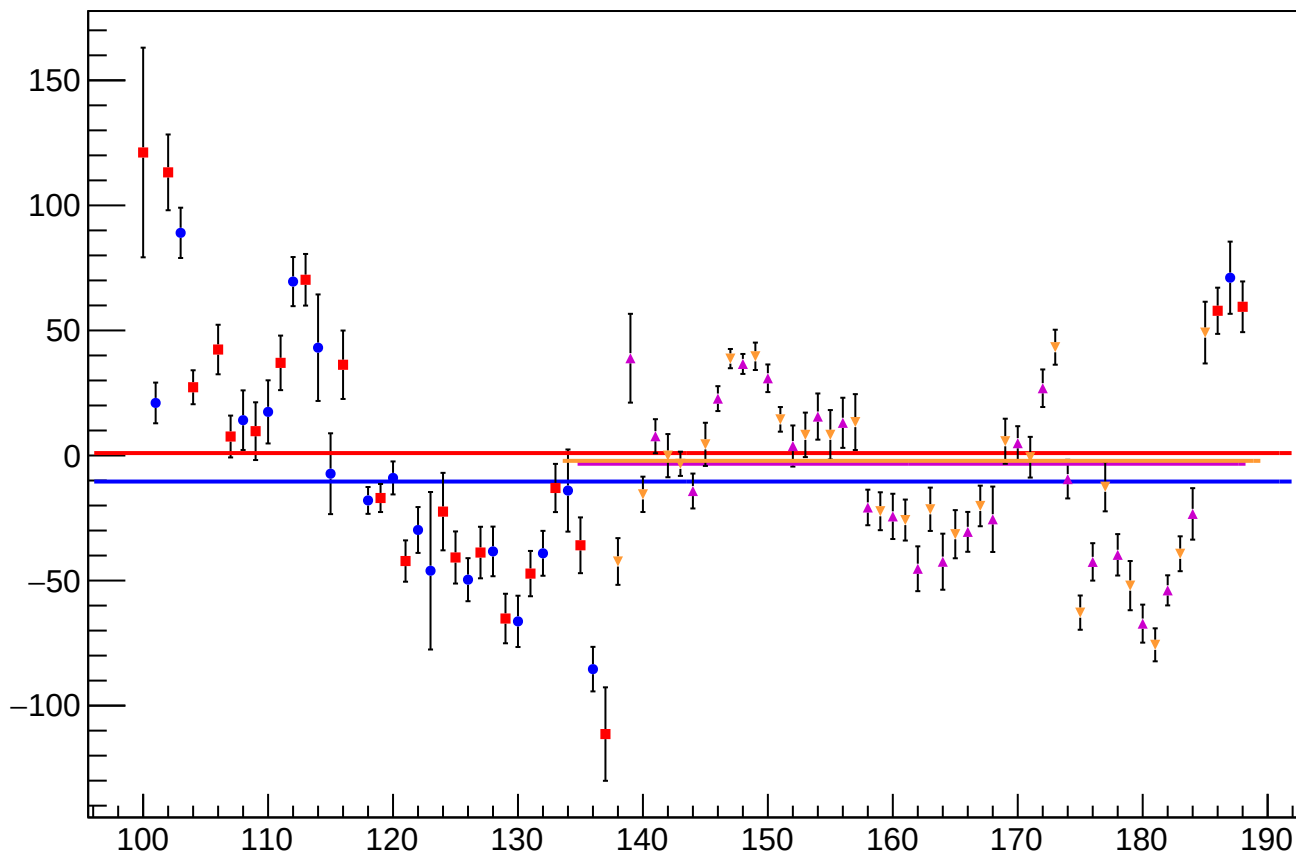
reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -644.742 $\pm$ 8.964 χ^2 /NDF: 0.0/0
 Left Out: -395.638 $\pm$ 1.909 χ^2 /NDF:3704.0/24
 Right Out: -667.918 $\pm$ 4.750 χ^2 /NDF: 203.7/1
 Left In: -409.377 $\pm$ 1.971 χ^2 /NDF:3096.1/22

Left: -402.287 $\pm$ 1.371 χ^2 /NDF: 6825.2/47
 Right: -662.837 $\pm$ 4.197 χ^2 /NDF: 208.9/2
 In: -420.234 $\pm$ 1.925 χ^2 /NDF:3753.6/23
 Out: -433.499 $\pm$ 1.771 χ^2 /NDF:6736.5/26
 All: -427.418 $\pm$ 1.304 χ^2 /NDF: 10515.8/50

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -10.410 ± 2.282 χ^2/NDF : 373.8/17

Left Out: -2.133 ± 1.435 χ^2/NDF : 562.8/24

Right Out: 0.973 ± 2.149 χ^2/NDF : 423.6/20

Left In: -3.290 ± 1.517 χ^2/NDF : 454.5/22

Left: -2.680 ± 1.042 χ^2/NDF : 1017.6/47

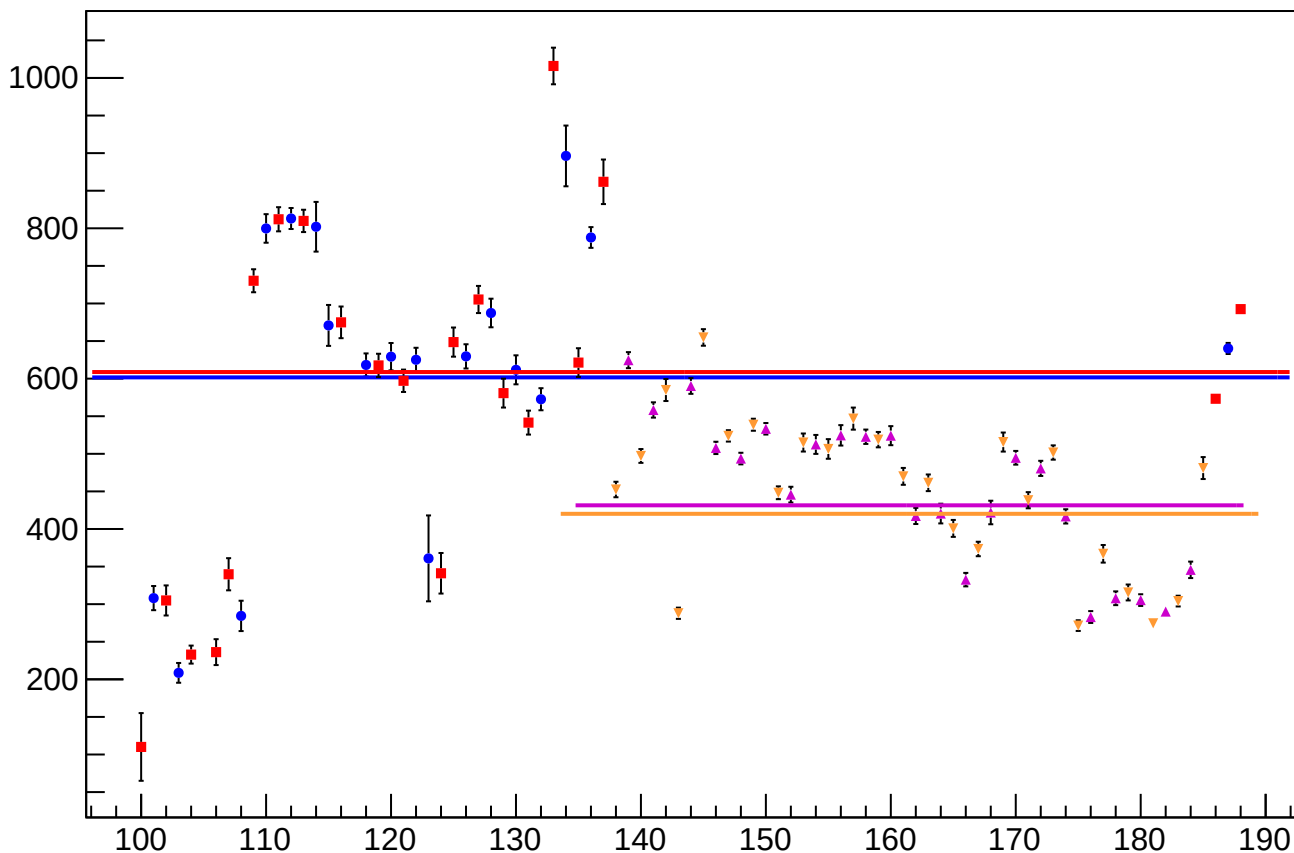
Right: -4.378 ± 1.564 χ^2/NDF : 810.6/38

In: -5.471 ± 1.263 χ^2/NDF : 835.0/40

Out: -1.176 ± 1.193 χ^2/NDF : 987.8/45

All: -3.202 ± 0.867 χ^2/NDF : 1829.0/86

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: 608.803 $\pm$ 2.804 χ^2 /NDF: 3205.6/20

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

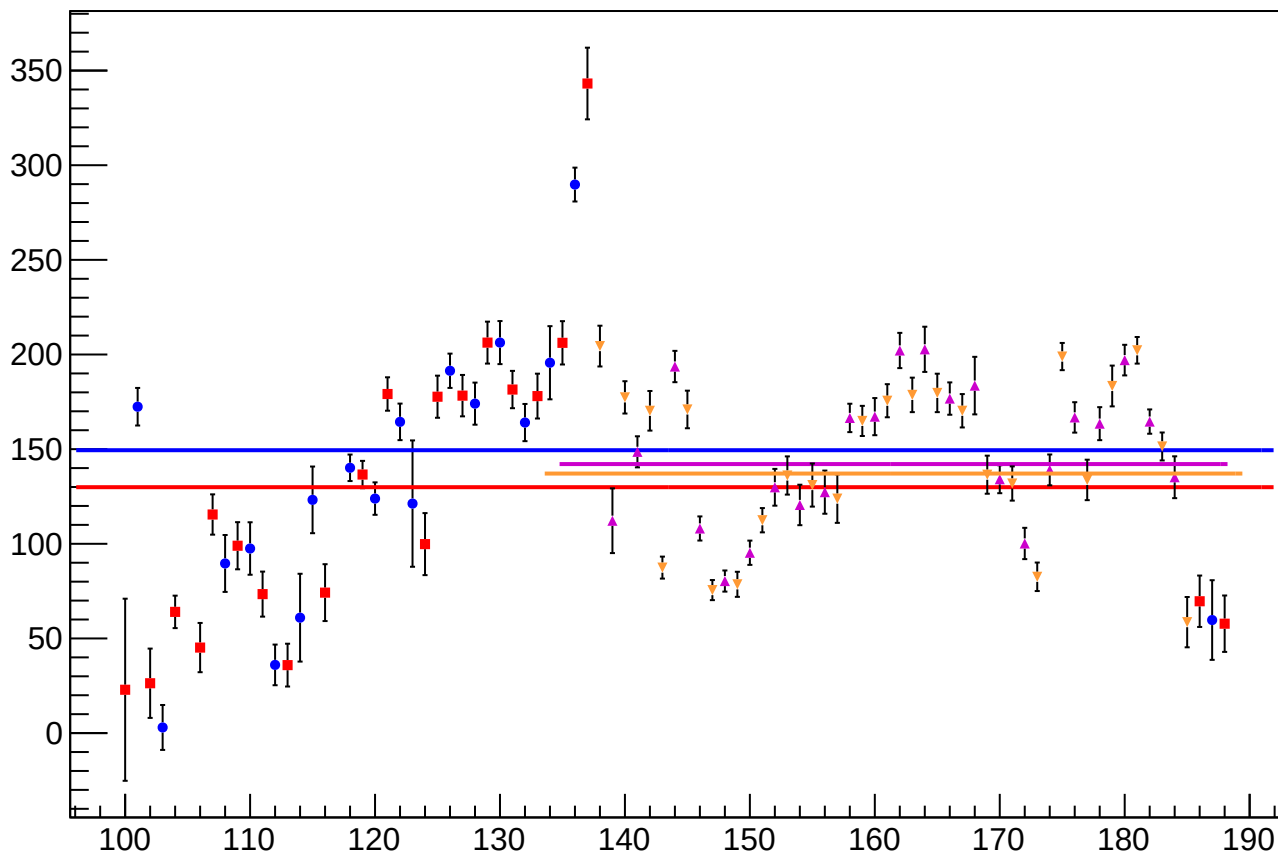
Right: 606.224 $\pm$ 2.241 χ^2 /NDF: 5374.8/38

In: 468.483 $\pm$ 1.737 χ^2 /NDF:6696.3/40

Out: 480.188 $\pm$ 1.582 χ^2 /NDF:9531.0/45

All: 474.883 $\pm$ 1.170 χ^2 /NDF: 16252.1/86

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: 129.908 ± 2.535 $\chi^2/\text{NDF}: 630.9/20$

Left In: 142.123 ± 1.740 $\chi^2/\text{NDF}: 463.8/22$

Left: 139.501 ± 1.202 $\chi^2/\text{NDF}: 1207.0/47$

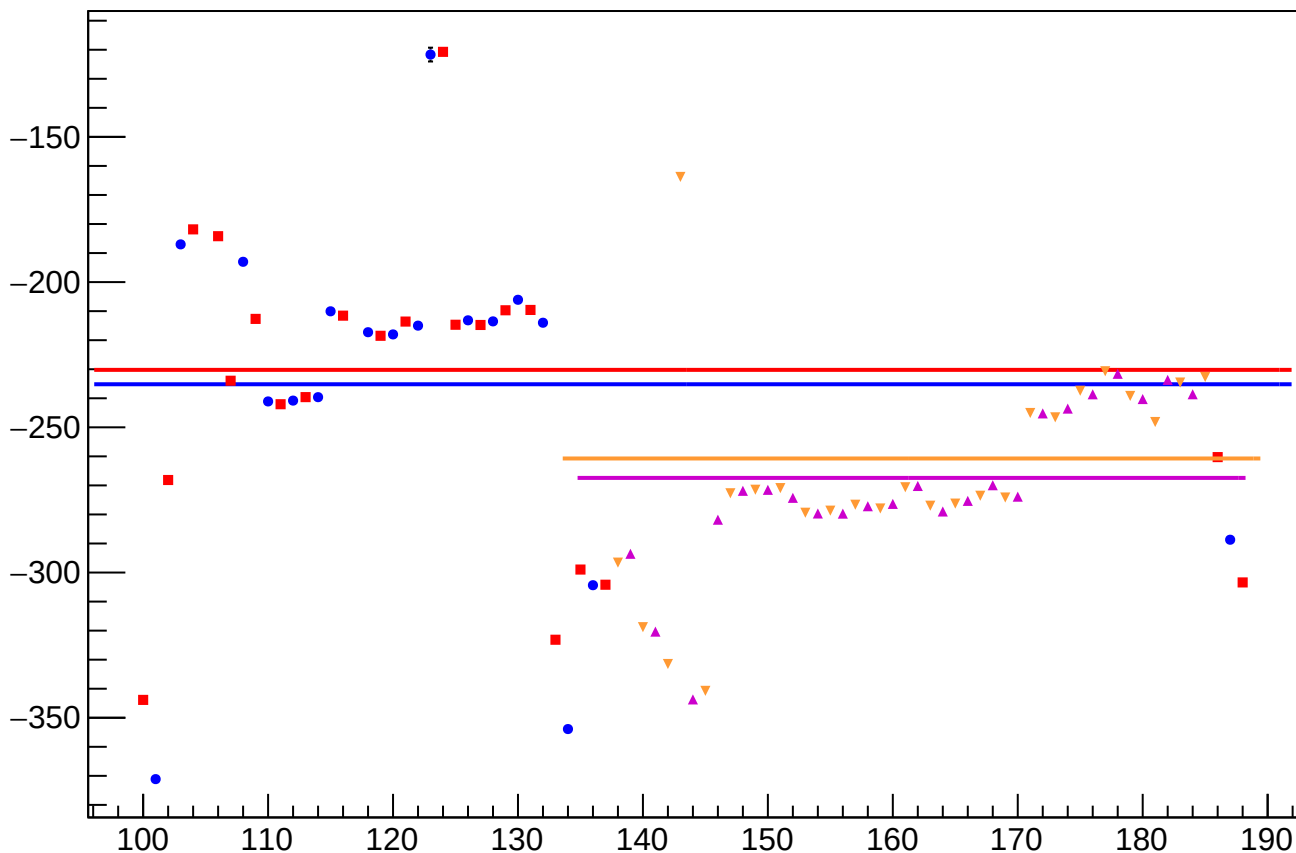
Right: 139.232 ± 1.833 $\chi^2/\text{NDF}: 1312.6/38$

In: 144.325 ± 1.455 $\chi^2/\text{NDF}: 1122.4/40$

Out: 134.941 ± 1.390 $\chi^2/\text{NDF}: 1375.5/45$

All: 139.420 ± 1.005 $\chi^2/\text{NDF}: 2519.6/86$

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: -230.218+/-0.137 χ^2/NDF : 111508.8/20

Left In: -267.416+/-0.081 χ^2/NDF : 98892.0/22

Left: -263.998+/-0.057 χ^2/NDF : 322472.0/47

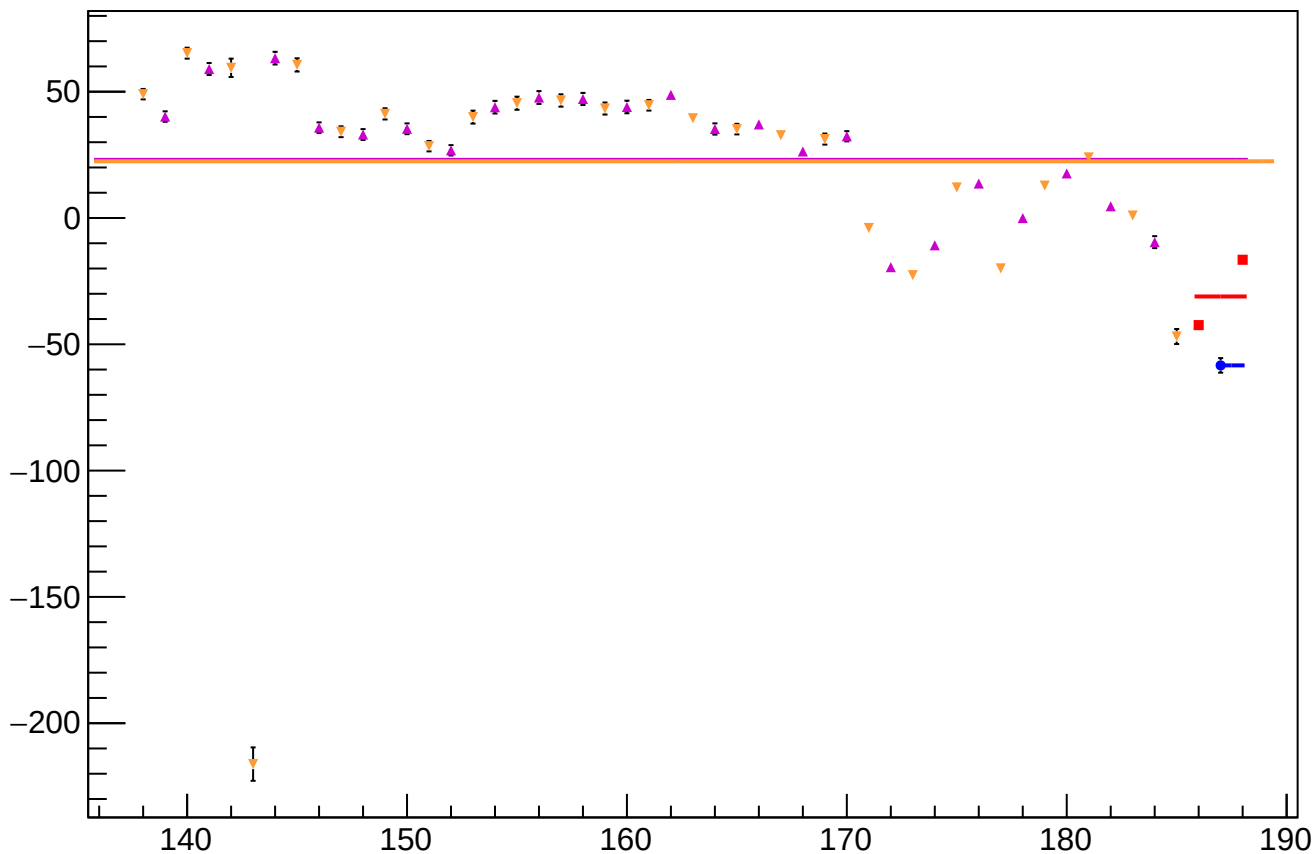
Right: -232.522+/-0.100 χ^2/NDF : 259333.9/38

In: -259.871+/-0.071 χ^2/NDF : 282880.9/40

Out: -253.057+/-0.069 χ^2/NDF : 368630.3/45

All: -256.349+/-0.049 χ^2/NDF : 656246.2/86

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: -31.065 ± 1.308 $\chi^2/\text{NDF}: 96.3/1$

Left In: 23.019 ± 0.400 $\chi^2/\text{NDF}: 2819.9/22$

Left: 22.732 ± 0.282 $\chi^2/\text{NDF}: 7756.7/47$

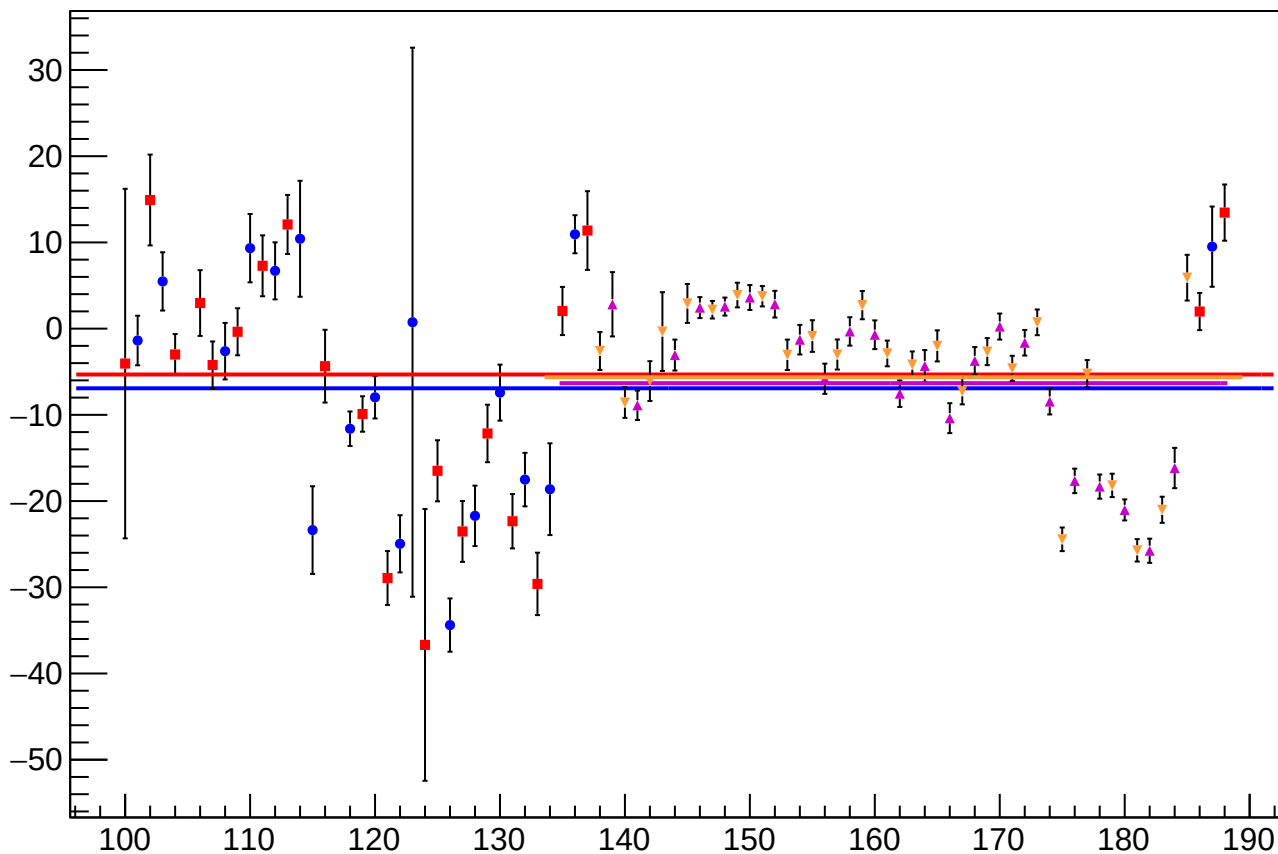
Right: -35.709 ± 1.192 $\chi^2/\text{NDF}: 170.3/2$

In: 21.490 ± 0.396 $\chi^2/\text{NDF}: 3598.3/23$

Out: 17.896 ± 0.382 $\chi^2/\text{NDF}: 6562.4/26$

All: 19.627 ± 0.275 $\chi^2/\text{NDF}: 10203.4/50$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.921 ± 0.768 $\chi^2/\text{NDF}: 296.4/17$

Left Out: -5.639 ± 0.316 $\chi^2/\text{NDF}: 891.5/24$

Right Out: -5.319 ± 0.702 $\chi^2/\text{NDF}: 308.4/20$

Left In: -6.323 ± 0.320 $\chi^2/\text{NDF}: 784.4/22$

Left: -5.976 ± 0.225 $\chi^2/\text{NDF}: 1678.2/47$

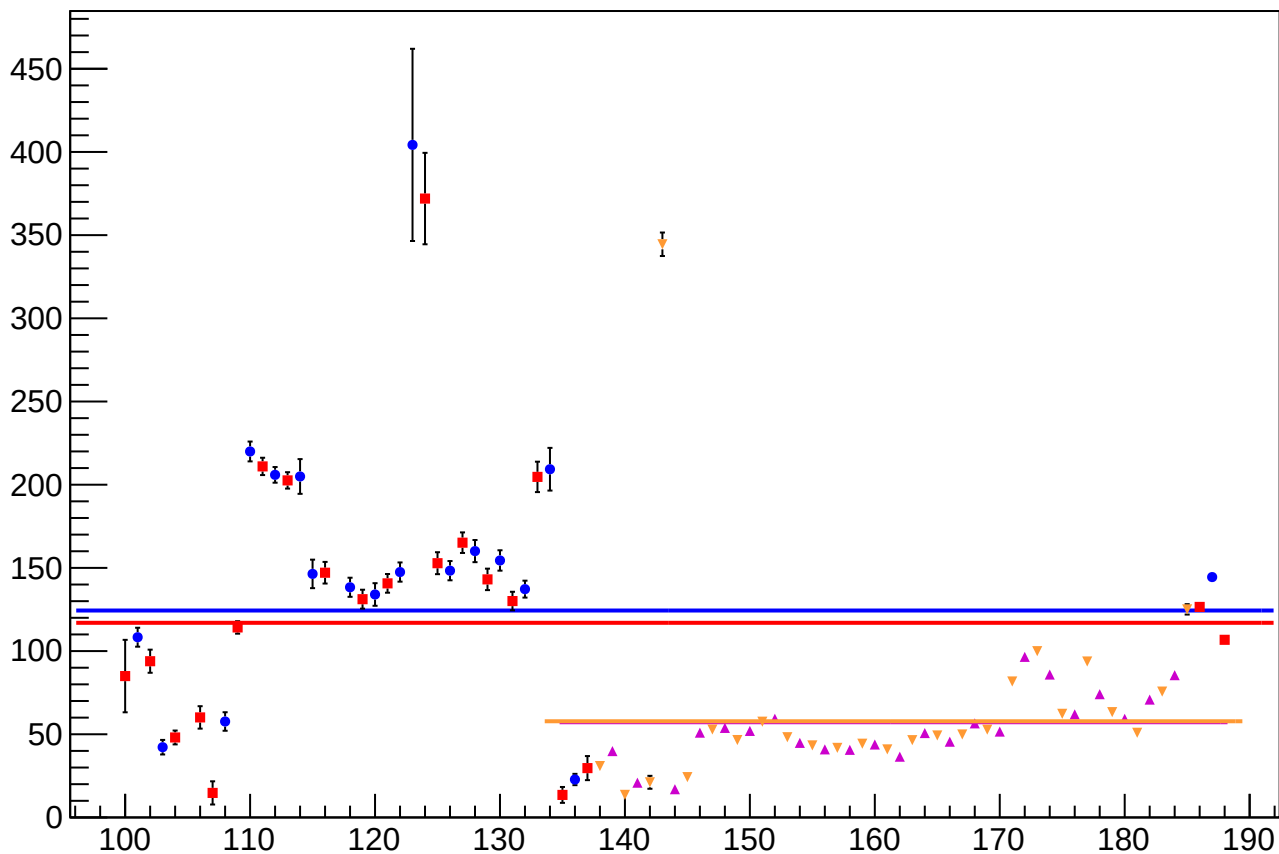
Right: -6.048 ± 0.518 $\chi^2/\text{NDF}: 607.2/38$

In: -6.412 ± 0.296 $\chi^2/\text{NDF}: 1081.3/40$

Out: -5.585 ± 0.288 $\chi^2/\text{NDF}: 1200.1/45$

All: -5.987 ± 0.206 $\chi^2/\text{NDF}: 2285.4/86$

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: 116.991 $\pm$ 0.833 χ^2 /NDF: 2239.4/20

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

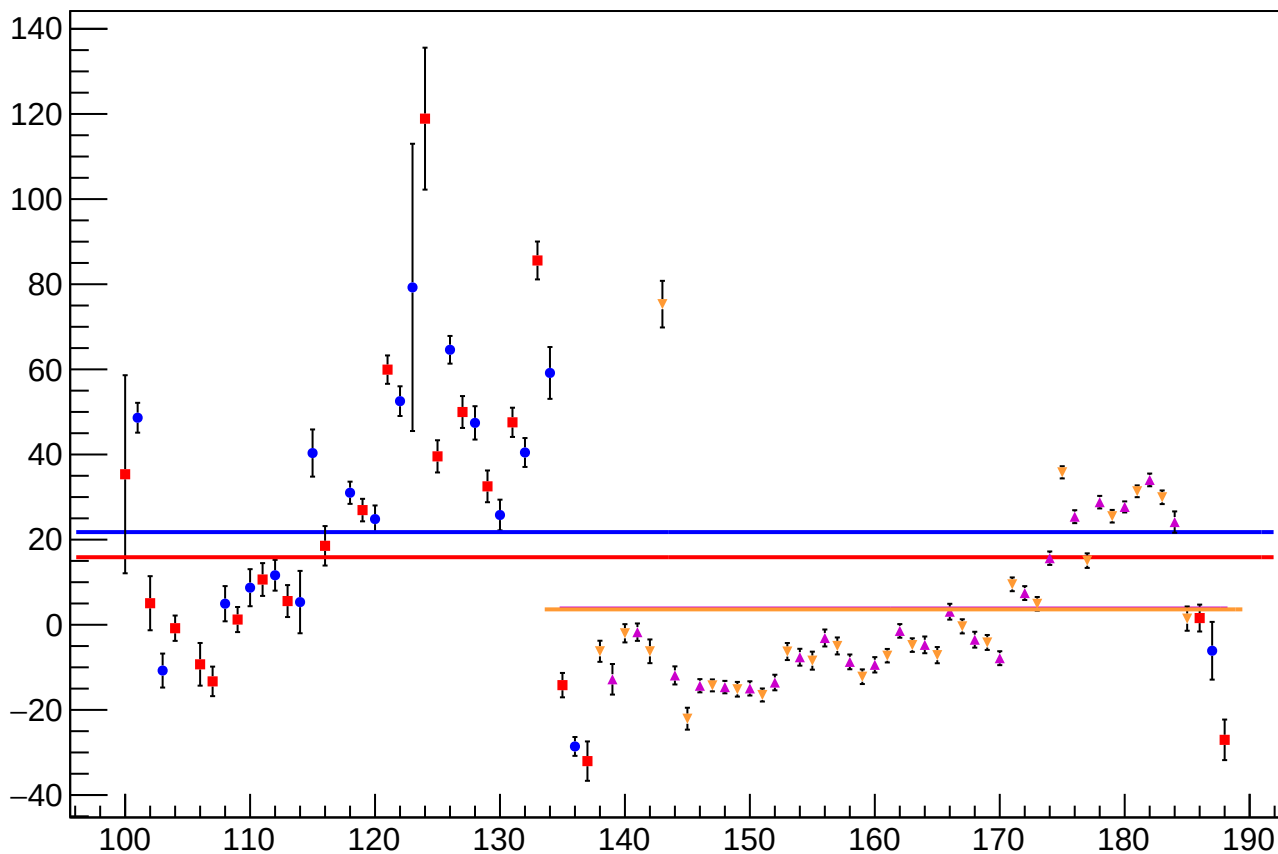
Right: 119.362 $\pm$ 0.686 χ^2 /NDF: 4522.9/38

In: 63.772 $\pm$ 0.378 χ^2 /NDF:6893.0/40

Out: 68.824 $\pm$ 0.359 χ^2 /NDF:10682.7/45

All: 66.428 $\pm$ 0.260 χ^2 /NDF: 17669.5/86

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.771+/-0.882 χ^2 /NDF: 1088.6/17

Left Out: 3.615+/-0.357 χ^2 /NDF:2501.2/24

Right Out: 15.869+/-0.828 χ^2 /NDF: 1187.1/20

Left In: 3.812+/-0.361 χ^2 /NDF:2203.5/22

Left: 3.712+/-0.254 χ^2 /NDF: 4704.8/47

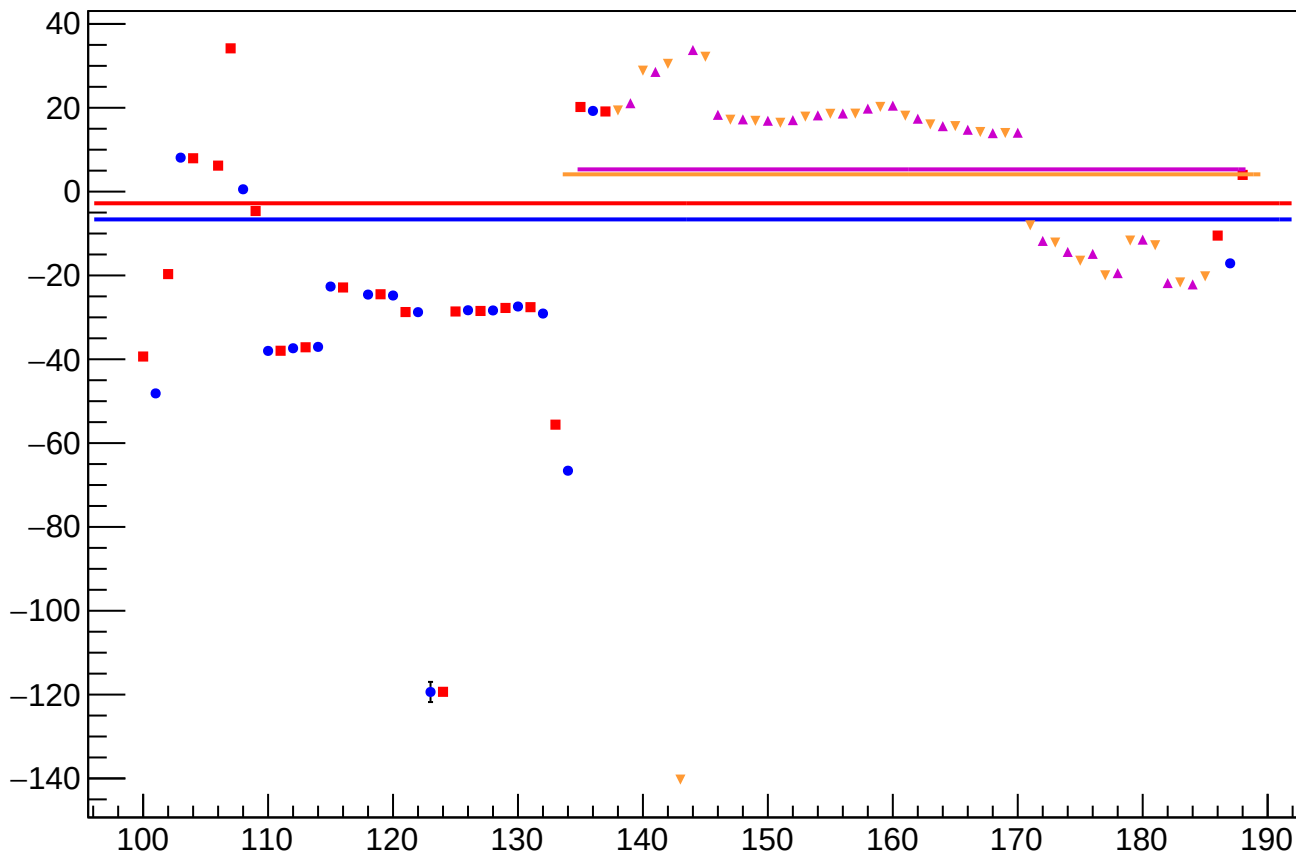
Right: 18.634+/-0.603 χ^2 /NDF: 2299.6/38

In: 6.387+/-0.334 χ^2 /NDF:3647.6/40

Out: 5.535+/-0.328 χ^2 /NDF:3873.2/45

All: 5.953+/-0.234 χ^2 /NDF: 7524.1/86

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: -2.787 $\pm$ 0.044 χ^2/NDF : 268402.9/20

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

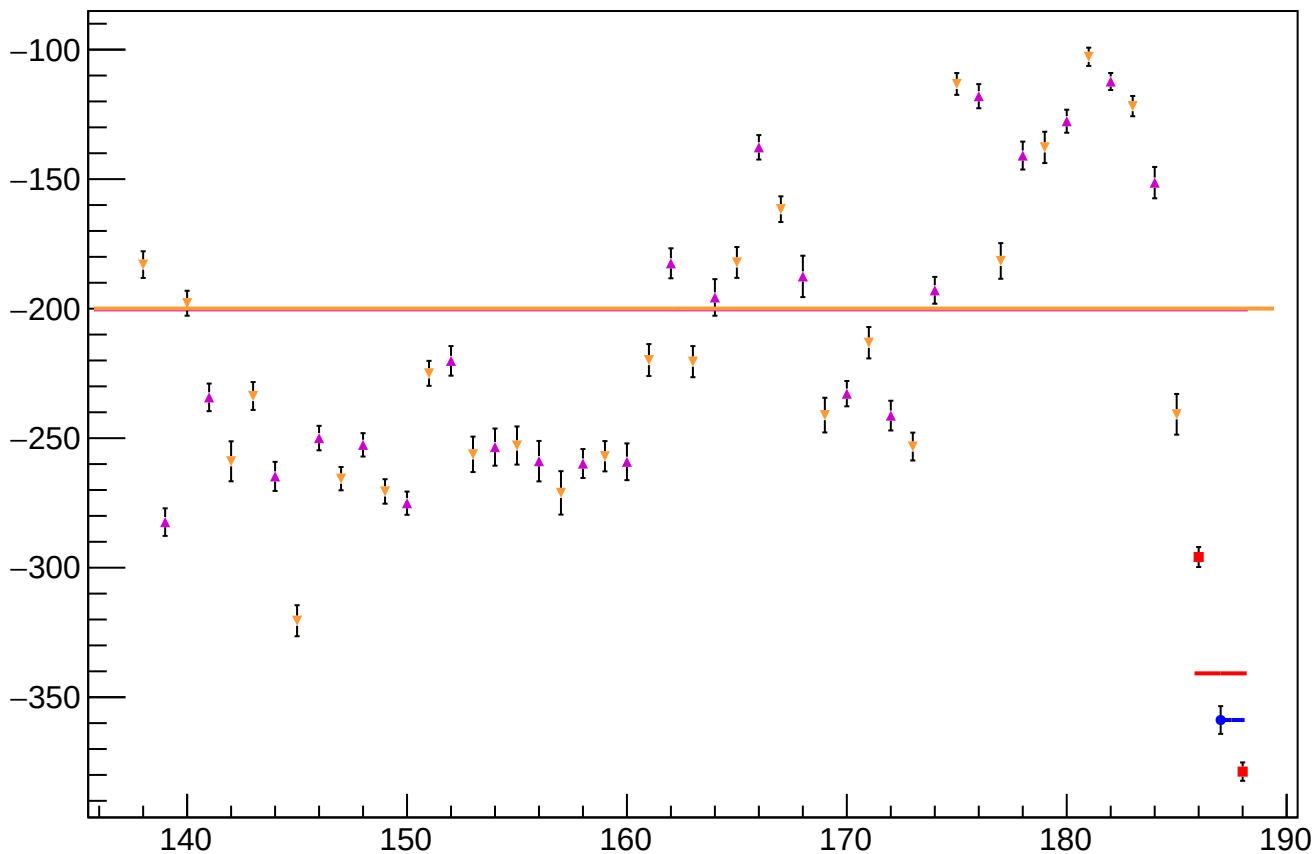
Right: -4.627 $\pm$ 0.032 χ^2/NDF : 538641.8/38

In: 3.957 $\pm$ 0.015 χ^2/NDF : 1416374.3/40

Out: 3.277 $\pm$ 0.015 χ^2/NDF : 1630339.5/45

All: 3.616 $\pm$ 0.011 χ^2/NDF : 3047692.1/86

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -358.804 ± 5.356 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -199.957 ± 1.082 $\chi^2/\text{NDF}: 3220.5/24$
 Right Out: -340.795 ± 2.609 $\chi^2/\text{NDF}: 250.3/1$
 Left In: -200.276 ± 1.093 $\chi^2/\text{NDF}: 3013.8/22$

Left: -200.115 ± 0.769 $\chi^2/\text{NDF}: 6234.3/47$

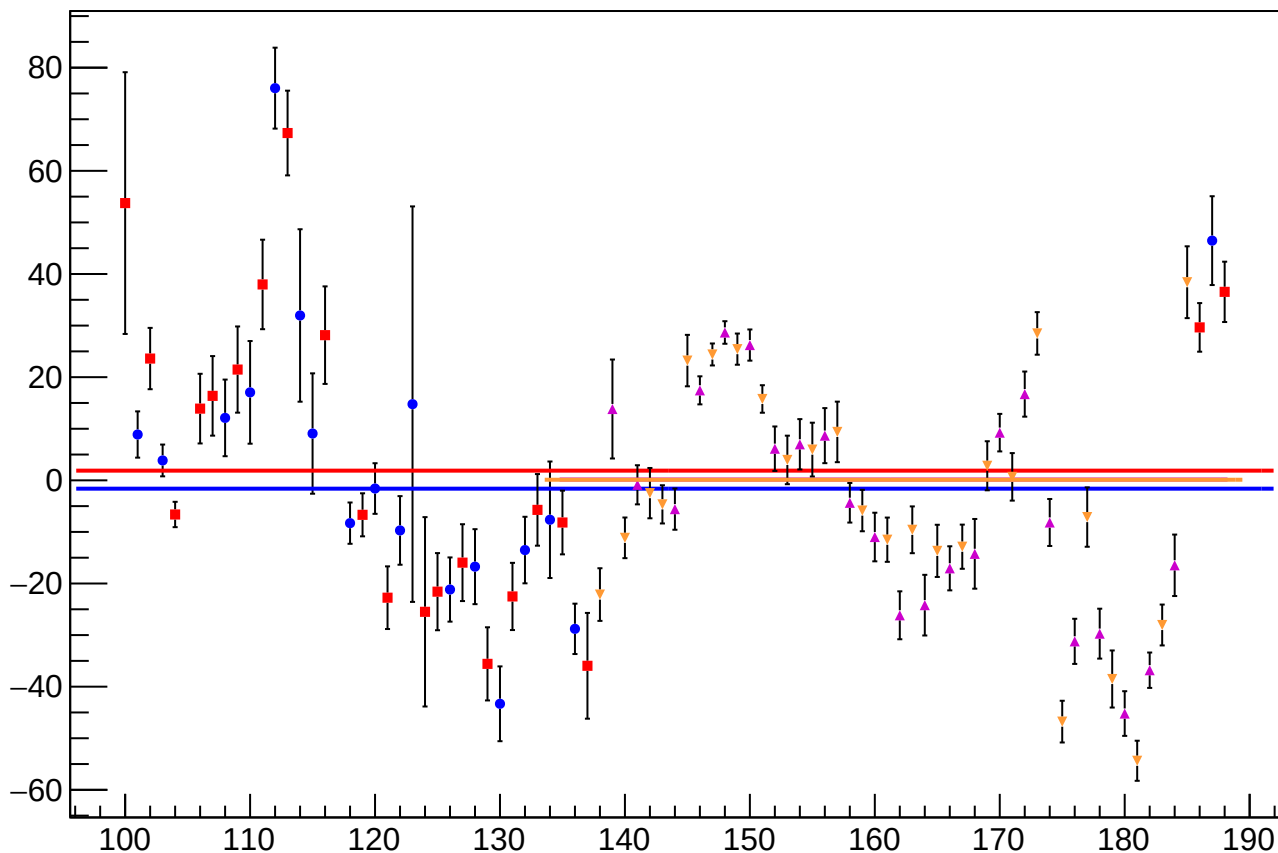
Right: -344.248 ± 2.345 $\chi^2/\text{NDF}: 259.5/2$

In: -206.618 ± 1.071 $\chi^2/\text{NDF}: 3854.8/23$

Out: -220.615 ± 0.999 $\chi^2/\text{NDF}: 5958.0/26$

All: -214.104 ± 0.731 $\chi^2/\text{NDF}: 9904.1/50$

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: 1.880 ± 1.307 χ^2/NDF : 298.0/20

Left In: 0.153 ± 0.836 χ^2/NDF : 719.6/22

Left: 0.134 ± 0.582 χ^2/NDF : 1549.7/47

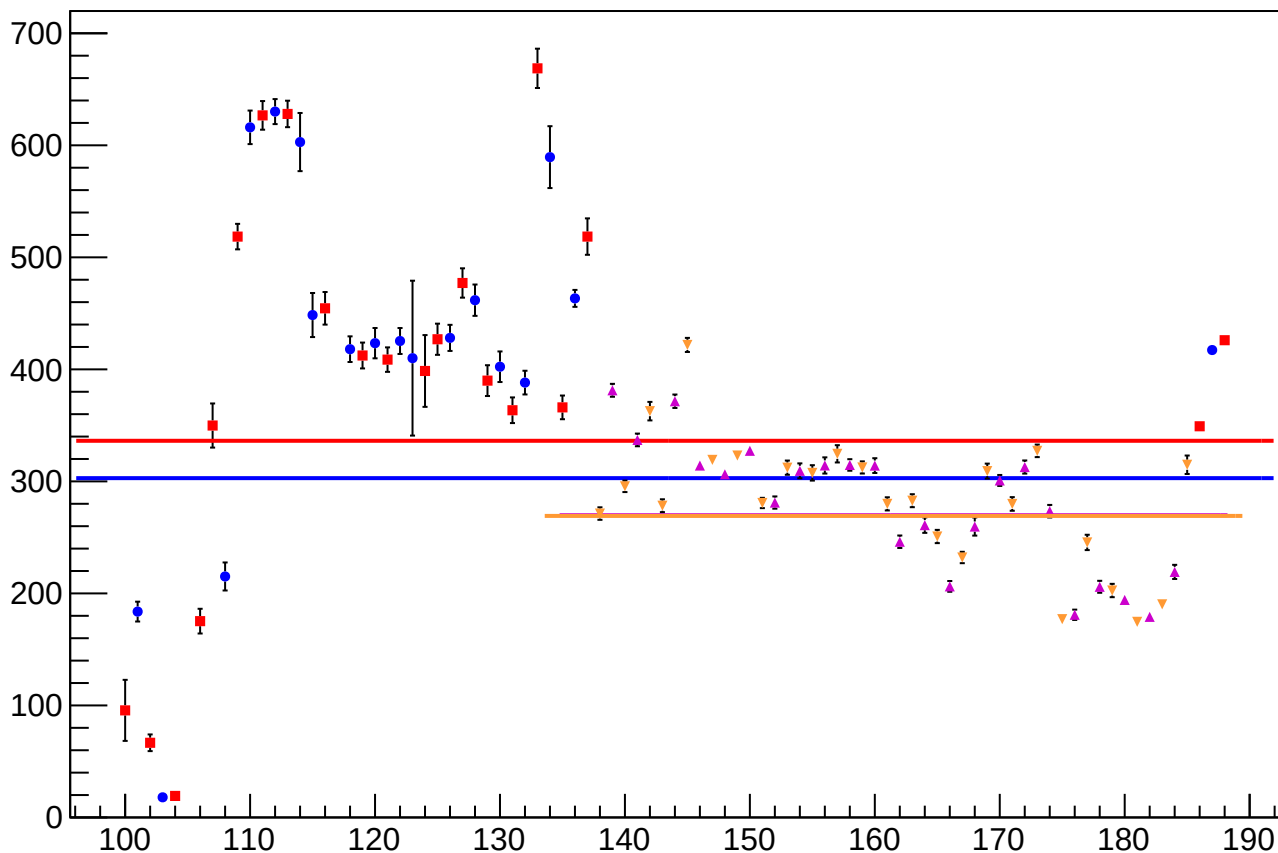
Right: 0.289 ± 0.965 χ^2/NDF : 537.2/38

In: -0.297 ± 0.722 χ^2/NDF : 956.8/40

Out: 0.606 ± 0.689 χ^2/NDF : 1129.4/45

All: 0.175 ± 0.498 χ^2/NDF : 2087.0/86

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 302.893 $\pm$ 2.158 χ^2 /NDF: 8553.0/17

Left Out: 269.181 $\pm$ 1.081 χ^2 /NDF:3148.5/24

Right Out: 336.241 $\pm$ 1.594 χ^2 /NDF: 10136.6/20

Left In: 269.798 $\pm$ 1.087 χ^2 /NDF:3234.9/22

Left: 269.488 $\pm$ 0.766 χ^2 /NDF: 6383.6/47

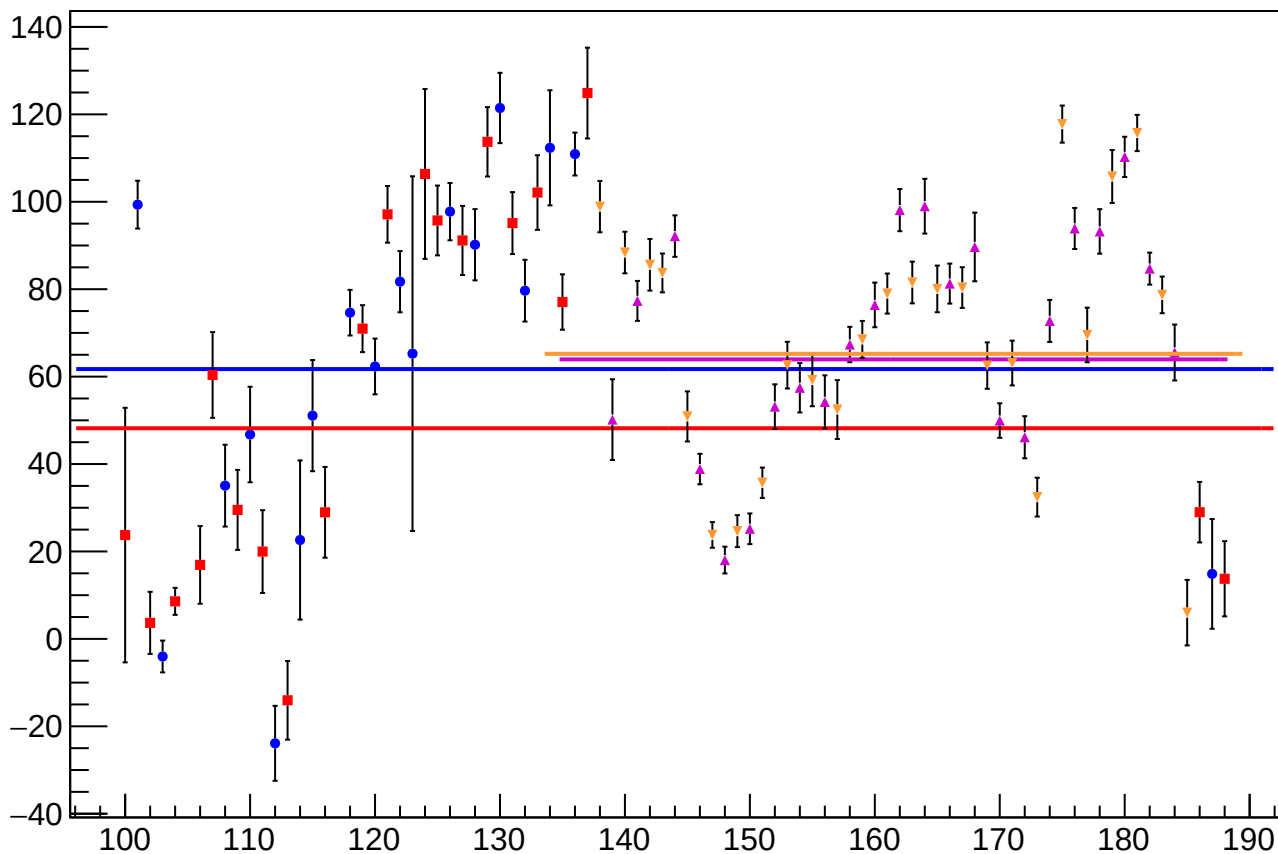
Right: 324.477 $\pm$ 1.282 χ^2 /NDF: 18844.1/38

In: 276.494 $\pm$ 0.971 χ^2 /NDF:11975.5/40

Out: 290.312 $\pm$ 0.894 χ^2 /NDF:14498.1/45

All: 283.968 $\pm$ 0.658 χ^2 /NDF: 26583.1/86

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: 48.189+/-1.572 χ^2/NDF : 682.7/20

Left In: 63.944+/-0.961 χ^2/NDF :803.4/22

Left: 64.594+/-0.671 χ^2/NDF : 1809.9/47

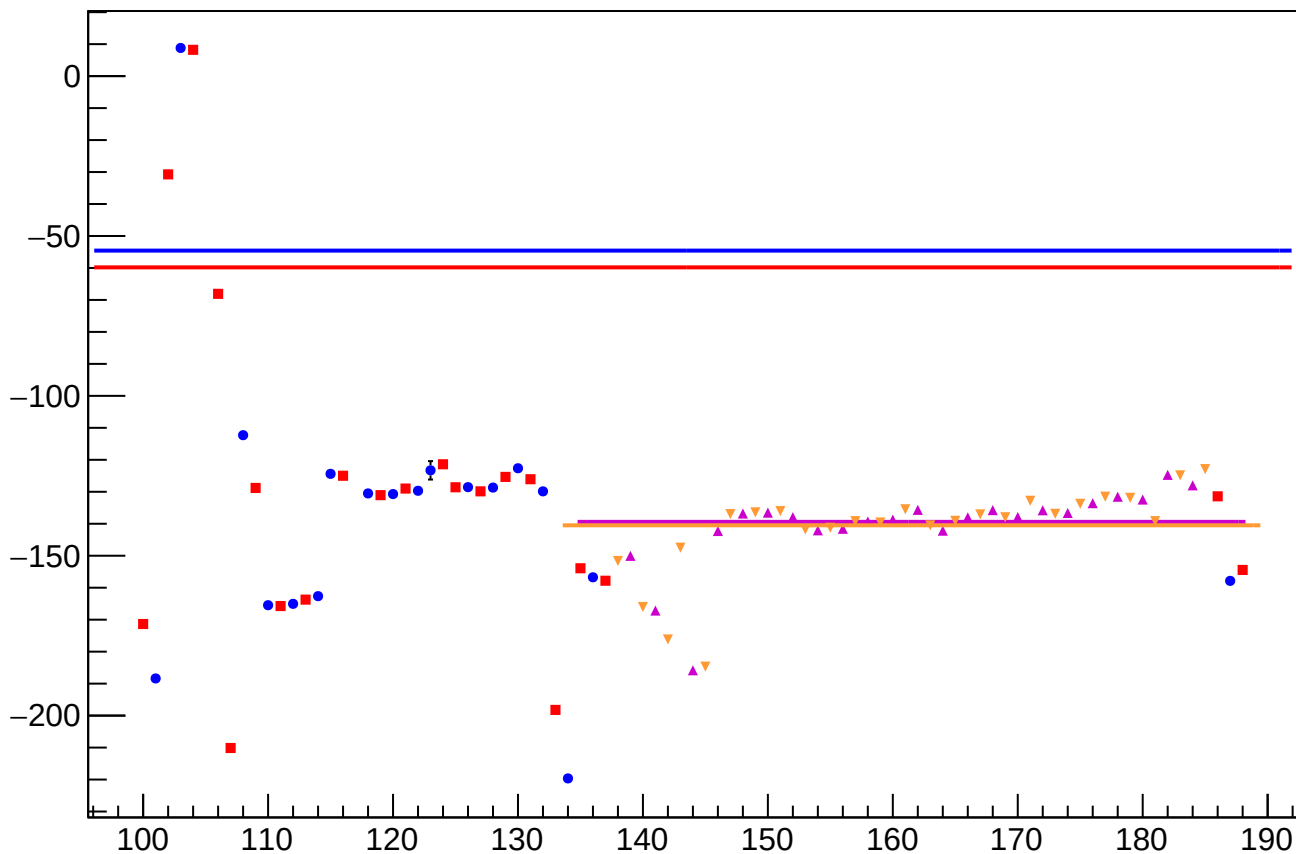
Right: 54.578+/-1.143 χ^2/NDF : 1454.3/38

In: 63.390+/-0.832 χ^2/NDF :1541.3/40

Out: 60.743+/-0.806 χ^2/NDF :1774.9/45

All: 62.024+/-0.579 χ^2/NDF : 3321.4/86

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: -59.814 ± 0.070 $\chi^2/\text{NDF}: 1045573.8/20$

Left In: -139.406 ± 0.045 $\chi^2/\text{NDF}: 62878.4/22$

Left: -139.949 ± 0.032 $\chi^2/\text{NDF}: 140521.6/47$

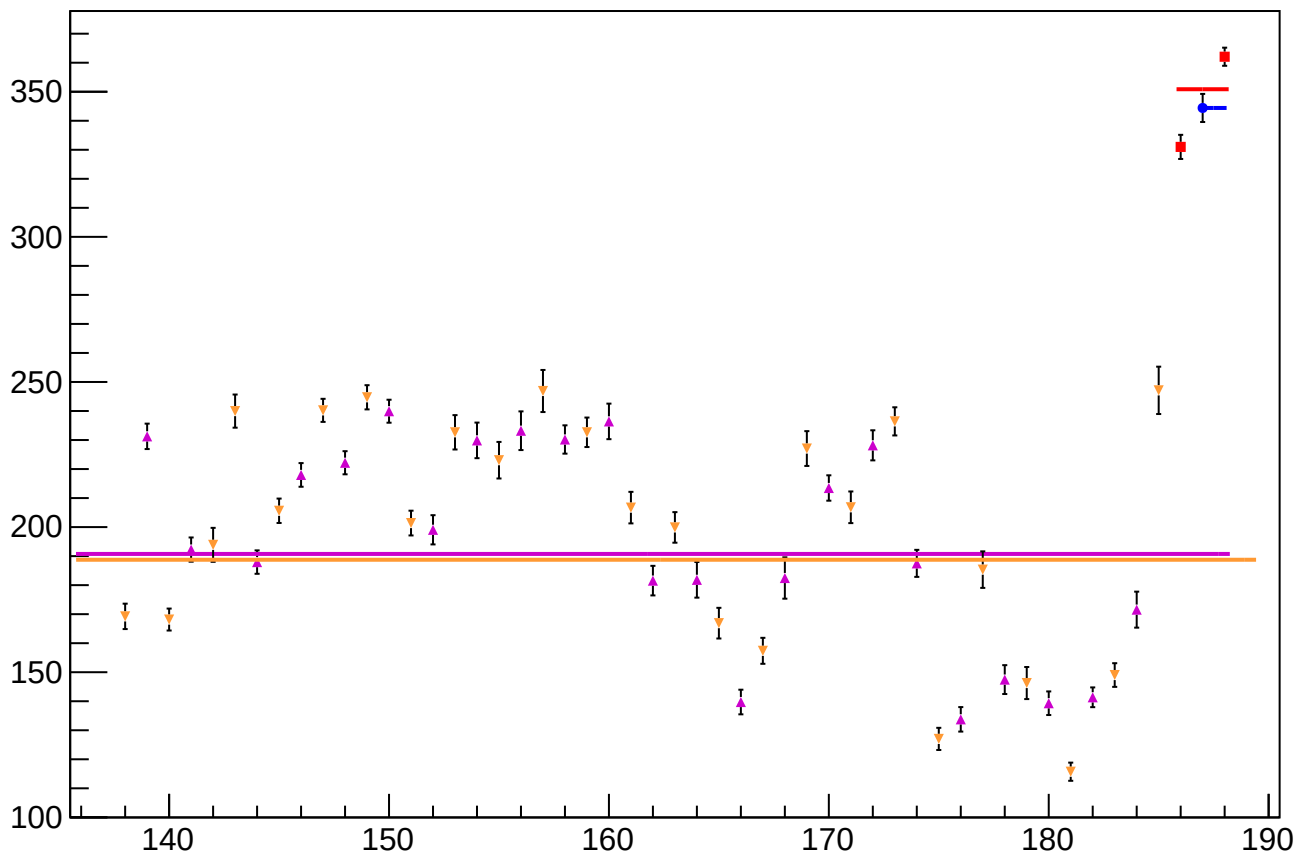
Right: -57.185 ± 0.050 $\chi^2/\text{NDF}: 2299829.3/38$

In: -114.693 ± 0.038 $\chi^2/\text{NDF}: 2357173.5/40$

Out: -117.200 ± 0.038 $\chi^2/\text{NDF}: 2063584.6/45$

All: -115.948 ± 0.027 $\chi^2/\text{NDF}: 4422966.4/86$

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: 350.863 $\pm$ 2.495 χ^2 /NDF: 35.7/1

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

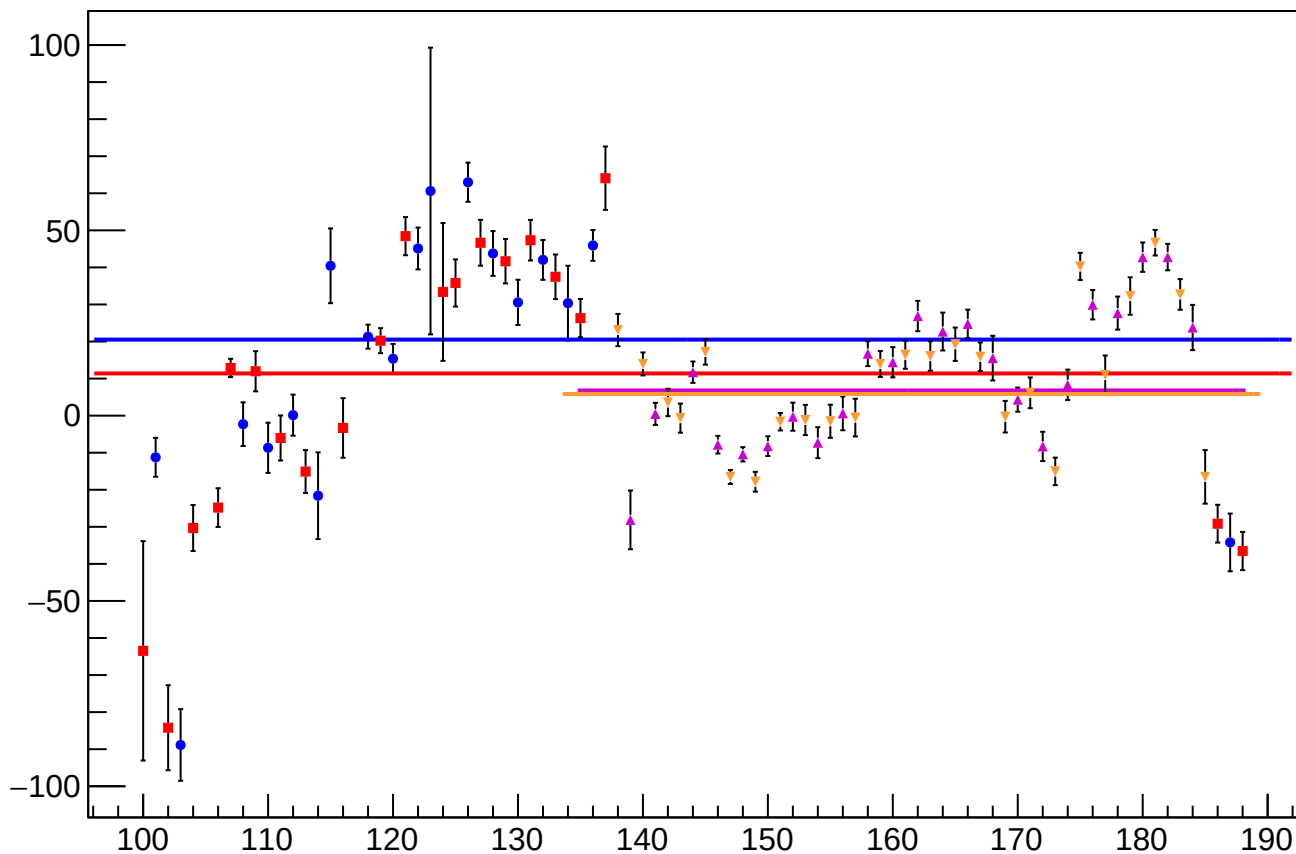
Right: 349.508 $\pm$ 2.218 χ^2 /NDF: 37.1/2

In: 196.697 $\pm$ 0.952 χ^2 /NDF:2390.6/23

Out: 209.578 $\pm$ 0.894 χ^2 /NDF:5683.0/26

All: 203.539 $\pm$ 0.652 χ^2 /NDF: 8170.8/50

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 20.519 ± 1.353 $\chi^2/\text{NDF}: 436.5/17$

Left Out: 5.851 ± 0.714 $\chi^2/\text{NDF}: 650.6/24$

Right Out: 11.387 ± 1.164 $\chi^2/\text{NDF}: 592.4/20$

Left In: 6.797 ± 0.735 $\chi^2/\text{NDF}: 525.8/22$

Left: 6.311 ± 0.512 $\chi^2/\text{NDF}: 1177.3/47$

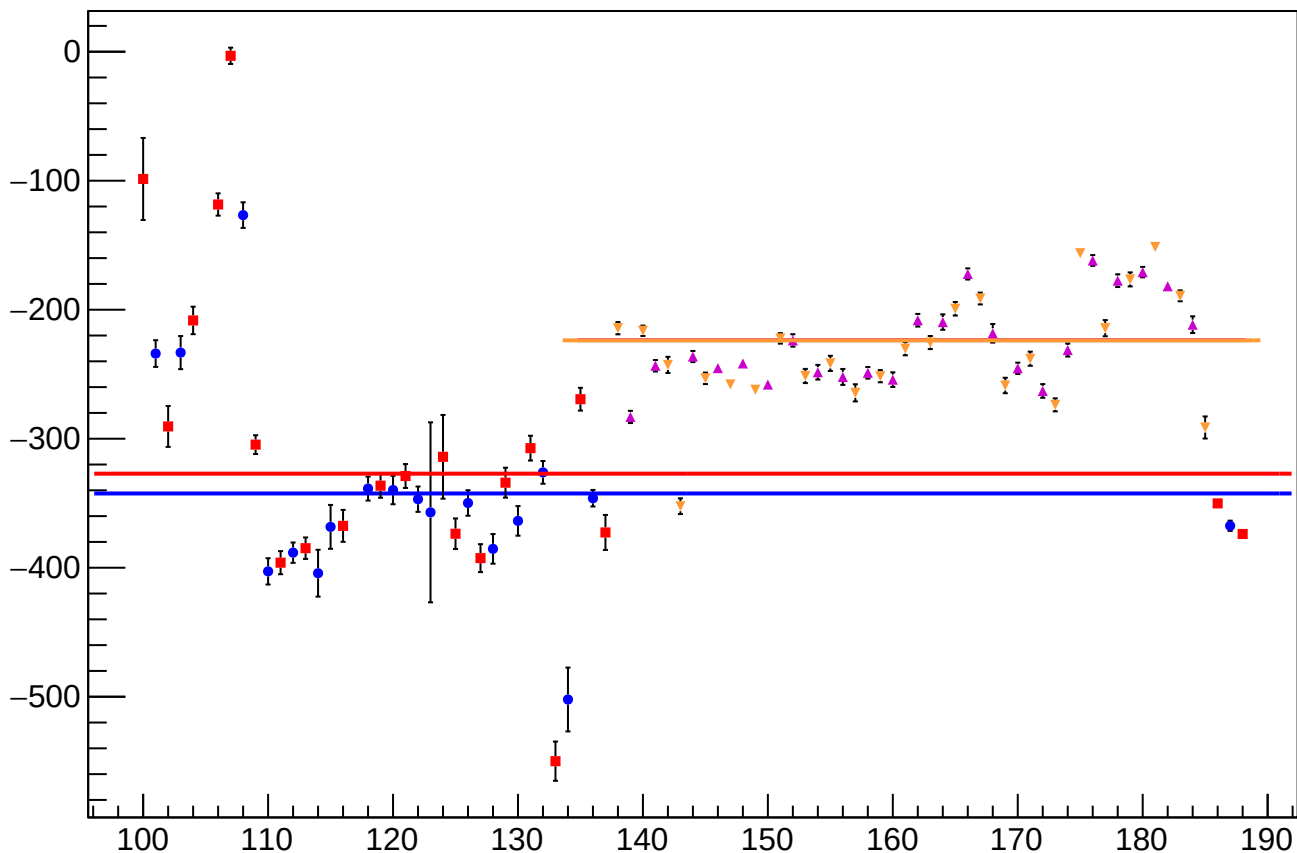
Right: 15.273 ± 0.883 $\chi^2/\text{NDF}: 1055.1/38$

In: 9.922 ± 0.646 $\chi^2/\text{NDF}: 1041.8/40$

Out: 7.365 ± 0.609 $\chi^2/\text{NDF}: 1259.5/45$

All: 8.569 ± 0.443 $\chi^2/\text{NDF}: 2309.6/86$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -342.441 $\pm$ 2.154 χ^2 /NDF: 841.1/17

Left Out: -223.752 $\pm$ 0.958 χ^2 /NDF:2021.5/24

Right Out: -327.091 $\pm$ 1.518 χ^2 /NDF: 4242.4/20

Left In: -223.554 $\pm$ 0.966 χ^2 /NDF:1286.5/22

Left: -223.654 $\pm$ 0.680 χ^2 /NDF: 3308.0/47

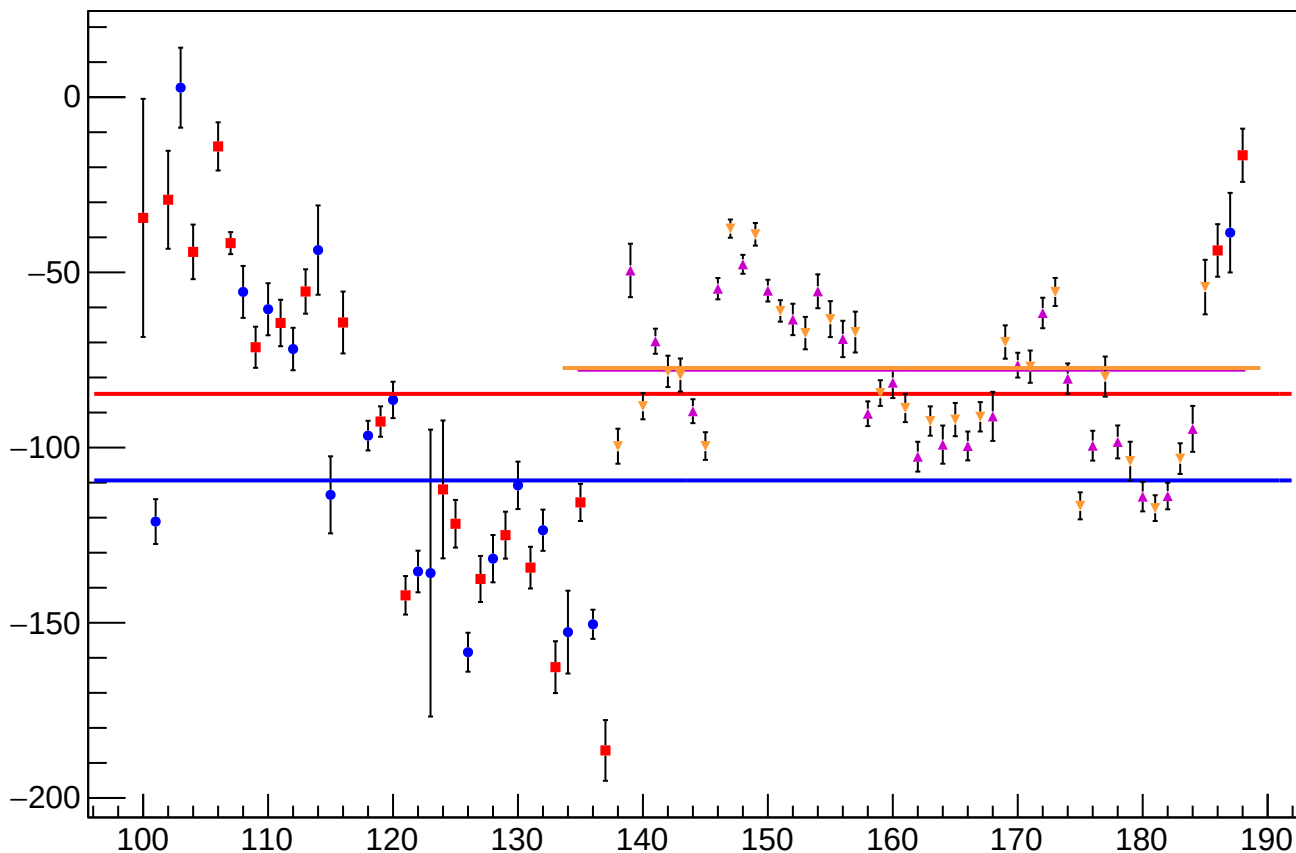
Right: -332.185 $\pm$ 1.241 χ^2 /NDF: 5117.5/38

In: -243.454 $\pm$ 0.881 χ^2 /NDF:4665.1/40

Out: -253.191 $\pm$ 0.810 χ^2 /NDF:9579.0/45

All: -248.730 $\pm$ 0.596 χ^2 /NDF: 14310.3/86

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: -84.673 ± 1.385 χ^2/NDF : 1087.4/20

Left In: -77.777 ± 0.847 χ^2/NDF : 624.5/22

Left: -77.531 ± 0.592 χ^2/NDF : 1469.2/47

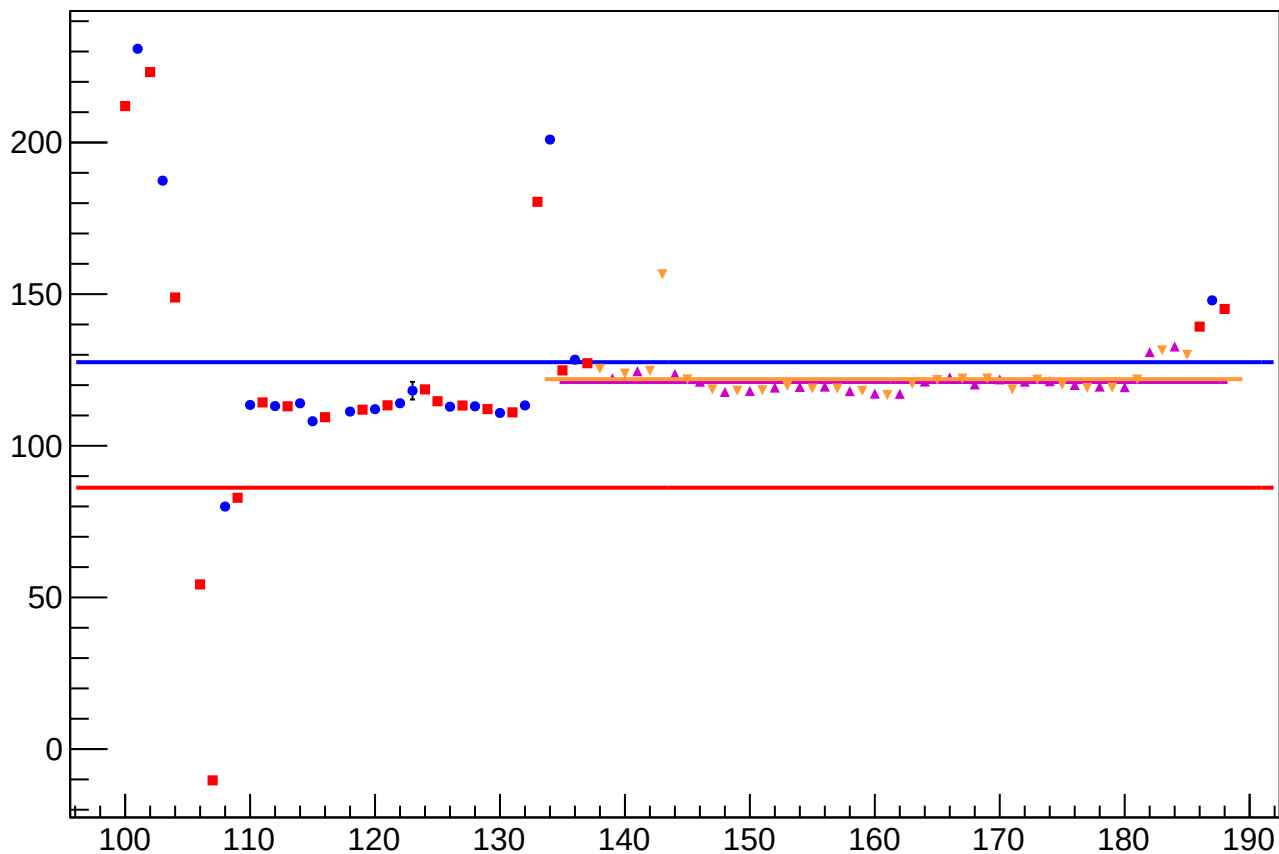
Right: -95.547 ± 1.037 χ^2/NDF : 1780.3/38

In: -84.950 ± 0.744 χ^2/NDF : 1493.6/40

Out: -79.240 ± 0.711 χ^2/NDF : 1952.9/45

All: -81.965 ± 0.514 χ^2/NDF : 3477.2/86

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: 86.188 $\pm$ 0.073 χ^2 /NDF: 803230.7/20

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

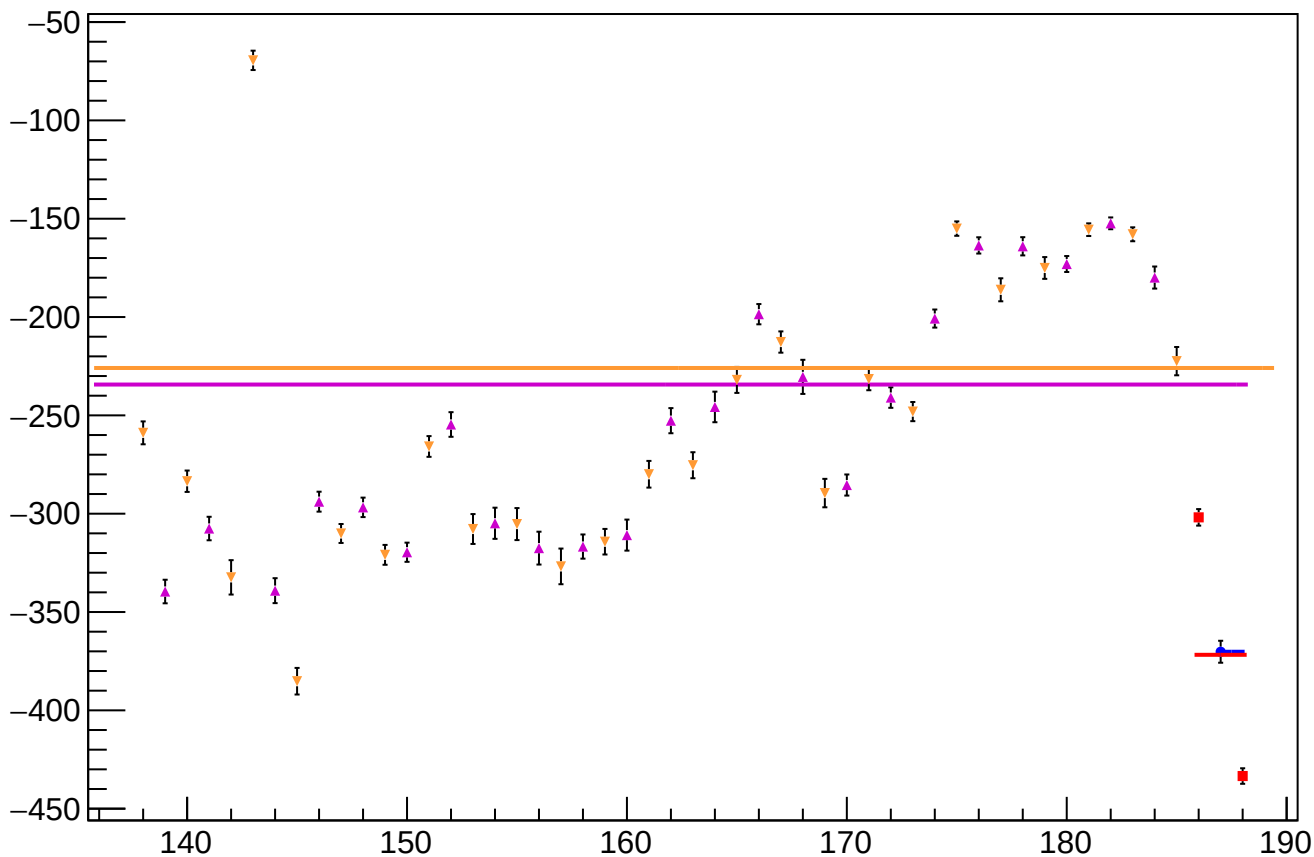
Right: 103.040 $\pm$ 0.056 χ^2 /NDF: 1122849.7/38

In: 122.139 $\pm$ 0.036 χ^2 /NDF: 201534.1/40

Out: 113.885 $\pm$ 0.035 χ^2 /NDF: 1016195.3/45

All: 117.855 $\pm$ 0.025 χ^2 /NDF: 1244864.6/86

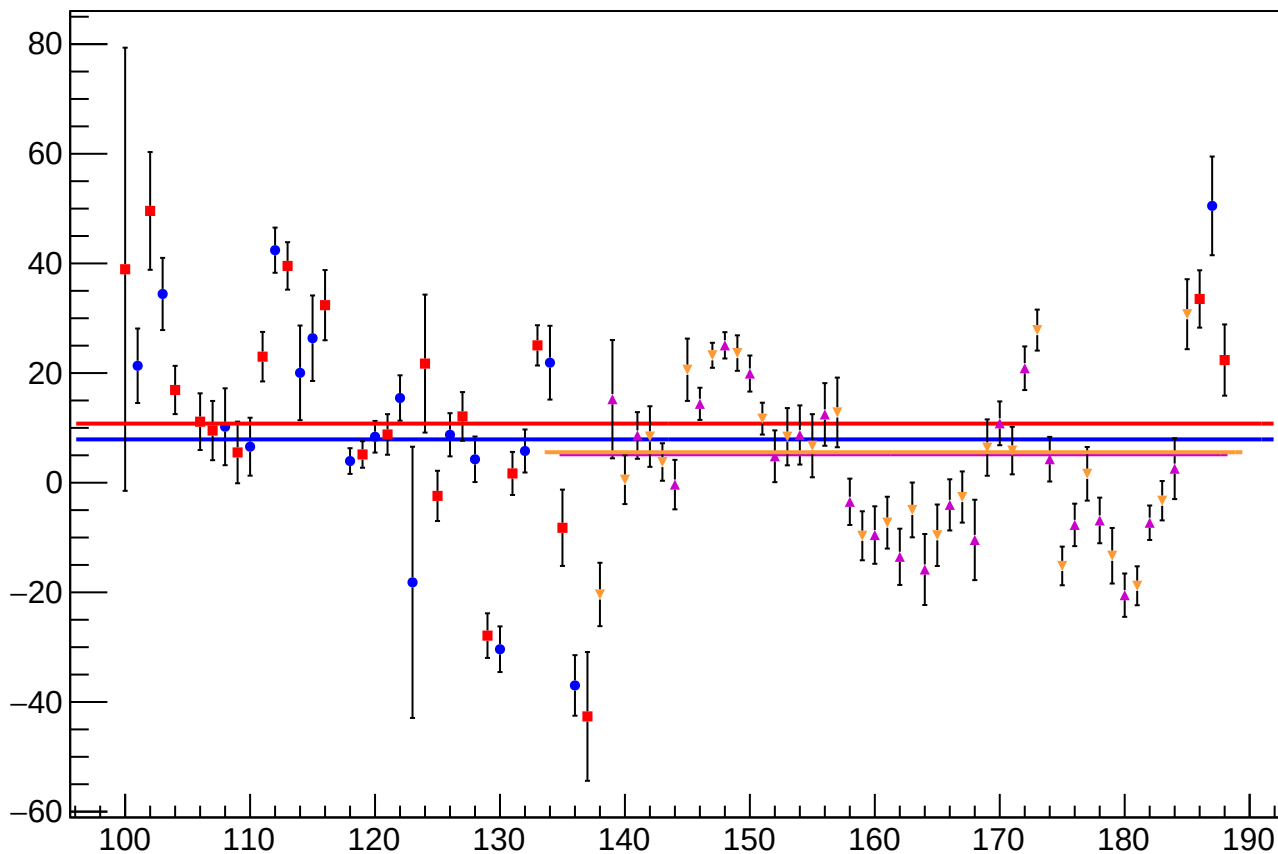
reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -371.762 $\pm$ 2.878 χ^2 /NDF: 520.3/1
 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: -371.435 $\pm$ 2.558 χ^2 /NDF: 520.3/2
 In: -239.442 $\pm$ 1.083 χ^2 /NDF:4161.8/23
 Out: -244.014 $\pm$ 1.014 χ^2 /NDF:7439.4/26
 All: -241.879 $\pm$ 0.740 χ^2 /NDF: 11610.7/50

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: 10.781 ± 1.039 $\chi^2/\text{NDF}: 255.0/20$

Left In: 5.186 ± 0.867 $\chi^2/\text{NDF}: 243.2/22$

Left: 5.380 ± 0.600 $\chi^2/\text{NDF}: 556.7/47$

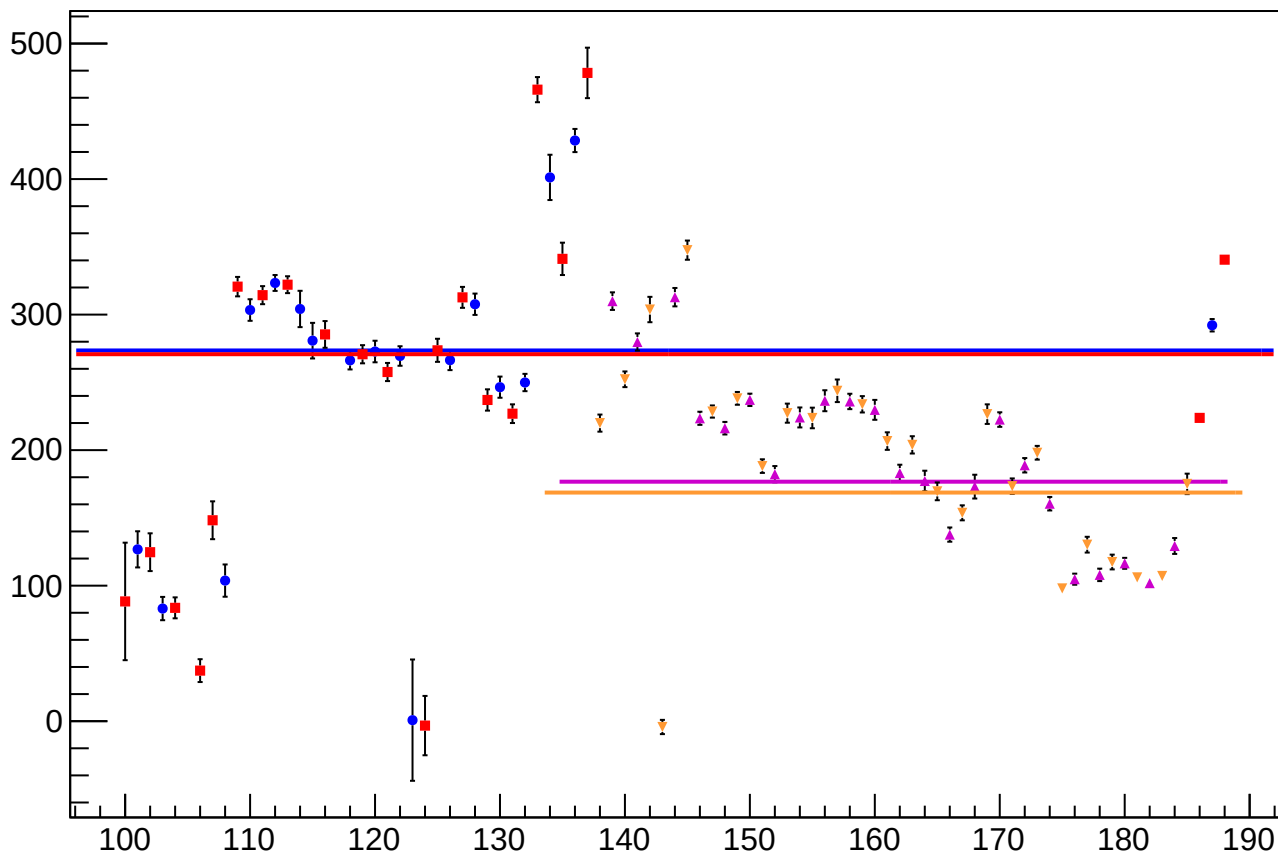
Right: 9.391 ± 0.747 $\chi^2/\text{NDF}: 542.5/38$

In: 6.255 ± 0.675 $\chi^2/\text{NDF}: 530.8/40$

Out: 7.599 ± 0.649 $\chi^2/\text{NDF}: 583.9/45$

All: 6.953 ± 0.468 $\chi^2/\text{NDF}: 1116.7/86$

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: 270.778 $\pm$ 1.503 χ^2 /NDF: 3243.8/20

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

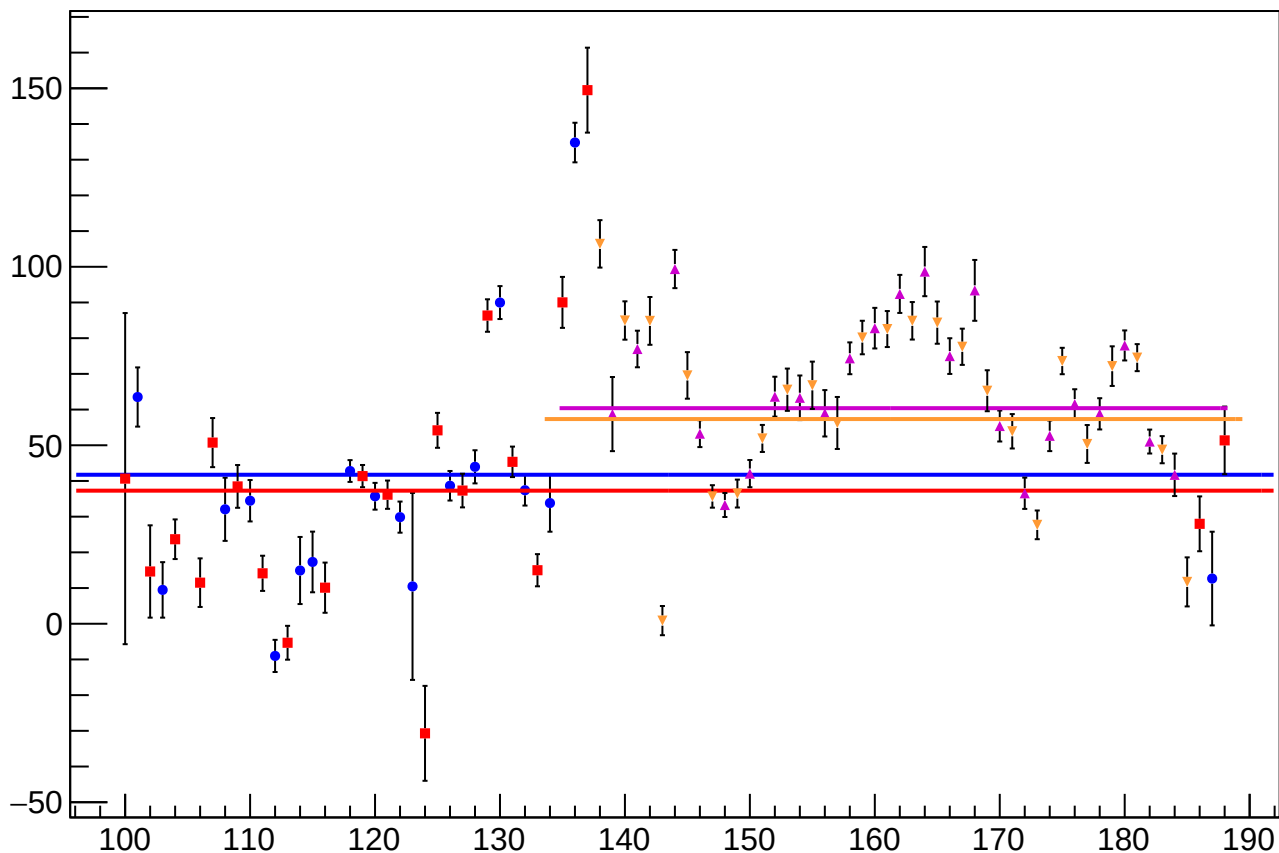
Right: 271.849 $\pm$ 1.176 χ^2 /NDF: 4639.0/38

In: 201.313 $\pm$ 0.952 χ^2 /NDF: 6590.3/40

Out: 203.720 $\pm$ 0.881 χ^2 /NDF: 10510.7/45

All: 202.610 $\pm$ 0.646 χ^2 /NDF: 17104.5/86

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.740 ± 1.250 $\chi^2/\text{NDF}: 580.5/17$

Left Out: 57.343 ± 0.956 $\chi^2/\text{NDF}: 641.5/24$

Right Out: 37.283 ± 1.211 $\chi^2/\text{NDF}: 476.3/20$

Left In: 60.392 ± 0.987 $\chi^2/\text{NDF}: 341.2/22$

Left: 58.819 ± 0.687 $\chi^2/\text{NDF}: 987.6/47$

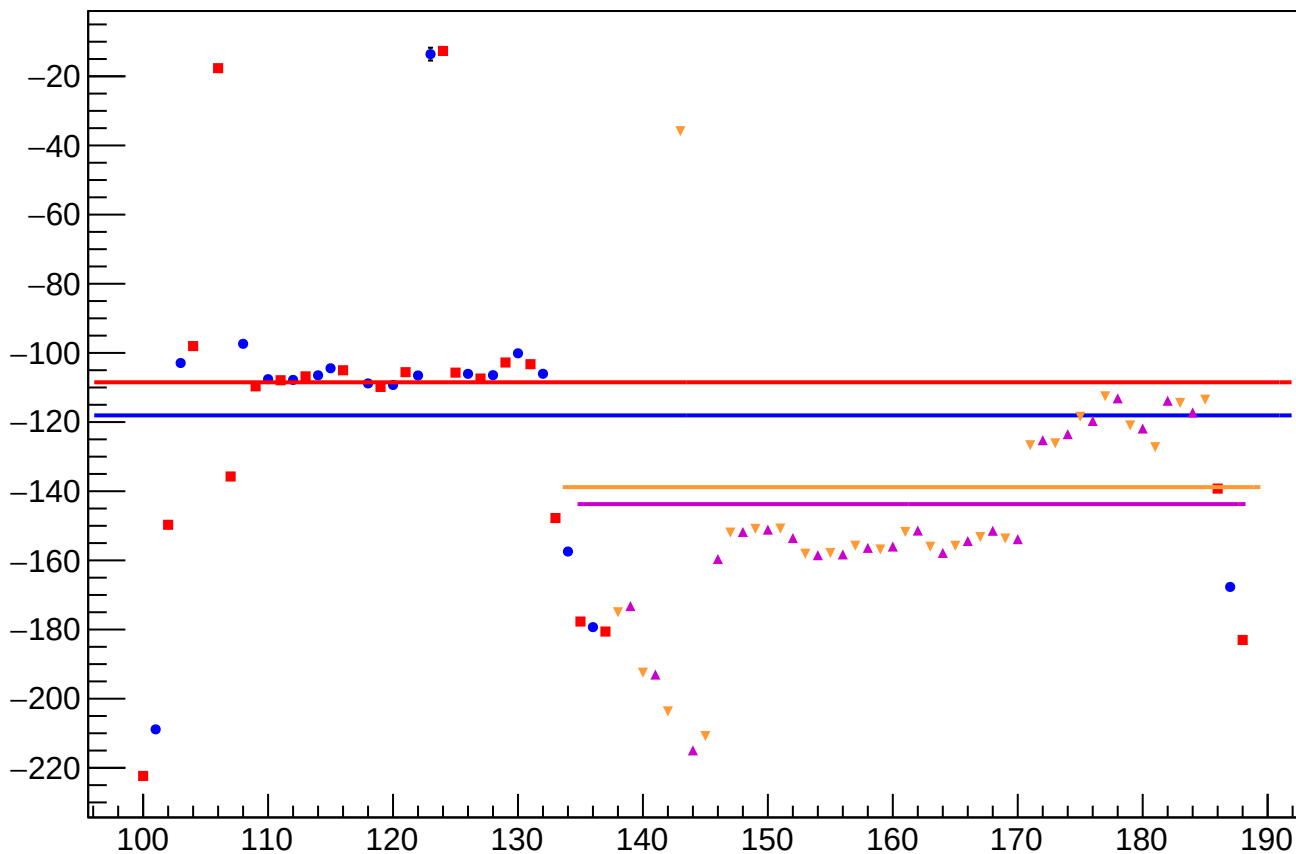
Right: 39.442 ± 0.870 $\chi^2/\text{NDF}: 1063.4/38$

In: 53.226 ± 0.775 $\chi^2/\text{NDF}: 1058.9/40$

Out: 49.643 ± 0.751 $\chi^2/\text{NDF}: 1286.7/45$

All: 51.378 ± 0.539 $\chi^2/\text{NDF}: 2356.7/86$

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: -108.493+/-0.071 χ^2/NDF : 357531.5/20

Left In: -143.726+/-0.046 χ^2/NDF : 260994.5/22

Left: -141.241+/-0.032 χ^2/NDF : 792316.4/47

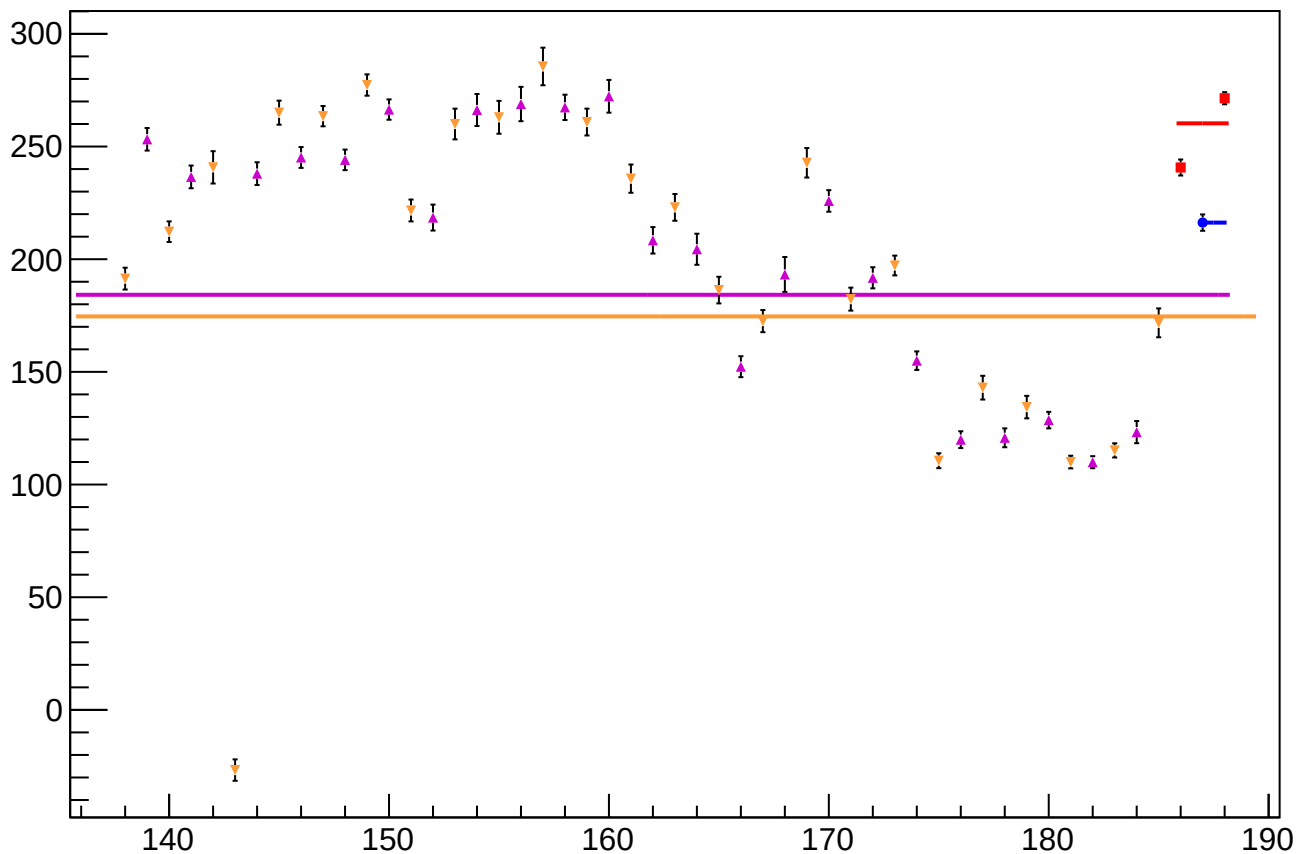
Right: -112.871+/-0.052 χ^2/NDF : 512374.5/38

In: -137.071+/-0.040 χ^2/NDF : 488591.7/40

Out: -130.080+/-0.038 χ^2/NDF : 1012231.7/45

All: -133.460+/-0.027 χ^2/NDF : 1516995.5/86

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: 260.292 $\pm$ 2.144 χ^2 /NDF: 47.5/1

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

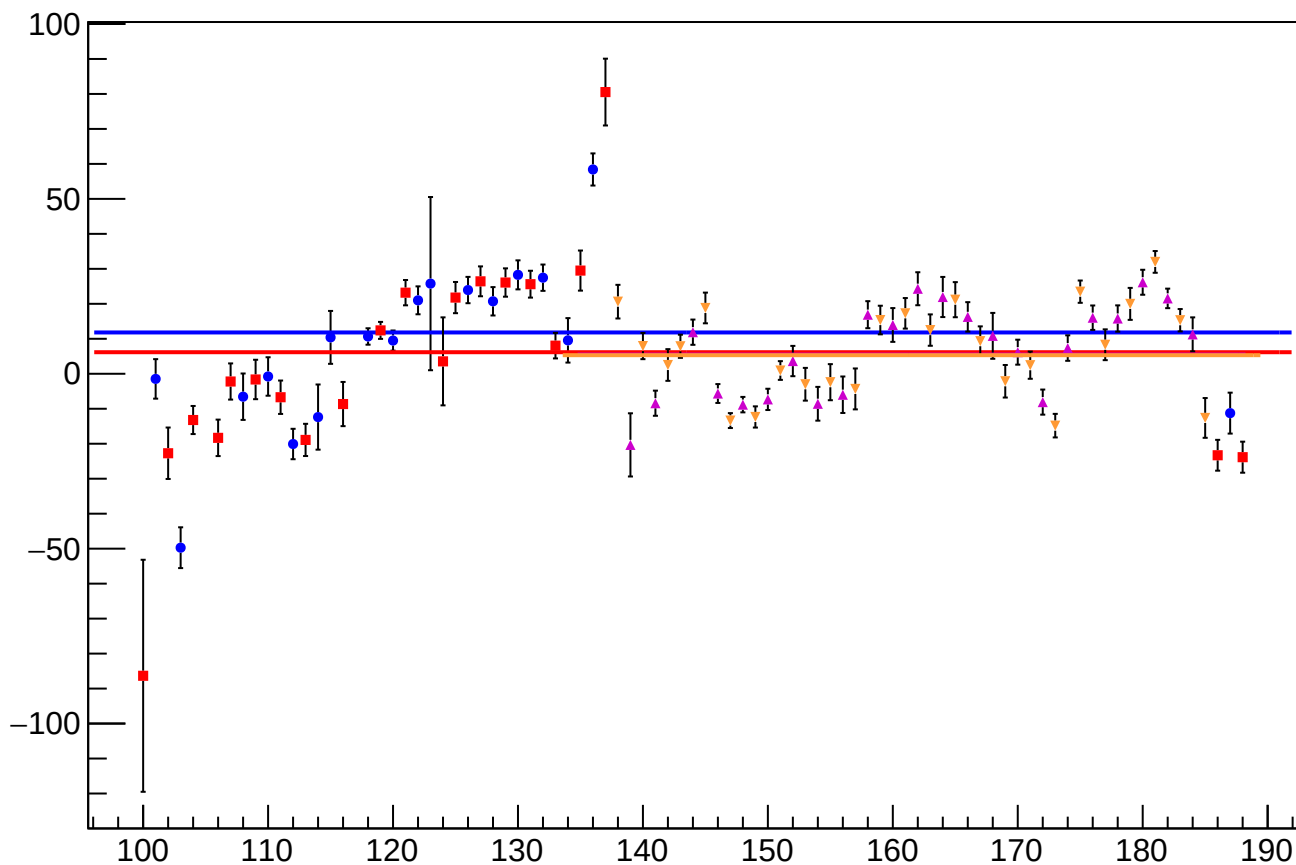
Right: 248.905 $\pm$ 1.846 χ^2 /NDF: 156.6/2

In: 186.409 $\pm$ 0.952 χ^2 /NDF:3709.6/23

Out: 189.147 $\pm$ 0.883 χ^2 /NDF:6925.1/26

All: 187.881 $\pm$ 0.647 χ^2 /NDF: 10639.1/50

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: 6.163+/-0.996 χ^2/NDF : 396.9/20

Left In: 5.483+/-0.779 χ^2/NDF :259.1/22

Left: 5.396+/-0.540 χ^2/NDF : 604.2/47

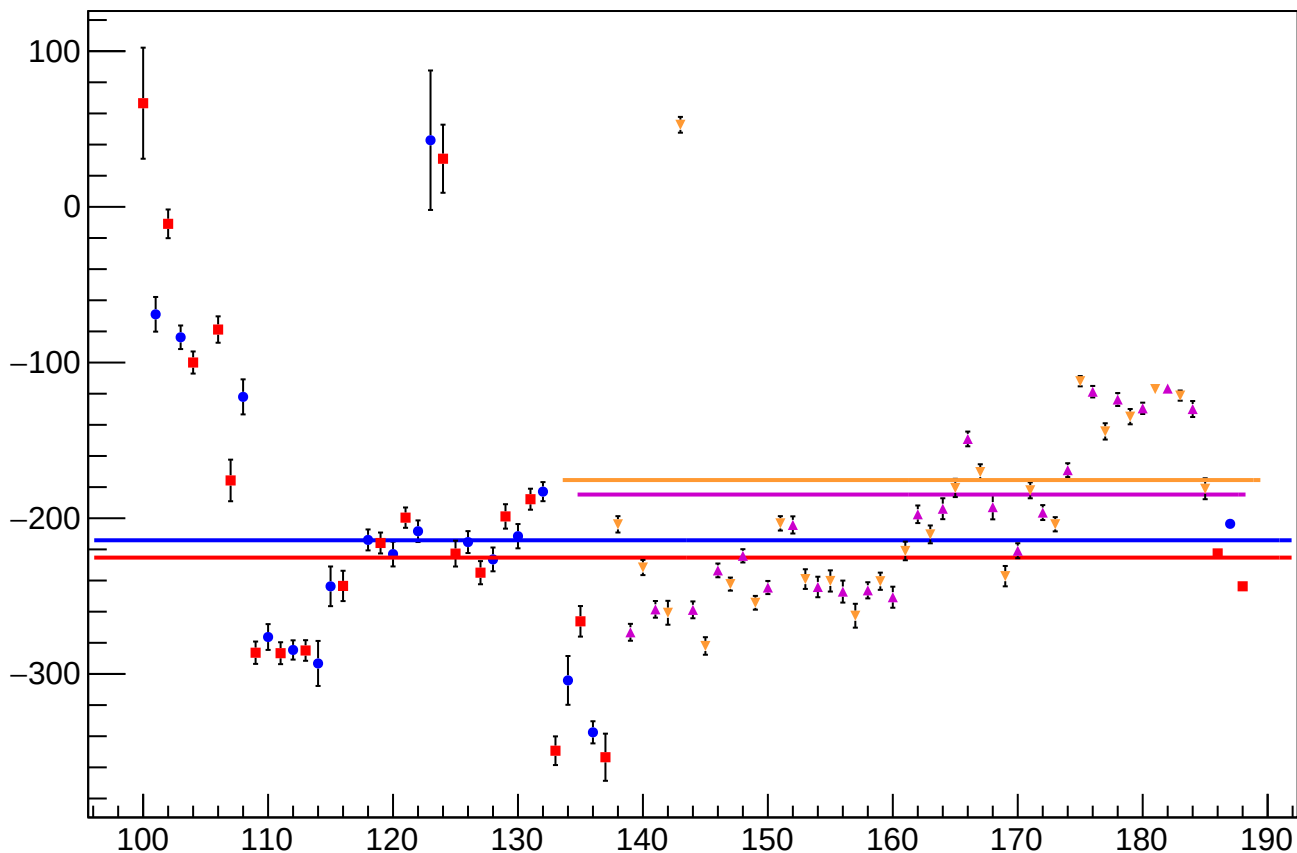
Right: 8.867+/-0.719 χ^2/NDF : 776.1/38

In: 7.760+/-0.623 χ^2/NDF :646.6/40

Out: 5.621+/-0.599 χ^2/NDF :742.5/45

All: 6.649+/-0.432 χ^2/NDF : 1395.2/86

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -214.147 $\pm$ 1.665 χ^2 /NDF: 1164.8/17

Left Out: -175.470 $\pm$ 0.974 χ^2 /NDF:5103.8/24

Right Out: -225.272 $\pm$ 1.284 χ^2 /NDF: 2007.3/20

Left In: -184.774 $\pm$ 0.987 χ^2 /NDF:3082.4/22

Left: -180.060 $\pm$ 0.693 χ^2 /NDF: 8231.2/47

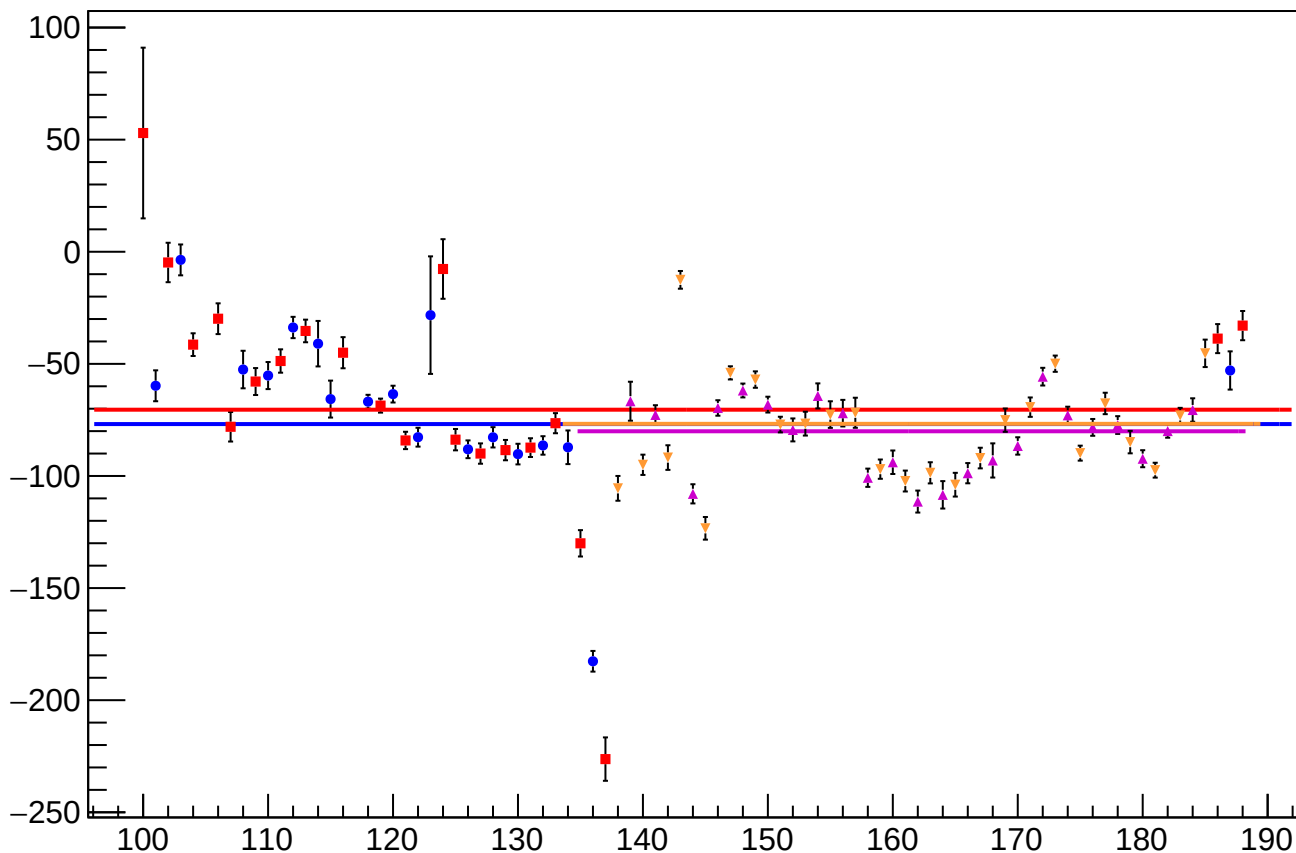
Right: -221.123 $\pm$ 1.017 χ^2 /NDF: 3200.1/38

In: -192.412 $\pm$ 0.849 χ^2 /NDF:4477.6/40

Out: -193.661 $\pm$ 0.776 χ^2 /NDF:8066.4/45

All: -193.093 $\pm$ 0.573 χ^2 /NDF: 12545.2/86

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: -70.442 ± 1.169 $\chi^2/\text{NDF}: 733.9/20$

Left In: -80.068 ± 0.886 $\chi^2/\text{NDF}: 286.8/22$

Left: -78.359 ± 0.617 $\chi^2/\text{NDF}: 1040.8/47$

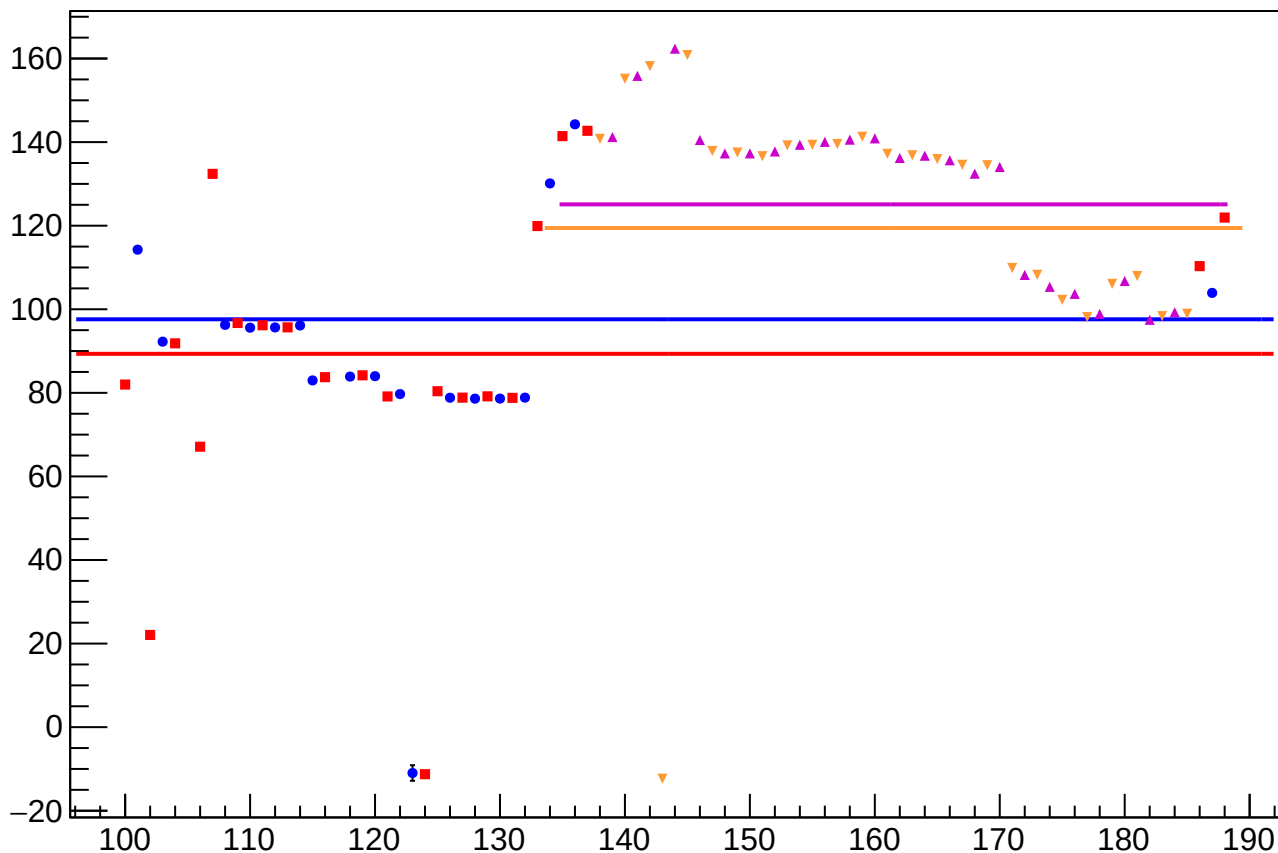
Right: -73.544 ± 0.840 $\chi^2/\text{NDF}: 1573.7/38$

In: -78.942 ± 0.714 $\chi^2/\text{NDF}: 1116.7/40$

Out: -74.530 ± 0.693 $\chi^2/\text{NDF}: 1499.5/45$

All: -76.669 ± 0.497 $\chi^2/\text{NDF}: 2635.9/86$

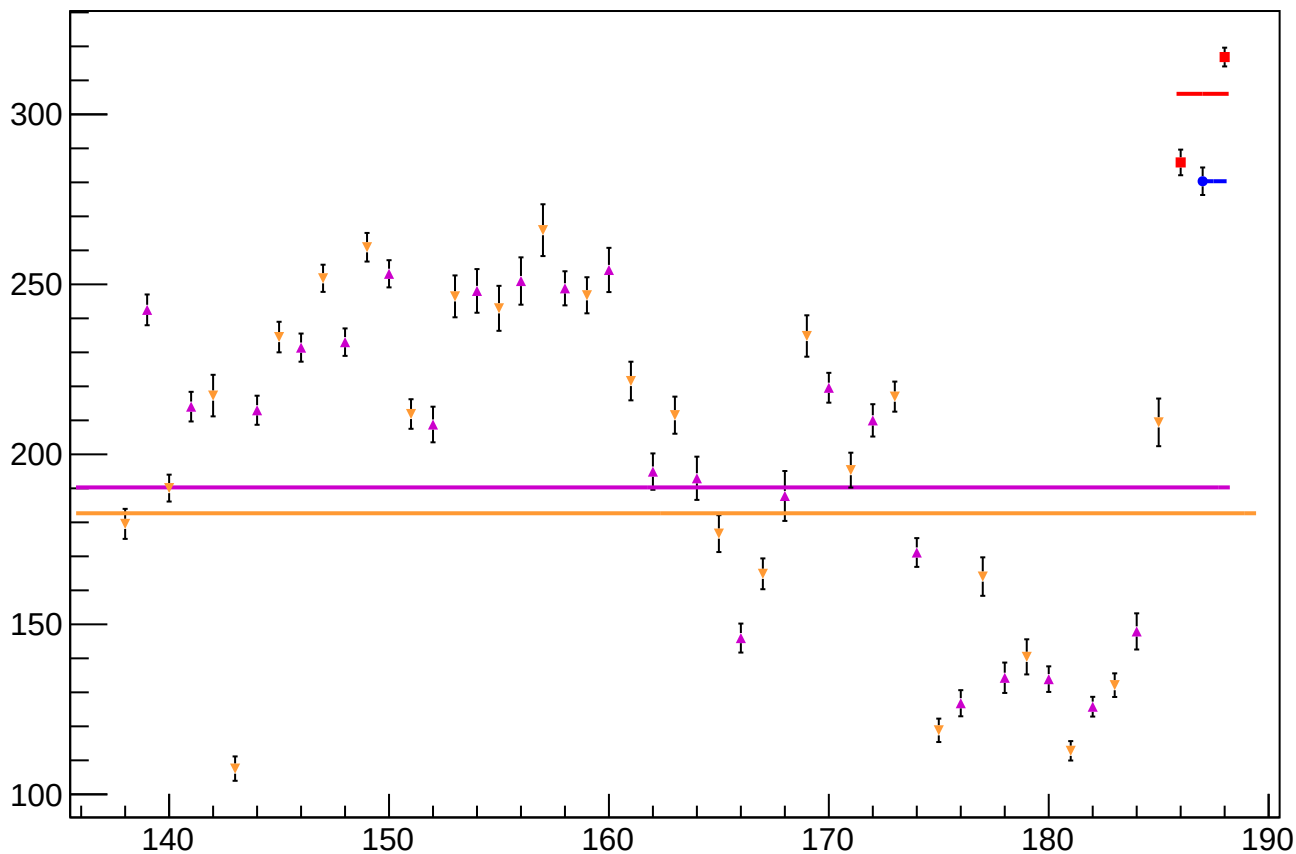
reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 89.338 $\pm$ 0.066 χ^2 /NDF: 235726.1/20
 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: 93.084 $\pm$ 0.049 χ^2 /NDF: 337486.3/38
 In: 118.403 $\pm$ 0.036 χ^2 /NDF: 426515.7/40
 Out: 111.169 $\pm$ 0.035 χ^2 /NDF: 1046824.9/45
 All: 114.668 $\pm$ 0.025 χ^2 /NDF: 1494488.4/86

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: 306.044 $\pm$ 2.226 χ^2/NDF : 44.1/1

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

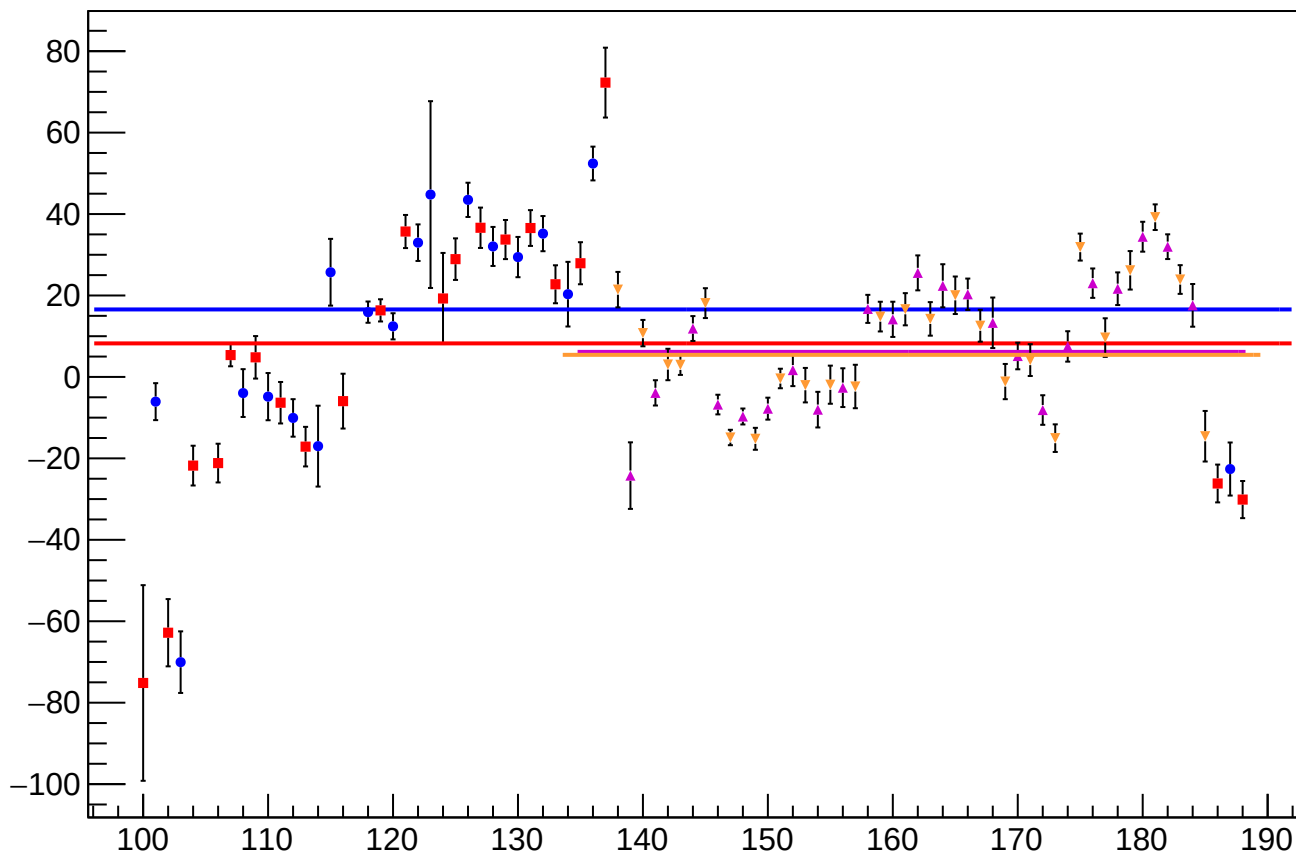
Right: 300.073 $\pm$ 1.950 χ^2/NDF : 75.0/2

In: 194.972 $\pm$ 0.924 χ^2/NDF :2922.2/23

Out: 200.624 $\pm$ 0.849 χ^2/NDF :5899.8/26

All: 198.036 $\pm$ 0.625 χ^2/NDF : 8842.4/50

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: 8.236+/-1.030 χ^2/NDF : 583.4/20

Left In: 6.151+/-0.730 χ^2/NDF : 410.6/22

Left: 5.769+/-0.502 χ^2/NDF : 936.2/47

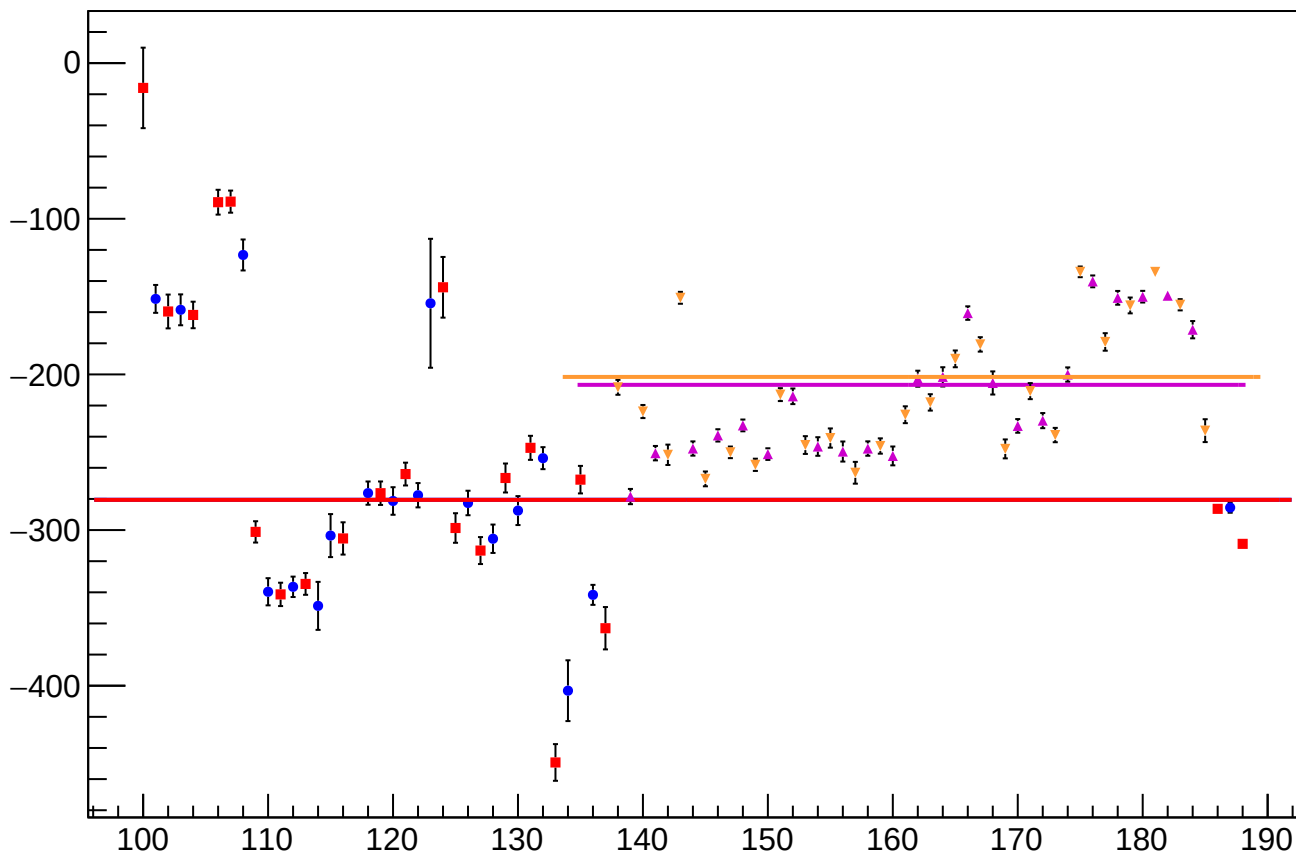
Right: 12.023+/-0.761 χ^2/NDF : 1045.6/38

In: 9.223+/-0.613 χ^2/NDF : 903.1/40

Out: 6.300+/-0.575 χ^2/NDF : 1113.7/45

All: 7.668+/-0.419 χ^2/NDF : 2028.8/86

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: -280.601 ± 1.339 χ^2/NDF : 2367.8/20

Left In: -206.700 ± 0.946 χ^2/NDF : 2134.9/22

Left: -204.091 ± 0.660 χ^2/NDF : 4612.2/47

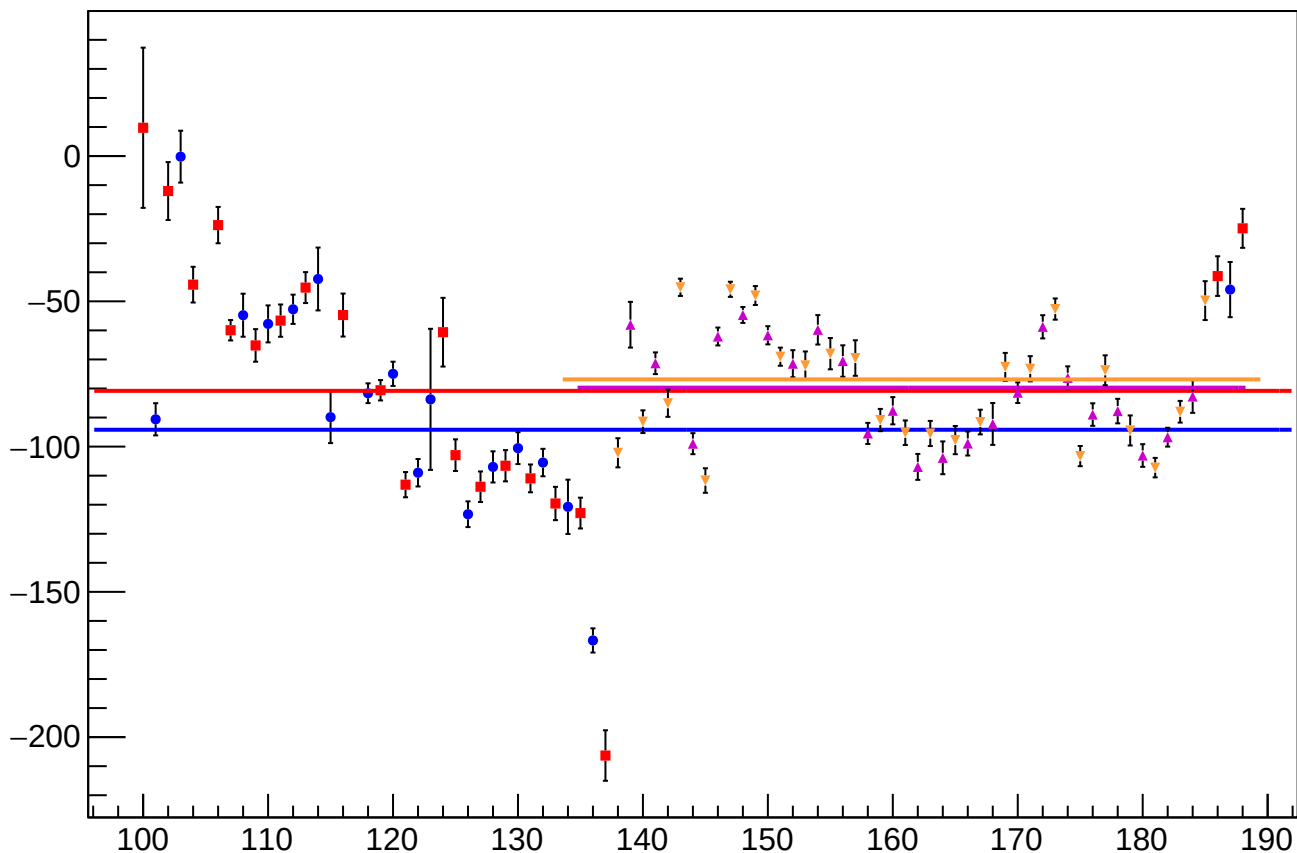
Right: -280.575 ± 1.078 χ^2/NDF : 3281.6/38

In: -222.464 ± 0.839 χ^2/NDF : 4348.9/40

Out: -227.033 ± 0.760 χ^2/NDF : 7190.3/45

All: -224.975 ± 0.563 χ^2/NDF : 11555.5/86

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: -80.812 ± 1.217 χ^2/NDF : 892.8/20

Left In: -79.719 ± 0.837 χ^2/NDF : 415.2/22

Left: -78.232 ± 0.579 χ^2/NDF : 1179.9/47

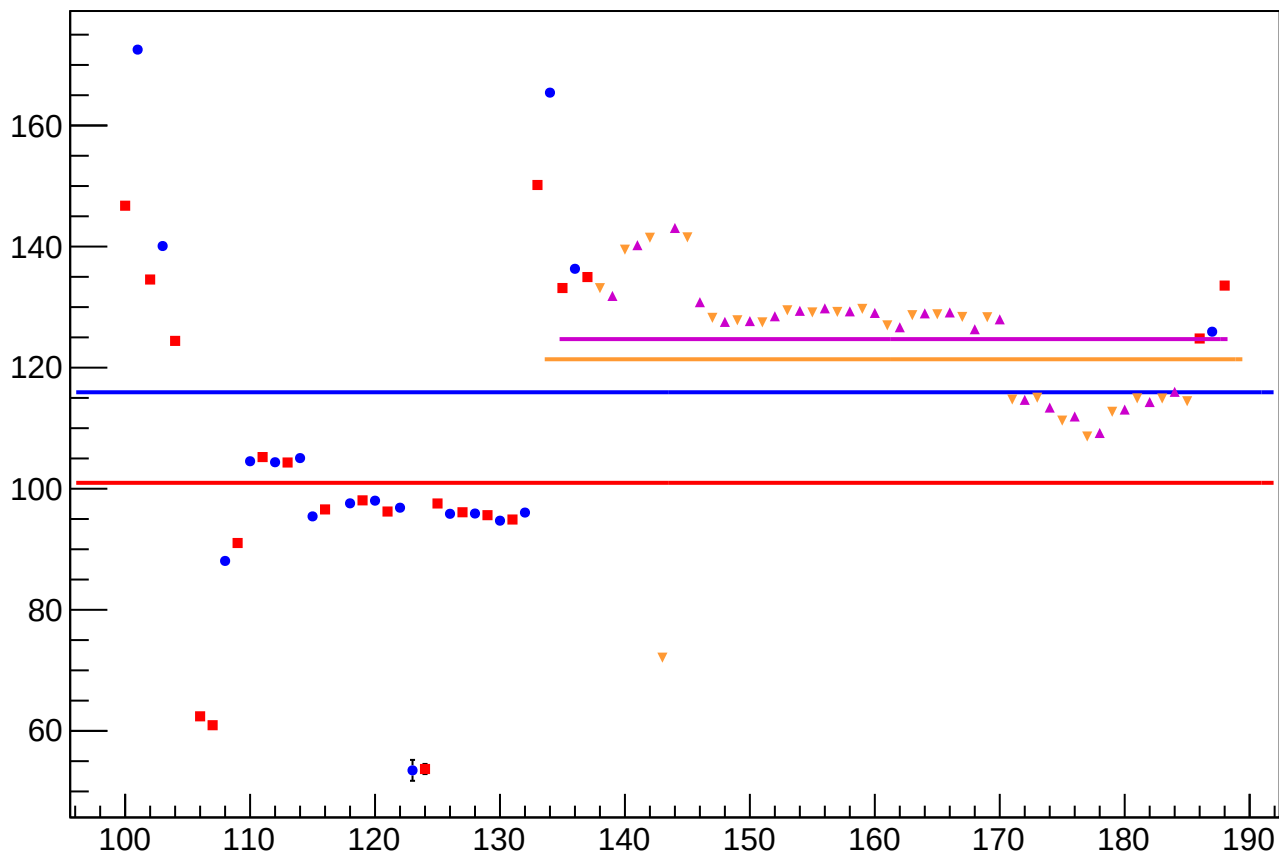
Right: -87.016 ± 0.892 χ^2/NDF : 1650.0/38

In: -83.921 ± 0.706 χ^2/NDF : 1203.1/40

Out: -78.063 ± 0.670 χ^2/NDF : 1658.8/45

All: -80.838 ± 0.486 χ^2/NDF : 2898.2/86

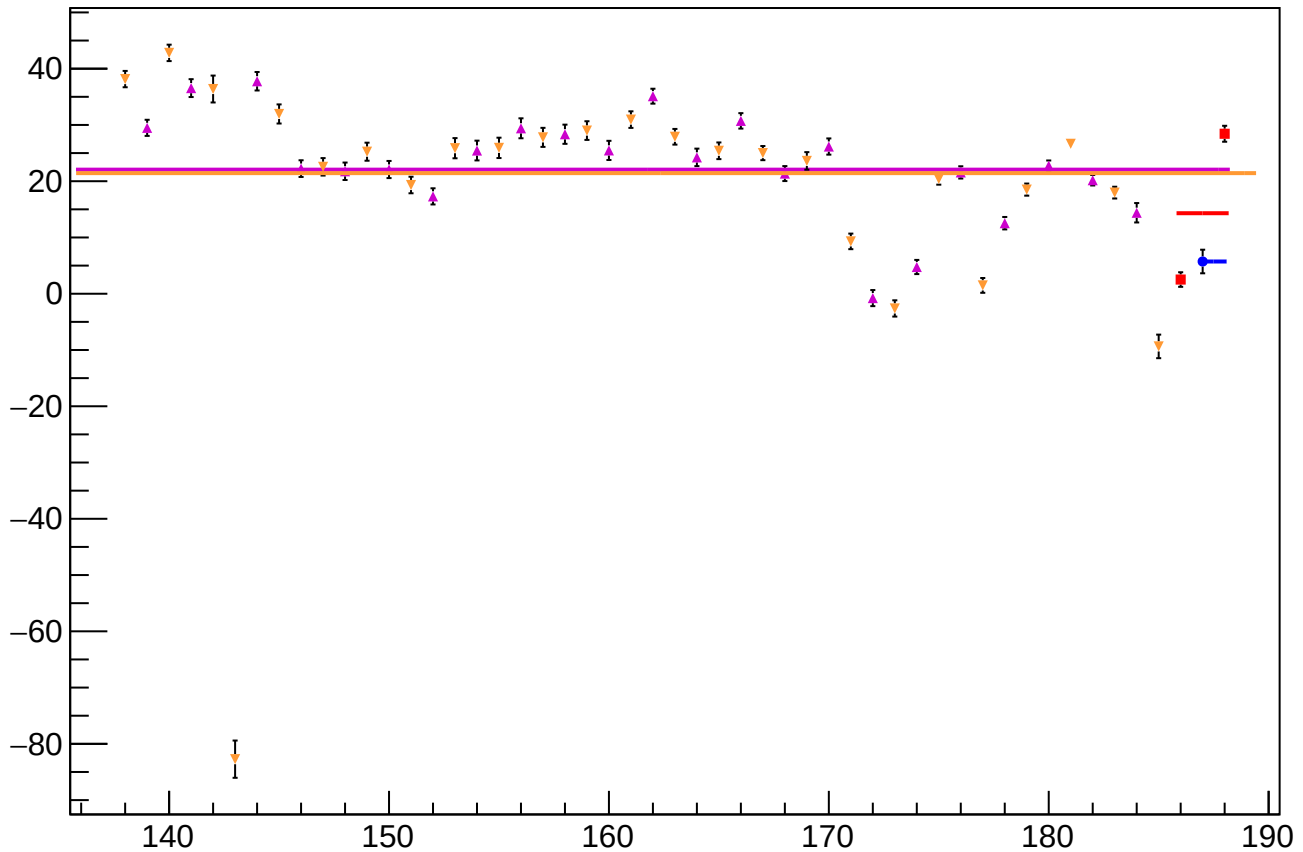
reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.934 $\pm$ 0.077 χ^2 /NDF: 106741.9/17
 Left Out: 121.385 $\pm$ 0.038 χ^2 /NDF:164871.1/24
 Right Out: 100.976 $\pm$ 0.066 χ^2 /NDF: 186756.8/20
 Left In: 124.714 $\pm$ 0.039 χ^2 /NDF:51750.7/22

Left: 123.014 $\pm$ 0.027 χ^2 /NDF: 220328.2/47
 Right: 107.339 $\pm$ 0.050 χ^2 /NDF: 315086.8/38
 In: 122.922 $\pm$ 0.035 χ^2 /NDF:168794.5/40
 Out: 116.299 $\pm$ 0.033 χ^2 /NDF:422561.5/45
 All: 119.443 $\pm$ 0.024 χ^2 /NDF: 610311.7/86

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: 14.311 $\pm$ 0.956 χ^2 /NDF: 182.1/1

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

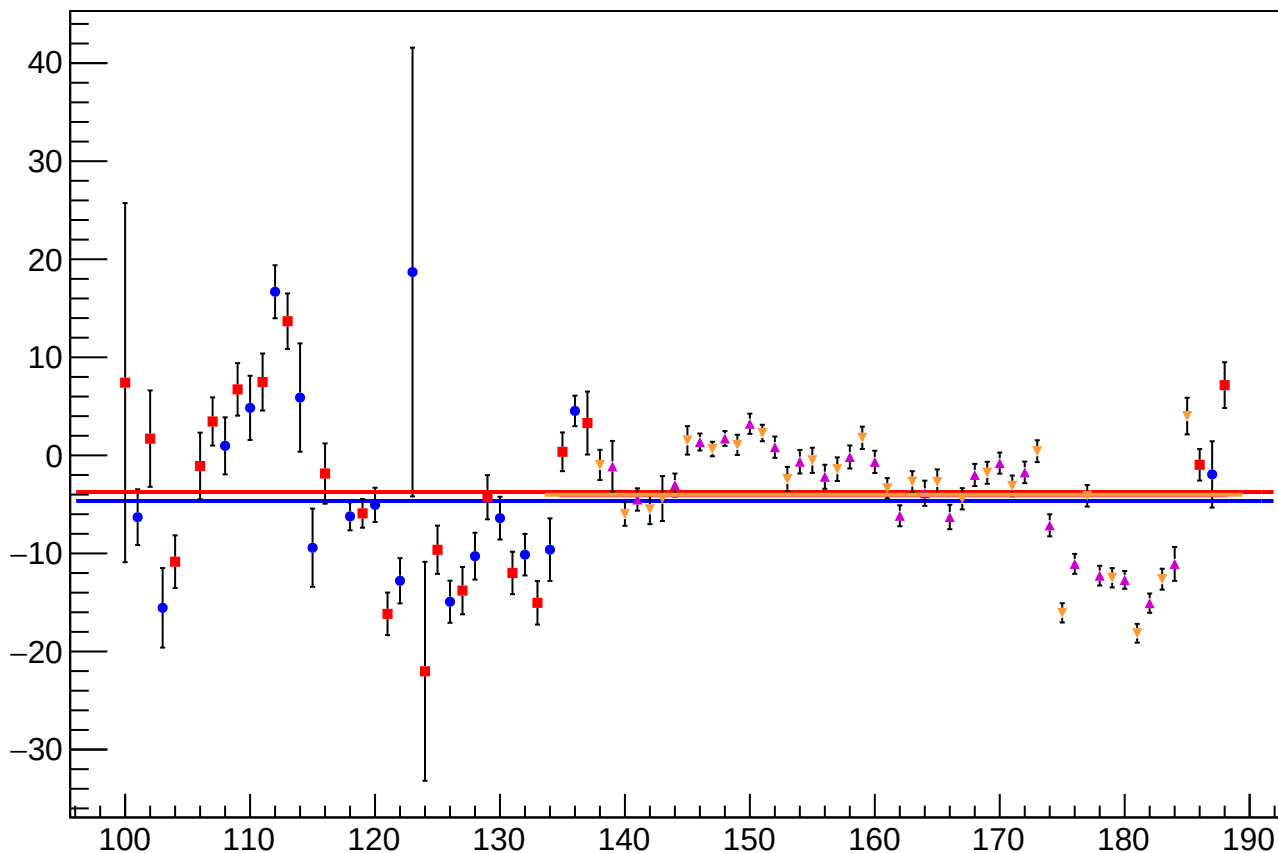
Right: 12.835 $\pm$ 0.870 χ^2 /NDF: 196.0/2

In: 21.760 $\pm$ 0.282 χ^2 /NDF:1000.8/23

Out: 20.863 $\pm$ 0.271 χ^2 /NDF:2639.4/26

All: 21.294 $\pm$ 0.195 χ^2 /NDF: 3645.5/50

reg_asym_atl_dd_atr_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: -3.739 ± 0.536 $\chi^2/\text{NDF}: 221.5/20$

Left In: -4.069 ± 0.227 $\chi^2/\text{NDF}: 580.1/22$

Left: -4.042 ± 0.159 $\chi^2/\text{NDF}: 1311.8/47$

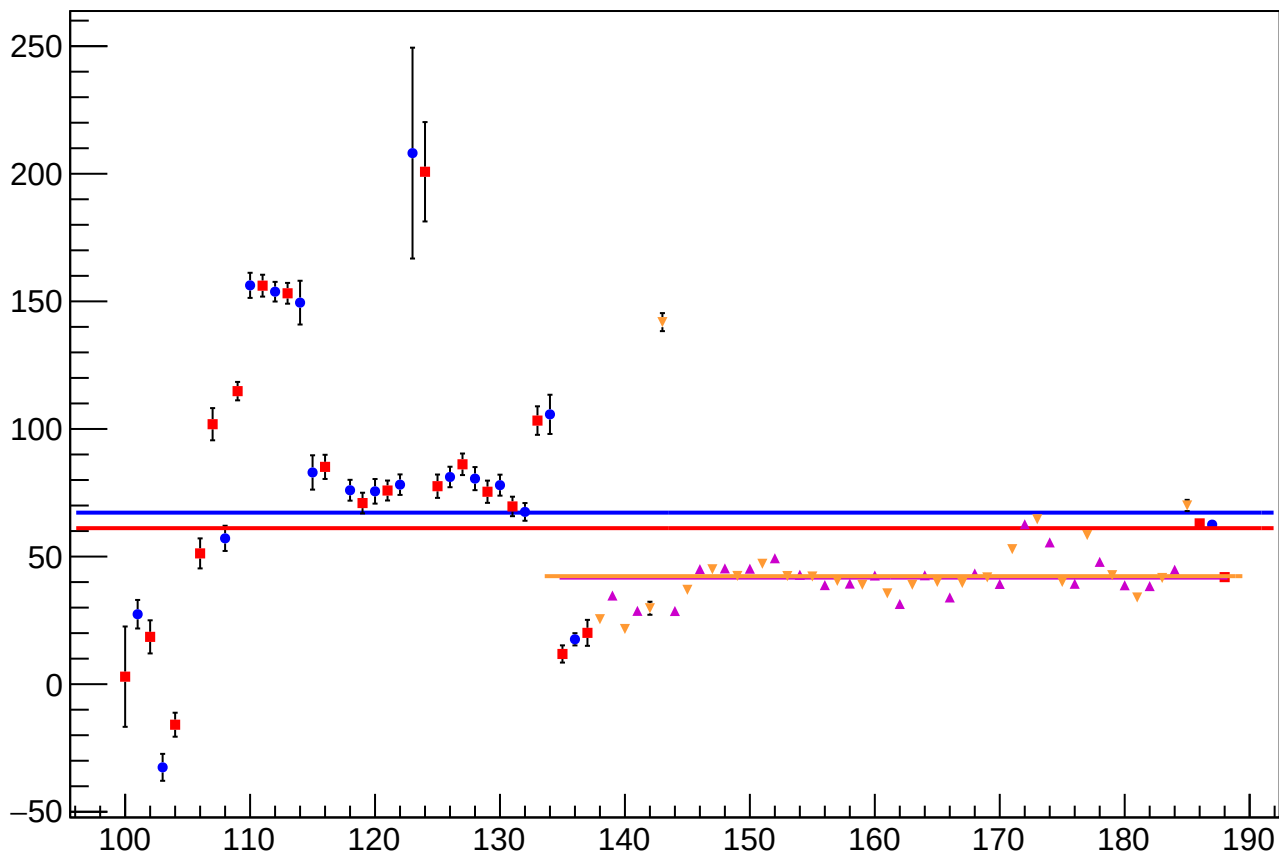
Right: -4.165 ± 0.391 $\chi^2/\text{NDF}: 398.3/38$

In: -4.149 ± 0.211 $\chi^2/\text{NDF}: 756.5/40$

Out: -3.974 ± 0.206 $\chi^2/\text{NDF}: 953.4/45$

All: -4.059 ± 0.148 $\chi^2/\text{NDF}: 1710.2/86$

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 67.214+/-0.913 χ^2/NDF : 1858.2/17

Left Out: 42.322+/-0.282 χ^2/NDF : 1855.5/24

Right Out: 61.130+/-0.625 χ^2/NDF : 2369.1/20

Left In: 41.755+/-0.283 χ^2/NDF : 659.6/22

Left: 42.039+/-0.200 χ^2/NDF : 2517.1/47

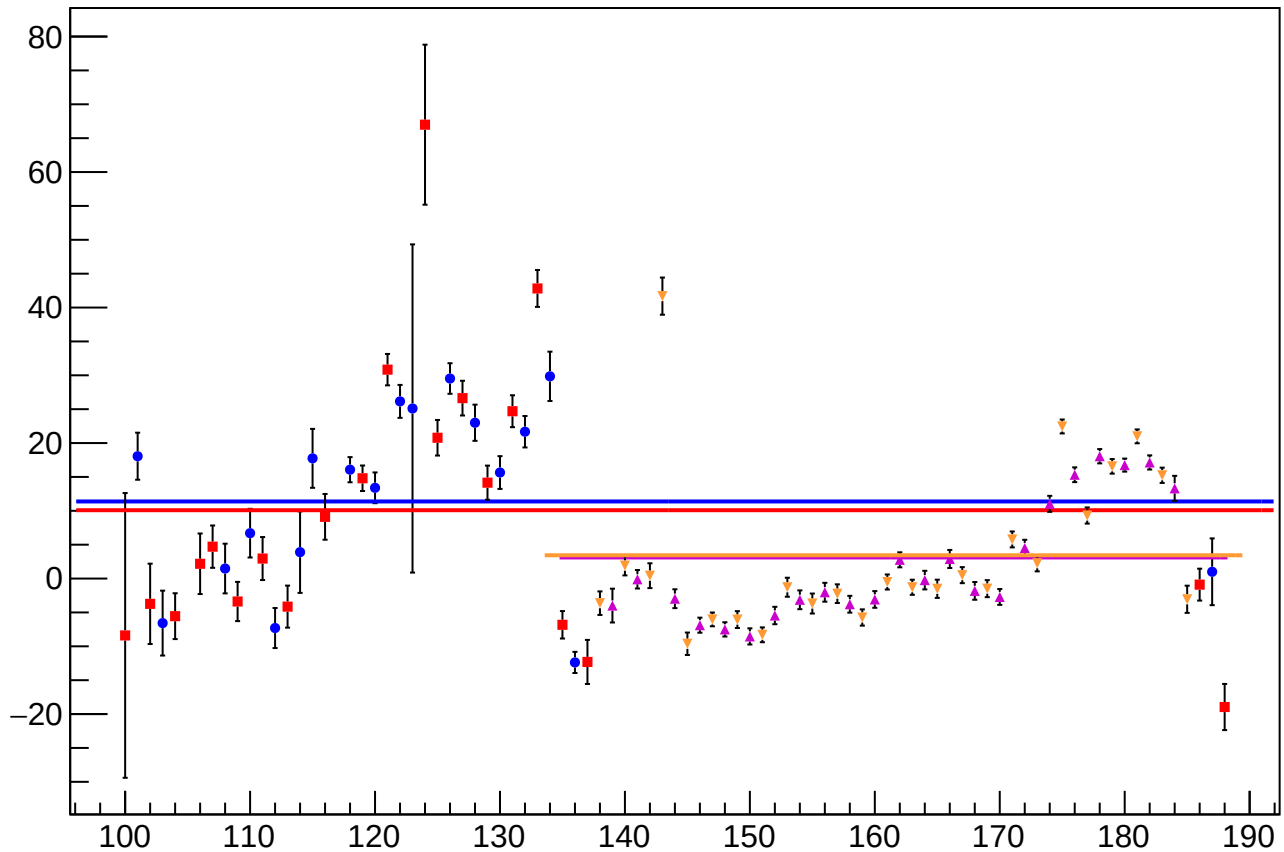
Right: 63.070+/-0.516 χ^2/NDF : 4257.5/38

In: 43.986+/-0.270 χ^2/NDF : 3227.1/40

Out: 45.508+/-0.257 χ^2/NDF : 4977.7/45

All: 44.785+/-0.186 χ^2/NDF : 8221.4/86

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.380 ± 0.652 $\chi^2/\text{NDF}: 482.7/17$

Left Out: 3.439 ± 0.252 $\chi^2/\text{NDF}: 1647.7/24$

Right Out: 10.089 ± 0.629 $\chi^2/\text{NDF}: 646.7/20$

Left In: 3.114 ± 0.256 $\chi^2/\text{NDF}: 1273.1/22$

Left: 3.279 ± 0.180 $\chi^2/\text{NDF}: 2921.5/47$

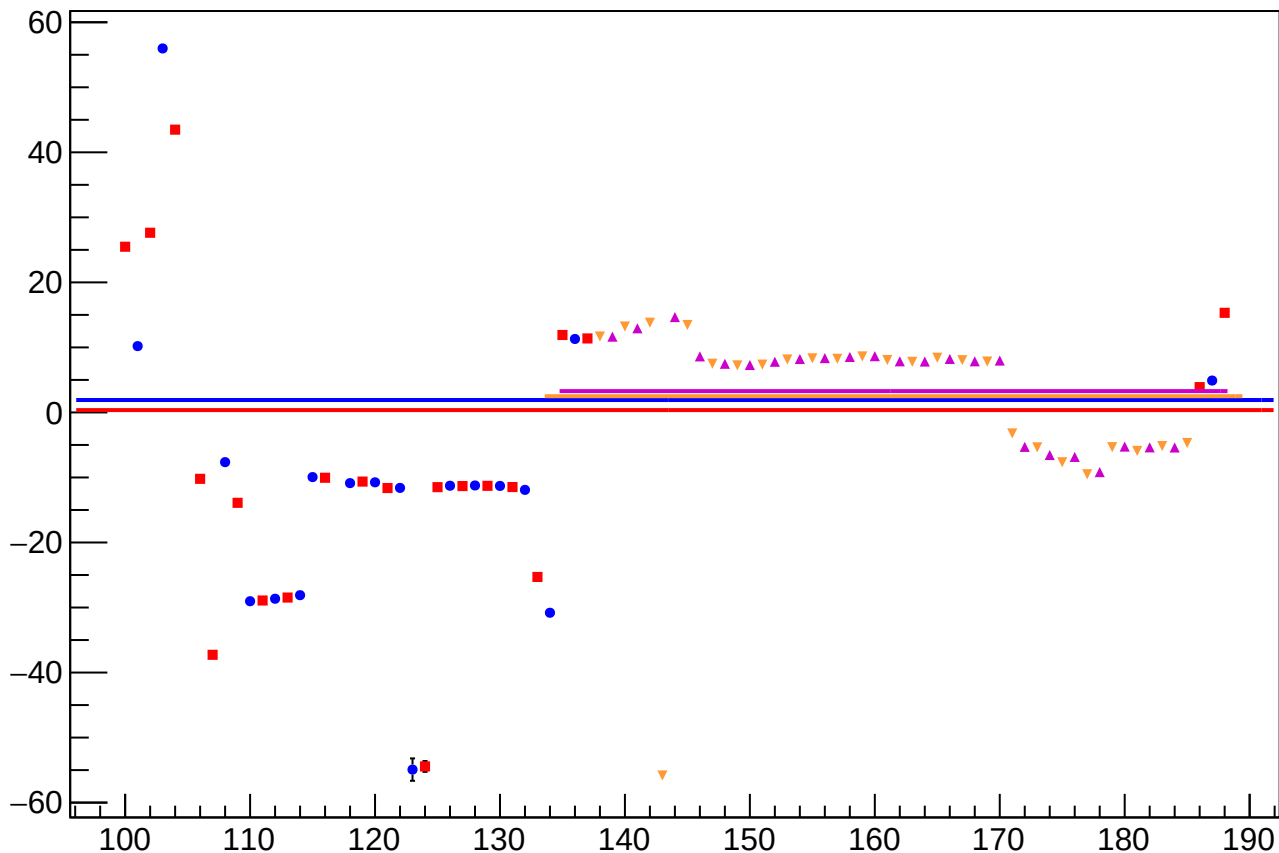
Right: 10.711 ± 0.453 $\chi^2/\text{NDF}: 1131.5/38$

In: 4.219 ± 0.239 $\chi^2/\text{NDF}: 1894.9/40$

Out: 4.363 ± 0.234 $\chi^2/\text{NDF}: 2390.8/45$

All: 4.292 ± 0.167 $\chi^2/\text{NDF}: 4285.8/86$

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: 0.359 $\pm$ 0.035 χ^2 /NDF: 371816.0/20

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

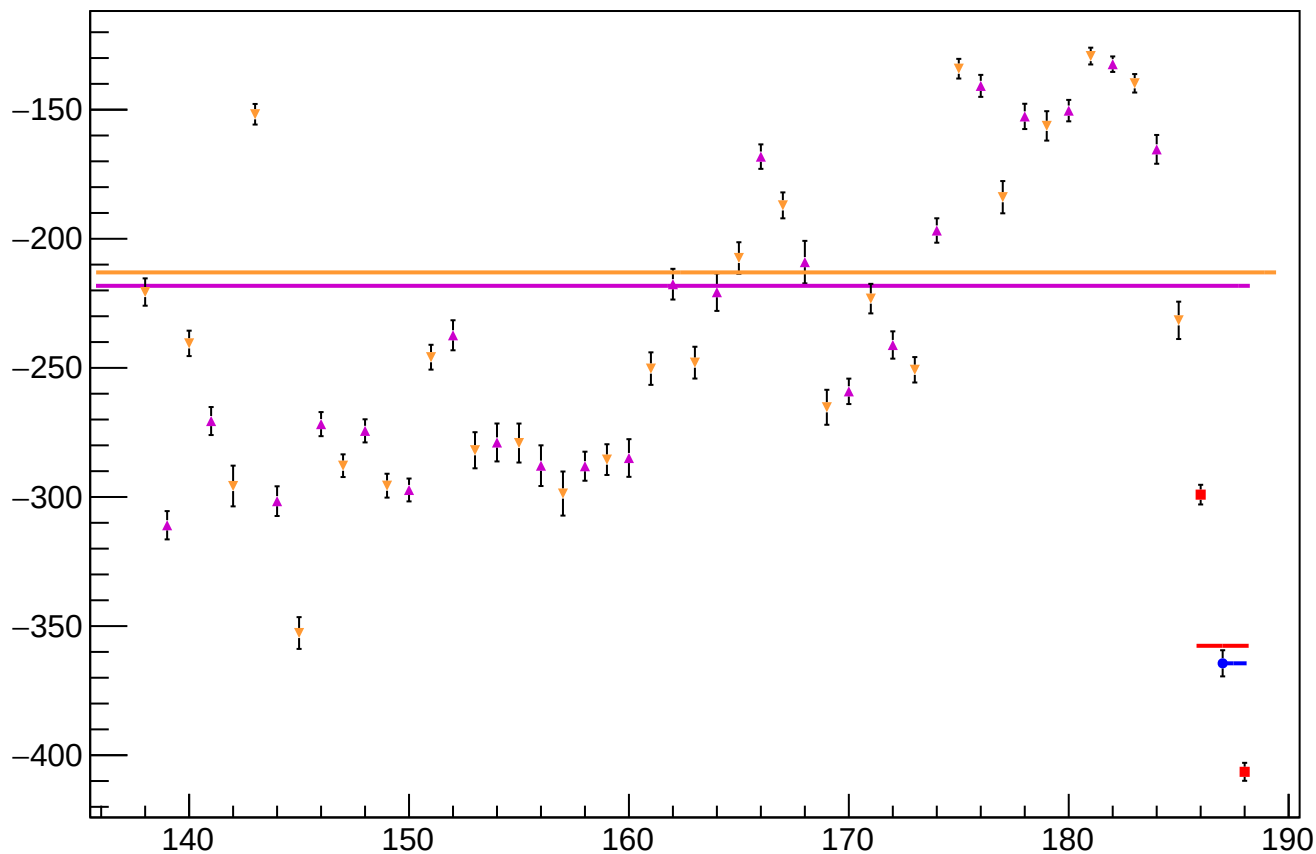
Right: 1.103 $\pm$ 0.025 χ^2 /NDF: 732276.8/38

In: 3.156 $\pm$ 0.011 χ^2 /NDF:770411.1/40

Out: 2.289 $\pm$ 0.011 χ^2 /NDF:963275.2/45

All: 2.720 $\pm$ 0.008 χ^2 /NDF: 1736780.1/86

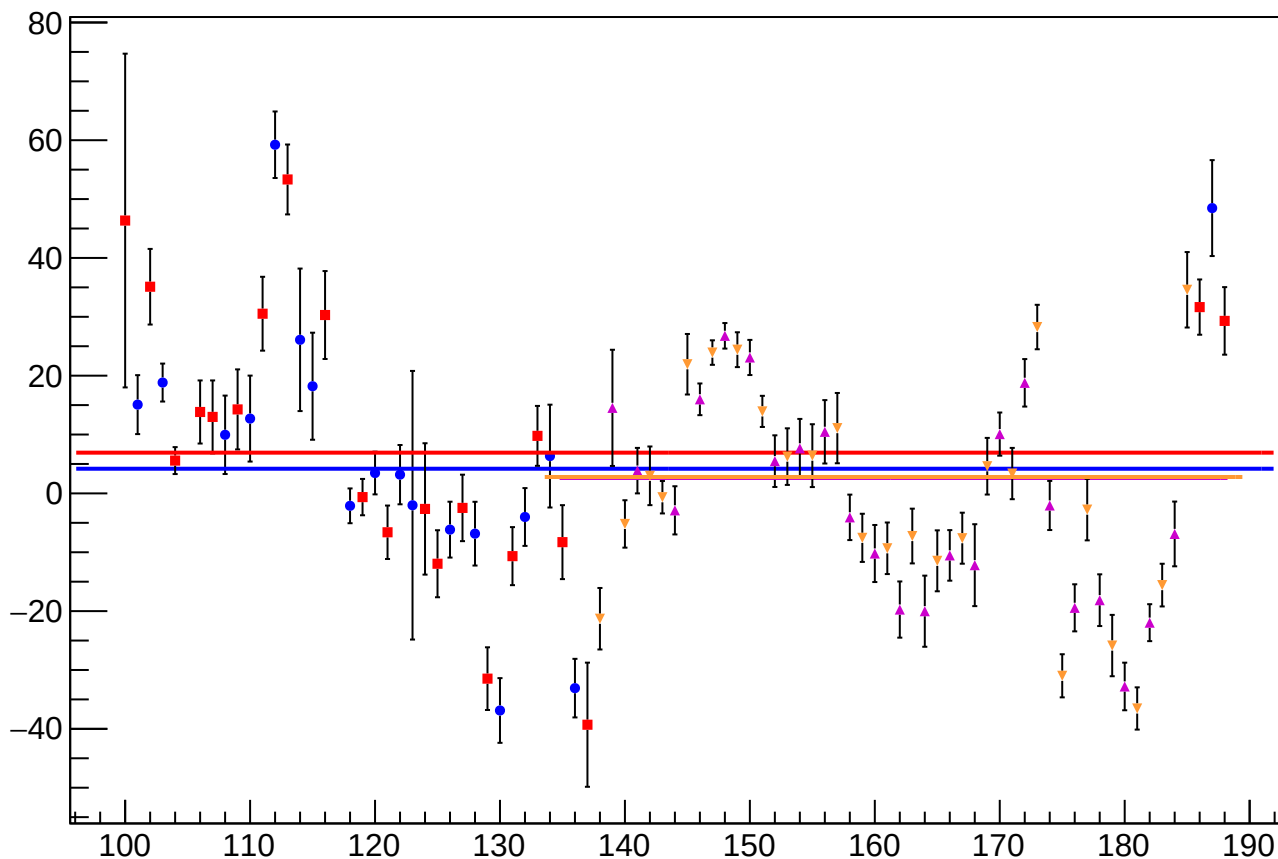
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -364.416 $\pm$ 5.062 χ^2 /NDF: 0.0/0
 Left Out: -213.020 $\pm$ 1.035 χ^2 /NDF:3826.2/24
 Right Out: -357.632 $\pm$ 2.569 χ^2 /NDF: 432.9/1
 Left In: -218.216 $\pm$ 1.063 χ^2 /NDF:3499.0/22

Left: -215.550 $\pm$ 0.742 χ^2 /NDF: 7337.5/47
 Right: -359.021 $\pm$ 2.291 χ^2 /NDF: 434.4/2
 In: -224.390 $\pm$ 1.040 χ^2 /NDF:4298.0/23
 Out: -233.230 $\pm$ 0.960 χ^2 /NDF:6985.1/26
 All: -229.162 $\pm$ 0.706 χ^2 /NDF: 11322.0/50

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: 6.920 ± 1.105 $\chi^2/\text{NDF}: 272.8/20$

Left In: 2.619 ± 0.821 $\chi^2/\text{NDF}: 477.6/22$

Left: 2.707 ± 0.565 $\chi^2/\text{NDF}: 1059.7/47$

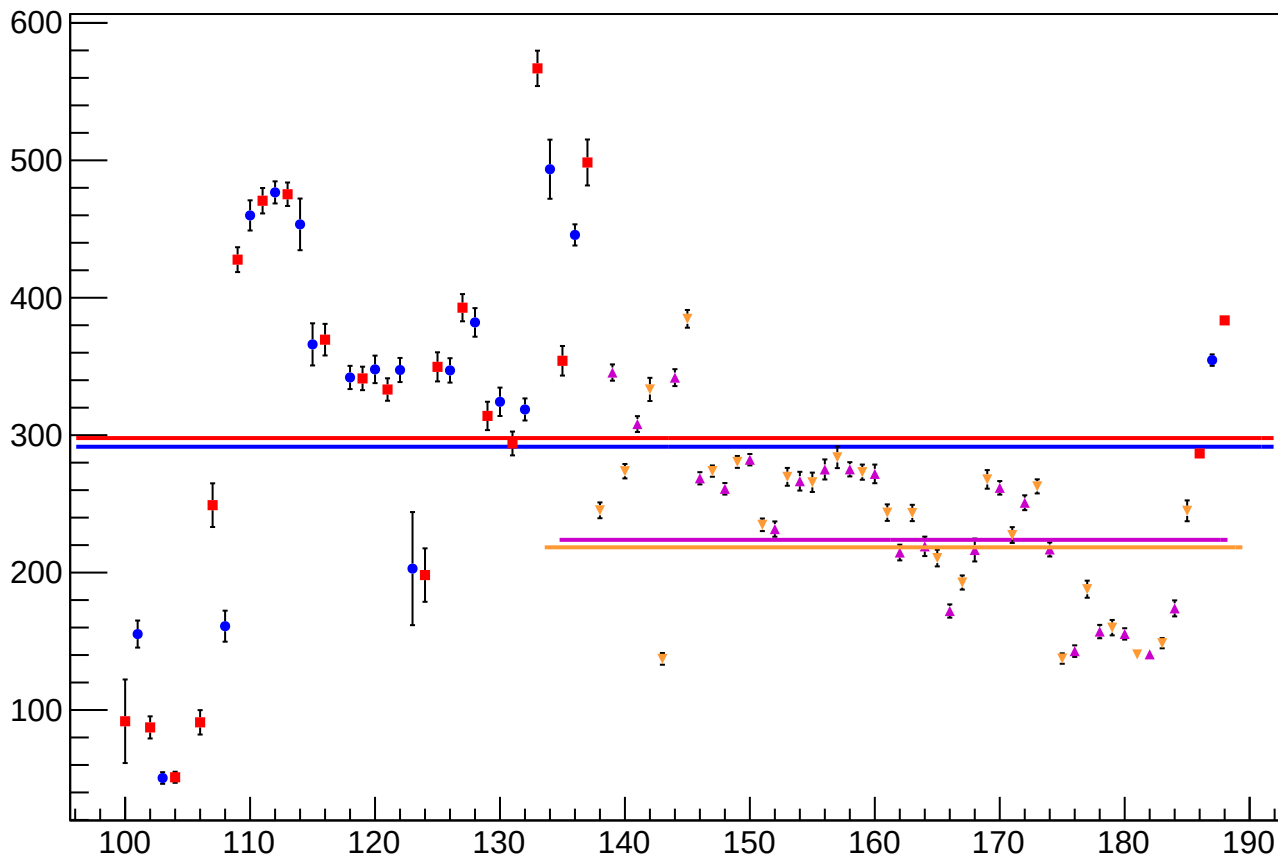
Right: 5.681 ± 0.816 $\chi^2/\text{NDF}: 561.4/38$

In: 3.113 ± 0.679 $\chi^2/\text{NDF}: 764.6/40$

Out: 4.162 ± 0.637 $\chi^2/\text{NDF}: 864.1/45$

All: 3.671 ± 0.465 $\chi^2/\text{NDF}: 1630.0/86$

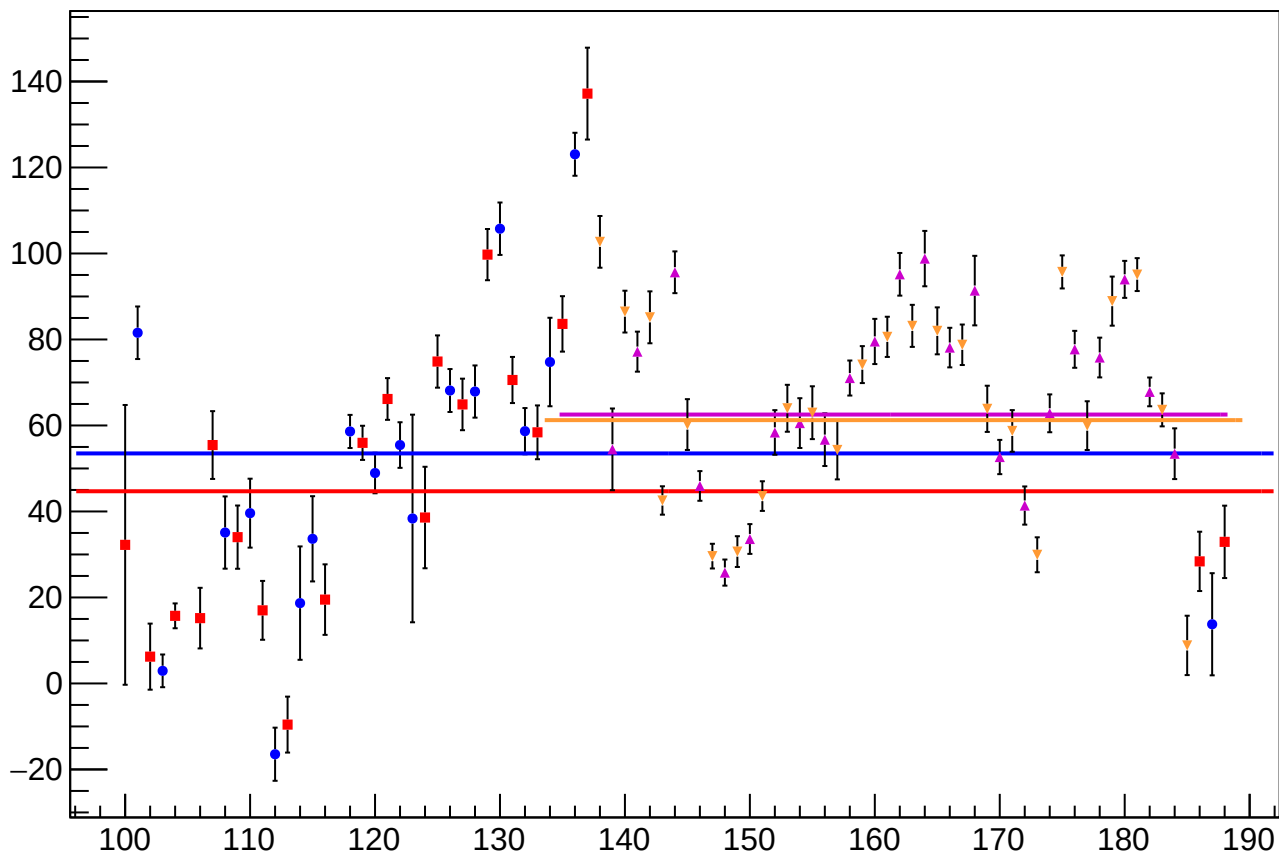
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 297.892 $\pm$ 1.465 χ^2/NDF : 7791.6/20
 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: 295.598 $\pm$ 1.169 χ^2/NDF : 13204.0/38
 In: 239.389 $\pm$ 0.929 χ^2/NDF : 9791.4/40
 Out: 244.961 $\pm$ 0.847 χ^2/NDF : 13450.1/45
 All: 242.432 $\pm$ 0.626 χ^2/NDF : 23261.2/86

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: 44.697 $\pm$ 1.317 χ^2 /NDF: 538.8/20

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

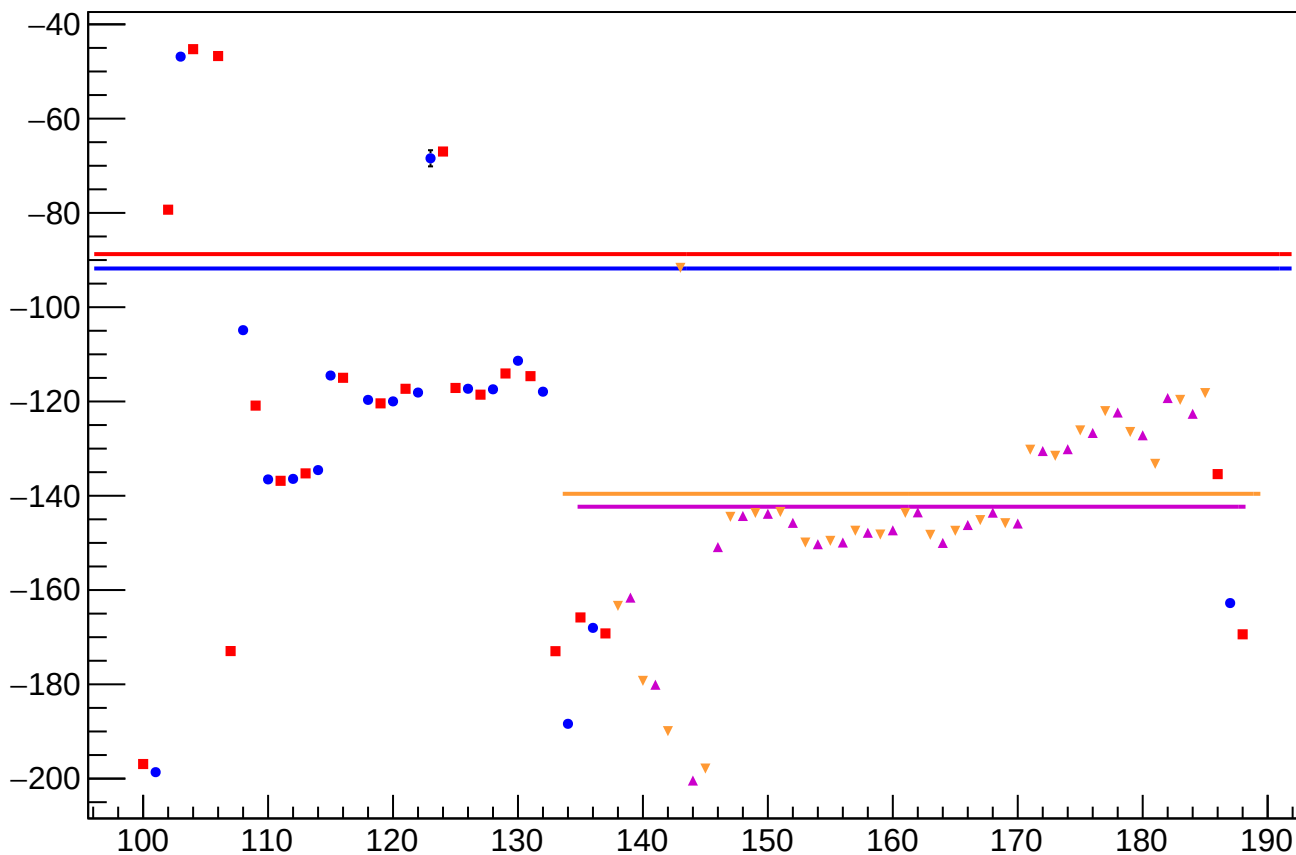
Right: 48.796 $\pm$ 0.963 χ^2 /NDF: 1205.3/38

In: 59.756 $\pm$ 0.782 χ^2 /NDF:1194.2/40

Out: 55.953 $\pm$ 0.745 χ^2 /NDF:1365.0/45

All: 57.761 $\pm$ 0.539 χ^2 /NDF: 2571.5/86

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: -88.740 ± 0.064 $\chi^2/\text{NDF}: 547401.8/20$

Left In: -142.326 ± 0.044 $\chi^2/\text{NDF}: 144642.3/22$

Left: -140.930 ± 0.031 $\chi^2/\text{NDF}: 390521.6/47$

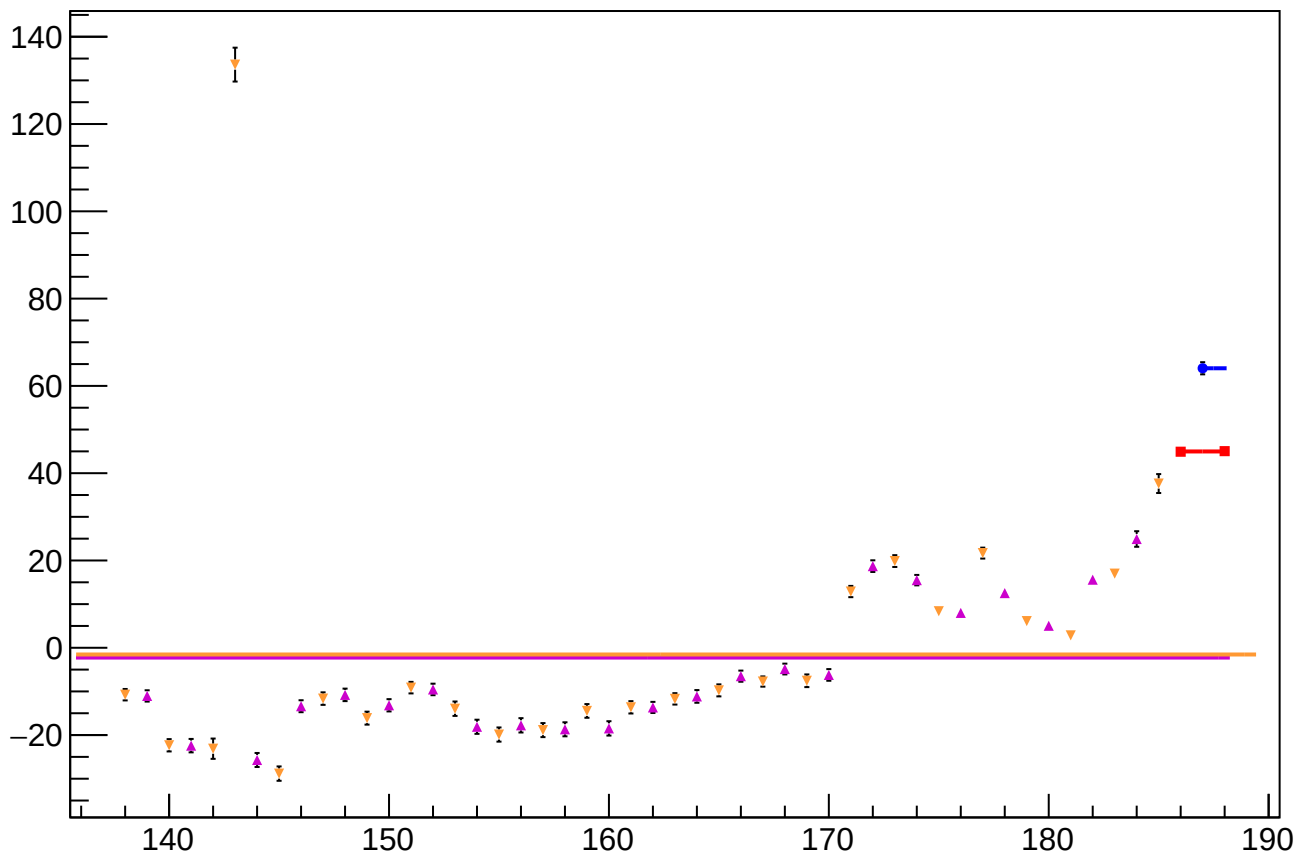
Right: -90.183 ± 0.046 $\chi^2/\text{NDF}: 1094404.5/38$

In: -127.204 ± 0.037 $\chi^2/\text{NDF}: 1086962.8/40$

Out: -123.605 ± 0.036 $\chi^2/\text{NDF}: 1228681.8/45$

All: -125.352 ± 0.026 $\chi^2/\text{NDF}: 2320578.7/86$

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: 44.980+/-0.634 χ^2/NDF : 0.0/1

Left In: -2.244+/-0.270 χ^2/NDF : 2561.6/22

Left: -1.890+/-0.190 χ^2/NDF : 6694.2/47

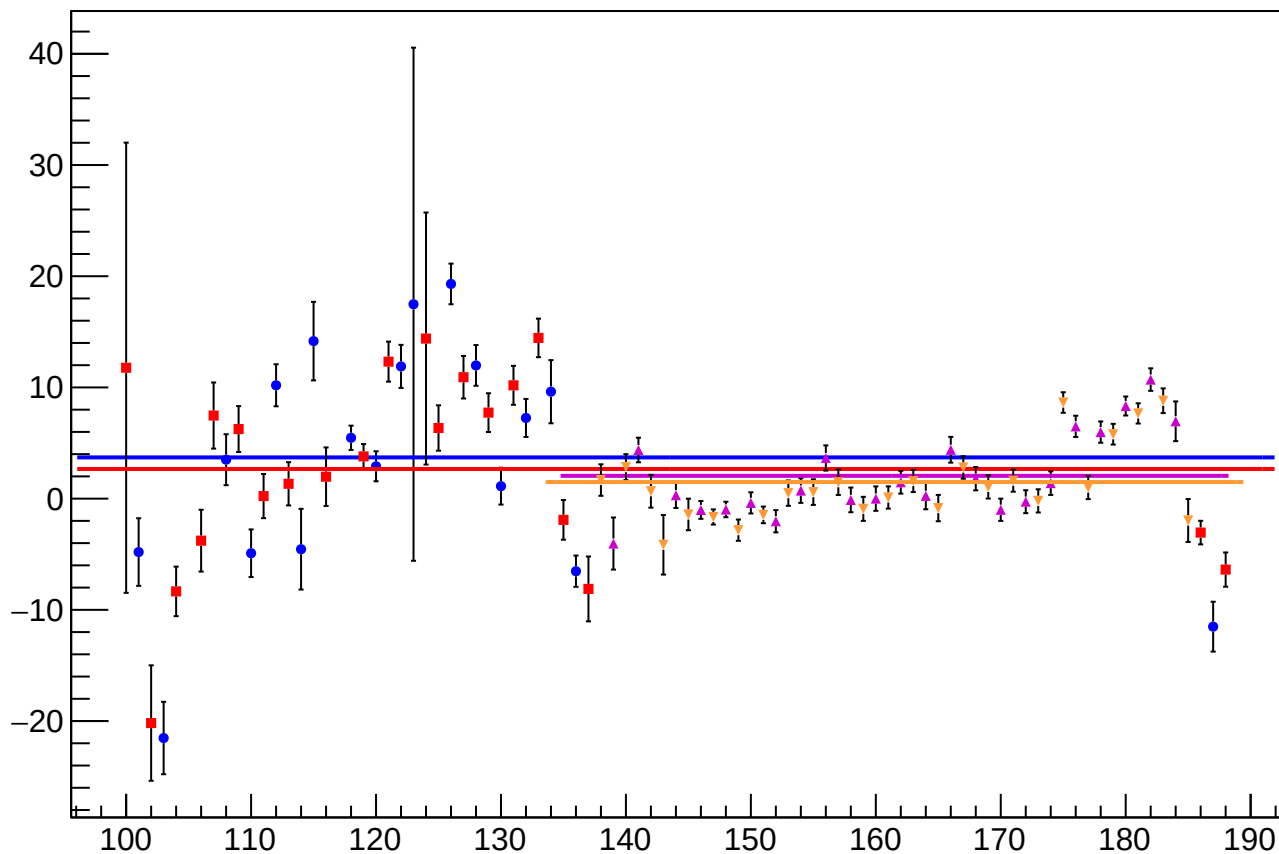
Right: 48.253+/-0.577 χ^2/NDF : 155.1/2

In: 0.149+/-0.265 χ^2/NDF : 4744.7/23

Out: 5.497+/-0.247 χ^2/NDF : 8696.6/26

All: 3.011+/-0.180 χ^2/NDF : 13659.9/50

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.708 $\pm$ 0.455 χ^2 /NDF: 334.6/17

Left Out: 1.492 $\pm$ 0.210 χ^2 /NDF:258.3/24

Right Out: 2.667 $\pm$ 0.417 χ^2 /NDF: 266.9/20

Left In: 2.051 $\pm$ 0.215 χ^2 /NDF:275.4/22

Left: 1.766 $\pm$ 0.150 χ^2 /NDF: 537.2/47

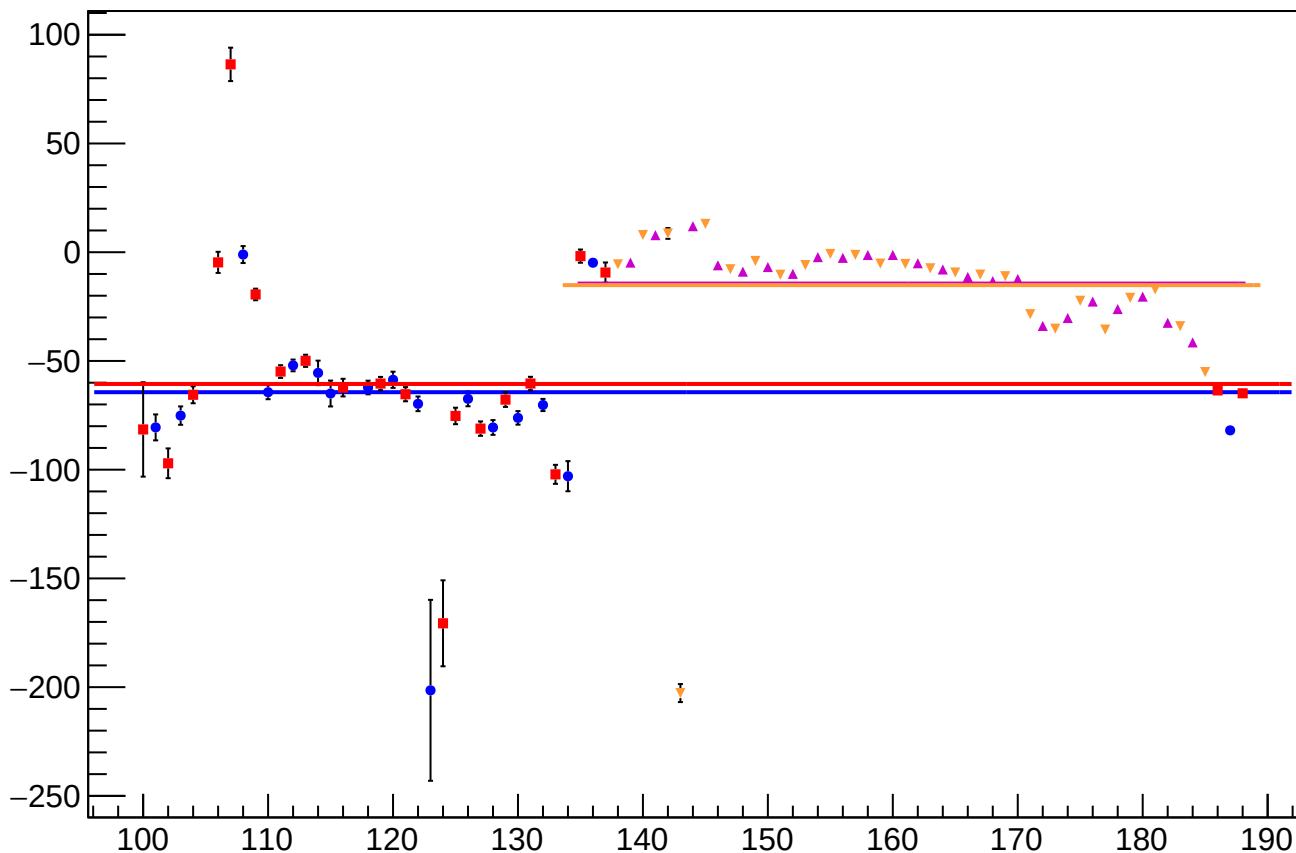
Right: 3.142 $\pm$ 0.307 χ^2 /NDF: 604.3/38

In: 2.354 $\pm$ 0.194 χ^2 /NDF:620.8/40

Out: 1.731 $\pm$ 0.188 χ^2 /NDF:531.5/45

All: 2.032 $\pm$ 0.135 χ^2 /NDF: 1157.7/86

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -64.370 $\pm$ 0.689 χ^2 /NDF: 1382.6/17

Left Out: -15.140 $\pm$ 0.267 χ^2 /NDF:4451.9/24

Right Out: -60.582 $\pm$ 0.438 χ^2 /NDF: 1515.7/20

Left In: -14.415 $\pm$ 0.268 χ^2 /NDF:2065.7/22

Left: -14.779 $\pm$ 0.189 χ^2 /NDF: 6521.3/47

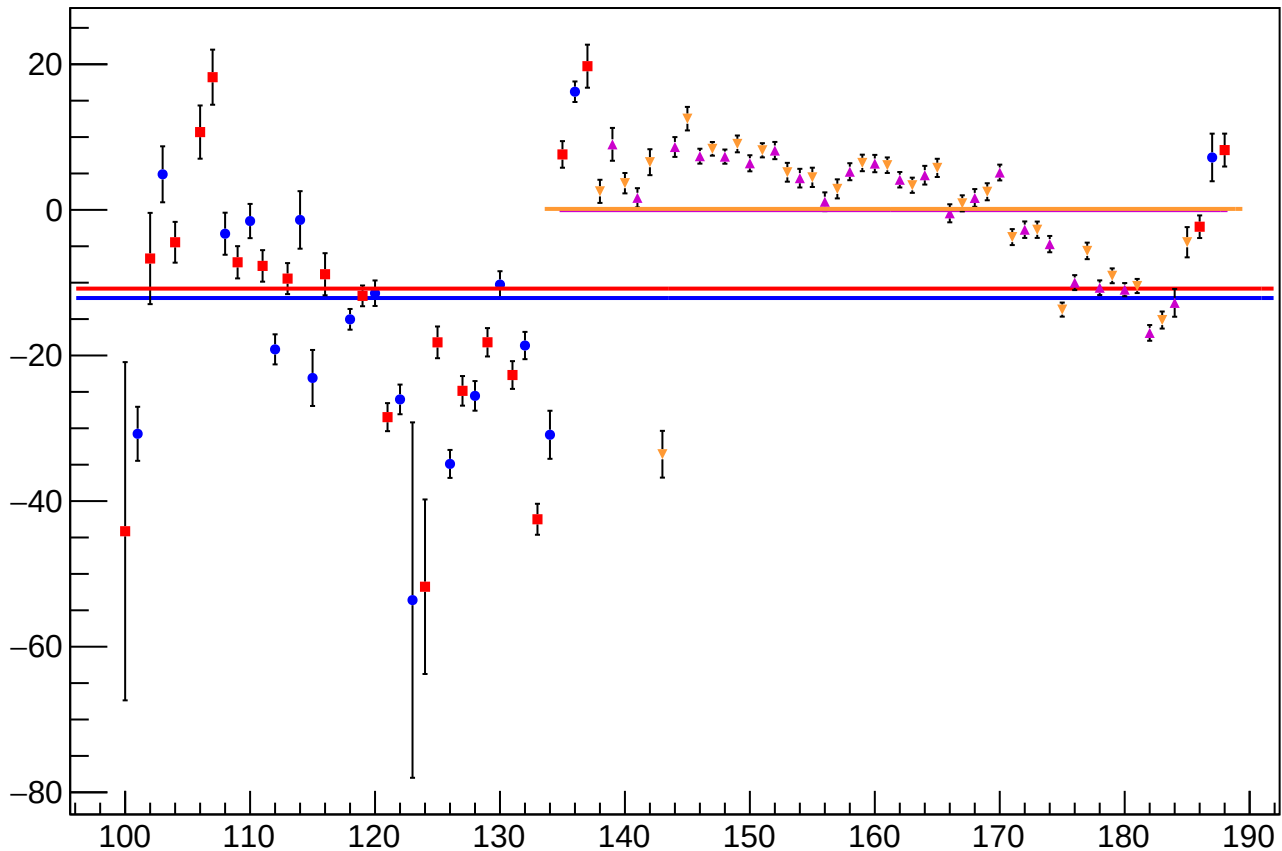
Right: -61.673 $\pm$ 0.370 χ^2 /NDF: 2919.8/38

In: -20.987 $\pm$ 0.250 χ^2 /NDF:8017.3/40

Out: -27.447 $\pm$ 0.228 χ^2 /NDF:13821.0/45

All: -24.513 $\pm$ 0.168 χ^2 /NDF: 22203.3/86

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: -10.813 ± 0.496 χ^2/NDF : 846.3/20

Left In: -0.036 ± 0.242 χ^2/NDF : 1027.6/22

Left: 0.049 ± 0.170 χ^2/NDF : 2174.8/47

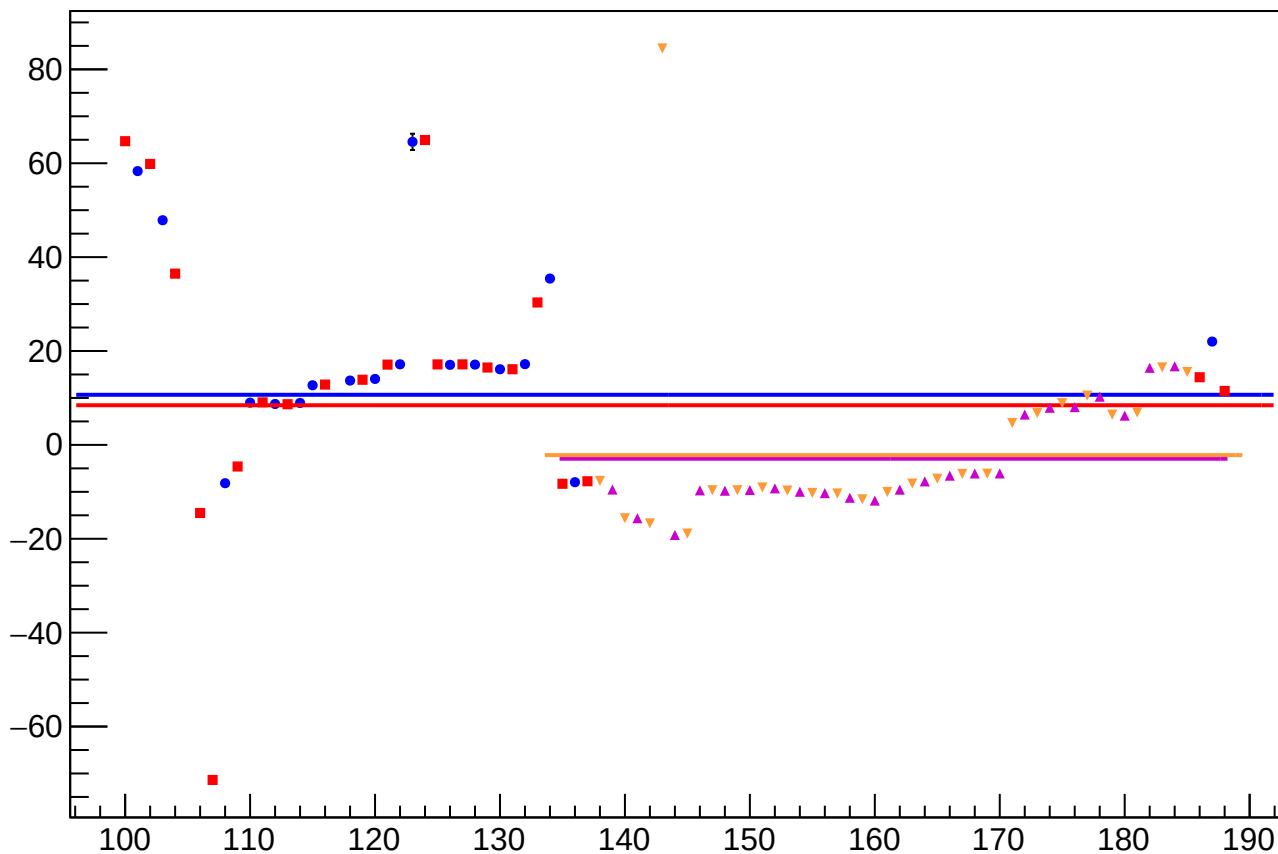
Right: -11.426 ± 0.360 χ^2/NDF : 1673.5/38

In: -2.168 ± 0.220 χ^2/NDF : 2289.8/40

Out: -1.920 ± 0.215 χ^2/NDF : 2388.6/45

All: -2.041 ± 0.154 χ^2/NDF : 4679.1/86

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: 8.445+/-0.029 χ^2/NDF : 549283.5/20

Left In: -2.949+/-0.011 χ^2/NDF : 770702.4/22

Left: -2.562+/-0.008 χ^2/NDF : 1820593.2/47

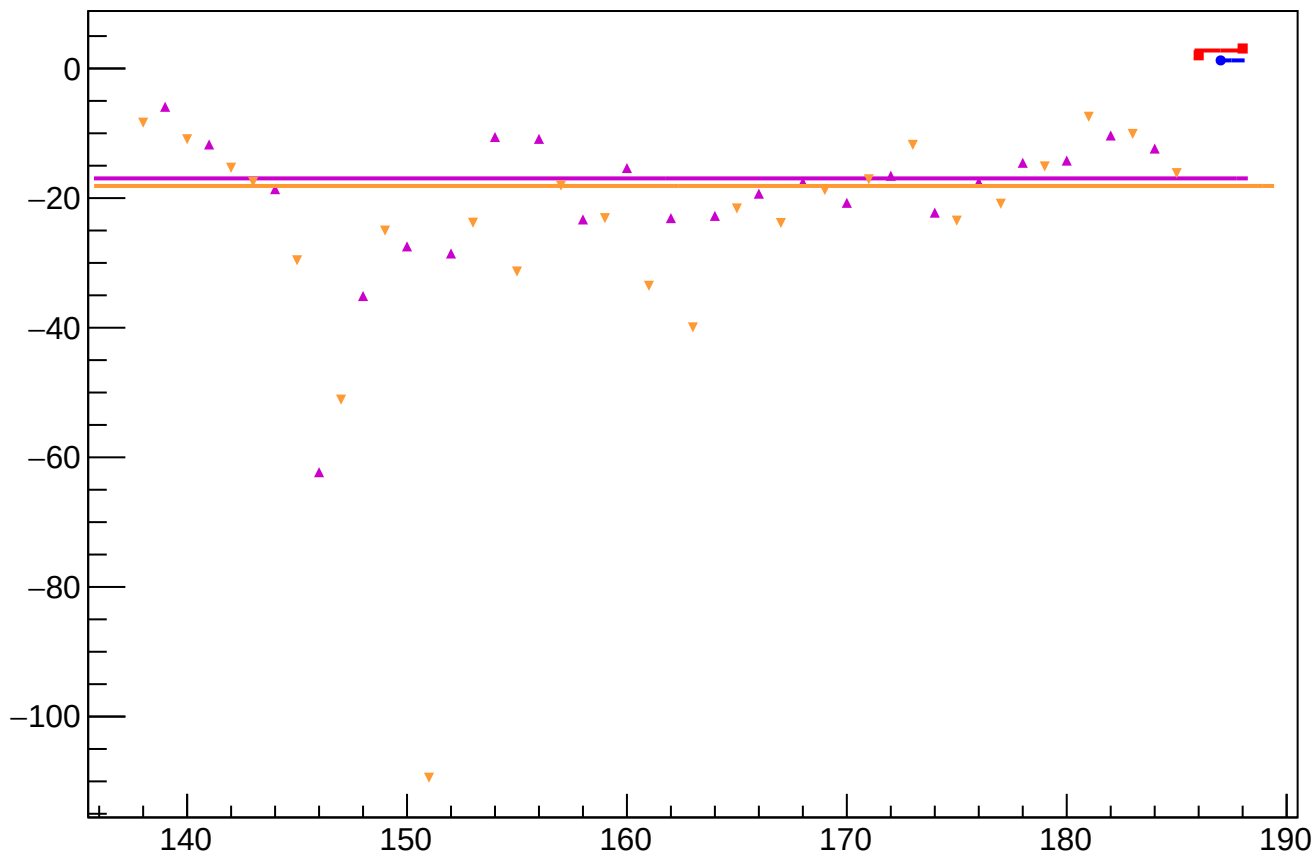
Right: 9.517+/-0.021 χ^2/NDF : 936992.6/38

In: -1.359+/-0.010 χ^2/NDF : 1336181.8/40

Out: -0.855+/-0.010 χ^2/NDF : 1714267.6/45

All: -1.105+/-0.007 χ^2/NDF : 3051657.8/86

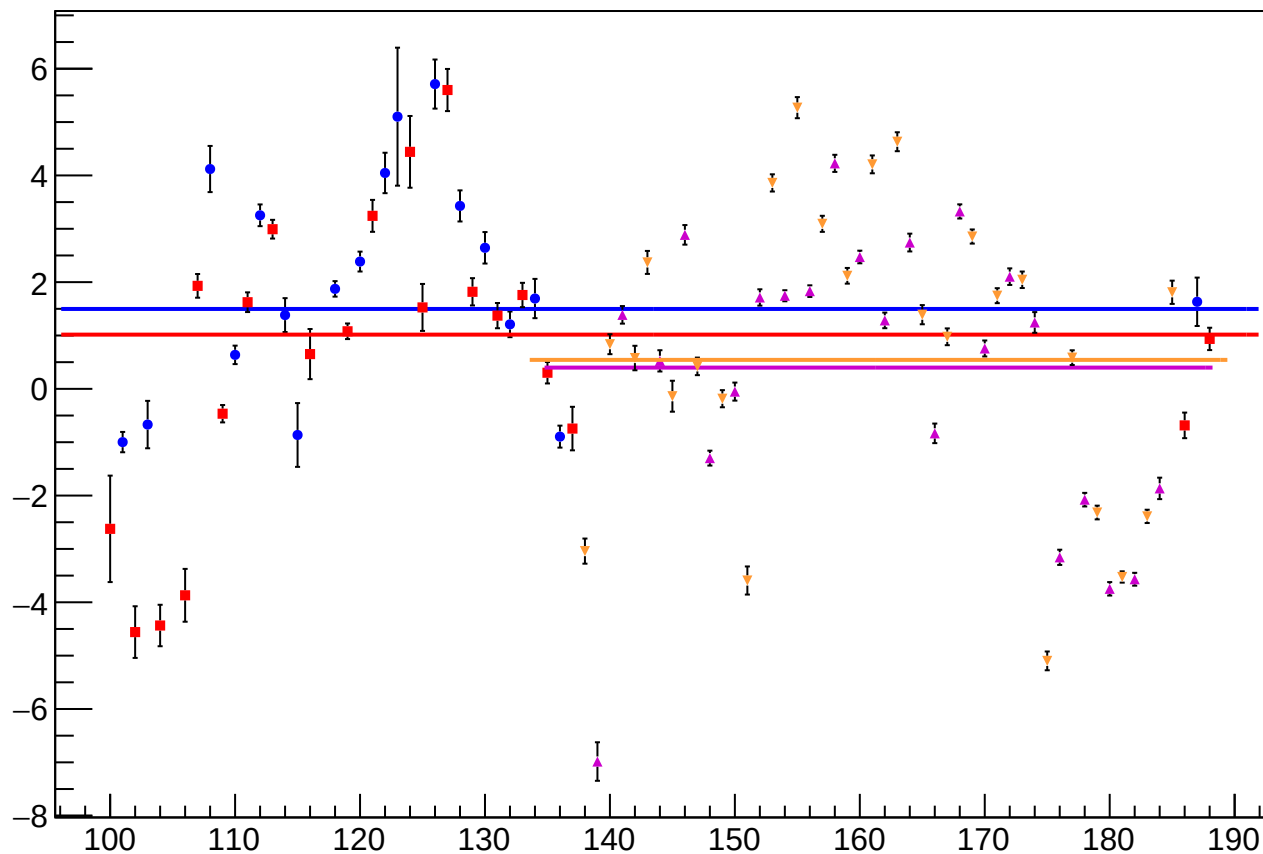
reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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: 2.775+/-0.106 χ^2/NDF : 20.4/1
 Left In: -16.958+/-0.038 χ^2/NDF :44759.9/22

Left: -17.528+/-0.027 χ^2/NDF : 133736.2/47
 Right: 2.586+/-0.099 χ^2/NDF : 46.2/2
 In: -16.632+/-0.038 χ^2/NDF :48863.7/23
 Out: -15.636+/-0.037 χ^2/NDF :122851.4/26
 All: -16.119+/-0.026 χ^2/NDF : 172075.6/50

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: 1.016 ± 0.055 $\chi^2/\text{NDF}: 1000.3/20$

Left In: 0.398 ± 0.031 $\chi^2/\text{NDF}: 6286.3/22$

Left: 0.467 ± 0.022 $\chi^2/\text{NDF}: 13364.5/47$

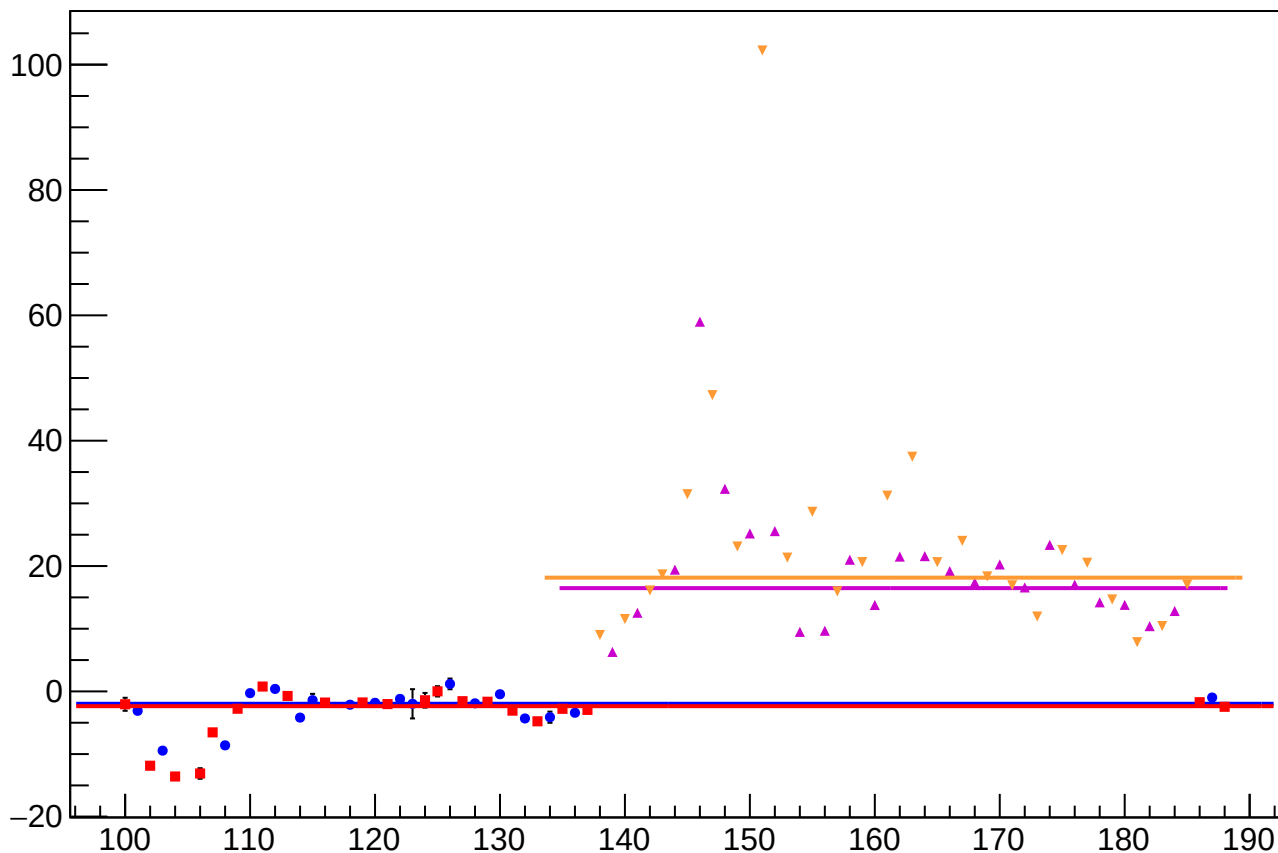
Right: 1.232 ± 0.041 $\chi^2/\text{NDF}: 1744.0/38$

In: 0.622 ± 0.027 $\chi^2/\text{NDF}: 7257.8/40$

Out: 0.666 ± 0.028 $\chi^2/\text{NDF}: 8123.4/45$

All: 0.644 ± 0.020 $\chi^2/\text{NDF}: 15382.5/86$

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: -2.357 ± 0.065 $\chi^2/\text{NDF}: 923.5/20$

Left In: 16.477 ± 0.038 $\chi^2/\text{NDF}: 41326.5/22$

Left: 17.279 ± 0.027 $\chi^2/\text{NDF}: 120078.9/47$

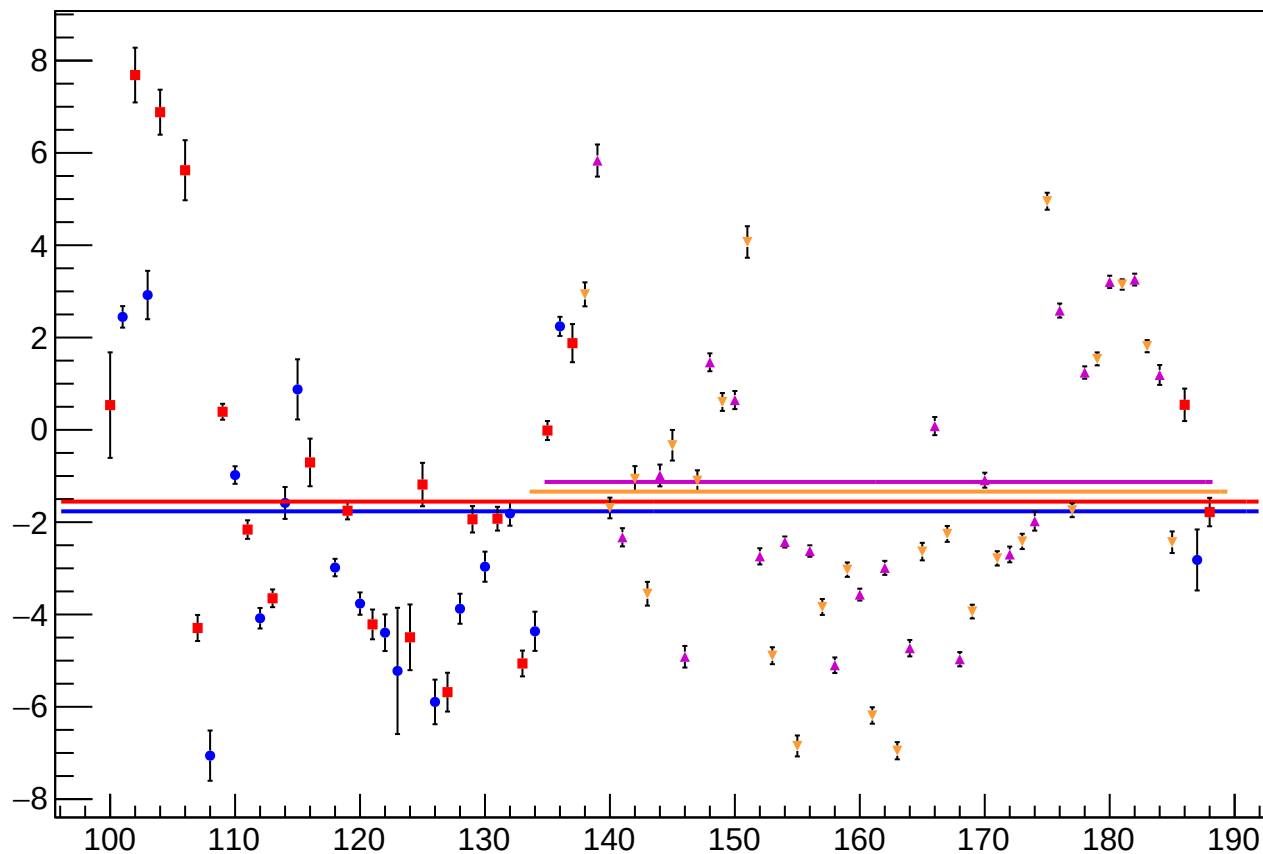
Right: -2.244 ± 0.054 $\chi^2/\text{NDF}: 1417.6/38$

In: 14.180 ± 0.035 $\chi^2/\text{NDF}: 71746.3/40$

Out: 12.639 ± 0.033 $\chi^2/\text{NDF}: 152473.0/45$

All: 13.370 ± 0.024 $\chi^2/\text{NDF}: 225225.9/86$

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: -1.554 ± 0.063 $\chi^2/\text{NDF}: 1524.5/20$

Left In: -1.129 ± 0.034 $\chi^2/\text{NDF}: 6778.7/22$

Left: -1.228 ± 0.025 $\chi^2/\text{NDF}: 14717.3/47$

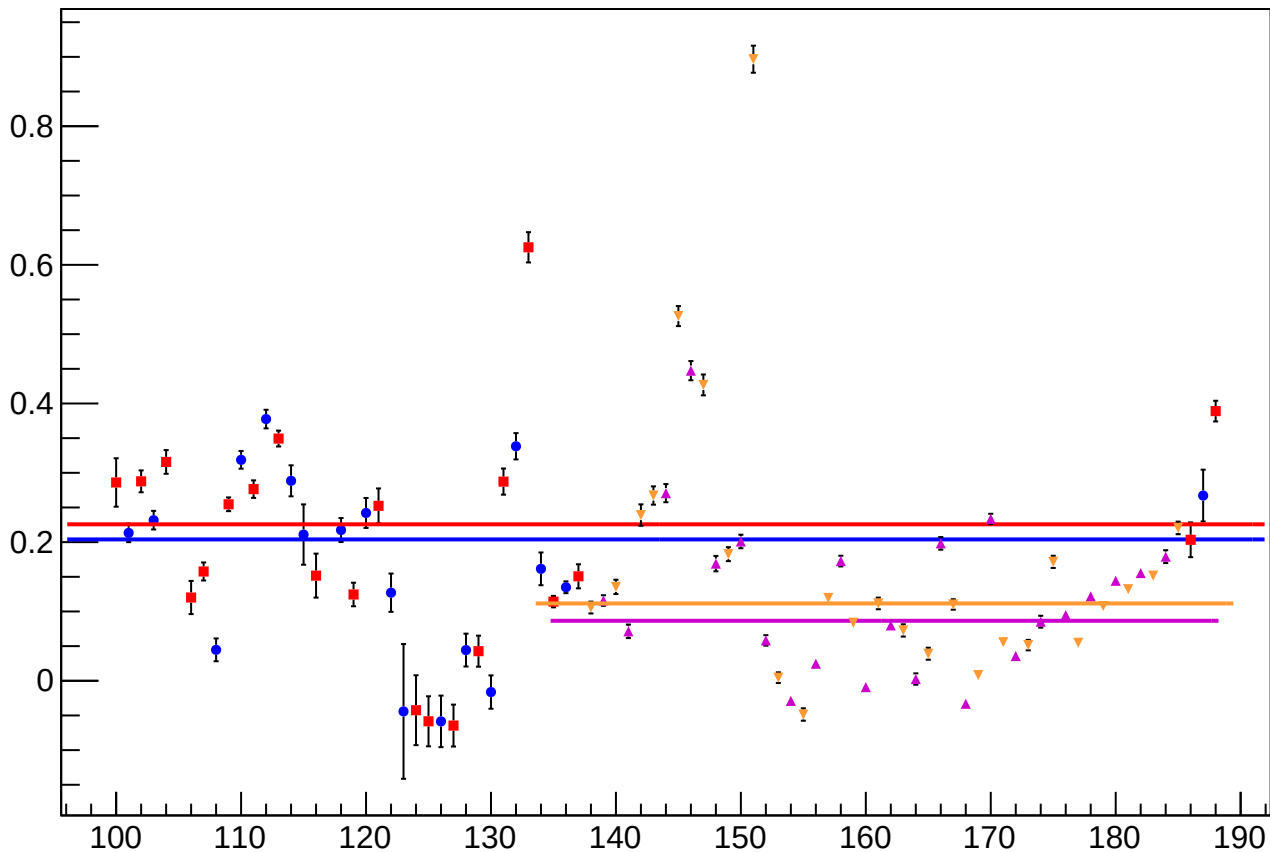
Right: -1.649 ± 0.047 $\chi^2/\text{NDF}: 2877.1/38$

In: -1.251 ± 0.031 $\chi^2/\text{NDF}: 8193.3/40$

Out: -1.391 ± 0.031 $\chi^2/\text{NDF}: 9454.2/45$

All: -1.319 ± 0.022 $\chi^2/\text{NDF}: 17657.7/86$

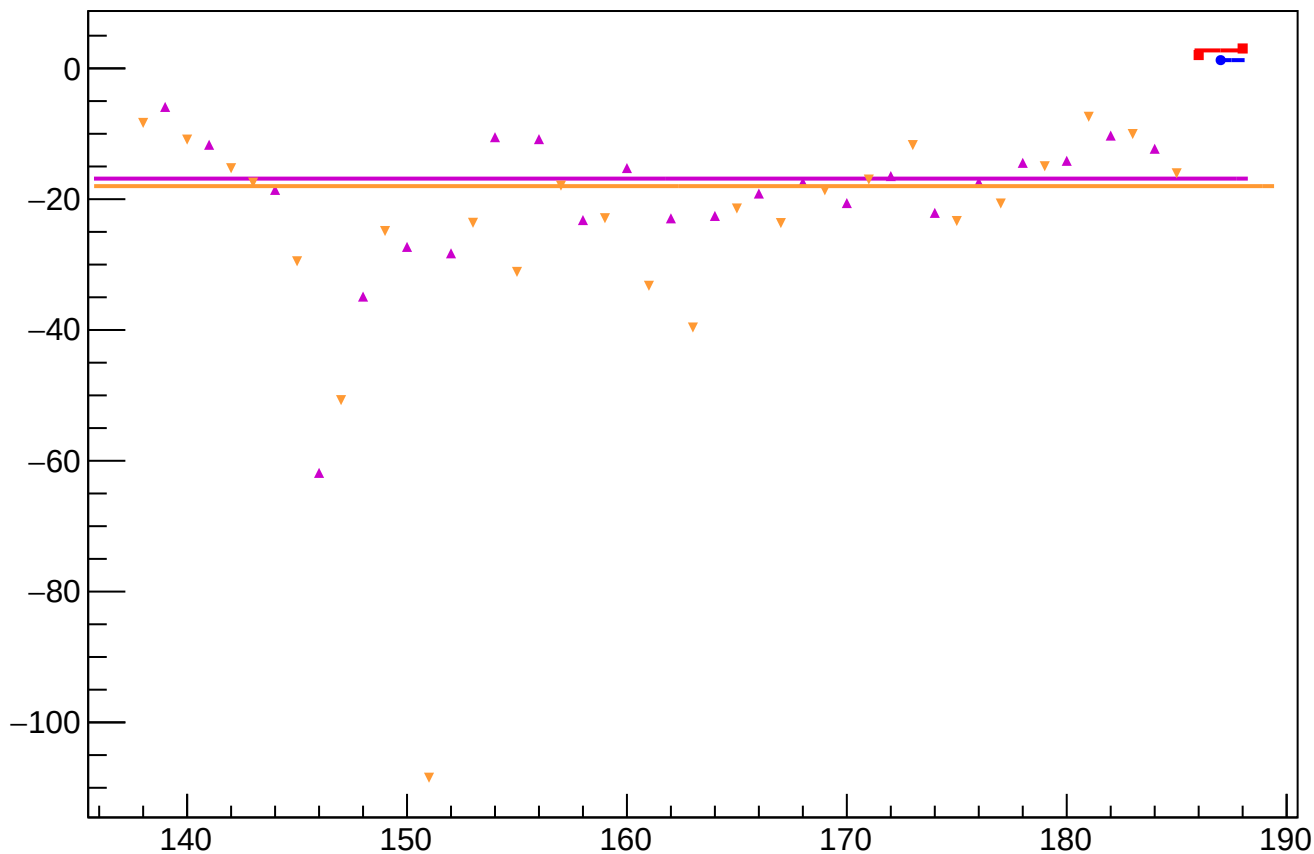
reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.226 $\pm$ 0.004 χ^2 /NDF: 1194.5/20
 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: 0.216 $\pm$ 0.003 χ^2 /NDF: 1890.7/38
 In: 0.100 $\pm$ 0.001 χ^2 /NDF:5062.2/40
 Out: 0.131 $\pm$ 0.001 χ^2 /NDF:6513.4/45
 All: 0.115 $\pm$ 0.001 χ^2 /NDF: 11803.7/86

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: 2.748+/-0.104 χ^2/NDF : 19.3/1

Left In: -16.854+/-0.038 χ^2/NDF : 44680.7/22

Left: -17.415+/-0.027 χ^2/NDF : 133485.7/47

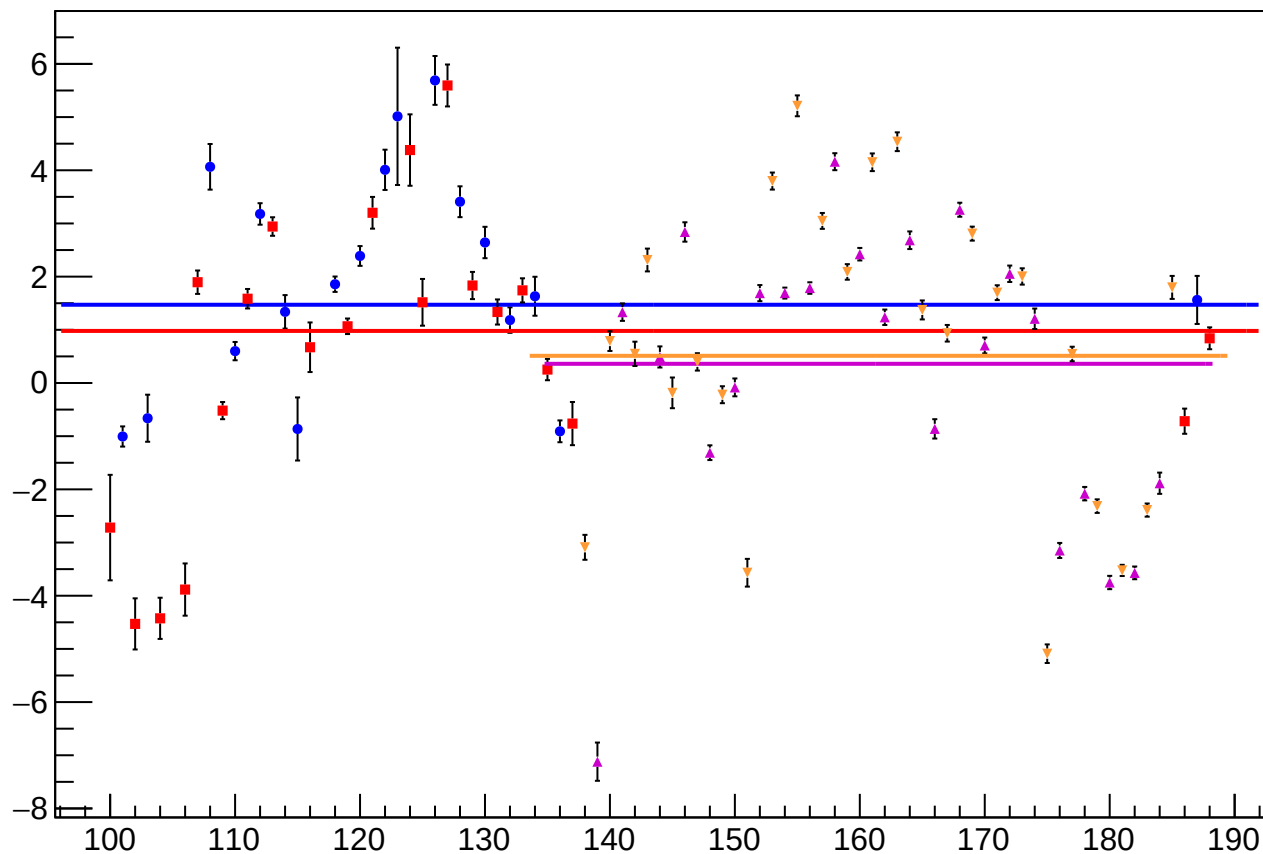
Right: 2.568+/-0.098 χ^2/NDF : 43.9/2

In: -16.532+/-0.037 χ^2/NDF : 48771.2/23

Out: -15.489+/-0.036 χ^2/NDF : 123247.5/26

All: -15.994+/-0.026 χ^2/NDF : 172419.3/50

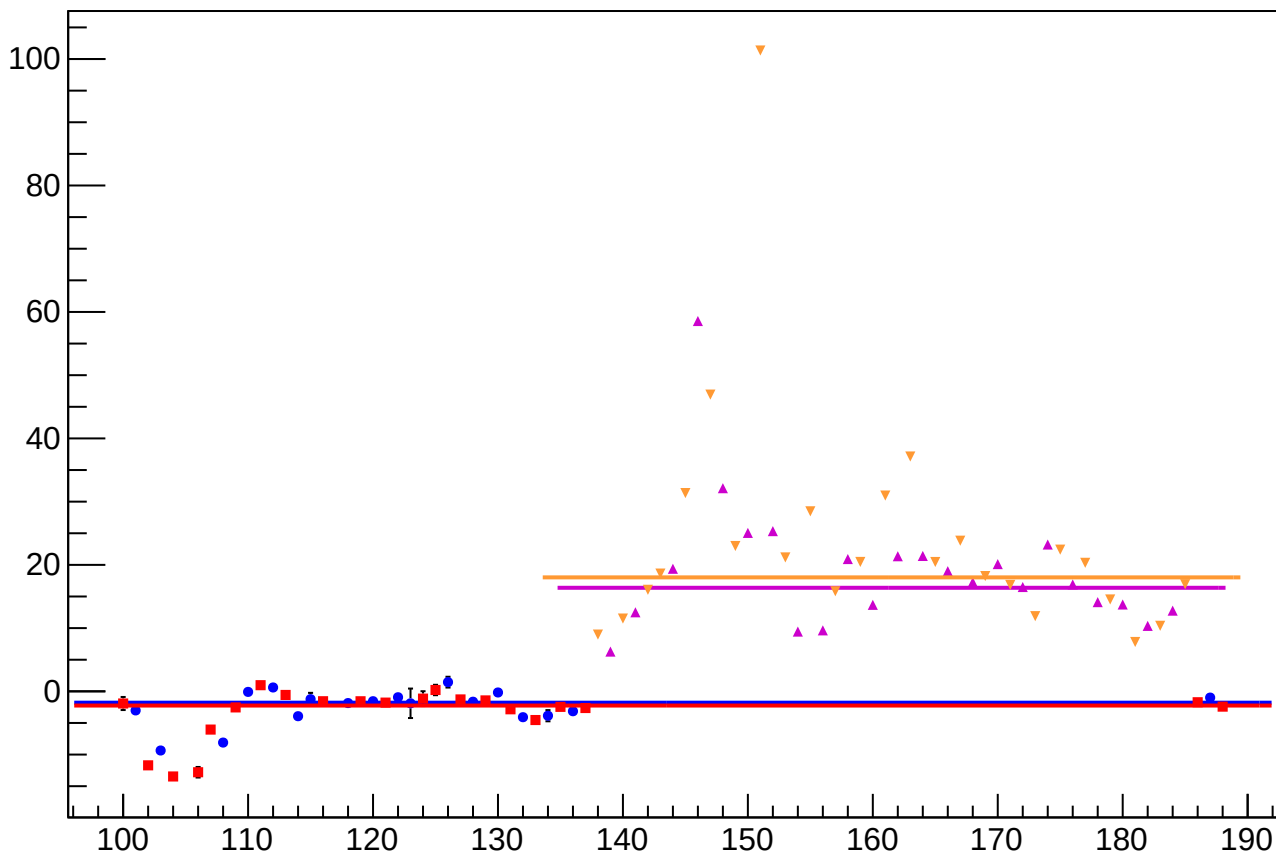
reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 0.979 ± 0.054 $\chi^2/\text{NDF}: 1007.8/20$
 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: 1.200 ± 0.040 $\chi^2/\text{NDF}: 1752.5/38$
 In: 0.587 ± 0.027 $\chi^2/\text{NDF}: 7252.0/40$
 Out: 0.633 ± 0.028 $\chi^2/\text{NDF}: 8115.7/45$
 All: 0.609 ± 0.019 $\chi^2/\text{NDF}: 15369.2/86$

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.793 ± 0.099 χ^2/NDF : 478.7/17

Left Out: 18.023 ± 0.039 χ^2/NDF : 77674.0/24

Right Out: -2.246 ± 0.064 χ^2/NDF : 921.4/20

Left In: 16.377 ± 0.037 χ^2/NDF : 41253.5/22

Left: 17.168 ± 0.027 χ^2/NDF : 119859.6/47

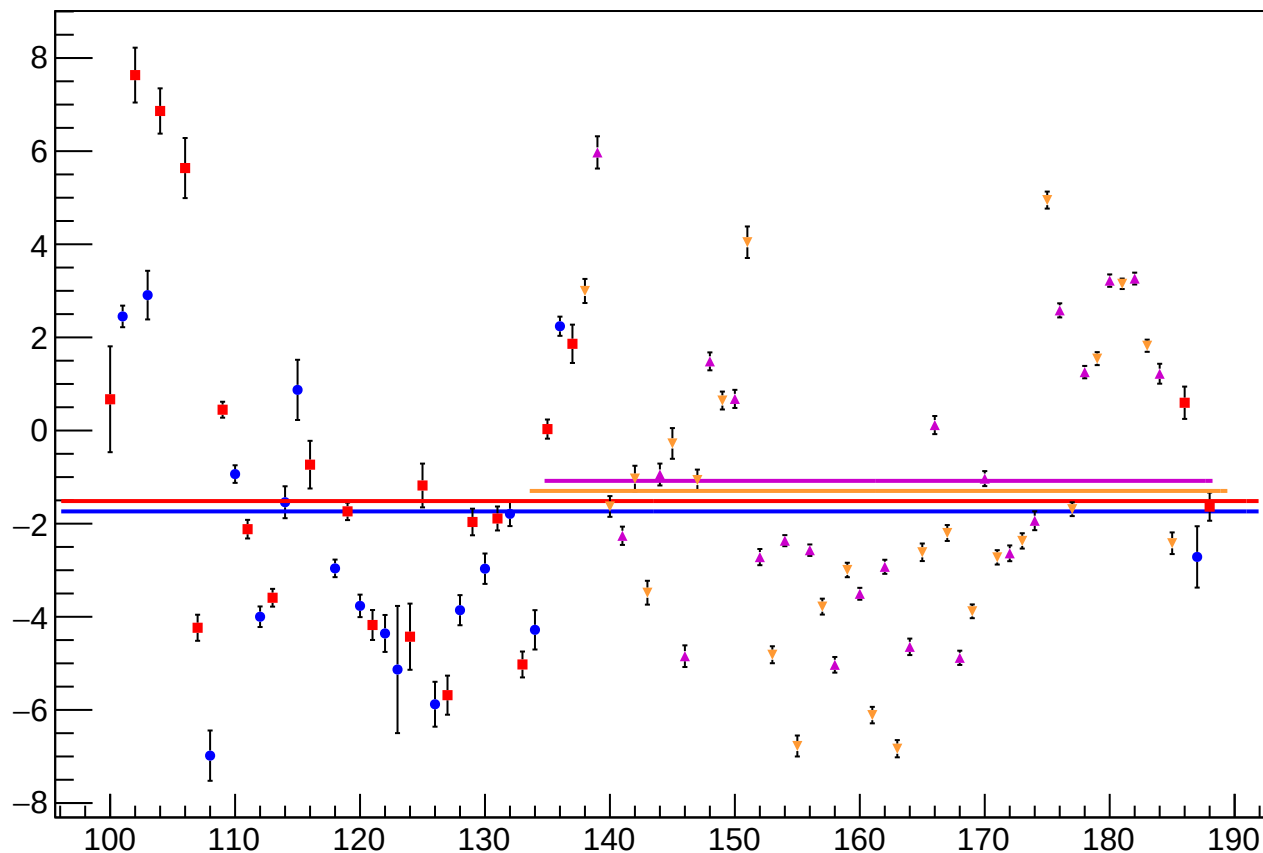
Right: -2.114 ± 0.054 χ^2/NDF : 1414.8/38

In: 14.123 ± 0.035 χ^2/NDF : 71055.0/40

Out: 12.541 ± 0.033 χ^2/NDF : 152190.4/45

All: 13.290 ± 0.024 χ^2/NDF : 224322.0/86

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



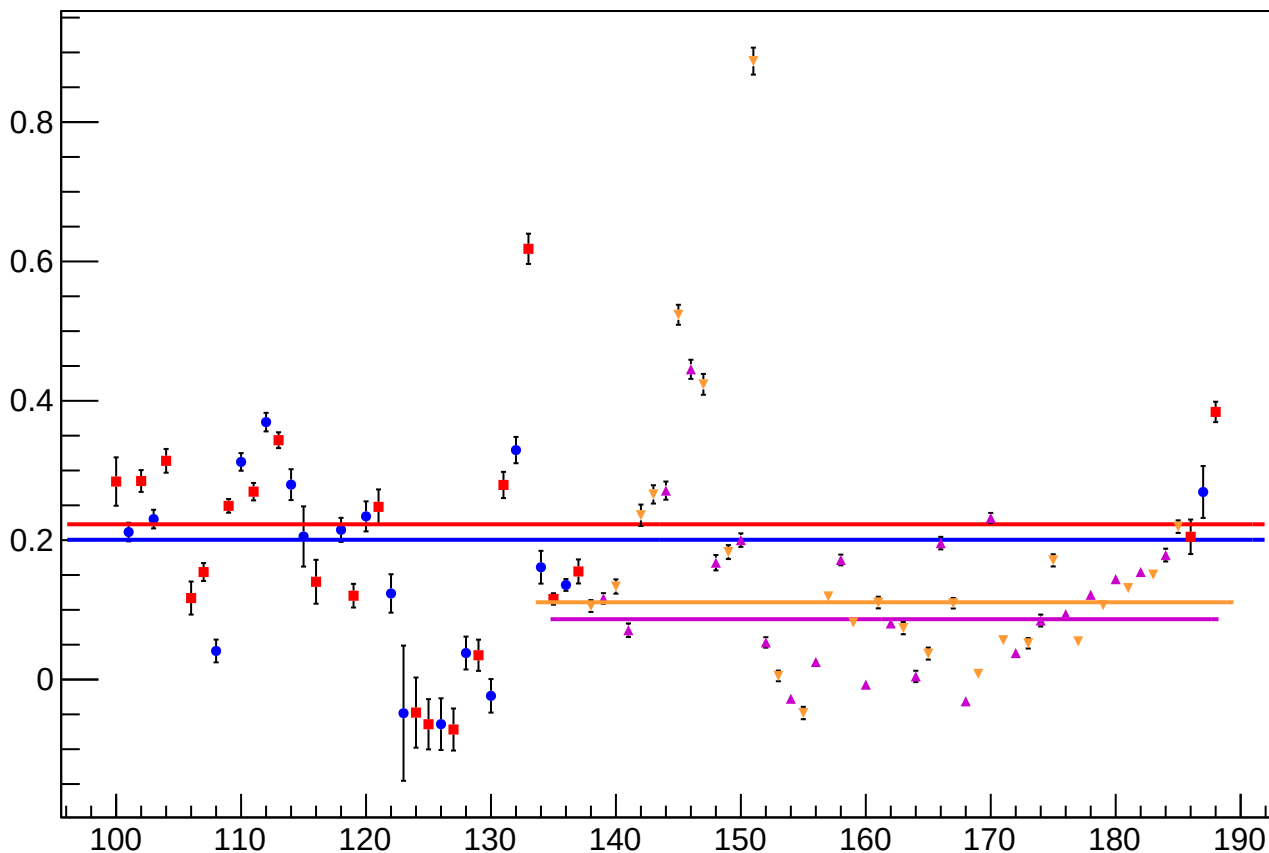
Right In: -1.737 ± 0.070 $\chi^2/\text{NDF}: 1343.7/17$
 Left Out: -1.297 ± 0.036 $\chi^2/\text{NDF}: 7903.2/24$
 Right Out: -1.515 ± 0.063 $\chi^2/\text{NDF}: 1531.1/20$
 Left In: -1.081 ± 0.034 $\chi^2/\text{NDF}: 6764.0/22$

Left: -1.183 ± 0.025 $\chi^2/\text{NDF}: 14686.6/47$
 Right: -1.615 ± 0.047 $\chi^2/\text{NDF}: 2880.4/38$

In: -1.206 ± 0.030 $\chi^2/\text{NDF}: 8179.6/40$
 Out: -1.350 ± 0.031 $\chi^2/\text{NDF}: 9443.4/45$

All: -1.277 ± 0.022 $\chi^2/\text{NDF}: 17634.0/86$

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: 0.223 $\pm$ 0.004 χ^2 /NDF: 1179.2/20

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

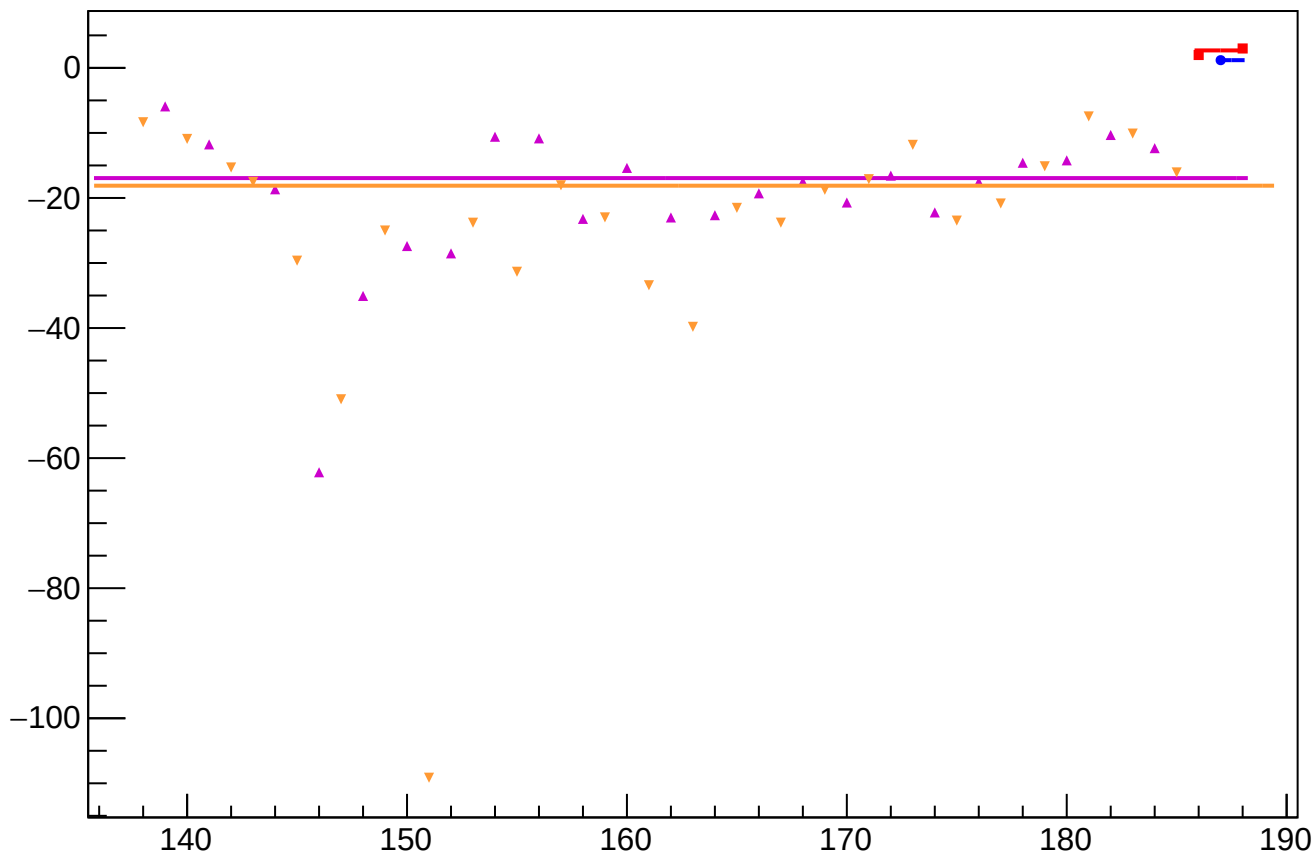
Right: 0.213 $\pm$ 0.003 χ^2 /NDF: 1862.1/38

In: 0.100 $\pm$ 0.001 χ^2 /NDF:4984.4/40

Out: 0.130 $\pm$ 0.001 χ^2 /NDF:6466.8/45

All: 0.114 $\pm$ 0.001 χ^2 /NDF: 11672.5/86

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: 2.686 ± 0.104 χ^2/NDF : 19.3/1

Left In: -16.945 ± 0.038 χ^2/NDF : 44756.2/22

Left: -17.514 ± 0.027 χ^2/NDF : 133707.4/47

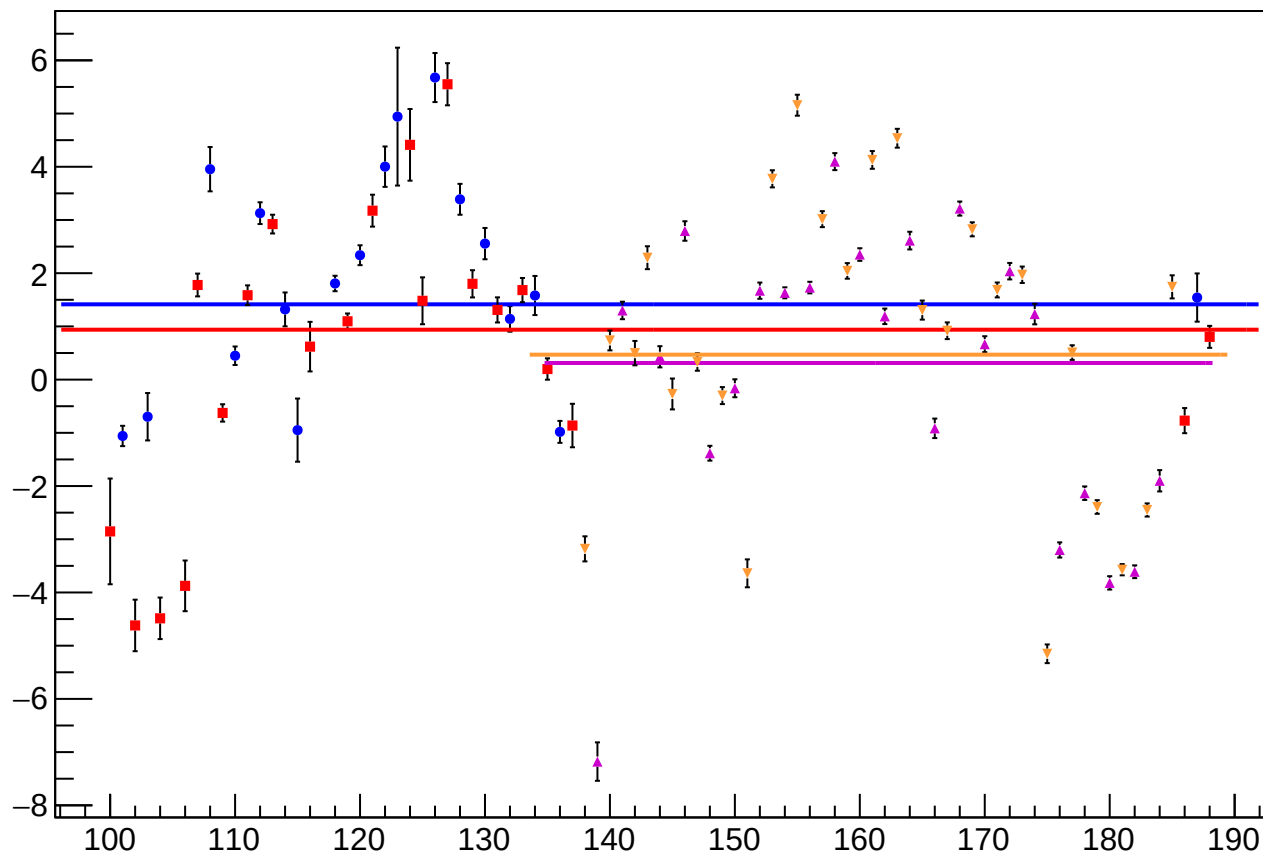
Right: 2.505 ± 0.098 χ^2/NDF : 44.2/2

In: -16.622 ± 0.038 χ^2/NDF : 48831.3/23

Out: -15.583 ± 0.036 χ^2/NDF : 123358.3/26

All: -16.086 ± 0.026 χ^2/NDF : 172583.8/50

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.415 ± 0.061 χ^2/NDF : 714.0/17

Left Out: 0.469 ± 0.032 χ^2/NDF : 7076.8/24

Right Out: 0.938 ± 0.054 χ^2/NDF : 1019.9/20

Left In: 0.313 ± 0.031 χ^2/NDF : 6235.0/22

Left: 0.386 ± 0.022 χ^2/NDF : 13324.1/47

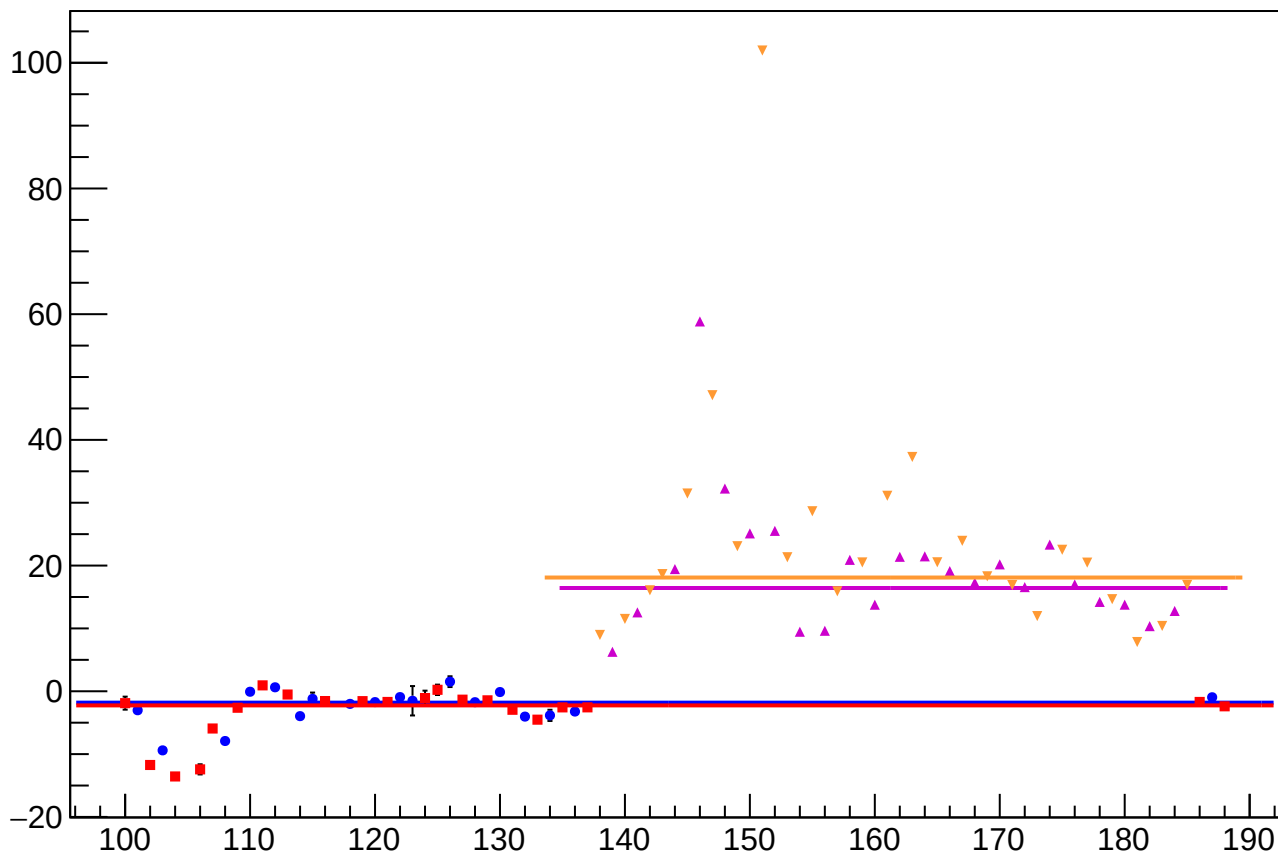
Right: 1.151 ± 0.040 χ^2/NDF : 1768.2/38

In: 0.536 ± 0.027 χ^2/NDF : 7213.3/40

Out: 0.591 ± 0.028 χ^2/NDF : 8151.7/45

All: 0.563 ± 0.019 χ^2/NDF : 15367.0/86

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: -2.248 ± 0.064 $\chi^2/\text{NDF}: 916.9/20$

Left In: 16.431 ± 0.038 $\chi^2/\text{NDF}: 41337.1/22$

Left: 17.232 ± 0.027 $\chi^2/\text{NDF}: 120078.5/47$

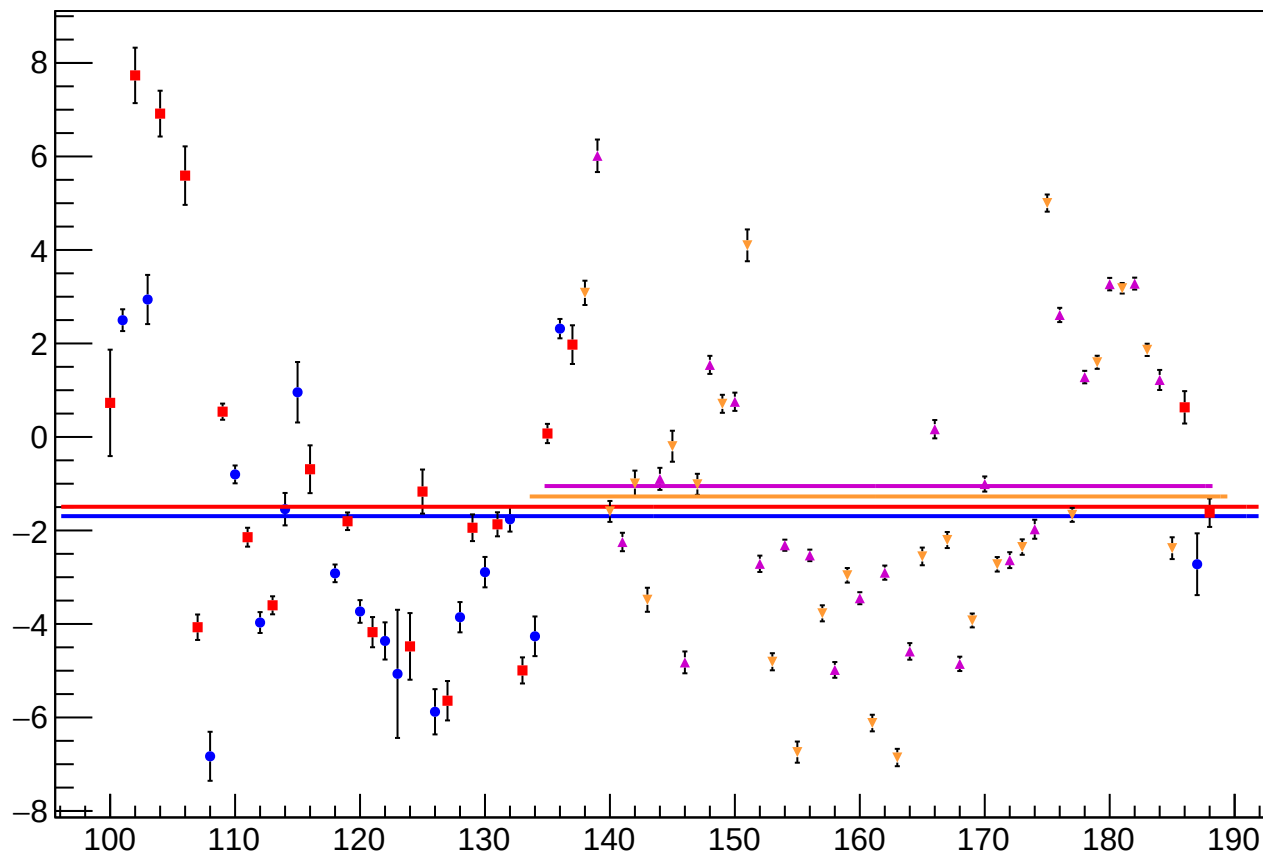
Right: -2.121 ± 0.054 $\chi^2/\text{NDF}: 1410.7/38$

In: 14.172 ± 0.035 $\chi^2/\text{NDF}: 71092.8/40$

Out: 12.588 ± 0.033 $\chi^2/\text{NDF}: 152321.8/45$

All: 13.338 ± 0.024 $\chi^2/\text{NDF}: 224485.6/86$

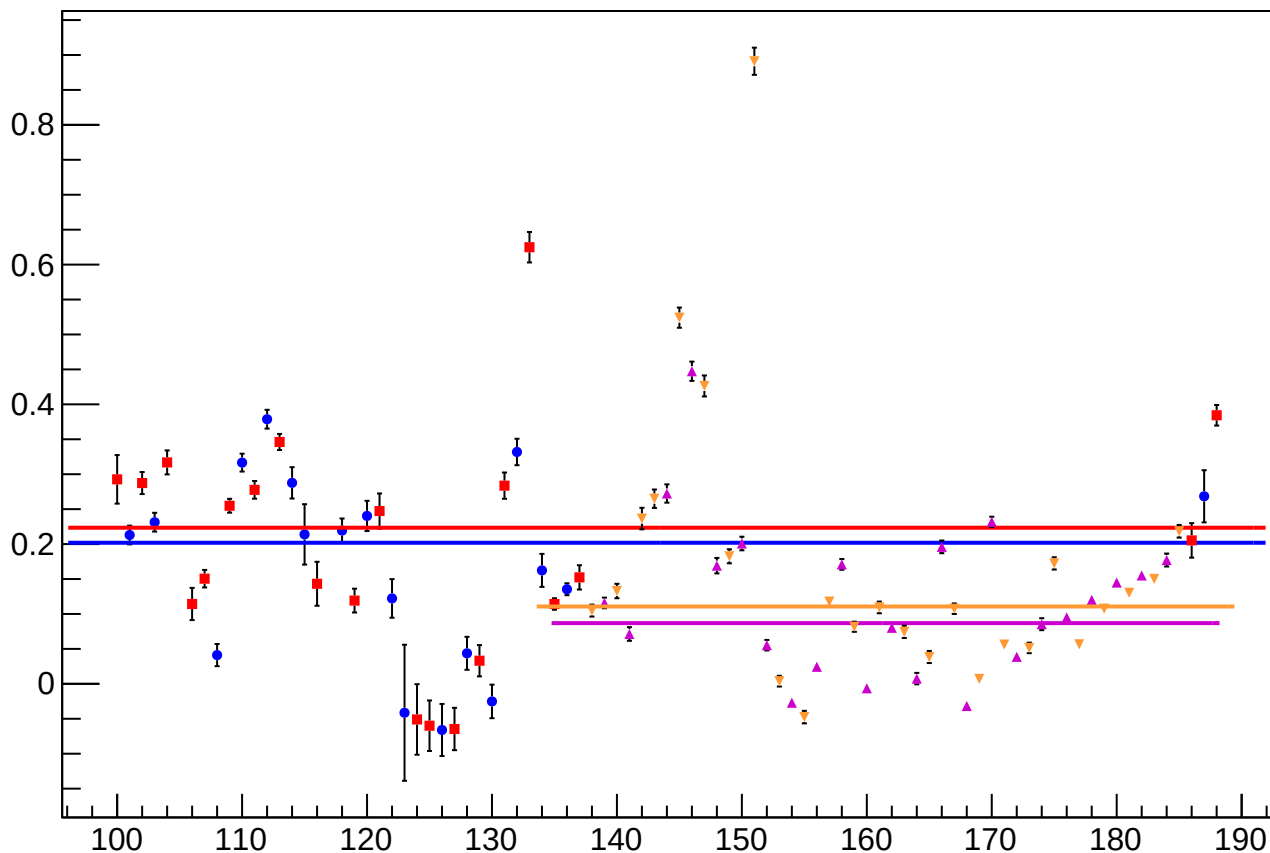
reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -1.493 ± 0.063 $\chi^2/\text{NDF}: 1543.7/20$
 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: -1.583 ± 0.047 $\chi^2/\text{NDF}: 2898.6/38$
 In: -1.173 ± 0.031 $\chi^2/\text{NDF}: 8131.8/40$
 Out: -1.327 ± 0.031 $\chi^2/\text{NDF}: 9483.9/45$
 All: -1.248 ± 0.022 $\chi^2/\text{NDF}: 17628.1/86$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 $\pm$ 0.004 χ^2 /NDF: 694.5/17

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF:4430.3/24

Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1209.7/20

Left In: 0.087 $\pm$ 0.001 χ^2 /NDF:3604.3/22

Left: 0.098 $\pm$ 0.001 χ^2 /NDF: 8153.0/47

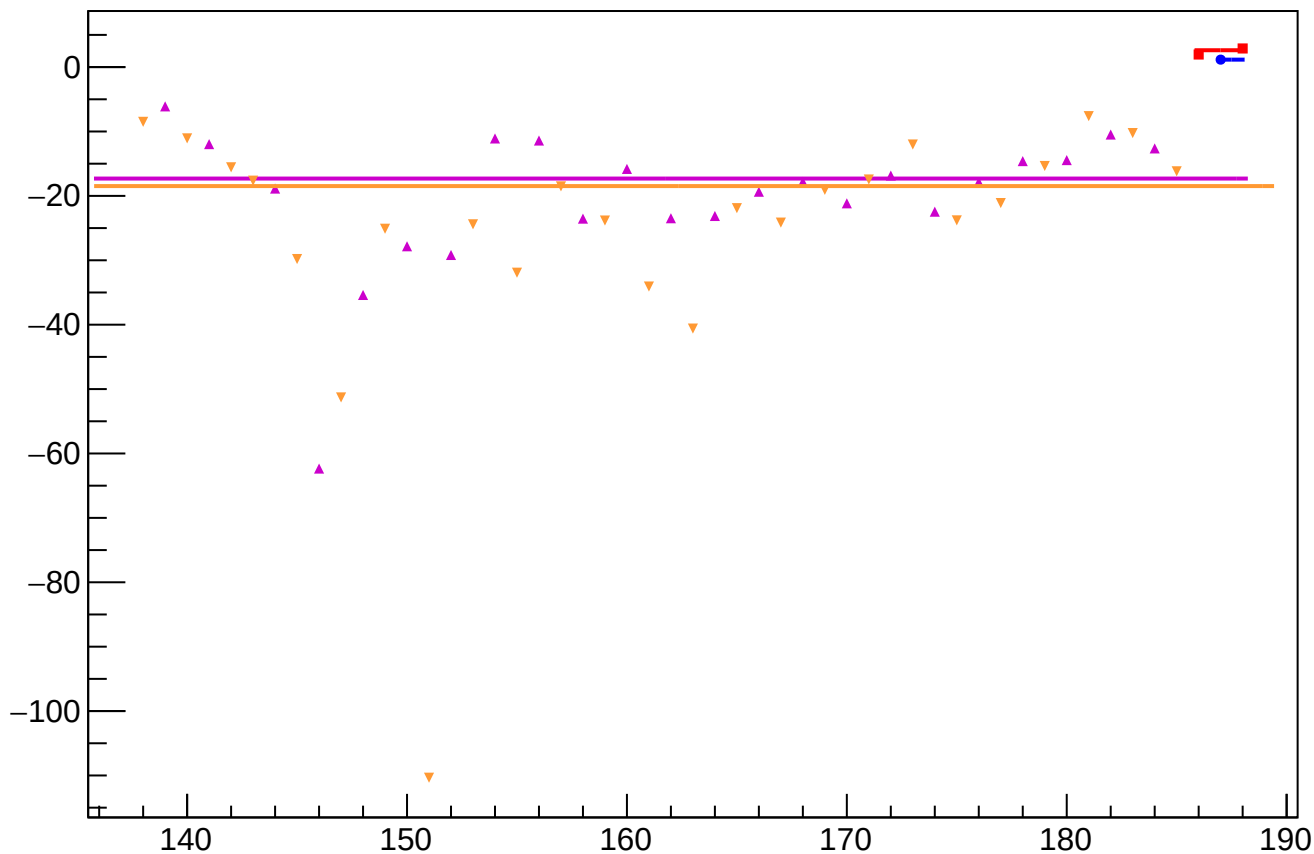
Right: 0.214 $\pm$ 0.003 χ^2 /NDF: 1920.0/38

In: 0.100 $\pm$ 0.001 χ^2 /NDF:4993.2/40

Out: 0.130 $\pm$ 0.001 χ^2 /NDF:6484.5/45

All: 0.115 $\pm$ 0.001 χ^2 /NDF: 11691.2/86

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: 2.617+/-0.104 χ^2/NDF : 16.8/1

Left In: -17.309+/-0.039 χ^2/NDF : 43807.0/22

Left: -17.879+/-0.028 χ^2/NDF : 132106.2/47

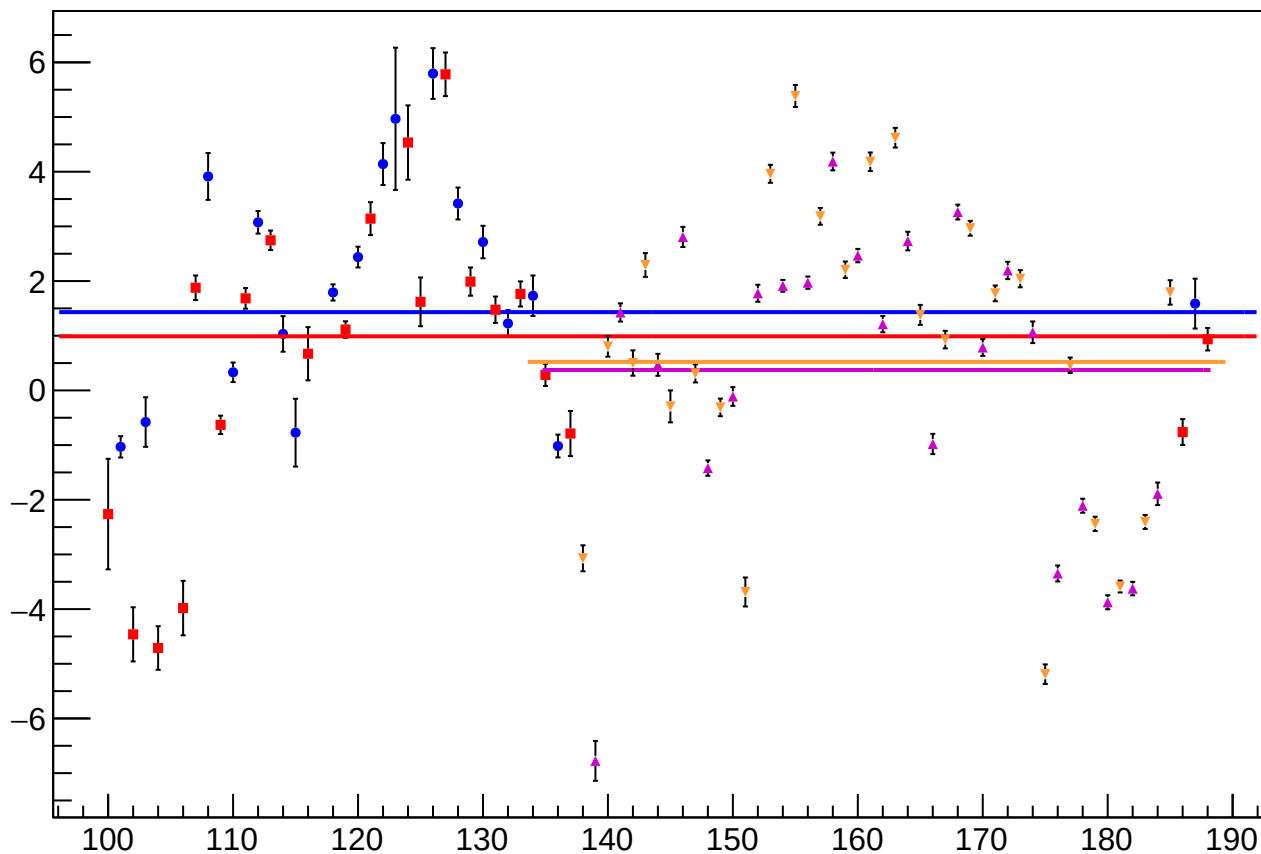
Right: 2.444+/-0.098 χ^2/NDF : 40.2/2

In: -16.969+/-0.038 χ^2/NDF : 47976.8/23

Out: -15.793+/-0.037 χ^2/NDF : 123728.9/26

All: -16.361+/-0.027 χ^2/NDF : 172190.3/50

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 $\pm$ 0.062 χ^2 /NDF: 711.6/17

Left Out: 0.522 $\pm$ 0.033 χ^2 /NDF:7038.3/24

Right Out: 0.990 $\pm$ 0.055 χ^2 /NDF: 994.9/20

Left In: 0.373 $\pm$ 0.031 χ^2 /NDF:6263.9/22

Left: 0.443 $\pm$ 0.023 χ^2 /NDF: 13312.8/47

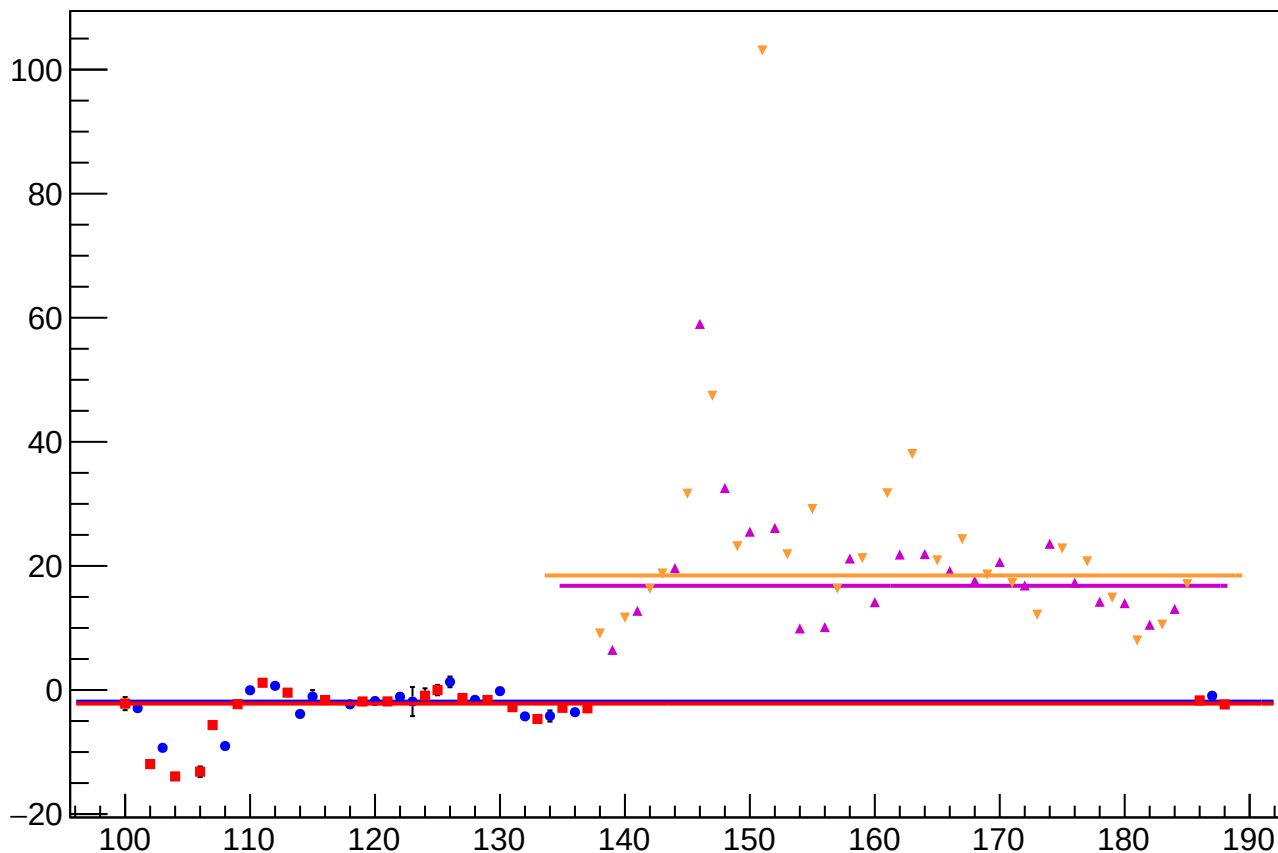
Right: 1.187 $\pm$ 0.041 χ^2 /NDF: 1734.9/38

In: 0.590 $\pm$ 0.028 χ^2 /NDF:7210.2/40

Out: 0.644 $\pm$ 0.028 χ^2 /NDF:8085.7/45

All: 0.617 $\pm$ 0.020 χ^2 /NDF: 15297.7/86

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: -2.192 ± 0.064 $\chi^2/\text{NDF}: 932.3/20$

Left In: 16.798 ± 0.038 $\chi^2/\text{NDF}: 40258.9/22$

Left: 17.599 ± 0.028 $\chi^2/\text{NDF}: 118354.8/47$

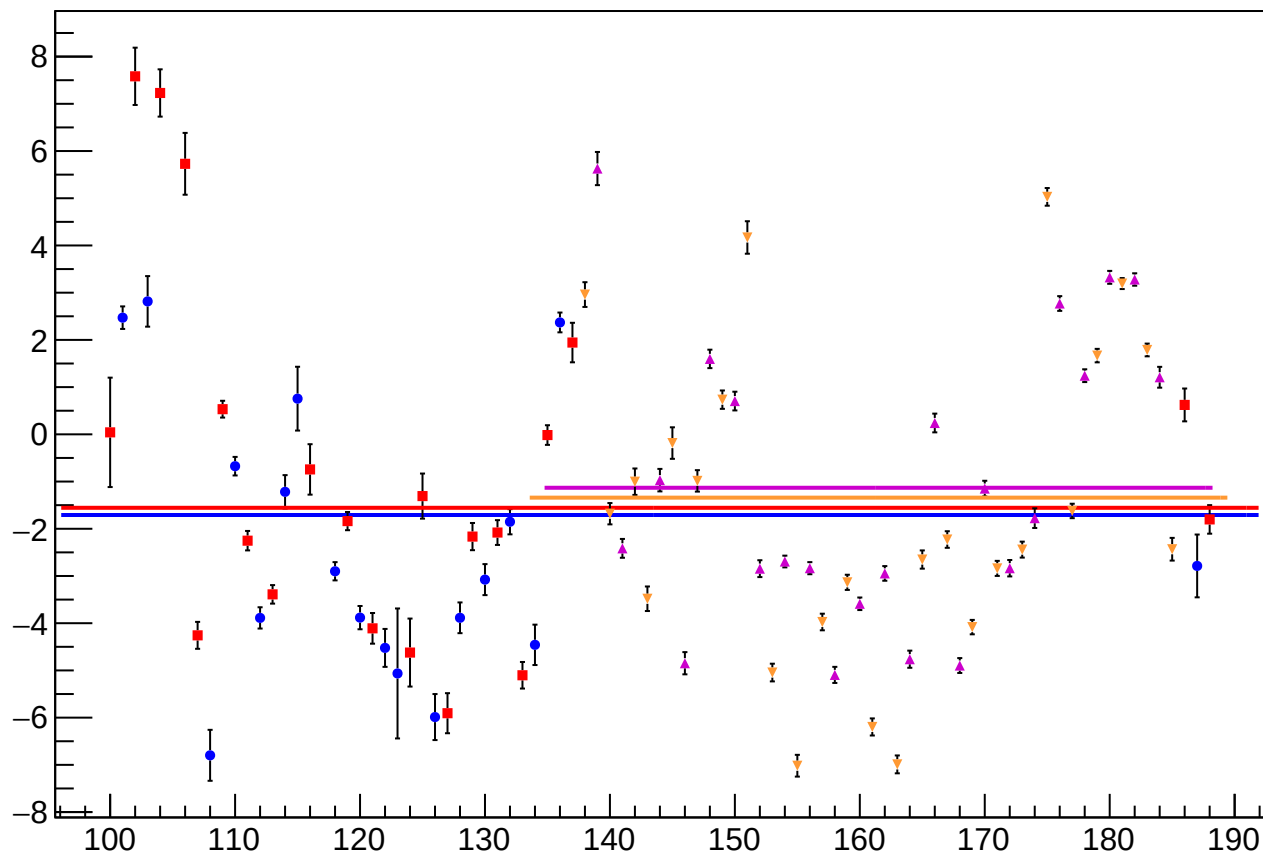
Right: -2.100 ± 0.054 $\chi^2/\text{NDF}: 1446.2/38$

In: 14.452 ± 0.036 $\chi^2/\text{NDF}: 70435.3/40$

Out: 12.737 ± 0.034 $\chi^2/\text{NDF}: 152315.8/45$

All: 13.546 ± 0.025 $\chi^2/\text{NDF}: 223954.4/86$

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: -1.556 ± 0.064 $\chi^2/\text{NDF}: 1508.3/20$

Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6743.4/22$

Left: -1.231 ± 0.025 $\chi^2/\text{NDF}: 14646.5/47$

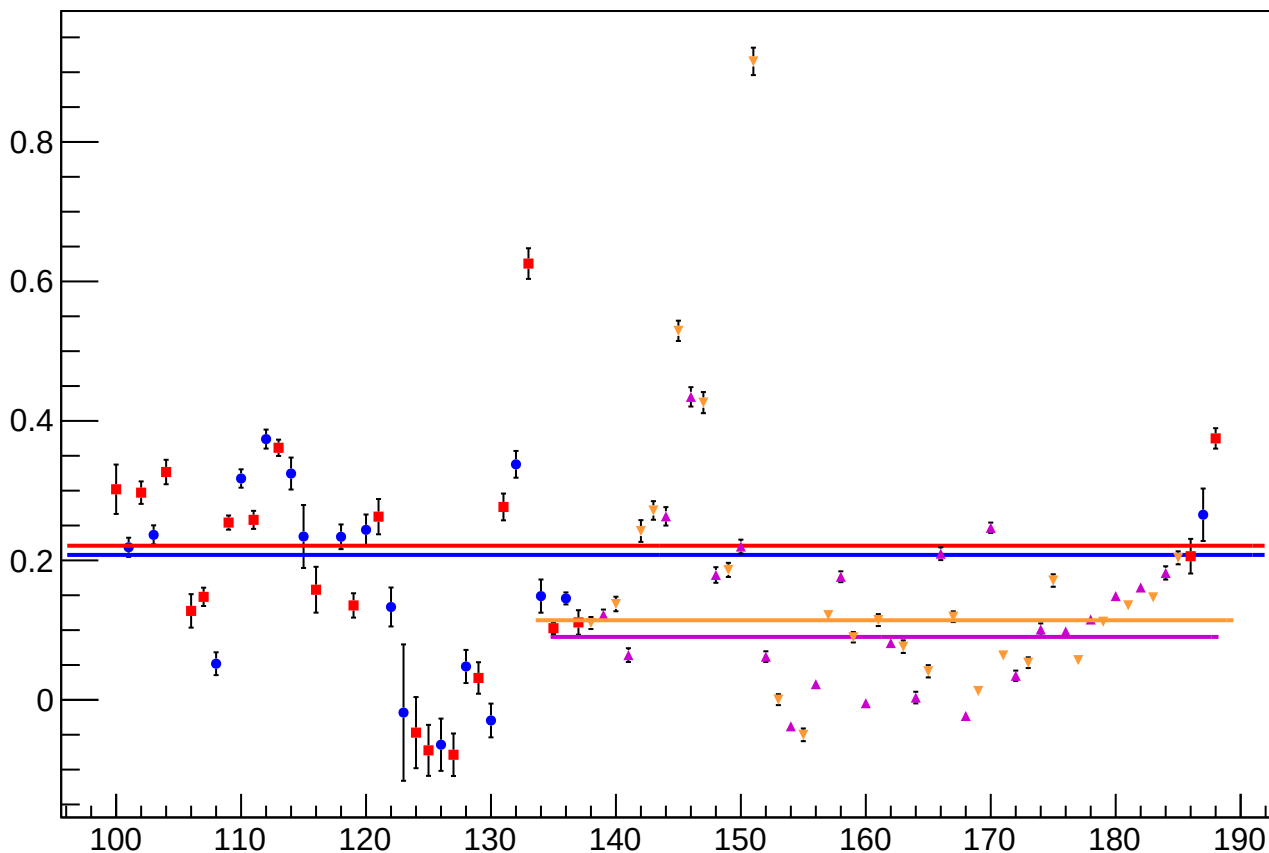
Right: -1.624 ± 0.048 $\chi^2/\text{NDF}: 2846.8/38$

In: -1.243 ± 0.031 $\chi^2/\text{NDF}: 8132.4/40$

Out: -1.394 ± 0.032 $\chi^2/\text{NDF}: 9402.7/45$

All: -1.317 ± 0.022 $\chi^2/\text{NDF}: 17546.5/86$

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: 0.221 $\pm$ 0.004 χ^2 /NDF: 1263.2/20

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

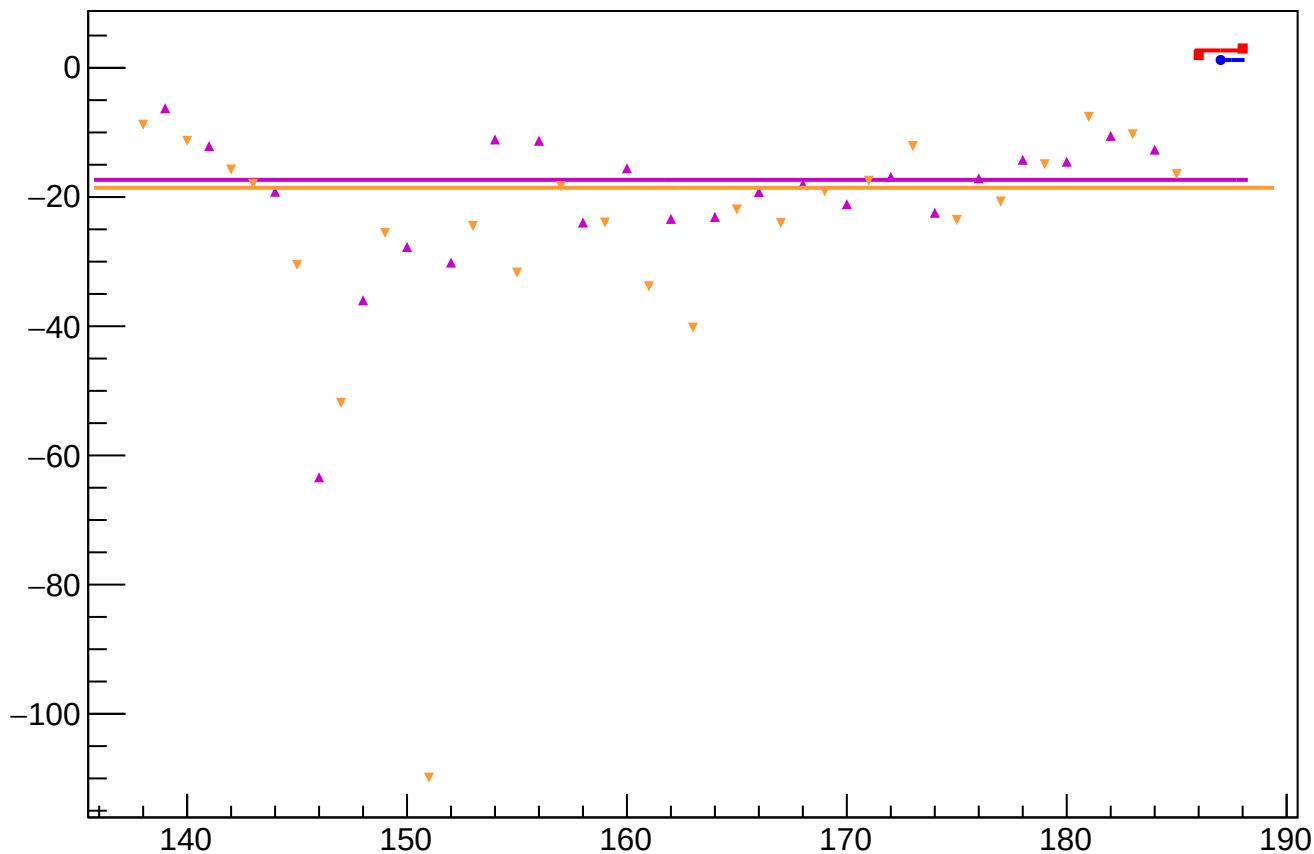
Right: 0.215 $\pm$ 0.003 χ^2 /NDF: 1927.6/38

In: 0.104 $\pm$ 0.001 χ^2 /NDF: 5037.7/40

Out: 0.132 $\pm$ 0.001 χ^2 /NDF: 6376.1/45

All: 0.118 $\pm$ 0.001 χ^2 /NDF: 11600.1/86

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: 2.692 ± 0.106 χ^2/NDF : 19.3/1

Left In: -17.335 ± 0.039 χ^2/NDF : 44078.7/22

Left: -17.934 ± 0.028 χ^2/NDF : 130909.9/47

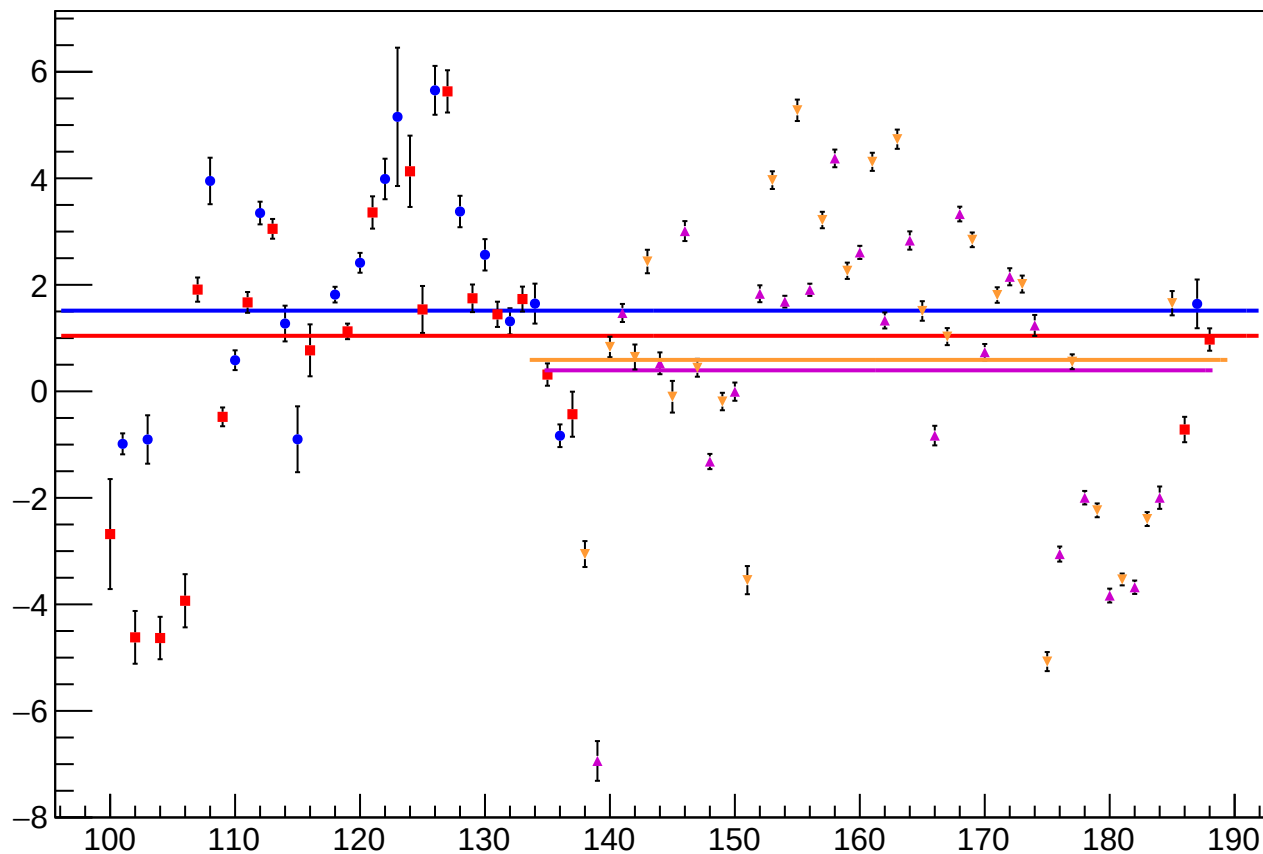
Right: 2.512 ± 0.099 χ^2/NDF : 43.0/2

In: -16.989 ± 0.039 χ^2/NDF : 48262.5/23

Out: -15.900 ± 0.038 χ^2/NDF : 121535.7/26

All: -16.427 ± 0.027 χ^2/NDF : 170205.7/50

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: 1.043 ± 0.056 χ^2/NDF : 975.4/20

Left In: 0.394 ± 0.032 χ^2/NDF : 6112.7/22

Left: 0.487 ± 0.023 χ^2/NDF : 12911.2/47

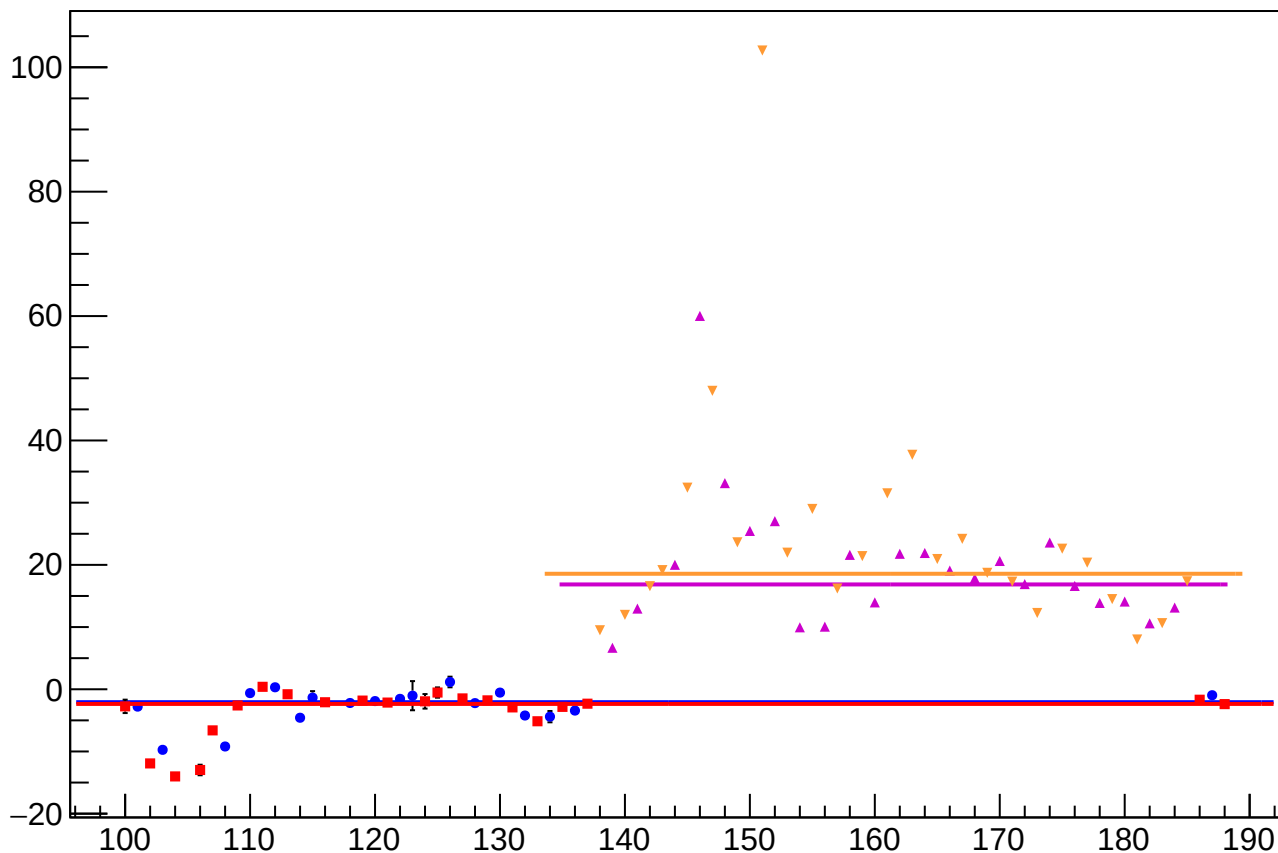
Right: 1.255 ± 0.042 χ^2/NDF : 1677.1/38

In: 0.625 ± 0.028 χ^2/NDF : 7041.2/40

Out: 0.708 ± 0.029 χ^2/NDF : 7803.7/45

All: 0.666 ± 0.020 χ^2/NDF : 14849.2/86

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Left: 17.679 ± 0.028 $\chi^2/\text{NDF}: 117514.0/47$

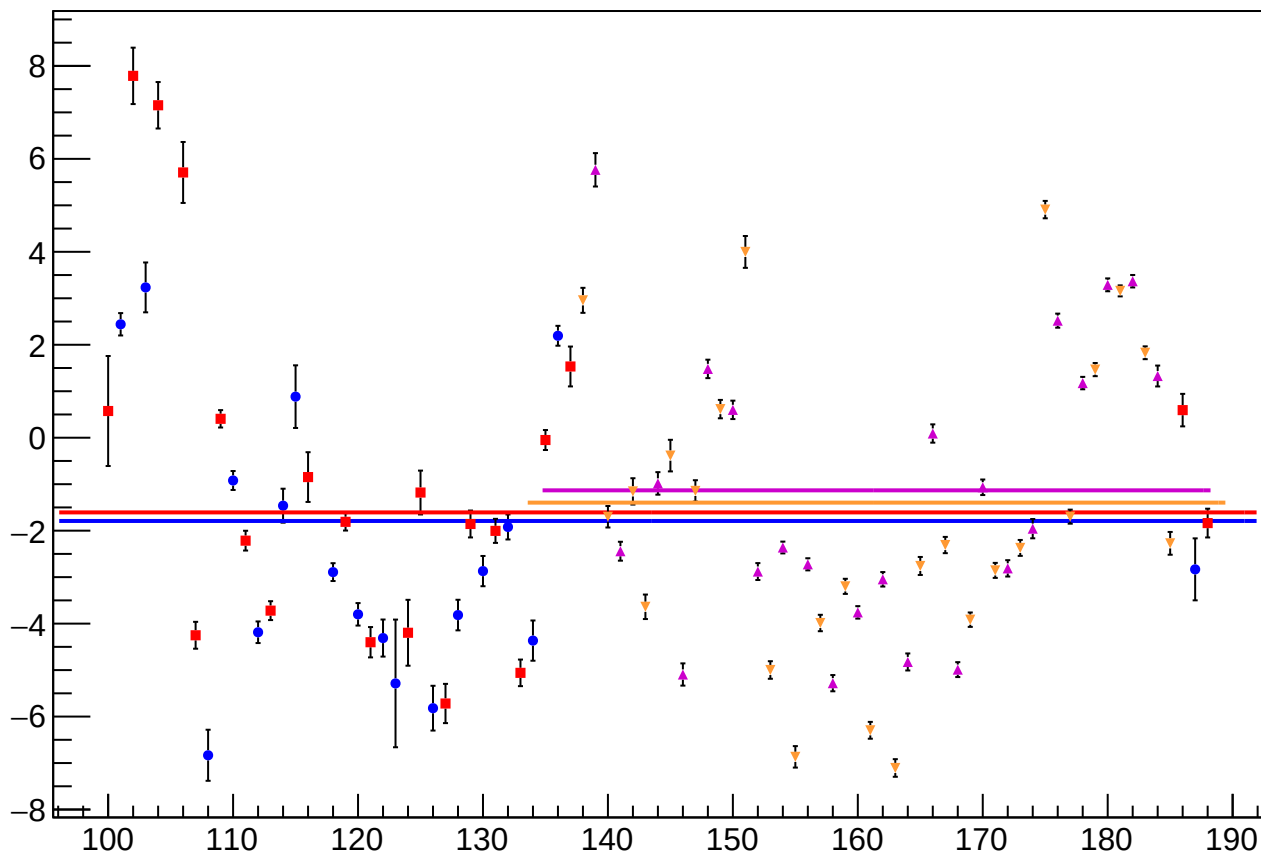
Right: -2.275 ± 0.055 $\chi^2/\text{NDF}: 1339.7/38$

In: 14.490 ± 0.036 $\chi^2/\text{NDF}: 70833.6/40$

Out: 12.856 ± 0.034 $\chi^2/\text{NDF}: 150460.5/45$

All: 13.629 ± 0.025 $\chi^2/\text{NDF}: 222364.2/86$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.791 ± 0.072 χ^2/NDF : 1274.5/17

Left Out: -1.397 ± 0.037 χ^2/NDF : 7631.3/24

Right Out: -1.607 ± 0.065 χ^2/NDF : 1470.8/20

Left In: -1.132 ± 0.035 χ^2/NDF : 6638.3/22

Left: -1.258 ± 0.025 χ^2/NDF : 14296.5/47

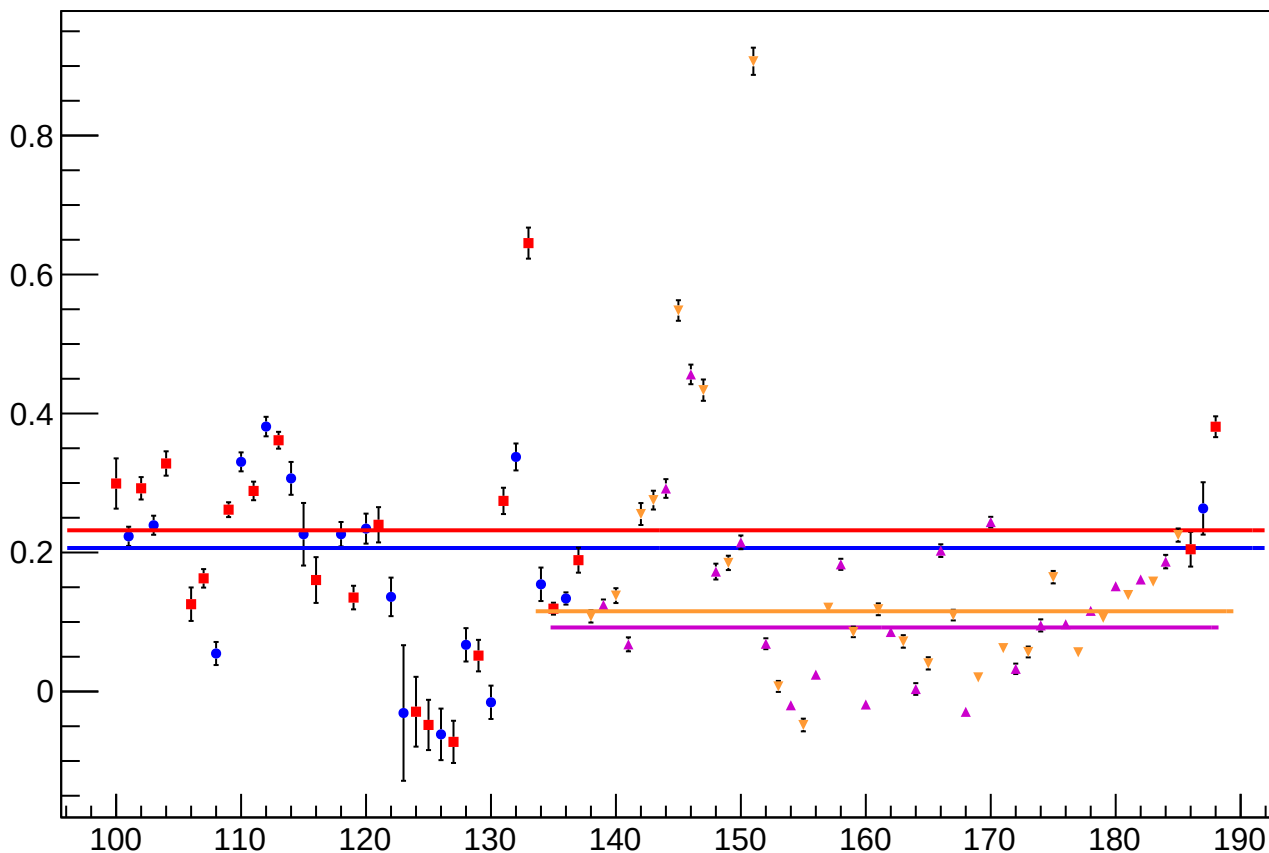
Right: -1.690 ± 0.048 χ^2/NDF : 2749.0/38

In: -1.259 ± 0.032 χ^2/NDF : 7980.7/40

Out: -1.448 ± 0.032 χ^2/NDF : 9110.0/45

All: -1.352 ± 0.023 χ^2/NDF : 17108.2/86

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: 0.232 $\pm$ 0.004 χ^2 /NDF: 1147.9/20
 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: 0.221 $\pm$ 0.003 χ^2 /NDF: 1822.7/38
 In: 0.106 $\pm$ 0.001 χ^2 /NDF:4931.6/40
 Out: 0.135 $\pm$ 0.002 χ^2 /NDF:6407.4/45
 All: 0.120 $\pm$ 0.001 χ^2 /NDF: 11537.2/86