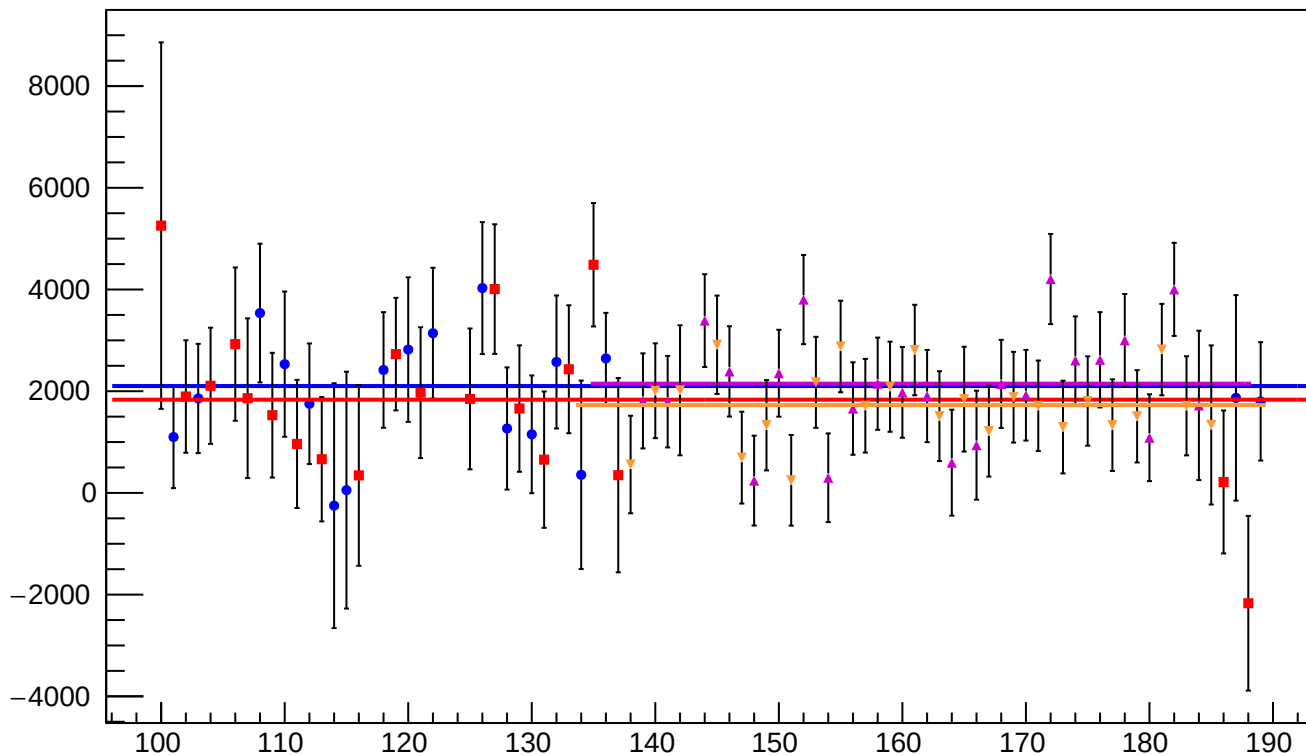


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2101.624+/-301.991

Left Out: 1728.518+/-190.668

Right Out: 1833.471+/-301.782

Left In: 2148.611+/-191.090

χ^2/NDF : 9.9/17

χ^2/NDF :13.4/23

χ^2/NDF : 20.4/19

χ^2/NDF :31.5/22

Left: 1938.099+/-134.972

Right: 1967.455+/-213.466

In: 2135.176+/-161.478

Out: 1758.461+/-161.191

All: 1946.483+/-114.081

χ^2/NDF : 47.3/46

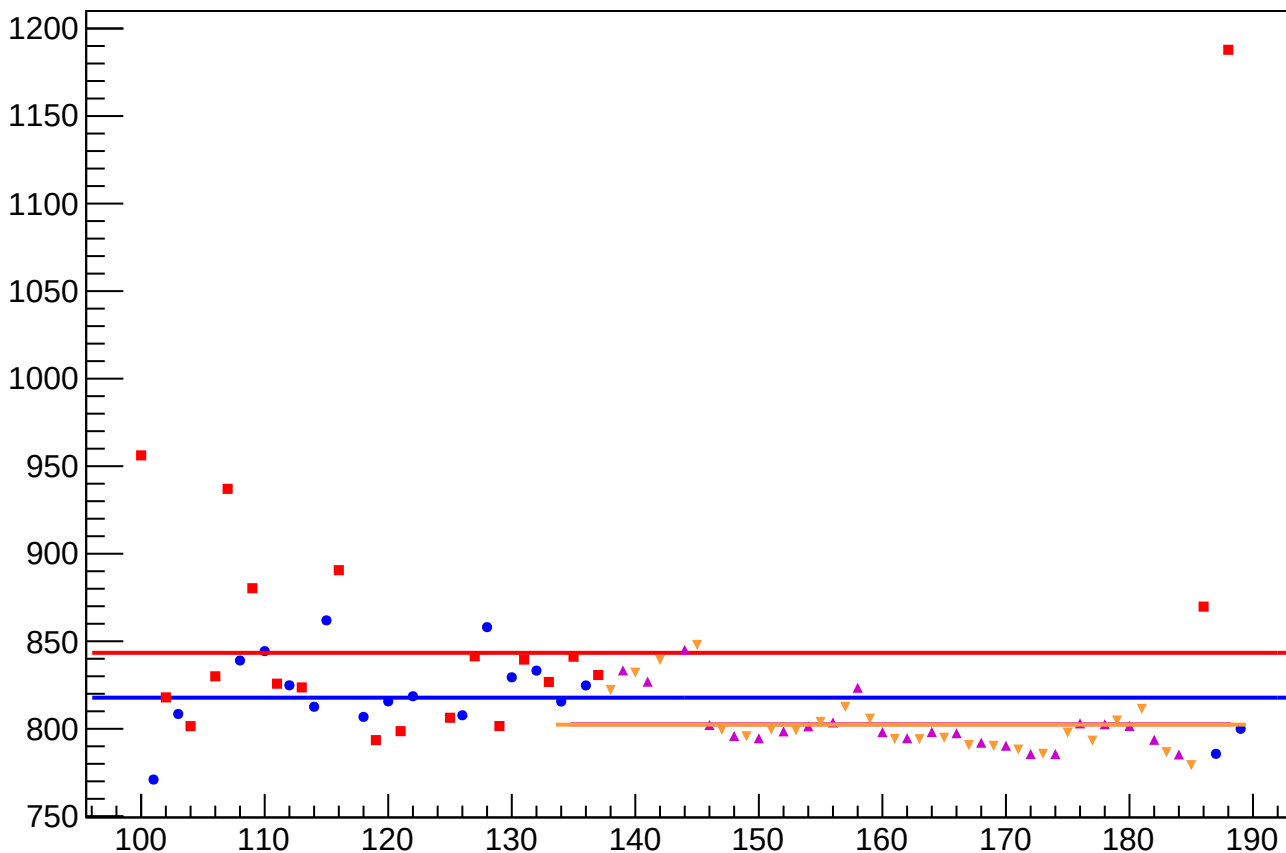
χ^2/NDF : 30.7/37

χ^2/NDF :41.4/40

χ^2/NDF :33.9/43

χ^2/NDF : 78.0/84

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 817.782 $\pm$ 0.214 χ^2 /NDF: 10596.8/17

Left Out: 802.383 $\pm$ 0.135 χ^2 /NDF:13224.9/23

Right Out: 843.400 $\pm$ 0.213 χ^2 /NDF: 108920.6/19

Left In: 802.565 $\pm$ 0.135 χ^2 /NDF:12297.8/22

Left: 802.474 $\pm$ 0.095 χ^2 /NDF: 25523.6/46

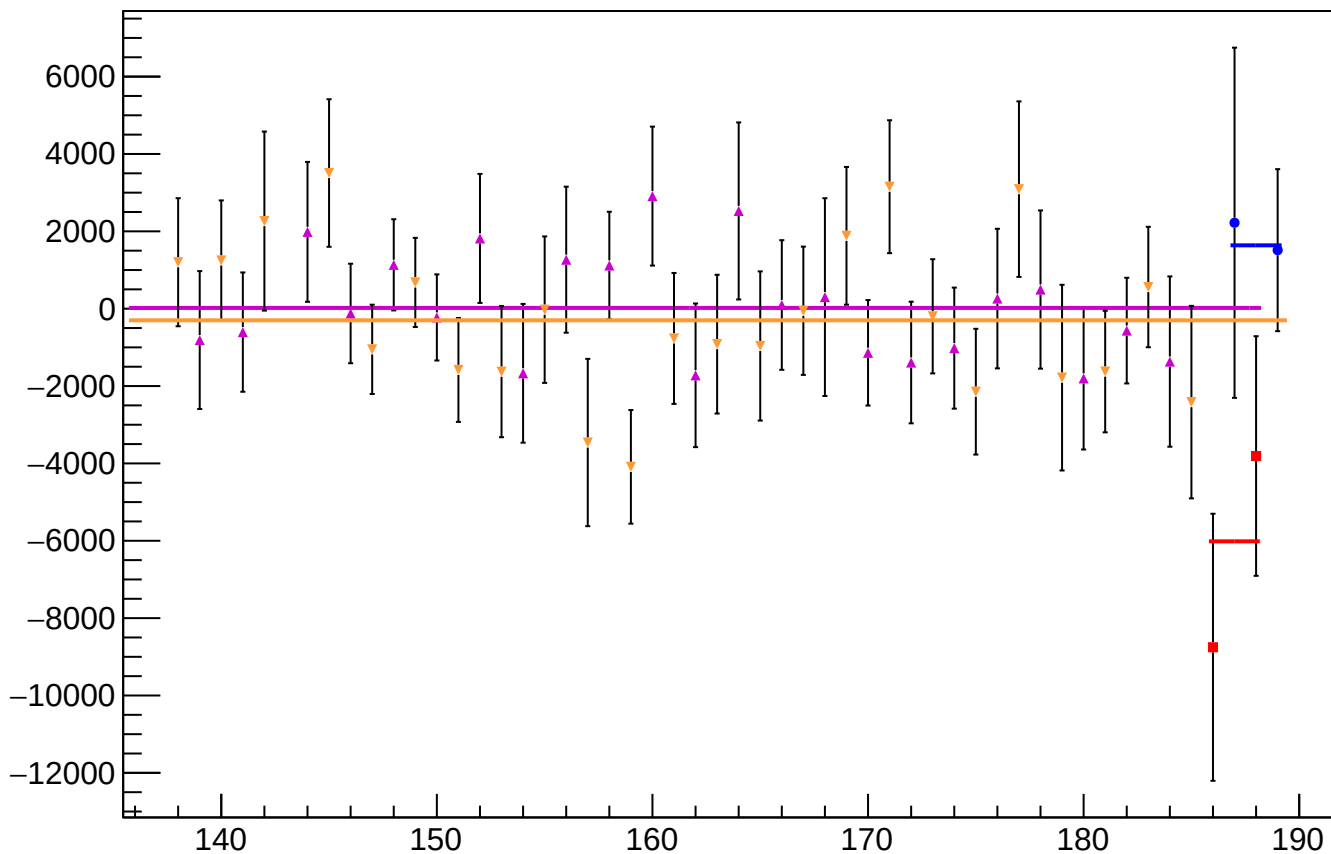
Right: 830.599 $\pm$ 0.151 χ^2 /NDF: 126718.6/37

In: 806.916 $\pm$ 0.114 χ^2 /NDF:26520.4/40

Out: 814.085 $\pm$ 0.114 χ^2 /NDF:148550.9/43

All: 810.507 $\pm$ 0.081 χ^2 /NDF: 177045.7/84

asym_us_avg_correction_mean vs Slug, Sign Corrected



Right In: 1638.138 $\pm$ 1900.888 χ^2 /NDF: 0.0/1

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

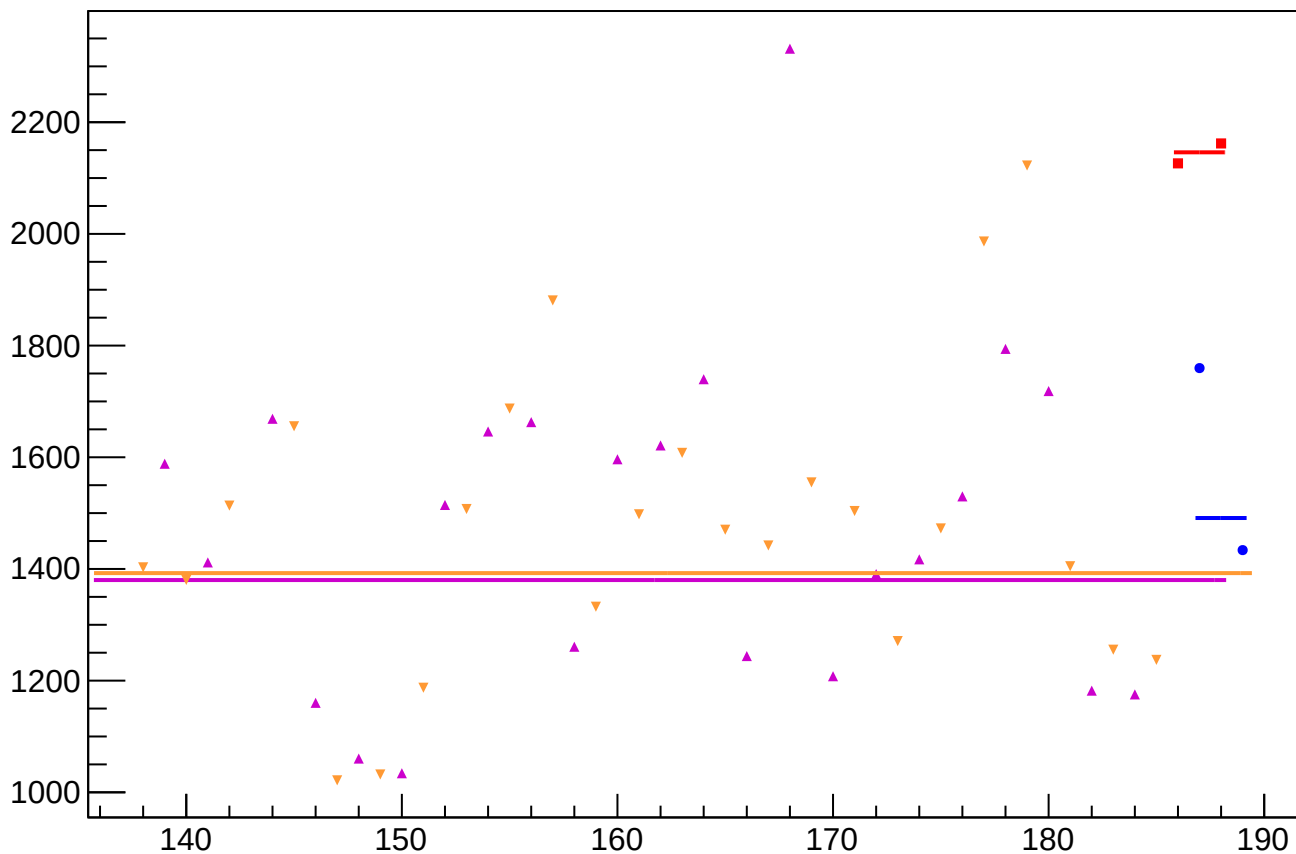
Right: -1458.733 $\pm$ 1466.658 χ^2 /NDF: 7.7/3

In: 68.978 $\pm$ 330.523 χ^2 /NDF:14.6/24

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

All: -172.518 $\pm$ 235.213 χ^2 /NDF: 52.9/50

asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 1491.225 $\pm$ 1.344 χ^2/NDF : 8540.7/1

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

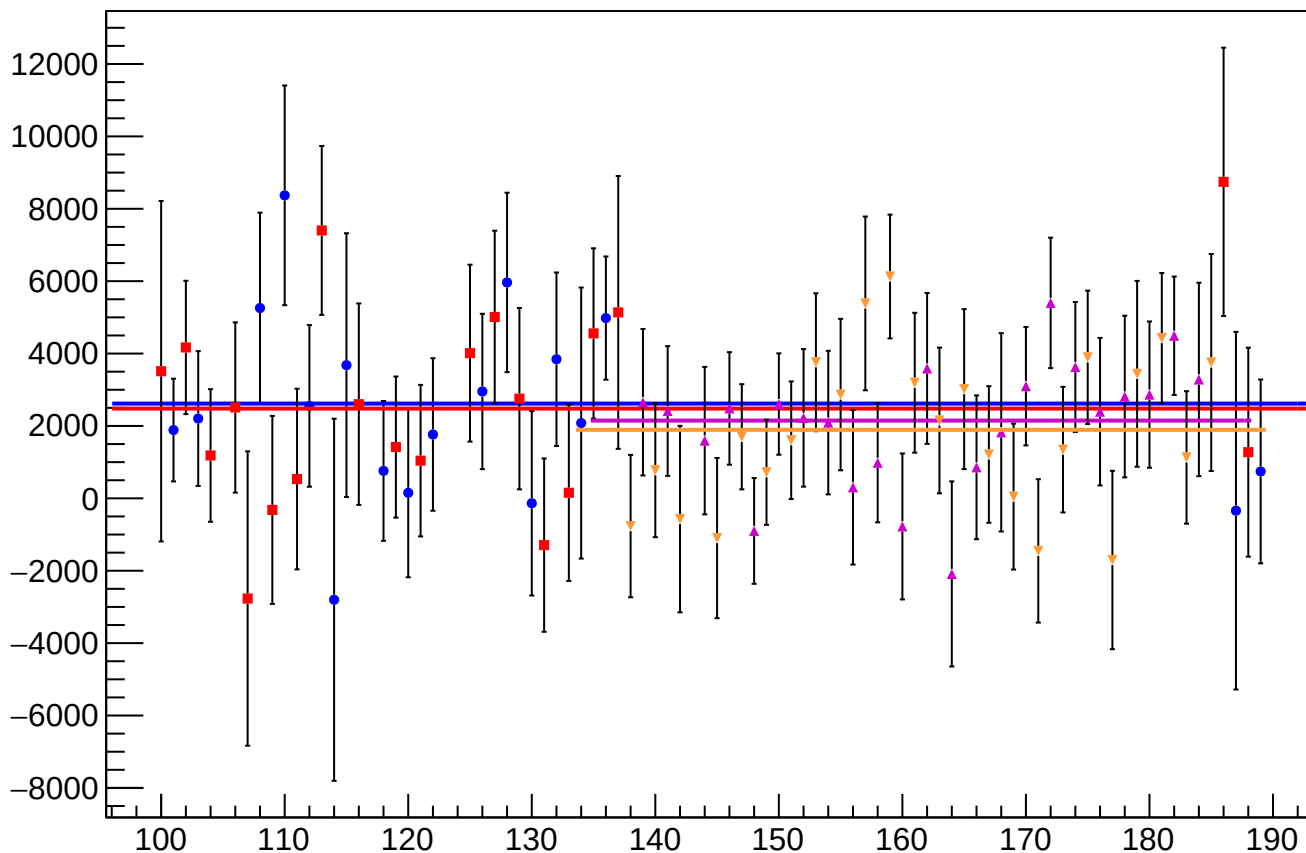
Right: 1756.234 $\pm$ 1.037 χ^2/NDF : 104713.5/3

In: 1383.480 $\pm$ 0.234 χ^2/NDF : 1268068.0/24

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

All: 1395.805 $\pm$ 0.166 χ^2/NDF : 2568930.4/50

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2618.186 $\pm$ 546.232 χ^2 /NDF: 14.5/17

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

Right Out: 2480.222 $\pm$ 552.007 χ^2 /NDF: 19.3/19

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

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

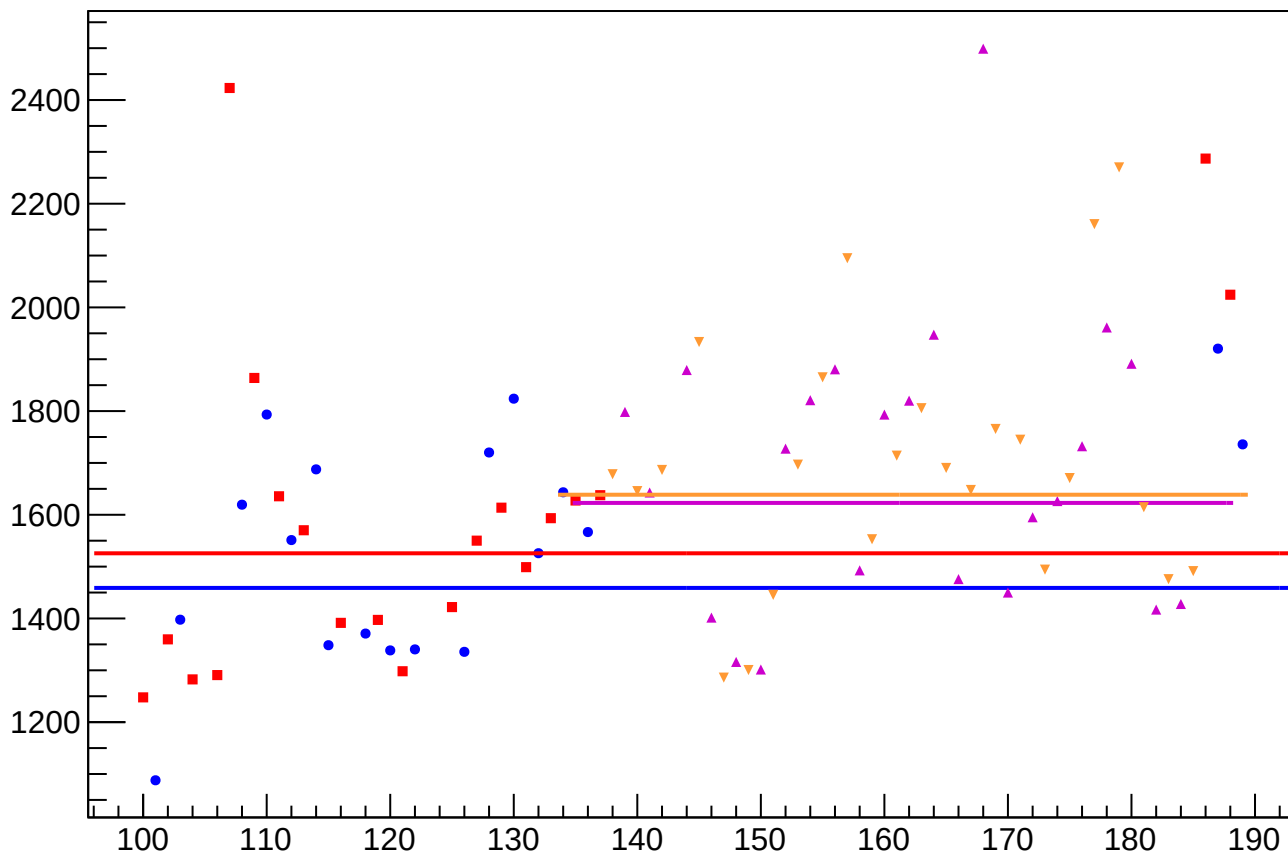
Right: 2549.930 $\pm$ 388.270 χ^2 /NDF: 33.8/37

In: 2308.254 $\pm$ 318.324 χ^2 /NDF:33.4/40

Out: 2091.400 $\pm$ 321.121 χ^2 /NDF:46.0/43

All: 2200.776 $\pm$ 226.071 χ^2 /NDF: 79.6/84

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1458.931+/-0.386 χ^2/NDF : 321515.1/17

Left Out: 1638.679+/-0.279 χ^2/NDF : 671983.1/23

Right Out: 1525.688+/-0.390 χ^2/NDF : 408968.0/19

Left In: 1622.876+/-0.277 χ^2/NDF : 780522.2/22

Left: 1630.716+/-0.197 χ^2/NDF : 1454120.1/46

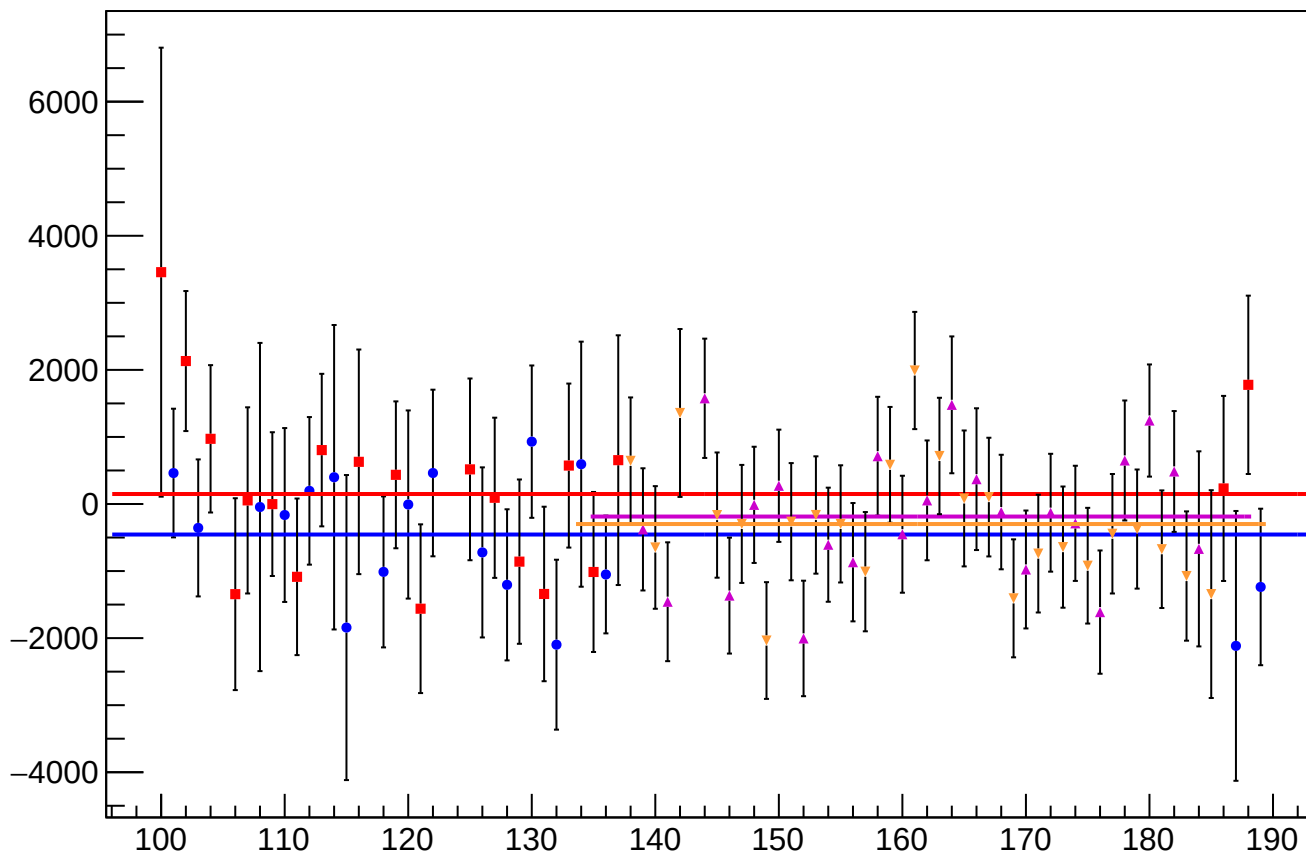
Right: 1491.958+/-0.275 χ^2/NDF : 745262.4/37

In: 1567.198+/-0.225 χ^2/NDF : 1221017.0/40

Out: 1600.441+/-0.227 χ^2/NDF : 1136390.0/43

All: 1583.674+/-0.160 χ^2/NDF : 2368217.9/84

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -455.158 ± 296.845 χ^2/NDF : 8.3/17

Left Out: -298.690 ± 186.973 χ^2/NDF : 21.0/23

Right Out: 149.033 ± 285.209 χ^2/NDF : 14.4/19

Left In: -187.064 ± 187.529 χ^2/NDF : 25.4/22

Left: -243.043 ± 132.406 χ^2/NDF : 46.5/46

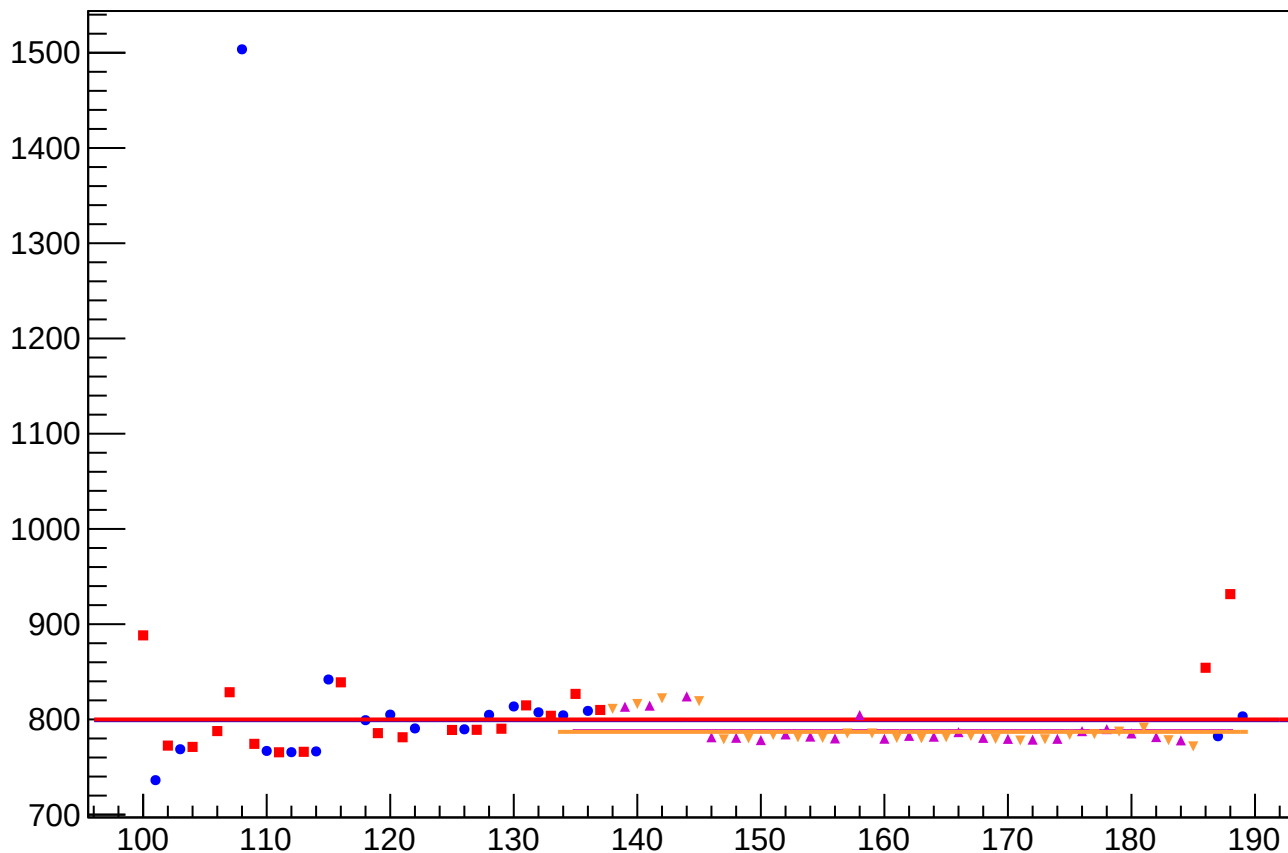
Right: -140.988 ± 205.664 χ^2/NDF : 24.9/37

In: -263.539 ± 158.542 χ^2/NDF : 34.3/40

Out: -164.111 ± 156.367 χ^2/NDF : 37.1/43

All: -213.138 ± 111.329 χ^2/NDF : 71.6/84

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 799.203 $\pm$ 0.210 χ^2 /NDF: 181468.5/17

Left Out: 786.958 $\pm$ 0.132 χ^2 /NDF:9150.0/23

Right Out: 799.947 $\pm$ 0.202 χ^2 /NDF: 36131.1/19

Left In: 787.707 $\pm$ 0.133 χ^2 /NDF:9449.8/22

Left: 787.331 $\pm$ 0.094 χ^2 /NDF: 18615.8/46

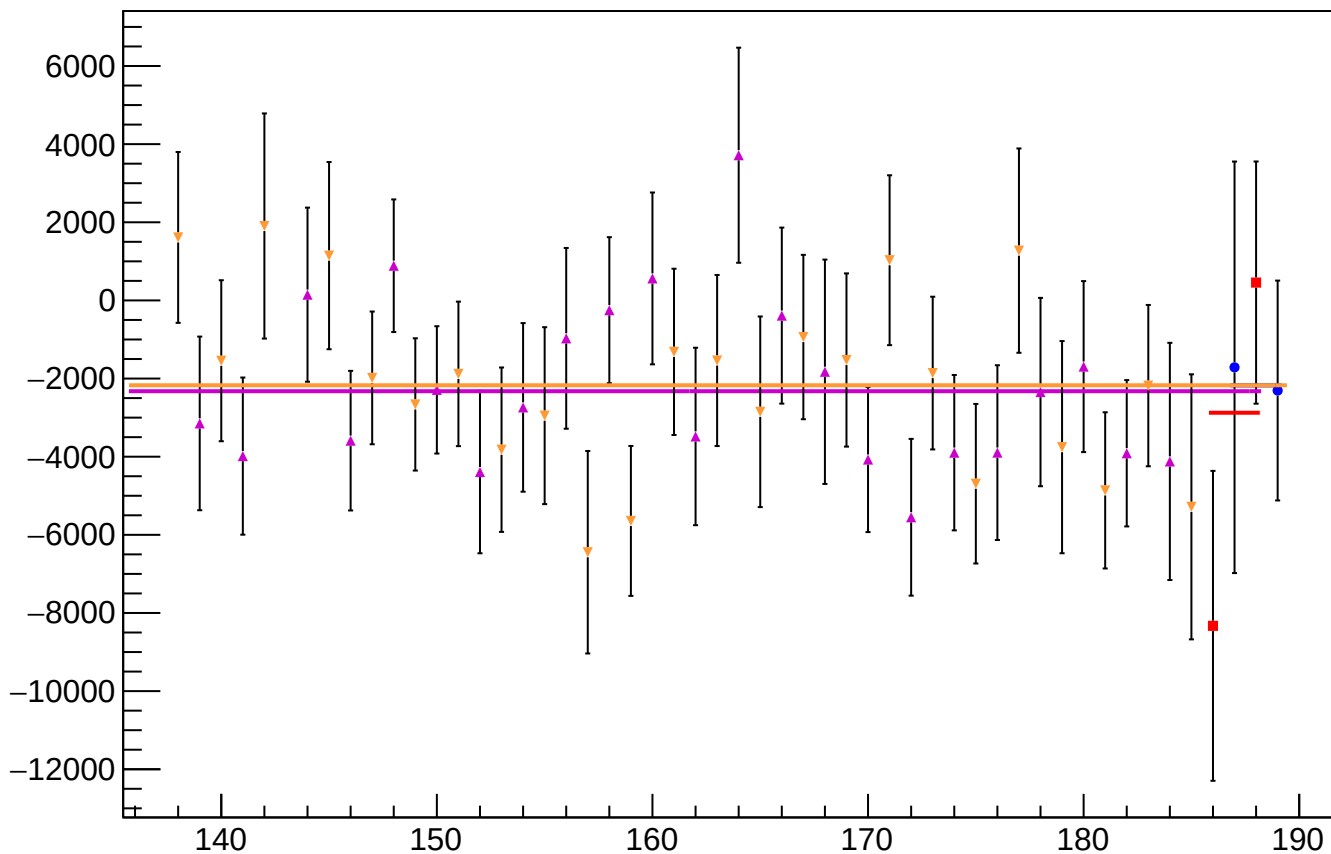
Right: 799.590 $\pm$ 0.145 χ^2 /NDF: 217606.2/37

In: 790.986 $\pm$ 0.112 χ^2 /NDF:193062.3/40

Out: 790.862 $\pm$ 0.111 χ^2 /NDF:48182.4/43

All: 790.923 $\pm$ 0.079 χ^2 /NDF: 241245.3/84

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -2174.549+/-2481.773 χ^2/NDF : 0.0/1

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

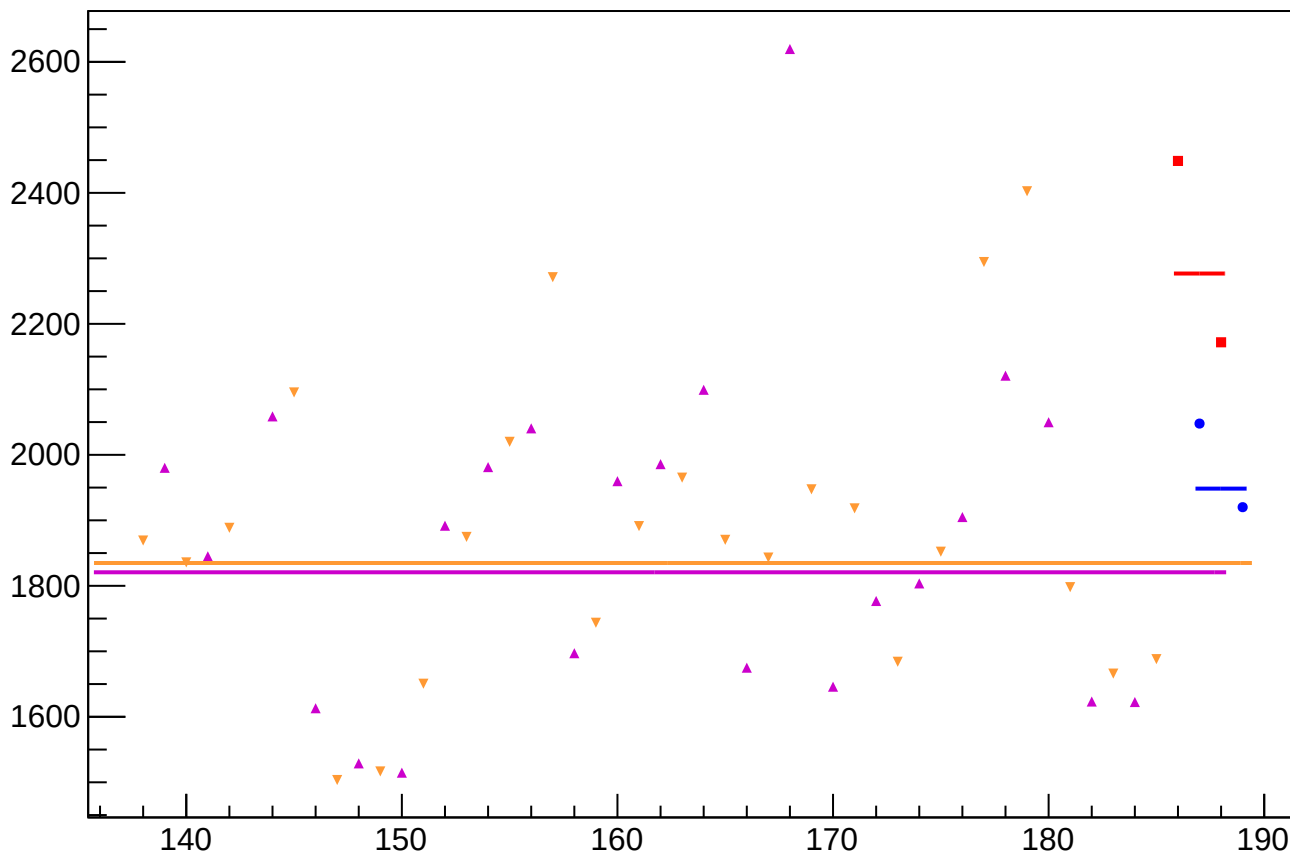
Right: -2530.414+/-1740.740 χ^2/NDF : 3.1/3

In: -2319.250+/-430.869 χ^2/NDF :22.1/24

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

All: -2256.989+/-305.468 χ^2/NDF : 48.3/50

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 1948.426 $\pm$ 1.755 χ^2 /NDF: 914.0/1

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

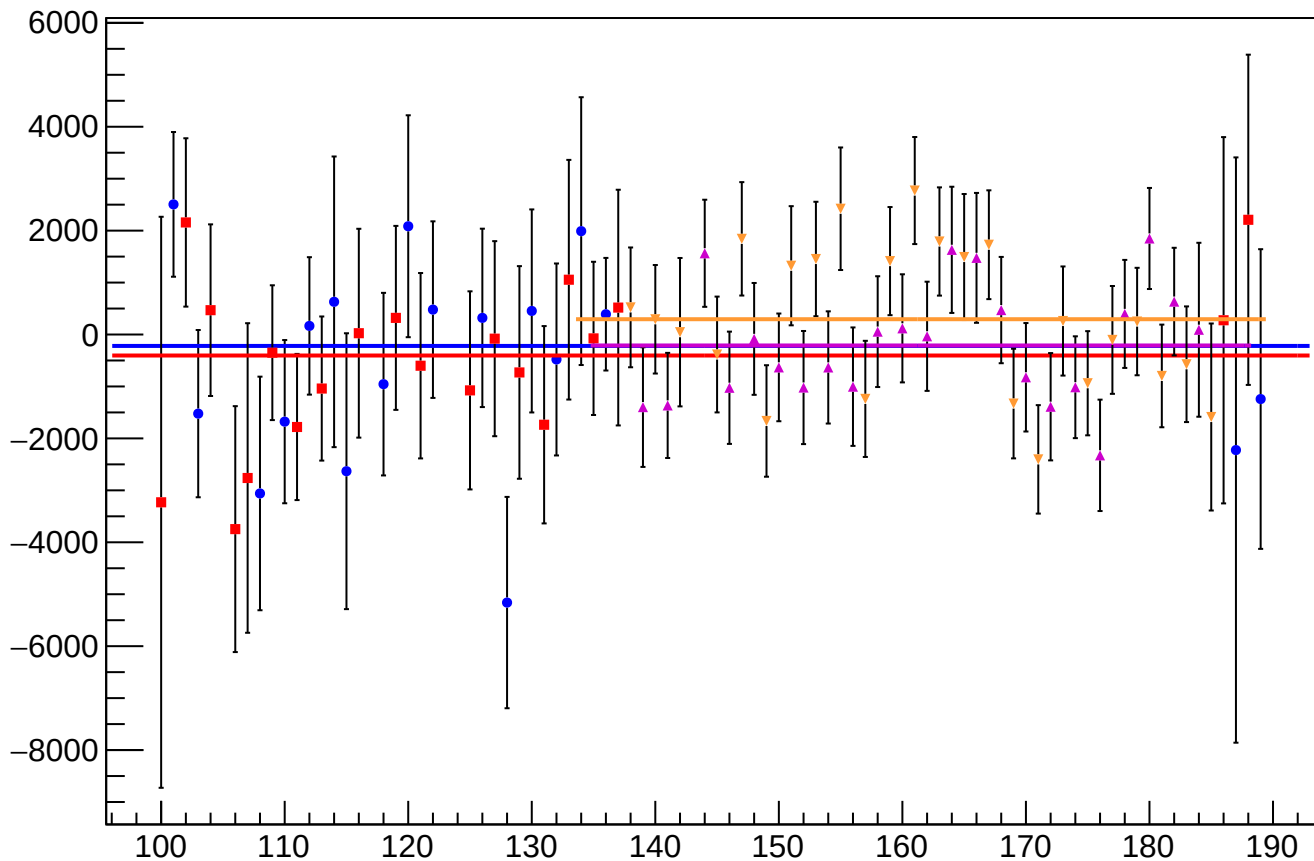
Right: 2115.269 $\pm$ 1.231 χ^2 /NDF: 24759.0/3

In: 1824.520 $\pm$ 0.305 χ^2 /NDF: 543964.2/24

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

All: 1836.573 $\pm$ 0.216 χ^2 /NDF: 1079465.3/50

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -219.690 ± 425.528 $\chi^2/\text{NDF}: 16.9/17$

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 $\chi^2/\text{NDF}: 64.6/46$

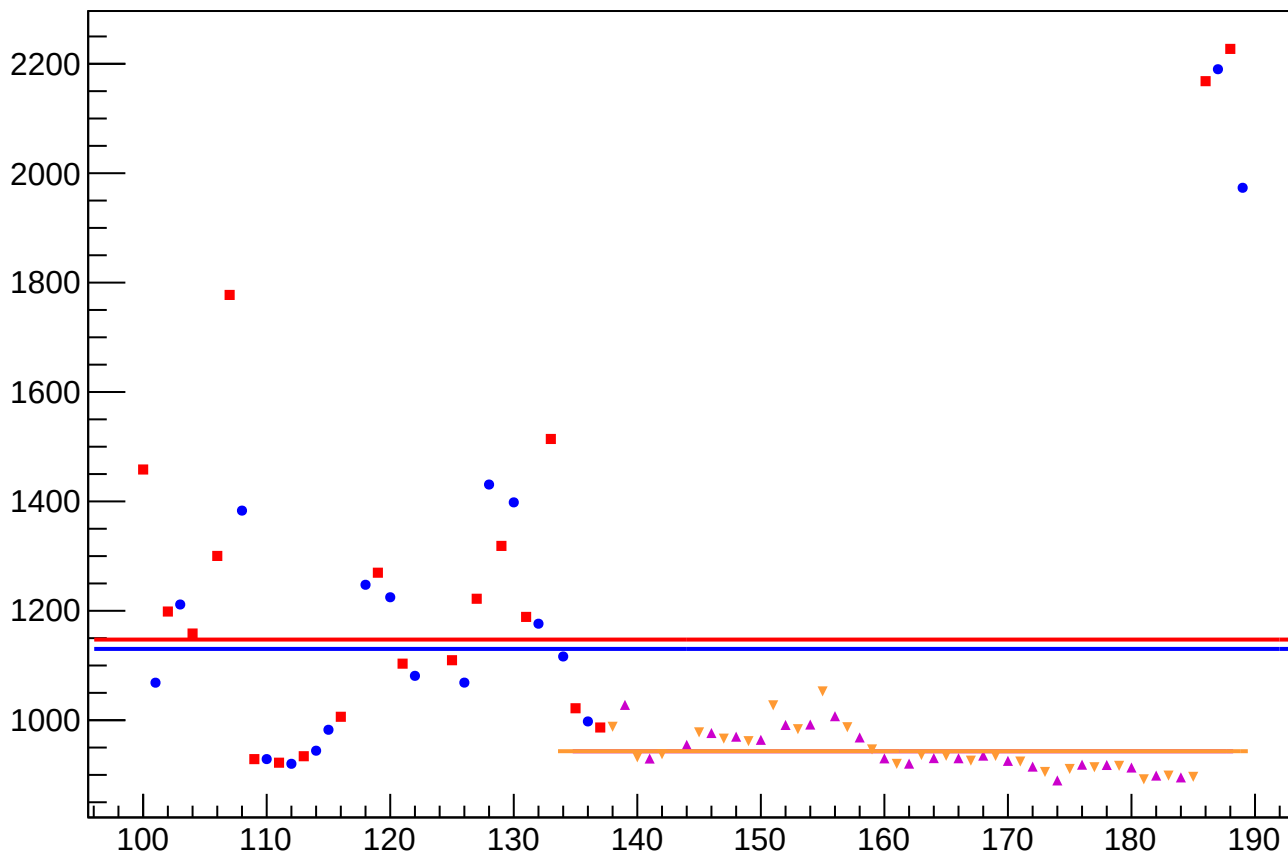
Right: -313.116 ± 298.959 $\chi^2/\text{NDF}: 26.0/37$

In: -213.739 ± 198.699 $\chi^2/\text{NDF}: 40.6/40$

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

All: -36.360 ± 140.216 $\chi^2/\text{NDF}: 91.7/84$

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1130.315 $\pm$ 0.301 χ^2 /NDF: 503713.0/17

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

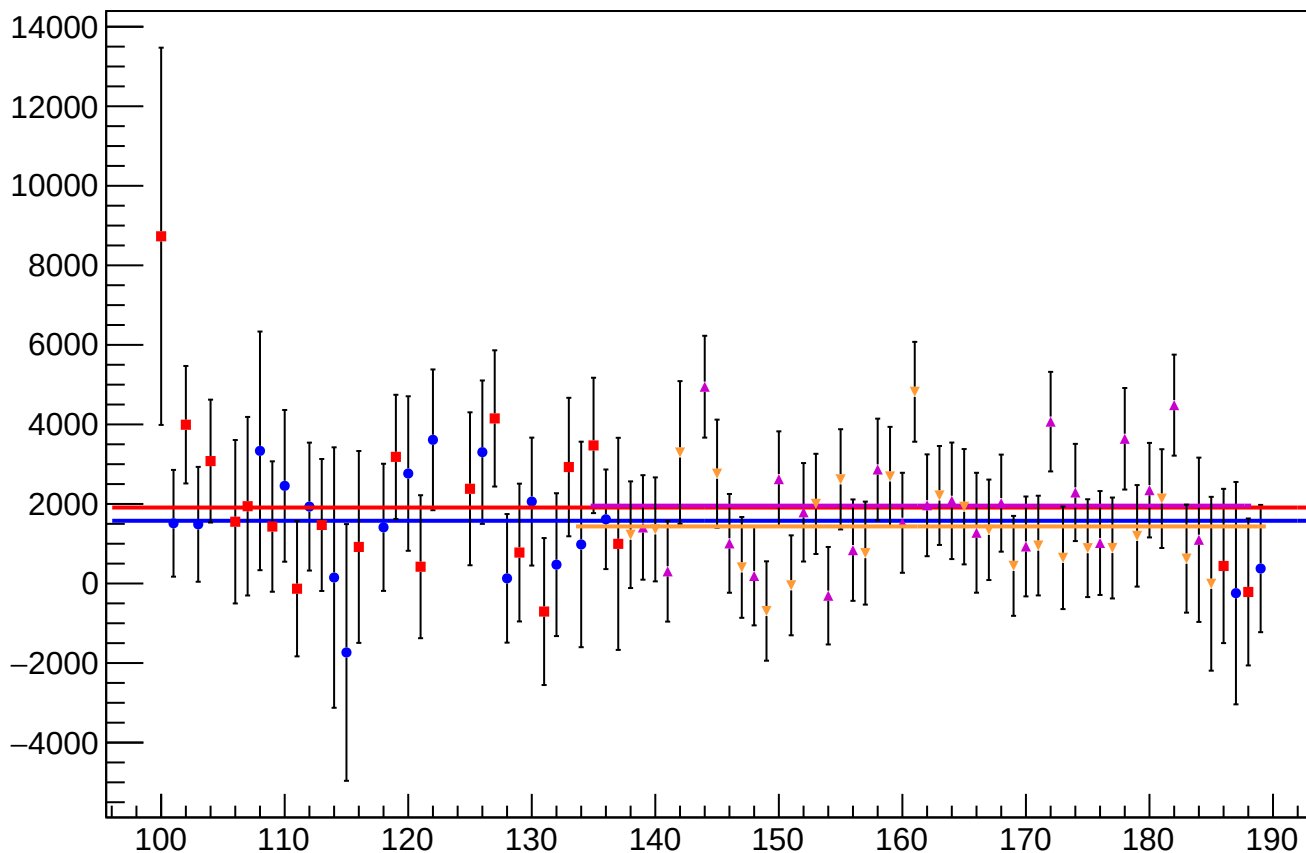
Right: 1138.975 $\pm$ 0.211 χ^2 /NDF: 1279782.8/37

In: 983.949 $\pm$ 0.141 χ^2 /NDF: 856262.5/40

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

All: 986.291 $\pm$ 0.099 χ^2 /NDF: 2058927.2/84

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1577.150 $\pm$ 420.145 χ^2/NDF : 6.8/17

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

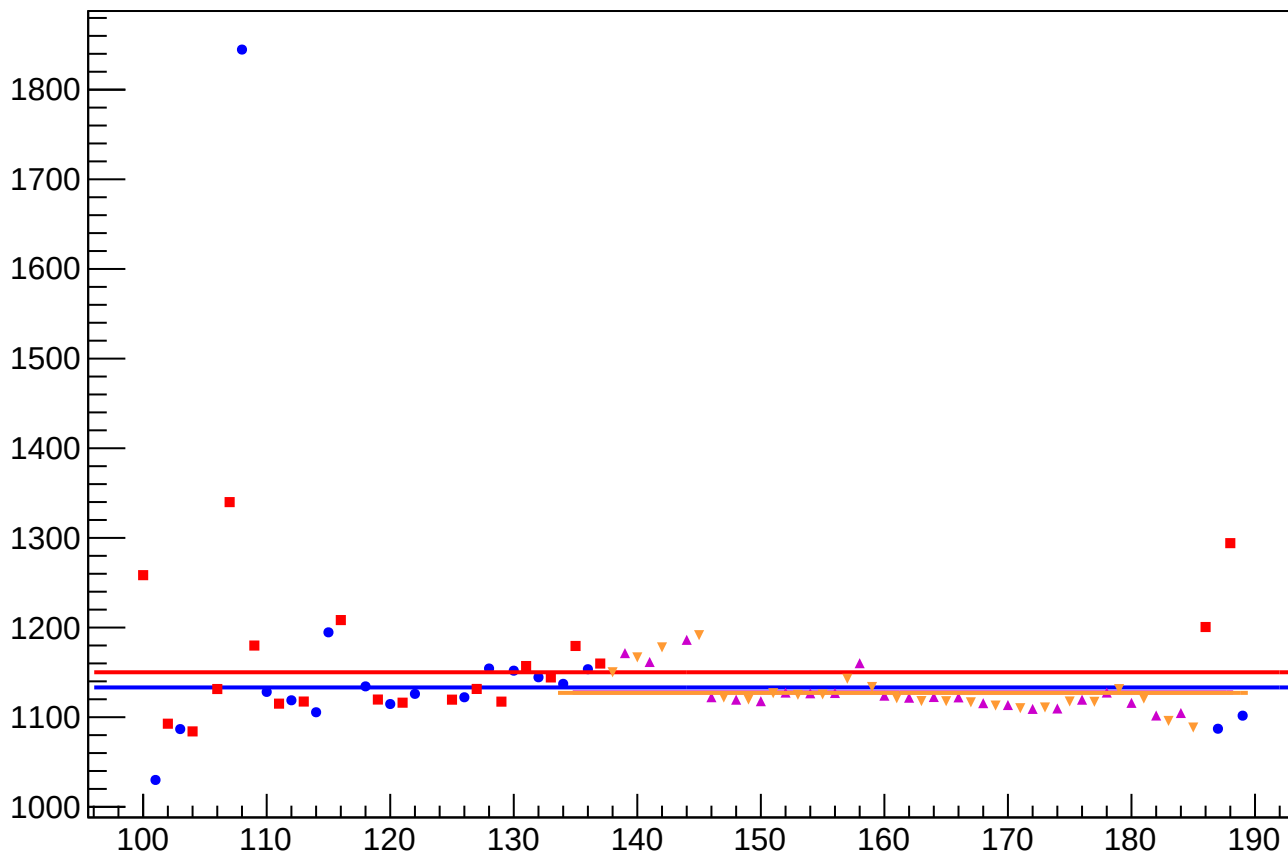
Right: 1747.612 $\pm$ 293.525 χ^2/NDF : 22.3/37

In: 1847.267 $\pm$ 226.238 χ^2/NDF : 32.7/40

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

All: 1710.895 $\pm$ 159.270 χ^2/NDF : 69.4/84

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1133.203+/-0.297 χ^2/NDF : 130244.3/17

Left Out: 1127.125+/-0.189 χ^2/NDF : 12305.7/23

Right Out: 1150.124+/-0.290 χ^2/NDF : 42729.8/19

Left In: 1127.655+/-0.190 χ^2/NDF : 12177.6/22

Left: 1127.390+/-0.134 χ^2/NDF : 24487.2/46

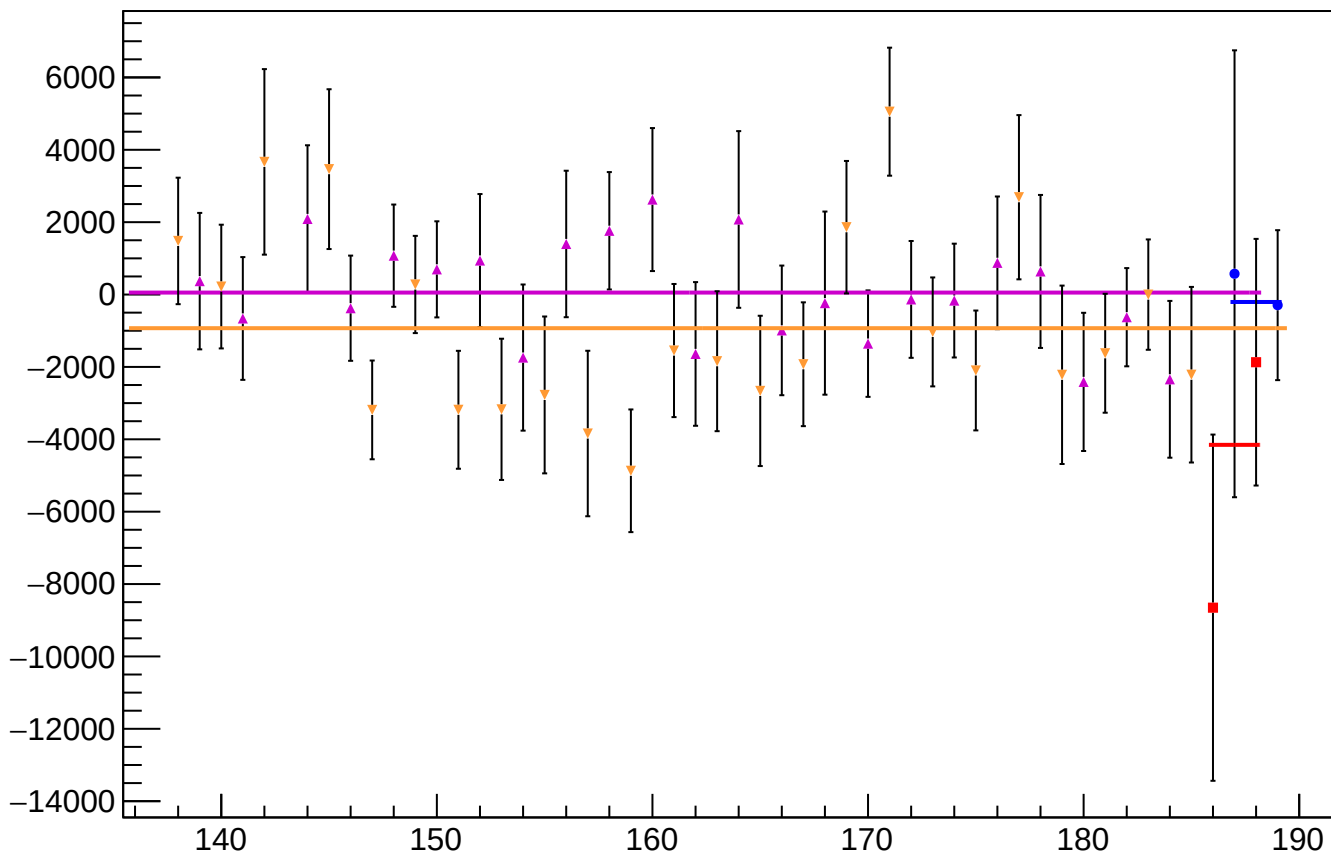
Right: 1141.865+/-0.208 χ^2/NDF : 174634.9/37

In: 1129.264+/-0.160 χ^2/NDF : 142669.5/40

Out: 1133.998+/-0.159 χ^2/NDF : 59442.9/43

All: 1131.652+/-0.113 χ^2/NDF : 202554.1/84

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: -205.425+/-1964.245 χ^2/NDF : 0.0/1

Left Out: -929.515+/-367.619 χ^2/NDF : 43.4/23

Right Out: -4153.311+/-2775.563 χ^2/NDF : 1.3/1

Left In: 54.483+/-364.557 χ^2/NDF : 12.5/22

Left: -433.400+/-258.857 χ^2/NDF : 59.4/46

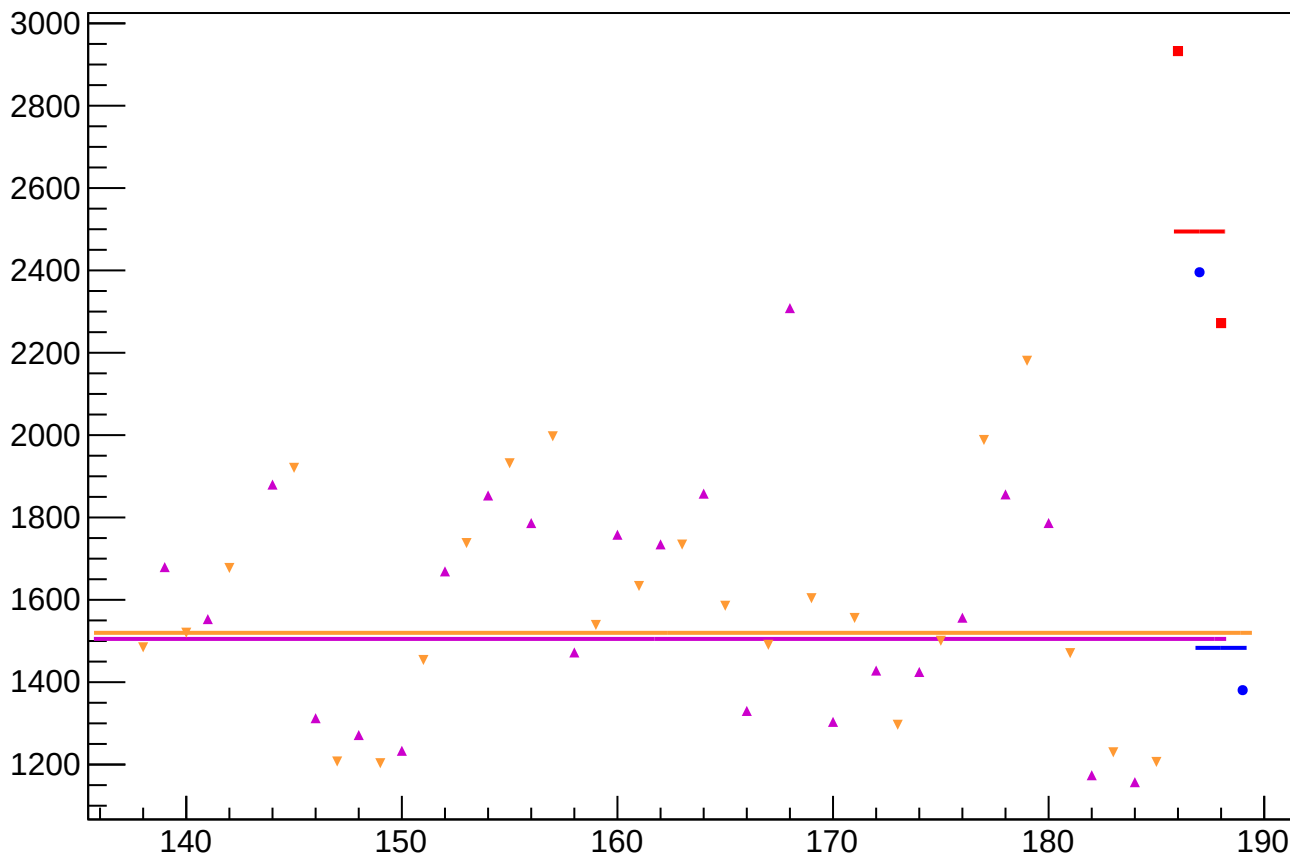
Right: -1522.840+/-1603.357 χ^2/NDF : 2.7/3

In: 45.829+/-358.436 χ^2/NDF : 12.5/24

Out: -985.094+/-364.437 χ^2/NDF : 46.0/25

All: -461.075+/-255.548 χ^2/NDF : 62.6/50

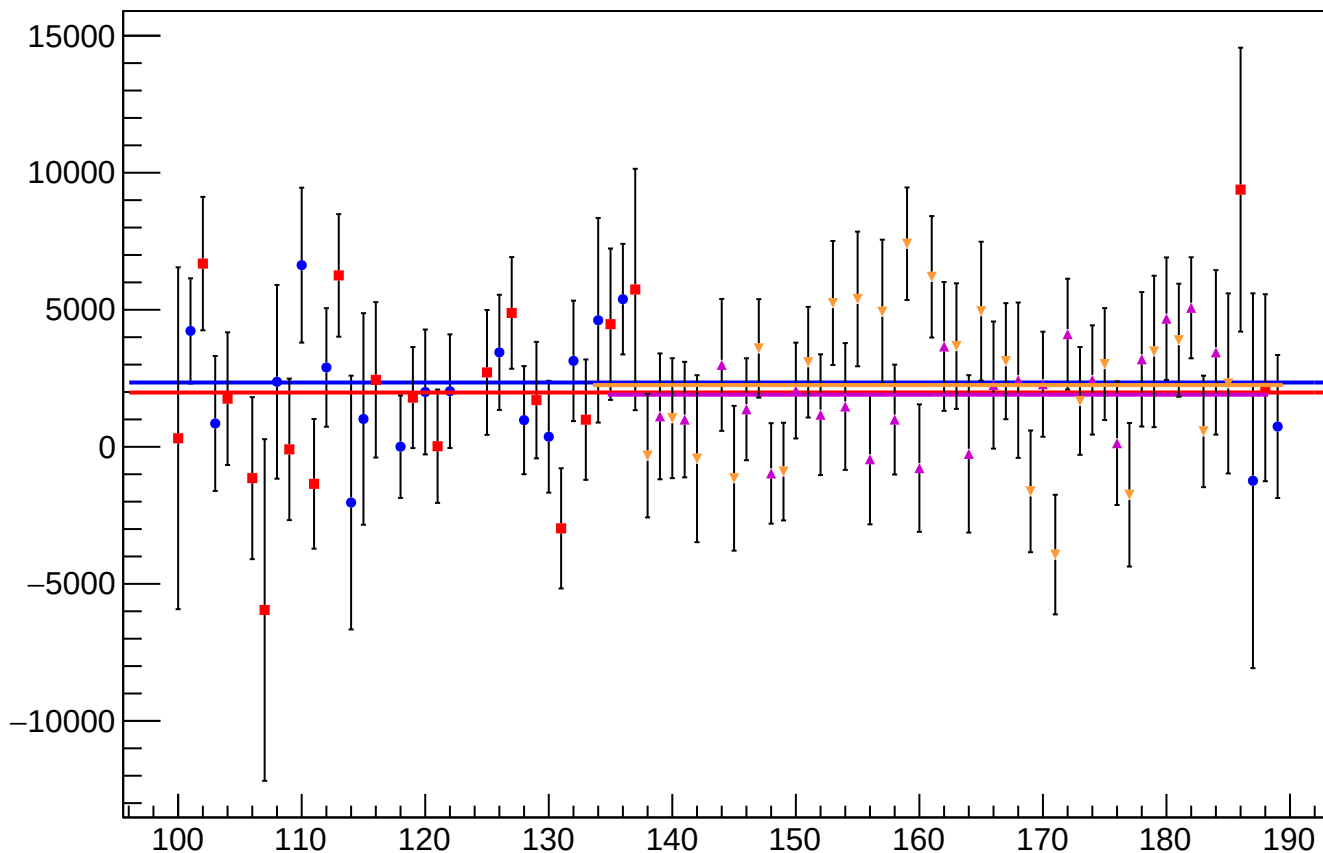
asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 1483.348+/-1.389 χ^2/NDF : 48559.8/1
 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: 1820.762+/-1.134 χ^2/NDF : 250711.9/3
 In: 1504.352+/-0.253 χ^2/NDF : 1063622.1/24
 Out: 1536.657+/-0.258 χ^2/NDF : 1166336.4/25
 All: 1520.236+/-0.181 χ^2/NDF : 2237946.4/50

asym_usl_mean vs Slug, Sign Corrected



Right In: 2346.971 $\pm$ 568.213 χ^2 /NDF: 11.4/17

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

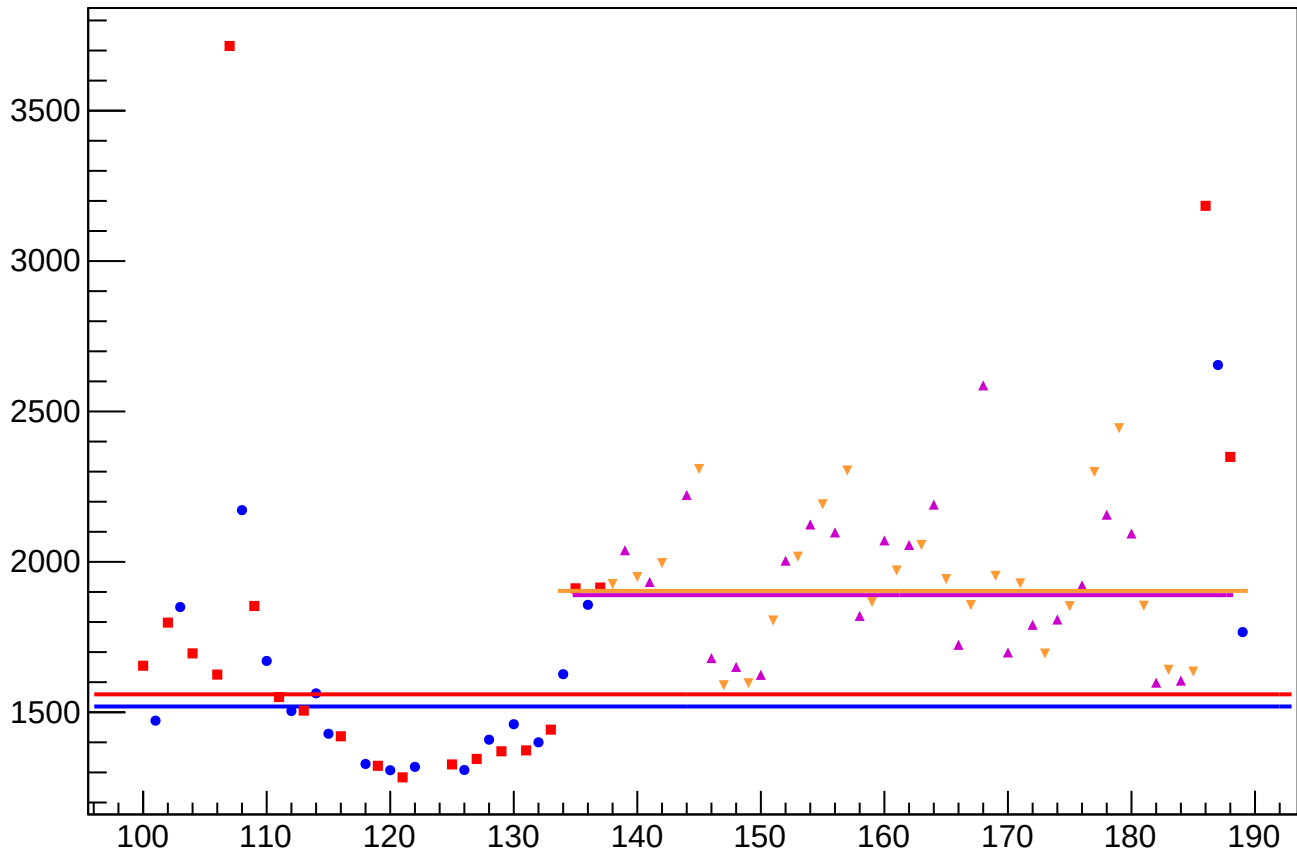
Right: 2165.326 $\pm$ 402.889 χ^2 /NDF: 36.5/37

In: 2075.201 $\pm$ 354.630 χ^2 /NDF:25.7/40

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

All: 2111.354 $\pm$ 251.451 χ^2 /NDF: 89.3/84

asym_usl_rms vs Slug, Sign Corrected



Right In: 1519.178 $\pm$ 0.402 χ^2/NDF : 334418.8/17

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: 1889.326 $\pm$ 0.321 χ^2/NDF : 508648.5/22

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

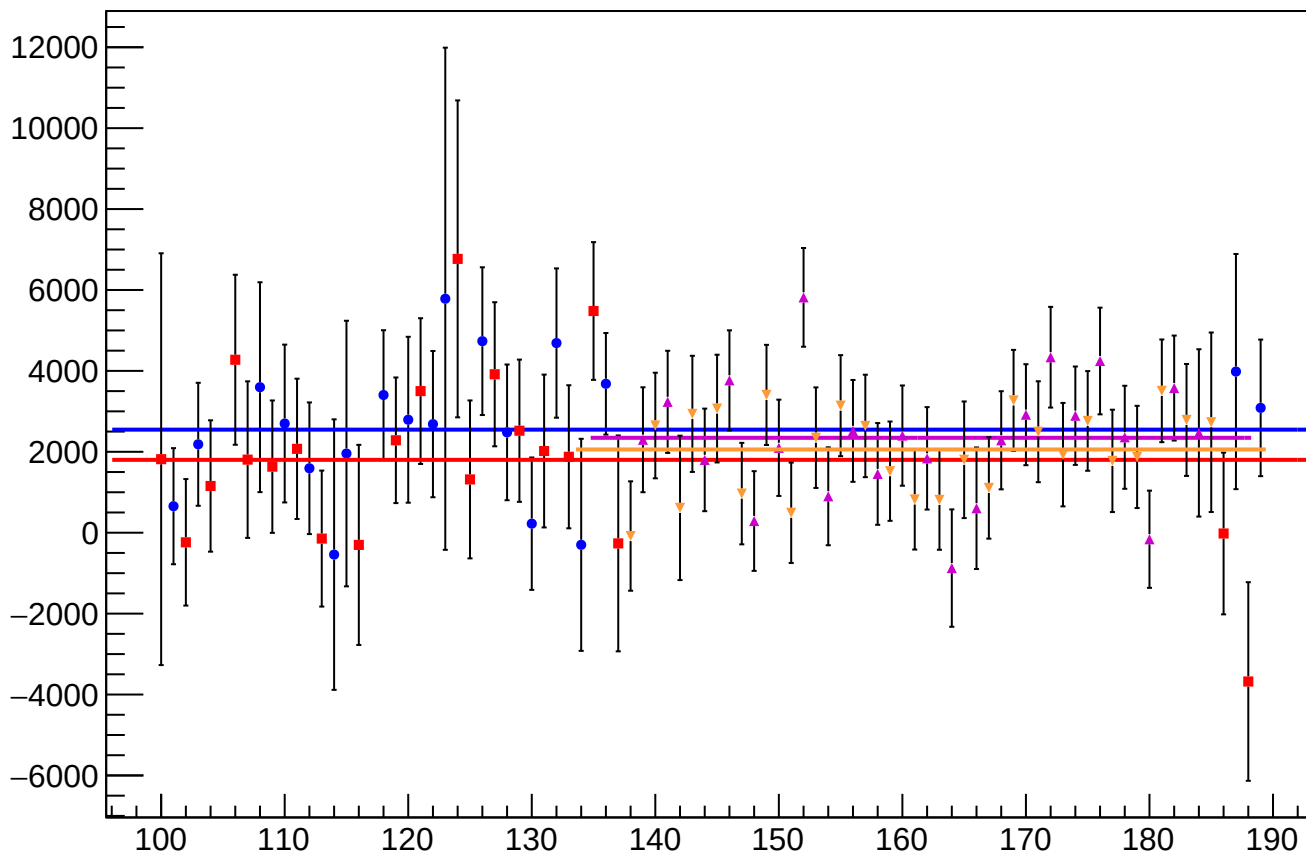
Right: 1539.279 $\pm$ 0.285 χ^2/NDF : 1134873.3/37

In: 1745.146 $\pm$ 0.251 χ^2/NDF : 1361188.8/40

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

All: 1757.263 $\pm$ 0.178 χ^2/NDF : 3065436.1/84

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2547.750+/-429.486 χ^2/NDF : 10.9/18

Left Out: 2057.600+/-261.809 χ^2/NDF :14.8/24

Right Out: 1801.203+/-417.546 χ^2/NDF : 20.7/20

Left In: 2345.900+/-266.966 χ^2/NDF :31.6/22

Left: 2198.938+/-186.924 χ^2/NDF : 47.0/47

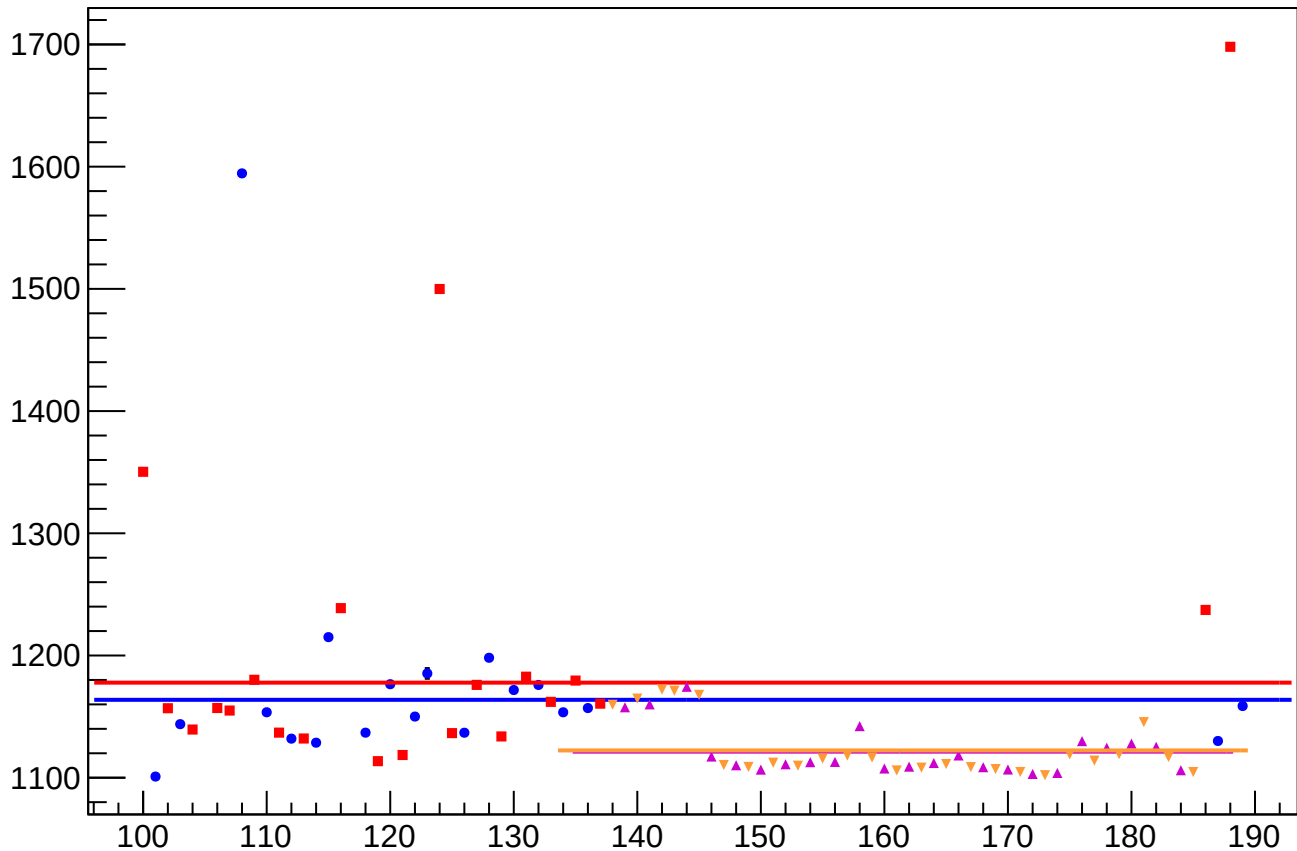
Right: 2163.955+/-299.382 χ^2/NDF : 33.1/39

In: 2402.155+/-226.733 χ^2/NDF :42.7/41

Out: 1985.244+/-221.812 χ^2/NDF :35.8/45

All: 2189.126+/-158.556 χ^2/NDF : 80.2/87

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1163.740 $\pm$ 0.304 χ^2 /NDF: 63436.4/18

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

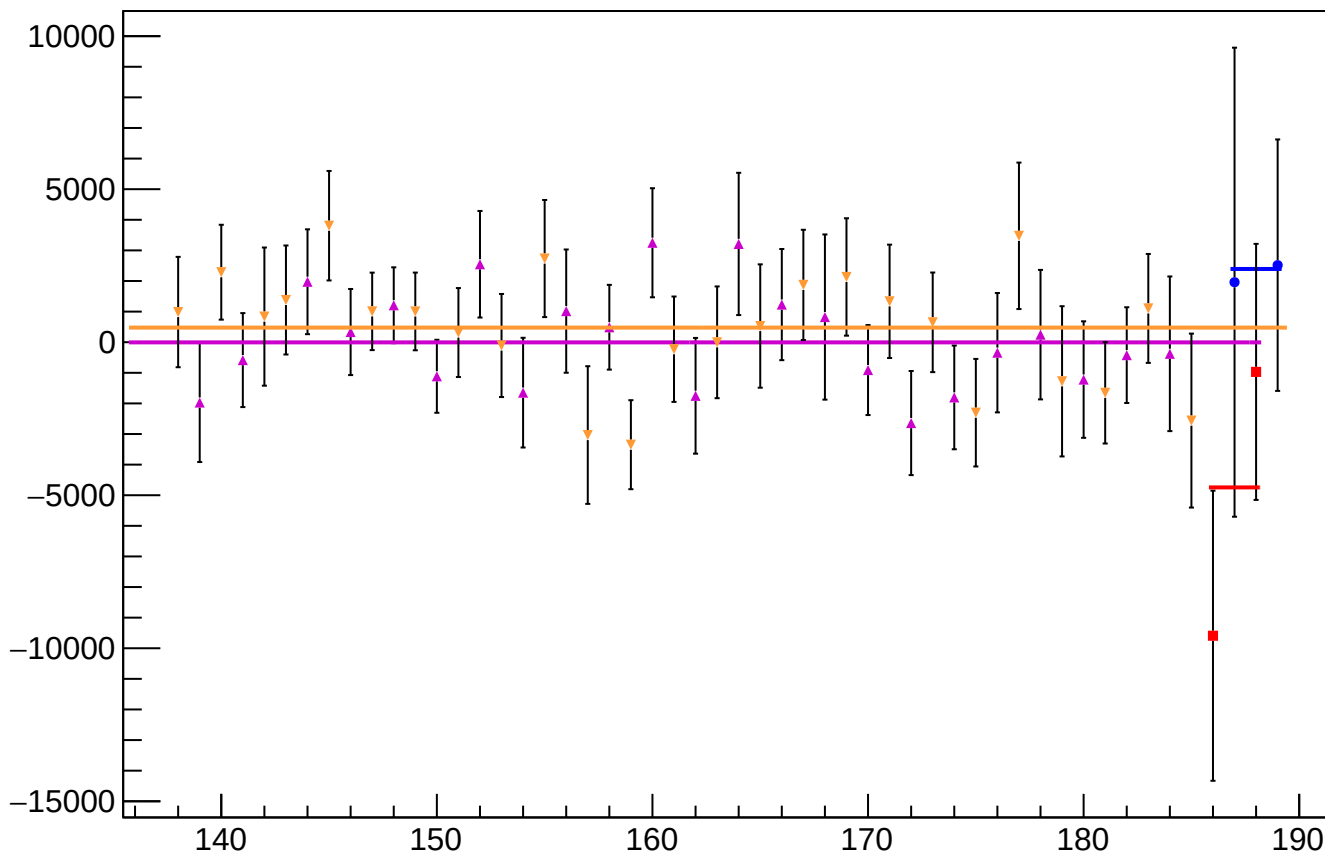
Right: 1170.964 $\pm$ 0.212 χ^2 /NDF: 185751.4/39

In: 1133.148 $\pm$ 0.160 χ^2 /NDF:87978.2/41

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

All: 1135.613 $\pm$ 0.112 χ^2 /NDF: 248820.1/87

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: 2393.173+/-3620.672 χ^2/NDF : 0.0/1

Left Out: 476.919+/-349.994 χ^2/NDF :25.7/24

Right Out: -4744.513+/-3136.481 χ^2/NDF : 1.9/1

Left In: -5.369+/-353.503 χ^2/NDF :18.9/22

Left: 238.180+/-248.715 χ^2/NDF : 45.5/47

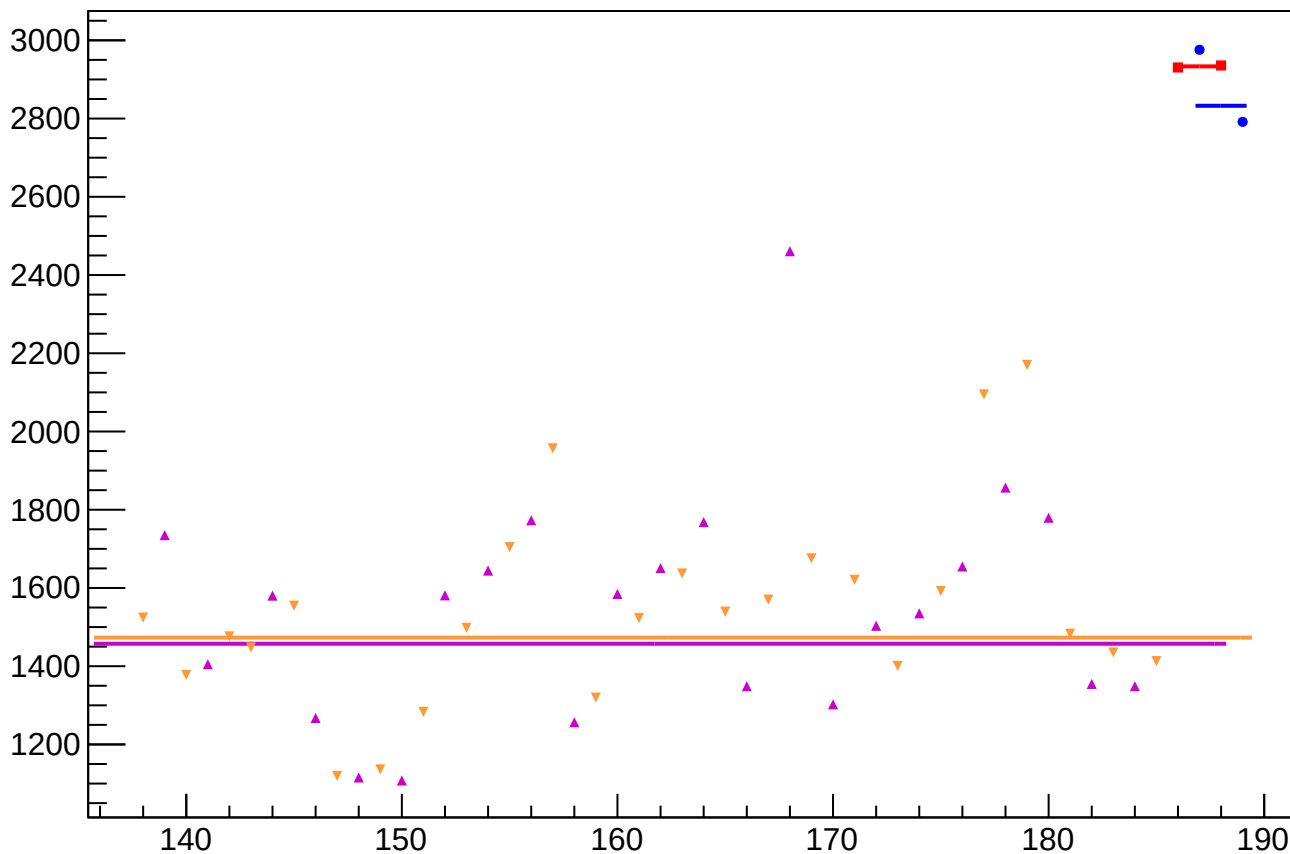
Right: -1684.515+/-2370.669 χ^2/NDF : 4.1/3

In: 17.279+/-351.831 χ^2/NDF :19.3/24

Out: 412.701+/-347.836 χ^2/NDF :30.3/26

All: 217.248+/-247.357 χ^2/NDF : 50.3/51

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 2832.684+/-2.560 χ^2/NDF : 898.1/1

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

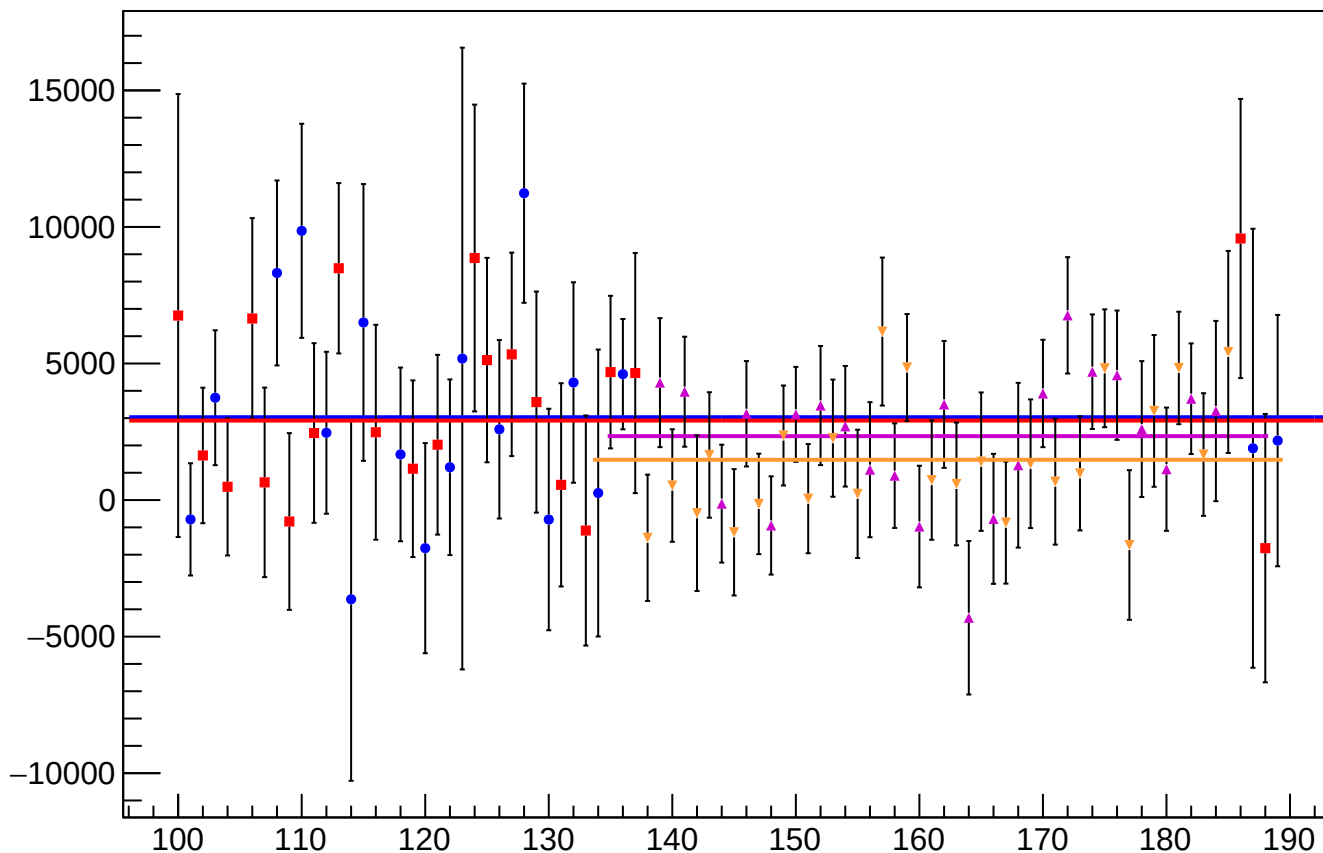
Right: 2890.210+/-1.676 χ^2/NDF : 1783.1/3

In: 1470.436+/-0.249 χ^2/NDF : 1363276.0/24

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

All: 1480.854+/-0.175 χ^2/NDF : 2656547.7/51

asym_usr_mean vs Slug, Sign Corrected



Right In: 3032.569 $\pm$ 782.284 χ^2 /NDF: 18.6/18

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

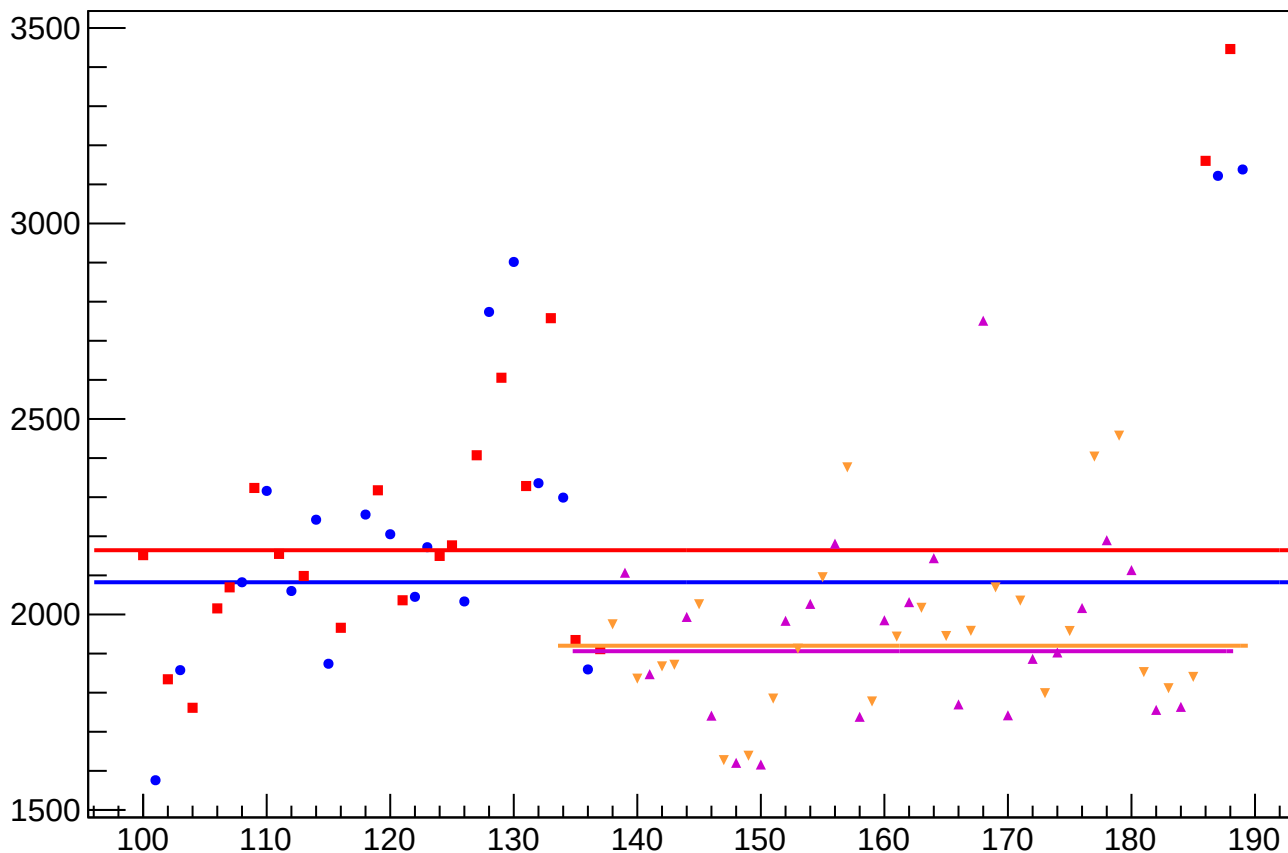
Right: 2971.582 $\pm$ 550.932 χ^2 /NDF: 32.8/39

In: 2516.405 $\pm$ 394.889 χ^2 /NDF:44.4/41

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

All: 2173.419 $\pm$ 277.540 χ^2 /NDF: 83.5/87

asym_usr_rms vs Slug, Sign Corrected



Right In: 2082.406+/-0.553 χ^2/NDF : 475609.4/18

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

Right Out: 2164.344+/-0.549 χ^2/NDF : 418069.8/20

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

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

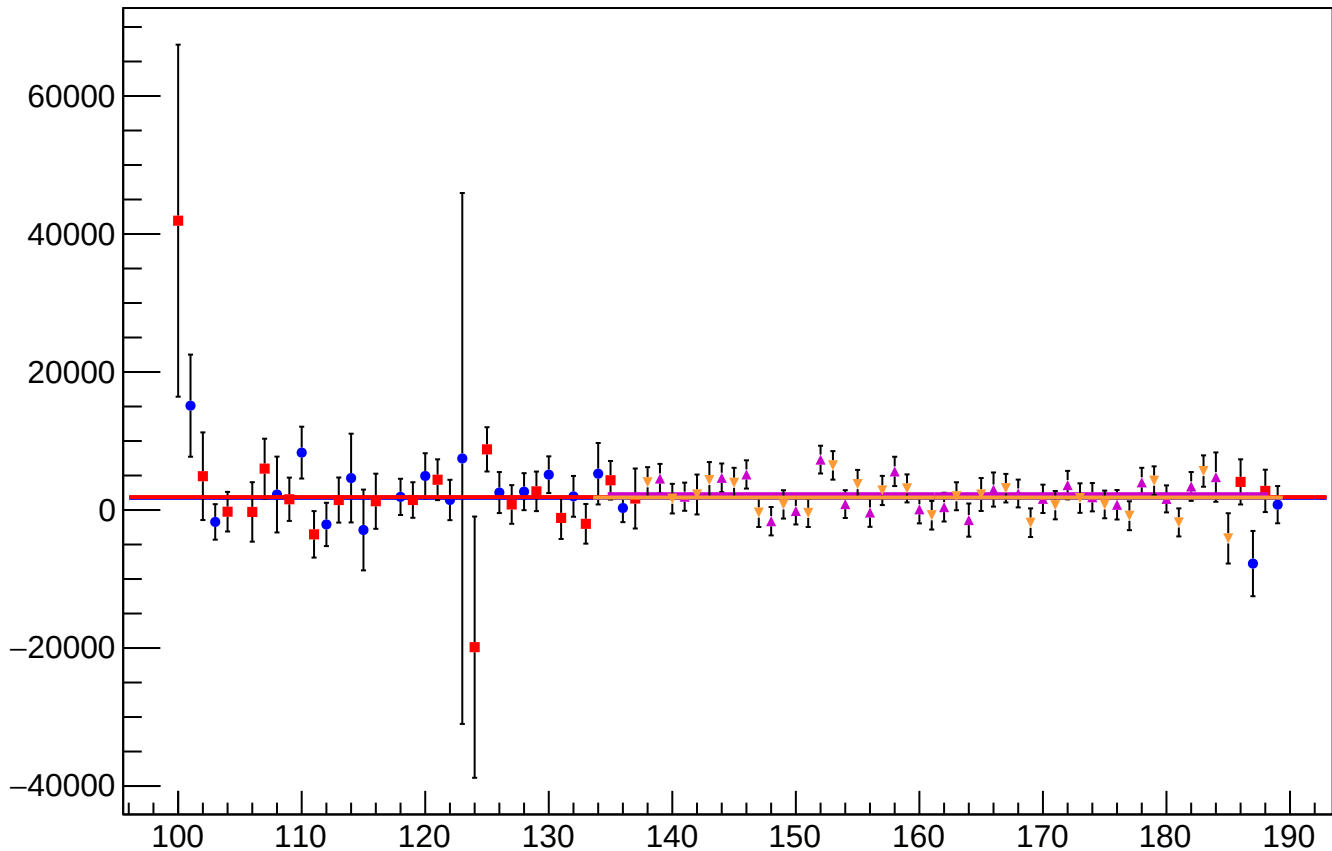
Right: 2123.704+/-0.390 χ^2/NDF : 904738.4/39

In: 1950.982+/-0.279 χ^2/NDF : 1002413.8/41

Out: 1981.824+/-0.276 χ^2/NDF : 932051.9/45

All: 1966.589+/-0.196 χ^2/NDF : 1940639.3/87

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1759.767 $\pm$ 753.529 χ^2 /NDF: 18.5/18

Left Out: 1809.174 $\pm$ 432.738 χ^2 /NDF: 29.4/24

Right Out: 1875.965 $\pm$ 740.525 χ^2 /NDF: 18.1/20

Left In: 2289.975 $\pm$ 440.620 χ^2 /NDF: 27.5/22

Left: 2045.236 $\pm$ 308.741 χ^2 /NDF: 57.4/47

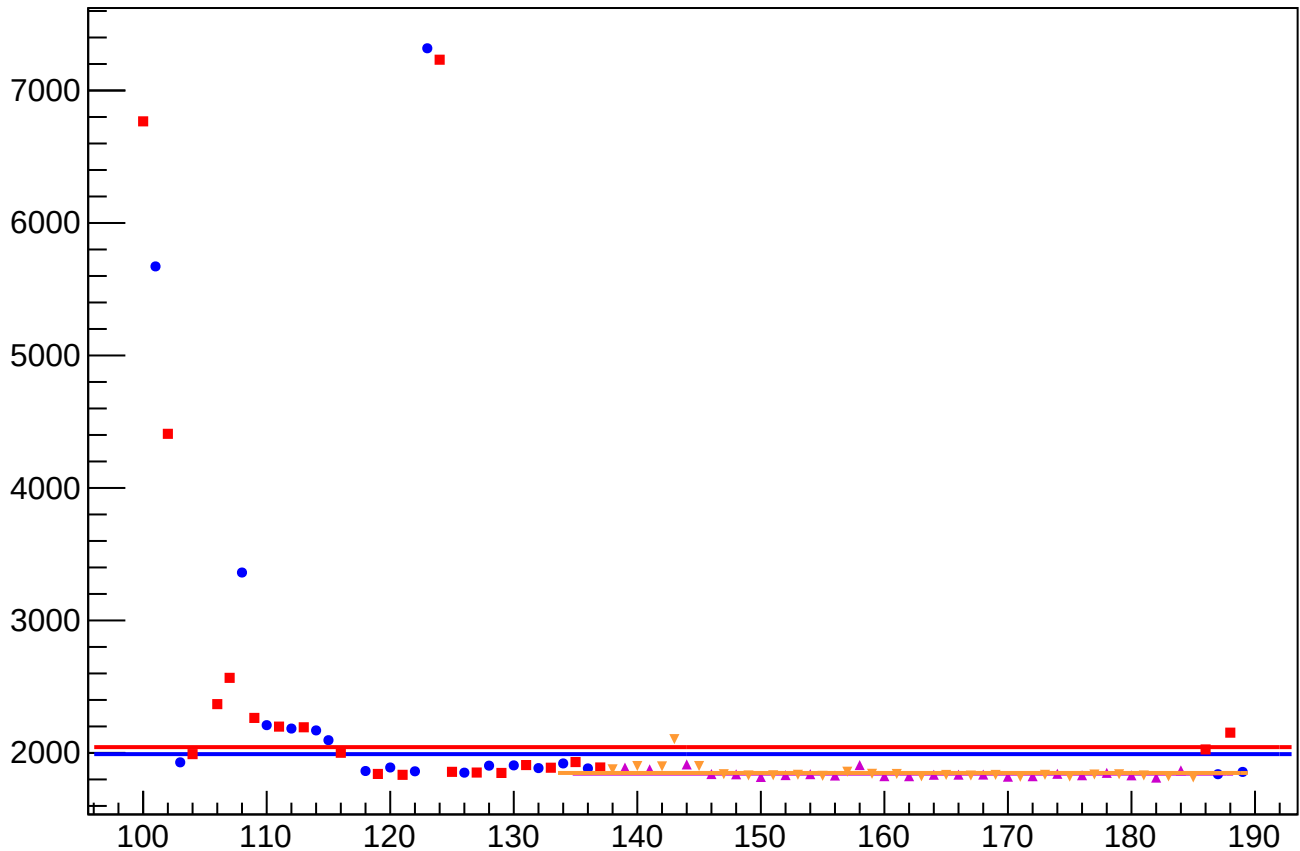
Right: 1818.877 $\pm$ 528.168 χ^2 /NDF: 36.6/39

In: 2154.877 $\pm$ 380.365 χ^2 /NDF: 46.4/41

Out: 1826.176 $\pm$ 373.622 χ^2 /NDF: 47.4/45

All: 1987.587 $\pm$ 266.543 χ^2 /NDF: 94.2/87

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1991.062 $\pm$ 0.533 χ^2 /NDF: 710177.3/18

Left Out: 1848.931 $\pm$ 0.306 χ^2 /NDF: 25543.1/24

Right Out: 2043.906 $\pm$ 0.524 χ^2 /NDF: 621673.3/20

Left In: 1843.813 $\pm$ 0.312 χ^2 /NDF: 7555.7/22

Left: 1846.418 $\pm$ 0.218 χ^2 /NDF: 33236.1/47

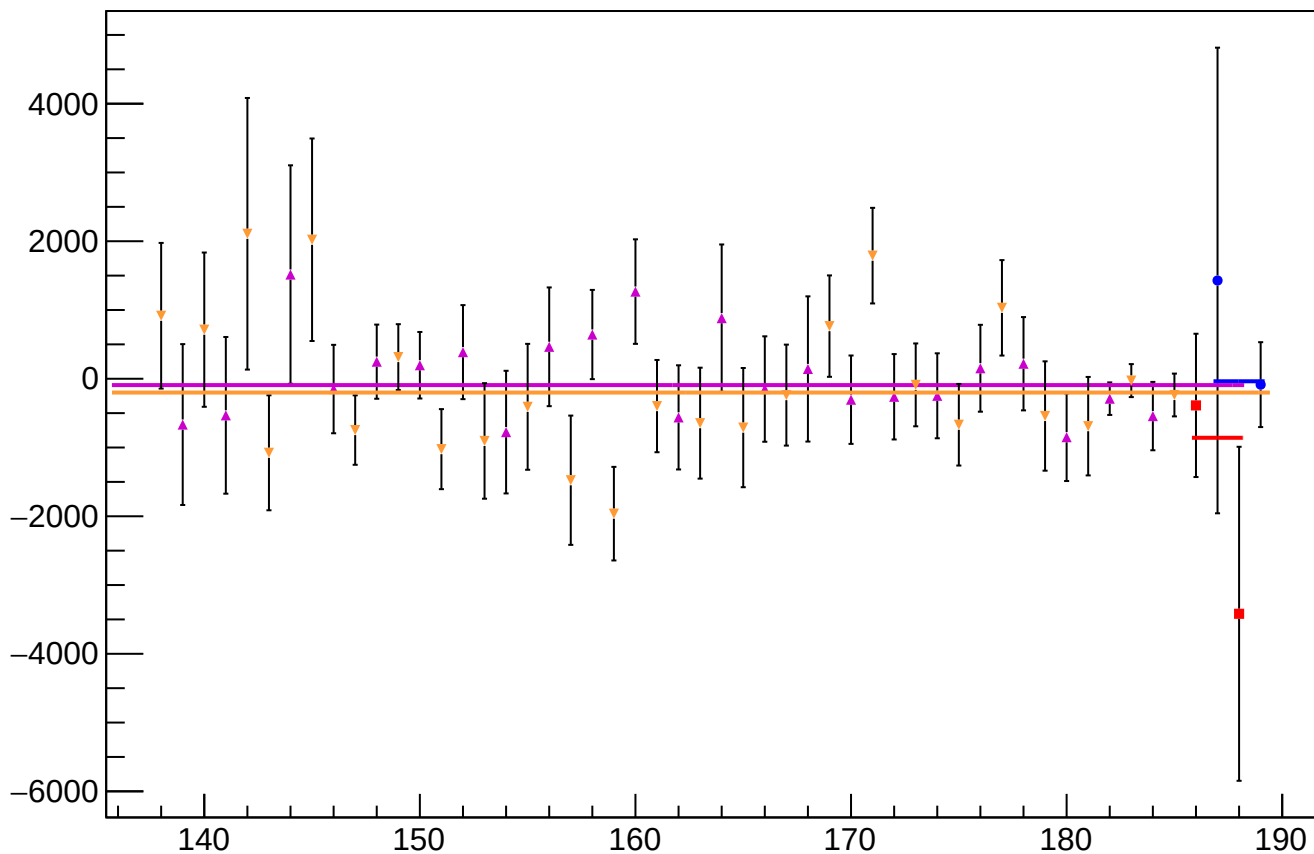
Right: 2017.944 $\pm$ 0.373 χ^2 /NDF: 1336854.2/39

In: 1881.332 $\pm$ 0.269 χ^2 /NDF: 774645.0/41

Out: 1898.563 $\pm$ 0.264 χ^2 /NDF: 750569.5/45

All: 1890.102 $\pm$ 0.188 χ^2 /NDF: 1527303.4/87

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -36.747 ± 607.292 $\chi^2/\text{NDF}: 0.2/1$

Left Out: -200.614 ± 118.900 $\chi^2/\text{NDF}: 35.8/24$

Right Out: -858.471 ± 957.479 $\chi^2/\text{NDF}: 1.3/1$

Left In: -92.163 ± 126.200 $\chi^2/\text{NDF}: 13.0/22$

Left: -149.616 ± 86.541 $\chi^2/\text{NDF}: 49.1/47$

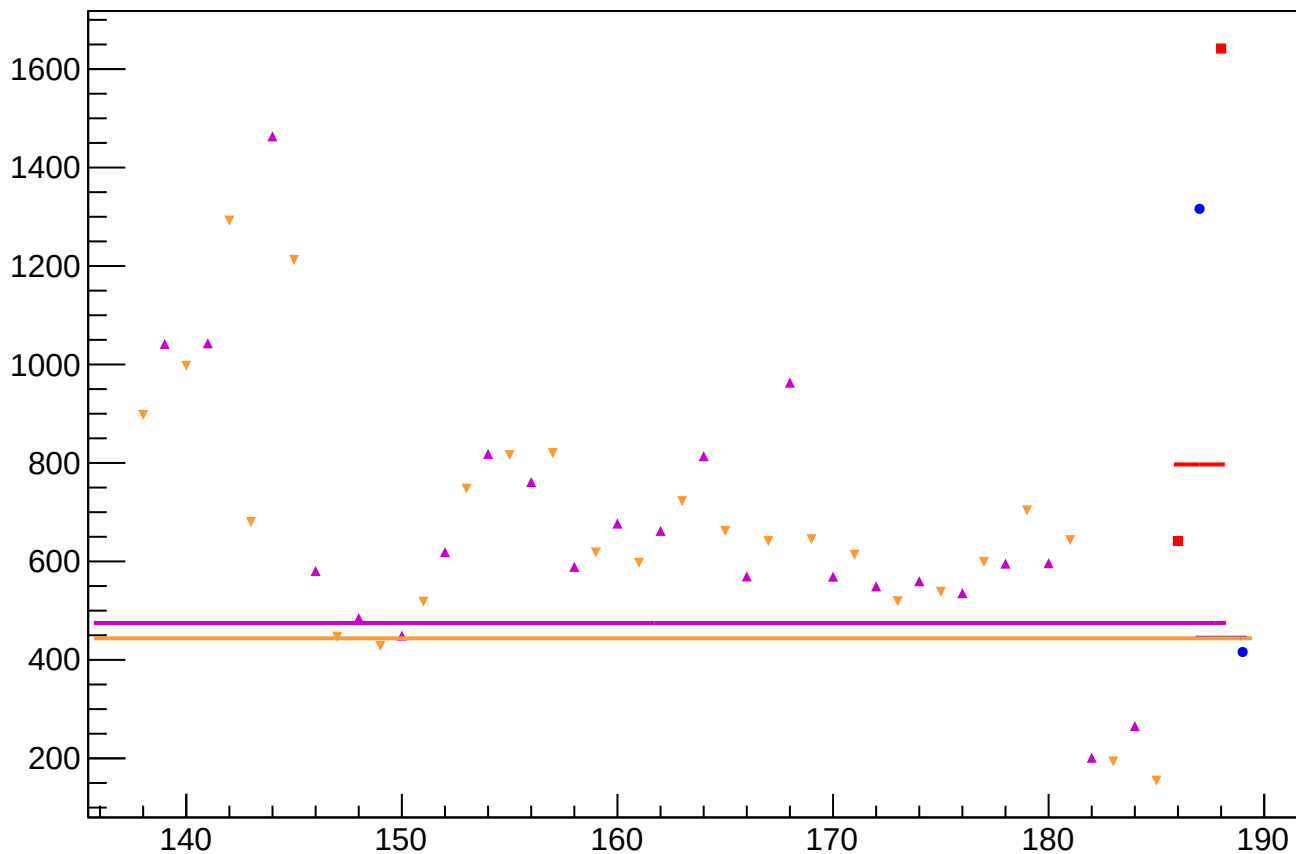
Right: -272.482 ± 512.837 $\chi^2/\text{NDF}: 2.0/3$

In: -89.869 ± 123.560 $\chi^2/\text{NDF}: 13.2/24$

Out: -210.605 ± 117.993 $\chi^2/\text{NDF}: 37.6/26$

All: -153.018 ± 85.334 $\chi^2/\text{NDF}: 51.2/51$

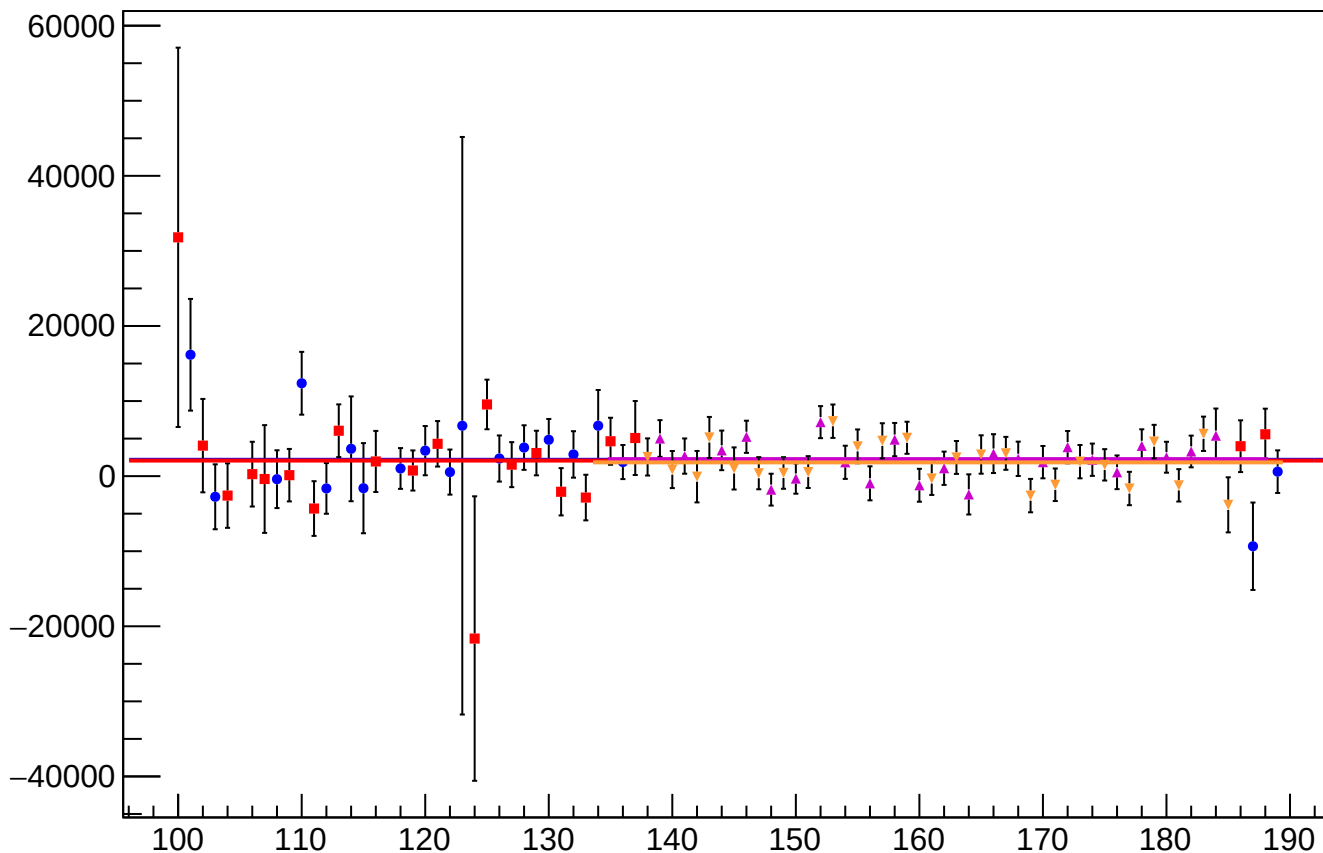
asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 444.918+/-0.429 χ^2/NDF : 136827.9/1
 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: 545.895+/-0.363 χ^2/NDF : 616118.0/3
 In: 473.762+/-0.087 χ^2/NDF : 6827736.1/24
 Out: 449.192+/-0.083 χ^2/NDF : 8896075.1/26
 All: 460.911+/-0.060 χ^2/NDF : 15765173.8/51

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2174.271+/-811.609 χ^2/NDF : 20.0/18

Left Out: 1834.720+/-463.777 χ^2/NDF : 32.8/24

Right Out: 2074.158+/-804.781 χ^2/NDF : 22.0/20

Left In: 2260.178+/-472.324 χ^2/NDF : 26.3/22

Left: 2043.565+/-330.920 χ^2/NDF : 59.5/47

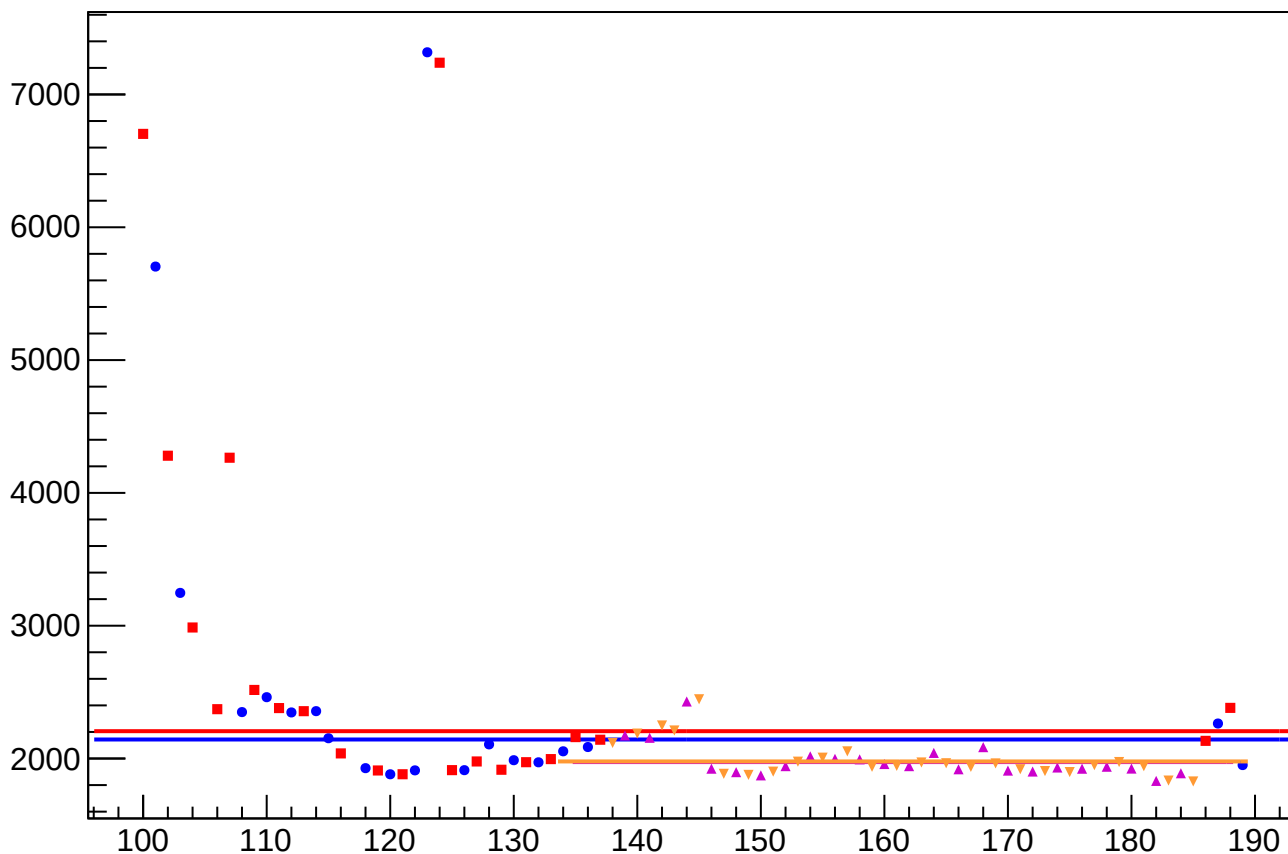
Right: 2123.791+/-571.465 χ^2/NDF : 42.0/39

In: 2238.444+/-408.227 χ^2/NDF : 46.3/41

Out: 1894.413+/-401.829 χ^2/NDF : 54.9/45

All: 2063.711+/-286.371 χ^2/NDF : 101.6/87

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2143.232 $\pm$ 0.574 χ^2/NDF : 724527.7/18

Left Out: 1978.045 $\pm$ 0.328 χ^2/NDF :137699.3/24

Right Out: 2205.866 $\pm$ 0.569 χ^2/NDF : 809328.1/20

Left In: 1973.216 $\pm$ 0.334 χ^2/NDF :120479.3/22

Left: 1975.675 $\pm$ 0.234 χ^2/NDF : 258285.0/47

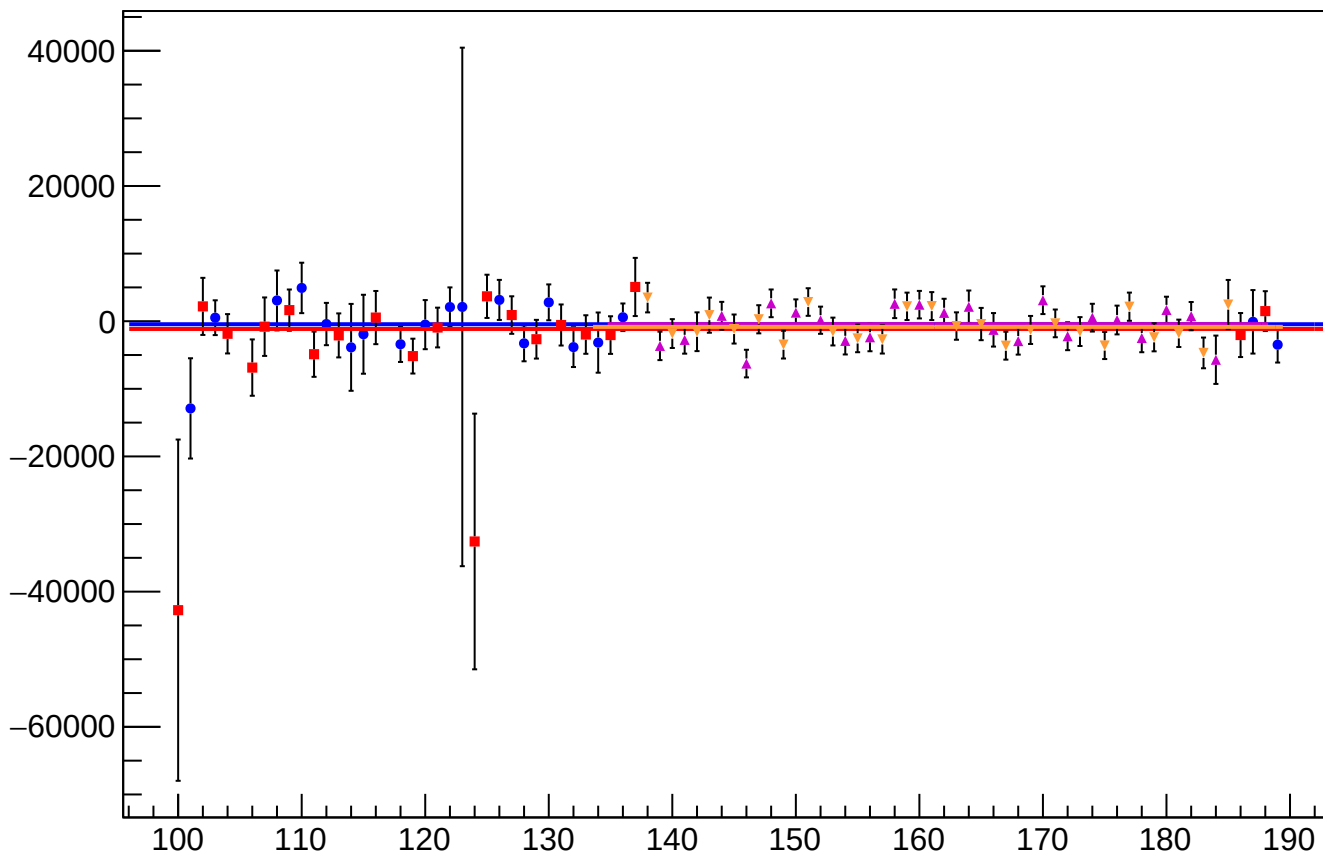
Right: 2174.814 $\pm$ 0.404 χ^2/NDF : 1539861.7/39

In: 2016.229 $\pm$ 0.289 χ^2/NDF :910566.9/41

Out: 2034.841 $\pm$ 0.284 χ^2/NDF :1067344.9/45

All: 2025.682 $\pm$ 0.202 χ^2/NDF : 1980023.3/87

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -447.558 ± 749.170 χ^2/NDF : 15.4/18

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

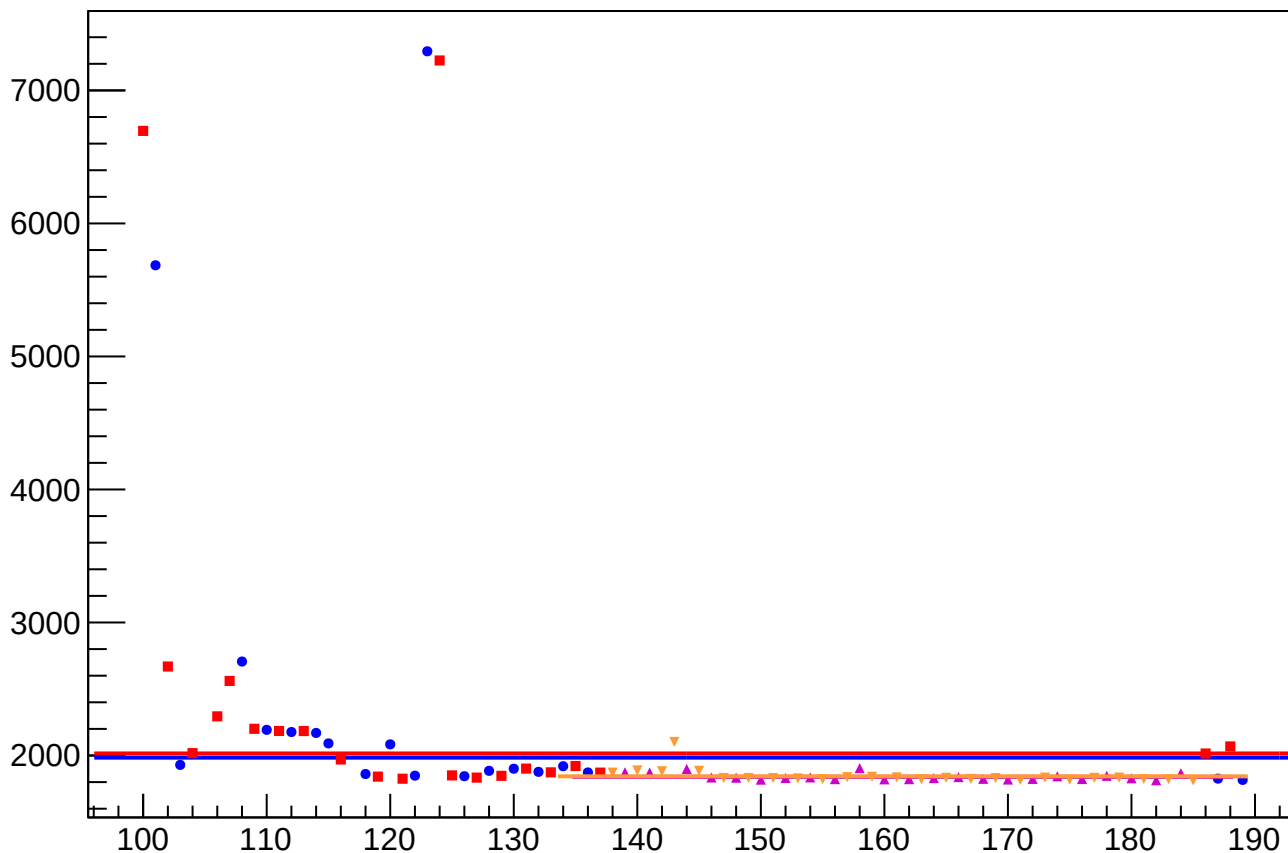
Right: -807.322 ± 522.183 χ^2/NDF : 35.0/39

In: -433.630 ± 379.113 χ^2/NDF : 49.2/41

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

All: -681.468 ± 265.223 χ^2/NDF : 95.7/87

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1983.946 $\pm$ 0.530 χ^2 /NDF: 645671.1/18

Left Out: 1843.383 $\pm$ 0.305 χ^2 /NDF:24499.6/24

Right Out: 2015.399 $\pm$ 0.515 χ^2 /NDF: 378636.6/20

Left In: 1839.374 $\pm$ 0.311 χ^2 /NDF:6441.8/22

Left: 1841.416 $\pm$ 0.218 χ^2 /NDF: 31026.0/47

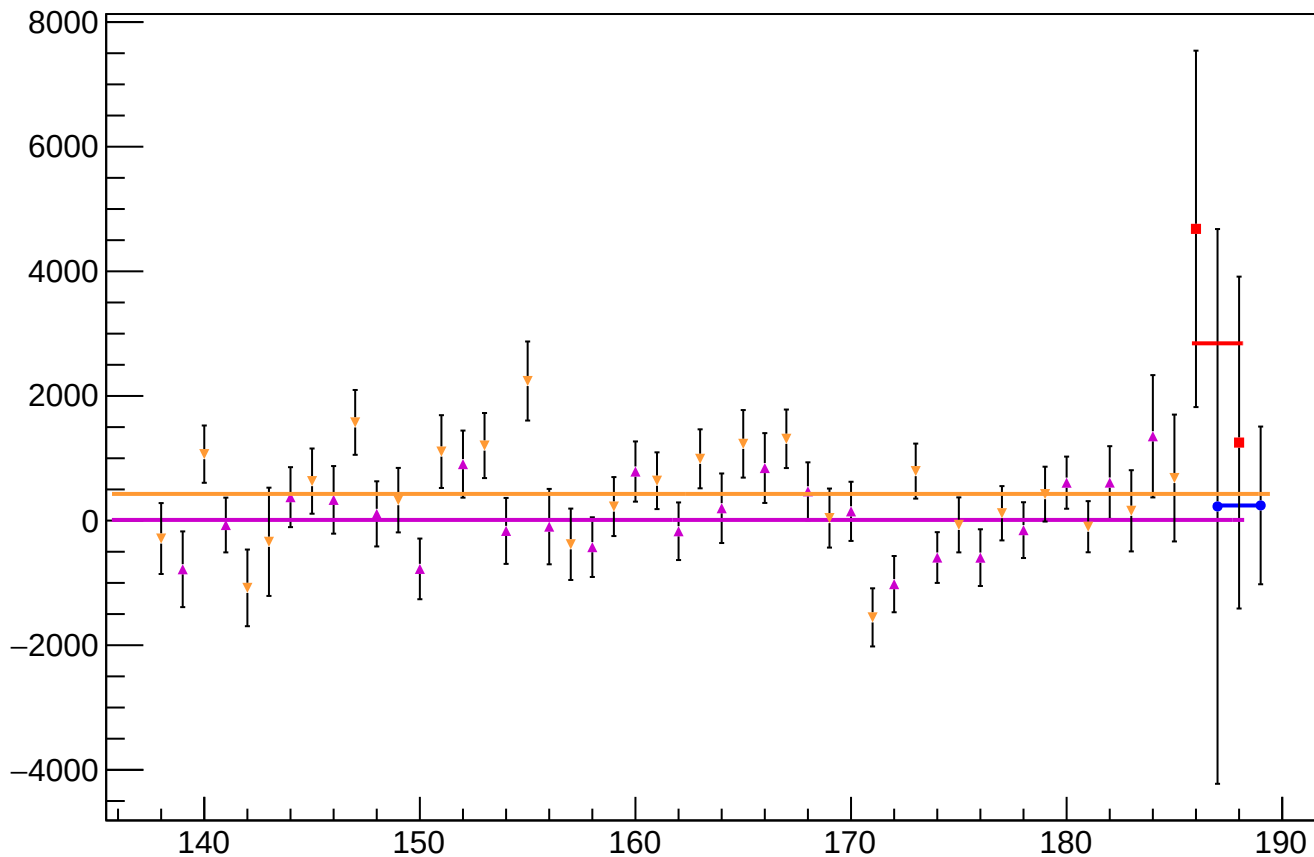
Right: 2000.118 $\pm$ 0.369 χ^2 /NDF: 1026120.3/39

In: 1876.396 $\pm$ 0.268 χ^2 /NDF:707520.0/41

Out: 1888.071 $\pm$ 0.262 χ^2 /NDF:485737.0/45

All: 1882.357 $\pm$ 0.188 χ^2 /NDF: 1194225.4/87

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 242.403 $\pm$ 1217.112 χ^2 /NDF: 0.0/1

Left Out: 428.039 $\pm$ 102.219 χ^2 /NDF:59.7/24

Right Out: 2844.621 $\pm$ 1948.846 χ^2 /NDF: 0.8/1

Left In: 10.733 $\pm$ 104.001 χ^2 /NDF:29.4/22

Left: 222.992 $\pm$ 72.902 χ^2 /NDF: 97.3/47

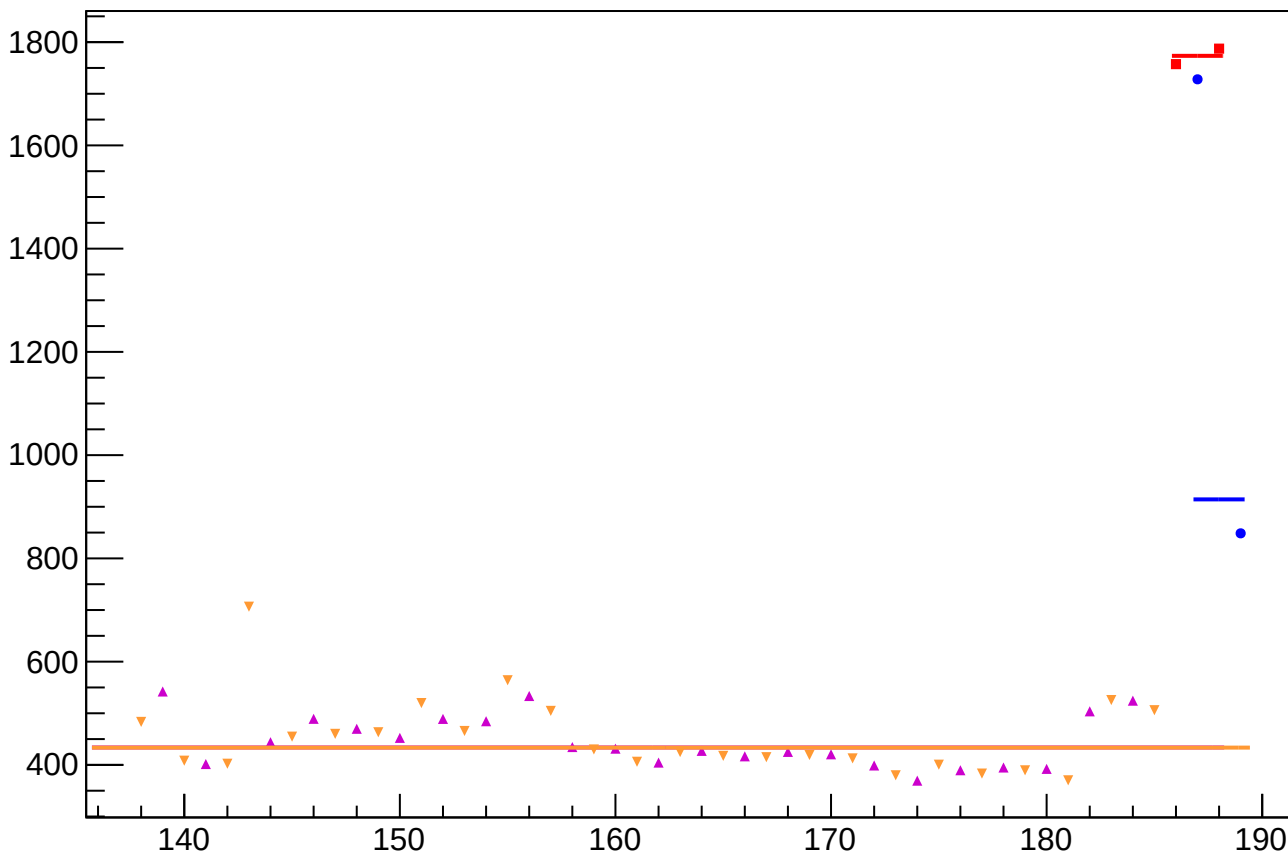
Right: 972.572 $\pm$ 1032.327 χ^2 /NDF: 2.1/3

In: 12.413 $\pm$ 103.624 χ^2 /NDF:29.5/24

Out: 434.669 $\pm$ 102.079 χ^2 /NDF:62.0/26

All: 226.712 $\pm$ 72.721 χ^2 /NDF: 99.9/51

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 914.293+/-0.861 χ^2/NDF : 72235.9/1

Left Out: 433.495+/-0.072 χ^2/NDF : 609803.4/24

Right Out: 1773.461+/-1.378 χ^2/NDF : 117.9/1

Left In: 433.740+/-0.074 χ^2/NDF : 376130.7/22

Left: 433.615+/-0.052 χ^2/NDF : 985939.7/47

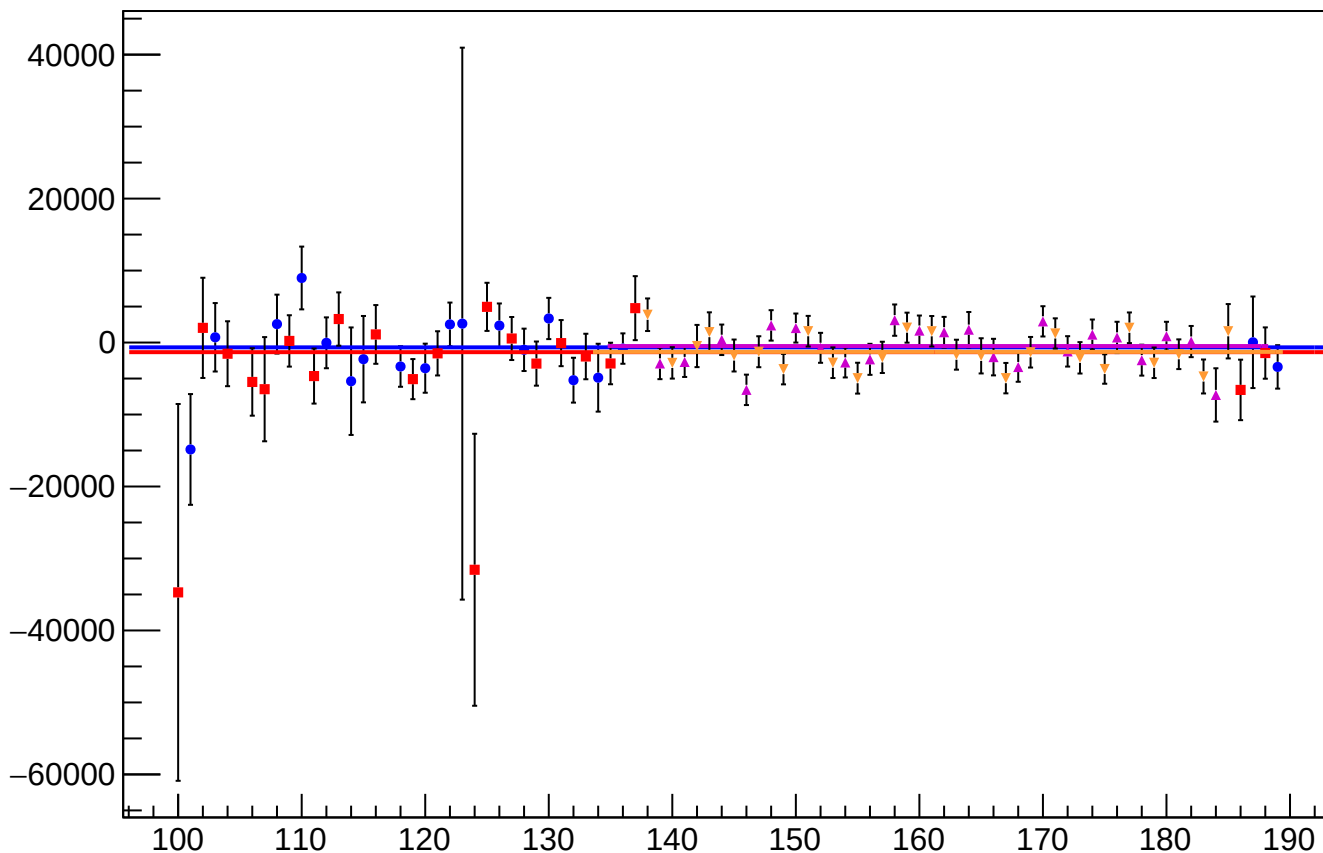
Right: 1155.371+/-0.730 χ^2/NDF : 351997.4/3

In: 437.224+/-0.073 χ^2/NDF : 757887.9/24

Out: 437.171+/-0.072 χ^2/NDF : 1552829.7/26

All: 437.197+/-0.051 χ^2/NDF : 2310717.9/51

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -668.432+/-824.631 χ^2/NDF : 18.9/18

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

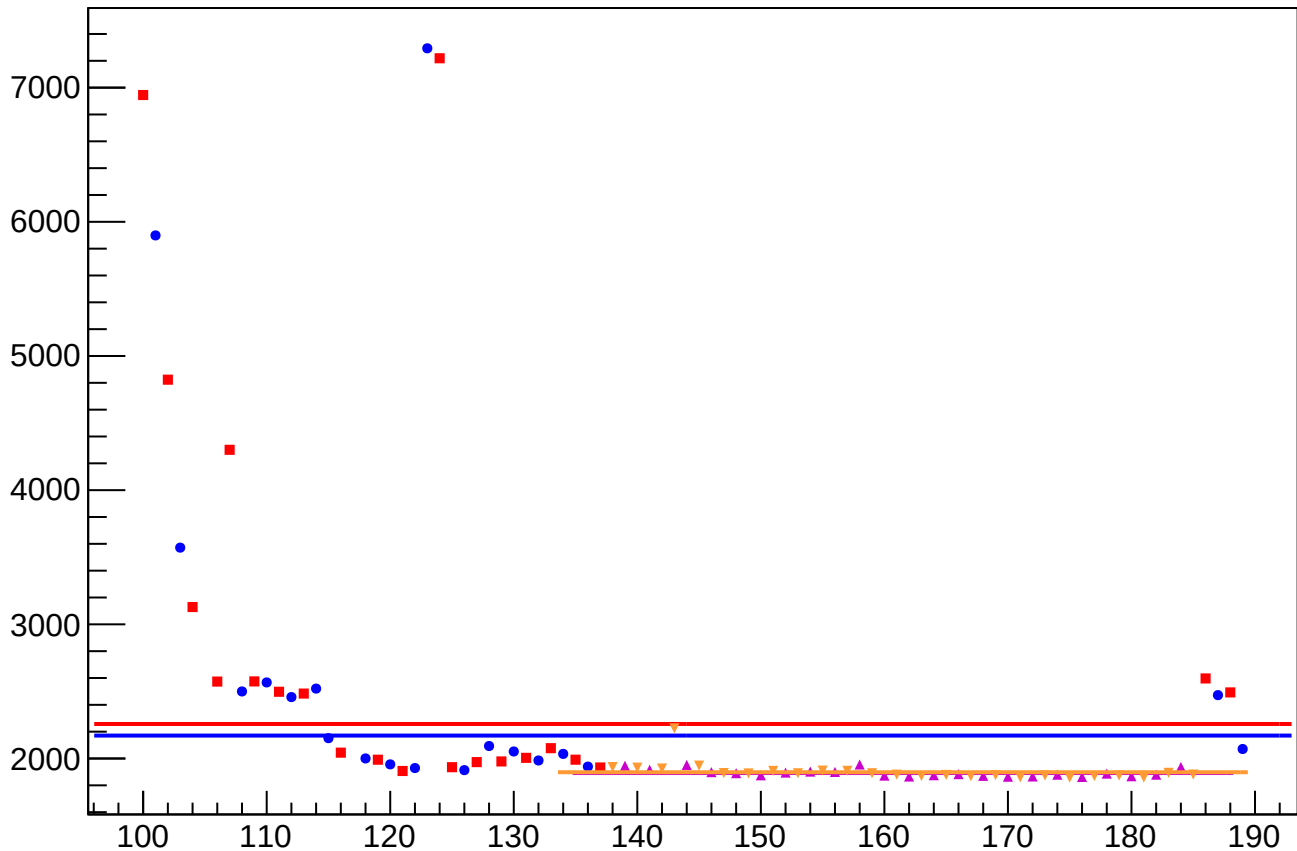
Right: -1001.243+/-583.631 χ^2/NDF : 37.8/39

In: -528.017+/-396.377 χ^2/NDF : 51.4/41

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

All: -920.792+/-278.432 χ^2/NDF : 101.5/87

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2170.880 $\pm$ 0.583 χ^2/NDF : 812069.3/18

Left Out: 1897.670 $\pm$ 0.314 χ^2/NDF : 35089.1/24

Right Out: 2257.285 $\pm$ 0.584 χ^2/NDF : 919784.2/20

Left In: 1891.722 $\pm$ 0.320 χ^2/NDF : 7584.2/22

Left: 1894.748 $\pm$ 0.224 χ^2/NDF : 42849.4/47

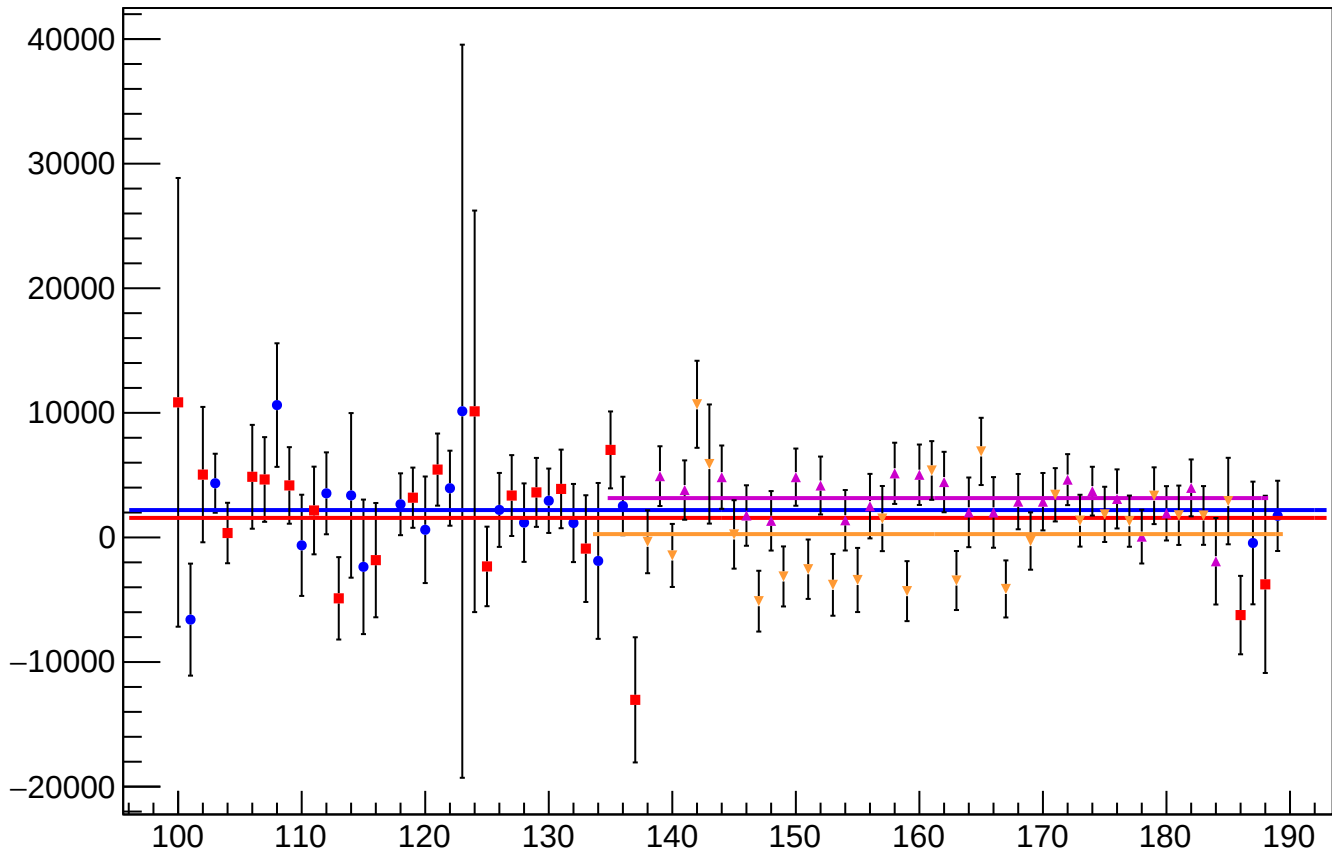
Right: 2214.004 $\pm$ 0.413 χ^2/NDF : 1742812.5/39

In: 1956.220 $\pm$ 0.280 χ^2/NDF : 995896.6/41

Out: 1978.307 $\pm$ 0.277 χ^2/NDF : 1248870.9/45

All: 1967.409 $\pm$ 0.197 χ^2/NDF : 2247913.4/87

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2197.781 $\pm$ 779.135 χ^2 /NDF: 10.6/18

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

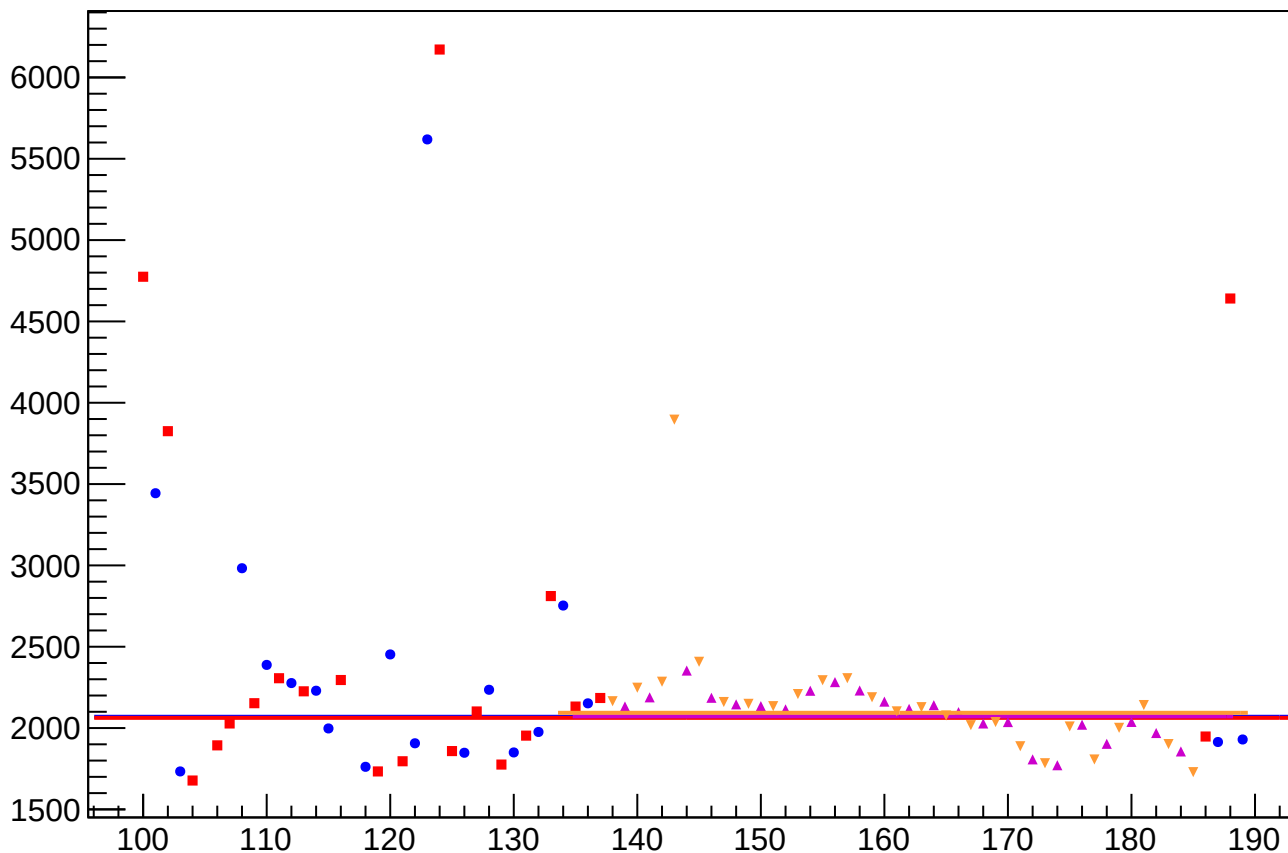
Right: 1876.590 $\pm$ 545.343 χ^2 /NDF: 42.4/39

In: 2881.806 $\pm$ 418.154 χ^2 /NDF:22.1/41

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

All: 1755.300 $\pm$ 294.231 χ^2 /NDF: 121.0/87

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 2069.289 $\pm$ 0.551 χ^2 /NDF: 464723.1/18

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

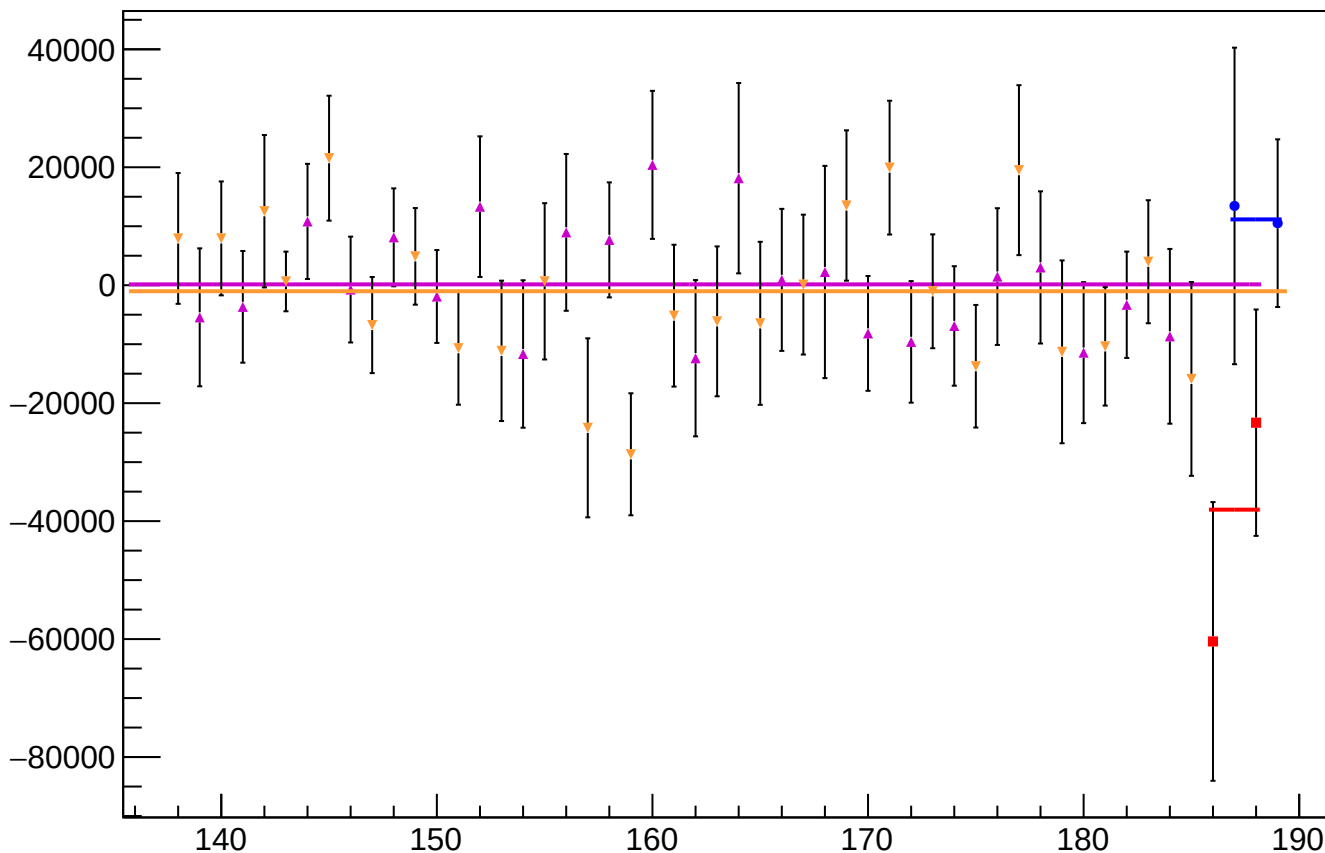
Right: 2065.949 $\pm$ 0.386 χ^2 /NDF: 1341416.6/39

In: 2071.133 $\pm$ 0.296 χ^2 /NDF: 646020.5/41

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

All: 2077.967 $\pm$ 0.208 χ^2 /NDF: 2035443.1/87

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: 11159.082 $\pm$ 12562.598 χ^2 /NDF: 0.0/1

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

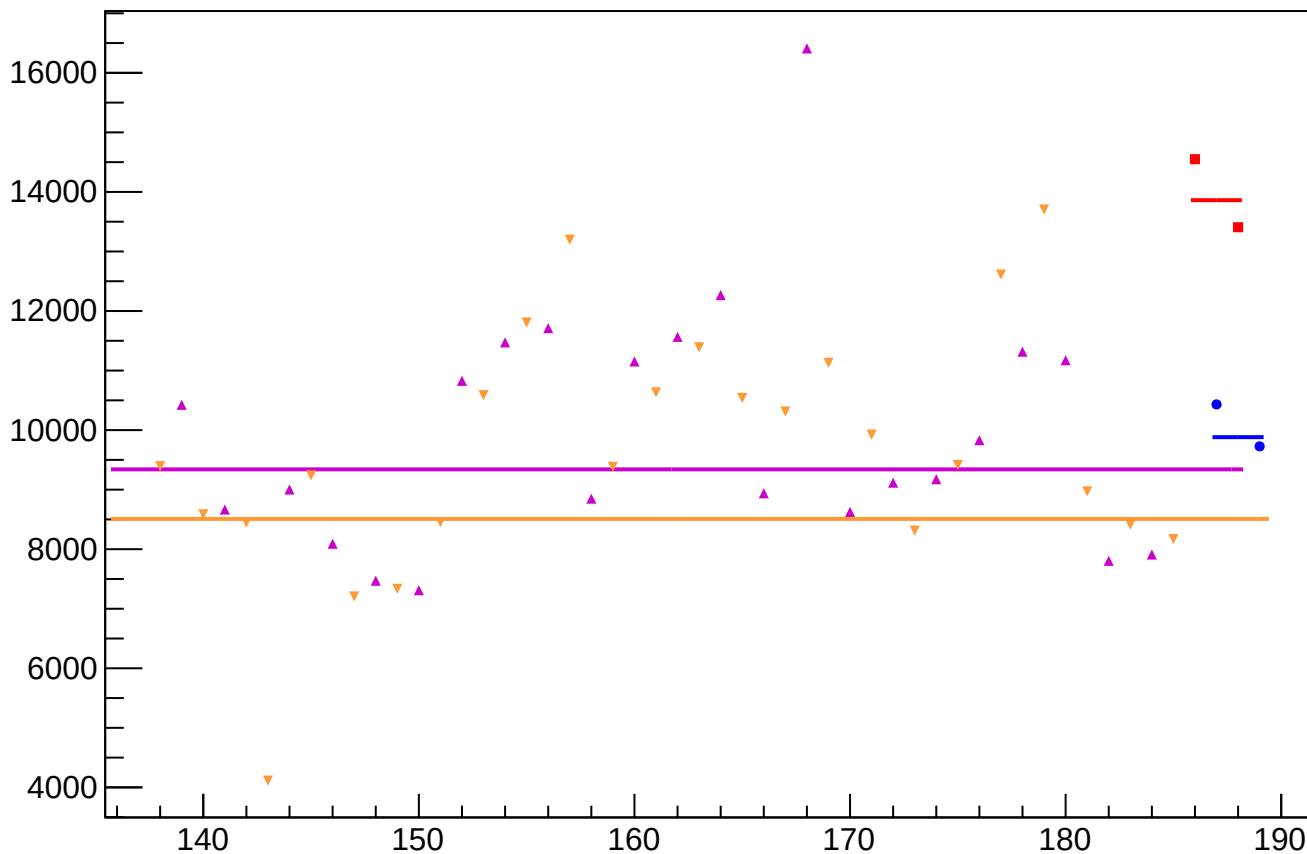
Right: -9293.560 $\pm$ 9603.706 χ^2 /NDF: 7.9/3

In: 490.819 $\pm$ 2231.231 χ^2 /NDF:14.9/24

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

All: -707.641 $\pm$ 1513.236 χ^2 /NDF: 53.5/51

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 9881.637 $\pm$ 8.883 χ^2/NDF : 1076.3/1

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

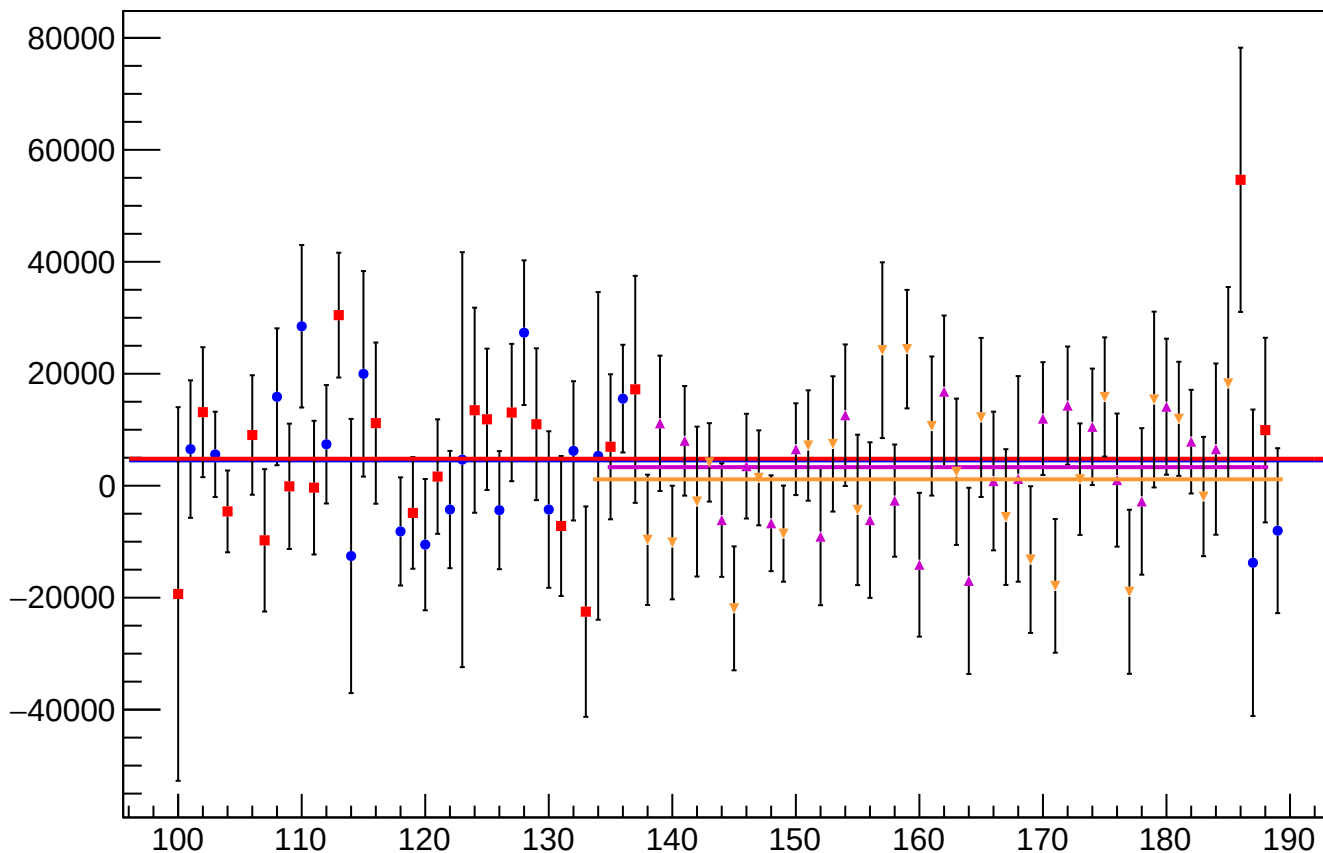
Right: 11535.576 $\pm$ 6.791 χ^2/NDF : 87309.3/3

In: 9357.735 $\pm$ 1.578 χ^2/NDF : 1126943.4/24

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

All: 8954.281 $\pm$ 1.070 χ^2/NDF : 4297251.0/51

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4524.421 $\pm$ 2873.003 χ^2 /NDF: 15.7/18

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

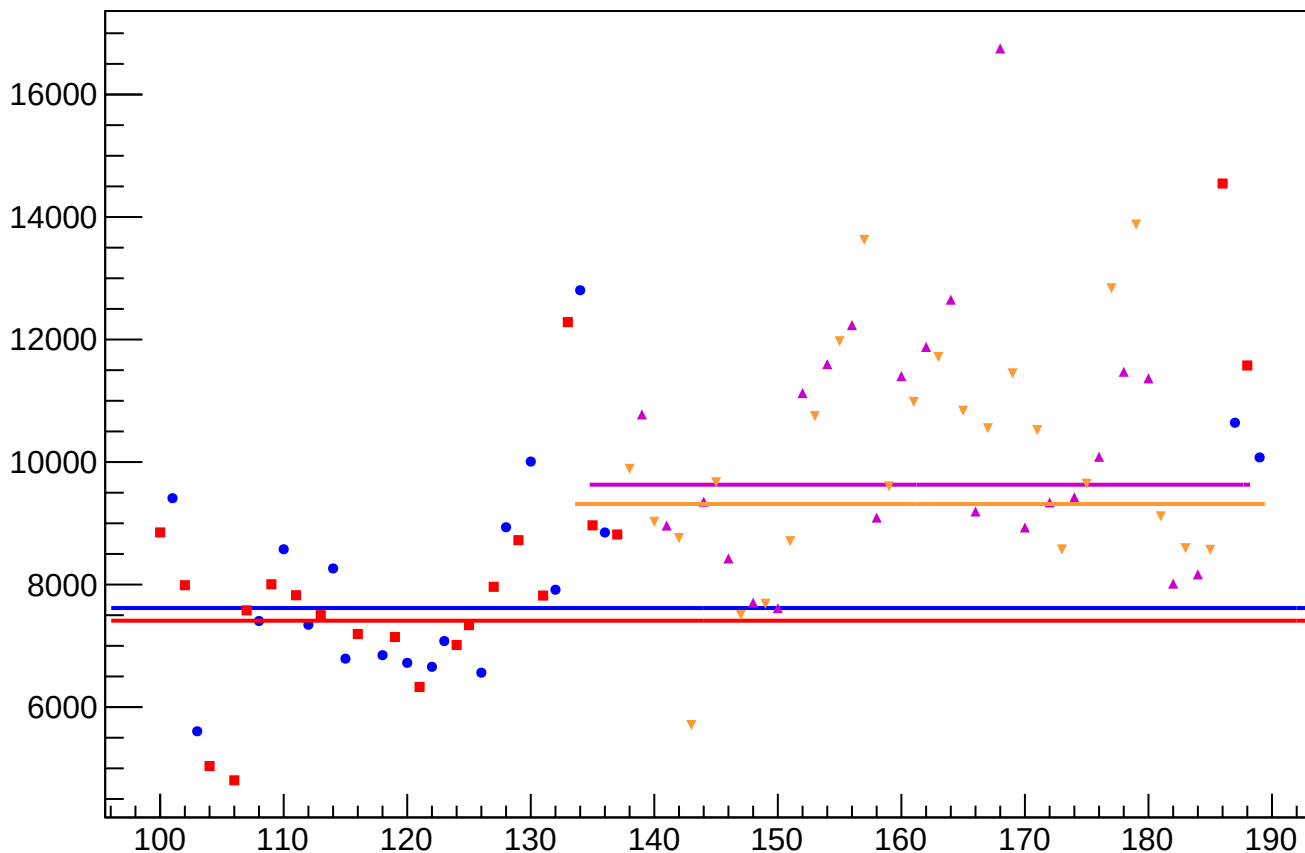
Right: 4678.978 $\pm$ 1980.095 χ^2 /NDF: 36.0/39

In: 3797.569 $\pm$ 1812.574 χ^2 /NDF:29.2/41

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

All: 3178.573 $\pm$ 1251.033 χ^2 /NDF: 78.7/87

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7617.152 $\pm$ 2.031 χ^2/NDF : 516035.7/18

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

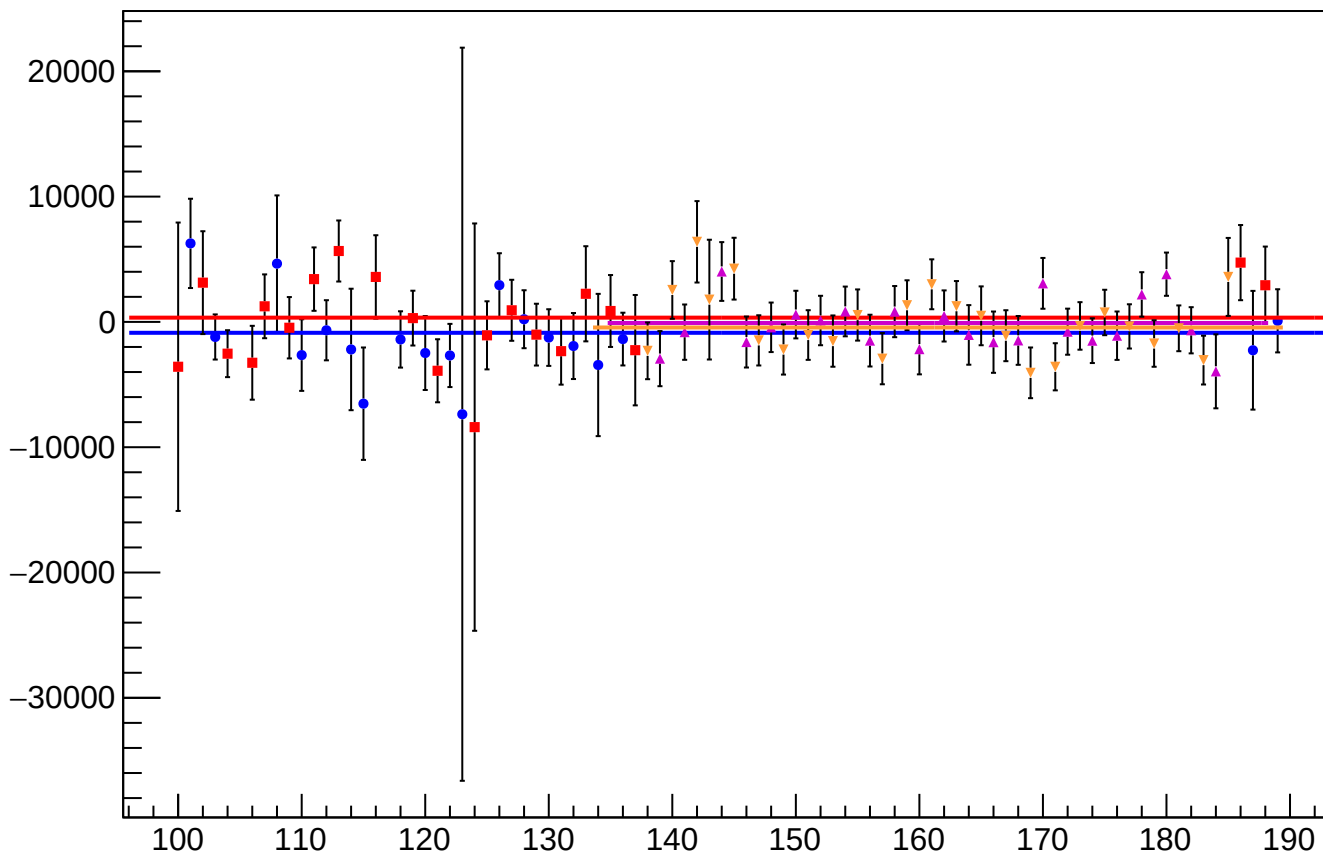
Right: 7508.603 $\pm$ 1.400 χ^2/NDF : 1402974.8/39

In: 8829.004 $\pm$ 1.282 χ^2/NDF :2181851.3/41

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

All: 8684.409 $\pm$ 0.885 χ^2/NDF : 5174151.0/87

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -869.236+/-642.731 χ^2/NDF : 11.2/18

Left Out: -445.526+/-418.017 χ^2/NDF : 28.9/24

Right Out: 339.875+/-615.301 χ^2/NDF : 20.1/20

Left In: -85.195+/-421.350 χ^2/NDF : 20.7/22

Left: -266.791+/-296.754 χ^2/NDF : 50.0/47

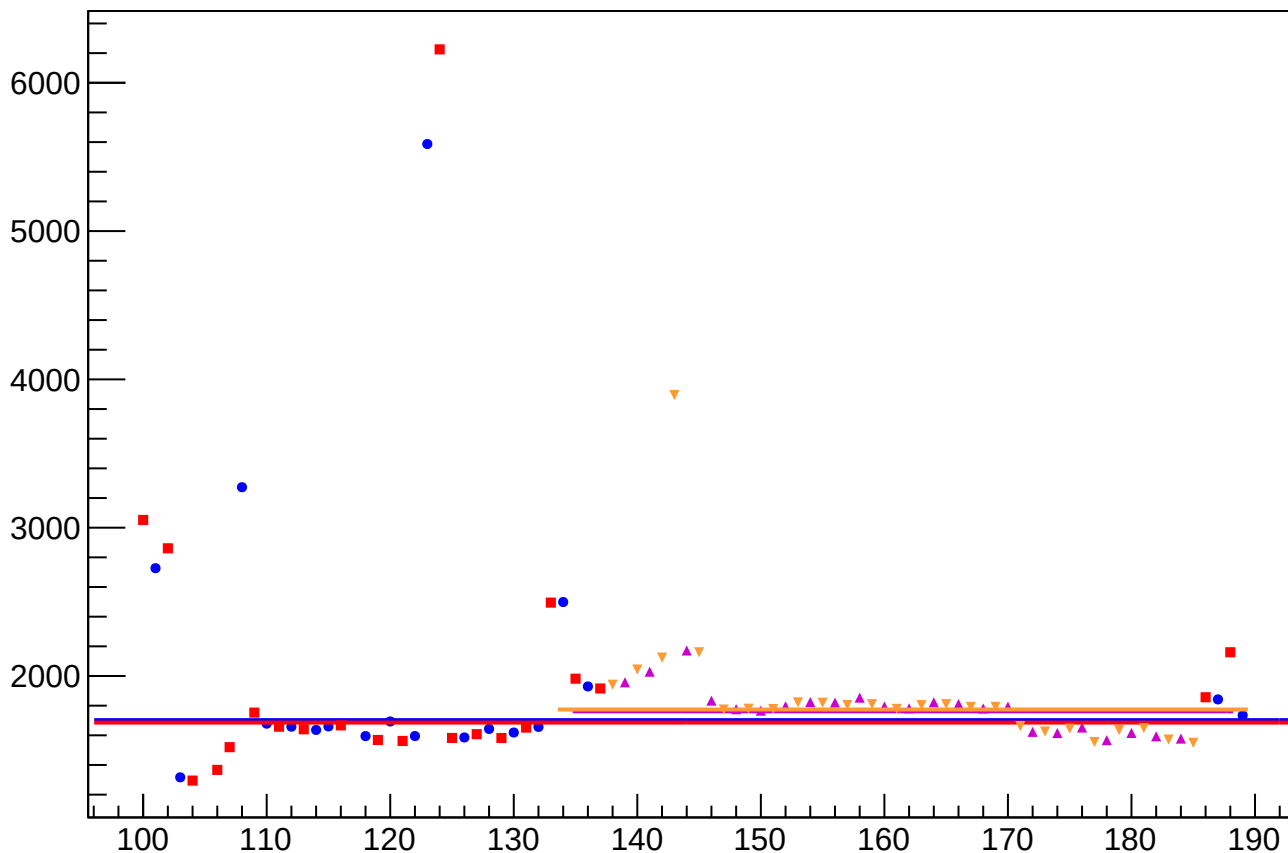
Right: -238.329+/-444.465 χ^2/NDF : 33.1/39

In: -320.864+/-352.380 χ^2/NDF : 32.9/41

Out: -197.503+/-345.771 χ^2/NDF : 50.1/45

All: -258.016+/-246.800 χ^2/NDF : 83.1/87

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1702.341 $\pm$ 0.454 χ^2/NDF : 541911.5/18

Left Out: 1774.084 $\pm$ 0.296 χ^2/NDF : 621530.1/24

Right Out: 1686.064 $\pm$ 0.435 χ^2/NDF : 660571.9/20

Left In: 1761.787 $\pm$ 0.298 χ^2/NDF : 214639.5/22

Left: 1767.985 $\pm$ 0.210 χ^2/NDF : 837028.0/47

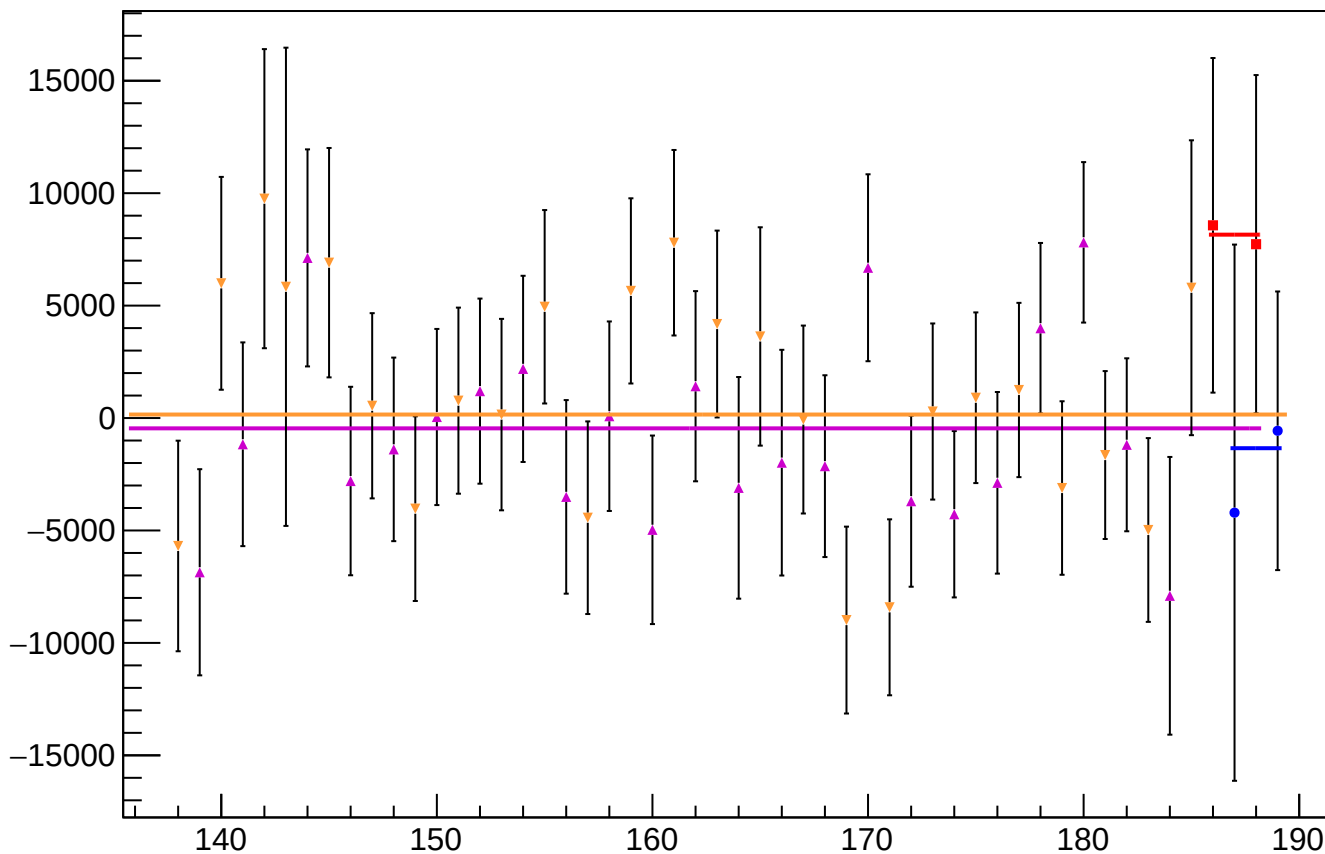
Right: 1693.848 $\pm$ 0.314 χ^2/NDF : 1203152.7/39

In: 1743.919 $\pm$ 0.249 χ^2/NDF : 768517.3/41

Out: 1746.288 $\pm$ 0.244 χ^2/NDF : 1310105.0/45

All: 1745.126 $\pm$ 0.175 χ^2/NDF : 2078668.4/87

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: -1341.235 ± 5497.682 $\chi^2/\text{NDF}: 0.1/1$

Left Out: 156.218 ± 869.587 $\chi^2/\text{NDF}: 30.4/24$

Right Out: 8155.384 ± 5289.811 $\chi^2/\text{NDF}: 0.0/1$

Left In: -458.566 ± 874.634 $\chi^2/\text{NDF}: 21.2/22$

Left: -149.395 ± 616.667 $\chi^2/\text{NDF}: 51.8/47$

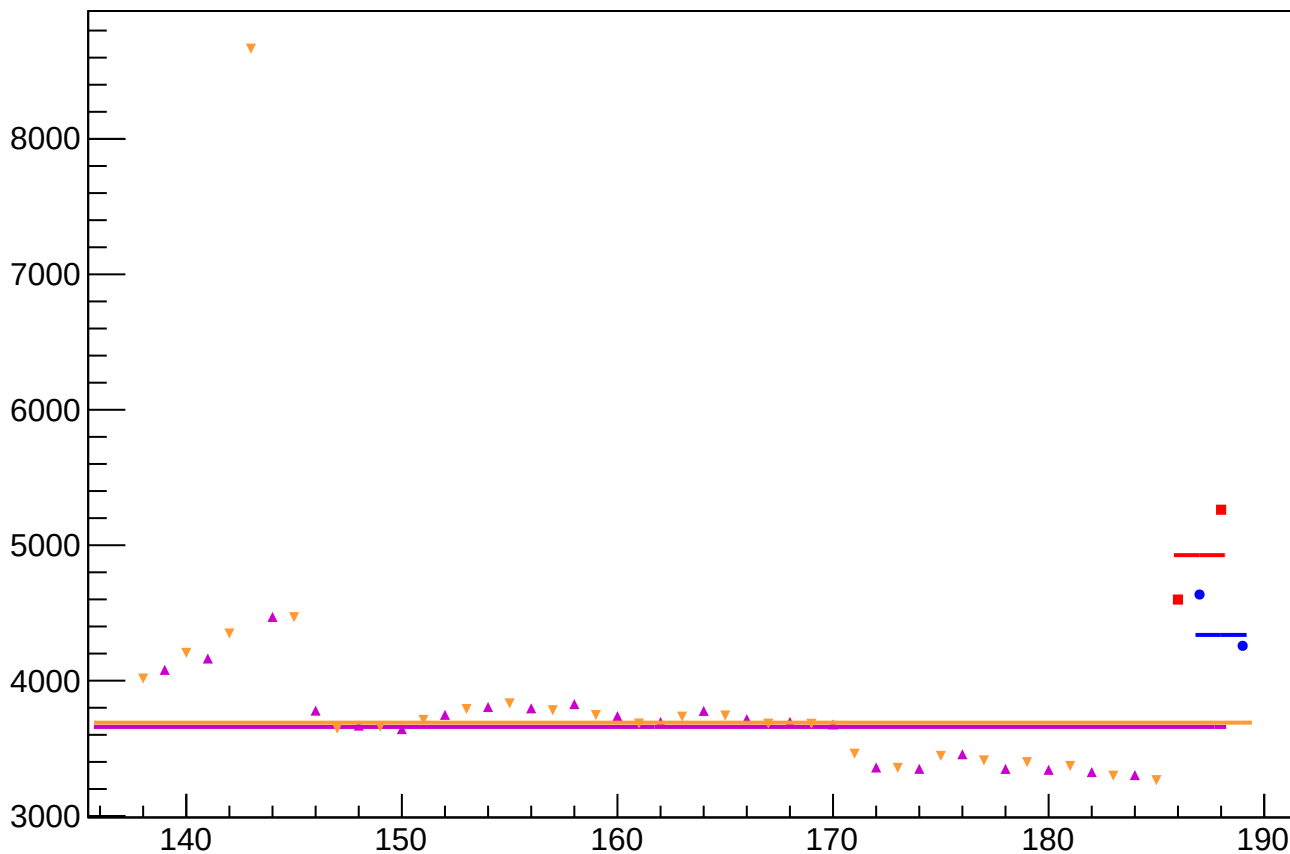
Right: 3590.002 ± 3811.831 $\chi^2/\text{NDF}: 1.6/3$

In: -480.355 ± 863.772 $\chi^2/\text{NDF}: 21.3/24$

Out: 366.698 ± 858.070 $\chi^2/\text{NDF}: 32.6/26$

All: -54.024 ± 608.753 $\chi^2/\text{NDF}: 54.3/51$

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 4337.749 $\pm$ 3.887 χ^2 /NDF: 1588.6/1

Left Out: 3690.073 $\pm$ 0.615 χ^2 /NDF:635939.2/24

Right Out: 4926.790 $\pm$ 3.740 χ^2 /NDF: 7858.7/1

Left In: 3658.346 $\pm$ 0.618 χ^2 /NDF:193399.4/22

Left: 3674.301 $\pm$ 0.436 χ^2 /NDF: 830662.0/47

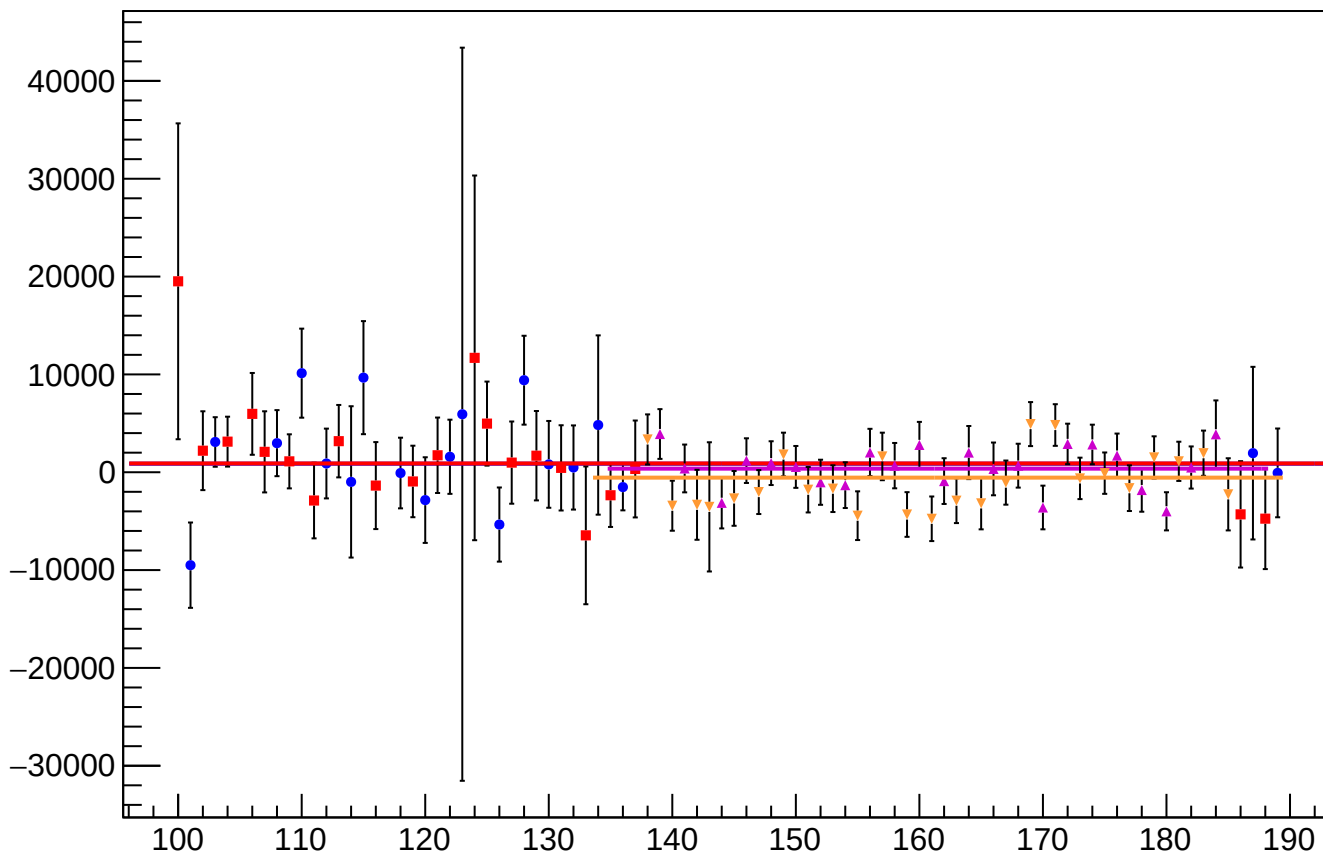
Right: 4643.616 $\pm$ 2.695 χ^2 /NDF: 21369.3/3

In: 3675.117 $\pm$ 0.611 χ^2 /NDF:224778.0/24

Out: 3722.614 $\pm$ 0.607 χ^2 /NDF:750239.1/26

All: 3699.023 $\pm$ 0.430 χ^2 /NDF: 978060.8/51

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 873.843 $\pm$ 935.697 χ^2 /NDF: 21.7/18

Left Out: -551.411 $\pm$ 481.630 χ^2 /NDF:34.0/24

Right Out: 898.618 $\pm$ 897.978 χ^2 /NDF: 11.2/20

Left In: 366.243 $\pm$ 483.092 χ^2 /NDF:20.5/22

Left: -93.975 $\pm$ 341.080 χ^2 /NDF: 56.4/47

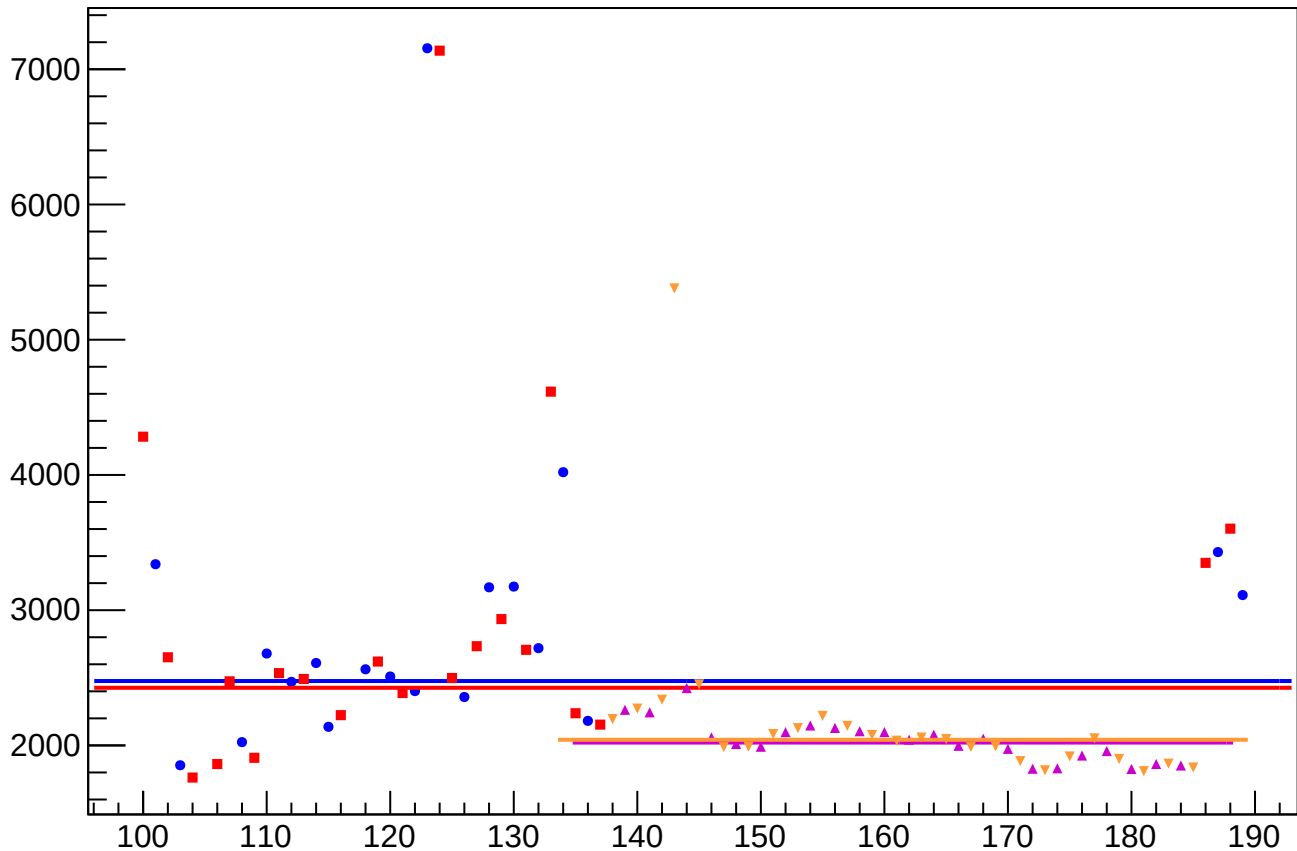
Right: 886.740 $\pm$ 647.891 χ^2 /NDF: 32.8/39

In: 473.071 $\pm$ 429.257 χ^2 /NDF:42.4/41

Out: -227.469 $\pm$ 424.435 χ^2 /NDF:47.2/45

All: 118.844 $\pm$ 301.811 χ^2 /NDF: 91.0/87

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2476.159 ± 0.662 $\chi^2/\text{NDF}: 534609.7/18$

Left Out: 2041.781 ± 0.341 $\chi^2/\text{NDF}: 706854.2/24$

Right Out: 2426.200 ± 0.635 $\chi^2/\text{NDF}: 827591.2/20$

Left In: 2021.065 ± 0.342 $\chi^2/\text{NDF}: 178726.2/22$

Left: 2031.455 ± 0.241 $\chi^2/\text{NDF}: 887424.8/47$

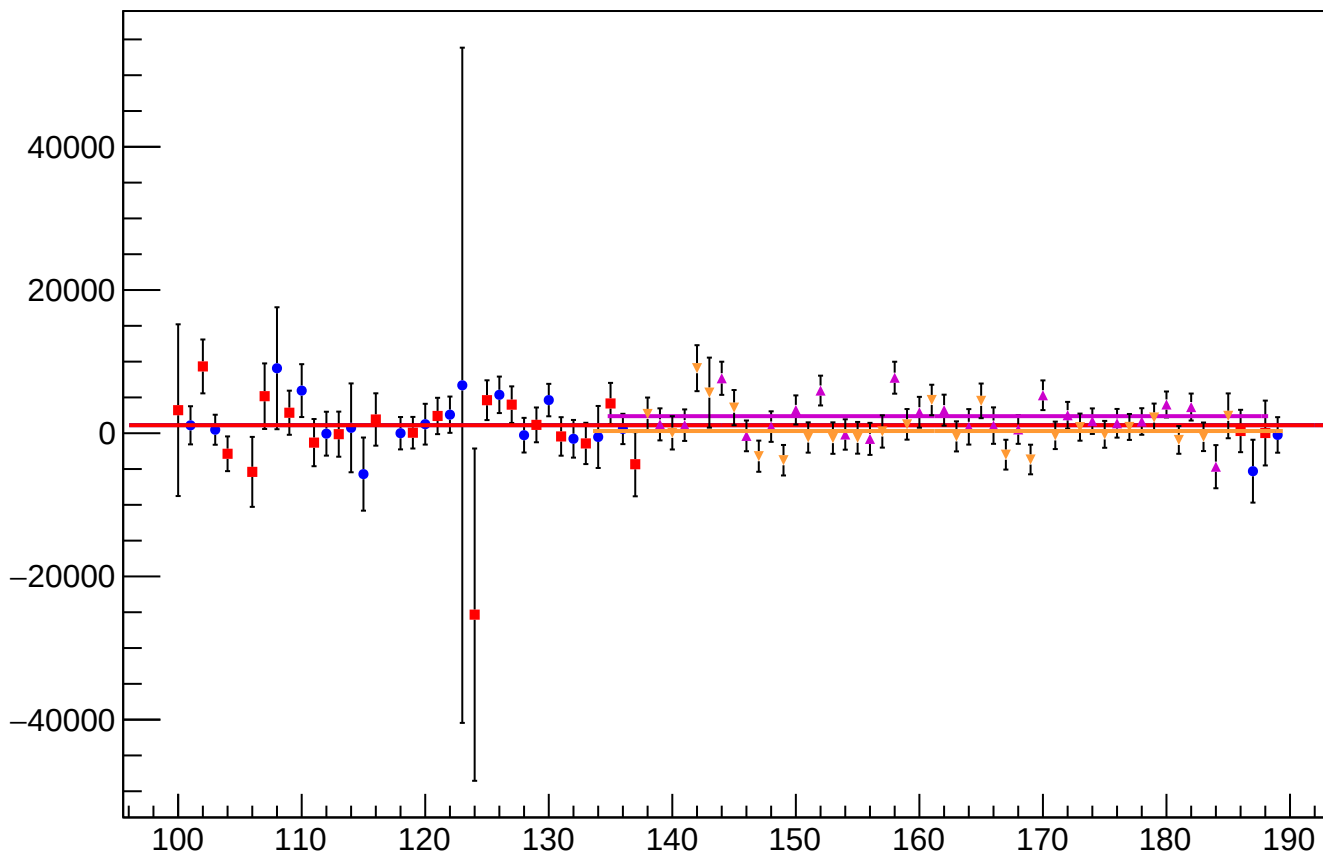
Right: 2450.152 ± 0.458 $\chi^2/\text{NDF}: 1365168.9/39$

In: 2116.844 ± 0.304 $\chi^2/\text{NDF}: 1086877.6/41$

Out: 2127.662 ± 0.300 $\chi^2/\text{NDF}: 1819091.7/45$

All: 2122.314 ± 0.213 $\chi^2/\text{NDF}: 2906611.7/87$

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1128.475+/-665.677 χ^2/NDF : 13.9/18

Left Out: 307.312+/-435.678 χ^2/NDF : 34.4/24

Right Out: 1117.494+/-687.173 χ^2/NDF : 19.6/20

Left In: 2383.232+/-438.943 χ^2/NDF : 31.3/22

Left: 1337.521+/-309.219 χ^2/NDF : 77.0/47

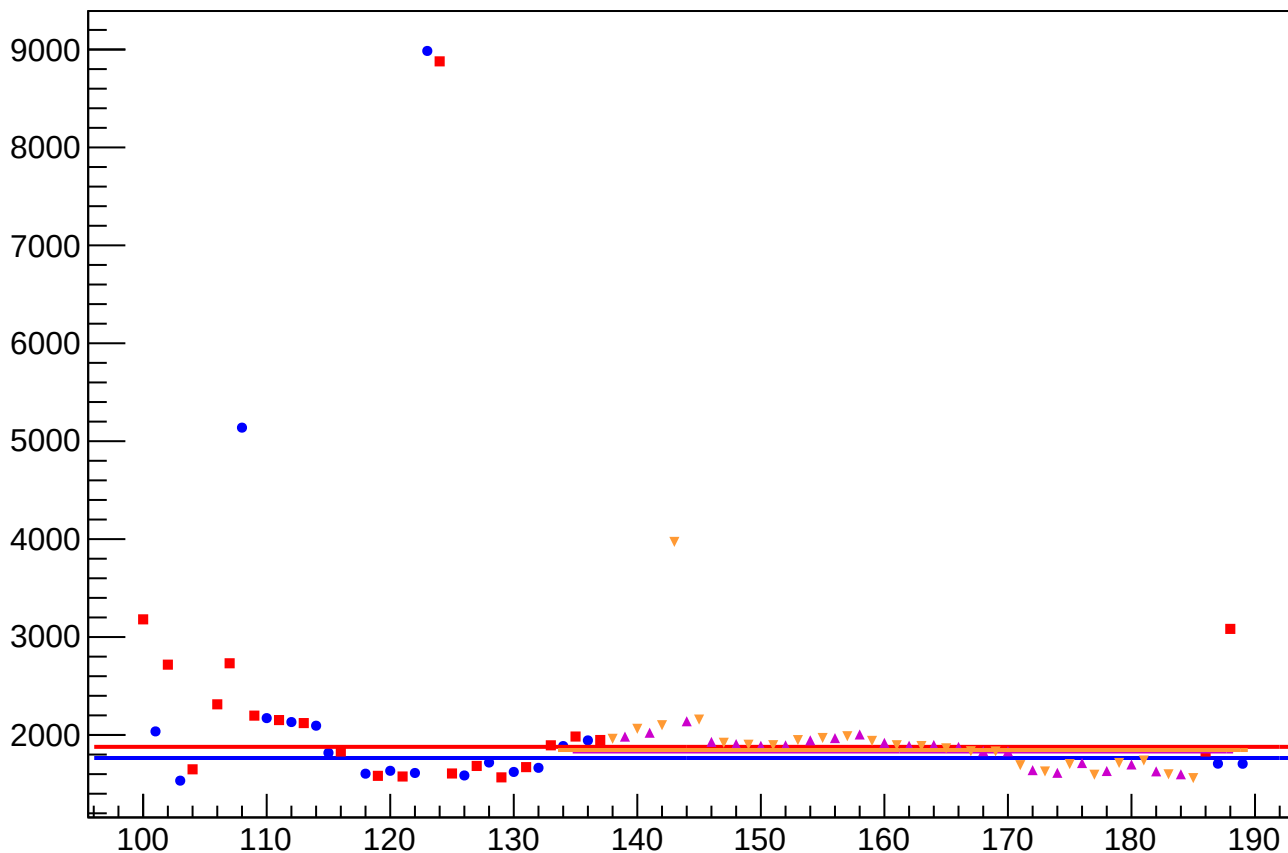
Right: 1123.159+/-478.124 χ^2/NDF : 33.5/39

In: 2002.992+/-366.448 χ^2/NDF : 47.7/41

Out: 539.607+/-367.955 χ^2/NDF : 55.0/45

All: 1274.303+/-259.649 χ^2/NDF : 110.6/87

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1764.810+/-0.471 χ^2/NDF : 525215.0/18

Left Out: 1846.193+/-0.308 χ^2/NDF : 626949.3/24

Right Out: 1878.592+/-0.485 χ^2/NDF : 742940.9/20

Left In: 1831.219+/-0.310 χ^2/NDF : 229043.3/22

Left: 1838.762+/-0.219 χ^2/NDF : 857165.1/47

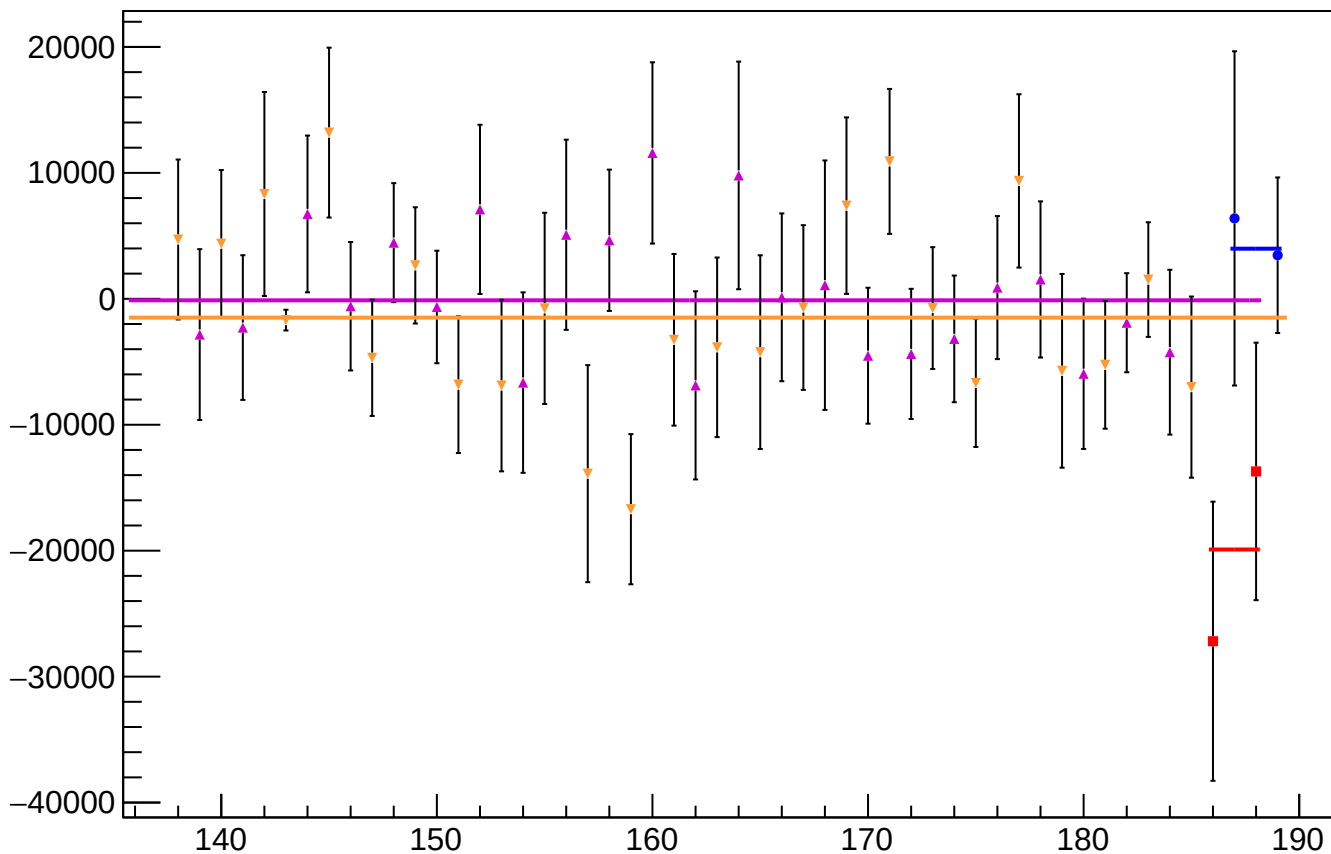
Right: 1819.956+/-0.338 χ^2/NDF : 1296475.1/39

In: 1811.094+/-0.259 χ^2/NDF : 768130.8/41

Out: 1855.497+/-0.260 χ^2/NDF : 1373066.2/45

All: 1833.211+/-0.184 χ^2/NDF : 2155823.5/87

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 3981.184 $\pm$ 5600.336 χ^2 /NDF: 0.0/1

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

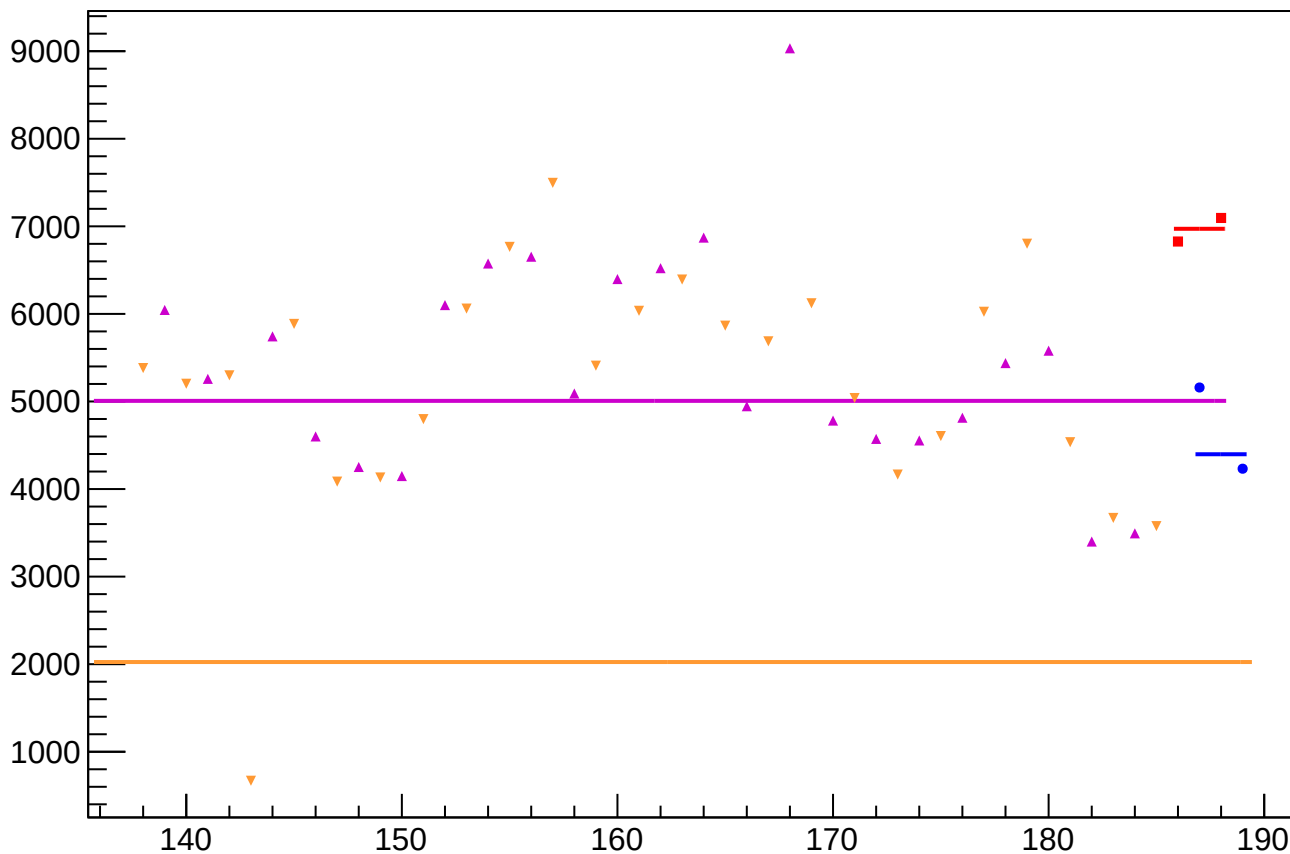
Right: -4548.751 $\pm$ 4490.390 χ^2 /NDF: 7.3/3

In: 68.277 $\pm$ 1194.705 χ^2 /NDF:14.3/24

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

All: -1223.847 $\pm$ 592.296 χ^2 /NDF: 54.3/51

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 4397.360+/-3.960

χ^2/NDF : 8025.9/1

Left Out: 2024.652+/-0.484

χ^2/NDF : 18819780.3/24

Right Out: 6971.866+/-5.313

χ^2/NDF : 636.5/1

Left In: 5006.911+/-0.865

χ^2/NDF : 1537926.5/22

Left: 2736.677+/-0.423

χ^2/NDF : 29412871.6/47

Right: 5316.729+/-3.175

χ^2/NDF : 159596.0/3

In: 4979.171+/-0.845

χ^2/NDF : 1568567.2/24

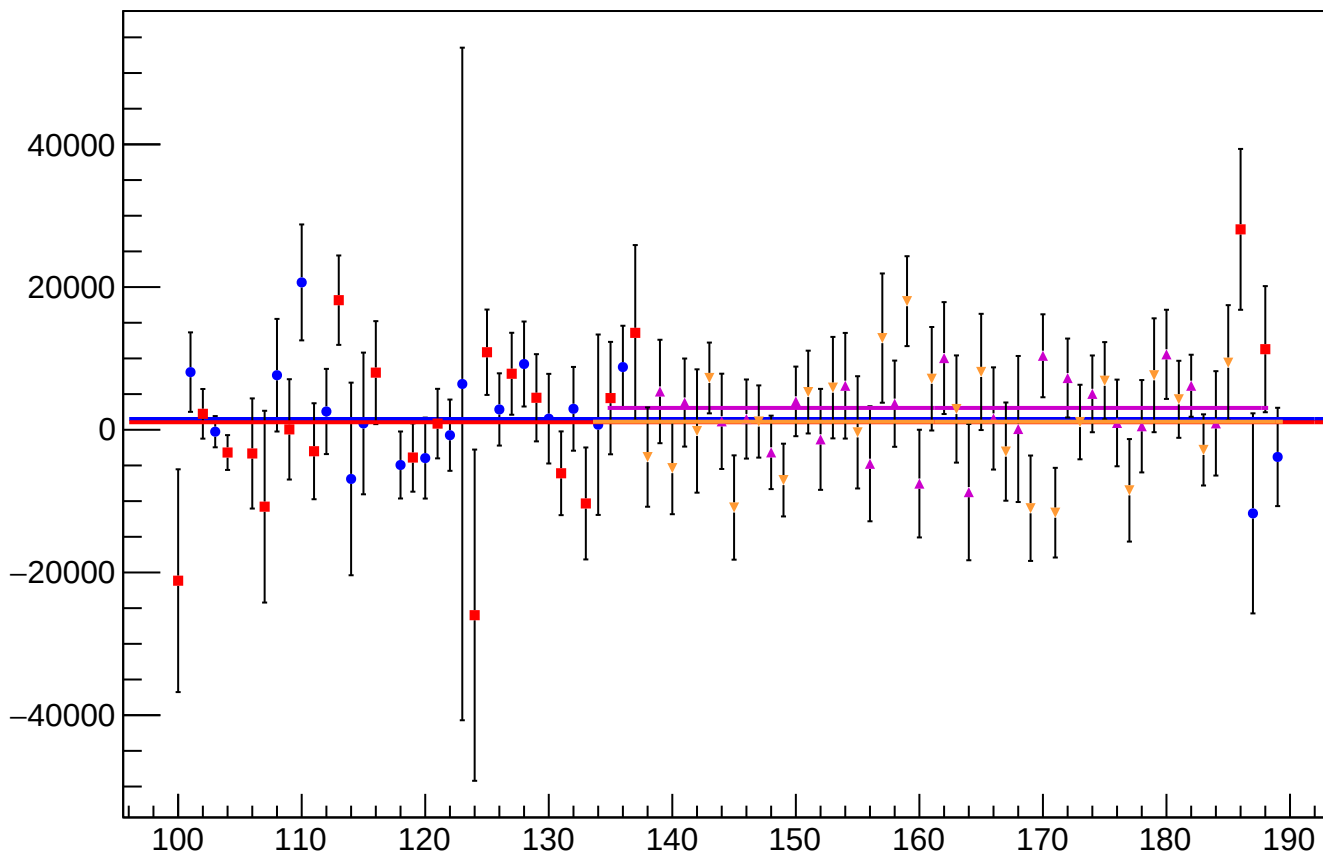
Out: 2065.406+/-0.482

χ^2/NDF : 19680196.2/26

All: 2781.566+/-0.419

χ^2/NDF : 30221245.6/5

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1510.662 $\pm$ 1273.424 χ^2 /NDF: 16.5/18

Left Out: 1132.501 $\pm$ 1280.211 χ^2 /NDF:32.5/24

Right Out: 1057.016 $\pm$ 1264.636 χ^2 /NDF: 33.8/20

Left In: 3061.439 $\pm$ 1313.197 χ^2 /NDF:12.3/22

Left: 2072.439 $\pm$ 916.686 χ^2 /NDF: 45.9/47

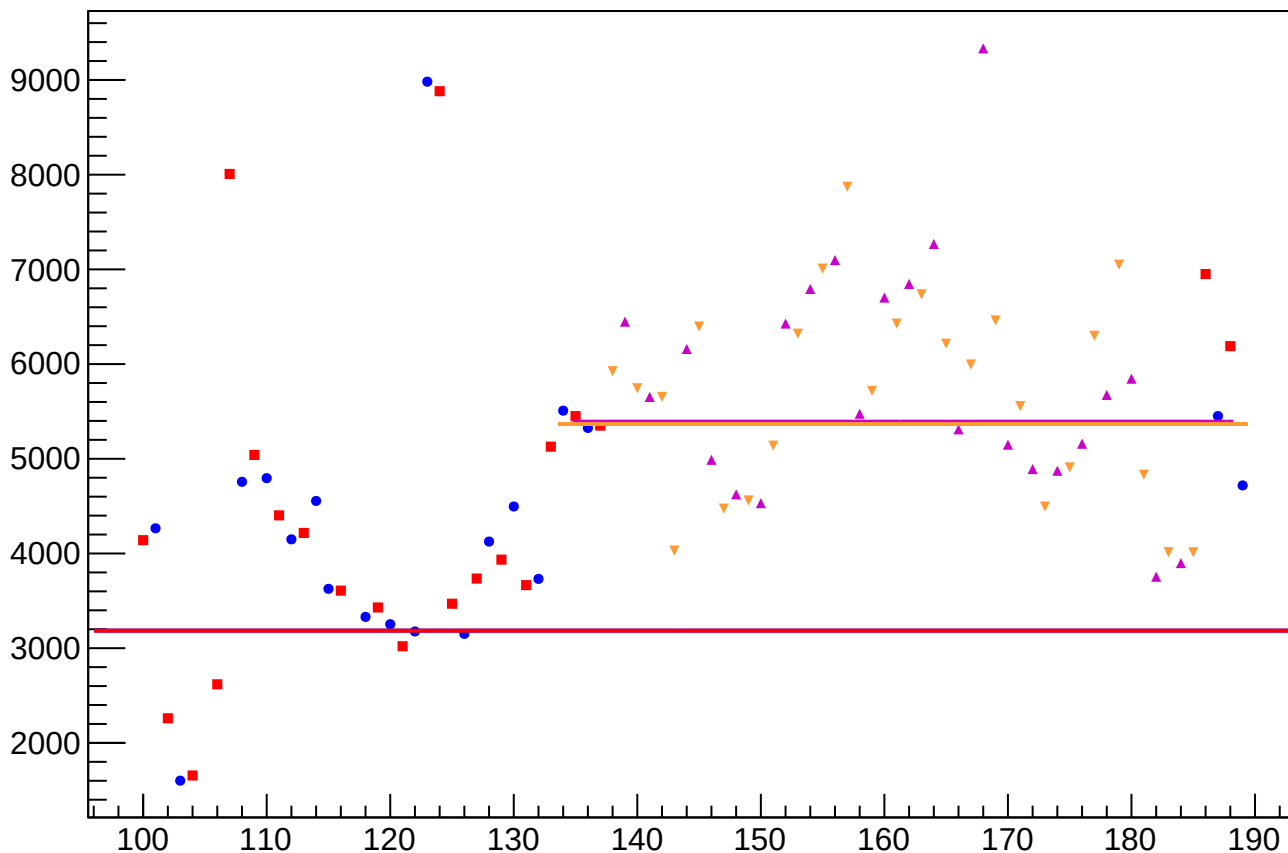
Right: 1282.268 $\pm$ 897.324 χ^2 /NDF: 50.4/39

In: 2262.210 $\pm$ 914.184 χ^2 /NDF:29.6/41

Out: 1094.296 $\pm$ 899.689 χ^2 /NDF:66.2/45

All: 1668.921 $\pm$ 641.240 χ^2 /NDF: 96.7/87

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3185.752 $\pm$ 0.900 χ^2 /NDF: 2036708.8/18

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

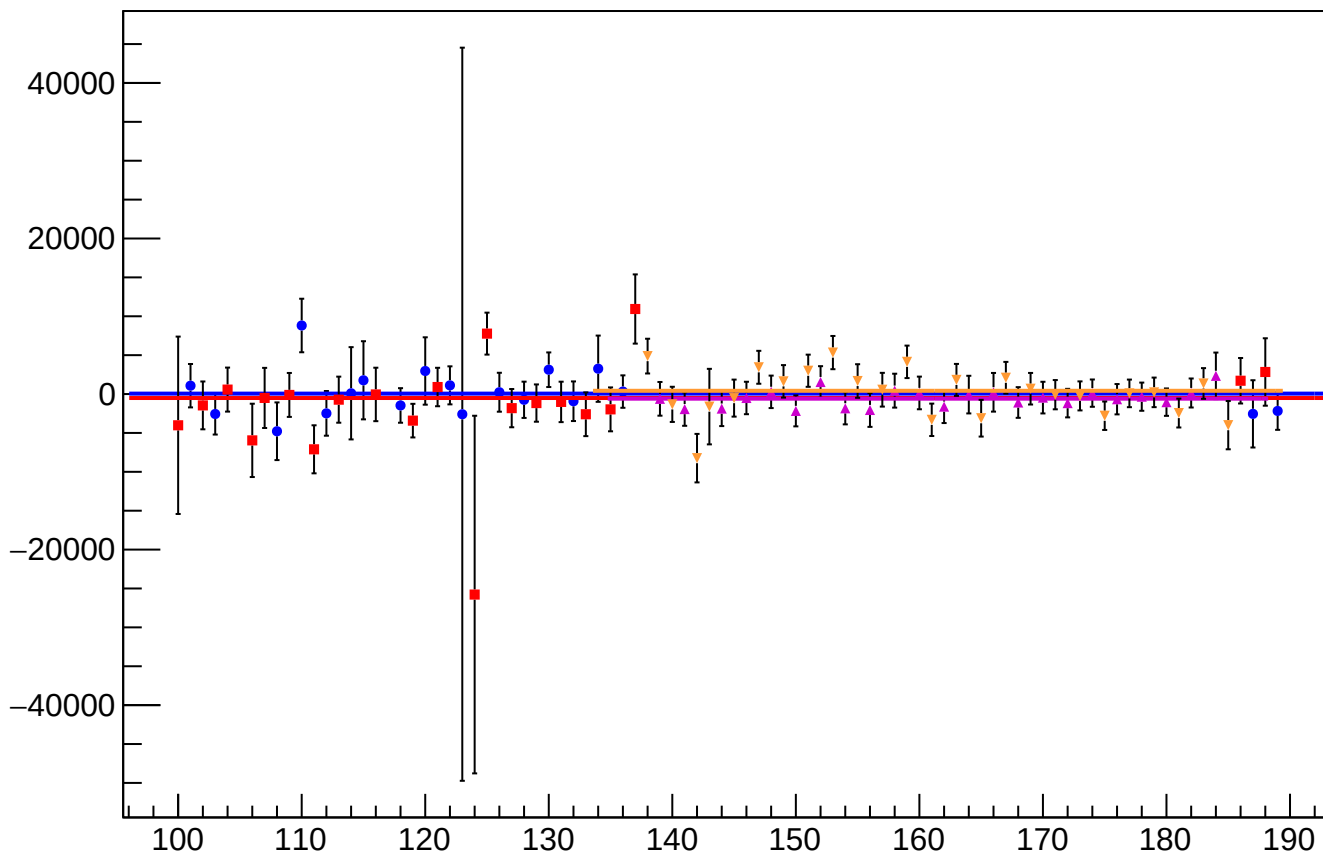
Right: 3185.466 $\pm$ 0.630 χ^2 /NDF: 4515462.7/39

In: 4254.948 $\pm$ 0.646 χ^2 /NDF: 6266484.1/41

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

All: 4251.054 $\pm$ 0.452 χ^2 /NDF: 12939687.4/86

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 55.531 ± 666.739 χ^2/NDF : 15.3/18

Left Out: 418.780 ± 425.452 χ^2/NDF : 39.9/24

Right Out: -510.180 ± 665.719 χ^2/NDF : 28.0/20

Left In: -595.101 ± 429.153 χ^2/NDF : 5.7/22

Left: -83.770 ± 302.140 χ^2/NDF : 48.4/47

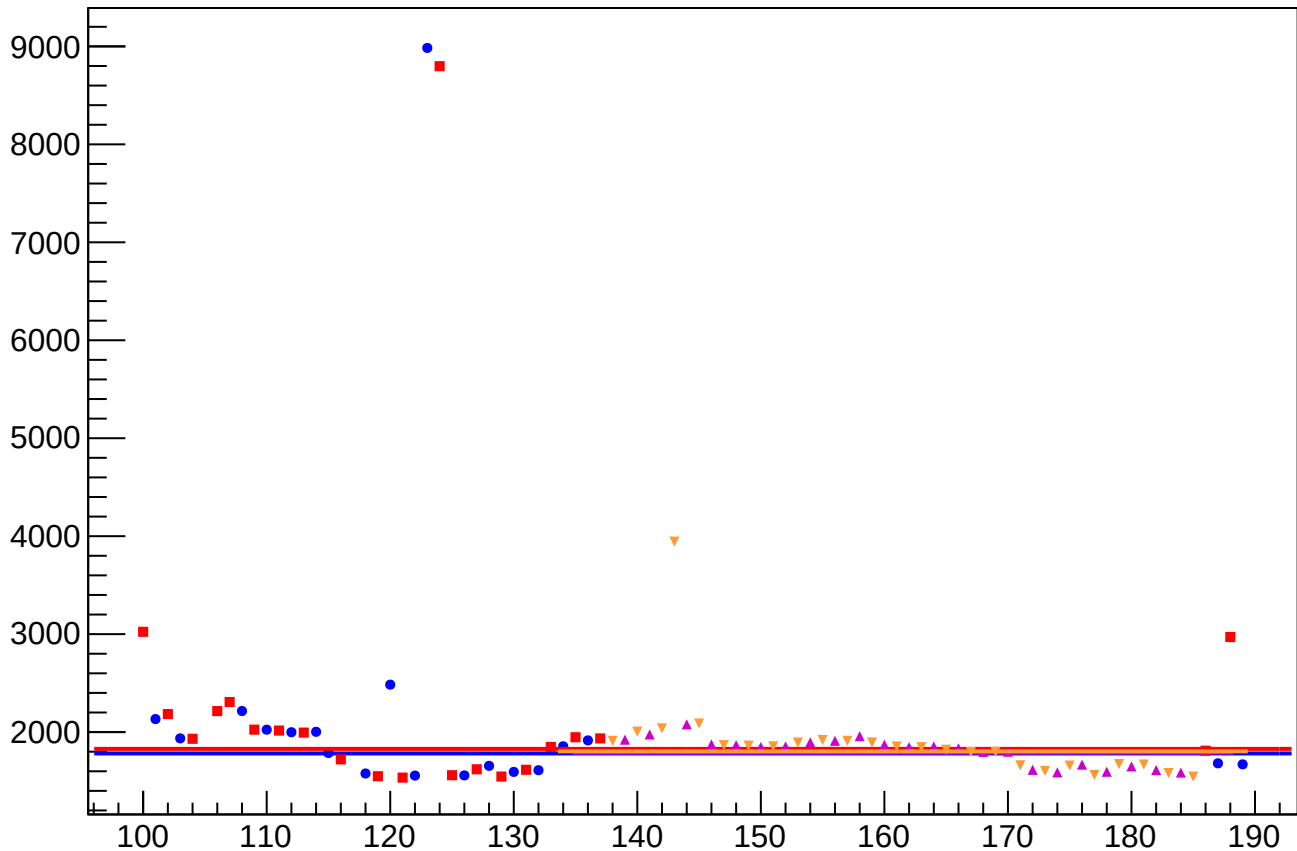
Right: -227.758 ± 471.095 χ^2/NDF : 43.7/39

In: -404.508 ± 360.862 χ^2/NDF : 21.6/41

Out: 149.391 ± 358.495 χ^2/NDF : 69.4/45

All: -125.736 ± 254.327 χ^2/NDF : 92.2/87

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1782.104 $\pm$ 0.471 χ^2 /NDF: 282556.7/18

Left Out: 1803.254 $\pm$ 0.301 χ^2 /NDF: 616372.0/24

Right Out: 1828.757 $\pm$ 0.470 χ^2 /NDF: 586999.3/20

Left In: 1790.999 $\pm$ 0.303 χ^2 /NDF: 210711.4/22

Left: 1797.180 $\pm$ 0.214 χ^2 /NDF: 827905.8/47

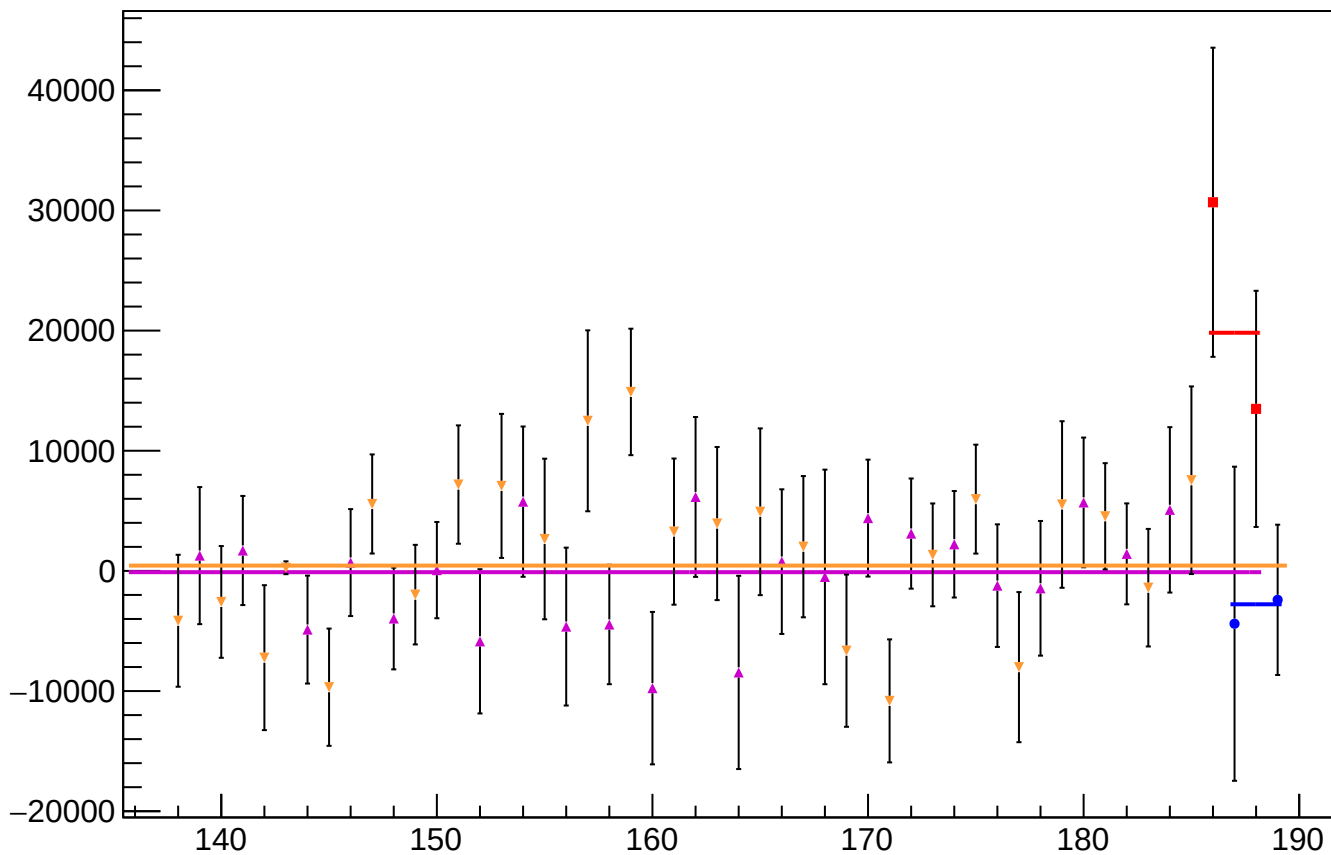
Right: 1805.500 $\pm$ 0.333 χ^2 /NDF: 874466.5/39

In: 1788.394 $\pm$ 0.255 χ^2 /NDF: 493519.7/41

Out: 1810.665 $\pm$ 0.253 χ^2 /NDF: 1205459.6/45

All: 1799.607 $\pm$ 0.180 χ^2 /NDF: 1702814.8/87

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: -2778.570 ± 5641.131 $\chi^2/\text{NDF}: 0.0/1$

Left Out: 441.916 ± 479.882 $\chi^2/\text{NDF}: 35.2/24$

Right Out: 19820.877 ± 7809.319 $\chi^2/\text{NDF}: 1.1/1$

Left In: -105.335 ± 1090.763 $\chi^2/\text{NDF}: 13.1/22$

Left: 353.170 ± 439.251 $\chi^2/\text{NDF}: 48.5/47$

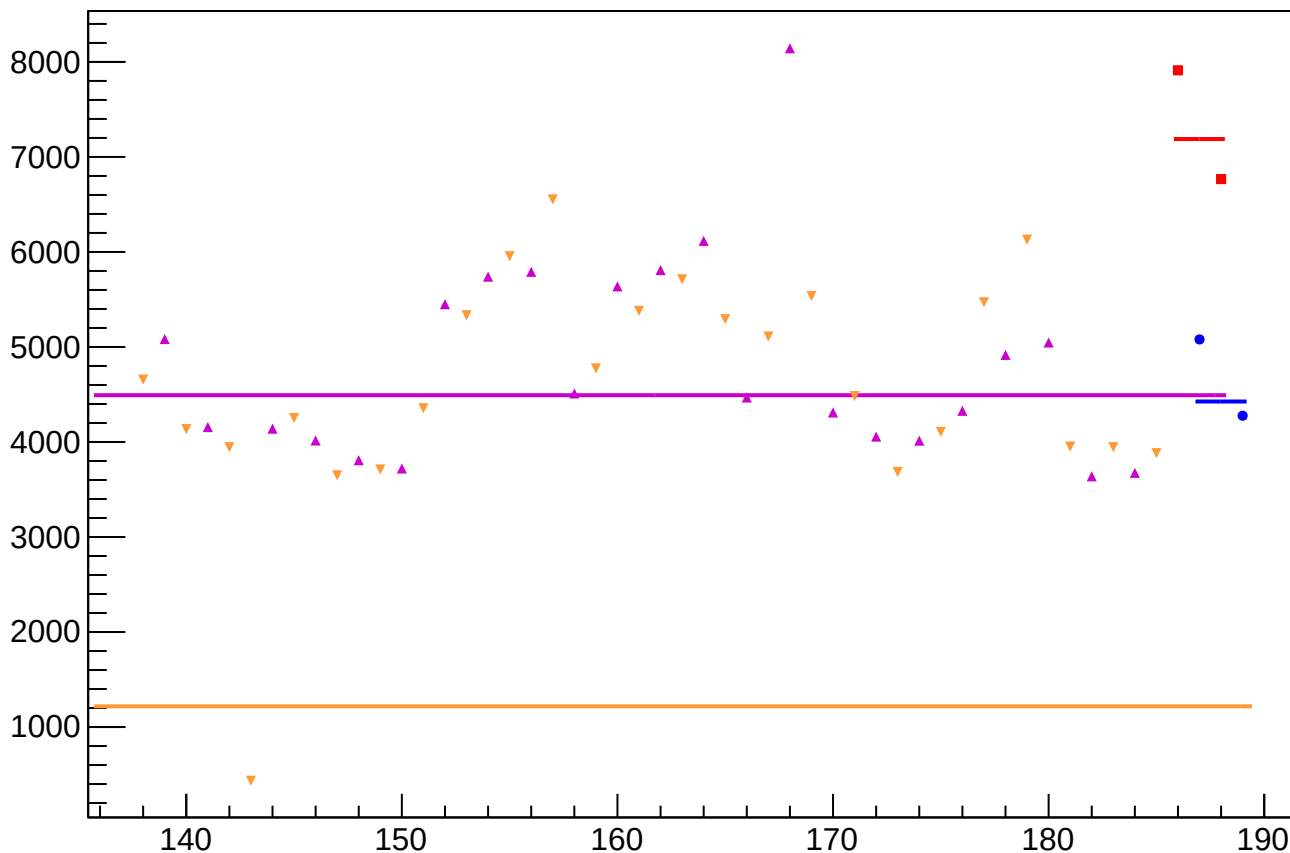
Right: 4970.429 ± 4572.851 $\chi^2/\text{NDF}: 6.7/3$

In: -201.679 ± 1070.927 $\chi^2/\text{NDF}: 13.4/24$

Out: 514.818 ± 478.978 $\chi^2/\text{NDF}: 42.4/26$

All: 395.383 ± 437.239 $\chi^2/\text{NDF}: 56.2/51$

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 4426.064+/-3.989 χ^2/NDF : 6139.3/1

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

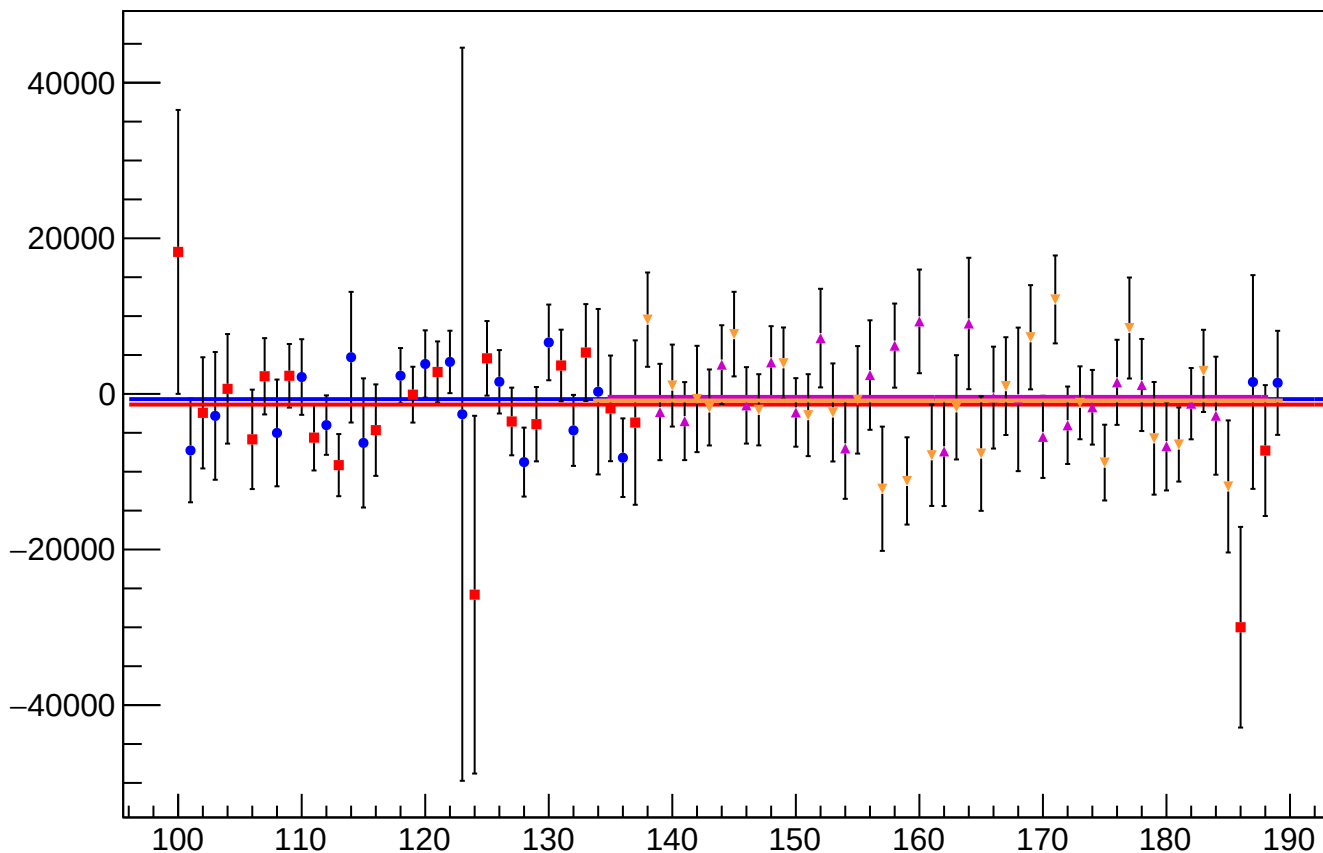
Right: 5373.333+/-3.233 χ^2/NDF : 180613.9/3

In: 4489.837+/-0.757 χ^2/NDF : 1158422.7/24

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

All: 1782.024+/-0.309 χ^2/NDF : 41100449.6/5

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -673.953+/-1221.685 χ^2/NDF : 15.7/18

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

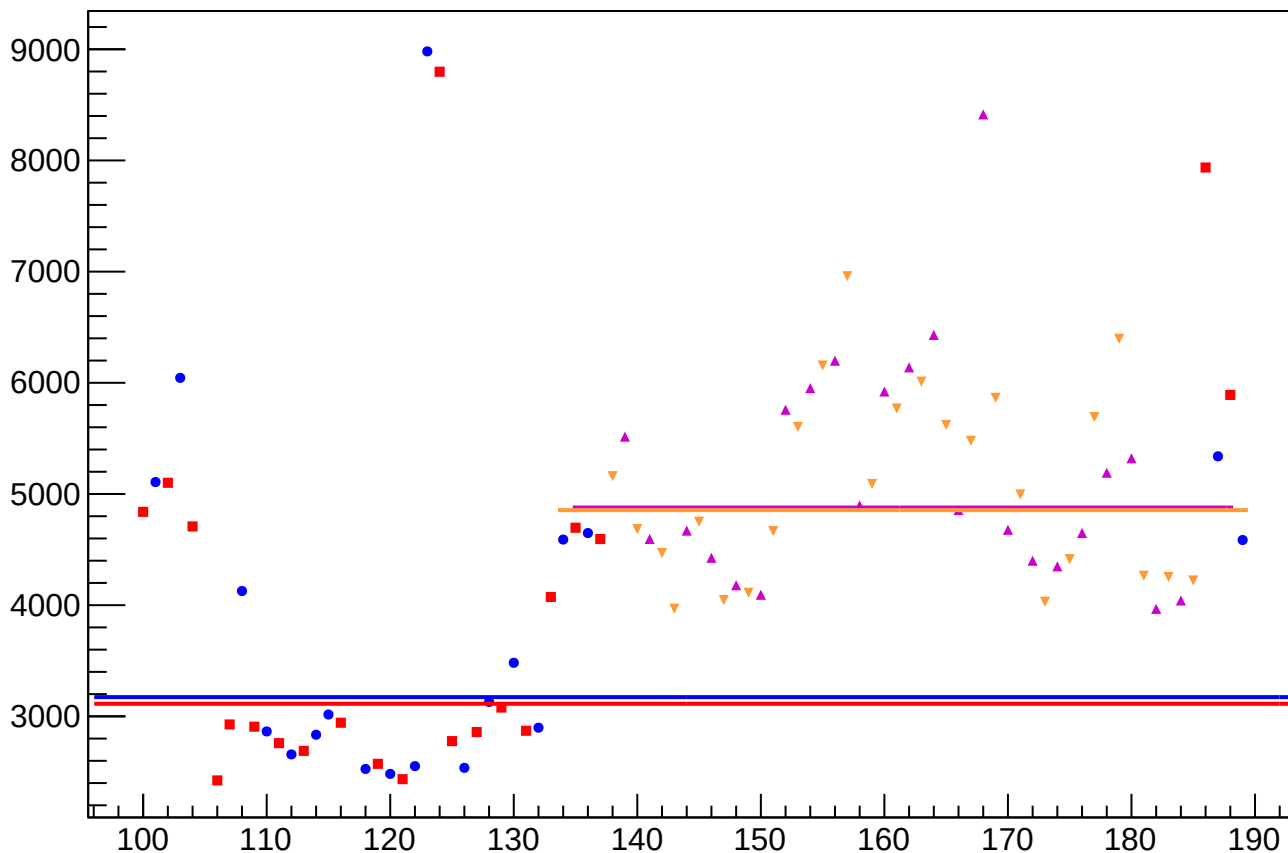
Right: -1034.420+/-846.668 χ^2/NDF : 36.3/39

In: -524.692+/-849.282 χ^2/NDF :29.6/41

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

All: -822.334+/-590.894 χ^2/NDF : 80.5/87

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3172.891+/-0.864 χ^2/NDF : 1104591.0/18

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

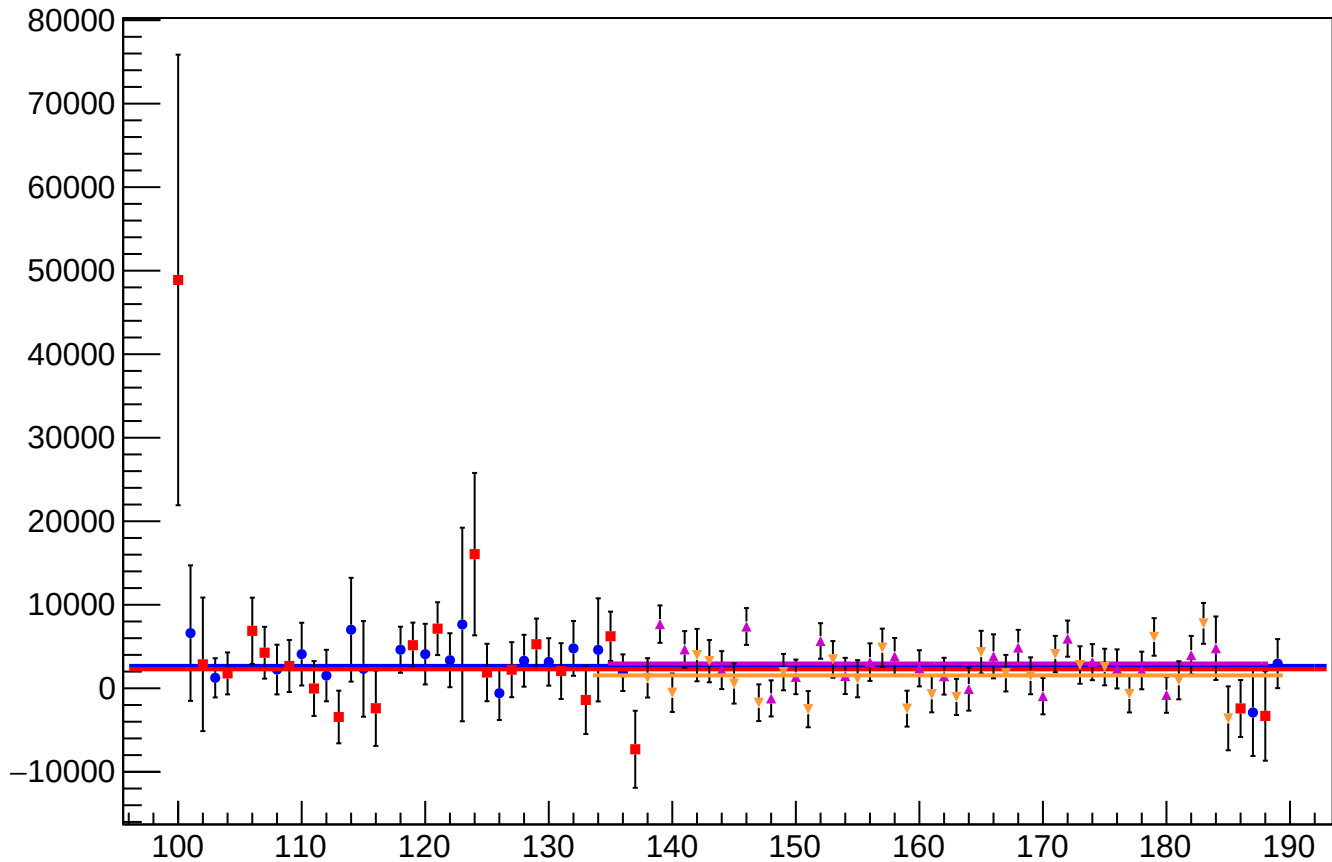
Right: 3141.523+/-0.595 χ^2/NDF : 2412158.1/39

In: 4054.111+/-0.601 χ^2/NDF : 4083622.3/41

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

All: 4020.720+/-0.417 χ^2/NDF : 8558435.3/87

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2684.292 $\pm$ 776.802 χ^2 /NDF: 5.2/18

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

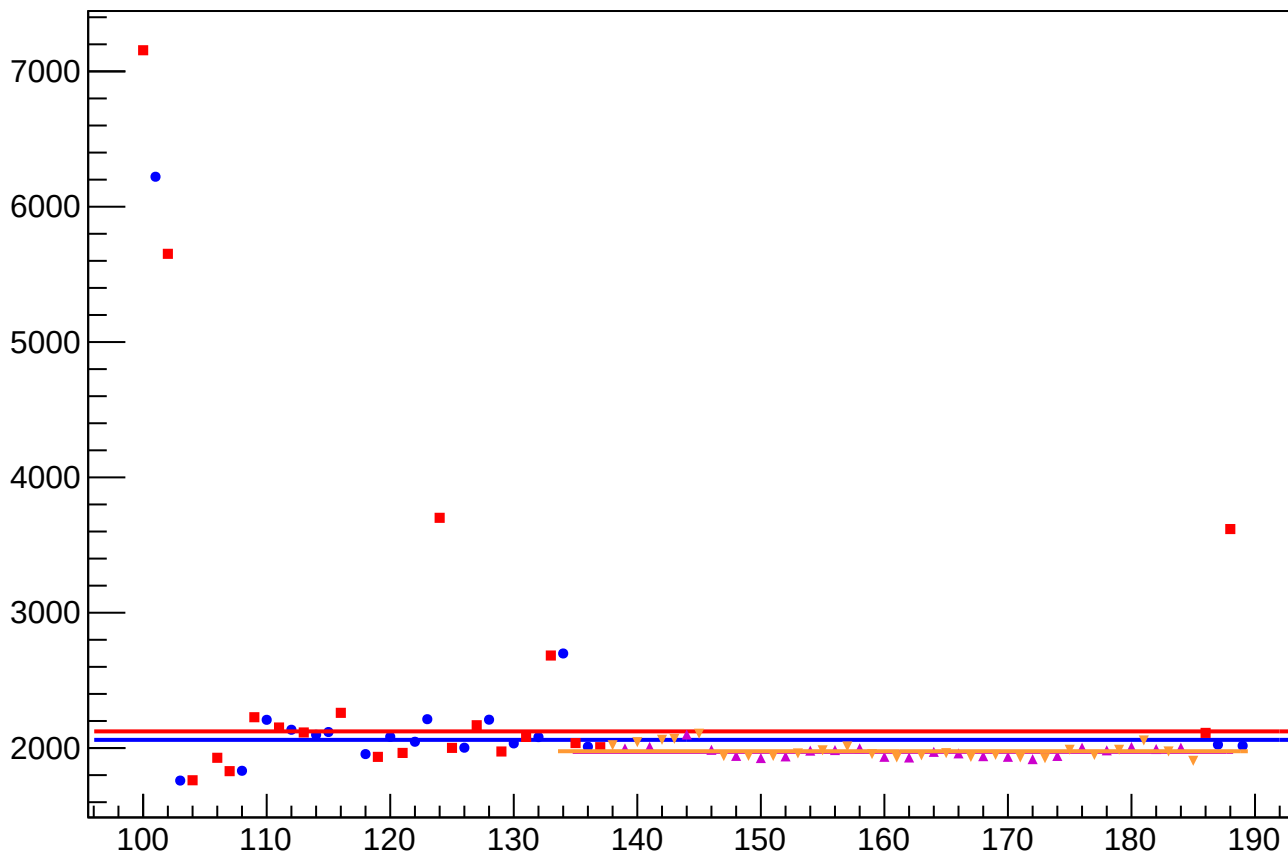
Right: 2477.802 $\pm$ 549.854 χ^2 /NDF: 31.3/39

In: 2892.301 $\pm$ 402.295 χ^2 /NDF:32.7/41

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

All: 2306.048 $\pm$ 282.650 χ^2 /NDF: 96.8/87

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 2060.496+/-0.549 χ^2/NDF : 606988.2/18

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

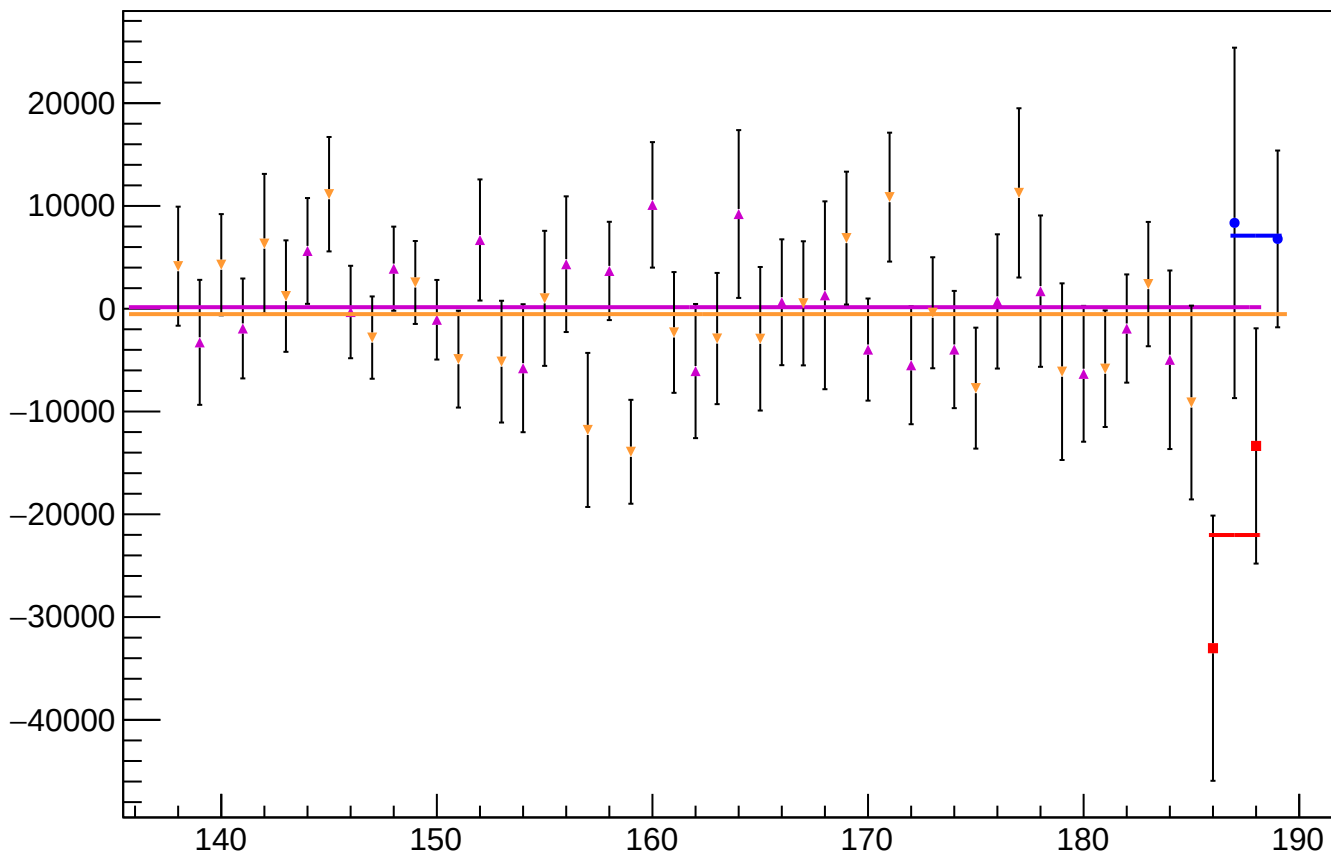
Right: 2091.777+/-0.389 χ^2/NDF : 1413139.1/39

In: 1995.376+/-0.284 χ^2/NDF : 640964.9/41

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

All: 2005.174+/-0.200 χ^2/NDF : 1517961.8/87

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: 7108.035 $\pm$ 7677.602 χ^2 /NDF: 0.0/1

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

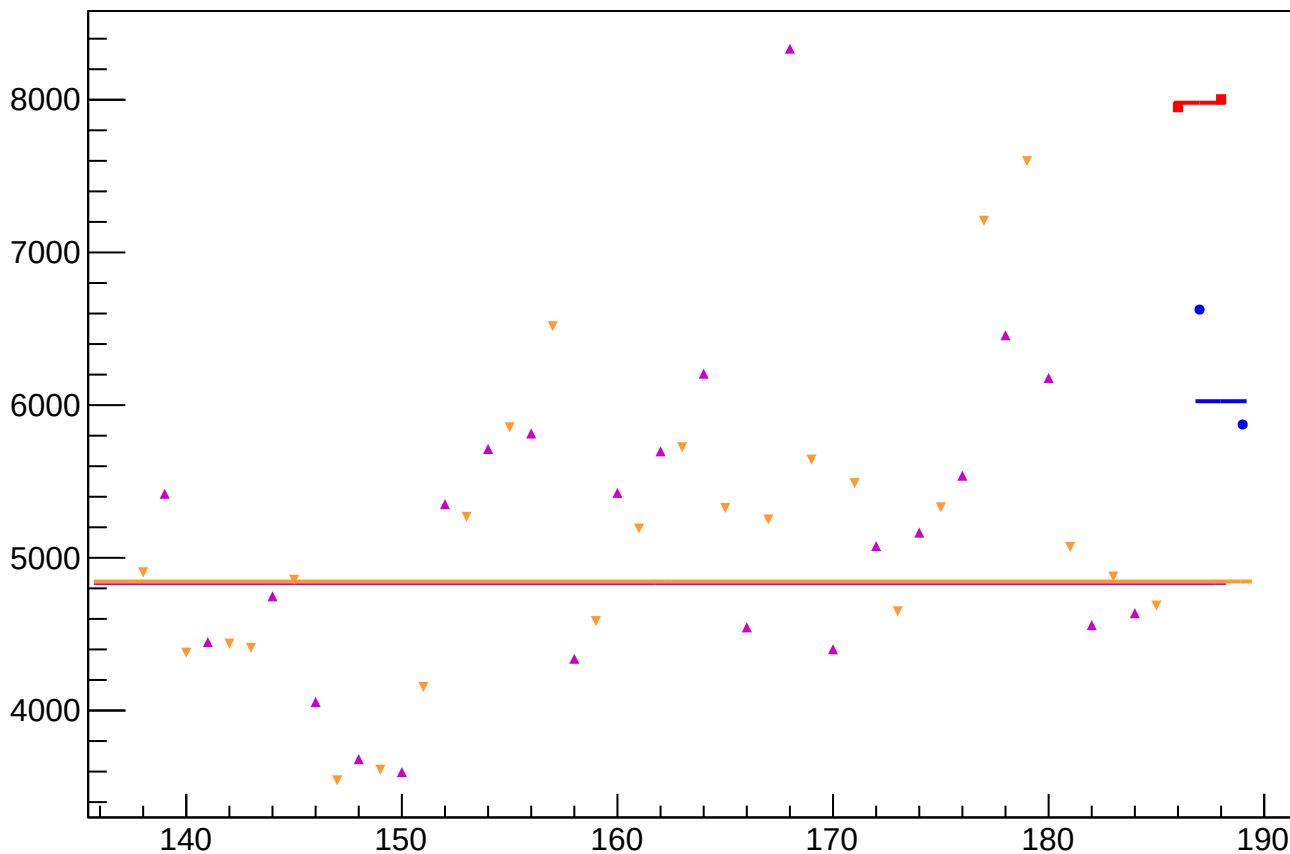
Right: -5873.682 $\pm$ 5715.815 χ^2 /NDF: 7.7/3

In: 309.906 $\pm$ 1161.685 χ^2 /NDF:15.0/24

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

All: -308.522 $\pm$ 815.636 χ^2 /NDF: 52.8/51

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 6025.625+/-5.429 χ^2/NDF : 3108.4/1

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

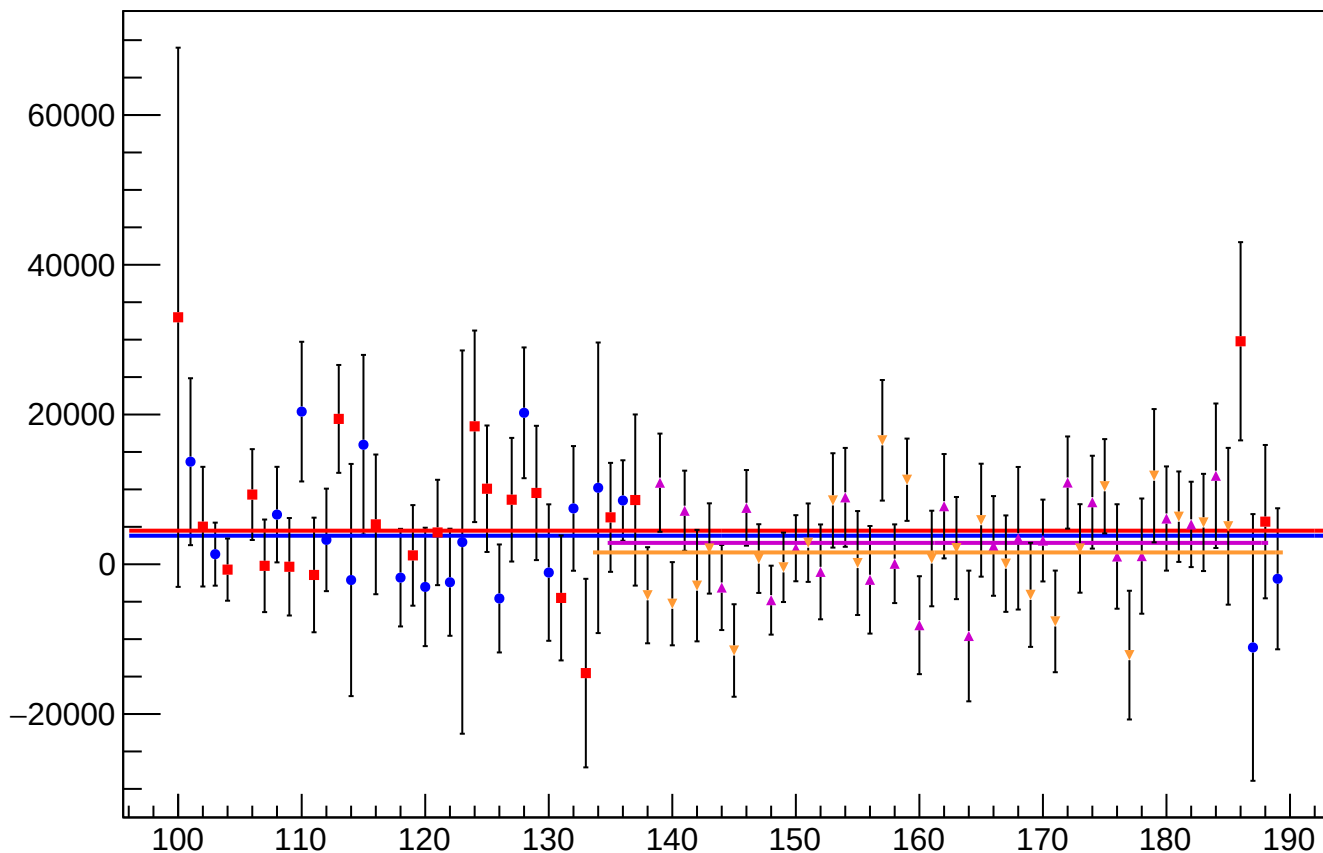
Right: 6896.921+/-4.042 χ^2/NDF : 60911.9/3

In: 4862.133+/-0.821 χ^2/NDF :1268807.4/24

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

All: 4881.825+/-0.577 χ^2/NDF : 2680354.2/51

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3812.652+/-1813.214 χ^2/NDF : 15.2/18

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

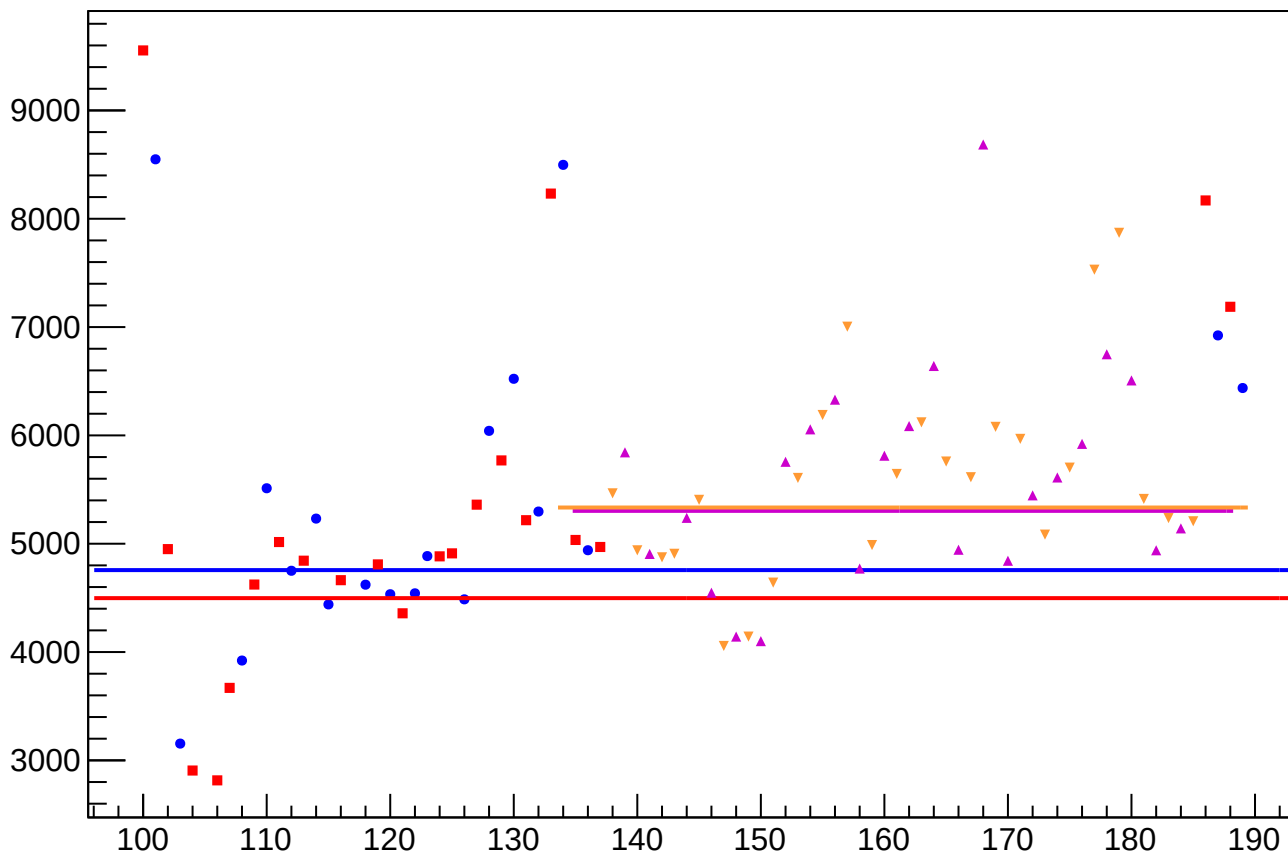
Right: 4174.303+/-1235.236 χ^2/NDF : 33.9/39

In: 3175.865+/-1047.945 χ^2/NDF : 33.5/41

Out: 2627.648+/-1012.708 χ^2/NDF : 45.7/45

All: 2892.385+/-728.231 χ^2/NDF : 79.3/87

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4756.442 $\pm$ 1.282 χ^2/NDF : 875741.1/18

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

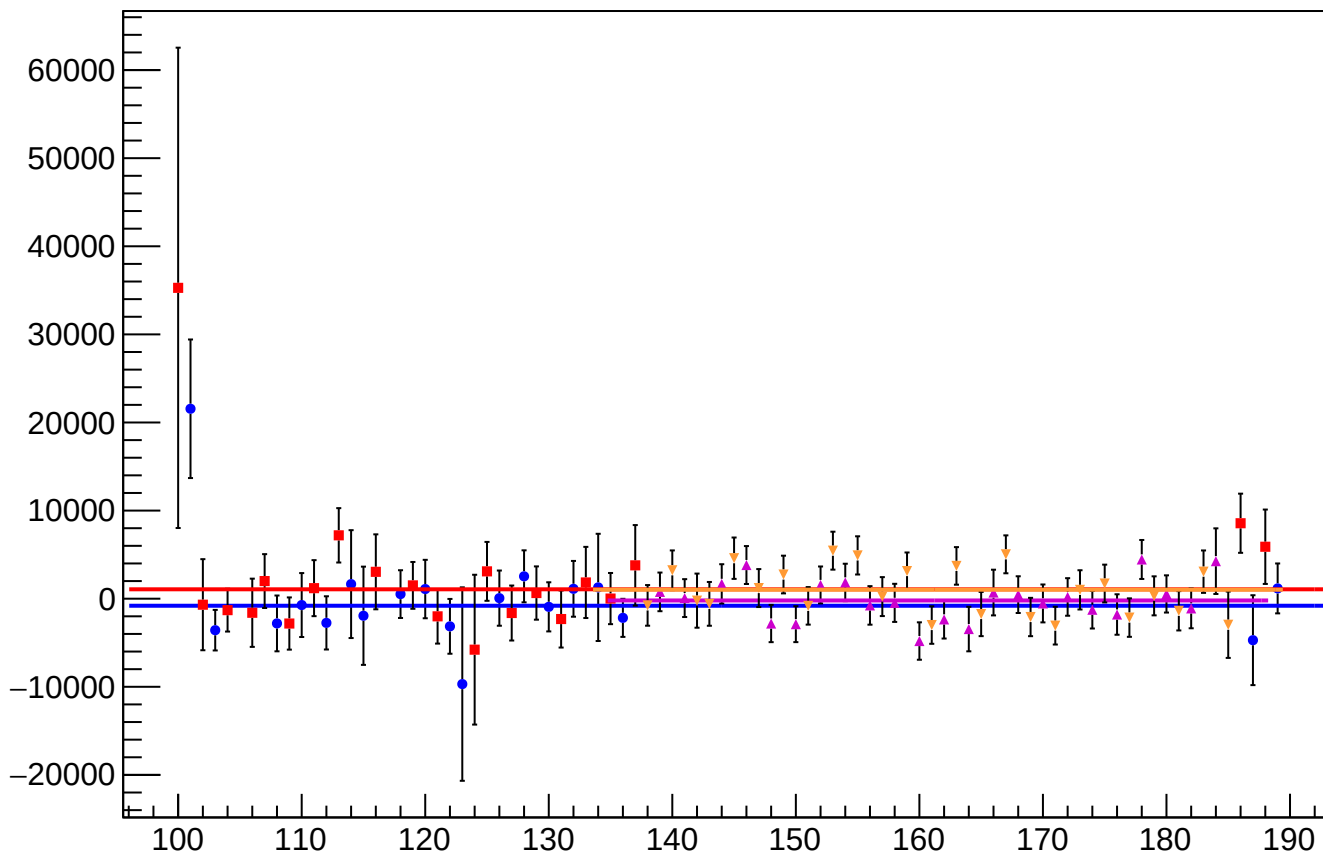
Right: 4617.045 $\pm$ 0.871 χ^2/NDF : 2034979.2/39

In: 5120.650 $\pm$ 0.741 χ^2/NDF : 1957260.8/41

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

All: 5074.068 $\pm$ 0.514 χ^2/NDF : 4284353.0/87

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -800.323 ± 758.673 $\chi^2/\text{NDF}: 15.7/18$

Left Out: 1020.295 ± 453.278 $\chi^2/\text{NDF}: 35.2/24$

Right Out: 1066.053 ± 748.571 $\chi^2/\text{NDF}: 19.8/20$

Left In: -201.463 ± 461.744 $\chi^2/\text{NDF}: 23.9/22$

Left: 420.720 ± 323.468 $\chi^2/\text{NDF}: 62.7/47$

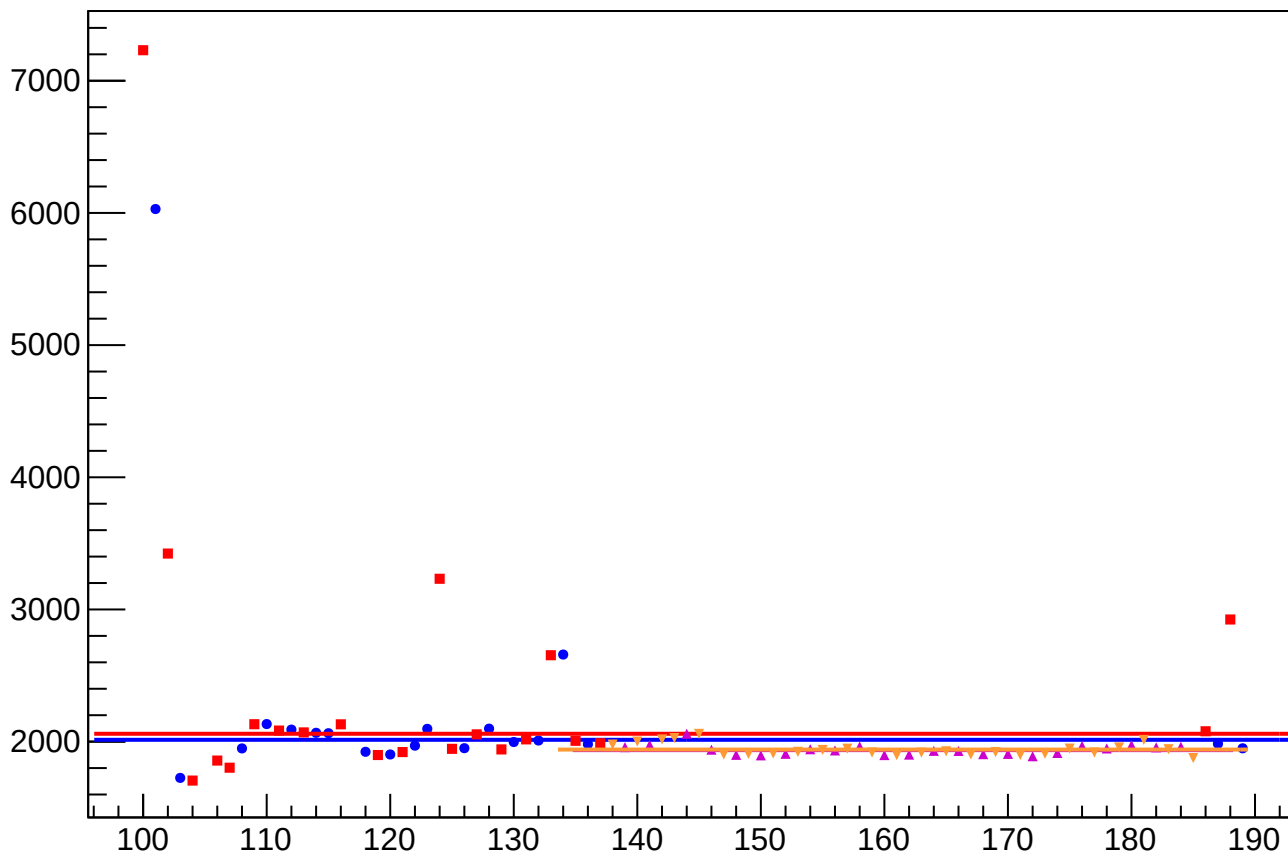
Right: 145.373 ± 532.855 $\chi^2/\text{NDF}: 38.5/39$

In: -363.333 ± 394.434 $\chi^2/\text{NDF}: 40.0/41$

Out: 1032.571 ± 387.734 $\chi^2/\text{NDF}: 55.0/45$

All: 346.576 ± 276.508 $\chi^2/\text{NDF}: 101.4/87$

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 2013.795 $\pm$ 0.536 χ^2 /NDF: 589050.8/18

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

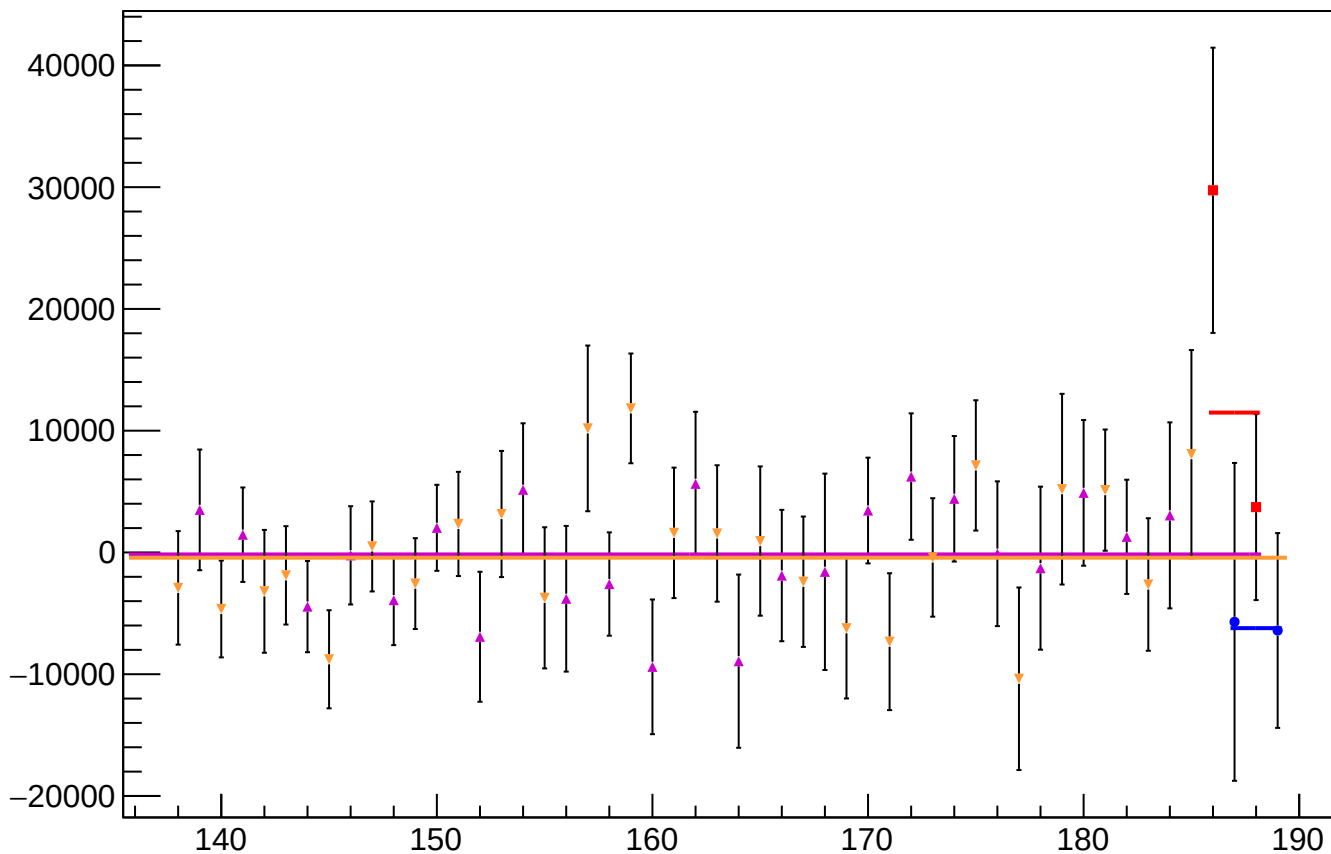
Right: 2036.990 $\pm$ 0.377 χ^2 /NDF: 1051730.9/39

In: 1956.898 $\pm$ 0.279 χ^2 /NDF: 618014.7/41

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

All: 1964.622 $\pm$ 0.195 χ^2 /NDF: 1134639.8/87

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: -6216.411+/-6820.307 χ^2/NDF : 0.0/1

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

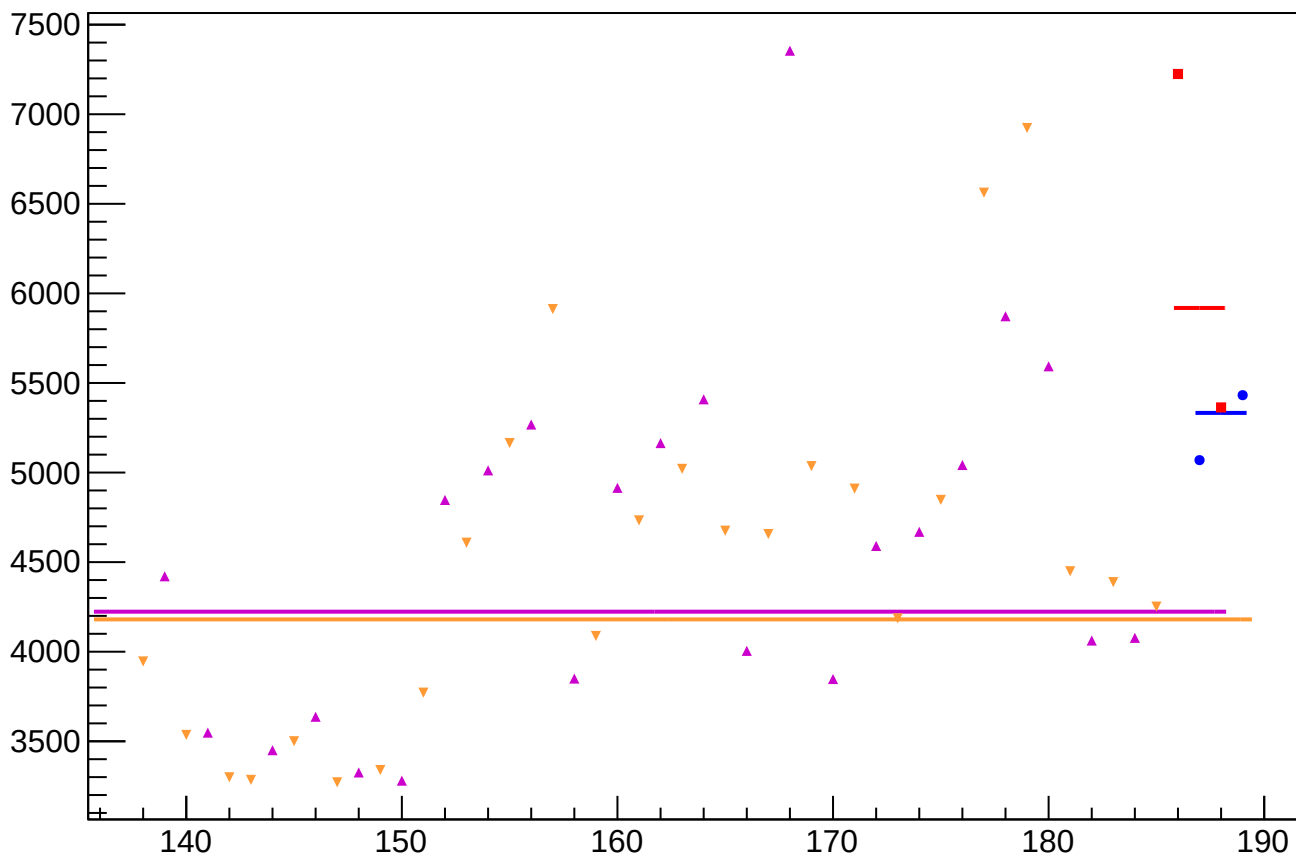
Right: 3200.608+/-4666.178 χ^2/NDF : 7.0/3

In: -298.066+/-1017.214 χ^2/NDF : 16.9/24

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

All: -220.527+/-709.119 χ^2/NDF : 50.9/51

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 5332.912 $\pm$ 4.823 χ^2 /NDF: 1122.1/1

Left Out: 4180.398 $\pm$ 0.708 χ^2 /NDF:1376701.5/24

Right Out: 5918.716 $\pm$ 4.524 χ^2 /NDF: 35431.2/1

Left In: 4223.398 $\pm$ 0.727 χ^2 /NDF:1346399.1/22

Left: 4201.313 $\pm$ 0.507 χ^2 /NDF: 2724895.4/47

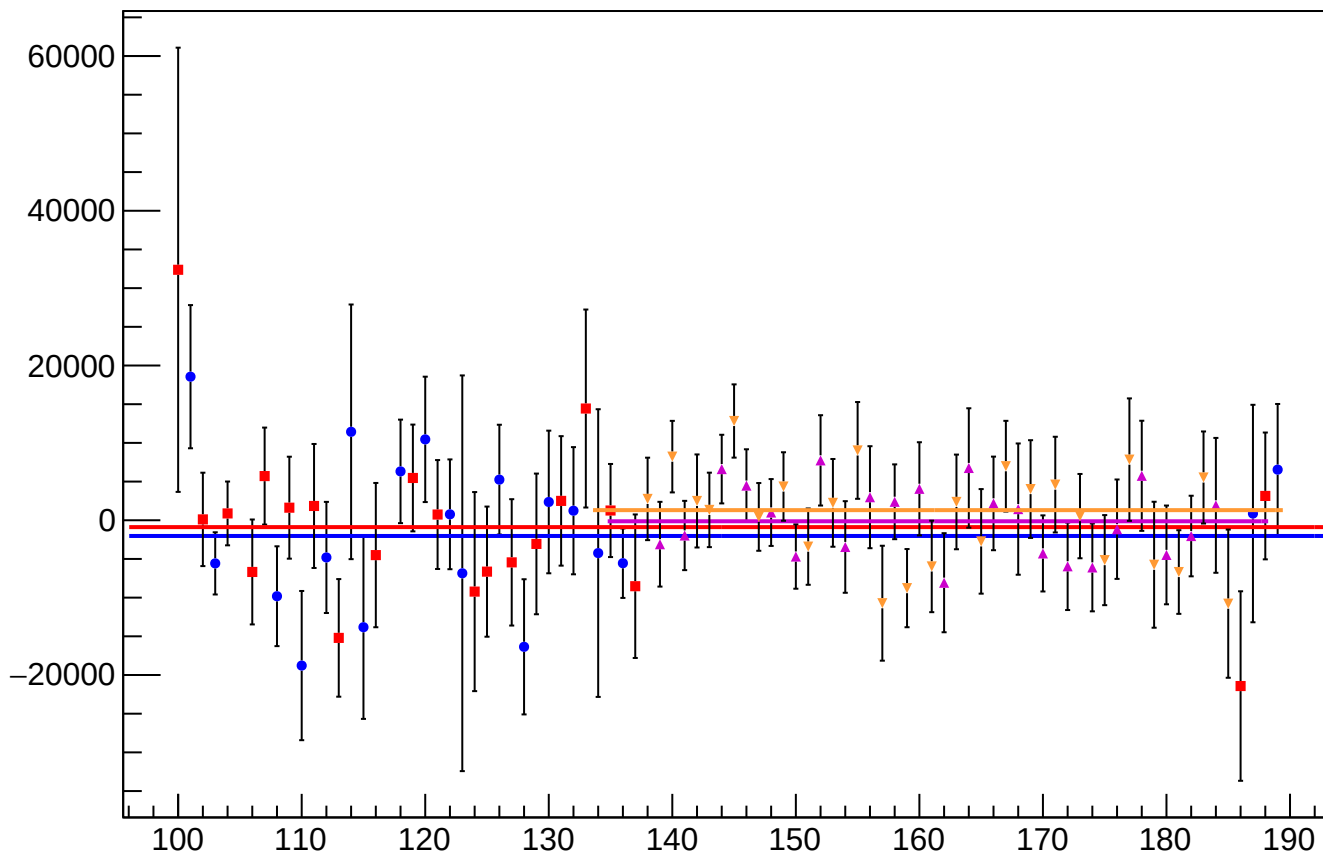
Right: 5644.516 $\pm$ 3.299 χ^2 /NDF: 44401.7/3

In: 4248.078 $\pm$ 0.719 χ^2 /NDF:1399272.2/24

Out: 4221.942 $\pm$ 0.699 χ^2 /NDF:1556248.6/26

All: 4234.643 $\pm$ 0.501 χ^2 /NDF: 2956199.4/51

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2030.611 $\pm$ 1744.710 χ^2 /NDF: 22.0/18

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

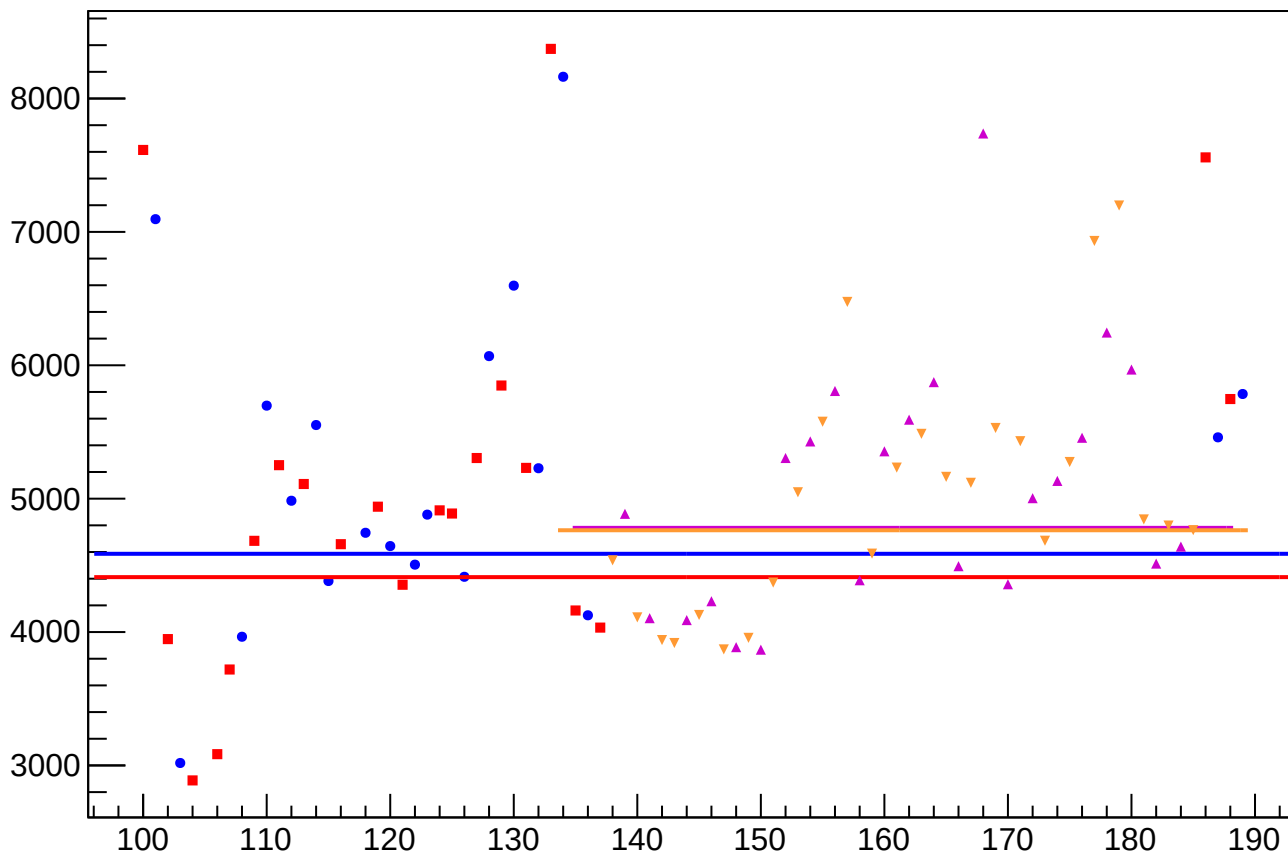
Right: -1422.917 $\pm$ 1194.995 χ^2 /NDF: 37.1/39

In: -711.715 $\pm$ 964.409 χ^2 /NDF: 37.6/41

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

All: -33.246 $\pm$ 669.974 χ^2 /NDF: 82.9/87

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4586.674+/-1.234 χ^2/NDF : 820651.0/18

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

Right Out: 4411.758+/-1.154 χ^2/NDF : 966255.8/20

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

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

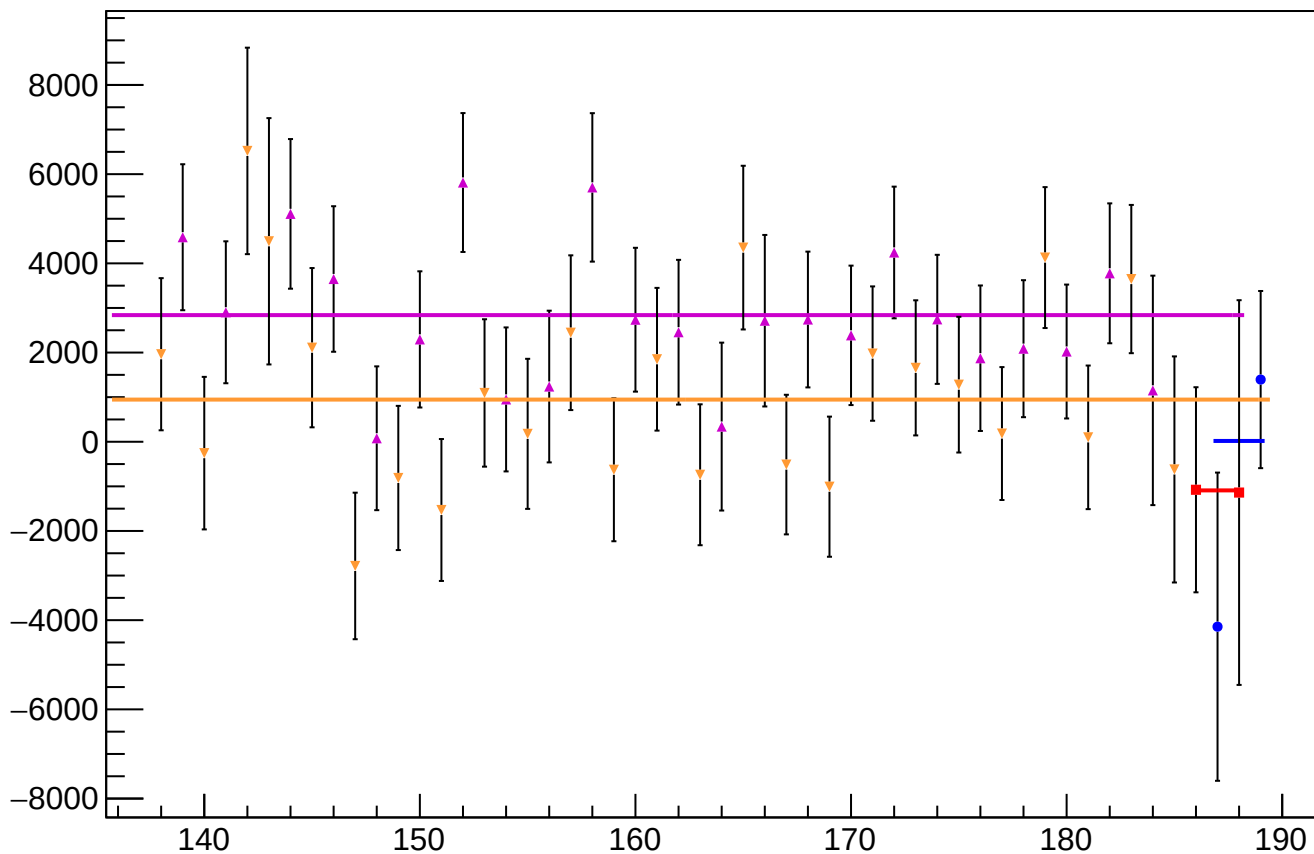
Right: 4493.359+/-0.843 χ^2/NDF : 1797631.1/39

In: 4721.744+/-0.682 χ^2/NDF : 1789453.9/41

Out: 4649.040+/-0.658 χ^2/NDF : 1970766.5/45

All: 4684.066+/-0.473 χ^2/NDF : 3766111.0/87

dit_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 18.160+/-1721.932 χ^2/NDF : 1.9/1

Left Out: 945.522+/-335.741 χ^2/NDF : 35.1/24

Right Out: -1090.443+/-2028.918 χ^2/NDF : 0.0/1

Left In: 2839.506+/-338.801 χ^2/NDF : 19.6/22

Left: 1883.923+/-238.480 χ^2/NDF : 70.5/47

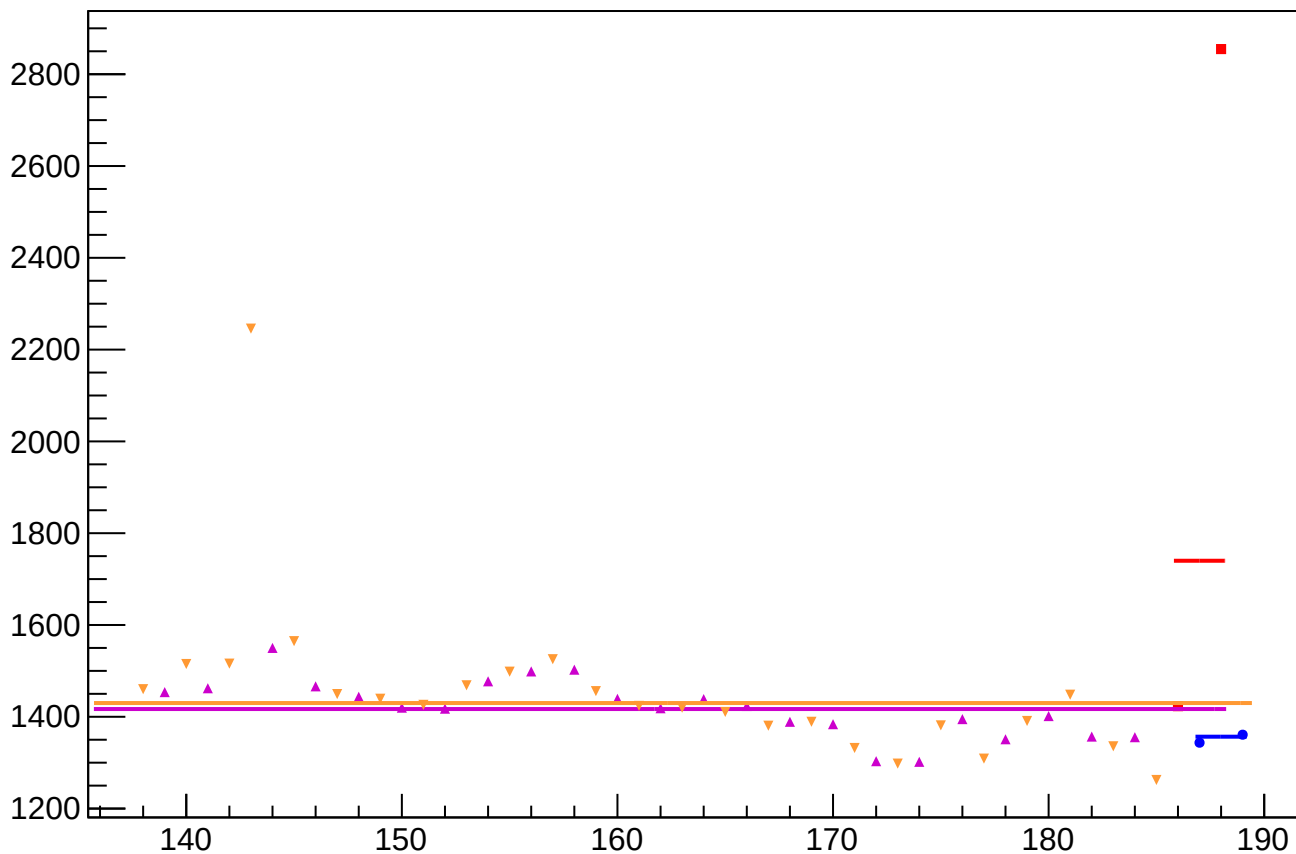
Right: -446.012+/-1312.853 χ^2/NDF : 2.1/3

In: 2734.354+/-332.428 χ^2/NDF : 24.2/24

Out: 891.257+/-331.237 χ^2/NDF : 36.1/26

All: 1809.498+/-234.640 χ^2/NDF : 75.7/51

dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1356.627 $\pm$ 1.218 χ^2 /NDF: 38.3/1

Left Out: 1429.945 $\pm$ 0.237 χ^2 /NDF: 264824.6/24

Right Out: 1739.957 $\pm$ 1.435 χ^2 /NDF: 171608.5/1

Left In: 1416.873 $\pm$ 0.240 χ^2 /NDF: 65421.7/22

Left: 1423.468 $\pm$ 0.169 χ^2 /NDF: 331748.6/47

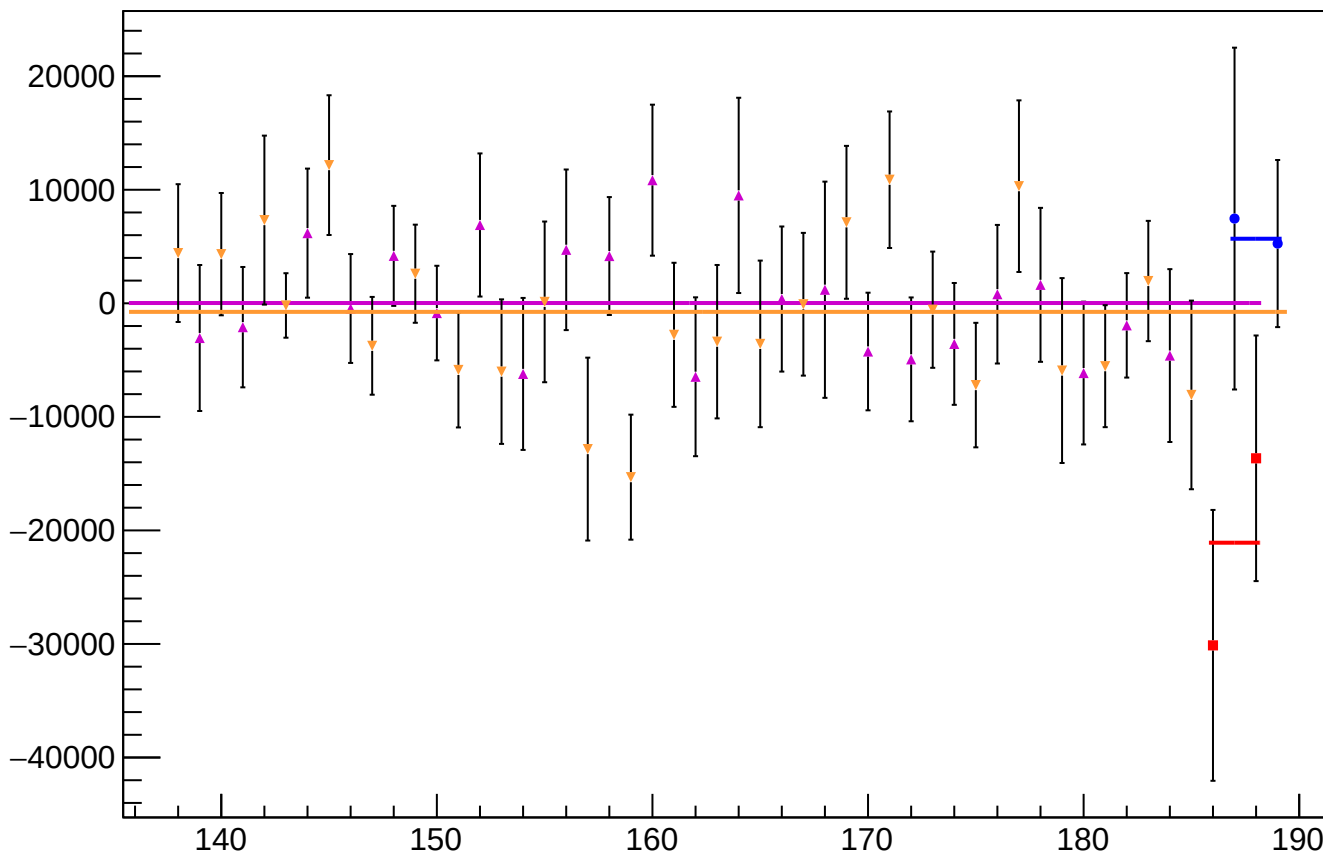
Right: 1517.127 $\pm$ 0.928 χ^2 /NDF: 213146.7/3

In: 1414.627 $\pm$ 0.235 χ^2 /NDF: 67817.0/24

Out: 1438.208 $\pm$ 0.234 χ^2 /NDF: 481882.3/26

All: 1426.460 $\pm$ 0.166 χ^2 /NDF: 554749.0/51

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



Right In: 5686.070+/-6611.052 χ^2/NDF : 0.0/1

Left Out: -754.058+/-1118.796 χ^2/NDF :30.6/24

Right Out: -21083.177+/-8011.848 χ^2/NDF : 1.0/1

Left In: 25.920+/-1208.952 χ^2/NDF :13.9/22

Left: -394.233+/-821.133 χ^2/NDF : 44.7/47

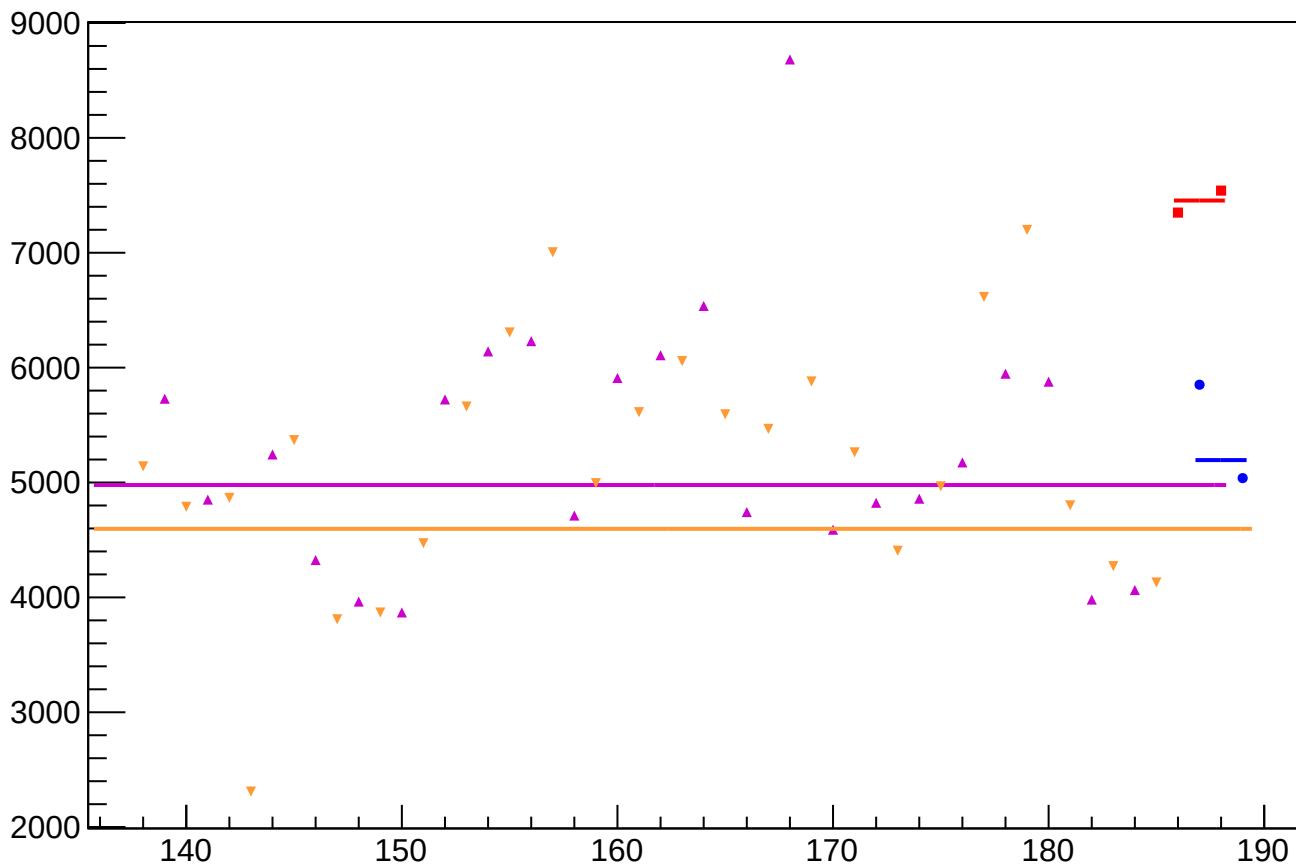
Right: -5157.521+/-5099.190 χ^2/NDF : 7.7/3

In: 209.075+/-1189.232 χ^2/NDF :14.7/24

Out: -1142.896+/-1108.045 χ^2/NDF :38.0/26

All: -514.630+/-810.689 χ^2/NDF : 53.3/51

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



Right In: 5195.126+/-4.675 χ^2/NDF : 4708.1/1

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

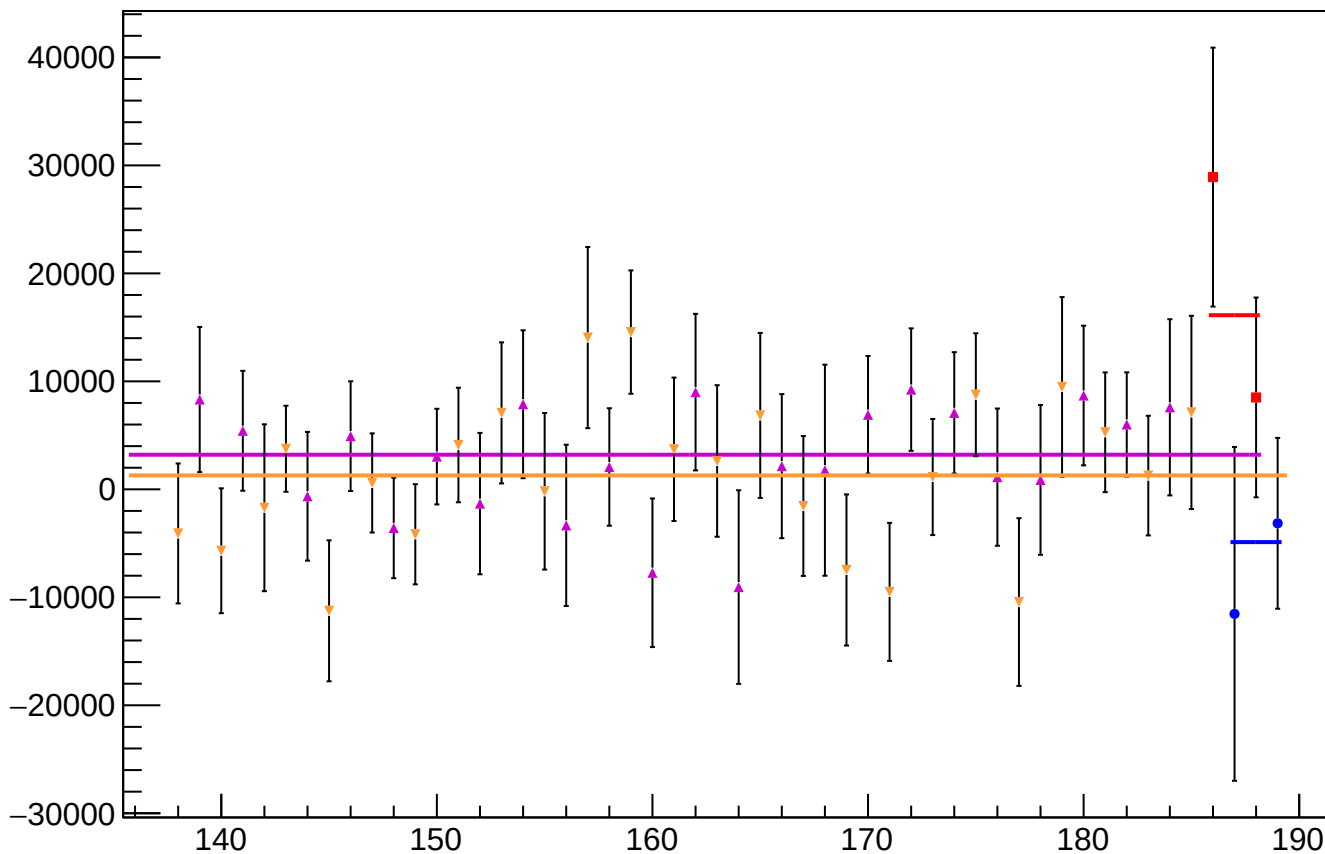
Right: 6110.381+/-3.606 χ^2/NDF : 99622.5/3

In: 4985.157+/-0.841 χ^2/NDF : 1164287.8/24

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

All: 4806.635+/-0.573 χ^2/NDF : 4027722.8/51

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: -4887.703+/-7041.812 χ^2/NDF : 0.2/1

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

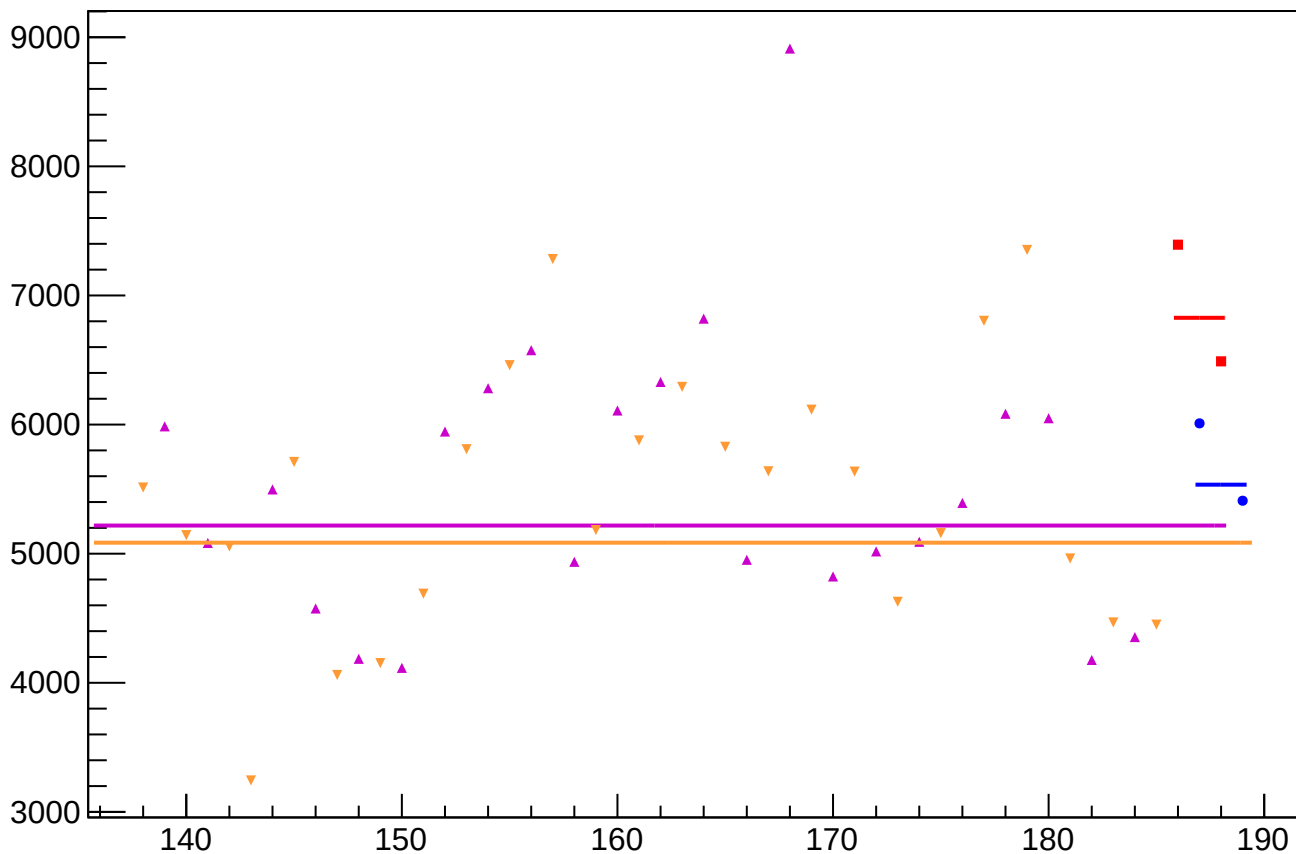
Right: 5206.639+/-5076.181 χ^2/NDF : 6.3/3

In: 2952.130+/-1245.629 χ^2/NDF : 15.4/24

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

All: 2297.200+/-863.966 χ^2/NDF : 49.5/51

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 5534.544+/-4.979 χ^2/NDF : 2381.3/1

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

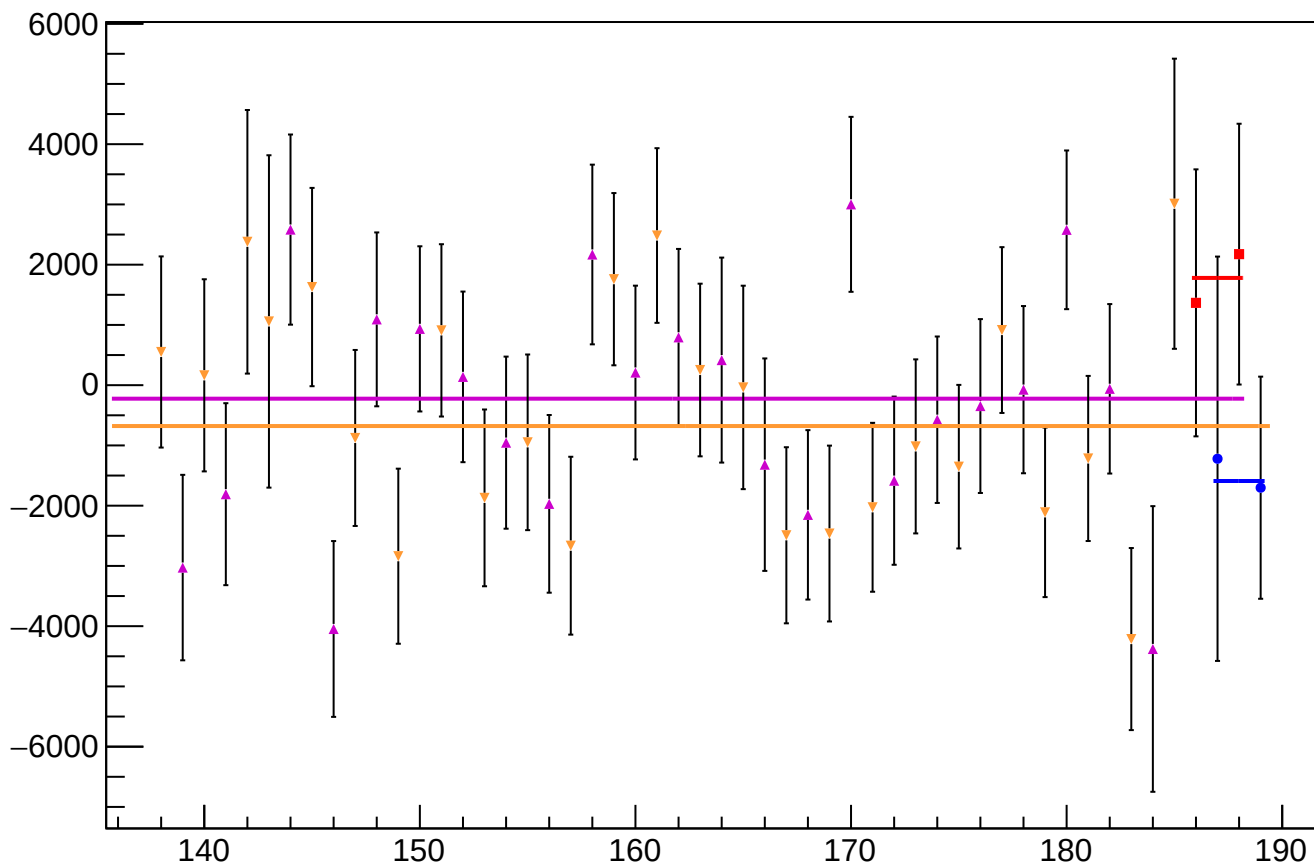
Right: 6155.389+/-3.589 χ^2/NDF : 41865.3/3

In: 5227.877+/-0.881 χ^2/NDF :1065293.1/24

Out: 5132.011+/-0.848 χ^2/NDF :1473886.9/26

All: 5178.130+/-0.611 χ^2/NDF : 2545327.2/51

dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -1590.431 $\pm$ 1615.643 χ^2 /NDF: 0.0/1

Left Out: -678.239 $\pm$ 304.647 χ^2 /NDF:34.0/24

Right Out: 1780.129 $\pm$ 1548.240 χ^2 /NDF: 0.1/1

Left In: -224.118 $\pm$ 308.124 χ^2 /NDF:36.9/22

Left: -453.755 $\pm$ 216.637 χ^2 /NDF: 72.0/47

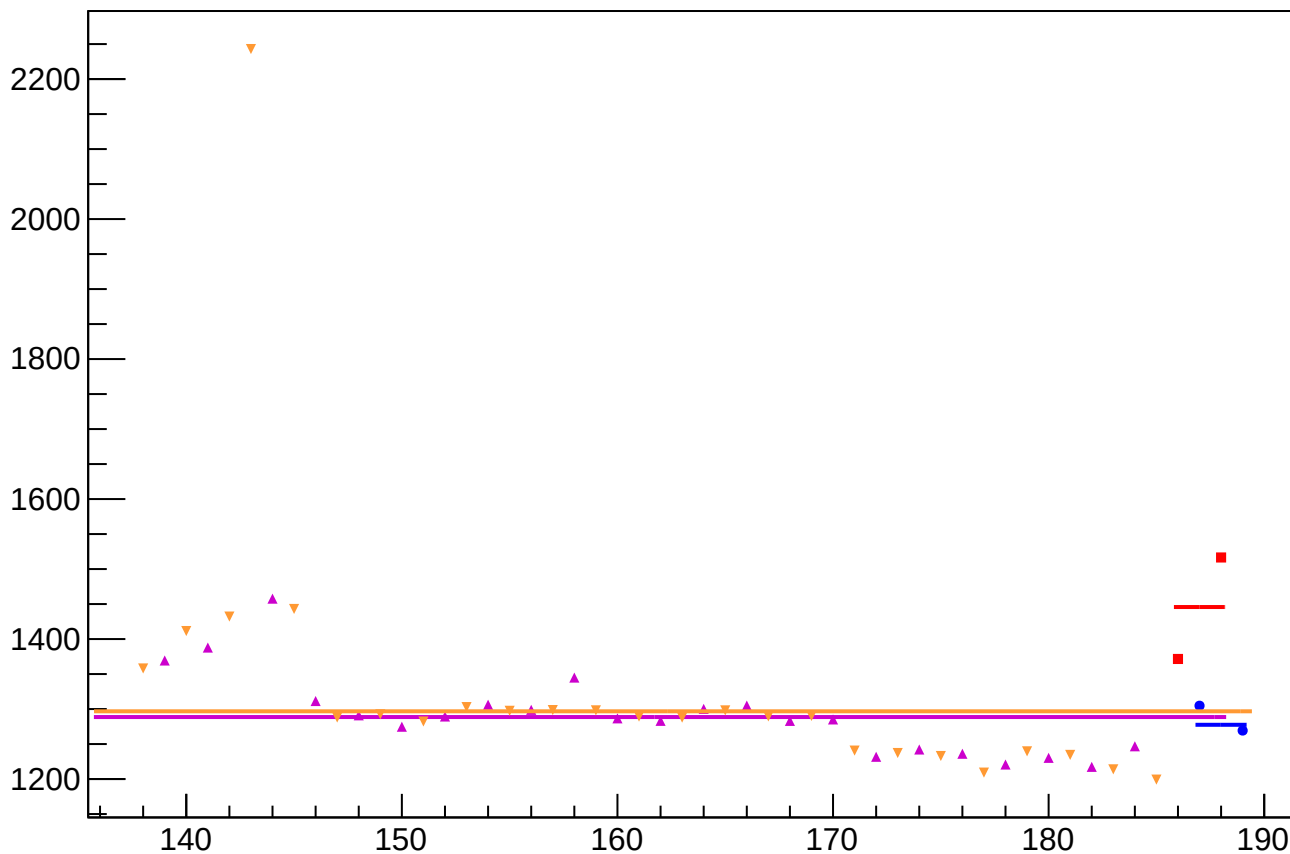
Right: 166.622 $\pm$ 1117.840 χ^2 /NDF: 2.4/3

In: -272.069 $\pm$ 302.669 χ^2 /NDF:37.6/24

Out: -586.603 $\pm$ 298.915 χ^2 /NDF:36.5/26

All: -431.298 $\pm$ 212.680 χ^2 /NDF: 74.6/51

dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1277.508+/-1.142 χ^2/NDF : 171.8/1

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

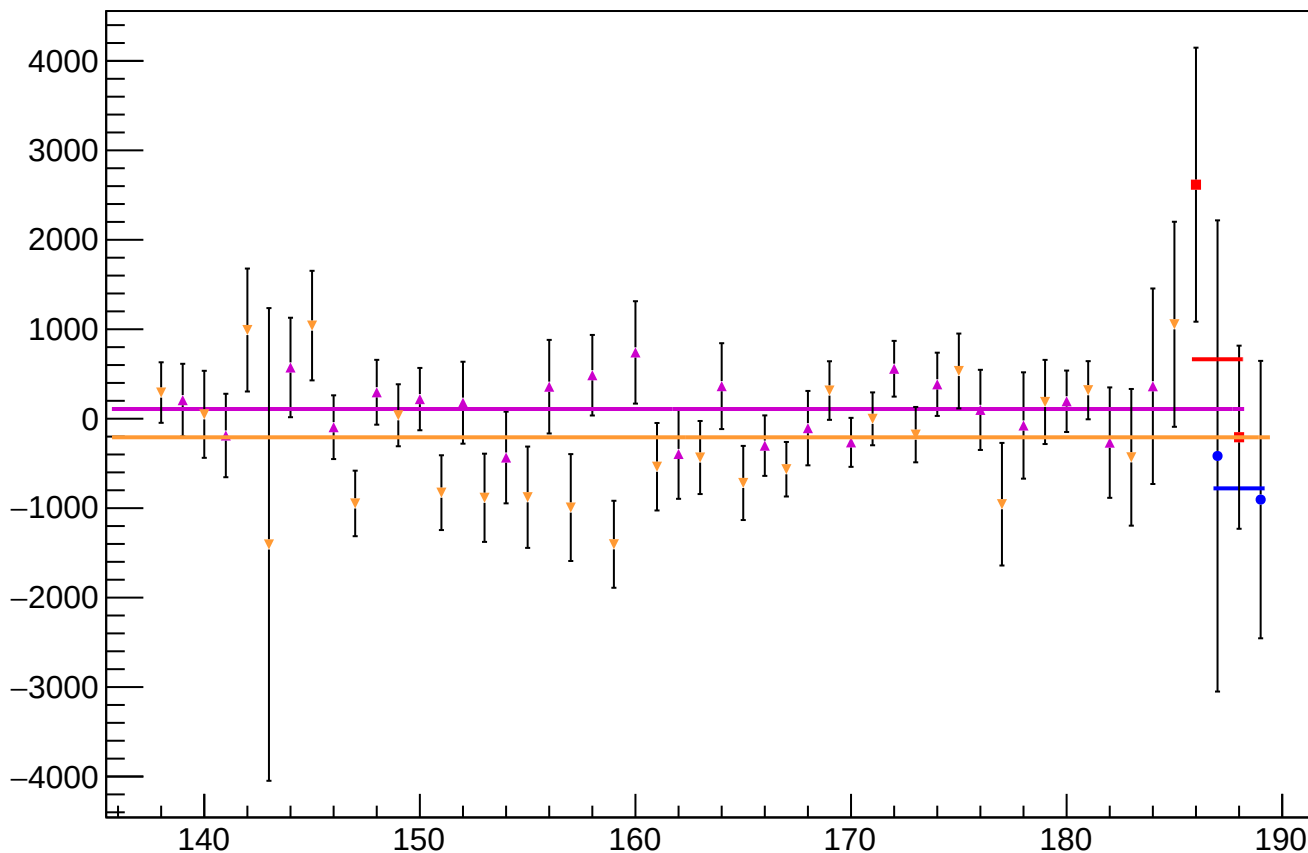
Right: 1365.211+/-0.790 χ^2/NDF : 15859.5/3

In: 1288.189+/-0.214 χ^2/NDF : 64329.1/24

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

All: 1295.349+/-0.150 χ^2/NDF : 397281.1/51

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



Right In: -778.636+/-1336.259 χ^2/NDF : 0.0/1

Left Out: -207.768+/-85.771 χ^2/NDF : 43.3/24

Right Out: 664.549+/-851.034 χ^2/NDF : 2.3/1

Left In: 108.502+/-87.013 χ^2/NDF : 13.3/22

Left: -51.905+/-61.084 χ^2/NDF : 63.4/47

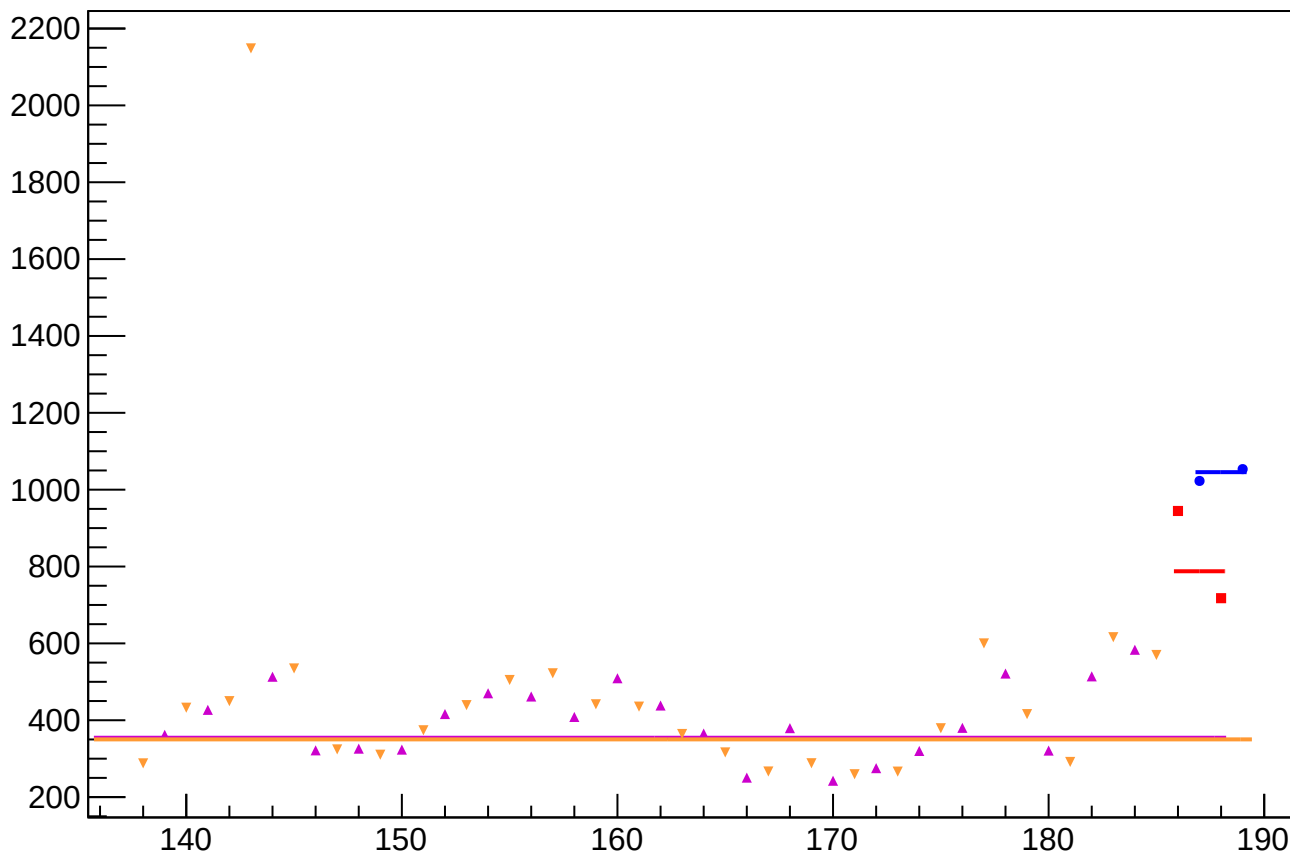
Right: 248.093+/-717.817 χ^2/NDF : 3.2/3

In: 104.756+/-86.829 χ^2/NDF : 13.8/24

Out: -198.996+/-85.339 χ^2/NDF : 46.7/26

All: -49.748+/-60.864 χ^2/NDF : 66.7/51

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



Right In: 1045.603+/-0.945 χ^2/NDF : 202.7/1

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 χ^2/NDF : 4895150.4/47

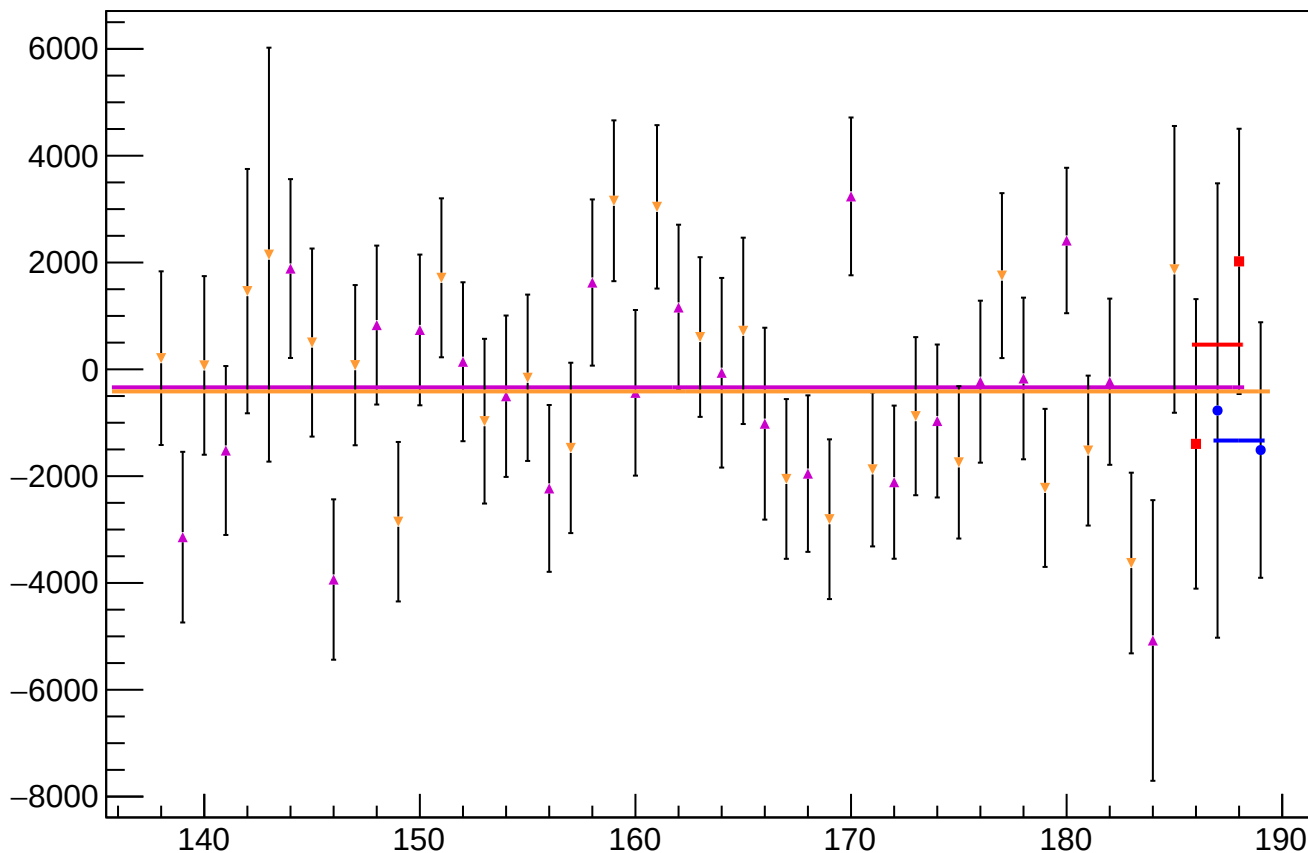
Right: 862.111+/-0.508 χ^2/NDF : 83565.1/3

In: 357.379+/-0.061 χ^2/NDF :2327480.5/24

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

All: 355.968+/-0.043 χ^2/NDF : 5980287.0/51

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -1333.108+/-2085.300 χ^2/NDF : 0.0/1

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

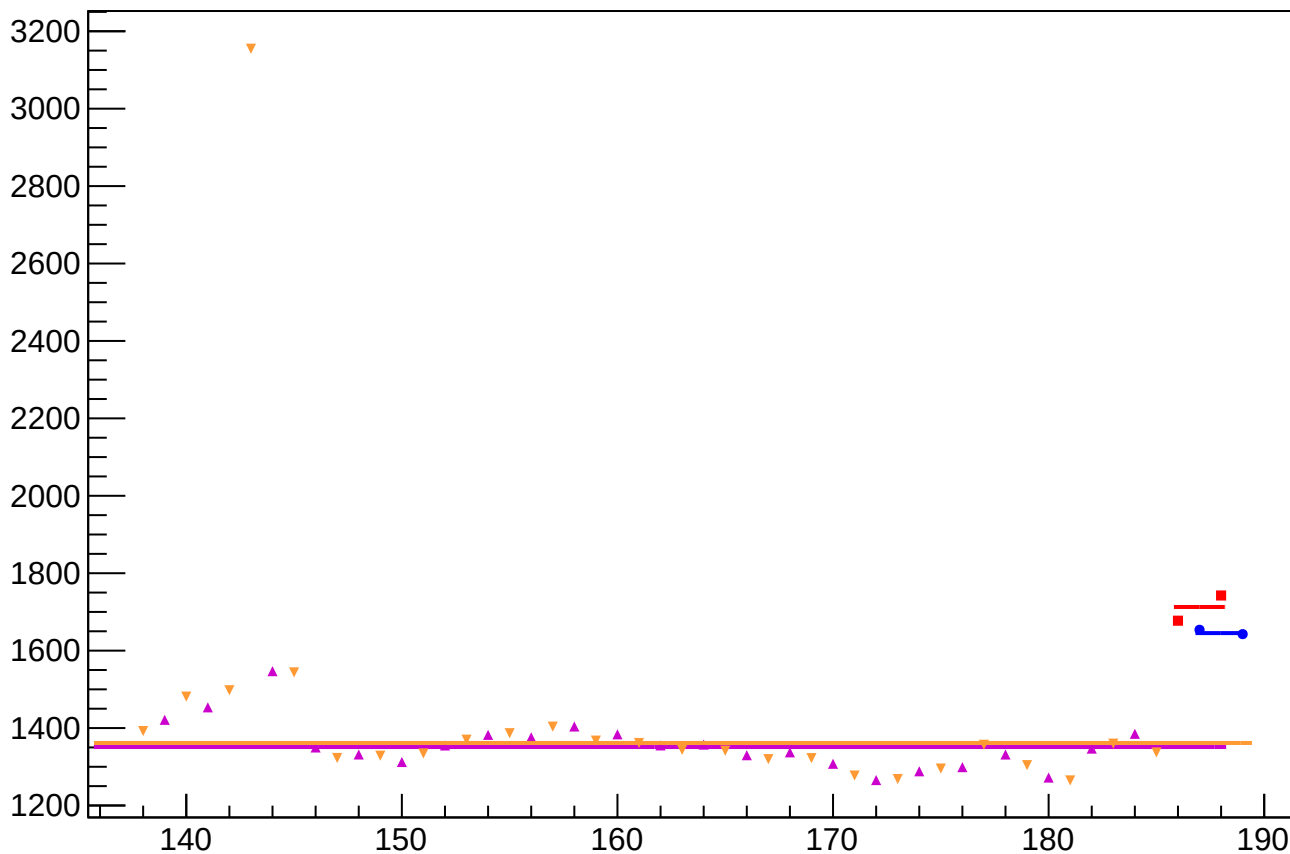
Right: -319.300+/-1375.922 χ^2/NDF : 1.3/3

In: -360.530+/-319.216 χ^2/NDF : 33.0/24

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

All: -374.079+/-224.527 χ^2/NDF : 66.9/51

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1645.331+/-1.475 χ^2/NDF : 10.6/1

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

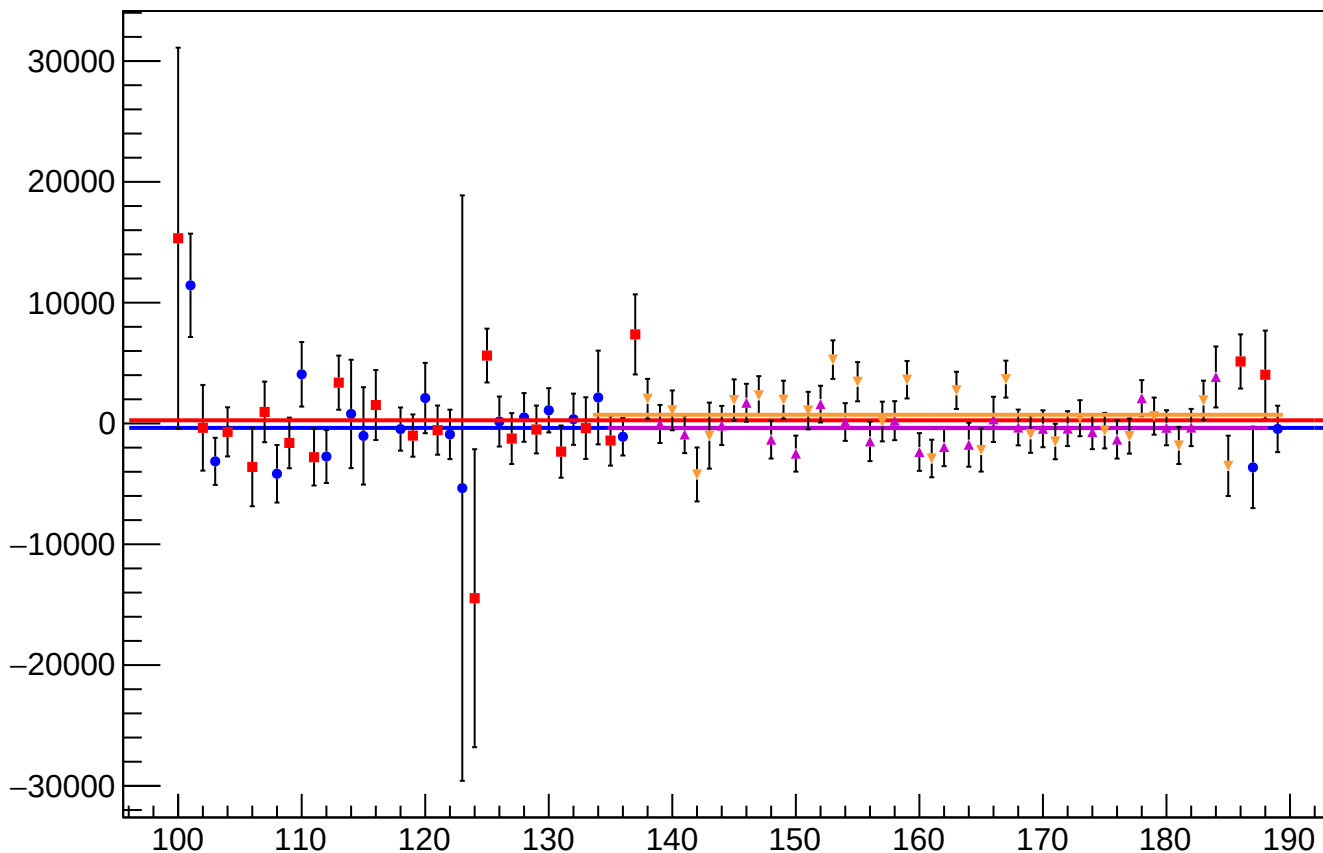
Right: 1683.404+/-0.973 χ^2/NDF : 1819.7/3

In: 1357.909+/-0.226 χ^2/NDF : 107896.0/24

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

All: 1365.010+/-0.159 χ^2/NDF : 689756.7/51

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -366.750+/-537.251 χ^2/NDF : 19.6/18

Left Out: 719.996+/-325.895 χ^2/NDF : 48.2/24

Right Out: 262.105+/-532.293 χ^2/NDF : 28.4/20

Left In: -384.154+/-329.218 χ^2/NDF : 16.1/22

Left: 173.521+/-231.608 χ^2/NDF : 69.9/47

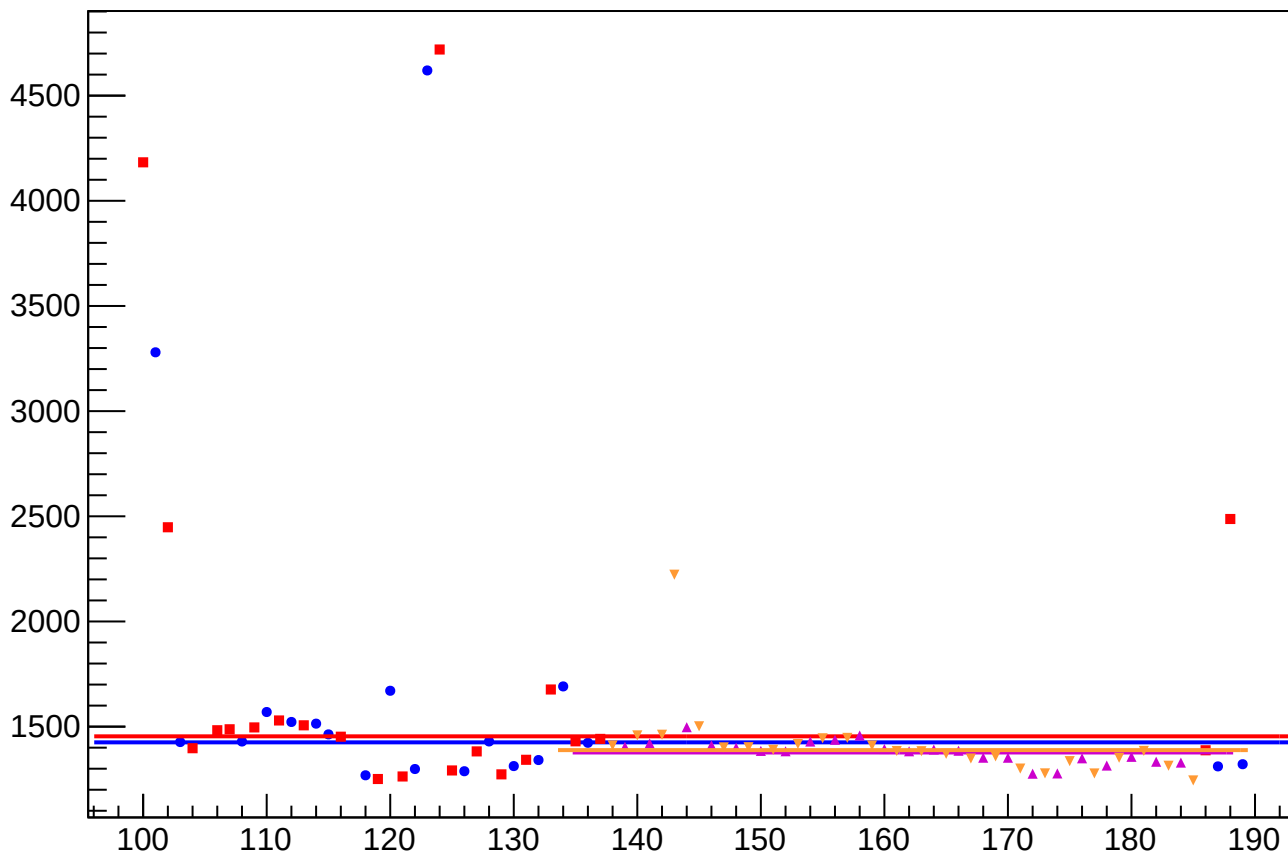
Right: -49.407+/-378.129 χ^2/NDF : 48.7/39

In: -379.403+/-280.707 χ^2/NDF : 35.7/41

Out: 595.154+/-277.940 χ^2/NDF : 77.1/45

All: 112.702+/-197.504 χ^2/NDF : 118.9/87

dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1425.275 $\pm$ 0.380 χ^2 /NDF: 495551.1/18

Left Out: 1388.373 $\pm$ 0.230 χ^2 /NDF: 253925.2/24

Right Out: 1453.923 $\pm$ 0.376 χ^2 /NDF: 619471.4/20

Left In: 1377.178 $\pm$ 0.233 χ^2 /NDF: 52477.1/22

Left: 1382.832 $\pm$ 0.164 χ^2 /NDF: 307570.2/47

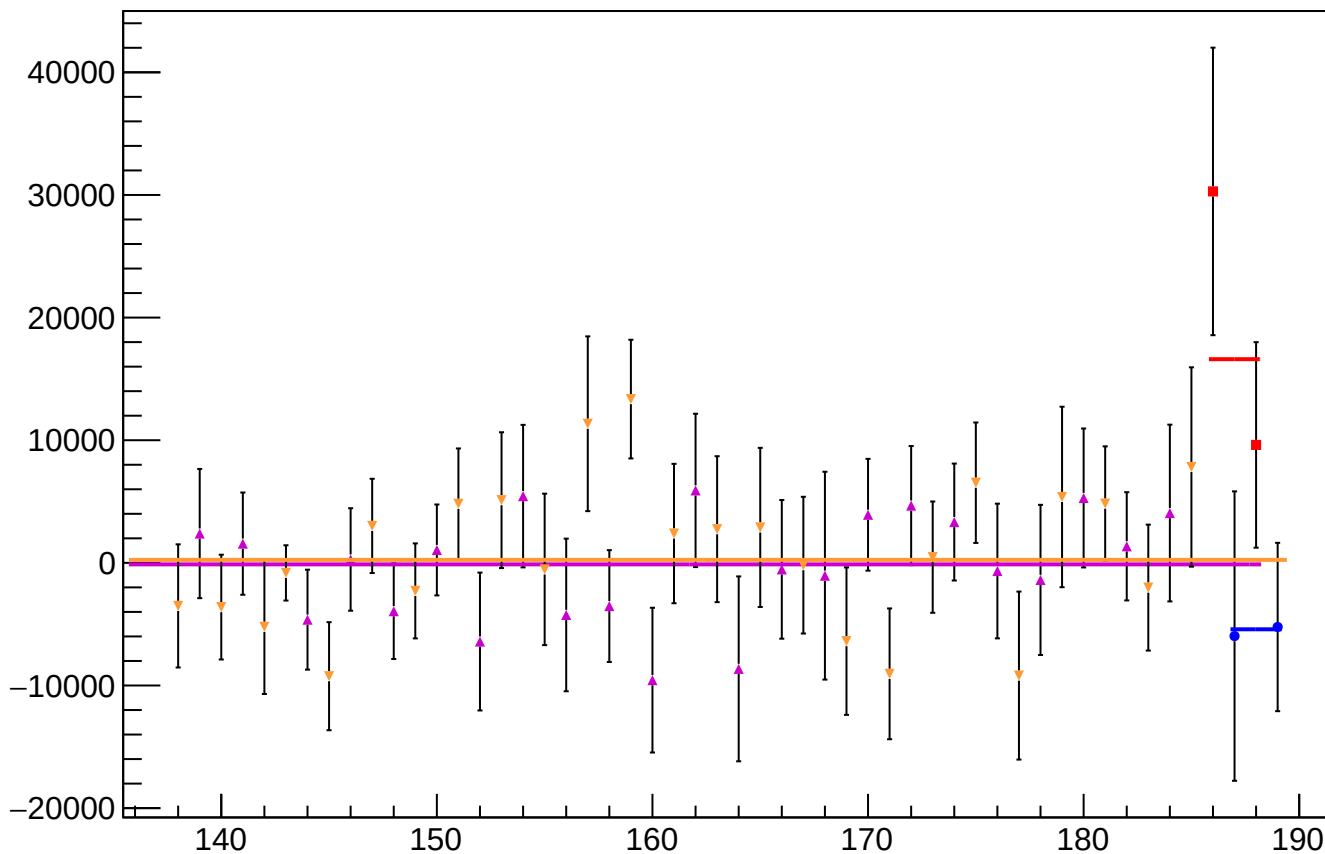
Right: 1439.740 $\pm$ 0.267 χ^2 /NDF: 1117893.8/39

In: 1390.308 $\pm$ 0.198 χ^2 /NDF: 559681.3/41

Out: 1406.259 $\pm$ 0.197 χ^2 /NDF: 895475.2/45

All: 1398.364 $\pm$ 0.140 χ^2 /NDF: 1458418.0/87

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



Right In: -5417.677 ± 5933.037 $\chi^2/\text{NDF}: 0.0/1$

Left Out: 244.145 ± 958.930 $\chi^2/\text{NDF}: 30.5/24$

Right Out: 16608.301 ± 6817.149 $\chi^2/\text{NDF}: 2.1/1$

Left In: -123.071 ± 1055.240 $\chi^2/\text{NDF}: 14.3/22$

Left: 78.056 ± 709.678 $\chi^2/\text{NDF}: 44.9/47$

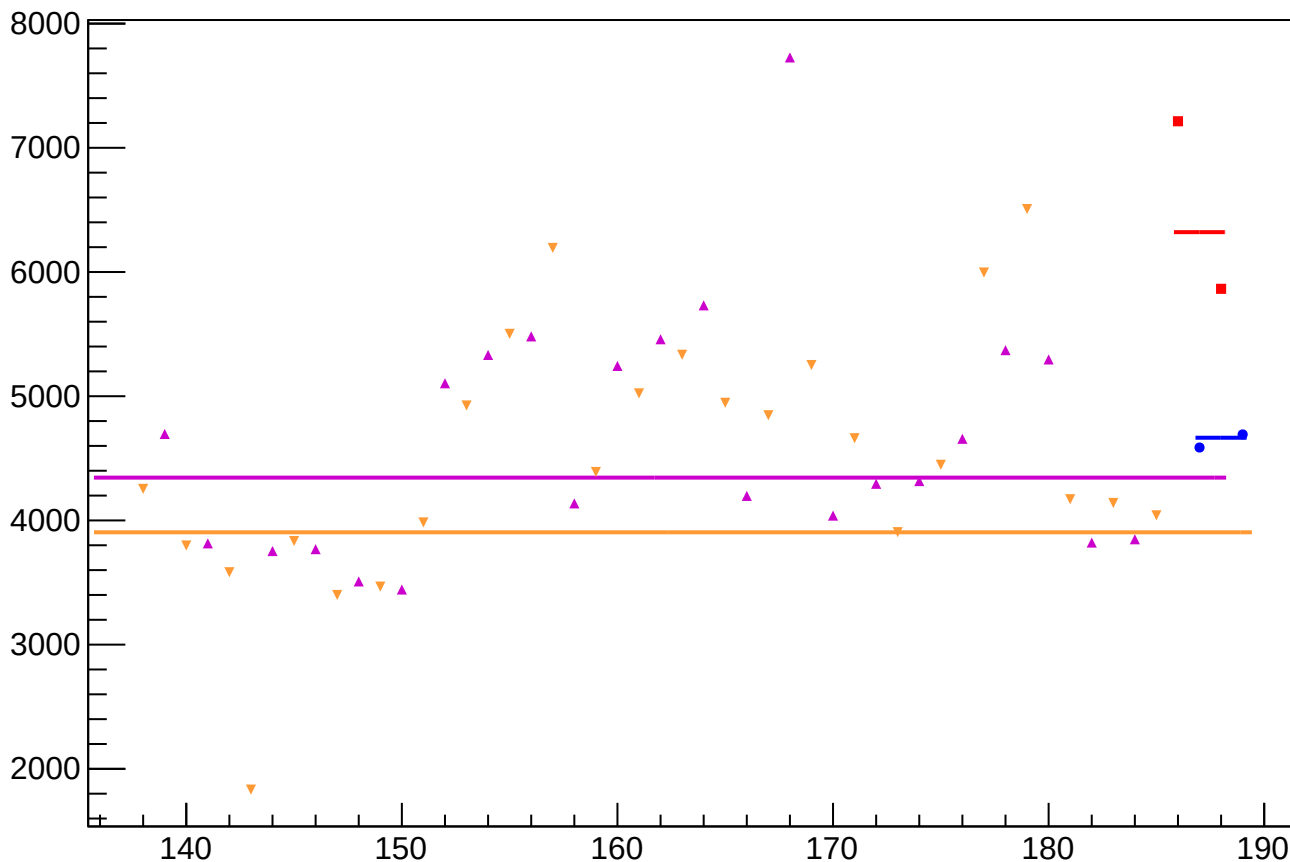
Right: 4075.315 ± 4475.450 $\chi^2/\text{NDF}: 8.0/3$

In: -285.422 ± 1038.935 $\chi^2/\text{NDF}: 15.1/24$

Out: 561.651 ± 949.582 $\chi^2/\text{NDF}: 38.3/26$

All: 176.101 ± 700.920 $\chi^2/\text{NDF}: 53.7/51$

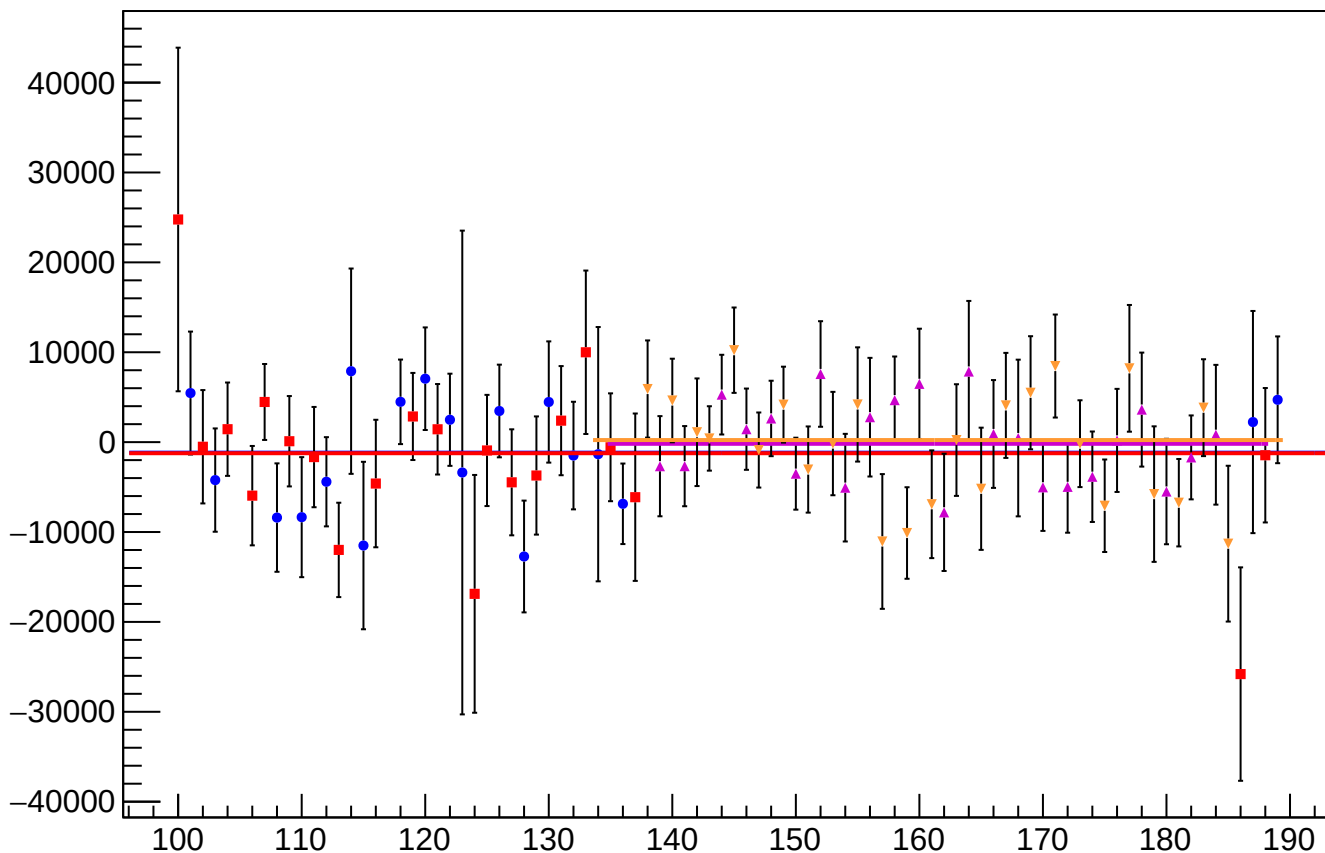
asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



Right In: 4665.780 +/- 4.195 χ^2/NDF : 119.2/1
 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: 5379.151 +/- 3.165 χ^2/NDF : 84735.8/3
 In: 4354.487 +/- 0.735 χ^2/NDF : 1165982.4/24
 Out: 3951.331 +/- 0.671 χ^2/NDF : 3375628.1/26
 All: 4134.830 +/- 0.496 χ^2/NDF : 4705696.8/51

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1171.205 ± 1456.137 $\chi^2/\text{NDF}: 17.5/18$

Left Out: 229.897 ± 1073.528 $\chi^2/\text{NDF}: 28.1/24$

Right Out: -1233.245 ± 1347.287 $\chi^2/\text{NDF}: 18.5/20$

Left In: -185.280 ± 1119.296 $\chi^2/\text{NDF}: 14.3/22$

Left: 30.970 ± 774.774 $\chi^2/\text{NDF}: 42.5/47$

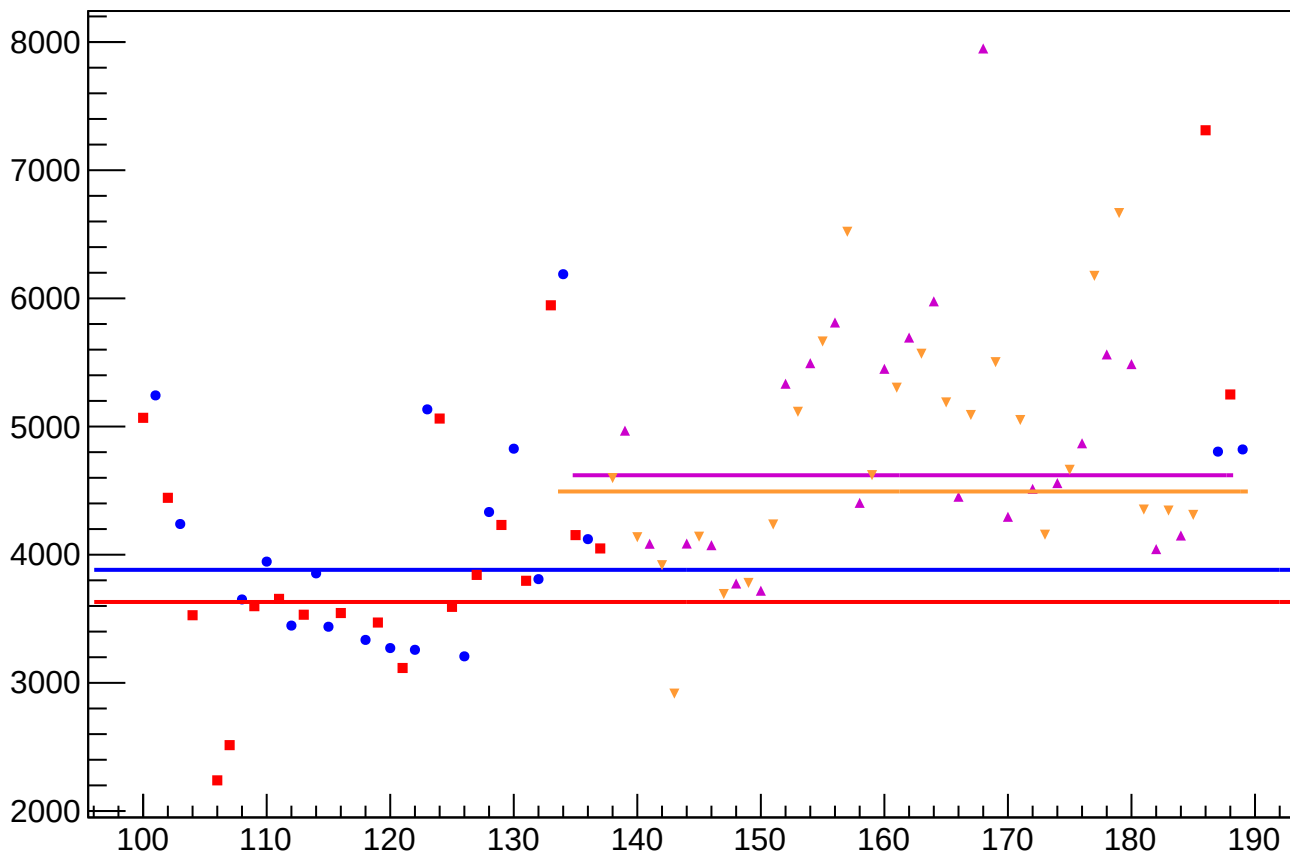
Right: -1204.630 ± 988.920 $\chi^2/\text{NDF}: 36.0/39$

In: -551.462 ± 887.419 $\chi^2/\text{NDF}: 32.0/41$

Out: -338.304 ± 839.591 $\chi^2/\text{NDF}: 47.3/45$

All: -438.984 ± 609.888 $\chi^2/\text{NDF}: 79.4/87$

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3881.866 $\pm$ 1.030 χ^2 /NDF: 383831.2/18

Left Out: 4493.314 $\pm$ 0.759 χ^2 /NDF:1309134.5/24

Right Out: 3631.101 $\pm$ 0.944 χ^2 /NDF: 852723.3/20

Left In: 4619.952 $\pm$ 0.791 χ^2 /NDF:1001966.3/22

Left: 4553.991 $\pm$ 0.548 χ^2 /NDF: 2324435.7/47

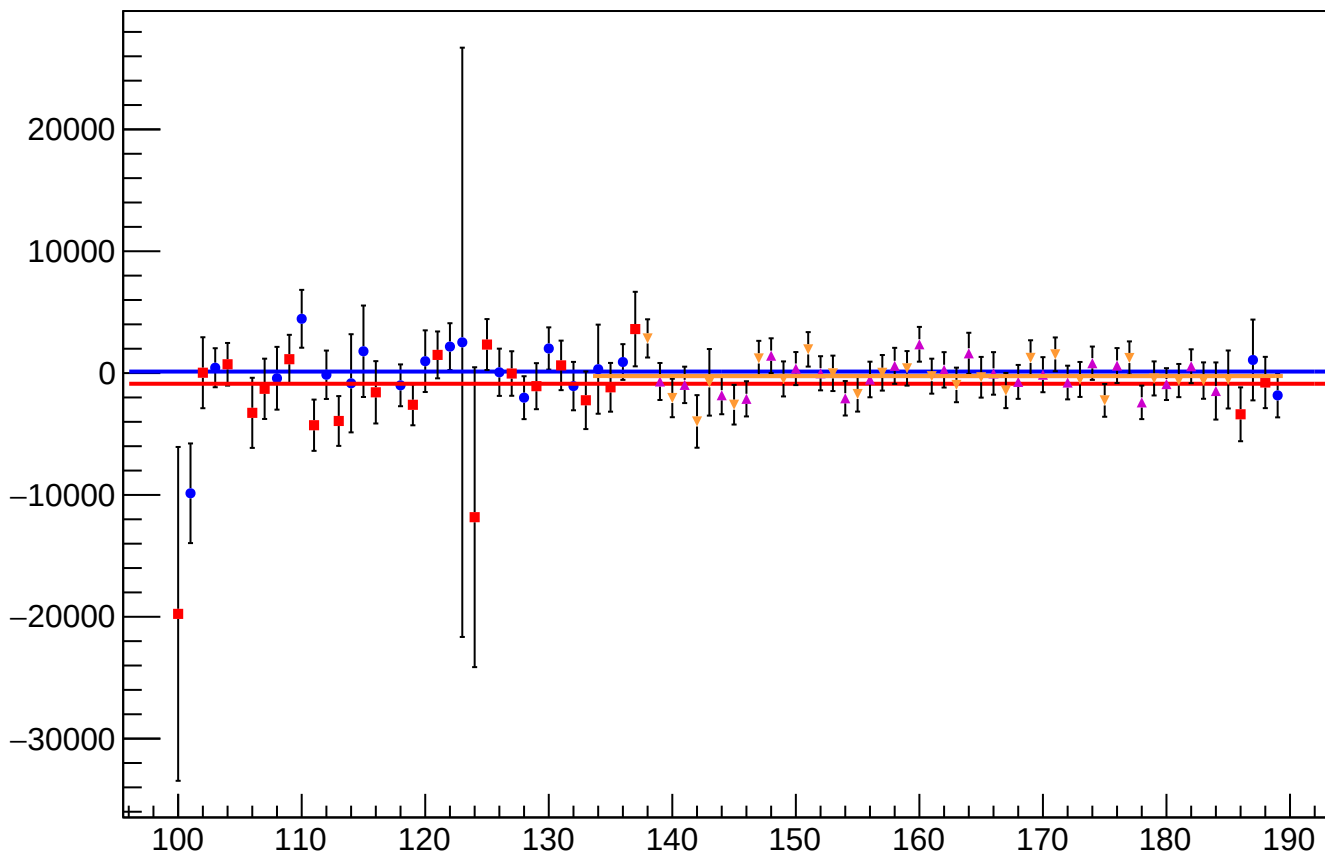
Right: 3745.679 $\pm$ 0.696 χ^2 /NDF: 1268768.9/39

In: 4345.811 $\pm$ 0.627 χ^2 /NDF:1708811.2/41

Out: 4154.901 $\pm$ 0.592 χ^2 /NDF:2668223.4/45

All: 4244.750 $\pm$ 0.430 χ^2 /NDF: 4426034.5/87

dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 125.487+/-497.136 χ^2/NDF : 15.9/18

Left Out: -242.571+/-301.700 χ^2/NDF :22.3/24

Right Out: -875.537+/-485.170 χ^2/NDF : 19.8/20

Left In: -245.829+/-305.043 χ^2/NDF :15.9/22

Left: -244.182+/-214.506 χ^2/NDF : 38.2/47

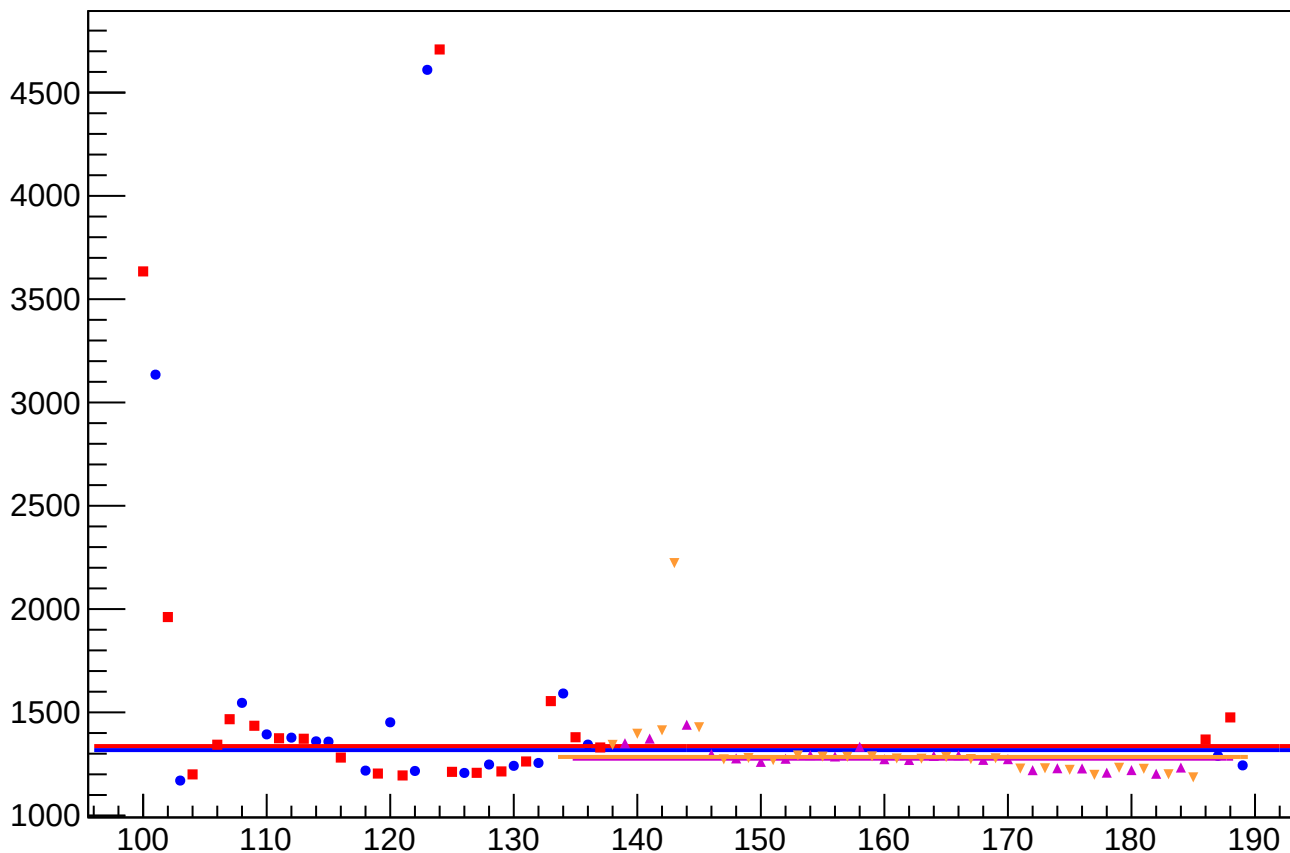
Right: -387.218+/-347.220 χ^2/NDF : 37.8/39

In: -144.266+/-259.999 χ^2/NDF :32.2/41

Out: -419.079+/-256.204 χ^2/NDF :43.3/45

All: -283.693+/-182.491 χ^2/NDF : 76.1/87

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1317.357+/-0.352 χ^2/NDF : 517943.9/18

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

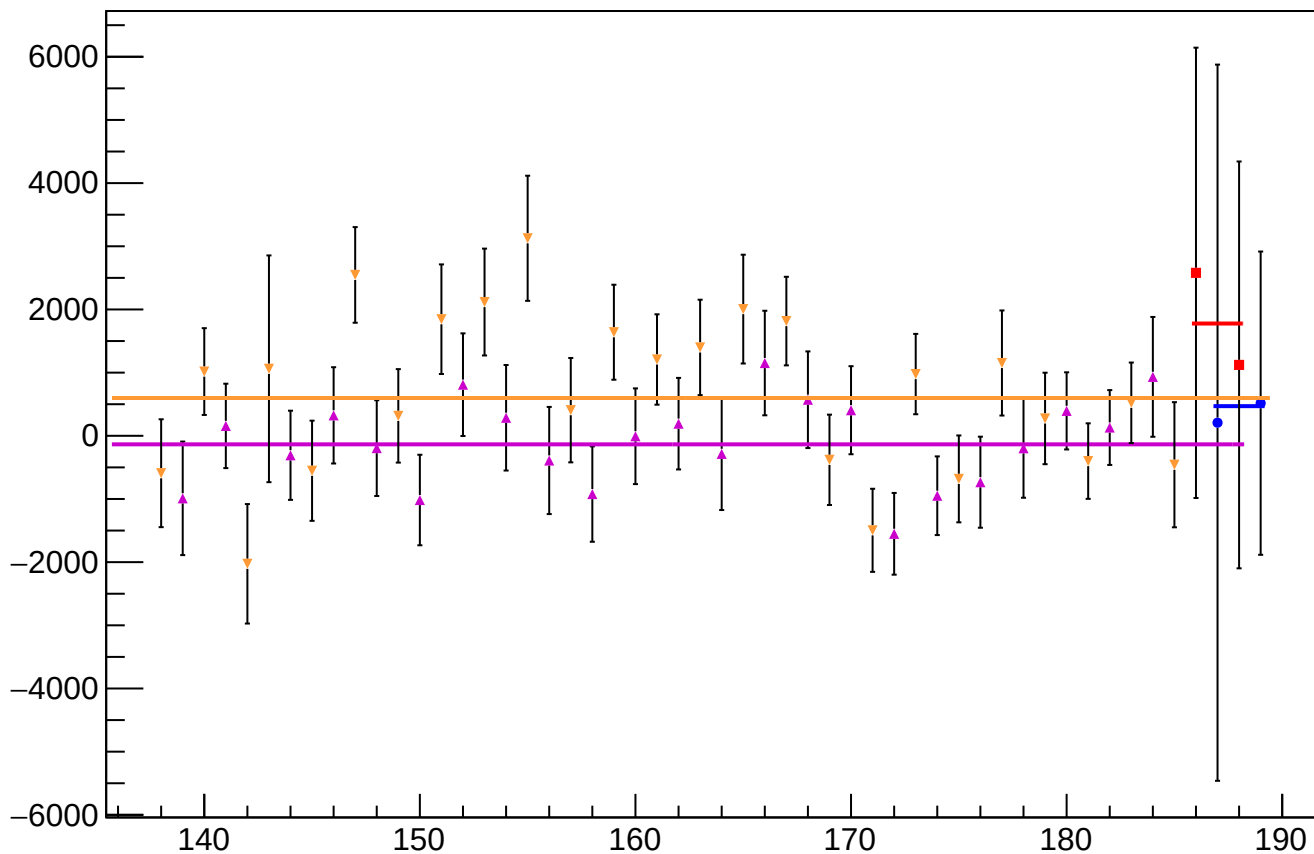
Right: 1327.352+/-0.246 χ^2/NDF : 921440.7/39

In: 1287.075+/-0.184 χ^2/NDF :590590.4/41

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

All: 1293.072+/-0.129 χ^2/NDF : 1318296.0/87

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



Right In: 469.433 $\pm$ 2210.367 χ^2 /NDF: 0.0/1

Left Out: 598.368 $\pm$ 153.138 χ^2 /NDF:60.7/24

Right Out: 1777.241 $\pm$ 2389.406 χ^2 /NDF: 0.1/1

Left In: -135.168 $\pm$ 153.761 χ^2 /NDF:19.4/22

Left: 233.089 $\pm$ 108.505 χ^2 /NDF: 91.5/47

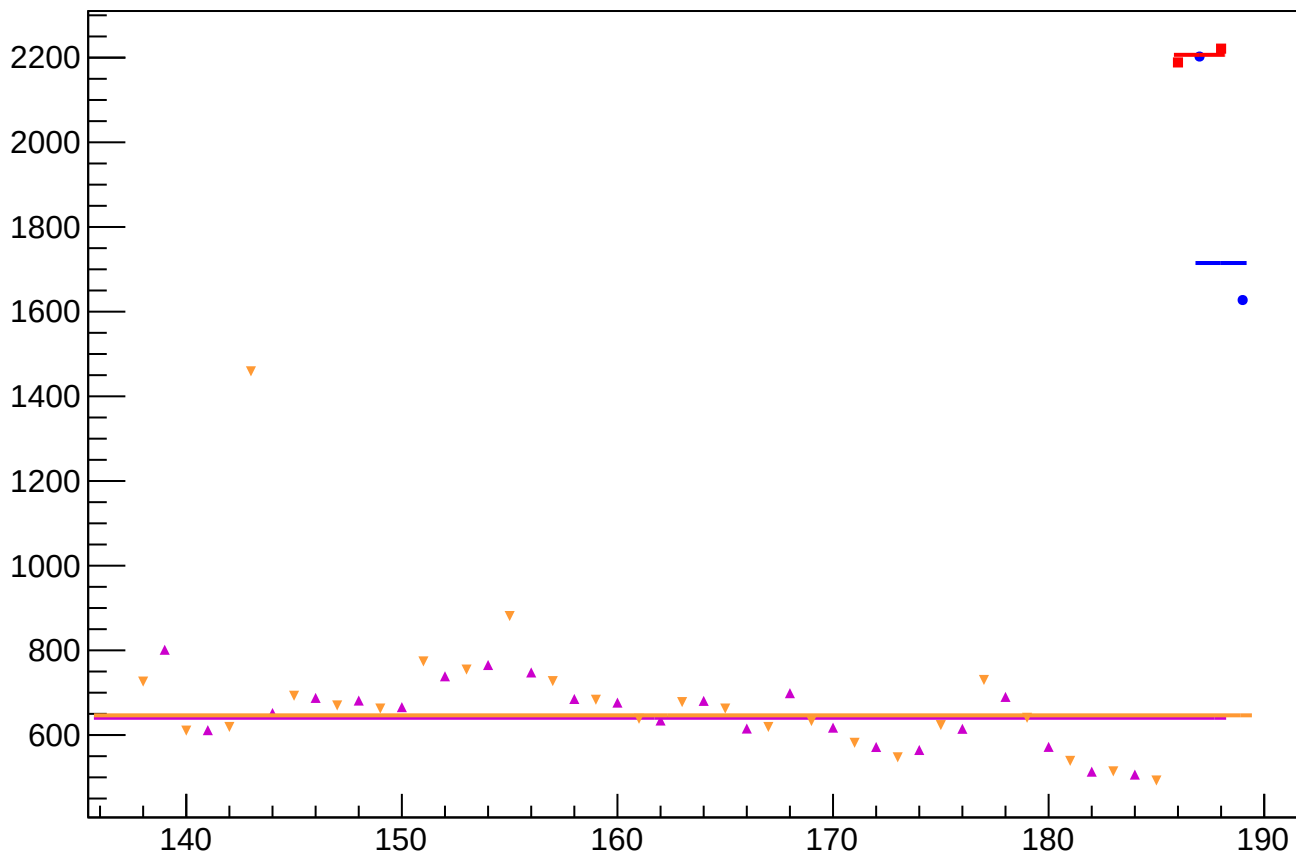
Right: 1072.510 $\pm$ 1622.573 χ^2 /NDF: 0.3/3

In: -132.256 $\pm$ 153.391 χ^2 /NDF:19.5/24

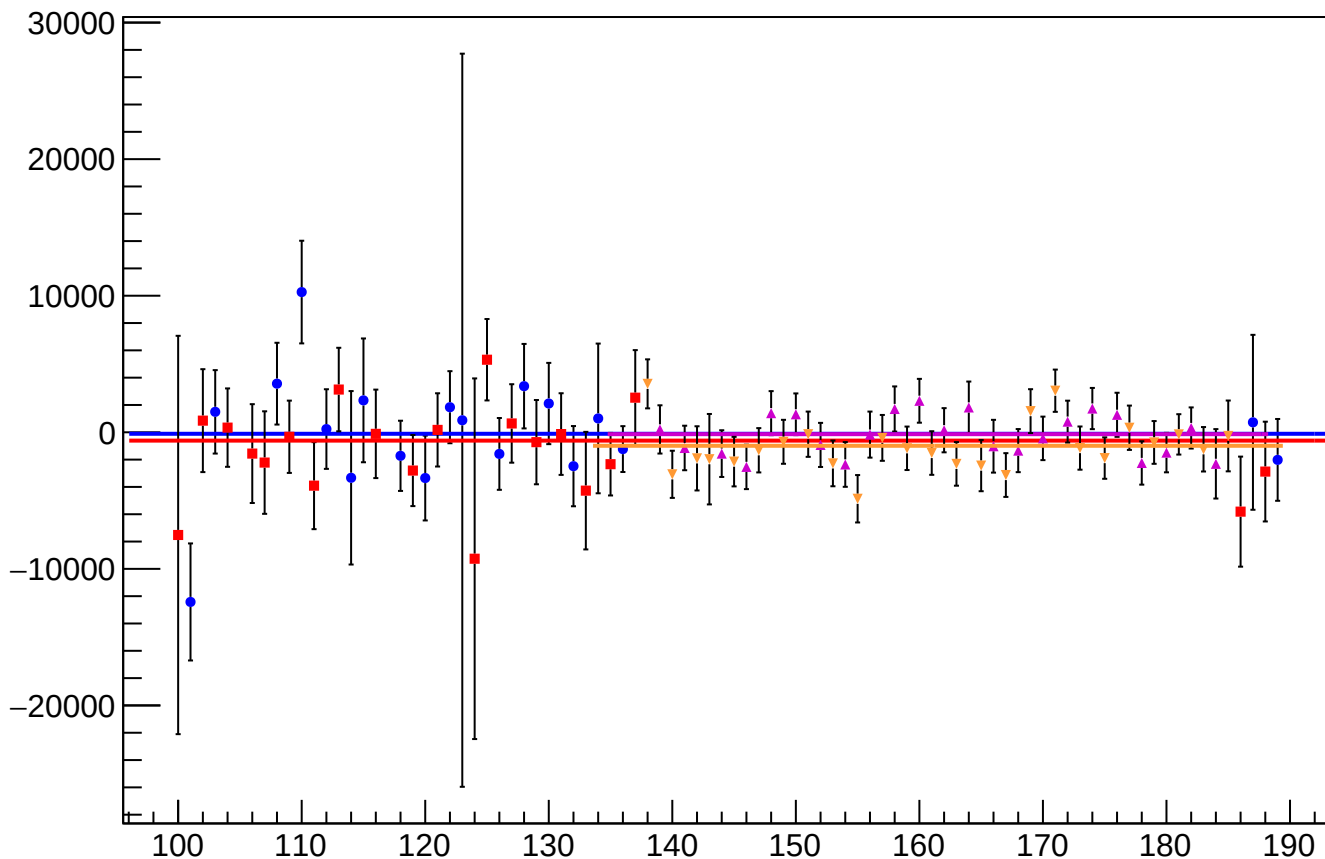
Out: 603.191 $\pm$ 152.825 χ^2 /NDF:61.0/26

All: 236.826 $\pm$ 108.263 χ^2 /NDF: 92.0/51

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: -109.094 $\pm$ 718.463 χ^2 /NDF: 24.0/18

Left Out: -987.247 $\pm$ 339.757 χ^2 /NDF:28.5/24

Right Out: -609.102 $\pm$ 708.156 χ^2 /NDF: 12.9/20

Left In: -137.780 $\pm$ 342.262 χ^2 /NDF:18.8/22

Left: -565.633 $\pm$ 241.125 χ^2 /NDF: 50.4/47

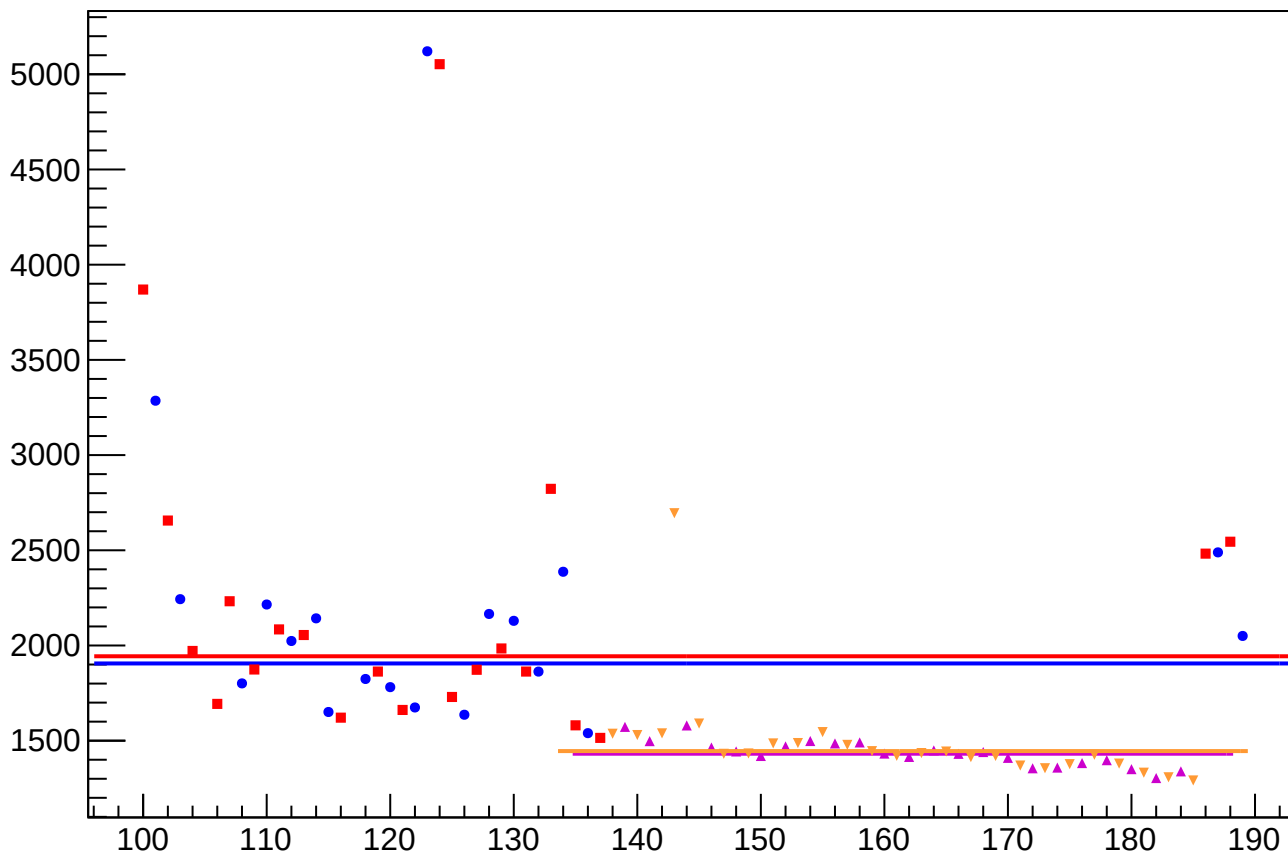
Right: -362.710 $\pm$ 504.346 χ^2 /NDF: 37.1/39

In: -132.474 $\pm$ 308.992 χ^2 /NDF:42.8/41

Out: -916.490 $\pm$ 306.325 χ^2 /NDF:41.6/45

All: -527.880 $\pm$ 217.541 χ^2 /NDF: 87.6/87

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1905.649 $\pm$ 0.508 χ^2 /NDF: 488120.4/18

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

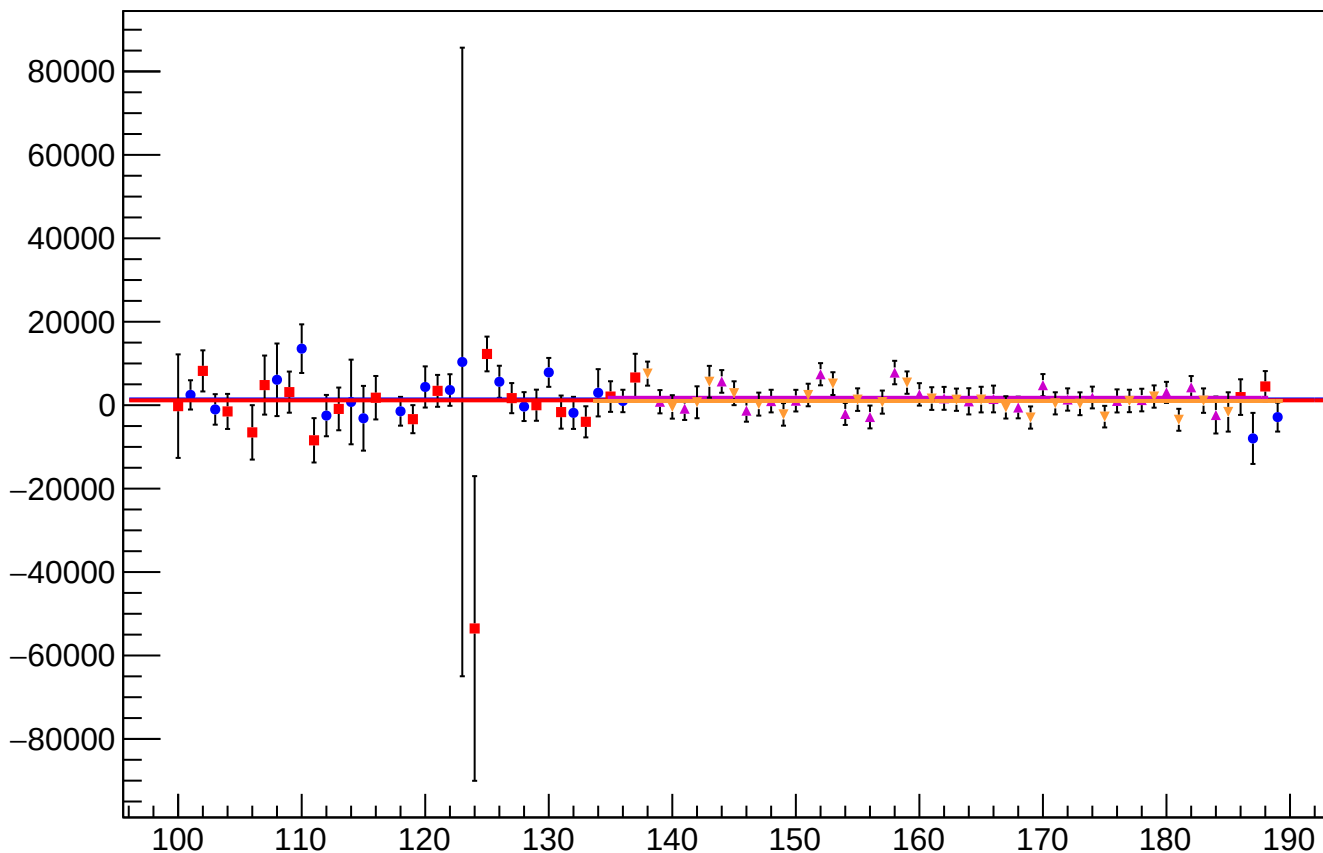
Right: 1924.795 $\pm$ 0.357 χ^2 /NDF: 1048987.8/39

In: 1519.334 $\pm$ 0.218 χ^2 /NDF: 1275384.8/41

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

All: 1529.050 $\pm$ 0.154 χ^2 /NDF: 3016183.5/87

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1377.434+/-979.644 χ^2/NDF : 17.1/18

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

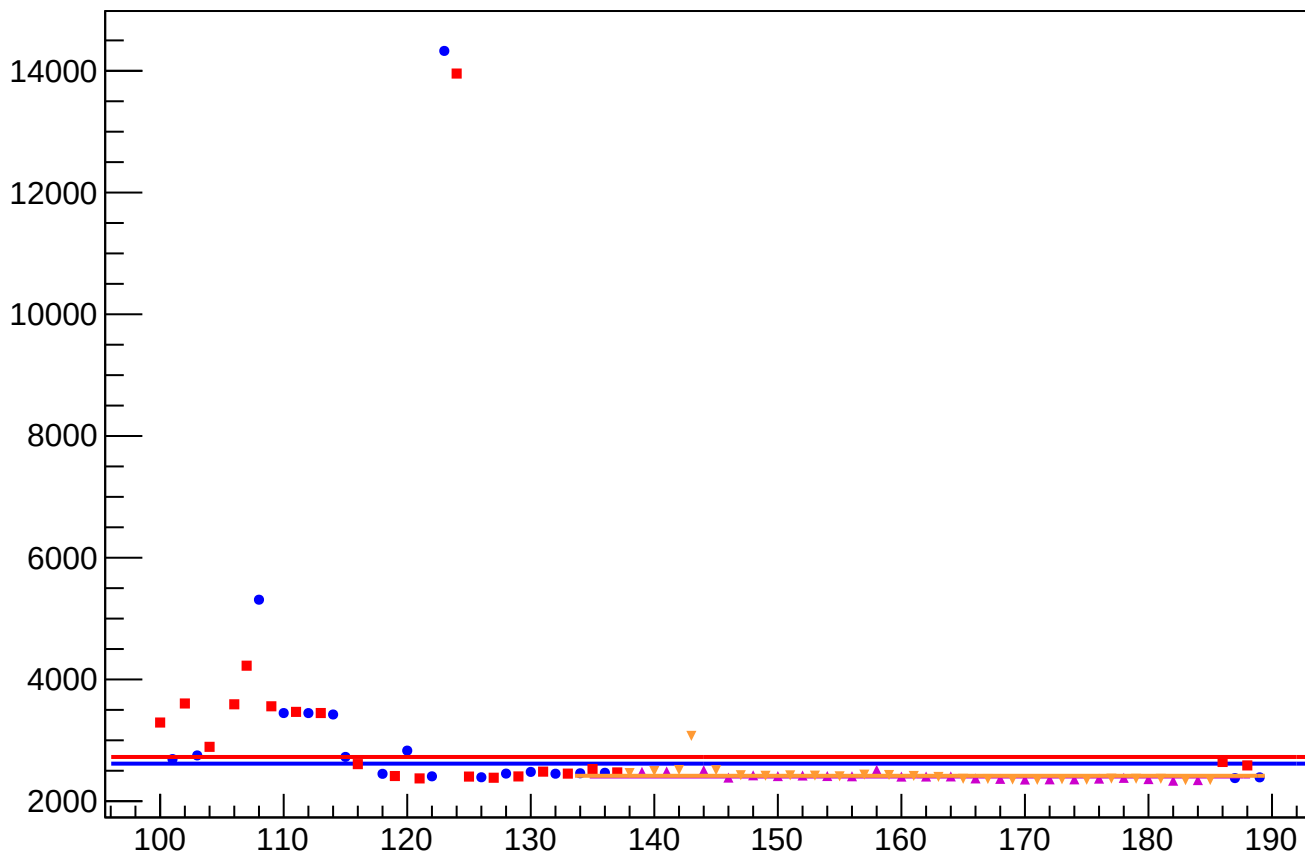
Right: 1269.596+/-694.372 χ^2/NDF : 40.7/39

In: 1668.597+/-495.430 χ^2/NDF : 40.4/41

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

All: 1355.735+/-348.573 χ^2/NDF : 87.2/87

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2616.676 $\pm$ 0.693 χ^2 /NDF: 405487.2/18

Left Out: 2416.984 $\pm$ 0.400 χ^2 /NDF: 74336.3/24

Right Out: 2726.276 $\pm$ 0.696 χ^2 /NDF: 632051.8/20

Left In: 2404.873 $\pm$ 0.406 χ^2 /NDF: 14770.0/22

Left: 2411.019 $\pm$ 0.285 χ^2 /NDF: 89557.7/47

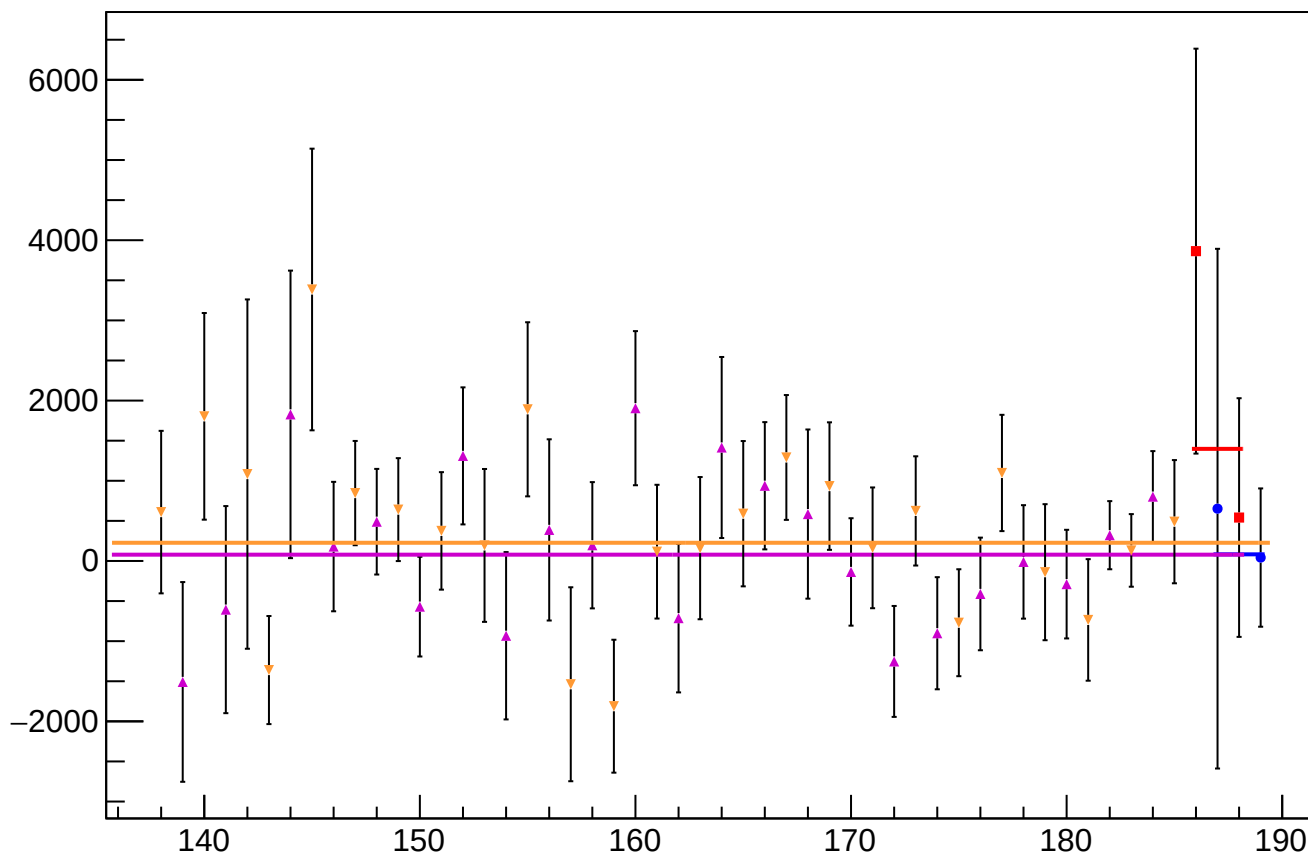
Right: 2671.213 $\pm$ 0.491 χ^2 /NDF: 1049995.4/39

In: 2459.043 $\pm$ 0.350 χ^2 /NDF: 489835.6/41

Out: 2493.787 $\pm$ 0.347 χ^2 /NDF: 854810.4/45

All: 2476.588 $\pm$ 0.246 χ^2 /NDF: 1349613.0/87

asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: 82.701+/-833.343 χ^2/NDF : 0.0/1

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

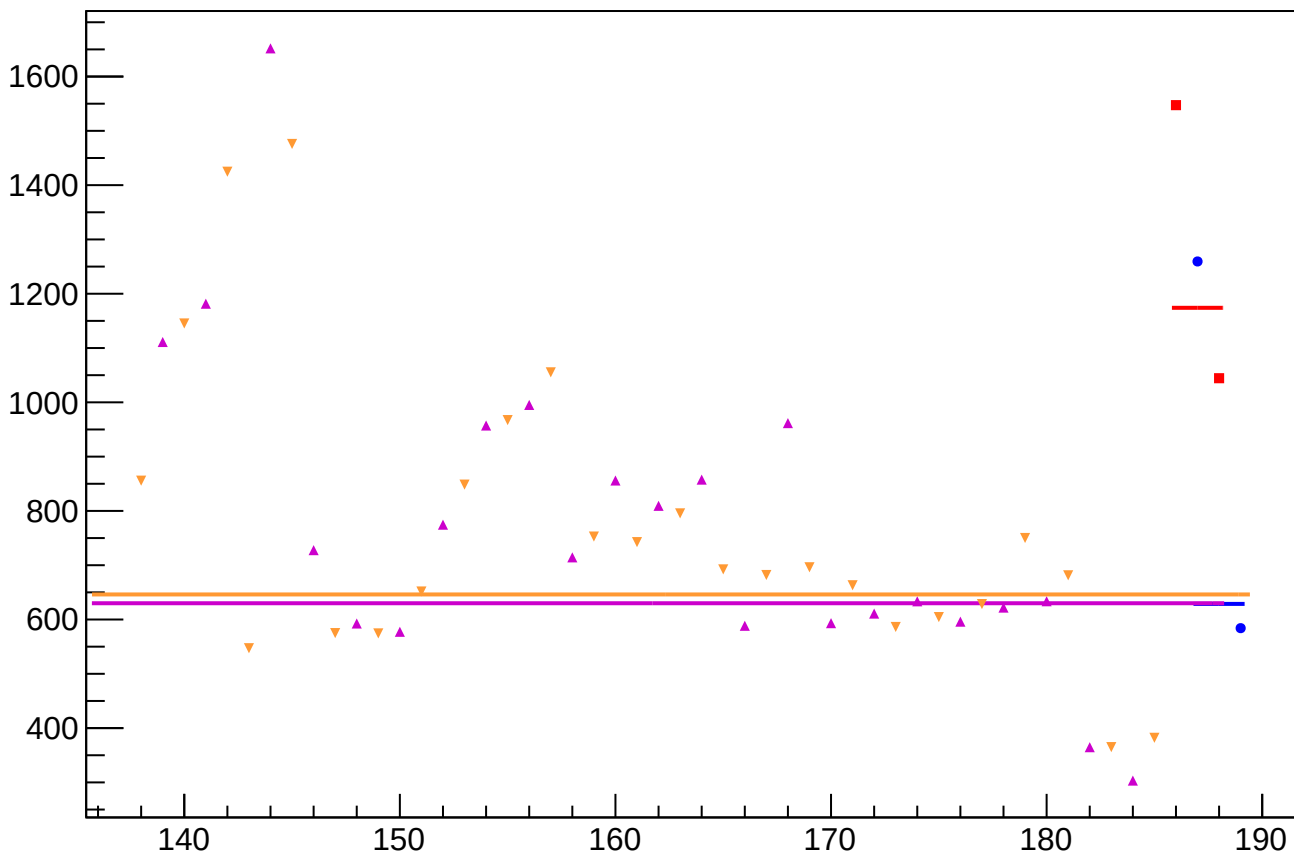
Right: 473.391+/-698.706 χ^2/NDF : 2.1/3

In: 78.689+/-156.474 χ^2/NDF :23.2/24

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

All: 161.385+/-110.808 χ^2/NDF : 57.1/51

asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 628.749+/-0.589 χ^2/NDF : 81124.4/1

Left Out: 646.167+/-0.112 χ^2/NDF :2875111.2/24

Right Out: 1174.077+/-0.907 χ^2/NDF : 58895.4/1

Left In: 629.971+/-0.113 χ^2/NDF :3773702.5/22

Left: 638.129+/-0.079 χ^2/NDF : 6659226.3/47

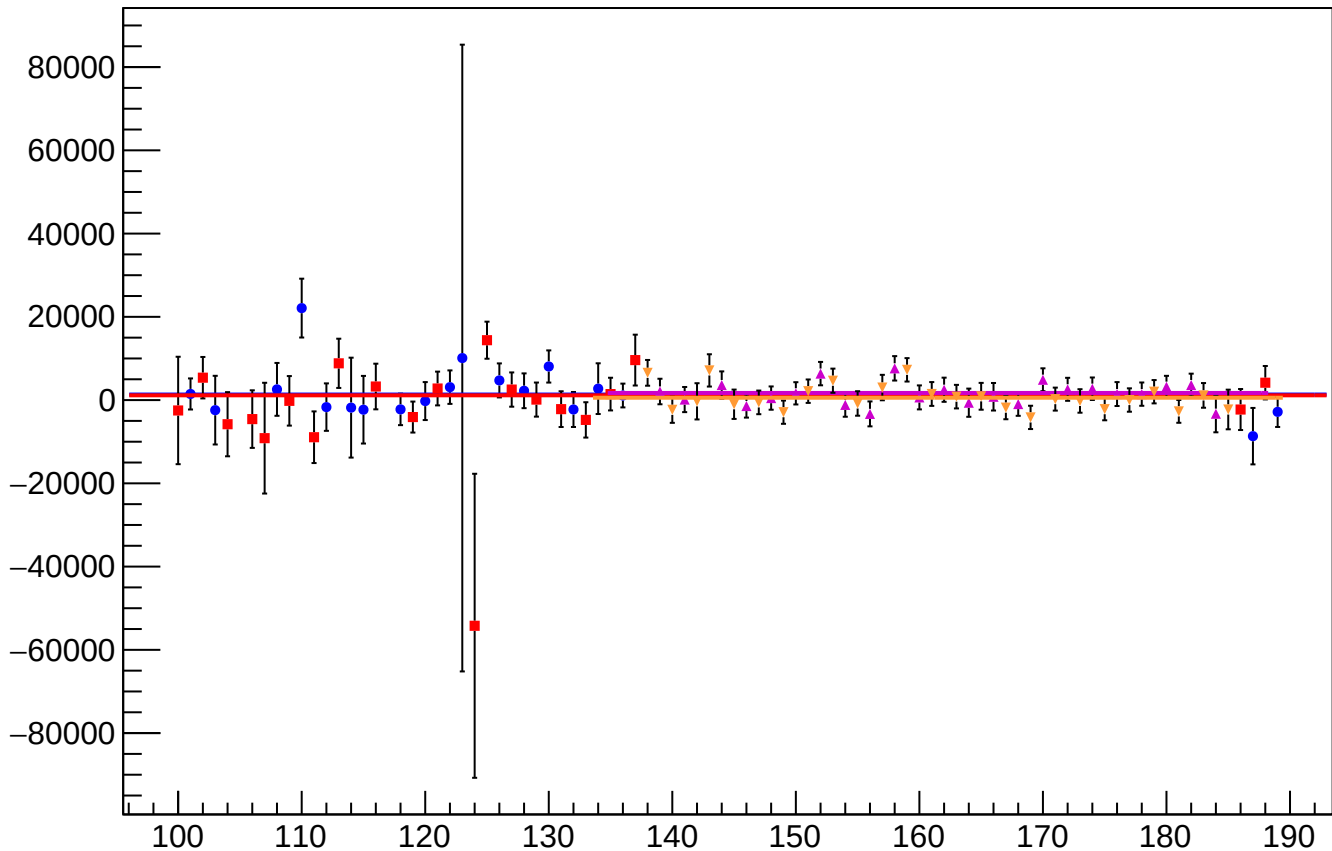
Right: 790.724+/-0.494 χ^2/NDF : 394401.9/3

In: 629.928+/-0.111 χ^2/NDF :3854831.0/24

Out: 654.078+/-0.111 χ^2/NDF :3268042.1/26

All: 641.967+/-0.078 χ^2/NDF : 7146622.7/51

asym_atl1_mean vs Slug, Sign Corrected



Right In: 1330.897 $\pm$ 1083.414 χ^2/NDF : 18.7/18

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

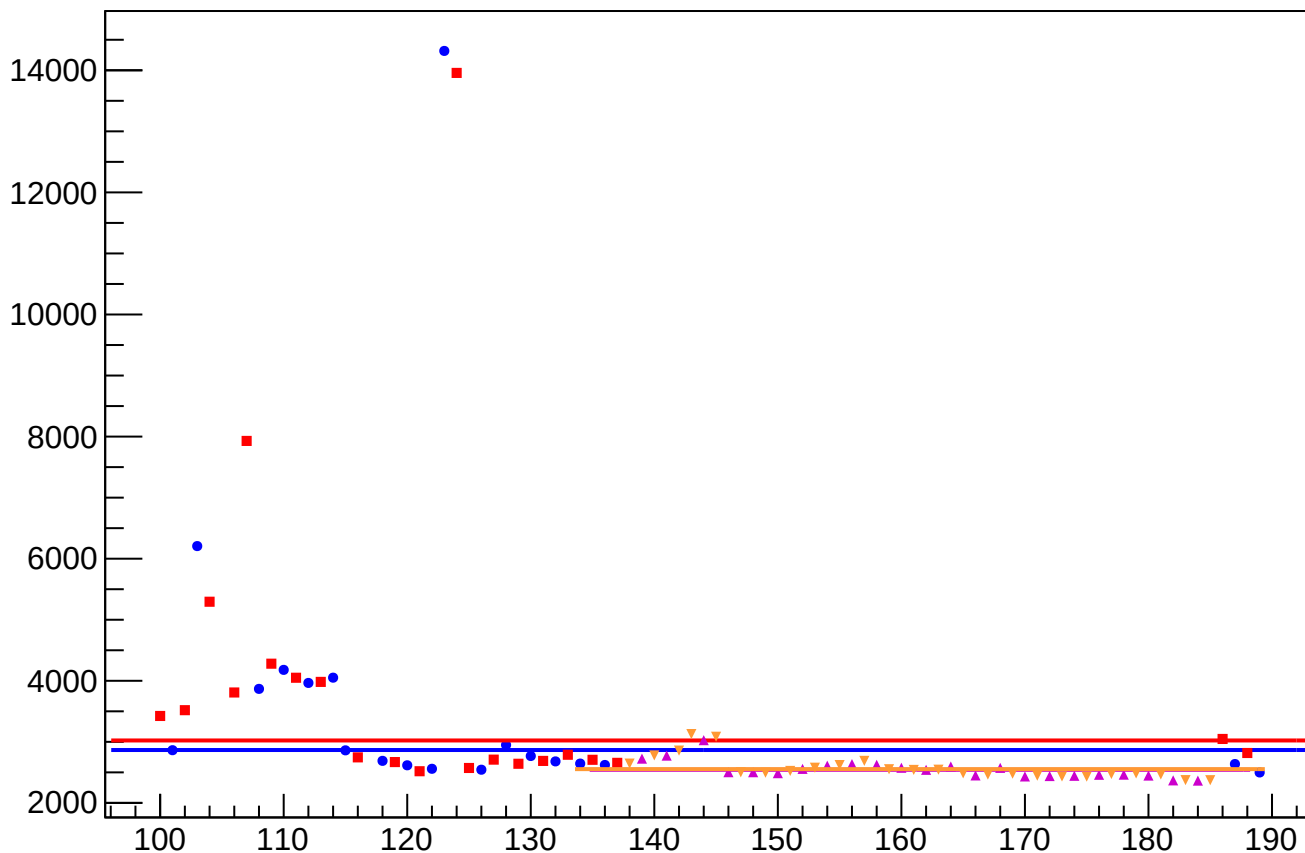
Right: 1240.811 $\pm$ 774.919 χ^2/NDF : 45.1/39

In: 1621.777 $\pm$ 530.066 χ^2/NDF : 36.8/41

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

All: 1156.556 $\pm$ 373.562 χ^2/NDF : 90.2/87

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2866.119+/-0.766 χ^2/NDF : 667569.4/18

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

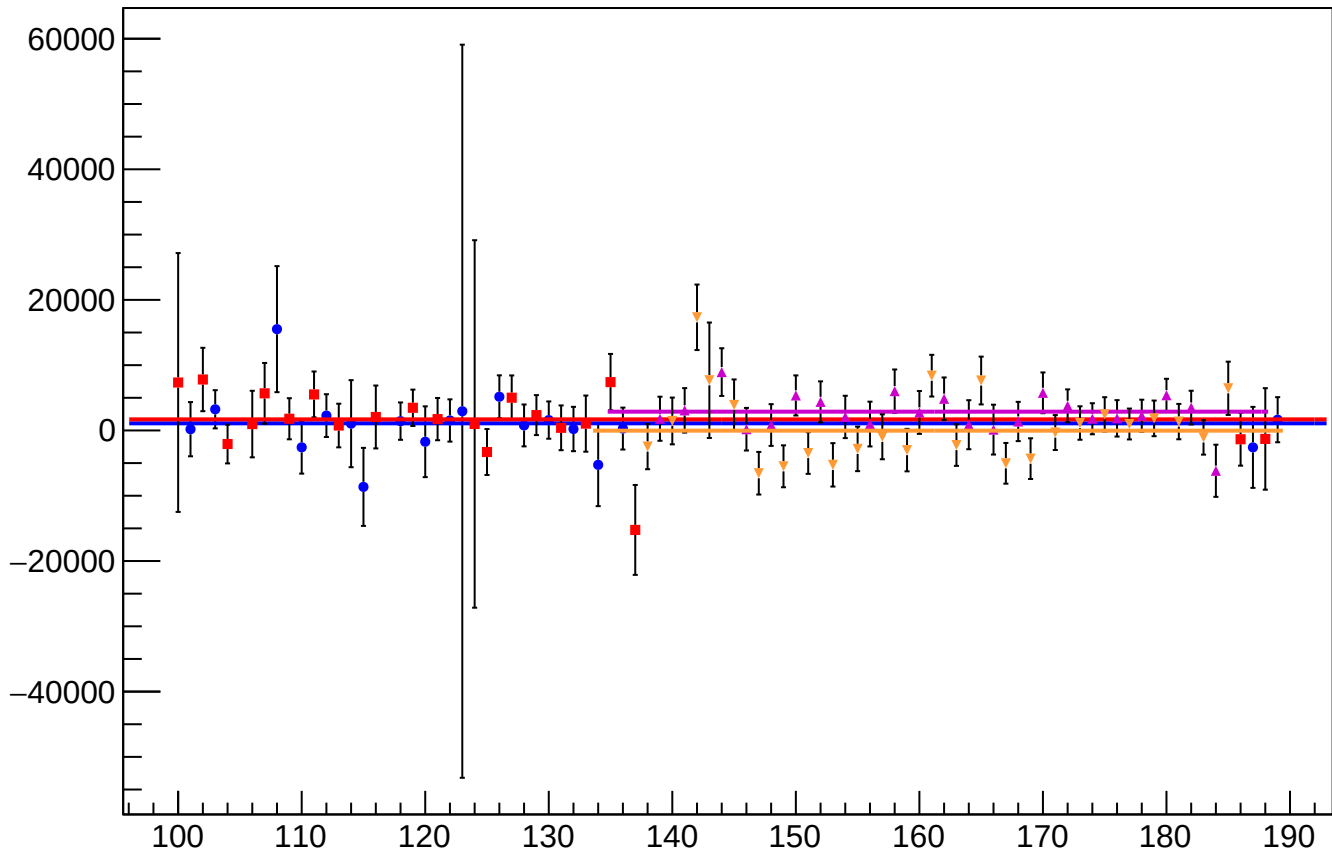
Right: 2942.561+/-0.548 χ^2/NDF : 1704925.7/39

In: 2619.546+/-0.375 χ^2/NDF :901002.3/41

Out: 2658.975+/-0.372 χ^2/NDF :1443153.3/45

All: 2639.392+/-0.264 χ^2/NDF : 2349725.6/87

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1089.640 $\pm$ 885.915 χ^2 /NDF: 9.8/18

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

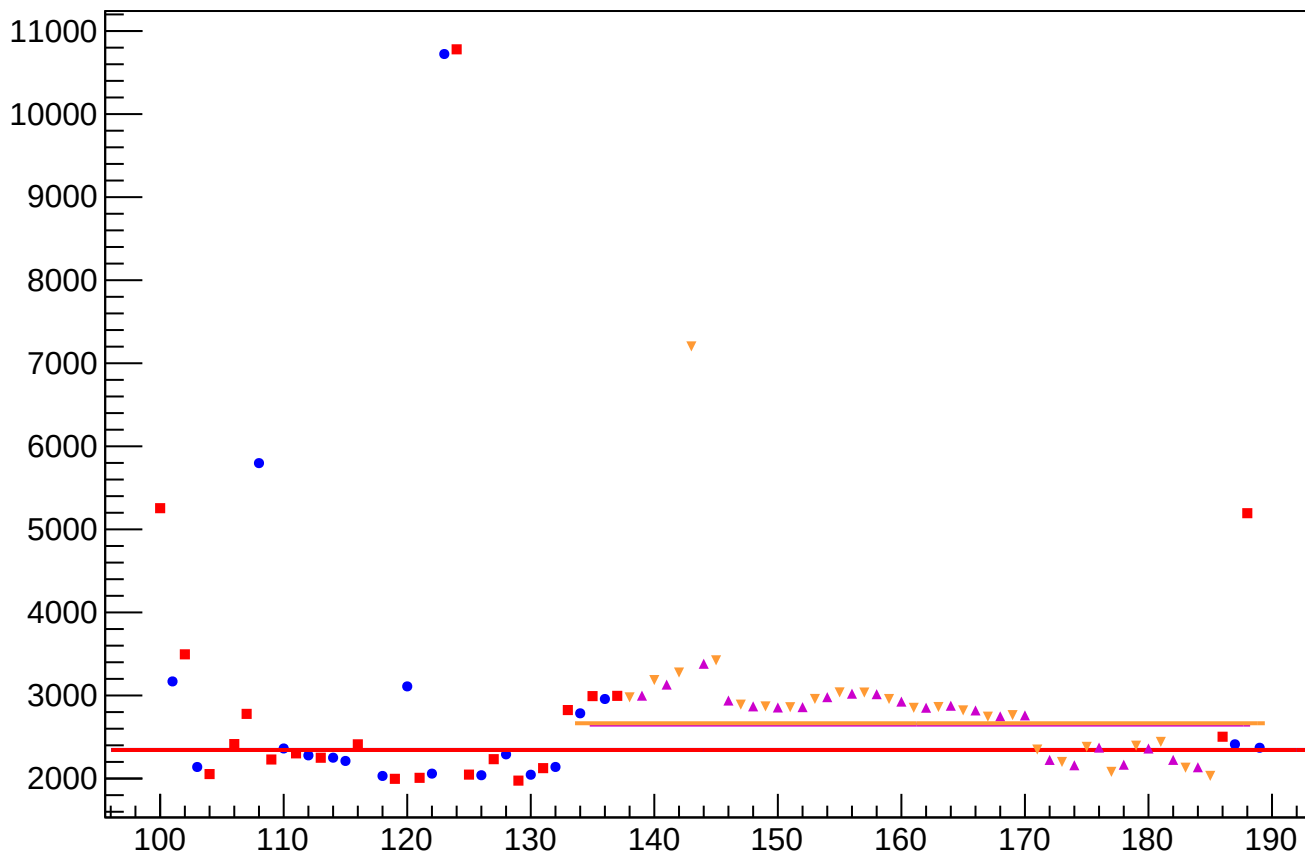
Right: 1403.150 $\pm$ 617.506 χ^2 /NDF: 27.5/39

In: 2265.523 $\pm$ 517.705 χ^2 /NDF:27.6/41

Out: 575.228 $\pm$ 510.394 χ^2 /NDF:67.6/45

All: 1408.355 $\pm$ 363.460 χ^2 /NDF: 100.6/87

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2344.288+/-0.626 χ^2/NDF : 600854.8/18

Left Out: 2665.559+/-0.448 χ^2/NDF :1218211.8/24

Right Out: 2343.697+/-0.609 χ^2/NDF : 843371.7/20

Left In: 2649.457+/-0.451 χ^2/NDF :643563.7/22

Left: 2657.563+/-0.318 χ^2/NDF : 1862416.8/47

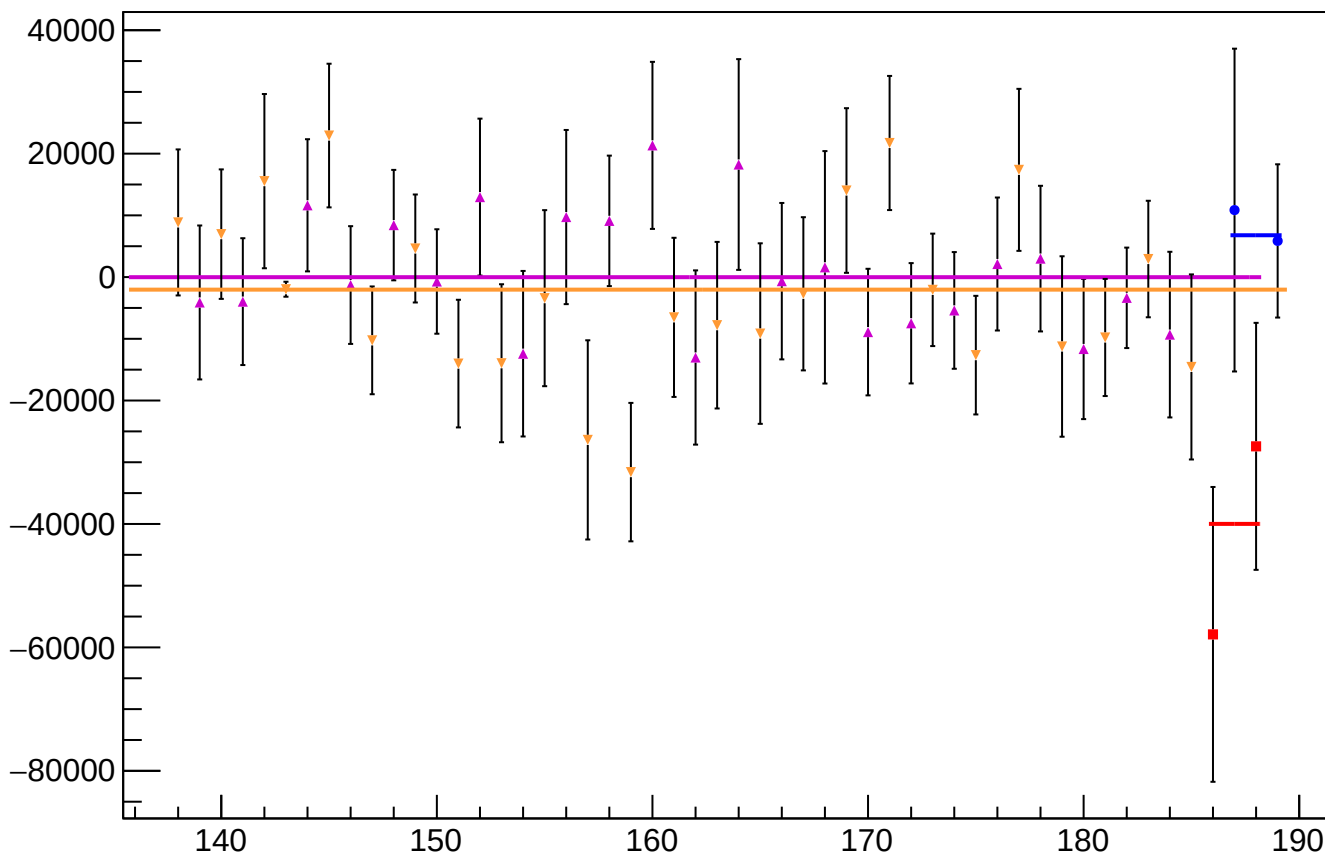
Right: 2343.984+/-0.436 χ^2/NDF : 1444227.0/39

In: 2545.244+/-0.366 χ^2/NDF :1400693.5/41

Out: 2552.401+/-0.361 χ^2/NDF :2242988.6/45

All: 2548.874+/-0.257 χ^2/NDF : 3643876.0/87

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: 6778.169+/-11216.045 χ^2/NDF : 0.0/1

Left Out: -2034.509+/-1076.795 χ^2/NDF : 32.9/24

Right Out: -39988.539+/-15337.847 χ^2/NDF : 1.0/1

Left In: -16.509+/-2317.578 χ^2/NDF : 13.4/22

Left: -1676.223+/-976.538 χ^2/NDF : 46.9/47

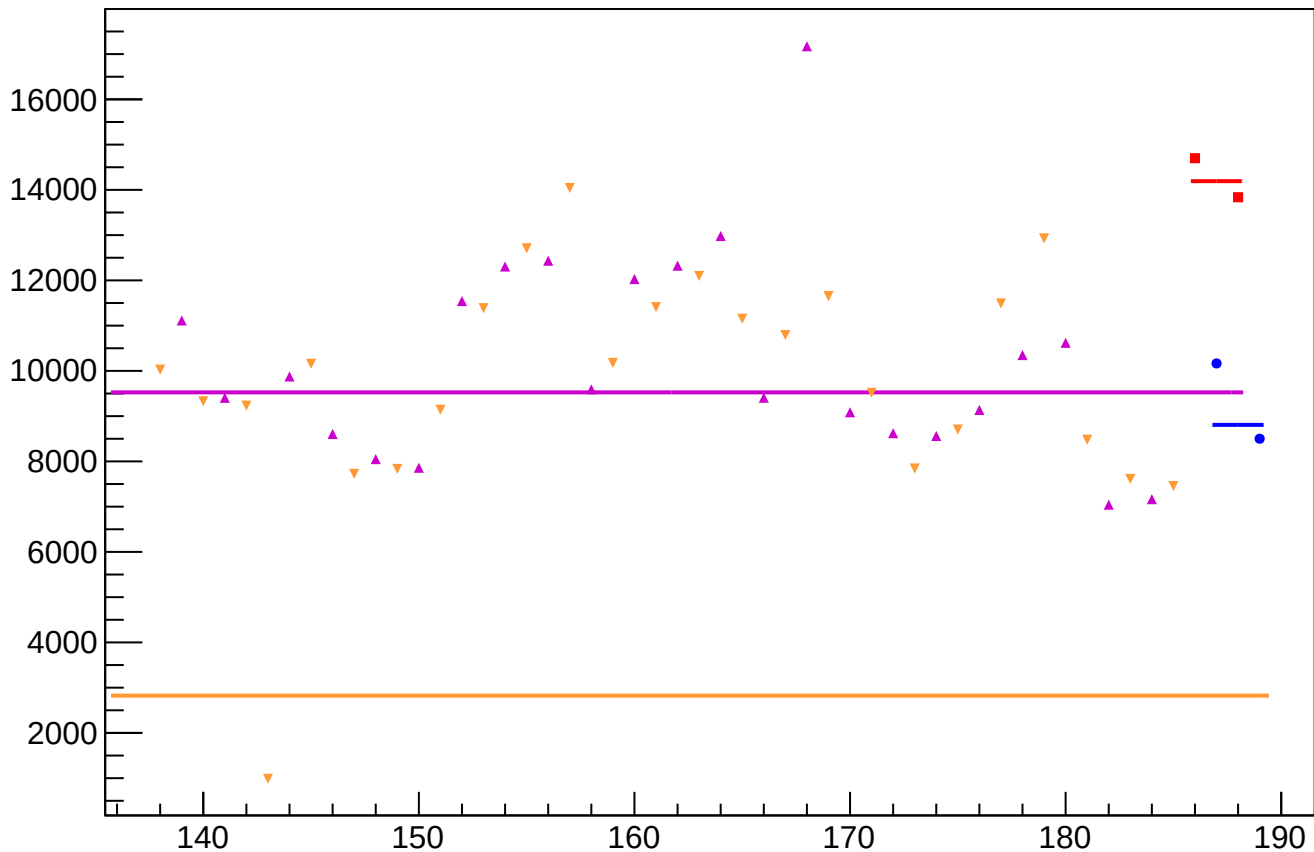
Right: -9516.664+/-9053.593 χ^2/NDF : 7.0/3

In: 261.718+/-2269.632 χ^2/NDF : 13.8/24

Out: -2220.658+/-1074.151 χ^2/NDF : 39.9/26

All: -1766.391+/-970.906 χ^2/NDF : 54.7/51

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 8807.028+/-7.931 χ^2/NDF : 6606.2/1

Left Out: 2824.184+/-0.761 χ^2/NDF :22547216.3/24

Right Out: 14192.552+/-10.845 χ^2/NDF : 1533.1/1

Left In: 9525.431+/-1.639 χ^2/NDF :1286488.6/22

Left: 4013.960+/-0.691 χ^2/NDF : 37586289.6/47

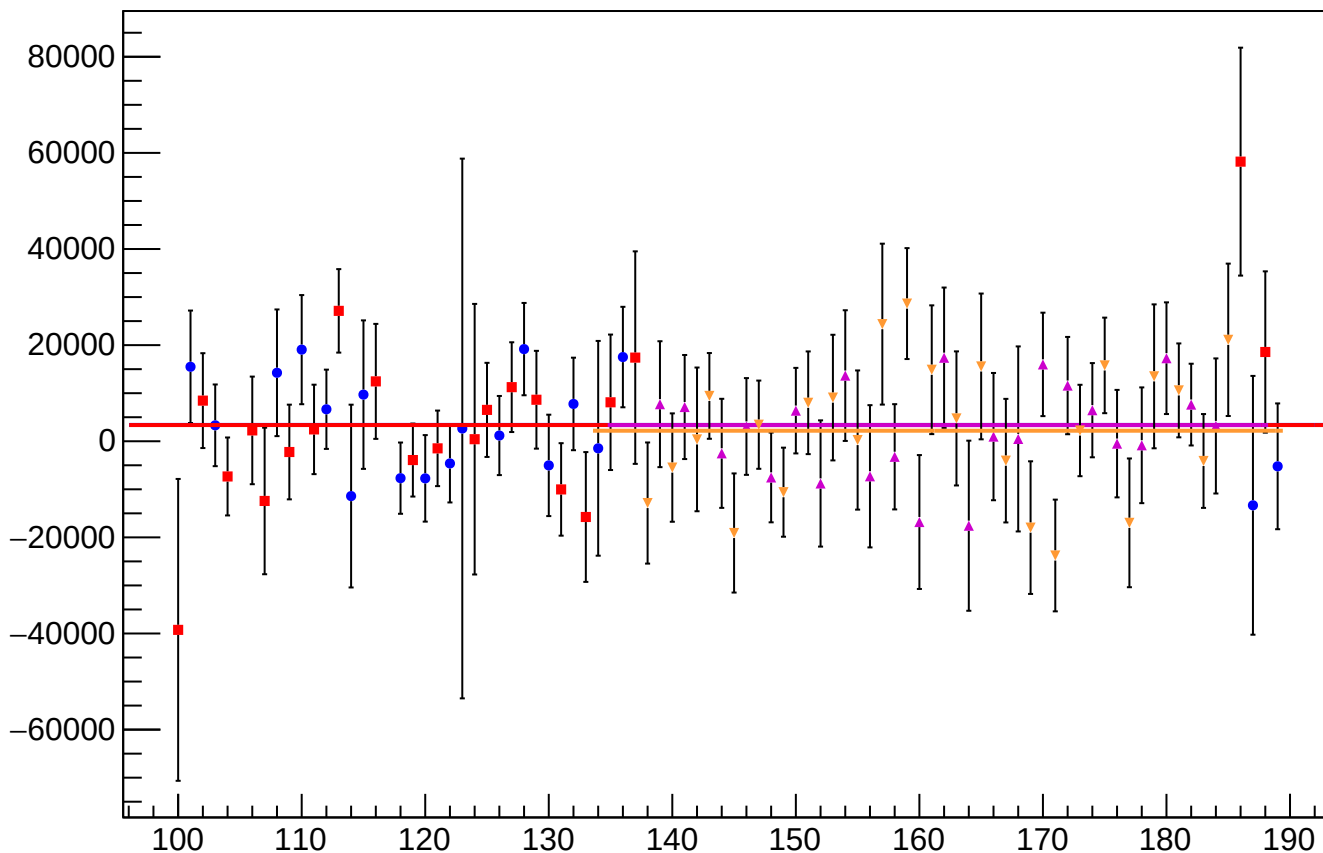
Right: 10683.496+/-6.402 χ^2/NDF : 168803.6/3

In: 9496.014+/-1.605 χ^2/NDF :1300963.9/24

Out: 2879.941+/-0.760 χ^2/NDF :23642106.7/26

All: 4090.662+/-0.687 χ^2/NDF : 38827984.8/5

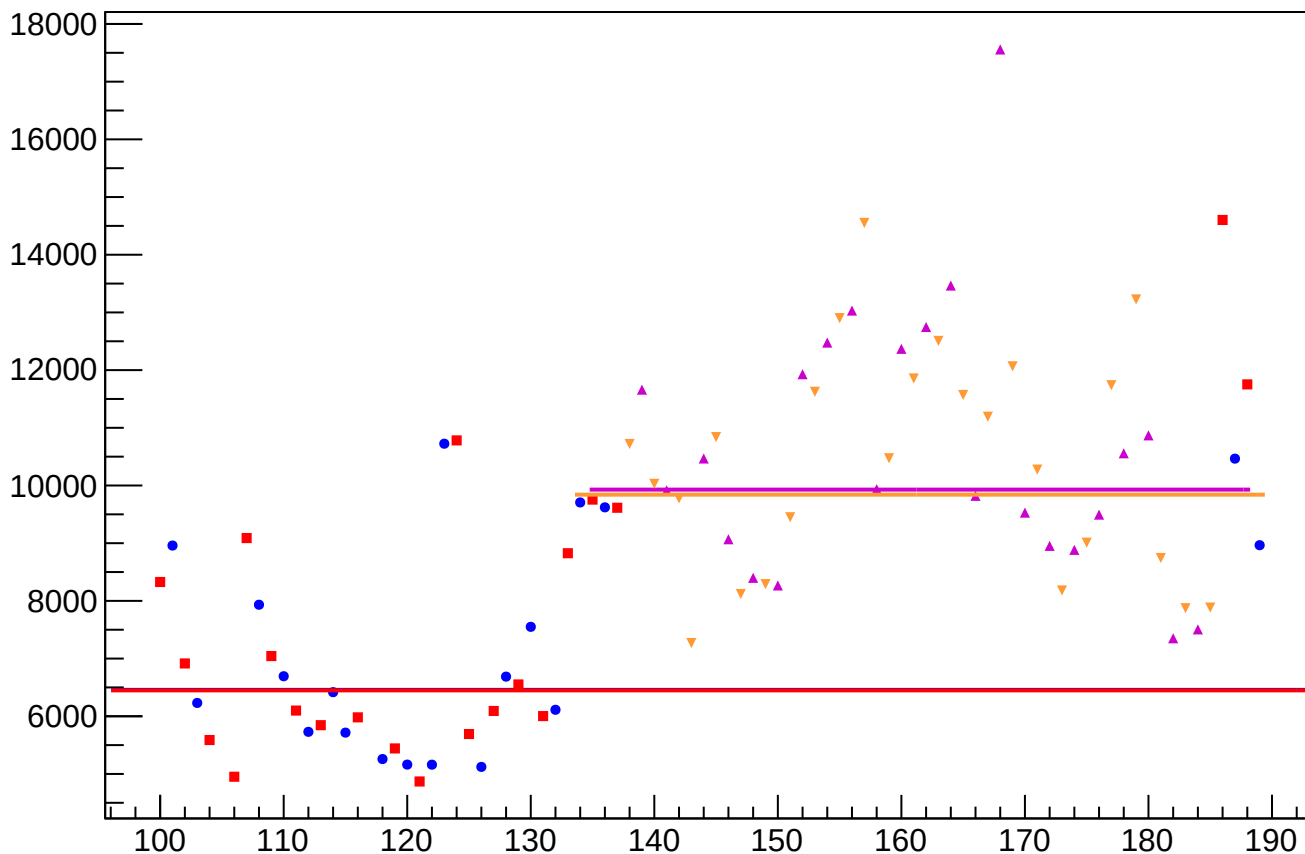
asym_atl2_mean vs Slug, Sign Corrected



Right In: 3398.132 $\pm$ 2453.667 χ^2 /NDF: 15.6/18
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: 3384.072 $\pm$ 1709.971 χ^2 /NDF: 42.0/39
In: 3380.019 $\pm$ 1720.752 χ^2 /NDF:28.4/41
Out: 2772.313 $\pm$ 1672.486 χ^2 /NDF:57.6/45
All: 3067.524 $\pm$ 1199.326 χ^2 /NDF: 86.1/87

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6457.260+/-1.735 χ^2/NDF : 716307.2/18

Left Out: 9841.227+/-1.659 χ^2/NDF : 1184767.7/24

Right Out: 6448.727+/-1.686 χ^2/NDF : 984612.6/20

Left In: 9928.662+/-1.707 χ^2/NDF : 1220804.9/22

Left: 9883.710+/-1.190 χ^2/NDF : 2406921.7/47

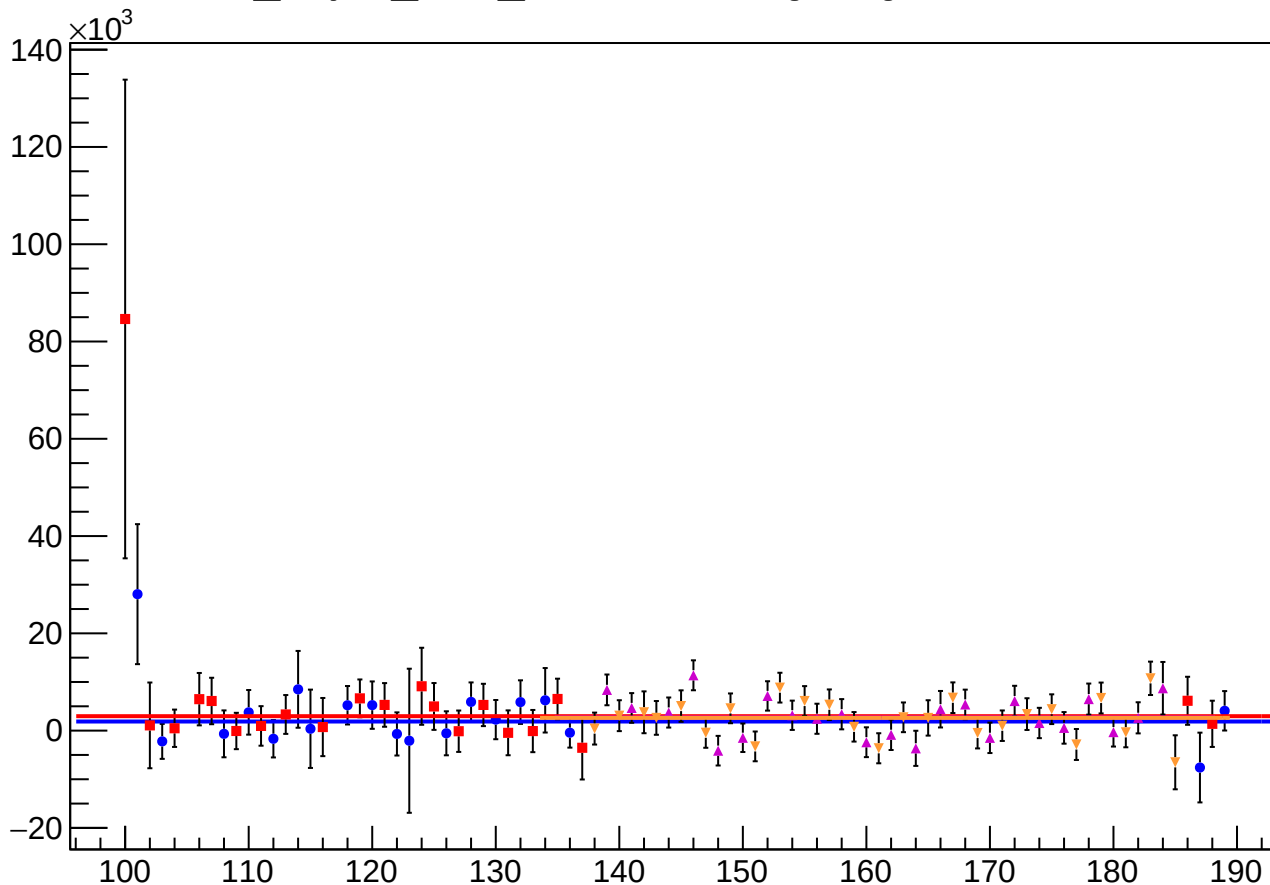
Right: 6452.871+/-1.209 χ^2/NDF : 1700932.3/39

In: 8221.354+/-1.217 χ^2/NDF : 3971477.6/41

Out: 8171.967+/-1.183 χ^2/NDF : 4226189.3/45

All: 8195.958+/-0.848 χ^2/NDF : 8198514.1/87

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1873.085 $\pm$ 1074.655 χ^2 /NDF: 13.4/18

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

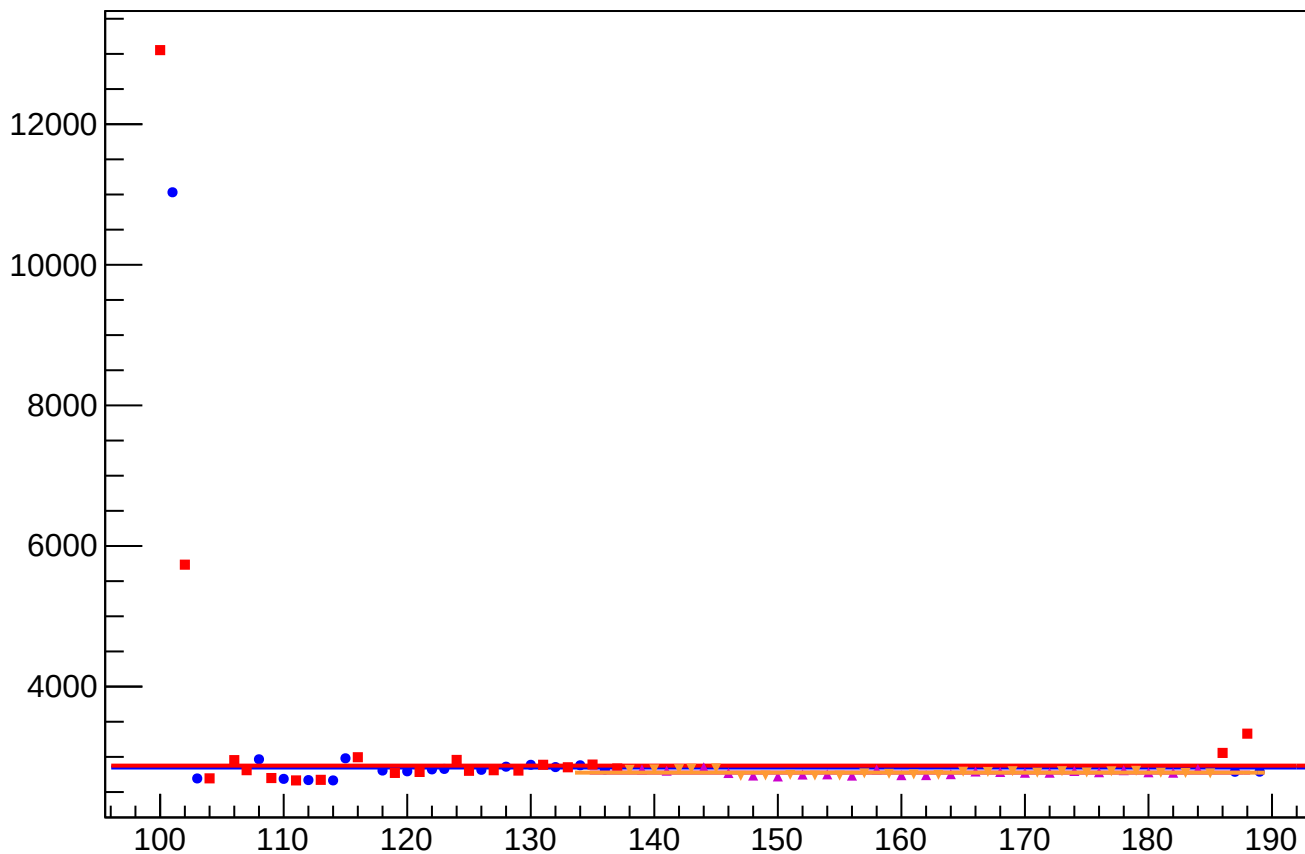
Right: 2440.526 $\pm$ 745.823 χ^2 /NDF: 25.1/39

In: 2473.744 $\pm$ 563.854 χ^2 /NDF:50.1/41

Out: 2723.107 $\pm$ 549.679 χ^2 /NDF:45.2/45

All: 2601.599 $\pm$ 393.598 χ^2 /NDF: 95.4/87

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2849.023+/-0.760 χ^2/NDF : 661533.0/18

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

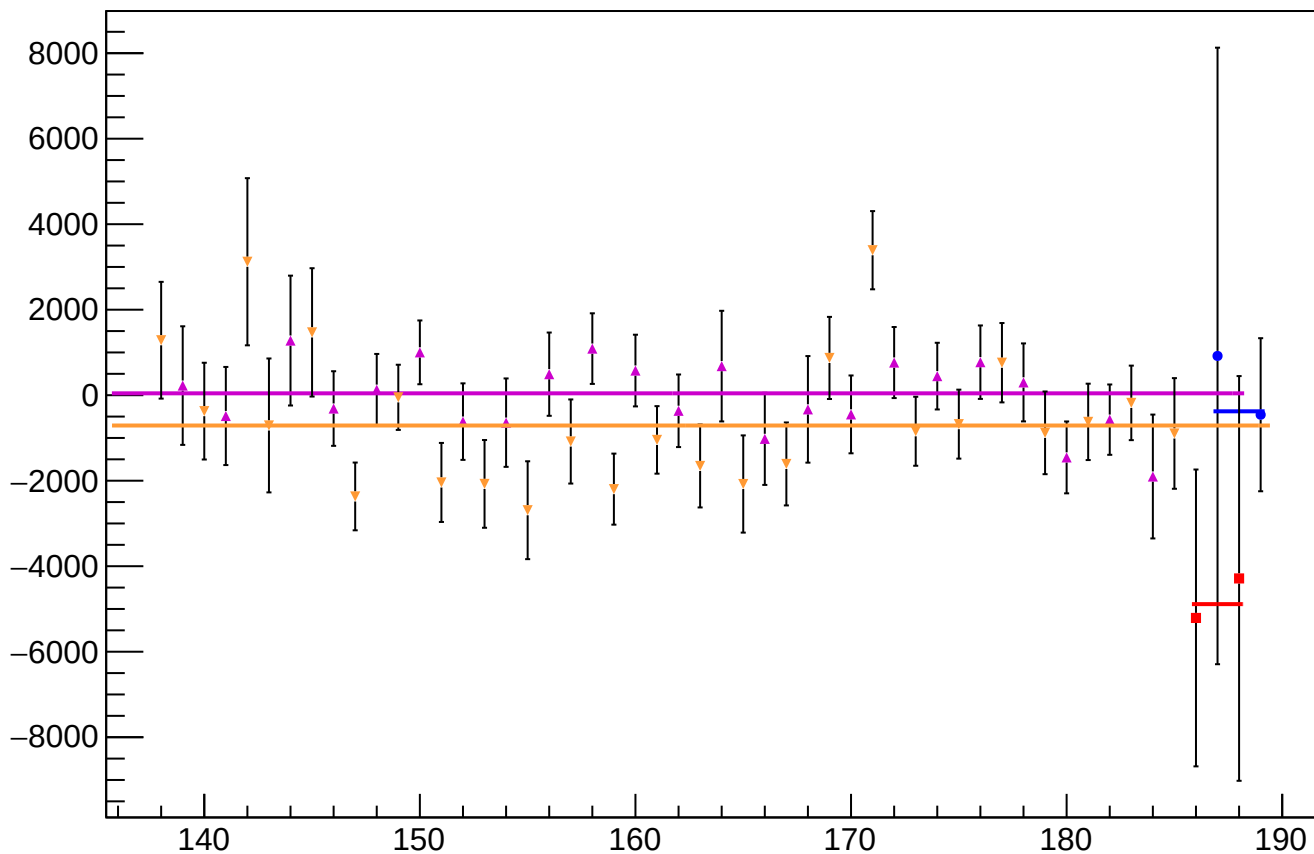
Right: 2862.943+/-0.527 χ^2/NDF : 1004250.5/39

In: 2796.494+/-0.399 χ^2/NDF : 673280.7/41

Out: 2804.184+/-0.389 χ^2/NDF : 360220.8/45

All: 2800.437+/-0.278 χ^2/NDF : 1033692.3/87

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: -376.875 ± 1737.585 $\chi^2/\text{NDF}: 0.0/1$

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 $\chi^2/\text{NDF}: 75.2/47$

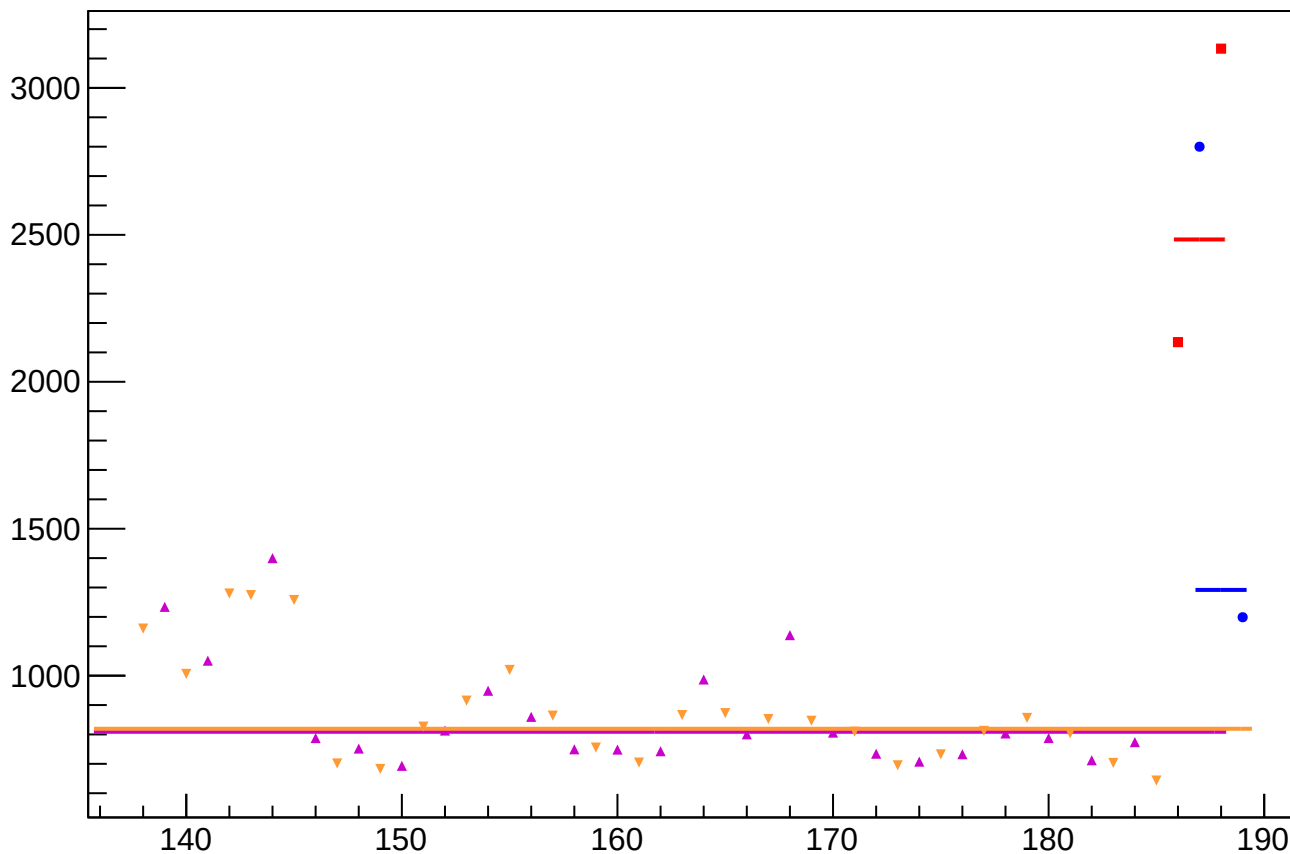
Right: -1631.116 ± 1476.330 $\chi^2/\text{NDF}: 1.9/3$

In: 38.569 ± 194.521 $\chi^2/\text{NDF}: 15.2/24$

Out: -729.018 ± 194.310 $\chi^2/\text{NDF}: 54.9/26$

All: -345.641 ± 137.472 $\chi^2/\text{NDF}: 77.9/51$

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 1291.795+/-1.229 χ^2/NDF : 92883.1/1

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

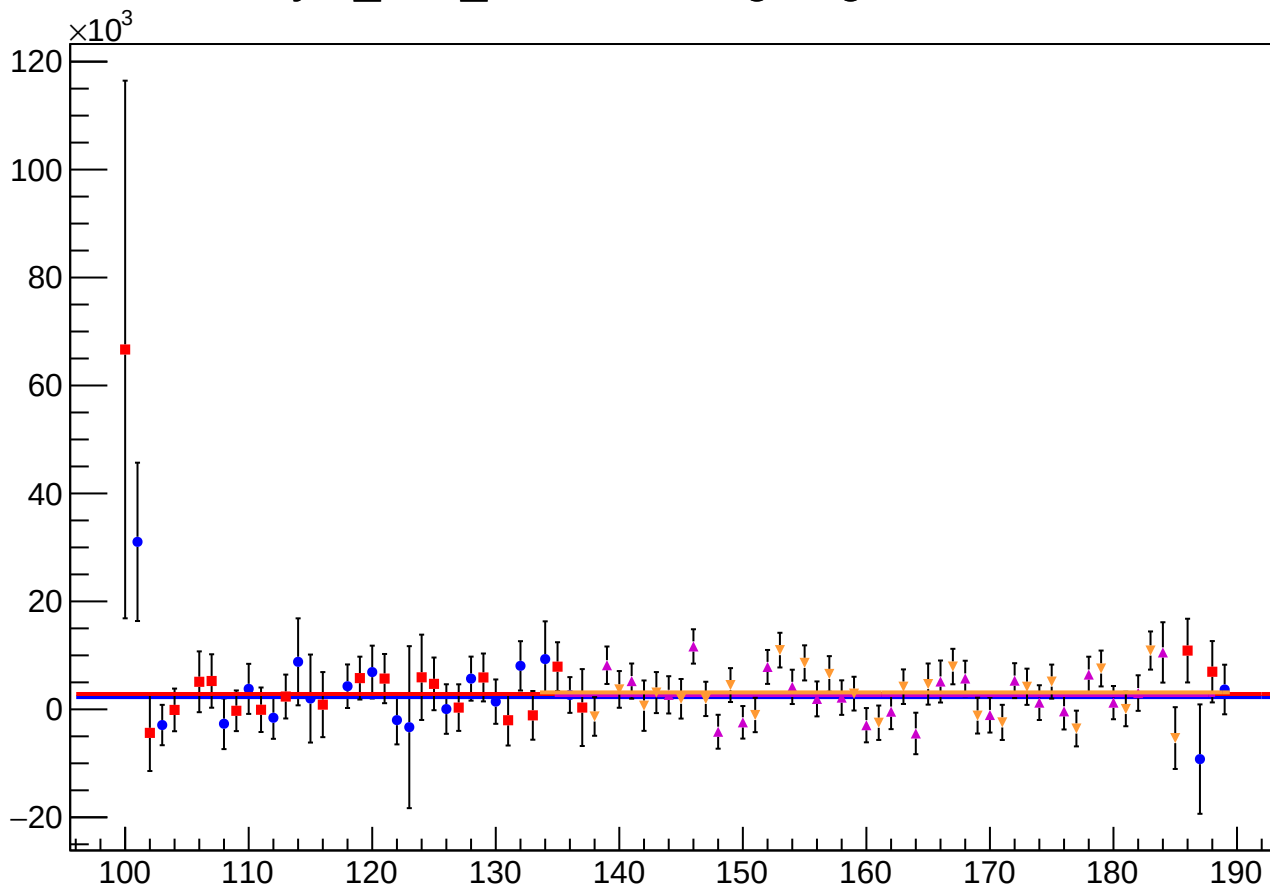
Right: 1623.438+/-1.044 χ^2/NDF : 412738.6/3

In: 815.109+/-0.138 χ^2/NDF :1231993.2/24

Out: 827.325+/-0.137 χ^2/NDF :1797187.2/26

All: 821.224+/-0.097 χ^2/NDF : 3033128.1/51

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2269.723+/-1114.753 χ^2 /NDF: 15.8/18

Left Out: 3139.358+/-680.222 χ^2 /NDF:38.3/24

Right Out: 2845.532+/-1071.398 χ^2 /NDF: 12.6/20

Left In: 2659.828+/-693.121 χ^2 /NDF:36.9/22

Left: 2904.096+/-485.486 χ^2 /NDF: 75.4/47

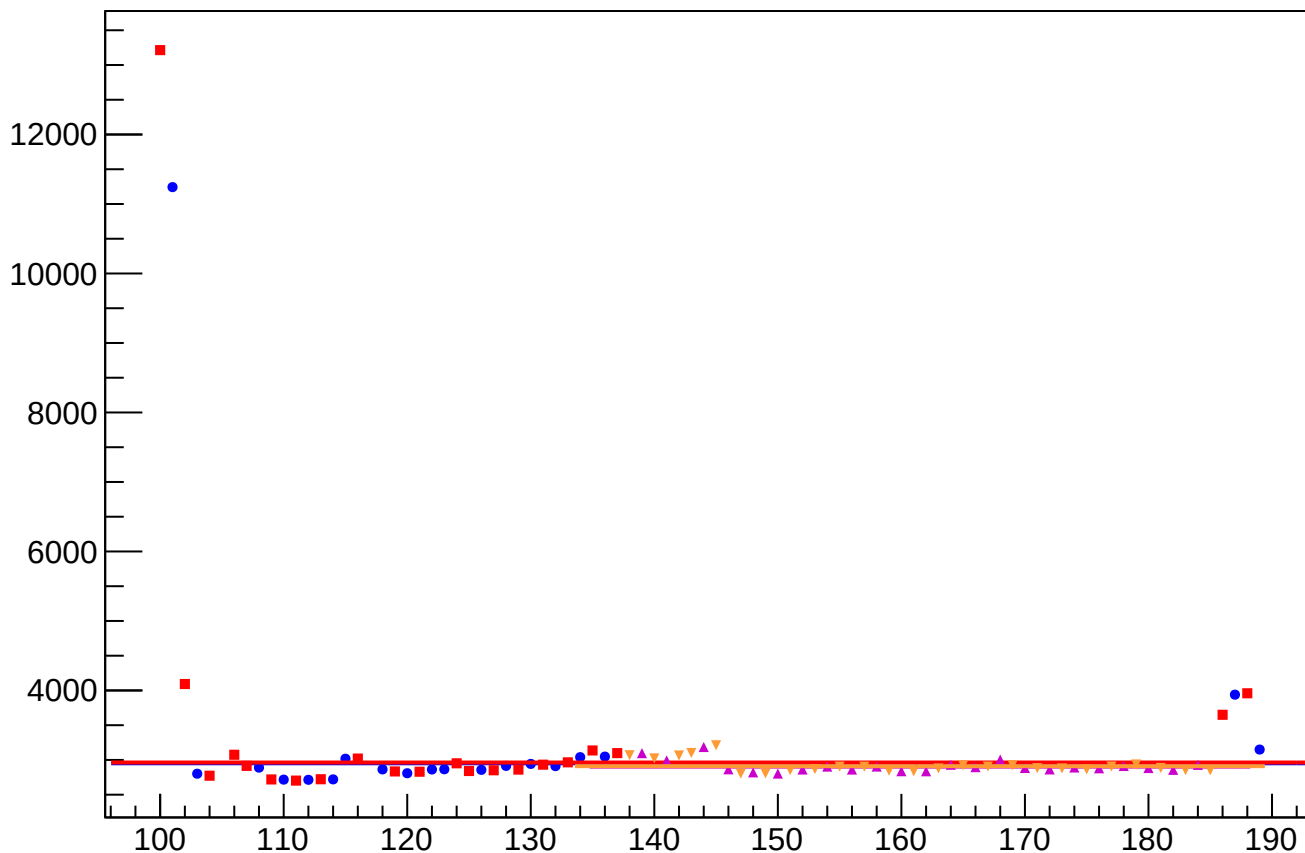
Right: 2569.042+/-772.466 χ^2 /NDF: 28.5/39

In: 2551.062+/-588.618 χ^2 /NDF:52.8/41

Out: 3054.946+/-574.260 χ^2 /NDF:50.9/45

All: 2809.225+/-411.045 χ^2 /NDF: 104.1/87

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2951.994+/-0.788 χ^2/NDF : 686446.4/18

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

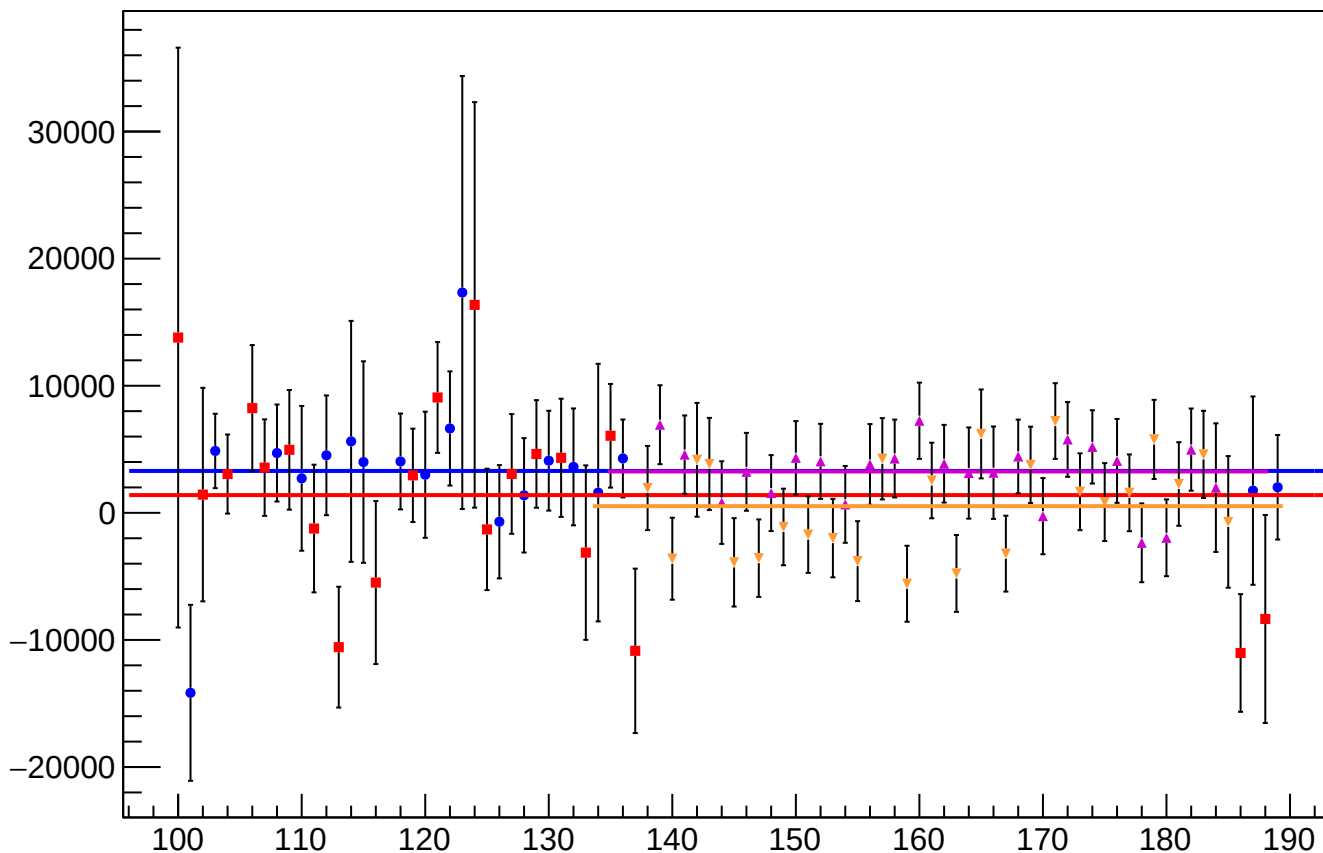
Right: 2957.784+/-0.546 χ^2/NDF : 951247.5/39

In: 2917.741+/-0.416 χ^2/NDF : 719487.8/41

Out: 2925.522+/-0.406 χ^2/NDF : 304235.8/45

All: 2921.728+/-0.291 χ^2/NDF : 1023902.7/87

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3296.354 $\pm$ 1066.931 χ^2 /NDF: 9.5/18

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

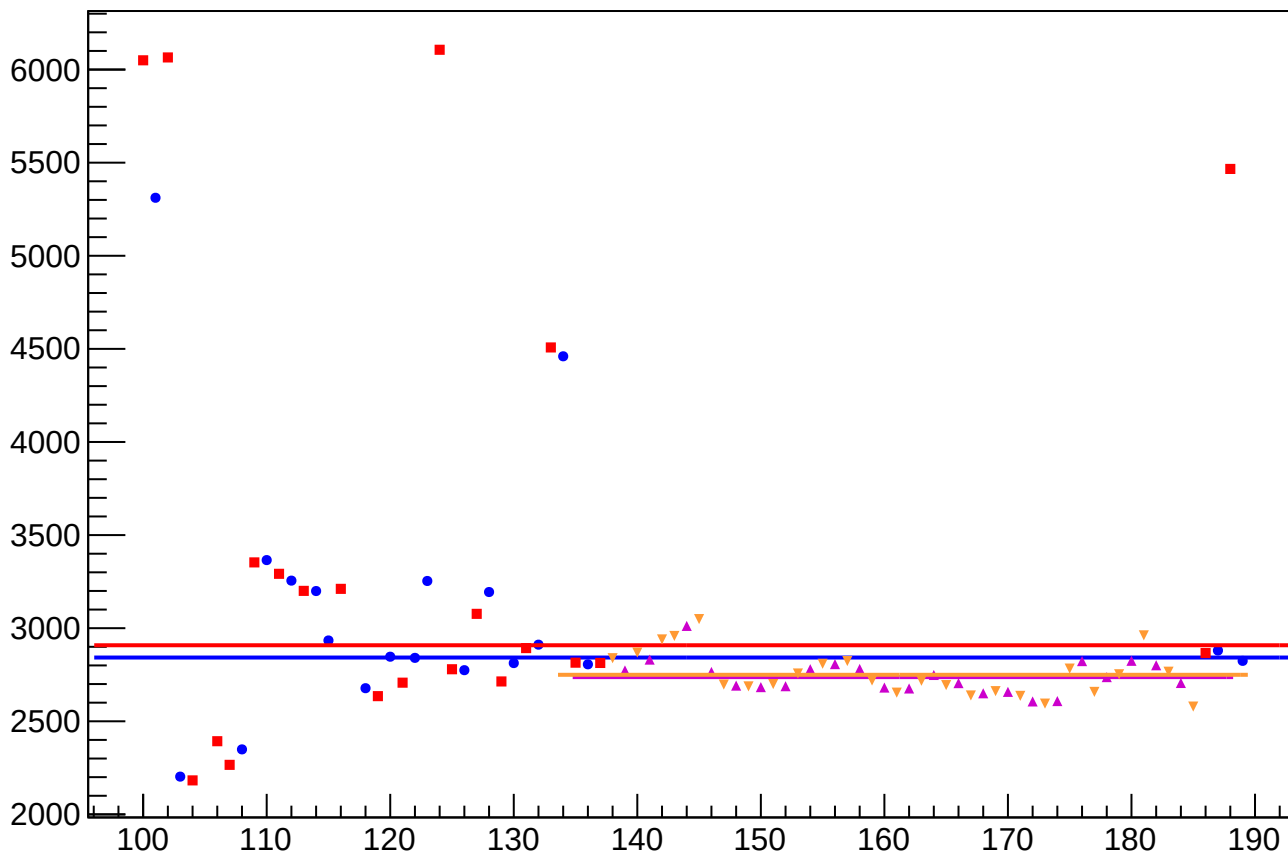
Right: 2350.001 $\pm$ 756.002 χ^2 /NDF: 41.8/39

In: 3265.588 $\pm$ 556.569 χ^2 /NDF: 24.3/41

Out: 755.688 $\pm$ 550.927 χ^2 /NDF: 65.7/45

All: 1997.852 $\pm$ 391.543 χ^2 /NDF: 100.2/87

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2842.415 $\pm$ 0.754 χ^2/NDF : 488205.1/18

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

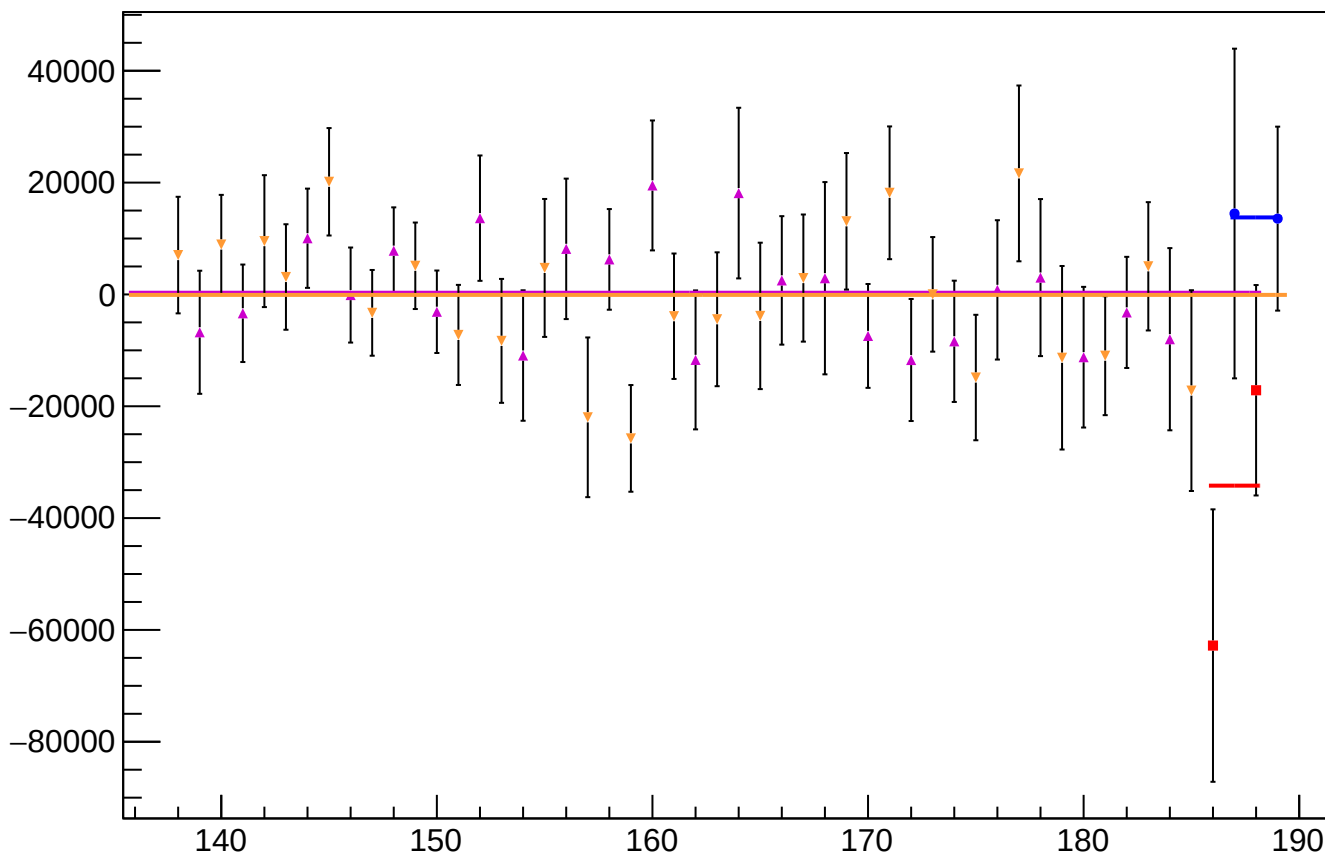
Right: 2875.250 $\pm$ 0.534 χ^2/NDF : 1451673.4/39

In: 2765.887 $\pm$ 0.394 χ^2/NDF : 539113.5/41

Out: 2791.642 $\pm$ 0.390 χ^2/NDF : 1053175.4/45

All: 2778.897 $\pm$ 0.277 χ^2/NDF : 1594452.2/87

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: 13772.233+/-14365.187 χ^2/NDF : 0.0/1

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

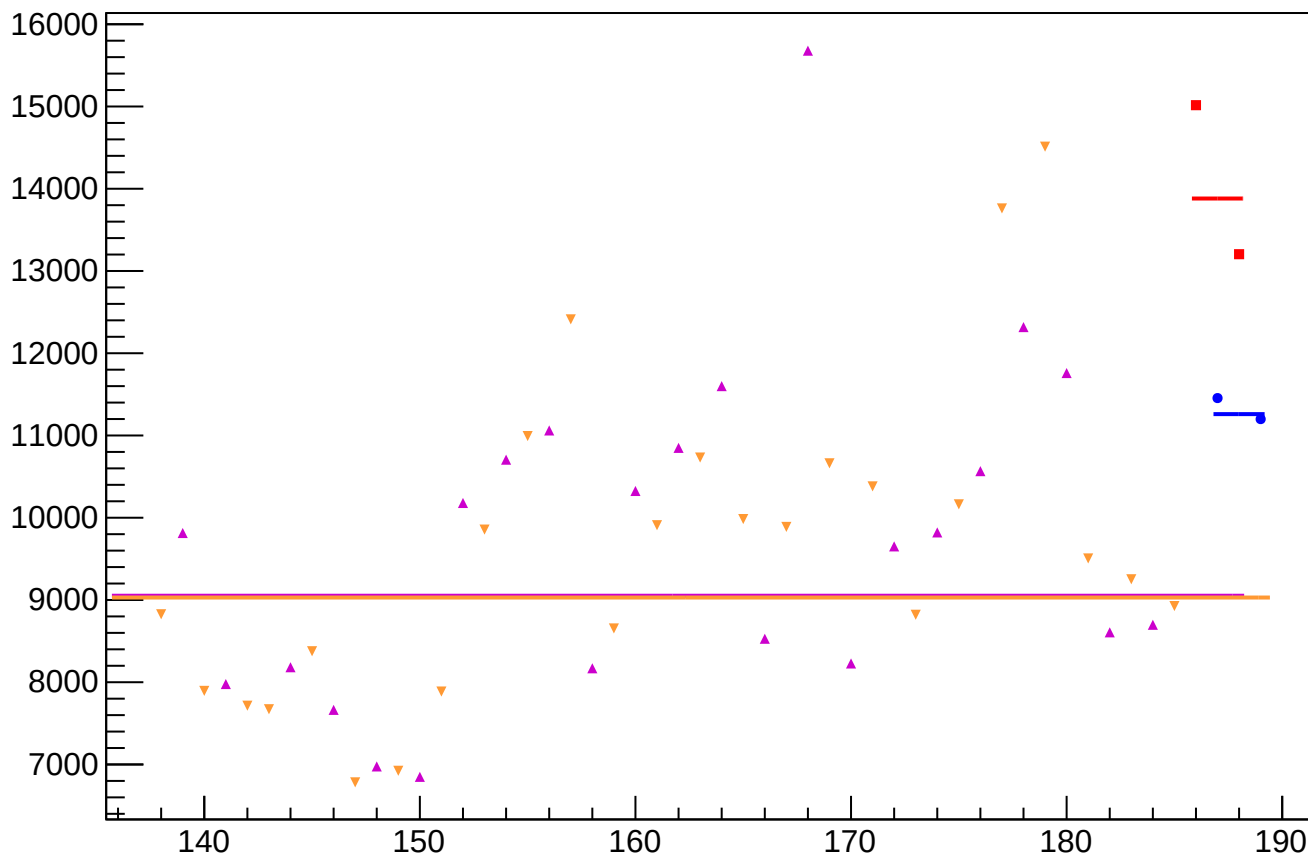
Right: -9349.265+/-10338.942 χ^2/NDF : 7.6/3

In: 611.946+/-2176.141 χ^2/NDF : 15.9/24

Out: -783.324+/-2134.234 χ^2/NDF : 35.8/26

All: -99.253+/-1523.731 χ^2/NDF : 51.9/51

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 11259.770+/-10.158 χ^2/NDF : 114.7/1

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

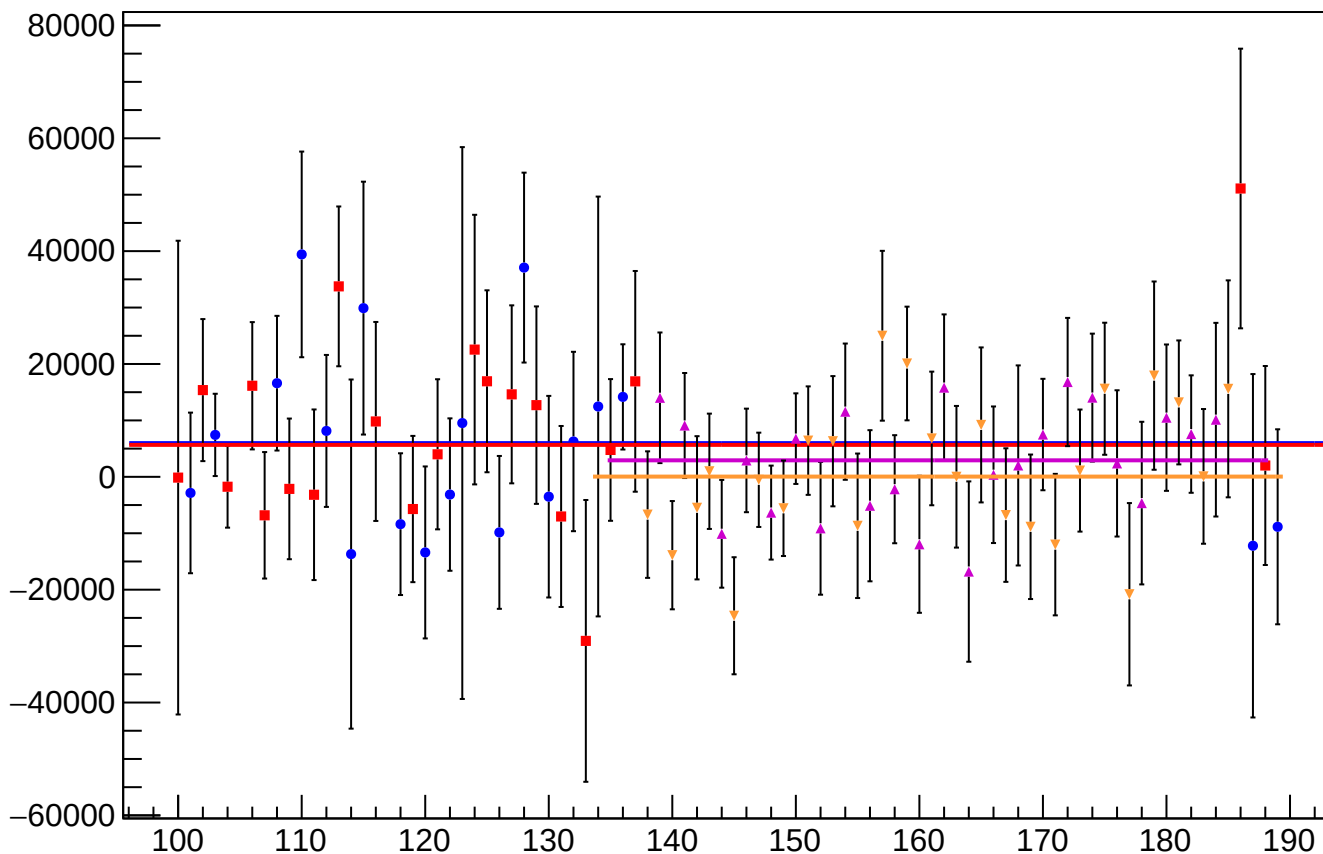
Right: 12523.251+/-7.311 χ^2/NDF : 39142.4/3

In: 9102.287+/-1.539 χ^2/NDF :1301510.2/24

Out: 9129.409+/-1.509 χ^2/NDF :1420366.9/26

All: 9116.112+/-1.077 χ^2/NDF : 2722035.5/51

asym_atr2_mean vs Slug, Sign Corrected



Right In: 5972.384+/-3304.233 χ^2/NDF : 16.5/18

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

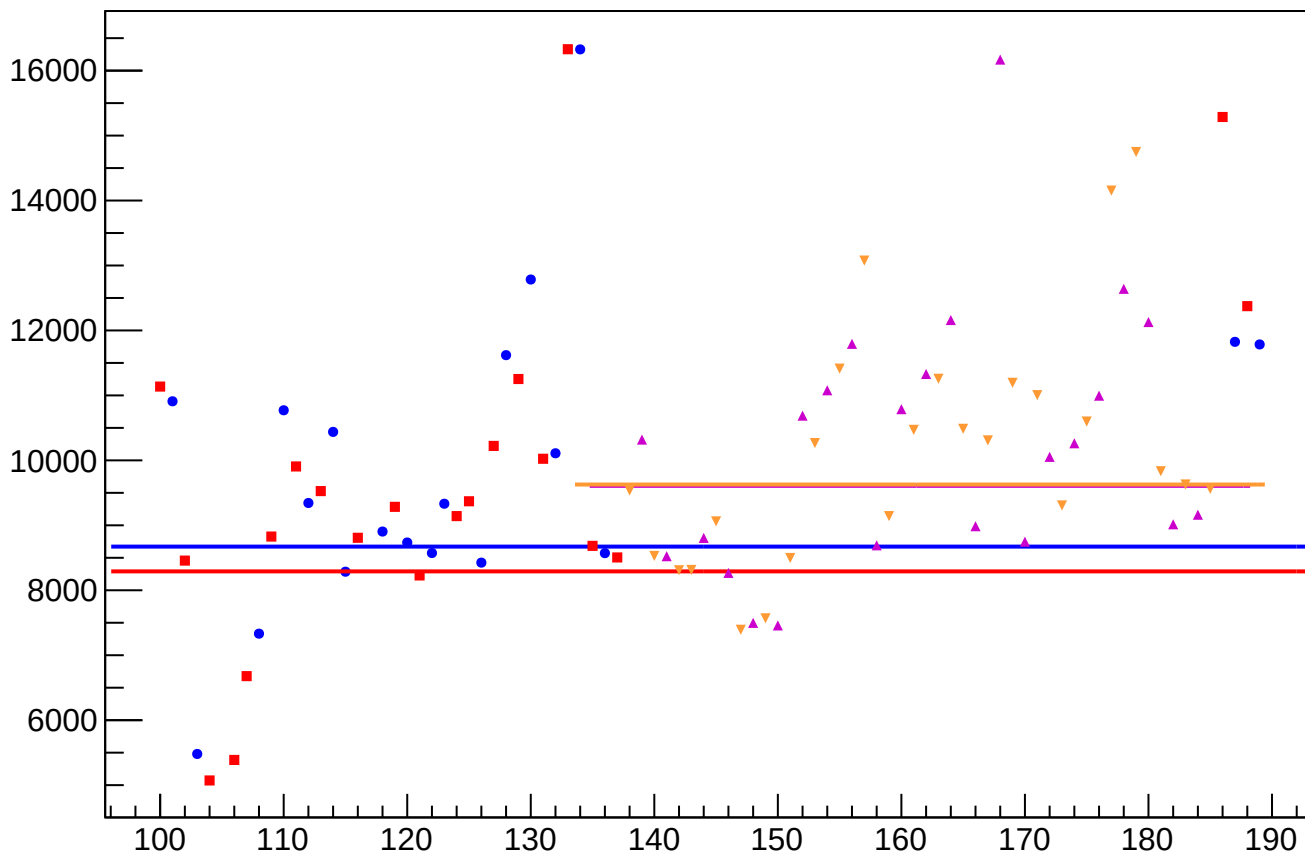
Right: 5808.950+/-2258.196 χ^2/NDF : 33.6/39

In: 3937.753+/-1904.507 χ^2/NDF : 31.7/41

Out: 2034.724+/-1840.982 χ^2/NDF : 45.0/45

All: 2953.972+/-1323.659 χ^2/NDF : 77.2/87

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8672.304 $\pm$ 2.336 χ^2/NDF : 853345.5/18

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

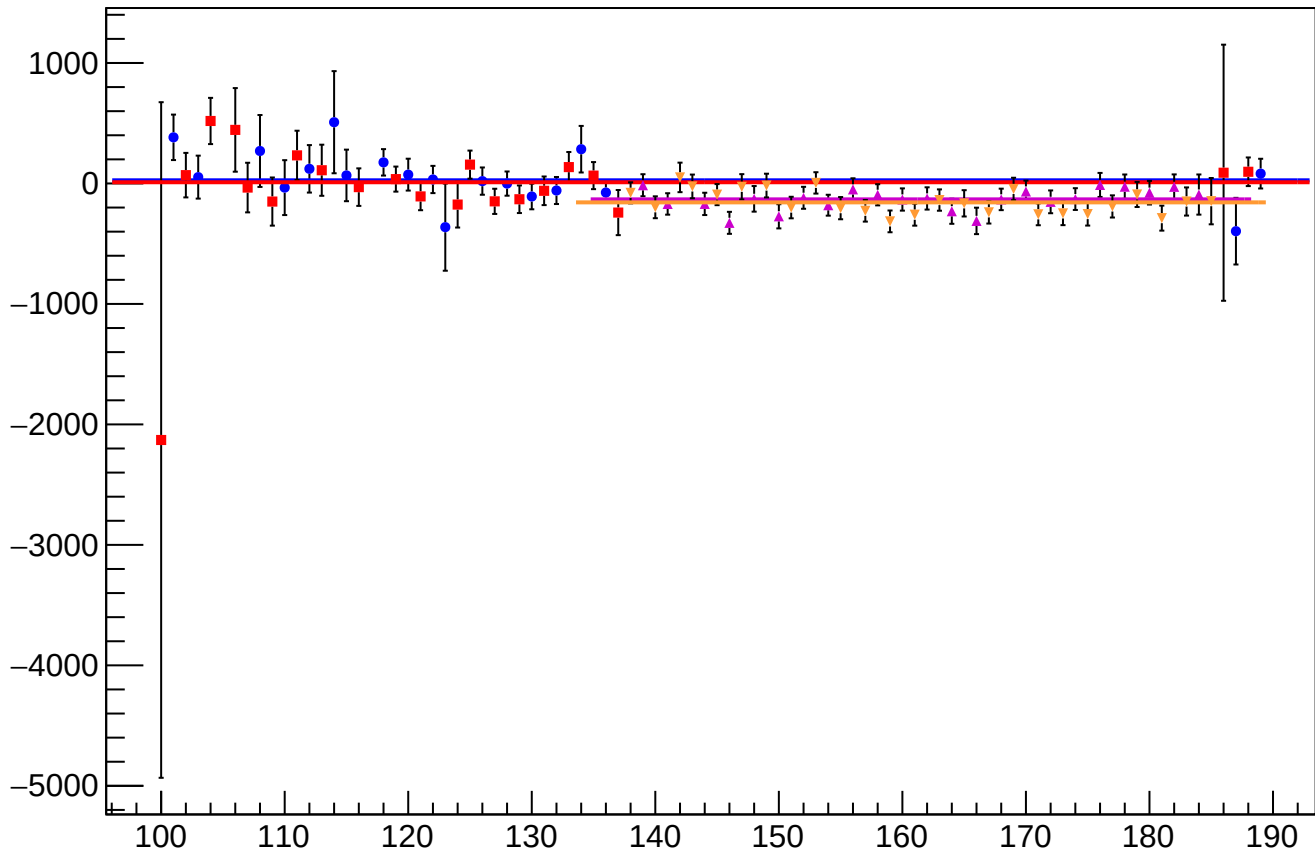
Right: 8468.967 $\pm$ 1.597 χ^2/NDF : 2098542.8/39

In: 9296.846 $\pm$ 1.347 χ^2/NDF :2045809.8/41

Out: 9154.222 $\pm$ 1.302 χ^2/NDF :2476947.3/45

All: 9223.115 $\pm$ 0.936 χ^2/NDF : 4528555.5/87

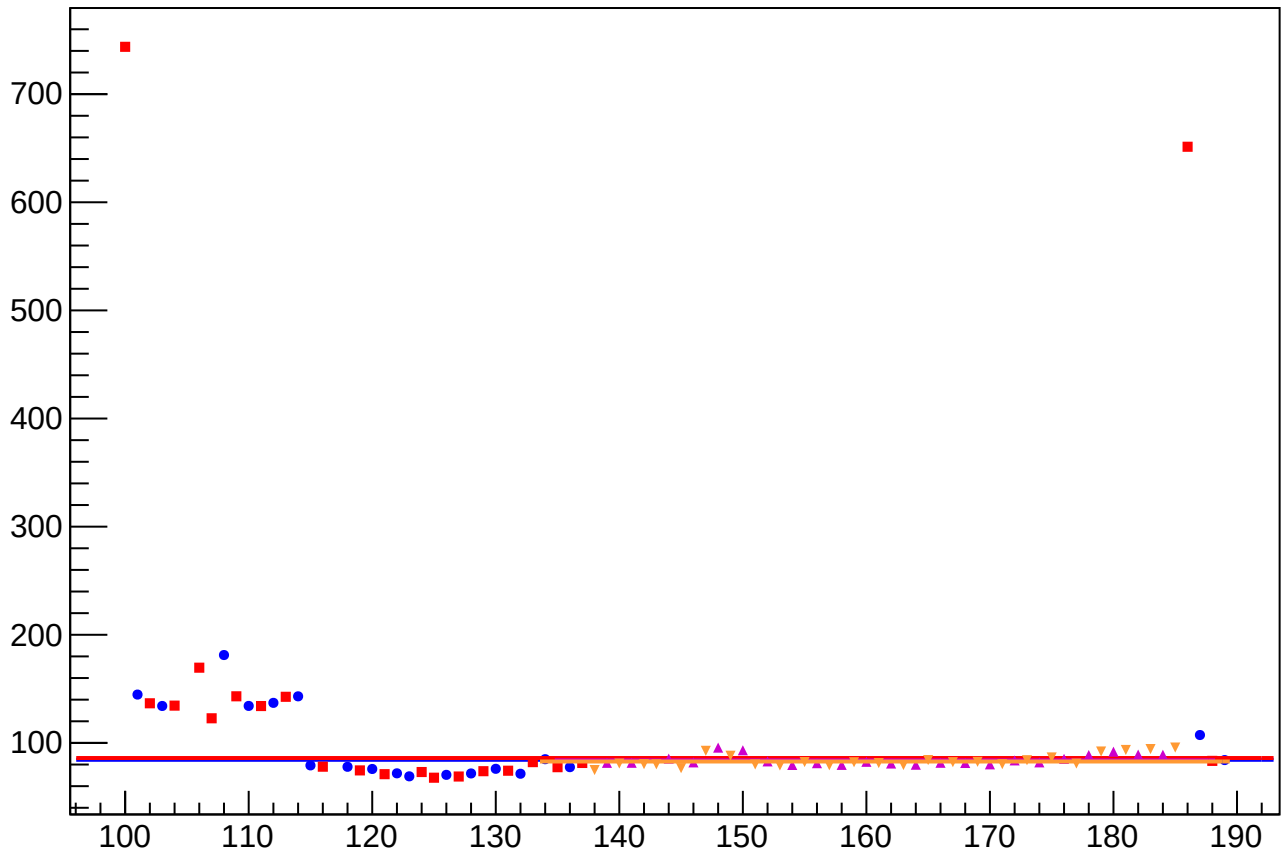
dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 26.177 ± 32.267 $\chi^2/\text{NDF}: 17.0/18$
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: 18.141 ± 22.862 $\chi^2/\text{NDF}: 40.0/39$
In: -88.122 ± 17.008 $\chi^2/\text{NDF}: 52.3/41$
Out: -112.998 ± 16.621 $\chi^2/\text{NDF}: 68.4/45$
All: -100.846 ± 11.887 $\chi^2/\text{NDF}: 121.9/87$

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.387 $\pm$ 0.023 χ^2 /NDF: 1019756.1/18

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

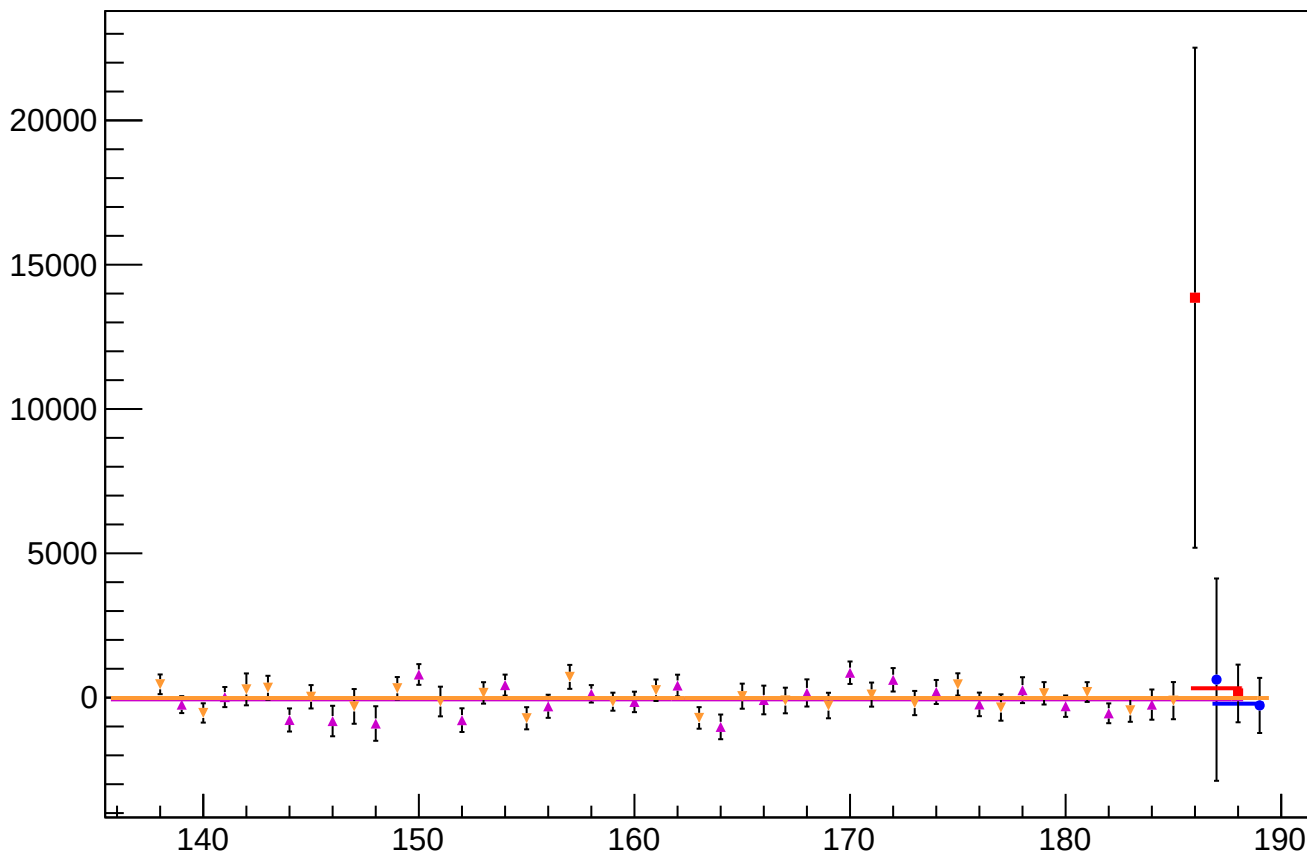
Right: 85.202 $\pm$ 0.016 χ^2 /NDF: 2804479.2/39

In: 84.004 $\pm$ 0.012 χ^2 /NDF:1114715.6/41

Out: 83.661 $\pm$ 0.012 χ^2 /NDF:1932571.7/45

All: 83.829 $\pm$ 0.008 χ^2 /NDF: 3047702.6/87

asym_sam1_correction_mean vs Slug, Sign Corrected



Right In: -209.036+/-921.189 χ^2/NDF : 0.1/1

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

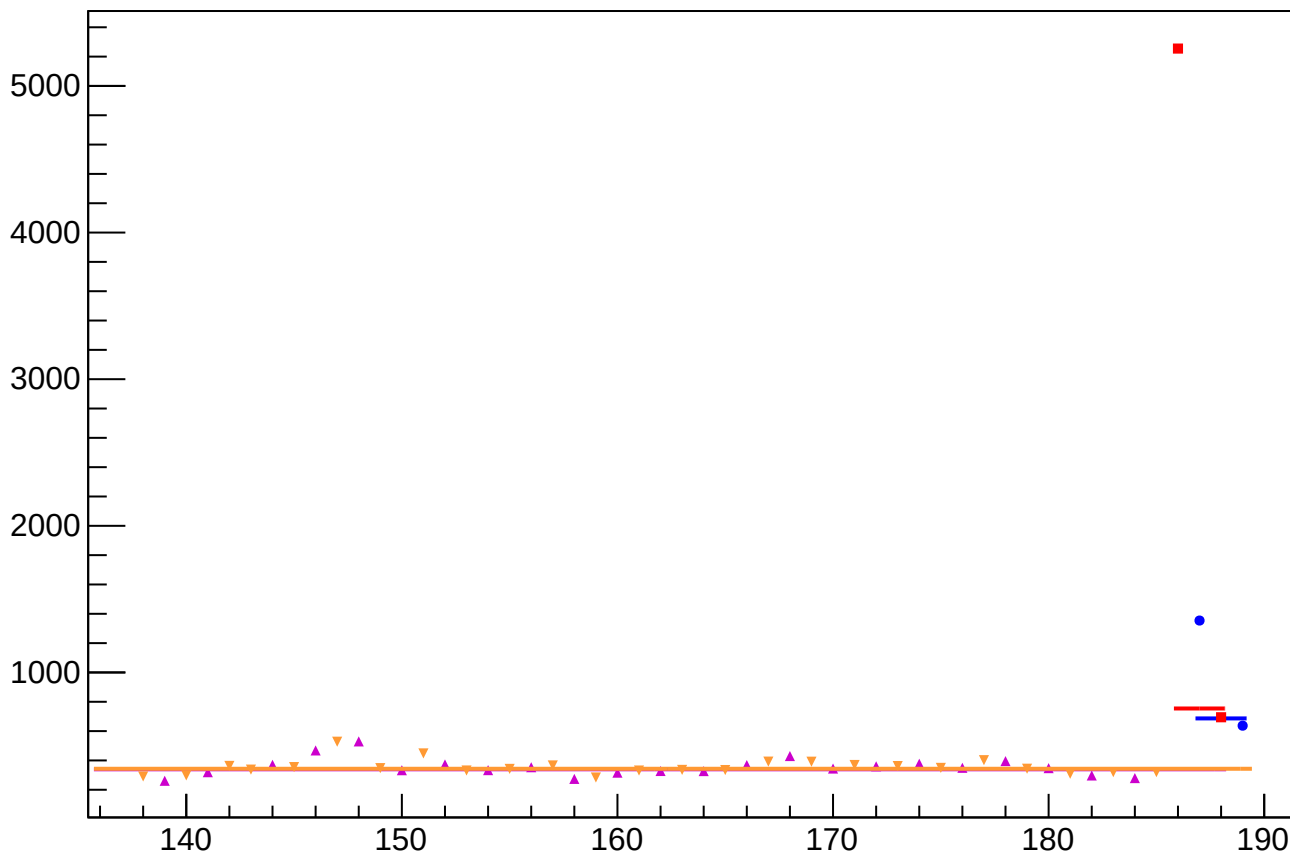
Right: 37.880+/-675.118 χ^2/NDF : 2.7/3

In: -61.392+/-81.629 χ^2/NDF :38.0/24

Out: -11.183+/-80.629 χ^2/NDF :24.2/26

All: -35.978+/-57.364 χ^2/NDF : 62.4/51

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 686.541+/-0.651 χ^2/NDF : 77913.0/1

Left Out: 343.128+/-0.057 χ^2/NDF : 566334.3/24

Right Out: 754.252+/-0.702 χ^2/NDF : 546899.9/1

Left In: 339.423+/-0.058 χ^2/NDF : 795958.6/22

Left: 341.300+/-0.041 χ^2/NDF : 1364363.7/47

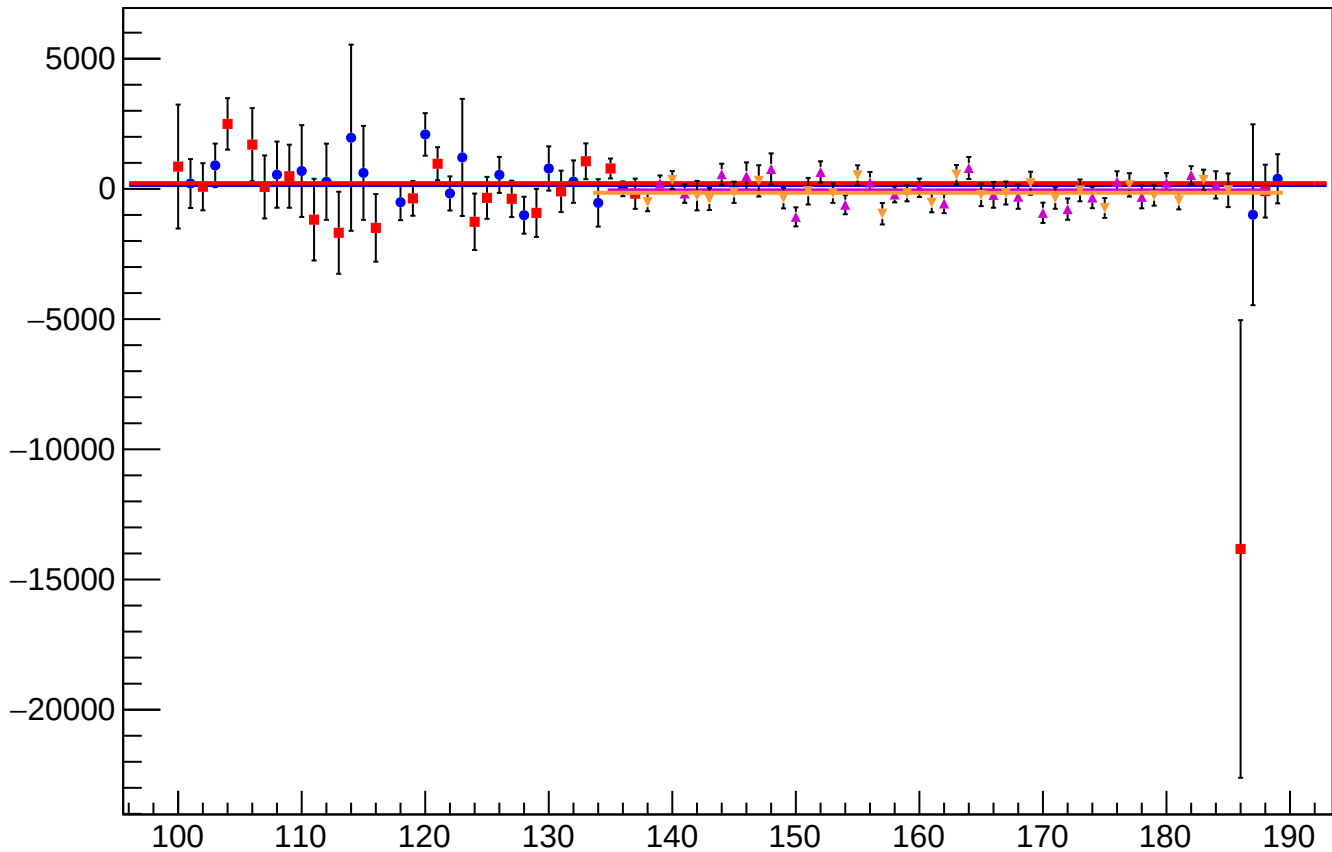
Right: 717.884+/-0.477 χ^2/NDF : 629814.8/3

In: 342.149+/-0.058 χ^2/NDF : 1155621.3/24

Out: 345.843+/-0.057 χ^2/NDF : 1454285.6/26

All: 344.018+/-0.041 χ^2/NDF : 2611980.3/51

asym_sam1_mean vs Slug, Sign Corrected



Right In: 149.067 $\pm$ 175.867 χ^2 /NDF: 13.0/18

Left Out: -148.809 $\pm$ 81.017 χ^2 /NDF:22.0/24

Right Out: 221.597 $\pm$ 181.009 χ^2 /NDF: 24.3/20

Left In: -56.402 $\pm$ 82.155 χ^2 /NDF:39.7/22

Left: -103.250 $\pm$ 57.686 χ^2 /NDF: 62.3/47

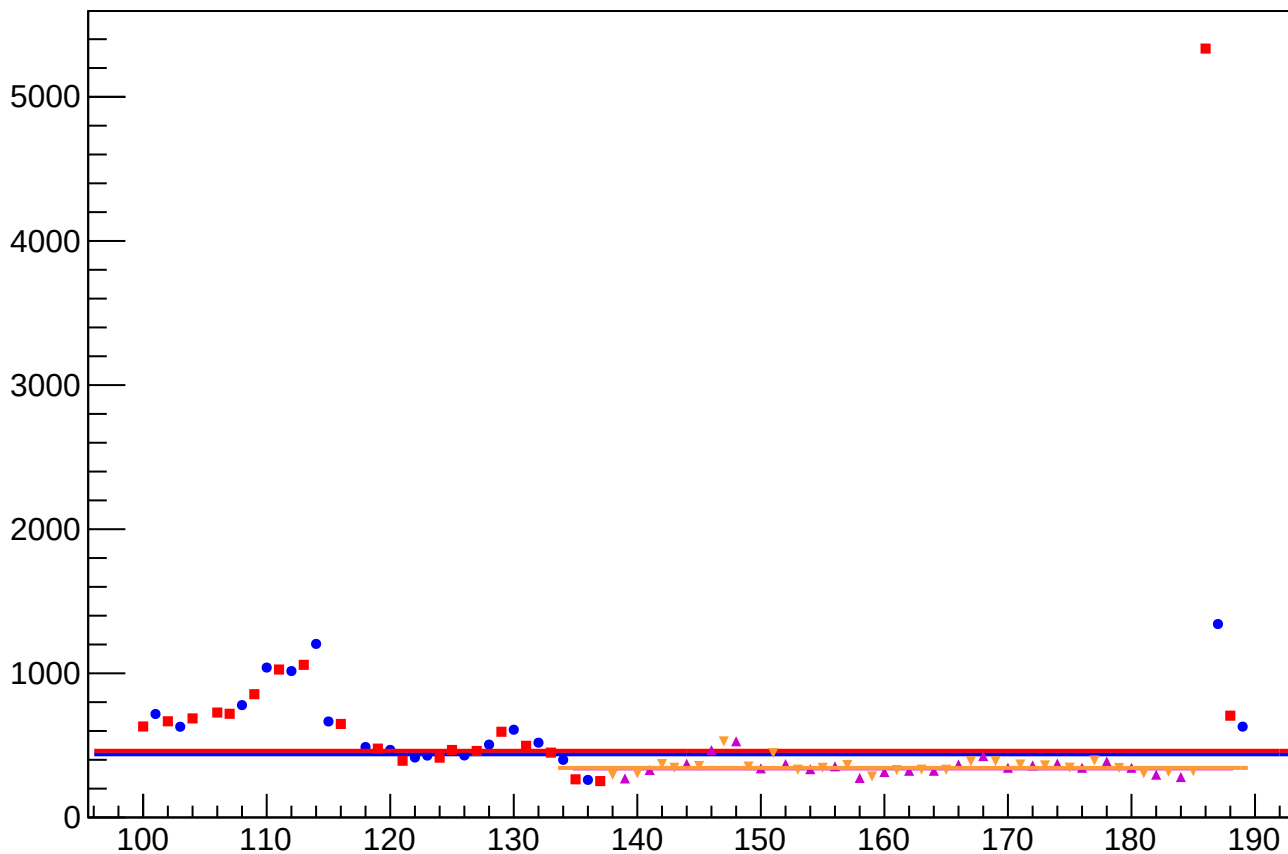
Right: 184.287 $\pm$ 126.135 χ^2 /NDF: 37.4/39

In: -19.596 $\pm$ 74.434 χ^2 /NDF:53.8/41

Out: -86.989 $\pm$ 73.948 χ^2 /NDF:49.8/45

All: -53.513 $\pm$ 52.460 χ^2 /NDF: 104.0/87

asym_sam1_rms vs Slug, Sign Corrected



Right In: 438.177+/-0.124 χ^2/NDF : 2235774.5/18

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

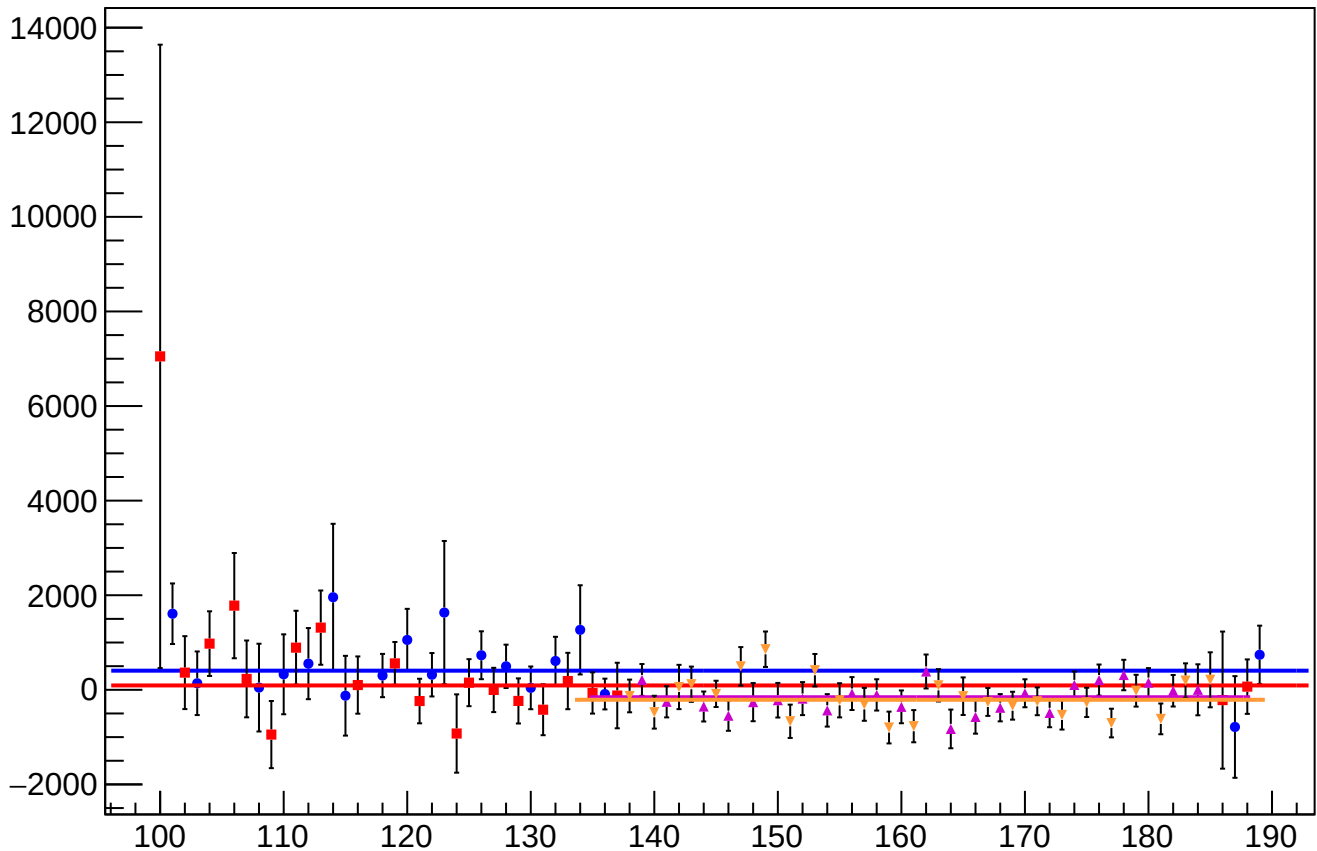
Right: 450.063+/-0.089 χ^2/NDF : 5029901.5/39

In: 358.013+/-0.053 χ^2/NDF : 3479057.1/41

Out: 363.605+/-0.052 χ^2/NDF : 4033391.6/45

All: 360.827+/-0.037 χ^2/NDF : 7518128.9/87

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 404.760 $\pm$ 135.408 χ^2/NDF : 12.9/18

Left Out: -210.579 $\pm$ 68.284 χ^2/NDF :32.3/24

Right Out: 92.522 $\pm$ 134.706 χ^2/NDF : 15.7/20

Left In: -156.945 $\pm$ 69.984 χ^2/NDF :18.0/22

Left: -184.421 $\pm$ 48.874 χ^2/NDF : 50.6/47

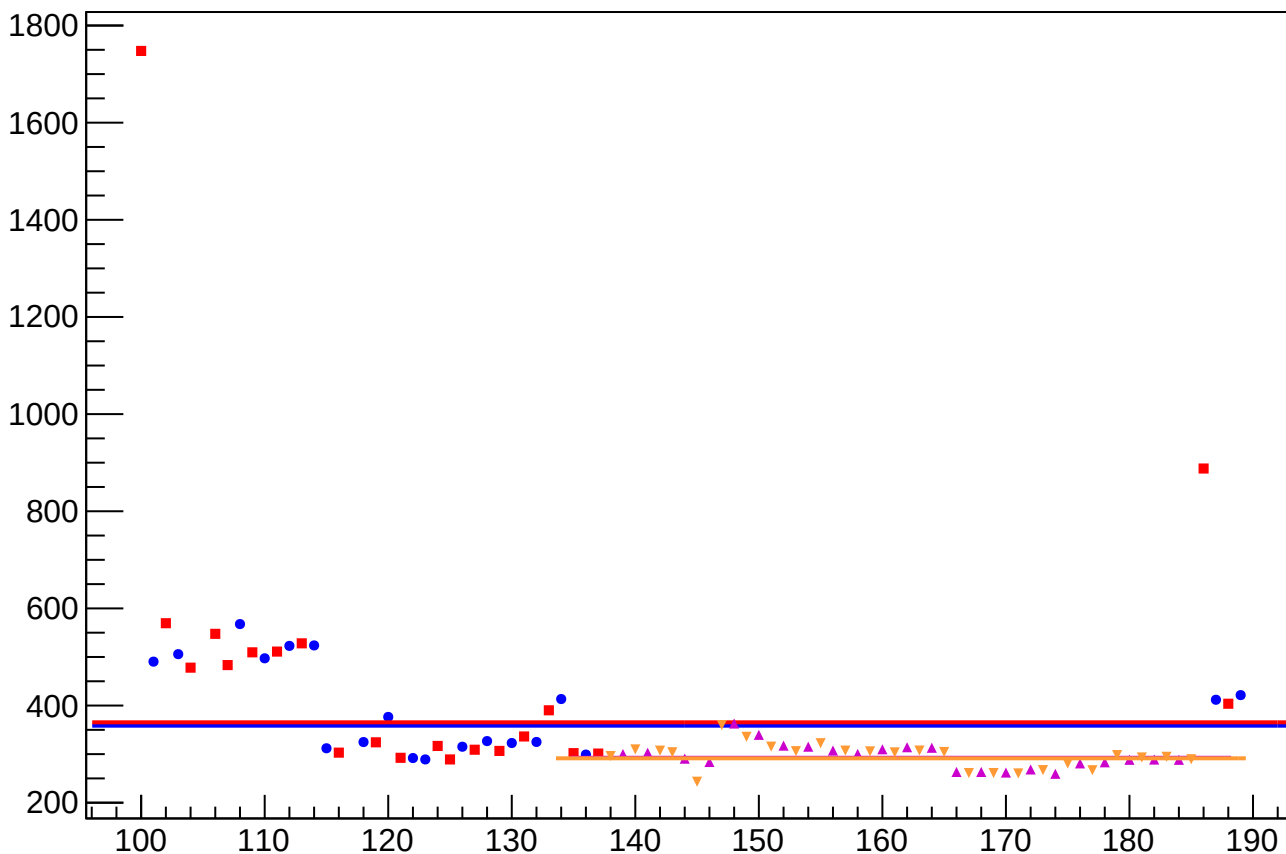
Right: 247.830 $\pm$ 95.499 χ^2/NDF : 31.3/39

In: -38.531 $\pm$ 62.171 χ^2/NDF :44.5/41

Out: -148.616 $\pm$ 60.906 χ^2/NDF :52.0/45

All: -94.705 $\pm$ 43.507 χ^2/NDF : 98.1/87

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 358.577+/-0.096 χ^2/NDF : 663799.8/18

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

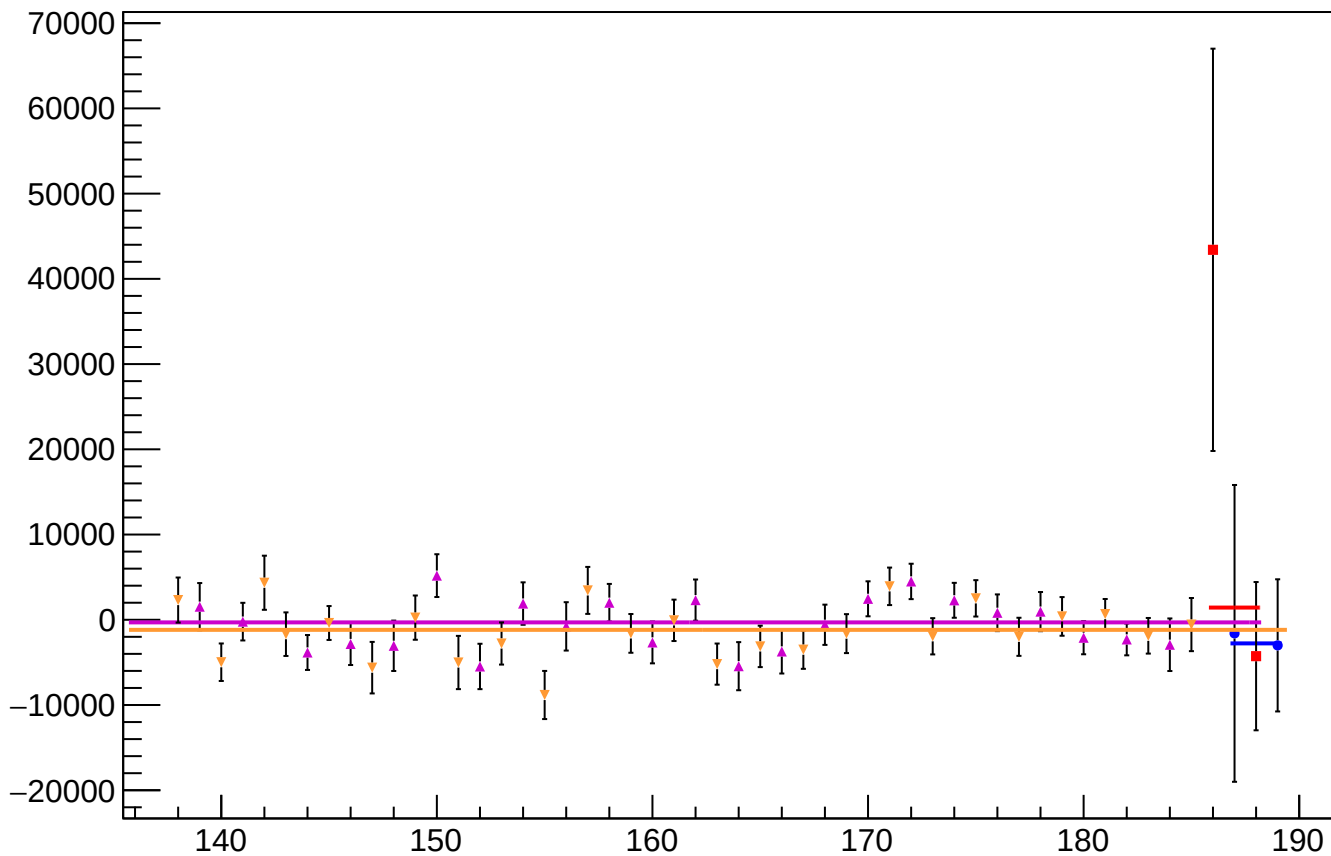
Right: 362.045+/-0.068 χ^2/NDF : 1819700.6/39

In: 306.405+/-0.044 χ^2/NDF : 1279791.0/41

Out: 306.532+/-0.043 χ^2/NDF : 1927747.3/45

All: 306.470+/-0.031 χ^2/NDF : 3207542.5/87

asym_sam2_correction_mean vs Slug, Sign Corrected



Right In: -2770.731+/-7082.649 χ^2/NDF : 0.0/1

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

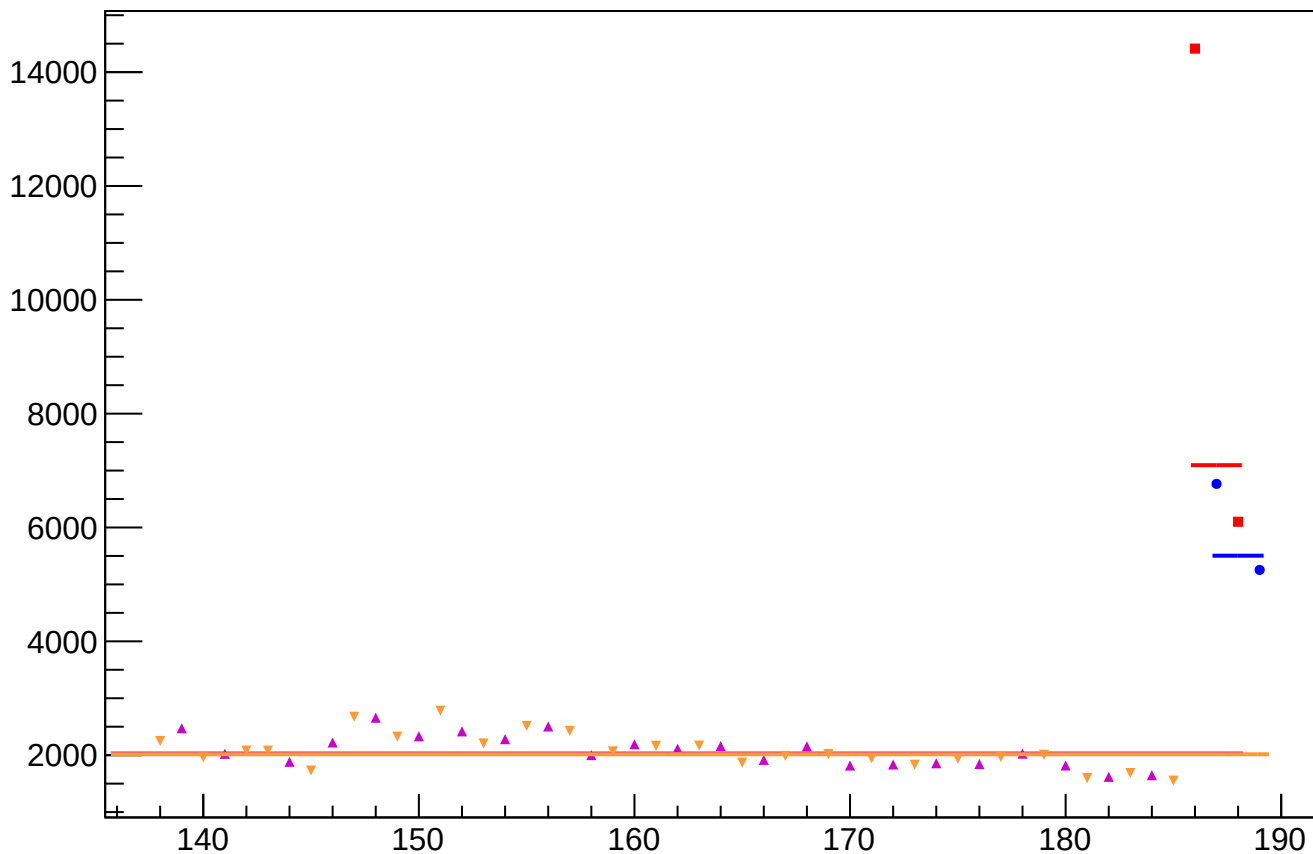
Right: -965.436+/-5349.283 χ^2/NDF : 3.7/3

In: -318.259+/-486.505 χ^2/NDF : 35.2/24

Out: -1173.941+/-474.771 χ^2/NDF : 41.3/26

All: -756.544+/-339.786 χ^2/NDF : 78.1/51

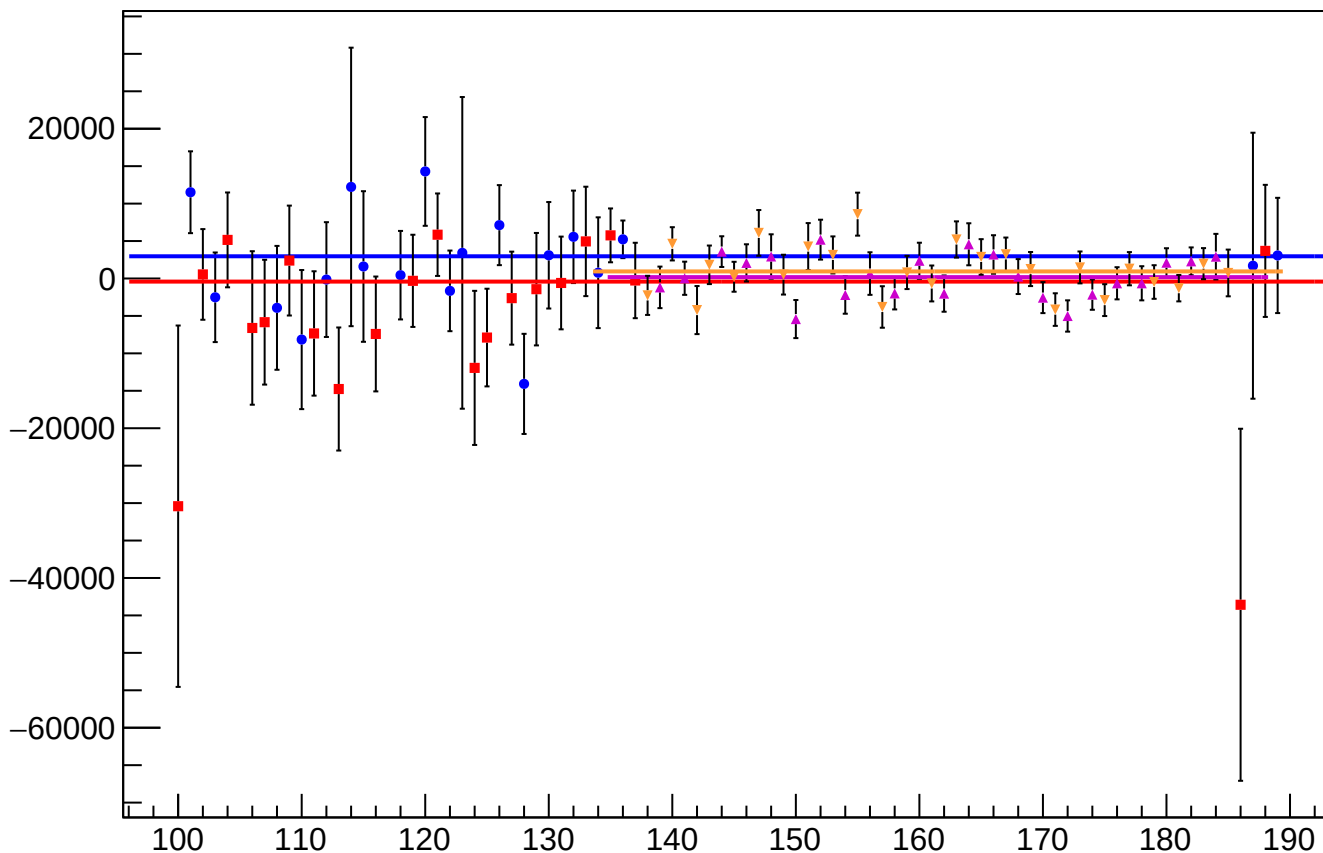
asym_sam2_correction_rms vs Slug, Sign Corrected



Right In: 5504.296+/-5.008 χ^2/NDF : 12594.8/1
 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: 6187.512+/-3.783 χ^2/NDF : 274347.8/3
 In: 2044.971+/-0.344 χ^2/NDF : 1047813.3/24
 Out: 2032.689+/-0.336 χ^2/NDF : 1663235.9/26
 All: 2038.680+/-0.240 χ^2/NDF : 2711702.0/51

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2964.705 $\pm$ 1411.426 χ^2 /NDF: 17.4/18

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

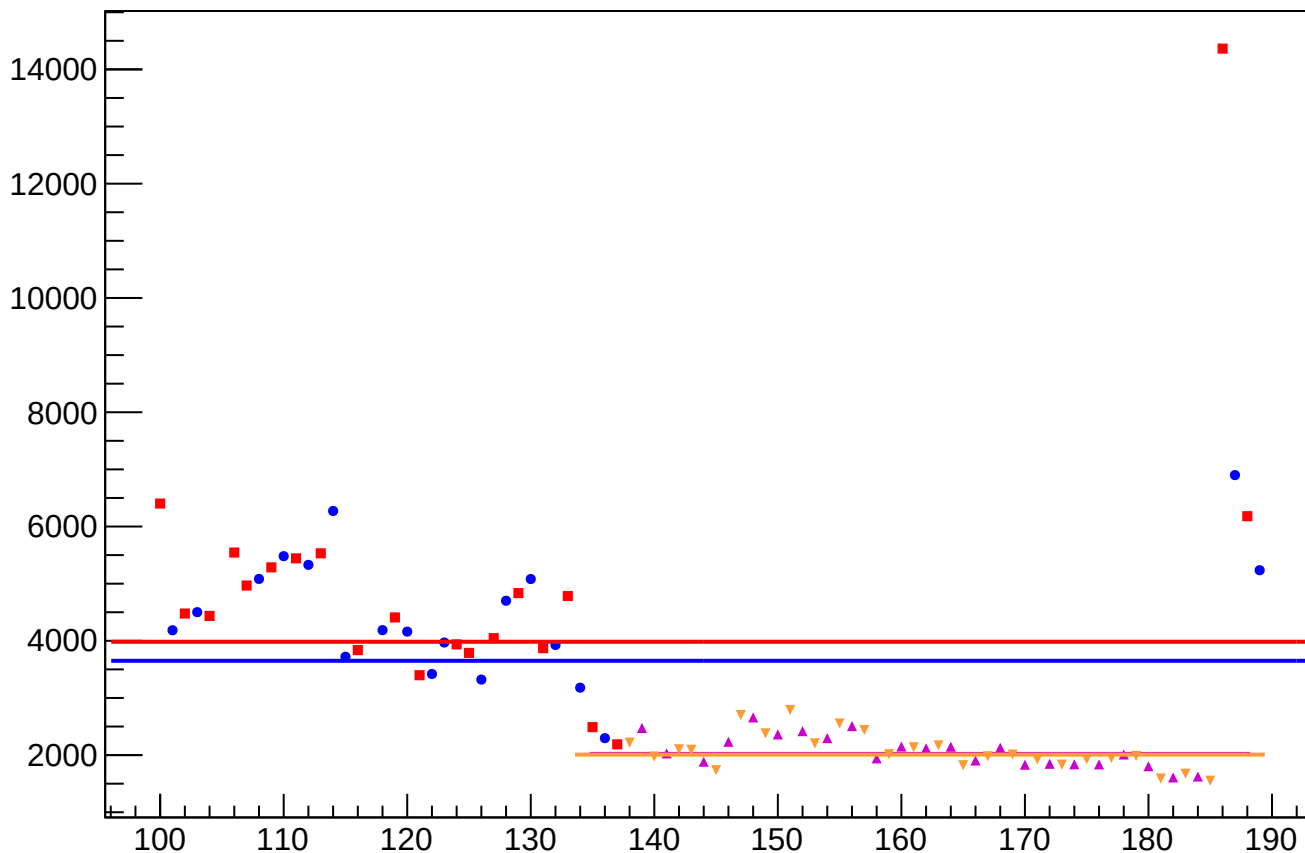
Right: 1357.261 $\pm$ 1022.258 χ^2 /NDF: 39.0/39

In: 475.371 $\pm$ 459.616 χ^2 /NDF:53.8/41

Out: 816.522 $\pm$ 451.866 χ^2 /NDF:58.0/45

All: 648.847 $\pm$ 322.222 χ^2 /NDF: 112.0/87

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3650.359+/-0.998 χ^2/NDF : 1246180.6/18

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

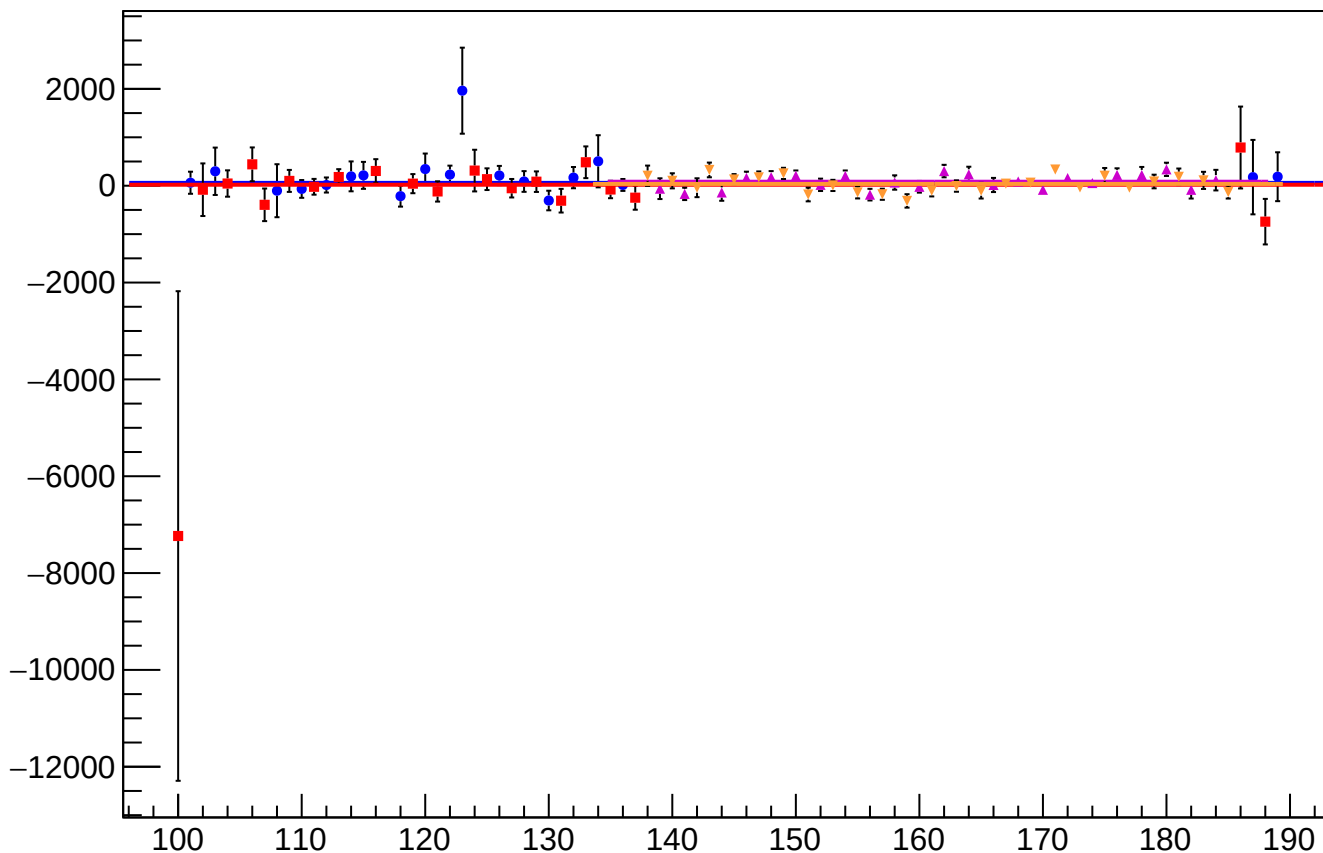
Right: 3808.845+/-0.723 χ^2/NDF : 2811657.7/39

In: 2193.678+/-0.325 χ^2/NDF : 4205551.4/41

Out: 2192.344+/-0.320 χ^2/NDF : 5440572.1/45

All: 2192.999+/-0.228 χ^2/NDF : 9646132.1/87

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 58.627+/-53.446 χ^2/NDF : 14.2/18

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

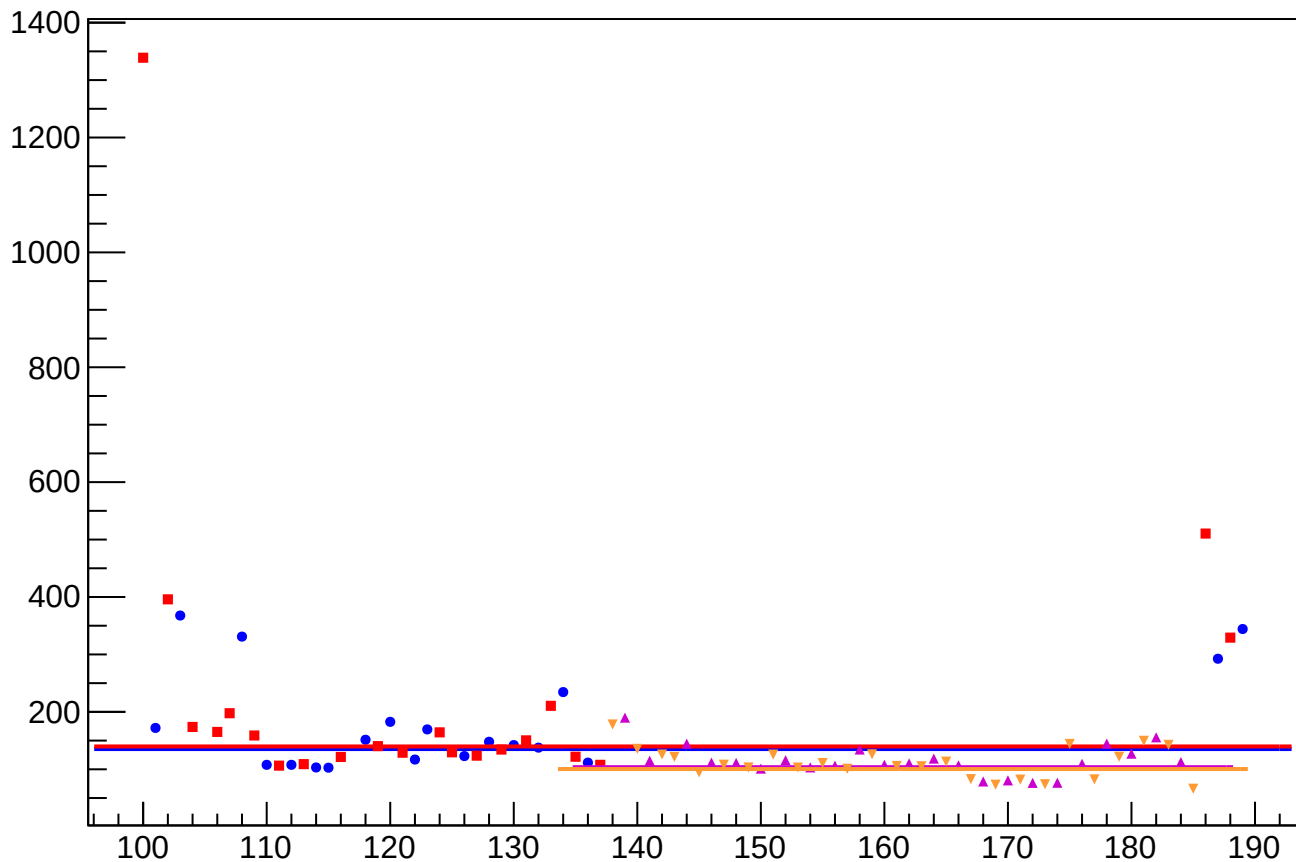
Right: 39.544+/-37.836 χ^2/NDF : 32.2/39

In: 77.903+/-23.175 χ^2/NDF : 44.0/41

Out: 34.165+/-22.200 χ^2/NDF : 59.7/45

All: 55.095+/-16.032 χ^2/NDF : 105.6/87

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 135.258 $\pm$ 0.038 χ^2 /NDF: 1578096.7/18

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

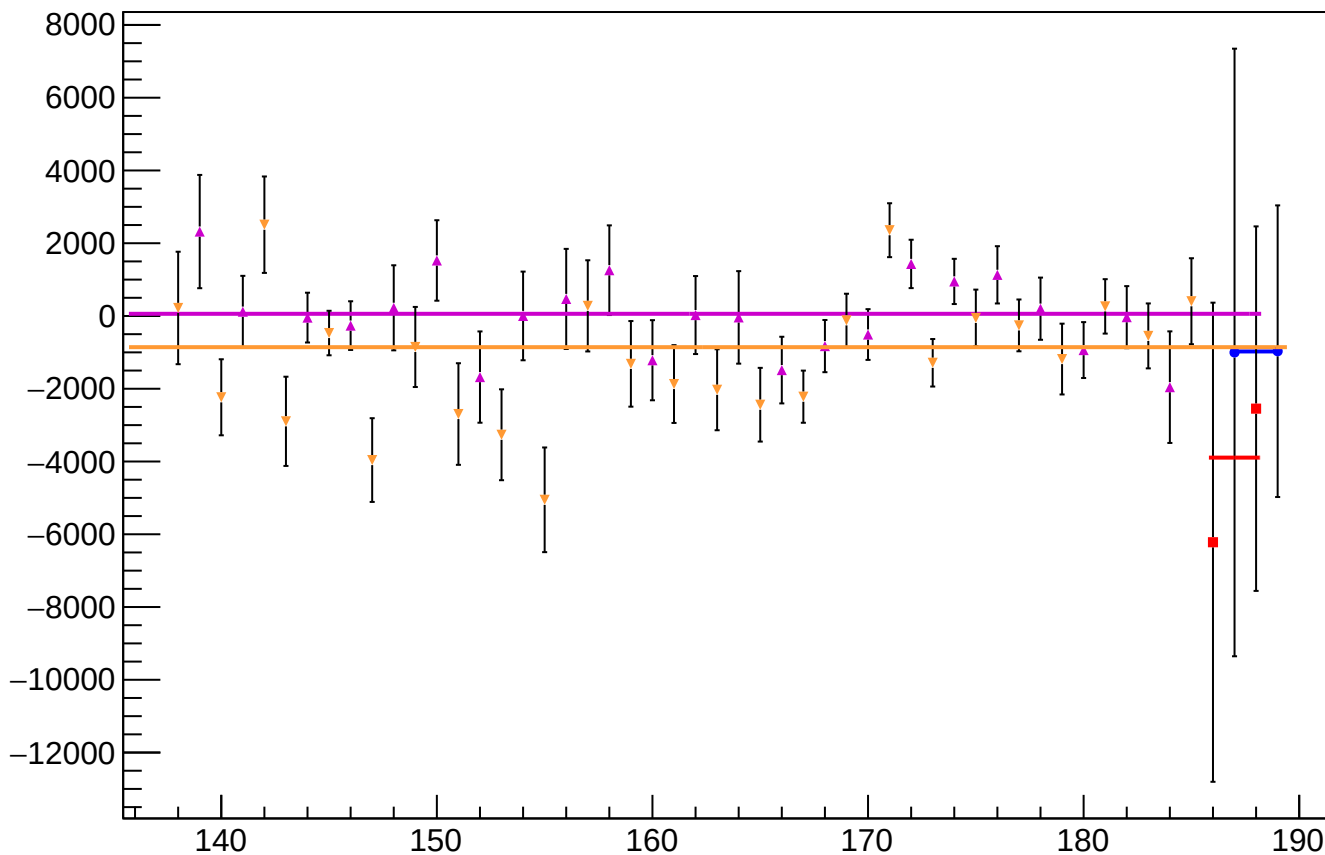
Right: 137.517 $\pm$ 0.027 χ^2 /NDF: 3314620.6/39

In: 109.639 $\pm$ 0.016 χ^2 /NDF:3784675.2/41

Out: 107.222 $\pm$ 0.016 χ^2 /NDF:4479517.8/45

All: 108.379 $\pm$ 0.011 χ^2 /NDF: 8275541.4/87

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: -974.643+/-3613.621 χ^2/NDF : 0.0/1

Left Out: -857.296+/-186.036 χ^2/NDF : 67.8/24

Right Out: -3893.213+/-3987.124 χ^2/NDF : 0.2/1

Left In: 59.875+/-186.696 χ^2/NDF : 25.1/22

Left: -400.333+/-131.780 χ^2/NDF : 105.0/47

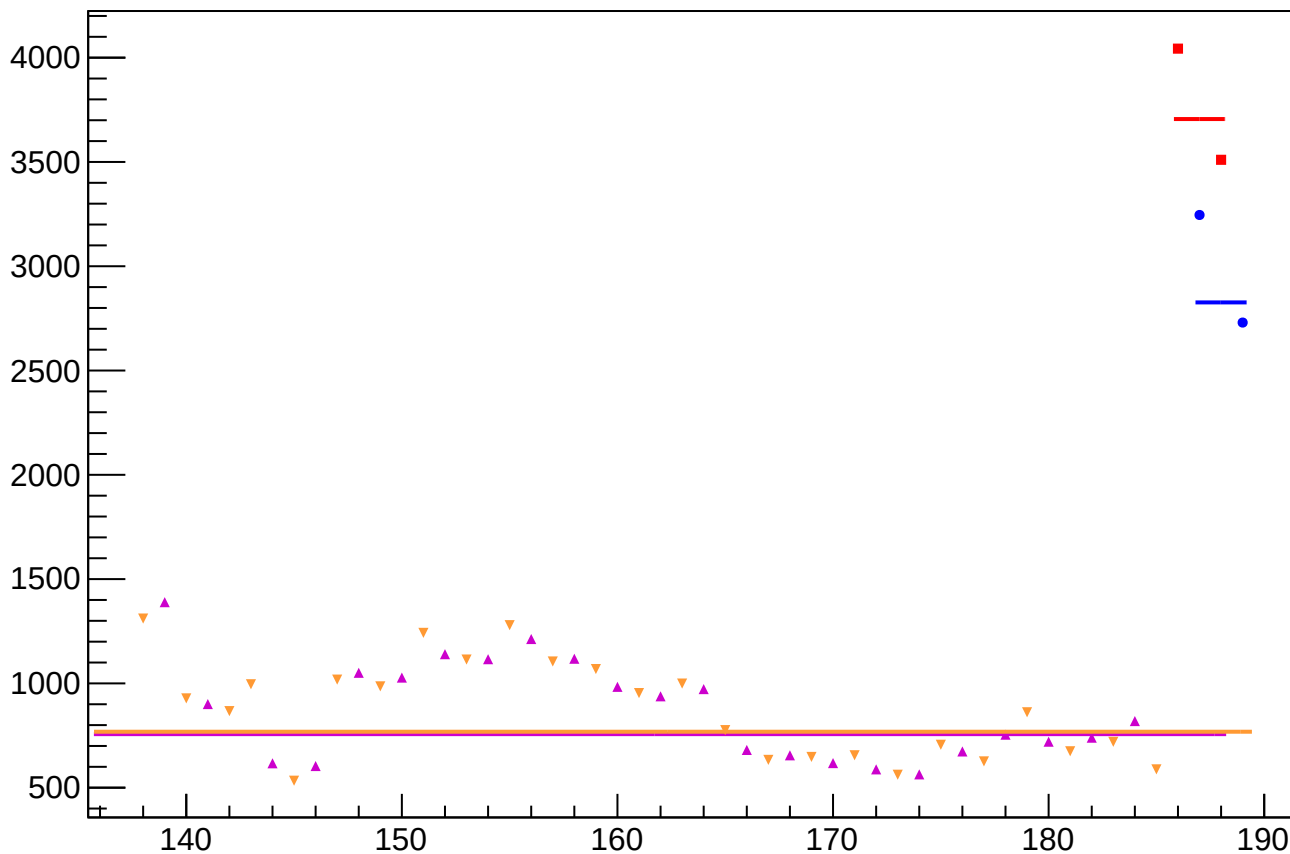
Right: -2290.854+/-2677.549 χ^2/NDF : 0.5/3

In: 57.121+/-186.447 χ^2/NDF : 25.2/24

Out: -863.891+/-185.834 χ^2/NDF : 68.5/26

All: -404.901+/-131.621 χ^2/NDF : 106.0/51

asym_sam3_correction_rms vs Slug, Sign Corrected



Right In: 2826.588 $\pm$ 2.555 χ^2 /NDF: 6201.8/1

Left Out: 768.280 $\pm$ 0.132 χ^2 /NDF: 2463696.6/24

Right Out: 3705.725 $\pm$ 2.819 χ^2 /NDF: 8296.7/1

Left In: 756.684 $\pm$ 0.132 χ^2 /NDF: 2245661.1/22

Left: 762.503 $\pm$ 0.093 χ^2 /NDF: 4713228.8/47

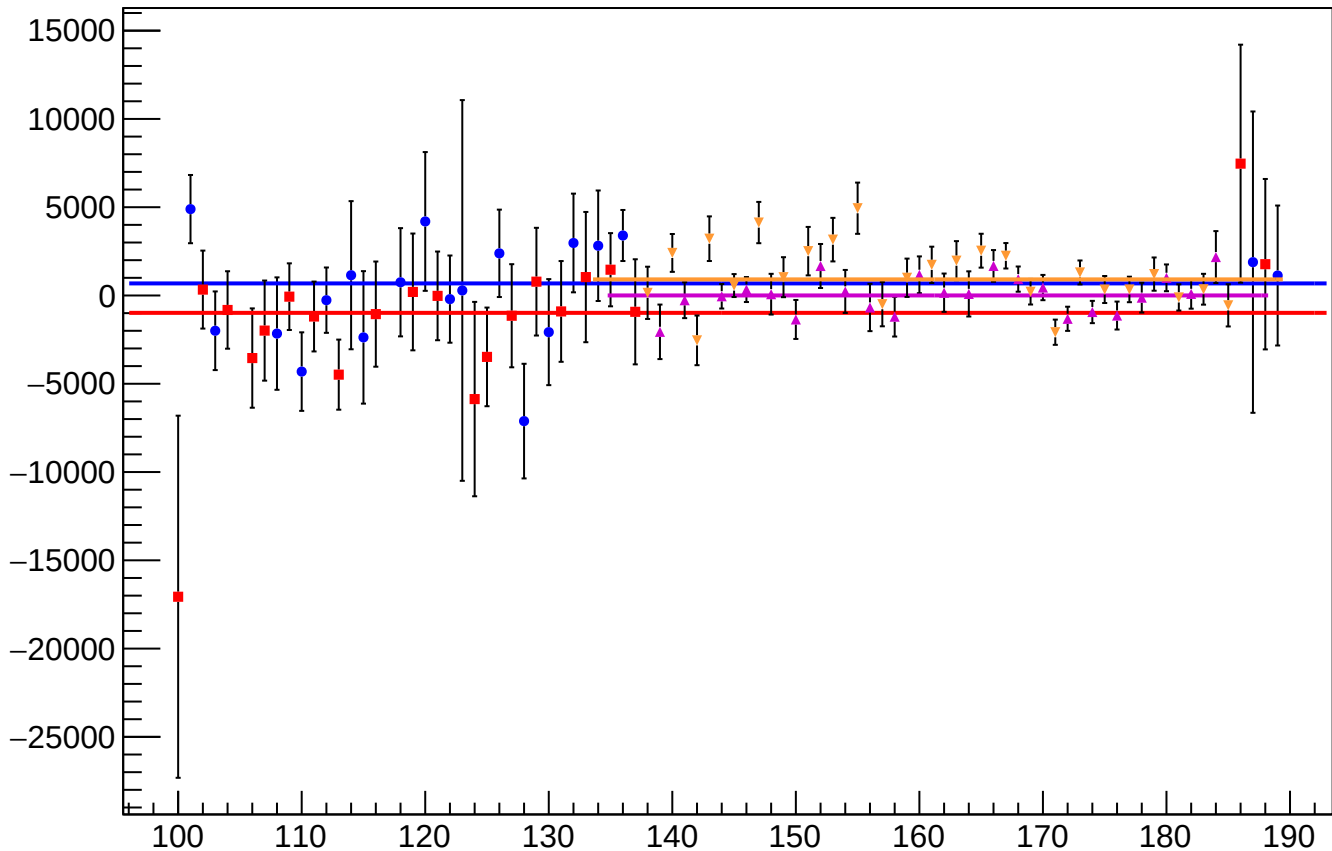
Right: 3223.059 $\pm$ 1.893 χ^2 /NDF: 67882.8/3

In: 762.195 $\pm$ 0.132 χ^2 /NDF: 2906329.1/24

Out: 774.661 $\pm$ 0.131 χ^2 /NDF: 3555185.3/26

All: 768.448 $\pm$ 0.093 χ^2 /NDF: 6465999.7/51

asym_sam3_mean vs Slug, Sign Corrected



Right In: 683.693 $\pm$ 609.869 χ^2 /NDF: 25.7/18

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

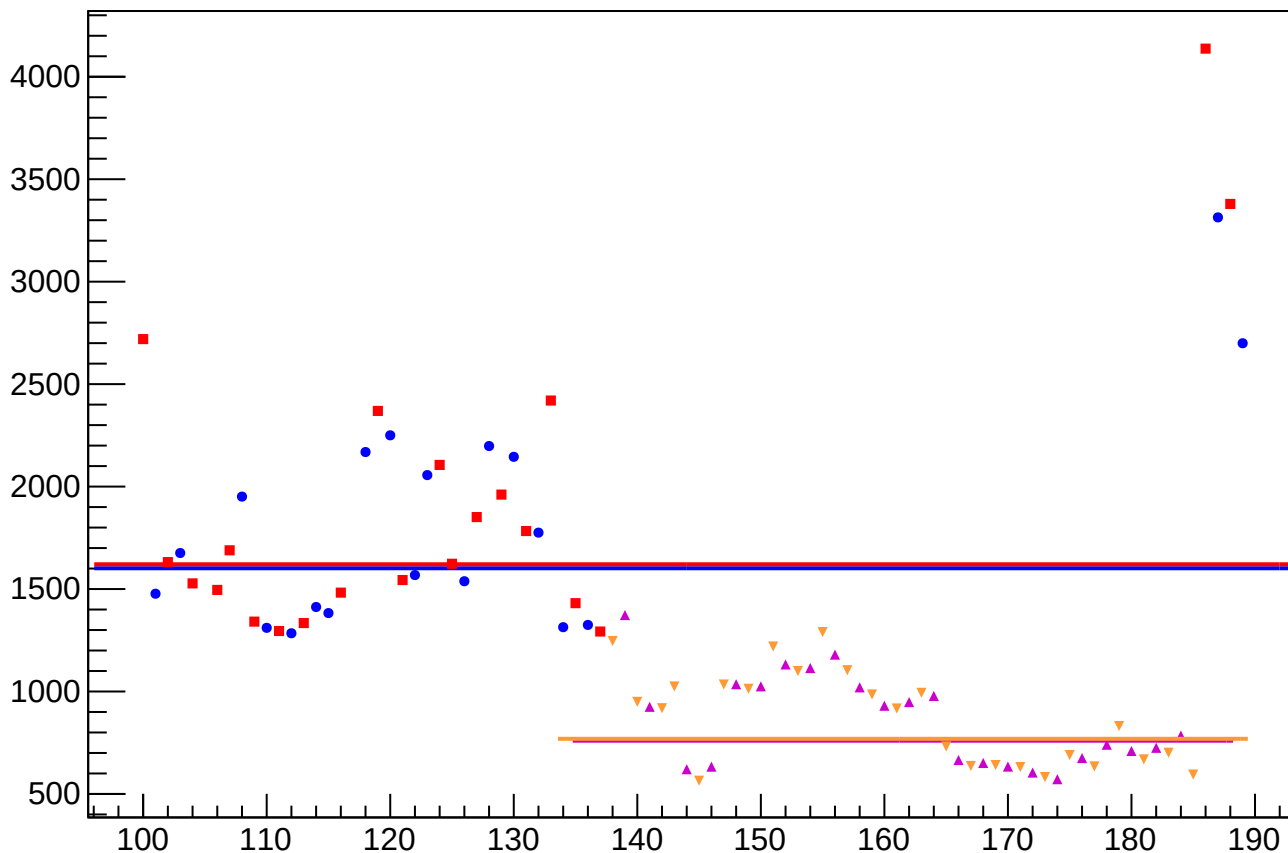
Right: -169.665 $\pm$ 426.128 χ^2 /NDF: 42.4/39

In: 61.168 $\pm$ 179.021 χ^2 /NDF:52.4/41

Out: 743.332 $\pm$ 177.636 χ^2 /NDF:87.1/45

All: 404.899 $\pm$ 126.095 χ^2 /NDF: 146.8/87

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1601.394 $\pm$ 0.431 χ^2 /NDF: 731499.4/18

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

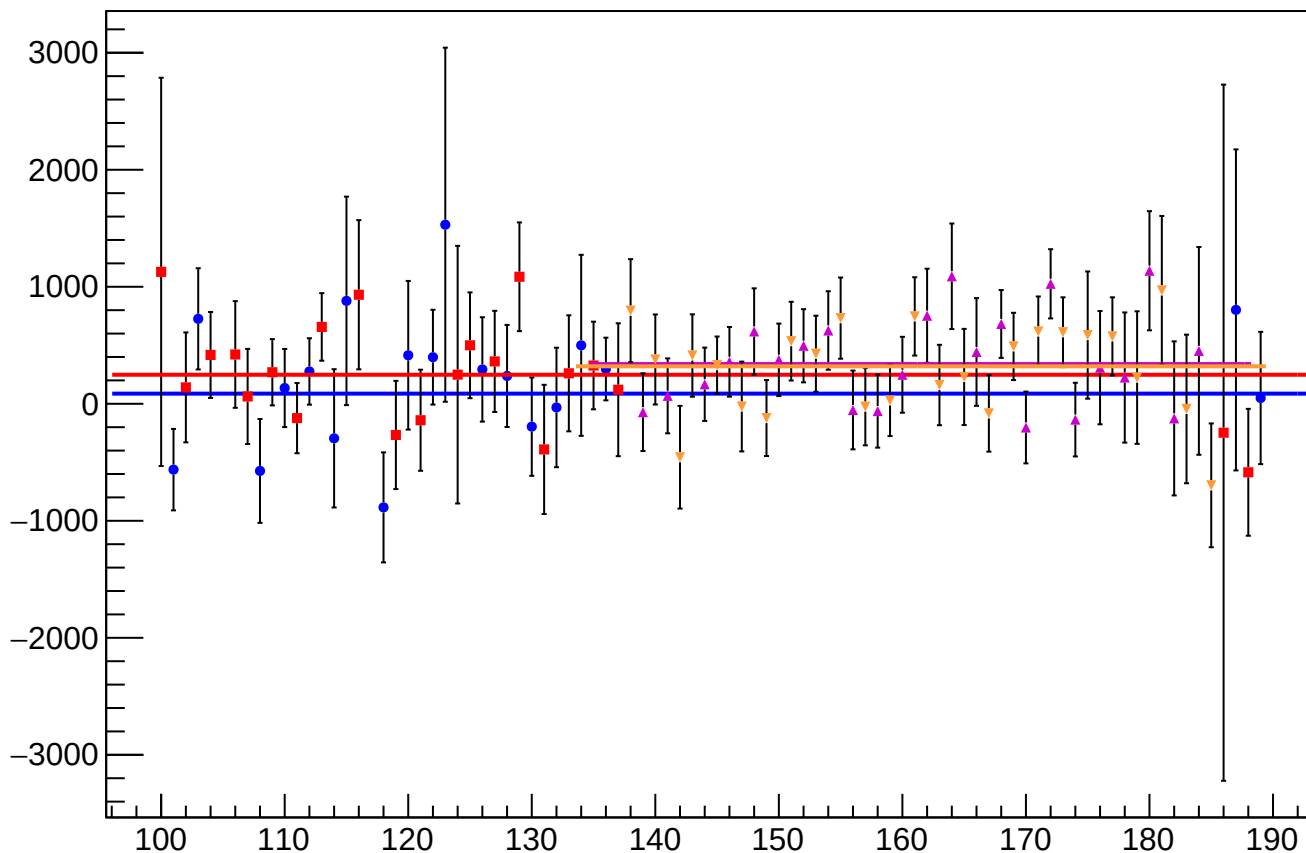
Right: 1611.380 $\pm$ 0.301 χ^2 /NDF: 1751417.8/39

In: 832.440 $\pm$ 0.127 χ^2 /NDF: 6225490.5/41

Out: 844.953 $\pm$ 0.126 χ^2 /NDF: 7019572.0/45

All: 838.745 $\pm$ 0.089 χ^2 /NDF: 13249986.0/87

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 86.767 $\pm$ 101.640 χ^2/NDF : 17.6/18

Left Out: 320.359 $\pm$ 71.442 χ^2/NDF : 22.6/24

Right Out: 248.144 $\pm$ 96.195 χ^2/NDF : 15.1/20

Left In: 339.260 $\pm$ 74.418 χ^2/NDF : 26.3/22

Left: 329.424 $\pm$ 51.537 χ^2/NDF : 48.9/47

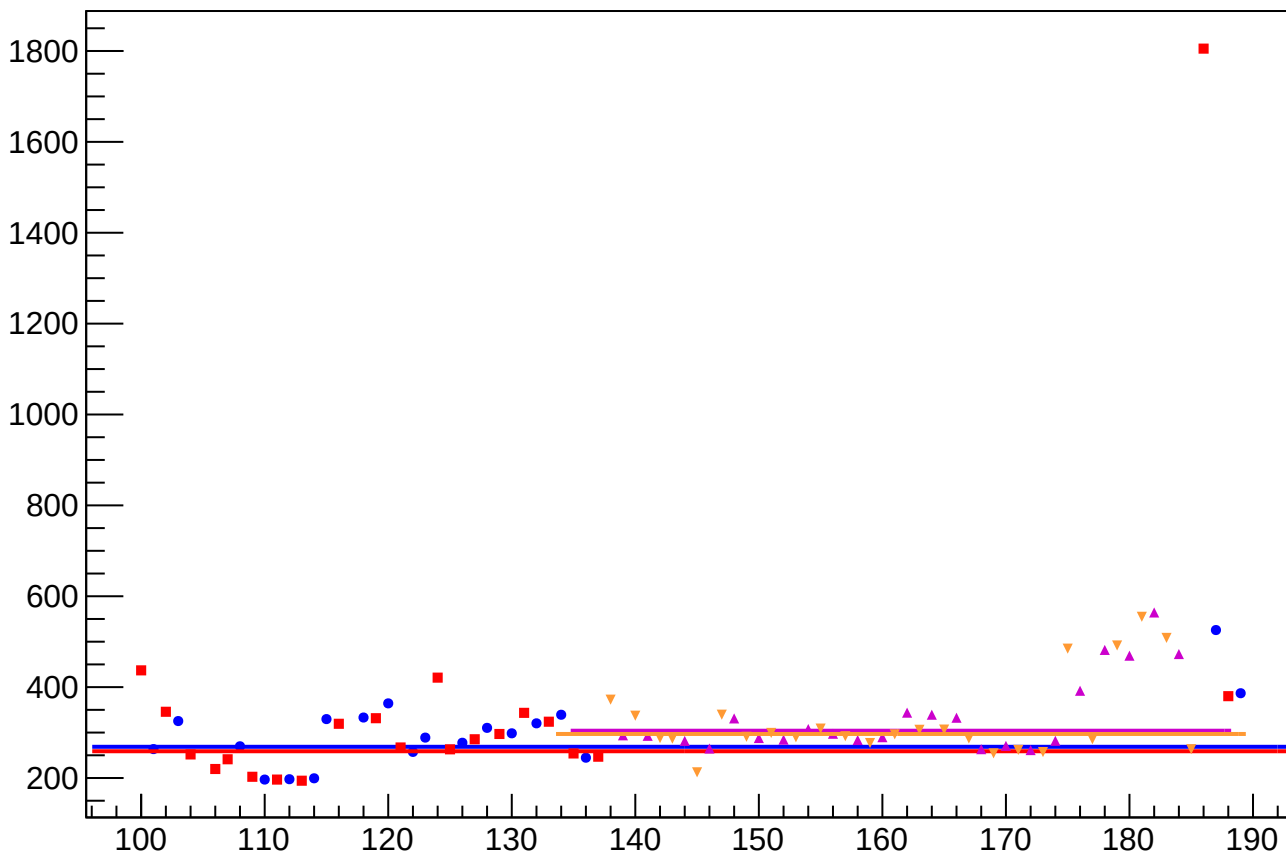
Right: 171.894 $\pm$ 69.866 χ^2/NDF : 34.0/39

In: 251.142 $\pm$ 60.045 χ^2/NDF : 47.9/41

Out: 294.687 $\pm$ 57.354 χ^2/NDF : 38.0/45

All: 273.912 $\pm$ 41.474 χ^2/NDF : 86.2/87

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 268.690+/-0.072 χ^2/NDF : 615423.7/18

Left Out: 296.913+/-0.051 χ^2/NDF :1506502.0/24

Right Out: 258.898+/-0.068 χ^2/NDF : 1232064.4/20

Left In: 304.067+/-0.053 χ^2/NDF :1106083.1/22

Left: 300.344+/-0.036 χ^2/NDF : 2622204.6/47

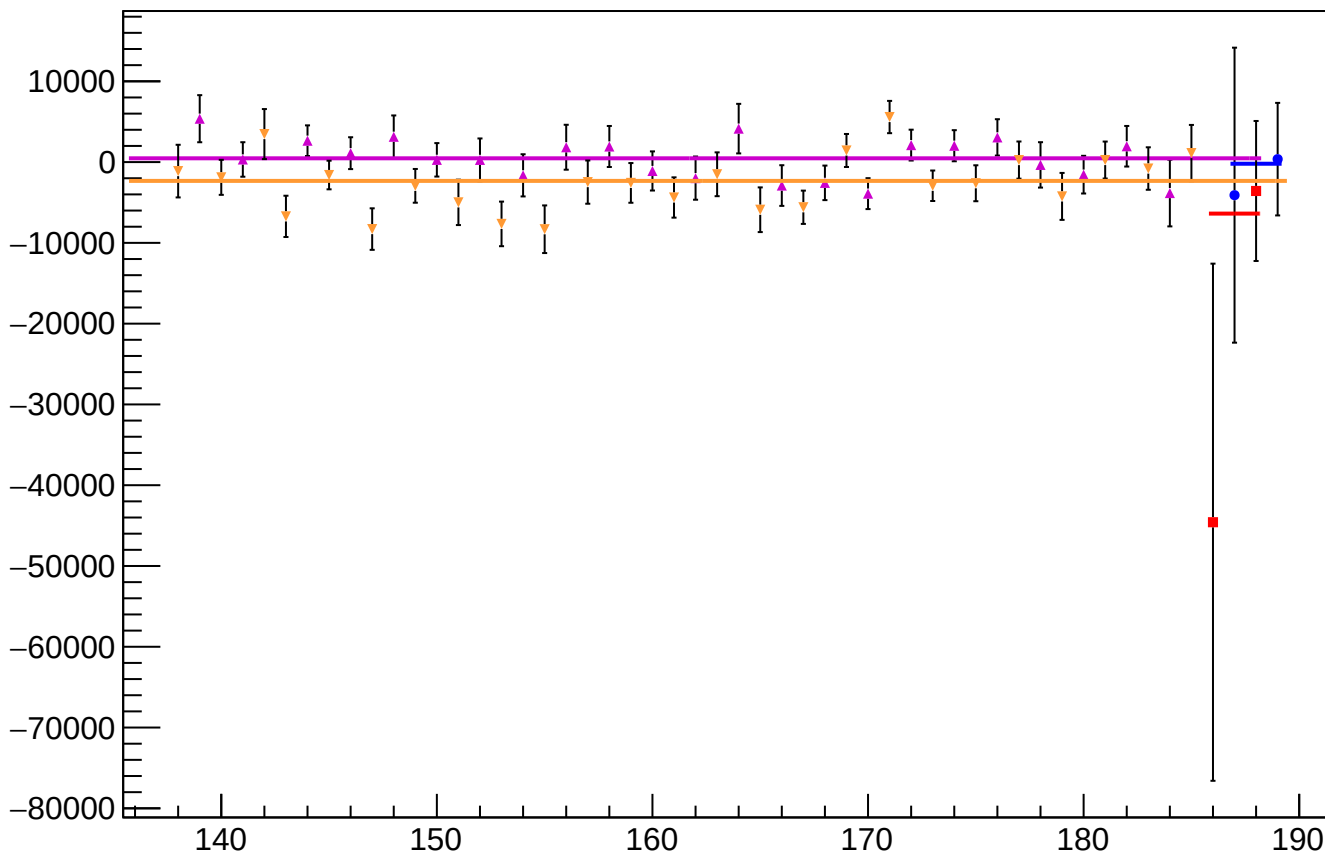
Right: 263.525+/-0.049 χ^2/NDF : 1857281.5/39

In: 291.721+/-0.042 χ^2/NDF :1879242.1/41

Out: 283.399+/-0.041 χ^2/NDF :2939881.4/45

All: 287.369+/-0.029 χ^2/NDF : 4839214.1/87

asym_sam4_correction_mean vs Slug, Sign Corrected



Right In: -203.421 $\pm$ 6508.817 χ^2 /NDF: 0.1/1

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

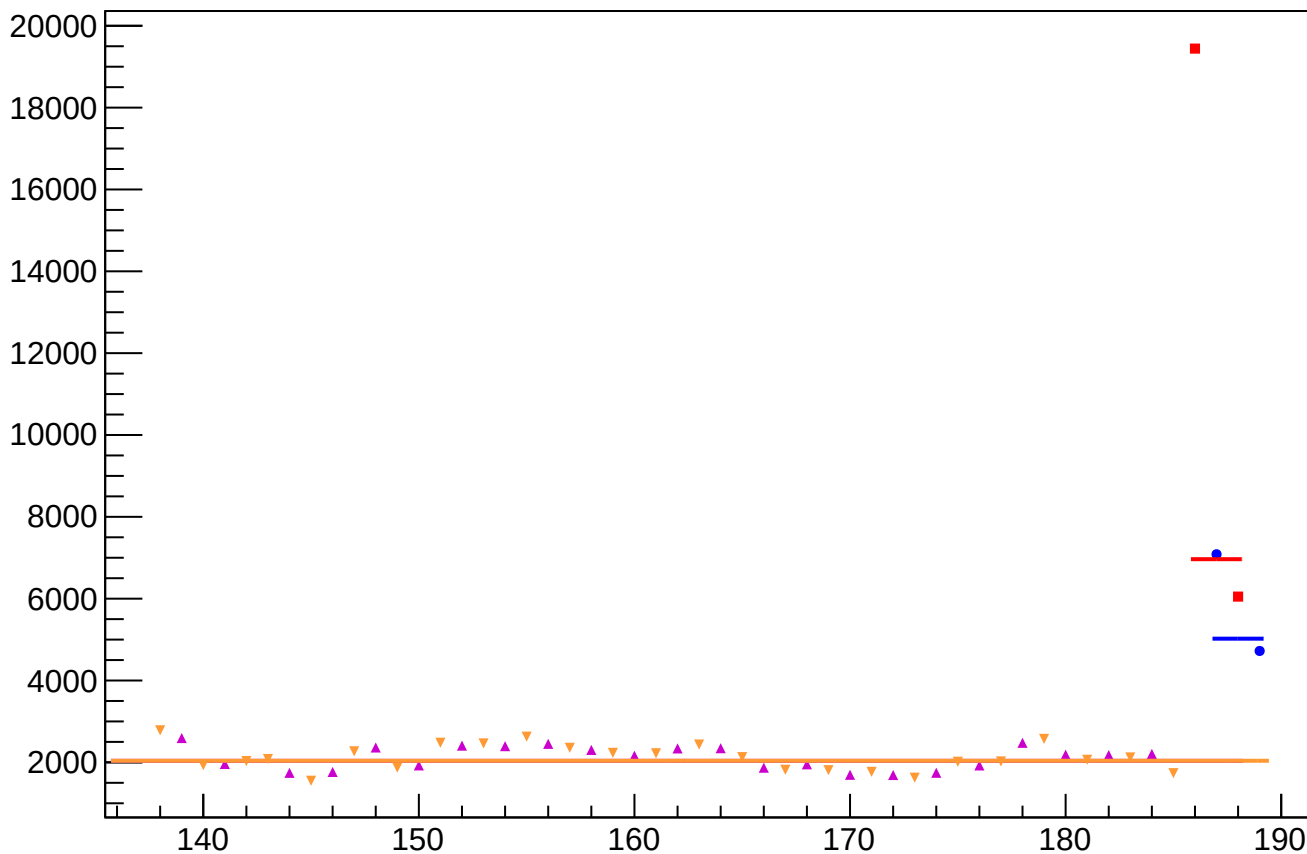
Right: -2531.585 $\pm$ 5136.911 χ^2 /NDF: 1.9/3

In: 464.322 $\pm$ 489.063 χ^2 /NDF:23.3/24

Out: -2341.656 $\pm$ 481.274 χ^2 /NDF:51.2/26

All: -961.190 $\pm$ 343.033 χ^2 /NDF: 91.2/51

asym_sam4_correction_rms vs Slug, Sign Corrected



Right In: 5022.624+/-4.602 χ^2/NDF : 29233.9/1

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

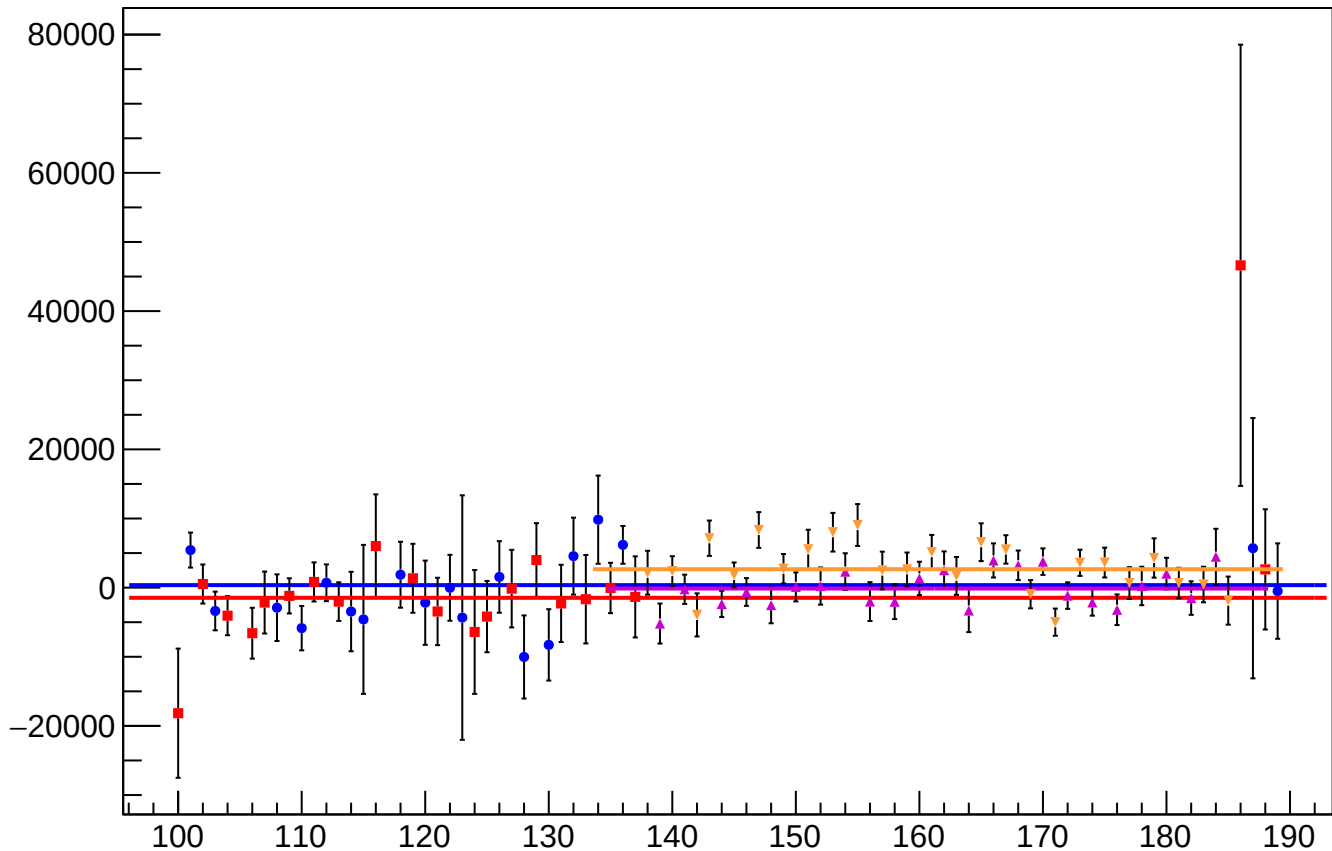
Right: 5755.194+/-3.632 χ^2/NDF : 422572.2/3

In: 2053.514+/-0.346 χ^2/NDF : 1100066.2/24

Out: 2055.276+/-0.340 χ^2/NDF : 1846975.7/26

All: 2054.409+/-0.243 χ^2/NDF : 2947055.2/51

asym_sam4_mean vs Slug, Sign Corrected



Right In: 363.503 $\pm$ 981.042 χ^2/NDF : 24.3/18

Left Out: 2667.050 $\pm$ 480.963 χ^2/NDF : 50.0/24

Right Out: -1470.640 $\pm$ 918.452 χ^2/NDF : 13.0/20

Left In: -132.307 $\pm$ 489.752 χ^2/NDF : 24.7/22

Left: 1292.715 $\pm$ 343.157 χ^2/NDF : 91.3/47

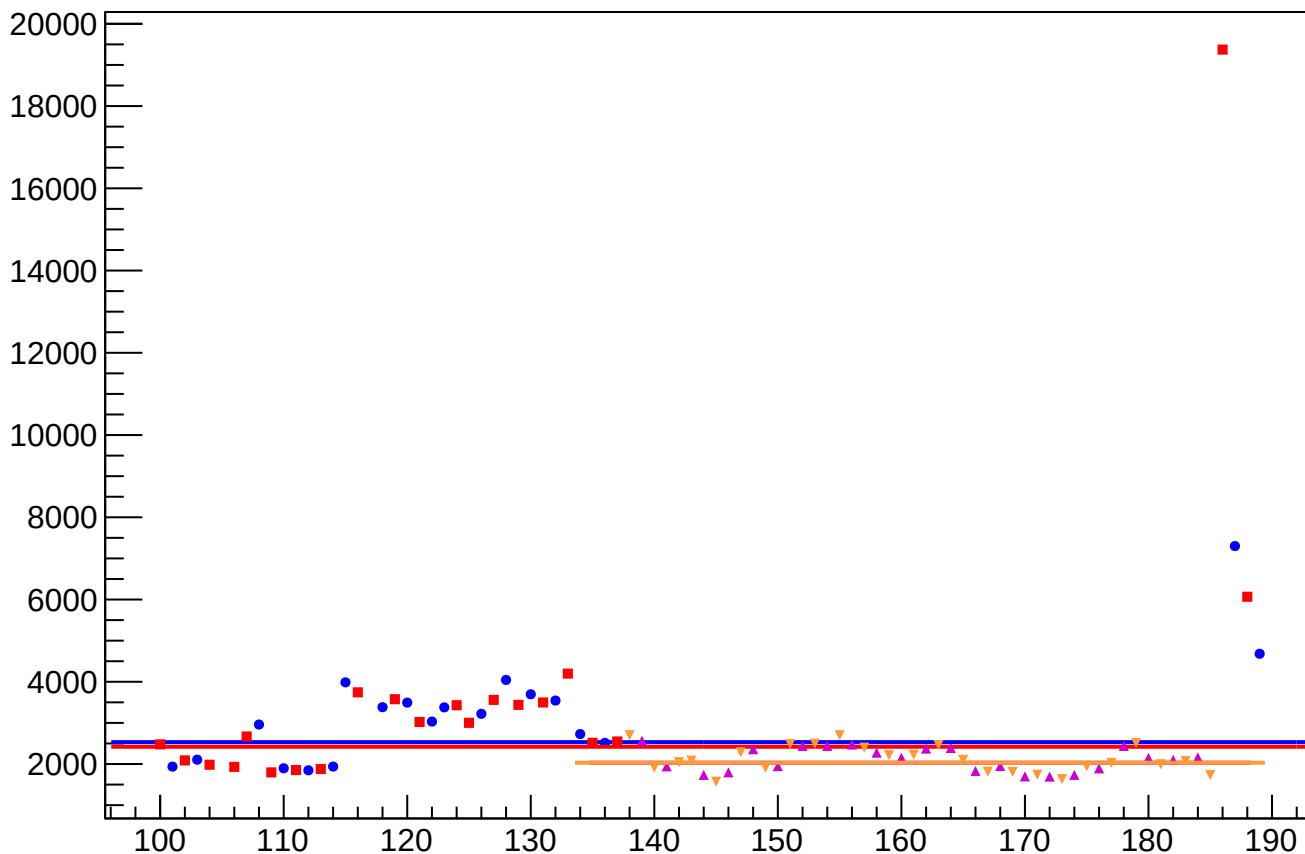
Right: -613.940 $\pm$ 670.479 χ^2/NDF : 39.2/39

In: -33.394 $\pm$ 438.185 χ^2/NDF : 49.2/41

Out: 1776.575 $\pm$ 426.077 χ^2/NDF : 78.9/45

All: 896.942 $\pm$ 305.473 χ^2/NDF : 136.9/87

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2532.063 $\pm$ 0.694 χ^2 /NDF: 1235108.5/18

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

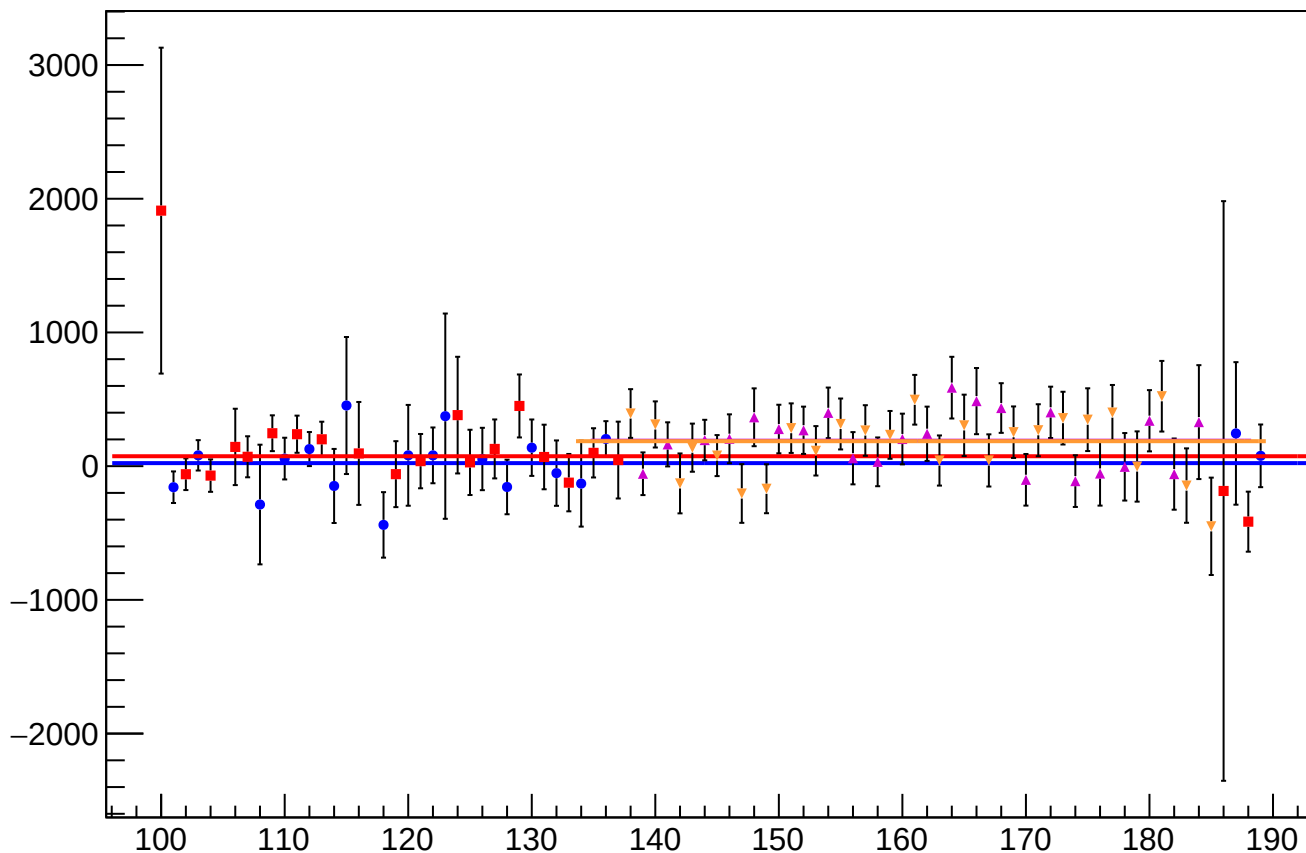
Right: 2472.282 $\pm$ 0.474 χ^2 /NDF: 3195721.5/39

In: 2131.515 $\pm$ 0.310 χ^2 /NDF: 2304977.4/41

Out: 2115.871 $\pm$ 0.301 χ^2 /NDF: 3050320.0/45

All: 2123.474 $\pm$ 0.216 χ^2 /NDF: 5356607.9/87

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 22.709+/-45.115 χ^2/NDF : 12.2/18

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

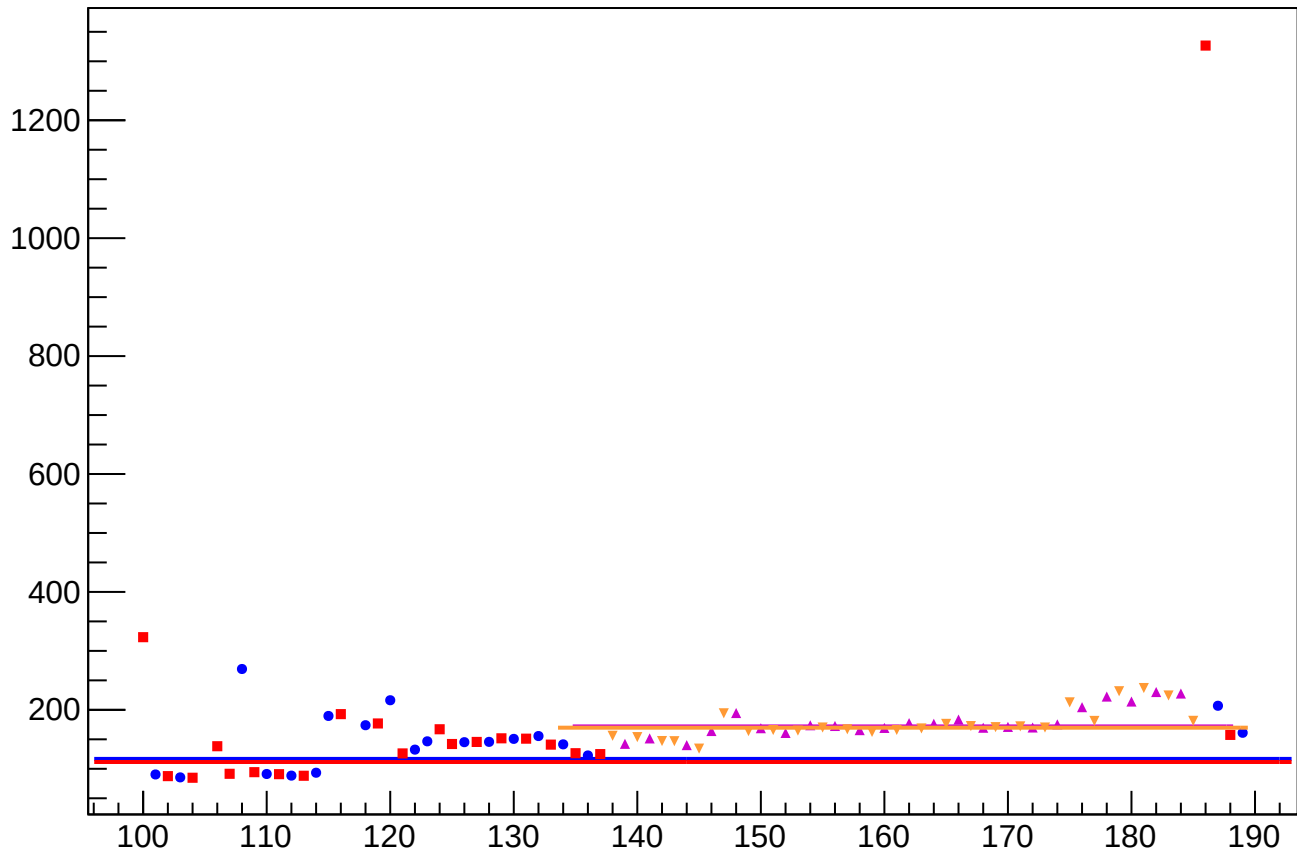
Right: 50.333+/-30.715 χ^2/NDF : 31.1/39

In: 113.939+/-30.466 χ^2/NDF : 40.9/41

Out: 133.126+/-28.938 χ^2/NDF : 47.8/45

All: 124.026+/-20.982 χ^2/NDF : 88.9/87

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 116.785+/-0.032 χ^2/NDF : 1270797.6/18

Left Out: 169.736+/-0.028 χ^2/NDF : 617269.8/24

Right Out: 111.561+/-0.030 χ^2/NDF : 1661678.7/20

Left In: 171.896+/-0.029 χ^2/NDF : 546889.0/22

Left: 170.781+/-0.020 χ^2/NDF : 1166980.3/47

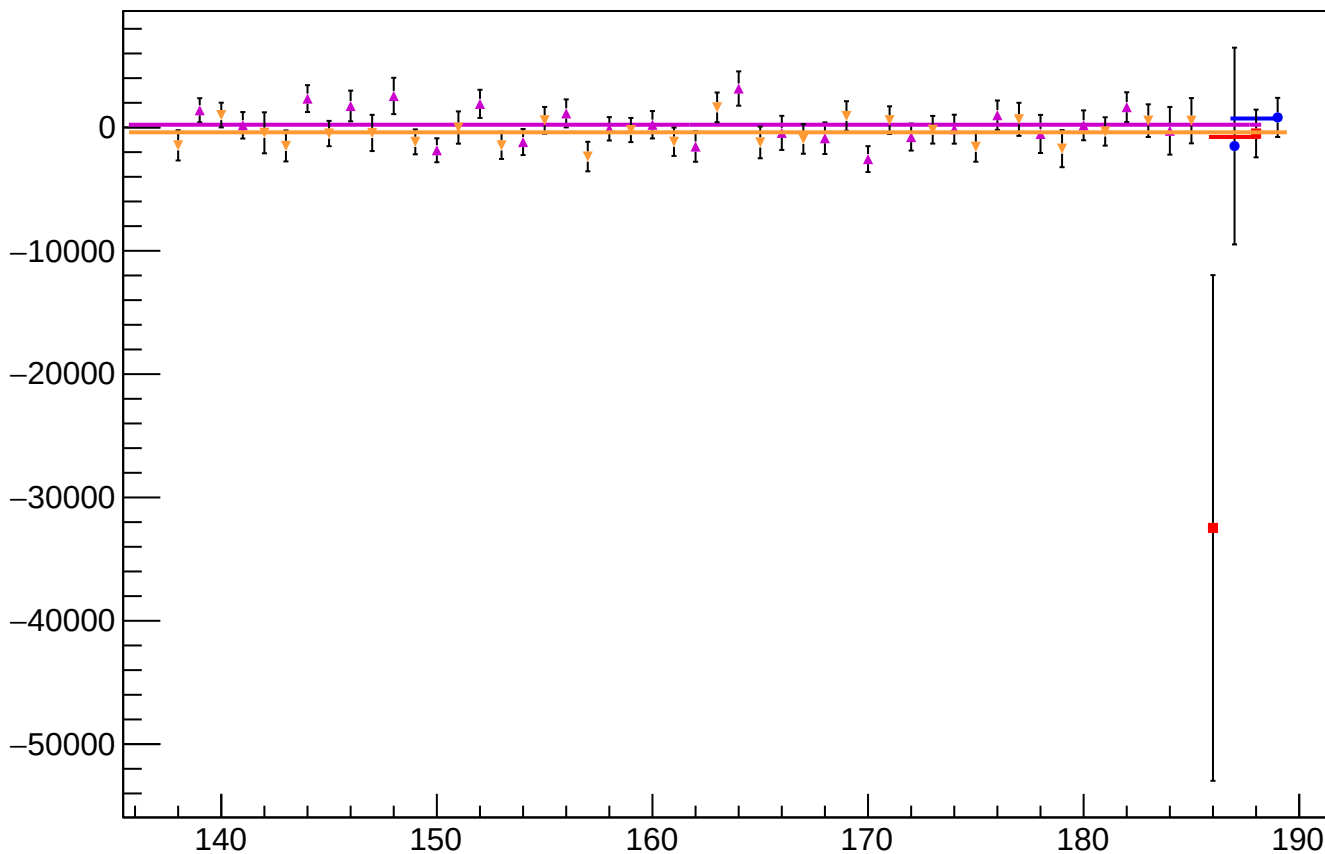
Right: 113.982+/-0.022 χ^2/NDF : 2946867.0/39

In: 146.764+/-0.022 χ^2/NDF : 3441127.7/41

Out: 142.031+/-0.020 χ^2/NDF : 4295090.0/45

All: 144.276+/-0.015 χ^2/NDF : 7761594.1/87

asym_sam5_correction_mean vs Slug, Sign Corrected



Right In: 726.951+/-1555.157 χ^2/NDF : 0.1/1

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

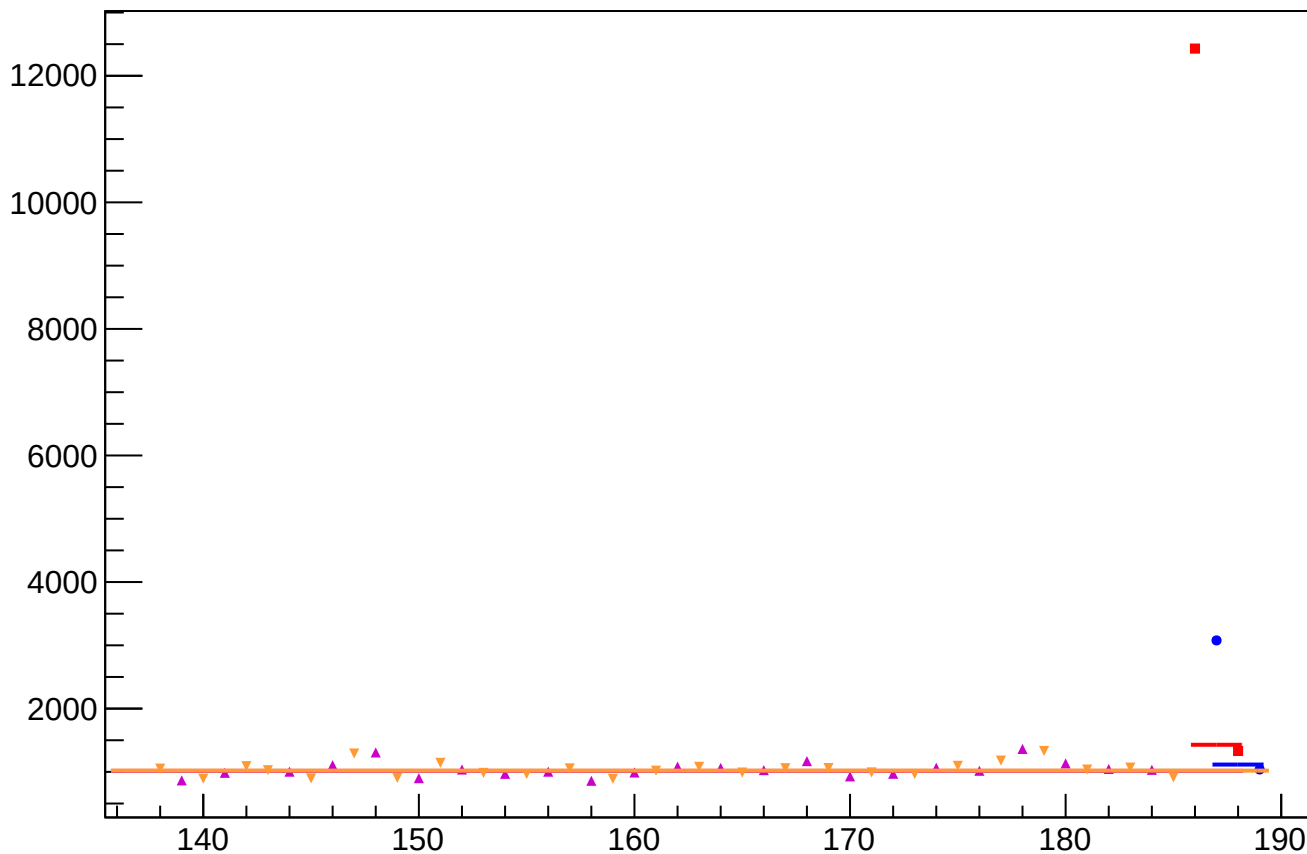
Right: 136.101+/-1209.709 χ^2/NDF : 2.9/3

In: 234.202+/-240.911 χ^2/NDF :36.2/24

Out: -397.347+/-238.059 χ^2/NDF :20.0/26

All: -85.333+/-169.332 χ^2/NDF : 59.8/51

asym_sam5_correction_rms vs Slug, Sign Corrected



Right In: 1115.696+/-1.100 χ^2/NDF : 125740.5/1

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

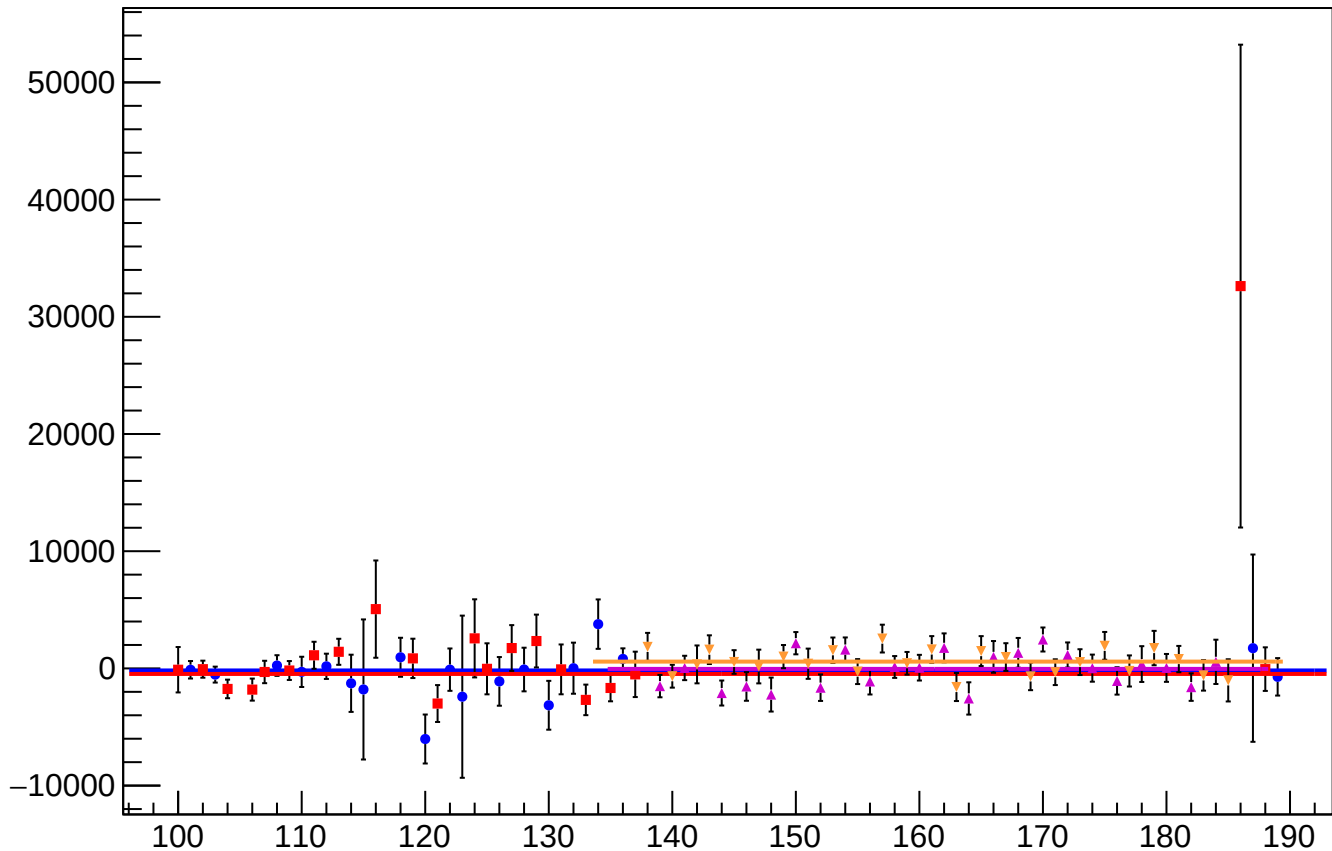
Right: 1239.242+/-0.855 χ^2/NDF : 738708.7/3

In: 1017.753+/-0.170 χ^2/NDF : 539030.3/24

Out: 1026.311+/-0.168 χ^2/NDF : 1037501.7/26

All: 1022.083+/-0.120 χ^2/NDF : 1577809.0/51

asym_sam5_mean vs Slug, Sign Corrected



Right In: -175.091+/-306.465 χ^2/NDF : 16.4/18

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

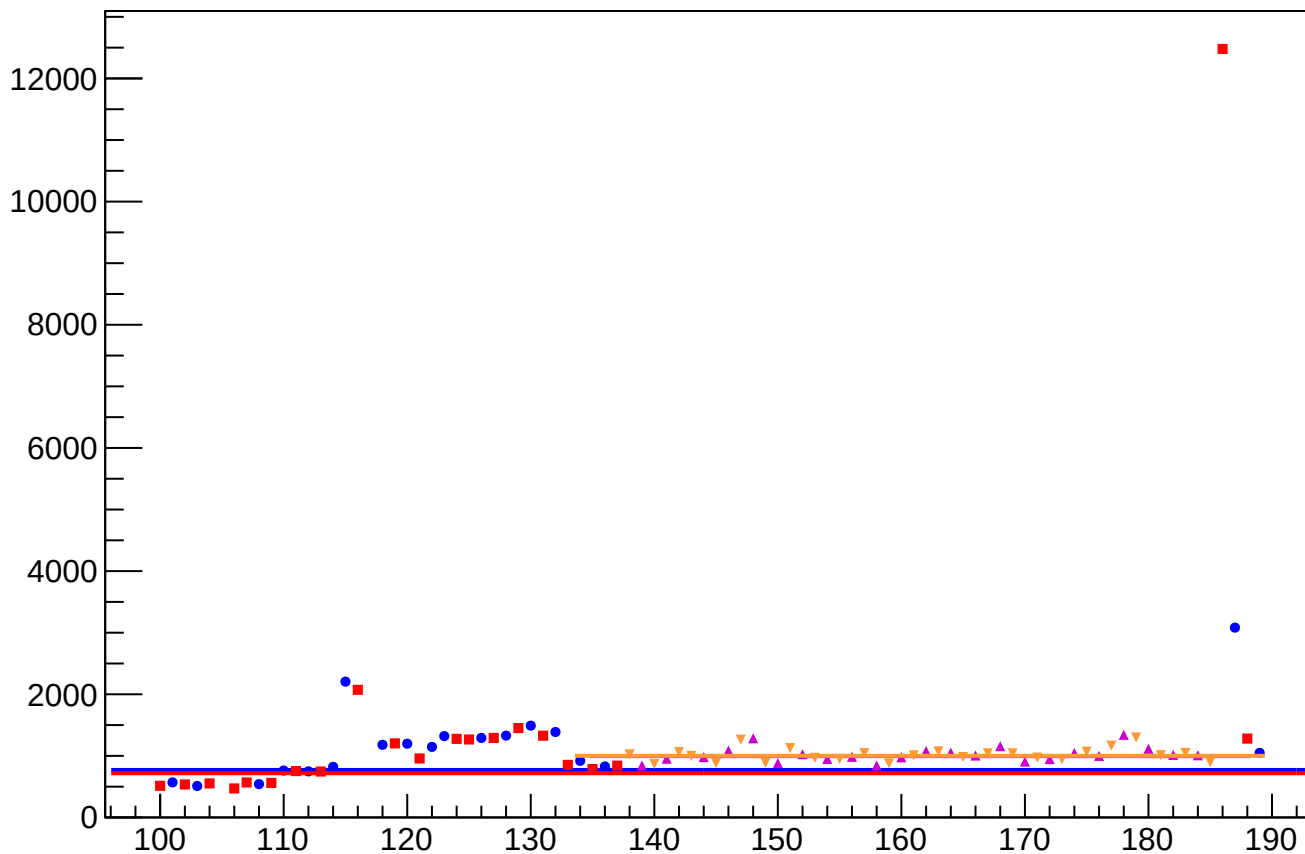
Right: -337.623+/-206.520 χ^2/NDF : 42.2/39

In: -92.652+/-188.601 χ^2/NDF : 54.4/41

Out: 142.870+/-180.137 χ^2/NDF : 52.0/45

All: 30.512+/-130.266 χ^2/NDF : 107.2/87

asym_sam5_rms vs Slug, Sign Corrected



Right In: 771.130+/-0.217 χ^2/NDF : 1942988.3/18

Left Out: 1001.233+/-0.167 χ^2/NDF : 370278.3/24

Right Out: 717.896+/-0.198 χ^2/NDF : 2530843.6/20

Left In: 995.590+/-0.169 χ^2/NDF : 424434.6/22

Left: 998.455+/-0.119 χ^2/NDF : 795277.7/47

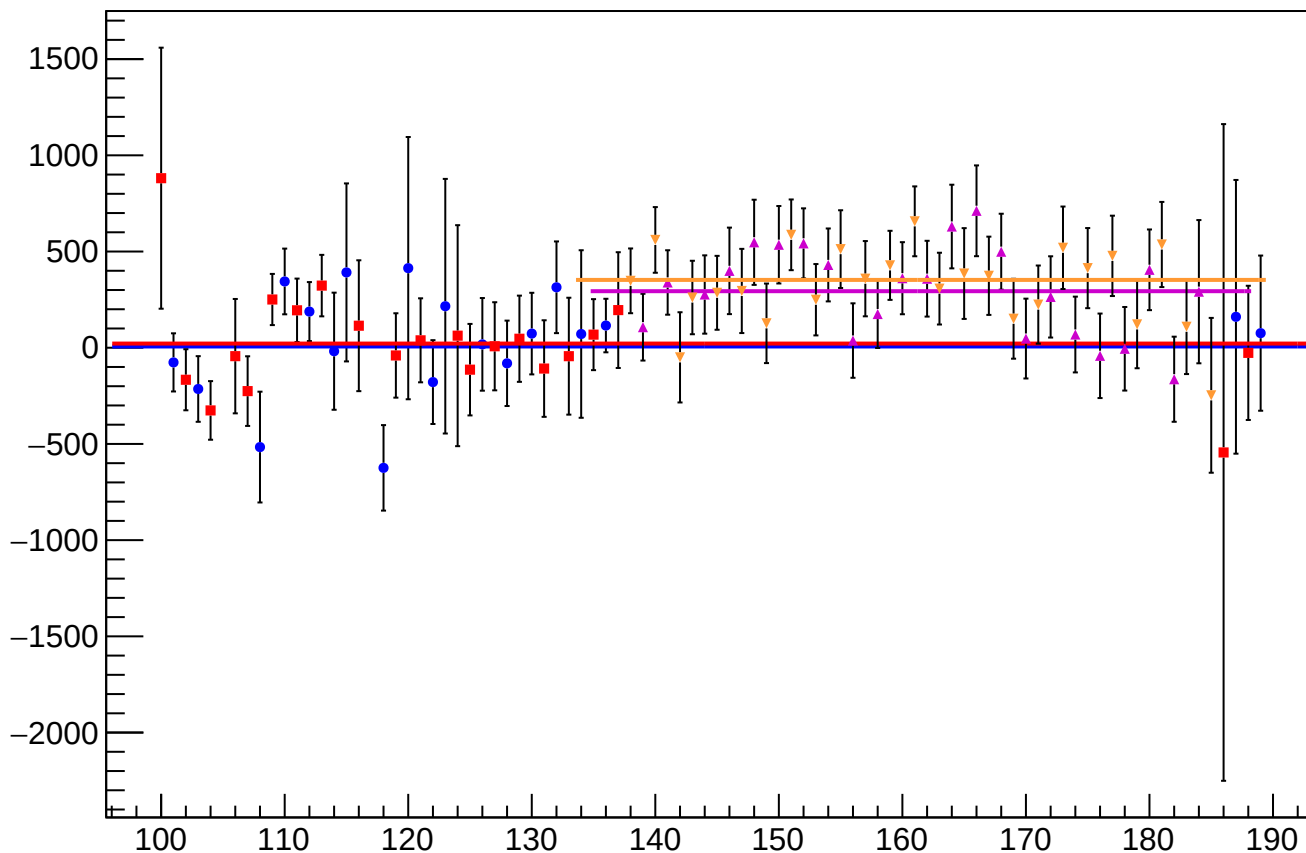
Right: 742.070+/-0.146 χ^2/NDF : 4506773.8/39

In: 910.581+/-0.133 χ^2/NDF : 3033964.3/41

Out: 883.557+/-0.127 χ^2/NDF : 4102641.1/45

All: 896.449+/-0.092 χ^2/NDF : 7158078.0/87

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: 6.548 ± 51.931 $\chi^2/\text{NDF}: 23.2/18$

Left Out: 352.474 ± 40.625 $\chi^2/\text{NDF}: 19.0/24$

Right Out: 21.631 ± 47.392 $\chi^2/\text{NDF}: 19.1/20$

Left In: 293.836 ± 42.346 $\chi^2/\text{NDF}: 27.2/22$

Left: 324.370 ± 29.316 $\chi^2/\text{NDF}: 47.2/47$

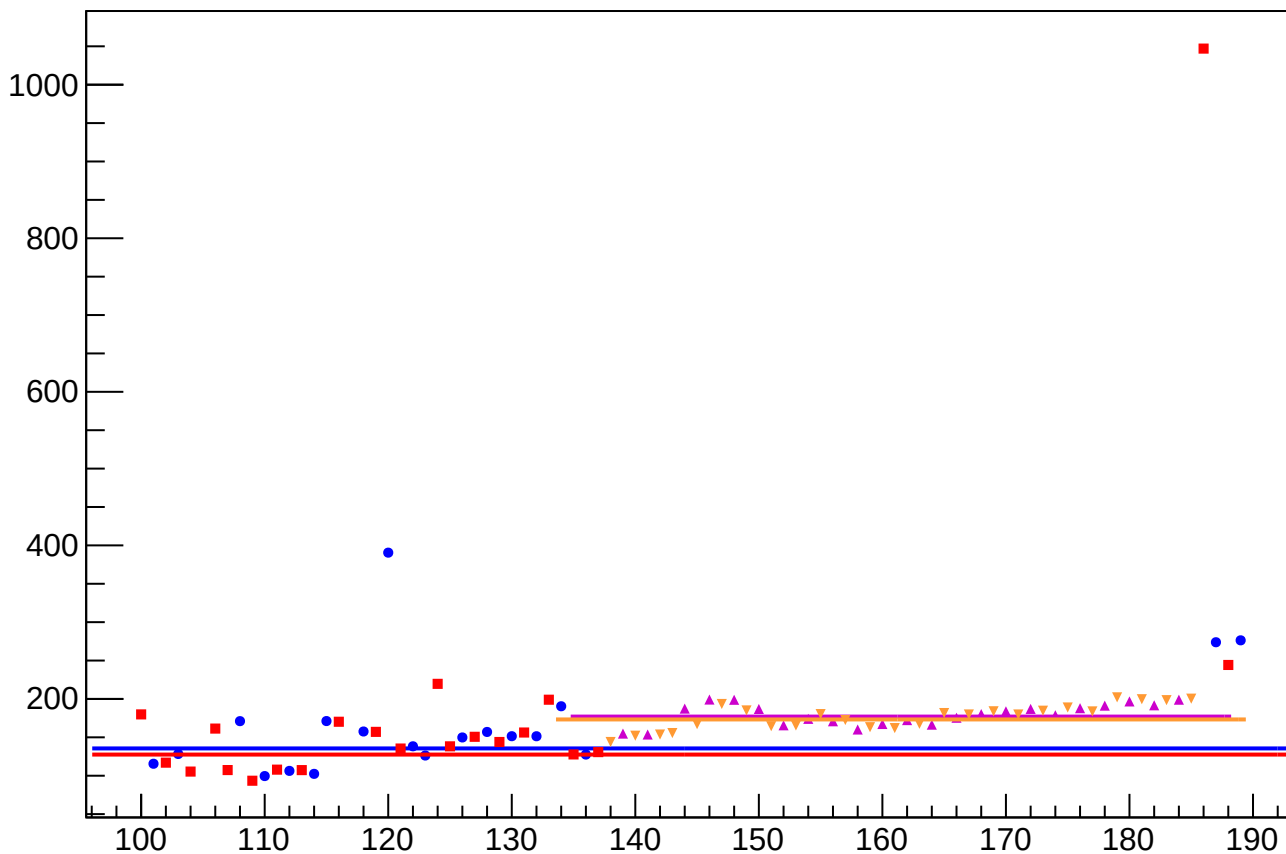
Right: 14.777 ± 35.006 $\chi^2/\text{NDF}: 42.3/39$

In: 179.101 ± 32.818 $\chi^2/\text{NDF}: 68.7/41$

Out: 212.336 ± 30.844 $\chi^2/\text{NDF}: 66.2/45$

All: 196.748 ± 22.475 $\chi^2/\text{NDF}: 135.5/87$

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 135.545 $\pm$ 0.037 χ^2 /NDF: 970438.2/18

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

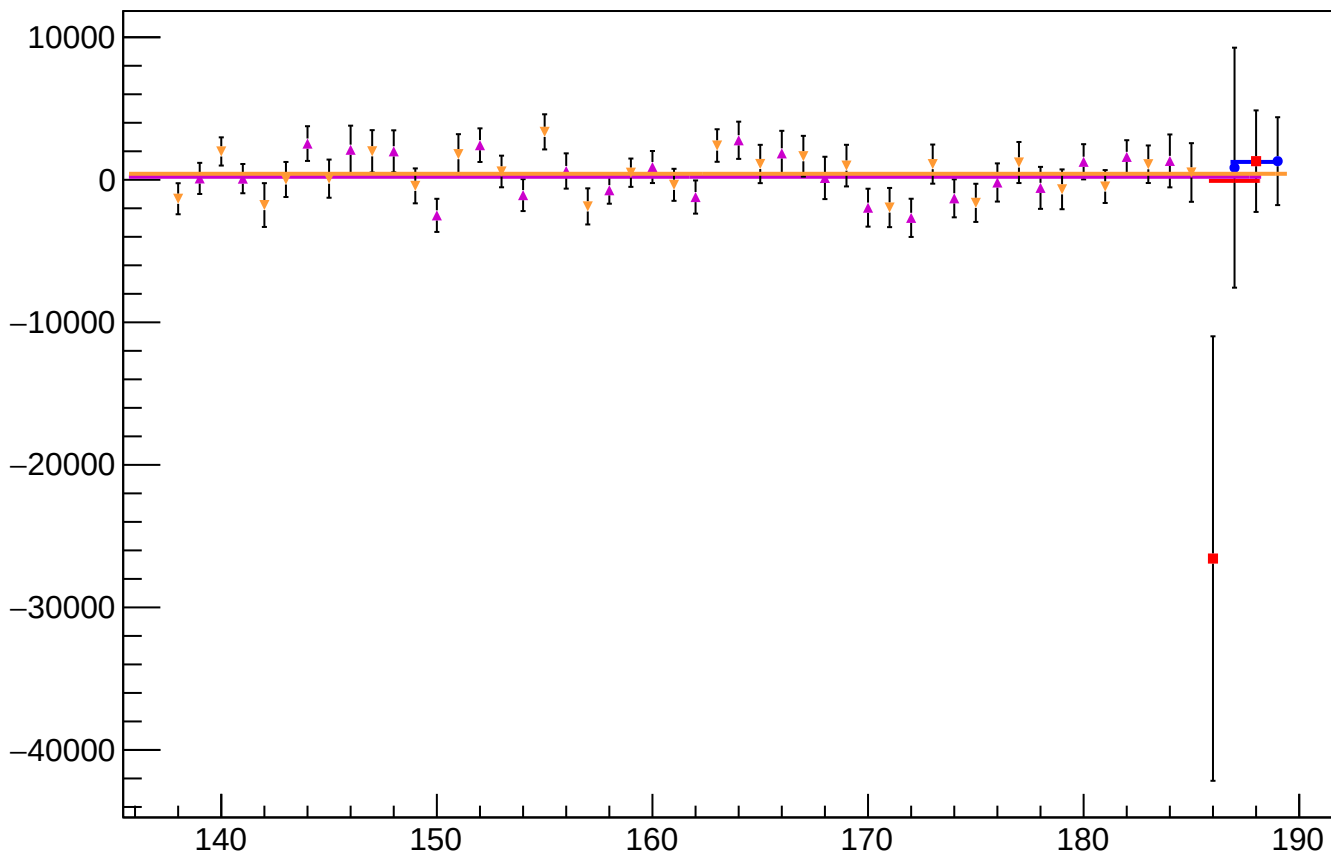
Right: 131.178 $\pm$ 0.025 χ^2 /NDF: 2400751.9/39

In: 160.453 $\pm$ 0.023 χ^2 /NDF:1951182.9/41

Out: 153.911 $\pm$ 0.022 χ^2 /NDF:2777346.1/45

All: 156.979 $\pm$ 0.016 χ^2 /NDF: 4770725.3/87

asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: 1253.580 $\pm$ 2894.390 χ^2 /NDF: 0.0/1

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

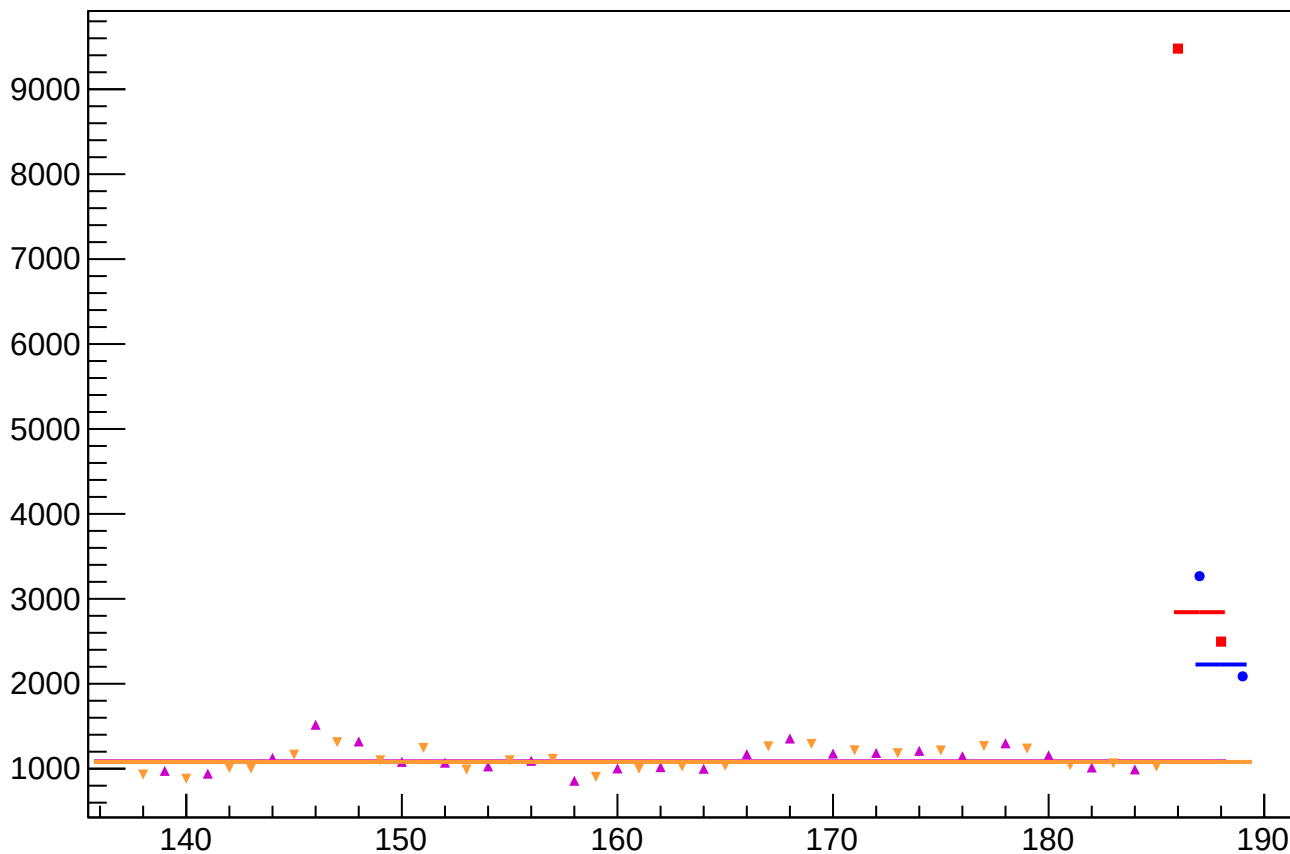
Right: 708.772 $\pm$ 2223.259 χ^2 /NDF: 3.1/3

In: 220.209 $\pm$ 260.224 χ^2 /NDF:36.2/24

Out: 418.691 $\pm$ 253.407 χ^2 /NDF:33.9/26

All: 322.084 $\pm$ 181.548 χ^2 /NDF: 70.3/51

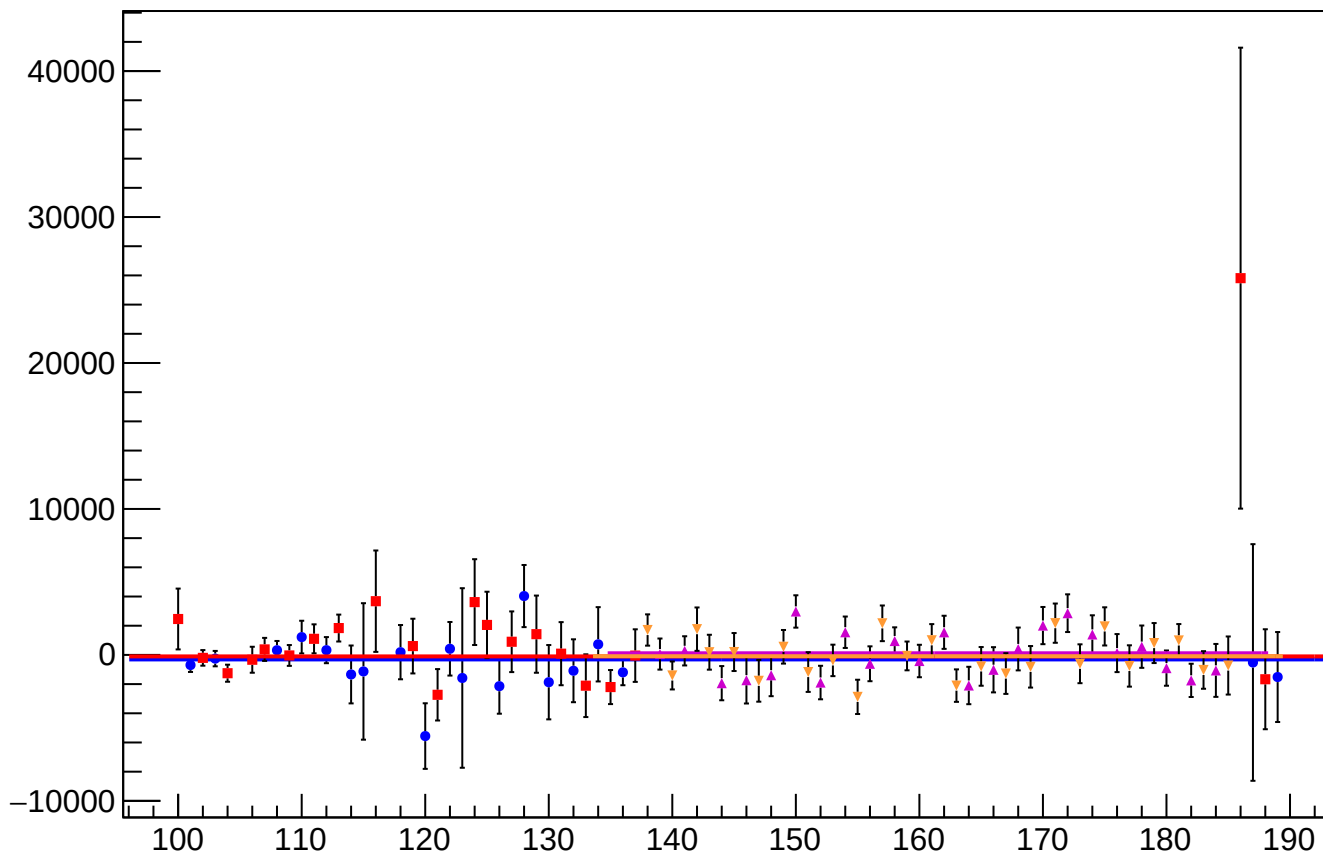
asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 2226.837+/-2.047 χ^2/NDF : 34609.9/1
 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: 2479.318+/-1.572 χ^2/NDF : 452888.5/3
 In: 1096.203+/-0.184 χ^2/NDF : 910205.8/24
 Out: 1089.089+/-0.179 χ^2/NDF : 1392855.3/26
 All: 1092.552+/-0.128 χ^2/NDF : 2303828.3/51

asym_sam6_mean vs Slug, Sign Corrected



Right In: -309.136 ± 249.106 χ^2/NDF : 17.0/18

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

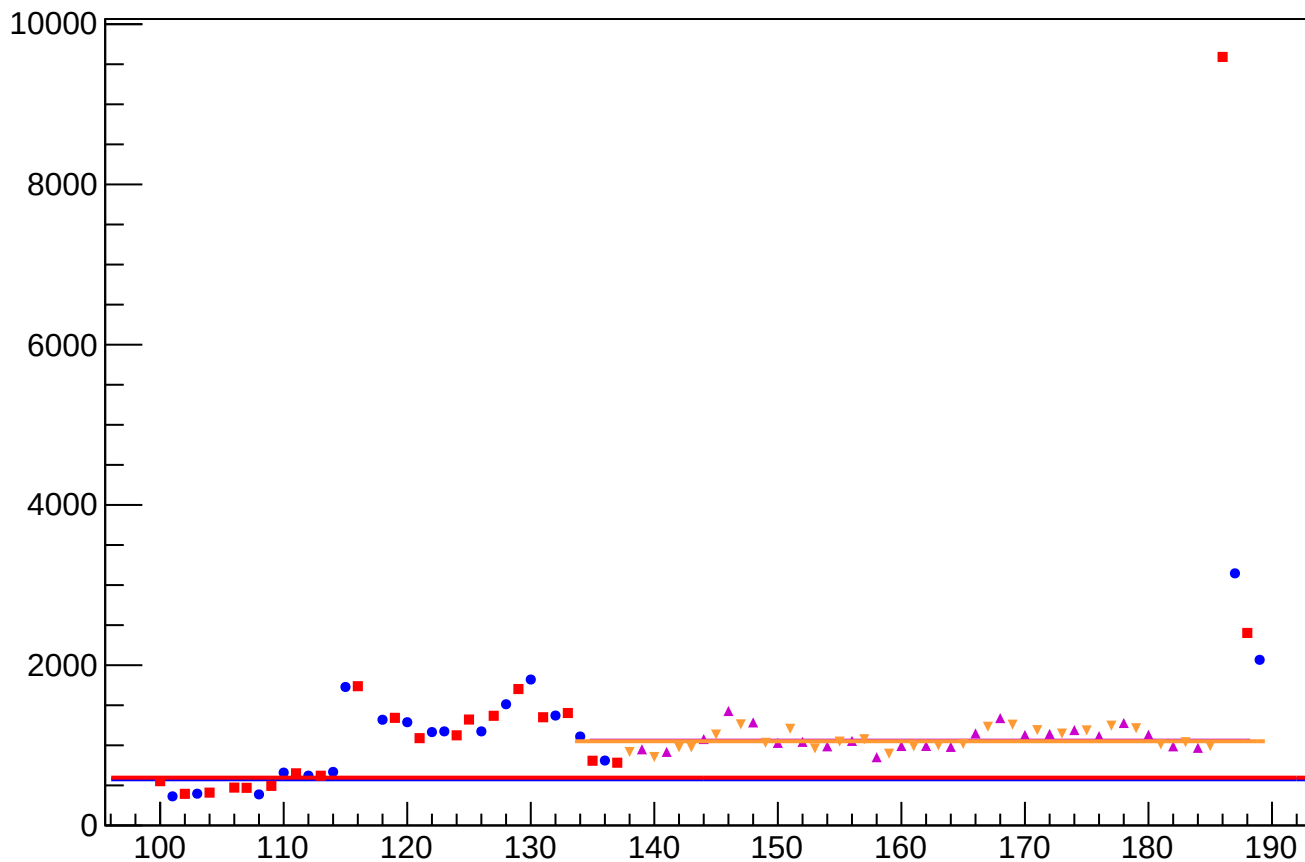
Right: -204.308 ± 174.790 χ^2/NDF : 42.8/39

In: -103.492 ± 177.965 χ^2/NDF : 53.6/41

Out: -96.189 ± 174.153 χ^2/NDF : 56.4/45

All: -99.761 ± 124.471 χ^2/NDF : 109.9/87

asym_sam6_rms vs Slug, Sign Corrected



Right In: 576.259+/-0.176 χ^2/NDF : 3935183.6/18

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

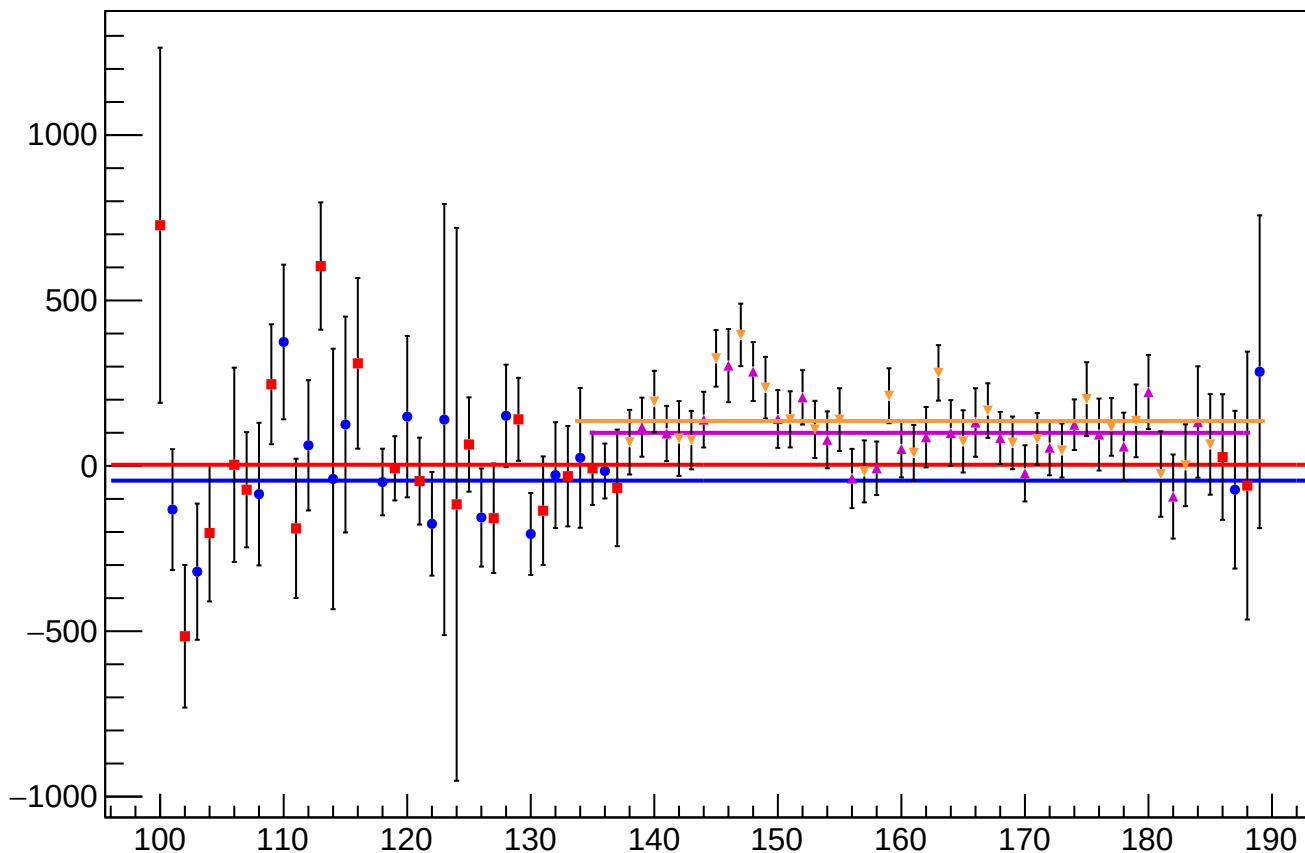
Right: 586.570+/-0.124 χ^2/NDF : 7972264.4/39

In: 812.199+/-0.126 χ^2/NDF : 8131958.9/41

Out: 821.944+/-0.123 χ^2/NDF : 7916799.5/45

All: 817.177+/-0.088 χ^2/NDF : 16051821.3/87

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -44.694 ± 38.492 χ^2/NDF : 11.8/18

Left Out: 135.693 ± 18.535 χ^2/NDF : 29.3/24

Right Out: 3.319 ± 36.985 χ^2/NDF : 26.1/20

Left In: 99.843 ± 19.131 χ^2/NDF : 20.8/22

Left: 118.336 ± 13.312 χ^2/NDF : 51.9/47

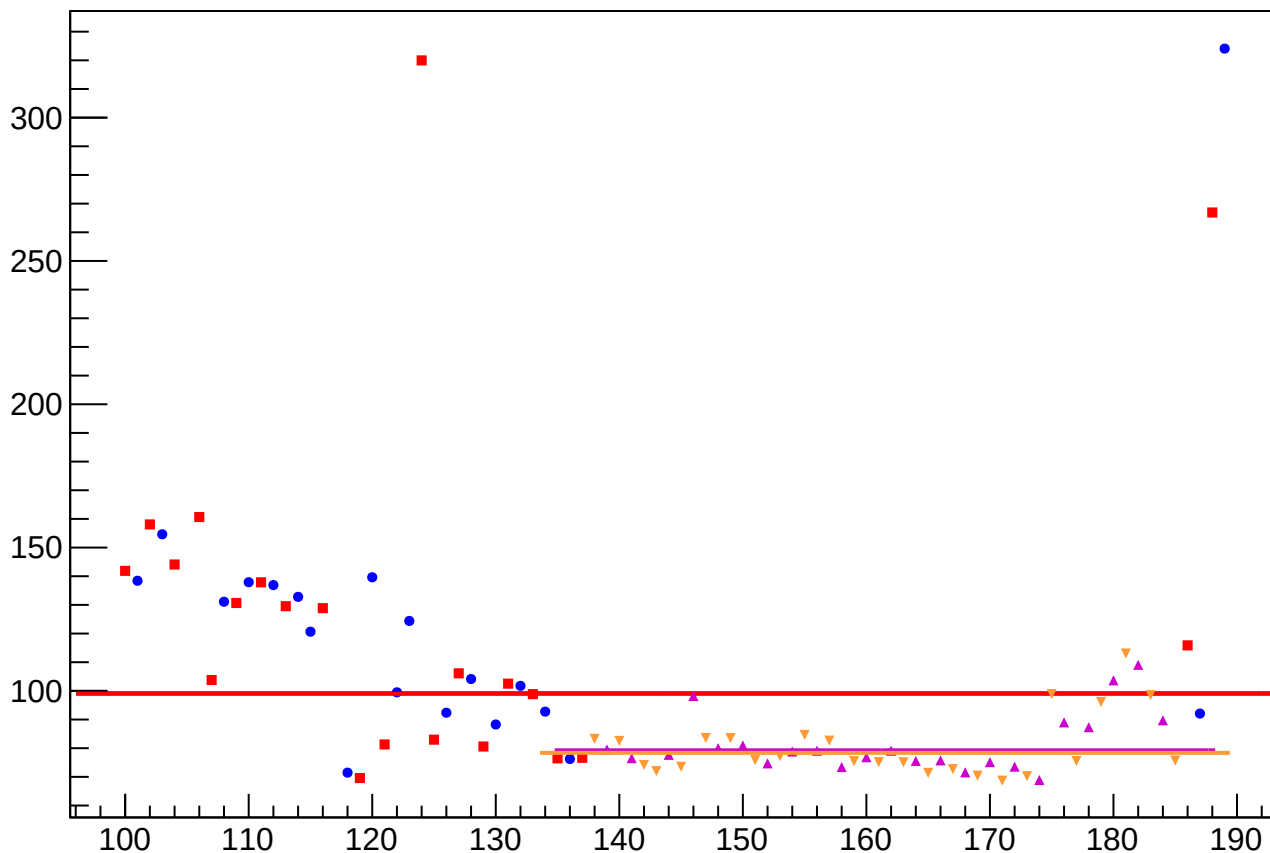
Right: -19.729 ± 26.669 χ^2/NDF : 38.7/39

In: 71.212 ± 17.132 χ^2/NDF : 43.9/41

Out: 109.122 ± 16.570 χ^2/NDF : 65.6/45

All: 90.798 ± 11.911 χ^2/NDF : 112.0/87

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 99.157+/-0.027 χ^2/NDF : 1273563.9/18

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 $\chi^2/\text{NDF}: 874323.4/47$

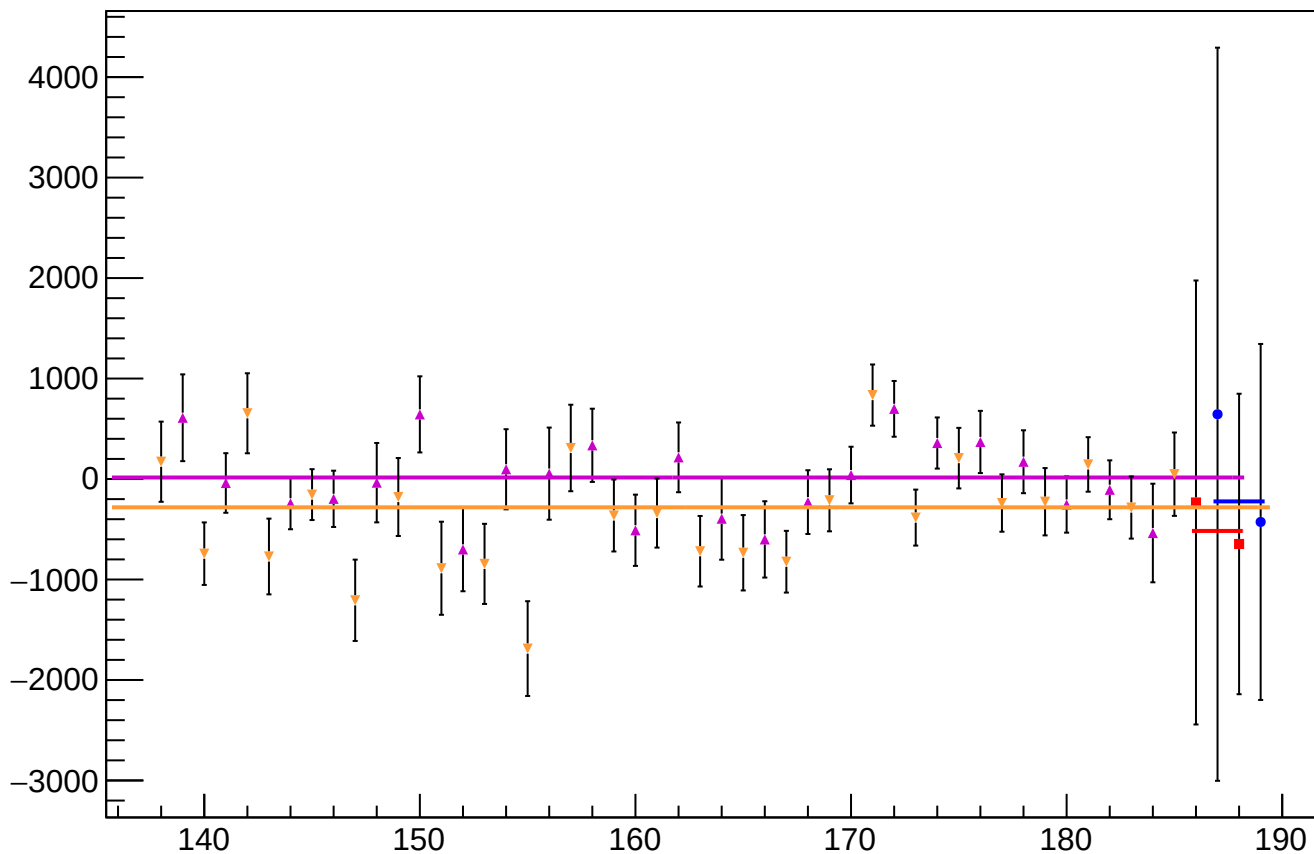
Right: 99.066+/-0.019 χ^2/NDF : 2735111.0/39

In: 83.199+/-0.012 χ^2/NDF :2099176.9/41

Out: 82.514+/-0.012 χ^2/NDF :2432829.2/45

All: 82.845+/-0.008 χ^2/NDF : 4533659.1/87

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: -222.697+/-1593.628 χ^2/NDF : 0.1/1

Left Out: -281.673+/-67.809 χ^2/NDF :56.4/24

Right Out: -516.744+/-1238.295 χ^2/NDF : 0.0/1

Left In: 15.153+/-68.755 χ^2/NDF :28.6/22

Left: -135.316+/-48.279 χ^2/NDF : 94.4/47

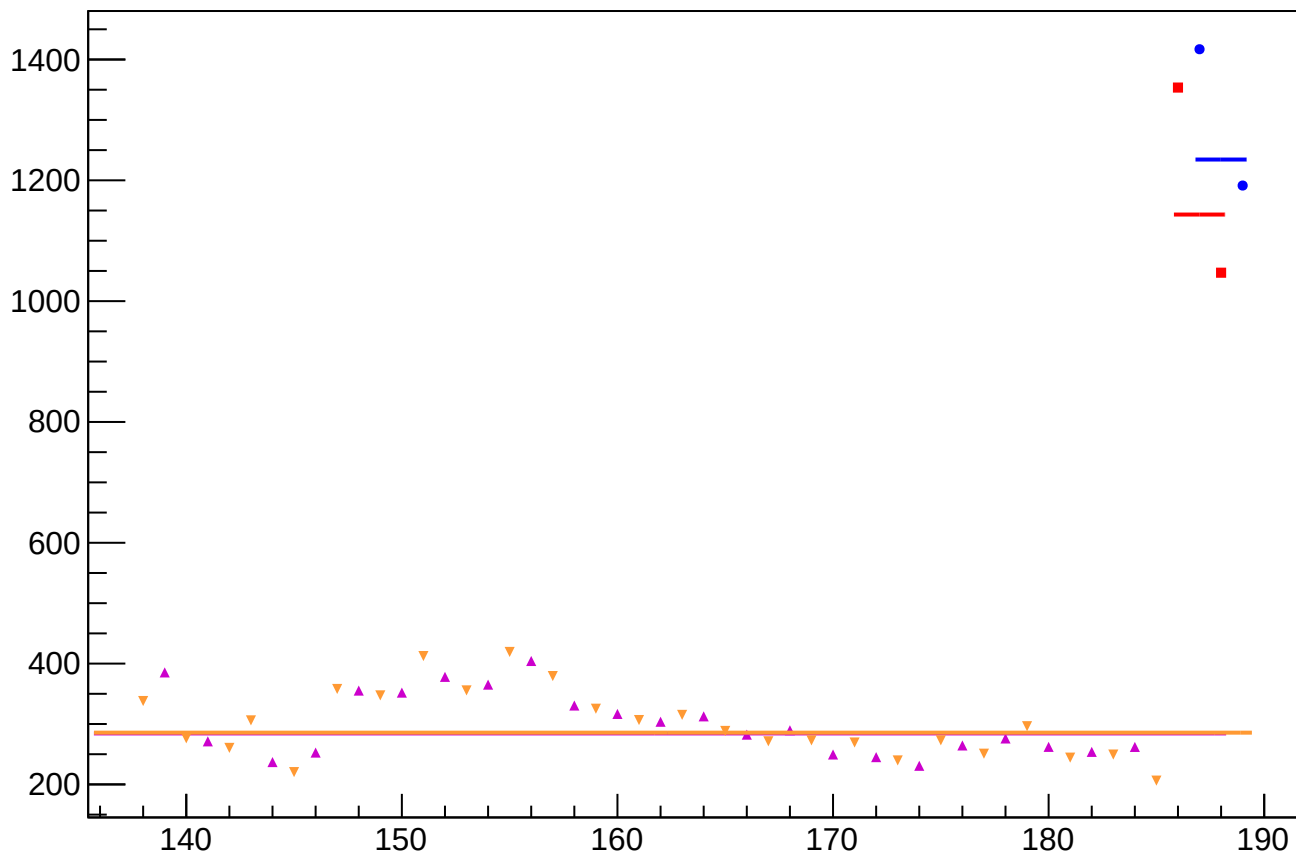
Right: -406.044+/-977.806 χ^2/NDF : 0.1/3

In: 14.711+/-68.691 χ^2/NDF :28.7/24

Out: -282.376+/-67.707 χ^2/NDF :56.4/26

All: -135.974+/-48.220 χ^2/NDF : 94.6/51

asym_sam7_correction_rms vs Slug, Sign Corrected



Right In: 1234.418 $\pm$ 1.127 χ^2 /NDF: 6191.7/1

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

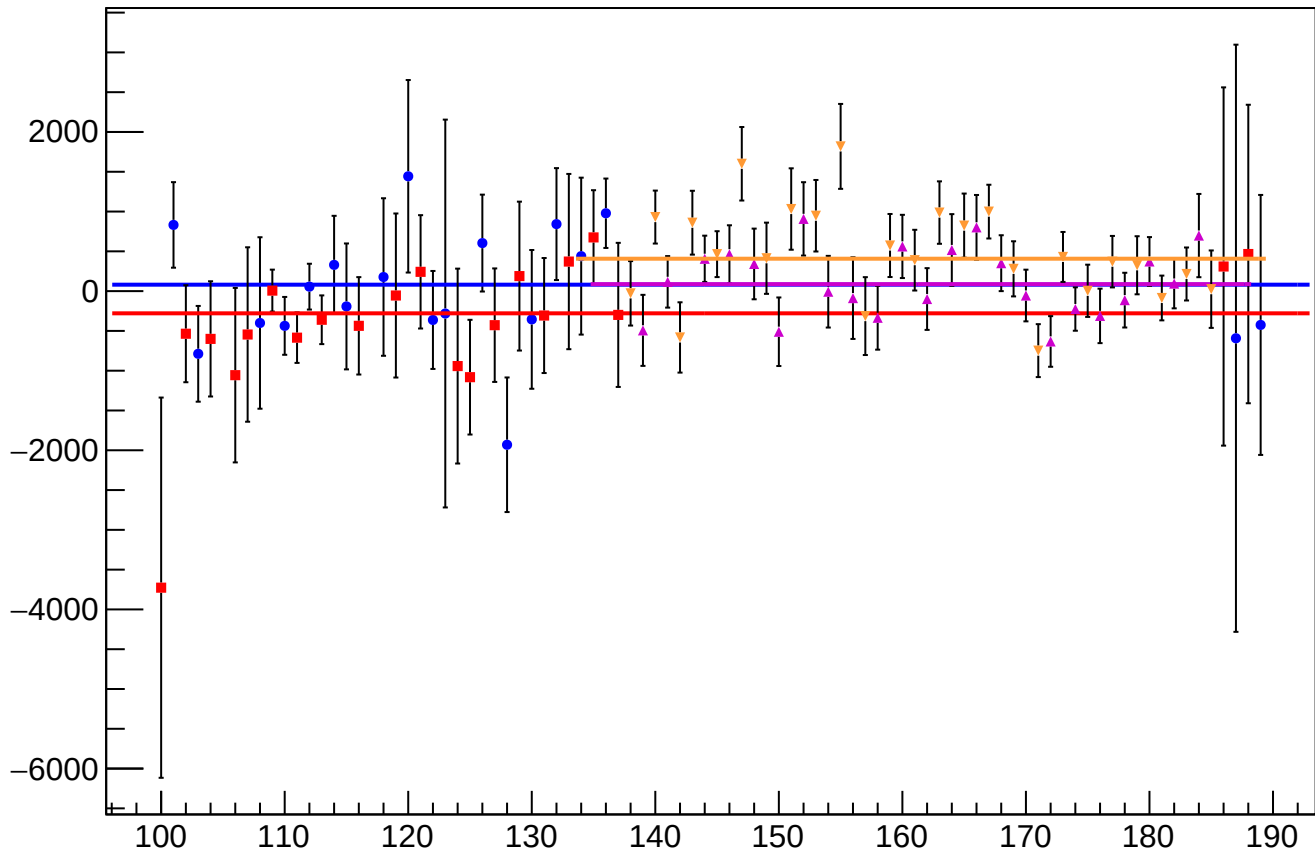
Right: 1177.635 $\pm$ 0.691 χ^2 /NDF: 36659.5/3

In: 286.151 $\pm$ 0.049 χ^2 /NDF:1642614.0/24

Out: 288.253 $\pm$ 0.048 χ^2 /NDF:2044036.0/26

All: 287.217 $\pm$ 0.034 χ^2 /NDF: 3687599.7/51

asym_sam7_mean vs Slug, Sign Corrected



Right In: 80.950 ± 141.955 χ^2/NDF : 20.7/18

Left Out: 407.375 ± 74.730 χ^2/NDF : 53.0/24

Right Out: -278.948 ± 129.078 χ^2/NDF : 10.8/20

Left In: 87.657 ± 76.572 χ^2/NDF : 27.4/22

Left: 251.406 ± 53.481 χ^2/NDF : 89.4/47

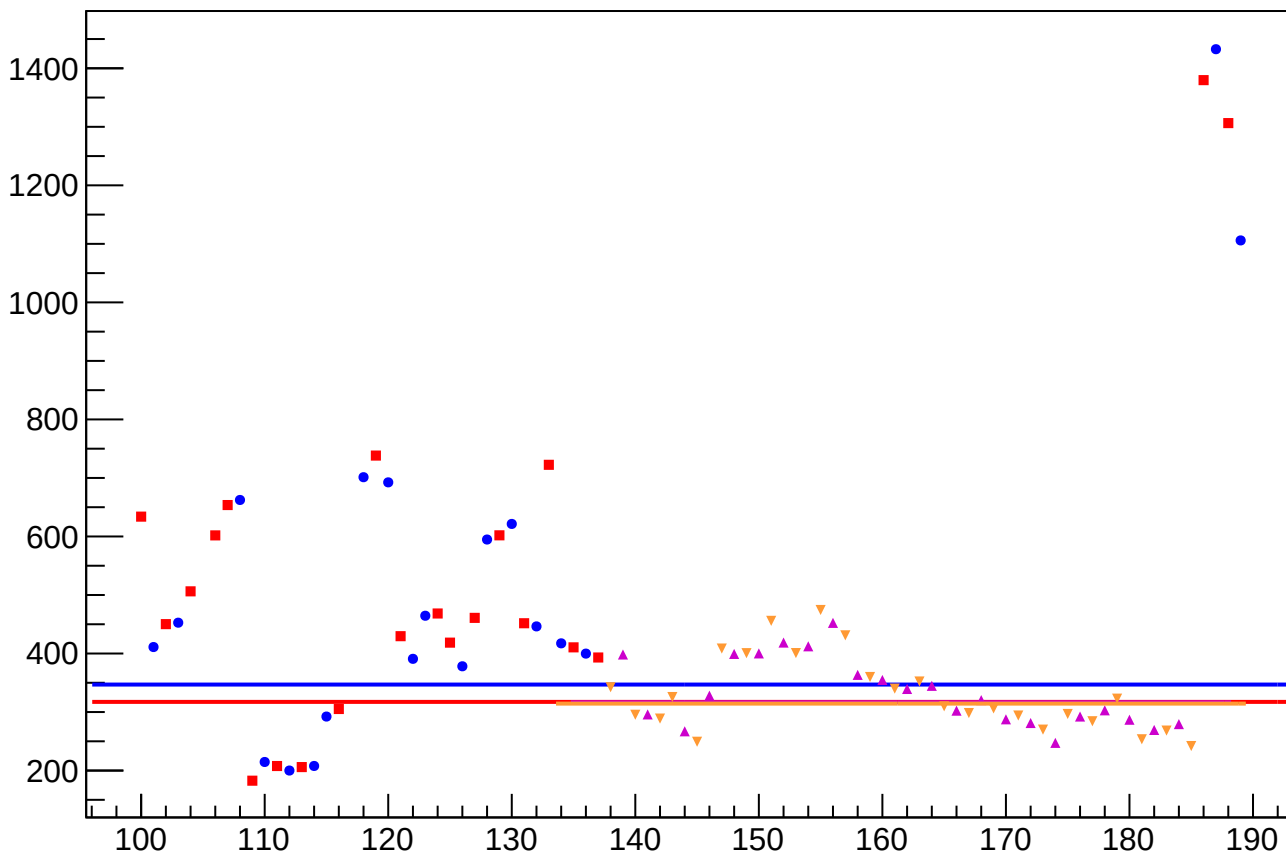
Right: -116.060 ± 95.501 χ^2/NDF : 35.0/39

In: 86.145 ± 67.392 χ^2/NDF : 48.1/41

Out: 235.079 ± 64.673 χ^2/NDF : 85.0/45

All: 163.677 ± 46.663 χ^2/NDF : 135.7/87

asym_sam7_rms vs Slug, Sign Corrected



Right In: 346.957 $\pm$ 0.100 χ^2 /NDF: 2652462.8/18

Left Out: 314.405 $\pm$ 0.053 χ^2 /NDF:1112244.9/24

Right Out: 317.348 $\pm$ 0.091 χ^2 /NDF: 3739959.8/20

Left In: 316.616 $\pm$ 0.054 χ^2 /NDF:929652.0/22

Left: 315.484 $\pm$ 0.038 χ^2 /NDF: 2042751.4/47

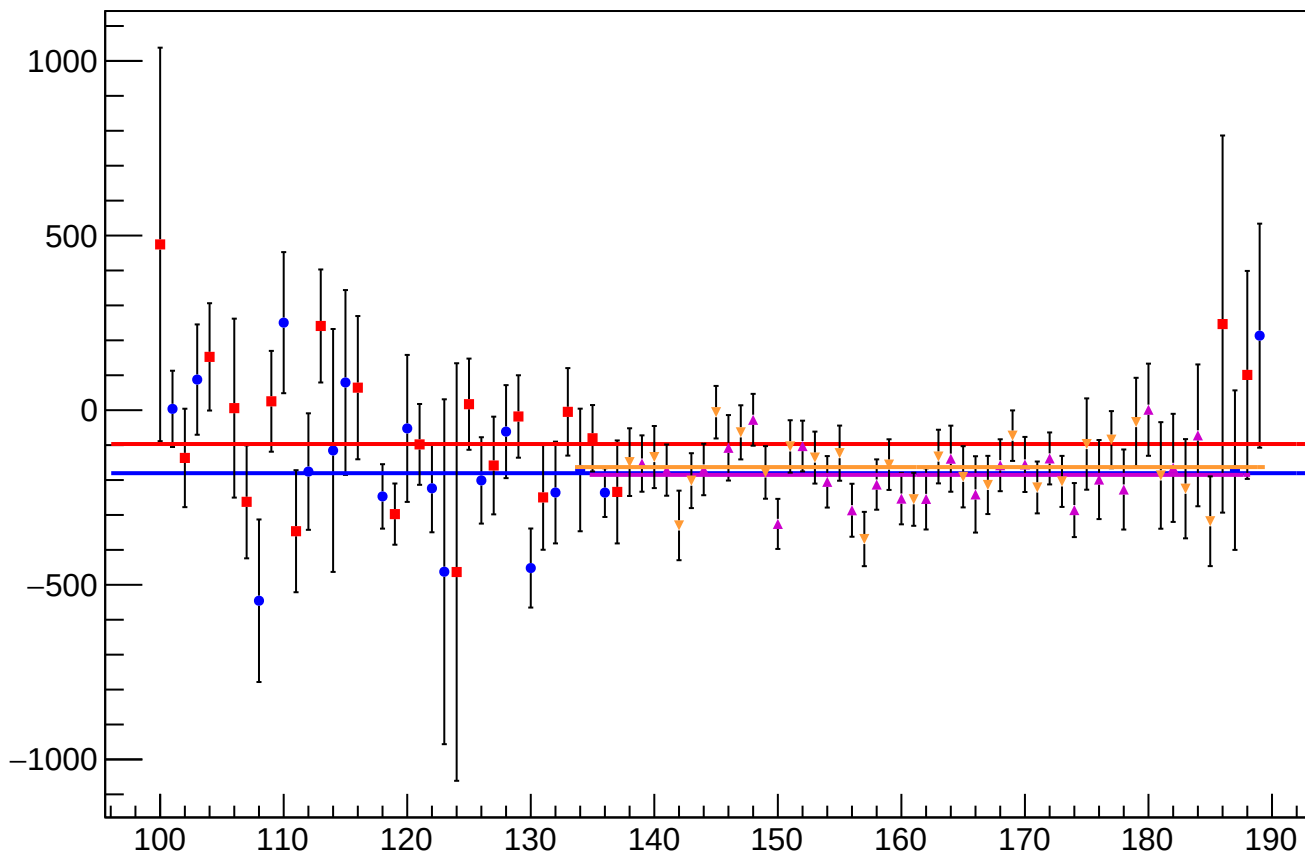
Right: 330.749 $\pm$ 0.068 χ^2 /NDF: 6440053.2/39

In: 323.455 $\pm$ 0.048 χ^2 /NDF:3652888.7/41

Out: 315.144 $\pm$ 0.046 χ^2 /NDF:4852983.6/45

All: 319.128 $\pm$ 0.033 χ^2 /NDF: 8521706.6/87

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -180.383 $\pm$ 32.502 χ^2 /NDF: 24.0/18

Left Out: -162.932 $\pm$ 16.926 χ^2 /NDF:25.7/24

Right Out: -96.887 $\pm$ 32.262 χ^2 /NDF: 23.0/20

Left In: -185.213 $\pm$ 17.594 χ^2 /NDF:19.4/22

Left: -173.642 $\pm$ 12.198 χ^2 /NDF: 46.0/47

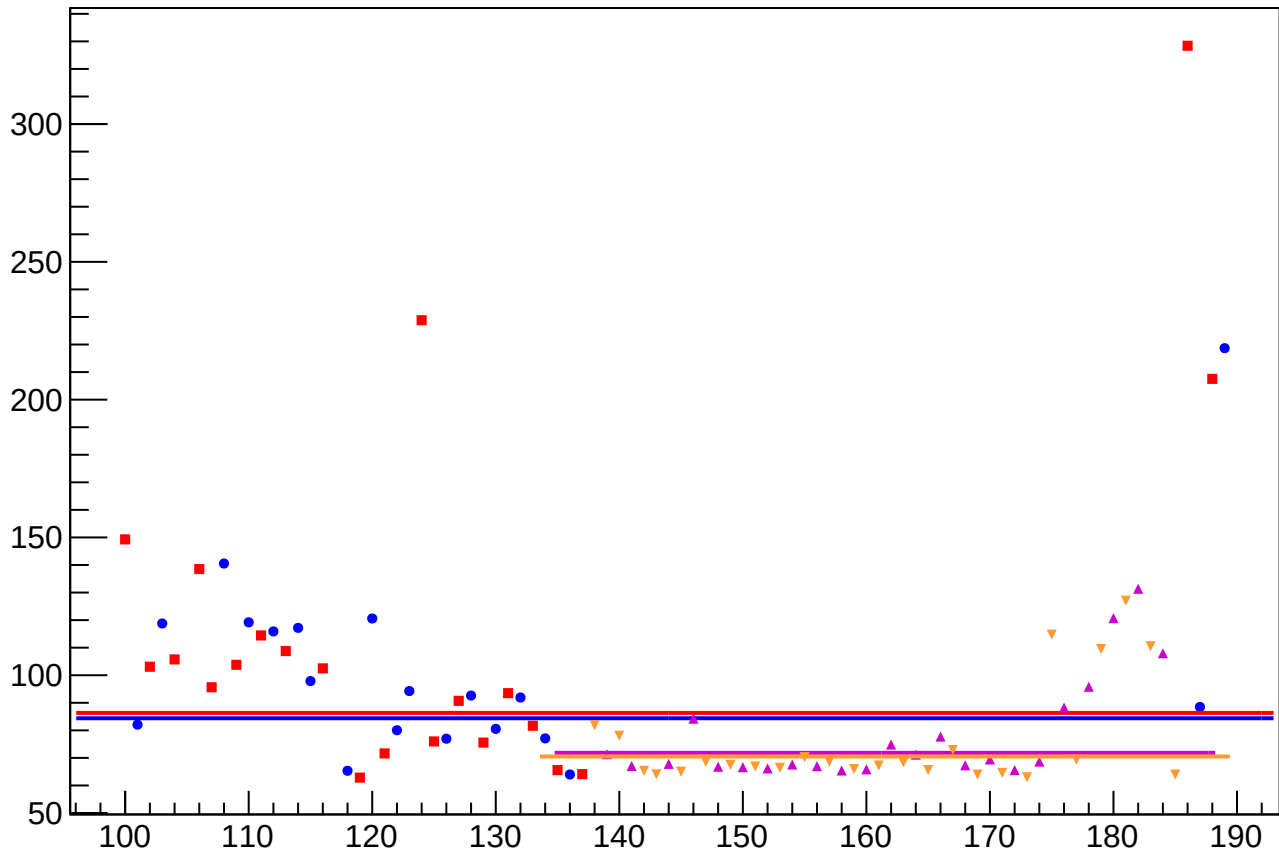
Right: -138.326 $\pm$ 22.897 χ^2 /NDF: 50.3/39

In: -184.119 $\pm$ 15.472 χ^2 /NDF:43.4/41

Out: -148.677 $\pm$ 14.989 χ^2 /NDF:52.1/45

All: -165.835 $\pm$ 10.765 χ^2 /NDF: 98.1/87

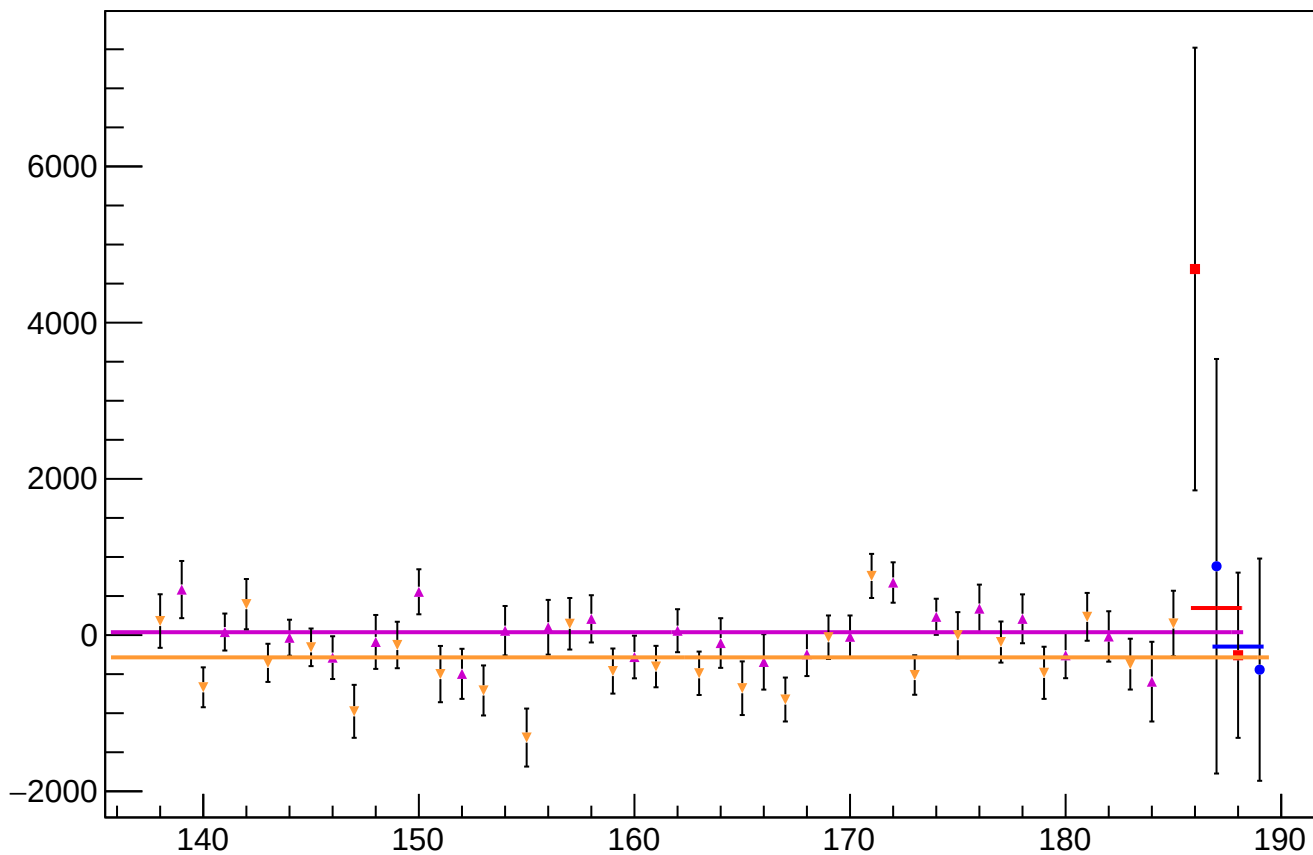
dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 84.389 $\pm$ 0.023 χ^2 /NDF: 1061895.8/18
 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: 85.369 $\pm$ 0.016 χ^2 /NDF: 2574623.5/39
 In: 74.686 $\pm$ 0.011 χ^2 /NDF:2215677.3/41
 Out: 73.934 $\pm$ 0.011 χ^2 /NDF:2902594.5/45
 All: 74.298 $\pm$ 0.008 χ^2 /NDF: 5120707.8/87

asym_sam8_correction_mean vs Slug, Sign Corrected



Right In: -147.288 ± 1253.835 χ^2/NDF : 0.2/1

Left Out: -285.231 ± 59.396 χ^2/NDF : 52.1/24

Right Out: 346.573 ± 990.959 χ^2/NDF : 2.7/1

Left In: 36.923 ± 61.202 χ^2/NDF : 24.6/22

Left: -128.979 ± 42.623 χ^2/NDF : 90.9/47

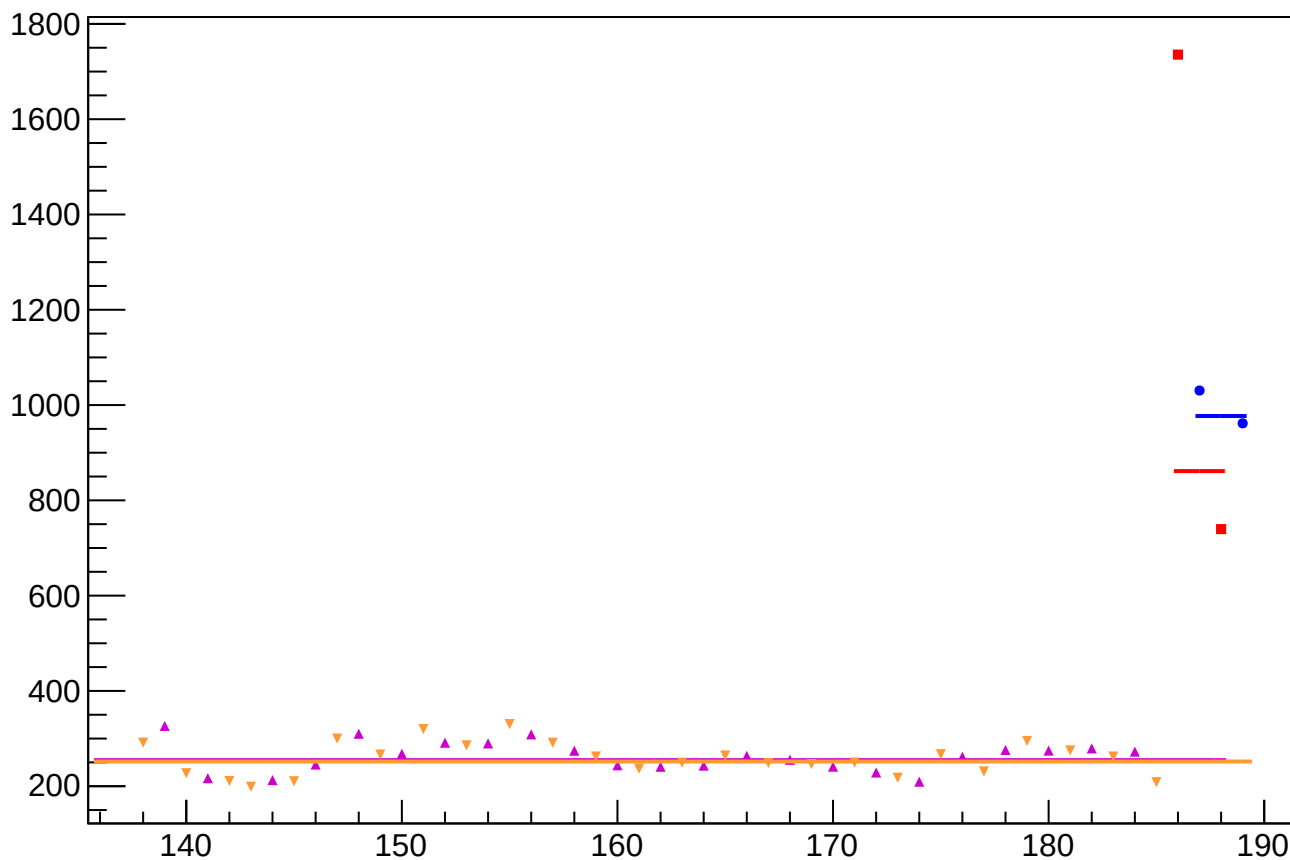
Right: 156.693 ± 777.458 χ^2/NDF : 3.0/3

In: 36.485 ± 61.129 χ^2/NDF : 24.8/24

Out: -282.970 ± 59.289 χ^2/NDF : 55.1/26

All: -128.123 ± 42.559 χ^2/NDF : 94.0/51

asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 977.022 $\pm$ 0.887 χ^2 /NDF: 1045.1/1

Left Out: 251.862 $\pm$ 0.042 χ^2 /NDF:623307.1/24

Right Out: 861.394 $\pm$ 0.701 χ^2 /NDF: 216793.8/1

Left In: 254.694 $\pm$ 0.043 χ^2 /NDF:506776.4/22

Left: 253.236 $\pm$ 0.030 χ^2 /NDF: 1132288.0/47

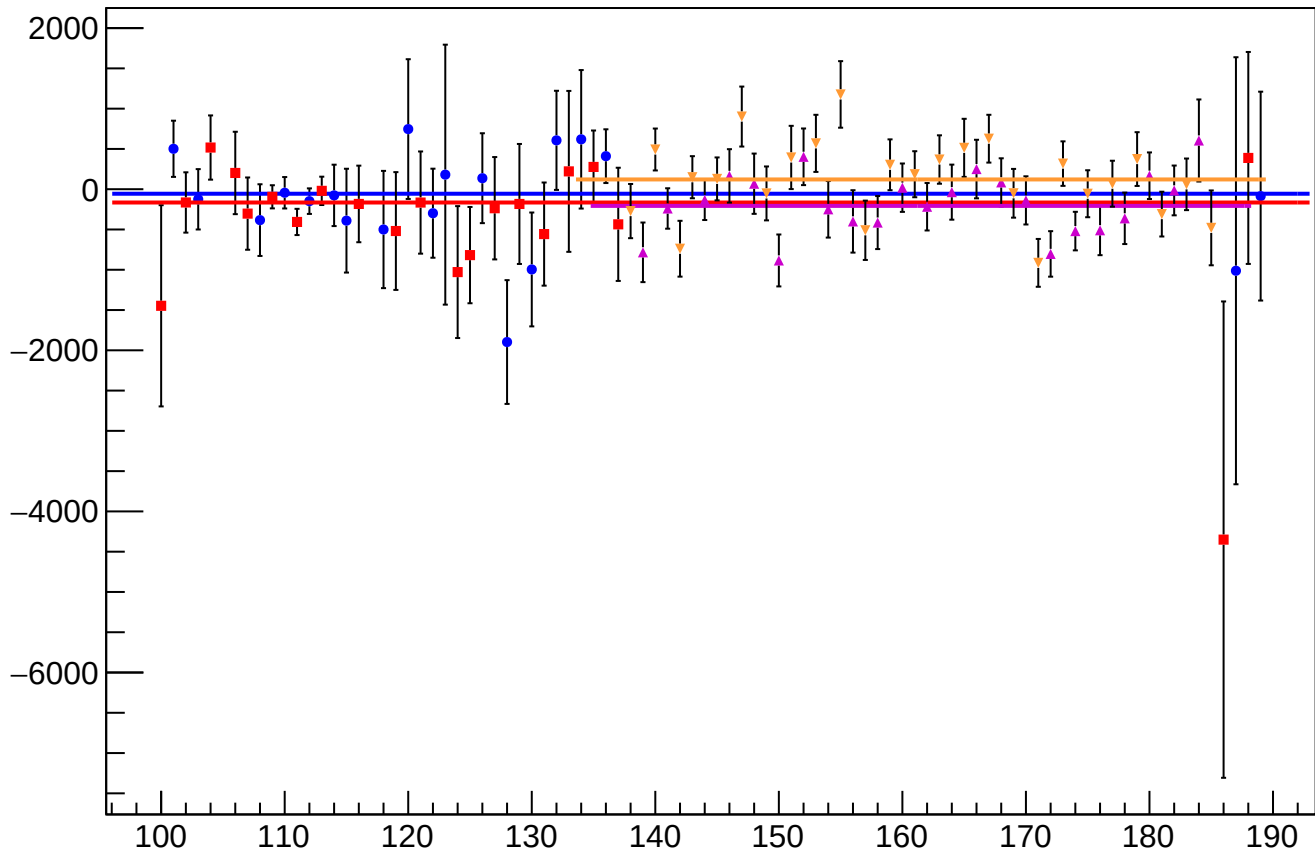
Right: 905.851 $\pm$ 0.550 χ^2 /NDF: 228308.2/3

In: 256.411 $\pm$ 0.043 χ^2 /NDF:1170015.1/24

Out: 254.044 $\pm$ 0.042 χ^2 /NDF:1594071.0/26

All: 255.191 $\pm$ 0.030 χ^2 /NDF: 2765630.7/51

asym_sam8_mean vs Slug, Sign Corrected



Right In: -56.187 $\pm$ 90.084 χ^2/NDF : 16.7/18

Left Out: 121.185 $\pm$ 62.911 χ^2/NDF : 49.0/24

Right Out: -165.082 $\pm$ 76.746 χ^2/NDF : 14.1/20

Left In: -207.047 $\pm$ 65.246 χ^2/NDF : 27.8/22

Left: -36.951 $\pm$ 45.288 χ^2/NDF : 89.9/47

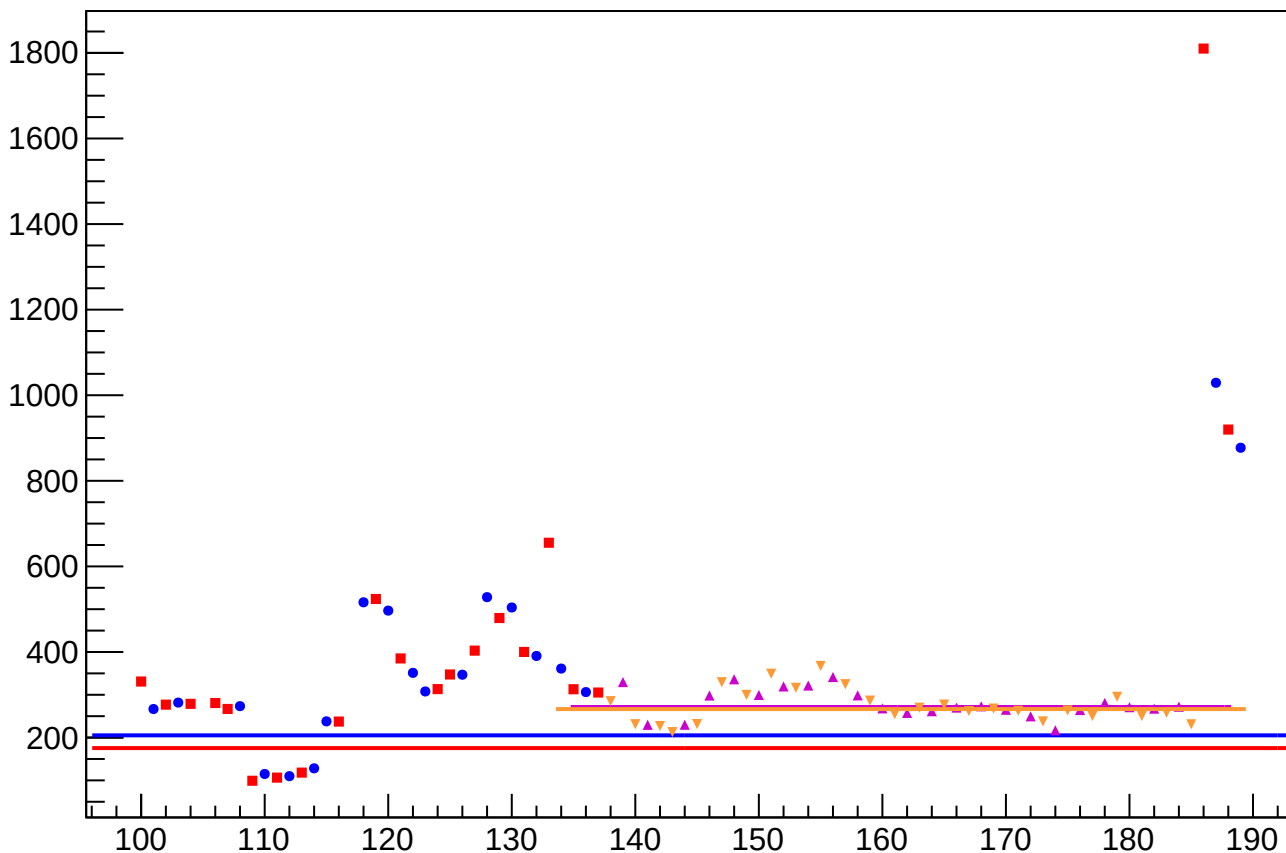
Right: -119.285 $\pm$ 58.420 χ^2/NDF : 31.6/39

In: -155.139 $\pm$ 52.842 χ^2/NDF : 46.3/41

Out: 6.135 $\pm$ 48.653 χ^2/NDF : 71.4/45

All: -67.857 $\pm$ 35.793 χ^2/NDF : 122.7/87

asym_sam8_rms vs Slug, Sign Corrected



Right In: 205.192+/-0.064 χ^2/NDF : 4171190.9/18

Left Out: 266.618+/-0.044 χ^2/NDF : 639230.8/24

Right Out: 175.443+/-0.054 χ^2/NDF : 5348490.7/20

Left In: 271.451+/-0.046 χ^2/NDF : 530897.8/22

Left: 268.946+/-0.032 χ^2/NDF : 1175815.9/47

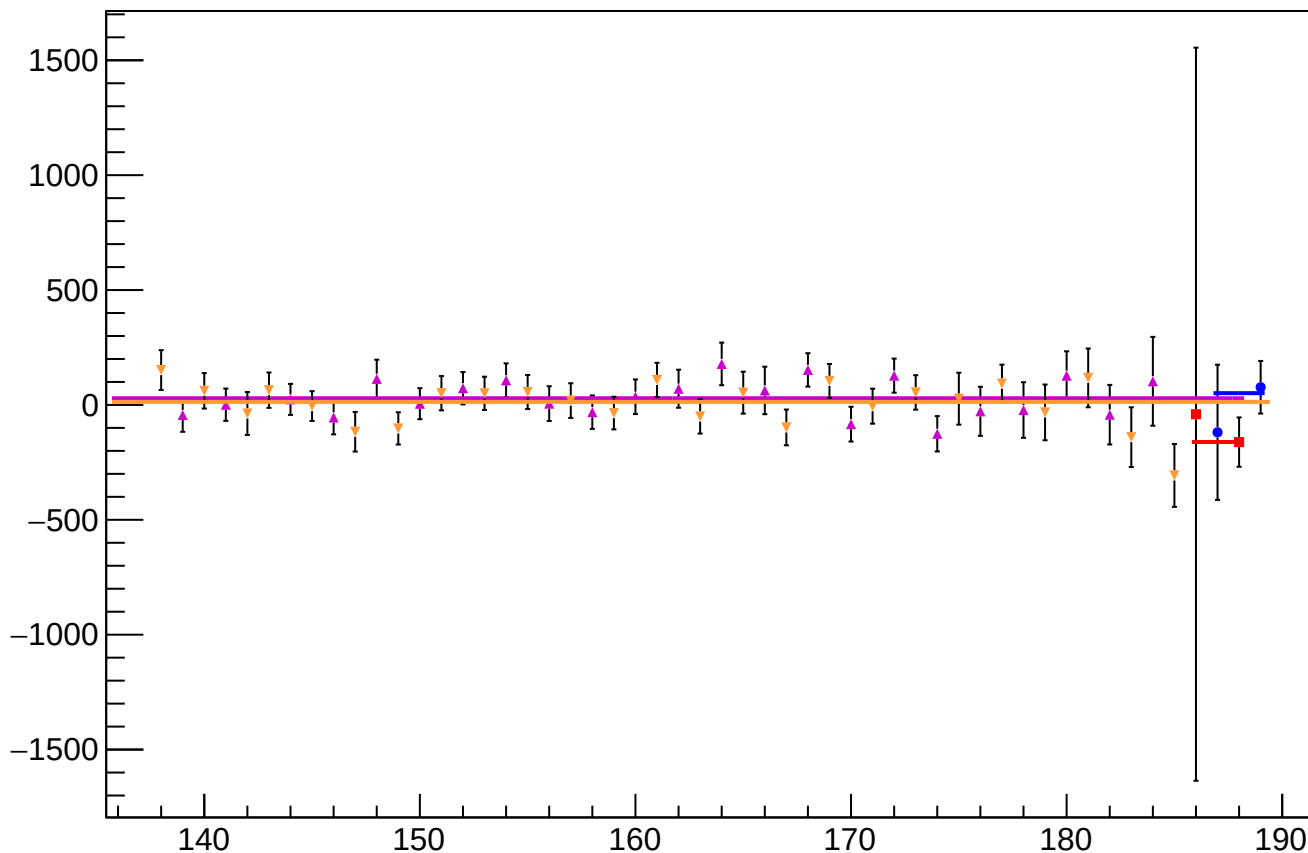
Right: 187.954+/-0.041 χ^2/NDF : 9646069.6/39

In: 248.652+/-0.037 χ^2/NDF : 5411771.3/41

Out: 229.975+/-0.034 χ^2/NDF : 7676006.0/45

All: 238.544+/-0.025 χ^2/NDF : 13223008.4/87

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 51.198+/-106.703 χ^2/NDF : 0.4/1

Left Out: 13.294+/-16.364 χ^2/NDF :25.2/24

Right Out: -161.274+/-107.048 χ^2/NDF : 0.0/1

Left In: 29.073+/-16.940 χ^2/NDF :21.5/22

Left: 20.911+/-11.769 χ^2/NDF : 47.2/47

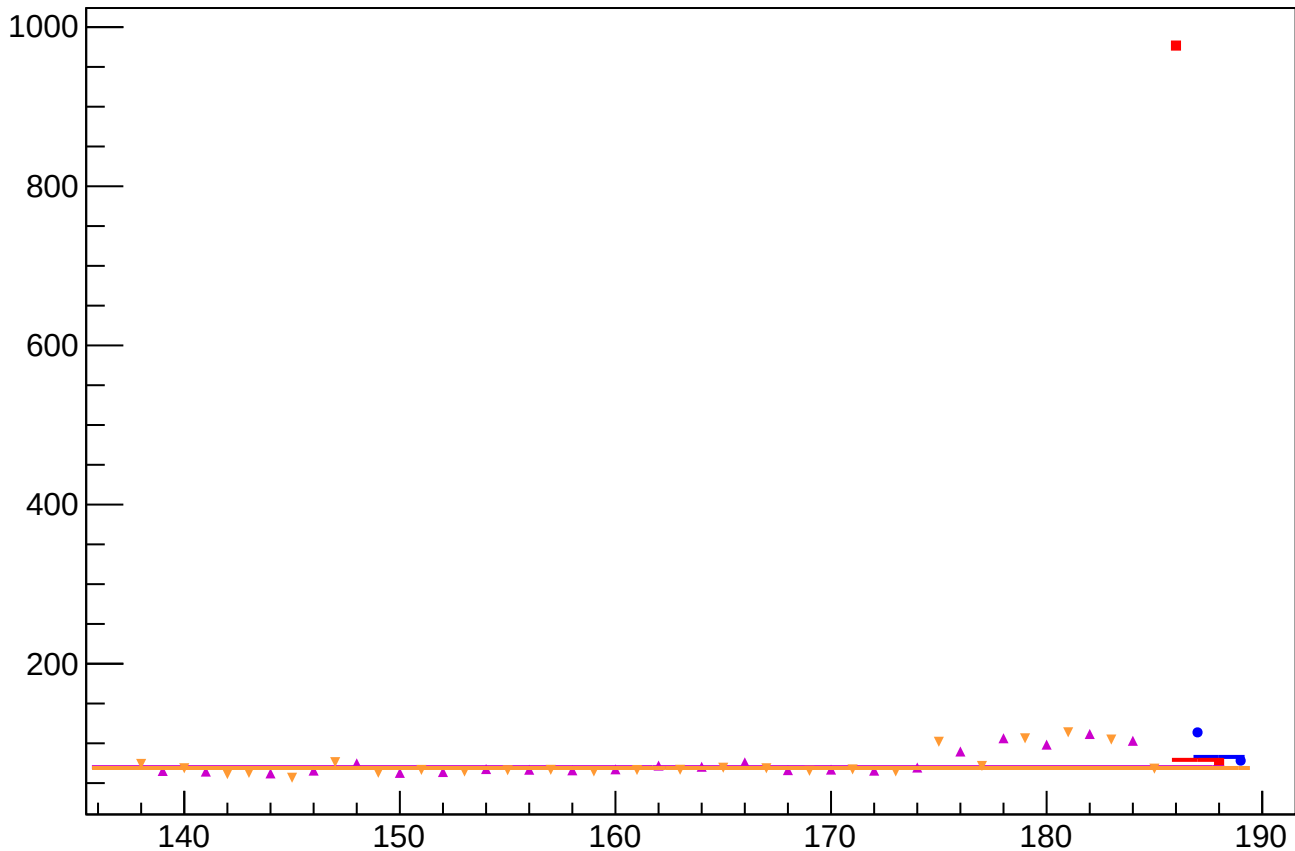
Right: -54.696+/-75.572 χ^2/NDF : 2.4/3

In: 29.617+/-16.730 χ^2/NDF :22.0/24

Out: 9.308+/-16.176 χ^2/NDF :27.8/26

All: 19.121+/-11.629 χ^2/NDF : 50.5/51

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 82.900 $\pm$ 0.075 χ^2 /NDF: 25302.1/1

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

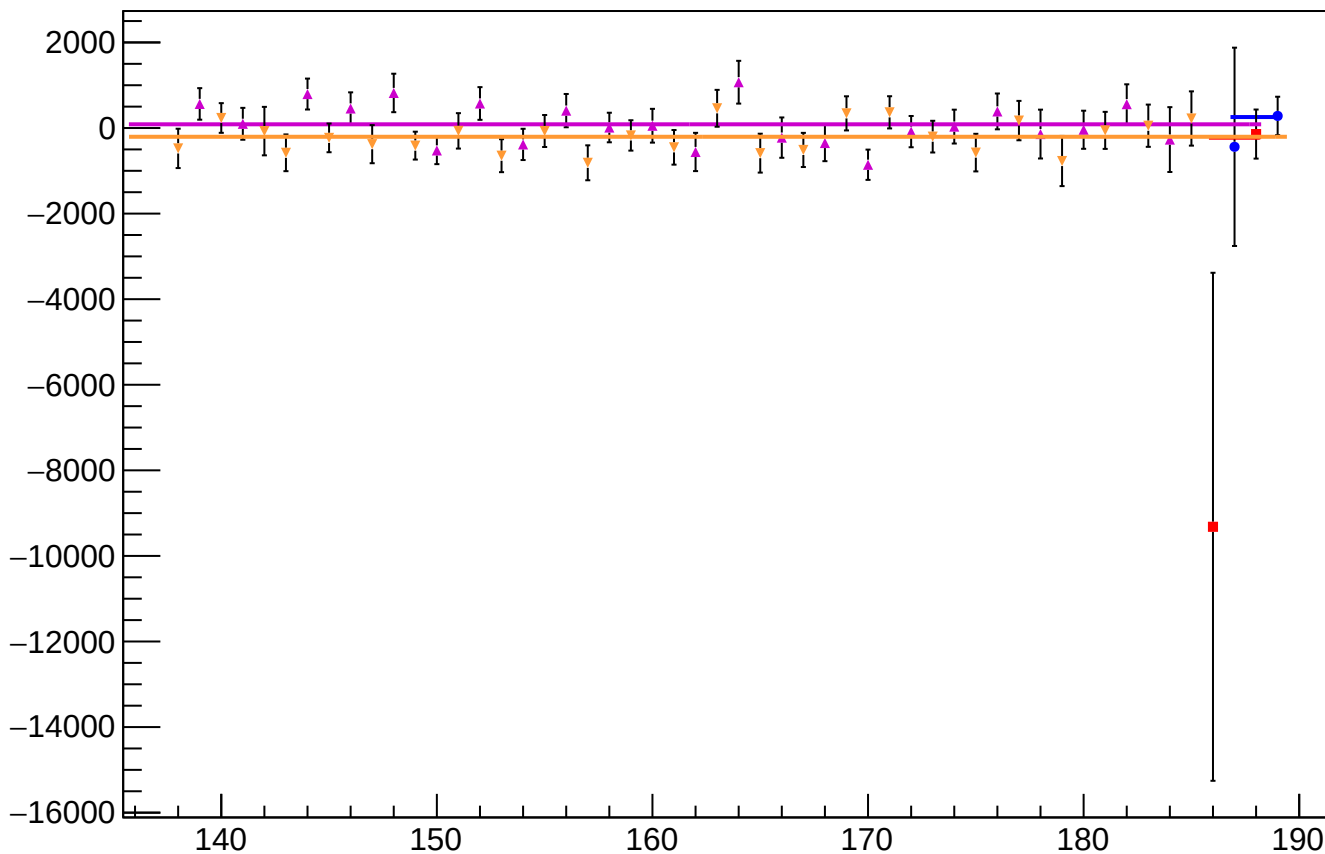
Right: 81.060 $\pm$ 0.053 χ^2 /NDF: 662442.0/3

In: 70.374 $\pm$ 0.012 χ^2 /NDF: 847103.9/24

Out: 69.224 $\pm$ 0.011 χ^2 /NDF: 1584775.5/26

All: 69.779 $\pm$ 0.008 χ^2 /NDF: 2436762.6/51

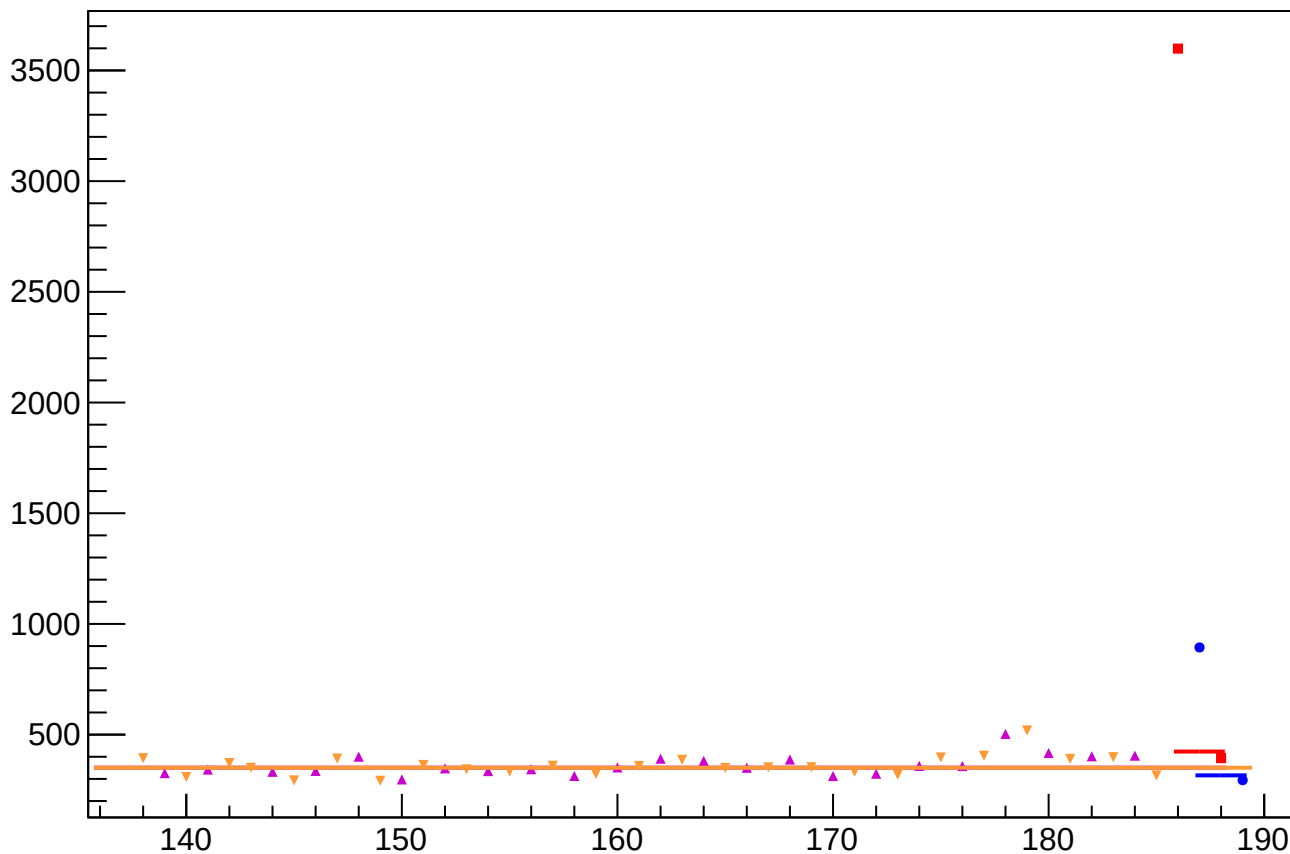
asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 256.487 ± 440.490 $\chi^2/\text{NDF}: 0.1/1$
 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: 76.359 ± 348.740 $\chi^2/\text{NDF}: 2.9/3$
 In: 92.908 ± 82.765 $\chi^2/\text{NDF}: 33.8/24$
 Out: -204.891 ± 81.735 $\chi^2/\text{NDF}: 20.9/26$
 All: -57.856 ± 58.156 $\chi^2/\text{NDF}: 61.3/51$

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 316.012 $\pm$ 0.311 χ^2 /NDF: 129024.9/1

Left Out: 350.500 $\pm$ 0.058 χ^2 /NDF: 500665.4/24

Right Out: 423.515 $\pm$ 0.404 χ^2 /NDF: 577538.3/1

Left In: 350.780 $\pm$ 0.060 χ^2 /NDF: 421229.4/22

Left: 350.637 $\pm$ 0.042 χ^2 /NDF: 921906.1/47

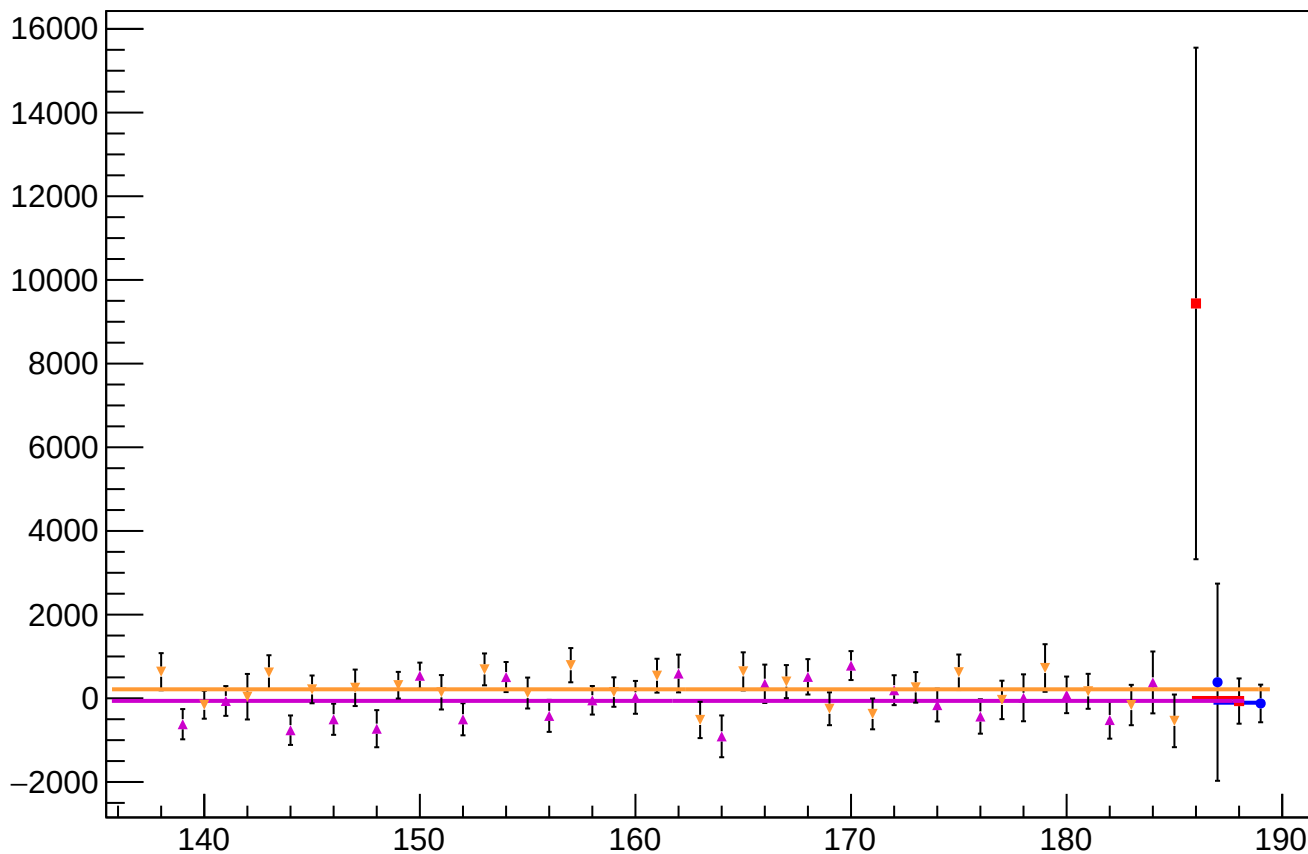
Right: 356.132 $\pm$ 0.247 χ^2 /NDF: 751019.7/3

In: 349.553 $\pm$ 0.059 χ^2 /NDF: 562274.4/24

Out: 351.997 $\pm$ 0.058 χ^2 /NDF: 1110251.3/26

All: 350.790 $\pm$ 0.041 χ^2 /NDF: 1673408.5/51

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: -105.186 ± 441.657 $\chi^2/\text{NDF}: 0.0/1$

Left Out: 215.214 ± 81.235 $\chi^2/\text{NDF}: 19.6/24$

Right Out: 7.846 ± 538.709 $\chi^2/\text{NDF}: 2.4/1$

Left In: -61.730 ± 82.841 $\chi^2/\text{NDF}: 34.9/22$

Left: 79.453 ± 58.001 $\chi^2/\text{NDF}: 60.2/47$

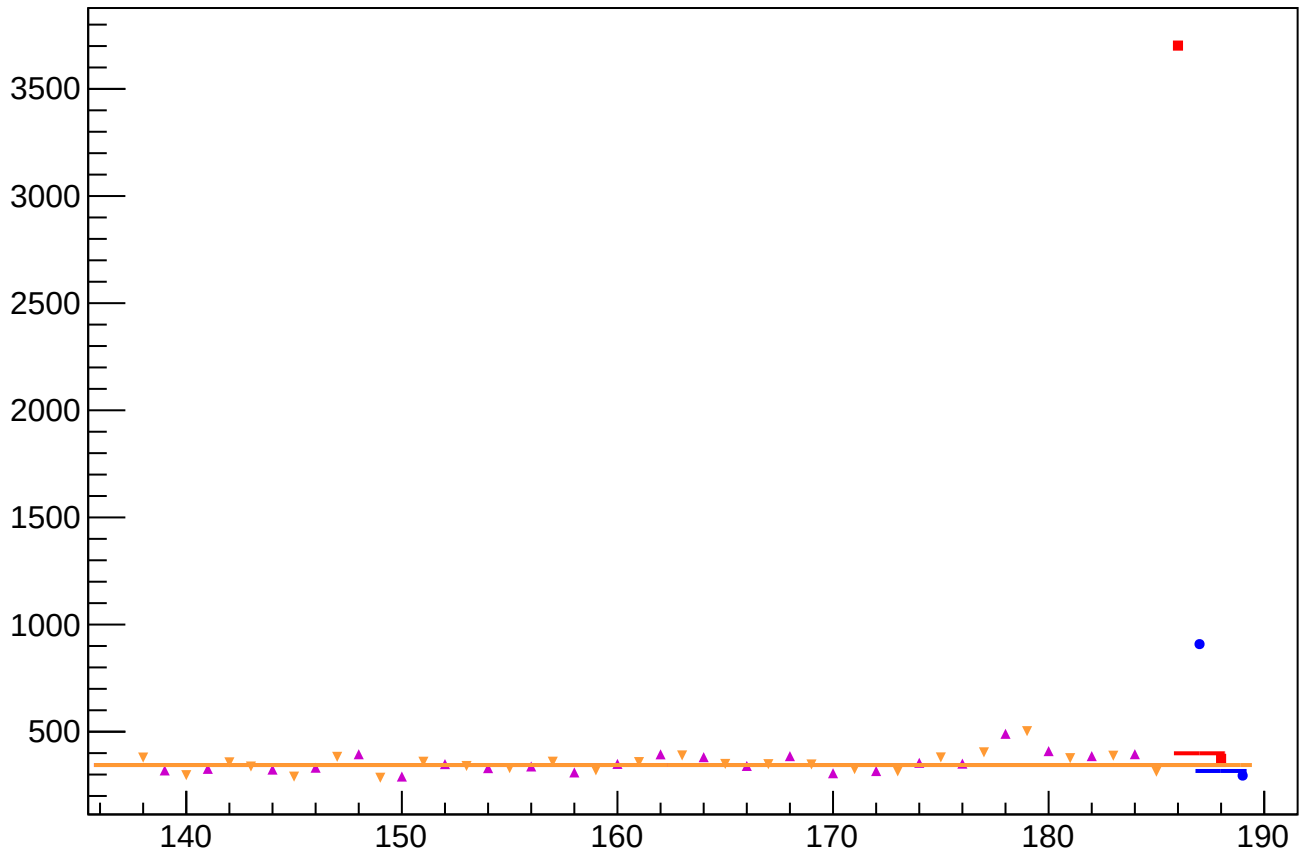
Right: -59.751 ± 341.546 $\chi^2/\text{NDF}: 2.5/3$

In: -63.207 ± 81.421 $\chi^2/\text{NDF}: 35.0/24$

Out: 210.603 ± 80.327 $\chi^2/\text{NDF}: 22.1/26$

All: 75.551 ± 57.183 $\chi^2/\text{NDF}: 62.8/51$

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 316.704+/-0.312 χ^2/NDF : 130838.0/1

Left Out: 344.439+/-0.057 χ^2/NDF : 488381.9/24

Right Out: 399.187+/-0.381 χ^2/NDF : 588327.0/1

Left In: 344.475+/-0.059 χ^2/NDF : 433401.7/22

Left: 344.457+/-0.041 χ^2/NDF : 921783.8/47

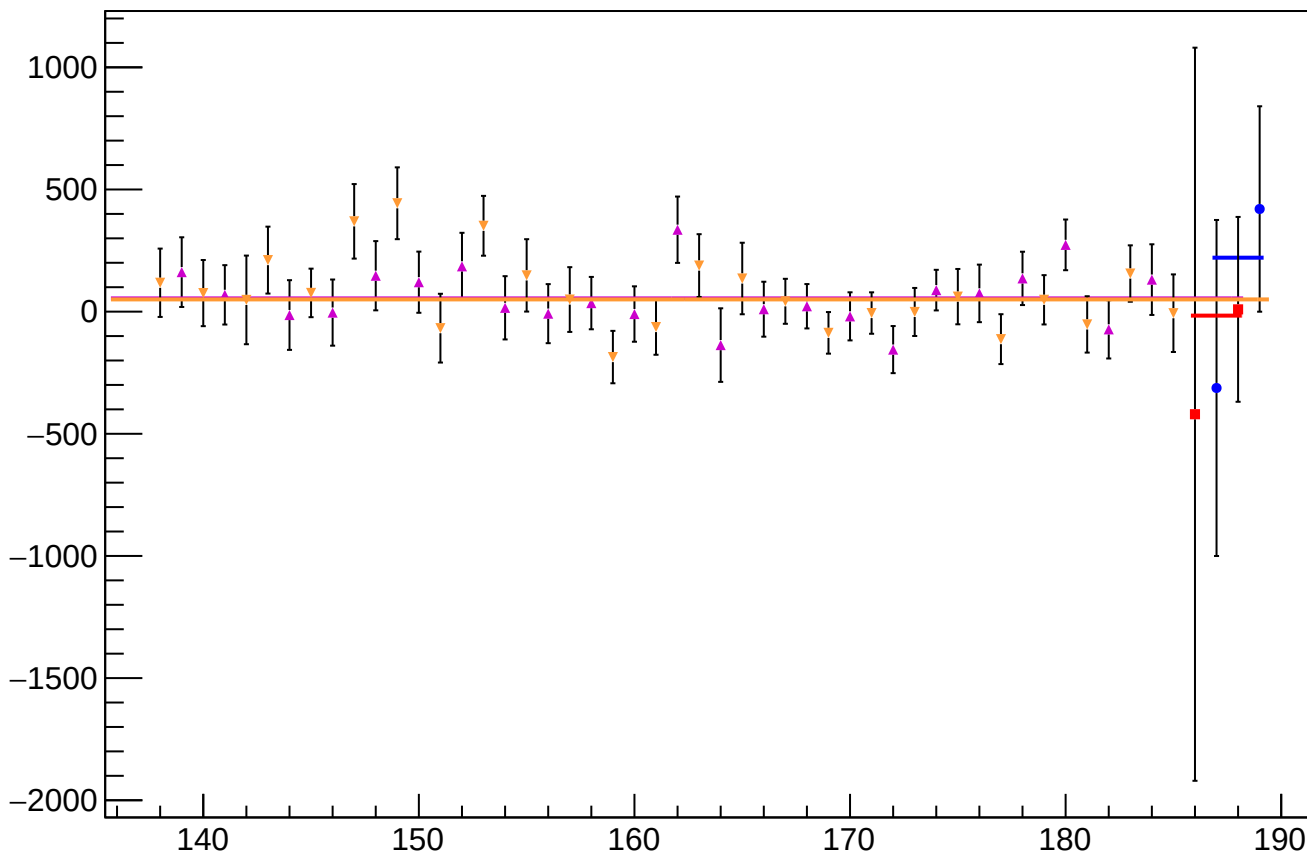
Right: 349.859+/-0.242 χ^2/NDF : 747204.5/3

In: 343.531+/-0.058 χ^2/NDF : 571878.3/24

Out: 345.656+/-0.057 χ^2/NDF : 1096905.9/26

All: 344.608+/-0.040 χ^2/NDF : 1669474.7/51

dit_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 220.849 $\pm$ 358.704 χ^2 /NDF: 0.8/1

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

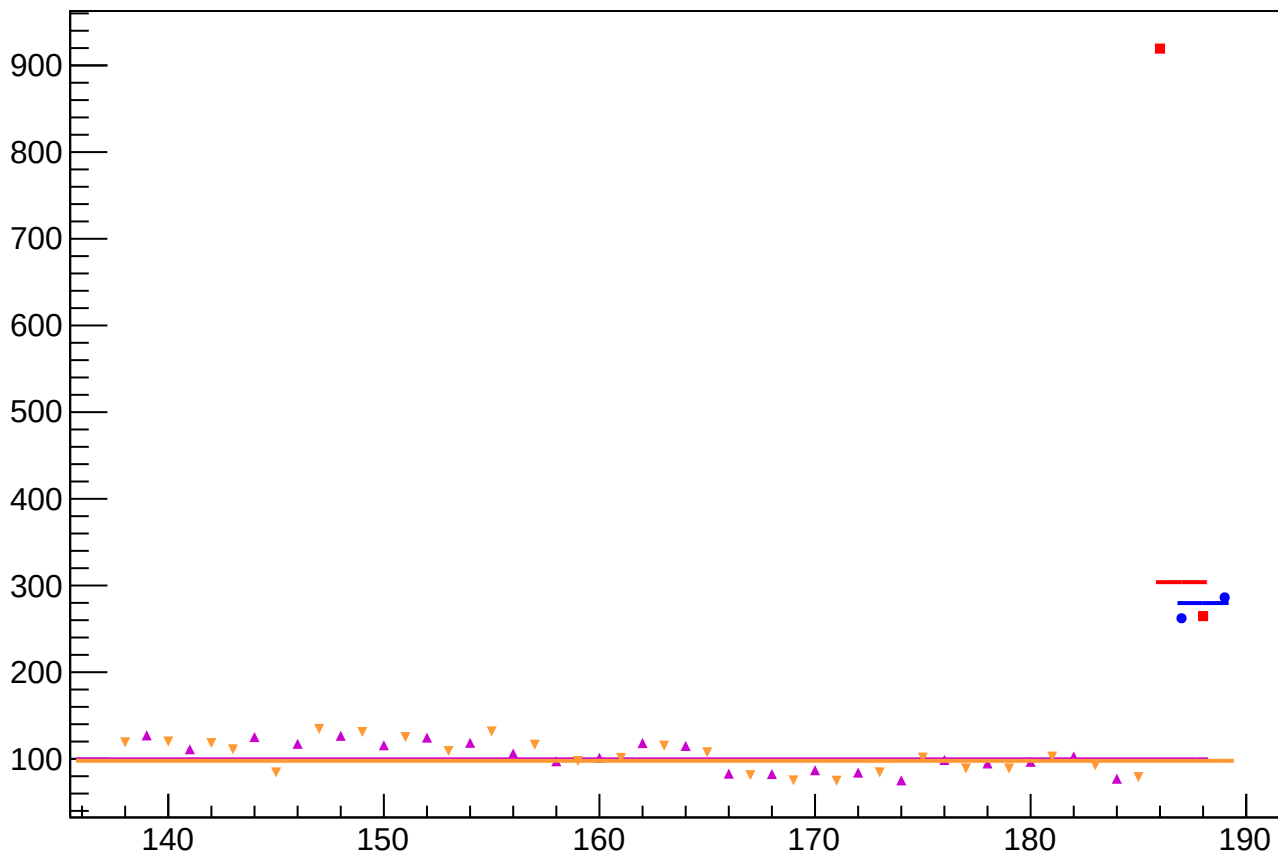
Right: 104.928 $\pm$ 256.468 χ^2 /NDF: 1.1/3

In: 54.969 $\pm$ 24.187 χ^2 /NDF:22.5/24

Out: 49.776 $\pm$ 23.317 χ^2 /NDF:35.5/26

All: 52.277 $\pm$ 16.786 χ^2 /NDF: 58.0/51

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 279.757 $\pm$ 0.254 χ^2 /NDF: 1787.5/1

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

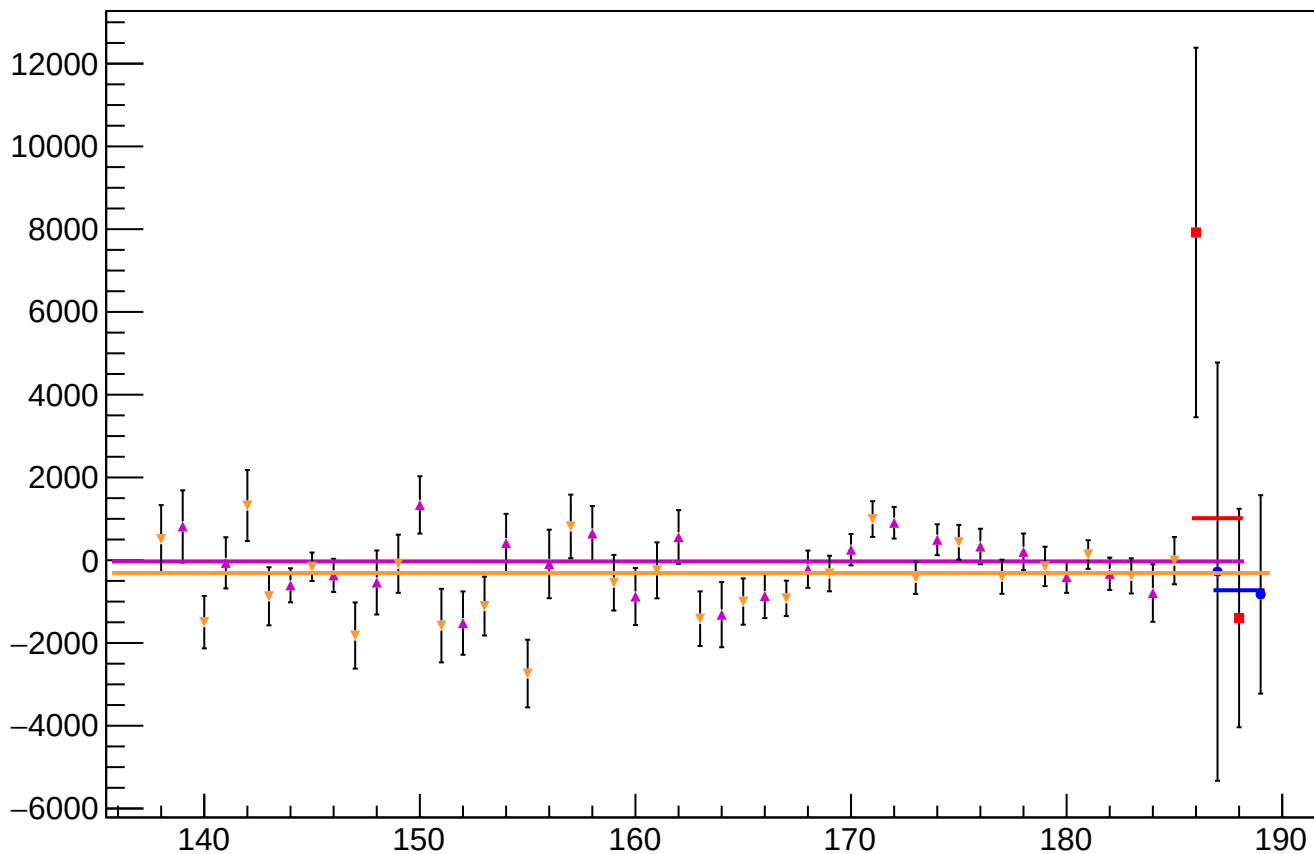
Right: 291.539 $\pm$ 0.181 χ^2 /NDF: 364211.3/3

In: 100.322 $\pm$ 0.017 χ^2 /NDF:1403110.2/24

Out: 98.609 $\pm$ 0.016 χ^2 /NDF:2127453.0/26

All: 99.434 $\pm$ 0.012 χ^2 /NDF: 3535760.6/51

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -725.500 ± 2165.776 $\chi^2/\text{NDF}: 0.0/1$

Left Out: -308.038 ± 104.531 $\chi^2/\text{NDF}: 47.9/24$

Right Out: 1016.688 ± 2272.891 $\chi^2/\text{NDF}: 3.2/1$

Left In: -28.710 ± 106.080 $\chi^2/\text{NDF}: 33.1/22$

Left: -170.428 ± 74.456 $\chi^2/\text{NDF}: 84.5/47$

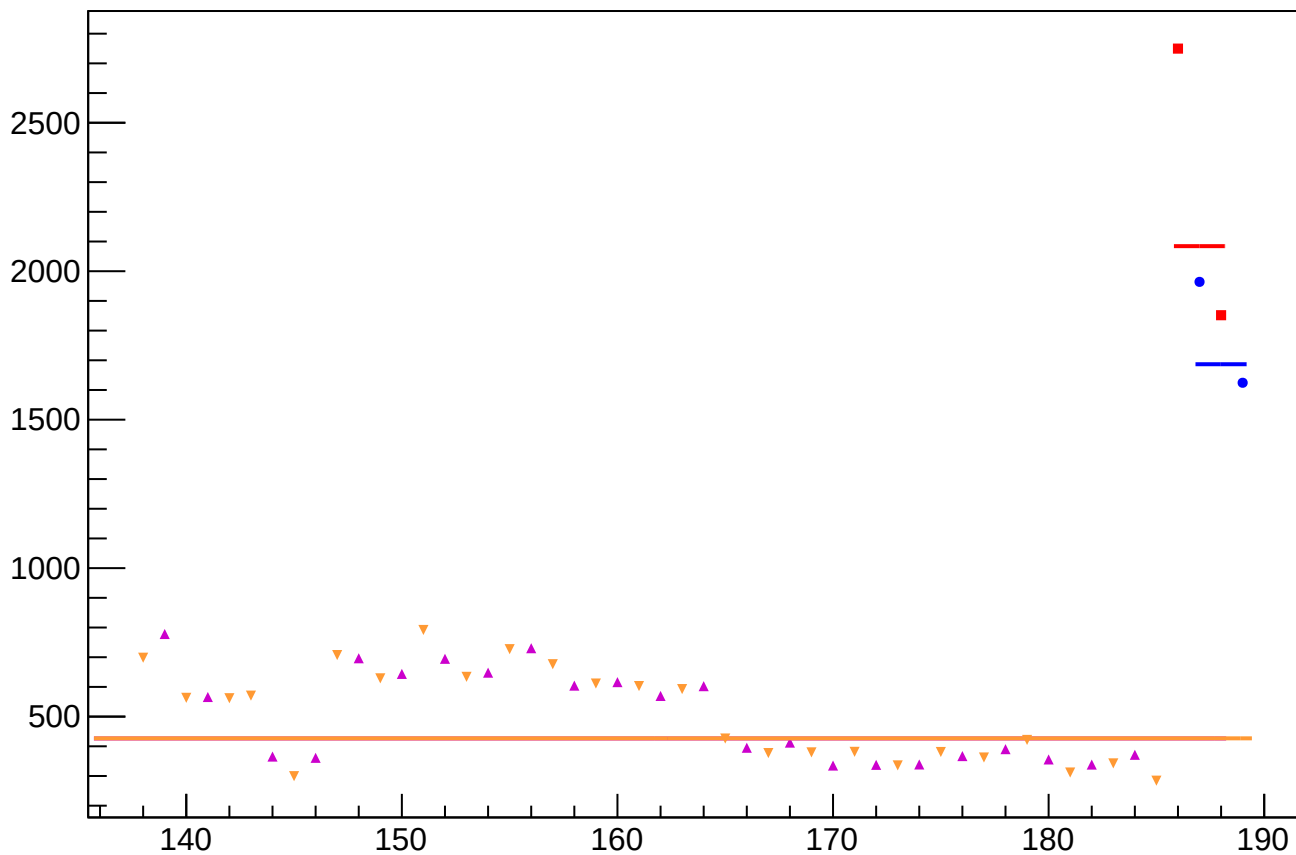
Right: 103.576 ± 1567.935 $\chi^2/\text{NDF}: 3.5/3$

In: -30.377 ± 105.953 $\chi^2/\text{NDF}: 33.2/24$

Out: -305.242 ± 104.420 $\chi^2/\text{NDF}: 51.5/26$

All: -169.812 ± 74.372 $\chi^2/\text{NDF}: 88.1/51$

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1686.728+/-1.531 χ^2 /NDF: 7381.3/1

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

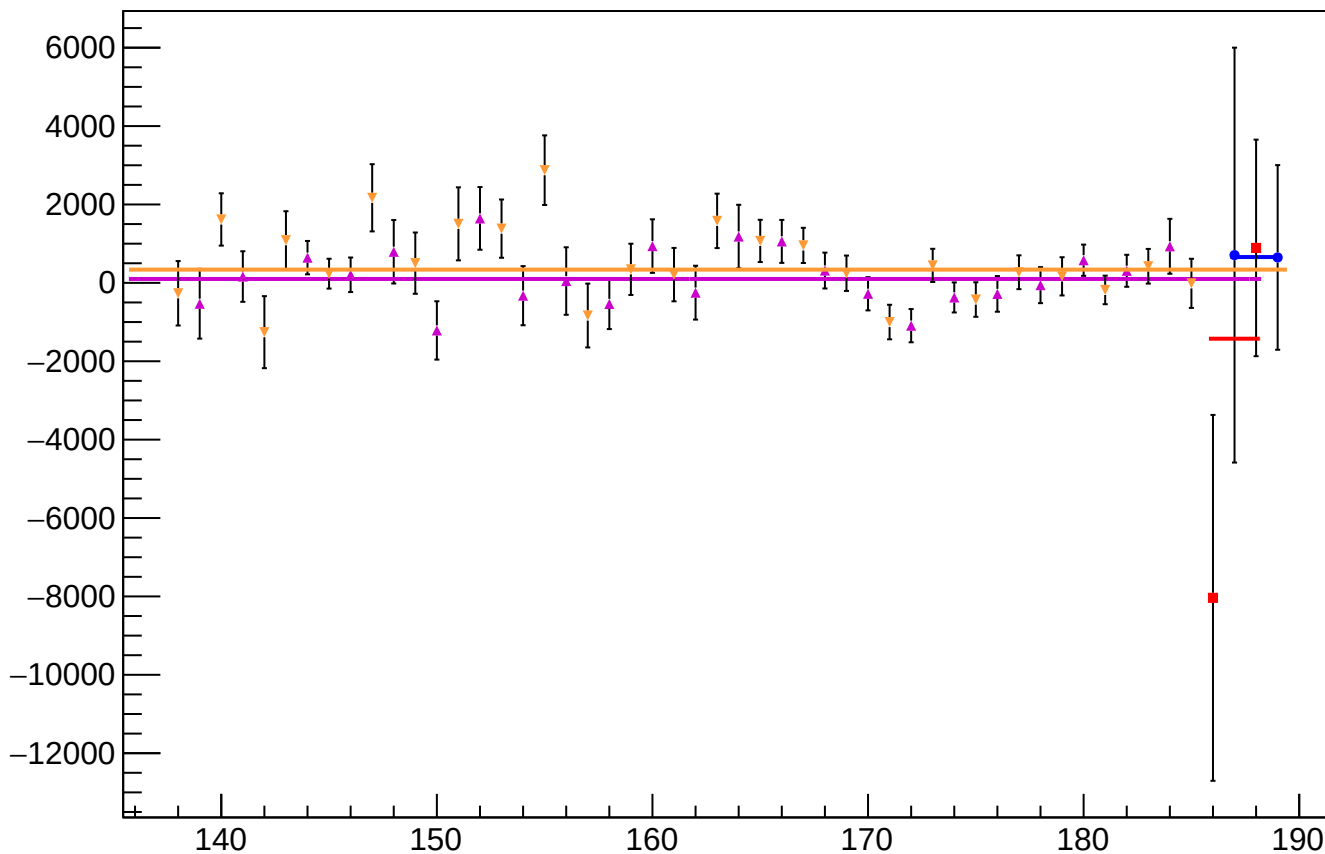
Right: 1875.974+/-1.109 χ^2 /NDF: 99379.3/3

In: 429.349+/-0.075 χ^2 /NDF: 3429051.0/24

Out: 430.291+/-0.074 χ^2 /NDF: 4332363.9/26

All: 429.827+/-0.053 χ^2 /NDF: 7761495.1/51

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 658.374+/-2151.739 χ^2/NDF : 0.0/1

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

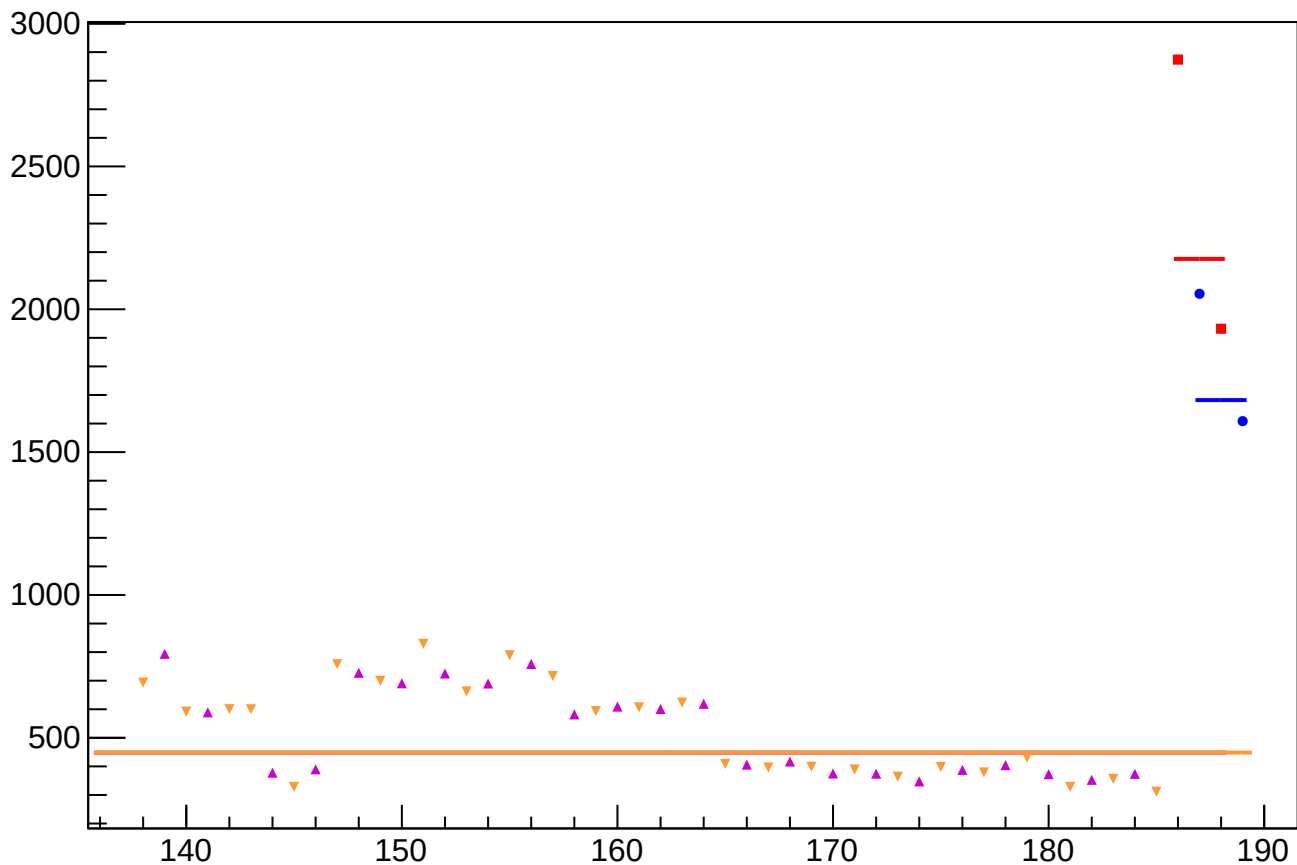
Right: -279.757+/-1595.313 χ^2/NDF : 3.1/3

In: 100.971+/-111.326 χ^2/NDF : 32.1/24

Out: 334.193+/-109.714 χ^2/NDF : 51.8/26

All: 219.283+/-78.143 χ^2/NDF : 86.2/51

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1682.123+/-1.522 χ^2/NDF : 11838.2/1

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

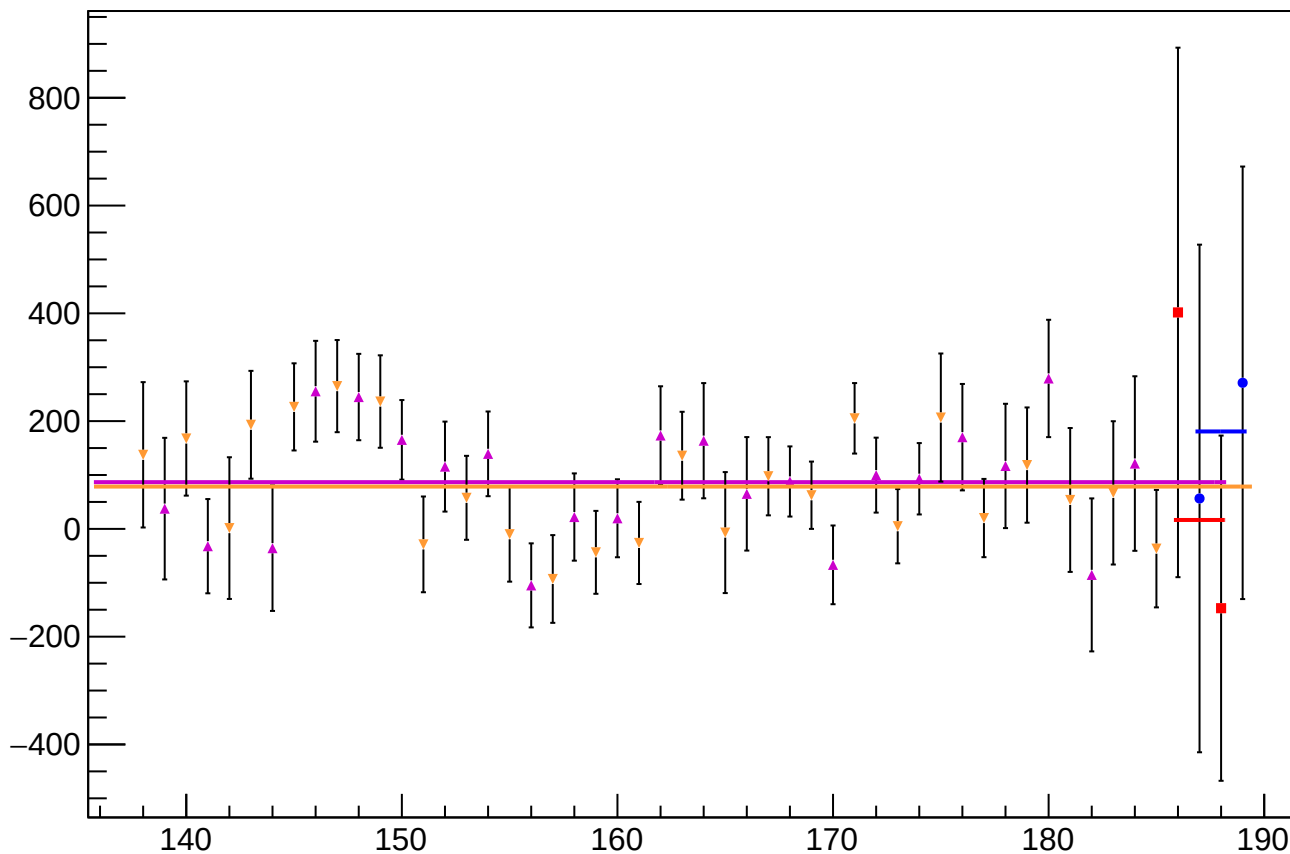
Right: 1904.618+/-1.128 χ^2/NDF : 119658.0/3

In: 451.541+/-0.079 χ^2/NDF : 3231190.4/24

Out: 452.077+/-0.078 χ^2/NDF : 4191715.1/26

All: 451.813+/-0.055 χ^2/NDF : 7422929.0/51

dit_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 180.806 $\pm$ 305.475 χ^2 /NDF: 0.1/1

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

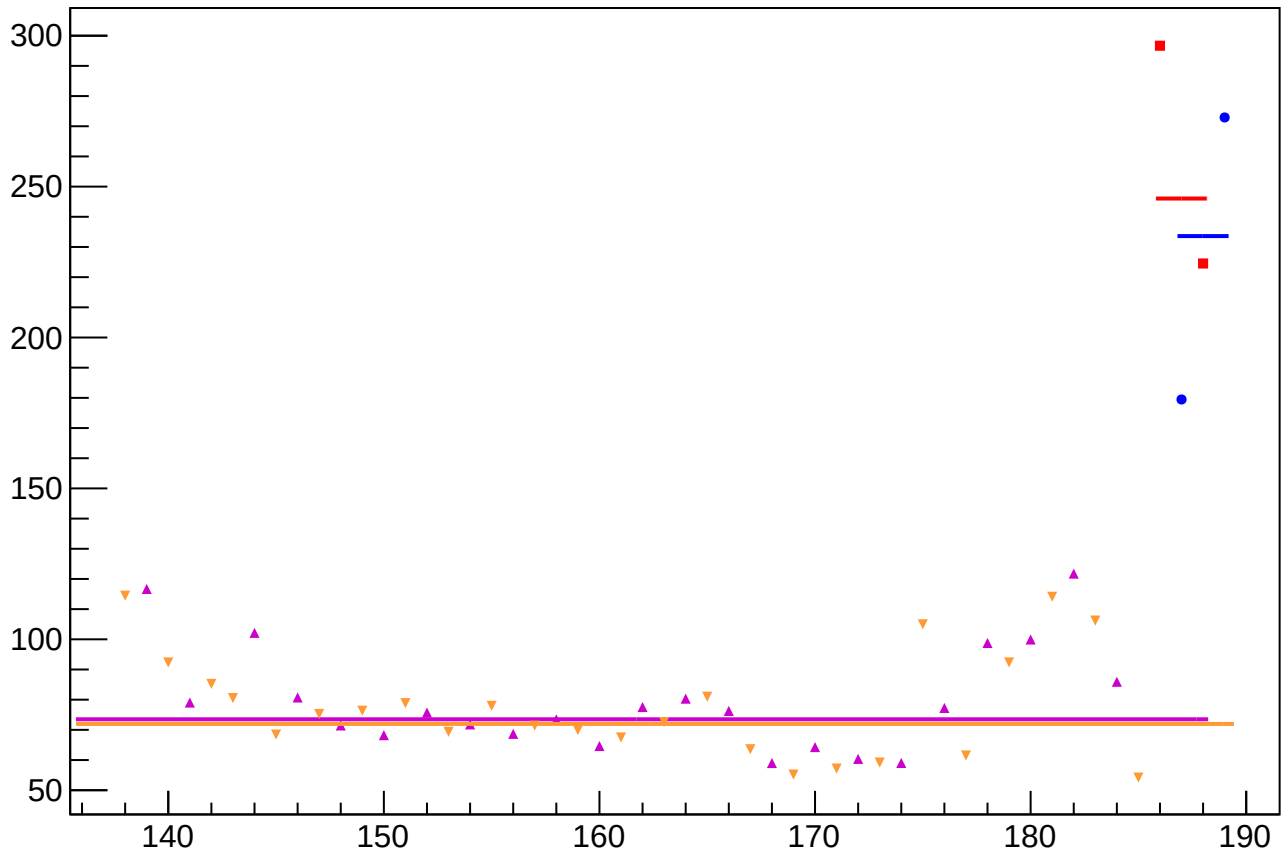
Right: 88.086 $\pm$ 201.596 χ^2 /NDF: 1.2/3

In: 87.052 $\pm$ 18.121 χ^2 /NDF:31.0/24

Out: 78.262 $\pm$ 17.358 χ^2 /NDF:35.5/26

All: 82.468 $\pm$ 12.535 χ^2 /NDF: 66.7/51

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 233.606 $\pm$ 0.216 χ^2 /NDF: 45604.9/1

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

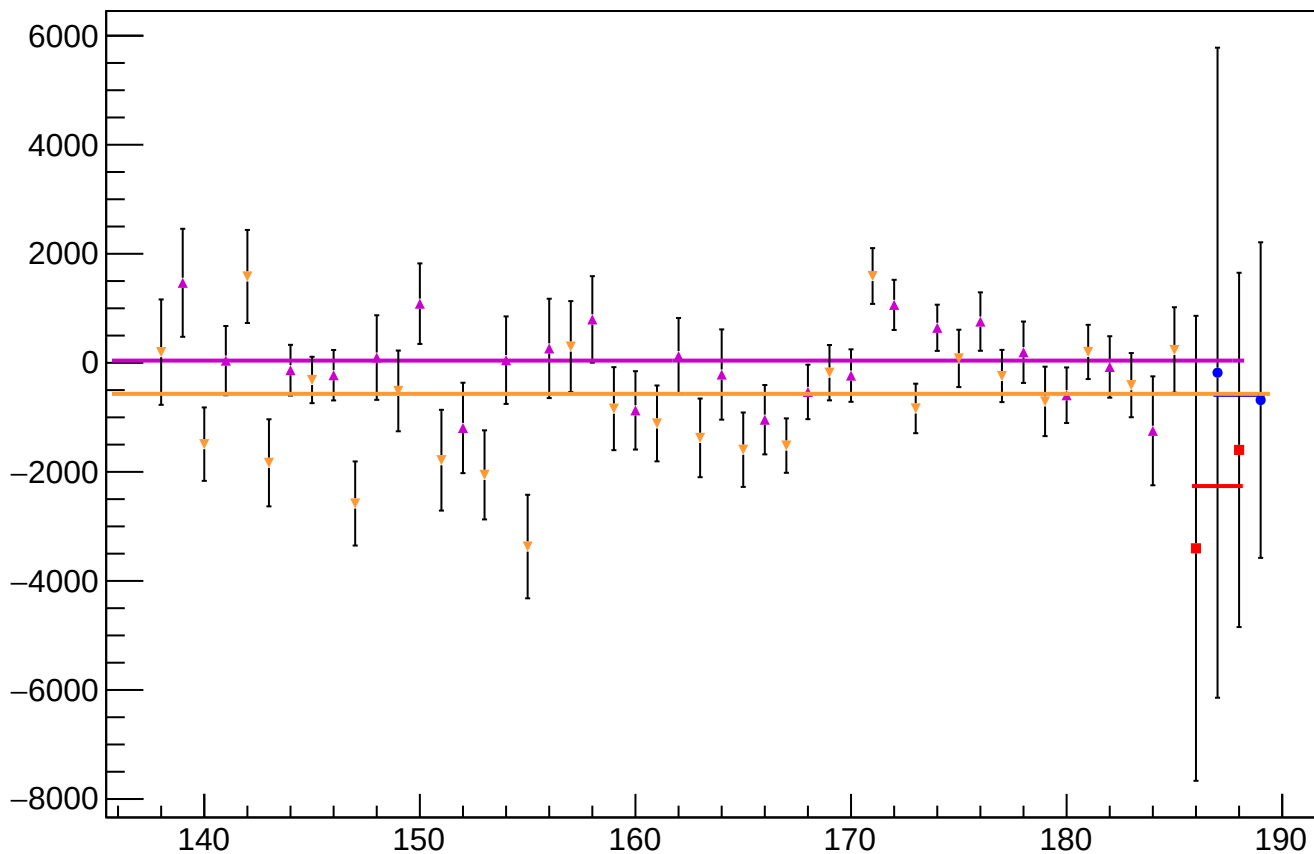
Right: 240.630 $\pm$ 0.143 χ^2 /NDF: 77750.7/3

In: 74.066 $\pm$ 0.013 χ^2 /NDF:1772730.3/24

Out: 72.692 $\pm$ 0.012 χ^2 /NDF:2228655.7/26

All: 73.350 $\pm$ 0.009 χ^2 /NDF: 4007381.9/51

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -587.139+/-2603.363 χ^2/NDF : 0.0/1

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

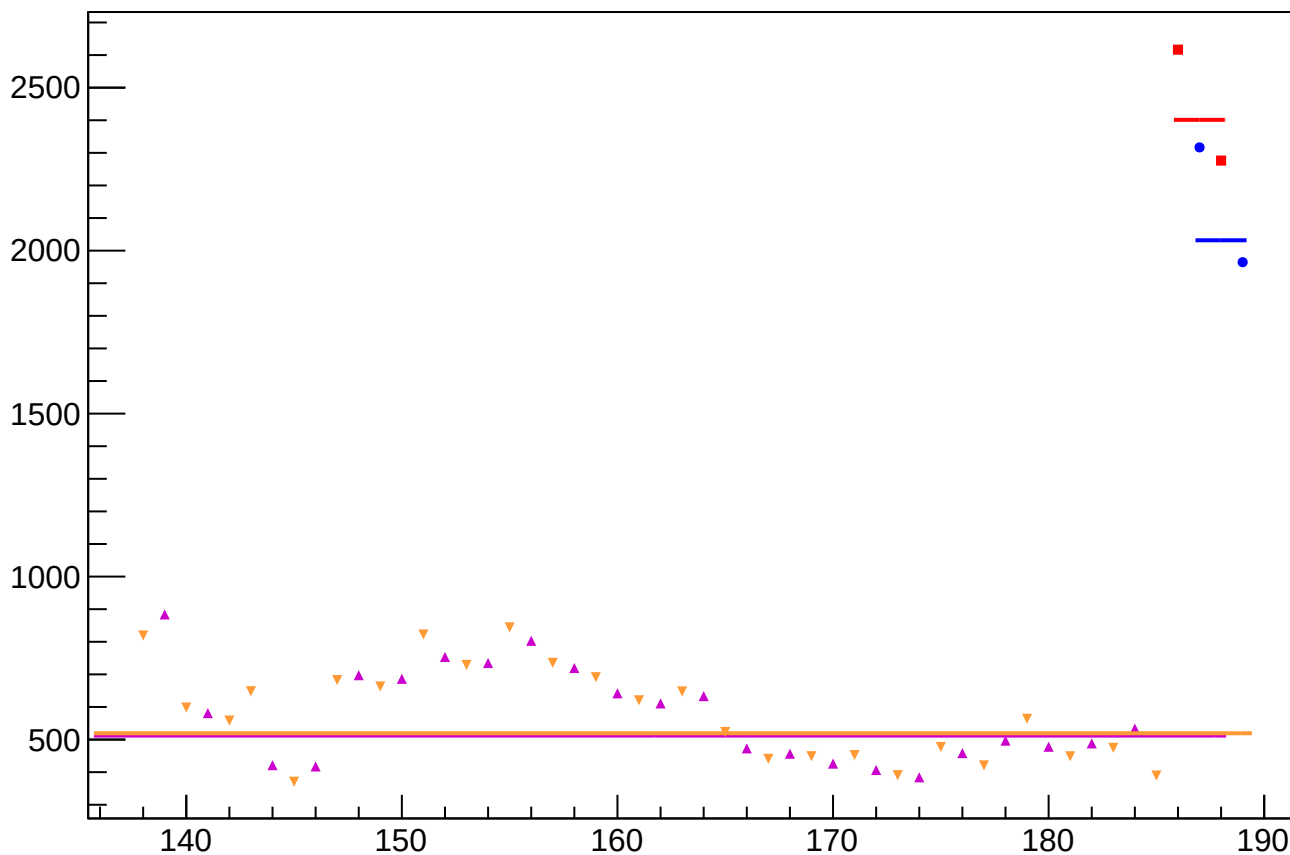
Right: -1429.721+/-1834.079 χ^2/NDF : 0.3/3

In: 39.750+/-125.573 χ^2/NDF : 26.2/24

Out: -572.778+/-124.958 χ^2/NDF : 66.1/26

All: -268.017+/-88.575 χ^2/NDF : 104.2/51

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 2031.774+/-1.841 χ^2/NDF : 5647.8/1

Left Out: 519.337+/-0.088 χ^2/NDF : 2104194.2/24

Right Out: 2401.336+/-1.827 χ^2/NDF : 8058.7/1

Left In: 512.163+/-0.089 χ^2/NDF : 1921516.3/22

Left: 515.768+/-0.063 χ^2/NDF : 4028982.0/47

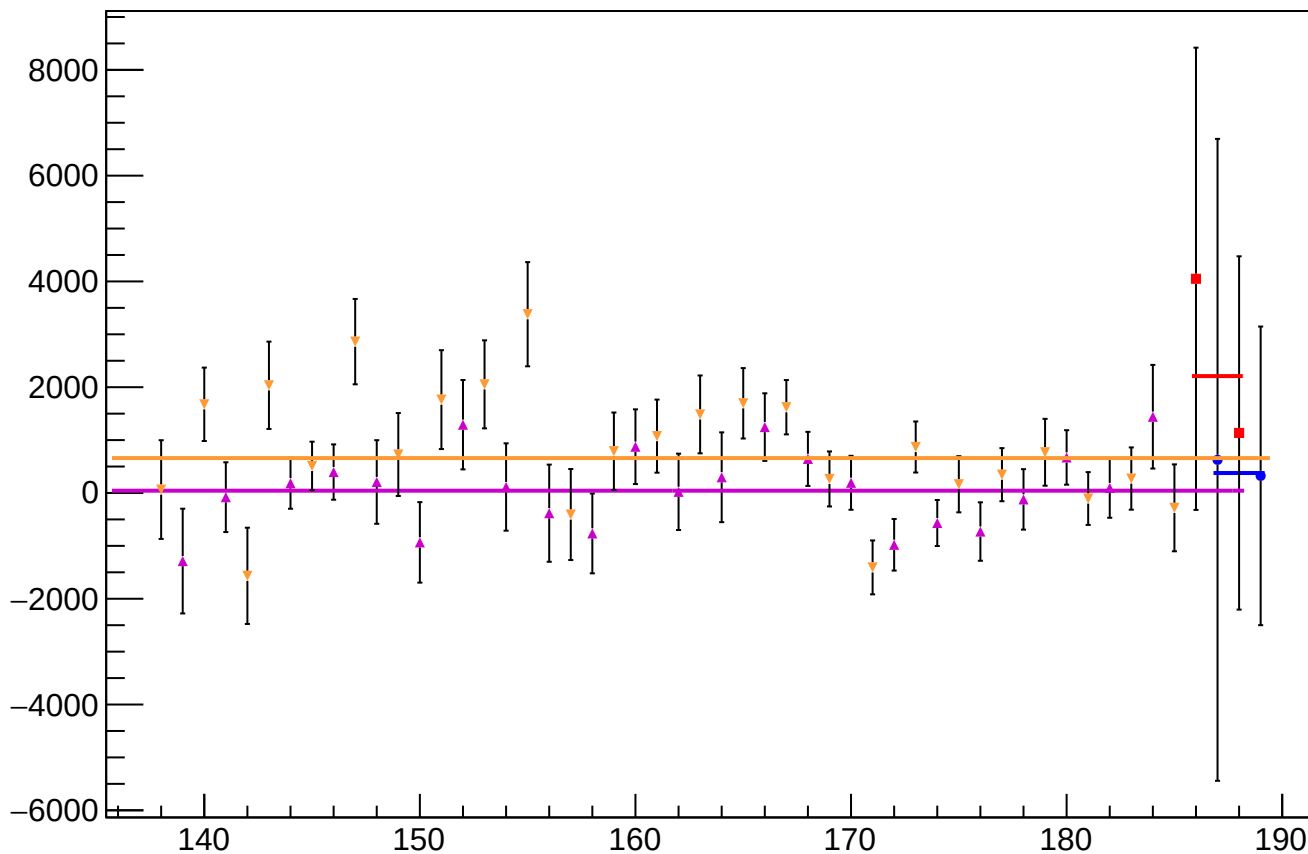
Right: 2217.913+/-1.297 χ^2/NDF : 34006.1/3

In: 515.699+/-0.089 χ^2/NDF : 2607014.4/24

Out: 523.737+/-0.088 χ^2/NDF : 3170450.1/26

All: 519.738+/-0.063 χ^2/NDF : 5781581.8/51

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 377.408 $\pm$ 2559.931 χ^2 /NDF: 0.0/1

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

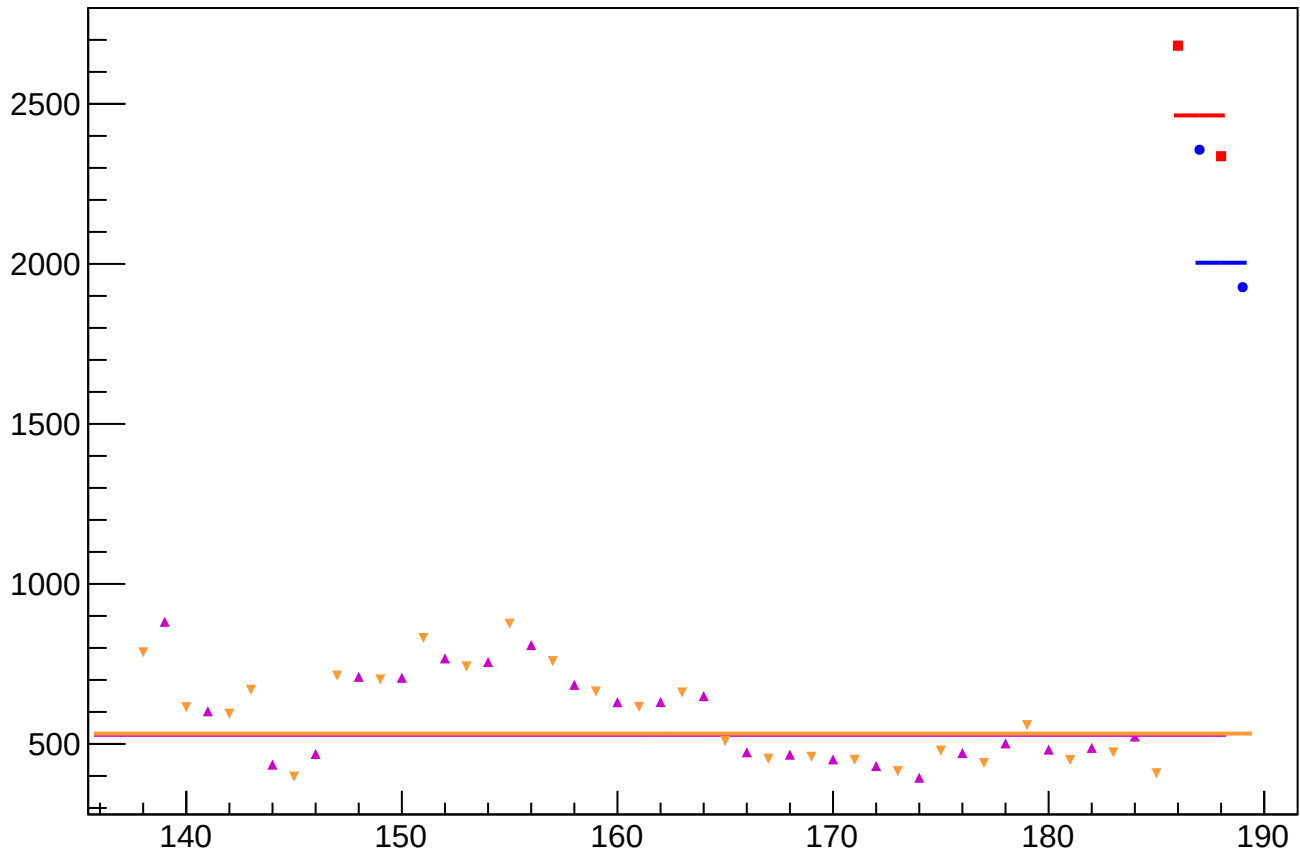
Right: 1260.656 $\pm$ 1842.448 χ^2 /NDF: 0.5/3

In: 44.036 $\pm$ 129.372 χ^2 /NDF:26.1/24

Out: 663.131 $\pm$ 128.015 χ^2 /NDF:63.0/26

All: 356.848 $\pm$ 90.996 χ^2 /NDF: 100.7/51

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 2003.685+/-1.810 χ^2/NDF : 8233.9/1

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

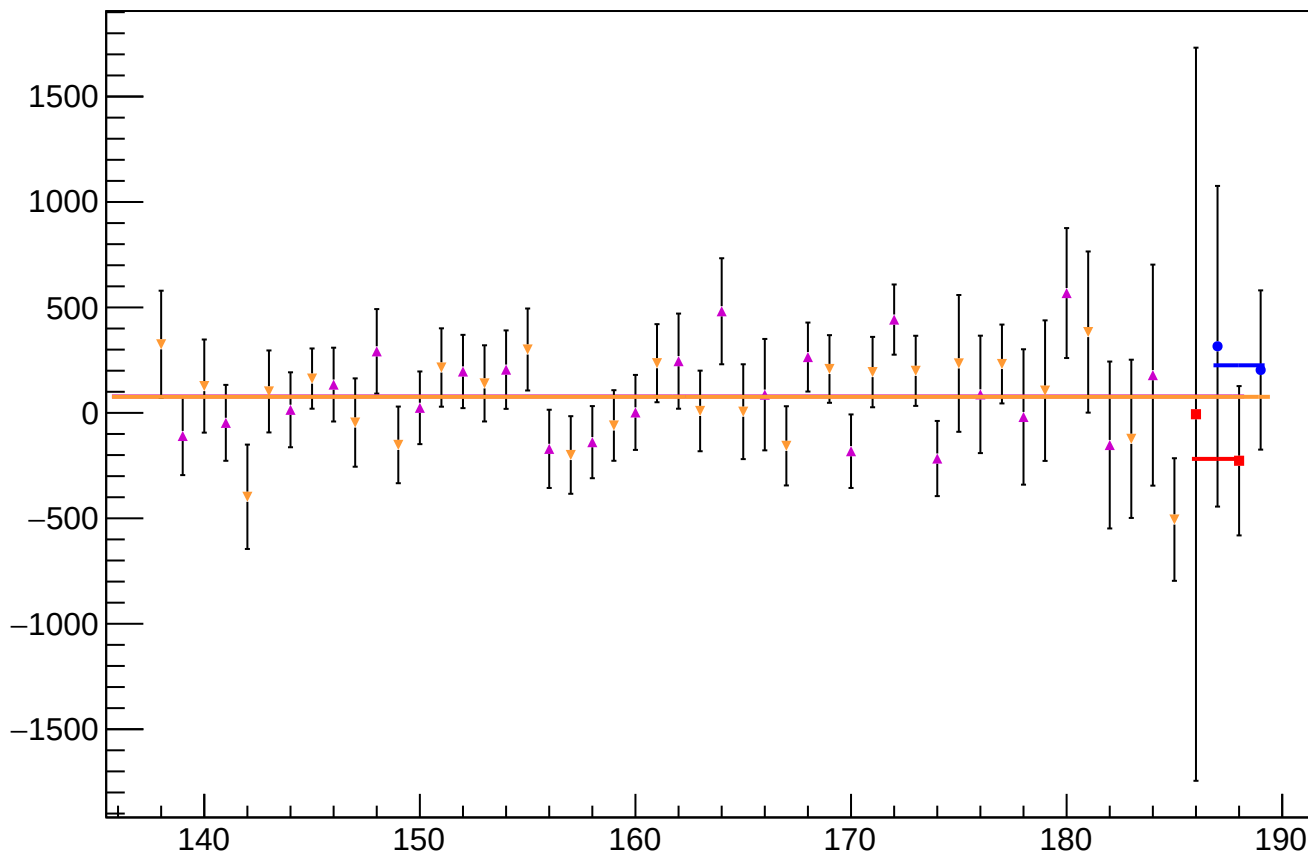
Right: 2225.505+/-1.303 χ^2/NDF : 47277.4/3

In: 532.232+/-0.091 χ^2/NDF :2382769.6/24

Out: 536.887+/-0.091 χ^2/NDF :3007923.4/26

All: 534.584+/-0.064 χ^2/NDF : 5392001.2/51

dit_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 225.600 $\pm$ 338.162 χ^2 /NDF: 0.0/1

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

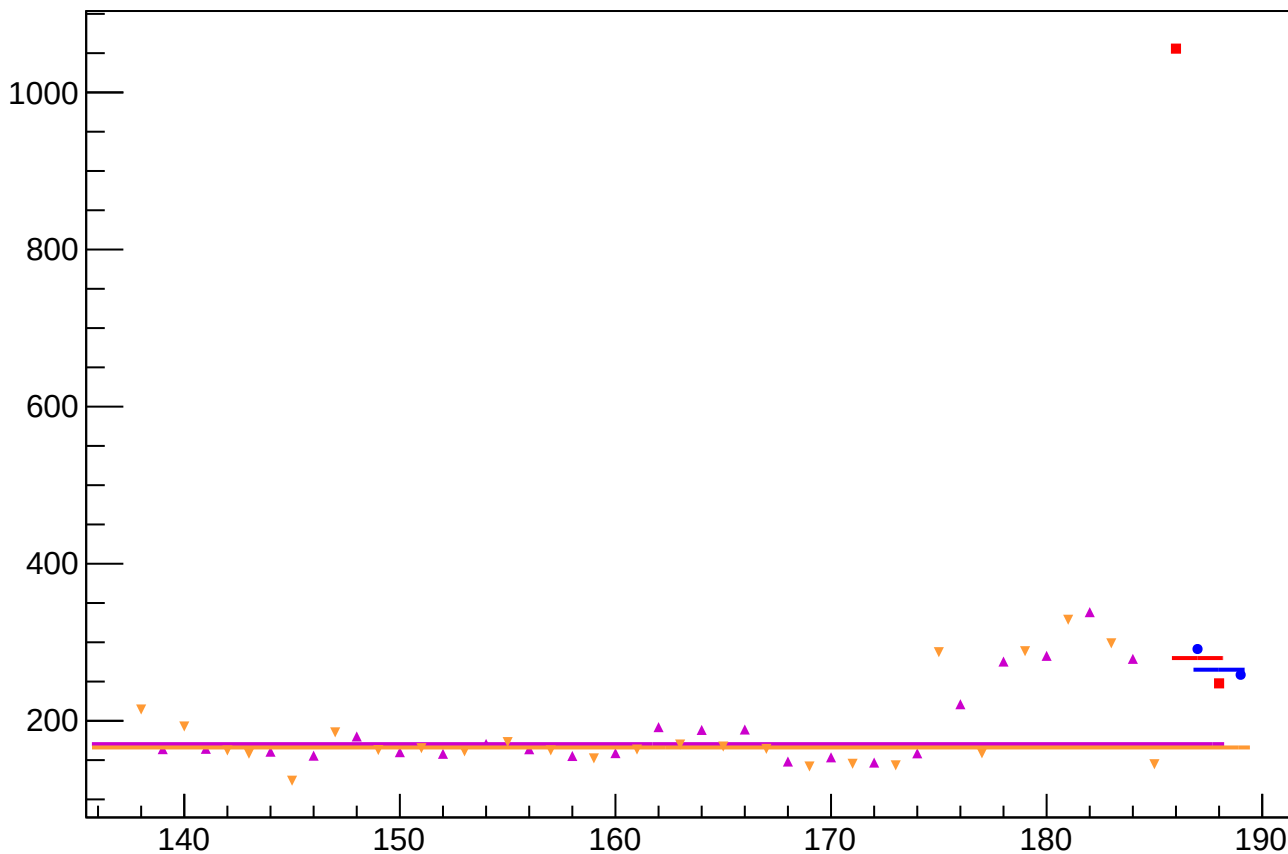
Right: 9.391 $\pm$ 242.162 χ^2 /NDF: 0.9/3

In: 80.135 $\pm$ 41.546 χ^2 /NDF:24.9/24

Out: 72.214 $\pm$ 39.871 χ^2 /NDF:22.7/26

All: 76.011 $\pm$ 28.767 χ^2 /NDF: 47.6/51

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 265.099 $\pm$ 0.239 χ^2/NDF : 2990.2/1

Left Out: 166.106 $\pm$ 0.028 χ^2/NDF : 1608449.8/24

Right Out: 279.908 $\pm$ 0.245 χ^2/NDF : 415001.5/1

Left In: 170.340 $\pm$ 0.030 χ^2/NDF : 1208577.3/22

Left: 168.134 $\pm$ 0.020 χ^2/NDF : 2827687.0/47

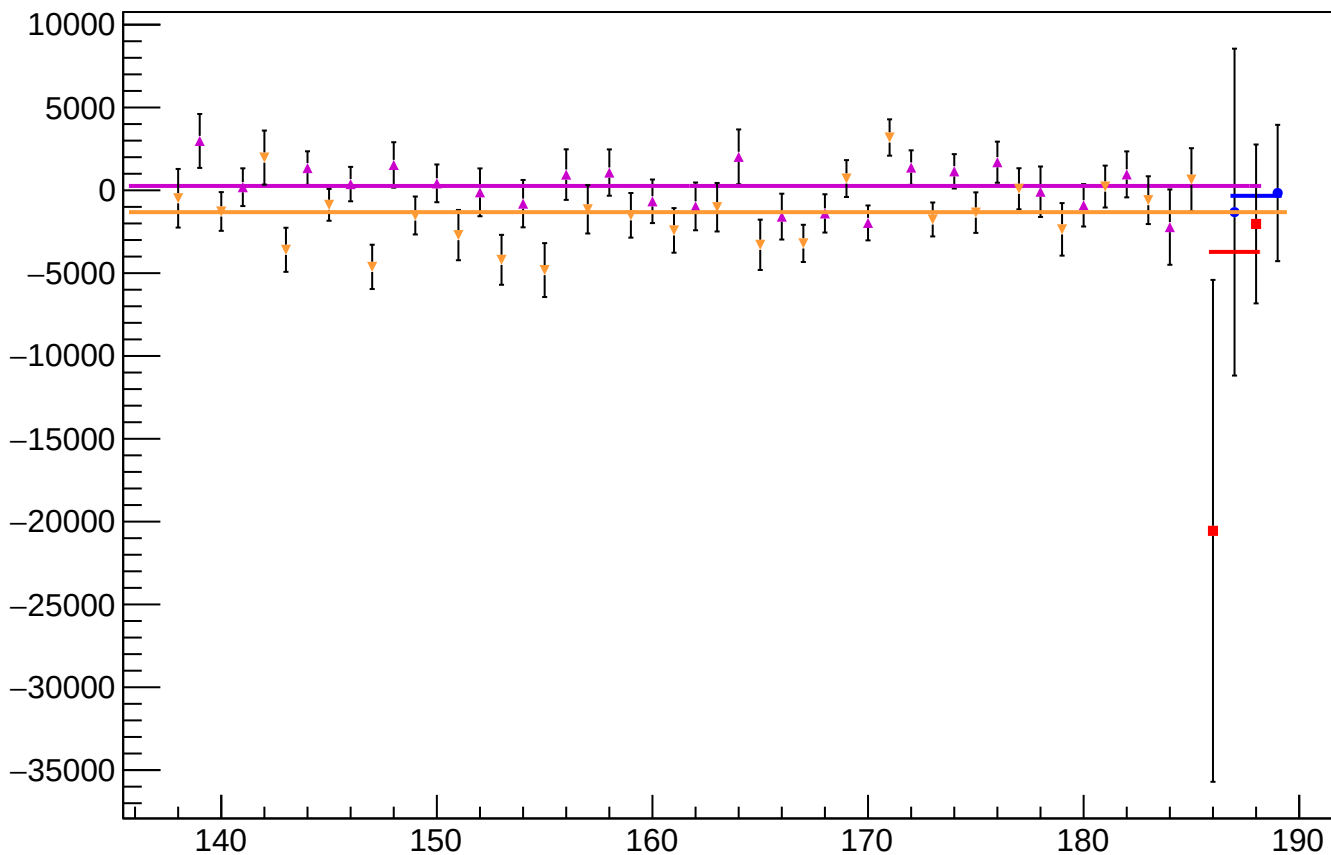
Right: 272.314 $\pm$ 0.171 χ^2/NDF : 419860.4/3

In: 171.770 $\pm$ 0.029 χ^2/NDF : 1366240.6/24

Out: 167.609 $\pm$ 0.028 χ^2/NDF : 2235794.6/26

All: 169.604 $\pm$ 0.020 χ^2/NDF : 3612480.8/51

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -332.378 $\pm$ 3797.638 χ^2 /NDF: 0.0/1

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

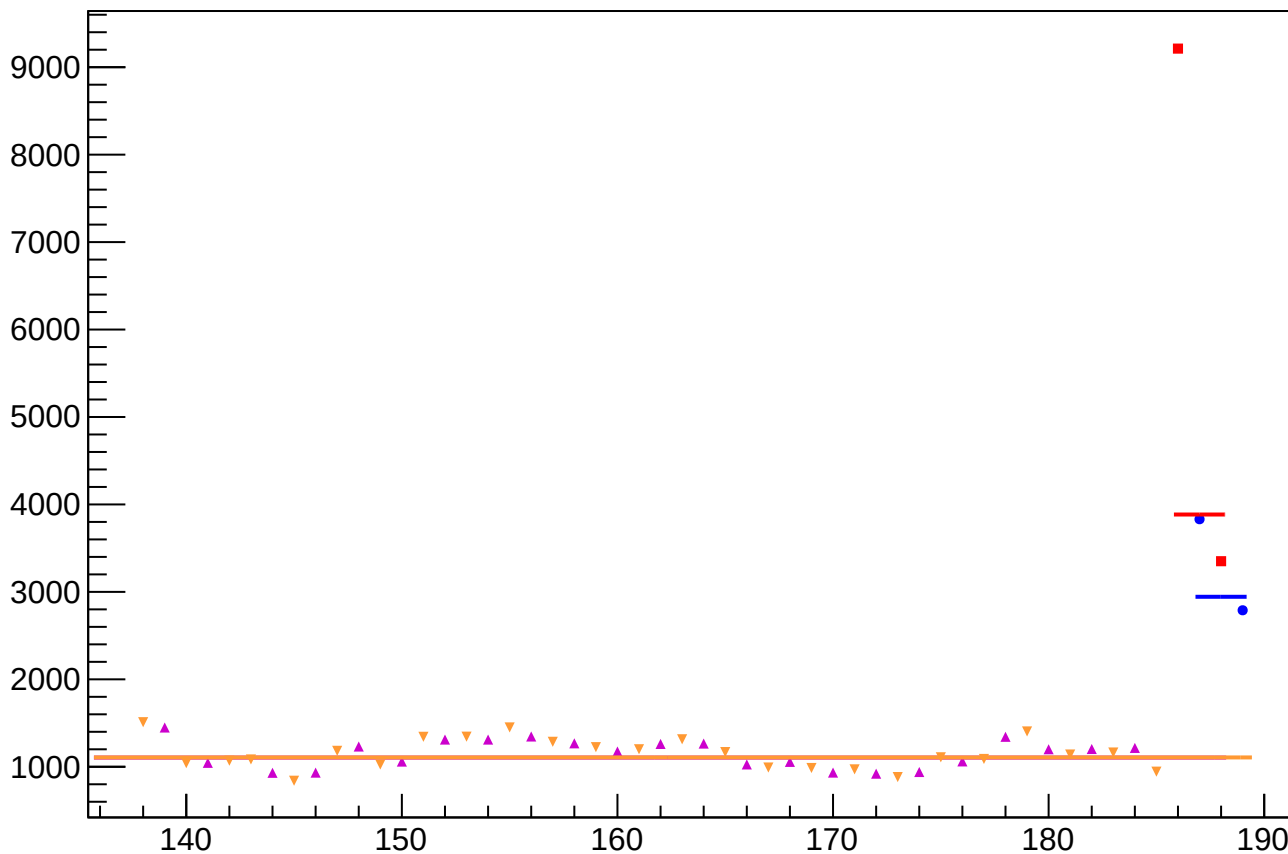
Right: -1714.153 $\pm$ 2921.364 χ^2 /NDF: 1.7/3

In: 261.557 $\pm$ 265.533 χ^2 /NDF:22.2/24

Out: -1325.300 $\pm$ 261.243 χ^2 /NDF:54.5/26

All: -544.791 $\pm$ 186.225 χ^2 /NDF: 94.8/51

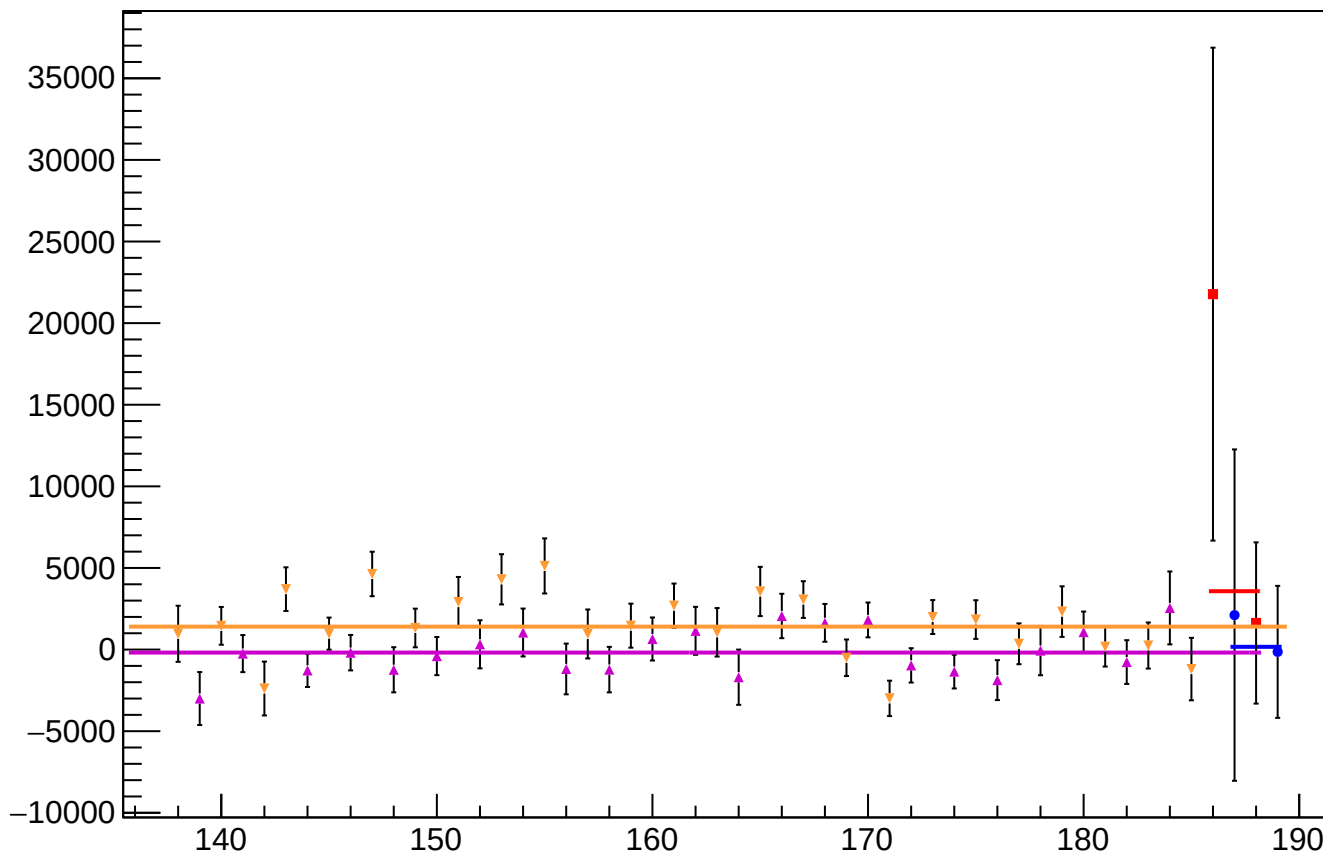
asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 2943.987+/-2.685 χ^2/NDF : 18969.7/1
 Left Out: 1106.854+/-0.185 χ^2/NDF : 828472.5/24
 Right Out: 3884.757+/-3.233 χ^2/NDF : 272159.6/1
 Left In: 1104.996+/-0.188 χ^2/NDF : 689175.9/22

Left: 1105.941+/-0.132 χ^2/NDF : 1517698.0/47
 Right: 3328.049+/-2.066 χ^2/NDF : 341235.0/3
 In: 1113.987+/-0.188 χ^2/NDF : 1174840.8/24
 Out: 1115.923+/-0.185 χ^2/NDF : 1836484.3/26
 All: 1114.971+/-0.132 χ^2/NDF : 3011379.1/51

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 168.338+/-3756.585 χ^2/NDF : 0.0/1

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

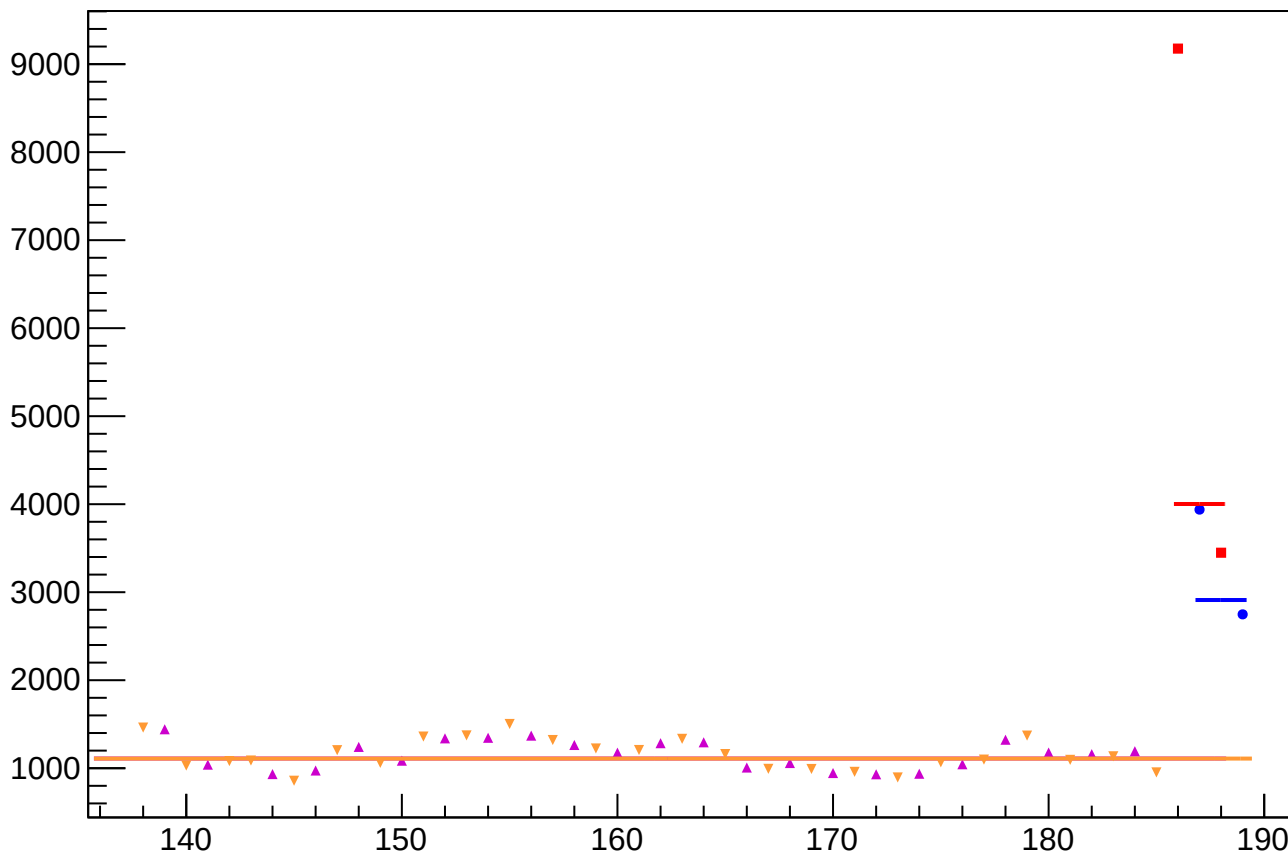
Right: 1499.055+/-2933.088 χ^2/NDF : 2.0/3

In: -181.474+/-266.944 χ^2/NDF :23.8/24

Out: 1411.535+/-262.108 χ^2/NDF :54.9/26

All: 629.591+/-187.024 χ^2/NDF : 96.8/51

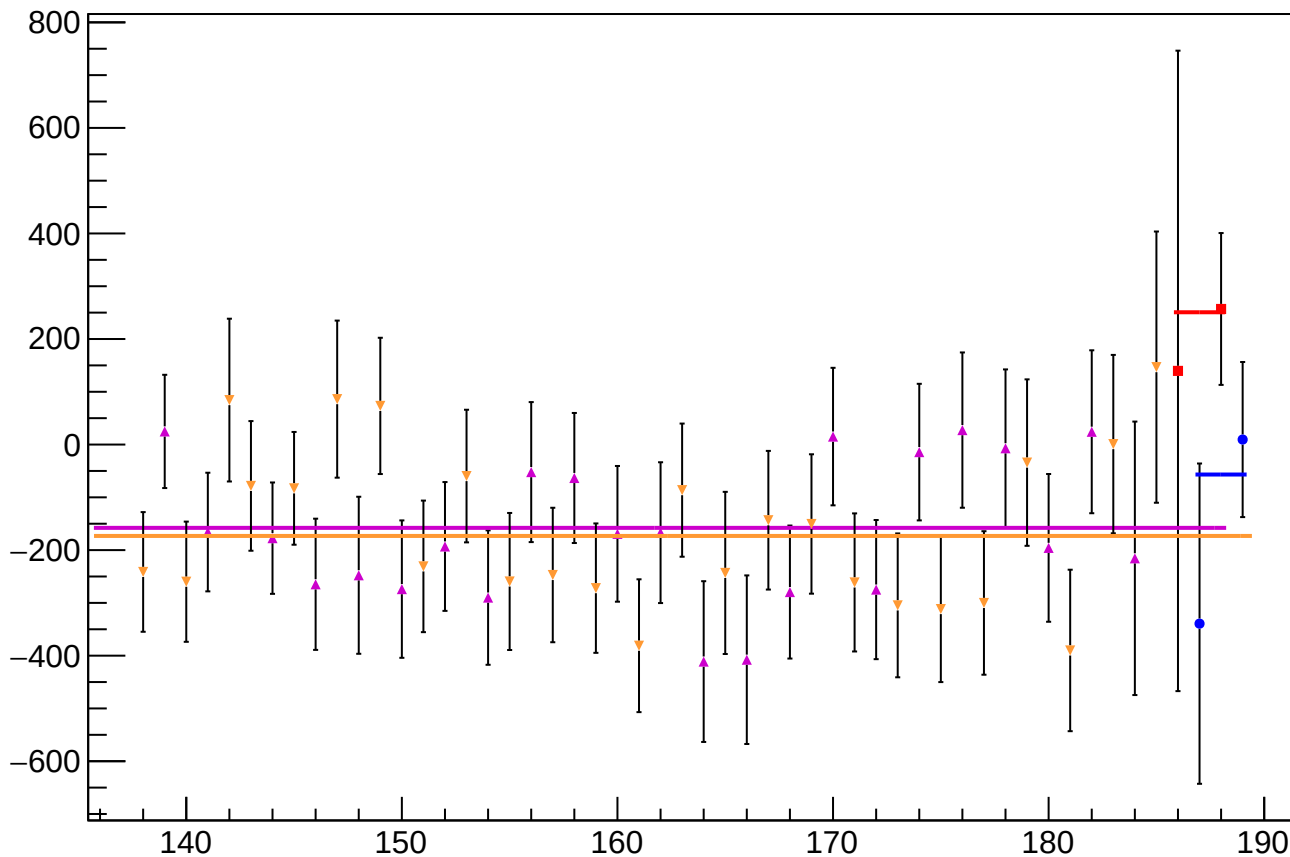
asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 2911.294+/-2.656 χ^2/NDF : 23729.3/1
 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: 3337.180+/-2.074 χ^2/NDF : 349556.3/3
 In: 1119.257+/-0.189 χ^2/NDF : 1154400.4/24
 Out: 1118.592+/-0.185 χ^2/NDF : 1829957.2/26
 All: 1118.918+/-0.132 χ^2/NDF : 2984363.9/51

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -56.777 ± 132.260 $\chi^2/\text{NDF}: 1.1/1$

Left Out: -173.150 ± 26.664 $\chi^2/\text{NDF}: 26.3/24$

Right Out: 250.674 ± 139.976 $\chi^2/\text{NDF}: 0.0/1$

Left In: -157.835 ± 27.594 $\chi^2/\text{NDF}: 21.3/22$

Left: -165.755 ± 19.175 $\chi^2/\text{NDF}: 47.8/47$

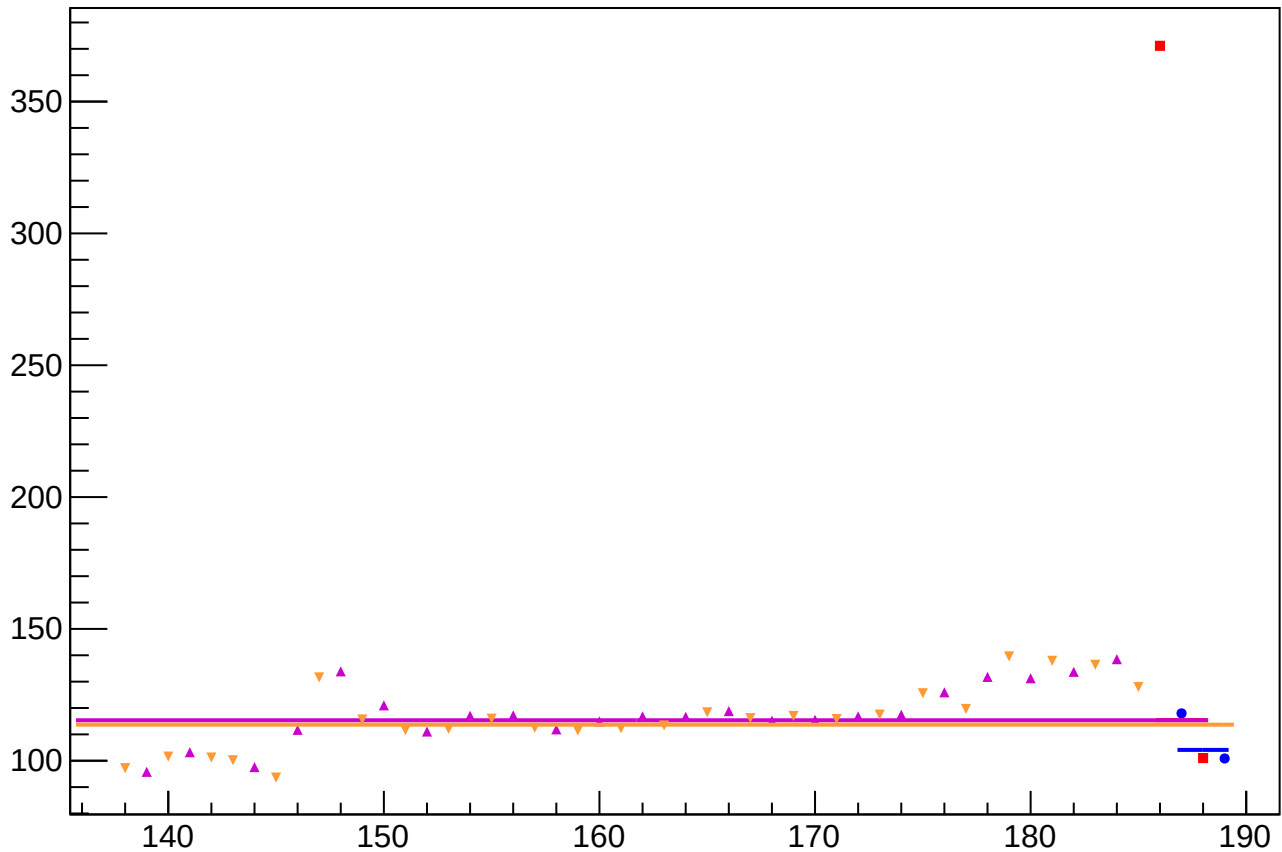
Right: 88.241 ± 96.134 $\chi^2/\text{NDF}: 3.7/3$

In: -153.619 ± 27.013 $\chi^2/\text{NDF}: 22.9/24$

Out: -158.309 ± 26.193 $\chi^2/\text{NDF}: 35.2/26$

All: -156.036 ± 18.805 $\chi^2/\text{NDF}: 58.1/51$

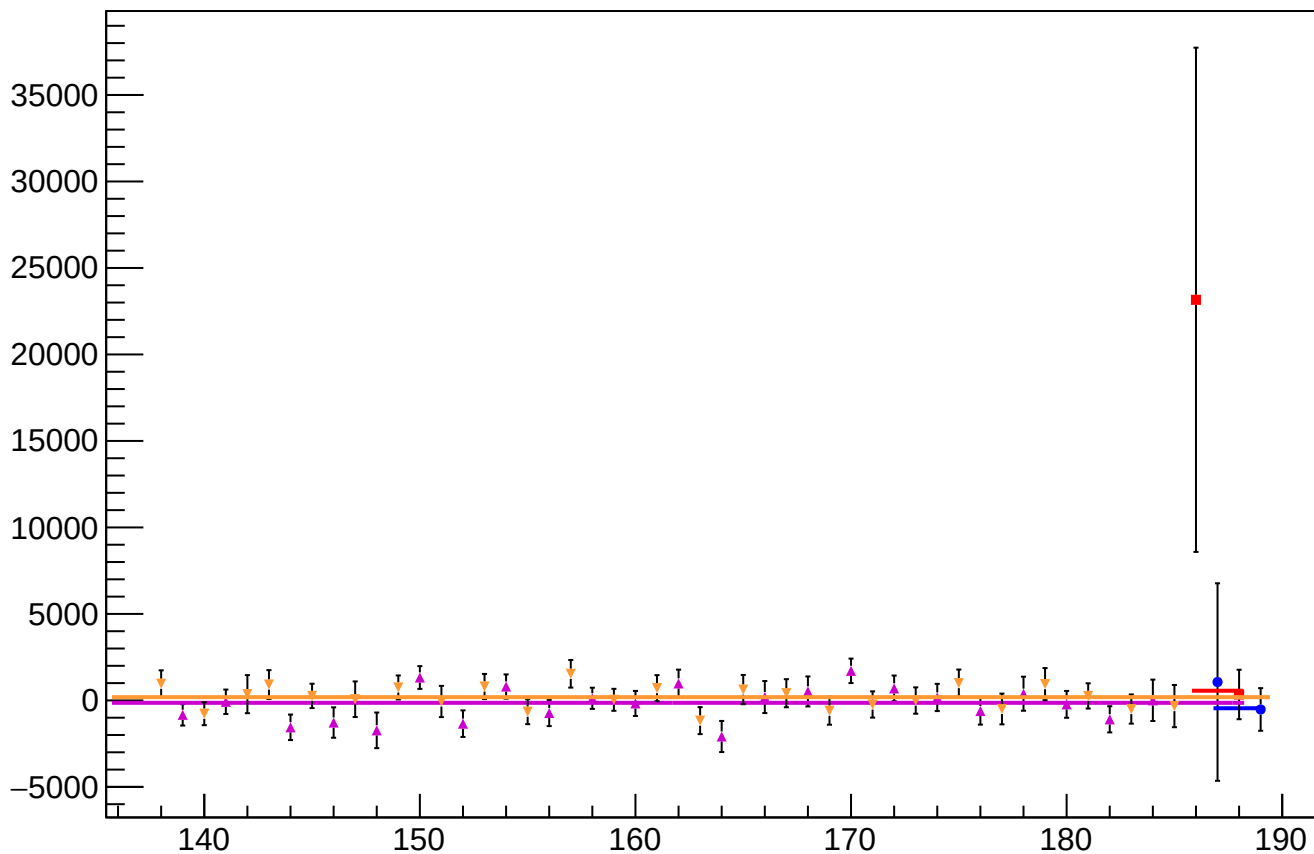
dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 104.113 $\pm$ 0.094 χ^2 /NDF: 5151.3/1
 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: 109.435 $\pm$ 0.068 χ^2 /NDF: 387332.4/3
 In: 114.884 $\pm$ 0.019 χ^2 /NDF: 313686.0/24
 Out: 113.742 $\pm$ 0.019 χ^2 /NDF: 751292.5/26
 All: 114.295 $\pm$ 0.013 χ^2 /NDF: 1066820.4/51

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -452.828 ± 1204.973 $\chi^2/\text{NDF}: 0.1/1$

Left Out: 188.393 ± 158.788 $\chi^2/\text{NDF}: 18.0/24$

Right Out: 560.036 ± 1422.849 $\chi^2/\text{NDF}: 2.4/1$

Left In: -139.664 ± 161.085 $\chi^2/\text{NDF}: 36.9/22$

Left: 26.721 ± 113.084 $\chi^2/\text{NDF}: 57.0/47$

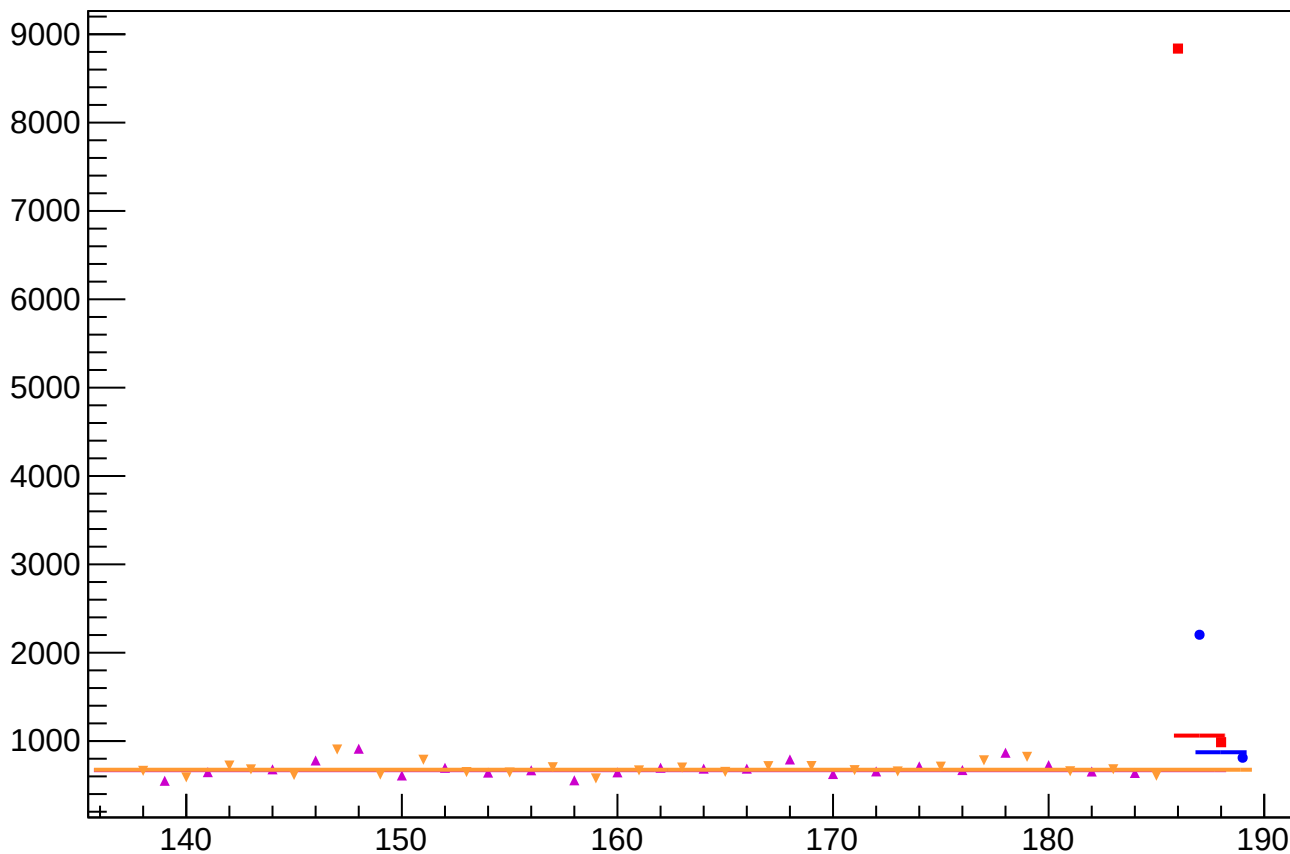
Right: -29.801 ± 919.534 $\chi^2/\text{NDF}: 2.8/3$

In: -145.162 ± 159.665 $\chi^2/\text{NDF}: 37.0/24$

Out: 192.964 ± 157.808 $\chi^2/\text{NDF}: 20.5/26$

All: 25.878 ± 112.238 $\chi^2/\text{NDF}: 59.8/51$

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 873.236+/-0.852 χ^2/NDF : 113586.4/1

Left Out: 675.310+/-0.112 χ^2/NDF : 357103.6/24

Right Out: 1061.795+/-1.006 χ^2/NDF : 574699.8/1

Left In: 670.186+/-0.114 χ^2/NDF : 465026.7/22

Left: 672.785+/-0.080 χ^2/NDF : 823156.4/47

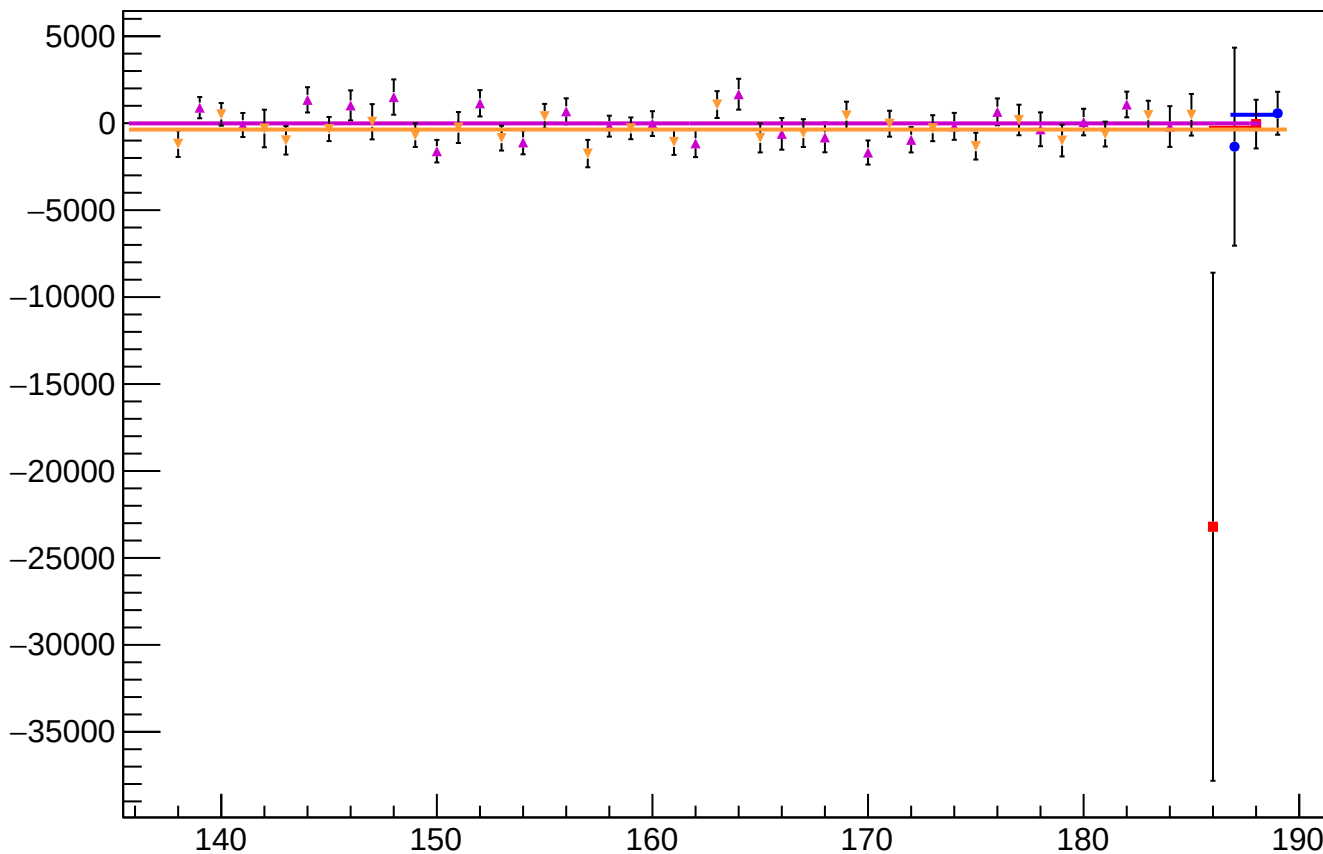
Right: 951.989+/-0.650 χ^2/NDF : 708740.6/3

In: 673.751+/-0.113 χ^2/NDF : 634407.2/24

Out: 680.064+/-0.112 χ^2/NDF : 1077551.3/26

All: 676.945+/-0.079 χ^2/NDF : 1713540.0/51

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 483.710 ± 1207.161 $\chi^2/\text{NDF}: 0.1/1$

Left Out: -365.394 ± 156.301 $\chi^2/\text{NDF}: 18.7/24$

Right Out: -262.915 ± 1392.453 $\chi^2/\text{NDF}: 2.5/1$

Left In: -11.243 ± 158.497 $\chi^2/\text{NDF}: 38.8/22$

Left: -190.789 ± 111.290 $\chi^2/\text{NDF}: 60.1/47$

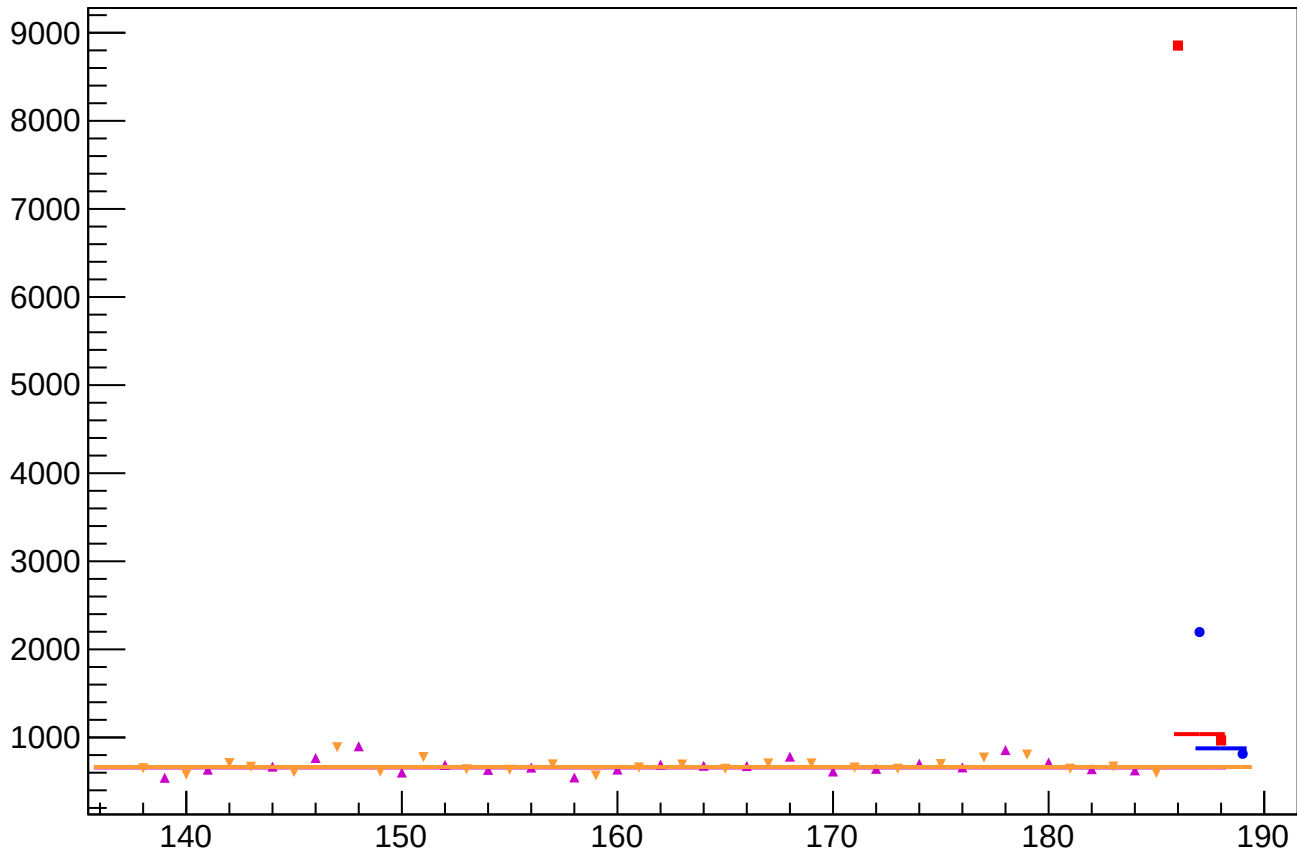
Right: 163.345 ± 912.119 $\chi^2/\text{NDF}: 2.8/3$

In: -2.855 ± 157.148 $\chi^2/\text{NDF}: 39.1/24$

Out: -364.119 ± 155.325 $\chi^2/\text{NDF}: 21.2/26$

All: -185.594 ± 110.470 $\chi^2/\text{NDF}: 63.0/51$

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 876.288+/-0.854 χ^2/NDF : 112659.5/1

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

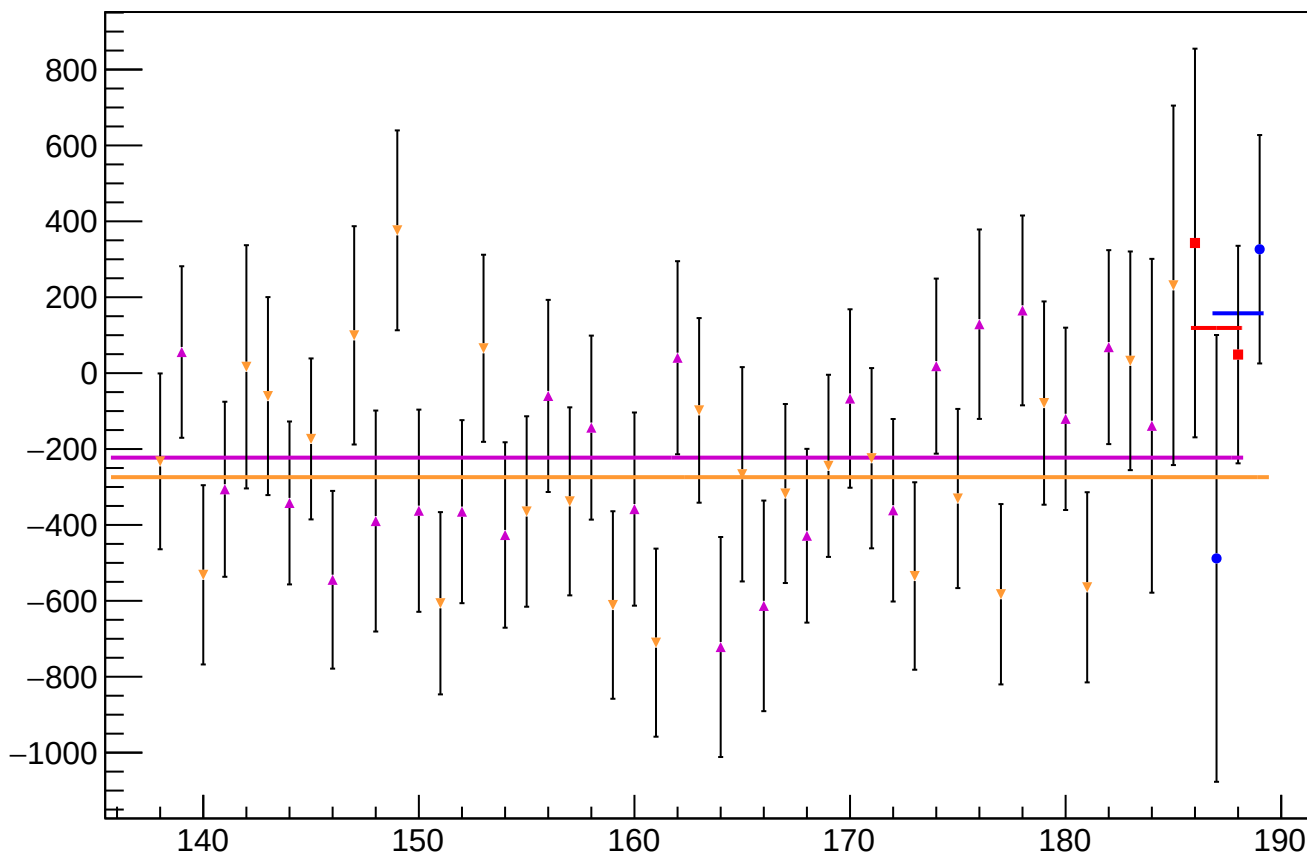
Right: 945.622+/-0.645 χ^2/NDF : 705854.0/3

In: 662.908+/-0.111 χ^2/NDF : 648970.7/24

Out: 669.263+/-0.110 χ^2/NDF : 1076703.7/26

All: 666.123+/-0.078 χ^2/NDF : 1727328.5/51

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



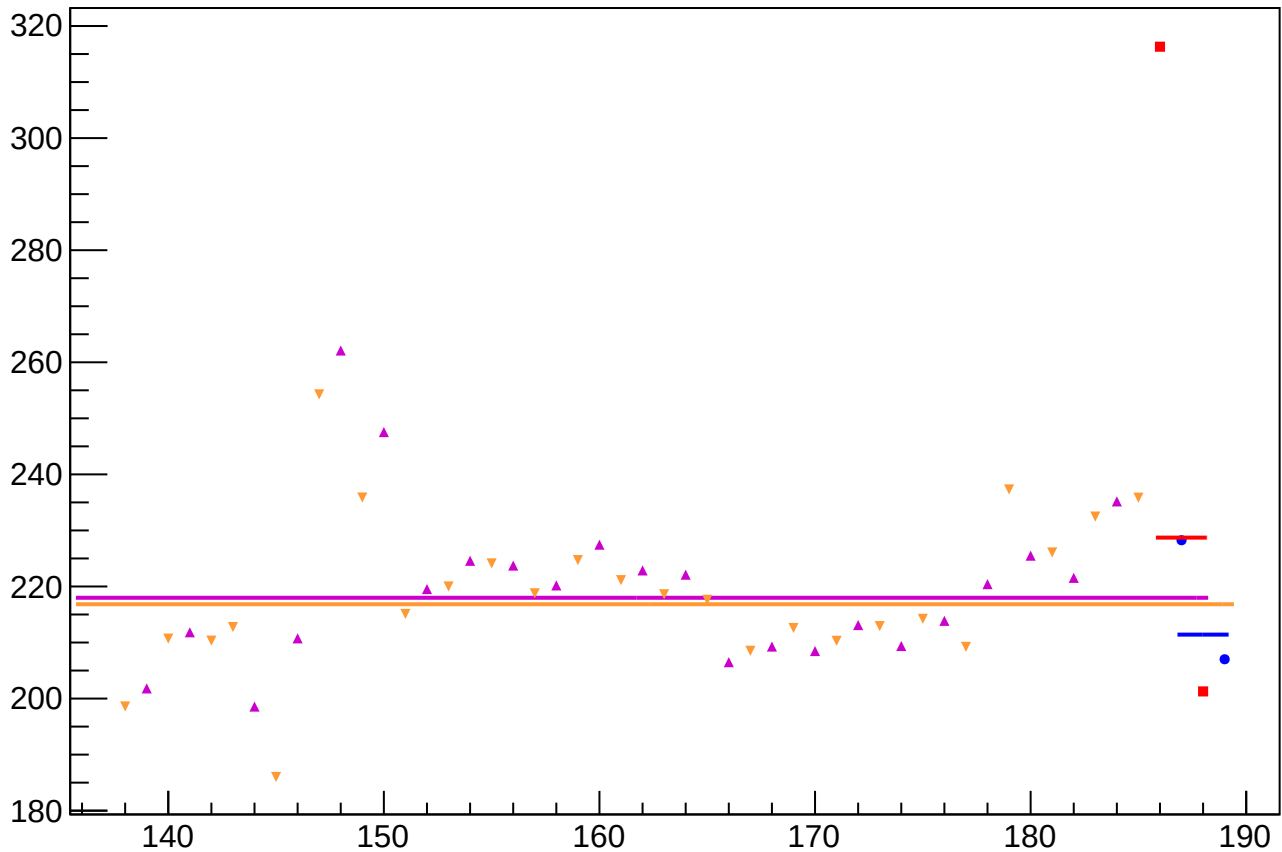
Right In: 157.659 $\pm$ 267.960 χ^2 /NDF: 1.5/1
 Left Out: -274.118 $\pm$ 50.683 χ^2 /NDF:27.3/24
 Right Out: 119.048 $\pm$ 250.099 χ^2 /NDF: 0.3/1
 Left In: -222.676 $\pm$ 52.013 χ^2 /NDF:20.9/22

Left: -249.064 $\pm$ 36.299 χ^2 /NDF: 48.7/47
 Right: 137.024 $\pm$ 182.835 χ^2 /NDF: 1.8/3

In: -208.866 $\pm$ 51.060 χ^2 /NDF:24.4/24
 Out: -258.609 $\pm$ 49.673 χ^2 /NDF:29.9/26

All: -234.422 $\pm$ 35.605 χ^2 /NDF: 54.8/51

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 211.413 $\pm$ 0.189 χ^2 /NDF: 2064.0/1

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

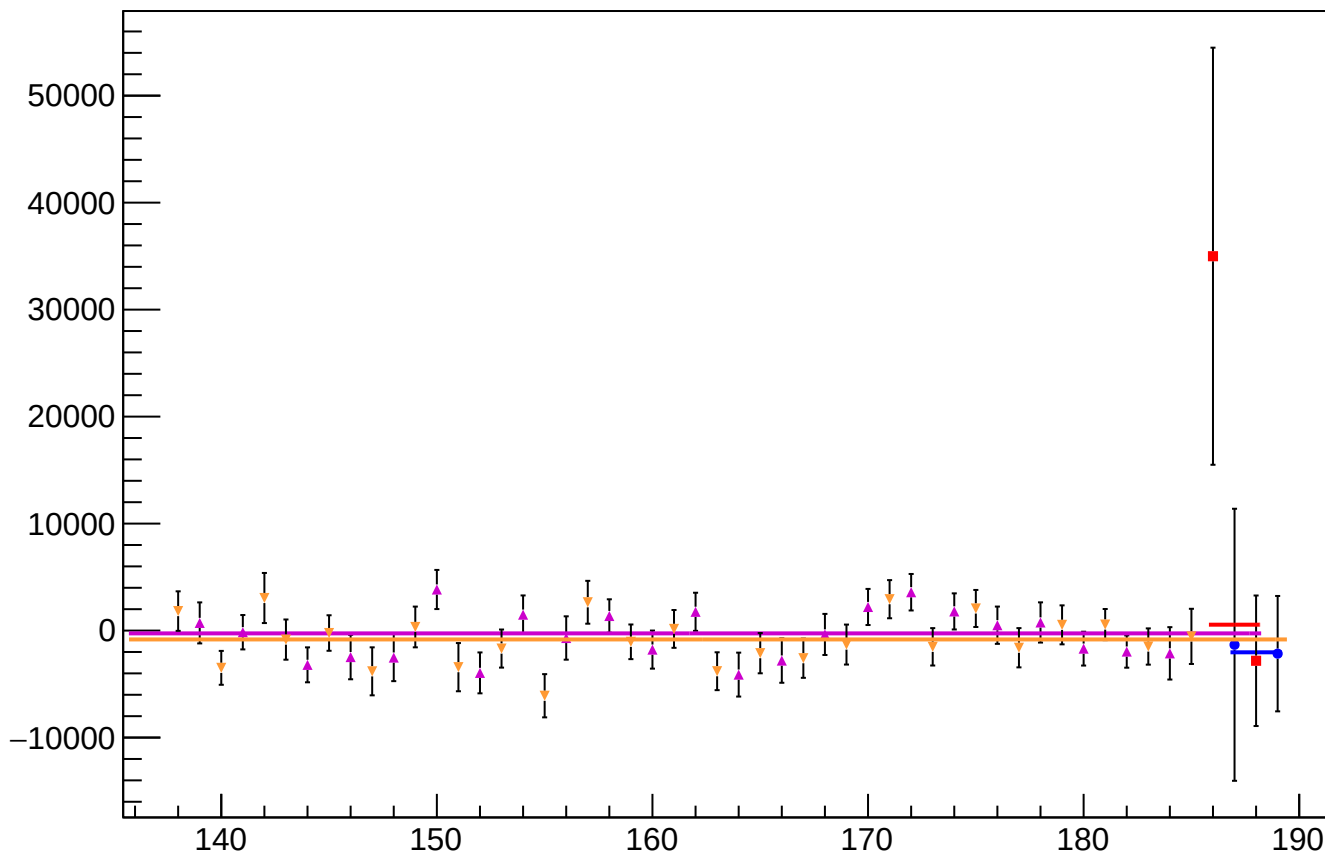
Right: 220.661 $\pm$ 0.129 χ^2 /NDF: 83372.1/3

In: 217.746 $\pm$ 0.036 χ^2 /NDF:129683.0/24

Out: 217.301 $\pm$ 0.035 χ^2 /NDF:218757.9/26

All: 217.517 $\pm$ 0.025 χ^2 /NDF: 348519.0/51

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -2030.479+/-4964.735 χ^2/NDF : 0.0/1

Left Out: -827.624+/-366.769 χ^2/NDF : 35.0/24

Right Out: 551.275+/-5821.345 χ^2/NDF : 3.4/1

Left In: -261.143+/-376.738 χ^2/NDF : 35.4/22

Left: -551.977+/-262.798 χ^2/NDF : 71.6/47

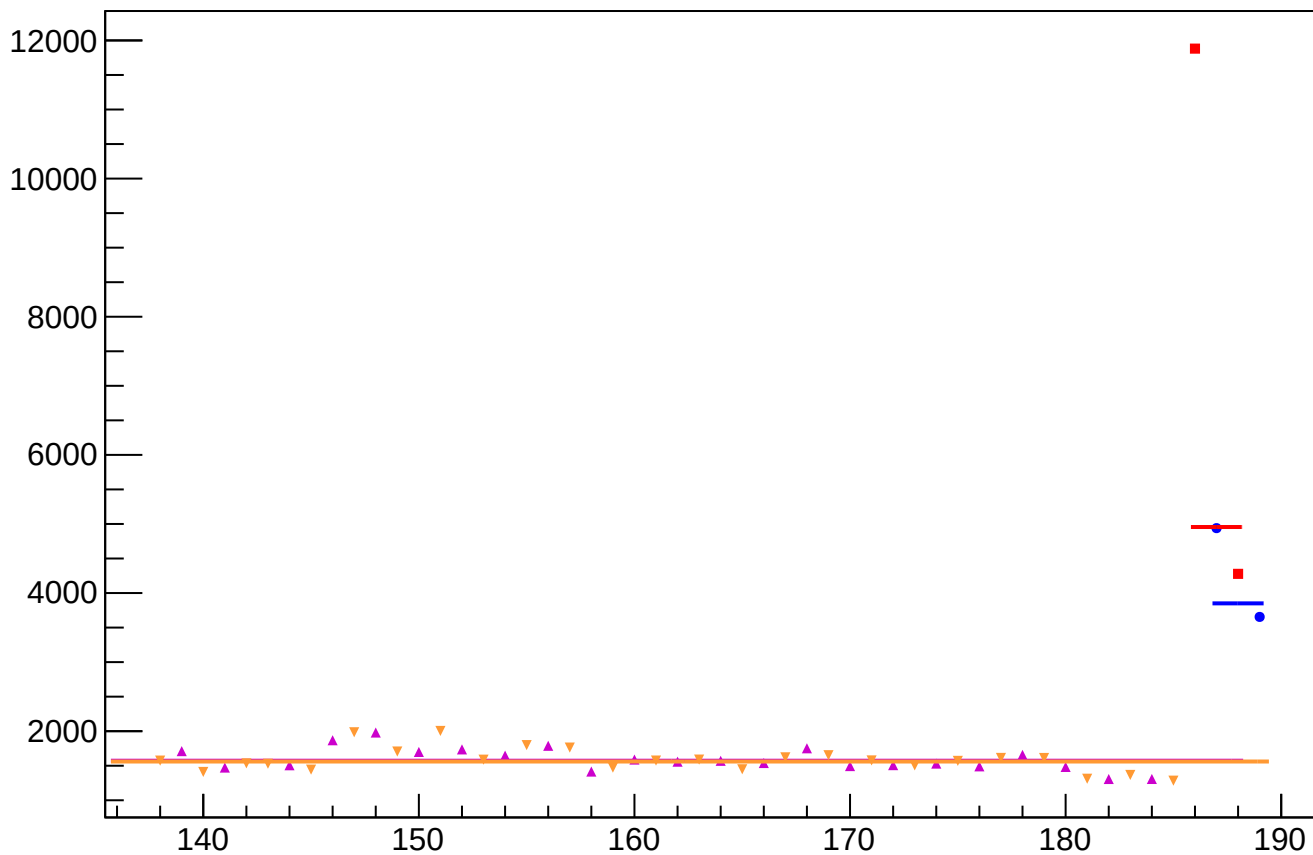
Right: -943.355+/-3777.509 χ^2/NDF : 3.5/3

In: -271.272+/-375.658 χ^2/NDF : 35.6/24

Out: -822.172+/-366.043 χ^2/NDF : 38.5/26

All: -553.862+/-262.165 χ^2/NDF : 75.2/51

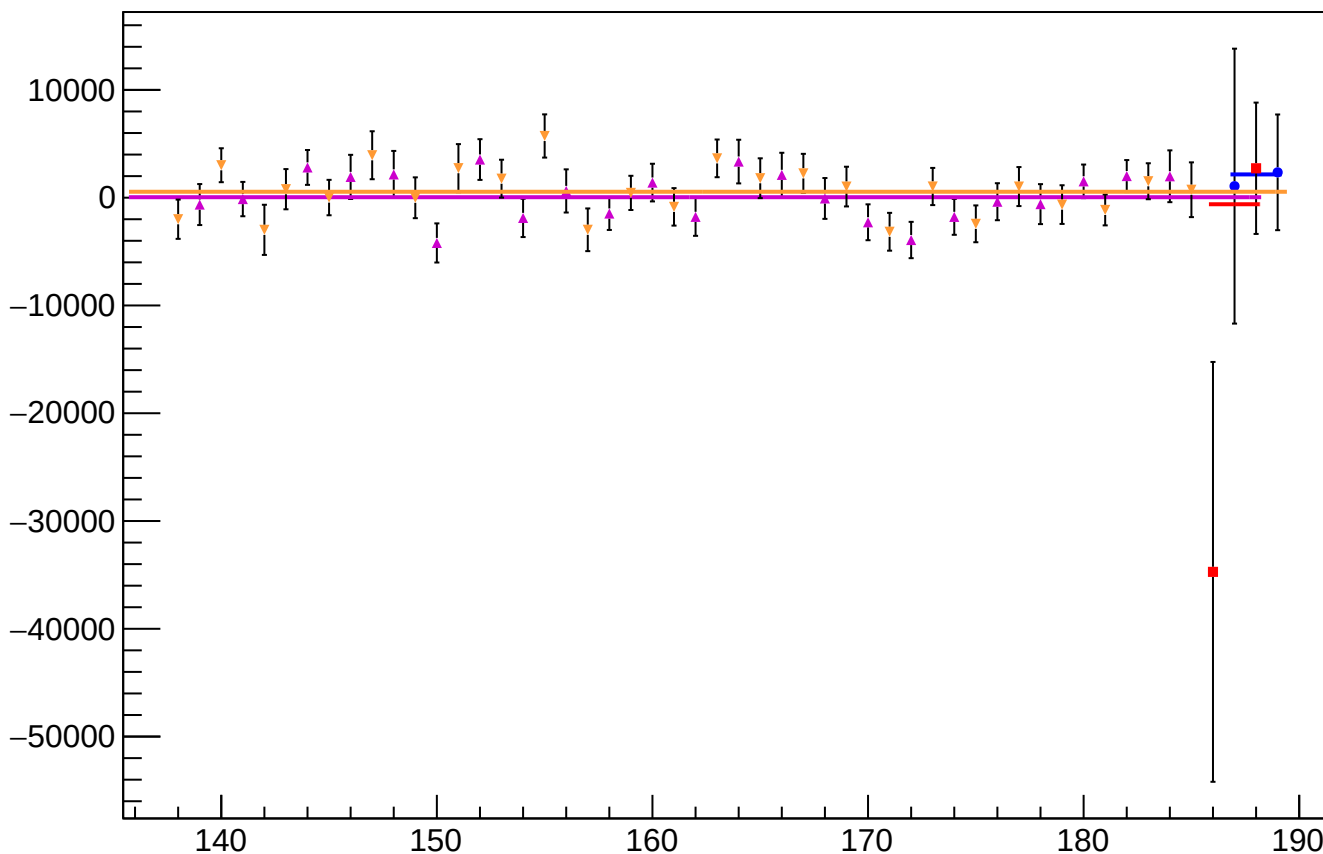
asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 3850.501+/-3.511 χ^2/NDF : 17315.2/1
 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: 4315.958+/-2.671 χ^2/NDF : 336231.4/3
 In: 1585.646+/-0.266 χ^2/NDF : 763644.9/24
 Out: 1574.514+/-0.259 χ^2/NDF : 1326437.6/26
 All: 1579.936+/-0.185 χ^2/NDF : 2090983.4/51

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2159.443 $\pm$ 4946.996 χ^2 /NDF: 0.0/1

Left Out: 550.093 $\pm$ 362.172 χ^2 /NDF:35.6/24

Right Out: -608.915 $\pm$ 5815.206 χ^2 /NDF: 3.4/1

Left In: 43.949 $\pm$ 371.765 χ^2 /NDF:33.5/22

Left: 303.636 $\pm$ 259.420 χ^2 /NDF: 70.0/47

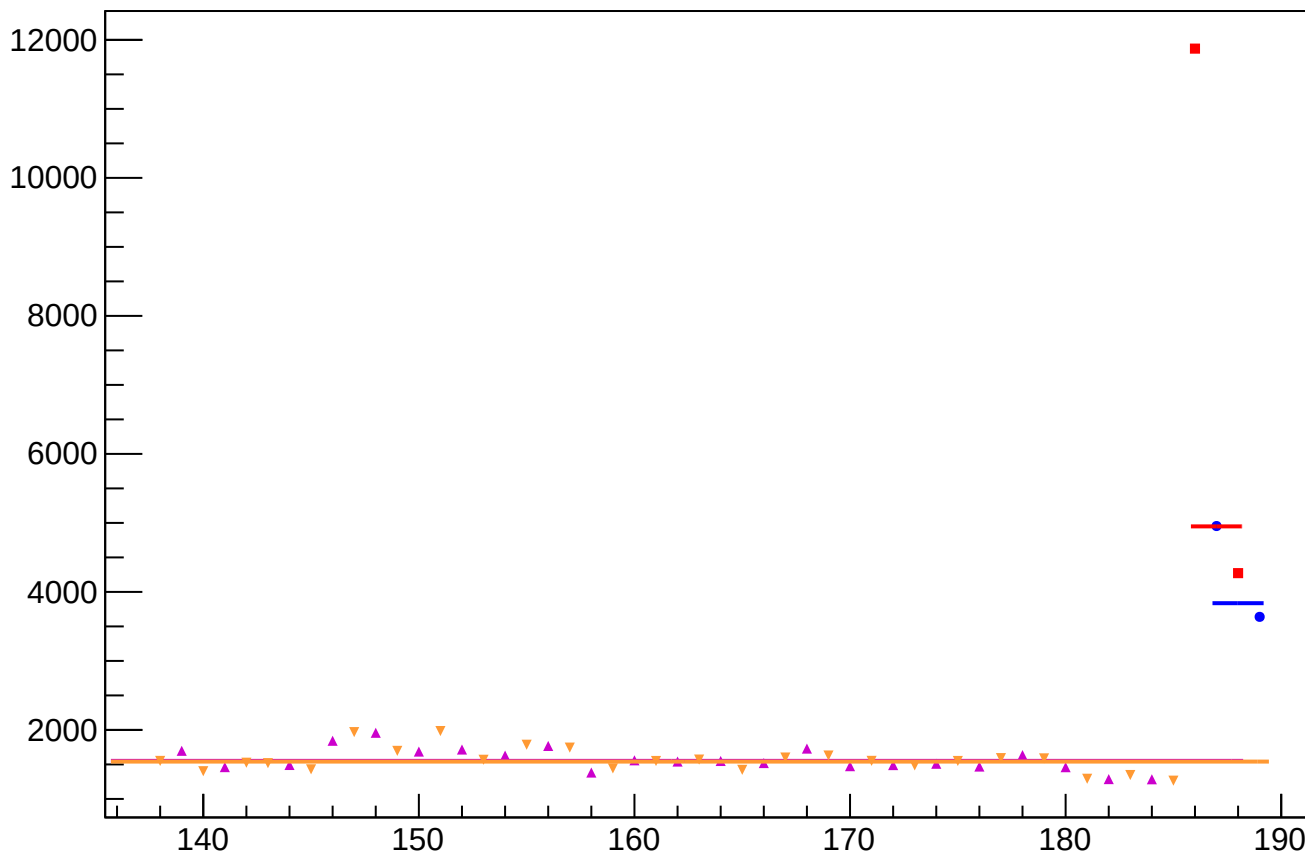
Right: 997.150 $\pm$ 3768.009 χ^2 /NDF: 3.5/3

In: 55.829 $\pm$ 370.720 χ^2 /NDF:33.7/24

Out: 545.615 $\pm$ 361.472 χ^2 /NDF:39.0/26

All: 306.908 $\pm$ 258.807 χ^2 /NDF: 73.6/51

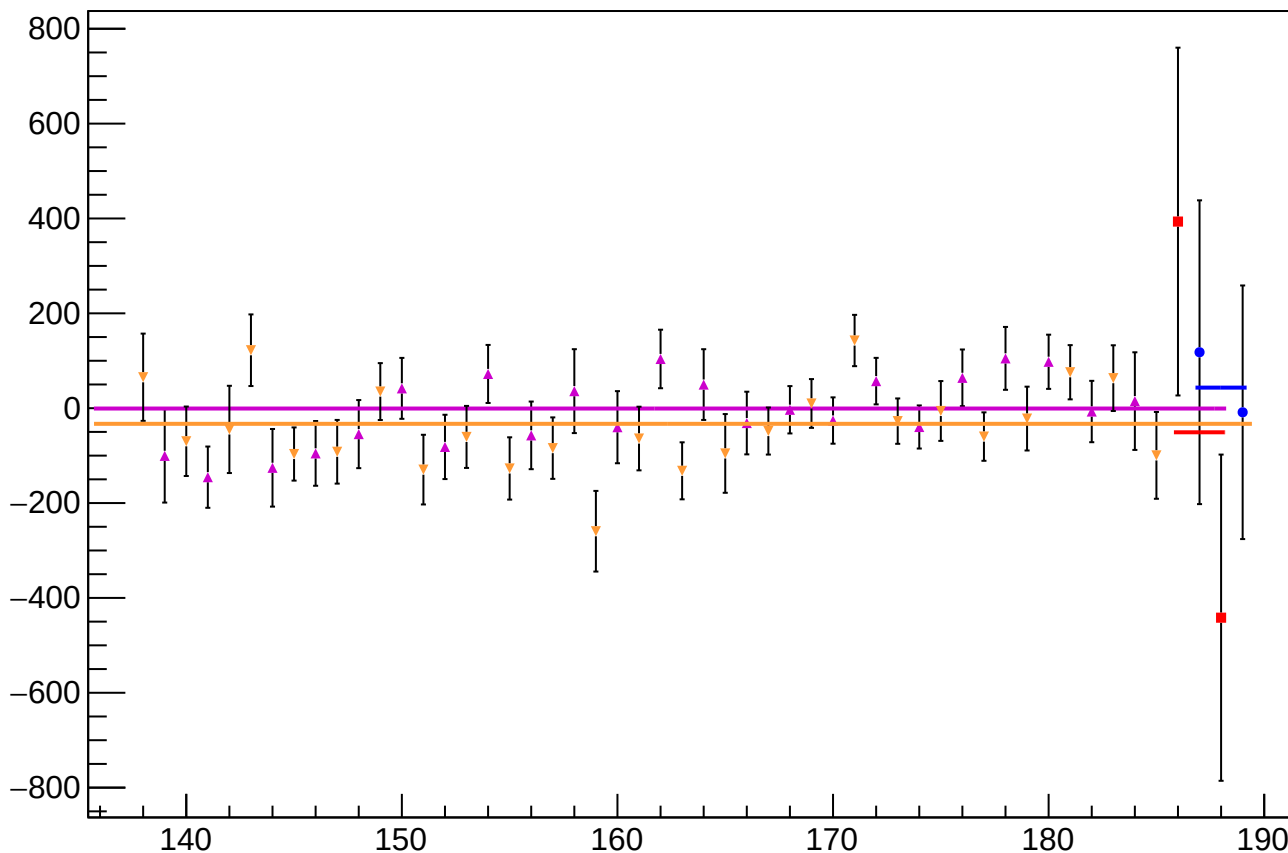
asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 3836.628+/-3.498 χ^2/NDF : 18089.9/1
 Left Out: 1541.149+/-0.256 χ^2/NDF : 382077.8/24
 Right Out: 4949.603+/-4.112 χ^2/NDF : 277431.5/1
 Left In: 1551.481+/-0.263 χ^2/NDF : 339002.9/22

Left: 1546.180+/-0.183 χ^2/NDF : 721873.3/47
 Right: 4303.910+/-2.664 χ^2/NDF : 338023.6/3
 In: 1564.314+/-0.262 χ^2/NDF : 781447.9/24
 Out: 1554.318+/-0.256 χ^2/NDF : 1343946.1/26
 All: 1559.190+/-0.183 χ^2/NDF : 2126139.3/51

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 43.391 $\pm$ 205.227 χ^2 /NDF: 0.1/1

Left Out: -32.952 $\pm$ 12.760 χ^2 /NDF:42.1/24

Right Out: -50.805 $\pm$ 250.826 χ^2 /NDF: 2.8/1

Left In: -0.712 $\pm$ 13.285 χ^2 /NDF:27.9/22

Left: -17.481 $\pm$ 9.203 χ^2 /NDF: 73.0/47

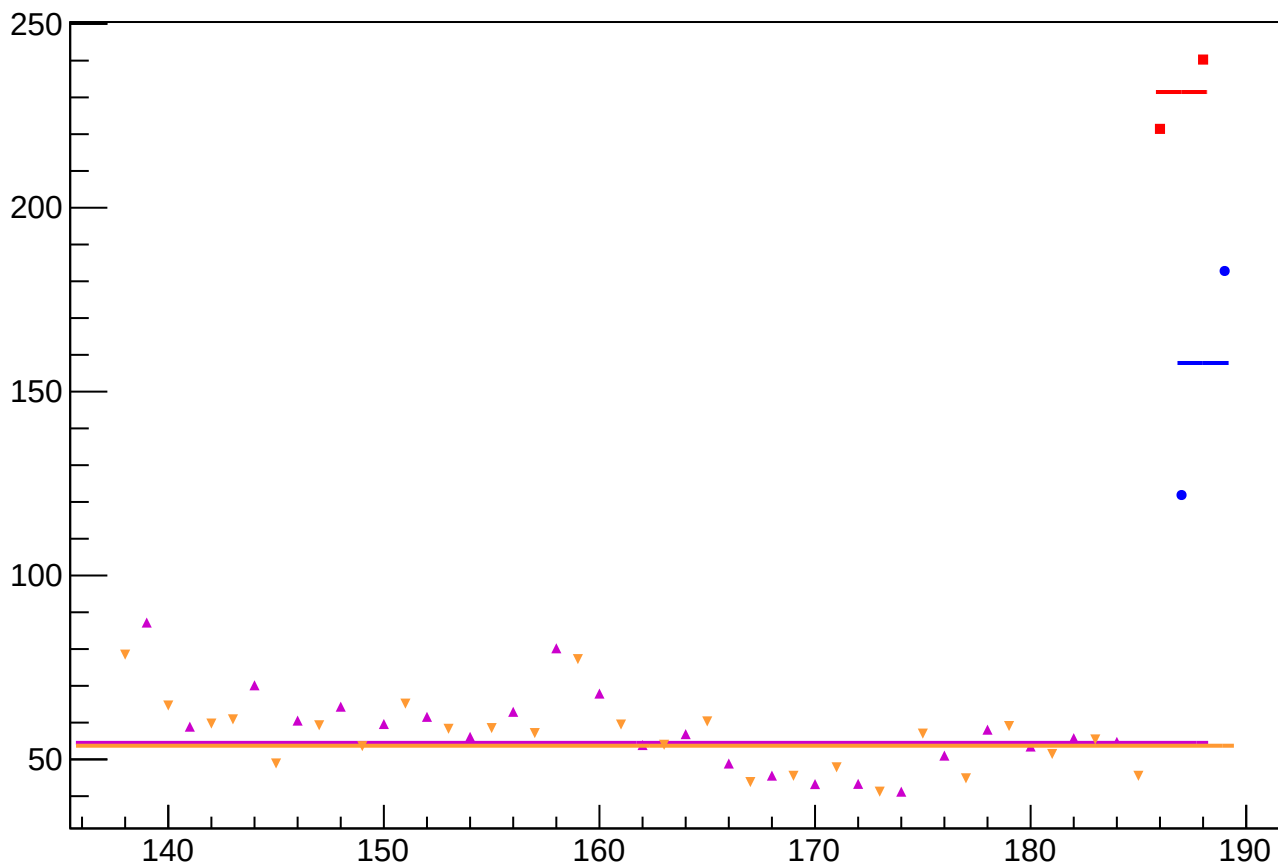
Right: 5.618 $\pm$ 158.835 χ^2 /NDF: 2.9/3

In: -0.528 $\pm$ 13.258 χ^2 /NDF:28.0/24

Out: -32.998 $\pm$ 12.744 χ^2 /NDF:44.8/26

All: -17.404 $\pm$ 9.188 χ^2 /NDF: 76.0/51

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 157.785 $\pm$ 0.145 χ^2 /NDF: 42651.0/1

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

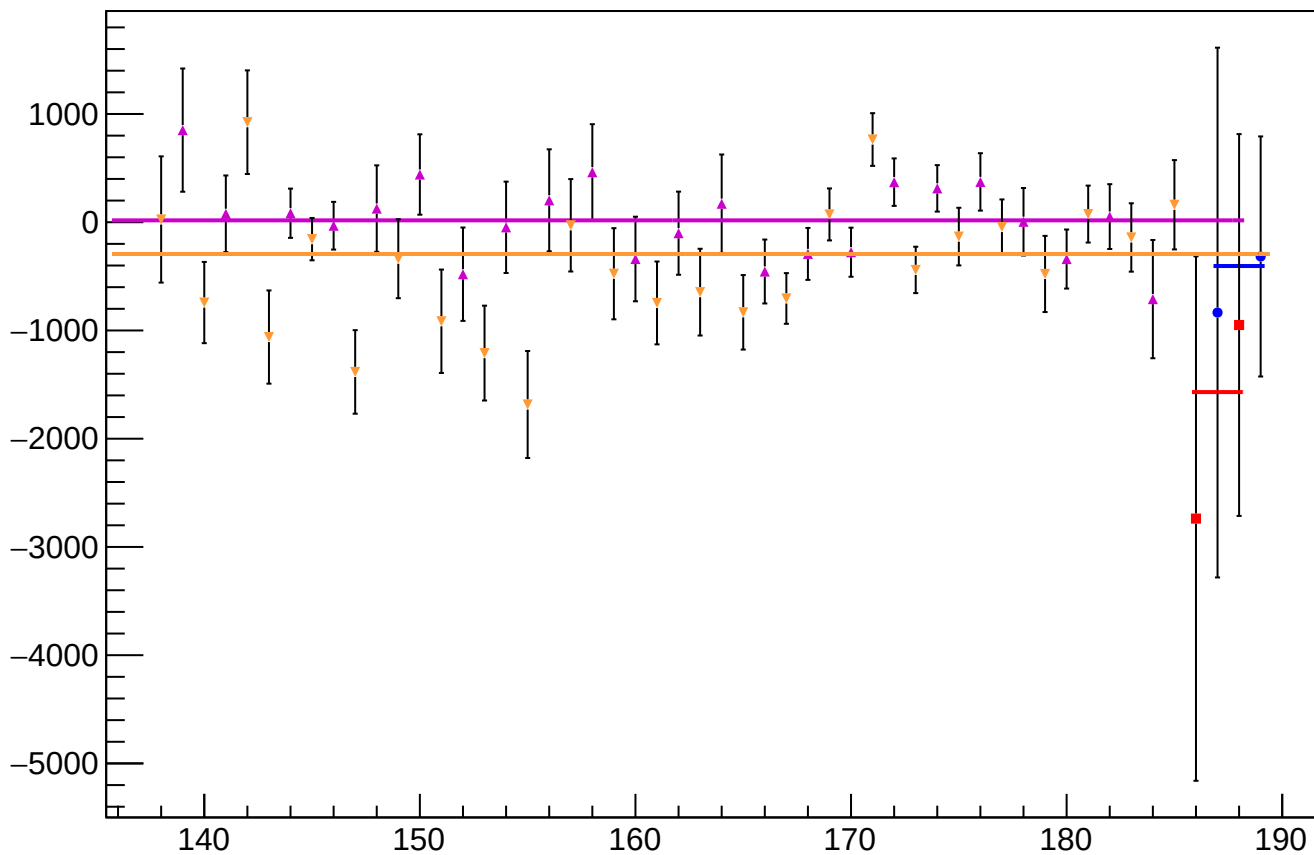
Right: 187.332 $\pm$ 0.112 χ^2 /NDF: 148842.4/3

In: 54.924 $\pm$ 0.009 χ^2 /NDF:1672416.9/24

Out: 54.177 $\pm$ 0.009 χ^2 /NDF:1893581.8/26

All: 54.535 $\pm$ 0.006 χ^2 /NDF: 3569300.5/51

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -404.633+/-1010.138 χ^2/NDF : 0.0/1

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

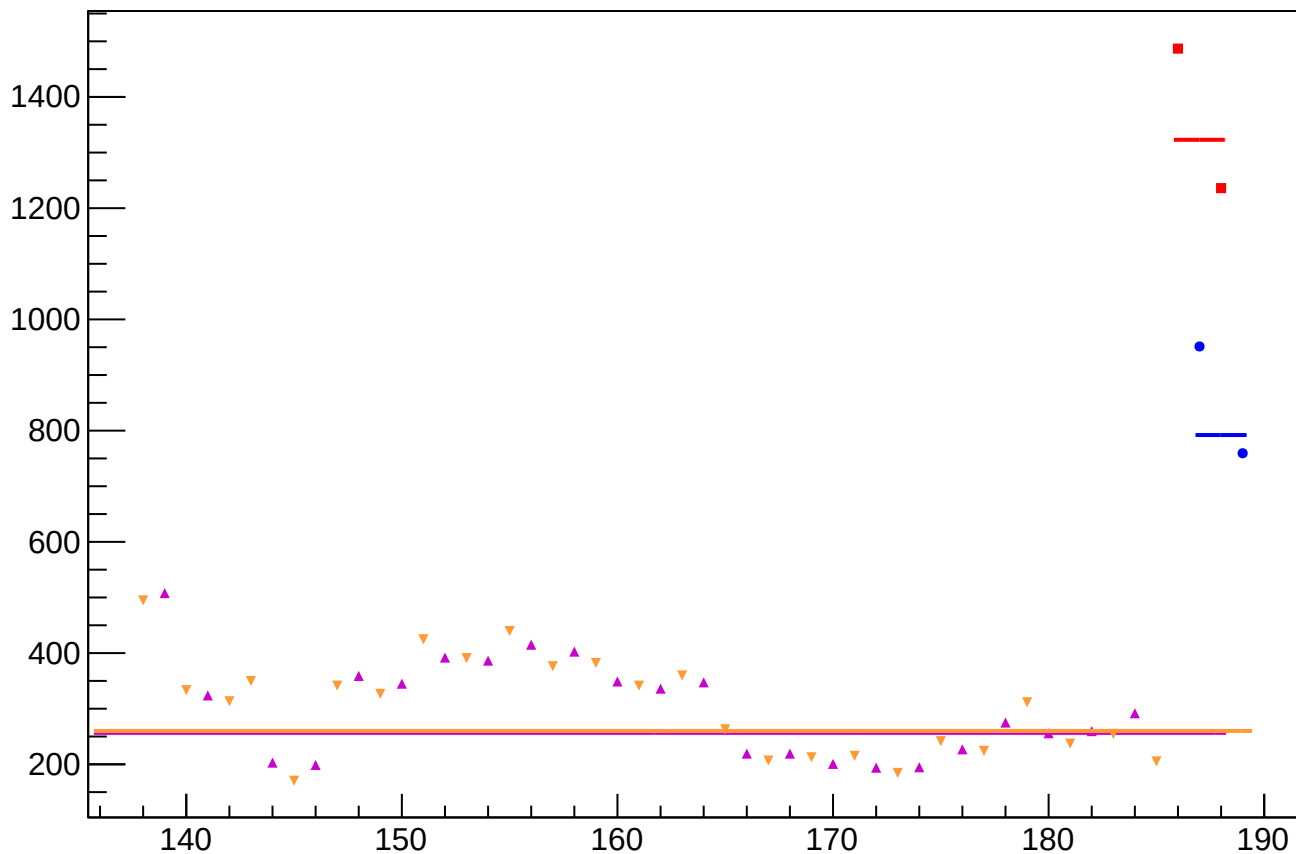
Right: -793.785+/-824.261 χ^2/NDF : 0.8/3

In: 15.677+/-63.570 χ^2/NDF : 23.2/24

Out: -296.280+/-63.351 χ^2/NDF : 69.9/26

All: -140.840+/-44.873 χ^2/NDF : 105.2/51

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 792.081+/-0.714 χ^2/NDF : 10213.1/1

Left Out: 260.060+/-0.045 χ^2/NDF :2940002.9/24

Right Out: 1322.962+/-1.008 χ^2/NDF : 14014.4/1

Left In: 256.513+/-0.045 χ^2/NDF :2632966.2/22

Left: 258.294+/-0.032 χ^2/NDF : 5576083.2/47

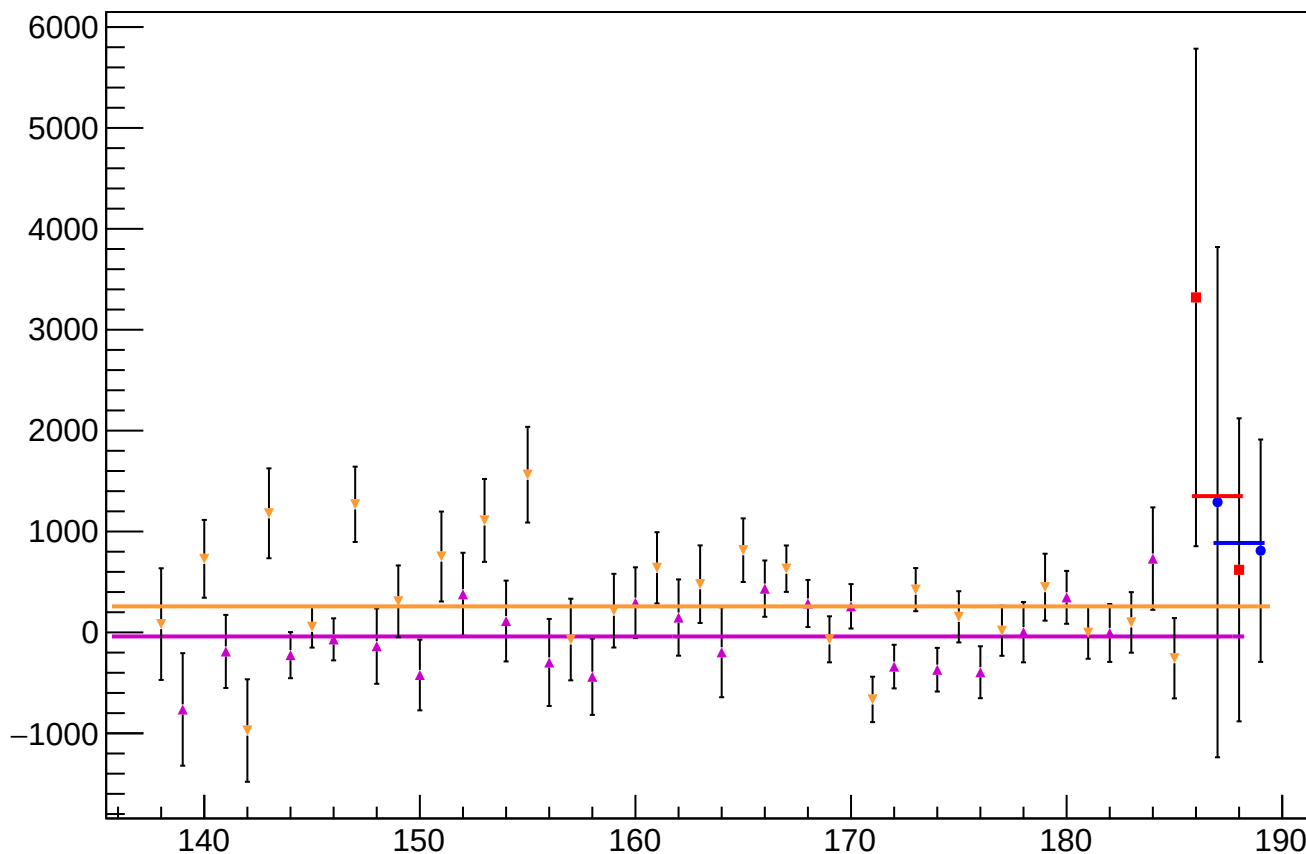
Right: 969.482+/-0.583 χ^2/NDF : 208822.9/3

In: 258.634+/-0.045 χ^2/NDF :3203160.9/24

Out: 262.158+/-0.045 χ^2/NDF :4063158.7/26

All: 260.402+/-0.032 χ^2/NDF : 7269402.7/51

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 886.689 ± 1010.251 $\chi^2/\text{NDF}: 0.0/1$

Left Out: 258.044 ± 61.488 $\chi^2/\text{NDF}: 65.0/24$

Right Out: 1350.848 ± 1282.570 $\chi^2/\text{NDF}: 0.9/1$

Left In: -40.015 ± 61.495 $\chi^2/\text{NDF}: 25.0/22$

Left: 109.033 ± 43.481 $\chi^2/\text{NDF}: 101.8/47$

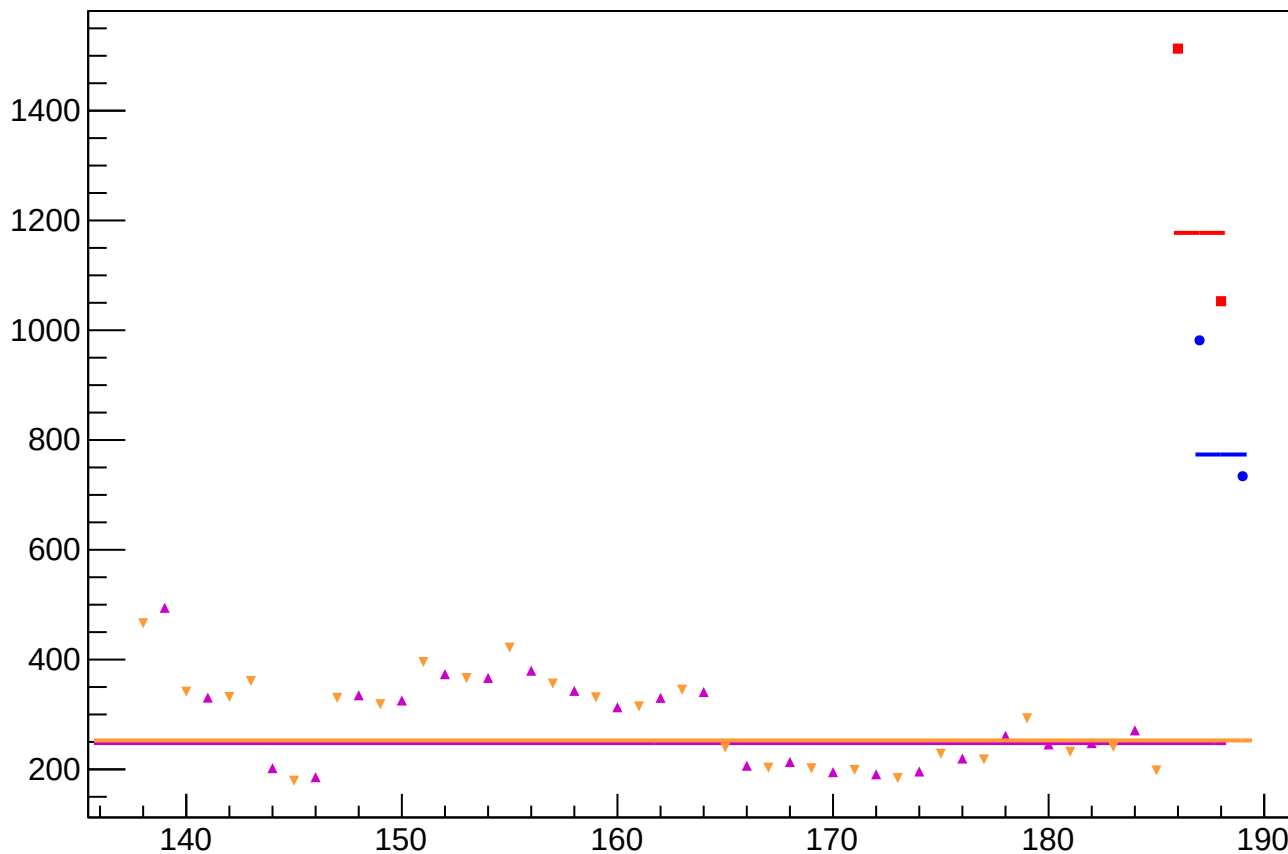
Right: 1064.407 ± 793.621 $\chi^2/\text{NDF}: 1.0/3$

In: -36.594 ± 61.382 $\chi^2/\text{NDF}: 25.9/24$

Out: 260.550 ± 61.417 $\chi^2/\text{NDF}: 66.6/26$

All: 111.892 ± 43.416 $\chi^2/\text{NDF}: 104.2/51$

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 773.595+/-0.714 χ^2/NDF : 16103.5/1

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

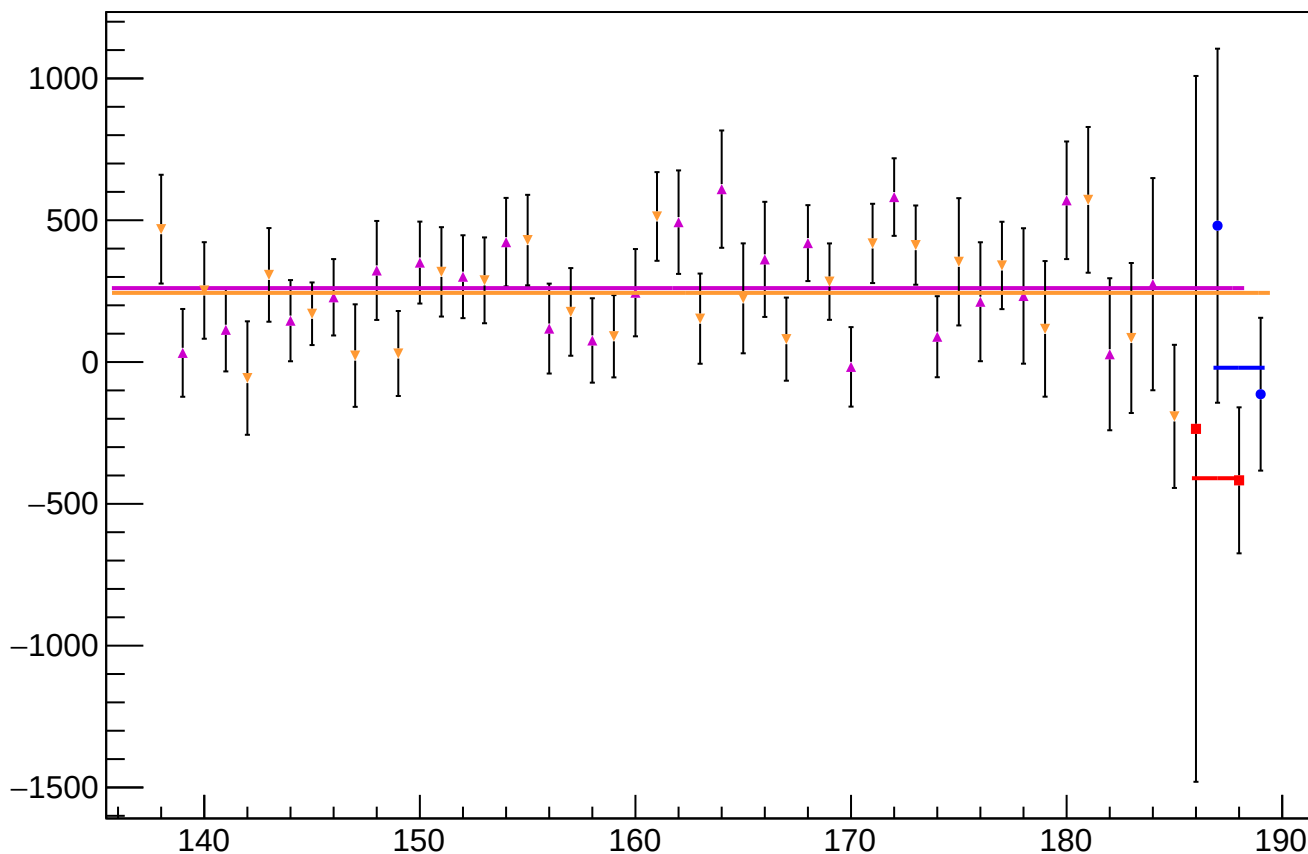
Right: 928.200+/-0.561 χ^2/NDF : 189259.2/3

In: 249.859+/-0.043 χ^2/NDF :2930315.8/24

Out: 254.841+/-0.043 χ^2/NDF :3736771.5/26

All: 252.349+/-0.031 χ^2/NDF : 6673670.8/51

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: -20.081 ± 247.379 χ^2/NDF : 0.8/1

Left Out: 243.890 ± 32.810 χ^2/NDF : 24.2/24

Right Out: -409.636 ± 252.075 χ^2/NDF : 0.0/1

Left In: 260.732 ± 34.112 χ^2/NDF : 28.0/22

Left: 251.983 ± 23.647 χ^2/NDF : 52.3/47

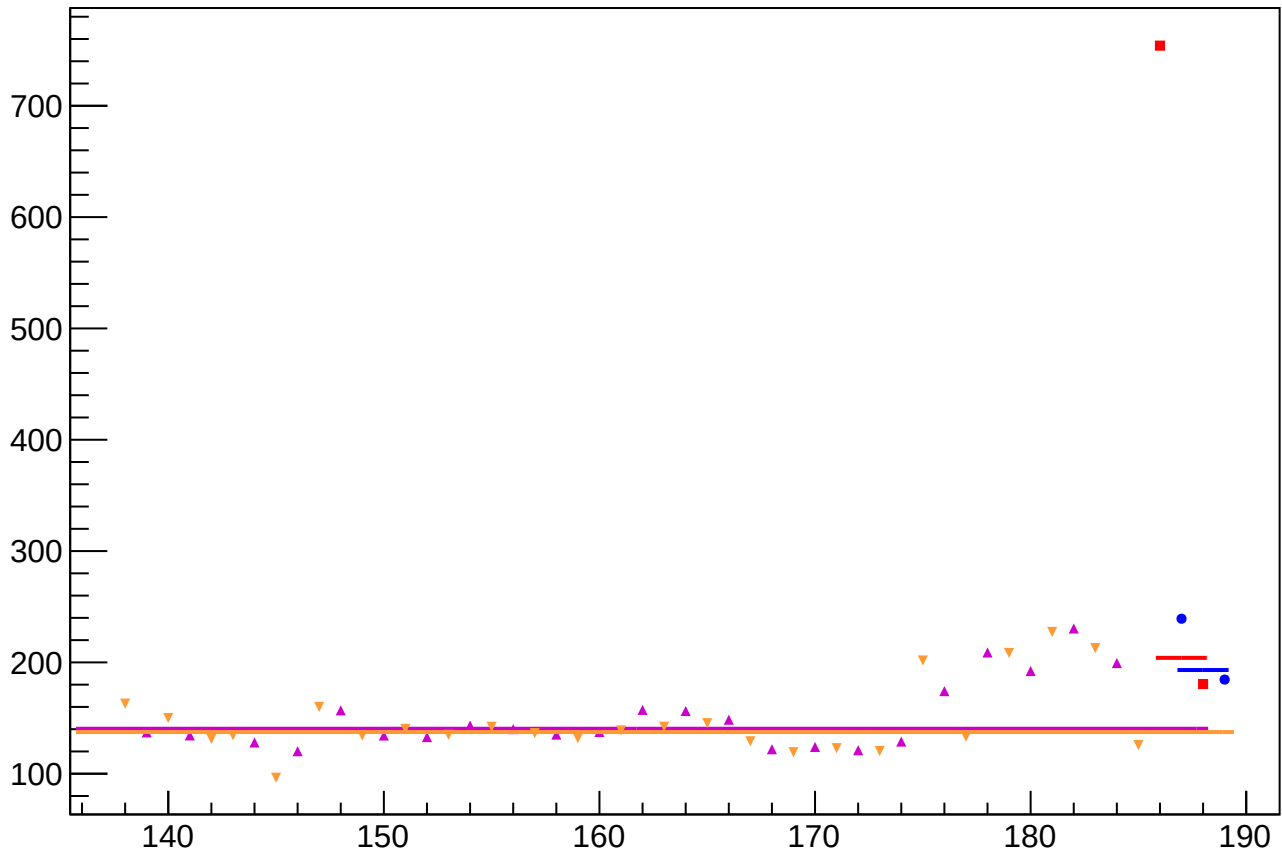
Right: -211.196 ± 176.560 χ^2/NDF : 2.0/3

In: 255.492 ± 33.792 χ^2/NDF : 30.0/24

Out: 233.002 ± 32.535 χ^2/NDF : 30.9/26

All: 243.821 ± 23.438 χ^2/NDF : 61.1/51

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 193.149 $\pm$ 0.175 χ^2 /NDF: 12925.7/1

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

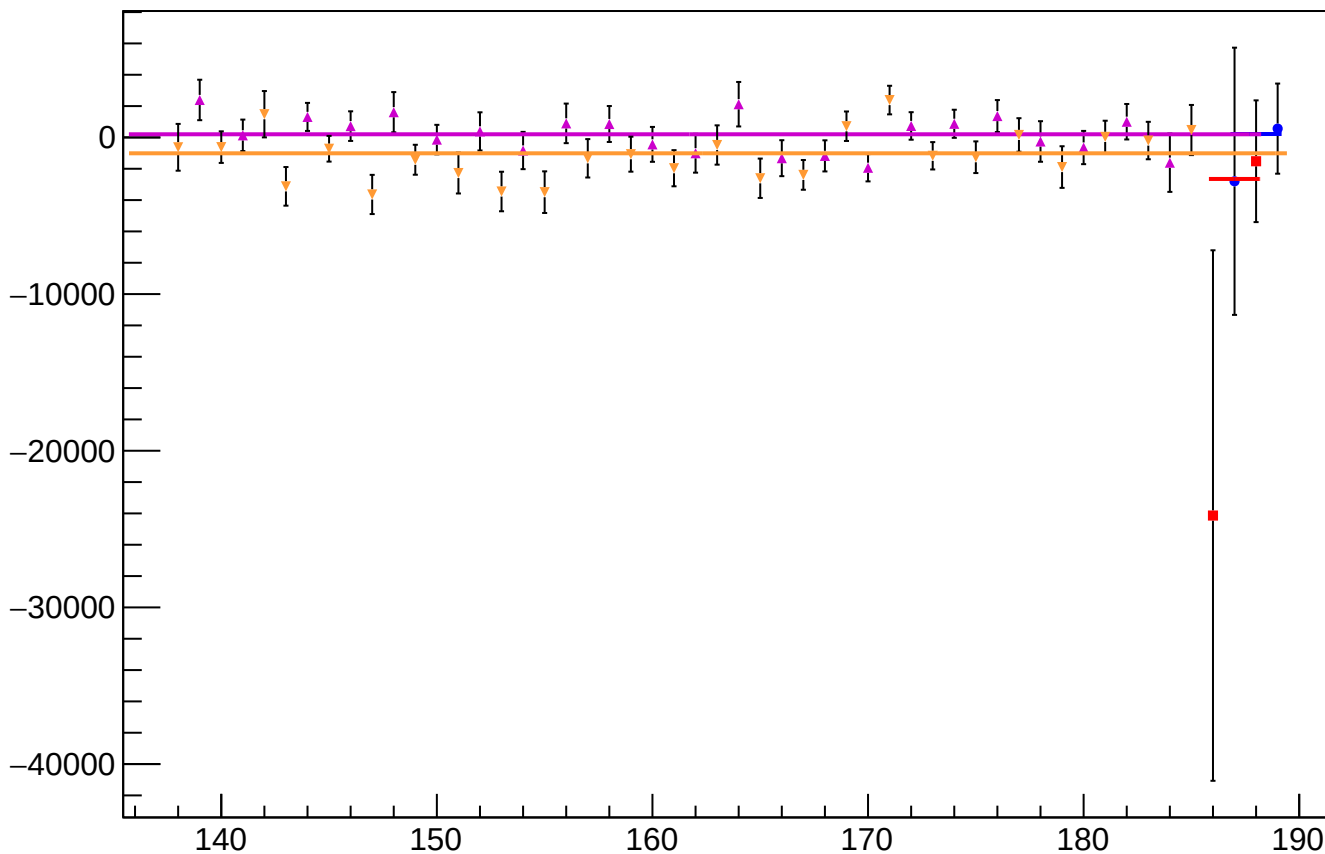
Right: 198.512 $\pm$ 0.125 χ^2 /NDF: 422161.5/3

In: 141.382 $\pm$ 0.024 χ^2 /NDF: 964215.6/24

Out: 138.540 $\pm$ 0.023 χ^2 /NDF: 1760694.0/26

All: 139.907 $\pm$ 0.017 χ^2 /NDF: 2732253.2/51

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 217.869+/-2725.575 χ^2/NDF : 0.1/1

Left Out: -1013.520+/-222.295 χ^2/NDF :44.8/24

Right Out: -2651.292+/-3787.003 χ^2/NDF : 1.7/1

Left In: 200.935+/-226.129 χ^2/NDF :24.7/22

Left: -416.675+/-158.525 χ^2/NDF : 84.2/47

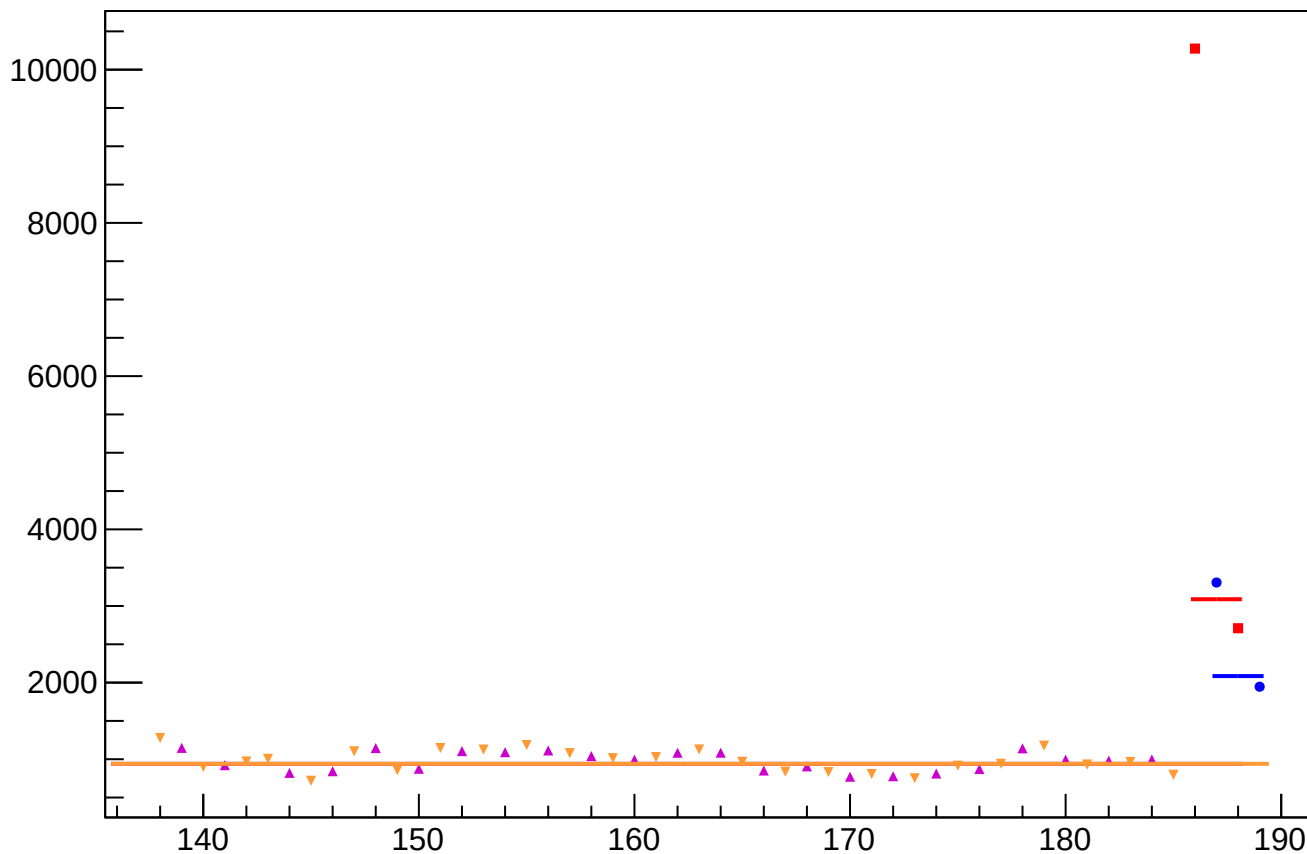
Right: -761.192+/-2212.193 χ^2/NDF : 2.2/3

In: 201.051+/-225.355 χ^2/NDF :24.9/24

Out: -1019.143+/-221.913 χ^2/NDF :46.7/26

All: -418.435+/-158.119 χ^2/NDF : 86.5/51

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 2085.185+/-1.927 χ^2/NDF : 45659.4/1

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

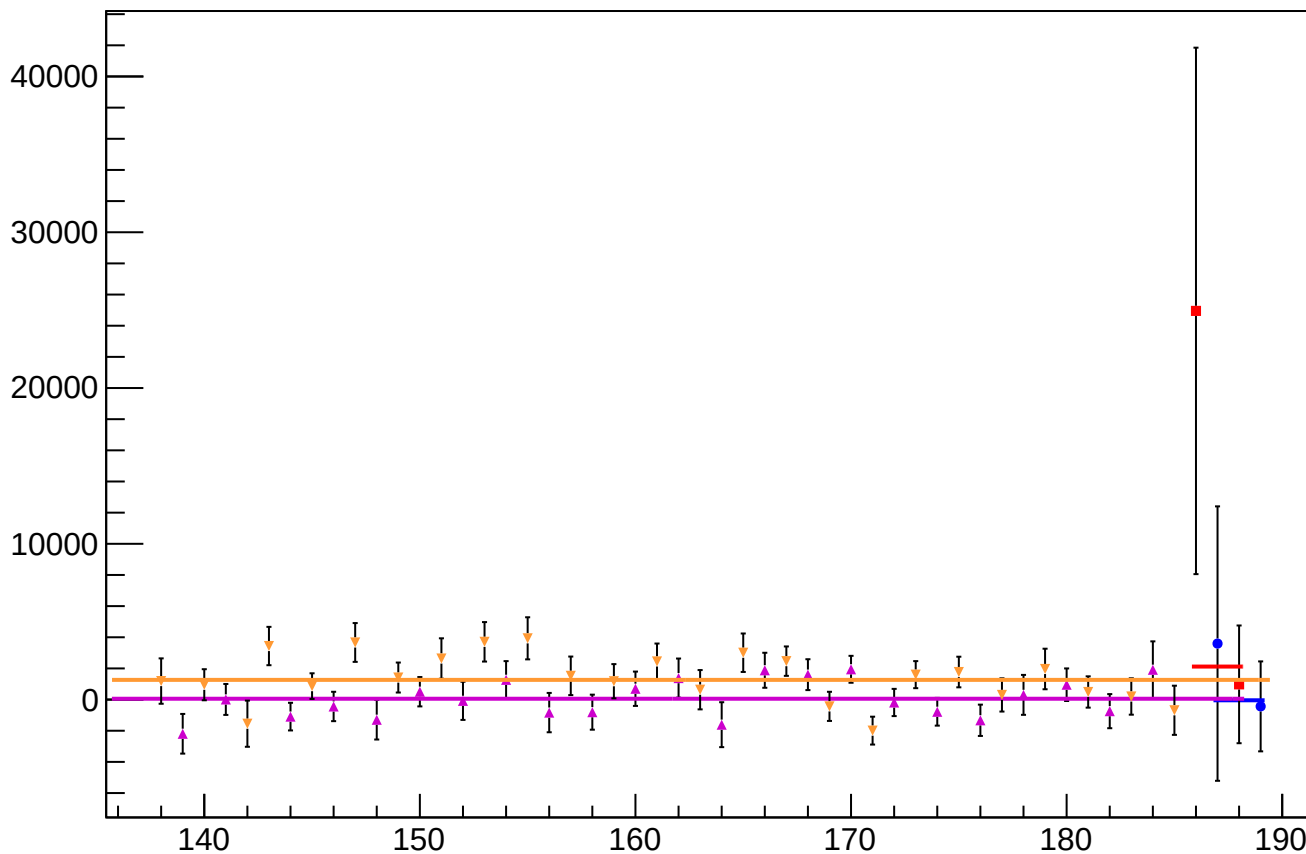
Right: 2427.454+/-1.564 χ^2/NDF : 517390.3/3

In: 947.156+/-0.159 χ^2/NDF : 1006428.4/24

Out: 947.486+/-0.157 χ^2/NDF : 1845022.2/26

All: 947.324+/-0.112 χ^2/NDF : 2851452.7/51

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: -45.183 ± 2743.608 χ^2/NDF : 0.2/1

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

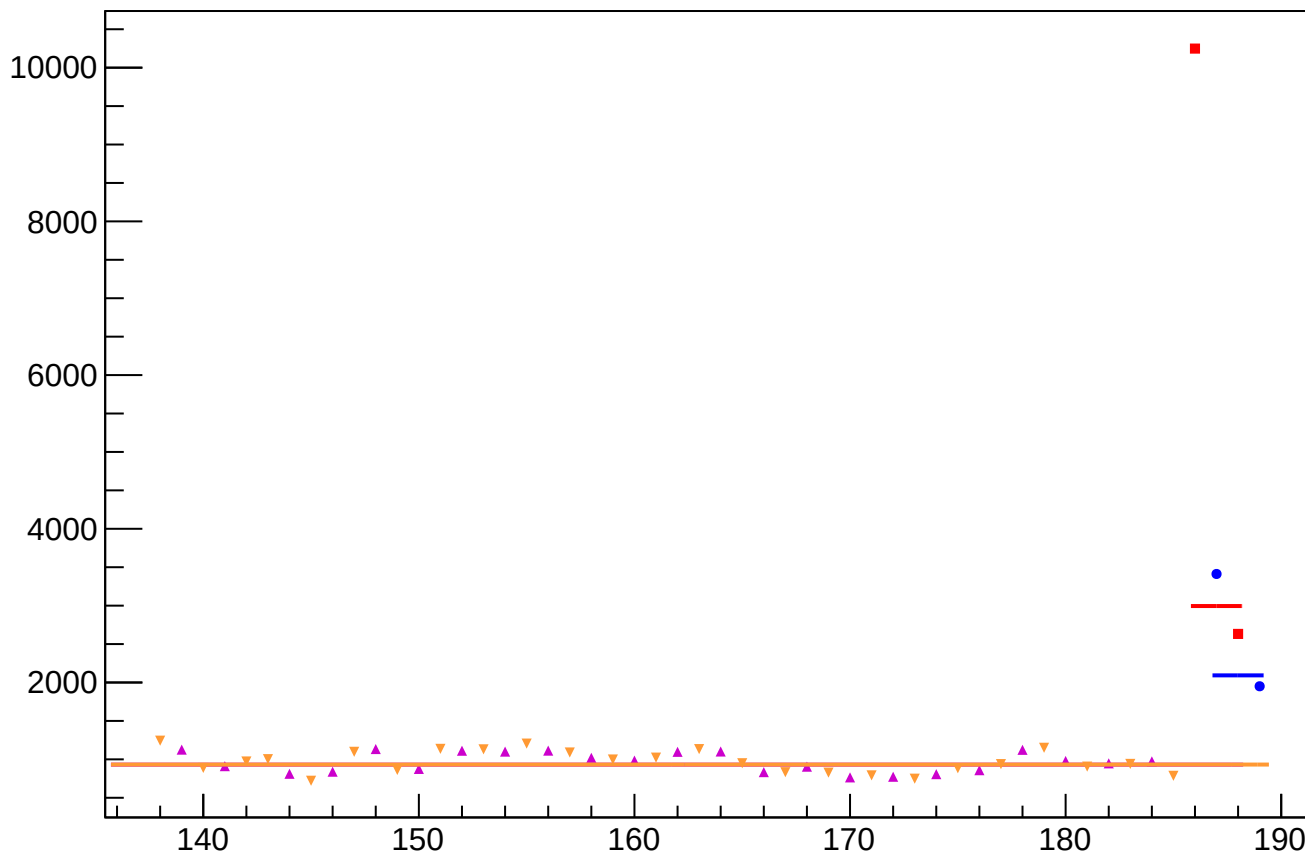
Right: 726.075 ± 2201.205 χ^2/NDF : 2.3/3

In: 53.281 ± 223.624 χ^2/NDF : 26.6/24

Out: 1267.987 ± 220.232 χ^2/NDF : 47.5/26

All: 669.917 ± 156.913 χ^2/NDF : 89.1/51

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 2092.722+/-1.940 χ^2/NDF : 49700.8/1

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

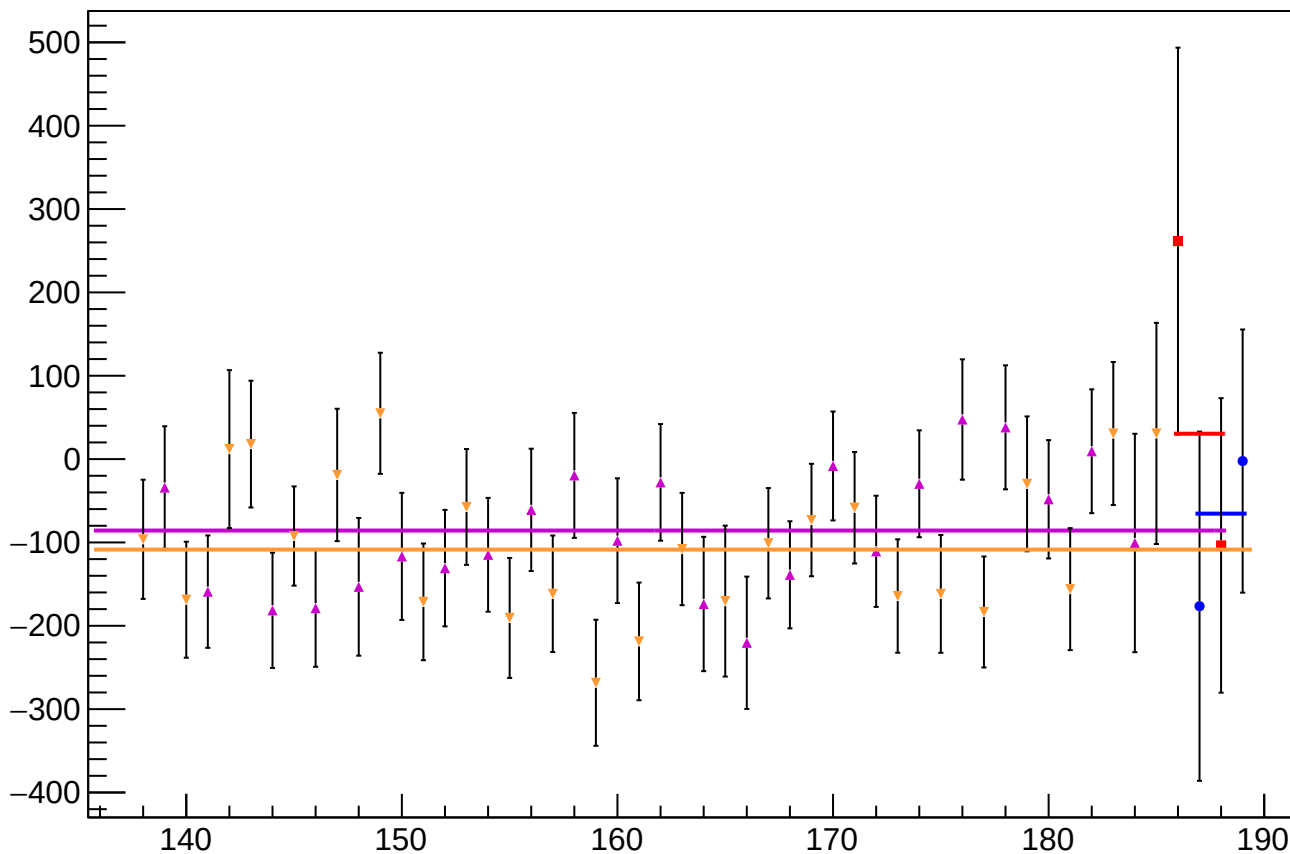
Right: 2414.151+/-1.556 χ^2/NDF : 513687.6/3

In: 938.573+/-0.158 χ^2/NDF : 1027977.1/24

Out: 939.527+/-0.156 χ^2/NDF : 1839181.7/26

All: 939.057+/-0.111 χ^2/NDF : 2867177.2/51

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: -65.418 ± 126.077 χ^2/NDF : 0.4/1

Left Out: -108.572 ± 14.605 χ^2/NDF : 30.6/24

Right Out: 30.460 ± 140.581 χ^2/NDF : 1.6/1

Left In: -85.703 ± 15.129 χ^2/NDF : 23.6/22

Left: -97.541 ± 10.508 χ^2/NDF : 55.4/47

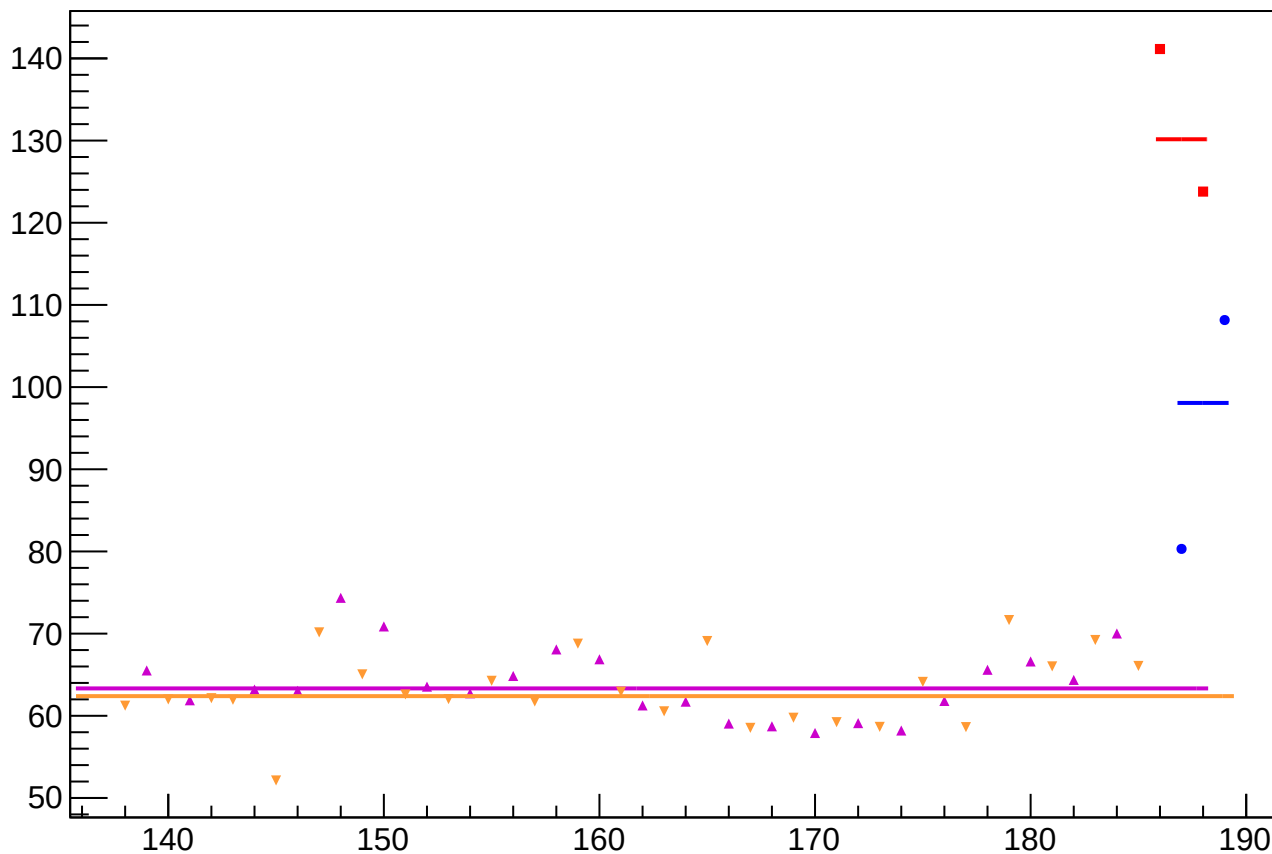
Right: -22.678 ± 93.860 χ^2/NDF : 2.3/3

In: -85.415 ± 15.022 χ^2/NDF : 24.0/24

Out: -107.087 ± 14.526 χ^2/NDF : 33.2/26

All: -96.614 ± 10.442 χ^2/NDF : 58.3/51

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 98.073 ± 0.089 $\chi^2/\text{NDF}: 22543.1/1$

Left Out: 62.393 ± 0.010 $\chi^2/\text{NDF}: 183597.0/24$

Right Out: 130.160 ± 0.099 $\chi^2/\text{NDF}: 7077.6/1$

Left In: 63.333 ± 0.011 $\chi^2/\text{NDF}: 137299.8/22$

Left: 62.846 ± 0.007 $\chi^2/\text{NDF}: 324890.5/47$

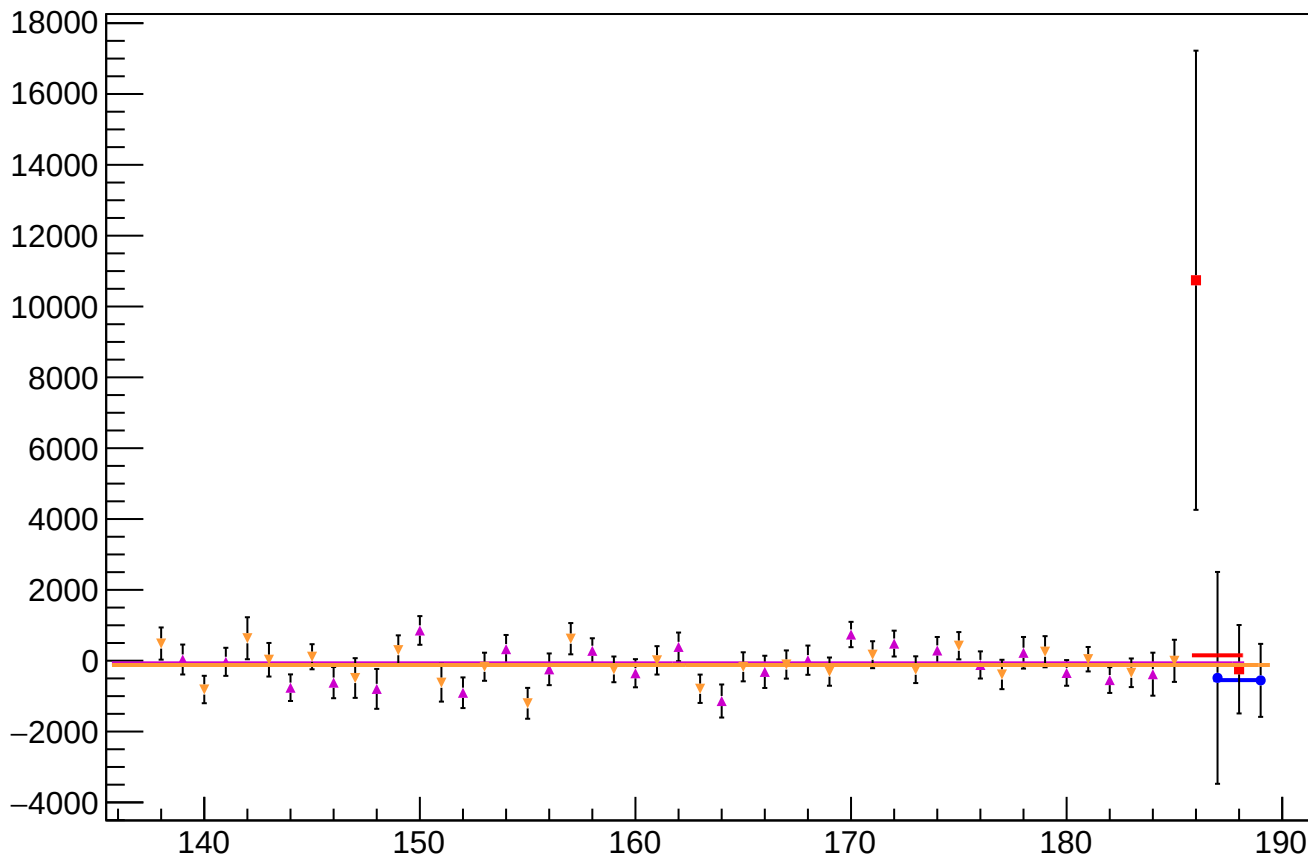
Right: 112.376 ± 0.066 $\chi^2/\text{NDF}: 87366.2/3$

In: 63.826 ± 0.011 $\chi^2/\text{NDF}: 309541.4/24$

Out: 63.116 ± 0.010 $\chi^2/\text{NDF}: 650456.3/26$

All: 63.459 ± 0.007 $\chi^2/\text{NDF}: 962301.8/51$

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -547.690+/-974.233 χ^2/NDF : 0.0/1

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

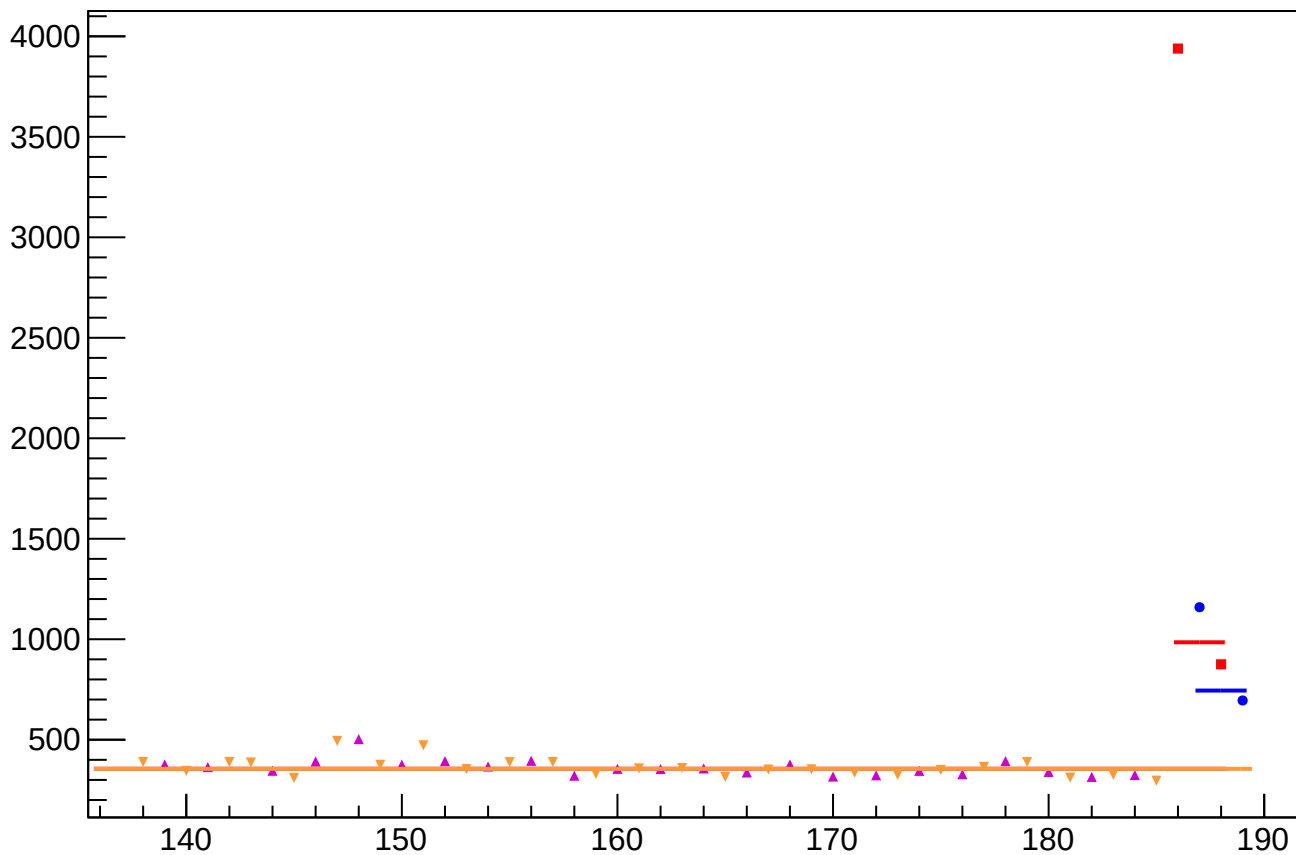
Right: -276.793+/-762.700 χ^2/NDF : 3.0/3

In: -77.865+/-84.883 χ^2/NDF : 36.6/24

Out: -119.706+/-83.277 χ^2/NDF : 28.9/26

All: -99.185+/-59.446 χ^2/NDF : 65.7/51

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 744.565+/-0.689 χ^2/NDF : 43053.7/1

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

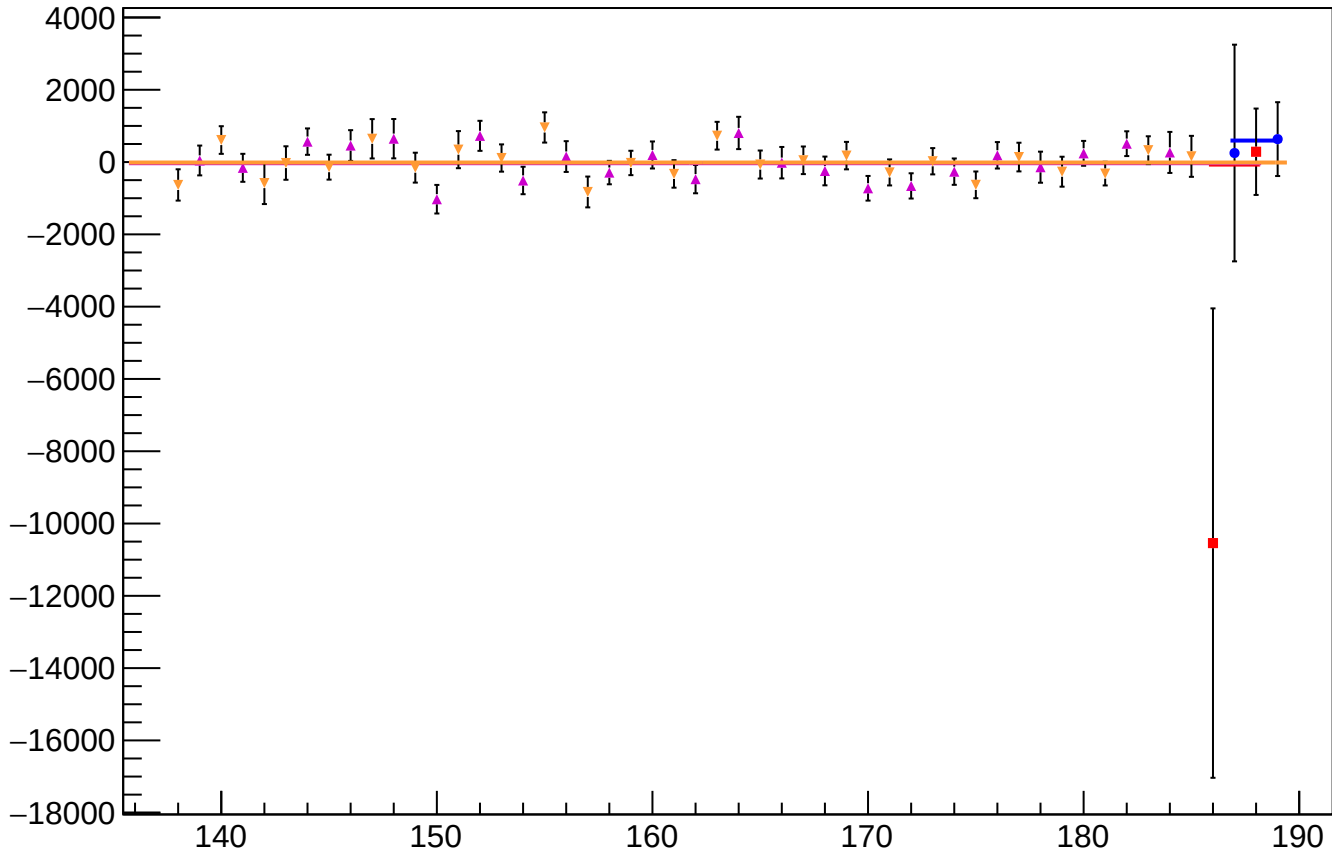
Right: 837.553+/-0.539 χ^2/NDF : 520967.3/3

In: 358.460+/-0.060 χ^2/NDF : 682758.9/24

Out: 358.023+/-0.059 χ^2/NDF : 1386202.9/26

All: 358.237+/-0.042 χ^2/NDF : 2068988.7/51

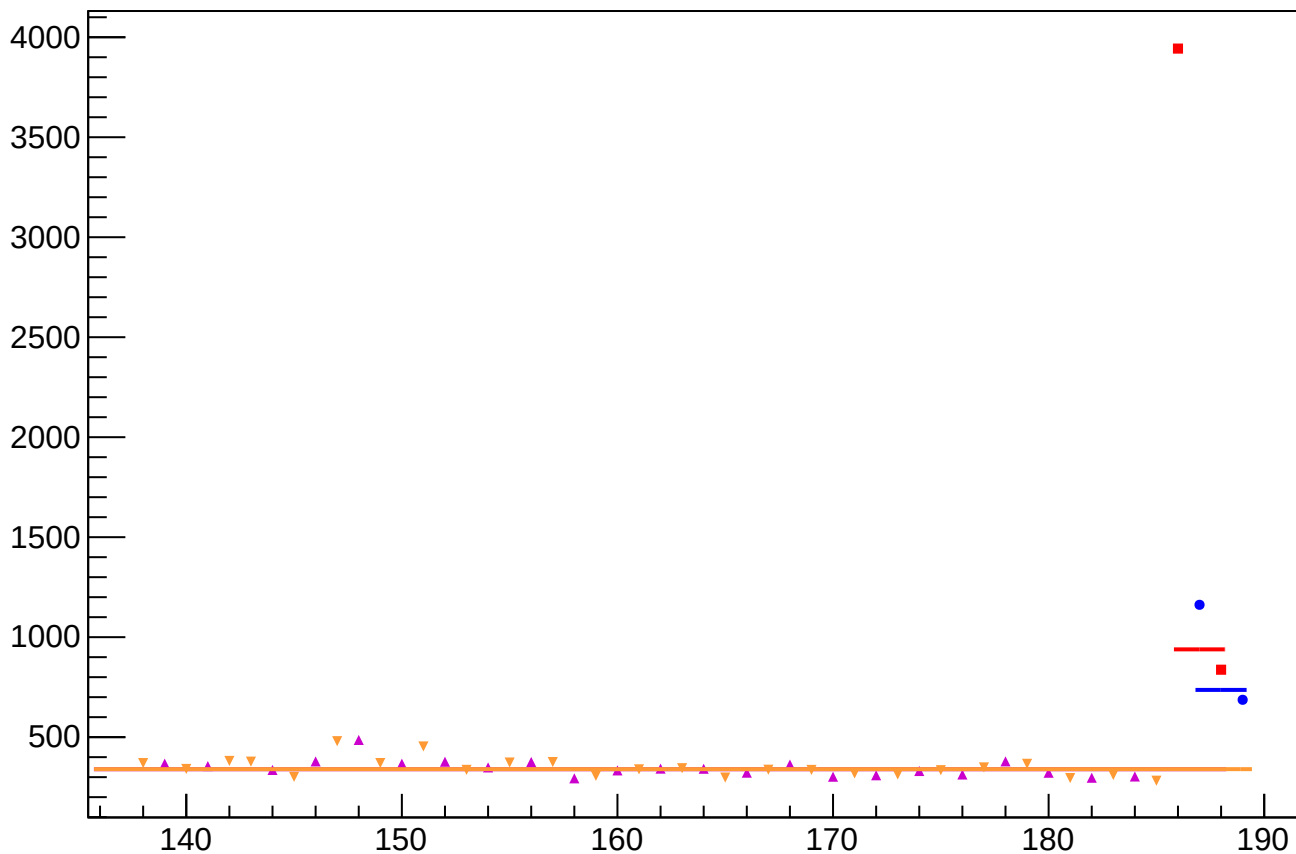
asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 595.036+/-966.843 χ^2/NDF : 0.0/1
 Left Out: -12.545+/-79.984 χ^2/NDF :27.3/24
 Right Out: -69.061+/-1175.108 χ^2/NDF : 2.7/1
 Left In: -31.531+/-81.476 χ^2/NDF :34.8/22

Left: -21.863+/-57.077 χ^2/NDF : 62.2/47
 Right: 326.954+/-746.614 χ^2/NDF : 2.9/3
 In: -27.113+/-81.188 χ^2/NDF :35.2/24
 Out: -12.805+/-79.799 χ^2/NDF :30.0/26
 All: -19.836+/-56.911 χ^2/NDF : 65.3/51

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 736.292 $\pm$ 0.684 χ^2 /NDF: 44998.8/1

Left Out: 340.018 $\pm$ 0.057 χ^2 /NDF: 465345.1/24

Right Out: 938.987 $\pm$ 0.831 χ^2 /NDF: 442642.3/1

Left In: 339.571 $\pm$ 0.058 χ^2 /NDF: 377816.0/22

Left: 339.799 $\pm$ 0.040 χ^2 /NDF: 843191.8/47

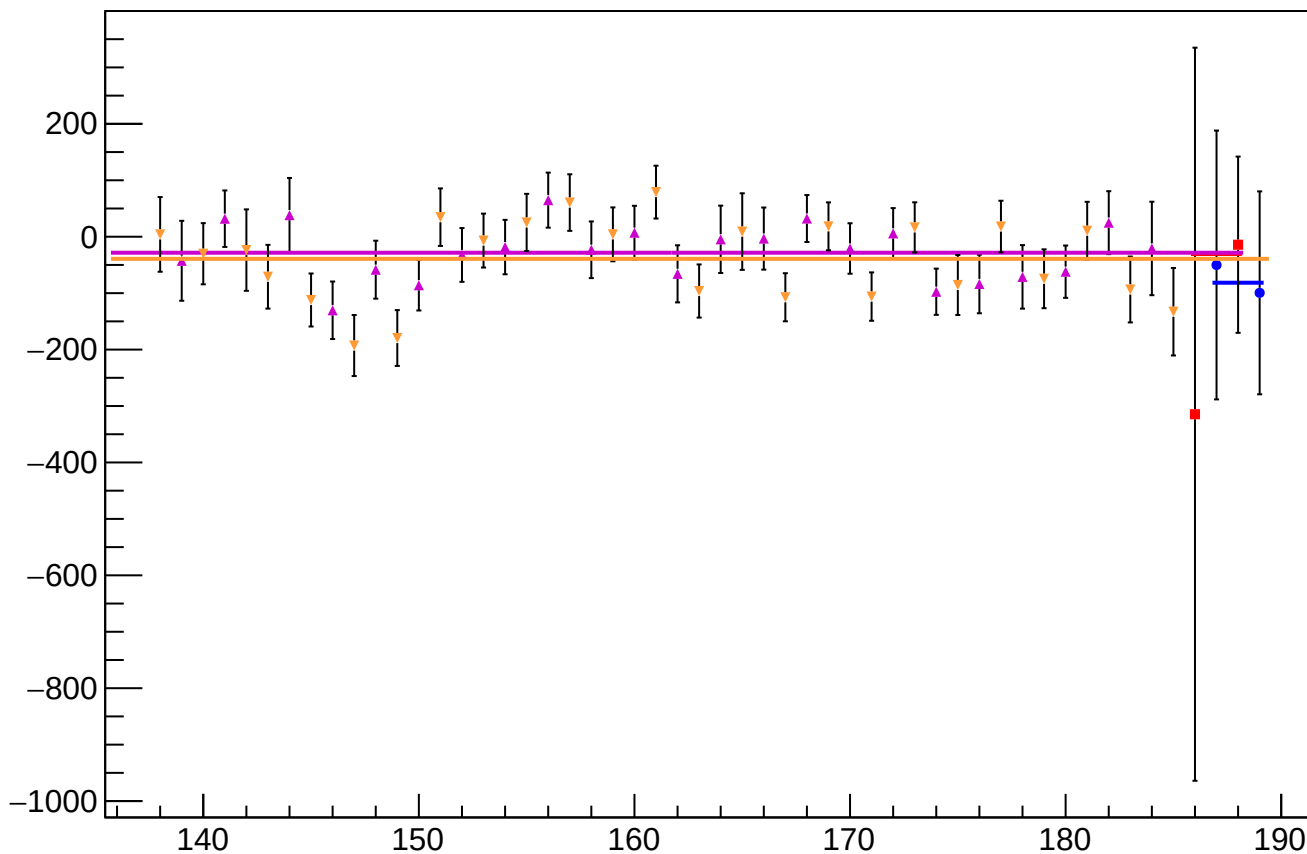
Right: 818.116 $\pm$ 0.528 χ^2 /NDF: 523125.7/3

In: 342.368 $\pm$ 0.057 χ^2 /NDF: 757176.2/24

Out: 342.780 $\pm$ 0.056 χ^2 /NDF: 1425208.3/26

All: 342.578 $\pm$ 0.040 χ^2 /NDF: 2182410.8/51

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -81.524+/-143.492 χ^2/NDF : 0.0/1

Left Out: -39.211+/-10.179 χ^2/NDF : 51.1/24

Right Out: -30.588+/-151.816 χ^2/NDF : 0.2/1

Left In: -28.364+/-10.532 χ^2/NDF : 22.4/22

Left: -33.972+/-7.319 χ^2/NDF : 74.1/47

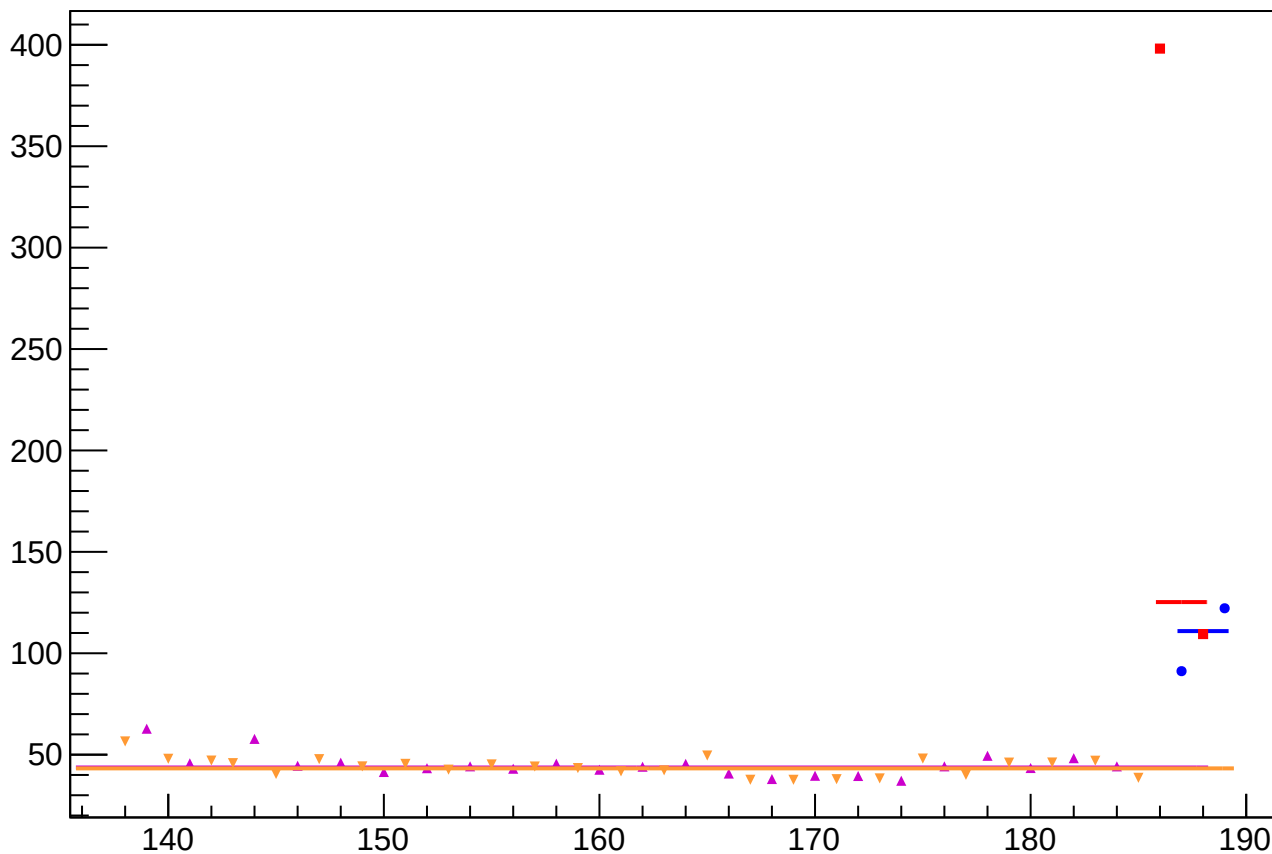
Right: -57.491+/-104.283 χ^2/NDF : 0.3/3

In: -28.649+/-10.504 χ^2/NDF : 22.6/24

Out: -39.173+/-10.157 χ^2/NDF : 51.3/26

All: -34.088+/-7.301 χ^2/NDF : 74.4/51

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 110.933 $\pm$ 0.101 χ^2 /NDF: 21590.2/1

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

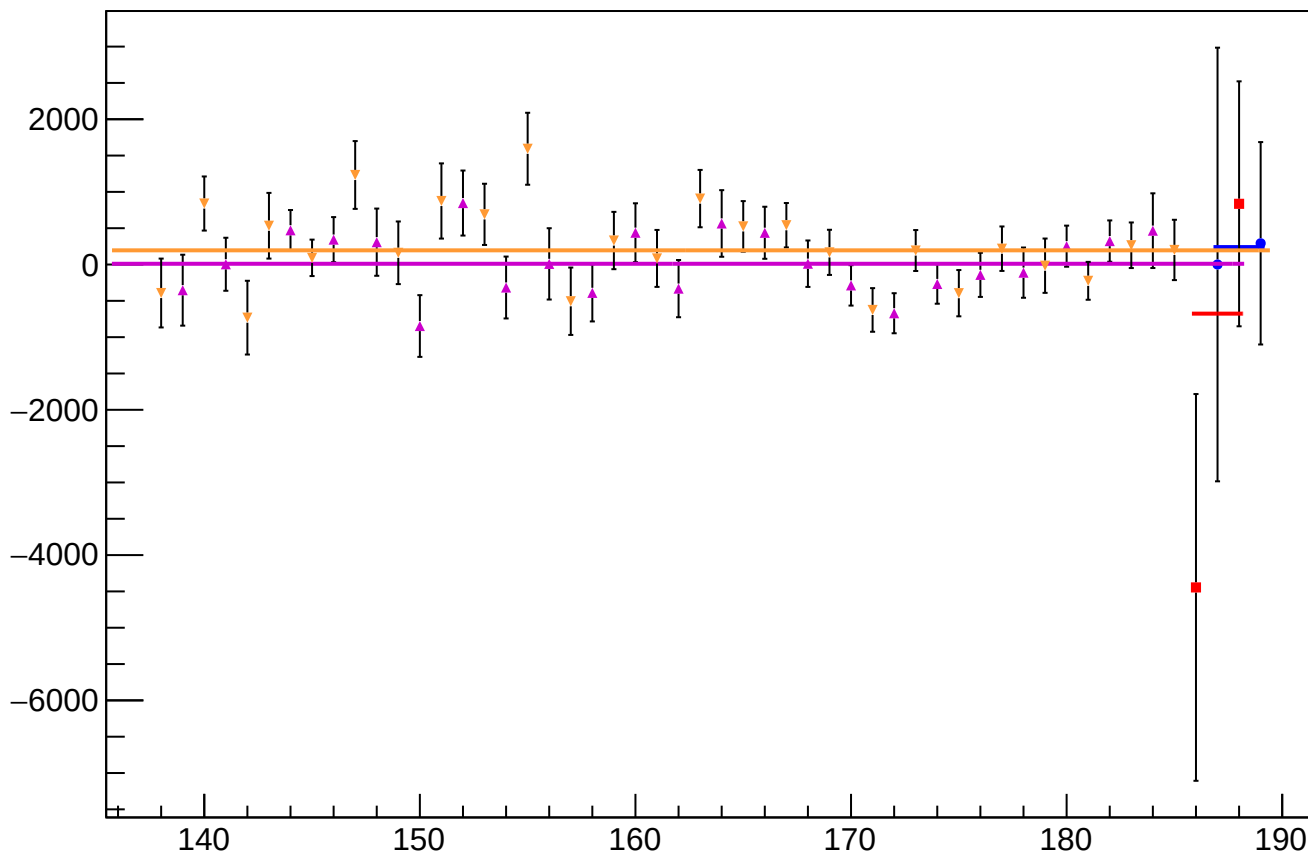
Right: 117.683 $\pm$ 0.074 χ^2 /NDF: 404424.5/3

In: 44.039 $\pm$ 0.007 χ^2 /NDF:878854.8/24

Out: 43.610 $\pm$ 0.007 χ^2 /NDF:1289691.4/26

All: 43.817 $\pm$ 0.005 χ^2 /NDF: 2170276.0/51

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 240.106+/-1262.428 χ^2/NDF : 0.0/1

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

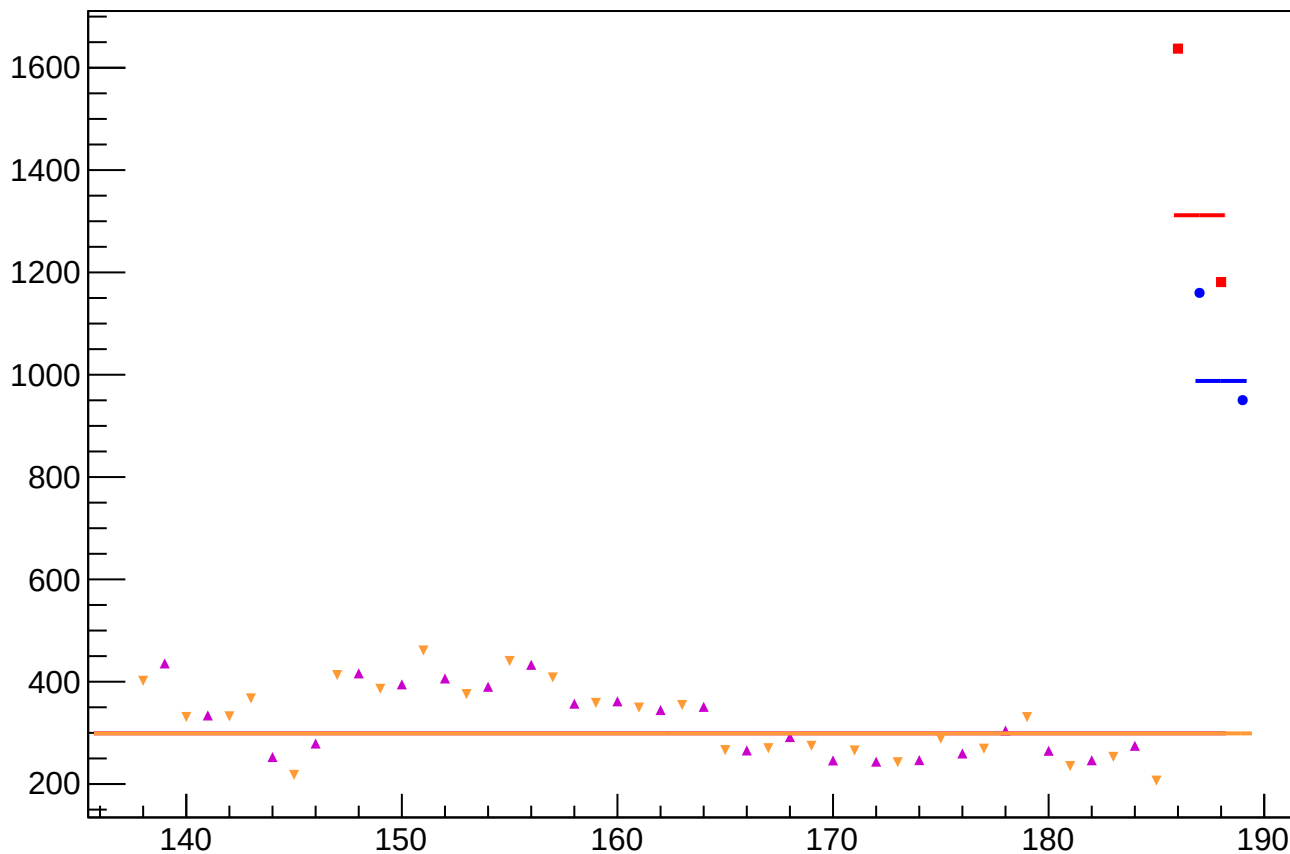
Right: -162.992+/-944.768 χ^2/NDF : 3.0/3

In: 11.026+/-72.695 χ^2/NDF : 30.2/24

Out: 193.129+/-71.503 χ^2/NDF : 49.6/26

All: 103.583+/-50.977 χ^2/NDF : 83.0/51

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 987.861 $\pm$ 0.893 χ^2 /NDF: 8099.6/1

Left Out: 298.961 $\pm$ 0.051 χ^2 /NDF:1678647.8/24

Right Out: 1311.750 $\pm$ 1.007 χ^2 /NDF: 41929.4/1

Left In: 299.127 $\pm$ 0.051 χ^2 /NDF:1348388.7/22

Left: 299.042 $\pm$ 0.036 χ^2 /NDF: 3027041.7/47

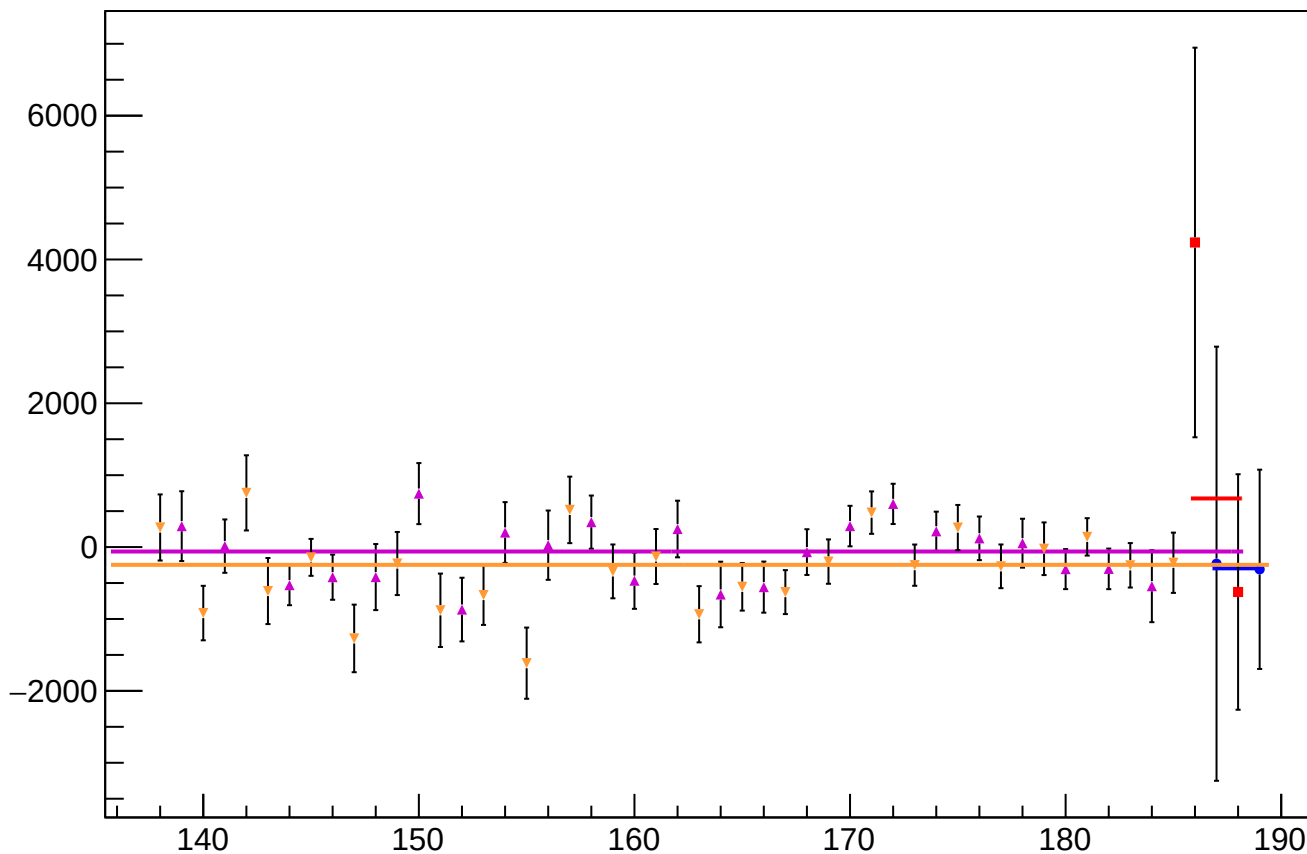
Right: 1130.352 $\pm$ 0.668 χ^2 /NDF: 107945.2/3

In: 301.410 $\pm$ 0.051 χ^2 /NDF:1949793.5/24

Out: 301.513 $\pm$ 0.051 χ^2 /NDF:2729163.6/26

All: 301.463 $\pm$ 0.036 χ^2 /NDF: 4678959.1/51

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -295.819 ± 1259.520 $\chi^2/\text{NDF}: 0.0/1$

Left Out: -247.108 ± 71.218 $\chi^2/\text{NDF}: 43.6/24$

Right Out: 676.221 ± 1401.589 $\chi^2/\text{NDF}: 2.4/1$

Left In: -61.707 ± 72.478 $\chi^2/\text{NDF}: 30.3/22$

Left: -156.032 ± 50.798 $\chi^2/\text{NDF}: 77.2/47$

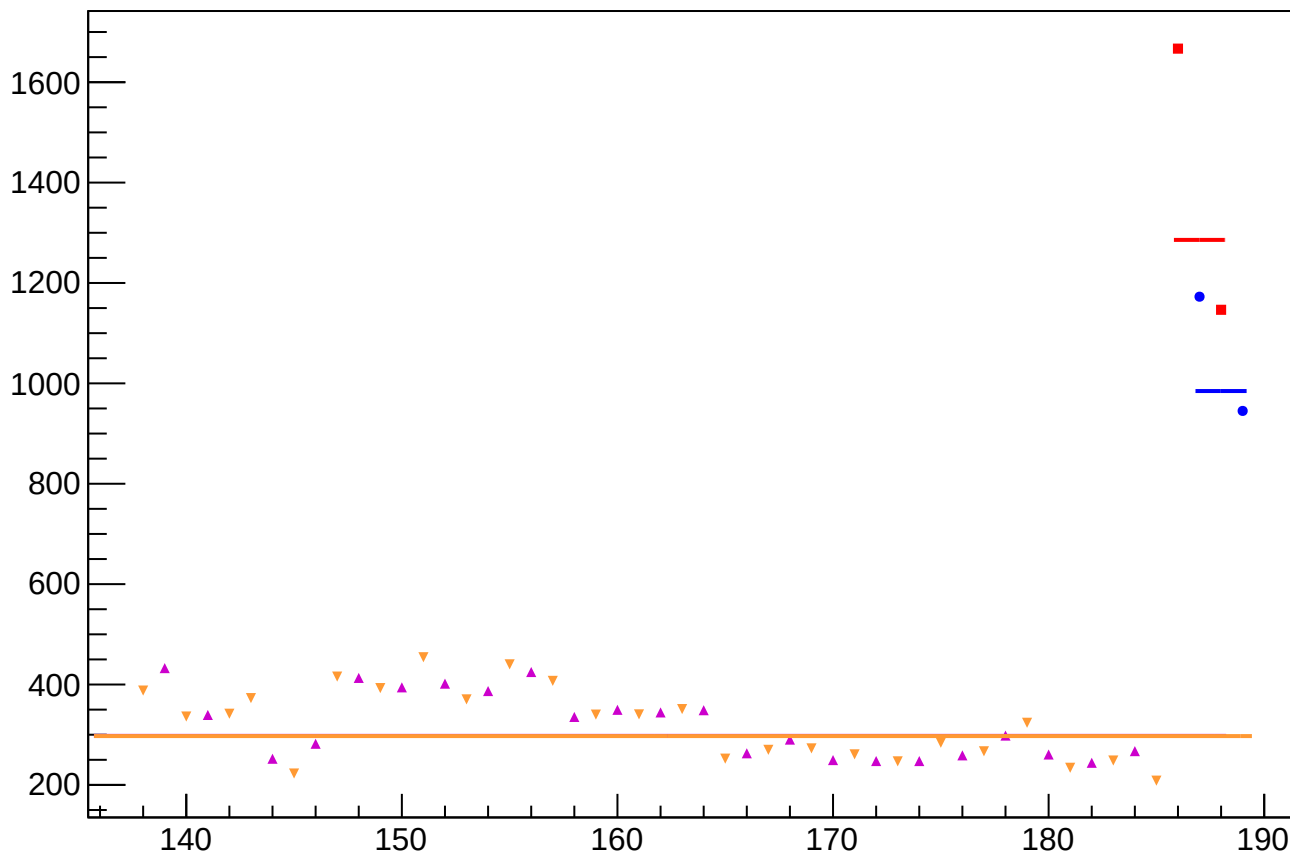
Right: 138.454 ± 936.829 $\chi^2/\text{NDF}: 2.6/3$

In: -62.479 ± 72.358 $\chi^2/\text{NDF}: 30.4/24$

Out: -244.730 ± 71.126 $\chi^2/\text{NDF}: 46.4/26$

All: -155.169 ± 50.724 $\chi^2/\text{NDF}: 80.0/51$

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 984.711+/-0.891 χ^2/NDF : 9385.0/1

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

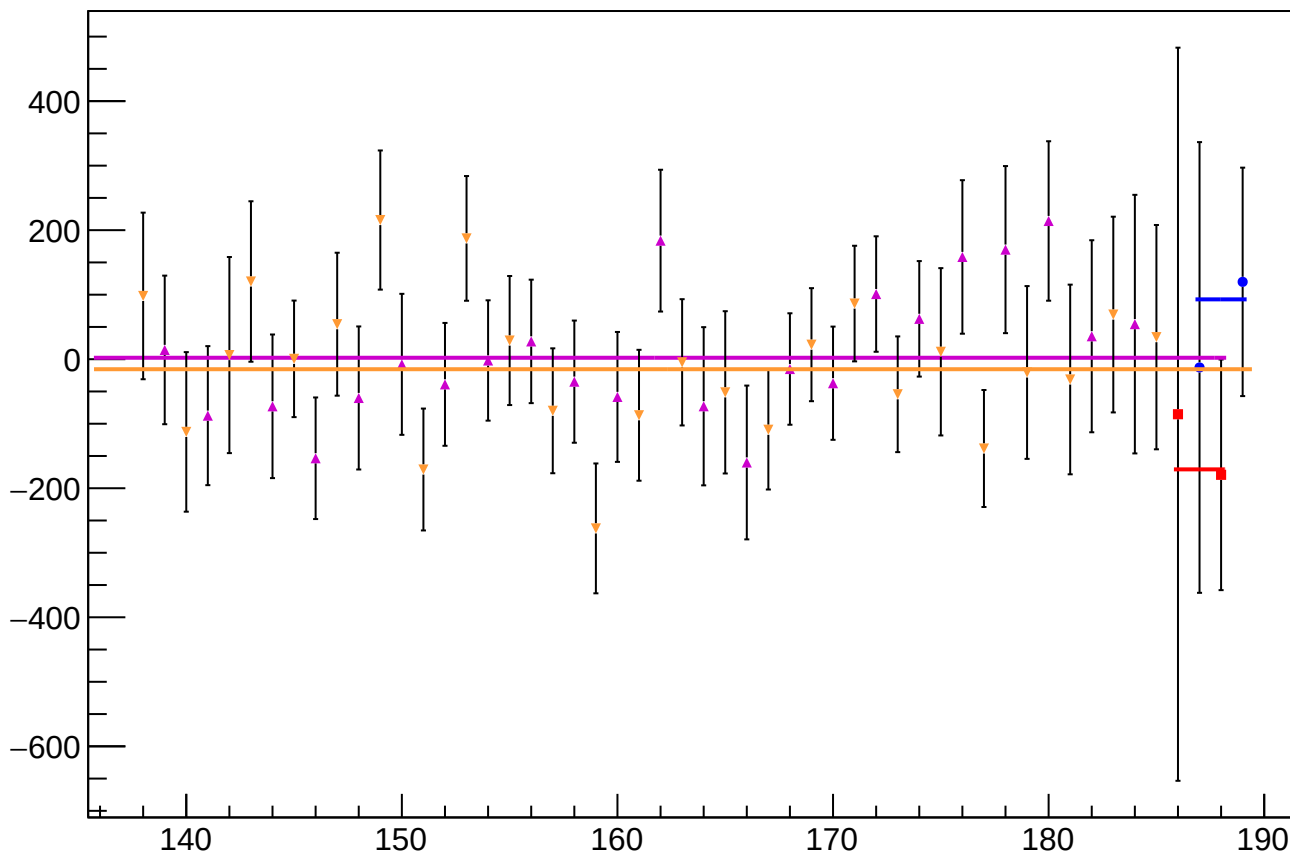
Right: 1119.236+/-0.662 χ^2/NDF : 114472.2/3

In: 299.964+/-0.051 χ^2/NDF :1877076.2/24

Out: 299.819+/-0.050 χ^2/NDF :2674273.4/26

All: 299.890+/-0.036 χ^2/NDF : 4551353.7/51

dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 92.743 $\pm$ 157.910 χ^2 /NDF: 0.1/1

Left Out: -15.520 $\pm$ 21.475 χ^2 /NDF:27.0/24

Right Out: -170.753 $\pm$ 170.476 χ^2 /NDF: 0.0/1

Left In: 2.238 $\pm$ 22.012 χ^2 /NDF:18.3/22

Left: -6.860 $\pm$ 15.371 χ^2 /NDF: 45.6/47

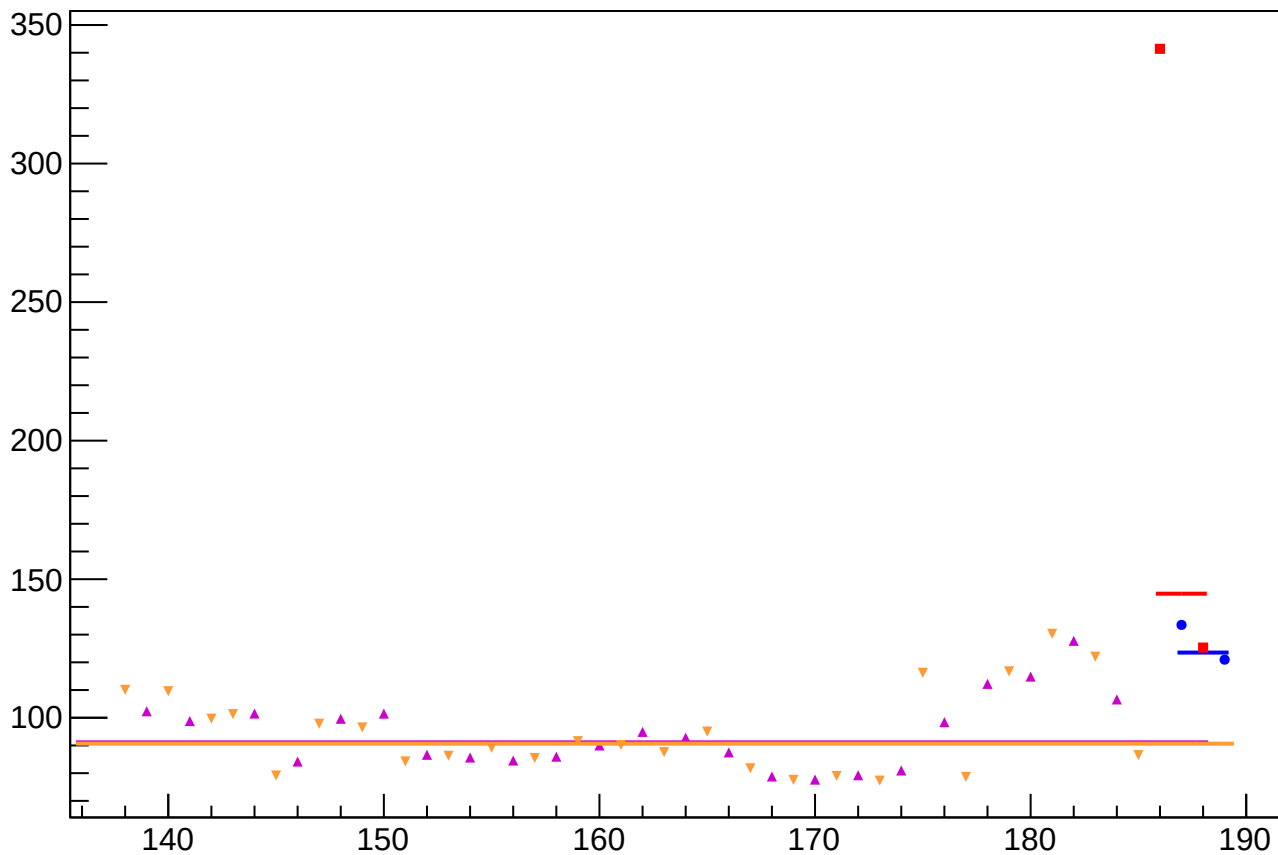
Right: -28.937 $\pm$ 115.847 χ^2 /NDF: 1.4/3

In: 3.963 $\pm$ 21.801 χ^2 /NDF:18.8/24

Out: -17.945 $\pm$ 21.307 χ^2 /NDF:27.8/26

All: -7.242 $\pm$ 15.238 χ^2 /NDF: 47.1/51

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 123.522 $\pm$ 0.112 χ^2 /NDF: 2052.5/1

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

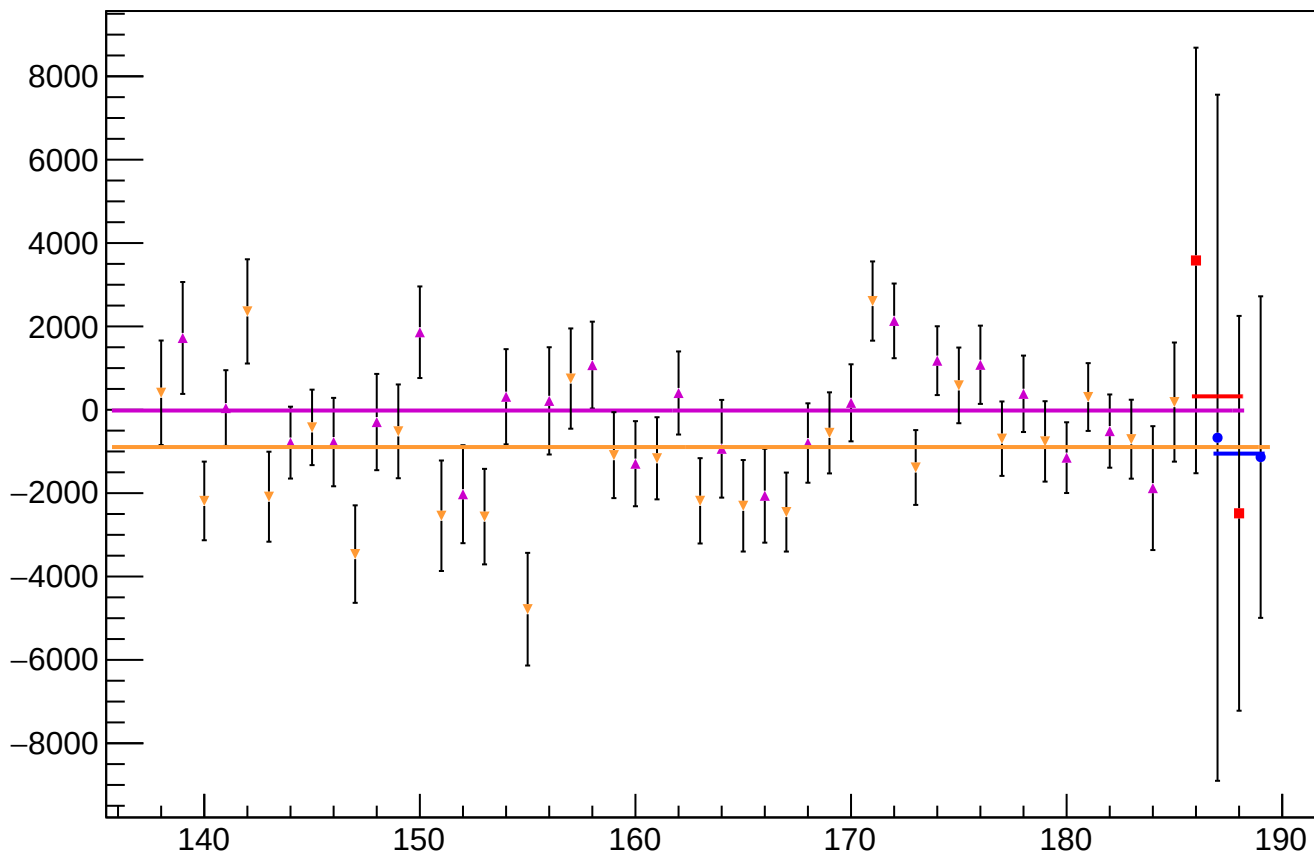
Right: 133.335 $\pm$ 0.082 χ^2 /NDF: 282088.2/3

In: 91.738 $\pm$ 0.015 χ^2 /NDF: 619495.5/24

Out: 91.491 $\pm$ 0.015 χ^2 /NDF: 1208210.8/26

All: 91.612 $\pm$ 0.011 χ^2 /NDF: 1827838.1/51

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -1051.335 ± 3492.567 $\chi^2/\text{NDF}: 0.0/1$

Left Out: -893.973 ± 206.256 $\chi^2/\text{NDF}: 55.5/24$

Right Out: 322.224 ± 3471.791 $\chi^2/\text{NDF}: 0.8/1$

Left In: -17.607 ± 210.691 $\chi^2/\text{NDF}: 29.5/22$

Left: -465.111 ± 147.388 $\chi^2/\text{NDF}: 93.9/47$

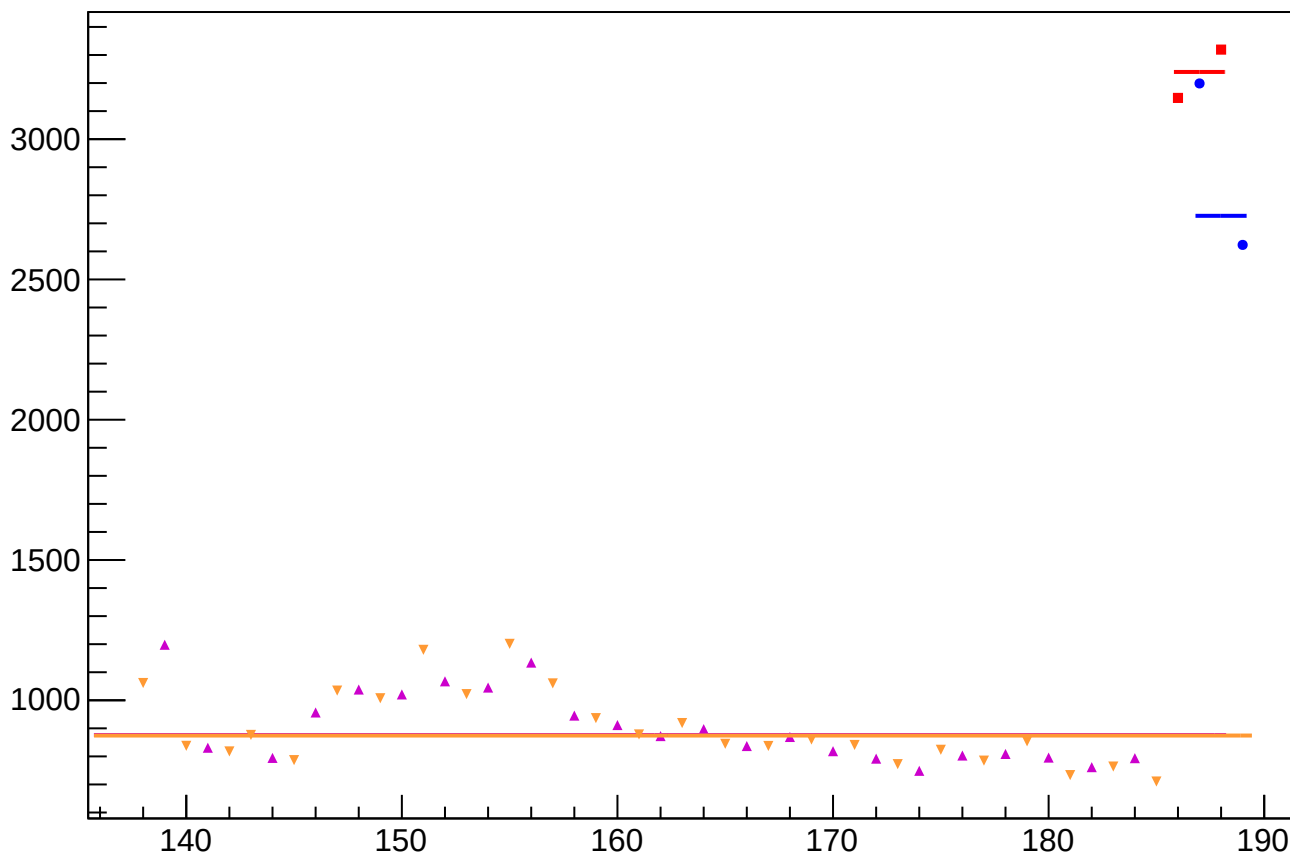
Right: -360.458 ± 2462.240 $\chi^2/\text{NDF}: 0.8/3$

In: -21.356 ± 210.309 $\chi^2/\text{NDF}: 29.6/24$

Out: -889.695 ± 205.893 $\chi^2/\text{NDF}: 56.4/26$

All: -464.738 ± 147.124 $\chi^2/\text{NDF}: 94.8/51$

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 2726.785+/-2.470 χ^2/NDF : 8018.0/1

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

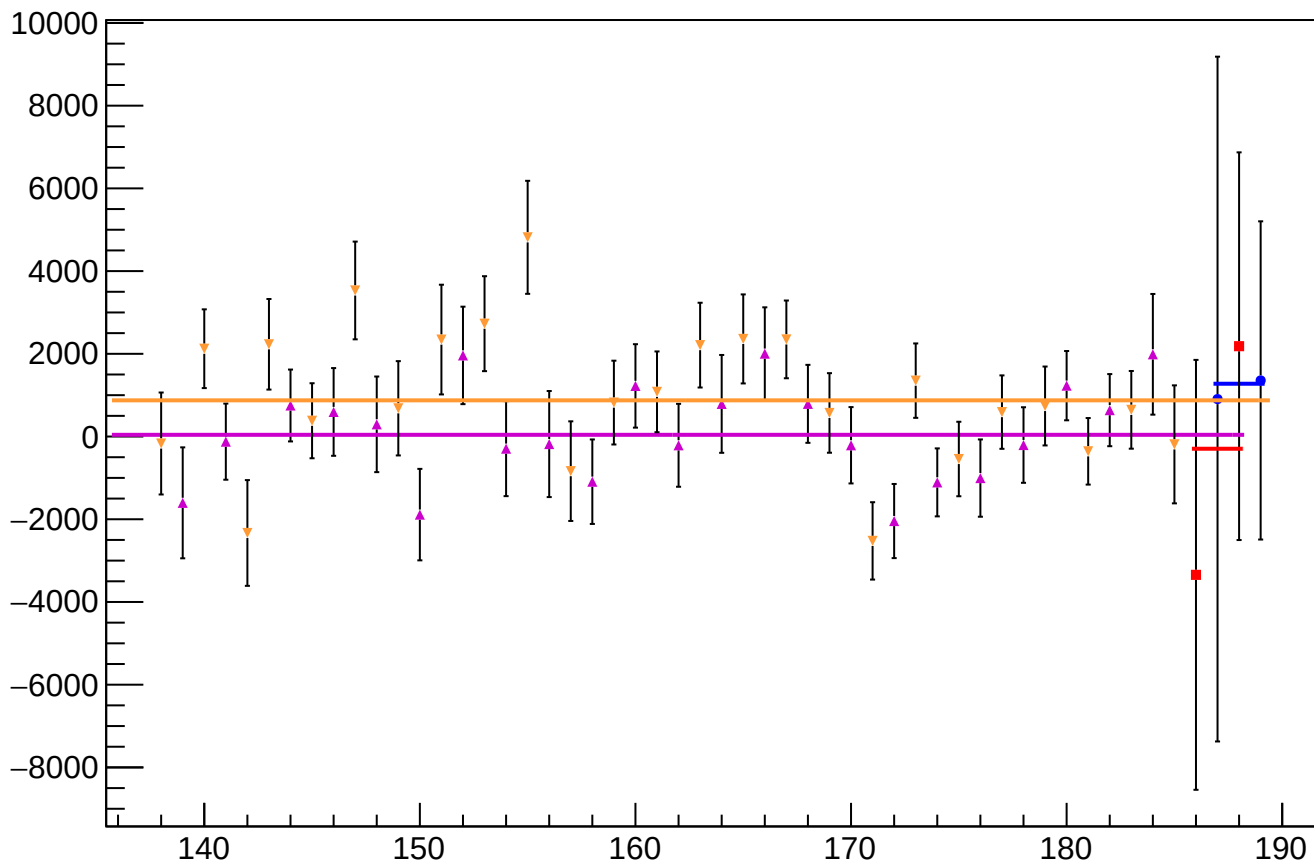
Right: 2984.698+/-1.741 χ^2/NDF : 30924.7/3

In: 883.015+/-0.149 χ^2/NDF : 1137100.5/24

Out: 882.682+/-0.146 χ^2/NDF : 1551664.1/26

All: 882.845+/-0.104 χ^2/NDF : 2688767.2/51

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1276.589 $\pm$ 3488.776 χ^2 /NDF: 0.0/1

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

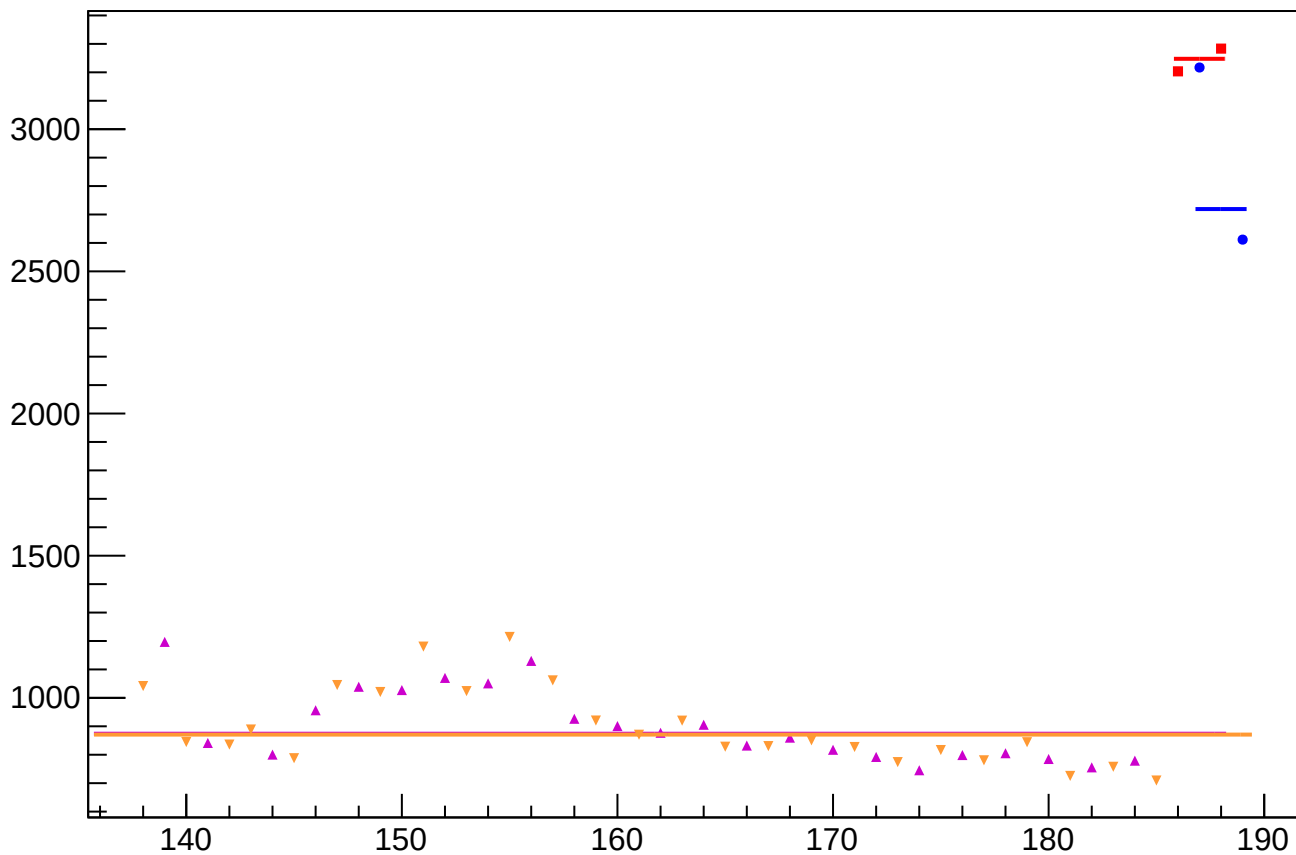
Right: 488.885 $\pm$ 2464.009 χ^2 /NDF: 0.7/3

In: 45.990 $\pm$ 209.828 χ^2 /NDF:28.3/24

Out: 871.016 $\pm$ 205.214 χ^2 /NDF:55.8/26

All: 467.673 $\pm$ 146.712 χ^2 /NDF: 92.0/51

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 2719.133+/-2.467 χ^2/NDF : 8793.3/1

Left Out: 870.853+/-0.145 χ^2/NDF : 651805.6/24

Right Out: 3247.539+/-2.461 χ^2/NDF : 261.0/1

Left In: 873.902+/-0.149 χ^2/NDF : 583344.5/22

Left: 872.344+/-0.104 χ^2/NDF : 1235365.2/47

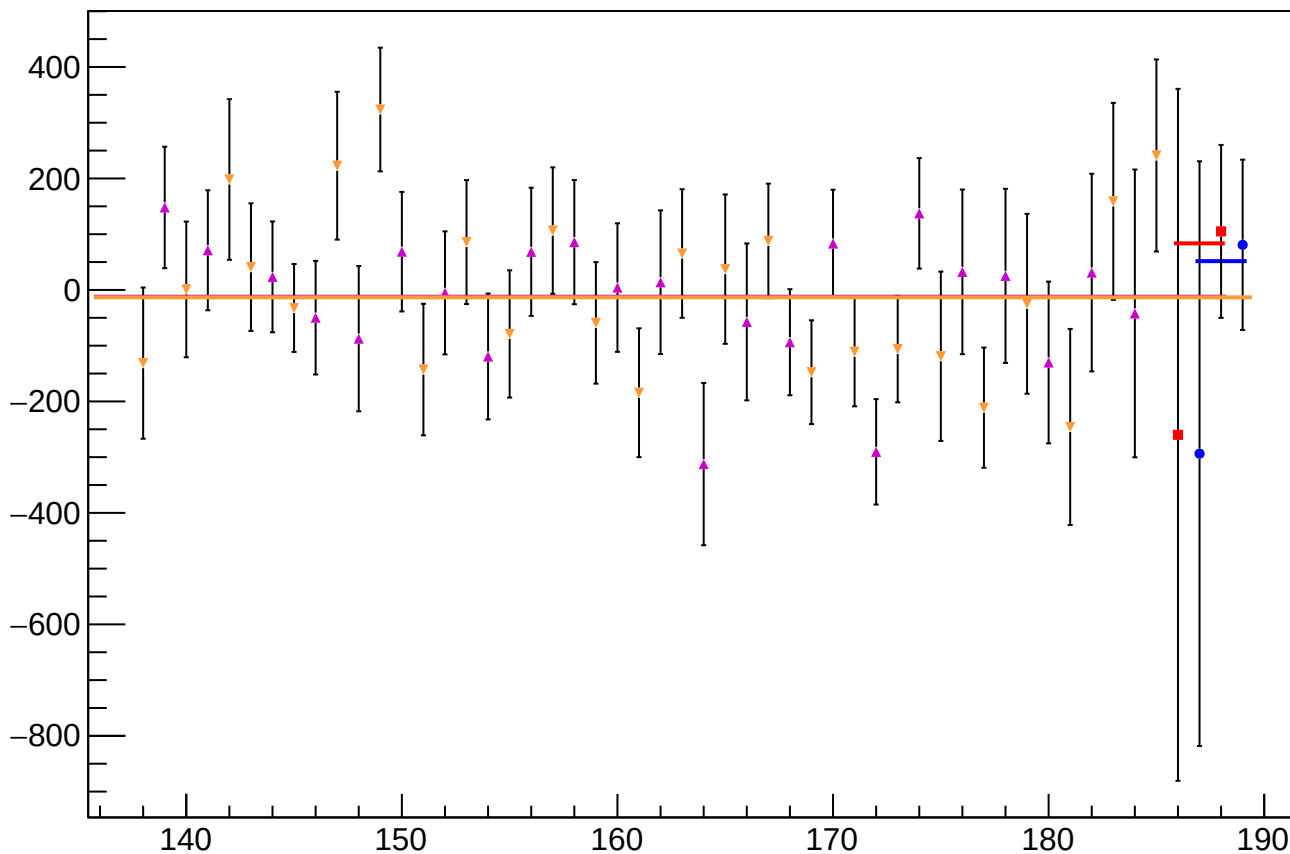
Right: 2983.962+/-1.742 χ^2/NDF : 32048.5/3

In: 880.577+/-0.148 χ^2/NDF : 1149594.6/24

Out: 879.115+/-0.145 χ^2/NDF : 1581408.8/26

All: 879.830+/-0.104 χ^2/NDF : 2731053.0/51

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 51.636 $\pm$ 146.685 χ^2 /NDF: 0.5/1

Left Out: -13.337 $\pm$ 23.361 χ^2 /NDF:35.8/24

Right Out: 83.567 $\pm$ 150.500 χ^2 /NDF: 0.3/1

Left In: -12.180 $\pm$ 24.424 χ^2 /NDF:24.1/22

Left: -12.785 $\pm$ 16.882 χ^2 /NDF: 59.8/47

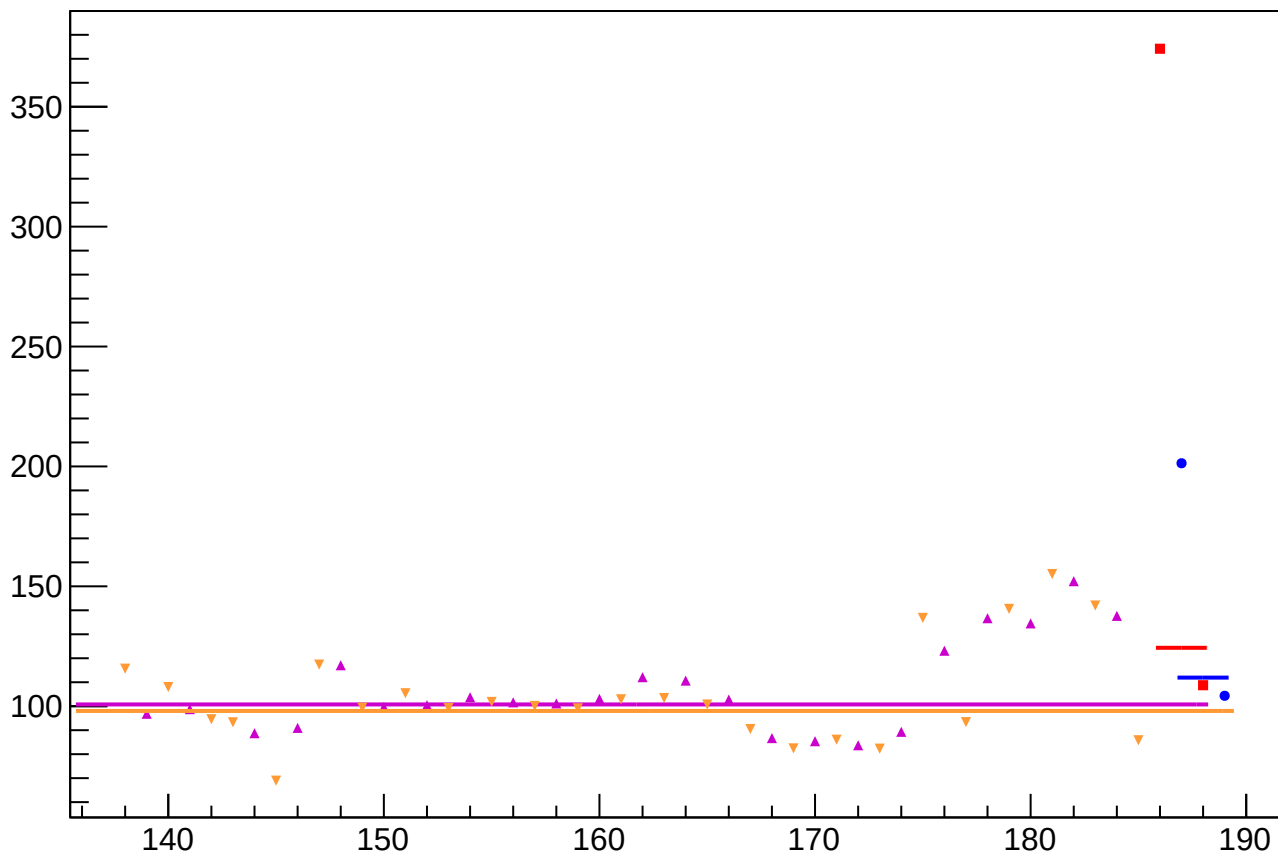
Right: 67.192 $\pm$ 105.045 χ^2 /NDF: 0.8/3

In: -10.459 $\pm$ 24.092 χ^2 /NDF:24.7/24

Out: -11.057 $\pm$ 23.084 χ^2 /NDF:36.5/26

All: -10.771 $\pm$ 16.668 χ^2 /NDF: 61.2/51

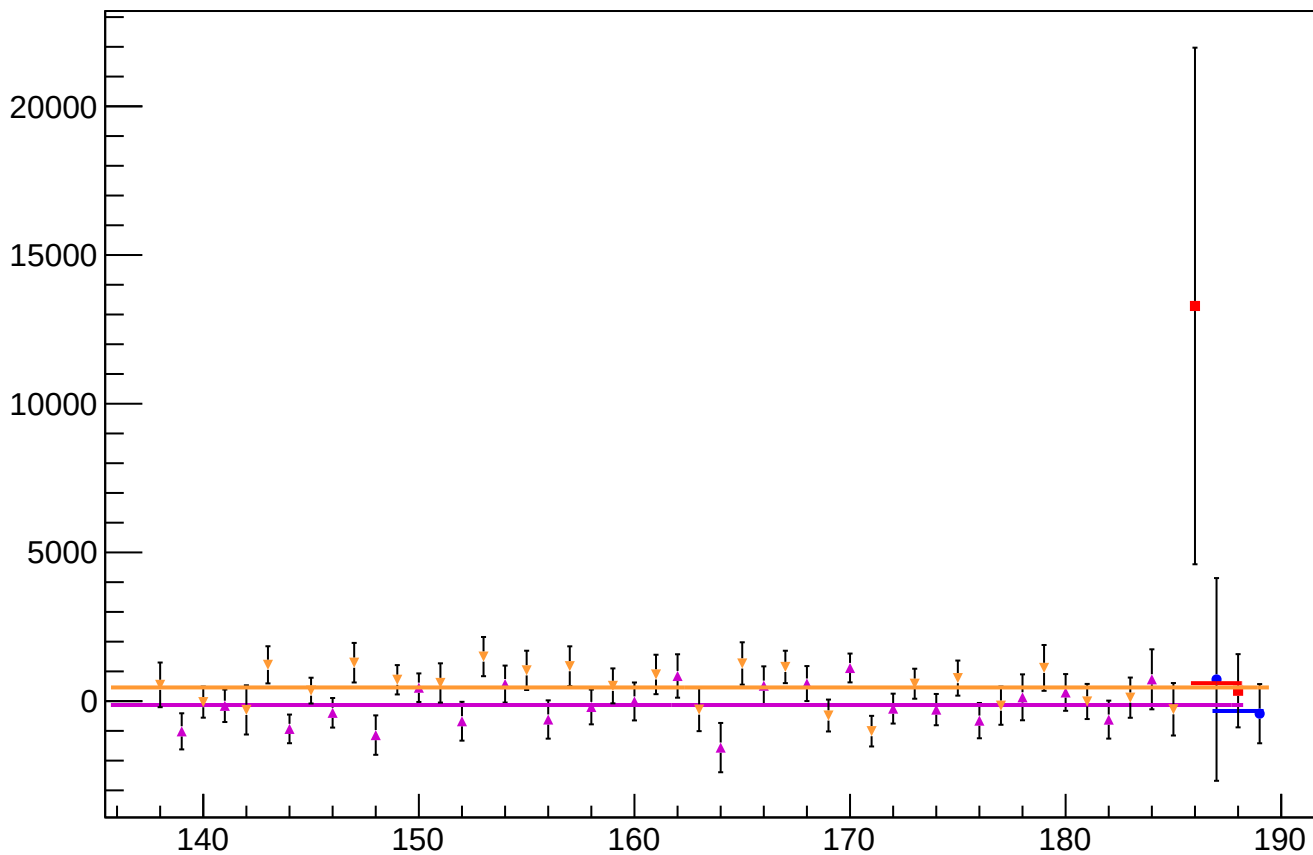
dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 111.935 $\pm$ 0.104 χ^2 /NDF: 63032.5/1
 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: 117.990 $\pm$ 0.074 χ^2 /NDF: 414308.3/3
 In: 101.045 $\pm$ 0.017 χ^2 /NDF:839494.8/24
 Out: 98.645 $\pm$ 0.016 χ^2 /NDF:1559848.7/26
 All: 99.793 $\pm$ 0.012 χ^2 /NDF: 2409689.7/51

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -330.999 $\pm$ 955.428 χ^2/NDF : 0.1/1

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

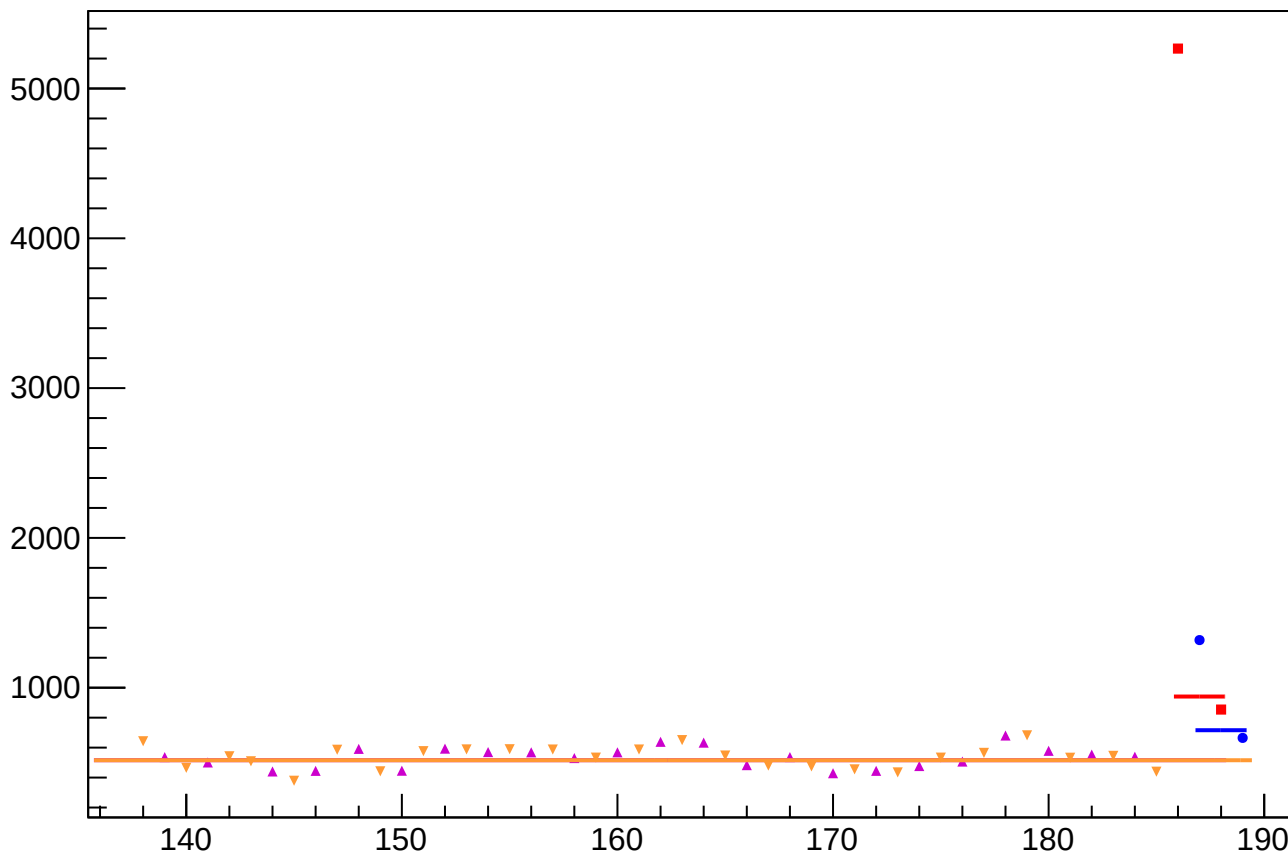
Right: 24.890 $\pm$ 751.955 χ^2/NDF : 2.6/3

In: -133.287 $\pm$ 123.208 χ^2/NDF : 28.5/24

Out: 461.850 $\pm$ 121.360 χ^2/NDF : 30.9/26

All: 168.777 $\pm$ 86.460 χ^2/NDF : 71.3/51

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 716.149+/-0.676 χ^2/NDF : 67664.8/1

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

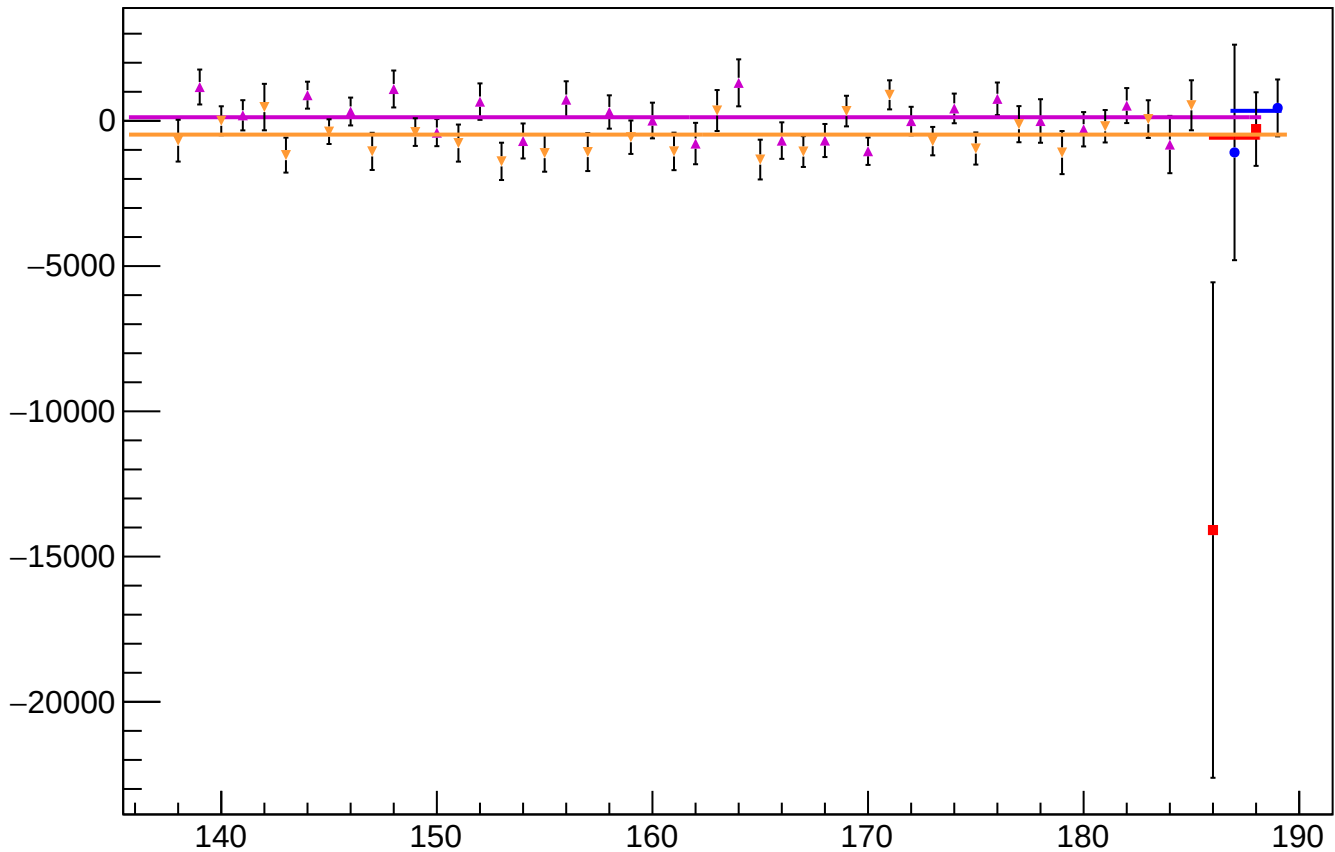
Right: 801.719+/-0.532 χ^2/NDF : 615896.8/3

In: 519.429+/-0.087 χ^2/NDF : 726860.6/24

Out: 519.963+/-0.086 χ^2/NDF : 1505887.0/26

All: 519.700+/-0.061 χ^2/NDF : 2232766.7/51

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 344.326 ± 947.183 χ^2/NDF : 0.2/1

Left Out: -473.870 ± 117.977 χ^2/NDF : 27.9/24

Right Out: -581.624 ± 1252.757 χ^2/NDF : 2.6/1

Left In: 124.022 ± 120.216 χ^2/NDF : 30.2/22

Left: -180.543 ± 84.203 χ^2/NDF : 70.7/47

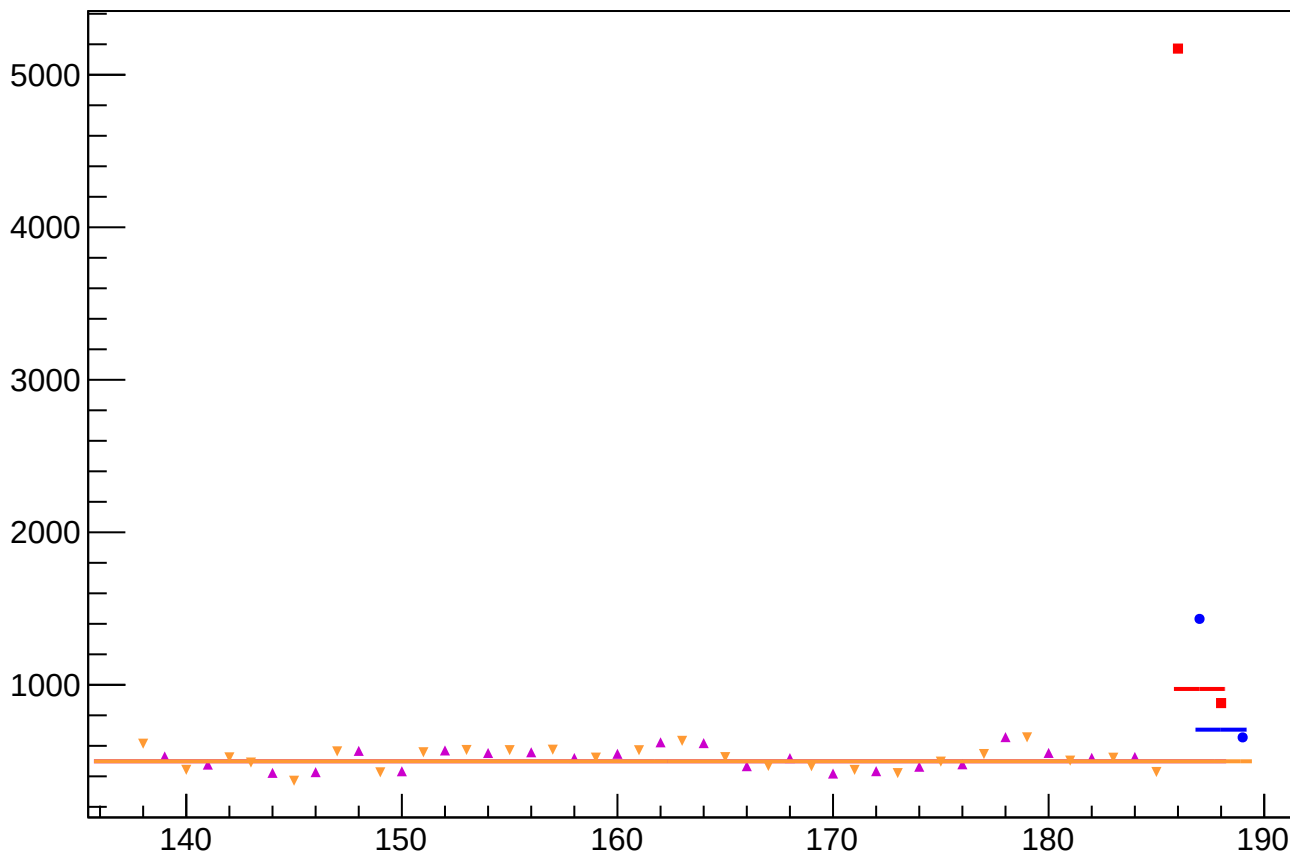
Right: 7.533 ± 755.536 χ^2/NDF : 3.1/3

In: 127.514 ± 119.259 χ^2/NDF : 30.4/24

Out: -474.818 ± 117.457 χ^2/NDF : 30.5/26

All: -178.236 ± 83.685 χ^2/NDF : 73.8/51

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 706.045 $\pm$ 0.670 χ^2 /NDF: 82030.2/1

Left Out: 498.662 $\pm$ 0.083 χ^2 /NDF: 734652.4/24

Right Out: 972.980 $\pm$ 0.886 χ^2 /NDF: 495461.7/1

Left In: 498.835 $\pm$ 0.085 χ^2 /NDF: 572334.3/22

Left: 498.747 $\pm$ 0.060 χ^2 /NDF: 1306988.8/47

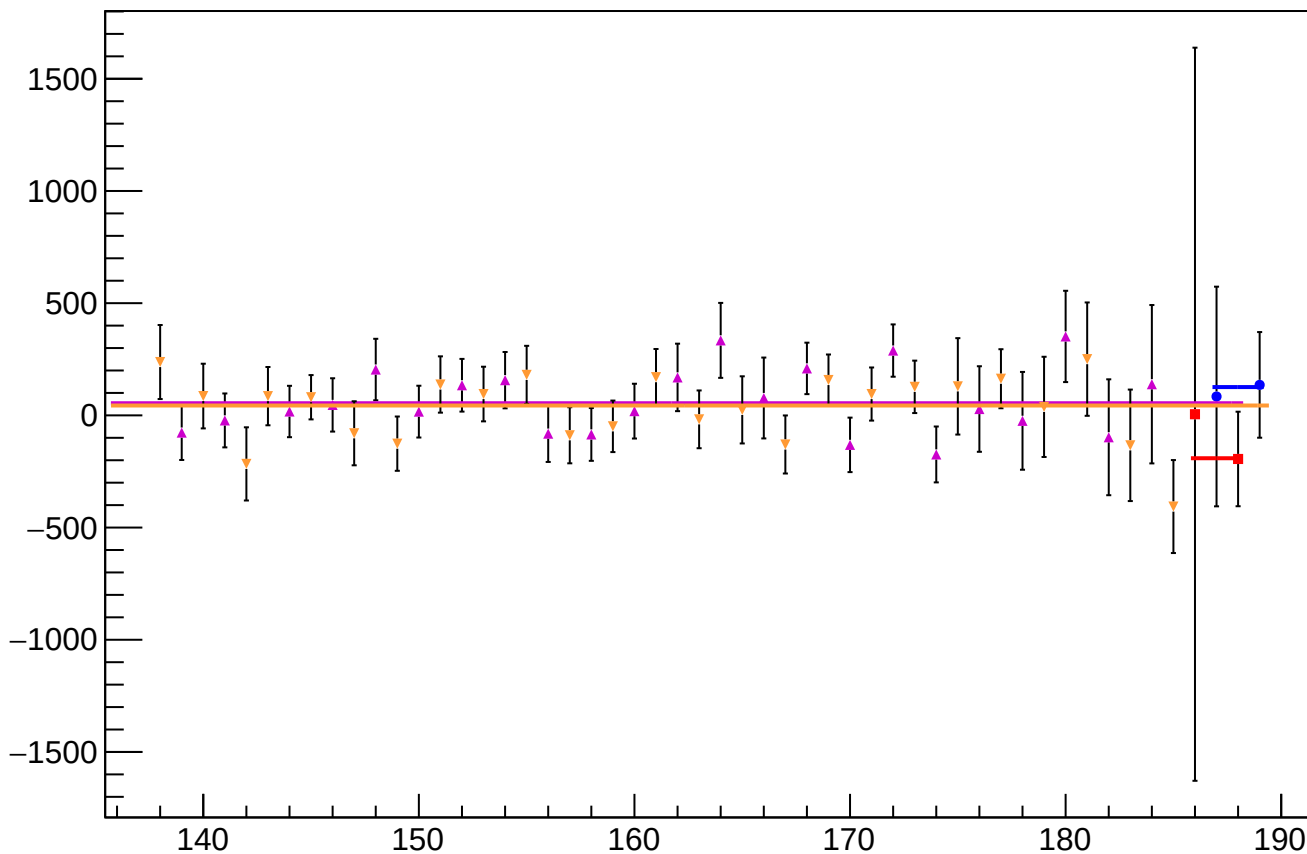
Right: 803.137 $\pm$ 0.534 χ^2 /NDF: 635267.8/3

In: 502.120 $\pm$ 0.084 χ^2 /NDF: 748563.4/24

Out: 502.832 $\pm$ 0.083 χ^2 /NDF: 1514297.7/26

All: 502.481 $\pm$ 0.059 χ^2 /NDF: 2262897.3/51

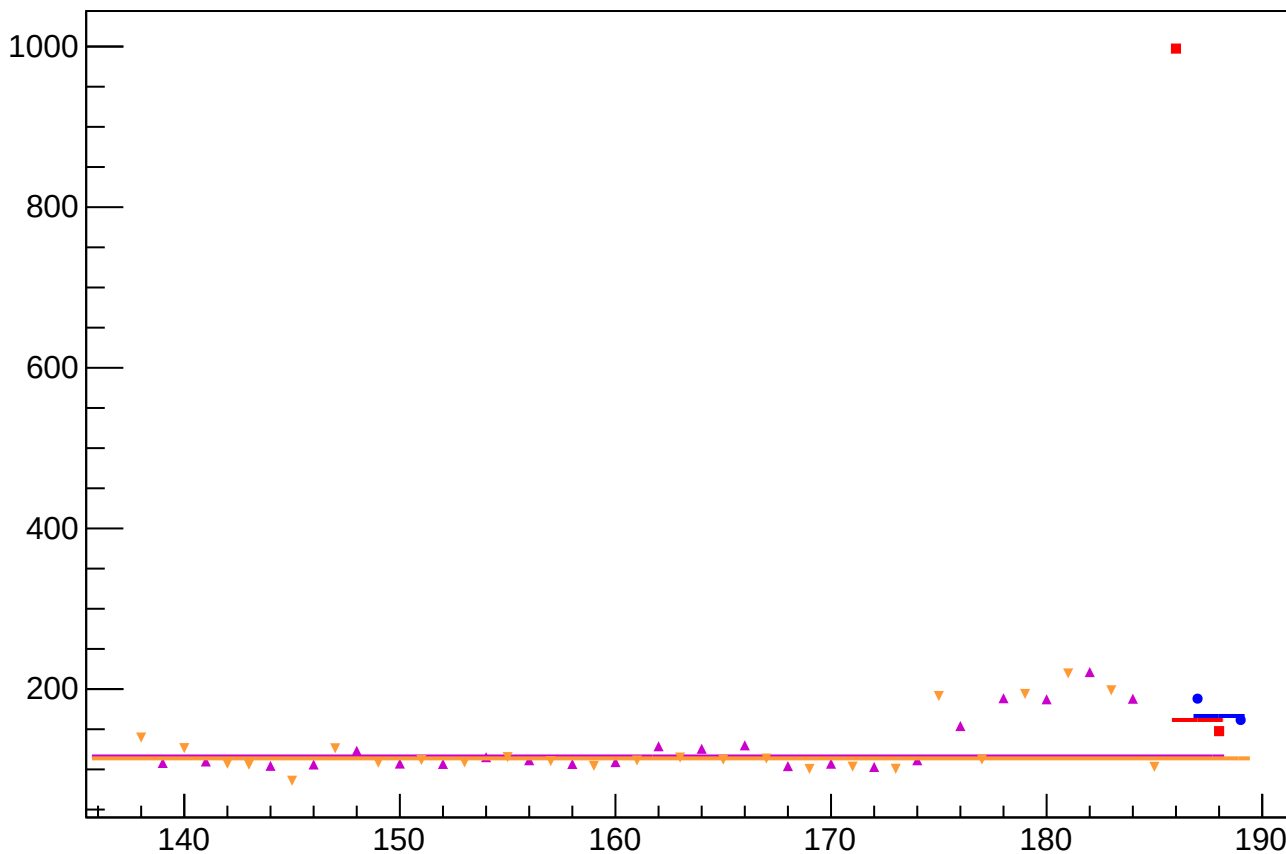
dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 126.103 $\pm$ 212.153 χ^2 /NDF: 0.0/1
 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: -34.921 $\pm$ 148.857 χ^2 /NDF: 1.2/3
 In: 55.343 $\pm$ 28.159 χ^2 /NDF:24.6/24
 Out: 39.985 $\pm$ 27.114 χ^2 /NDF:23.5/26
 All: 47.374 $\pm$ 19.531 χ^2 /NDF: 48.2/51

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 166.504 $\pm$ 0.150 χ^2 /NDF: 4789.2/1

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

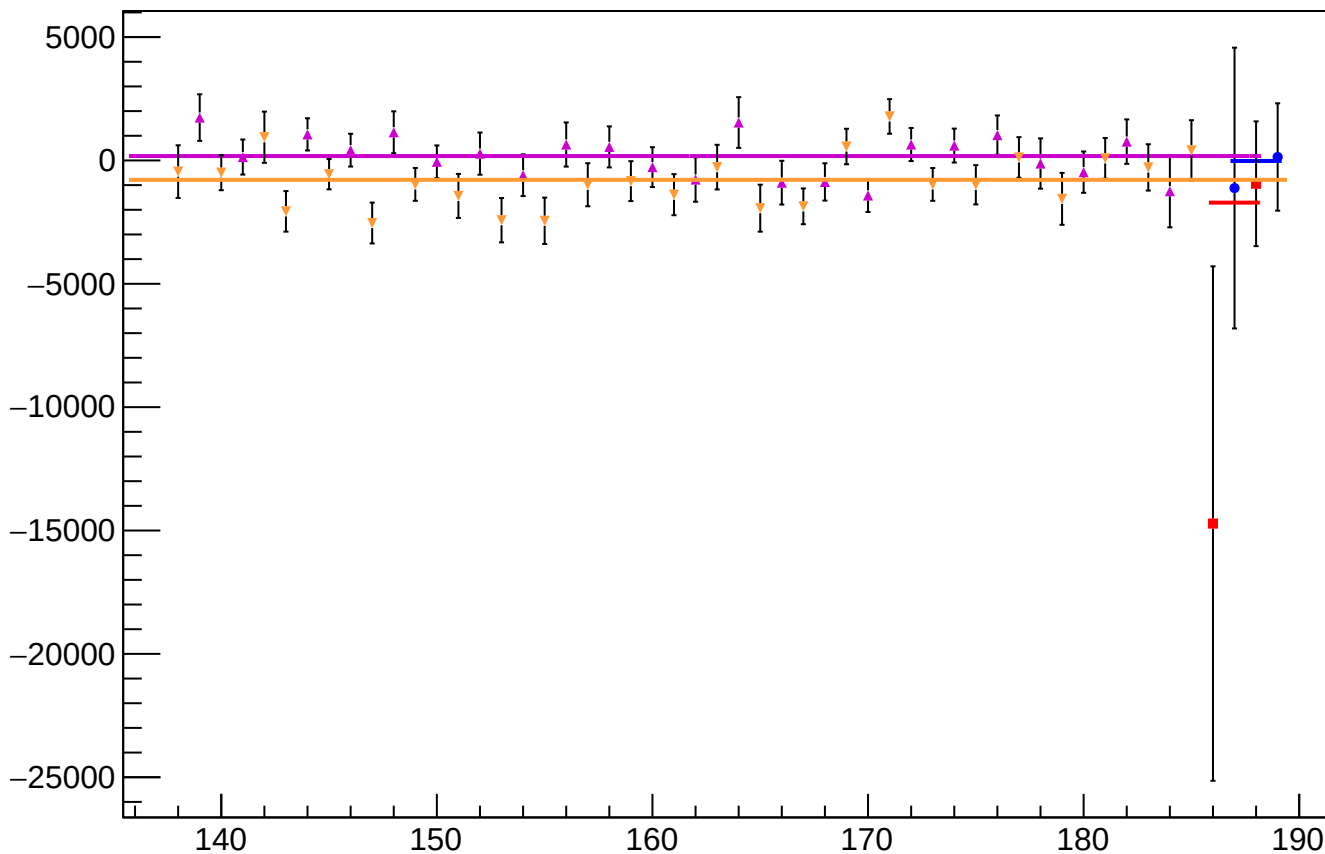
Right: 163.982 $\pm$ 0.105 χ^2 /NDF: 537723.1/3

In: 116.974 $\pm$ 0.020 χ^2 /NDF:1269456.3/24

Out: 114.542 $\pm$ 0.019 χ^2 /NDF:2084319.8/26

All: 115.712 $\pm$ 0.014 χ^2 /NDF: 3361518.7/51

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



Right In: -21.250 ± 2032.365 $\chi^2/\text{NDF}: 0.0/1$

Left Out: -786.017 ± 163.870 $\chi^2/\text{NDF}: 42.9/24$

Right Out: -1709.516 ± 2456.916 $\chi^2/\text{NDF}: 1.6/1$

Left In: 178.145 ± 167.125 $\chi^2/\text{NDF}: 23.8/22$

Left: -313.418 ± 117.007 $\chi^2/\text{NDF}: 83.6/47$

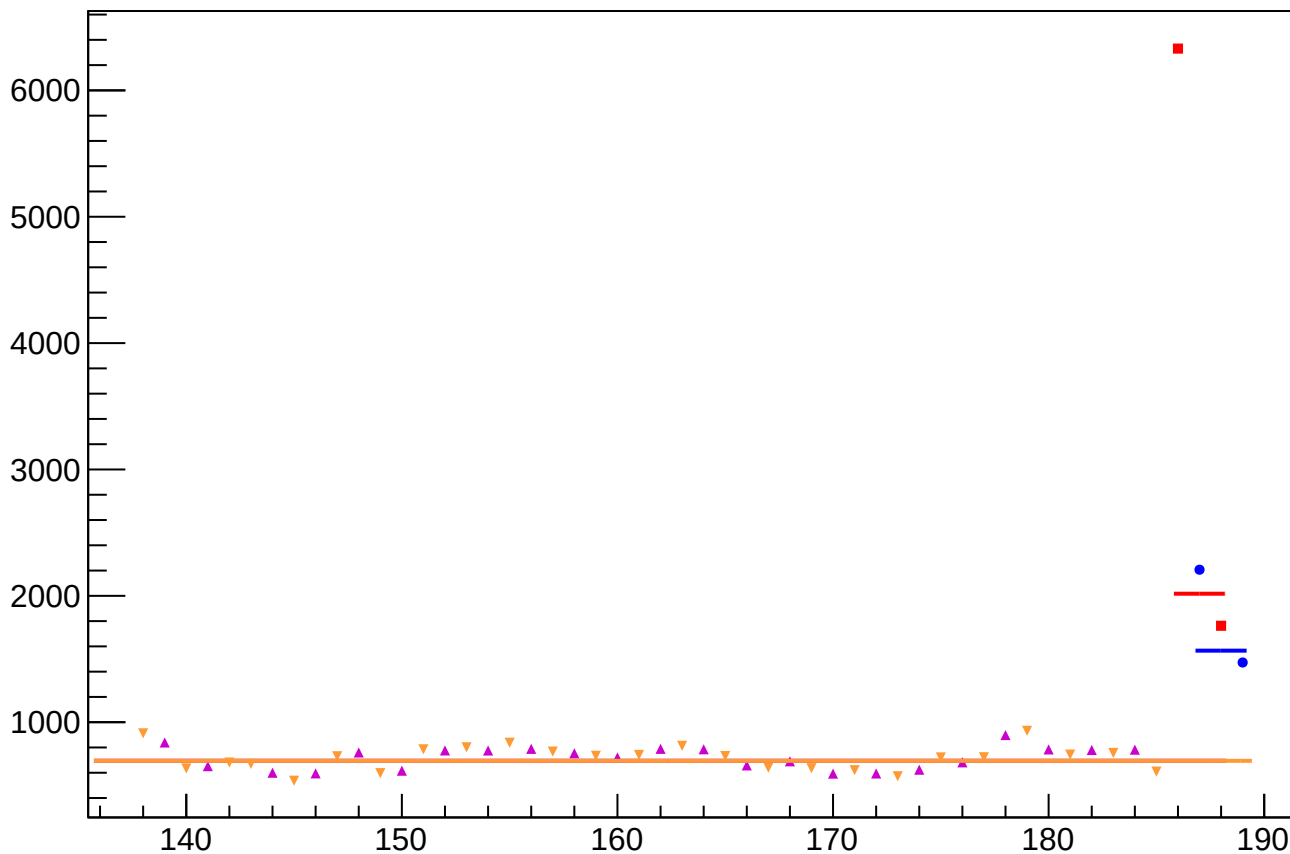
Right: -707.139 ± 1566.018 $\chi^2/\text{NDF}: 2.0/3$

In: 176.806 ± 166.563 $\chi^2/\text{NDF}: 23.8/24$

Out: -790.107 ± 163.506 $\chi^2/\text{NDF}: 44.7/26$

All: -315.604 ± 116.682 $\chi^2/\text{NDF}: 85.6/51$

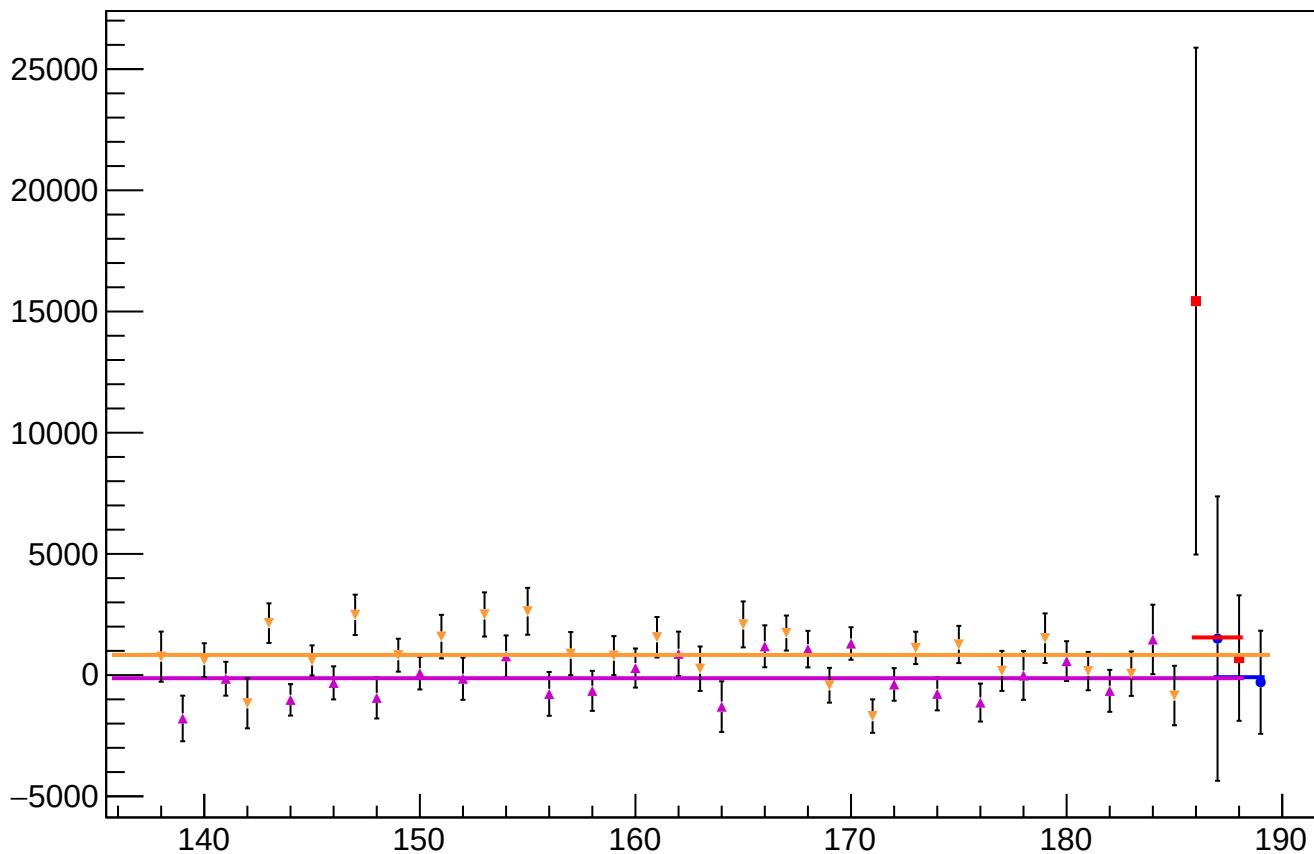
asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



Right In: 1566.213+/-1.437 χ^2/NDF : 29050.9/1
 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: 1749.293+/-1.107 χ^2/NDF : 431519.8/3
 In: 700.983+/-0.118 χ^2/NDF : 928734.0/24
 Out: 700.231+/-0.116 χ^2/NDF : 1622332.0/26
 All: 700.600+/-0.083 χ^2/NDF : 2551086.8/51

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: -86.056 ± 1999.529 χ^2/NDF : 0.1/1

Left Out: 832.553 ± 163.428 χ^2/NDF : 43.8/24

Right Out: 1554.375 ± 2513.346 χ^2/NDF : 1.9/1

Left In: -128.120 ± 166.866 χ^2/NDF : 25.3/22

Left: 362.214 ± 116.758 χ^2/NDF : 86.0/47

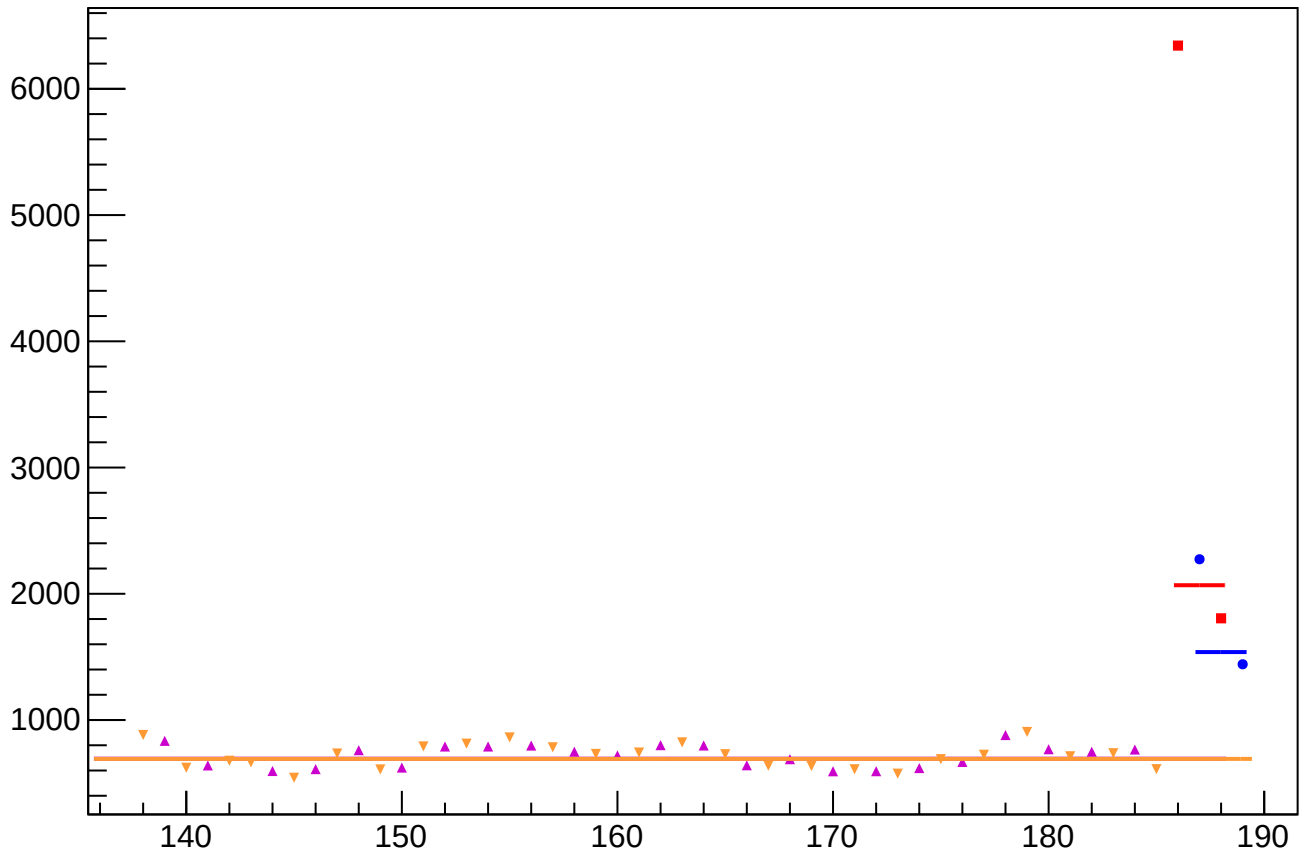
Right: 549.777 ± 1564.750 χ^2/NDF : 2.2/3

In: -127.829 ± 166.288 χ^2/NDF : 25.4/24

Out: 835.592 ± 163.084 χ^2/NDF : 45.8/26

All: 363.253 ± 116.434 χ^2/NDF : 88.2/51

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 1538.277+/-1.414 χ^2/NDF : 35542.6/1

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

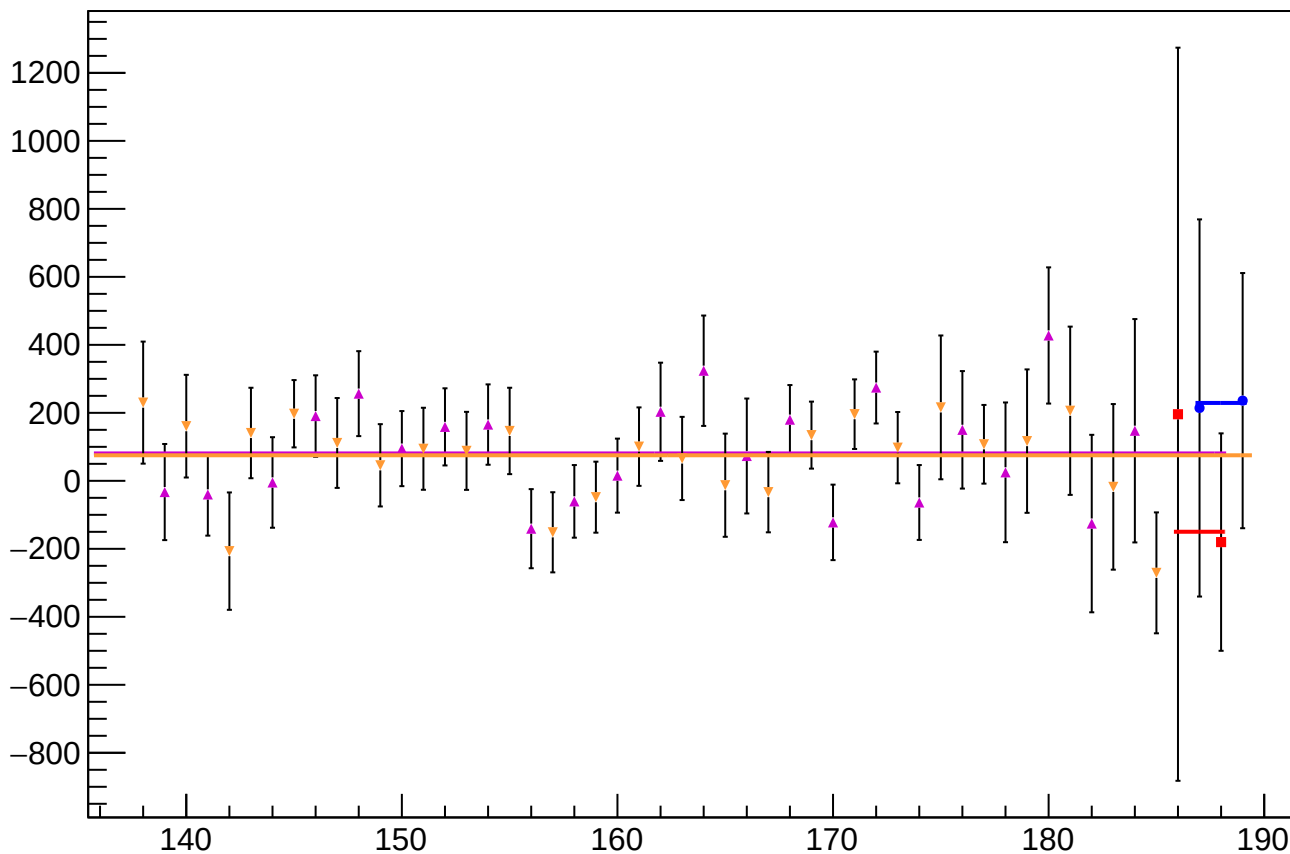
Right: 1743.533+/-1.106 χ^2/NDF : 444709.6/3

In: 699.457+/-0.118 χ^2/NDF : 910661.8/24

Out: 697.863+/-0.115 χ^2/NDF : 1609162.7/26

All: 698.645+/-0.082 χ^2/NDF : 2519918.2/51

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 229.128 $\pm$ 310.856 χ^2 /NDF: 0.0/1

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

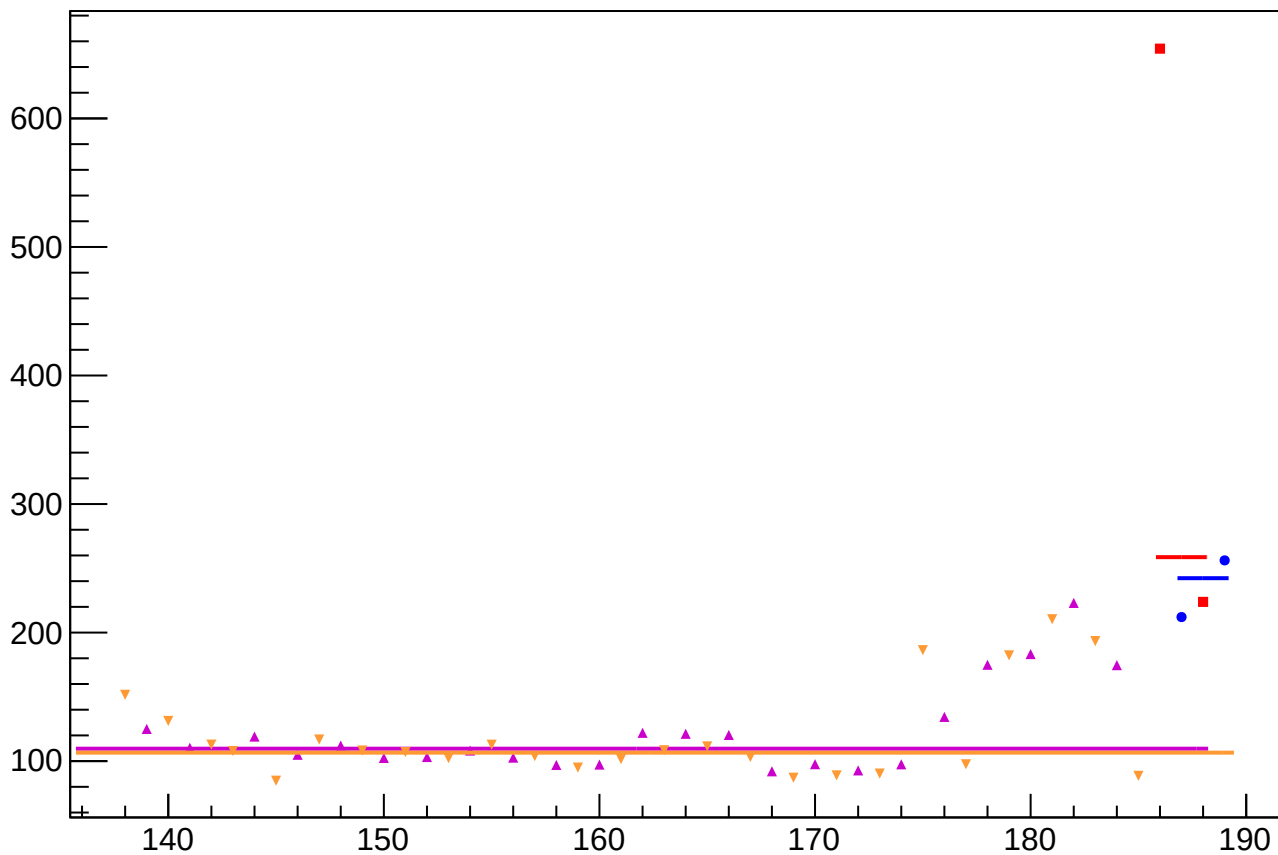
Right: 37.062 $\pm$ 218.288 χ^2 /NDF: 0.9/3

In: 81.700 $\pm$ 26.996 χ^2 /NDF:28.1/24

Out: 73.569 $\pm$ 25.787 χ^2 /NDF:19.5/26

All: 77.448 $\pm$ 18.647 χ^2 /NDF: 47.6/51

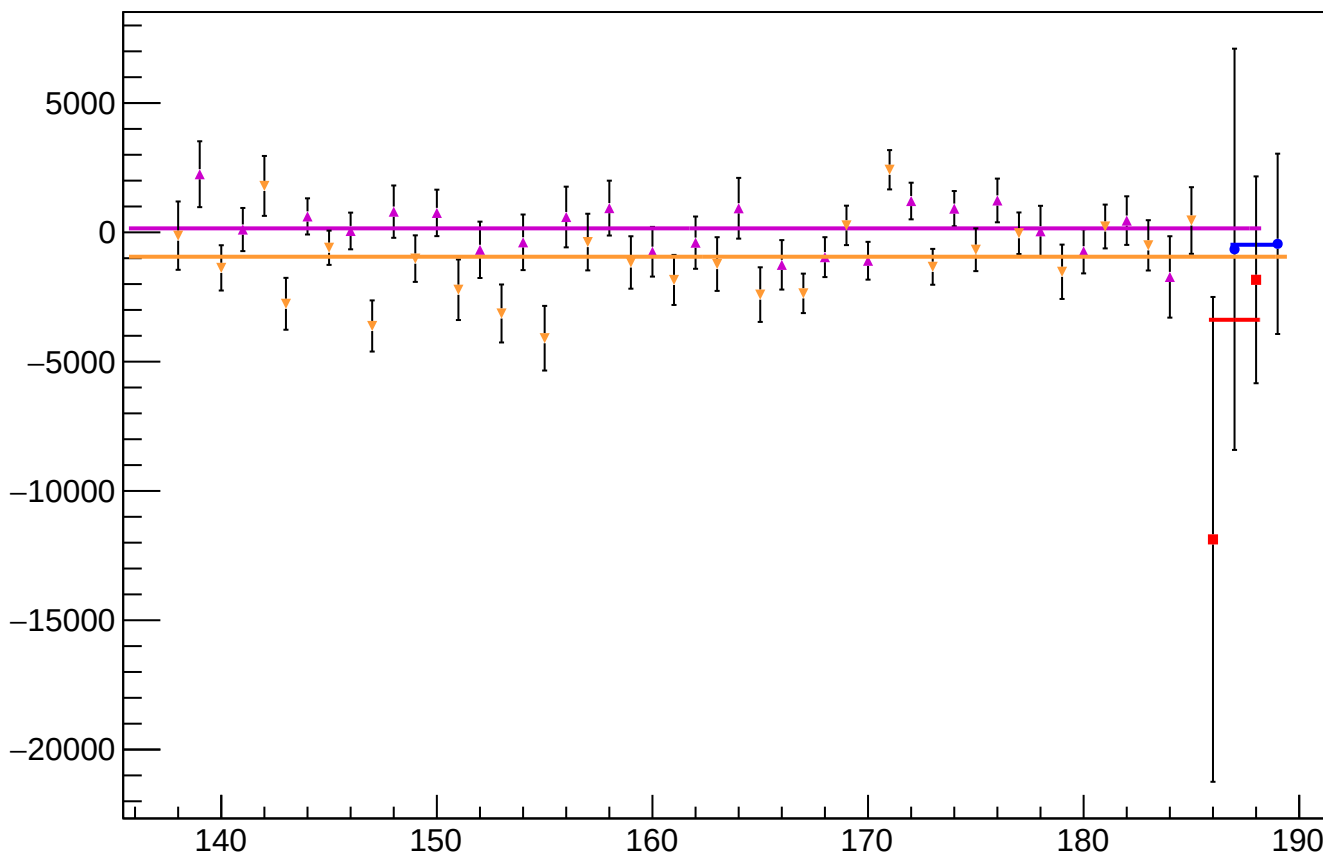
dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 242.323 $\pm$ 0.220 χ^2 /NDF: 8667.5/1
 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: 250.616 $\pm$ 0.154 χ^2 /NDF: 304376.9/3
 In: 110.672 $\pm$ 0.019 χ^2 /NDF: 1644353.1/24
 Out: 107.660 $\pm$ 0.018 χ^2 /NDF: 2480824.9/26
 All: 109.097 $\pm$ 0.013 χ^2 /NDF: 4138202.1/51

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



Right In: -479.685+/-3180.128 χ^2/NDF : 0.0/1

Left Out: -942.636+/-184.948 χ^2/NDF : 62.5/24

Right Out: -3381.171+/-3678.573 χ^2/NDF : 1.0/1

Left In: 153.898+/-187.179 χ^2/NDF : 22.1/22

Left: -400.943+/-131.560 χ^2/NDF : 102.0/47

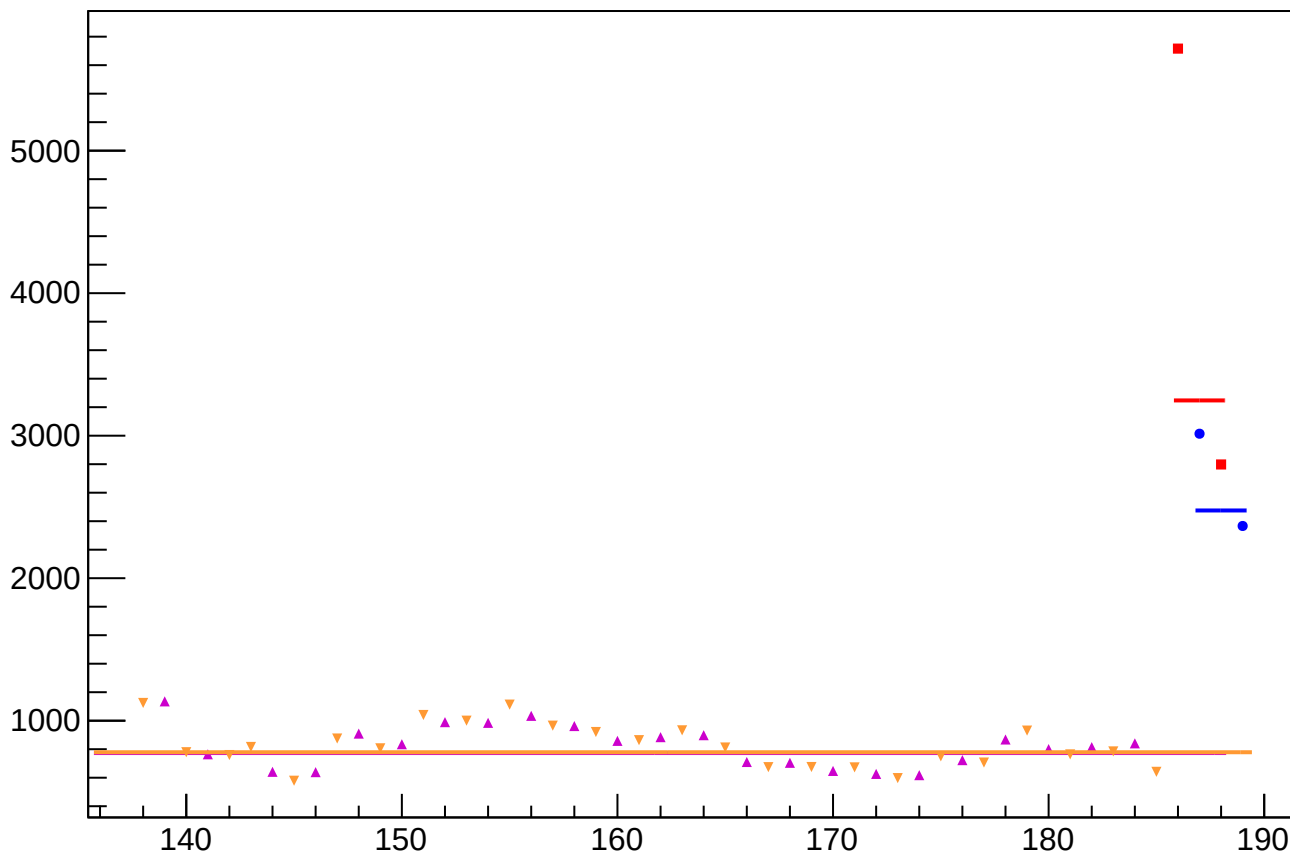
Right: -1720.675+/-2405.765 χ^2/NDF : 1.3/3

In: 151.710+/-186.856 χ^2/NDF : 22.1/24

Out: -948.785+/-184.715 χ^2/NDF : 63.9/26

All: -404.878+/-131.363 χ^2/NDF : 103.6/51

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



Right In: 2475.266+/-2.249 χ^2/NDF : 11586.7/1

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

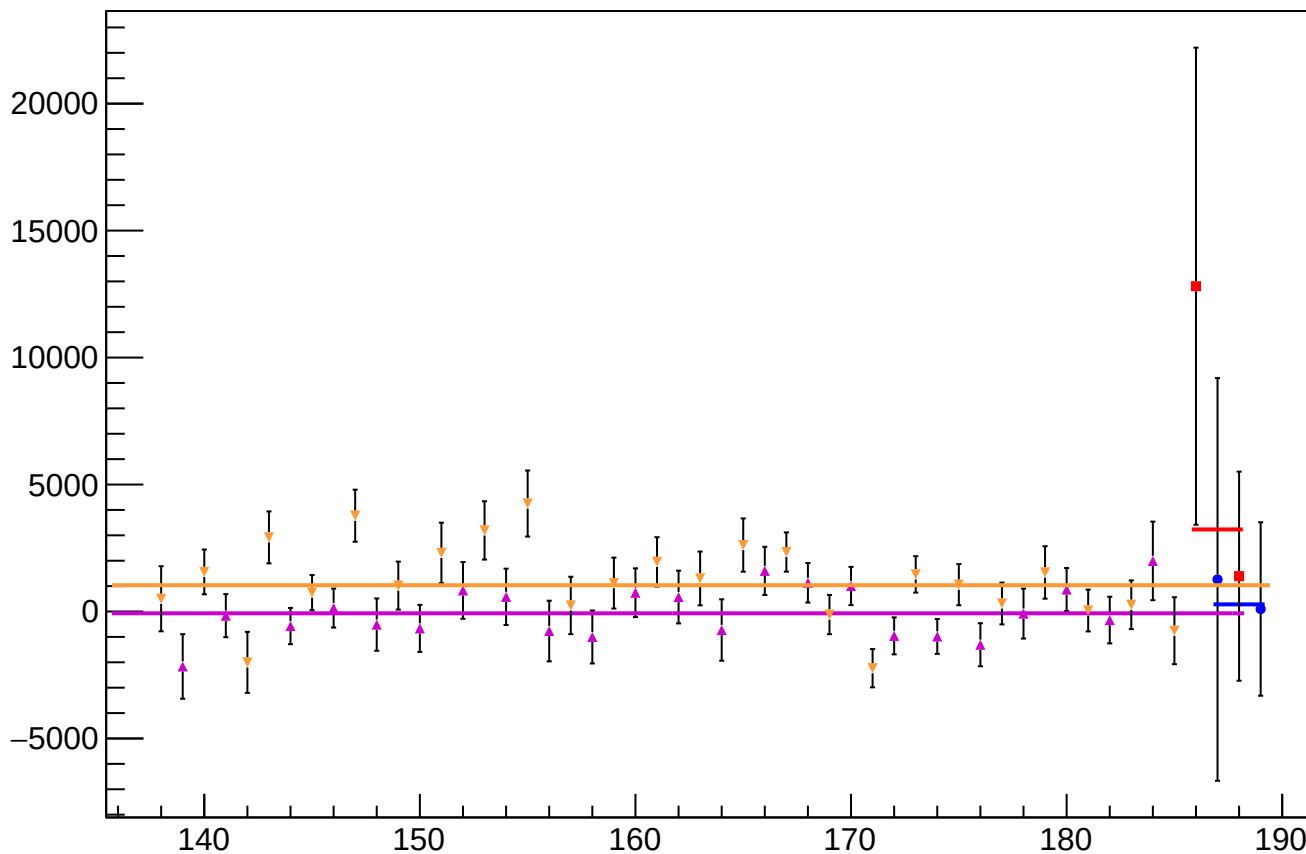
Right: 2805.533+/-1.701 χ^2/NDF : 225975.3/3

In: 778.988+/-0.132 χ^2/NDF :1623629.9/24

Out: 785.000+/-0.131 χ^2/NDF :2219459.3/26

All: 782.029+/-0.093 χ^2/NDF : 3844136.5/51

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 281.028+/-3136.701 χ^2/NDF : 0.0/1

Left Out: 1035.605+/-187.244 χ^2/NDF : 61.4/24

Right Out: 3231.481+/-3770.928 χ^2/NDF : 1.2/1

Left In: -70.852+/-190.155 χ^2/NDF : 23.4/22

Left: 490.913+/-133.419 χ^2/NDF : 101.9/47

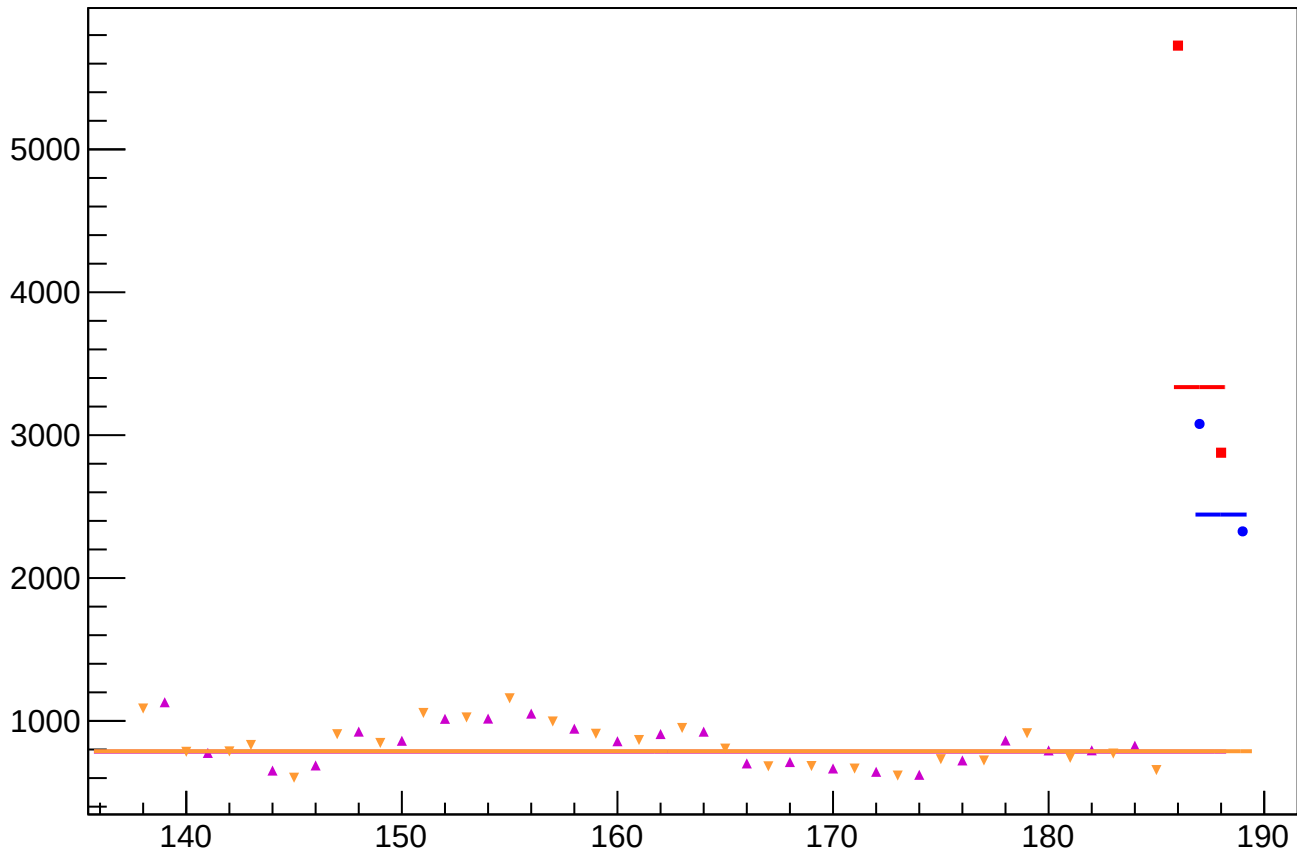
Right: 1487.622+/-2411.485 χ^2/NDF : 1.6/3

In: -69.563+/-189.807 χ^2/NDF : 23.4/24

Out: 1041.005+/-187.013 χ^2/NDF : 62.9/26

All: 493.955+/-133.215 χ^2/NDF : 103.7/51

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 2444.230+/-2.218 χ^2/NDF : 15169.7/1

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

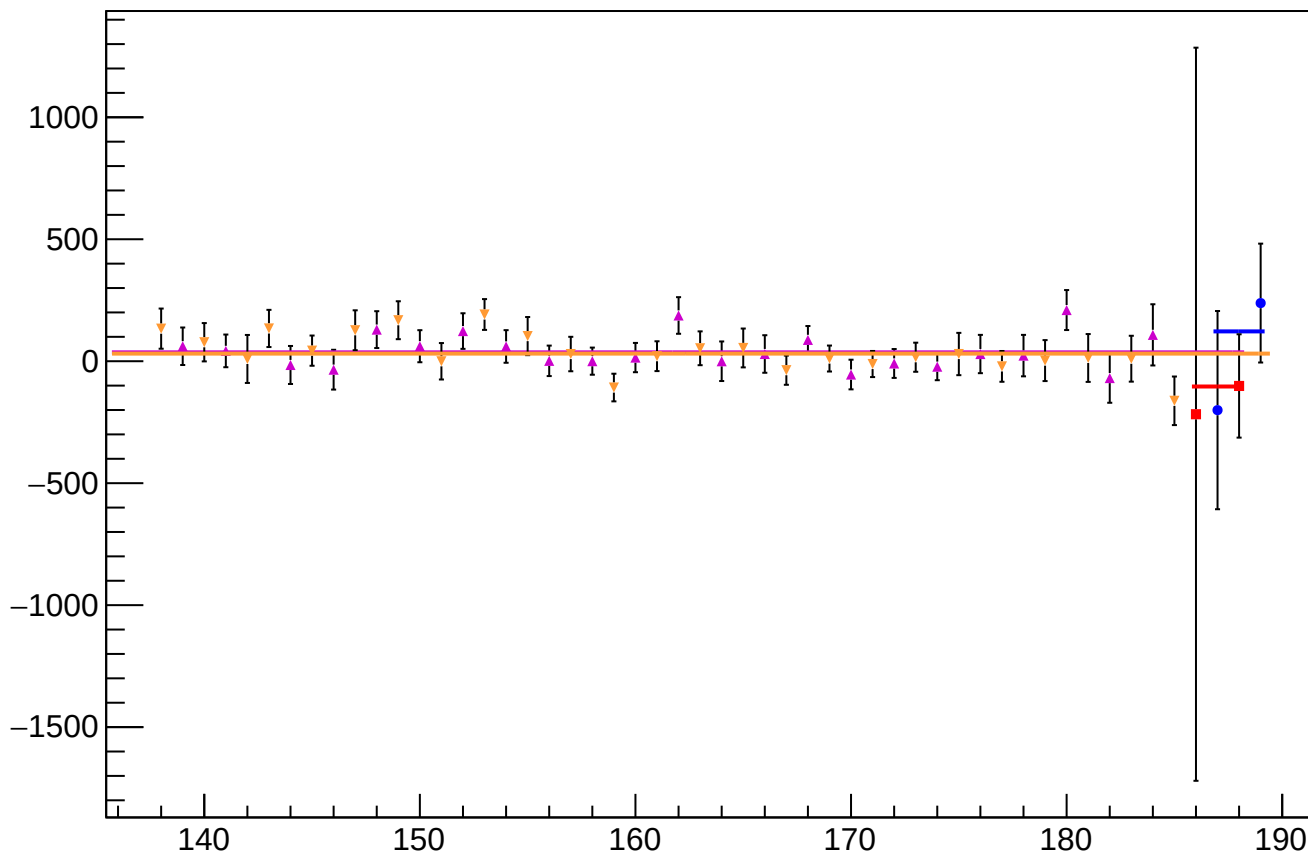
Right: 2809.019+/-1.705 χ^2/NDF : 235645.5/3

In: 791.254+/-0.134 χ^2/NDF :1549567.1/24

Out: 794.249+/-0.132 χ^2/NDF :2179385.2/26

All: 792.773+/-0.094 χ^2/NDF : 3729205.0/51

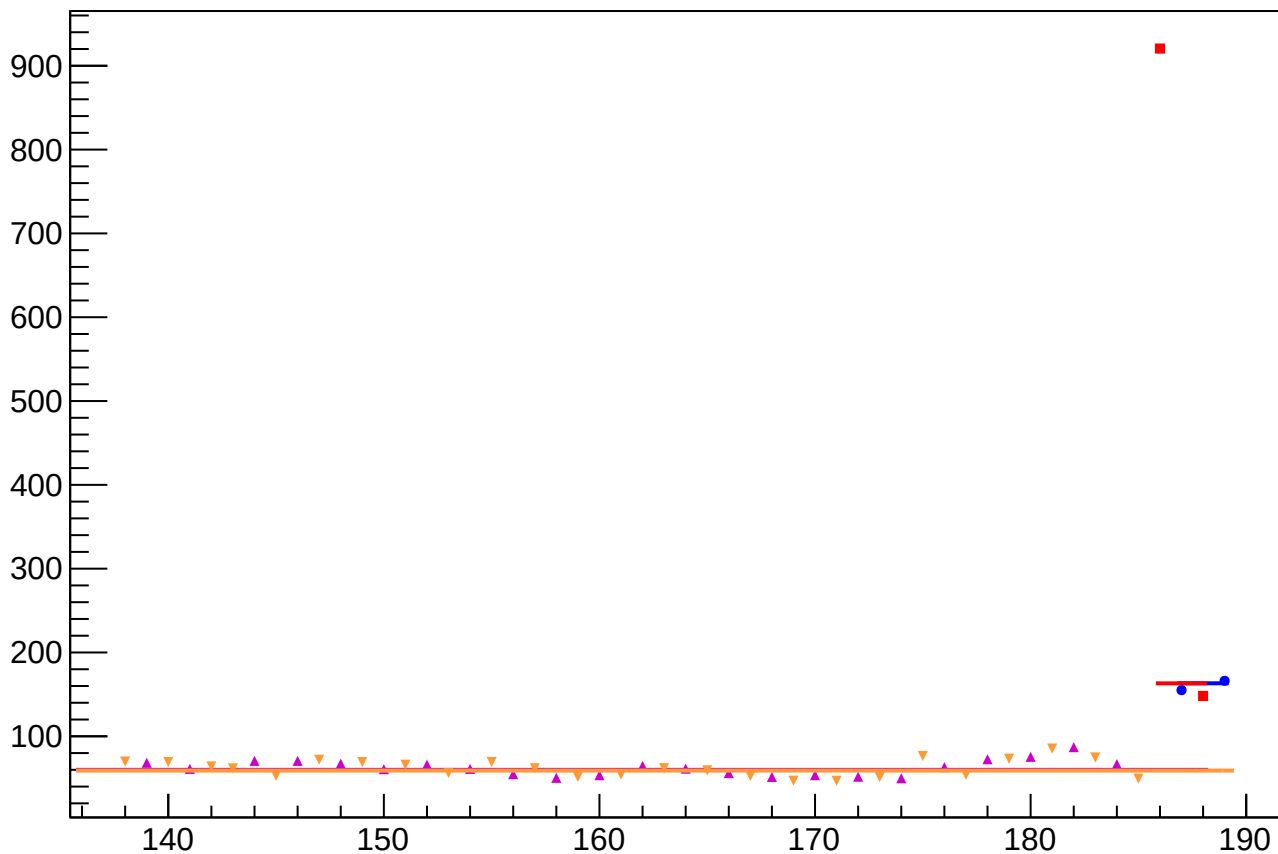
dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 122.261 $\pm$ 208.964 χ^2 /NDF: 0.9/1
 Left Out: 31.190 $\pm$ 14.134 χ^2 /NDF:28.8/24
 Right Out: -103.674 $\pm$ 209.733 χ^2 /NDF: 0.0/1
 Left In: 36.408 $\pm$ 14.614 χ^2 /NDF:20.4/22

Left: 33.712 $\pm$ 10.160 χ^2 /NDF: 49.2/47
 Right: 9.709 $\pm$ 148.031 χ^2 /NDF: 1.4/3
 In: 36.825 $\pm$ 14.579 χ^2 /NDF:21.4/24
 Out: 30.580 $\pm$ 14.102 χ^2 /NDF:29.2/26
 All: 33.599 $\pm$ 10.136 χ^2 /NDF: 50.7/51

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 163.235 $\pm$ 0.148 χ^2 /NDF: 1106.3/1

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

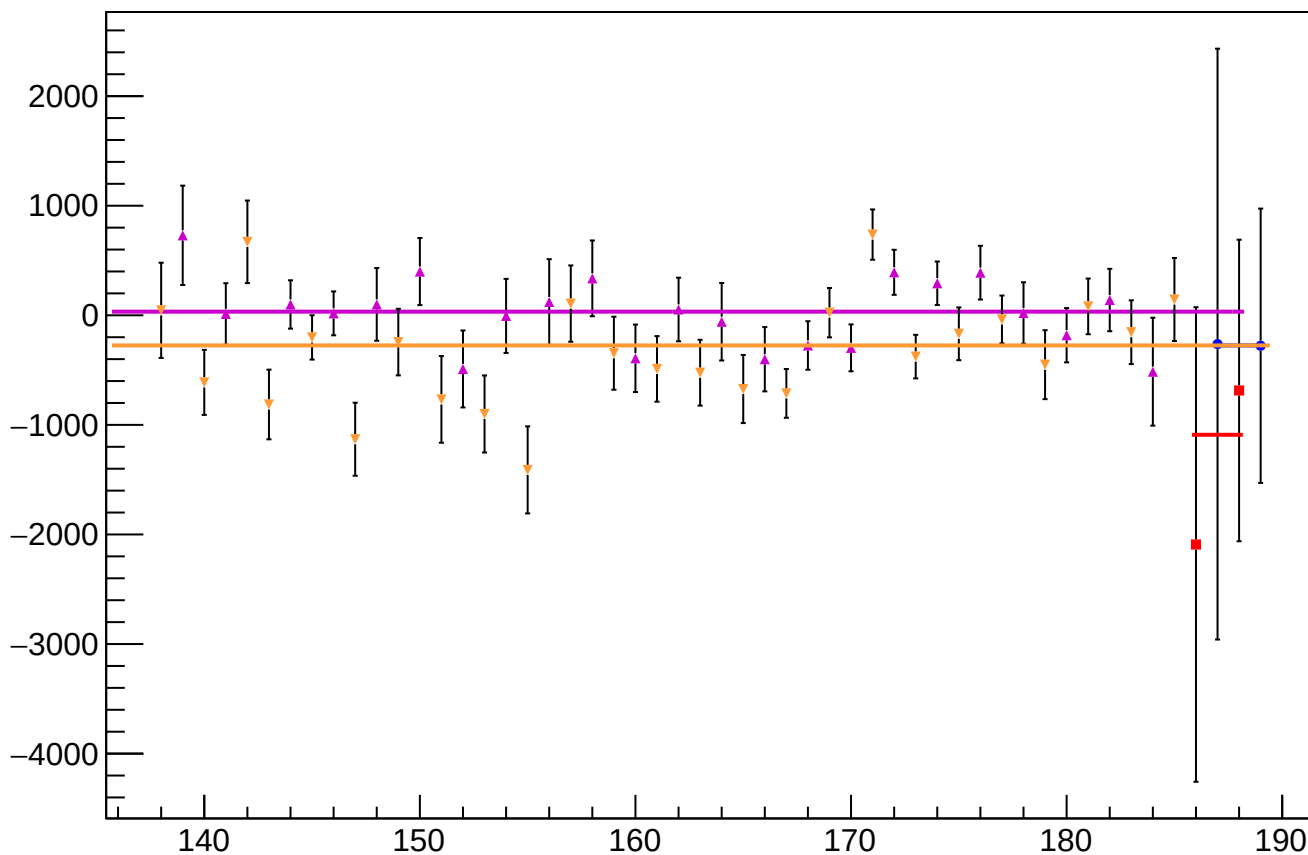
Right: 163.209 $\pm$ 0.105 χ^2 /NDF: 519219.6/3

In: 60.480 $\pm$ 0.010 χ^2 /NDF: 1164906.2/24

Out: 59.577 $\pm$ 0.010 χ^2 /NDF: 1929991.4/26

All: 60.014 $\pm$ 0.007 χ^2 /NDF: 3098863.5/51

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: -275.140+/-1135.255 χ^2/NDF : 0.0/1

Left Out: -274.844+/-56.307 χ^2/NDF : 65.1/24

Right Out: -1090.431+/-1161.385 χ^2/NDF : 0.3/1

Left In: 33.239+/-56.795 χ^2/NDF : 24.5/22

Left: -122.132+/-39.986 χ^2/NDF : 104.4/47

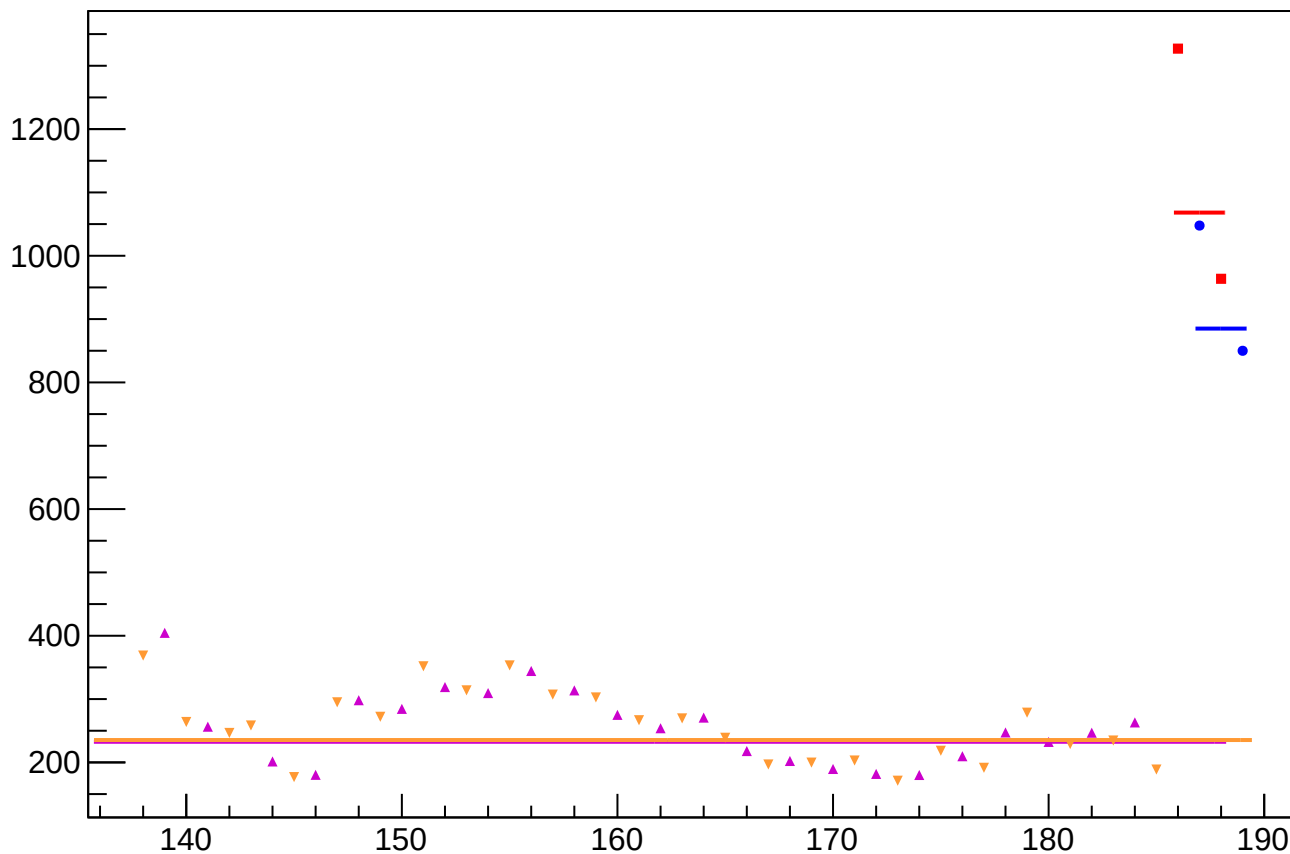
Right: -673.511+/-811.827 χ^2/NDF : 0.6/3

In: 32.469+/-56.724 χ^2/NDF : 24.6/24

Out: -276.756+/-56.241 χ^2/NDF : 65.9/26

All: -123.466+/-39.938 χ^2/NDF : 105.4/51

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



Right In: 885.009 $\pm$ 0.803 χ^2 /NDF: 8848.0/1

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

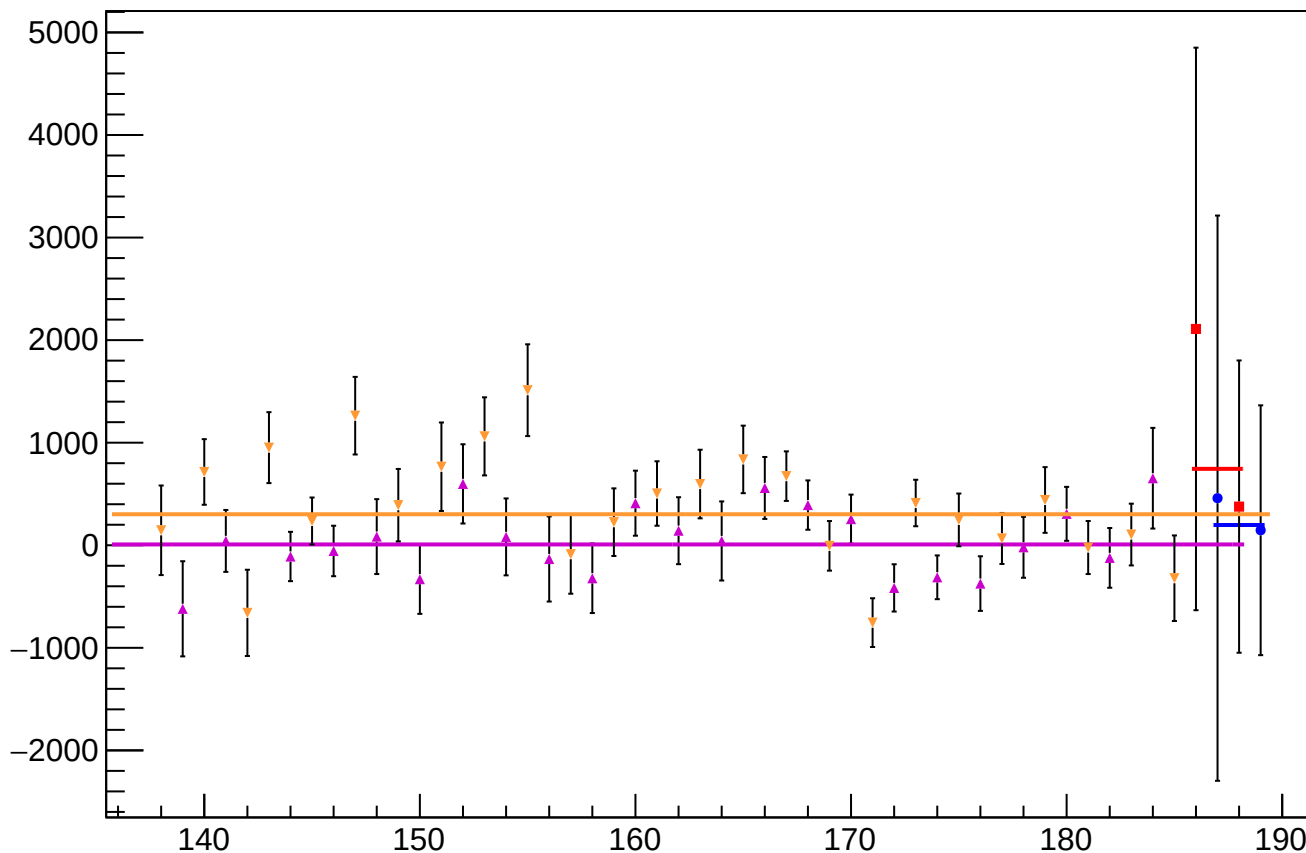
Right: 974.502 $\pm$ 0.574 χ^2 /NDF: 74408.6/3

In: 234.205 $\pm$ 0.040 χ^2 /NDF:2272143.8/24

Out: 237.280 $\pm$ 0.040 χ^2 /NDF:2728179.7/26

All: 235.756 $\pm$ 0.028 χ^2 /NDF: 5003287.3/51

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 197.403+/-1113.925 χ^2/NDF : 0.0/1

Left Out: 302.420+/-60.991 χ^2/NDF : 63.8/24

Right Out: 745.035+/-1264.414 χ^2/NDF : 0.3/1

Left In: 7.915+/-61.726 χ^2/NDF : 26.3/22

Left: 156.931+/-43.384 χ^2/NDF : 101.6/47

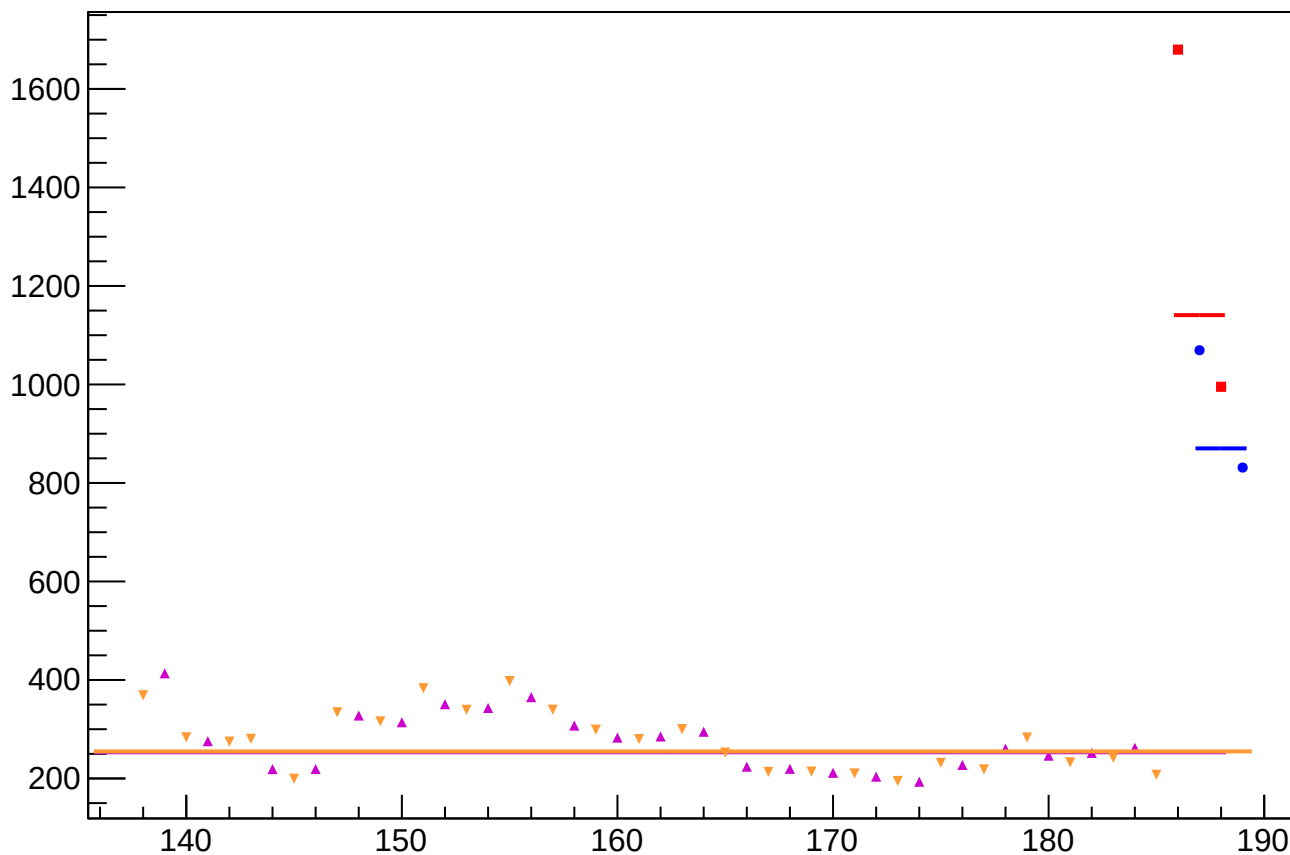
Right: 436.706+/-835.832 χ^2/NDF : 0.4/3

In: 8.495+/-61.631 χ^2/NDF : 26.3/24

Out: 303.448+/-60.920 χ^2/NDF : 64.3/26

All: 157.683+/-43.326 χ^2/NDF : 102.2/51

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 870.176+/-0.788 χ^2/NDF : 12510.1/1

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

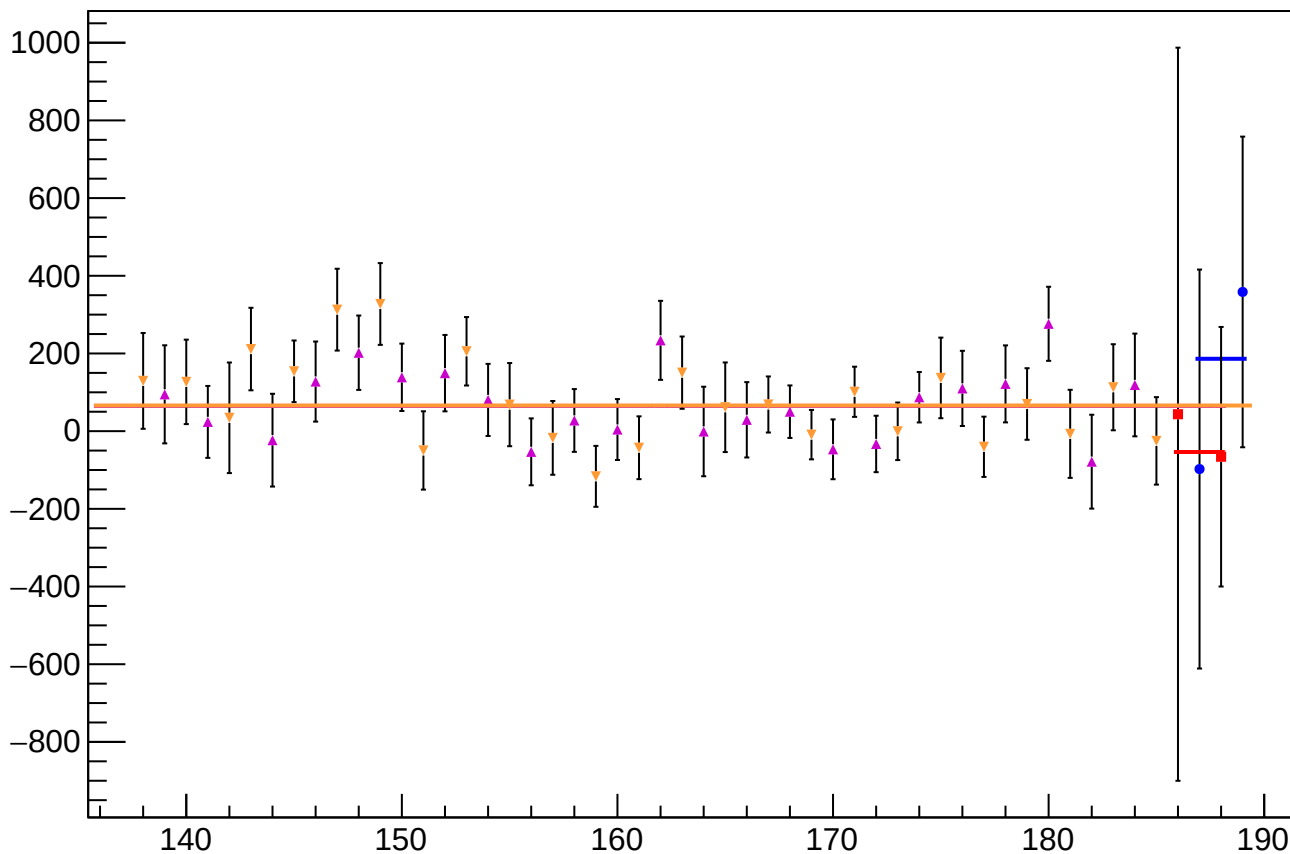
Right: 988.417+/-0.591 χ^2/NDF : 162221.7/3

In: 255.059+/-0.044 χ^2/NDF : 1990775.4/24

Out: 256.994+/-0.043 χ^2/NDF : 2619204.0/26

All: 256.038+/-0.031 χ^2/NDF : 4610976.4/51

dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 186.306 $\pm$ 315.509 χ^2 /NDF: 0.5/1

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

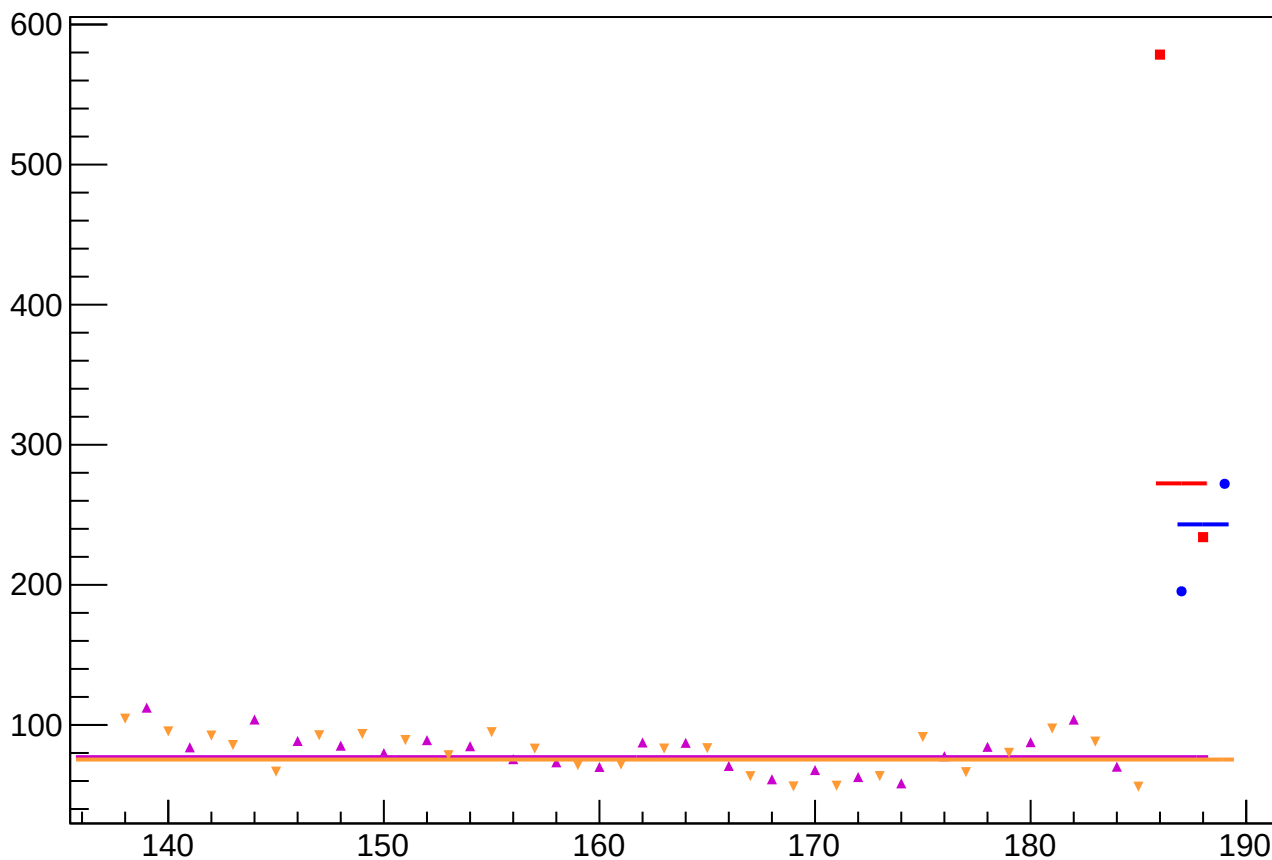
Right: 66.110 $\pm$ 222.901 χ^2 /NDF: 0.8/3

In: 65.335 $\pm$ 18.891 χ^2 /NDF:22.4/24

Out: 65.573 $\pm$ 18.120 χ^2 /NDF:34.3/26

All: 65.459 $\pm$ 13.077 χ^2 /NDF: 56.7/51

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 243.177 $\pm$ 0.223 χ^2 /NDF: 27792.4/1

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

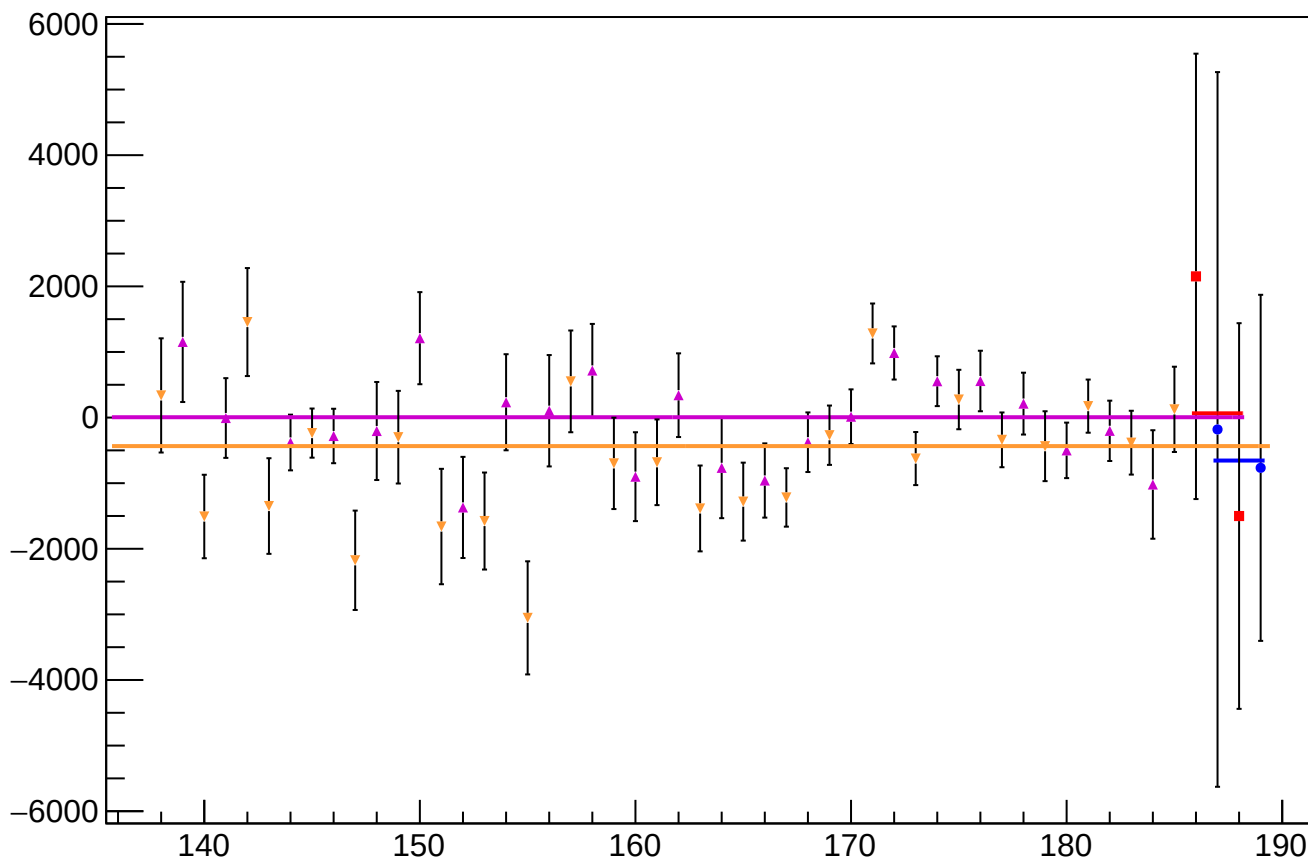
Right: 257.832 $\pm$ 0.158 χ^2 /NDF: 273164.2/3

In: 77.617 $\pm$ 0.013 χ^2 /NDF: 1522116.9/24

Out: 75.964 $\pm$ 0.013 χ^2 /NDF: 2234479.0/26

All: 76.756 $\pm$ 0.009 χ^2 /NDF: 3764569.2/51

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



Right In: -655.048+/-2374.005 χ^2/NDF : 0.0/1

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

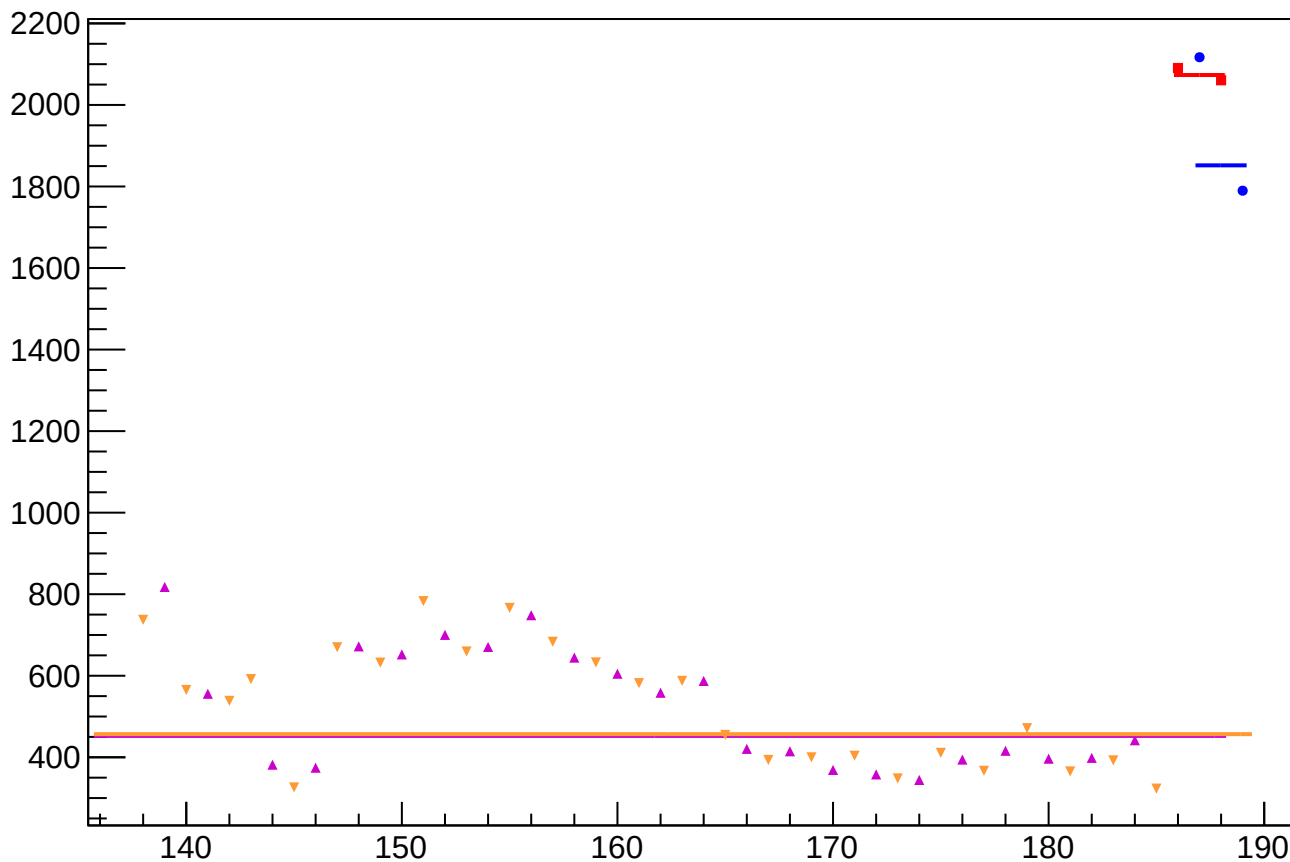
Right: -271.382+/-1622.331 χ^2/NDF : 0.7/3

In: 3.892+/-111.631 χ^2/NDF : 29.7/24

Out: -433.576+/-110.703 χ^2/NDF : 59.5/26

All: -216.668+/-78.605 χ^2/NDF : 96.9/51

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



Right In: 1851.844+/-1.679 χ^2/NDF : 5850.2/1

Left Out: 456.743+/-0.078 χ^2/NDF : 2593665.9/24

Right Out: 2073.406+/-1.571 χ^2/NDF : 89.9/1

Left In: 452.439+/-0.079 χ^2/NDF : 2305796.6/22

Left: 454.609+/-0.056 χ^2/NDF : 4900958.0/47

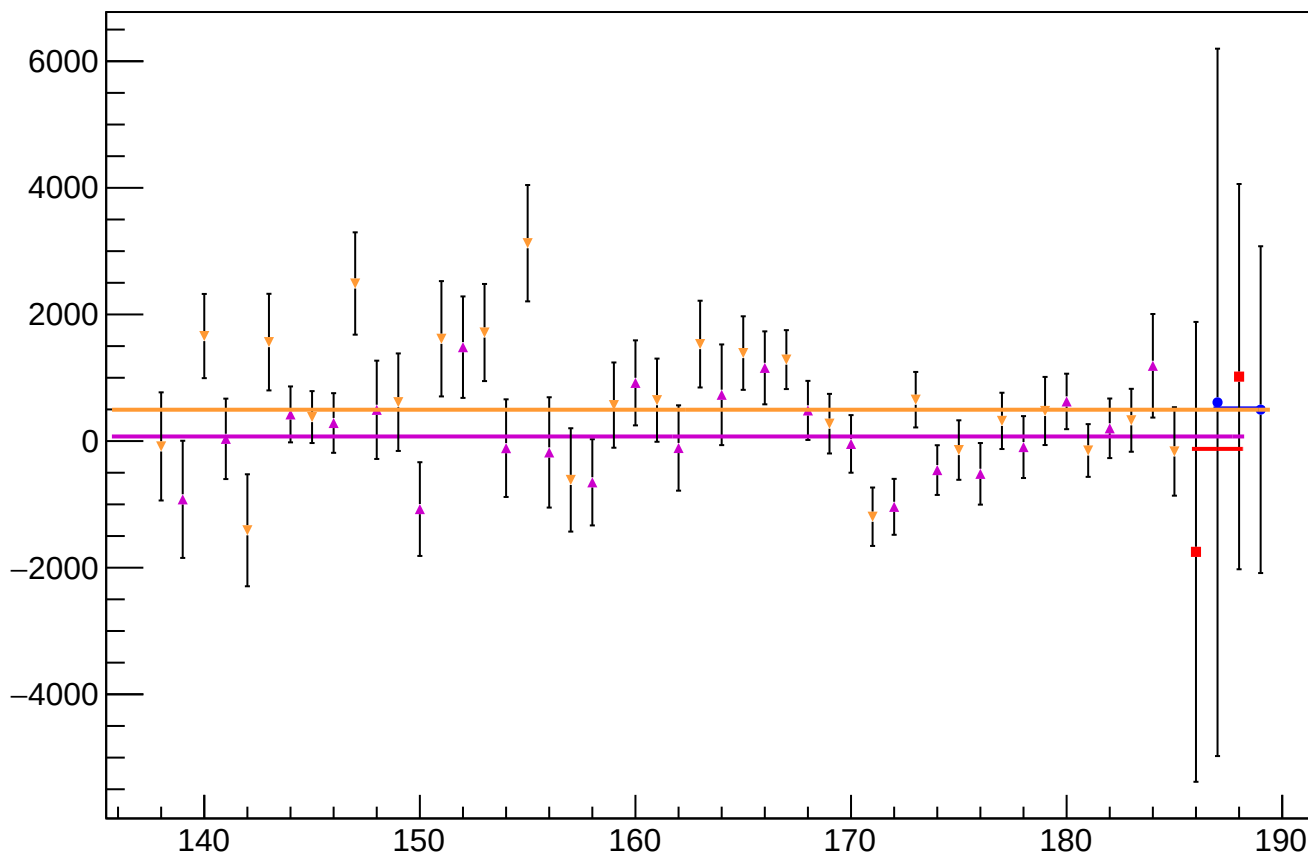
Right: 1969.937+/-1.147 χ^2/NDF : 15225.3/3

In: 455.533+/-0.079 χ^2/NDF : 3005060.6/24

Out: 460.755+/-0.078 χ^2/NDF : 3649697.2/26

All: 458.166+/-0.056 χ^2/NDF : 6656964.5/51

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 516.559+/-2343.083 χ^2/NDF : 0.0/1

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

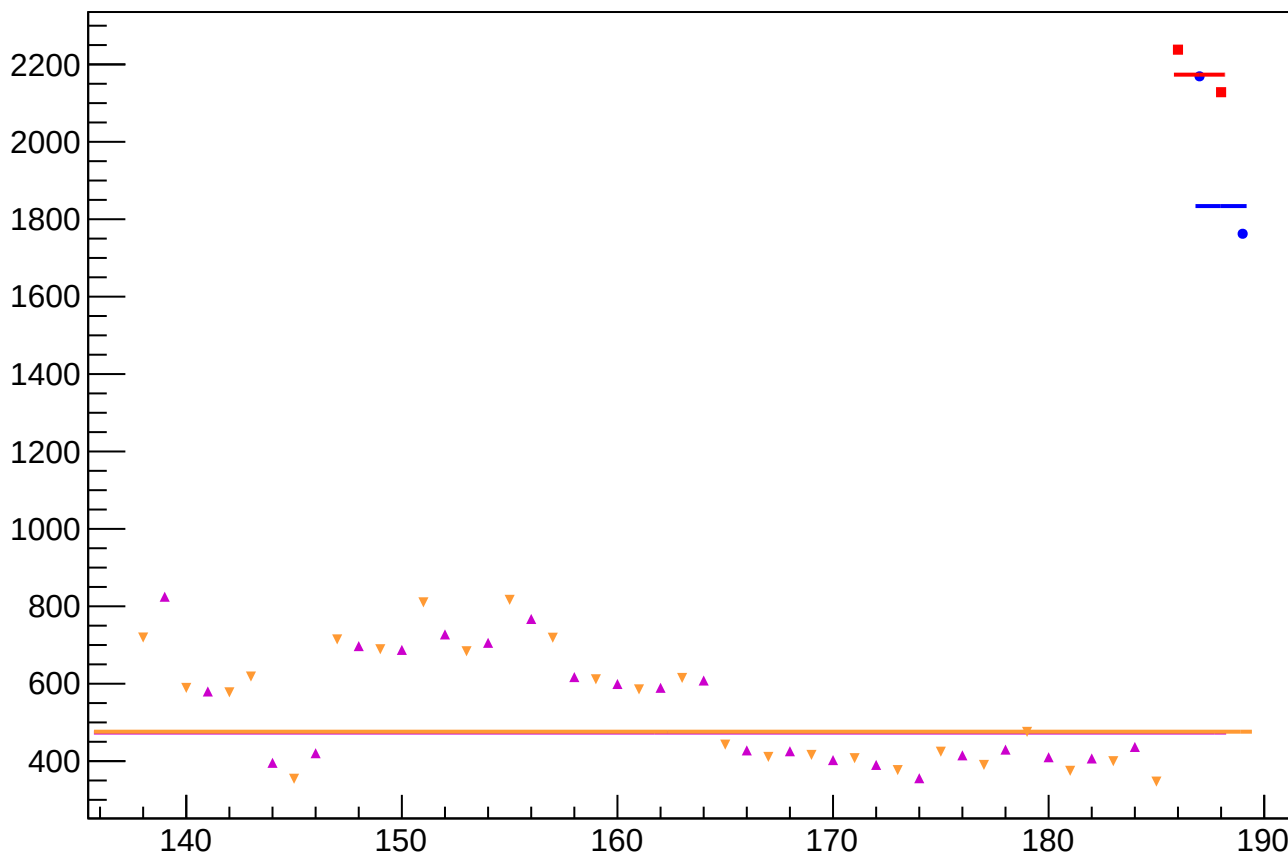
Right: 195.043+/-1653.036 χ^2/NDF : 0.4/3

In: 73.730+/-116.782 χ^2/NDF : 29.1/24

Out: 493.745+/-115.380 χ^2/NDF : 57.6/26

All: 286.274+/-82.077 χ^2/NDF : 93.2/51

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1834.018+/-1.657 χ^2/NDF : 8734.9/1

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

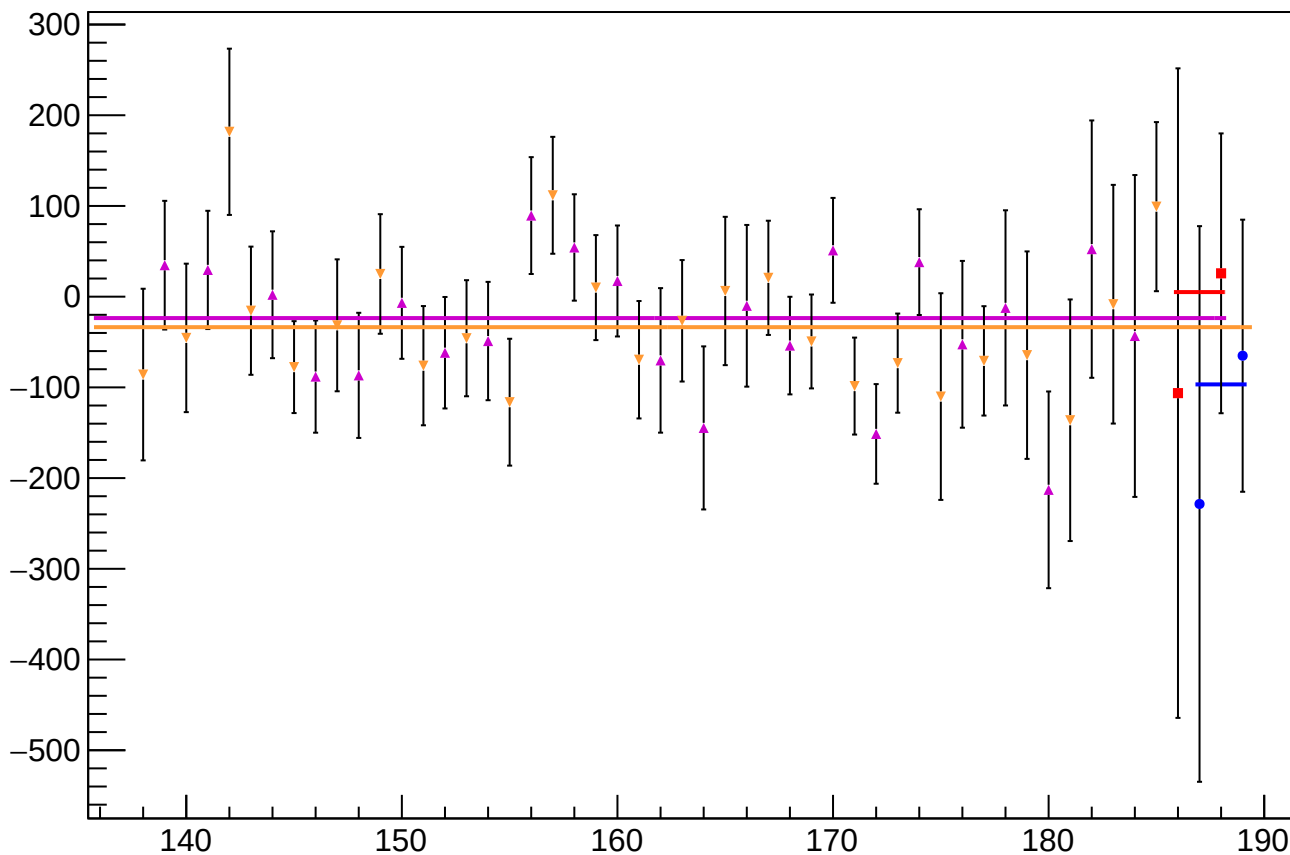
Right: 2004.548+/-1.169 χ^2/NDF : 30902.1/3

In: 477.203+/-0.083 χ^2/NDF : 2794808.6/24

Out: 480.211+/-0.082 χ^2/NDF : 3519610.8/26

All: 478.725+/-0.058 χ^2/NDF : 6315090.9/51

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -96.710 $\pm$ 134.694 χ^2 /NDF: 0.2/1

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

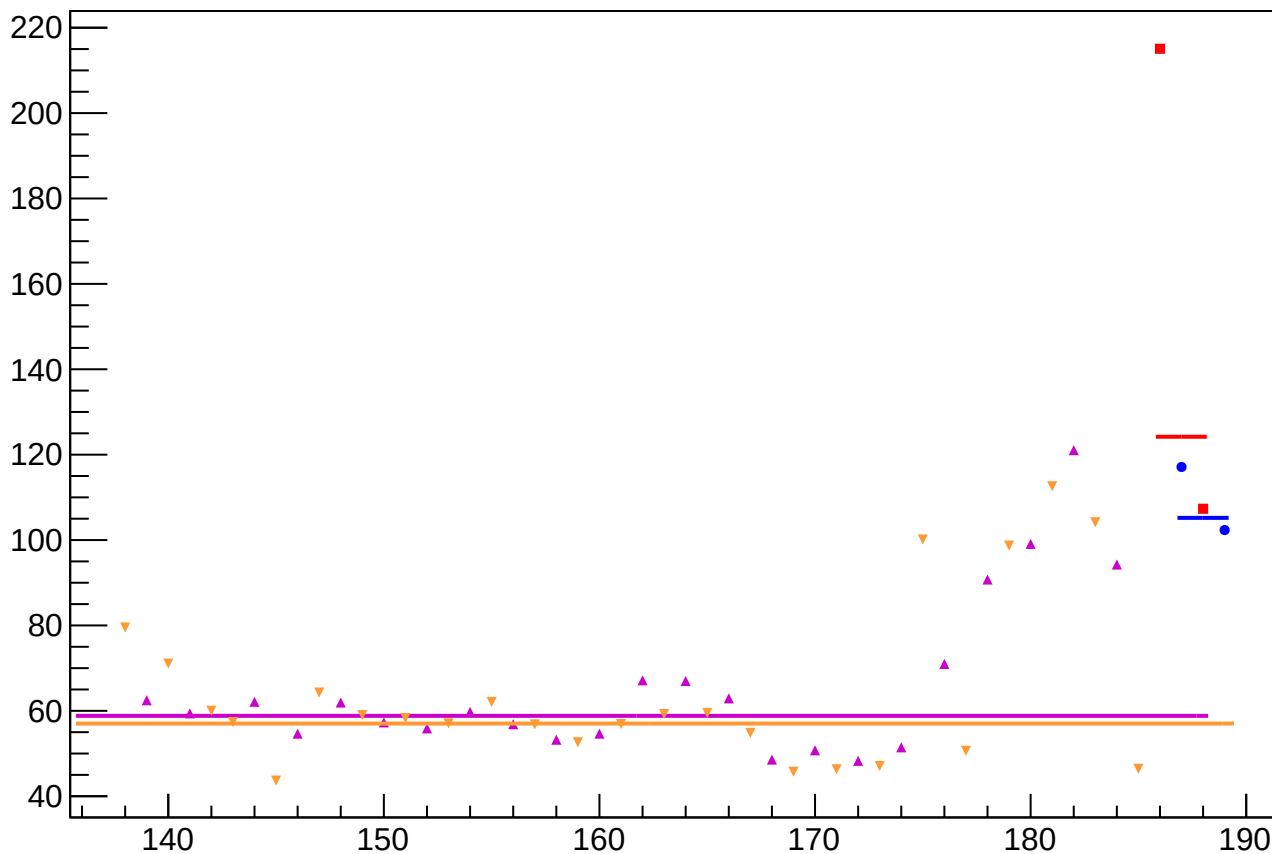
Right: -48.385 $\pm$ 97.610 χ^2 /NDF: 0.6/3

In: -24.441 $\pm$ 14.470 χ^2 /NDF:24.0/24

Out: -33.260 $\pm$ 13.816 χ^2 /NDF:22.1/26

All: -29.054 $\pm$ 9.992 χ^2 /NDF: 46.3/51

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Left: 57.885 $\pm$ 0.007 χ^2/NDF : 3097764.9/47

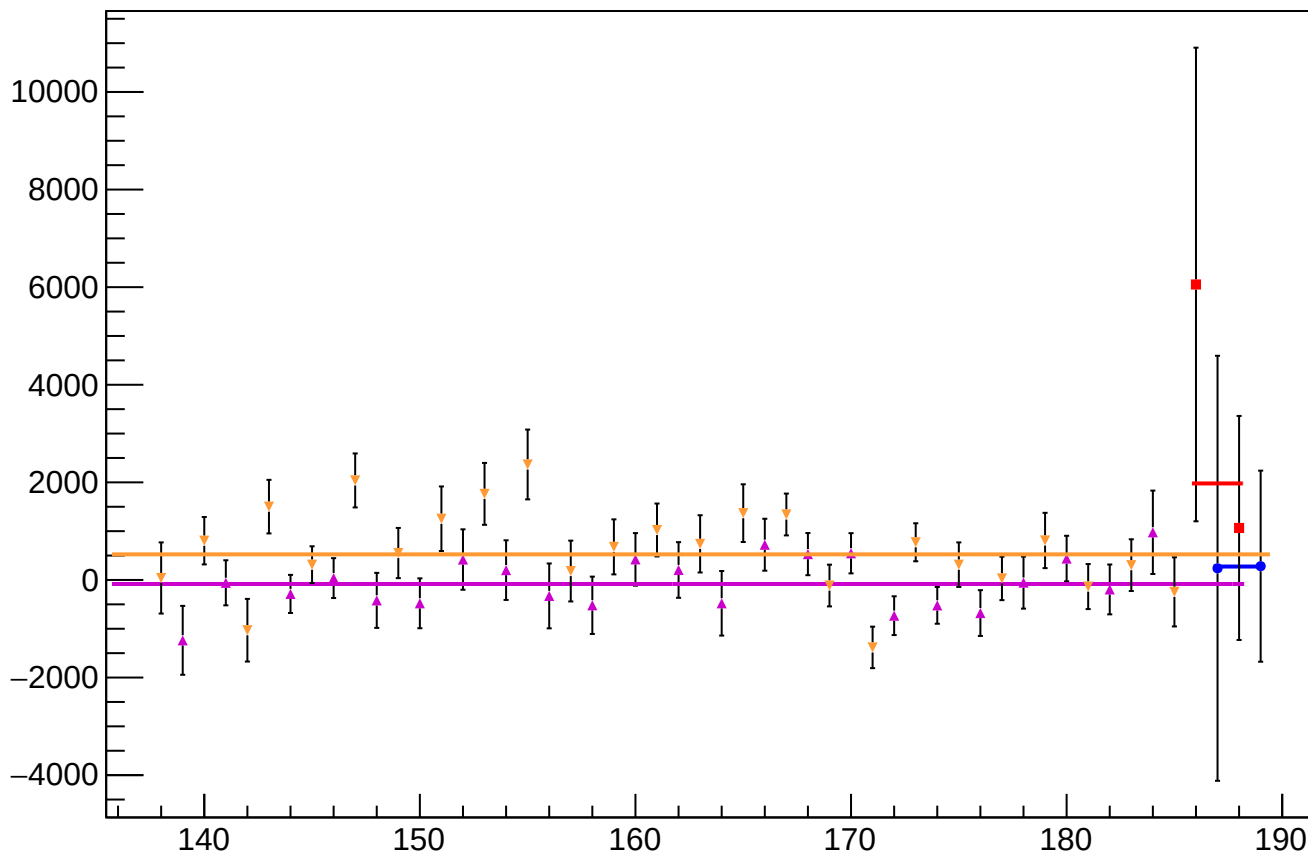
Right: 114.220 $\pm$ 0.069 χ^2/NDF : 175415.2/3

In: 59.364 $\pm$ 0.010 χ^2/NDF : 1508150.0/24

Out: 57.665 $\pm$ 0.010 χ^2/NDF : 2409803.4/26

All: 58.475 $\pm$ 0.007 χ^2/NDF : 3932388.7/51

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 274.965 $\pm$ 1785.778 χ^2 /NDF: 0.0/1

Left Out: 524.503 $\pm$ 103.237 χ^2 /NDF:64.2/24

Right Out: 1977.832 $\pm$ 2075.230 χ^2 /NDF: 0.9/1

Left In: -82.501 $\pm$ 104.550 χ^2 /NDF:22.1/22

Left: 224.835 $\pm$ 73.459 χ^2 /NDF: 103.4/47

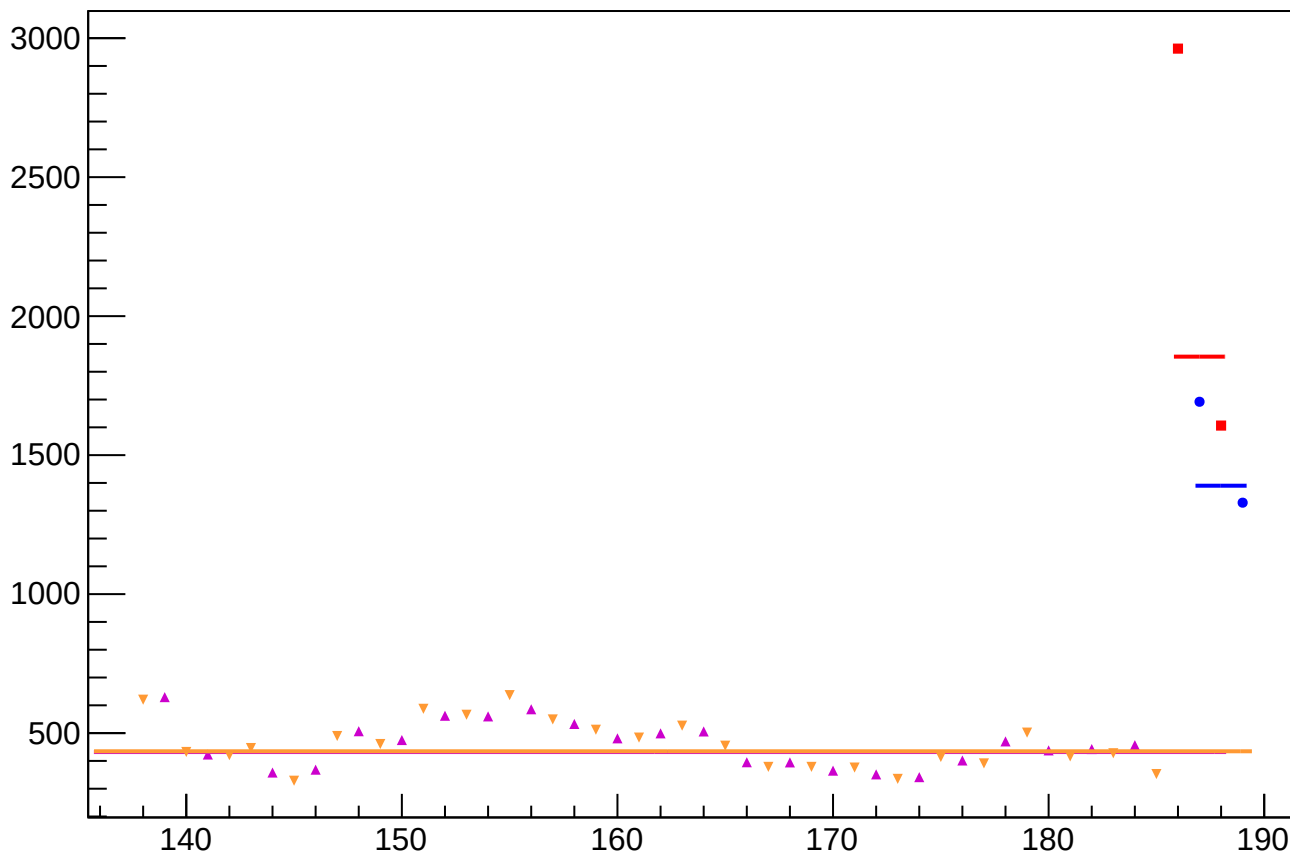
Right: 999.451 $\pm$ 1353.602 χ^2 /NDF: 1.3/3

In: -81.280 $\pm$ 104.371 χ^2 /NDF:22.2/24

Out: 528.091 $\pm$ 103.109 χ^2 /NDF:65.5/26

All: 227.110 $\pm$ 73.351 χ^2 /NDF: 105.0/51

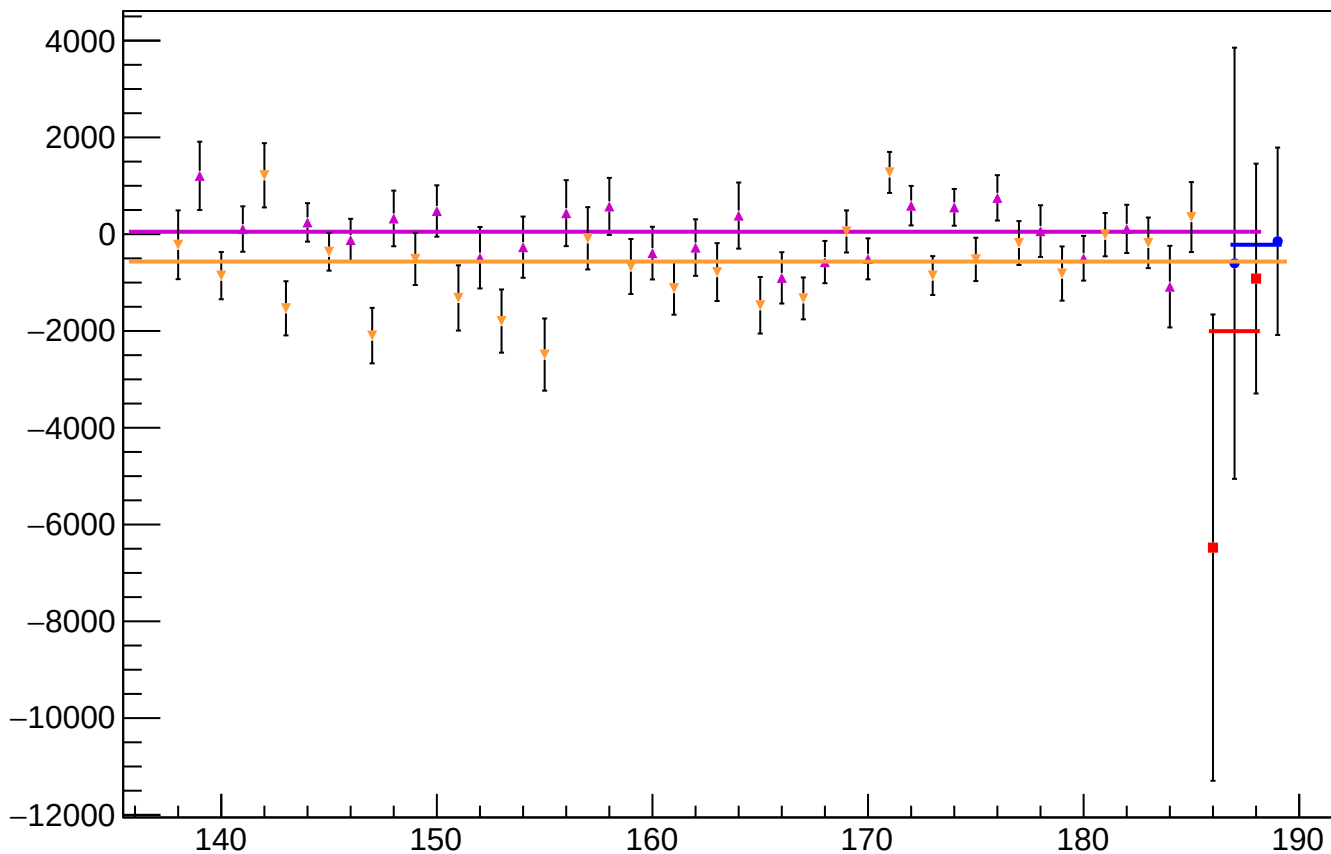
asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1390.015+/-1.263 χ^2/NDF : 11560.3/1
 Left Out: 434.656+/-0.073 χ^2/NDF :1158526.1/24
 Right Out: 1854.313+/-1.467 χ^2/NDF : 127600.1/1
 Left In: 431.889+/-0.074 χ^2/NDF :1034822.9/22

Left: 433.290+/-0.052 χ^2/NDF : 2194058.1/47
 Right: 1587.551+/-0.957 χ^2/NDF : 196680.3/3
 In: 435.162+/-0.074 χ^2/NDF :1620147.8/24
 Out: 438.161+/-0.073 χ^2/NDF :2219790.4/26
 All: 436.680+/-0.052 χ^2/NDF : 3840773.6/51

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -218.147 $\pm$ 1775.959 χ^2 /NDF: 0.0/1

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

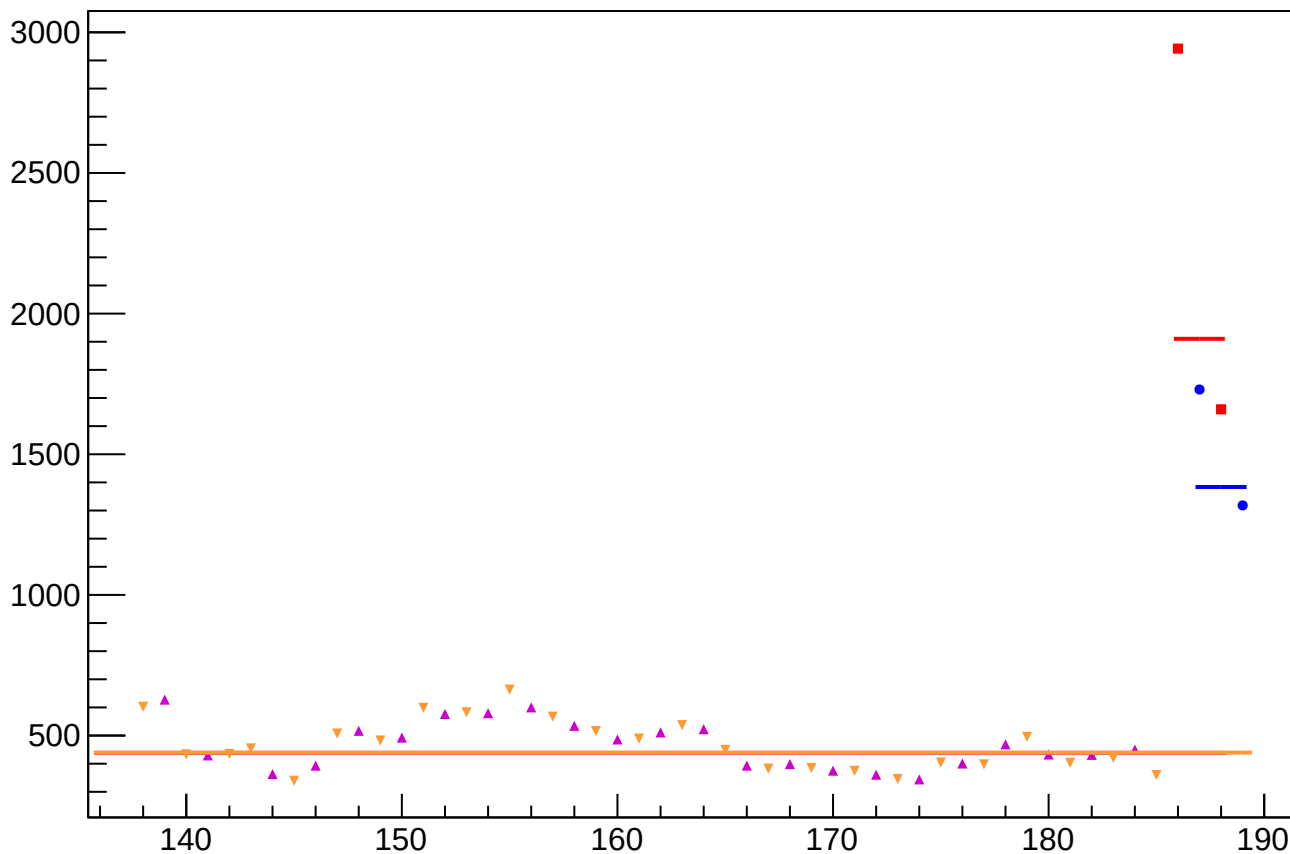
Right: -950.293 $\pm$ 1364.054 χ^2 /NDF: 1.5/3

In: 49.430 $\pm$ 106.029 χ^2 /NDF:23.3/24

Out: -568.995 $\pm$ 104.335 χ^2 /NDF:64.5/26

All: -264.761 $\pm$ 74.367 χ^2 /NDF: 105.0/51

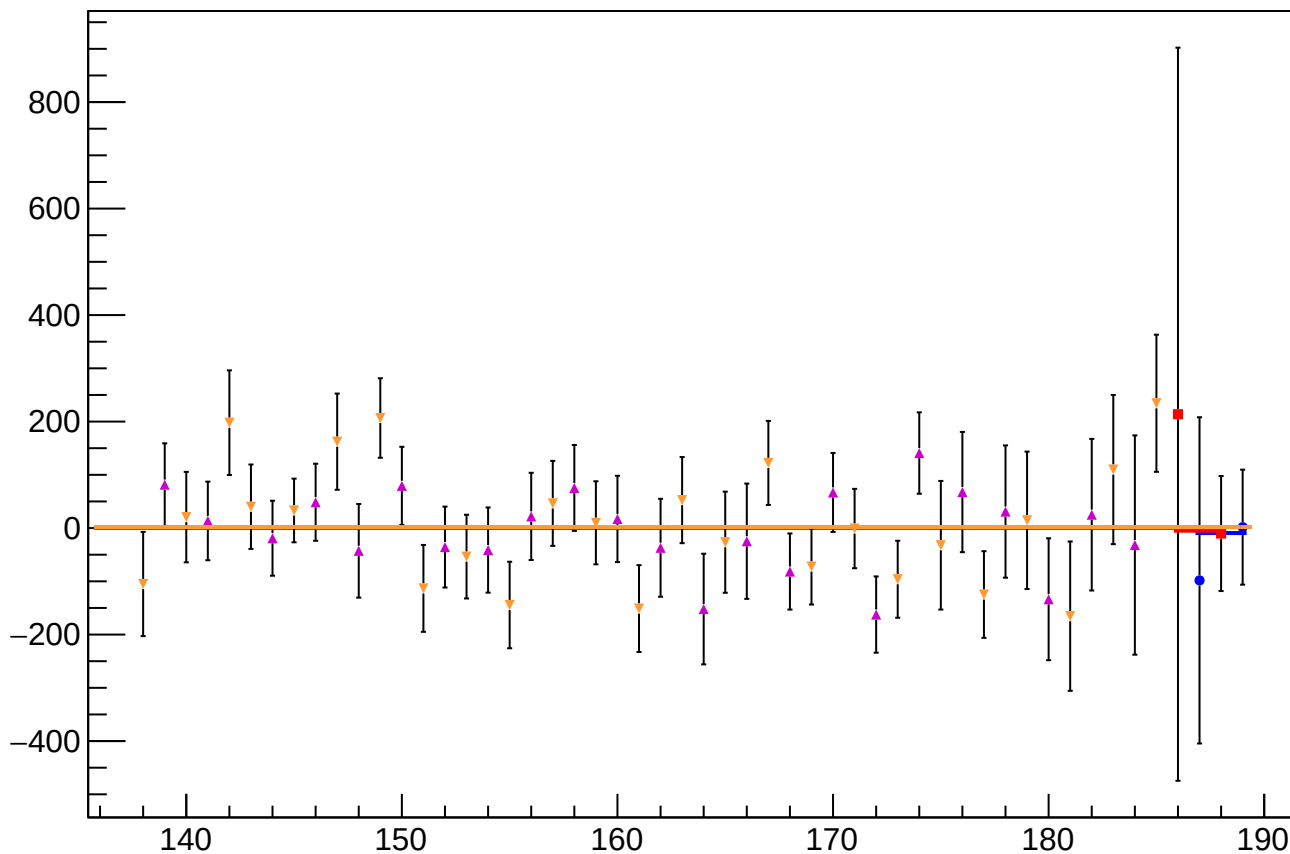
asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 1383.697 $\pm$ 1.256 χ^2 /NDF: 14377.4/1
 Left Out: 439.314 $\pm$ 0.074 χ^2 /NDF:1164031.3/24
 Right Out: 1910.414 $\pm$ 1.506 χ^2 /NDF: 113932.0/1
 Left In: 438.365 $\pm$ 0.075 χ^2 /NDF:1024661.1/22

Left: 438.847 $\pm$ 0.053 χ^2 /NDF: 2188773.6/47
 Right: 1599.691 $\pm$ 0.965 χ^2 /NDF: 200450.3/3
 In: 441.734 $\pm$ 0.075 χ^2 /NDF:1603692.6/24
 Out: 442.843 $\pm$ 0.074 χ^2 /NDF:2229599.8/26
 All: 442.298 $\pm$ 0.053 χ^2 /NDF: 3833403.5/51

dit_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -9.337+/-101.841 χ^2/NDF : 0.1/1

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

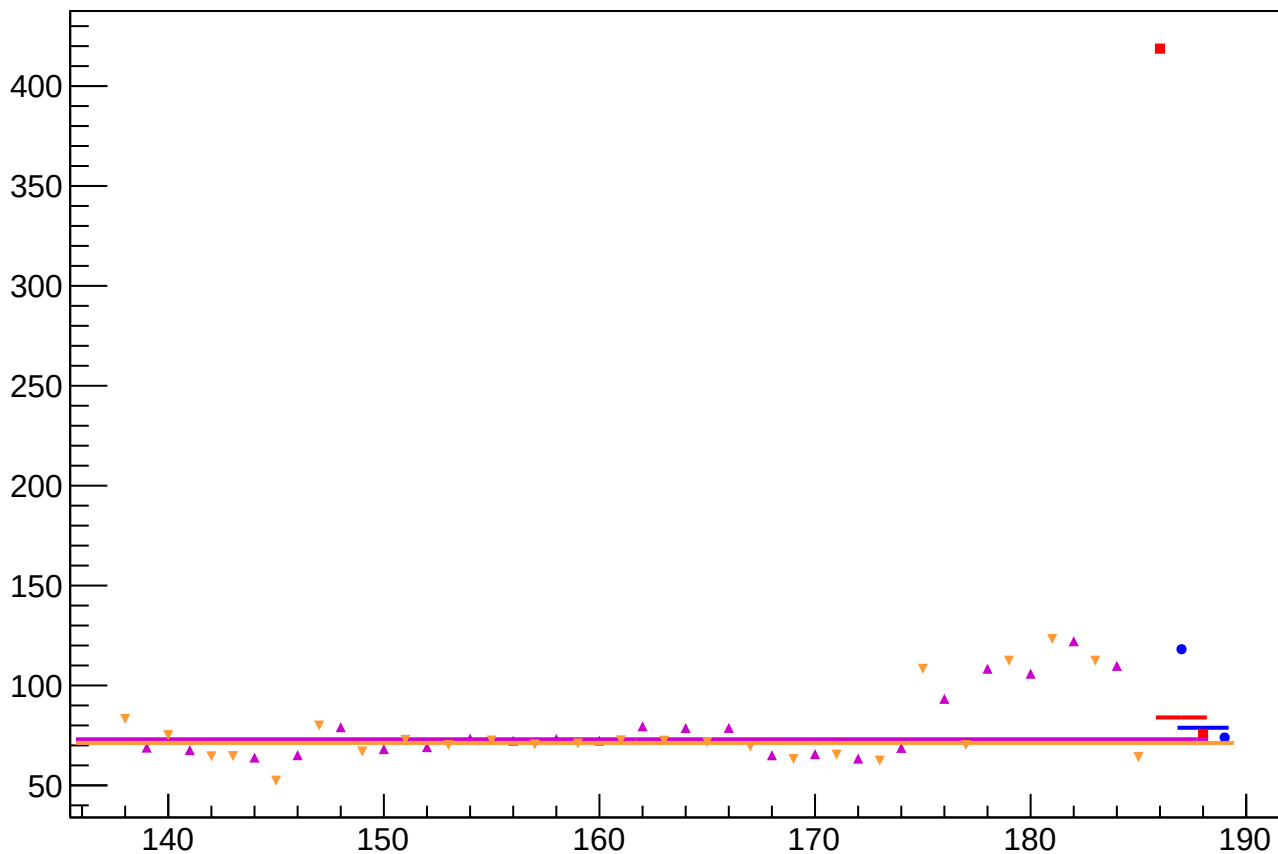
Right: -7.213+/-73.664 χ^2/NDF : 0.2/3

In: 0.075+/-17.487 χ^2/NDF :19.5/24

Out: 1.798+/-16.796 χ^2/NDF :39.6/26

All: 0.971+/-12.114 χ^2/NDF : 59.1/51

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 78.833 $\pm$ 0.072 χ^2 /NDF: 37029.5/1

Left Out: 71.245 $\pm$ 0.012 χ^2 /NDF: 1200712.1/24

Right Out: 83.991 $\pm$ 0.075 χ^2 /NDF: 484554.0/1

Left In: 73.060 $\pm$ 0.013 χ^2 /NDF: 899002.7/22

Left: 72.113 $\pm$ 0.009 χ^2 /NDF: 2110613.8/47

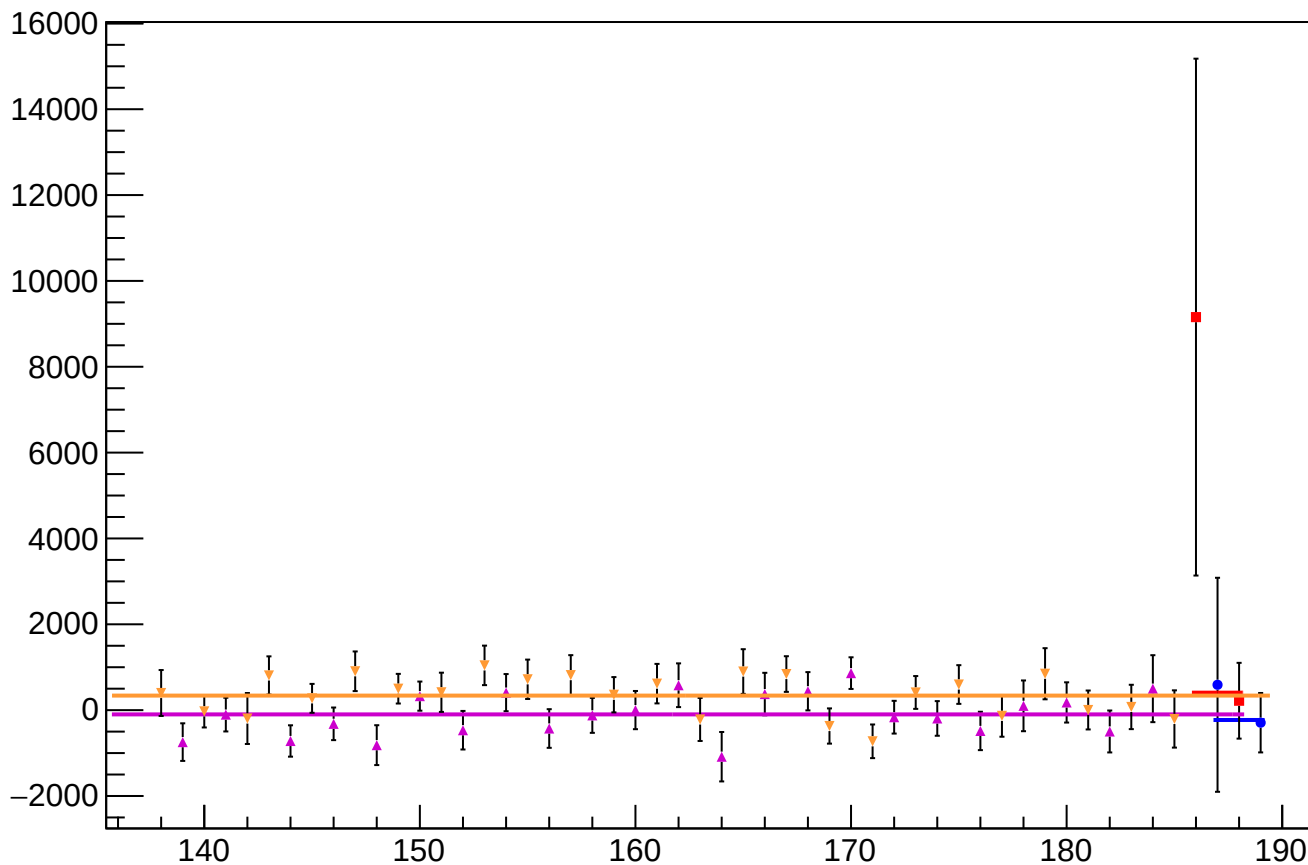
Right: 81.293 $\pm$ 0.052 χ^2 /NDF: 524029.5/3

In: 73.230 $\pm$ 0.012 χ^2 /NDF: 942271.2/24

Out: 71.561 $\pm$ 0.012 χ^2 /NDF: 1713109.8/26

All: 72.362 $\pm$ 0.009 χ^2 /NDF: 2664858.1/51

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -229.160 $\pm$ 667.095 χ^2 /NDF: 0.1/1

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

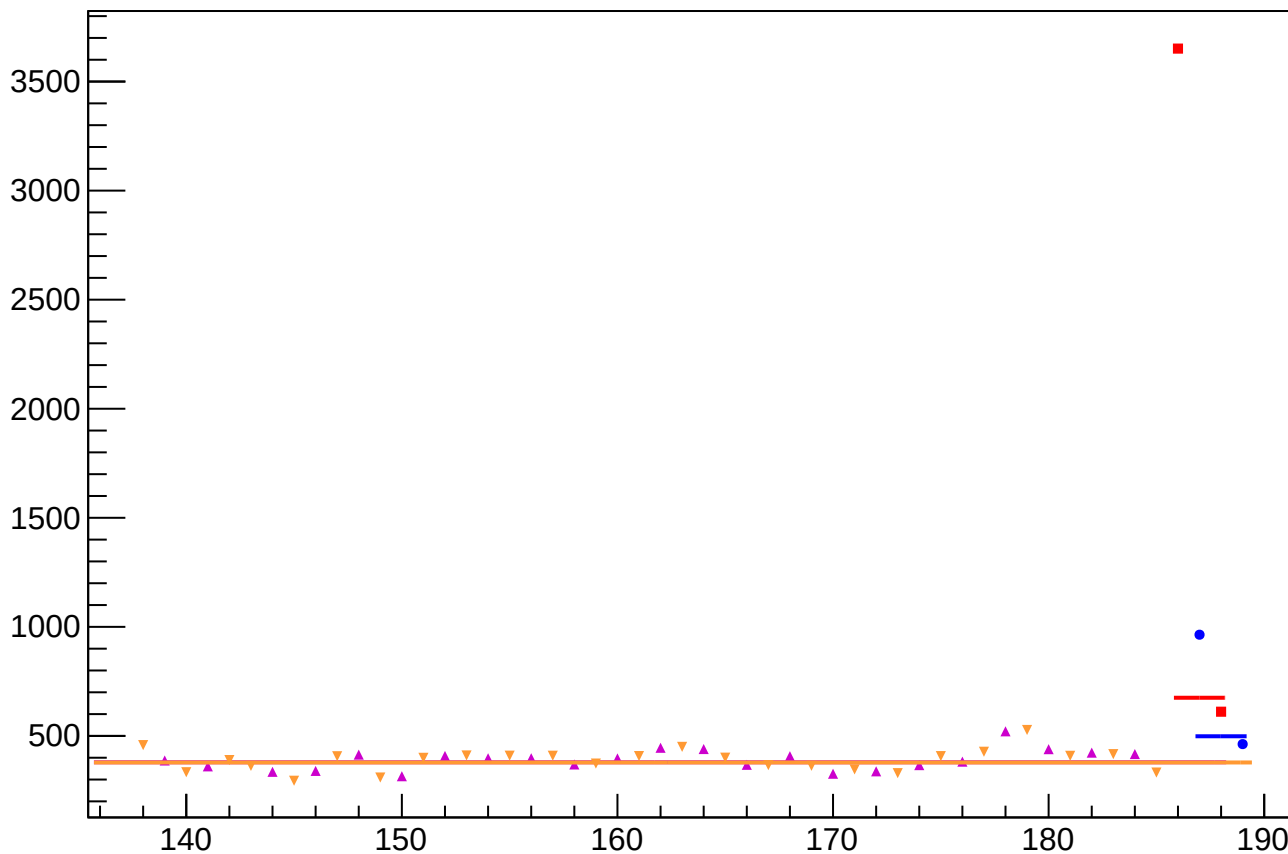
Right: 5.340 $\pm$ 530.153 χ^2 /NDF: 2.6/3

In: -101.388 $\pm$ 90.309 χ^2 /NDF:28.6/24

Out: 339.798 $\pm$ 88.799 χ^2 /NDF:29.0/26

All: 122.925 $\pm$ 63.317 χ^2 /NDF: 69.7/51

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 498.397 $\pm$ 0.472 χ^2 /NDF: 75141.6/1

Left Out: 378.284 $\pm$ 0.063 χ^2 /NDF: 606236.5/24

Right Out: 674.988 $\pm$ 0.618 χ^2 /NDF: 499159.6/1

Left In: 379.293 $\pm$ 0.064 χ^2 /NDF: 458625.9/22

Left: 378.778 $\pm$ 0.045 χ^2 /NDF: 1064987.4/47

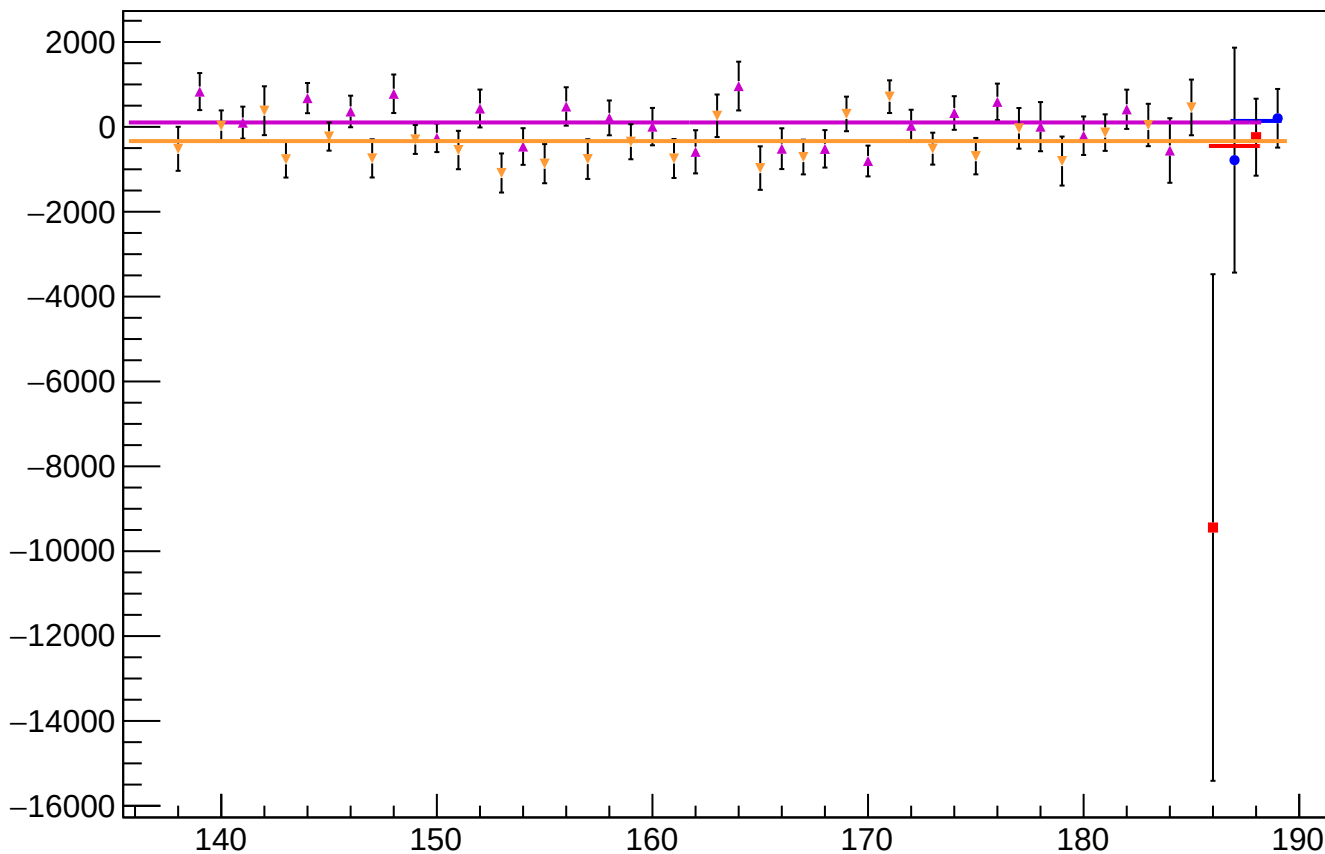
Right: 563.457 $\pm$ 0.375 χ^2 /NDF: 625935.7/3

In: 381.475 $\pm$ 0.064 χ^2 /NDF: 596353.0/24

Out: 381.351 $\pm$ 0.063 χ^2 /NDF: 1333801.6/26

All: 381.412 $\pm$ 0.045 χ^2 /NDF: 1930156.6/51

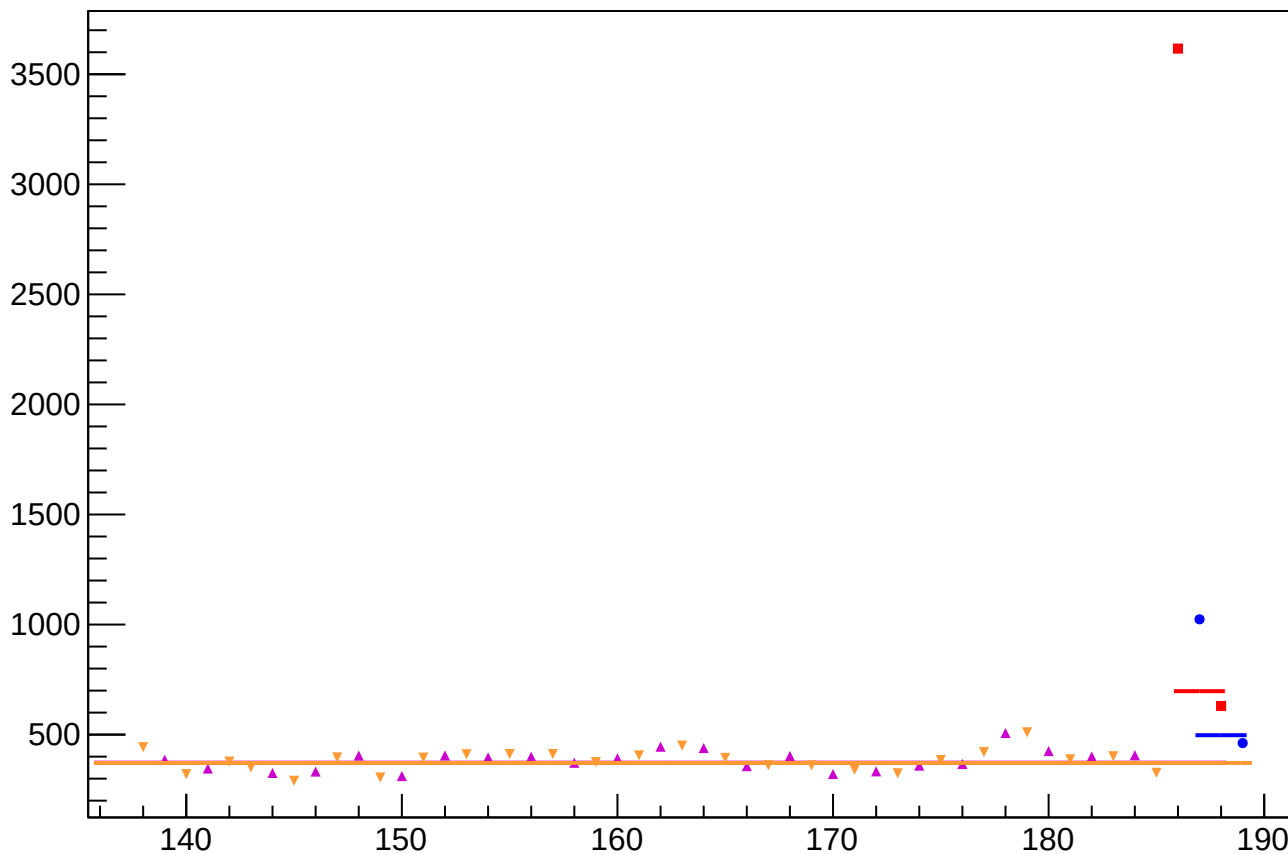
asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 139.802 $\pm$ 668.669 χ^2 /NDF: 0.1/1
 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: -71.319 $\pm$ 536.040 χ^2 /NDF: 2.7/3
 In: 104.747 $\pm$ 88.819 χ^2 /NDF:29.8/24
 Out: -336.339 $\pm$ 87.290 χ^2 /NDF:30.6/26
 All: -119.626 $\pm$ 62.257 χ^2 /NDF: 73.0/51

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 497.347+/-0.473 χ^2/NDF : 84293.4/1

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

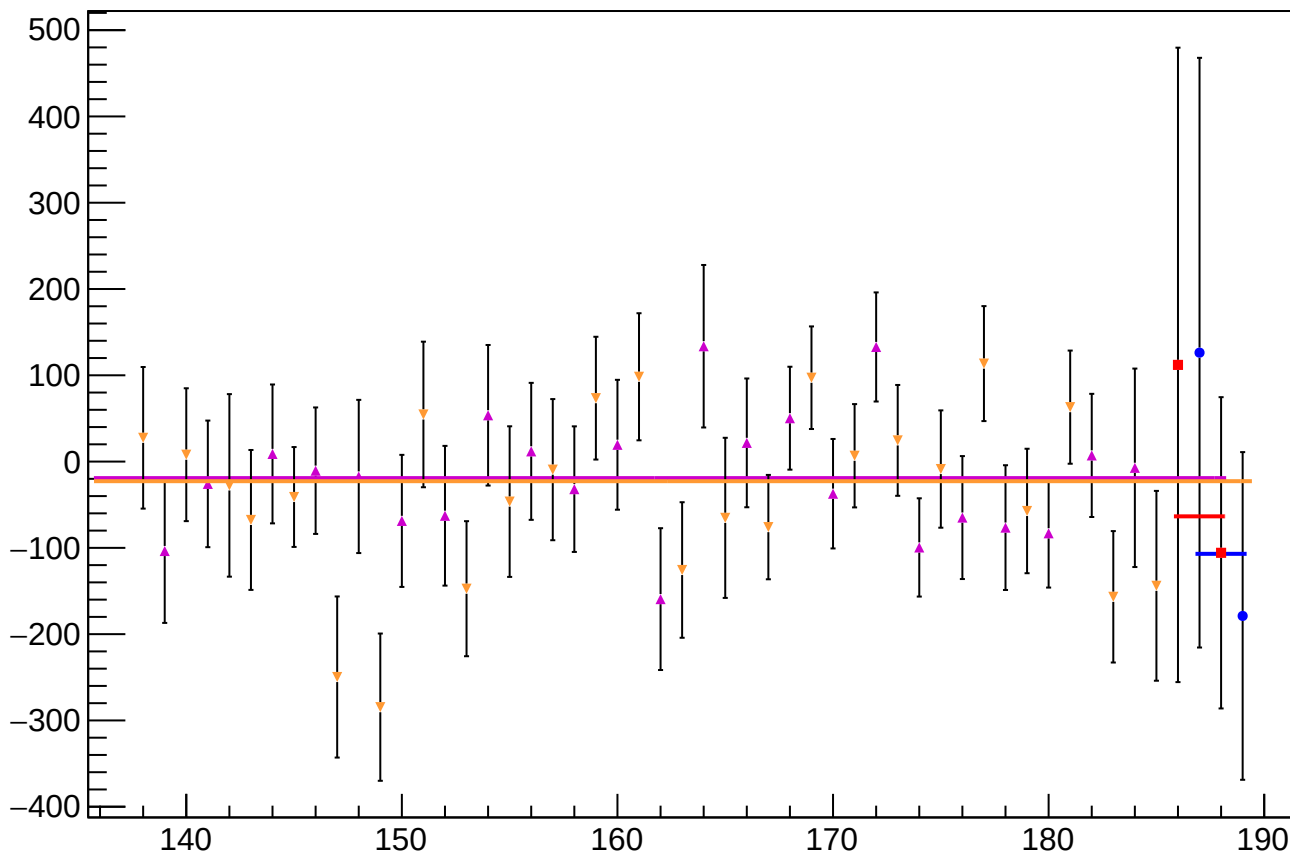
Right: 568.859+/-0.379 χ^2/NDF : 637651.5/3

In: 374.776+/-0.063 χ^2/NDF : 617100.7/24

Out: 374.465+/-0.062 χ^2/NDF : 1355446.9/26

All: 374.618+/-0.044 χ^2/NDF : 1972560.0/51

dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -106.920 ± 165.977 $\chi^2/\text{NDF}: 0.6/1$

Left Out: -22.721 ± 14.820 $\chi^2/\text{NDF}: 42.3/24$

Right Out: -63.476 ± 161.940 $\chi^2/\text{NDF}: 0.3/1$

Left In: -19.165 ± 15.363 $\chi^2/\text{NDF}: 20.4/22$

Left: -21.007 ± 10.666 $\chi^2/\text{NDF}: 62.7/47$

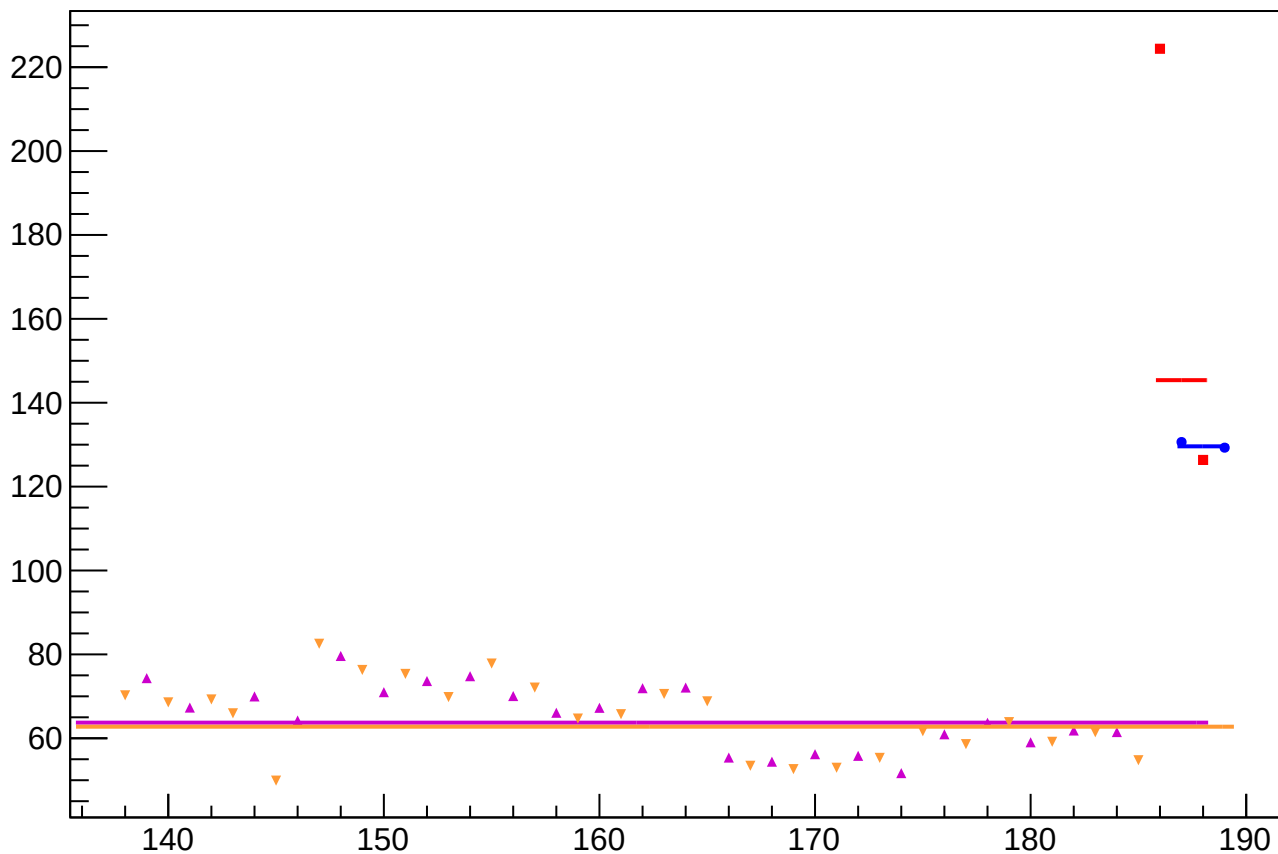
Right: -84.663 ± 115.910 $\chi^2/\text{NDF}: 0.9/3$

In: -19.910 ± 15.298 $\chi^2/\text{NDF}: 21.3/24$

Out: -23.059 ± 14.758 $\chi^2/\text{NDF}: 42.7/26$

All: -21.541 ± 10.621 $\chi^2/\text{NDF}: 64.0/51$

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 129.603 $\pm$ 0.117 χ^2 /NDF: 23.5/1

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

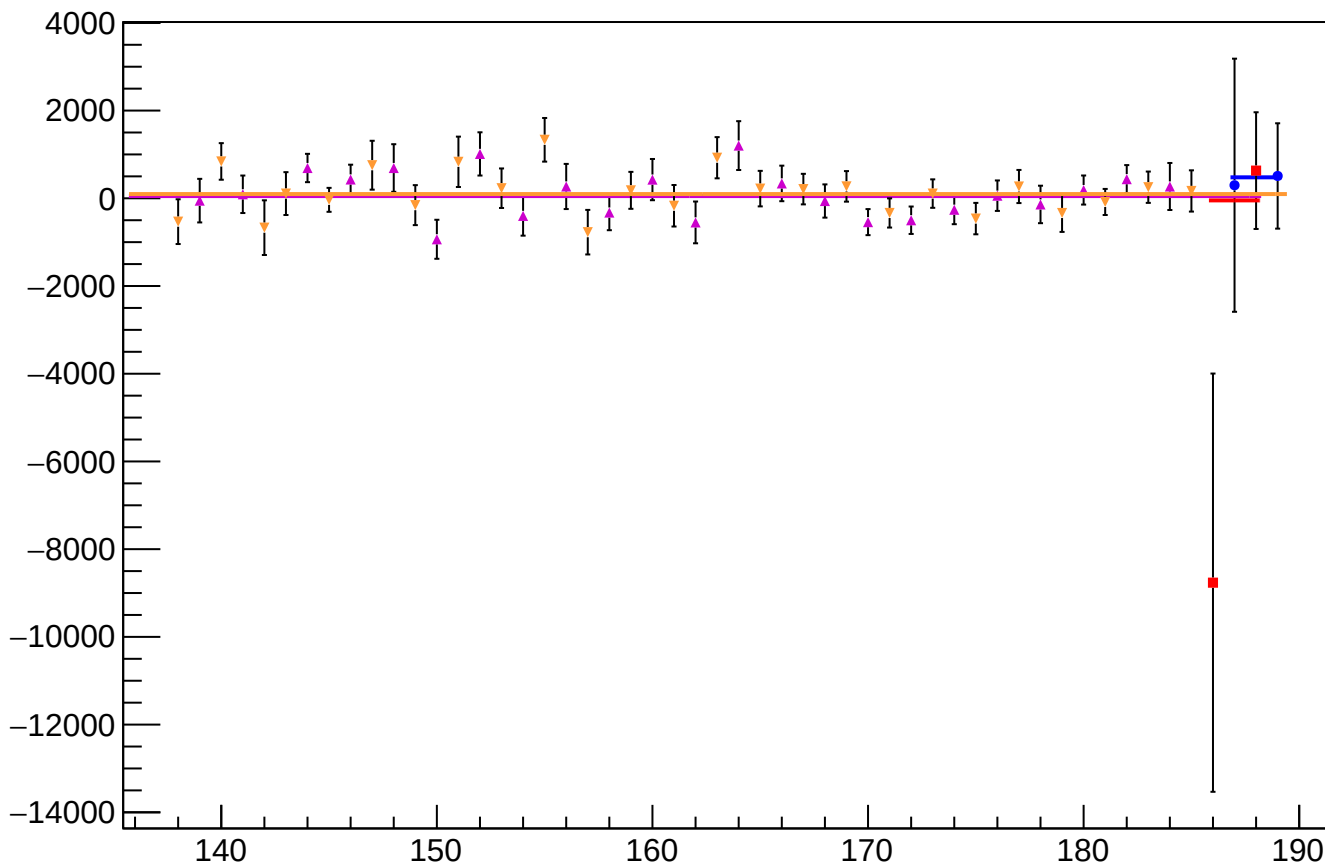
Right: 137.686 $\pm$ 0.082 χ^2 /NDF: 123897.9/3

In: 64.286 $\pm$ 0.011 χ^2 /NDF:804581.8/24

Out: 63.446 $\pm$ 0.010 χ^2 /NDF:1299126.7/26

All: 63.851 $\pm$ 0.008 χ^2 /NDF: 2106827.5/51

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 477.821 $\pm$ 1108.884 χ^2 /NDF: 0.0/1

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

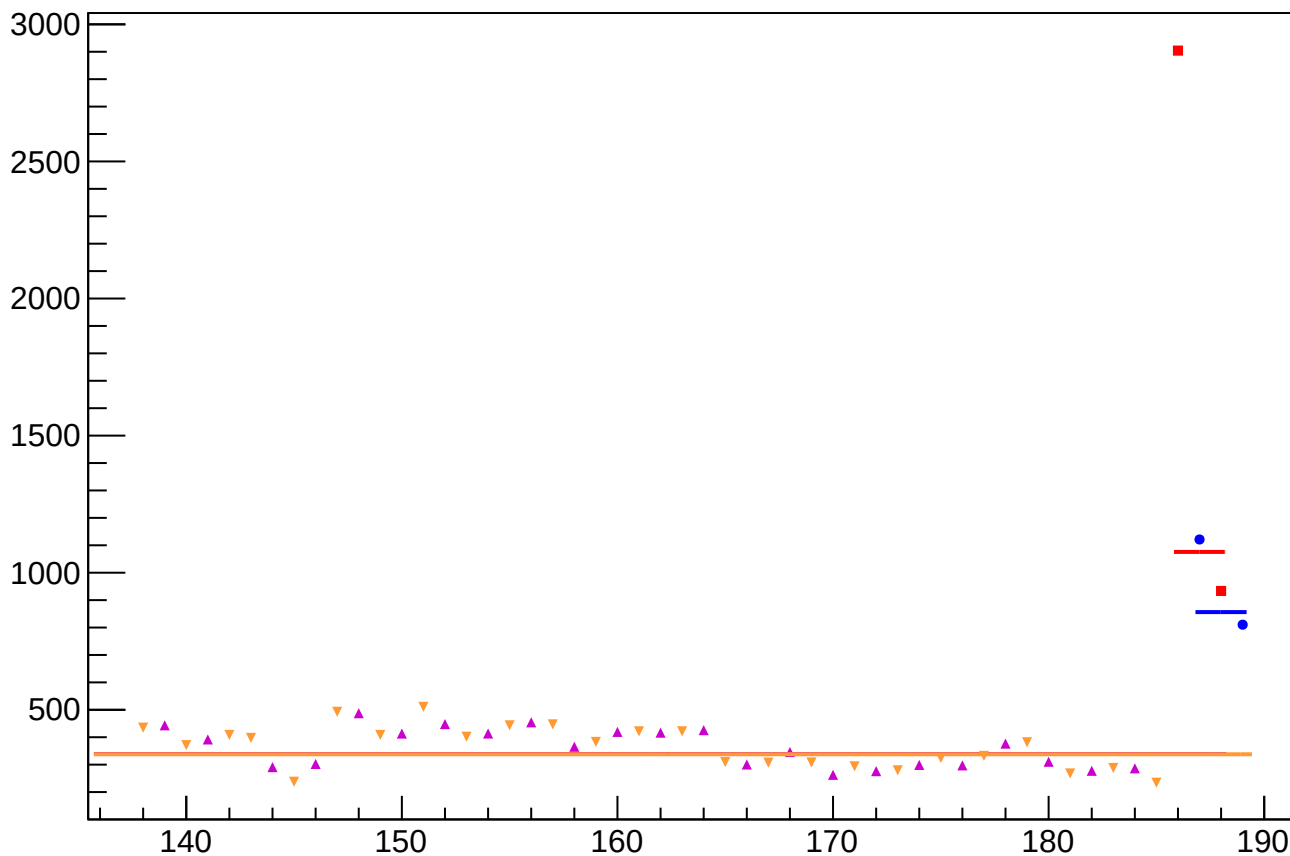
Right: 252.822 $\pm$ 838.544 χ^2 /NDF: 3.7/3

In: 52.889 $\pm$ 82.141 χ^2 /NDF:34.6/24

Out: 95.823 $\pm$ 80.608 χ^2 /NDF:32.4/26

All: 74.760 $\pm$ 57.533 χ^2 /NDF: 67.2/51

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 856.335 $\pm$ 0.784 χ^2 /NDF: 19763.2/1

Left Out: 337.809 $\pm$ 0.057 χ^2 /NDF:1576478.5/24

Right Out: 1075.833 $\pm$ 0.906 χ^2 /NDF: 316999.3/1

Left In: 338.855 $\pm$ 0.058 χ^2 /NDF:1225723.5/22

Left: 338.322 $\pm$ 0.041 χ^2 /NDF: 2802366.1/47

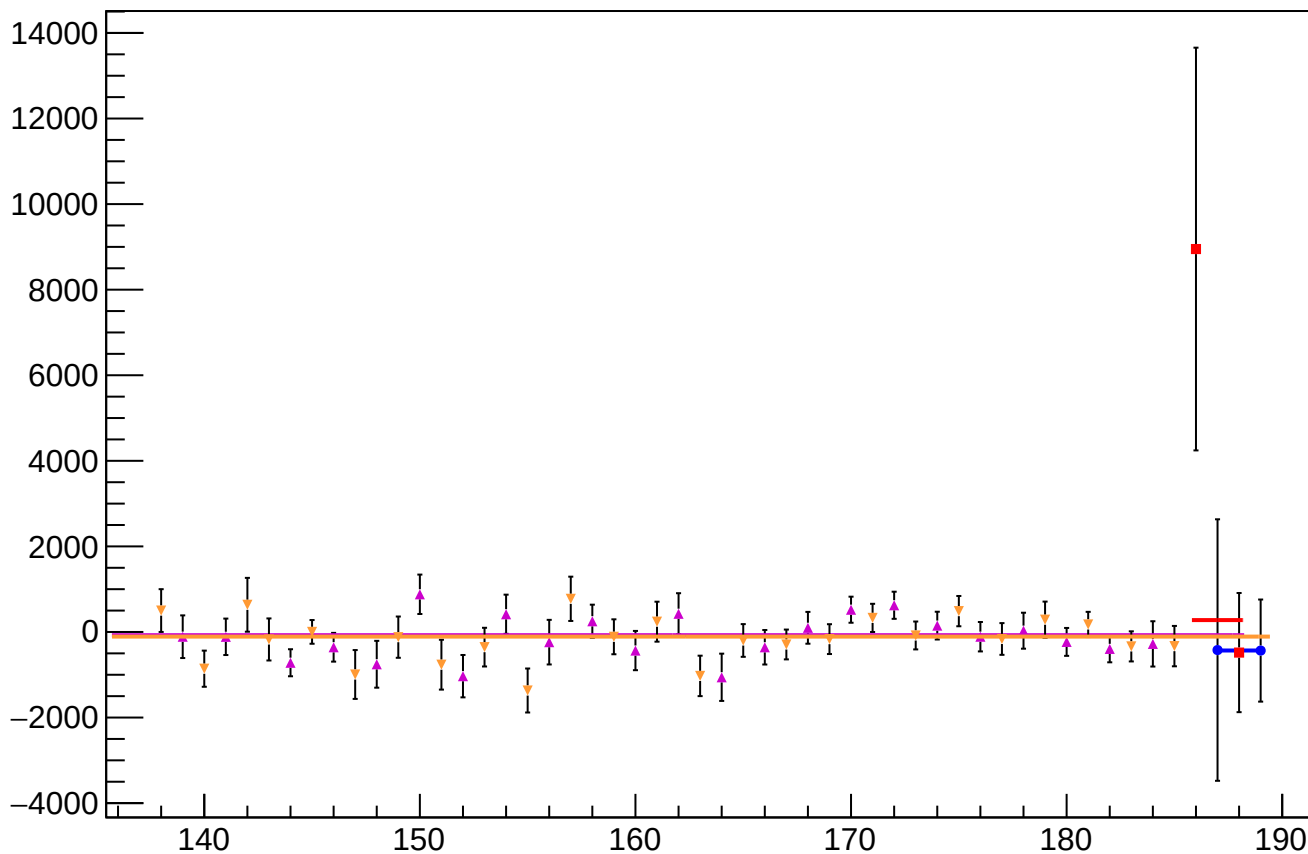
Right: 950.314 $\pm$ 0.593 χ^2 /NDF: 370314.2/3

In: 341.694 $\pm$ 0.058 χ^2 /NDF:1678654.2/24

Out: 340.729 $\pm$ 0.057 χ^2 /NDF:2554163.7/26

All: 341.203 $\pm$ 0.041 χ^2 /NDF: 4232958.4/51

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -433.052+/-1111.388 χ^2/NDF : 0.0/1

Left Out: -108.037+/-80.579 χ^2/NDF :30.9/24

Right Out: 277.754+/-1335.332 χ^2/NDF : 3.7/1

Left In: -74.986+/-81.949 χ^2/NDF :32.7/22

Left: -91.790+/-57.456 χ^2/NDF : 63.6/47

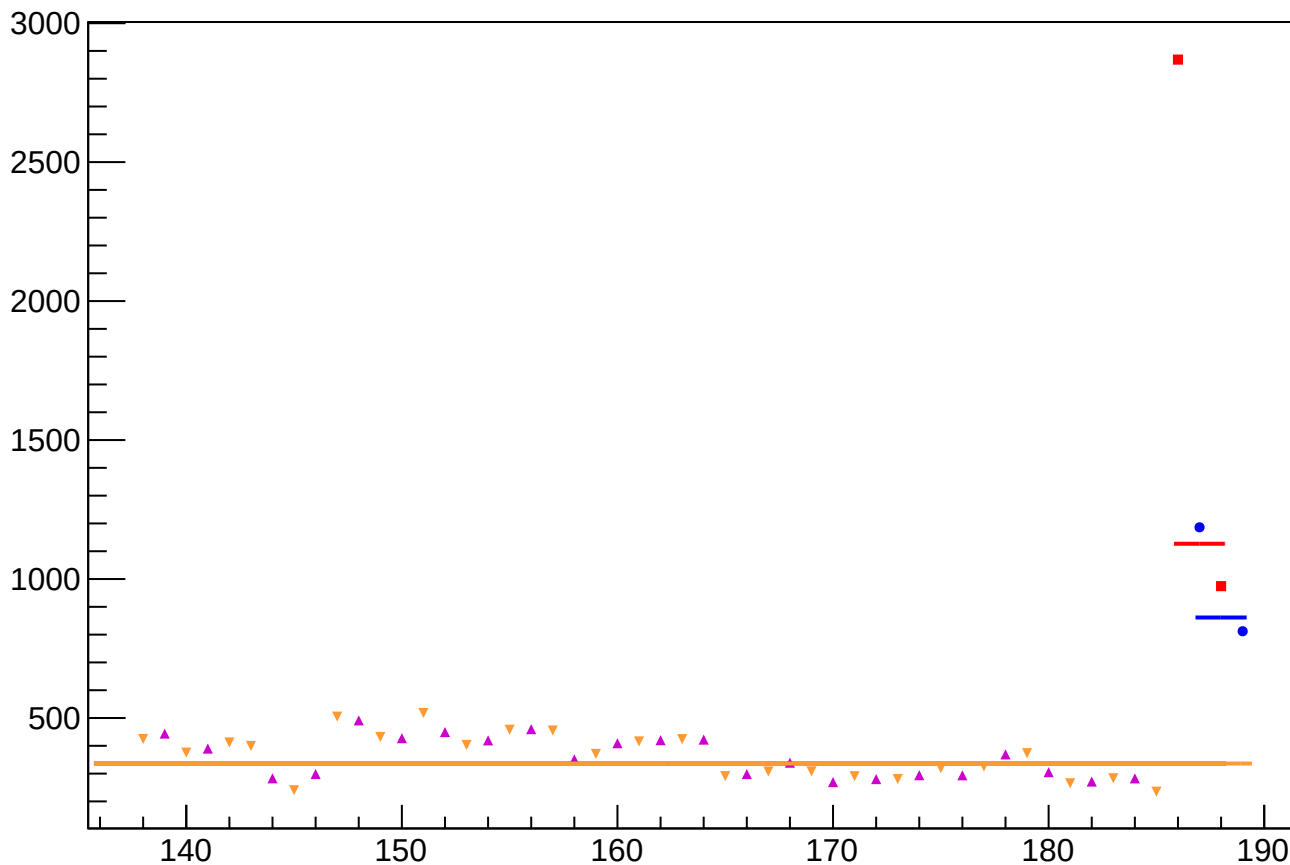
Right: -142.167+/-854.228 χ^2/NDF : 3.9/3

In: -76.922+/-81.727 χ^2/NDF :32.8/24

Out: -106.637+/-80.433 χ^2/NDF :34.6/26

All: -92.017+/-57.327 χ^2/NDF : 67.5/51

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 861.588 $\pm$ 0.786 χ^2 /NDF: 25984.1/1

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

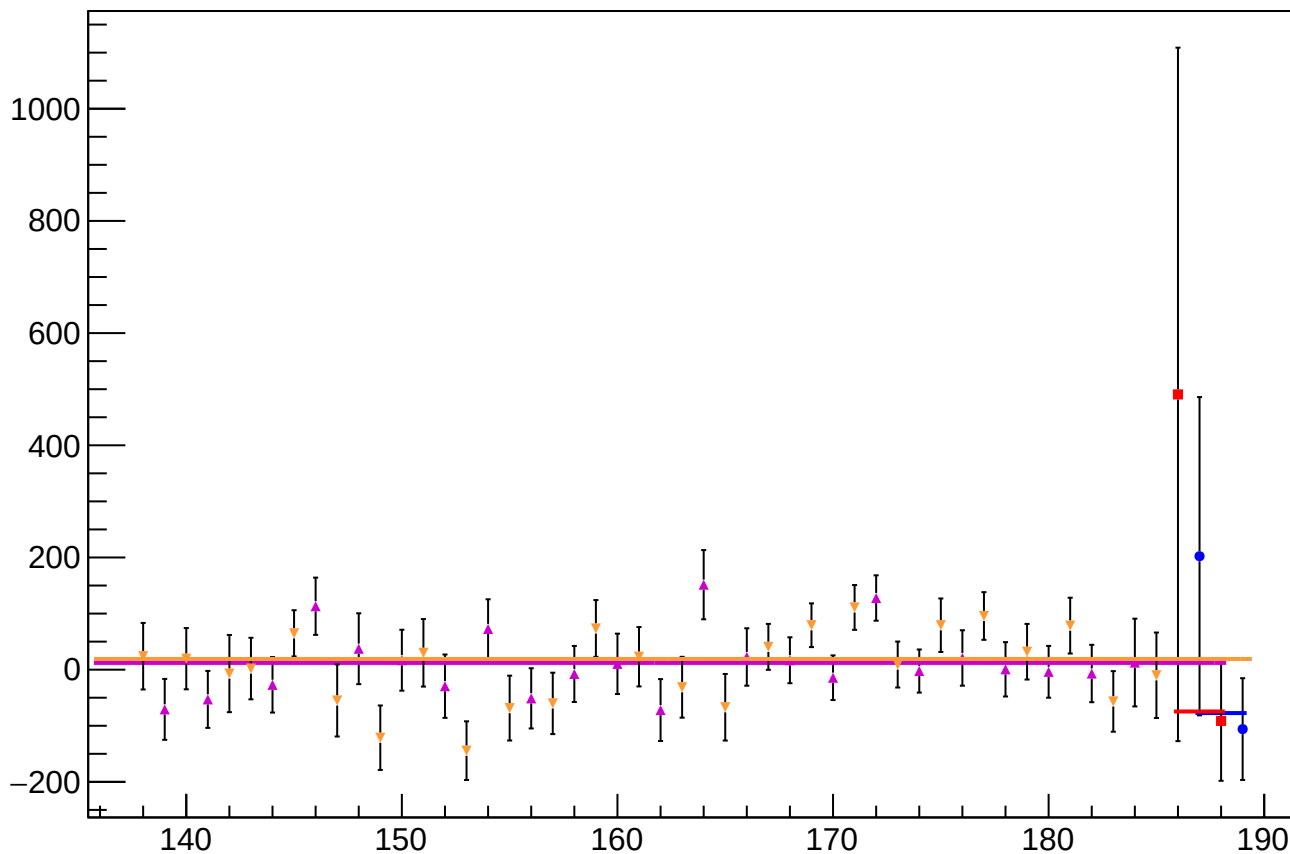
Right: 970.175 $\pm$ 0.604 χ^2 /NDF: 370598.9/3

In: 339.236 $\pm$ 0.058 χ^2 /NDF: 1739774.0/24

Out: 339.100 $\pm$ 0.057 χ^2 /NDF: 2656362.7/26

All: 339.167 $\pm$ 0.041 χ^2 /NDF: 4396139.4/51

dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -77.356 ± 86.399 χ^2/NDF : 1.1/1

Left Out: 19.081 ± 10.131 χ^2/NDF : 43.6/24

Right Out: -74.535 ± 105.166 χ^2/NDF : 0.9/1

Left In: 12.058 ± 10.418 χ^2/NDF : 28.7/22

Left: 15.667 ± 7.263 χ^2/NDF : 72.5/47

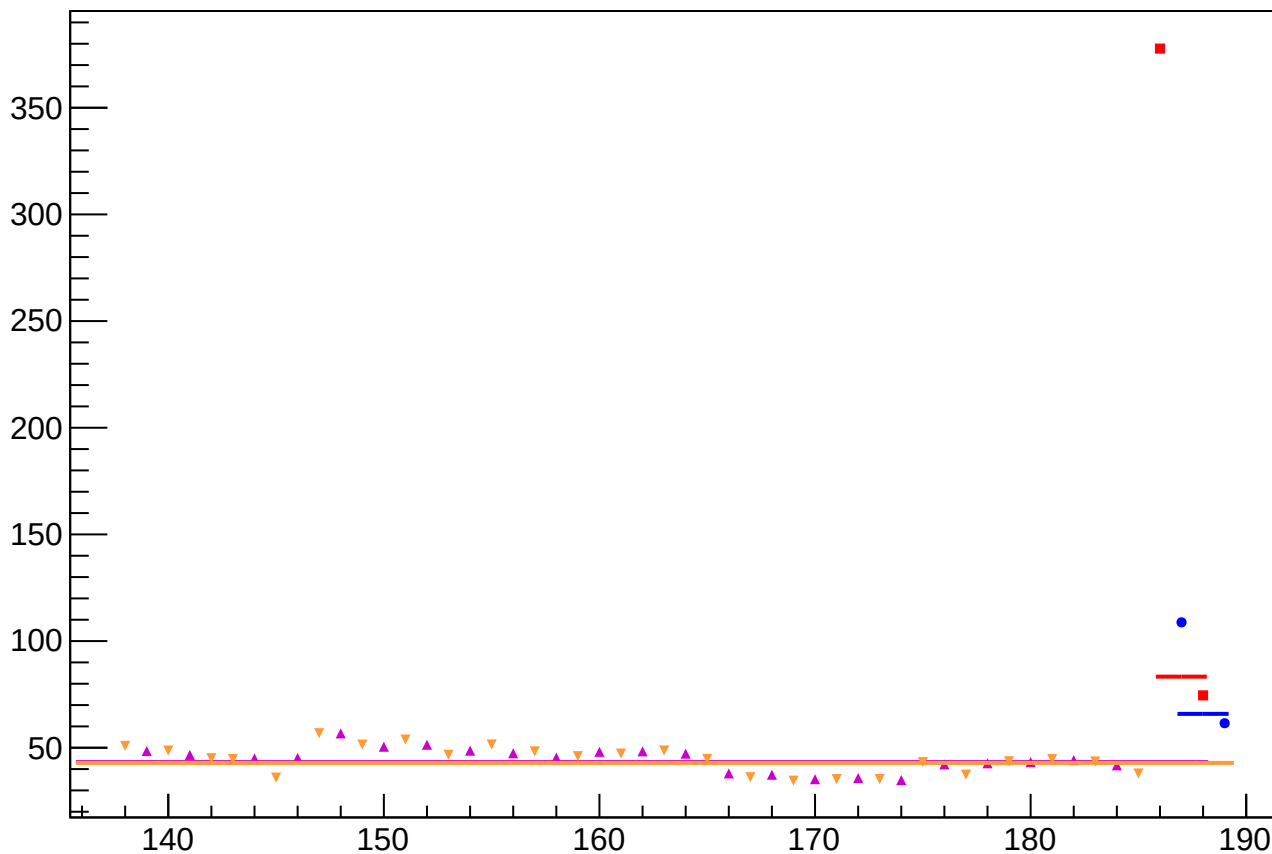
Right: -76.219 ± 66.759 χ^2/NDF : 1.9/3

In: 10.776 ± 10.343 χ^2/NDF : 30.8/24

Out: 18.220 ± 10.085 χ^2/NDF : 45.2/26

All: 14.592 ± 7.221 χ^2/NDF : 76.3/51

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 65.880 $\pm$ 0.061 χ^2 /NDF: 50427.6/1

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

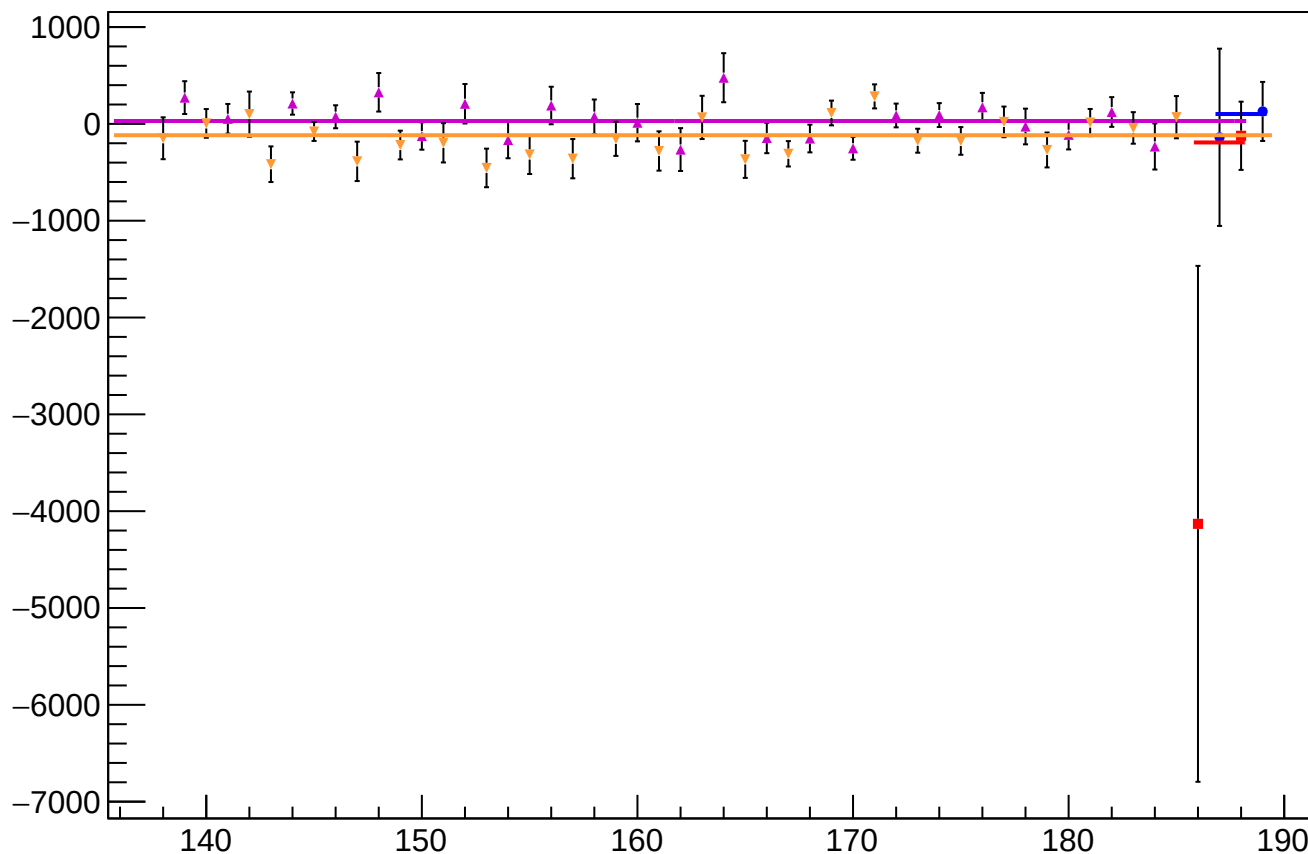
Right: 72.909 $\pm$ 0.047 χ^2 /NDF: 550497.1/3

In: 43.595 $\pm$ 0.007 χ^2 /NDF: 773460.2/24

Out: 43.263 $\pm$ 0.007 χ^2 /NDF: 1536826.9/26

All: 43.425 $\pm$ 0.005 χ^2 /NDF: 2311349.2/51

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 101.925 $\pm$ 289.261 χ^2 /NDF: 0.1/1

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

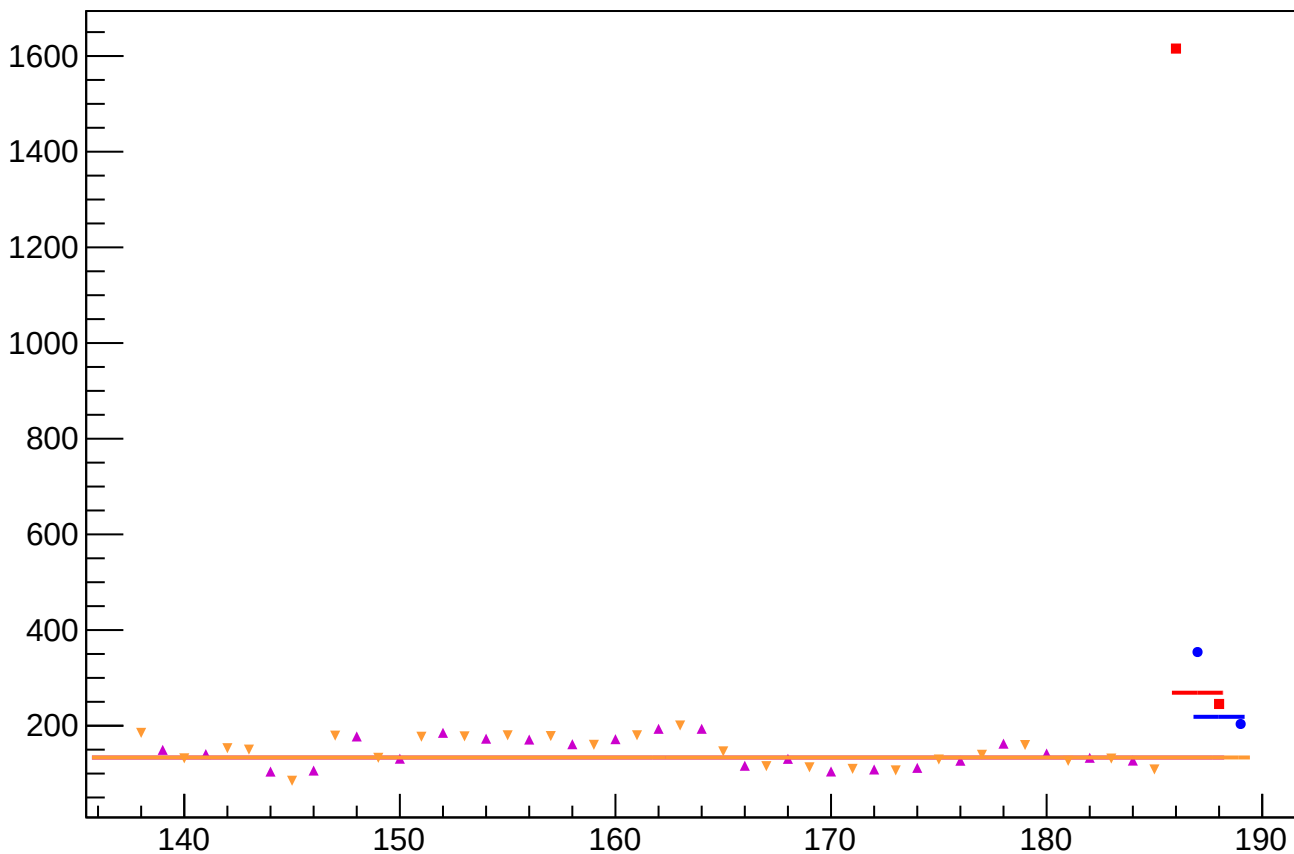
Right: -17.555 $\pm$ 222.789 χ^2 /NDF: 2.7/3

In: 30.783 $\pm$ 32.335 χ^2 /NDF:28.2/24

Out: -117.675 $\pm$ 31.955 χ^2 /NDF:36.8/26

All: -44.324 $\pm$ 22.729 χ^2 /NDF: 75.7/51

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 218.652 $\pm$ 0.205 χ^2 /NDF: 48607.1/1

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

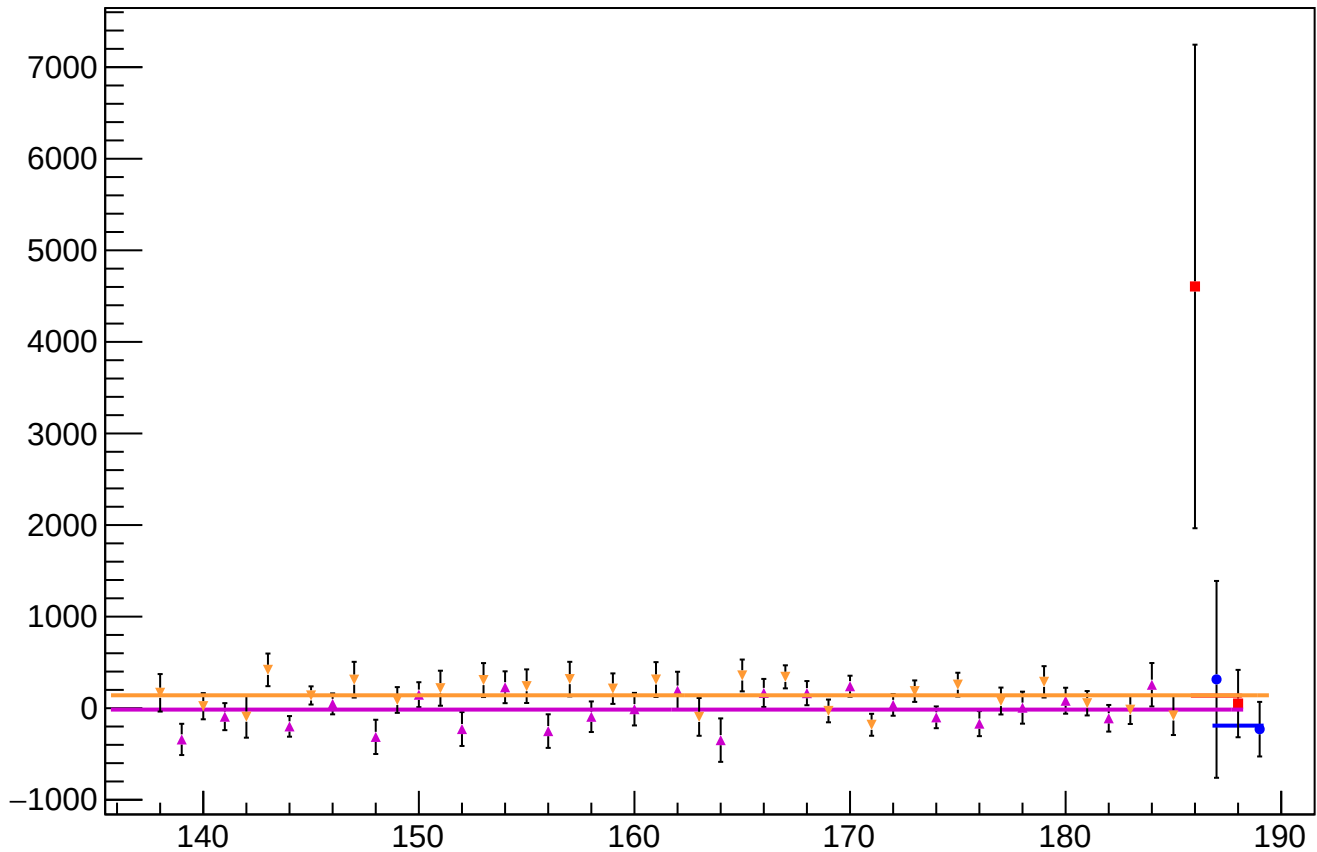
Right: 239.140 $\pm$ 0.158 χ^2 /NDF: 593115.2/3

In: 134.549 $\pm$ 0.023 χ^2 /NDF:1607438.4/24

Out: 134.781 $\pm$ 0.023 χ^2 /NDF:2629501.9/26

All: 134.667 $\pm$ 0.016 χ^2 /NDF: 4236992.4/51

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -190.213+/-287.148 χ^2/NDF : 0.2/1

Left Out: 141.008+/-30.636 χ^2/NDF :27.1/24

Right Out: 137.358+/-364.348 χ^2/NDF : 2.9/1

Left In: -15.199+/-31.033 χ^2/NDF :31.4/22

Left: 63.911+/-21.802 χ^2/NDF : 71.3/47

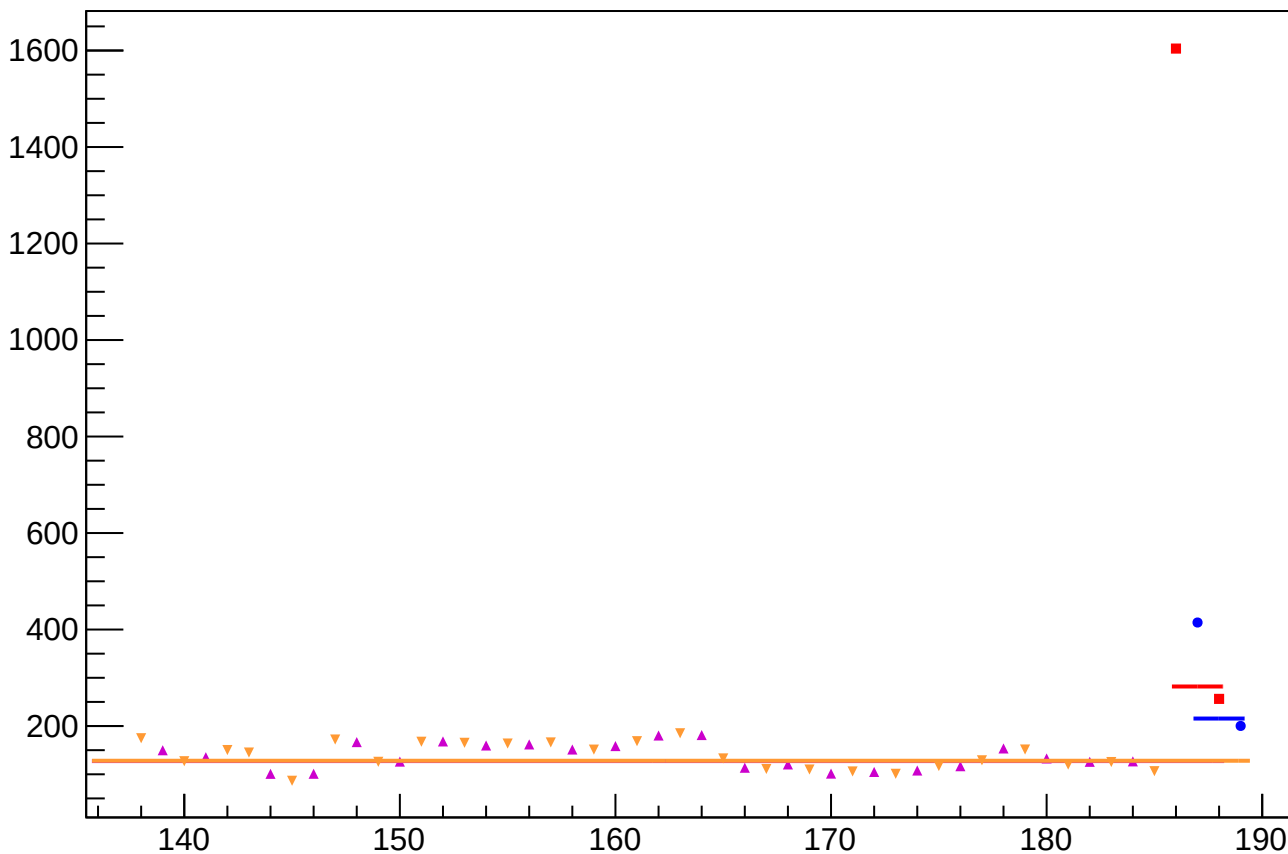
Right: -64.706+/-225.526 χ^2/NDF : 3.7/3

In: -17.219+/-30.853 χ^2/NDF :32.0/24

Out: 140.982+/-30.528 χ^2/NDF :30.1/26

All: 62.720+/-21.701 χ^2/NDF : 75.3/51

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 215.536 $\pm$ 0.203 χ^2 /NDF: 73849.2/1

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

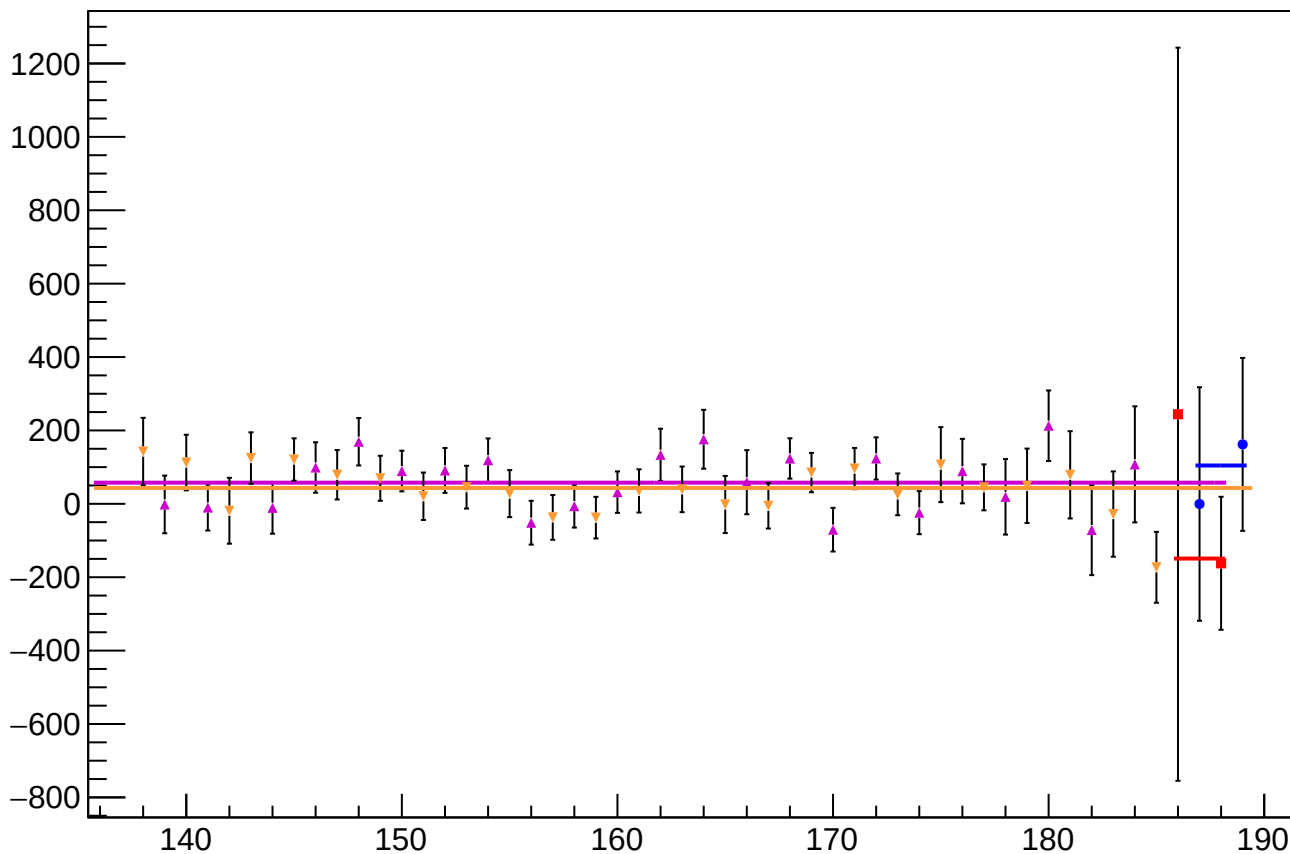
Right: 240.984 $\pm$ 0.159 χ^2 /NDF: 626086.1/3

In: 128.397 $\pm$ 0.022 χ^2 /NDF:1490078.9/24

Out: 129.140 $\pm$ 0.022 χ^2 /NDF:2395837.5/26

All: 128.773 $\pm$ 0.015 χ^2 /NDF: 3886501.8/51

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 104.466 $\pm$ 189.336 χ^2 /NDF: 0.2/1

Left Out: 43.099 $\pm$ 13.598 χ^2 /NDF:18.5/24

Right Out: -149.119 $\pm$ 178.301 χ^2 /NDF: 0.2/1

Left In: 57.672 $\pm$ 14.197 χ^2 /NDF:29.2/22

Left: 50.072 $\pm$ 9.820 χ^2 /NDF: 48.2/47

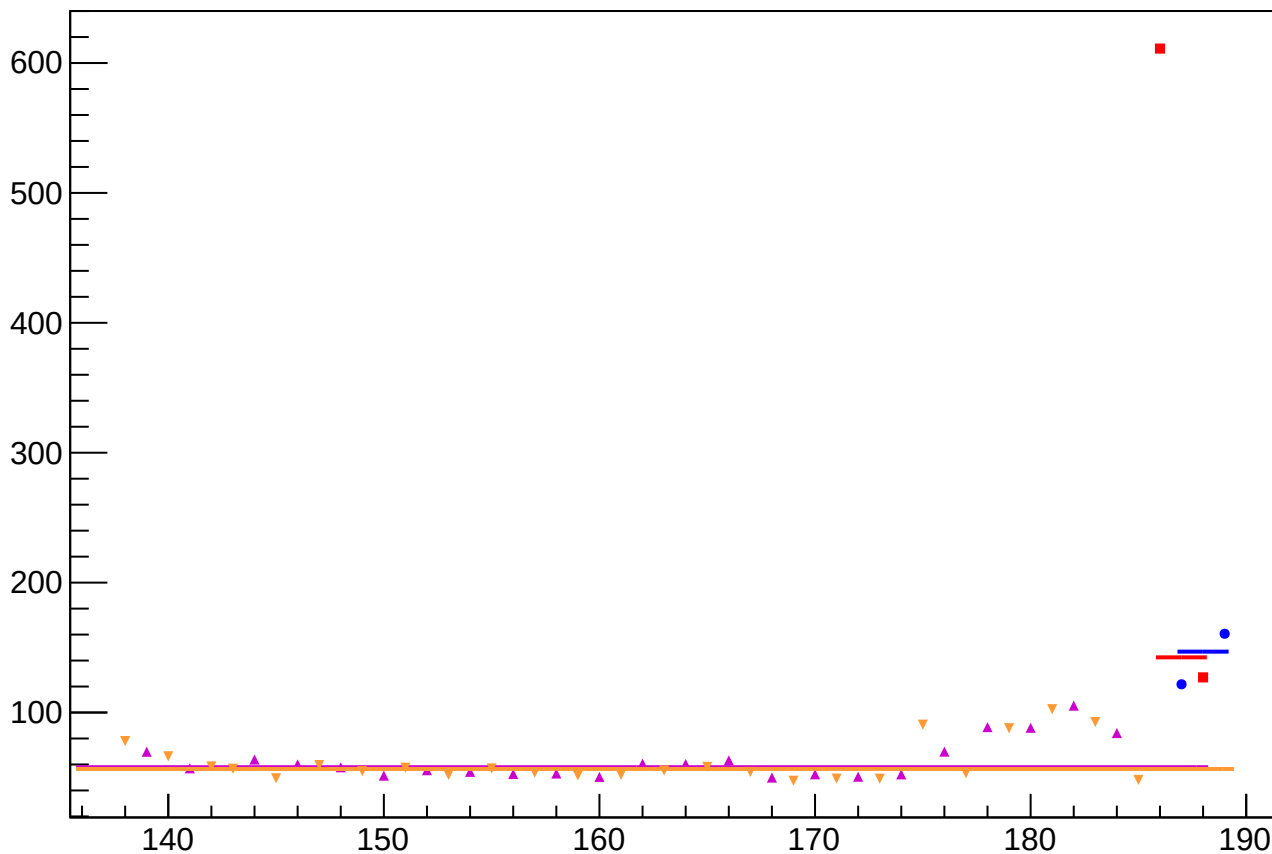
Right: -29.931 $\pm$ 129.804 χ^2 /NDF: 1.3/3

In: 57.934 $\pm$ 14.157 χ^2 /NDF:29.4/24

Out: 41.988 $\pm$ 13.559 χ^2 /NDF:19.8/26

All: 49.617 $\pm$ 9.792 χ^2 /NDF: 49.9/51

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 146.864 $\pm$ 0.134 χ^2 /NDF: 19290.6/1

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

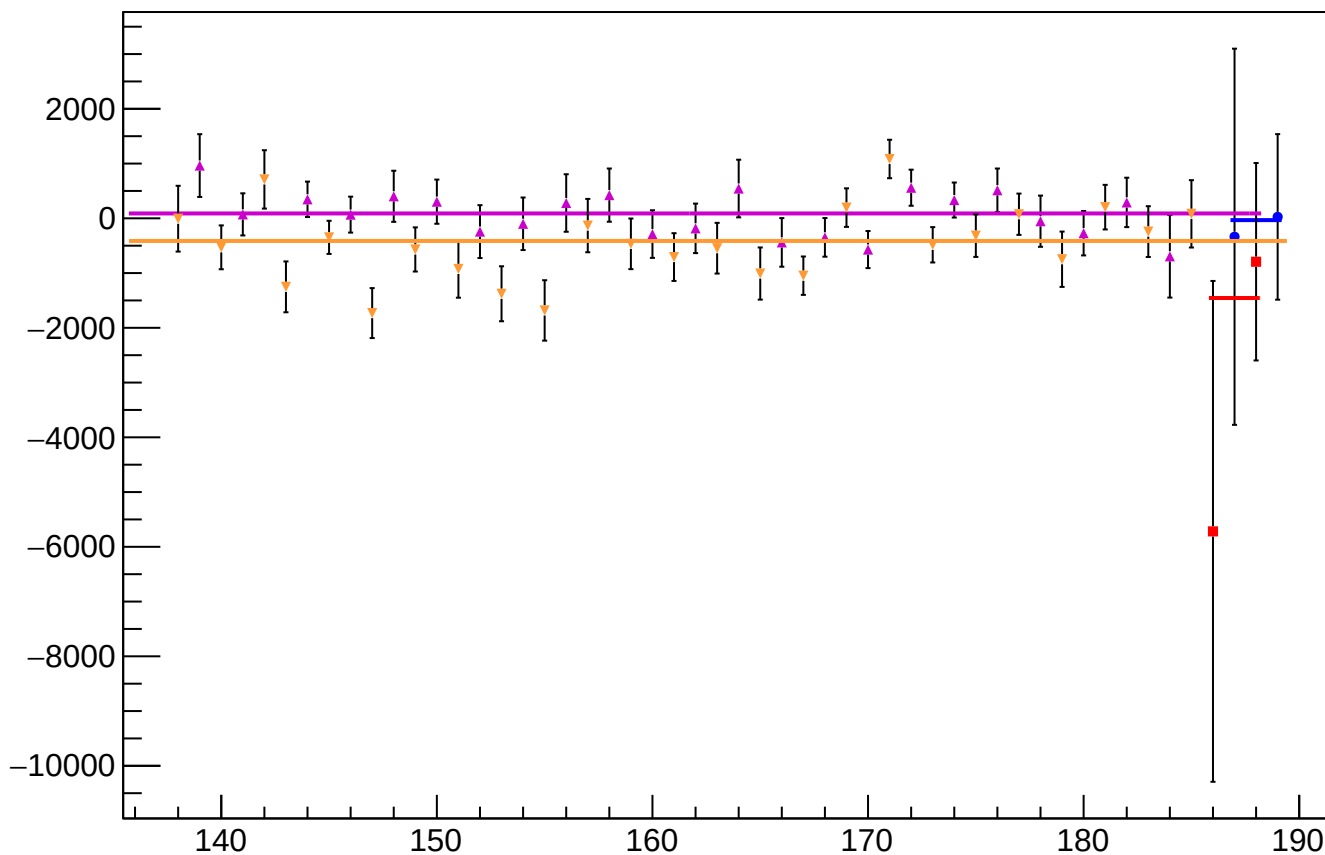
Right: 144.535 $\pm$ 0.092 χ^2 /NDF: 474531.3/3

In: 58.400 $\pm$ 0.010 χ^2 /NDF:1512032.8/24

Out: 57.047 $\pm$ 0.010 χ^2 /NDF:2198141.4/26

All: 57.694 $\pm$ 0.007 χ^2 /NDF: 3719698.1/51

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -32.978 ± 1383.717 $\chi^2/\text{NDF}: 0.0/1$

Left Out: -413.404 ± 85.138 $\chi^2/\text{NDF}: 58.9/24$

Right Out: -1455.529 ± 1677.560 $\chi^2/\text{NDF}: 1.0/1$

Left In: 88.888 ± 86.344 $\chi^2/\text{NDF}: 19.5/22$

Left: -165.789 ± 60.624 $\chi^2/\text{NDF}: 95.5/47$

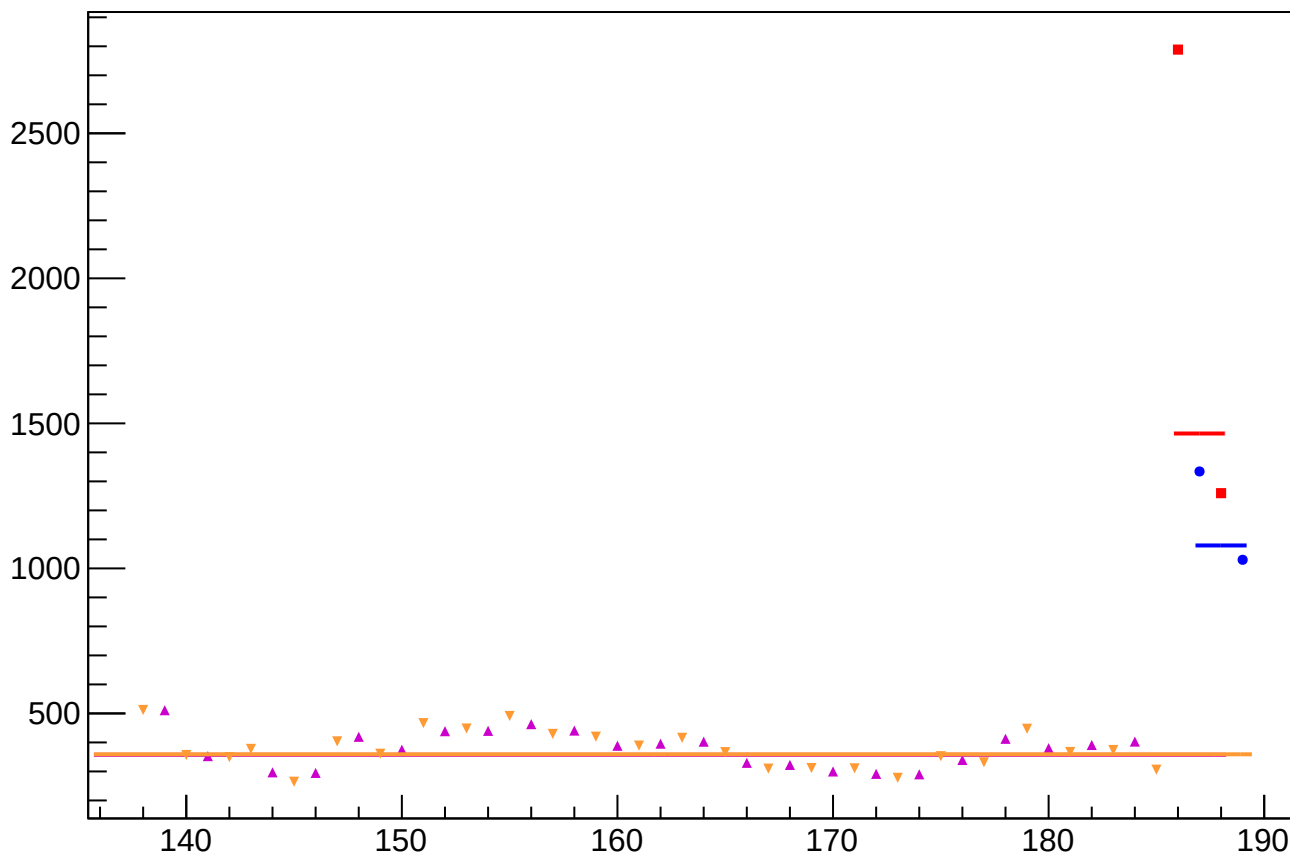
Right: -608.953 ± 1067.447 $\chi^2/\text{NDF}: 1.4/3$

In: 88.415 ± 86.176 $\chi^2/\text{NDF}: 19.5/24$

Out: -416.081 ± 85.029 $\chi^2/\text{NDF}: 60.3/26$

All: -167.214 ± 60.526 $\chi^2/\text{NDF}: 97.1/51$

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 1079.114+/-0.978 χ^2/NDF : 13167.9/1

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

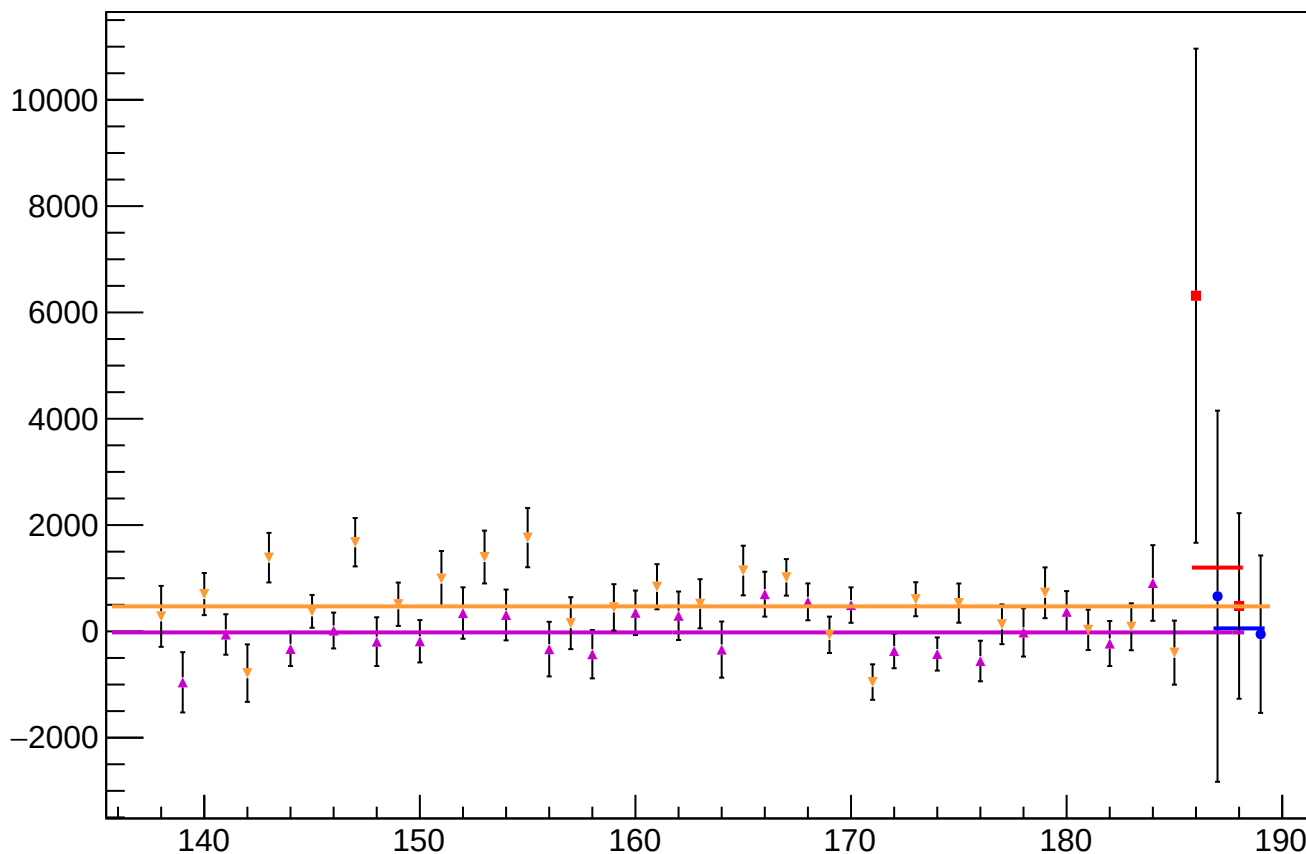
Right: 1235.389+/-0.755 χ^2/NDF : 269650.2/3

In: 360.007+/-0.061 χ^2/NDF :1485974.0/24

Out: 361.931+/-0.060 χ^2/NDF :2116027.8/26

All: 360.982+/-0.043 χ^2/NDF : 3602506.6/51

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 56.117+/-1363.193 χ^2/NDF : 0.0/1

Left Out: 470.804+/-83.480 χ^2/NDF :58.7/24

Right Out: 1200.102+/-1634.250 χ^2/NDF : 1.4/1

Left In: -19.328+/-84.679 χ^2/NDF :23.7/22

Left: 229.235+/-59.449 χ^2/NDF : 99.4/47

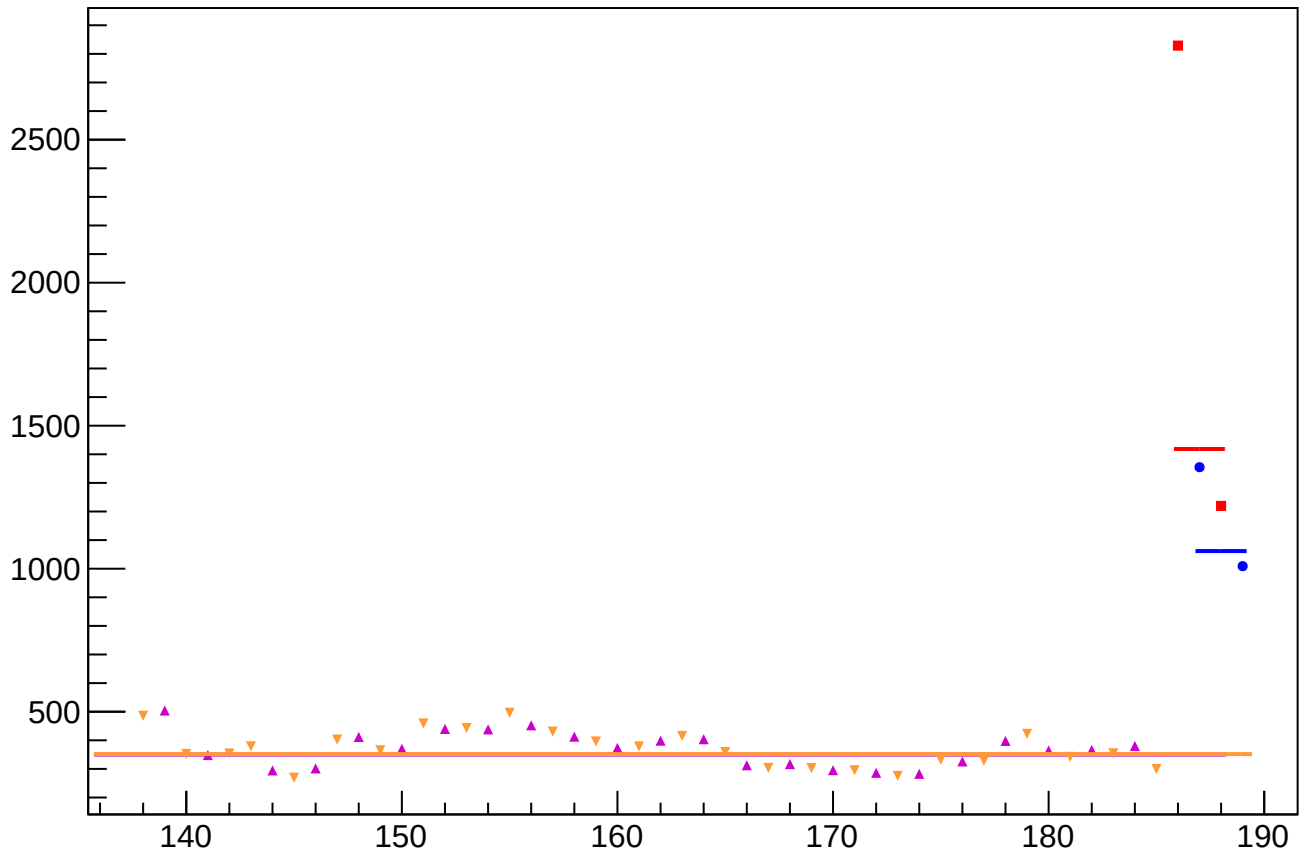
Right: 525.499+/-1046.819 χ^2/NDF : 1.7/3

In: -19.038+/-84.516 χ^2/NDF :23.7/24

Out: 472.702+/-83.371 χ^2/NDF :60.3/26

All: 230.187+/-59.353 χ^2/NDF : 101.1/51

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 1061.636 $\pm$ 0.964 χ^2 /NDF: 16653.2/1

Left Out: 351.777 $\pm$ 0.059 χ^2 /NDF:1016791.1/24

Right Out: 1418.518 $\pm$ 1.156 χ^2 /NDF: 210174.0/1

Left In: 350.037 $\pm$ 0.060 χ^2 /NDF:889435.7/22

Left: 350.919 $\pm$ 0.042 χ^2 /NDF: 1906655.0/47

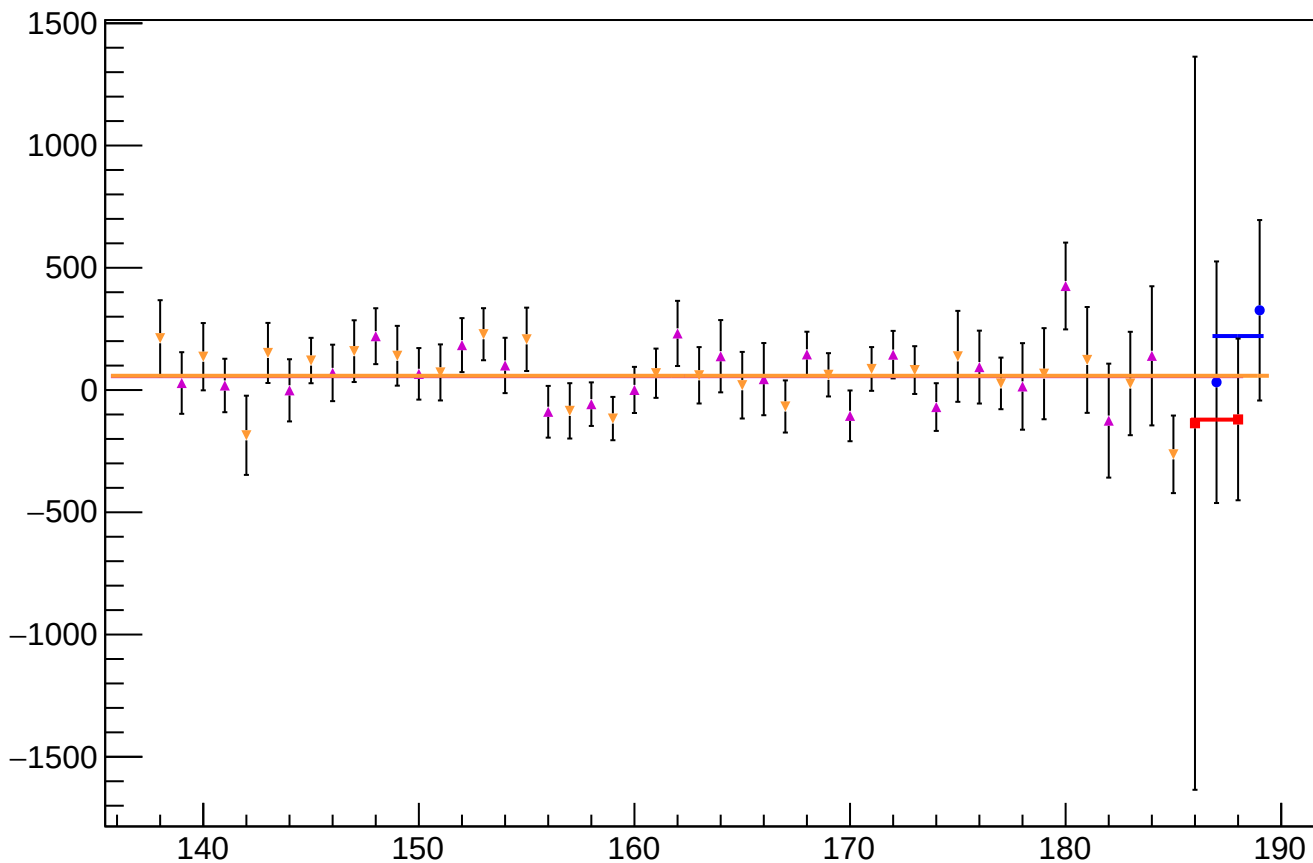
Right: 1208.066 $\pm$ 0.740 χ^2 /NDF: 283070.3/3

In: 352.772 $\pm$ 0.060 χ^2 /NDF:1448980.6/24

Out: 354.553 $\pm$ 0.059 χ^2 /NDF:2076887.1/26

All: 353.675 $\pm$ 0.042 χ^2 /NDF: 3526317.8/51

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 220.801 $\pm$ 295.655 χ^2 /NDF: 0.2/1

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

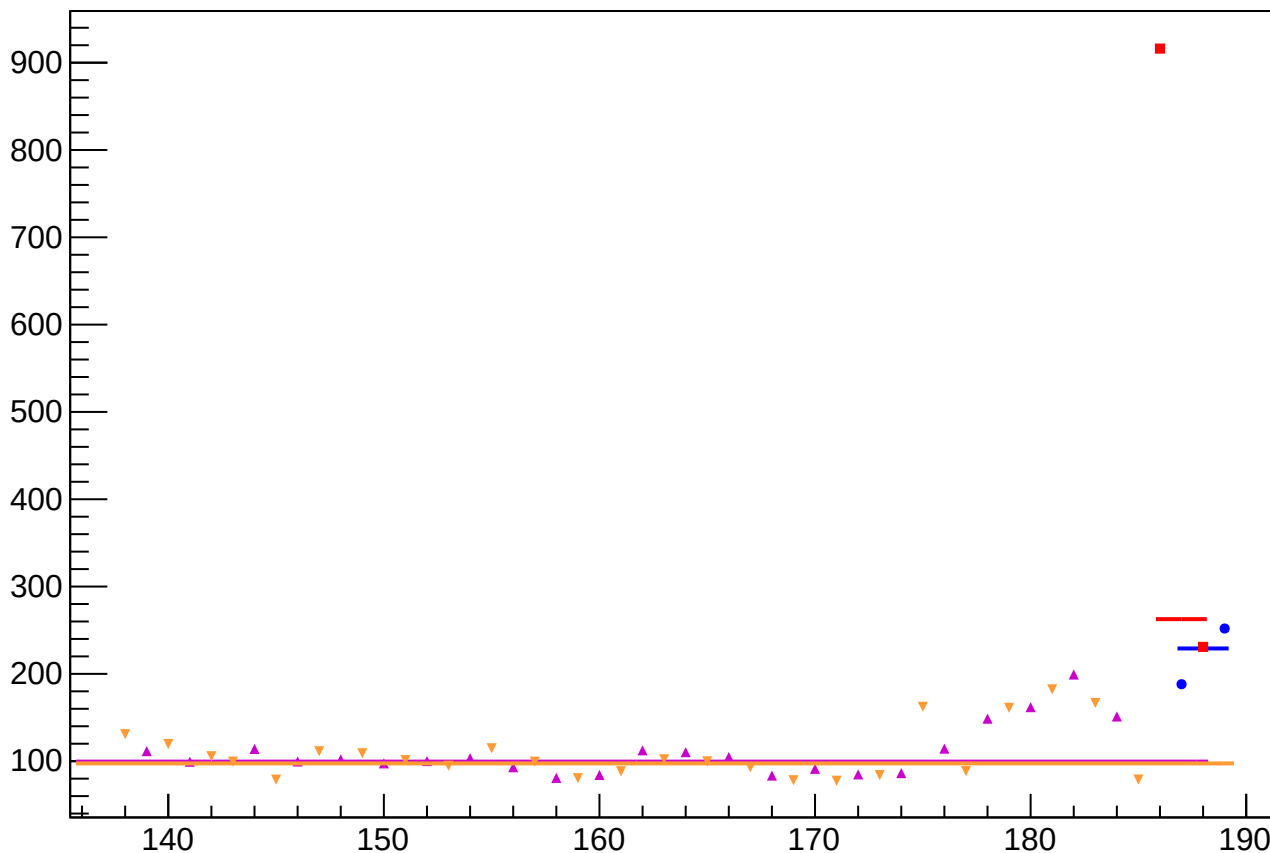
Right: 64.899 $\pm$ 218.036 χ^2 /NDF: 0.8/3

In: 57.889 $\pm$ 24.564 χ^2 /NDF:21.4/24

Out: 57.331 $\pm$ 23.657 χ^2 /NDF:21.5/26

All: 57.600 $\pm$ 17.040 χ^2 /NDF: 42.9/51

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 229.098 $\pm$ 0.209 χ^2 /NDF: 21411.6/1

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

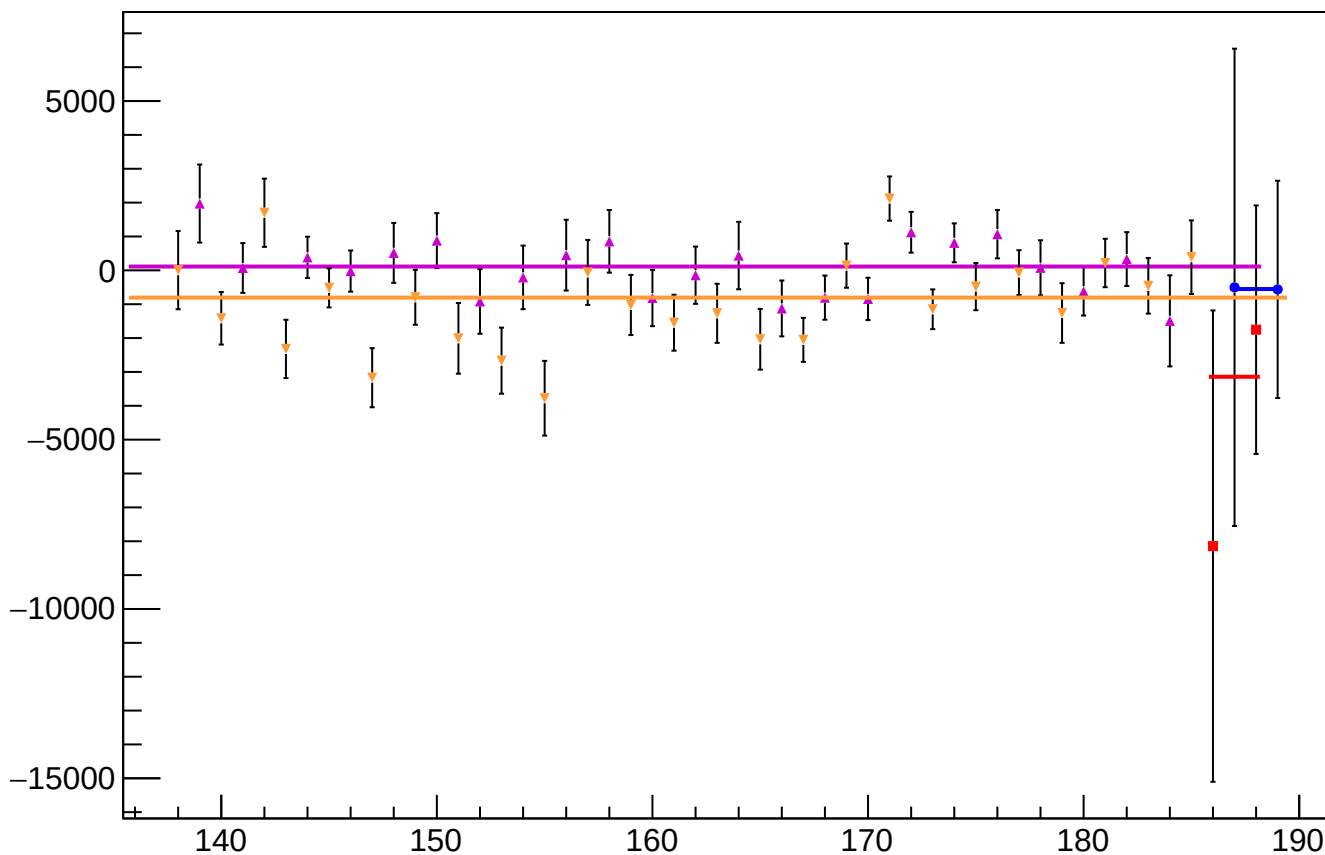
Right: 244.413 $\pm$ 0.154 χ^2 /NDF: 431641.9/3

In: 100.401 $\pm$ 0.017 χ^2 /NDF:1638761.4/24

Out: 98.330 $\pm$ 0.017 χ^2 /NDF:2598009.3/26

All: 99.326 $\pm$ 0.012 χ^2 /NDF: 4244148.2/51

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -551.984 $\pm$ 2920.003 χ^2 /NDF: 0.0/1

Left Out: -804.852 $\pm$ 158.828 χ^2 /NDF:65.2/24

Right Out: -3142.837 $\pm$ 3246.441 χ^2 /NDF: 0.7/1

Left In: 112.802 $\pm$ 160.711 χ^2 /NDF:22.7/22

Left: -351.432 $\pm$ 112.968 χ^2 /NDF: 104.3/47

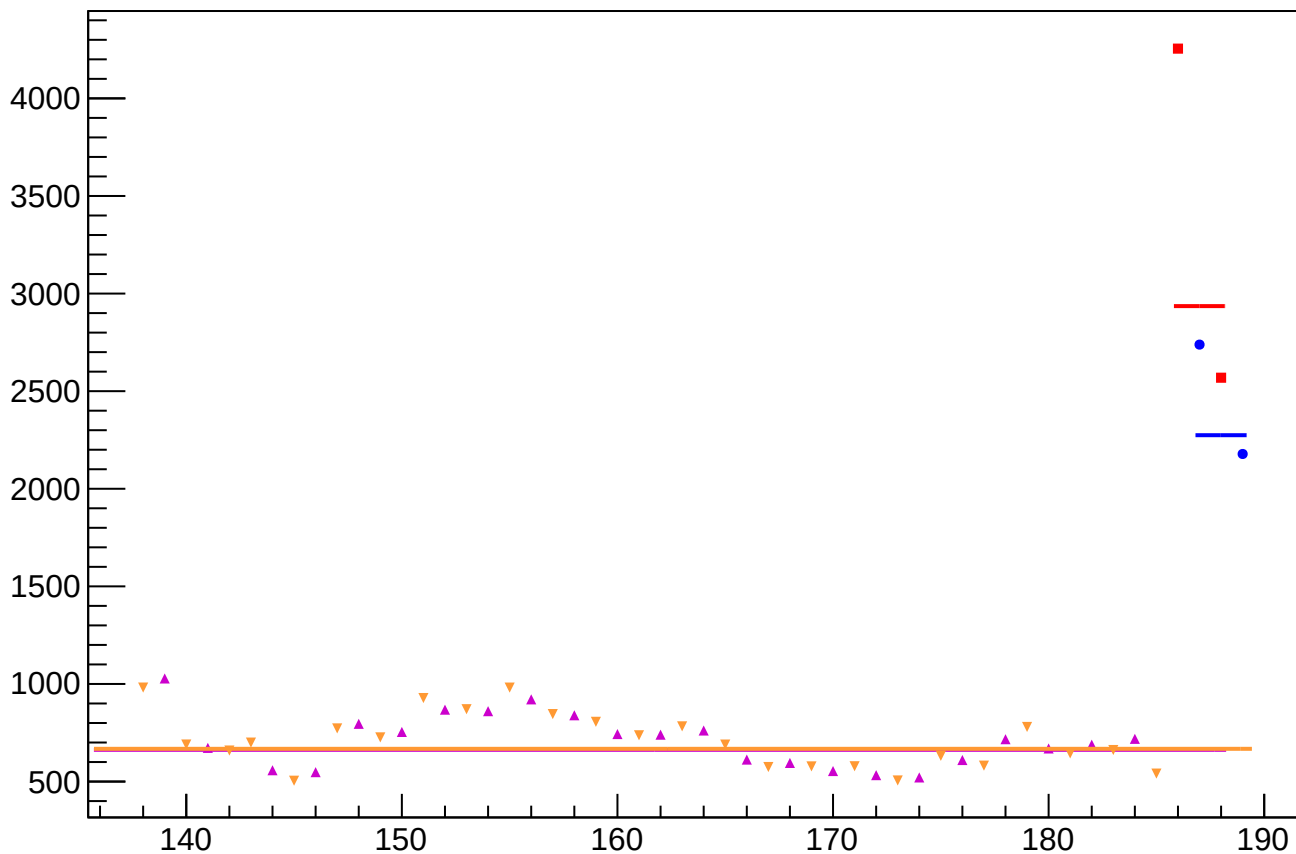
Right: -1710.640 $\pm$ 2171.017 χ^2 /NDF: 1.0/3

In: 110.794 $\pm$ 160.468 χ^2 /NDF:22.7/24

Out: -810.434 $\pm$ 158.639 χ^2 /NDF:66.3/26

All: -355.102 $\pm$ 112.816 χ^2 /NDF: 105.7/51

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 2274.428+/-2.065 χ^2/NDF : 10470.3/1

Left Out: 667.726+/-0.112 χ^2/NDF :1262178.1/24

Right Out: 2935.767+/-2.296 χ^2/NDF : 91826.5/1

Left In: 662.577+/-0.114 χ^2/NDF :1163749.4/22

Left: 665.182+/-0.080 χ^2/NDF : 2426966.2/47

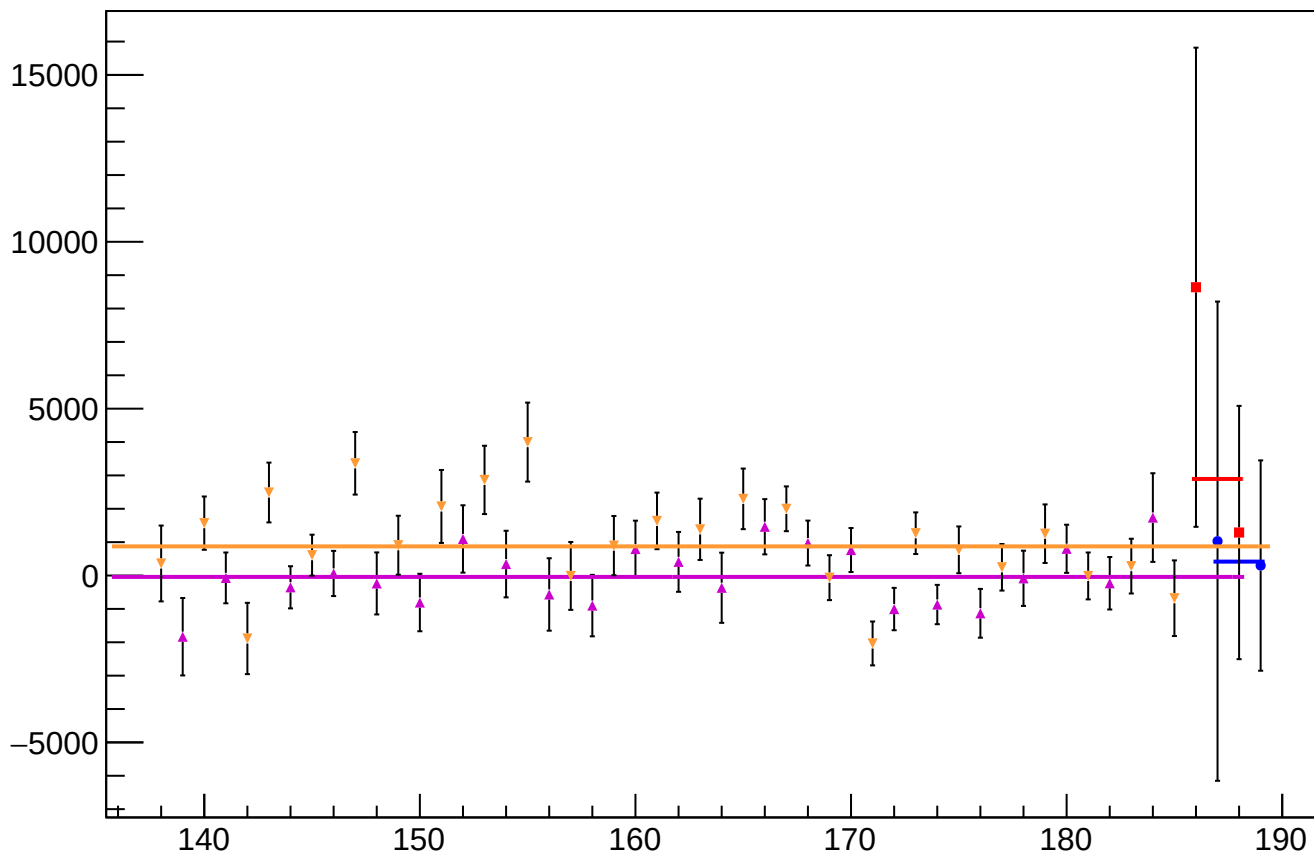
Right: 2570.185+/-1.535 χ^2/NDF : 148176.7/3

In: 667.445+/-0.113 χ^2/NDF :1781794.6/24

Out: 673.142+/-0.112 χ^2/NDF :2327823.6/26

All: 670.326+/-0.080 χ^2/NDF : 4110893.2/51

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 416.847 $\pm$ 2885.814 χ^2 /NDF: 0.0/1

Left Out: 873.446 $\pm$ 164.269 χ^2 /NDF: 64.1/24

Right Out: 2893.769 $\pm$ 3354.821 χ^2 /NDF: 0.8/1

Left In: -41.522 $\pm$ 166.728 χ^2 /NDF: 24.1/22

Left: 422.759 $\pm$ 117.015 χ^2 /NDF: 103.5/47

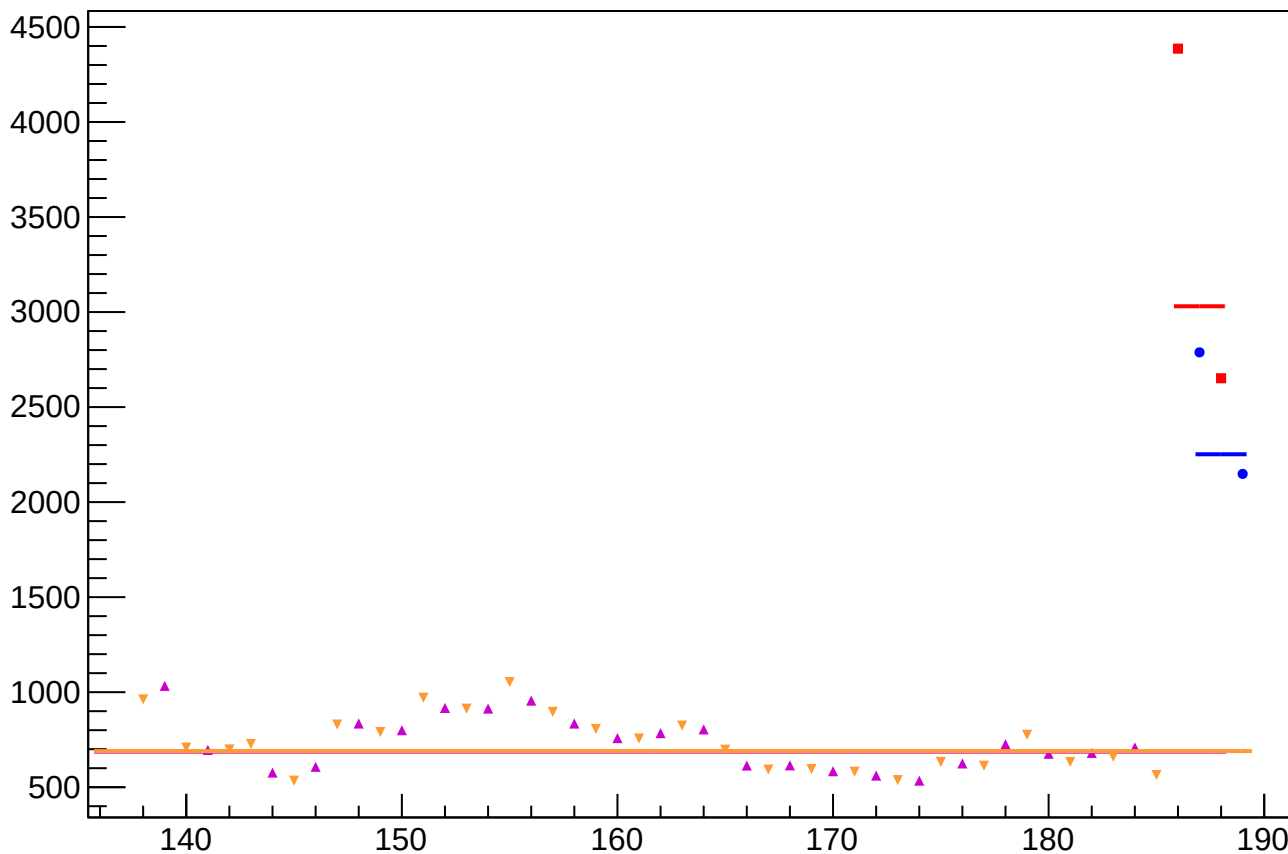
Right: 1470.204 $\pm$ 2187.766 χ^2 /NDF: 1.1/3

In: -39.997 $\pm$ 166.450 χ^2 /NDF: 24.1/24

Out: 878.278 $\pm$ 164.072 χ^2 /NDF: 65.3/26

All: 425.747 $\pm$ 116.848 χ^2 /NDF: 104.9/51

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 2251.736 $\pm$ 2.041 χ^2 /NDF: 13309.5/1

Left Out: 689.767 $\pm$ 0.116 χ^2 /NDF:1258608.7/24

Right Out: 3030.462 $\pm$ 2.372 χ^2 /NDF: 91241.0/1

Left In: 686.944 $\pm$ 0.118 χ^2 /NDF:1116042.4/22

Left: 688.376 $\pm$ 0.083 χ^2 /NDF: 2374942.1/47

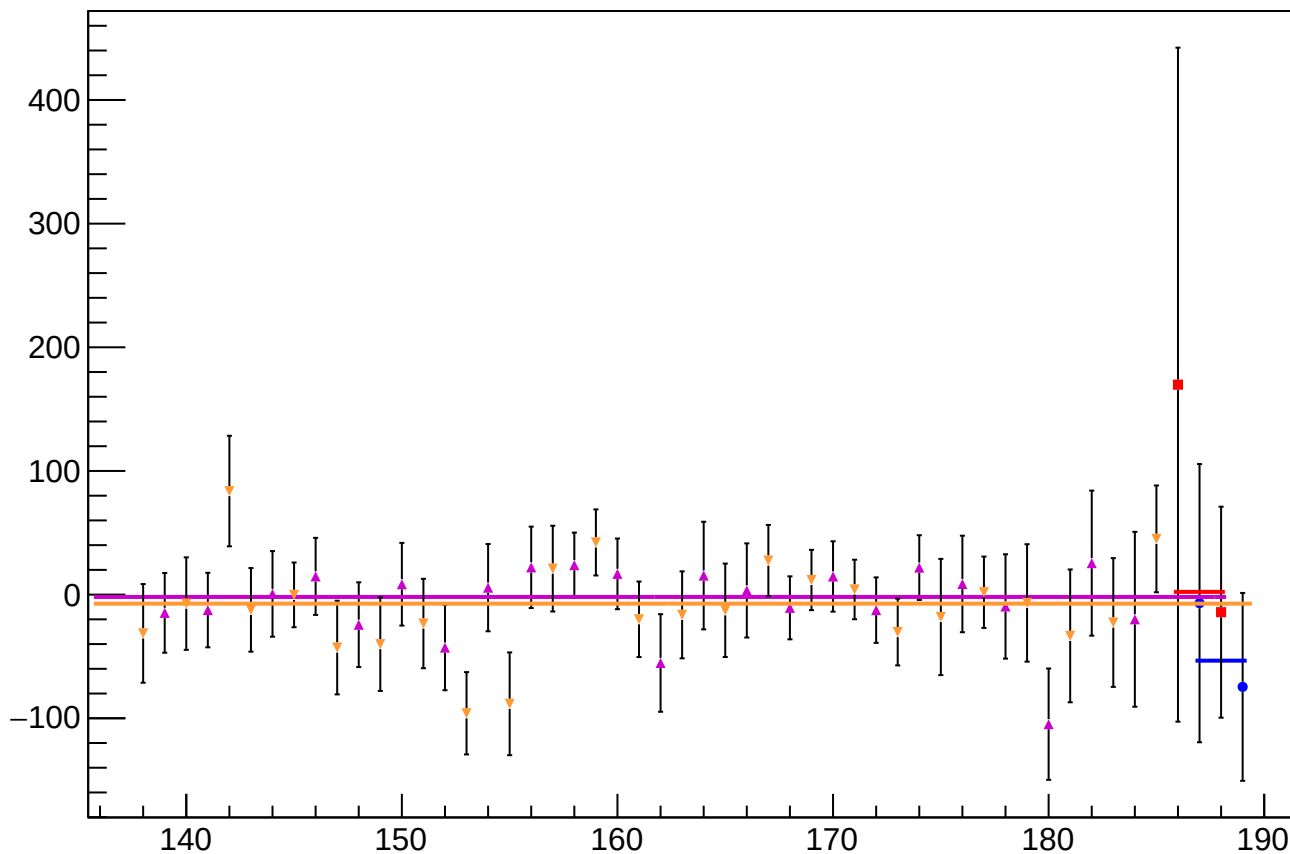
Right: 2582.904 $\pm$ 1.547 χ^2 /NDF: 166483.9/3

In: 692.149 $\pm$ 0.118 χ^2 /NDF:1715435.5/24

Out: 695.365 $\pm$ 0.116 χ^2 /NDF:2321122.2/26

All: 693.780 $\pm$ 0.083 χ^2 /NDF: 4036936.2/51

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -53.407 ± 62.951 χ^2/NDF : 0.2/1

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

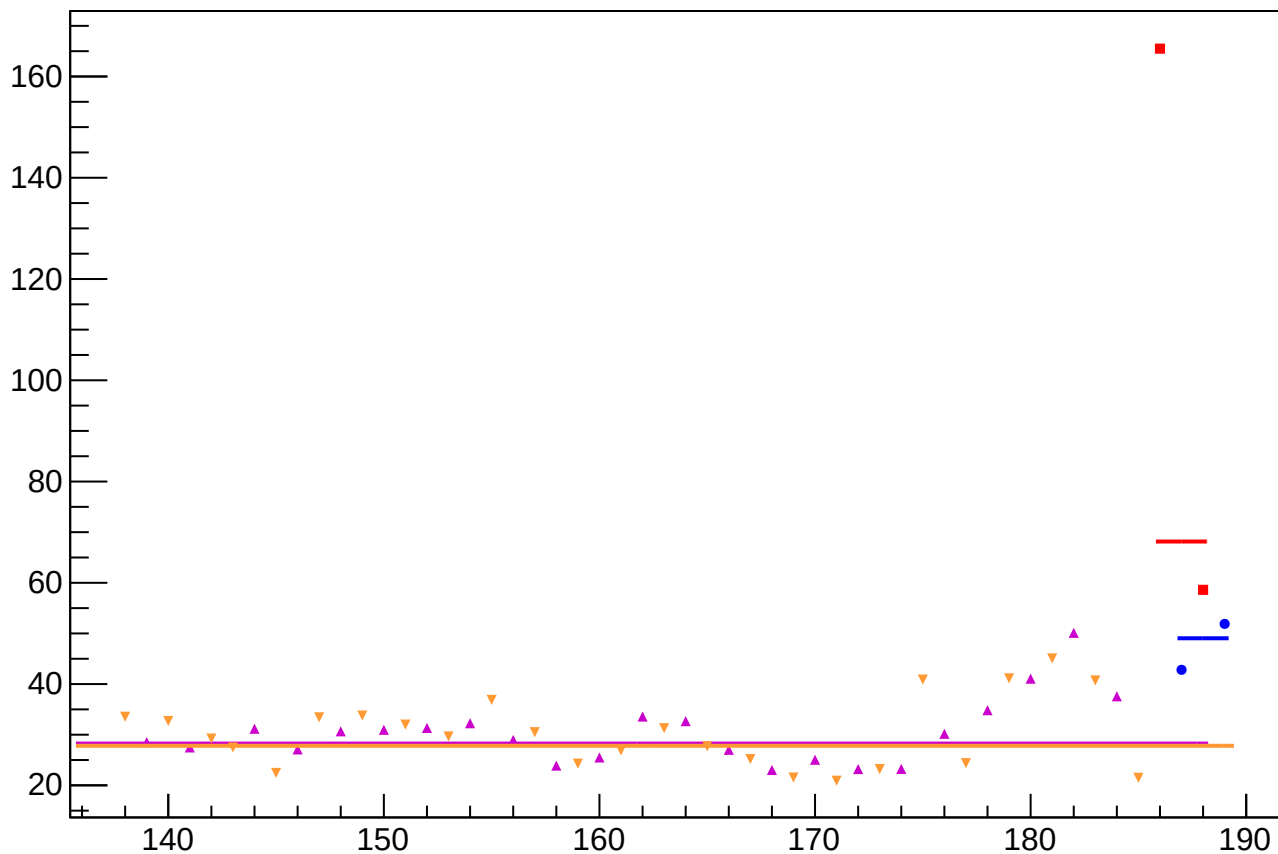
Right: -32.596 ± 49.801 χ^2/NDF : 1.0/3

In: -2.522 ± 6.920 χ^2/NDF : 14.4/24

Out: -7.237 ± 6.723 χ^2/NDF : 27.1/26

All: -4.947 ± 4.822 χ^2/NDF : 41.8/51

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 49.045 $\pm$ 0.045 χ^2 /NDF: 8934.1/1

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

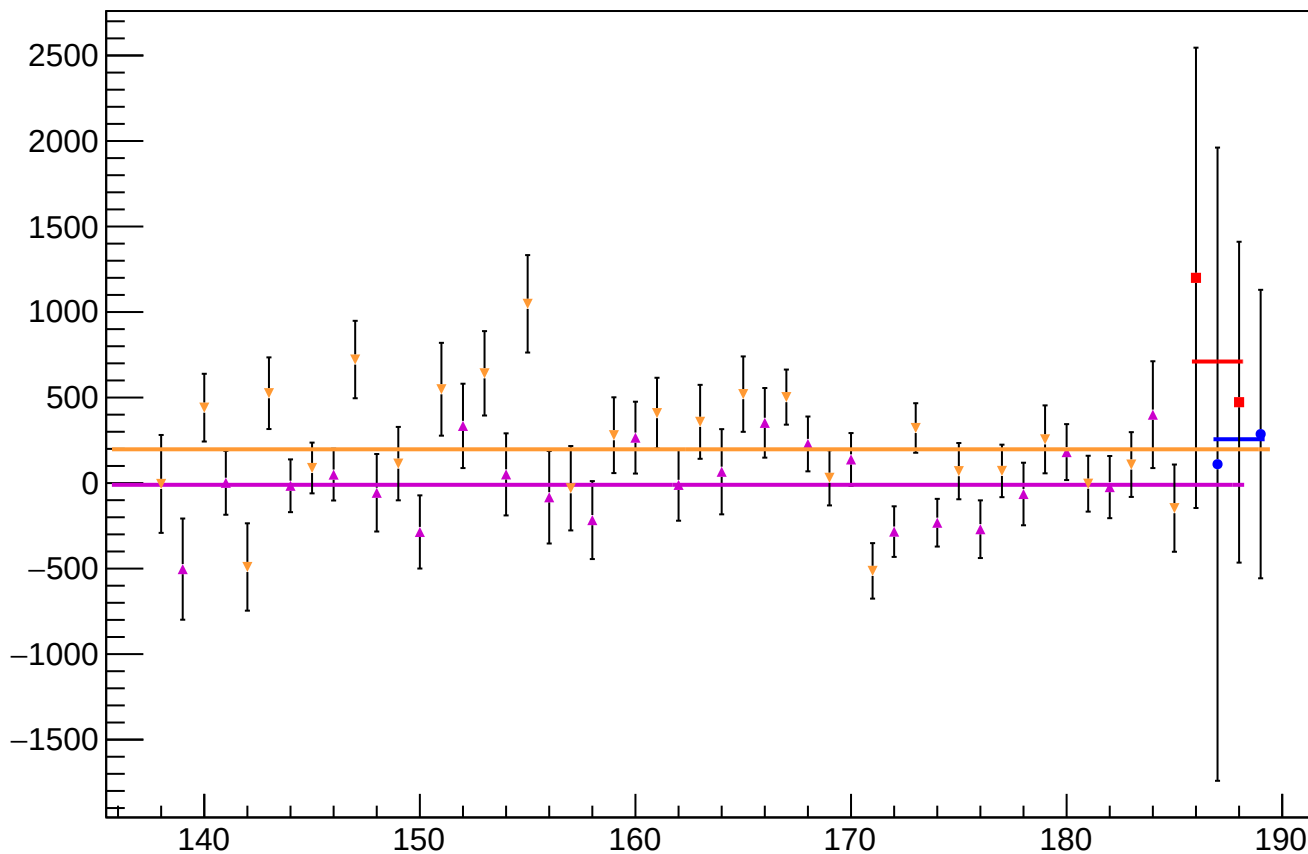
Right: 56.195 $\pm$ 0.035 χ^2 /NDF: 358078.2/3

In: 28.501 $\pm$ 0.005 χ^2 /NDF:1225206.3/24

Out: 28.089 $\pm$ 0.005 χ^2 /NDF:2304158.0/26

All: 28.289 $\pm$ 0.003 χ^2 /NDF: 3533001.3/51

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 256.272 $\pm$ 767.433 χ^2 /NDF: 0.0/1

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

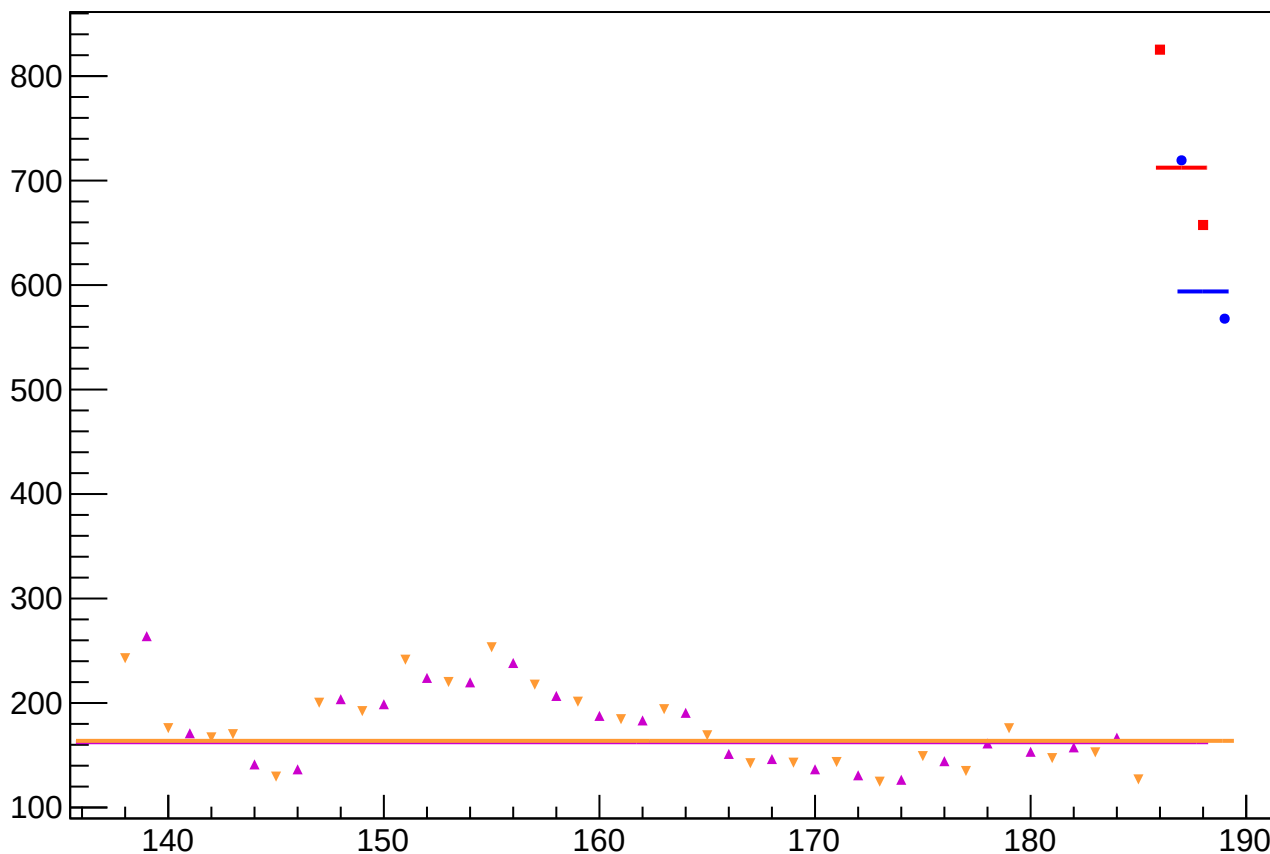
Right: 482.836 $\pm$ 543.388 χ^2 /NDF: 0.4/3

In: -9.473 $\pm$ 39.460 χ^2 /NDF:27.3/24

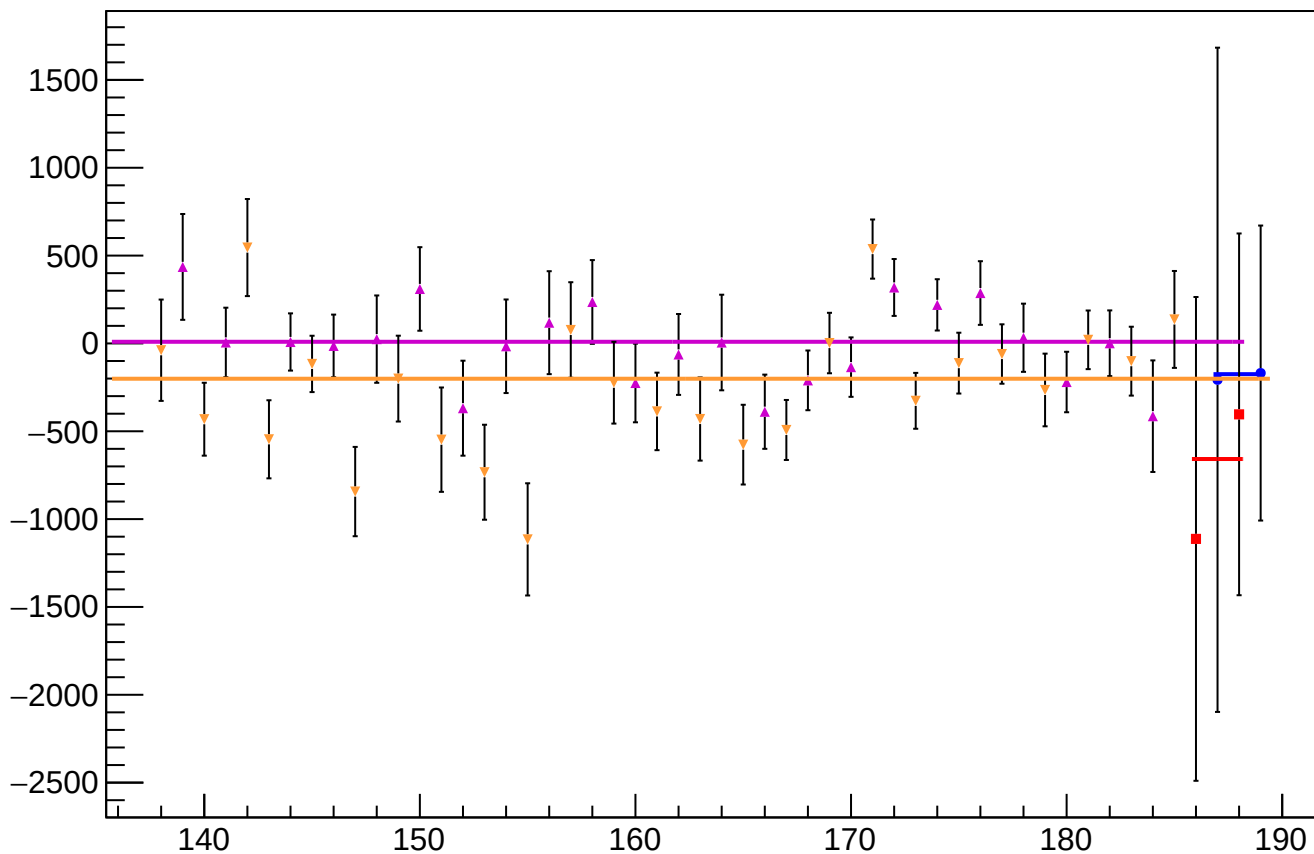
Out: 198.753 $\pm$ 39.019 χ^2 /NDF:66.5/26

All: 95.808 $\pm$ 27.745 χ^2 /NDF: 107.9/51

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -174.929 ± 767.345 $\chi^2/\text{NDF}: 0.0/1$

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 $\chi^2/\text{NDF}: 103.4/47$

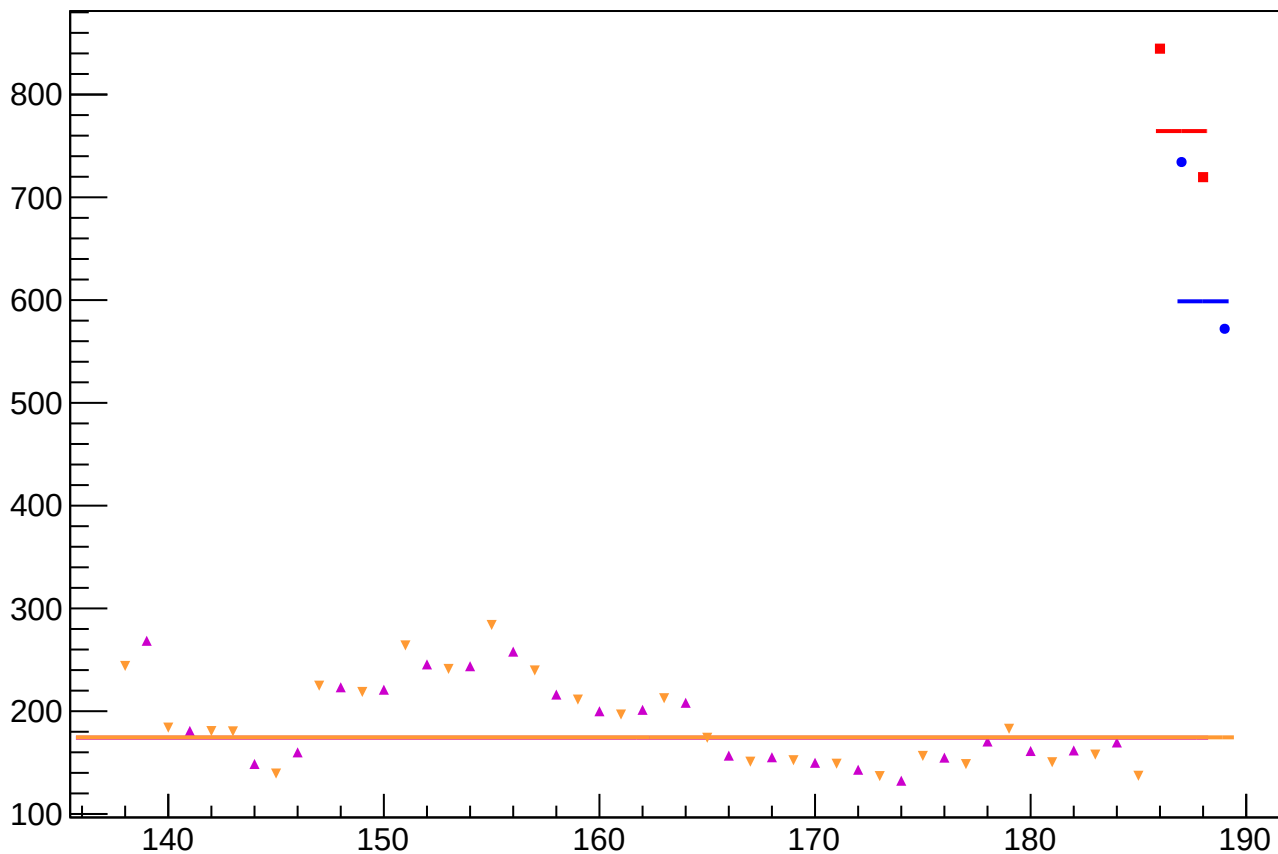
Right: -399.087 ± 561.739 $\chi^2/\text{NDF}: 0.4/3$

In: 8.822 ± 42.372 $\chi^2/\text{NDF}: 25.5/24$

Out: -202.098 ± 41.688 $\chi^2/\text{NDF}: 66.0/26$

All: -98.355 ± 29.717 $\chi^2/\text{NDF}: 104.0/51$

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 598.812 $\pm$ 0.543 χ^2 /NDF: 12303.2/1

Left Out: 174.567 $\pm$ 0.030 χ^2 /NDF:1532900.3/24

Right Out: 764.449 $\pm$ 0.583 χ^2 /NDF: 10571.0/1

Left In: 174.217 $\pm$ 0.030 χ^2 /NDF:1364600.9/22

Left: 174.395 $\pm$ 0.021 χ^2 /NDF: 2897570.3/47

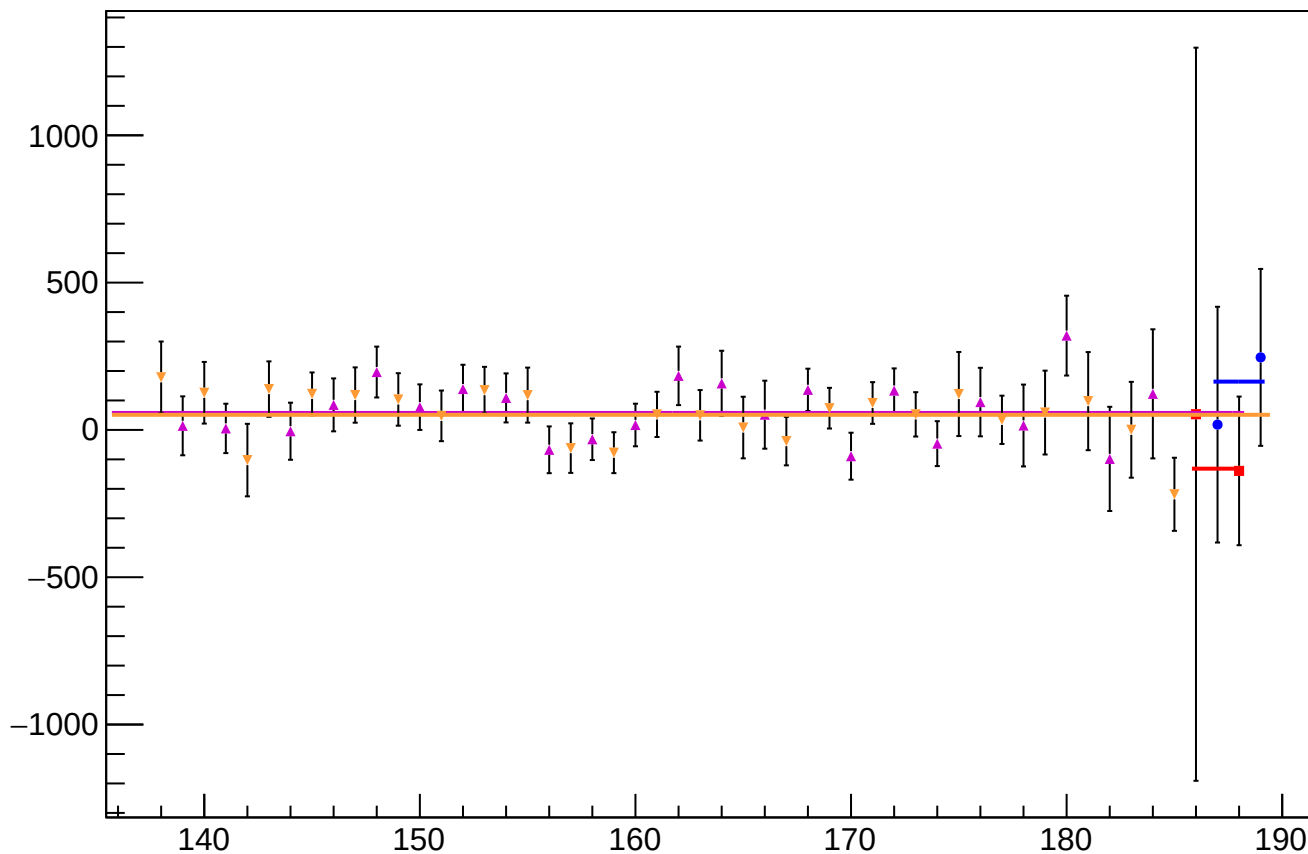
Right: 675.683 $\pm$ 0.397 χ^2 /NDF: 66122.3/3

In: 175.512 $\pm$ 0.030 χ^2 /NDF:1987385.8/24

Out: 176.074 $\pm$ 0.029 χ^2 /NDF:2564380.8/26

All: 175.798 $\pm$ 0.021 χ^2 /NDF: 4551945.9/51

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 163.949 $\pm$ 240.163 χ^2 /NDF: 0.2/1

Left Out: 51.287 $\pm$ 18.131 χ^2 /NDF:19.7/24

Right Out: -131.500 $\pm$ 247.227 χ^2 /NDF: 0.0/1

Left In: 57.530 $\pm$ 18.875 χ^2 /NDF:24.2/22

Left: 54.283 $\pm$ 13.076 χ^2 /NDF: 43.9/47

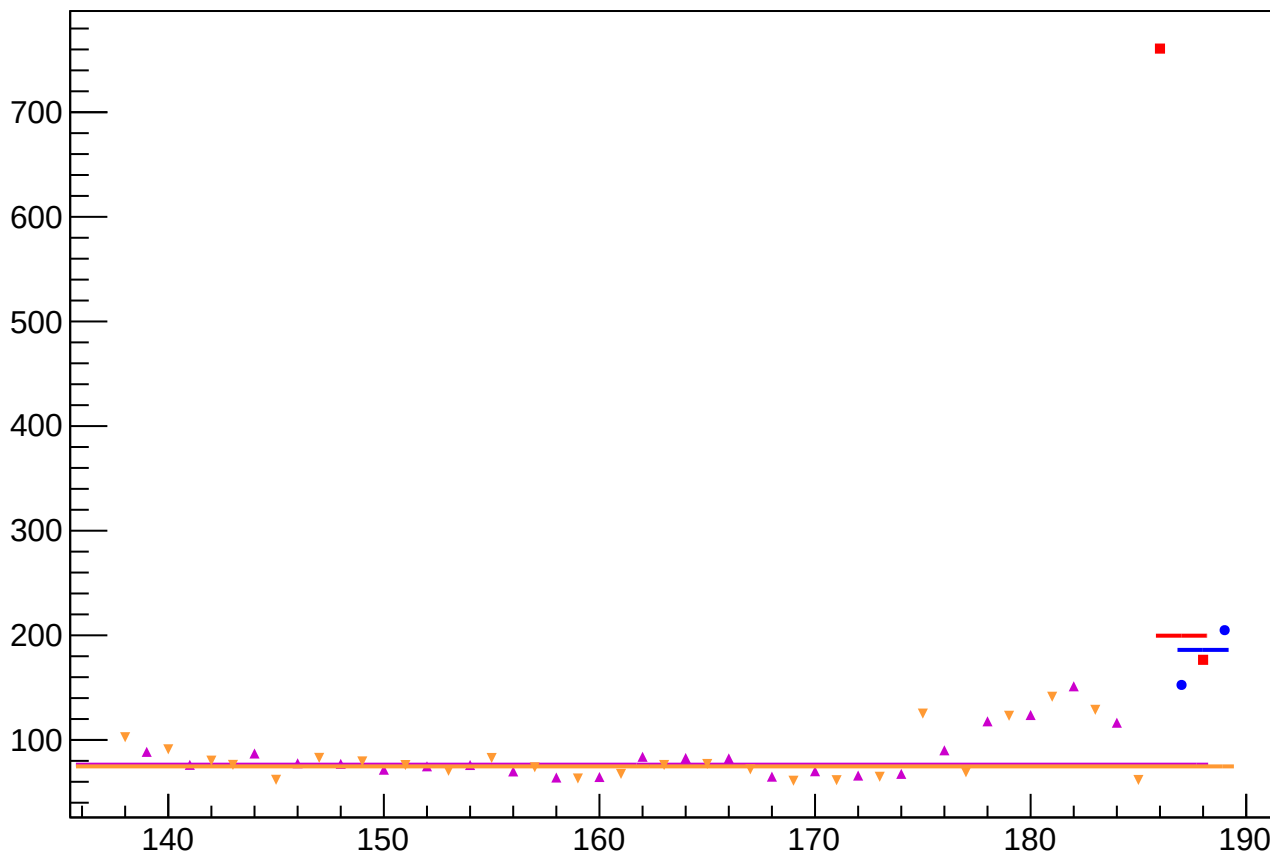
Right: 20.506 $\pm$ 172.264 χ^2 /NDF: 1.0/3

In: 58.183 $\pm$ 18.817 χ^2 /NDF:24.6/24

Out: 50.310 $\pm$ 18.082 χ^2 /NDF:20.2/26

All: 54.090 $\pm$ 13.038 χ^2 /NDF: 44.9/51

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 186.076 $\pm$ 0.170 χ^2 /NDF: 21900.6/1

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

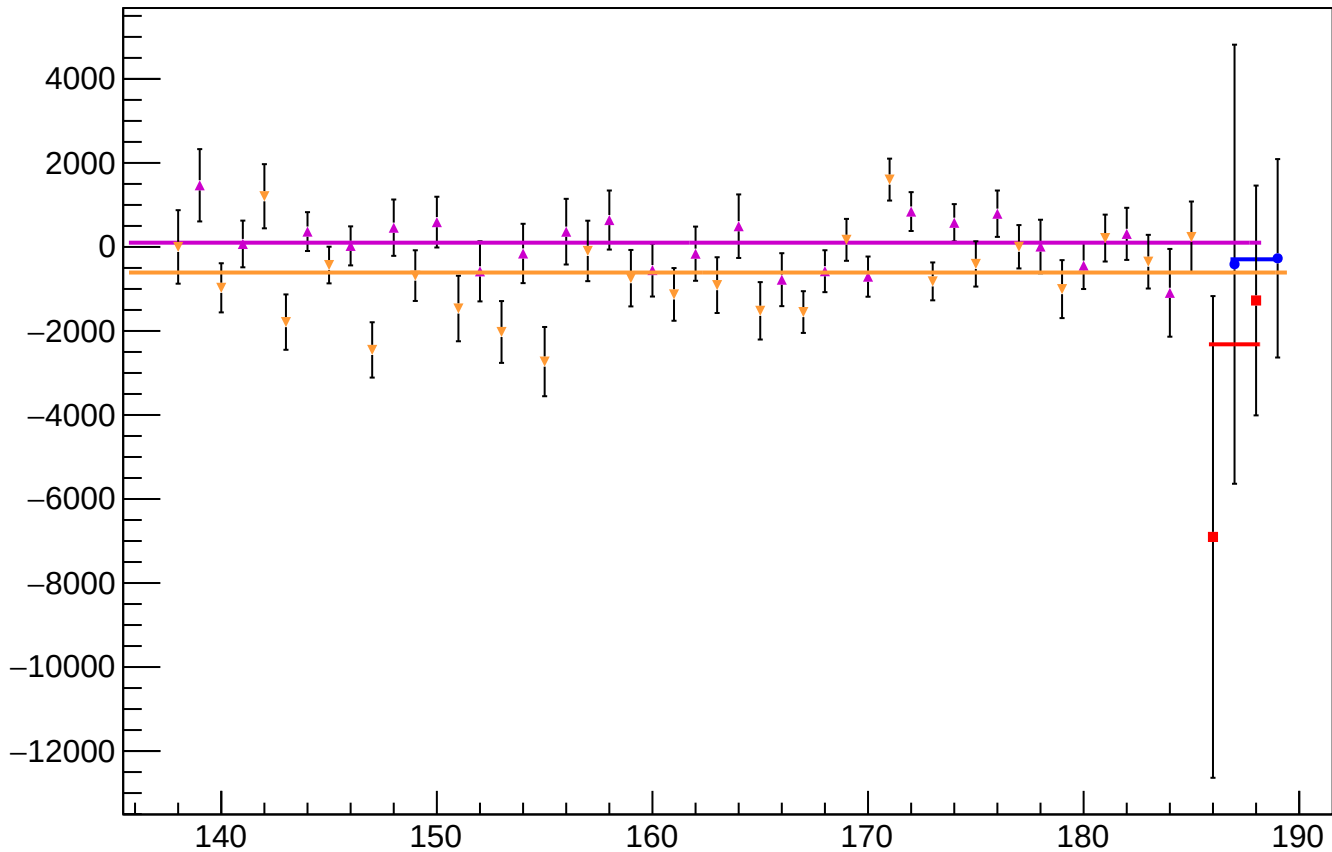
Right: 192.670 $\pm$ 0.122 χ^2 /NDF: 448549.9/3

In: 77.040 $\pm$ 0.013 χ^2 /NDF:1655491.9/24

Out: 75.389 $\pm$ 0.013 χ^2 /NDF:2506758.9/26

All: 76.182 $\pm$ 0.009 χ^2 /NDF: 4170253.2/51

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -294.174+/-2152.239 χ^2/NDF : 0.0/1

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

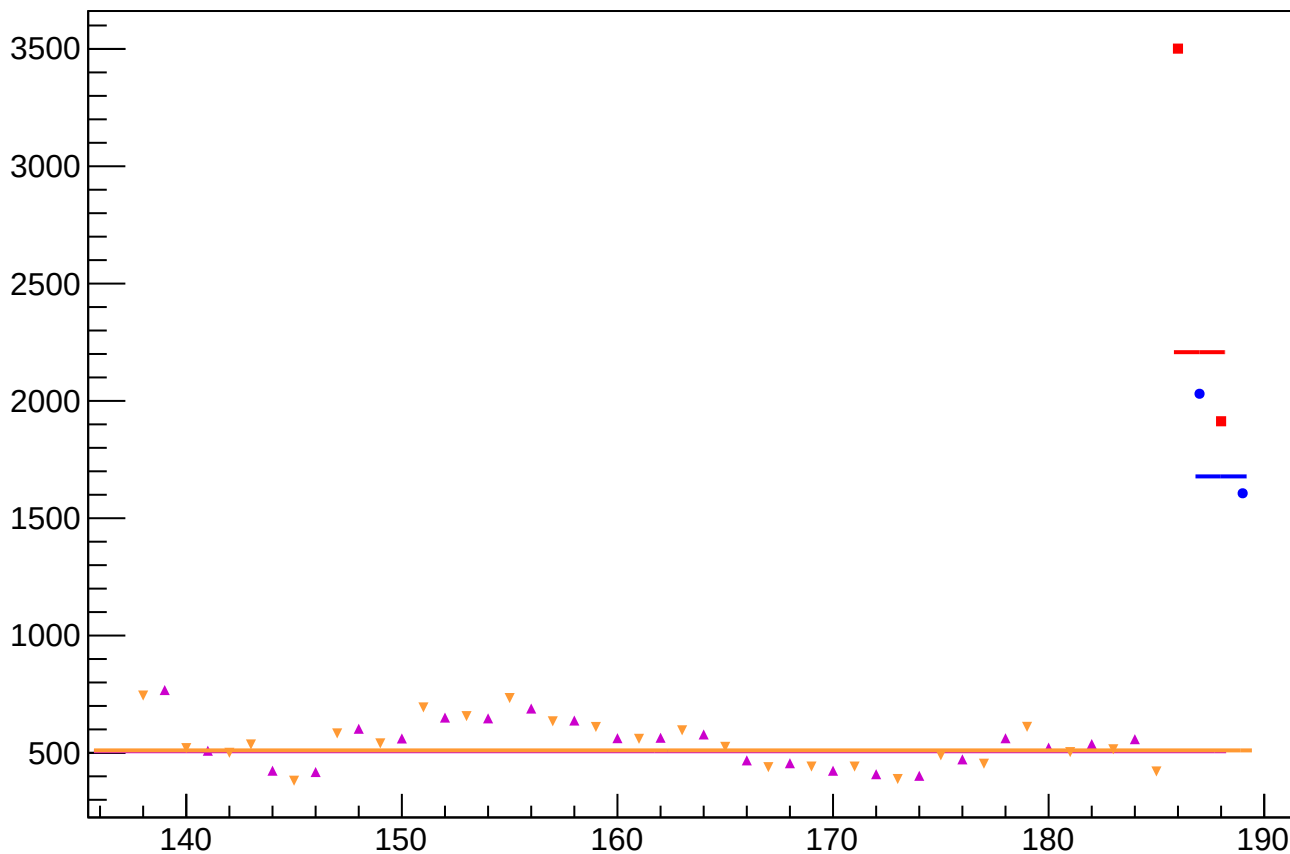
Right: -1168.067+/-1622.281 χ^2/NDF : 1.2/3

In: 100.049+/-122.613 χ^2/NDF : 21.4/24

Out: -613.155+/-121.151 χ^2/NDF : 64.8/26

All: -260.831+/-86.179 χ^2/NDF : 103.4/51

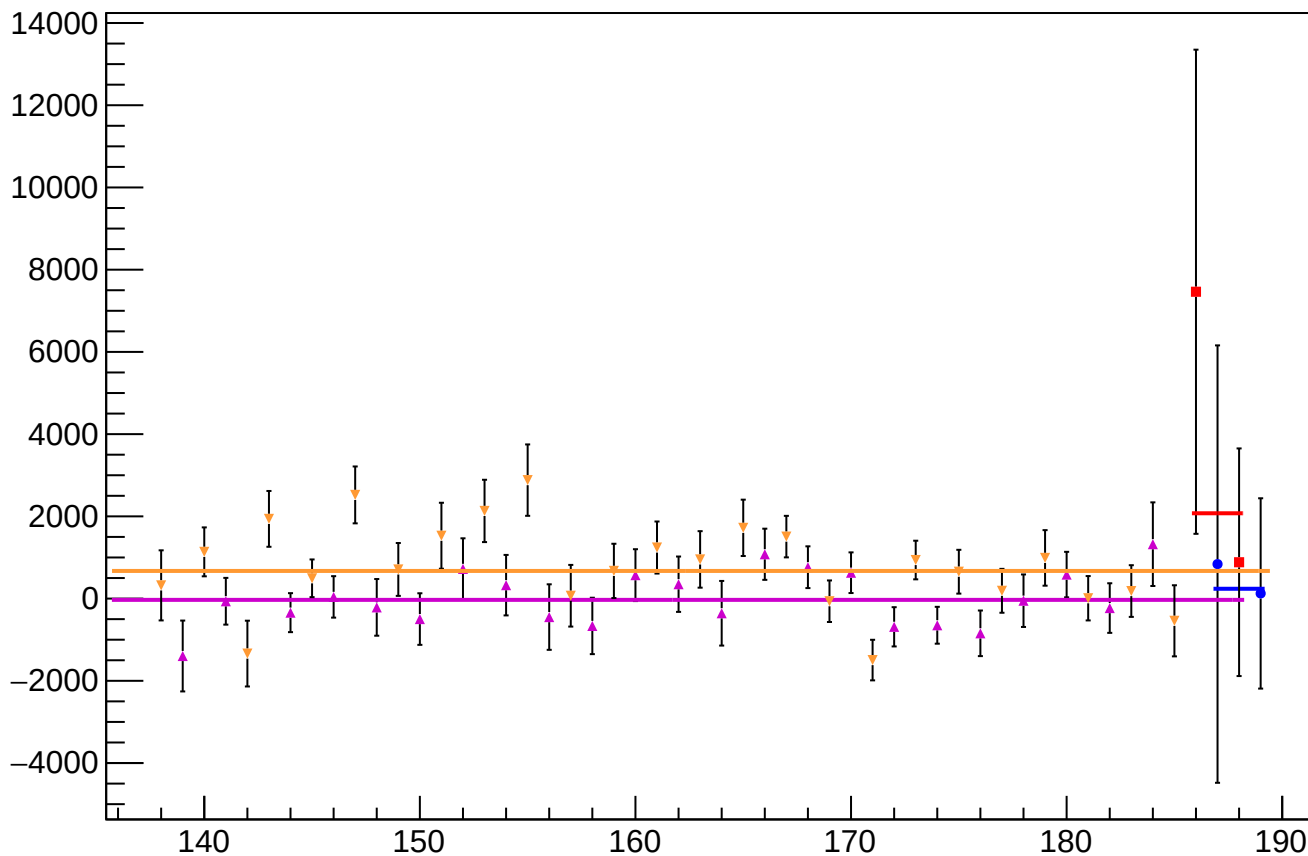
asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 1678.244+/-1.522 χ^2/NDF : 10939.3/1
 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: 1906.882+/-1.147 χ^2/NDF : 188205.3/3
 In: 510.708+/-0.087 χ^2/NDF :1689532.2/24
 Out: 514.590+/-0.086 χ^2/NDF :2261168.6/26
 All: 512.673+/-0.061 χ^2/NDF : 3951715.2/51

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 238.964 $\pm$ 2122.447 χ^2 /NDF: 0.0/1

Left Out: 672.498 $\pm$ 123.428 χ^2 /NDF:62.8/24

Right Out: 2075.155 $\pm$ 2505.233 χ^2 /NDF: 1.0/1

Left In: -31.056 $\pm$ 125.236 χ^2 /NDF:23.8/22

Left: 325.838 $\pm$ 87.909 χ^2 /NDF: 102.6/47

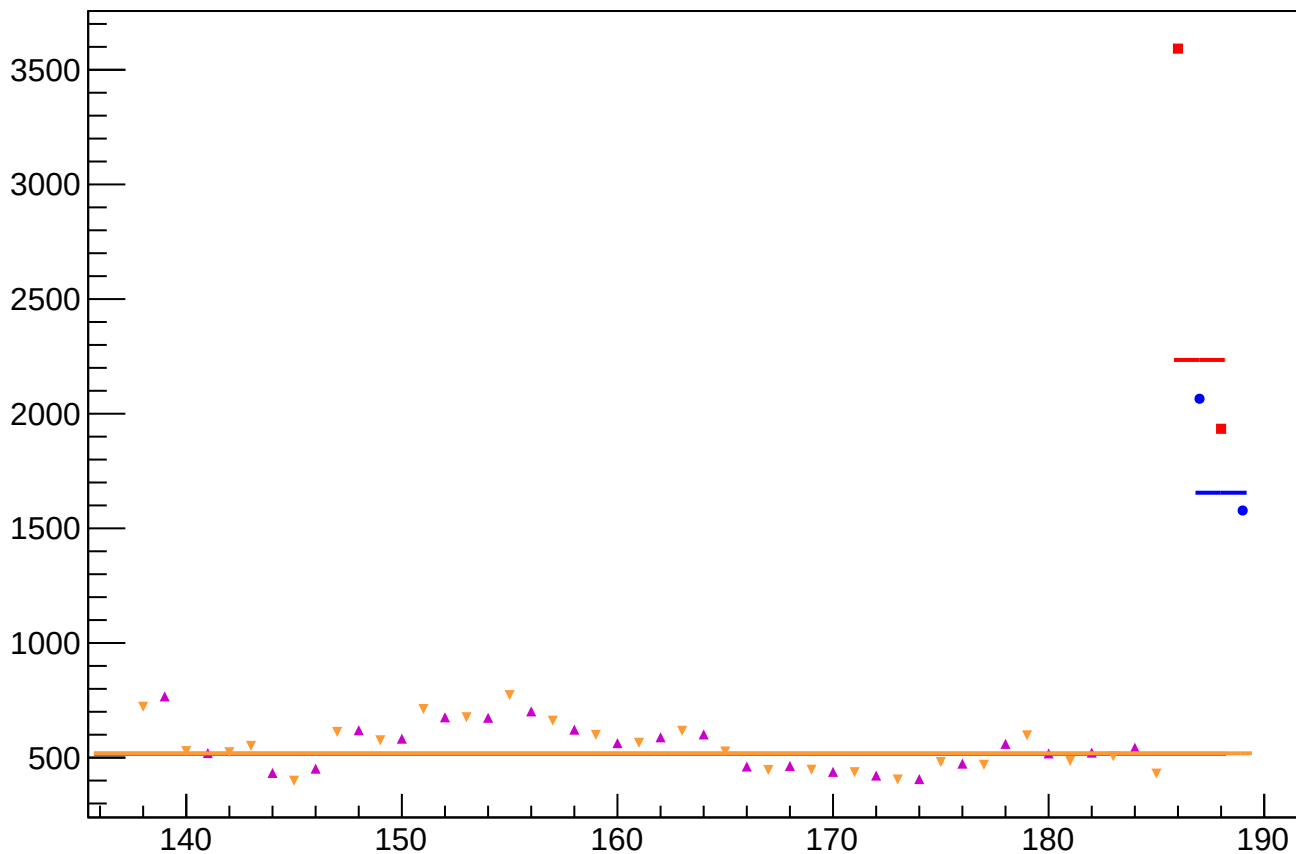
Right: 1006.208 $\pm$ 1619.407 χ^2 /NDF: 1.4/3

In: -30.119 $\pm$ 125.019 χ^2 /NDF:23.9/24

Out: 675.894 $\pm$ 123.278 χ^2 /NDF:64.1/26

All: 327.837 $\pm$ 87.780 χ^2 /NDF: 104.1/51

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 1655.429+/-1.501 χ^2/NDF : 14124.9/1

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

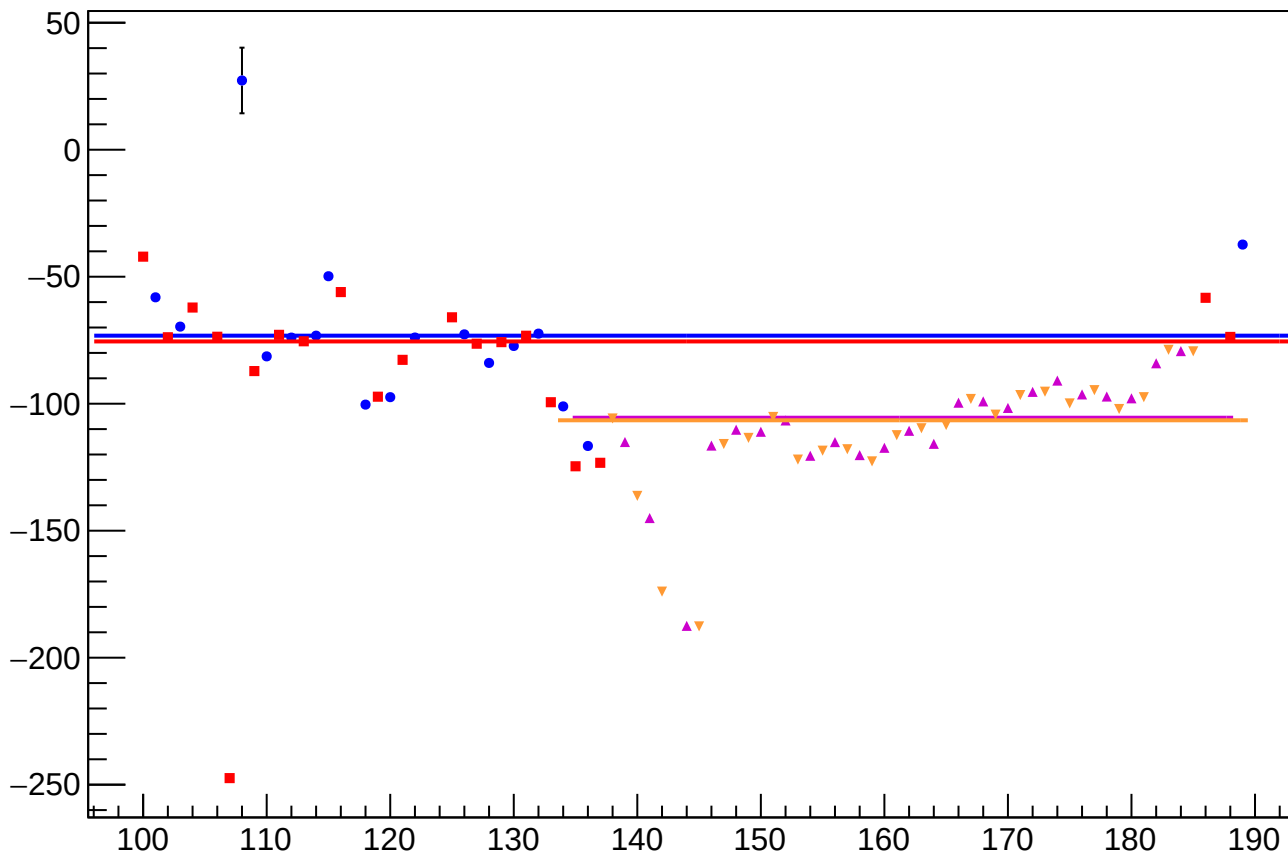
Right: 1897.376+/-1.145 χ^2/NDF : 206205.4/3

In: 520.545+/-0.088 χ^2/NDF : 1624028.5/24

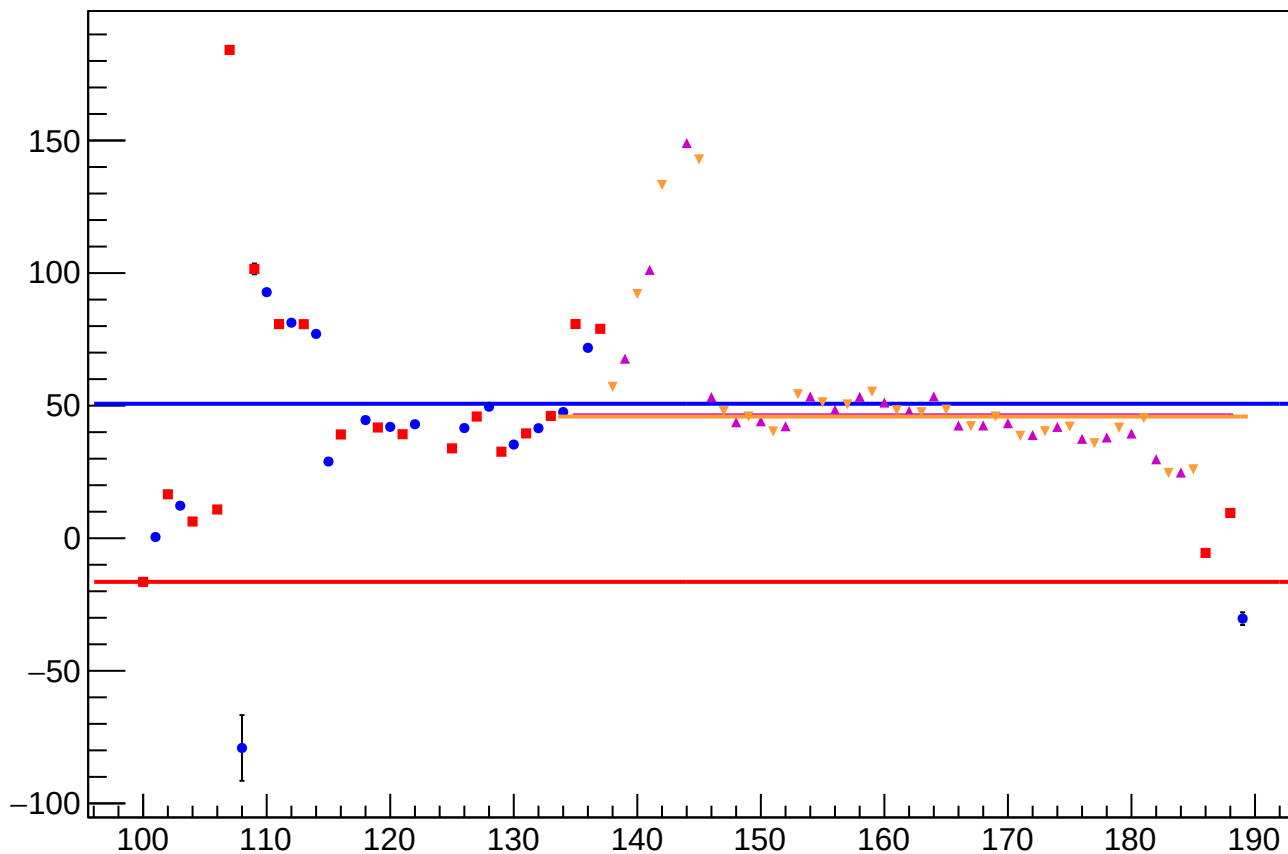
Out: 523.089+/-0.087 χ^2/NDF : 2238066.8/26

All: 521.835+/-0.062 χ^2/NDF : 3862515.1/51

dit_usl_4aX_slope vs Slug, Sign Corrected



dit_usl_4eX_slope vs Slug, Sign Corrected



Right In: 50.718+/-0.074 χ^2/NDF : 91099.3/16

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

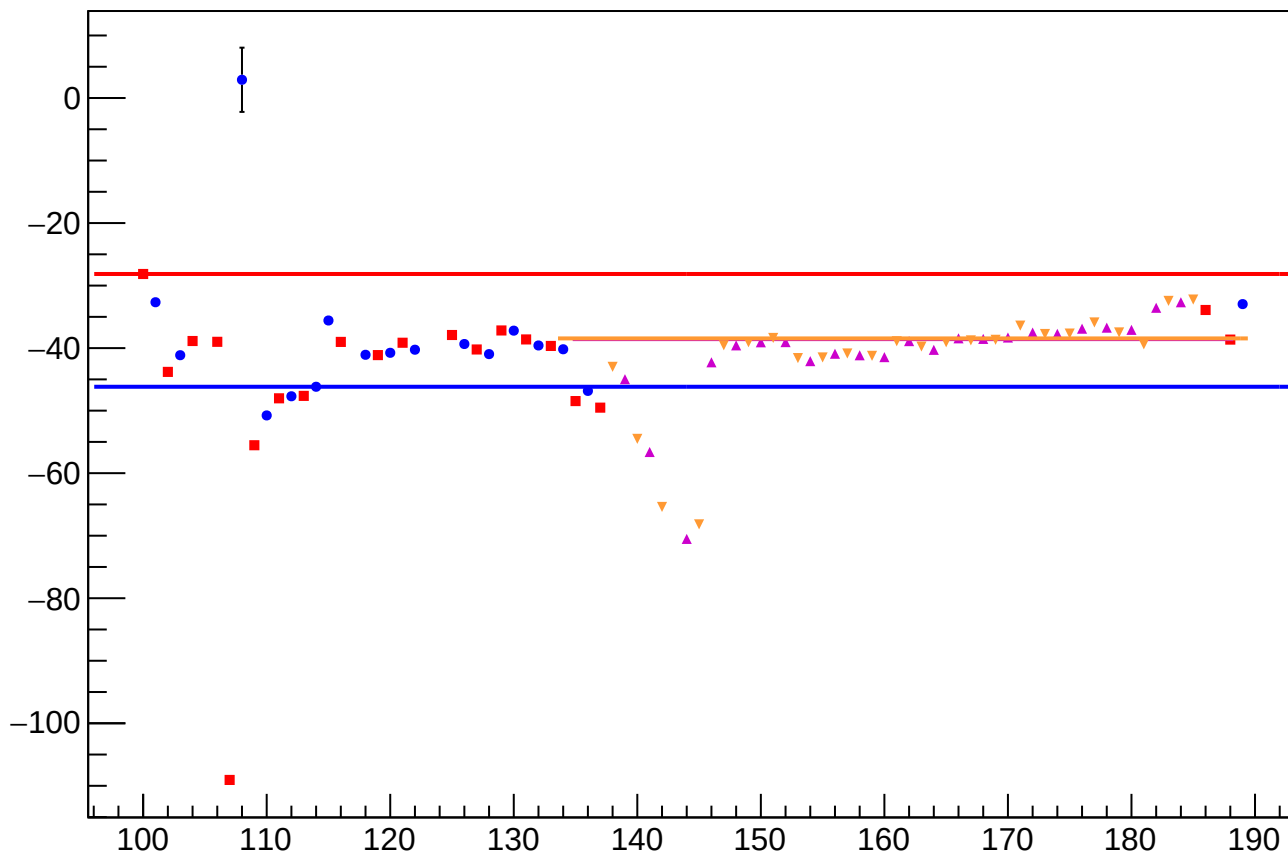
Right: -16.452+/-0.000 χ^2/NDF : 1458825.4/36

In: 47.319+/-0.035 χ^2/NDF : 259321.4/39

Out: -16.452+/-0.000 χ^2/NDF : 2859256.8/43

All: -16.452+/-0.000 χ^2/NDF : 6439385.2/83

dit_usl_11X12X_slope vs Slug, Sign Corrected



Right In: -46.180+/-0.000 χ^2/NDF : 636502.3/16

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

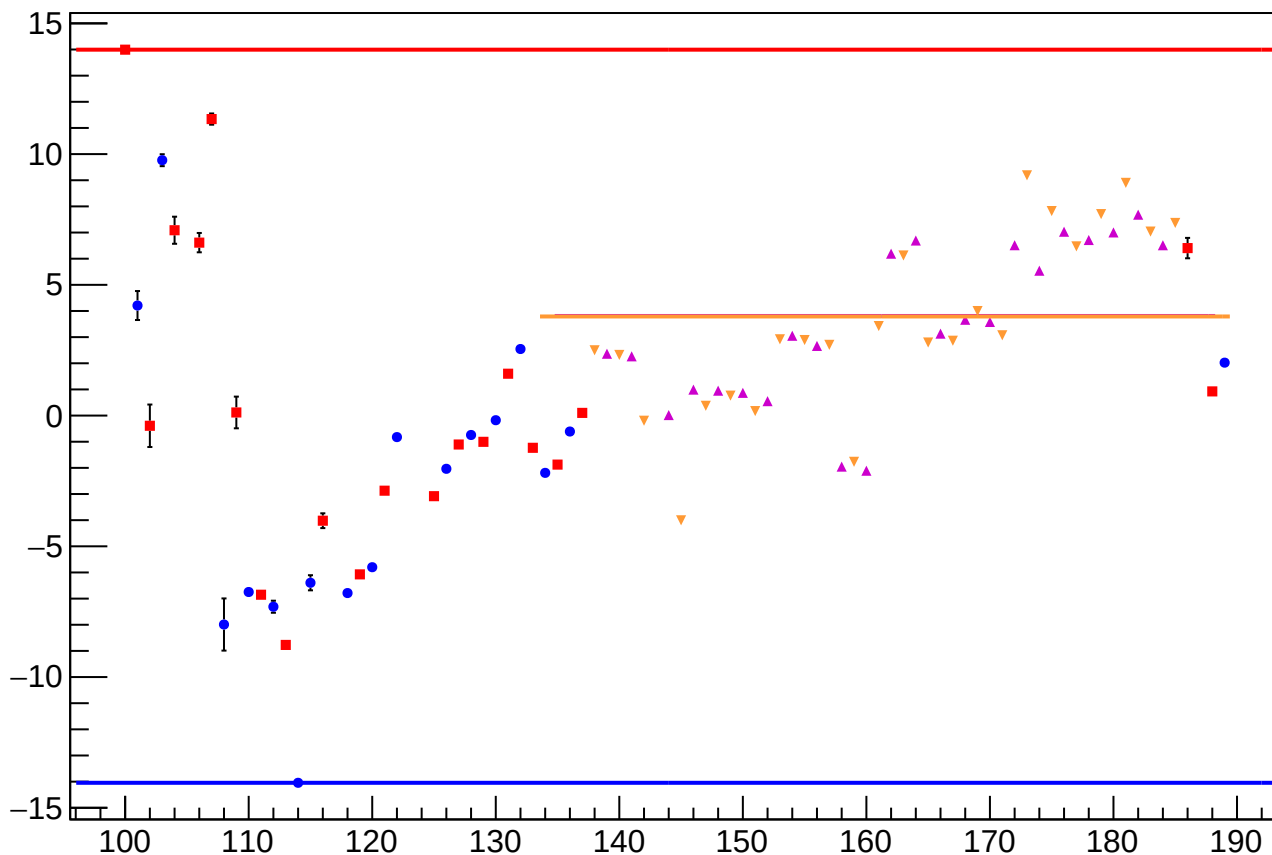
Right: -33.813+/-0.000 χ^2/NDF : 539977182263583

In: -46.180+/-0.000 χ^2/NDF : 2326213.7/39

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 χ^2/NDF : 1048272.1/16

Left Out: 3.790 ± 0.007 χ^2/NDF : 202429.5/23

Right Out: 13.994 ± 0.000 χ^2/NDF : 395693.3/19

Left In: 3.809 ± 0.006 χ^2/NDF : 229467.1/22

Left: 3.801 ± 0.004 χ^2/NDF : 431901.1/46

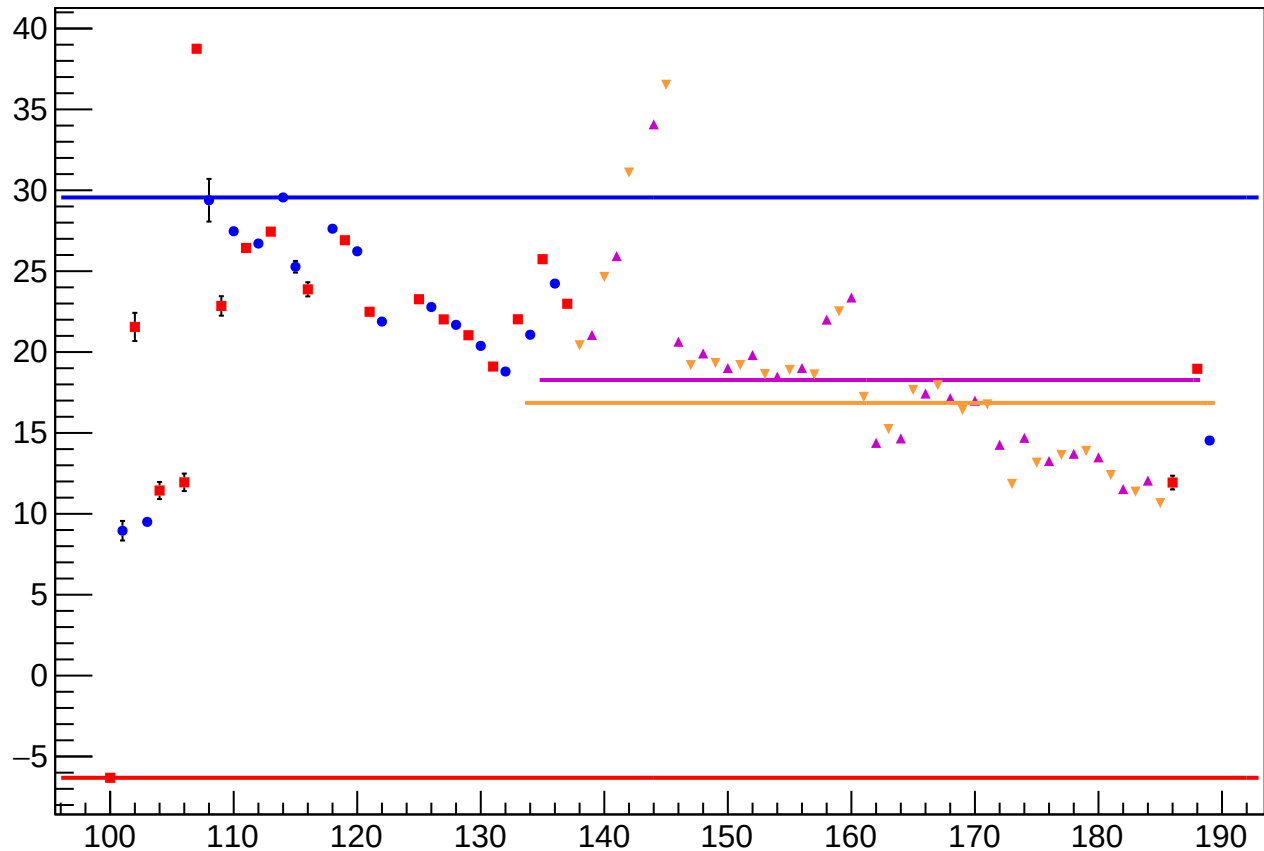
Right: 5.182 ± 0.000 χ^2/NDF : 46979633245184581

In: -14.044 ± 0.000 χ^2/NDF : 10598143.4/39

Out: 13.994 ± 0.000 χ^2/NDF : 2752837.1/43

All: 5.182 ± 0.000 χ^2/NDF : 46979633245184581

dit_usl_4eY_slope vs Slug, Sign Corrected



Right In: 29.557 $\pm$ 0.000 χ^2 /NDF: 94007.9/16

Left Out: 16.857 $\pm$ 0.007 χ^2 /NDF:184038.5/23

Right Out: -6.317 $\pm$ 0.000 χ^2 /NDF: 1659559.7/19

Left In: 18.272 $\pm$ 0.007 χ^2 /NDF:237719.2/22

Left: 17.563 $\pm$ 0.005 χ^2 /NDF: 441496.1/46

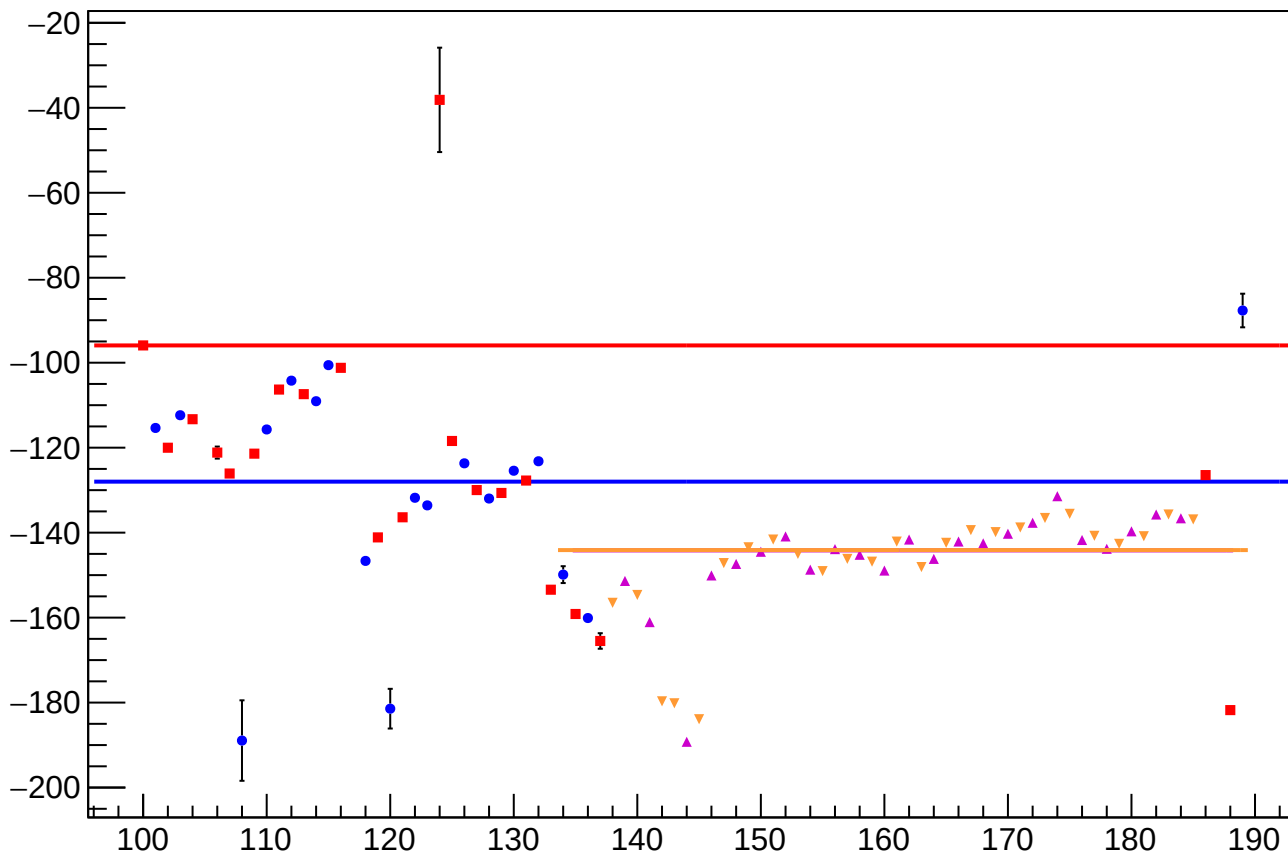
Right: -2.629 $\pm$ 0.000 χ^2 /NDF: 1006300357398160

In: 29.557 $\pm$ 0.000 χ^2 /NDF:2835468.2/39

Out: -6.317 $\pm$ 0.000 χ^2 /NDF:12449246.5/43

All: -2.629 $\pm$ 0.000 χ^2 /NDF: 1006300357398

dit_usr_4aX_slope vs Slug, Sign Corrected



Right In: -127.996+/-0.098 χ^2/NDF : 38266.3/17

Left Out: -144.107+/-0.041 χ^2/NDF : 43993.9/24

Right Out: -95.934+/-0.000 χ^2/NDF : 242004.5/20

Left In: -144.184+/-0.045 χ^2/NDF : 34723.9/22

Left: -144.142+/-0.030 χ^2/NDF : 78719.4/47

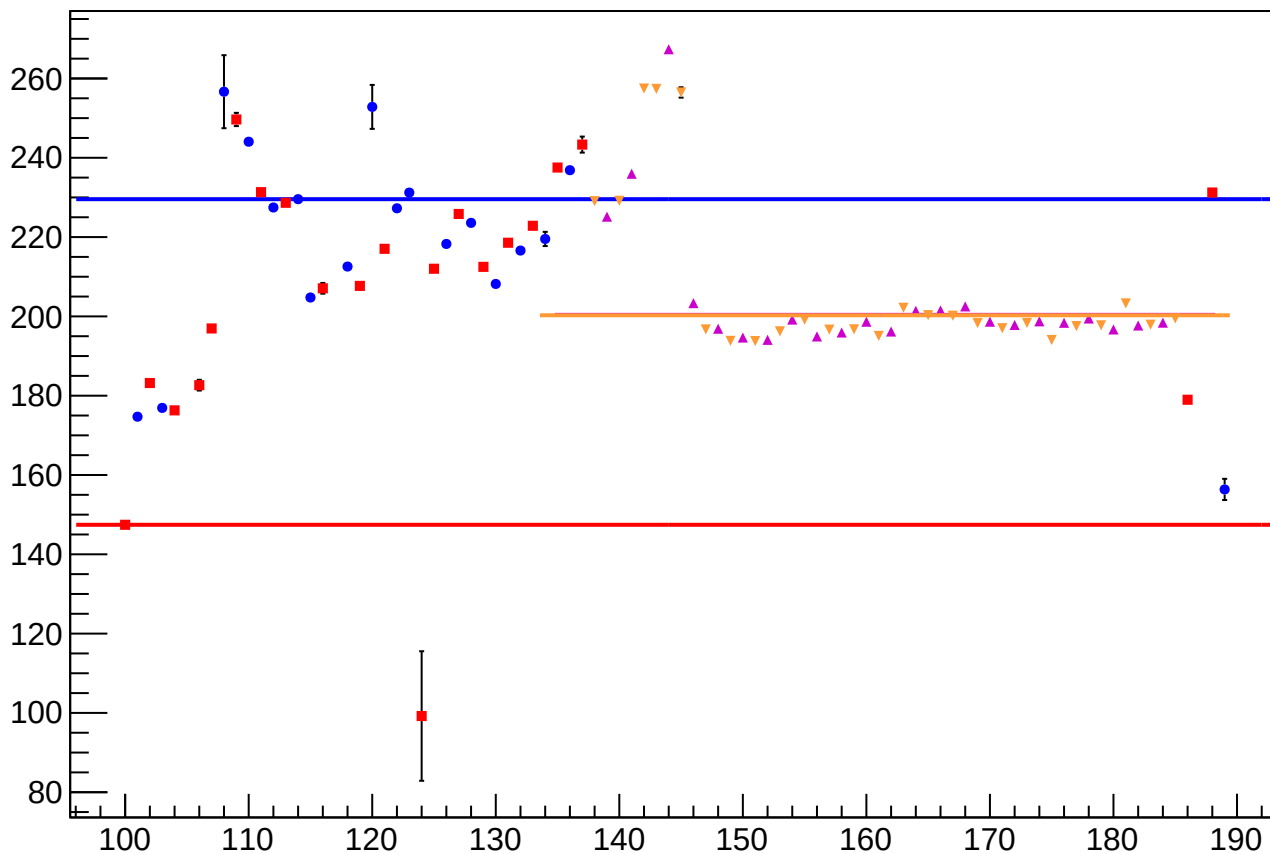
Right: -95.934+/-0.000 χ^2/NDF : 386762.4/38

In: -141.370+/-0.041 χ^2/NDF : 95418.3/40

Out: -95.934+/-0.000 χ^2/NDF : 1656693.8/45

All: -95.934+/-0.000 χ^2/NDF : 2982304.0/86

dit_usr_4eX_slope vs Slug, Sign Corrected



Right In: 229.560 ± 0.000 $\chi^2/\text{NDF}: 38562.6/17$

Left Out: 200.282 ± 0.034 $\chi^2/\text{NDF}: 109893.0/24$

Right Out: 147.445 ± 0.000 $\chi^2/\text{NDF}: 671672.9/20$

Left In: 200.386 ± 0.039 $\chi^2/\text{NDF}: 77918.6/22$

Left: 200.327 ± 0.026 $\chi^2/\text{NDF}: 187815.6/47$

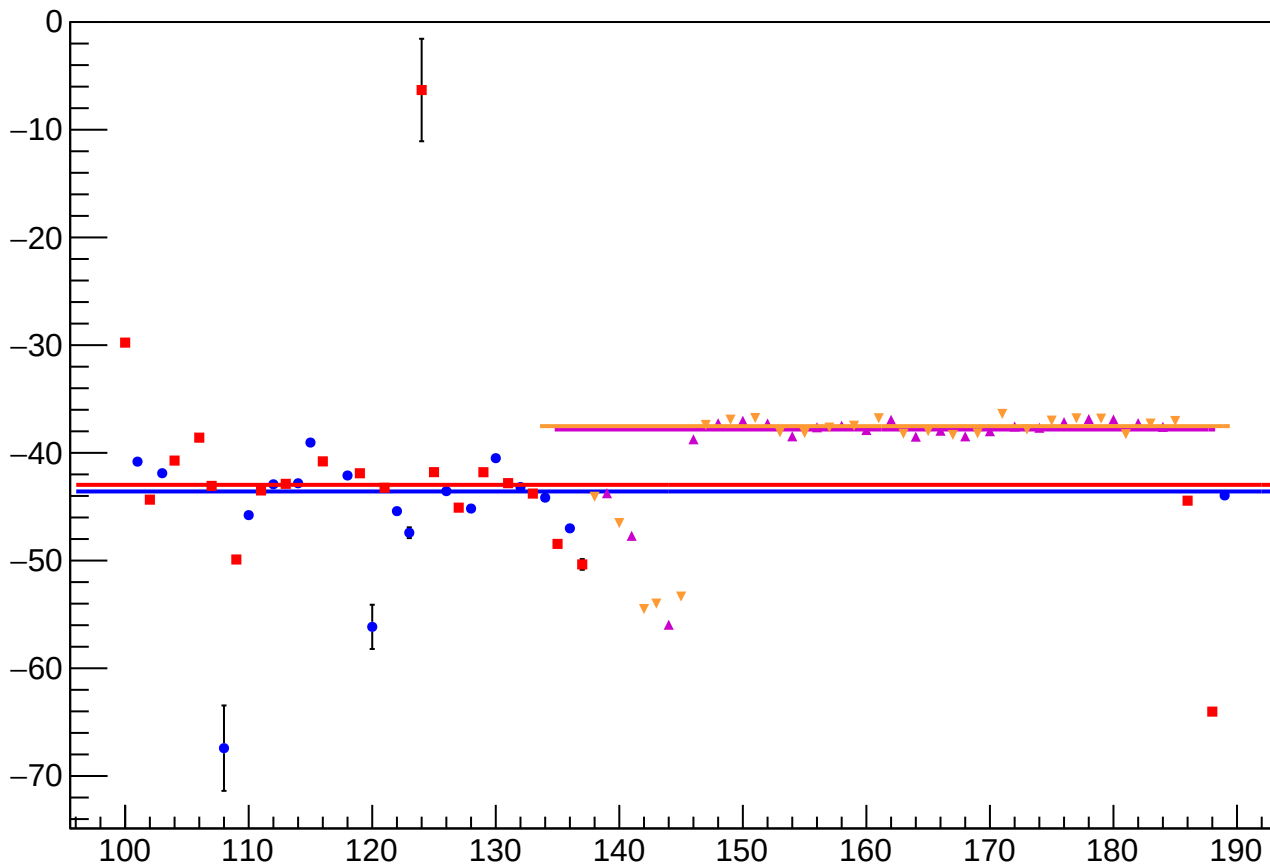
Right: 173.253 ± 0.000 $\chi^2/\text{NDF}: 157405034293311$

In: 229.560 ± 0.000 $\chi^2/\text{NDF}: 671963.9/40$

Out: 147.445 ± 0.000 $\chi^2/\text{NDF}: 3191264.6/45$

All: 173.253 ± 0.000 $\chi^2/\text{NDF}: 157405034293$

dit_usr_11X12X_slope vs Slug, Sign Corrected



Right In: -43.584 ± 0.022 $\chi^2/\text{NDF}: 13026.4/17$

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 $\chi^2/\text{NDF}: 398870.8/47$

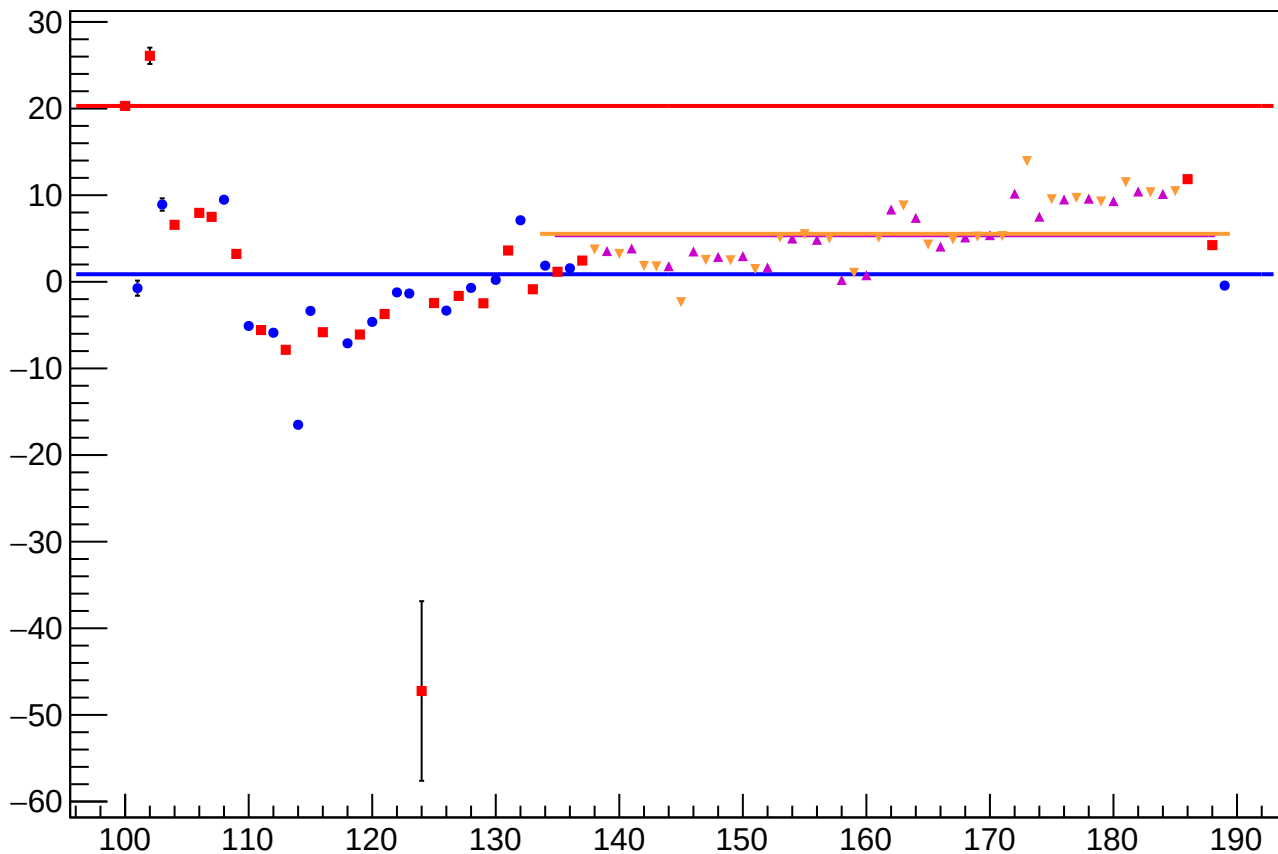
Right: -43.250 ± 0.015 $\chi^2/\text{NDF}: 39356.4/38$

In: -38.033 ± 0.004 $\chi^2/\text{NDF}: 222600.1/40$

Out: -37.698 ± 0.004 $\chi^2/\text{NDF}: 350029.0/45$

All: -37.845 ± 0.003 $\chi^2/\text{NDF}: 576374.5/86$

dit_usr_4aY_slope vs Slug, Sign Corrected



Left: 5.470 $\pm$ 0.004 χ^2/NDF : 507457.1/47

Right: 20.304 $\pm$ 0.000 χ^2/NDF : 1905473.8/38

In: 4.925 $\pm$ 0.006 χ^2/NDF : 273627.7/40

Out: 20.304 $\pm$ 0.000 χ^2/NDF : 7961884.8/45

All: 20.304 $\pm$ 0.000 χ^2/NDF : 14250346.6/86

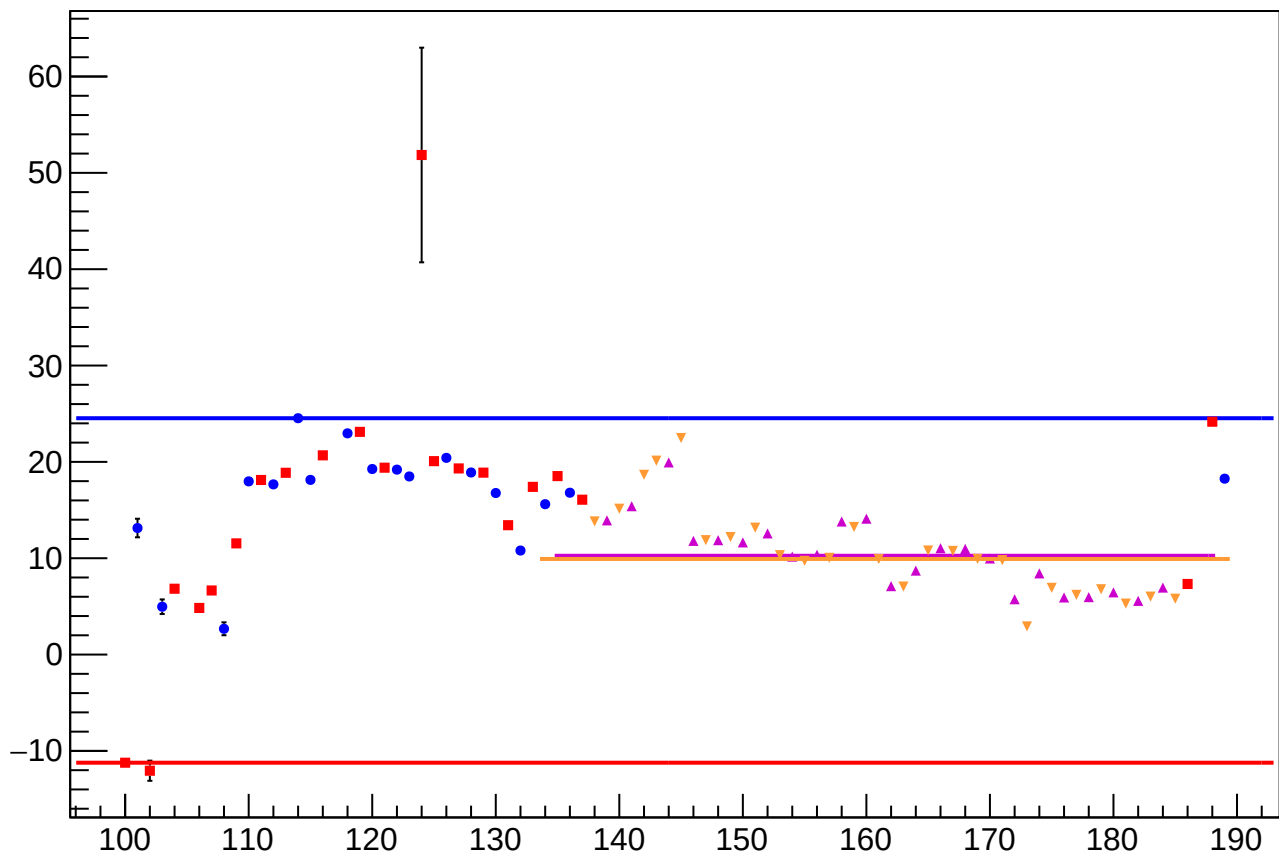
Right In: 0.874 $\pm$ 0.020 χ^2/NDF : 21518.8/17

Left Out: 5.540 $\pm$ 0.006 χ^2/NDF : 301383.7/24

Right Out: 20.304 $\pm$ 0.000 χ^2/NDF : 923258.7/20

Left In: 5.375 $\pm$ 0.007 χ^2/NDF : 205713.7/22

dit_usr_4eY_slope vs Slug, Sign Corrected



Right In: 24.533+/-0.000 χ^2/NDF : 121988.6/17

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

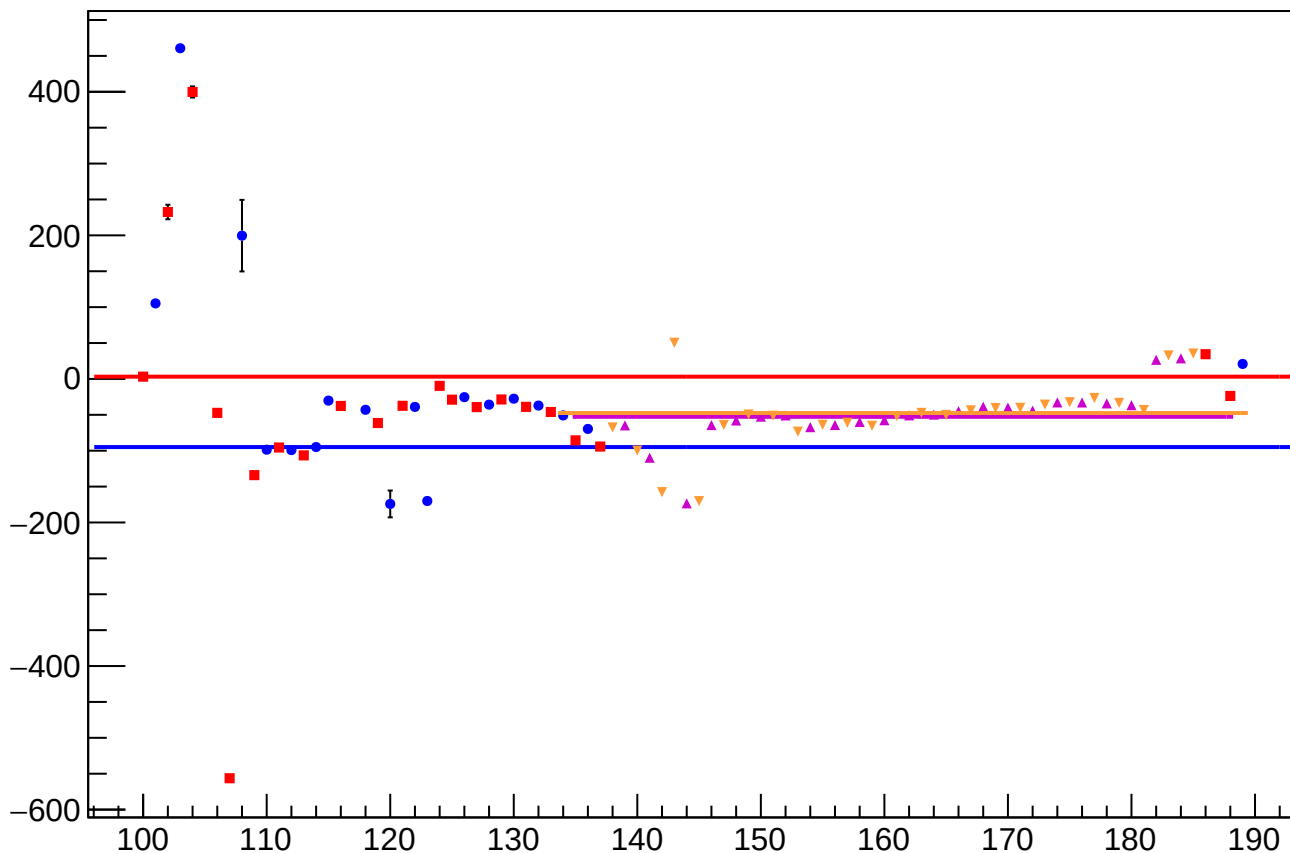
Right: -7.548+/-0.000 χ^2/NDF : 2499340702901629

In: 24.533+/-0.000 χ^2/NDF : 3374355.9/40

Out: -11.224+/-0.000 χ^2/NDF : 11181665.5/45

All: -7.548+/-0.000 χ^2/NDF : 2499340702901

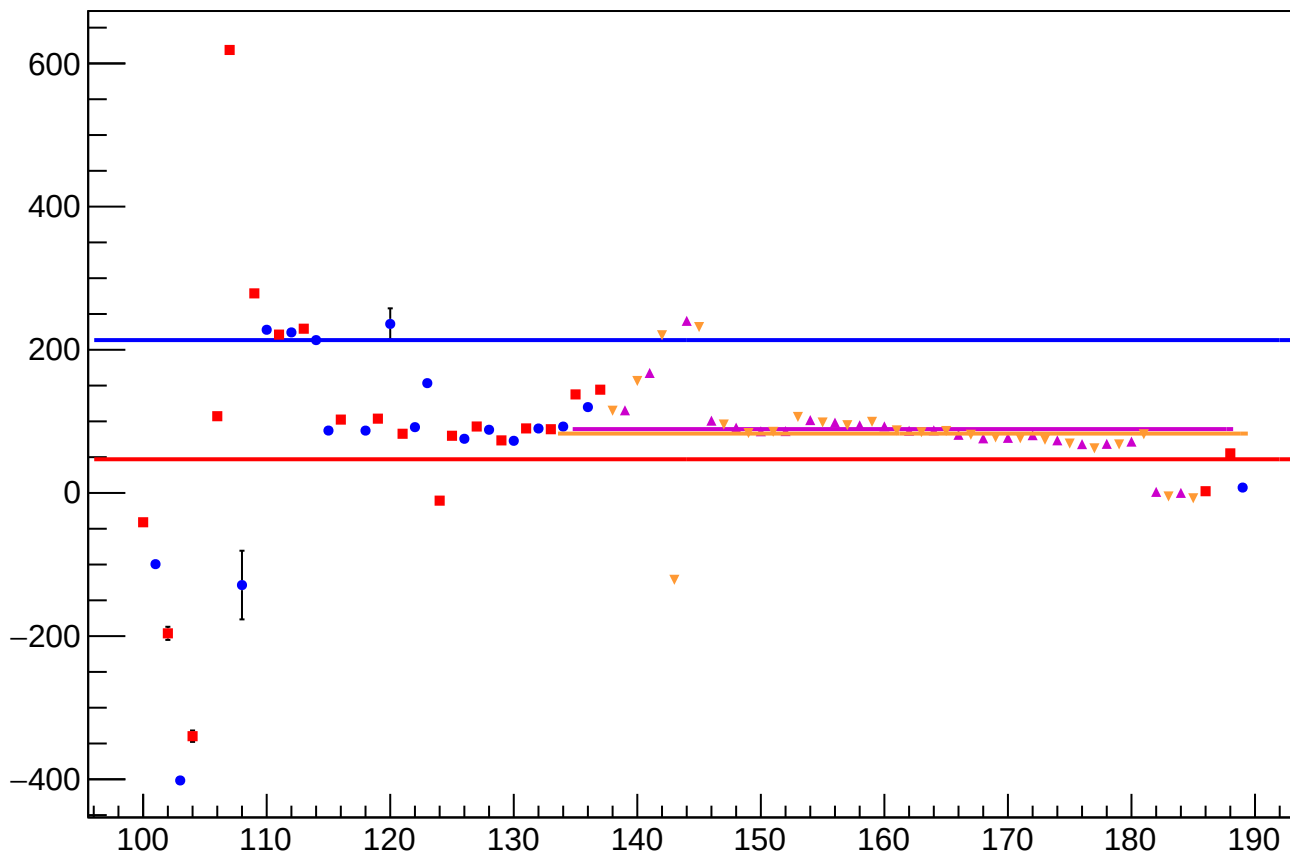
dit_atl1_4aX_slope vs Slug, Sign Corrected



Right In: -94.927 ± 0.000 χ^2/NDF : 736928.5/17
 Left Out: -47.513 ± 0.088 χ^2/NDF : 90964.1/24
 Right Out: 3.148 ± 0.000 χ^2/NDF : 61212975.8/20
 Left In: -52.769 ± 0.103 χ^2/NDF : 70359.7/22

Left: -49.733 ± 0.067 χ^2/NDF : 162825.7/47
 Right: 2.973 ± 0.000 χ^2/NDF : 52299232074263321
 In: -94.927 ± 0.000 χ^2/NDF : 974563.2/40
 Out: 3.148 ± 0.000 χ^2/NDF : 61634309.5/45
 All: 2.973 ± 0.000 χ^2/NDF : 52299232074263321

dit_atl1_4eX_slope vs Slug, Sign Corrected



Right In: 213.523+/-0.000 χ^2/NDF : 3050890.5/17

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

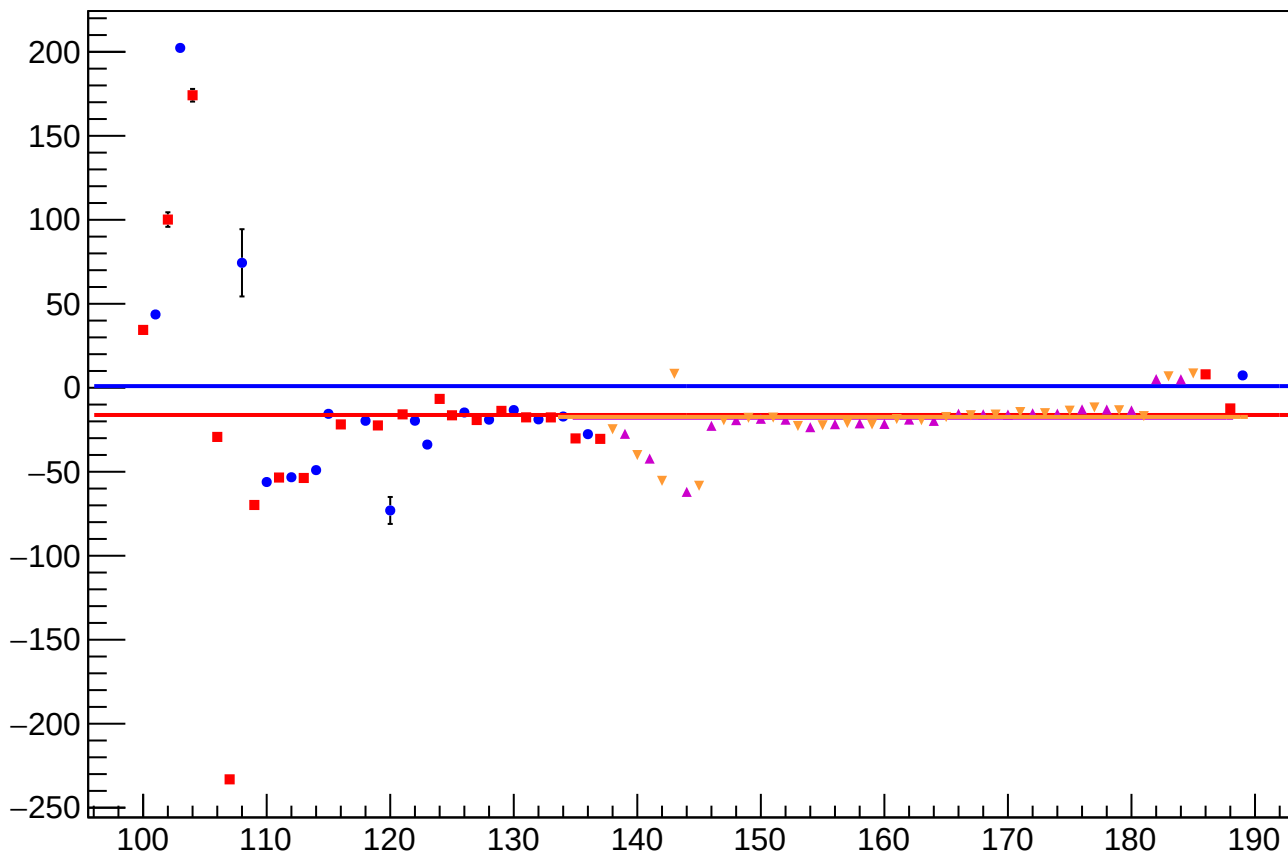
Right: 213.523+/-0.000 χ^2/NDF : 5202229.8/38

In: 213.523+/-0.000 χ^2/NDF : 5059500.1/40

Out: 72.792+/-0.066 χ^2/NDF : 602076.1/45

All: 213.523+/-0.000 χ^2/NDF : 10270001.6/86

dit_atl1_11X12X_slope vs Slug, Sign Corrected



Right In: 0.994 ± 0.028 $\chi^2/\text{NDF}: 2831724.7/17$

Left Out: -17.358 ± 0.010 $\chi^2/\text{NDF}: 711613.1/24$

Right Out: -16.196 ± 0.037 $\chi^2/\text{NDF}: 323996.7/20$

Left In: -17.854 ± 0.012 $\chi^2/\text{NDF}: 251583.5/22$

Left: -17.558 ± 0.008 $\chi^2/\text{NDF}: 964190.0/47$

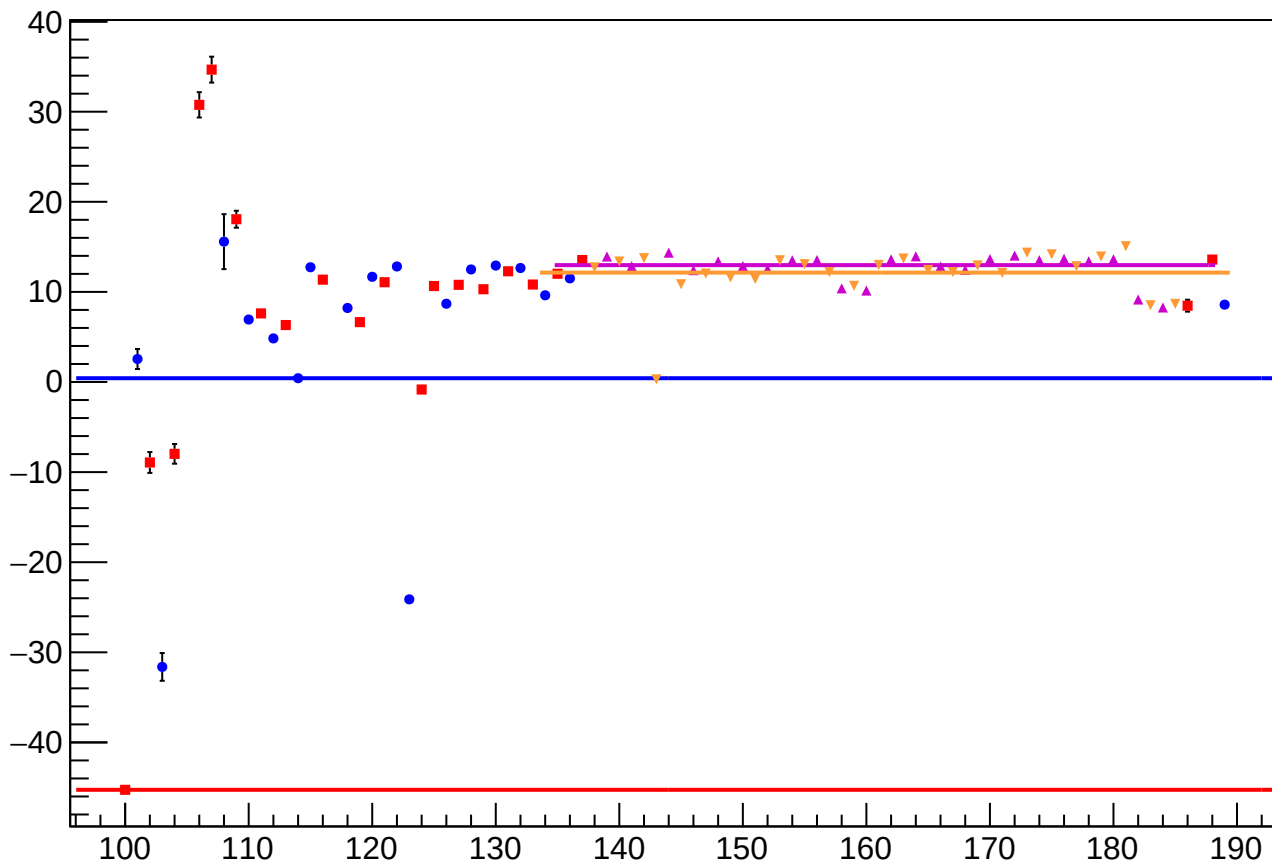
Right: -5.247 ± 0.022 $\chi^2/\text{NDF}: 3295595.8/38$

In: -14.805 ± 0.011 $\chi^2/\text{NDF}: 3471569.0/40$

Out: -17.278 ± 0.010 $\chi^2/\text{NDF}: 1036544.9/45$

All: -16.219 ± 0.007 $\chi^2/\text{NDF}: 4536288.0/86$

dit_atl1_4aY_slope vs Slug, Sign Corrected



Right In: 0.420+/-0.000 χ^2/NDF : 85417.9/17

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

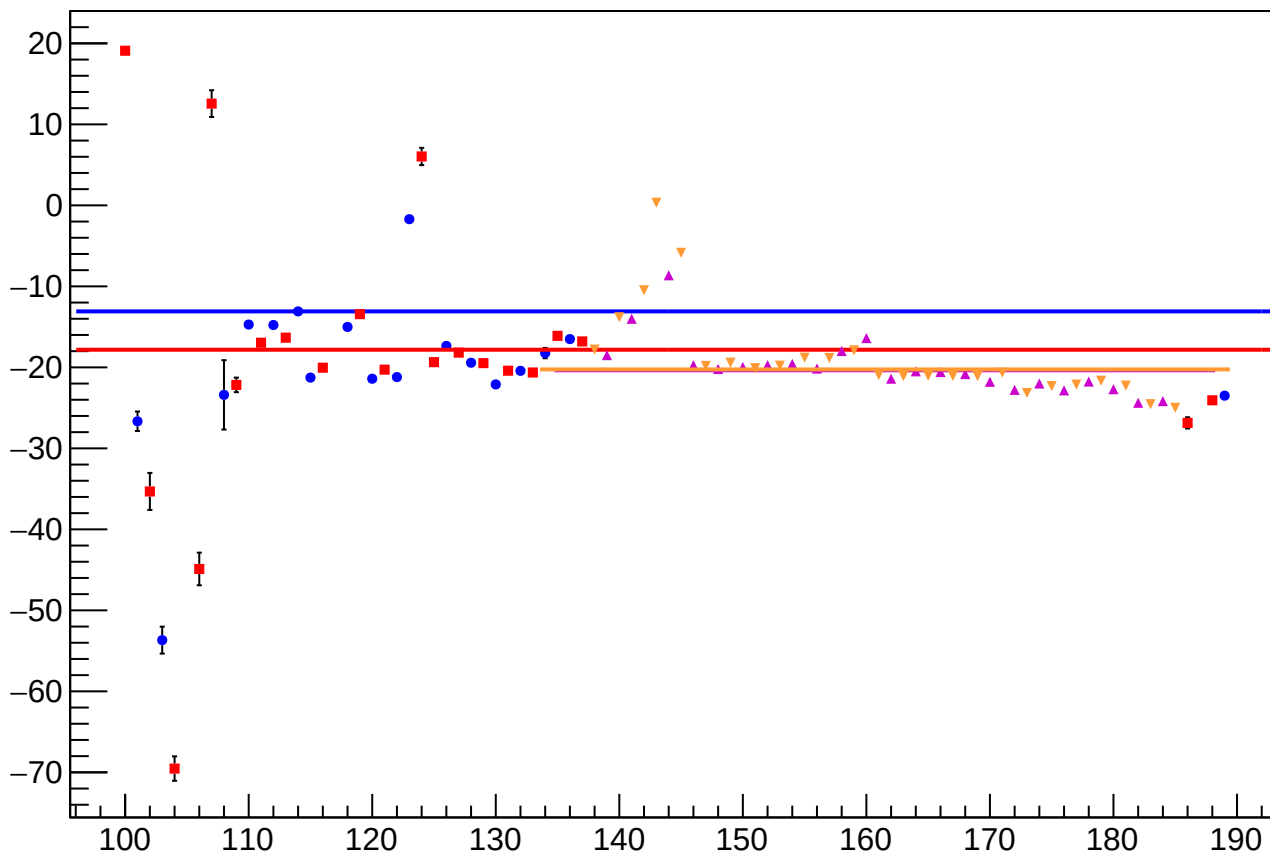
Right: 0.419+/-0.000 χ^2/NDF : 24797052003265142

In: 0.420+/-0.000 χ^2/NDF : 1339437.5/40

Out: -45.259+/-0.000 χ^2/NDF : 19074798.9/45

All: 0.419+/-0.000 χ^2/NDF : 24797052003265142

dit_atl1_4eY_slope vs Slug, Sign Corrected



Right In: -13.090 ± 0.000 χ^2/NDF : 30453.3/17

Left Out: -20.255 ± 0.014 χ^2/NDF : 69246.8/24

Right Out: -17.825 ± 0.047 χ^2/NDF : 15018.5/20

Left In: -20.362 ± 0.015 χ^2/NDF : 19964.2/22

Left: -20.306 ± 0.010 χ^2/NDF : 89237.1/47

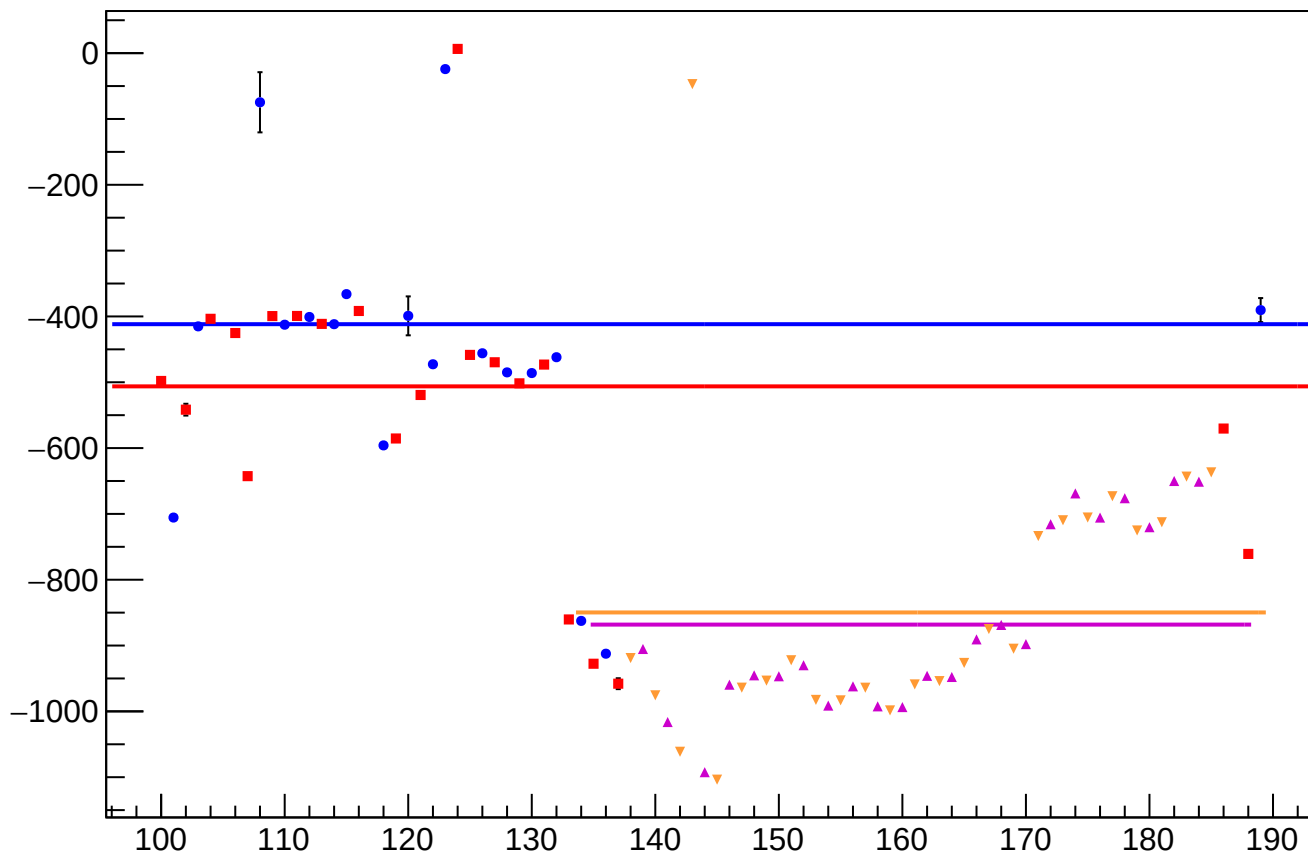
Right: -13.090 ± 0.000 χ^2/NDF : 55408.3/38

In: -13.090 ± 0.000 χ^2/NDF : 281388.9/40

Out: -20.048 ± 0.014 χ^2/NDF : 86660.5/45

All: -13.090 ± 0.000 χ^2/NDF : 620131.0/86

dit_atl2_4aX_slope vs Slug, Sign Corrected



Right In: -411.771 $\pm$ 0.000 χ^2/NDF : 984976.3/17

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

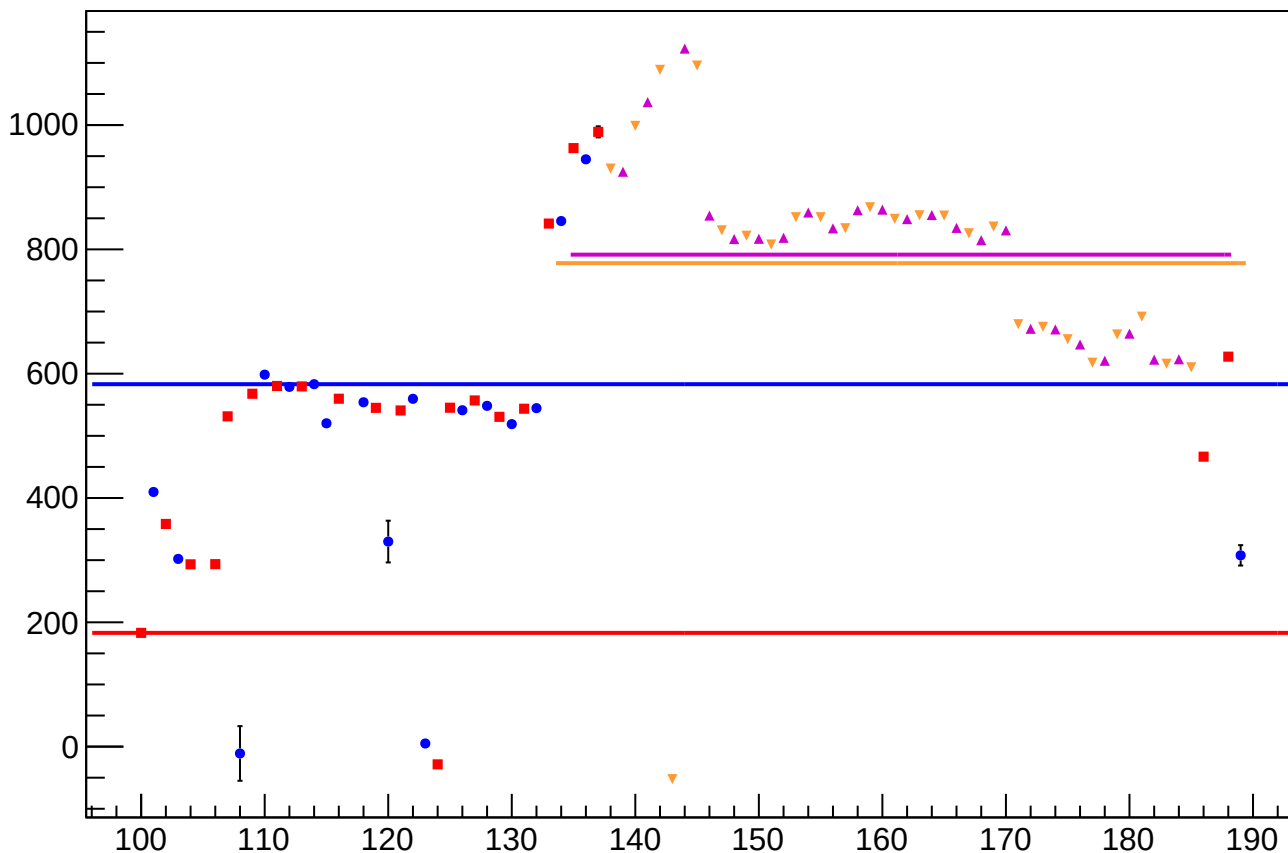
Right: -411.771 $\pm$ 0.000 χ^2/NDF : 2187249.0/38

In: -411.771 $\pm$ 0.000 χ^2/NDF : 11664212.8/40

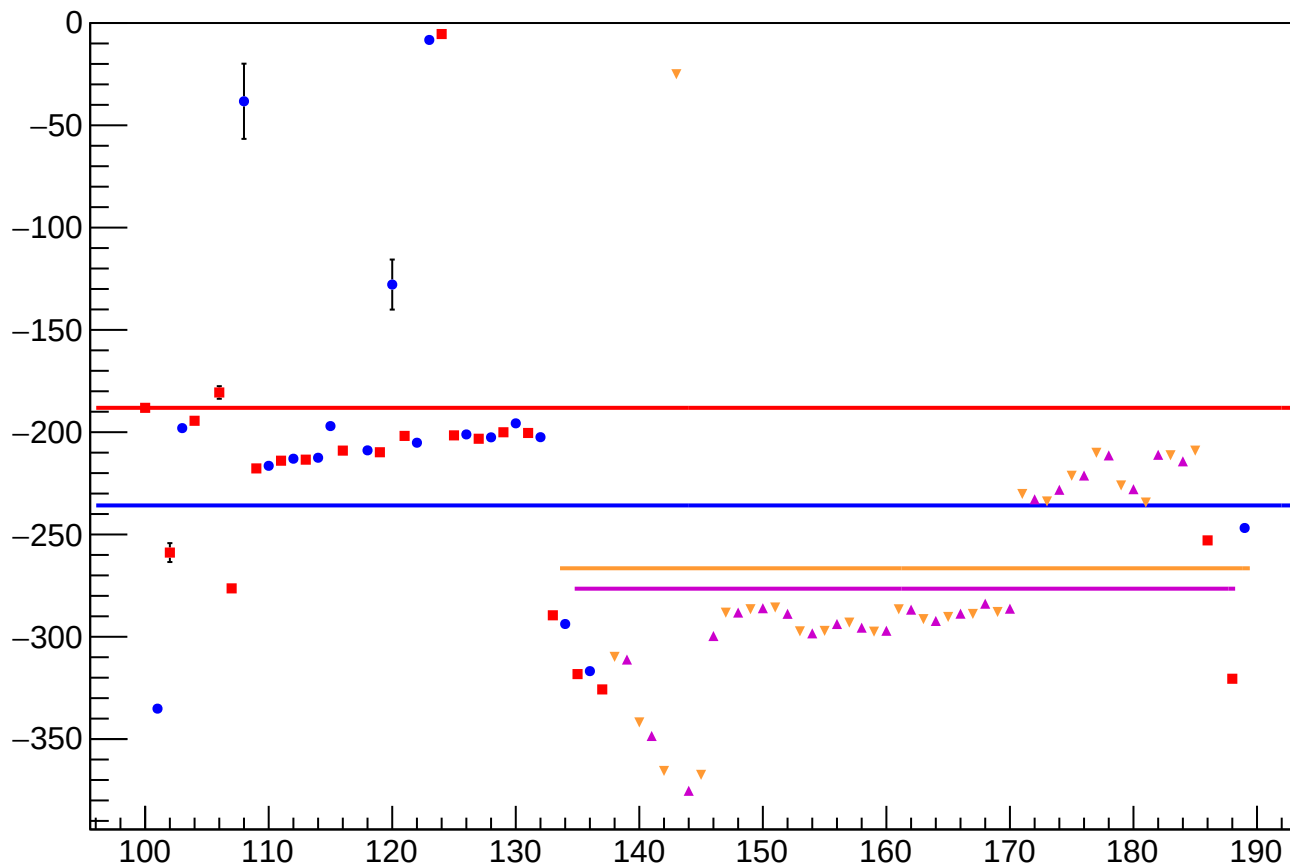
Out: -692.664 $\pm$ 0.105 χ^2/NDF : 4522561.7/45

All: -411.771 $\pm$ 0.000 χ^2/NDF : 23349028.3/8

dit_atl2_4eX_slope vs Slug, Sign Corrected



dit_atl2_11X12X_slope vs Slug, Sign Corrected



Right In: -235.803 ± 0.054 $\chi^2/\text{NDF}: 1039169.3/17$

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 $\chi^2/\text{NDF}: 9586413.3/47$

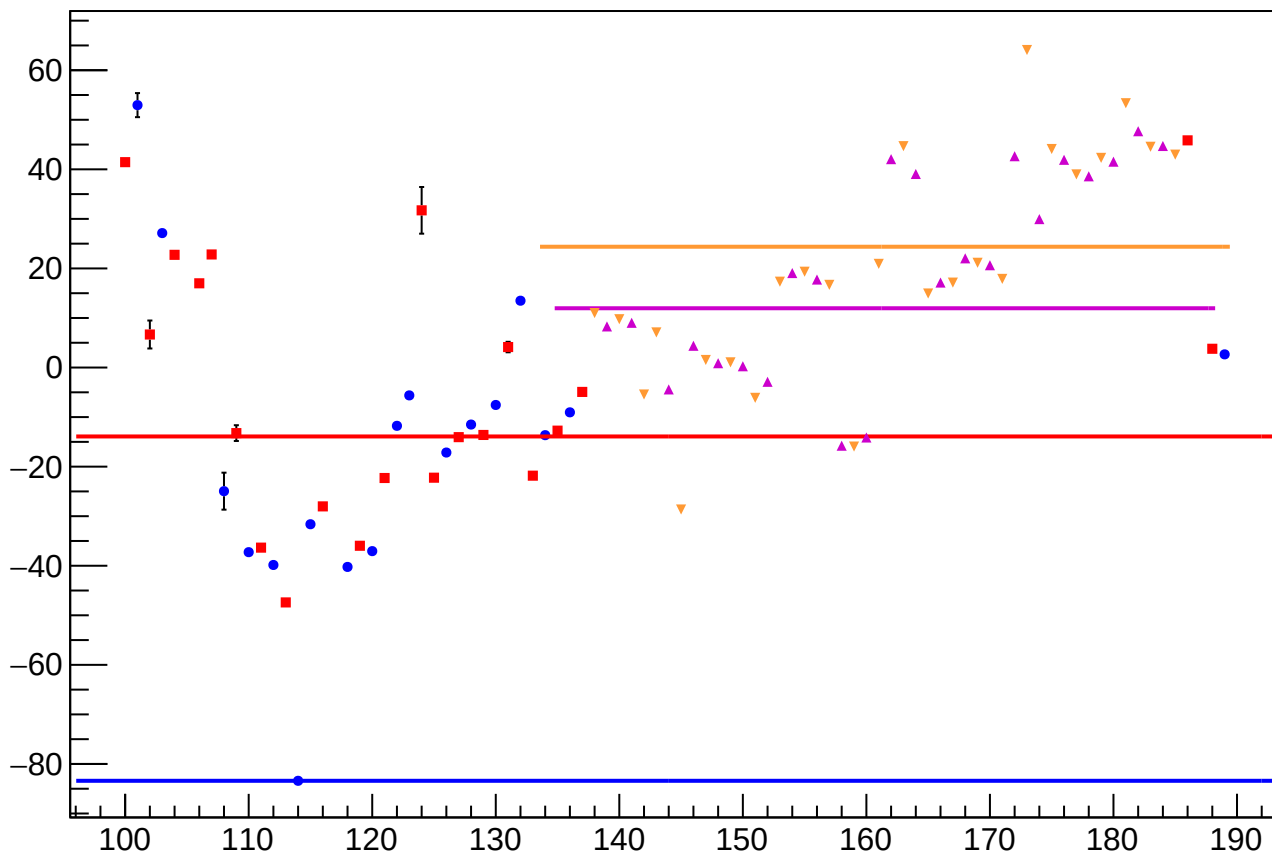
Right: -188.094 ± 0.000 $\chi^2/\text{NDF}: 2832370.3/38$

In: -270.624 ± 0.020 $\chi^2/\text{NDF}: 3968785.0/40$

Out: -188.094 ± 0.000 $\chi^2/\text{NDF}: 21876707.2/45$

All: -188.094 ± 0.000 $\chi^2/\text{NDF}: 42256781.4/8$

dit_atl2_4aY_slope vs Slug, Sign Corrected



Right In: -83.399 ± 0.000 $\chi^2/\text{NDF}: 16964709.6/17$

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 $\chi^2/\text{NDF}: 2641725.9/47$

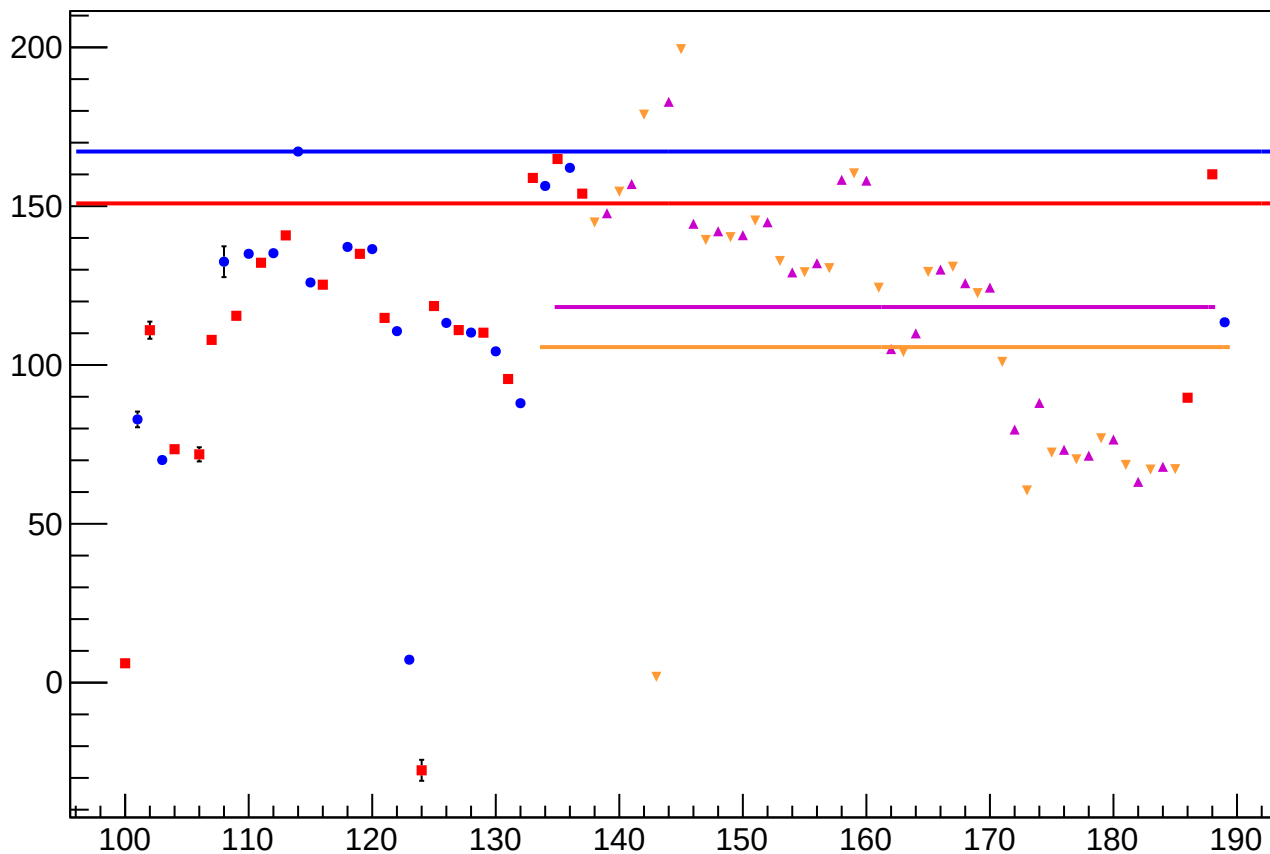
Right: -83.399 ± 0.000 $\chi^2/\text{NDF}: 17600585.2/38$

In: -83.399 ± 0.000 $\chi^2/\text{NDF}: 46224165.6/40$

Out: 22.741 ± 0.019 $\chi^2/\text{NDF}: 1303185.5/45$

All: -83.399 ± 0.000 $\chi^2/\text{NDF}: 79329763.3/86$

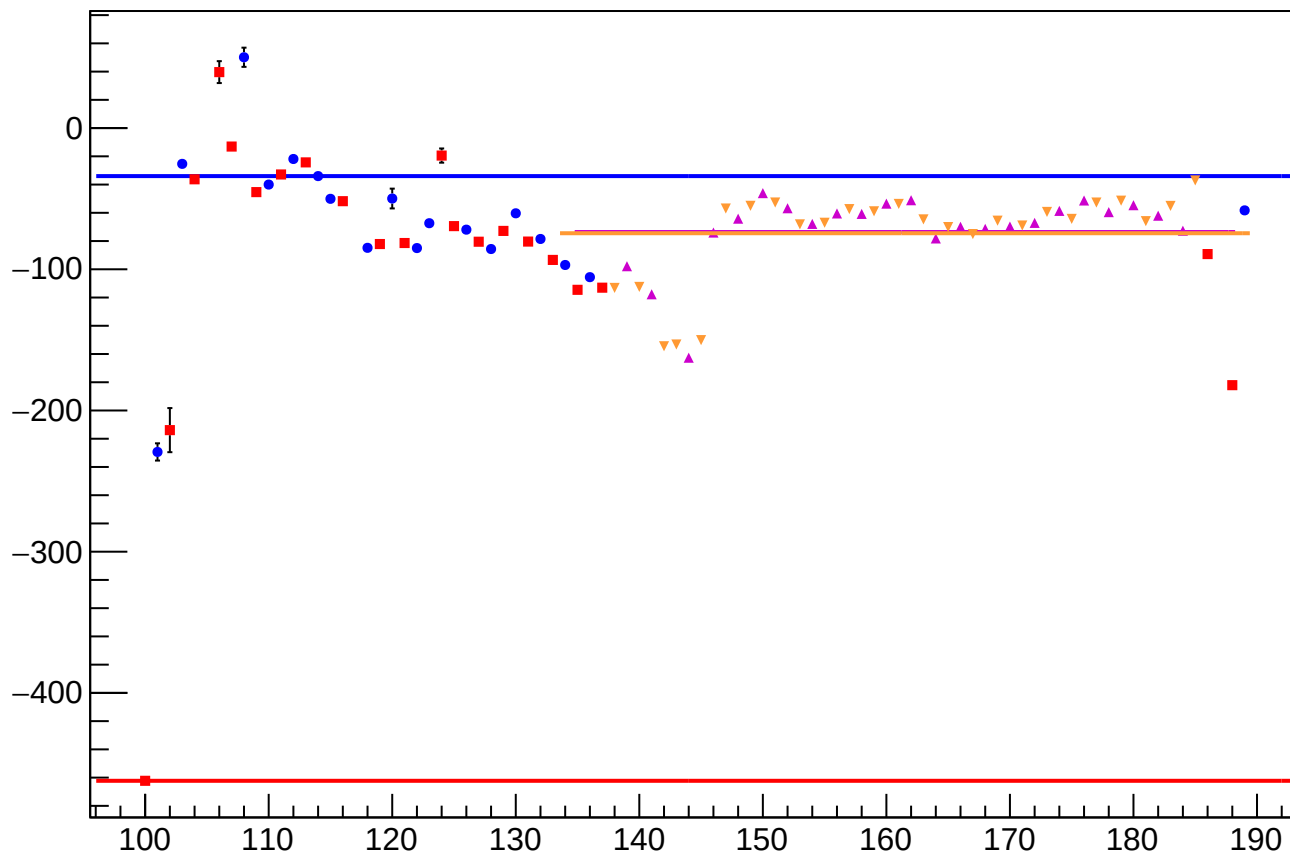
dit_atl2_4eY_slope vs Slug, Sign Corrected



Right In: 167.207 $\pm$ 0.000 χ^2 /NDF: 378942.4/17
 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: 938420.5/38
 In: 167.207 $\pm$ 0.000 χ^2 /NDF:6499012.5/40
 Out: 123.034 $\pm$ 0.019 χ^2 /NDF:3625649.6/45
 All: 167.207 $\pm$ 0.000 χ^2 /NDF: 15810197.8/86

dit_atr1_4aX_slope vs Slug, Sign Corrected



Right In: -34.002 ± 0.000 $\chi^2/\text{NDF}: 103662.3/17$

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 $\chi^2/\text{NDF}: 139939.1/47$

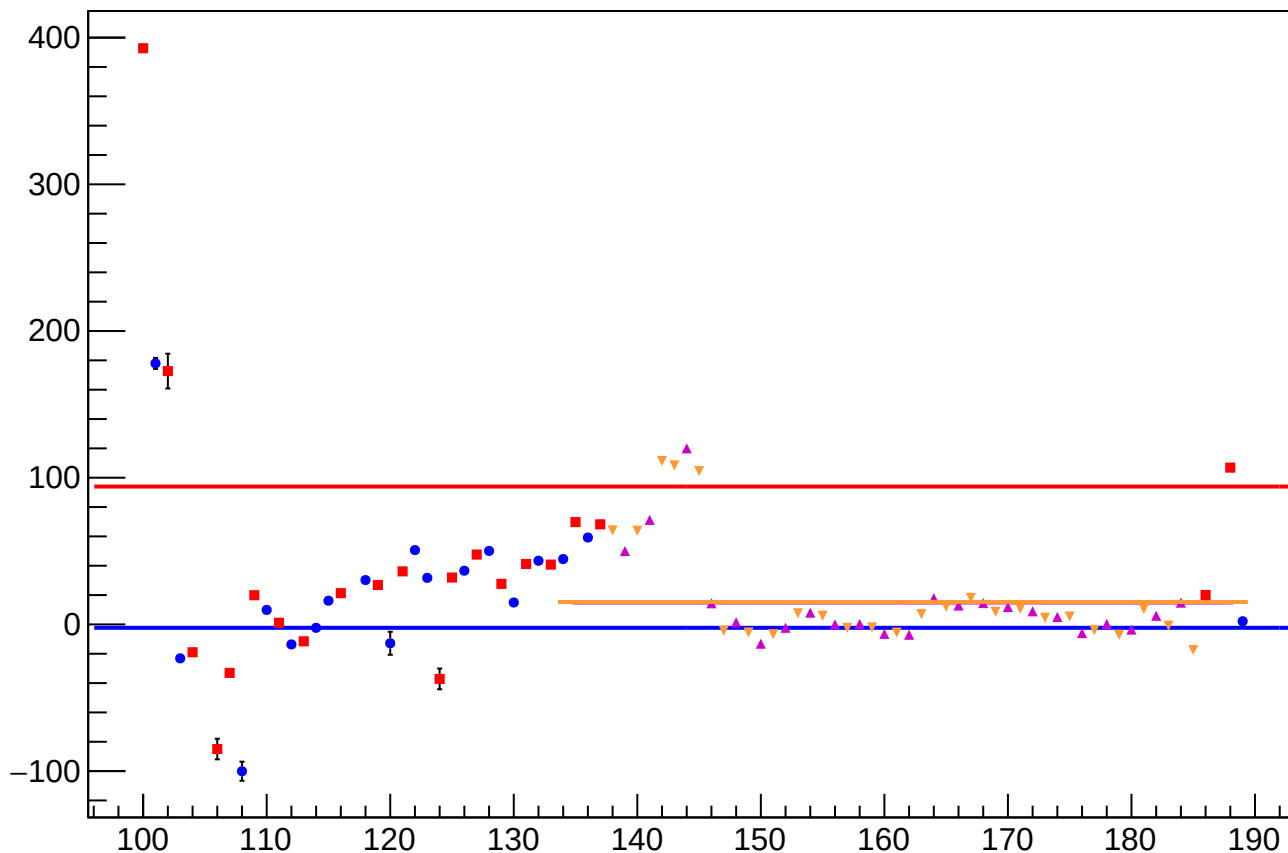
Right: -34.912 ± 0.000 $\chi^2/\text{NDF}: 849582565143584$

In: -34.002 ± 0.000 $\chi^2/\text{NDF}: 300880.8/40$

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 χ^2/NDF : 72310.9/17

Left Out: 15.294 ± 0.095 χ^2/NDF : 107606.8/24

Right Out: 93.973 ± 0.164 χ^2/NDF : 807588.5/20

Left In: 14.934 ± 0.098 χ^2/NDF : 96635.9/22

Left: 15.119 ± 0.068 χ^2/NDF : 204249.7/47

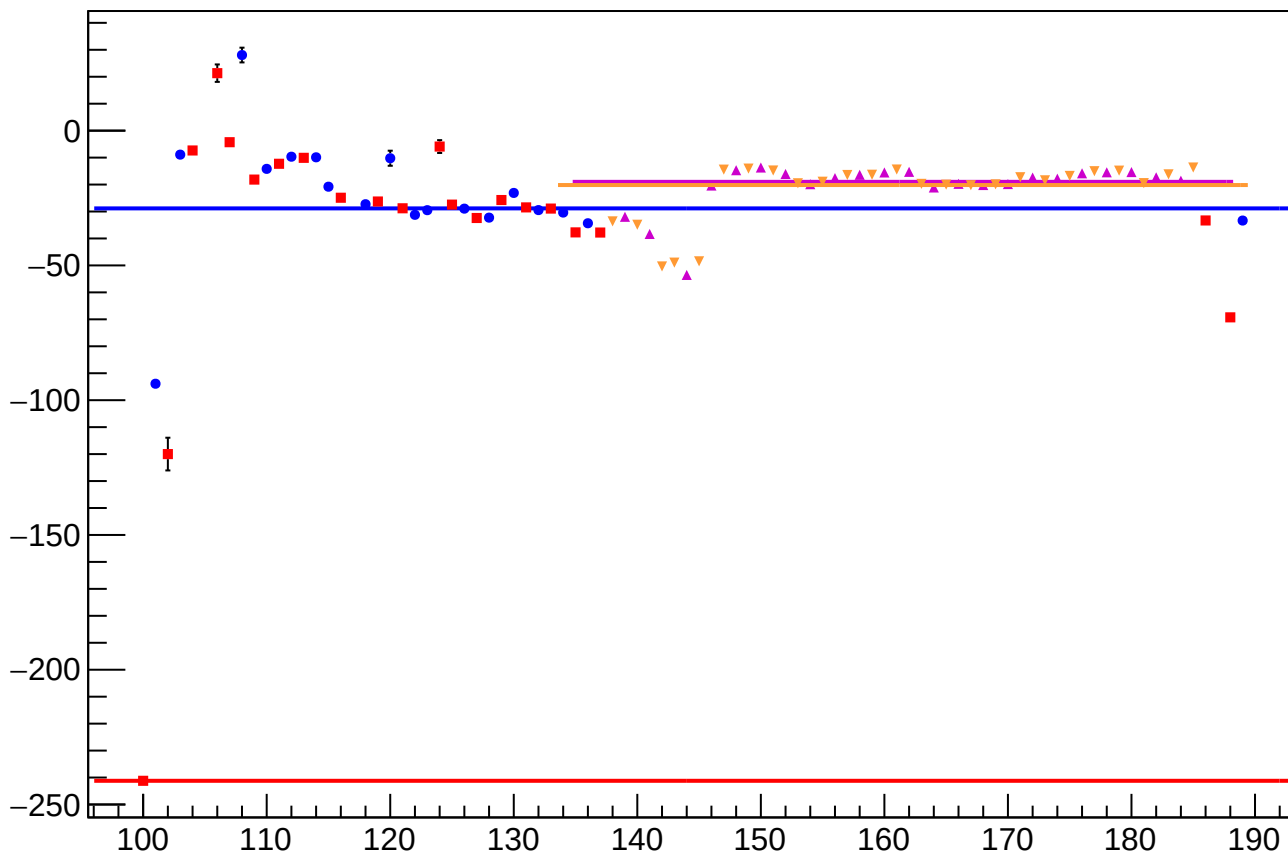
Right: -2.317 ± 0.000 χ^2/NDF : 1222688.9/38

In: -2.317 ± 0.000 χ^2/NDF : 199917.5/40

Out: 35.029 ± 0.082 χ^2/NDF : 1086653.9/45

All: -2.317 ± 0.000 χ^2/NDF : 1492153.0/86

dit_atr1_11X12X_slope vs Slug, Sign Corrected



Right In: -28.842 ± 0.035 $\chi^2/\text{NDF}: 49530.0/17$

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 $\chi^2/\text{NDF}: 604272.4/47$

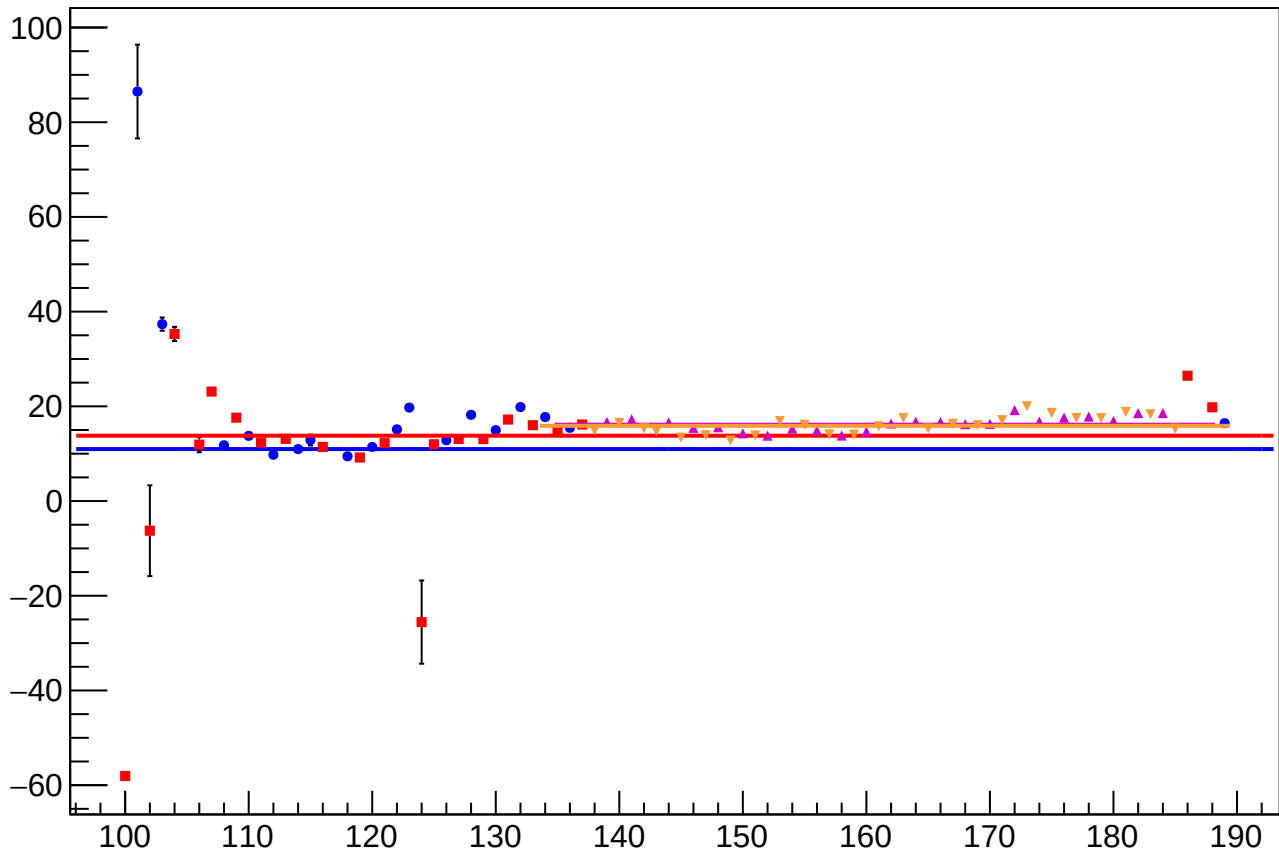
Right: -241.209 ± 0.000 $\chi^2/\text{NDF}: 69764692.0/38$

In: -20.332 ± 0.013 $\chi^2/\text{NDF}: 324195.1/40$

Out: -241.209 ± 0.000 $\chi^2/\text{NDF}: 368613866.6/45$

All: -241.209 ± 0.000 $\chi^2/\text{NDF}: 658711565.7/82$

dit_atr1_4aY_slope vs Slug, Sign Corrected



Right In: 10.978+/-0.000 χ^2/NDF : 26449.3/17

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

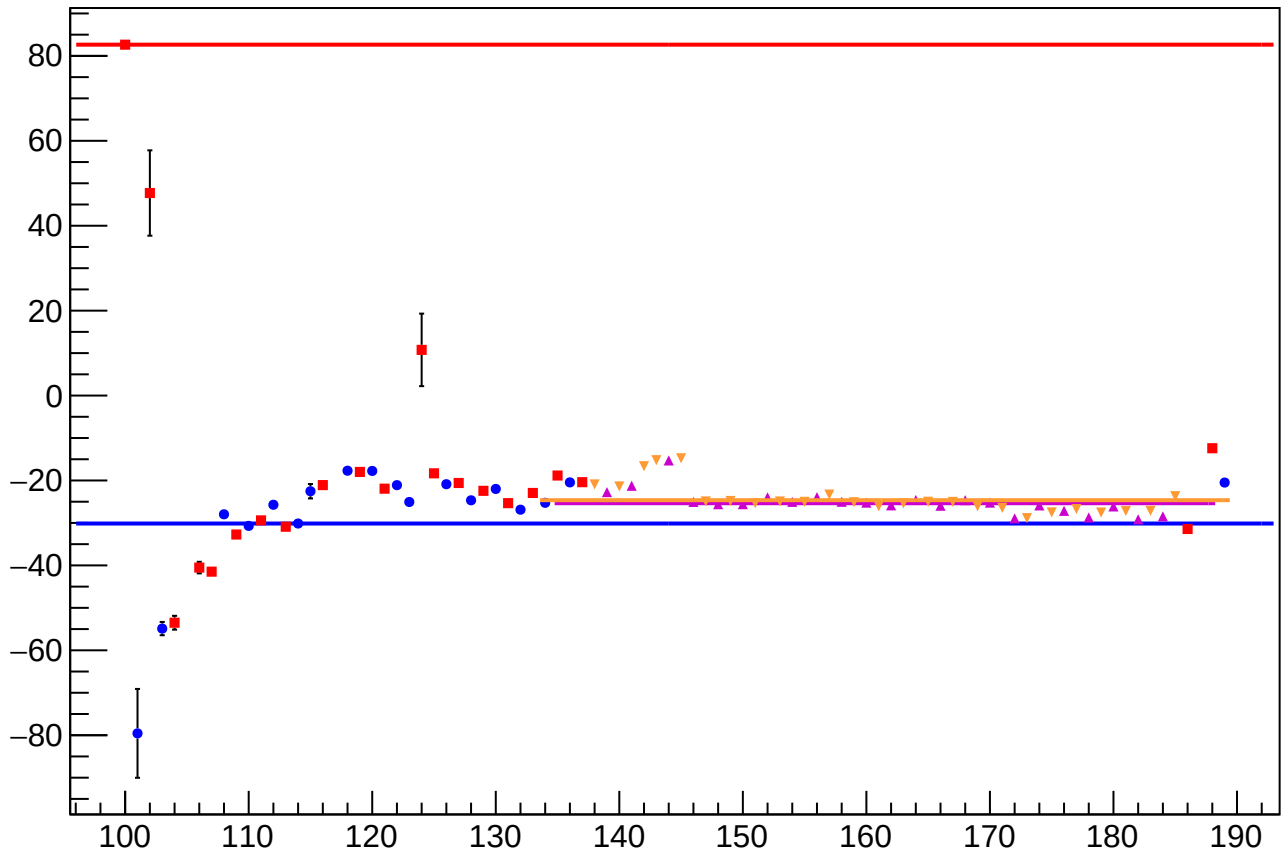
Right: 10.978+/-0.000 χ^2/NDF : 69390.6/38

In: 10.978+/-0.000 χ^2/NDF :204083.3/40

Out: 15.702+/-0.013 χ^2/NDF :54142.7/45

All: 10.978+/-0.000 χ^2/NDF : 388984.6/86

dit_atr1_4eY_slope vs Slug, Sign Corrected



Right In: -30.139+/-0.000 χ^2/NDF : 76174.6/17

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

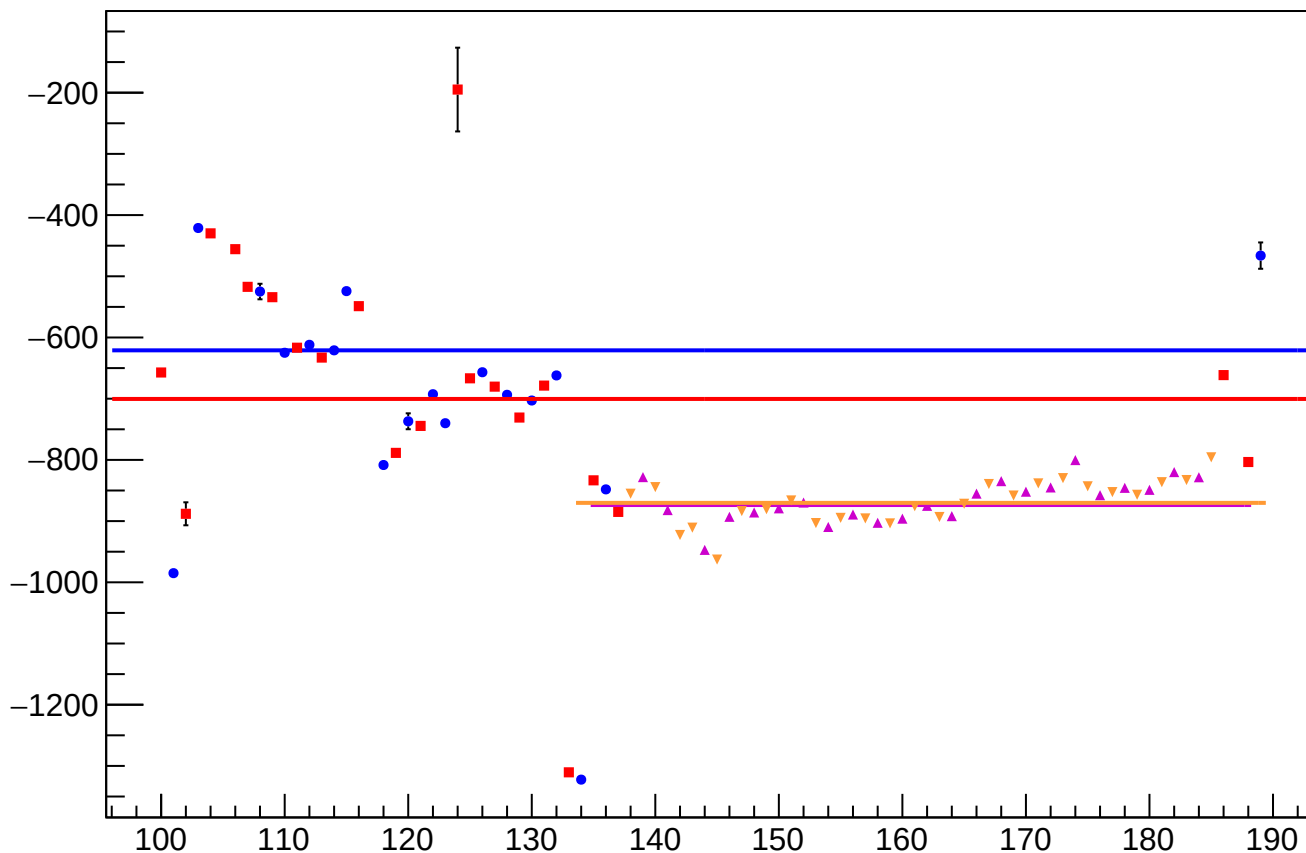
Right: -26.421+/-0.000 χ^2/NDF : 365466407976619

In: -30.139+/-0.000 χ^2/NDF : 184119.3/40

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 : 309649.6/17

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

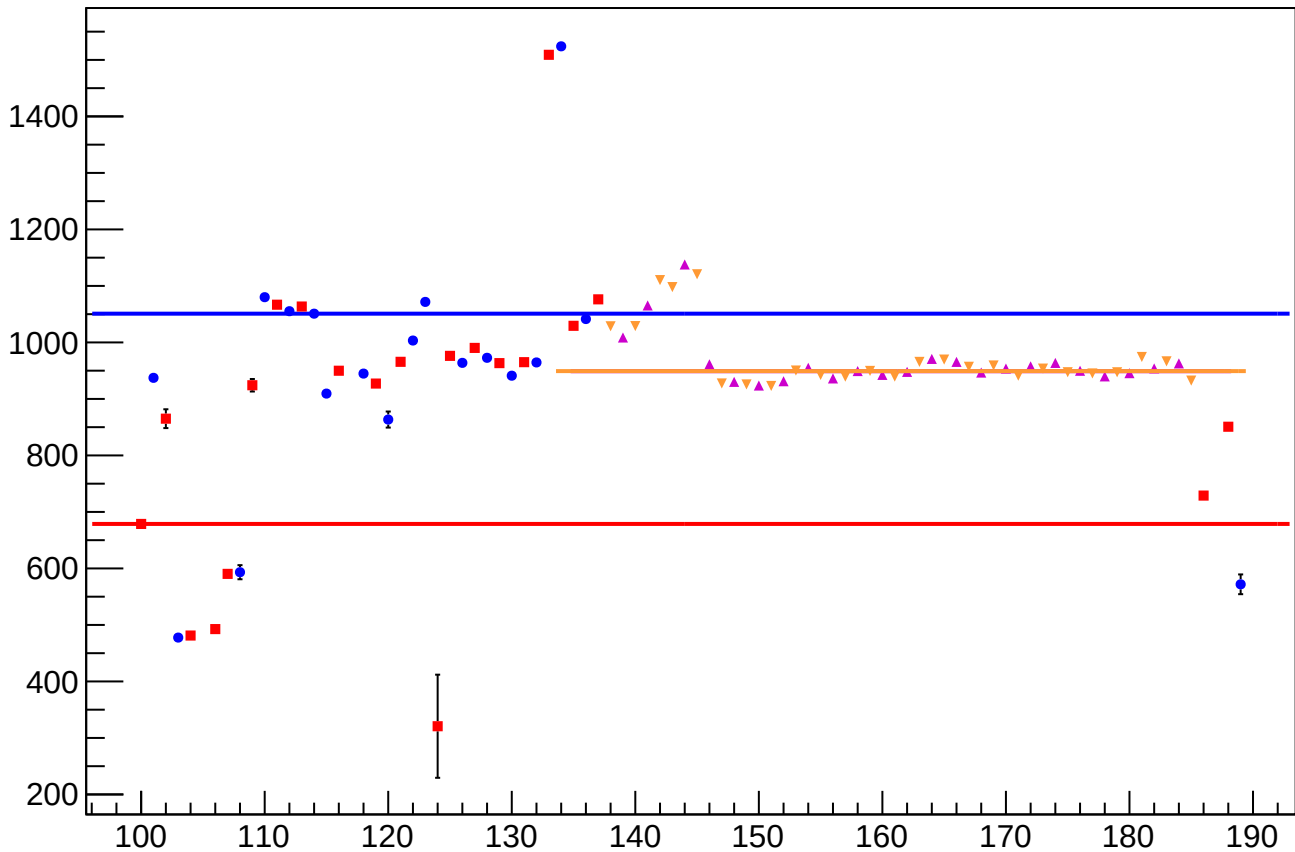
Right: -620.994+/-0.000 χ^2/NDF : 1056859.4/38

In: -620.994+/-0.000 χ^2/NDF : 4570500.0/40

Out: -809.721+/-0.102 χ^2/NDF : 1218637.1/45

All: -620.994+/-0.000 χ^2/NDF : 9202088.1/86

dit_atr2_4eX_slope vs Slug, Sign Corrected



Right In: 1050.885 $\pm$ 0.000 χ^2 /NDF: 297286.0/17

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

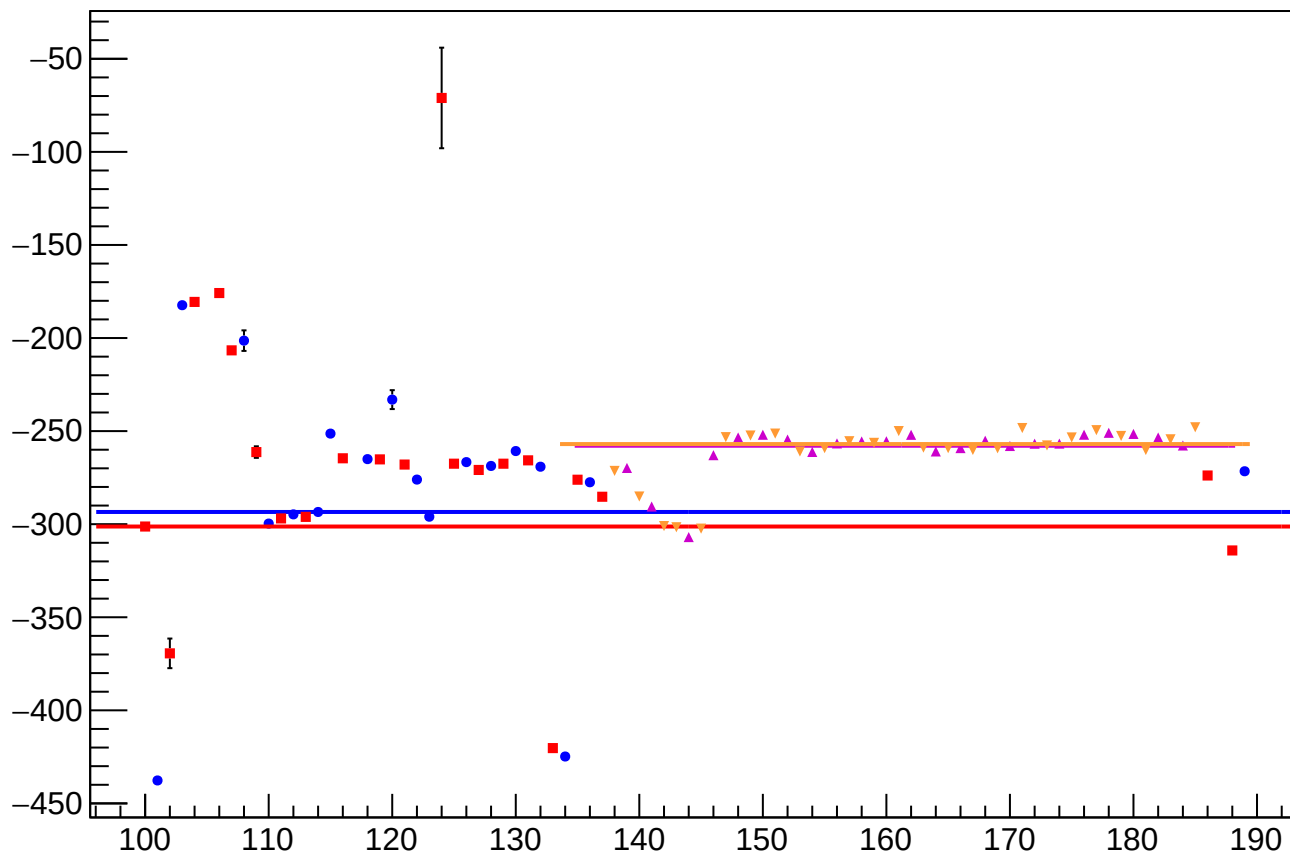
Right: 717.012 $\pm$ 0.000 χ^2 /NDF: 660888056800884

In: 1050.885 $\pm$ 0.000 χ^2 /NDF: 1363733.9/40

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 : 819422.6/17

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

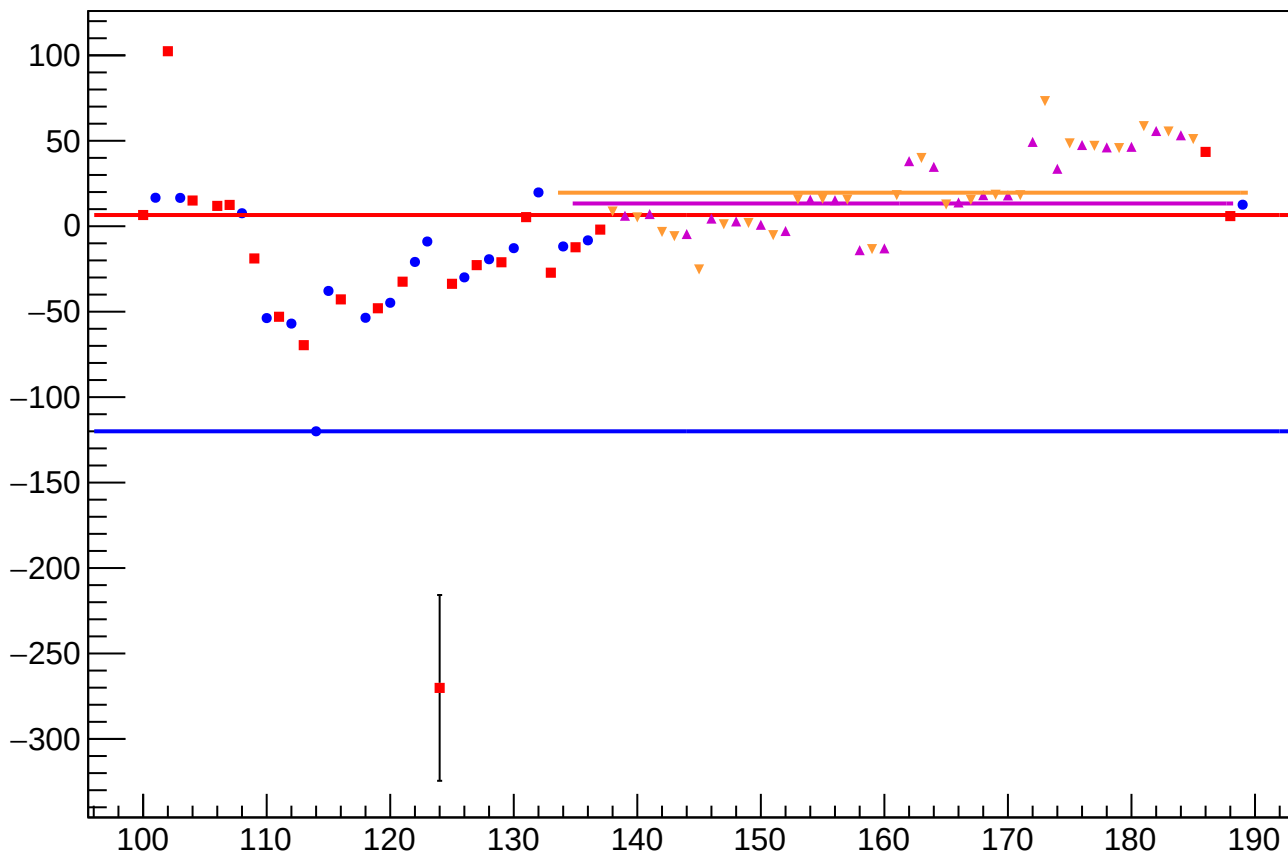
Right: -296.200+/-0.000 χ^2/NDF : 73444542243591

In: -293.440+/-0.000 χ^2/NDF :4693138.2/40

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 : 1535569.4/17

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

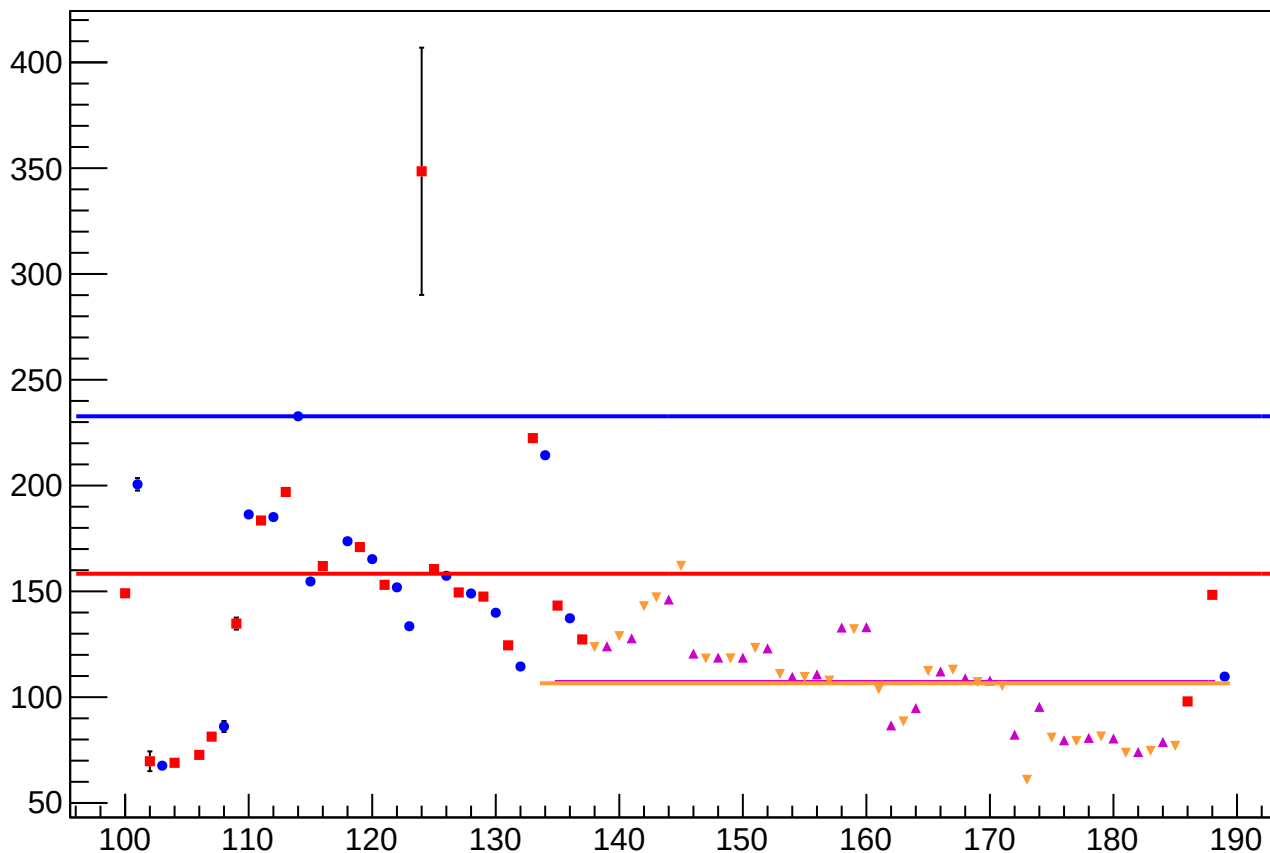
Right: 6.462+/-0.000 χ^2/NDF : 96855847891730169

In: -119.993+/-0.000 χ^2/NDF :53096157.4/40

Out: 6.562+/-0.000 χ^2/NDF :1965436.9/45

All: 6.462+/-0.000 χ^2/NDF : 96855847891730

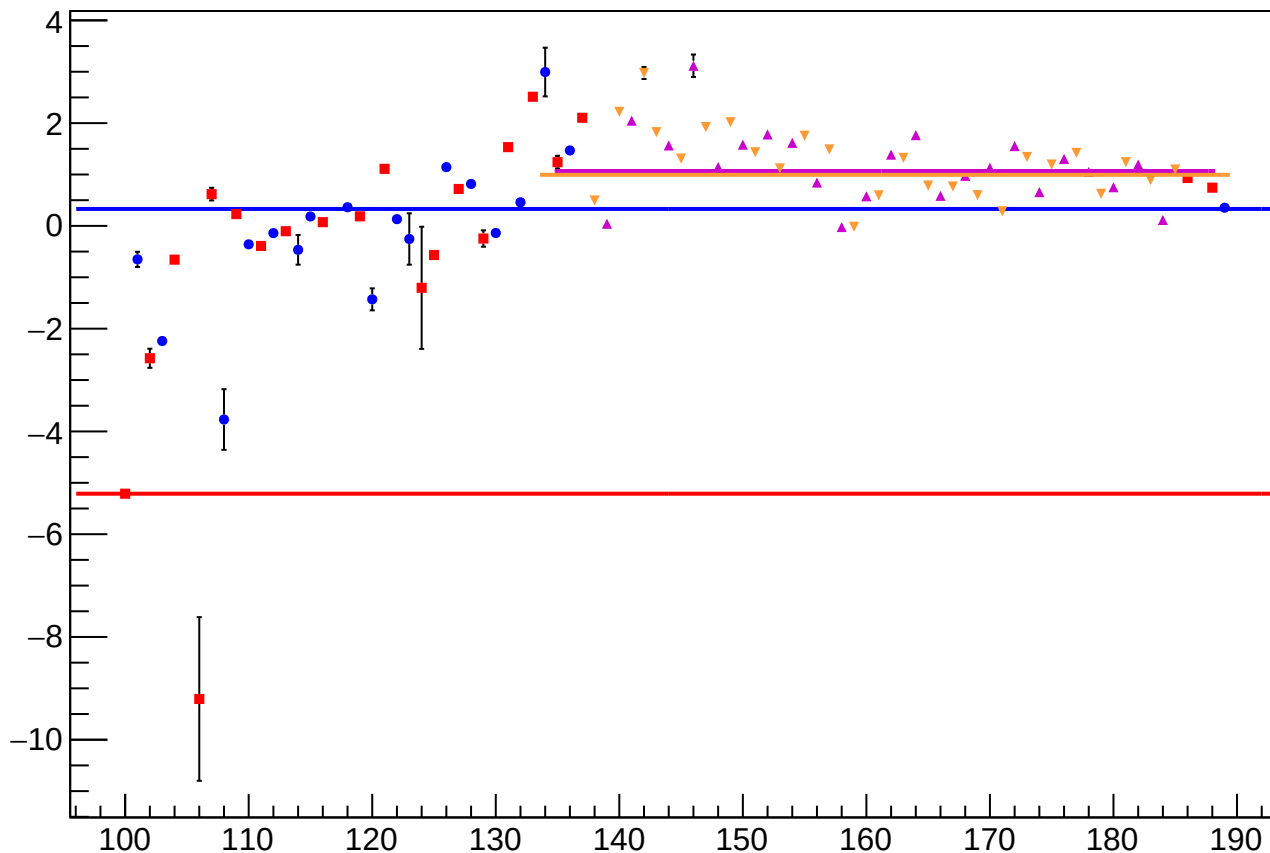
dit_atr2_4eY_slope vs Slug, Sign Corrected



Right In: 232.747 $\pm$ 0.000 χ^2 /NDF: 898414.3/17
 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: 1874352.0/38
 In: 232.747 $\pm$ 0.000 χ^2 /NDF: 42381764.9/40
 Out: 110.062 $\pm$ 0.022 χ^2 /NDF: 1219625.1/45
 All: 232.747 $\pm$ 0.000 χ^2 /NDF: 75524271.6/80

dit_sam1_4aX_slope vs Slug, Sign Corrected



Right In: 0.330 ± 0.013 $\chi^2/\text{NDF}: 4100.4/17$

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 $\chi^2/\text{NDF}: 13906.4/47$

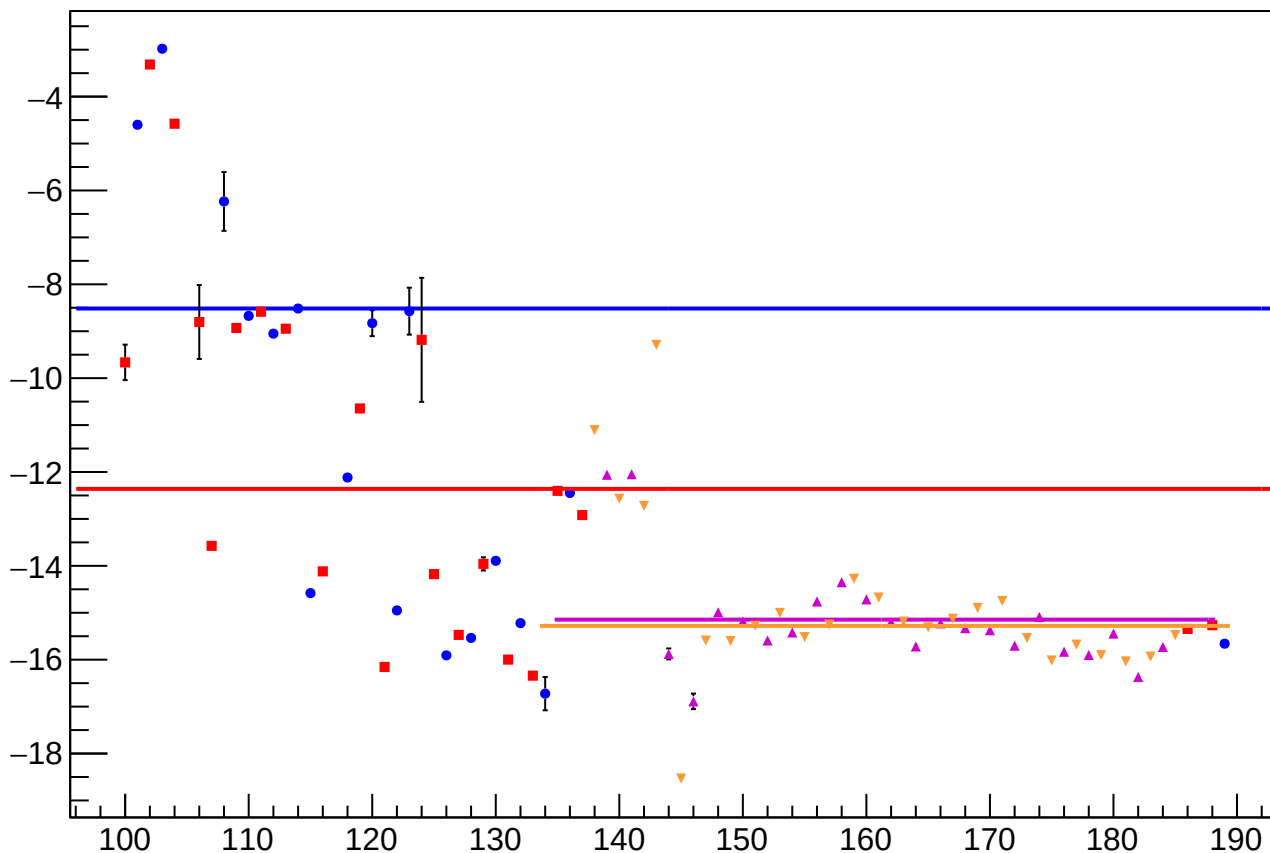
Right: -5.212 ± 0.000 $\chi^2/\text{NDF}: 721075.5/38$

In: 0.914 ± 0.006 $\chi^2/\text{NDF}: 14206.1/40$

Out: -5.212 ± 0.000 $\chi^2/\text{NDF}: 1376622.5/45$

All: -5.212 ± 0.000 $\chi^2/\text{NDF}: 2524605.5/86$

dit_sam1_4eX_slope vs Slug, Sign Corrected



Right In: -8.516 ± 0.000 χ^2/NDF : 424865.0/17

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

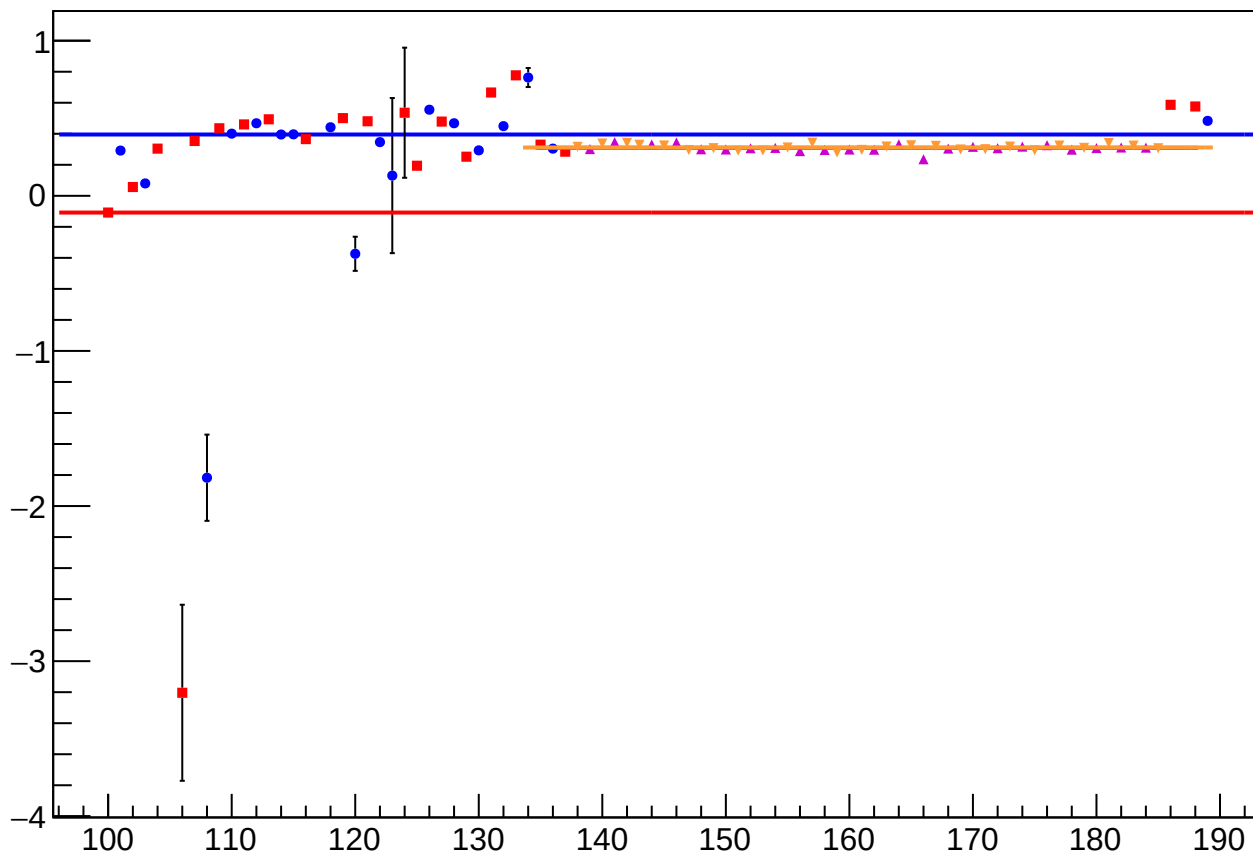
Right: -8.516 ± 0.000 χ^2/NDF : 686013.3/38

In: -8.516 ± 0.000 χ^2/NDF : 1754069.1/40

Out: -14.668 ± 0.005 χ^2/NDF : 228219.7/45

All: -8.516 ± 0.000 χ^2/NDF : 3631854.7/86

dit_sam1_11X12X_slope vs Slug, Sign Corrected



Right In: 0.395 $\pm$ 0.000 χ^2 /NDF: 10323.5/17

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

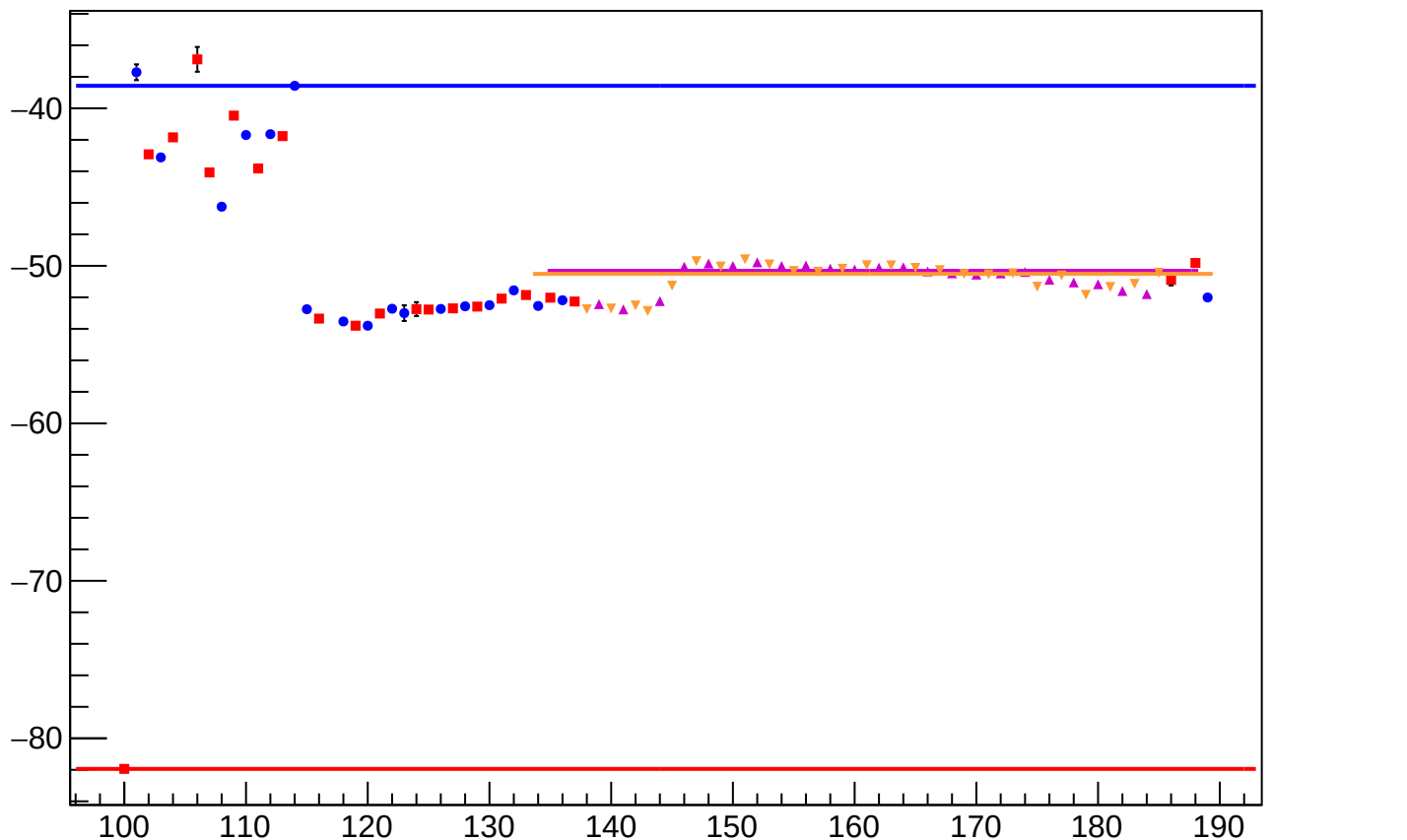
Right: -0.056 $\pm$ 0.000 χ^2 /NDF: 8110213490538816

In: 0.395 $\pm$ 0.000 χ^2 /NDF:152940.5/40

Out: -0.108 $\pm$ 0.000 χ^2 /NDF:3755815.1/45

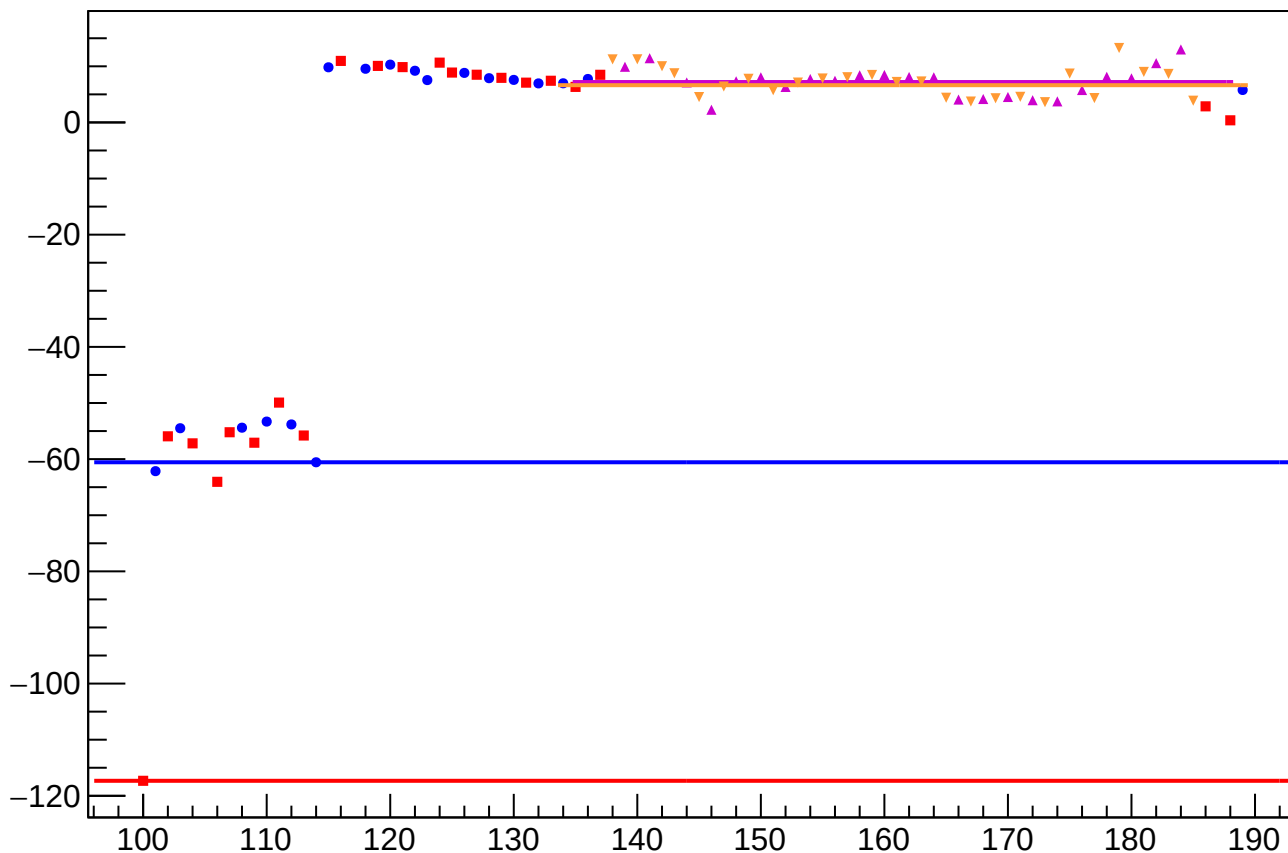
All: -0.056 $\pm$ 0.000 χ^2 /NDF: 8110213490538

dit_sam1_4aY_slope vs Slug, Sign Corrected



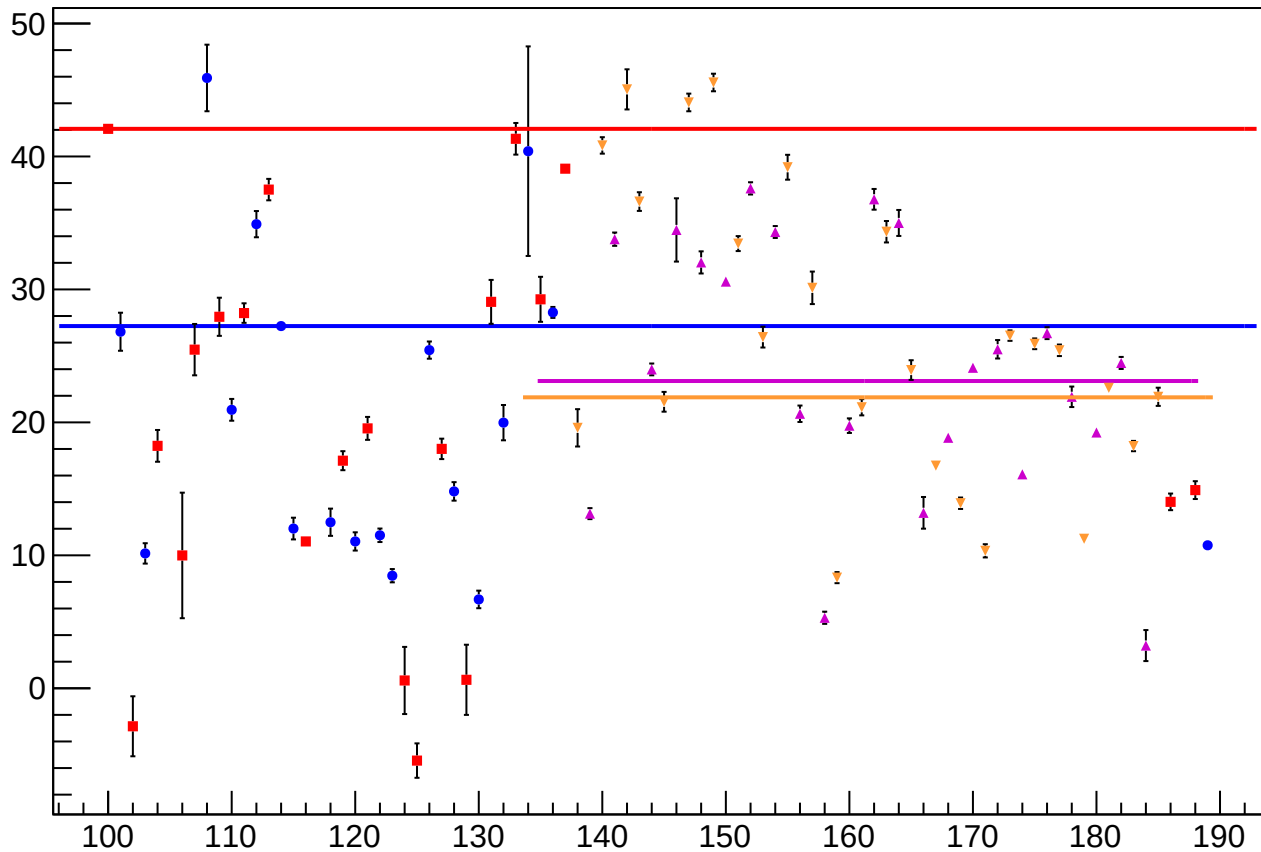
Right In: -38.570 ± 0.000	$\chi^2/\text{NDF}: 12315519.3/17$	Left: -50.404 ± 0.001	$\chi^2/\text{NDF}: 486261.6/47$
Left Out: -50.512 ± 0.001	$\chi^2/\text{NDF}: 289828.8/24$	Right: -43.774 ± 0.000	$\chi^2/\text{NDF}: 491816286535349$
Right Out: -81.941 ± 0.000	$\chi^2/\text{NDF}: 120439872.5/20$	In: -38.570 ± 0.000	$\chi^2/\text{NDF}: 95858049.0/40$
Left In: -50.317 ± 0.001	$\chi^2/\text{NDF}: 186234.6/22$	Out: -81.941 ± 0.000	$\chi^2/\text{NDF}: 600948804.9/45$
		All: -43.774 ± 0.000	$\chi^2/\text{NDF}: 491816286535$

dit_sam1_4eY_slope vs Slug, Sign Corrected



Right In: -60.561 ± 0.000 $\chi^2/\text{NDF}: 179321613.0/17$ Left: 6.937 ± 0.003 $\chi^2/\text{NDF}: 553753.2/47$
 Left Out: 6.637 ± 0.004 $\chi^2/\text{NDF}: 338489.5/24$ Right: -91.839 ± 0.000 $\chi^2/\text{NDF}: 429805156128459$
 Right Out: -117.324 ± 0.000 $\chi^2/\text{NDF}: 219645334.5/20$ In: -60.561 ± 0.000 $\chi^2/\text{NDF}: 562742759.3/40$
 Left In: 7.199 ± 0.003 $\chi^2/\text{NDF}: 202969.6/22$ Out: -117.324 ± 0.000 $\chi^2/\text{NDF}: 1339840071.3/45$
 All: -91.839 ± 0.000 $\chi^2/\text{NDF}: 429805156128$

dit_sam2_4aX_slope vs Slug, Sign Corrected



Right In: 27.244 ± 0.000 $\chi^2/\text{NDF}: 7856.5/17$

Left Out: 21.883 ± 0.100 $\chi^2/\text{NDF}: 8864.2/24$

Right Out: 42.078 ± 0.000 $\chi^2/\text{NDF}: 41875.5/20$

Left In: 23.111 ± 0.097 $\chi^2/\text{NDF}: 6631.9/22$

Left: 22.514 ± 0.070 $\chi^2/\text{NDF}: 15573.9/47$

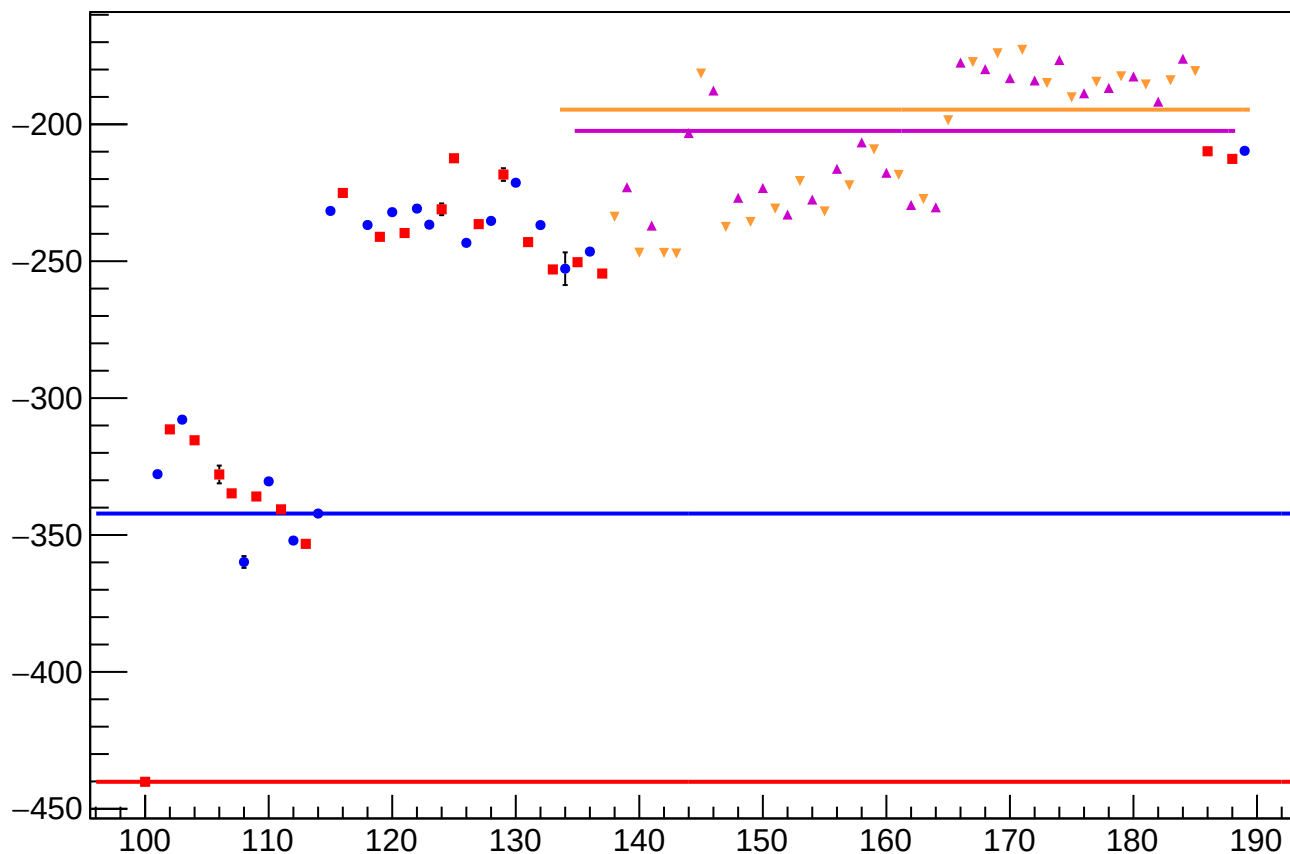
Right: 35.418 ± 0.000 $\chi^2/\text{NDF}: 1174117197606931$

In: 27.244 ± 0.000 $\chi^2/\text{NDF}: 16299.3/40$

Out: 42.078 ± 0.000 $\chi^2/\text{NDF}: 91666.8/45$

All: 35.418 ± 0.000 $\chi^2/\text{NDF}: 1174117197606931$

dit_sam2_4eX_slope vs Slug, Sign Corrected



Right In: -342.165+/-0.000 χ^2/NDF : 341414.0/17

Left Out: -194.642+/-0.083 χ^2/NDF : 69633.8/24

Right Out: -440.136+/-0.000 χ^2/NDF : 7366784.6/20

Left In: -202.410+/-0.086 χ^2/NDF : 63292.5/22

Left: -198.413+/-0.060 χ^2/NDF : 137140.2/47

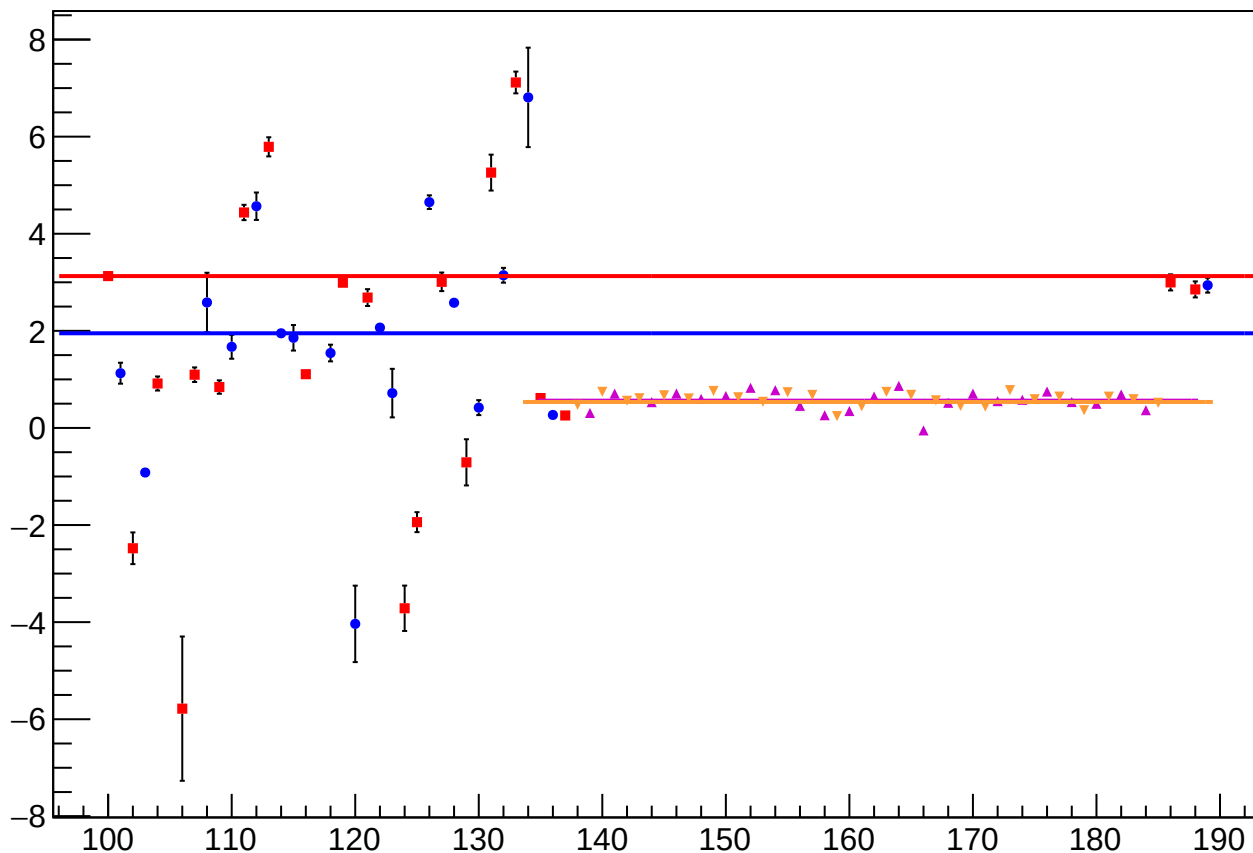
Right: -376.743+/-0.000 χ^2/NDF : 11532667116612

In: -342.165+/-0.000 χ^2/NDF : 3055687.5/40

Out: -440.136+/-0.000 χ^2/NDF : 16107591.9/45

All: -376.743+/-0.000 χ^2/NDF : 11532667116

dit_sam2_11X12X_slope vs Slug, Sign Corrected



Right In: 1.950 ± 0.000 χ^2/NDF : 64145.9/17

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

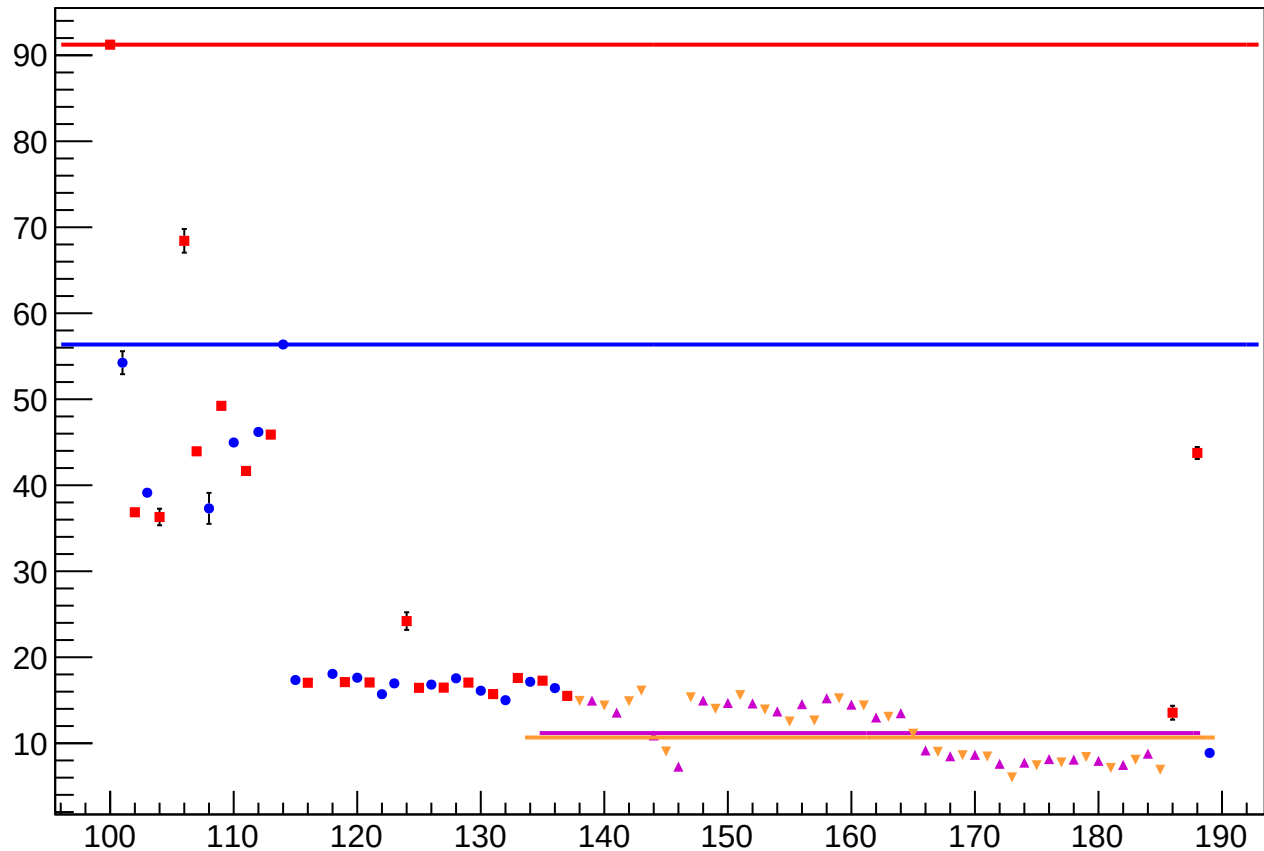
Right: 2.366 ± 0.000 χ^2/NDF : 27324586822992261

In: 1.950 ± 0.000 χ^2/NDF : 1001725.3/40

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



Right In: 56.366 ± 0.000 $\chi^2/\text{NDF}: 8305565.3/17$

Left Out: 10.666 ± 0.006 $\chi^2/\text{NDF}: 292197.2/24$

Right Out: 91.232 ± 0.000 $\chi^2/\text{NDF}: 17936256.4/20$

Left In: 11.184 ± 0.007 $\chi^2/\text{NDF}: 221112.8/22$

Left: 10.915 ± 0.005 $\chi^2/\text{NDF}: 516399.0/47$

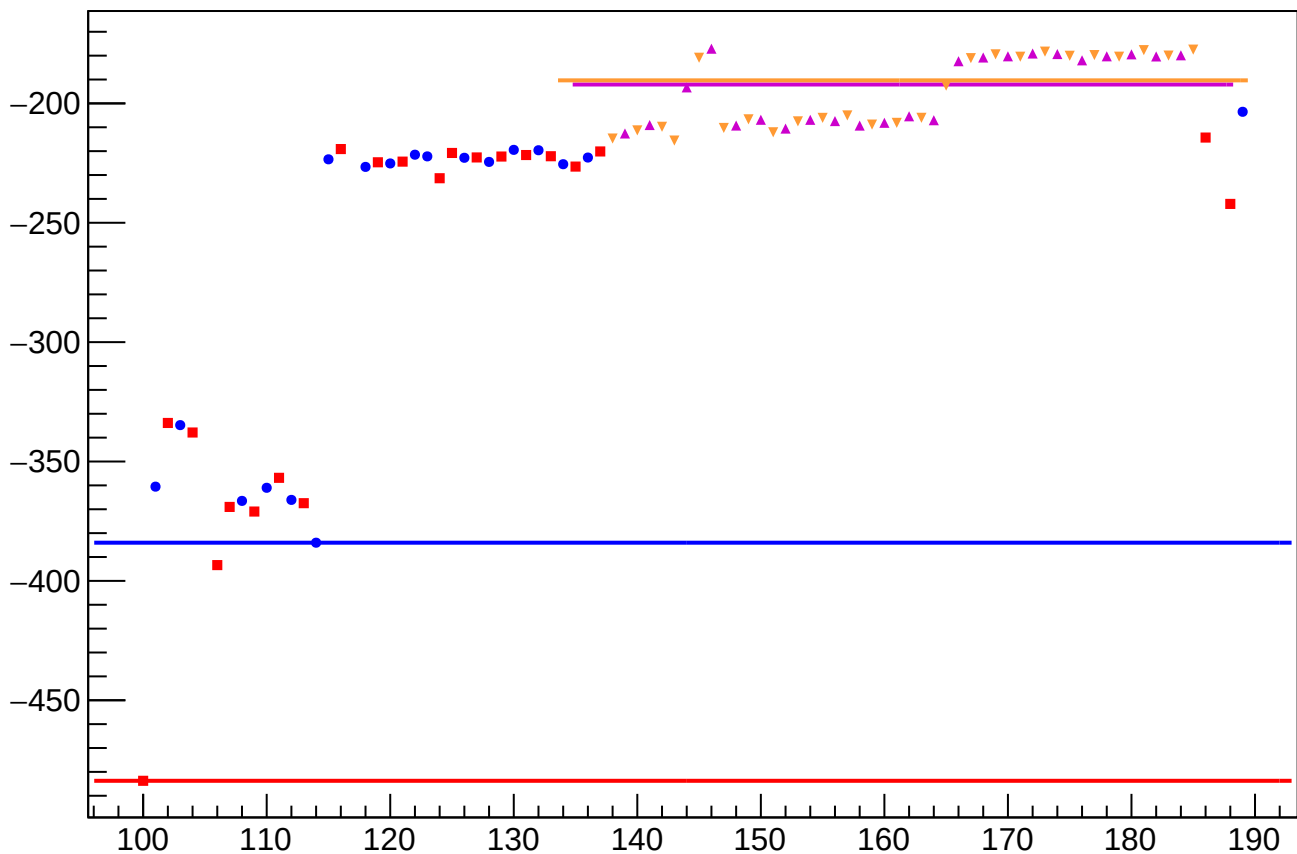
Right: 60.550 ± 0.000 $\chi^2/\text{NDF}: 3178336126771154$

In: 56.366 ± 0.000 $\chi^2/\text{NDF}: 53783851.0/40$

Out: 91.232 ± 0.000 $\chi^2/\text{NDF}: 173792666.9/45$

All: 60.550 ± 0.000 $\chi^2/\text{NDF}: 3178336126771$

dit_sam2_4eY_slope vs Slug, Sign Corrected



Right In: -384.003 ± 0.000 $\chi^2/\text{NDF}: 17511454.2/17$

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 $\chi^2/\text{NDF}: 2949756.6/47$

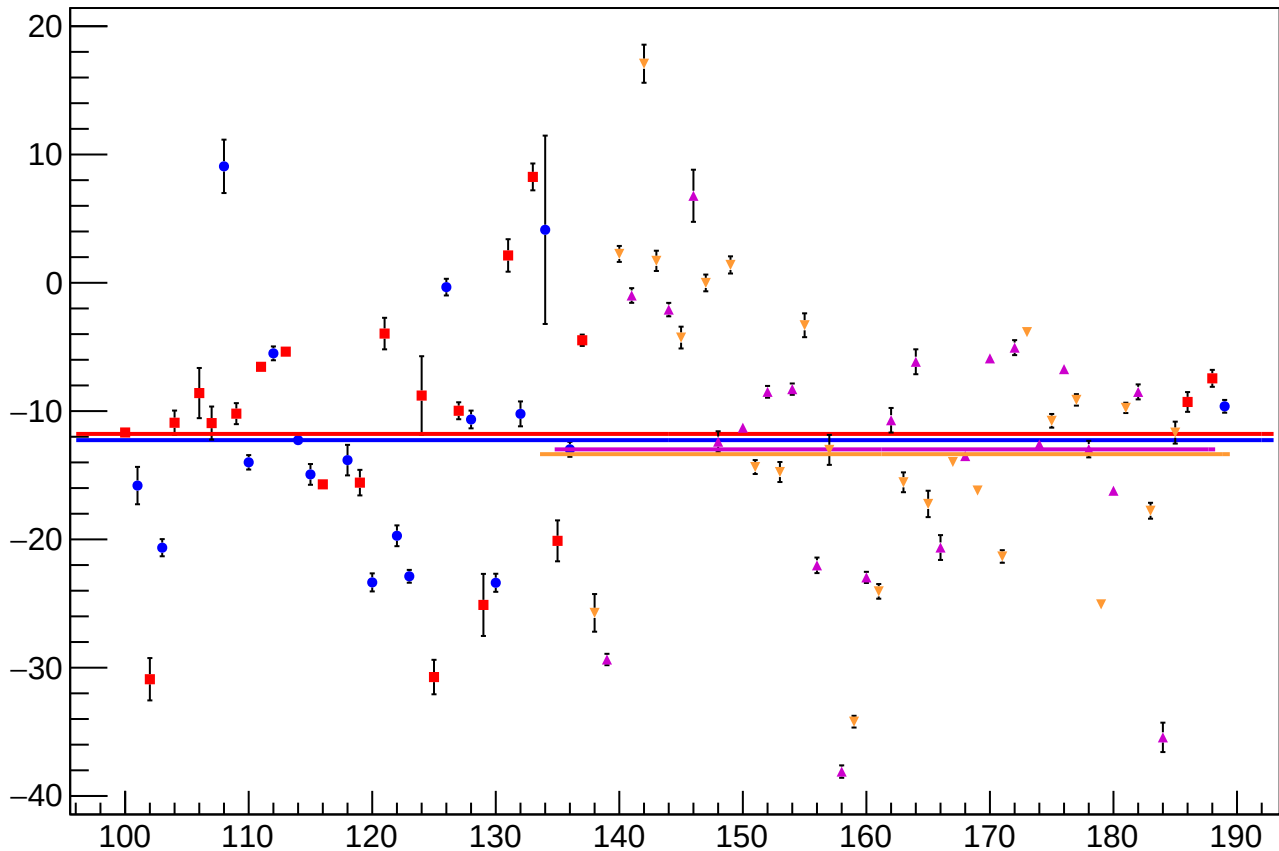
Right: -452.390 ± 0.000 $\chi^2/\text{NDF}: 58047820362383$

In: -384.003 ± 0.000 $\chi^2/\text{NDF}: 292453912.4/40$

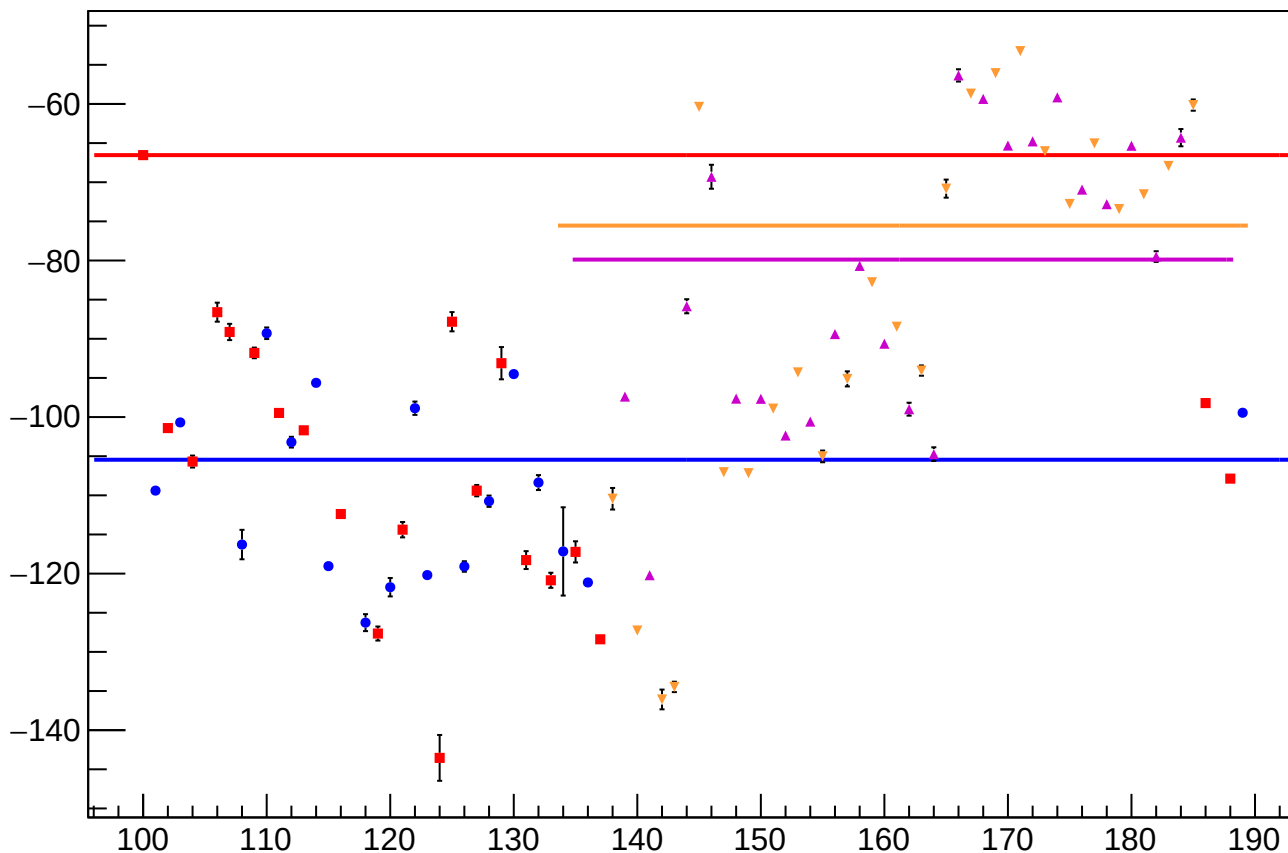
Out: -483.735 ± 0.000 $\chi^2/\text{NDF}: 671796434.2/45$

All: -452.390 ± 0.000 $\chi^2/\text{NDF}: 58047820362$

dit_sam3_4aX_slope vs Slug, Sign Corrected



dit_sam3_4eX_slope vs Slug, Sign Corrected



Right In: -105.451 ± 0.104 χ^2/NDF : 6593.9/17

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

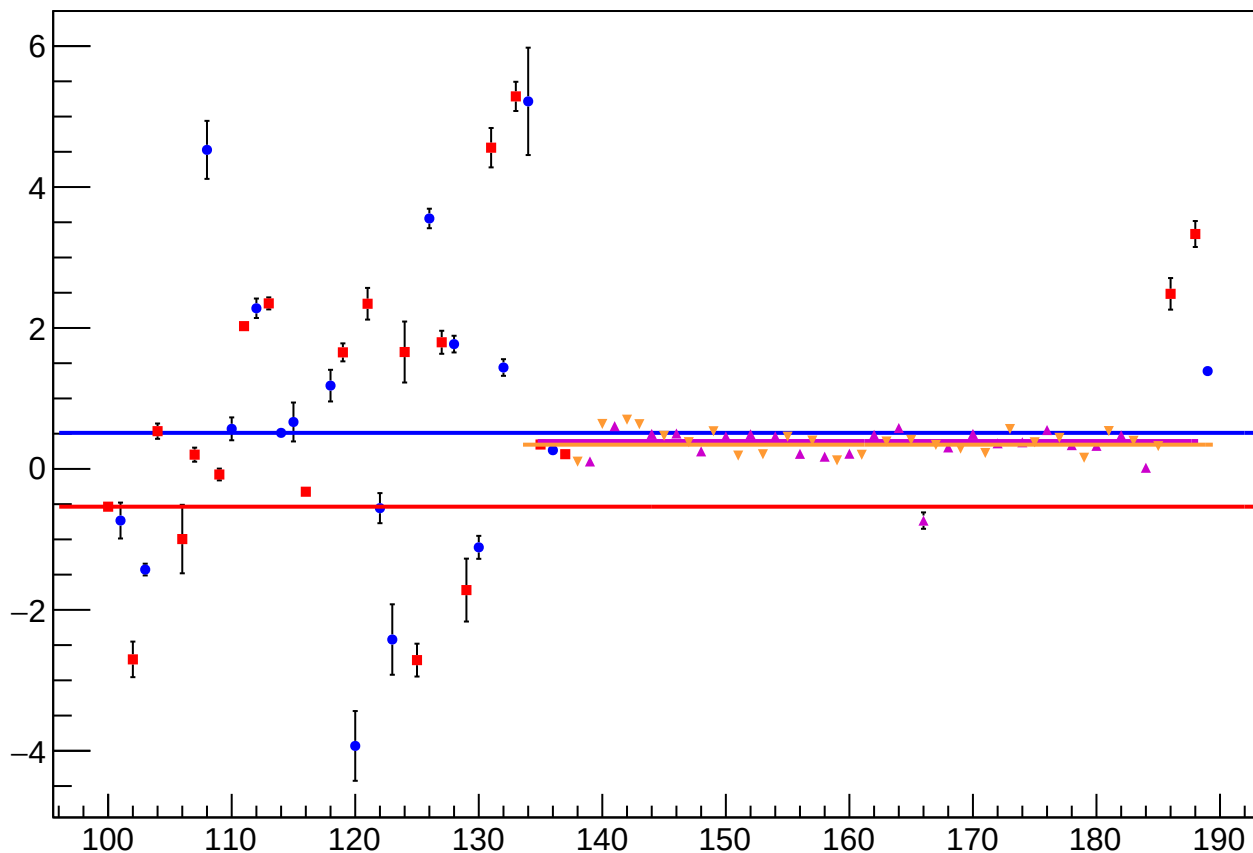
Right: -66.536 ± 0.000 χ^2/NDF : 956924.5/38

In: -90.239 ± 0.066 χ^2/NDF : 87230.5/40

Out: -66.536 ± 0.000 χ^2/NDF : 873696.4/45

All: -66.536 ± 0.000 χ^2/NDF : 1089585.9/86

dit_sam3_11X12X_slope vs Slug, Sign Corrected



Right In: 0.512 $\pm$ 0.000 χ^2 /NDF: 4036.1/17

Left Out: 0.344 $\pm$ 0.002 χ^2 /NDF:10242.3/24

Right Out: -0.536 $\pm$ 0.000 χ^2 /NDF: 33677.4/20

Left In: 0.396 $\pm$ 0.001 χ^2 /NDF:10440.9/22

Left: 0.373 $\pm$ 0.001 χ^2 /NDF: 21234.9/47

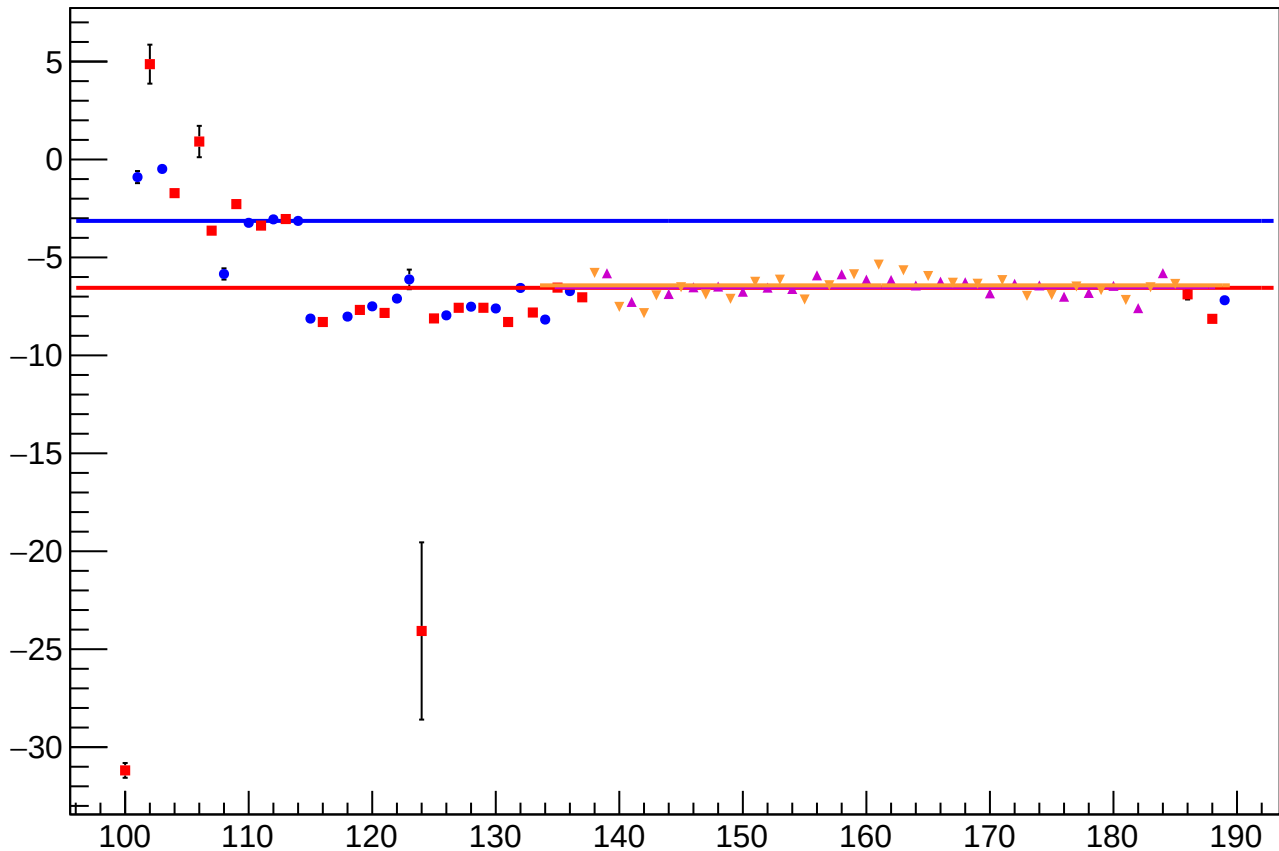
Right: 0.142 $\pm$ 0.000 χ^2 /NDF: 34560328403056077

In: 0.512 $\pm$ 0.000 χ^2 /NDF:20846.2/40

Out: -0.536 $\pm$ 0.000 χ^2 /NDF:329411.1/45

All: 0.142 $\pm$ 0.000 χ^2 /NDF: 34560328403056077

dit_sam3_4aY_slope vs Slug, Sign Corrected



Right In: -3.134+/-0.000 χ^2/NDF : 368934.8/17

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

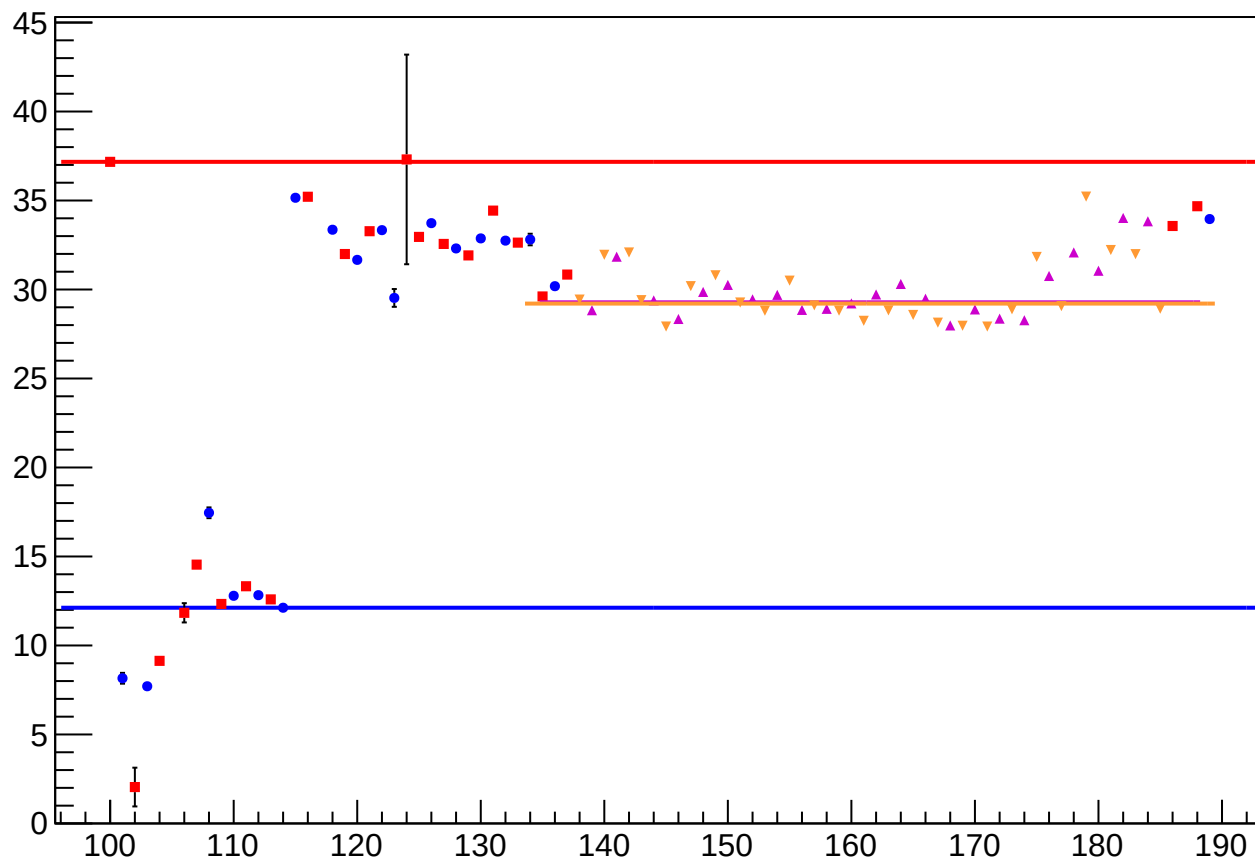
Right: -3.134+/-0.000 χ^2/NDF : 668212.2/38

In: -3.134+/-0.000 χ^2/NDF : 914385.7/40

Out: -6.462+/-0.004 χ^2/NDF : 99759.9/45

All: -3.134+/-0.000 χ^2/NDF : 1681318.5/86

dit_sam3_4eY_slope vs Slug, Sign Corrected



Right In: 12.121+/-0.000 χ^2/NDF : 2006029.1/17

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

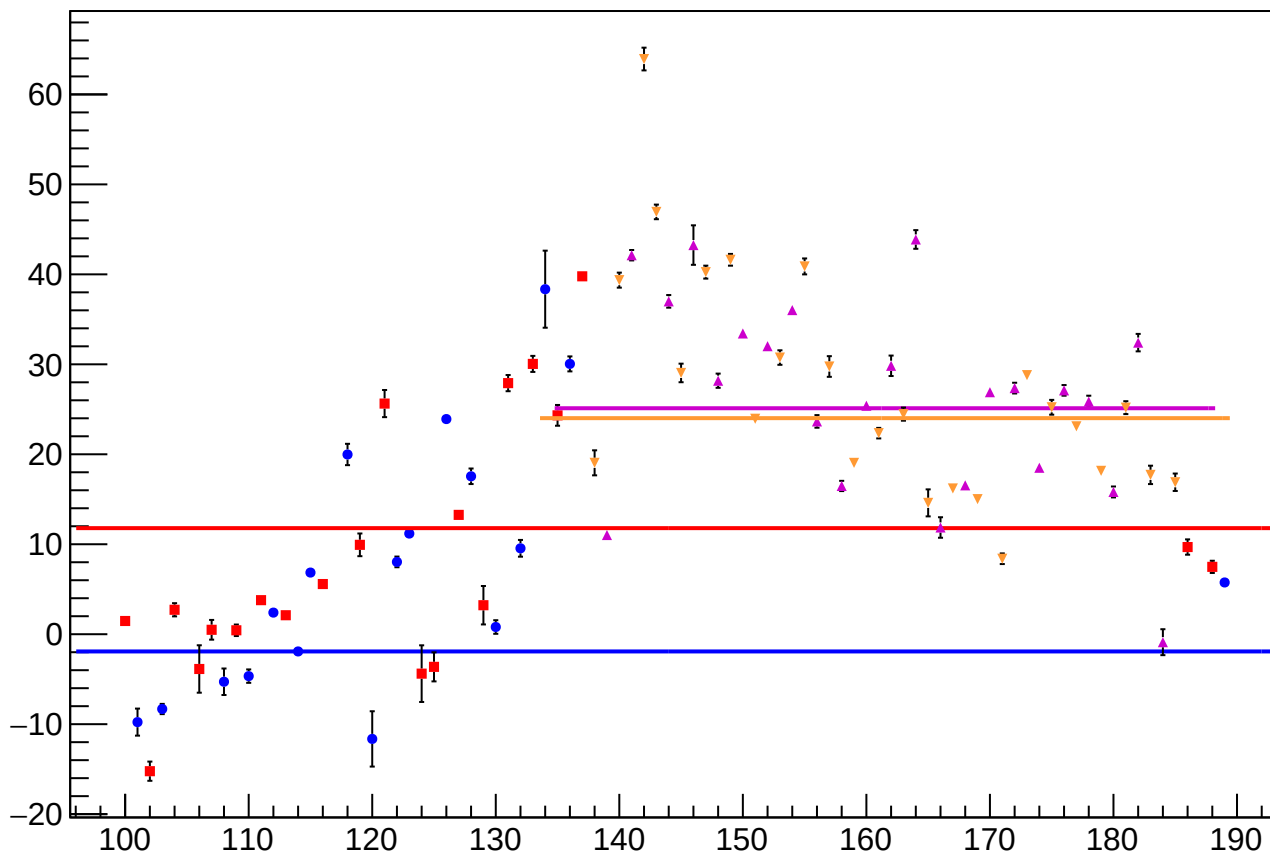
Right: 15.127+/-0.000 χ^2/NDF : 6563554116066231

In: 12.121+/-0.000 χ^2/NDF : 6180876.4/40

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 : 8481.7/17

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

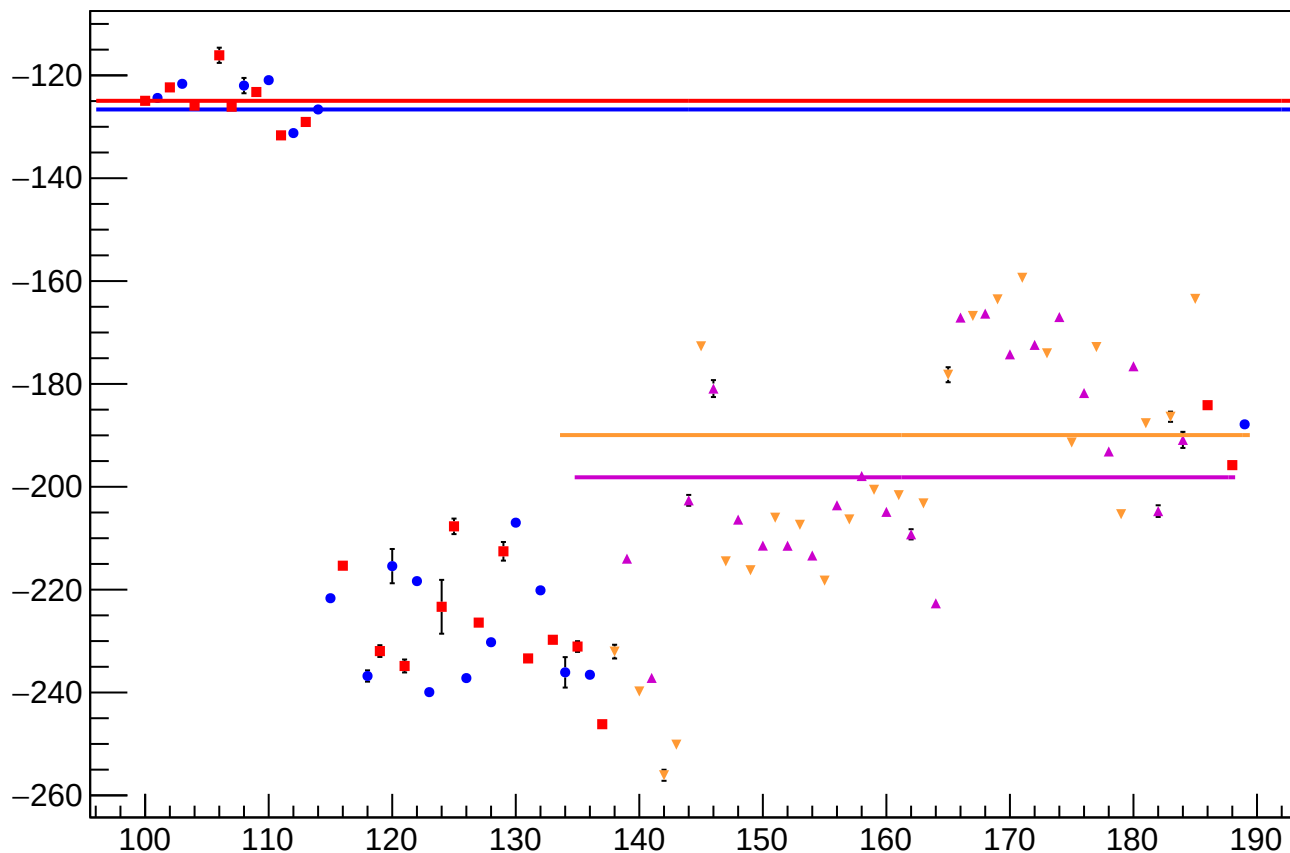
Right: -1.915 ± 0.000 χ^2/NDF : 32055.2/38

In: -1.915 ± 0.000 χ^2/NDF : 71950.0/40

Out: 18.108 ± 0.091 χ^2/NDF : 23175.3/45

All: -1.915 ± 0.000 χ^2/NDF : 143479.9/86

dit_sam4_4eX_slope vs Slug, Sign Corrected



Right In: -126.632 $\pm$ 0.000 χ^2 /NDF: 381273.6/17

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

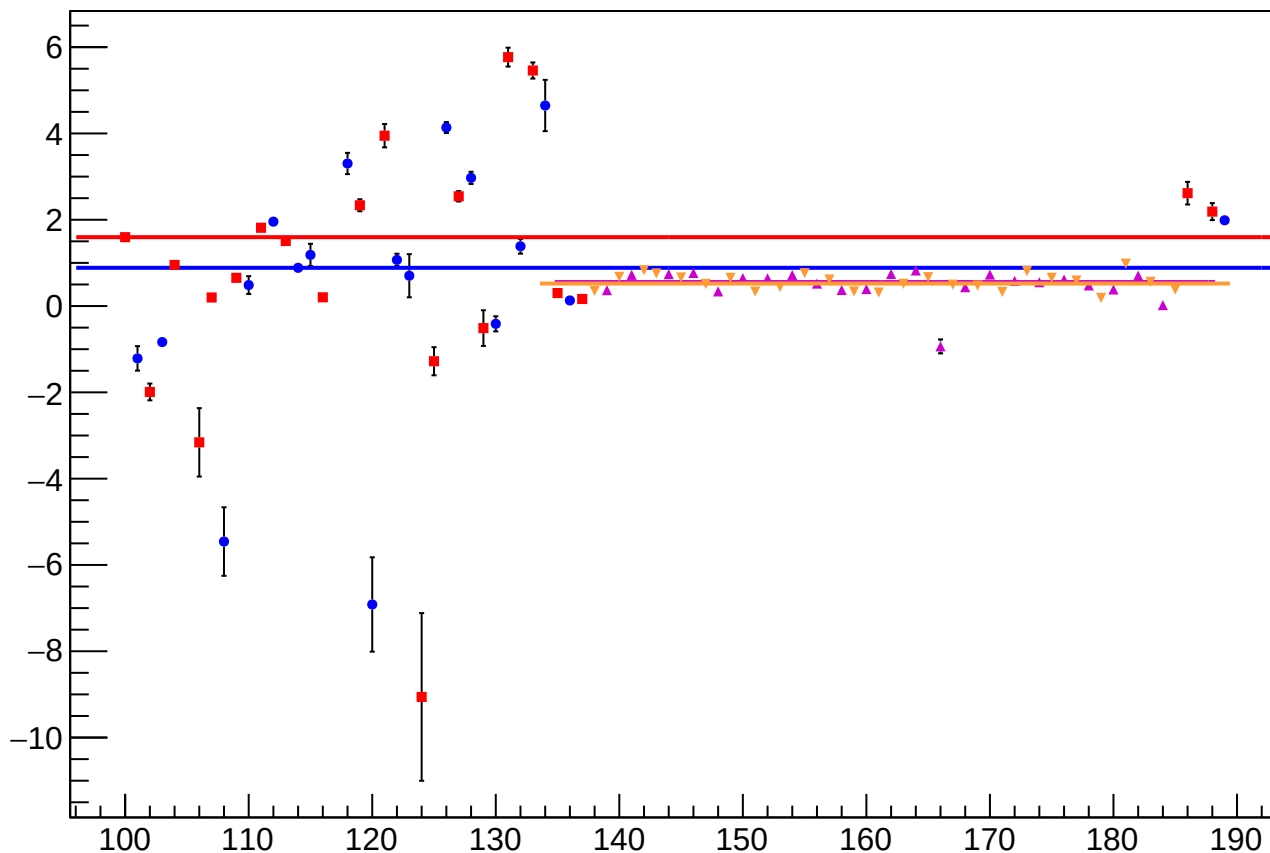
Right: -126.038 $\pm$ 0.000 χ^2 /NDF: 60537895424820

In: -126.632 $\pm$ 0.000 χ^2 /NDF: 950695.2/40

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: 9384.4/17

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

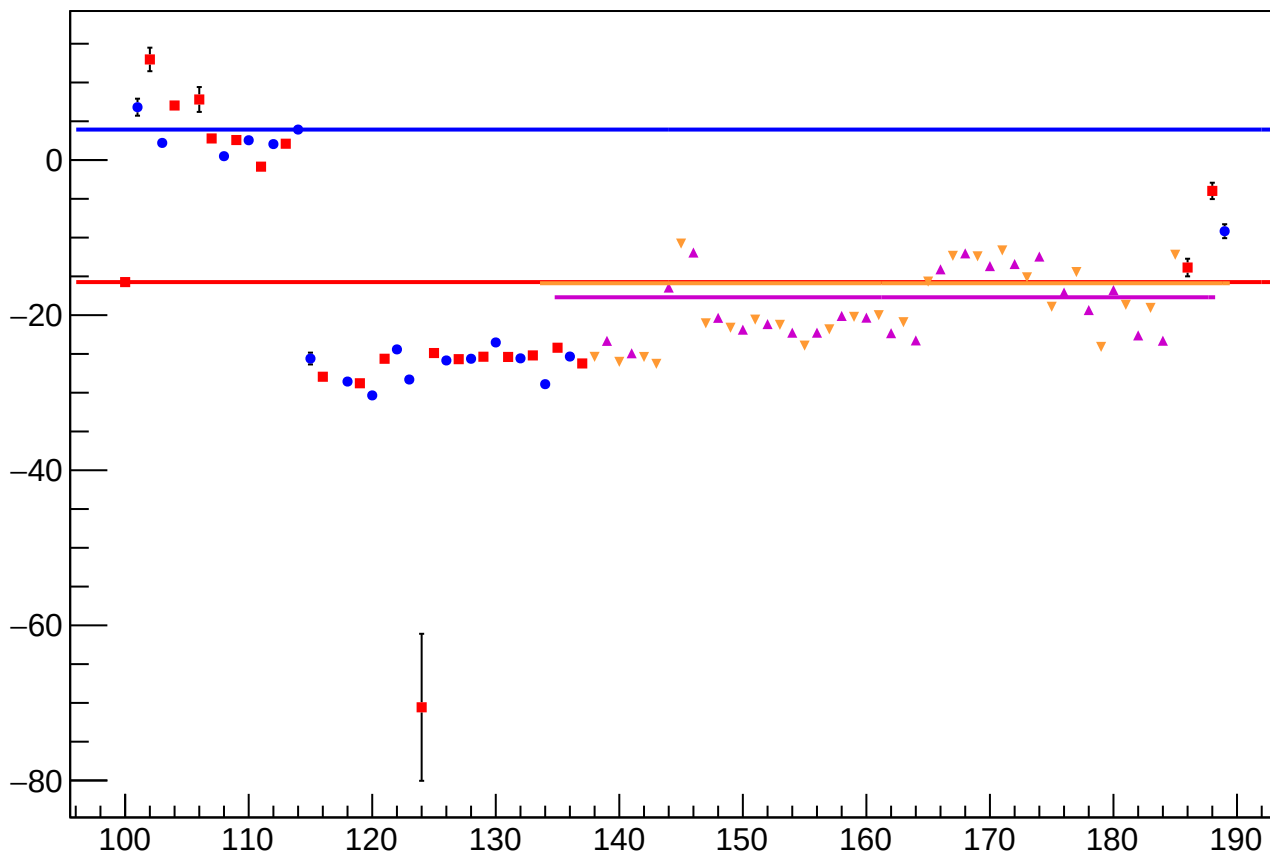
Right: 1.137 $\pm$ 0.000 χ^2 /NDF: 39737604737084083

In: 0.886 $\pm$ 0.000 χ^2 /NDF:44362.8/40

Out: 1.597 $\pm$ 0.000 χ^2 /NDF:294630.8/45

All: 1.137 $\pm$ 0.000 χ^2 /NDF: 39737604737084

dit_sam4_4aY_slope vs Slug, Sign Corrected



Right In: 3.930 $\pm$ 0.000 χ^2 /NDF: 6141046.8/17

Left Out: -15.887 $\pm$ 0.011 χ^2 /NDF:185700.9/24

Right Out: -15.737 $\pm$ 0.000 χ^2 /NDF: 268078.2/20

Left In: -17.695 $\pm$ 0.012 χ^2 /NDF:121415.4/22

Left: -16.737 $\pm$ 0.008 χ^2 /NDF: 319756.8/47

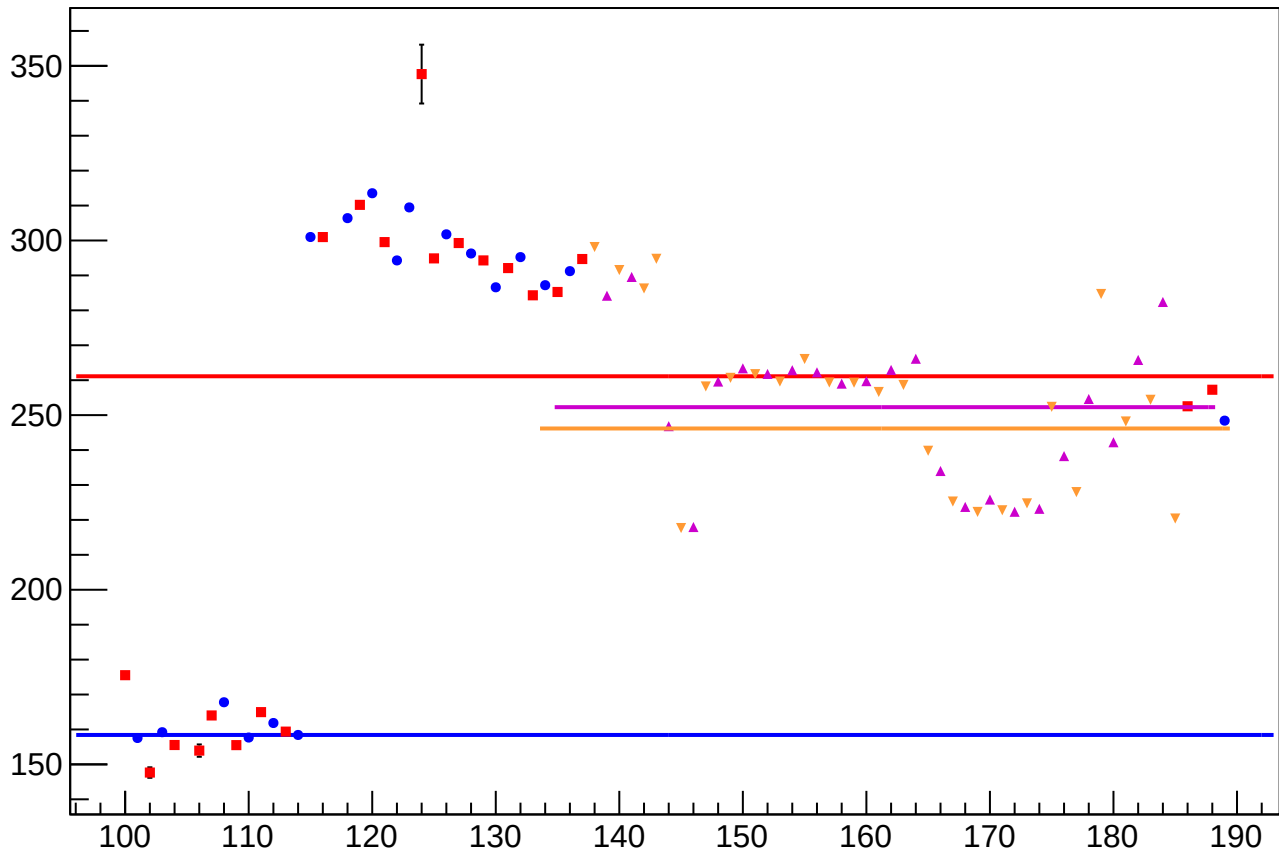
Right: 3.282 $\pm$ 0.000 χ^2 /NDF: 71120480173548026

In: 3.930 $\pm$ 0.000 χ^2 /NDF:9676954.9/40

Out: -15.737 $\pm$ 0.000 χ^2 /NDF:453965.2/45

All: 3.282 $\pm$ 0.000 χ^2 /NDF: 71120480173548

dit_sam4_4eY_slope vs Slug, Sign Corrected



Right In: 158.426 $\pm$ 0.000 χ^2 /NDF: 3535190.9/17

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

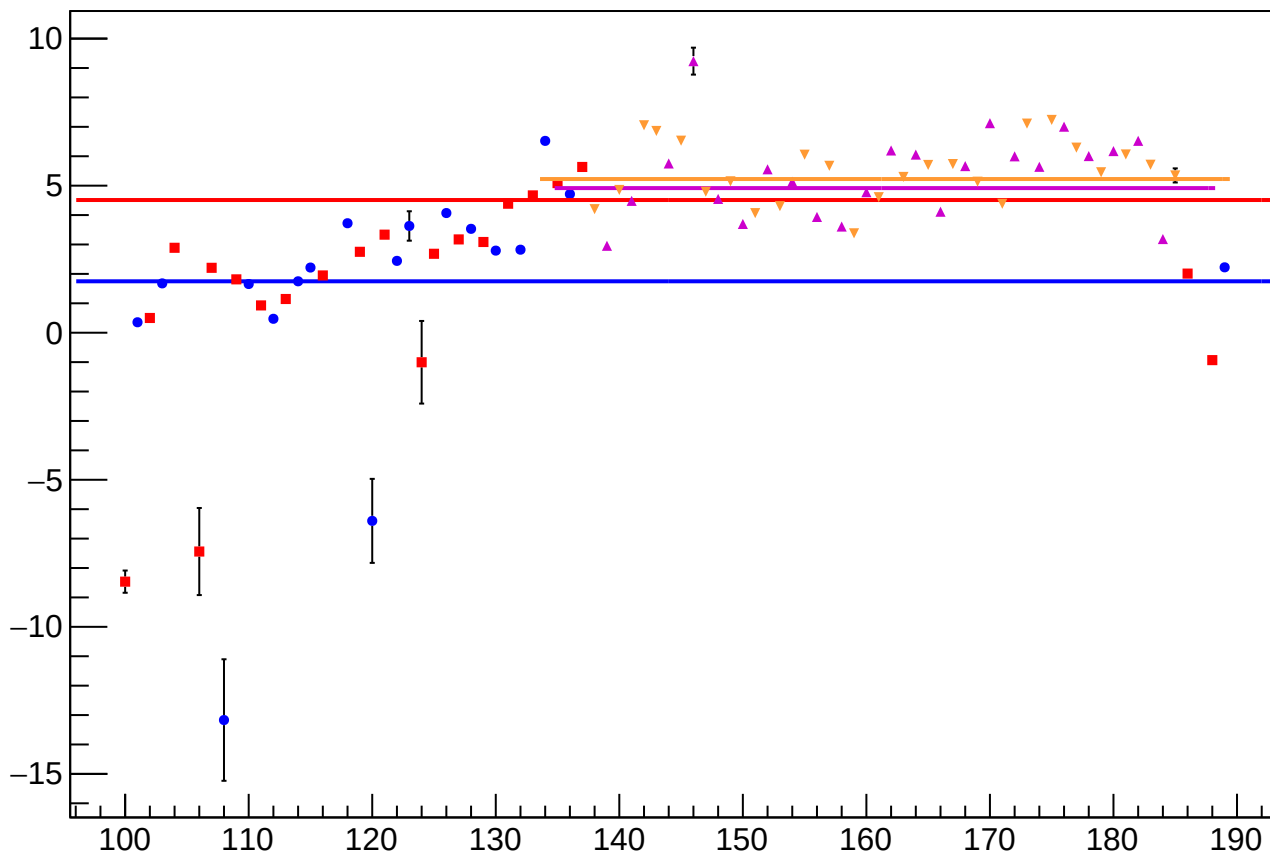
Right: 158.426 $\pm$ 0.000 χ^2 /NDF: 7721568.4/38

In: 158.426 $\pm$ 0.000 χ^2 /NDF: 14782444.8/40

Out: 248.999 $\pm$ 0.025 χ^2 /NDF: 1835572.4/45

All: 158.426 $\pm$ 0.000 χ^2 /NDF: 29437237.3/86

dit_sam5_4aX_slope vs Slug, Sign Corrected



Right In: 1.748 $\pm$ 0.000 χ^2 /NDF: 13553.4/17

Left Out: 5.225 $\pm$ 0.014 χ^2 /NDF:4400.6/24

Right Out: 4.512 $\pm$ 0.006 χ^2 /NDF: 86706.1/20

Left In: 4.917 $\pm$ 0.013 χ^2 /NDF:10749.9/22

Left: 5.060 $\pm$ 0.009 χ^2 /NDF: 15422.0/47

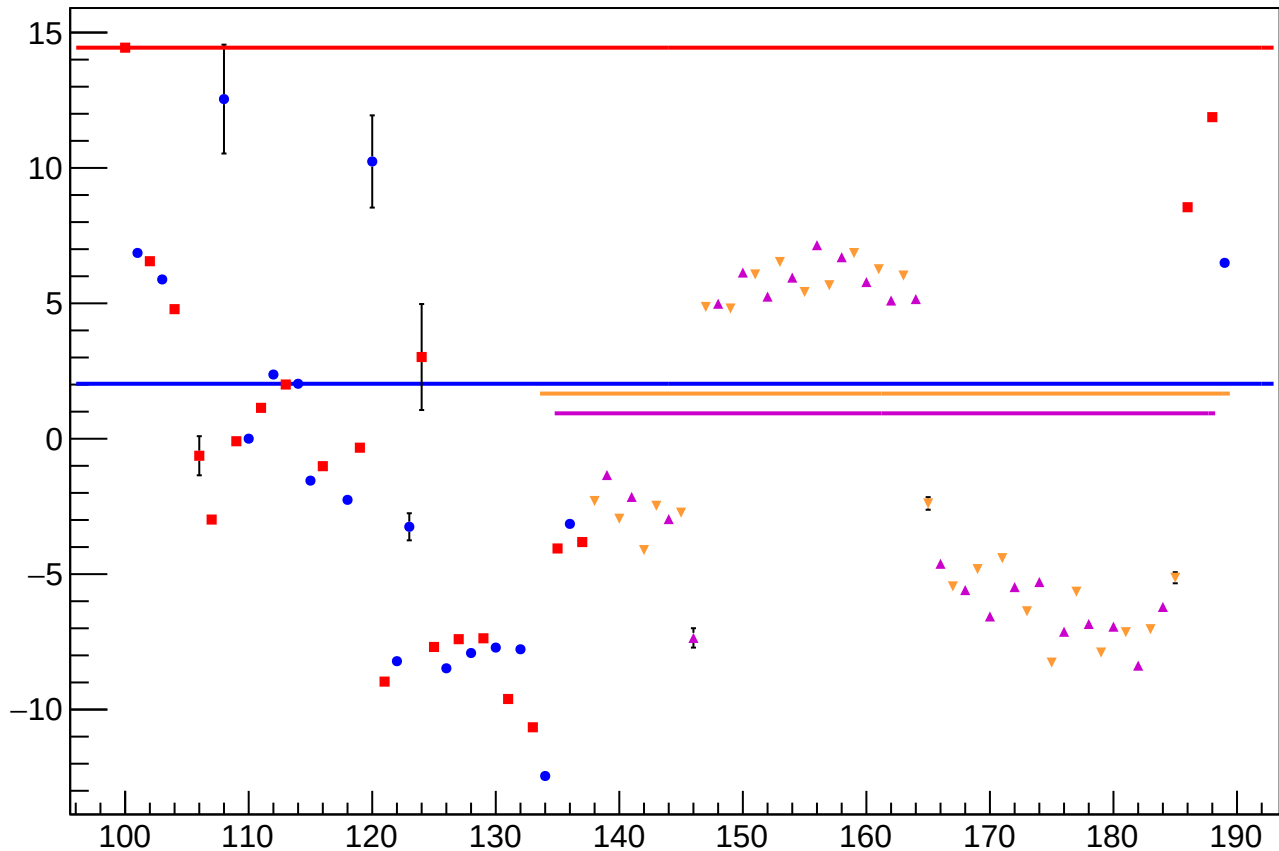
Right: 1.748 $\pm$ 0.000 χ^2 /NDF: 294969.2/38

In: 1.748 $\pm$ 0.000 χ^2 /NDF:86092.9/40

Out: 4.635 $\pm$ 0.006 χ^2 /NDF:93353.2/45

All: 1.748 $\pm$ 0.000 χ^2 /NDF: 436411.9/86

dit_sam5_4eX_slope vs Slug, Sign Corrected



Right In: 2.030 $\pm$ 0.000 χ^2 /NDF: 204098.4/17

Left Out: 1.668 $\pm$ 0.011 χ^2 /NDF:218728.7/24

Right Out: 14.441 $\pm$ 0.000 χ^2 /NDF: 5855781.8/20

Left In: 0.938 $\pm$ 0.011 χ^2 /NDF:253480.7/22

Left: 1.292 $\pm$ 0.008 χ^2 /NDF: 474298.1/47

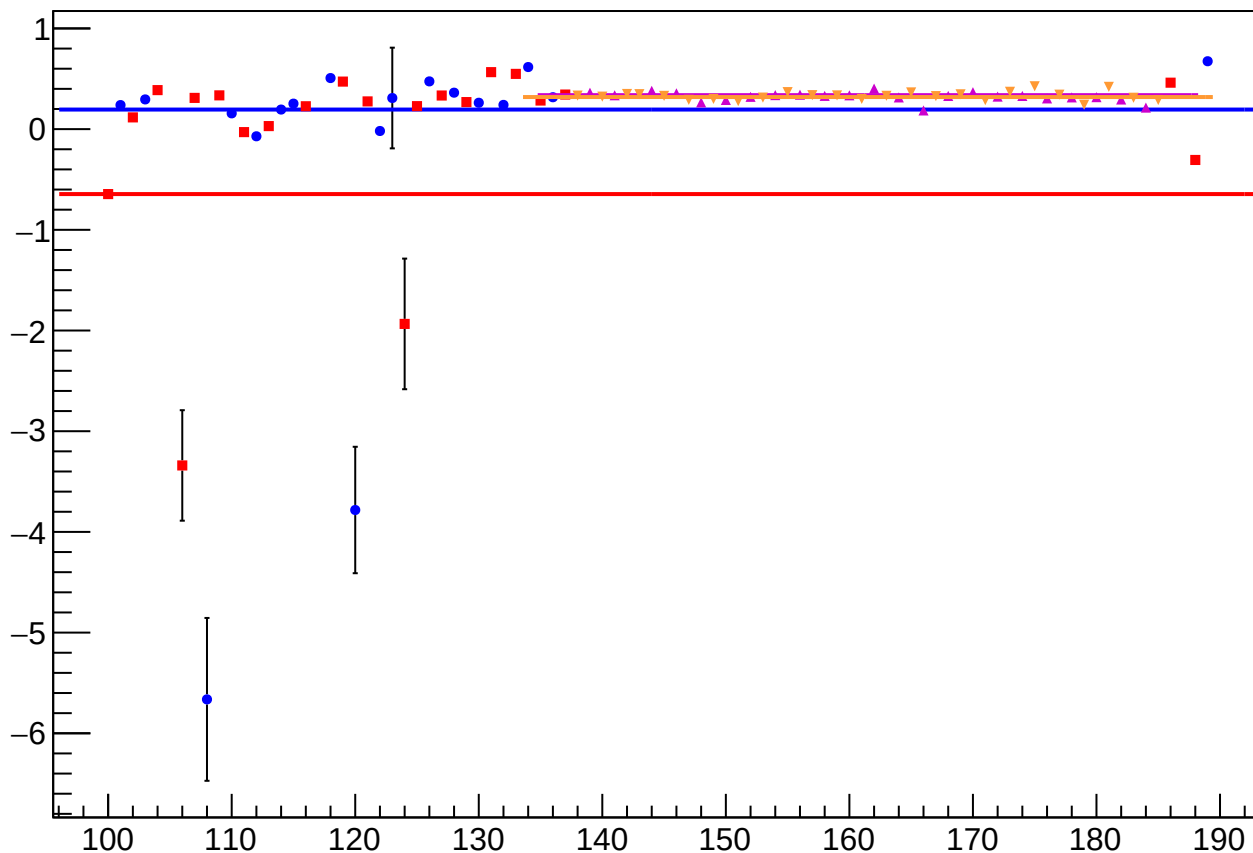
Right: 2.439 $\pm$ 0.000 χ^2 /NDF: 70811145349033114

In: 2.030 $\pm$ 0.000 χ^2 /NDF:467231.0/40

Out: 14.441 $\pm$ 0.000 χ^2 /NDF:7317929.5/45

All: 2.439 $\pm$ 0.000 χ^2 /NDF: 70811145349033114

dit_sam5_11X12X_slope vs Slug, Sign Corrected



Right In: 0.194 $\pm$ 0.000 χ^2 /NDF: 10148.5/17

Left Out: 0.319 $\pm$ 0.001 χ^2 /NDF:3548.1/24

Right Out: -0.645 $\pm$ 0.000 χ^2 /NDF: 195334.4/20

Left In: 0.337 $\pm$ 0.001 χ^2 /NDF:4013.5/22

Left: 0.327 $\pm$ 0.000 χ^2 /NDF: 8203.5/47

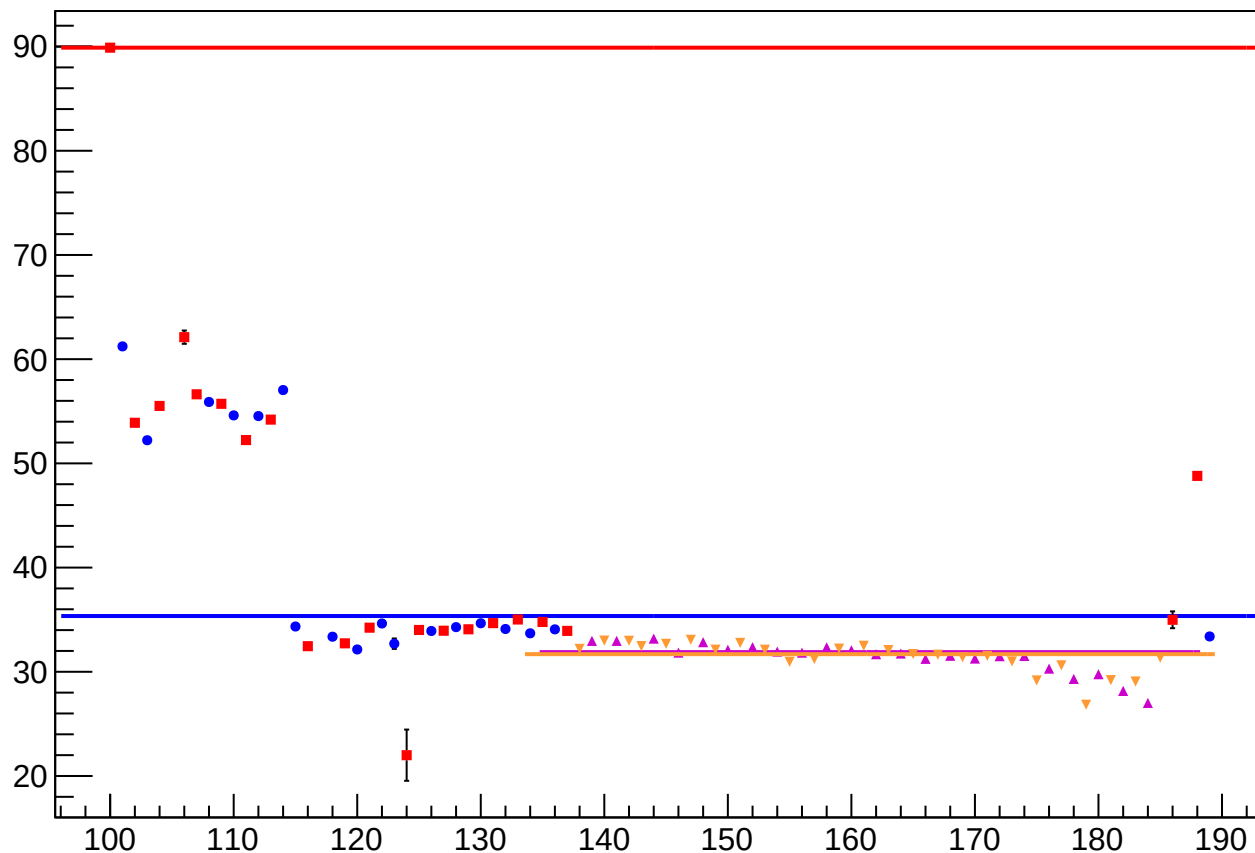
Right: 0.167 $\pm$ 0.000 χ^2 /NDF: 33165765284559017

In: 0.194 $\pm$ 0.000 χ^2 /NDF:84050.7/40

Out: -0.645 $\pm$ 0.000 χ^2 /NDF:3866583.9/45

All: 0.167 $\pm$ 0.000 χ^2 /NDF: 33165765284559017

dit_sam5_4aY_slope vs Slug, Sign Corrected



Right In: 35.351+/-0.011 χ^2/NDF : 204644.9/17

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 χ^2/NDF : 102978.7/47

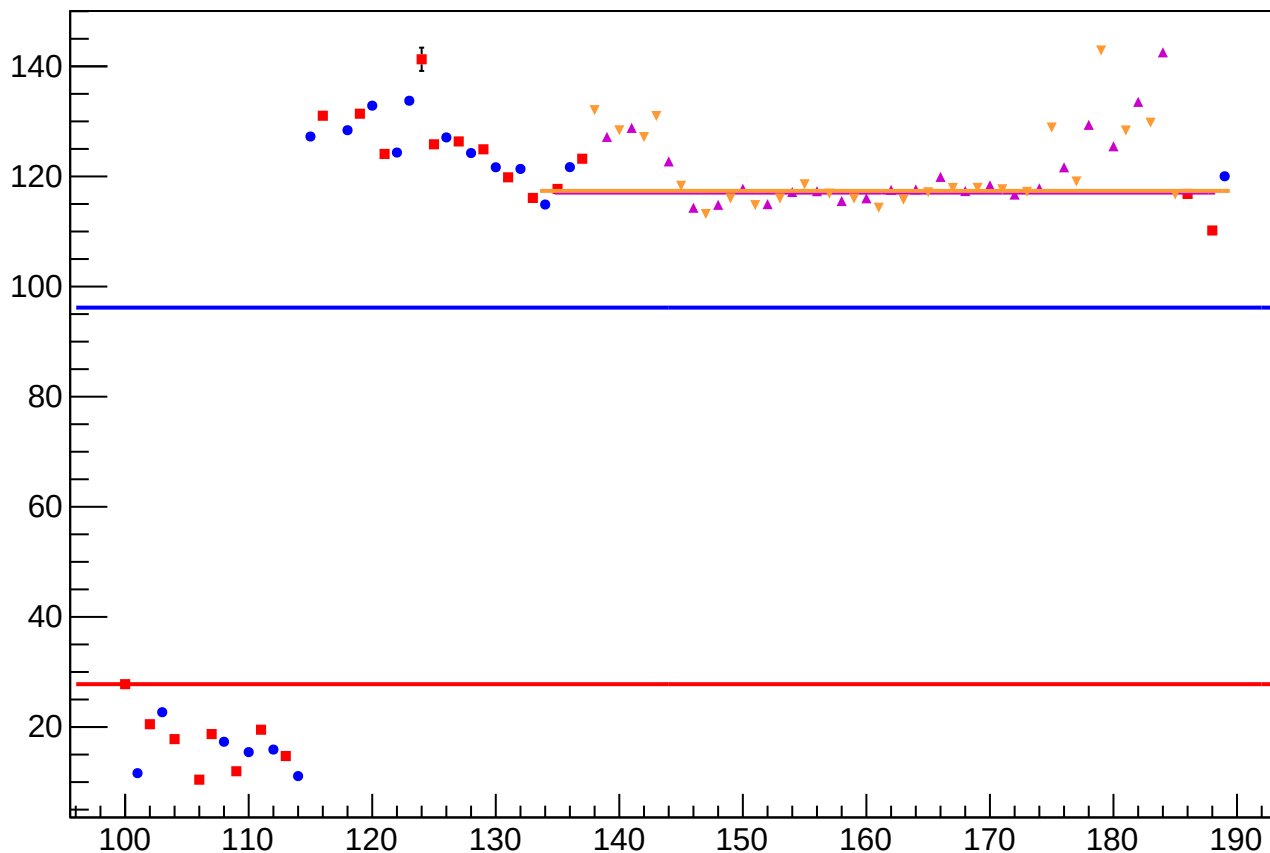
Right: 89.893+/-0.000 χ^2/NDF : 93296729.4/38

In: 32.224+/-0.003 χ^2/NDF : 326654.7/40

Out: 89.893+/-0.000 χ^2/NDF : 426710542.8/45

All: 89.893+/-0.000 χ^2/NDF : 707378733.0/86

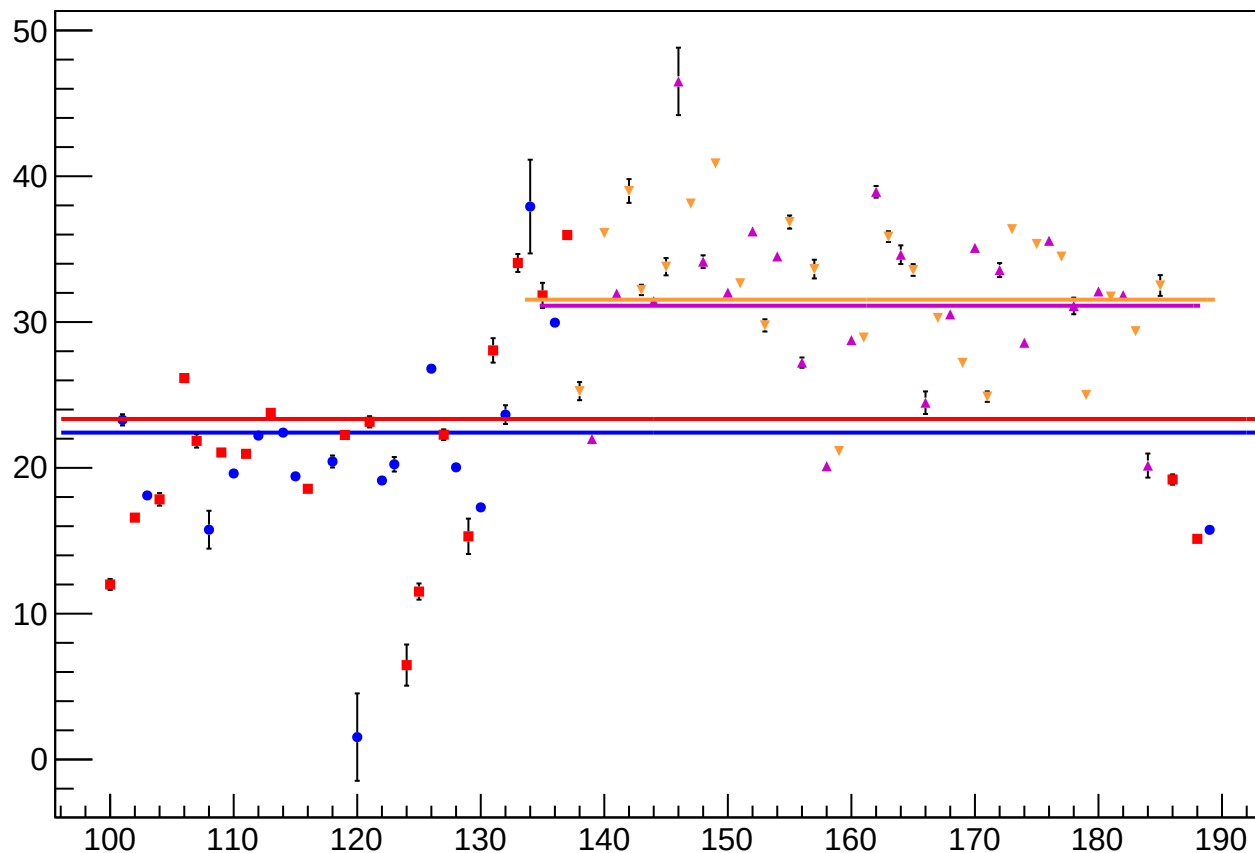
dit_sam5_4eY_slope vs Slug, Sign Corrected



Right In: 96.178 $\pm$ 0.026 χ^2 /NDF: 3081851.1/17
 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: 18271821.6/38
 In: 114.869 $\pm$ 0.008 χ^2 /NDF: 3743377.8/40
 Out: 27.785 $\pm$ 0.000 χ^2 /NDF: 135814163.6/45
 All: 27.785 $\pm$ 0.000 χ^2 /NDF: 249945372.5/86

dit_sam6_4aX_slope vs Slug, Sign Corrected



Right In: 22.418+/-0.000 χ^2/NDF : 4823.6/17

Left Out: 31.536+/-0.061 χ^2/NDF : 6088.7/24

Right Out: 23.353+/-0.055 χ^2/NDF : 17016.5/20

Left In: 31.120+/-0.058 χ^2/NDF : 6111.4/22

Left: 31.315+/-0.042 χ^2/NDF : 12224.7/47

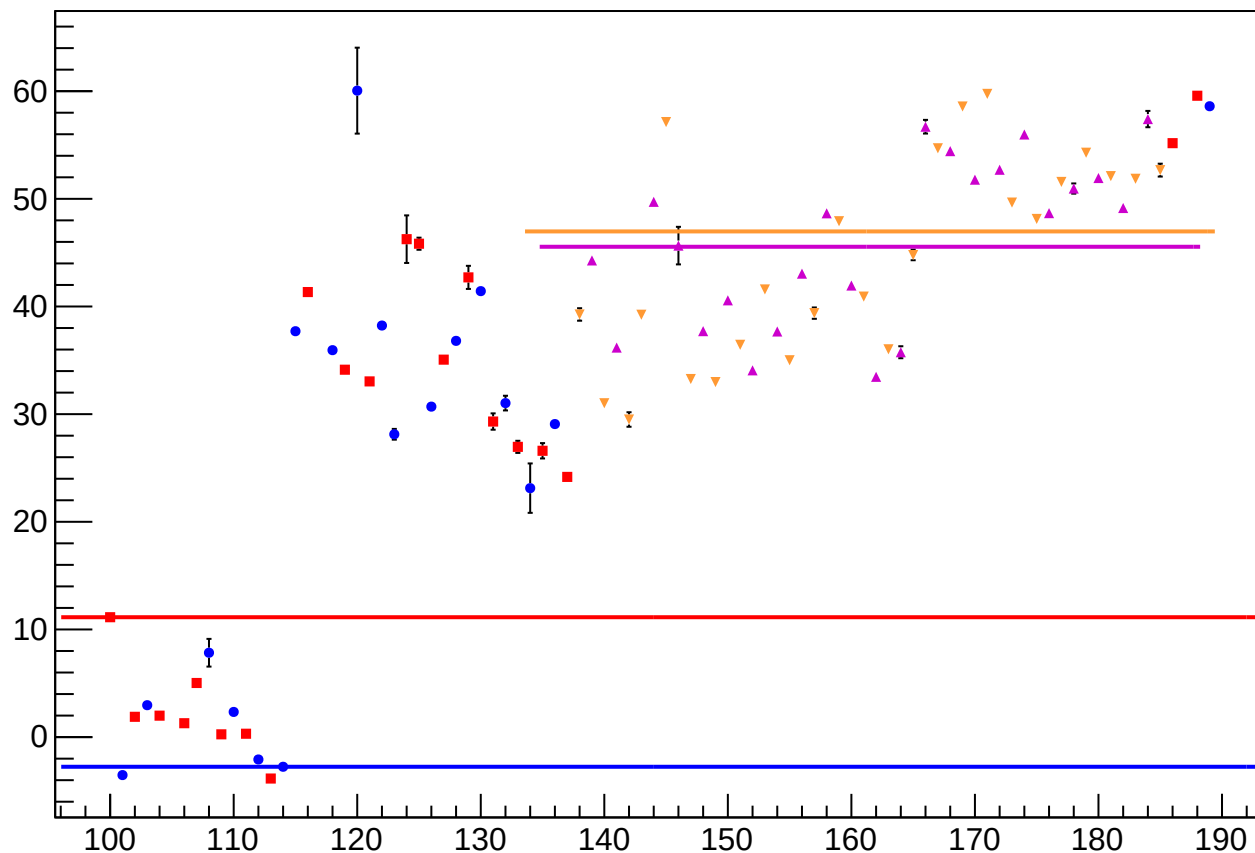
Right: 22.418+/-0.000 χ^2/NDF : 22126.7/38

In: 22.418+/-0.000 χ^2/NDF : 33806.4/40

Out: 27.024+/-0.041 χ^2/NDF : 32949.8/45

All: 22.418+/-0.000 χ^2/NDF : 79364.2/86

dit_sam6_4eX_slope vs Slug, Sign Corrected



Right In: -2.754 ± 0.000 $\chi^2/\text{NDF}: 211999.9/17$

Left Out: 46.973 ± 0.051 $\chi^2/\text{NDF}: 27004.5/24$

Right Out: 11.137 ± 0.000 $\chi^2/\text{NDF}: 2699412.7/20$

Left In: 45.548 ± 0.049 $\chi^2/\text{NDF}: 19148.5/22$

Left: 46.239 ± 0.035 $\chi^2/\text{NDF}: 46558.1/47$

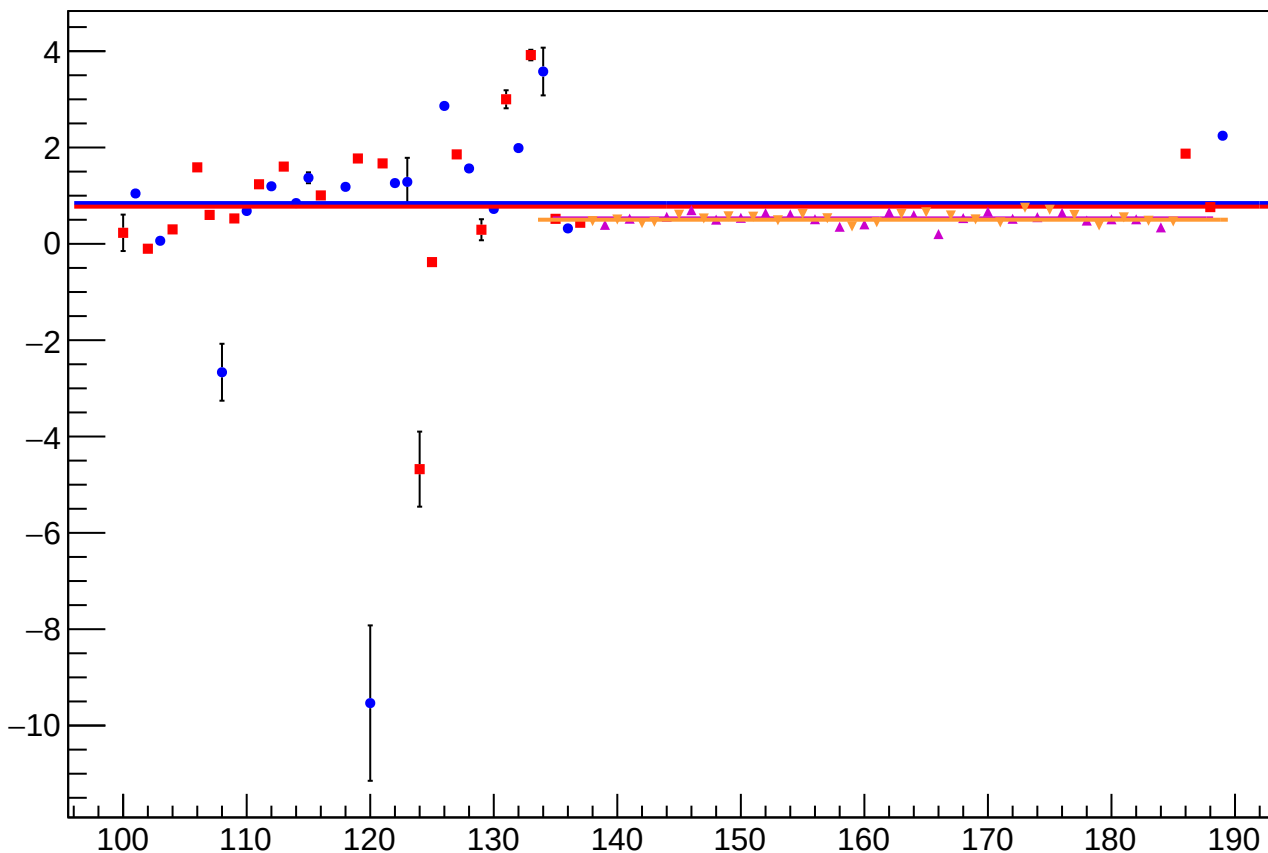
Right: -2.637 ± 0.000 $\chi^2/\text{NDF}: 9095226728437180$

In: -2.754 ± 0.000 $\chi^2/\text{NDF}: 1191515.4/40$

Out: 11.137 ± 0.000 $\chi^2/\text{NDF}: 3223118.5/45$

All: -2.637 ± 0.000 $\chi^2/\text{NDF}: 9095226728437$

dit_sam6_11X12X_slope vs Slug, Sign Corrected



Right In: 0.846 $\pm$ 0.000 χ^2 /NDF: 16631.5/17

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

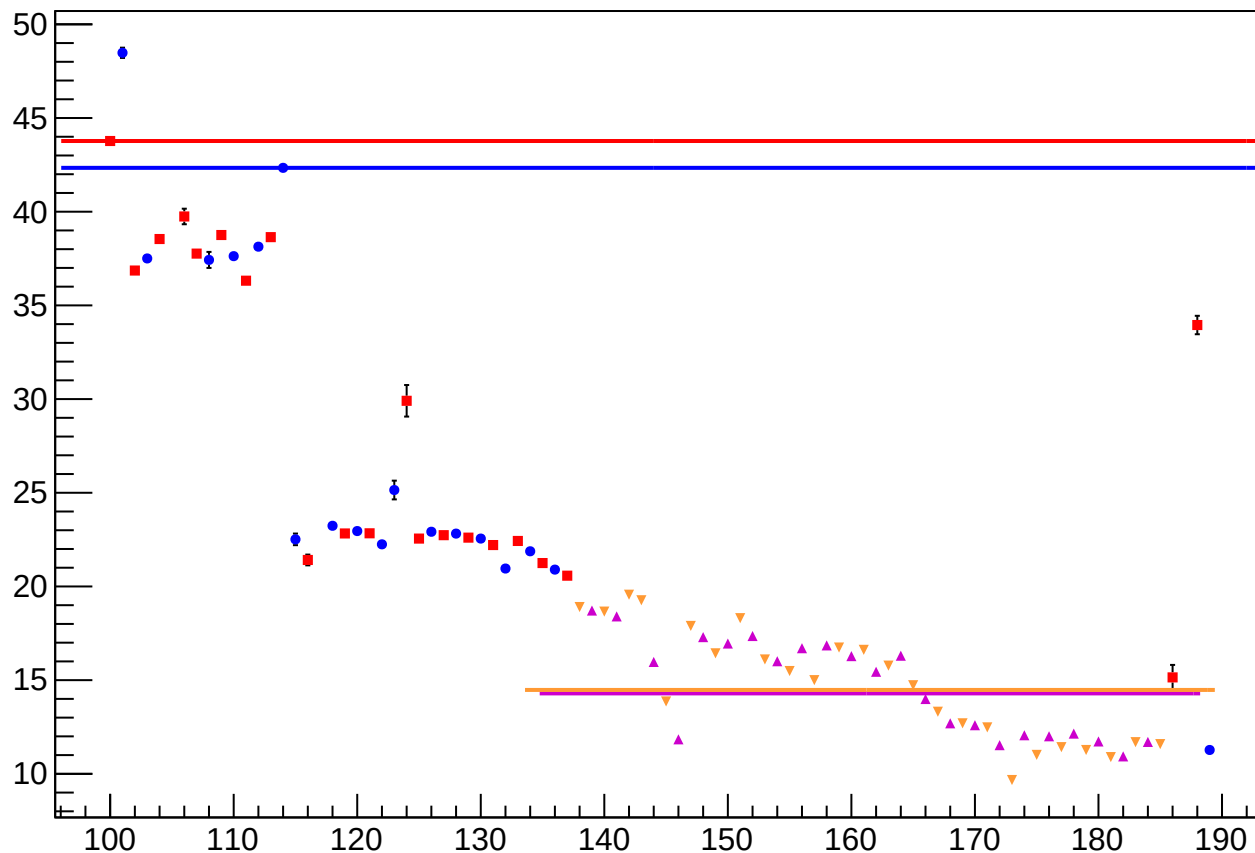
Right: 0.846 $\pm$ 0.000 χ^2 /NDF: 21104.6/38

In: 0.846 $\pm$ 0.000 χ^2 /NDF:185331.4/40

Out: 0.506 $\pm$ 0.001 χ^2 /NDF:20983.7/45

All: 0.846 $\pm$ 0.000 χ^2 /NDF: 340851.3/86

dit_sam6_4aY_slope vs Slug, Sign Corrected



Right In: 42.341+/-0.000 χ^2/NDF : 4098407.4/17

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

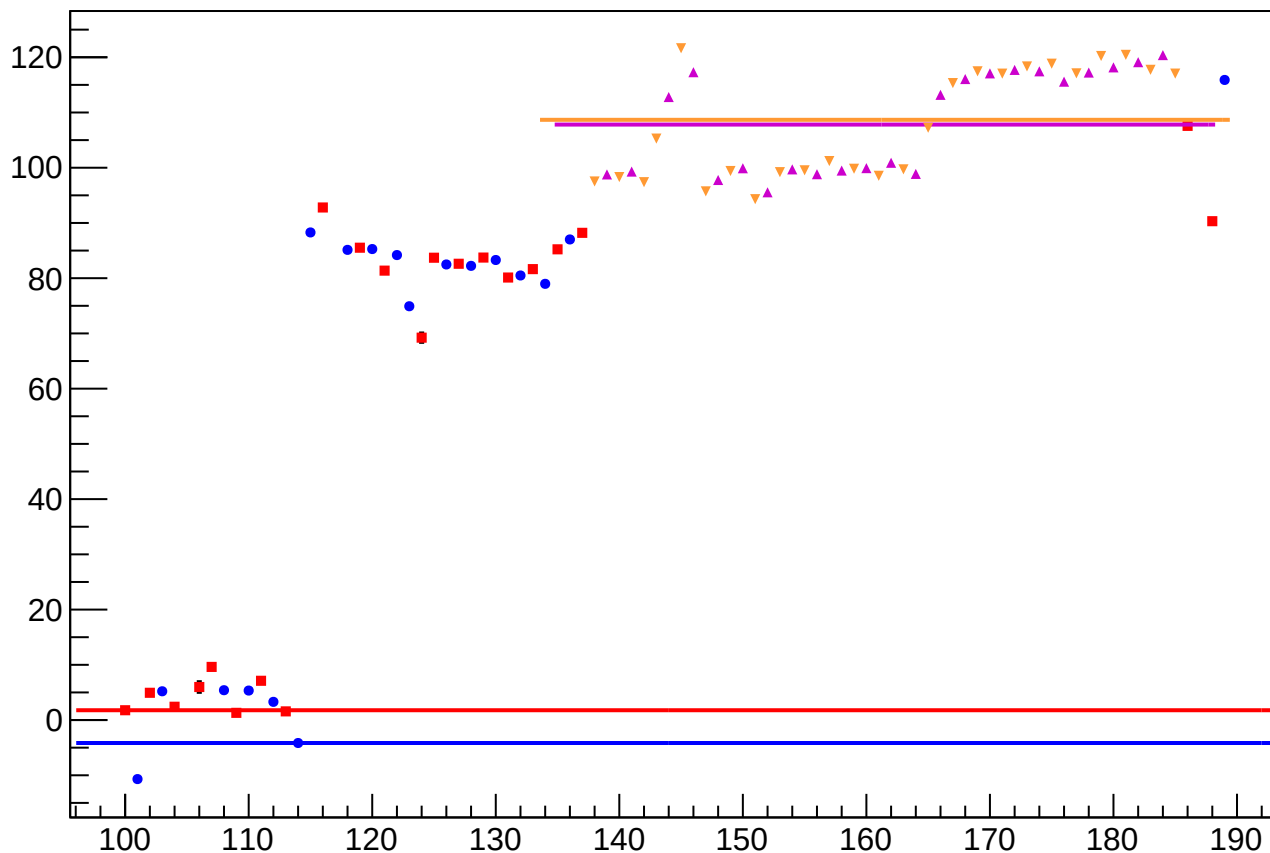
Right: 42.846+/-0.000 χ^2/NDF : 1577360390255068

In: 42.341+/-0.000 χ^2/NDF : 31165081.1/40

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 : 8506962.4/17

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

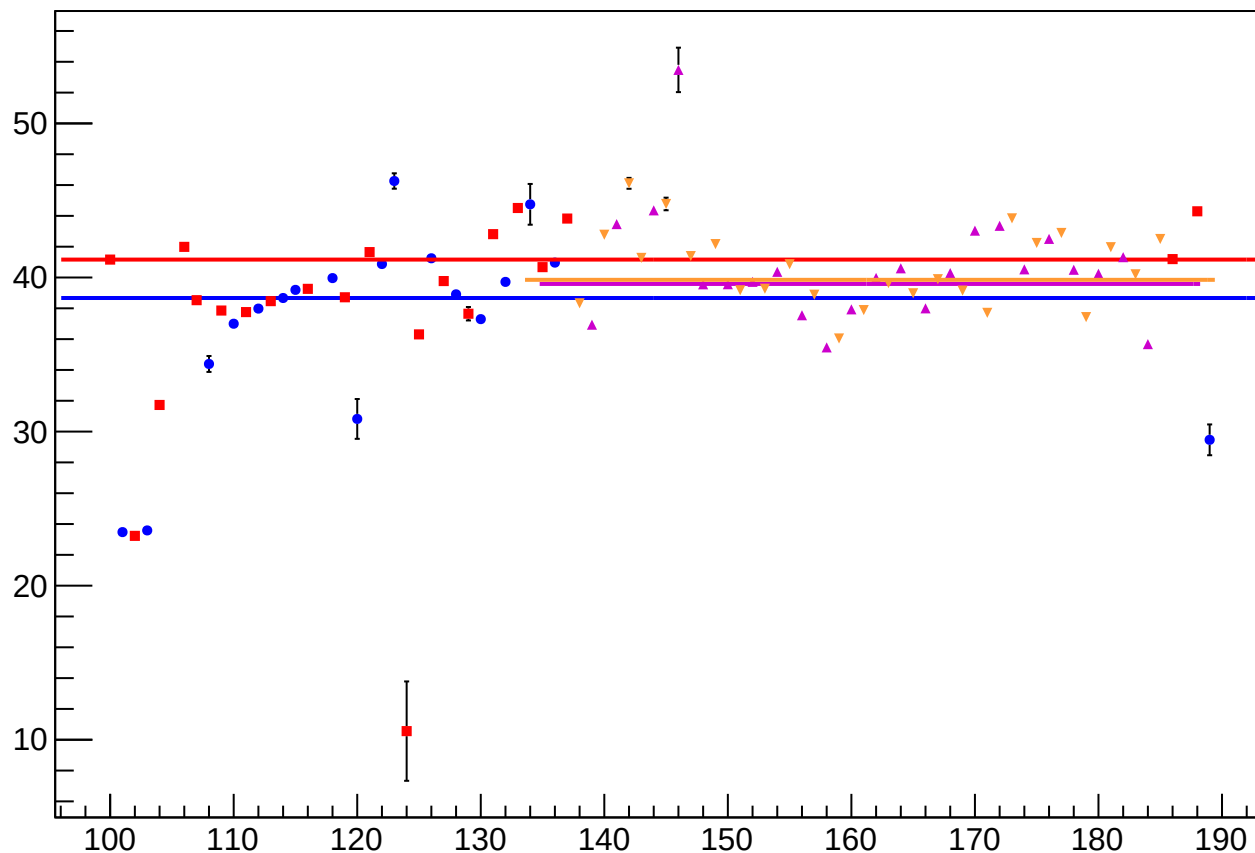
Right: 1.167+/-0.000 χ^2/NDF : 44022261179950686

In: -4.155+/-0.000 χ^2/NDF :145216520.7/40

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: 60068.8/17

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

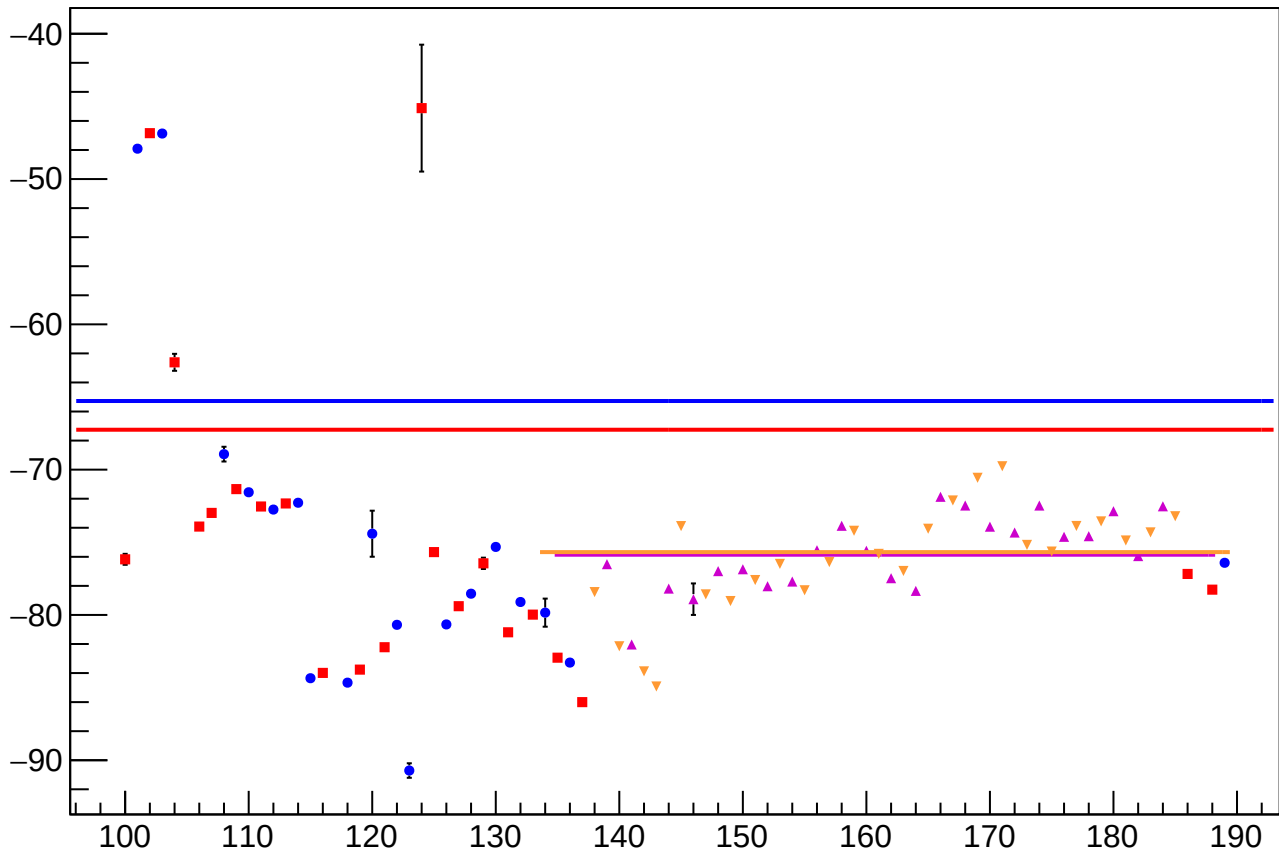
Right: 39.550 $\pm$ 0.000 χ^2 /NDF: 4780640080062069

In: 38.669 $\pm$ 0.000 χ^2 /NDF: 70781.9/40

Out: 41.163 $\pm$ 0.000 χ^2 /NDF: 48053.1/45

All: 39.550 $\pm$ 0.000 χ^2 /NDF: 4780640080062

dit_sam7_4eX_slope vs Slug, Sign Corrected



Right In: -65.276 ± 0.019 $\chi^2/\text{NDF}: 786885.0/17$

Left Out: -75.675 ± 0.022 $\chi^2/\text{NDF}: 22415.8/24$

Right Out: -67.253 ± 0.015 $\chi^2/\text{NDF}: 829227.3/20$

Left In: -75.855 ± 0.019 $\chi^2/\text{NDF}: 12226.9/22$

Left: -75.777 ± 0.014 $\chi^2/\text{NDF}: 34681.2/47$

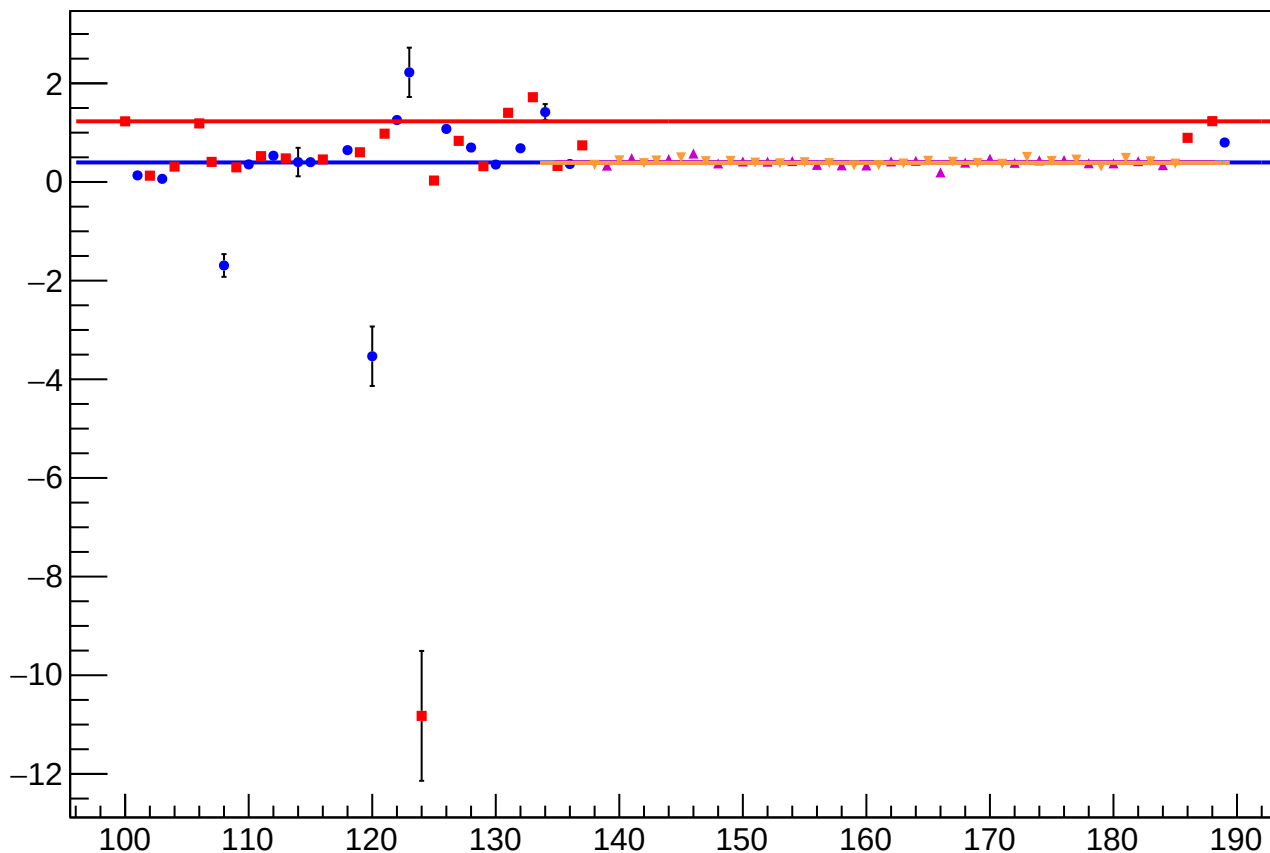
Right: -66.444 ± 0.012 $\chi^2/\text{NDF}: 1622807.9/38$

In: -70.405 ± 0.013 $\chi^2/\text{NDF}: 956508.1/40$

Out: -70.071 ± 0.013 $\chi^2/\text{NDF}: 950970.6/45$

All: -70.229 ± 0.009 $\chi^2/\text{NDF}: 1907810.6/86$

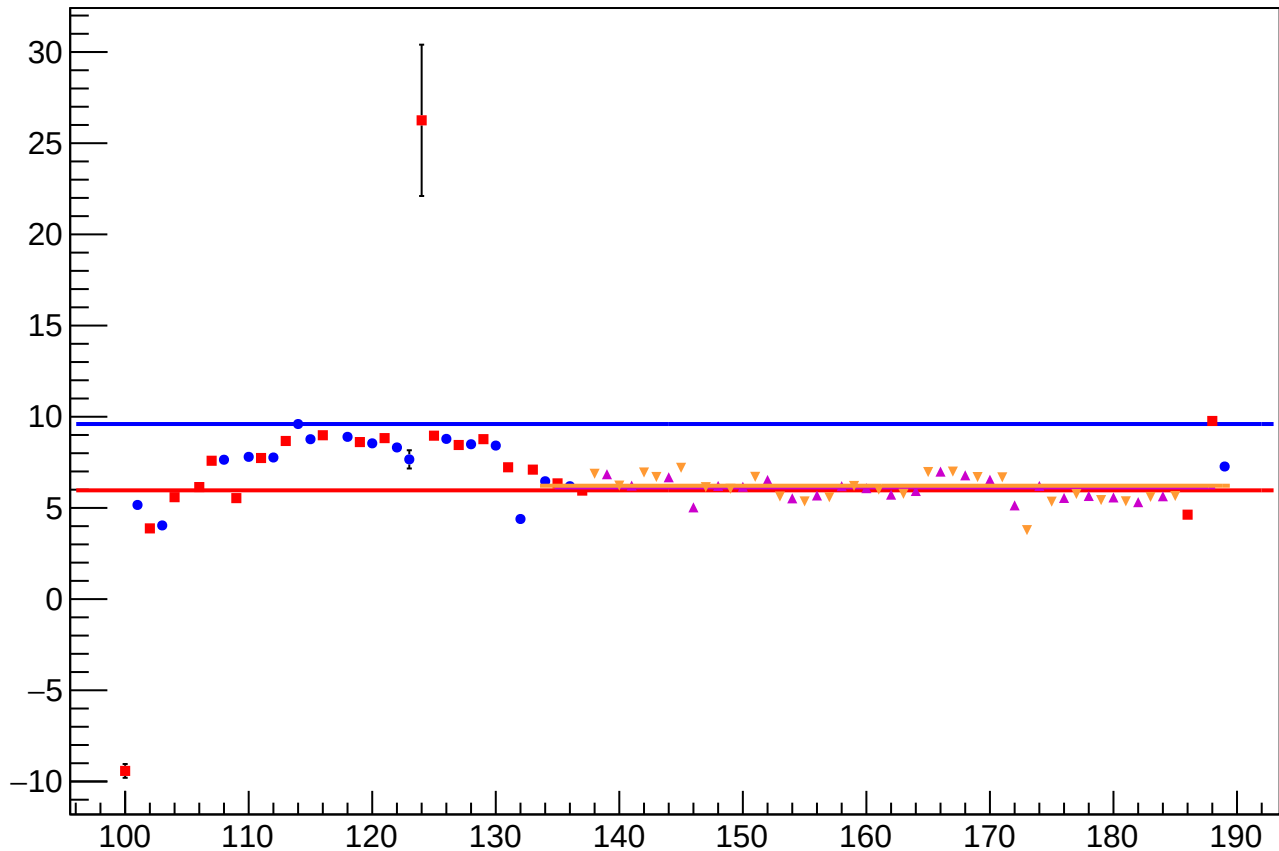
dit_sam7_11X12X_slope vs Slug, Sign Corrected



Right In: 0.396 ± 0.002 $\chi^2/\text{NDF}: 8890.4/17$
 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 $\chi^2/\text{NDF}: 231695.6/38$
 In: 0.399 ± 0.000 $\chi^2/\text{NDF}: 17875.9/40$
 Out: 1.230 ± 0.000 $\chi^2/\text{NDF}: 3368091.3/45$
 All: 1.230 ± 0.000 $\chi^2/\text{NDF}: 6879397.3/86$

dit_sam7_4aY_slope vs Slug, Sign Corrected



Right In: 9.601 $\pm$ 0.000 χ^2 /NDF: 378857.8/17

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

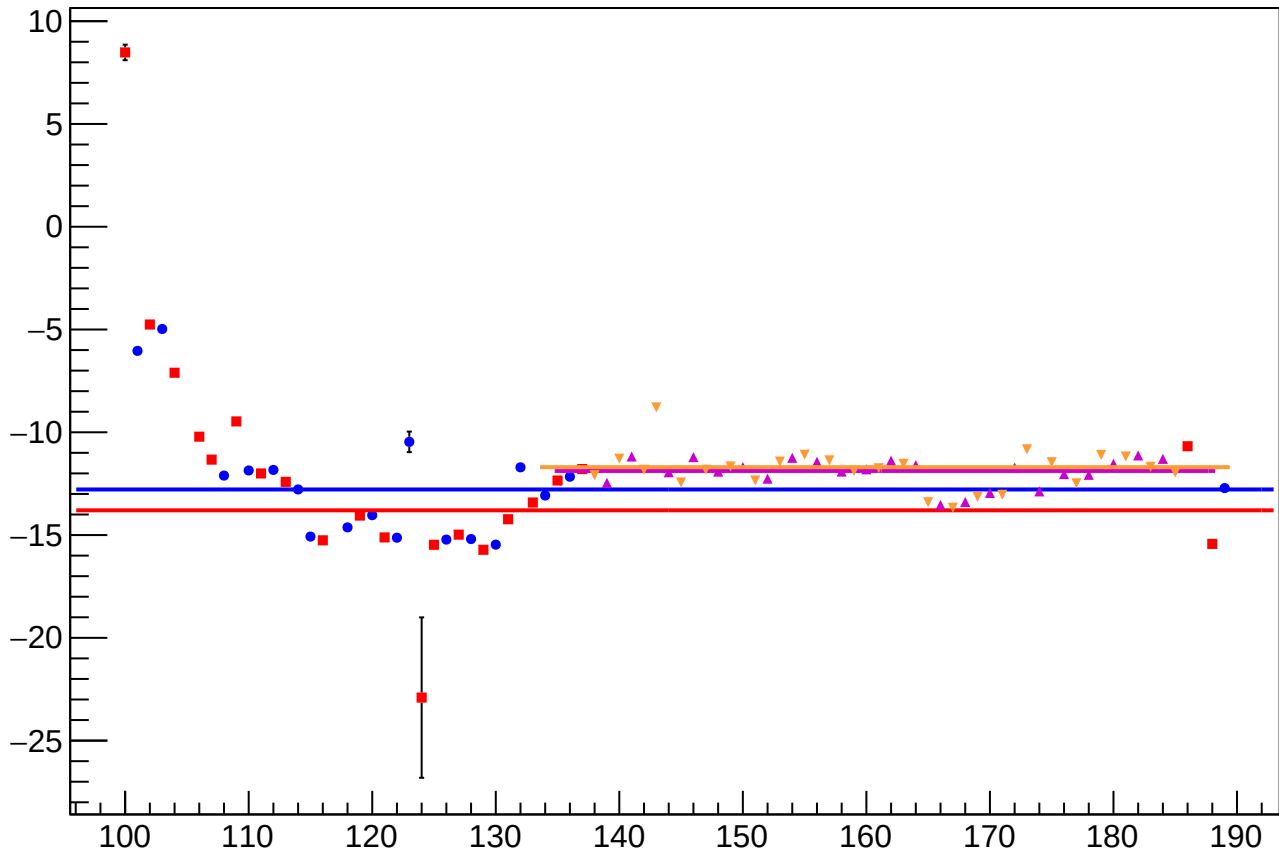
Right: 9.601 $\pm$ 0.000 χ^2 /NDF: 80256619.8/38

In: 9.601 $\pm$ 0.000 χ^2 /NDF:5749945.8/40

Out: 5.981 $\pm$ 0.000 χ^2 /NDF:354000.4/45

All: 9.601 $\pm$ 0.000 χ^2 /NDF: 90690856.2/86

dit_sam7_4eY_slope vs Slug, Sign Corrected



Right In: -12.781 ± 0.000 χ^2/NDF : 122854.4/17

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

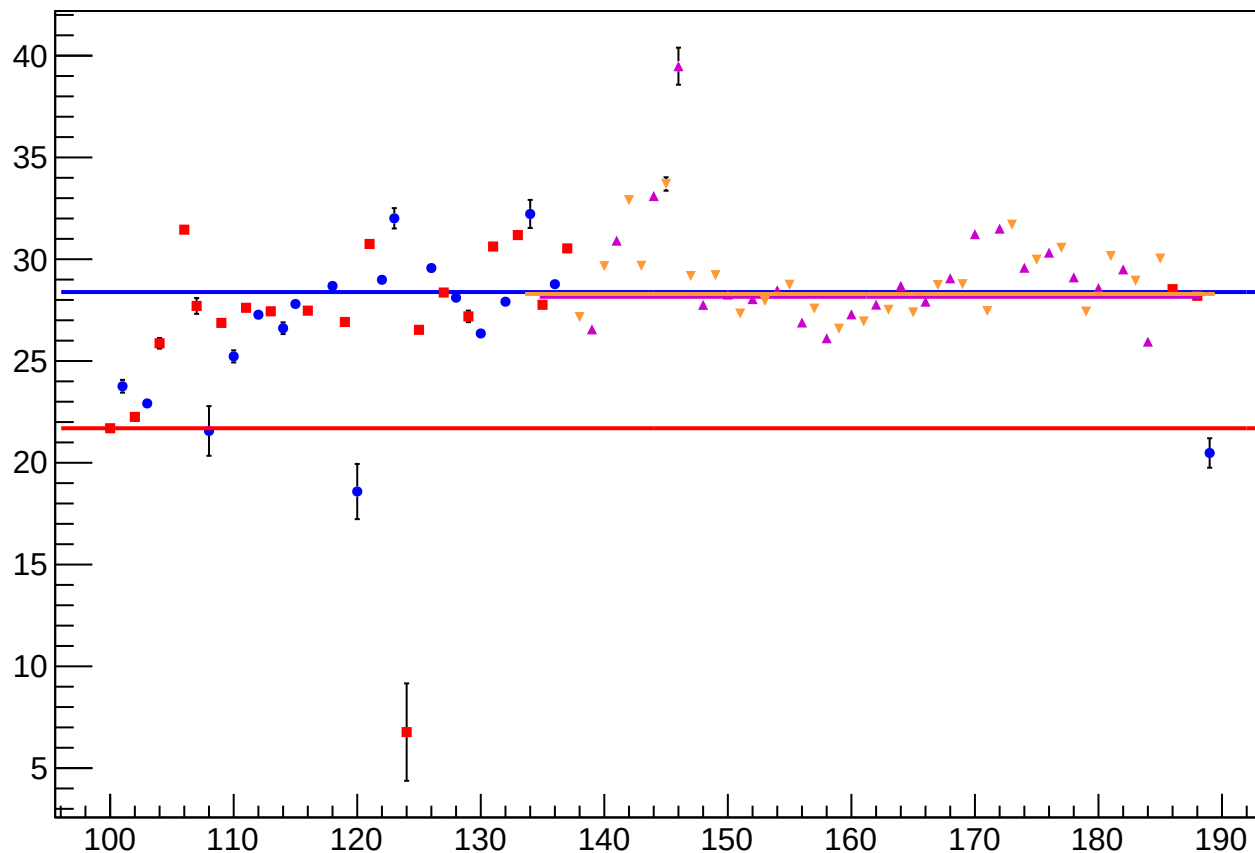
Right: -12.781 ± 0.000 χ^2/NDF : 239199.0/38

In: -12.781 ± 0.000 χ^2/NDF : 374056.5/40

Out: -11.976 ± 0.002 χ^2/NDF : 527933.2/45

All: -12.781 ± 0.000 χ^2/NDF : 1073557.9/86

dit_sam8_4aX_slope vs Slug, Sign Corrected



Right In: 28.387 $\pm$ 0.024 χ^2 /NDF: 3560.4/17

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

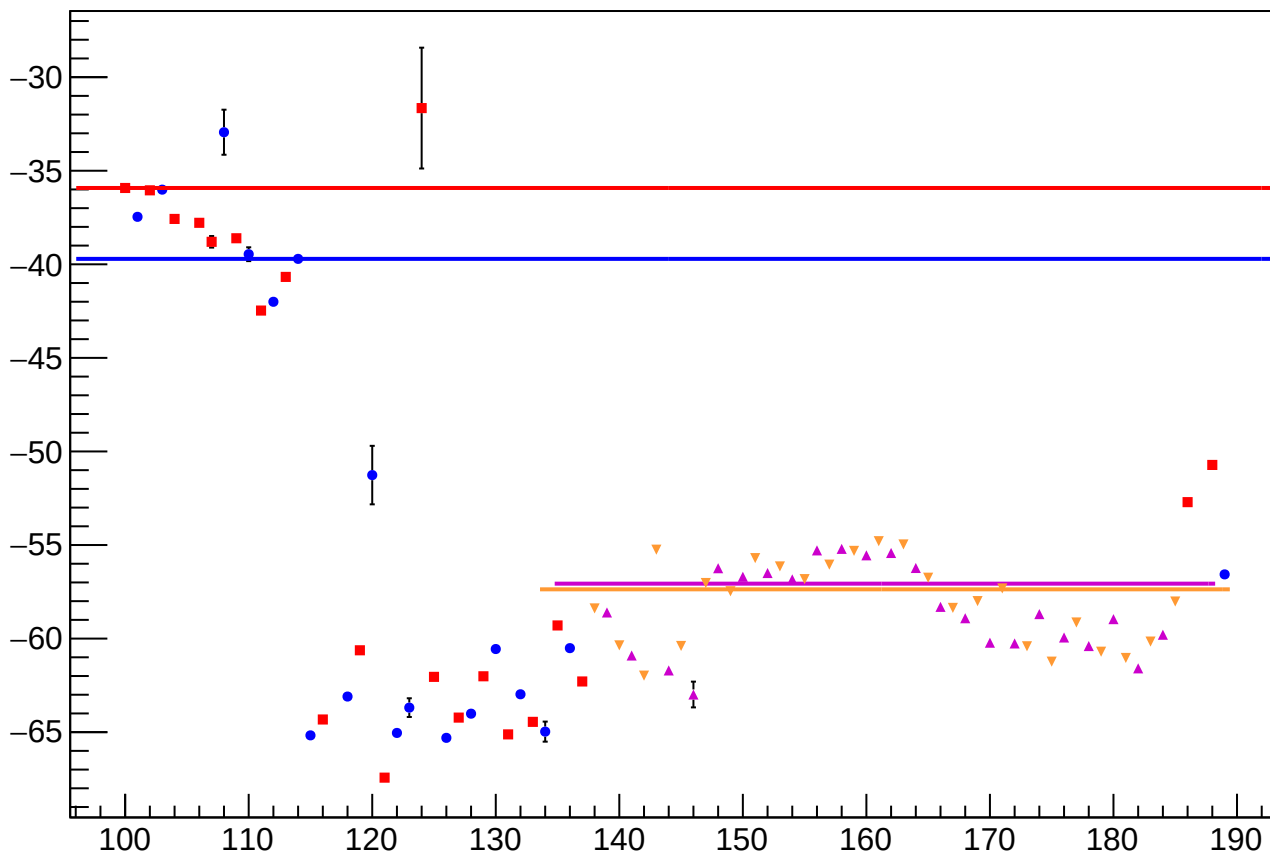
Right: 21.696 $\pm$ 0.000 χ^2 /NDF: 134224.2/38

In: 28.218 $\pm$ 0.013 χ^2 /NDF: 12877.8/40

Out: 21.696 $\pm$ 0.000 χ^2 /NDF: 201603.2/45

All: 21.696 $\pm$ 0.000 χ^2 /NDF: 482621.5/86

dit_sam8_4eX_slope vs Slug, Sign Corrected



Right In: -39.710 ± 0.000 $\chi^2/\text{NDF}: 1367528.2/17$

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 $\chi^2/\text{NDF}: 42723.5/47$

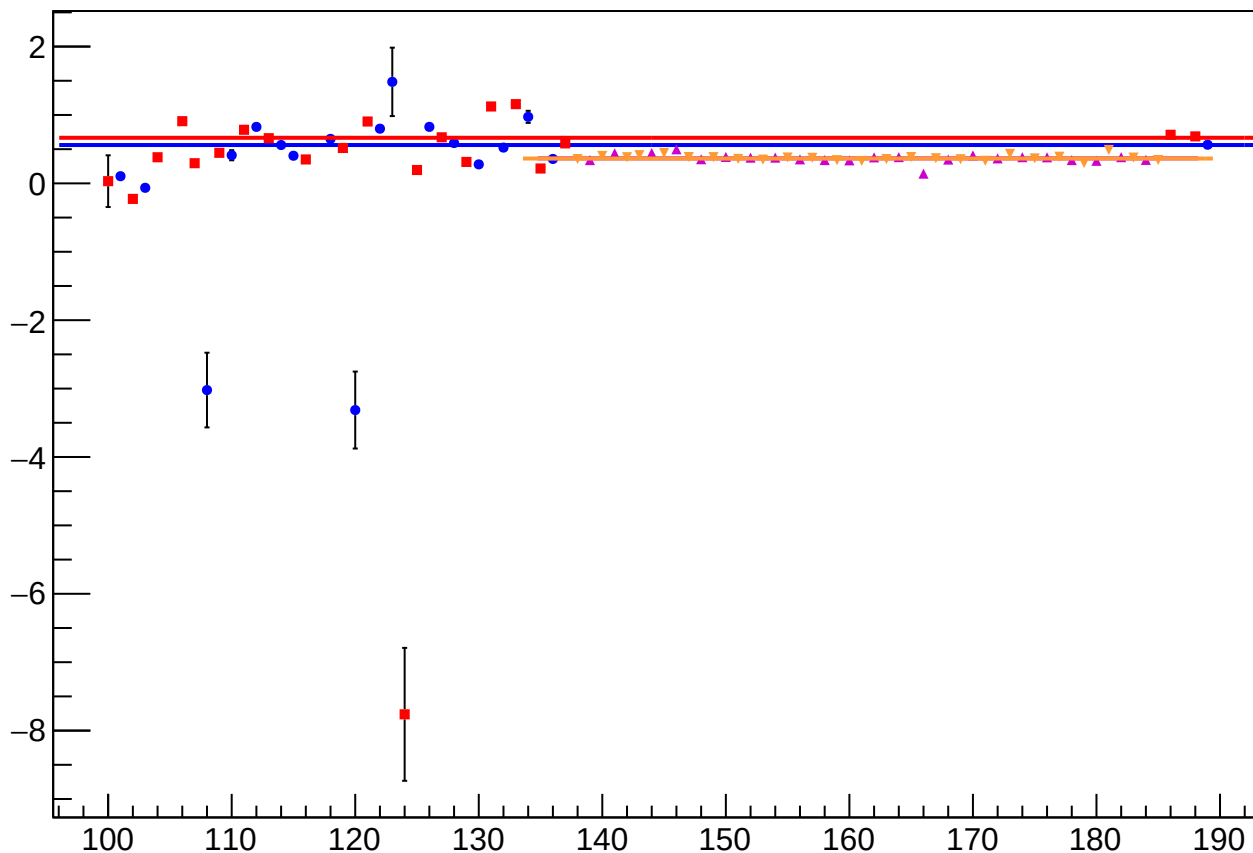
Right: -38.373 ± 0.000 $\chi^2/\text{NDF}: 110369434011630$

In: -39.710 ± 0.000 $\chi^2/\text{NDF}: 3254074.4/40$

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+/-0.000 χ^2/NDF : 16869.3/17

Left Out: 0.363+/-0.000 χ^2/NDF :8024.1/24

Right Out: 0.666+/-0.004 χ^2/NDF : 3783.6/20

Left In: 0.365+/-0.000 χ^2/NDF :6174.1/22

Left: 0.364+/-0.000 χ^2/NDF : 14223.6/47

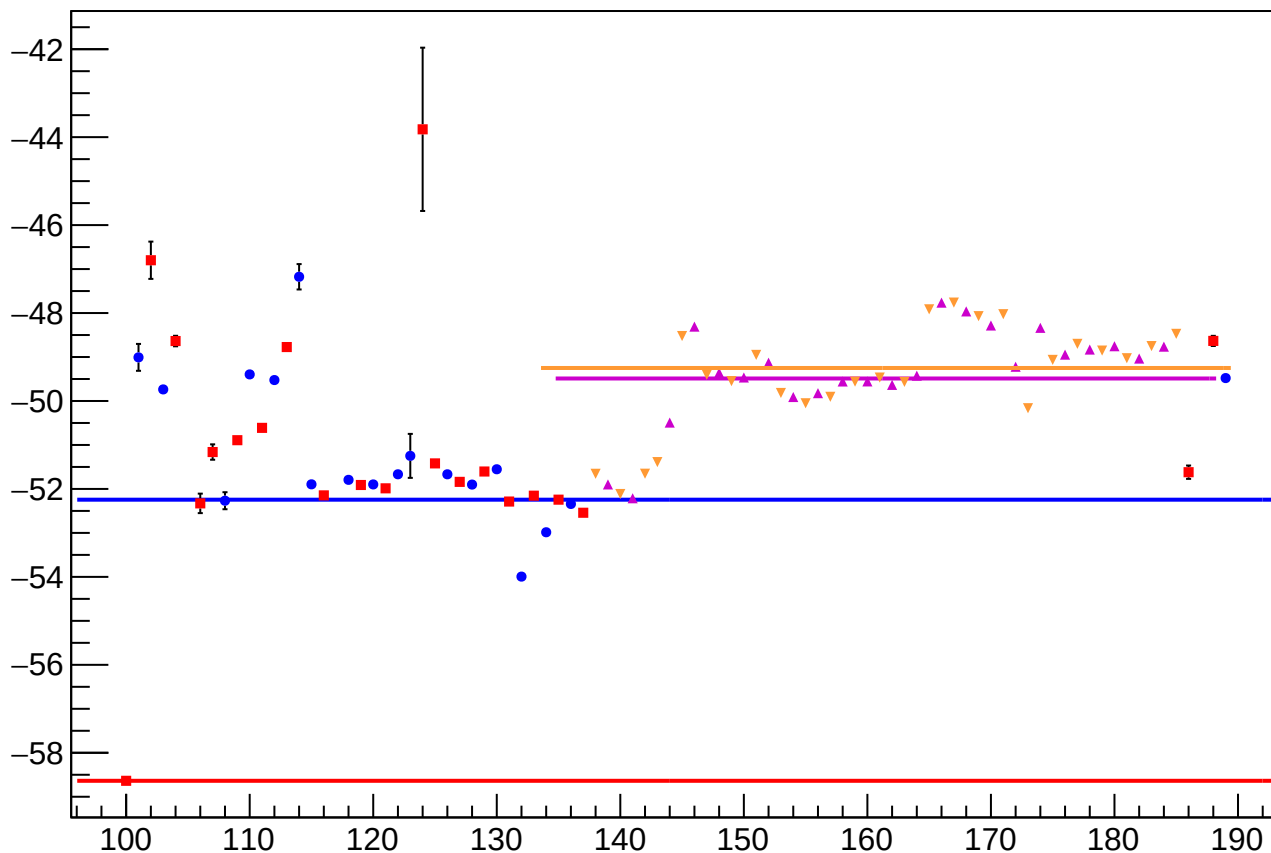
Right: 0.561+/-0.000 χ^2/NDF : 21211.4/38

In: 0.561+/-0.000 χ^2/NDF :373665.3/40

Out: 0.365+/-0.000 χ^2/NDF :16367.6/45

All: 0.561+/-0.000 χ^2/NDF : 725637.0/86

dit_sam8_4aY_slope vs Slug, Sign Corrected



Right In: -52.245 $\pm$ 0.004 χ^2 /NDF: 26955.5/17

Left Out: -49.249 $\pm$ 0.001 χ^2 /NDF: 493166.2/24

Right Out: -58.637 $\pm$ 0.000 χ^2 /NDF: 31290417.0/20

Left In: -49.488 $\pm$ 0.001 χ^2 /NDF: 431523.8/22

Left: -49.367 $\pm$ 0.001 χ^2 /NDF: 939535.4/47

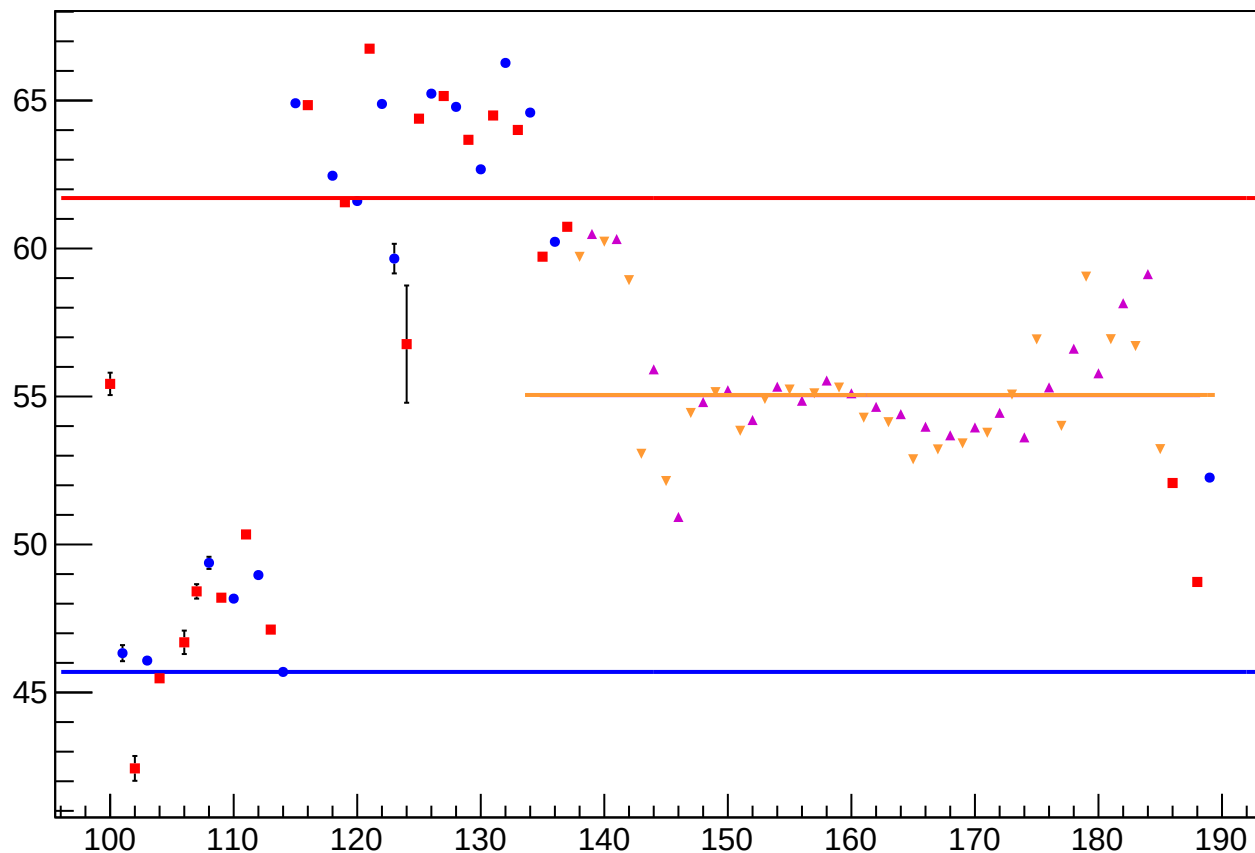
Right: -58.637 $\pm$ 0.000 χ^2 /NDF: 34406973.8/38

In: -49.843 $\pm$ 0.001 χ^2 /NDF: 958815.7/40

Out: -58.637 $\pm$ 0.000 χ^2 /NDF: 78283195.4/45

All: -58.637 $\pm$ 0.000 χ^2 /NDF: 124655881.3/8

dit_sam8_4eY_slope vs Slug, Sign Corrected



Right In: 45.694 ± 0.000 χ^2/NDF : 3580032.2/17

Left Out: 55.052 ± 0.003 χ^2/NDF : 373445.7/24

Right Out: 61.705 ± 0.006 χ^2/NDF : 277051.6/20

Left In: 55.045 ± 0.003 χ^2/NDF : 88930.1/22

Left: 55.048 ± 0.002 χ^2/NDF : 462378.3/47

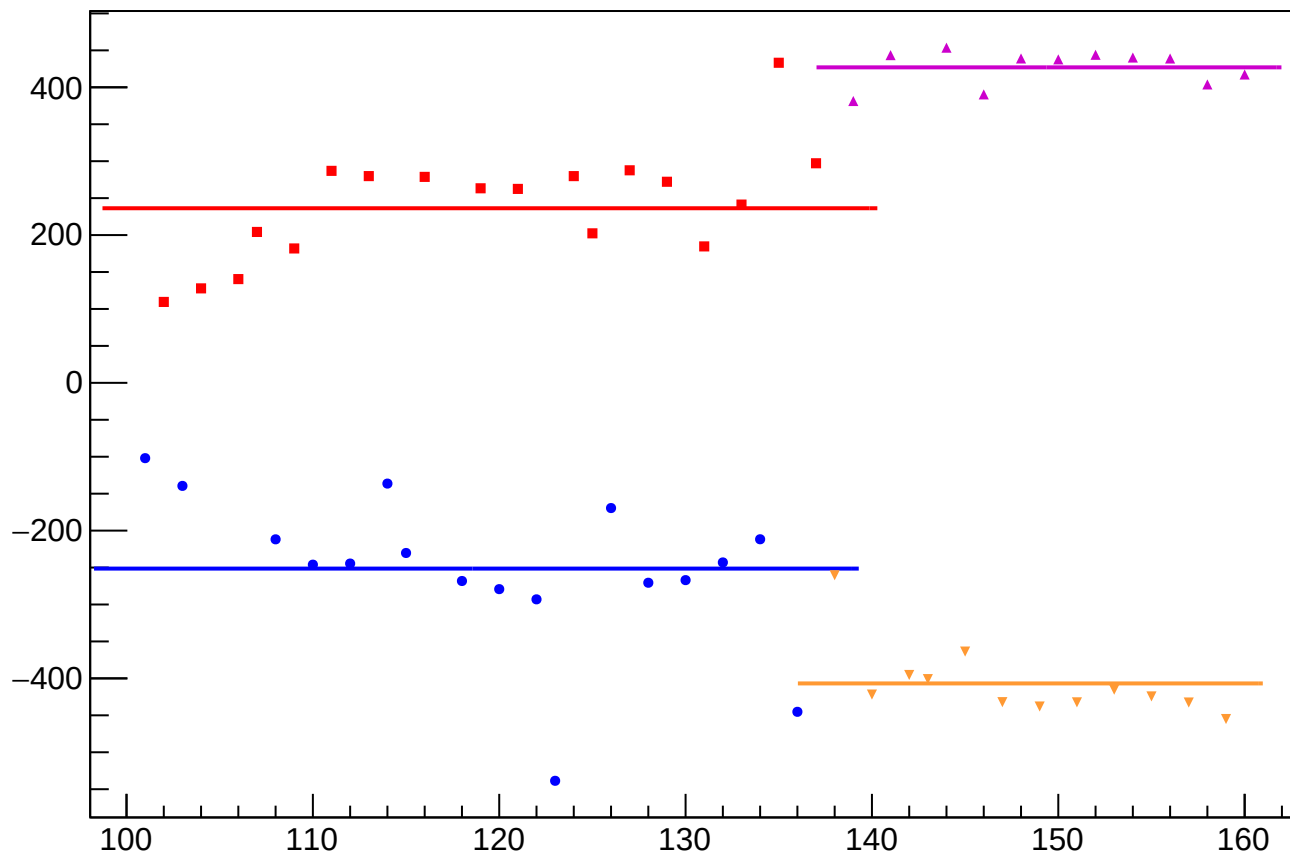
Right: 45.694 ± 0.000 χ^2/NDF : 10194903.1/38

In: 45.694 ± 0.000 χ^2/NDF : 14327129.3/40

Out: 56.334 ± 0.003 χ^2/NDF : 1533961.7/45

All: 45.694 ± 0.000 χ^2/NDF : 30382697.4/86

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

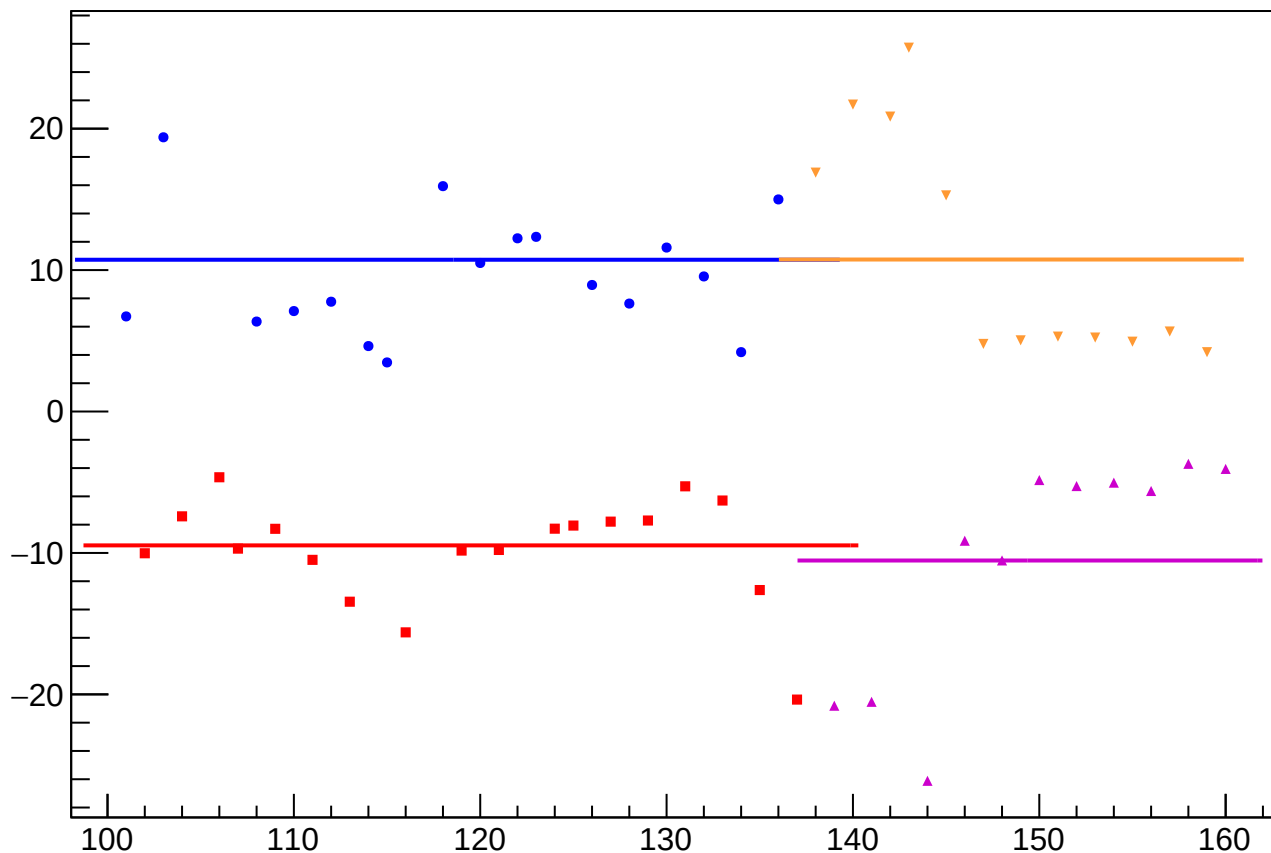
Right: -3.917+/-0.000 χ^2/NDF : 9473030910379414

In: 137.624+/-0.000 χ^2/NDF : 19003095258773893

Out: -123.678+/-0.000 χ^2/NDF : 172412613694126

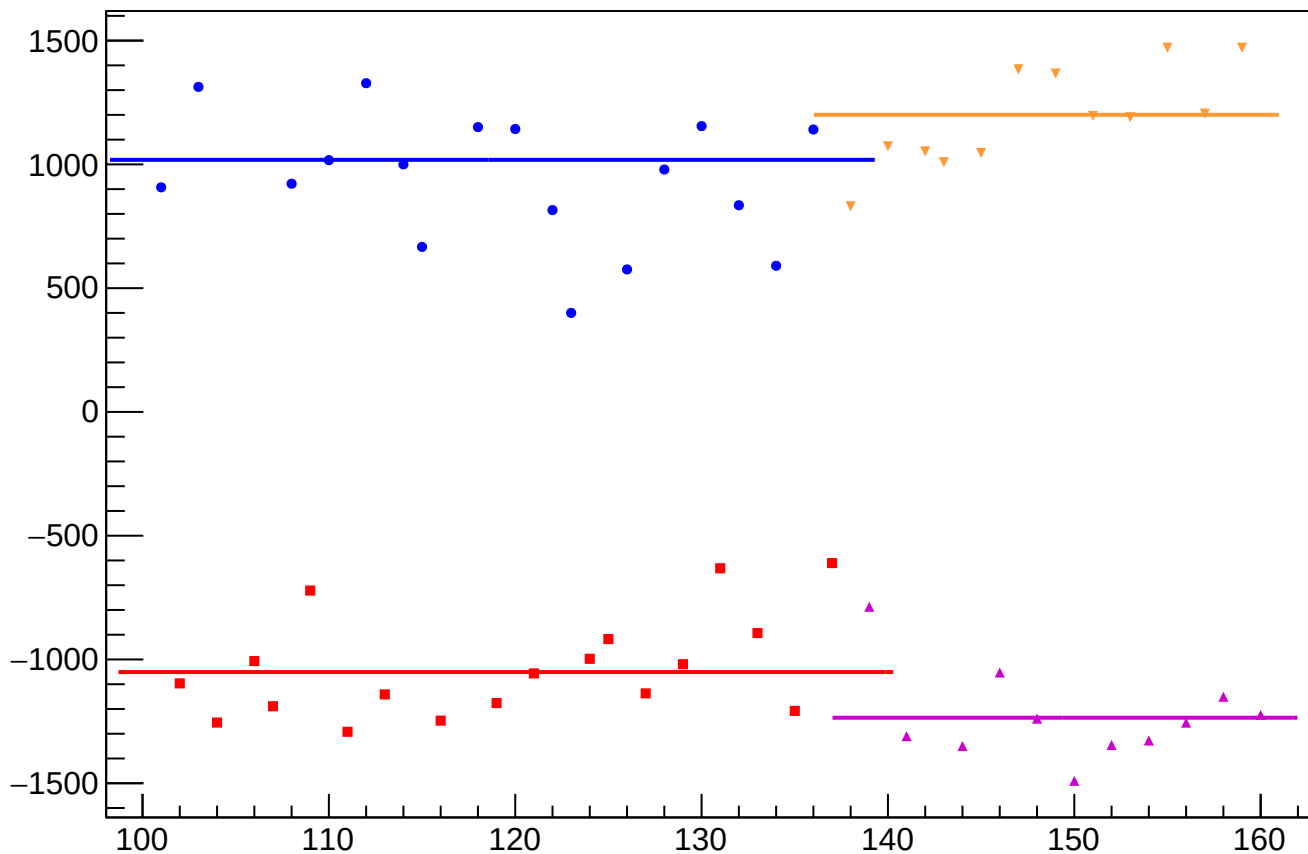
All: 7.093+/-0.000 χ^2/NDF : 41793683043915

dit_4aX_coil1_err_mean vs Slug, Sign Corrected



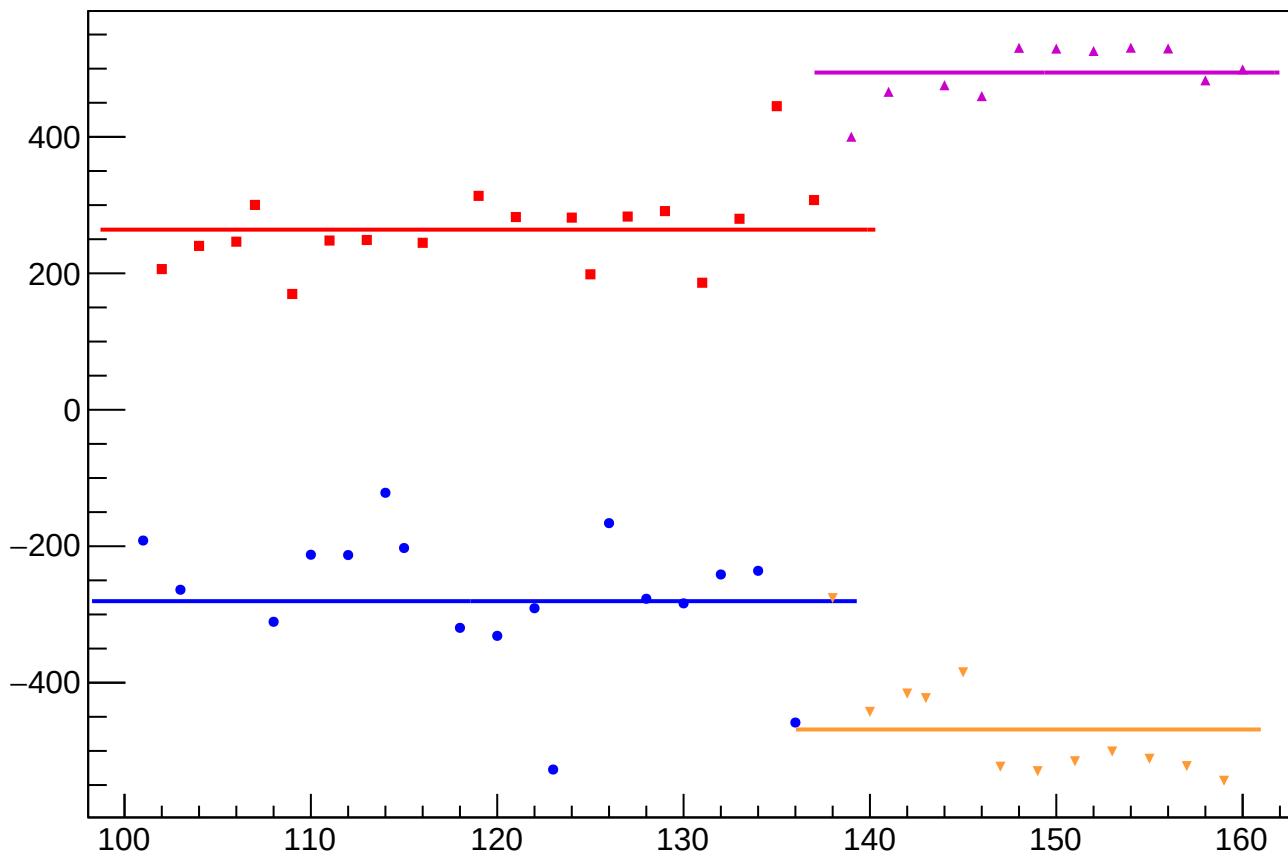
Right In: 10.731+/-0.000 χ^2/NDF : 12832156832660883988585211297267712.0/16
 Left Out: 10.747+/-0.000 χ^2/NDF : 52568555520200298220372681258172416.0/11
 Right Out: -9.465+/-0.000 χ^2/NDF : 6964289429474711338503750841008128.0/17
 Left In: -10.535+/-0.000 χ^2/NDF : 56030306294181725597372333160398848.0/10
 All: 0.191+/-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
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_4eX_coil1_mean vs Slug, Sign Corrected



Right In: -280.488+/-0.000

χ^2/NDF : 5126630238526976320868749941319663616.0/16

Left Out: -468.575+/-0.000

χ^2/NDF : 5376900160405137659978716094572527616.0/11

Right Out: 264.038+/-0.000

χ^2/NDF : 2950904189133891581840816046652522496.0/17

Left In: 494.291+/-0.000

χ^2/NDF : 1453739025414967917322489885861347328.0/10

Left: 19.131+/-0.000 χ^2/NDF : 43369236595936528

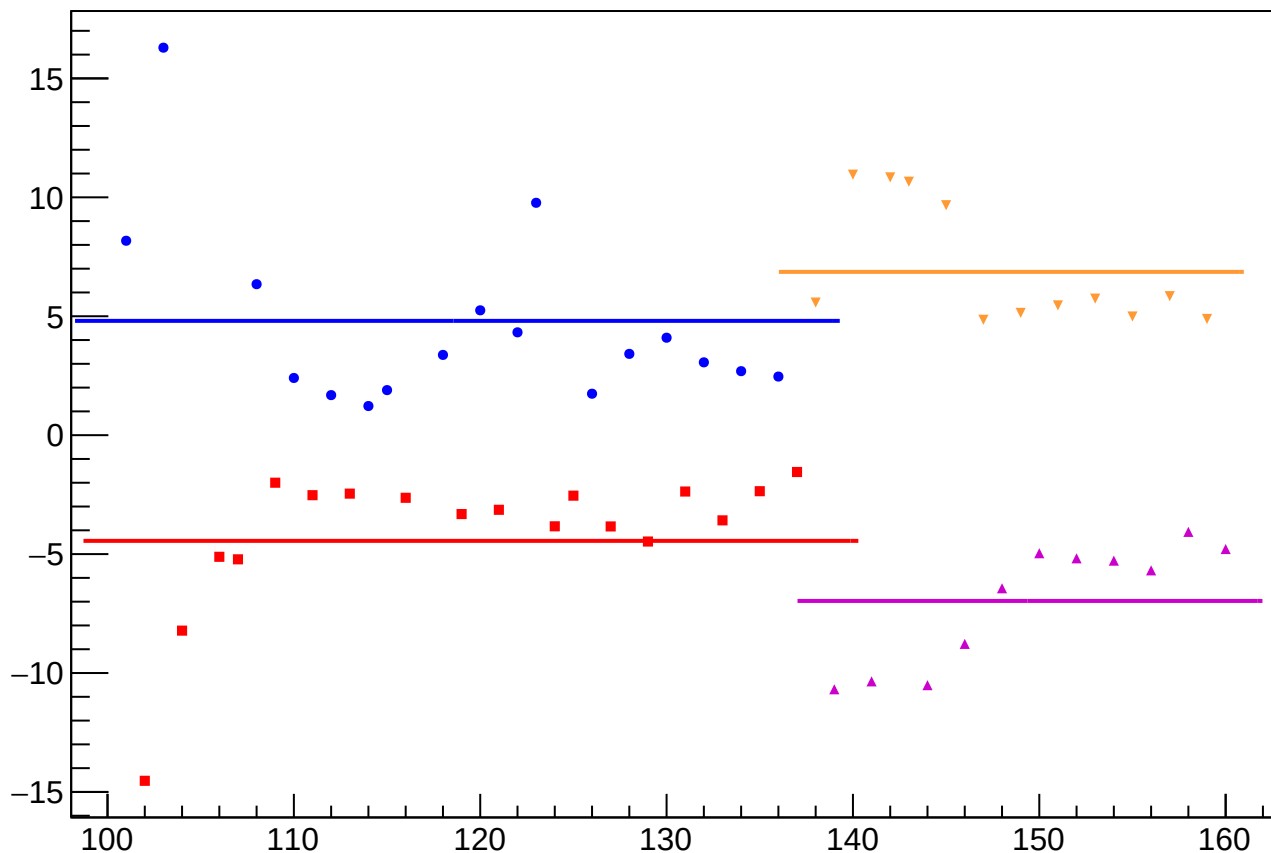
Right: -4.167+/-0.000 χ^2/NDF : 1124995033891218

In: 163.807+/-0.000 χ^2/NDF : 24547656580890999

Out: -146.027+/-0.000 χ^2/NDF : 223127037858541

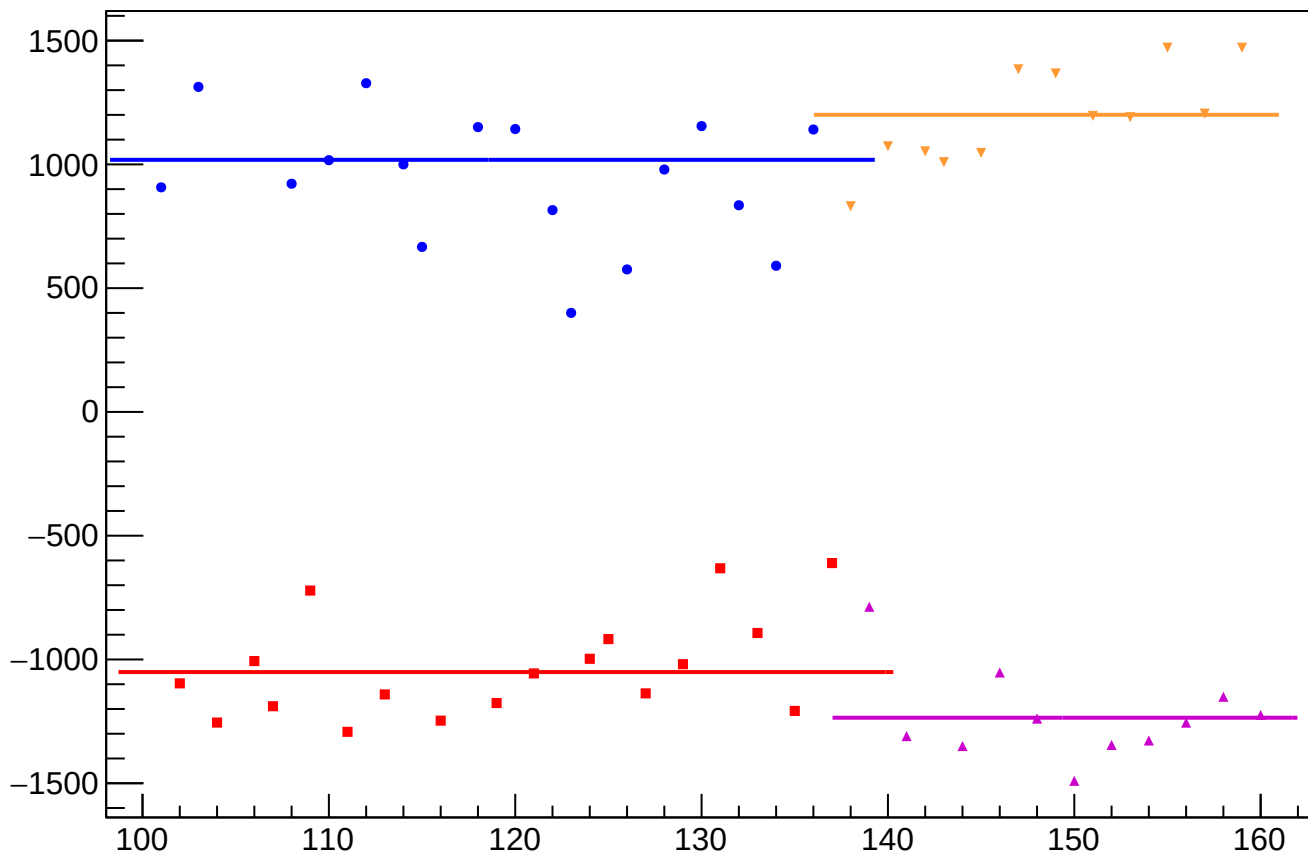
All: 9.033+/-0.000 χ^2/NDF : 54662520345172

dit_4eX_coil1_err_mean vs Slug, Sign Corrected



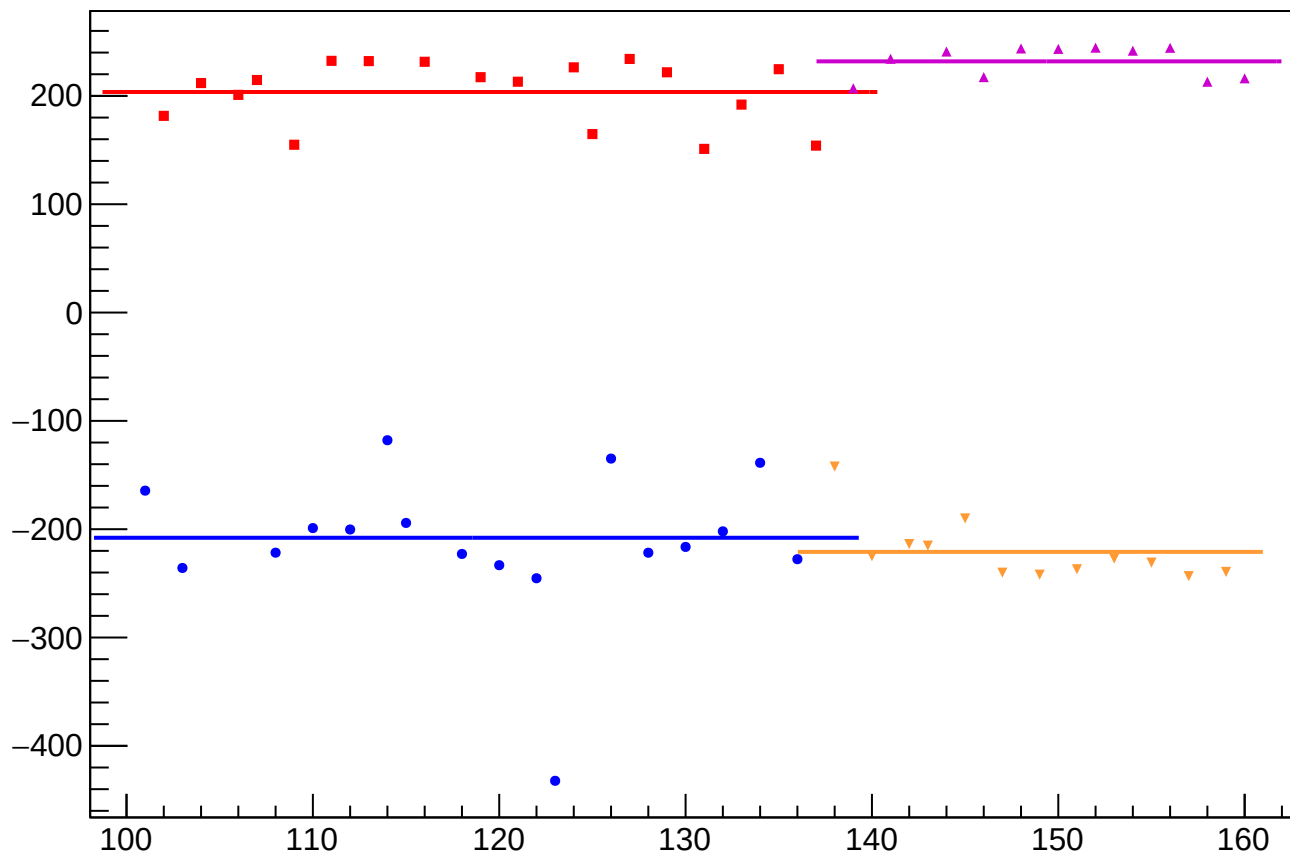
Left: -0.142 ± 0.000 $\chi^2/\text{NDF}: 99041392723276932$
 Right In: 4.806 ± 0.000 $\chi^2/\text{NDF}: 10922956451109492621931429310234624.0/16$
 Left Out: 6.866 ± 0.000 $\chi^2/\text{NDF}: 5299669563995653642636095012208640.0/11$
 Right Out: -4.443 ± 0.000 $\chi^2/\text{NDF}: 8238698902114437843582467079929856.0/17$
 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: -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_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 : 953222302961658420

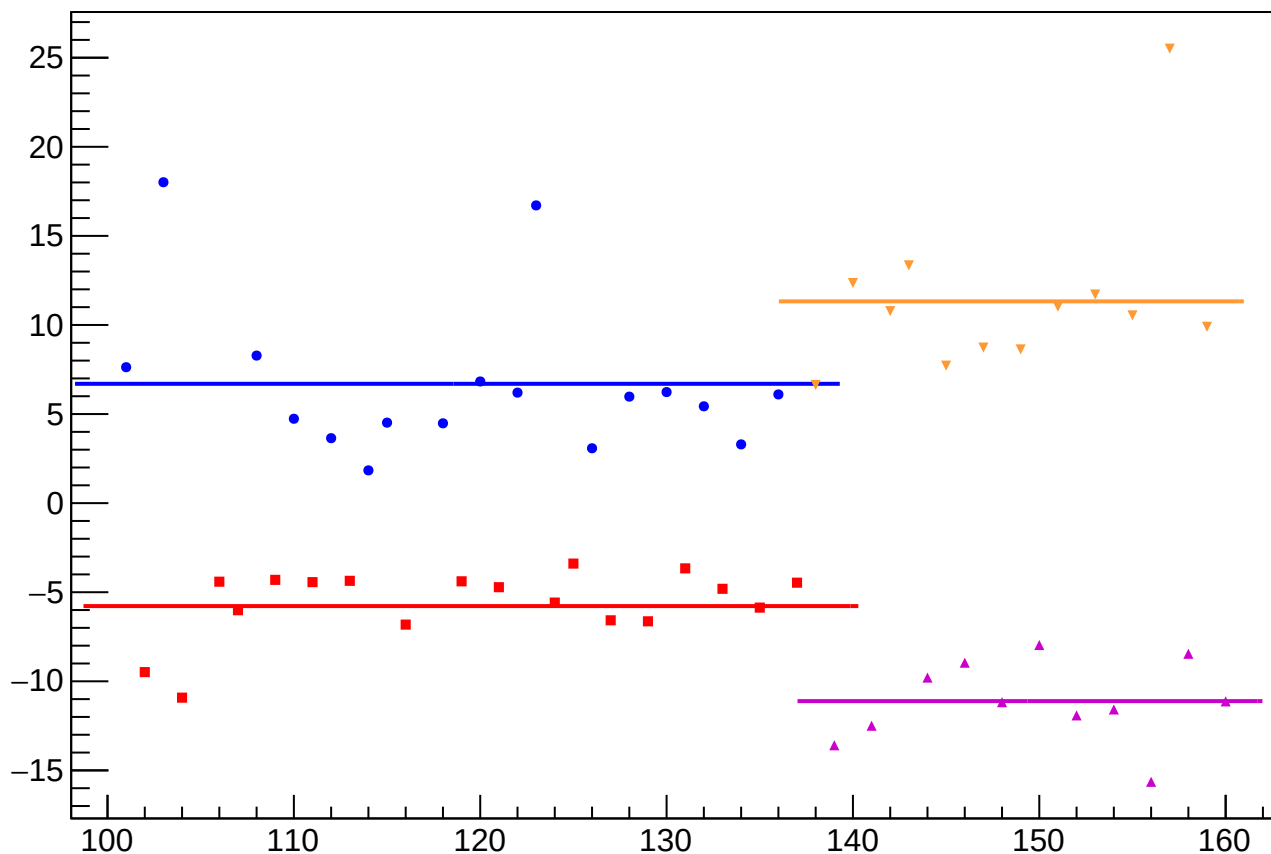
Right: 0.925+/-0.000 χ^2/NDF : 61129354546867051

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 $\chi^2/\text{NDF}: 4392167277443947568386278164529152.0/10$

Left: -0.039 ± 0.000 $\chi^2/\text{NDF}: 25552490572073324$

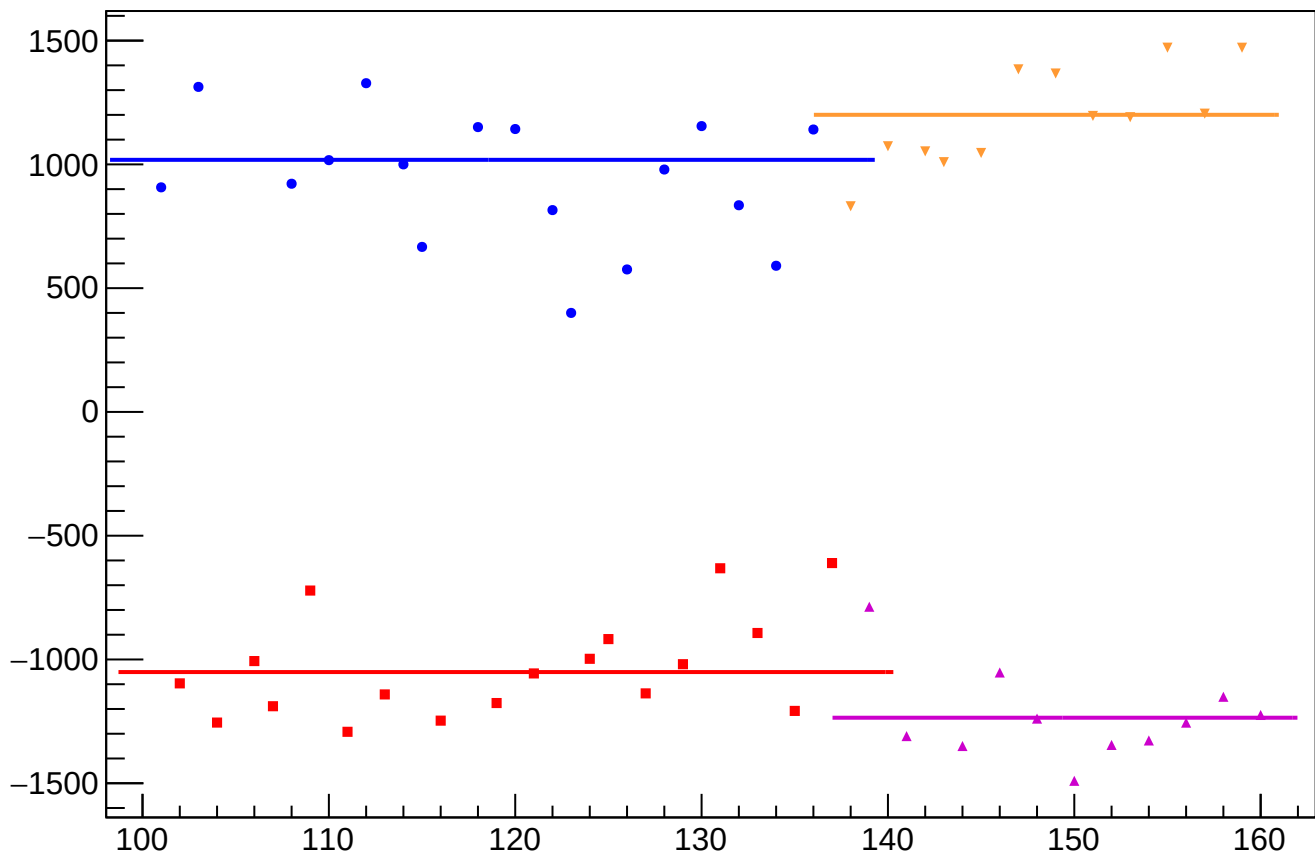
Right: 0.367 ± 0.000 $\chi^2/\text{NDF}: 68189487523500599$

In: -3.515 ± 0.000 $\chi^2/\text{NDF}: 140829625935377587$

Out: 3.795 ± 0.000 $\chi^2/\text{NDF}: 139587745732989815$

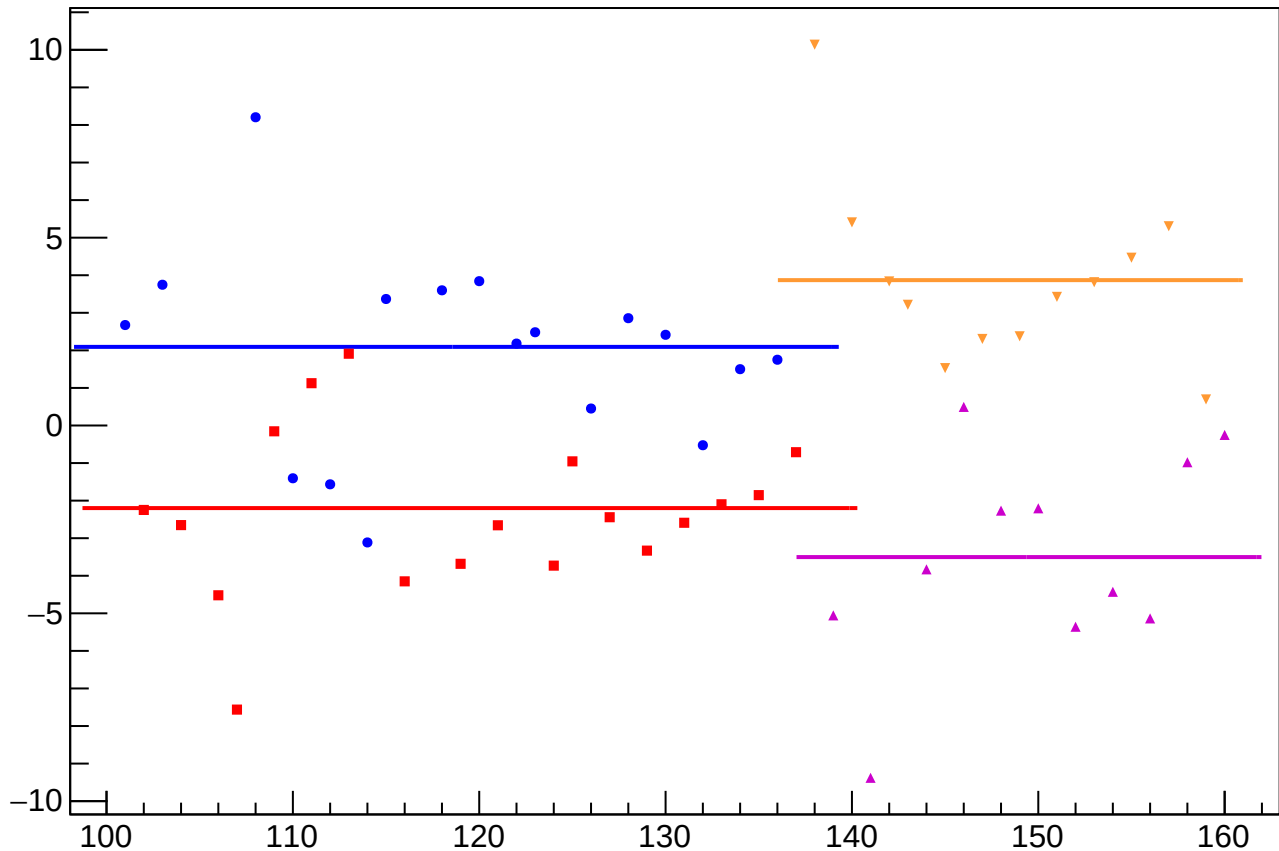
All: 0.137 ± 0.000 $\chi^2/\text{NDF}: 32384583598296$

dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000	χ^2/NDF : 32778661856751386998435413517146259456.0/16	Left: -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_4aY_coil1_mean vs Slug, Sign Corrected



Right In: 2.093 ± 0.000

$\chi^2/\text{NDF}: 3708588340032367175525218060861440.0/16$

Left Out: 3.870 ± 0.000

$\chi^2/\text{NDF}: 5096895495074779754701121480818688.0/11$

Right Out: -2.199 ± 0.000

$\chi^2/\text{NDF}: 3107113733134423203865144181391360.0/17$

Left In: -3.503 ± 0.000

$\chi^2/\text{NDF}: 6729958277549549509263051005624320.0/10$

Left: 0.135 ± 0.000 $\chi^2/\text{NDF}: 368509410294214663.0/16$

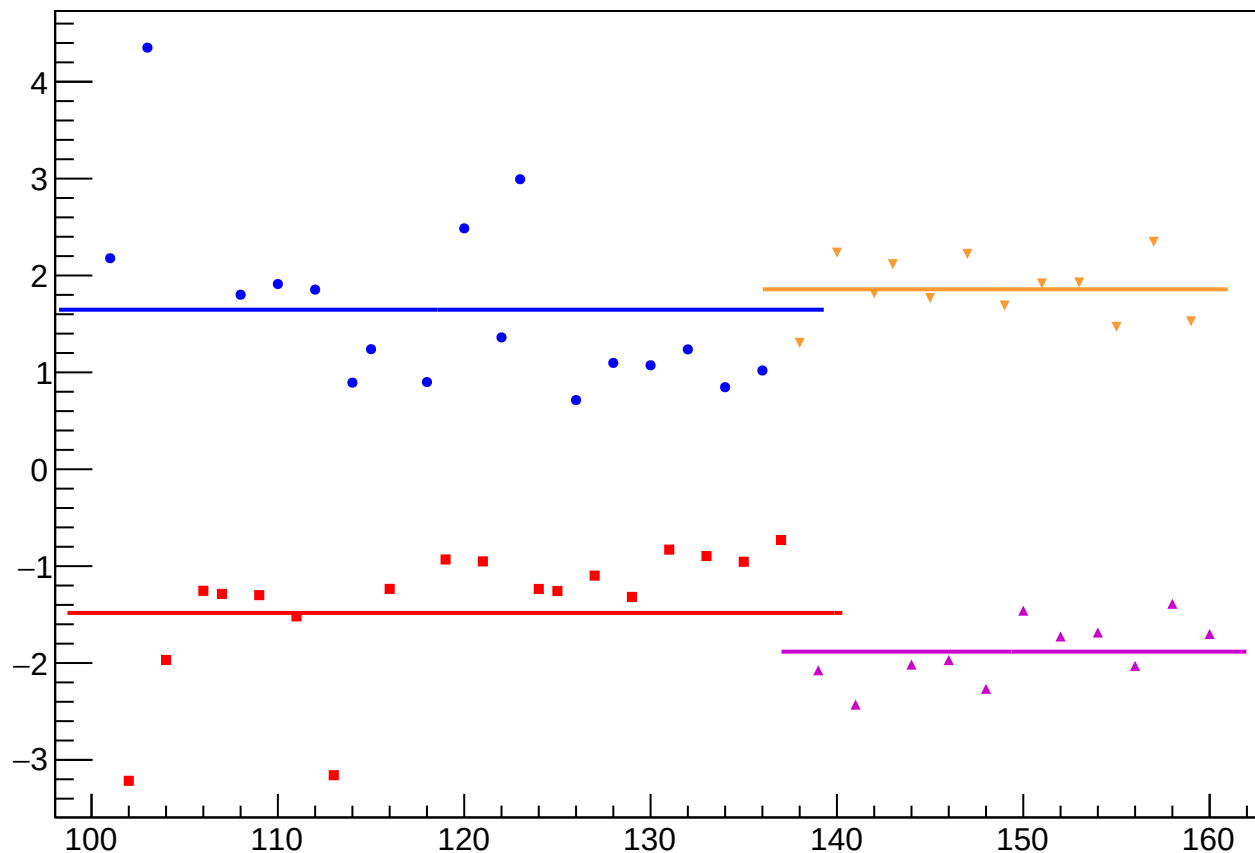
Right: -0.085 ± 0.000 $\chi^2/\text{NDF}: 1330172036915898.0/11$

In: -1.116 ± 0.000 $\chi^2/\text{NDF}: 228997943130651727.0/17$

Out: 1.198 ± 0.000 $\chi^2/\text{NDF}: 229403467126811658.0/10$

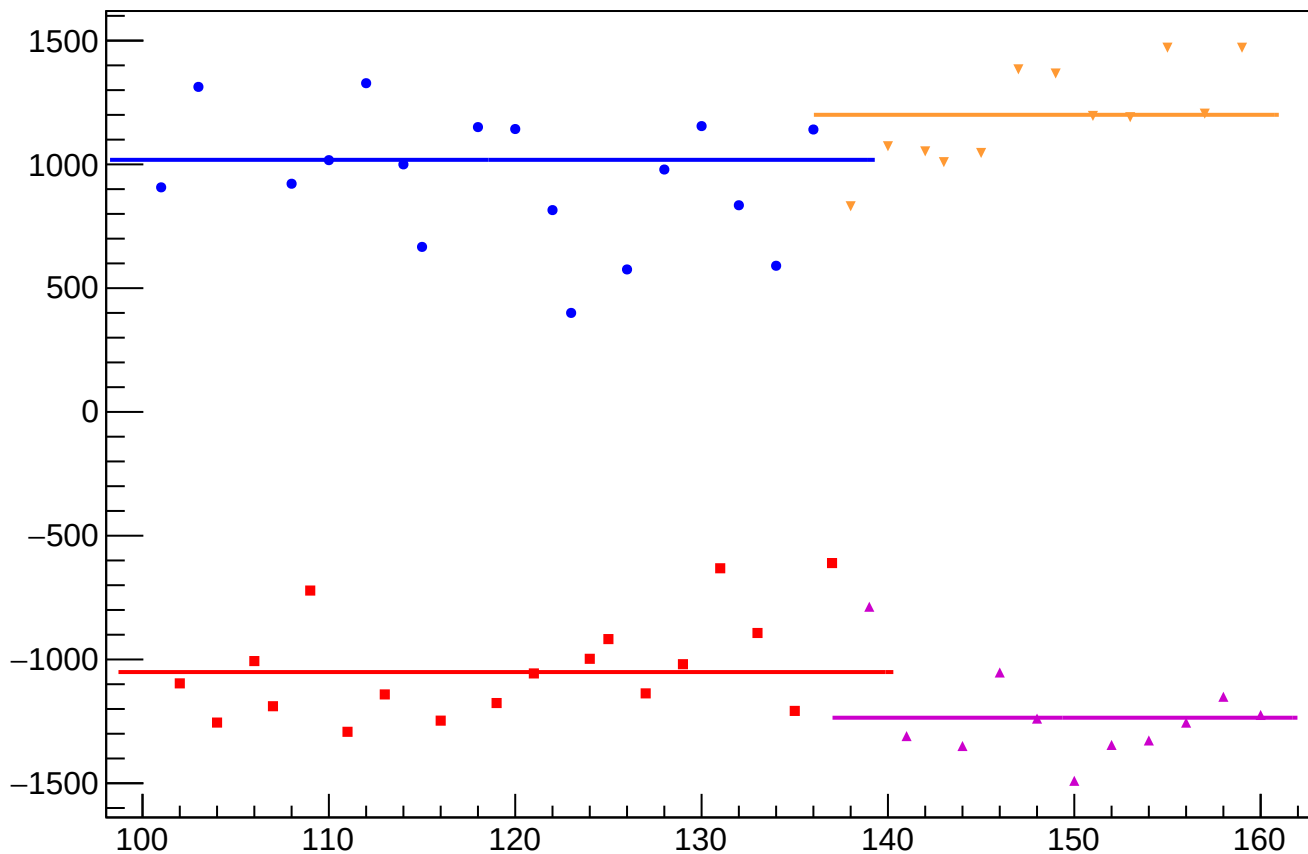
All: 0.040 ± 0.000 $\chi^2/\text{NDF}: 50191355697272.0/16$

dit_4aY_coil1_err_mean vs Slug, Sign Corrected



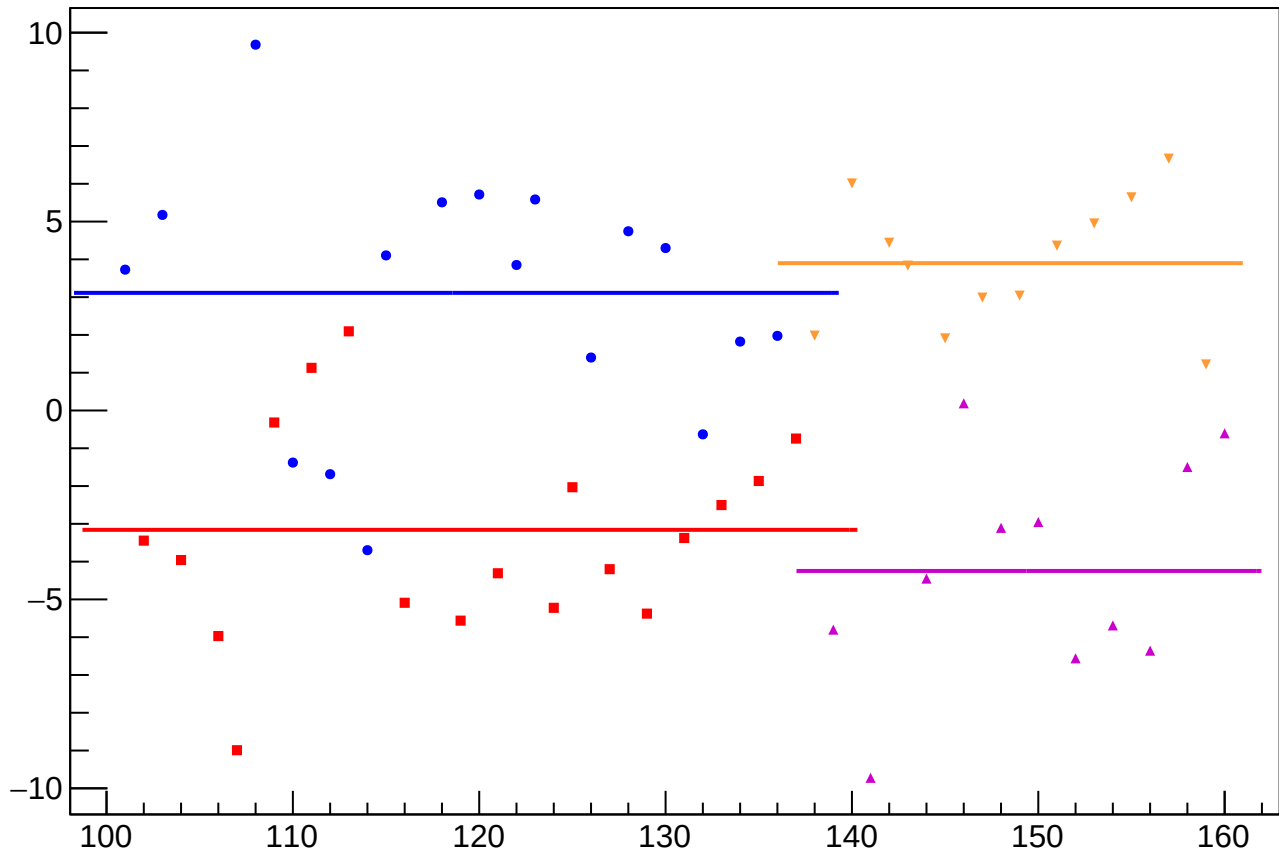
Right In: 1.647 ± 0.000 $\chi^2/\text{NDF}: 651088572320131635658625105526784.0/16$
 Left Out: 1.858 ± 0.000 $\chi^2/\text{NDF}: 92819096352183662549607808761856.0/11$
 Right Out: -1.483 ± 0.000 $\chi^2/\text{NDF}: 413770473105203088009551048343552.0/17$
 Left In: -1.883 ± 0.000 $\chi^2/\text{NDF}: 89198060548496721731654669828096.0/10$
 All: 0.005 ± 0.000 $\chi^2/\text{NDF}: 11145646478182$

dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected



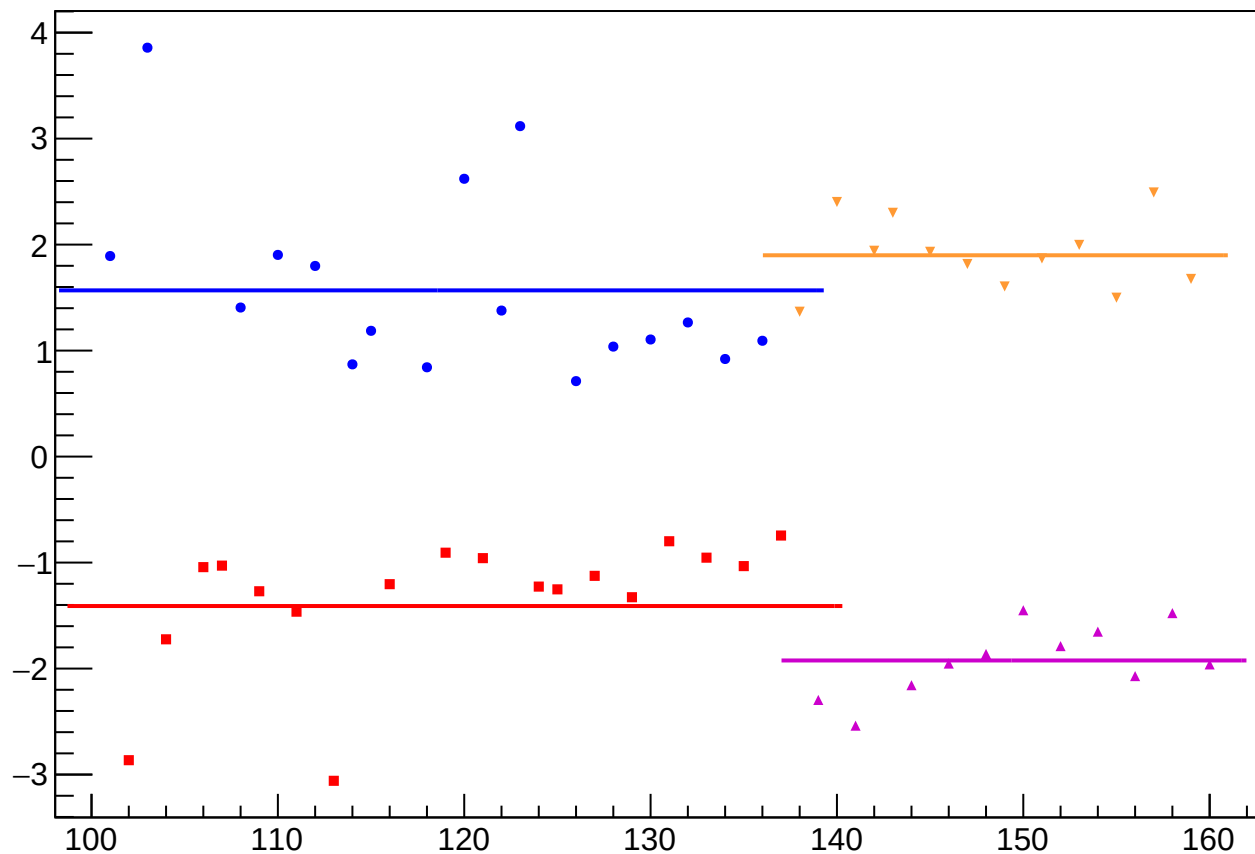
Right In: 1018.403+/-0.000	χ^2/NDF : 32778661856751386998435413517146259456.0/16	Left: -33.377+/-0.000	χ^2/NDF : 2794350173420514
Left Out: 1200.293+/-0.000	χ^2/NDF : 34024831893478856274932660157533913088.0/11	Right: -31.639+/-0.000	χ^2/NDF : 156759750862946
Right Out: -1050.842+/-0.000	χ^2/NDF : 26898078099677260392287731084448235520.0/17	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



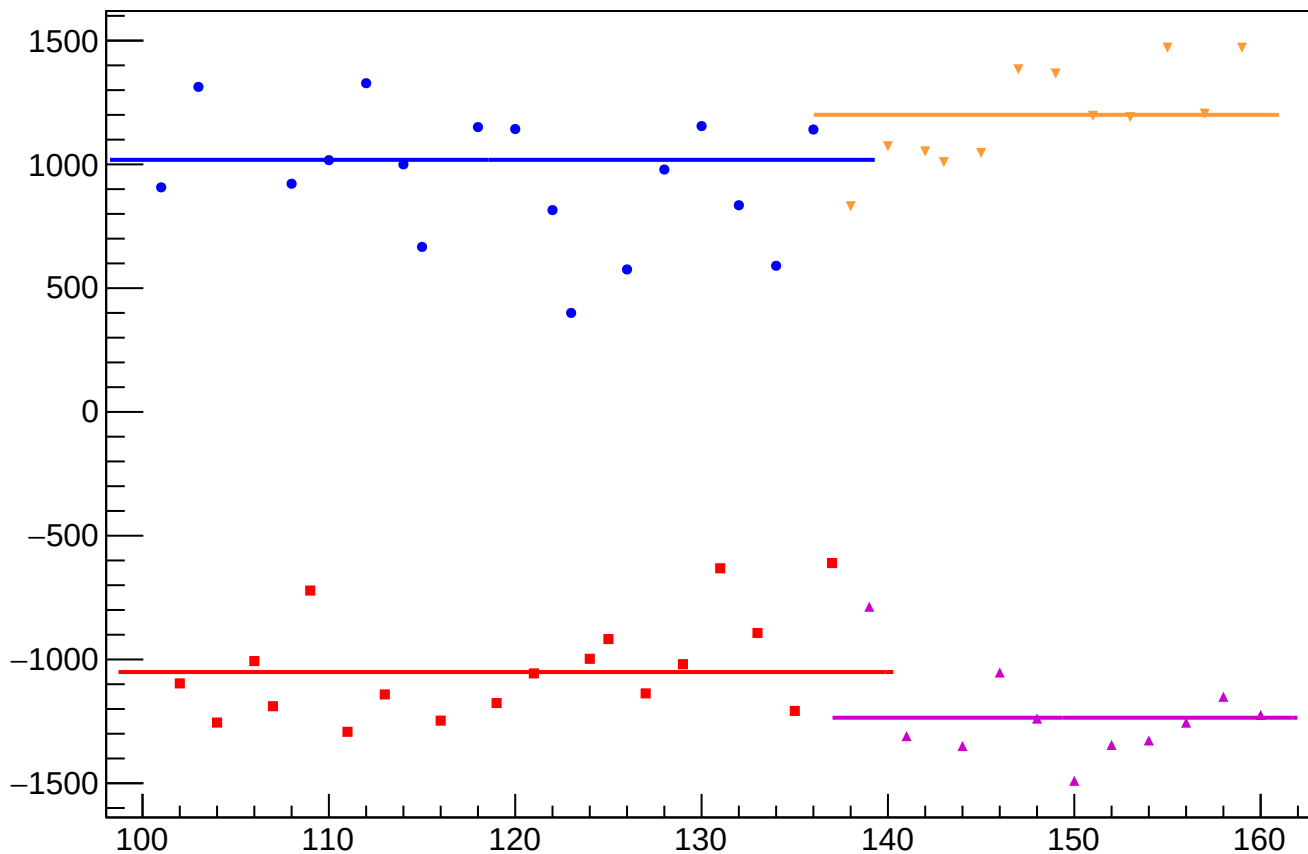
Left: -0.227 +/- 0.000 χ^2/NDF : 40514341492675254
 Right In: 3.113 +/- 0.000 χ^2/NDF : 5969364473683453458180416326336512.0/16
 Right: -0.069 +/- 0.000 χ^2/NDF : 2483579584133620
 Left Out: 3.899 +/- 0.000 χ^2/NDF : 2596063476262392643786187397398528.0/11
 In: -1.107 +/- 0.000 χ^2/NDF : 348931349722056987
 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



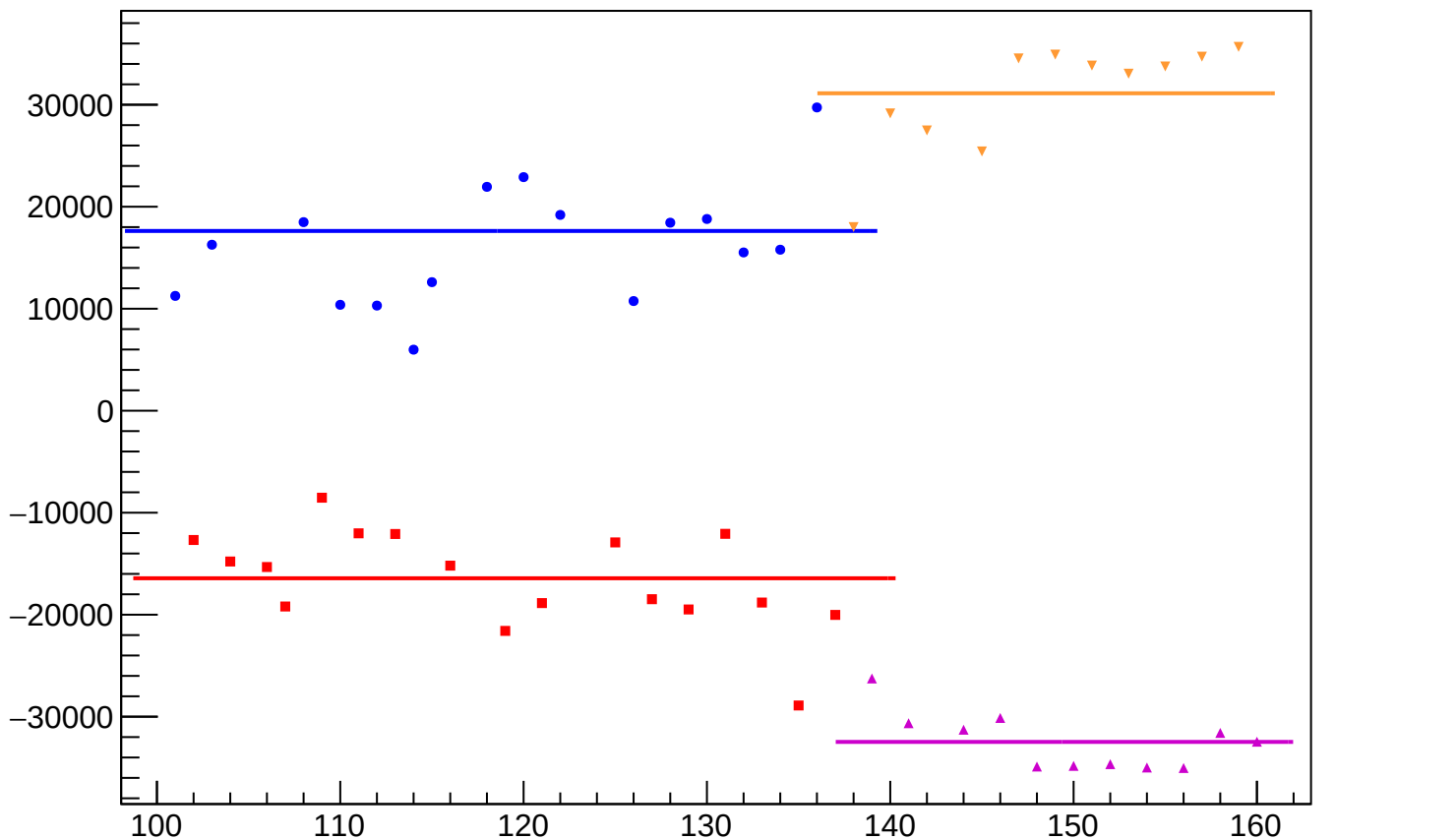
Right In: 1.568 $\pm$ 0.000 χ^2/NDF : 496968559591870447992286312660992.0/16
 Left Out: 1.899 $\pm$ 0.000 χ^2/NDF : 105245400634415170842187400216576.0/11
 Right Out: -1.410 $\pm$ 0.000 χ^2/NDF : 328993477679498579442129623318528.0/17
 Left In: -1.924 $\pm$ 0.000 χ^2/NDF : 95242962939028869202536503967744.0/10
 All: 0.004 $\pm$ 0.000 χ^2/NDF : 10885569689706

dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected



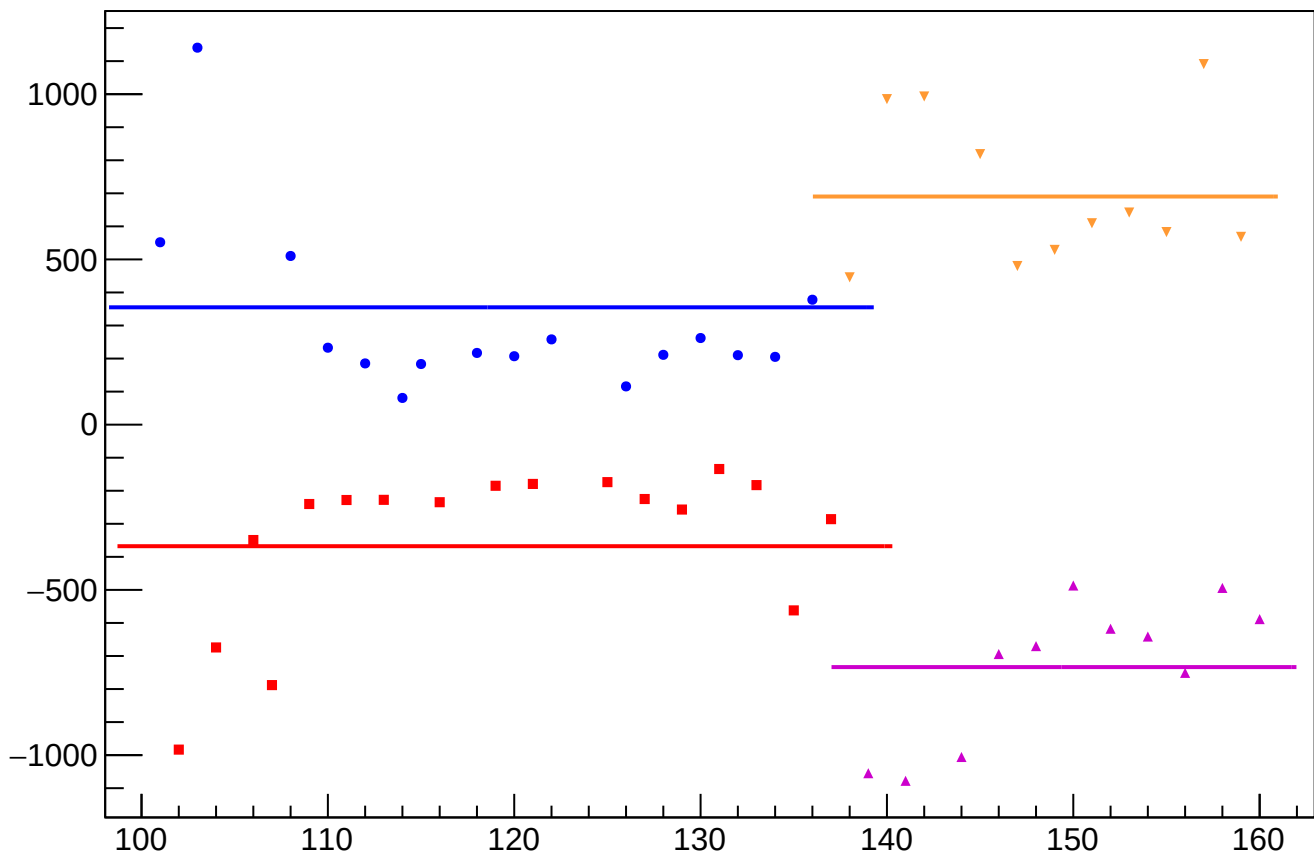
Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_usl_coil1_mean vs Slug, Sign Corrected



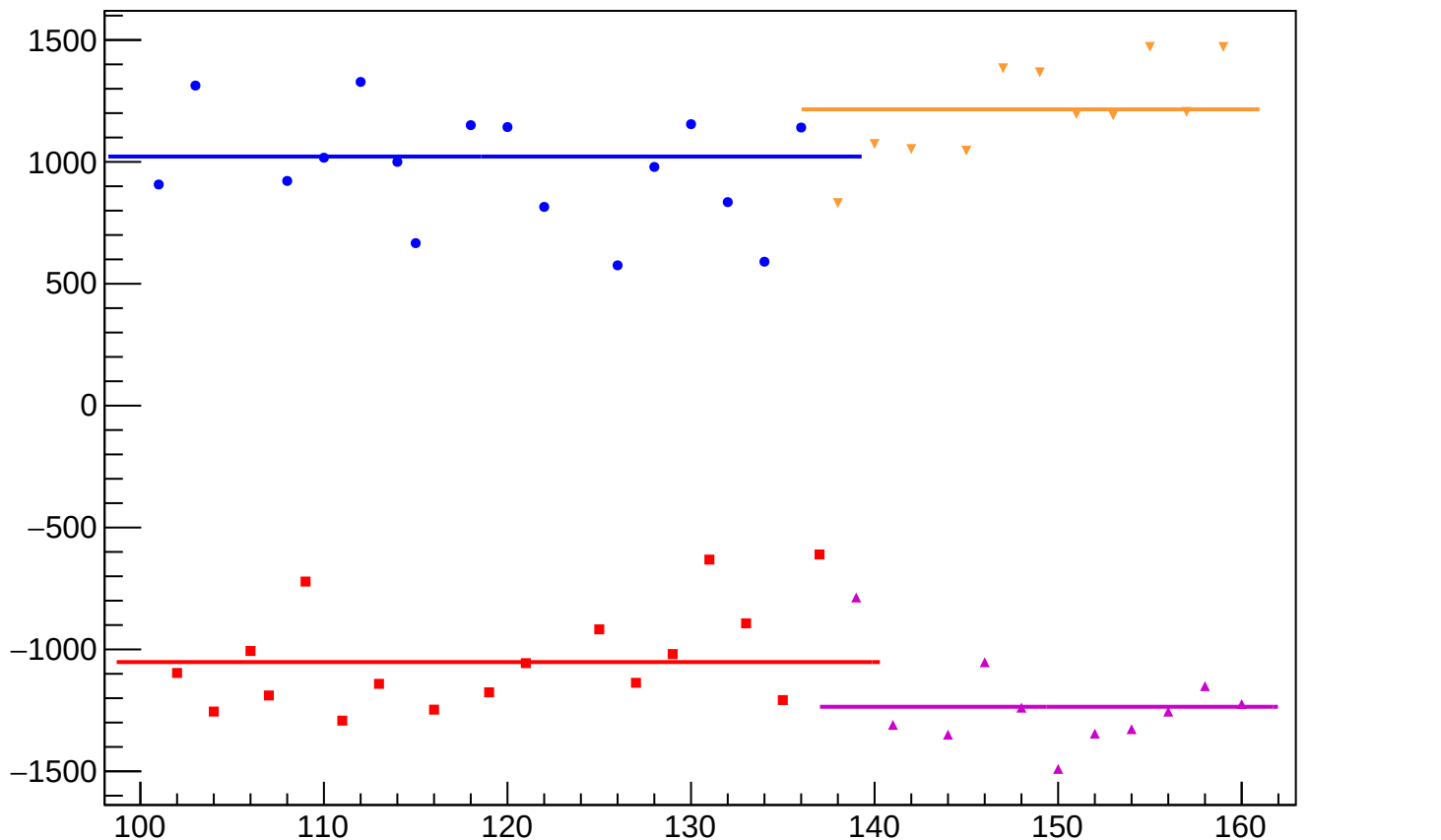
Right In: 17623.415+/-0.000 χ^2/NDF : 26214852160510248108396540611197117923328.0/15
 Left Out: 31121.908+/-0.000 χ^2/NDF : 23059902976455903047894835429096743239680.0/10
 Right Out: -16427.279+/-0.000 χ^2/NDF : 17497664990525804314439933995132913713152.0/16
 Left In: -32472.045+/-0.000 χ^2/NDF : 6559386601849495088258310306923846565888.0/10
 All: -1088.799+/-0.000 χ^2/NDF : 2272376029

dit_usl_coil1_err_mean vs Slug, Sign Corrected



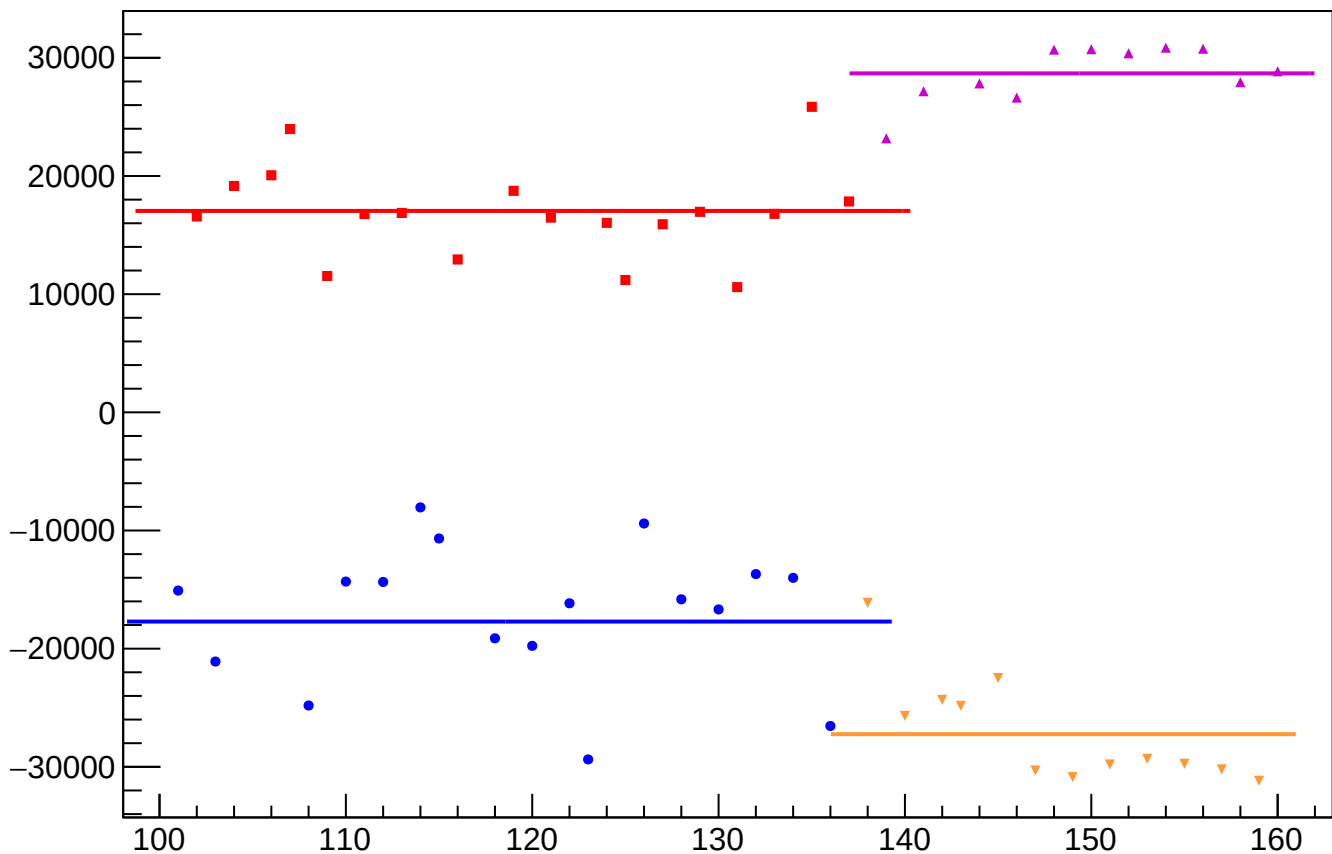
Left: -58.130 +/- 0.000 χ^2/NDF : 9743117138498523
 Right: -9.212 +/- 0.000 χ^2/NDF : 2794166429678019
 In: 270.749 +/- 0.000 χ^2/NDF : 5597253612487438
 Out: 209.612 +/- 0.000 χ^2/NDF : 5133499304109703
 All: -36.638 +/- 0.000 χ^2/NDF : 125559457835

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
 All: -50.947 $\pm$ 0.000 χ^2/NDF : 427442302234

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

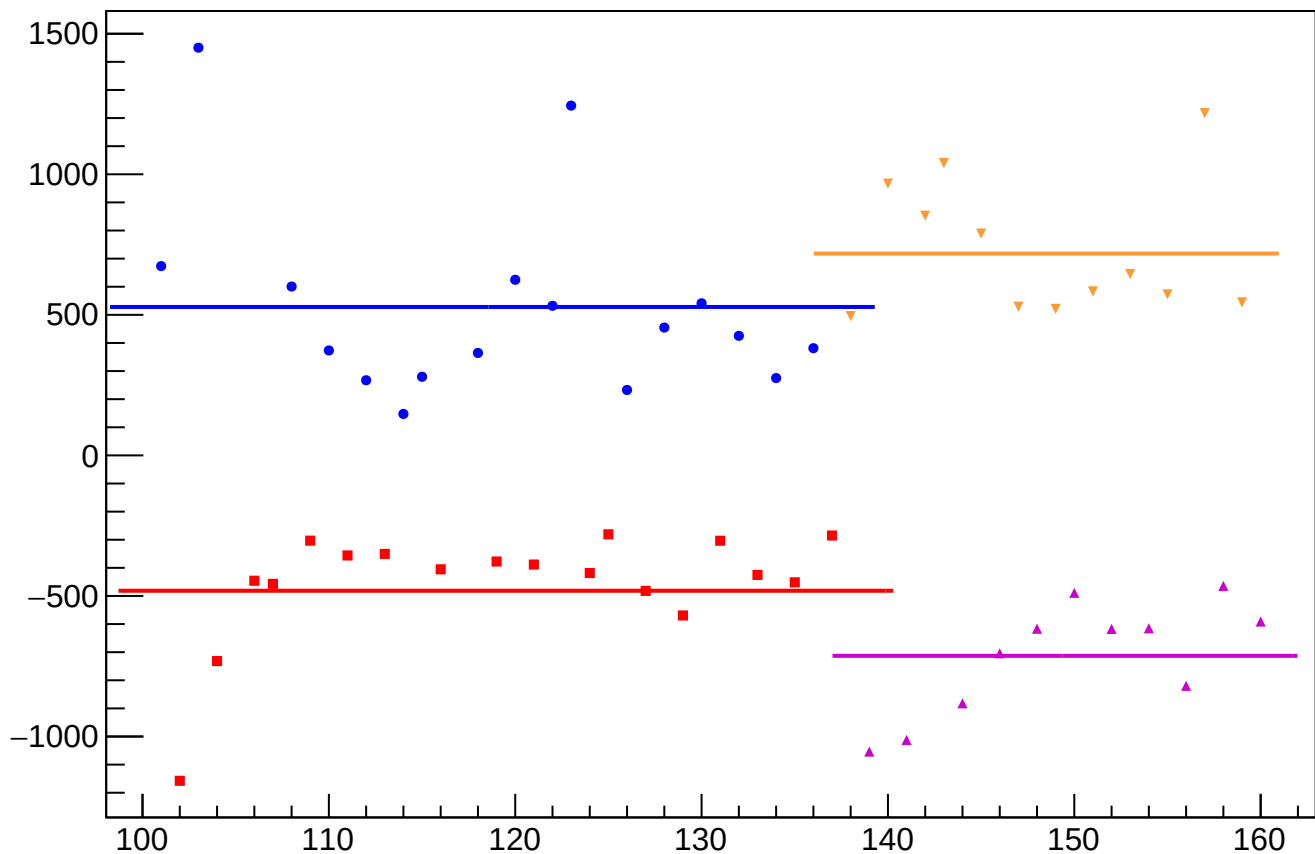
Right: -71.535+/-0.000 χ^2/NDF : 453717668983601

In: 8896.336+/-0.000 χ^2/NDF : 8787689036344538

Out: -7739.235+/-0.000 χ^2/NDF : 81313997076269

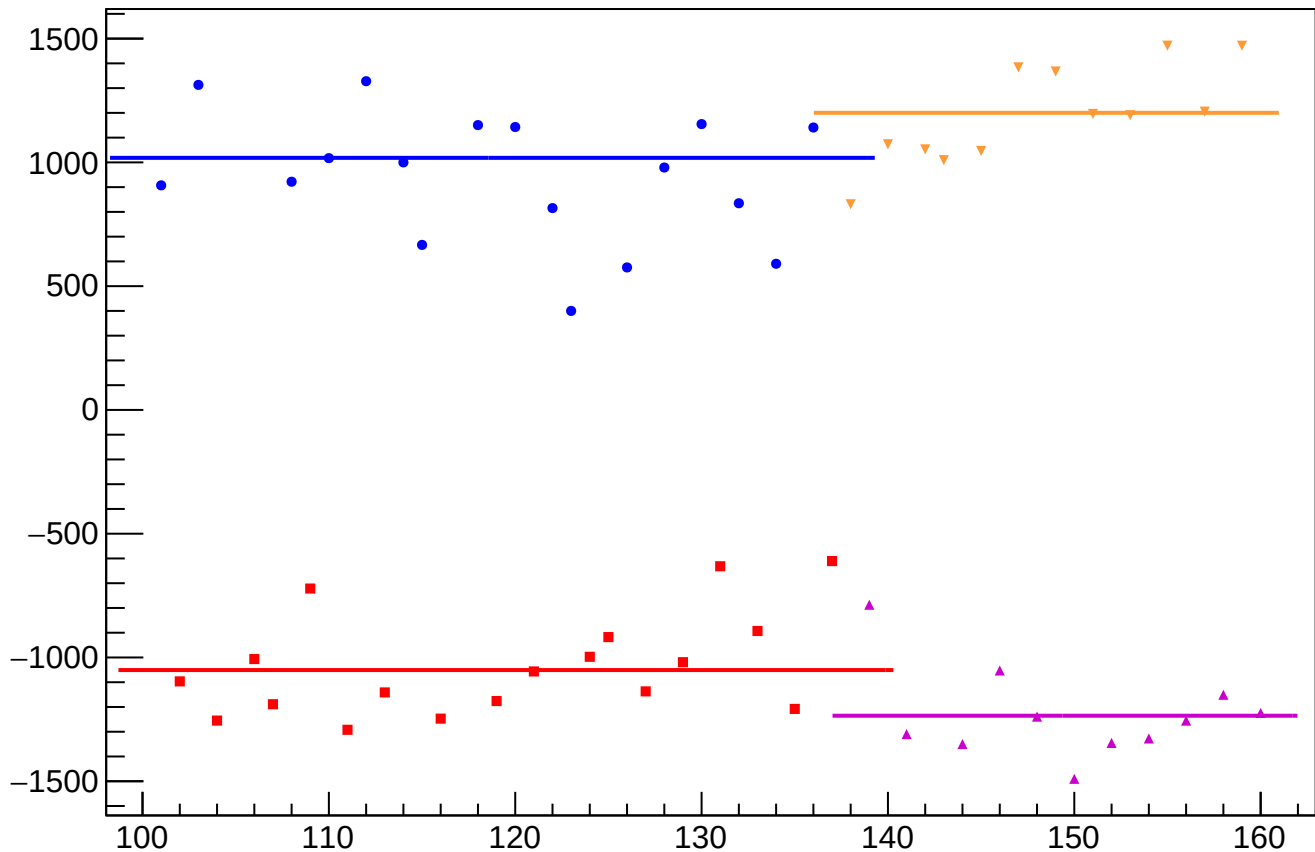
All: 586.226+/-0.000 χ^2/NDF : 191683093358

dit_usr_coil1_err_mean vs Slug, Sign Corrected



Left: -6.763 ± 0.000 $\chi^2/\text{NDF}: 10241293402202256$
 Right In: 528.041 ± 0.000 $\chi^2/\text{NDF}: 69659723827653646879006199384029265920.0/16$
 Left Out: 718.075 ± 0.000 $\chi^2/\text{NDF}: 47539185486125031464503975982300921856.0/11$
 Right Out: -481.423 ± 0.000 $\chi^2/\text{NDF}: 37781807344960782949995964438094544896.0/17$
 Left In: -712.956 ± 0.000 $\chi^2/\text{NDF}: 33715682233034029284600696449779367936.0/10$
 All: 3.010 ± 0.000 $\chi^2/\text{NDF}: 14908458943578$

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

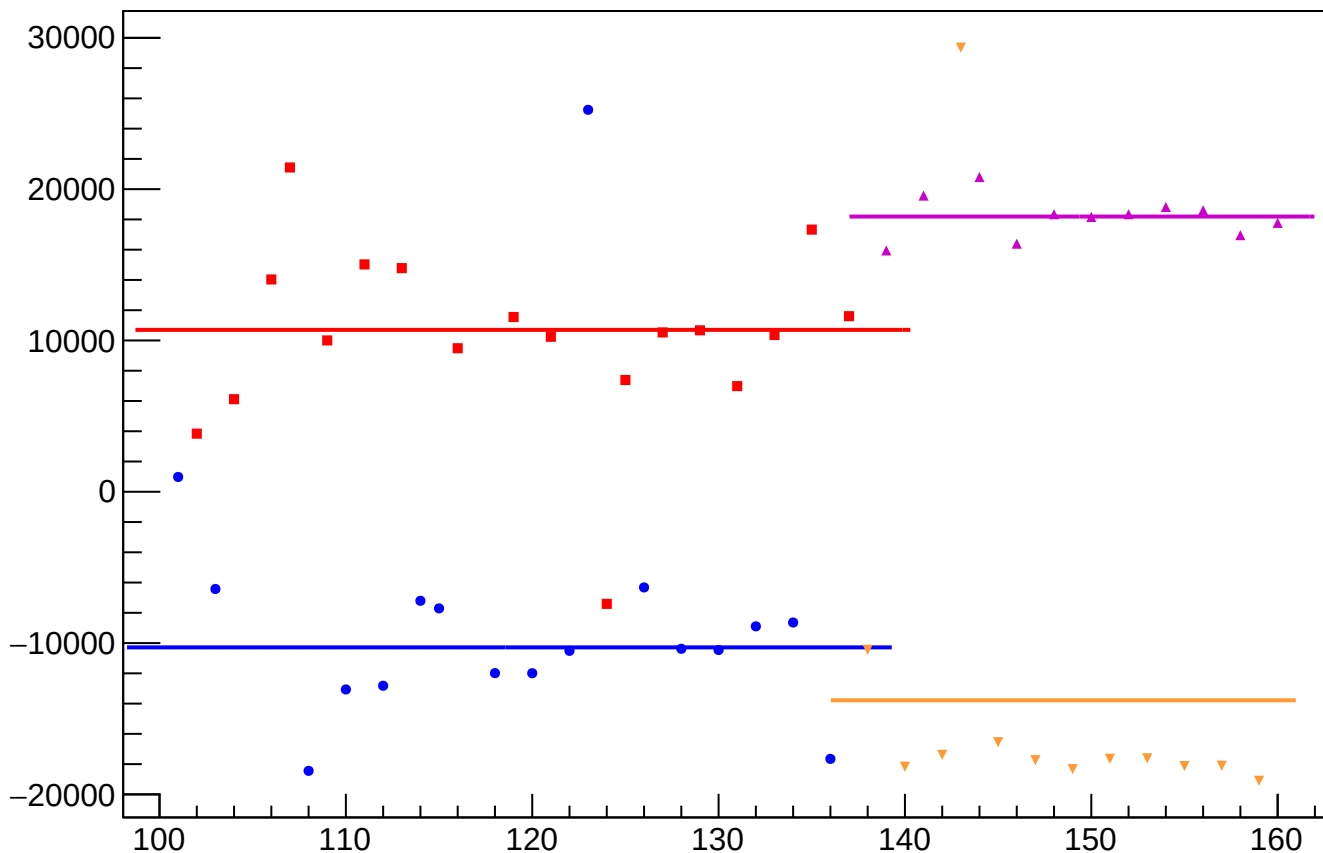
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

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

Left Out: -13780.875+/-0.000

Right Out: 10700.860+/-0.000

Left In: 18189.629+/-0.000

χ^2/NDF : 22542685724167344155071704935611221671936.0/16

χ^2/NDF : 138817330584648681822484556617162256547840.0/11

χ^2/NDF : 17608009820774086602629870631925827239936.0/17

χ^2/NDF : 1634139917822330923820252034017137786880.0/10

Left: 2412.654+/-0.000 χ^2/NDF : 611054666370734

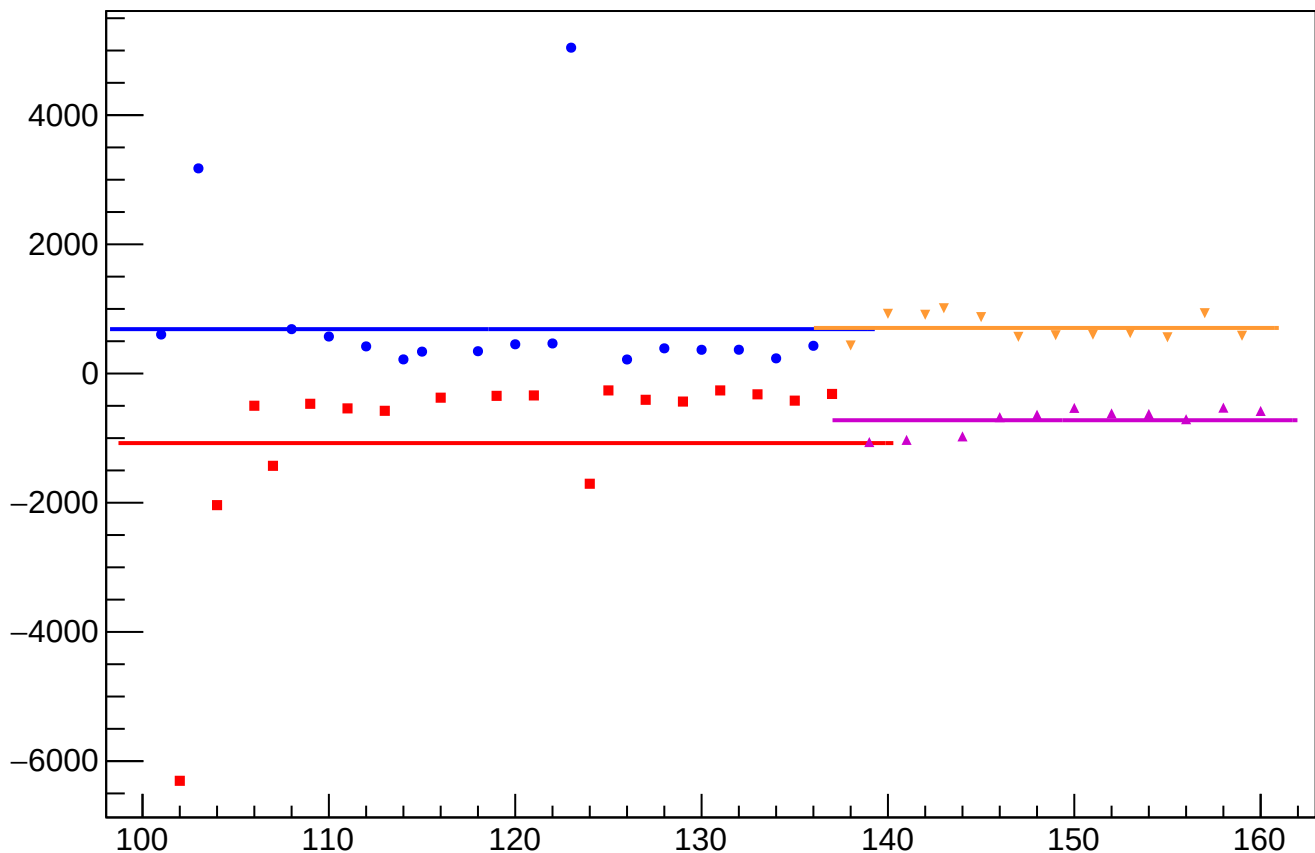
Right: 364.979+/-0.000 χ^2/NDF : 195229550865575

In: 6044.293+/-0.000 χ^2/NDF : 3468247016177401

Out: -3002.279+/-0.000 χ^2/NDF : 39629112865586

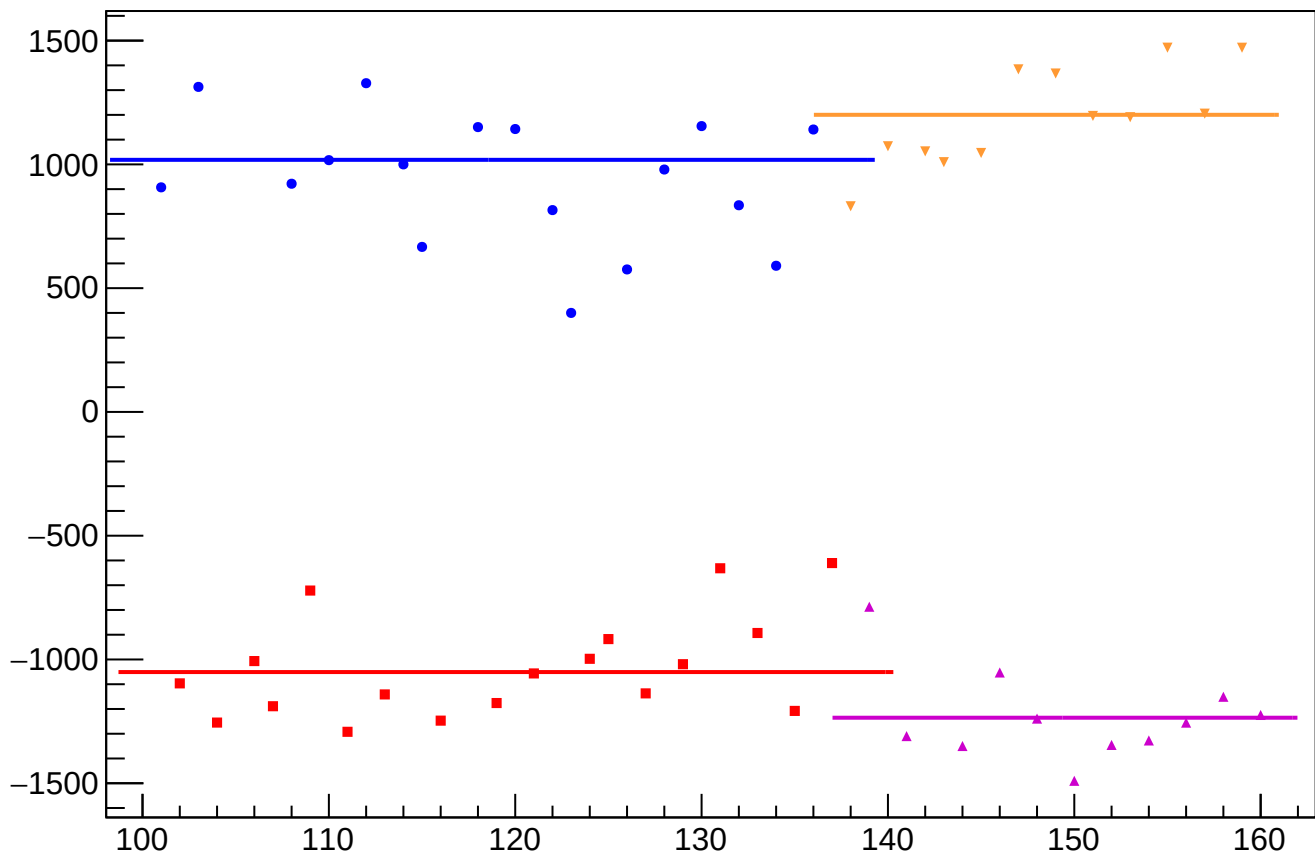
All: 1525.181+/-0.000 χ^2/NDF : 80963160115

dit_atl1_coil1_err_mean vs Slug, Sign Corrected



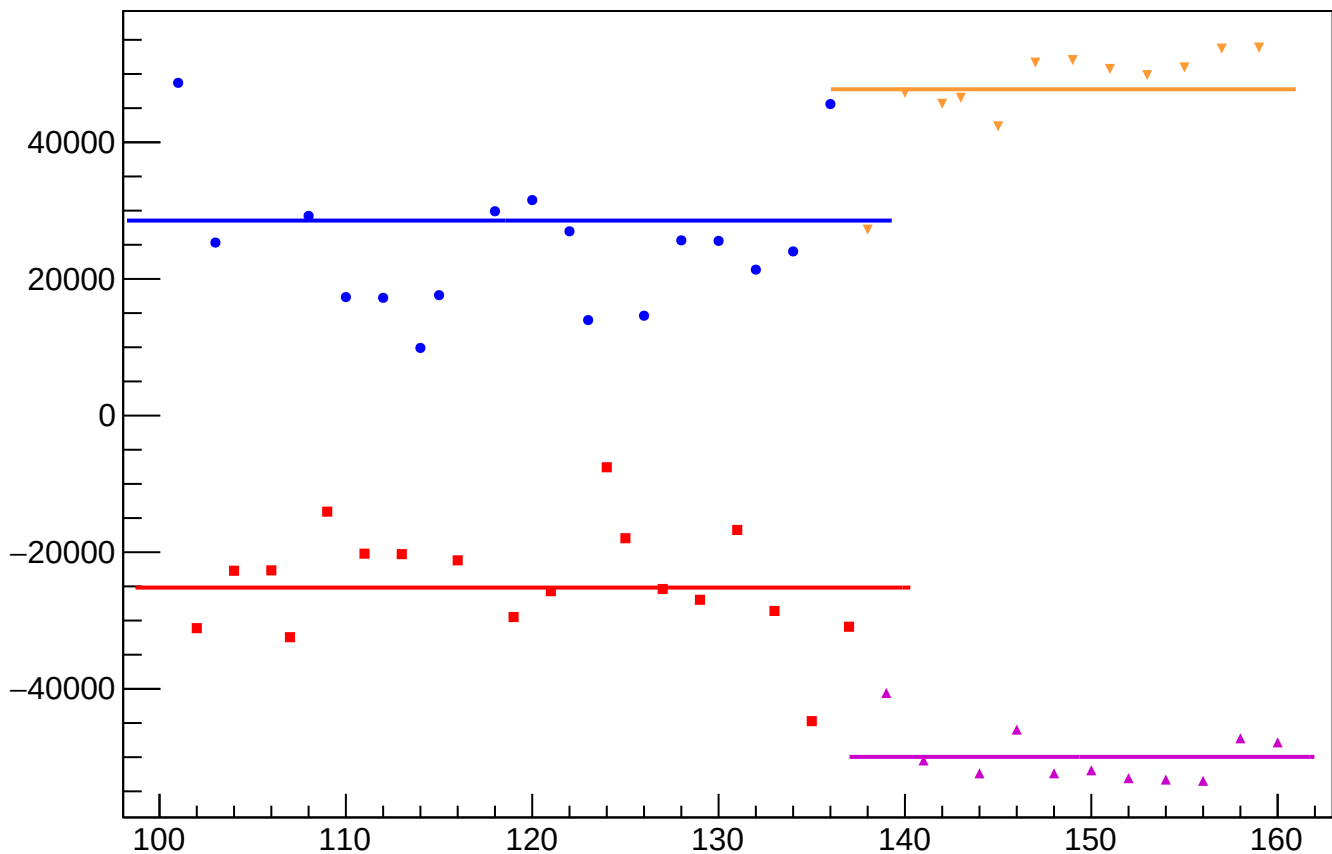
Right In: 686.989+/-0.000 χ^2/NDF : 493304193623954738914781428530632720384.0/16
 Left Out: 705.686+/-0.000 χ^2/NDF : 30616664019236375652772902235296235520.0/11
 Right Out: -1076.905+/-0.000 χ^2/NDF : 1898129082549914246384223466564869947392.0/17
 Left In: -722.981+/-0.000 χ^2/NDF : 33412765649158577967580020065397899264.0/10
 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 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_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

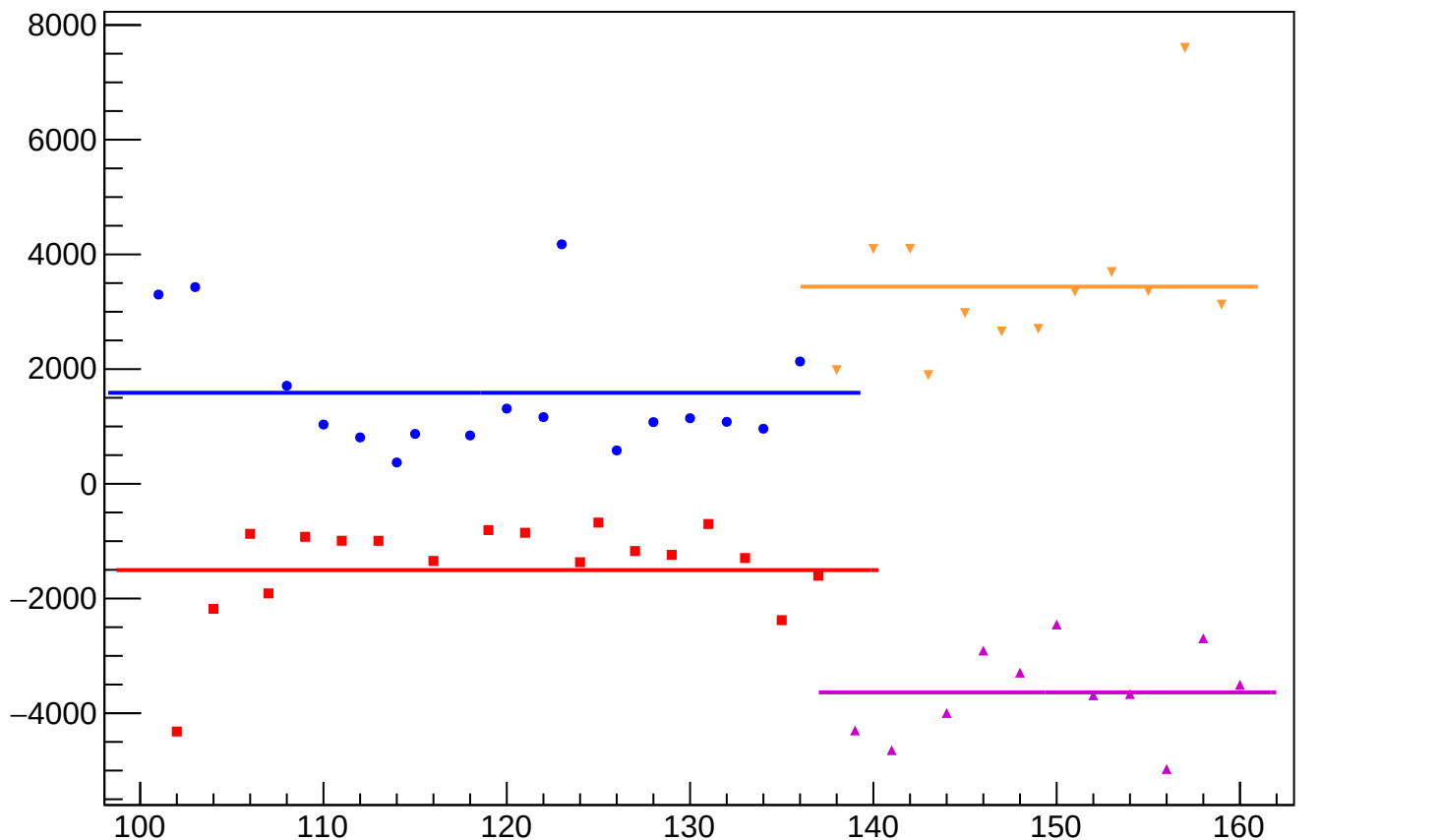
χ^2/NDF : 42747079455180569490134671830323044548608.0/17

Left In: -49953.612+/-0.000

χ^2/NDF : 13577033864383990821014727544731703705600.0/10

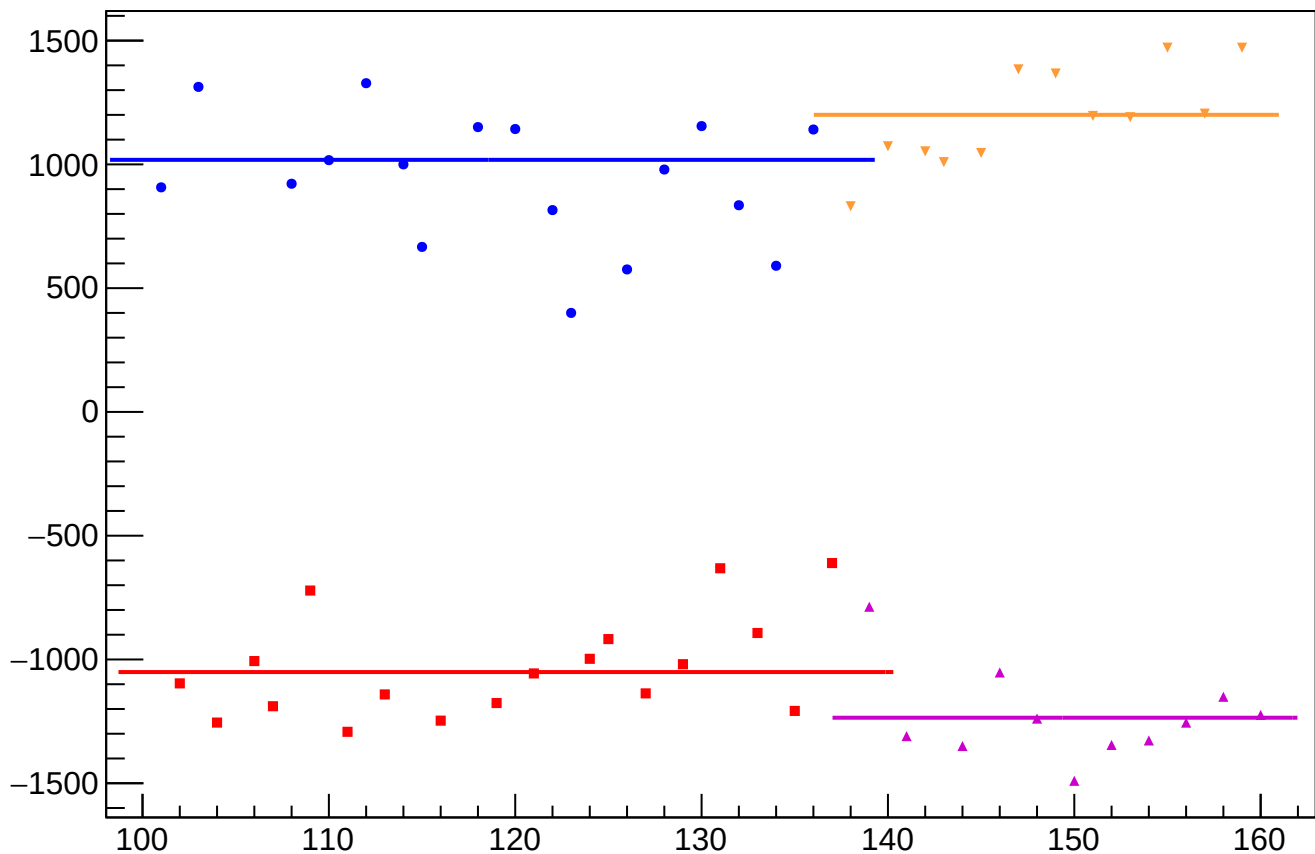
All: -424.000+/-0.000 χ^2/NDF : 56012725054

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

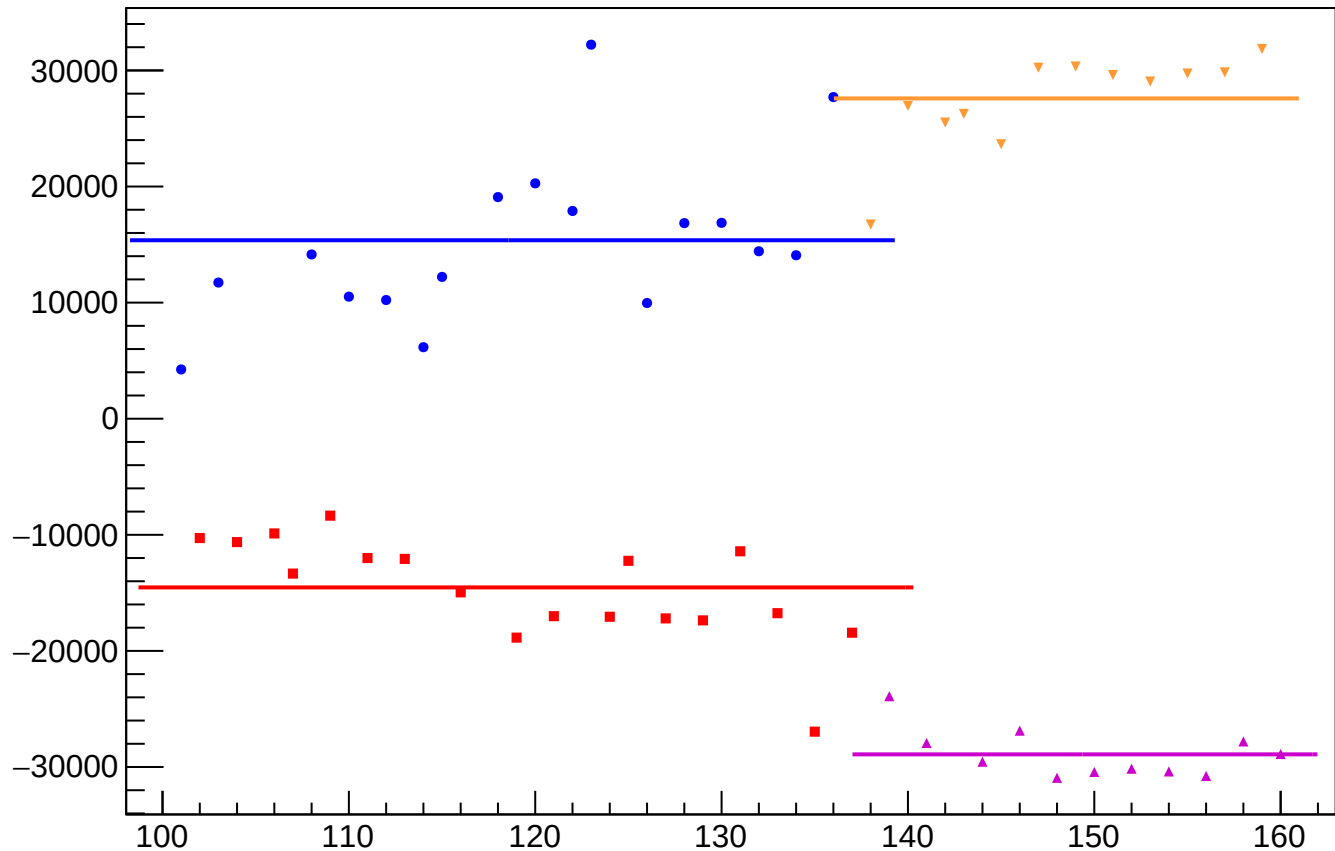
χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

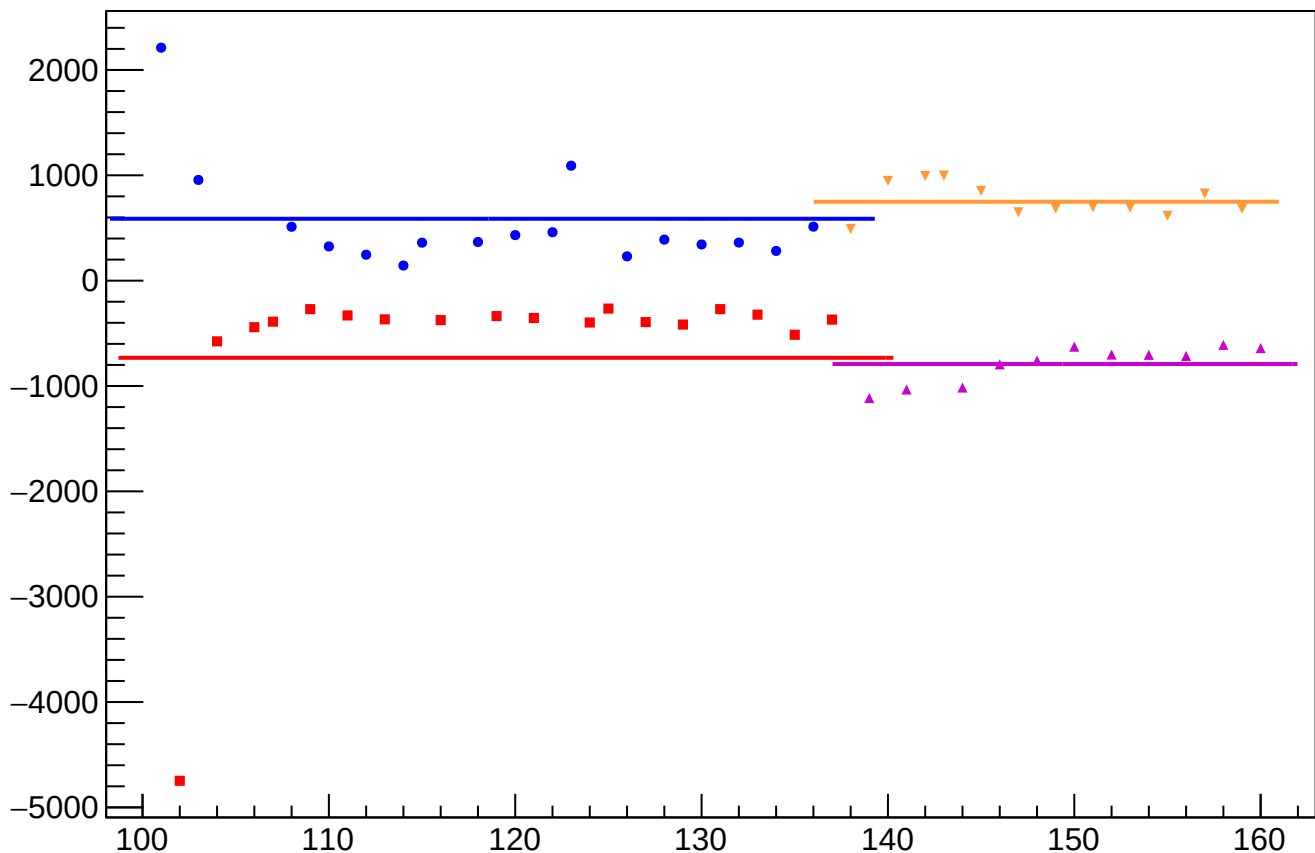
Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514
 Right: -31.639+/-0.000 χ^2/NDF : 156759750862946
 In: -273.986+/-0.000 χ^2/NDF : 2083200596416121
 Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_atr1_coil1_mean vs Slug, Sign Corrected



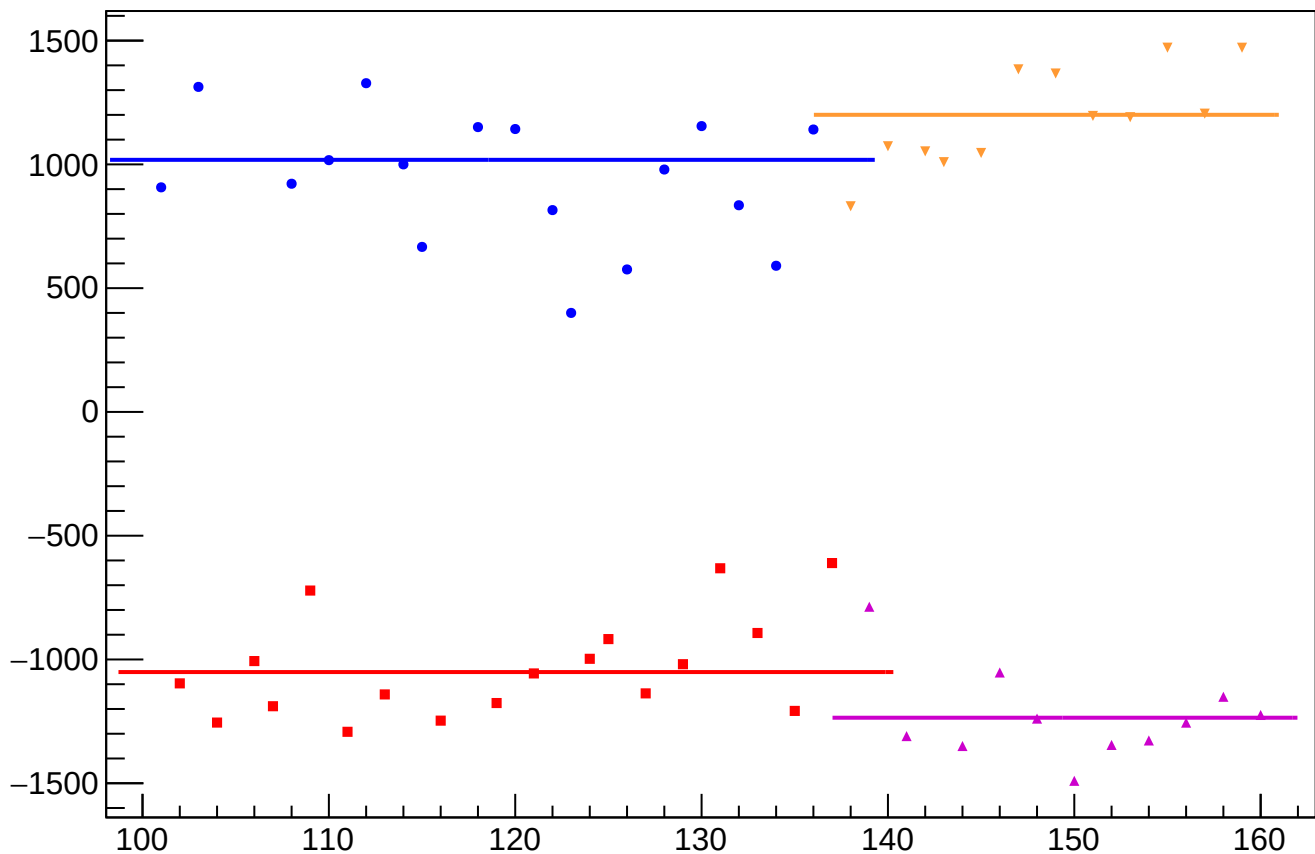
Right In: 15371.957+/-0.000 χ^2/NDF : 29284474571084462407736251938608521412608.0/16
 Left Out: 27590.549+/-0.000 χ^2/NDF : 14629897493361033715378591637422508867584.0/11
 Right Out: -14530.553+/-0.000 χ^2/NDF : 15462988113686651104588076983529515253760.0/17
 Left In: -28911.407+/-0.000 χ^2/NDF : 3750623516154684604168342640620271042560.0/10
 All: -496.998+/-0.000 χ^2/NDF : 18491099941

dit_atr1_coil1_err_mean vs Slug, Sign Corrected



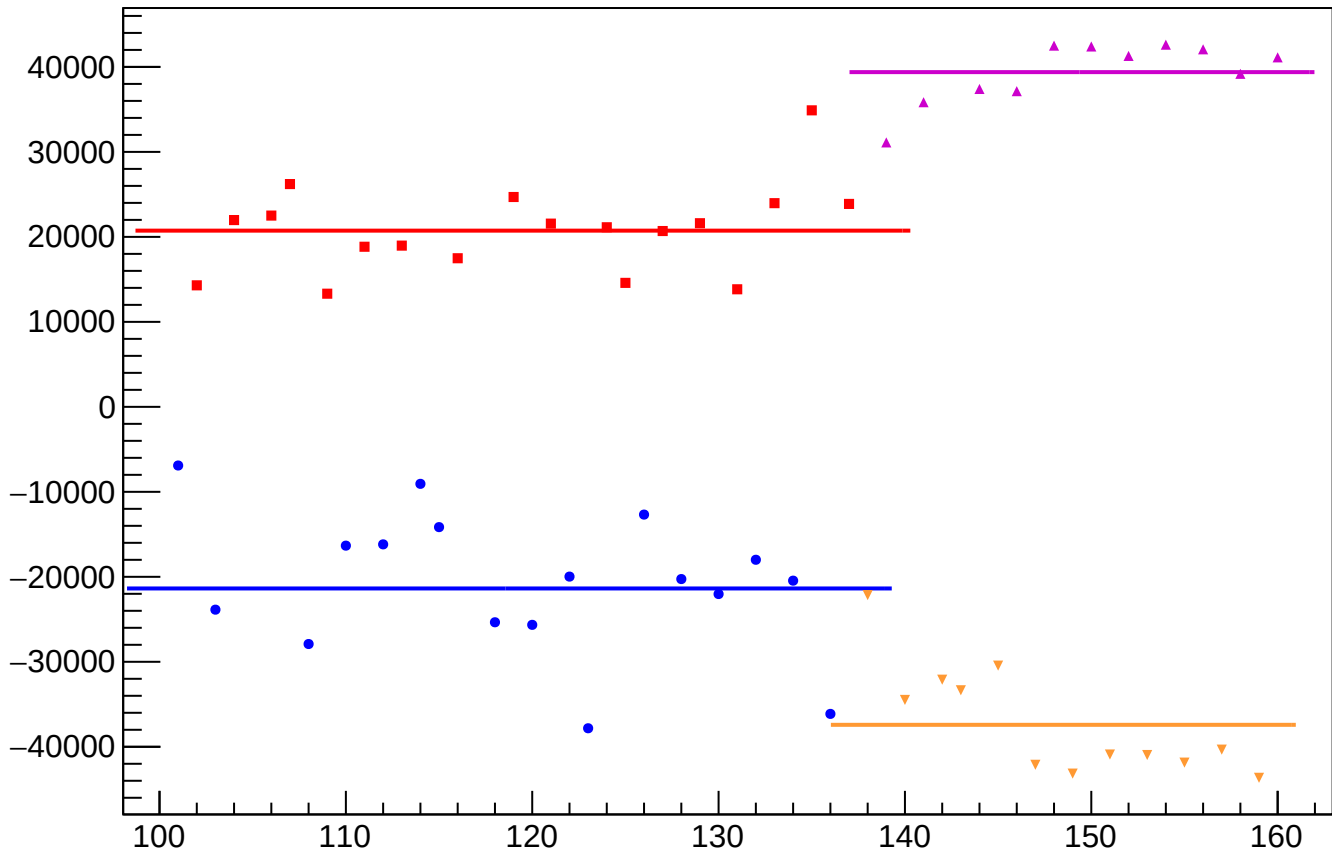
Right In: 587.577+/-0.000 χ^2/NDF : 195107984512310448986091727250308202496.0/16
 Left Out: 749.082+/-0.000 χ^2/NDF : 19986493434775093751754489968960995328.0/11
 Right Out: -732.166+/-0.000 χ^2/NDF : 1022613131551712750449458449642369843200.0/17
 Left In: -791.279+/-0.000 χ^2/NDF : 26822559207642096711518423492795039744.0/10
 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

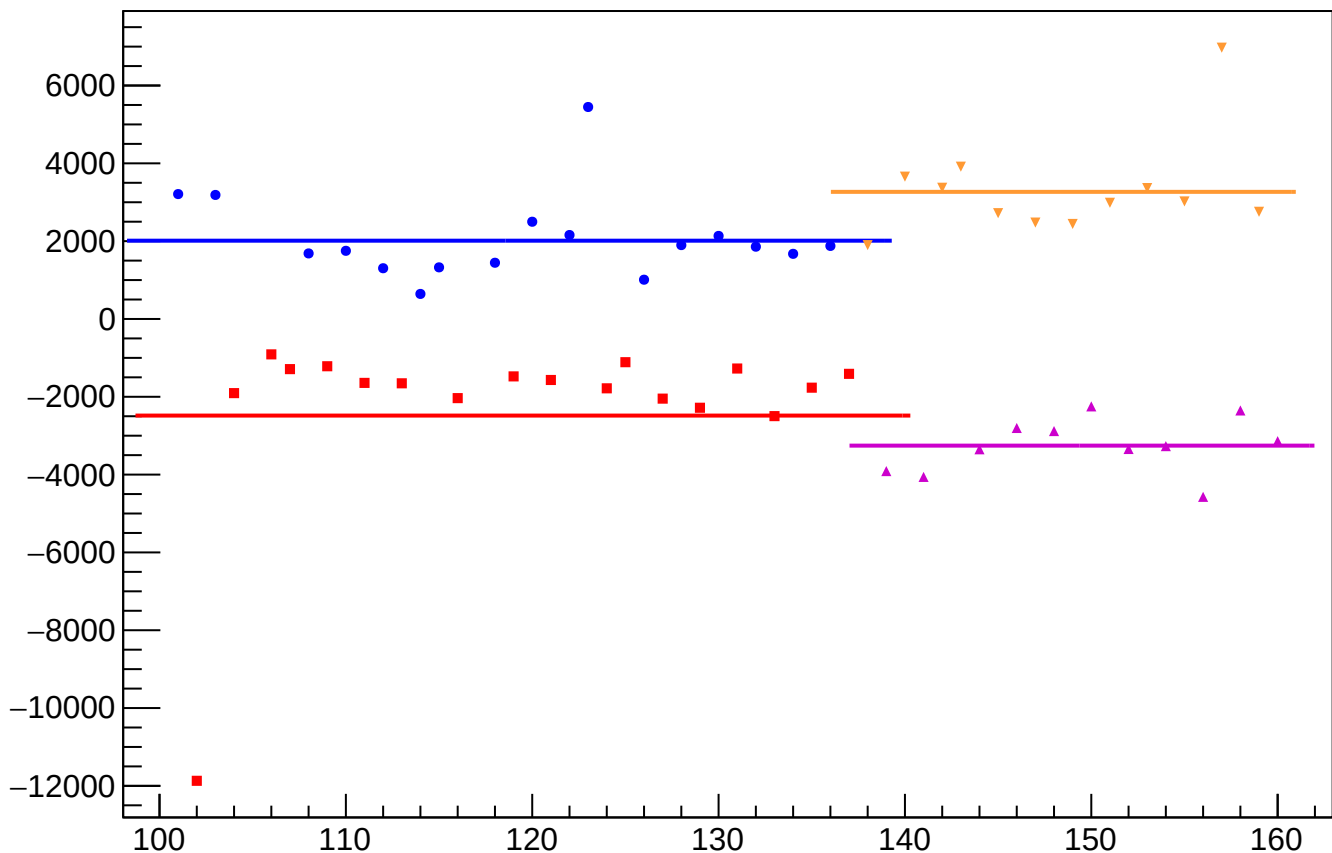
Right: -3.896+/-0.000 χ^2/NDF : 6900950472840911

In: 13470.807+/-0.000 χ^2/NDF : 152466323892427

Out: -11813.491+/-0.000 χ^2/NDF : 1411448108237

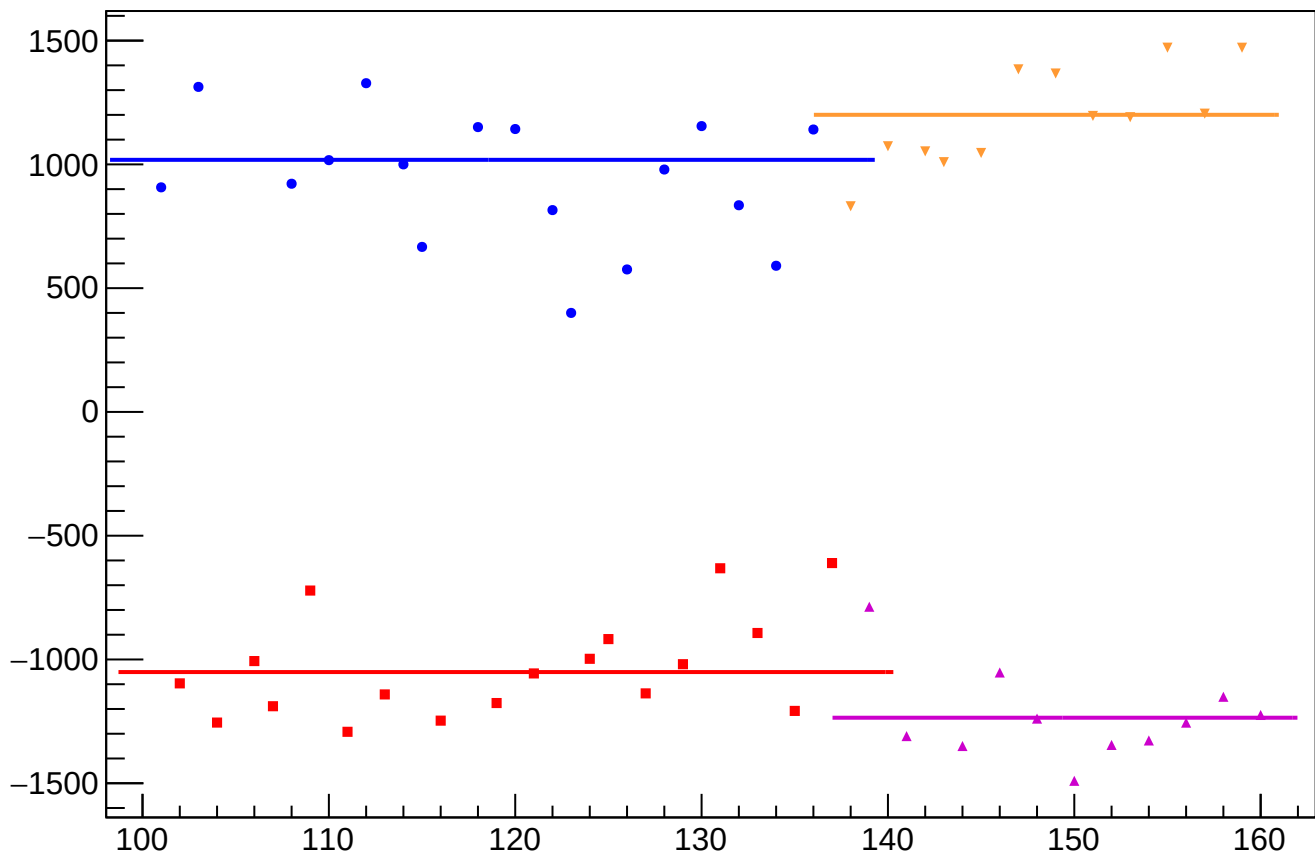
All: 840.324+/-0.000 χ^2/NDF : 345569852964

dit_atr2_coil1_err_mean vs Slug, Sign Corrected



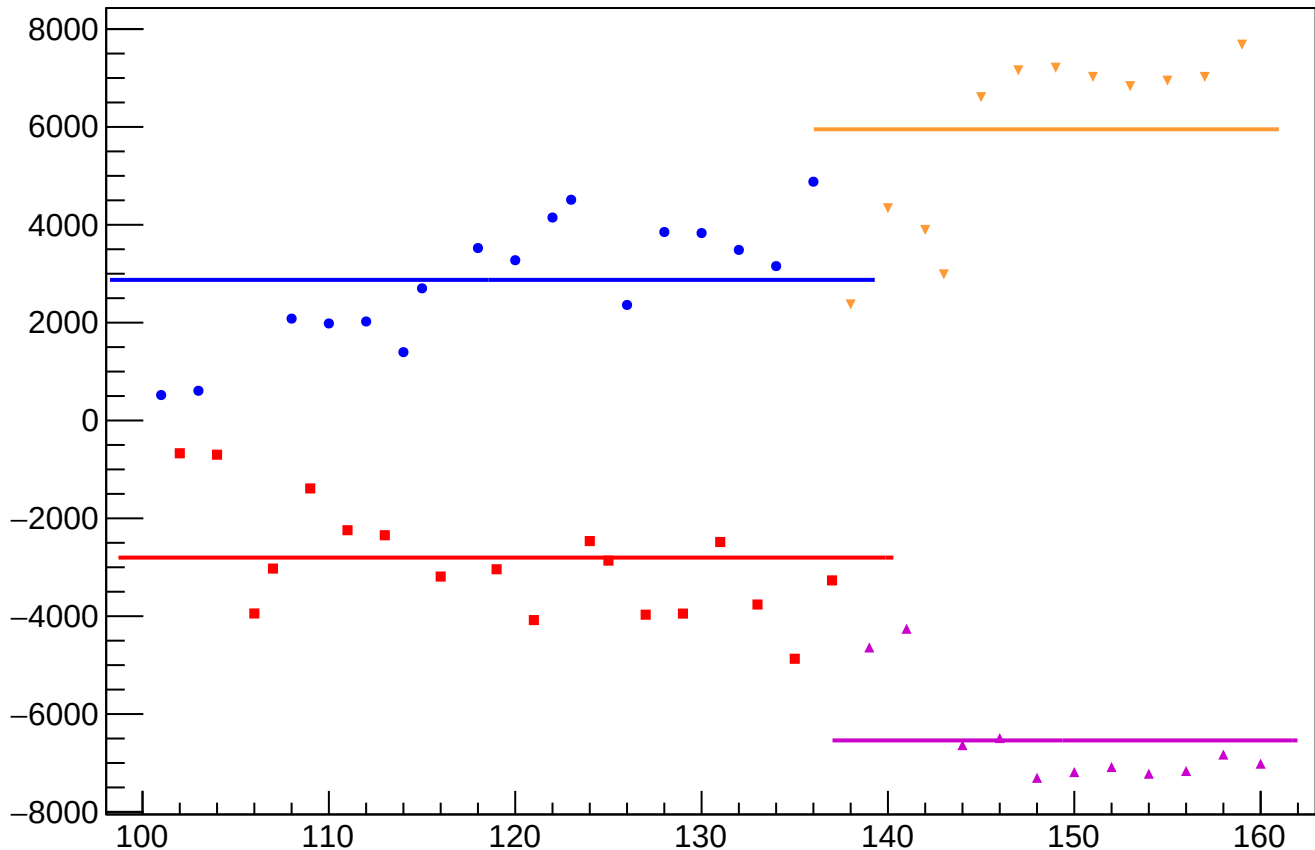
Right In: 2011.970+/-0.000 χ^2/NDF : 346652592308673178727003456260959895552.0/16
 Left Out: 3267.187+/-0.000 χ^2/NDF : 1365364759229998432134037030614341779456.0/11
 Right Out: -2482.921+/-0.000 χ^2/NDF : 5673812113008855047349052904680066121728.0/17
 Left In: -3255.280+/-0.000 χ^2/NDF : 418327011986445588651238941523934445568.0/10
 All: -137.276+/-0.000 χ^2/NDF : 34550109983

dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected



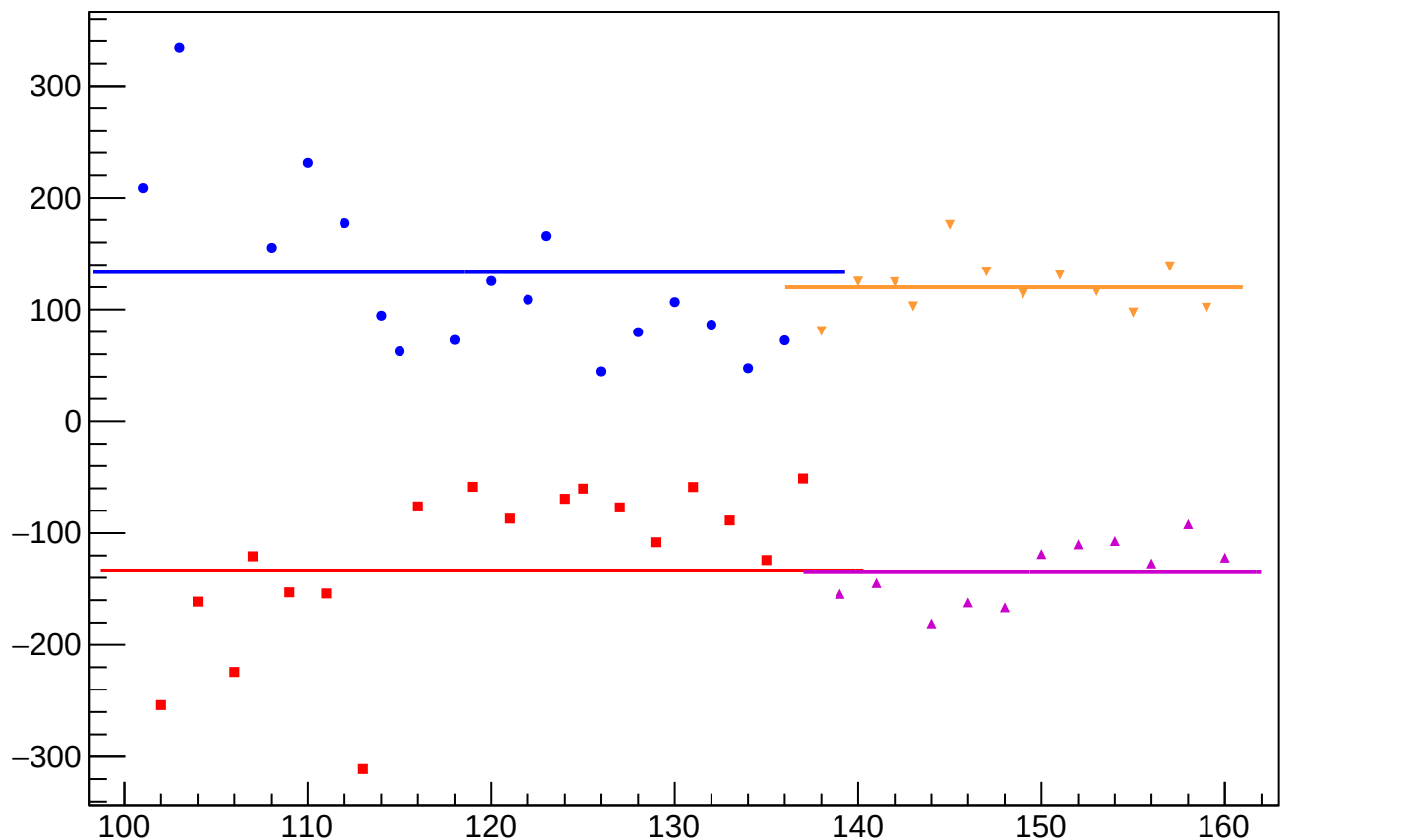
Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam1_coil1_mean vs Slug, Sign Corrected



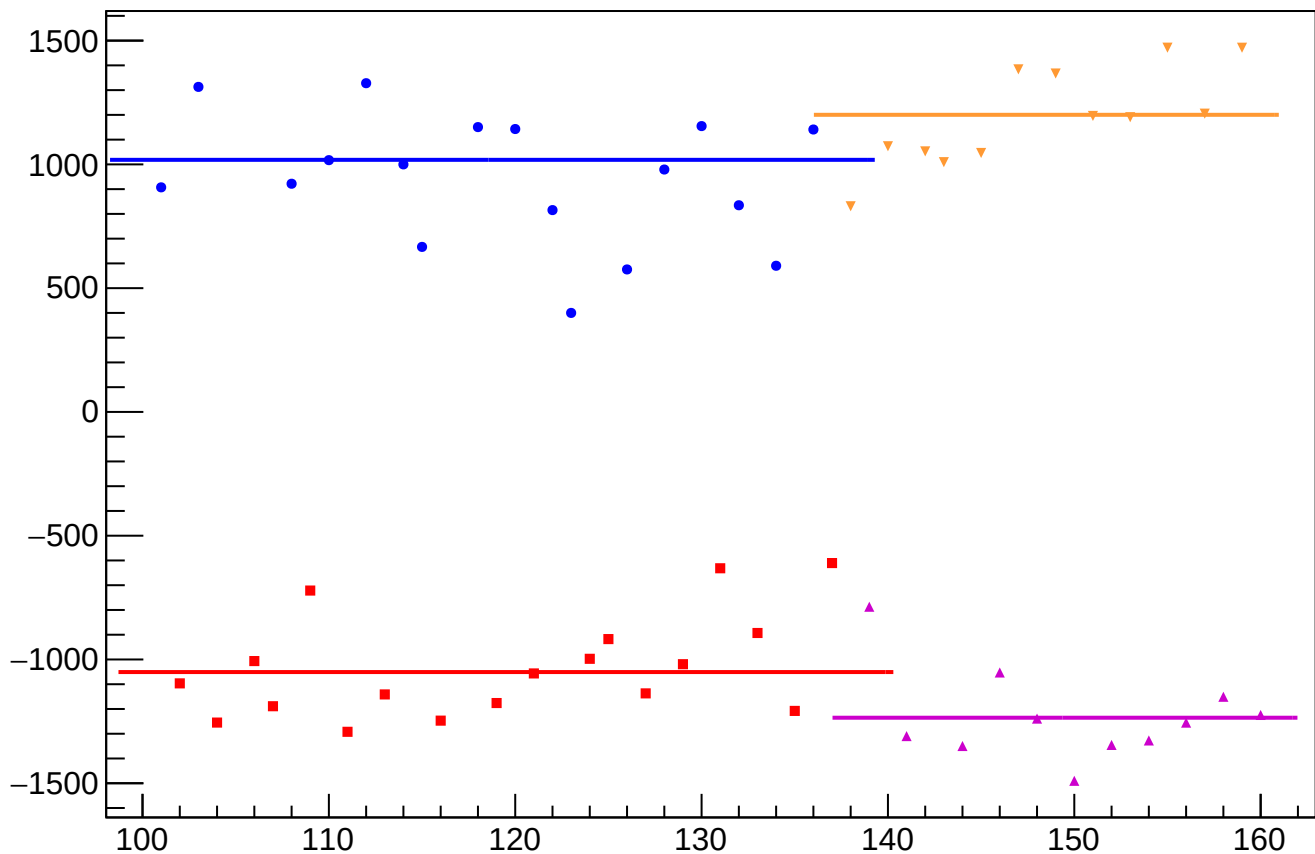
Right In: 2874.142 $\pm$ 0.000 χ^2 /NDF: 1331222919424099285024540359740568371200.0/16
 Left Out: 5952.071 $\pm$ 0.000 χ^2 /NDF: 2833818943109615822191848442455285301248.0/11
 Right Out: -2802.151 $\pm$ 0.000 χ^2 /NDF: 1095477572477657195402092119674444578816.0/17
 Left In: -6539.067 $\pm$ 0.000 χ^2 /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 $\chi^2/\text{NDF}: 4543635536863363524362136904007680000.0/16$
 Left Out: 119.938 ± 0.000 $\chi^2/\text{NDF}: 506287177502147090737971040893272064.0/11$
 Right Out: -133.414 ± 0.000 $\chi^2/\text{NDF}: 3923674220000100911612282920536899584.0/17$
 Left In: -134.936 ± 0.000 $\chi^2/\text{NDF}: 683742897306443646966443406983692288.0/10$
 All: -6.024 ± 0.000 $\chi^2/\text{NDF}: 6470622923911$

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

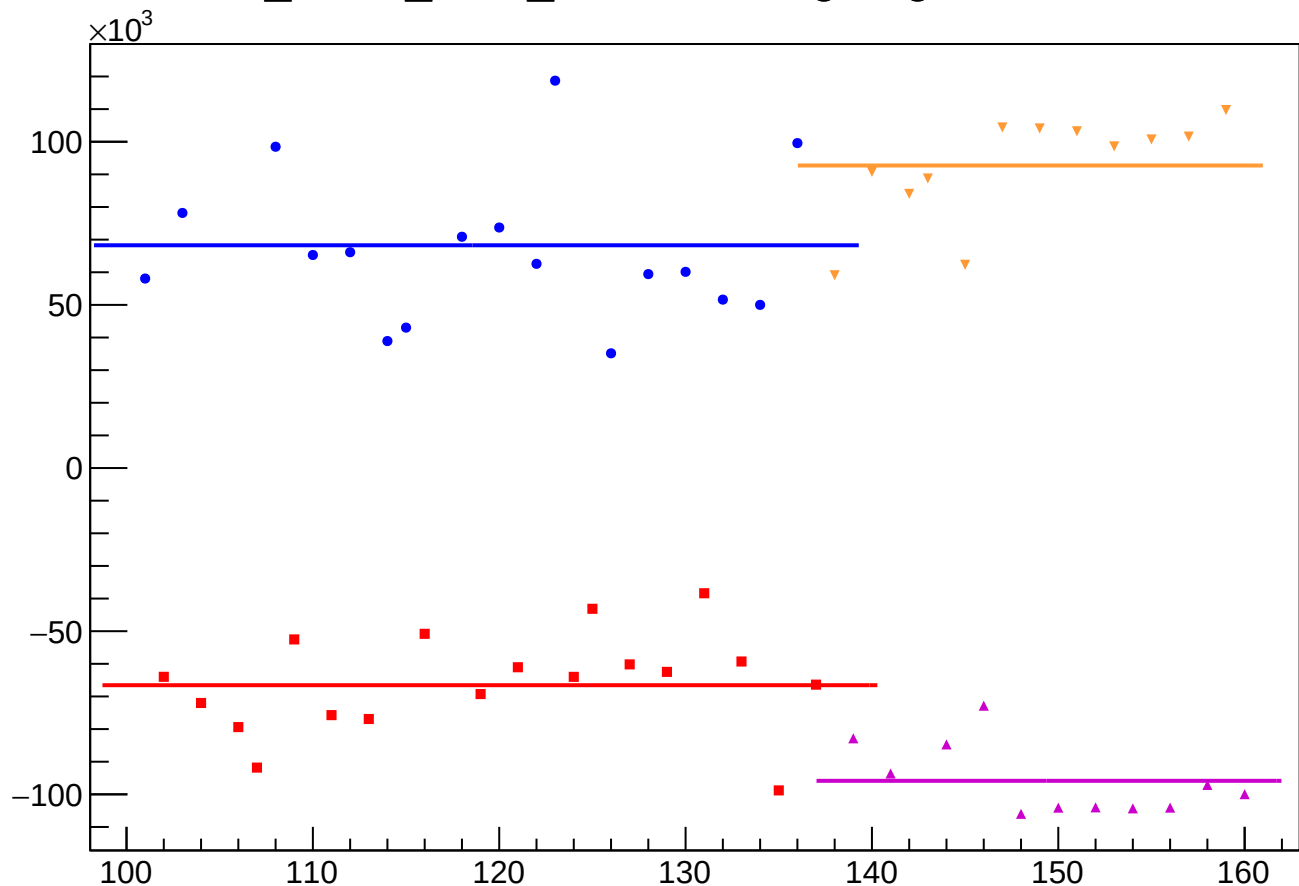
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

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



Right In: 68271.144 $\pm$ 0.000

χ^2/NDF : 235026660939690757848337831565145453625344.0/16

Left Out: 92717.908 $\pm$ 0.000

χ^2/NDF : 232153760216632352324453742795605416083456.0/11

Right Out: -66552.333 $\pm$ 0.000

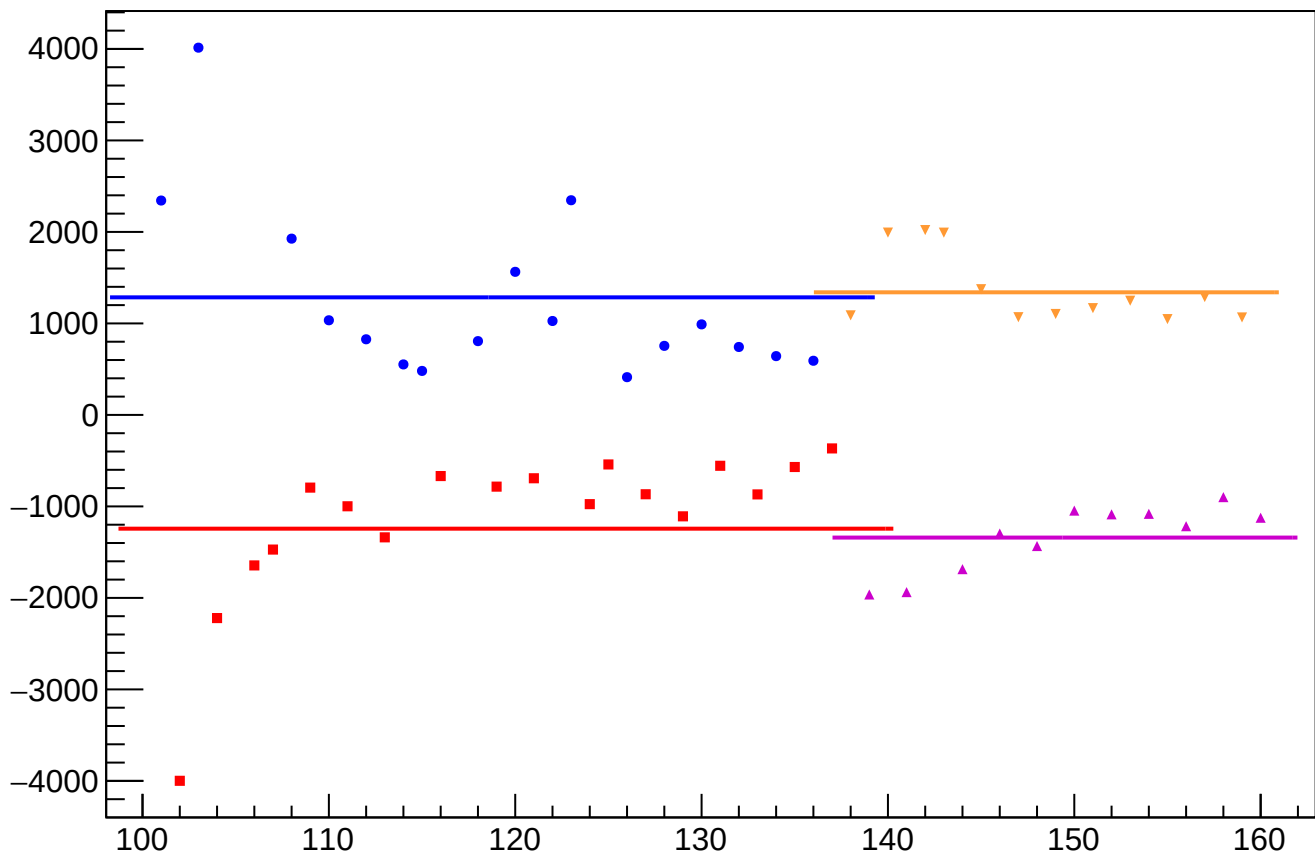
χ^2/NDF : 160169834970936771160063883899631076114432.0/17

Left In: -95856.790 $\pm$ 0.000

χ^2/NDF : 102994954285402902924974022528111745171456.0/10

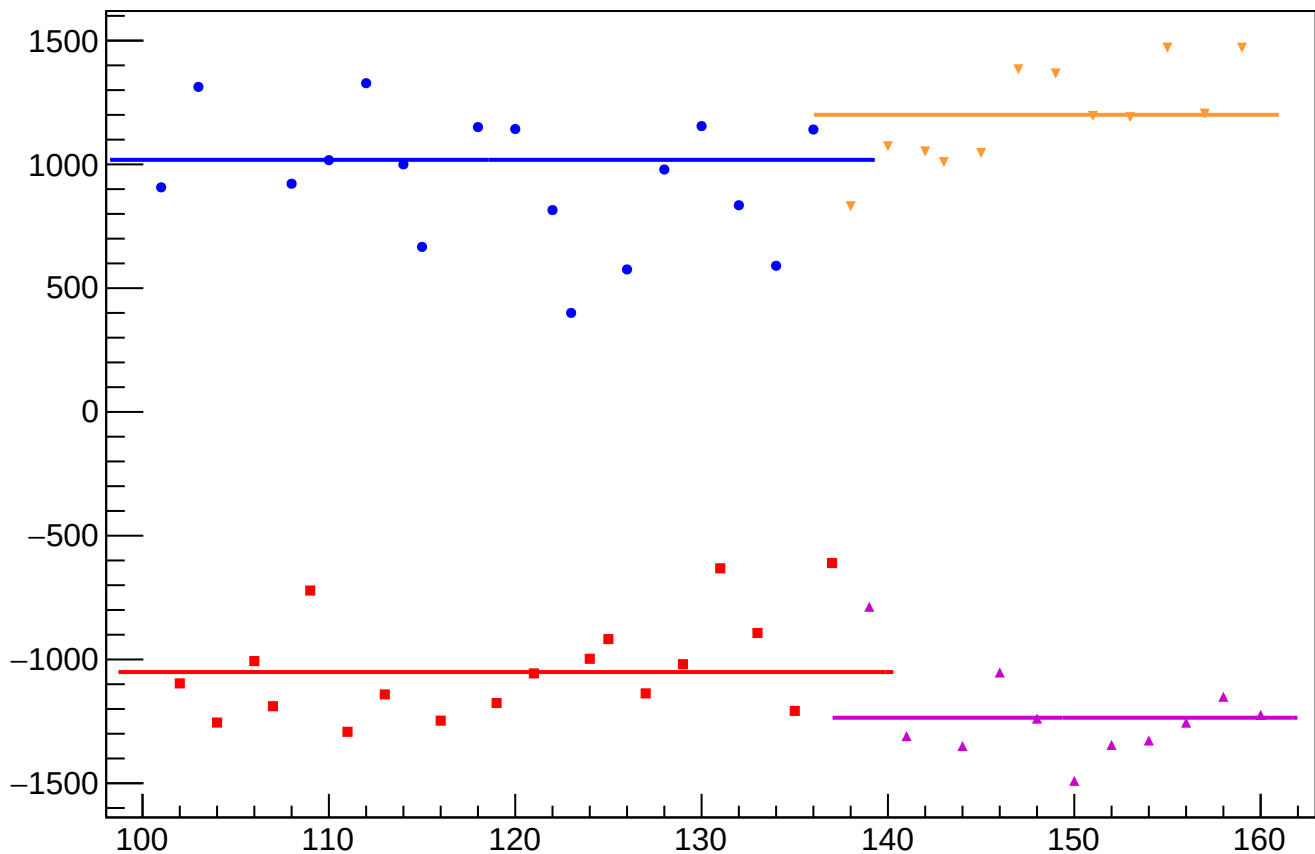
All: -1648.278 $\pm$ 0.000 χ^2/NDF : 2351031089

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

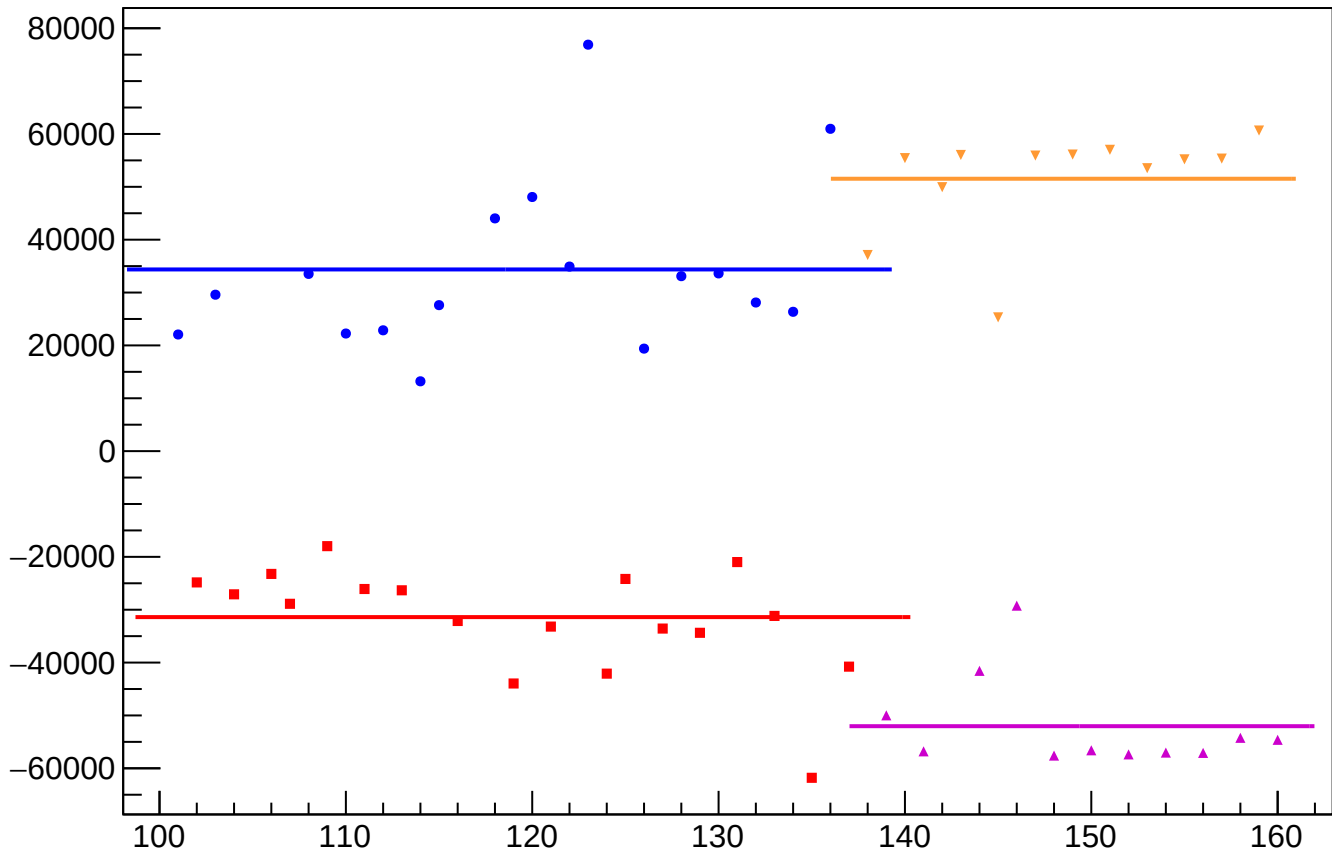
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

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

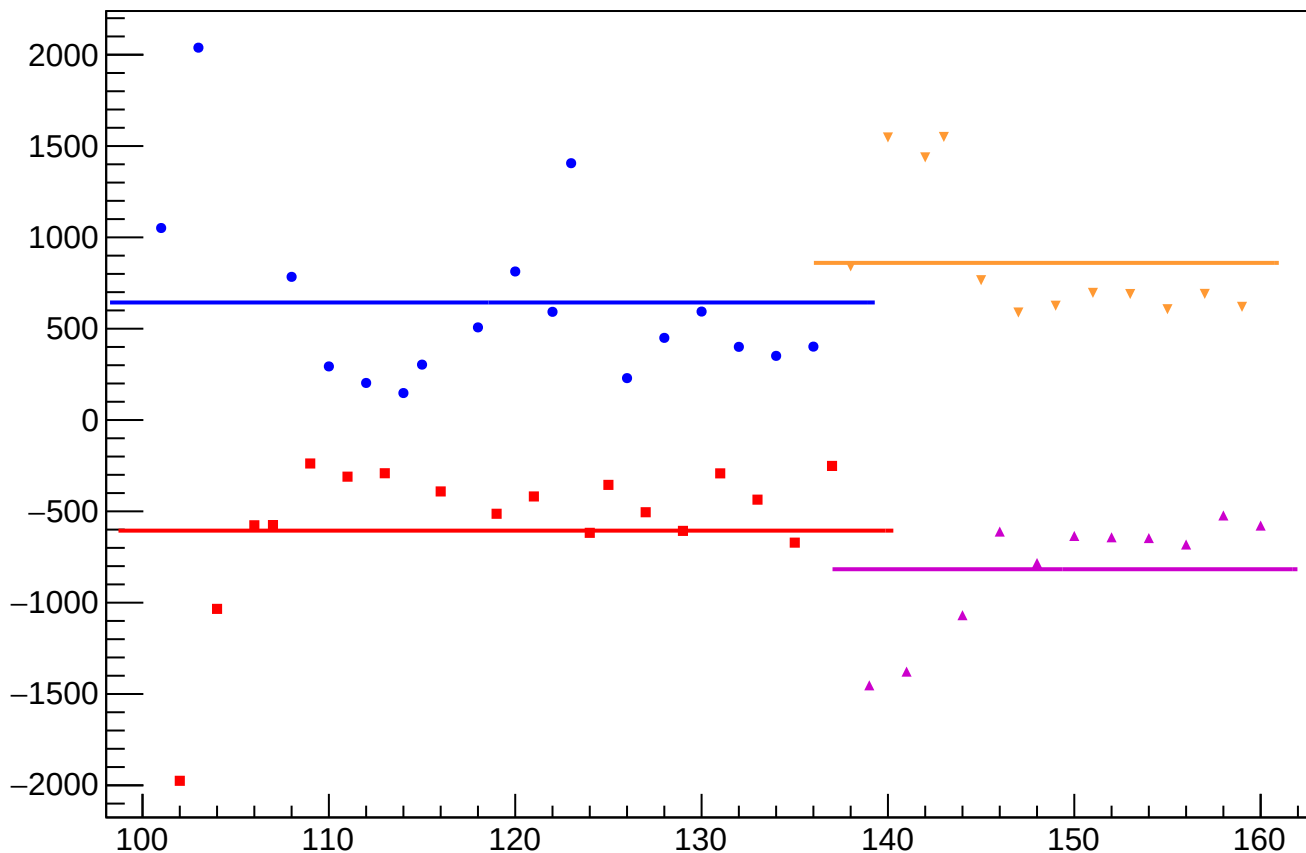
χ^2/NDF : 79791187049723357576303825736183029170176.0/17

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

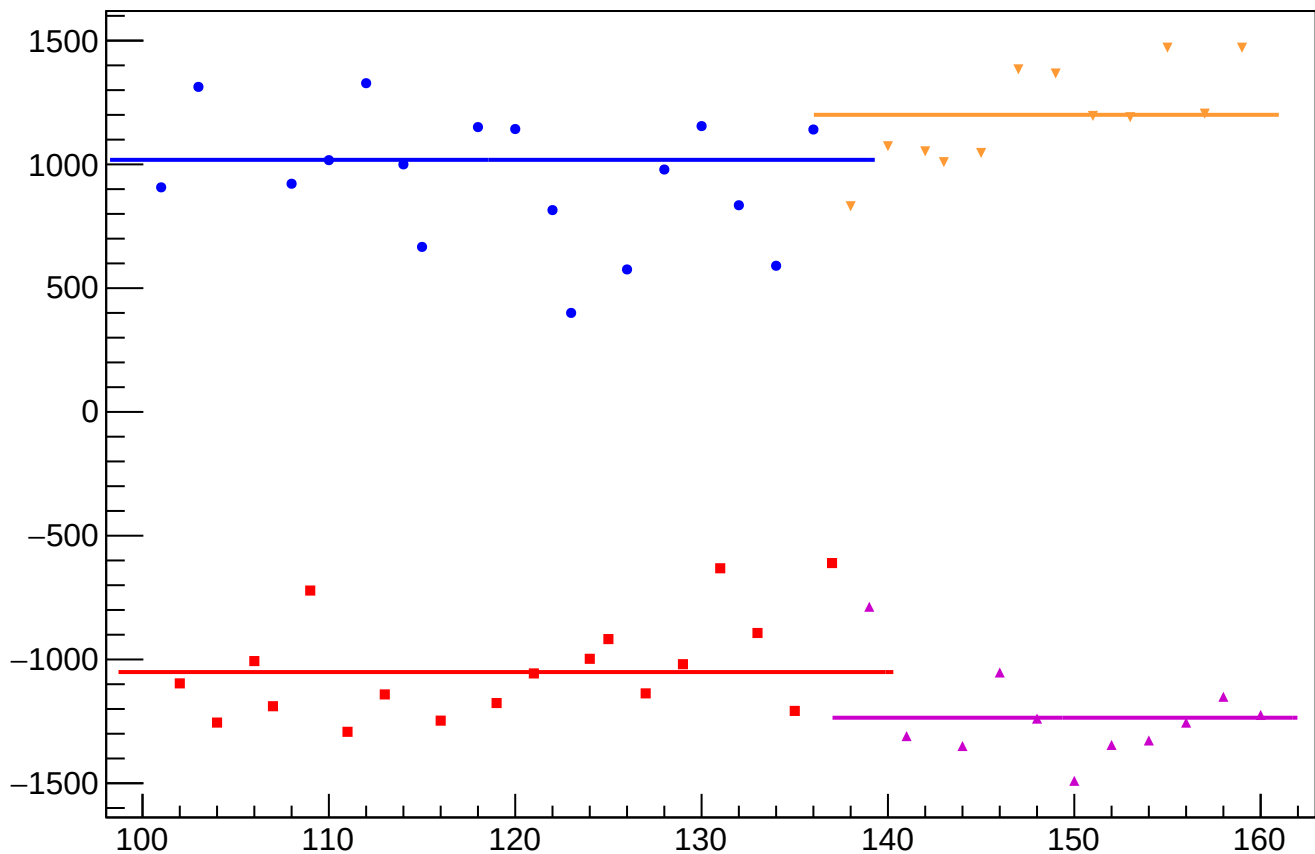
χ^2/NDF : 146641318103644748879900892058773094400.0/17

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

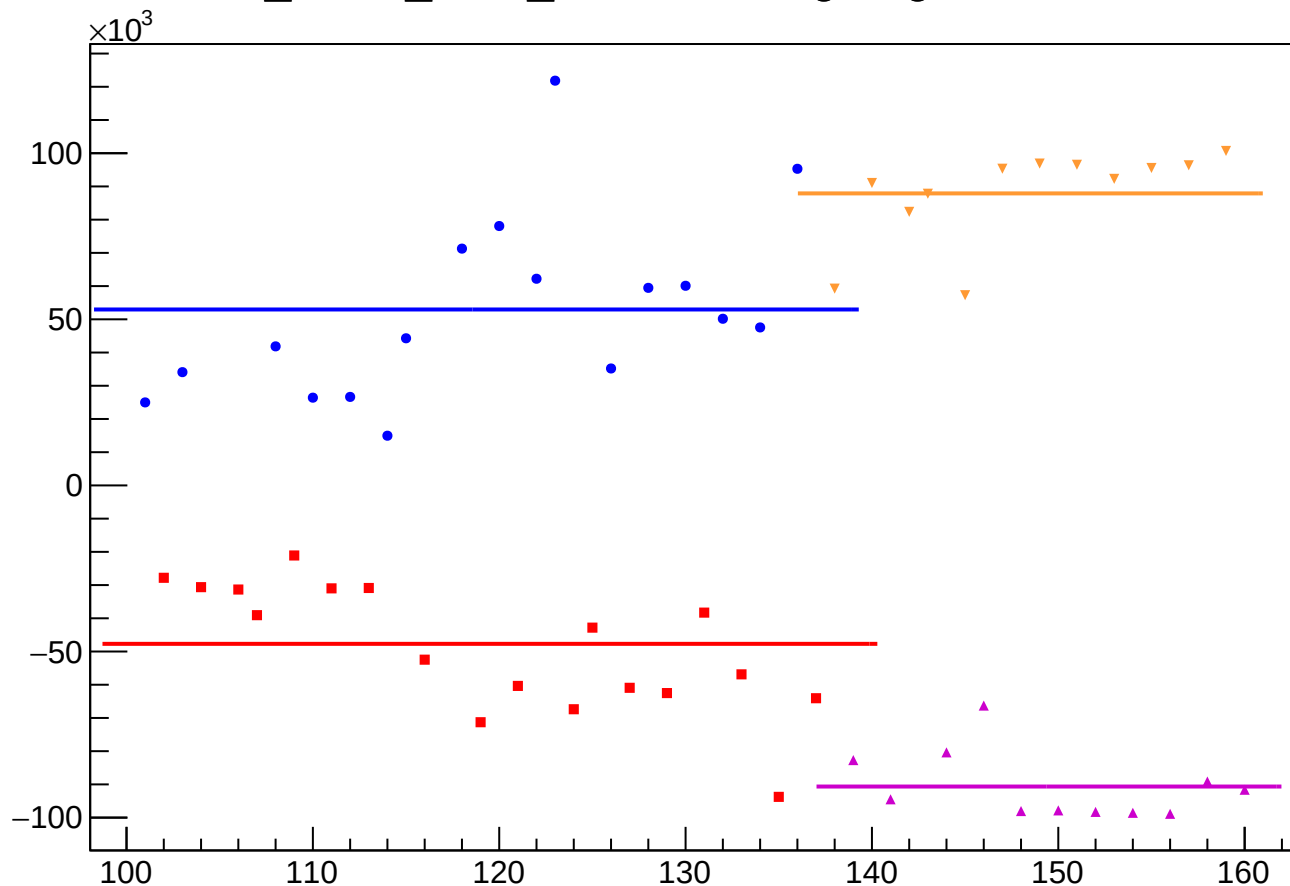
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

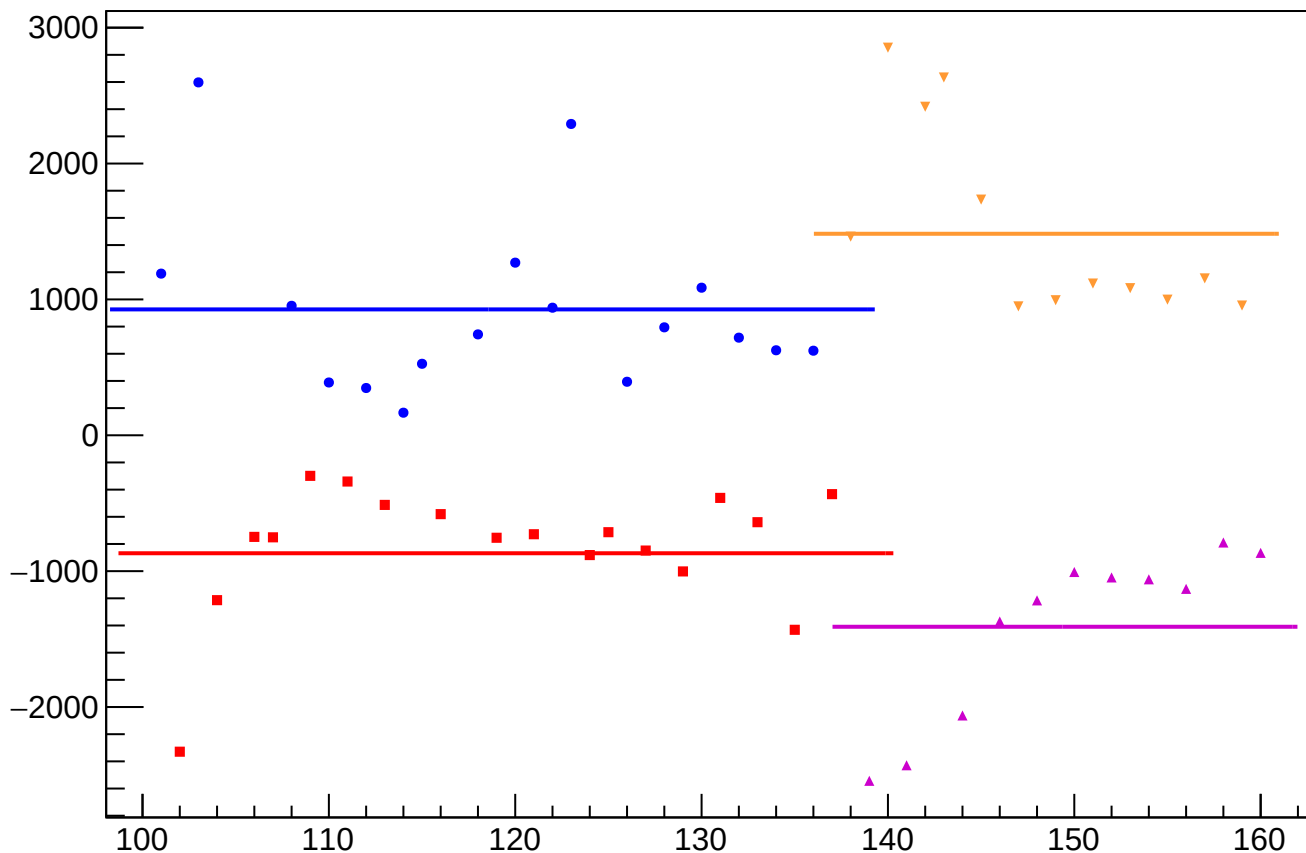
All: -32.624+/-0.000 χ^2/NDF : 436195009310

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

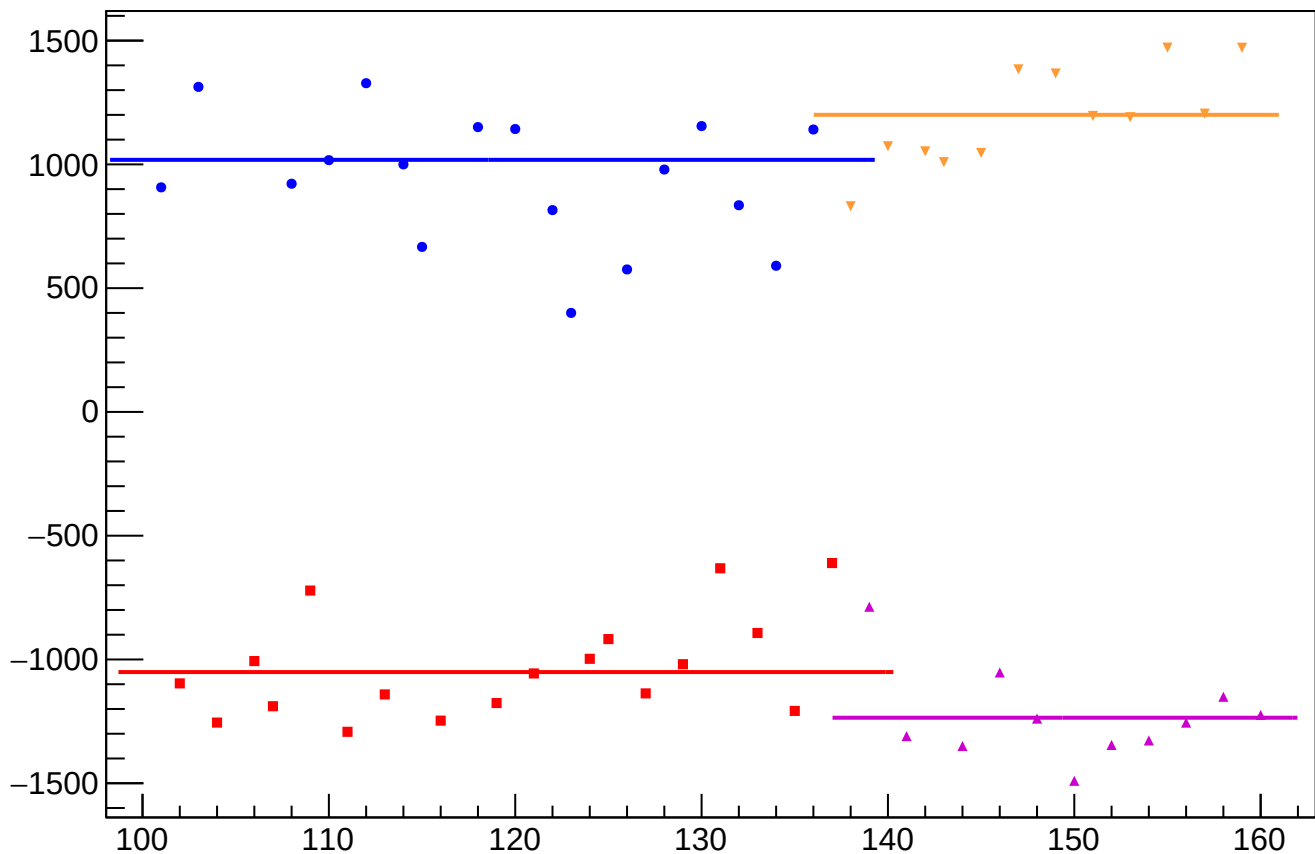
Right: 15.744+/-0.000 χ^2/NDF : 1575904926167243

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

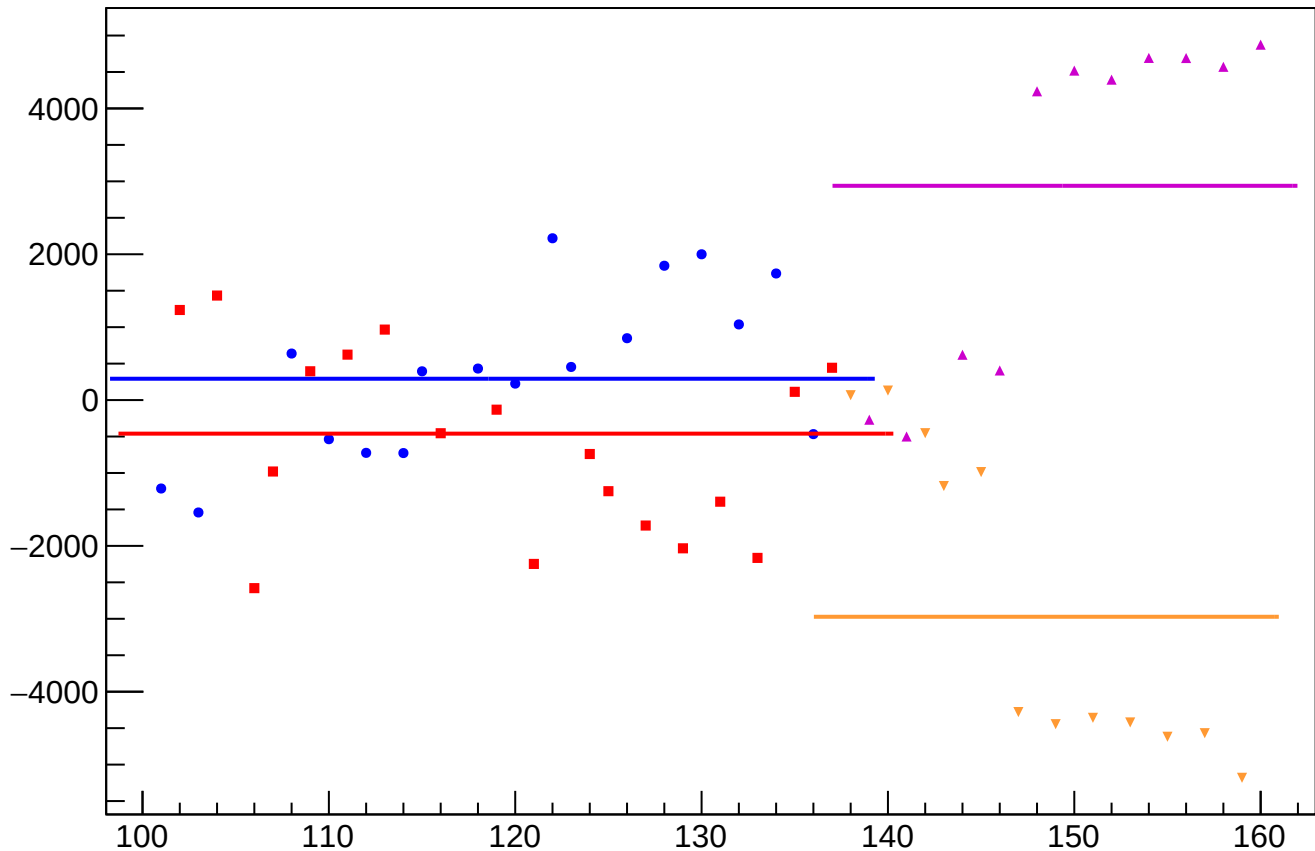
χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

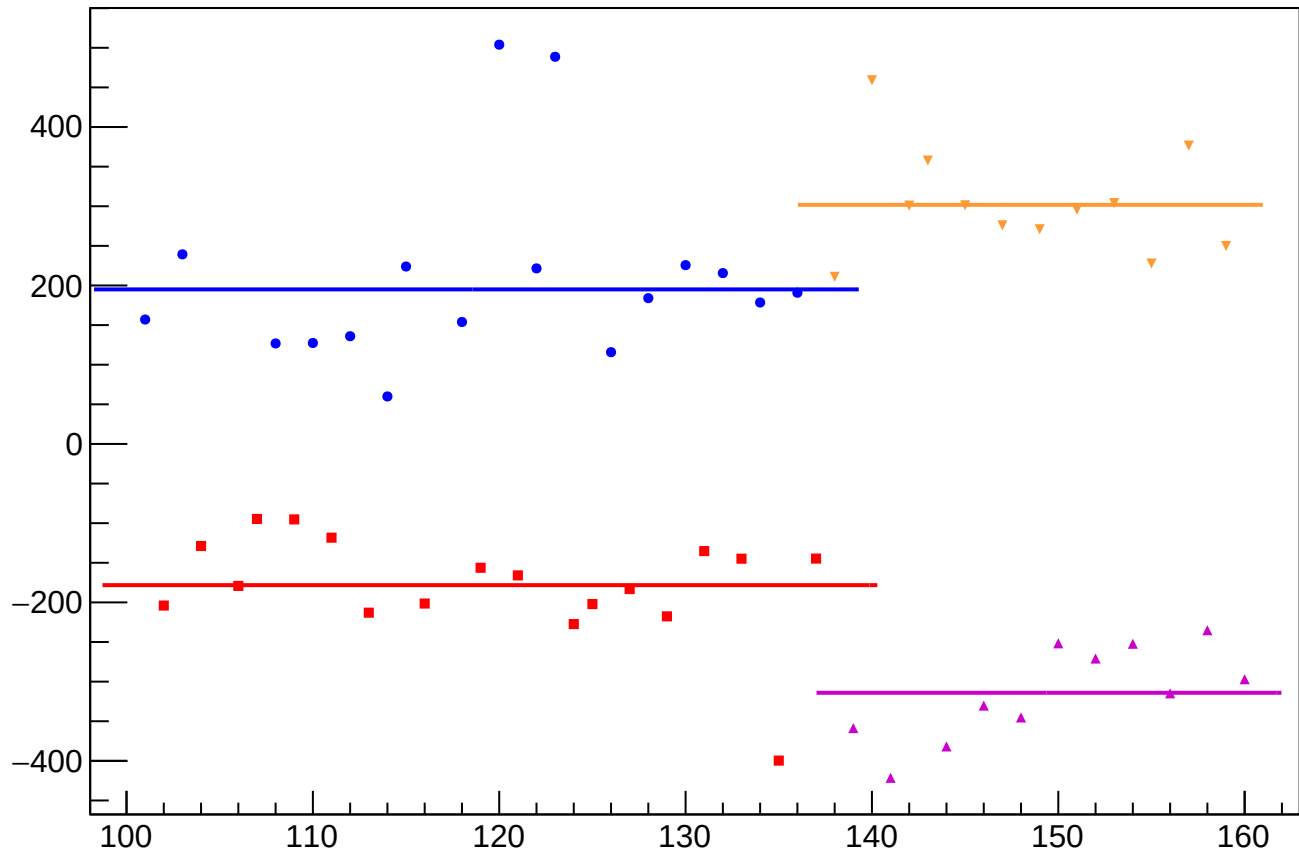
Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514
 Right: -31.639+/-0.000 χ^2/NDF : 156759750862946
 In: -273.986+/-0.000 χ^2/NDF : 2083200596416121
 Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam5_coil1_mean vs Slug, Sign Corrected



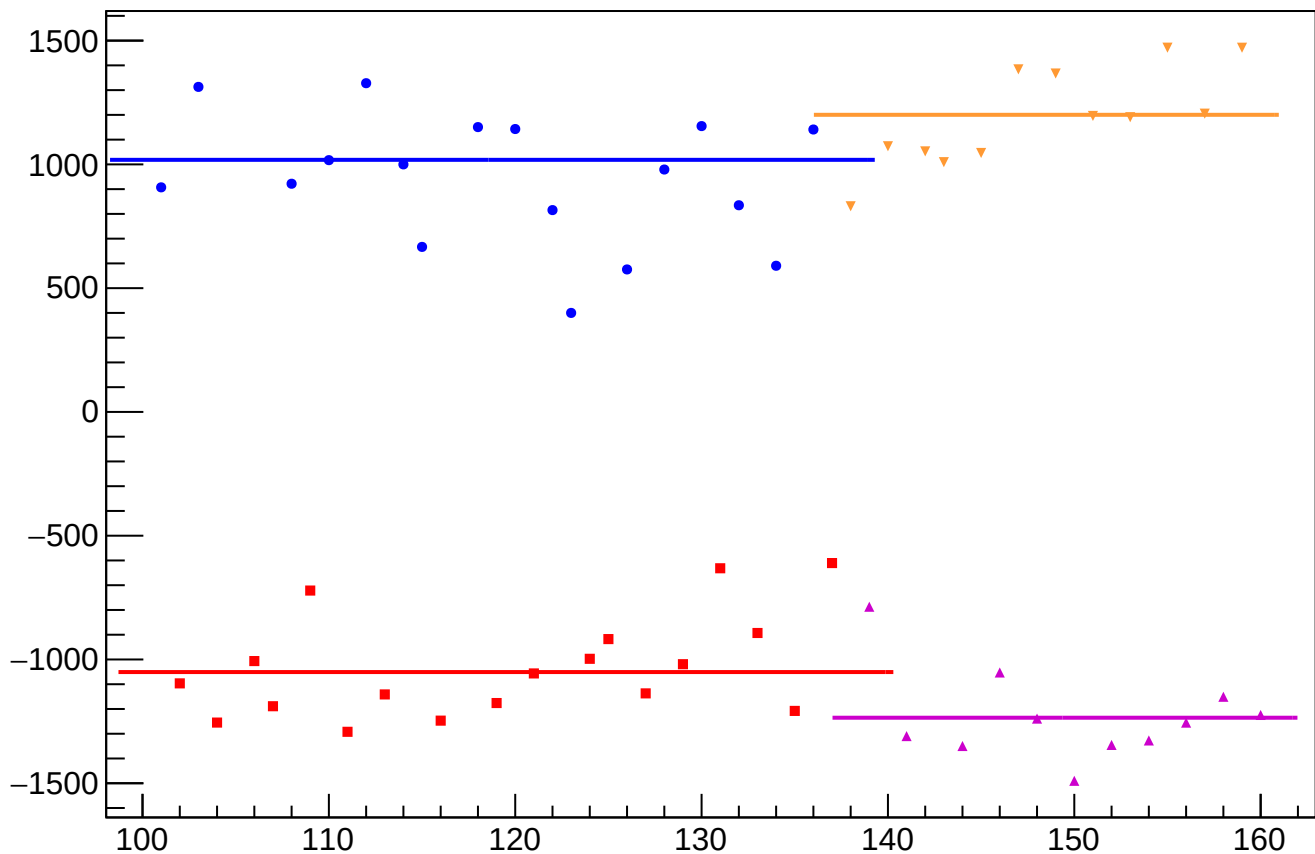
Right In: 292.624+/-0.000 χ^2/NDF : 992224758361668568621384832231814463488.0/16
 Left Out: -2972.256+/-0.000 χ^2/NDF : 3761676179645694438437077561605877661696.0/11
 Right Out: -460.444+/-0.000 χ^2/NDF : 1195390620297922800798852366593102446592.0/17
 Left In: 2938.958+/-0.000 χ^2/NDF : 4448330371719931217957339295057738465280.0/10
 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

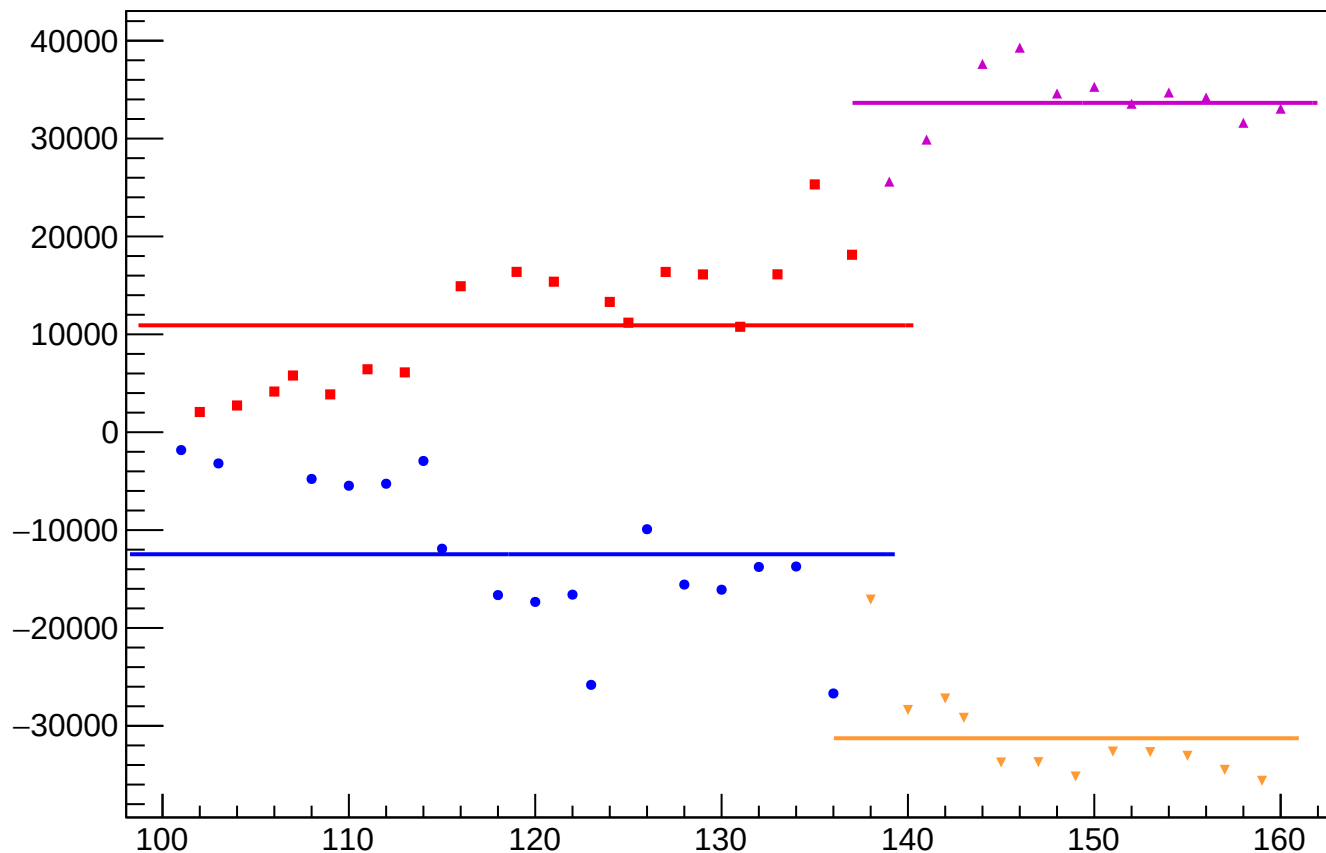
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

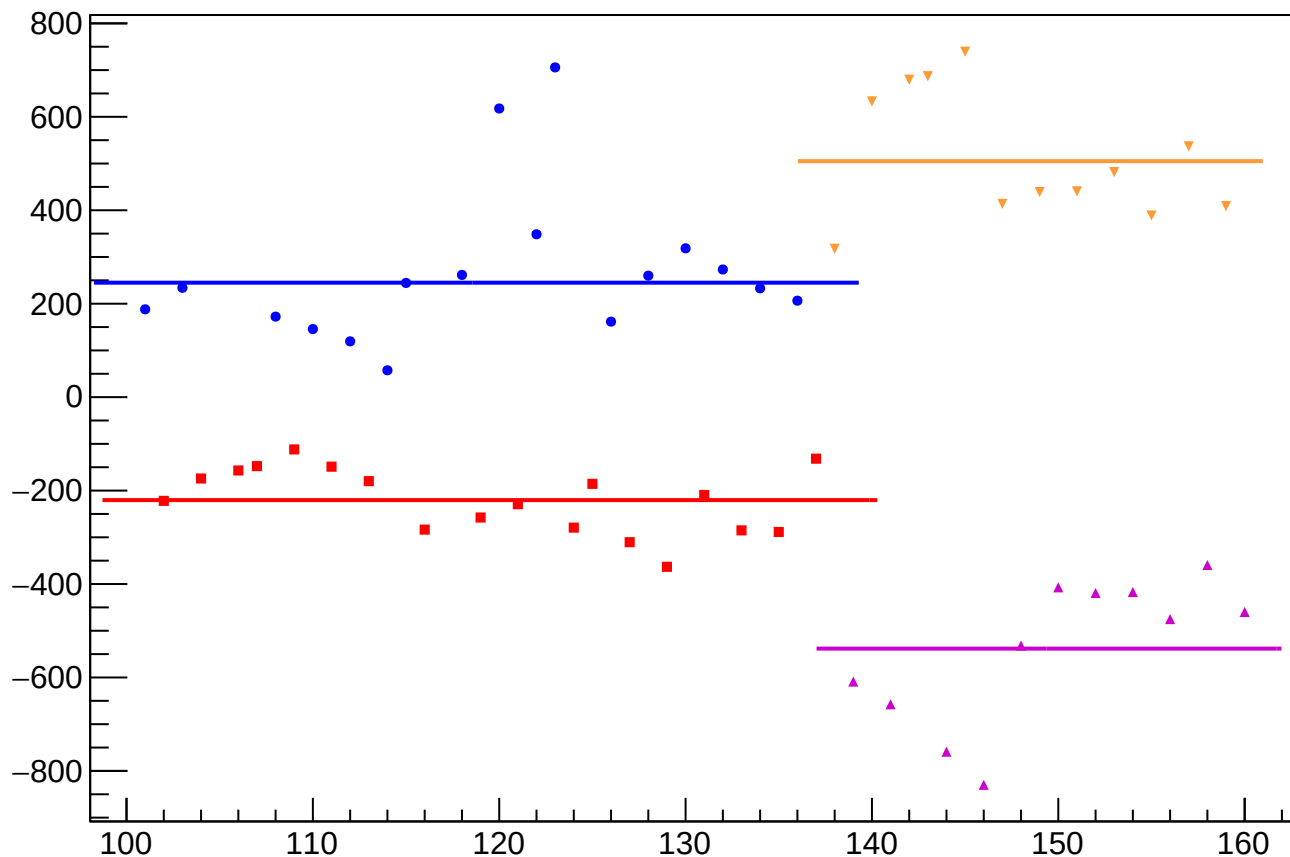
All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam6_coil1_mean vs Slug, Sign Corrected



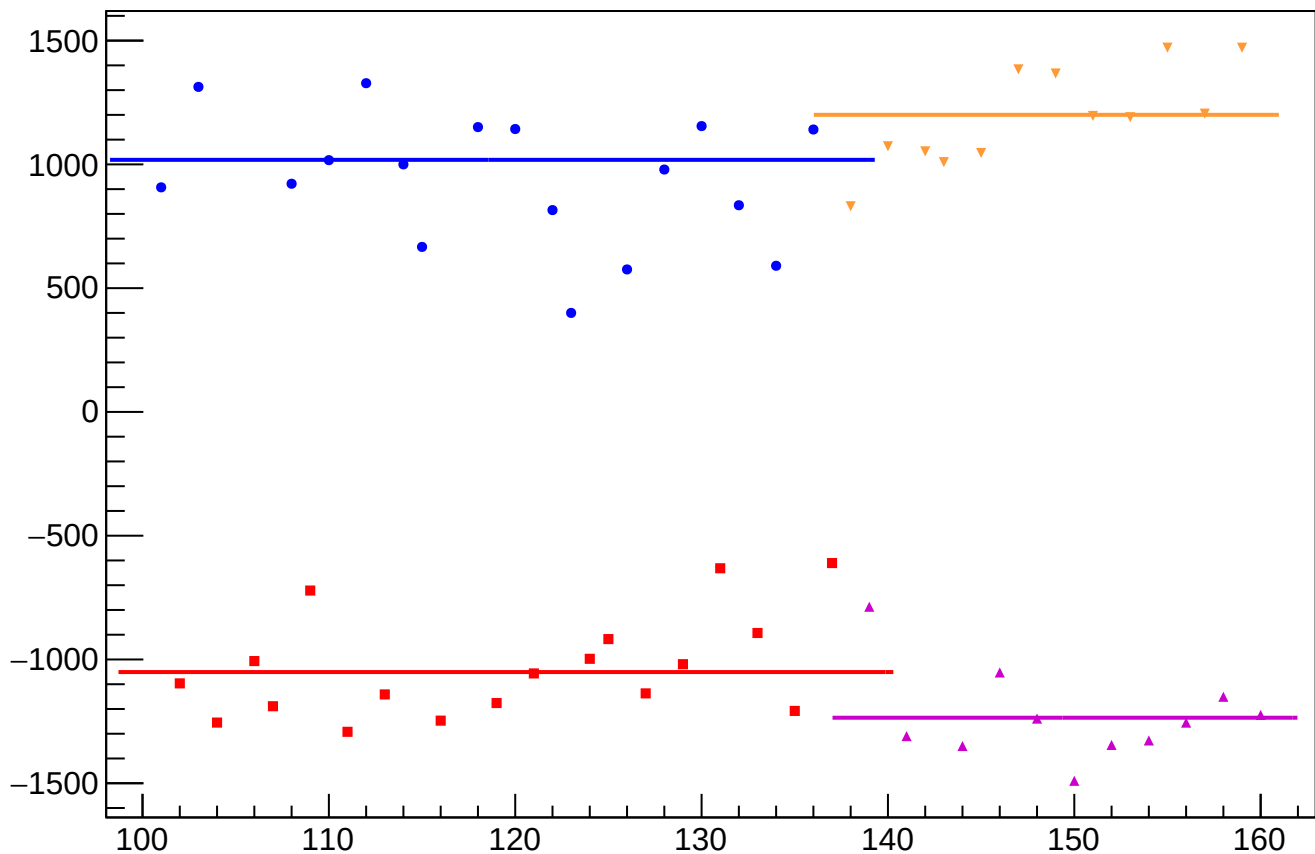
Right In: -12468.200+/-0.000 χ^2/NDF : 41947810781860597740124287766684235726848.0/16
 Left Out: -31267.411+/-0.000 χ^2/NDF : 22472352508992692811157309504314979385344.0/11
 Right Out: 10920.089+/-0.000 χ^2/NDF : 32165705228240657588124121675327793528832.0/17
 Left In: 33648.648+/-0.000 χ^2/NDF : 11296625028325119552839806860927105499136.0/10
 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

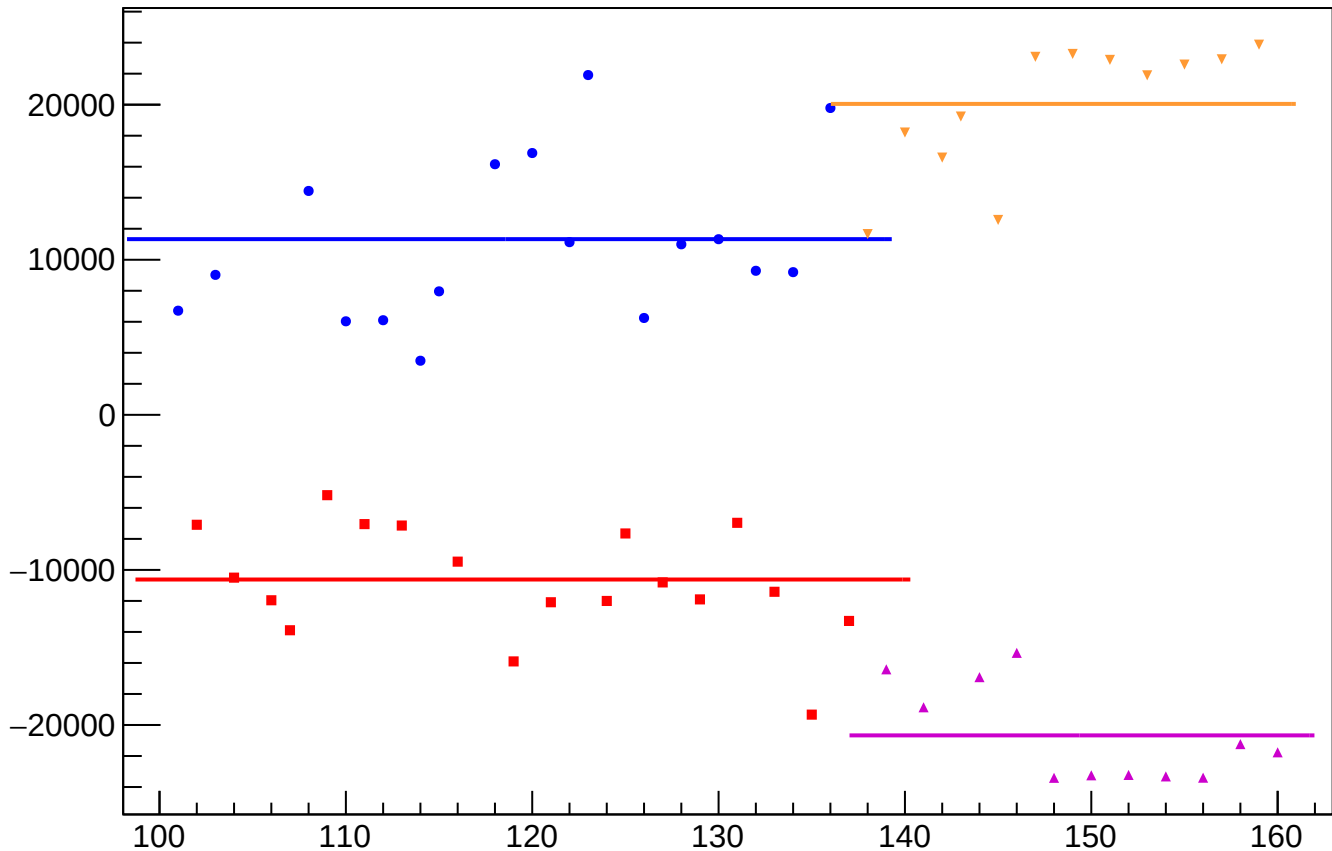
χ^2/NDF : 26898078099677260392287731084448235520.0/17

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

χ^2/NDF : 15521857033868622025770129635391850938368.0/16

Left Out: 20050.081+/-0.000

χ^2/NDF : 15531978446555800166104970917231932211200.0/11

Right Out: -10619.182+/-0.000

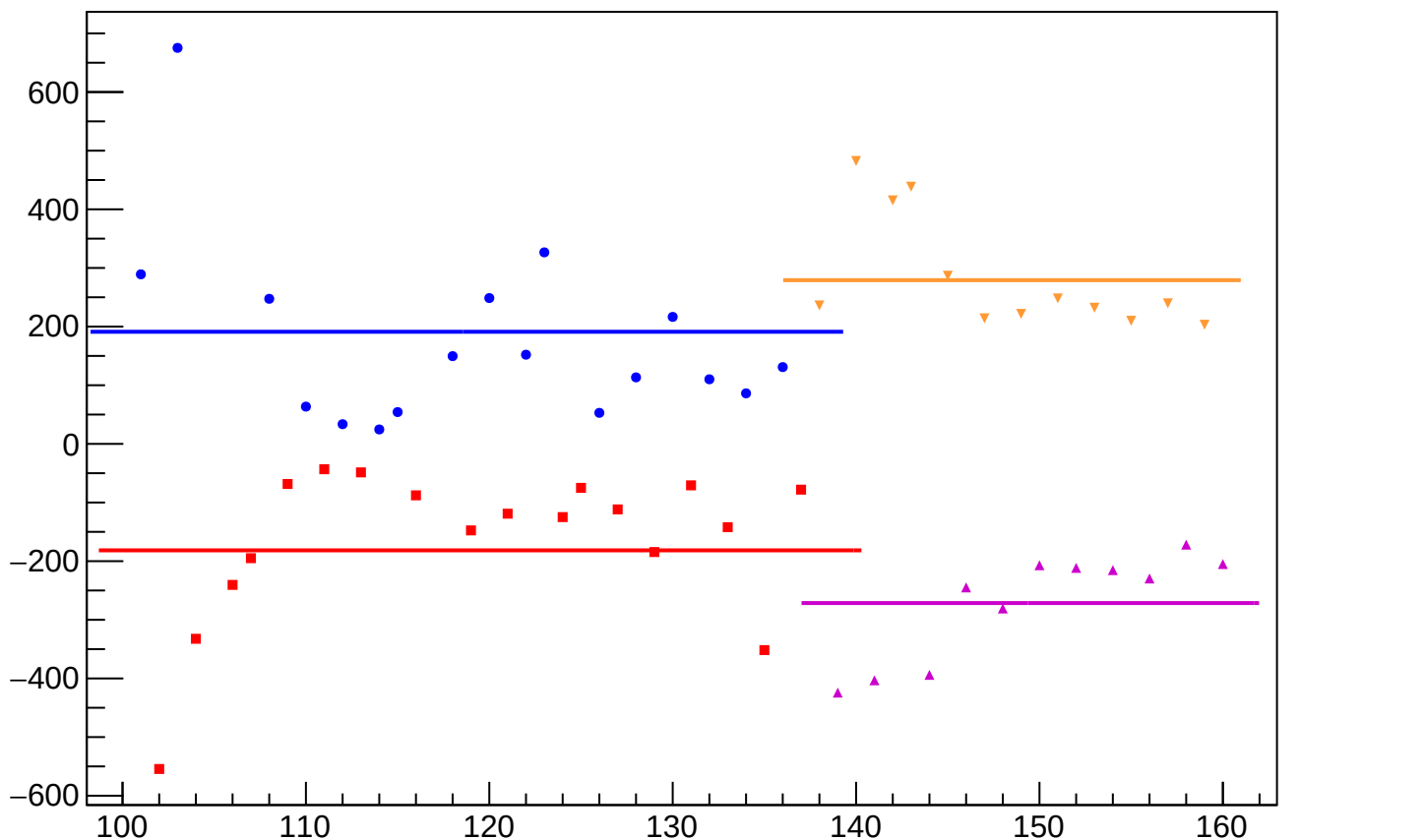
χ^2/NDF : 10071633014201515414626302207213810221056.0/17

Left In: -20670.726+/-0.000

χ^2/NDF : 8494858406573564863789120894069960081408.0/10

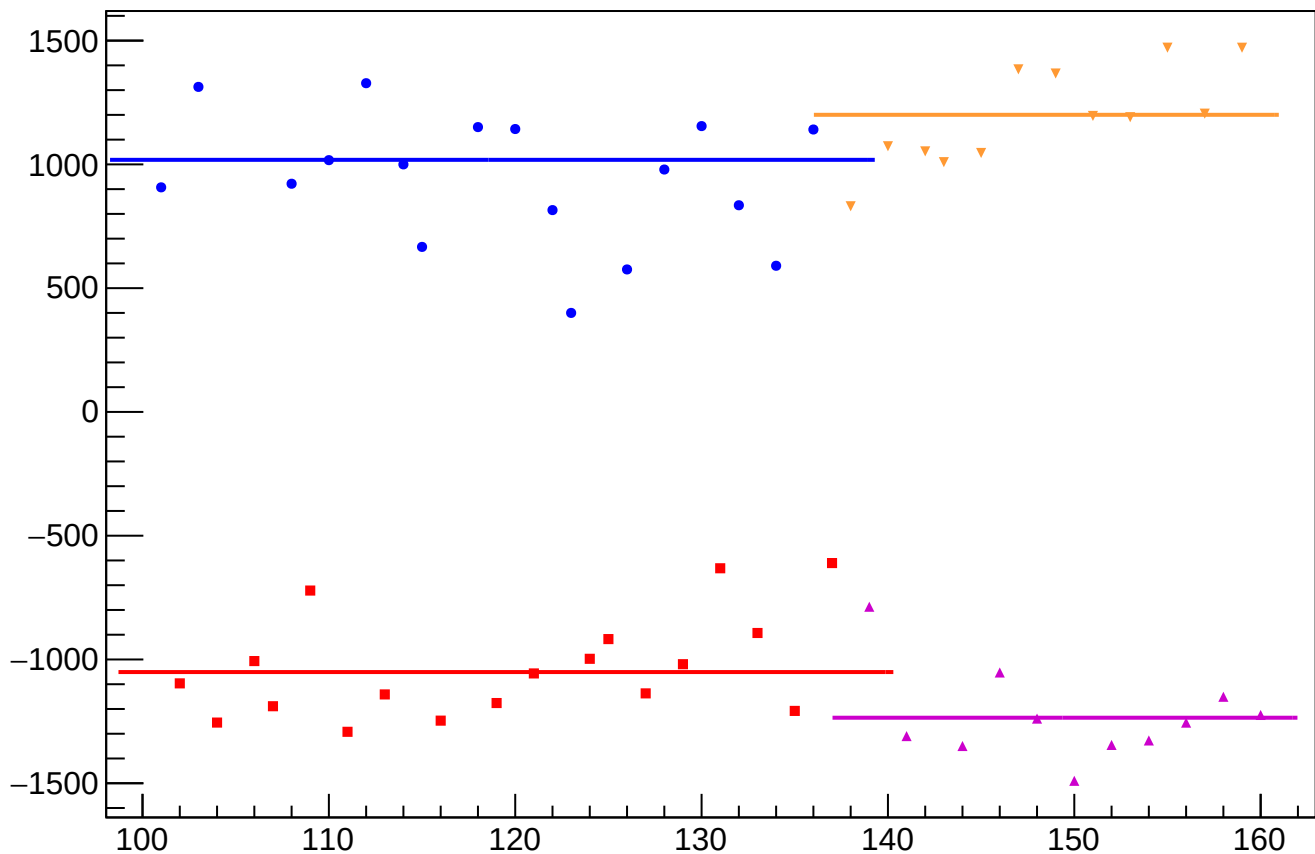
All: -243.158+/-0.000 χ^2/NDF : 98320655990

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

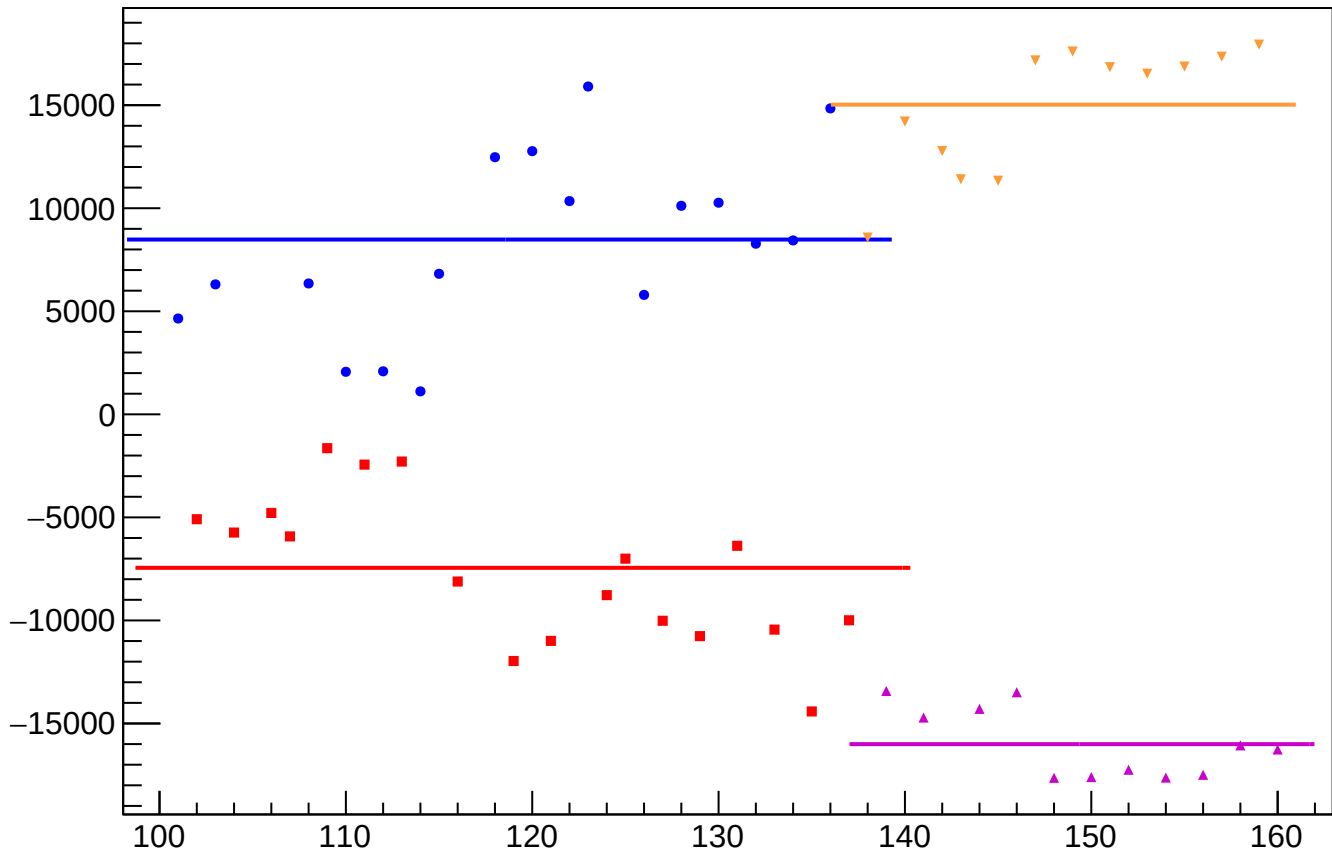
χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

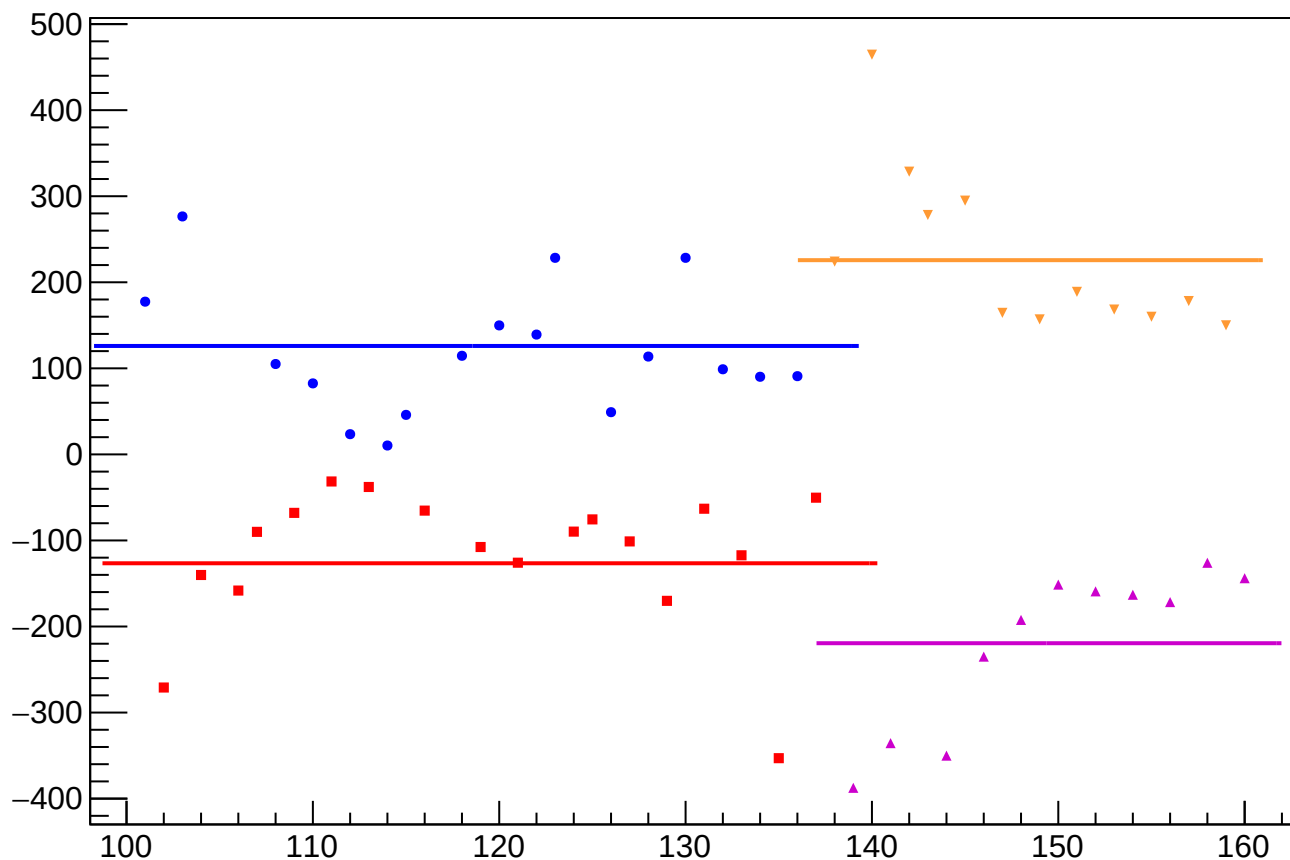
Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514
 Right: -31.639+/-0.000 χ^2/NDF : 156759750862946
 In: -273.986+/-0.000 χ^2/NDF : 2083200596416121
 Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam8_coil1_mean vs Slug, Sign Corrected



Left: -690.569 +/- 0.000 χ^2/NDF : 453938859175611
 Right In: 8480.889 +/- 0.000 χ^2/NDF : 11499484754166446401410720405854359650304.0/16
 Right: 398.138 +/- 0.000 χ^2/NDF : 110892866685720
 Left Out: 15025.757 +/- 0.000 χ^2/NDF : 8187740092033082050104349904869741559808.0/11
 In: -5559.130 +/- 0.000 χ^2/NDF : 252536611312821
 Right Out: -7447.217 +/- 0.000 χ^2/NDF : 10045808642952263494281474112188504342528.0/17
 Out: 5131.560 +/- 0.000 χ^2/NDF : 220351551801911
 Left In: -16002.617 +/- 0.000 χ^2/NDF : 2475406713829870725608341548092805349376.0/10
 All: -218.717 +/- 0.000 χ^2/NDF : 56577797578

dit_sam8_coil1_err_mean vs Slug, Sign Corrected



Right In: 126.005 $\pm$ 0.000 χ^2 /NDF: 3386025781144831306970150054630785024.0/16

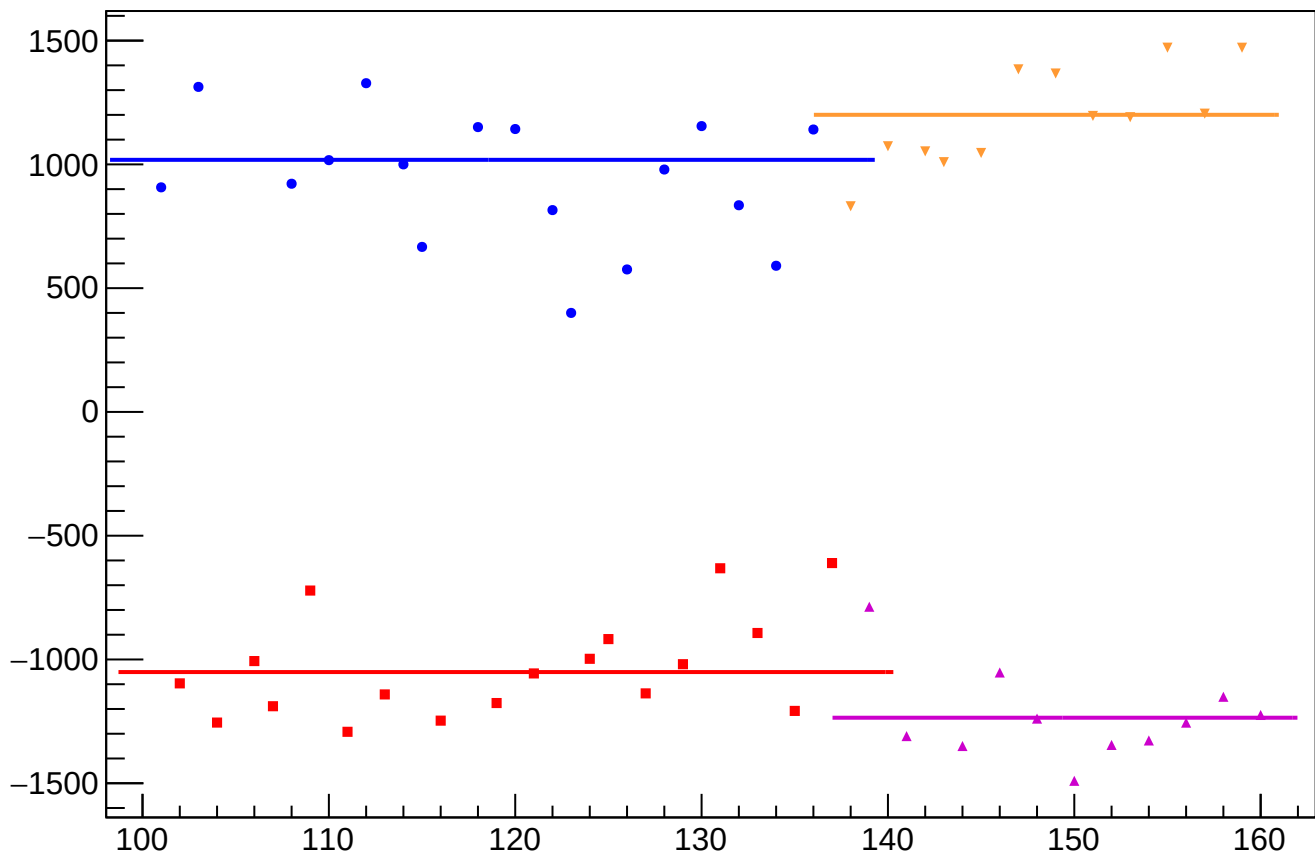
Left Out: 225.692 $\pm$ 0.000 χ^2 /NDF: 7765824995412425286122153901765427200.0/11

Right Out: -126.521 $\pm$ 0.000 χ^2 /NDF: 5291778643595712336156745298356469760.0/17

Left In: -219.416 $\pm$ 0.000 χ^2 /NDF: 7417643300202175953458768997657870336.0/10

All: -0.792 $\pm$ 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

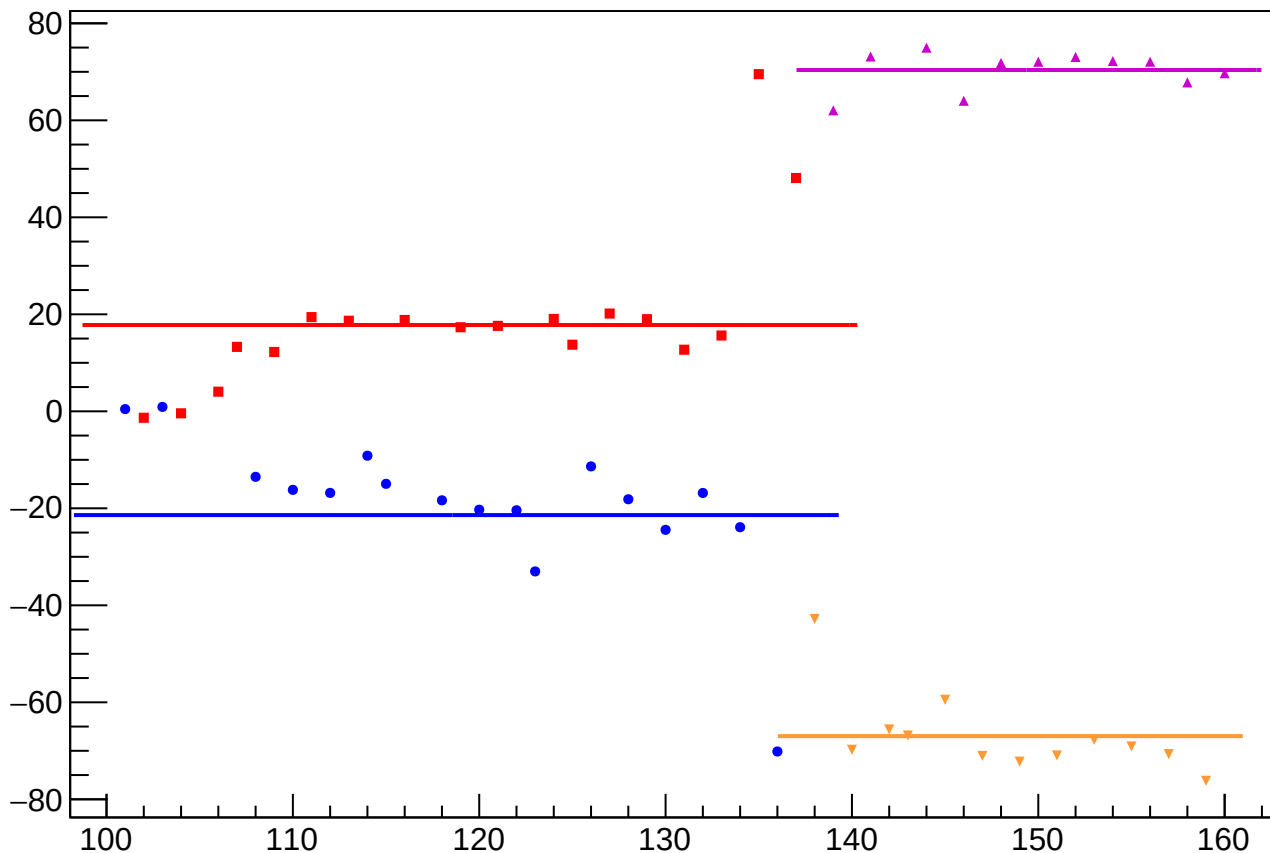
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

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

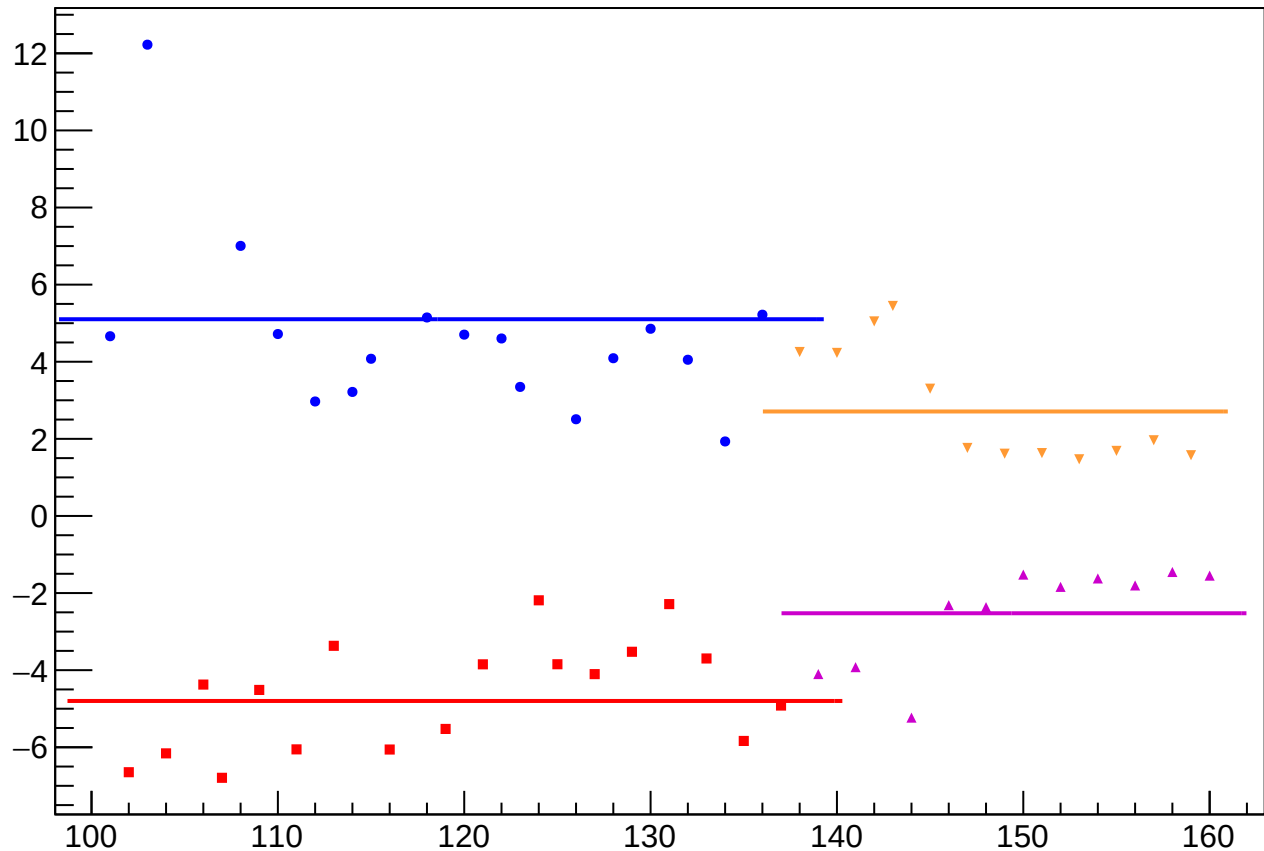
Right: -1.508+/-0.000 χ^2/NDF : 1016004524366776

In: 31.228+/-0.000 χ^2/NDF : 364590997296743211

Out: -29.654+/-0.000 χ^2/NDF : 3134342076596481

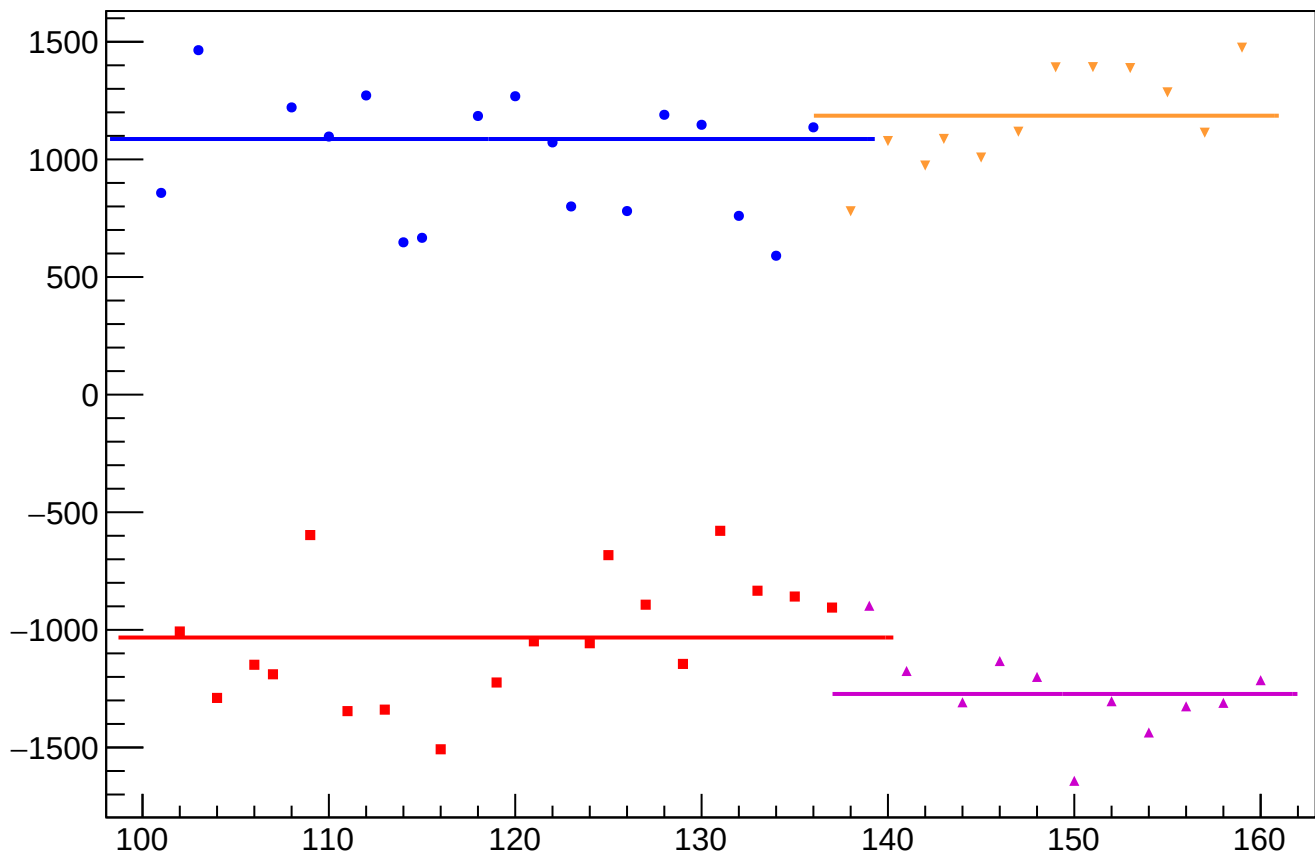
All: 0.815+/-0.000 χ^2/NDF : 97928246020071

dit_4aX_coil3_err_mean vs Slug, Sign Corrected



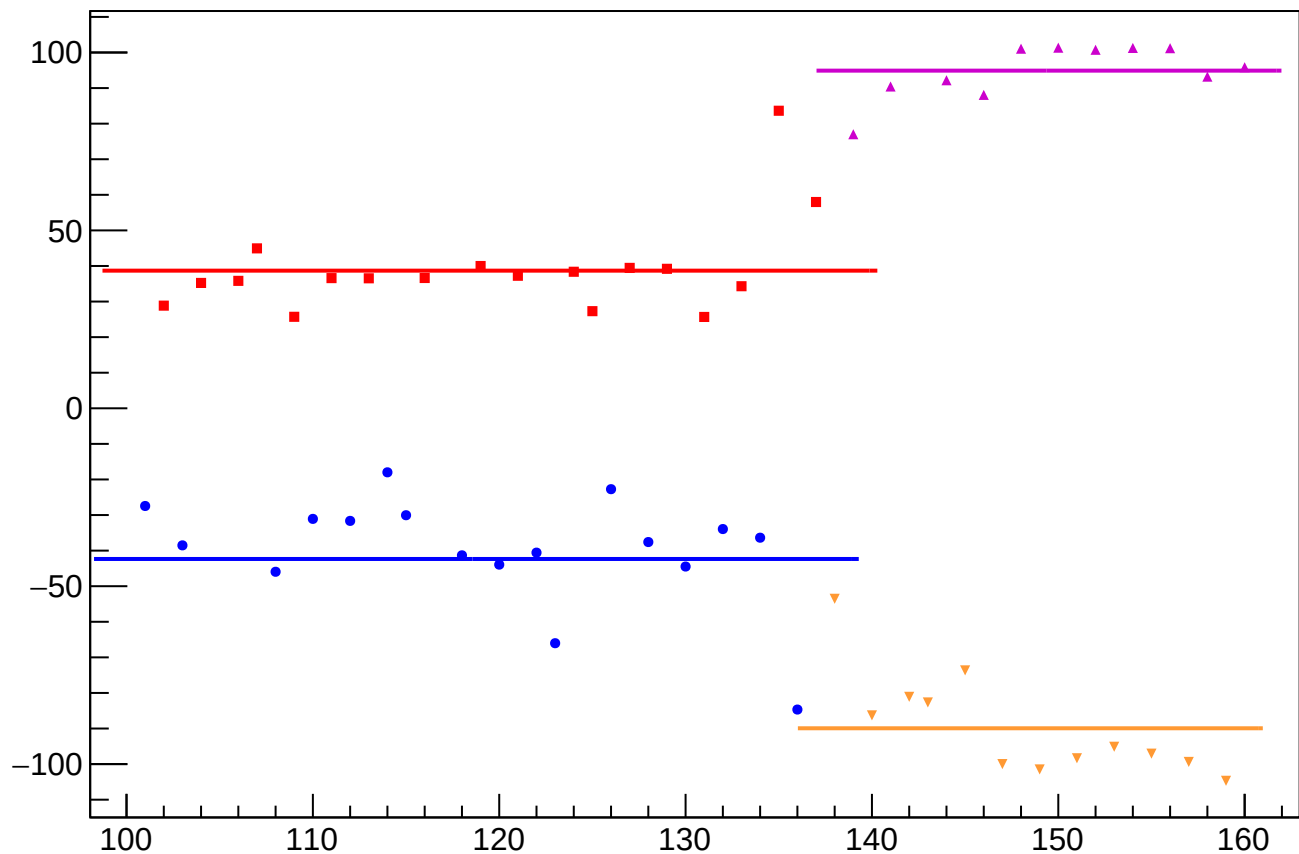
Right In: 5.103 $\pm$ 0.000 χ^2 /NDF: 4048406978190508053530993177395200.0/16
 Left Out: 2.710 $\pm$ 0.000 χ^2 /NDF: 1774159043511346014201510128254976.0/11
 Right Out: -4.799 $\pm$ 0.000 χ^2 /NDF: 1271869445641912698697536291995648.0/17
 Left In: -2.524 $\pm$ 0.000 χ^2 /NDF: 1443854563513341294387646202642432.0/10
 All: 0.067 $\pm$ 0.000 χ^2 /NDF: 55678277230235

dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695 ± 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_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

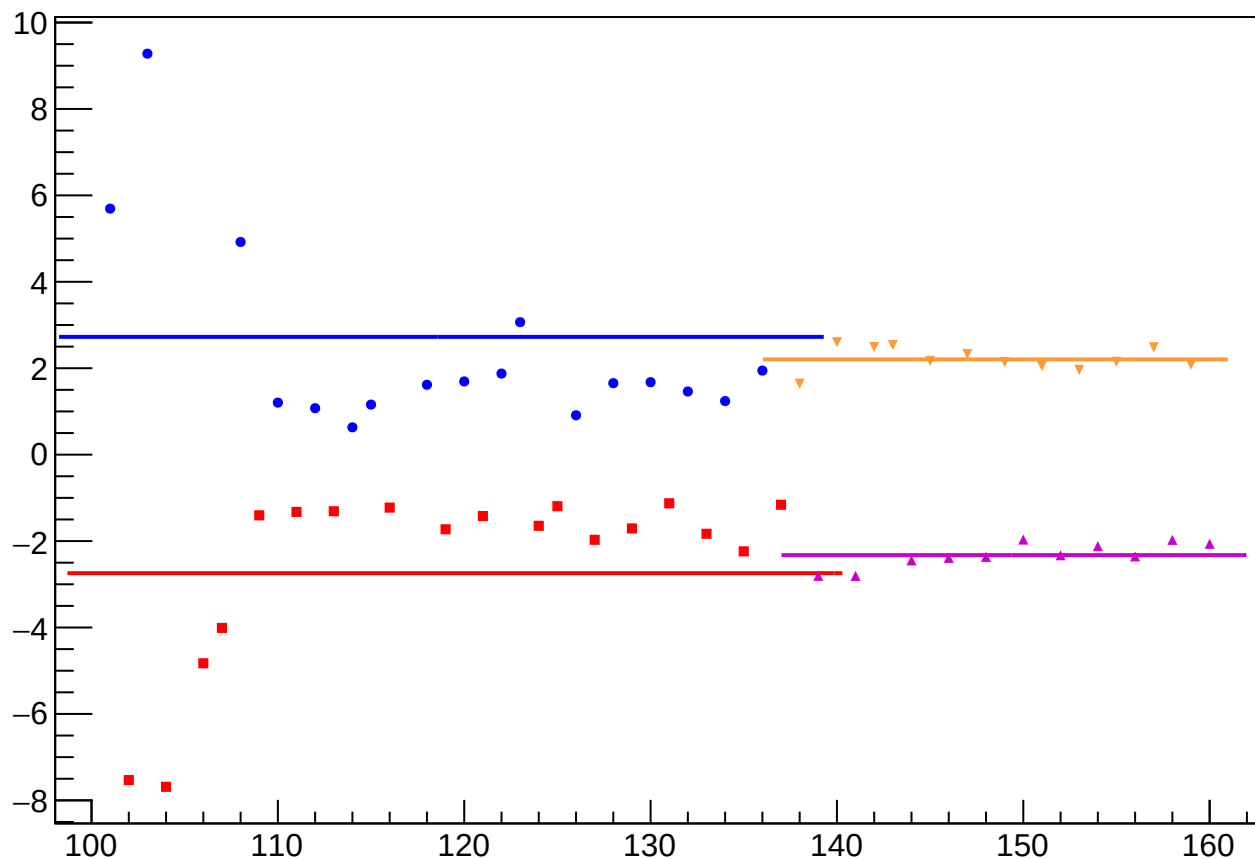
Right: -1.226+/-0.000 χ^2/NDF : 2659977091062519

In: 36.357+/-0.000 χ^2/NDF : 776037945443292169

Out: -33.304+/-0.000 χ^2/NDF : 6940516204701080

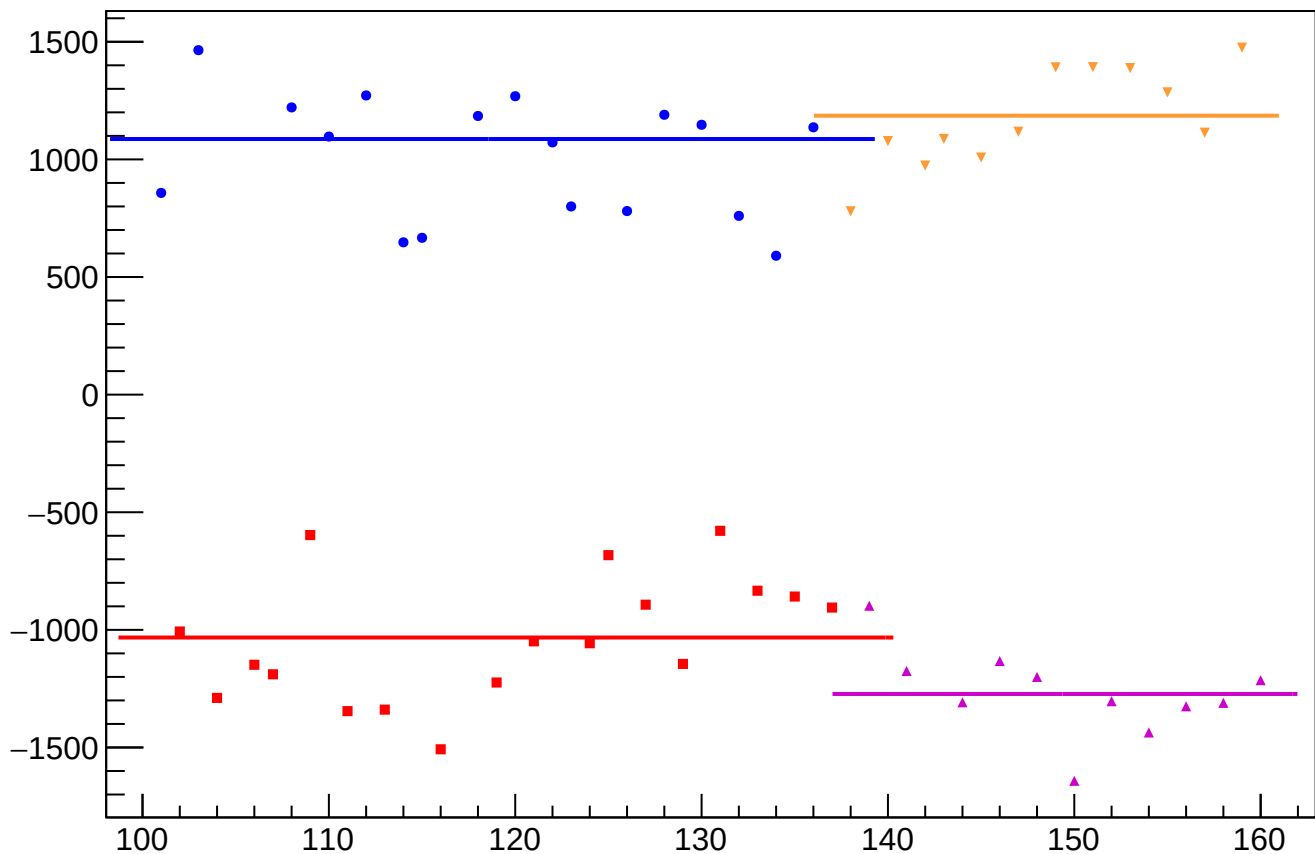
All: 1.559+/-0.000 χ^2/NDF : 18644925895826

dit_4eX_coil3_err_mean vs Slug, Sign Corrected



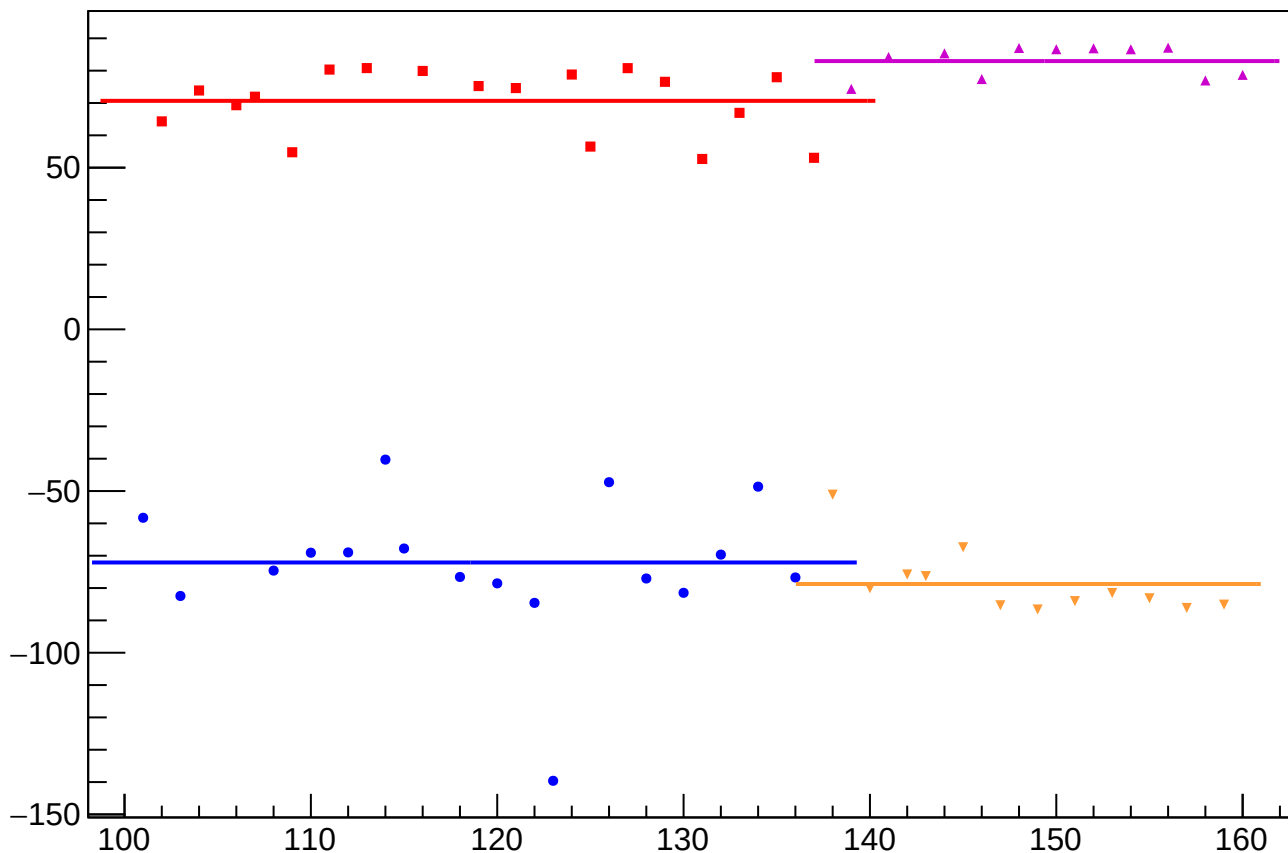
Right In: 2.726 $\pm$ 0.000 χ^2 /NDF: 4086214221048218627232910568062976.0/16
 Left Out: 2.204 $\pm$ 0.000 χ^2 /NDF: 64341762429168624767253736325120.0/11
 Right Out: -2.743 $\pm$ 0.000 χ^2 /NDF: 3588318821230369709737363581698048.0/17
 Left In: -2.325 $\pm$ 0.000 χ^2 /NDF: 71570259822113159465865385607168.0/10
 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

Left Out: -78.747+/-0.000

Right Out: 70.666+/-0.000

Left In: 82.966+/-0.000

χ^2/NDF : 103075229118962583323813478911705088.0/16

χ^2/NDF : 90789525072060271629933547446337536.0/11

χ^2/NDF : 63521582322355548765057214851317760.0/17

χ^2/NDF : 20132204805005576765090308057726976.0/10

Left: 3.163+/-0.000 χ^2/NDF : 121514630623973577

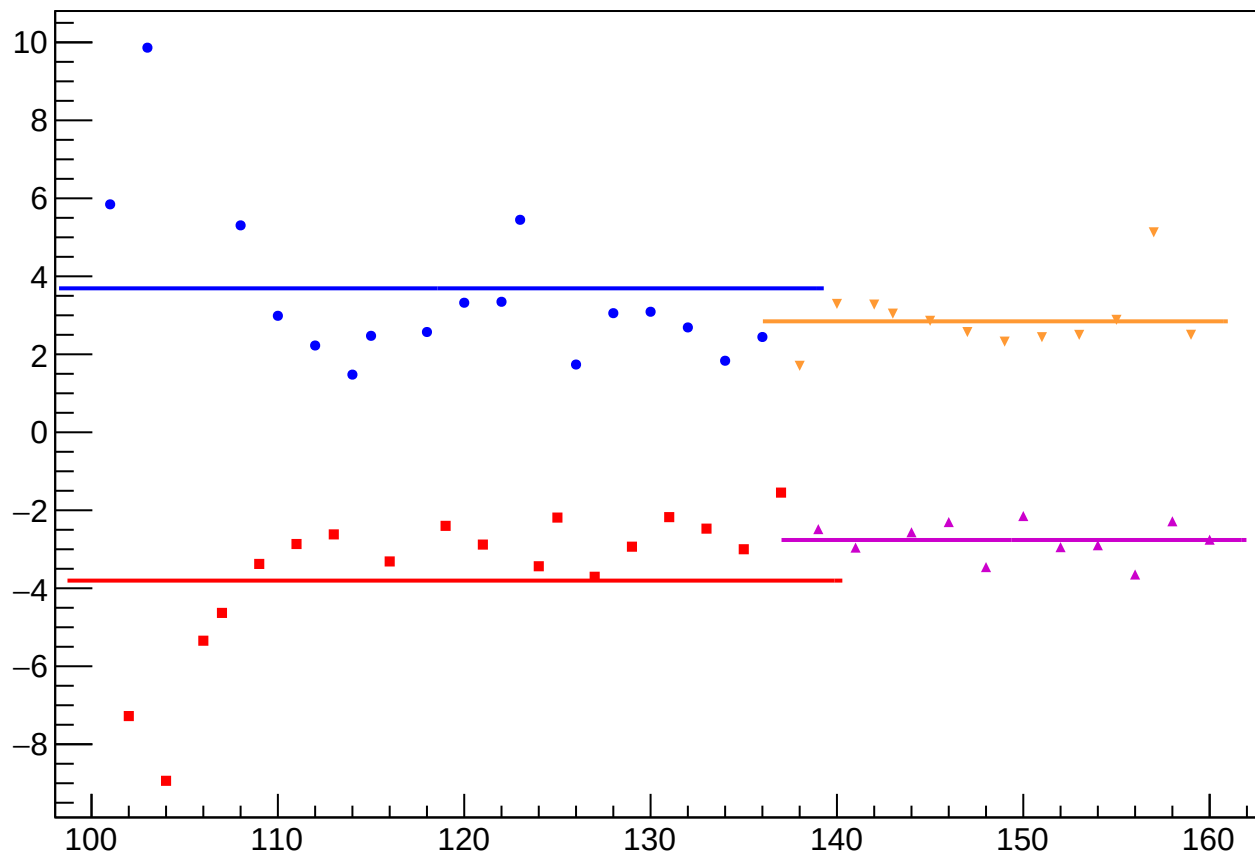
Right: 0.350+/-0.000 χ^2/NDF : 73439703870243937

In: 16.825+/-0.000 χ^2/NDF : 969185214083124883

Out: -12.965+/-0.000 χ^2/NDF : 9088636666541269

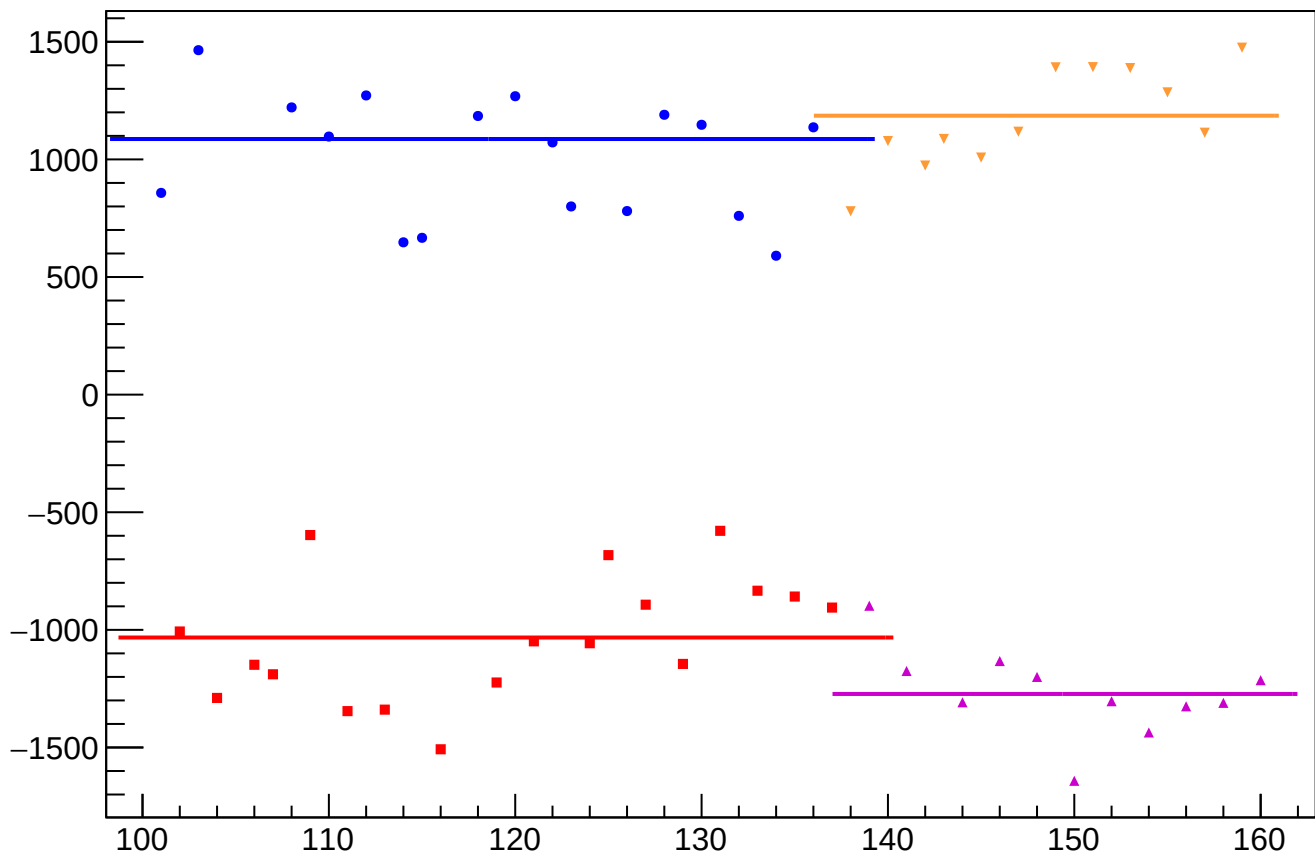
All: 1.944+/-0.000 χ^2/NDF : 19501749782083

dit_11X12X_coil3_err_mean vs Slug, Sign Corrected



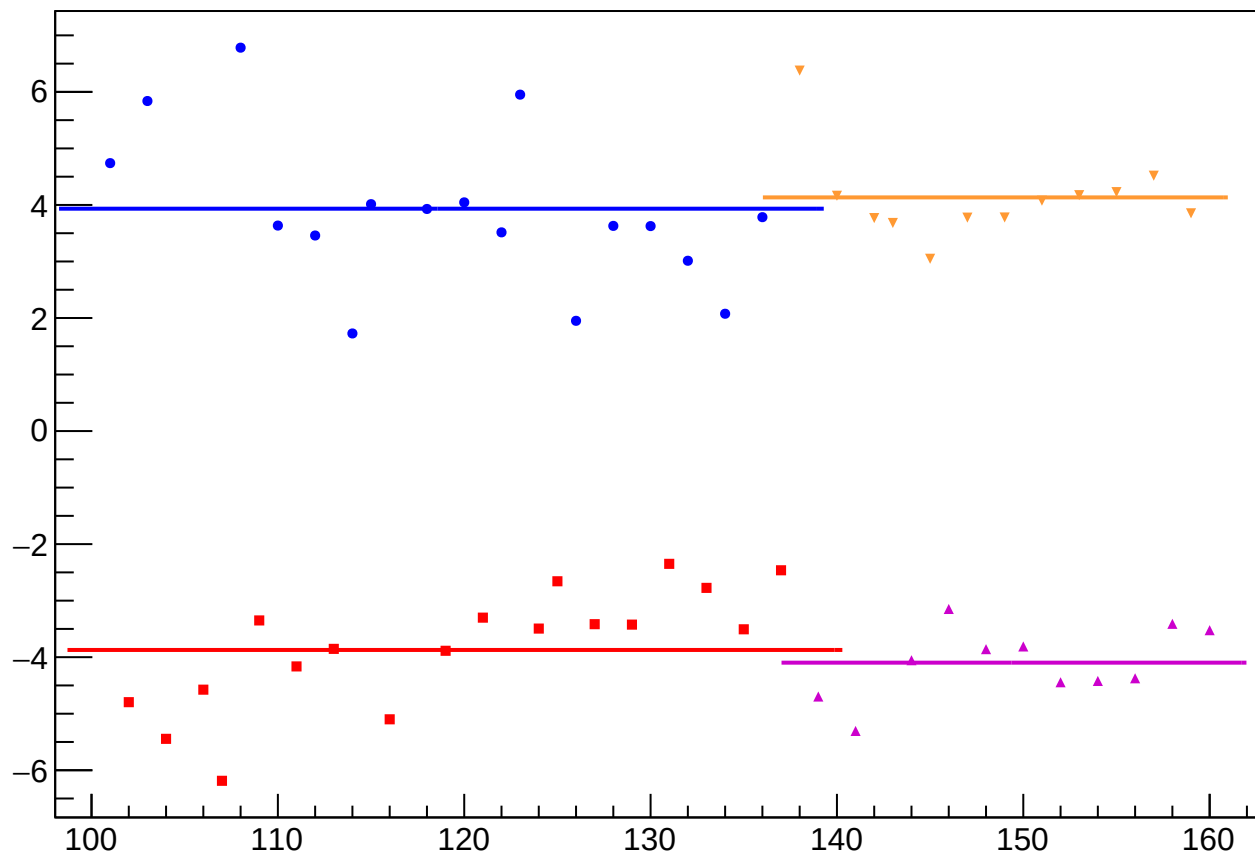
Right In: 3.692 +/- 0.000 χ^2/NDF : 3355971788555014480502828790972416.0/16
 Left Out: 2.846 +/- 0.000 χ^2/NDF : 575629369641168831235561749479424.0/11
 Right Out: -3.803 +/- 0.000 χ^2/NDF : 2825063553426013260614294392799232.0/17
 Left In: -2.762 +/- 0.000 χ^2/NDF : 191371961737300564635223748247552.0/10
 All: -0.045 +/- 0.000 χ^2/NDF : 4121907828057

dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected



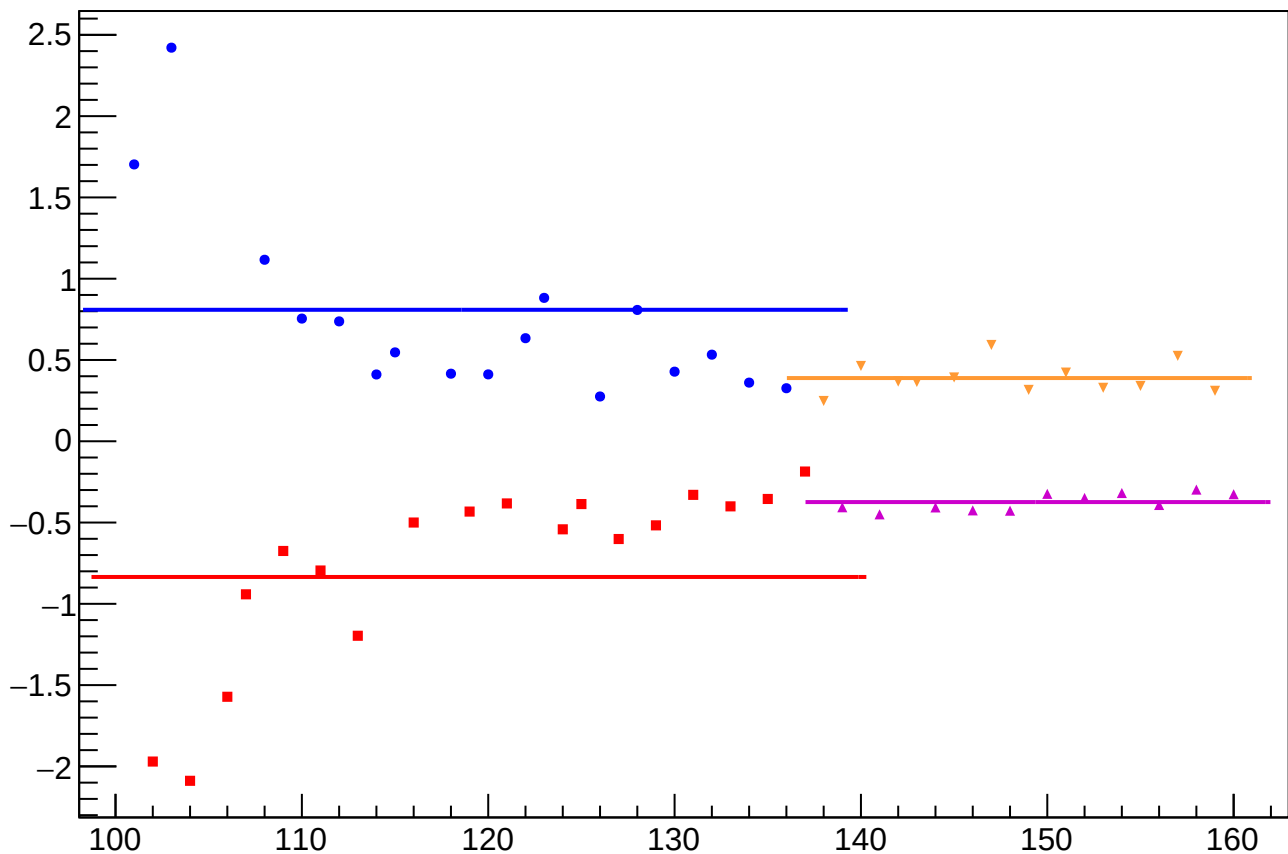
Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_4aY_coil3_mean vs Slug, Sign Corrected



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
 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

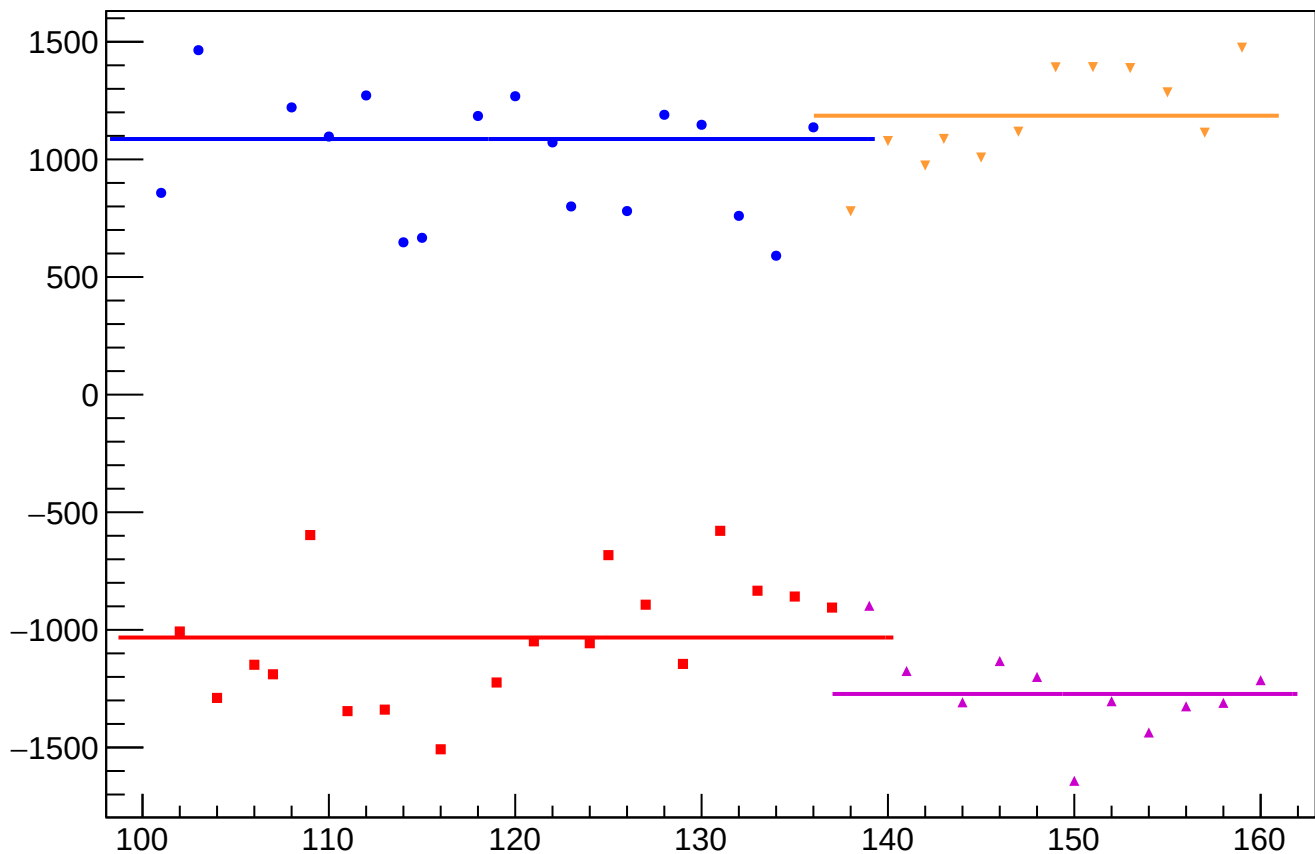
Left In: -0.374+/-0.000

χ^2/NDF : 2379461607366055456140660047872.0/10

All: -0.010+/-0.000

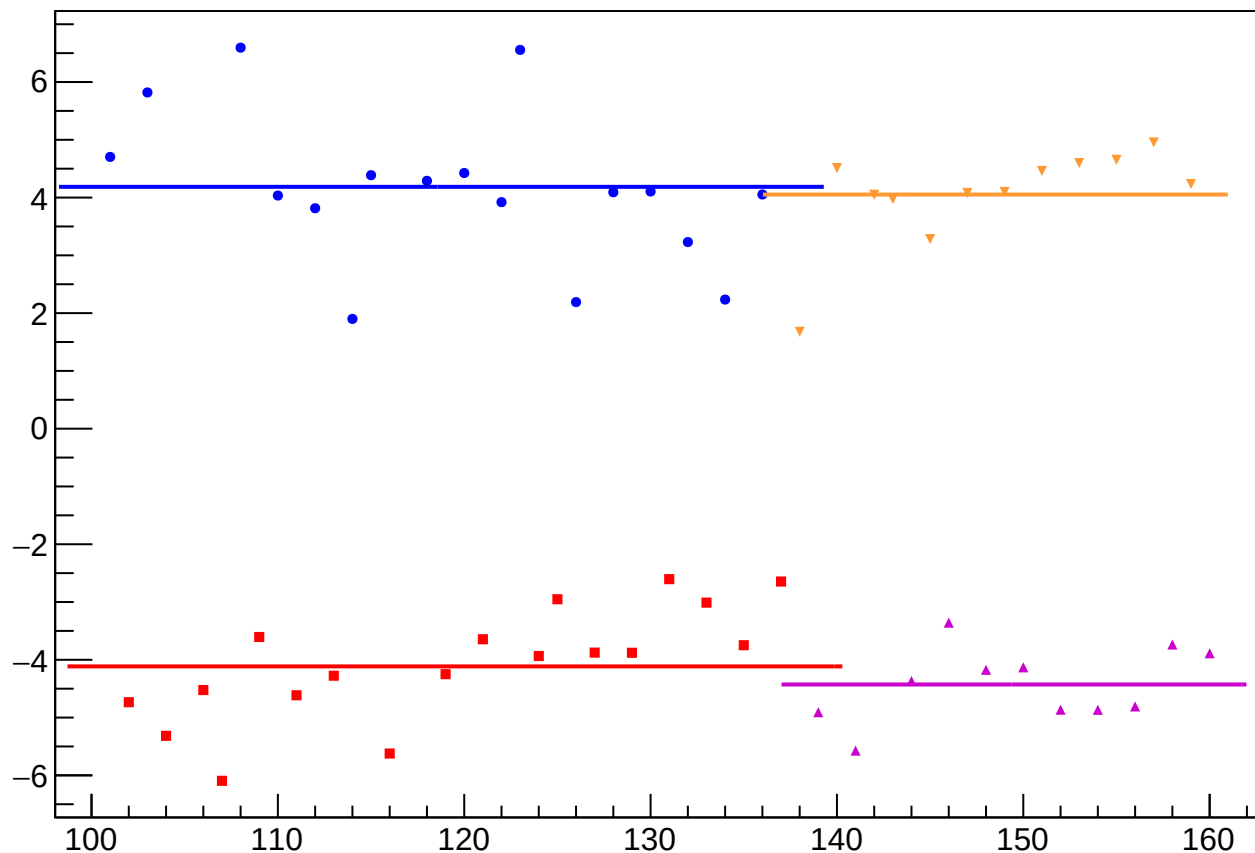
χ^2/NDF : 1749999072867

dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected



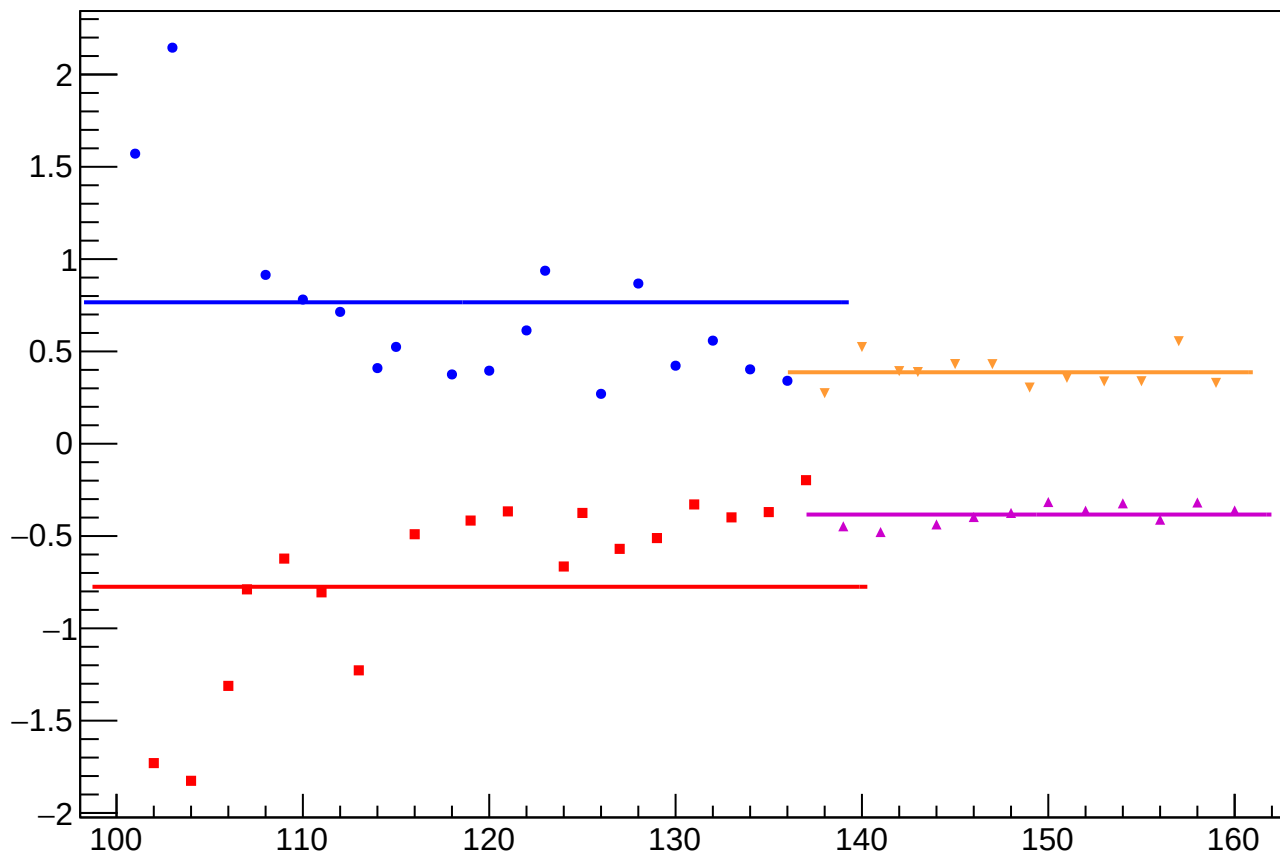
Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_4eY_coil3_mean vs Slug, Sign Corrected



Right In: 4.186+/-0.000	χ^2/NDF : 774445398310846770950220892078080.0/16	Left: -0.243+/-0.000	χ^2/NDF : 34088413837184568
Left Out: 4.052+/-0.000	χ^2/NDF : 634098515145798855261076427112448.0/11	Right: -0.026+/-0.000	χ^2/NDF : 2561075955613807
Right Out: -4.114+/-0.000	χ^2/NDF : 573990867601521273238766982529024.0/17	In: -0.753+/-0.000	χ^2/NDF : 306467313798180493
Left In: -4.427+/-0.000	χ^2/NDF : 347229155799314771034943134892032.0/10	Out: 0.457+/-0.000	χ^2/NDF : 278996241429847262
		All: -0.149+/-0.000	χ^2/NDF : 5973666068557

dit_4eY_coil3_err_mean vs Slug, Sign Corrected



Left: -0.003 +/- 0.000 χ^2/NDF : 28234003869756828

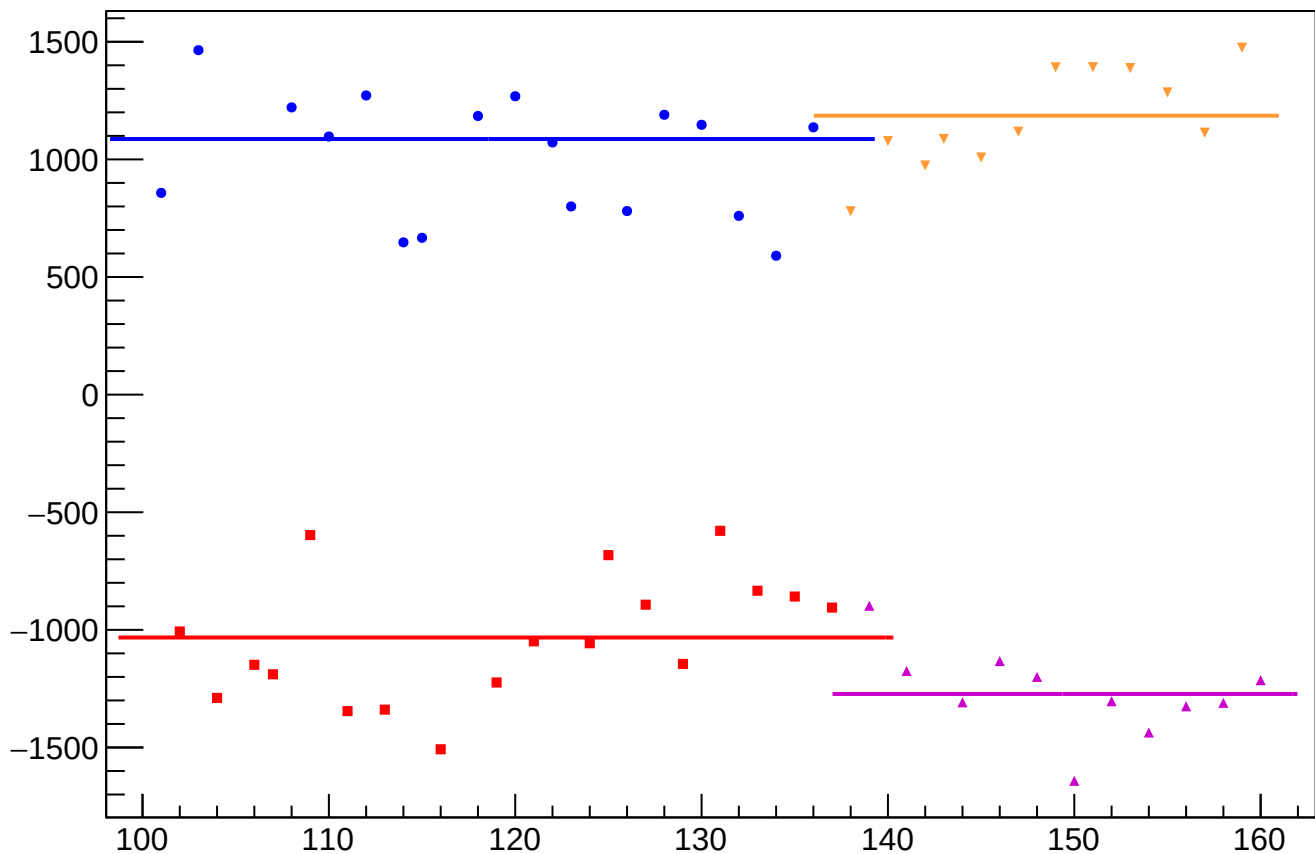
Right: -0.016 +/- 0.000 χ^2/NDF : 1223294668378502

In: 0.107 +/- 0.000 χ^2/NDF : 7334405883995383067

Out: -0.124 +/- 0.000 χ^2/NDF : 72885417762251347

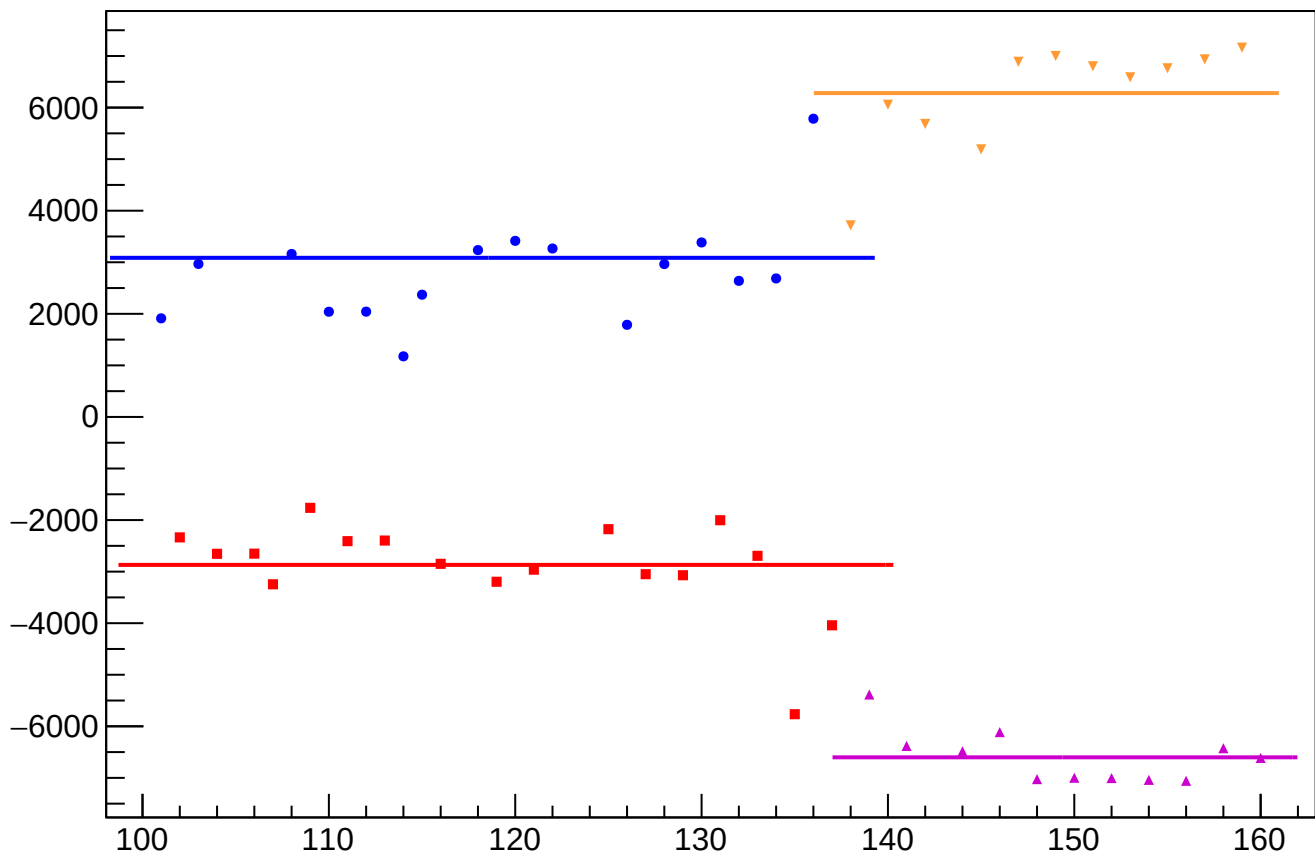
All: -0.009 +/- 0.000 χ^2/NDF : 1505760891115

dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected



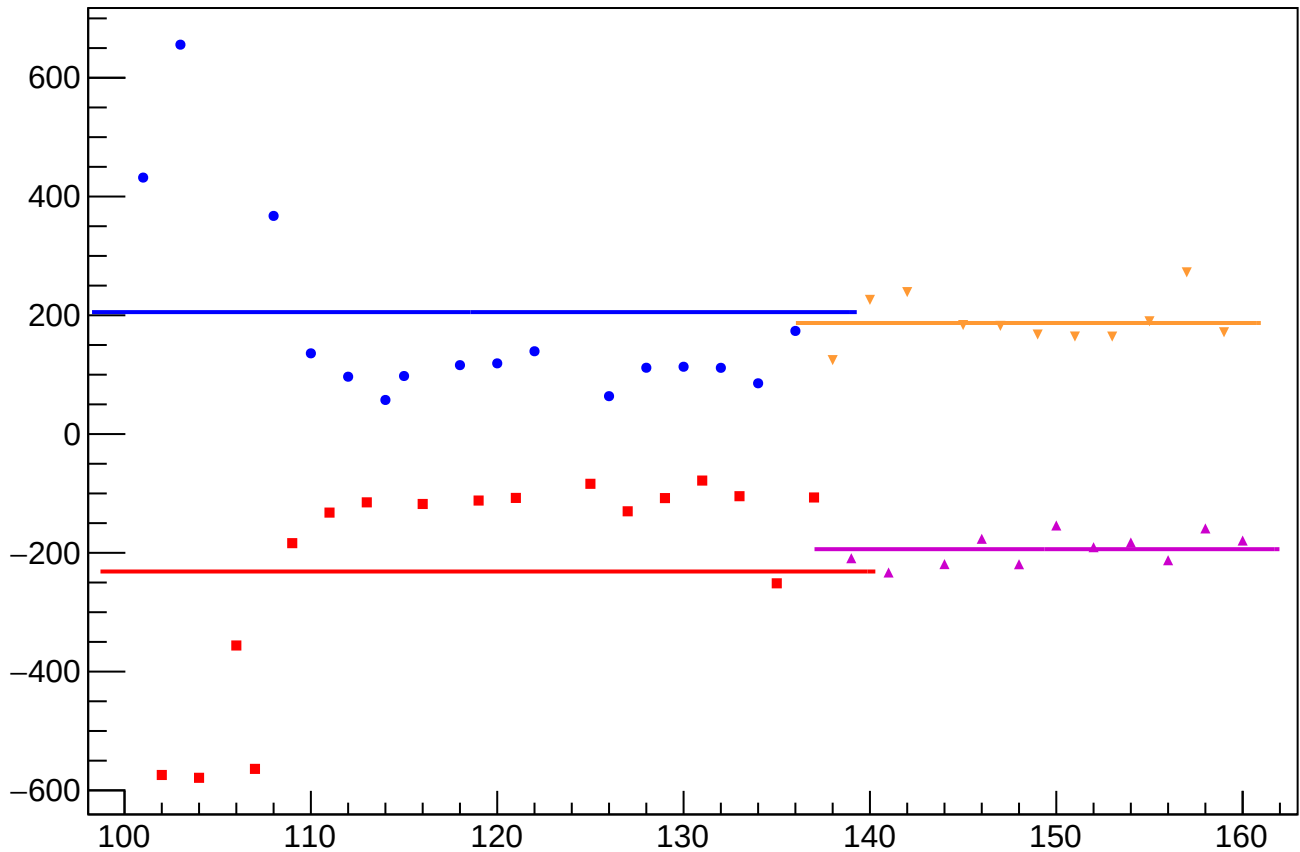
Right In: 1086.695 $\pm$ 0.000 χ^2 /NDF: 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823 $\pm$ 0.000 χ^2 /NDF: 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544 $\pm$ 0.000 χ^2 /NDF: 47614887029691398867923382029973979136.0/17
 Left In: -1272.495 $\pm$ 0.000 χ^2 /NDF: 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

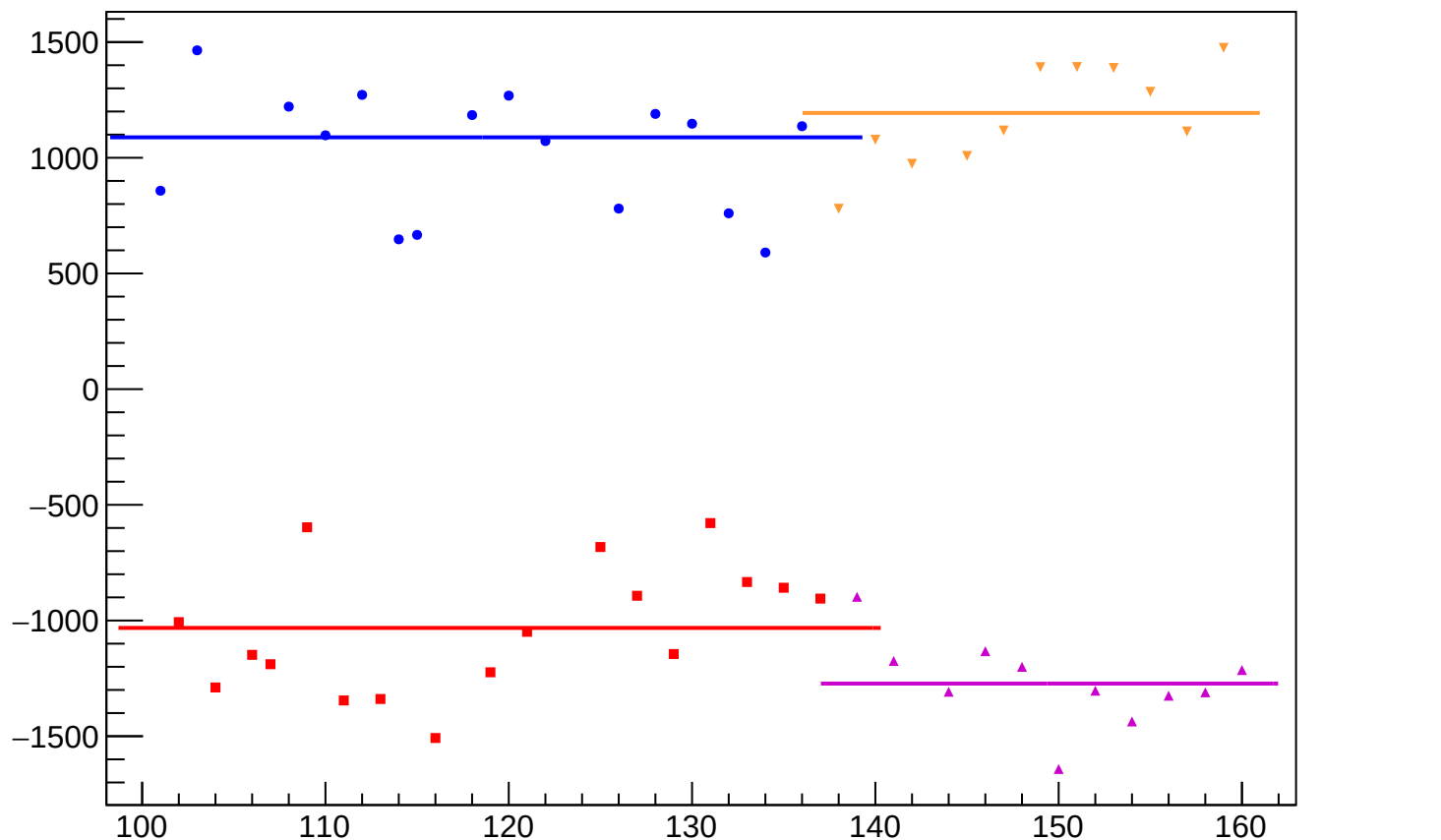
χ^2/NDF : 23996601891457376807935240829130506240.0/16

Left In: -193.848 +/- 0.000

χ^2/NDF : 586629985939156798428558842319077376.0/10

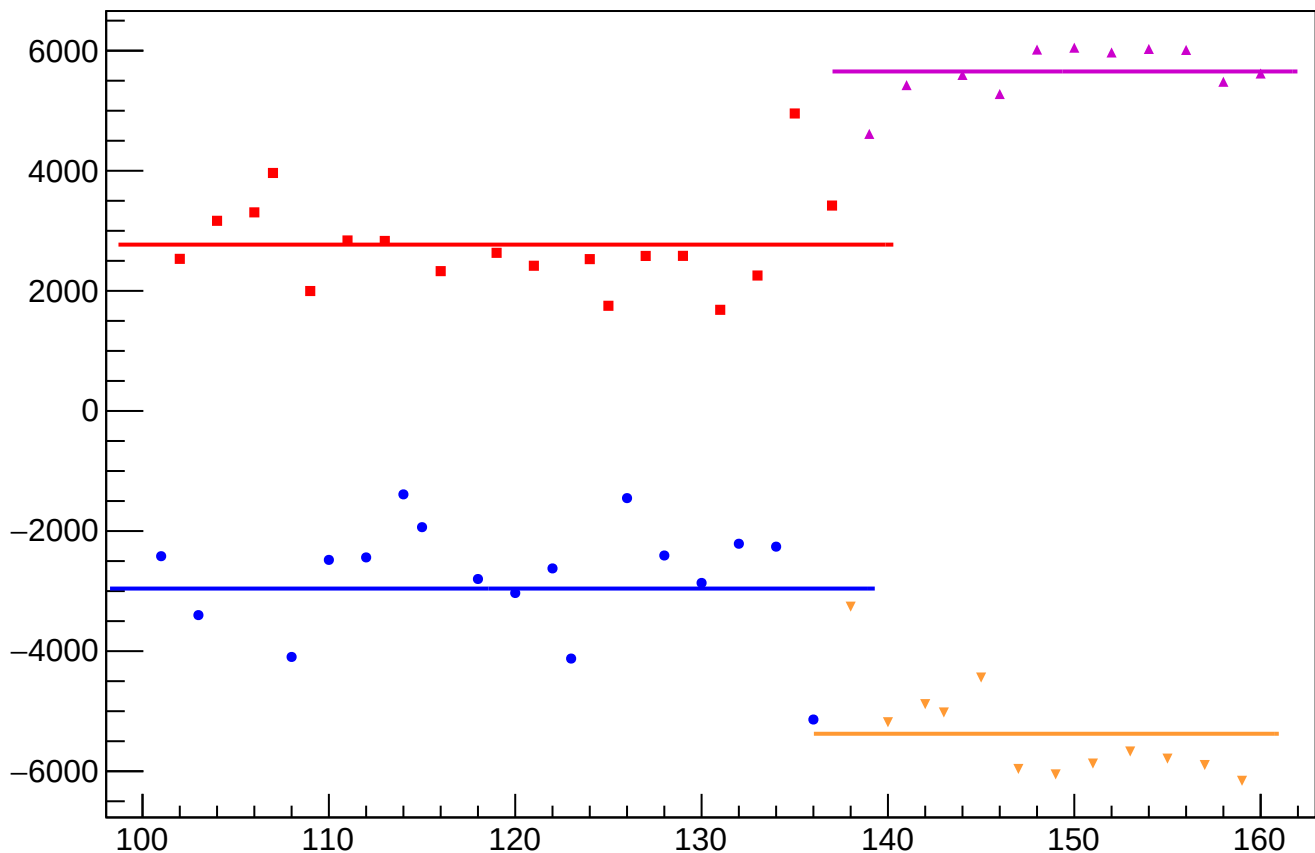
Left: -13.162 +/- 0.000 χ^2/NDF : 6602979592425474
 Right: -14.770 +/- 0.000 χ^2/NDF : 110839210771107
 In: -24.127 +/- 0.000 χ^2/NDF : 84295315257804686
 Out: -3.078 +/- 0.000 χ^2/NDF : 92225228487056361
 All: -13.868 +/- 0.000 χ^2/NDF : 176871022937

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

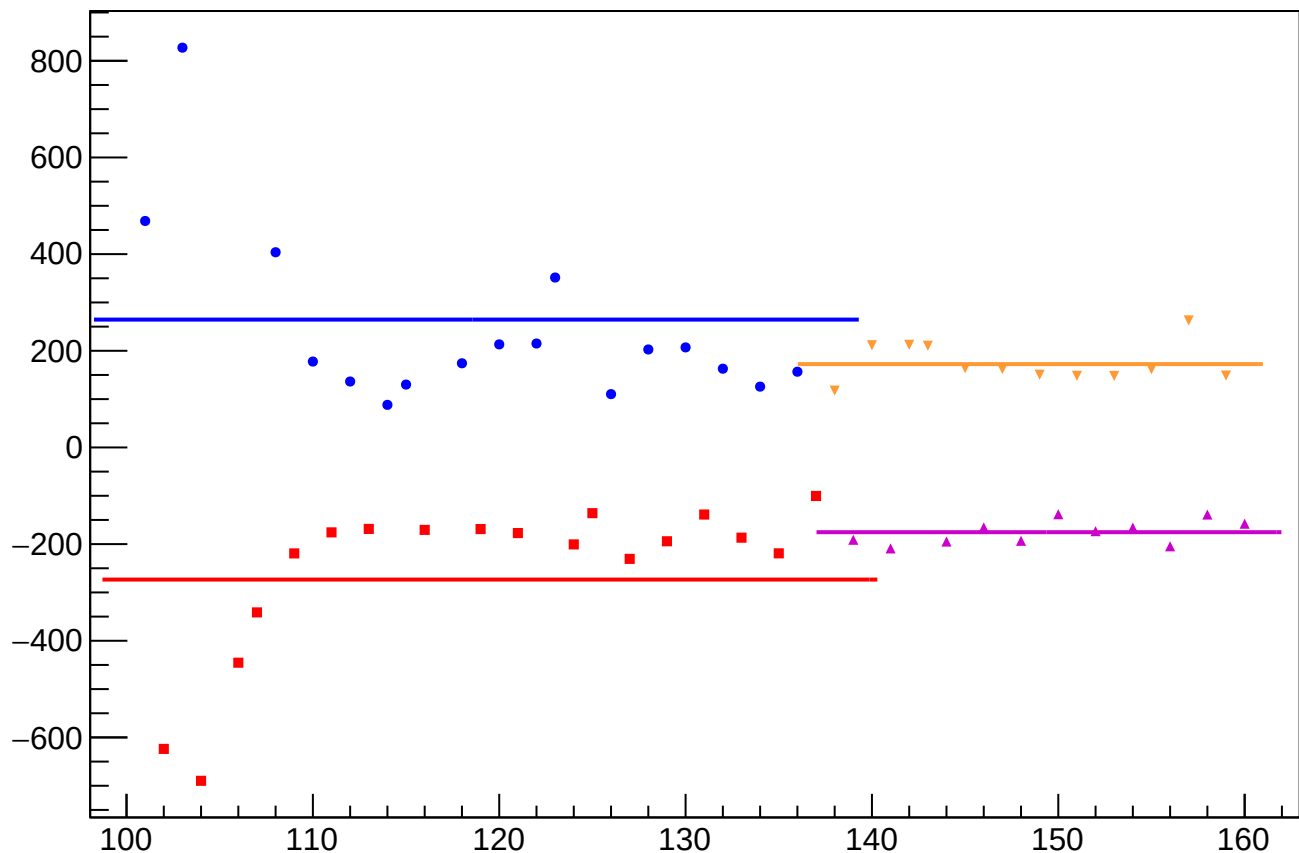
Right: -50.973+/-0.000 χ^2/NDF : 127133701983019

In: 1980.543+/-0.000 χ^2/NDF : 3038851116540527

Out: -1789.270+/-0.000 χ^2/NDF : 27616678894170

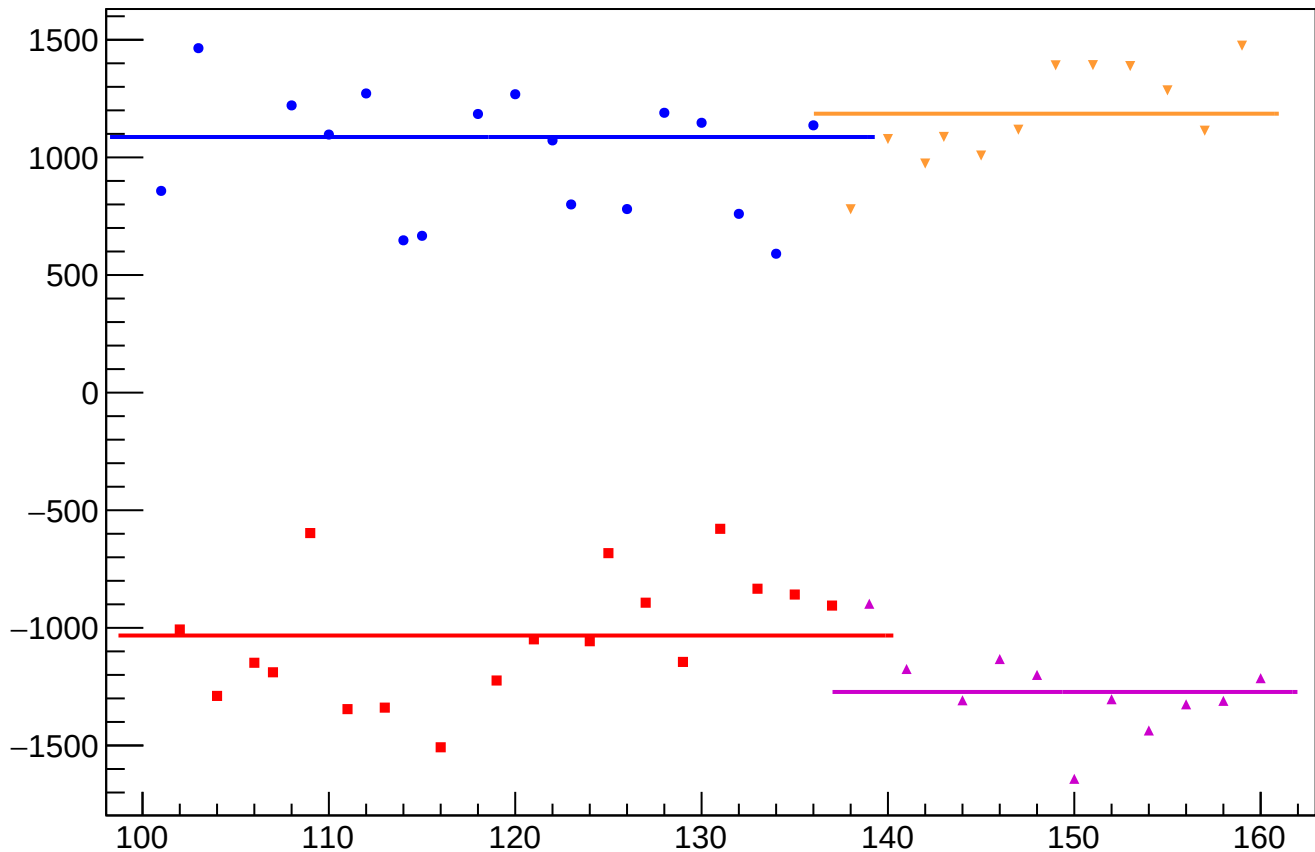
All: 97.376+/-0.000 χ^2/NDF : 6955557422403

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+/-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

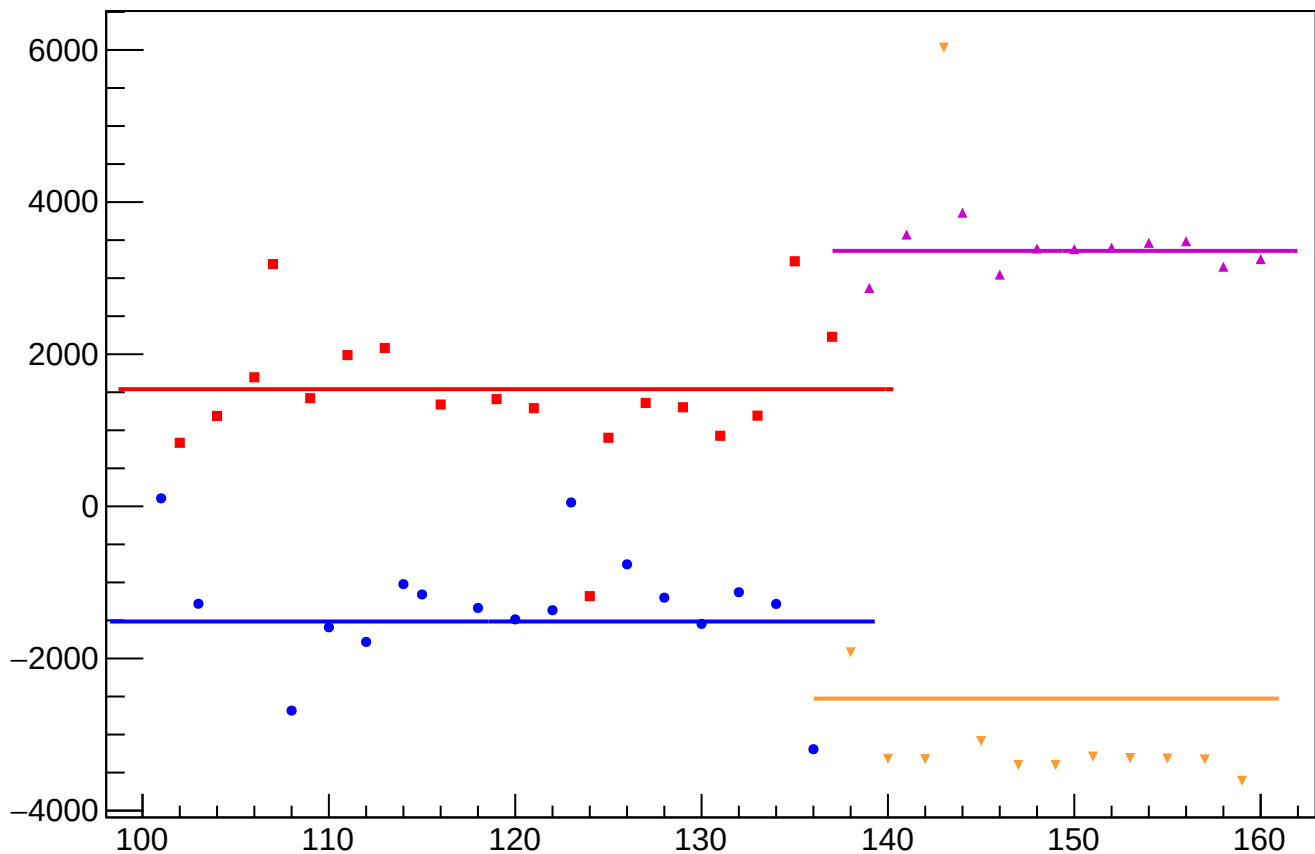
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

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_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

Left: 454.239 +/- 0.000 χ^2/NDF : 2146217616354959

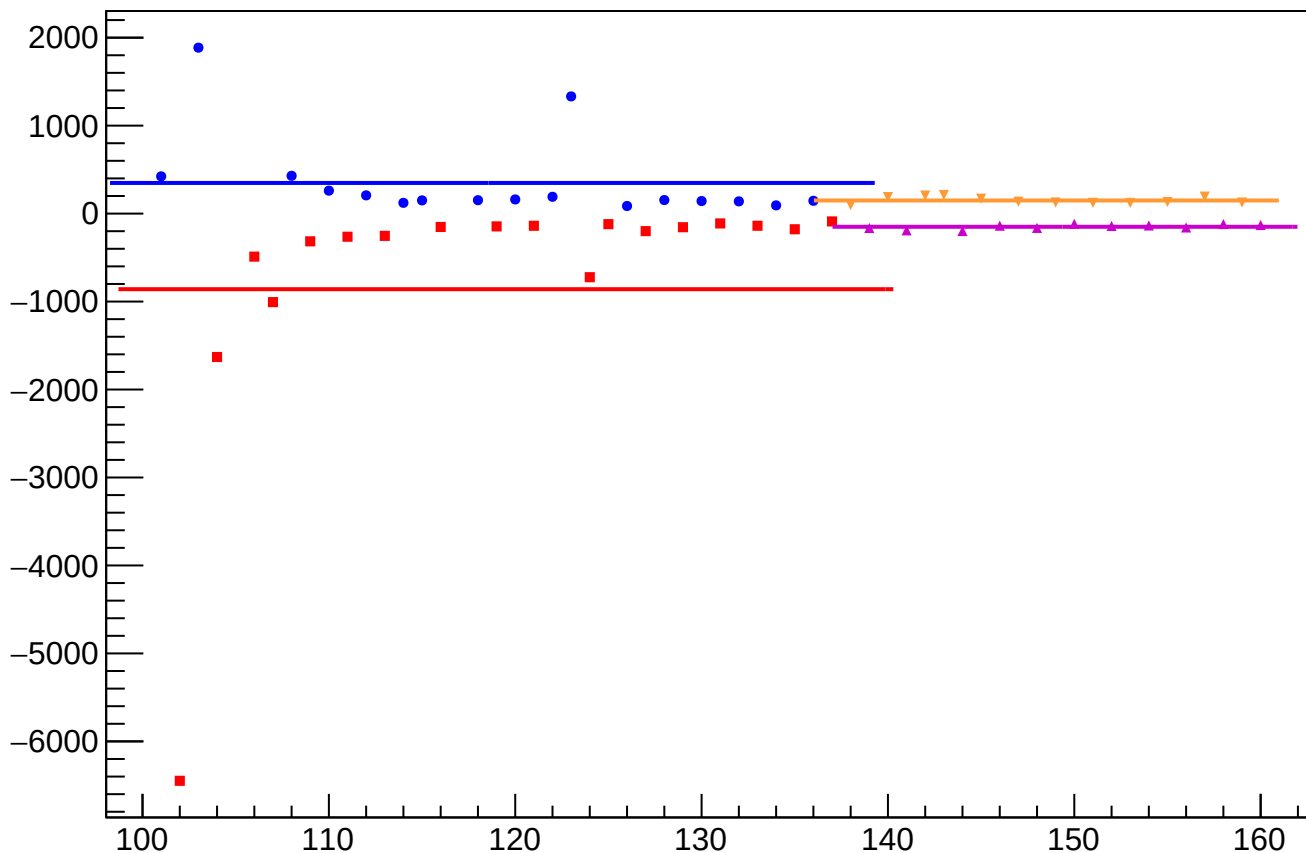
Right: 36.245 +/- 0.000 χ^2/NDF : 4245699622257131

In: 1280.444 +/- 0.000 χ^2/NDF : 100231179905351

Out: -736.148 +/- 0.000 χ^2/NDF : 125190807044602

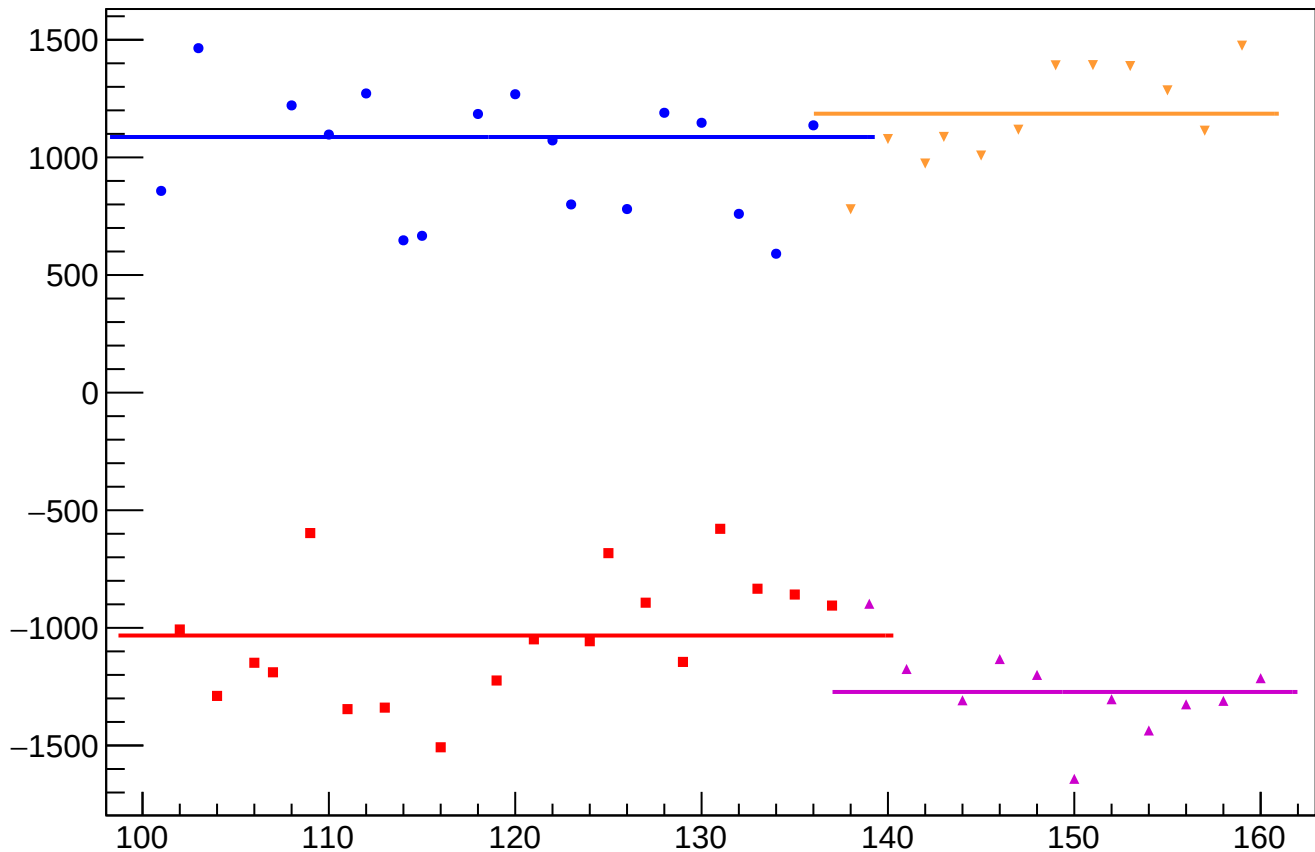
All: 273.078 +/- 0.000 χ^2/NDF : 258473599670

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

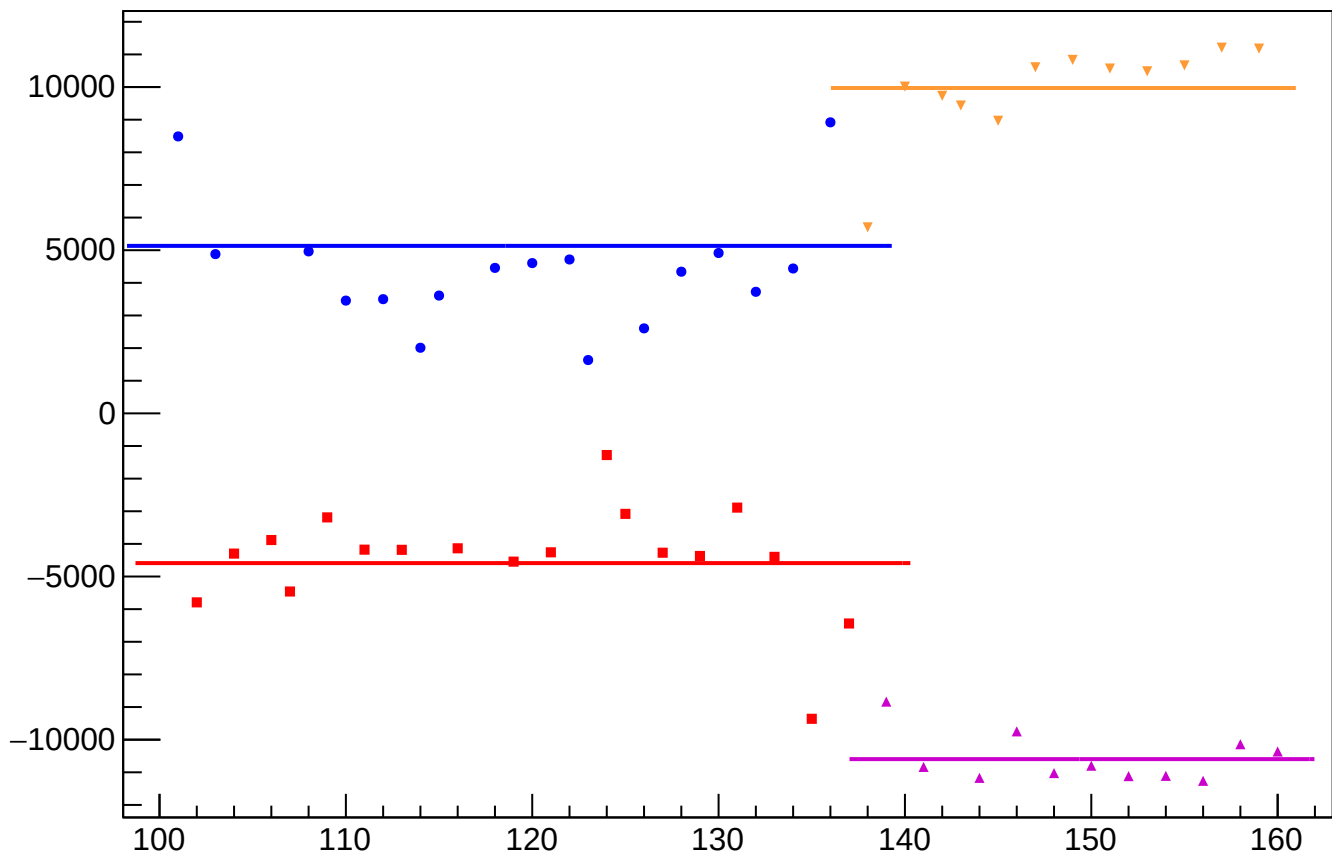
χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

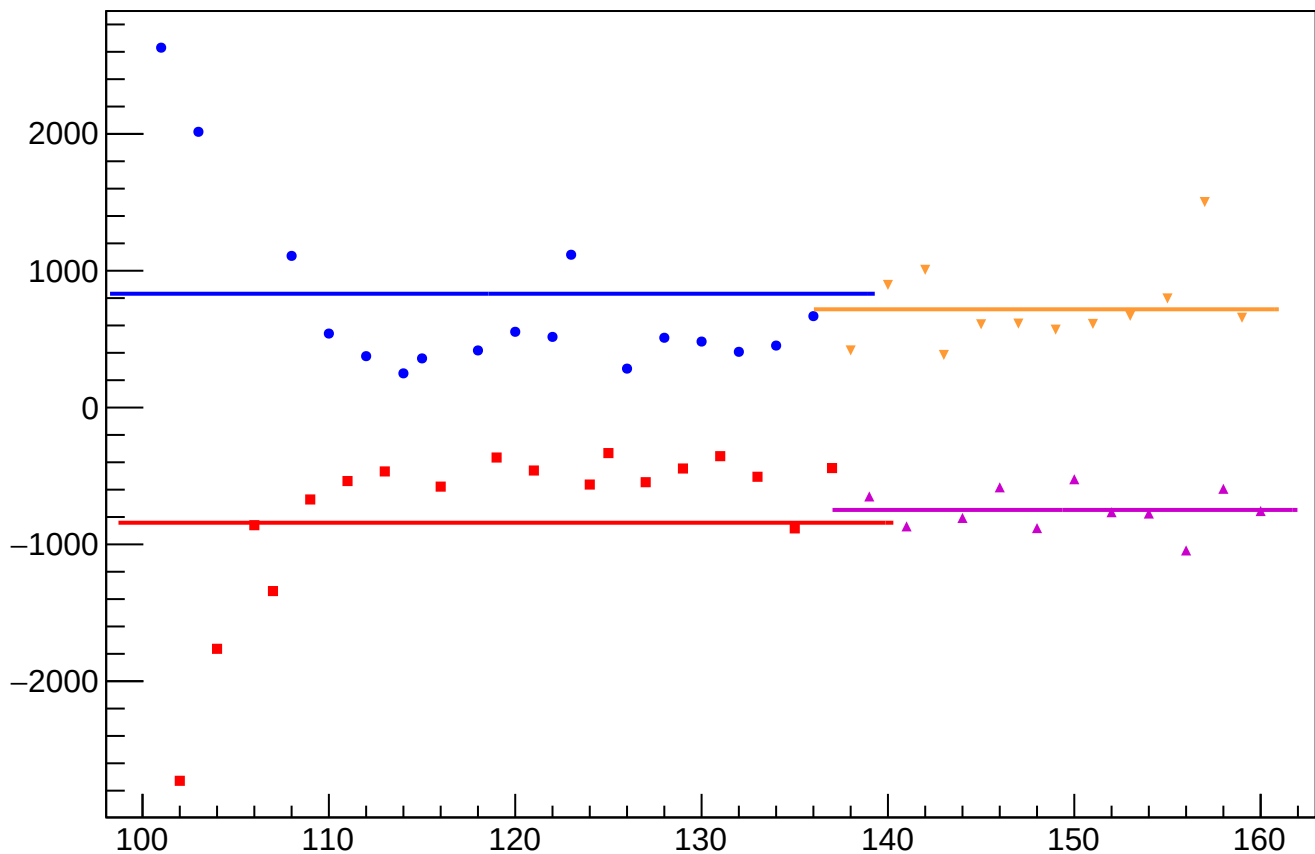
Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934
 Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158
 In: -266.178+/-0.000 χ^2/NDF : 2279519380852013
 Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_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

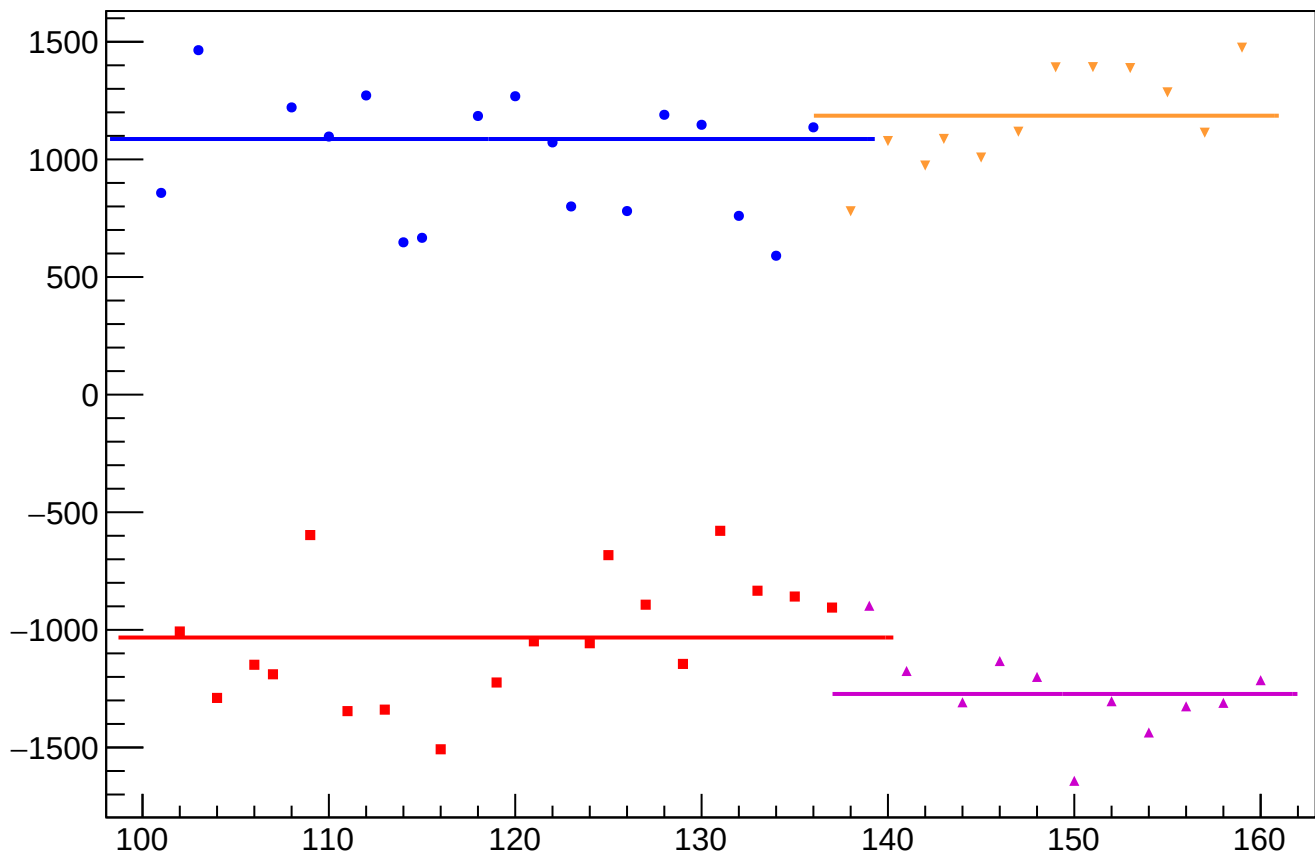
Right: -17.342+/-0.000 χ^2/NDF : 166312131031123

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

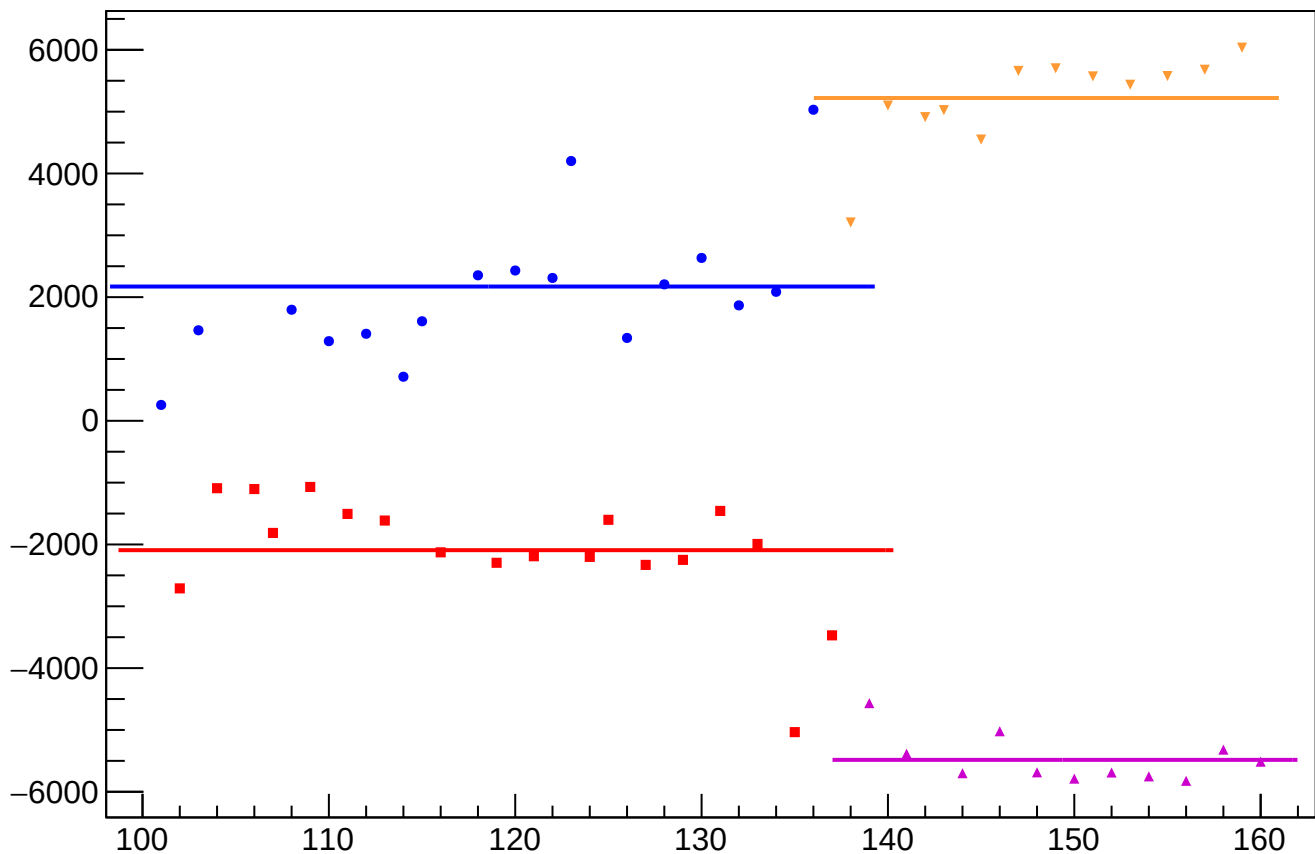
χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

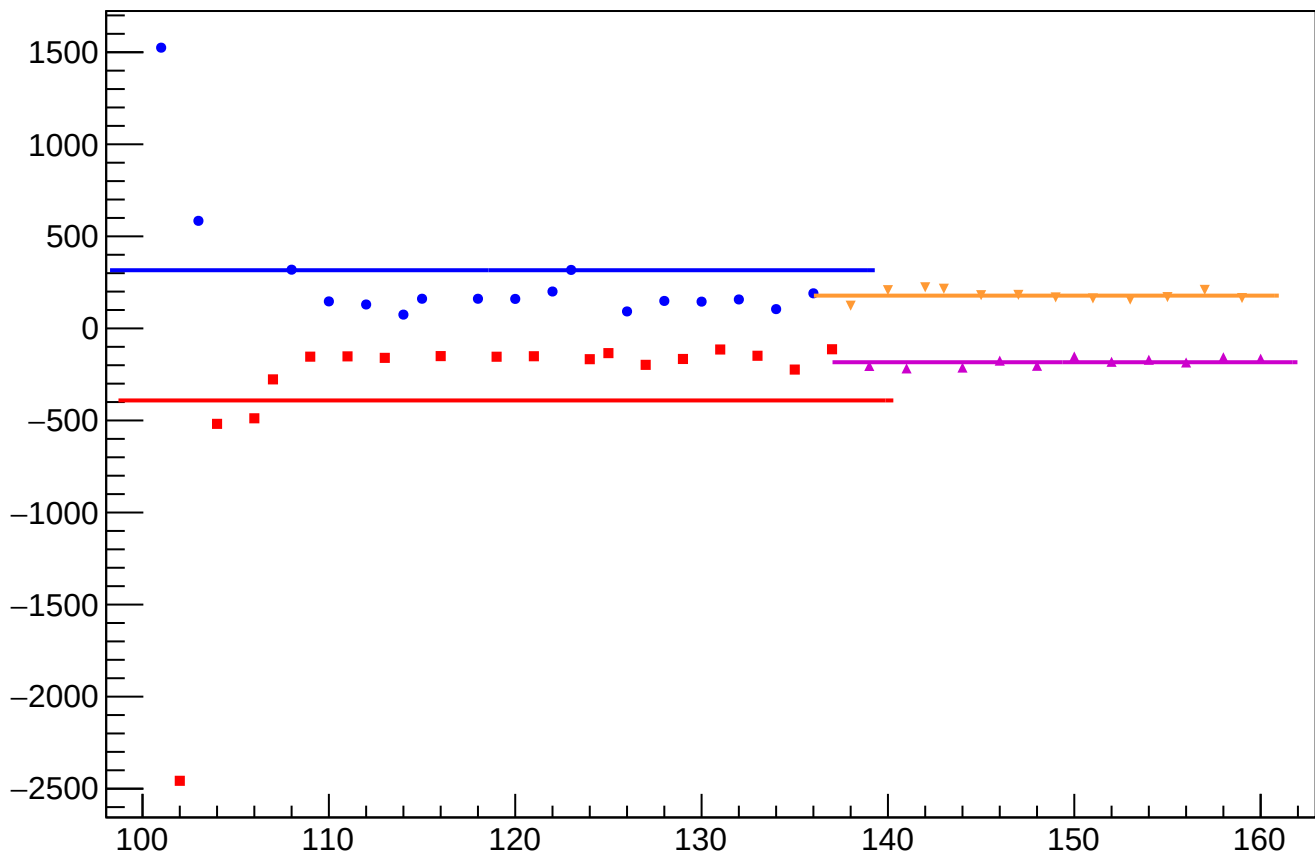
Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934
 Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158
 In: -266.178+/-0.000 χ^2/NDF : 2279519380852013
 Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

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

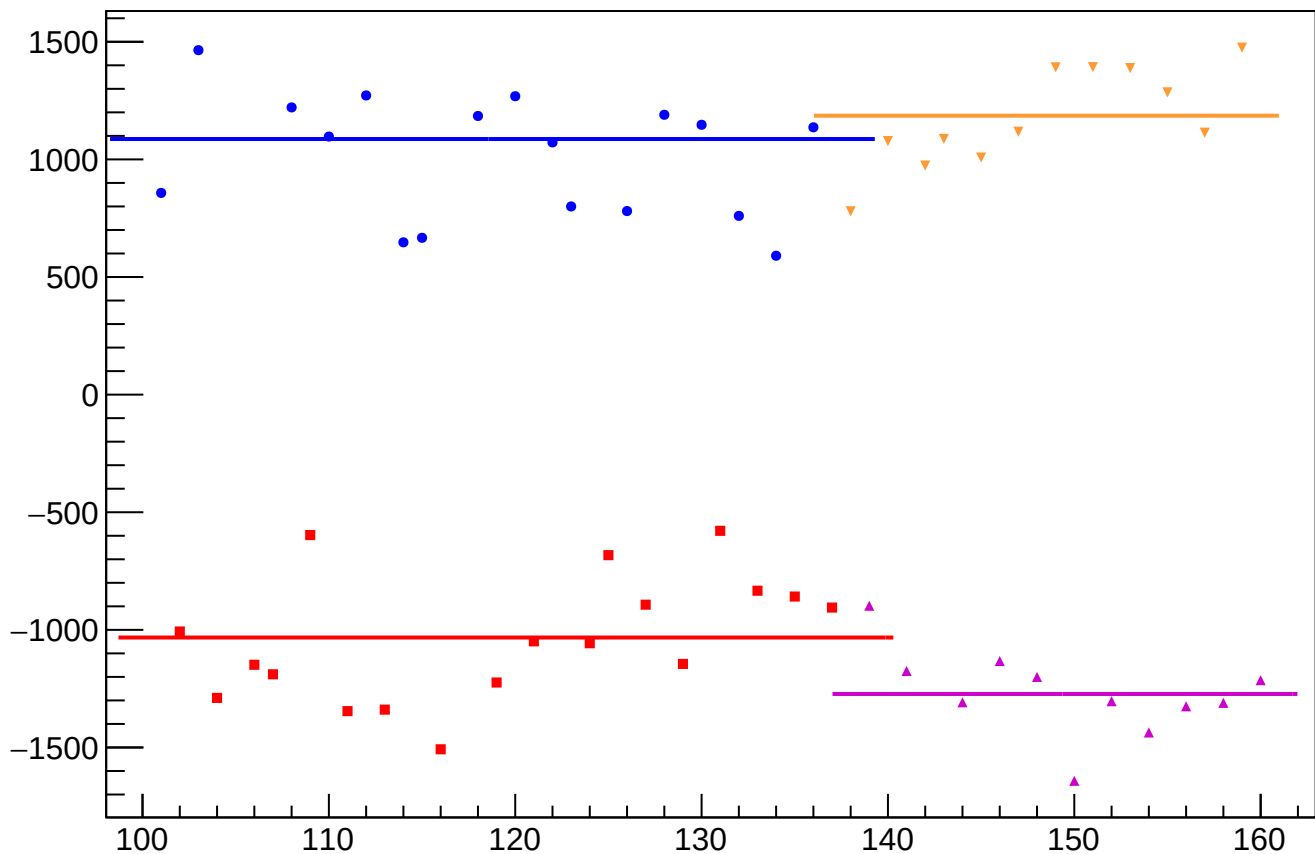
Right: -42.897+/-0.000 χ^2/NDF : 560008515925605

In: 29.447+/-0.000 χ^2/NDF : 205049108626459629

Out: -72.578+/-0.000 χ^2/NDF : 4089822569698594

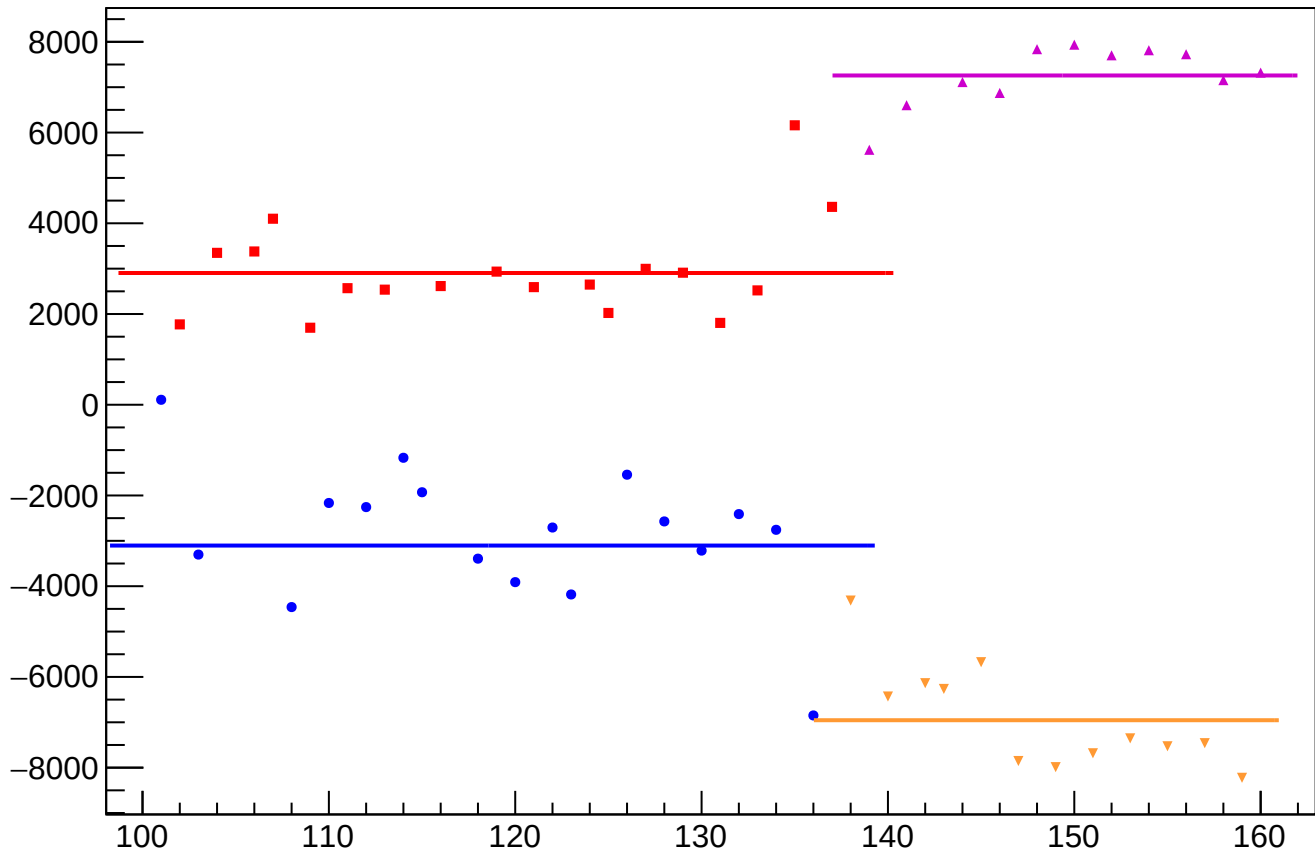
All: -21.518+/-0.000 χ^2/NDF : 622491467399

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

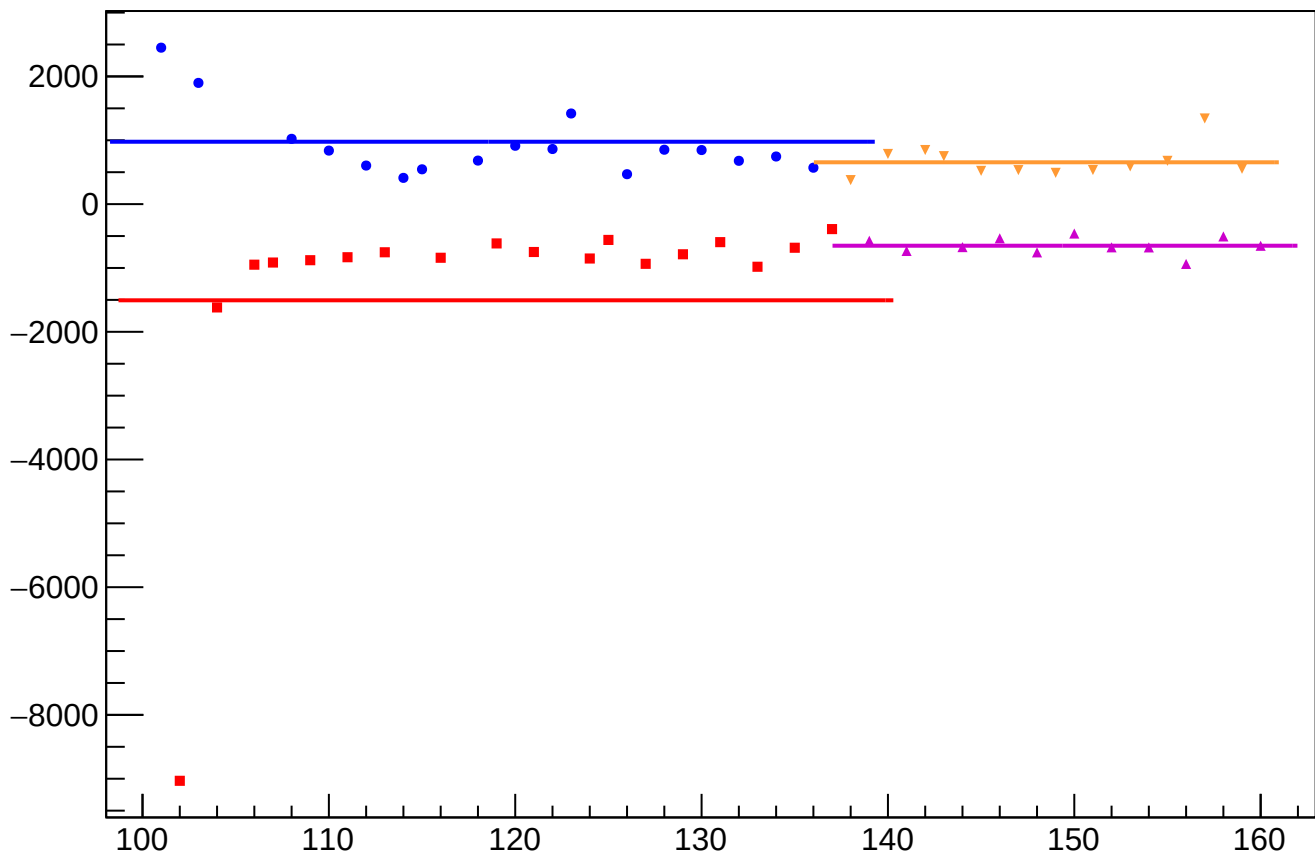
Right: -55.222+/-0.000 χ^2/NDF : 157960799748742

In: 2838.170+/-0.000 χ^2/NDF : 4535502787574974

Out: -2613.942+/-0.000 χ^2/NDF : 40895790477576

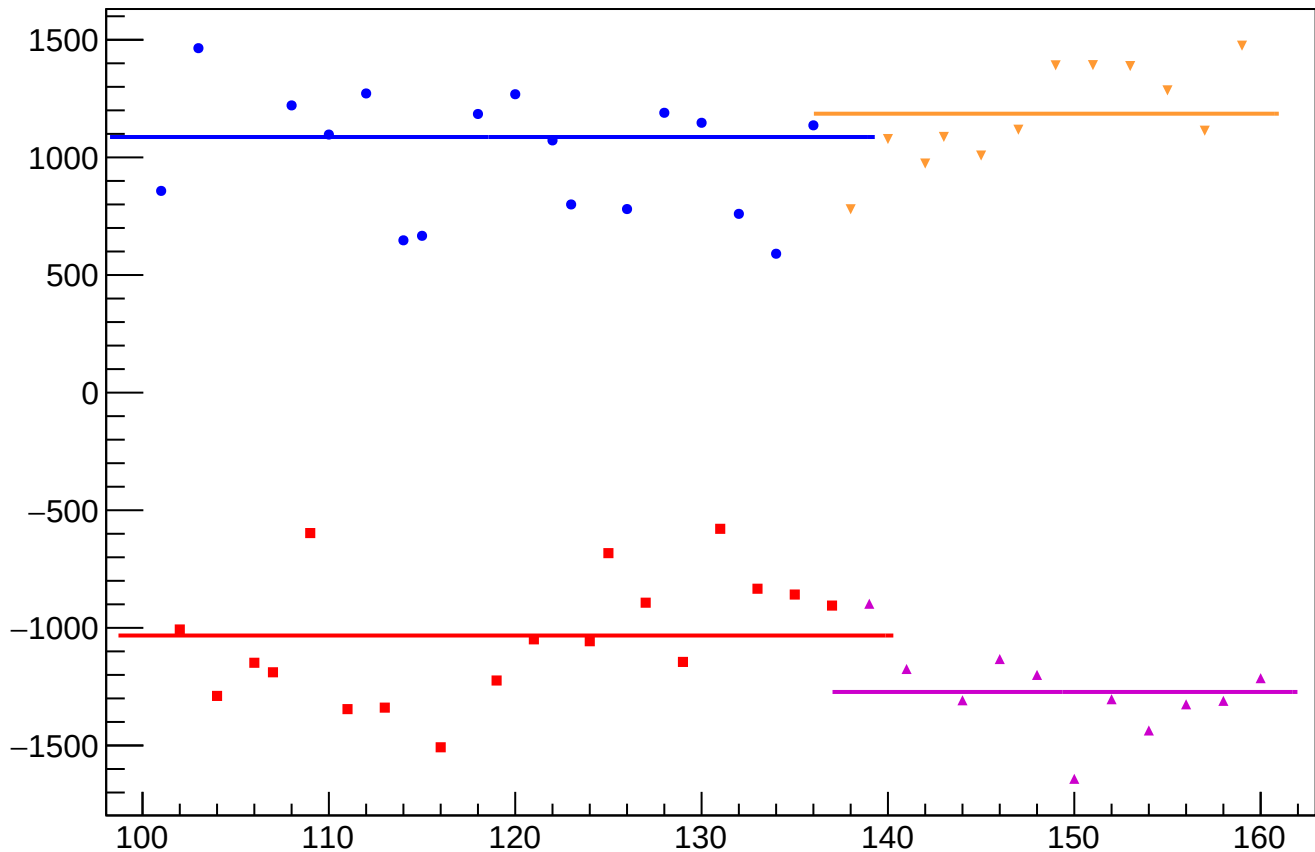
All: 114.630+/-0.000 χ^2/NDF : 11041021813

dit_atr2_coil3_err_mean vs Slug, Sign Corrected



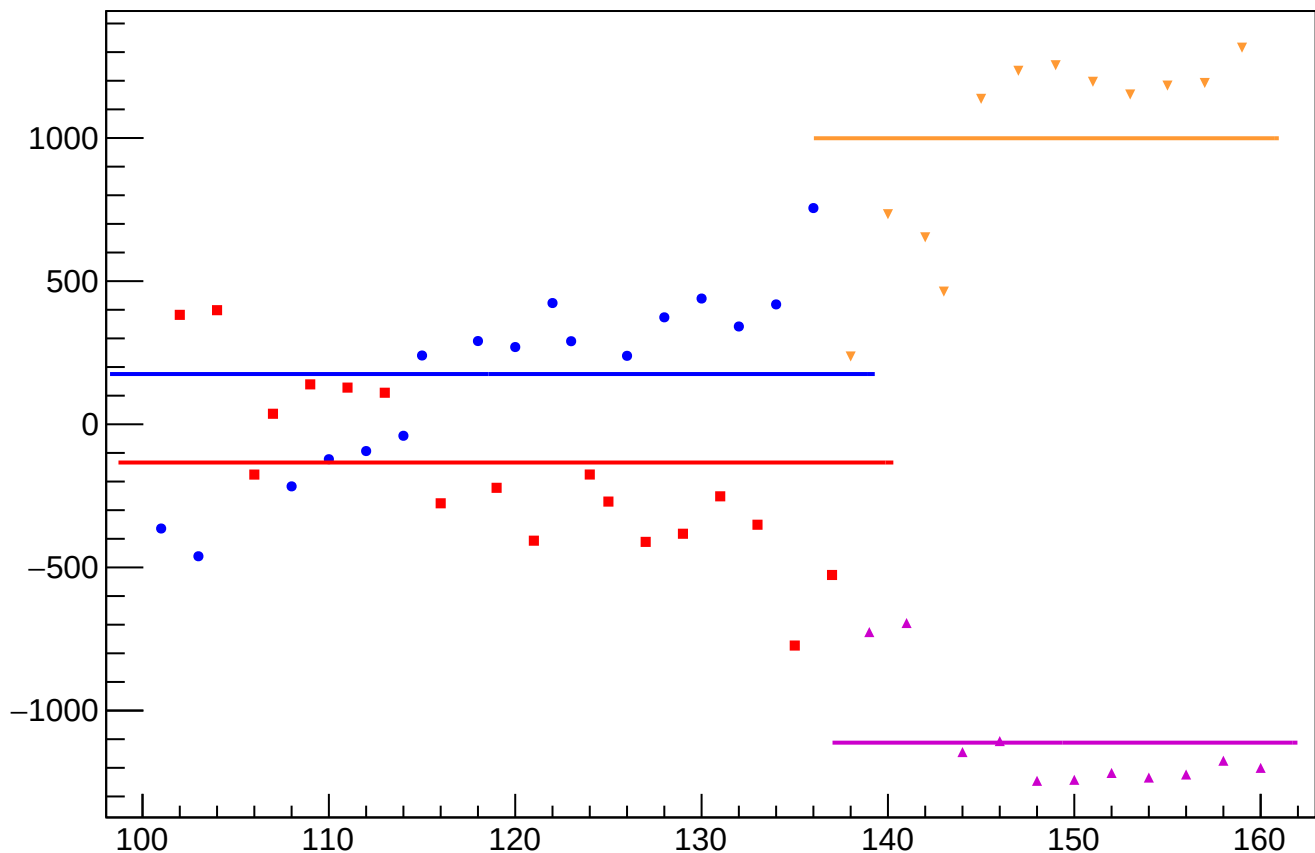
Right In: 977.095 ± 0.000 $\chi^2/\text{NDF}: 229572106069348964280530708212477853696.0/16$
 Left Out: 655.166 ± 0.000 $\chi^2/\text{NDF}: 51874874251518032023744139034586251264.0/11$
 Right Out: -1506.543 ± 0.000 $\chi^2/\text{NDF}: 3621204096431683433019783695973291655168.0/17$
 Left In: -651.533 ± 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

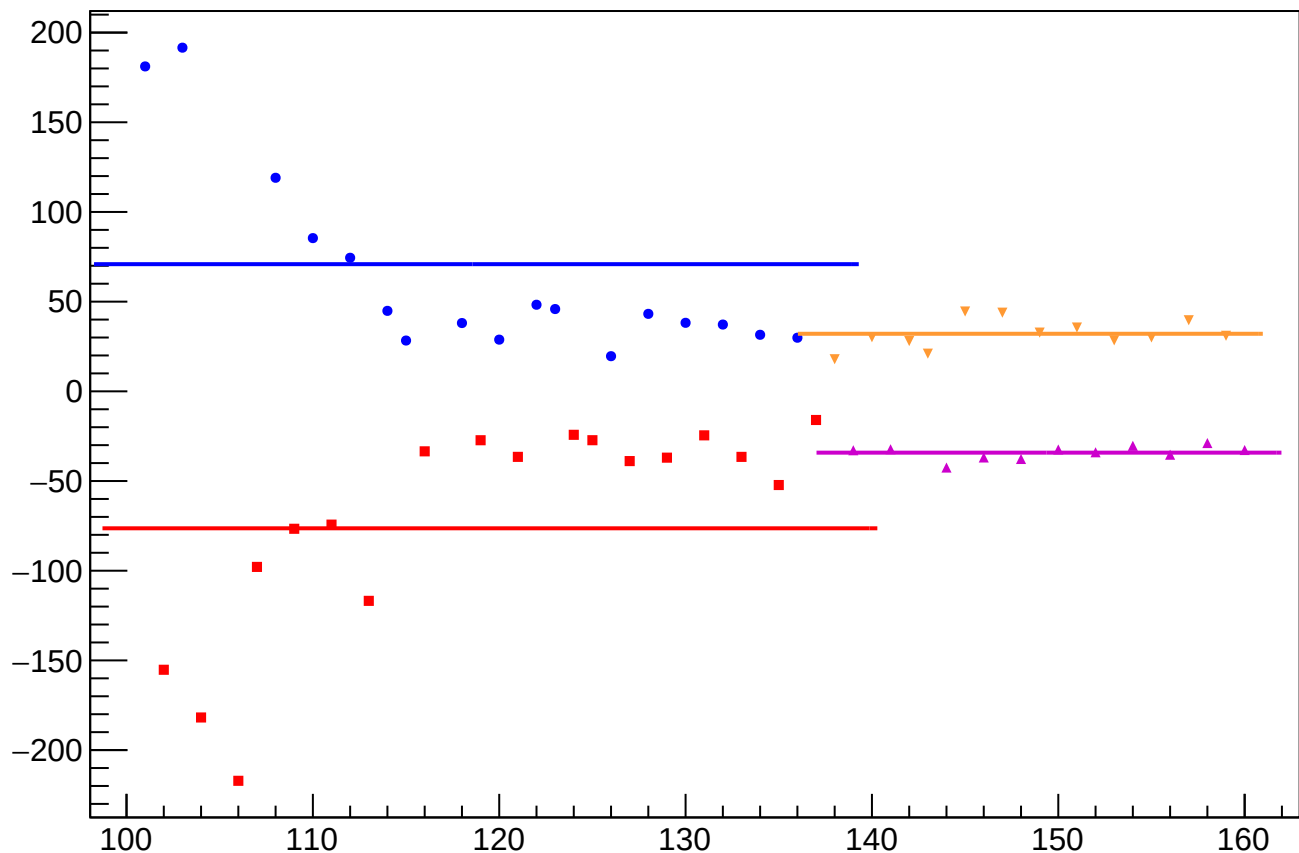
Right: 18.704 +/- 0.000 χ^2/NDF : 2053948365154779

In: -562.841 +/- 0.000 χ^2/NDF : 7898474617781587

Out: 500.465 +/- 0.000 χ^2/NDF : 6950350605404624

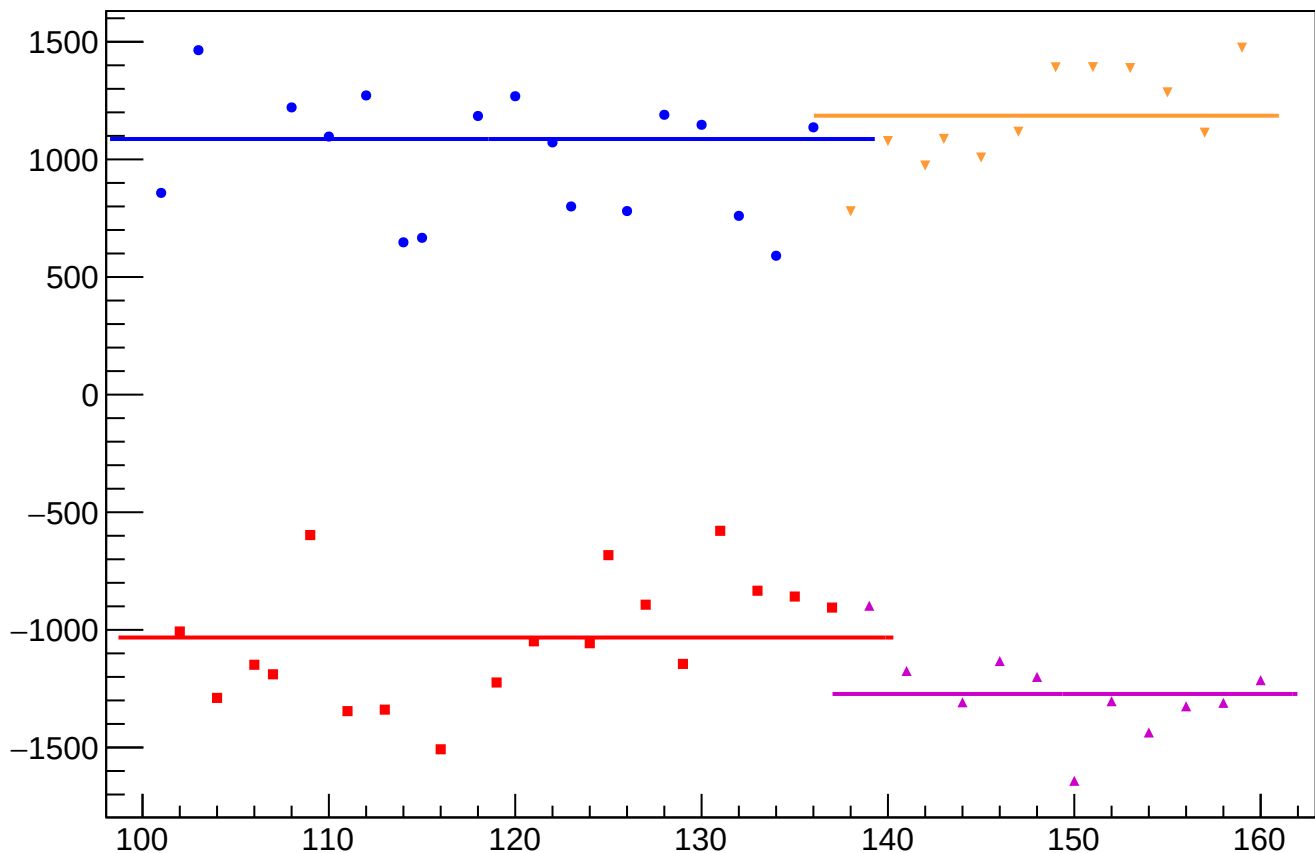
All: -31.679 +/- 0.000 χ^2/NDF : 240379233691

dit_sam1_coil3_err_mean vs Slug, Sign Corrected



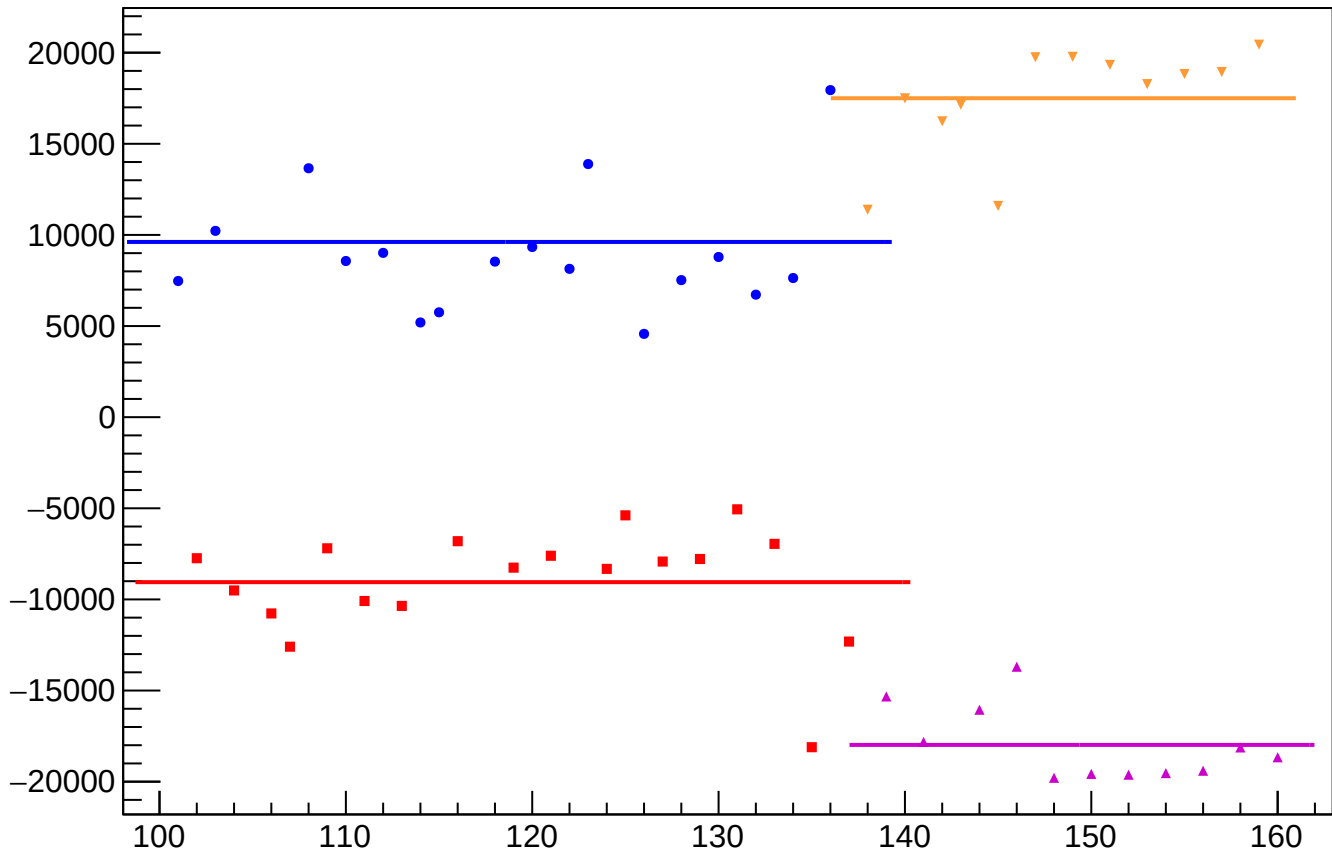
Right In: 70.892+/-0.000 χ^2/NDF : 2275734493854200628376973265629872128.0/16
 Left Out: 32.091+/-0.000 χ^2/NDF : 54625109486428917738965927425212416.0/11
 Right Out: -76.360+/-0.000 χ^2/NDF : 2382375226603203691068269213188620288.0/17
 Left In: -34.184+/-0.000 χ^2/NDF : 12426918146189706802189676664848384.0/10
 All: -2.498+/-0.000 χ^2/NDF : 1438817264667

dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000 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_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

Left: -472.367 $\pm$ 0.000 χ^2/NDF : 591154280193240

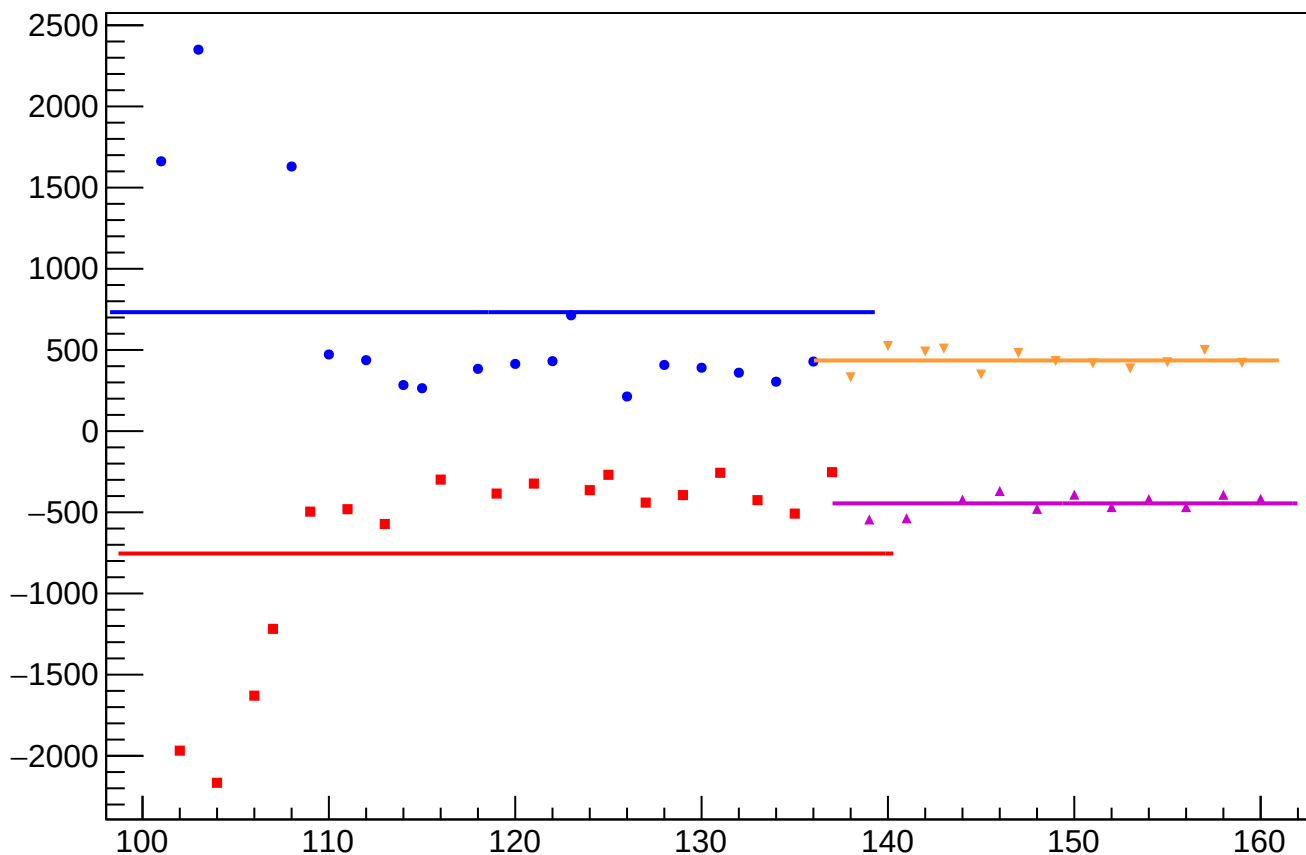
Right: 142.135 $\pm$ 0.000 χ^2/NDF : 138895846085012

In: -6211.157 $\pm$ 0.000 χ^2/NDF : 316153792077492

Out: 5810.172 $\pm$ 0.000 χ^2/NDF : 296745484987090

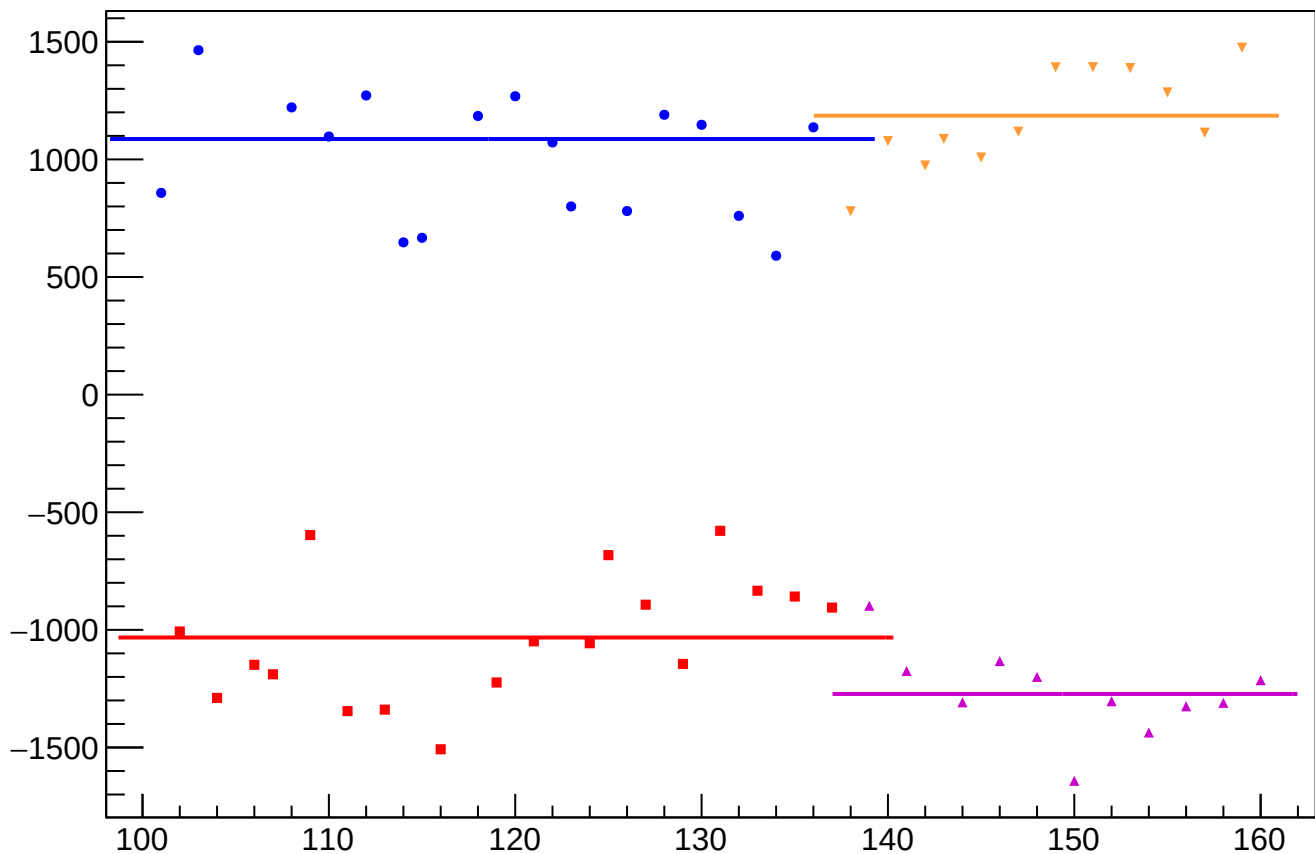
All: -206.039 $\pm$ 0.000 χ^2/NDF : 73035158648

dit_sam2_coil3_err_mean vs Slug, Sign Corrected



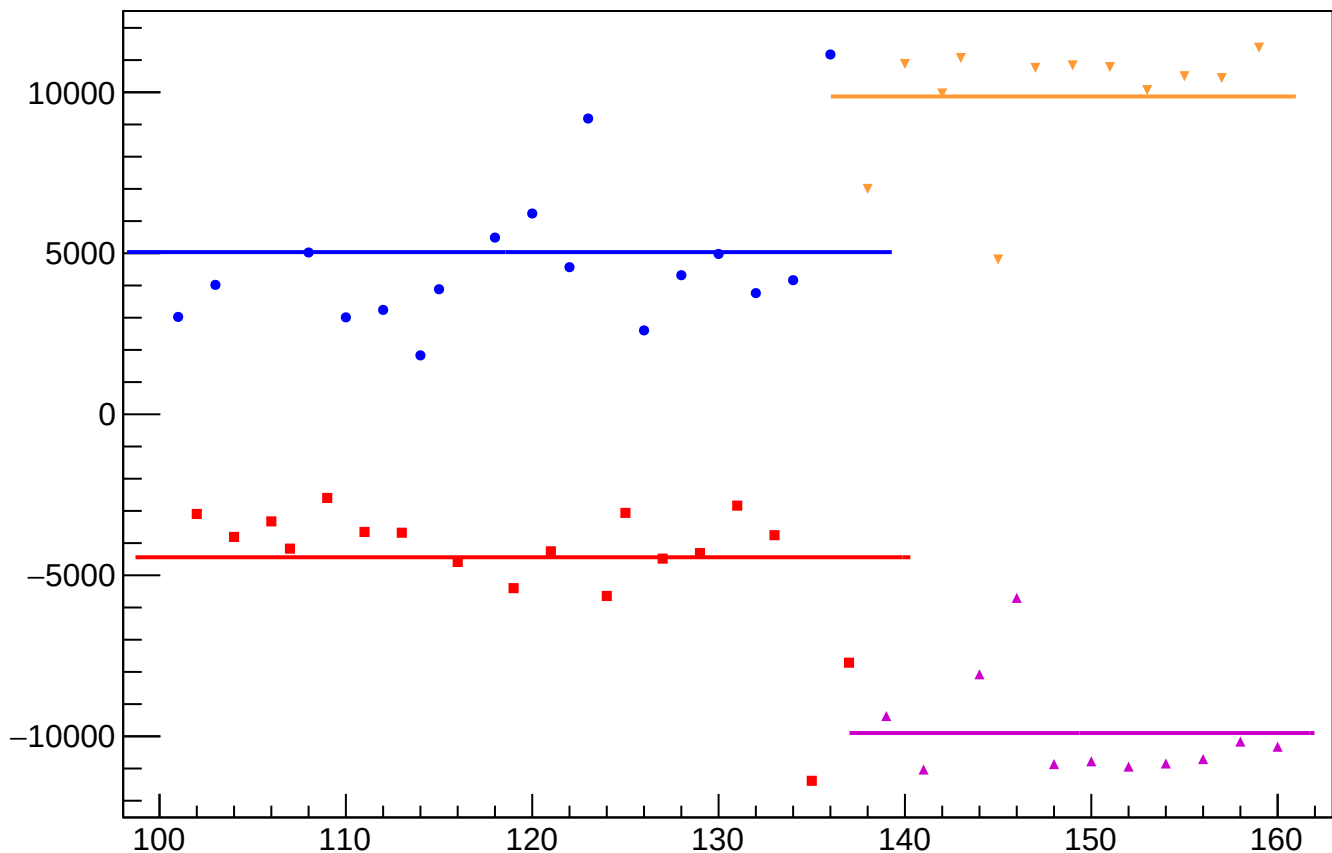
Right In: 732.742+/-0.000 χ^2/NDF : 301740459340268060292037793871684435968.0/16
 Left Out: 435.461+/-0.000 χ^2/NDF : 3296772866704872156721083756341886976.0/11
 Right Out: -753.888+/-0.000 χ^2/NDF : 288199108578840040054796930815893700608.0/17
 Left In: -445.056+/-0.000 χ^2/NDF : 2842998762330216596366474874240106496.0/10
 All: -15.352+/-0.000 χ^2/NDF : 173147179684

dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected



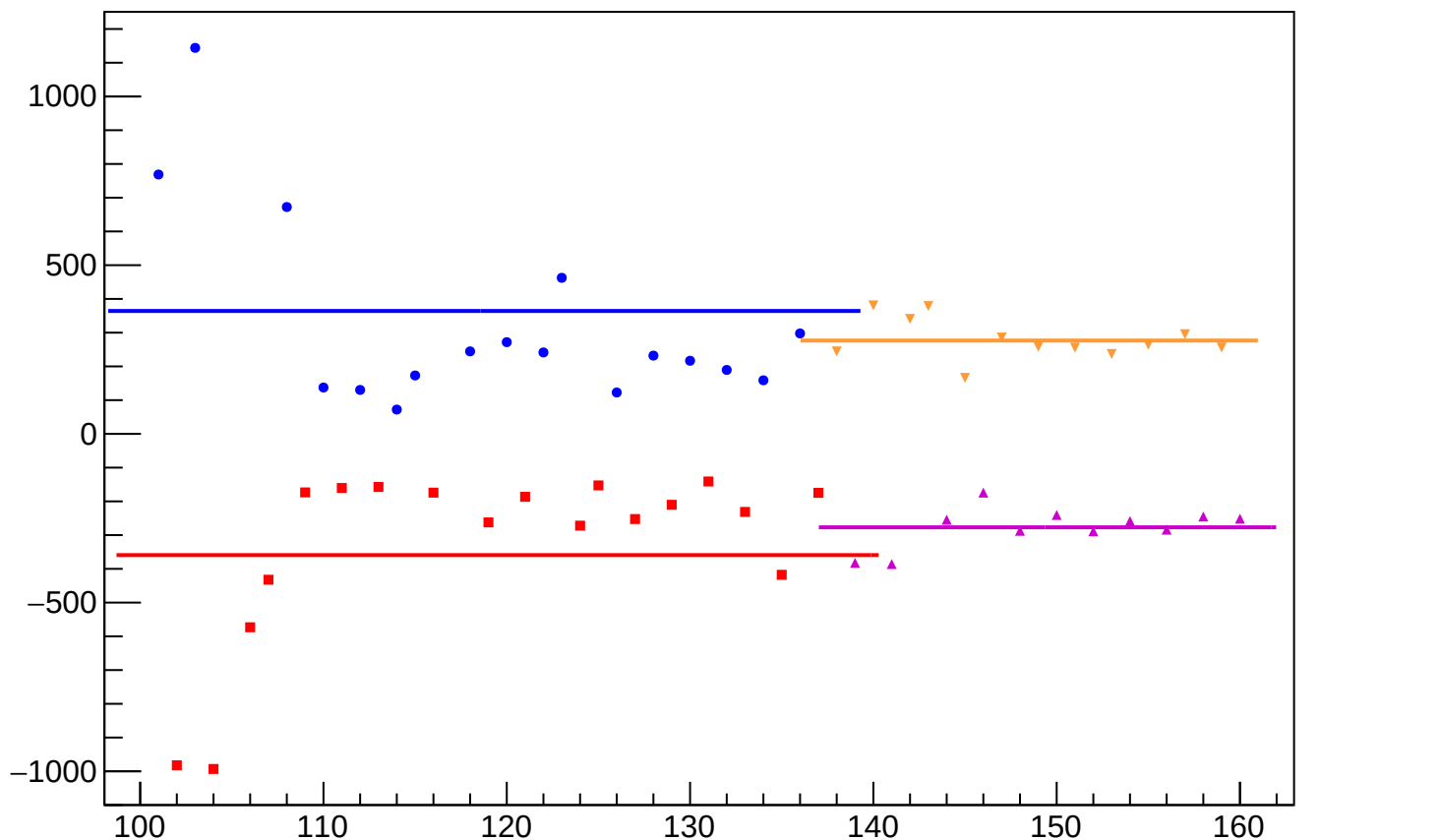
Right In: 1086.695 $\pm$ 0.000 χ^2 /NDF: 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823 $\pm$ 0.000 χ^2 /NDF: 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544 $\pm$ 0.000 χ^2 /NDF: 47614887029691398867923382029973979136.0/17
 Left In: -1272.495 $\pm$ 0.000 χ^2 /NDF: 29878198288838193261445678233542459392.0/10
 All: -28.738 $\pm$ 0.000 χ^2 /NDF: 451779050699

dit_sam3_coil3_mean vs Slug, Sign Corrected



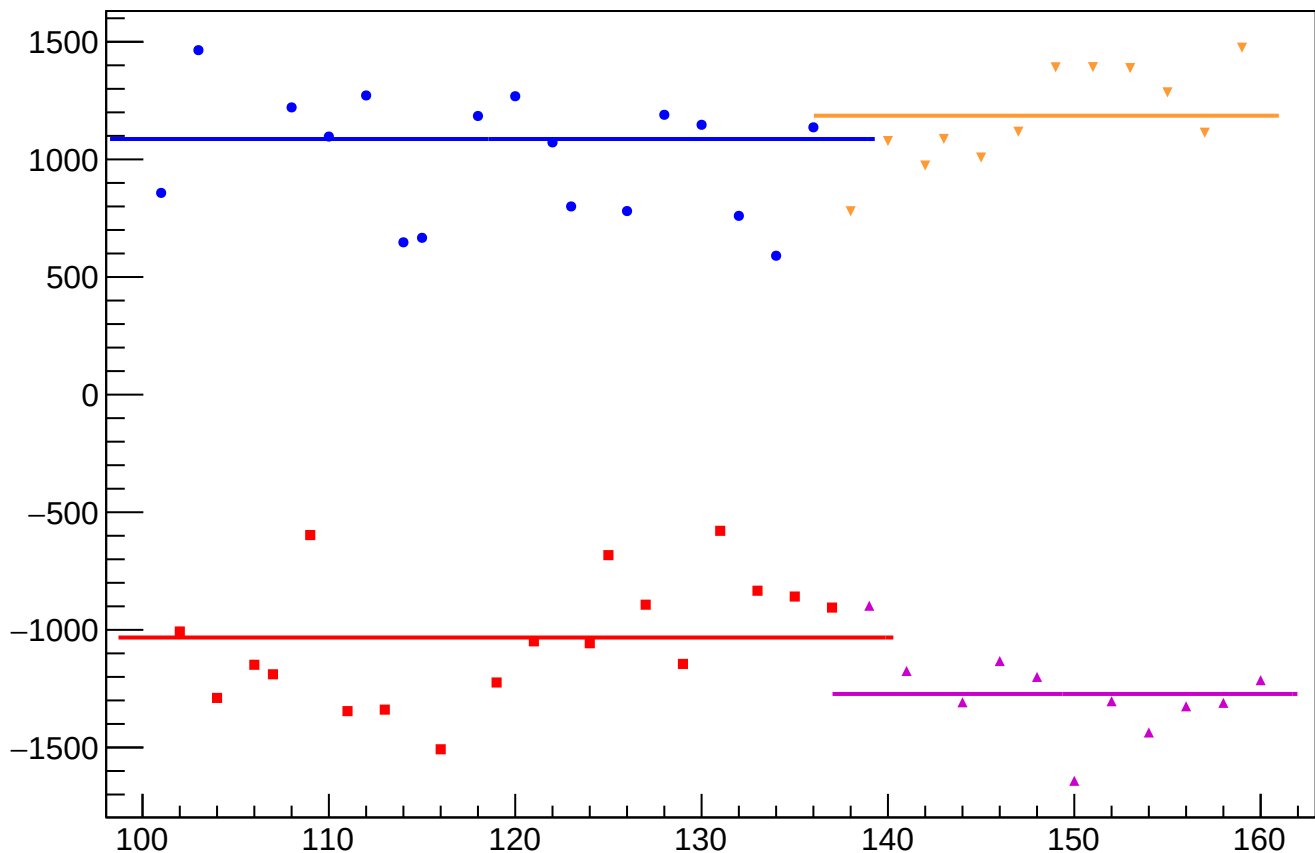
Right In: 5037.073 ± 0.000 $\chi^2/\text{NDF}: 4548828903802726251449084375770641465344.0/16$
 Left Out: 9869.728 ± 0.000 $\chi^2/\text{NDF}: 3268331225481673138710181152096956448768.0/11$
 Right Out: -4439.378 ± 0.000 $\chi^2/\text{NDF}: 3162947435976288372848793793706623762432.0/17$
 Left In: -9897.674 ± 0.000 $\chi^2/\text{NDF}: 2284840032345360361829819012042190749696.0/10$
 All: 18.033 ± 0.000 $\chi^2/\text{NDF}: 2249108527212$

dit_sam3_coil3_err_mean vs Slug, Sign Corrected



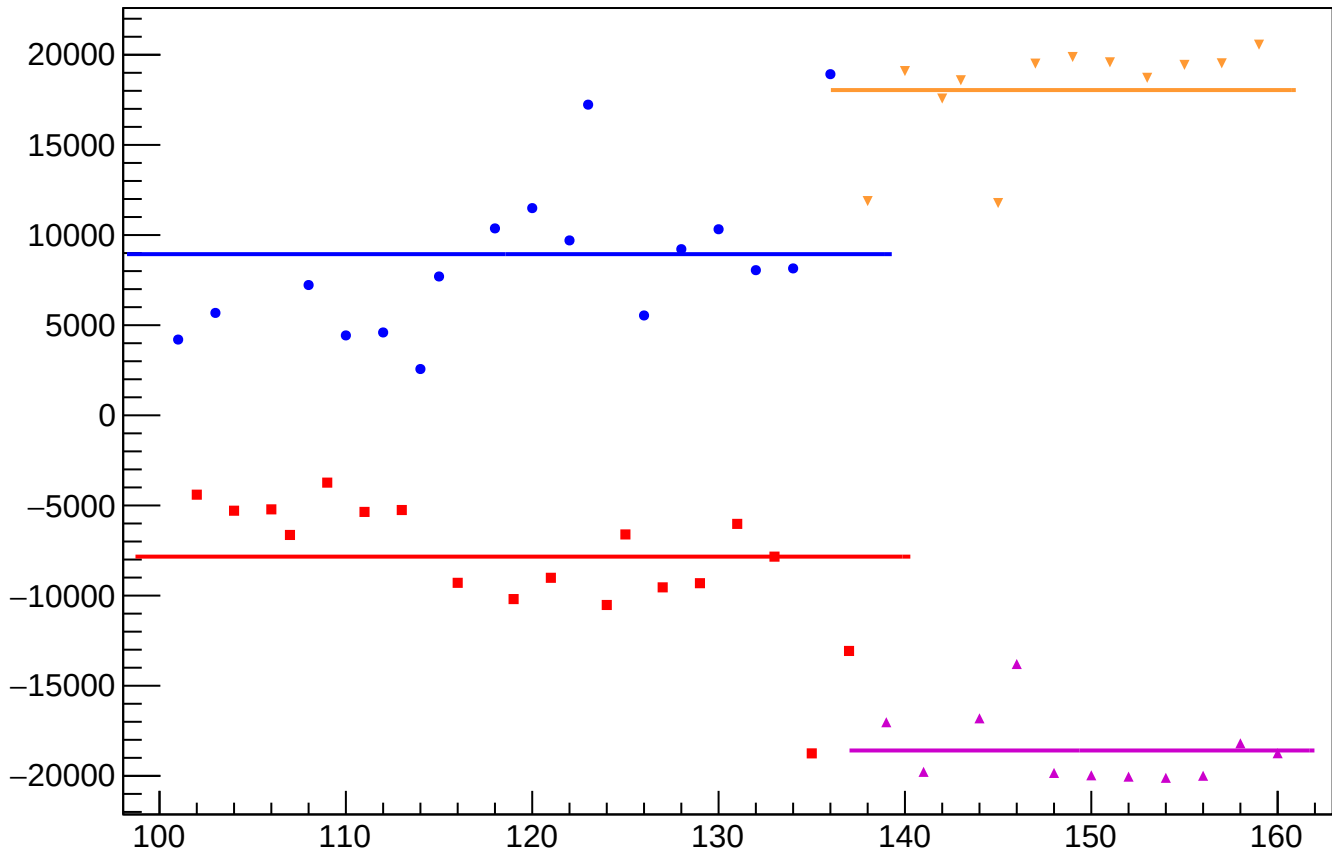
Left: -3.700 +/- 0.000 χ^2/NDF : 14733086249937499
 Right: -2.895 +/- 0.000 χ^2/NDF : 3070385632196005
 In: -3.394 +/- 0.000 χ^2/NDF : 230568672099103890
 Out: -3.308 +/- 0.000 χ^2/NDF : 22380126507815765
 All: -3.351 +/- 0.000 χ^2/NDF : 4543699433082

dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected



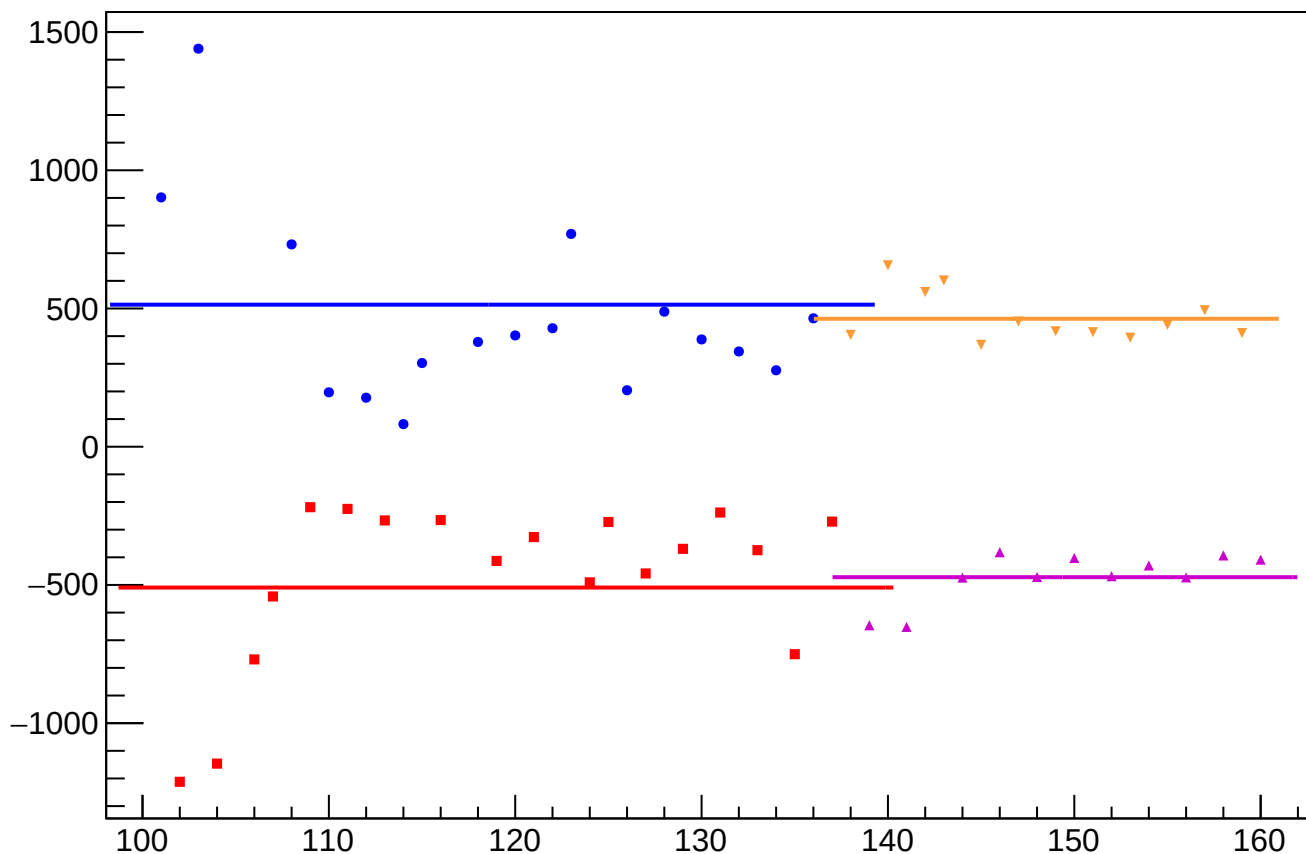
Right In: 1086.695 ± 0.000 $\chi^2/\text{NDF}: 34612834720892896264590202148866752512.0/16$
 Left Out: 1185.823 ± 0.000 $\chi^2/\text{NDF}: 37557683033316568818198536296895348736.0/11$
 Right Out: -1032.544 ± 0.000 $\chi^2/\text{NDF}: 47614887029691398867923382029973979136.0/17$
 Left In: -1272.495 ± 0.000 $\chi^2/\text{NDF}: 29878198288838193261445678233542459392.0/10$
 All: -28.738 ± 0.000 $\chi^2/\text{NDF}: 451779050699$

dit_sam4_coil3_mean vs Slug, Sign Corrected



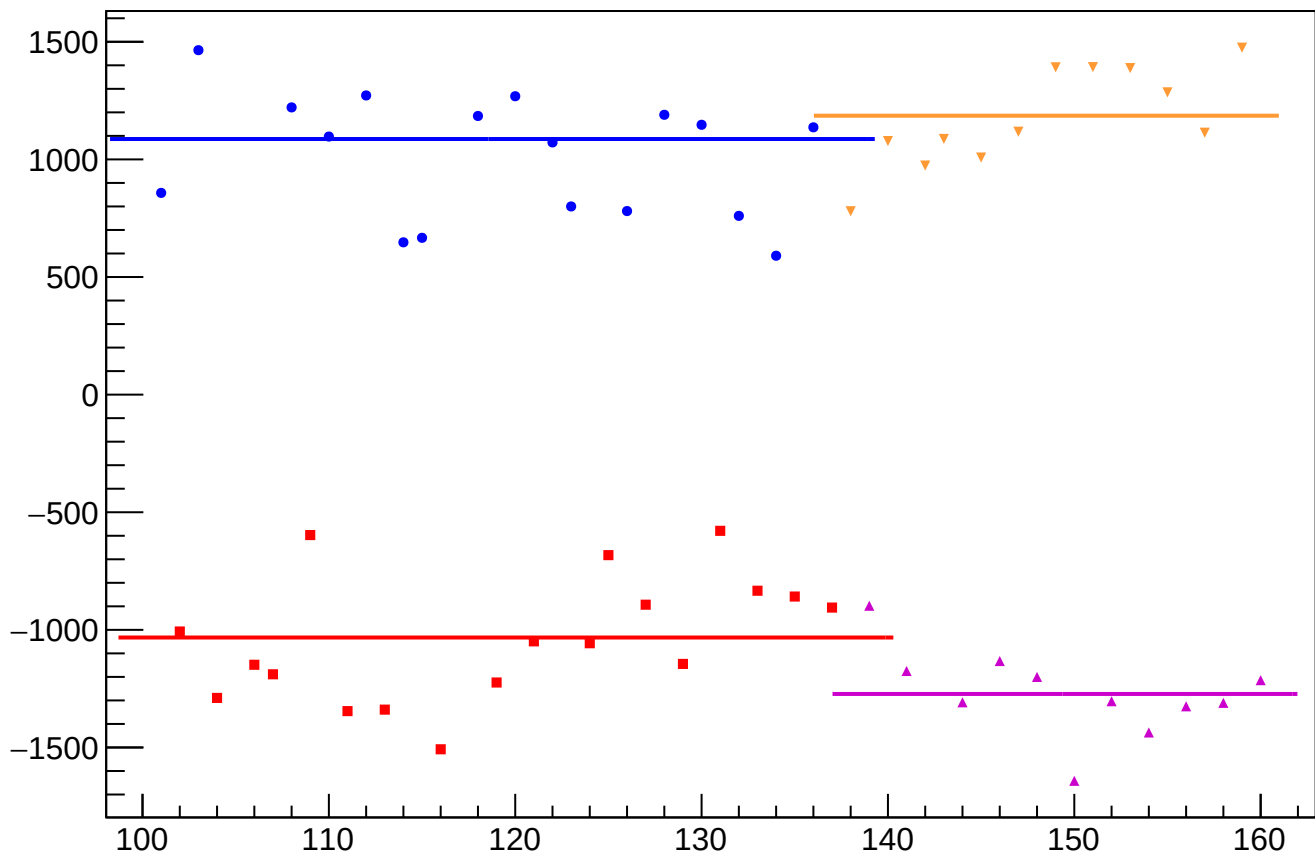
Right In: 8940.709+/-0.000 χ^2/NDF : 14252298982323079680975069701388839682048.0/16
 Left Out: 18042.230+/-0.000 χ^2/NDF : 7640646522897487857135230772113708154880.0/11
 Right Out: -7838.226+/-0.000 χ^2/NDF : 9846913896882704140251290027429415878656.0/17
 Left In: -18591.547+/-0.000 χ^2/NDF : 3373827841621741048896229754913272365056.0/10
 All: -106.123+/-0.000 χ^2/NDF : 75286778977

dit_sam4_coil3_err_mean vs Slug, Sign Corrected



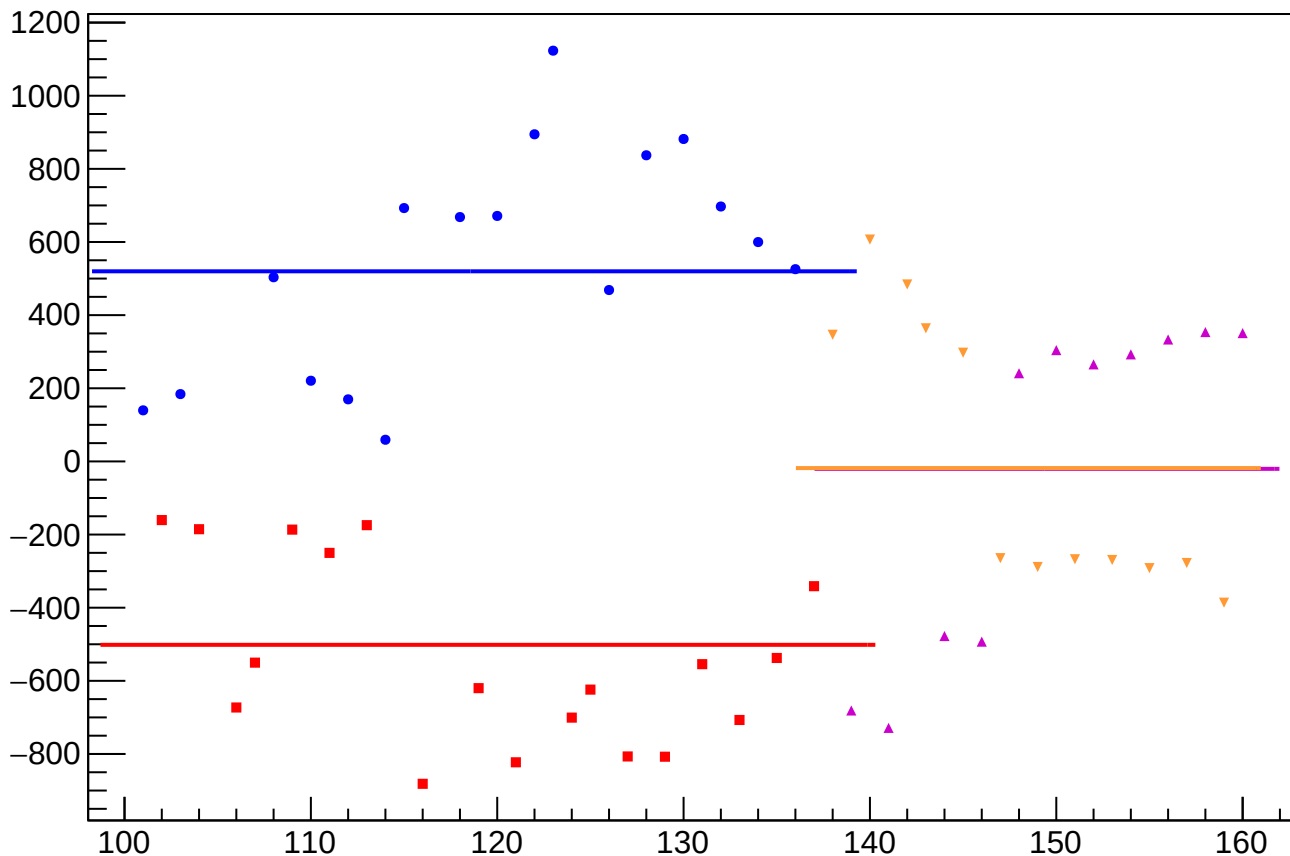
Right In: 513.843 +/- 0.000 χ^2/NDF : 82523650579604289792107532326249955328.0/16
 Left Out: 462.844 +/- 0.000 χ^2/NDF : 6830648525623684817395137022896635904.0/11
 Right Out: -509.362 +/- 0.000 χ^2/NDF : 75678926781858707627162203023281750016.0/17
 Left In: -471.889 +/- 0.000 χ^2/NDF : 7312350507184124665031072386098659328.0/10
 All: -8.346 +/- 0.000 χ^2/NDF : 9433558408659

dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected



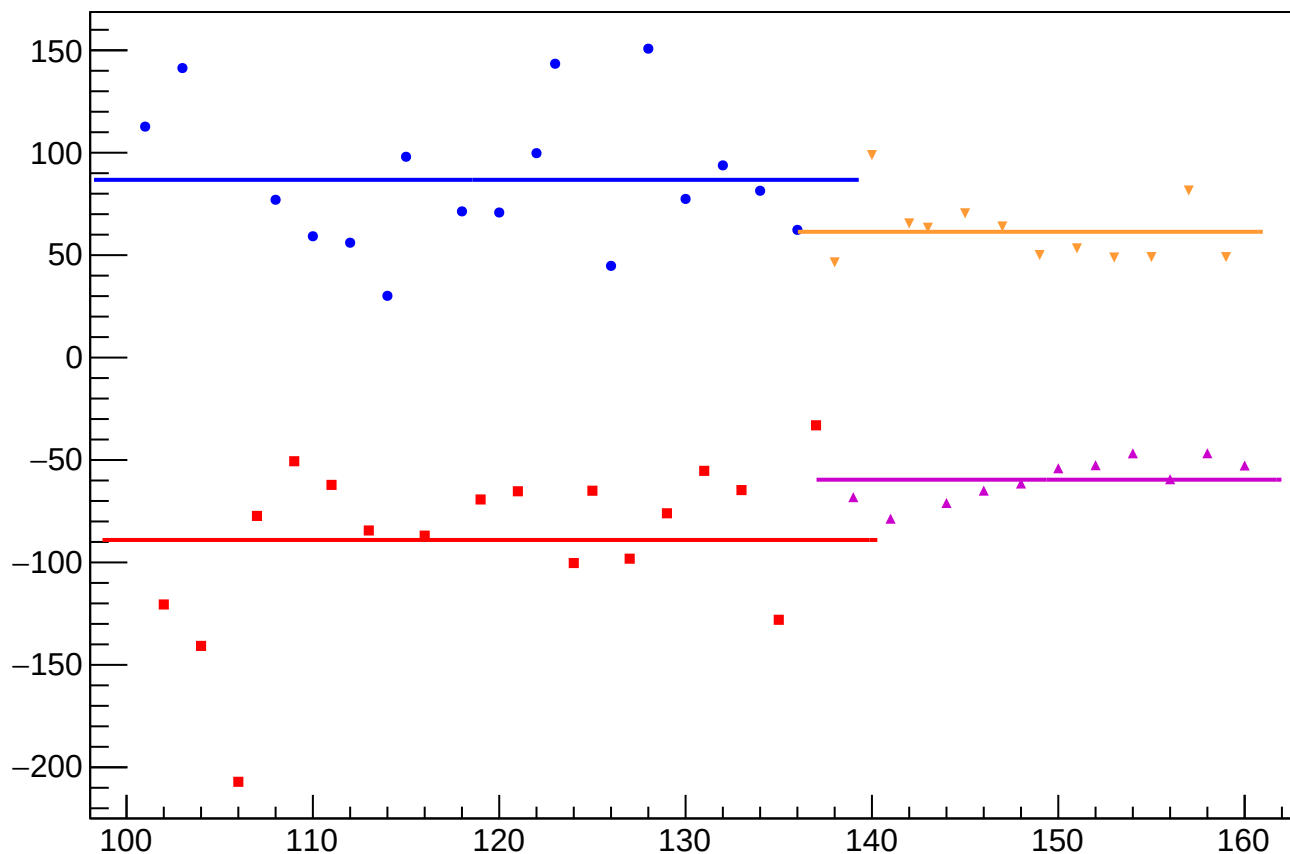
Right In: 1086.695 $\pm$ 0.000 χ^2 /NDF: 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823 $\pm$ 0.000 χ^2 /NDF: 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544 $\pm$ 0.000 χ^2 /NDF: 47614887029691398867923382029973979136.0/17
 Left In: -1272.495 $\pm$ 0.000 χ^2 /NDF: 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+/-0.000 χ^2/NDF : 50391712122122241983004017290687545344.0/16
 Left Out: -18.246+/-0.000 χ^2/NDF : 114374265303636923998653923051335319552.0/11
 Right Out: -501.527+/-0.000 χ^2/NDF : 45593938816418547057443342639695921152.0/17
 Left In: -20.328+/-0.000 χ^2/NDF : 179073709967558112986870071766256975872.0/10
 All: -10.264+/-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

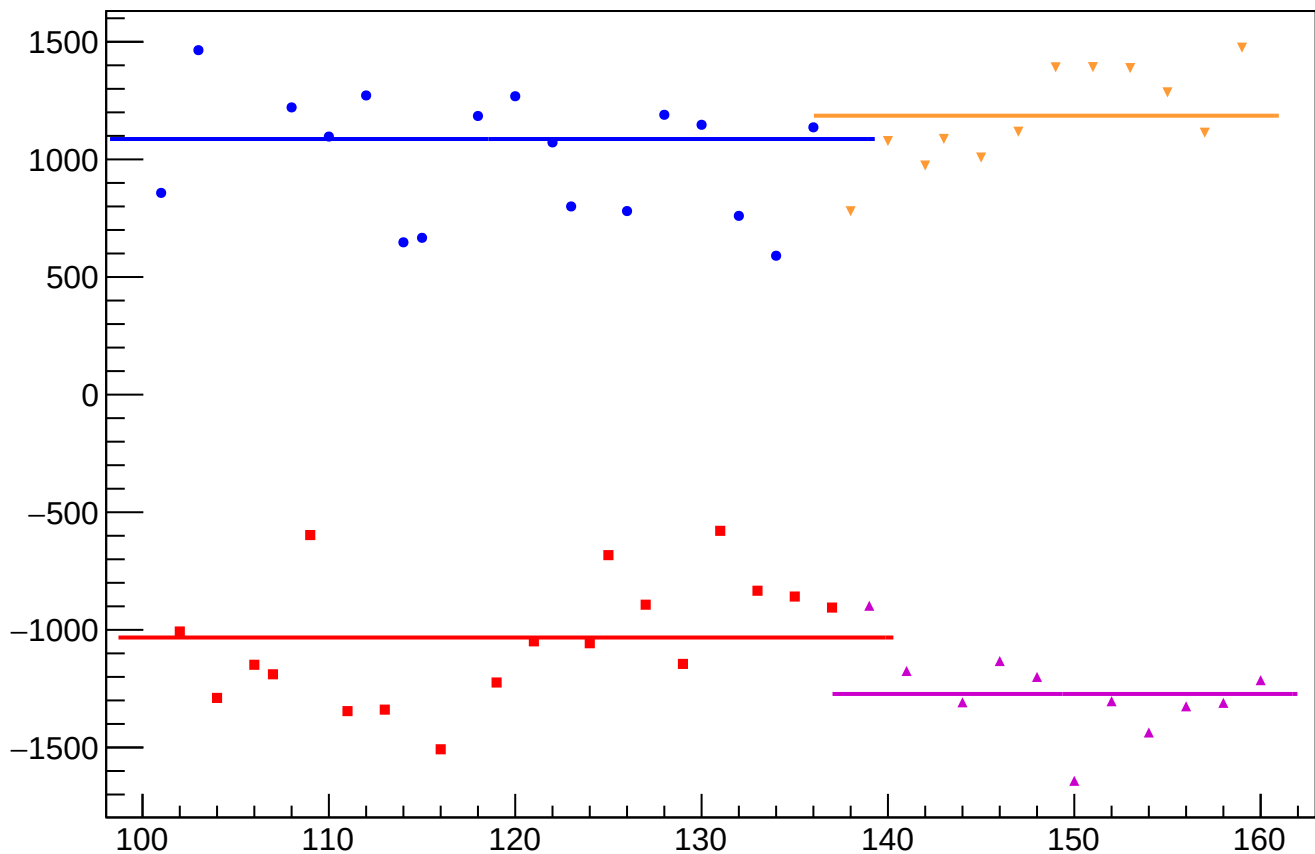
χ^2/NDF : 1014702057025769592460755223634247680.0/17

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

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

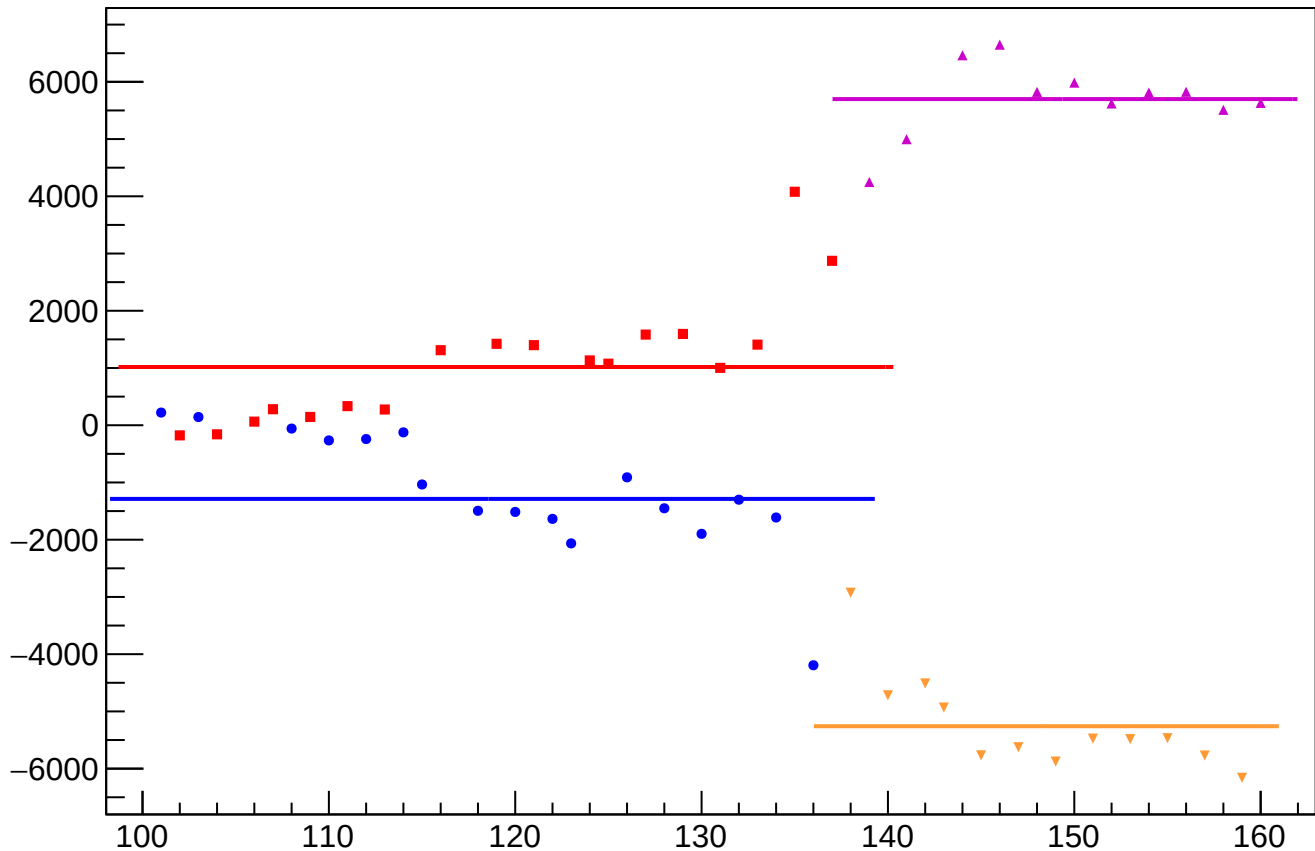
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

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_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

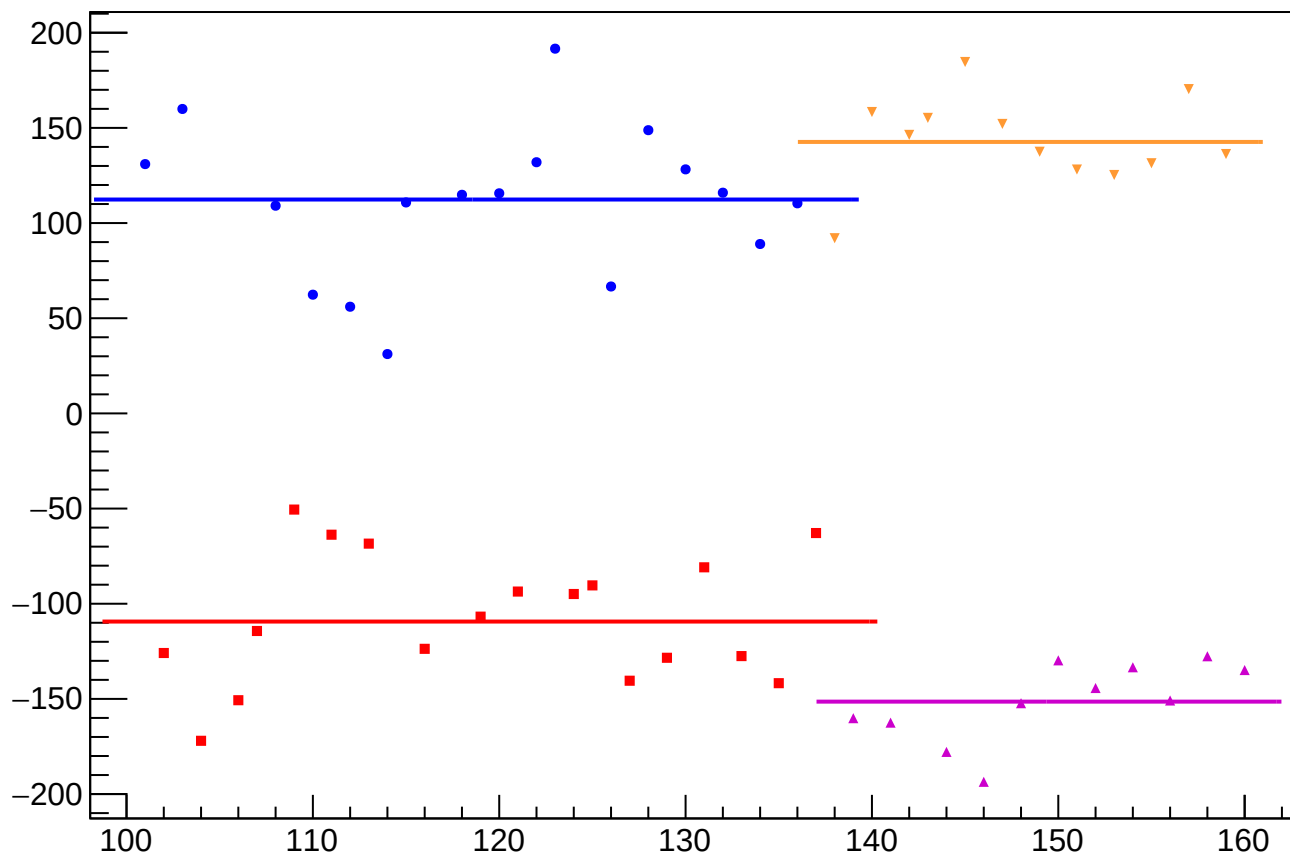
Right: -117.494+/-0.000 χ^2/NDF : 39276379731523

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

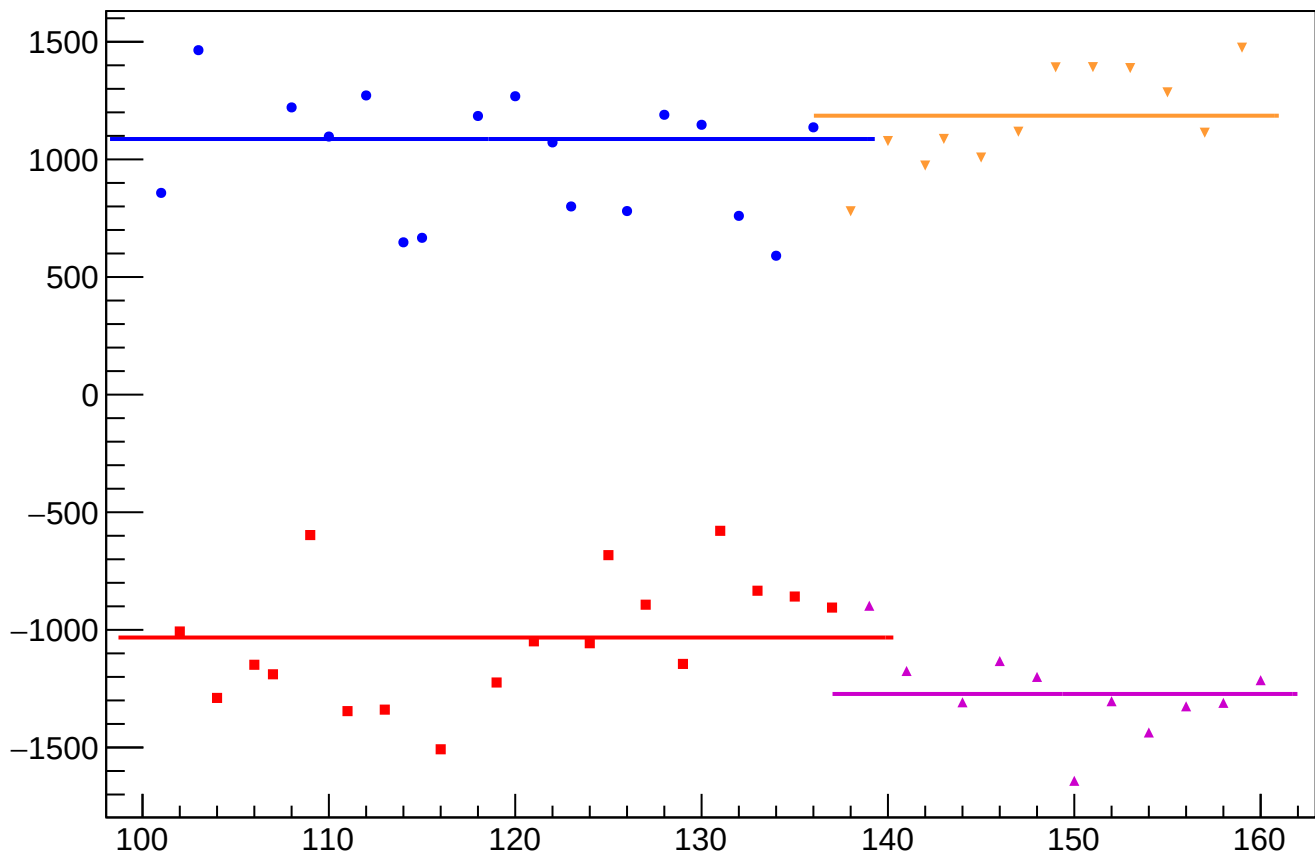
χ^2 /NDF: 838845293661778137888588246433136640.0/17

Left In: -151.432 $\pm$ 0.000

χ^2 /NDF: 371010449971260656611055665401561088.0/10

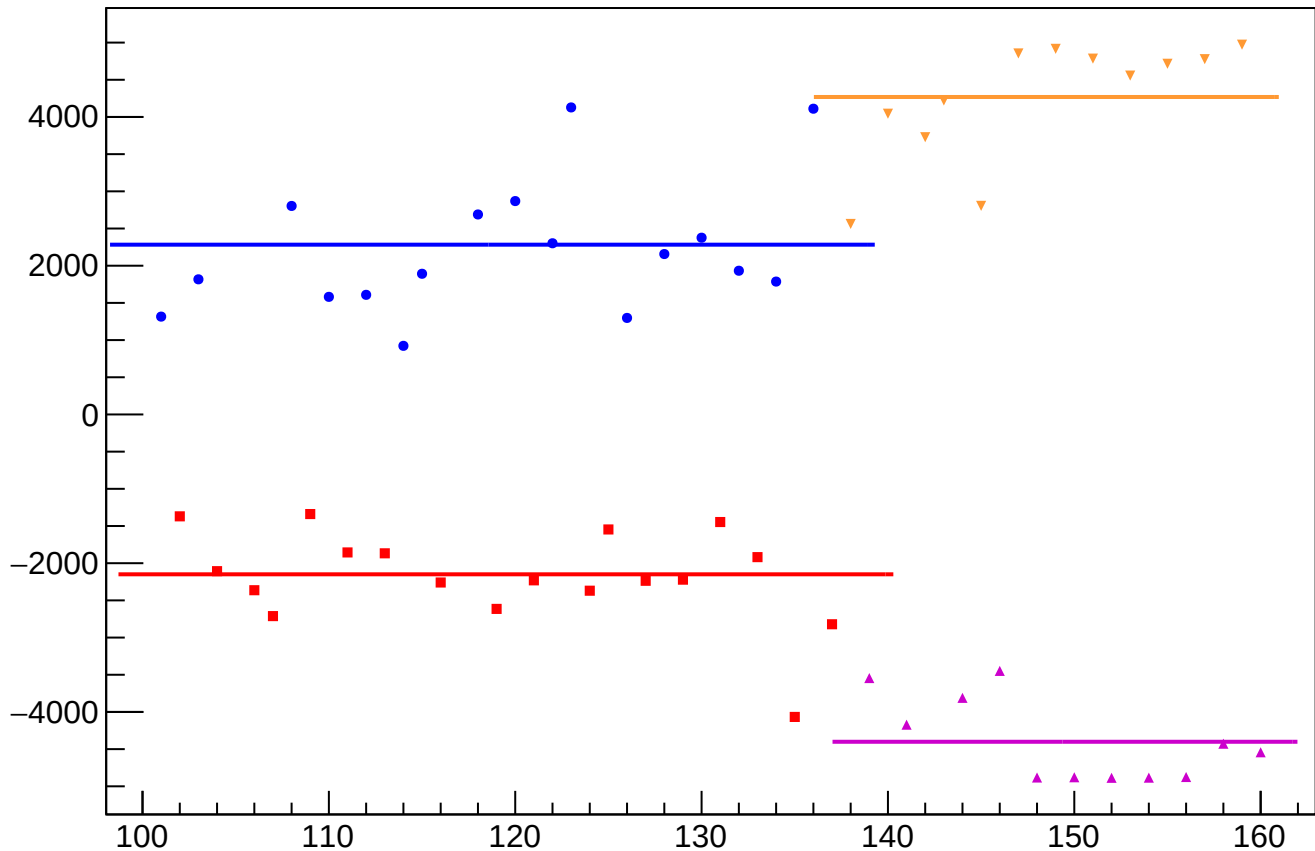
All: -3.647 $\pm$ 0.000 χ^2 /NDF: 5956048648863

dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected



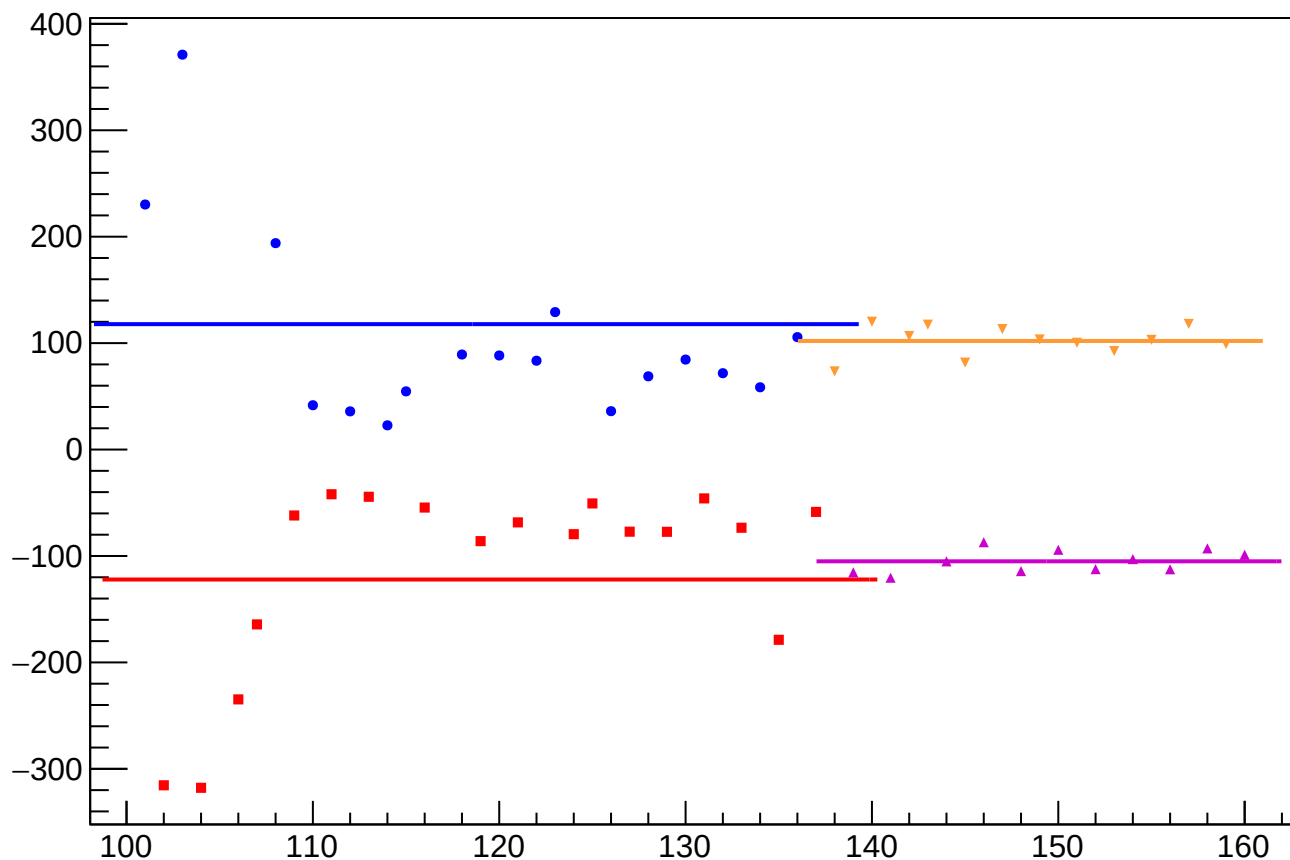
Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam7_coil3_mean vs Slug, Sign Corrected



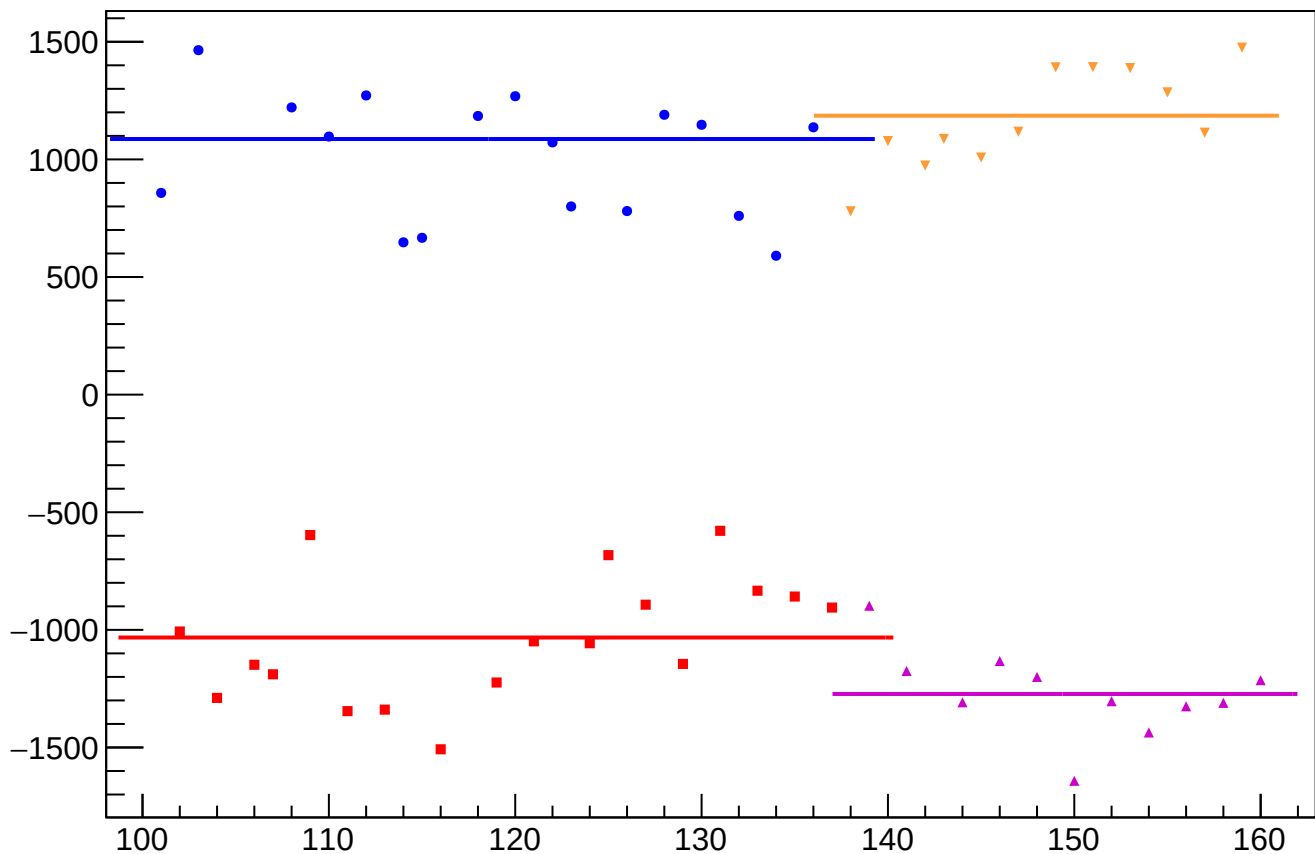
Right In: 2282.778+/-0.000 χ^2/NDF : 521869333583833068444115371437594771456.0/16
 Left Out: 4268.620+/-0.000 χ^2/NDF : 576373438836983826408088908187698200576.0/11
 Right Out: -2149.386+/-0.000 χ^2/NDF : 320631411360836158094549979591860027392.0/17
 Left In: -4401.016+/-0.000 χ^2/NDF : 271313470445828573503909403246788083712.0/10
 All: -54.917+/-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

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

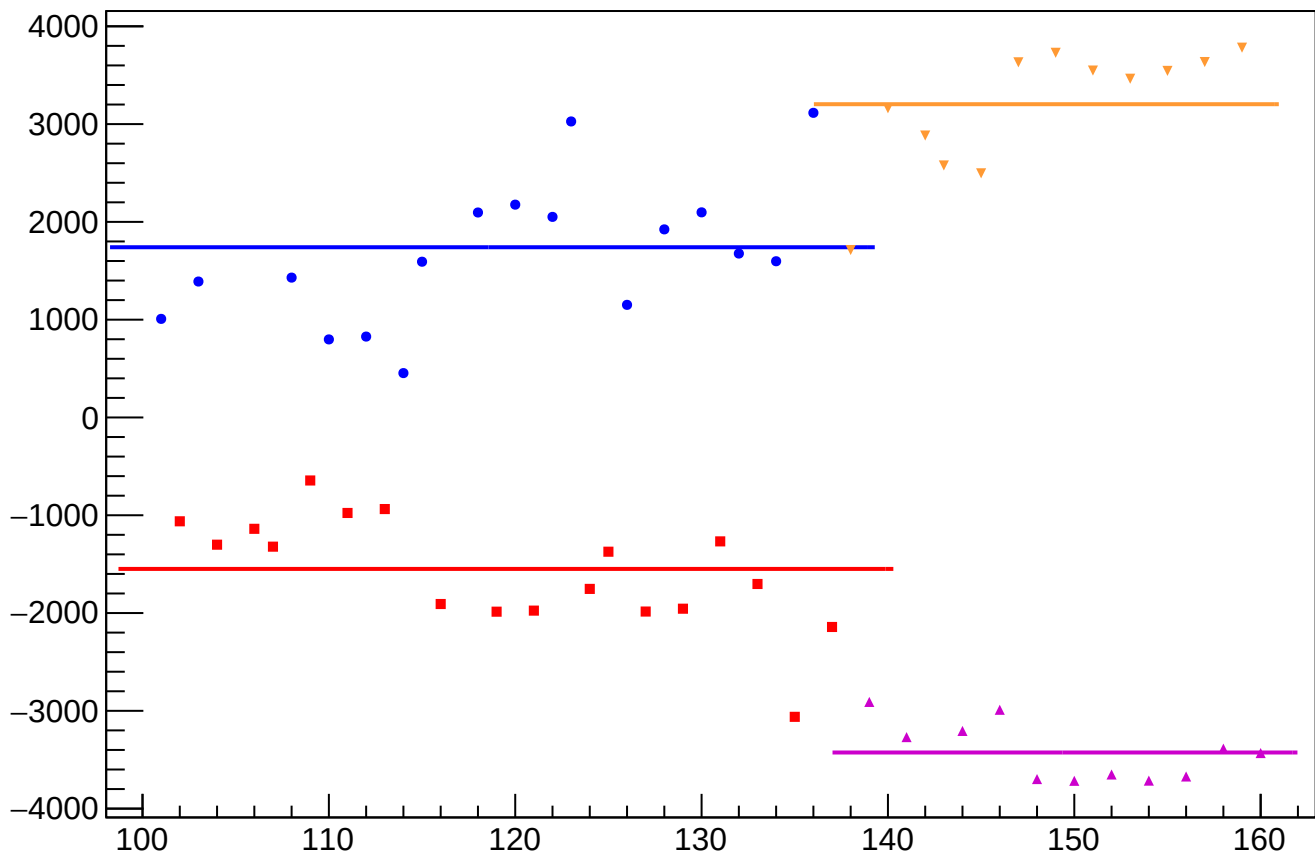
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

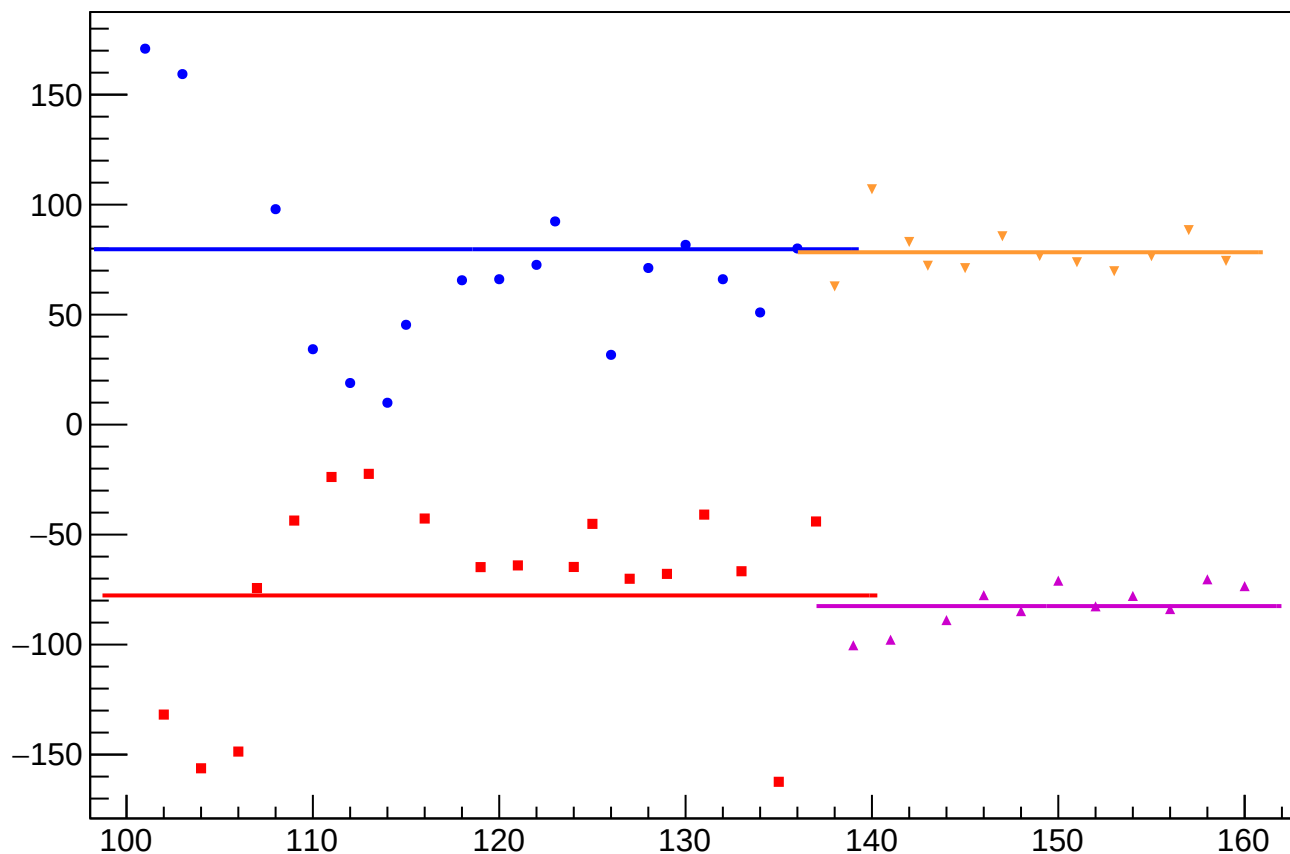
All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam8_coil3_mean vs Slug, Sign Corrected



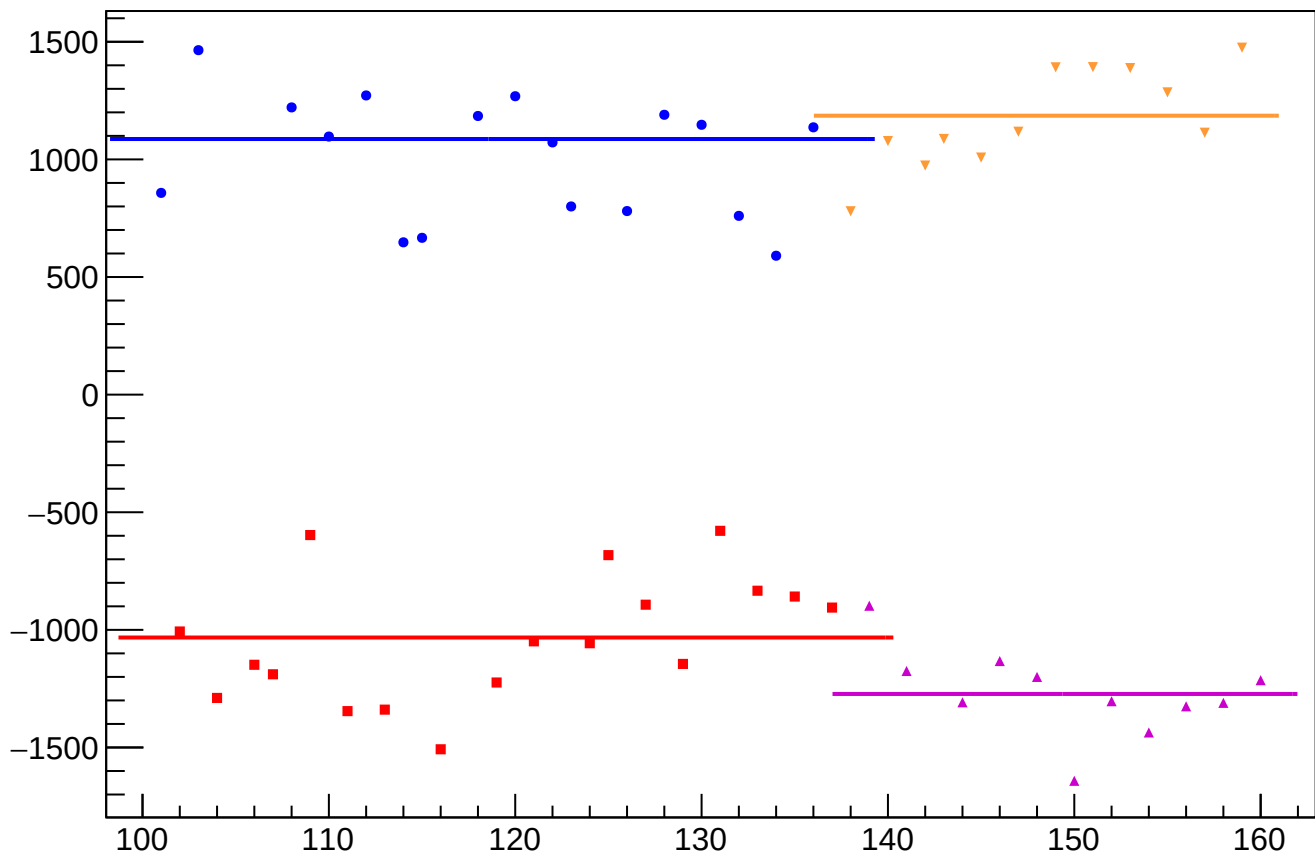
Right In: 1740.720+/-0.000 χ^2/NDF : 348962001897552007024222547428010622976.0/16
 Left Out: 3203.449+/-0.000 χ^2/NDF : 345784551251095236762093437118983438336.0/11
 Right Out: -1548.740+/-0.000 χ^2/NDF : 255013280564316736413287354207314116608.0/17
 Left In: -3426.091+/-0.000 χ^2/NDF : 74472499127256765634021143910696353792.0/10
 All: -56.566+/-0.000 χ^2/NDF : 251115987622

dit_sam8_coil3_err_mean vs Slug, Sign Corrected



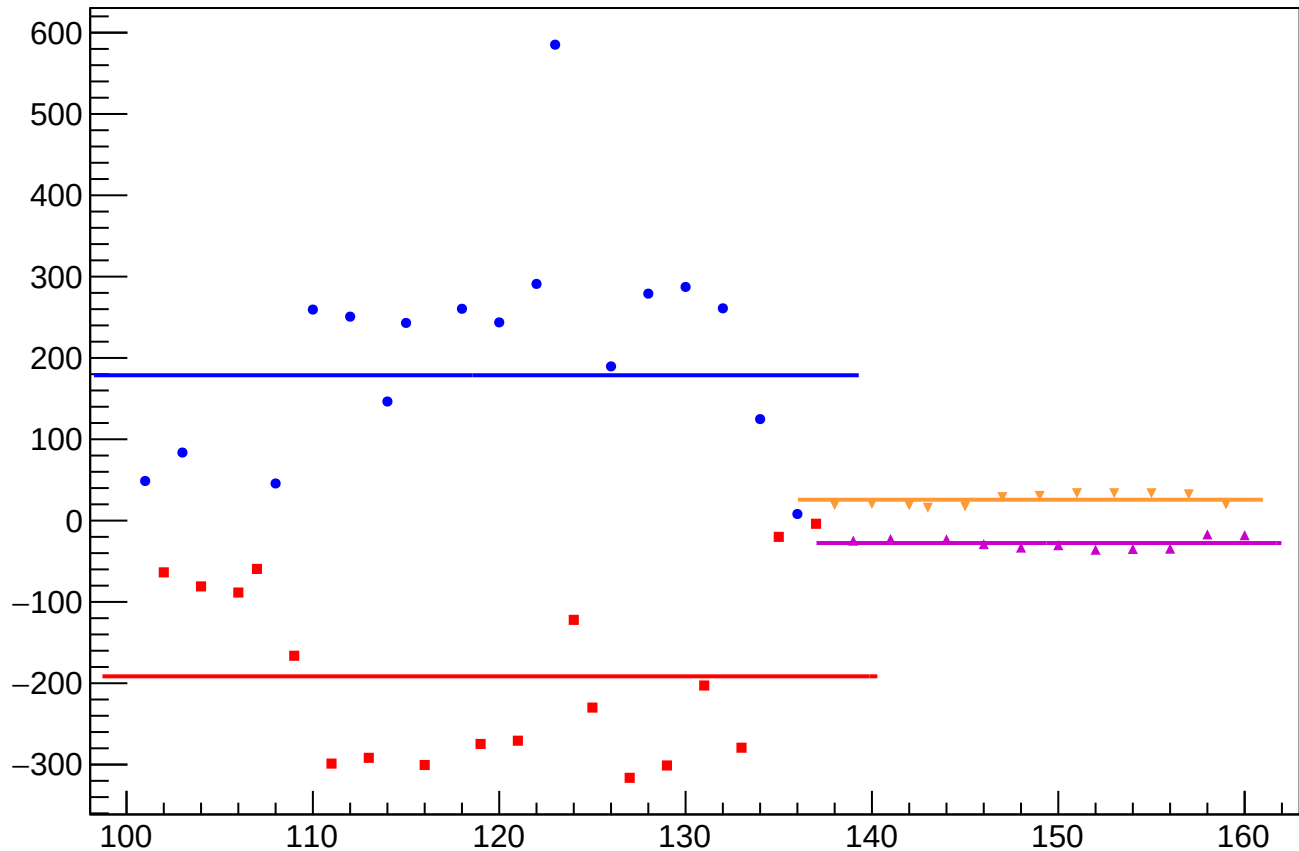
Right In: 79.722+/-0.000 χ^2/NDF : 1349884201001122025991797772619087872.0/16
 Left Out: 78.356+/-0.000 χ^2/NDF : 114896120803259231895139298203140096.0/11
 Right Out: -77.658+/-0.000 χ^2/NDF : 1483793243606577649503828870787235840.0/17
 Left In: -82.494+/-0.000 χ^2/NDF : 84649934677405665053102578448990208.0/10
 All: -1.827+/-0.000 χ^2/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

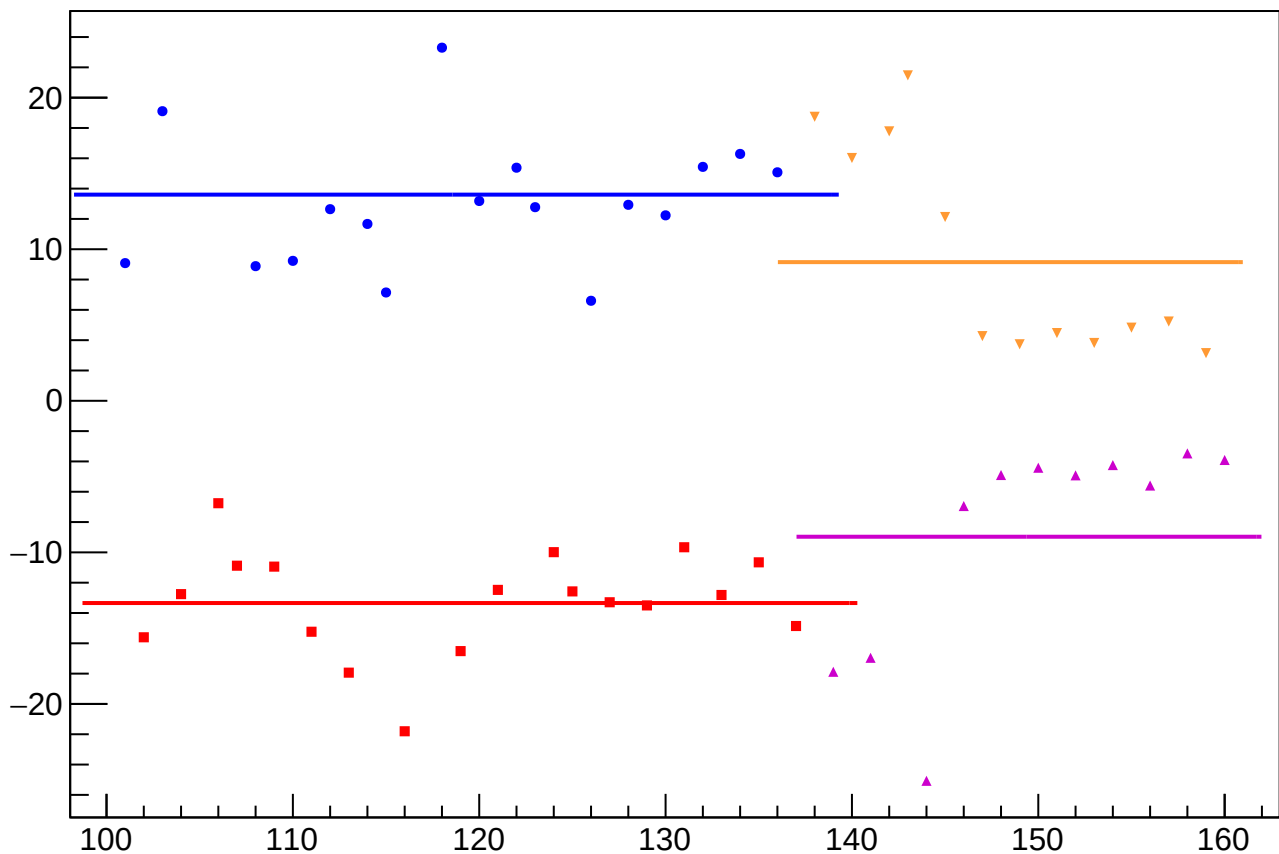
χ^2/NDF : 8150461362250913614126902389436841984.0/17

Left In: -27.579+/-0.000

χ^2/NDF : 39364281565589269782784177585782784.0/10

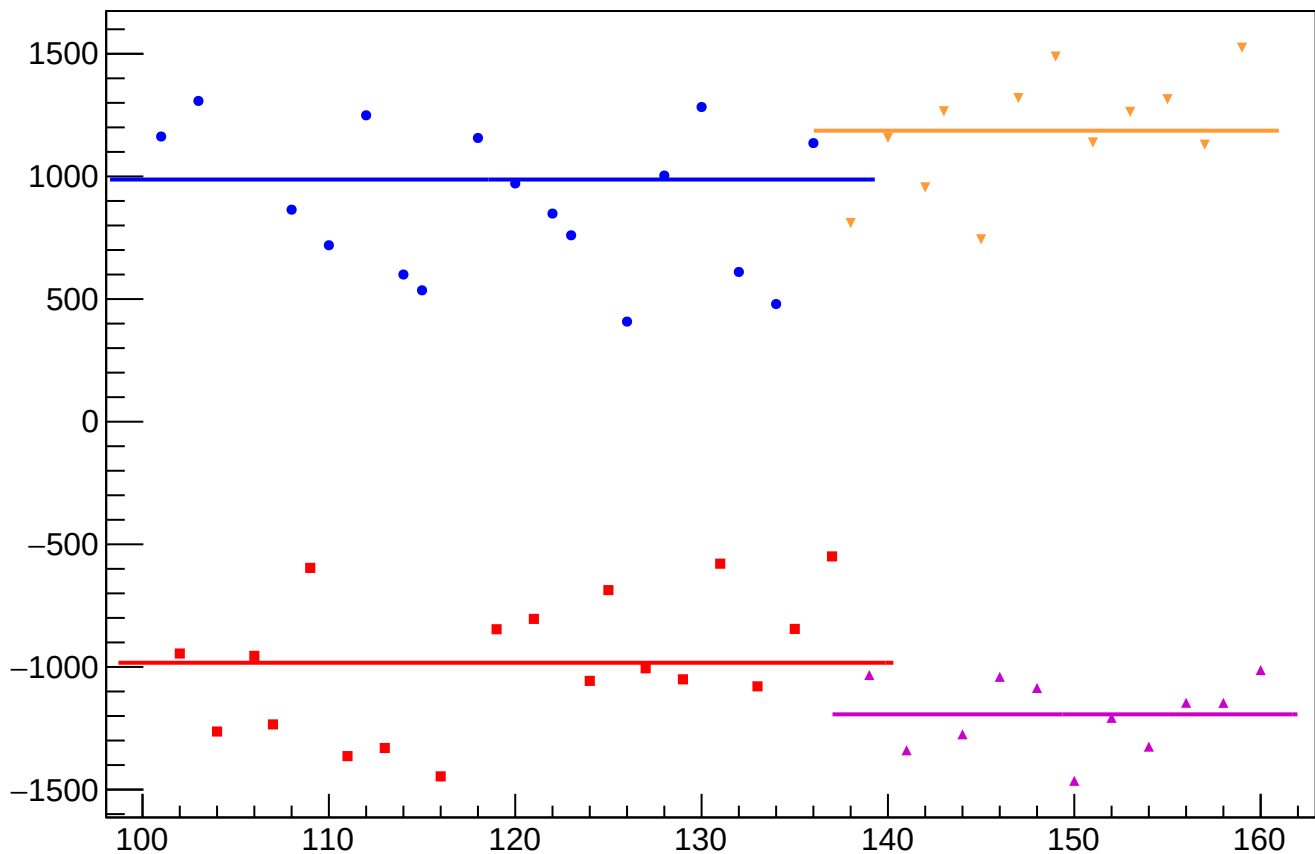
All: -4.696+/-0.000 χ^2/NDF : 6635167668479

dit_4aX_coil7_err_mean vs Slug, Sign Corrected



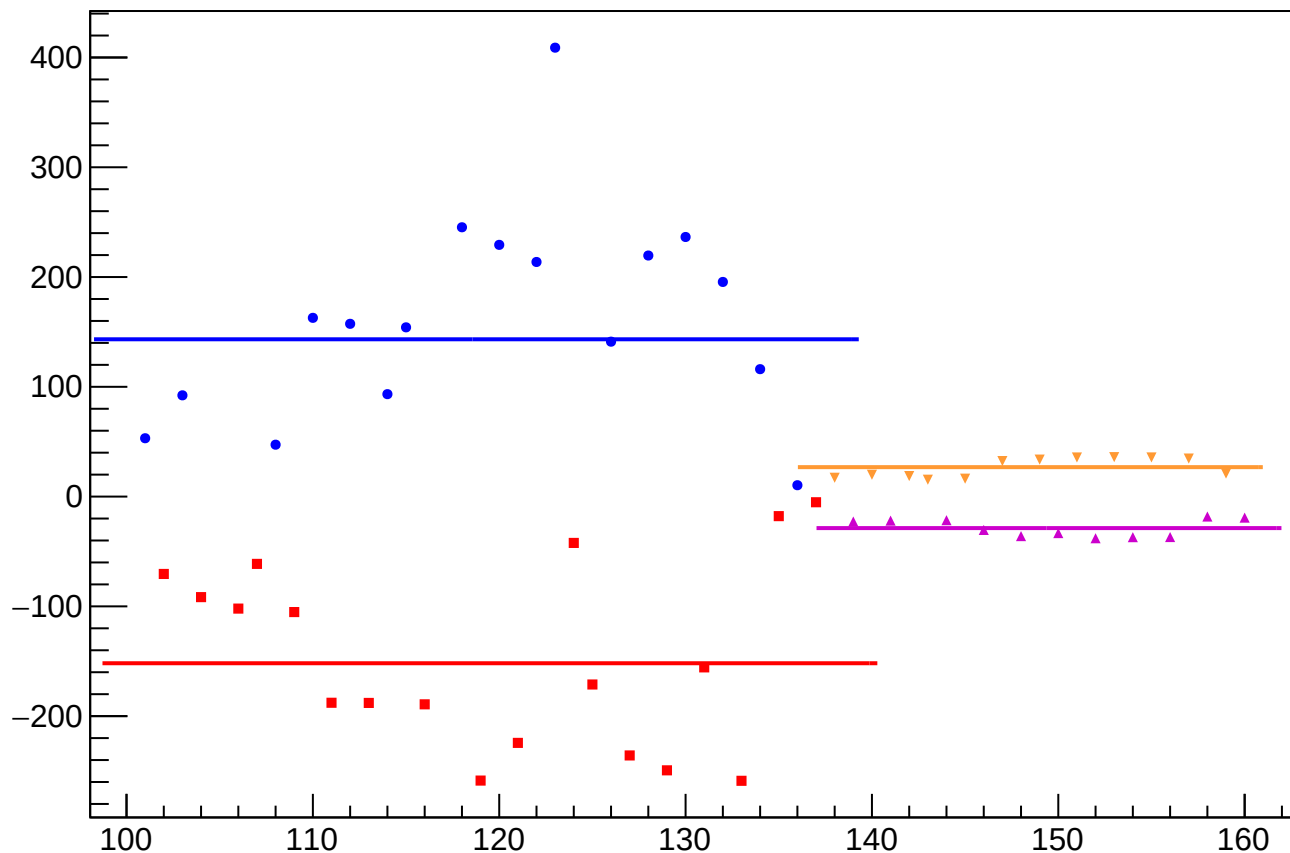
Left: -0.027 ± 0.000 χ^2/NDF : 23786914105617751
 Right In: 13.603 ± 0.000 χ^2/NDF : 12735243270159378009596948914372608.0/16
 Right: -0.071 ± 0.000 χ^2/NDF : 2752368214719958
 Left Out: 9.150 ± 0.000 χ^2/NDF : 39277872742254074386096302311079936.0/11
 In: 0.659 ± 0.000 χ^2/NDF : 2629356509747329070
 Right Out: -13.343 ± 0.000 χ^2/NDF : 6808158047357444632184742387646464.0/17
 Out: -0.753 ± 0.000 χ^2/NDF : 24855008569654434
 Left In: -8.968 ± 0.000 χ^2/NDF : 47457578467091168331445311669010432.0/10
 All: -0.046 ± 0.000 χ^2/NDF : 5131074728733

dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected



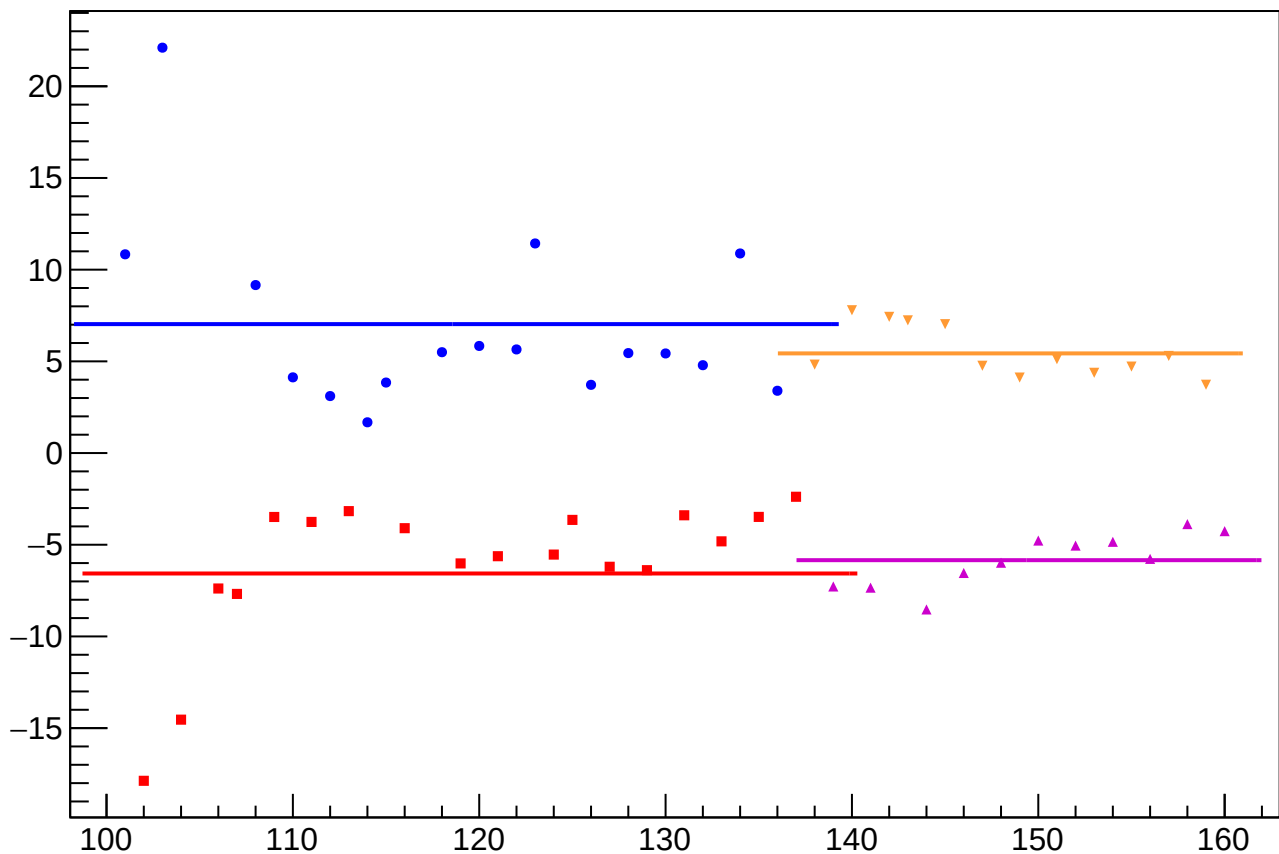
Right In: 987.388 ± 0.000 $\chi^2/\text{NDF}: 52571386835815299758771040245189181440.0/16$
 Left Out: 1186.594 ± 0.000 $\chi^2/\text{NDF}: 49763362019555548841298308984106647552.0/11$
 Right Out: -982.831 ± 0.000 $\chi^2/\text{NDF}: 48106250951114292454819733992816771072.0/17$
 Left In: -1193.230 ± 0.000 $\chi^2/\text{NDF}: 18719715189237327364686937904868491264.0/10$
 All: -16.040 ± 0.000 $\chi^2/\text{NDF}: 414386874879$

dit_4eX_coil7_mean vs Slug, Sign Corrected



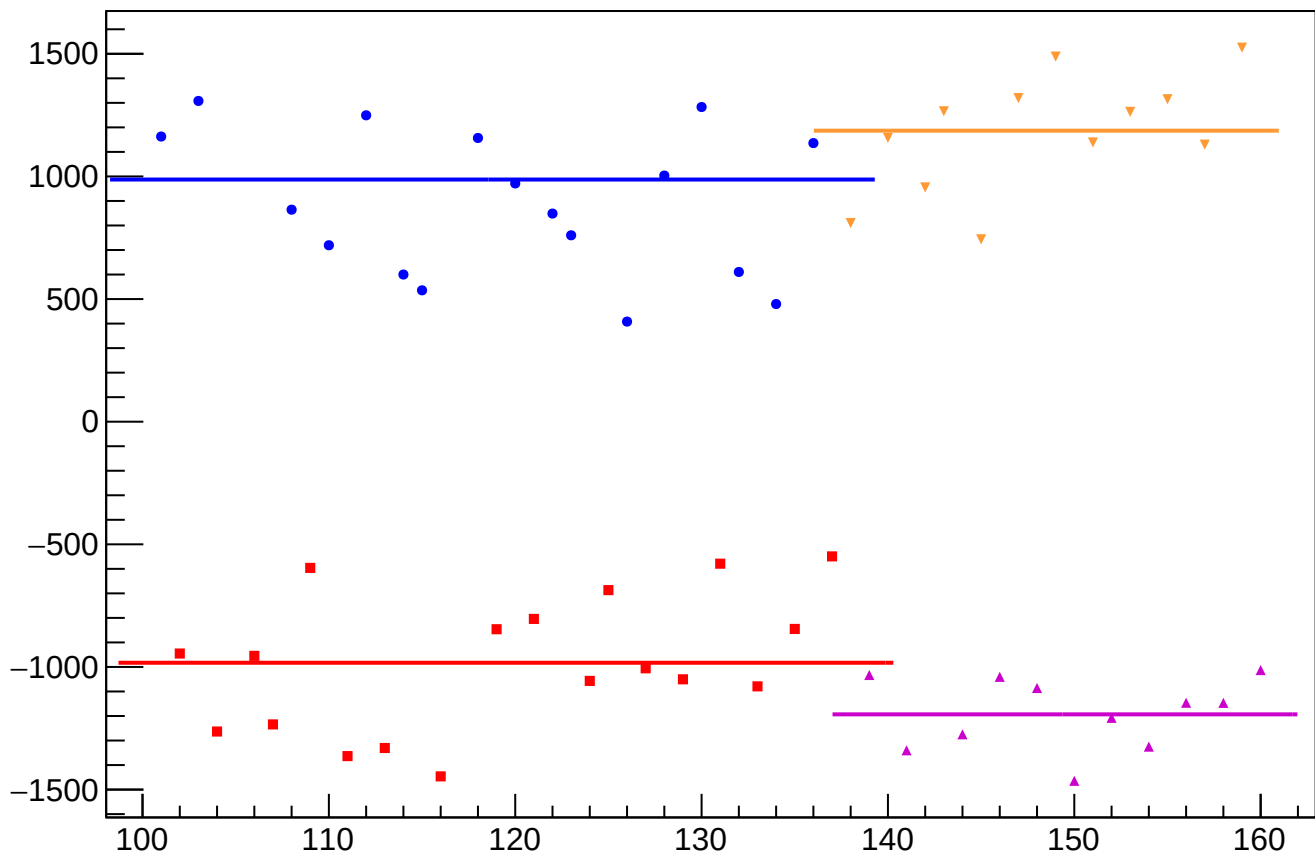
Left: -1.307 ± 0.000 $\chi^2/\text{NDF}: 15373366738372324$
 Right In: 143.291 ± 0.000 $\chi^2/\text{NDF}: 4778890435983165530583685149403119616.0/16$
 Right: -6.463 ± 0.000 $\chi^2/\text{NDF}: 4010201428427812$
 Left Out: 26.816 ± 0.000 $\chi^2/\text{NDF}: 64568009381250036040665945578930176.0/11$
 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



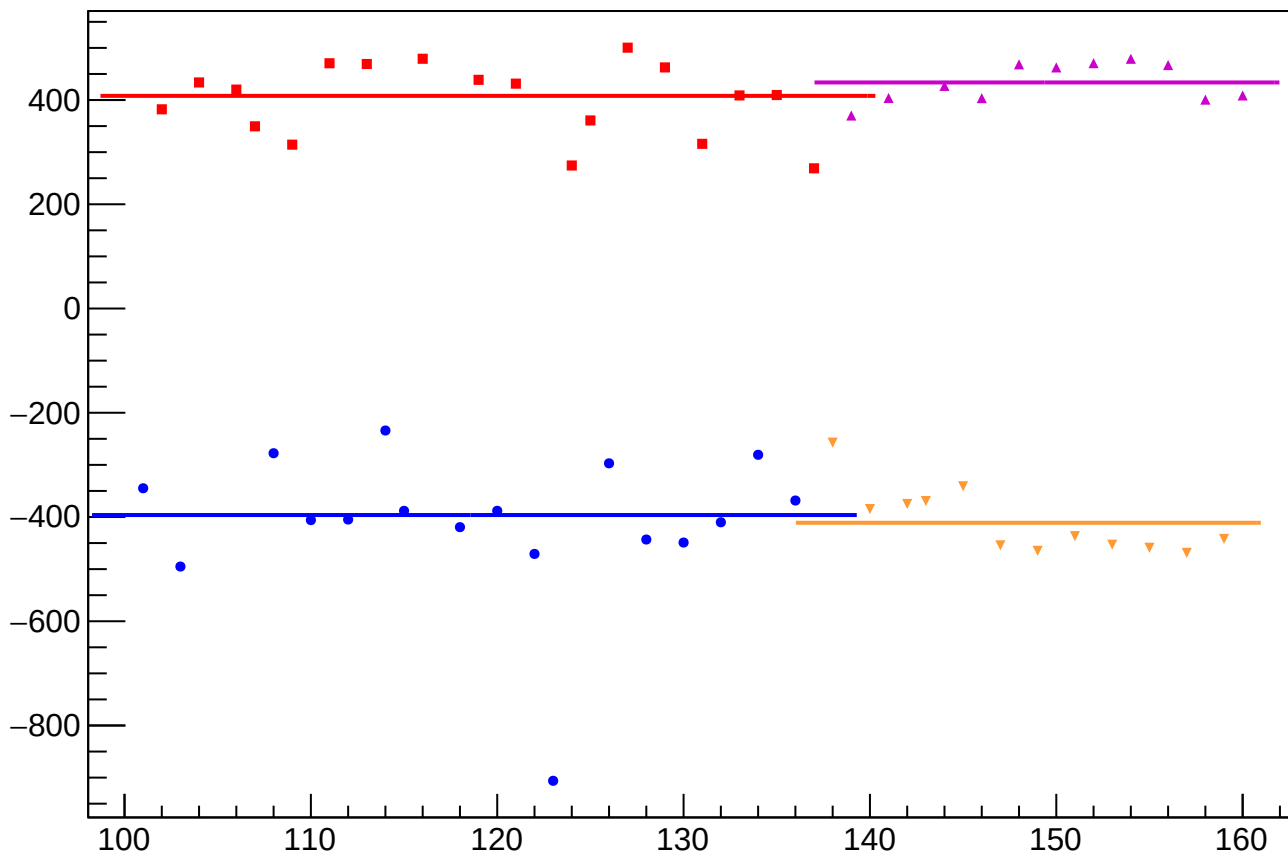
Right In: 7.031+/-0.000 χ^2/NDF : 18686972393169306014765519518826496.0/16
 Left Out: 5.434+/-0.000 χ^2/NDF : 1641961615493557983490036107051008.0/11
 Right Out: -6.568+/-0.000 χ^2/NDF : 13908005278630821419370553666437120.0/17
 Left In: -5.842+/-0.000 χ^2/NDF : 1812226966420315112479835300036608.0/10
 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

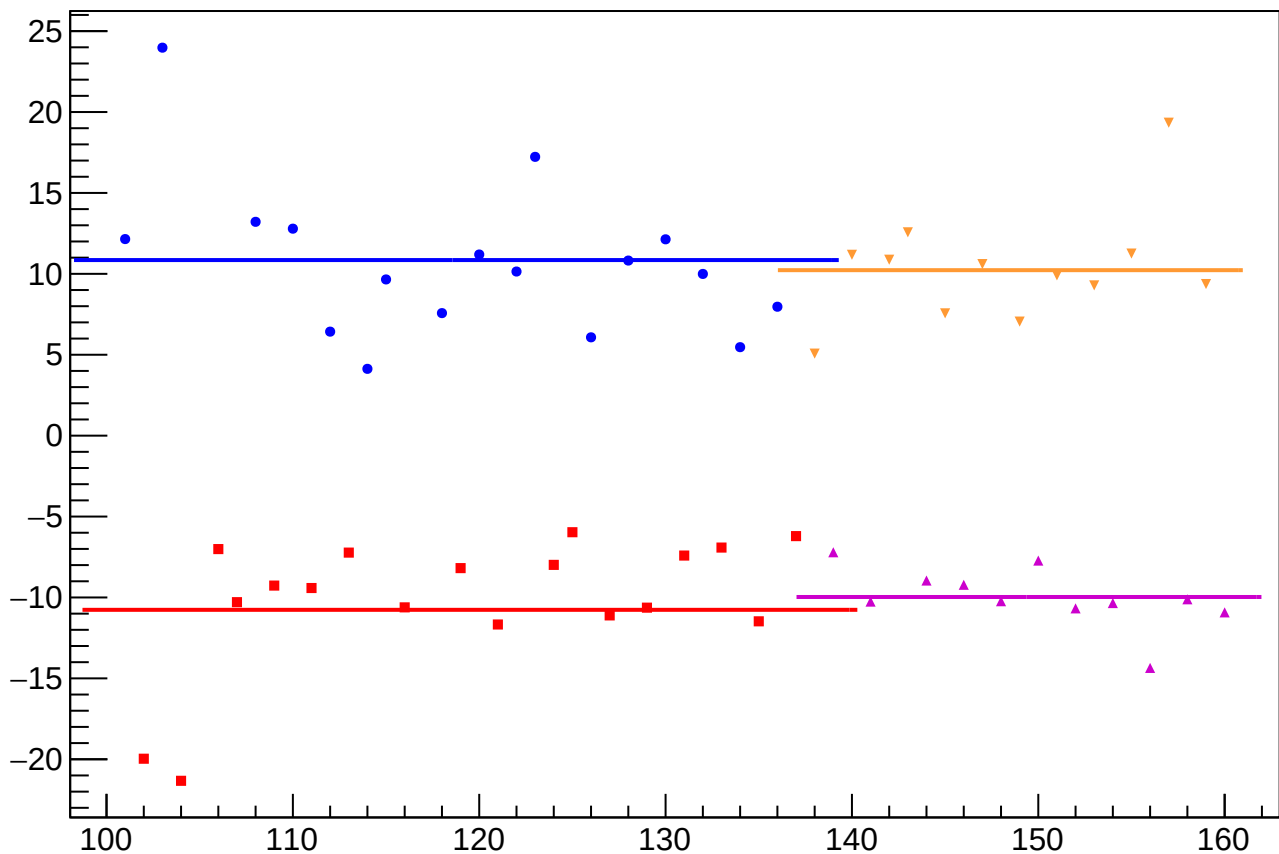
Right: 11.893+/-0.000 χ^2/NDF : 2343837724637462.0/16

In: 79.709+/-0.000 χ^2/NDF : 279213003883537718.0/16

Out: -50.440+/-0.000 χ^2/NDF : 2747299205815523.0/16

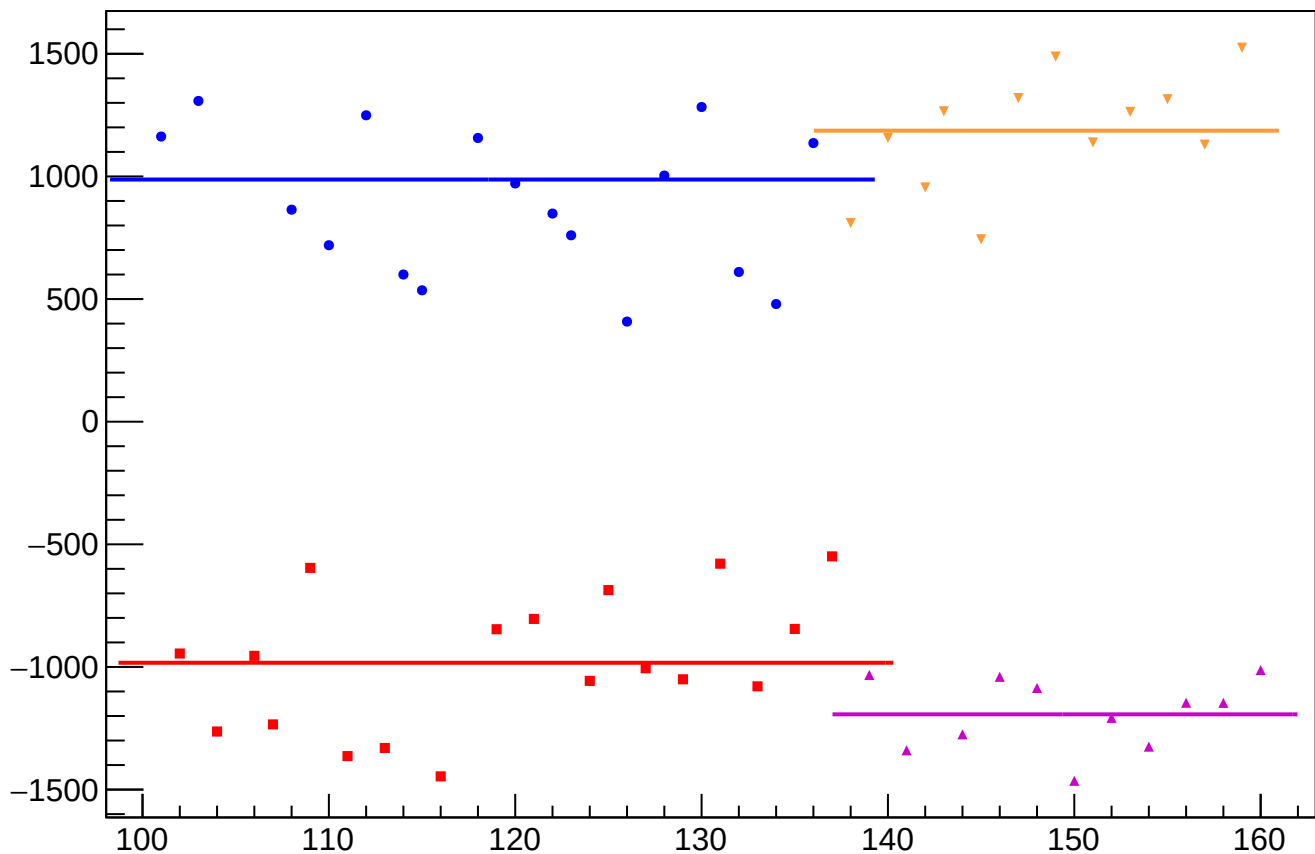
All: 14.695+/-0.000 χ^2/NDF : 5677098484078.0/16

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

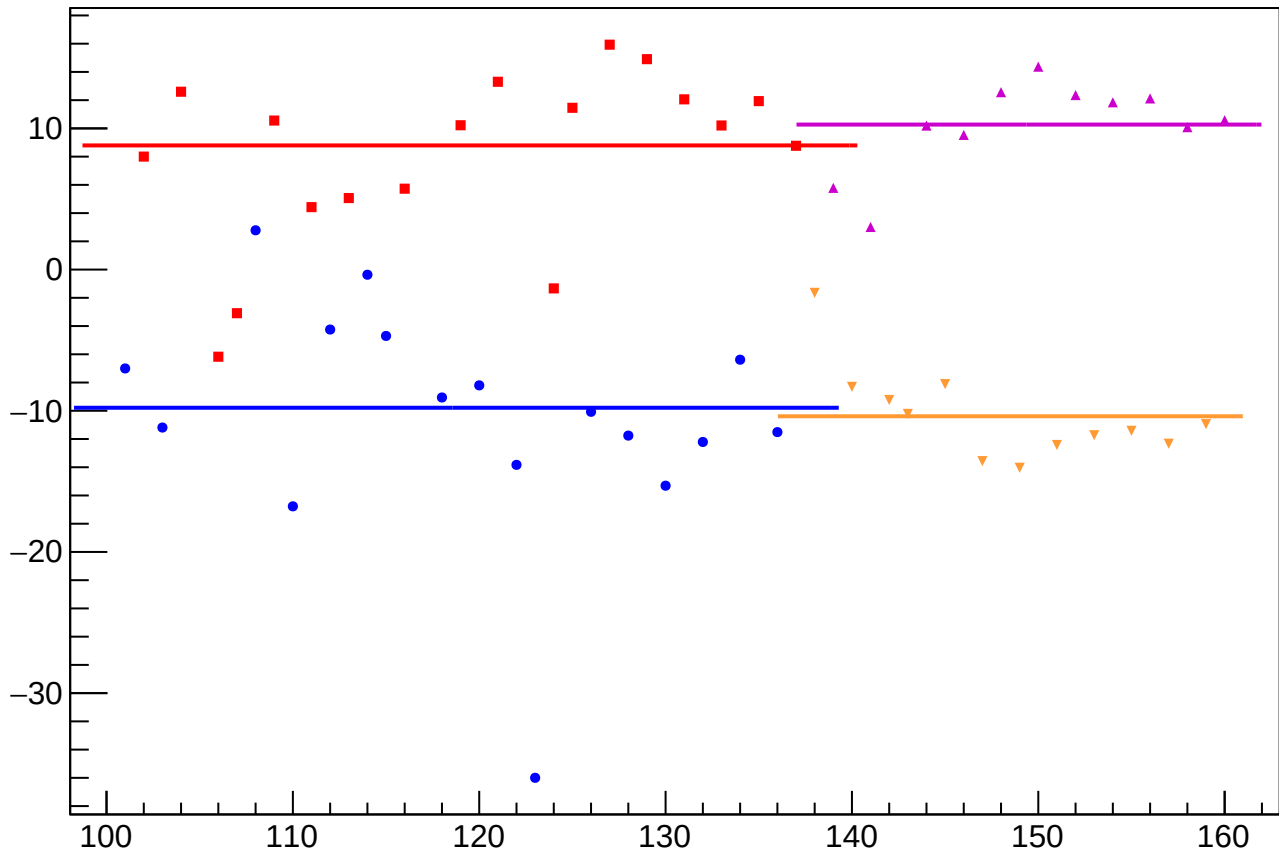
χ^2/NDF : 48106250951114292454819733992816771072.0/17

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

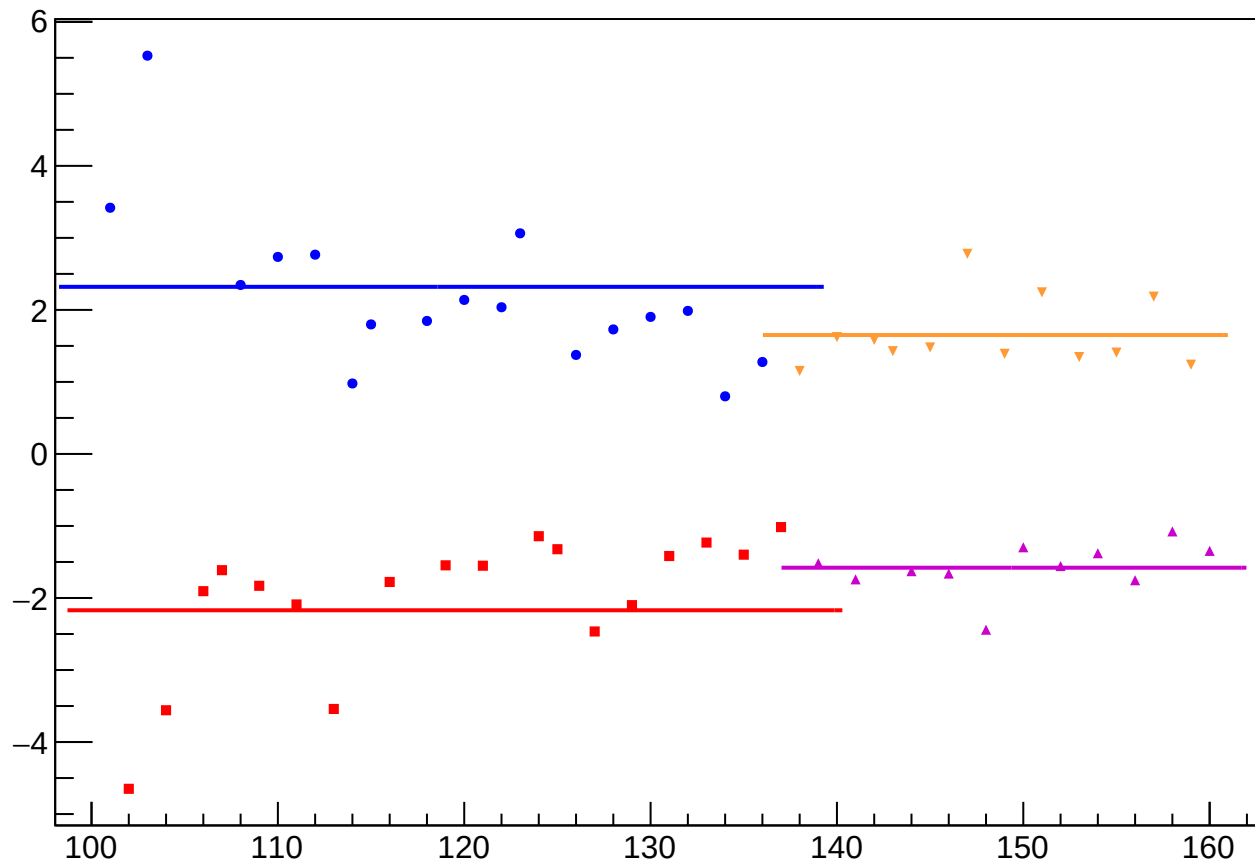
Right: -0.358+/-0.000 χ^2/NDF : 1608503325720223

In: 1.716+/-0.000 χ^2/NDF : 1863923617387902465

Out: -1.944+/-0.000 χ^2/NDF : 17882361824620851

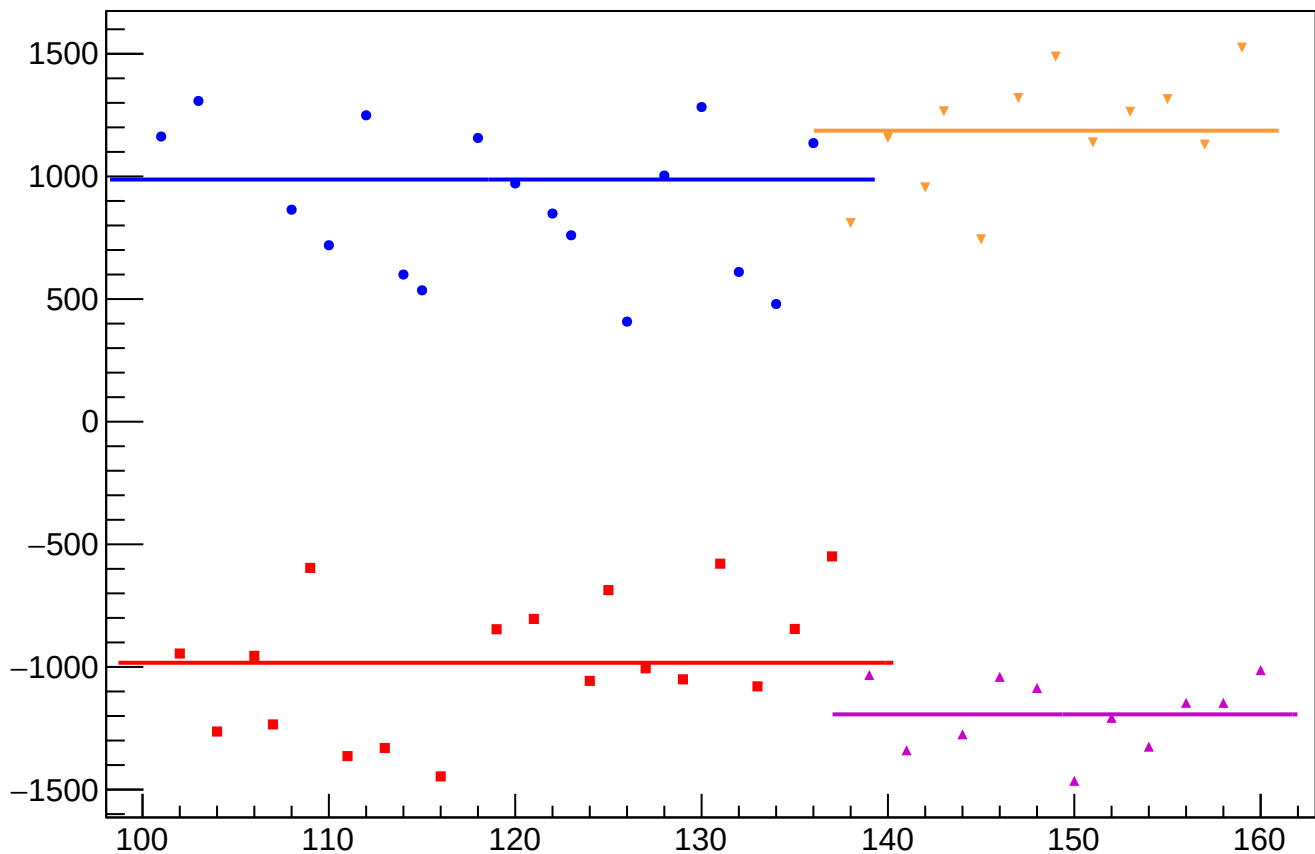
All: -0.113+/-0.000 χ^2/NDF : 3761009854551

dit_4aY_coil7_err_mean vs Slug, Sign Corrected



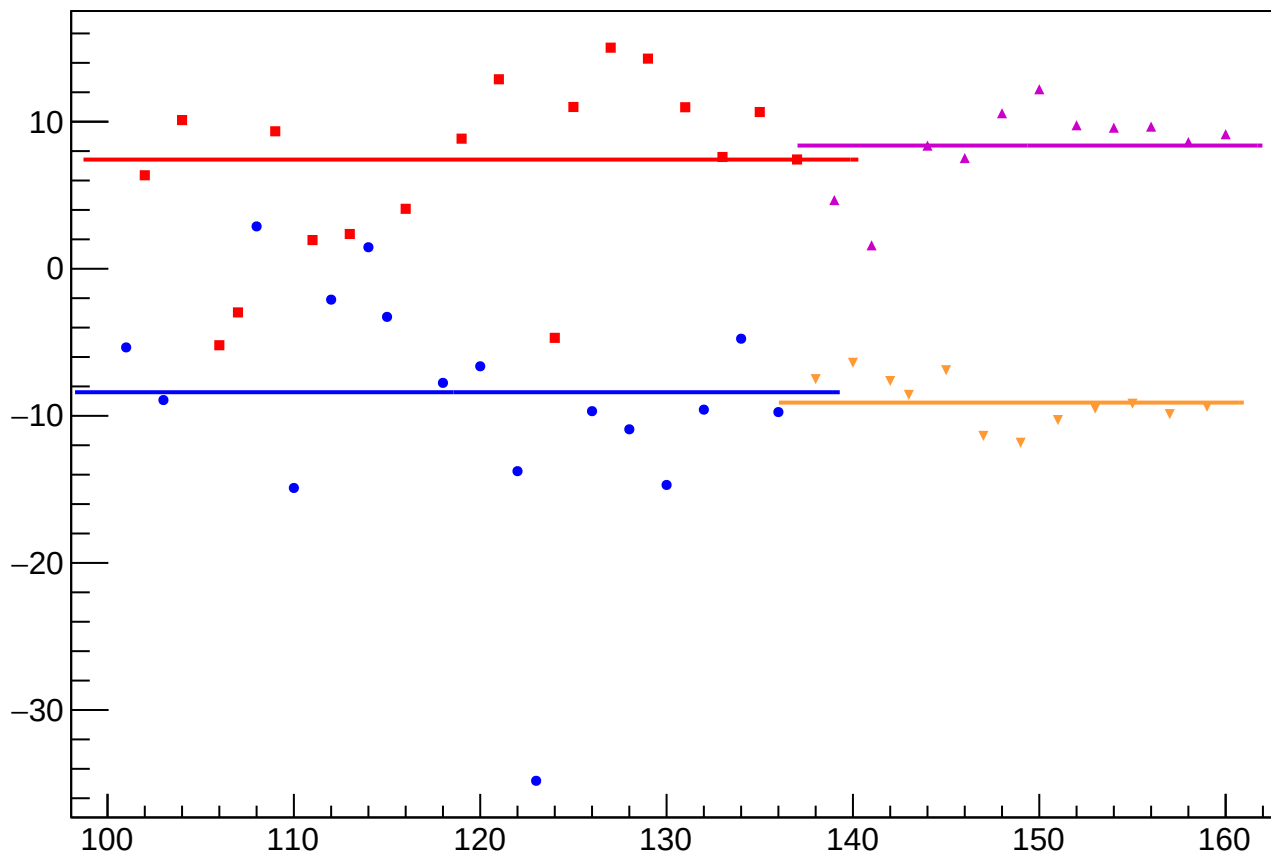
Right In: 2.320 ± 0.000 $\chi^2/\text{NDF}: 951785069007432203128626661556224.0/16$
 Left Out: 1.651 ± 0.000 $\chi^2/\text{NDF}: 204626857159139136985355773804544.0/11$
 Right Out: -2.171 ± 0.000 $\chi^2/\text{NDF}: 756432905902484239494035607126016.0/17$
 Left In: -1.580 ± 0.000 $\chi^2/\text{NDF}: 104047648288543214499863879221248.0/10$
 All: 0.026 ± 0.000 $\chi^2/\text{NDF}: 13925885170207$

dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected



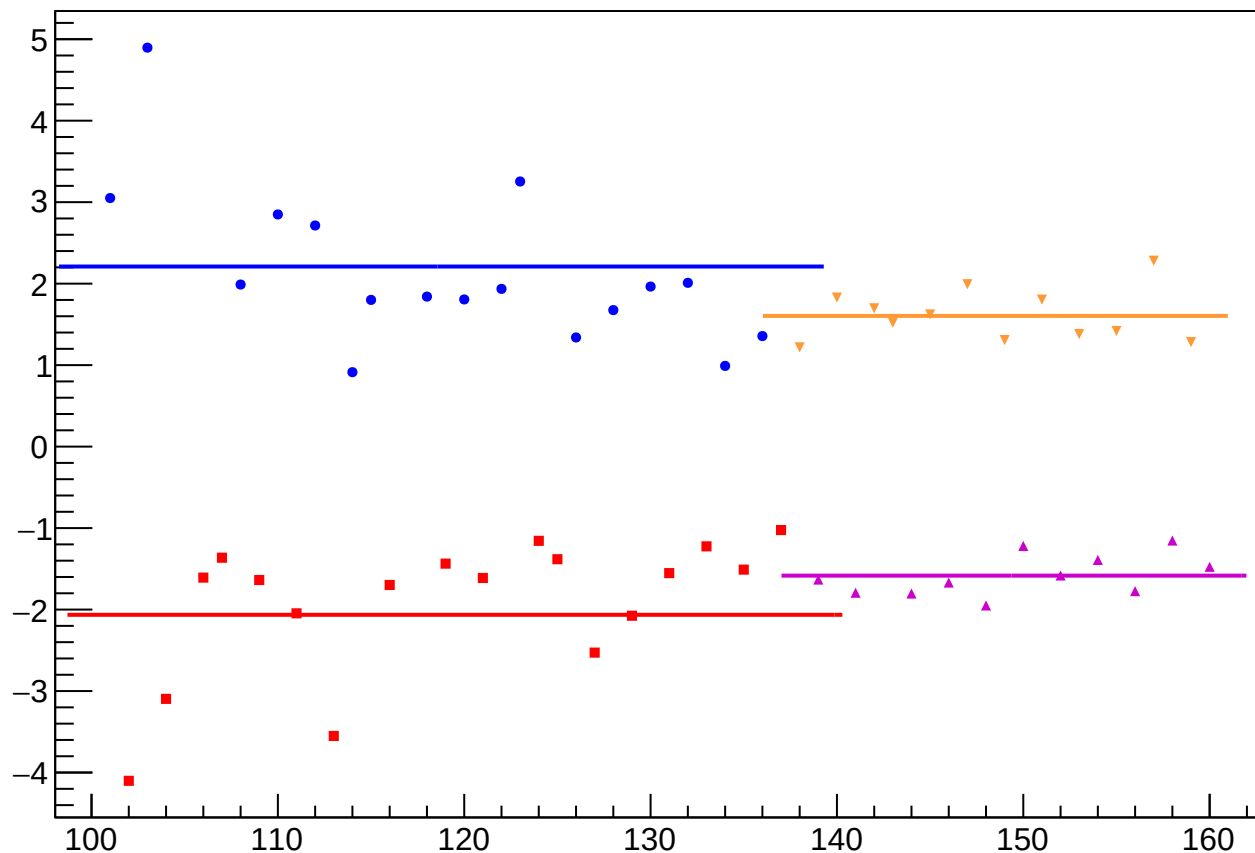
Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	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



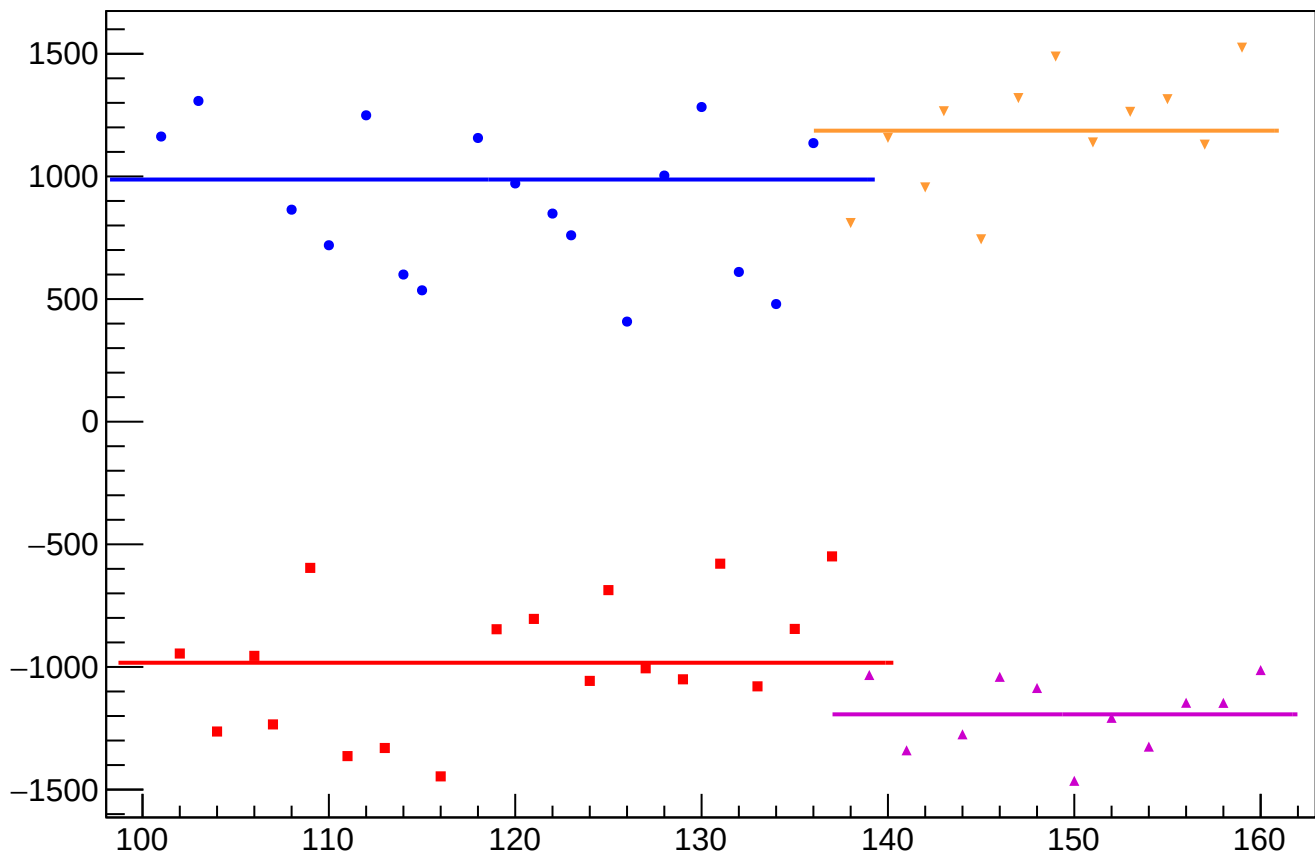
Right In: -8.394 ± 0.000 $\chi^2/\text{NDF}: 17454293749905596935063382469378048.0/16$
 Left Out: -9.098 ± 0.000 $\chi^2/\text{NDF}: 2495166400033821389722475105878016.0/11$
 Right Out: 7.423 ± 0.000 $\chi^2/\text{NDF}: 21448737498509381182656193641840640.0/17$
 Left In: 8.377 ± 0.000 $\chi^2/\text{NDF}: 7305049621104210689876244459159552.0/10$
 All: -0.299 ± 0.000 $\chi^2/\text{NDF}: 2774358772203$

dit_4eY_coil7_err_mean vs Slug, Sign Corrected



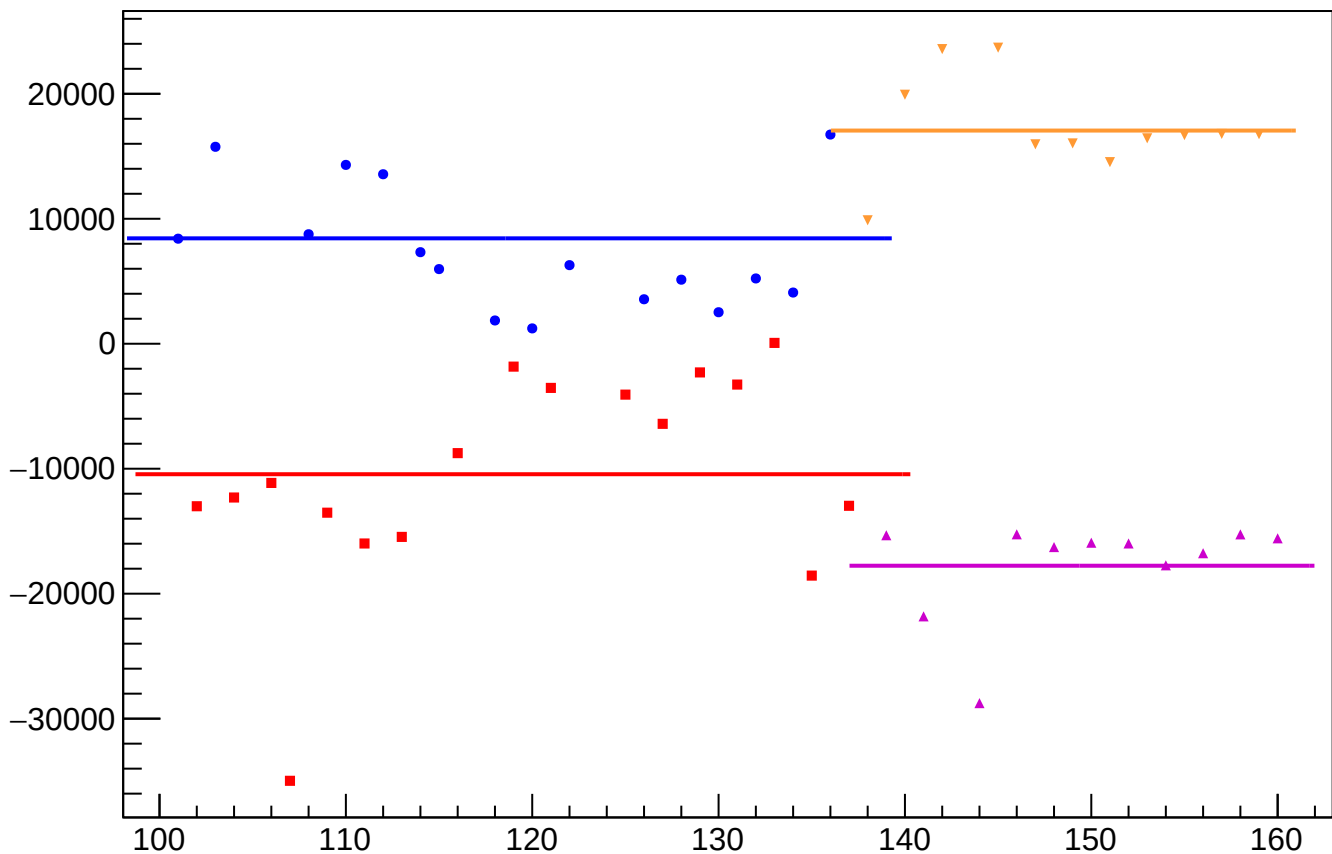
Right In: 2.210 ± 0.000 $\chi^2/\text{NDF}: 685219894303103753186103173054464.0/16$
 Left Out: 1.604 ± 0.000 $\chi^2/\text{NDF}: 88134442876960203086974867734528.0/11$
 Right Out: -2.064 ± 0.000 $\chi^2/\text{NDF}: 574315722841914805756407412948992.0/17$
 Left In: -1.583 ± 0.000 $\chi^2/\text{NDF}: 54376045146817744012212281802752.0/10$
 All: 0.012 ± 0.000 $\chi^2/\text{NDF}: 12516655106587$

dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected



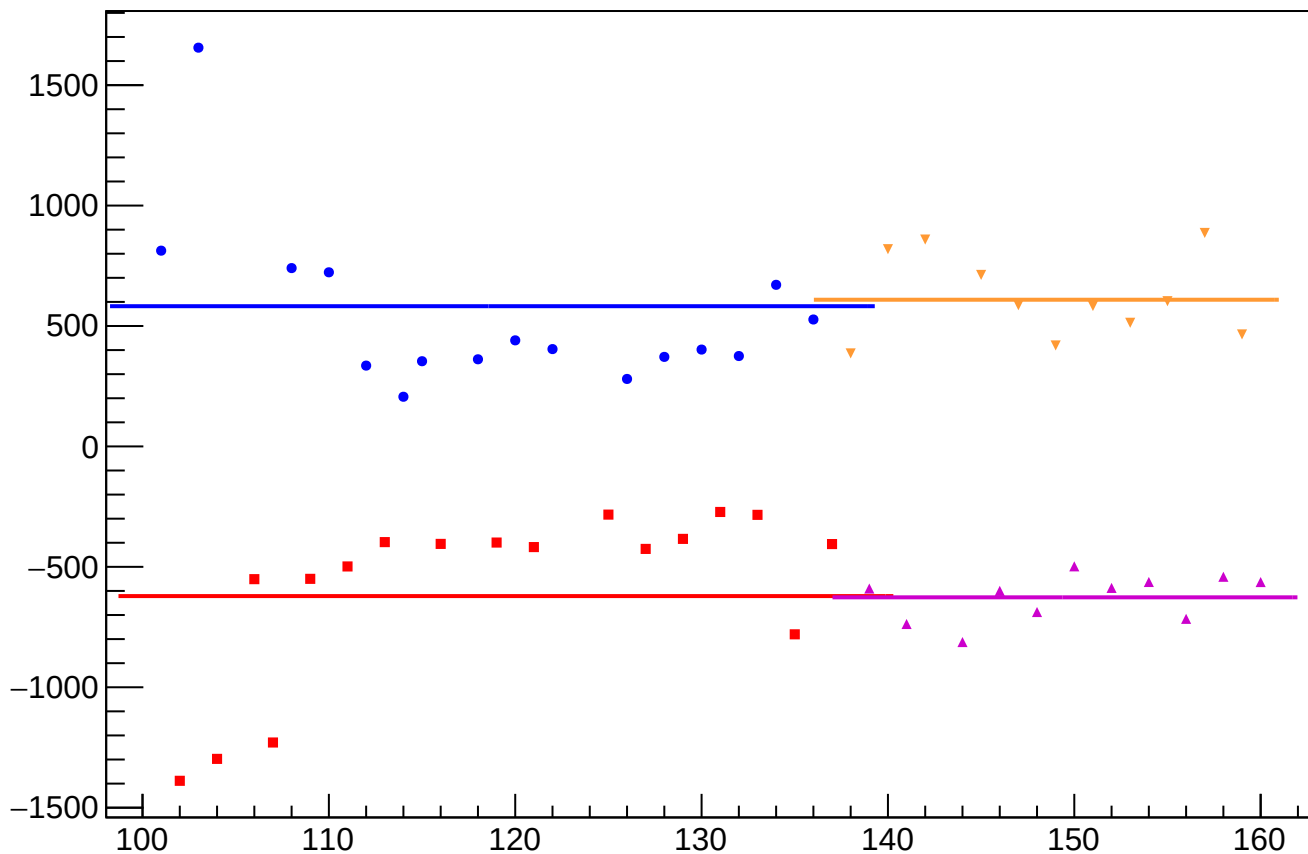
Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	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_usl_coil7_mean vs Slug, Sign Corrected



Right In: 8433.891+/-0.000 χ^2/NDF : 20327422028204985369763408215621299601408.0/15
 Left Out: 17058.273+/-0.000 χ^2/NDF : 10811611646396396135044758761220754898944.0/10
 Right Out: -10440.704+/-0.000 χ^2/NDF : 45868144044016746065453678570140629729280.0/16
 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

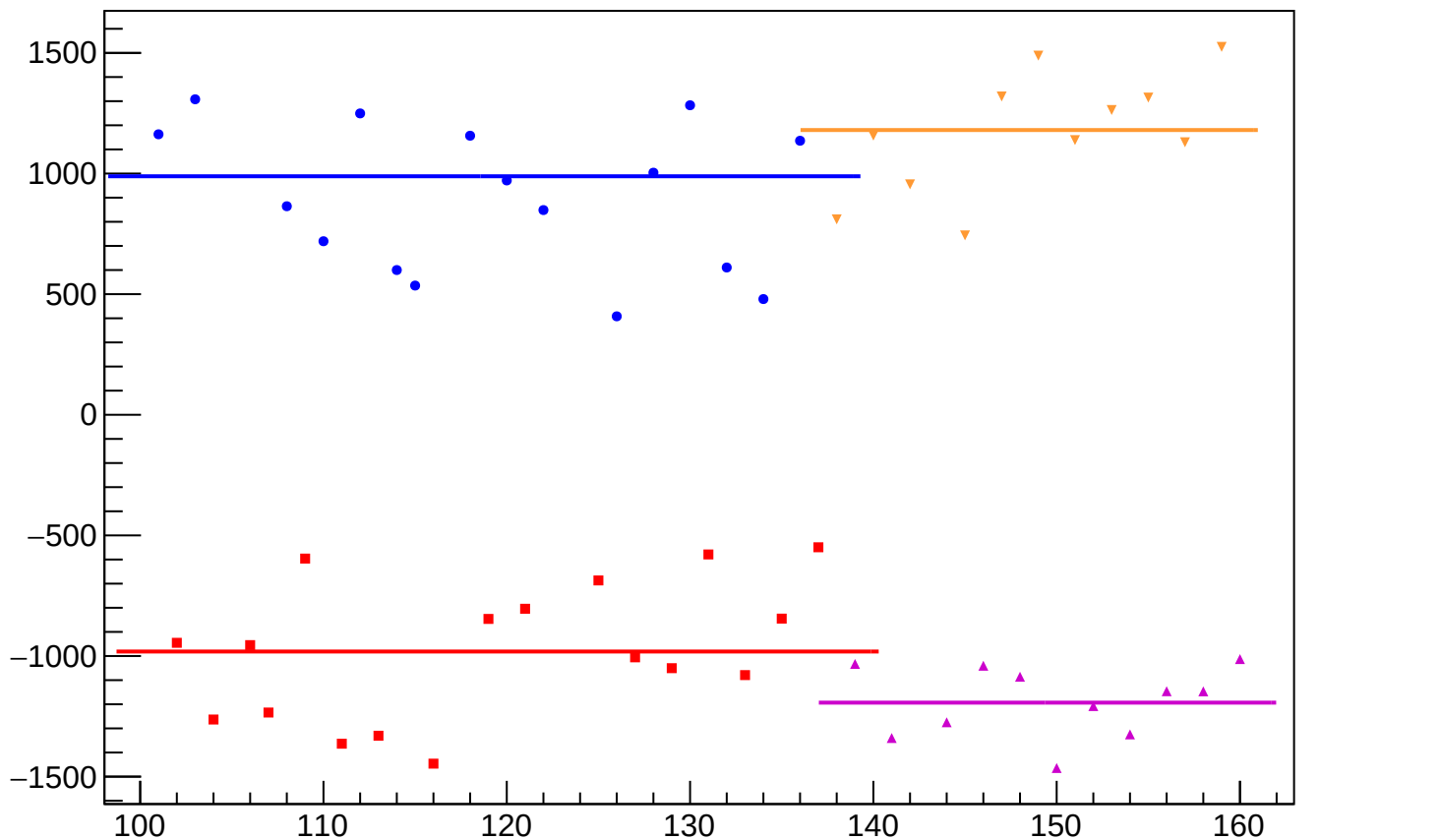
Right: -24.369+/-0.000 χ^2/NDF : 695441277498736

In: -112.697+/-0.000 χ^2/NDF : 6803947133451579

Out: 50.038+/-0.000 χ^2/NDF : 70064415971777849

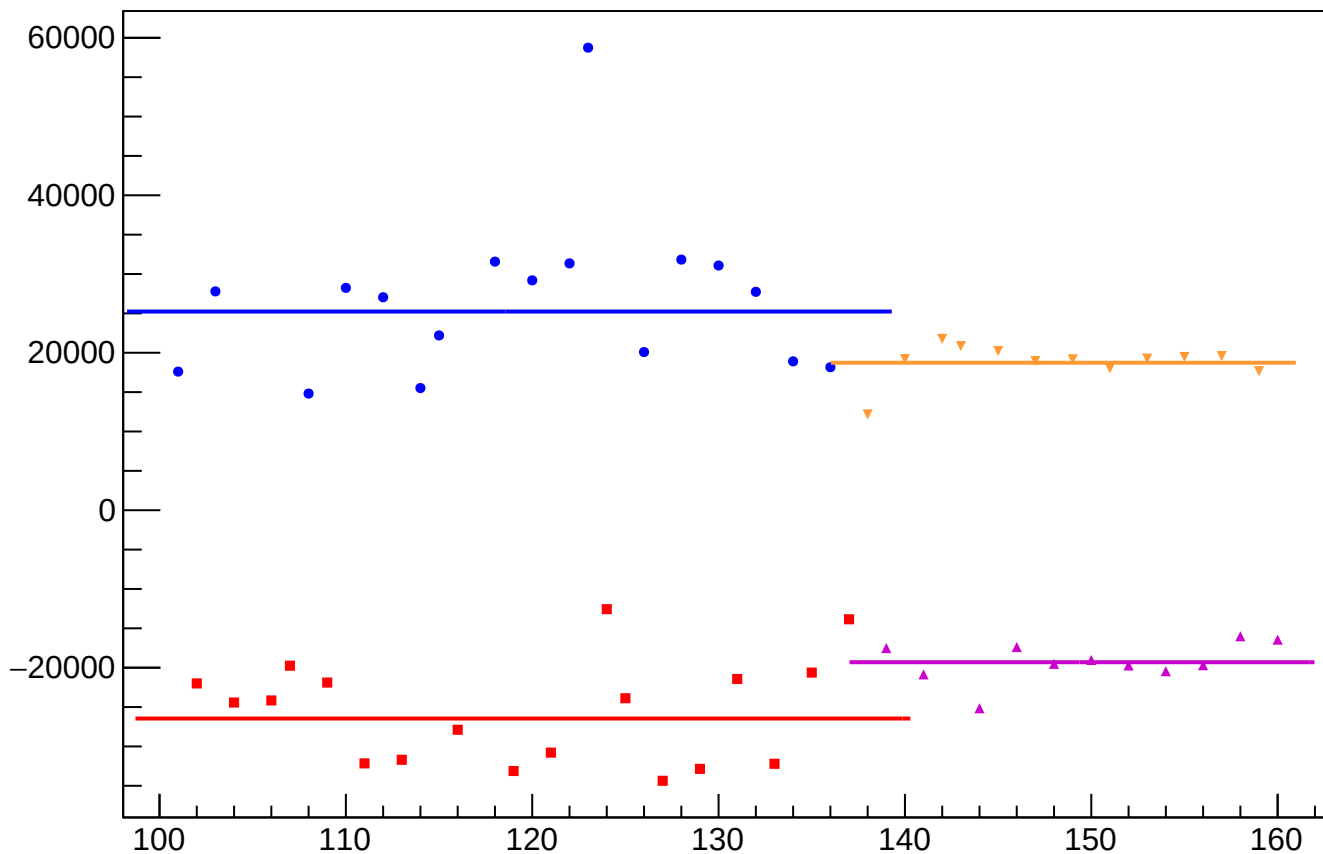
All: -33.386+/-0.000 χ^2/NDF : 140198658530

dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected



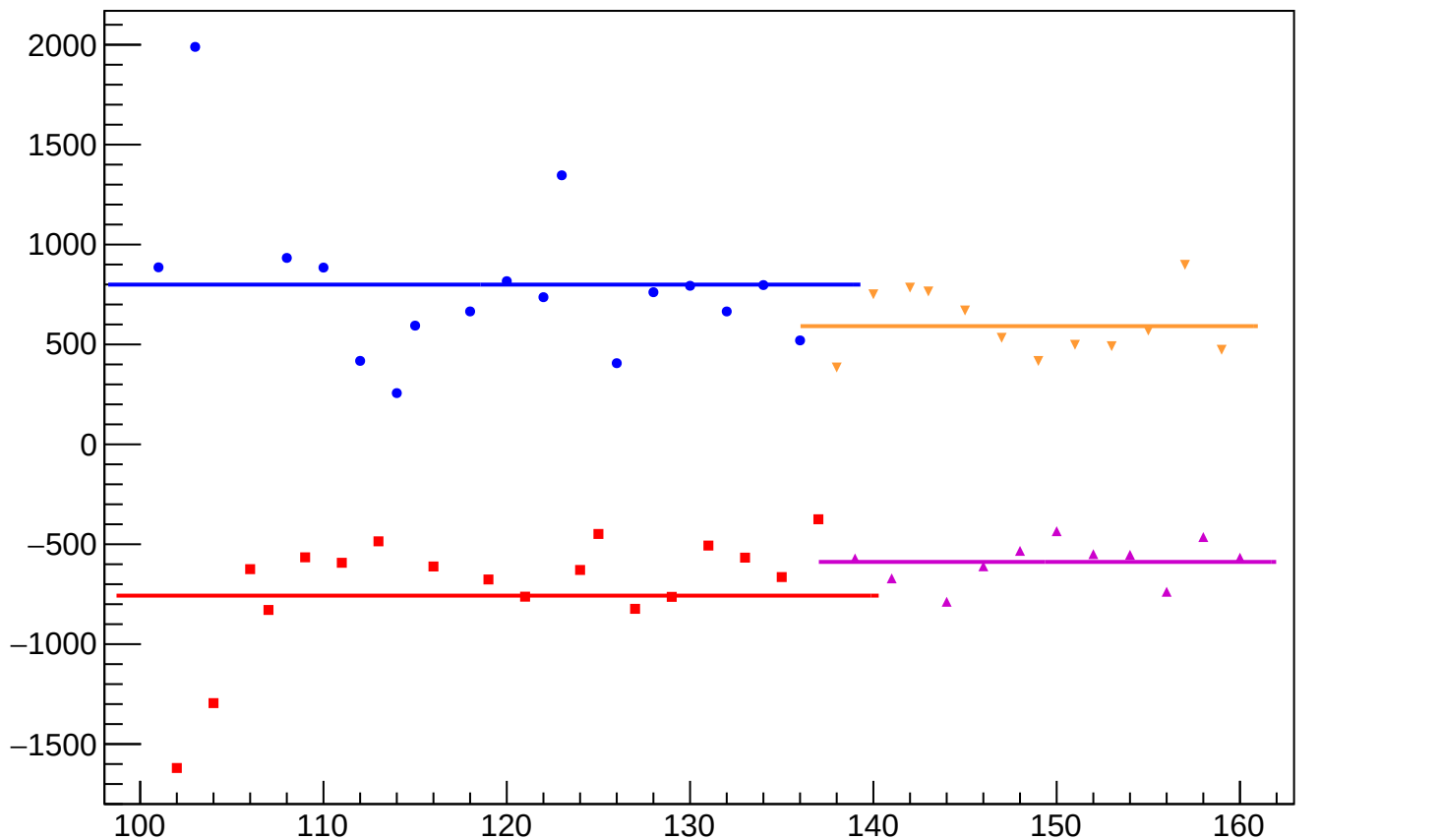
Right In: 988.706 ± 0.000 $\chi^2/\text{NDF}: 52363367379197496459026096064200441856.0/15$
 Left Out: 1180.302 ± 0.000 $\chi^2/\text{NDF}: 49311054965426356670958856612989632512.0/10$
 Right Out: -981.352 ± 0.000 $\chi^2/\text{NDF}: 48028000110939353209143459445919973376.0/16$
 Left In: -1193.230 ± 0.000 $\chi^2/\text{NDF}: 18719715189237327364686937904868491264.0/10$
 All: -39.542 ± 0.000 $\chi^2/\text{NDF}: 401447824539$

dit_usr_coil7_mean vs Slug, Sign Corrected



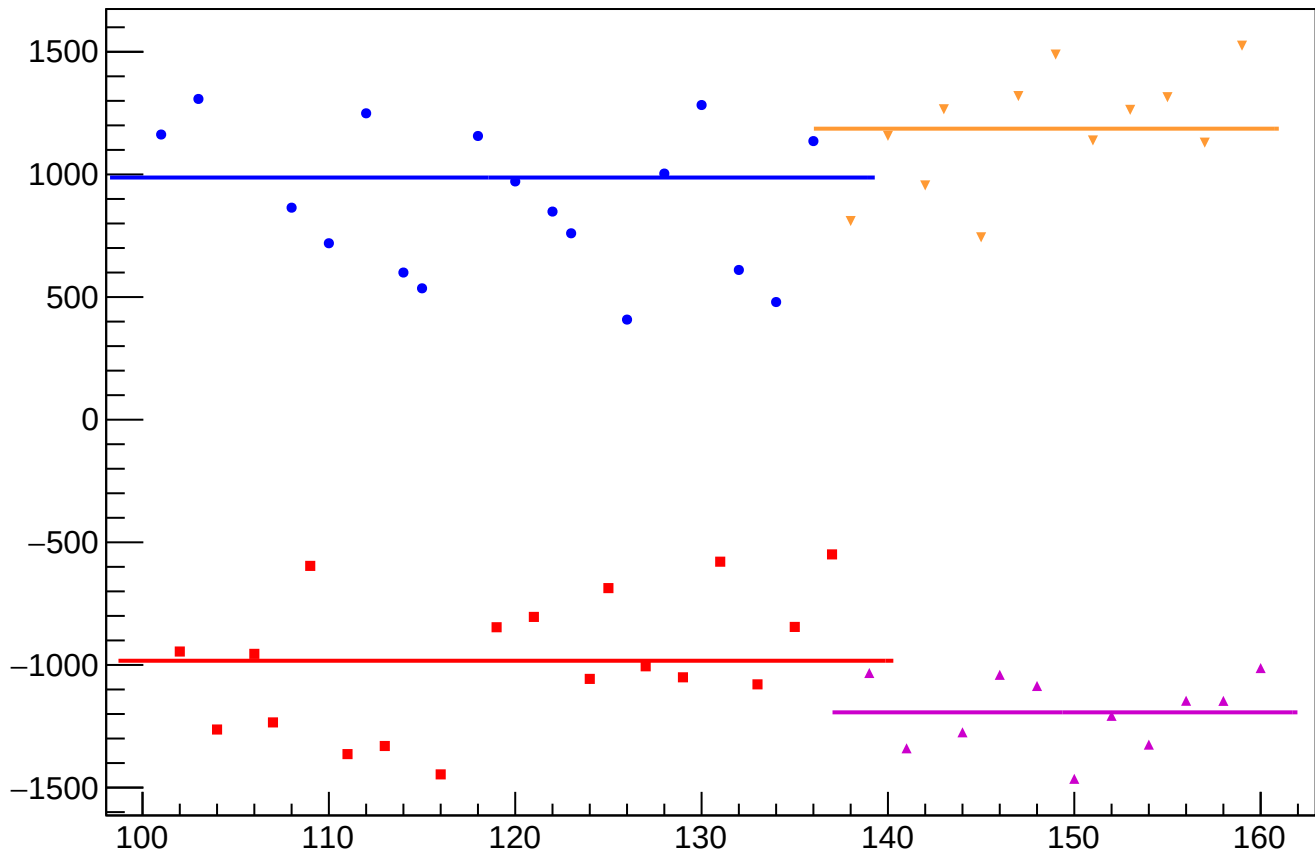
Right In: 25236.317+/-0.000 χ^2/NDF : 29071522213059582283269412071648973029376.0/16
 Left Out: 18733.088+/-0.000 χ^2/NDF : 4548859708795276009115062862764547506176.0/11
 Right Out: -26455.988+/-0.000 χ^2/NDF : 24365500126615965846523683173160051539968.0/17
 Left In: -19304.267+/-0.000 χ^2/NDF : 5534312846763223984199919197299769606144.0/10
 All: -733.477+/-0.000 χ^2/NDF : 16708833961

dit_usr_coil7_err_mean vs Slug, Sign Corrected



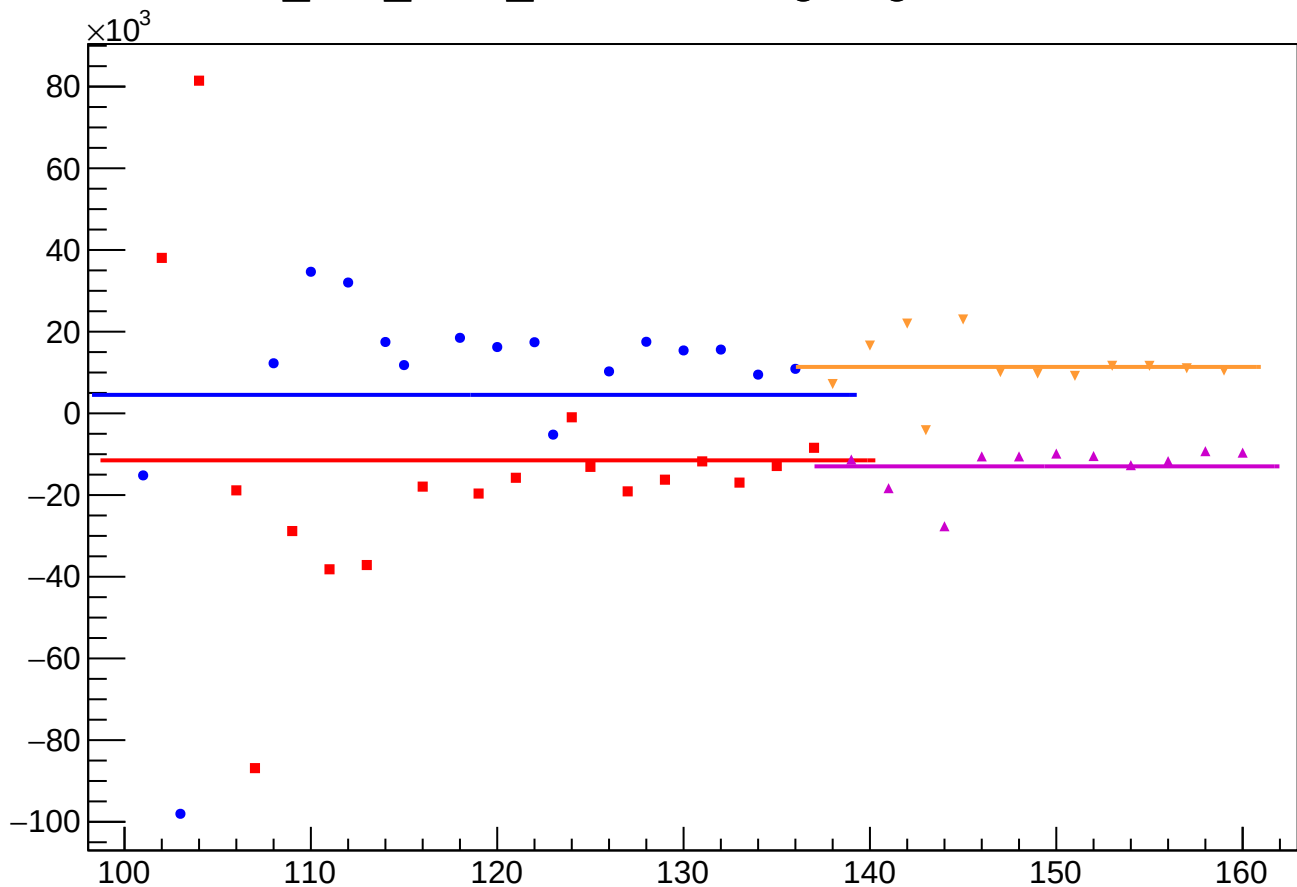
Right In: 799.524+/-0.000 χ^2/NDF : 112536154235498414231657645251770712064.0/16
 Left Out: 591.628+/-0.000 χ^2/NDF : 22099670593221557738114196407951818752.0/11
 Right Out: -757.193+/-0.000 χ^2/NDF : 76794158982285513543711222288246374400.0/17
 Left In: -588.417+/-0.000 χ^2/NDF : 9911176401969663265546101605651185664.0/10
 All: 0.699+/-0.000 χ^2/NDF : 17161176643386

dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected



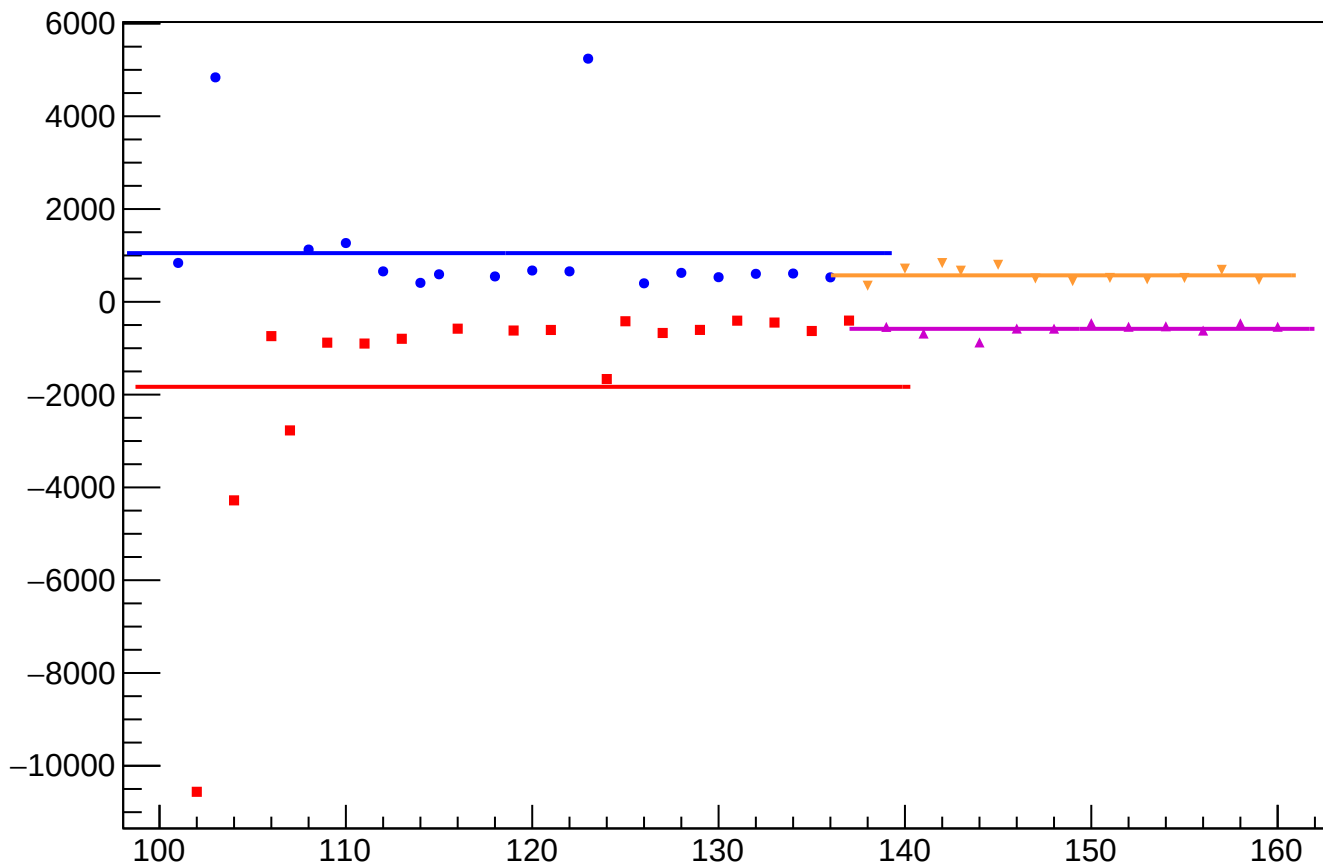
Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	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



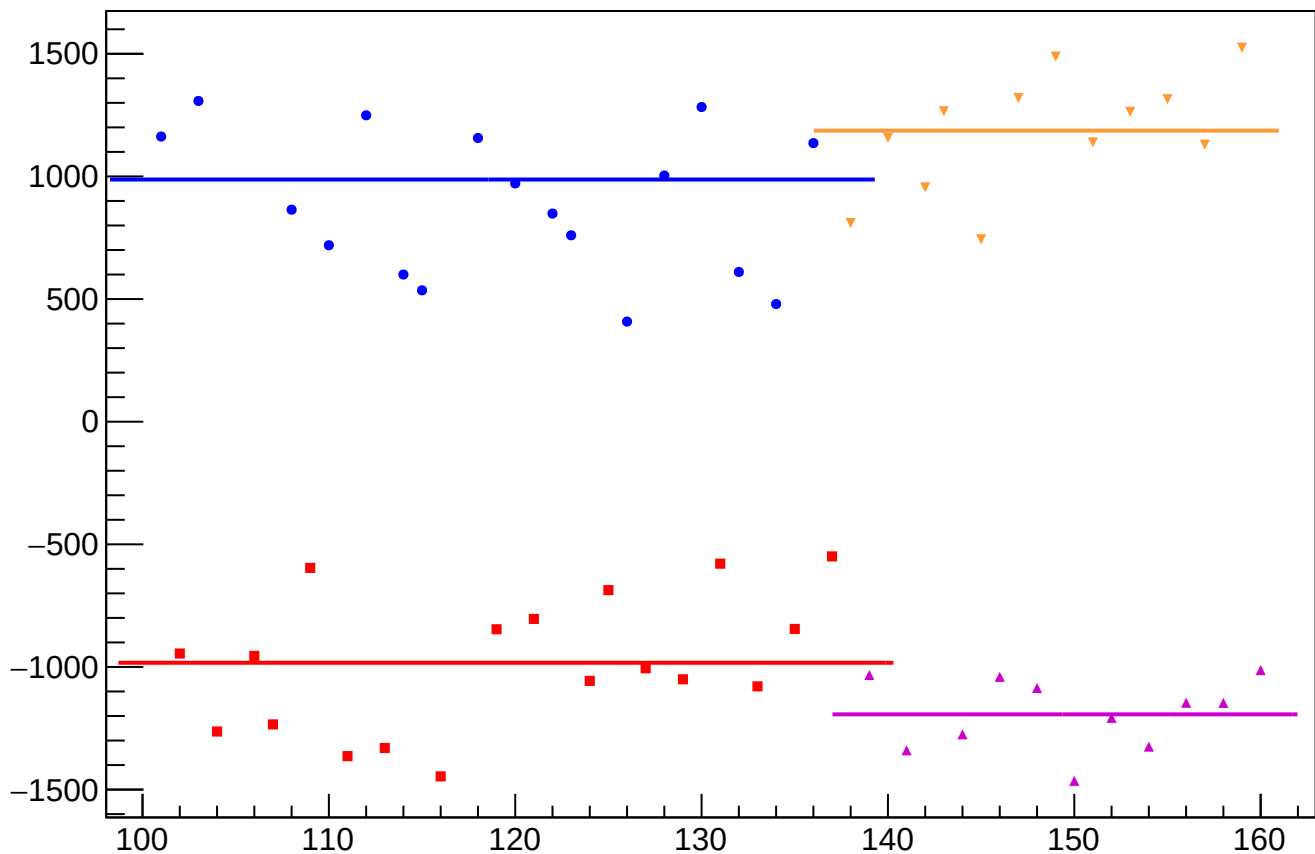
Left: -960.479 ± 0.000 $\chi^2/\text{NDF}: 335486095766420$
 Right In: 4528.489 ± 0.000 $\chi^2/\text{NDF}: 765984421186945141508299673026645807071232.0/16$
 Right: -3606.875 ± 0.000 $\chi^2/\text{NDF}: 1734338684429$
 Left Out: 11369.972 ± 0.000 $\chi^2/\text{NDF}: 36208718267646883298044880734212432330752.0/11$
 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 $\pm$ 0.000 χ^2 /NDF: 1038421858157169578640574748223478956032.0/16
 Left Out: 570.856 $\pm$ 0.000 χ^2 /NDF: 18128369827839480022049807034159726592.0/11
 Right Out: -1831.763 $\pm$ 0.000 χ^2 /NDF: 5560667897153995144780835972954558824448.0/17
 Left In: -581.939 $\pm$ 0.000 χ^2 /NDF: 11881601275531706993869358655522996224.0/10
 All: -186.159 $\pm$ 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 Out: 1186.594 +/- 0.000

χ^2/NDF : 49763362019555548841298308984106647552.0/11

Right Out: -982.831 +/- 0.000

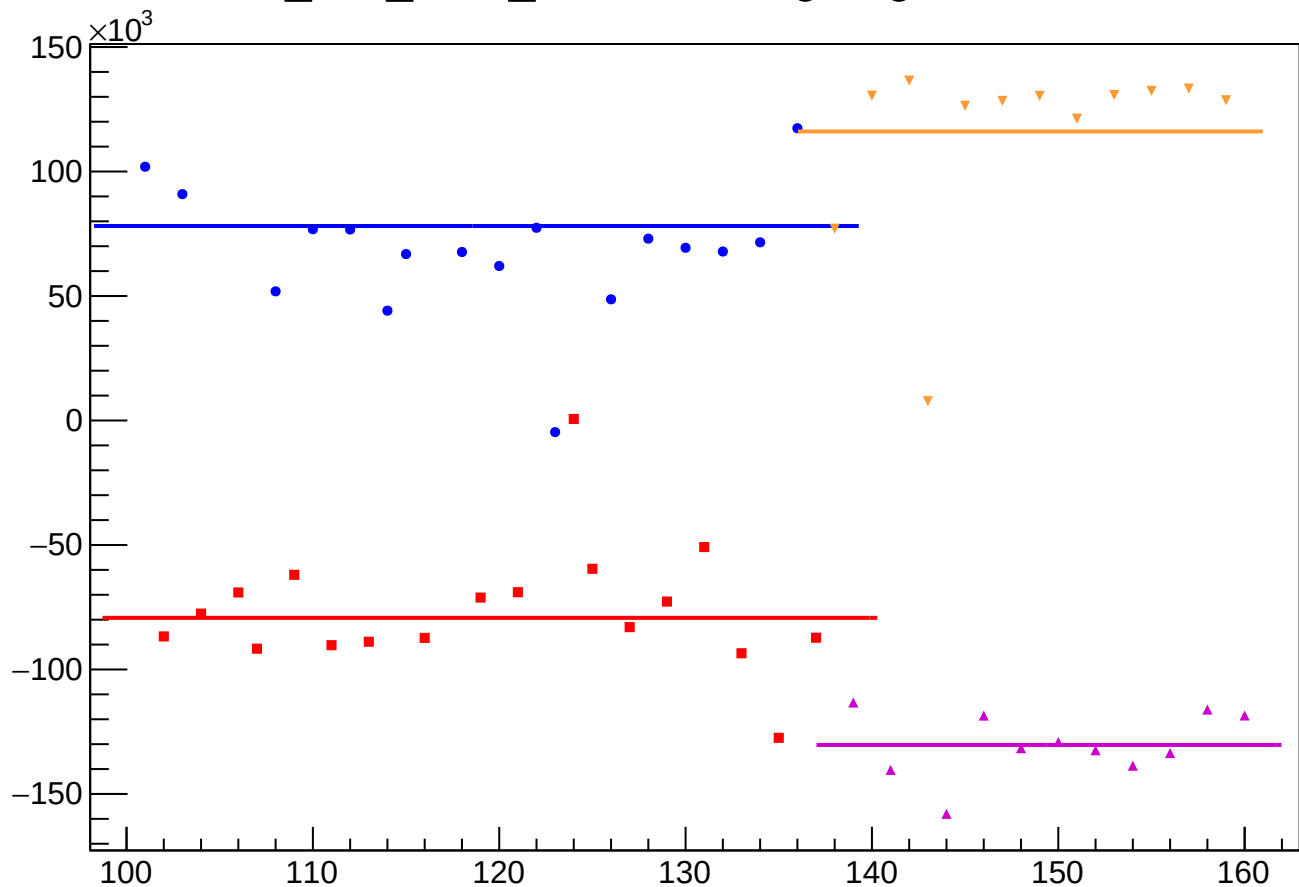
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230 +/- 0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

All: -16.040 +/- 0.000 χ^2/NDF : 414386874879

dit_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

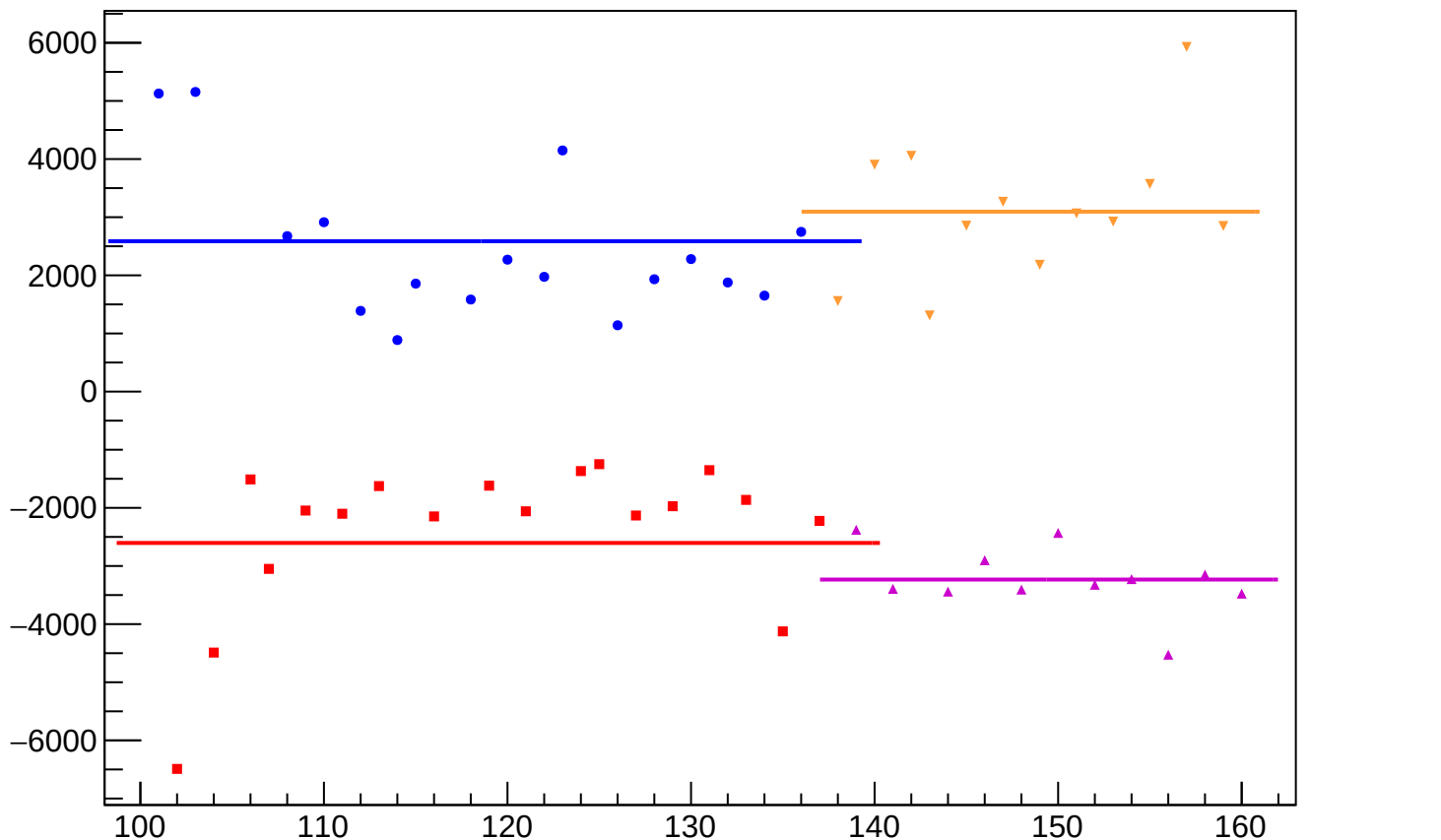
Right: -1742.952+/-0.000 χ^2/NDF : 9334870875198

In: -41408.268+/-0.000 χ^2/NDF : 17746793350482

Out: 30079.453+/-0.000 χ^2/NDF : 16629893935480

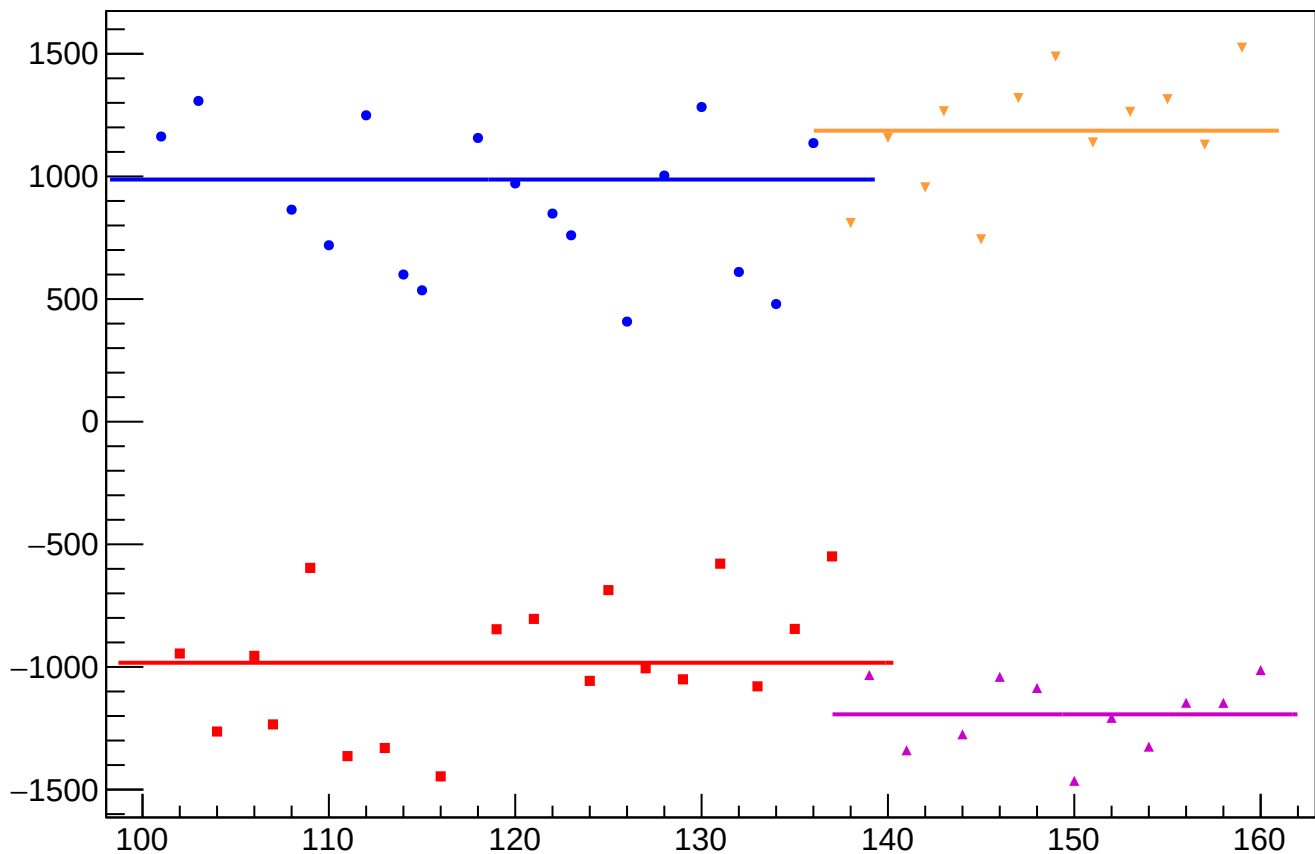
All: -5697.392+/-0.000 χ^2/NDF : 3853023790

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 +/- 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

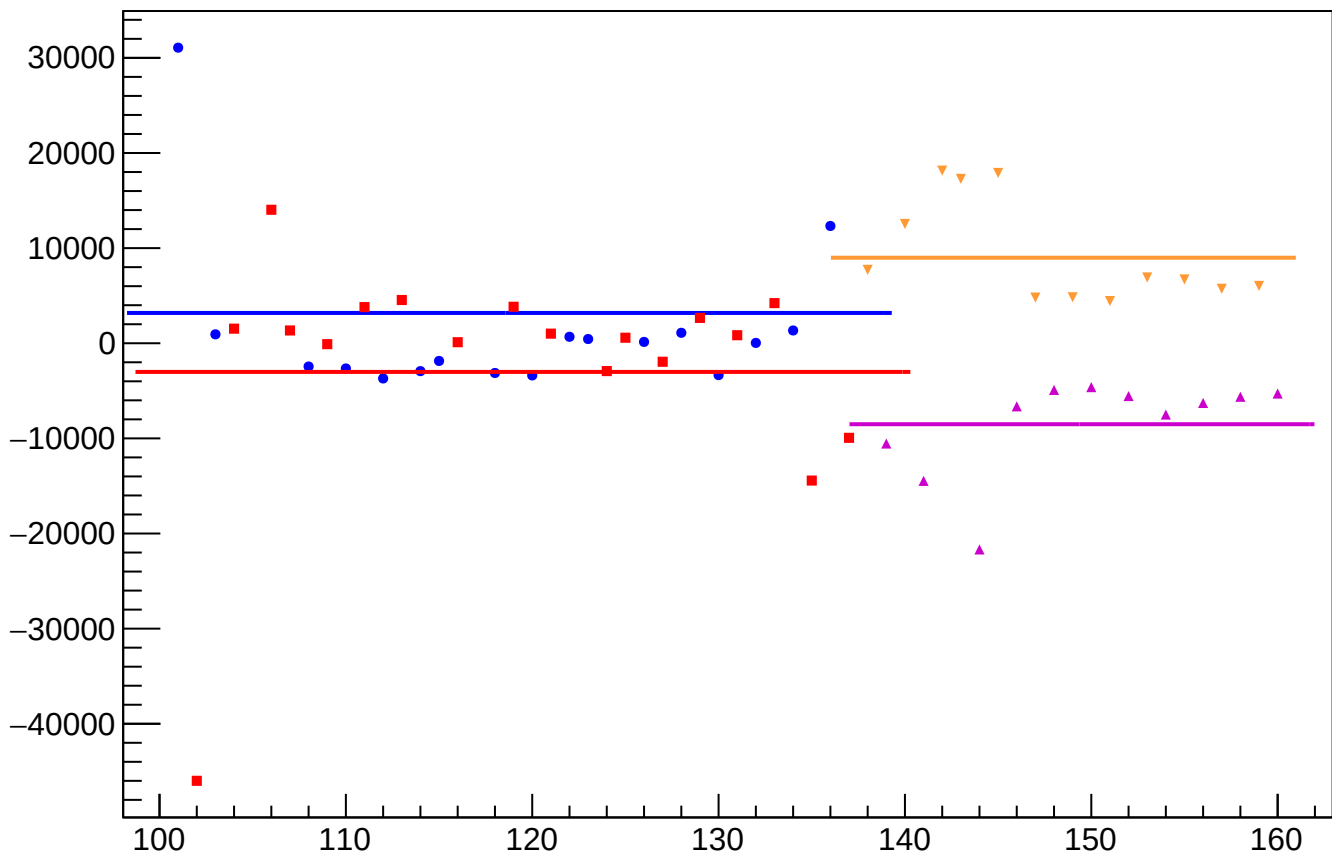
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230 +/- 0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

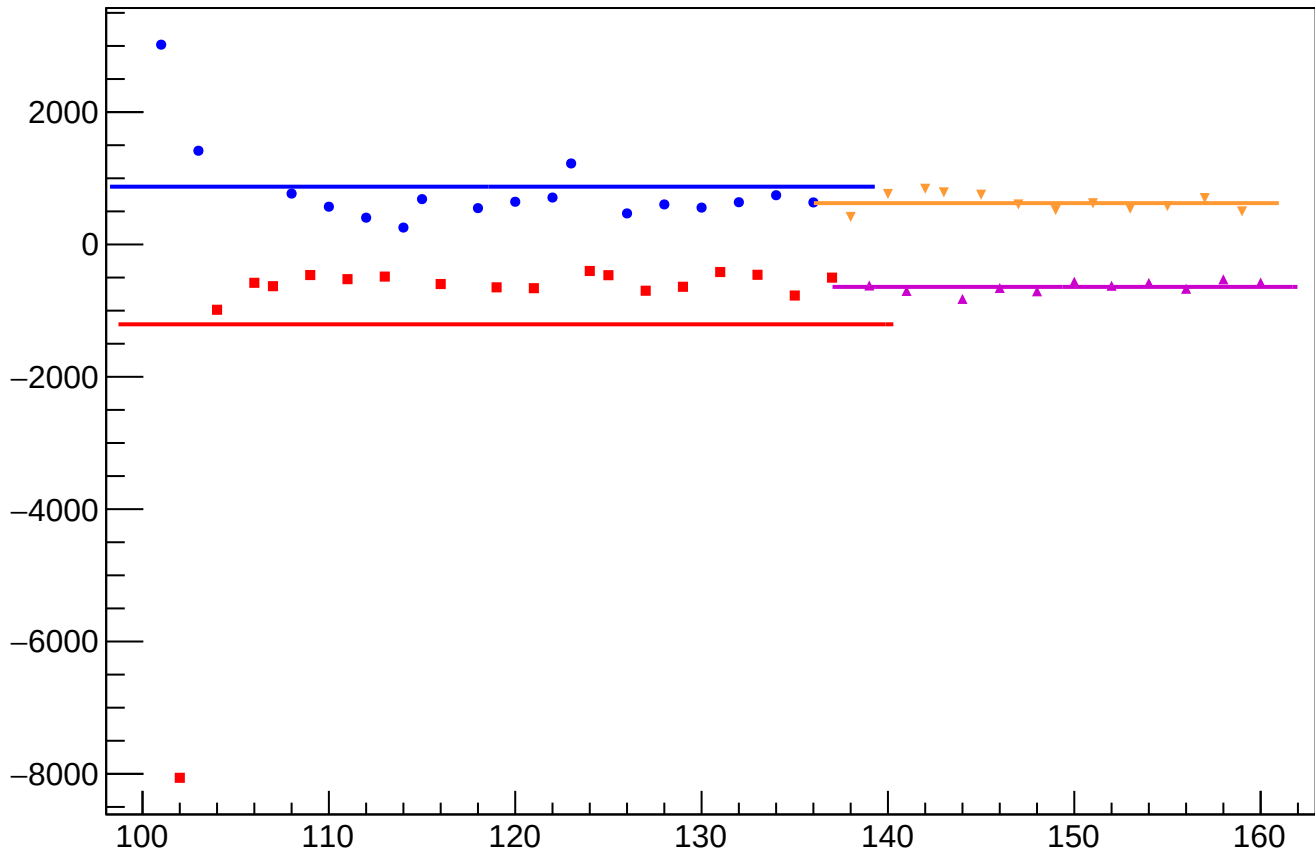
All: -16.040 +/- 0.000 χ^2/NDF : 414386874879

dit_atr1_coil7_mean vs Slug, Sign Corrected



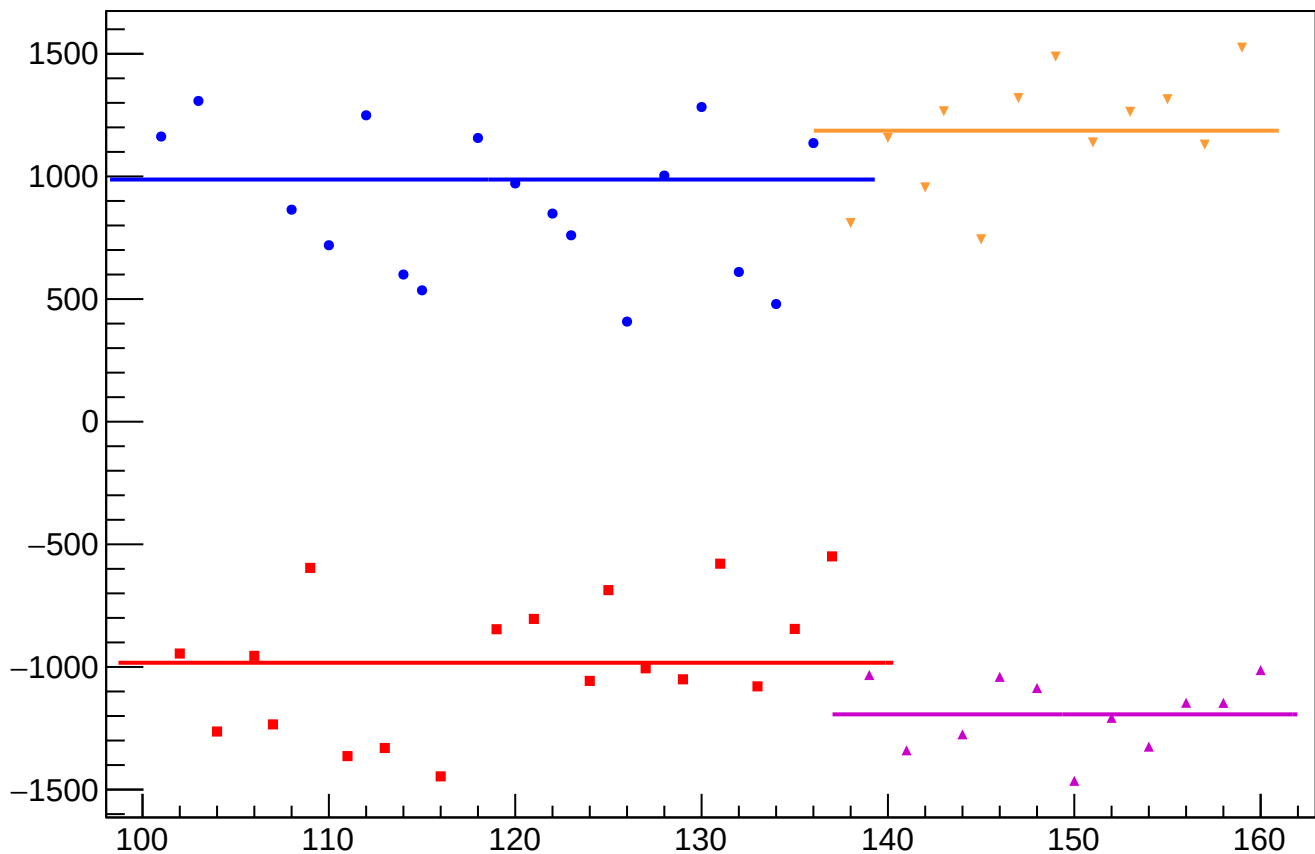
Right In: 3187.051+/-0.000 χ^2/NDF : 66270389171193911836791515591398561677312.0/16
 Left Out: 8990.897+/-0.000 χ^2/NDF : 22509101259112678607157462677691985559552.0/11
 Right Out: -3012.400+/-0.000 χ^2/NDF : 138157018088298657463529912150565226283008.0/17
 Left In: -8511.318+/-0.000 χ^2/NDF : 24333332735687390089977674929475300622336.0/10
 All: 89.084+/-0.000 χ^2/NDF : 4058505302621

dit_atr1_coil7_err_mean vs Slug, Sign Corrected



Right In: 873.306 ± 0.000 $\chi^2/\text{NDF}: 340993590653355605867273192516364533760.0/16$
 Left Out: 624.813 ± 0.000 $\chi^2/\text{NDF}: 13578620393793038879015873058055389184.0/11$
 Right Out: -1206.661 ± 0.000 $\chi^2/\text{NDF}: 2979483538609797767268010500388070359040.0/17$
 Left In: -641.139 ± 0.000 $\chi^2/\text{NDF}: 604973887802963625692620261114180608.0/10$
 All: -88.255 ± 0.000 $\chi^2/\text{NDF}: 562351898294$

dit_atr1_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

Left: -18.822+/-0.000 χ^2/NDF : 2676111842139268

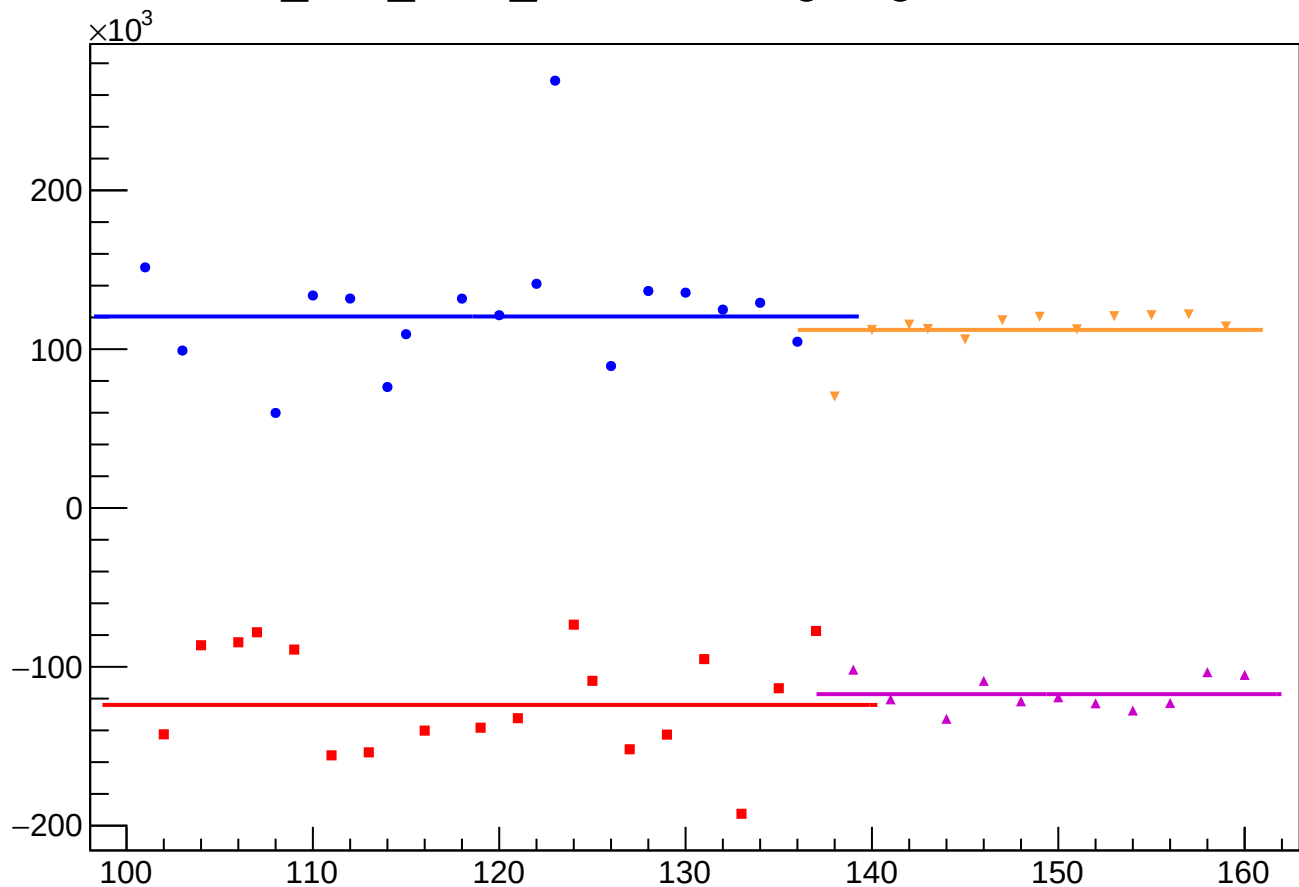
Right: -12.404+/-0.000 χ^2/NDF : 146772402174972

In: -263.084+/-0.000 χ^2/NDF : 1963690344467940

Out: 231.459+/-0.000 χ^2/NDF : 1981402088557405

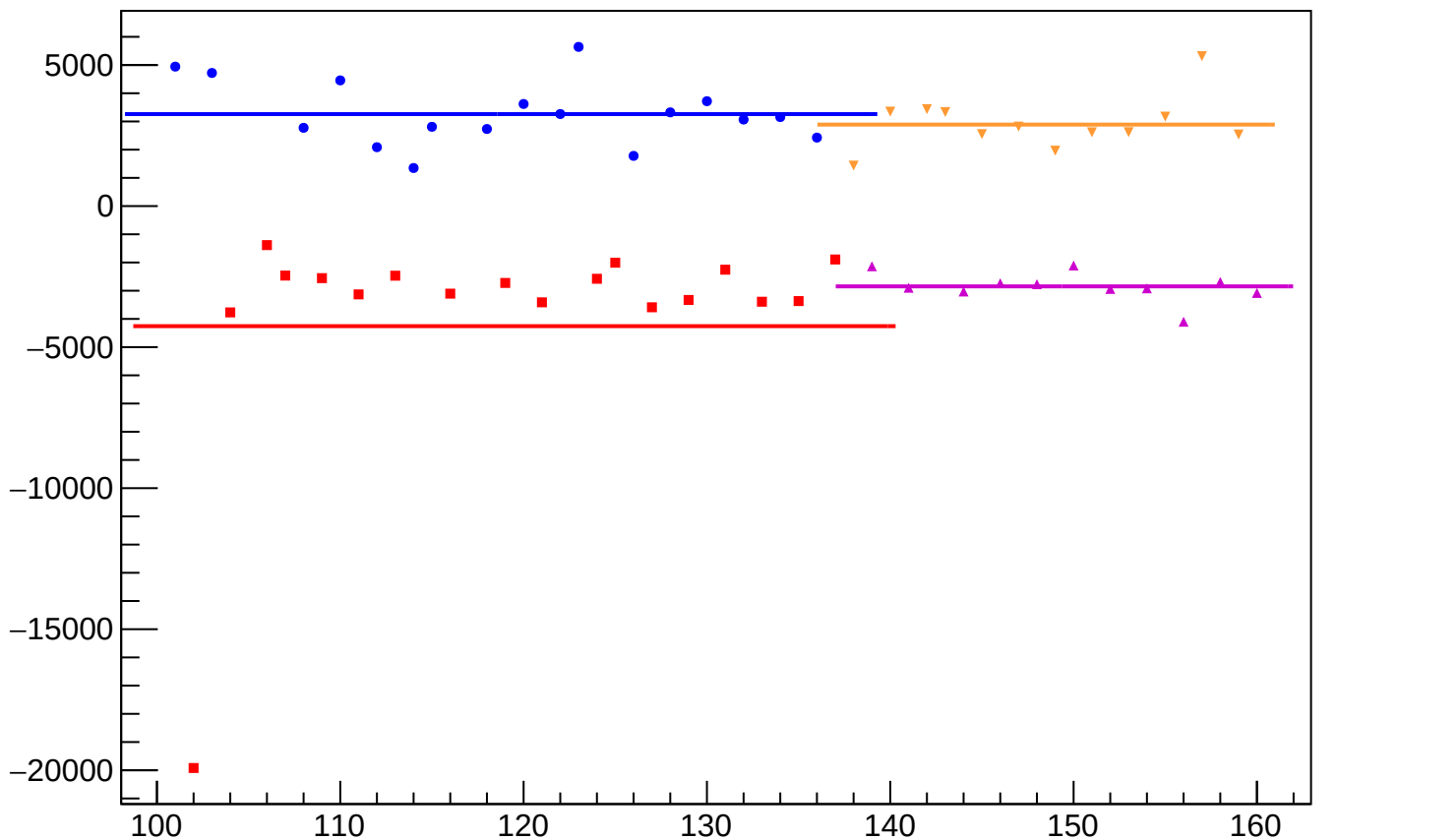
All: -16.040+/-0.000 χ^2/NDF : 414386874879

dit_atr2_coil7_mean vs Slug, Sign Corrected



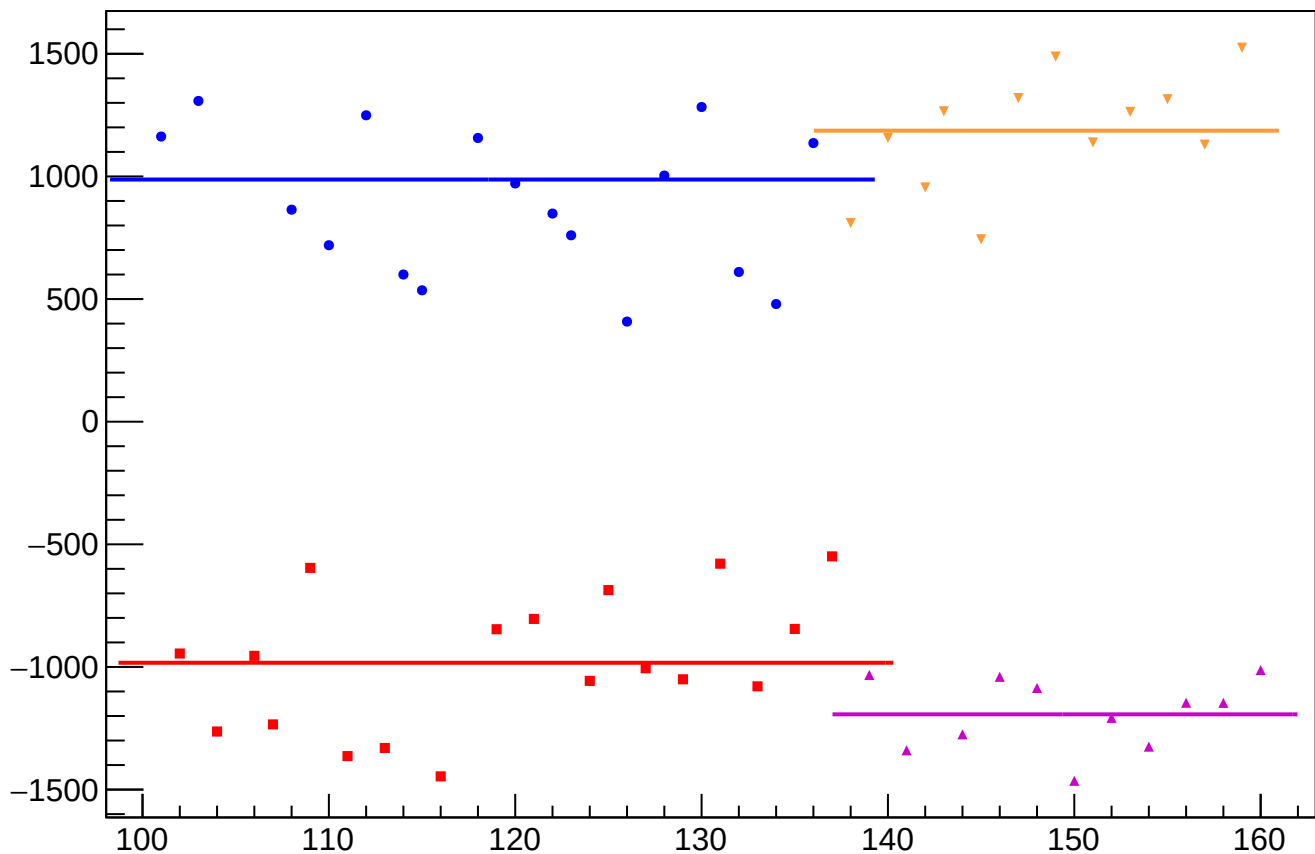
Left: -4015.080+/-0.000 χ^2/NDF : 24476989931131
 Right In: 120586.708+/-0.000 χ^2/NDF : 463702909226593065118055925390873188106240.0/16
 Right: -3514.396+/-0.000 χ^2/NDF : 2228135518347
 Left Out: 112145.166+/-0.000 χ^2/NDF : 169803943899249833628115478004203597594624.0/11
 In: -15764.325+/-0.000 χ^2/NDF : 23055739050146
 Right Out: -123970.573+/-0.000 χ^2/NDF : 754871099831913254311543250015602251661312.0/17
 Out: 8190.269+/-0.000 χ^2/NDF : 232364322975440
 Left In: -117187.281+/-0.000 χ^2/NDF : 92050085463575690364904587071982548287488.0/10
 All: -3798.081+/-0.000 χ^2/NDF : 4675854524

dit_atr2_coil7_err_mean vs Slug, Sign Corrected



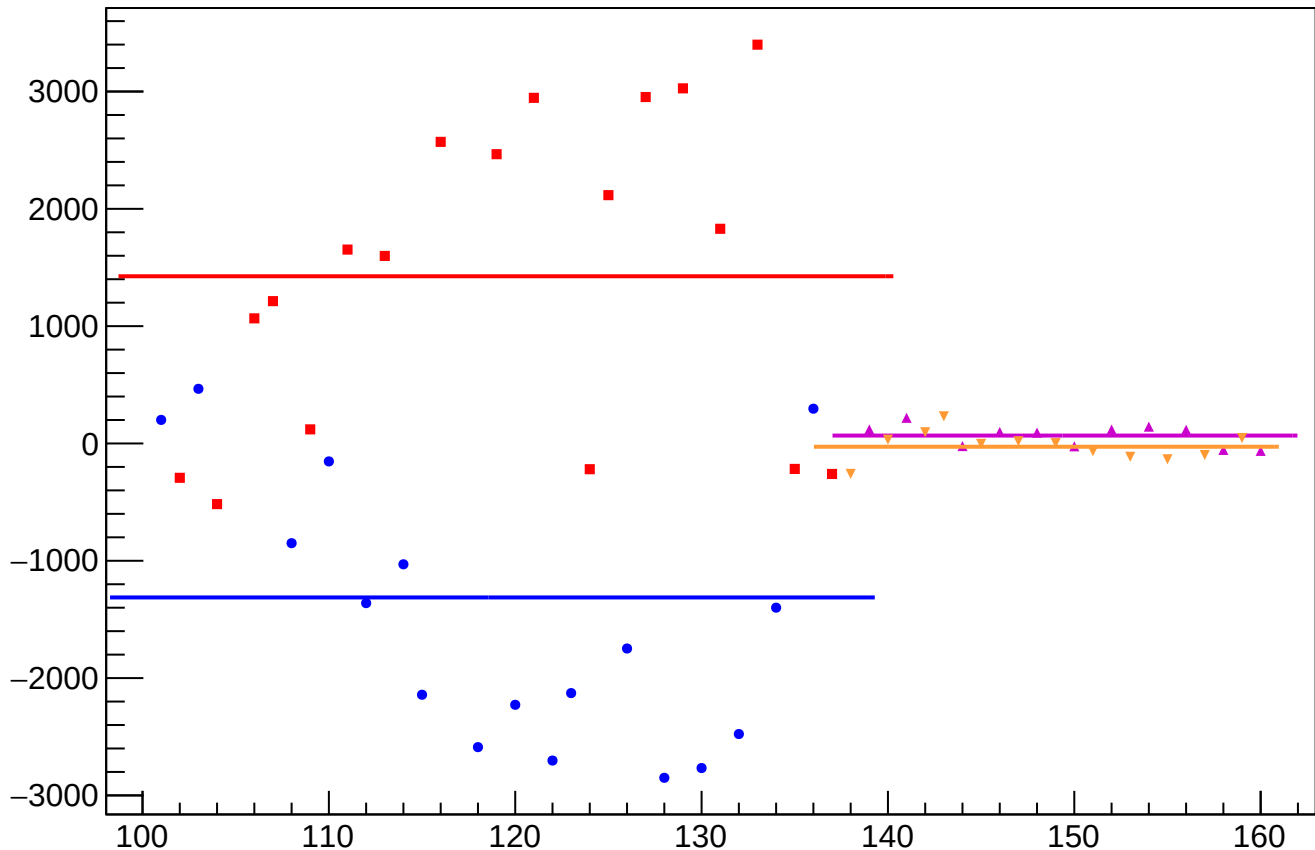
Right In: 3260.820 ± 0.000 $\chi^2/\text{NDF}: 672456168638567614426723356415113560064.0/16$
 Left Out: 2888.367 ± 0.000 $\chi^2/\text{NDF}: 753668821958591987367767496119843553280.0/11$
 Right Out: -4256.861 ± 0.000 $\chi^2/\text{NDF}: 15744364448860197338037677656678376407040.0/17$
 Left In: -2846.533 ± 0.000 $\chi^2/\text{NDF}: 228998195535204617287883903315551977472.0/10$
 All: -249.442 ± 0.000 $\chi^2/\text{NDF}: 52676234483$

dit_atr2_coil7_Ndata_mean vs Slug, Sign Corrected



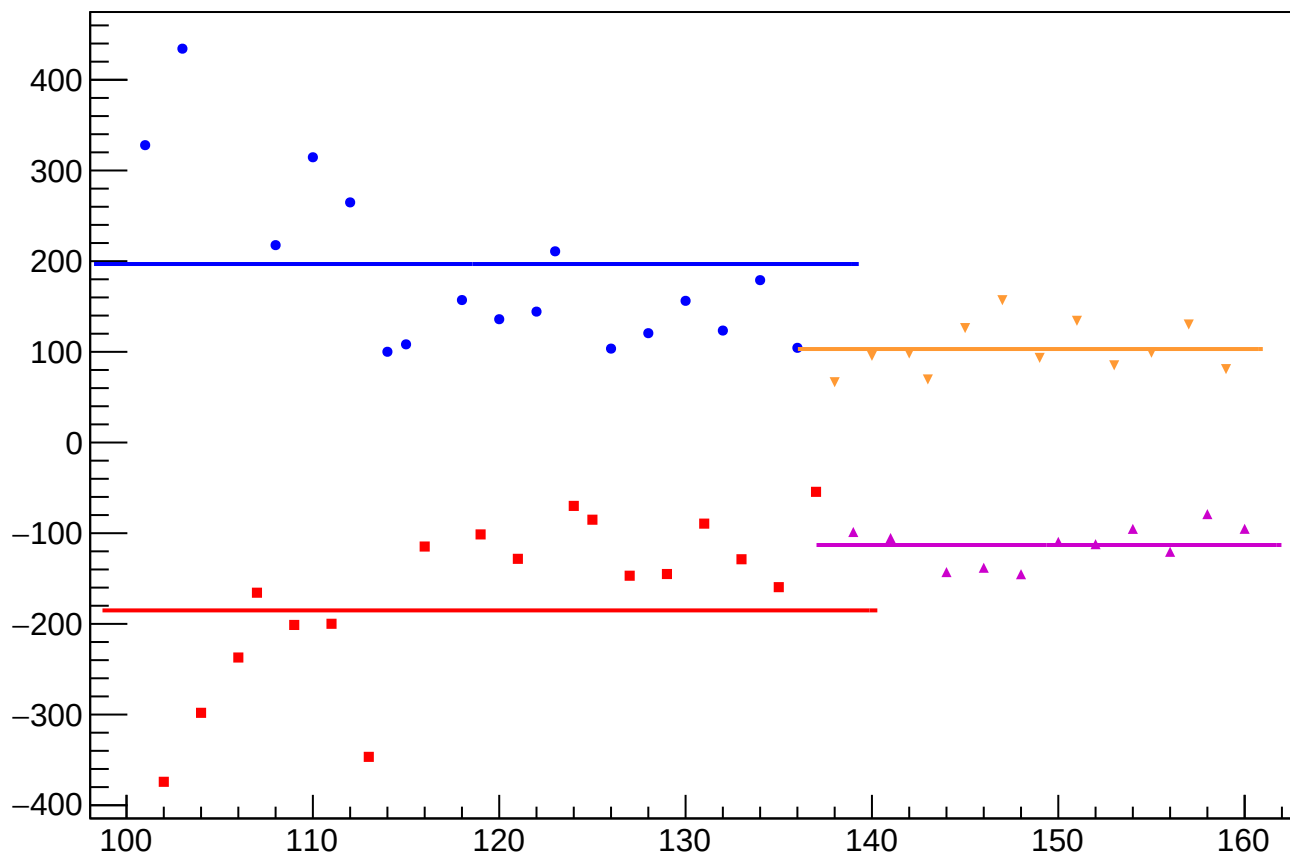
Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	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



Left: 20.341+/-0.000 χ^2/NDF : 23963856797224553
 Right In: -1312.539+/-0.000 χ^2/NDF : 1111791822009253468495433607153226612736.0/16
 Right: 76.793+/-0.000 χ^2/NDF : 5011395418904363
 Left Out: -27.898+/-0.000 χ^2/NDF : 12443192627710109481350397021099393024.0/11
 In: -521.250+/-0.000 χ^2/NDF : 1876902541000526
 Right Out: 1425.319+/-0.000 χ^2/NDF : 1259772432394270570555753847649915109376.0/17
 Out: 611.911+/-0.000 χ^2/NDF : 2117386598922048
 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

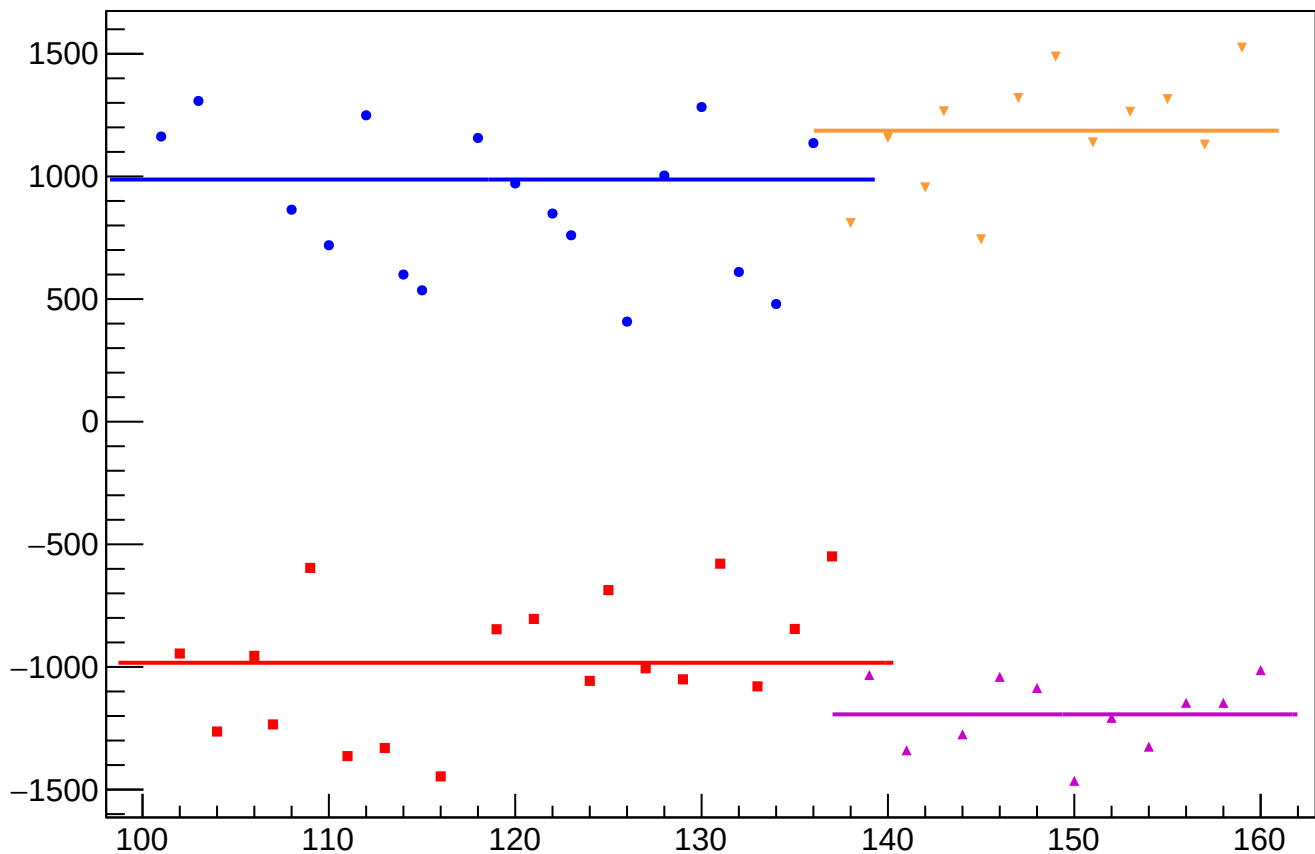
χ^2/NDF : 6160706554997434160213032977968398336.0/17

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

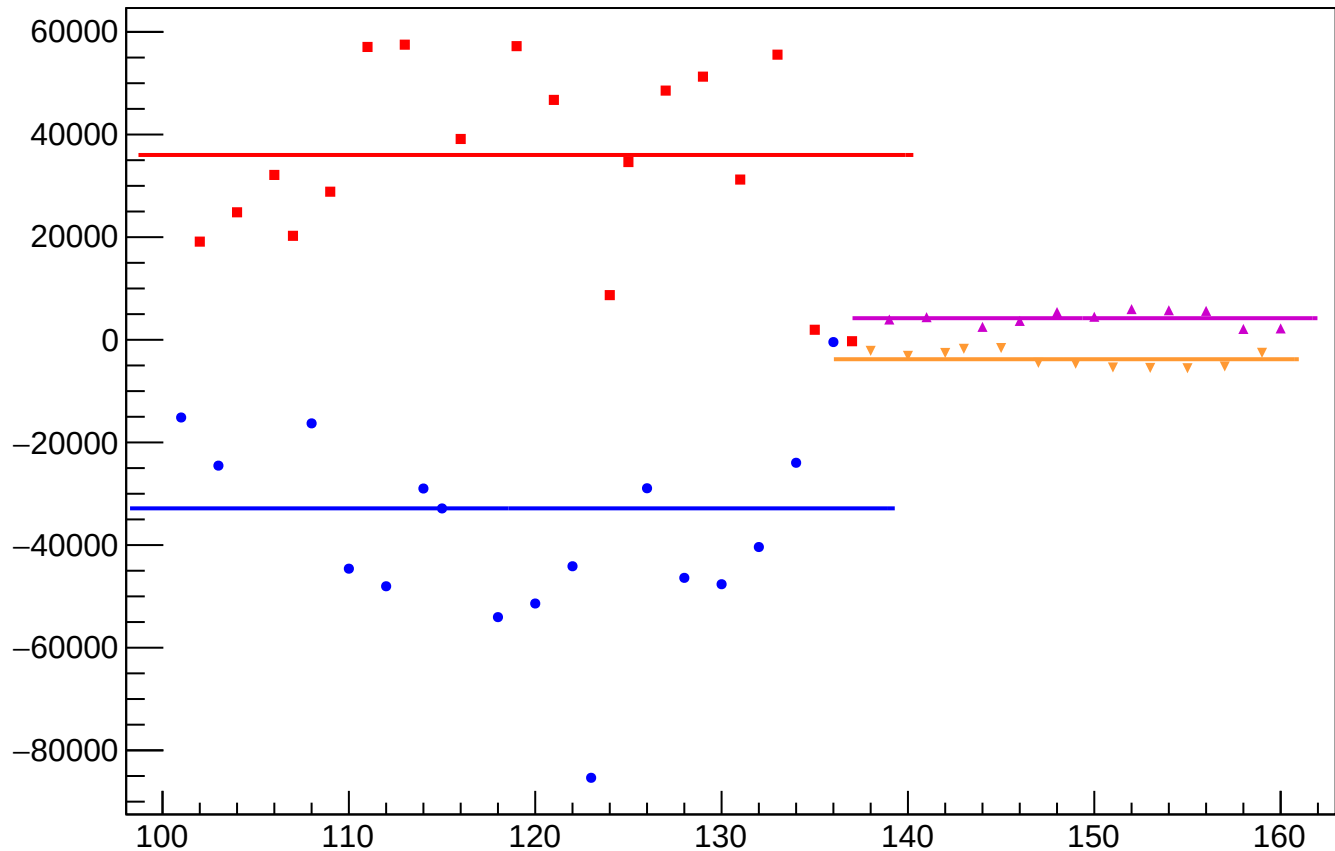
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230+/-0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

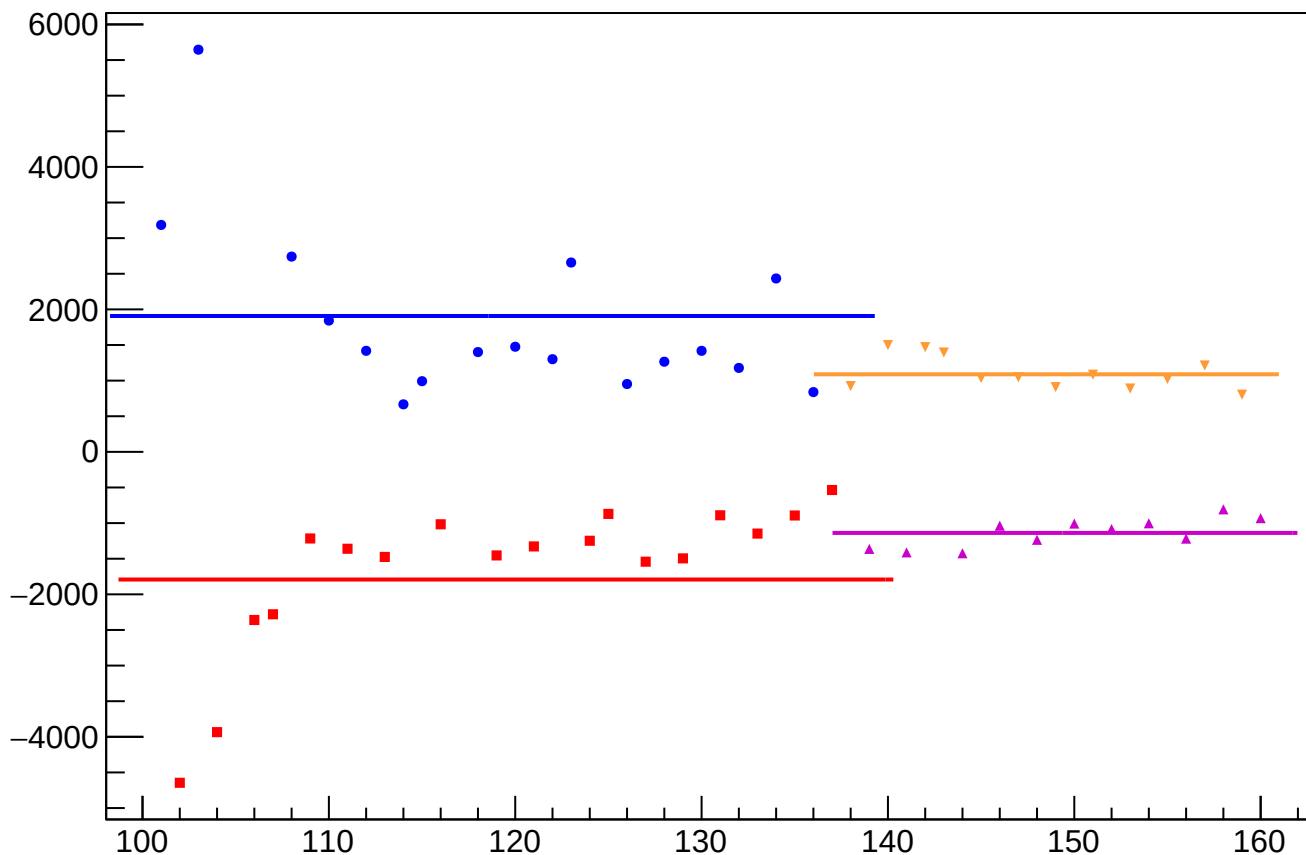
All: -16.040+/-0.000 χ^2/NDF : 414386874879

dit_sam2_coil7_mean vs Slug, Sign Corrected



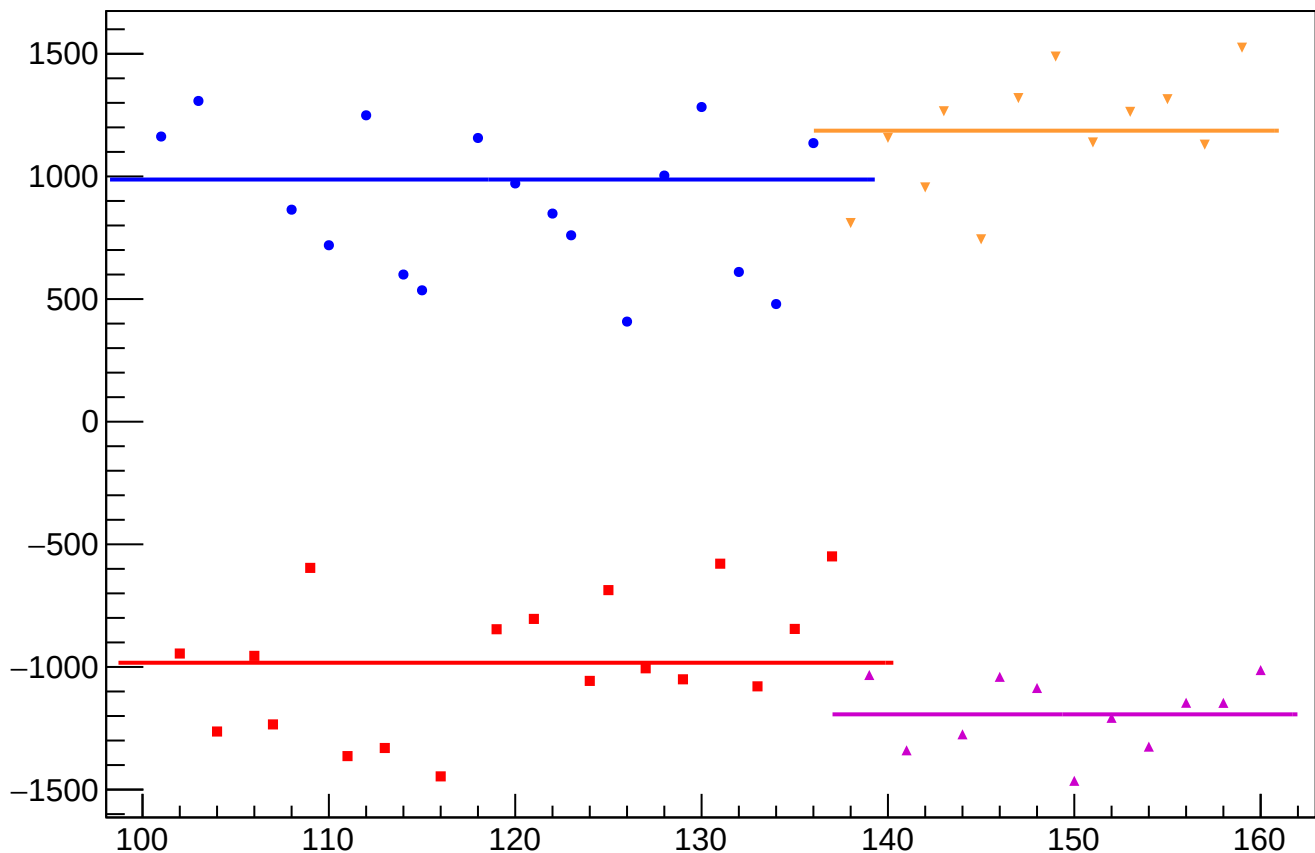
Left: 264.500+/-0.000 χ^2/NDF : 3320507875452057
 Right In: -32846.038+/-0.000 χ^2/NDF : 219637368732777746312600570455176987541504.0/16
 Right: 2099.121+/-0.000 χ^2/NDF : 21185895144652
 Left Out: -3785.473+/-0.000 χ^2/NDF : 2024140029118734707580792113032155103232.0/11
 In: -11596.157+/-0.000 χ^2/NDF : 76786767072050
 Right Out: 36017.918+/-0.000 χ^2/NDF : 228867649175680979480074989628486510968832.0/17
 Out: 13738.803+/-0.000 χ^2/NDF : 86494254988186
 Left In: 4210.293+/-0.000 χ^2/NDF : 1745128048653719102038328653644061212672.0/10
 All: 1059.634+/-0.000 χ^2/NDF : 21544816464

dit_sam2_coil7_err_mean vs Slug, Sign Corrected



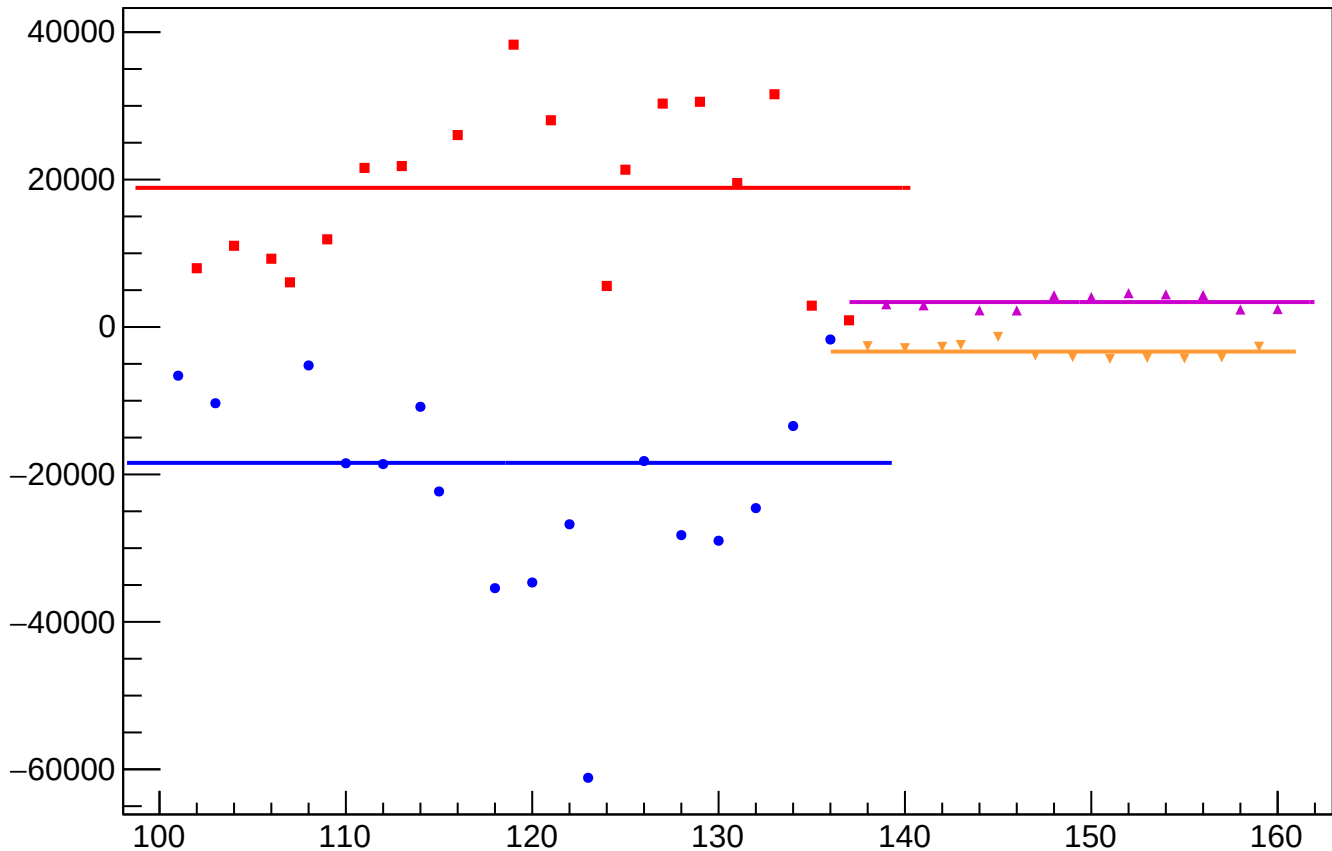
Right In: 1907.271+/-0.000 χ^2/NDF : 1224904405299911350916968067746563620864.0/16
 Left Out: 1088.725+/-0.000 χ^2/NDF : 43426775502308875672481877774003339264.0/11
 Right Out: -1791.825+/-0.000 χ^2/NDF : 941640864566938486349149292441762791424.0/17
 Left In: -1137.882+/-0.000 χ^2/NDF : 35720611822327029625984911153333010432.0/10
 All: -9.075+/-0.000 χ^2/NDF : 9351066606188

dit_sam2_coil7_Ndata_mean vs Slug, Sign Corrected



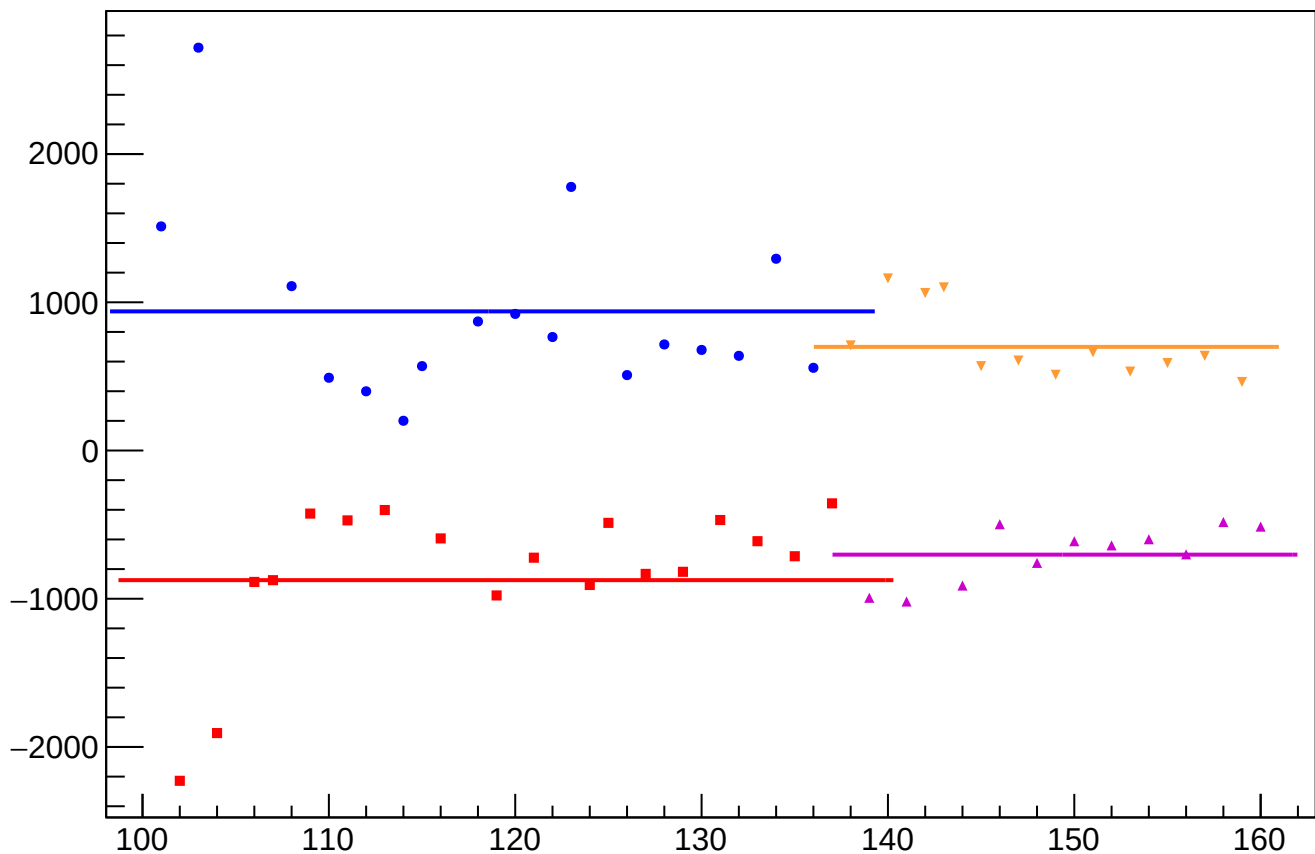
Right In: 987.388 ± 0.000 $\chi^2/\text{NDF}: 52571386835815299758771040245189181440.0/16$
 Left Out: 1186.594 ± 0.000 $\chi^2/\text{NDF}: 49763362019555548841298308984106647552.0/11$
 Right Out: -982.831 ± 0.000 $\chi^2/\text{NDF}: 48106250951114292454819733992816771072.0/17$
 Left In: -1193.230 ± 0.000 $\chi^2/\text{NDF}: 18719715189237327364686937904868491264.0/10$
 All: -16.040 ± 0.000 $\chi^2/\text{NDF}: 414386874879$

dit_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

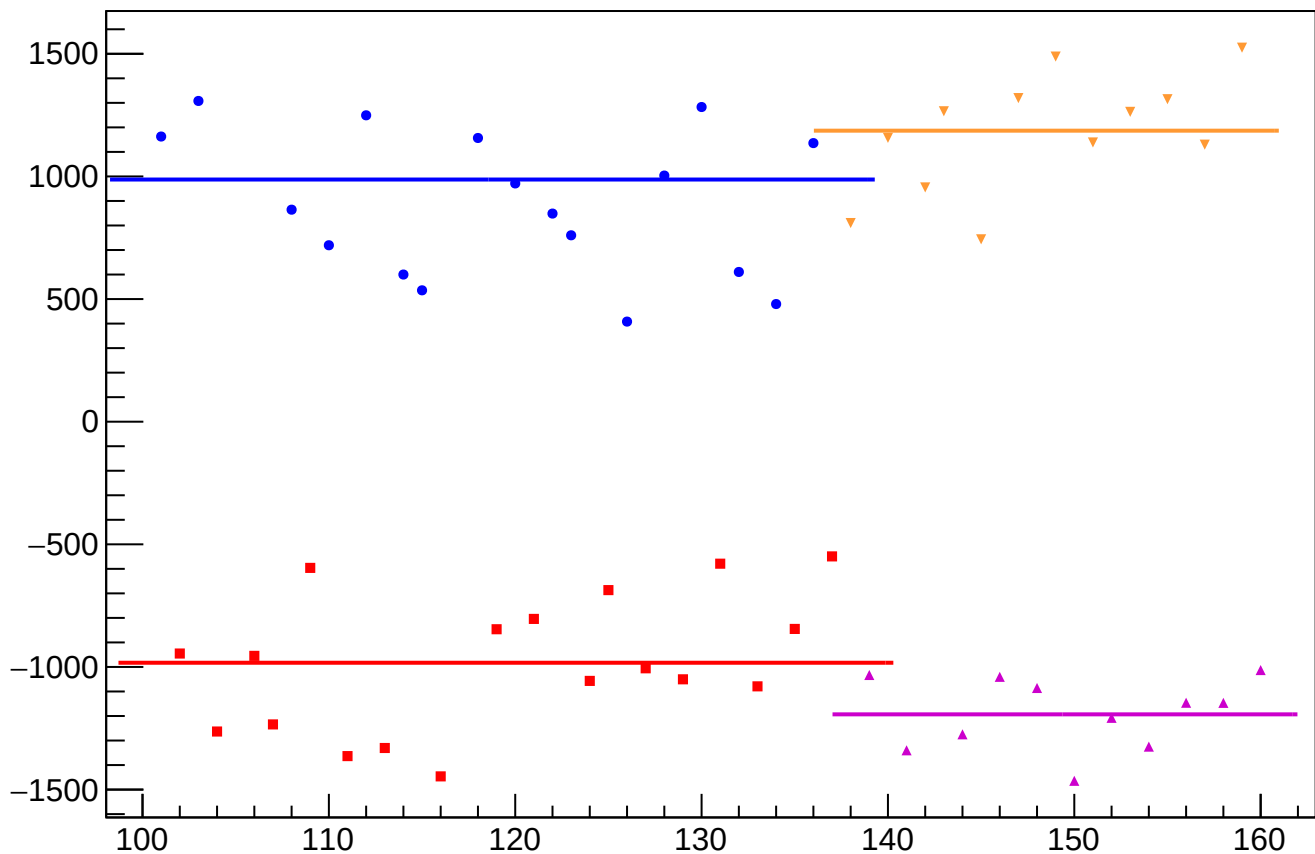
Out: 6.260+/-0.000 χ^2/NDF : 125150572862786669

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

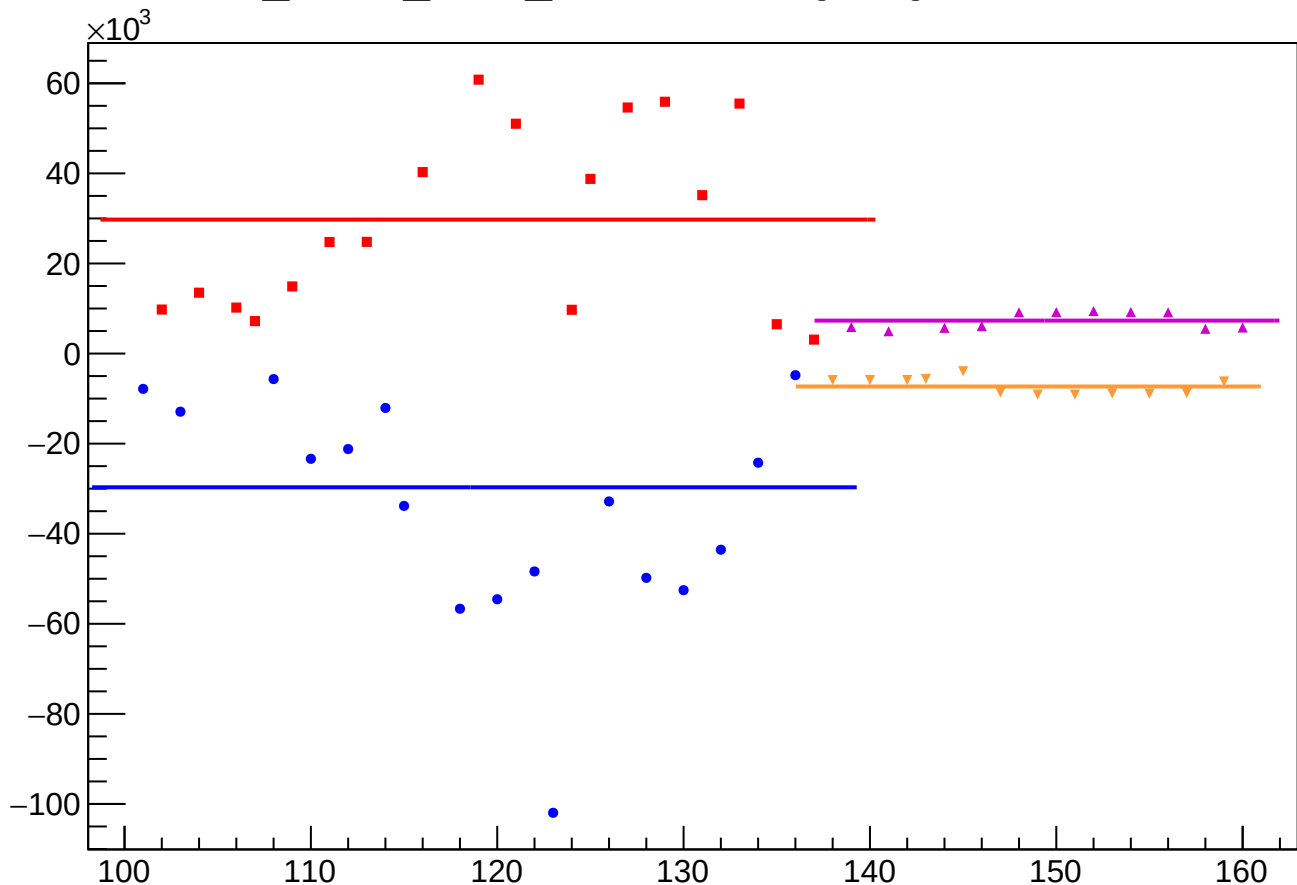
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230+/-0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

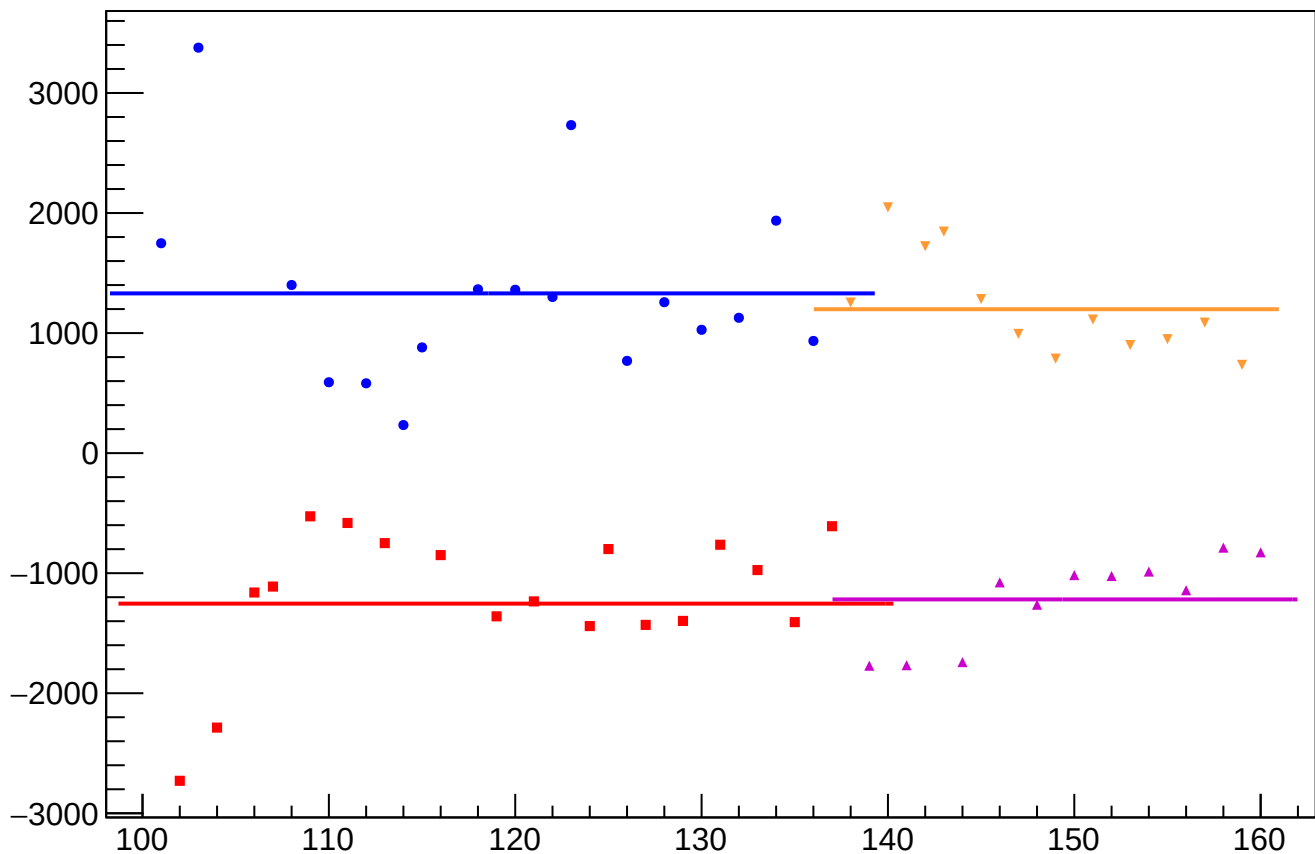
All: -16.040+/-0.000 χ^2/NDF : 414386874879

dit_sam4_coil7_mean vs Slug, Sign Corrected



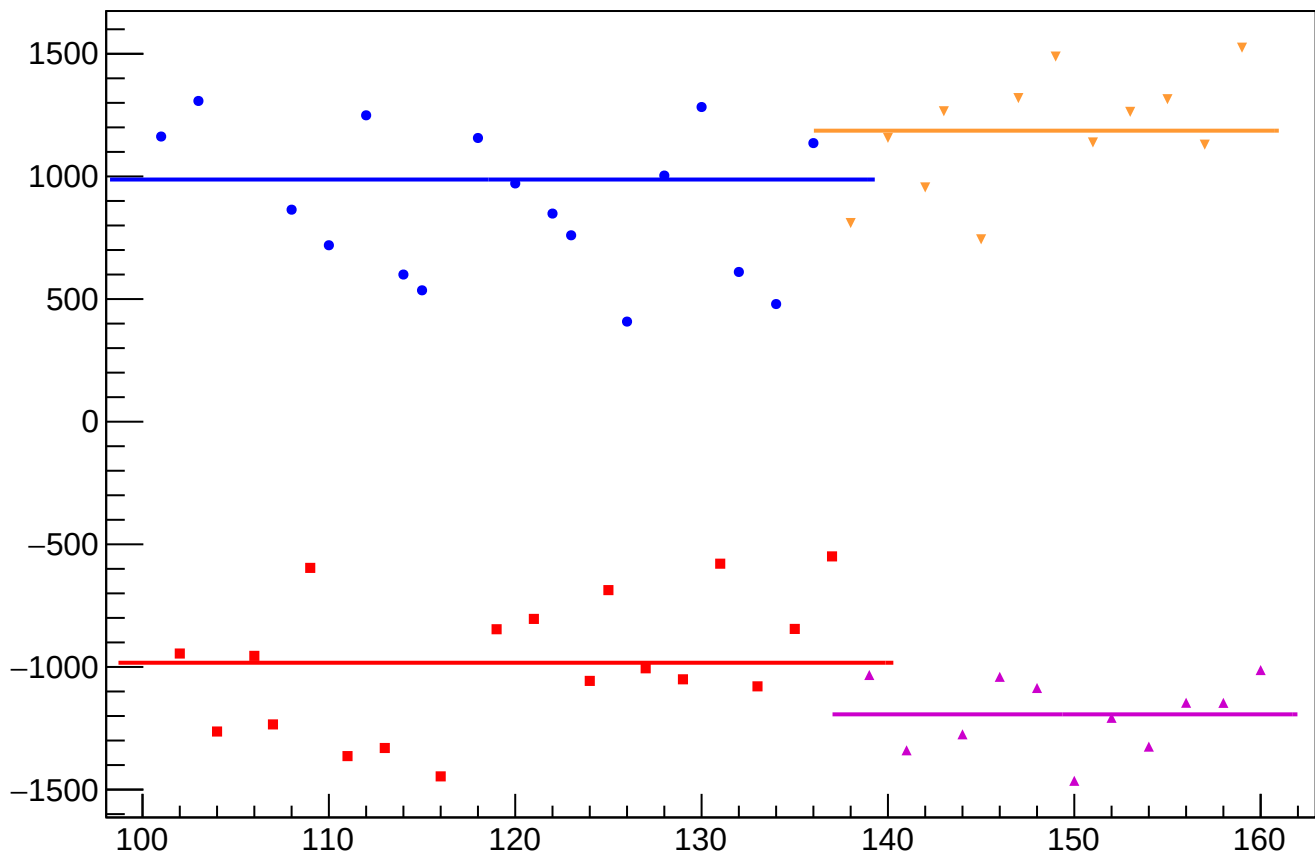
Left: 92.659 ± 0.000 $\chi^2/\text{NDF}: 10444842958829029$
 Right In: -29694.846 ± 0.000 $\chi^2/\text{NDF}: 282999478252028644685471433230520510578688.0/16$
 Right: 467.716 ± 0.000 $\chi^2/\text{NDF}: 181089789808864$
 Left Out: -7317.919 ± 0.000 $\chi^2/\text{NDF}: 2833730252125360195766219580881057611776.0/11$
 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



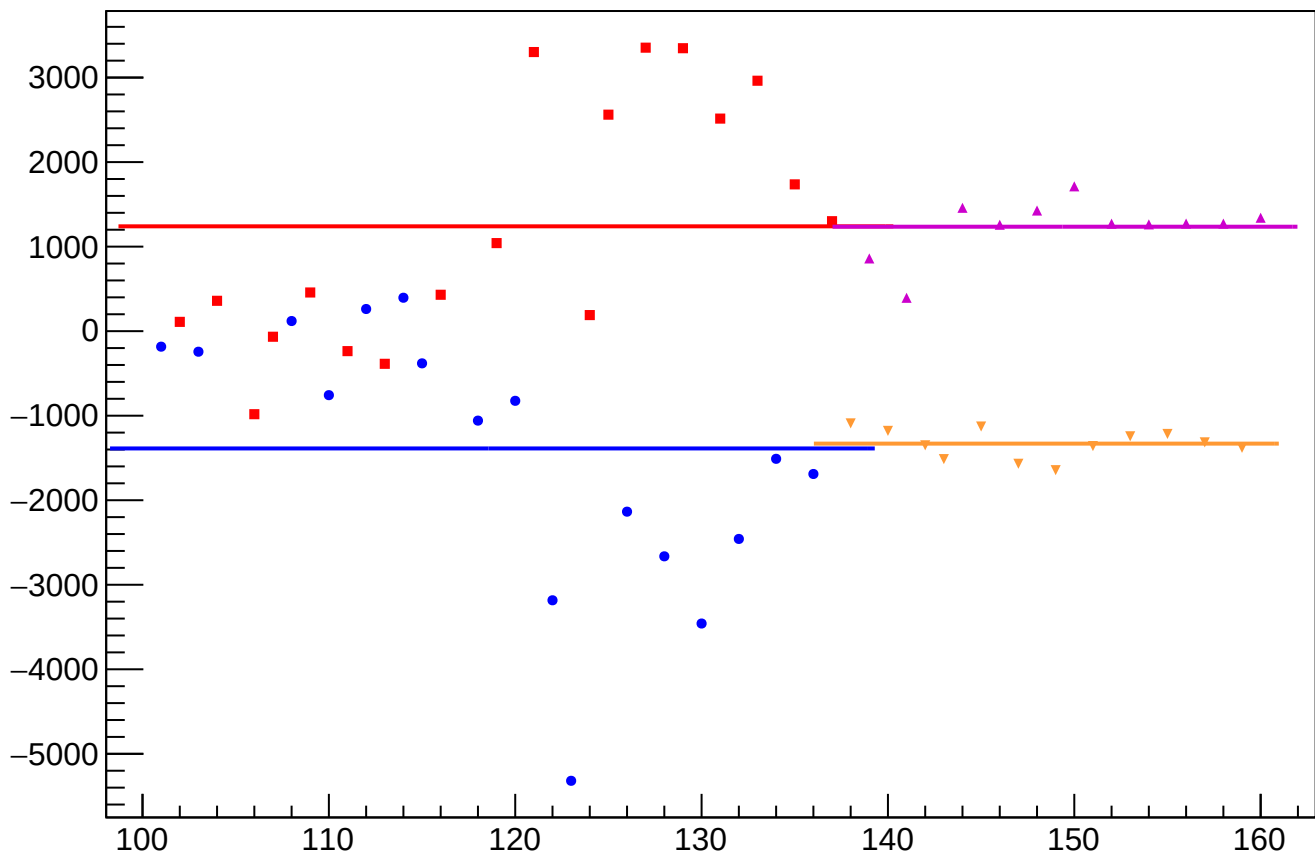
Right In: 1330.668+/-0.000 χ^2/NDF : 371034150705348959312326123153556242432.0/16
 Left Out: 1198.833+/-0.000 χ^2/NDF : 149280196072306589418447697644691128320.0/11
 Right Out: -1253.657+/-0.000 χ^2/NDF : 276351047411985398179849131600767877120.0/17
 Left In: -1218.551+/-0.000 χ^2/NDF : 116488756058911306830868466308868997120.0/10
 All: -6.167+/-0.000 χ^2/NDF : 5957409460373

dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected



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_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

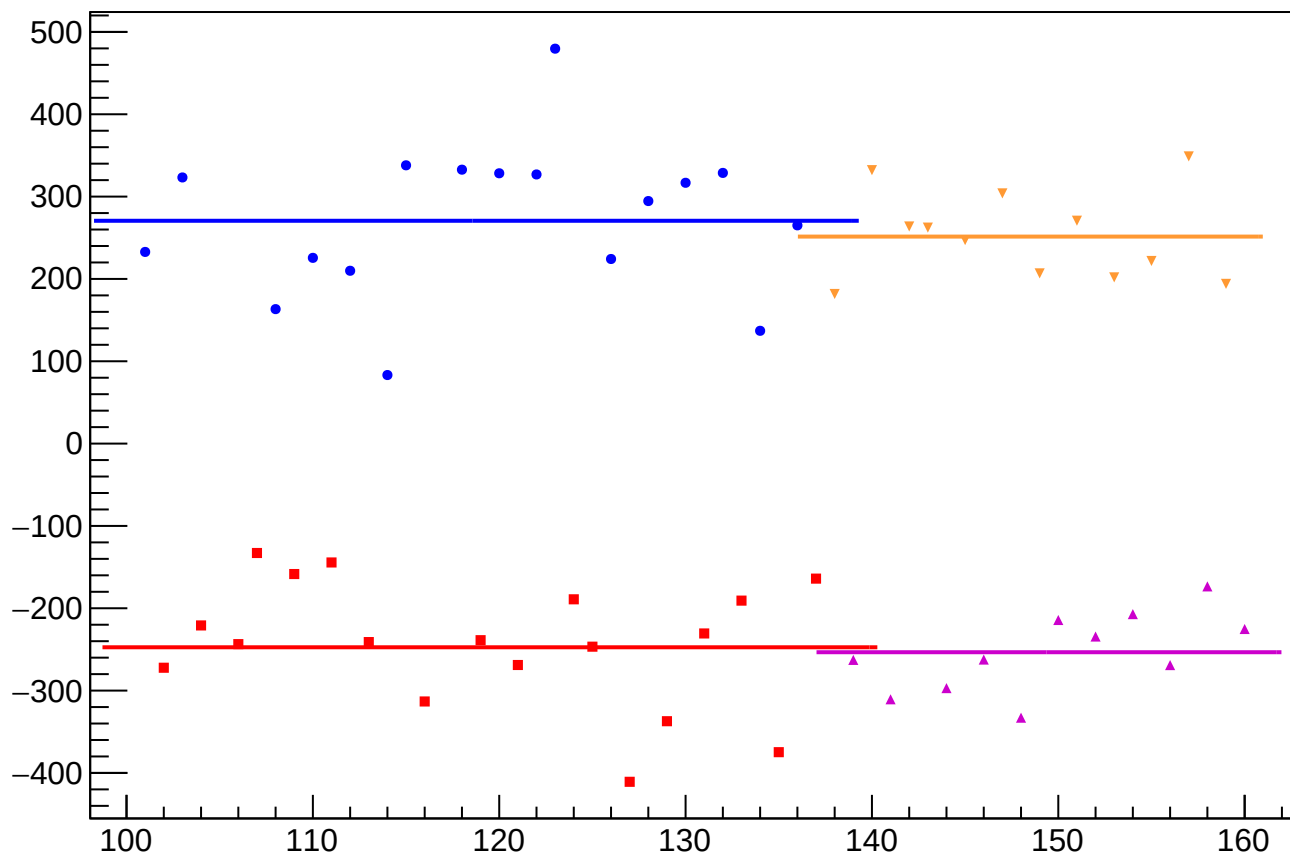
Right: -54.053+/-0.000 χ^2/NDF : 490056143046603

In: 116.746+/-0.000 χ^2/NDF : 38920726643597010

Out: -198.660+/-0.000 χ^2/NDF : 408740909485264

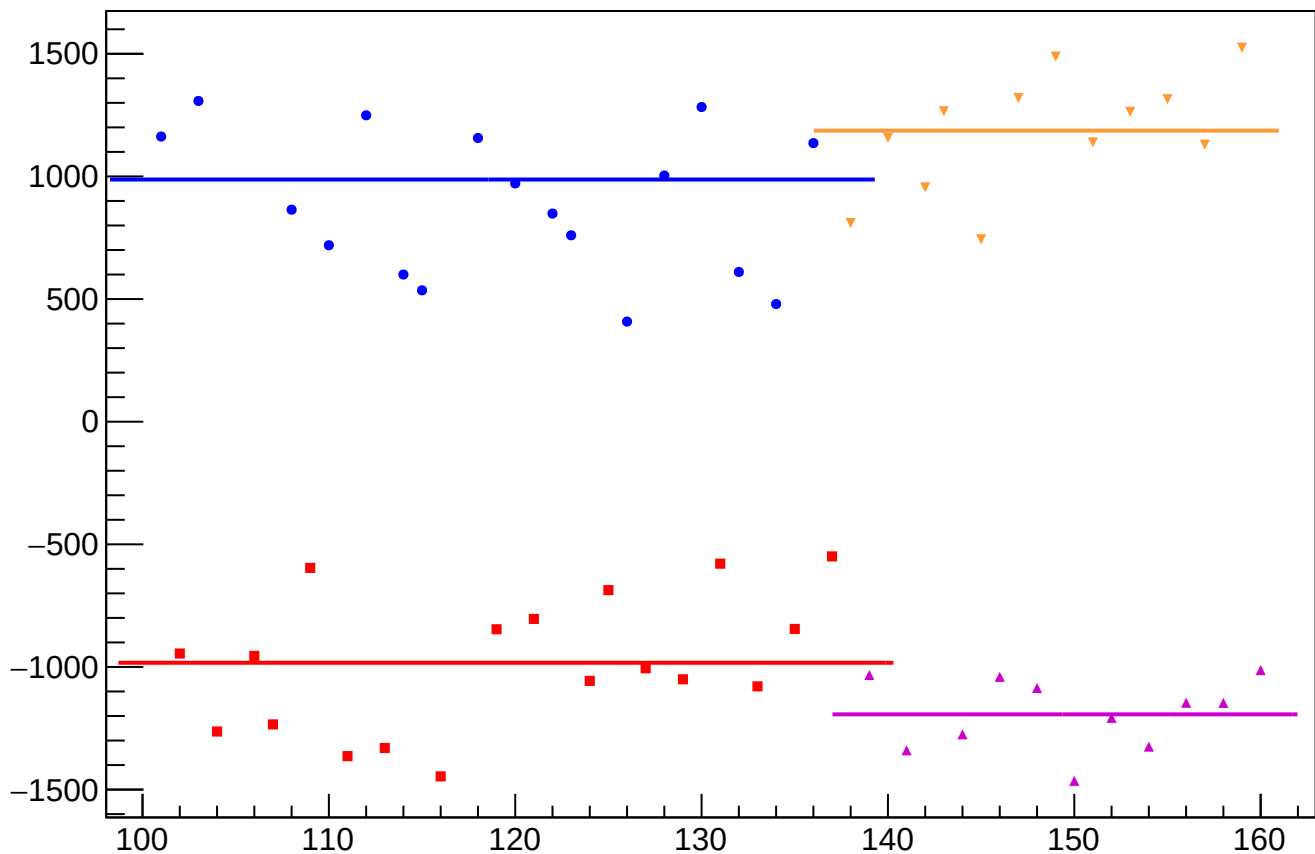
All: -40.811+/-0.000 χ^2/NDF : 806033500101

dit_sam5_coil7_err_mean vs Slug, Sign Corrected



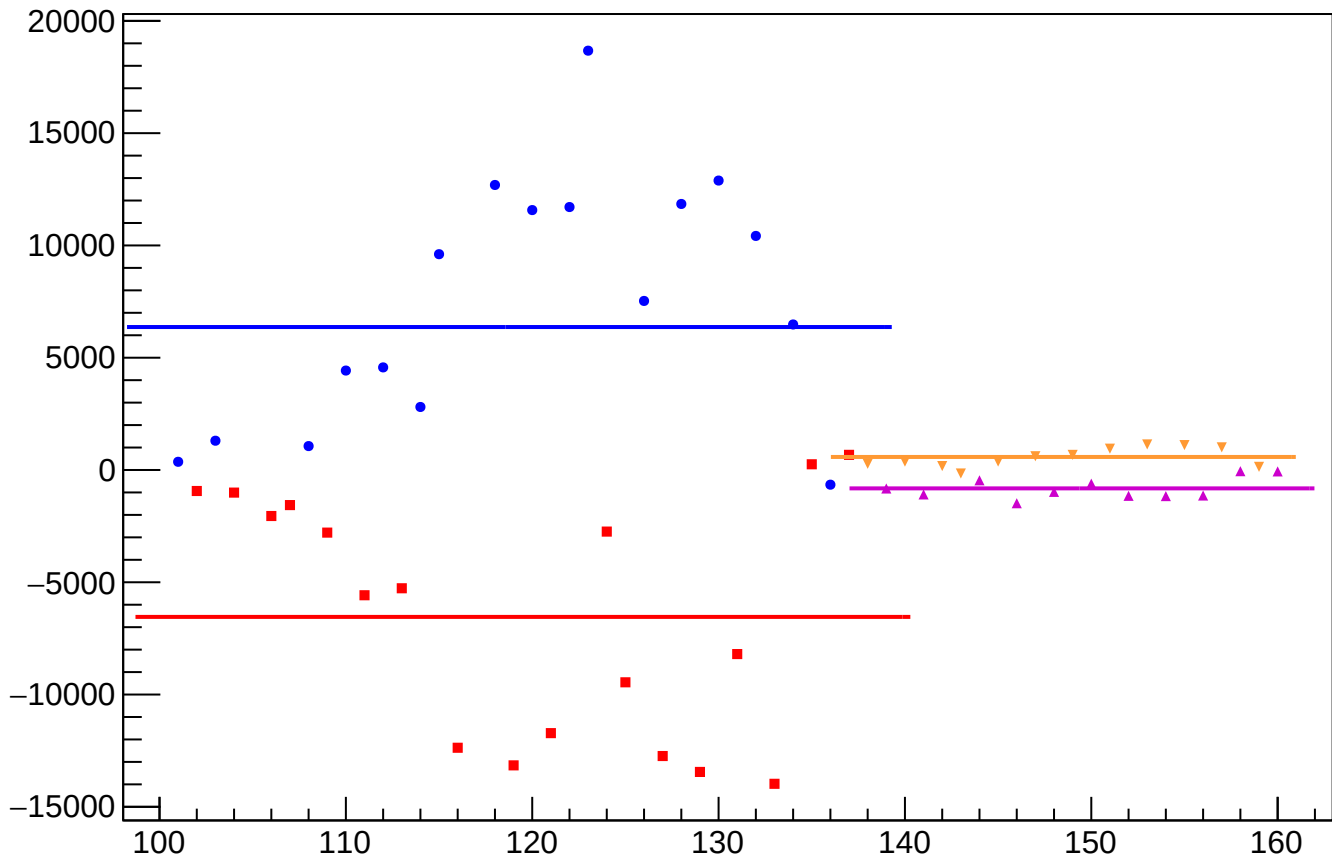
Right In: 270.634 $\pm$ 0.000 χ^2 /NDF: 2782961301444799640631413817001115648.0/16
 Left Out: 251.431 $\pm$ 0.000 χ^2 /NDF: 2584936508665838554891763249678647296.0/11
 Right Out: -247.395 $\pm$ 0.000 χ^2 /NDF: 4145415912975495896207578940101885952.0/17
 Left In: -253.400 $\pm$ 0.000 χ^2 /NDF: 1956558228349454722124070225585373184.0/10
 All: 0.941 $\pm$ 0.000 χ^2 /NDF: 22343270830260

dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected



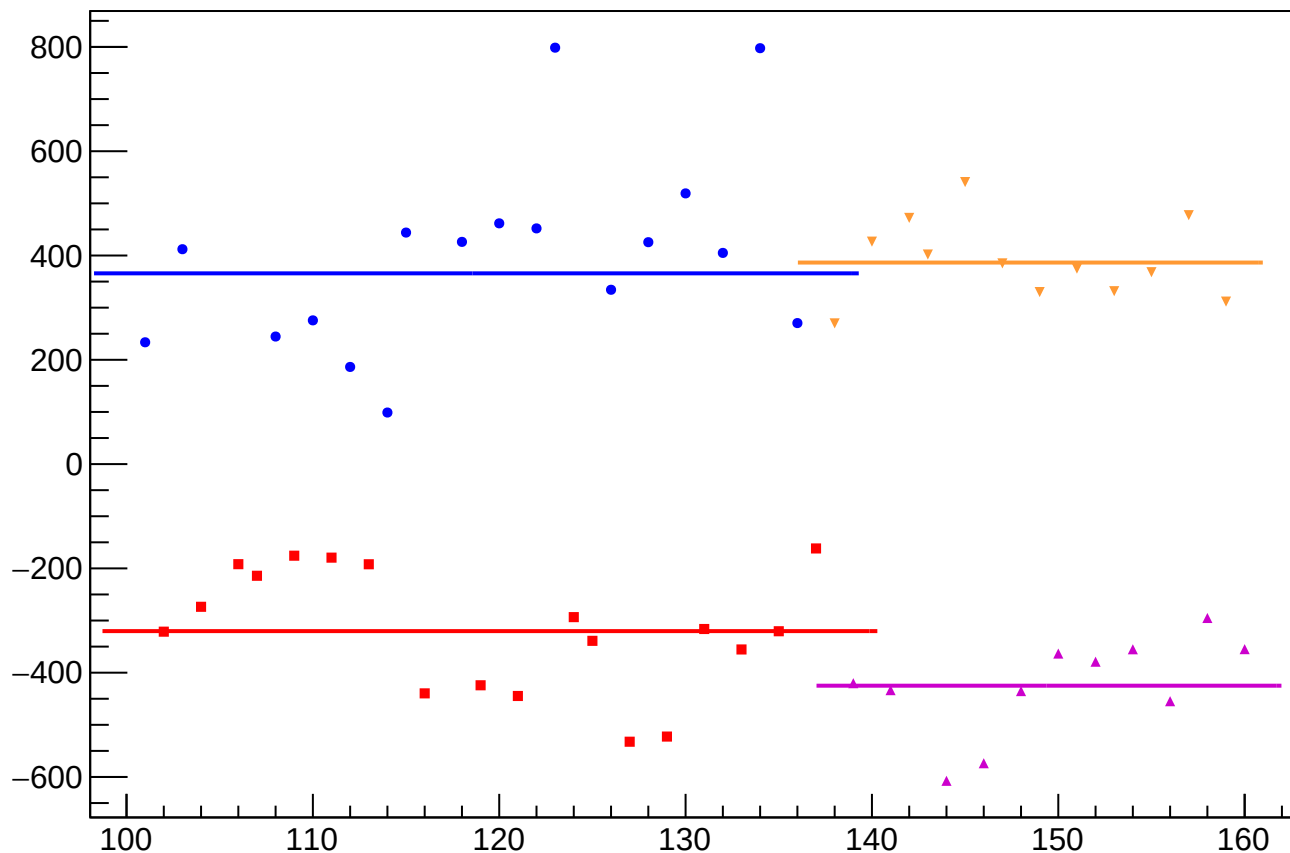
Right In: 987.388 $\pm$ 0.000 χ^2 /NDF: 52571386835815299758771040245189181440.0/16
 Left Out: 1186.594 $\pm$ 0.000 χ^2 /NDF: 49763362019555548841298308984106647552.0/11
 Right Out: -982.831 $\pm$ 0.000 χ^2 /NDF: 48106250951114292454819733992816771072.0/17
 Left In: -1193.230 $\pm$ 0.000 χ^2 /NDF: 18719715189237327364686937904868491264.0/10
 All: -16.040 $\pm$ 0.000 χ^2 /NDF: 414386874879

dit_sam6_coil7_mean vs Slug, Sign Corrected



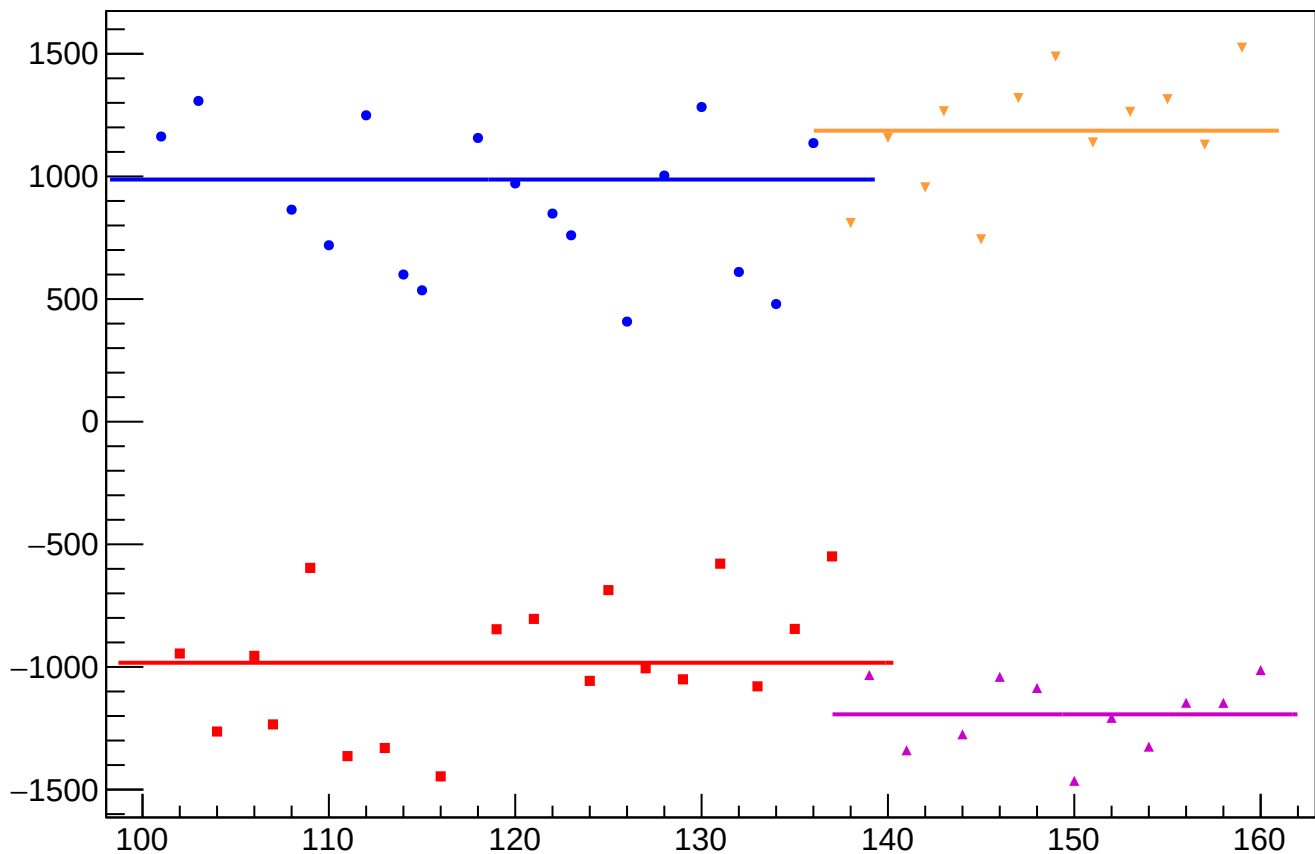
Left: -128.443+/-0.000 χ^2/NDF : 123207860803939
 Right In: 6366.506+/-0.000 χ^2/NDF : 19013791293174950781662205946475975802880.0/16
 Left Out: 580.460+/-0.000 χ^2/NDF : 147049020633782369498744411617383940096.0/11
 Right Out: -6542.482+/-0.000 χ^2/NDF : 19769956838076333850932350219813545574400.0/17
 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



Left: -24.505 ± 0.000 $\chi^2/\text{NDF}: 315822154496685$
 Right In: 365.806 ± 0.000 $\chi^2/\text{NDF}: 12360453443474503357525500563004850176.0/16$
 Right: 17.648 ± 0.000 $\chi^2/\text{NDF}: 1875984728574231$
 Left Out: 386.511 ± 0.000 $\chi^2/\text{NDF}: 5027608774007269972306139885841940480.0/11$
 In: -87.651 ± 0.000 $\chi^2/\text{NDF}: 26883198821393574$
 Right Out: -320.284 ± 0.000 $\chi^2/\text{NDF}: 9463966273350706118112483440542613504.0/17$
 Out: 75.330 ± 0.000 $\chi^2/\text{NDF}: 21441833289177396$
 Left In: -424.949 ± 0.000 $\chi^2/\text{NDF}: 7621452352927450037498346719559024640.0/10$
 All: -6.236 ± 0.000 $\chi^2/\text{NDF}: 5048392112381$

dit_sam6_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

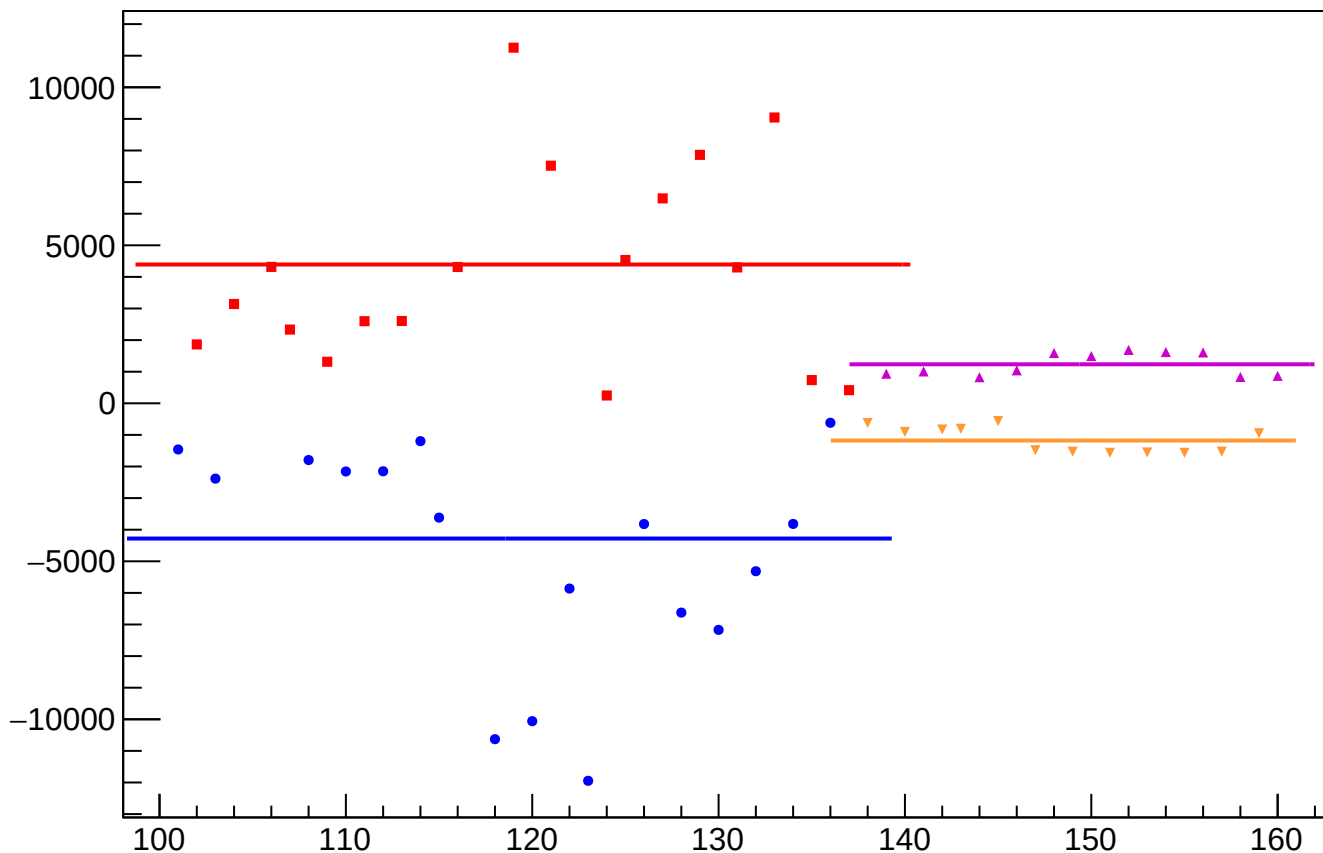
Out: 231.459+/-0.000 χ^2/NDF : 1981402088557405

Left In: -1193.230+/-0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

All: -16.040+/-0.000 χ^2/NDF : 414386874879

dit_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

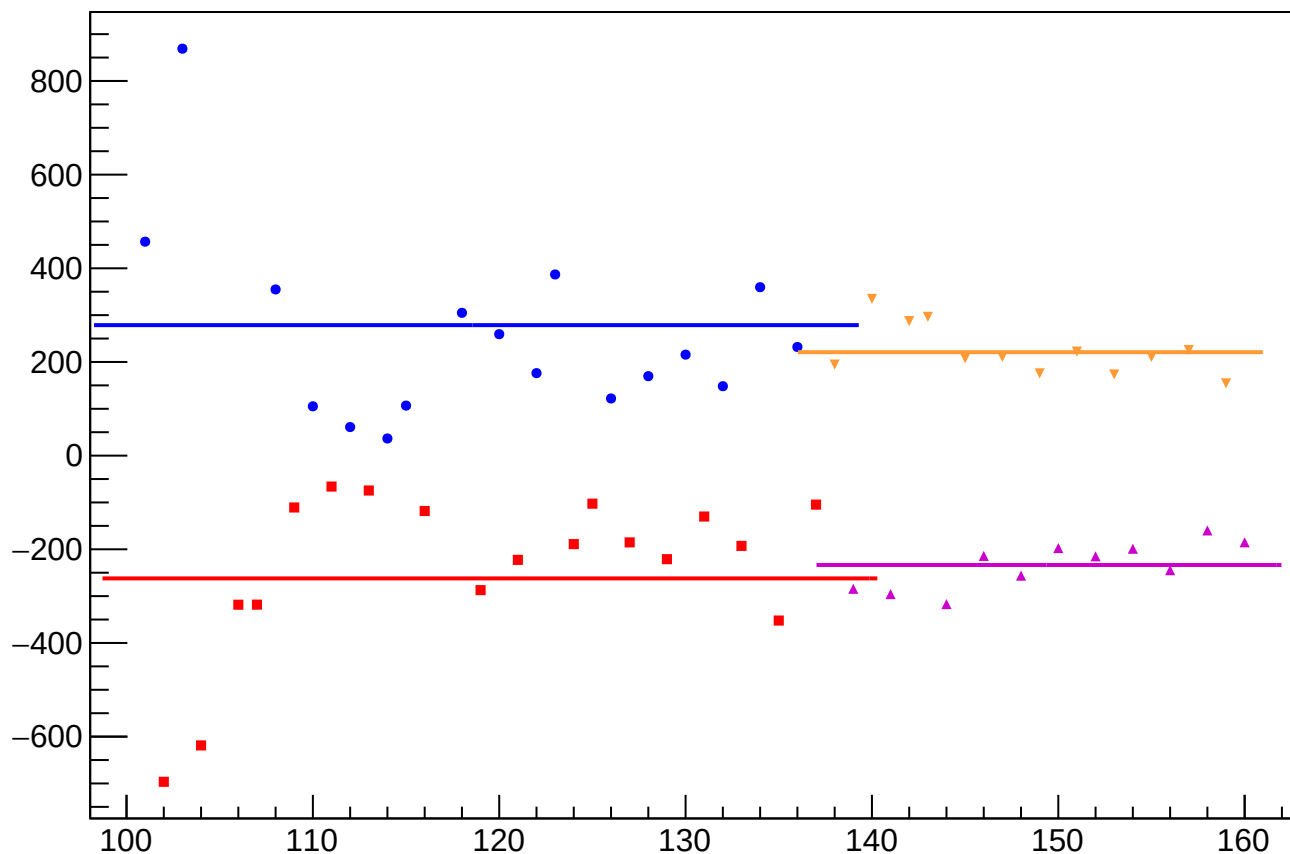
χ^2/NDF : 141473895084928360538242951996197830656.0/11

χ^2/NDF : 7013803733920665719163942153165454966784.0/17

χ^2/NDF : 113222953765781340341469389402247528448.0/10

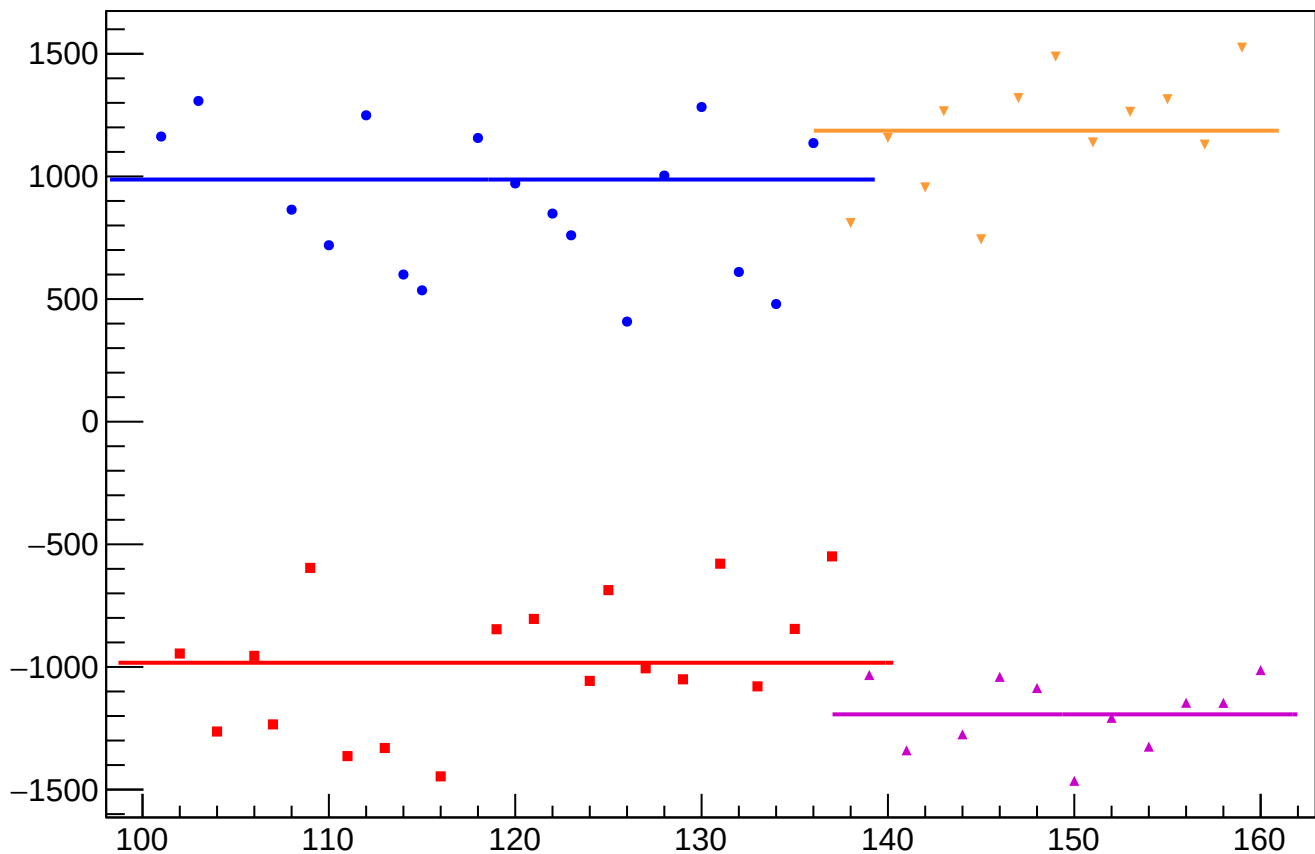
All: 77.040 +/- 0.000 χ^2/NDF : 4343358856524

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

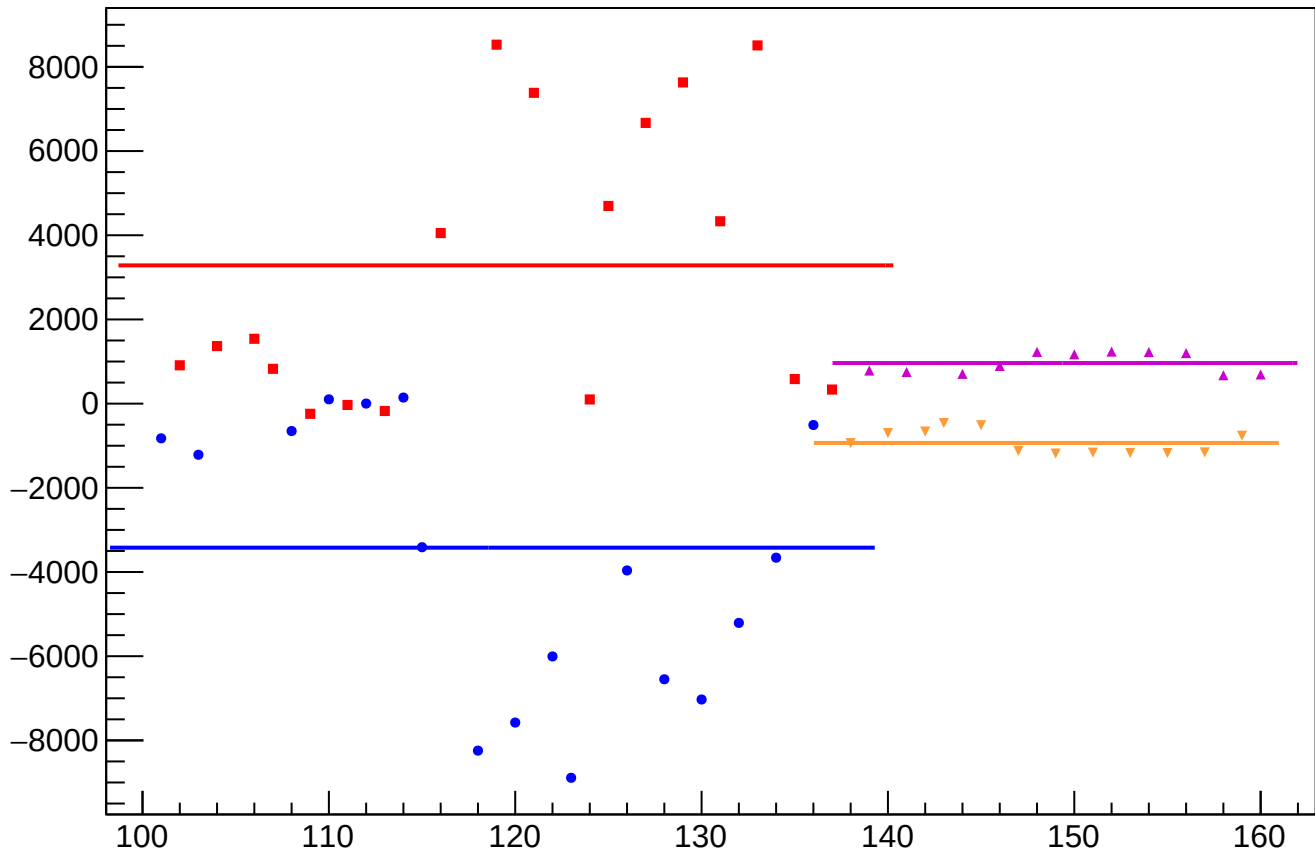
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230+/-0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

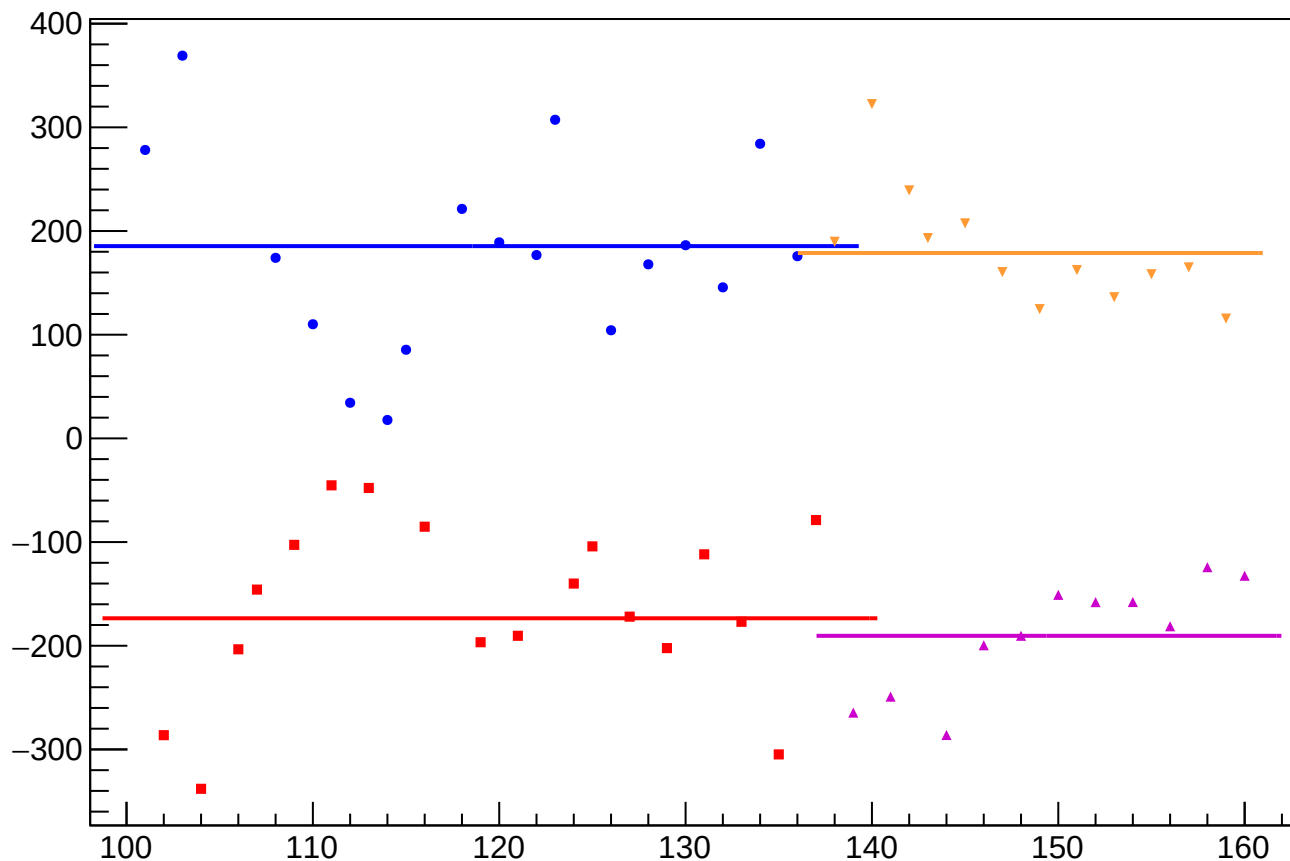
All: -16.040+/-0.000 χ^2/NDF : 414386874879

dit_sam8_coil7_mean vs Slug, Sign Corrected



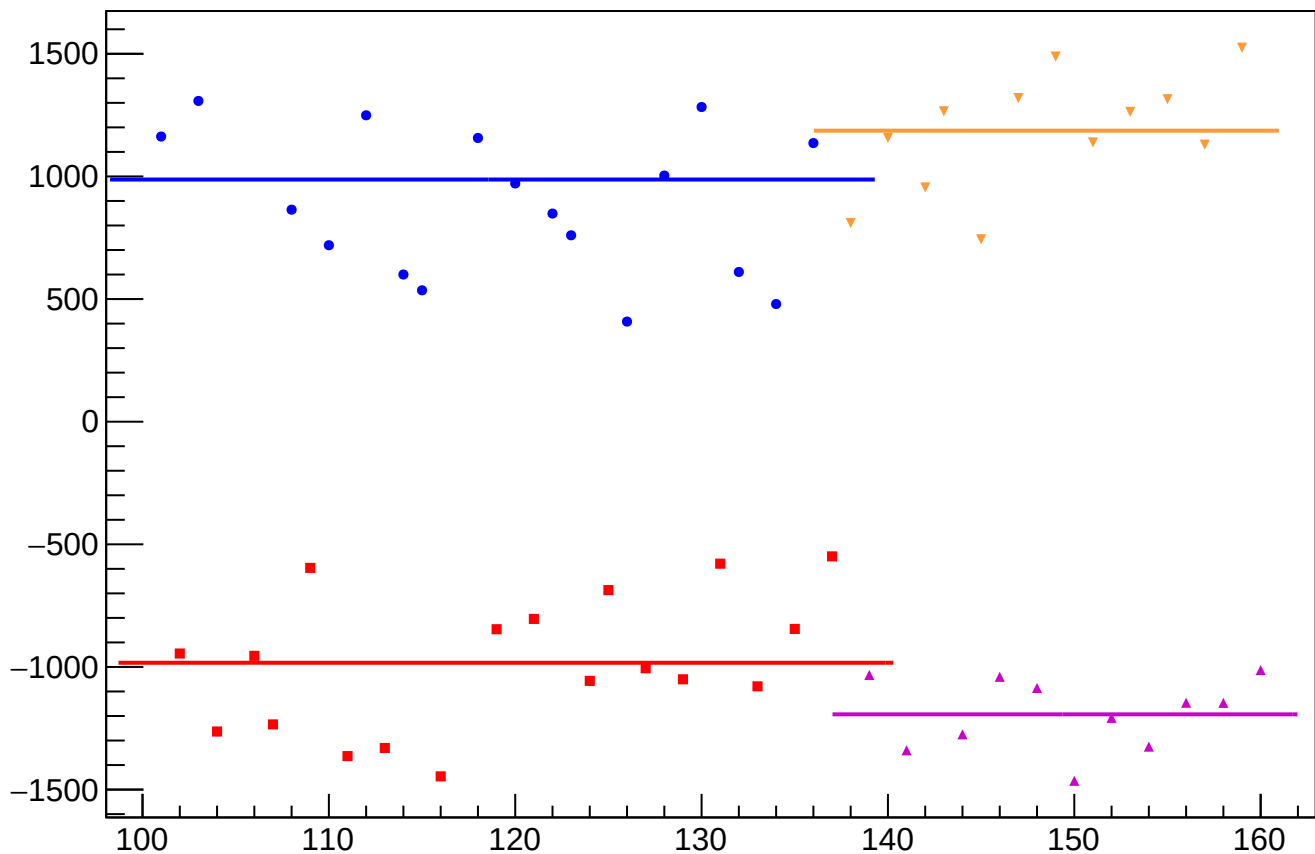
Left: 27.648+/-0.000 χ^2/NDF : 17760271131271719
 Right In: -3421.719+/-0.000 χ^2/NDF : 6462112736004972779572658363986020925440.0/16
 Left Out: -933.972+/-0.000 χ^2/NDF : 64192639419401528934807333255243628544.0/11
 Right: -18.697+/-0.000 χ^2/NDF : 301207331793136
 In: -906.432+/-0.000 χ^2/NDF : 1417112247304554
 Right Out: 3284.376+/-0.000 χ^2/NDF : 7820854185595313728450757047863572692992.0/17
 Out: 923.244+/-0.000 χ^2/NDF : 1500650014022729
 Left In: 964.532+/-0.000 χ^2/NDF : 52328346838047917935593162774962765824.0/10
 All: 7.562+/-0.000 χ^2/NDF : 31898475032999

dit_sam8_coil7_err_mean vs Slug, Sign Corrected



Right In: 185.440 $\pm$ 0.000 χ^2 /NDF: 4992999881975997017558054599194050560.0/16
 Left Out: 178.789 $\pm$ 0.000 χ^2 /NDF: 2761846974558217365203652056992186368.0/11
 Right Out: -173.513 $\pm$ 0.000 χ^2 /NDF: 5476704825855084602521292305195859968.0/17
 Left In: -190.431 $\pm$ 0.000 χ^2 /NDF: 2526907691148920878217594844913598464.0/10
 All: -3.236 $\pm$ 0.000 χ^2 /NDF: 1240070542970

dit_sam8_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

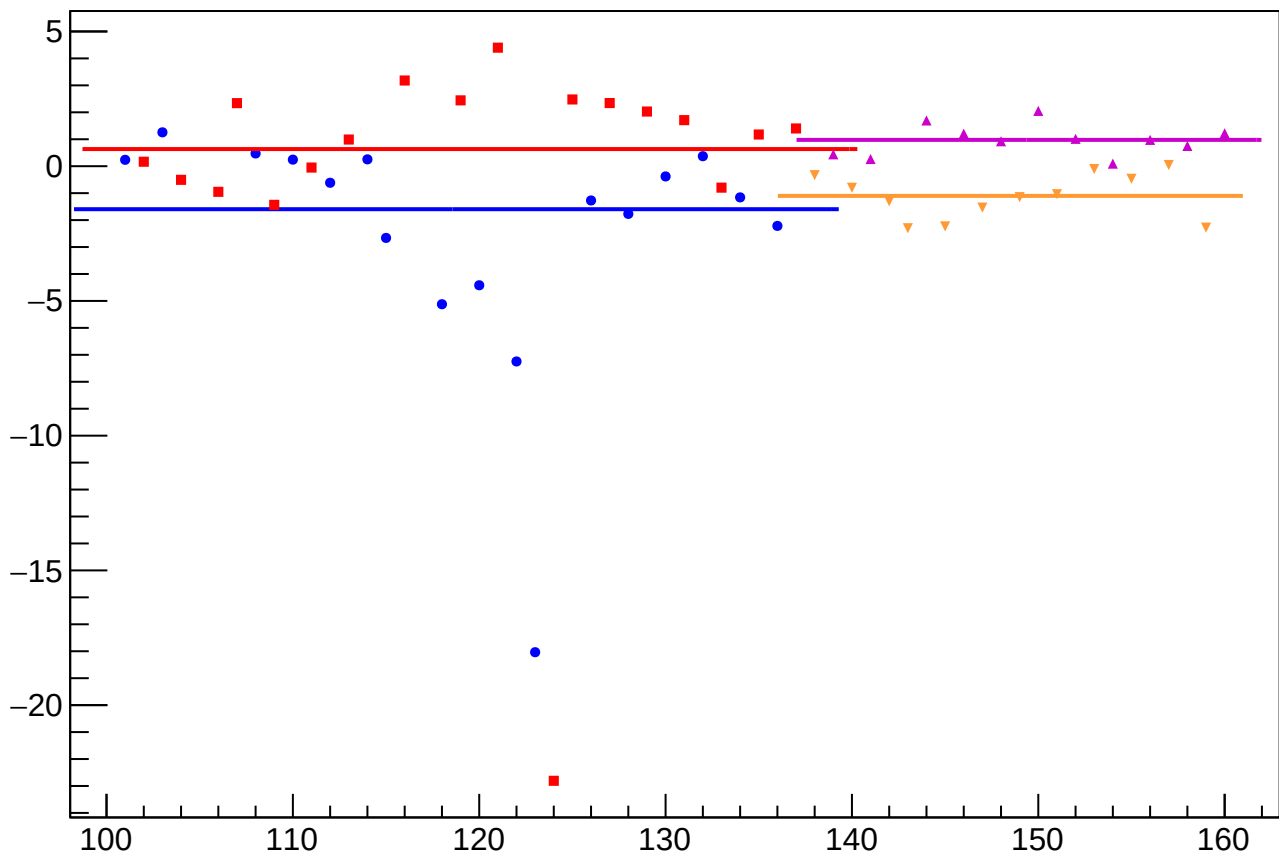
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230 $\pm$ 0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

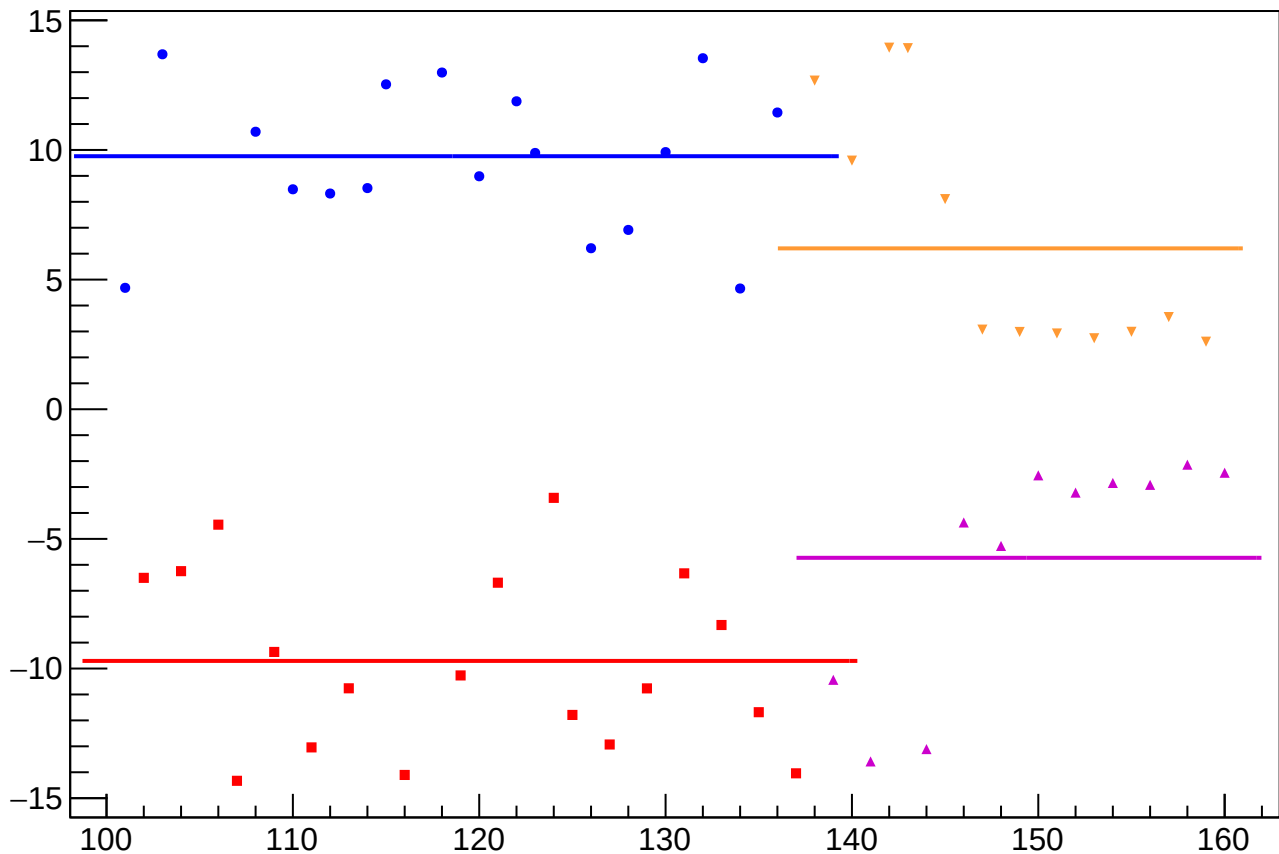
All: -16.040 $\pm$ 0.000 χ^2/NDF : 414386874879

dit_4aX_coil4_mean vs Slug, Sign Corrected



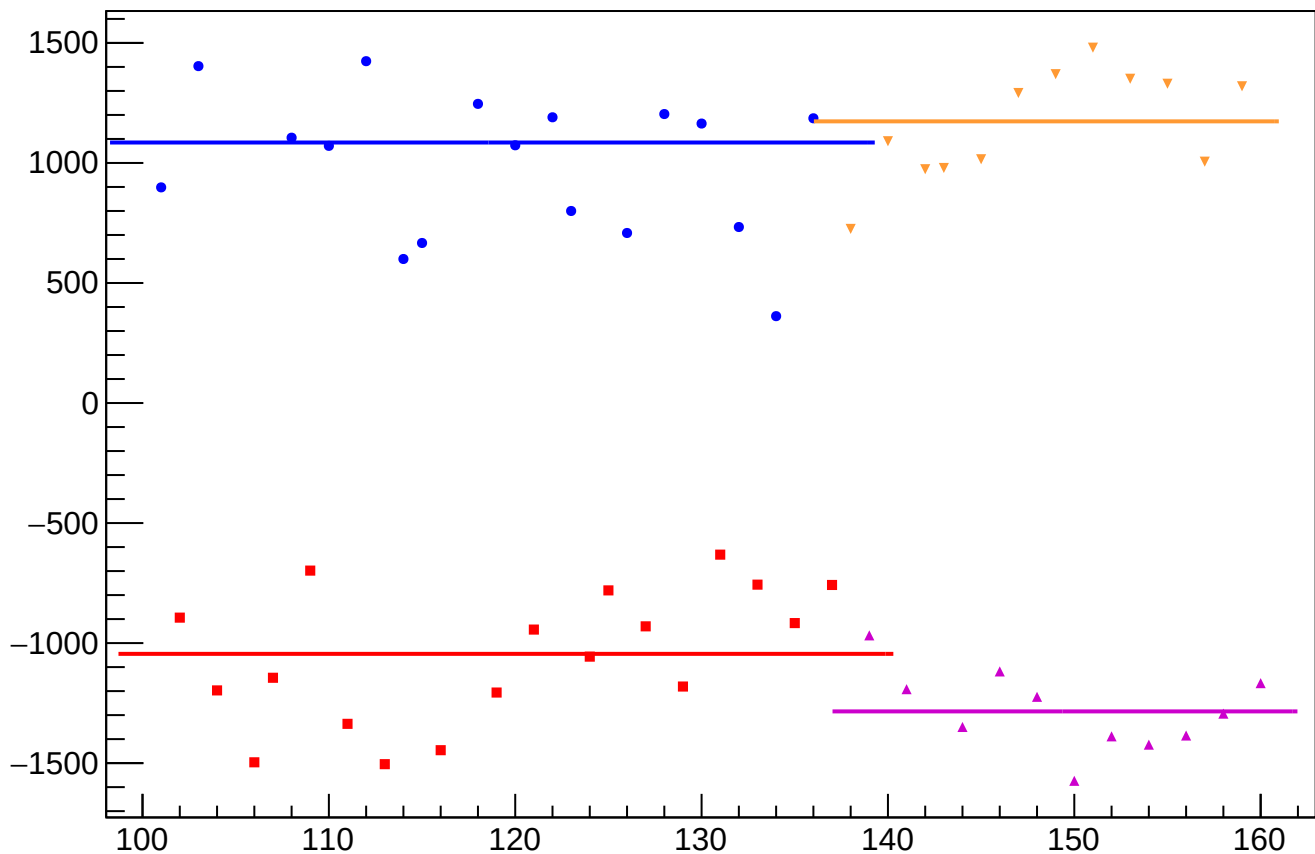
Right In: -1.596 ± 0.000 $\chi^2/\text{NDF}: 4654807928359892398673617982849024.0/16$
 Left Out: -1.102 ± 0.000 $\chi^2/\text{NDF}: 592180467002513566987832570937344.0/11$
 Right Out: 0.636 ± 0.000 $\chi^2/\text{NDF}: 9571048295343482409580772007608320.0/17$
 Left In: 0.977 ± 0.000 $\chi^2/\text{NDF}: 300890397650119639347670720446464.0/10$
 All: -0.229 ± 0.000 $\chi^2/\text{NDF}: 1899961310160$

dit_4aX_coil4_err_mean vs Slug, Sign Corrected



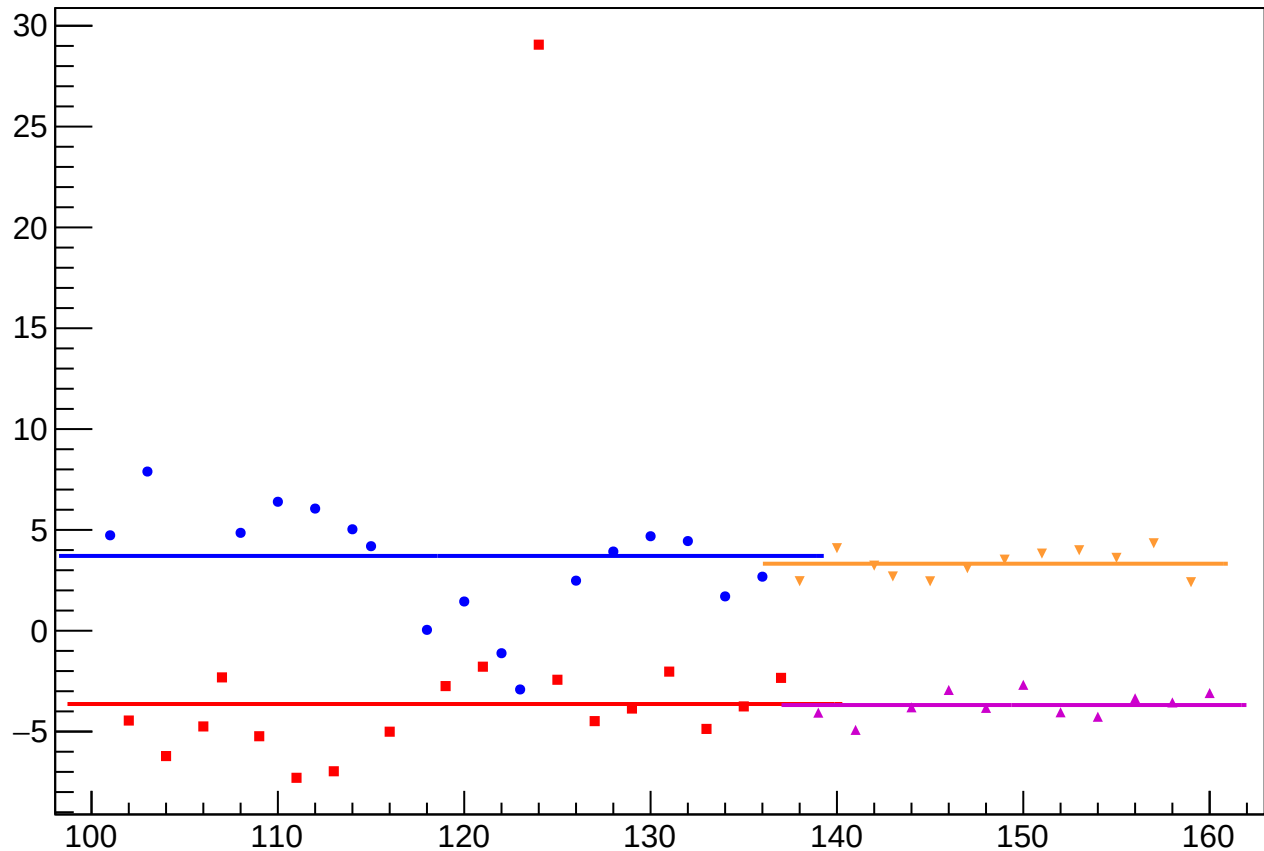
Right In: 9.759 ± 0.000 $\chi^2/\text{NDF}: 5805218601264248923404355625811968.0/16$
 Left Out: 6.204 ± 0.000 $\chi^2/\text{NDF}: 17109991032954173502313359403384832.0/11$
 Right Out: -9.706 ± 0.000 $\chi^2/\text{NDF}: 6508390621050403360774220706480128.0/17$
 Left In: -5.730 ± 0.000 $\chi^2/\text{NDF}: 16834211139985692030618150983696384.0/10$
 All: 0.039 ± 0.000 $\chi^2/\text{NDF}: 24531816908963$

dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected



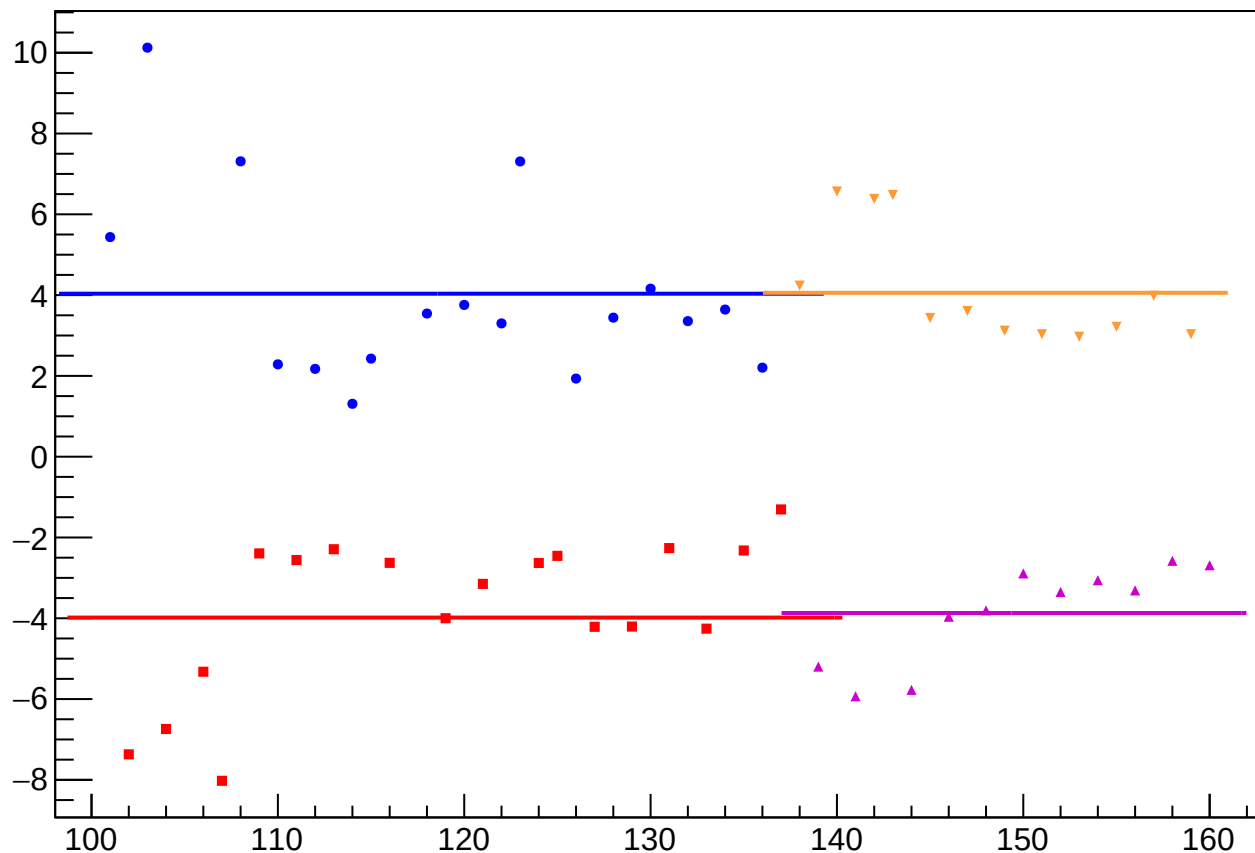
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_4eX_coil4_mean vs Slug, Sign Corrected



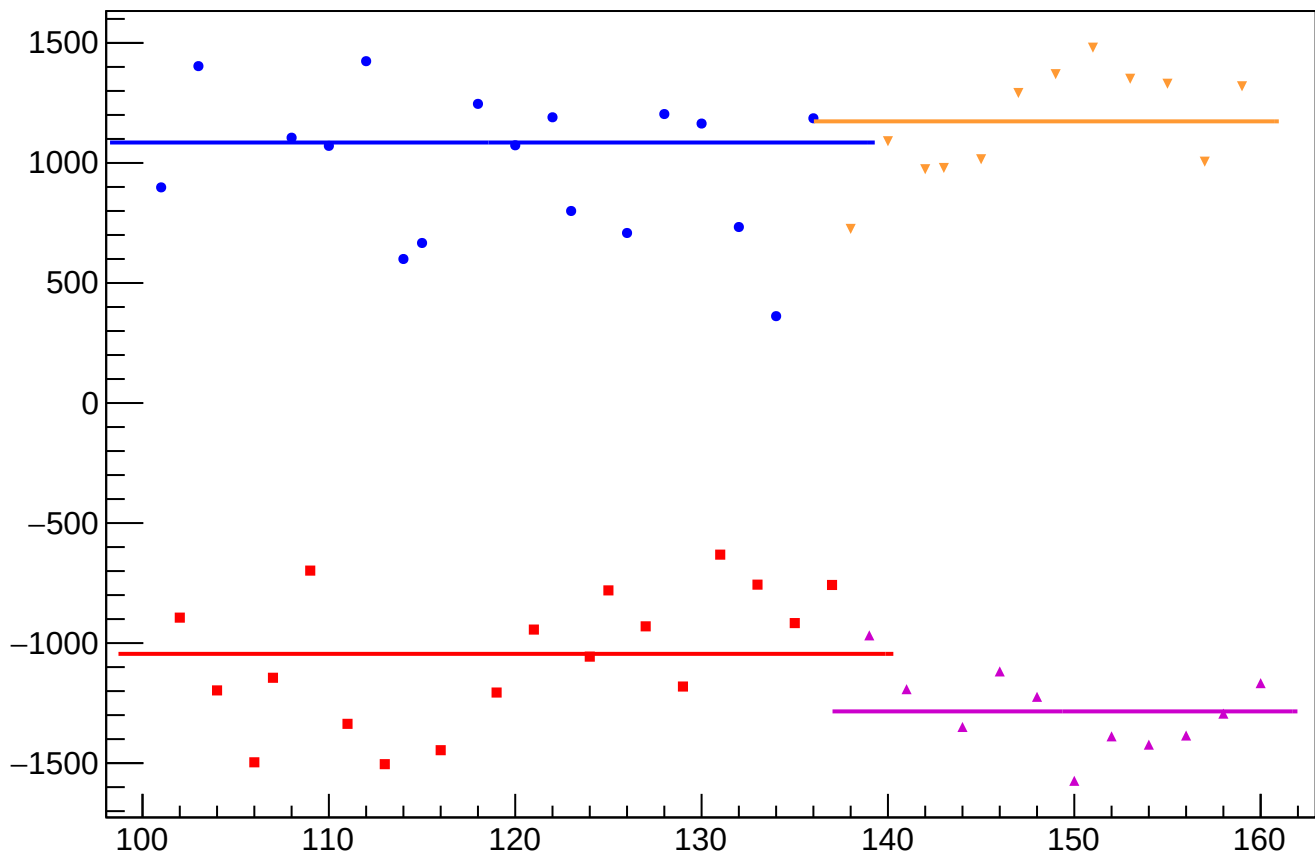
Right In: 3.709 +/- 0.000 χ^2/NDF : 4018102777172229540031969661812736.0/16
 Left Out: 3.324 +/- 0.000 χ^2/NDF : 408662092507009780807820497649664.0/11
 Right Out: -3.634 +/- 0.000 χ^2/NDF : 17179706396424887783373227094441984.0/17
 Left In: -3.684 +/- 0.000 χ^2/NDF : 362171161596980472614323696435200.0/10
 All: -0.135 +/- 0.000 χ^2/NDF : 6360532498866

dit_4eX_coil4_err_mean vs Slug, Sign Corrected



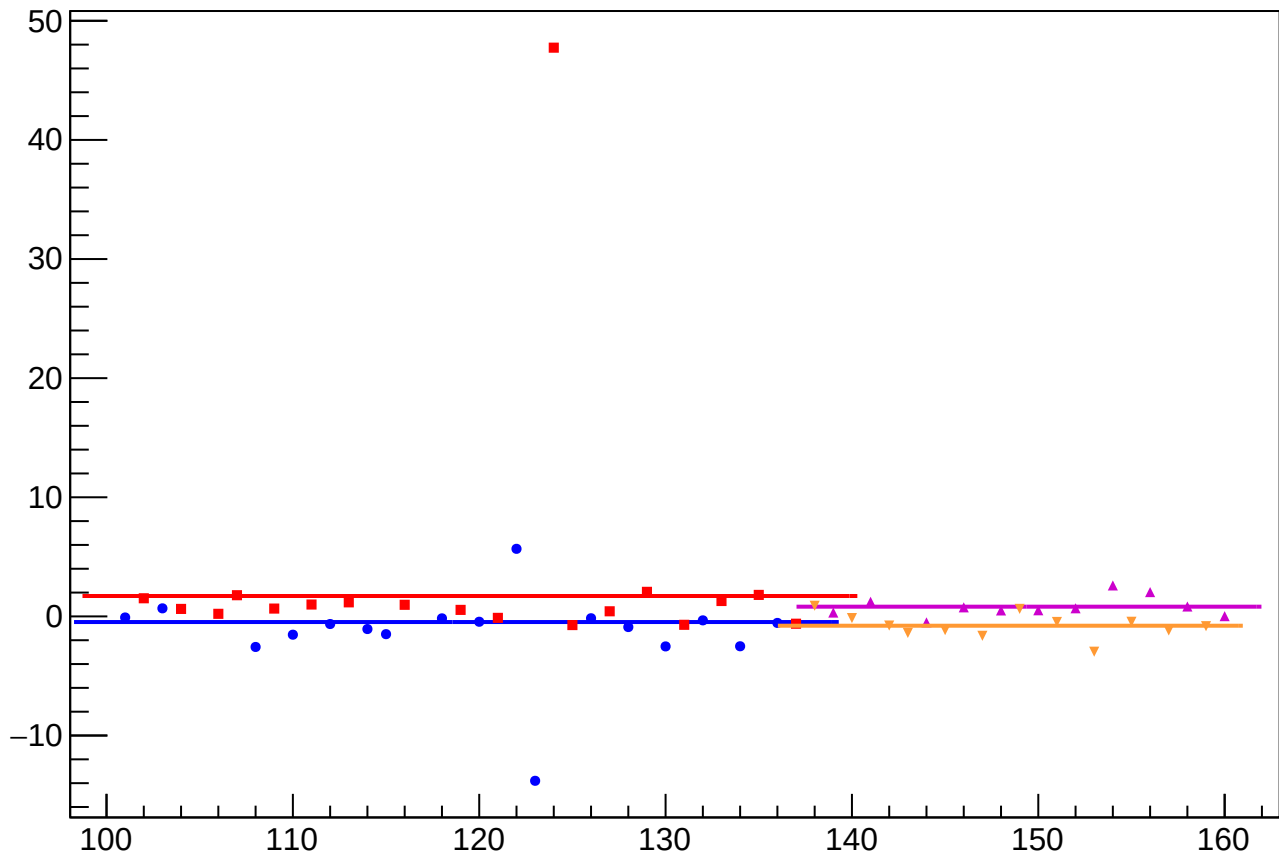
Right In: 4.035 $\pm$ 0.000	χ^2 /NDF: 3710399284586297338090254185267200.0/16	Left: 0.042 $\pm$ 0.000	χ^2 /NDF: 318036590084985990
Left Out: 4.057 $\pm$ 0.000	χ^2 /NDF: 1601757414873361873208521558851584.0/11	Right: -0.034 $\pm$ 0.000	χ^2 /NDF: 2896164909760269
Right Out: -3.983 $\pm$ 0.000	χ^2 /NDF: 2613925353133608323825730446163968.0/17	In: -0.498 $\pm$ 0.000	χ^2 /NDF: 298470622744878101
Left In: -3.869 $\pm$ 0.000	χ^2 /NDF: 127275025204235909562227723665408.0/10	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



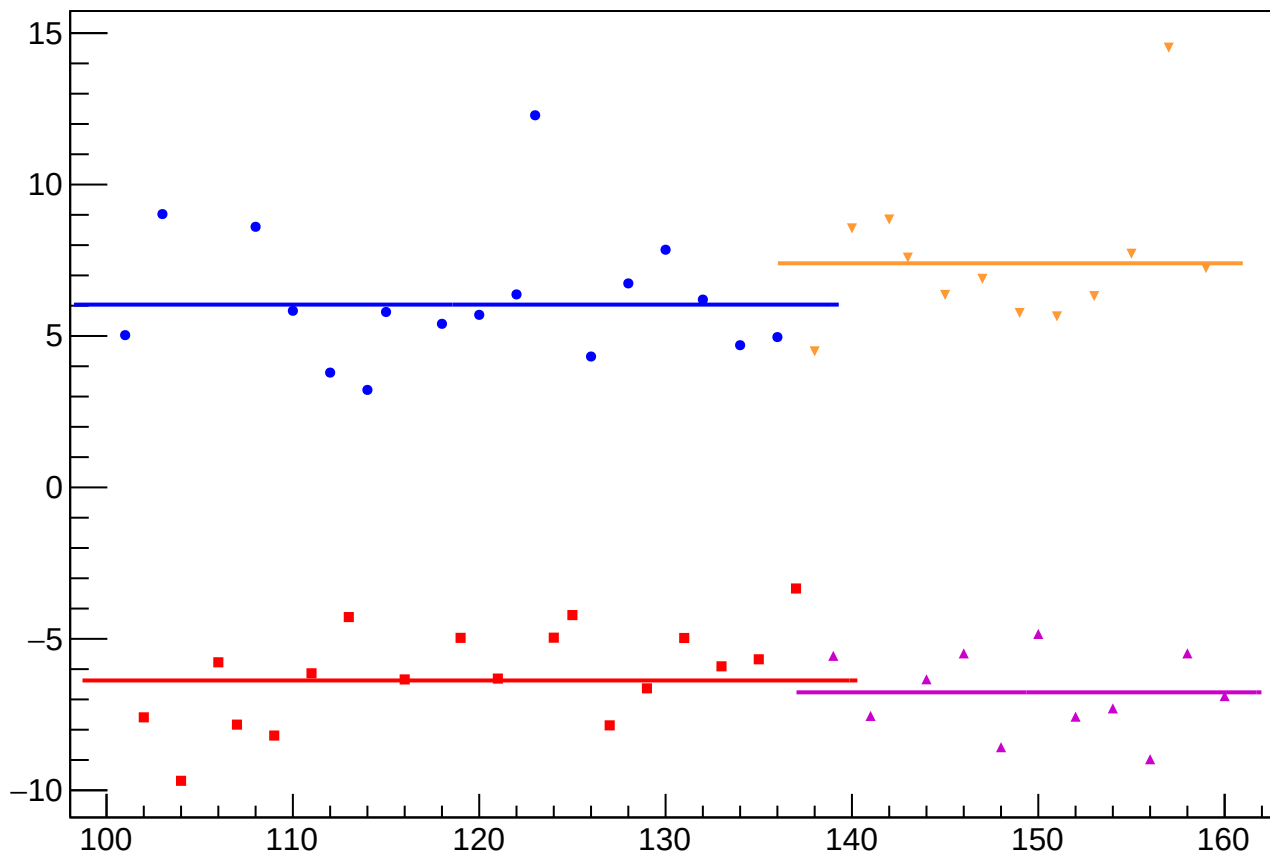
Right In: 1085.186+/-0.000	χ^2/NDF : 44603059371113642027482174752630505472.0/16	Left: -71.638+/-0.000	χ^2/NDF : 2847965876858153
Left Out: 1173.287+/-0.000	χ^2/NDF : 42540290412411971649148526900629471232.0/11	Right: 4.294+/-0.000	χ^2/NDF : 16932734928141311
Right Out: -1044.852+/-0.000	χ^2/NDF : 50845956393664427375382832394046275584.0/17	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_11X12X_coil4_mean vs Slug, Sign Corrected



Right In: -0.473 ± 0.000 $\chi^2/\text{NDF}: 2898613024888316123890745518063616.0/16$
 Left Out: -0.782 ± 0.000 $\chi^2/\text{NDF}: 945280645994518900934494480498688.0/11$
 Right Out: 1.712 ± 0.000 $\chi^2/\text{NDF}: 30716645280339484063089556715470848.0/17$
 Left In: 0.816 ± 0.000 $\chi^2/\text{NDF}: 662056853644750883685234129240064.0/10$
 All: 0.291 ± 0.000 $\chi^2/\text{NDF}: 38376365142967$

dit_11X12X_coil4_err_mean vs Slug, Sign Corrected



Right In: 6.036 $\pm$ 0.000

χ^2/NDF : 1834282168572363767997793128415232.0/16

Left Out: 7.400 $\pm$ 0.000

χ^2/NDF : 5295448681829047225809354325229568.0/11

Right Out: -6.374 $\pm$ 0.000

χ^2/NDF : 1775962730889931898255737308053504.0/17

Left In: -6.766 $\pm$ 0.000

χ^2/NDF : 1543455485673800968010090913202176.0/10

Left: 0.225 $\pm$ 0.000 χ^2/NDF : 992365681268421828

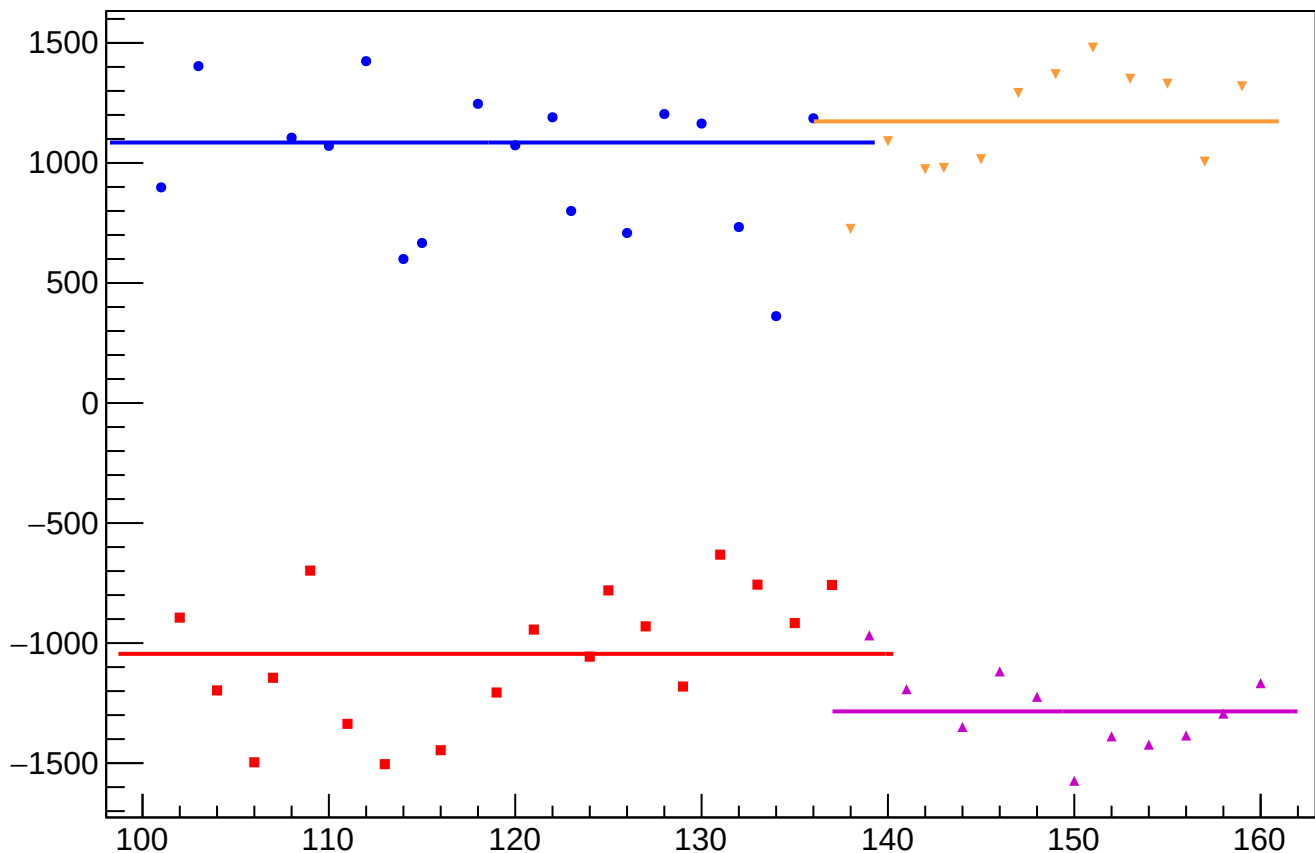
Right: -0.261 $\pm$ 0.000 χ^2/NDF : 5784895299969528

In: -1.305 $\pm$ 0.000 χ^2/NDF : 686045511468165147

Out: 1.336 $\pm$ 0.000 χ^2/NDF : 830007043475067766

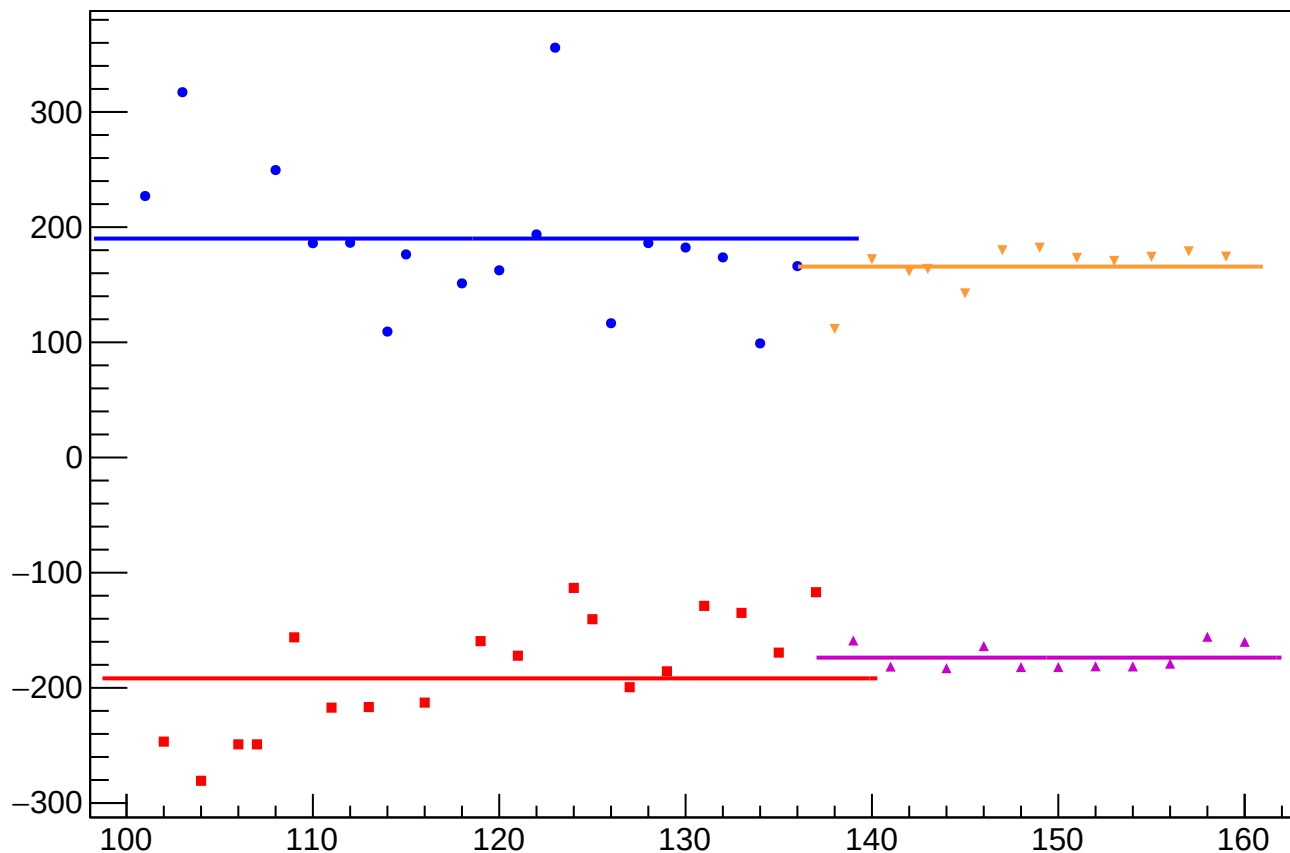
All: 0.014 $\pm$ 0.000 χ^2/NDF : 15727417011550

dit_11X12X_coil4_Ndata_mean vs Slug, Sign Corrected



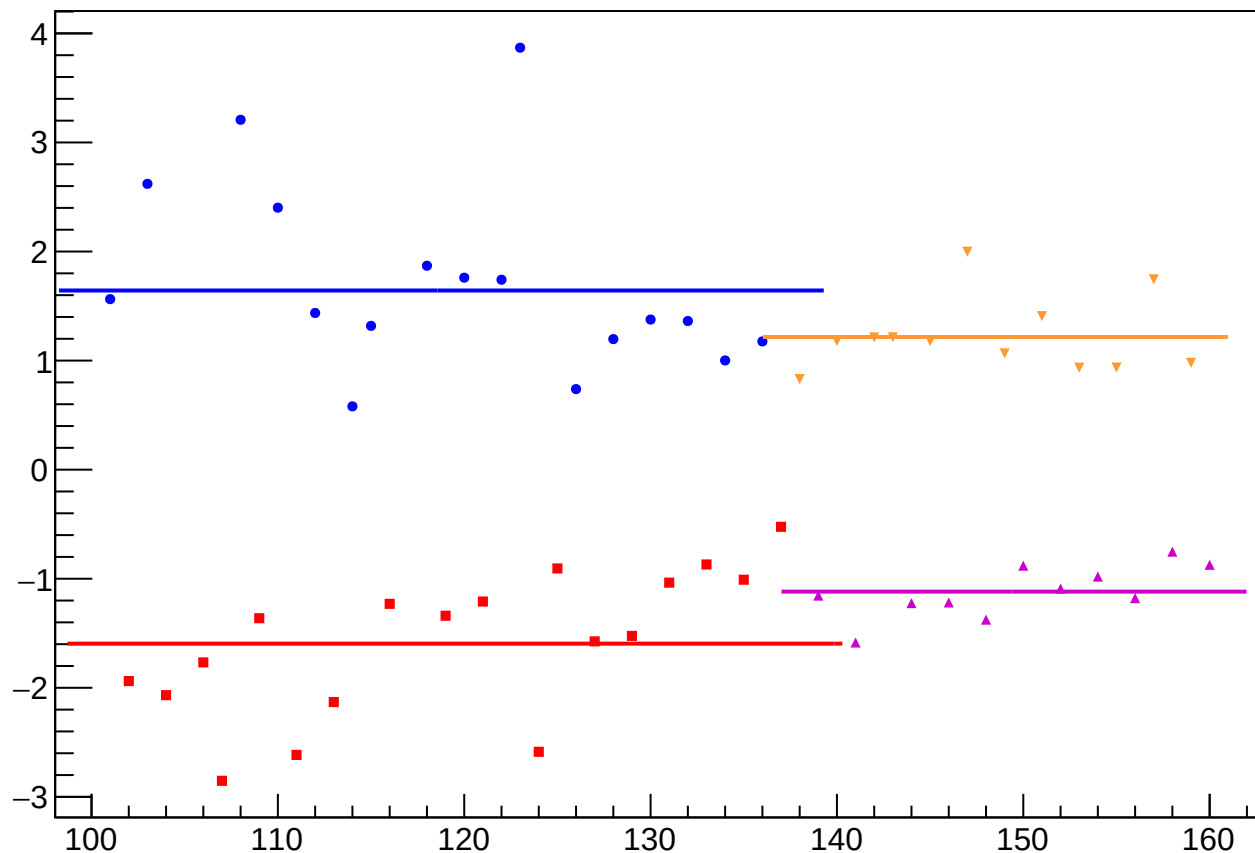
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_4aY_coil4_mean vs Slug, Sign Corrected



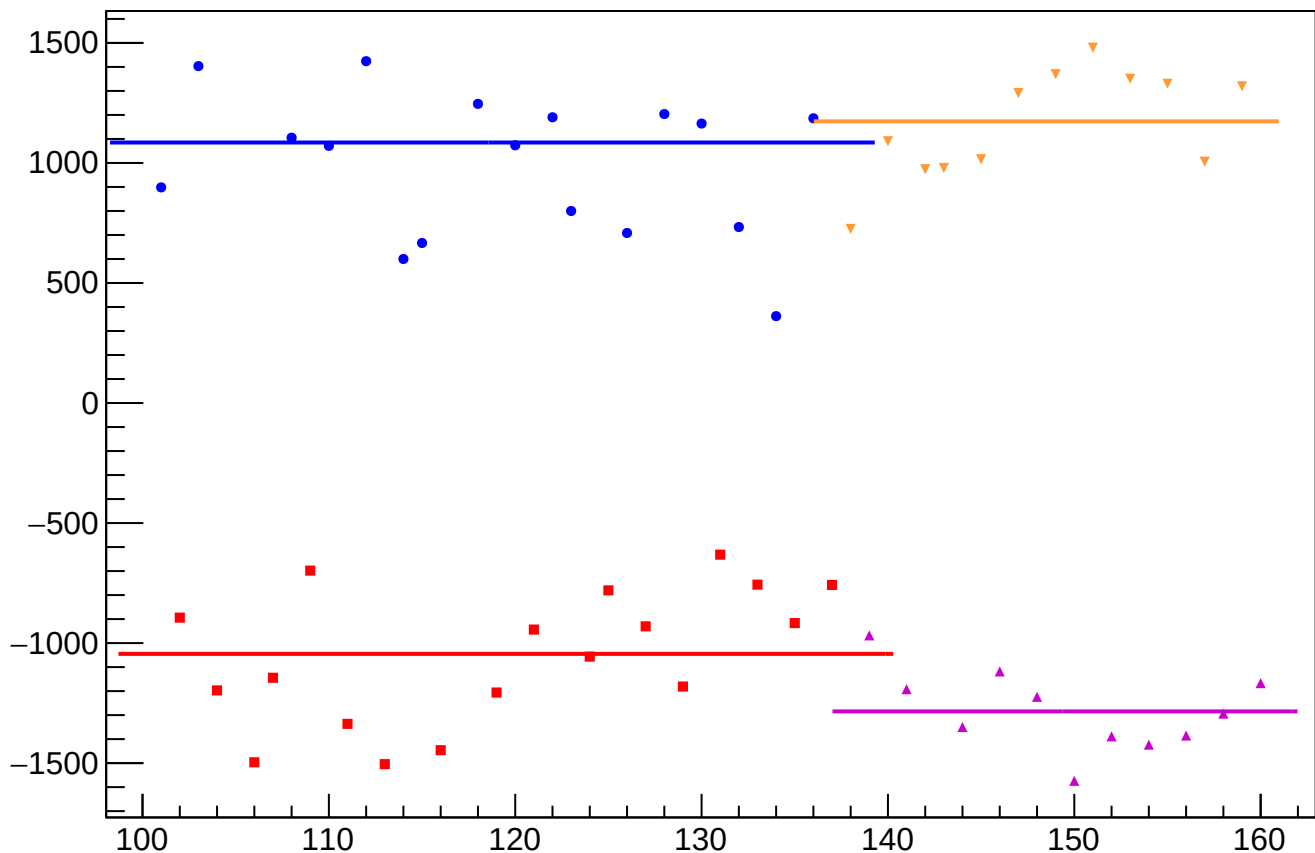
Right In: 190.085 ± 0.000 $\chi^2/\text{NDF}: 1925698803891151227234396073587900416.0/16$
 Left Out: 165.739 ± 0.000 $\chi^2/\text{NDF}: 344682497656901428032567062567059456.0/11$
 Right Out: -191.757 ± 0.000 $\chi^2/\text{NDF}: 1600653754892471682568282524337831936.0/17$
 Left In: -173.752 ± 0.000 $\chi^2/\text{NDF}: 105283442852130720199037078170763264.0/10$
 All: -5.119 ± 0.000 $\chi^2/\text{NDF}: 1083947156669$

dit_4aY_coil4_err_mean vs Slug, Sign Corrected



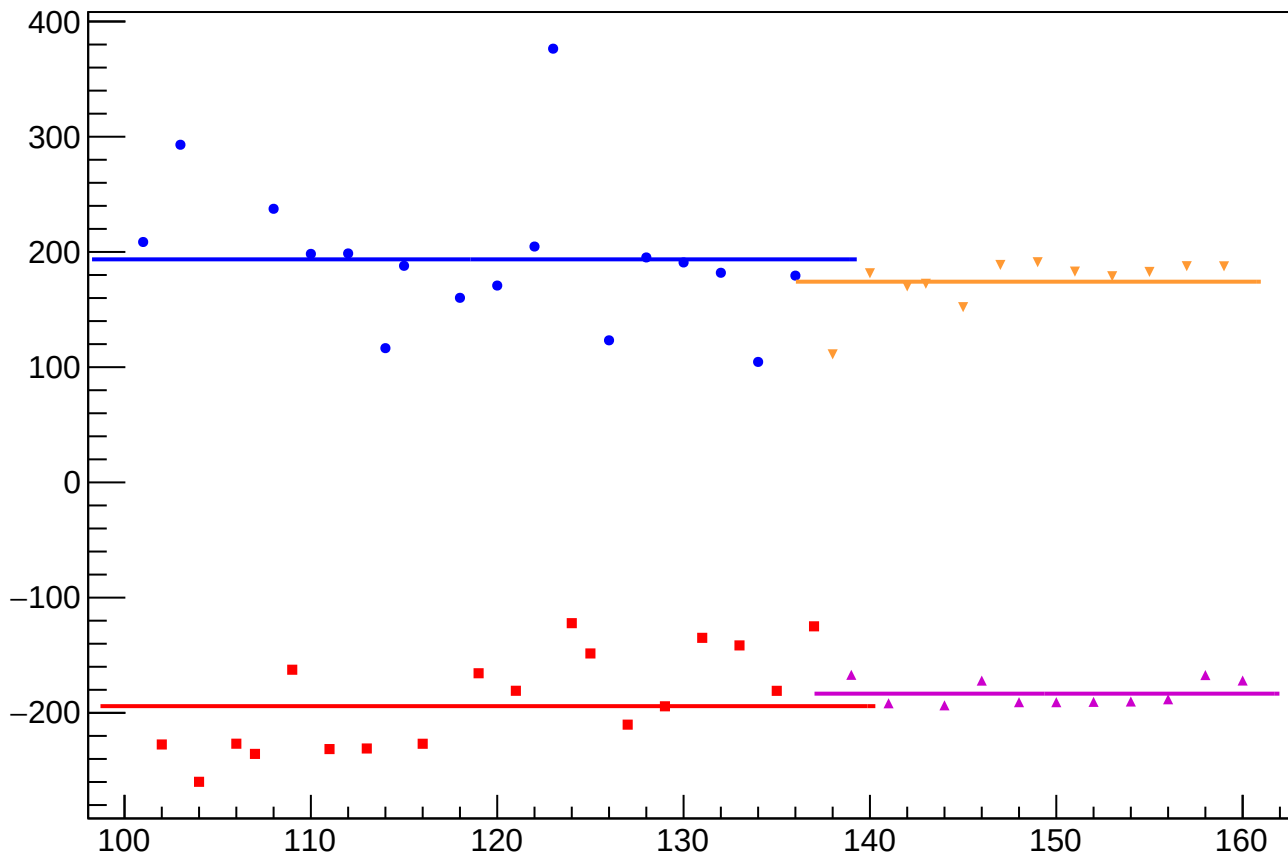
Right In: 1.643 ± 0.000 χ^2/NDF : 289253300871261454870716449030144.0/16
 Left Out: 1.217 ± 0.000 χ^2/NDF : 102394613447491283246123057152000.0/11
 Right Out: -1.595 ± 0.000 χ^2/NDF : 253487865182855947655895326916608.0/17
 Left In: -1.118 ± 0.000 χ^2/NDF : 49044430342731068780186328629248.0/10
 All: 0.019 ± 0.000 χ^2/NDF : 68970144318089

dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected



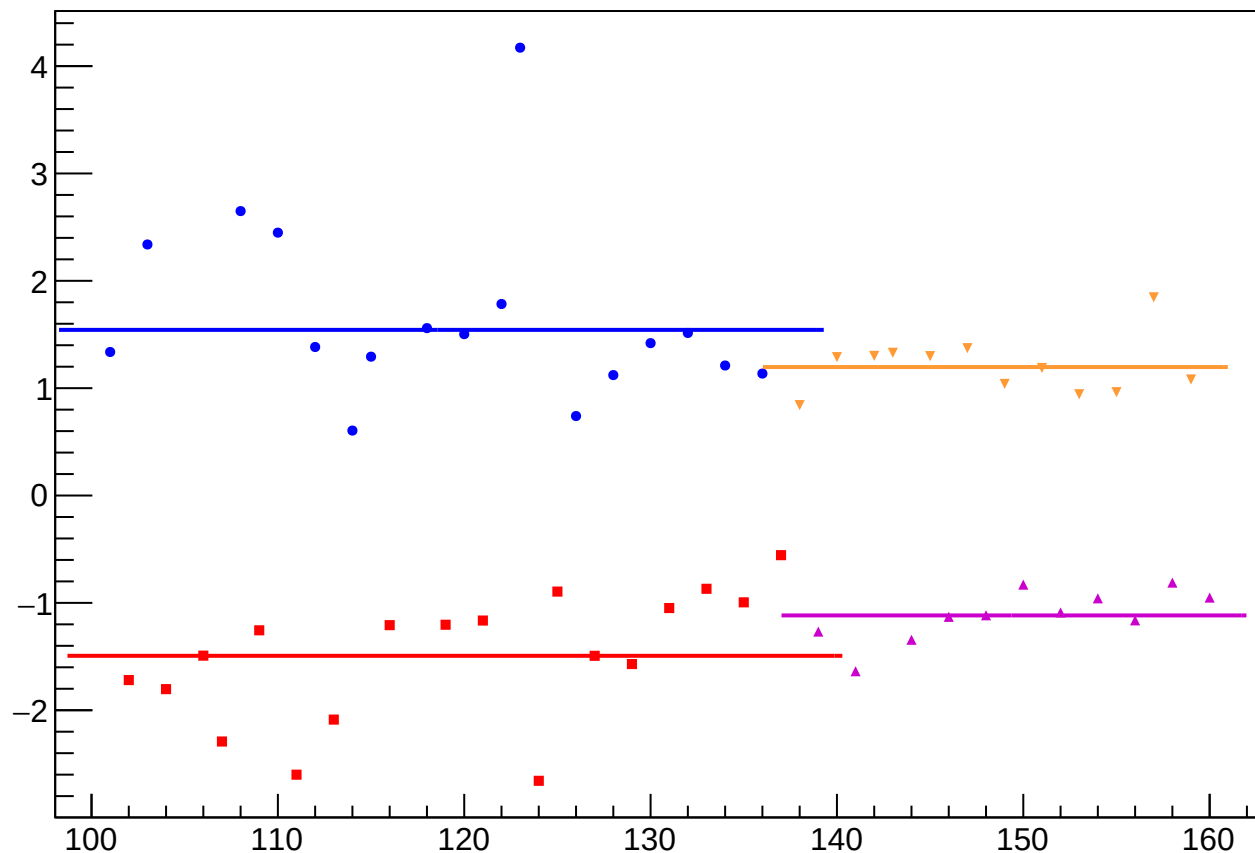
Right In: 1085.186+/-0.000	χ^2/NDF : 44603059371113642027482174752630505472.0/16	Left: -71.638+/-0.000	χ^2/NDF : 2847965876858153
Left Out: 1173.287+/-0.000	χ^2/NDF : 42540290412411971649148526900629471232.0/11	Right: 4.294+/-0.000	χ^2/NDF : 16932734928141311
Right Out: -1044.852+/-0.000	χ^2/NDF : 50845956393664427375382832394046275584.0/17	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



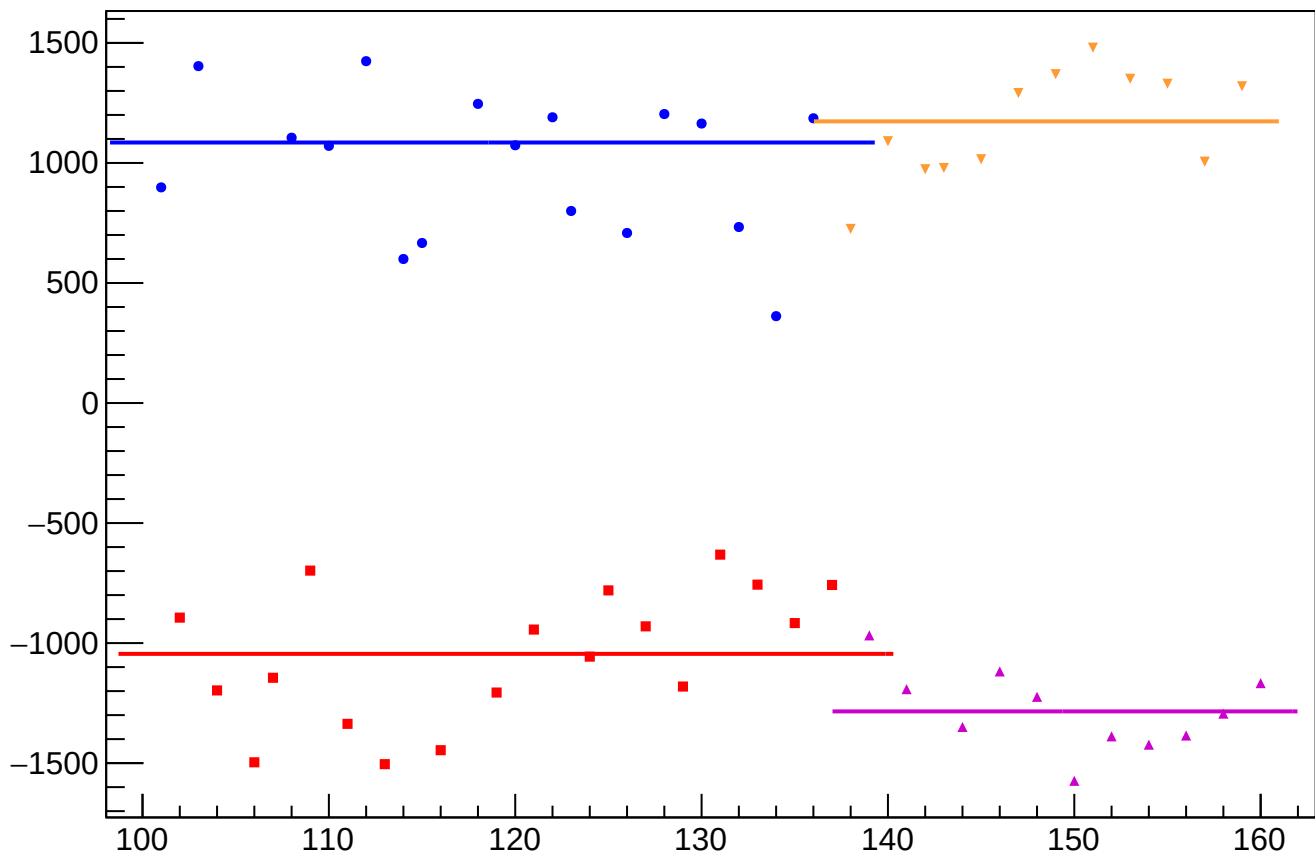
Right In: 193.573 $\pm$ 0.000 χ^2 /NDF: 1351064334288465855493252395600707584.0/16
 Left Out: 174.198 $\pm$ 0.000 χ^2 /NDF: 435157803959110752164132199015120896.0/11
 Right Out: -194.177 $\pm$ 0.000 χ^2 /NDF: 1137351144016205804609551236362928128.0/17
 Left In: -183.338 $\pm$ 0.000 χ^2 /NDF: 99283390921198074748427132624437248.0/10
 All: -5.292 $\pm$ 0.000 χ^2 /NDF: 1148391836793

dit_4eY_coil4_err_mean vs Slug, Sign Corrected



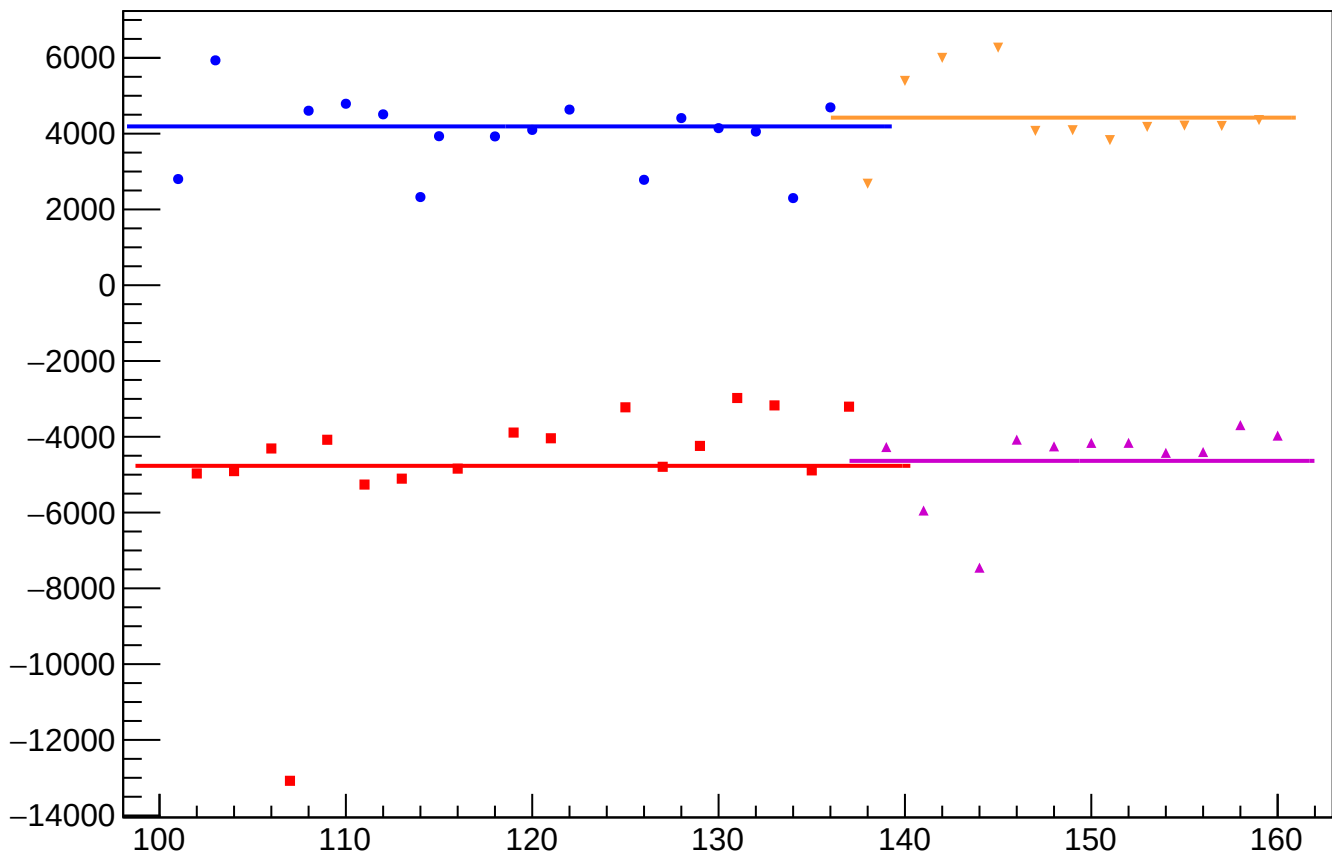
Right In: 1.543+/-0.000 χ^2/NDF : 211470615756148398389395258867712.0/16
 Left Out: 1.197+/-0.000 χ^2/NDF : 59586654303702490446710865657856.0/11
 Right Out: -1.493+/-0.000 χ^2/NDF : 198853919603996729553220305682432.0/17
 Left In: -1.117+/-0.000 χ^2/NDF : 49235563214758682247299927638016.0/10
 All: 0.015+/-0.000 χ^2/NDF : 62302324533540

dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected



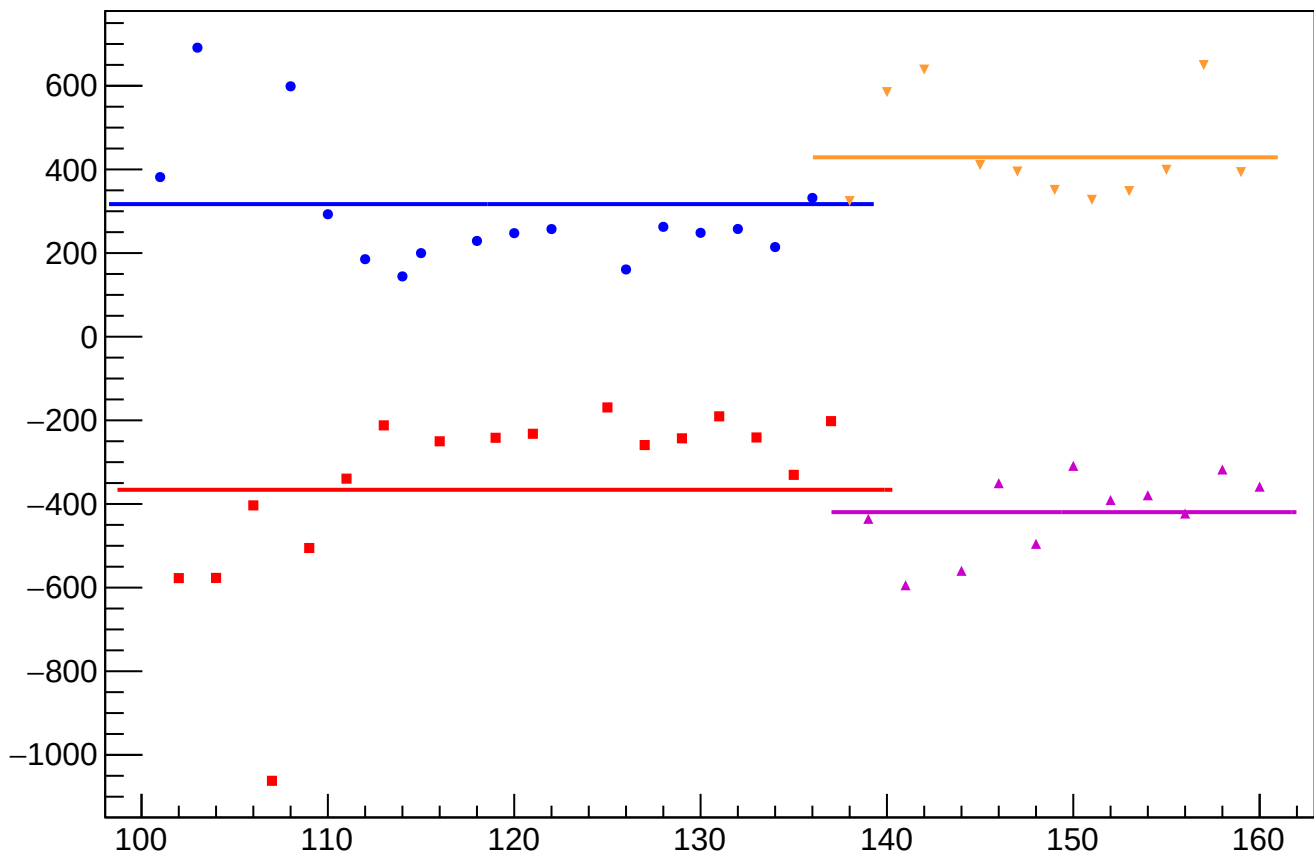
Right In: 1085.186+/-0.000	χ^2/NDF : 44603059371113642027482174752630505472.0/16	Left: -71.638+/-0.000	χ^2/NDF : 2847965876858153
Left Out: 1173.287+/-0.000	χ^2/NDF : 42540290412411971649148526900629471232.0/11	Right: 4.294+/-0.000	χ^2/NDF : 16932734928141311
Right Out: -1044.852+/-0.000	χ^2/NDF : 50845956393664427375382832394046275584.0/17	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_usl_coil4_mean vs Slug, Sign Corrected



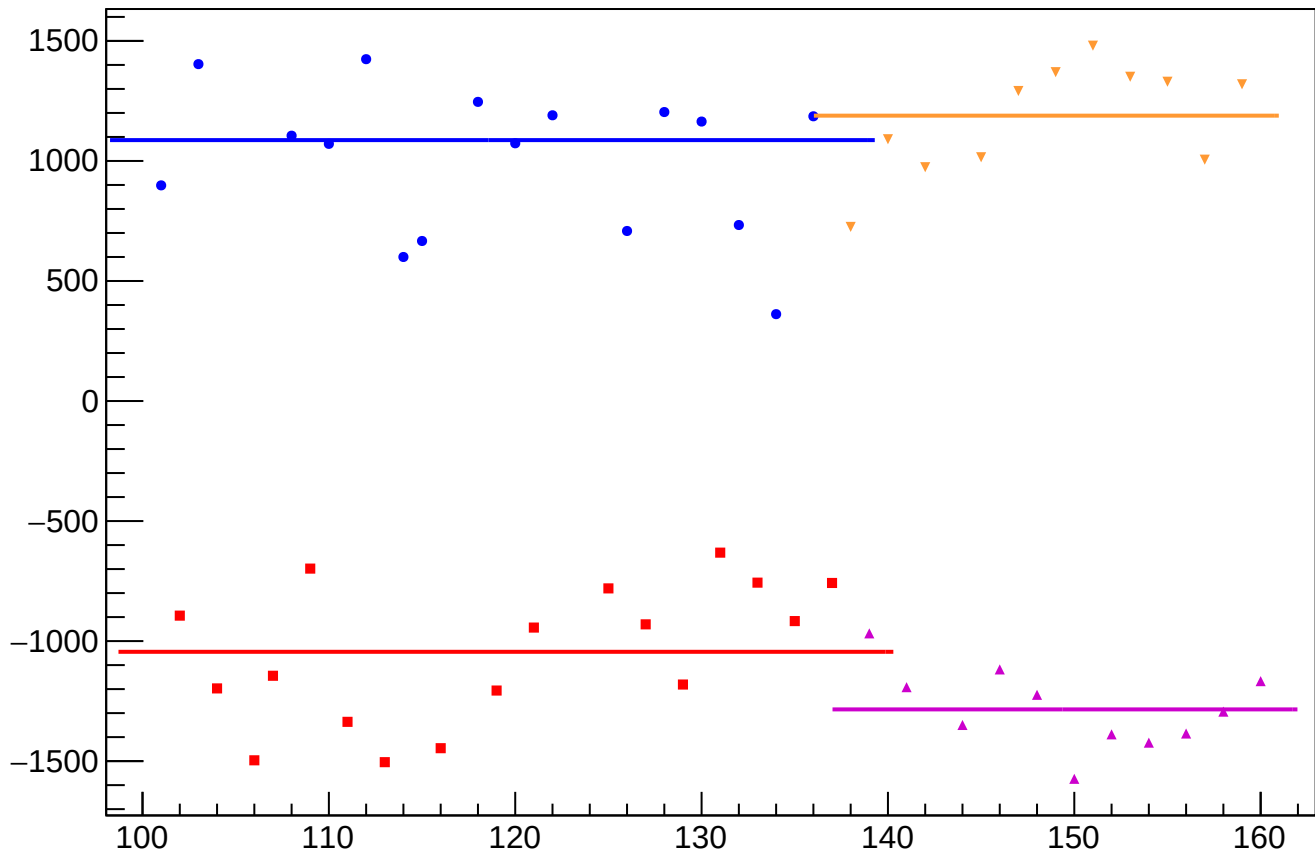
Right In: 4190.973+/-0.000 χ^2/NDF : 554038134535494230935556440305969397760.0/15
 Left Out: 4422.510+/-0.000 χ^2/NDF : 753196682646313209134126931375441313792.0/10
 Right Out: -4766.714+/-0.000 χ^2/NDF : 2969196242721495635889986773908602224640.0/16
 Left In: -4635.509+/-0.000 χ^2/NDF : 1059752939887595758489348119495845085184.0/10
 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

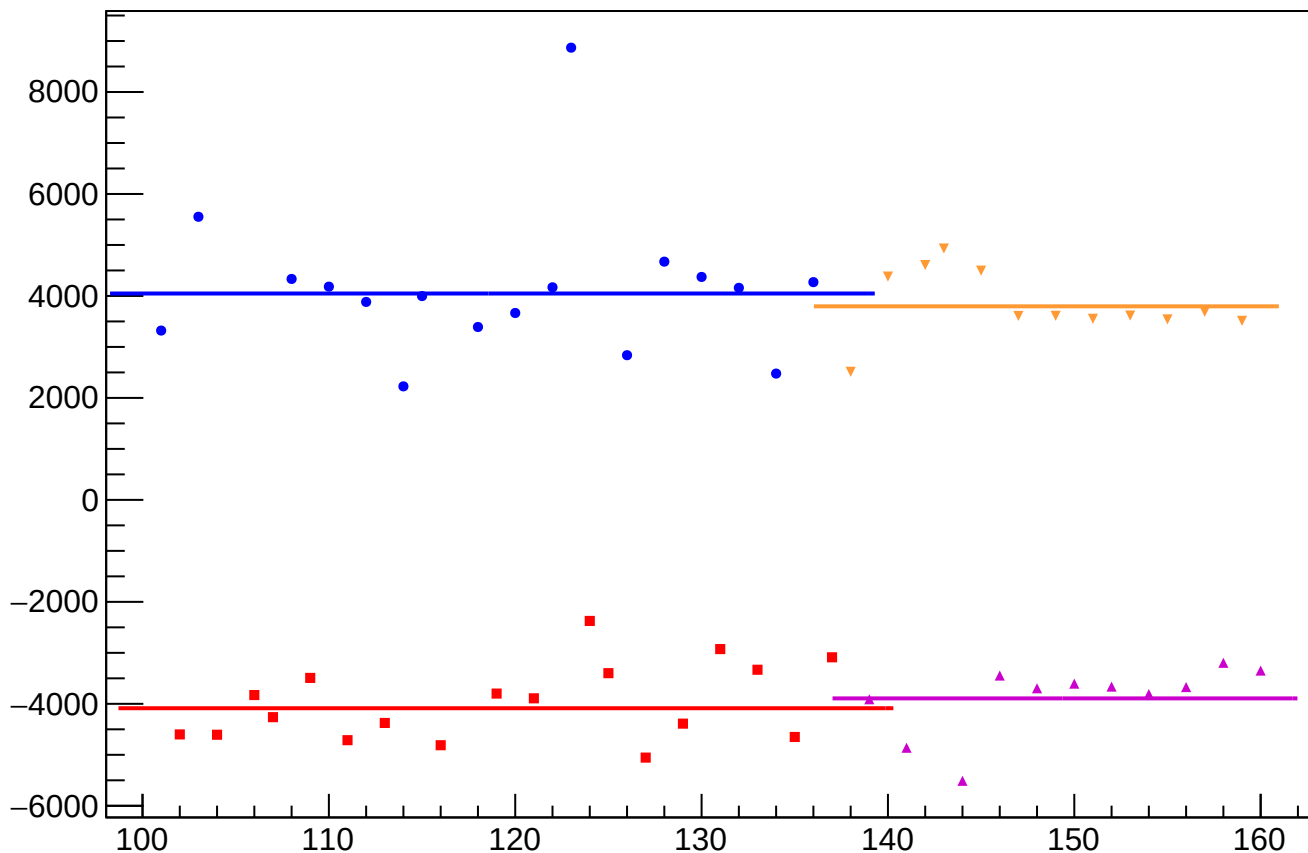
χ^2/NDF : 50844042601115178022623217176499191808.0/16

Left In: -1284.540+/-0.000

χ^2/NDF : 24056417049221053484728394918859374592.0/10

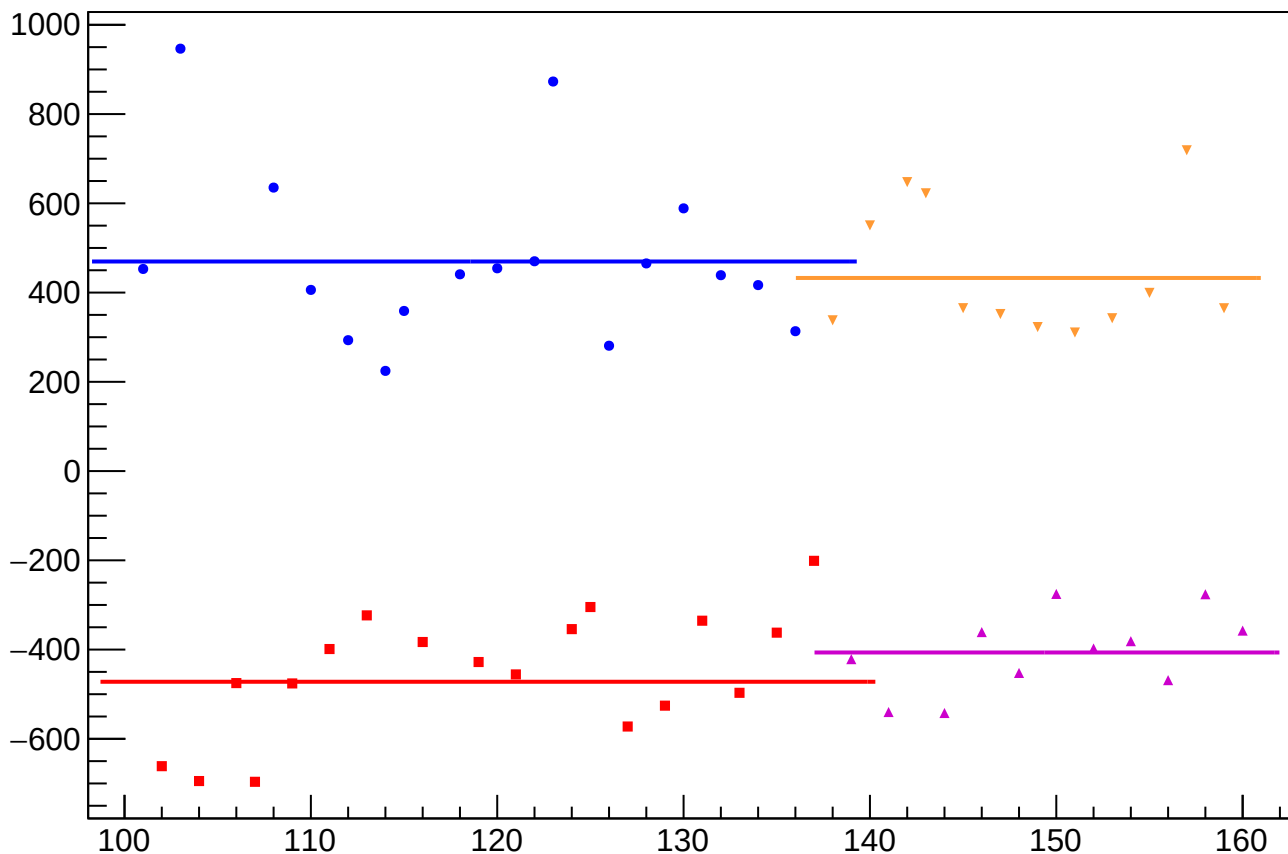
All: -56.828+/-0.000 χ^2/NDF : 445808036834

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

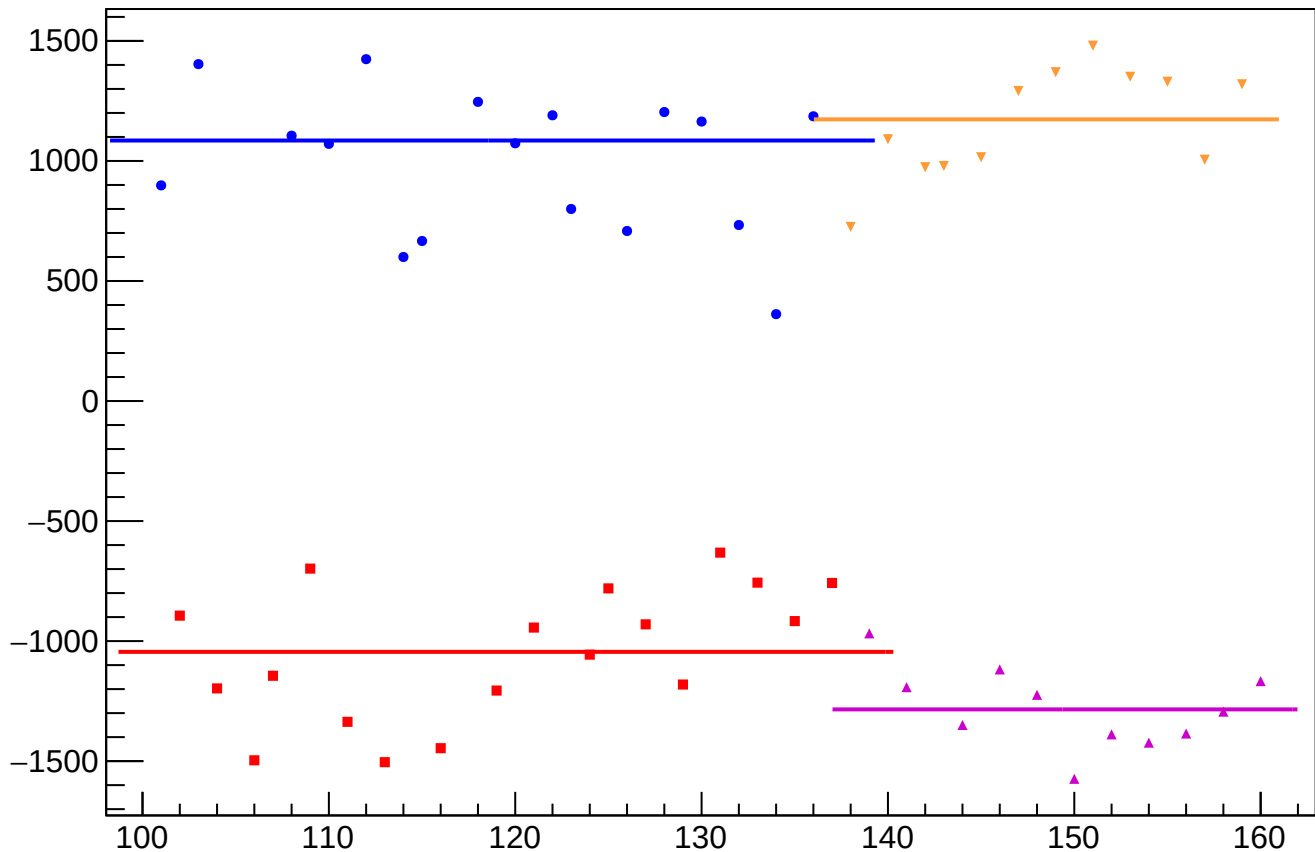
Left Out: 432.752 $\pm$ 0.000 χ^2 /NDF: 16613778156502227039812648208749821952.0/11

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

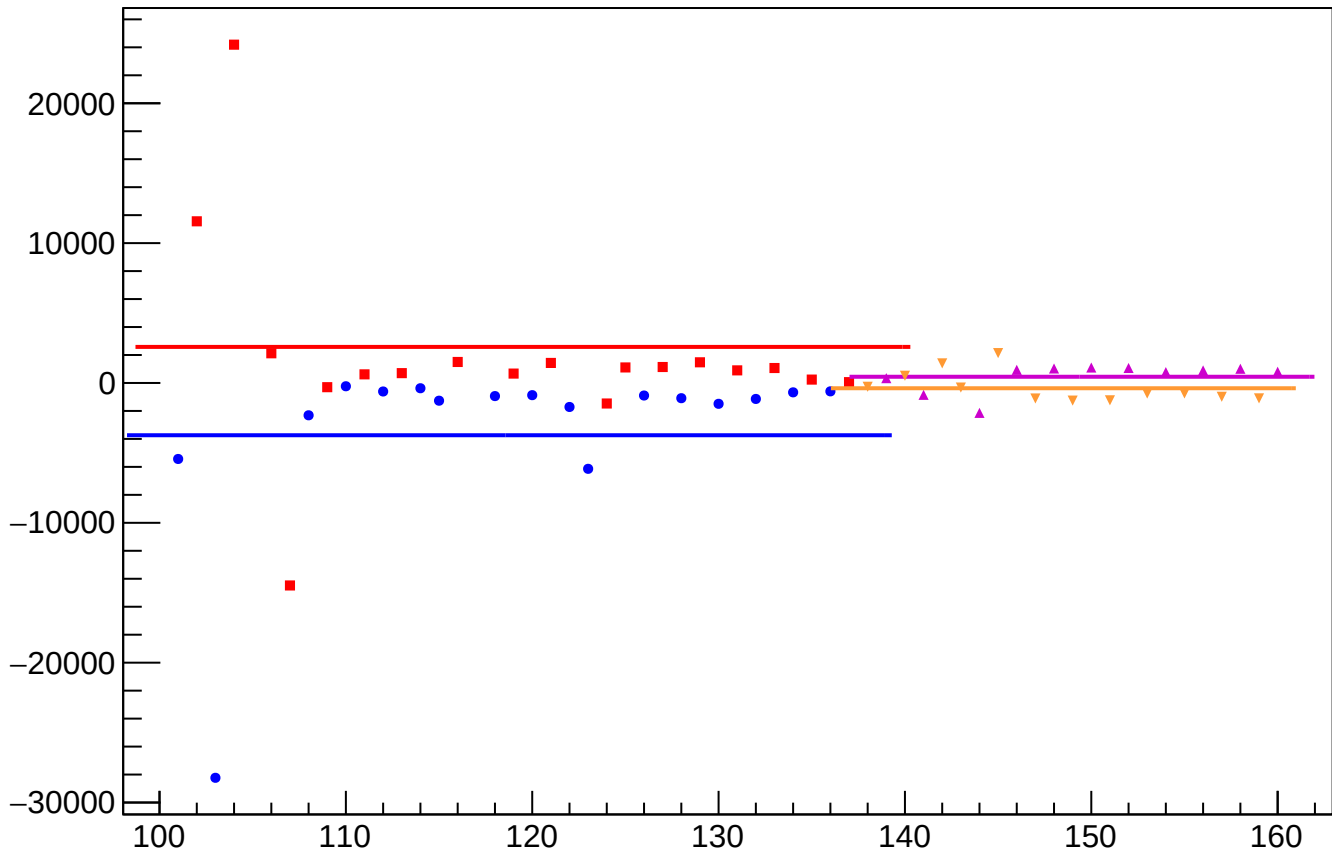
χ^2/NDF : 50845956393664427375382832394046275584.0/17

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

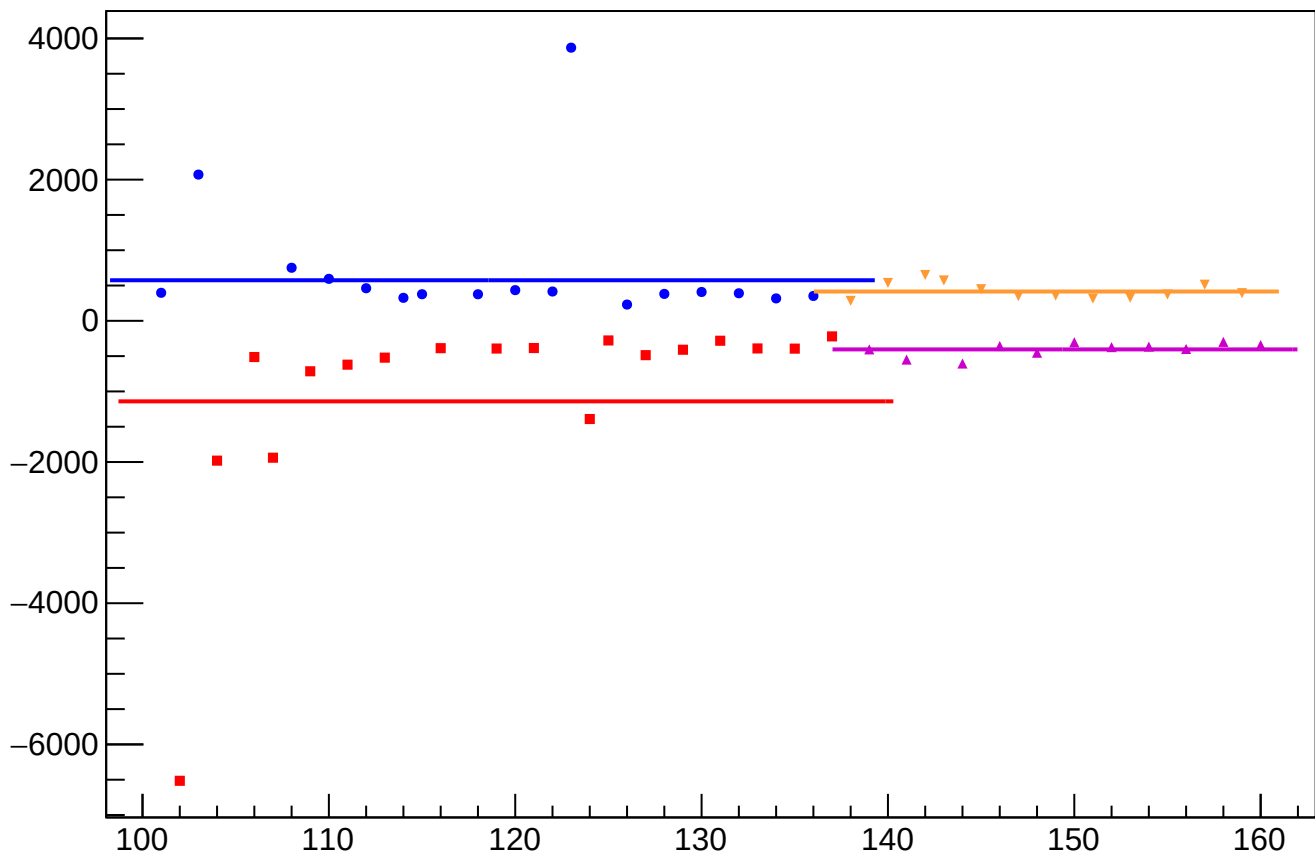
χ^2/NDF : 41033783209718443304558448411646302879744.0/17

Left In: 444.428+/-0.000

χ^2/NDF : 923276009049297948790551518127417458688.0/10

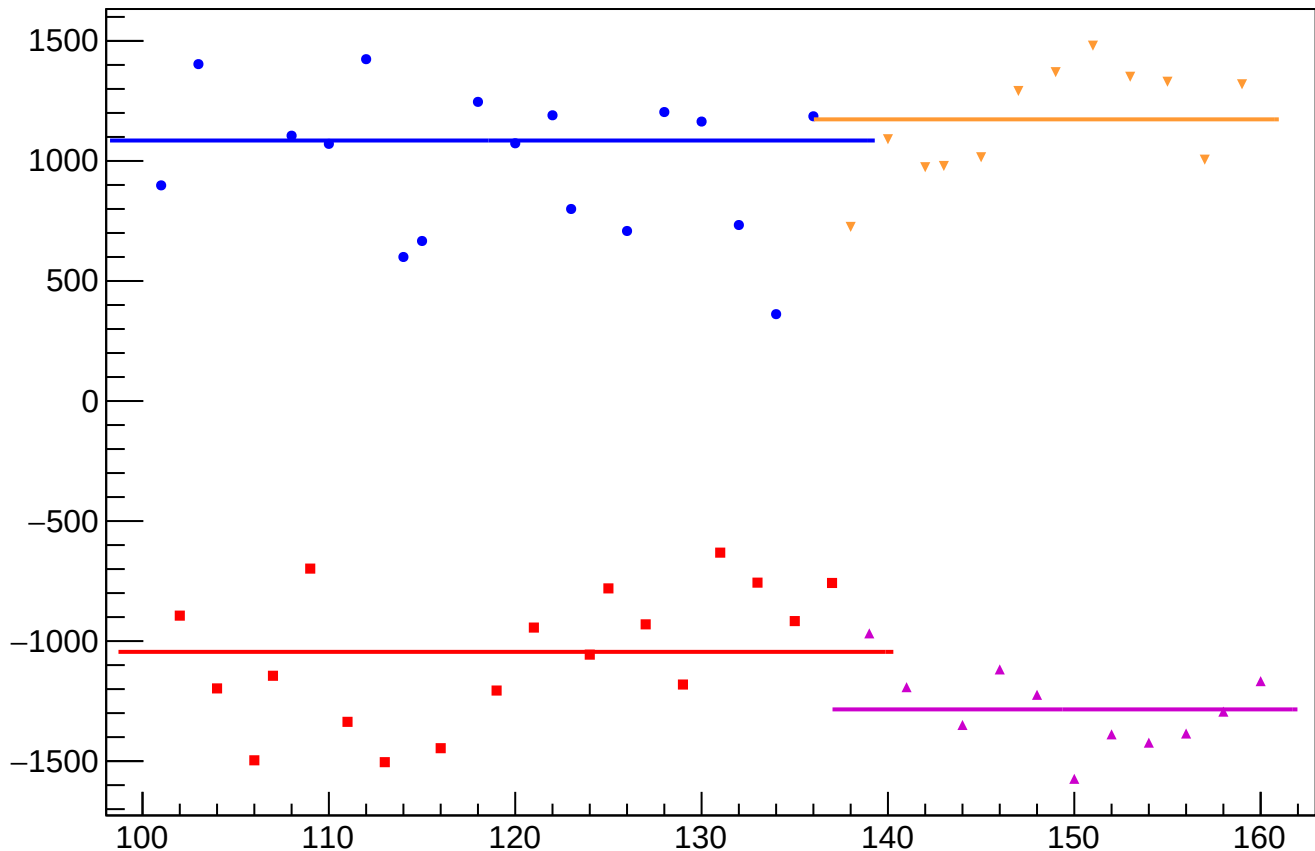
All: -208.649+/-0.000 χ^2/NDF : 97510545741

dit_atl1_coil4_err_mean vs Slug, Sign Corrected



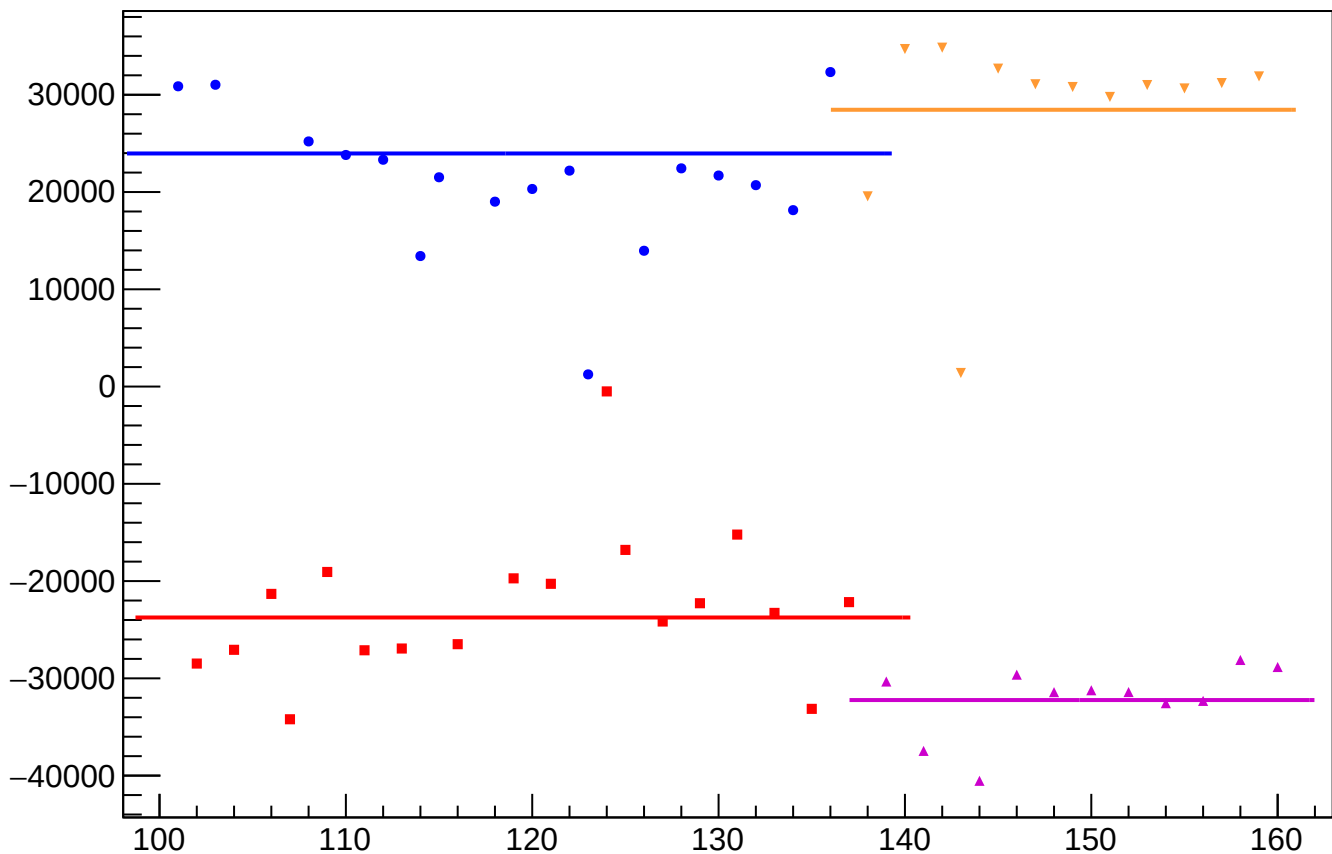
Right In: 574.655+/-0.000 χ^2/NDF : 199698400452439530730016550179978608640.0/16
 Left Out: 415.289+/-0.000 χ^2/NDF : 9749177635603258088647624710302990336.0/11
 Right Out: -1140.608+/-0.000 χ^2/NDF : 2013558101221942862779211693423515926528.0/17
 Left In: -404.849+/-0.000 χ^2/NDF : 8121817838558046042338349225347121152.0/10
 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

χ^2/NDF : 22982900561545593794269983567622080299008.0/16

Left: -2282.243+/-0.000 χ^2/NDF : 17729943772408

Right: -244.715+/-0.000 χ^2/NDF : 85050414174133

Left Out: 28458.038+/-0.000

χ^2/NDF : 65276775110198217312307166333227962990592.0/11

In: -8260.870+/-0.000 χ^2/NDF : 129168623898544

Right Out: -23743.519+/-0.000

χ^2/NDF : 25937218131071515690144071247519476088832.0/17

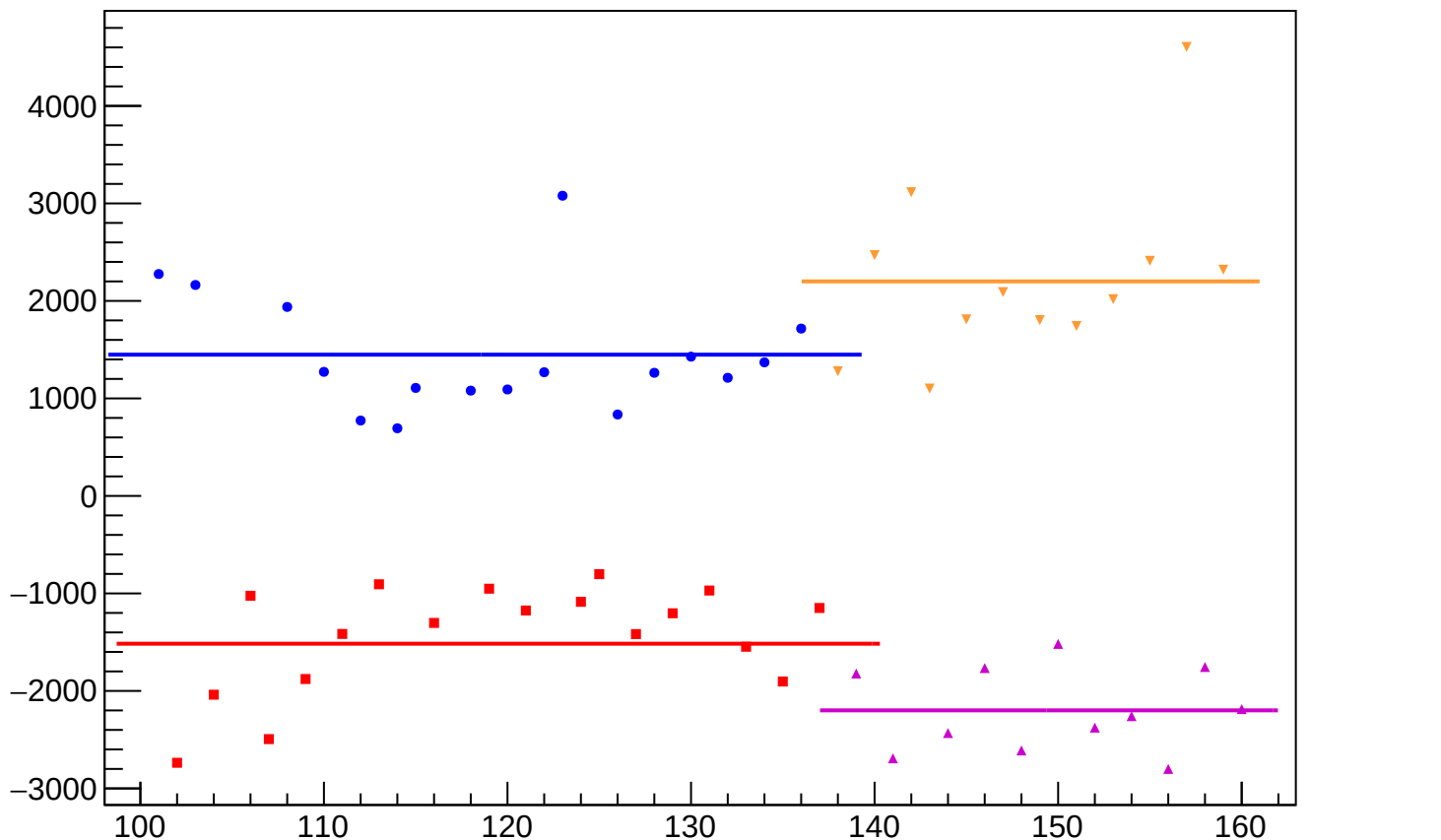
Out: 5475.210+/-0.000 χ^2/NDF : 118177711677927

Left In: -32231.777+/-0.000

χ^2/NDF : 11867262349376140232643052148473974489088.0/10

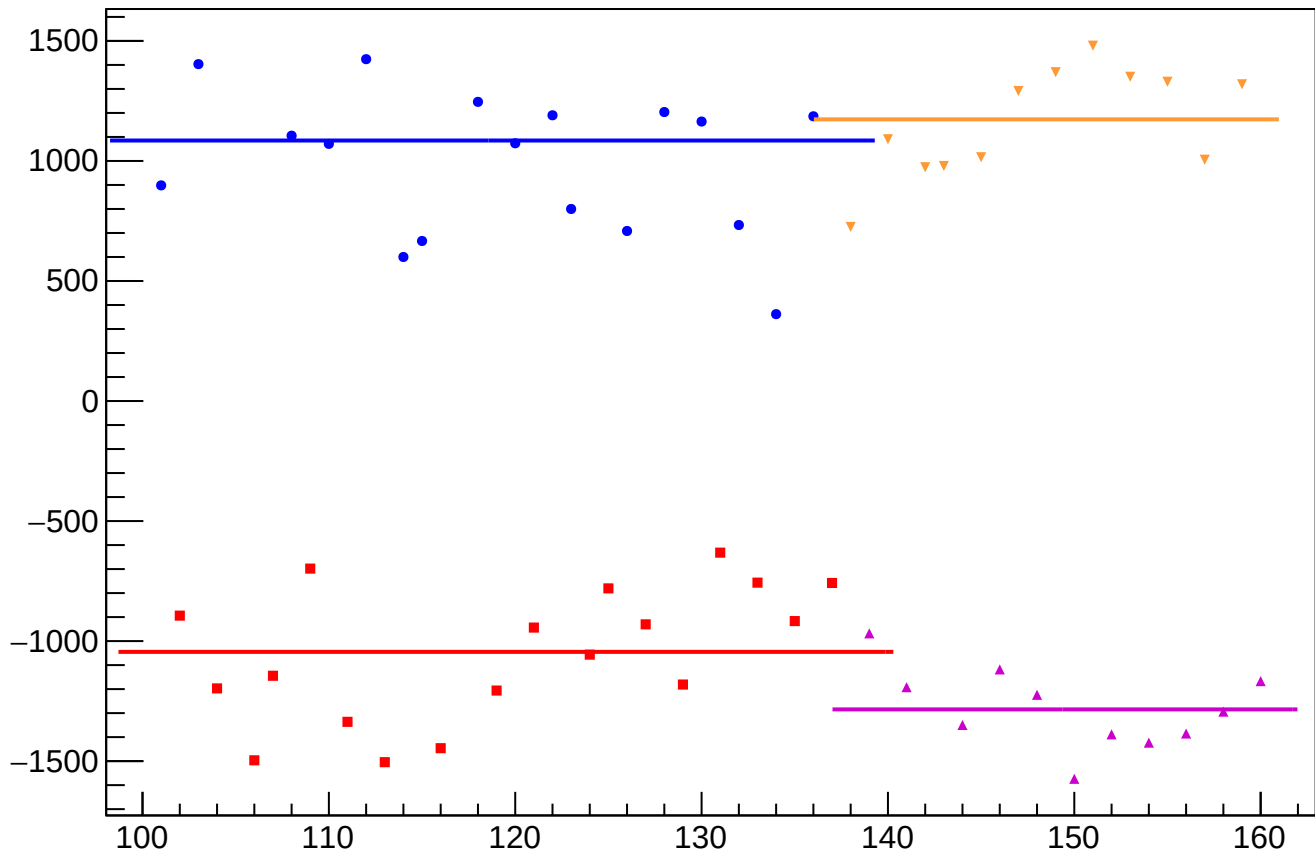
All: -1399.168+/-0.000 χ^2/NDF : 2626812808

dit_atl2_coil4_err_mean vs Slug, Sign Corrected



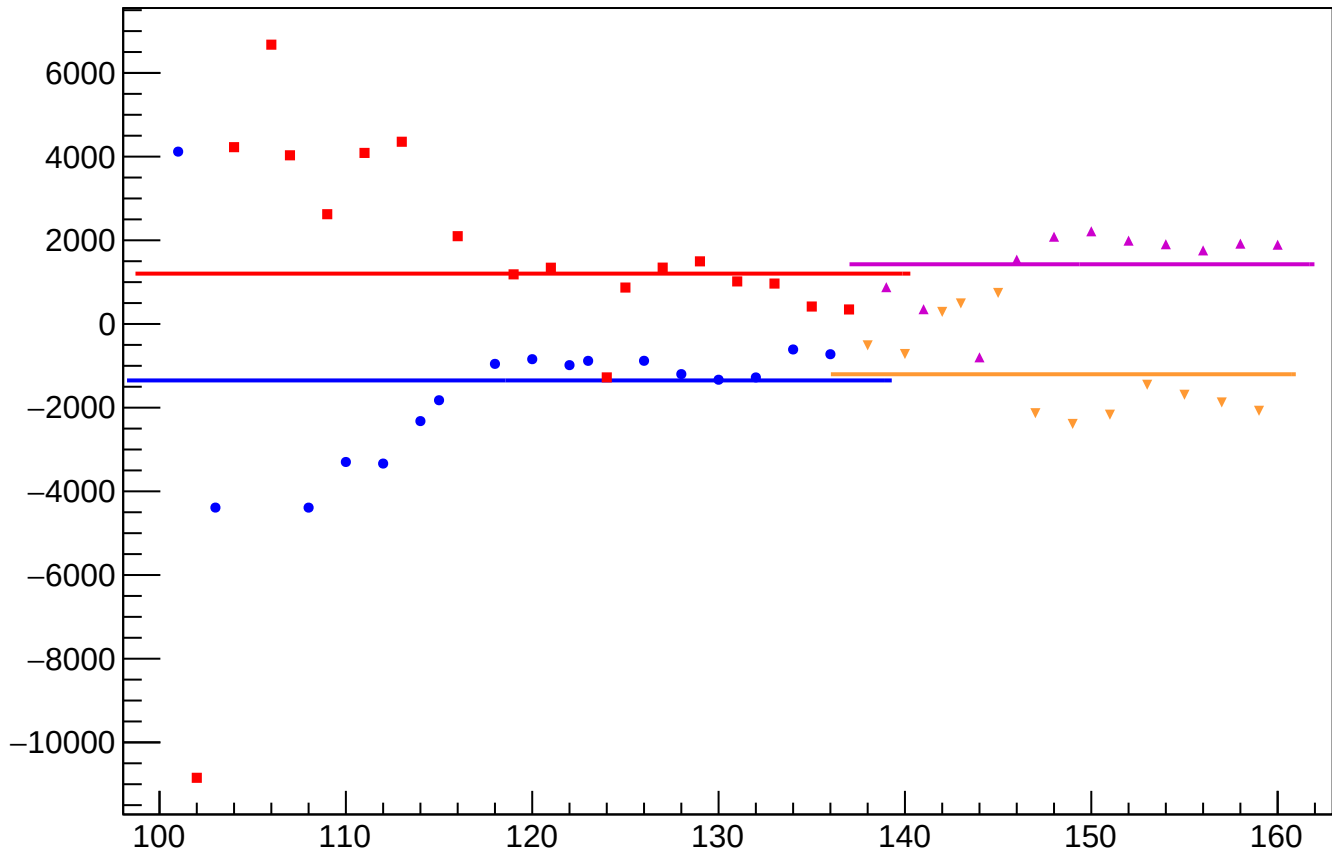
Left: -28.219 +/- 0.000 χ^2/NDF : 9737566526790987
 Right: -55.550 +/- 0.000 χ^2/NDF : 349060323301612
 In: -643.193 +/- 0.000 χ^2/NDF : 5614558258278717
 Out: 564.178 +/- 0.000 χ^2/NDF : 6429427504300672
 All: -40.065 +/- 0.000 χ^2/NDF : 132287661169

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

Left Out: -1201.551+/-0.000

Right Out: 1203.612+/-0.000

Left In: 1427.044+/-0.000

χ^2/NDF : 3084941184045918680057306663363310256128.0/16

χ^2/NDF : 1022278799851765665232545195889702993920.0/11

χ^2/NDF : 11193438968454164485978999260490441424896.0/17

χ^2/NDF : 751413830478220555131206140402736300032.0/10

Left: 129.871+/-0.000 χ^2/NDF : 4954983265052940

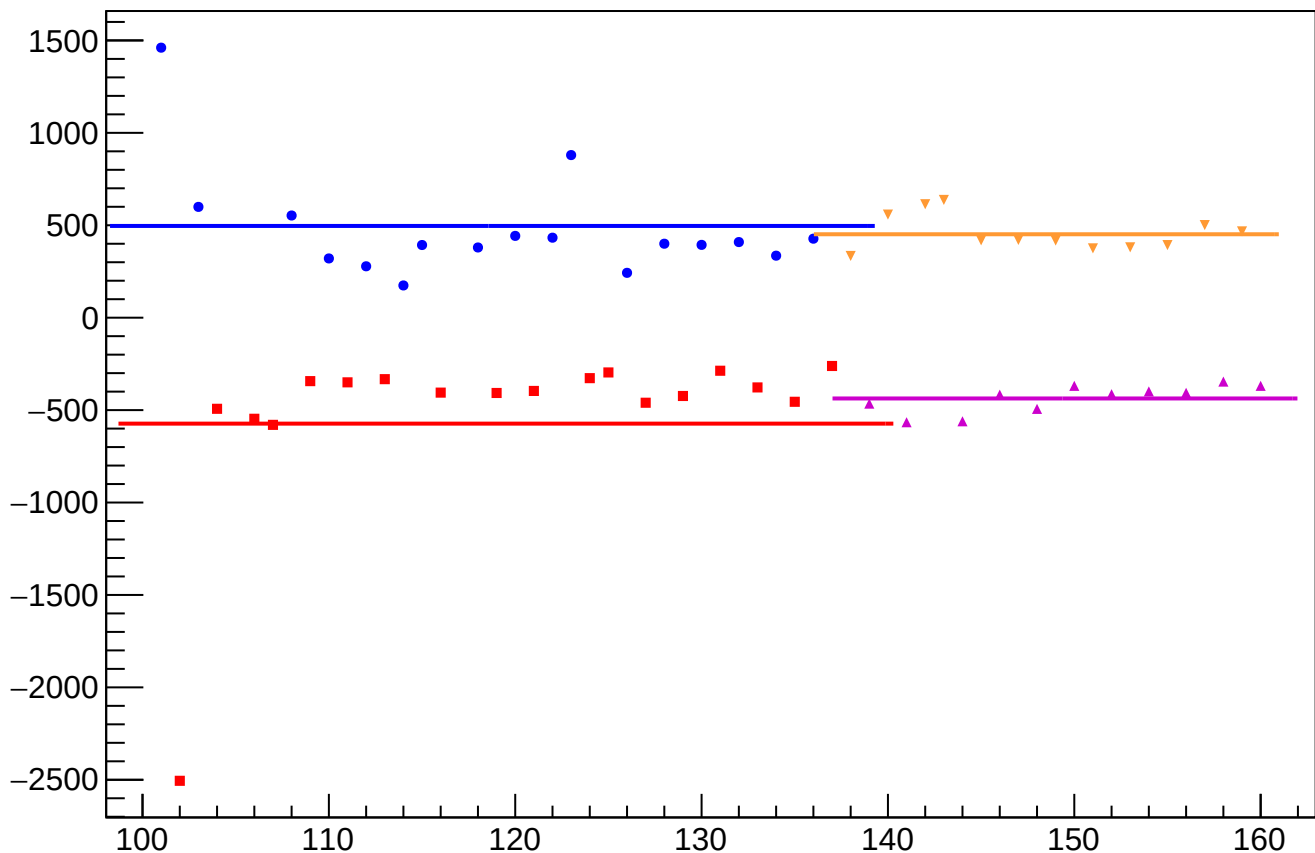
Right: -53.758+/-0.000 χ^2/NDF : 165733864830032

In: 242.842+/-0.000 χ^2/NDF : 6903689749274373

Out: -142.628+/-0.000 χ^2/NDF : 145308353732045

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

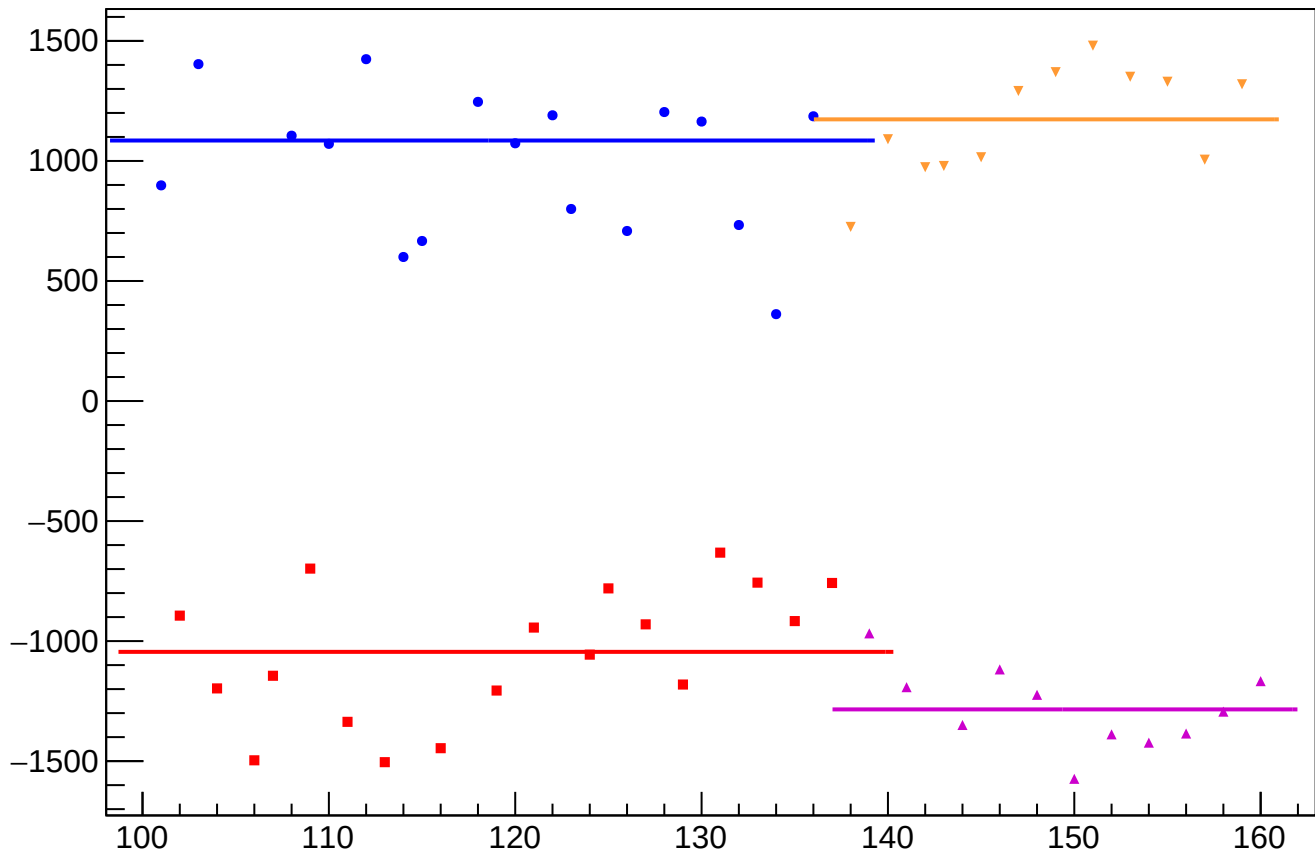
χ^2/NDF : 240073229917698868720276393416726675456.0/17

Left In: -437.047+/-0.000

χ^2/NDF : 4864659833143539285467190686845501440.0/10

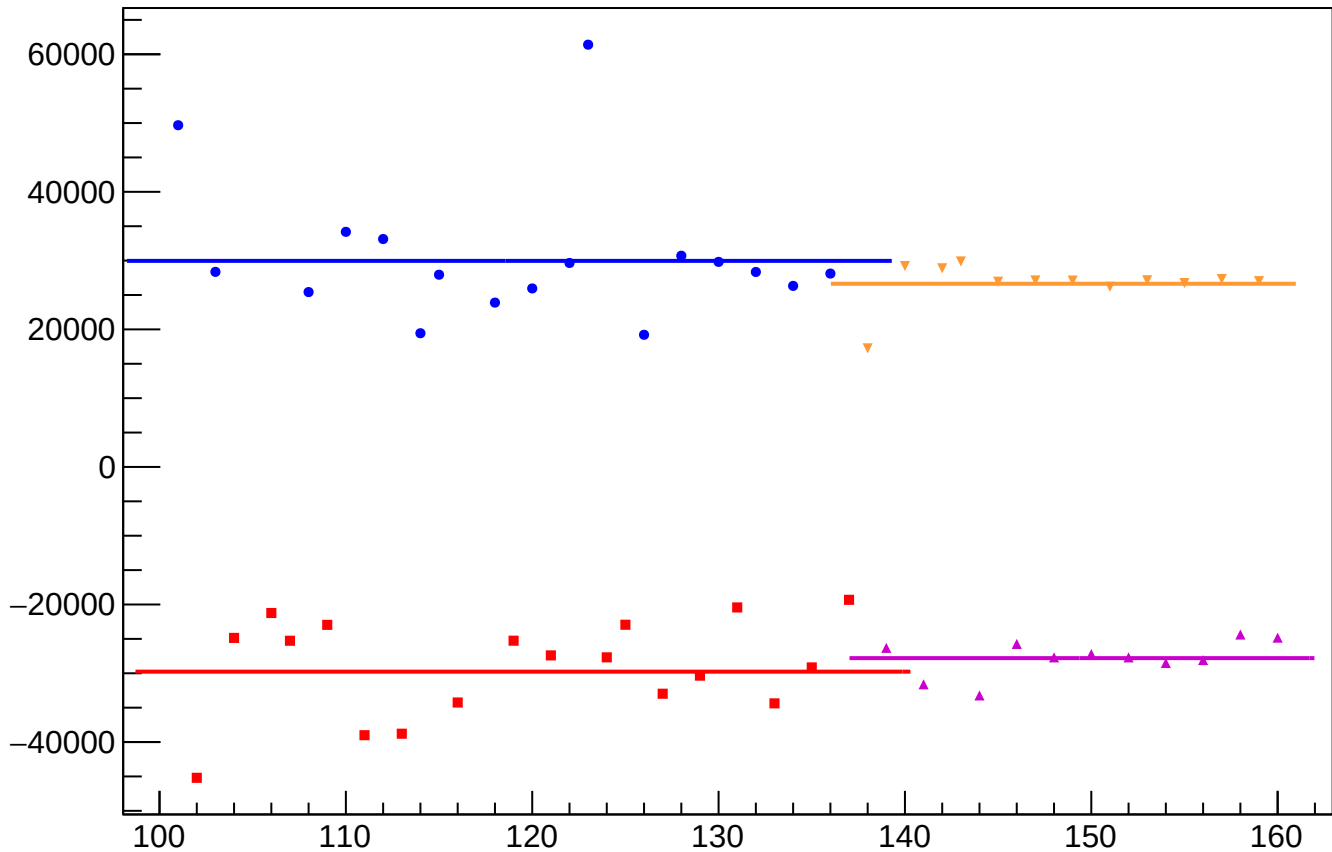
All: -19.321+/-0.000 χ^2/NDF : 108712362073

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

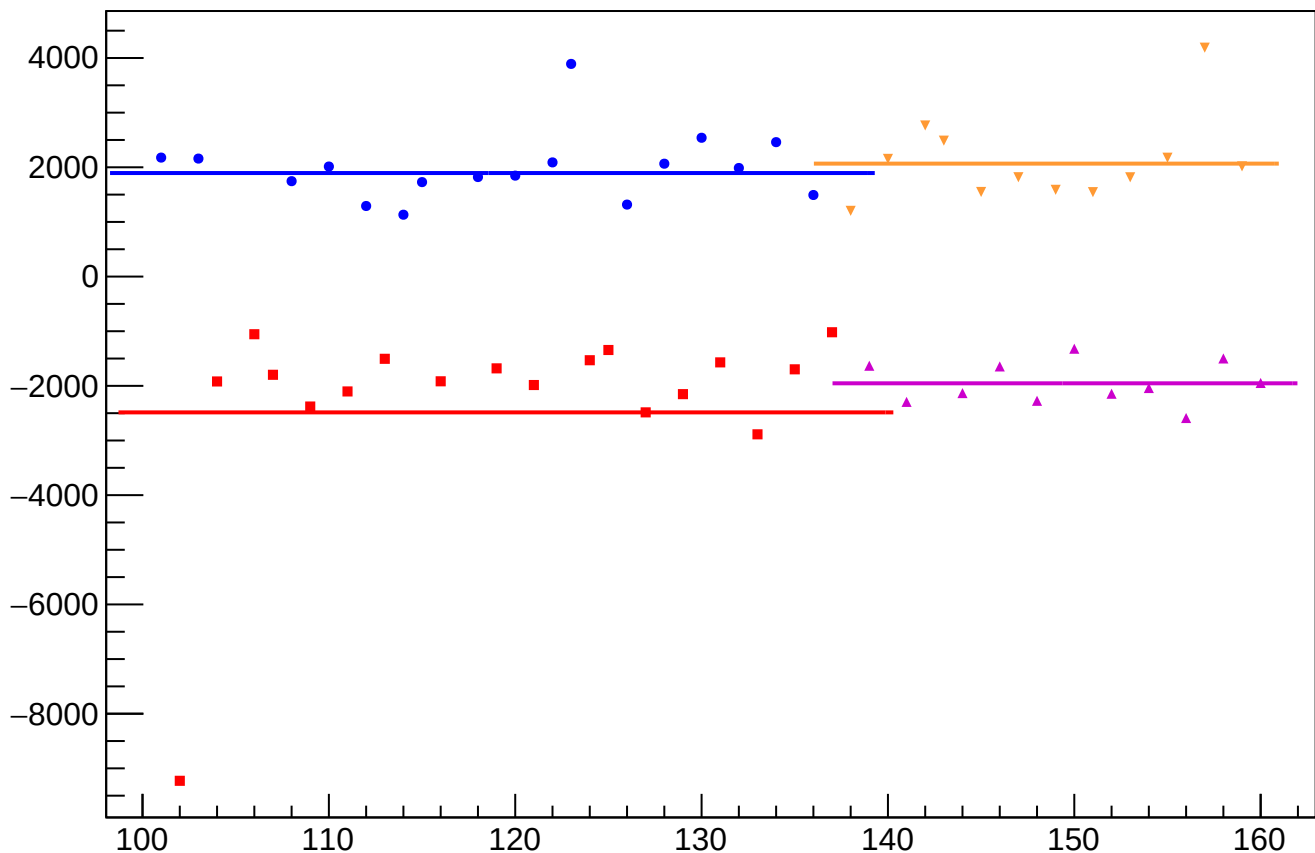
χ^2/NDF : 38095124017741211444799459233695721848832.0/17

Left In: -27798.105+/-0.000

χ^2/NDF : 6158980585091942758745963697527175774208.0/10

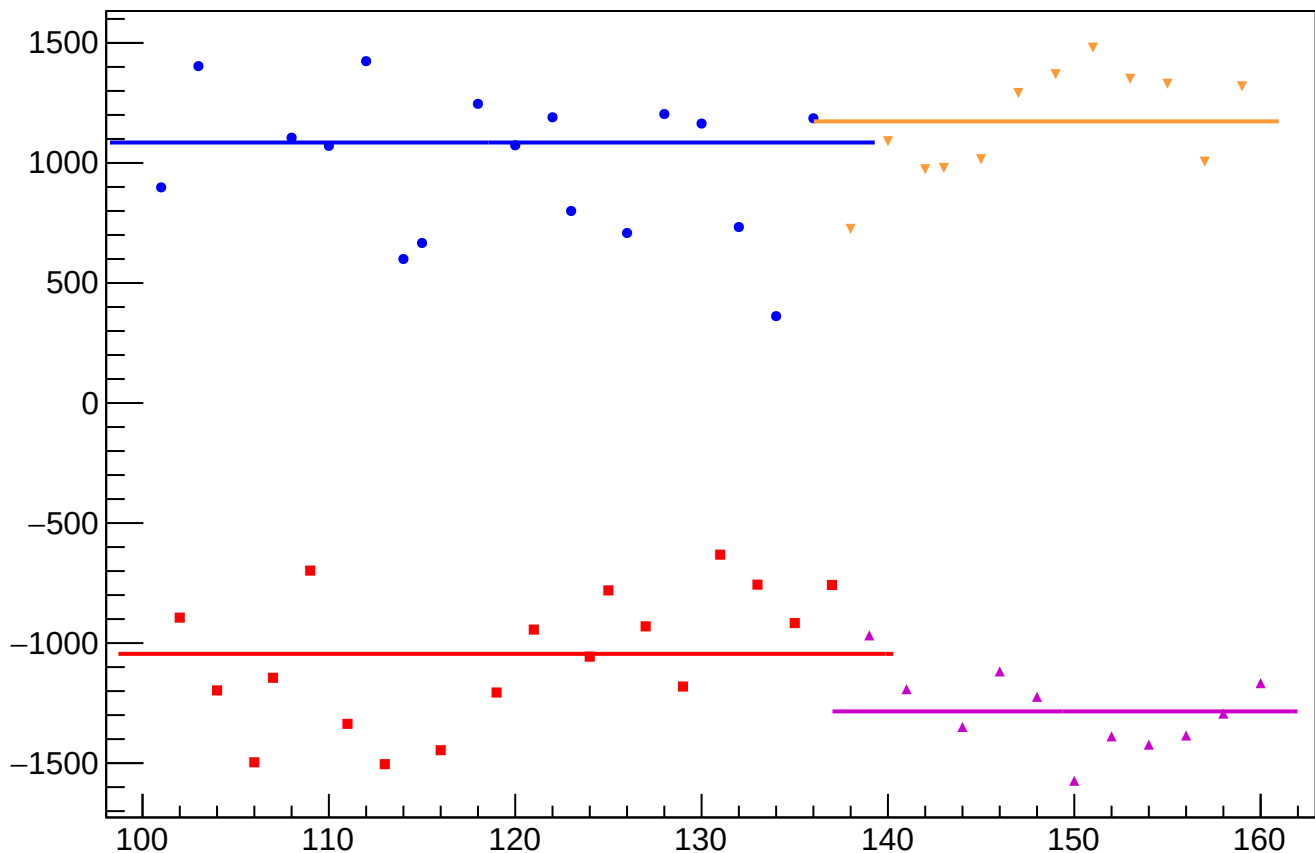
All: -681.504+/-0.000 χ^2/NDF : 27115939878

dit_atr2_coil4_err_mean vs Slug, Sign Corrected



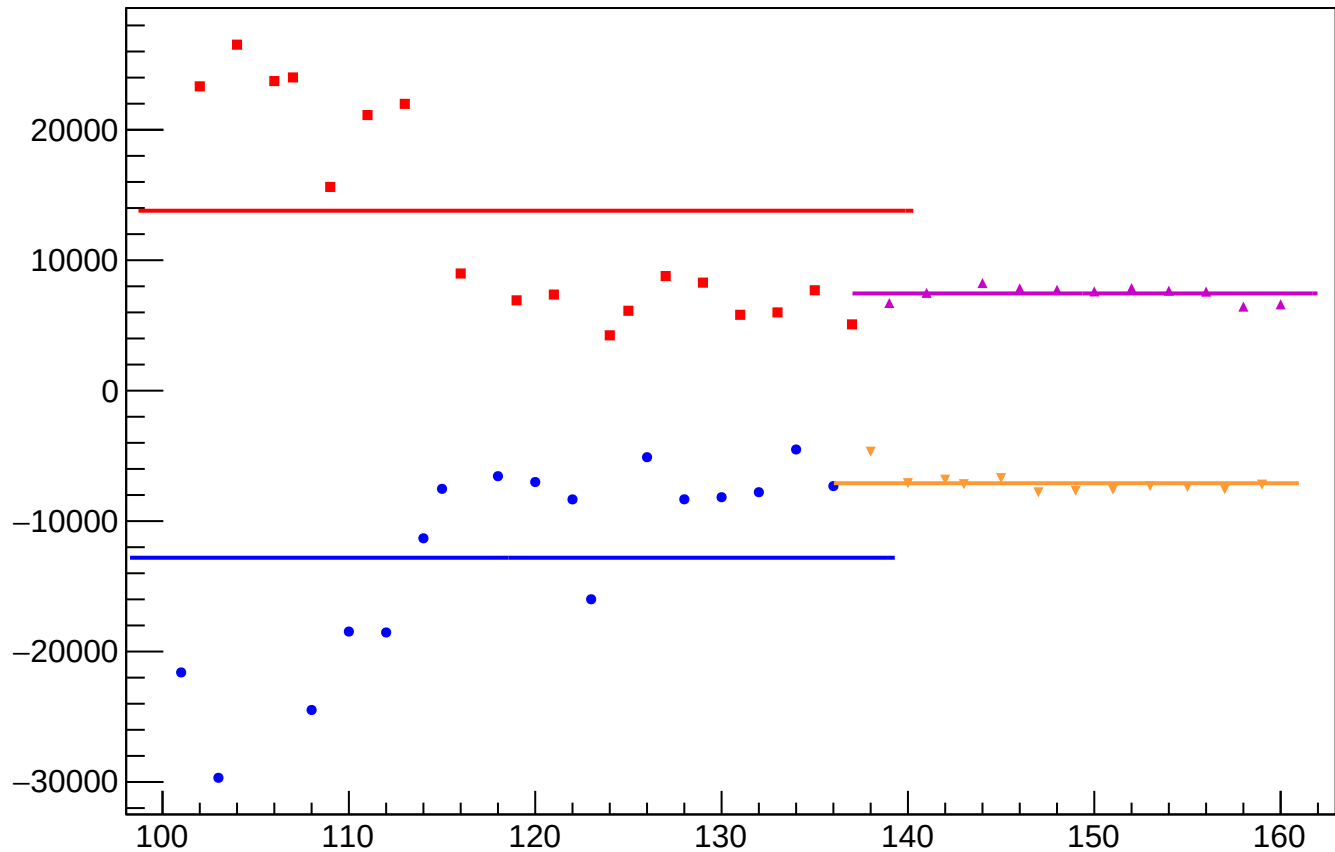
Right In: 1894.762+/-0.000 χ^2/NDF : 112136505207273757562412234872415322112.0/16
 Left Out: 2067.096+/-0.000 χ^2/NDF : 498951714500530031712915611537190682624.0/11
 Right Out: -2485.438+/-0.000 χ^2/NDF : 3007798896738182941908815432963258843136.0/17
 Left In: -1953.340+/-0.000 χ^2/NDF : 126893636747608035073836069635988914176.0/10
 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

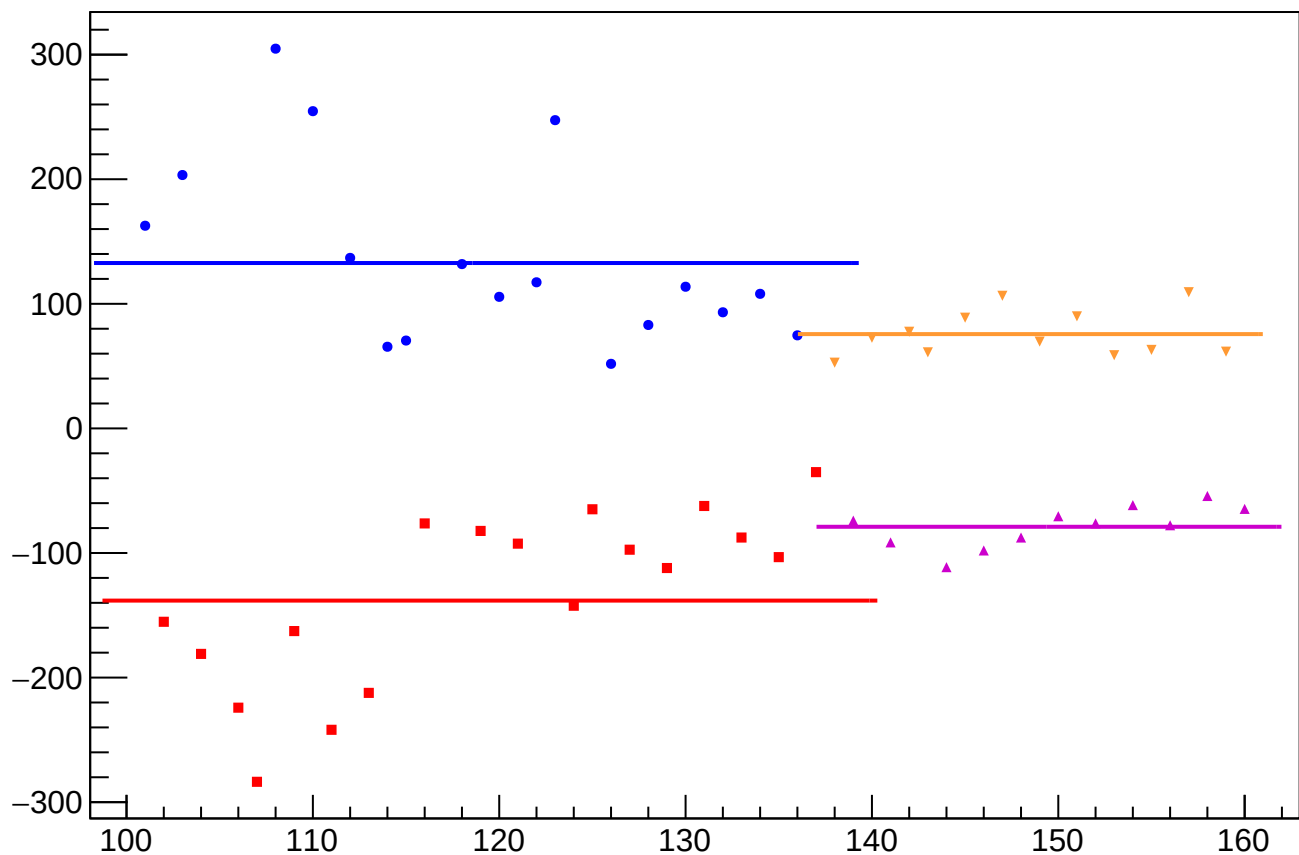
χ^2/NDF : 44540762371856662603320518030739625738240.0/17

Left In: 7453.581+/-0.000

χ^2/NDF : 281861545149716894658296806870620307456.0/10

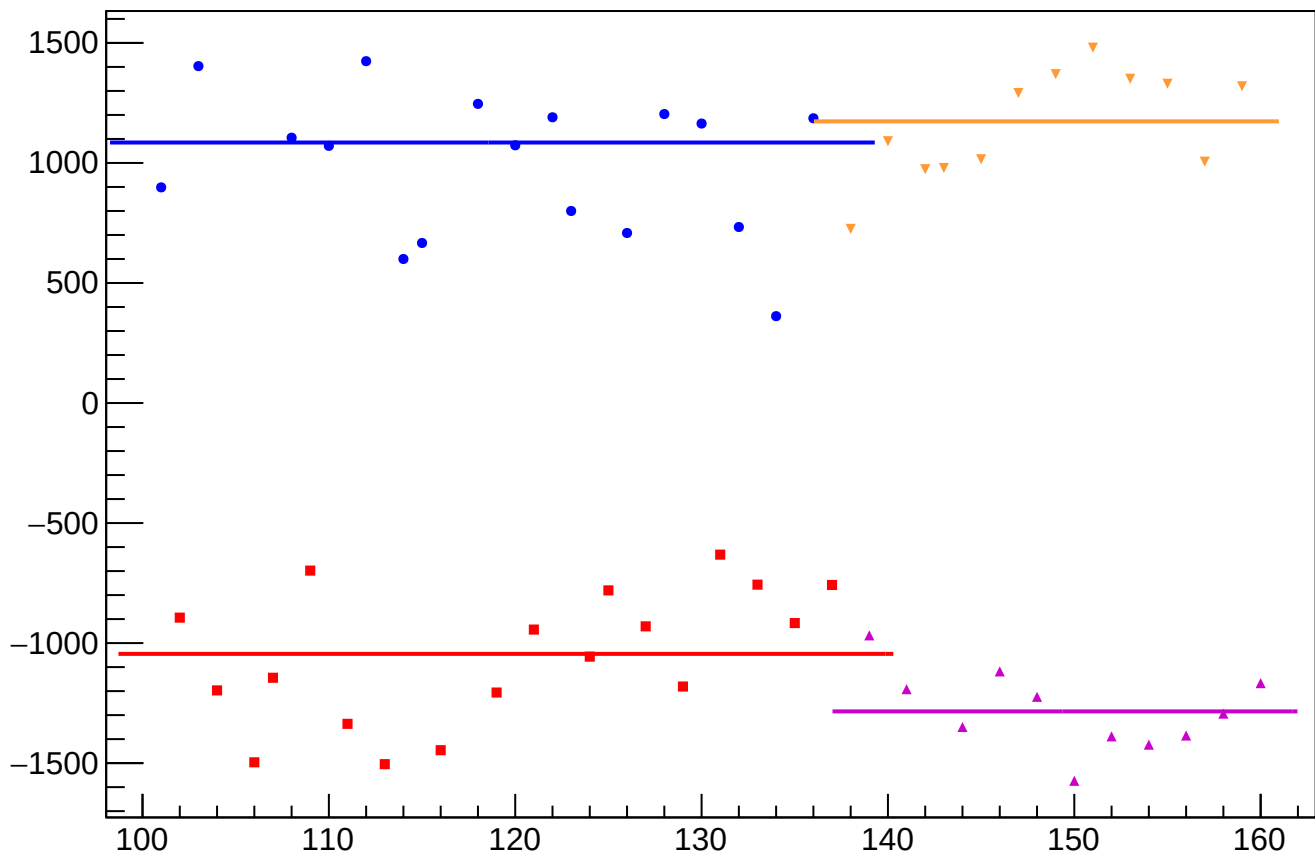
Left: 273.414+/-0.000 χ^2/NDF : 9833783800692671
 Right: 691.705+/-0.000 χ^2/NDF : 337256561899080
 In: -1188.840+/-0.000 χ^2/NDF : 207150417799296
 Out: 2101.283+/-0.000 χ^2/NDF : 219785724716291
 All: 454.703+/-0.000 χ^2/NDF : 435734081943

dit_sam1_coil4_err_mean vs Slug, Sign Corrected



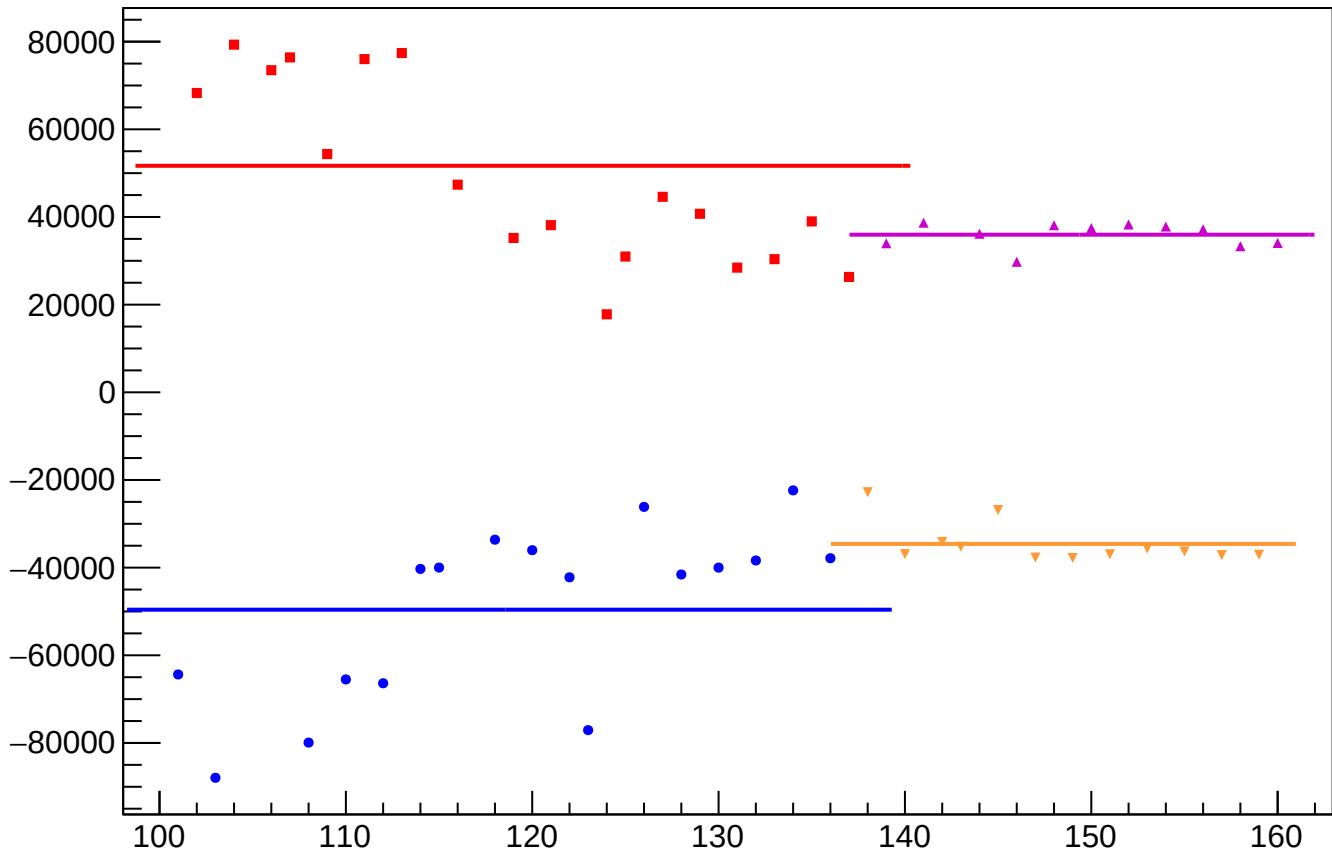
Left: -2.638 ± 0.000 $\chi^2/\text{NDF}: 11556362420616820$
 Right In: 132.743 ± 0.000 $\chi^2/\text{NDF}: 2974792347641490027349453247875121152.0/16$
 Right: -4.751 ± 0.000 $\chi^2/\text{NDF}: 3190255786857063$
 Left Out: 75.694 ± 0.000 $\chi^2/\text{NDF}: 299041397812904543240527879931428864.0/11$
 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
 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

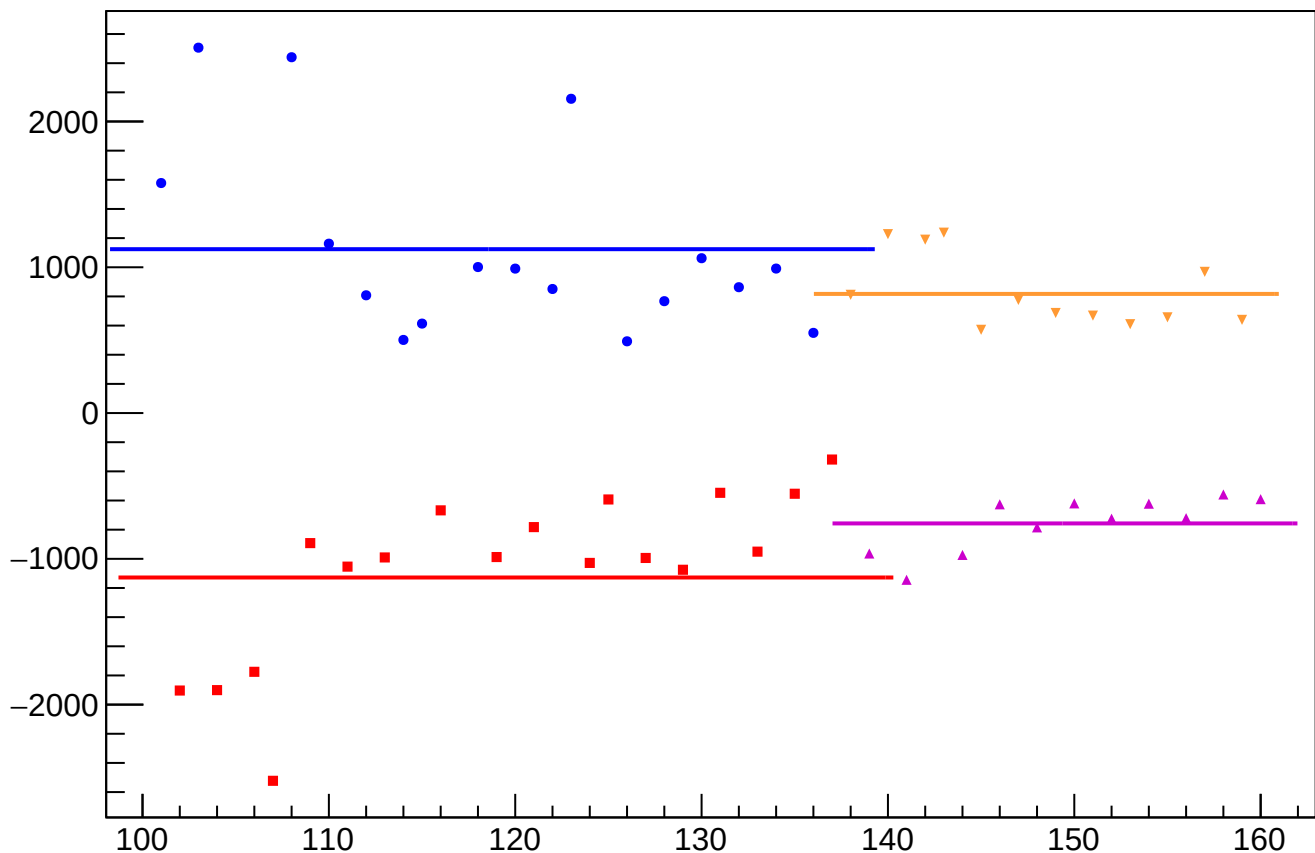
χ^2/NDF : 19332238764834112124747040225536159776768.0/11

χ^2/NDF : 268094403741805330481600683125097153691648.0/17

χ^2/NDF : 6460763561716039047552359643495482261504.0/10

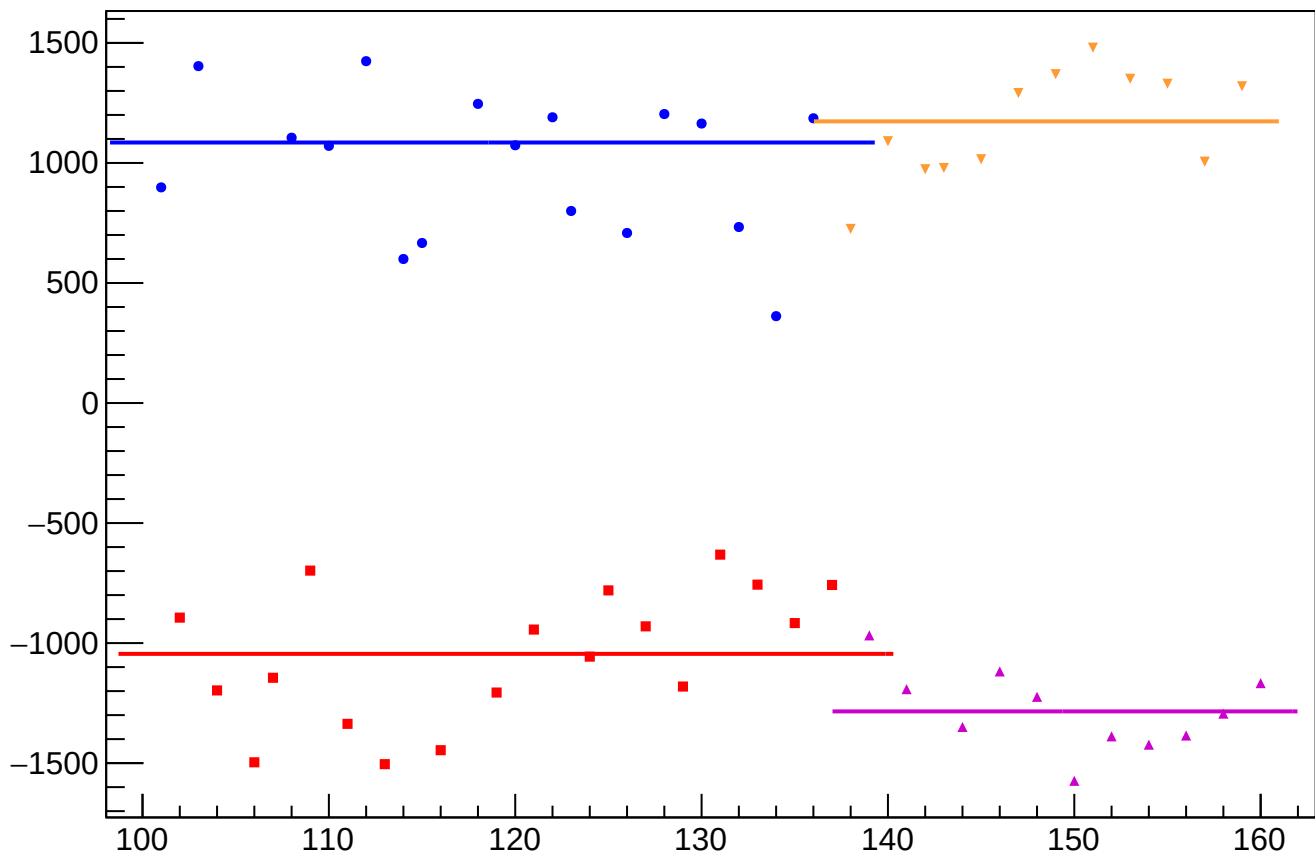
All: 1426.108+/-0.000 χ^2/NDF : 64466810883

dit_sam2_coil4_err_mean vs Slug, Sign Corrected



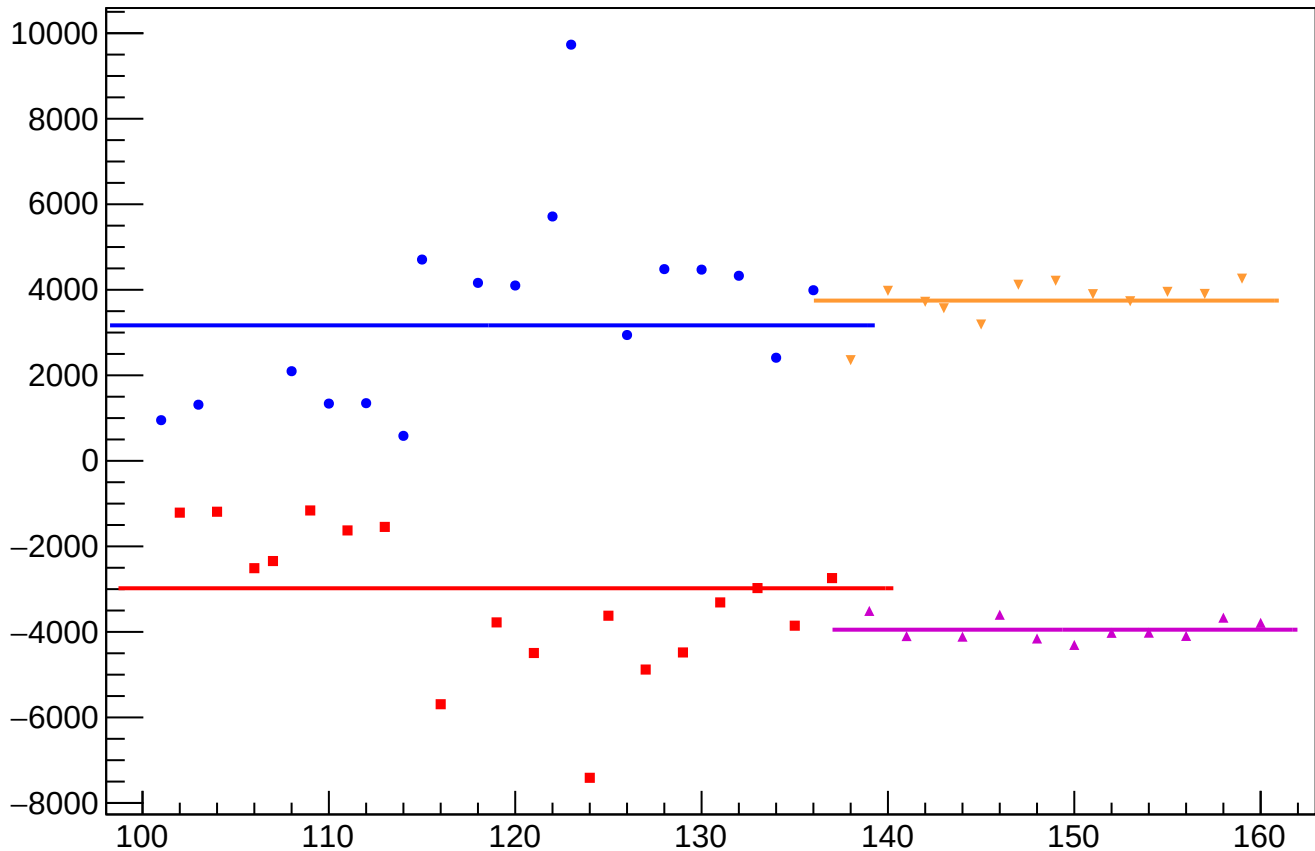
Left: 19.808+/-0.000 χ^2/NDF : 12219716222739218
 Right In: 1124.063+/-0.000 χ^2/NDF : 267842110554403806997651522470490931200.0/16
 Right: -18.777+/-0.000 χ^2/NDF : 227074266812784
 Left Out: 817.239+/-0.000 χ^2/NDF : 49942482269119198529888239758950268928.0/11
 In: 45.308+/-0.000 χ^2/NDF : 170703212048580297
 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



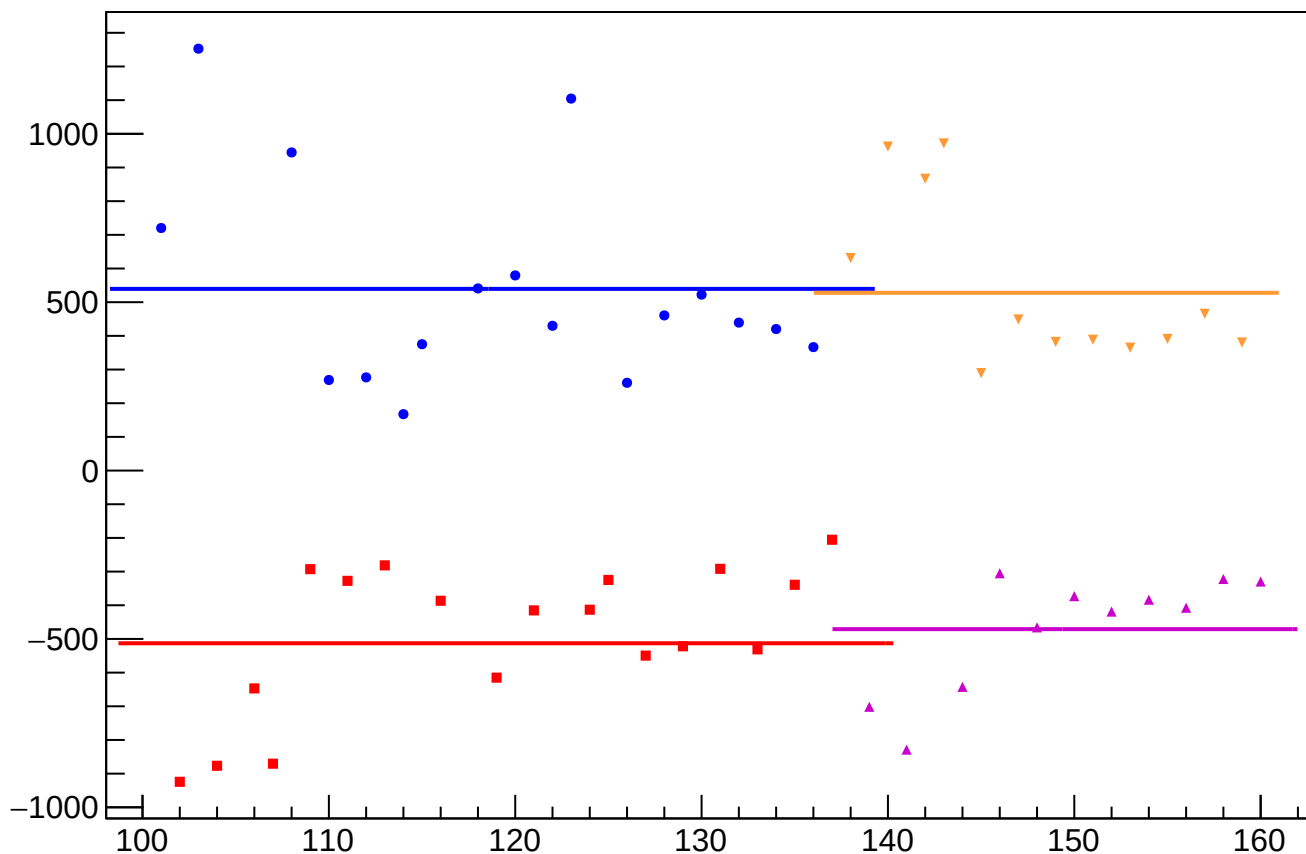
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 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

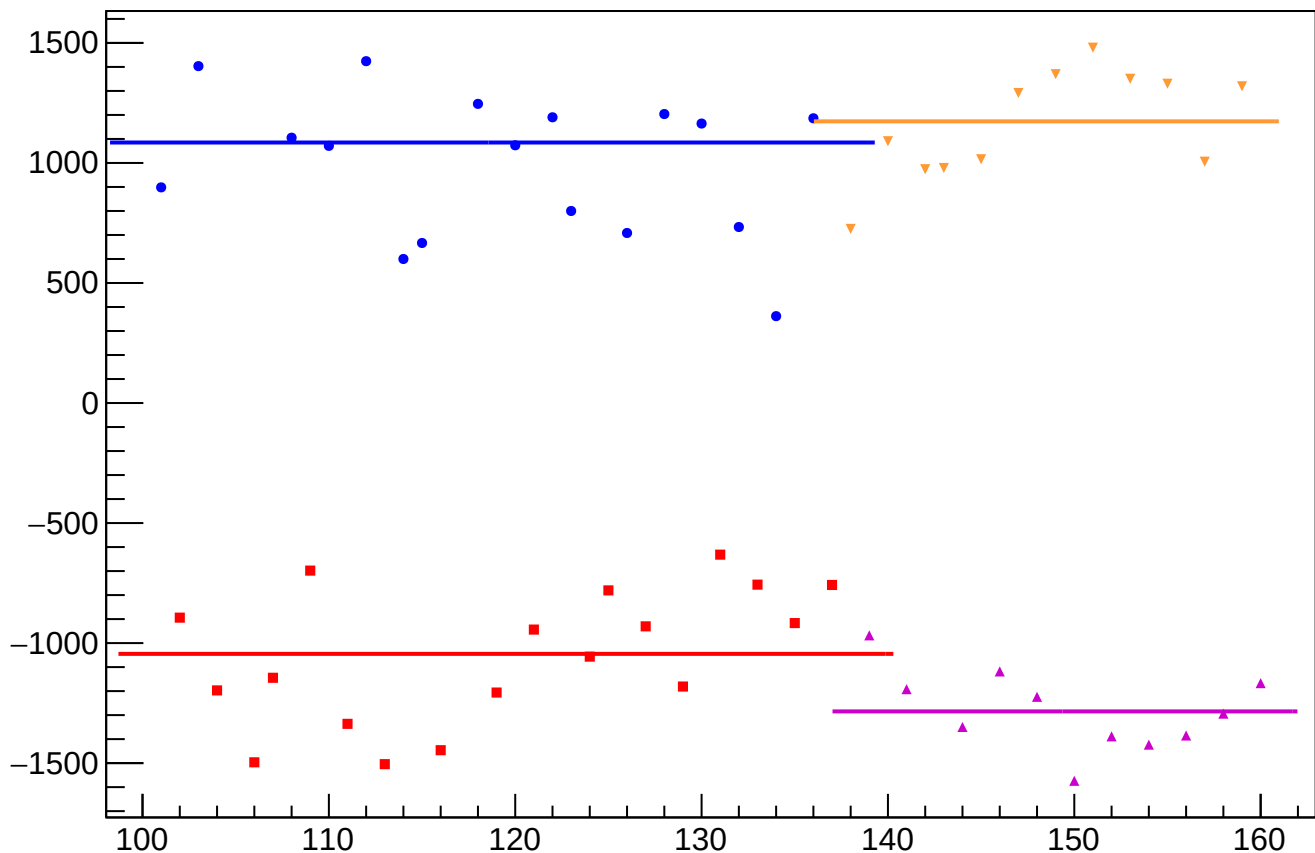
Left Out: 527.872+/-0.000 χ^2/NDF : 487501446117202302366636740746149888.0/11

Right Out: -512.868+/-0.000 χ^2/NDF : 36013592539821220444279901122721742848.0/17

Left In: -470.909+/-0.000 χ^2/NDF : 25659671763739065949342929962819125248.0/10

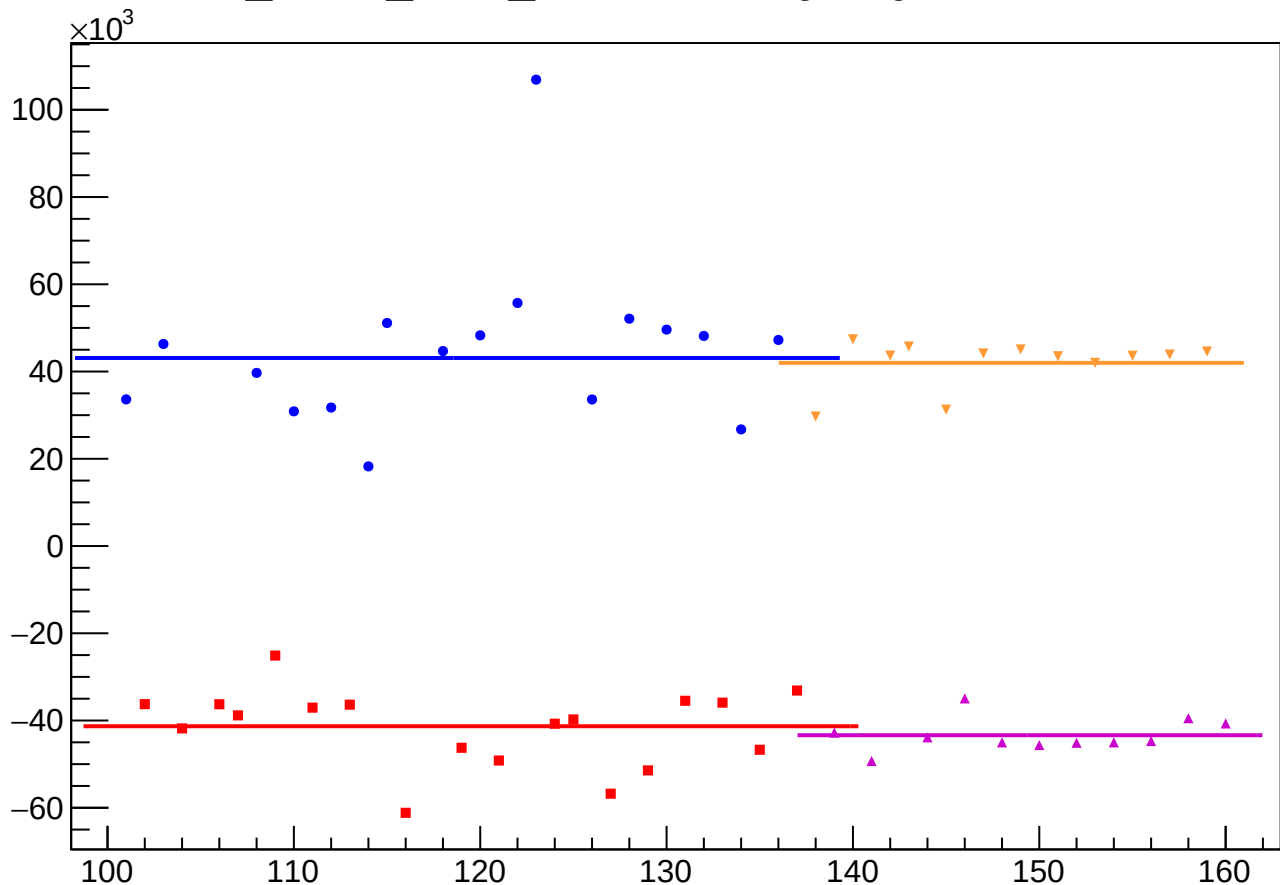
All: 14.834+/-0.000 χ^2/NDF : 1014887597497

dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected



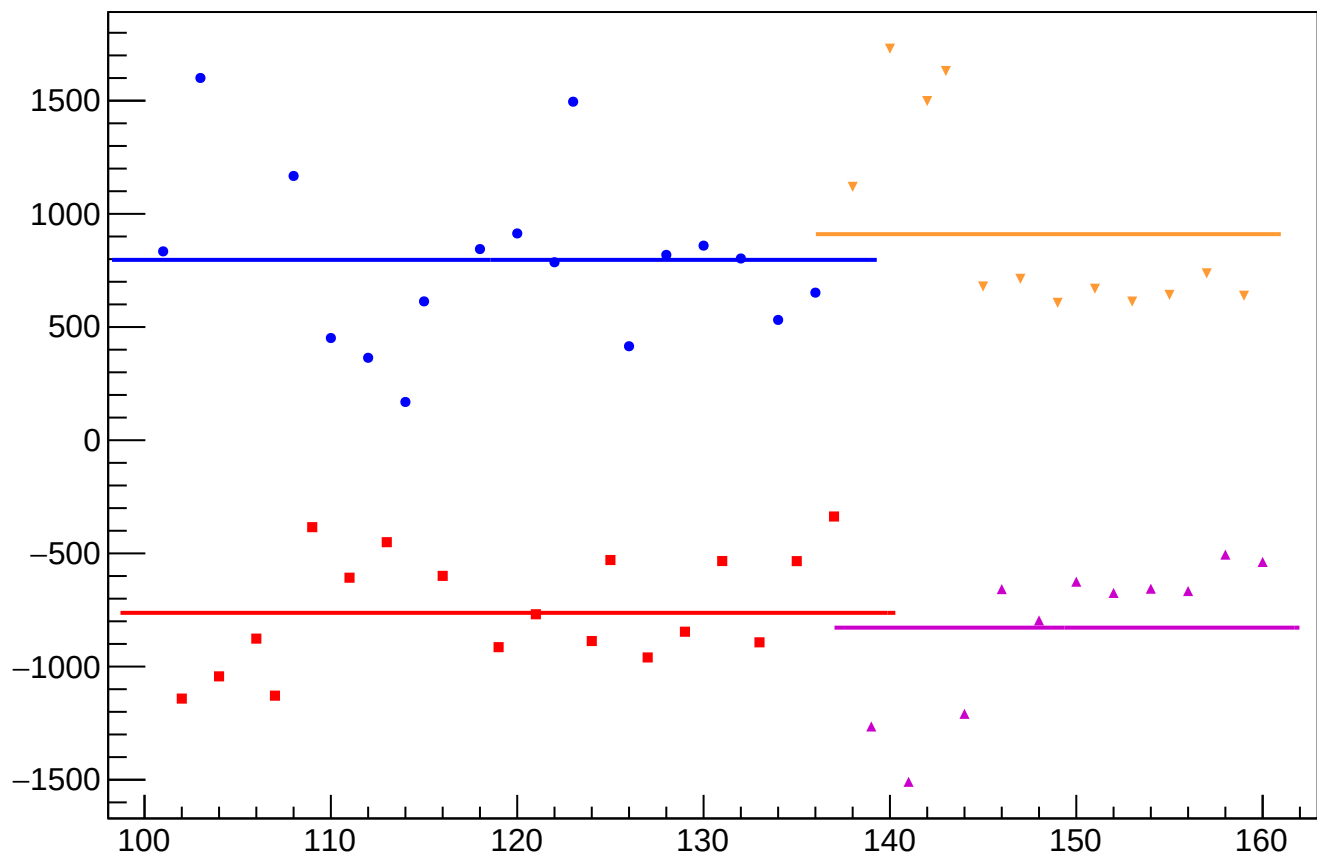
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam4_coil4_mean vs Slug, Sign Corrected



Right In: 43108.031+/-0.000	χ^2/NDF : 68611682581967867390827070514847106990080.0/16	Left: -1248.063+/-0.000	χ^2/NDF : 33936130306512
Left Out: 41988.937+/-0.000	χ^2/NDF : 26595625315184876661727332300070884212736.0/11	Right: 268.355+/-0.000	χ^2/NDF : 263013865606150
Right Out: -41313.091+/-0.000	χ^2/NDF : 51625009130500845485657820618169448923136.0/17	In: -6484.267+/-0.000	χ^2/NDF : 305712030076605
Left In: -43372.857+/-0.000	χ^2/NDF : 12091187656502960448848492579917477707776.0/10	Out: 5313.475+/-0.000	χ^2/NDF : 285534325864429
	All: -590.839+/-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

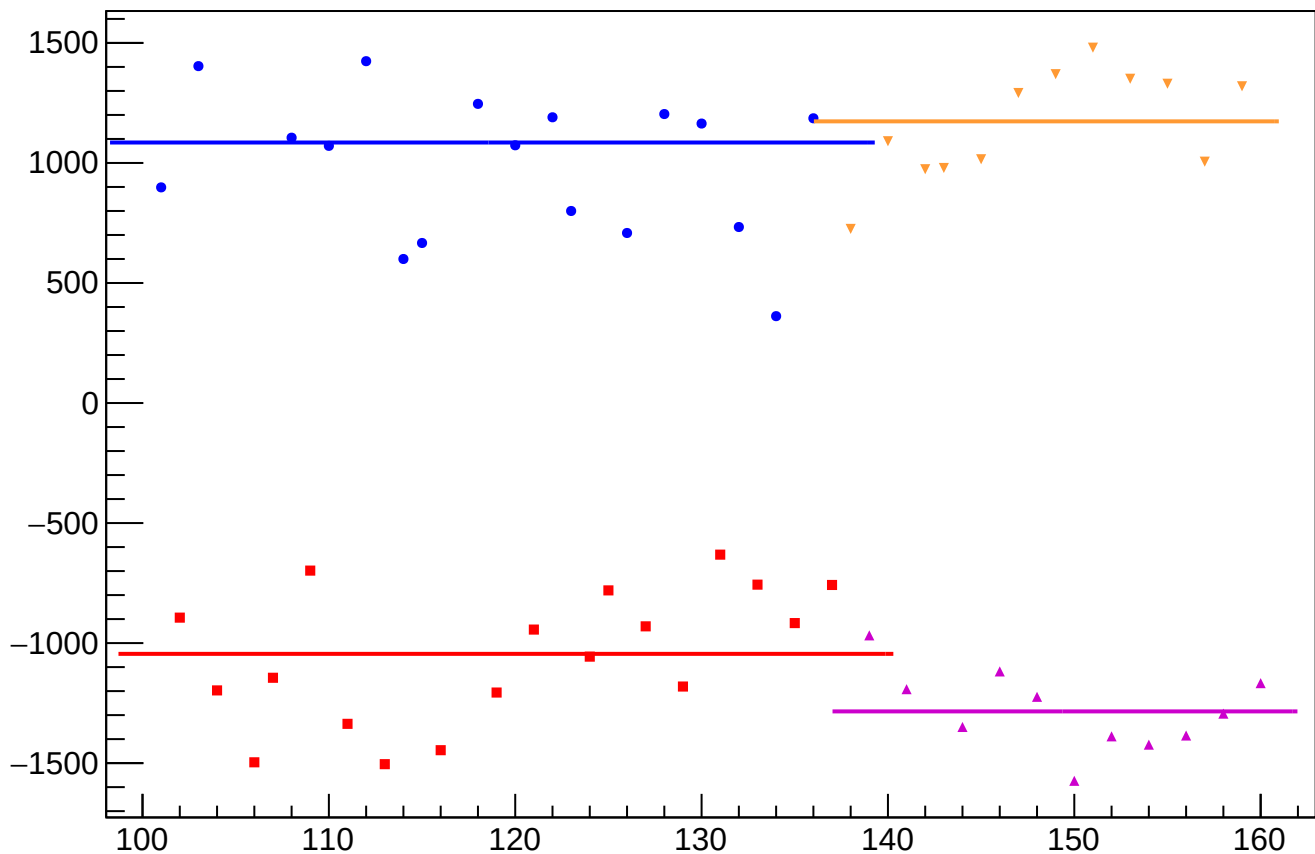
Right: 5.452+/-0.000 χ^2/NDF : 97557276782002116

In: -134.971+/-0.000 χ^2/NDF : 1221040409142343

Out: 173.788+/-0.000 χ^2/NDF : 1315178496887645

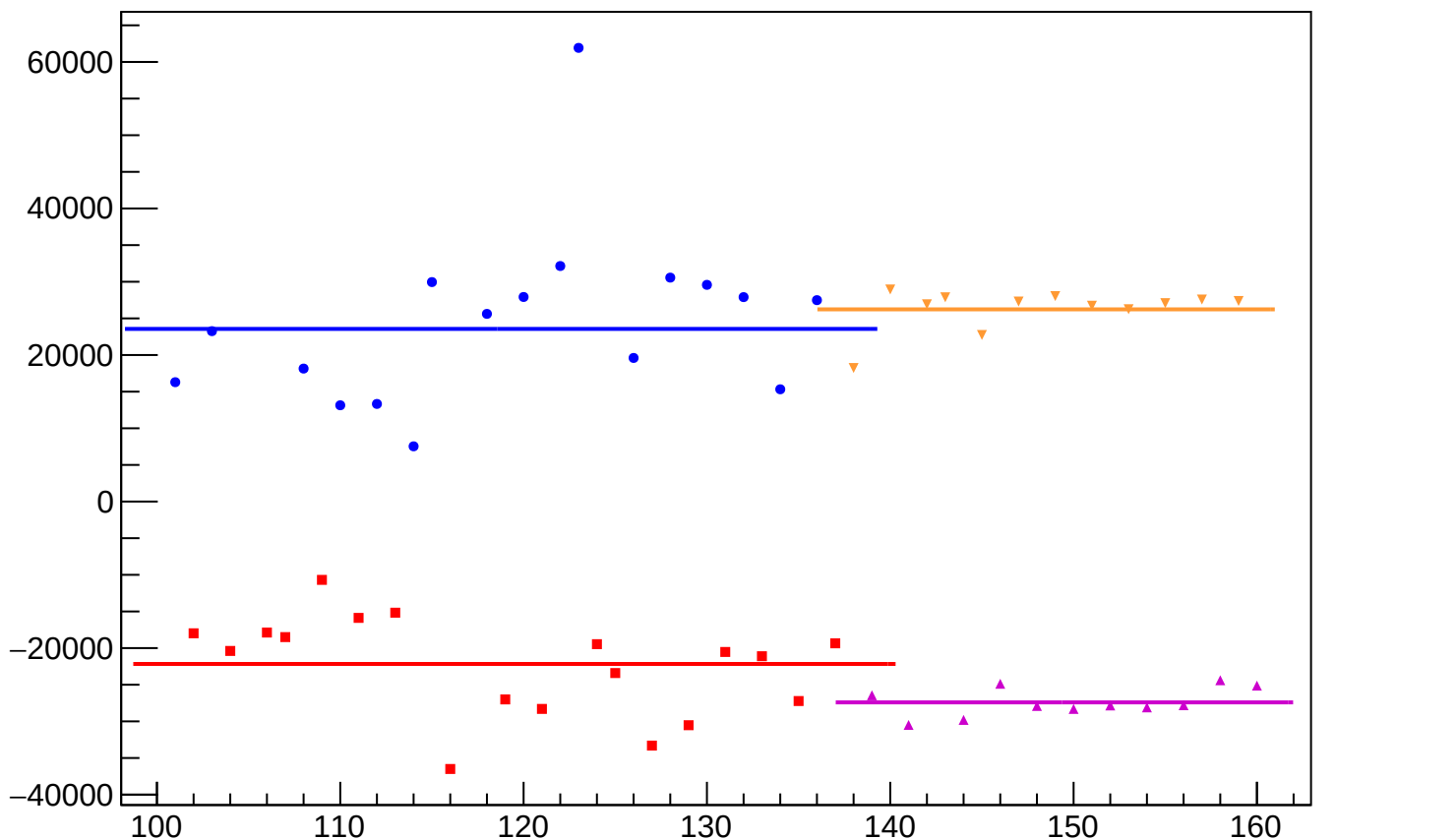
All: 19.266+/-0.000 χ^2/NDF : 2613699813863

dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected



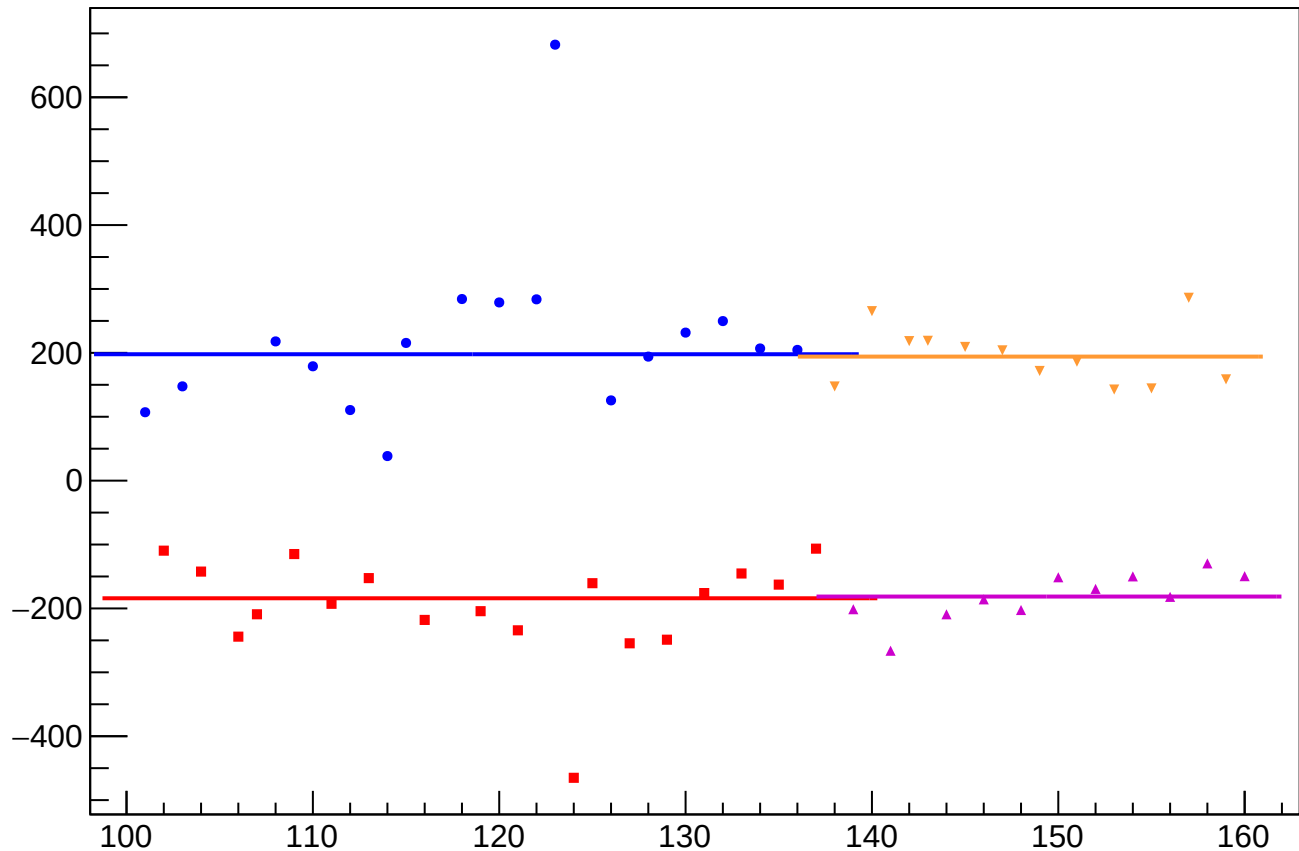
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam5_coil4_mean vs Slug, Sign Corrected



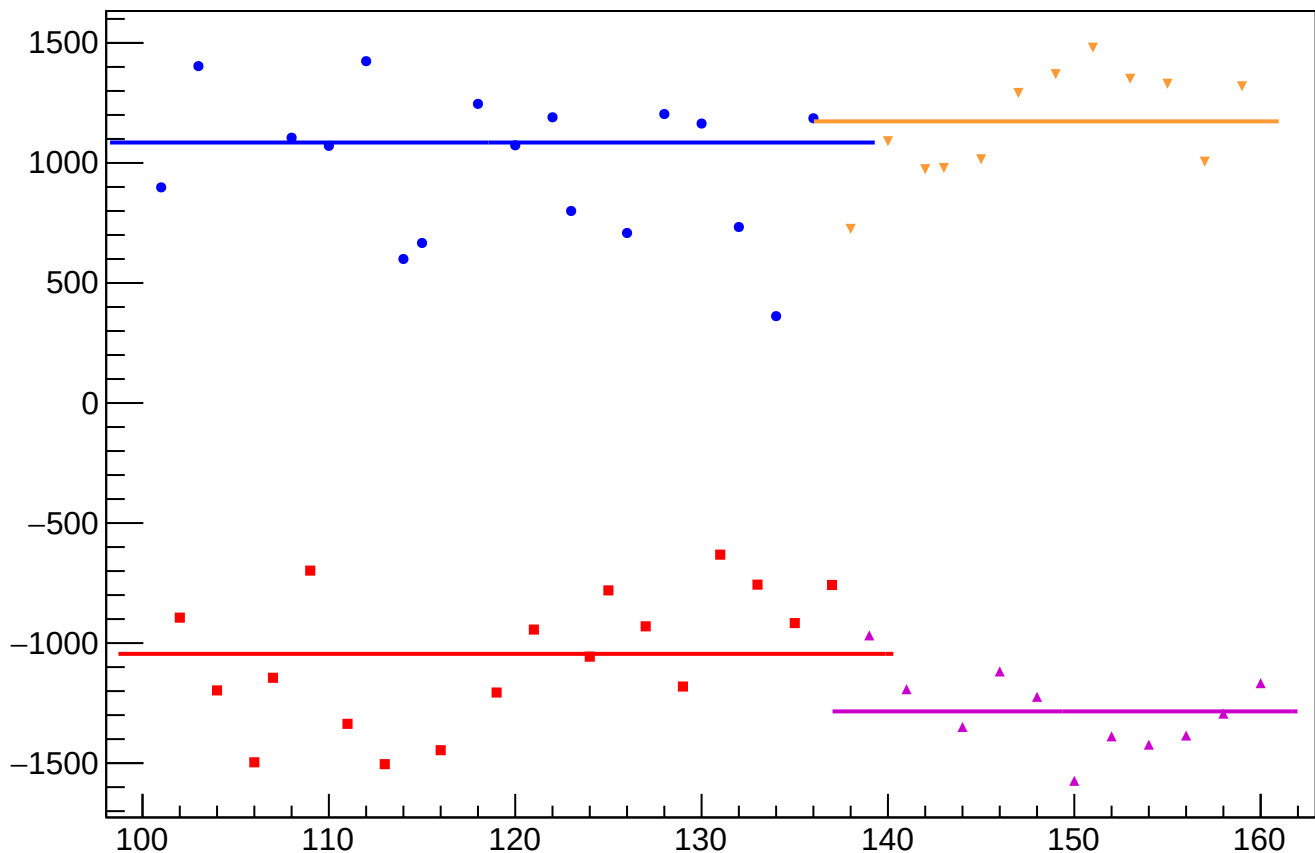
Right In: 23563.217+/-0.000 χ^2/NDF : 35385807137271018817625418232540839280640.0/16
 Left Out: 26232.941+/-0.000 χ^2/NDF : 7436306383754098156934386282018195374080.0/11
 Right Out: -22162.506+/-0.000 χ^2/NDF : 30926817479017578857864317291139006726144.0/17
 Left In: -27409.308+/-0.000 χ^2/NDF : 3260068033865796960082272162296933384192.0/10
 All: -375.411+/-0.000 χ^2/NDF : 21395474548

dit_sam5_coil4_err_mean vs Slug, Sign Corrected



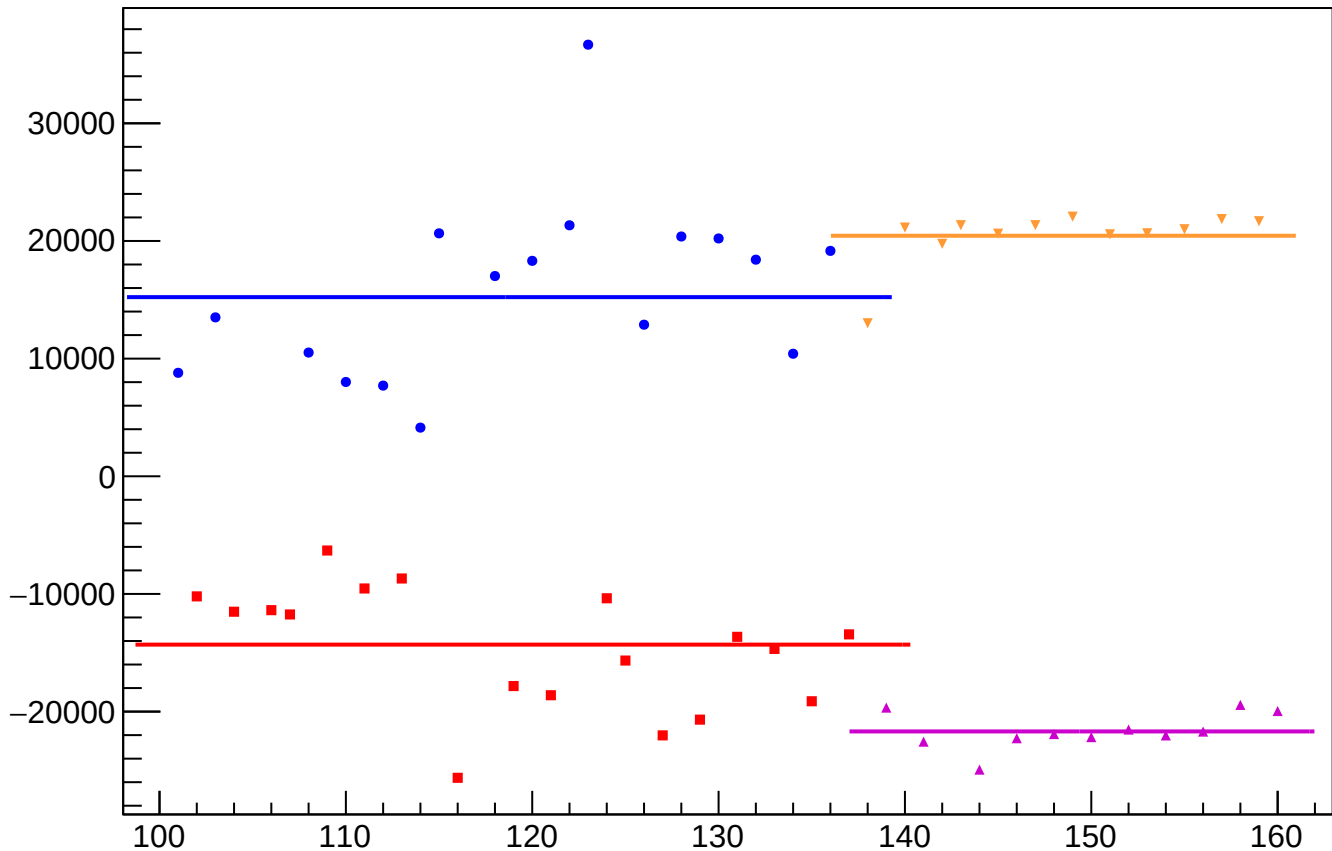
Left: 3.922 +/- 0.000 χ^2/NDF : 680547634341242532
 Right: 4.020 +/- 0.000 χ^2/NDF : 57684682342329380
 In: -19.639 +/- 0.000 χ^2/NDF : 62079772857917457
 Out: 27.612 +/- 0.000 χ^2/NDF : 61845128959738000
 All: 3.965 +/- 0.000 χ^2/NDF : 12573945346954

dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186 ± 0.000 $\chi^2/\text{NDF}: 44603059371113642027482174752630505472.0/16$
 Left Out: 1173.287 ± 0.000 $\chi^2/\text{NDF}: 42540290412411971649148526900629471232.0/11$
 Right Out: -1044.852 ± 0.000 $\chi^2/\text{NDF}: 50845956393664427375382832394046275584.0/17$
 Left In: -1284.540 ± 0.000 $\chi^2/\text{NDF}: 24056417049221053484728394918859374592.0/10$
 All: -38.729 ± 0.000 $\chi^2/\text{NDF}: 454584232037$

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

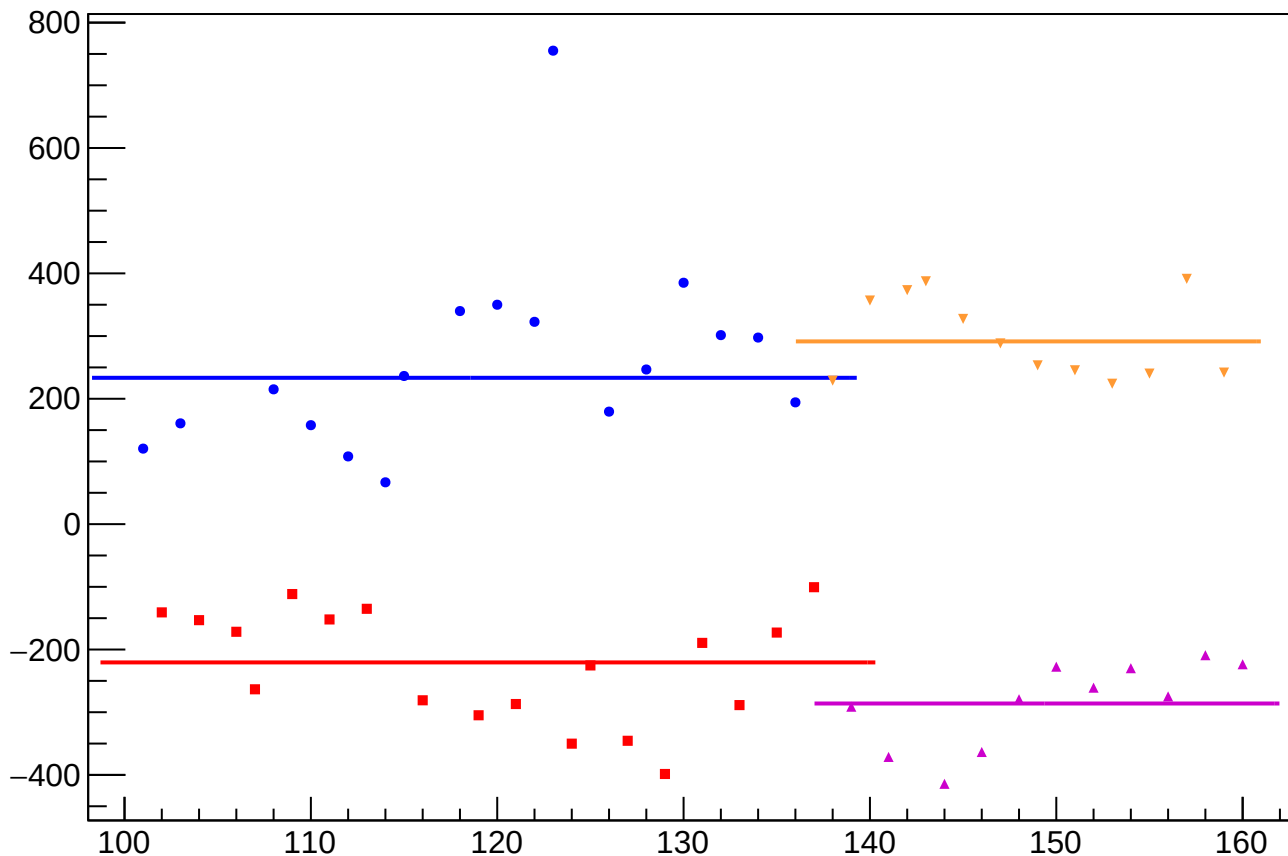
χ^2/NDF : 17986620092143727991108175714996656799744.0/17

Left In: -21685.940+/-0.000

χ^2/NDF : 2061414370106068569162415723838611390464.0/10

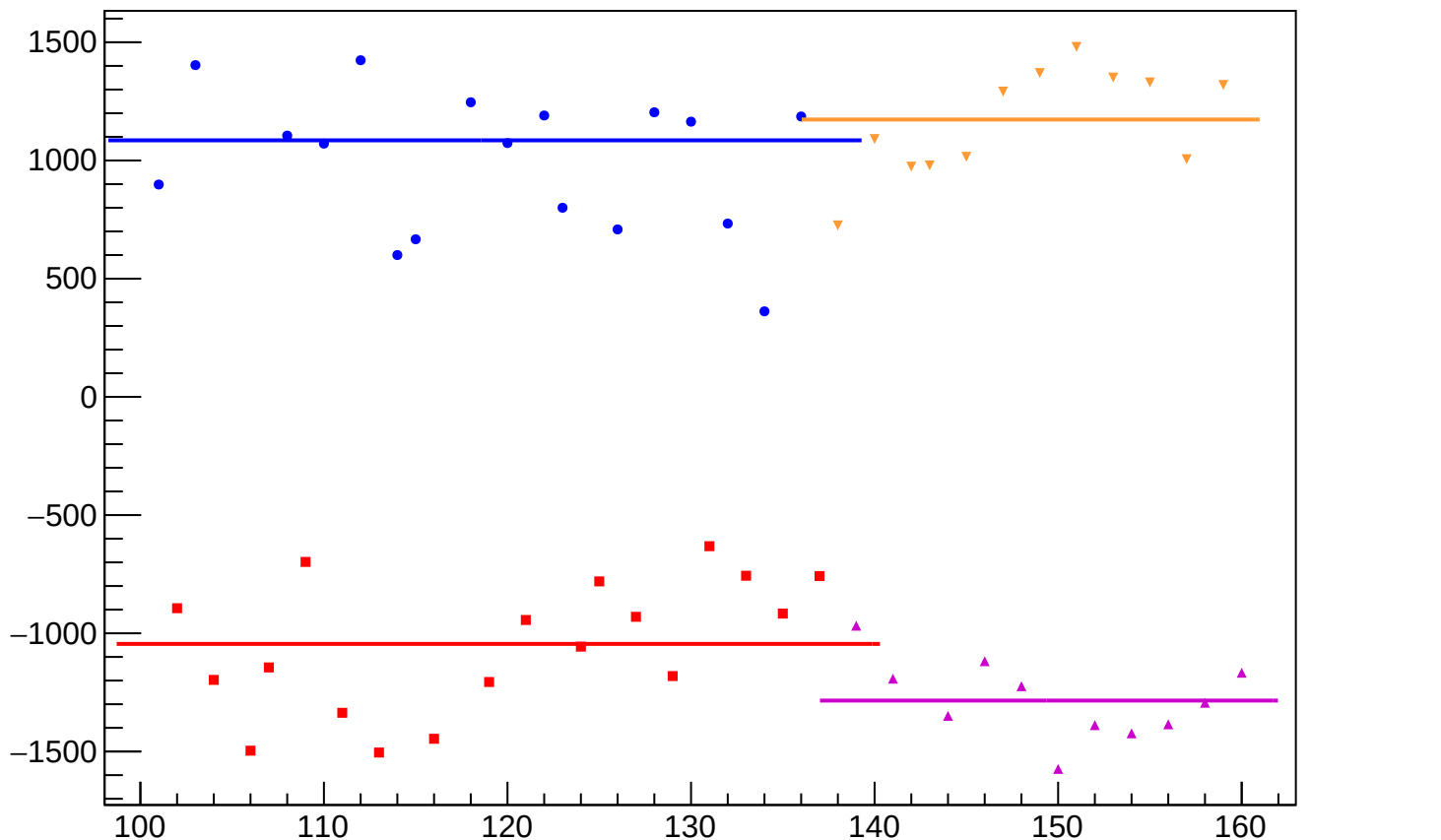
All: -403.653+/-0.000 χ^2/NDF : 11695762959

dit_sam6_coil4_err_mean vs Slug, Sign Corrected



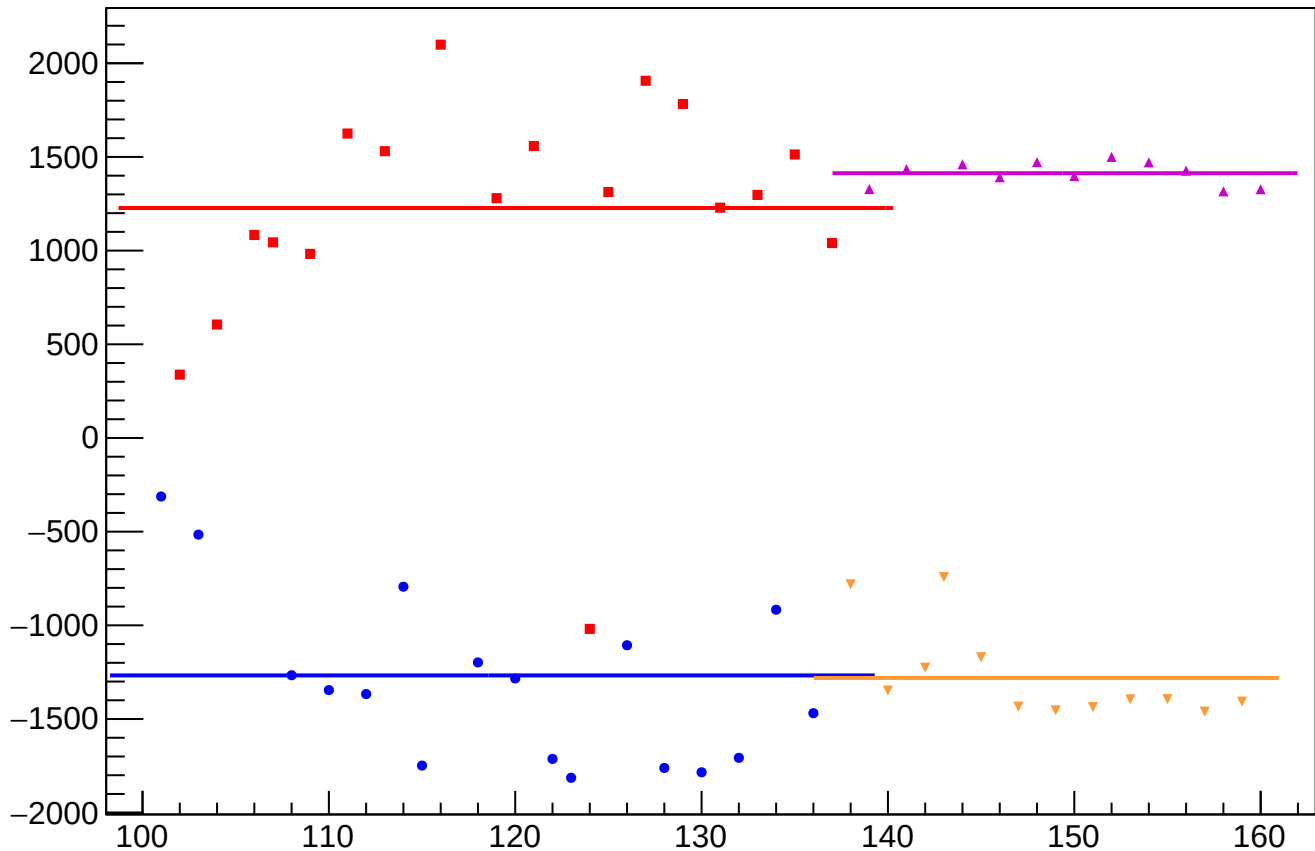
Right In: 233.427 $\pm$ 0.000 χ^2 /NDF: 6632421375389201944932770217893822464.0/16
 Left Out: 291.492 $\pm$ 0.000 χ^2 /NDF: 3496936665449814929425245861490720768.0/11
 Right Out: -220.559 $\pm$ 0.000 χ^2 /NDF: 5383695019108554854360648047063465984.0/17
 Left In: -286.089 $\pm$ 0.000 χ^2 /NDF: 4047639086763227768293546604548325376.0/10
 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

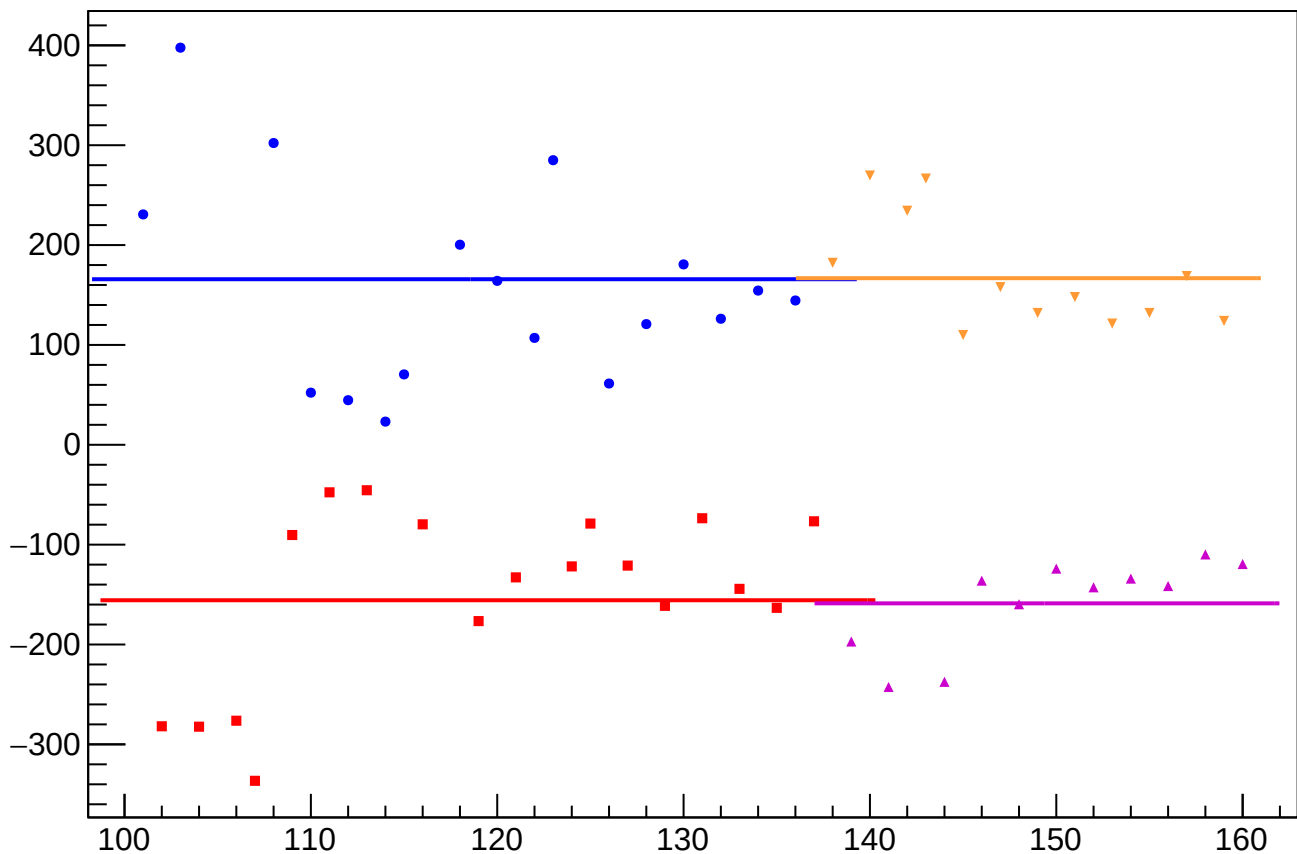
Right: -1.298+/-0.000 χ^2/NDF : 2551370593421750

In: 269.783+/-0.000 χ^2/NDF : 30078924023770430

Out: -176.539+/-0.000 χ^2/NDF : 278481258910852

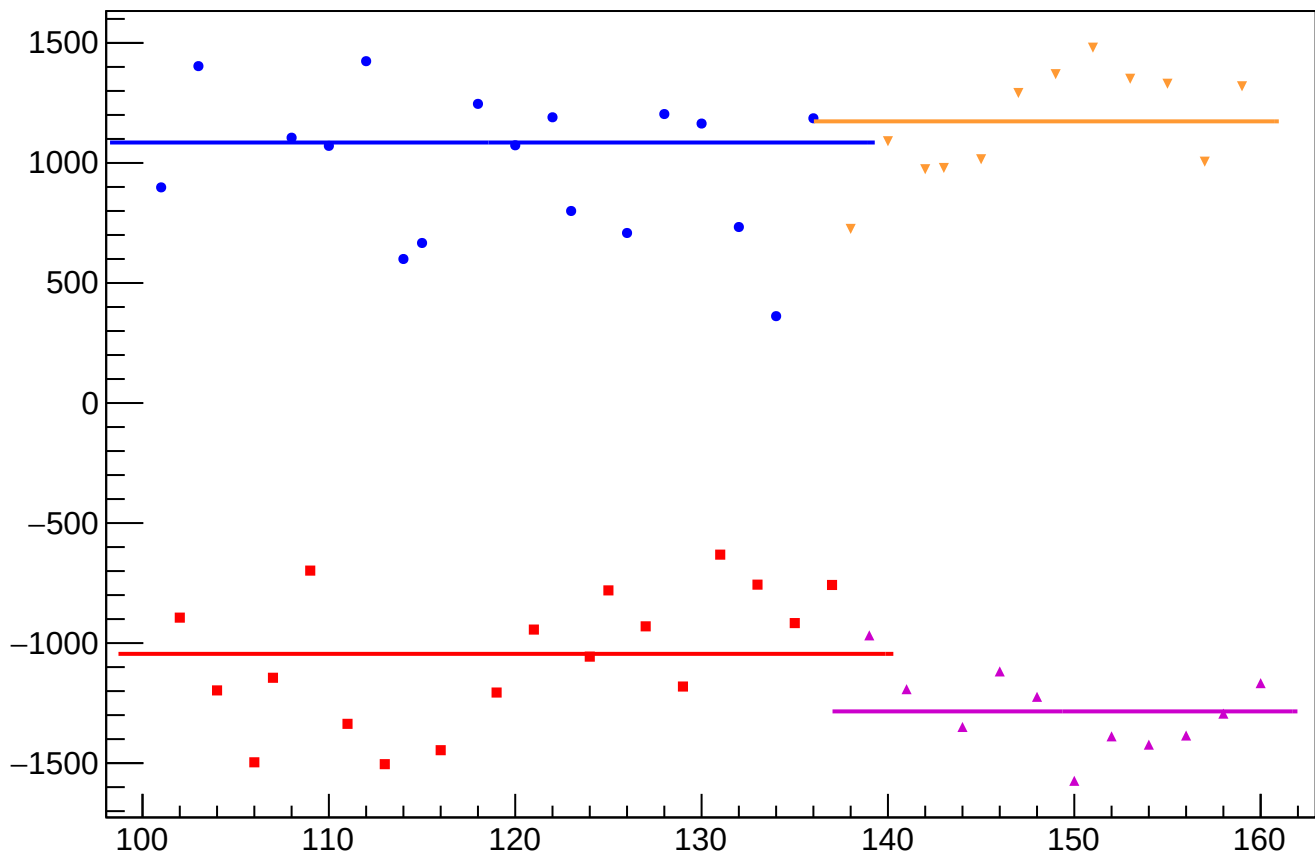
All: 46.827+/-0.000 χ^2/NDF : 5954607405275

dit_sam7_coil4_err_mean vs Slug, Sign Corrected



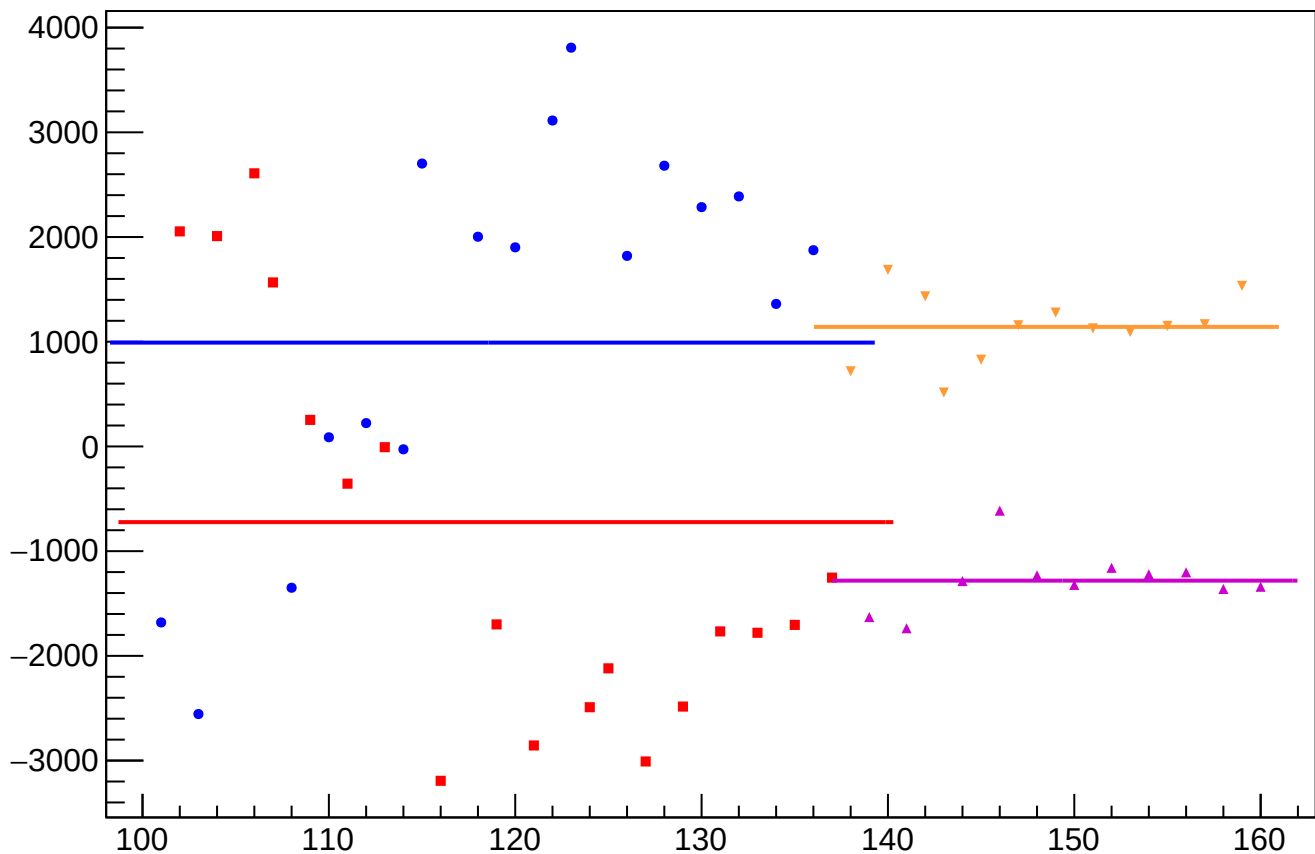
Right In: 165.791 $\pm$ 0.000 χ^2 /NDF: 6599926309722586861325010177468923904.0/16
 Left Out: 166.830 $\pm$ 0.000 χ^2 /NDF: 2570249887219169860921416363043454976.0/11
 Right Out: -155.674 $\pm$ 0.000 χ^2 /NDF: 5506170000172026486696305926028132352.0/17
 Left In: -158.786 $\pm$ 0.000 χ^2 /NDF: 1841518274242064728634139939665084416.0/10
 All: 2.231 $\pm$ 0.000 χ^2 /NDF: 10172834754963

dit_sam7_coil4_Ndata_mean vs Slug, Sign Corrected



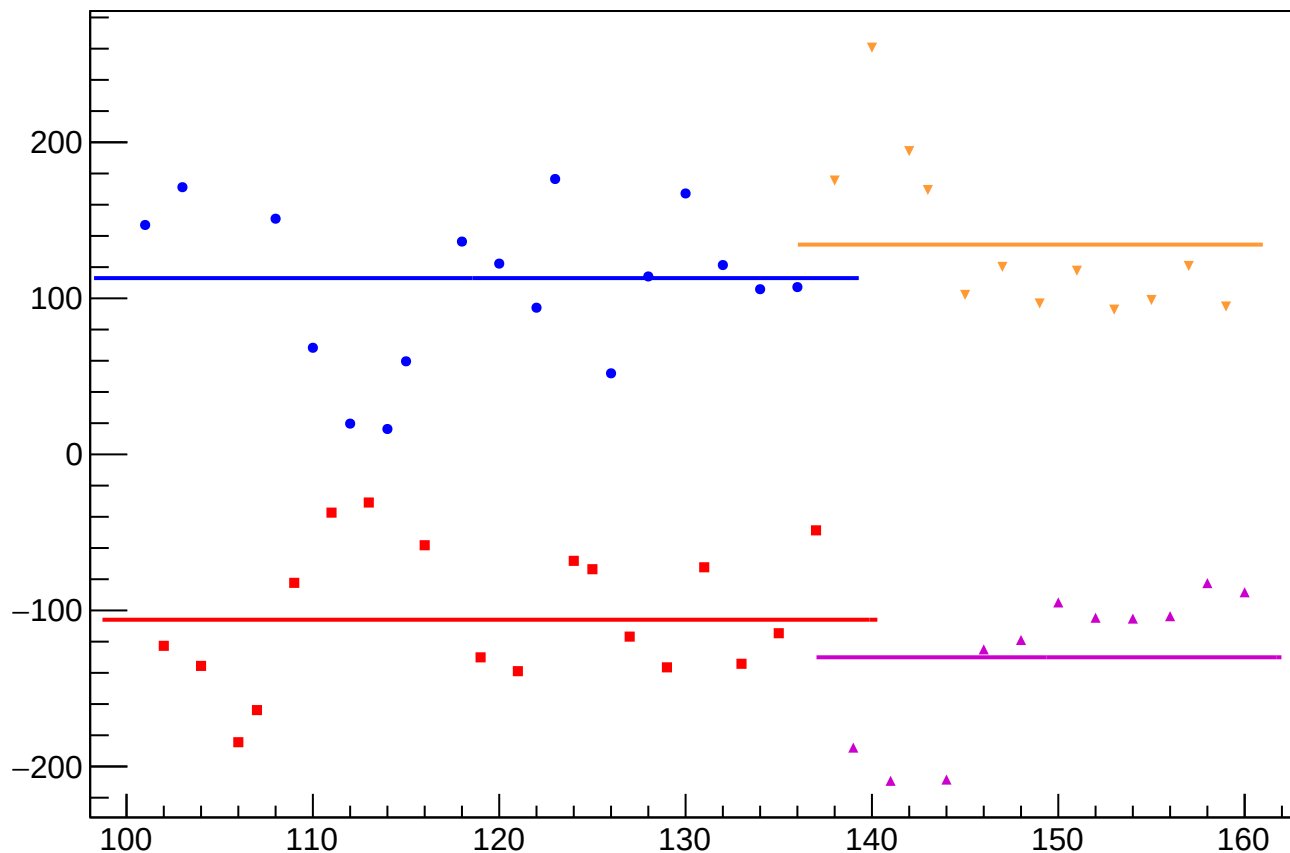
Right In: 1085.186 ± 0.000 $\chi^2/\text{NDF}: 44603059371113642027482174752630505472.0/16$
 Left Out: 1173.287 ± 0.000 $\chi^2/\text{NDF}: 42540290412411971649148526900629471232.0/11$
 Right Out: -1044.852 ± 0.000 $\chi^2/\text{NDF}: 50845956393664427375382832394046275584.0/17$
 Left In: -1284.540 ± 0.000 $\chi^2/\text{NDF}: 24056417049221053484728394918859374592.0/10$
 All: -38.729 ± 0.000 $\chi^2/\text{NDF}: 454584232037$

dit_sam8_coil4_mean vs Slug, Sign Corrected



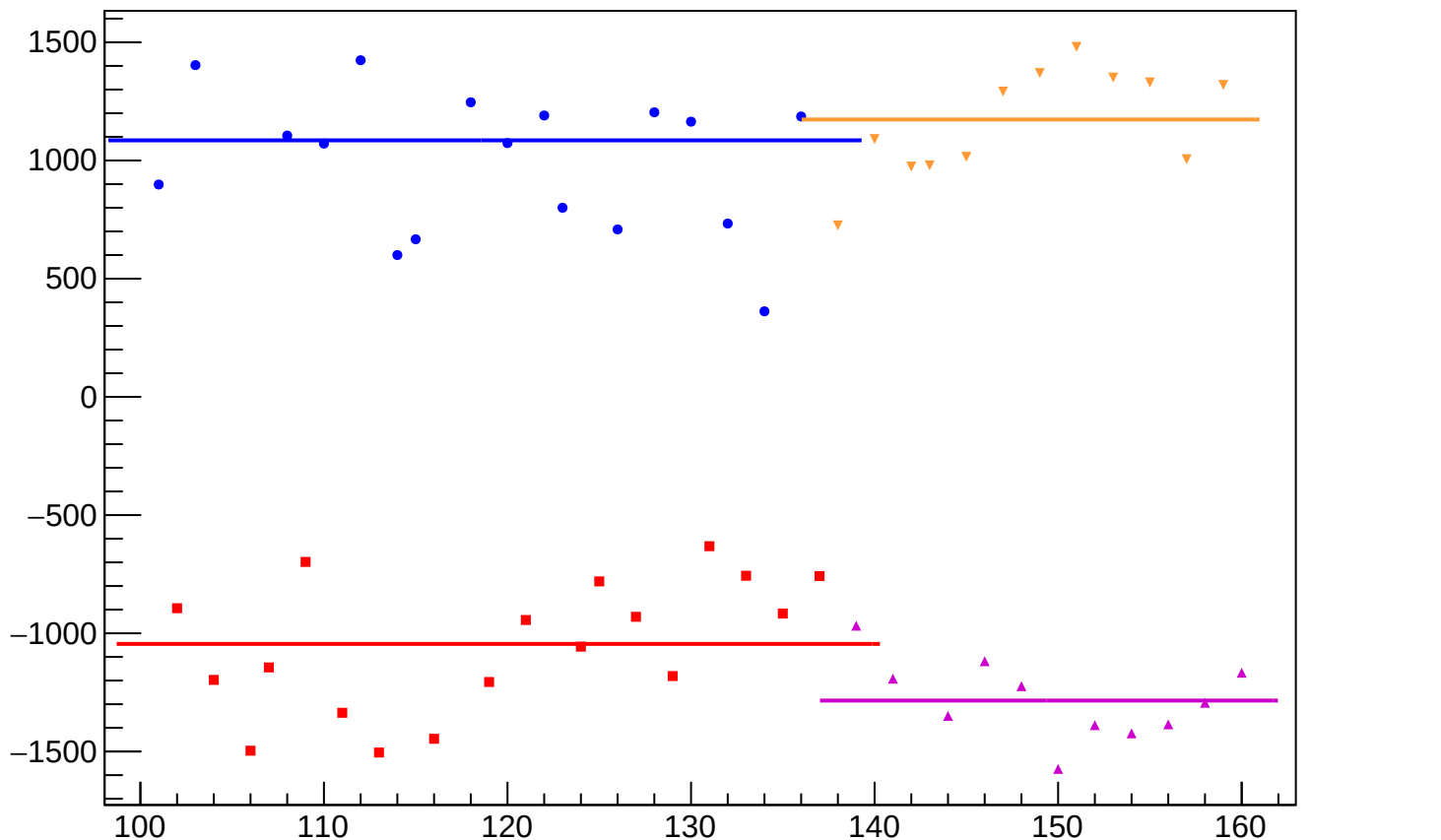
Left: -85.739 +/- 0.000 χ^2/NDF : 2862110400754288
 Right: 121.634 +/- 0.000 χ^2/NDF : 566197373113021
 In: -311.972 +/- 0.000 χ^2/NDF : 4320980741523032
 Out: 320.831 +/- 0.000 χ^2/NDF : 3911978133635369
 All: 4.137 +/- 0.000 χ^2/NDF : 85584155447109

dit_sam8_coil4_err_mean vs Slug, Sign Corrected



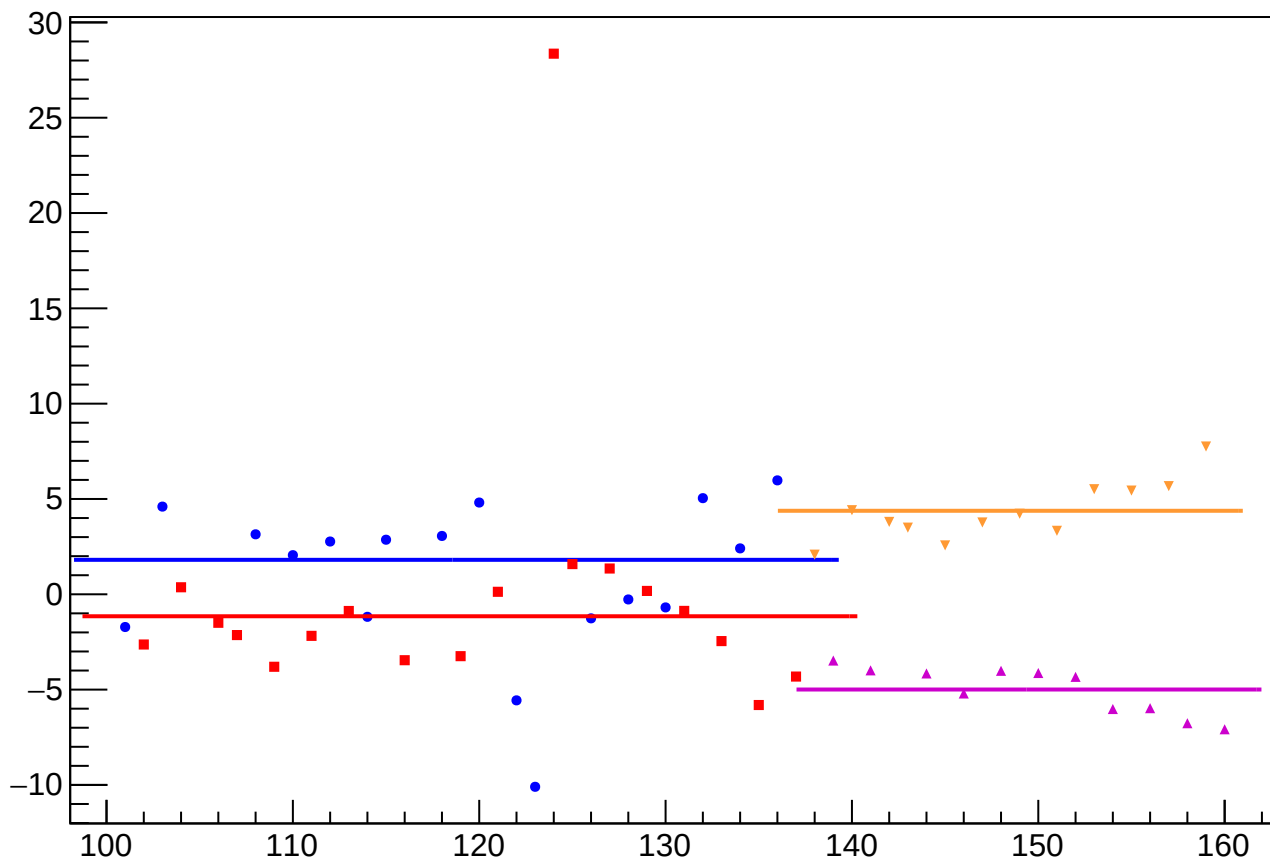
Right In: 112.967 $\pm$ 0.000 χ^2 /NDF: 1352482381635393188272506664826961920.0/16
 Left Out: 134.431 $\pm$ 0.000 χ^2 /NDF: 2310662516274369890170239716283121664.0/11
 Right Out: -105.949 $\pm$ 0.000 χ^2 /NDF: 1242528444706792757388488213889286144.0/17
 Left In: -130.030 $\pm$ 0.000 χ^2 /NDF: 1968681434700847172167982931920289792.0/10
 All: 1.084 $\pm$ 0.000 χ^2 /NDF: 55955139764216

dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected



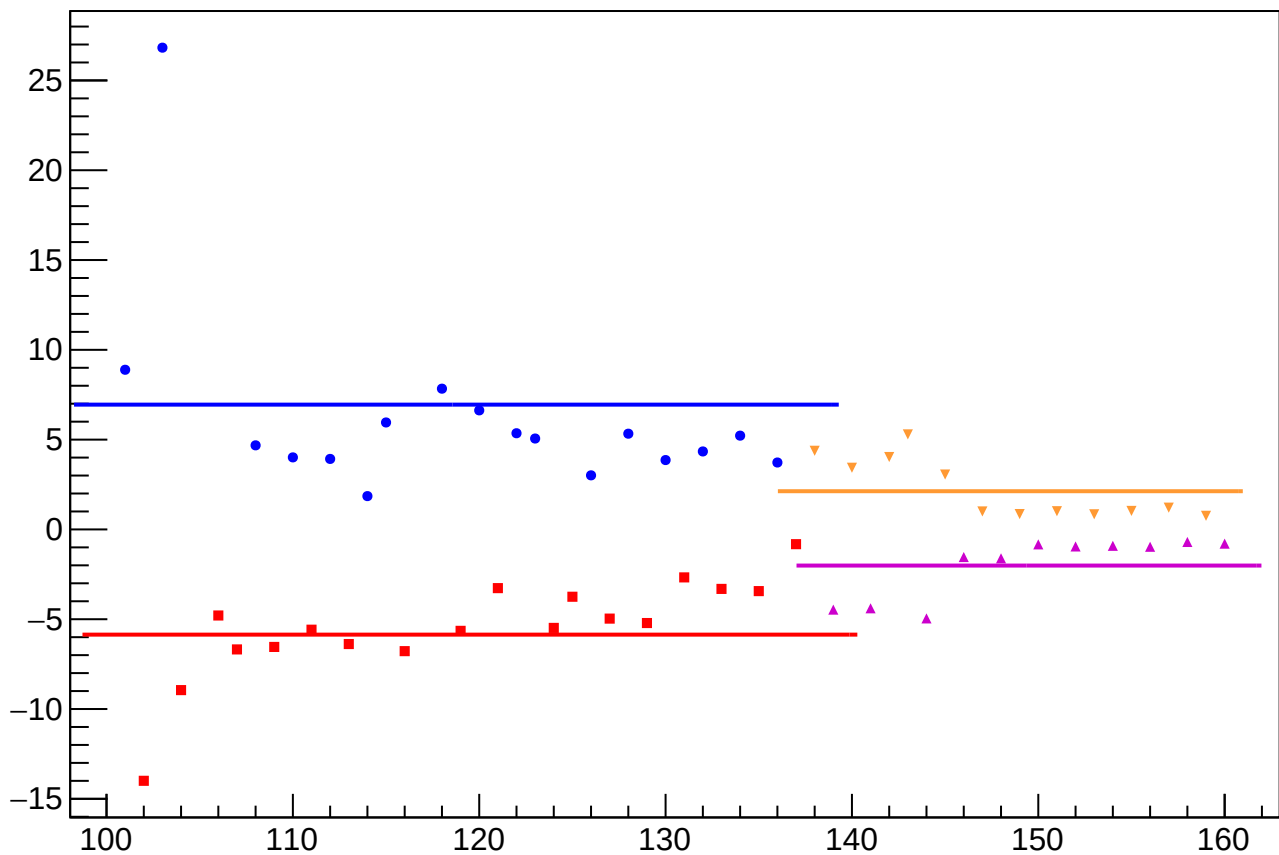
Right In: 1085.186 $\pm$ 0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287 $\pm$ 0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852 $\pm$ 0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540 $\pm$ 0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729 $\pm$ 0.000 χ^2/NDF : 454584232037

dit_4aX_coil6_mean vs Slug, Sign Corrected



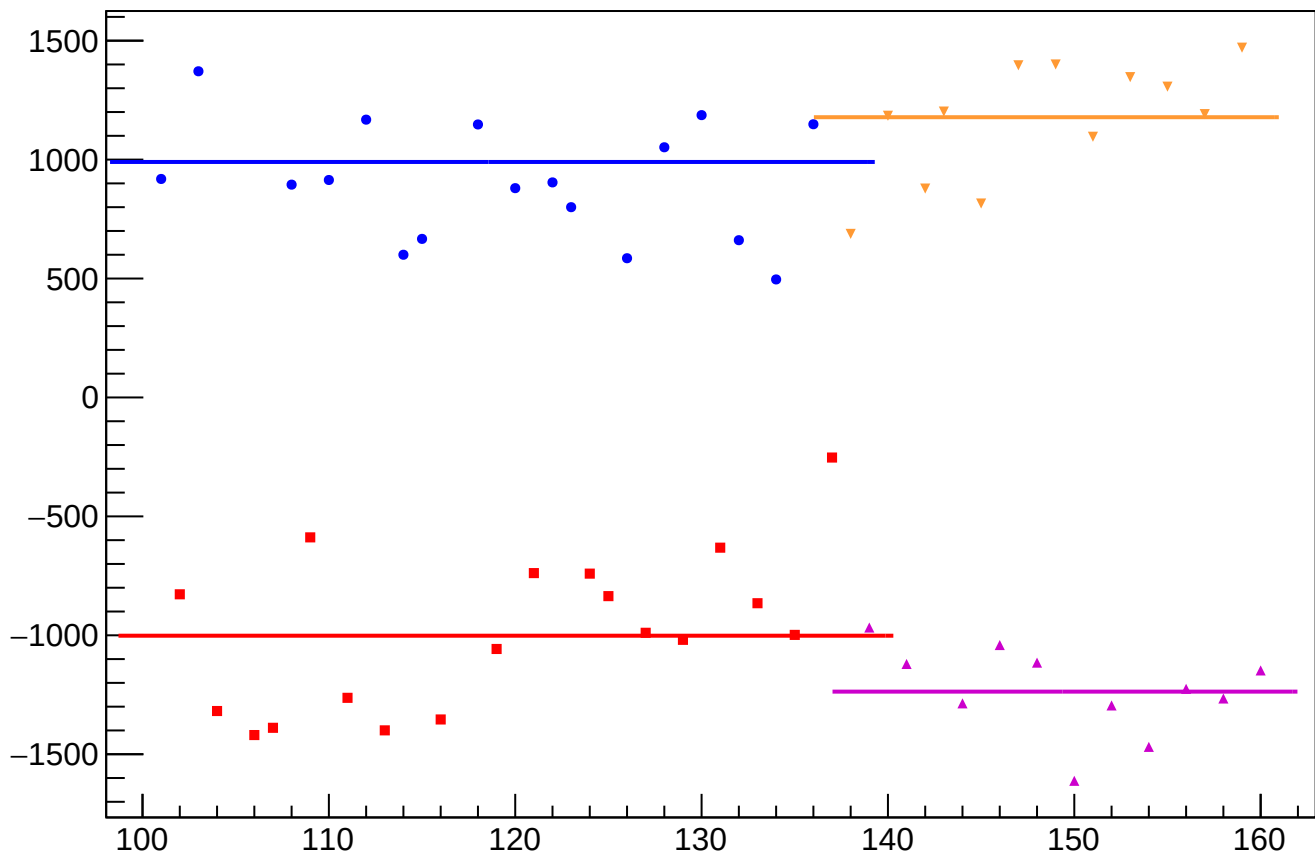
Right In: 1.808 $\pm$ 0.000 χ^2 /NDF: 7527409924358699638476786257362944.0/16
 Left Out: 4.381 $\pm$ 0.000 χ^2 /NDF: 2086443671311525325222433361920.0/11
 Right Out: -1.152 $\pm$ 0.000 χ^2 /NDF: 15220659080427743810069153064157184.0/17
 Left In: -4.995 $\pm$ 0.000 χ^2 /NDF: 1311384685098121552827321556140032.0/10
 All: -0.076 $\pm$ 0.000 χ^2 /NDF: 7006983030788

dit_4aX_coil6_err_mean vs Slug, Sign Corrected



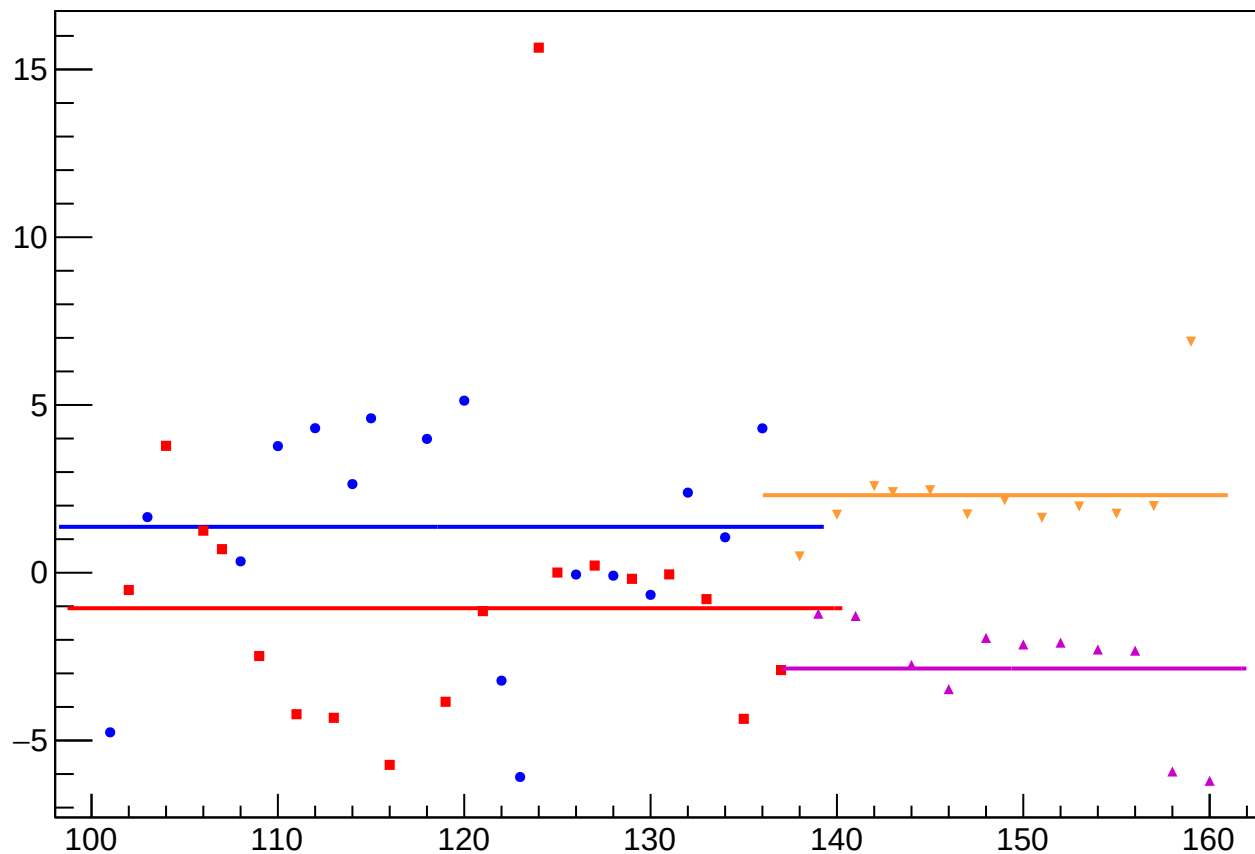
Right In: 6.948 ± 0.000 χ^2/NDF : 27500472377838631302114625925939200.0/16
 Left Out: 2.128 ± 0.000 χ^2/NDF : 2219193645273984606349154335064064.0/11
 Right Out: -5.858 ± 0.000 χ^2/NDF : 6347530911749266996807271930920960.0/17
 Left In: -2.012 ± 0.000 χ^2/NDF : 2455587486650389464574895818014720.0/10
 All: 0.212 ± 0.000 χ^2/NDF : 10431206184614

dit_4aX_coil6_Ndata_mean vs Slug, Sign Corrected



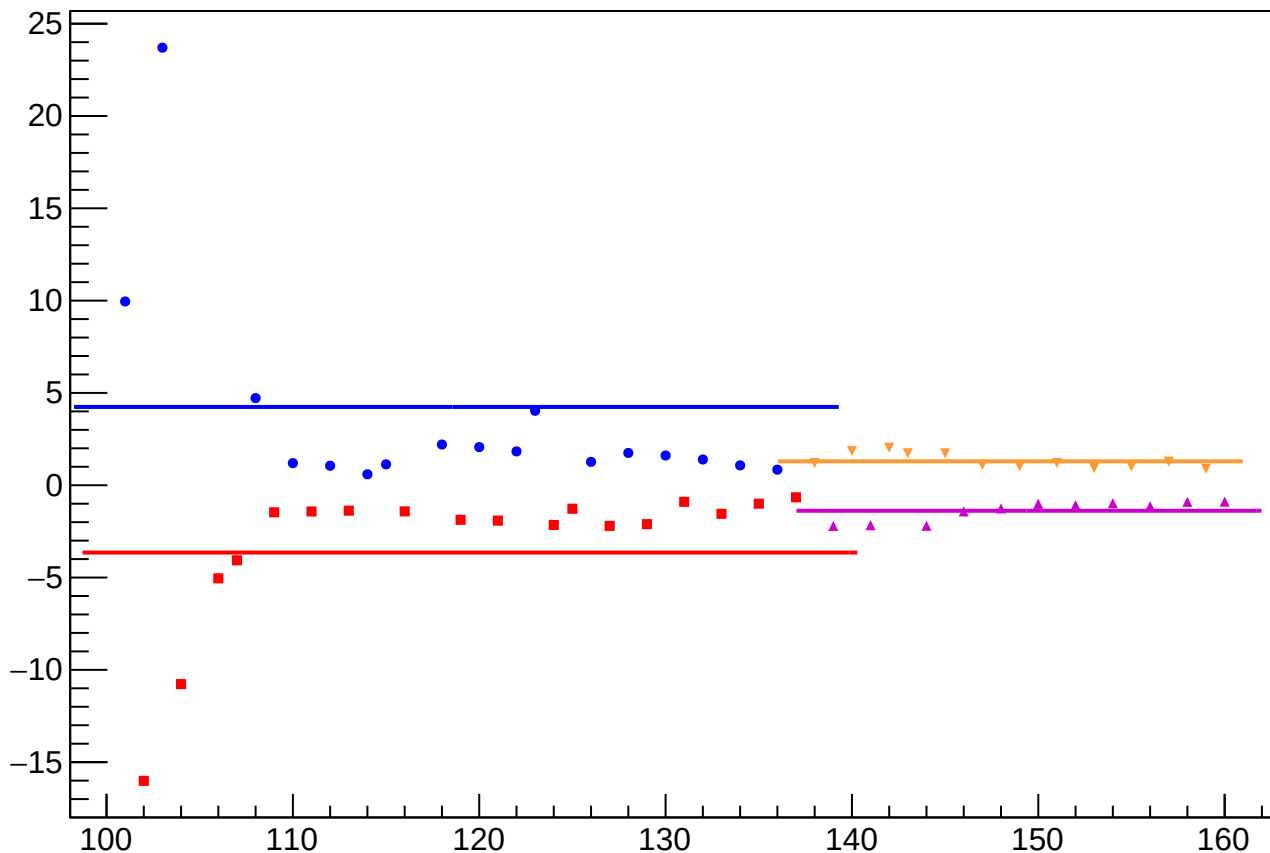
Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_4eX_coil6_mean vs Slug, Sign Corrected



Left: -0.306 ± 0.000 χ^2/NDF : 16725822551046735
 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

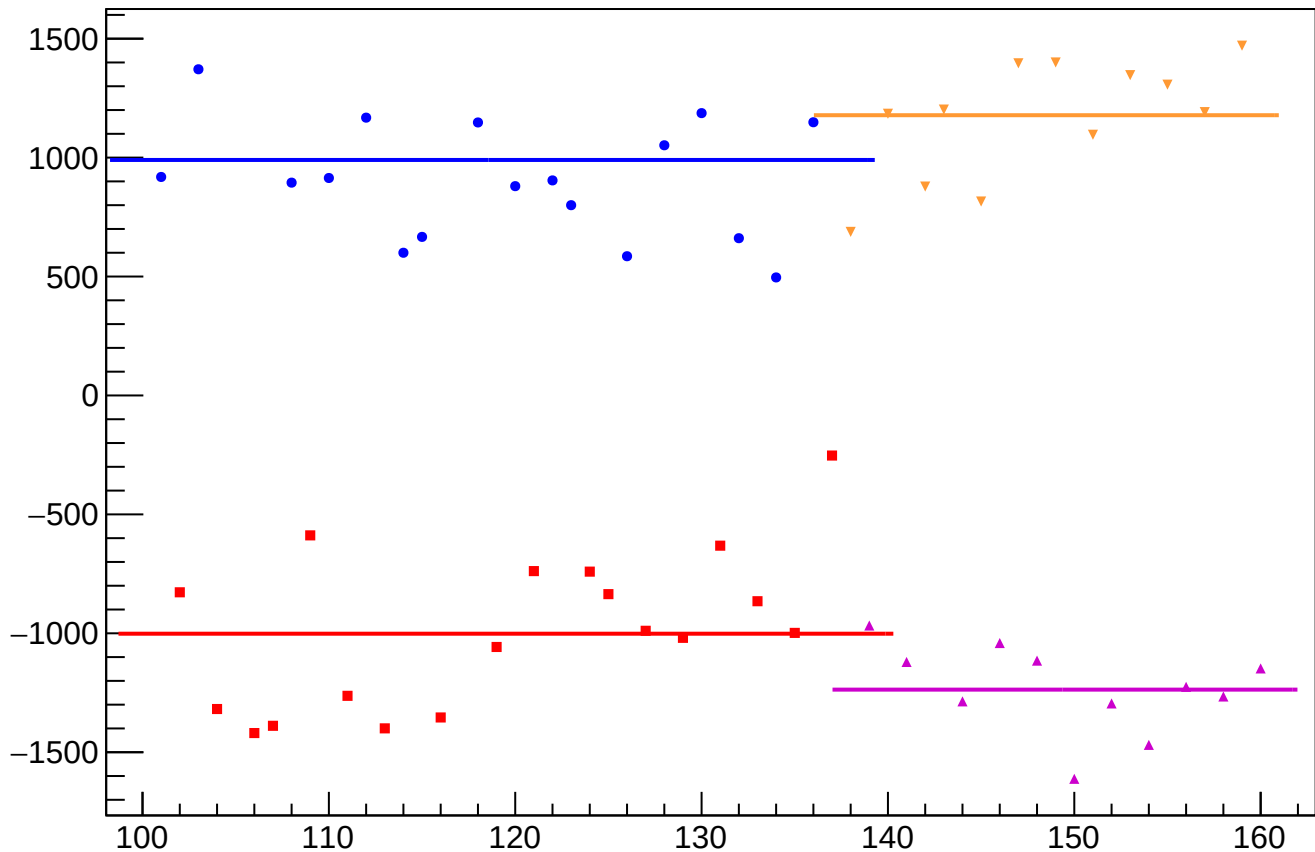
Right: 0.238 +/- 0.000 χ^2/NDF : 64554670060166565

In: 1.016 +/- 0.000 χ^2/NDF : 4145174476595097073

Out: -0.879 +/- 0.000 χ^2/NDF : 23929140157739456

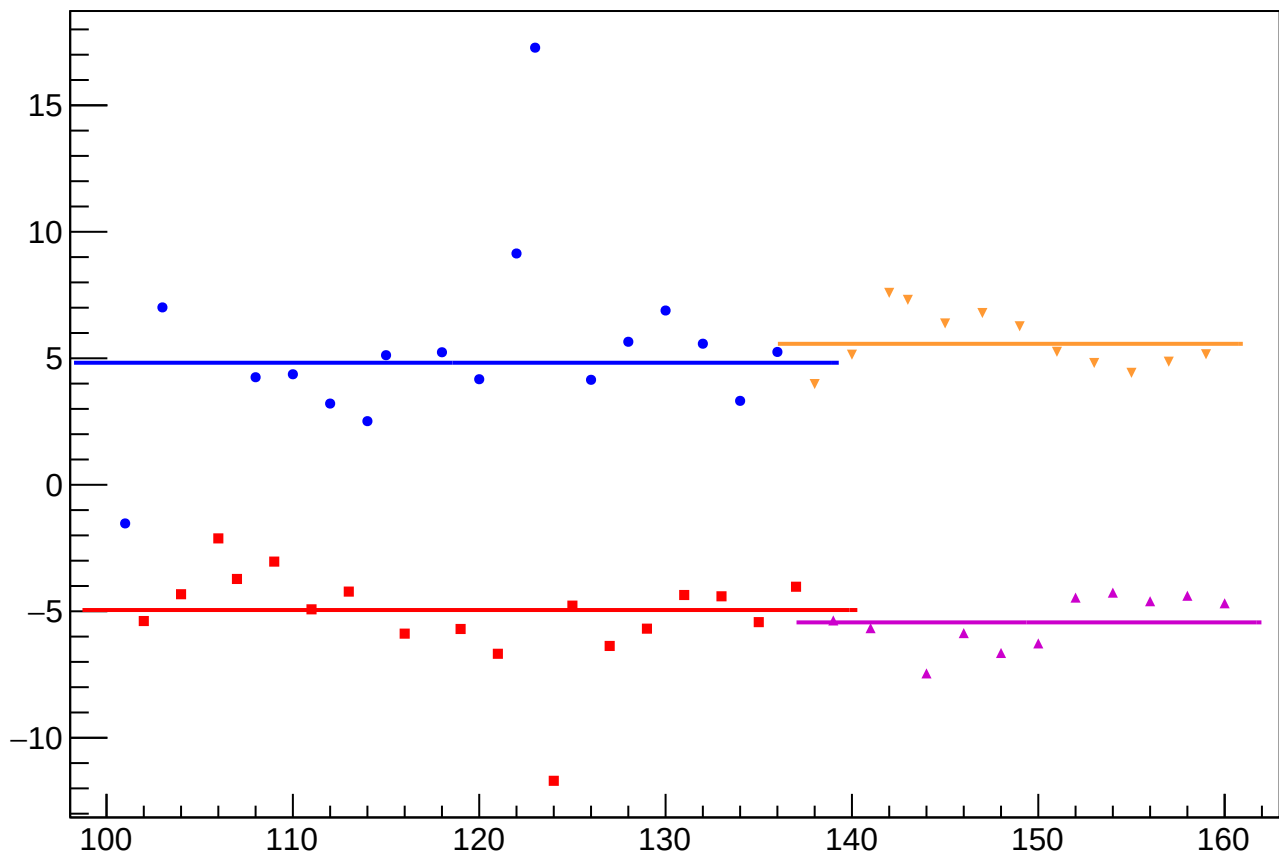
All: 0.069 +/- 0.000 χ^2/NDF : 68299772952141

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

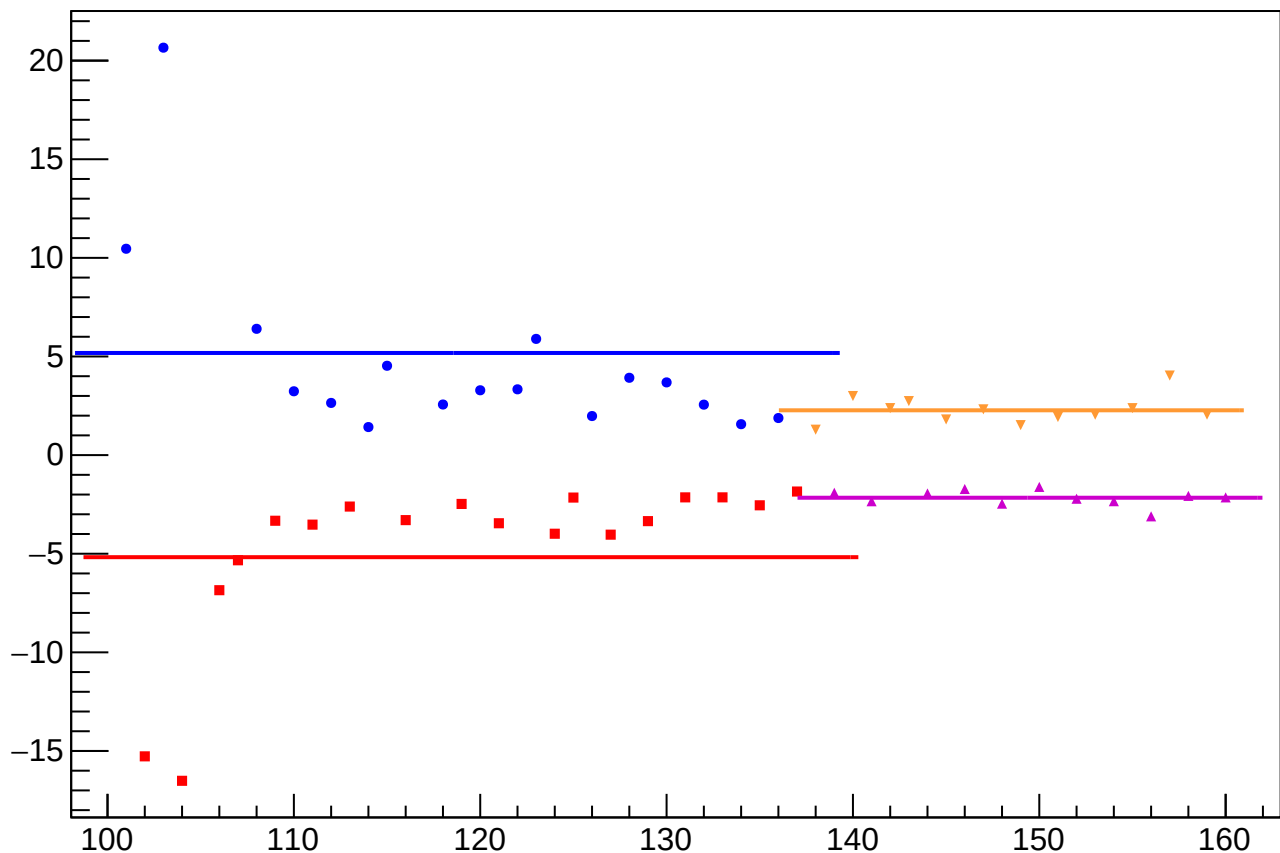
Right: -0.136 +/- 0.000 χ^2/NDF : 3981401538460137

In: -1.061 +/- 0.000 χ^2/NDF : 475387196018274355

Out: 0.940 +/- 0.000 χ^2/NDF : 468450835425449454

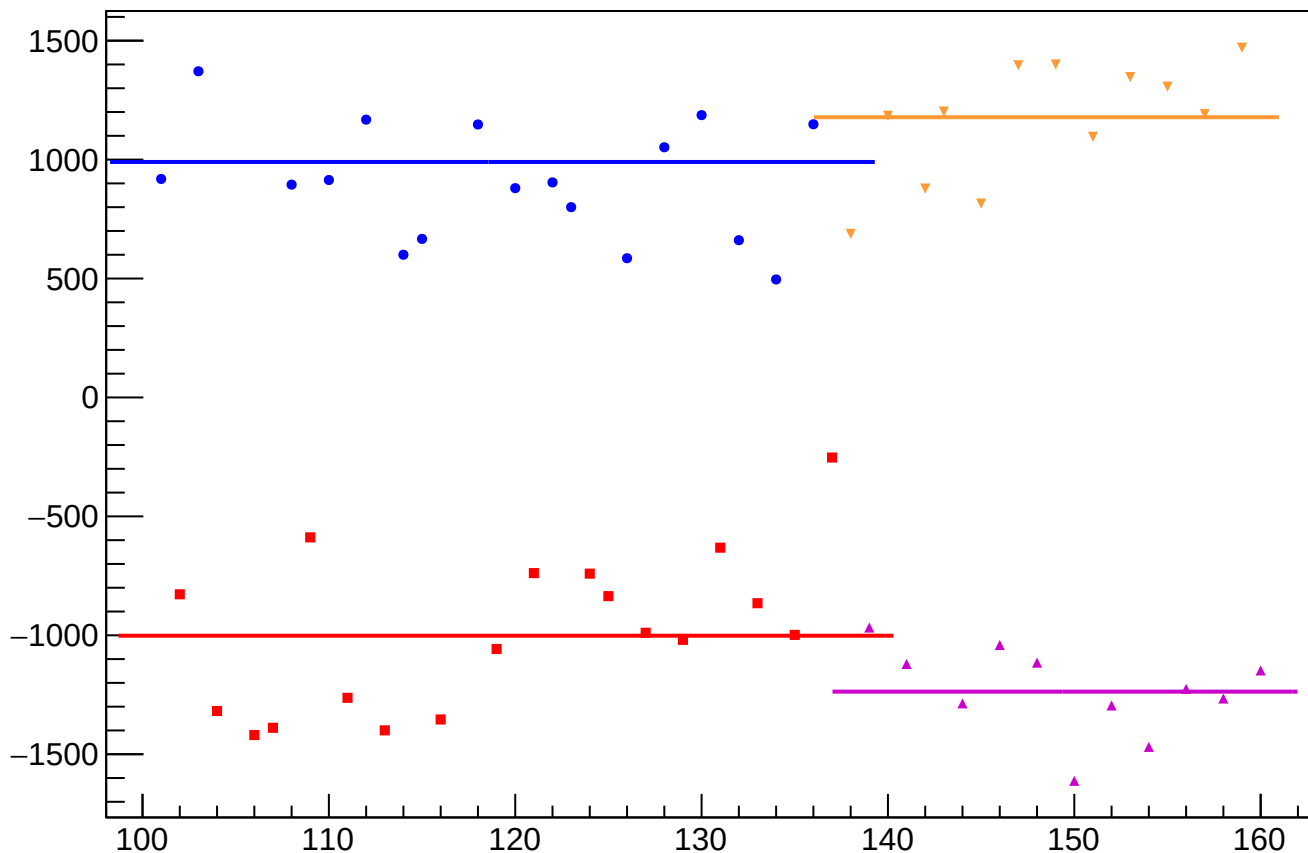
All: -0.061 +/- 0.000 χ^2/NDF : 9763689586043

dit_11X12X_coil6_err_mean vs Slug, Sign Corrected



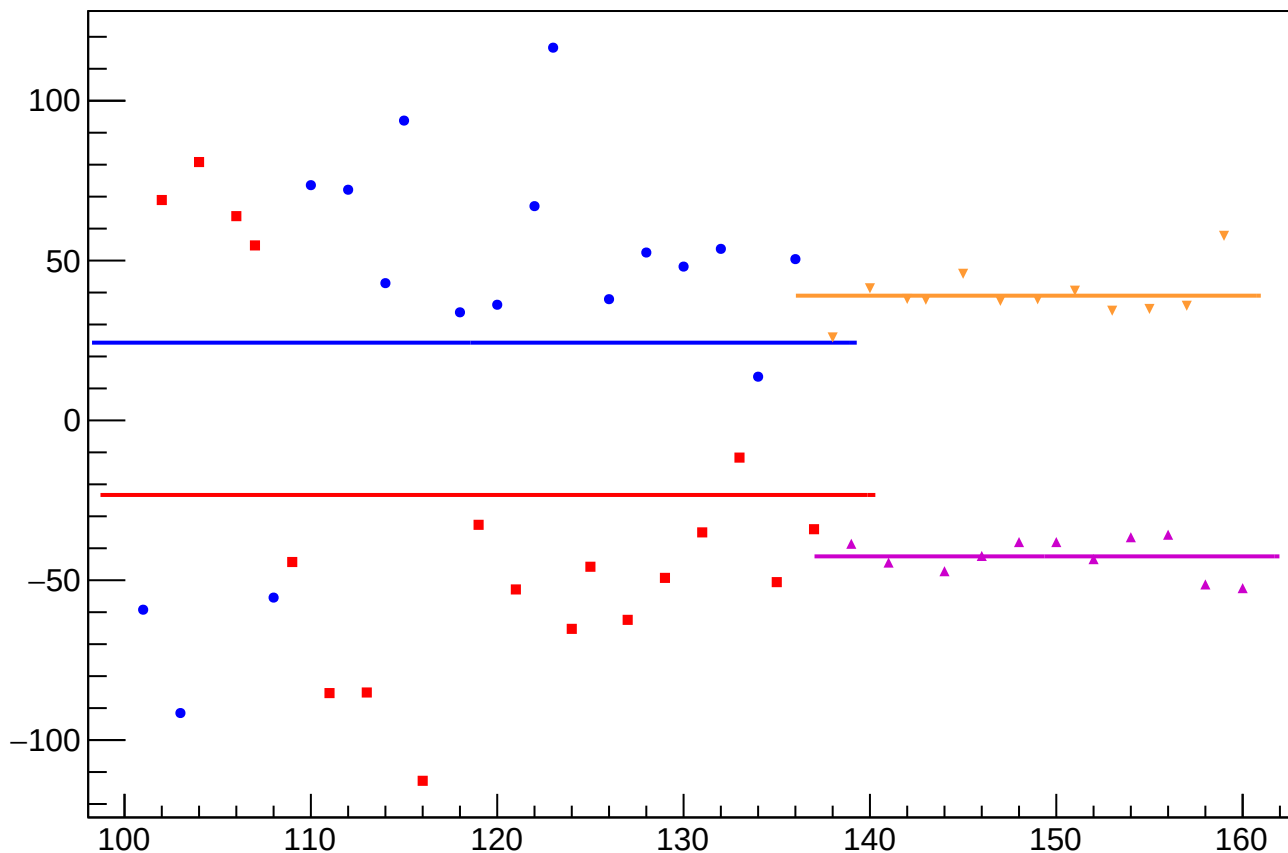
Right In: 5.179 ± 0.000 χ^2/NDF : 19215970923479019199836696755568640.0/16
 Left Out: 2.271 ± 0.000 χ^2/NDF : 445973362143922999565724801826816.0/11
 Right Out: -5.175 ± 0.000 χ^2/NDF : 15553868406688086696237036103270400.0/17
 Left In: -2.161 ± 0.000 χ^2/NDF : 138371088754302765080927377817600.0/10
 All: -0.018 ± 0.000 χ^2/NDF : 8216013484871

dit_11X12X_coil6_Ndata_mean vs Slug, Sign Corrected



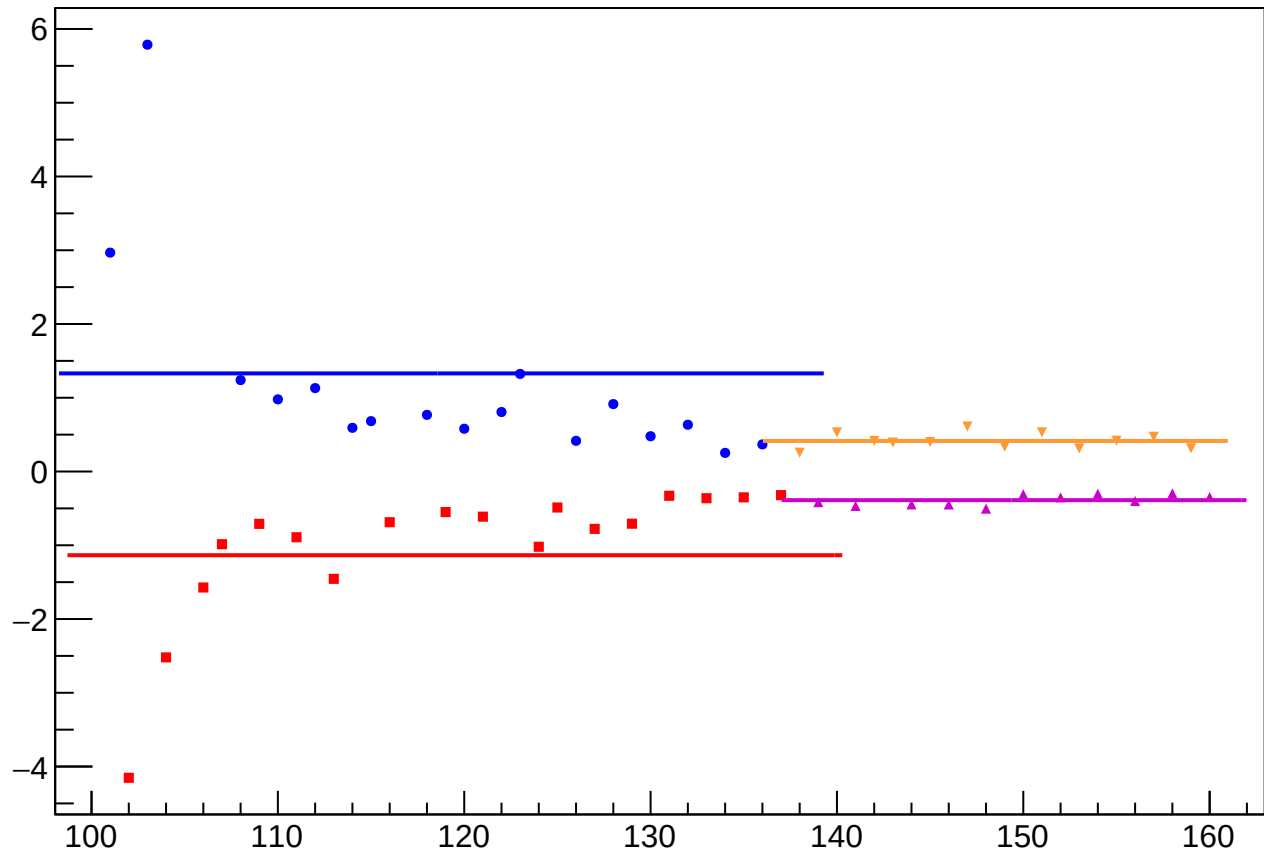
Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_4aY_coil6_mean vs Slug, Sign Corrected



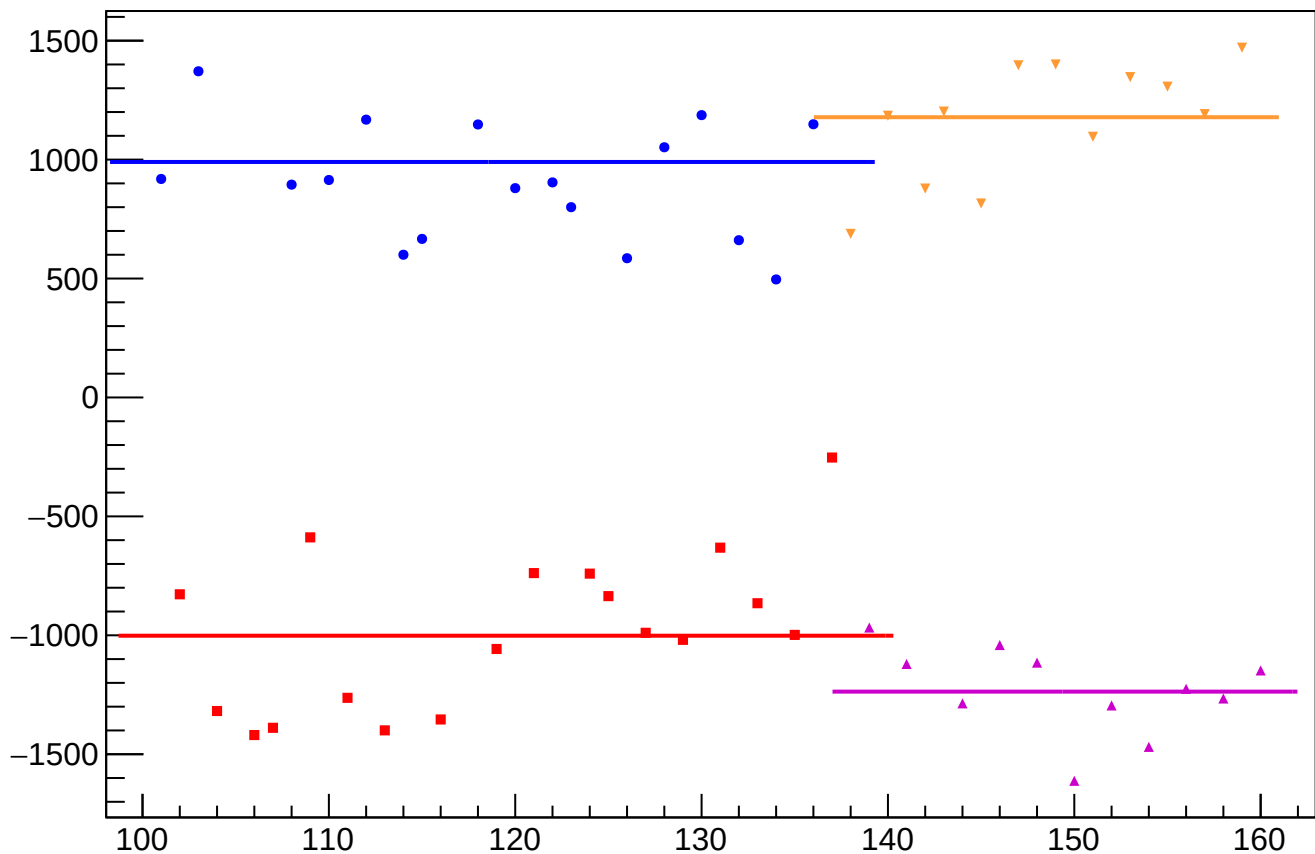
Right In: 24.318 ± 0.000 $\chi^2/\text{NDF}: 2002814634195538334157710520710332416.0/16$
 Left Out: 39.019 ± 0.000 $\chi^2/\text{NDF}: 50102899546886796047994324336508928.0/11$
 Right Out: -23.323 ± 0.000 $\chi^2/\text{NDF}: 2300287491781415748029178925971144704.0/17$
 Left In: -42.534 ± 0.000 $\chi^2/\text{NDF}: 28373028064789967113556541703192576.0/10$
 All: -1.235 ± 0.000 $\chi^2/\text{NDF}: 8247869405695$

dit_4aY_coil6_err_mean vs Slug, Sign Corrected



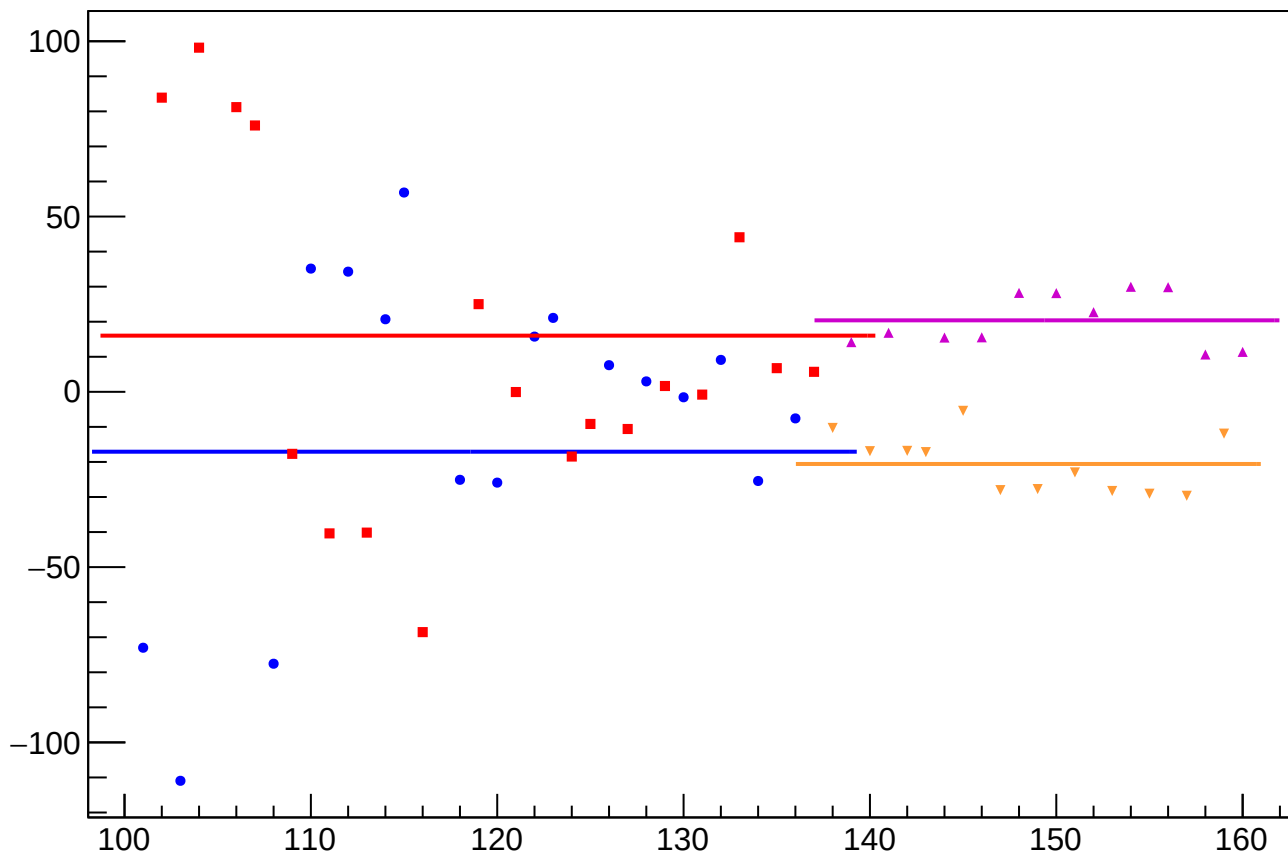
Right In: 1.330 +/- 0.000 χ^2/NDF : 1603106167275520107151234942631936.0/16
 Left Out: 0.414 +/- 0.000 χ^2/NDF : 9567880309690591091908795170816.0/11
 Right Out: -1.135 +/- 0.000 χ^2/NDF : 803137408294494563054397652205568.0/17
 Left In: -0.388 +/- 0.000 χ^2/NDF : 4478292013674144747987763462144.0/10
 All: 0.039 +/- 0.000 χ^2/NDF : 48607412454167

dit_4aY_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 : 52167705532463382200265414592767721472.0/11
 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_4eY_coil6_mean vs Slug, Sign Corrected



Right In: -17.080 $\pm$ 0.000

Left Out: -20.578 $\pm$ 0.000

Right Out: 16.026 $\pm$ 0.000

Left In: 20.391 $\pm$ 0.000

χ^2 /NDF: 1305852396524110552444351569704517632.0/16

χ^2 /NDF: 60639888412264927004894637808680960.0/11

χ^2 /NDF: 1544075638091019901834252047429402624.0/17

χ^2 /NDF: 49123532237880600080923761508876288.0/10

Left: 0.173 $\pm$ 0.000 χ^2 /NDF: 882578196183851559

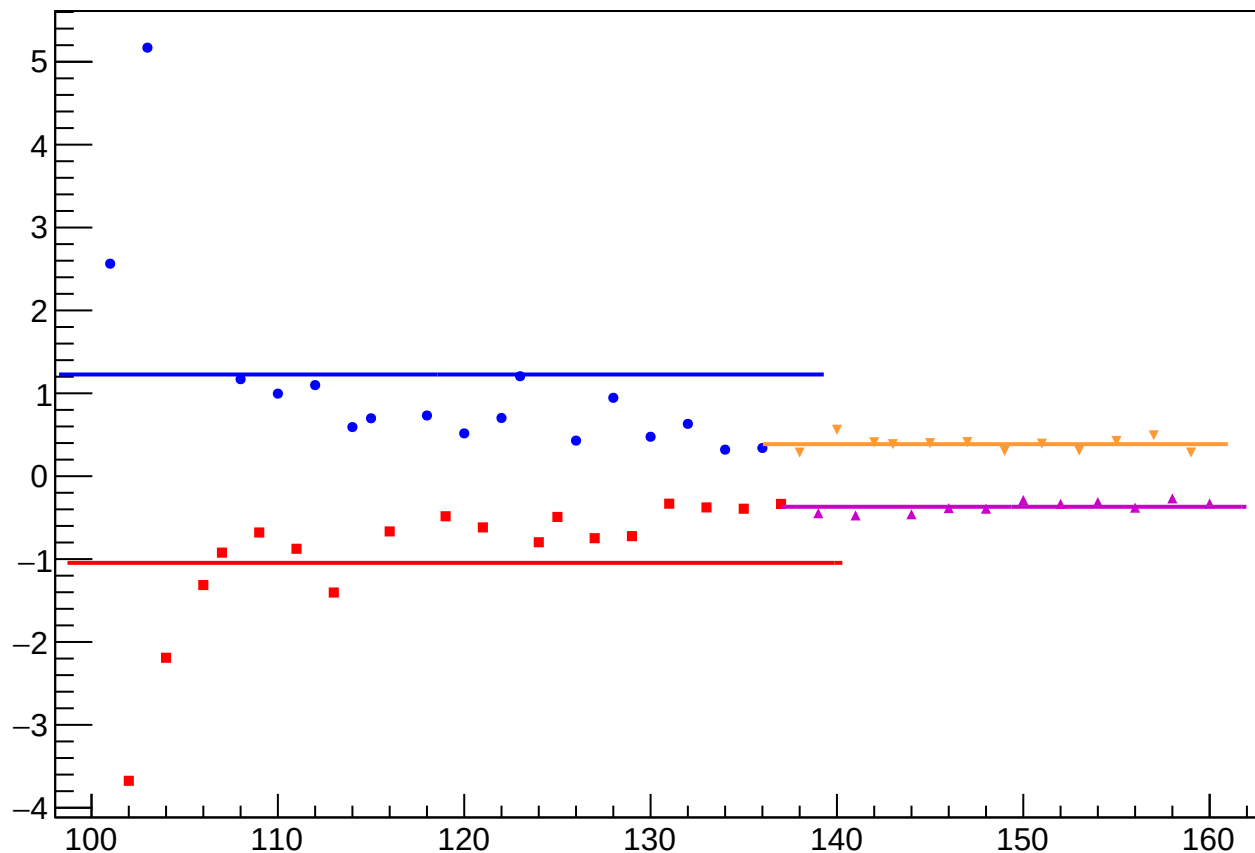
Right: -0.280 $\pm$ 0.000 χ^2 /NDF: 3235905793745171

In: 4.408 $\pm$ 0.000 χ^2 /NDF: 1913755264371690539

Out: -4.462 $\pm$ 0.000 χ^2 /NDF: 21409436551720281

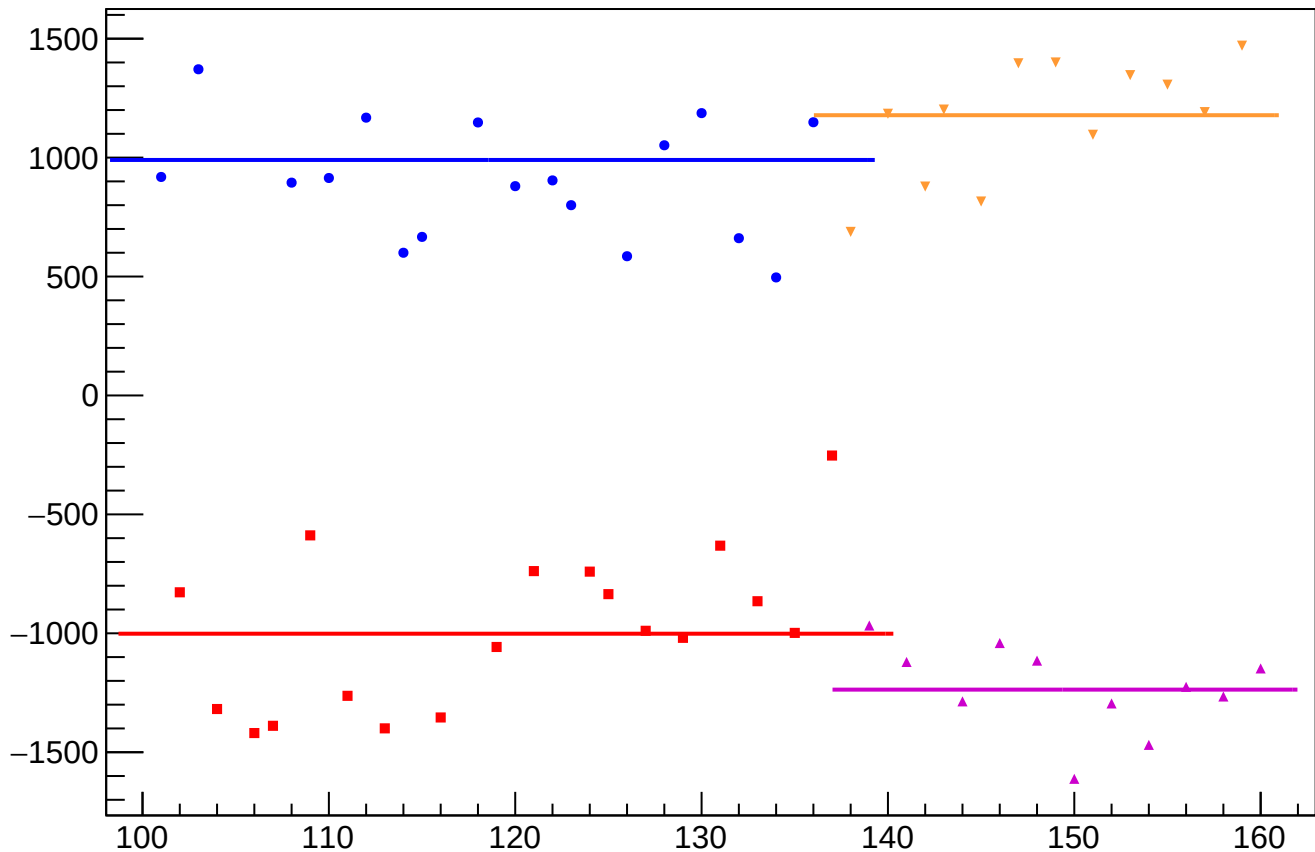
All: -0.023 $\pm$ 0.000 χ^2 /NDF: 4118648127034

dit_4eY_coil6_err_mean vs Slug, Sign Corrected



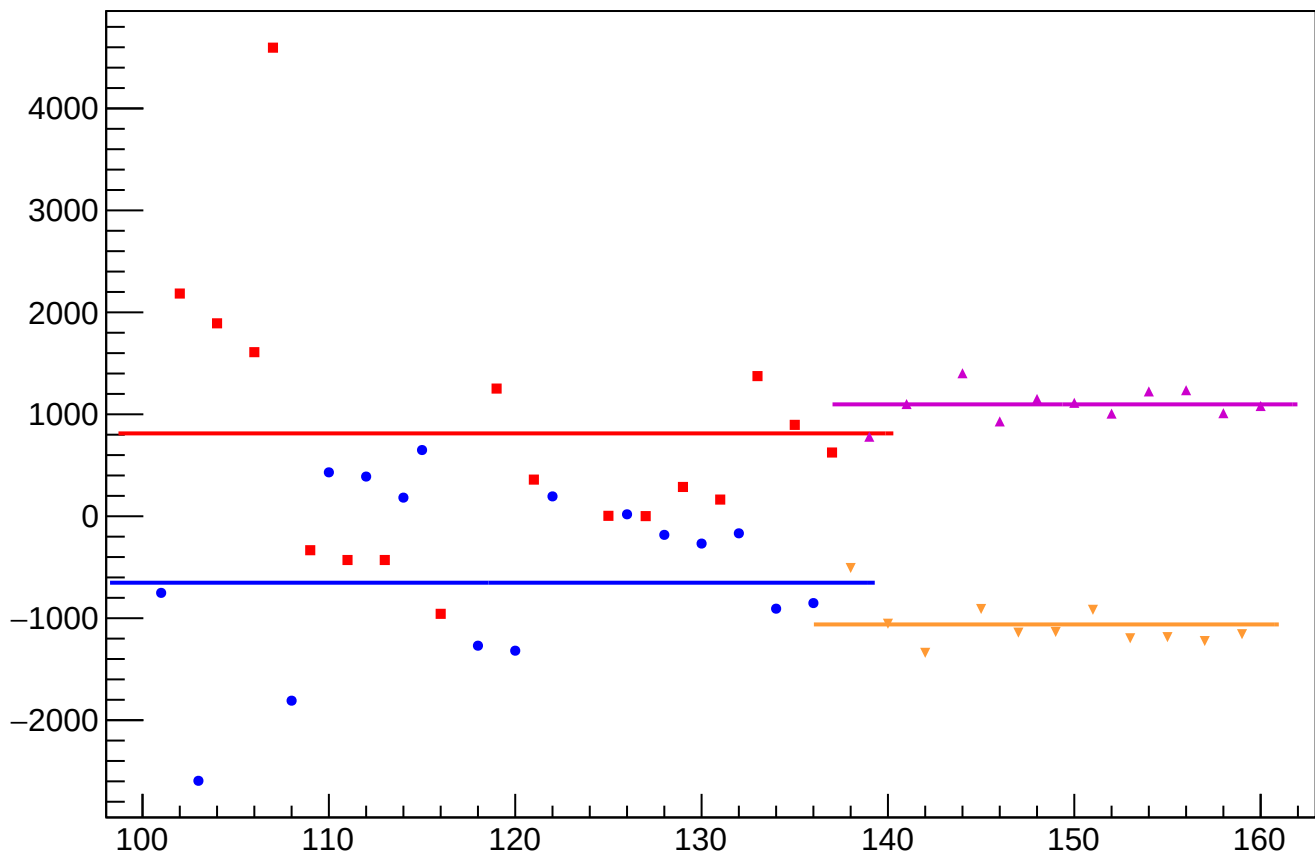
Right In: 1.227 $\pm$ 0.000 χ^2 /NDF: 1236268785411842731770087408140288.0/16
 Left Out: 0.386 $\pm$ 0.000 χ^2 /NDF: 6218656899307774549221745623040.0/11
 Right Out: -1.045 $\pm$ 0.000 χ^2 /NDF: 600057841416365938926945245855744.0/17
 Left In: -0.369 $\pm$ 0.000 χ^2 /NDF: 4180194840459374093507993010176.0/10
 All: 0.034 $\pm$ 0.000 χ^2 /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 : 515253429514141170908240824492993019904.0/15

Left Out: -1060.938+/-0.000

χ^2/NDF : 37316934369897173476470226506953523200.0/10

Right Out: 812.763+/-0.000

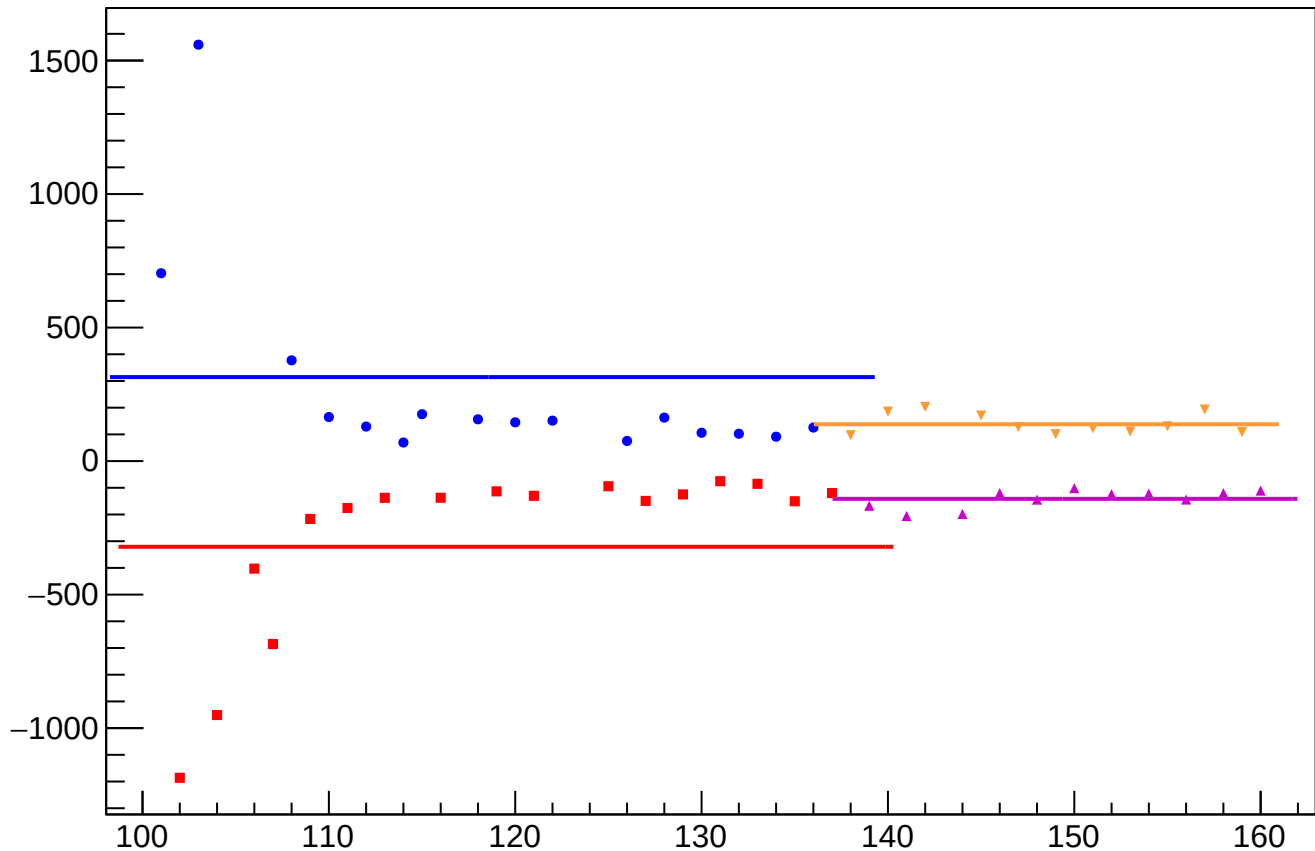
χ^2/NDF : 1101460876390641458322598423370785619968.0/16

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

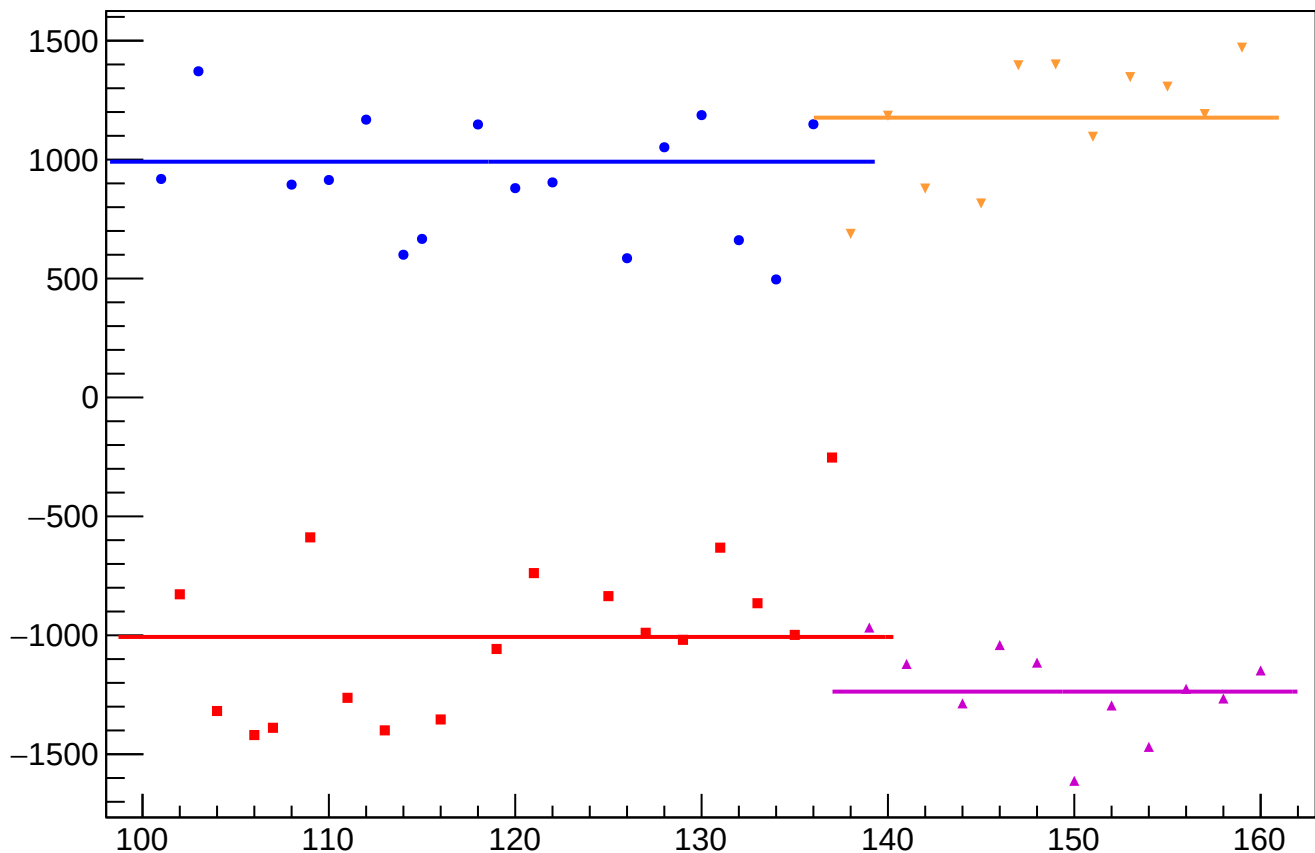
Right: -5.692 +/- 0.000 χ^2/NDF : 3473223749220098

In: 52.462 +/- 0.000 χ^2/NDF : 202737200967554605

Out: -70.579 +/- 0.000 χ^2/NDF : 1692653283089587

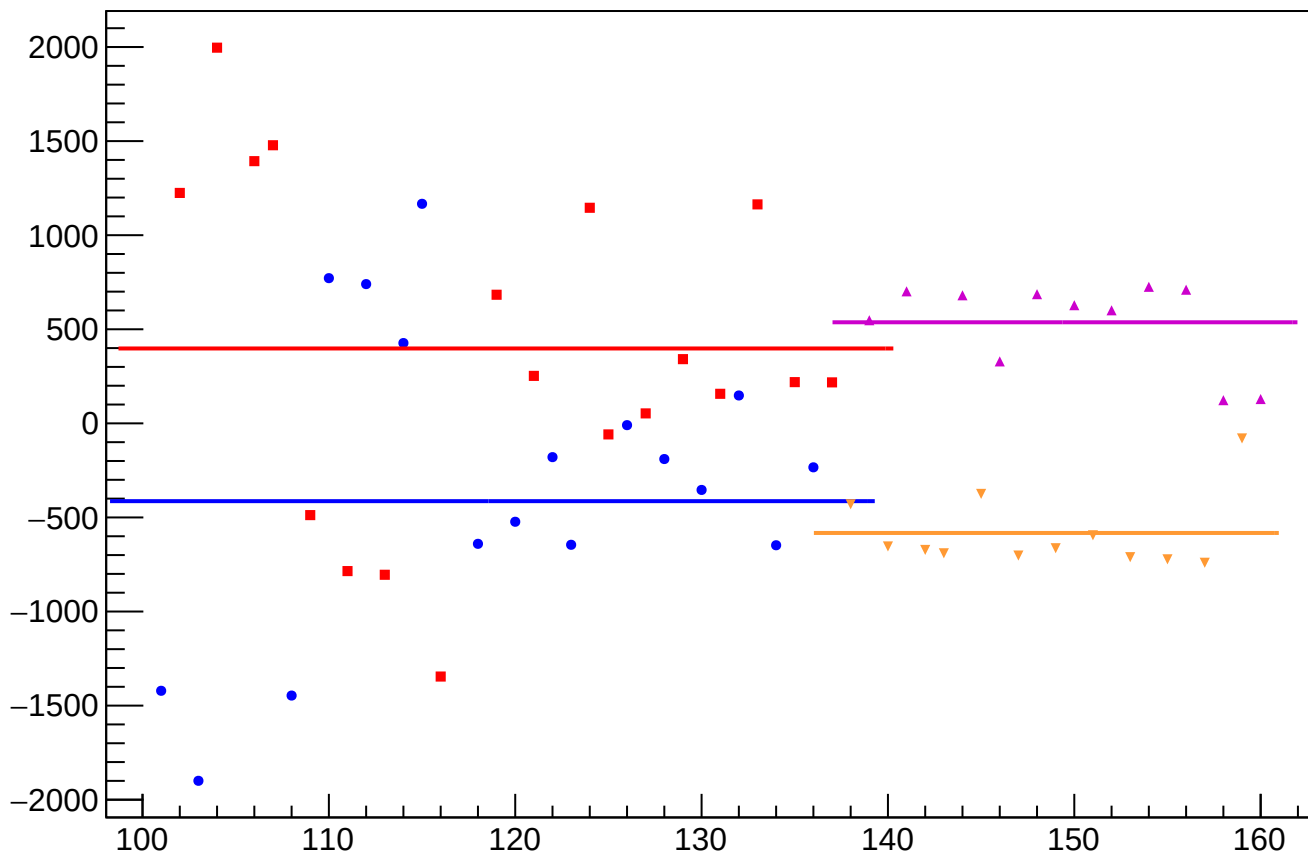
All: -7.504 +/- 0.000 χ^2/NDF : 3839775082009

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

χ^2/NDF : 416661262936725907024907175037323182080.0/16

Left Out: -582.459 +/- 0.000

χ^2/NDF : 33467960128357815096221409884680224768.0/11

Right Out: 397.961 +/- 0.000

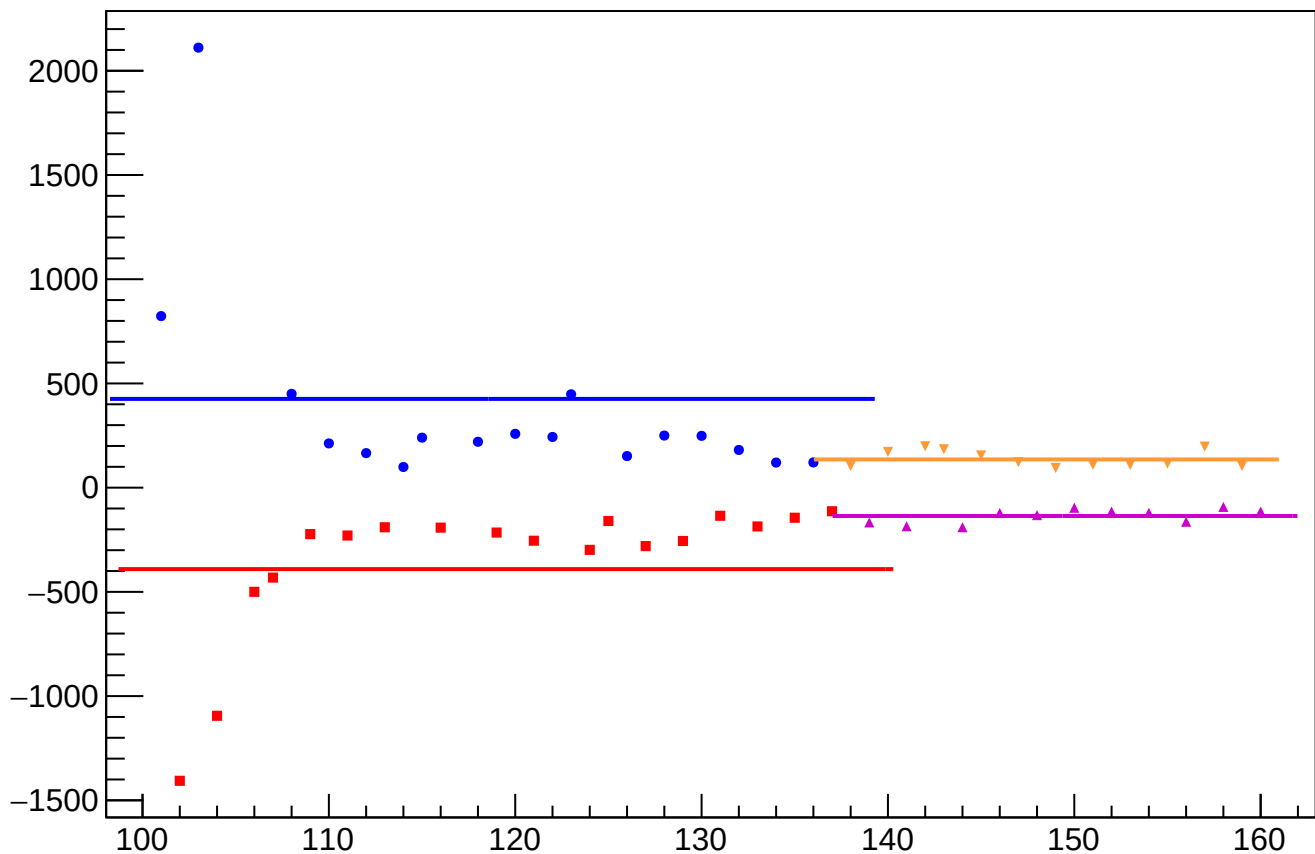
χ^2/NDF : 544622124437292502497528454351499034624.0/17

Left In: 537.163 +/- 0.000

χ^2/NDF : 43957458836517899124048676659035897856.0/10

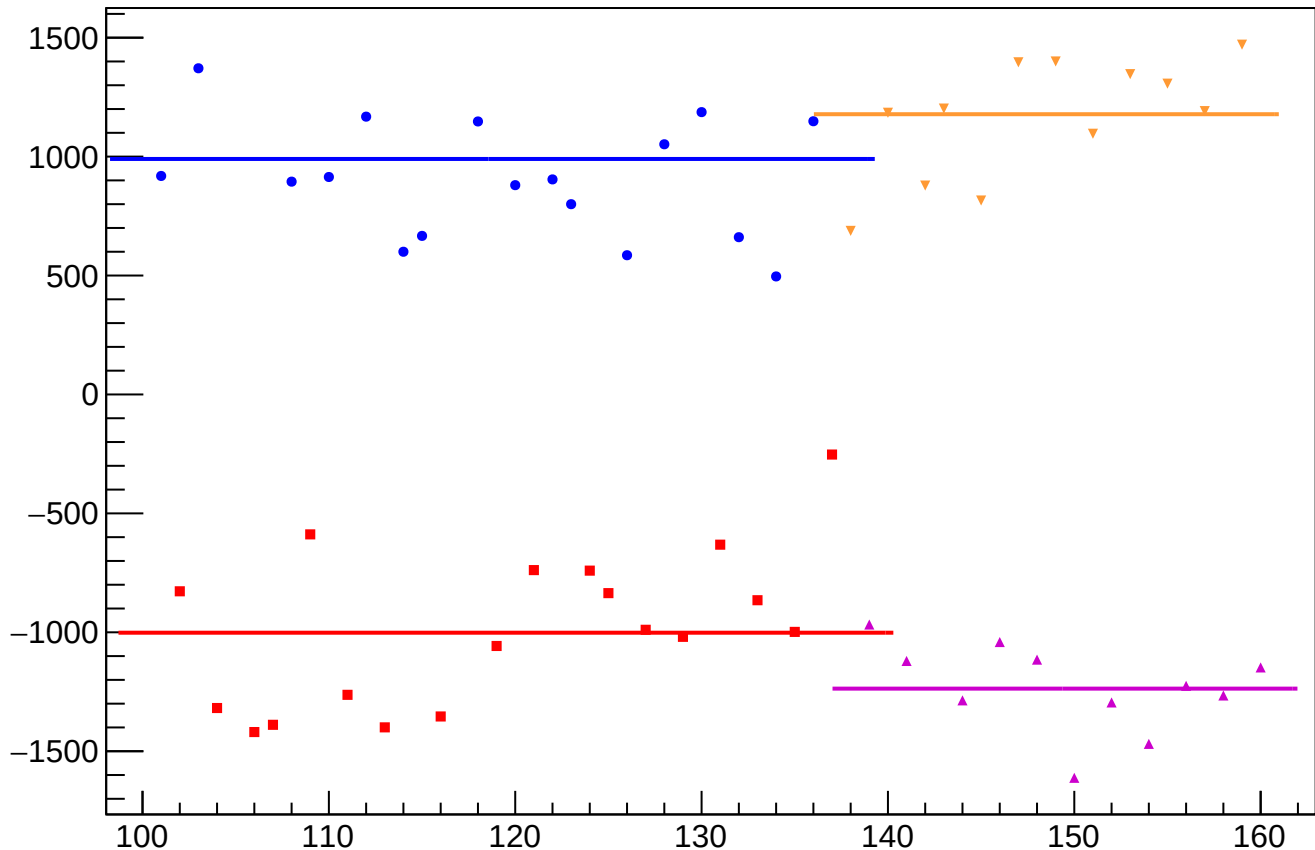
All: -9.429 +/- 0.000 χ^2/NDF : 1847867869270

dit_usr_coil6_err_mean vs Slug, Sign Corrected



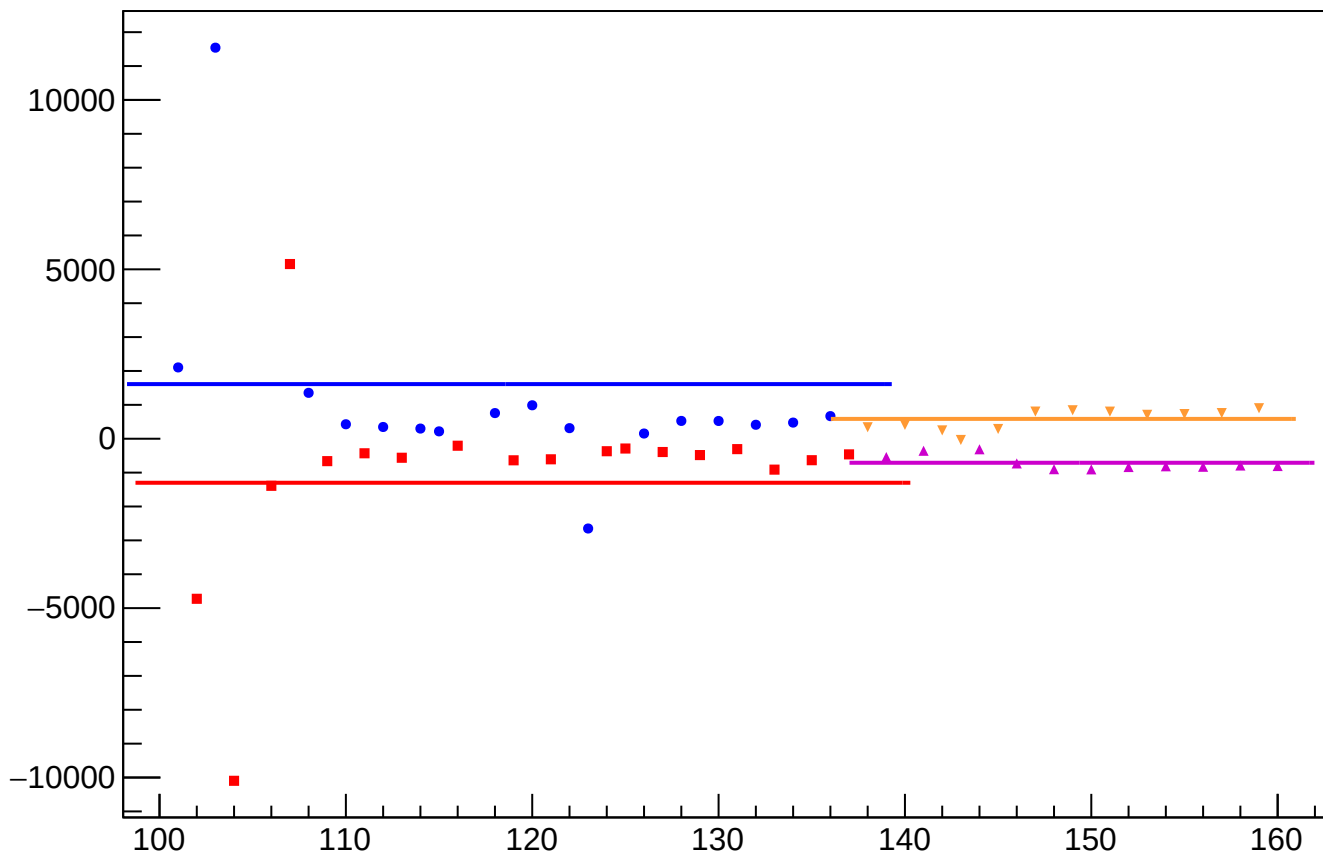
Right In: 425.847+/-0.000 χ^2/NDF : 207036344088227618256858466697210757120.0/16
 Left Out: 135.302+/-0.000 χ^2/NDF : 1213972117724638790045949459626459136.0/11
 Right Out: -390.709+/-0.000 χ^2/NDF : 105177402148385851360915440950786916352.0/17
 Left In: -135.877+/-0.000 χ^2/NDF : 1013407653524592727671386529217904640.0/10
 All: 3.814+/-0.000 χ^2/NDF : 58326132779015

dit_usr_coil6_Ndata_mean vs Slug, Sign Corrected



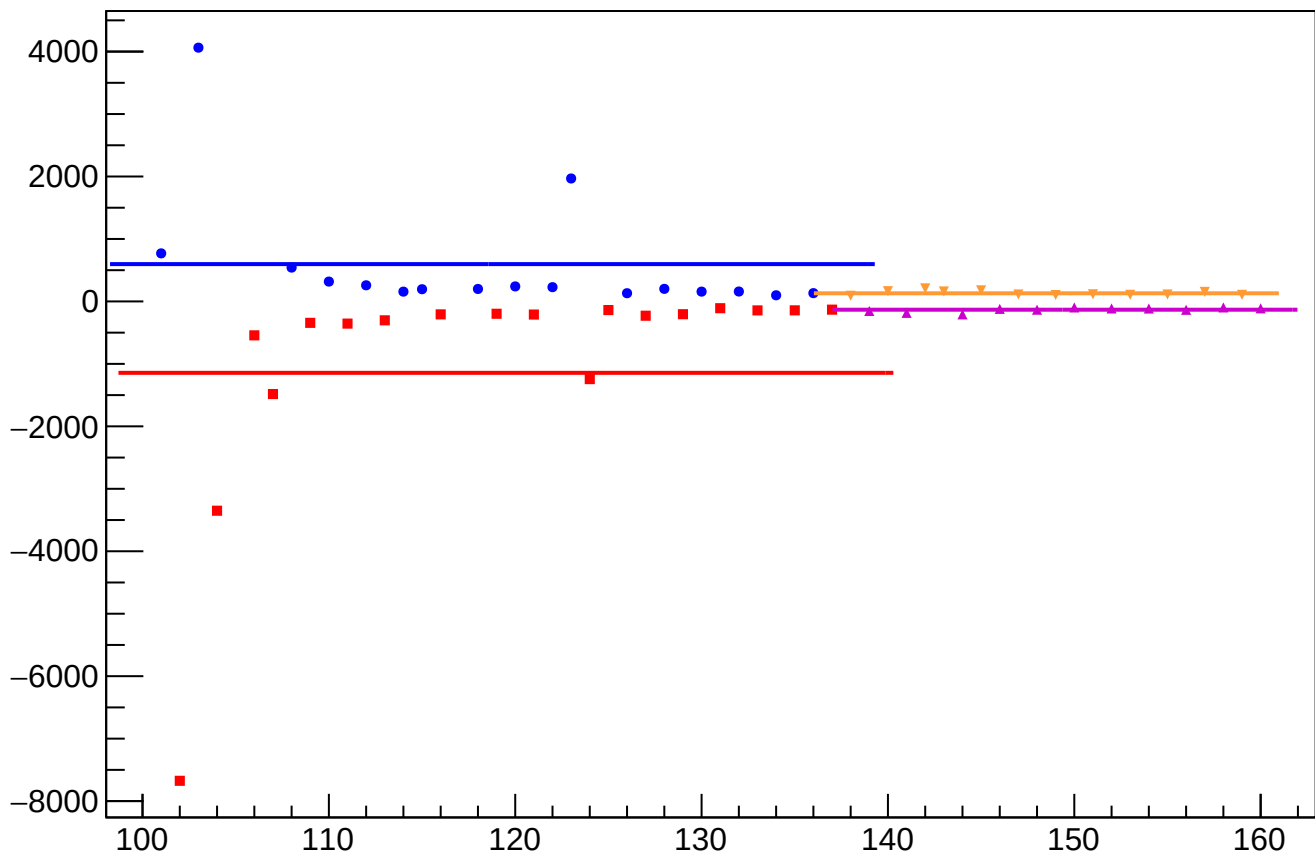
Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_atl1_coil6_mean vs Slug, Sign Corrected



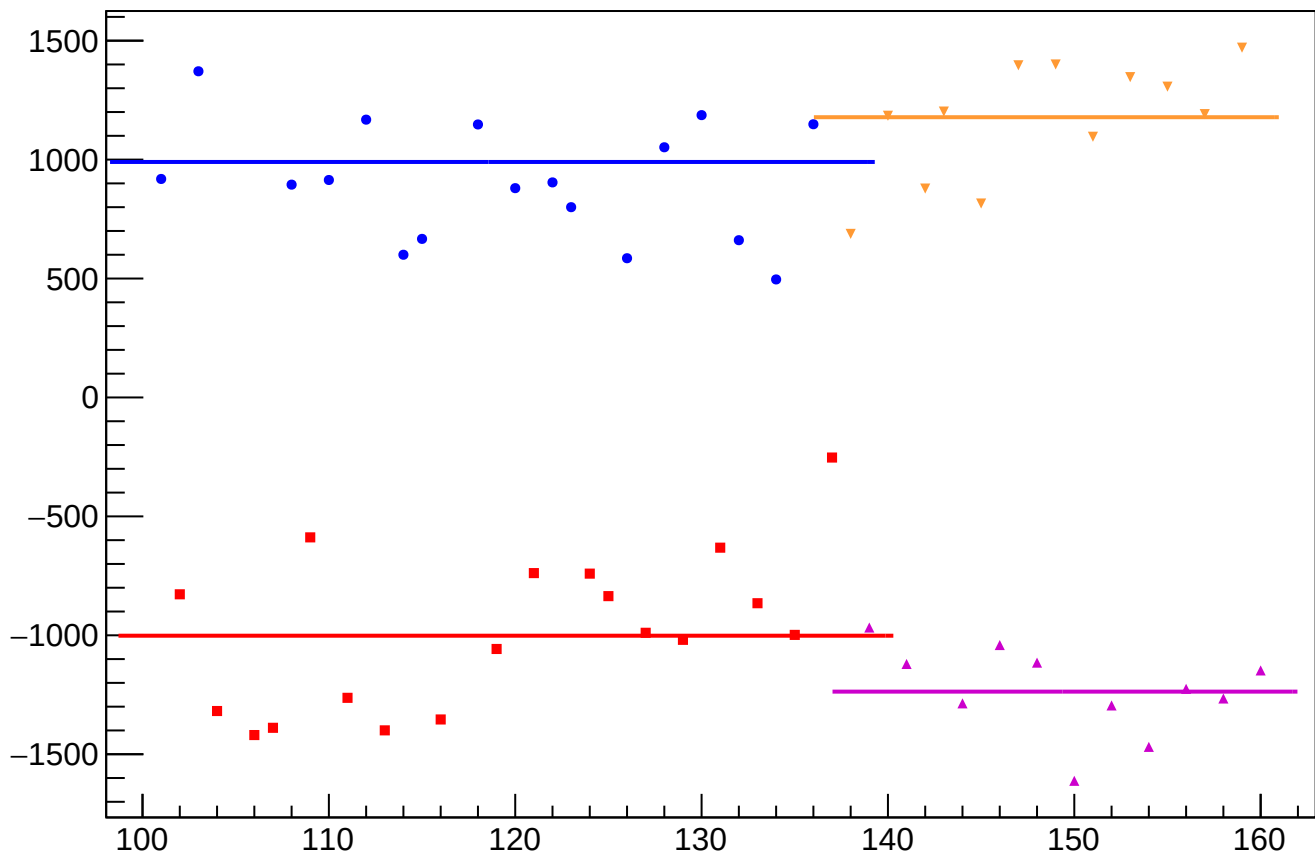
Right In: 1612.346+/-0.000 χ^2/NDF : 6578565632222822389389916952029424517120.0/16
 Left Out: 585.355+/-0.000 χ^2/NDF : 71064130905944539858639816600462557184.0/11
 Right Out: -1299.611+/-0.000 χ^2/NDF : 6468181068576271058681439598083982753792.0/17
 Left In: -709.552+/-0.000 χ^2/NDF : 38324887242823833367835539132322414592.0/10
 All: 18.401+/-0.000 χ^2/NDF : 1694801829865

dit_atl1_coil6_err_mean vs Slug, Sign Corrected



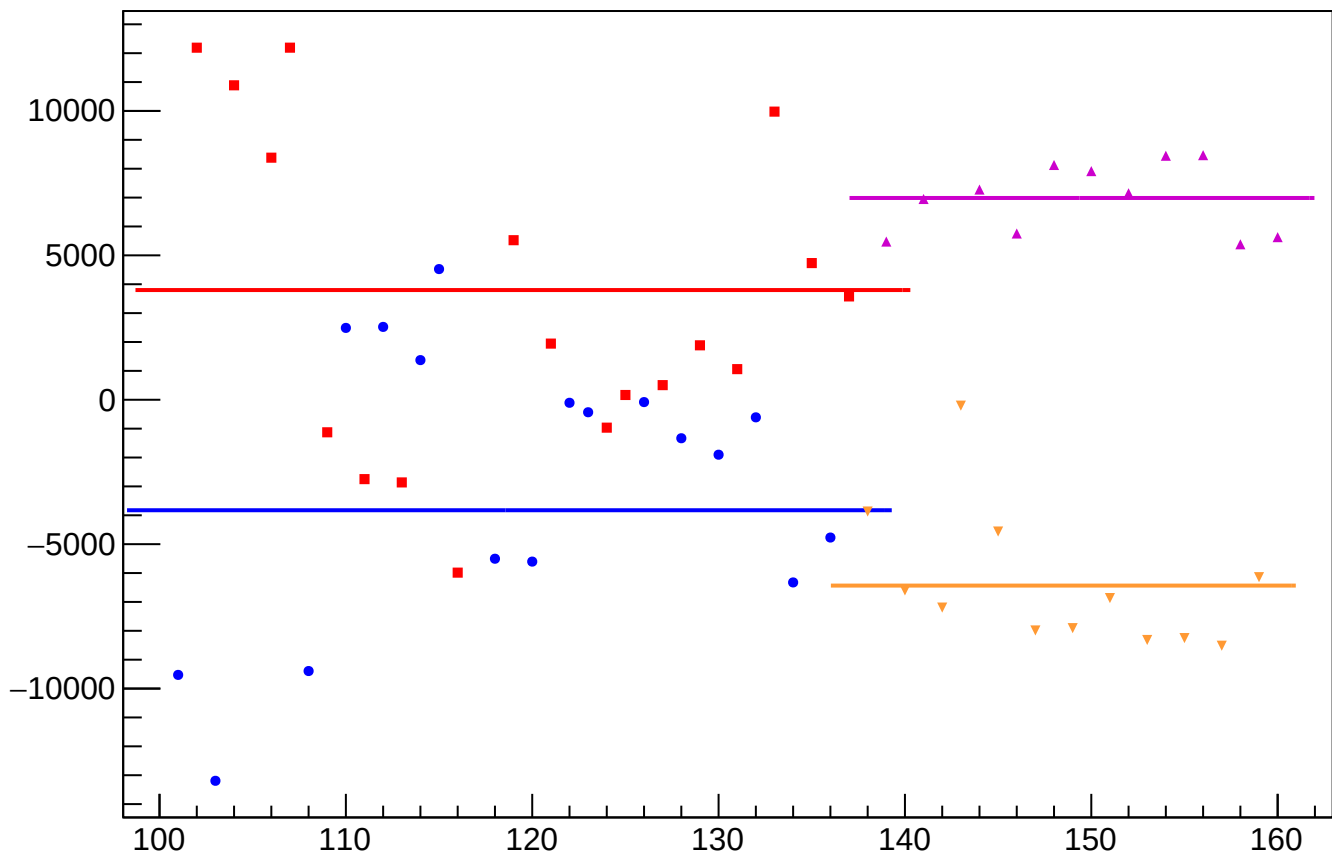
Left: -3.028 ± 0.000 $\chi^2/\text{NDF}: 33889688901035256$
 Right In: 597.382 ± 0.000 $\chi^2/\text{NDF}: 808468639420281882930484113186400239616.0/16$
 Right: -285.870 ± 0.000 $\chi^2/\text{NDF}: 50680370930109$
 Left Out: 130.051 ± 0.000 $\chi^2/\text{NDF}: 1012152339815276325722639516246736896.0/11$
 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

χ^2/NDF : 15445294605440071214640081166471362772992.0/16

χ^2/NDF : 4694104378818420456134132299517770334208.0/11

χ^2/NDF : 21131316959829635023813459777790997954560.0/17

χ^2/NDF : 1235548818628101724226564744951120265216.0/10

Left: 363.678 +/- 0.000 χ^2/NDF : 8885863810237189

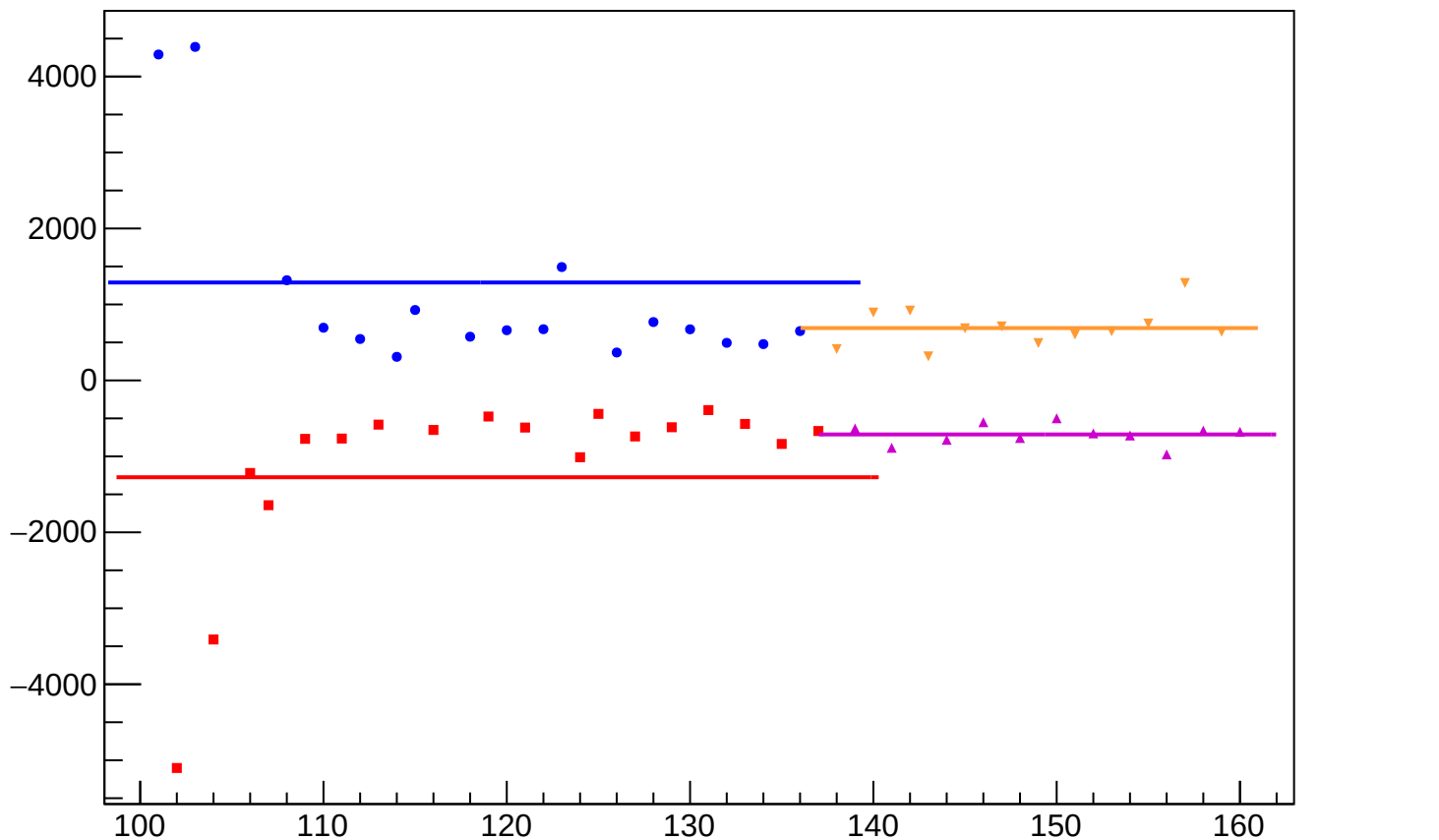
Right: 43.382 +/- 0.000 χ^2/NDF : 5704630071660789

In: 2374.723 +/- 0.000 χ^2/NDF : 6320353446593987

Out: -1928.973 +/- 0.000 χ^2/NDF : 67729726367742

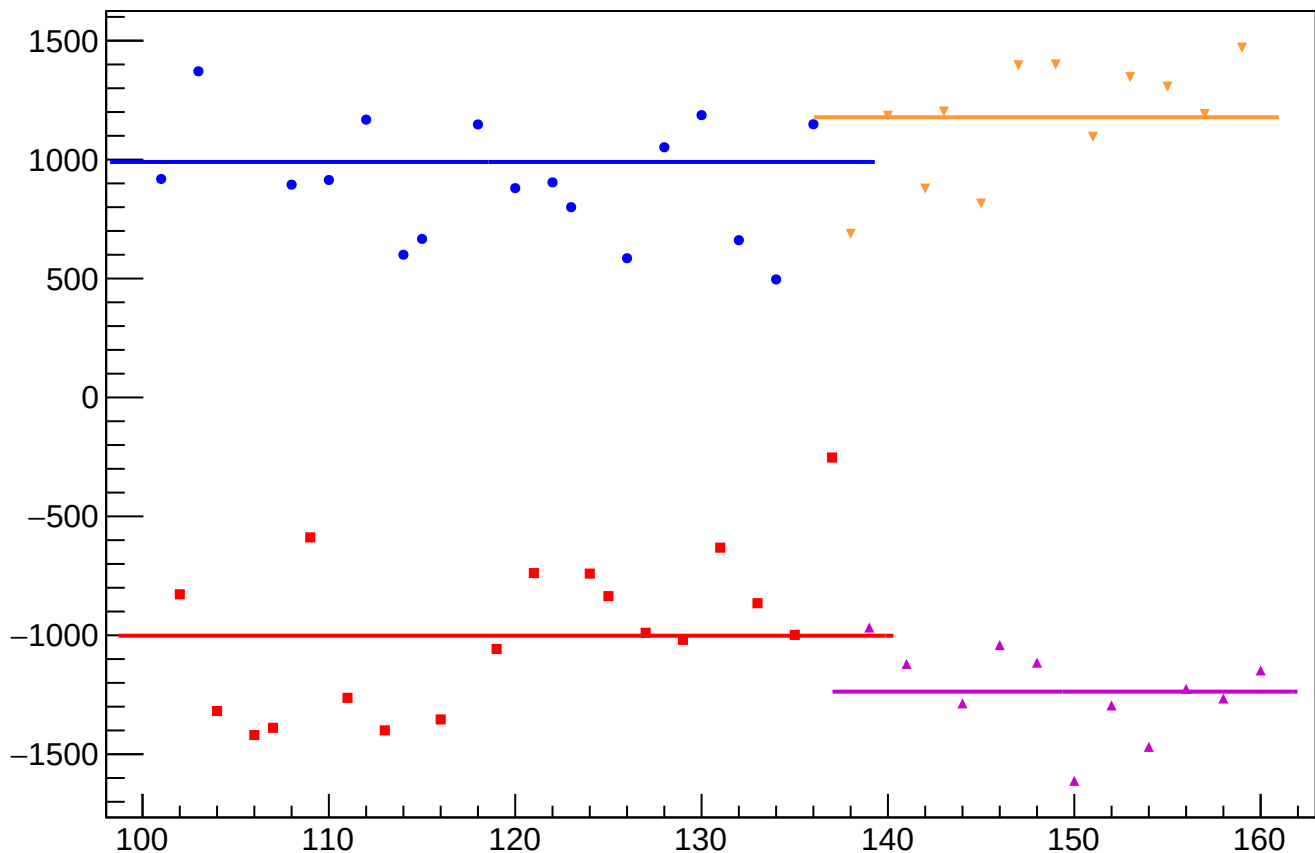
All: 224.860 +/- 0.000 χ^2/NDF : 145986839293

dit_atl2_coil6_err_mean vs Slug, Sign Corrected



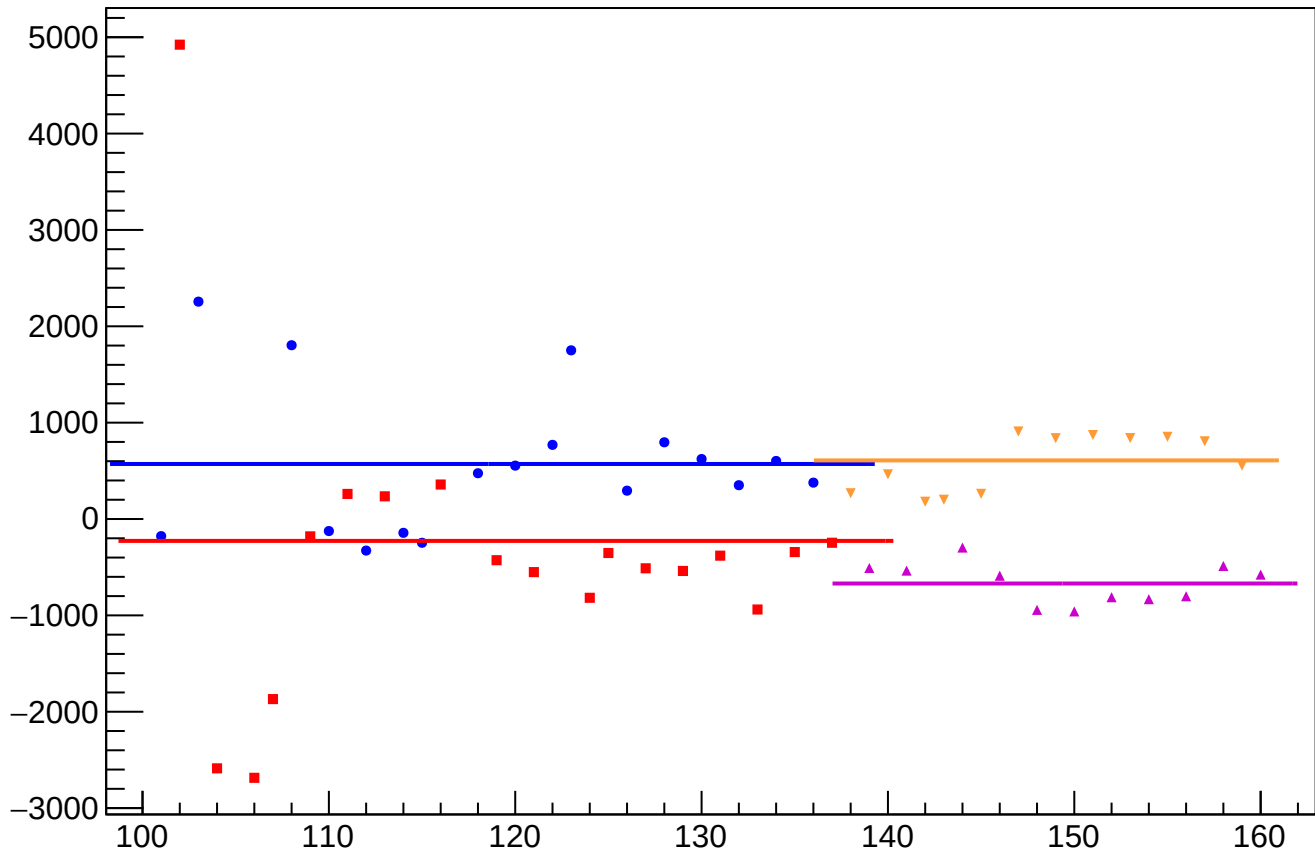
Right In: 1288.972+/-0.000 χ^2/NDF : 1352910763882575479104094227028785496064.0/16
 Left Out: 689.077+/-0.000 χ^2/NDF : 51672387047118863079417001056116146176.0/11
 Right Out: -1274.734+/-0.000 χ^2/NDF : 1316265489507064730168544372361657319424.0/17
 Left In: -711.332+/-0.000 χ^2/NDF : 15887933249894385970628581231809265664.0/10
 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

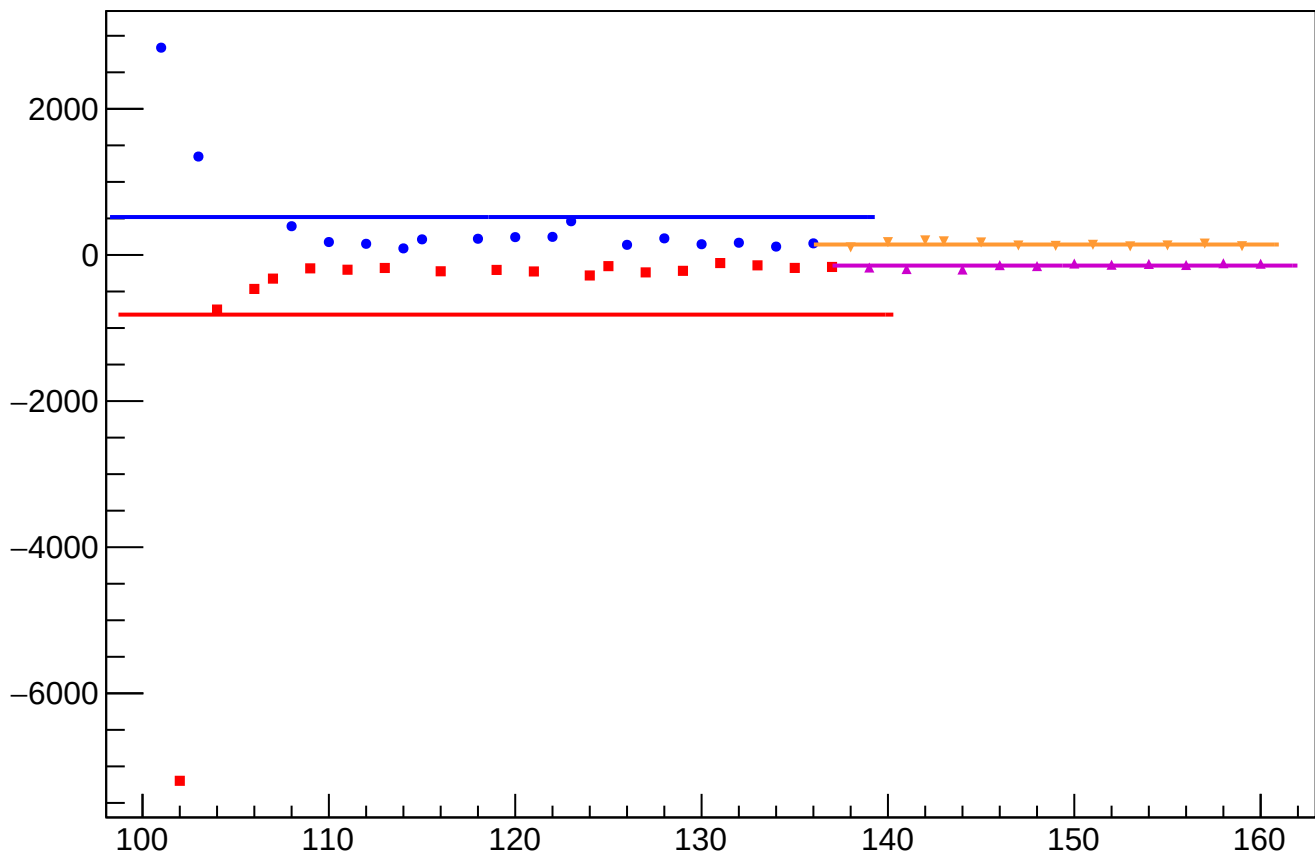
χ^2/NDF : 2178465037537899335461890002061994491904.0/17

Left In: -669.223+/-0.000

χ^2/NDF : 39382312244115775396192244581527453696.0/10

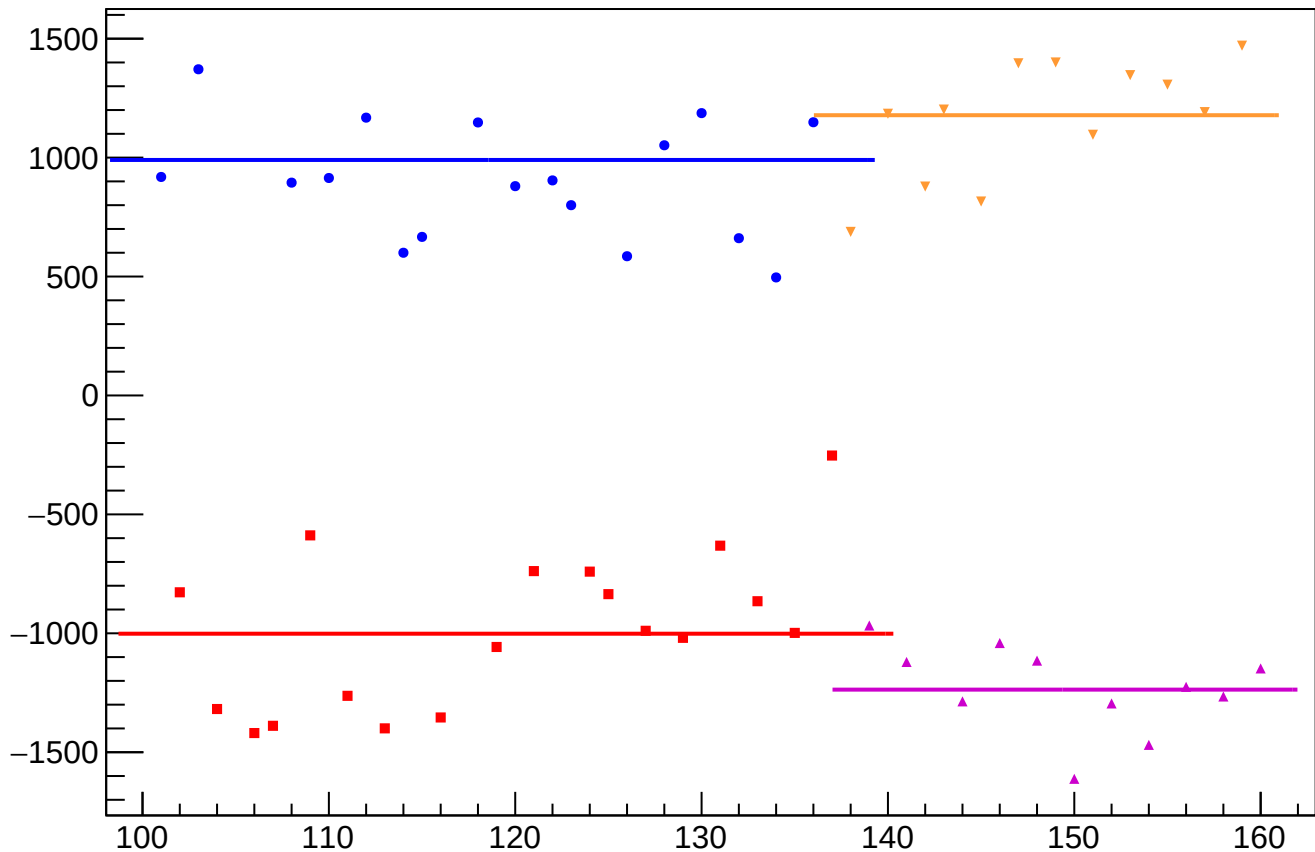
All: 50.040+/-0.000 χ^2/NDF : 3645028648995

dit_atr1_coil6_err_mean vs Slug, Sign Corrected



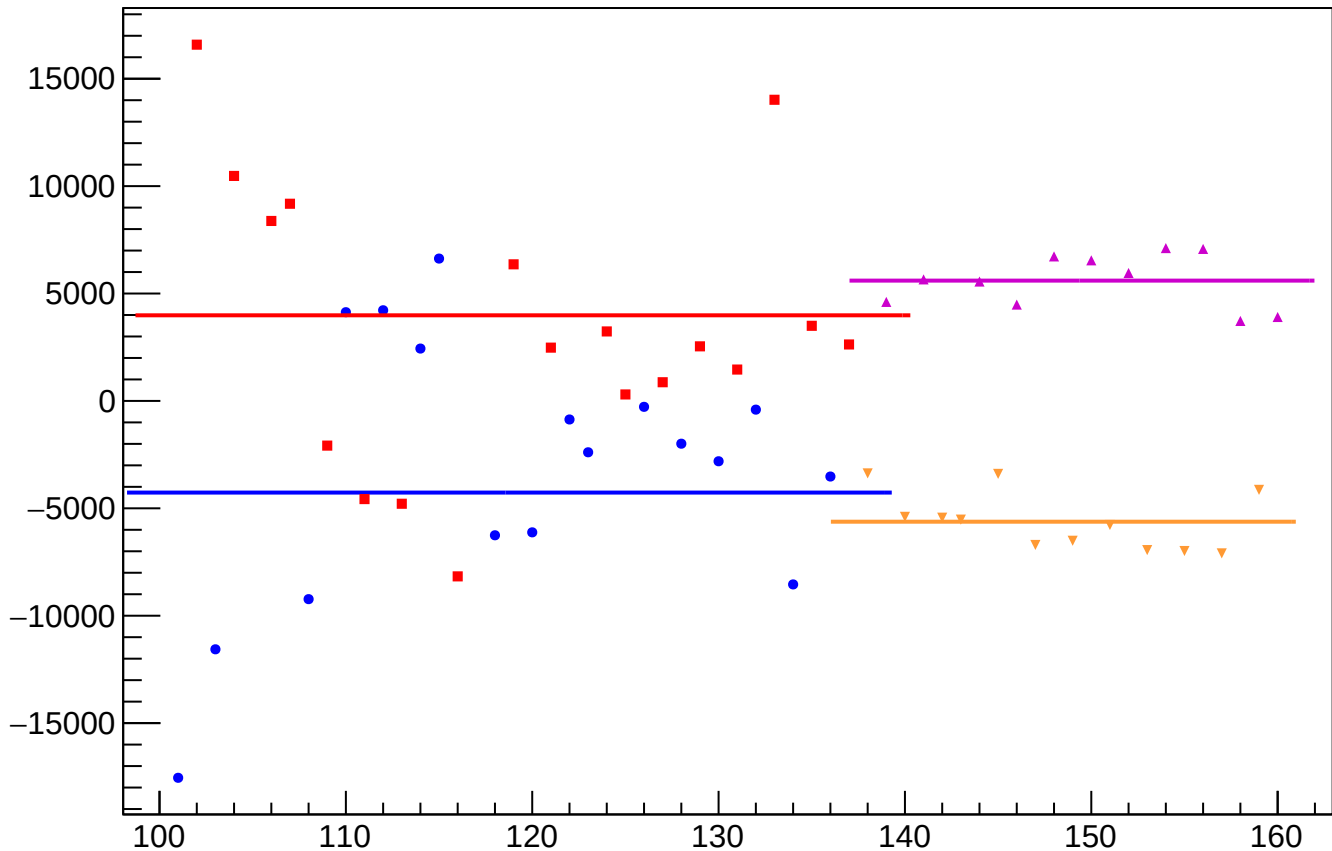
Right In: 519.063+/-0.000 χ^2/NDF : 420187131793740379632134790837132328960.0/16
 Left Out: 143.116+/-0.000 χ^2/NDF : 711290210266154833943358309092294656.0/11
 Right Out: -816.445+/-0.000 χ^2/NDF : 2586841774338234136799977462346624794624.0/17
 Left In: -145.264+/-0.000 χ^2/NDF : 787451488433589165323793528208228352.0/10
 All: -70.430+/-0.000 χ^2/NDF : 369429588208

dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected



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 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_atr2_coil6_mean vs Slug, Sign Corrected



Right In: -4266.932 +/- 0.000

χ^2/NDF : 25403959108162984315551486343624496513024.0/16

Left Out: -5623.118 +/- 0.000

χ^2/NDF : 1581209031874296874377039249105372577792.0/11

Right Out: 3985.866 +/- 0.000

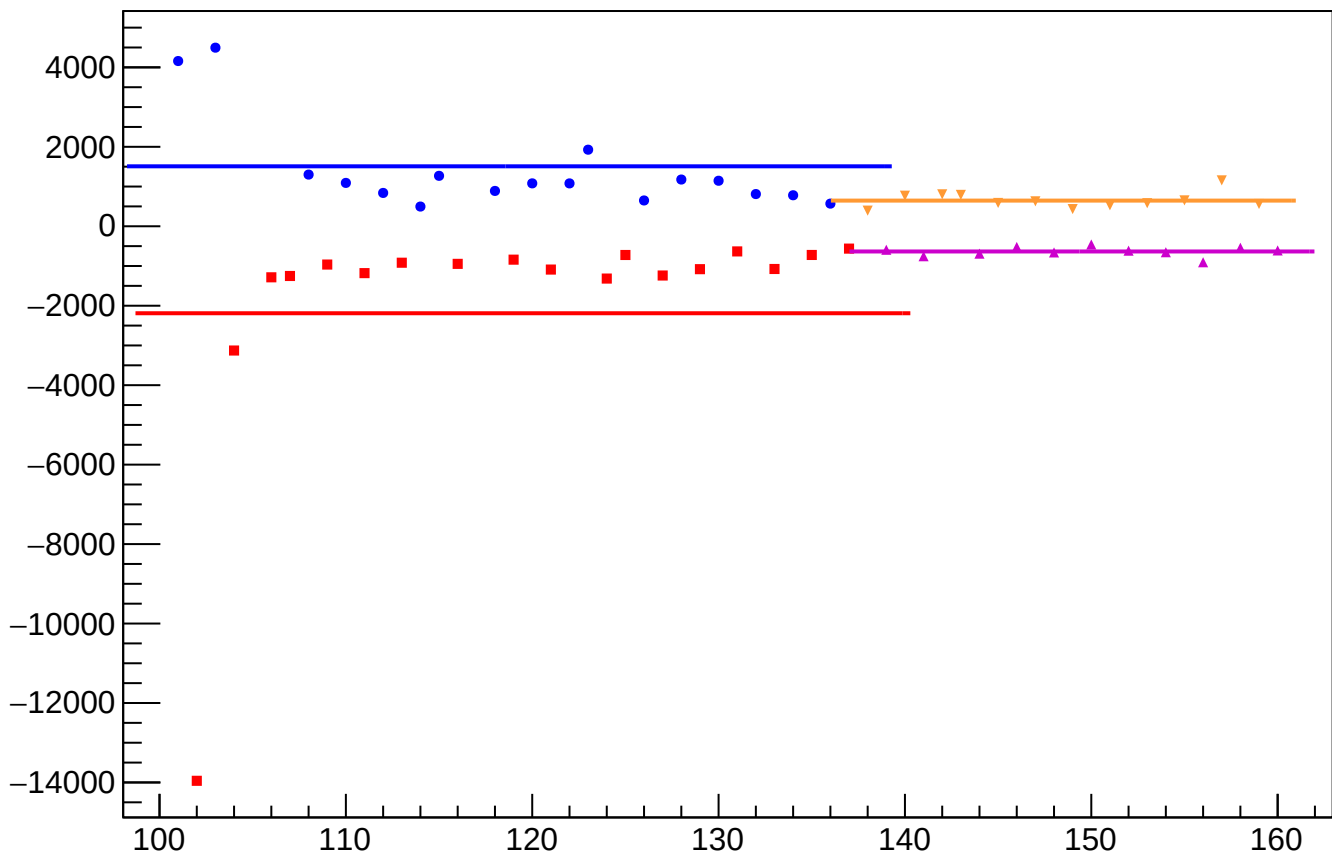
χ^2/NDF : 31378292211366162940134938718336985333760.0/17

Left In: 5600.969 +/- 0.000

χ^2/NDF : 1284033803057879693677598537255558840320.0/10

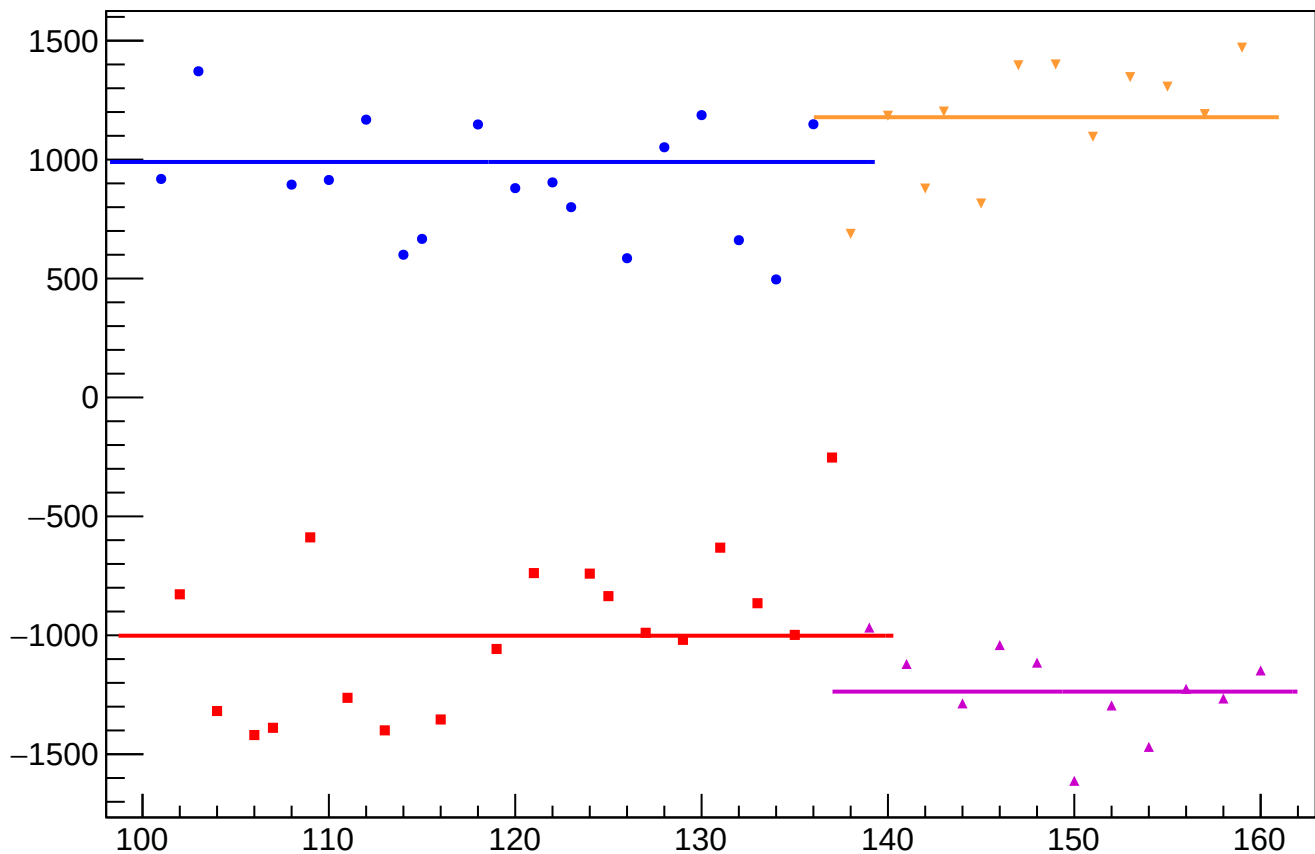
All: 0.902 +/- 0.000 χ^2/NDF : 14165334325845

dit_atr2_coil6_err_mean vs Slug, Sign Corrected



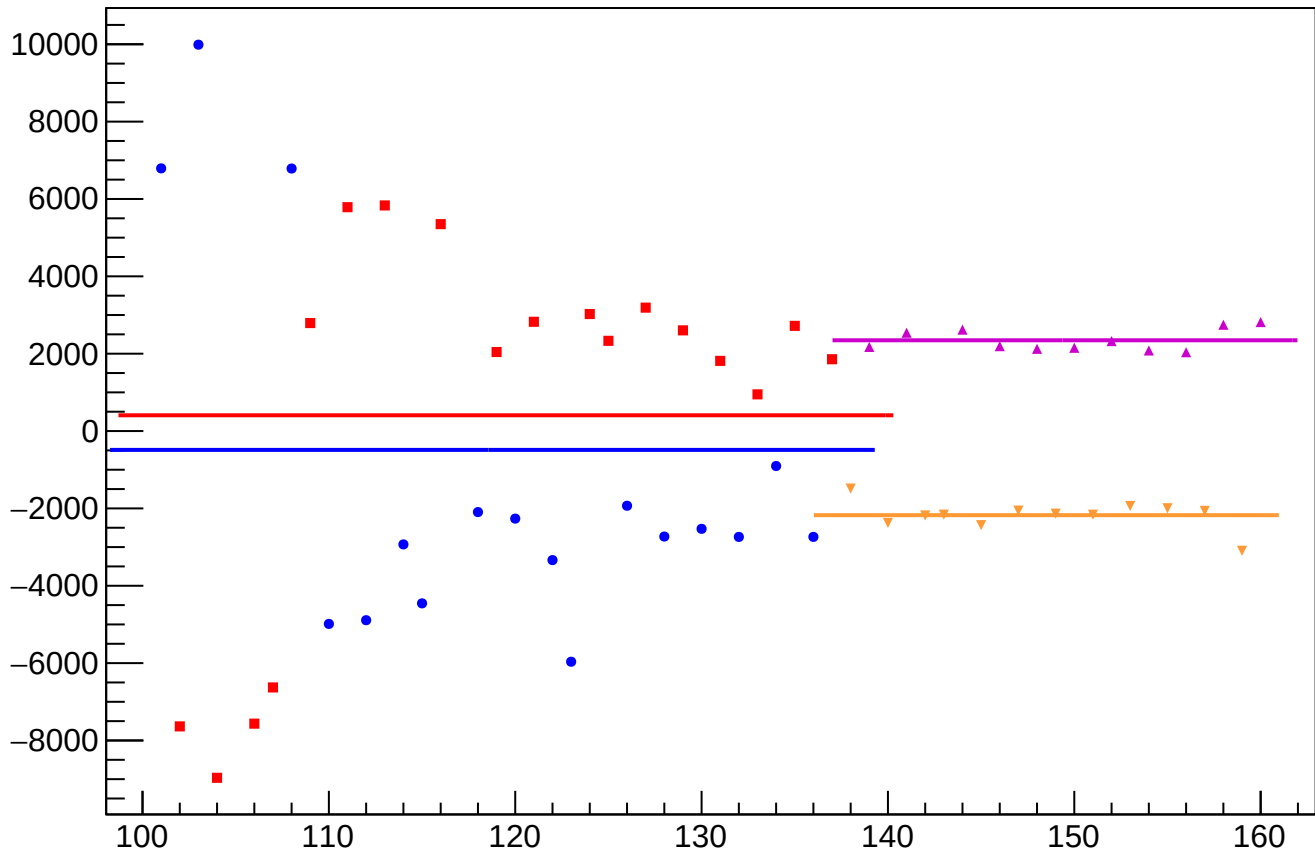
Right In: 1509.121+/-0.000 χ^2/NDF : 1169972089698319936649693761541425332224.0/16
 Left Out: 646.174+/-0.000 χ^2/NDF : 34105781677425395538056373827956375552.0/11
 Right Out: -2189.301+/-0.000 χ^2/NDF : 8986539063289018670432989988372162281472.0/17
 Left In: -634.343+/-0.000 χ^2/NDF : 12312915107383873124917312703313215488.0/10
 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

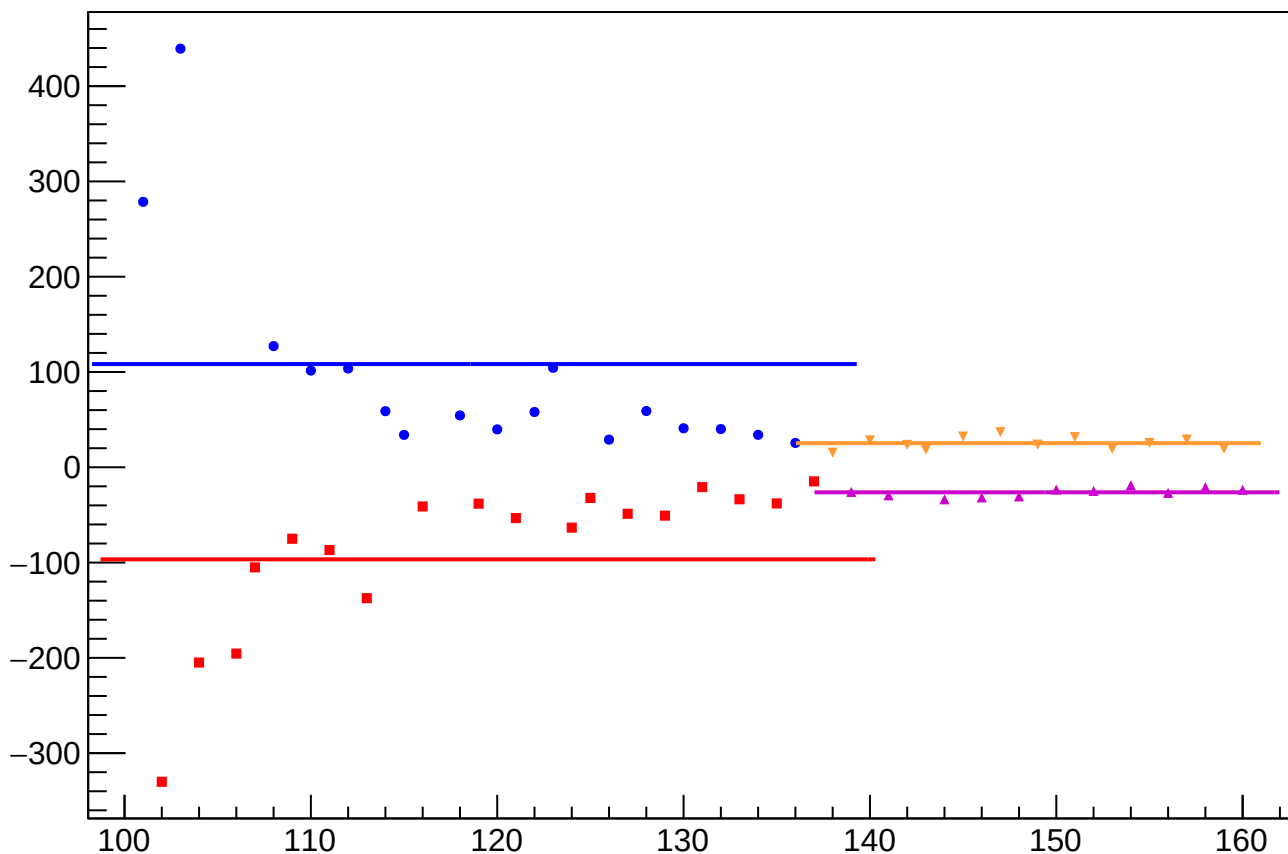
χ^2/NDF : 17046160329483633481850056075702270164992.0/17

Left In: 2346.925+/-0.000

χ^2/NDF : 6716906327196763069010620899655680.0/10

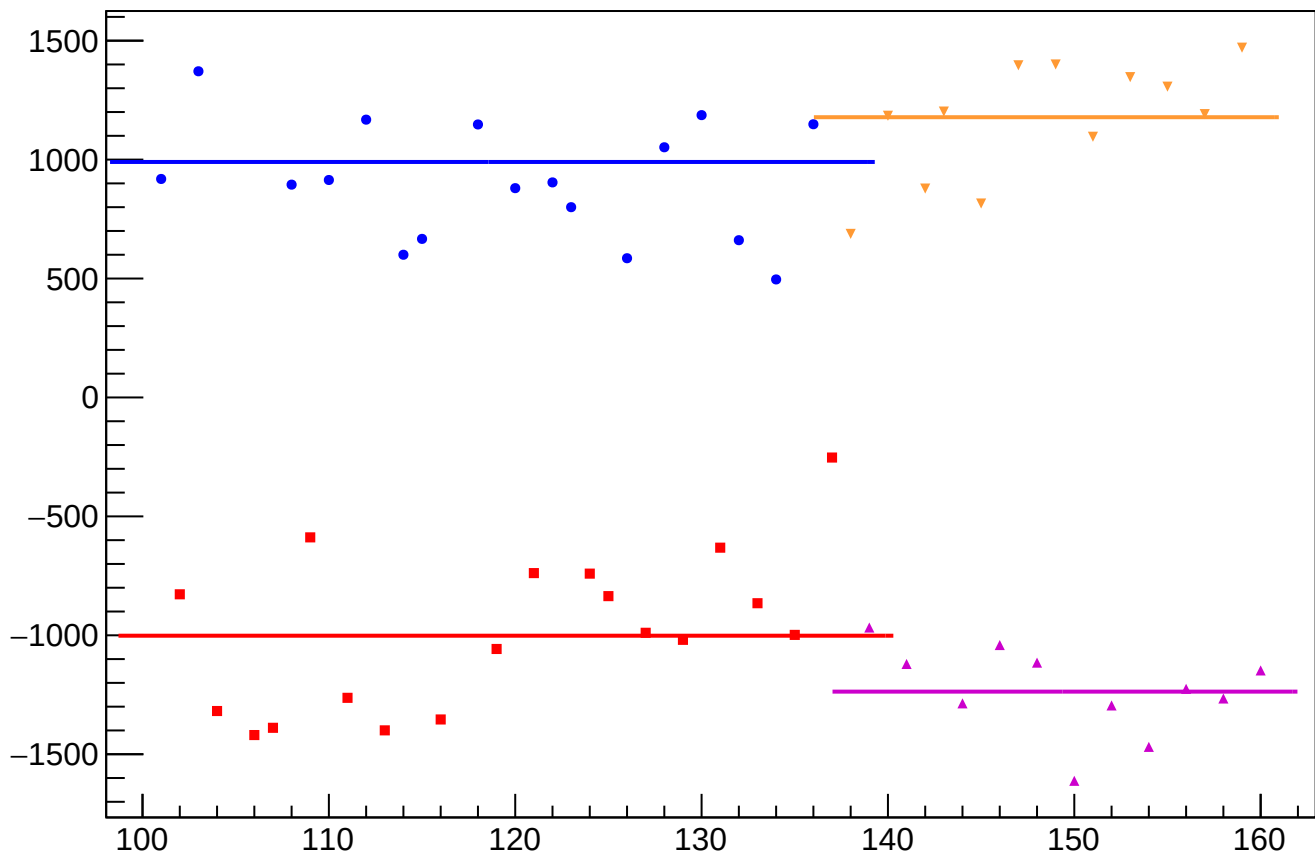
All: 51.090+/-0.000 χ^2/NDF : 4242647048675

dit_sam1_coil6_err_mean vs Slug, Sign Corrected



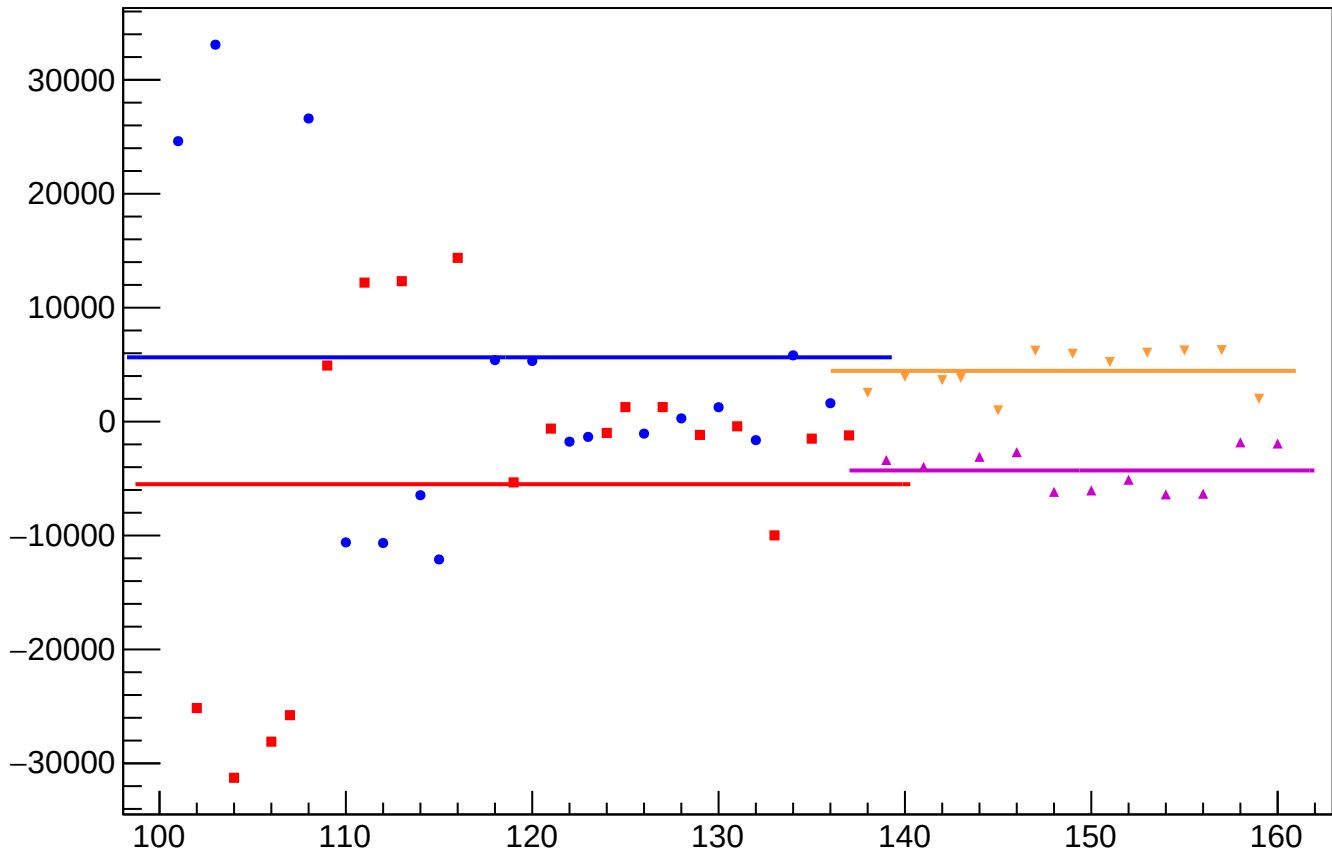
Right In: 108.310 $\pm$ 0.000 χ^2 /NDF: 10240592139421231918957200369451532288.0/16
 Left Out: 25.343 $\pm$ 0.000 χ^2 /NDF: 36110419999442203641332872035434496.0/11
 Right Out: -96.612 $\pm$ 0.000 χ^2 /NDF: 5525873832888071130304914389362278400.0/17
 Left In: -26.267 $\pm$ 0.000 χ^2 /NDF: 18381454665021153689982878819024896.0/10
 All: 1.421 $\pm$ 0.000 χ^2 /NDF: 31856999300877

dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected



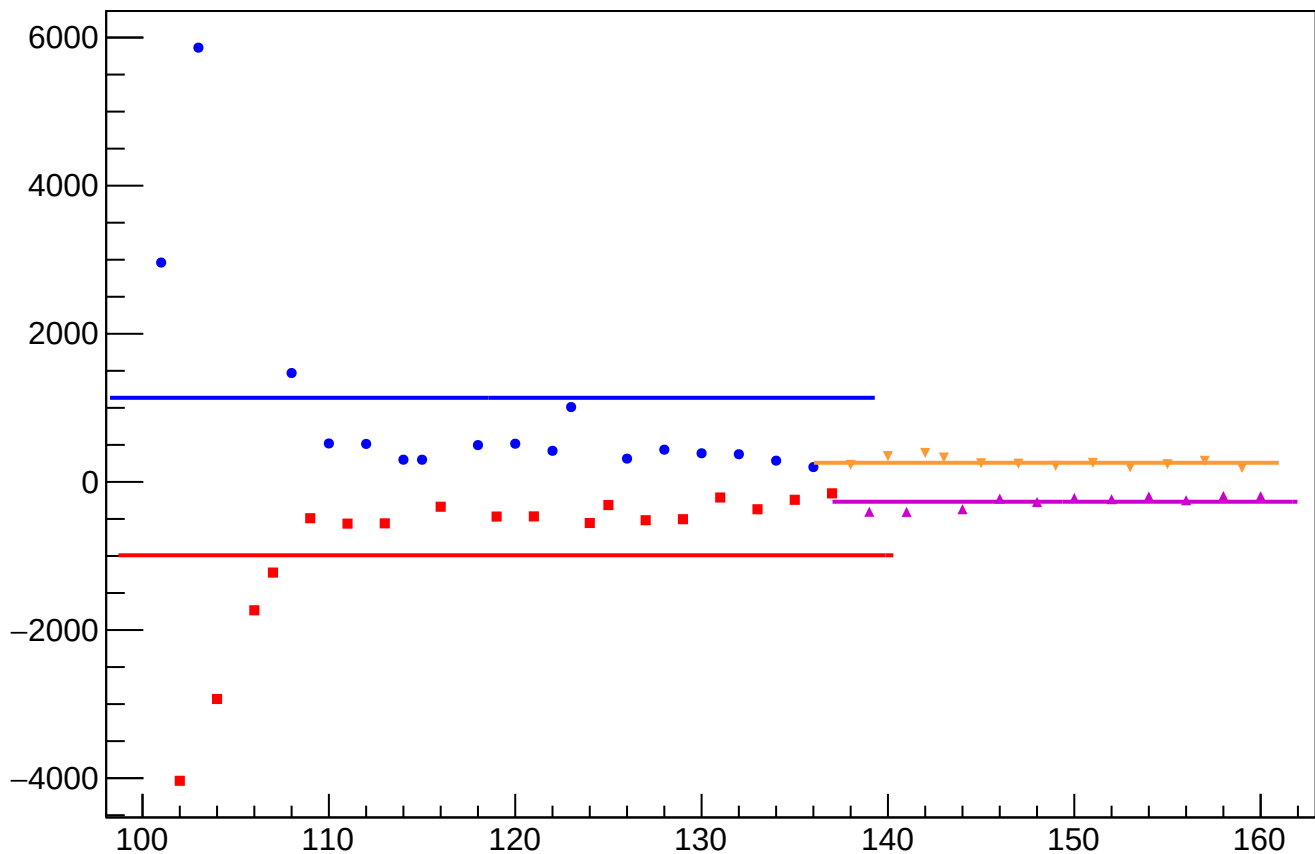
Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_sam2_coil6_mean vs Slug, Sign Corrected



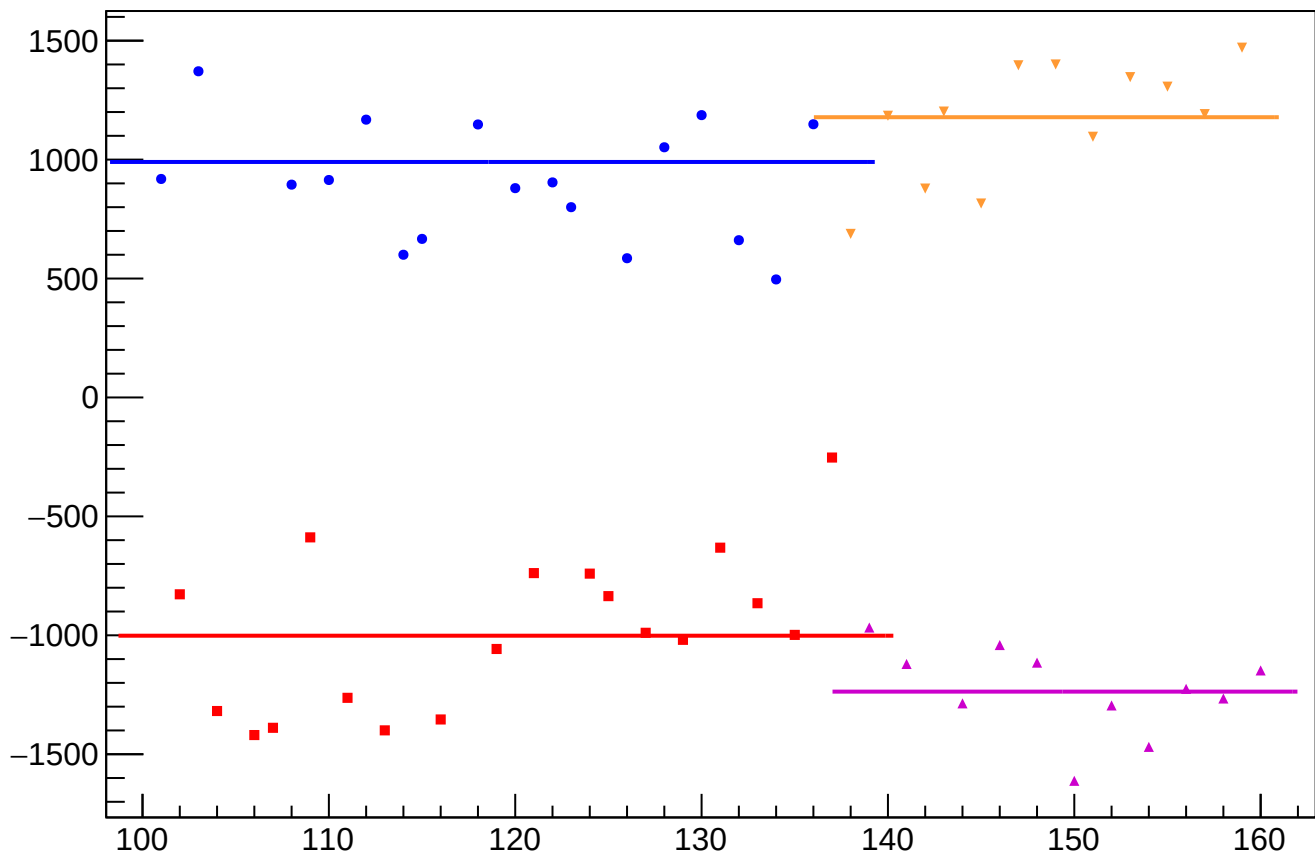
Right In: 5643.213 $\pm$ 0.000 χ^2 /NDF: 120843746110128548402153277612724047577088.0/16
 Left Out: 4452.458 $\pm$ 0.000 χ^2 /NDF: 2985929789295198919987260133715107381248.0/11
 Right Out: -5495.452 $\pm$ 0.000 χ^2 /NDF: 139584988563962510194230278268369577705472.0/17
 Left In: -4288.058 $\pm$ 0.000 χ^2 /NDF: 273563671238509418745516578877797910528.0/10
 All: 10.356 $\pm$ 0.000 χ^2 /NDF: 3450198120051

dit_sam2_coil6_err_mean vs Slug, Sign Corrected



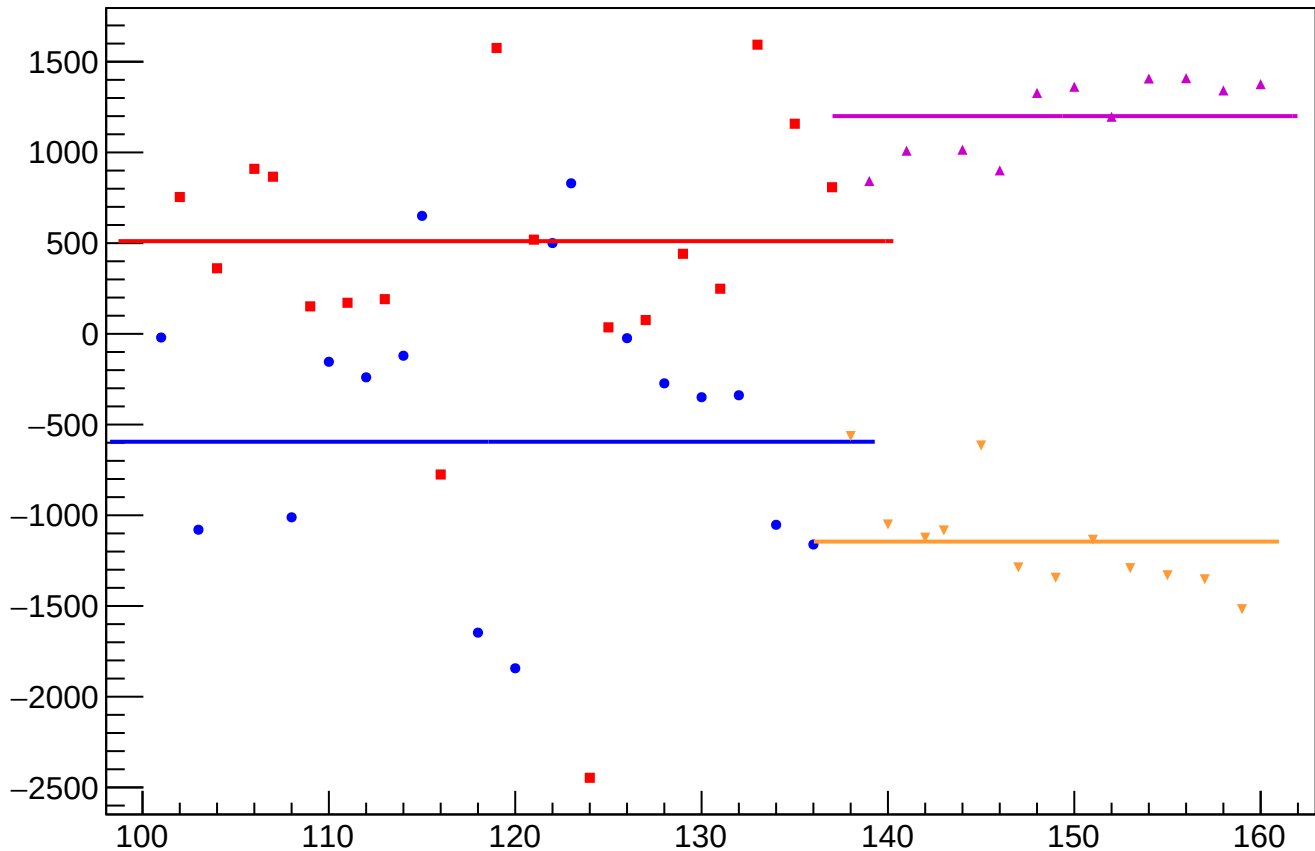
Right In: 1135.811+/-0.000 χ^2/NDF : 1824005819812756990146951558918737756160.0/16
 Left Out: 258.670+/-0.000 χ^2/NDF : 2829286833241859007622586413730496512.0/11
 Right Out: -990.520+/-0.000 χ^2/NDF : 932180516409120093653543317868461948928.0/17
 Left In: -267.701+/-0.000 χ^2/NDF : 5915399599612443264375094627914481664.0/10
 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

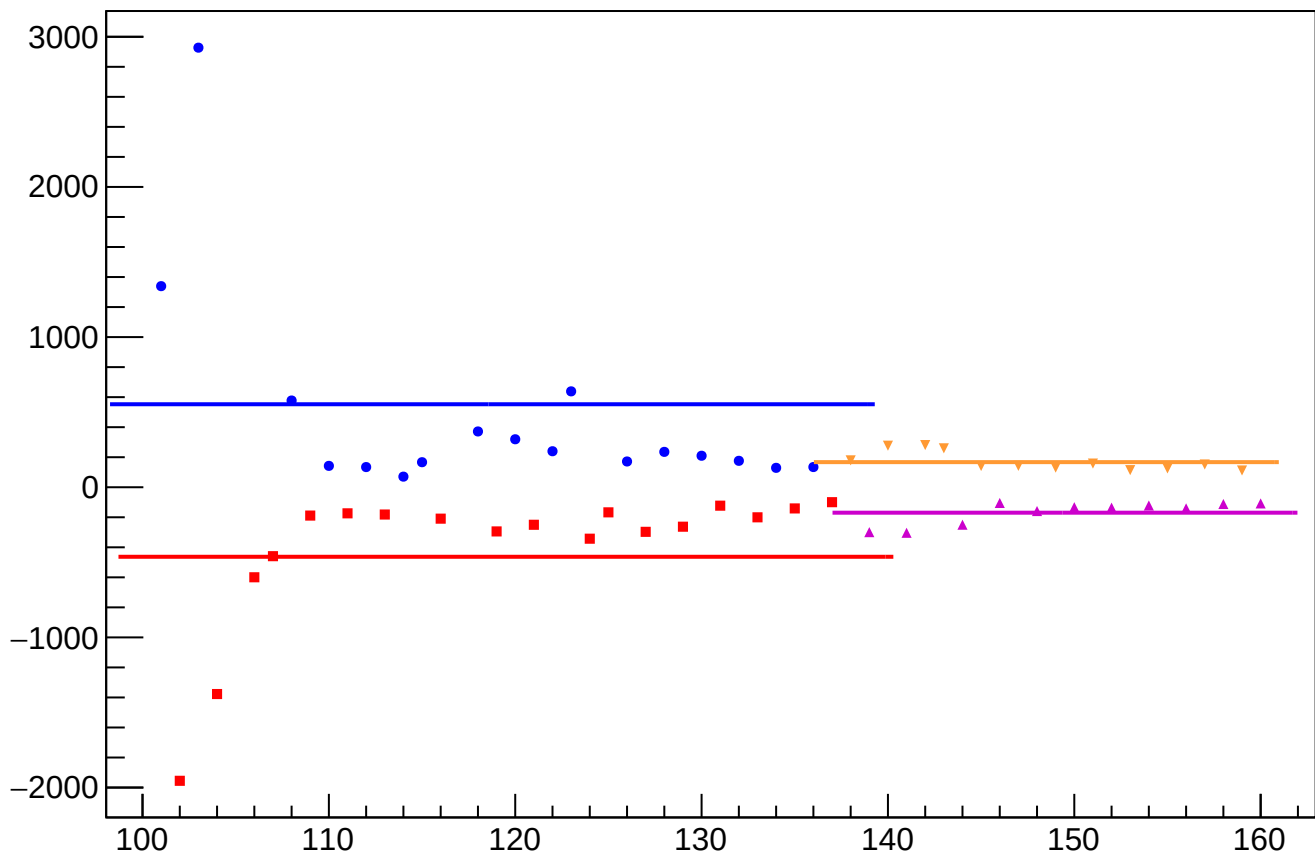
χ^2/NDF : 345692362052681149269006983787007967232.0/17

Left In: 1200.159+/-0.000

χ^2/NDF : 39206754972923098015710381582583857152.0/10

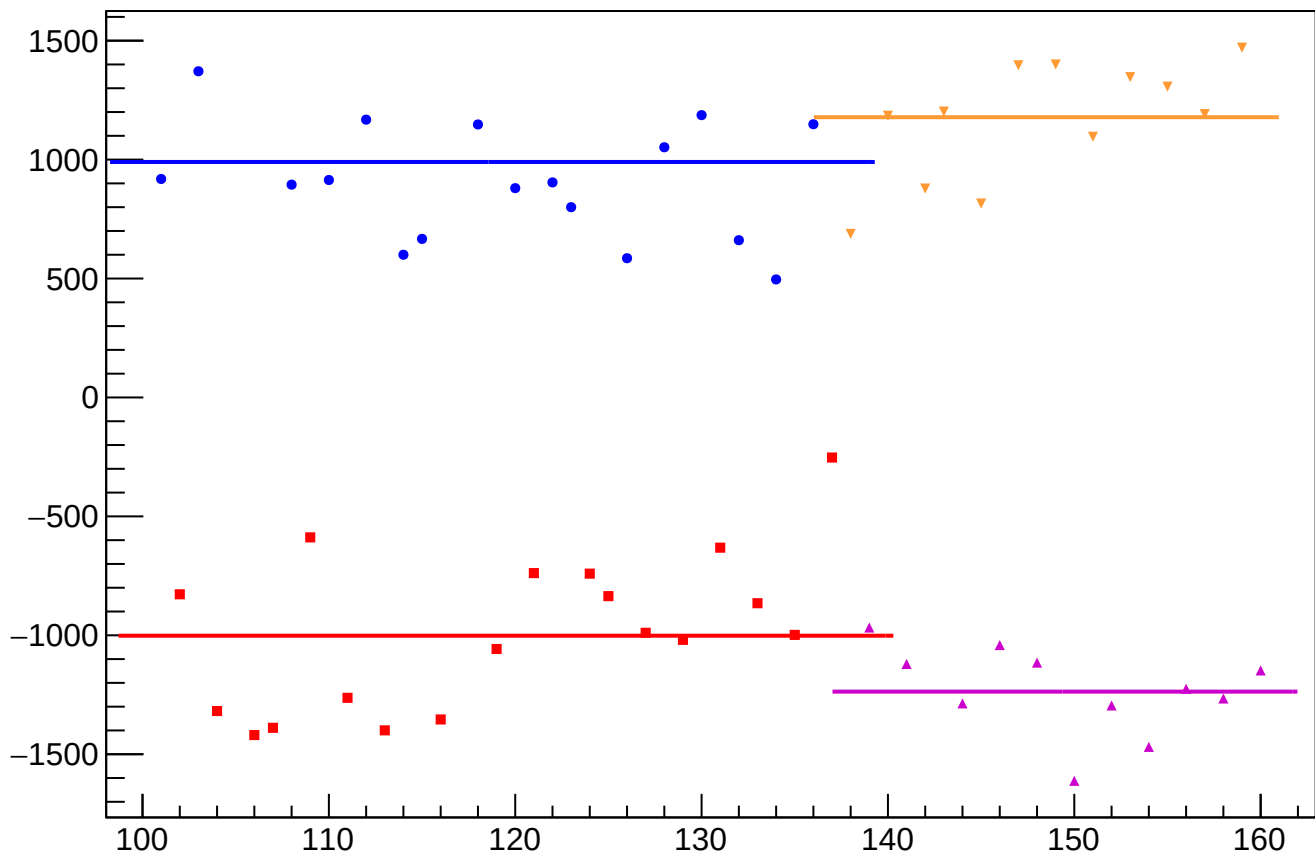
All: 9.720+/-0.000 χ^2/NDF : 37265736516506

dit_sam3_coil6_err_mean vs Slug, Sign Corrected



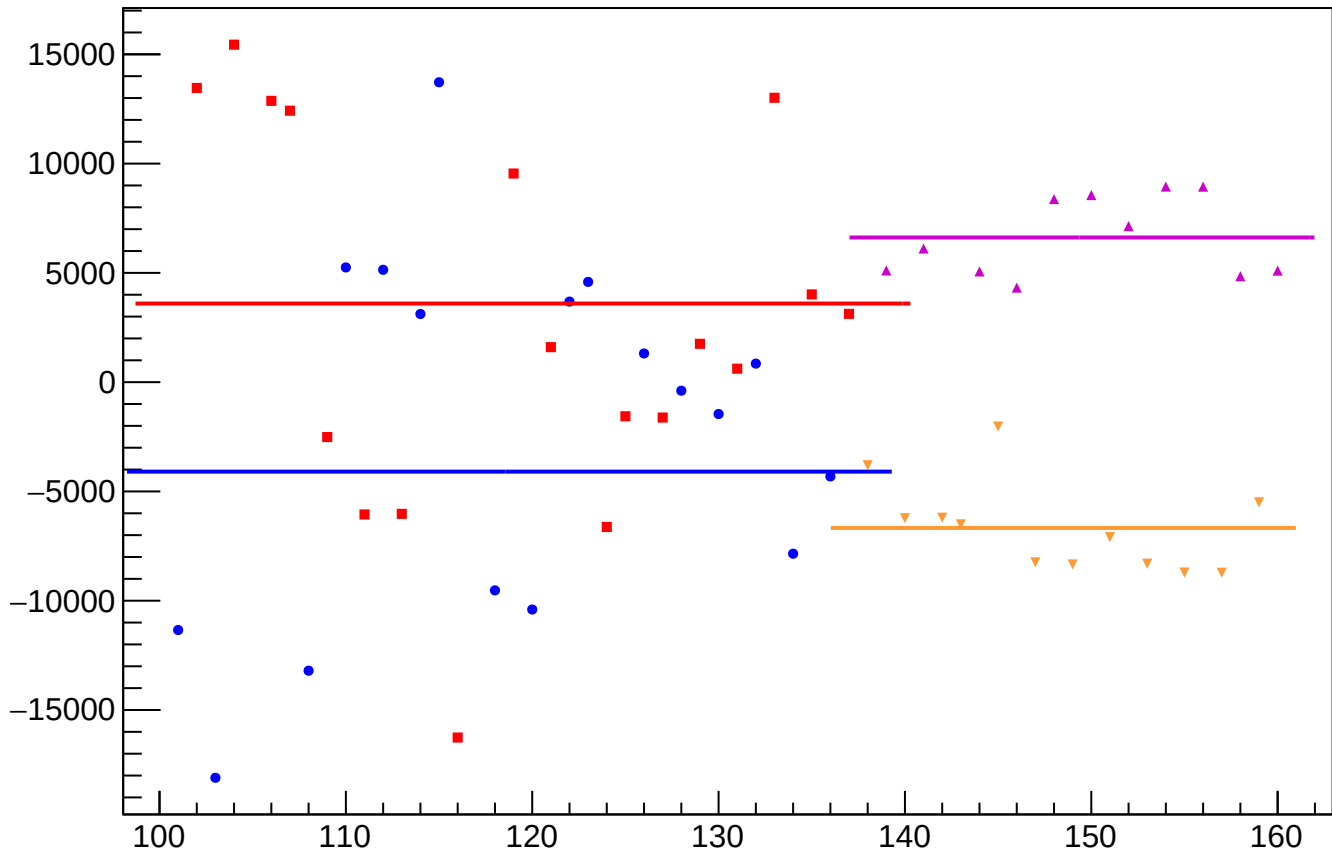
Right In: 552.756+/-0.000 χ^2/NDF : 438588904166490483585471990950715719680.0/16
 Left Out: 167.275+/-0.000 χ^2/NDF : 3021189019464897046042040078702739456.0/11
 Right Out: -463.044+/-0.000 χ^2/NDF : 209305475229629435748794855521804877824.0/17
 Left In: -169.476+/-0.000 χ^2/NDF : 4886350669326169514376198750149279744.0/10
 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 $\pm$ 0.000

Left Out: -6670.950 $\pm$ 0.000

Right Out: 3597.313 $\pm$ 0.000

Left In: 6619.709 $\pm$ 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 $\pm$ 0.000 χ^2/NDF : 87947728718385241

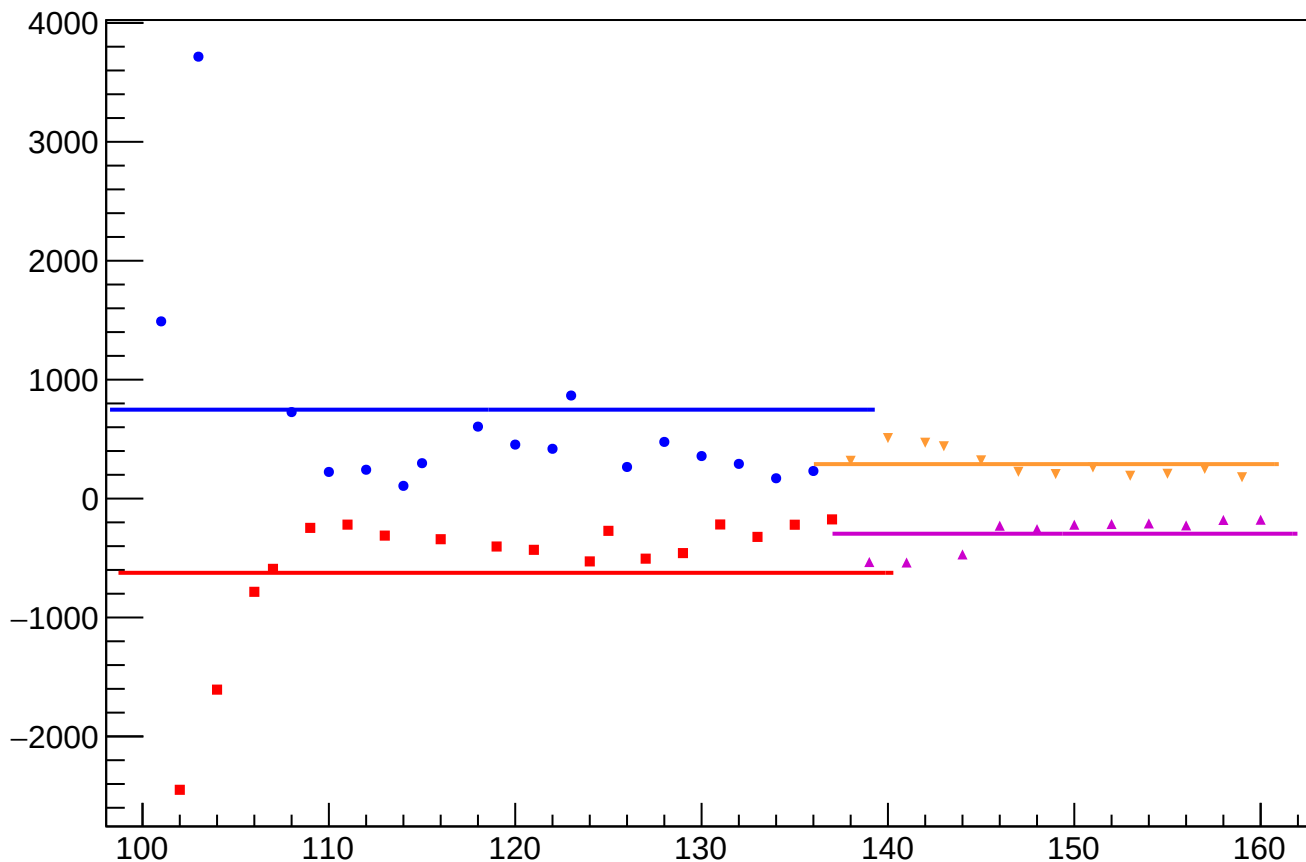
Right: -190.923 $\pm$ 0.000 χ^2/NDF : 10832812445866

In: 2049.846 $\pm$ 0.000 χ^2/NDF : 8740097605988358

Out: -2150.132 $\pm$ 0.000 χ^2/NDF : 94588776360952

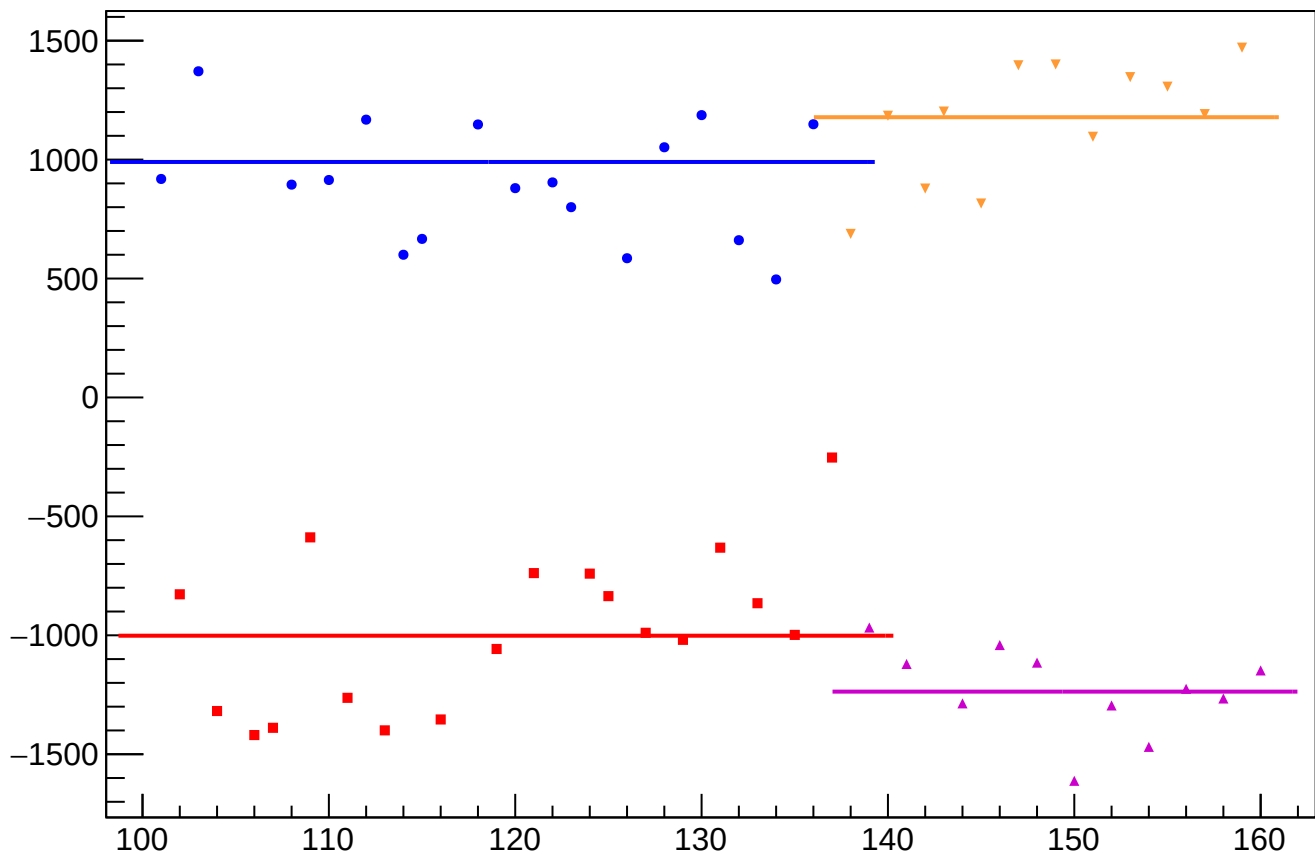
All: -48.205 $\pm$ 0.000 χ^2/NDF : 196326504713

dit_sam4_coil6_err_mean vs Slug, Sign Corrected



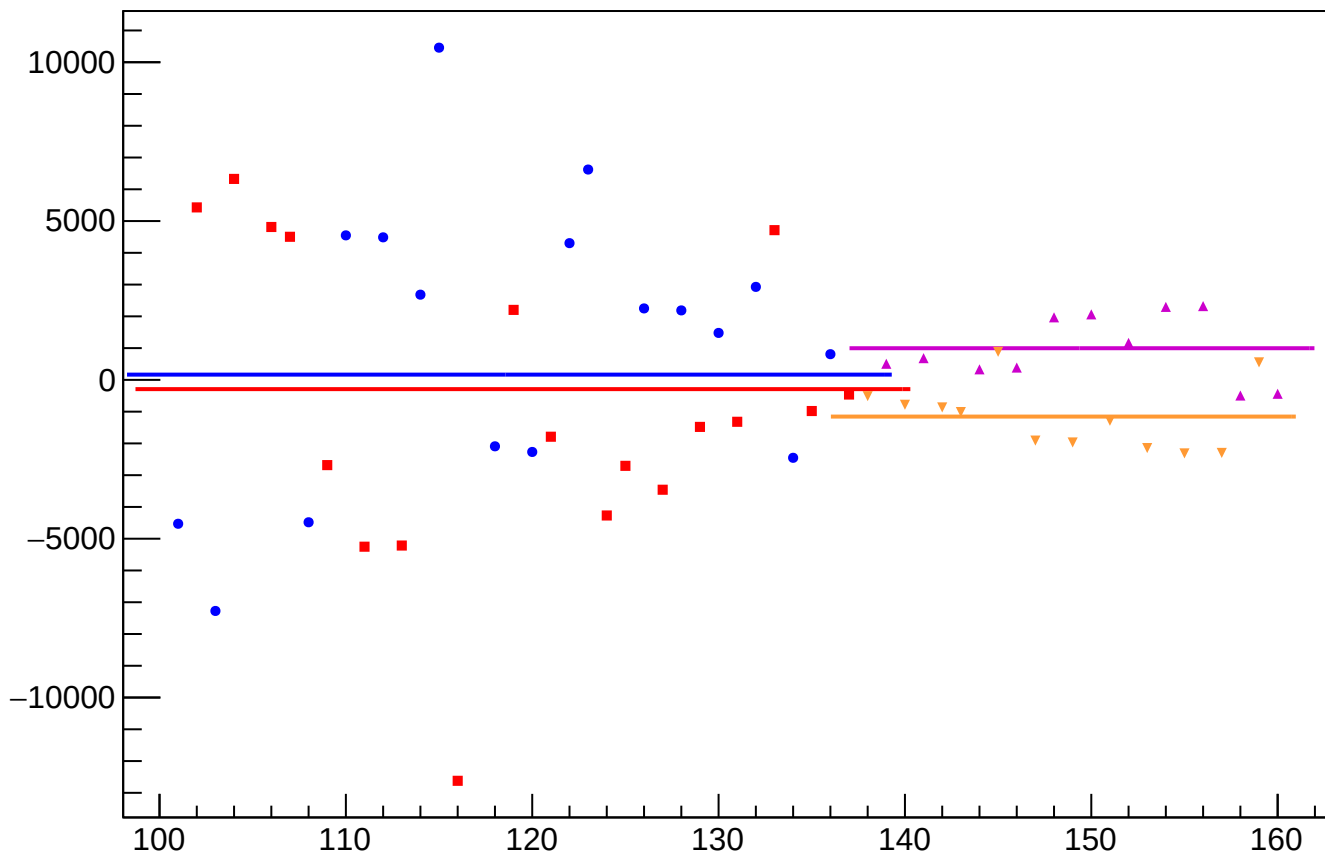
Right In: 747.700+/-0.000 χ^2/NDF : 65093293799436921921443577270989717504.0/16
 Left Out: 289.811+/-0.000 χ^2/NDF : 10481549601194900606923730784744374272.0/11
 Right Out: -624.223+/-0.000 χ^2/NDF : 296243096292052743688943276873819881472.0/17
 Left In: -295.493+/-0.000 χ^2/NDF : 17160133140926555155362591865869172736.0/10
 All: 18.557+/-0.000 χ^2/NDF : 1798098672103

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

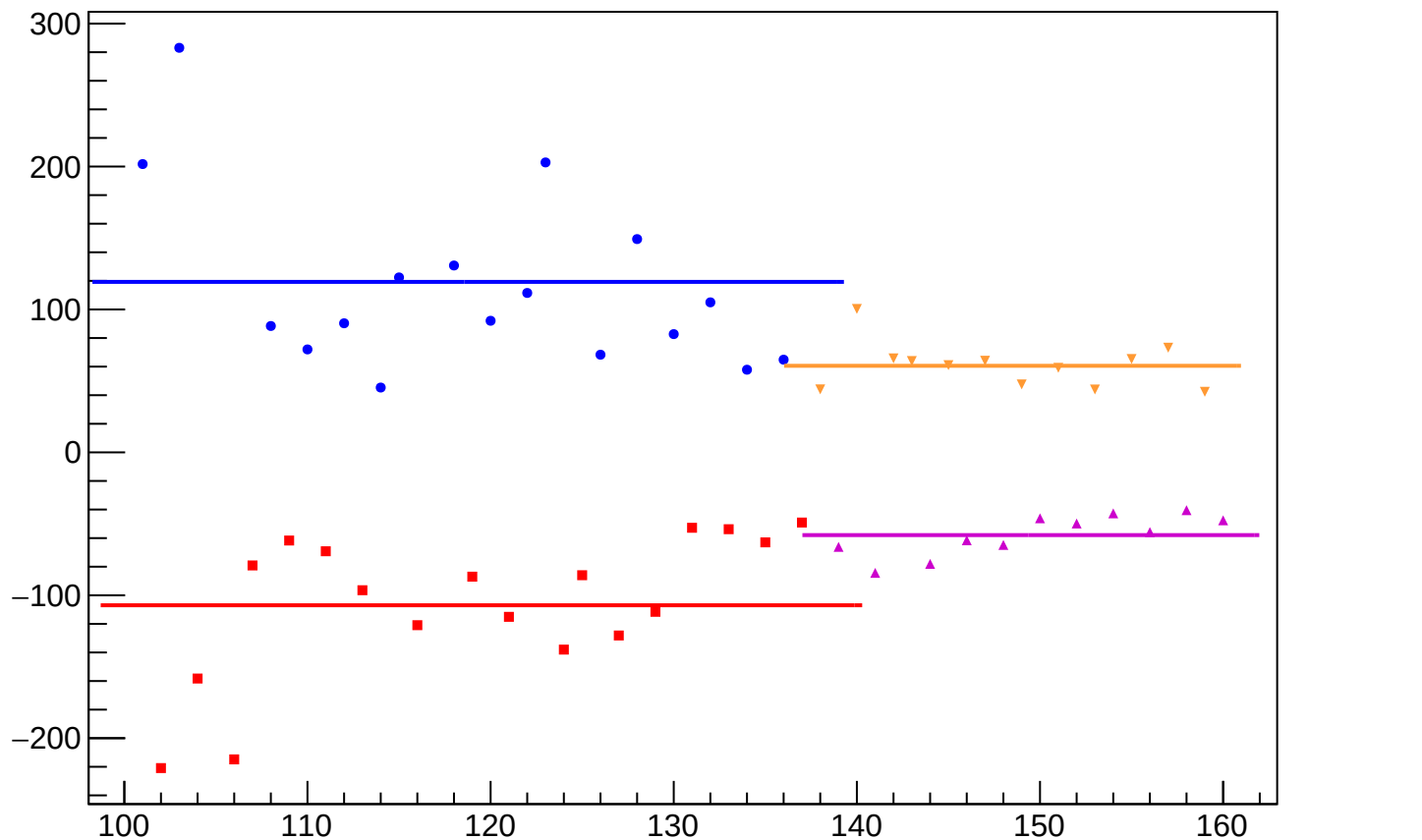
χ^2/NDF : 14672571981967891714112032575724497928192.0/17

Left In: 996.521 +/- 0.000

χ^2/NDF : 924719212965830410136097105357987381248.0/10

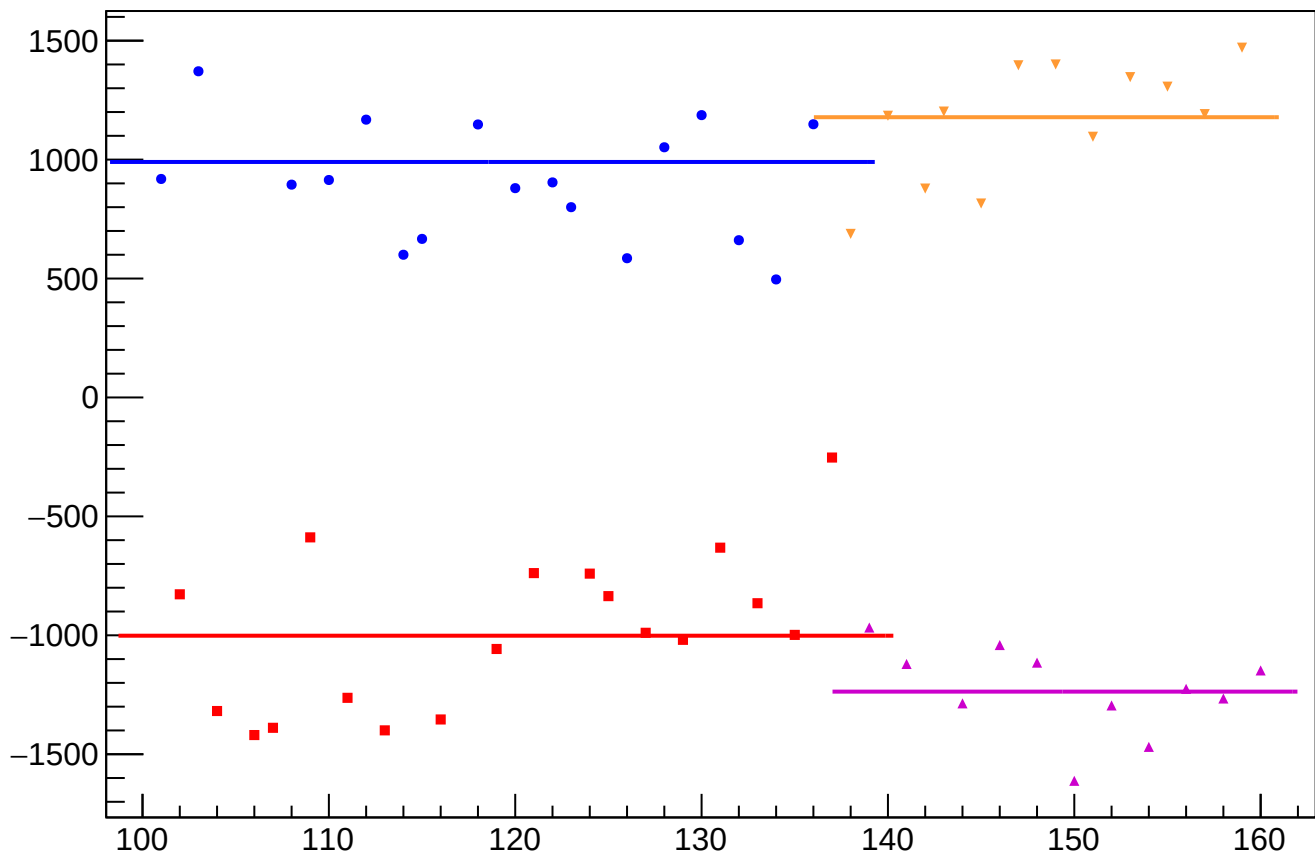
All: -65.719 +/- 0.000 χ^2/NDF : 294566748207

dit_sam5_coil6_err_mean vs Slug, Sign Corrected



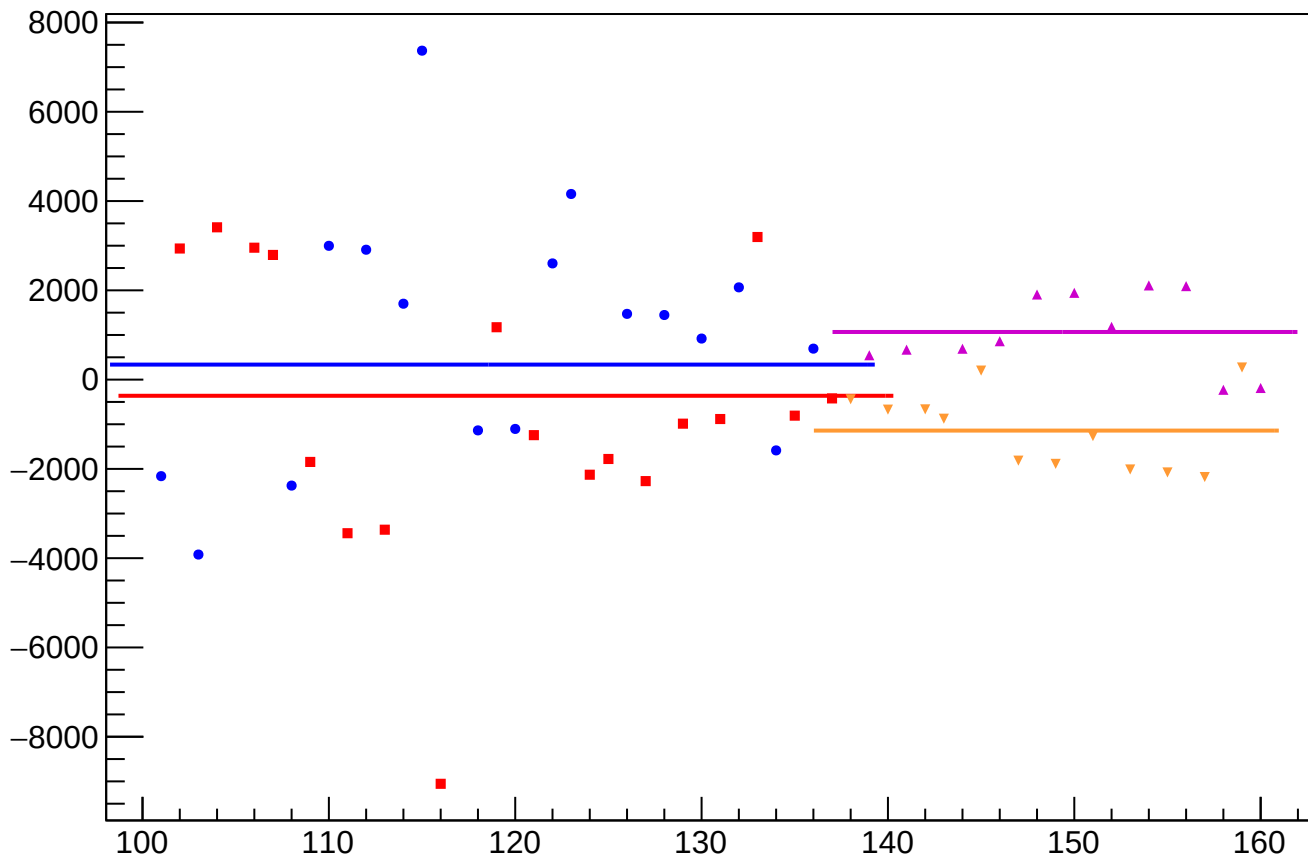
Right In: 119.288+/-0.000 χ^2/NDF : 2842654207411905514935251828991852544.0/16
 Left Out: 60.571+/-0.000 χ^2/NDF : 231982084385304468307819992004427776.0/11
 Right Out: -106.986+/-0.000 χ^2/NDF : 1915046958698396013008025410372370432.0/17
 Left In: -57.892+/-0.000 χ^2/NDF : 178748203070353408993612338219188224.0/10
 All: 2.257+/-0.000 χ^2/NDF : 29672950816930

dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected



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_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

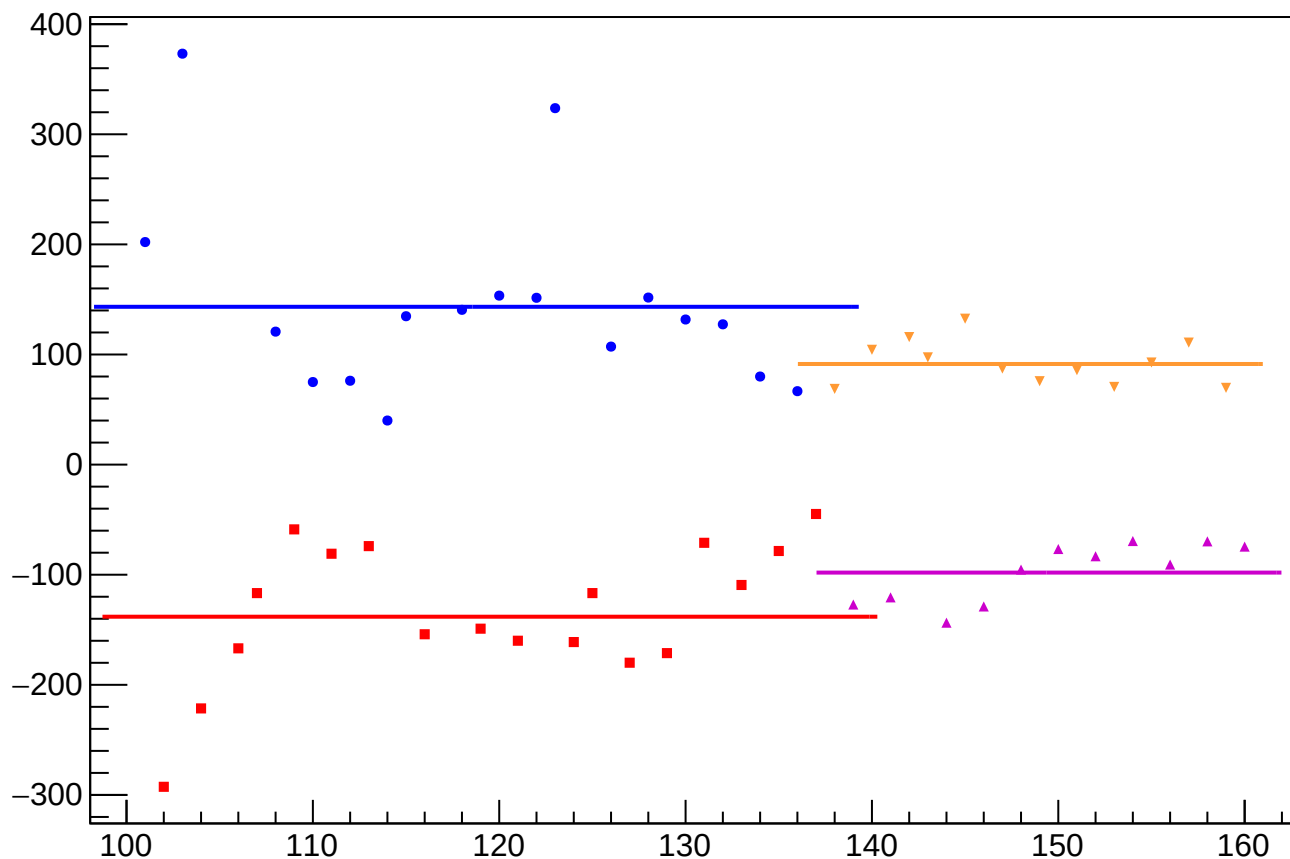
Out: -798.444 +/- 0.000 χ^2/NDF : 688057690299811

Left In: 1067.159 +/- 0.000

χ^2/NDF : 629450133544261438998185081673399402496.0/10

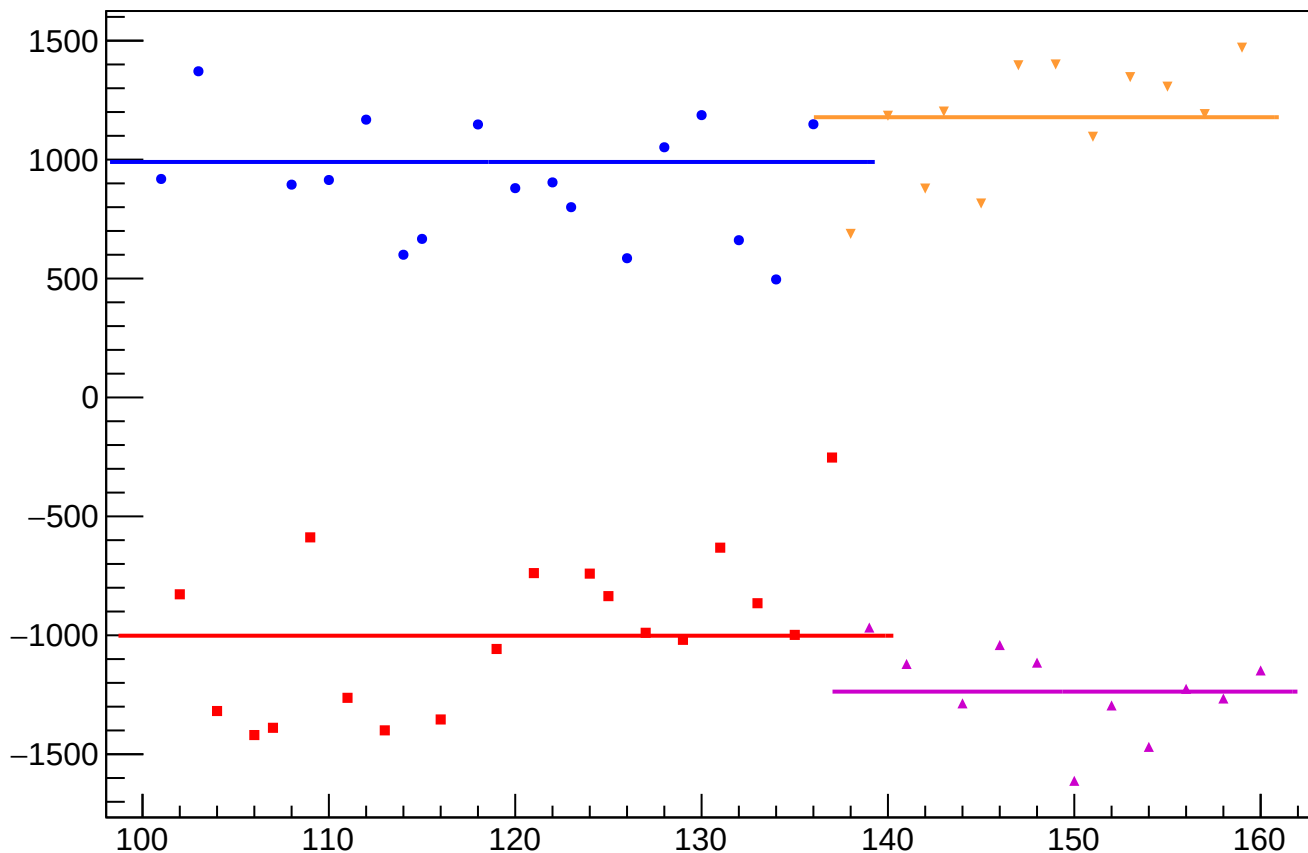
All: -20.750 +/- 0.000 χ^2/NDF : 133964602028

dit_sam6_coil6_err_mean vs Slug, Sign Corrected



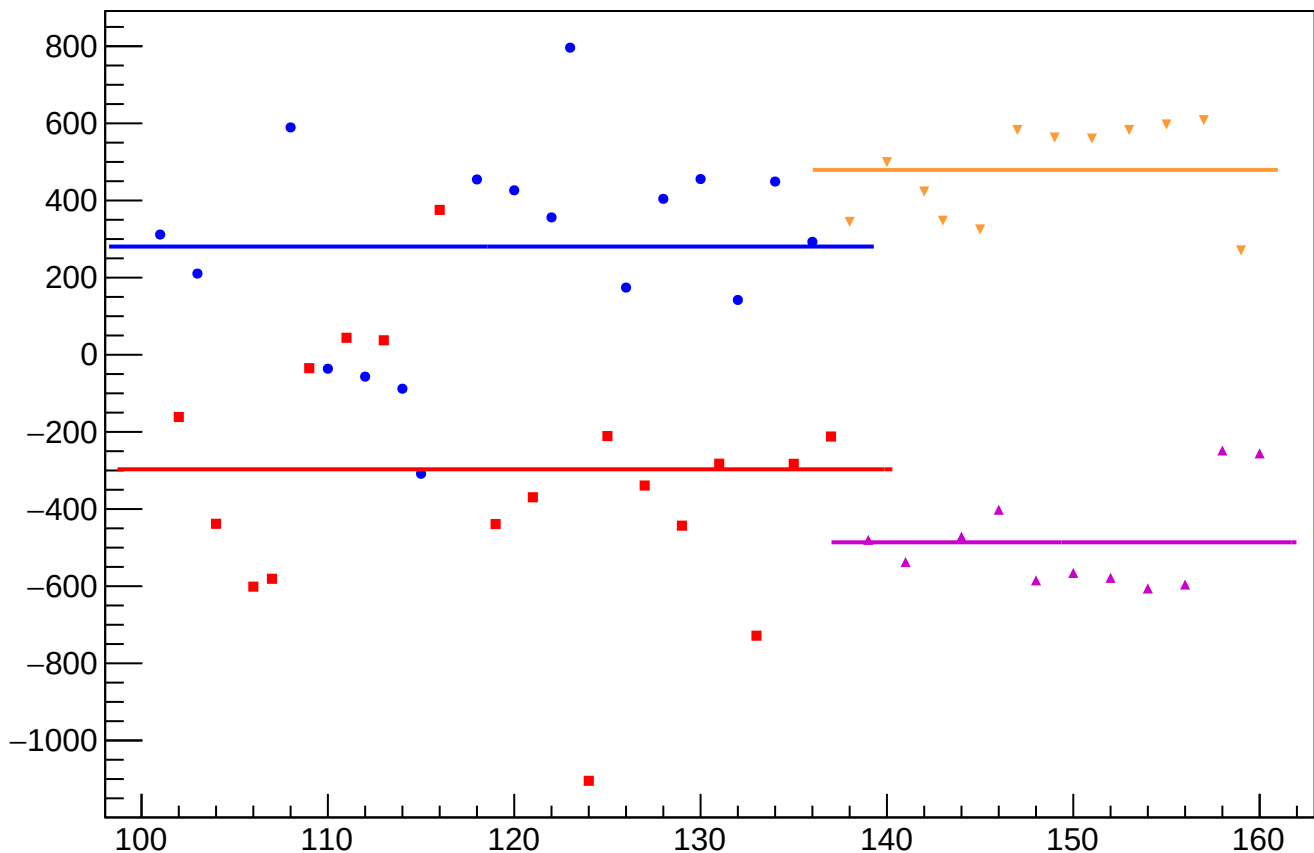
Left: -4.578 ± 0.000 $\chi^2/\text{NDF}: 17491553259507675$
 Right In: 143.327 ± 0.000 $\chi^2/\text{NDF}: 4671526487507242419296658853814337536.0/16$
 Left Out: 91.381 ± 0.000 $\chi^2/\text{NDF}: 342224682721014507534258785086341120.0/11$
 Right Out: -138.133 ± 0.000 $\chi^2/\text{NDF}: 3152322250150098804756661412355375104.0/17$
 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 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_sam7_coil6_mean vs Slug, Sign Corrected



Right In: 280.587+/-0.000

χ^2/NDF : 26873653578381248944514799501999865856.0/16

Left Out: 479.418+/-0.000

χ^2/NDF : 13285124498180385816264889724787752960.0/11

Right Out: -296.905+/-0.000

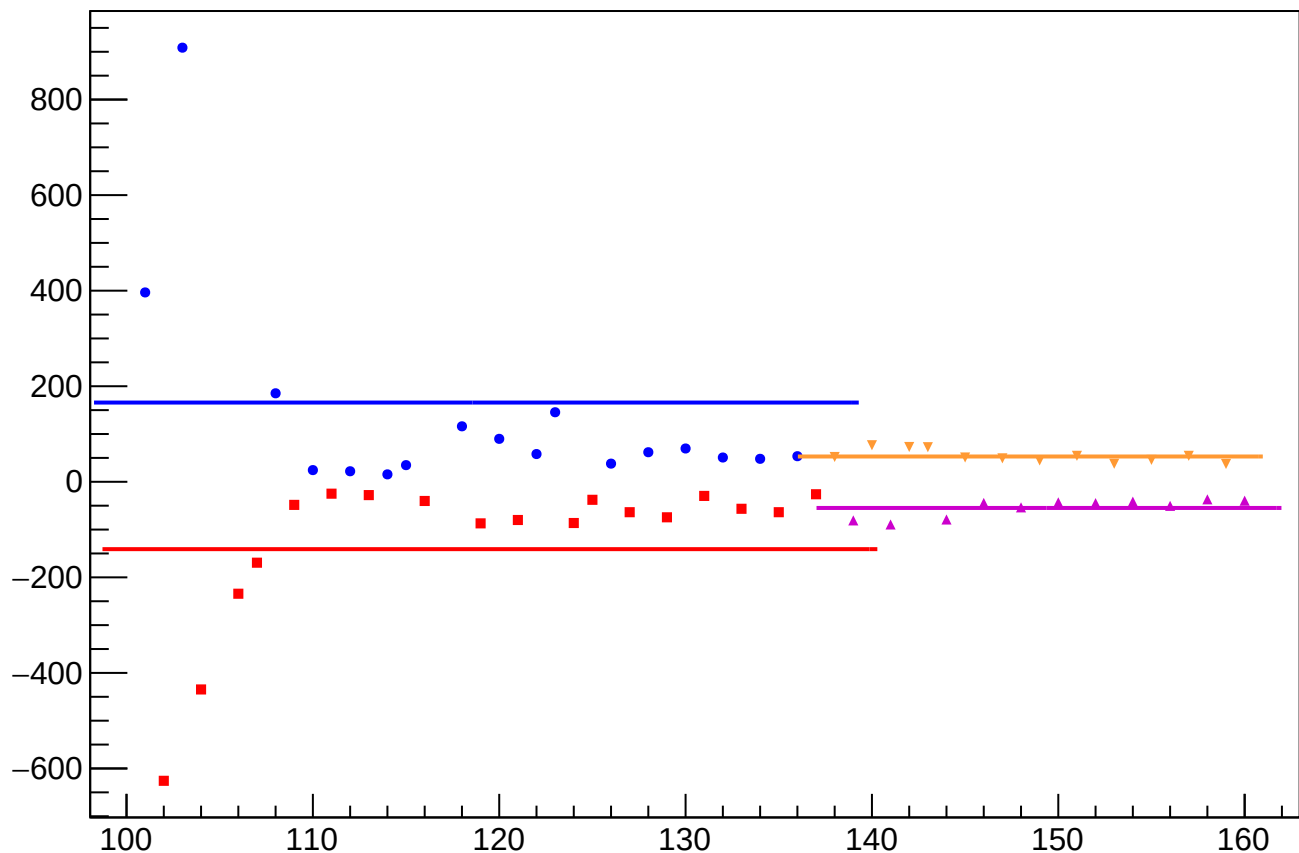
χ^2/NDF : 53152105752477344290303829793952497664.0/17

Left In: -486.206+/-0.000

χ^2/NDF : 14204620343976110093613729776425500672.0/10

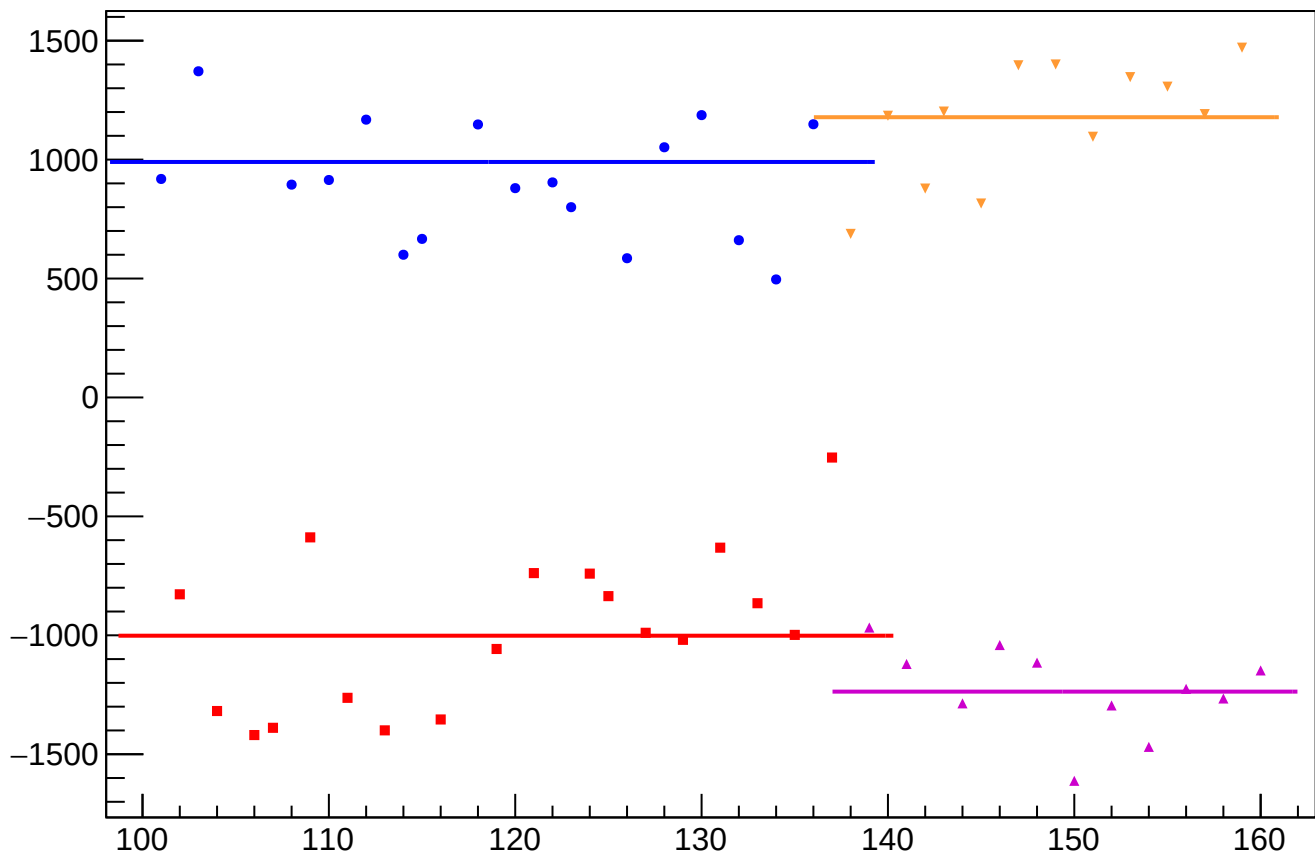
All: -10.889+/-0.000 χ^2/NDF : 654280499150

dit_sam7_coil6_err_mean vs Slug, Sign Corrected



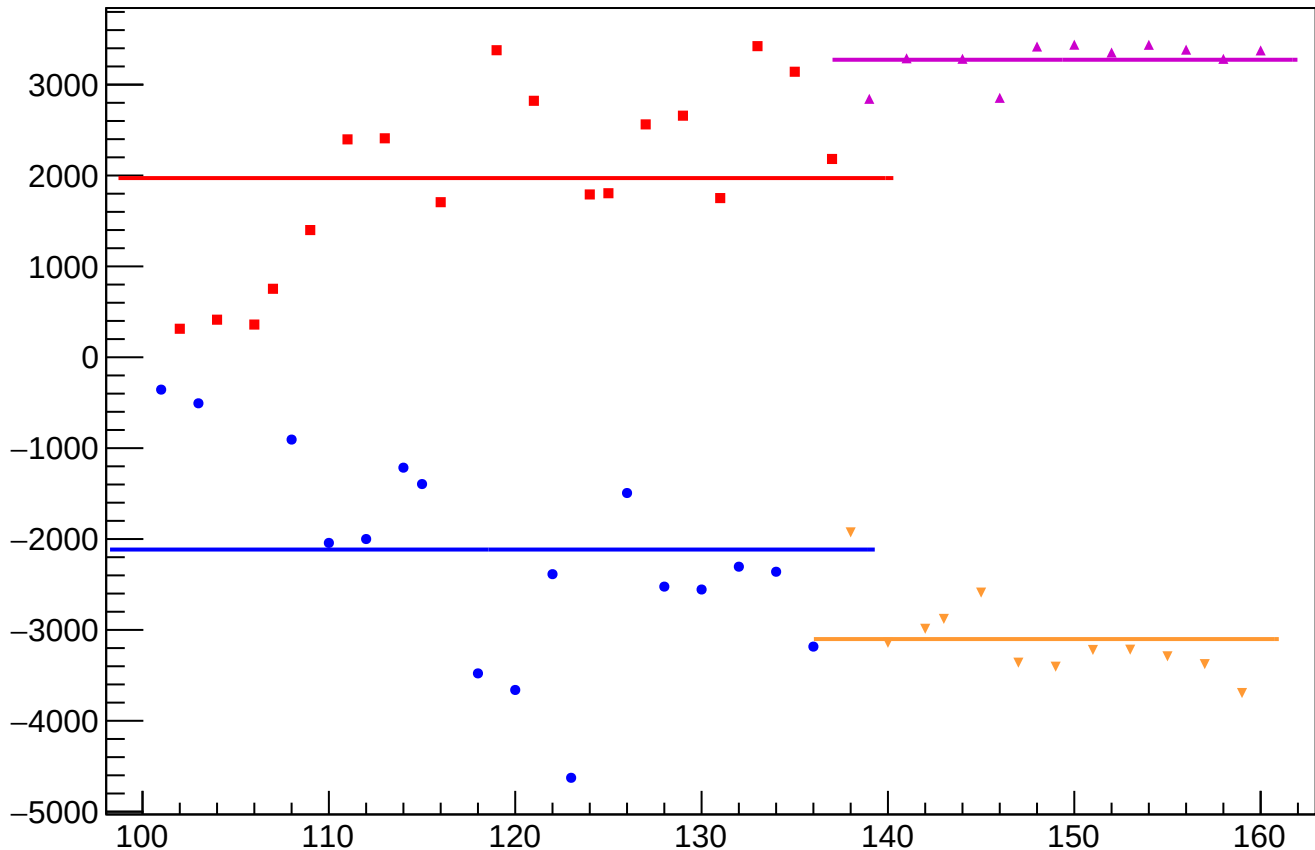
Left: -1.606 ± 0.000 $\chi^2/\text{NDF}: 57827567098124295$
 Right In: 165.841 ± 0.000 $\chi^2/\text{NDF}: 42388910284637758892134233675562745856.0/16$
 Right: 10.146 ± 0.000 $\chi^2/\text{NDF}: 9821617631078692$
 Left Out: 52.946 ± 0.000 $\chi^2/\text{NDF}: 140060109724135025714892303400697856.0/11$
 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



Right In: 990.104 $\pm$ 0.000 χ^2 /NDF: 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253 $\pm$ 0.000 χ^2 /NDF: 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684 $\pm$ 0.000 χ^2 /NDF: 61351571695254109773751672489010790400.0/17
 Left In: -1236.792 $\pm$ 0.000 χ^2 /NDF: 30308096320717107629965970940123676672.0/10
 All: -34.441 $\pm$ 0.000 χ^2 /NDF: 426372184117

dit_sam8_coil6_mean vs Slug, Sign Corrected



Right In: -2115.686 $\pm$ 0.000

Left Out: -3100.691 $\pm$ 0.000

Right Out: 1971.716 $\pm$ 0.000

Left In: 3273.761 $\pm$ 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 $\pm$ 0.000 χ^2 /NDF: 1893120264255816

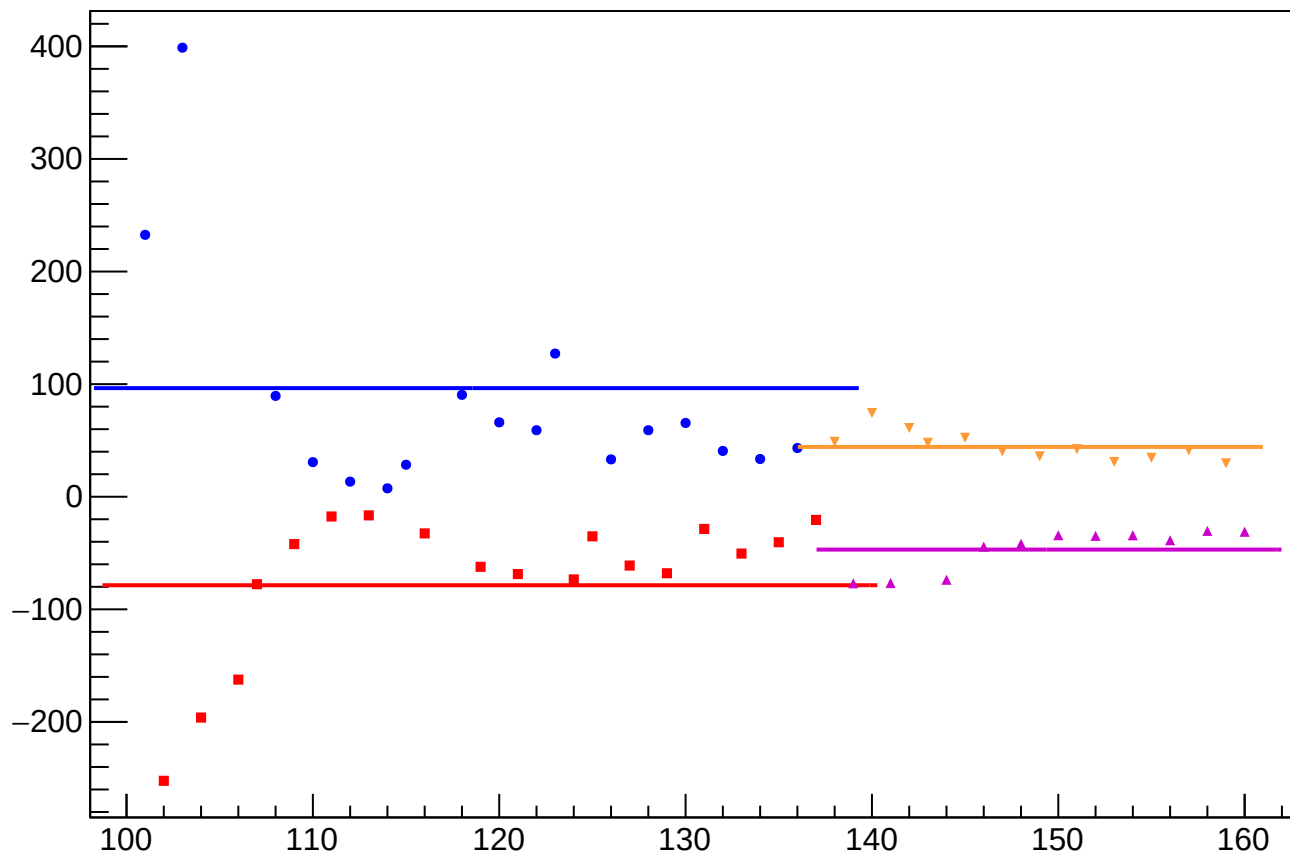
Right: -41.525 $\pm$ 0.000 χ^2 /NDF: 741699927533891

In: 974.882 $\pm$ 0.000 χ^2 /NDF: 12352701801600156

Out: -867.457 $\pm$ 0.000 χ^2 /NDF: 112598146486417

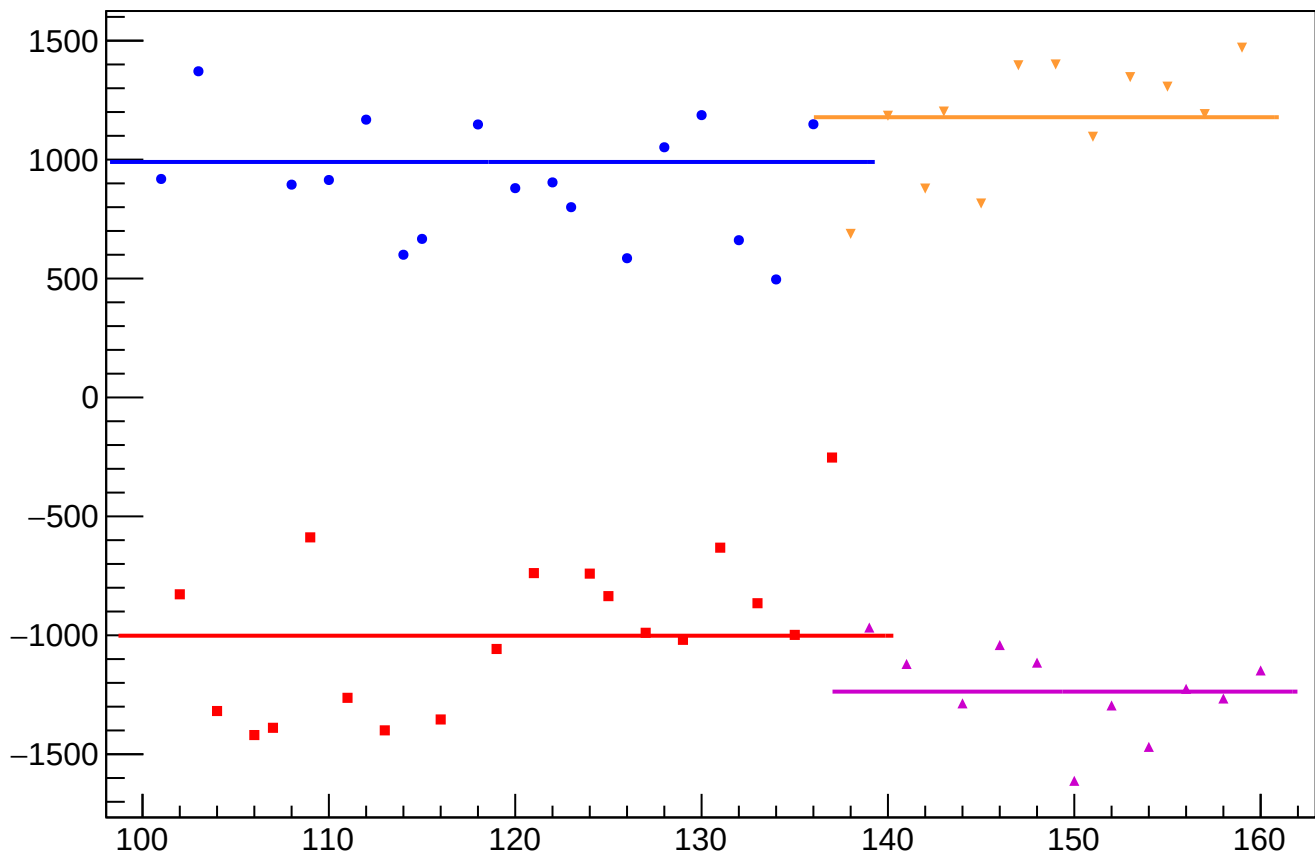
All: 54.562 $\pm$ 0.000 χ^2 /NDF: 2637116183170

dit_sam8_coil6_err_mean vs Slug, Sign Corrected



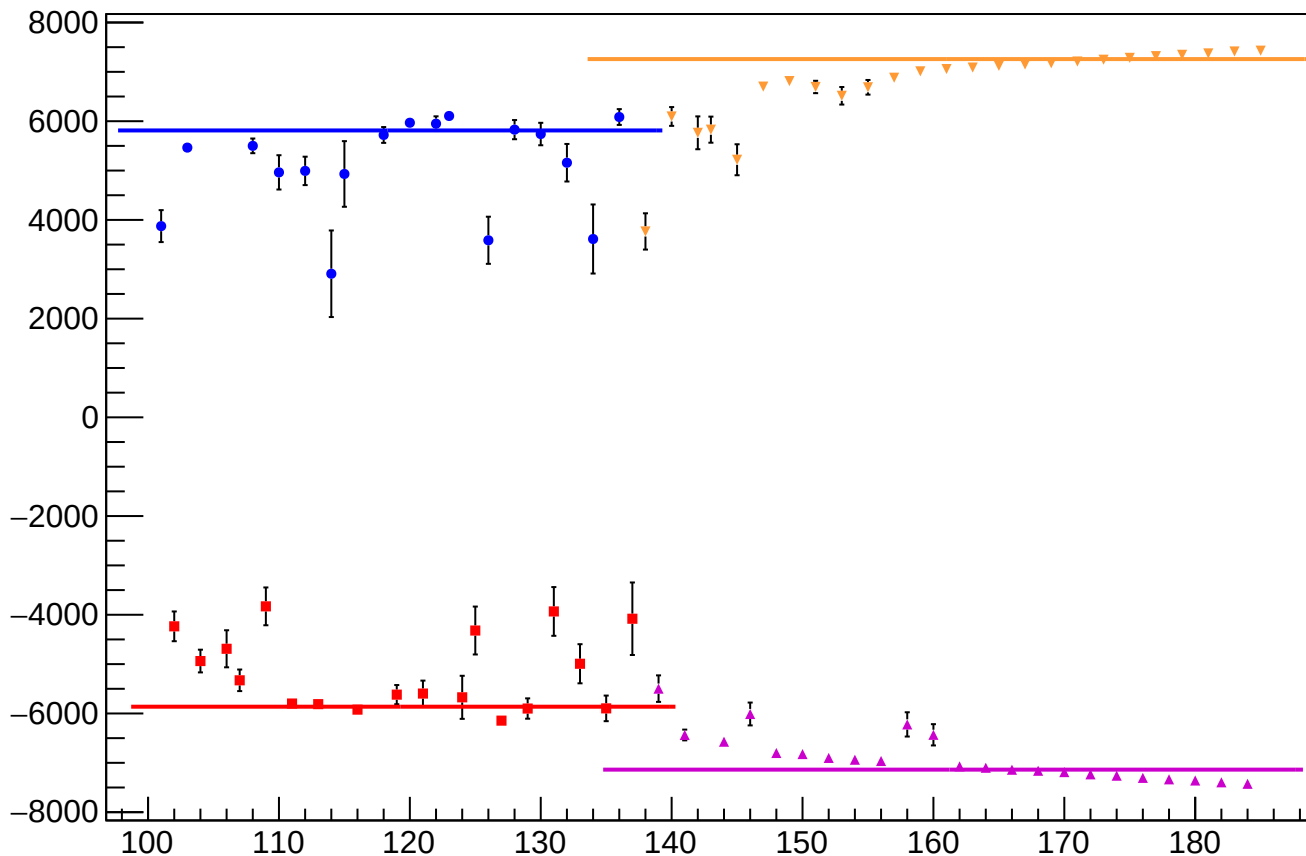
Right In: 96.465+/-0.000 χ^2/NDF : 7977727256930133620372701565161570304.0/16
 Left Out: 44.236+/-0.000 χ^2/NDF : 142258955441054075250551696151019520.0/11
 Right Out: -78.600+/-0.000 χ^2/NDF : 3499001556563234508710770672385654784.0/17
 Left In: -46.934+/-0.000 χ^2/NDF : 304947612143078258069151469537329152.0/10
 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 $\pm$ 0.171 χ^2 /NDF: 2217854.6/16

Left Out: 7258.635 $\pm$ 0.092 χ^2 /NDF: 4237942.4/24

Right Out: -5862.788 $\pm$ 0.139 χ^2 /NDF: 199291.9/17

Left In: -7137.987 $\pm$ 0.098 χ^2 /NDF: 4549121.8/22

Left: 544.303 $\pm$ 0.067 χ^2 /NDF: 11467694767.5/47

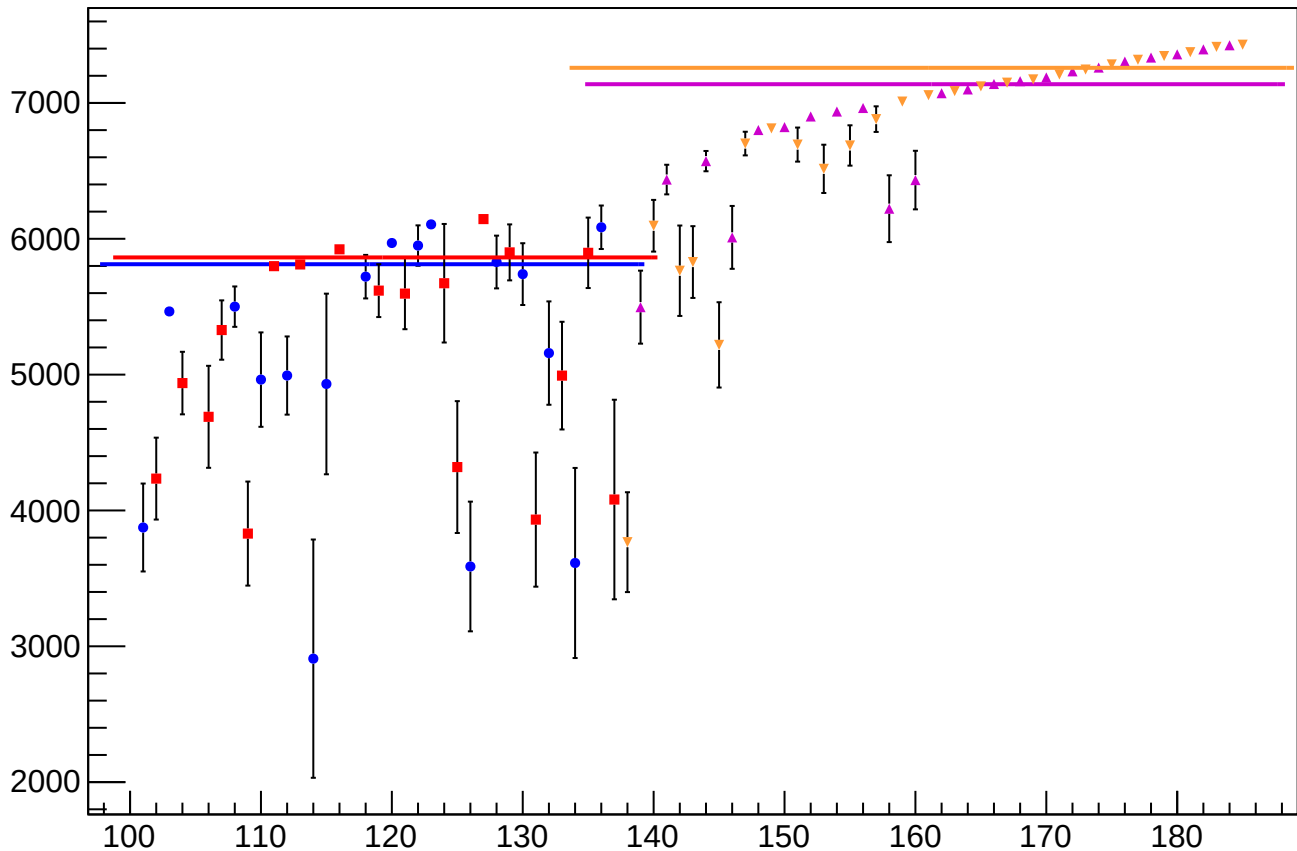
Right: -1193.446 $\pm$ 0.108 χ^2 /NDF: 2813995894.0/3

In: -3911.914 $\pm$ 0.085 χ^2 /NDF: 4335495701.9/39

Out: 3280.748 $\pm$ 0.077 χ^2 /NDF: 6191907925.6/42

All: 59.556 $\pm$ 0.057 χ^2 /NDF: 14468824125.7

dit_run_rms vs Slug, Sign Corrected



Right In: 5812.740 $\pm$ 0.171 χ^2 /NDF: 2217854.6/16

Left Out: 7258.635 $\pm$ 0.092 χ^2 /NDF: 4237942.4/24

Right Out: 5862.788 $\pm$ 0.139 χ^2 /NDF: 199291.9/17

Left In: 7137.987 $\pm$ 0.098 χ^2 /NDF: 4549121.8/22

Left: 7202.367 $\pm$ 0.067 χ^2 /NDF: 9591816.8/47

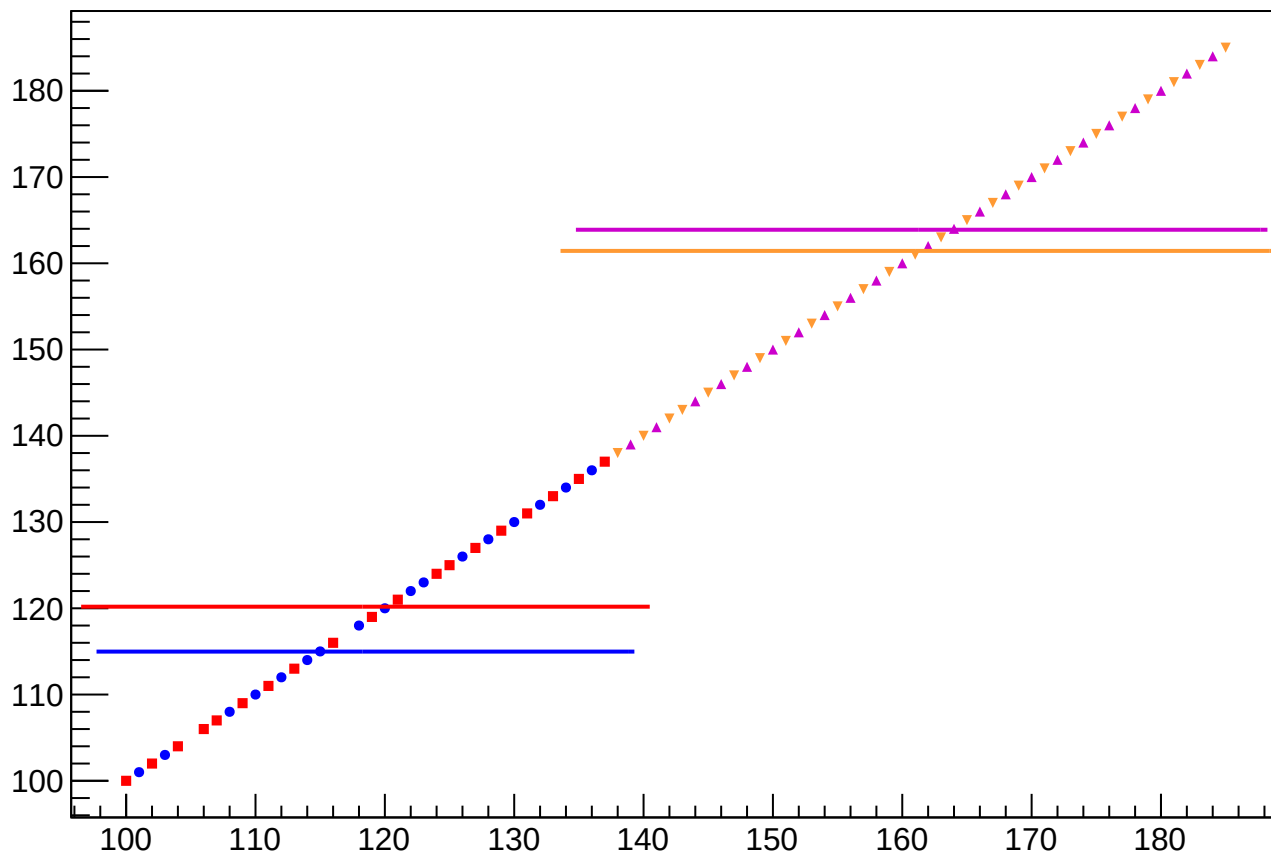
Right: 5842.773 $\pm$ 0.108 χ^2 /NDF: 2468807.9/34

In: 6807.863 $\pm$ 0.085 χ^2 /NDF: 52094903.1/39

Out: 6835.471 $\pm$ 0.077 χ^2 /NDF: 74458058.6/42

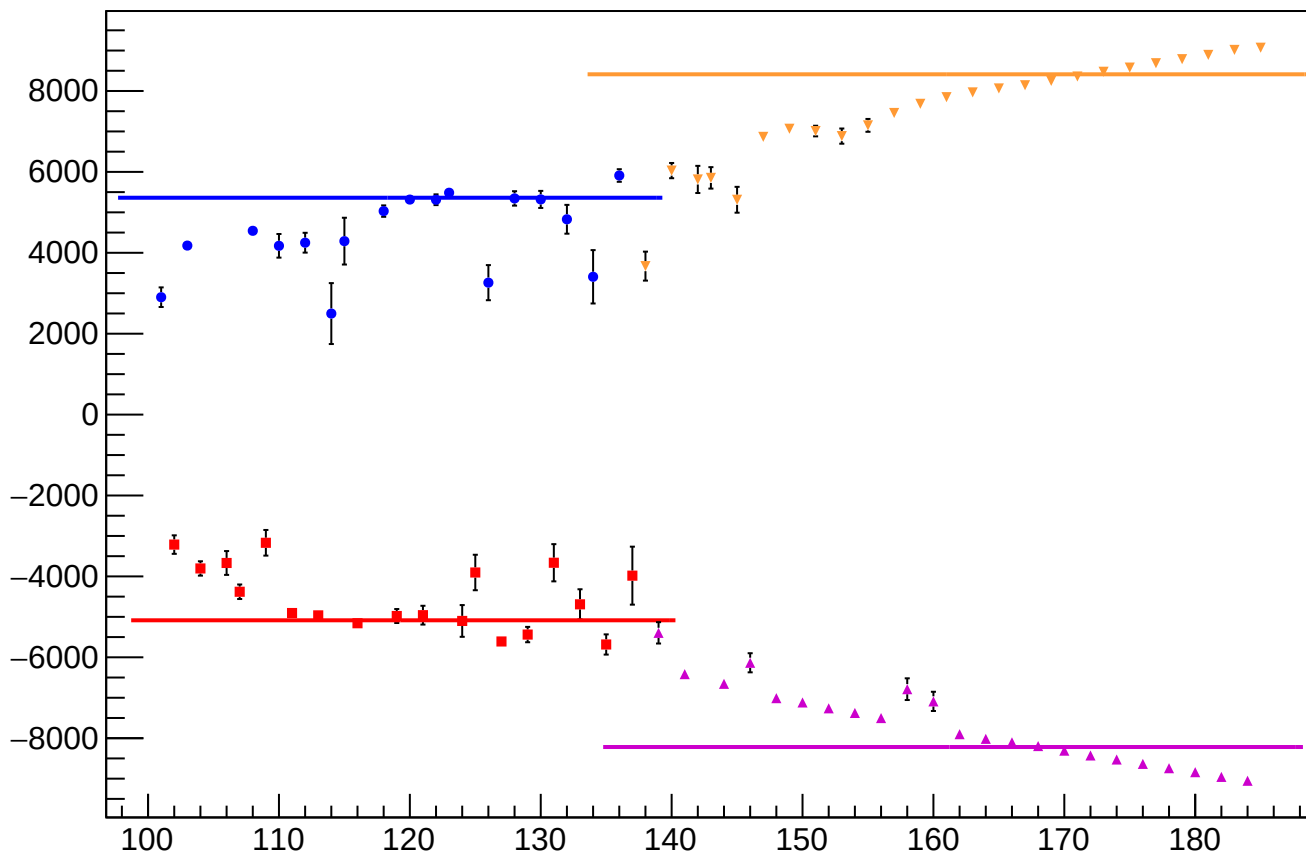
All: 6823.107 $\pm$ 0.057 χ^2 /NDF: 126611027.2

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 $\chi^2/\text{NDF}: 921966978.7/47$

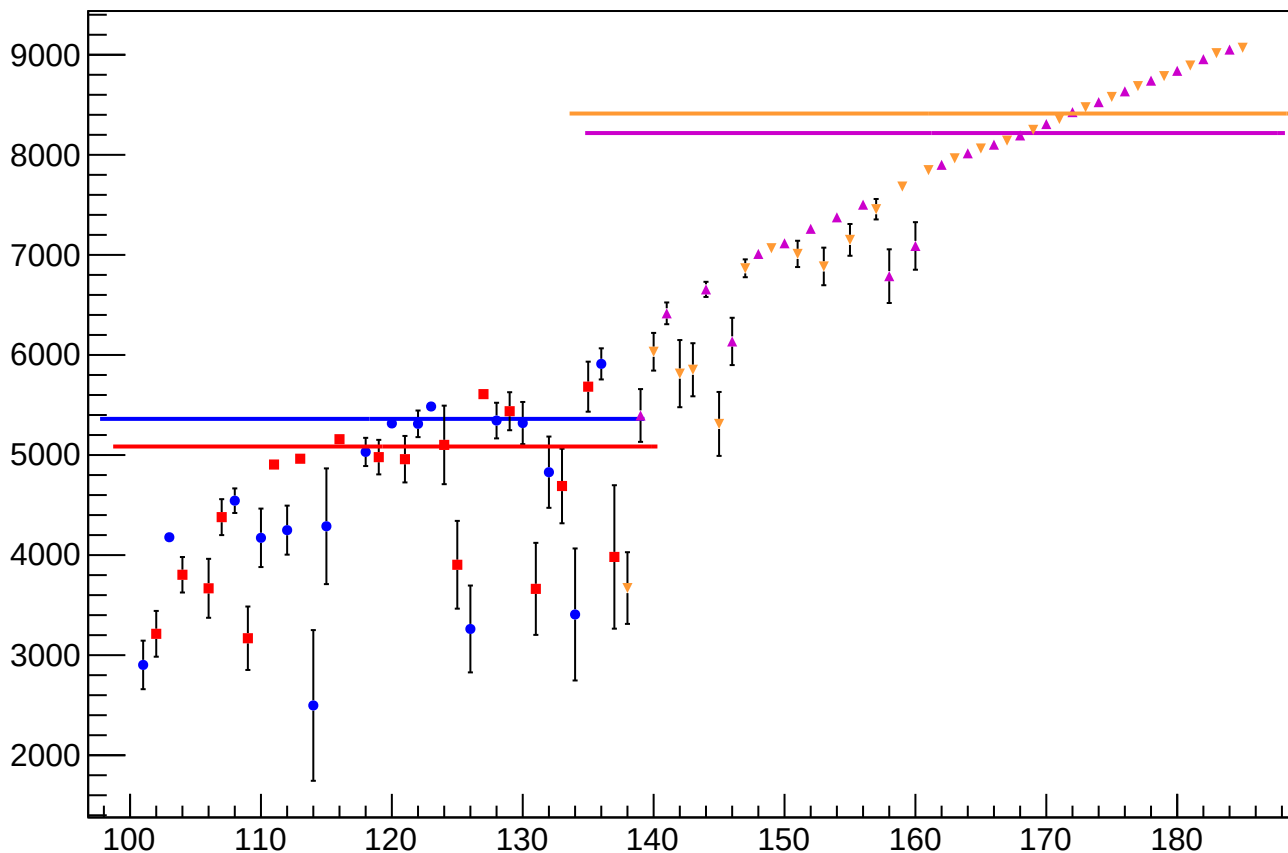
Right: 2021.502 ± 0.364 $\chi^2/\text{NDF}: 179839669.6/34$

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

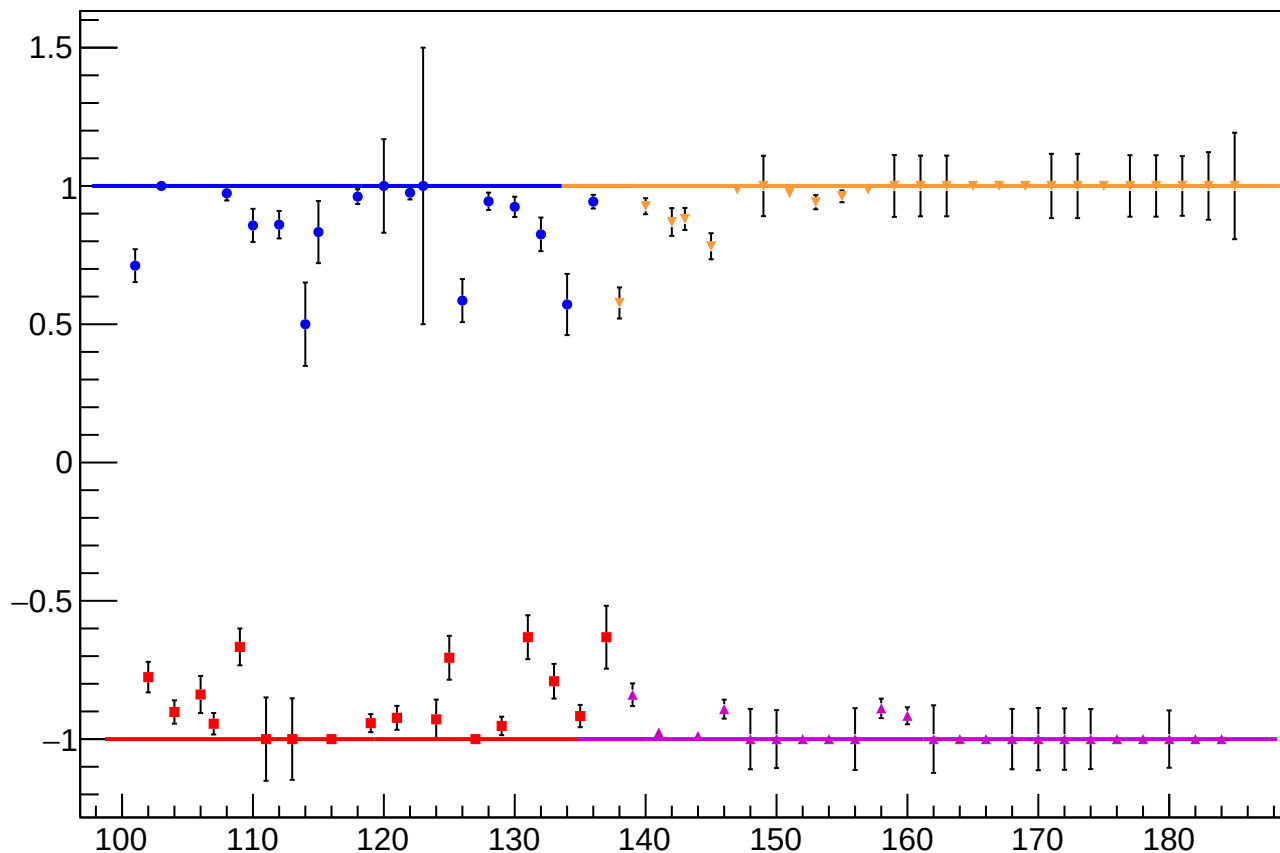
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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



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: -0.308 ± 0.000 χ^2/NDF : 25106005466555206

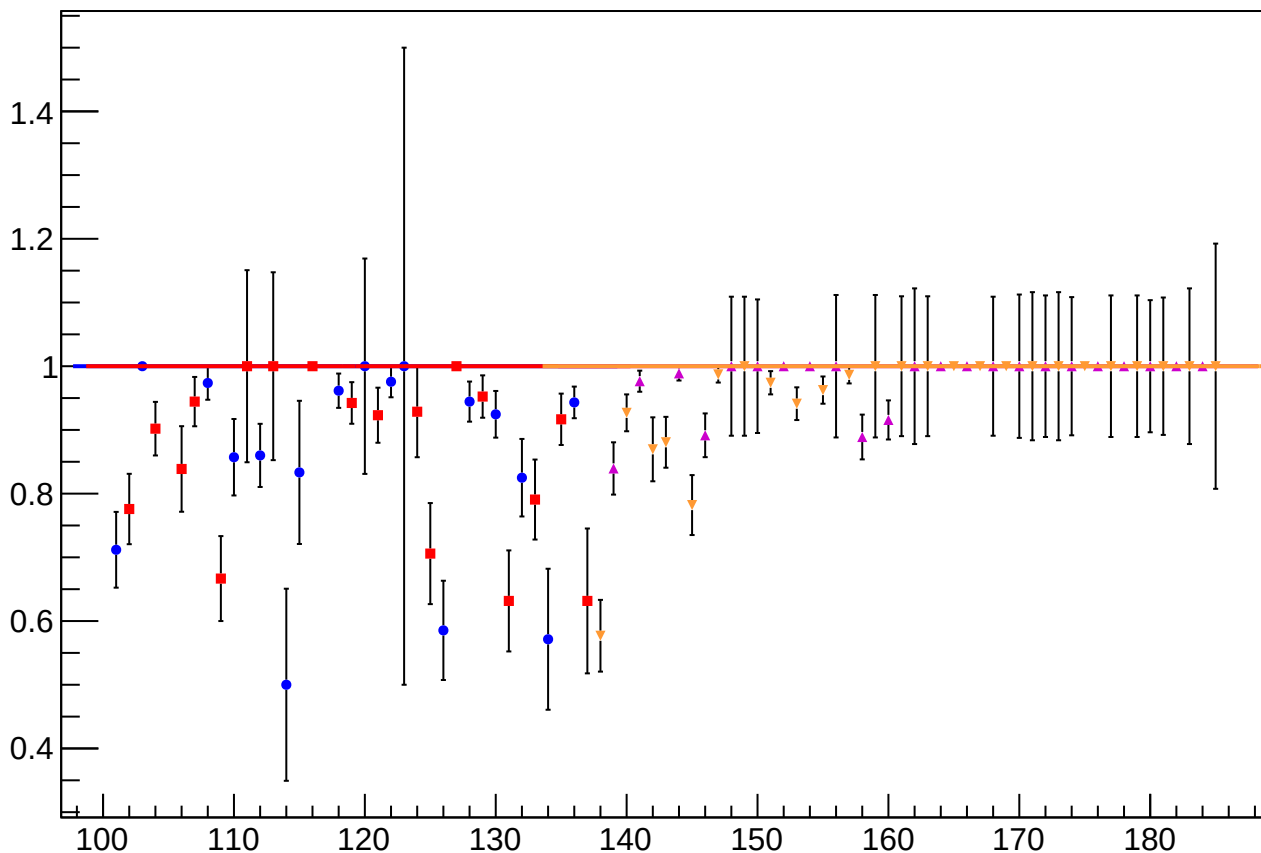
Right: -0.072 ± 0.000 χ^2/NDF : 2522158199033292

In: -0.878 ± 0.000 χ^2/NDF : 441913906621430577

Out: 0.752 ± 0.000 χ^2/NDF : 476125809443944448

All: -0.289 ± 0.000 χ^2/NDF : 2775807378045

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

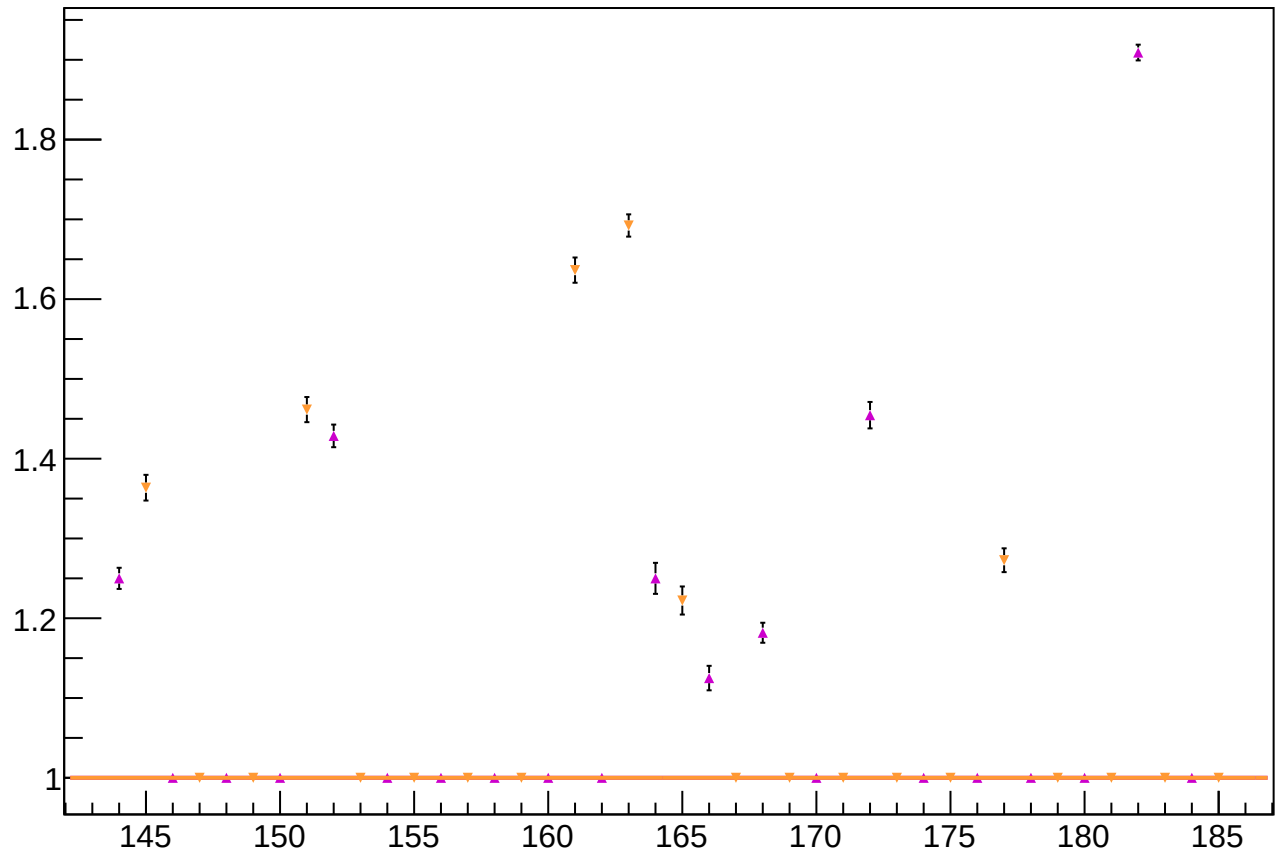
Right: 1.000+/-0.000 χ^2/NDF : 243.9/34

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

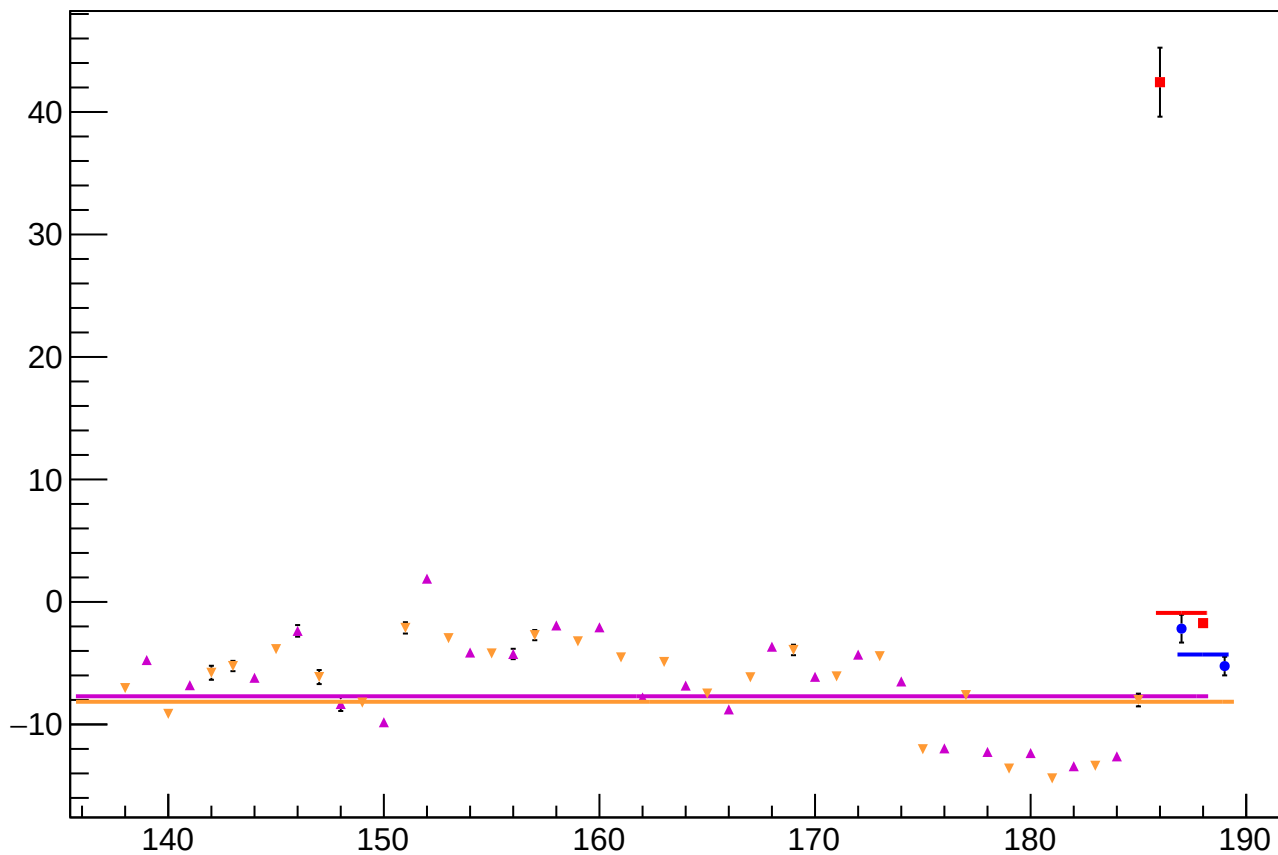
dit_segment_slope vs Slug, Sign Corrected



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: -4.292 ± 0.632 χ^2/NDF : 5.0/1

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

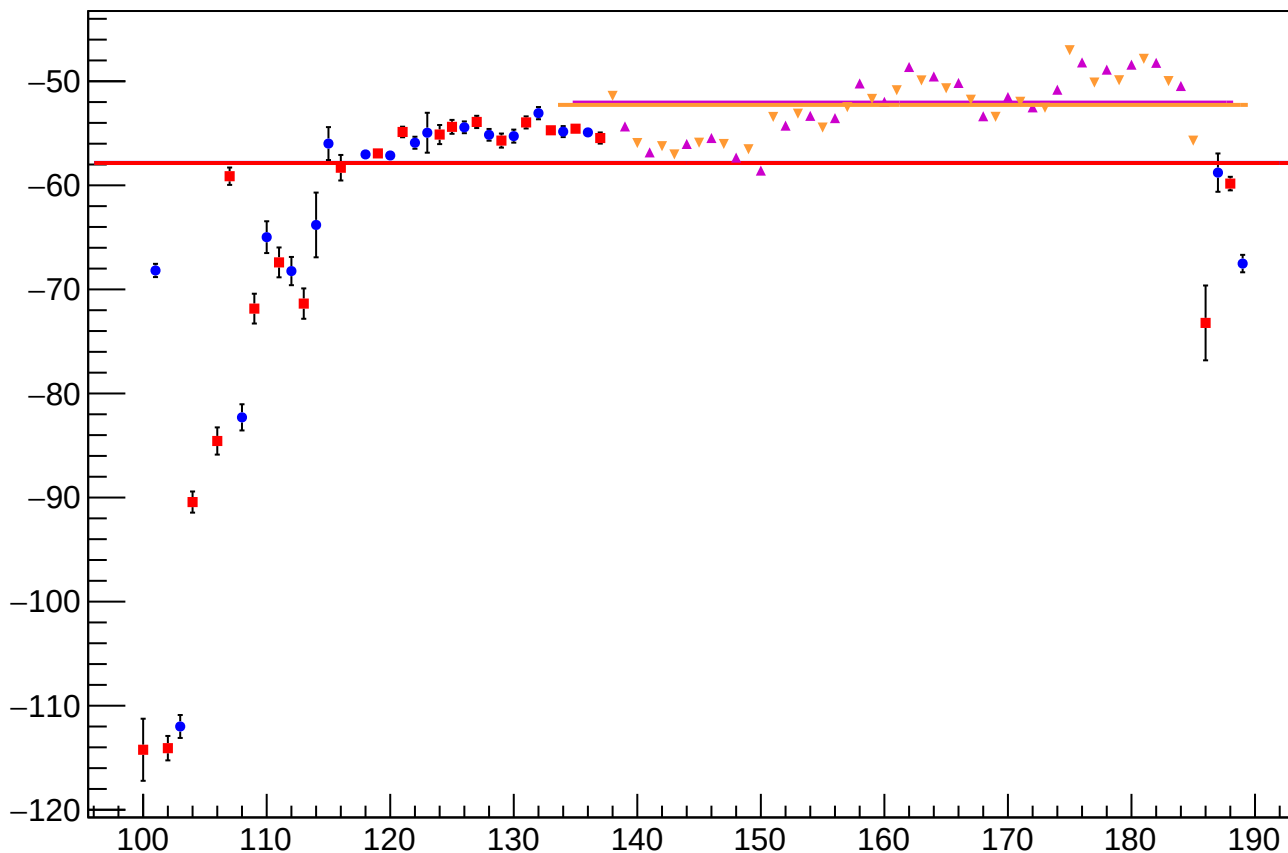
Right: -1.822 ± 0.330 χ^2/NDF : 267.1/3

In: -7.662 ± 0.068 χ^2/NDF : 3771.0/24

Out: -7.935 ± 0.067 χ^2/NDF : 4195.0/26

All: -7.801 ± 0.048 χ^2/NDF : 7974.3/51

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.845+/-0.139 χ^2/NDF : 3593.5/18

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

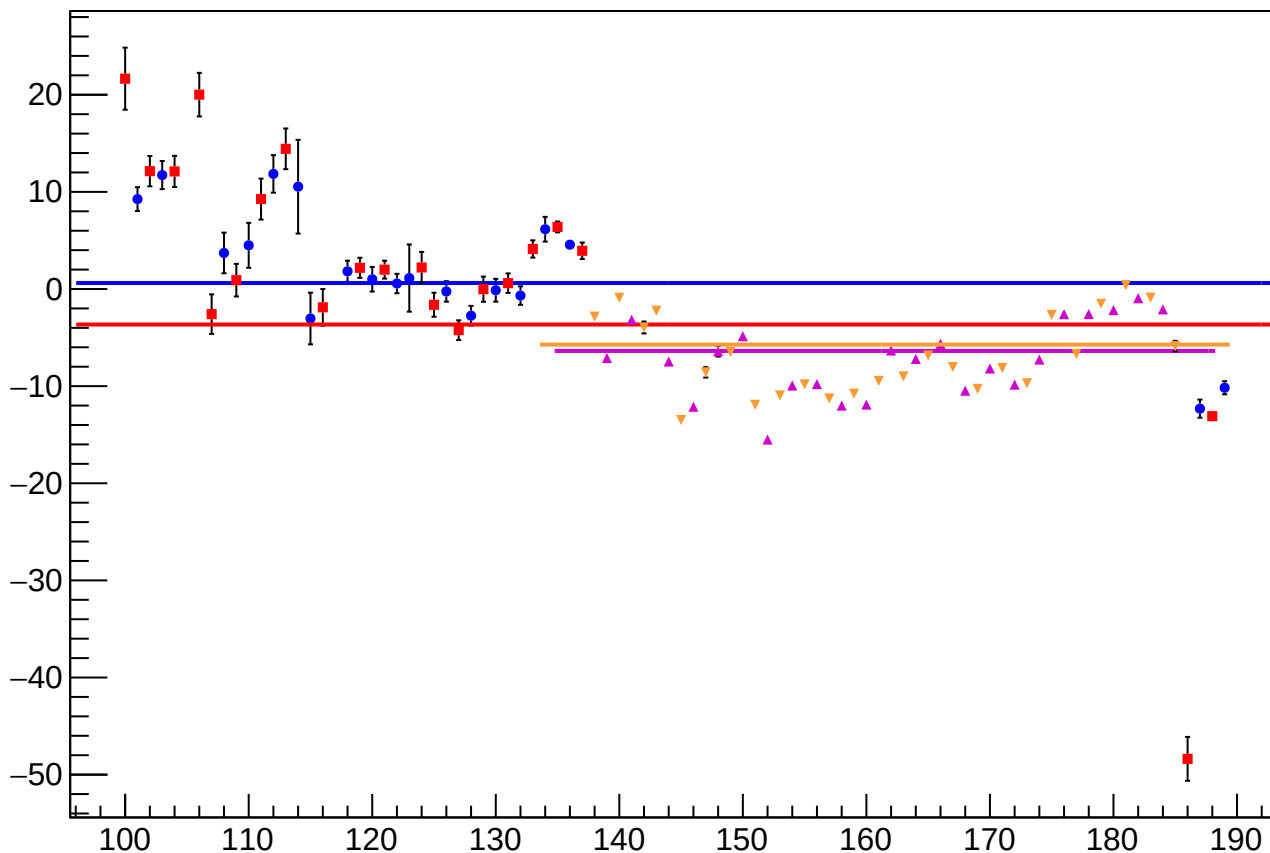
Right: -57.850+/-0.099 χ^2/NDF : 8320.1/39

In: -52.883+/-0.053 χ^2/NDF : 8277.1/41

Out: -53.027+/-0.051 χ^2/NDF : 8720.4/45

All: -52.957+/-0.037 χ^2/NDF : 17001.3/87

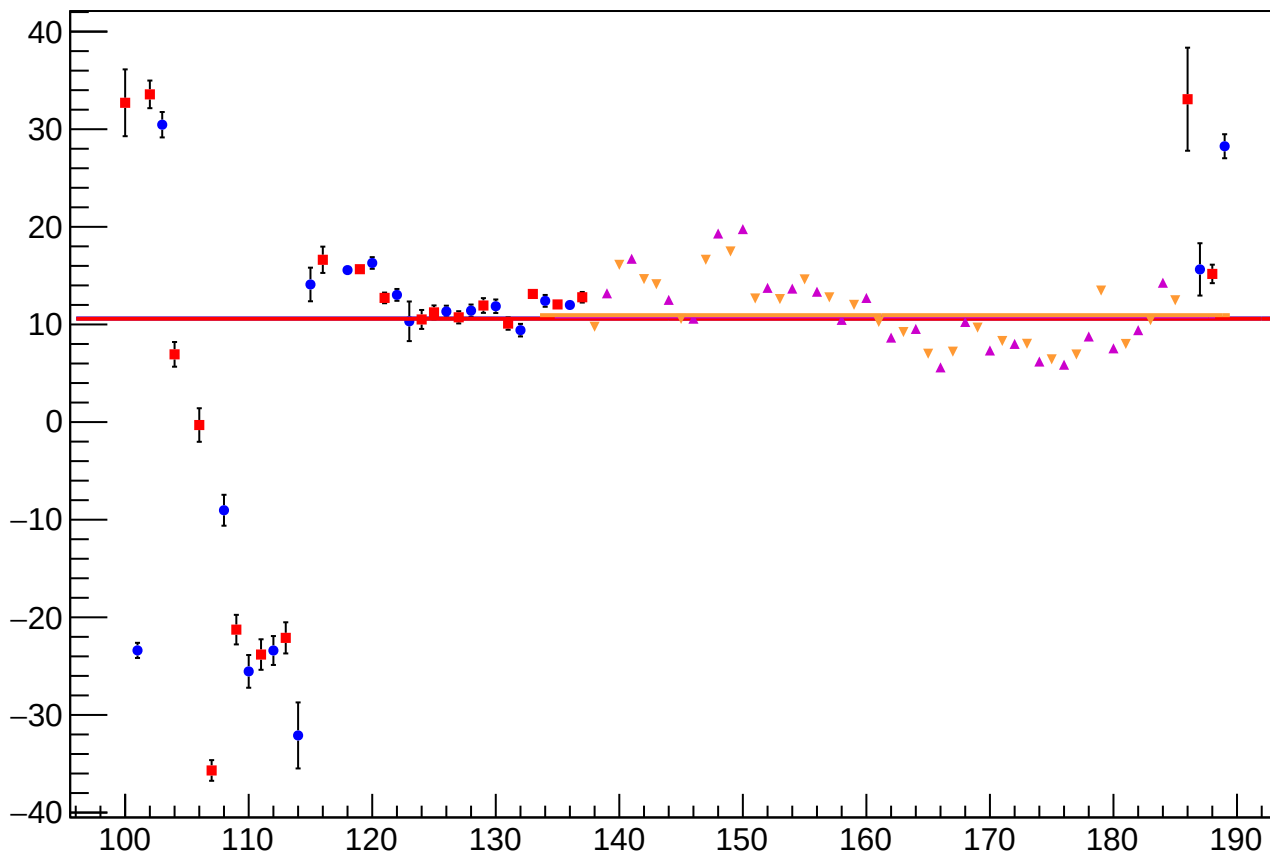
reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.620 ± 0.233 $\chi^2/\text{NDF}: 729.6/18$
 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: -1.812 ± 0.153 $\chi^2/\text{NDF}: 3293.5/39$
 In: -5.826 ± 0.066 $\chi^2/\text{NDF}: 4954.7/41$
 Out: -5.518 ± 0.064 $\chi^2/\text{NDF}: 6455.2/45$
 All: -5.669 ± 0.046 $\chi^2/\text{NDF}: 11421.2/87$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.609 $\pm$ 0.155 χ^2 /NDF: 3925.2/18

Left Out: 10.950 $\pm$ 0.062 χ^2 /NDF: 2620.4/24

Right Out: 10.584 $\pm$ 0.158 χ^2 /NDF: 3871.0/20

Left In: 10.818 $\pm$ 0.063 χ^2 /NDF: 3577.7/22

Left: 10.886 $\pm$ 0.044 χ^2 /NDF: 6200.3/47

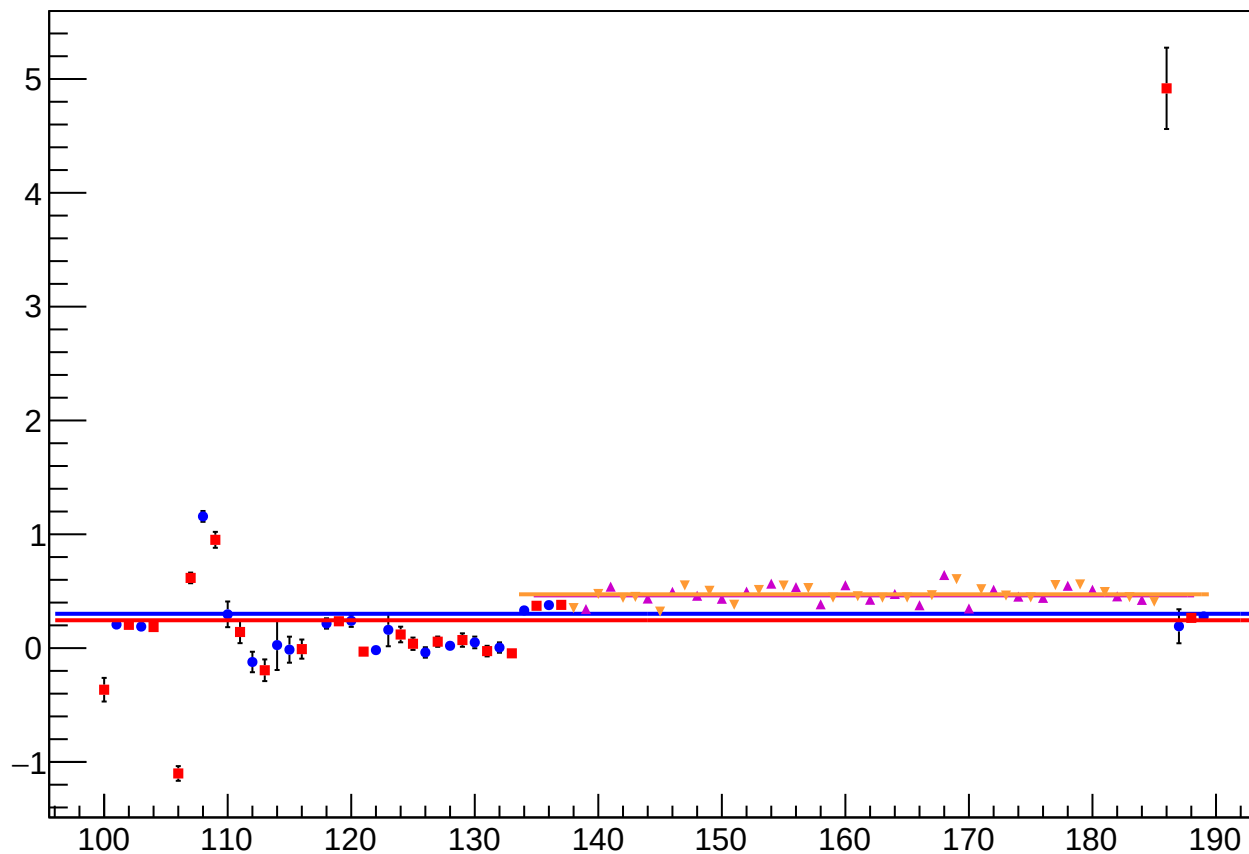
Right: 10.597 $\pm$ 0.111 χ^2 /NDF: 7796.3/39

In: 10.789 $\pm$ 0.058 χ^2 /NDF: 7504.5/41

Out: 10.902 $\pm$ 0.057 χ^2 /NDF: 6496.1/45

All: 10.846 $\pm$ 0.041 χ^2 /NDF: 14002.5/87

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302 $\pm$ 0.008 χ^2 /NDF: 647.4/18

Left Out: 0.473 $\pm$ 0.003 χ^2 /NDF:515.0/24

Right Out: 0.245 $\pm$ 0.008 χ^2 /NDF: 1158.2/20

Left In: 0.463 $\pm$ 0.003 χ^2 /NDF:749.9/22

Left: 0.468 $\pm$ 0.002 χ^2 /NDF: 1270.7/47

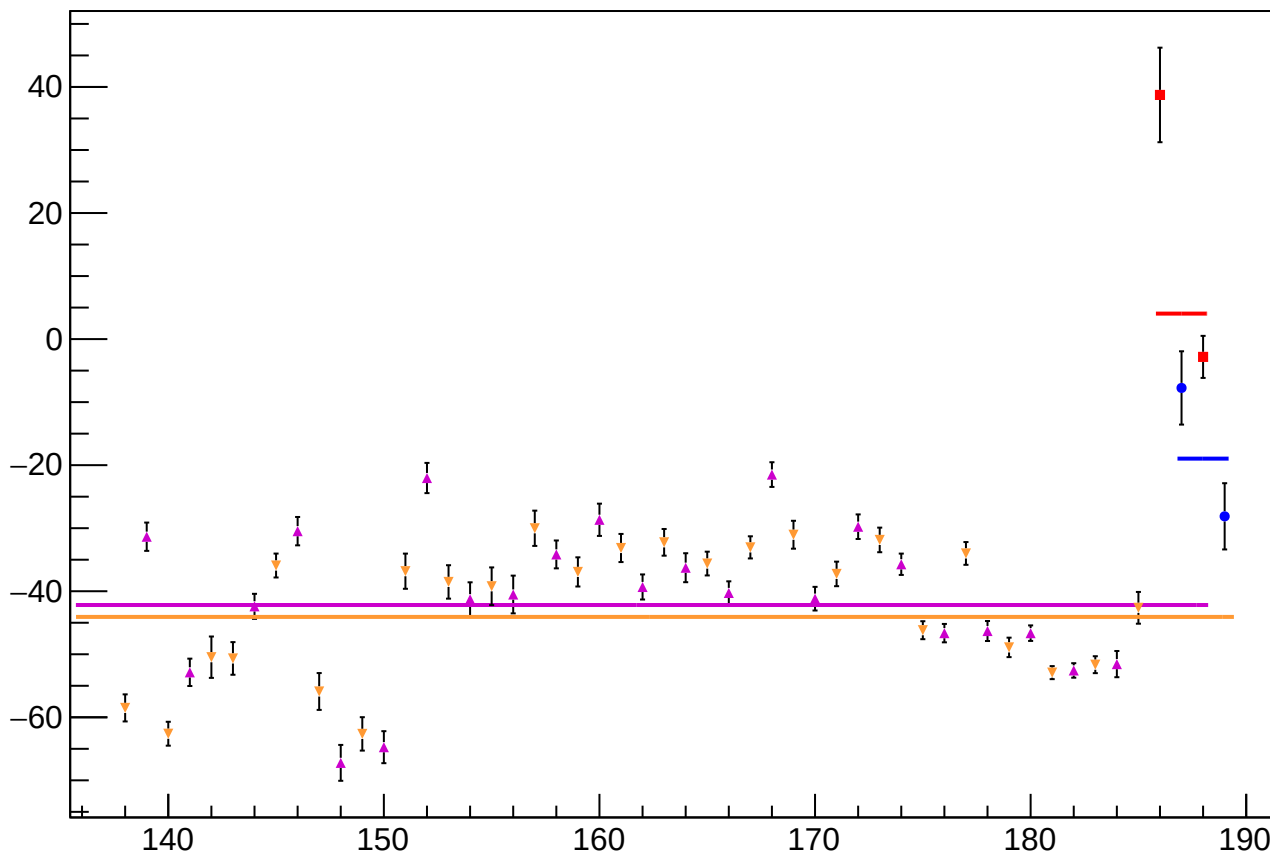
Right: 0.274 $\pm$ 0.006 χ^2 /NDF: 1829.7/39

In: 0.446 $\pm$ 0.003 χ^2 /NDF:1759.2/41

Out: 0.450 $\pm$ 0.003 χ^2 /NDF:2347.5/45

All: 0.448 $\pm$ 0.002 χ^2 /NDF: 4107.8/87

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



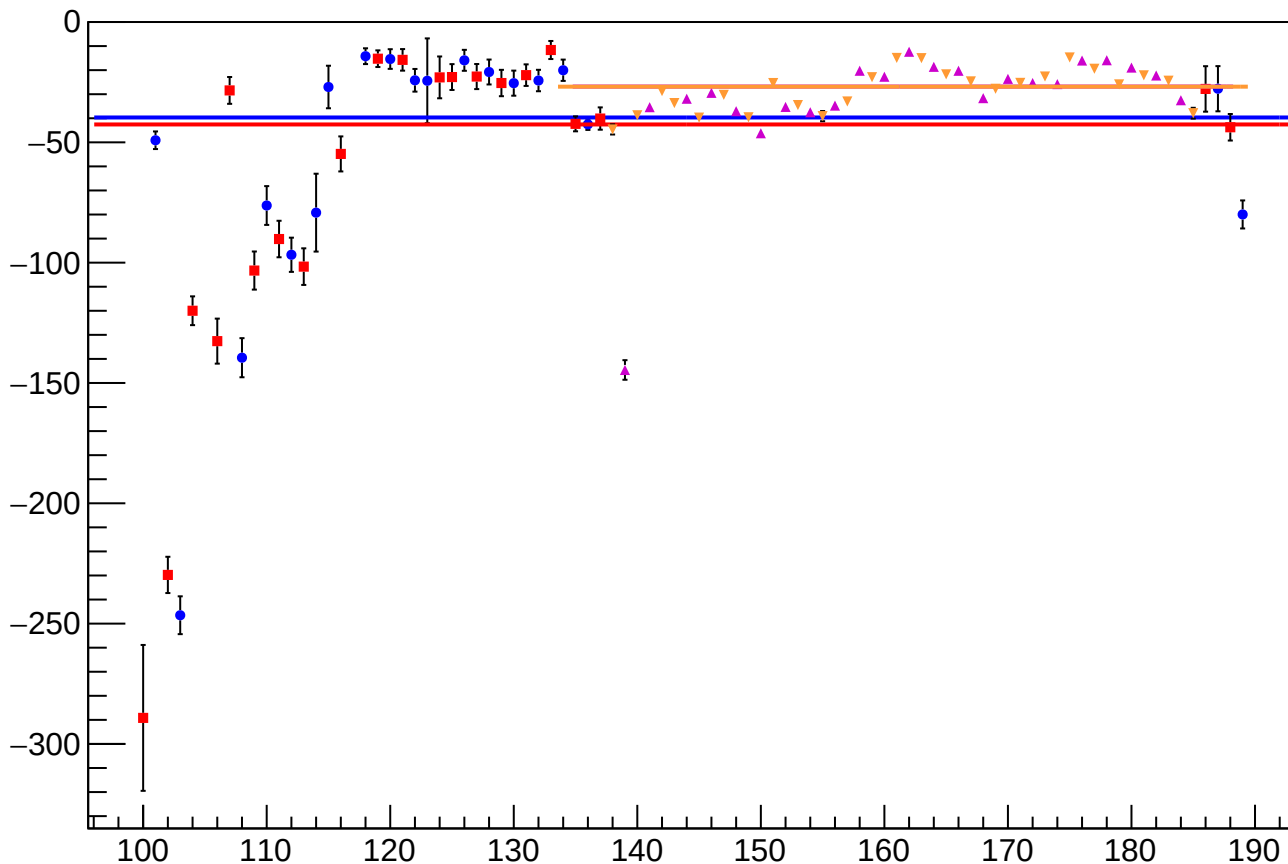
Right In: -18.963 ± 3.898 χ^2/NDF : 6.8/1
 Left Out: -44.074 ± 0.389 χ^2/NDF : 632.8/24
 Right Out: 4.044 ± 3.049 χ^2/NDF : 25.6/1
 Left In: -42.185 ± 0.398 χ^2/NDF : 651.0/22

Left: -43.149 ± 0.278 χ^2/NDF : 1295.4/47
 Right: -4.687 ± 2.401 χ^2/NDF : 54.0/3

In: -41.946 ± 0.395 χ^2/NDF : 692.9/24
 Out: -43.302 ± 0.386 χ^2/NDF : 903.6/26

All: -42.640 ± 0.276 χ^2/NDF : 1602.5/51

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -39.670 ± 1.108 $\chi^2/\text{NDF}: 1183.6/18$

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 $\chi^2/\text{NDF}: 2110.7/47$

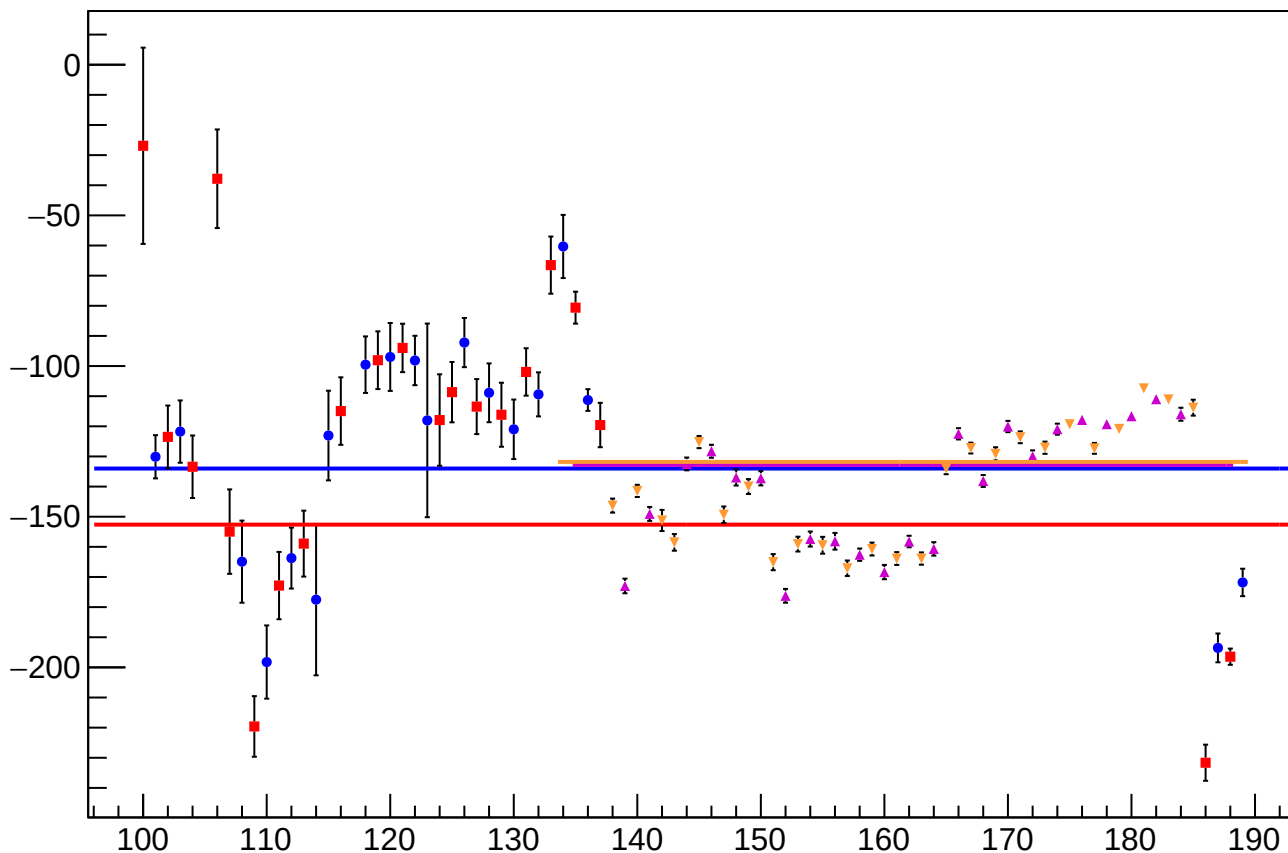
Right: -41.037 ± 0.806 $\chi^2/\text{NDF}: 2530.9/39$

In: -27.845 ± 0.312 $\chi^2/\text{NDF}: 2788.8/41$

Out: -27.935 ± 0.306 $\chi^2/\text{NDF}: 2140.1/45$

All: -27.891 ± 0.219 $\chi^2/\text{NDF}: 4929.0/87$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -134.013 $\pm$ 1.755 χ^2 /NDF: 450.0/18

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

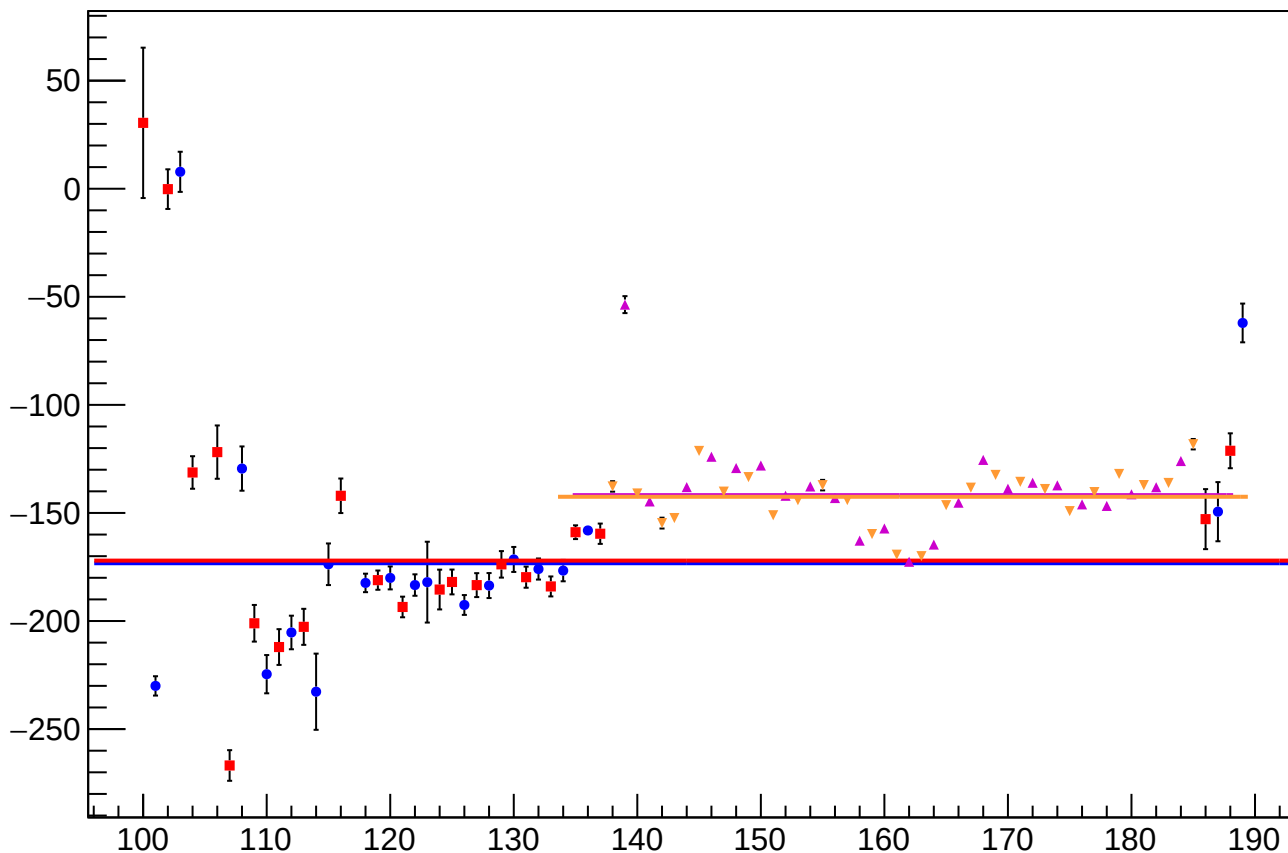
Right: -143.937 $\pm$ 1.199 χ^2 /NDF: 1552.0/39

In: -132.858 $\pm$ 0.388 χ^2 /NDF:2966.3/41

Out: -132.928 $\pm$ 0.381 χ^2 /NDF:3611.2/45

All: -132.894 $\pm$ 0.272 χ^2 /NDF: 6577.5/87

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -173.268 ± 1.250 χ^2/NDF : 853.5/18

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

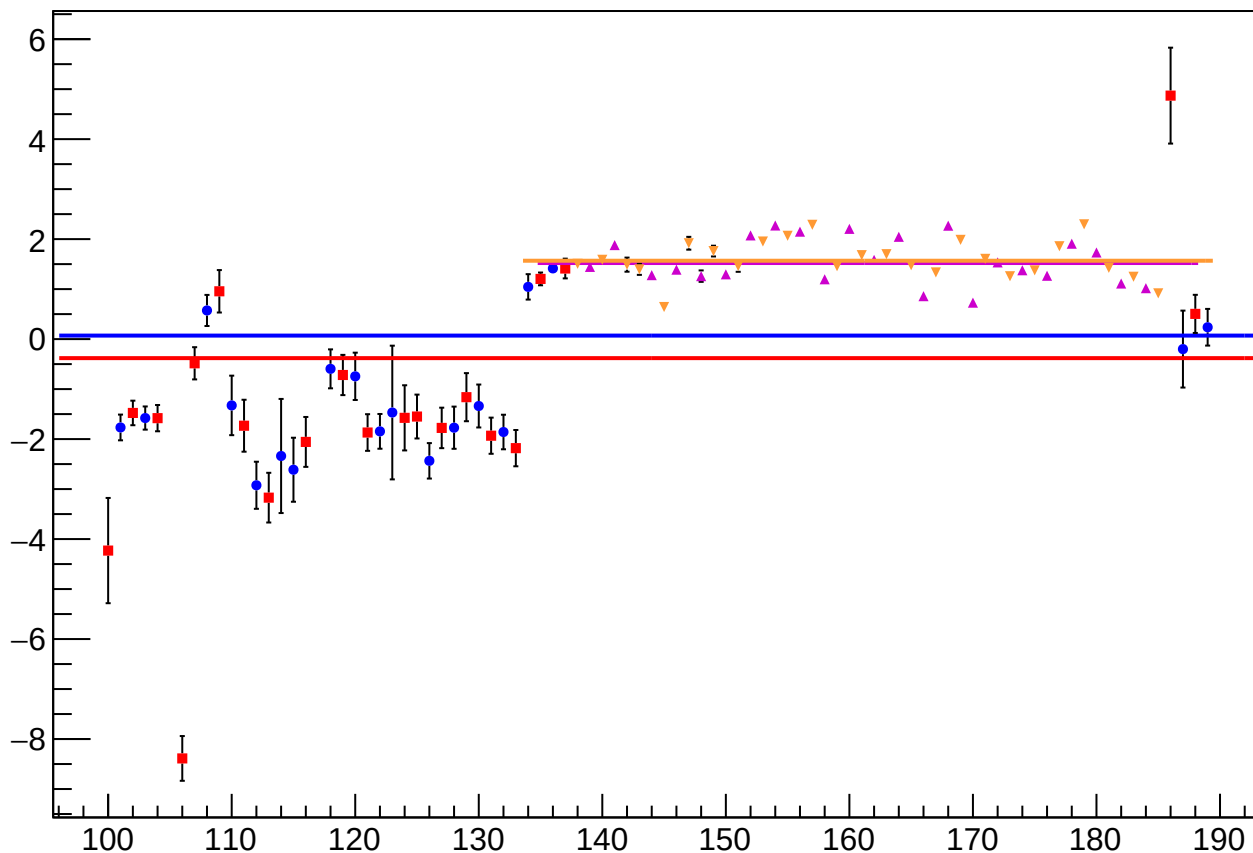
Right: -172.698 ± 0.911 χ^2/NDF : 1634.5/39

In: -144.215 ± 0.348 χ^2/NDF : 3043.6/41

Out: -144.476 ± 0.343 χ^2/NDF : 2384.5/45

All: -144.348 ± 0.244 χ^2/NDF : 5428.5/87

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.070 $\pm$ 0.066 χ^2 /NDF: 526.5/18

Left Out: 1.568 $\pm$ 0.016 χ^2 /NDF:541.0/24

Right Out: -0.381 $\pm$ 0.070 χ^2 /NDF: 790.9/20

Left In: 1.522 $\pm$ 0.016 χ^2 /NDF:739.1/22

Left: 1.545 $\pm$ 0.012 χ^2 /NDF: 1284.1/47

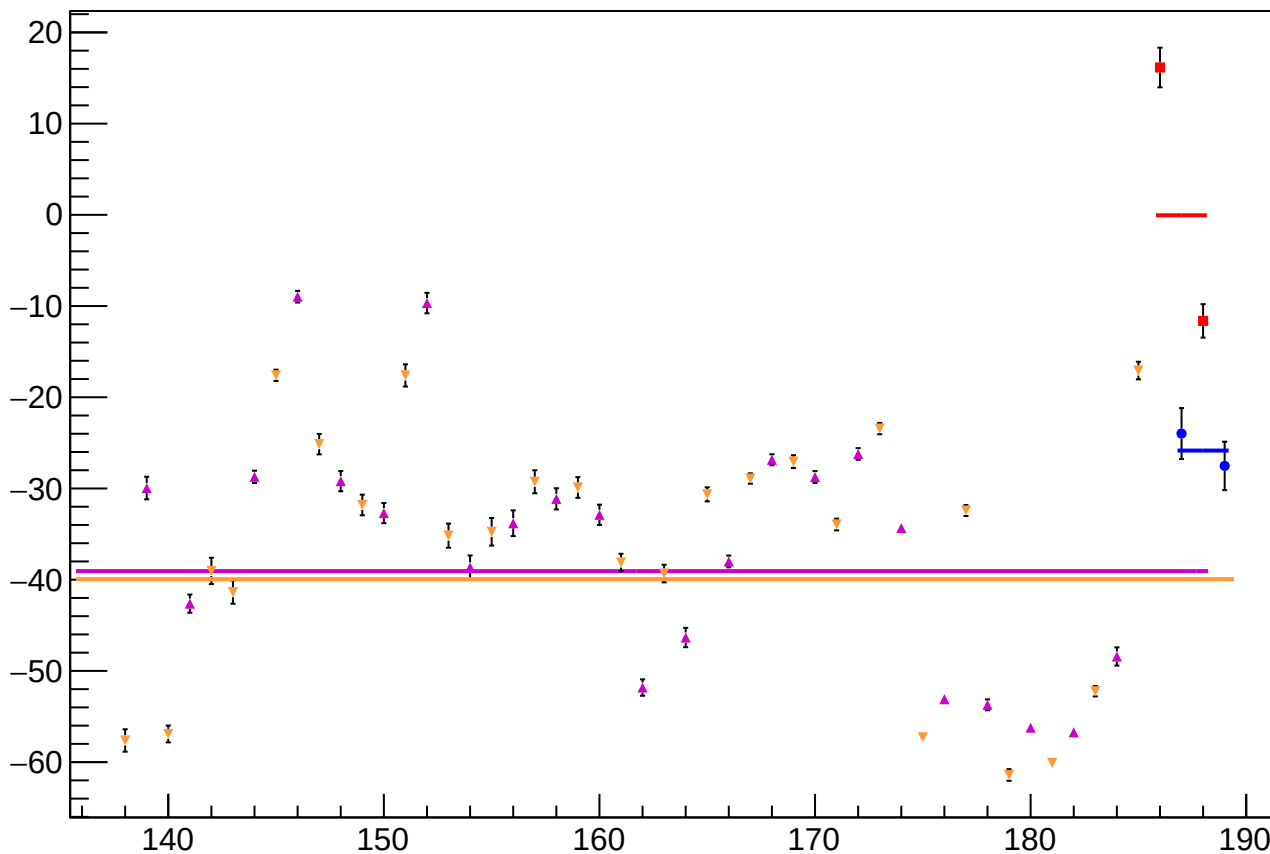
Right: -0.142 $\pm$ 0.048 χ^2 /NDF: 1339.6/39

In: 1.436 $\pm$ 0.016 χ^2 /NDF:1725.8/41

Out: 1.468 $\pm$ 0.016 χ^2 /NDF:2073.0/45

All: 1.452 $\pm$ 0.011 χ^2 /NDF: 3800.8/87

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.843 ± 1.924 χ^2/NDF : 0.8/1
 Left Out: -39.942 ± 0.153 χ^2/NDF : 9806.2/24
 Right Out: -0.050 ± 1.402 χ^2/NDF : 95.4/1
 Left In: -39.060 ± 0.154 χ^2/NDF : 8577.0/22

Left: -39.503 ± 0.109 χ^2/NDF : 18399.6/47

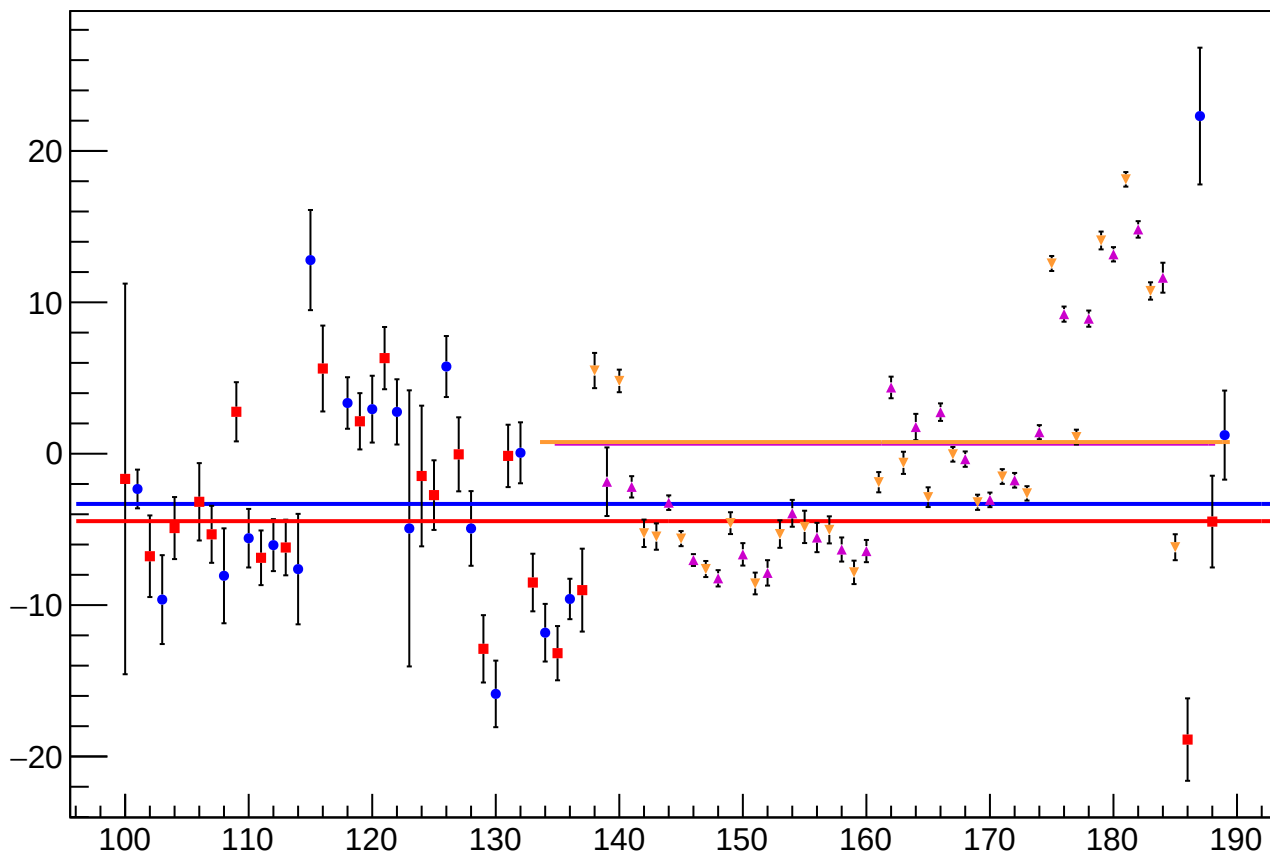
Right: -8.998 ± 1.133 χ^2/NDF : 213.6/3

In: -38.976 ± 0.153 χ^2/NDF : 8624.7/24

Out: -39.471 ± 0.152 χ^2/NDF : 10701.3/26

All: -39.225 ± 0.108 χ^2/NDF : 19331.3/51

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.318 ± 0.485 χ^2/NDF : 200.6/18

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

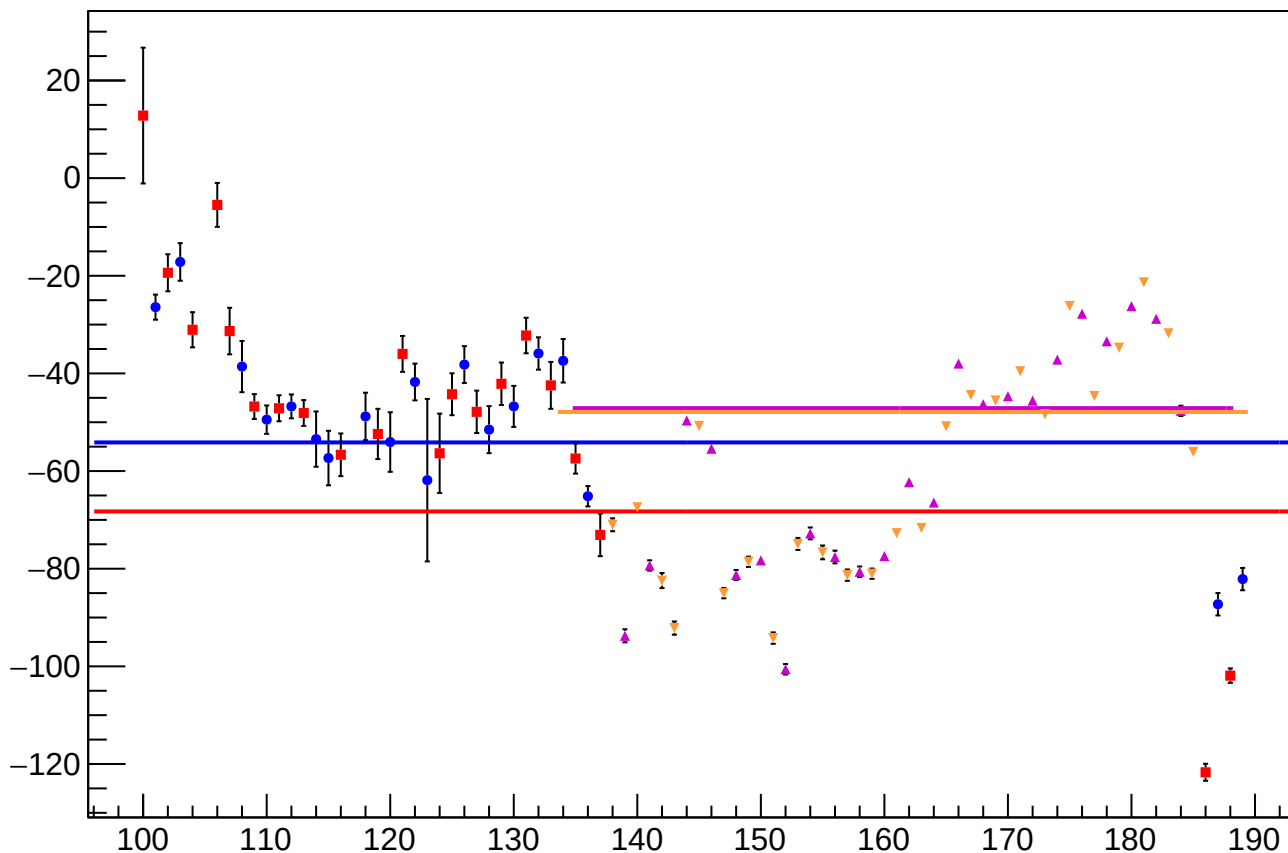
Right: -3.879 ± 0.345 χ^2/NDF : 355.7/39

In: 0.418 ± 0.120 χ^2/NDF : 3604.7/41

Out: 0.456 ± 0.121 χ^2/NDF : 4211.4/45

All: 0.437 ± 0.085 χ^2/NDF : 7816.2/87

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.133 ± 0.774 χ^2/NDF : 693.3/18

Left Out: -47.888 ± 0.155 χ^2/NDF : 16707.2/24

Right Out: -68.271 ± 0.693 χ^2/NDF : 2532.3/20

Left In: -47.112 ± 0.155 χ^2/NDF : 15654.8/22

Left: -47.500 ± 0.109 χ^2/NDF : 32374.6/47

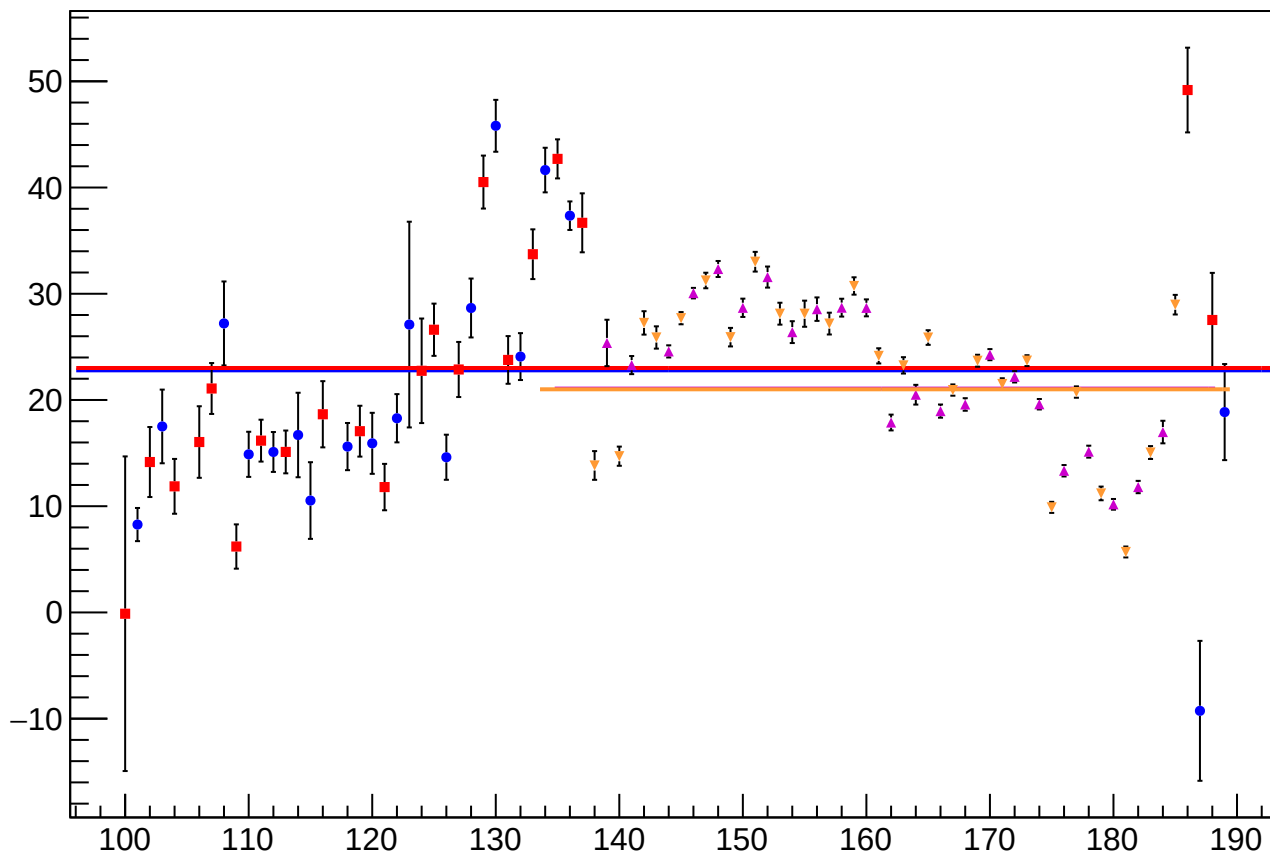
Right: -61.980 ± 0.516 χ^2/NDF : 3410.9/39

In: -47.382 ± 0.152 χ^2/NDF : 16427.2/41

Out: -48.857 ± 0.151 χ^2/NDF : 20063.8/45

All: -48.123 ± 0.107 χ^2/NDF : 36538.4/87

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.791 $\pm$ 0.550 χ^2 /NDF: 485.8/18

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

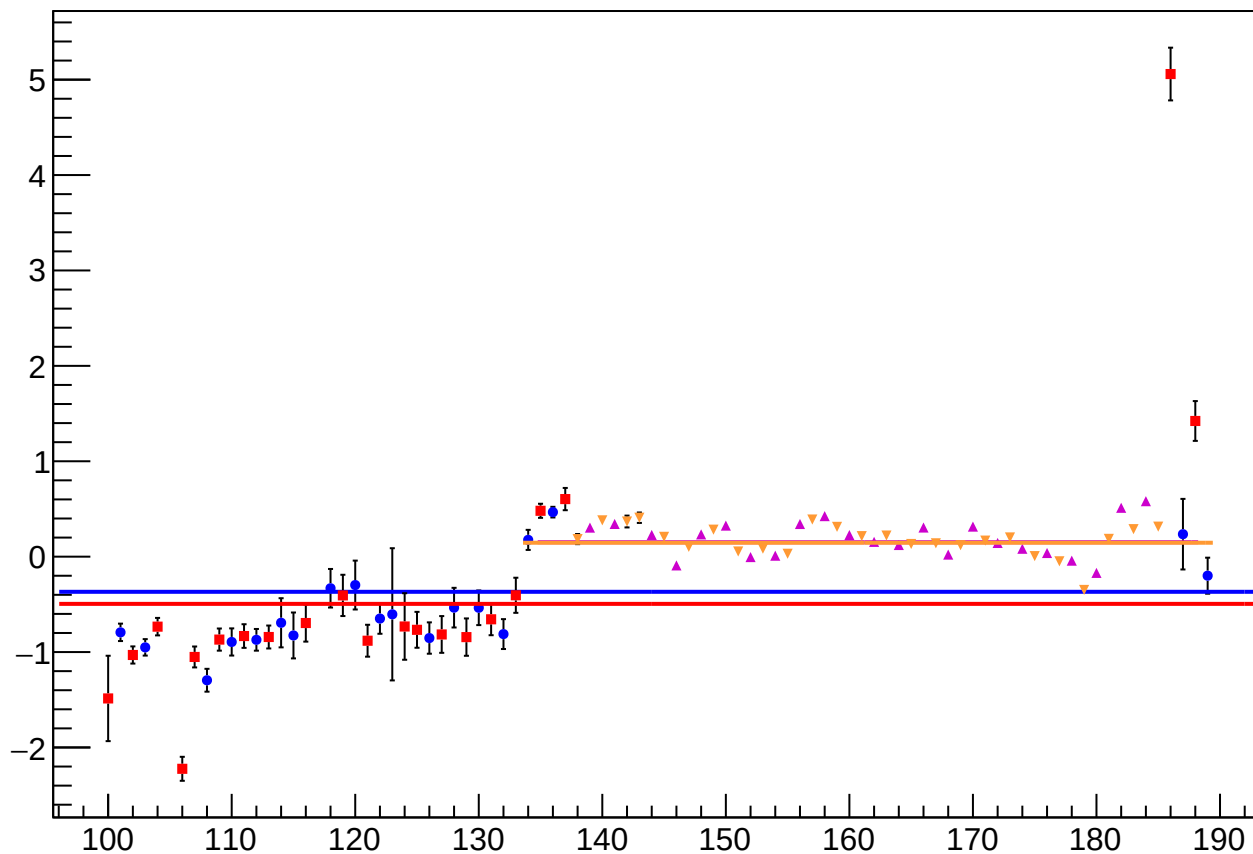
Right: 22.899 $\pm$ 0.393 χ^2 /NDF: 901.4/39

In: 21.173 $\pm$ 0.135 χ^2 /NDF:2671.8/41

Out: 21.120 $\pm$ 0.135 χ^2 /NDF:3217.0/45

All: 21.146 $\pm$ 0.095 χ^2 /NDF: 5888.9/87

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.368 ± 0.030 $\chi^2/\text{NDF}: 440.7/18$

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 $\chi^2/\text{NDF}: 1484.1/47$

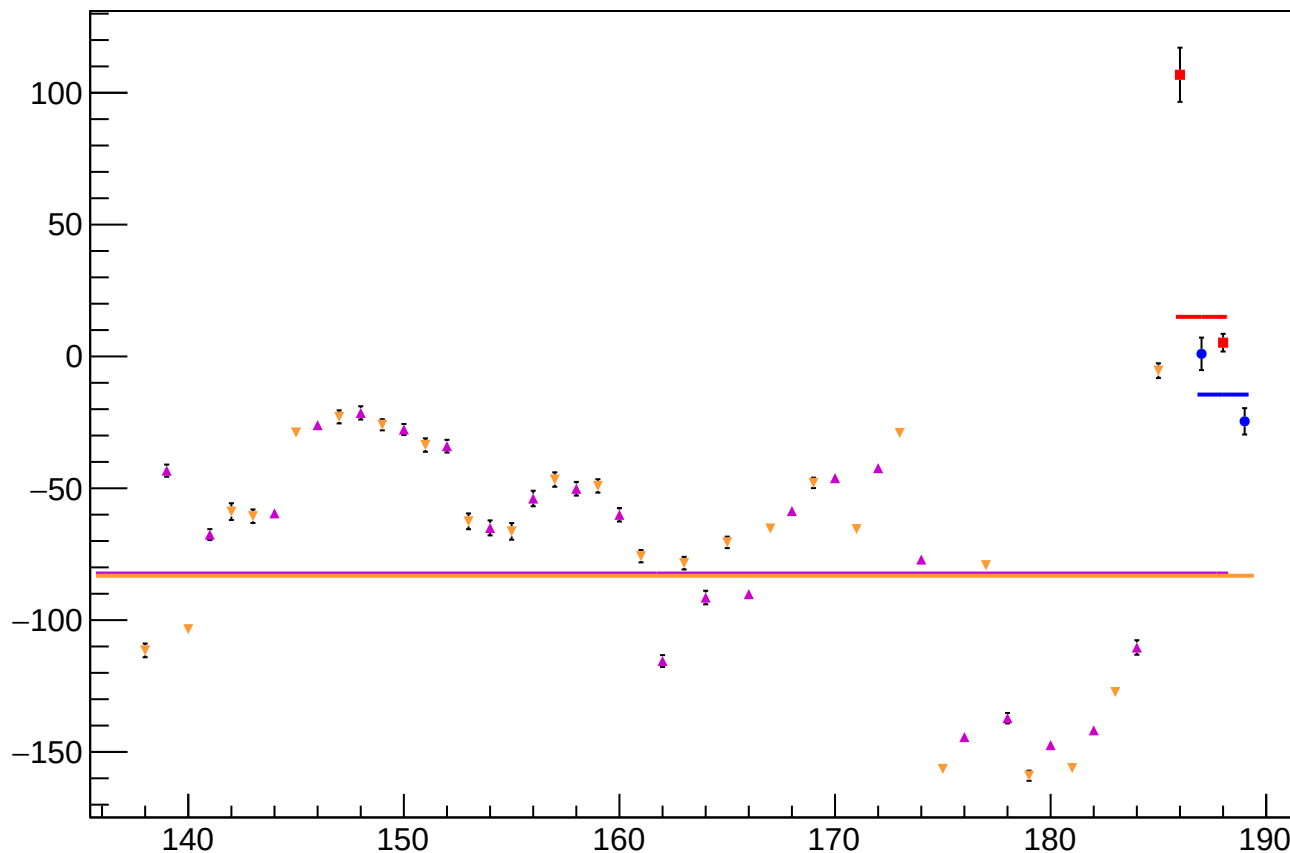
Right: -0.431 ± 0.021 $\chi^2/\text{NDF}: 1506.0/39$

In: 0.128 ± 0.006 $\chi^2/\text{NDF}: 1609.3/41$

Out: 0.118 ± 0.006 $\chi^2/\text{NDF}: 2111.6/45$

All: 0.123 ± 0.004 $\chi^2/\text{NDF}: 3722.2/87$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.457 ± 3.881 $\chi^2/\text{NDF}: 10.4/1$
 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 $\chi^2/\text{NDF}: 24751.3/47$

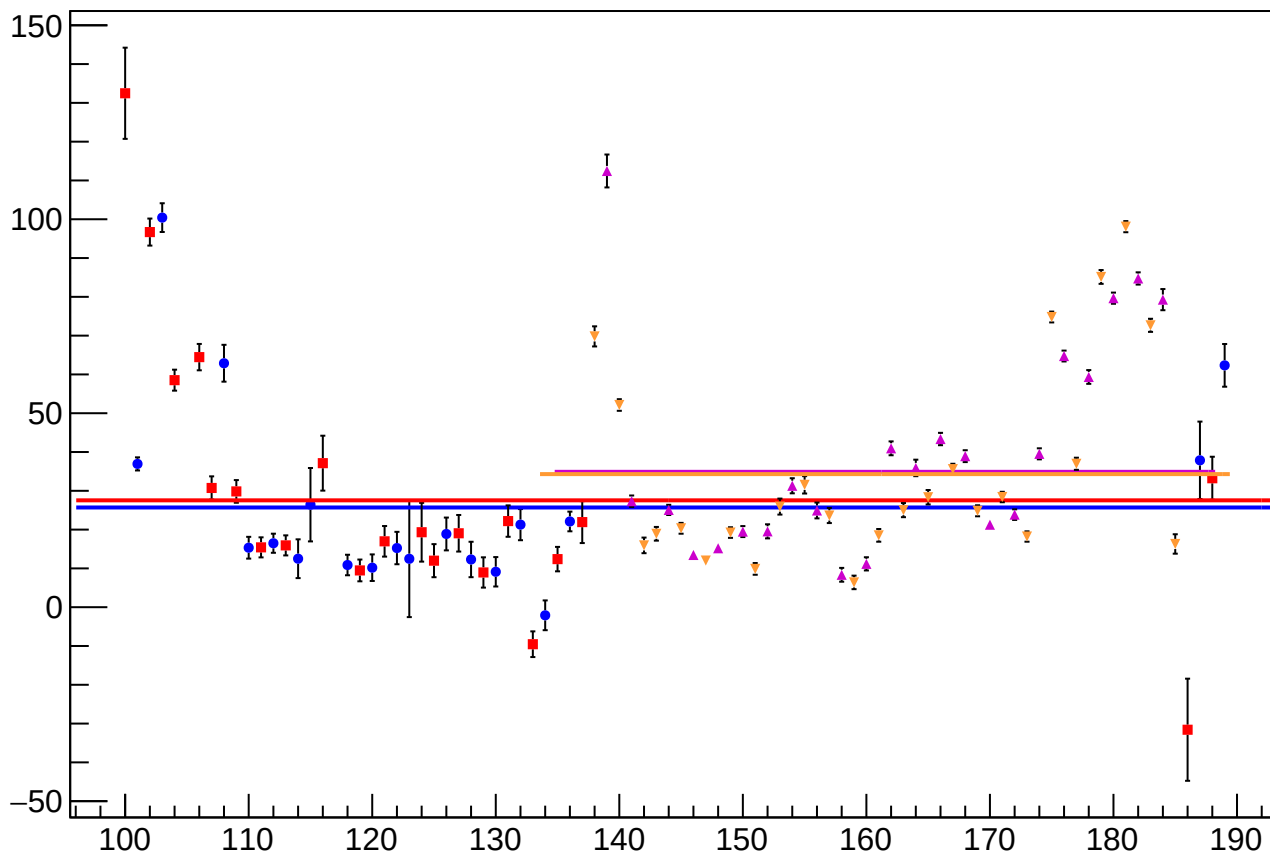
Right: 3.121 ± 2.465 $\chi^2/\text{NDF}: 133.0/3$

In: -81.582 ± 0.411 $\chi^2/\text{NDF}: 11267.9/24$

Out: -81.592 ± 0.404 $\chi^2/\text{NDF}: 14813.4/26$

All: -81.587 ± 0.288 $\chi^2/\text{NDF}: 26081.2/51$

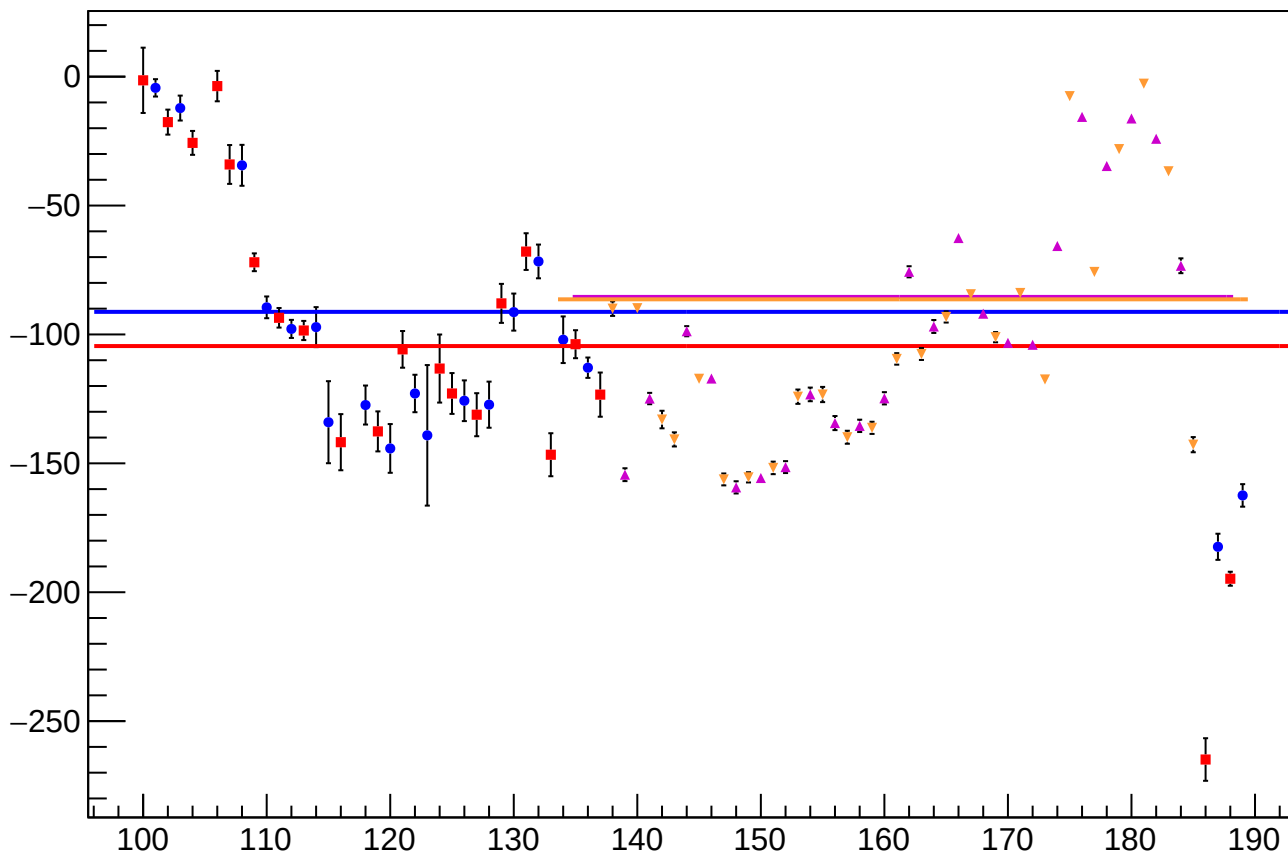
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.702 ± 0.790 $\chi^2/\text{NDF}: 737.8/18$
 Left Out: 34.306 ± 0.321 $\chi^2/\text{NDF}: 6163.7/24$
 Right Out: 27.545 ± 0.800 $\chi^2/\text{NDF}: 1030.4/20$
 Left In: 34.893 ± 0.328 $\chi^2/\text{NDF}: 4754.6/22$

Left: 34.593 ± 0.229 $\chi^2/\text{NDF}: 10919.9/47$
 Right: 26.612 ± 0.562 $\chi^2/\text{NDF}: 1770.9/39$
 In: 33.540 ± 0.303 $\chi^2/\text{NDF}: 5607.8/41$
 Out: 33.369 ± 0.298 $\chi^2/\text{NDF}: 7255.6/45$
 All: 33.453 ± 0.212 $\chi^2/\text{NDF}: 12863.5/87$

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.237 ± 1.299 $\chi^2/\text{NDF}: 1736.4/18$

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 $\chi^2/\text{NDF}: 27436.5/47$

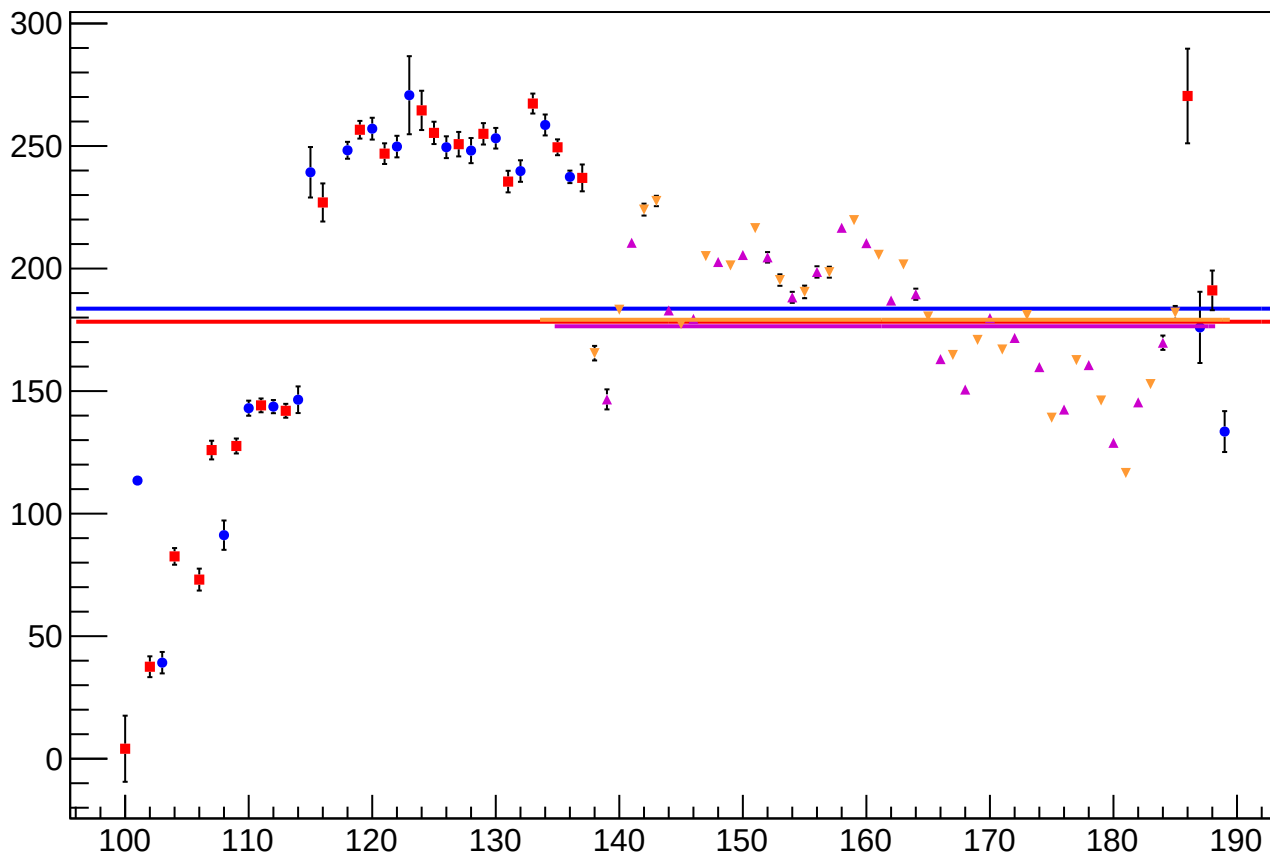
Right: -98.411 ± 0.880 $\chi^2/\text{NDF}: 4539.9/39$

In: -85.973 ± 0.394 $\chi^2/\text{NDF}: 14753.3/41$

Out: -88.272 ± 0.387 $\chi^2/\text{NDF}: 17387.5/45$

All: -87.142 ± 0.276 $\chi^2/\text{NDF}: 32158.1/87$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.640 $\pm$ 0.906 χ^2 /NDF: 5437.9/18

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

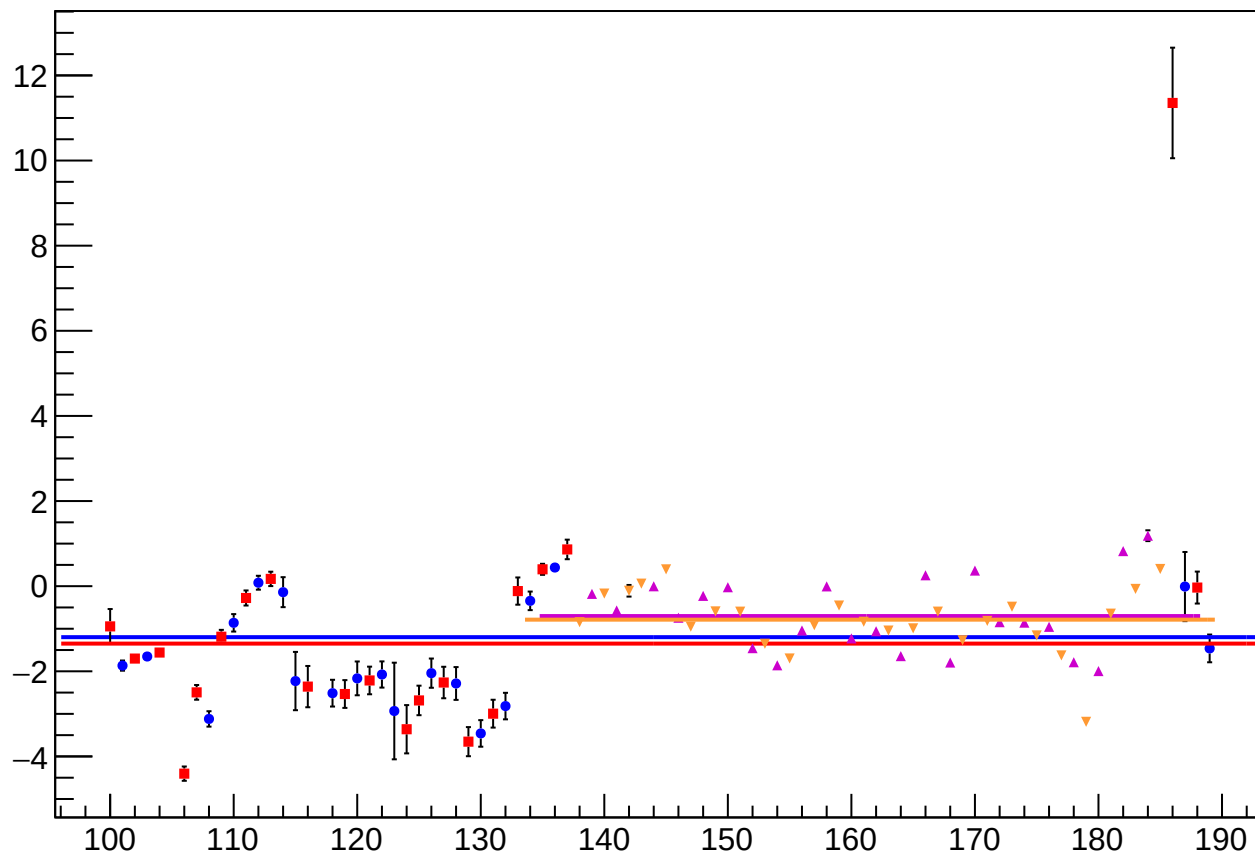
Right: 181.005 $\pm$ 0.645 χ^2 /NDF: 11811.3/39

In: 177.474 $\pm$ 0.342 χ^2 /NDF: 9933.9/41

Out: 179.000 $\pm$ 0.337 χ^2 /NDF: 12234.5/45

All: 178.249 $\pm$ 0.240 χ^2 /NDF: 22178.5/87

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.198 ± 0.047 χ^2/NDF : 625.9/18

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

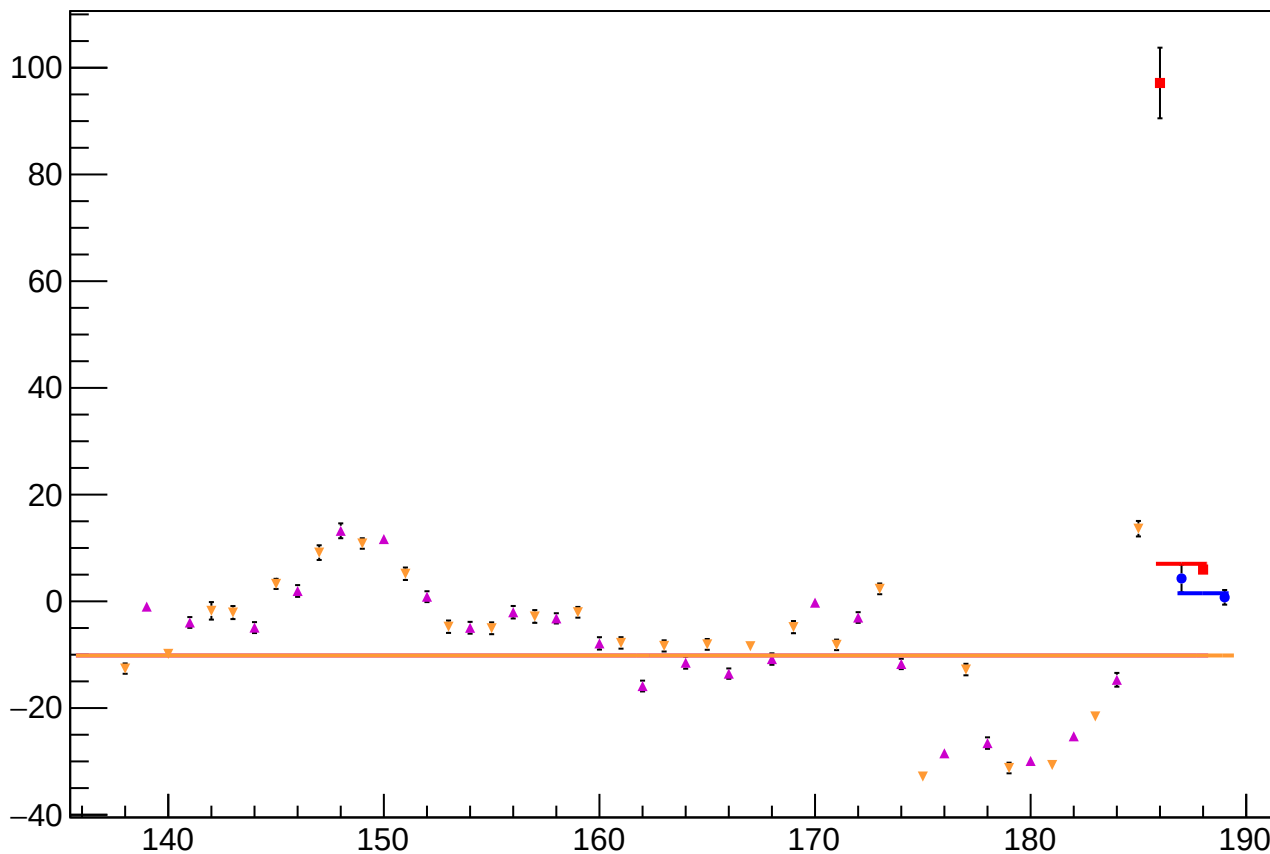
Right: -1.277 ± 0.033 χ^2/NDF : 1664.2/39

In: -0.757 ± 0.016 χ^2/NDF : 3144.0/41

Out: -0.853 ± 0.016 χ^2/NDF : 2929.1/45

All: -0.806 ± 0.011 χ^2/NDF : 6091.6/87

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.515+/-1.216 χ^2/NDF : 1.4/1

Left Out: -10.147+/-0.202 χ^2/NDF : 4128.5/24

Right Out: 7.034+/-0.722 χ^2/NDF : 187.5/1

Left In: -10.149+/-0.204 χ^2/NDF : 3491.7/22

Left: -10.148+/-0.143 χ^2/NDF : 7620.2/47

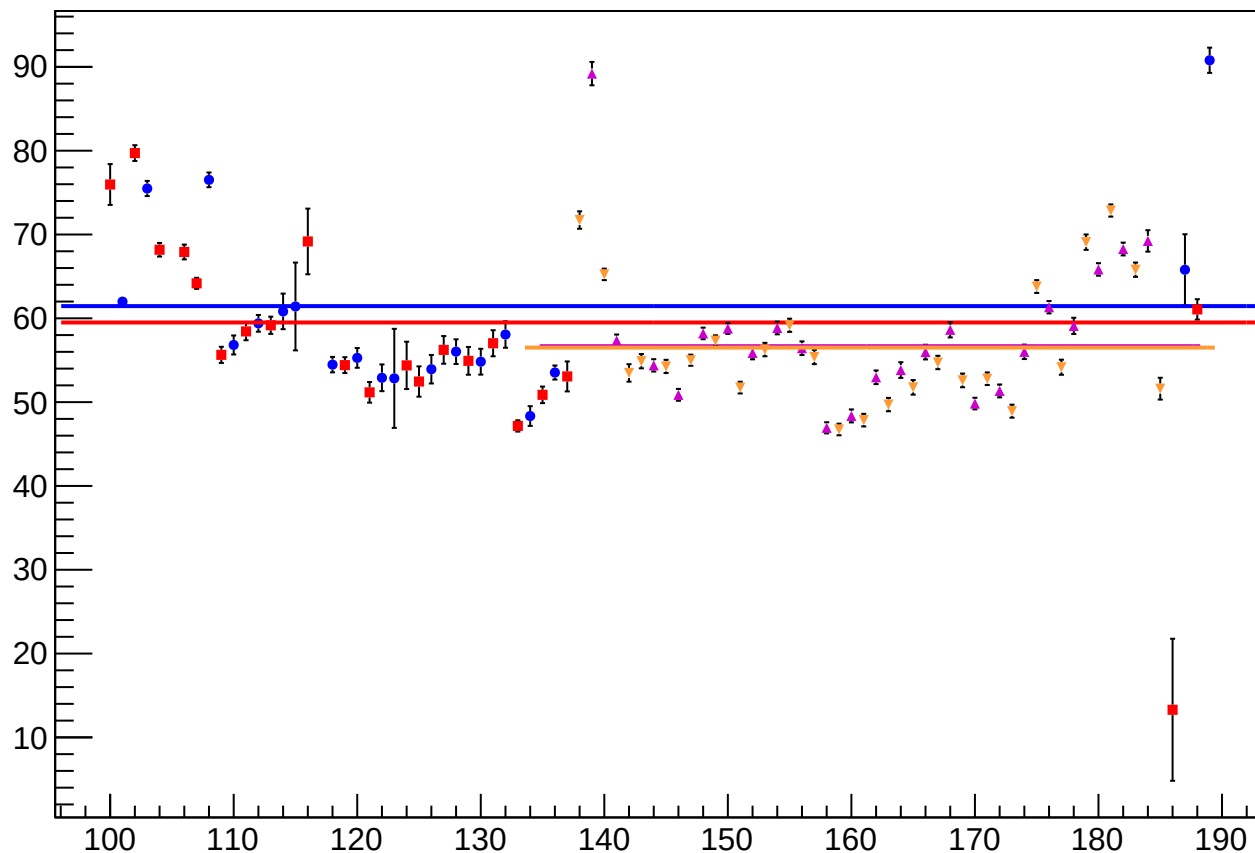
Right: 5.596+/-0.621 χ^2/NDF : 204.2/3

In: -9.830+/-0.201 χ^2/NDF : 3582.7/24

Out: -8.901+/-0.194 χ^2/NDF : 4841.8/26

All: -9.350+/-0.140 χ^2/NDF : 8435.5/51

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 61.457 $\pm$ 0.257 χ^2 /NDF: 1324.0/18

Left Out: 56.508 $\pm$ 0.159 χ^2 /NDF:1962.3/24

Right Out: 59.503 $\pm$ 0.243 χ^2 /NDF: 1348.4/20

Left In: 56.674 $\pm$ 0.165 χ^2 /NDF:1679.8/22

Left: 56.588 $\pm$ 0.114 χ^2 /NDF: 3642.7/47

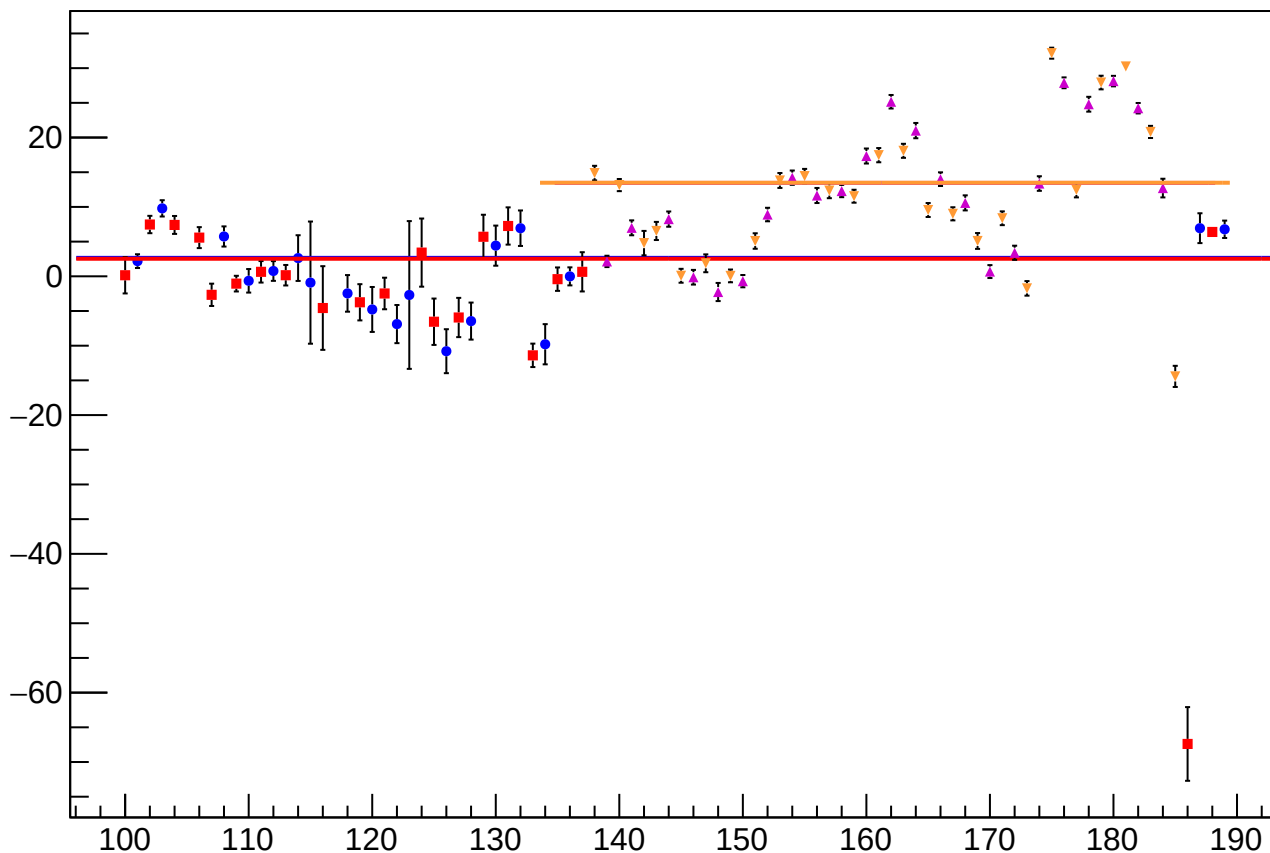
Right: 60.424 $\pm$ 0.177 χ^2 /NDF: 2702.9/39

In: 58.065 $\pm$ 0.139 χ^2 /NDF:3249.1/41

Out: 57.409 $\pm$ 0.133 χ^2 /NDF:3417.1/45

All: 57.724 $\pm$ 0.096 χ^2 /NDF: 6677.8/87

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.658 $\pm$ 0.422 χ^2 /NDF: 139.0/18

Left Out: 13.485 $\pm$ 0.202 χ^2 /NDF: 2731.0/24

Right Out: 2.531 $\pm$ 0.343 χ^2 /NDF: 379.9/20

Left In: 13.456 $\pm$ 0.203 χ^2 /NDF: 2371.9/22

Left: 13.471 $\pm$ 0.143 χ^2 /NDF: 5102.9/47

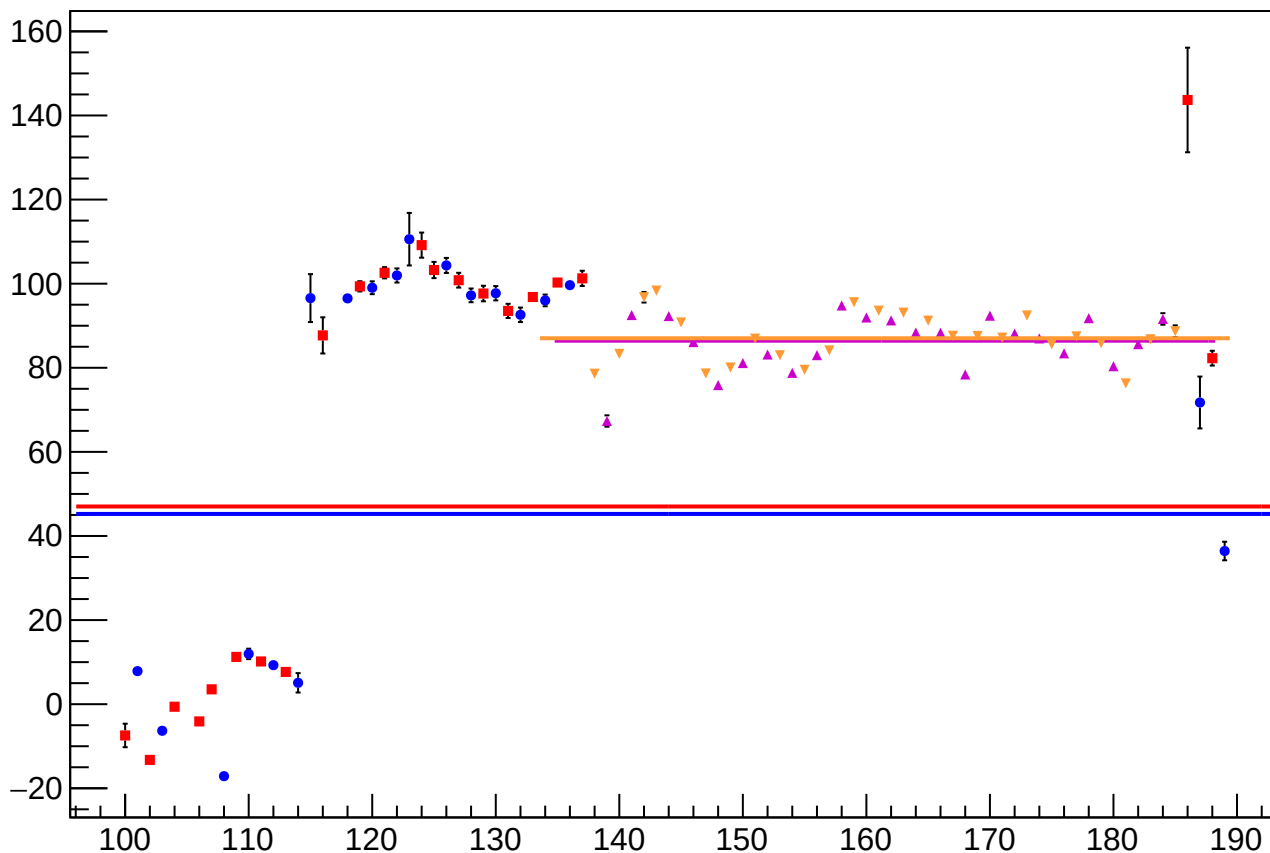
Right: 2.582 $\pm$ 0.266 χ^2 /NDF: 518.9/39

In: 11.423 $\pm$ 0.183 χ^2 /NDF: 3043.4/41

Out: 10.668 $\pm$ 0.174 χ^2 /NDF: 3868.1/45

All: 11.027 $\pm$ 0.126 χ^2 /NDF: 6920.4/87

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.241 $\pm$ 0.300 χ^2 /NDF: 25105.5/18

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

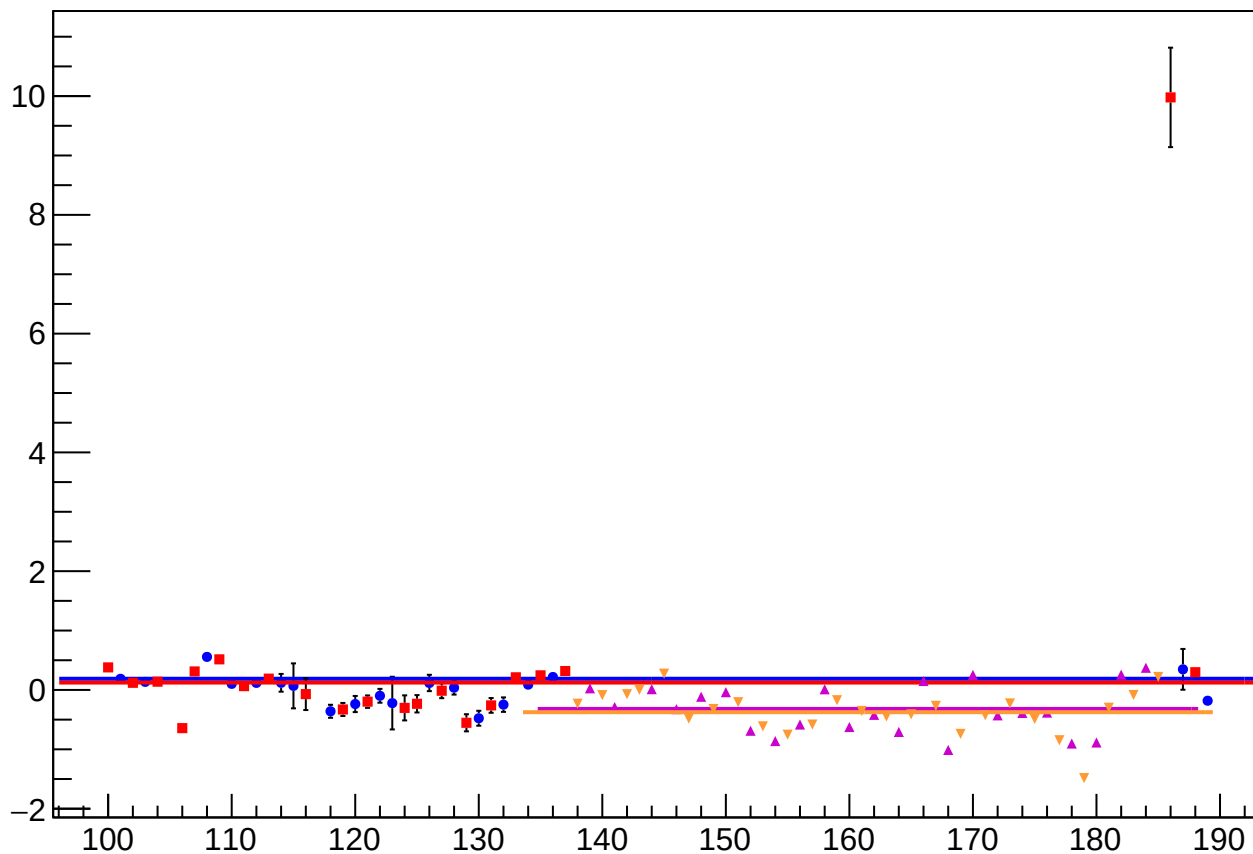
Right: 46.172 $\pm$ 0.207 χ^2 /NDF: 53818.4/39

In: 75.185 $\pm$ 0.157 χ^2 /NDF:39846.3/41

Out: 75.693 $\pm$ 0.152 χ^2 /NDF:43823.3/45

All: 75.447 $\pm$ 0.109 χ^2 /NDF: 83675.0/87

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.188+/-0.014 χ^2/NDF : 243.5/18

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

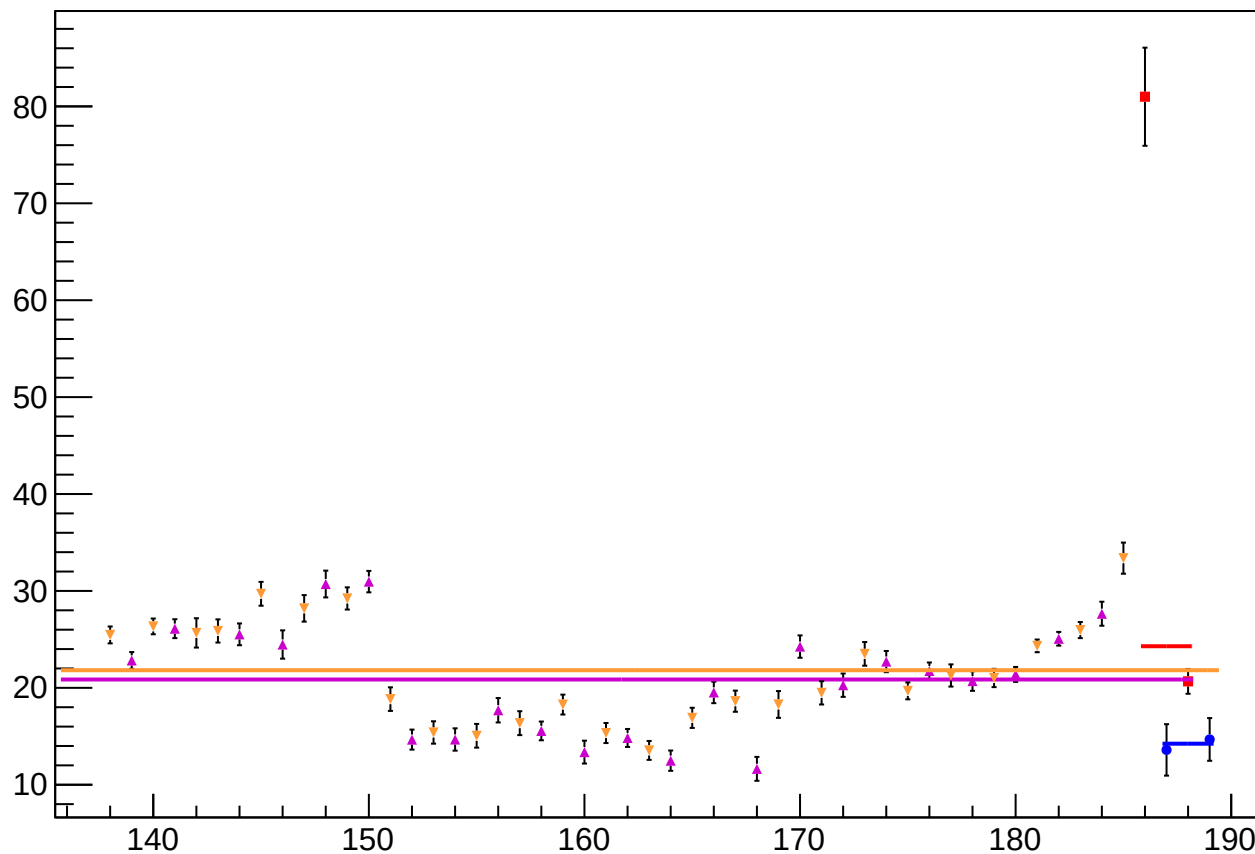
Right: 0.154+/-0.009 χ^2/NDF : 898.6/39

In: -0.188+/-0.007 χ^2/NDF : 3576.1/41

Out: -0.232+/-0.007 χ^2/NDF : 3378.4/45

All: -0.211+/-0.005 χ^2/NDF : 6974.2/87

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 14.236+/-1.695 χ^2/NDF : 0.1/1

Left Out: 21.818+/-0.210 χ^2/NDF : 522.7/24

Right Out: 24.292+/-1.241 χ^2/NDF : 133.5/1

Left In: 20.860+/-0.216 χ^2/NDF : 575.5/22

Left: 21.351+/-0.151 χ^2/NDF : 1108.3/47

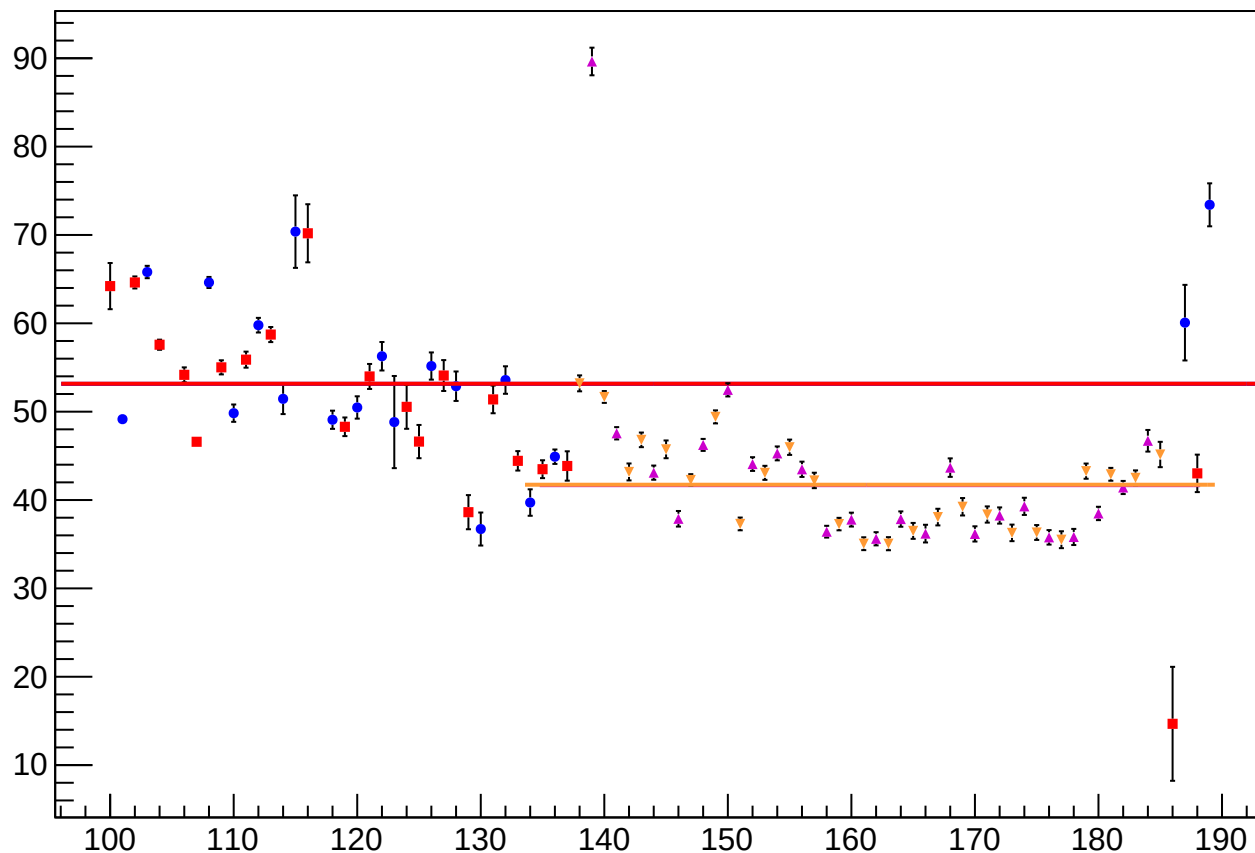
Right: 20.785+/-1.001 χ^2/NDF : 156.5/3

In: 20.755+/-0.214 χ^2/NDF : 590.7/24

Out: 21.887+/-0.207 χ^2/NDF : 660.1/26

All: 21.339+/-0.149 χ^2/NDF : 1265.2/51

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 53.149 $\pm$ 0.209 χ^2 /NDF: 1270.4/18

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

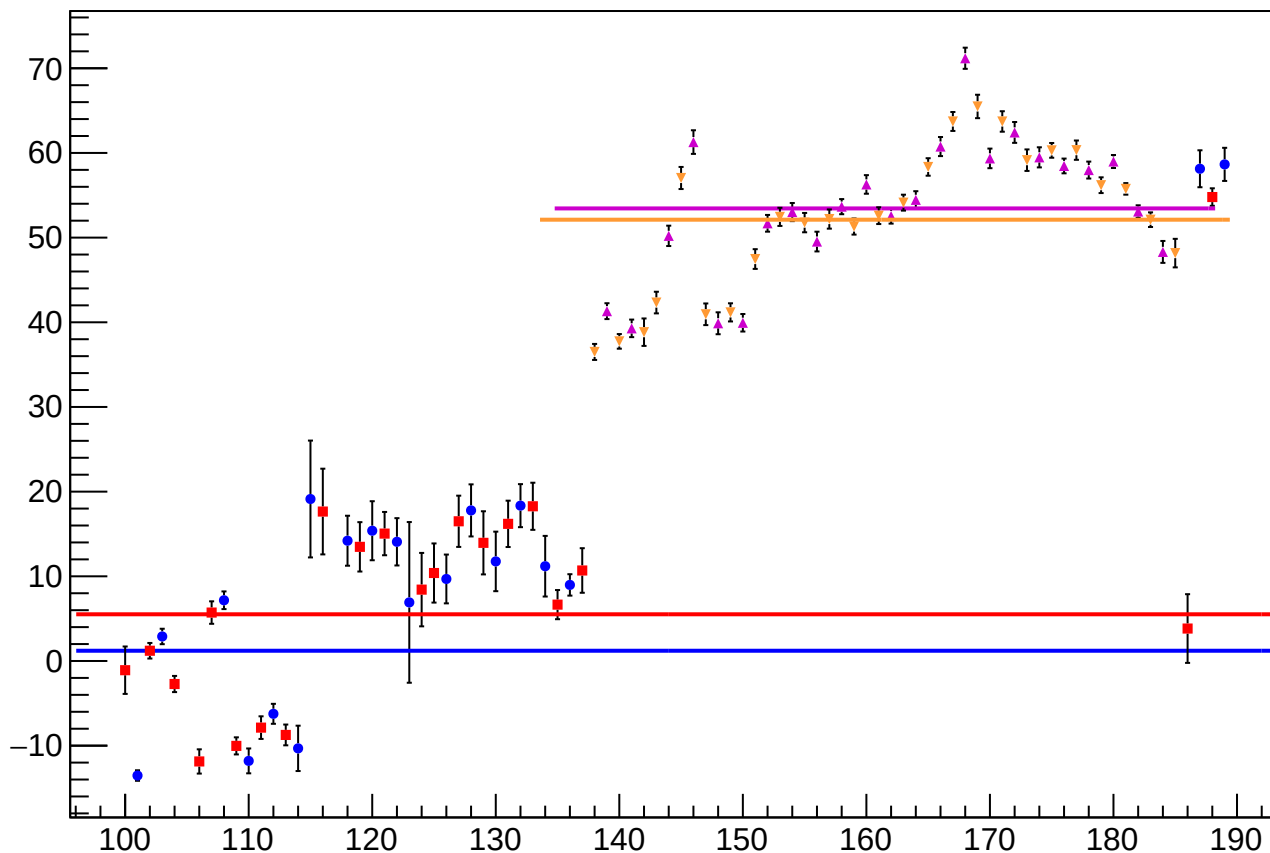
Right: 53.156 $\pm$ 0.153 χ^2 /NDF: 2202.2/39

In: 46.354 $\pm$ 0.133 χ^2 /NDF:4767.8/41

Out: 45.751 $\pm$ 0.134 χ^2 /NDF:3615.8/45

All: 46.053 $\pm$ 0.094 χ^2 /NDF: 8393.8/87

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.210 ± 0.353 χ^2/NDF : 2480.6/18

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

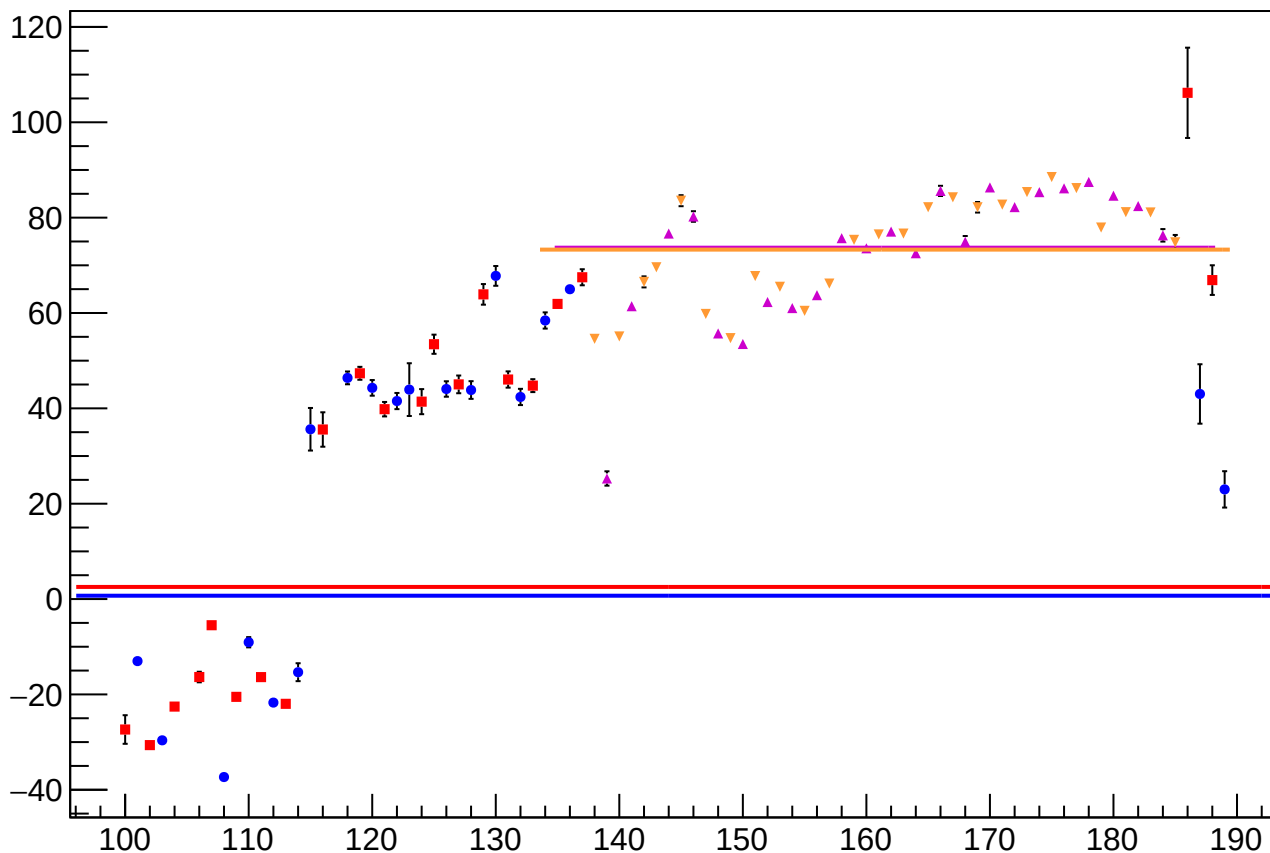
Right: 3.364 ± 0.249 χ^2/NDF : 5641.9/39

In: 39.366 ± 0.183 χ^2/NDF : 19646.5/41

Out: 39.882 ± 0.181 χ^2/NDF : 17405.2/45

All: 39.628 ± 0.129 χ^2/NDF : 37055.8/87

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.701 ± 0.246 $\chi^2/\text{NDF}: 18504.5/18$

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 $\chi^2/\text{NDF}: 7051.6/47$

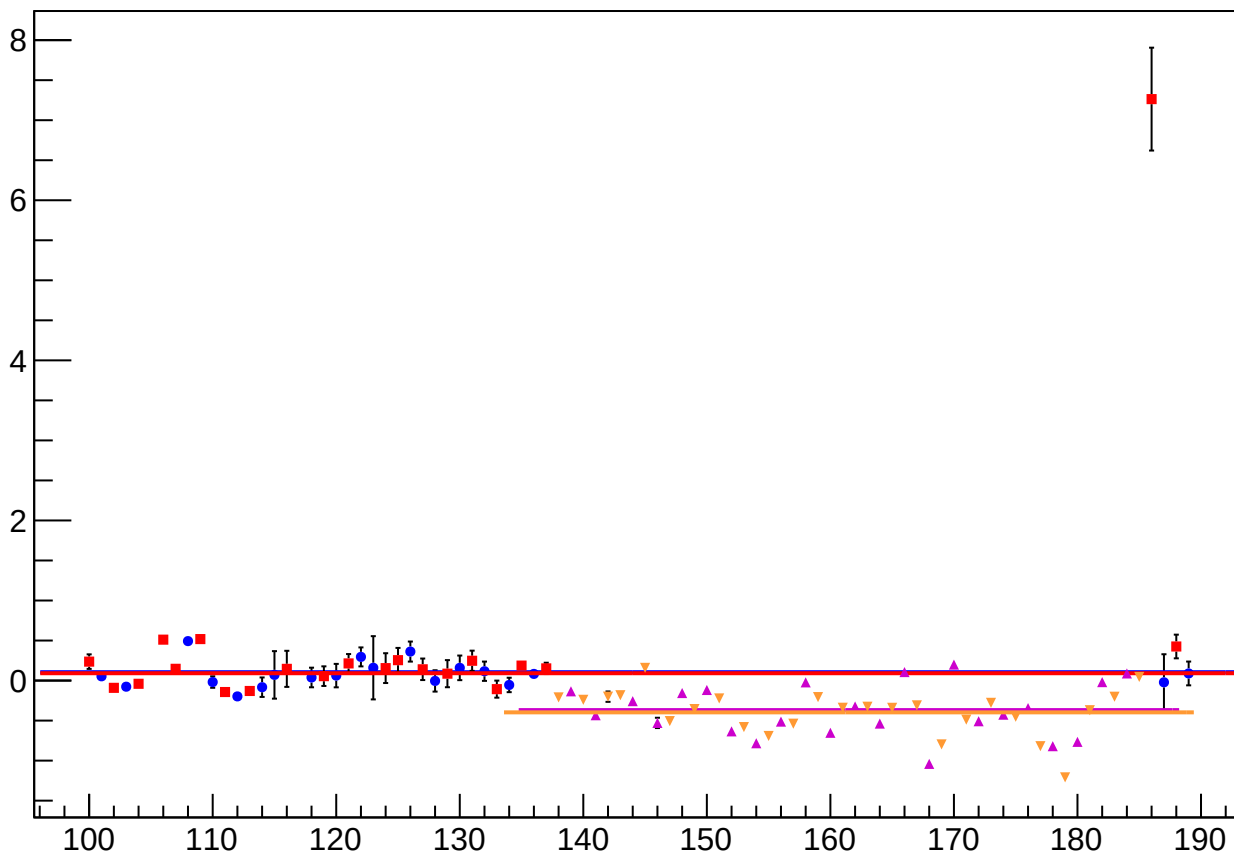
Right: 1.553 ± 0.180 $\chi^2/\text{NDF}: 34559.5/39$

In: 45.733 ± 0.152 $\chi^2/\text{NDF}: 76726.7/41$

Out: 49.770 ± 0.153 $\chi^2/\text{NDF}: 66597.1/45$

All: 47.741 ± 0.108 $\chi^2/\text{NDF}: 143673.3/87$

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.9/18$

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 $\chi^2/\text{NDF}: 2271.6/47$

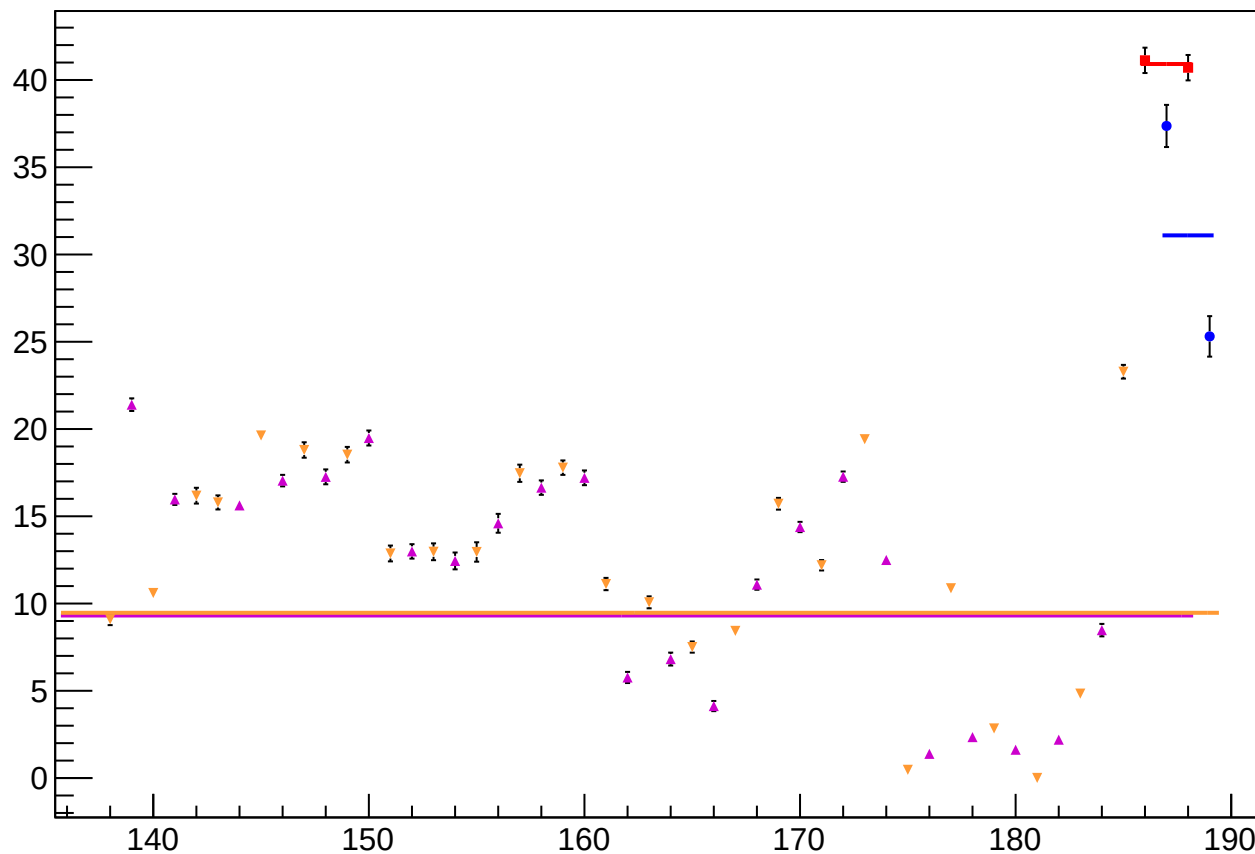
Right: 0.098 ± 0.008 $\chi^2/\text{NDF}: 922.3/39$

In: -0.188 ± 0.007 $\chi^2/\text{NDF}: 2868.2/41$

Out: -0.212 ± 0.007 $\chi^2/\text{NDF}: 2698.0/45$

All: -0.200 ± 0.005 $\chi^2/\text{NDF}: 5572.6/87$

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 31.096+/-0.837 χ^2/NDF : 51.8/1

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

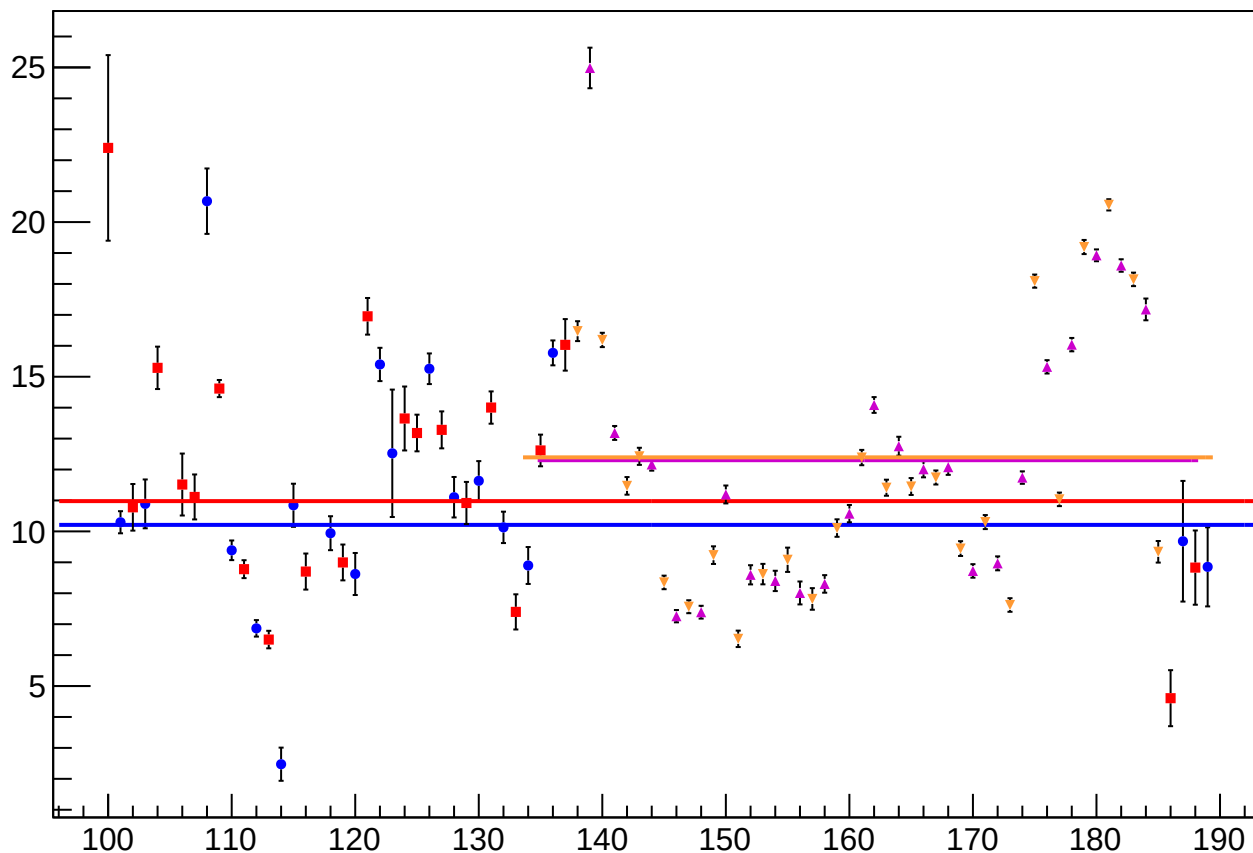
Right: 38.225+/-0.438 χ^2/NDF : 151.9/3

In: 9.437+/-0.063 χ^2/NDF :11732.6/24

Out: 9.911+/-0.061 χ^2/NDF :16264.6/26

All: 9.680+/-0.044 χ^2/NDF : 28026.7/51

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.210 $\pm$ 0.118 χ^2 /NDF: 878.8/18

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

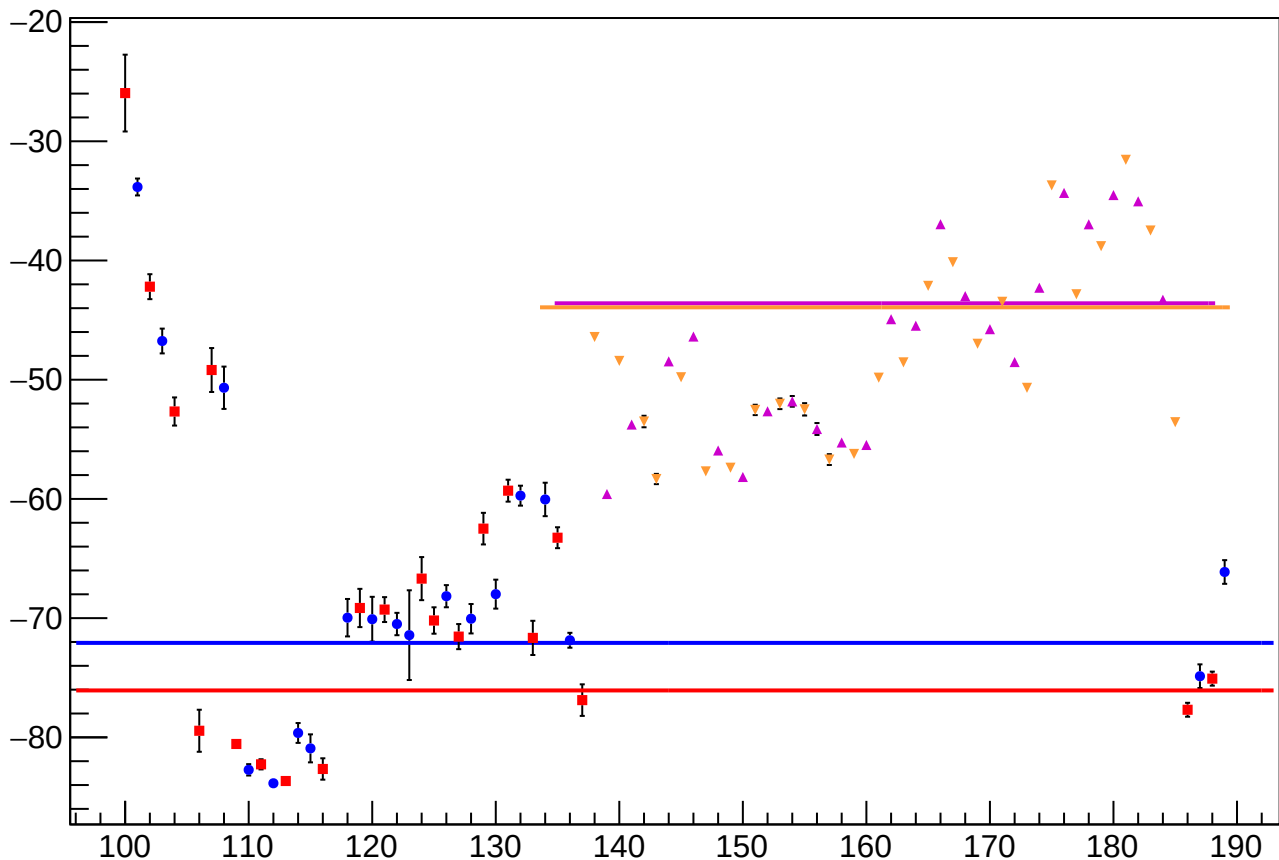
Right: 10.605 $\pm$ 0.082 χ^2 /NDF: 1771.6/39

In: 11.973 $\pm$ 0.047 χ^2 /NDF: 6804.0/41

Out: 12.169 $\pm$ 0.046 χ^2 /NDF: 8524.5/45

All: 12.074 $\pm$ 0.033 χ^2 /NDF: 15337.5/87

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.076 ± 0.190 $\chi^2/\text{NDF}: 5611.1/18$

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 $\chi^2/\text{NDF}: 33165.5/47$

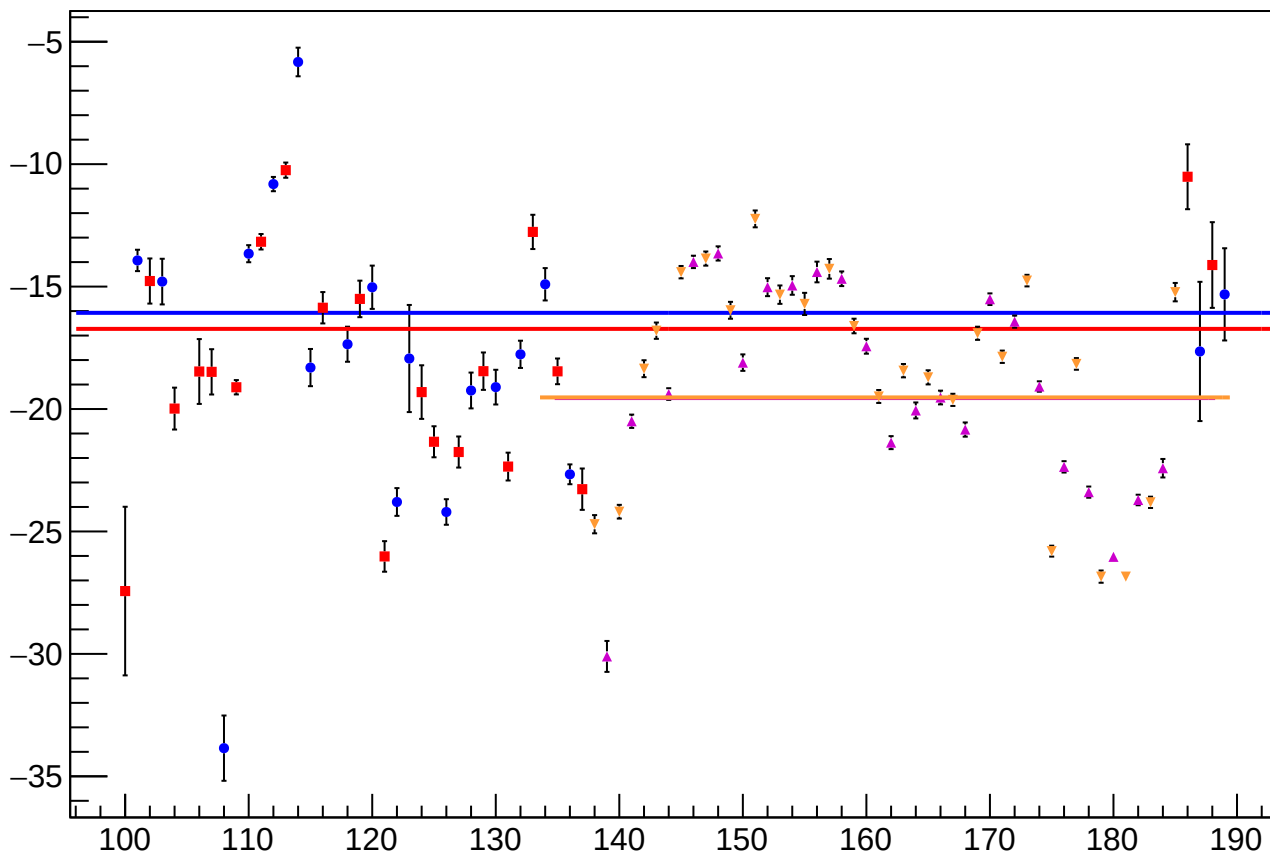
Right: -74.343 ± 0.125 $\chi^2/\text{NDF}: 9336.9/39$

In: -46.411 ± 0.060 $\chi^2/\text{NDF}: 41374.6/41$

Out: -47.874 ± 0.058 $\chi^2/\text{NDF}: 53999.4/45$

All: -47.164 ± 0.042 $\chi^2/\text{NDF}: 95681.8/87$

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.072 ± 0.132 $\chi^2/\text{NDF}: 1641.4/18$

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 $\chi^2/\text{NDF}: 10852.2/47$

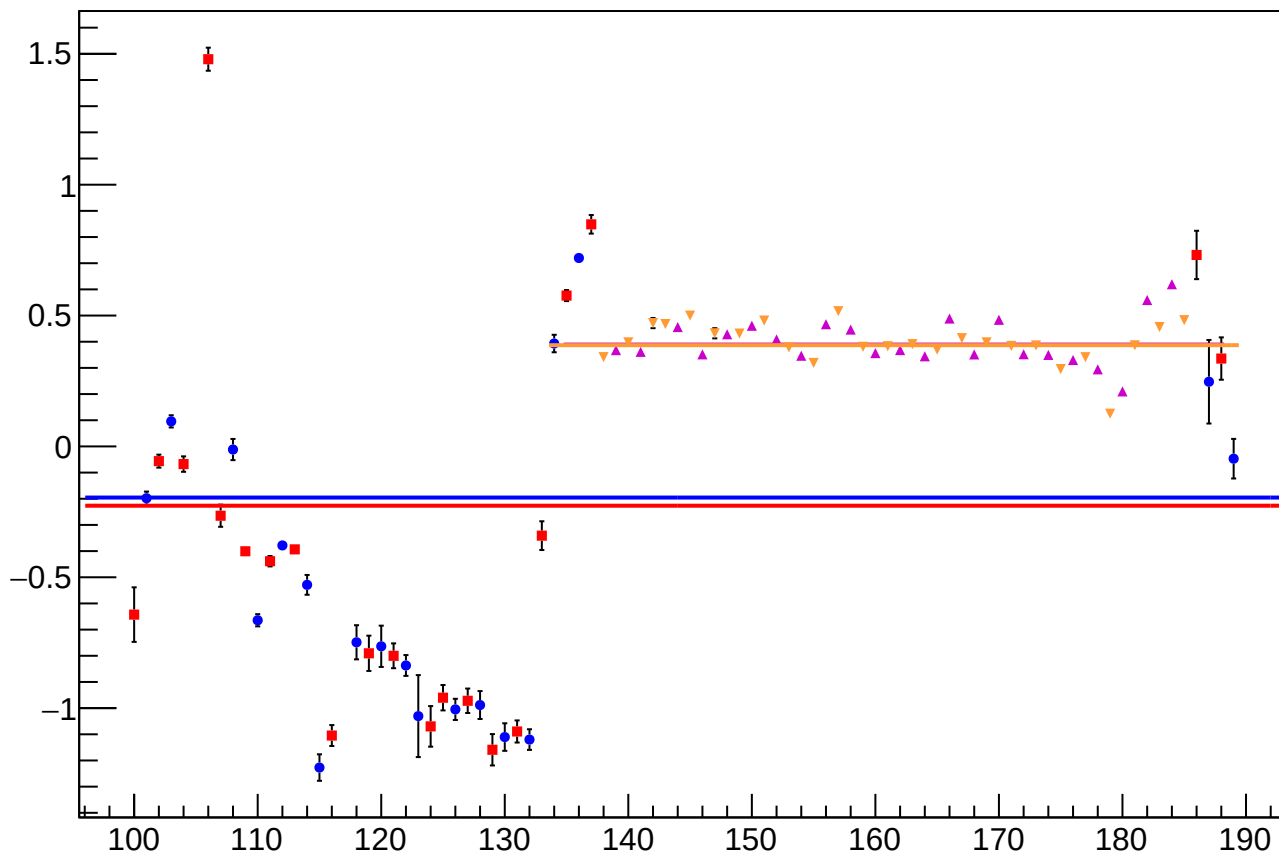
Right: -16.411 ± 0.091 $\chi^2/\text{NDF}: 2894.4/39$

In: -19.001 ± 0.052 $\chi^2/\text{NDF}: 6588.6/41$

Out: -19.073 ± 0.051 $\chi^2/\text{NDF}: 8139.1/45$

All: -19.038 ± 0.037 $\chi^2/\text{NDF}: 14728.6/87$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.195 $\pm$ 0.007 χ^2 /NDF: 6350.4/18

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

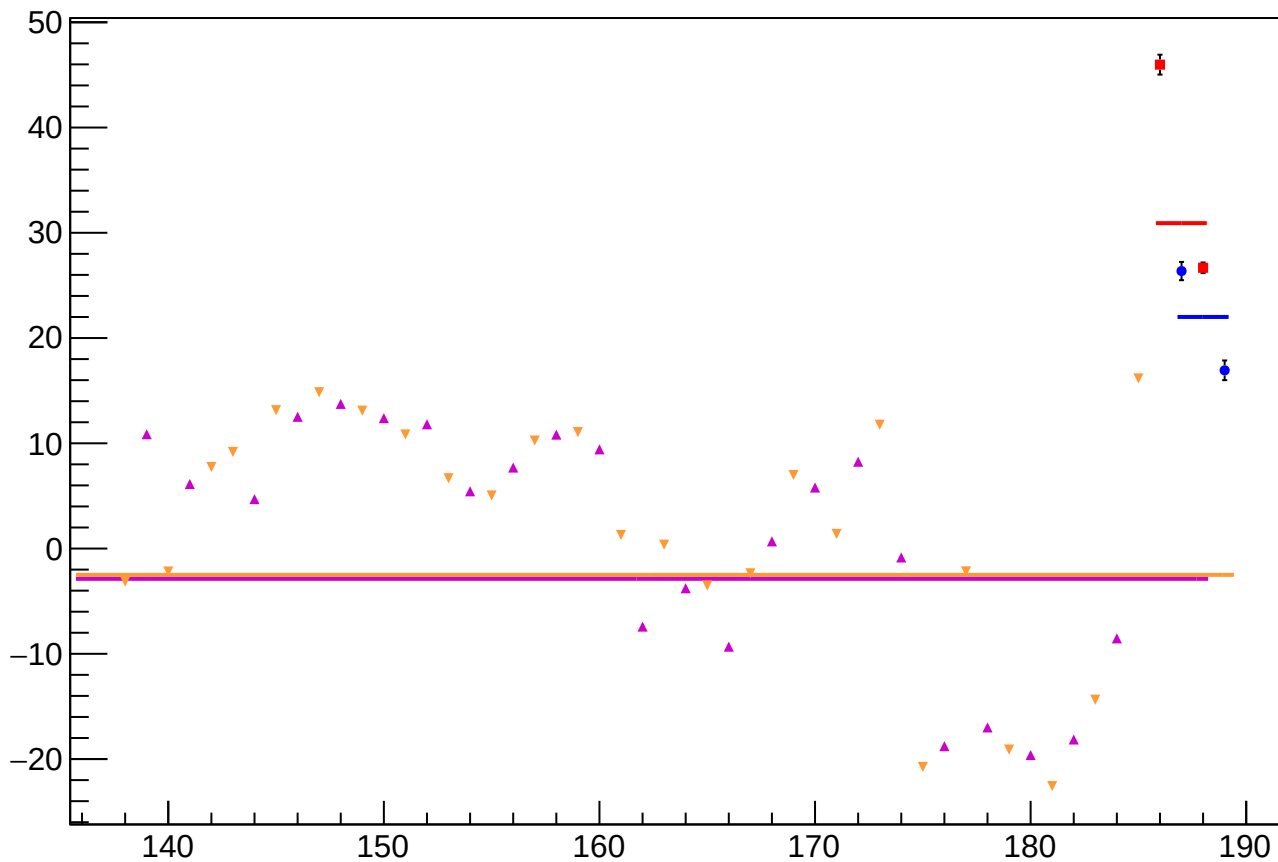
Right: -0.212 $\pm$ 0.005 χ^2 /NDF: 12739.2/39

In: 0.326 $\pm$ 0.002 χ^2 /NDF:13037.9/41

Out: 0.316 $\pm$ 0.002 χ^2 /NDF:13935.6/45

All: 0.321 $\pm$ 0.002 χ^2 /NDF: 26981.0/87

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 22.004+/-0.636 χ^2/NDF : 54.6/1

Left Out: -2.499+/-0.053 χ^2/NDF : 55930.9/24

Right Out: 30.917+/-0.444 χ^2/NDF : 323.8/1

Left In: -2.876+/-0.055 χ^2/NDF : 46380.9/22

Left: -2.681+/-0.038 χ^2/NDF : 102336.4/47

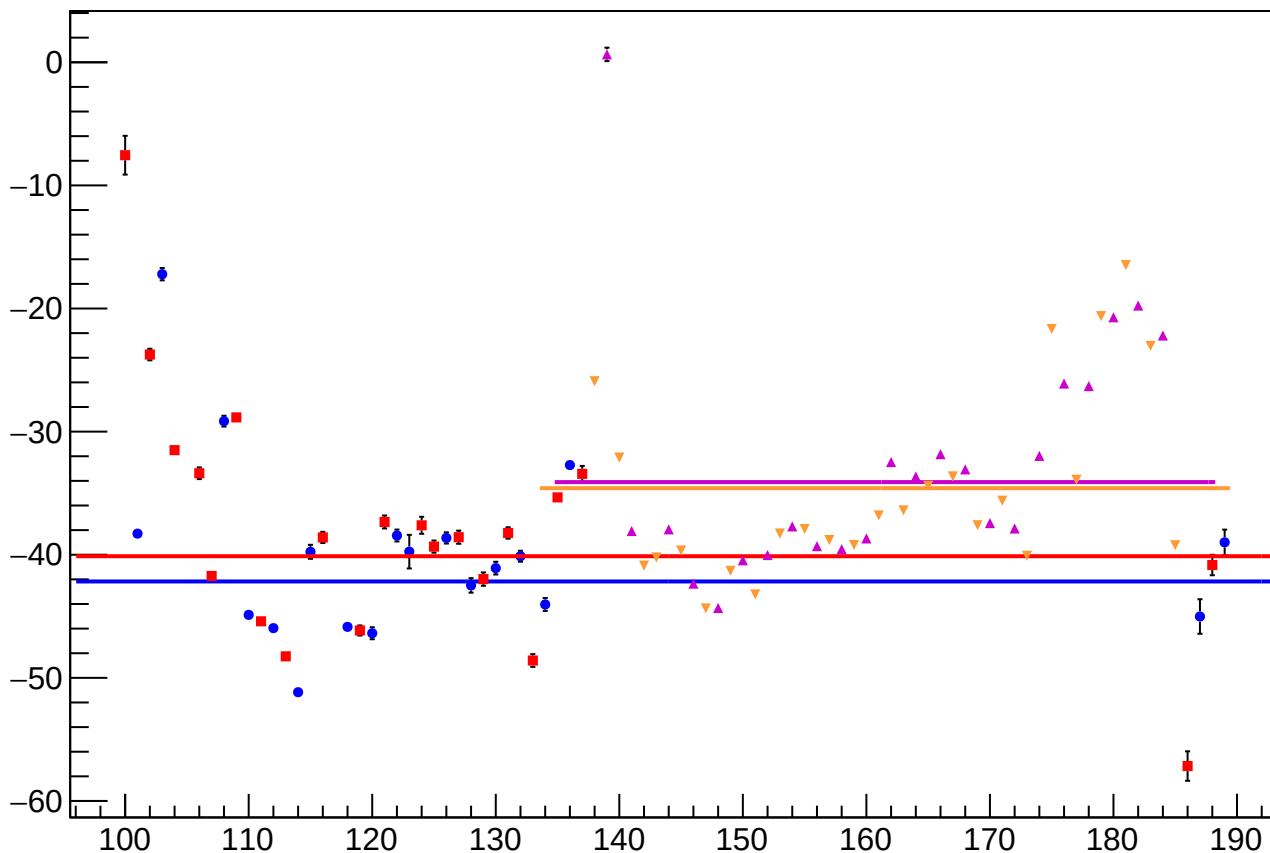
Right: 27.997+/-0.364 χ^2/NDF : 510.3/3

In: -2.694+/-0.054 χ^2/NDF : 47953.1/24

Out: -2.031+/-0.053 χ^2/NDF : 61836.4/26

All: -2.351+/-0.038 χ^2/NDF : 109866.3/51

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.169 ± 0.077 $\chi^2/\text{NDF}: 6587.4/18$

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 $\chi^2/\text{NDF}: 63841.7/47$

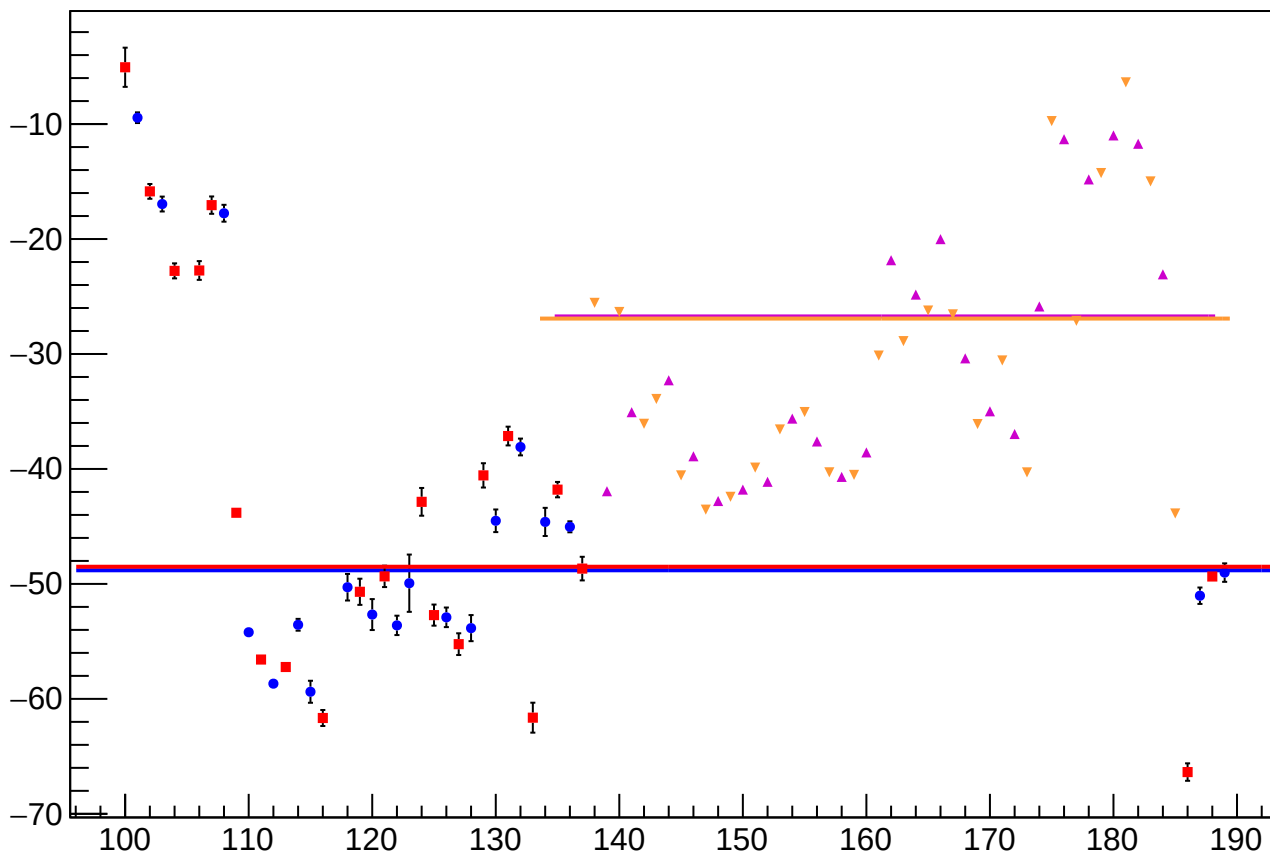
Right: -41.076 ± 0.053 $\chi^2/\text{NDF}: 18478.7/39$

In: -36.059 ± 0.038 $\chi^2/\text{NDF}: 44183.8/41$

Out: -35.984 ± 0.036 $\chi^2/\text{NDF}: 50286.1/45$

All: -36.020 ± 0.026 $\chi^2/\text{NDF}: 94472.0/87$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.815 ± 0.121 $\chi^2/\text{NDF}: 14668.5/18$

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 $\chi^2/\text{NDF}: 91847.9/47$

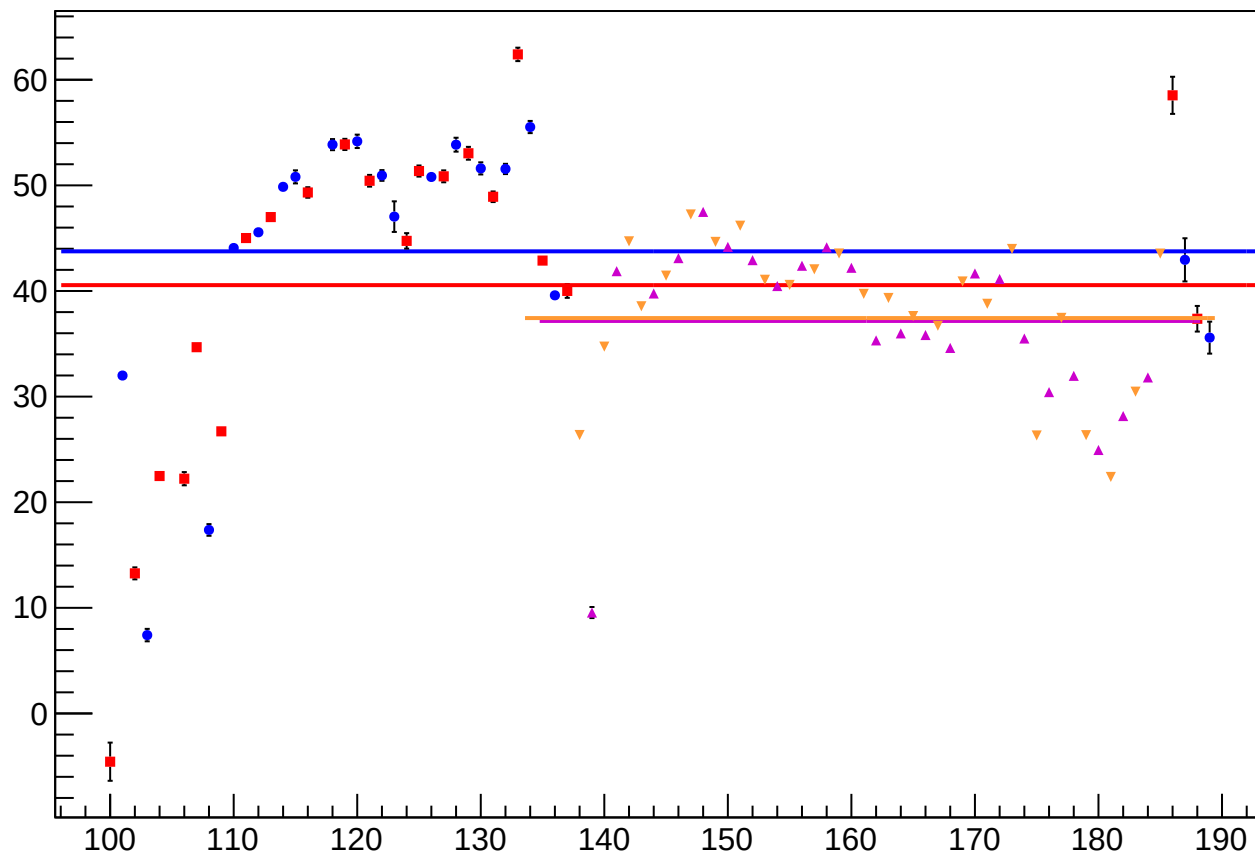
Right: -48.635 ± 0.078 $\chi^2/\text{NDF}: 26976.5/39$

In: -30.474 ± 0.050 $\chi^2/\text{NDF}: 84895.4/41$

Out: -31.504 ± 0.047 $\chi^2/\text{NDF}: 96291.3/45$

All: -31.016 ± 0.034 $\chi^2/\text{NDF}: 181411.0/87$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.754 $\pm$ 0.086 χ^2 /NDF: 10668.1/18

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

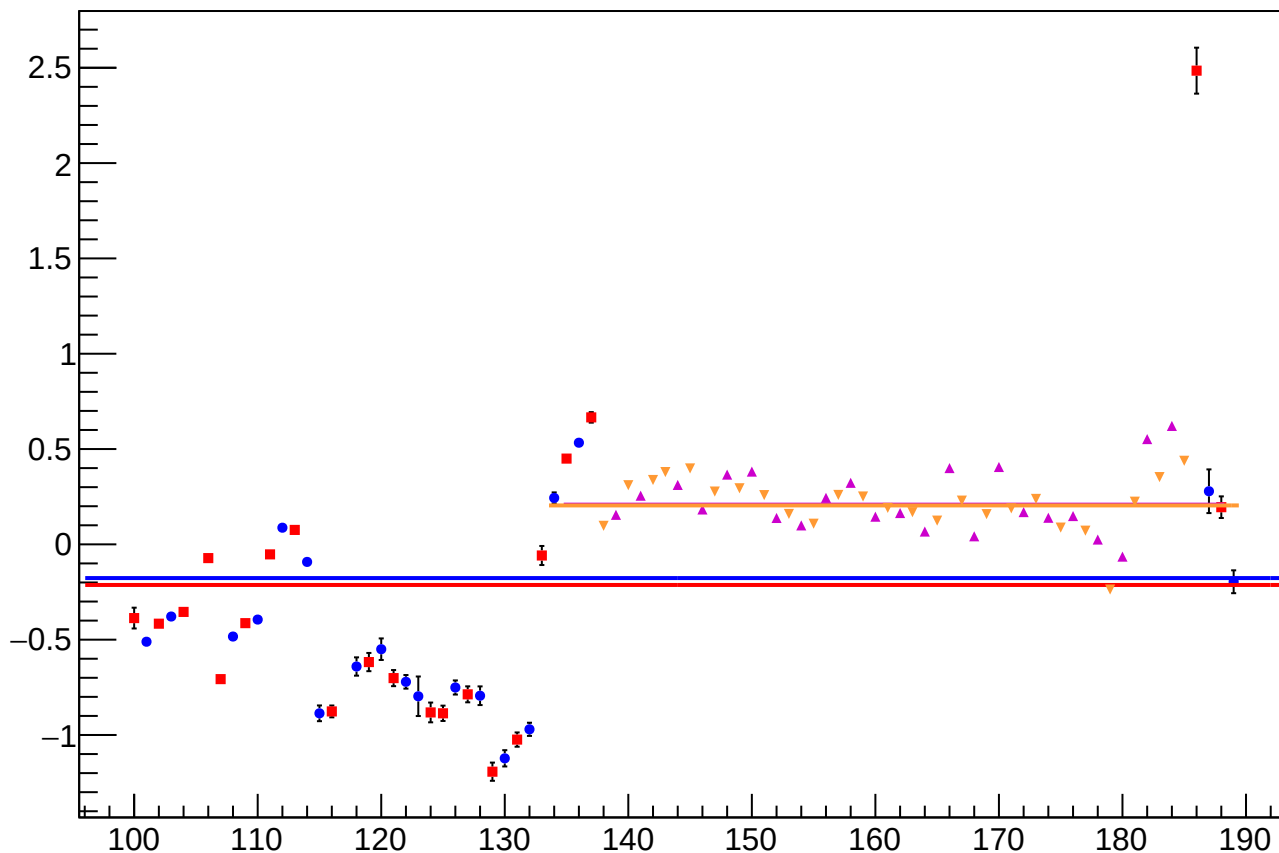
Right: 42.029 $\pm$ 0.059 χ^2 /NDF: 29099.3/39

In: 38.774 $\pm$ 0.043 χ^2 /NDF:32491.2/41

Out: 38.245 $\pm$ 0.041 χ^2 /NDF:40337.0/45

All: 38.497 $\pm$ 0.029 χ^2 /NDF: 72908.5/87

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7391.8/18

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

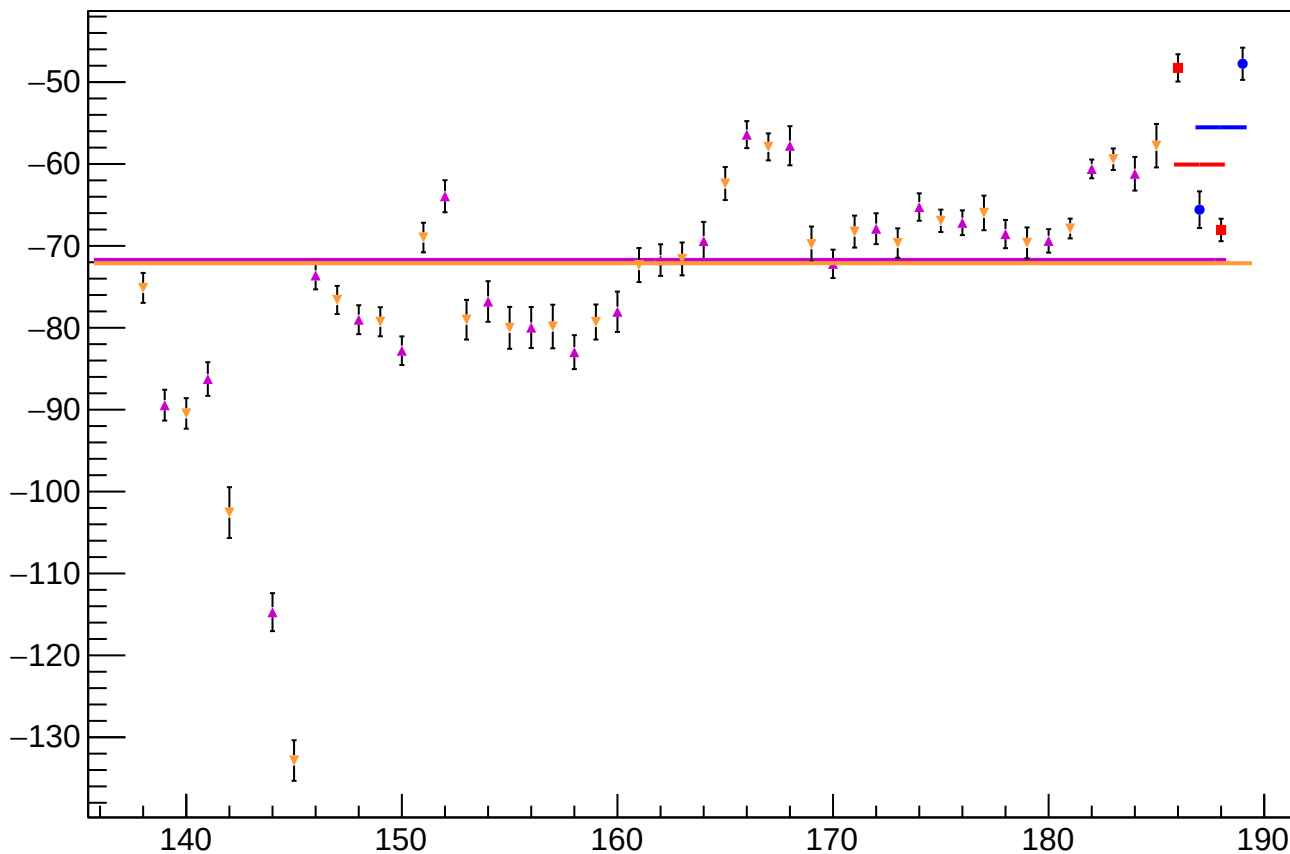
Right: -0.197 ± 0.003 χ^2/NDF : 15447.4/39

In: 0.140 ± 0.002 χ^2/NDF : 17748.6/41

Out: 0.118 ± 0.002 χ^2/NDF : 19358.1/45

All: 0.129 ± 0.001 χ^2/NDF : 37165.2/87

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



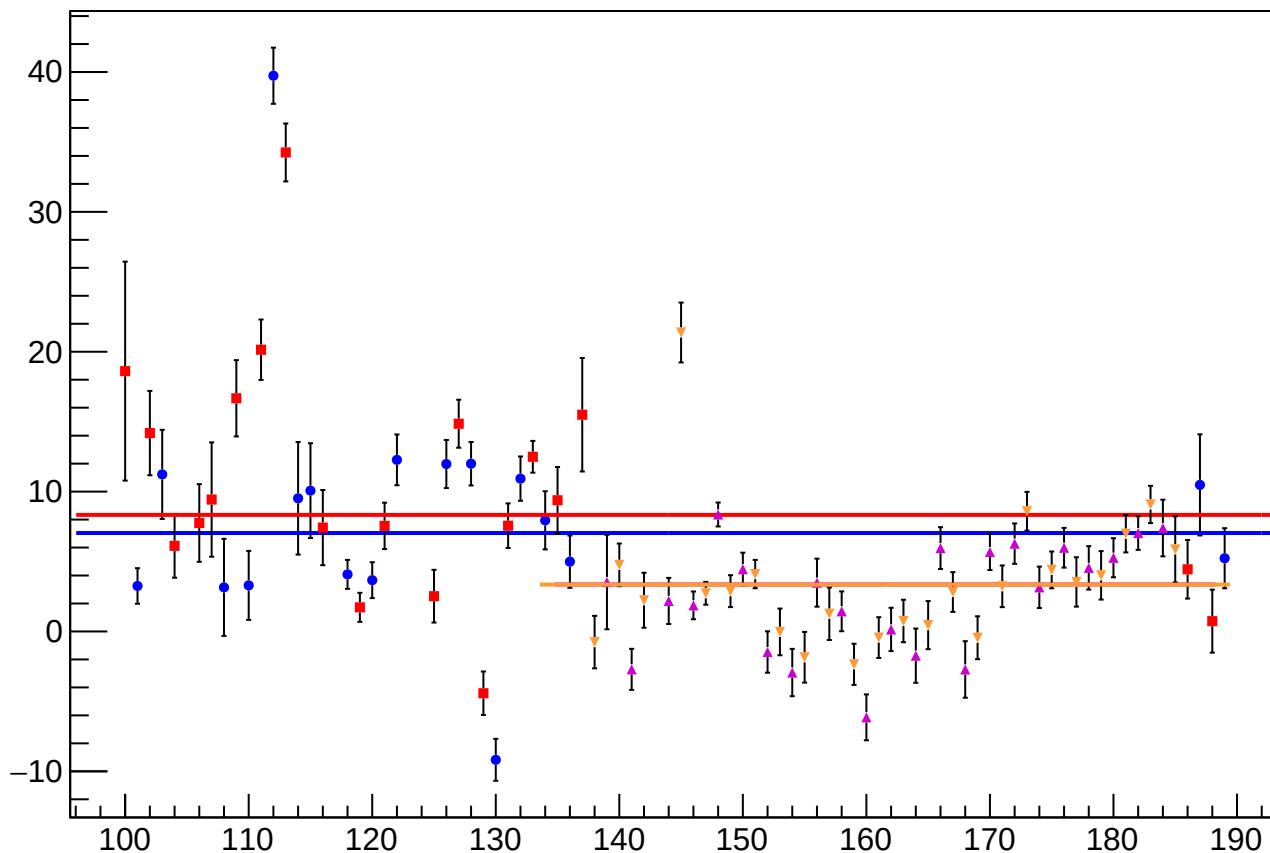
Right In: -55.522 $\pm$ 1.478 χ^2 /NDF: 35.7/1
 Left Out: -72.115 $\pm$ 0.383 χ^2 /NDF:1125.2/23
 Right Out: -60.068 $\pm$ 1.059 χ^2 /NDF: 84.1/1
 Left In: -71.713 $\pm$ 0.380 χ^2 /NDF:884.6/22

Left: -71.913 $\pm$ 0.270 χ^2 /NDF: 2010.3/46
 Right: -58.526 $\pm$ 0.861 χ^2 /NDF: 126.1/3

In: -70.707 $\pm$ 0.368 χ^2 /NDF:1033.0/24
 Out: -70.722 $\pm$ 0.360 χ^2 /NDF:1323.8/25

All: -70.715 $\pm$ 0.257 χ^2 /NDF: 2356.8/50

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.039 ± 0.422 $\chi^2/\text{NDF}: 448.5/17$

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 $\chi^2/\text{NDF}: 332.3/46$

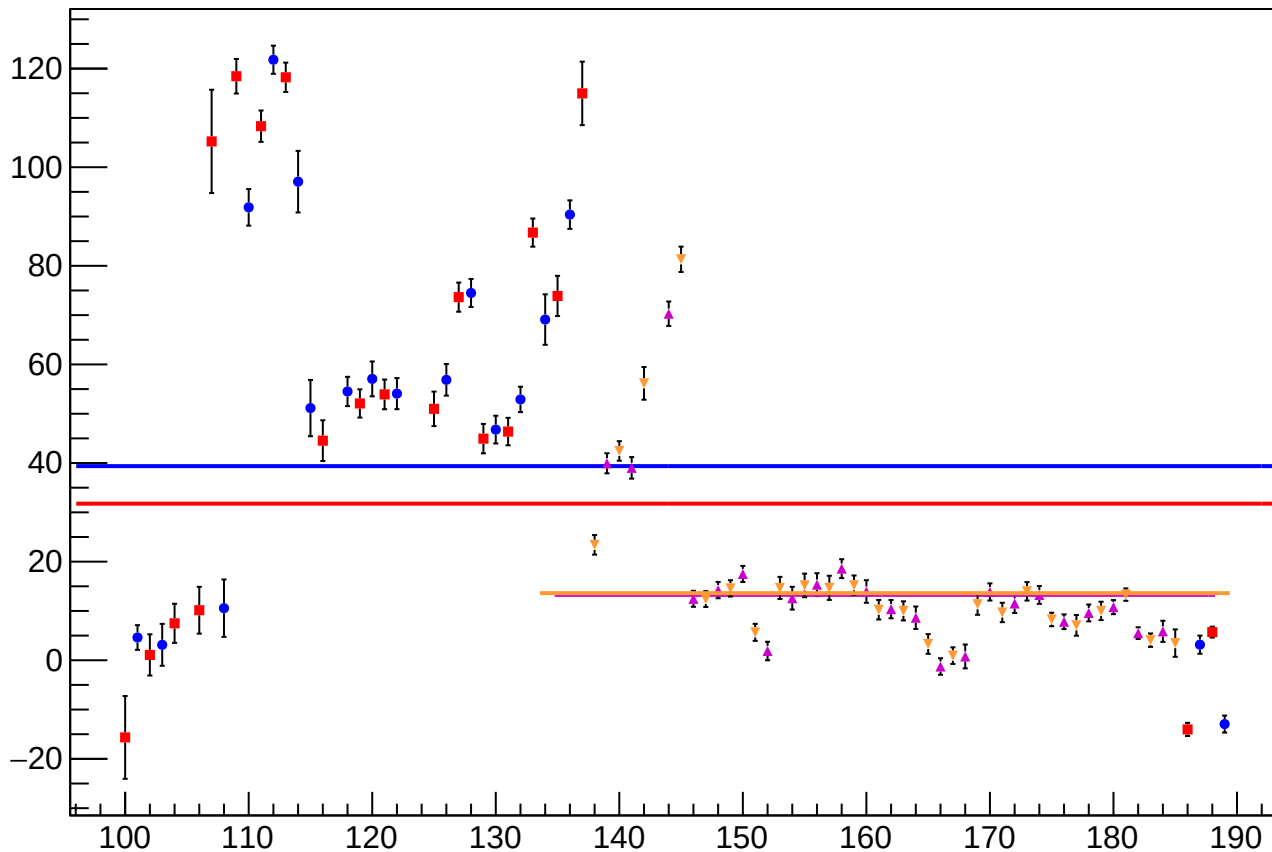
Right: 7.673 ± 0.302 $\chi^2/\text{NDF}: 819.5/37$

In: 4.582 ± 0.243 $\chi^2/\text{NDF}: 663.8/40$

Out: 4.940 ± 0.243 $\chi^2/\text{NDF}: 625.3/43$

All: 4.761 ± 0.172 $\chi^2/\text{NDF}: 1290.1/84$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 39.374 $\pm$ 0.694 χ^2 /NDF: 3355.8/17

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

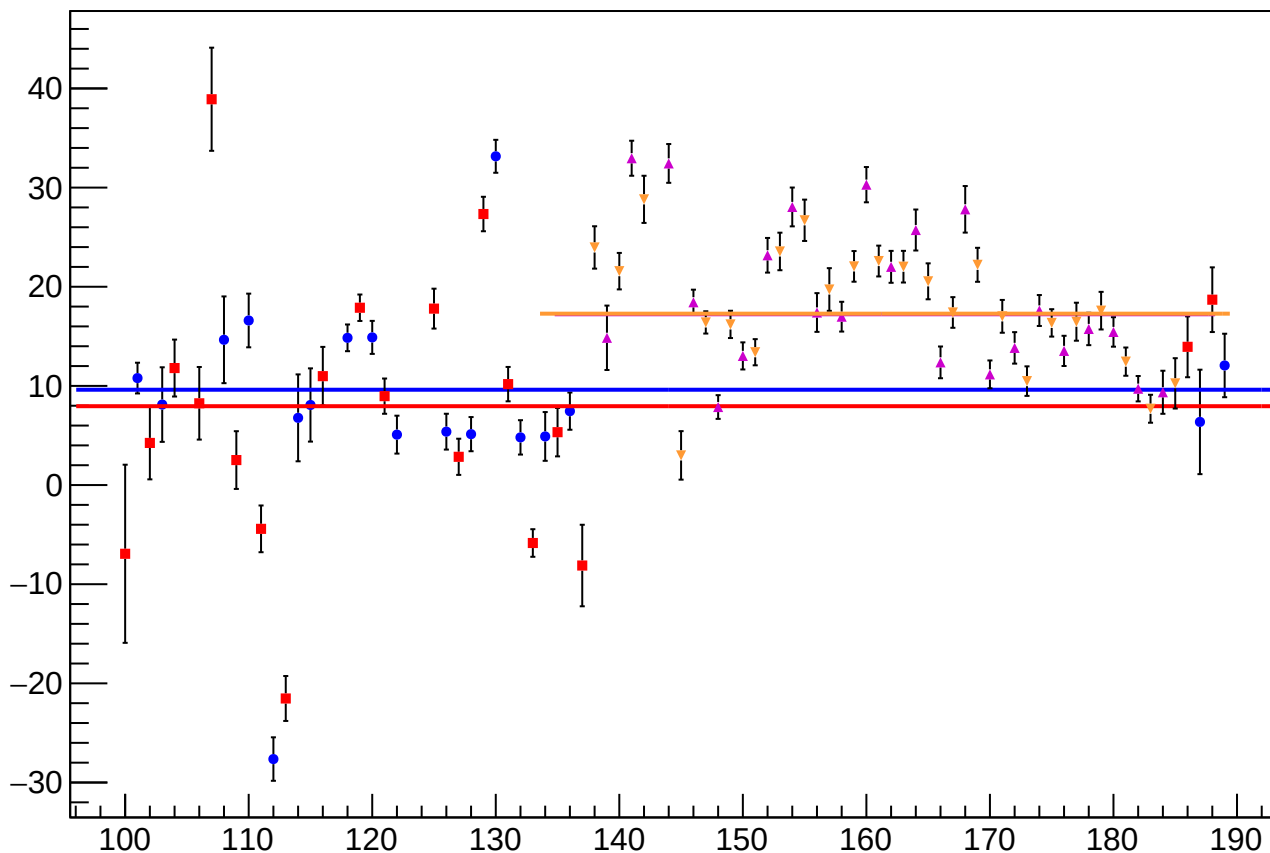
Right: 35.010 $\pm$ 0.453 χ^2 /NDF: 8414.2/37

In: 19.253 $\pm$ 0.332 χ^2 /NDF:5524.5/40

Out: 18.855 $\pm$ 0.322 χ^2 /NDF:6946.0/43

All: 19.047 $\pm$ 0.231 χ^2 /NDF: 12471.2/84

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.613 ± 0.493 $\chi^2/\text{NDF}: 555.4/17$

Left Out: 17.285 ± 0.337 $\chi^2/\text{NDF}: 244.0/23$

Right Out: 7.953 ± 0.502 $\chi^2/\text{NDF}: 585.2/19$

Left In: 17.224 ± 0.339 $\chi^2/\text{NDF}: 442.2/22$

Left: 17.255 ± 0.239 $\chi^2/\text{NDF}: 686.2/46$

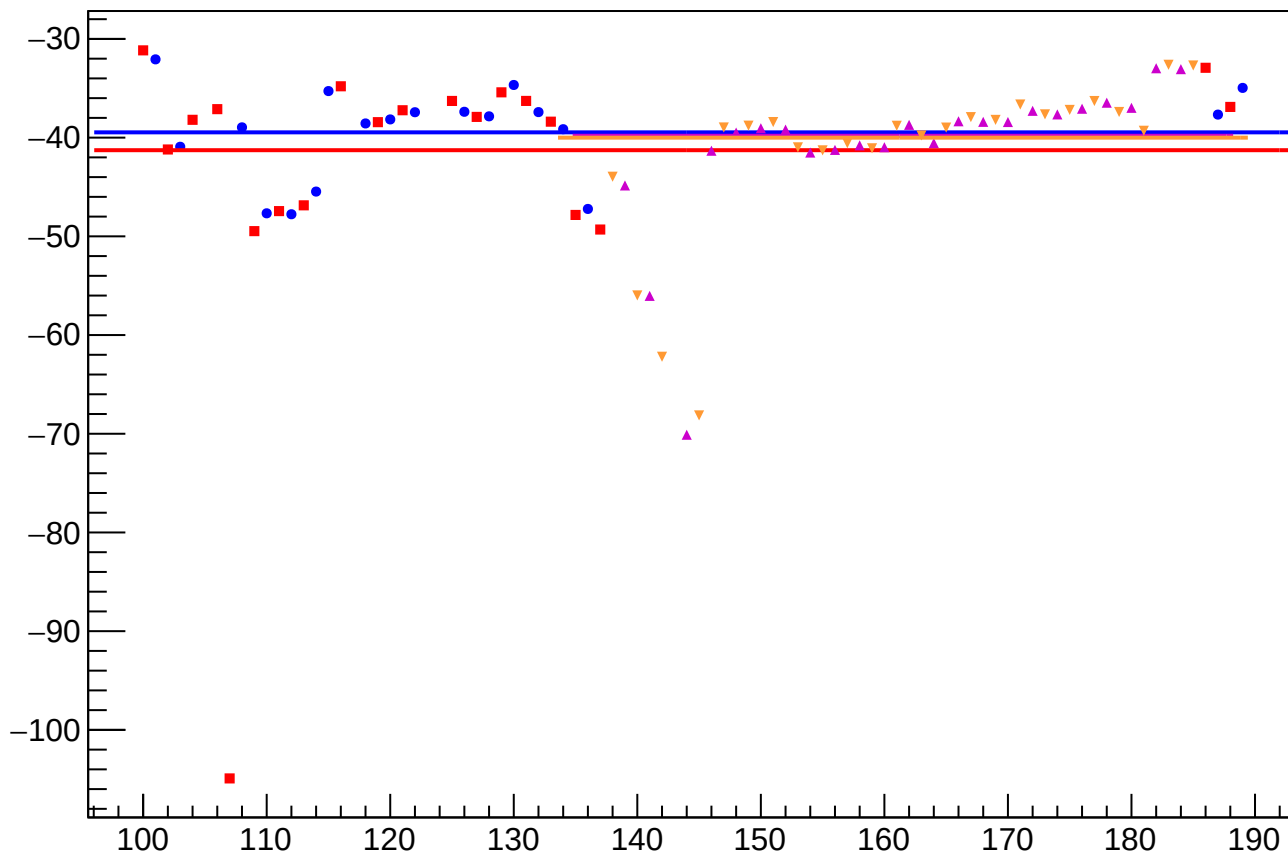
Right: 8.799 ± 0.352 $\chi^2/\text{NDF}: 1146.1/37$

In: 14.785 ± 0.279 $\chi^2/\text{NDF}: 1159.6/40$

Out: 14.390 ± 0.280 $\chi^2/\text{NDF}: 1067.0/43$

All: 14.588 ± 0.198 $\chi^2/\text{NDF}: 2227.7/84$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.465 ± 0.030 χ^2/NDF : 27659.5/17

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

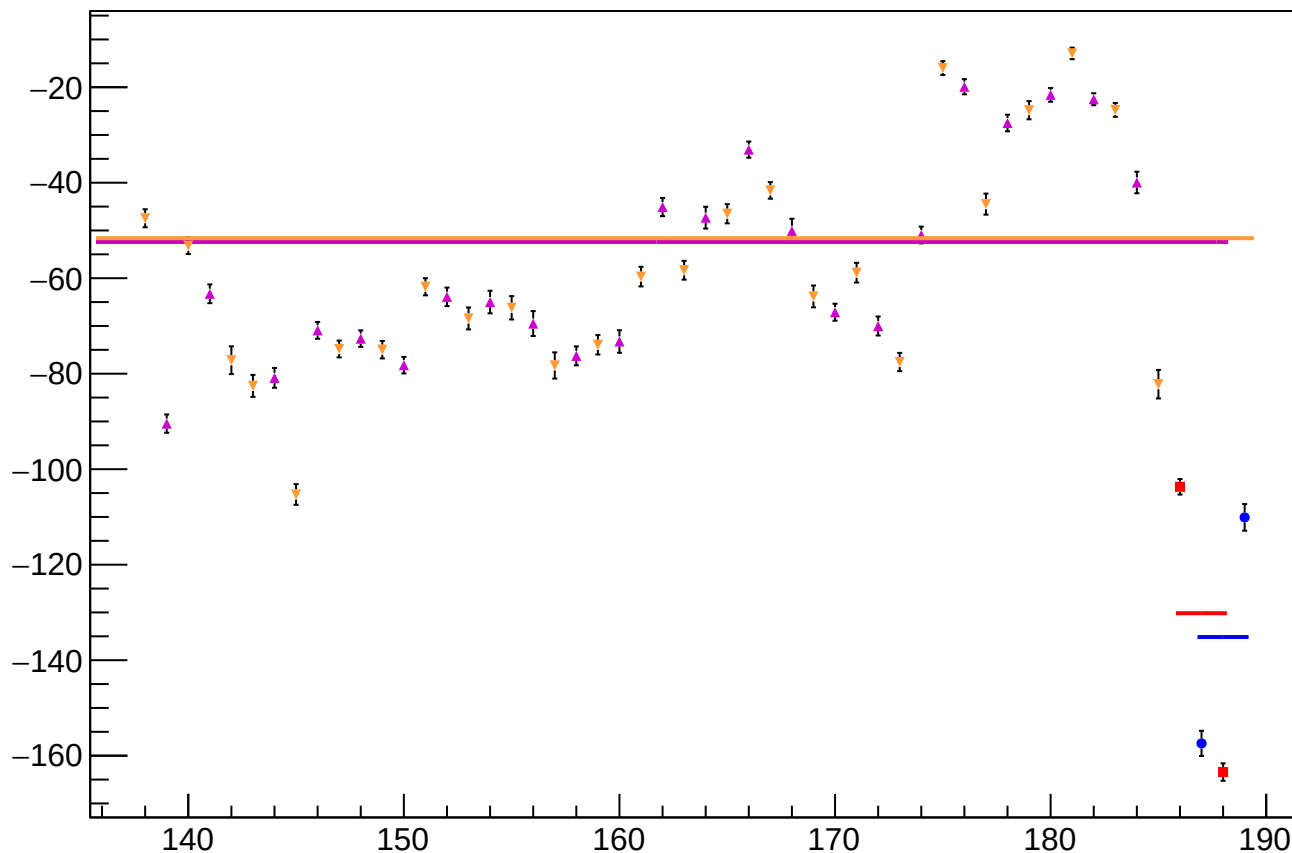
Right: -40.361 ± 0.021 χ^2/NDF : 126513.7/37

In: -39.739 ± 0.014 χ^2/NDF : 173556.3/40

Out: -40.273 ± 0.014 χ^2/NDF : 270590.3/43

All: -40.004 ± 0.010 χ^2/NDF : 444886.7/84

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -135.152+/-1.915 χ^2/NDF : 152.2/1

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

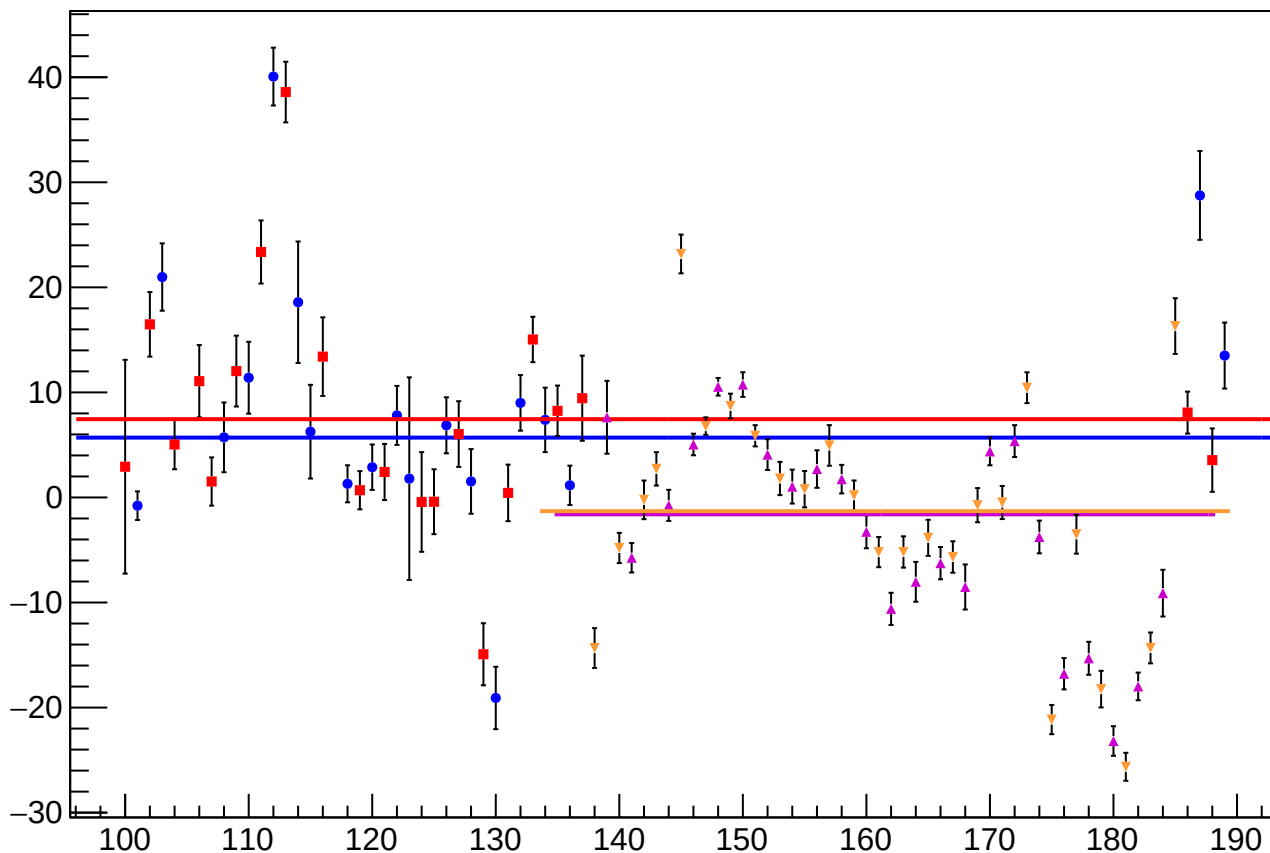
Right: -131.595+/-1.027 χ^2/NDF : 751.2/3

In: -55.659+/-0.380 χ^2/NDF : 5324.6/24

Out: -58.709+/-0.366 χ^2/NDF : 8512.4/26

All: -57.240+/-0.263 χ^2/NDF : 13870.5/51

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.696 ± 0.603 χ^2/NDF : 333.0/18

Left Out: -1.300 ± 0.293 χ^2/NDF : 1315.7/24

Right Out: 7.450 ± 0.607 χ^2/NDF : 272.0/20

Left In: -1.608 ± 0.299 χ^2/NDF : 1097.4/22

Left: -1.450 ± 0.209 χ^2/NDF : 2413.6/47

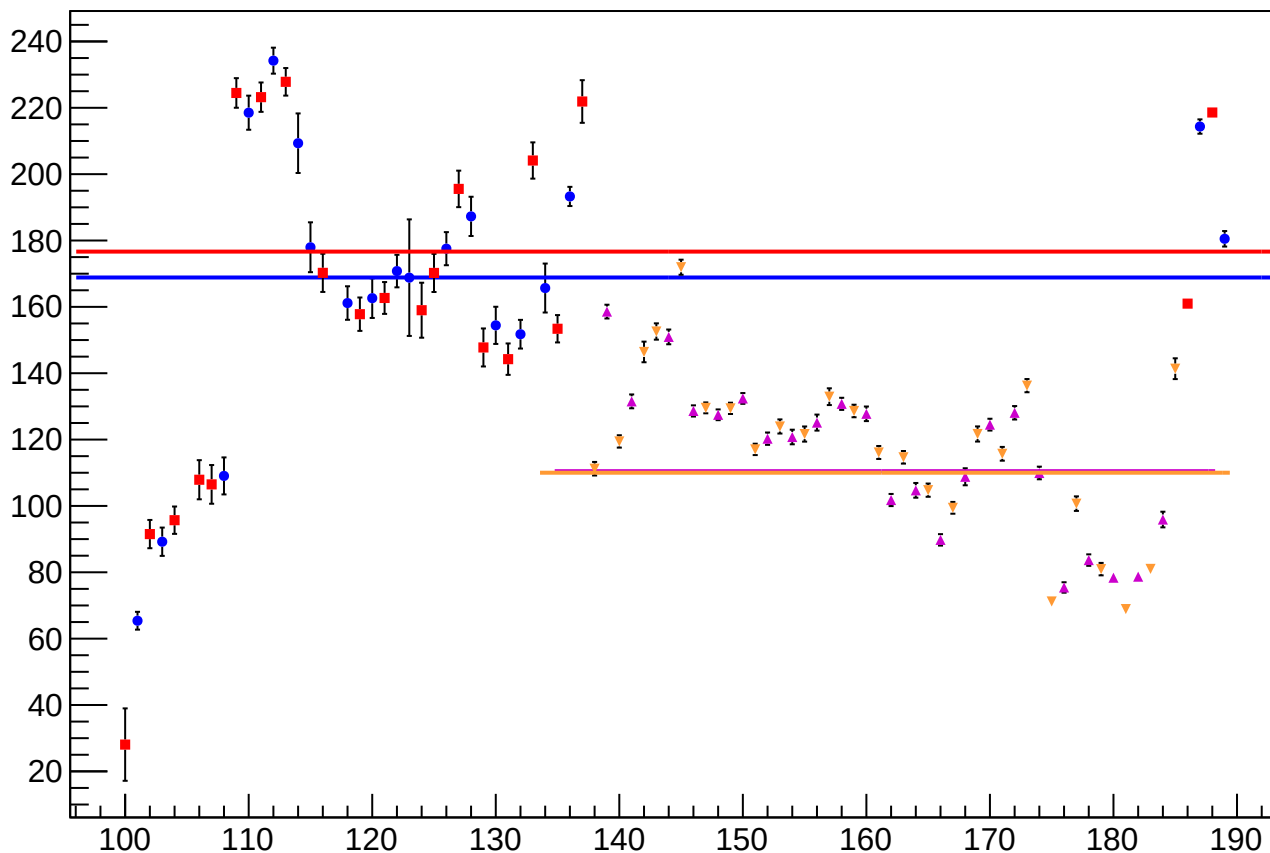
Right: 6.568 ± 0.428 χ^2/NDF : 609.1/39

In: -0.163 ± 0.268 χ^2/NDF : 1548.0/41

Out: 0.350 ± 0.263 χ^2/NDF : 1756.5/45

All: 0.098 ± 0.188 χ^2/NDF : 3306.3/87

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 168.855 ± 0.929 χ^2/NDF : 2919.5/18

Left Out: 110.012 ± 0.383 χ^2/NDF : 4537.0/24

Right Out: 176.658 ± 0.752 χ^2/NDF : 2800.5/20

Left In: 110.482 ± 0.385 χ^2/NDF : 3824.9/22

Left: 110.246 ± 0.271 χ^2/NDF : 8362.7/47

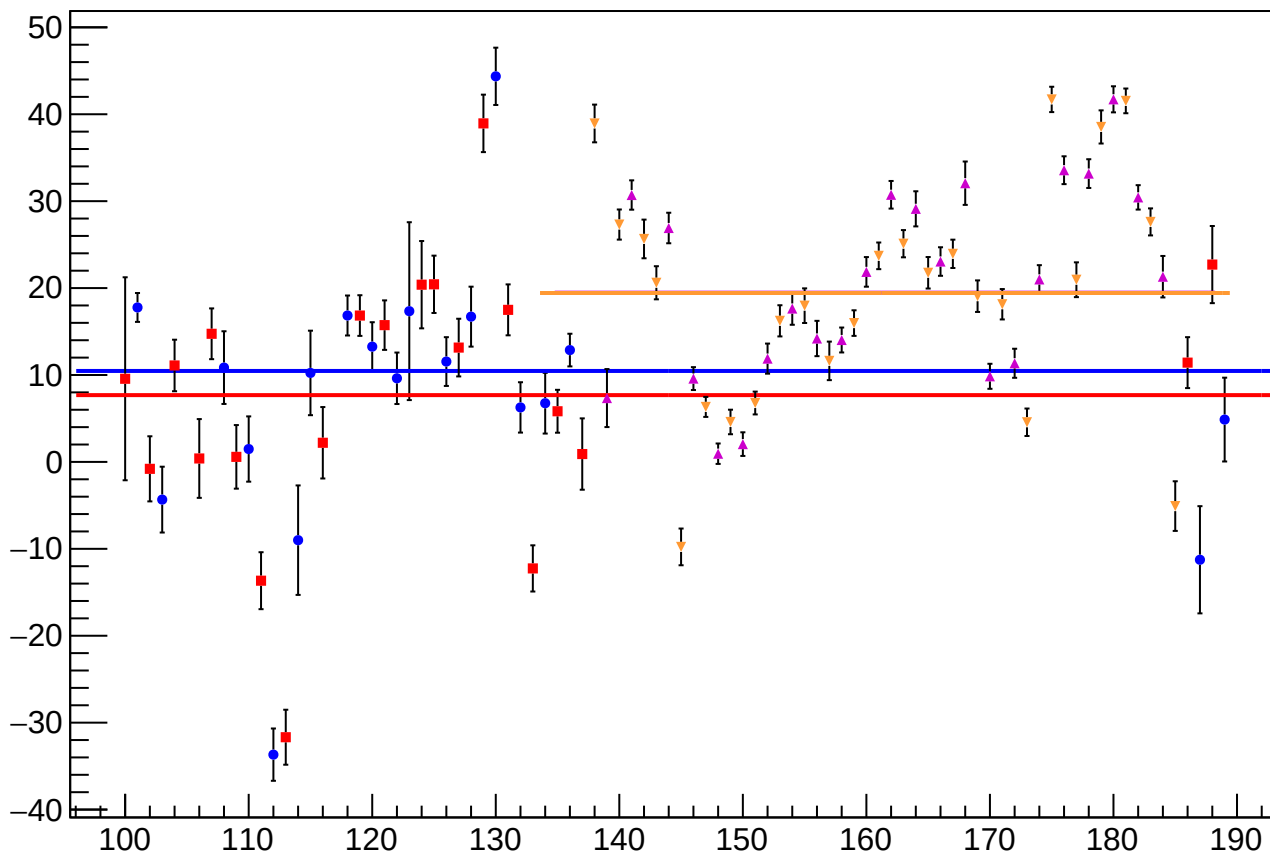
Right: 173.568 ± 0.584 χ^2/NDF : 5762.7/39

In: 119.034 ± 0.355 χ^2/NDF : 10117.7/41

Out: 123.732 ± 0.341 χ^2/NDF : 13578.4/45

All: 121.479 ± 0.246 χ^2/NDF : 23787.0/87

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.465 $\pm$ 0.701 χ^2 /NDF: 402.2/18

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

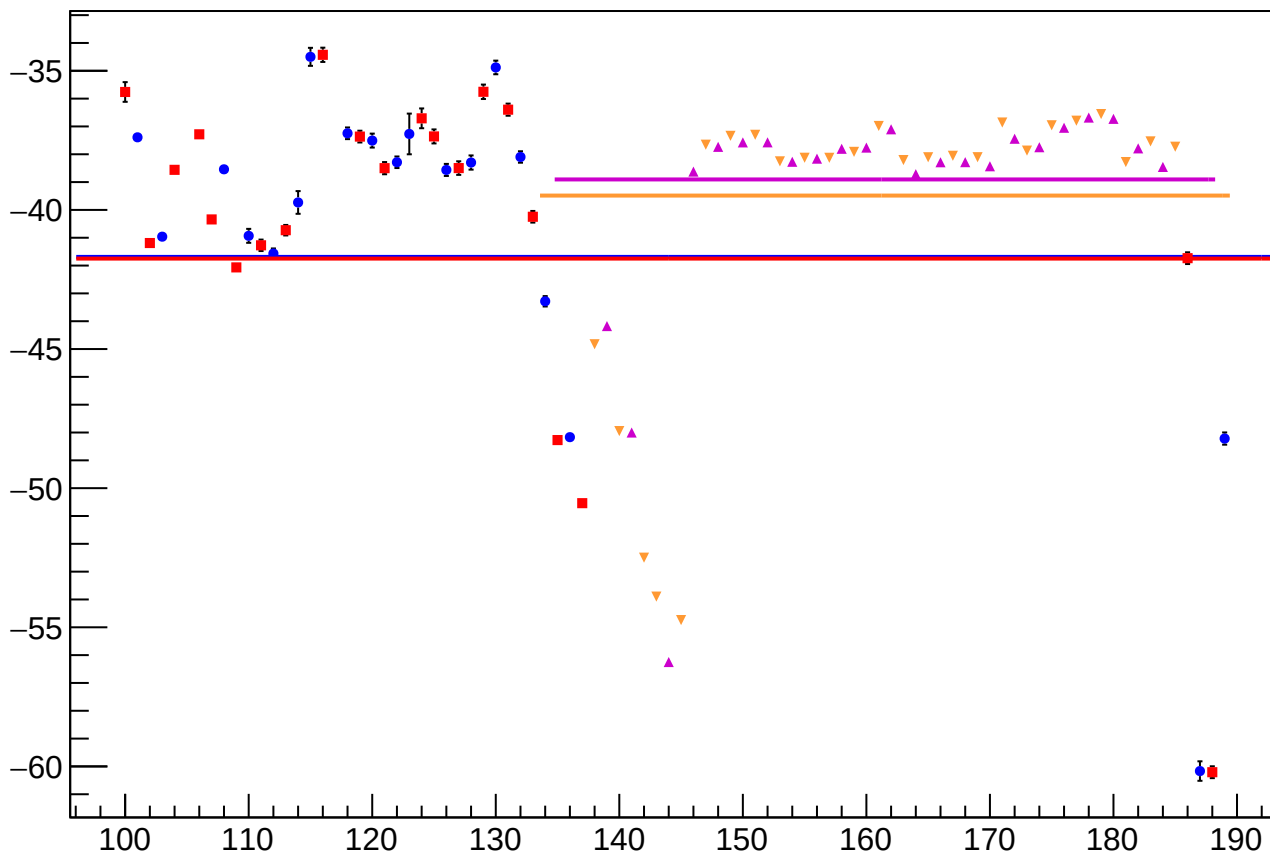
Right: 9.102 $\pm$ 0.501 χ^2 /NDF: 848.3/39

In: 17.744 $\pm$ 0.307 χ^2 /NDF:1723.7/41

Out: 17.315 $\pm$ 0.304 χ^2 /NDF:2111.9/45

All: 17.527 $\pm$ 0.216 χ^2 /NDF: 3836.6/87

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.689 $\pm$ 0.038 χ^2 /NDF: 16357.4/18

Left Out: -39.484 $\pm$ 0.016 χ^2 /NDF: 88877.3/24

Right Out: -41.749 $\pm$ 0.037 χ^2 /NDF: 19962.5/20

Left In: -38.905 $\pm$ 0.016 χ^2 /NDF: 54282.7/22

Left: -39.195 $\pm$ 0.011 χ^2 /NDF: 143834.7/47

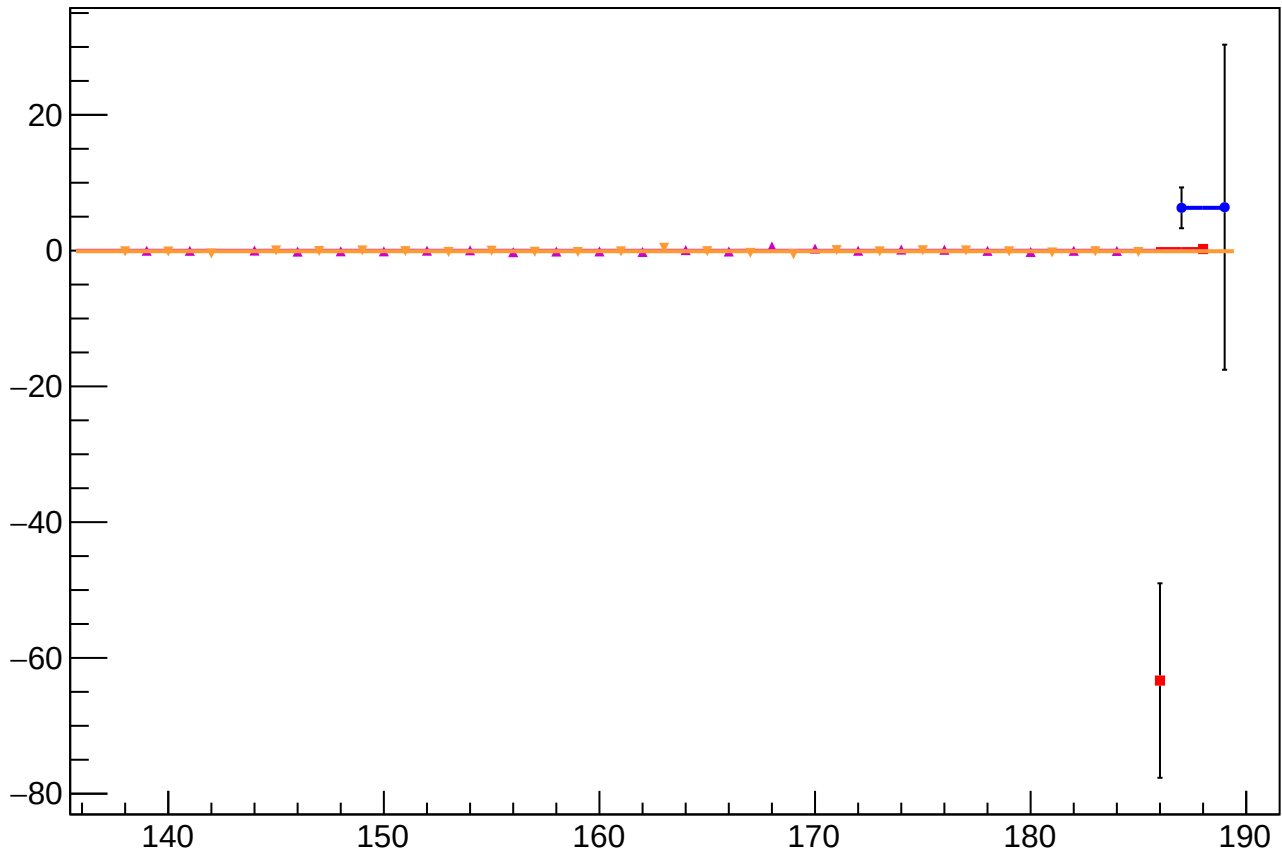
Right: -41.719 $\pm$ 0.027 χ^2 /NDF: 36321.2/39

In: -39.321 $\pm$ 0.015 χ^2 /NDF: 75279.9/41

Out: -39.826 $\pm$ 0.015 χ^2 /NDF: 111953.3/45

All: -39.574 $\pm$ 0.010 χ^2 /NDF: 187836.1/87

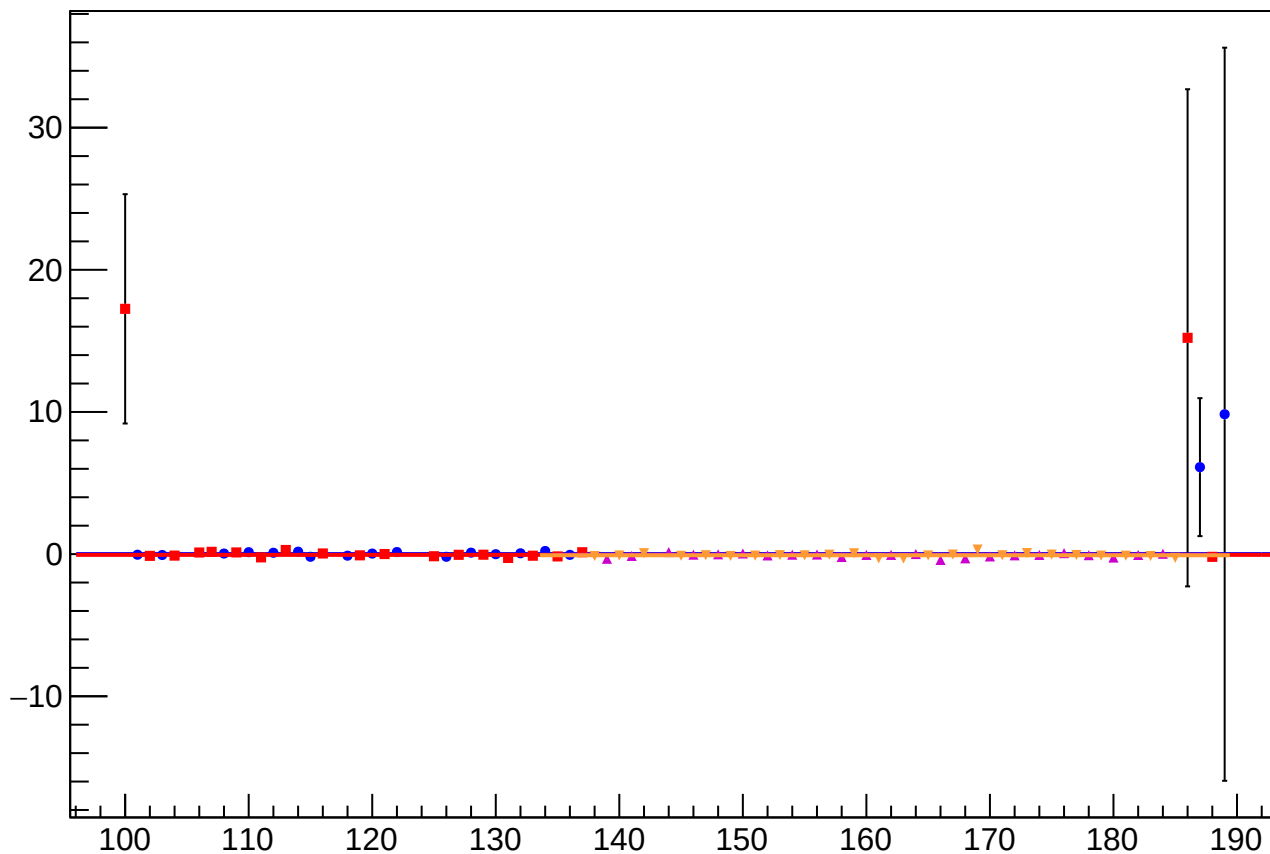
reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.306+/-2.984 χ^2/NDF : 0.0/1
 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 : 23.8/3
 In: -0.025+/-0.022 χ^2/NDF : 36.8/24
 Out: -0.083+/-0.022 χ^2/NDF : 63.7/25
 All: -0.054+/-0.016 χ^2/NDF : 103.9/50

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.002 ± 0.028 $\chi^2/\text{NDF}: 14.3/17$

Left Out: -0.081 ± 0.017 $\chi^2/\text{NDF}: 25.8/23$

Right Out: -0.053 ± 0.029 $\chi^2/\text{NDF}: 26.8/19$

Left In: -0.055 ± 0.018 $\chi^2/\text{NDF}: 32.2/22$

Left: -0.068 ± 0.012 $\chi^2/\text{NDF}: 59.1/46$

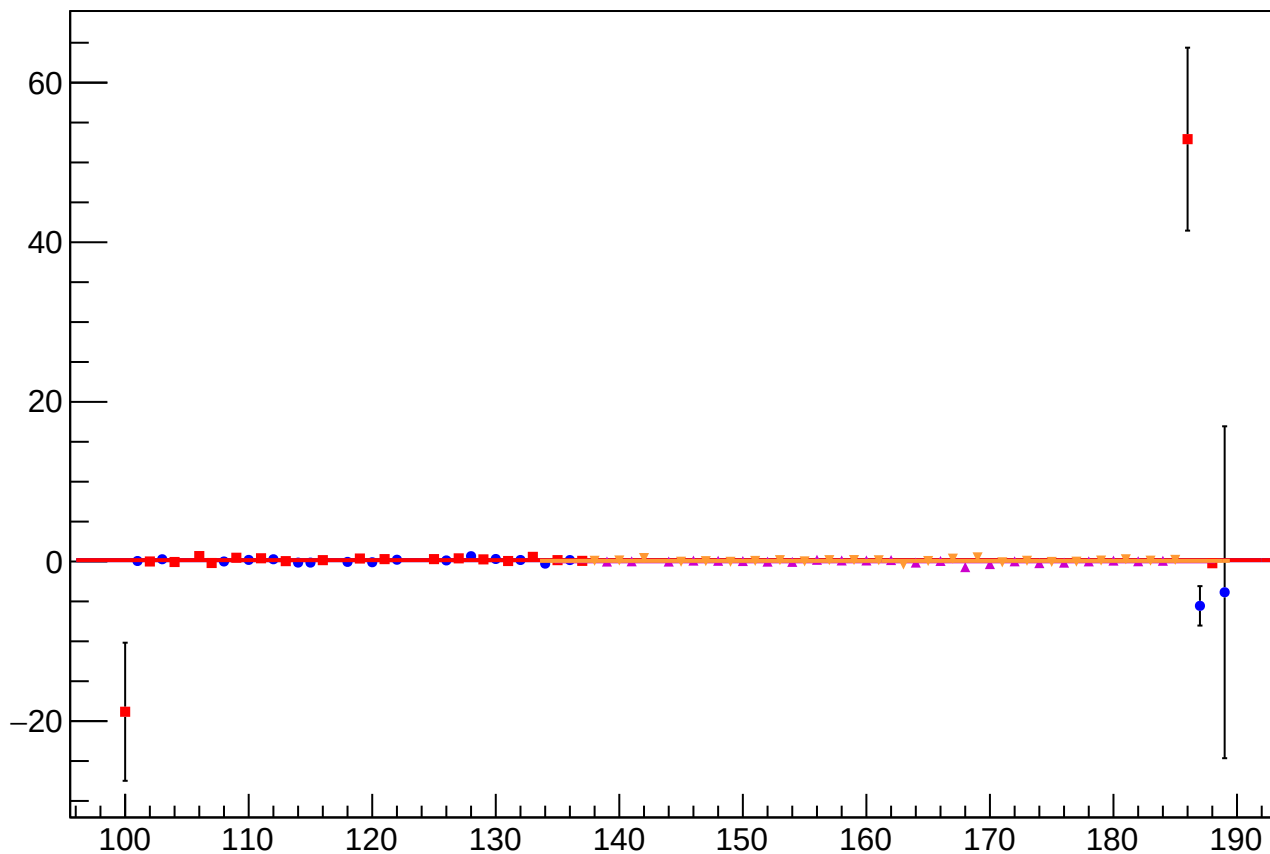
Right: -0.025 ± 0.020 $\chi^2/\text{NDF}: 42.9/37$

In: -0.039 ± 0.015 $\chi^2/\text{NDF}: 49.4/40$

Out: -0.073 ± 0.015 $\chi^2/\text{NDF}: 53.3/43$

All: -0.056 ± 0.011 $\chi^2/\text{NDF}: 105.4/84$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.168 $\pm$ 0.052 χ^2 /NDF: 19.1/17

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

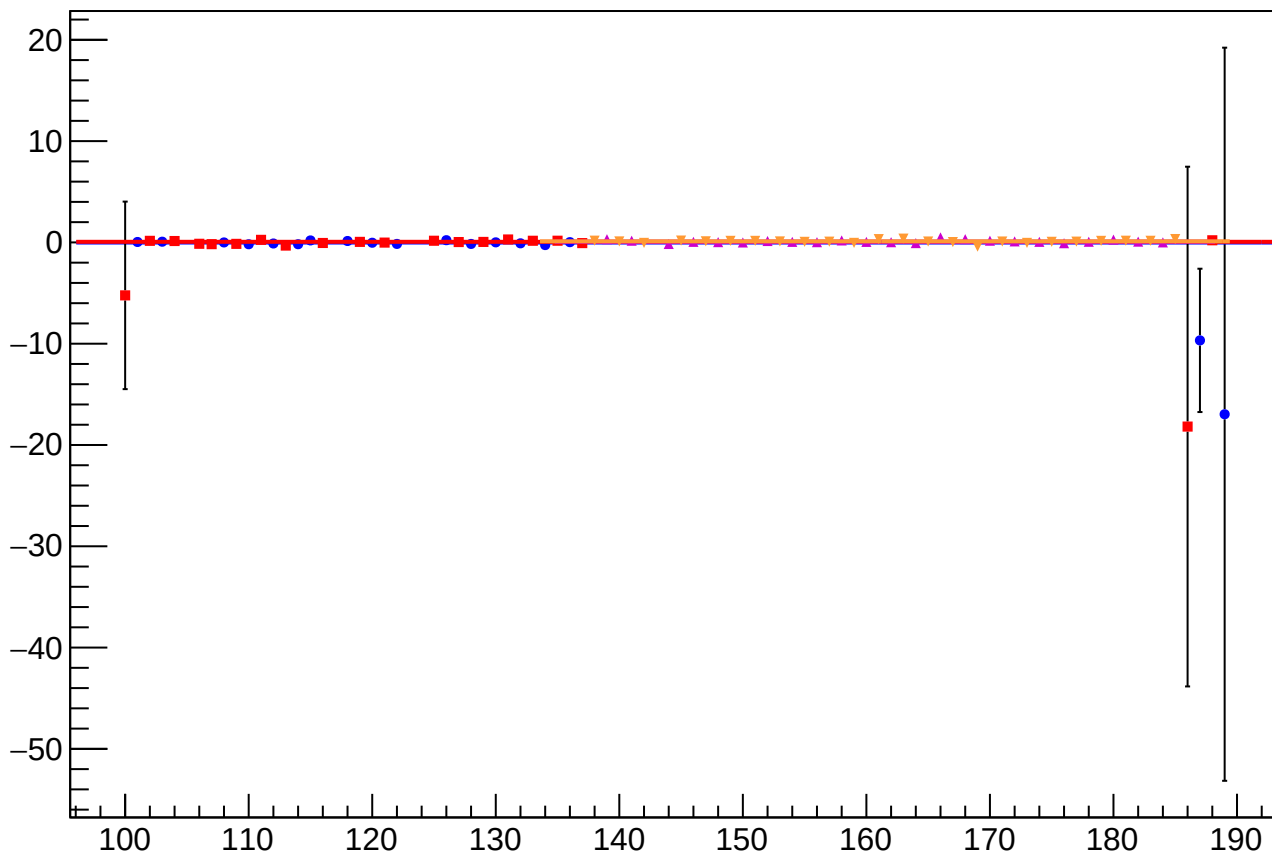
Right: 0.170 $\pm$ 0.036 χ^2 /NDF: 72.8/37

In: 0.043 $\pm$ 0.020 χ^2 /NDF:60.4/40

Out: 0.096 $\pm$ 0.020 χ^2 /NDF:95.2/43

All: 0.070 $\pm$ 0.014 χ^2 /NDF: 159.1/84

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.011 ± 0.033 χ^2/NDF : 15.8/17

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

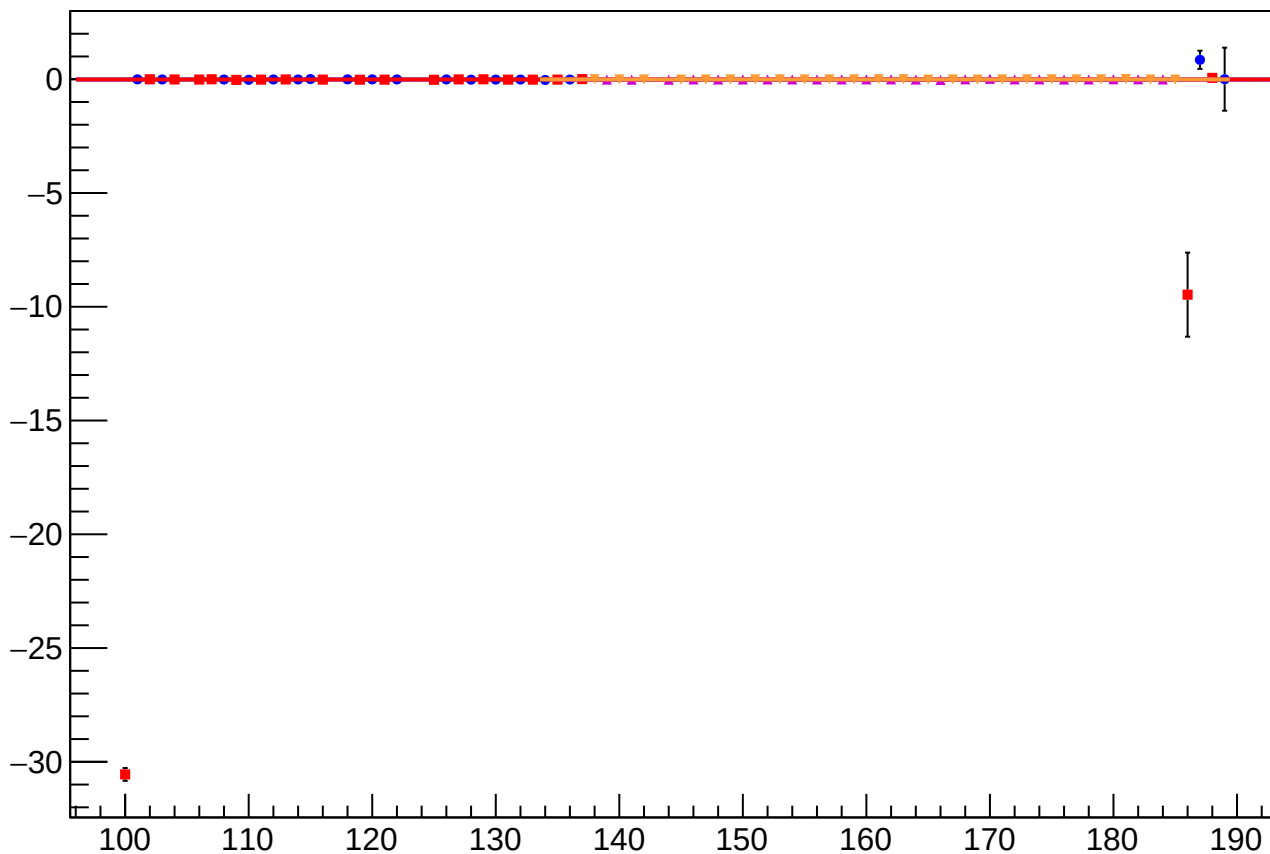
Right: 0.023 ± 0.023 χ^2/NDF : 39.4/37

In: 0.050 ± 0.017 χ^2/NDF : 52.3/40

Out: 0.094 ± 0.017 χ^2/NDF : 52.1/43

All: 0.072 ± 0.012 χ^2/NDF : 107.7/84

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 17.6/17

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

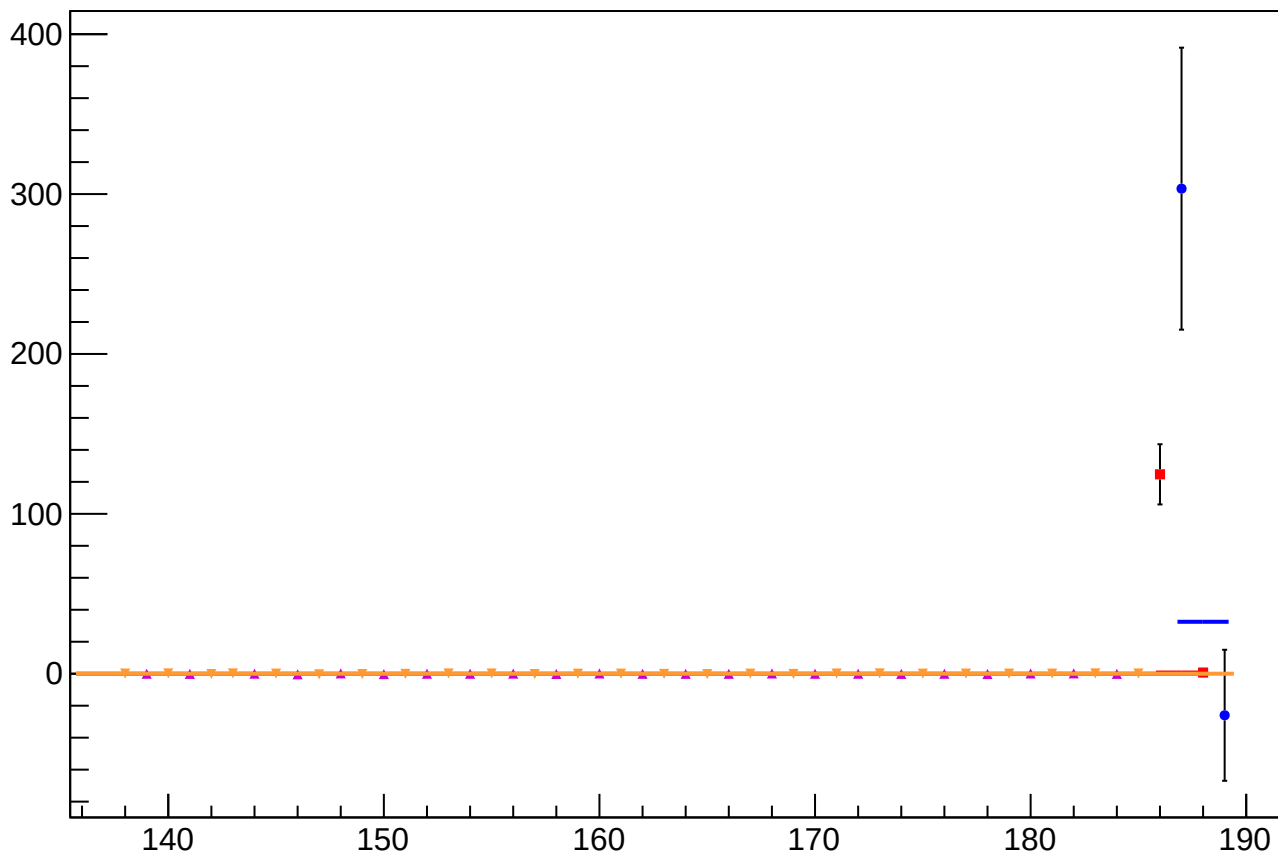
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11950.1/37

In: -0.009 $\pm$ 0.001 χ^2 /NDF:61.9/40

Out: -0.009 $\pm$ 0.001 χ^2 /NDF:11966.1/43

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 12028.4/84

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 32.486+/-37.161 χ^2/NDF : 11.5/1

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

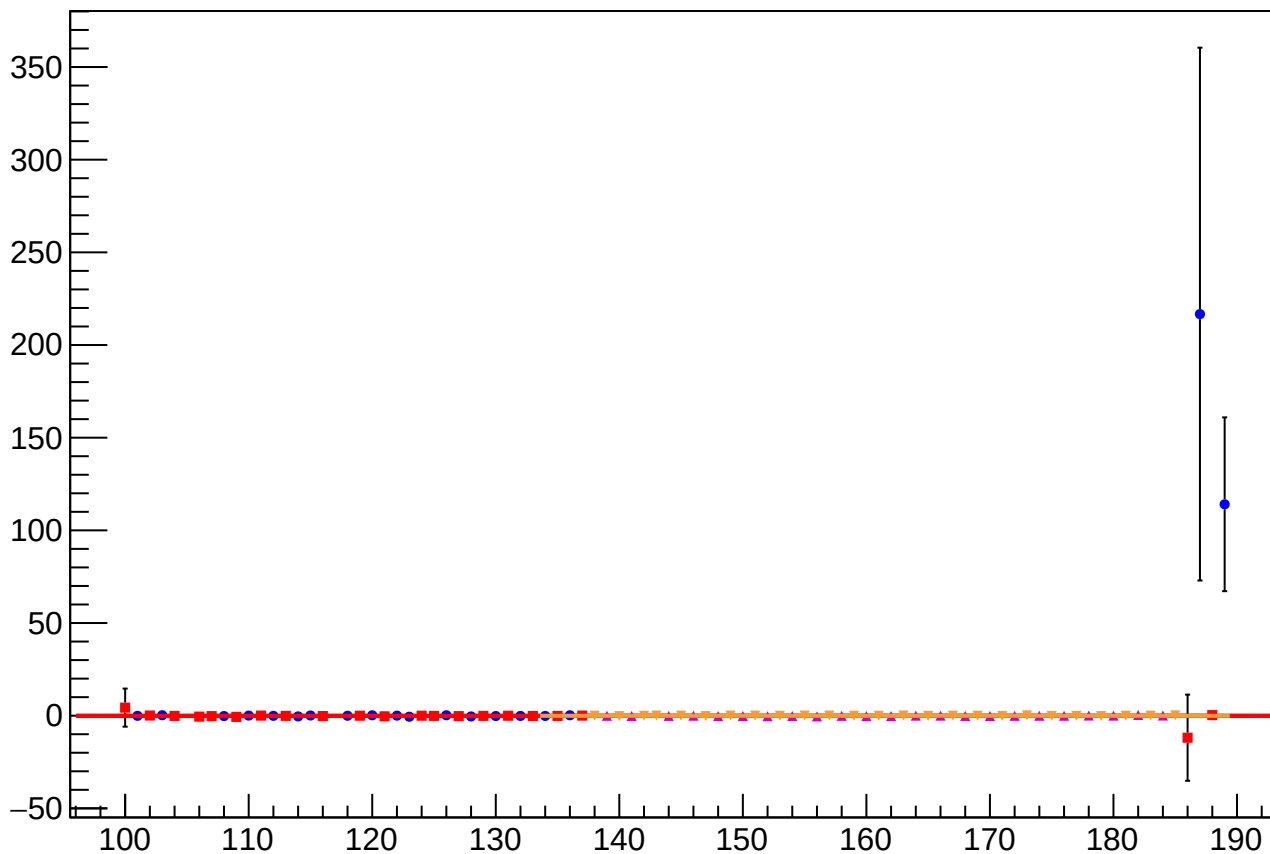
Right: 0.741+/-0.201 χ^2/NDF : 55.6/3

In: 0.004+/-0.028 χ^2/NDF : 40.4/24

Out: 0.027+/-0.027 χ^2/NDF : 85.4/26

All: 0.016+/-0.019 χ^2/NDF : 126.2/51

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024 ± 0.037 χ^2/NDF : 31.6/18

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

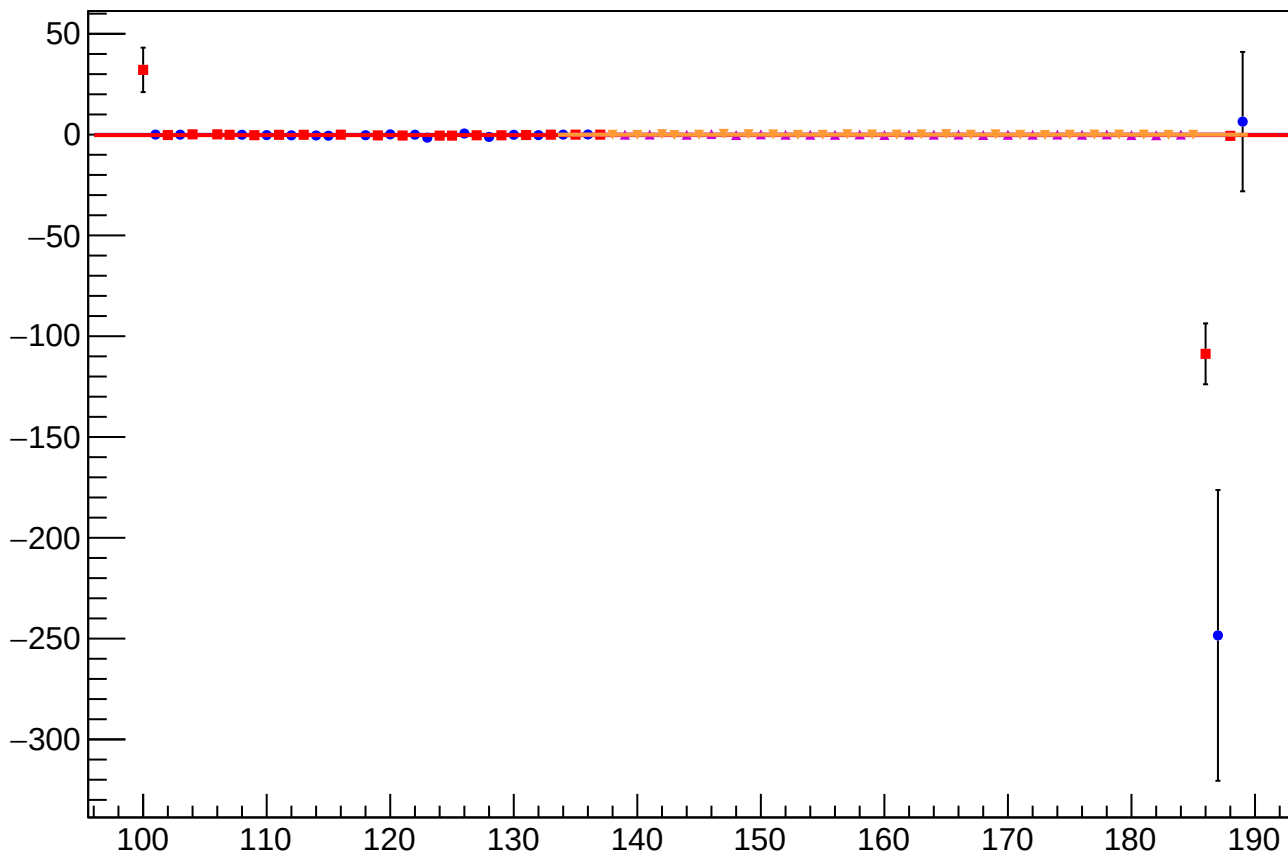
Right: -0.070 ± 0.027 χ^2/NDF : 54.4/39

In: -0.059 ± 0.019 χ^2/NDF : 81.5/41

Out: -0.072 ± 0.019 χ^2/NDF : 47.0/45

All: -0.066 ± 0.013 χ^2/NDF : 128.8/87

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.130 ± 0.067 χ^2/NDF : 35.6/18

Left Out: -0.015 ± 0.027 χ^2/NDF : 27.0/24

Right Out: -0.246 ± 0.065 χ^2/NDF : 73.0/20

Left In: -0.035 ± 0.027 χ^2/NDF : 27.7/22

Left: -0.025 ± 0.019 χ^2/NDF : 55.0/47

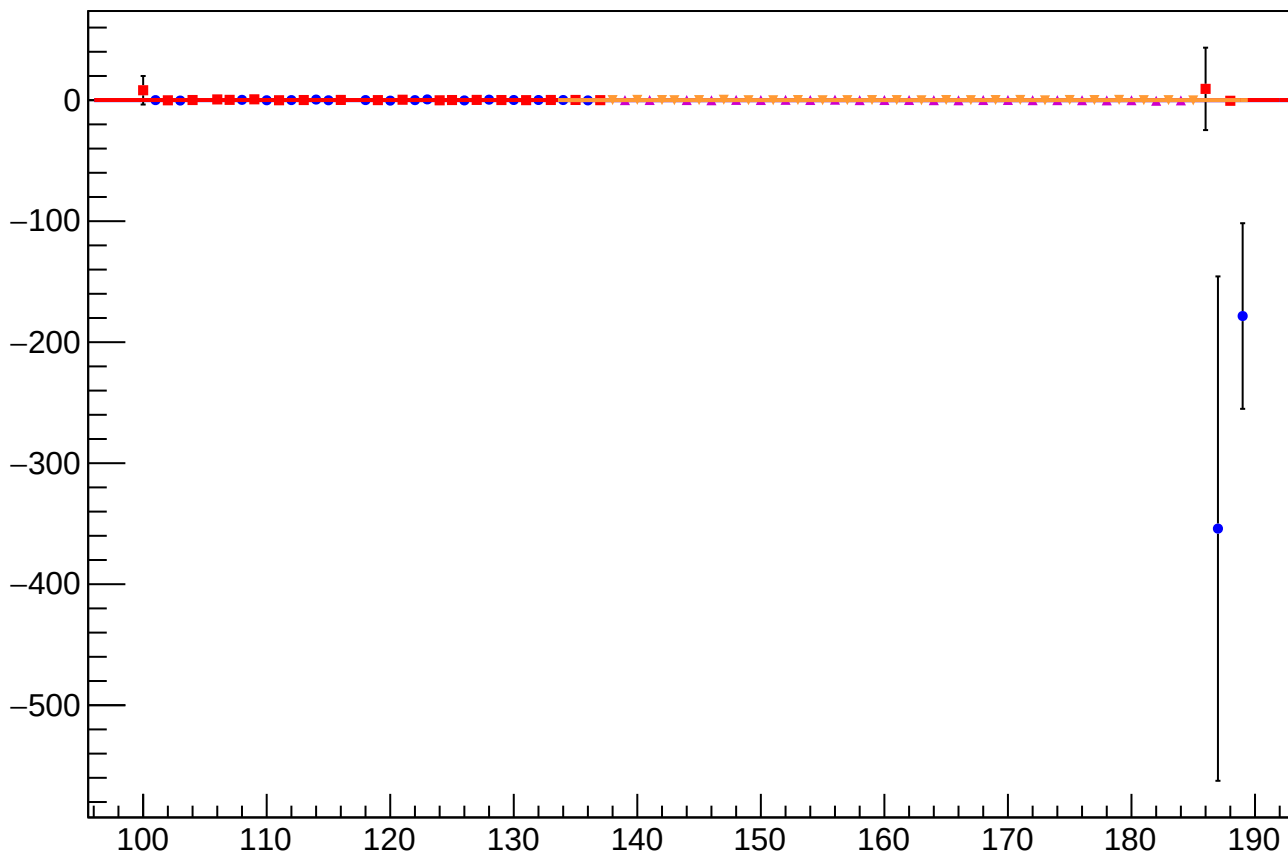
Right: -0.189 ± 0.047 χ^2/NDF : 110.2/39

In: -0.048 ± 0.025 χ^2/NDF : 65.1/41

Out: -0.049 ± 0.025 χ^2/NDF : 110.8/45

All: -0.049 ± 0.018 χ^2/NDF : 175.9/87

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021 ± 0.042 $\chi^2/\text{NDF}: 30.8/18$

Left Out: 0.062 ± 0.024 $\chi^2/\text{NDF}: 25.0/24$

Right Out: 0.146 ± 0.045 $\chi^2/\text{NDF}: 18.0/20$

Left In: 0.069 ± 0.025 $\chi^2/\text{NDF}: 51.4/22$

Left: 0.065 ± 0.017 $\chi^2/\text{NDF}: 76.5/47$

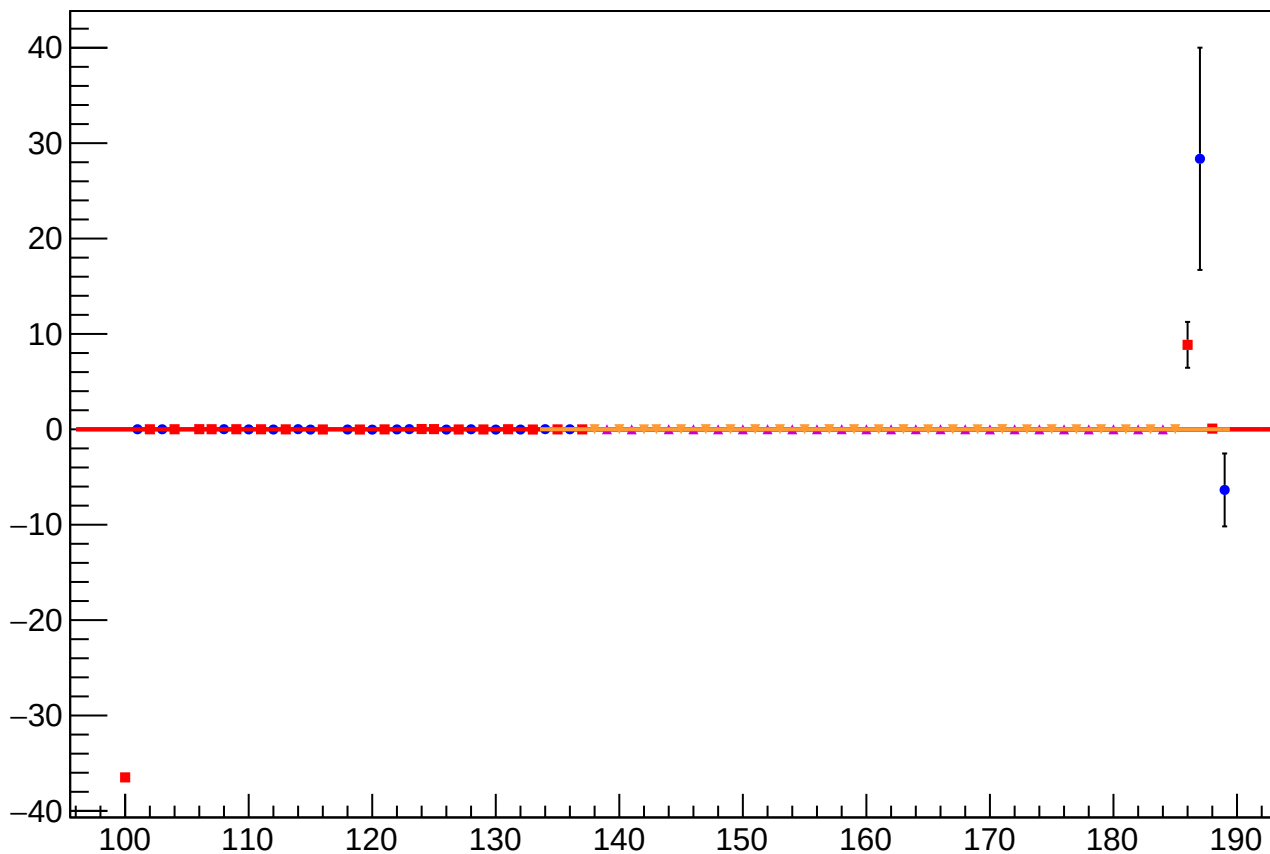
Right: 0.079 ± 0.031 $\chi^2/\text{NDF}: 53.0/39$

In: 0.057 ± 0.021 $\chi^2/\text{NDF}: 83.2/41$

Out: 0.080 ± 0.021 $\chi^2/\text{NDF}: 45.8/45$

All: 0.069 ± 0.015 $\chi^2/\text{NDF}: 129.6/87$

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 41.1/18

Left Out: 0.008 $\pm$ 0.001 χ^2 /NDF:25.9/24

Right Out: 0.002 $\pm$ 0.002 χ^2 /NDF: 10472.6/20

Left In: 0.009 $\pm$ 0.001 χ^2 /NDF:15.8/22

Left: 0.009 $\pm$ 0.001 χ^2 /NDF: 42.0/47

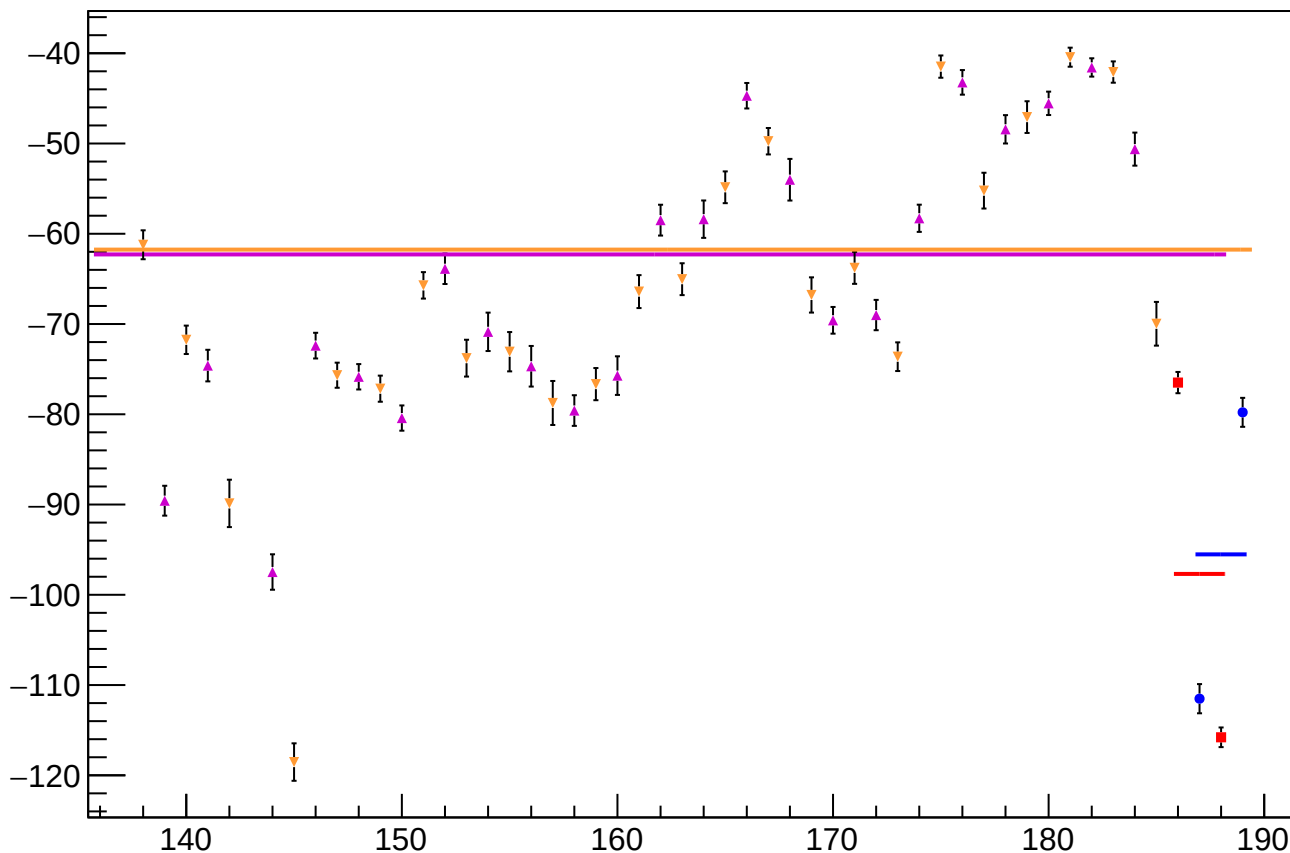
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10513.7/39

In: 0.008 $\pm$ 0.001 χ^2 /NDF:67.0/41

Out: 0.007 $\pm$ 0.001 χ^2 /NDF:10505.4/45

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10572.5/87

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -95.522 ± 1.139 χ^2/NDF : 193.9/1

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

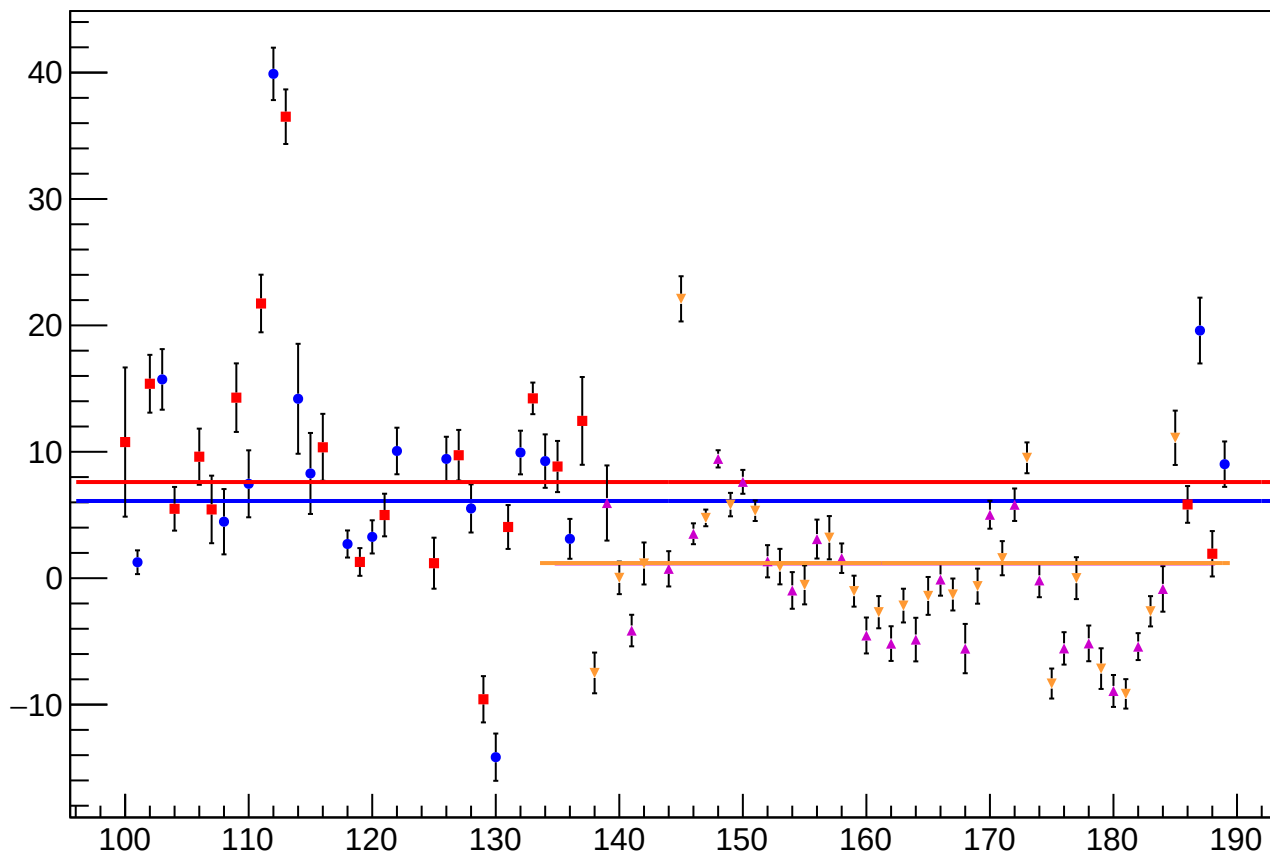
Right: -96.973 ± 0.655 χ^2/NDF : 796.2/3

In: -64.880 ± 0.318 χ^2/NDF : 3243.6/24

Out: -67.087 ± 0.308 χ^2/NDF : 4828.0/25

All: -66.018 ± 0.221 χ^2/NDF : 8096.5/50

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.108 ± 0.407 $\chi^2/\text{NDF}: 493.8/17$

Left Out: 1.197 ± 0.252 $\chi^2/\text{NDF}: 526.1/23$

Right Out: 7.607 ± 0.421 $\chi^2/\text{NDF}: 420.6/19$

Left In: 1.171 ± 0.255 $\chi^2/\text{NDF}: 466.2/22$

Left: 1.184 ± 0.179 $\chi^2/\text{NDF}: 992.3/46$

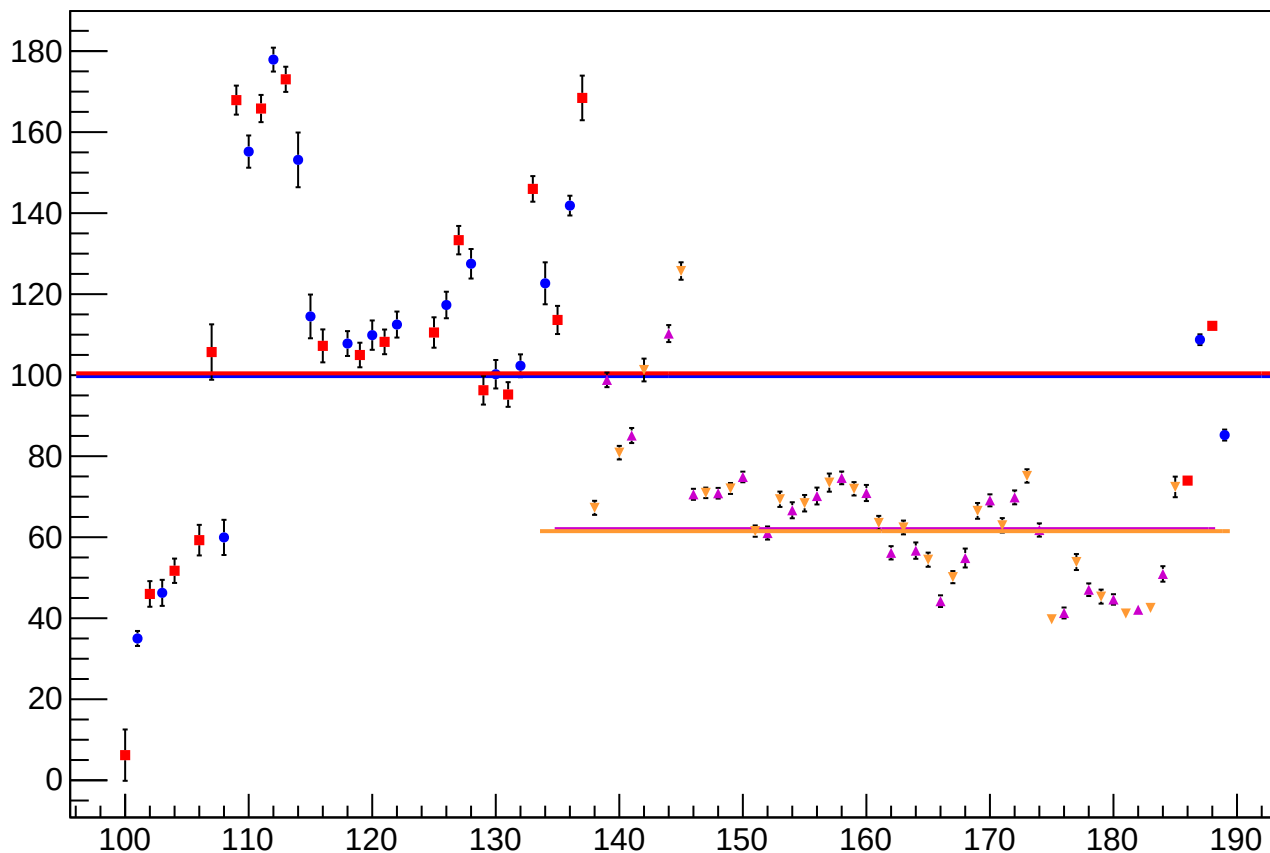
Right: 6.833 ± 0.293 $\chi^2/\text{NDF}: 920.9/37$

In: 2.560 ± 0.216 $\chi^2/\text{NDF}: 1065.7/40$

Out: 2.893 ± 0.217 $\chi^2/\text{NDF}: 1117.2/43$

All: 2.726 ± 0.153 $\chi^2/\text{NDF}: 2184.0/84$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 99.774 $\pm$ 0.615 χ^2 /NDF: 3145.5/17

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

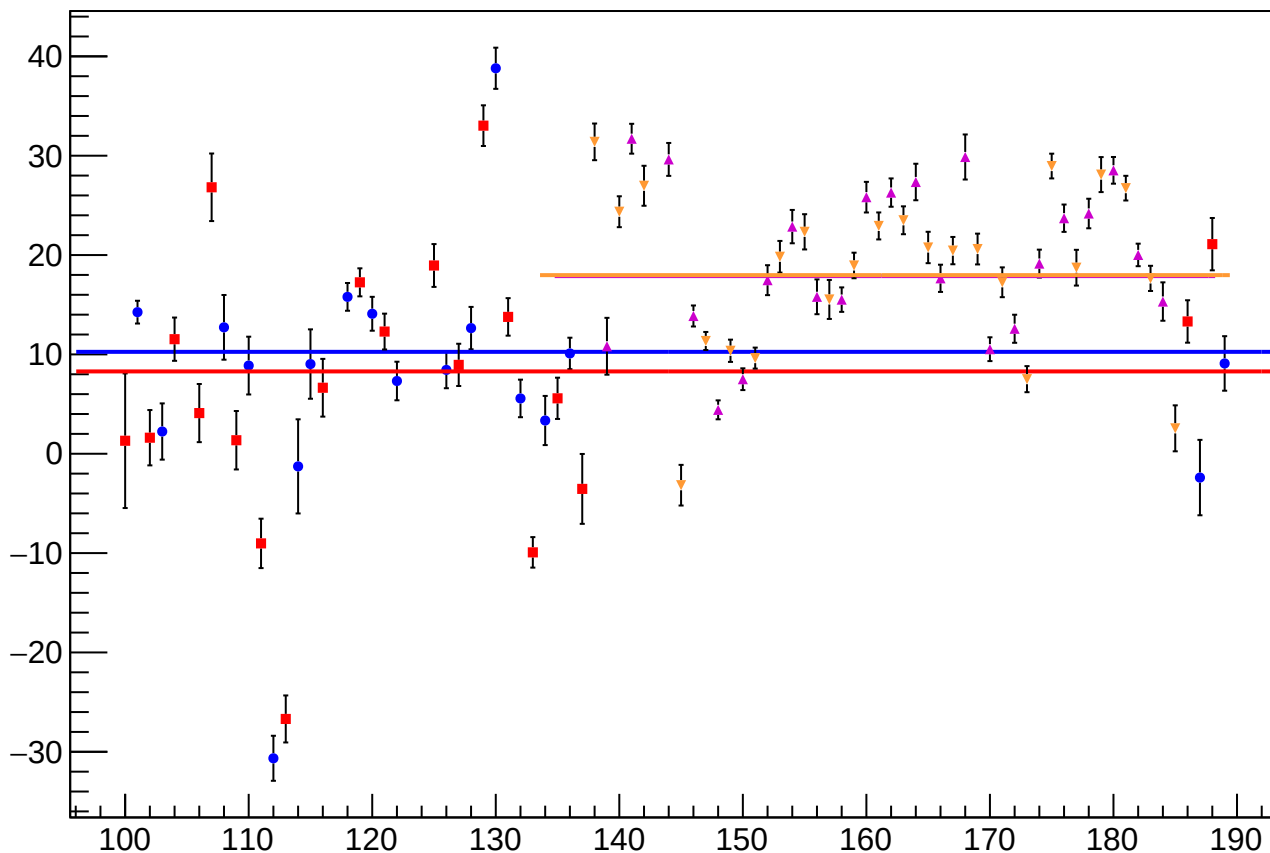
Right: 100.176 $\pm$ 0.392 χ^2 /NDF: 6781.2/37

In: 70.408 $\pm$ 0.290 χ^2 /NDF:8600.5/40

Out: 73.126 $\pm$ 0.278 χ^2 /NDF:10348.6/43

All: 71.823 $\pm$ 0.201 χ^2 /NDF: 18994.9/84

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.258+/-0.480 χ^2/NDF : 593.1/17

Left Out: 17.979+/-0.291 χ^2/NDF : 674.8/23

Right Out: 8.287+/-0.500 χ^2/NDF : 720.9/19

Left In: 17.881+/-0.292 χ^2/NDF : 730.9/22

Left: 17.930+/-0.206 χ^2/NDF : 1405.8/46

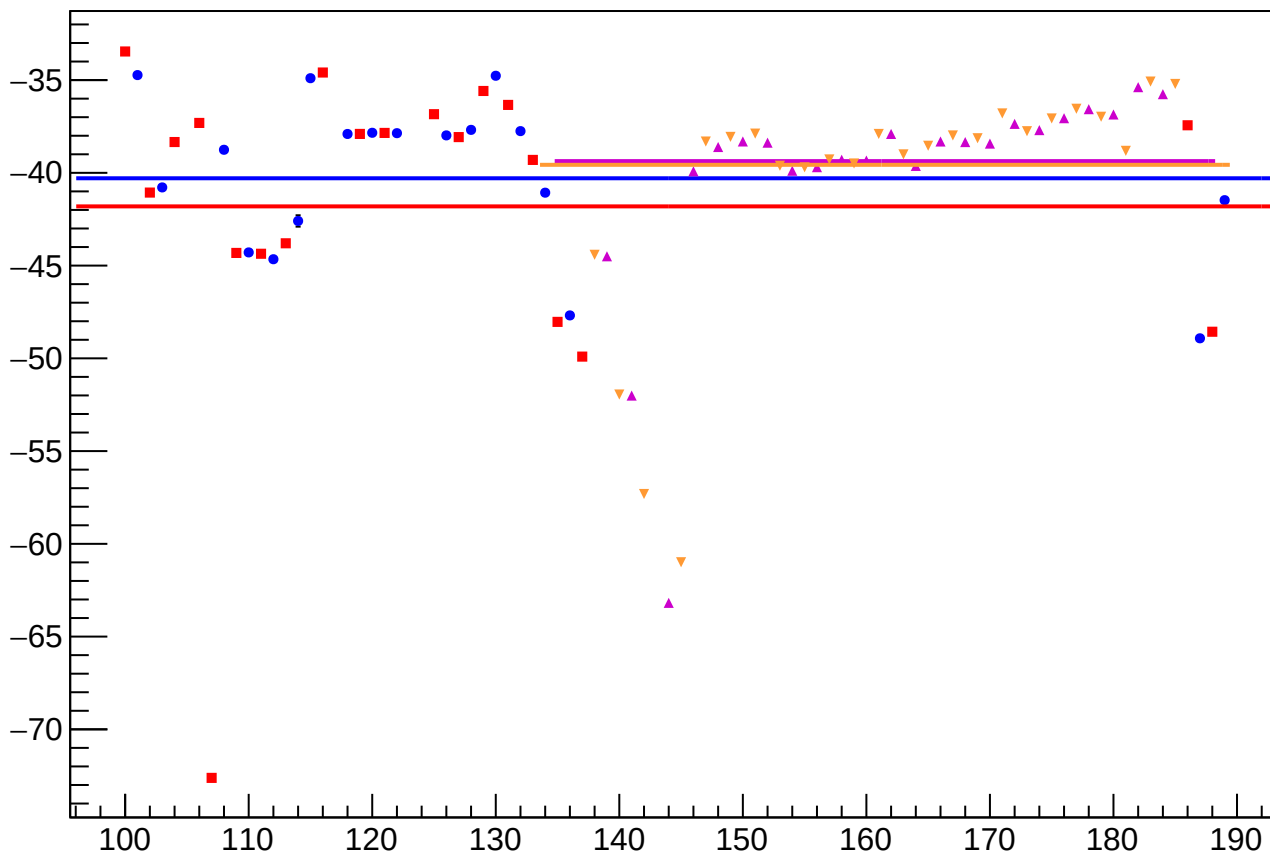
Right: 9.311+/-0.346 χ^2/NDF : 1322.1/37

In: 15.828+/-0.249 χ^2/NDF : 1508.0/40

Out: 15.527+/-0.251 χ^2/NDF : 1676.8/43

All: 15.679+/-0.177 χ^2/NDF : 3185.5/84

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.293 ± 0.027 $\chi^2/\text{NDF}: 26891.4/17$

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 $\chi^2/\text{NDF}: 259216.7/46$

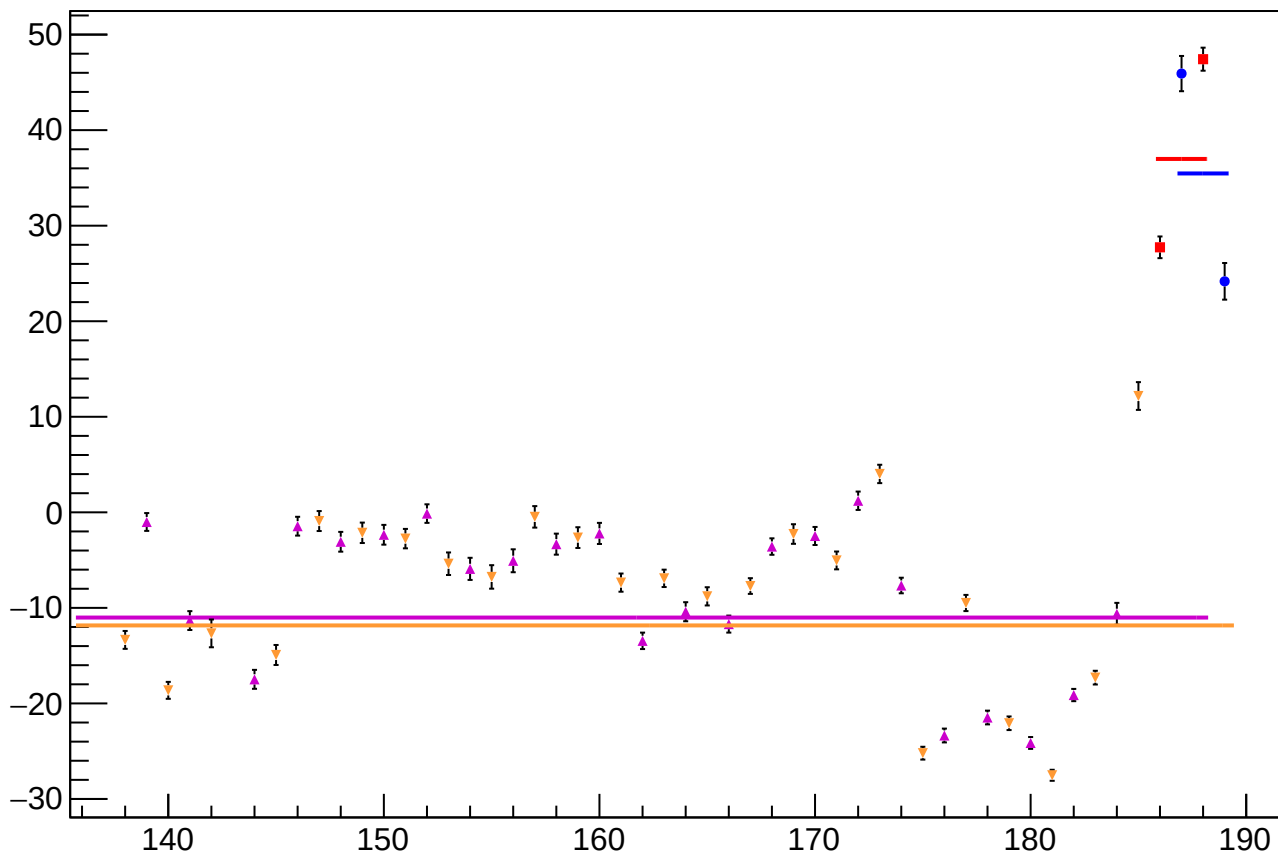
Right: -41.046 ± 0.019 $\chi^2/\text{NDF}: 94006.4/37$

In: -39.551 ± 0.012 $\chi^2/\text{NDF}: 145774.4/40$

Out: -40.017 ± 0.012 $\chi^2/\text{NDF}: 212075.1/43$

All: -39.781 ± 0.009 $\chi^2/\text{NDF}: 358577.4/84$

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



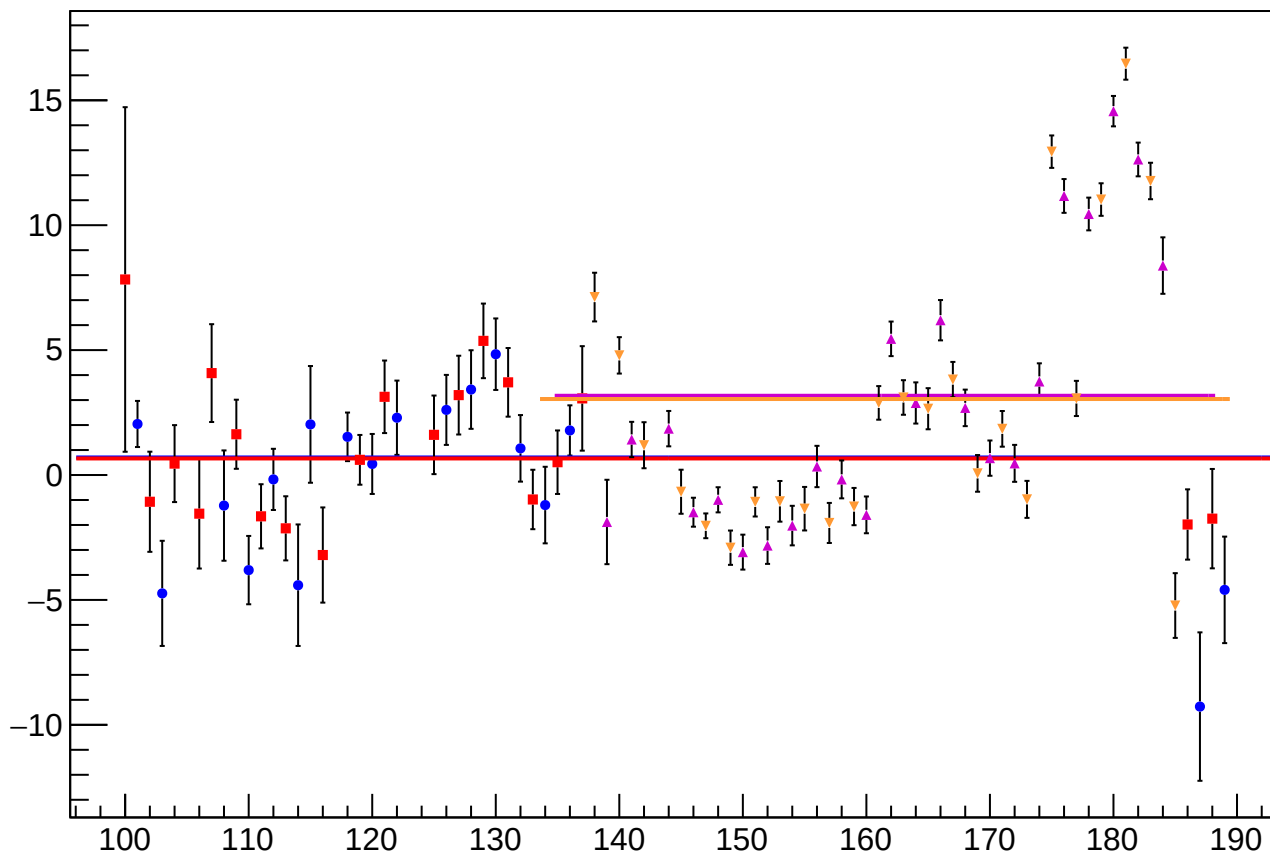
Right In: 35.466 ± 1.329 $\chi^2/\text{NDF}: 66.8/1$
 Left Out: -11.837 ± 0.187 $\chi^2/\text{NDF}: 2742.4/23$
 Right Out: 36.985 ± 0.826 $\chi^2/\text{NDF}: 141.4/1$
 Left In: -11.014 ± 0.187 $\chi^2/\text{NDF}: 2116.6/22$

Left: -11.426 ± 0.132 $\chi^2/\text{NDF}: 4868.7/46$
 Right: 36.562 ± 0.702 $\chi^2/\text{NDF}: 209.1/3$

In: -10.111 ± 0.185 $\chi^2/\text{NDF}: 3382.0/24$
 Out: -9.463 ± 0.182 $\chi^2/\text{NDF}: 6205.5/25$

All: -9.781 ± 0.130 $\chi^2/\text{NDF}: 9593.6/50$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.703 ± 0.332 χ^2/NDF : 61.0/17

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

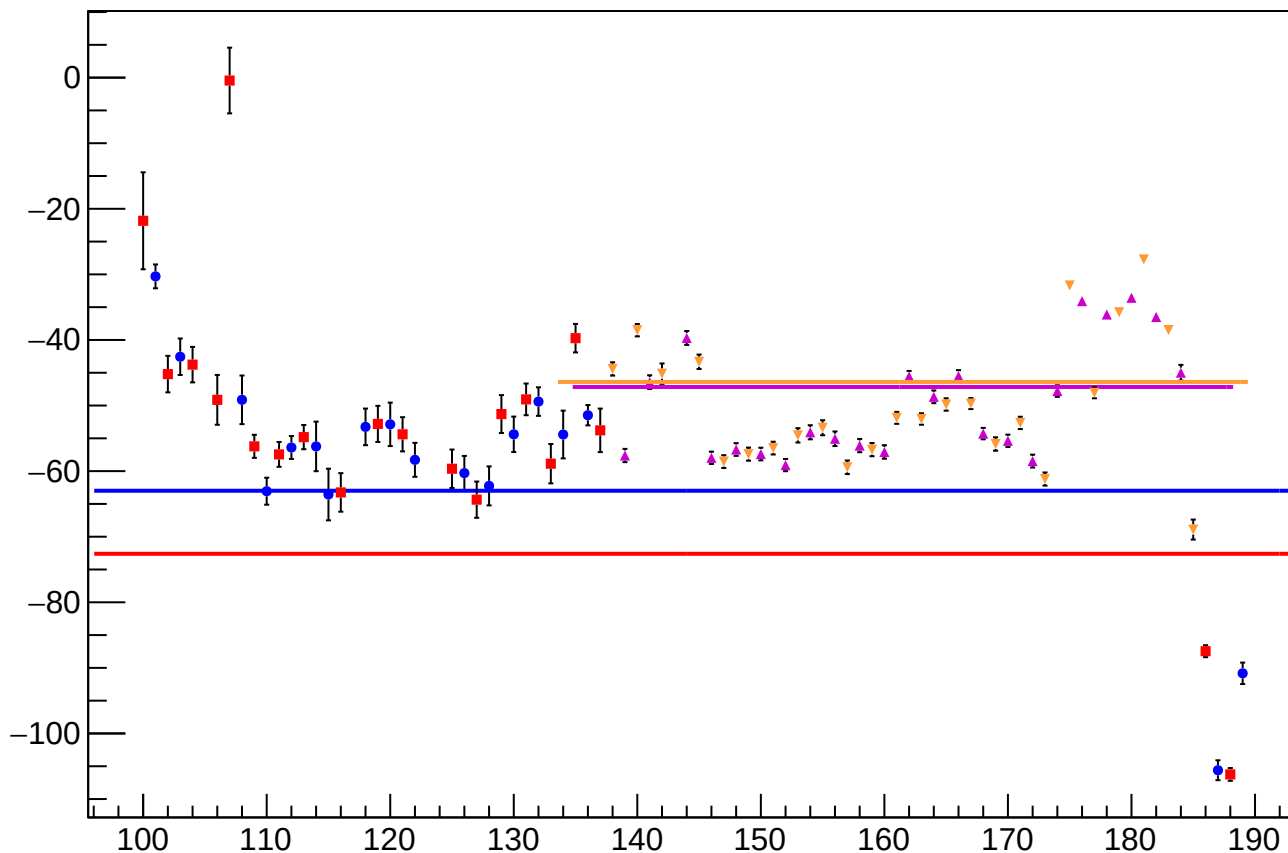
Right: 0.683 ± 0.237 χ^2/NDF : 108.4/37

In: 2.755 ± 0.136 χ^2/NDF : 1404.9/40

Out: 2.660 ± 0.135 χ^2/NDF : 1541.6/43

All: 2.707 ± 0.096 χ^2/NDF : 2946.8/84

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.993 ± 0.536 $\chi^2/\text{NDF}: 1624.6/17$

Left Out: -46.398 ± 0.187 $\chi^2/\text{NDF}: 3289.4/23$

Right Out: -72.604 ± 0.452 $\chi^2/\text{NDF}: 2779.0/19$

Left In: -47.170 ± 0.186 $\chi^2/\text{NDF}: 2526.3/22$

Left: -46.784 ± 0.132 $\chi^2/\text{NDF}: 5824.3/46$

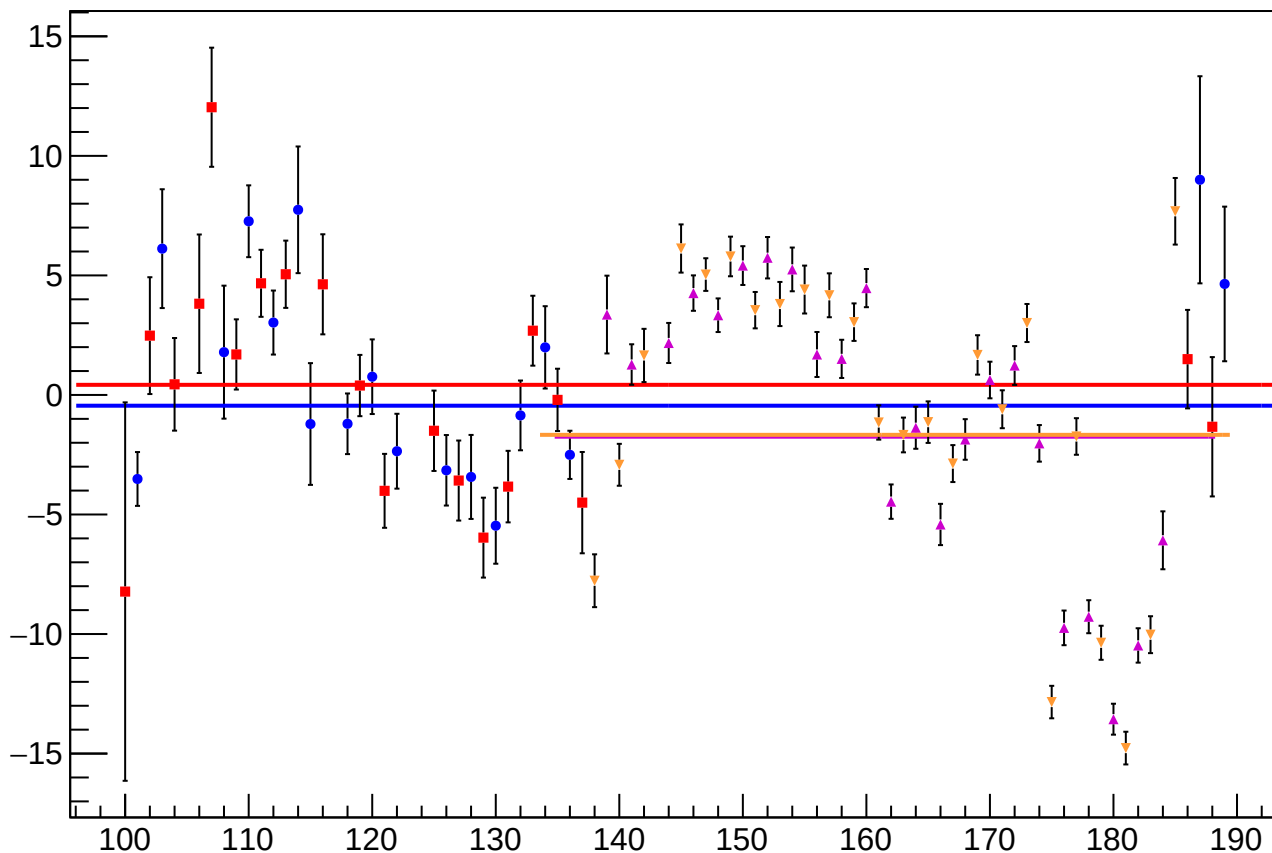
Right: -68.612 ± 0.345 $\chi^2/\text{NDF}: 4591.5/37$

In: -48.878 ± 0.176 $\chi^2/\text{NDF}: 4928.1/40$

Out: -50.214 ± 0.172 $\chi^2/\text{NDF}: 8942.4/43$

All: -49.560 ± 0.123 $\chi^2/\text{NDF}: 13899.9/84$

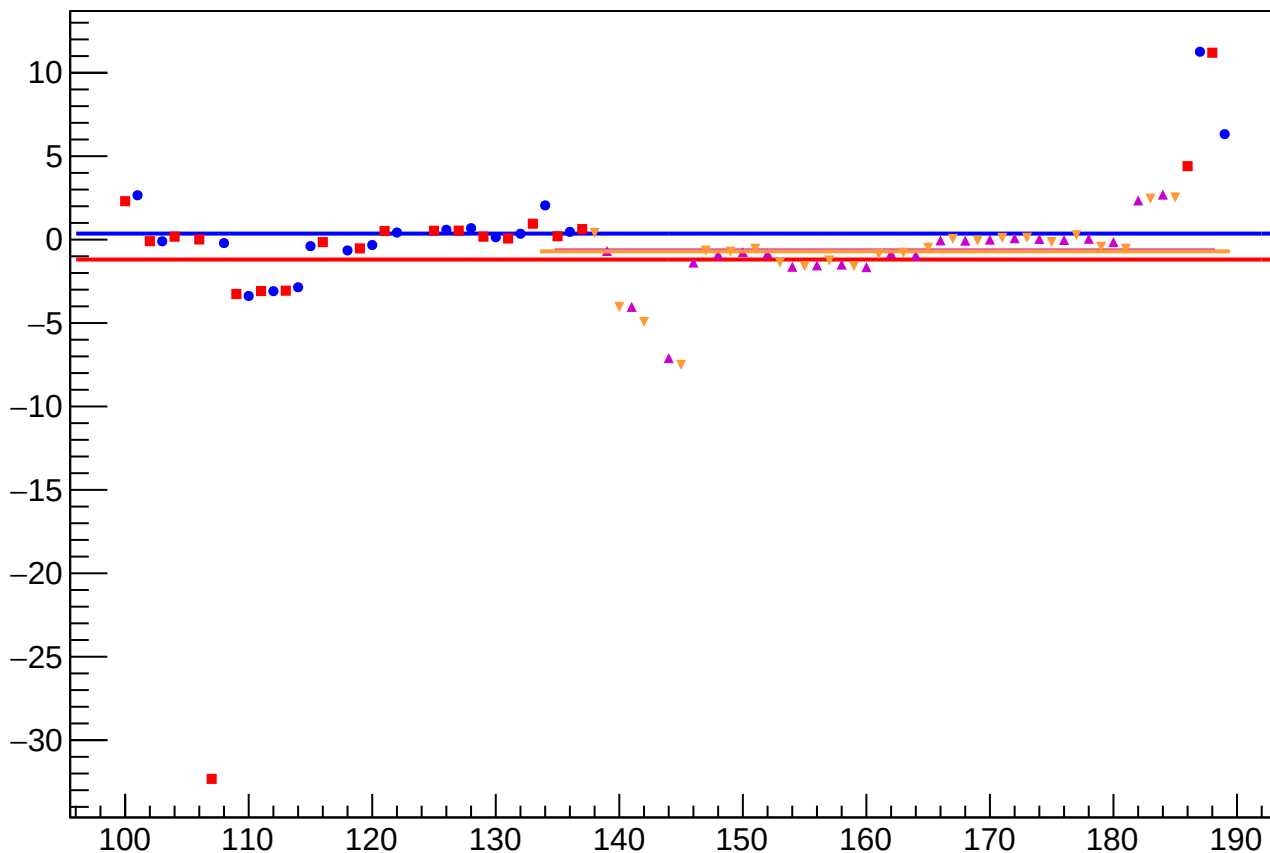
reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.450 ± 0.380 χ^2/NDF : 90.0/17
 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: -0.024 ± 0.272 χ^2/NDF : 189.0/37
 In: -1.533 ± 0.154 χ^2/NDF : 1353.8/40
 Out: -1.343 ± 0.153 χ^2/NDF : 1600.2/43
 All: -1.438 ± 0.109 χ^2/NDF : 2954.7/84

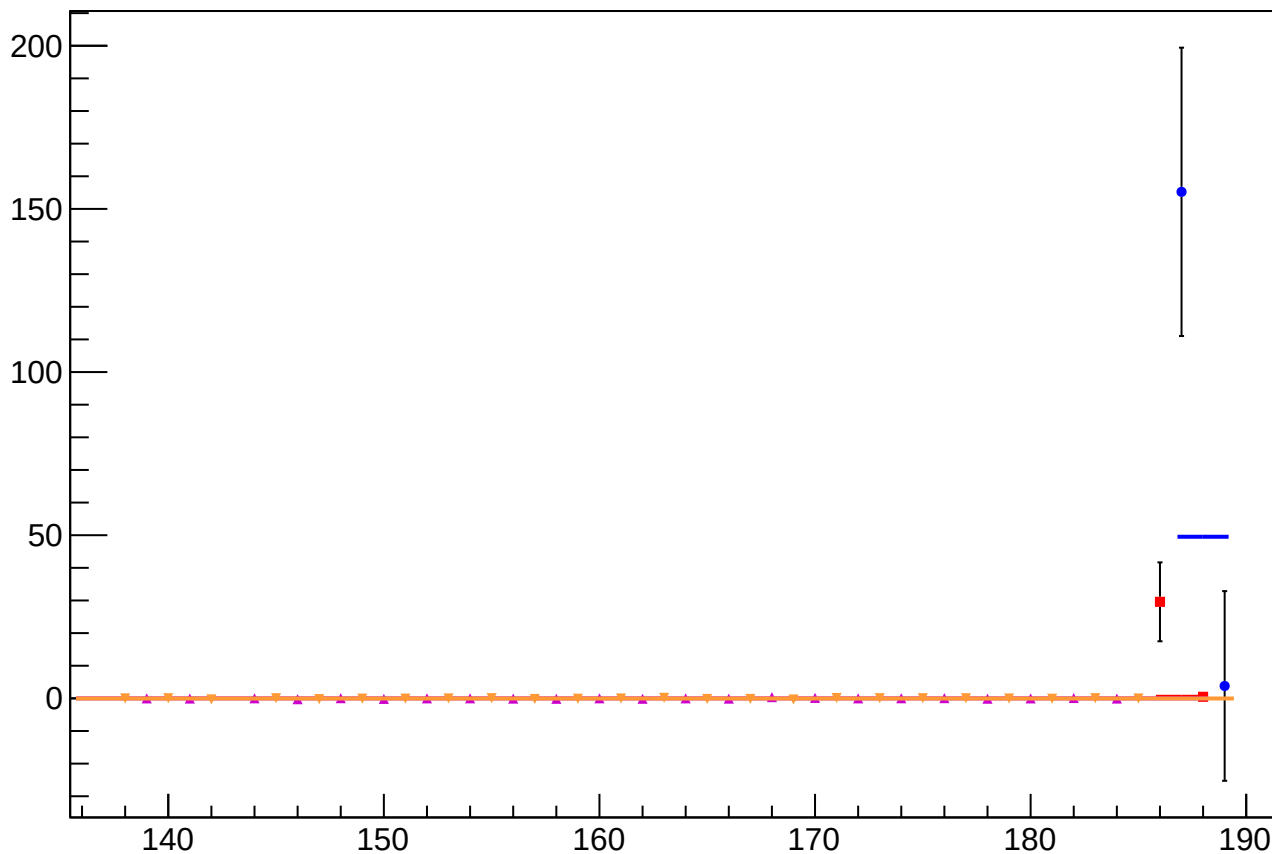
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.361 ± 0.021 $\chi^2/\text{NDF}: 9273.7/17$
 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: -0.411 ± 0.015 $\chi^2/\text{NDF}: 99850.2/37$
 In: -0.535 ± 0.007 $\chi^2/\text{NDF}: 55466.7/40$
 Out: -0.759 ± 0.007 $\chi^2/\text{NDF}: 142137.0/43$
 All: -0.646 ± 0.005 $\chi^2/\text{NDF}: 198088.6/84$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 49.527 $\pm$ 24.282 χ^2 /NDF: 8.2/1

Left Out: -0.038 $\pm$ 0.018 χ^2 /NDF: 35.6/23

Right Out: 0.483 $\pm$ 0.128 χ^2 /NDF: 5.8/1

Left In: -0.009 $\pm$ 0.018 χ^2 /NDF: 35.3/22

Left: -0.024 $\pm$ 0.013 χ^2 /NDF: 72.1/46

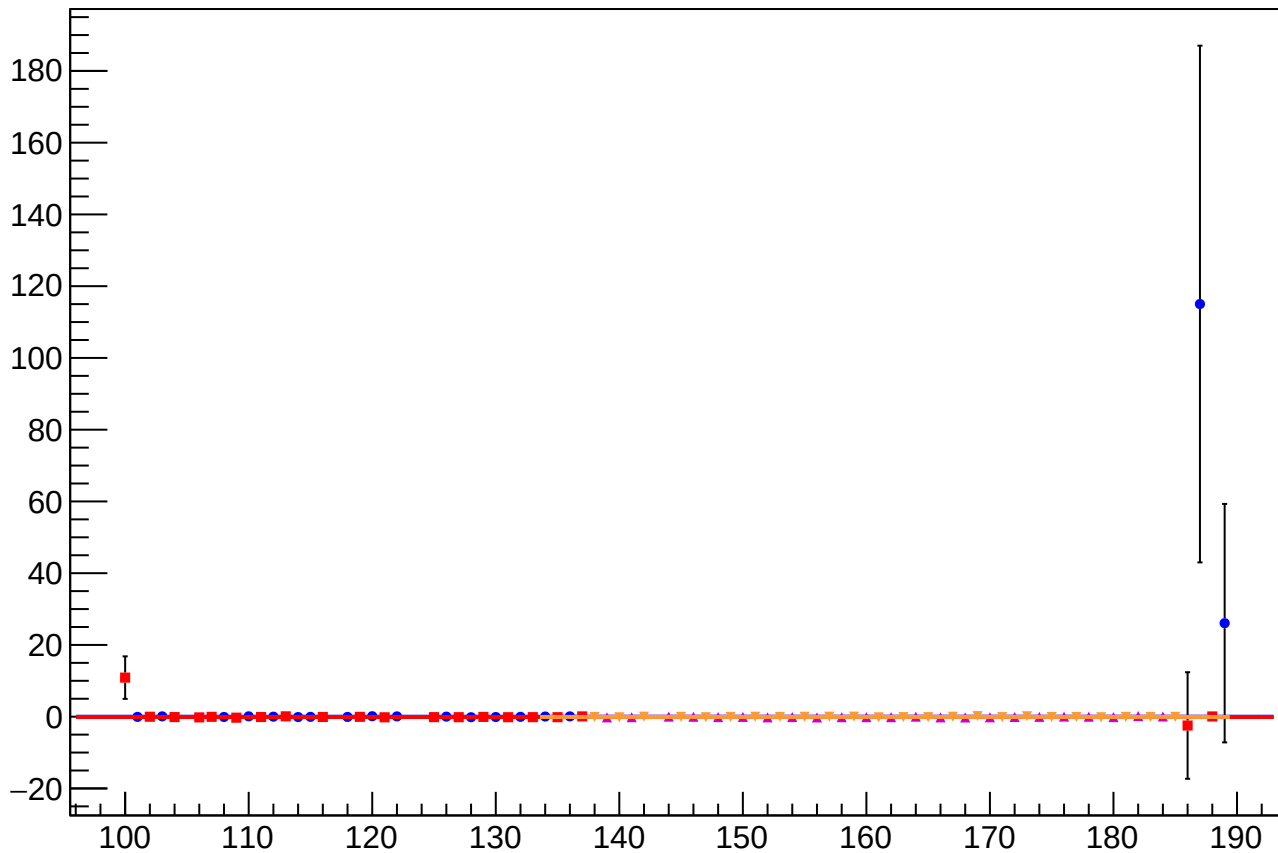
Right: 0.485 $\pm$ 0.128 χ^2 /NDF: 18.1/3

In: -0.009 $\pm$ 0.018 χ^2 /NDF: 47.6/24

Out: -0.028 $\pm$ 0.018 χ^2 /NDF: 57.7/25

All: -0.019 $\pm$ 0.013 χ^2 /NDF: 105.9/50

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 15.4/17

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.090 ± 0.025 χ^2/NDF : 13.3/19

Left In: -0.065 ± 0.014 χ^2/NDF : 40.4/22

Left: -0.069 ± 0.010 χ^2/NDF : 68.3/46

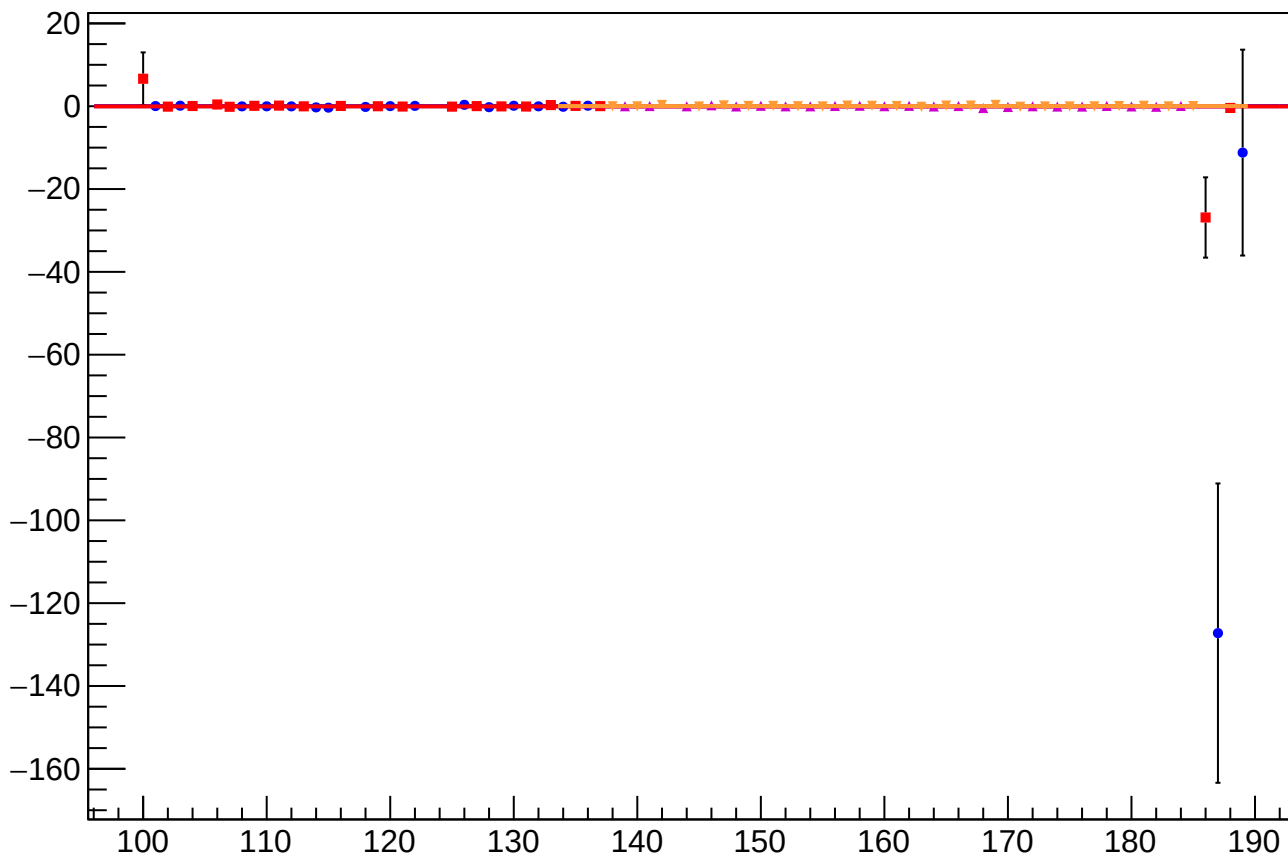
Right: -0.049 ± 0.017 χ^2/NDF : 33.8/37

In: -0.051 ± 0.012 χ^2/NDF : 59.5/40

Out: -0.077 ± 0.012 χ^2/NDF : 41.5/43

All: -0.064 ± 0.009 χ^2/NDF : 103.2/84

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.043 χ^2 /NDF: 22.2/17

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

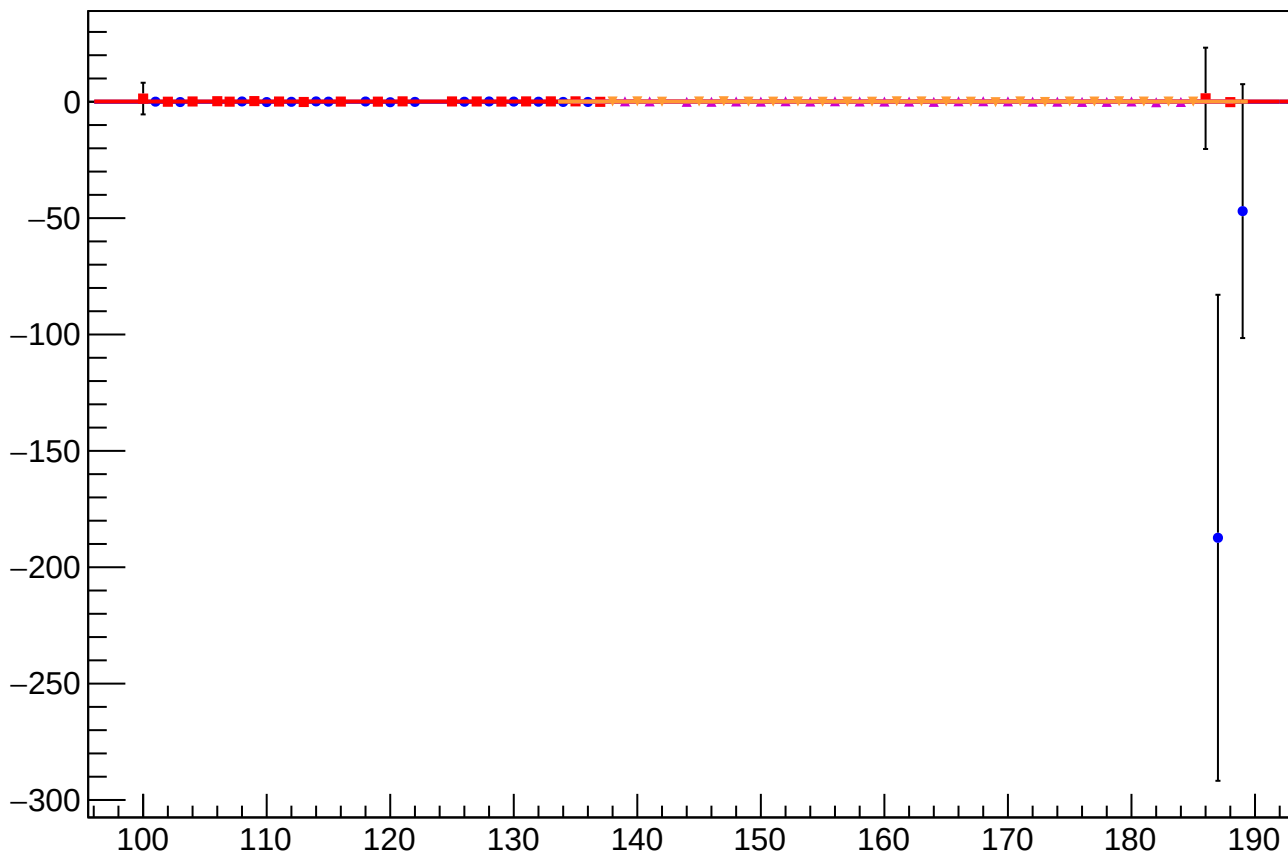
Right: -0.014 $\pm$ 0.030 χ^2 /NDF: 55.9/37

In: -0.006 $\pm$ 0.017 χ^2 /NDF:59.7/40

Out: 0.023 $\pm$ 0.016 χ^2 /NDF:68.1/43

All: 0.009 $\pm$ 0.012 χ^2 /NDF: 129.3/84

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 16.1/17

Left Out: 0.086 $\pm$ 0.016 χ^2 /NDF: 27.8/23

Right Out: 0.108 $\pm$ 0.029 χ^2 /NDF: 8.7/19

Left In: 0.071 $\pm$ 0.016 χ^2 /NDF: 44.0/22

Left: 0.079 $\pm$ 0.011 χ^2 /NDF: 72.1/46

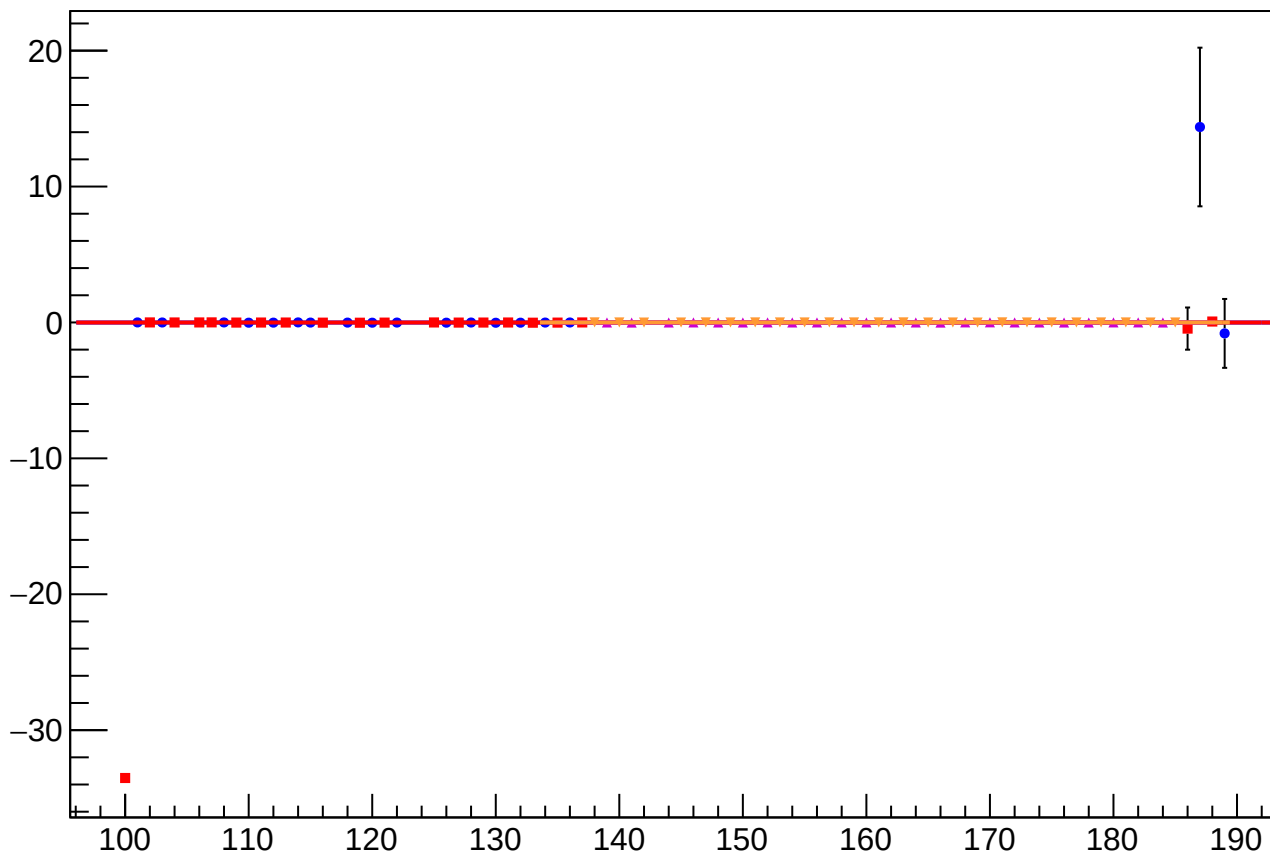
Right: 0.054 $\pm$ 0.020 χ^2 /NDF: 31.4/37

In: 0.054 $\pm$ 0.014 χ^2 /NDF: 64.2/40

Out: 0.091 $\pm$ 0.014 χ^2 /NDF: 36.9/43

All: 0.073 $\pm$ 0.010 χ^2 /NDF: 104.7/84

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 28.8/17

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.9/23

Right Out: -0.005 ± 0.001 χ^2/NDF : 26532.8/19

Left In: 0.000 ± 0.001 χ^2/NDF : 22.4/22

Left: 0.000 ± 0.001 χ^2/NDF : 46.3/46

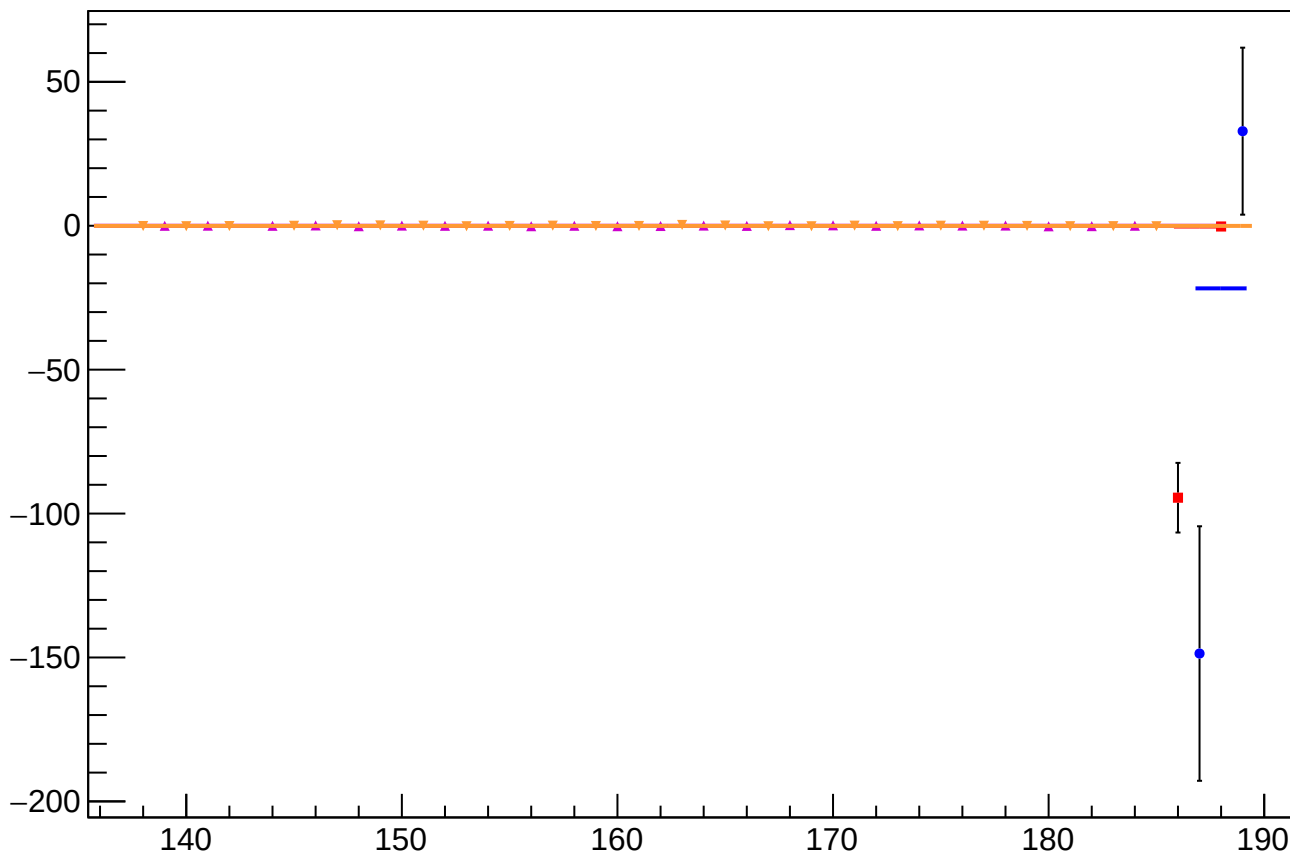
Right: -0.005 ± 0.001 χ^2/NDF : 26561.6/37

In: -0.001 ± 0.001 χ^2/NDF : 63.3/40

Out: -0.001 ± 0.001 χ^2/NDF : 26568.6/43

All: -0.001 ± 0.000 χ^2/NDF : 26631.9/84

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -21.759 ± 24.256 $\chi^2/\text{NDF}: 11.8/1$

Left Out: -0.052 ± 0.018 $\chi^2/\text{NDF}: 37.3/23$

Right Out: -0.267 ± 0.128 $\chi^2/\text{NDF}: 60.7/1$

Left In: -0.010 ± 0.018 $\chi^2/\text{NDF}: 33.3/22$

Left: -0.031 ± 0.013 $\chi^2/\text{NDF}: 73.3/46$

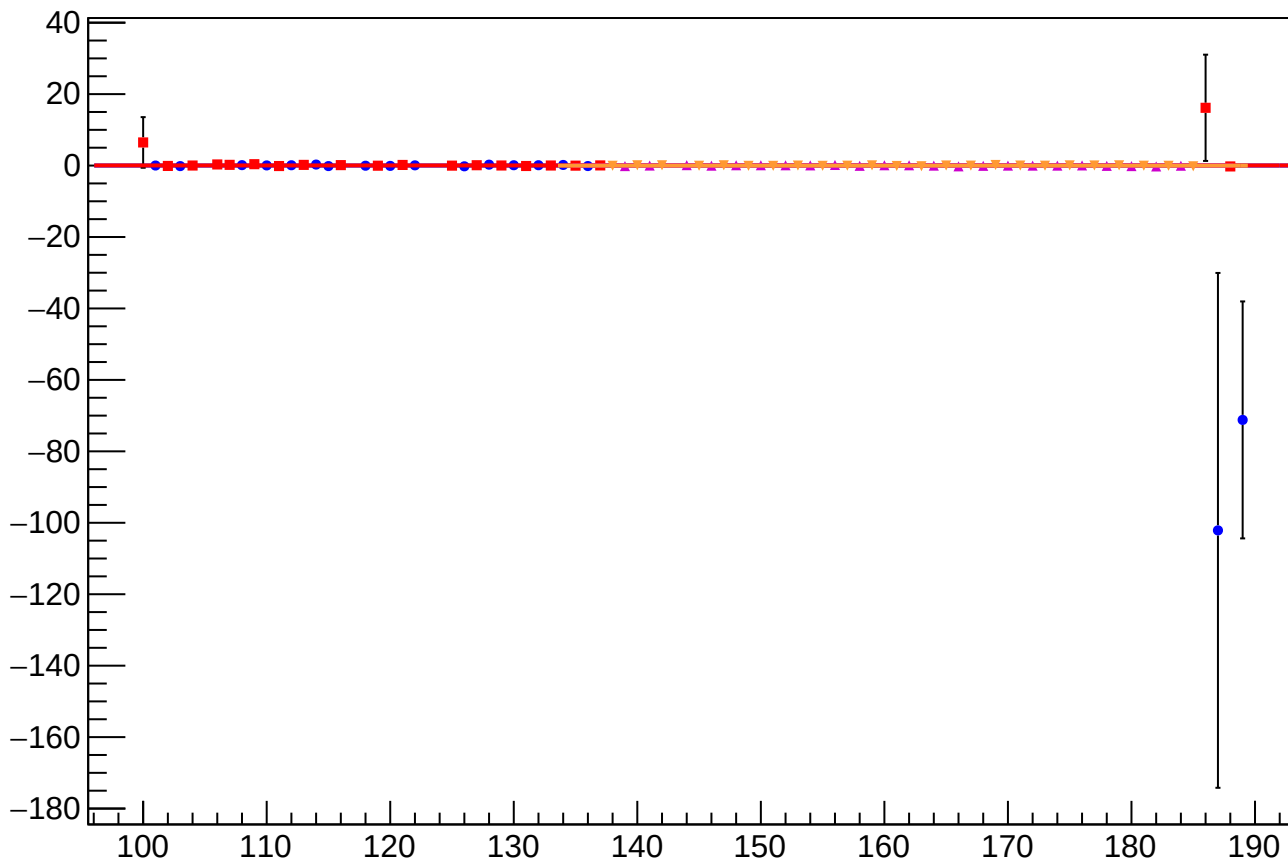
Right: -0.267 ± 0.128 $\chi^2/\text{NDF}: 73.2/3$

In: -0.010 ± 0.018 $\chi^2/\text{NDF}: 45.9/24$

Out: -0.056 ± 0.018 $\chi^2/\text{NDF}: 100.7/25$

All: -0.033 ± 0.013 $\chi^2/\text{NDF}: 149.9/50$

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.023 χ^2 /NDF: 32.1/17

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

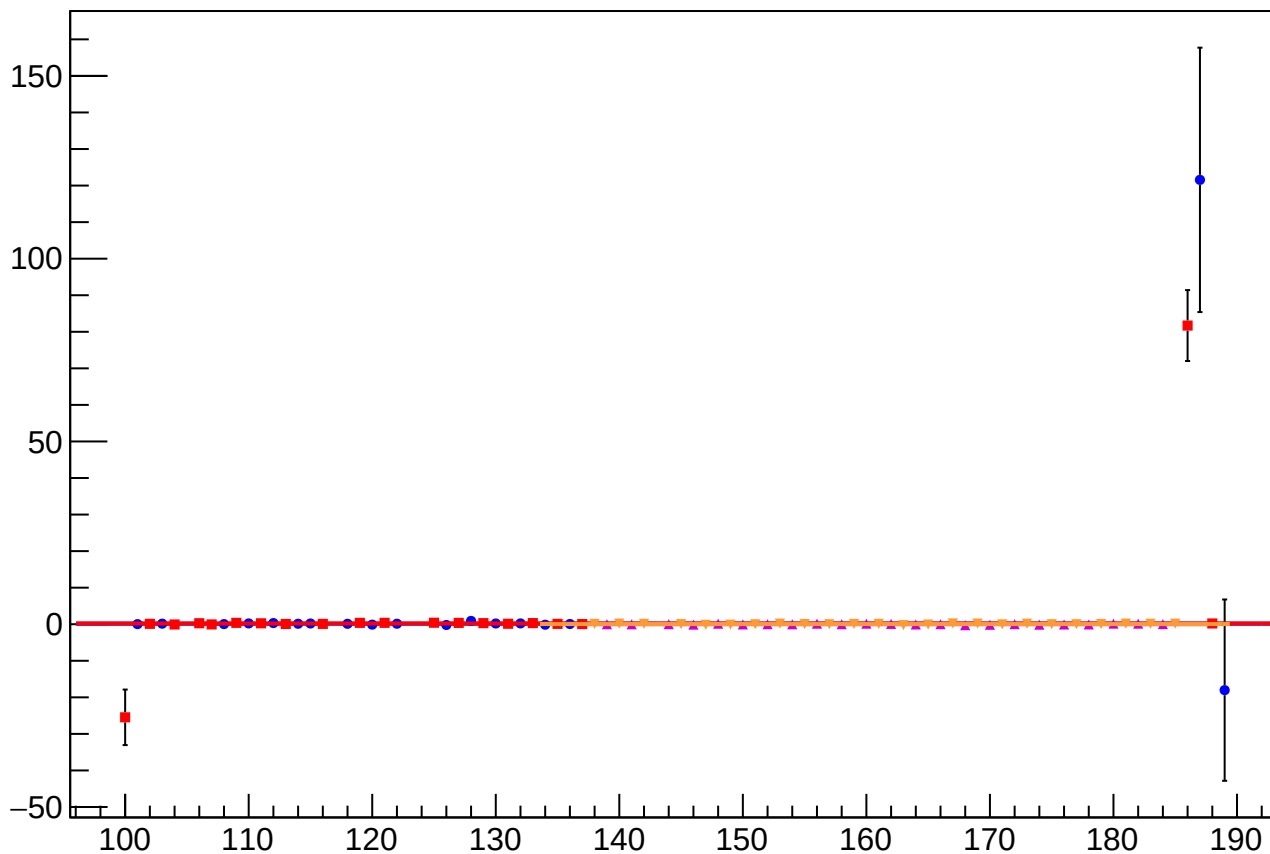
Right: 0.023 $\pm$ 0.017 χ^2 /NDF: 63.5/37

In: 0.006 $\pm$ 0.012 χ^2 /NDF:82.4/40

Out: 0.001 $\pm$ 0.012 χ^2 /NDF:63.0/43

All: 0.003 $\pm$ 0.009 χ^2 /NDF: 145.5/84

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.152 $\pm$ 0.043 χ^2 /NDF: 40.5/17

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

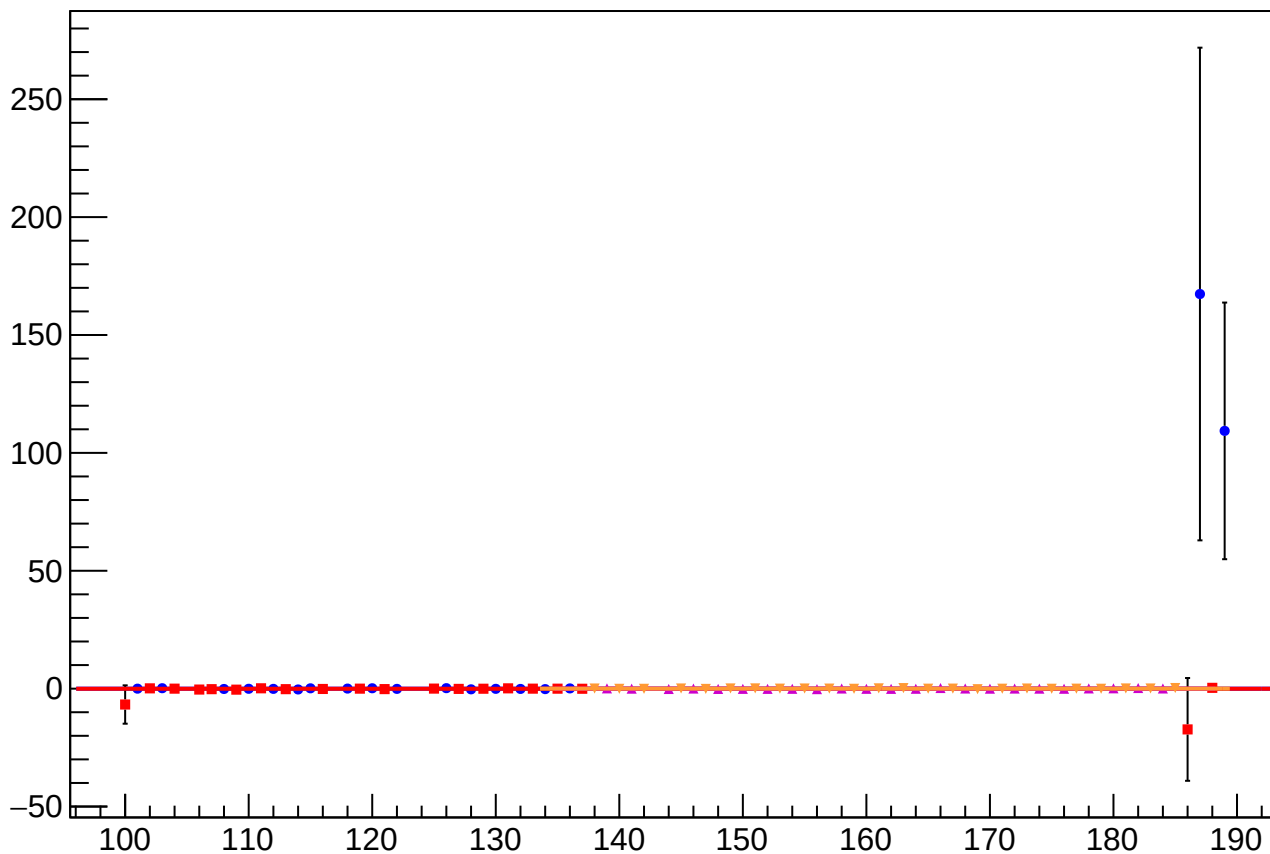
Right: 0.179 $\pm$ 0.030 χ^2 /NDF: 134.8/37

In: 0.041 $\pm$ 0.017 χ^2 /NDF:82.5/40

Out: 0.073 $\pm$ 0.016 χ^2 /NDF:140.9/43

All: 0.057 $\pm$ 0.012 χ^2 /NDF: 225.2/84

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.014 ± 0.027 χ^2/NDF : 31.8/17

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

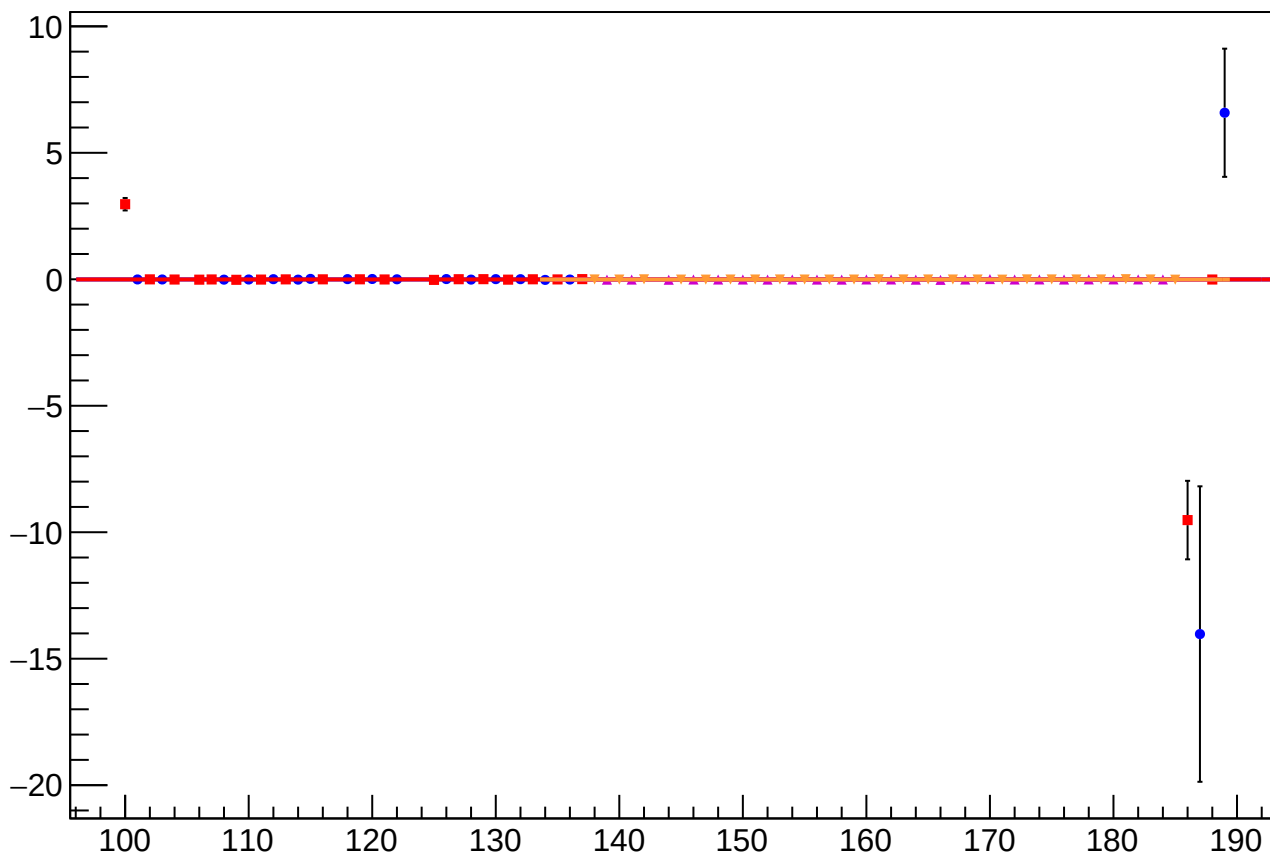
Right: -0.029 ± 0.020 χ^2/NDF : 60.5/37

In: 0.002 ± 0.014 χ^2/NDF : 82.9/40

Out: 0.005 ± 0.014 χ^2/NDF : 65.4/43

All: 0.003 ± 0.010 χ^2/NDF : 148.3/84

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.001 χ^2/NDF : 41.5/17

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

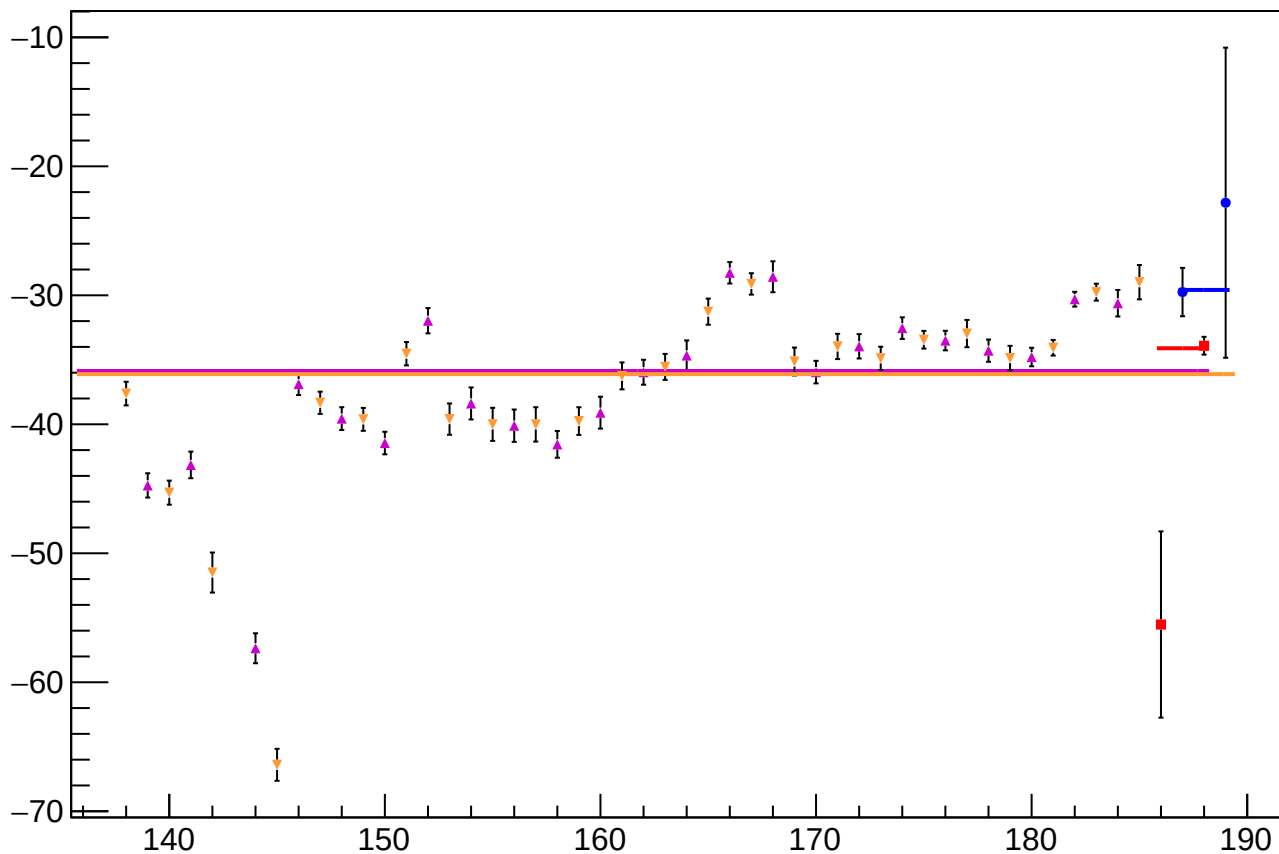
Right: -0.006+/-0.001 χ^2/NDF : 245.0/37

In: -0.008+/-0.001 χ^2/NDF :83.6/40

Out: -0.008+/-0.001 χ^2/NDF :237.2/43

All: -0.008+/-0.000 χ^2/NDF : 321.0/84

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -29.583 ± 1.853 χ^2/NDF : 0.3/1

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

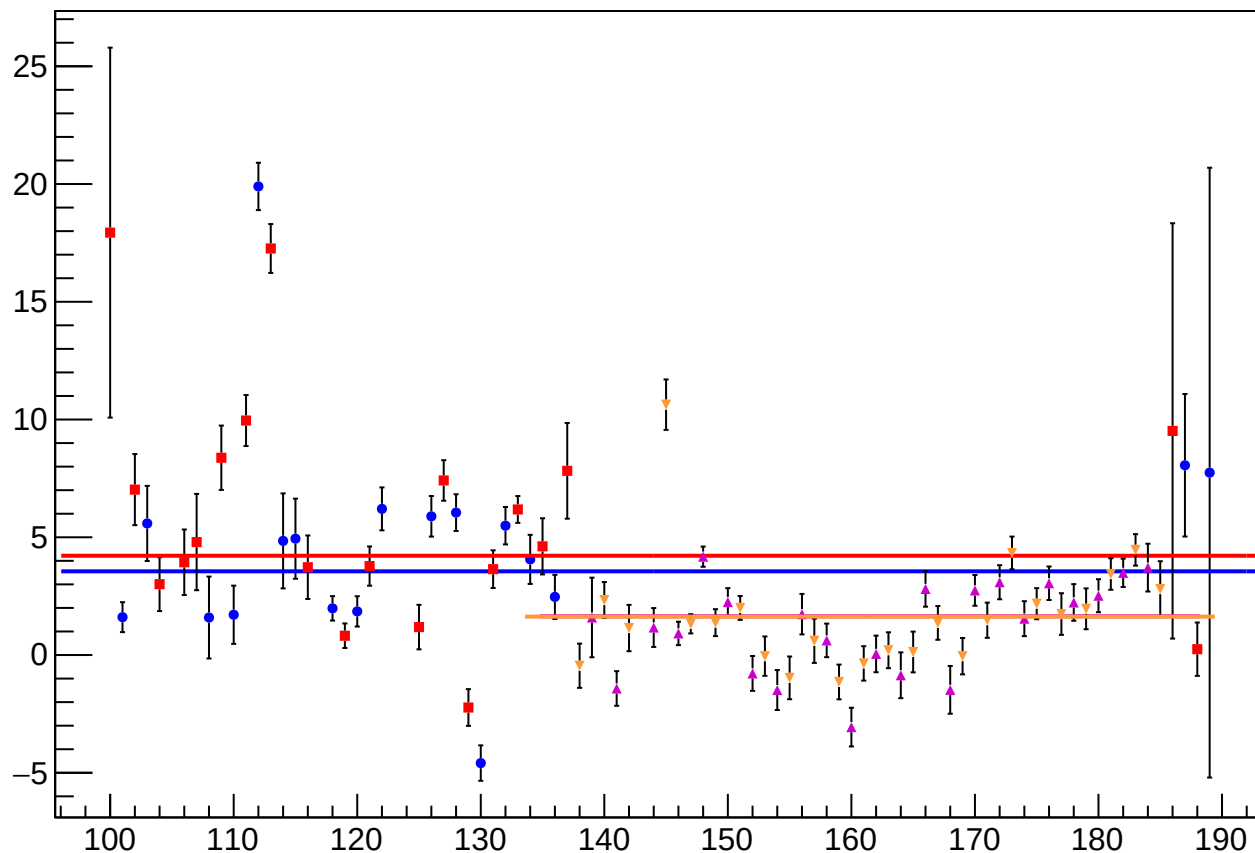
Right: -33.559 ± 0.644 χ^2/NDF : 14.4/3

In: -35.803 ± 0.190 χ^2/NDF : 898.8/24

Out: -35.965 ± 0.185 χ^2/NDF : 1135.2/25

All: -35.886 ± 0.132 χ^2/NDF : 2034.4/50

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.554 ± 0.217 $\chi^2/\text{NDF}: 448.9/17$

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 $\chi^2/\text{NDF}: 330.7/46$

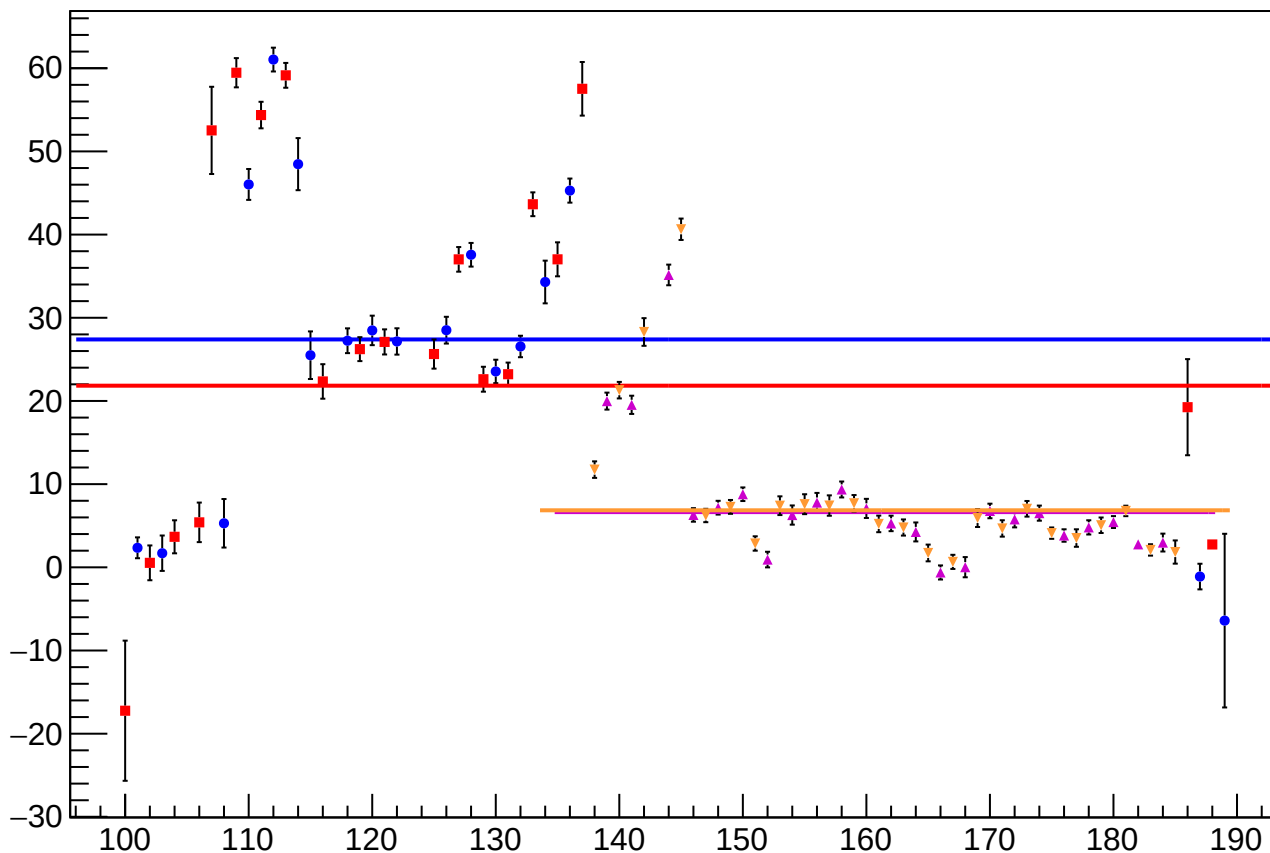
Right: 3.879 ± 0.155 $\chi^2/\text{NDF}: 820.4/37$

In: 2.259 ± 0.123 $\chi^2/\text{NDF}: 665.6/40$

Out: 2.430 ± 0.123 $\chi^2/\text{NDF}: 628.0/43$

All: 2.345 ± 0.087 $\chi^2/\text{NDF}: 1294.6/84$

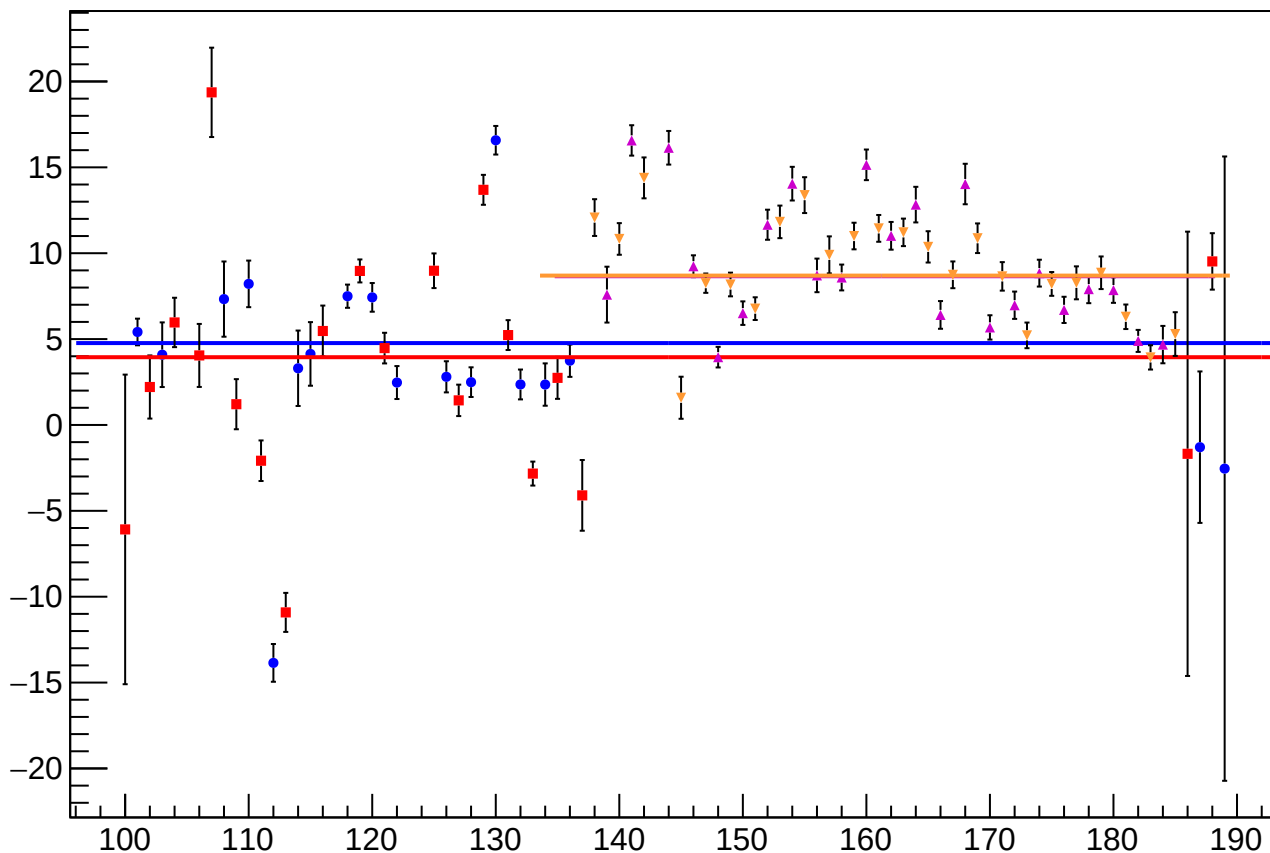
reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Left: 6.746 +/- 0.135 χ^2/NDF : 2376.6/46
 Right: 24.125 +/- 0.258 χ^2/NDF : 5491.2/37
 In: 10.421 +/- 0.172 χ^2/NDF : 5131.4/40
 Out: 10.518 +/- 0.166 χ^2/NDF : 6301.4/43
 All: 10.471 +/- 0.119 χ^2/NDF : 11432.9/84

Right In: 27.395 +/- 0.402 χ^2/NDF : 1874.0/17
 Left Out: 6.855 +/- 0.191 χ^2/NDF : 1298.7/23
 Right Out: 21.835 +/- 0.336 χ^2/NDF : 3504.6/19
 Left In: 6.639 +/- 0.190 χ^2/NDF : 1077.2/22

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.768 $\pm$ 0.251 χ^2 /NDF: 556.0/17

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

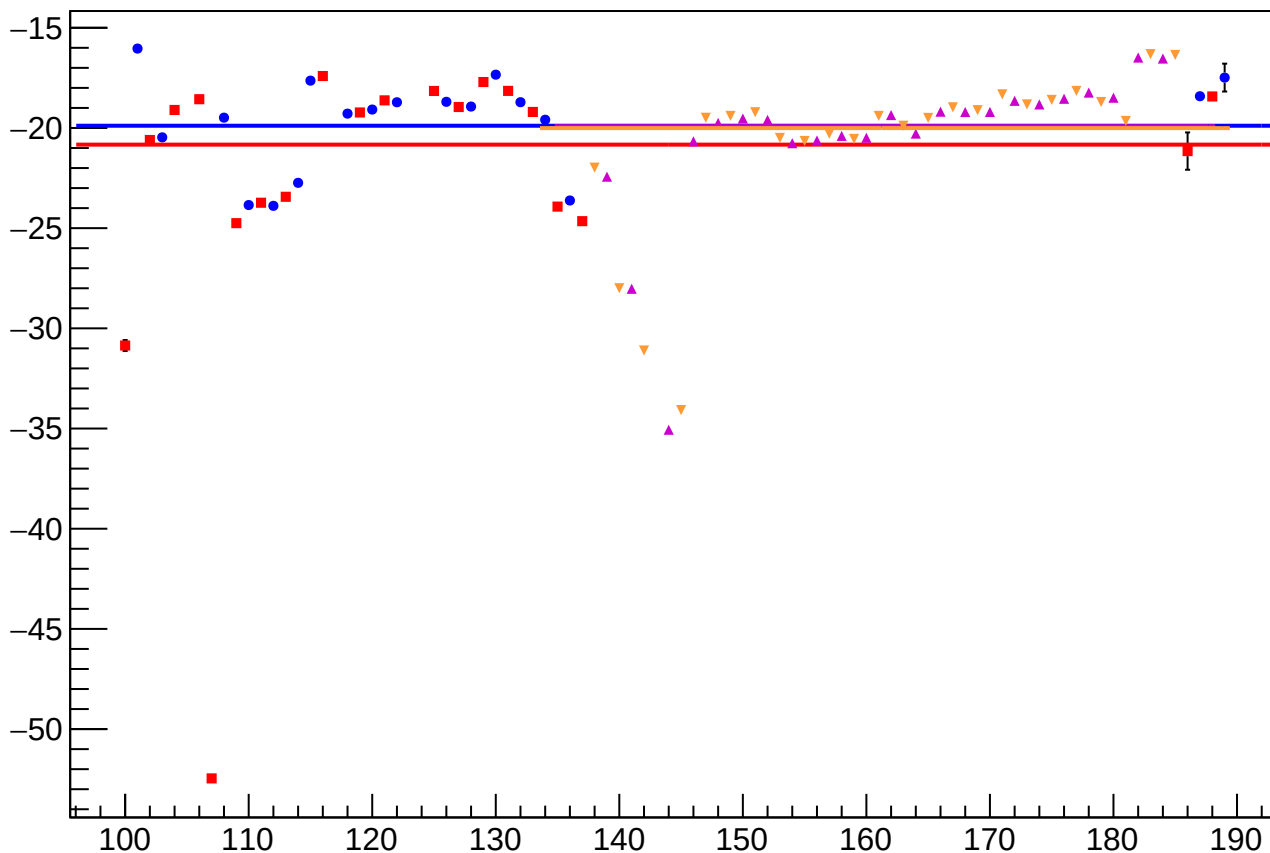
Right: 4.364 $\pm$ 0.179 χ^2 /NDF: 1140.9/37

In: 7.437 $\pm$ 0.141 χ^2 /NDF:1159.1/40

Out: 7.253 $\pm$ 0.141 χ^2 /NDF:1061.1/43

All: 7.345 $\pm$ 0.100 χ^2 /NDF: 2221.2/84

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.888 $\pm$ 0.016 χ^2 /NDF: 26120.9/17

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

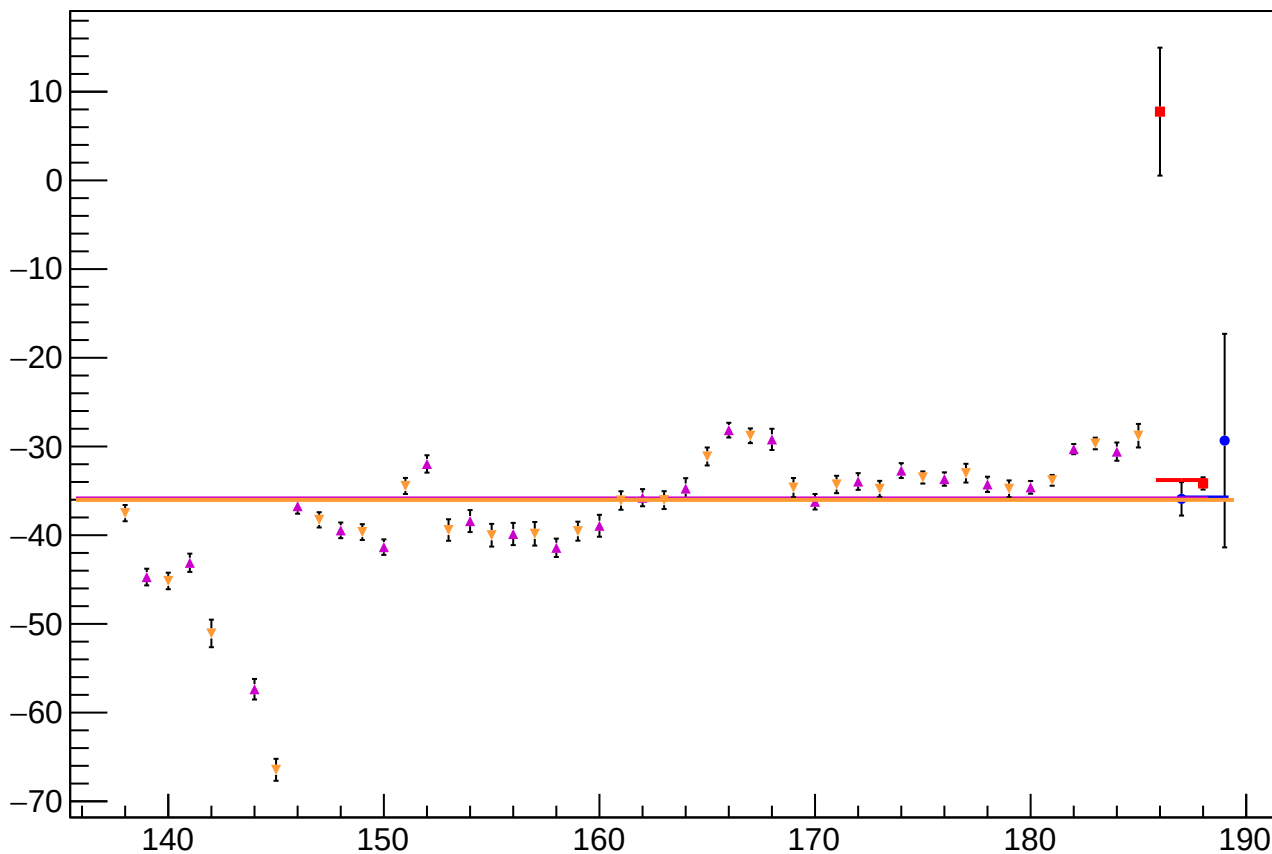
Right: -20.365 $\pm$ 0.011 χ^2 /NDF: 123142.3/37

In: -19.907 $\pm$ 0.007 χ^2 /NDF:171610.2/40

Out: -20.179 $\pm$ 0.007 χ^2 /NDF:269082.8/43

All: -20.042 $\pm$ 0.005 χ^2 /NDF: 441445.2/84

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



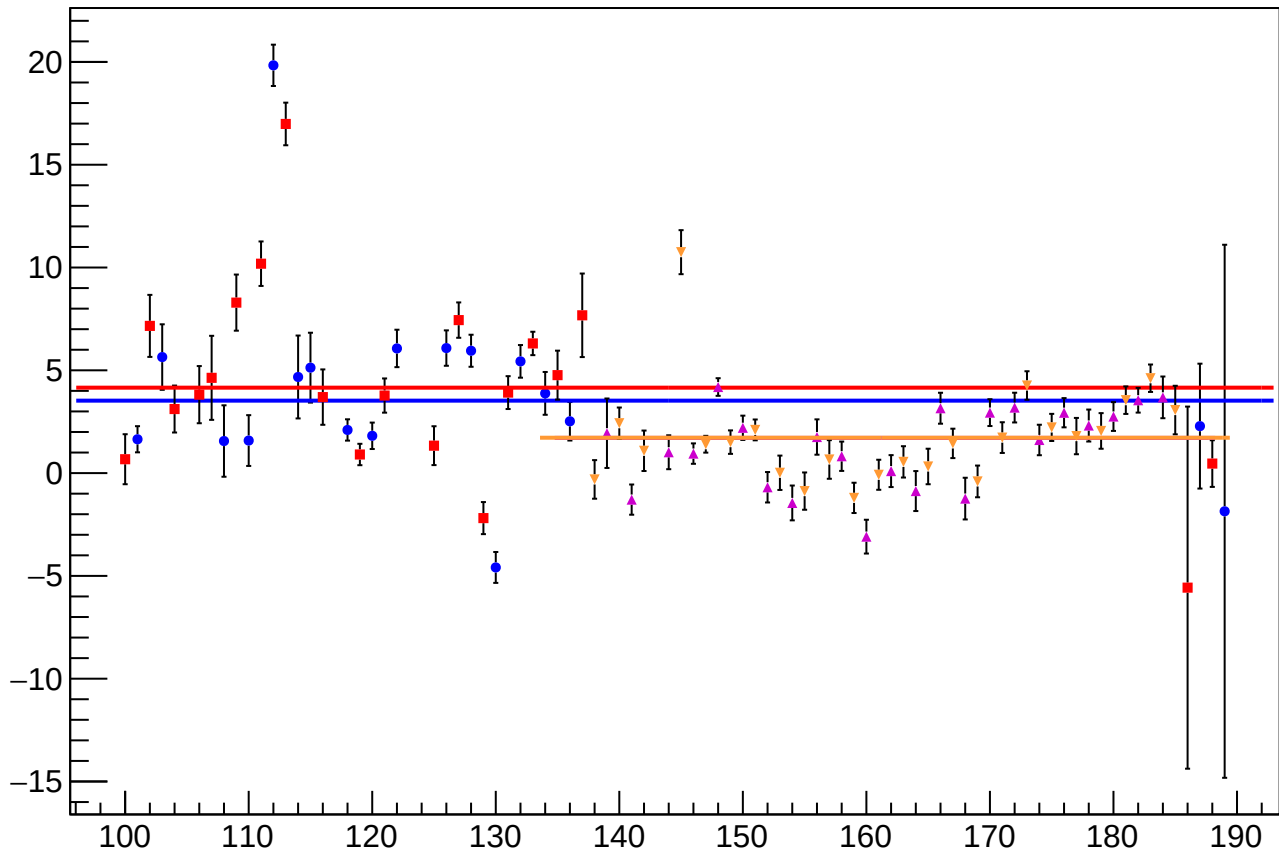
Right In: -35.749 ± 1.859 χ^2/NDF : 0.3/1
 Left Out: -36.019 ± 0.192 χ^2/NDF : 1125.4/23
 Right Out: -33.784 ± 0.687 χ^2/NDF : 33.5/1
 Left In: -35.856 ± 0.191 χ^2/NDF : 875.9/22

Left: -35.937 ± 0.135 χ^2/NDF : 2001.6/46
 Right: -34.020 ± 0.645 χ^2/NDF : 34.7/3

In: -35.855 ± 0.190 χ^2/NDF : 876.2/24
 Out: -35.857 ± 0.185 χ^2/NDF : 1168.7/25

All: -35.856 ± 0.132 χ^2/NDF : 2044.8/50

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.525 ± 0.217 $\chi^2/\text{NDF}: 443.6/17$

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 $\chi^2/\text{NDF}: 332.4/46$

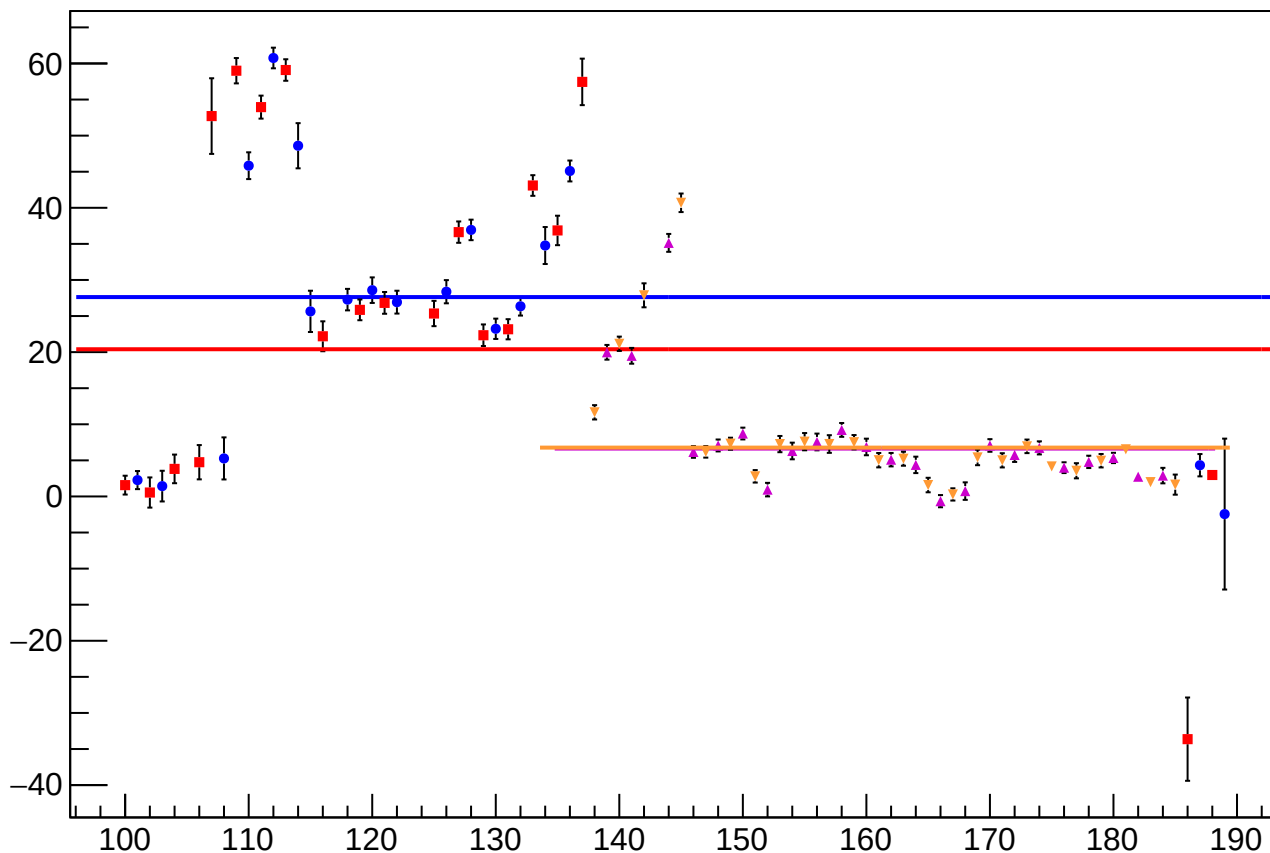
Right: 3.839 ± 0.153 $\chi^2/\text{NDF}: 812.9/37$

In: 2.295 ± 0.123 $\chi^2/\text{NDF}: 655.2/40$

Out: 2.490 ± 0.122 $\chi^2/\text{NDF}: 619.2/43$

All: 2.393 ± 0.087 $\chi^2/\text{NDF}: 1275.7/84$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.628 $\pm$ 0.402 χ^2 /NDF: 1741.5/17

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

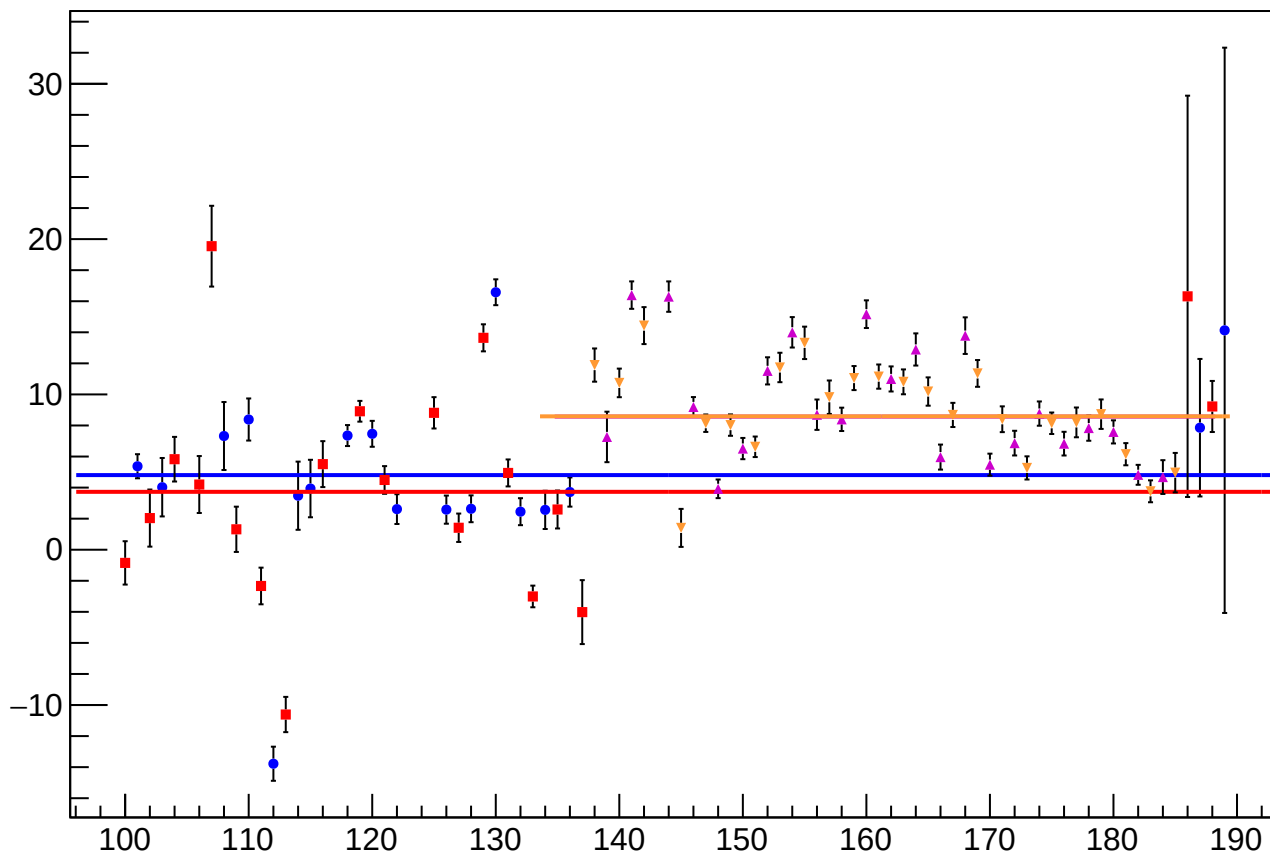
Right: 23.268 $\pm$ 0.253 χ^2 /NDF: 5664.6/37

In: 10.459 $\pm$ 0.172 χ^2 /NDF:5044.1/40

Out: 10.259 $\pm$ 0.165 χ^2 /NDF:6330.3/43

All: 10.355 $\pm$ 0.119 χ^2 /NDF: 11375.1/84

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.805 ± 0.251 $\chi^2/\text{NDF}: 550.7/17$

Left Out: 8.588 ± 0.169 $\chi^2/\text{NDF}: 245.6/23$

Right Out: 3.728 ± 0.251 $\chi^2/\text{NDF}: 585.7/19$

Left In: 8.573 ± 0.170 $\chi^2/\text{NDF}: 443.4/22$

Left: 8.581 ± 0.120 $\chi^2/\text{NDF}: 689.0/46$

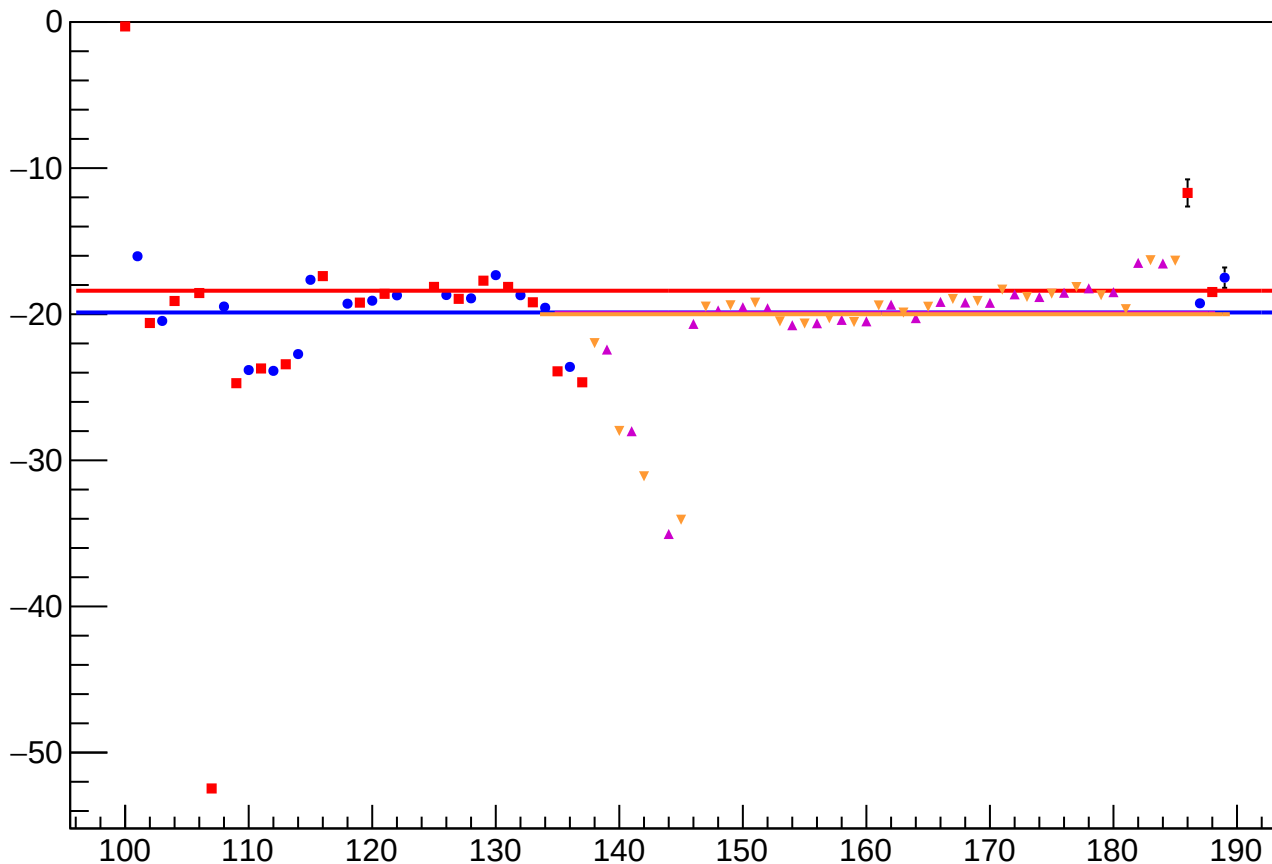
Right: 4.268 ± 0.178 $\chi^2/\text{NDF}: 1145.7/37$

In: 7.389 ± 0.140 $\chi^2/\text{NDF}: 1149.1/40$

Out: 7.078 ± 0.140 $\chi^2/\text{NDF}: 1088.9/43$

All: 7.233 ± 0.099 $\chi^2/\text{NDF}: 2240.5/84$

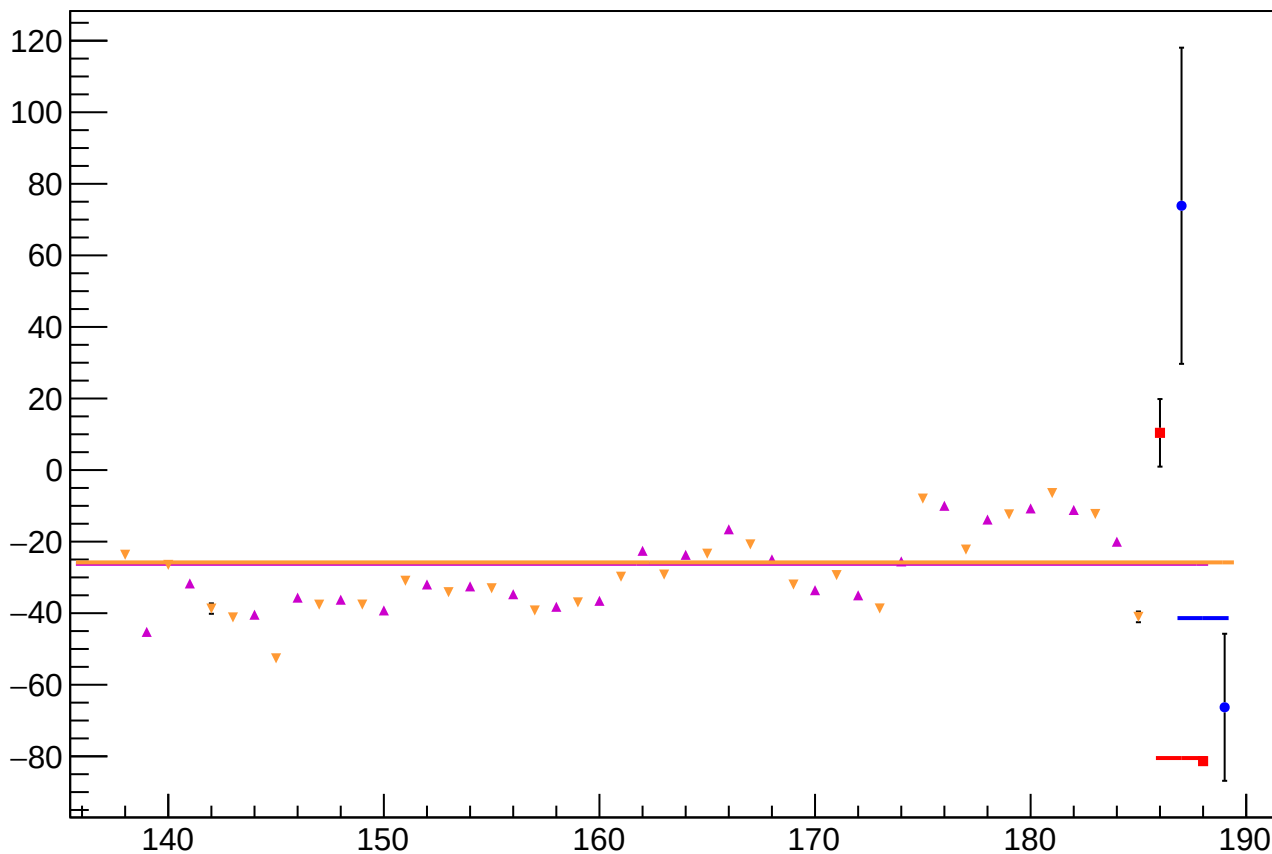
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.880 ± 0.016 $\chi^2/\text{NDF}: 26081.6/17$
 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 $\chi^2/\text{NDF}: 332303.7/37$
 In: -19.900 ± 0.007 $\chi^2/\text{NDF}: 171430.3/40$
 Out: -19.630 ± 0.007 $\chi^2/\text{NDF}: 482664.6/43$
 All: -19.764 ± 0.005 $\chi^2/\text{NDF}: 654845.6/84$

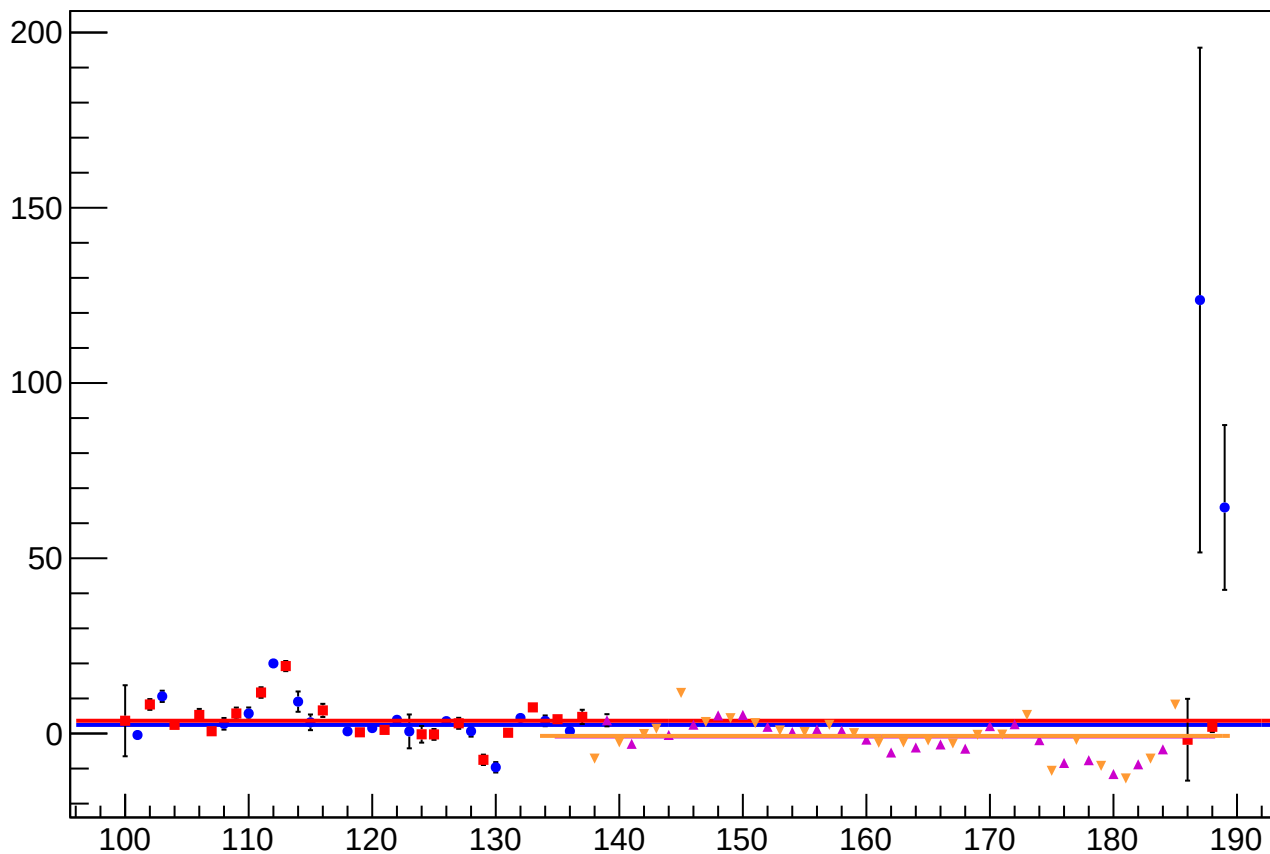
reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -41.374 ± 18.631 χ^2/NDF : 8.3/1
 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: -80.391 ± 0.914 χ^2/NDF : 106.1/3
 In: -26.205 ± 0.194 χ^2/NDF : 3386.7/24
 Out: -28.114 ± 0.188 χ^2/NDF : 7639.6/26
 All: -27.189 ± 0.135 χ^2/NDF : 11076.2/51

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.457 ± 0.311 $\chi^2/\text{NDF}: 305.1/18$

Left Out: -0.681 ± 0.147 $\chi^2/\text{NDF}: 1314.3/24$

Right Out: 3.642 ± 0.319 $\chi^2/\text{NDF}: 270.7/20$

Left In: -0.842 ± 0.150 $\chi^2/\text{NDF}: 1071.6/22$

Left: -0.760 ± 0.105 $\chi^2/\text{NDF}: 2386.5/47$

Right: 3.033 ± 0.223 $\chi^2/\text{NDF}: 582.8/39$

In: -0.219 ± 0.135 $\chi^2/\text{NDF}: 1468.0/41$

Out: 0.072 ± 0.133 $\chi^2/\text{NDF}: 1736.2/45$

All: -0.072 ± 0.095 $\chi^2/\text{NDF}: 3206.6/87$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.567 $\pm$ 0.573 χ^2 /NDF: 2261.4/18

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

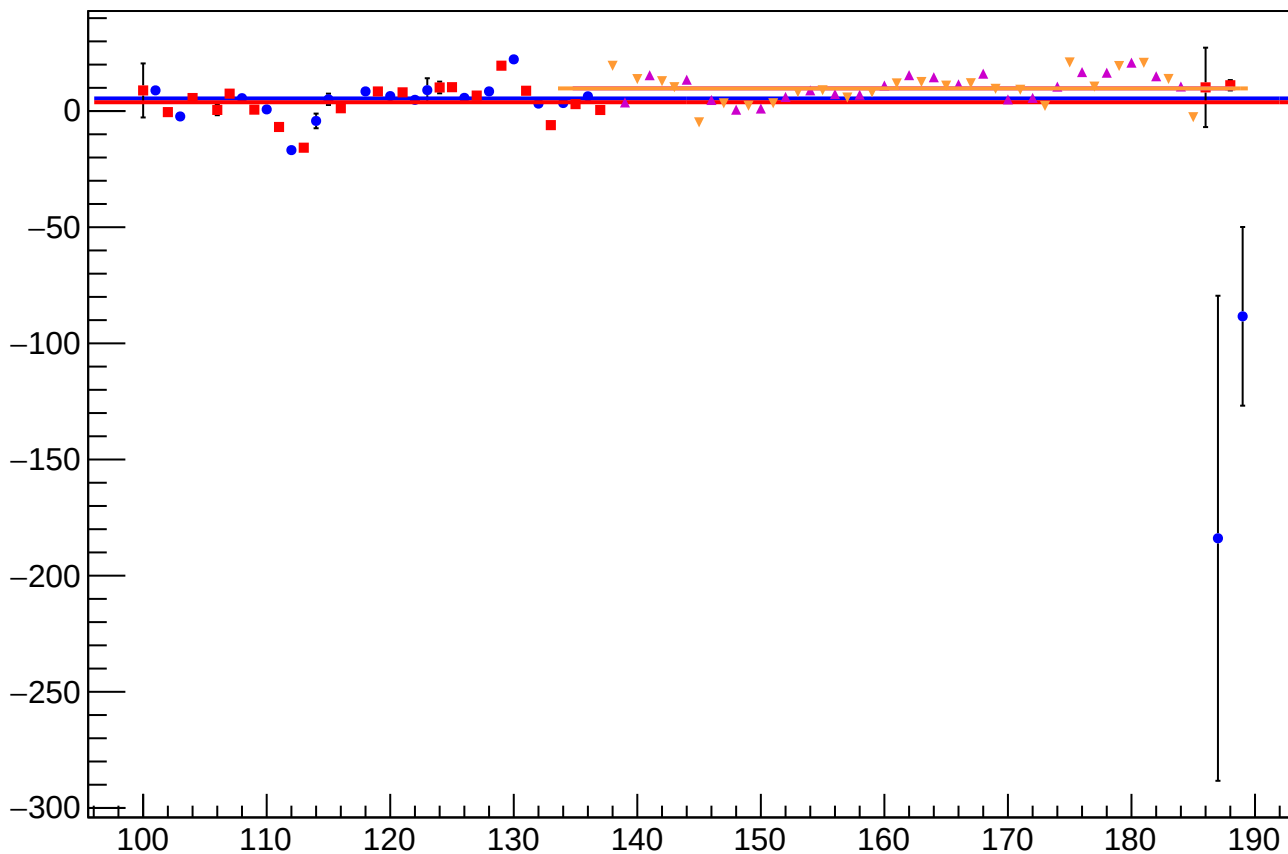
Right: 86.044 $\pm$ 0.360 χ^2 /NDF: 5172.3/39

In: 57.396 $\pm$ 0.183 χ^2 /NDF: 7332.9/41

Out: 60.475 $\pm$ 0.177 χ^2 /NDF: 12519.0/45

All: 58.983 $\pm$ 0.127 χ^2 /NDF: 19998.2/87

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.432 $\pm$ 0.357 χ^2 /NDF: 396.7/18

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

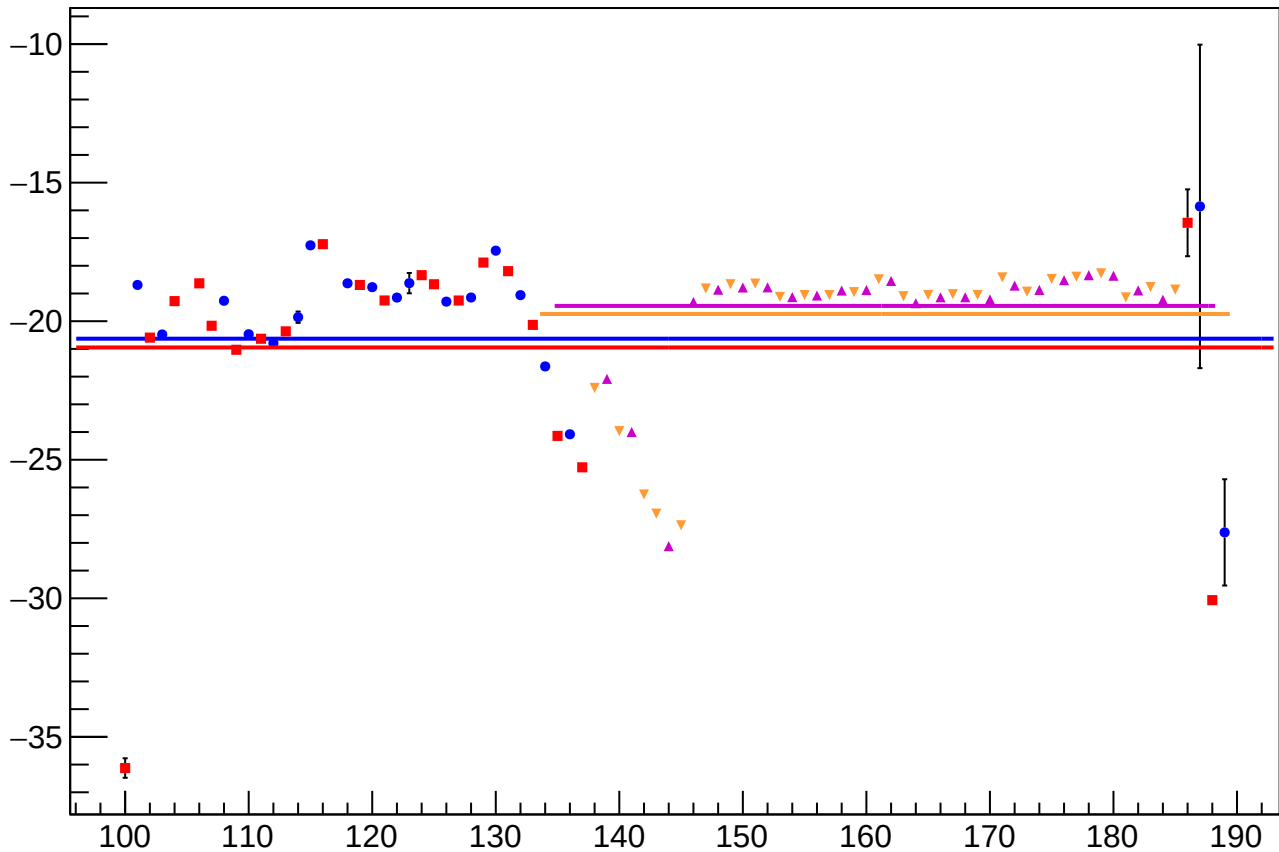
Right: 4.642 $\pm$ 0.257 χ^2 /NDF: 841.3/39

In: 8.963 $\pm$ 0.154 χ^2 /NDF:1682.4/41

Out: 8.731 $\pm$ 0.153 χ^2 /NDF:2098.3/45

All: 8.846 $\pm$ 0.109 χ^2 /NDF: 3781.9/87

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.631 $\pm$ 0.019 χ^2 /NDF: 12504.5/18

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

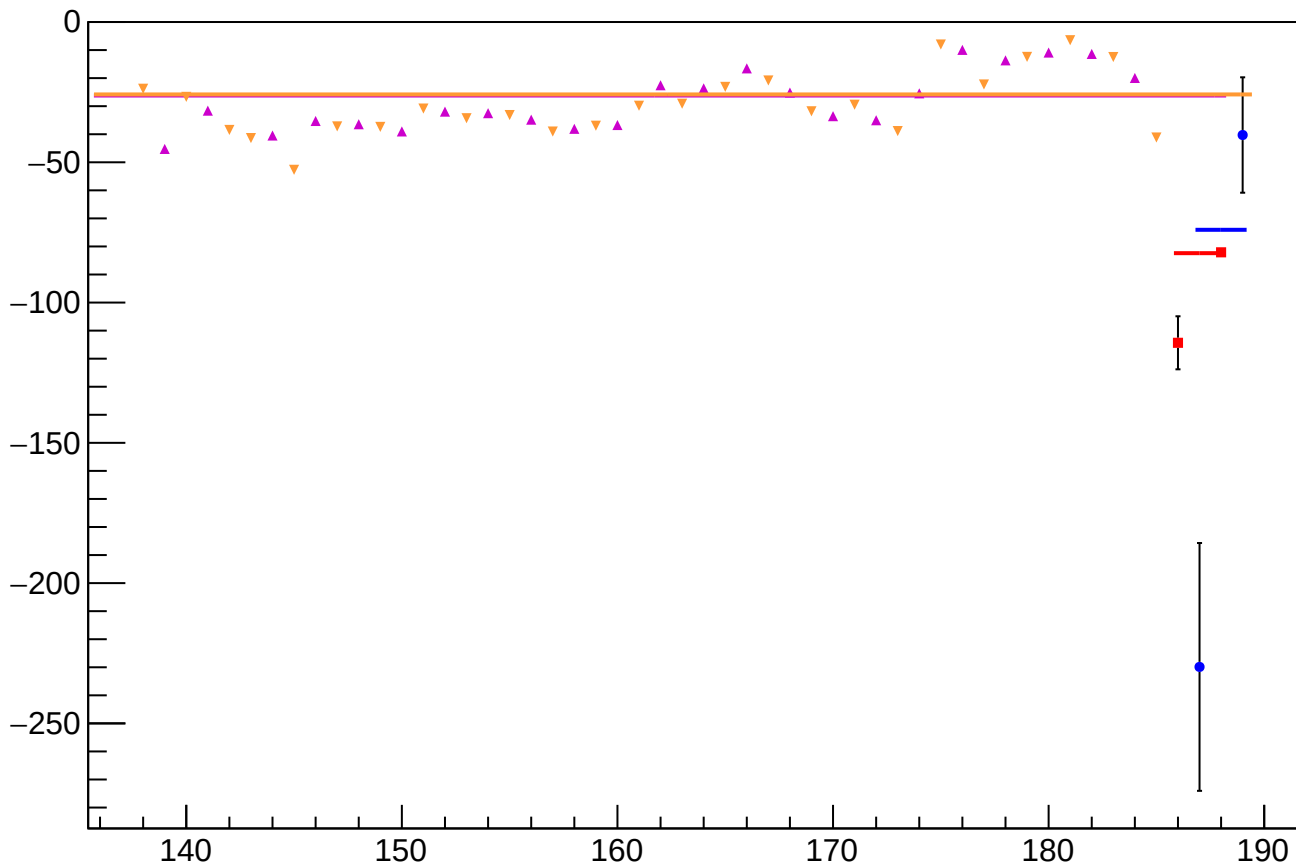
Right: -20.791 $\pm$ 0.014 χ^2 /NDF: 34012.8/39

In: -19.619 $\pm$ 0.007 χ^2 /NDF: 69767.4/41

Out: -19.915 $\pm$ 0.007 χ^2 /NDF: 113287.7/45

All: -19.767 $\pm$ 0.005 χ^2 /NDF: 183874.7/87

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -74.065+/-18.646 χ^2/NDF : 15.1/1

Left Out: -25.814+/-0.192 χ^2/NDF : 4094.6/24

Right Out: -82.392+/-0.916 χ^2/NDF : 11.5/1

Left In: -26.200+/-0.194 χ^2/NDF : 3344.6/22

Left: -26.005+/-0.137 χ^2/NDF : 7441.2/47

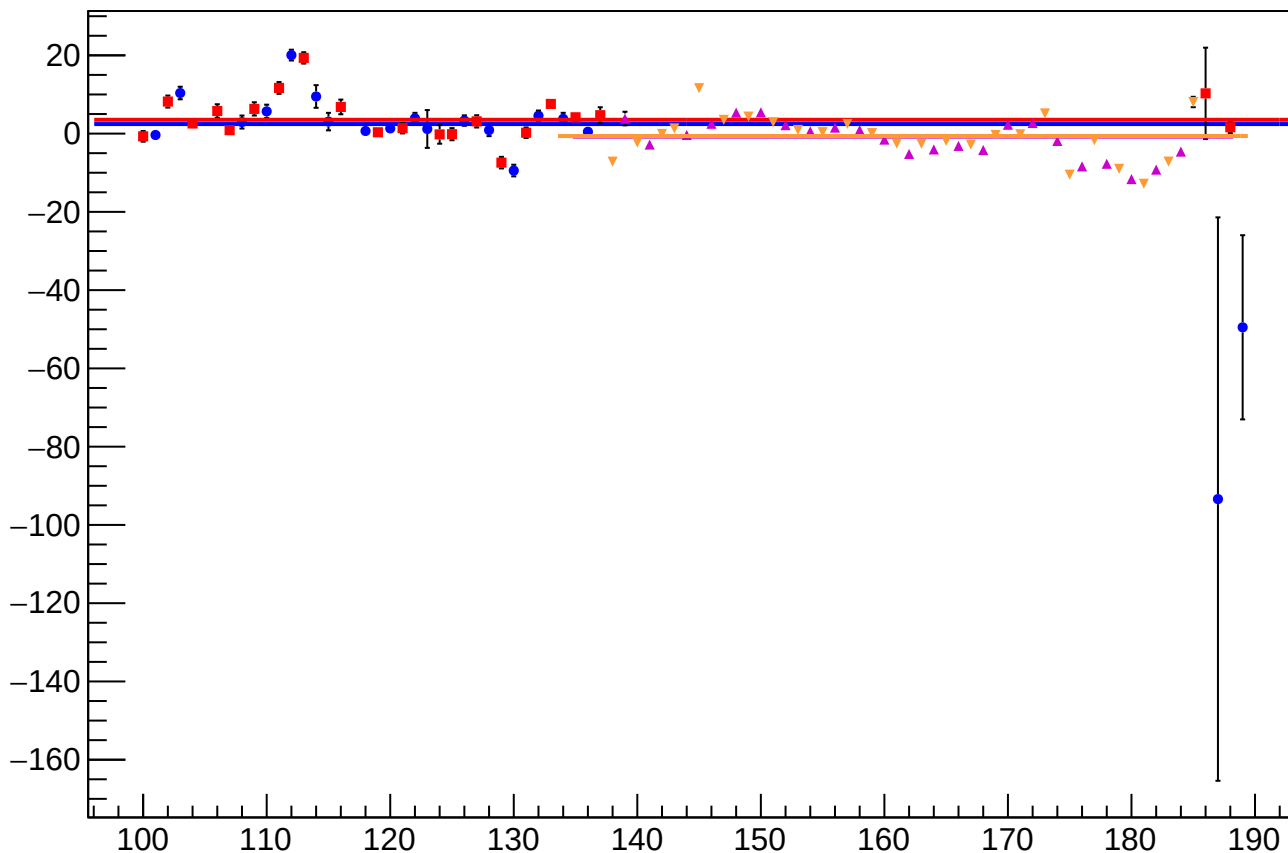
Right: -82.372+/-0.915 χ^2/NDF : 26.9/3

In: -26.205+/-0.194 χ^2/NDF : 3366.4/24

Out: -28.201+/-0.188 χ^2/NDF : 7758.3/26

All: -27.234+/-0.135 χ^2/NDF : 11179.2/51

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.437 ± 0.311 $\chi^2/\text{NDF}: 300.0/18$

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 $\chi^2/\text{NDF}: 2415.4/47$

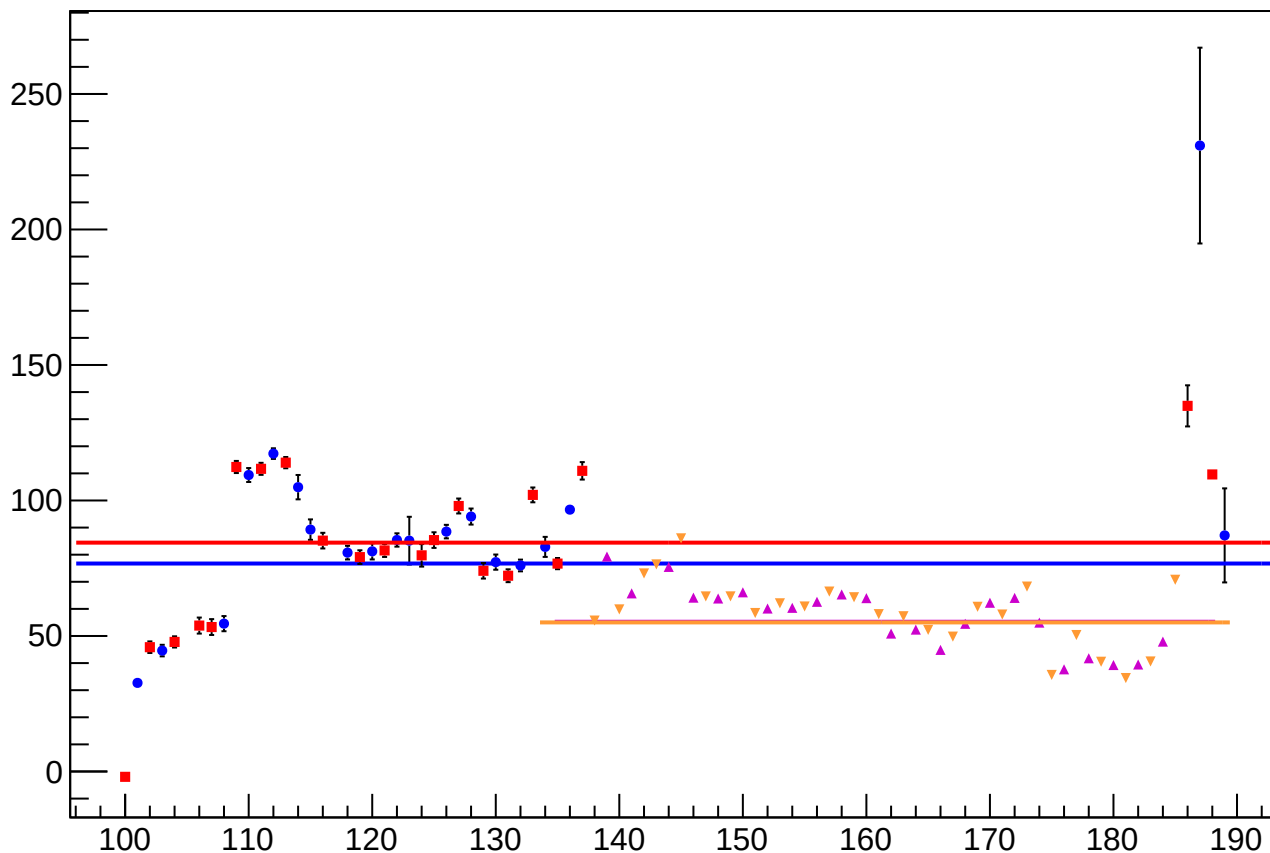
Right: 2.984 ± 0.220 $\chi^2/\text{NDF}: 587.6/39$

In: -0.167 ± 0.135 $\chi^2/\text{NDF}: 1497.7/41$

Out: 0.131 ± 0.133 $\chi^2/\text{NDF}: 1730.8/45$

All: -0.015 ± 0.095 $\chi^2/\text{NDF}: 3231.0/87$

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.737 $\pm$ 0.573 χ^2/NDF : 2283.7/18

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

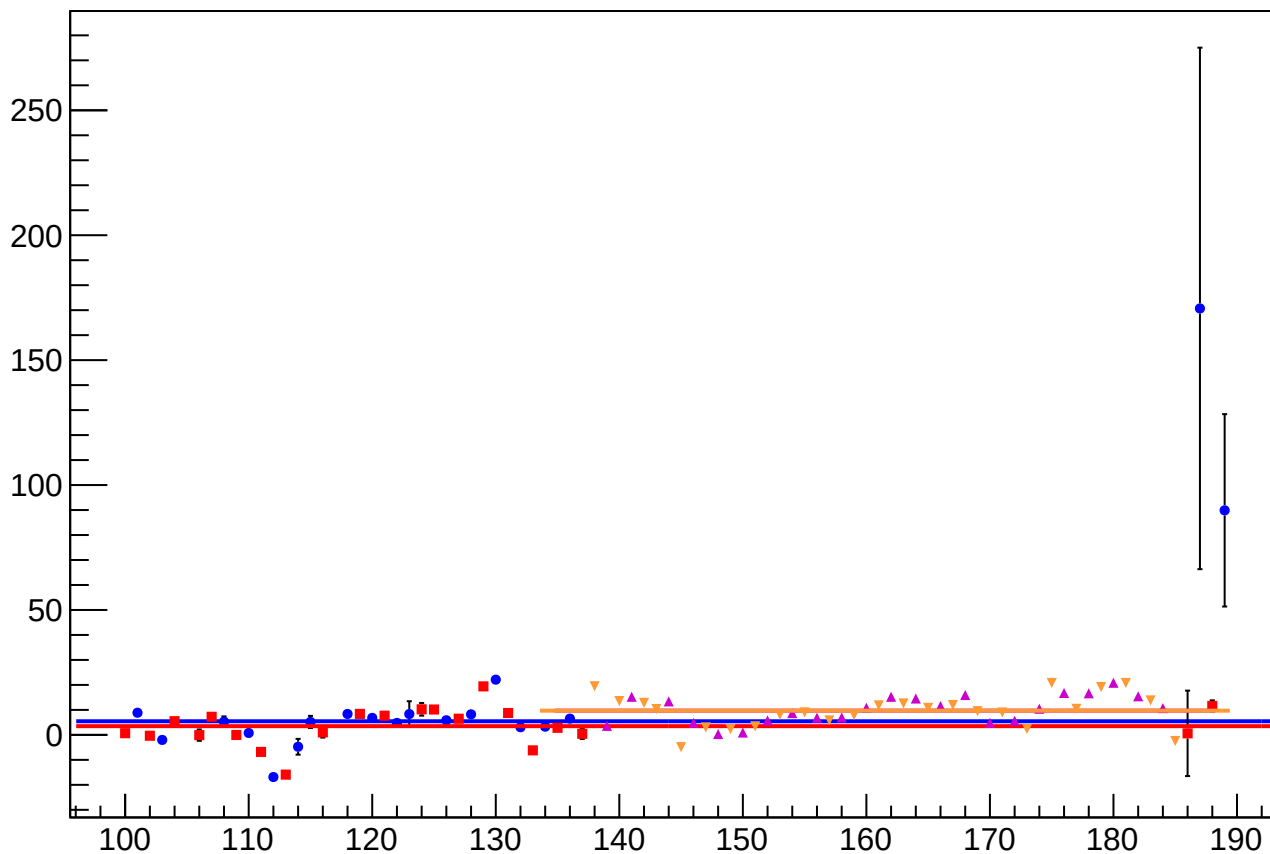
Right: 81.578 $\pm$ 0.350 χ^2/NDF : 8635.3/39

In: 57.438 $\pm$ 0.183 χ^2/NDF : 7331.7/41

Out: 59.695 $\pm$ 0.176 χ^2/NDF : 14484.7/45

All: 58.610 $\pm$ 0.127 χ^2/NDF : 21895.6/87

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.448 $\pm$ 0.357 χ^2 /NDF: 393.3/18

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

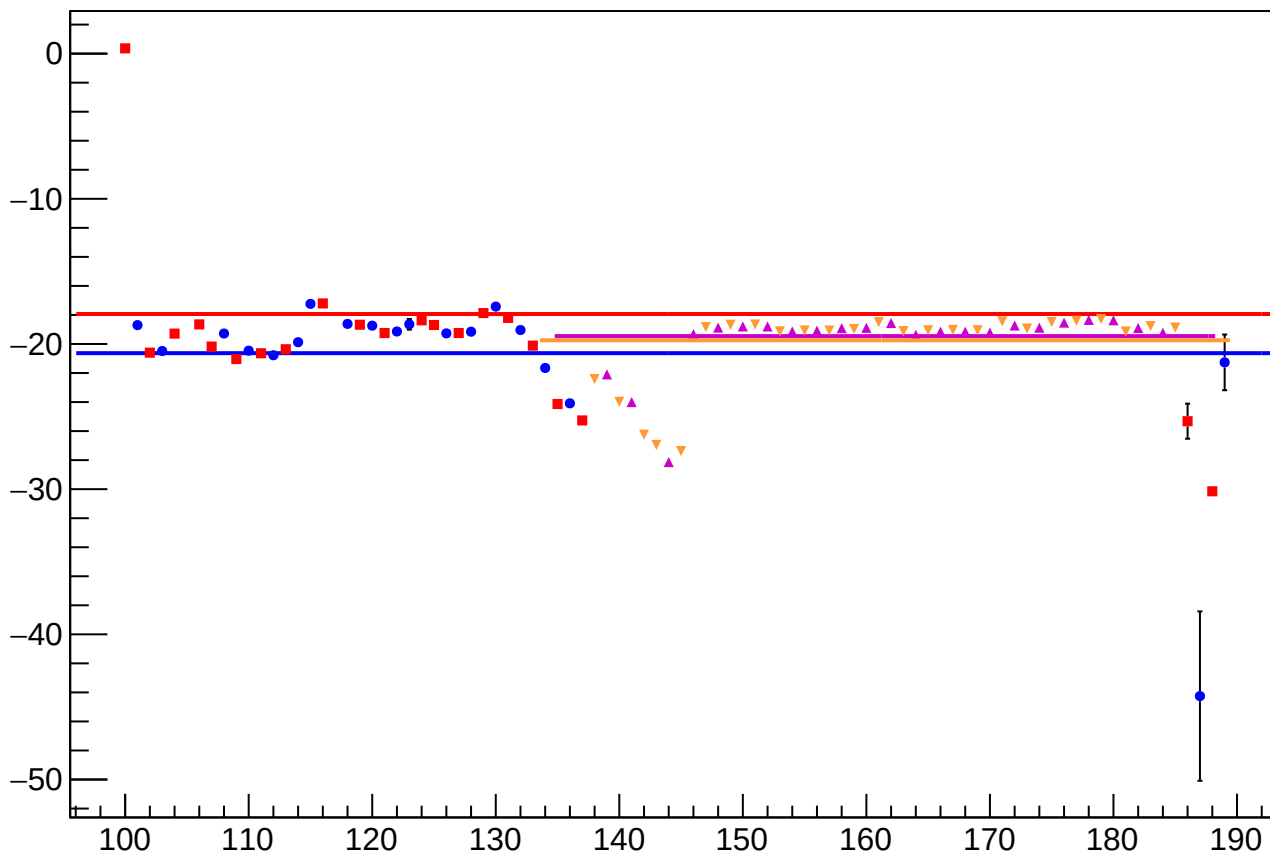
Right: 4.478 $\pm$ 0.254 χ^2 /NDF: 847.4/39

In: 8.912 $\pm$ 0.155 χ^2 /NDF:1706.7/41

Out: 8.582 $\pm$ 0.152 χ^2 /NDF:2122.5/45

All: 8.745 $\pm$ 0.109 χ^2 /NDF: 3831.5/87

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.632 ± 0.019 $\chi^2/\text{NDF}: 12547.3/18$

Left Out: -19.746 ± 0.008 $\chi^2/\text{NDF}: 88374.4/24$

Right Out: -17.936 ± 0.018 $\chi^2/\text{NDF}: 192036.5/20$

Left In: -19.457 ± 0.008 $\chi^2/\text{NDF}: 53995.4/22$

Left: -19.602 ± 0.006 $\chi^2/\text{NDF}: 143036.3/47$

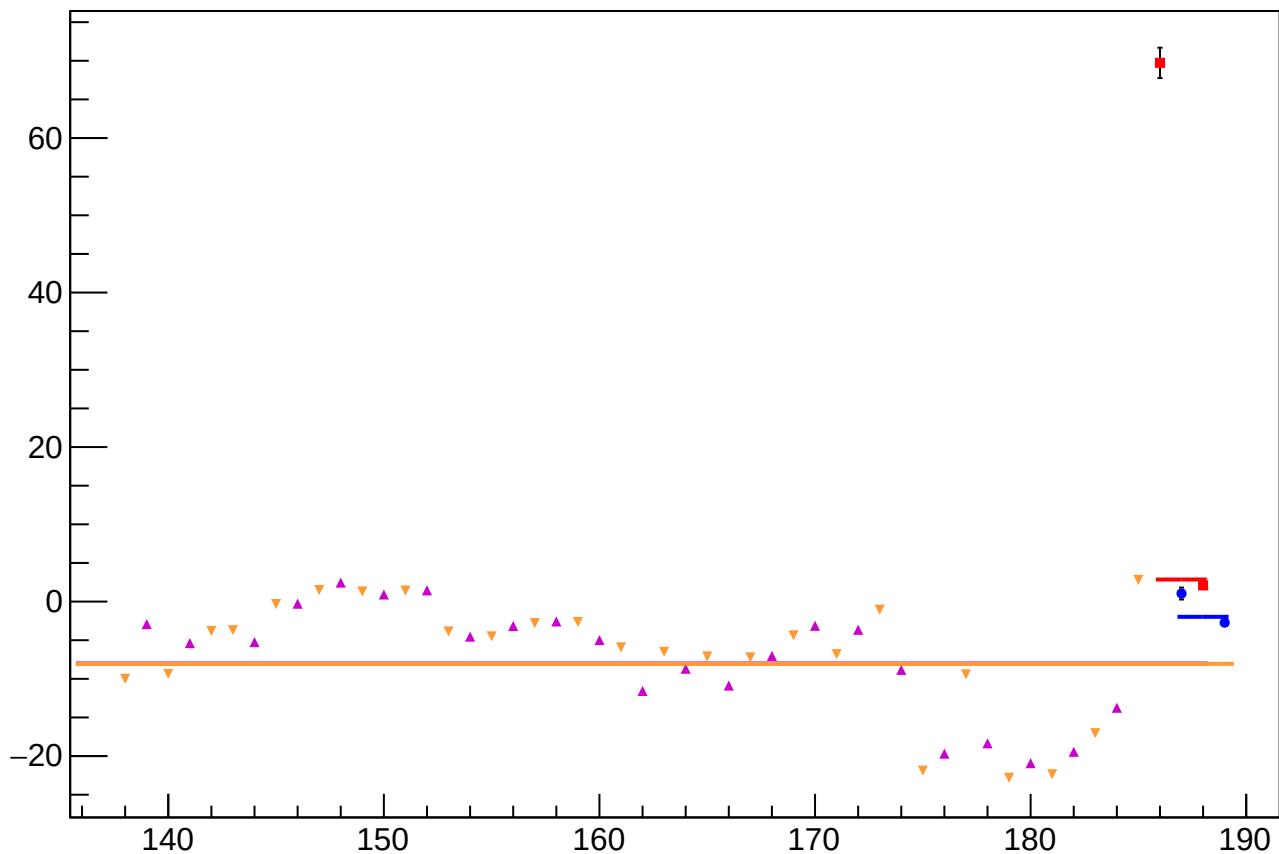
Right: -19.174 ± 0.013 $\chi^2/\text{NDF}: 215149.8/39$

In: -19.627 ± 0.007 $\chi^2/\text{NDF}: 69715.9/41$

Out: -19.447 ± 0.007 $\chi^2/\text{NDF}: 289073.7/45$

All: -19.536 ± 0.005 $\chi^2/\text{NDF}: 359094.9/87$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



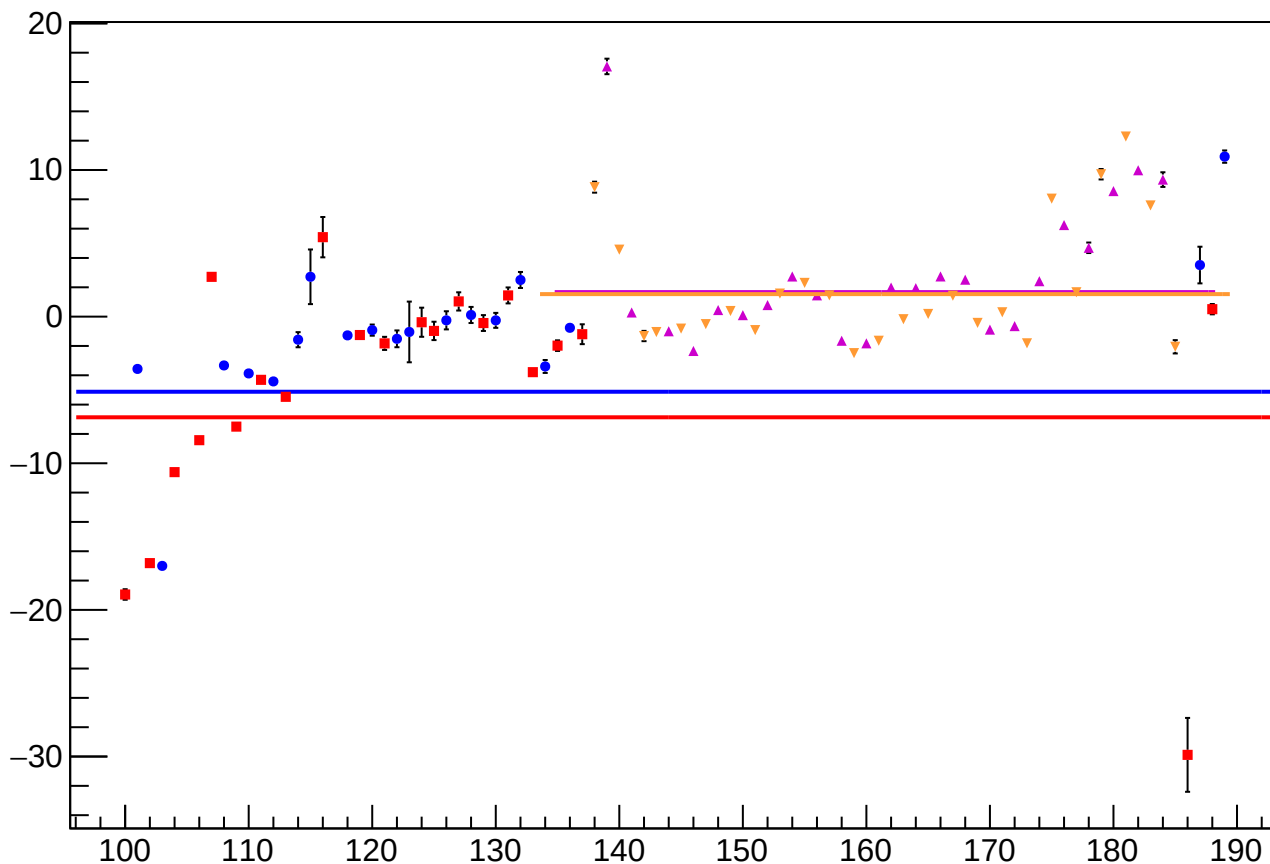
Right In: -1.972 ± 0.344 $\chi^2/\text{NDF}: 19.1/1$
 Left Out: -8.058 ± 0.070 $\chi^2/\text{NDF}: 12532.2/24$
 Right Out: 2.858 ± 0.209 $\chi^2/\text{NDF}: 1169.2/1$
 Left In: -8.010 ± 0.071 $\chi^2/\text{NDF}: 10631.2/22$

Left: -8.034 ± 0.050 $\chi^2/\text{NDF}: 23163.6/47$
 Right: 1.559 ± 0.179 $\chi^2/\text{NDF}: 1332.1/3$

In: -7.761 ± 0.070 $\chi^2/\text{NDF}: 10944.9/24$
 Out: -6.943 ± 0.067 $\chi^2/\text{NDF}: 16154.1/26$

All: -7.333 ± 0.048 $\chi^2/\text{NDF}: 27170.7/51$

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.123 ± 0.054 χ^2/NDF : 10791.3/18

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

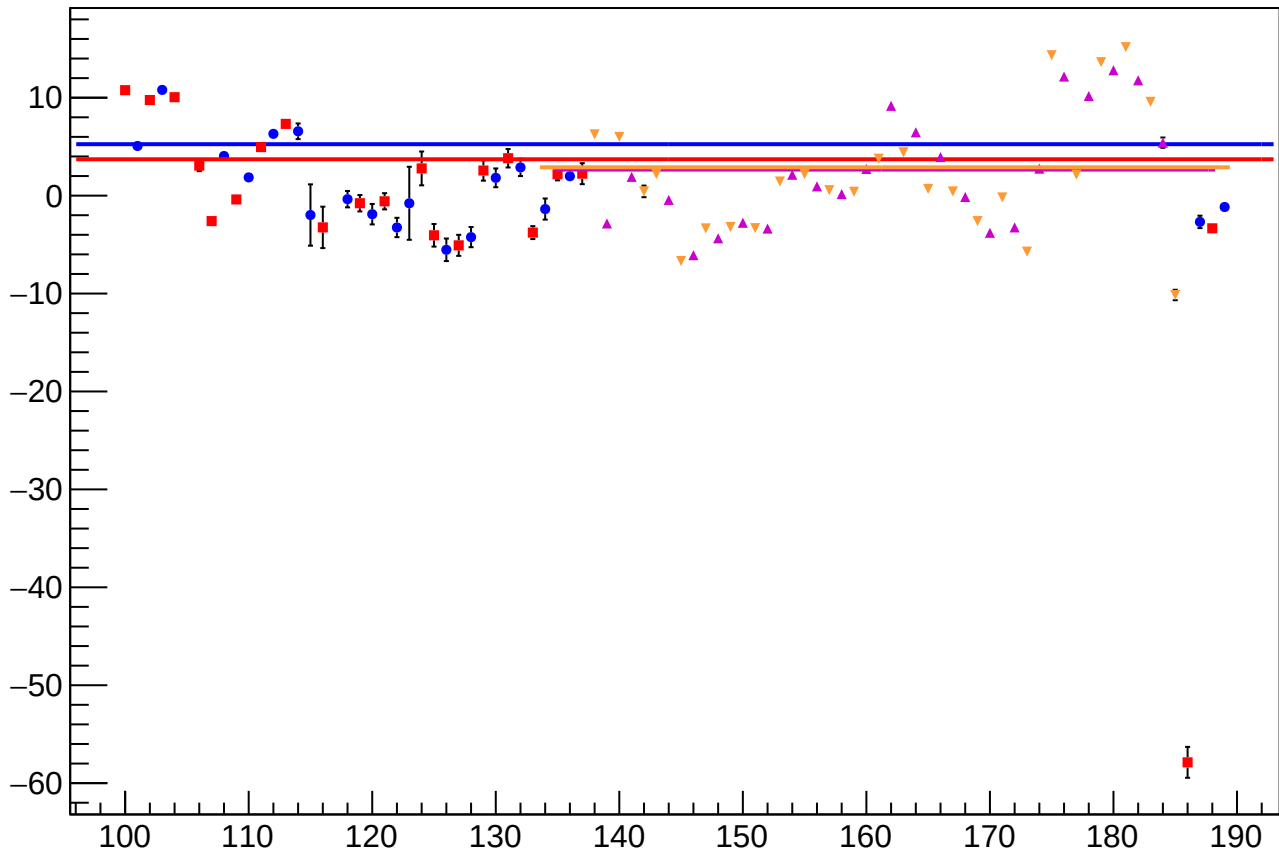
Right: -5.932 ± 0.040 χ^2/NDF : 24134.0/39

In: -1.859 ± 0.039 χ^2/NDF : 22440.4/41

Out: -2.389 ± 0.040 χ^2/NDF : 28777.4/45

All: -2.119 ± 0.028 χ^2/NDF : 51308.1/87

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.253 $\pm$ 0.086 χ^2 /NDF: 1979.2/18

Left Out: 2.891 $\pm$ 0.070 χ^2 /NDF: 8889.4/24

Right Out: 3.711 $\pm$ 0.082 χ^2 /NDF: 6546.3/20

Left In: 2.663 $\pm$ 0.071 χ^2 /NDF: 7308.8/22

Left: 2.778 $\pm$ 0.050 χ^2 /NDF: 16203.4/47

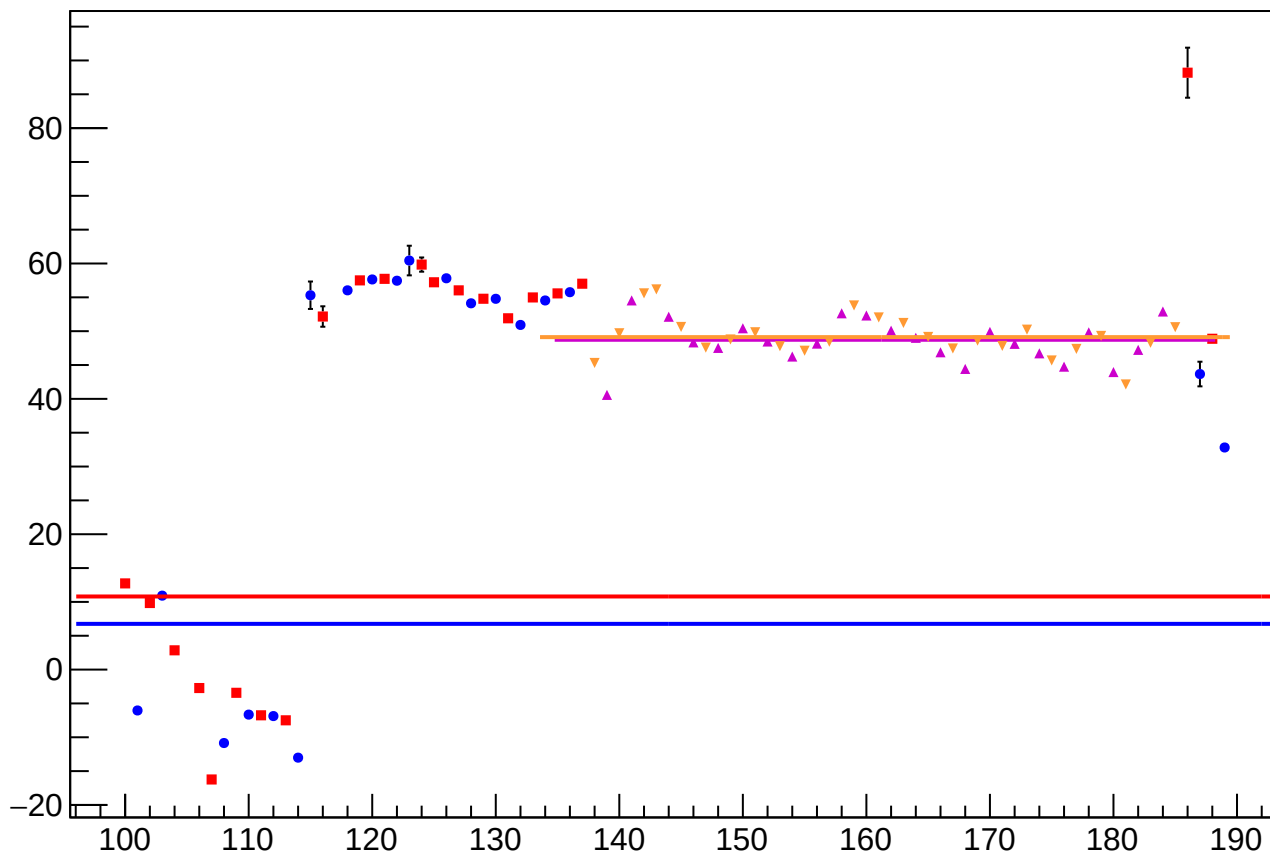
Right: 4.442 $\pm$ 0.059 χ^2 /NDF: 8694.5/39

In: 3.713 $\pm$ 0.055 χ^2 /NDF: 9826.9/41

Out: 3.241 $\pm$ 0.053 χ^2 /NDF: 15493.6/45

All: 3.471 $\pm$ 0.038 χ^2 /NDF: 25358.7/87

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.757 $\pm$ 0.064 χ^2 /NDF: 125655.8/18

Left Out: 49.121 $\pm$ 0.062 χ^2 /NDF:2165.4/24

Right Out: 10.802 $\pm$ 0.069 χ^2 /NDF: 127958.6/20

Left In: 48.731 $\pm$ 0.064 χ^2 /NDF:2117.7/22

Left: 48.931 $\pm$ 0.044 χ^2 /NDF: 4302.5/47

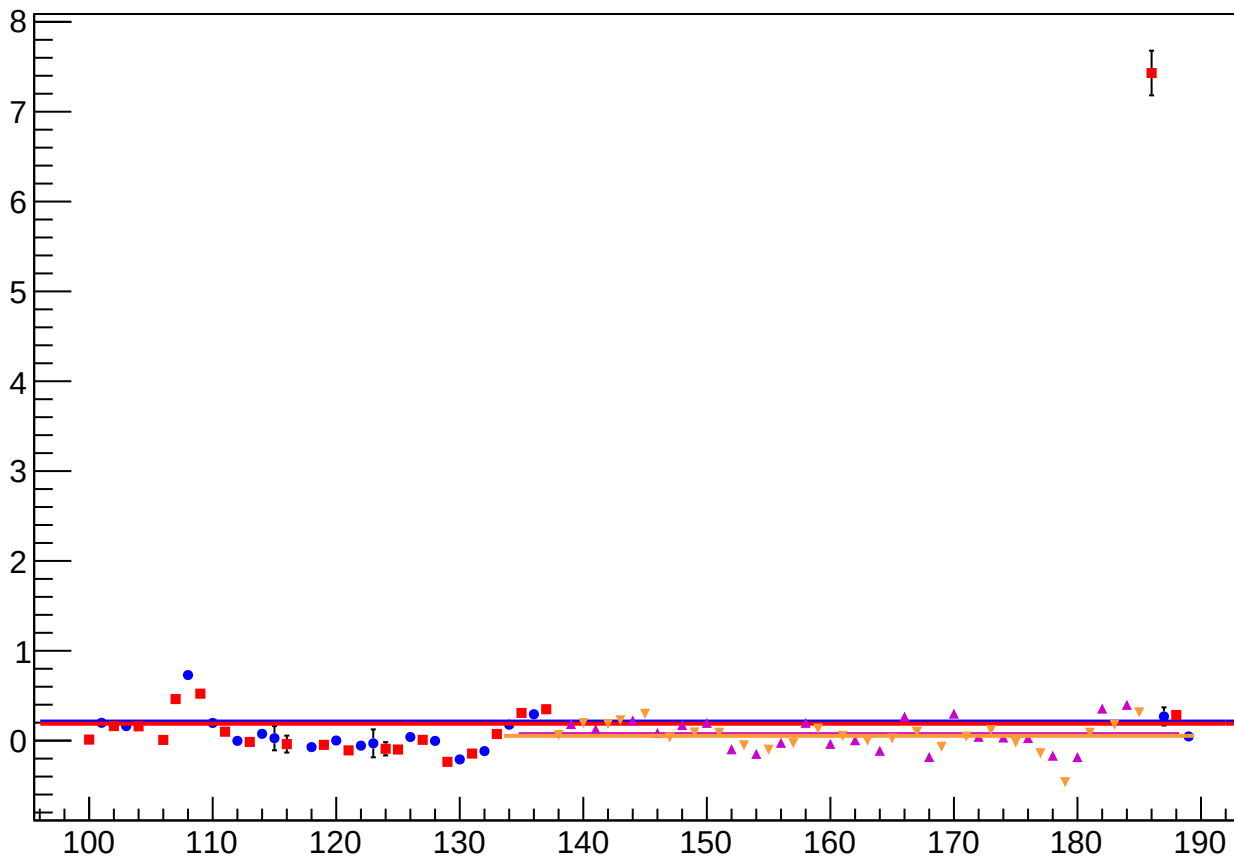
Right: 8.635 $\pm$ 0.047 χ^2 /NDF: 255450.9/39

In: 27.993 $\pm$ 0.045 χ^2 /NDF:343255.3/41

Out: 32.063 $\pm$ 0.046 χ^2 /NDF:300823.2/45

All: 29.988 $\pm$ 0.032 χ^2 /NDF: 648051.3/87

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.212 $\pm$ 0.003 χ^2 /NDF: 3993.3/18

Left Out: 0.053 $\pm$ 0.003 χ^2 /NDF:2369.3/24

Right Out: 0.188 $\pm$ 0.003 χ^2 /NDF: 3587.0/20

Left In: 0.072 $\pm$ 0.003 χ^2 /NDF:3272.0/22

Left: 0.063 $\pm$ 0.002 χ^2 /NDF: 5662.5/47

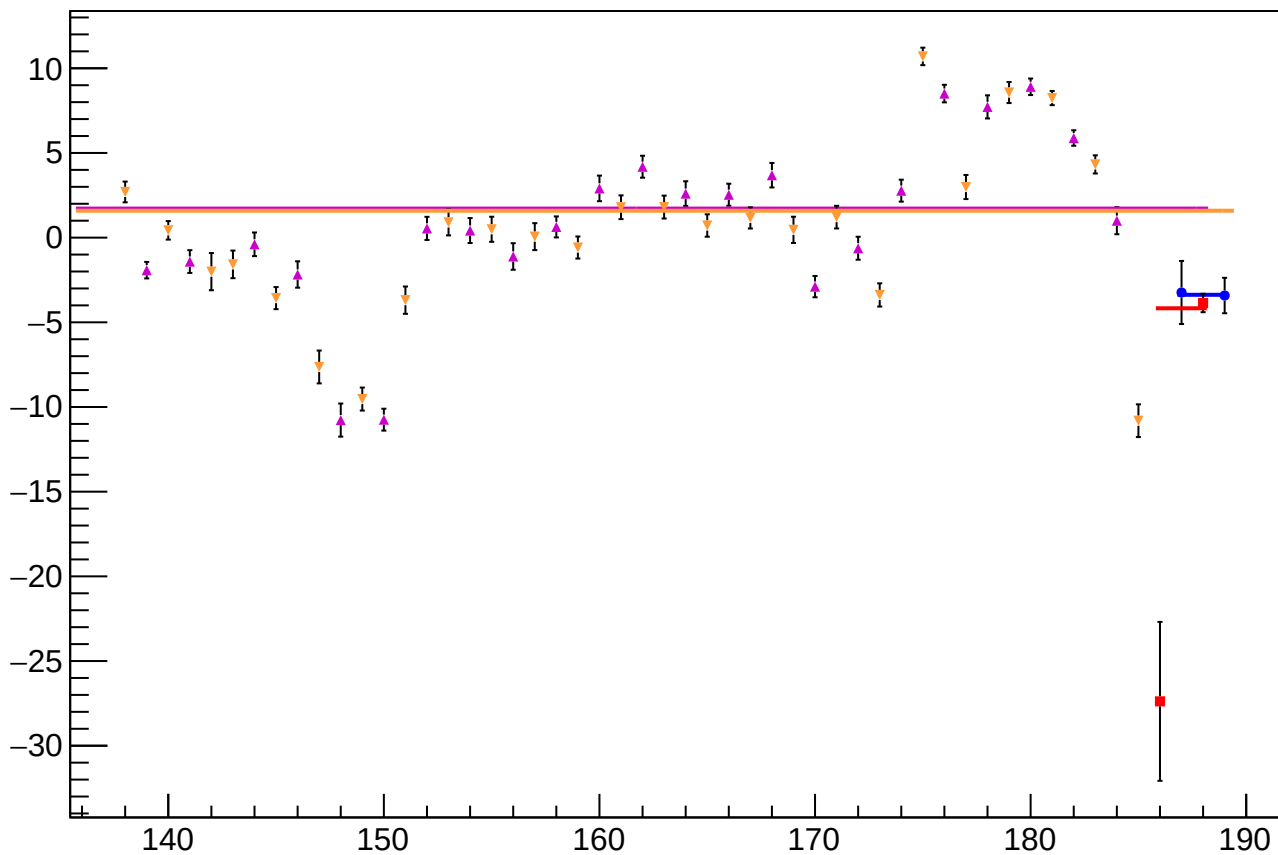
Right: 0.200 $\pm$ 0.002 χ^2 /NDF: 7619.9/39

In: 0.145 $\pm$ 0.002 χ^2 /NDF:8525.2/41

Out: 0.125 $\pm$ 0.002 χ^2 /NDF:7155.3/45

All: 0.134 $\pm$ 0.001 χ^2 /NDF: 15732.1/87

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.376 ± 0.912 χ^2/NDF : 0.0/1

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

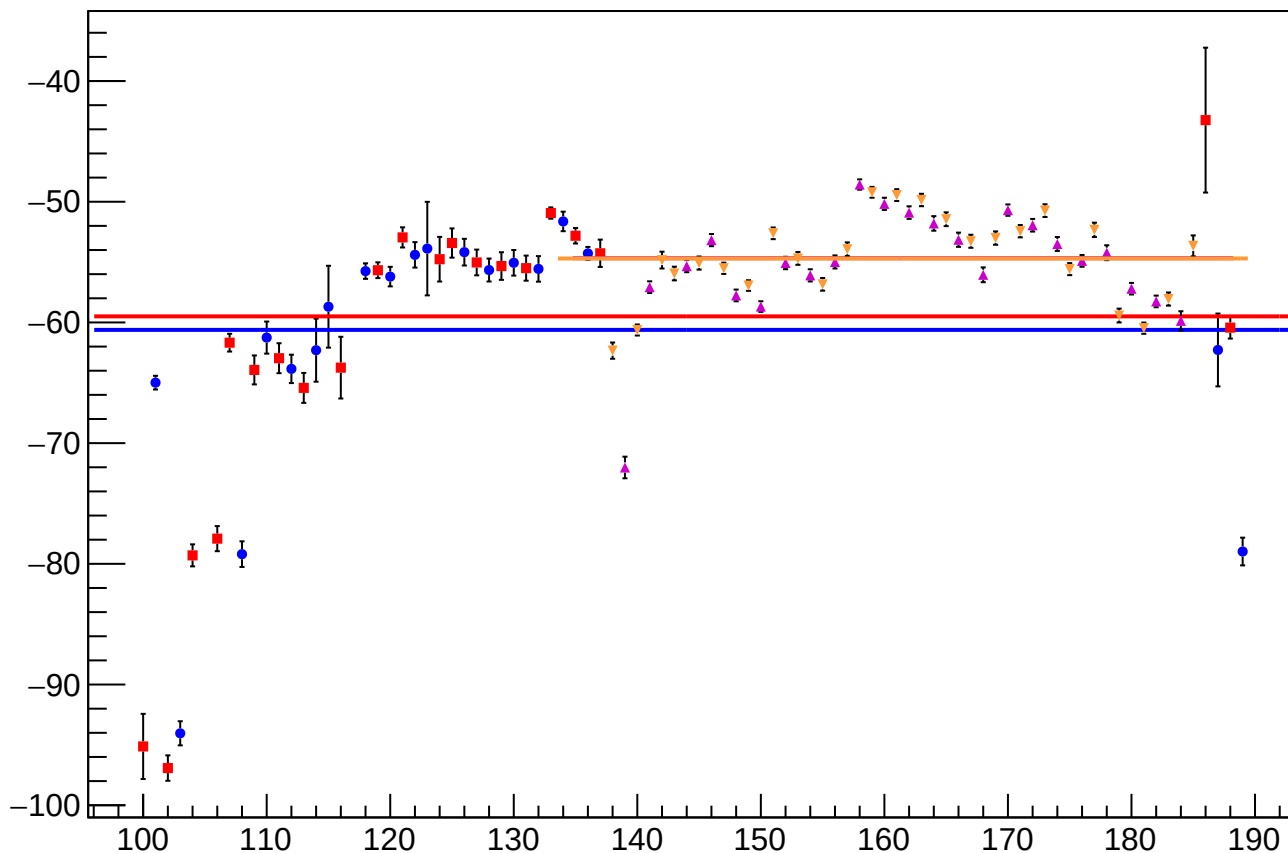
Right: -3.964 ± 0.465 χ^2/NDF : 25.4/3

In: 1.608 ± 0.133 χ^2/NDF : 1344.0/24

Out: 1.261 ± 0.129 χ^2/NDF : 1589.2/26

All: 1.430 ± 0.093 χ^2/NDF : 2936.7/51

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -60.617 ± 0.218 χ^2/NDF : 2245.6/18

Left Out: -54.701 ± 0.106 χ^2/NDF : 1124.5/24

Right Out: -59.498 ± 0.206 χ^2/NDF : 2921.1/20

Left In: -54.677 ± 0.109 χ^2/NDF : 1140.6/22

Left: -54.689 ± 0.076 χ^2/NDF : 2265.1/47

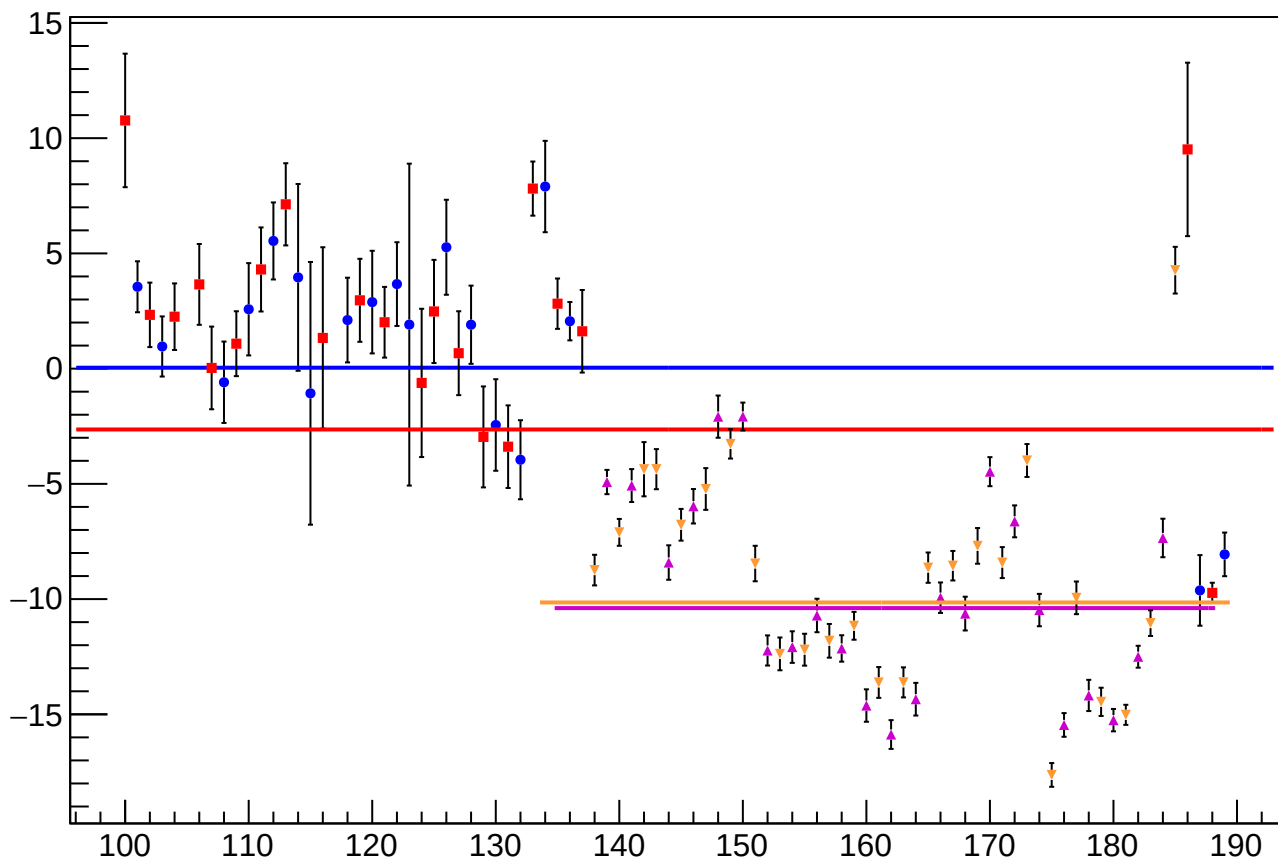
Right: -60.026 ± 0.150 χ^2/NDF : 5180.6/39

In: -55.870 ± 0.098 χ^2/NDF : 3977.7/41

Out: -55.702 ± 0.094 χ^2/NDF : 4472.9/45

All: -55.783 ± 0.068 χ^2/NDF : 8452.2/87

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.040 ± 0.361 χ^2/NDF : 180.3/18

Left Out: -10.146 ± 0.133 χ^2/NDF : 1051.2/24

Right Out: -2.640 ± 0.290 χ^2/NDF : 521.1/20

Left In: -10.391 ± 0.134 χ^2/NDF : 1024.8/22

Left: -10.268 ± 0.094 χ^2/NDF : 2077.6/47

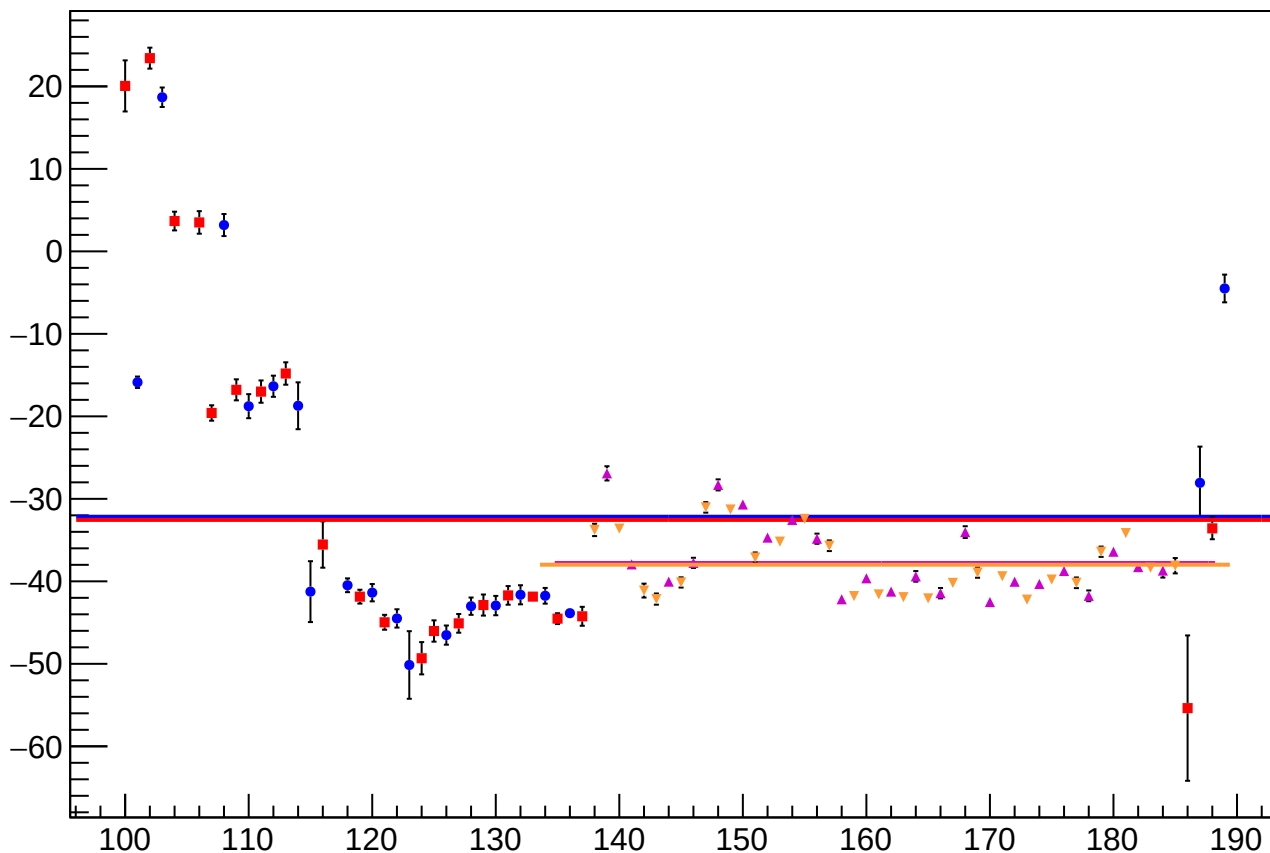
Right: -1.589 ± 0.226 χ^2/NDF : 734.9/39

In: -9.133 ± 0.125 χ^2/NDF : 1938.5/41

Out: -8.841 ± 0.121 χ^2/NDF : 2125.6/45

All: -8.981 ± 0.087 χ^2/NDF : 4067.0/87

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.171 ± 0.251 χ^2/NDF : 4944.9/18

Left Out: -37.983 ± 0.119 χ^2/NDF : 936.9/24

Right Out: -32.554 ± 0.240 χ^2/NDF : 6045.2/20

Left In: -37.784 ± 0.122 χ^2/NDF : 1079.7/22

Left: -37.886 ± 0.085 χ^2/NDF : 2018.0/47

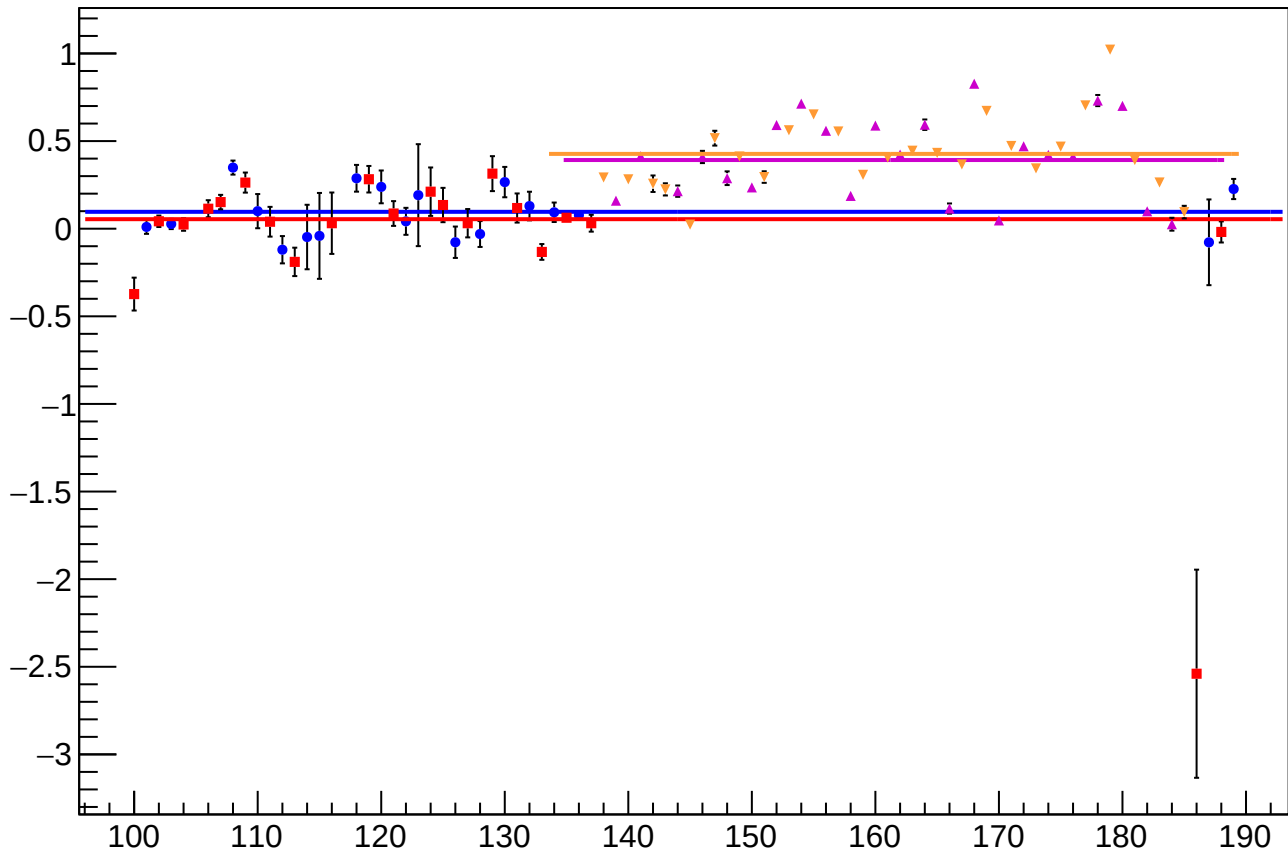
Right: -32.371 ± 0.173 χ^2/NDF : 10991.3/39

In: -36.711 ± 0.110 χ^2/NDF : 6429.8/41

Out: -36.910 ± 0.107 χ^2/NDF : 7393.6/45

All: -36.813 ± 0.076 χ^2/NDF : 13825.1/87

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.096 ± 0.012 χ^2/NDF : 85.1/18

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

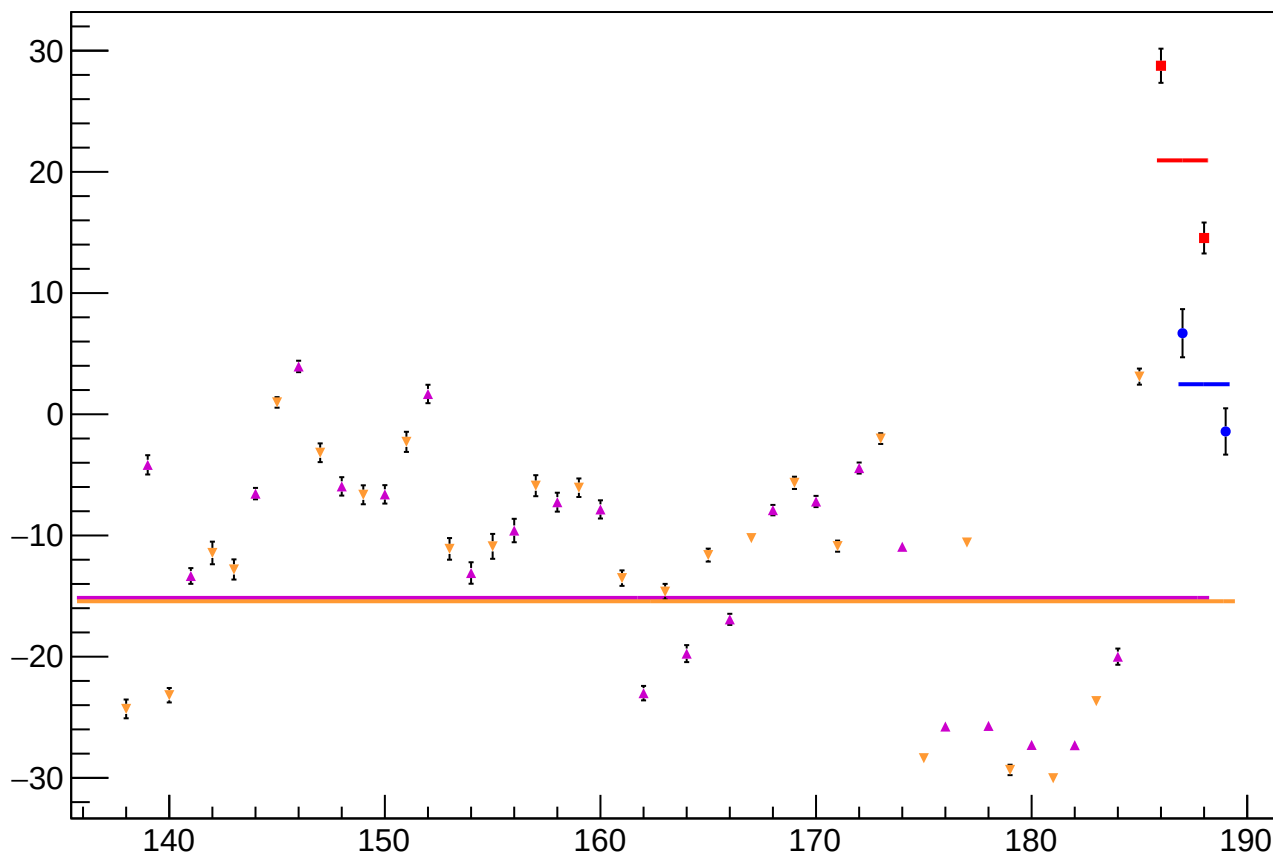
Right: 0.074 ± 0.009 χ^2/NDF : 199.0/39

In: 0.345 ± 0.005 χ^2/NDF : 2398.6/41

Out: 0.364 ± 0.005 χ^2/NDF : 2214.8/45

All: 0.354 ± 0.003 χ^2/NDF : 4620.5/87

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.479 ± 1.377 $\chi^2/\text{NDF}: 8.6/1$

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 $\chi^2/\text{NDF}: 19247.4/47$

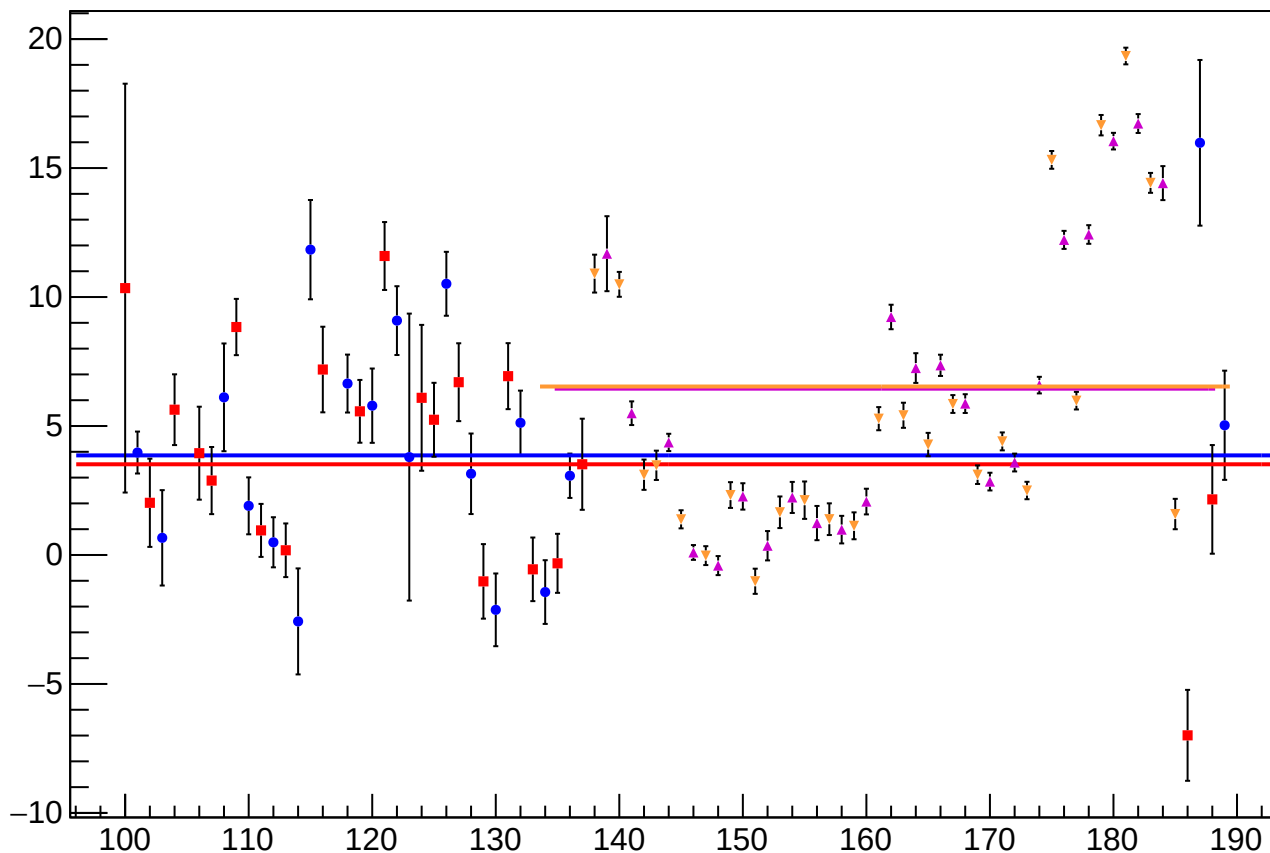
Right: 15.027 ± 0.780 $\chi^2/\text{NDF}: 186.7/3$

In: -15.047 ± 0.106 $\chi^2/\text{NDF}: 8915.8/24$

Out: -14.982 ± 0.105 $\chi^2/\text{NDF}: 12015.5/26$

All: -15.014 ± 0.074 $\chi^2/\text{NDF}: 20931.5/51$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.861 $\pm$ 0.304 χ^2 /NDF: 151.5/18

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

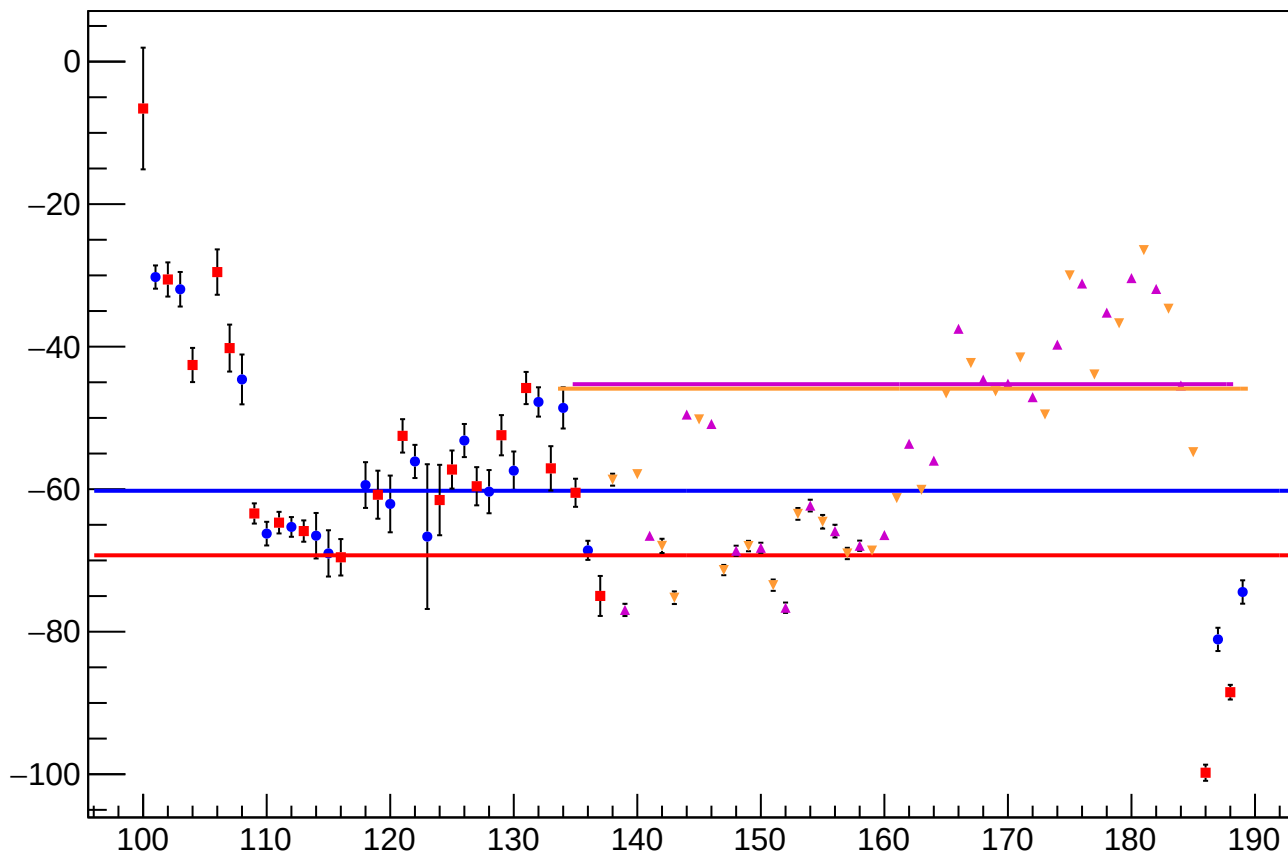
Right: 3.691 $\pm$ 0.216 χ^2 /NDF: 323.8/39

In: 6.257 $\pm$ 0.083 χ^2 /NDF:4174.2/41

Out: 6.315 $\pm$ 0.082 χ^2 /NDF:5230.2/45

All: 6.286 $\pm$ 0.058 χ^2 /NDF: 9404.7/87

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -60.224 ± 0.491 $\chi^2/\text{NDF}: 875.7/18$

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 $\chi^2/\text{NDF}: 32927.0/47$

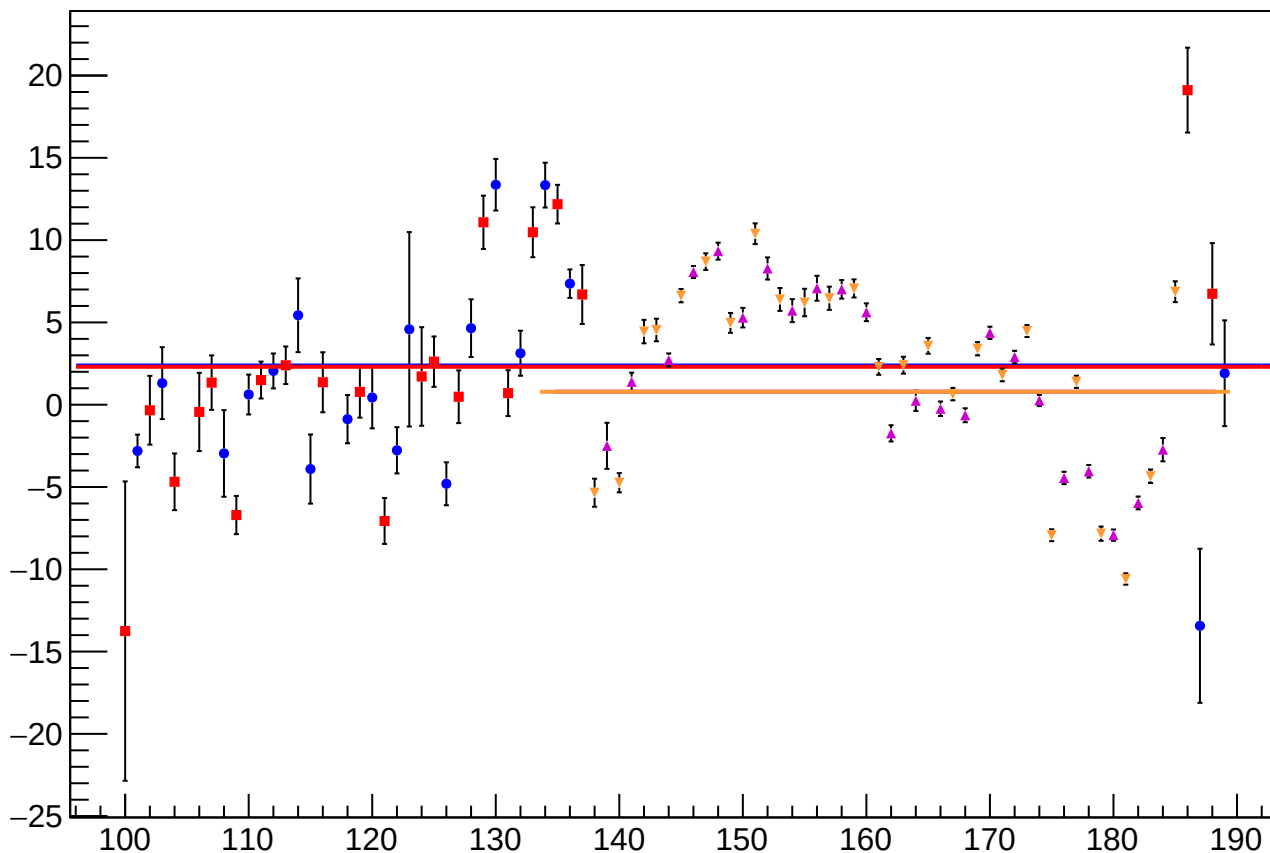
Right: -65.262 ± 0.327 $\chi^2/\text{NDF}: 3117.8/39$

In: -45.944 ± 0.104 $\chi^2/\text{NDF}: 17538.1/41$

Out: -47.197 ± 0.103 $\chi^2/\text{NDF}: 21873.9/45$

All: -46.576 ± 0.073 $\chi^2/\text{NDF}: 39484.8/87$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.381 ± 0.343 χ^2/NDF : 255.1/18

Left Out: 0.787 ± 0.096 χ^2/NDF : 3746.7/24

Right Out: 2.305 ± 0.349 χ^2/NDF : 312.3/20

Left In: 0.791 ± 0.096 χ^2/NDF : 2697.7/22

Left: 0.789 ± 0.068 χ^2/NDF : 6444.4/47

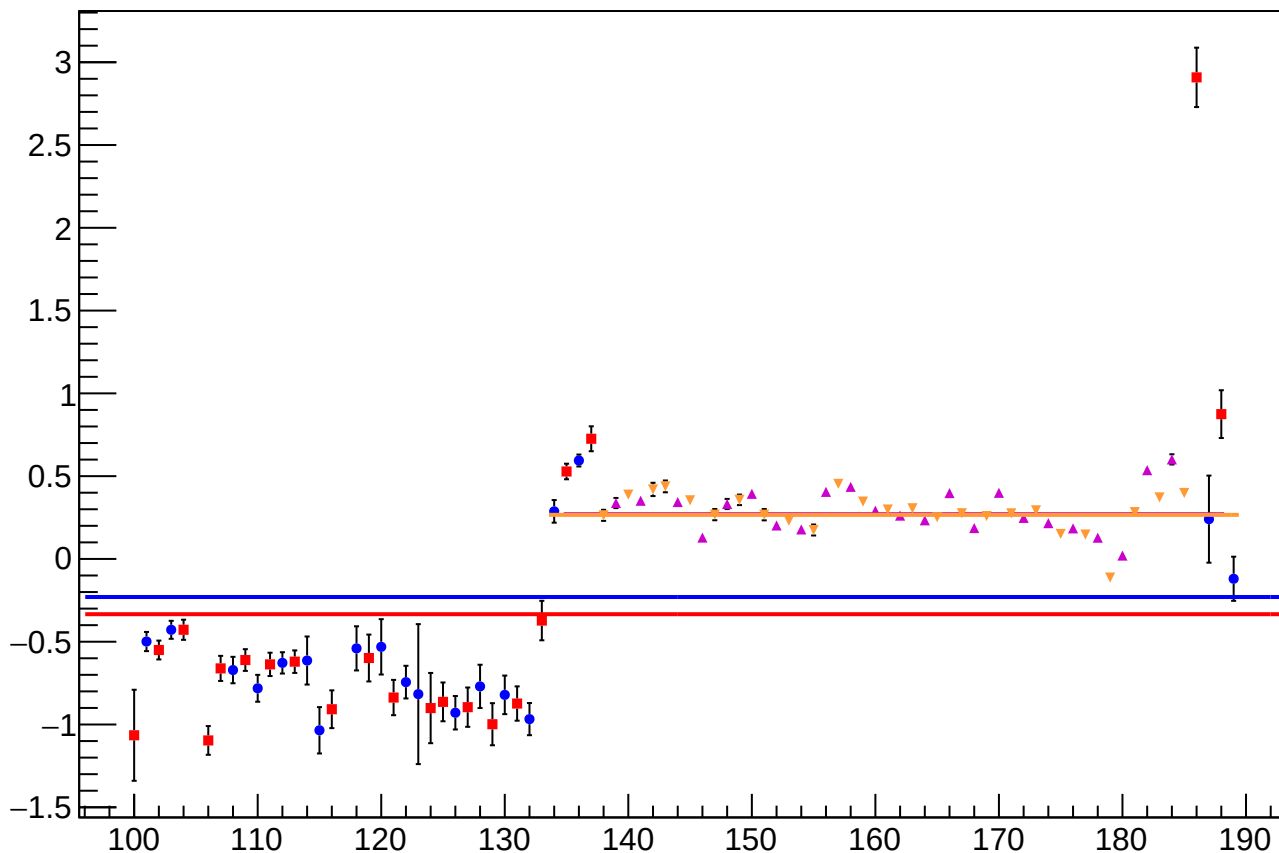
Right: 2.344 ± 0.245 χ^2/NDF : 567.4/39

In: 0.907 ± 0.093 χ^2/NDF : 2972.7/41

Out: 0.892 ± 0.092 χ^2/NDF : 4076.6/45

All: 0.900 ± 0.065 χ^2/NDF : 7049.3/87

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.230 ± 0.019 χ^2/NDF : 962.4/18

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

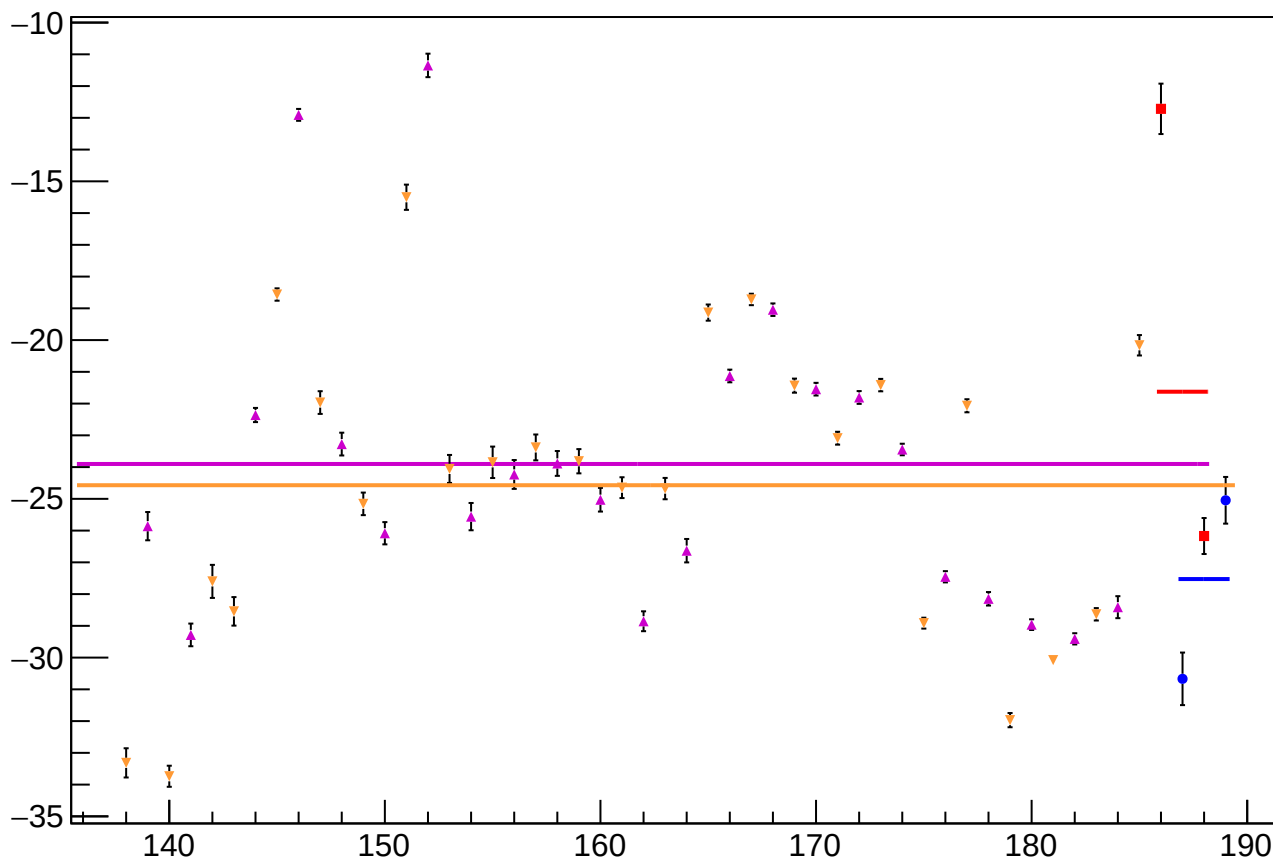
Right: -0.282 ± 0.013 χ^2/NDF : 2237.0/39

In: 0.244 ± 0.004 χ^2/NDF : 2618.4/41

Out: 0.235 ± 0.004 χ^2/NDF : 2934.8/45

All: 0.240 ± 0.003 χ^2/NDF : 5555.2/87

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -27.526 ± 0.550 χ^2/NDF : 25.8/1

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

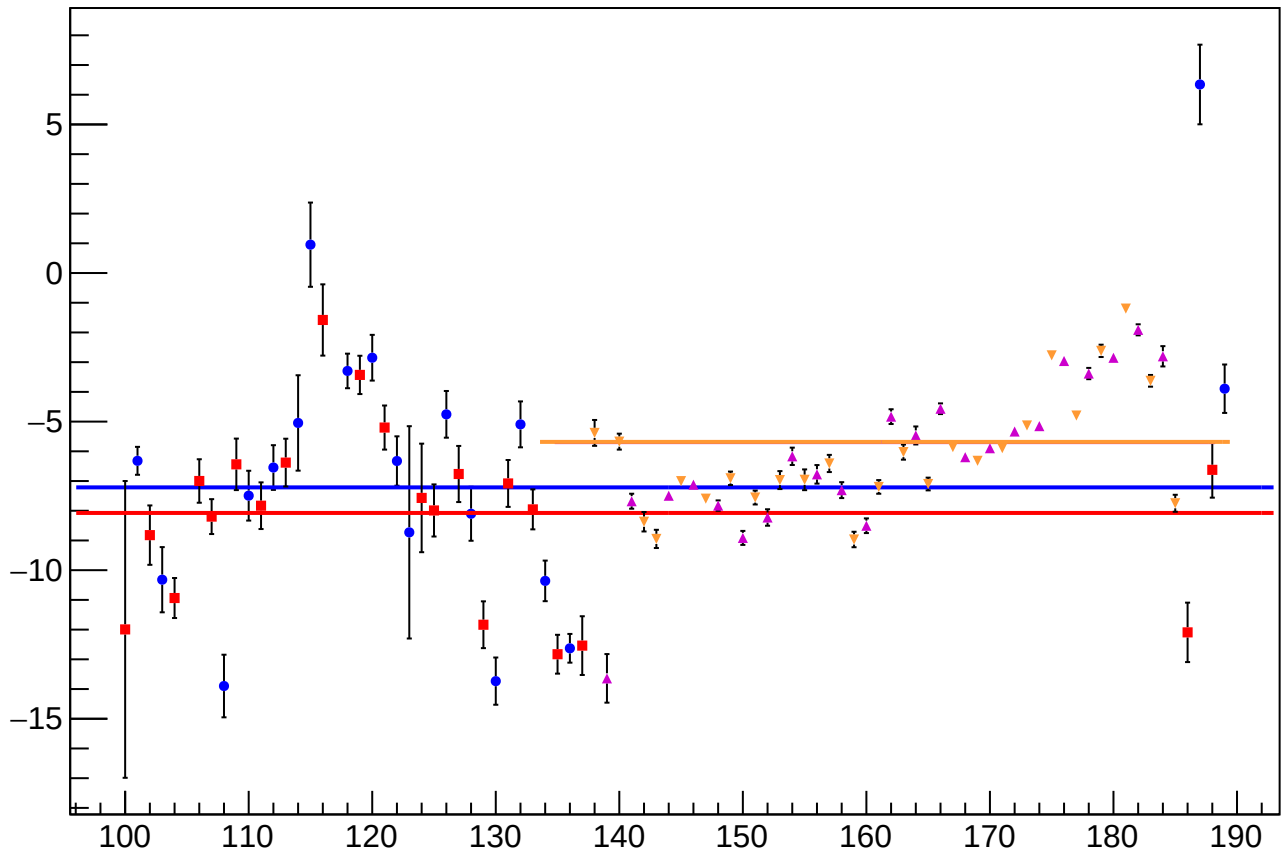
Right: -24.064 ± 0.353 χ^2/NDF : 283.7/3

In: -23.933 ± 0.051 χ^2/NDF : 9227.8/24

Out: -24.535 ± 0.051 χ^2/NDF : 8840.5/26

All: -24.234 ± 0.036 χ^2/NDF : 18139.1/51

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.214 ± 0.179 $\chi^2/\text{NDF}: 518.0/18$

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 $\chi^2/\text{NDF}: 4559.2/47$

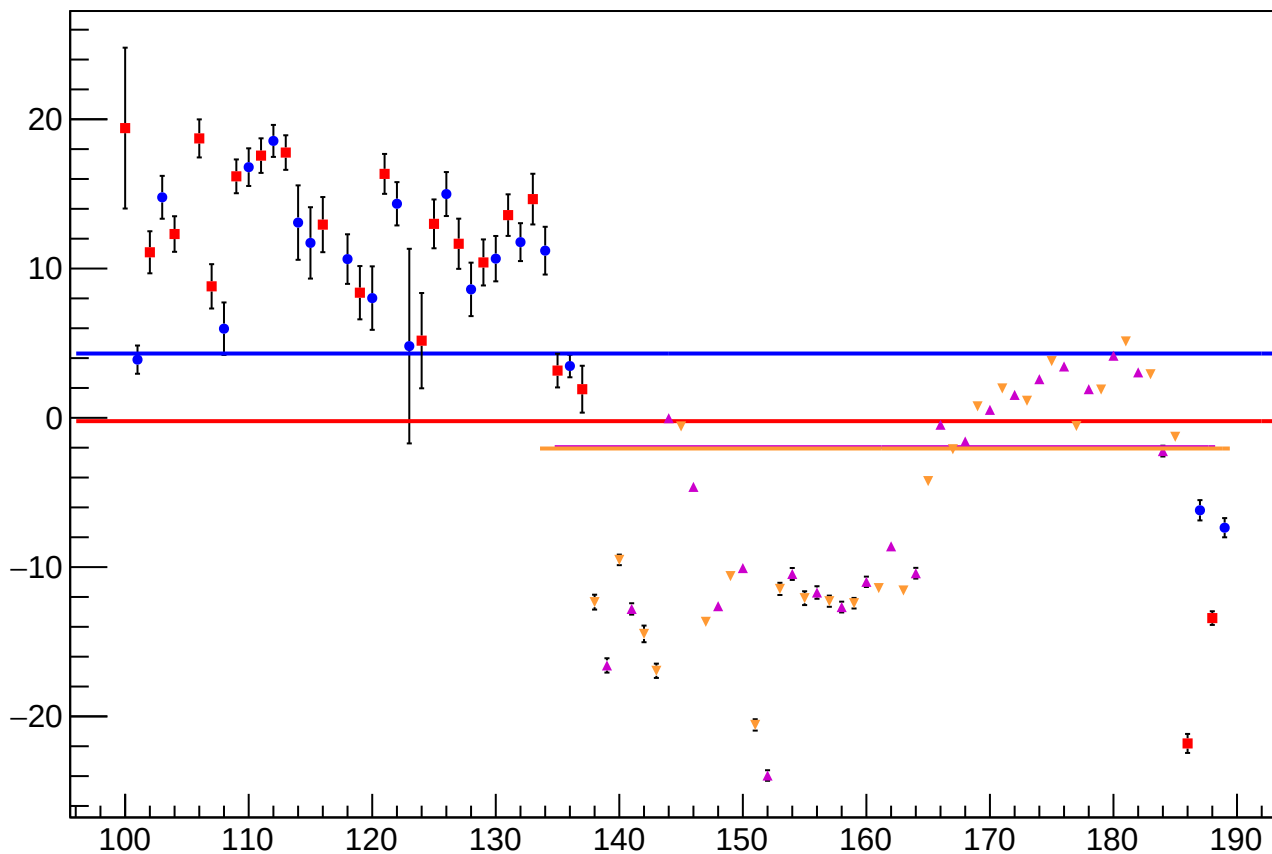
Right: -7.644 ± 0.127 $\chi^2/\text{NDF}: 773.8/39$

In: -5.764 ± 0.040 $\chi^2/\text{NDF}: 2914.9/41$

Out: -5.802 ± 0.040 $\chi^2/\text{NDF}: 2644.1/45$

All: -5.783 ± 0.028 $\chi^2/\text{NDF}: 5559.5/87$

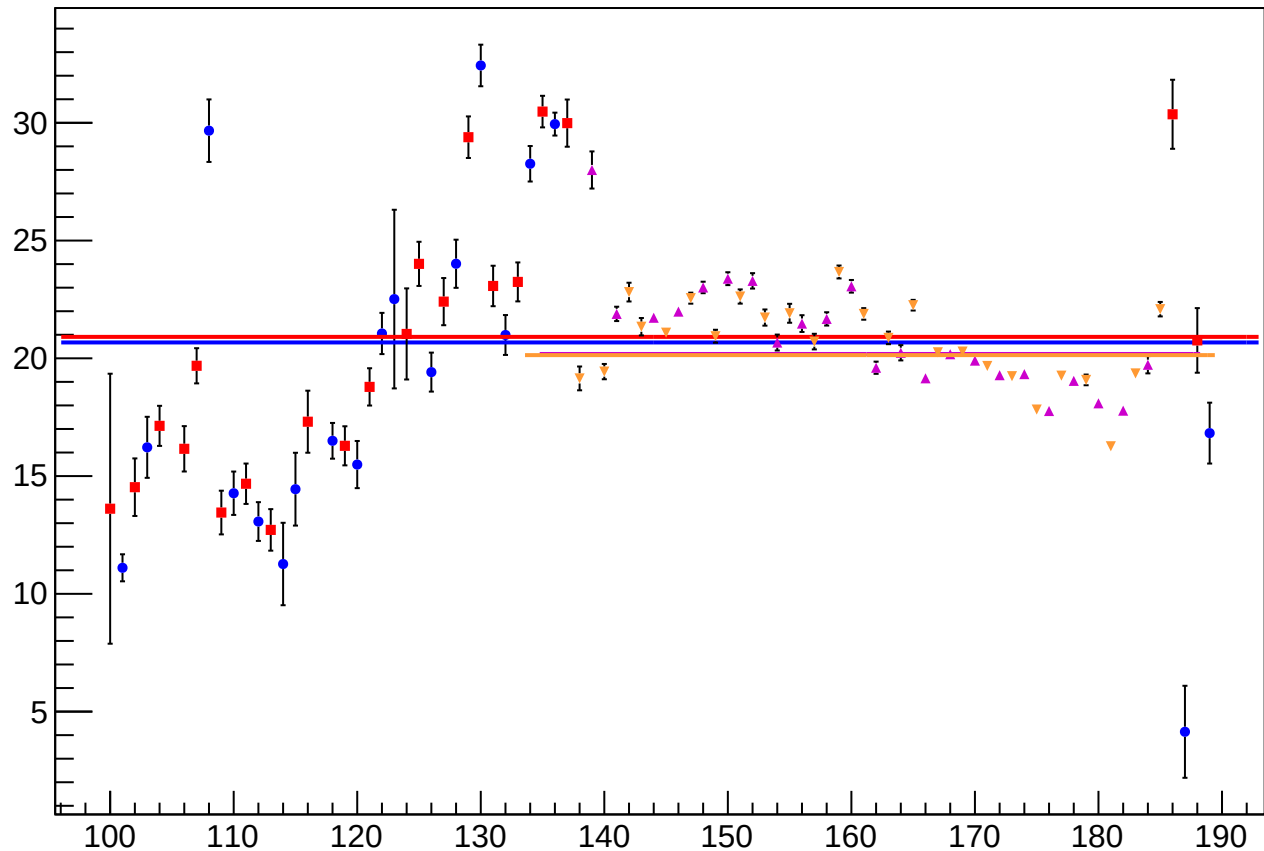
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.307 ± 0.273 $\chi^2/\text{NDF}: 1113.4/18$
 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: 1.821 ± 0.184 $\chi^2/\text{NDF}: 4956.4/39$
 In: -1.751 ± 0.050 $\chi^2/\text{NDF}: 17115.1/41$
 Out: -1.979 ± 0.050 $\chi^2/\text{NDF}: 19787.0/45$
 All: -1.865 ± 0.036 $\chi^2/\text{NDF}: 36912.4/87$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.674 $\pm$ 0.206 χ^2 /NDF: 1307.9/18

Left Out: 20.136 $\pm$ 0.046 χ^2 /NDF:1414.2/24

Right Out: 20.911 $\pm$ 0.208 χ^2 /NDF: 772.3/20

Left In: 20.184 $\pm$ 0.046 χ^2 /NDF:1470.7/22

Left: 20.160 $\pm$ 0.032 χ^2 /NDF: 2885.5/47

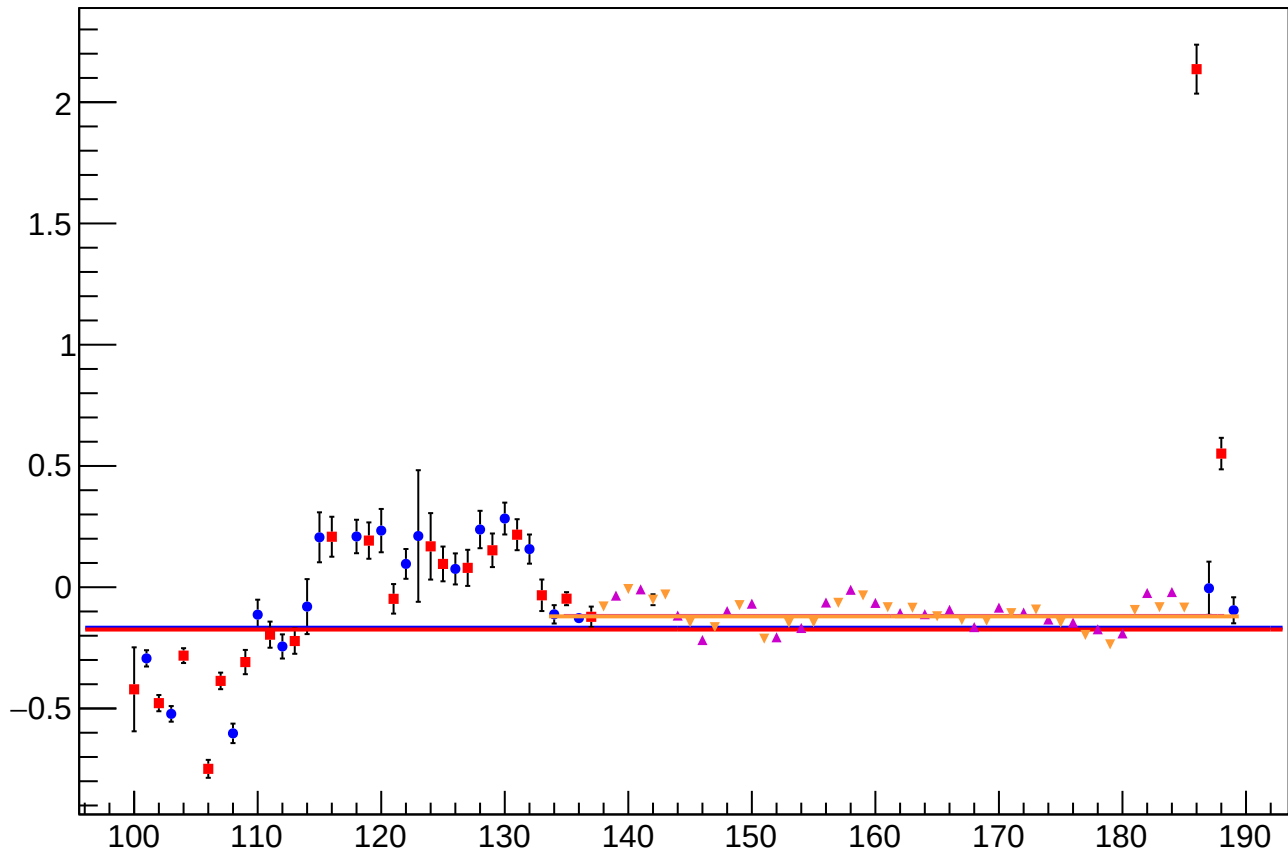
Right: 20.791 $\pm$ 0.146 χ^2 /NDF: 2080.9/39

In: 20.207 $\pm$ 0.045 χ^2 /NDF:2784.0/41

Out: 20.172 $\pm$ 0.045 χ^2 /NDF:2199.8/45

All: 20.190 $\pm$ 0.032 χ^2 /NDF: 4984.1/87

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.167 ± 0.011 $\chi^2/\text{NDF}: 468.4/18$

Left Out: -0.120 ± 0.002 $\chi^2/\text{NDF}: 532.4/24$

Right Out: -0.175 ± 0.011 $\chi^2/\text{NDF}: 1203.7/20$

Left In: -0.118 ± 0.002 $\chi^2/\text{NDF}: 727.5/22$

Left: -0.119 ± 0.001 $\chi^2/\text{NDF}: 1260.2/47$

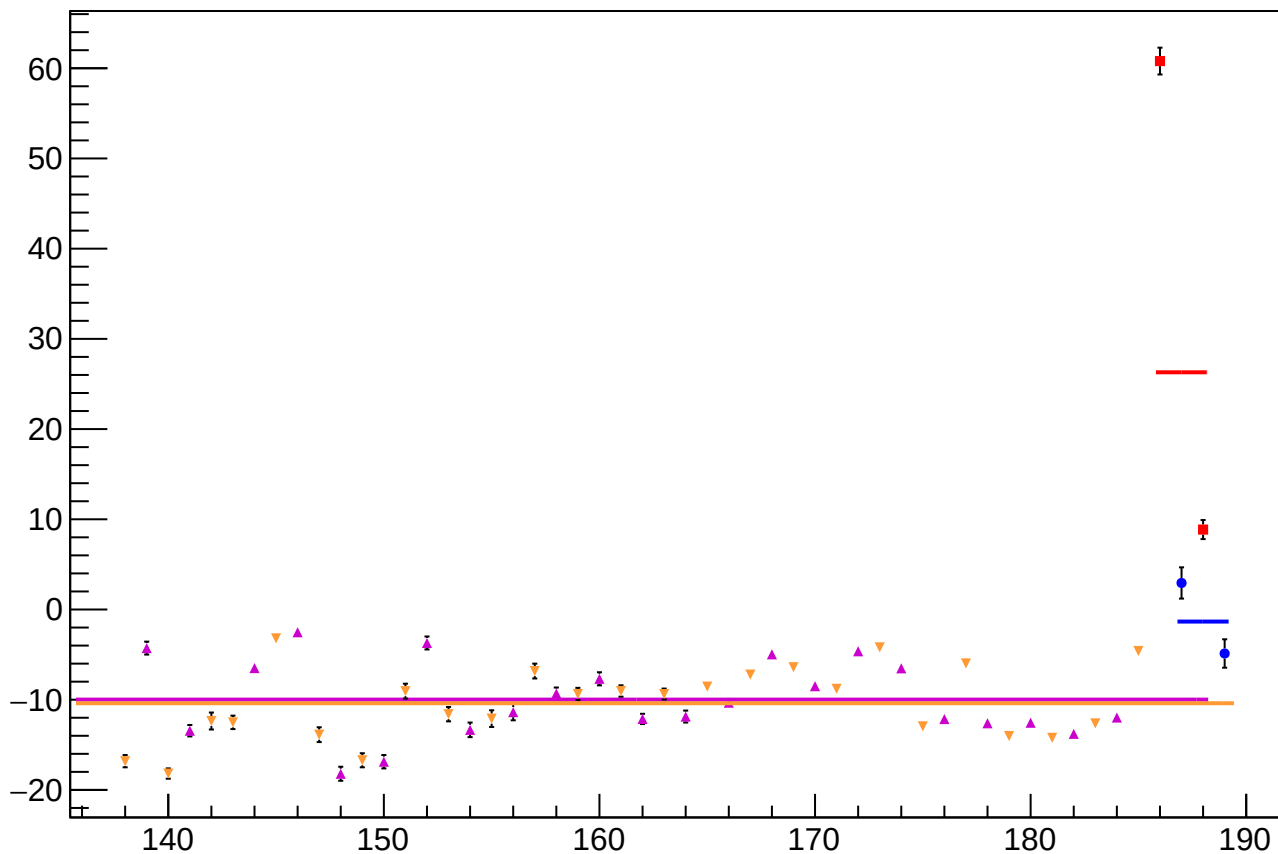
Right: -0.171 ± 0.008 $\chi^2/\text{NDF}: 1672.4/39$

In: -0.120 ± 0.002 $\chi^2/\text{NDF}: 1214.9/41$

Out: -0.122 ± 0.002 $\chi^2/\text{NDF}: 1760.9/45$

All: -0.121 ± 0.001 $\chi^2/\text{NDF}: 2976.3/87$

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.338 ± 1.166 $\chi^2/\text{NDF}: 11.1/1$

Left Out: -10.392 ± 0.088 $\chi^2/\text{NDF}: 2112.5/24$

Right Out: 26.294 ± 0.861 $\chi^2/\text{NDF}: 810.7/1$

Left In: -9.990 ± 0.089 $\chi^2/\text{NDF}: 1794.2/22$

Left: -10.194 ± 0.063 $\chi^2/\text{NDF}: 3917.0/47$

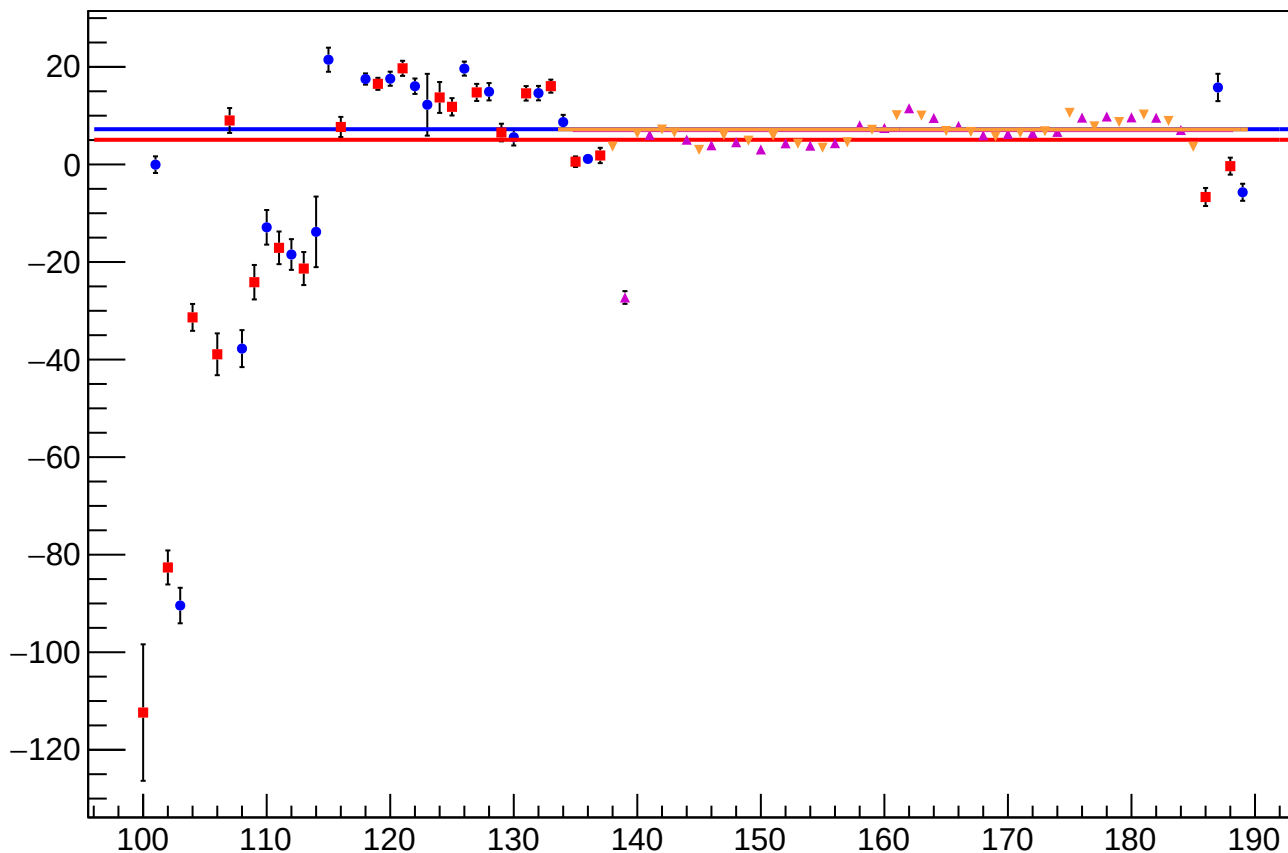
Right: 16.535 ± 0.693 $\chi^2/\text{NDF}: 1185.4/3$

In: -9.940 ± 0.089 $\chi^2/\text{NDF}: 1860.1/24$

Out: -10.014 ± 0.087 $\chi^2/\text{NDF}: 4718.7/26$

All: -9.977 ± 0.062 $\chi^2/\text{NDF}: 6579.1/51$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.227 ± 0.389 $\chi^2/\text{NDF}: 1424.1/18$

Left Out: 7.187 ± 0.074 $\chi^2/\text{NDF}: 916.3/24$

Right Out: 5.058 ± 0.411 $\chi^2/\text{NDF}: 1567.1/20$

Left In: 7.043 ± 0.074 $\chi^2/\text{NDF}: 1604.6/22$

Left: 7.115 ± 0.052 $\chi^2/\text{NDF}: 2522.8/47$

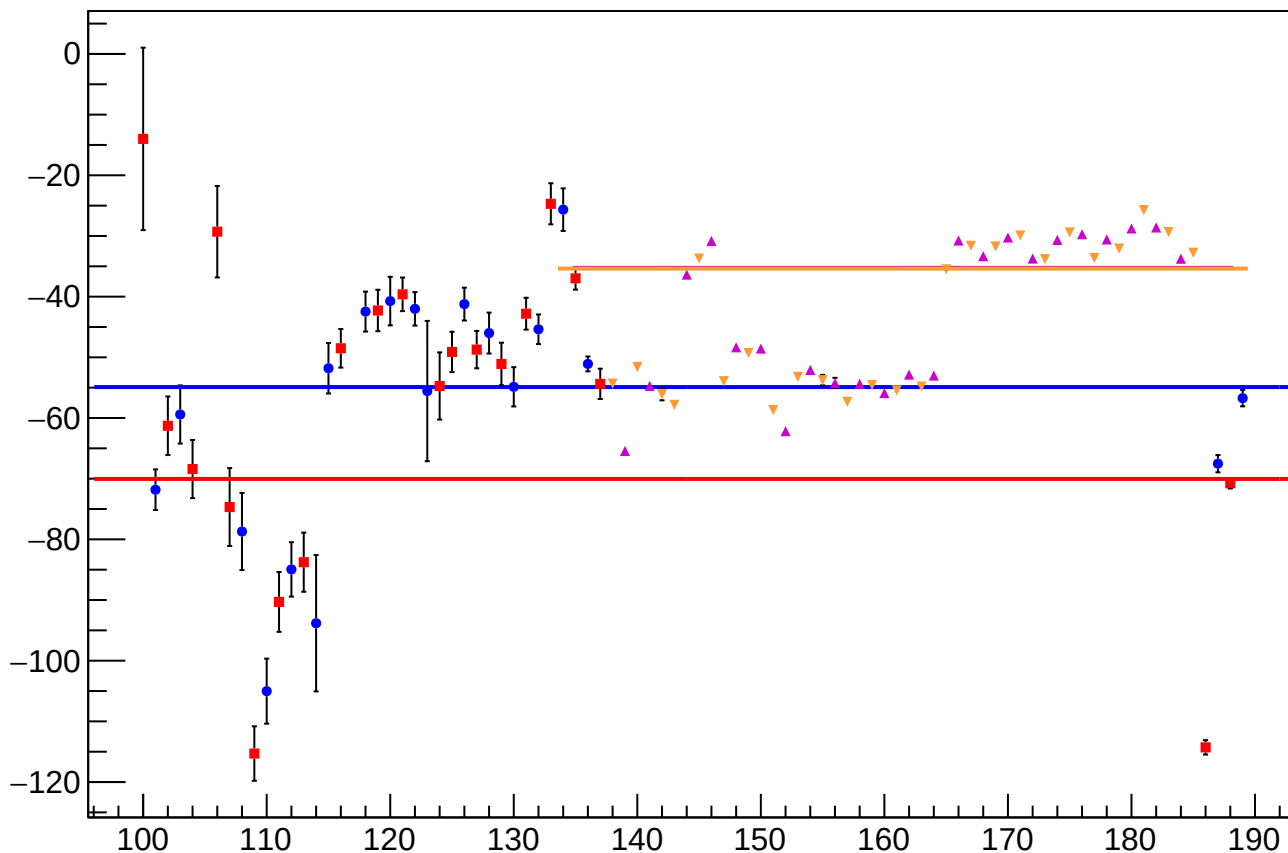
Right: 6.203 ± 0.282 $\chi^2/\text{NDF}: 3005.8/39$

In: 7.049 ± 0.073 $\chi^2/\text{NDF}: 3028.8/41$

Out: 7.121 ± 0.072 $\chi^2/\text{NDF}: 2509.4/45$

All: 7.085 ± 0.051 $\chi^2/\text{NDF}: 5538.7/87$

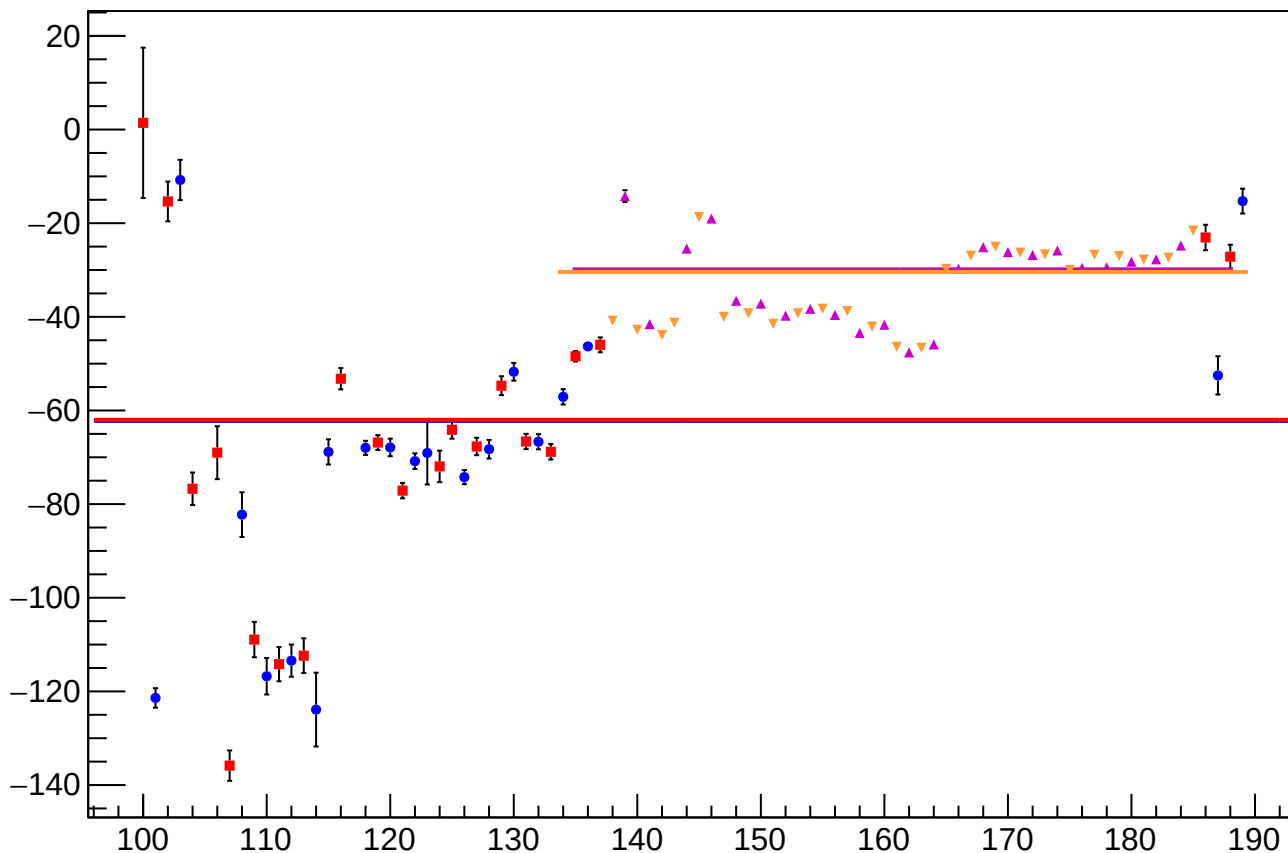
reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.902 ± 0.589 χ^2/NDF : 441.6/18
 Left Out: -35.377 ± 0.089 χ^2/NDF : 12628.3/24
 Right Out: -70.042 ± 0.523 χ^2/NDF : 2561.8/20
 Left In: -35.260 ± 0.090 χ^2/NDF : 11769.2/22

Left: -35.319 ± 0.063 χ^2/NDF : 24398.4/47
 Right: -63.370 ± 0.391 χ^2/NDF : 3372.7/39
 In: -35.705 ± 0.089 χ^2/NDF : 13296.7/41
 Out: -36.354 ± 0.088 χ^2/NDF : 19459.1/45
 All: -36.033 ± 0.062 χ^2/NDF : 32782.8/87

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -62.222 ± 0.437 $\chi^2/\text{NDF}: 2342.8/18$

Left Out: -30.415 ± 0.082 $\chi^2/\text{NDF}: 8132.2/24$

Right Out: -61.994 ± 0.467 $\chi^2/\text{NDF}: 2025.4/20$

Left In: -29.863 ± 0.082 $\chi^2/\text{NDF}: 7145.9/22$

Left: -30.141 ± 0.058 $\chi^2/\text{NDF}: 15300.8/47$

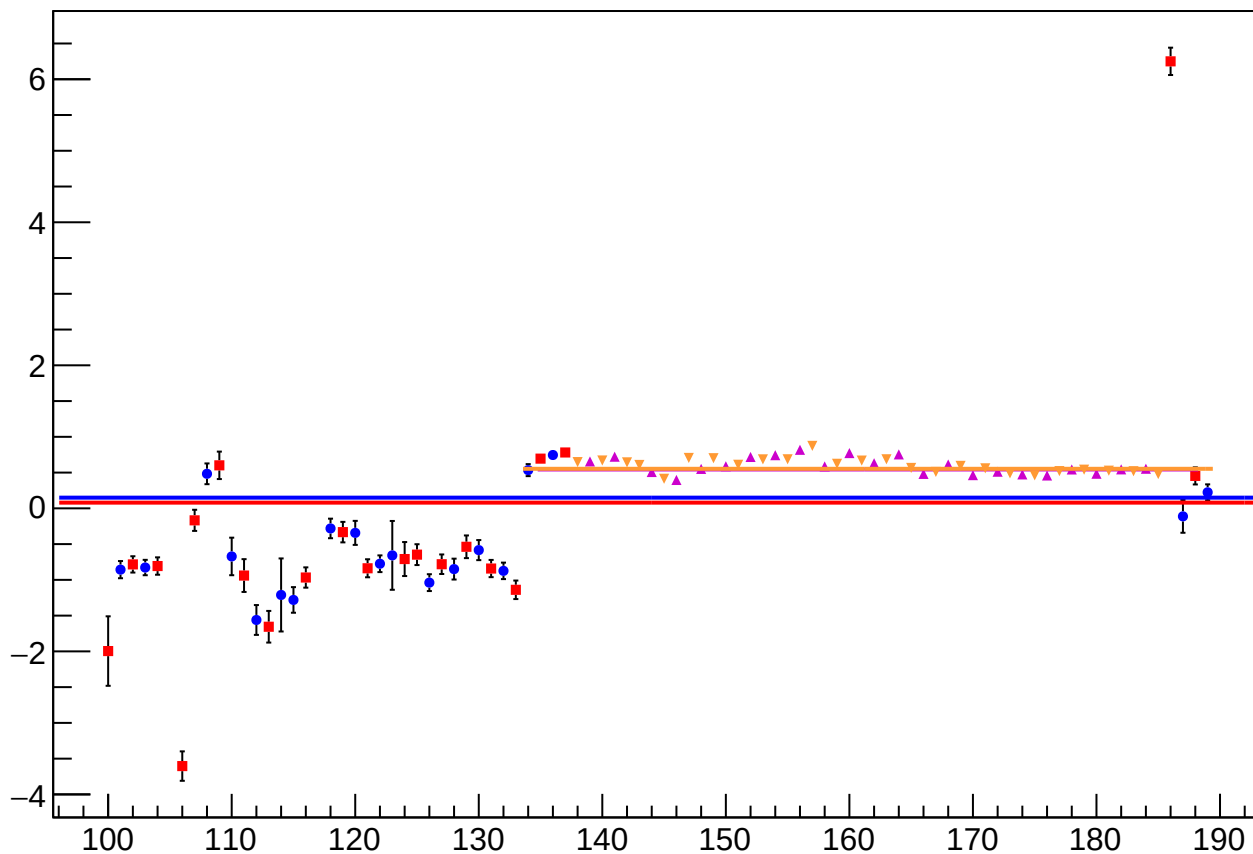
Right: -62.116 ± 0.319 $\chi^2/\text{NDF}: 4368.3/39$

In: -30.972 ± 0.081 $\chi^2/\text{NDF}: 14790.8/41$

Out: -31.351 ± 0.080 $\chi^2/\text{NDF}: 14594.0/45$

All: -31.162 ± 0.057 $\chi^2/\text{NDF}: 29395.8/87$

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.150 $\pm$ 0.023 χ^2 /NDF: 991.7/18

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

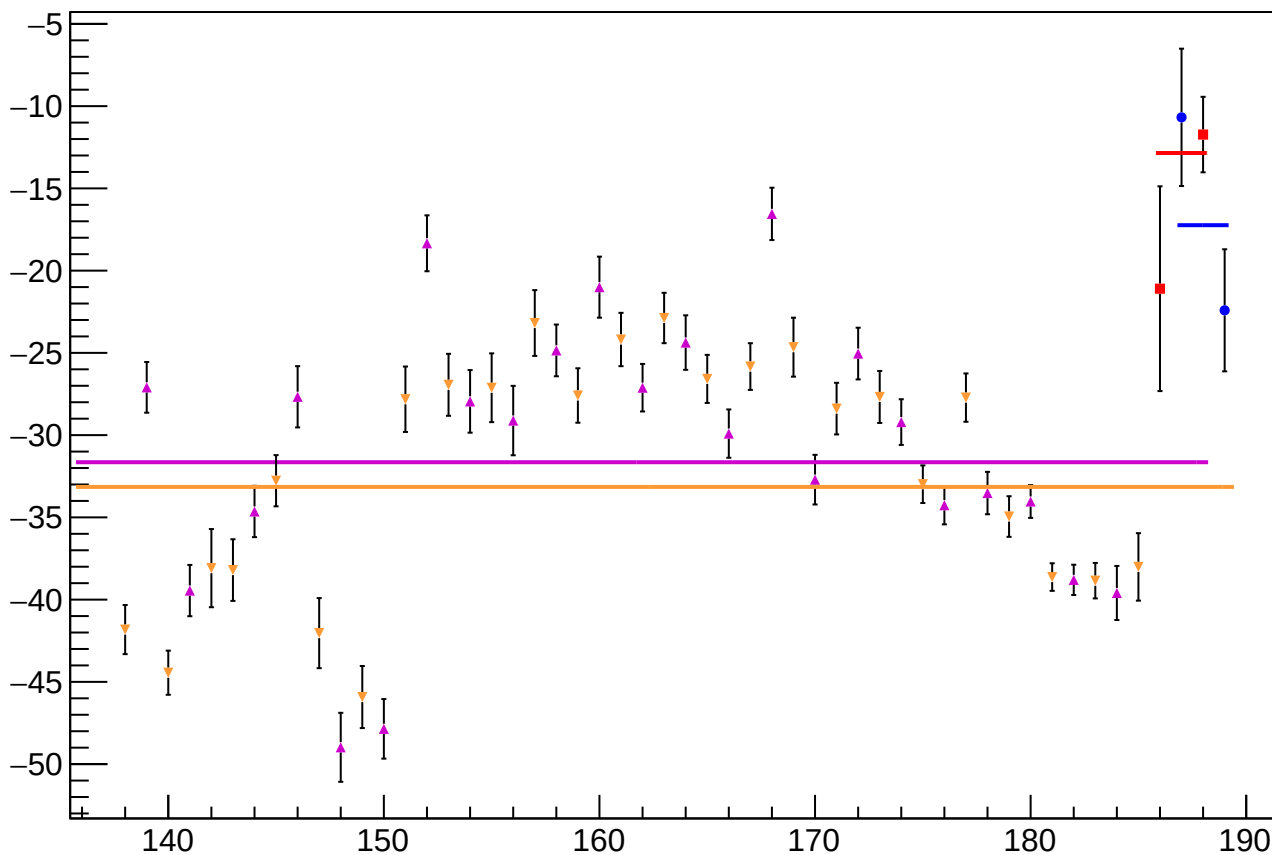
Right: 0.118 $\pm$ 0.017 χ^2 /NDF: 3241.3/39

In: 0.534 $\pm$ 0.004 χ^2 /NDF:1929.1/41

Out: 0.543 $\pm$ 0.004 χ^2 /NDF:3129.1/45

All: 0.538 $\pm$ 0.003 χ^2 /NDF: 5061.5/87

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -17.237 ± 2.774 $\chi^2/\text{NDF}: 4.4/1$

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 $\chi^2/\text{NDF}: 1059.0/47$

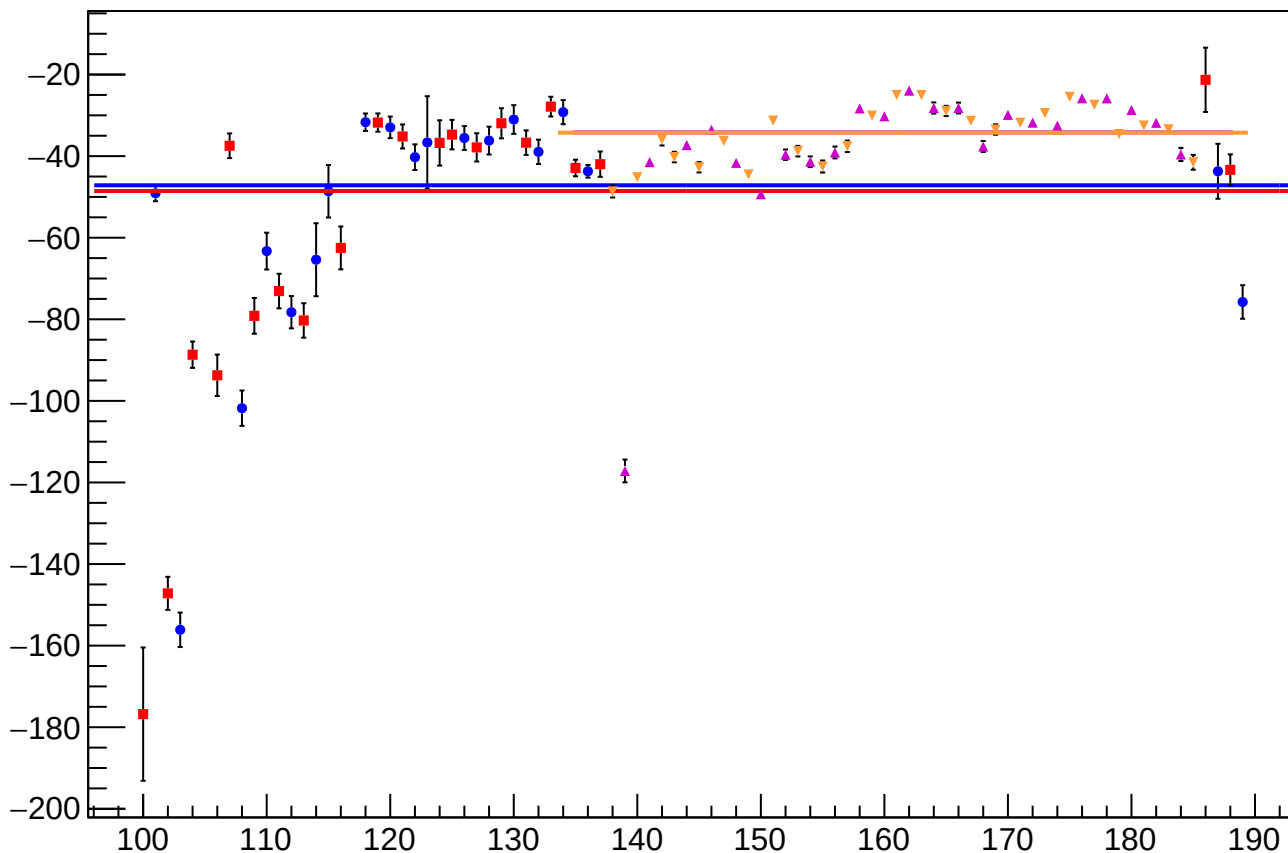
Right: -14.500 ± 1.701 $\chi^2/\text{NDF}: 8.0/3$

In: -31.472 ± 0.306 $\chi^2/\text{NDF}: 578.0/24$

Out: -32.760 ± 0.298 $\chi^2/\text{NDF}: 589.1/26$

All: -32.133 ± 0.213 $\chi^2/\text{NDF}: 1176.2/51$

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -47.146 ± 0.708 $\chi^2/\text{NDF}: 1134.1/18$

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 $\chi^2/\text{NDF}: 2239.5/47$

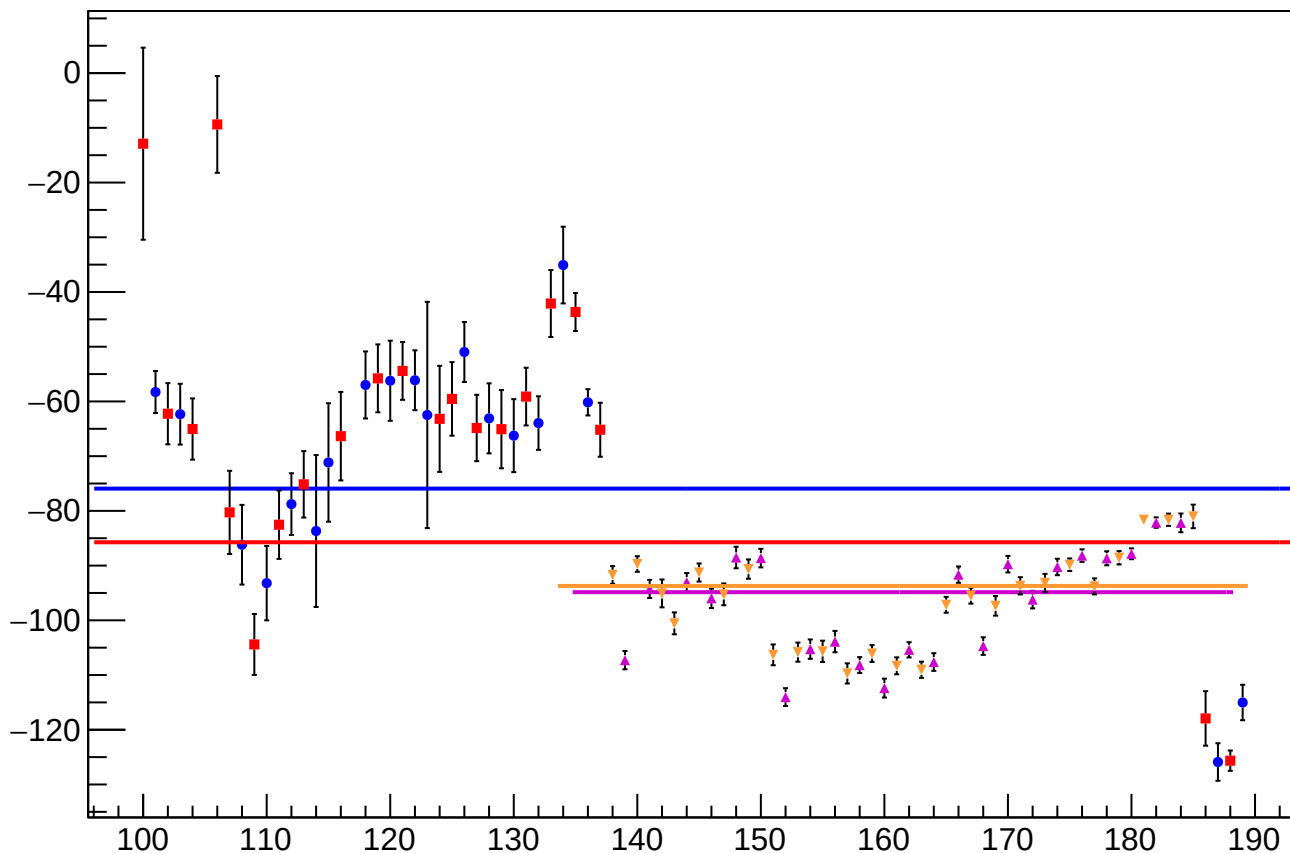
Right: -47.808 ± 0.513 $\chi^2/\text{NDF}: 2421.8/39$

In: -35.628 ± 0.236 $\chi^2/\text{NDF}: 2978.1/41$

Out: -35.619 ± 0.230 $\chi^2/\text{NDF}: 2311.5/45$

All: -35.624 ± 0.165 $\chi^2/\text{NDF}: 5289.5/87$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -75.928 ± 1.145 $\chi^2/\text{NDF}: 534.4/18$

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 $\chi^2/\text{NDF}: 1870.7/47$

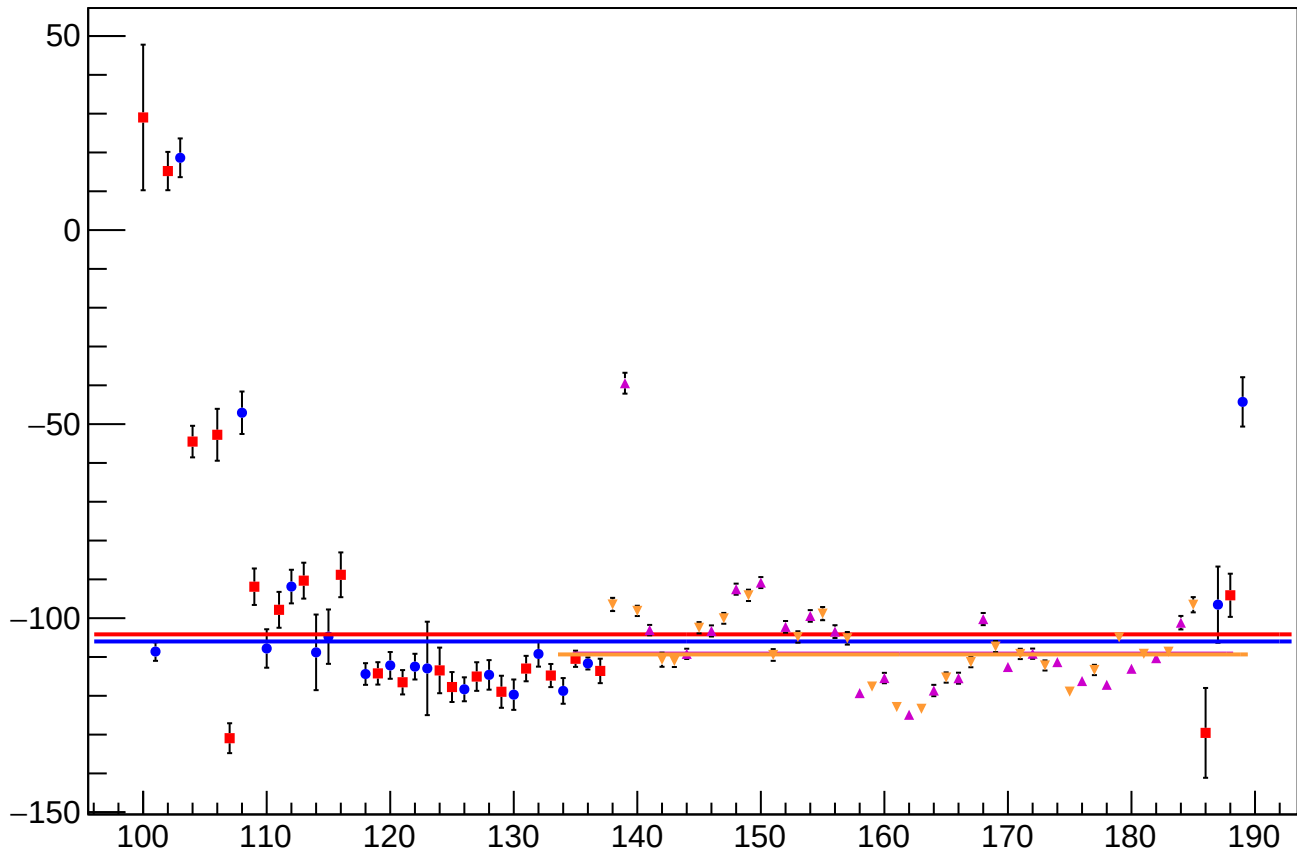
Right: -81.118 ± 0.786 $\chi^2/\text{NDF}: 1562.6/39$

In: -93.589 ± 0.297 $\chi^2/\text{NDF}: 1775.0/41$

Out: -93.139 ± 0.291 $\chi^2/\text{NDF}: 1918.2/45$

All: -93.360 ± 0.208 $\chi^2/\text{NDF}: 3694.3/87$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.997 ± 0.802 χ^2/NDF : 925.2/18

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

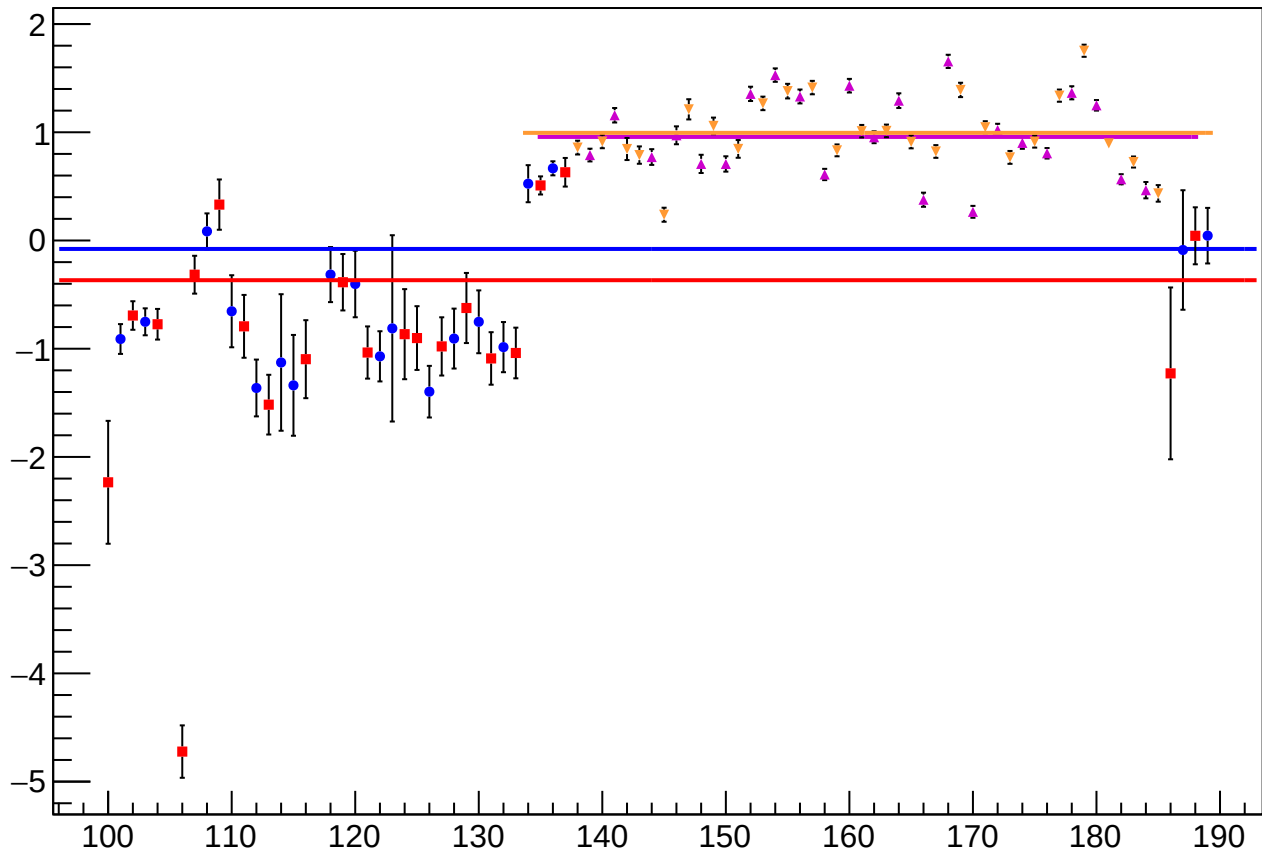
Right: -105.134 ± 0.583 χ^2/NDF : 1954.4/39

In: -108.788 ± 0.264 χ^2/NDF : 2517.5/41

Out: -108.857 ± 0.259 χ^2/NDF : 1886.6/45

All: -108.823 ± 0.185 χ^2/NDF : 4404.2/87

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.078 ± 0.041 χ^2/NDF : 329.2/18

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

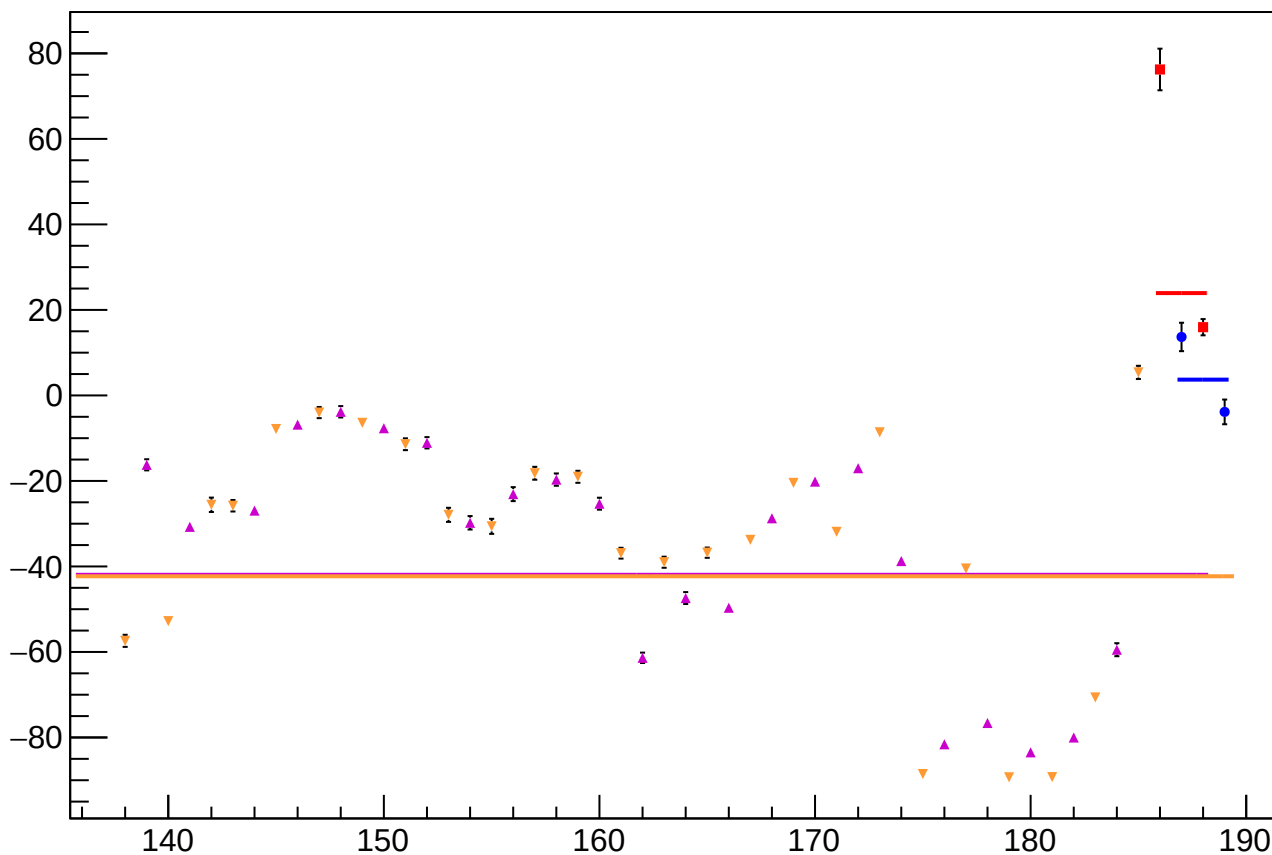
Right: -0.217 ± 0.030 χ^2/NDF : 939.1/39

In: 0.869 ± 0.012 χ^2/NDF : 1795.3/41

Out: 0.891 ± 0.012 χ^2/NDF : 2138.2/45

All: 0.880 ± 0.008 χ^2/NDF : 3935.0/87

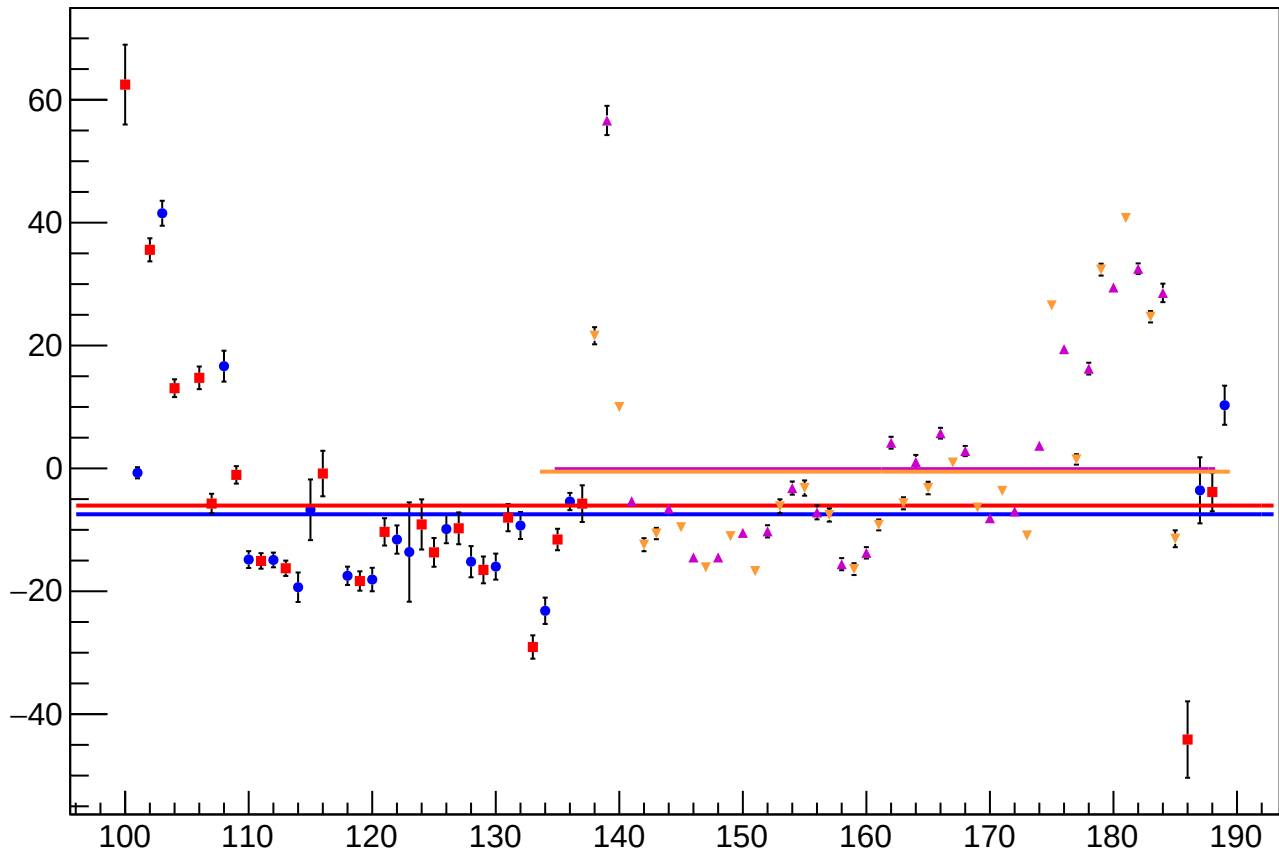
reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



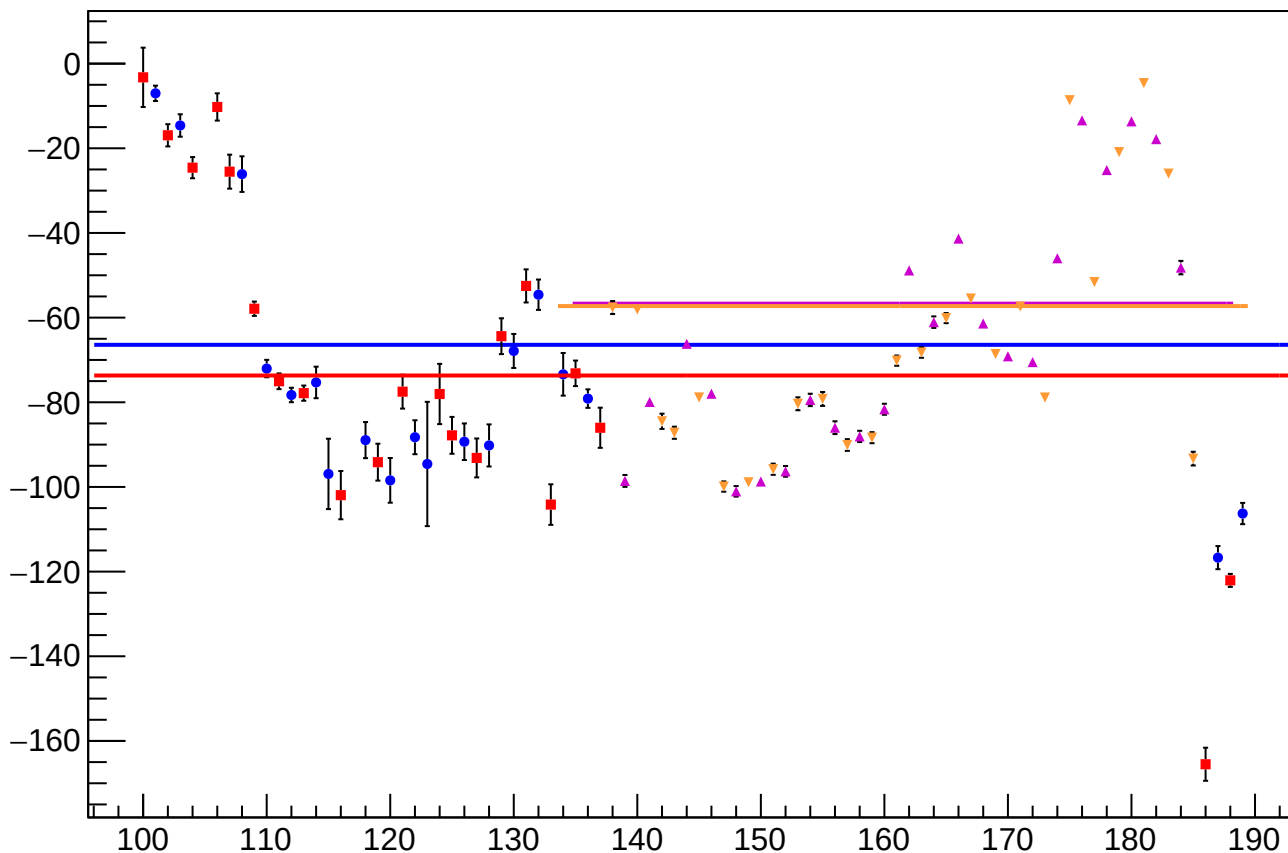
Right In: 3.694 ± 2.180 $\chi^2/\text{NDF}: 15.8/1$
 Left Out: -42.295 ± 0.222 $\chi^2/\text{NDF}: 18267.5/24$
 Right Out: 23.937 ± 1.771 $\chi^2/\text{NDF}: 133.1/1$
 Left In: -41.955 ± 0.226 $\chi^2/\text{NDF}: 14723.4/22$

Left: -42.128 ± 0.159 $\chi^2/\text{NDF}: 32992.1/47$
 Right: 15.893 ± 1.374 $\chi^2/\text{NDF}: 200.9/3$
 In: -41.470 ± 0.225 $\chi^2/\text{NDF}: 15172.9/24$
 Out: -41.266 ± 0.221 $\chi^2/\text{NDF}: 19778.2/26$
 All: -41.366 ± 0.157 $\chi^2/\text{NDF}: 34951.5/51$

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.427 ± 0.690 $\chi^2/\text{NDF}: 2404.3/18$

Left Out: -57.276 ± 0.224 $\chi^2/\text{NDF}: 18511.1/24$

Right Out: -73.674 ± 0.632 $\chi^2/\text{NDF}: 3278.8/20$

Left In: -56.705 ± 0.226 $\chi^2/\text{NDF}: 16547.5/22$

Left: -56.993 ± 0.159 $\chi^2/\text{NDF}: 35061.8/47$

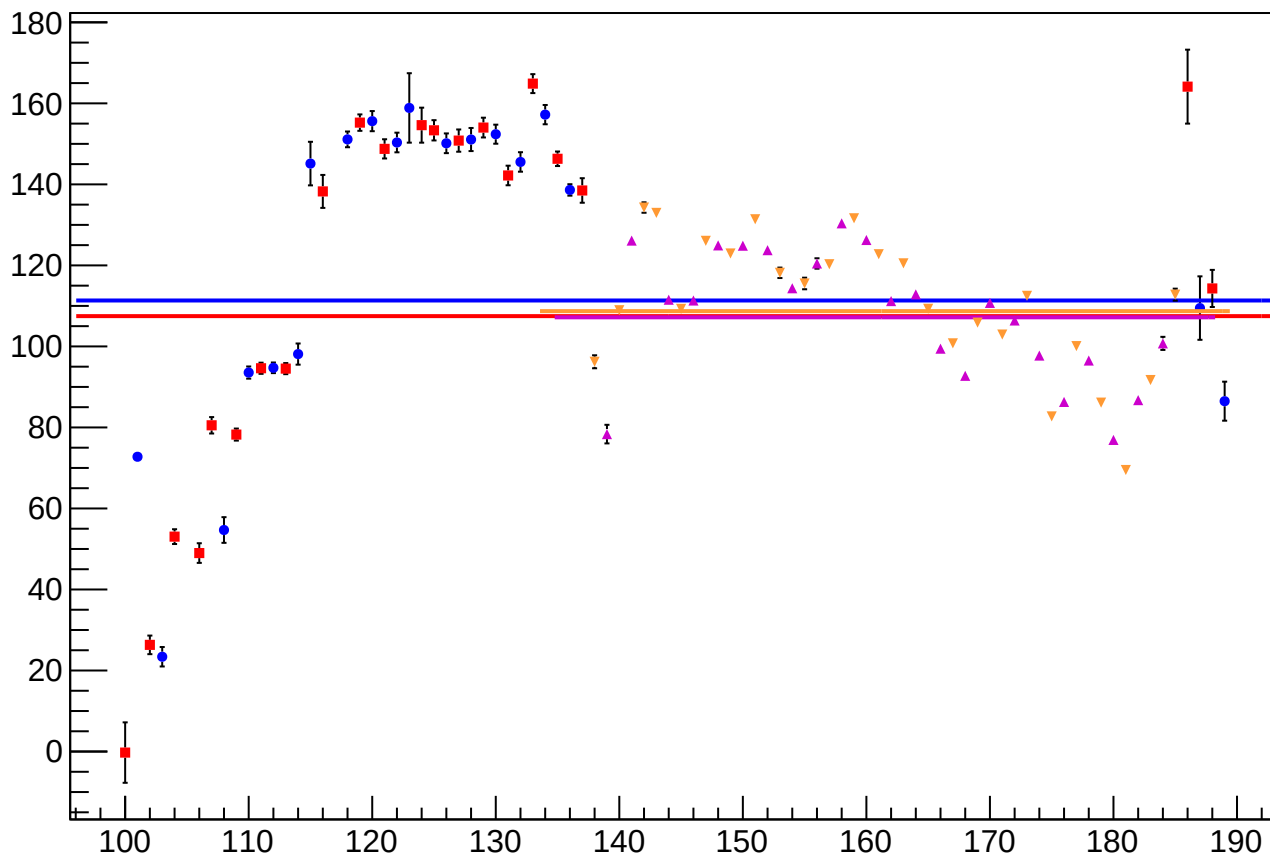
Right: -70.371 ± 0.466 $\chi^2/\text{NDF}: 5743.2/39$

In: -57.647 ± 0.215 $\chi^2/\text{NDF}: 19131.1/41$

Out: -59.102 ± 0.211 $\chi^2/\text{NDF}: 22388.9/45$

All: -58.388 ± 0.150 $\chi^2/\text{NDF}: 41543.3/87$

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.338 $\pm$ 0.483 χ^2 /NDF: 5986.5/18

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

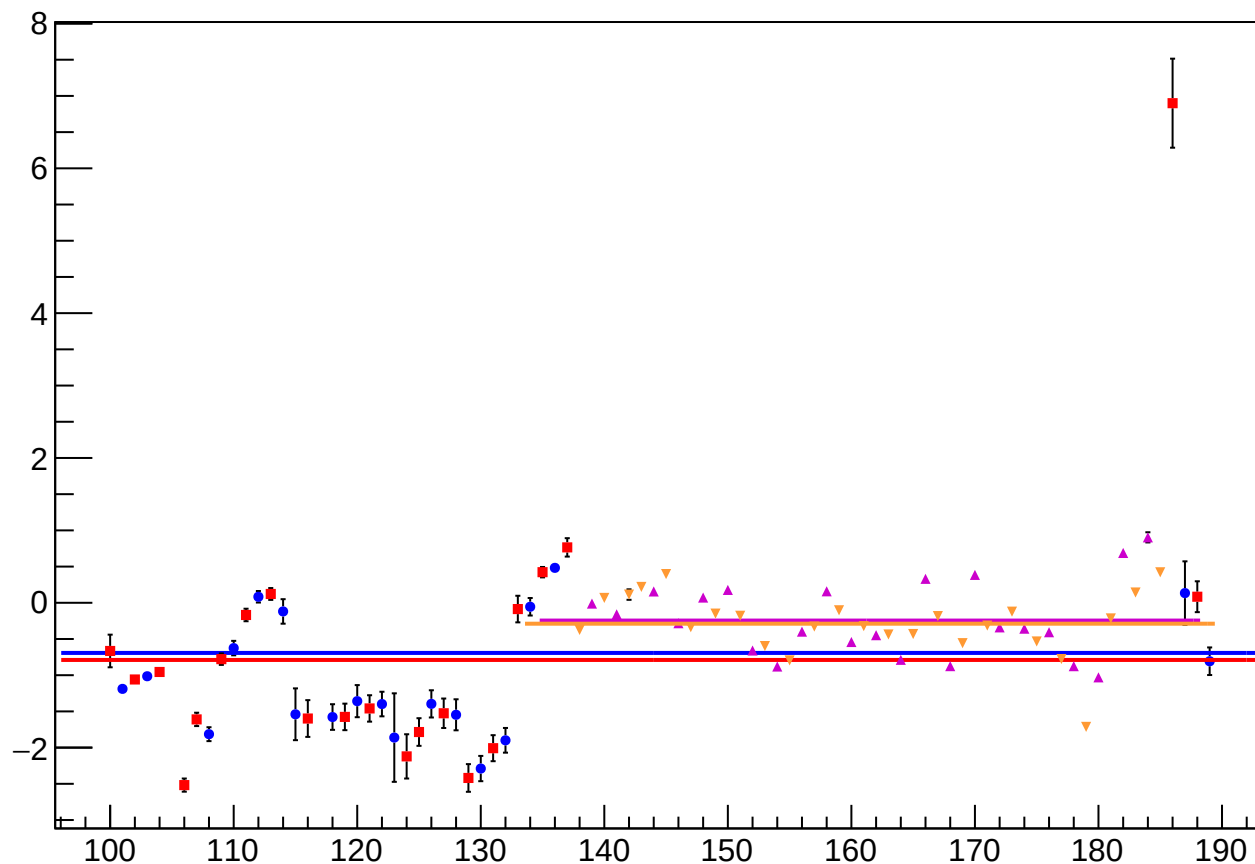
Right: 109.412 $\pm$ 0.342 χ^2 /NDF: 13096.7/39

In: 107.797 $\pm$ 0.186 χ^2 /NDF: 11641.9/41

Out: 108.533 $\pm$ 0.183 χ^2 /NDF: 14380.9/45

All: 108.171 $\pm$ 0.131 χ^2 /NDF: 26030.7/87

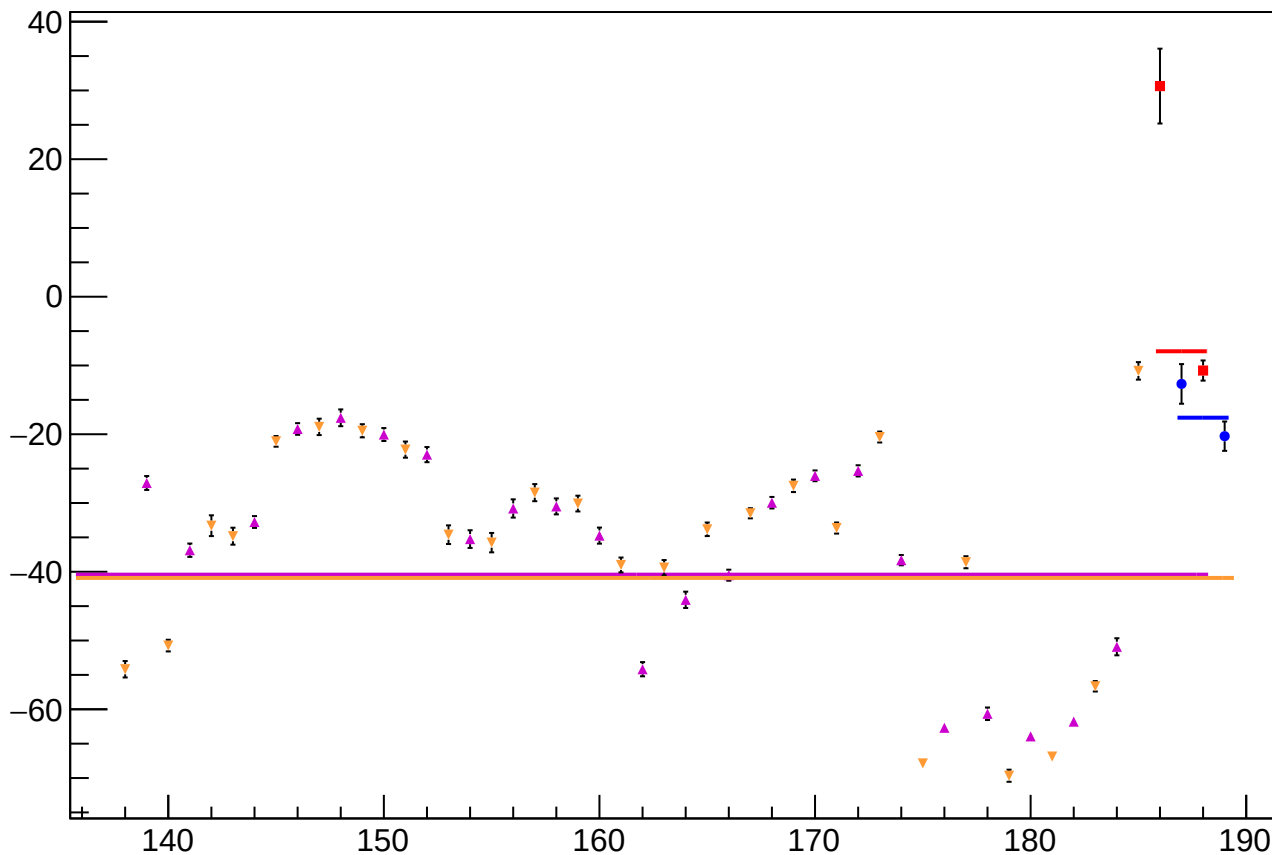
reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.692 ± 0.025 $\chi^2/\text{NDF}: 997.0/18$
 Left Out: -0.289 ± 0.009 $\chi^2/\text{NDF}: 2039.6/24$
 Right Out: -0.789 ± 0.024 $\chi^2/\text{NDF}: 1484.8/20$
 Left In: -0.246 ± 0.009 $\chi^2/\text{NDF}: 2804.3/22$

Left: -0.267 ± 0.006 $\chi^2/\text{NDF}: 4855.1/47$
 Right: -0.744 ± 0.018 $\chi^2/\text{NDF}: 2489.4/39$
 In: -0.297 ± 0.009 $\chi^2/\text{NDF}: 4072.9/41$
 Out: -0.351 ± 0.009 $\chi^2/\text{NDF}: 3900.5/45$
 All: -0.325 ± 0.006 $\chi^2/\text{NDF}: 7992.9/87$

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



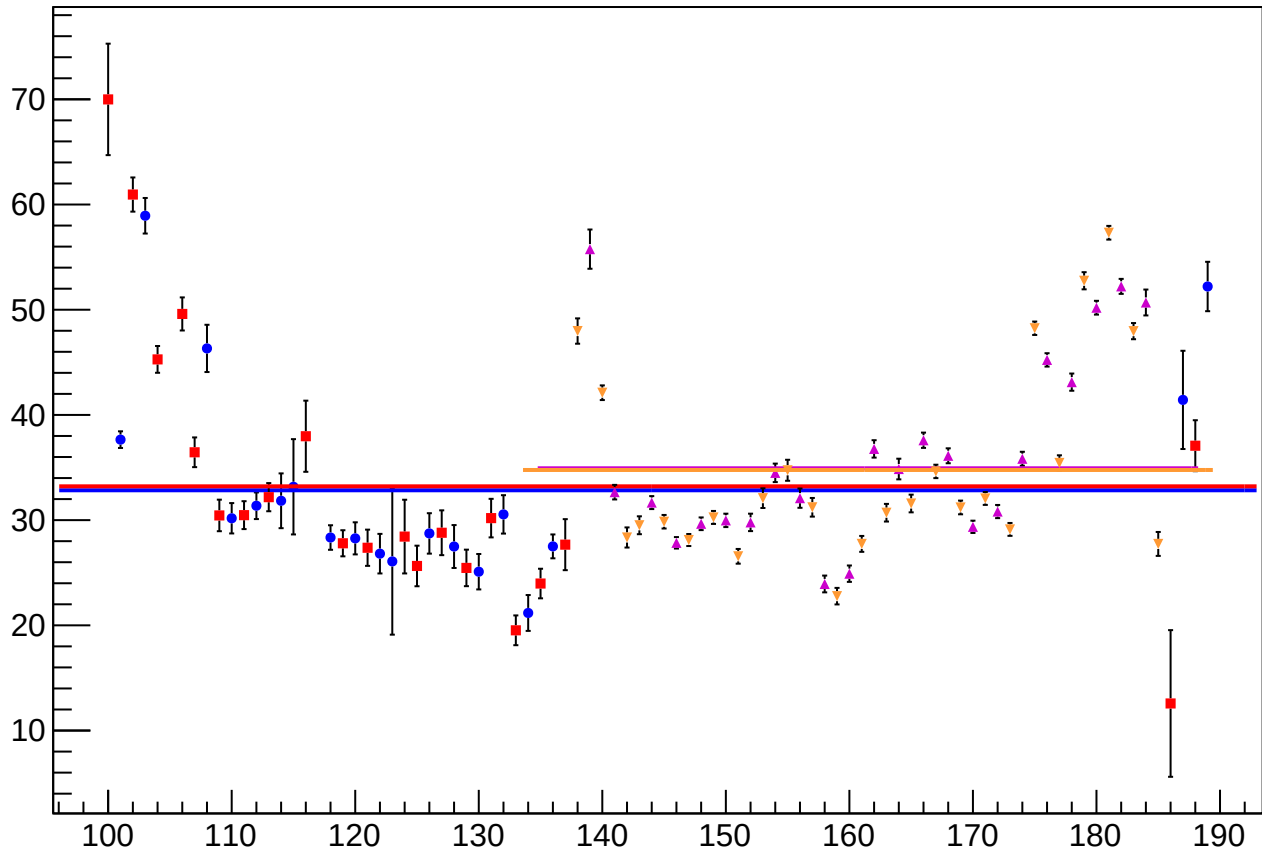
Right In: -17.592 ± 1.715 $\chi^2/\text{NDF}: 4.5/1$
 Left Out: -40.897 ± 0.186 $\chi^2/\text{NDF}: 9114.7/24$
 Right Out: -7.935 ± 1.416 $\chi^2/\text{NDF}: 53.9/1$
 Left In: -40.422 ± 0.189 $\chi^2/\text{NDF}: 7030.2/22$

Left: -40.662 ± 0.133 $\chi^2/\text{NDF}: 16148.1/47$
 Right: -11.849 ± 1.092 $\chi^2/\text{NDF}: 77.2/3$

In: -40.148 ± 0.188 $\chi^2/\text{NDF}: 7209.7/24$
 Out: -40.335 ± 0.185 $\chi^2/\text{NDF}: 9701.4/26$

All: -40.243 ± 0.132 $\chi^2/\text{NDF}: 16911.6/51$

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.838+/-0.367 χ^2/NDF : 525.8/18

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

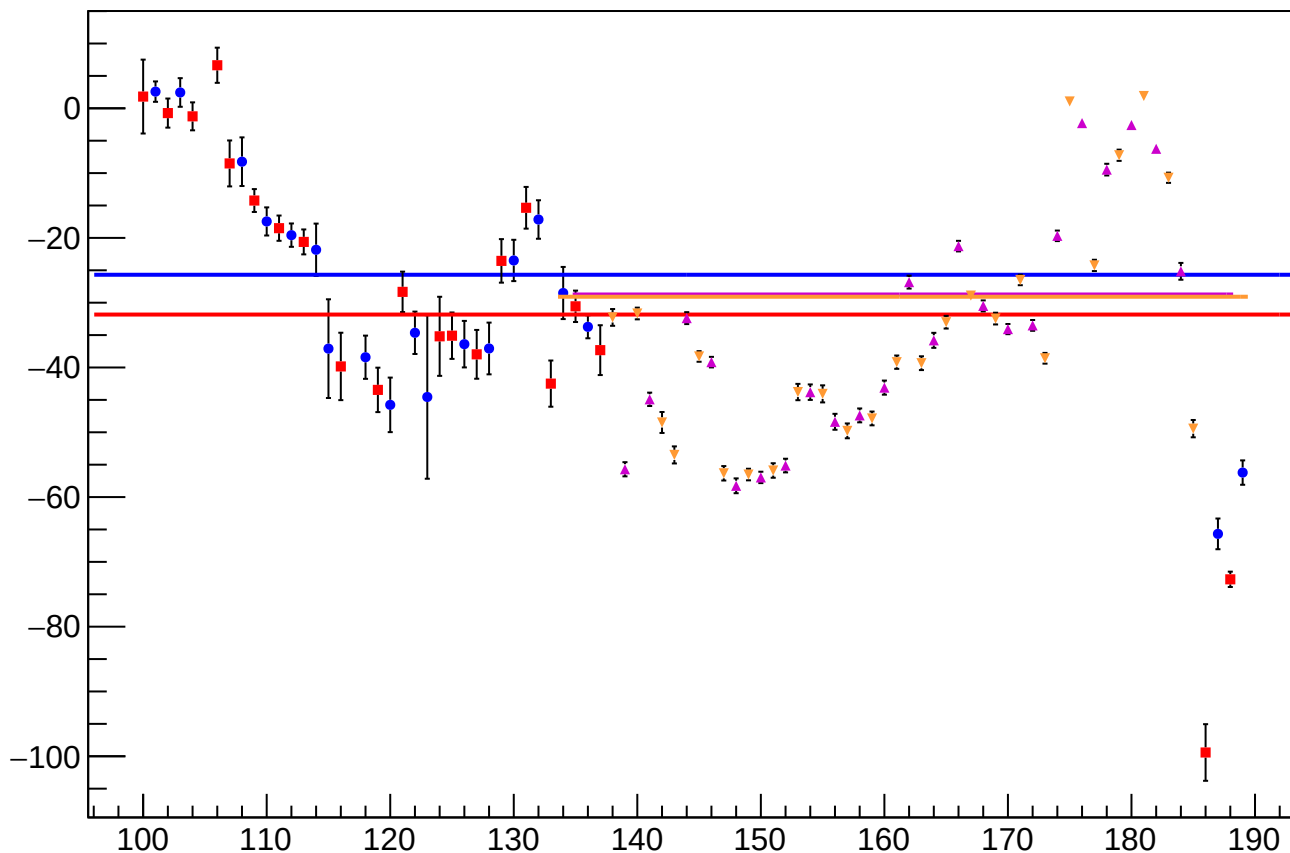
Right: 33.022+/-0.262 χ^2/NDF : 1307.9/39

In: 34.625+/-0.140 χ^2/NDF : 3242.0/41

Out: 34.558+/-0.137 χ^2/NDF : 4473.9/45

All: 34.591+/-0.098 χ^2/NDF : 7716.0/87

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.689 ± 0.606 χ^2/NDF : 1177.1/18

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

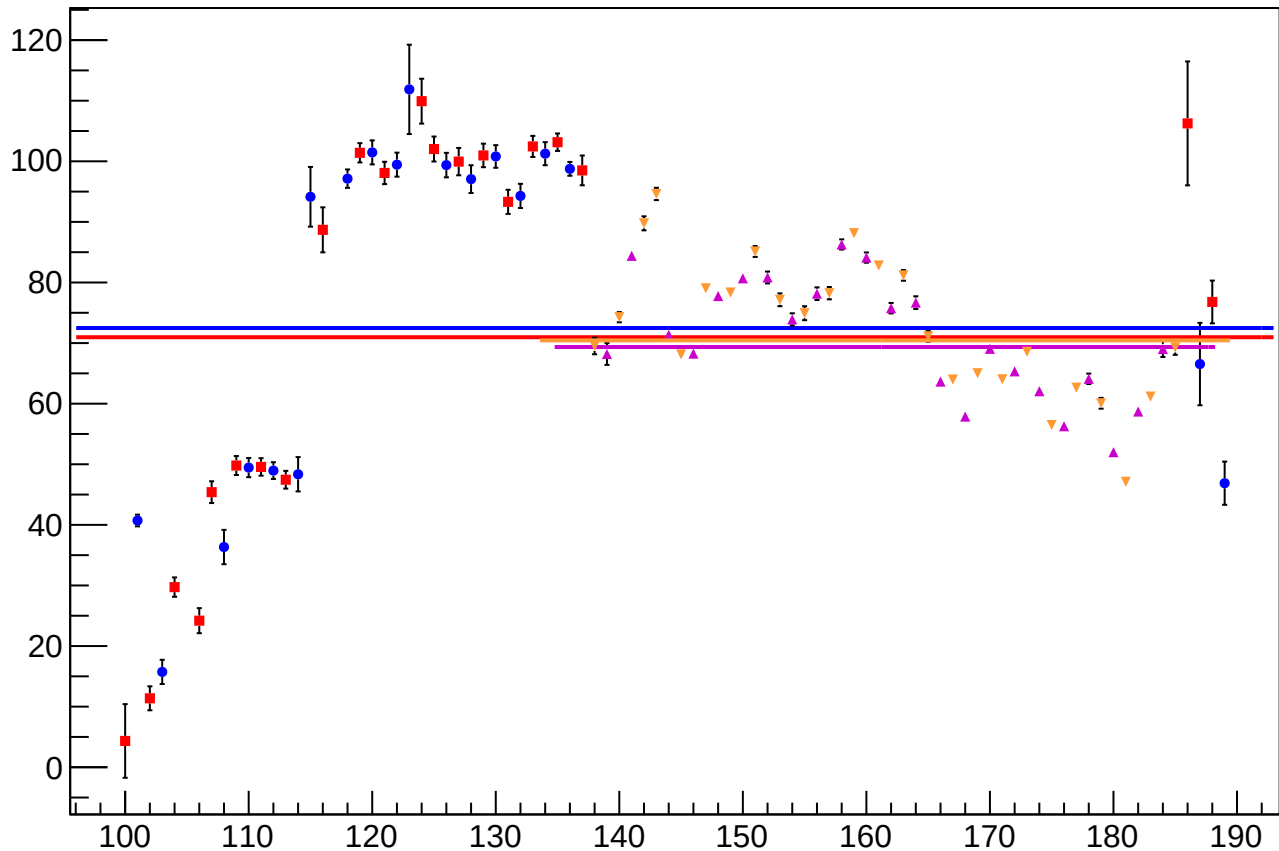
Right: -28.999 ± 0.412 χ^2/NDF : 3575.8/39

In: -28.466 ± 0.180 χ^2/NDF : 10355.6/41

Out: -29.356 ± 0.178 χ^2/NDF : 12424.5/45

All: -28.918 ± 0.127 χ^2/NDF : 22792.5/87

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.487 $\pm$ 0.422 χ^2 /NDF: 4791.0/18

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

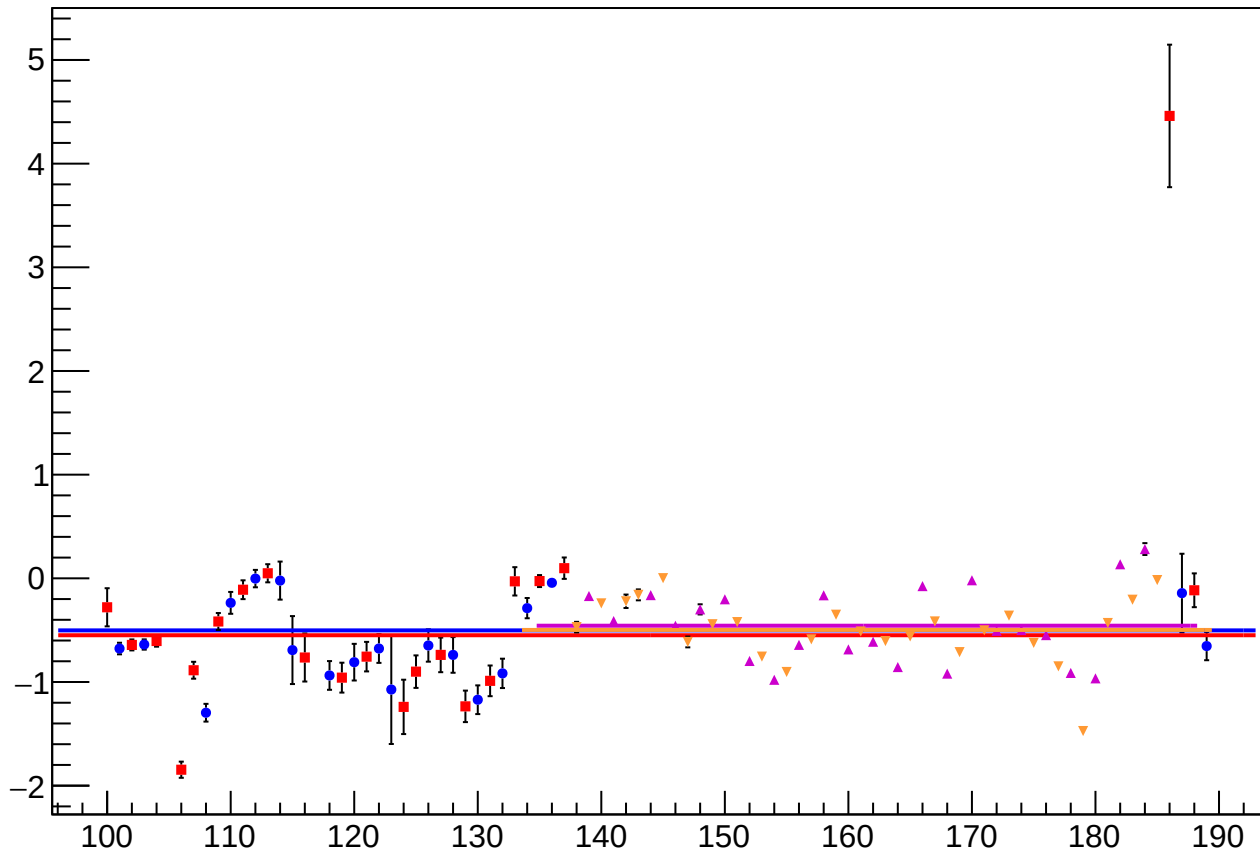
Right: 71.740 $\pm$ 0.301 χ^2 /NDF: 10301.5/39

In: 69.787 $\pm$ 0.157 χ^2 /NDF:8169.4/41

Out: 70.517 $\pm$ 0.155 χ^2 /NDF:9990.0/45

All: 70.157 $\pm$ 0.111 χ^2 /NDF: 18170.2/87

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.502 ± 0.022 χ^2/NDF : 305.6/18

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

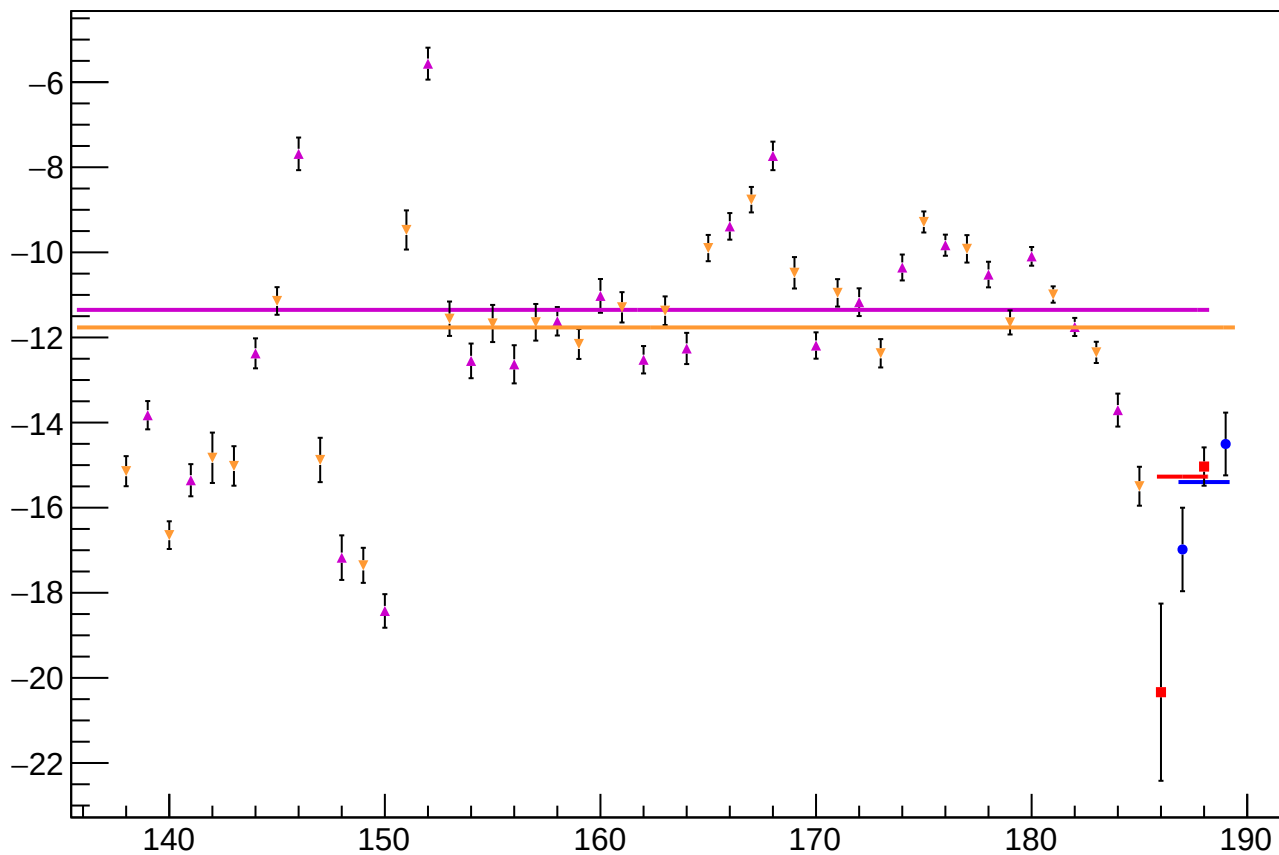
Right: -0.526 ± 0.015 χ^2/NDF : 930.8/39

In: -0.462 ± 0.007 χ^2/NDF : 2284.6/41

Out: -0.504 ± 0.007 χ^2/NDF : 2068.7/45

All: -0.483 ± 0.005 χ^2/NDF : 4370.1/87

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.398 ± 0.589 $\chi^2/\text{NDF}: 4.1/1$

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: -15.316 ± 0.353 $\chi^2/\text{NDF}: 10.3/3$

In: -11.404 ± 0.067 $\chi^2/\text{NDF}: 1331.3/24$

Out: -11.843 ± 0.066 $\chi^2/\text{NDF}: 1094.1/26$

All: -11.628 ± 0.047 $\chi^2/\text{NDF}: 2447.0/51$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.176 ± 0.148 $\chi^2/\text{NDF}: 1403.4/18$

Left Out: -30.201 ± 0.054 $\chi^2/\text{NDF}: 725.7/24$

Right Out: -34.217 ± 0.148 $\chi^2/\text{NDF}: 1356.8/20$

Left In: -30.128 ± 0.055 $\chi^2/\text{NDF}: 1290.4/22$

Left: -30.165 ± 0.039 $\chi^2/\text{NDF}: 2017.0/47$

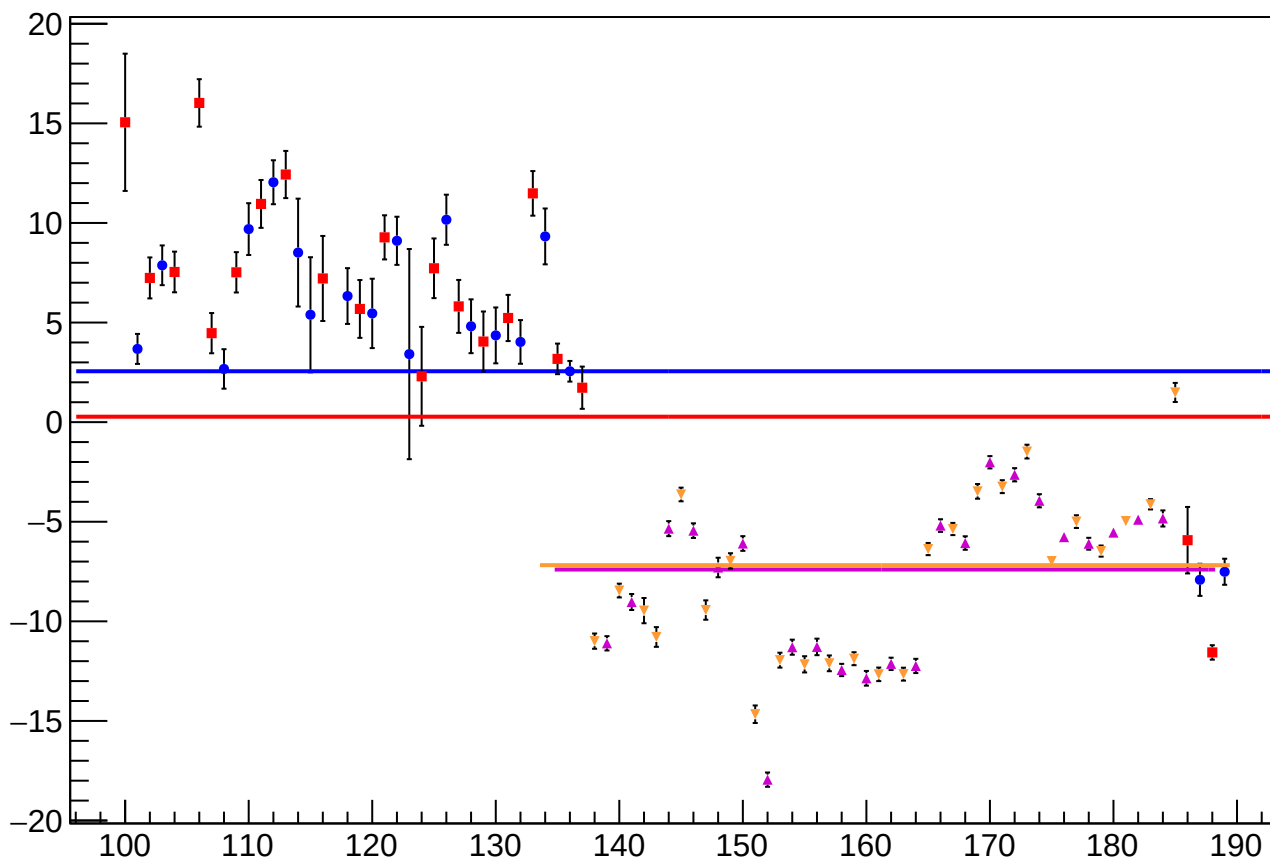
Right: -34.196 ± 0.104 $\chi^2/\text{NDF}: 2760.2/39$

In: -30.628 ± 0.052 $\chi^2/\text{NDF}: 3353.8/41$

Out: -30.674 ± 0.051 $\chi^2/\text{NDF}: 2735.3/45$

All: -30.652 ± 0.036 $\chi^2/\text{NDF}: 6089.5/87$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

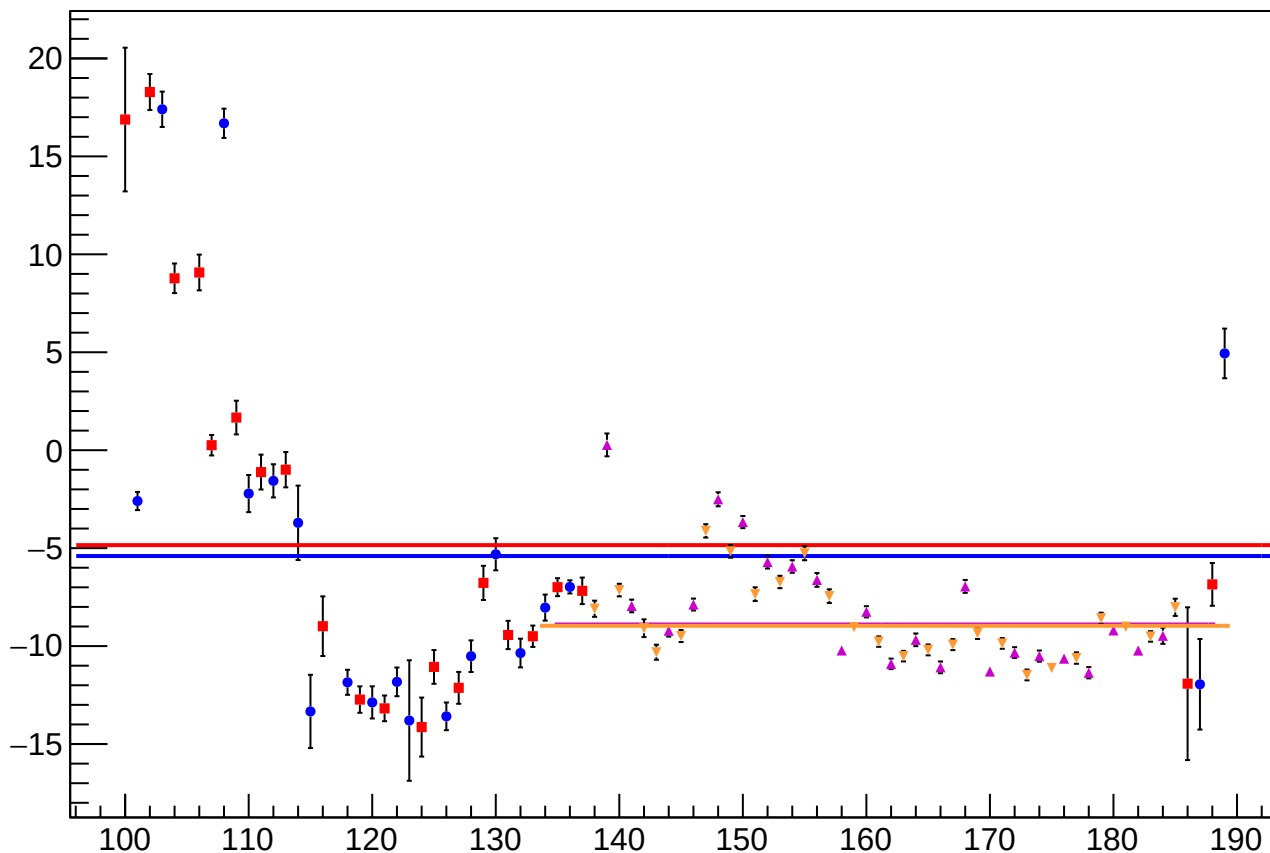


Right In: 2.555 ± 0.238 χ^2/NDF : 651.5/18
 Left Out: -7.180 ± 0.067 χ^2/NDF : 3015.8/24
 Right Out: 0.274 ± 0.217 χ^2/NDF : 1890.9/20
 Left In: -7.400 ± 0.068 χ^2/NDF : 3134.9/22

Left: -7.289 ± 0.048 χ^2/NDF : 6156.0/47
 Right: 1.309 ± 0.160 χ^2/NDF : 2592.6/39
 In: -6.658 ± 0.065 χ^2/NDF : 5404.1/41
 Out: -6.532 ± 0.064 χ^2/NDF : 5984.0/45

All: -6.594 ± 0.046 χ^2/NDF : 11390.0/87

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.403 ± 0.168 χ^2/NDF : 2200.7/18

Left Out: -8.965 ± 0.060 χ^2/NDF : 876.6/24

Right Out: -4.846 ± 0.171 χ^2/NDF : 2047.2/20

Left In: -8.898 ± 0.061 χ^2/NDF : 1584.0/22

Left: -8.932 ± 0.043 χ^2/NDF : 2461.2/47

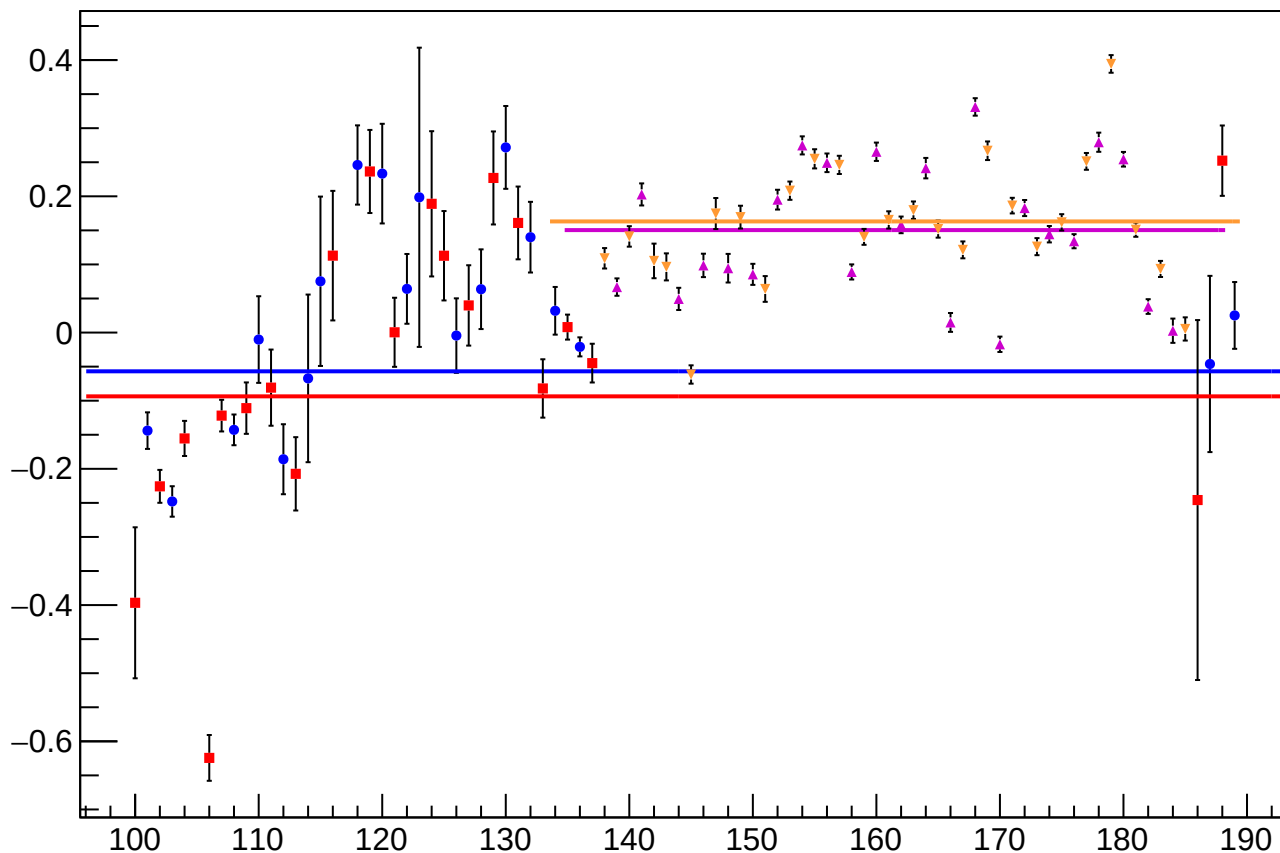
Right: -5.129 ± 0.120 χ^2/NDF : 4253.3/39

In: -8.484 ± 0.058 χ^2/NDF : 4166.6/41

Out: -8.508 ± 0.057 χ^2/NDF : 3442.4/45

All: -8.496 ± 0.040 χ^2/NDF : 7609.1/87

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.057 ± 0.008 χ^2/NDF : 220.5/18

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

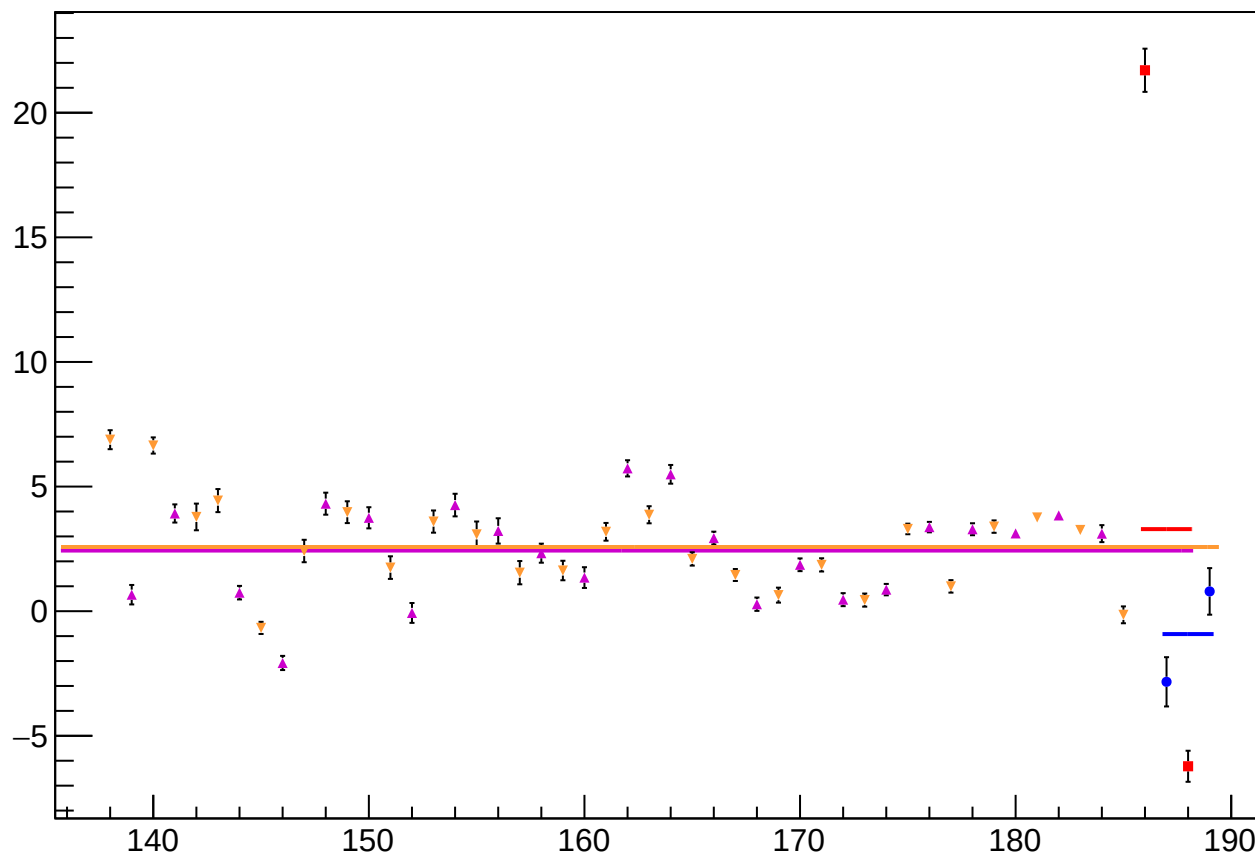
Right: -0.075 ± 0.006 χ^2/NDF : 712.2/39

In: 0.130 ± 0.003 χ^2/NDF : 2084.8/41

Out: 0.138 ± 0.003 χ^2/NDF : 2355.8/45

All: 0.134 ± 0.002 χ^2/NDF : 4445.8/87

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.918 ± 0.679 $\chi^2/\text{NDF}: 7.1/1$

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 $\chi^2/\text{NDF}: 1754.0/47$

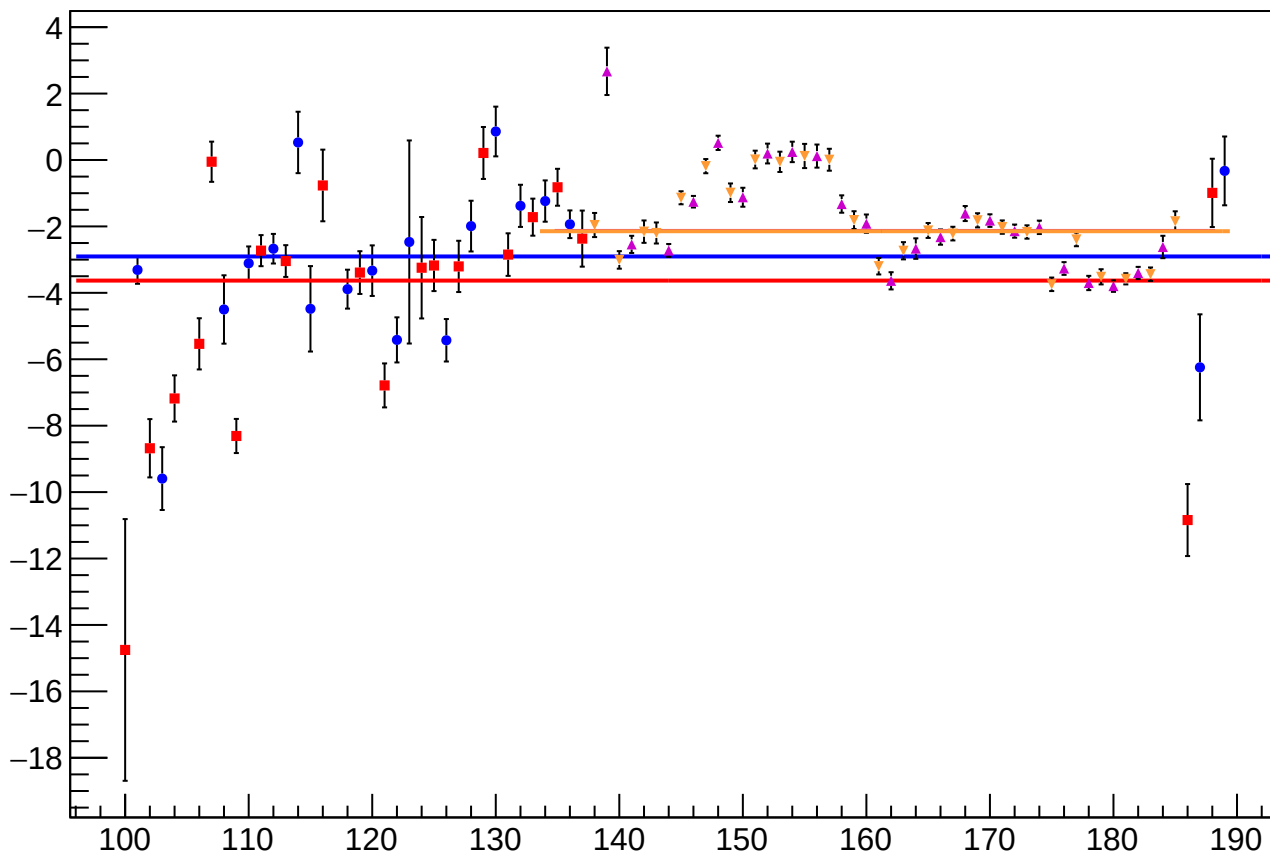
Right: 1.790 ± 0.406 $\chi^2/\text{NDF}: 716.6/3$

In: 2.408 ± 0.059 $\chi^2/\text{NDF}: 914.2/24$

Out: 2.585 ± 0.058 $\chi^2/\text{NDF}: 1554.8/26$

All: 2.498 ± 0.041 $\chi^2/\text{NDF}: 2473.6/51$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.905 ± 0.152 $\chi^2/\text{NDF}: 157.1/18$

Left Out: -2.145 ± 0.048 $\chi^2/\text{NDF}: 572.6/24$

Right Out: -3.631 ± 0.151 $\chi^2/\text{NDF}: 342.8/20$

Left In: -2.137 ± 0.048 $\chi^2/\text{NDF}: 693.6/22$

Left: -2.141 ± 0.034 $\chi^2/\text{NDF}: 1266.1/47$

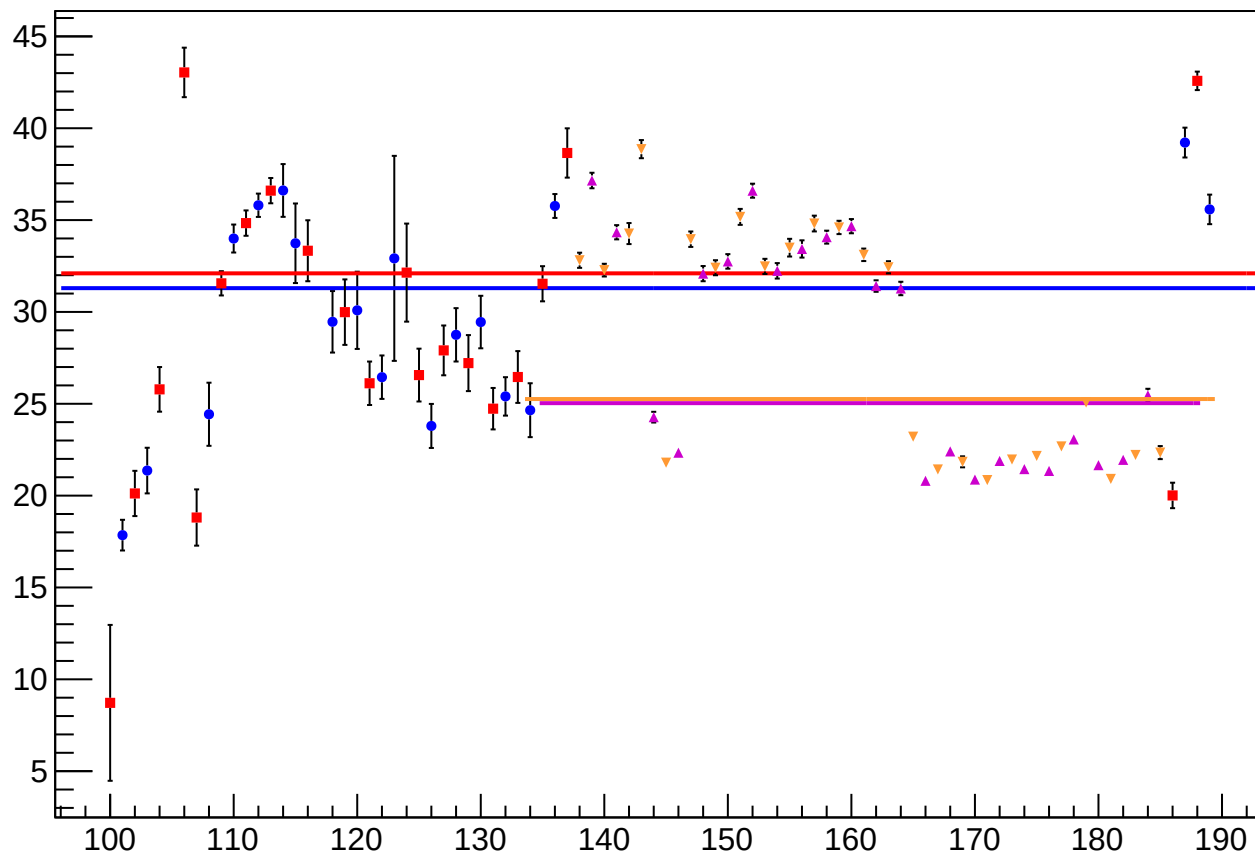
Right: -3.268 ± 0.107 $\chi^2/\text{NDF}: 511.4/39$

In: -2.207 ± 0.046 $\chi^2/\text{NDF}: 874.0/41$

Out: -2.279 ± 0.045 $\chi^2/\text{NDF}: 1003.1/45$

All: -2.243 ± 0.032 $\chi^2/\text{NDF}: 1878.3/87$

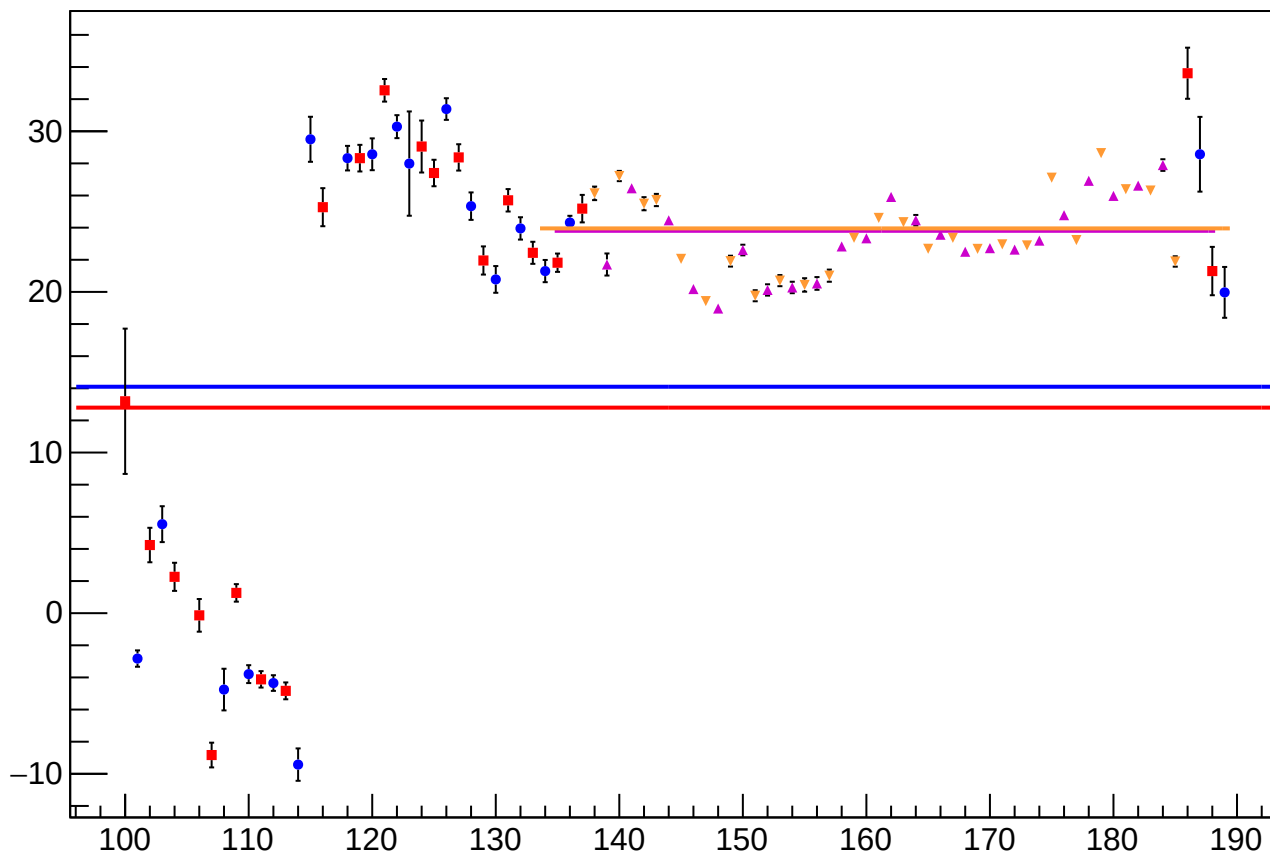
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 31.295 $\pm$ 0.242 χ^2 /NDF: 702.6/18
 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: 31.737 $\pm$ 0.162 χ^2 /NDF: 1944.3/39
 In: 25.390 $\pm$ 0.058 χ^2 /NDF:9025.5/41
 Out: 25.719 $\pm$ 0.057 χ^2 /NDF:10280.6/45
 All: 25.557 $\pm$ 0.040 χ^2 /NDF: 19322.6/87

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.097 $\pm$ 0.170 χ^2 /NDF: 7445.1/18

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

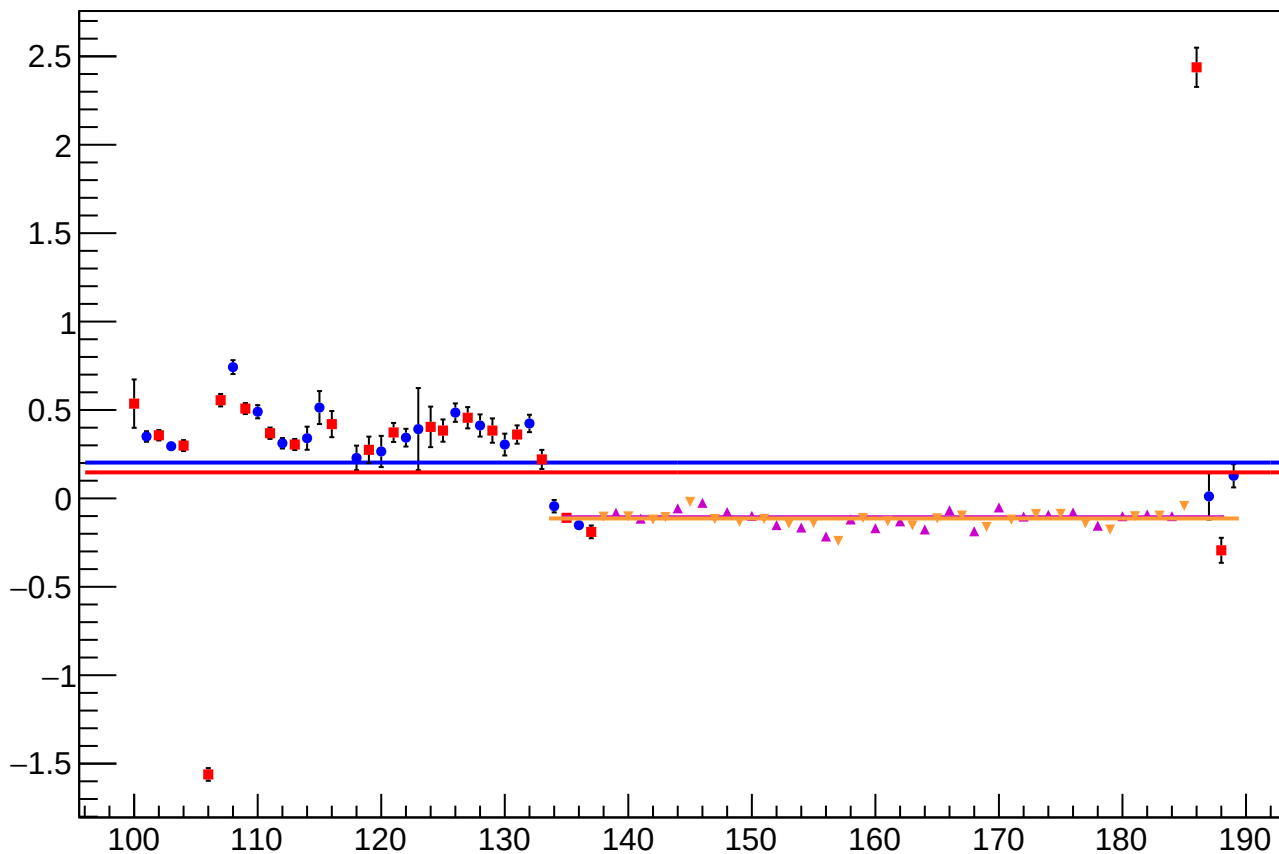
Right: 13.450 $\pm$ 0.121 χ^2 /NDF: 14644.2/39

In: 22.923 $\pm$ 0.051 χ^2 /NDF:12153.1/41

Out: 22.974 $\pm$ 0.051 χ^2 /NDF:12945.8/45

All: 22.949 $\pm$ 0.036 χ^2 /NDF: 25099.4/87

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 ± 0.009 $\chi^2/\text{NDF}: 849.7/18$

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 $\chi^2/\text{NDF}: 616.8/47$

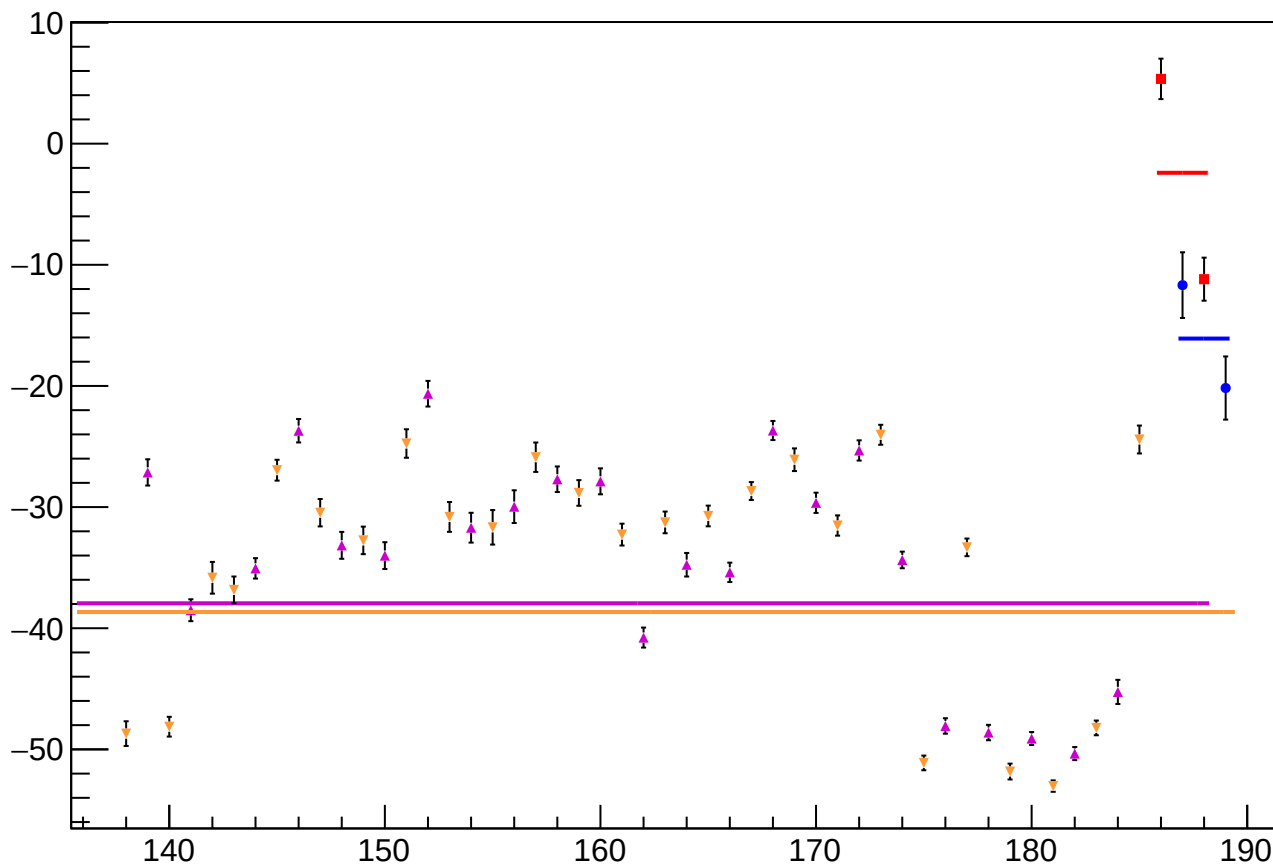
Right: 0.174 ± 0.006 $\chi^2/\text{NDF}: 4350.8/39$

In: -0.086 ± 0.002 $\chi^2/\text{NDF}: 2217.6/41$

Out: -0.096 ± 0.002 $\chi^2/\text{NDF}: 4541.6/45$

All: -0.091 ± 0.002 $\chi^2/\text{NDF}: 6768.0/87$

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.089 ± 1.879 $\chi^2/\text{NDF}: 5.1/1$
 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 $\chi^2/\text{NDF}: 7216.0/47$

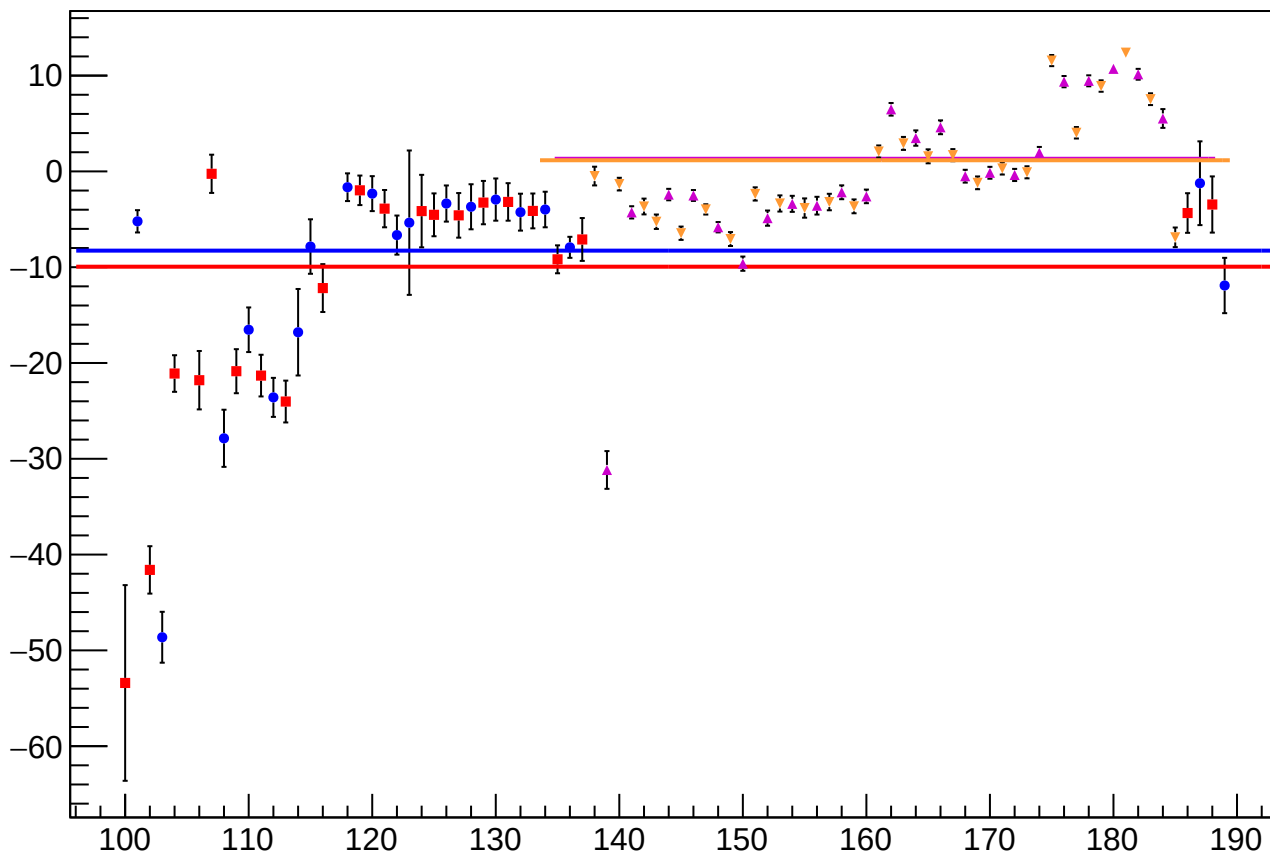
Right: -6.445 ± 1.021 $\chi^2/\text{NDF}: 88.5/3$

In: -37.757 ± 0.172 $\chi^2/\text{NDF}: 3272.4/24$

Out: -37.971 ± 0.168 $\chi^2/\text{NDF}: 4991.2/26$

All: -37.866 ± 0.120 $\chi^2/\text{NDF}: 8264.4/51$

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.271 $\pm$ 0.454 χ^2 /NDF: 416.3/18

Left Out: 1.163 $\pm$ 0.136 χ^2 /NDF:1786.1/24

Right Out: -9.948 $\pm$ 0.472 χ^2 /NDF: 441.7/20

Left In: 1.319 $\pm$ 0.139 χ^2 /NDF:2080.7/22

Left: 1.239 $\pm$ 0.097 χ^2 /NDF: 3867.4/47

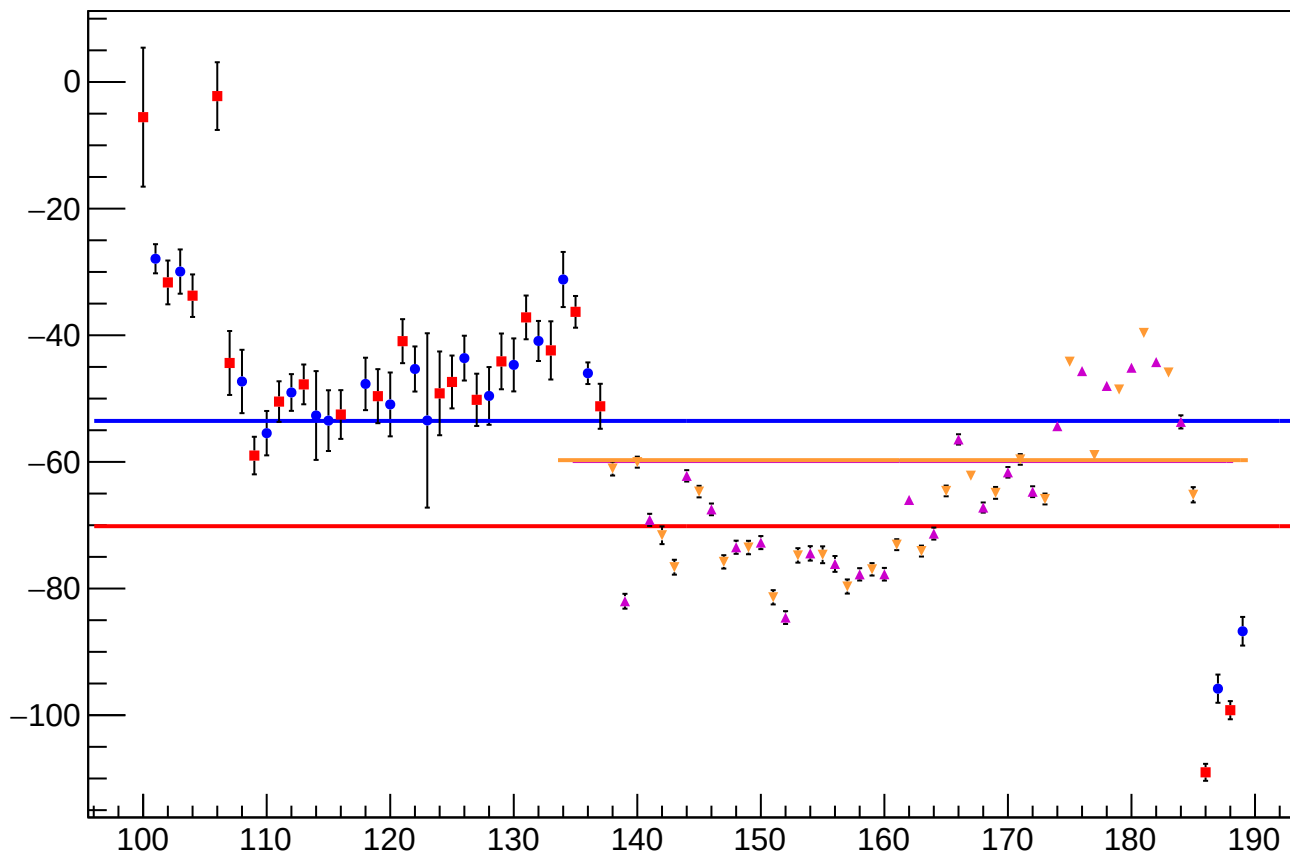
Right: -9.077 $\pm$ 0.327 χ^2 /NDF: 864.6/39

In: 0.491 $\pm$ 0.133 χ^2 /NDF:2905.0/41

Out: 0.306 $\pm$ 0.131 χ^2 /NDF:2739.8/45

All: 0.397 $\pm$ 0.093 χ^2 /NDF: 5645.8/87

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -53.527 ± 0.738 χ^2/NDF : 831.8/18

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

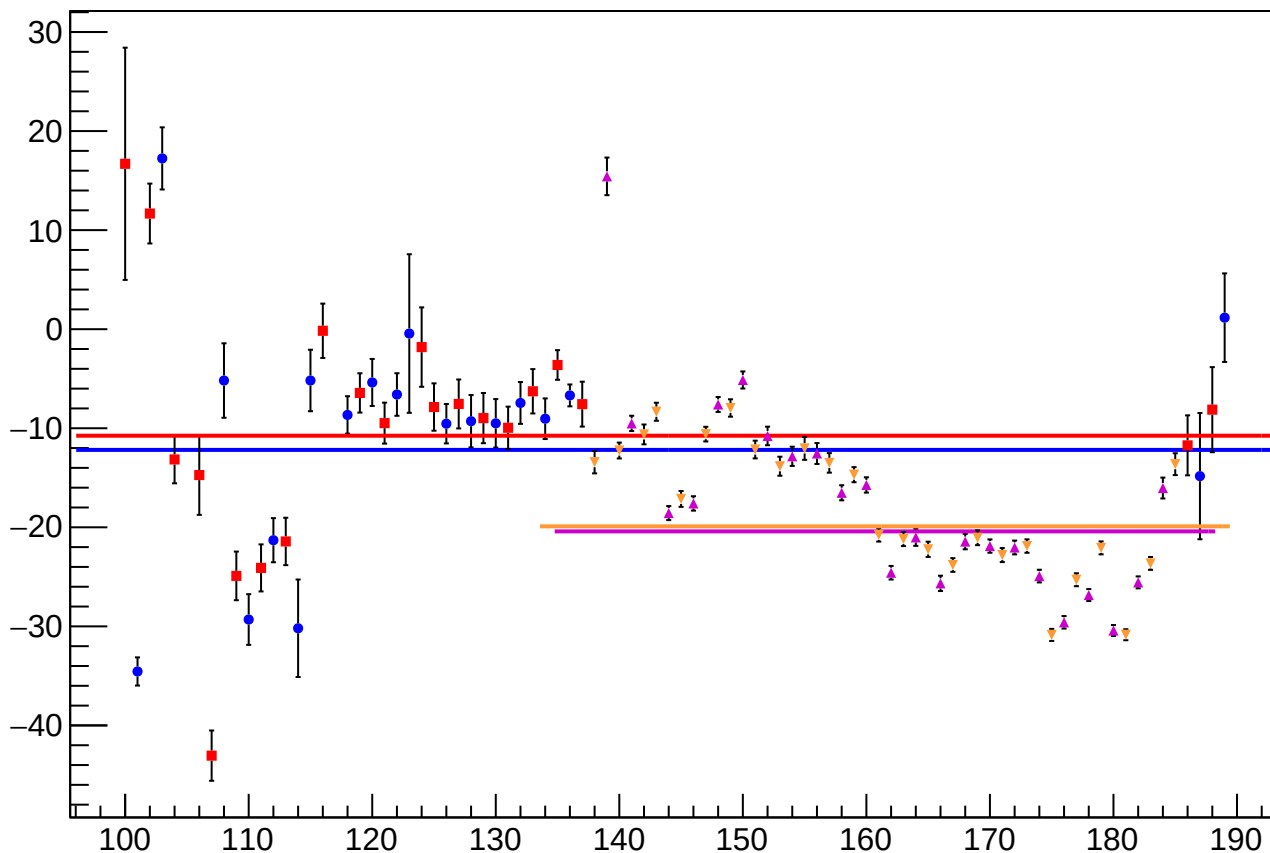
Right: -62.911 ± 0.487 χ^2/NDF : 3489.0/39

In: -59.536 ± 0.168 χ^2/NDF : 6176.7/41

Out: -60.397 ± 0.165 χ^2/NDF : 8402.7/45

All: -59.975 ± 0.118 χ^2/NDF : 14592.7/87

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

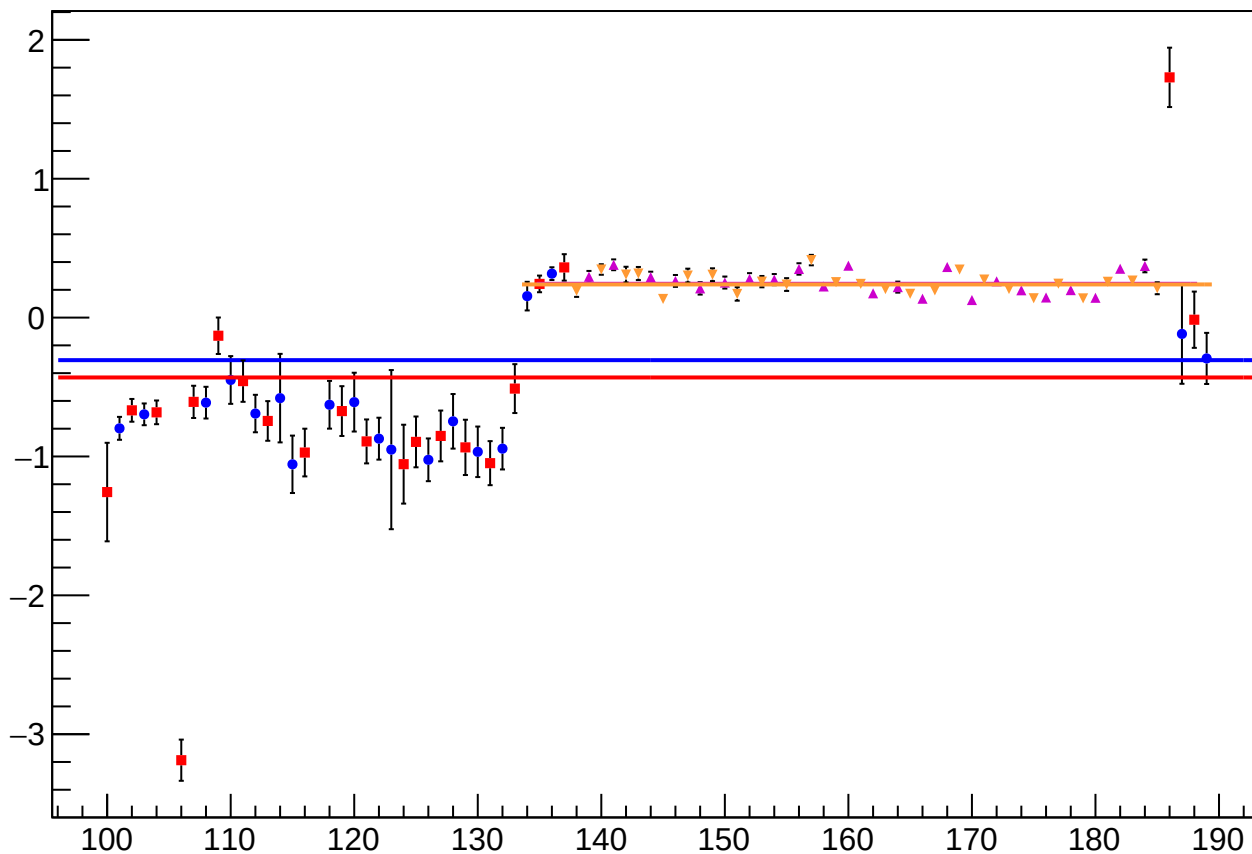


Right In: -12.185 ± 0.515 $\chi^2/\text{NDF}: 485.1/18$
 Left Out: -19.902 ± 0.153 $\chi^2/\text{NDF}: 1904.7/24$
 Right Out: -10.753 ± 0.540 $\chi^2/\text{NDF}: 367.1/20$
 Left In: -20.412 ± 0.156 $\chi^2/\text{NDF}: 2345.4/22$

Left: -20.152 ± 0.109 $\chi^2/\text{NDF}: 4255.5/47$
 Right: -11.504 ± 0.373 $\chi^2/\text{NDF}: 855.9/39$
 In: -19.718 ± 0.149 $\chi^2/\text{NDF}: 3064.6/41$
 Out: -19.222 ± 0.147 $\chi^2/\text{NDF}: 2537.2/45$

All: -19.466 ± 0.105 $\chi^2/\text{NDF}: 5607.4/87$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 ± 0.027 χ^2/NDF : 372.7/18

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

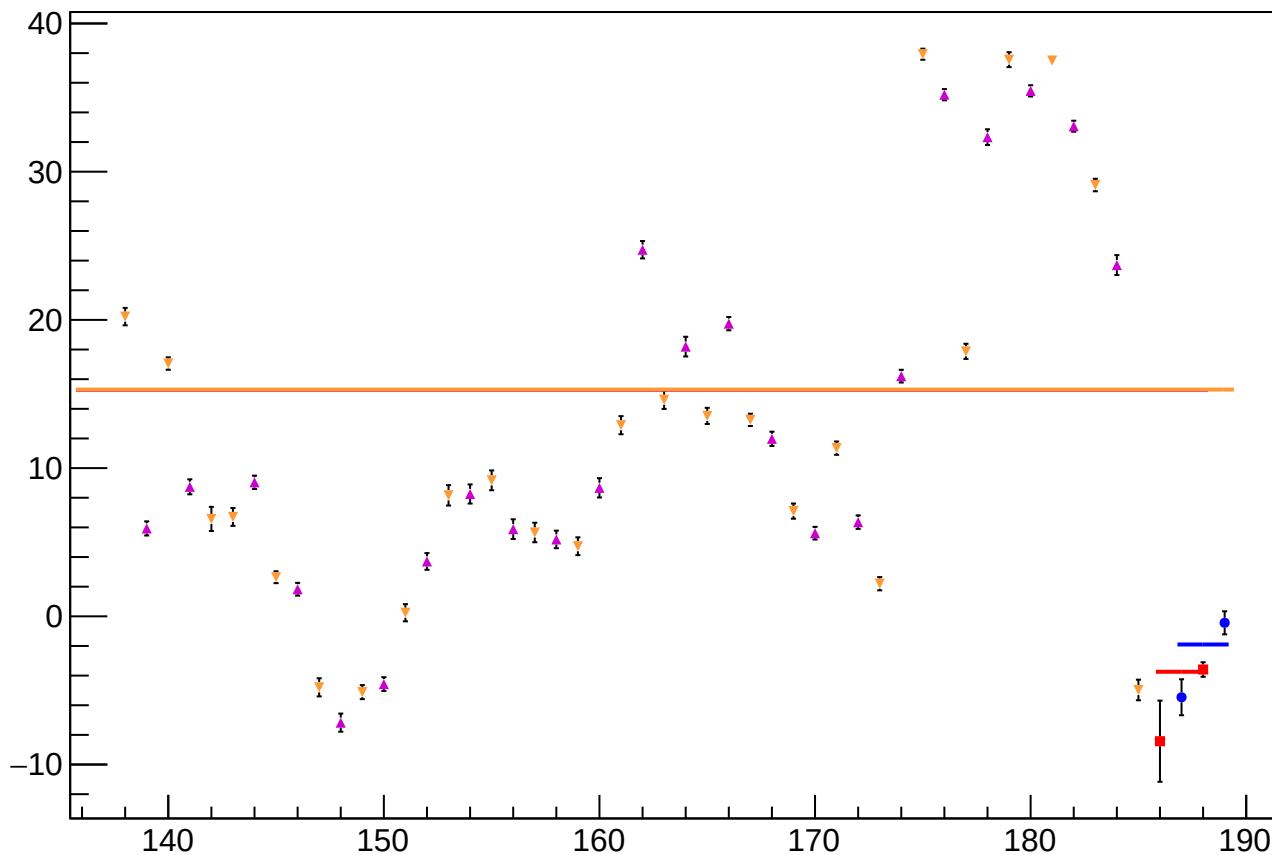
Right: -0.367 ± 0.019 χ^2/NDF : 1123.2/39

In: 0.208 ± 0.007 χ^2/NDF : 896.0/41

Out: 0.199 ± 0.007 χ^2/NDF : 1372.0/45

All: 0.203 ± 0.005 χ^2/NDF : 2268.7/87

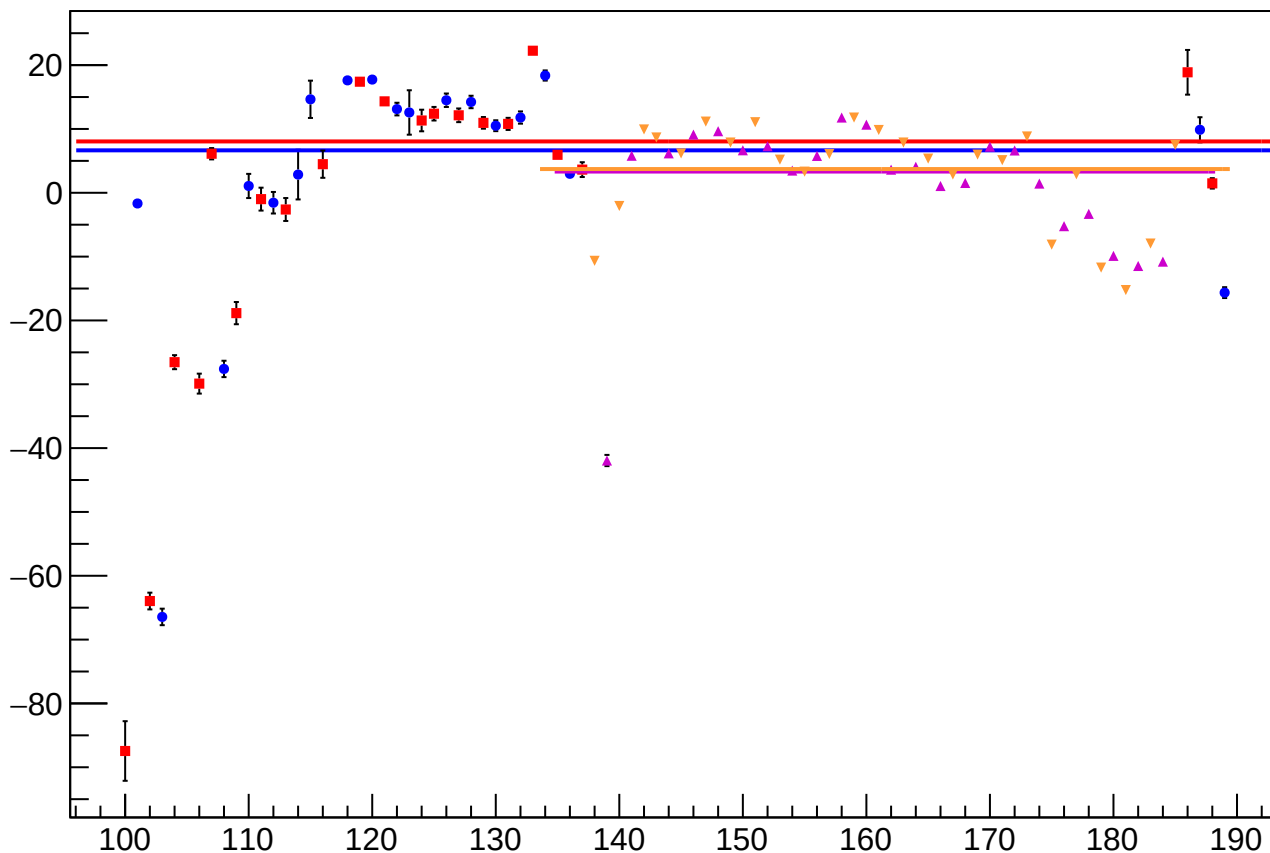
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.900 ± 0.655 χ^2/NDF : 12.1/1
 Left Out: 15.298 ± 0.101 χ^2/NDF : 19135.0/24
 Right Out: -3.741 ± 0.484 χ^2/NDF : 3.0/1
 Left In: 15.268 ± 0.102 χ^2/NDF : 16406.3/22

Left: 15.283 ± 0.072 χ^2/NDF : 35541.3/47
 Right: -3.091 ± 0.389 χ^2/NDF : 20.3/3
 In: 14.861 ± 0.101 χ^2/NDF : 17089.0/24
 Out: 14.509 ± 0.099 χ^2/NDF : 20620.9/26
 All: 14.681 ± 0.071 χ^2/NDF : 37716.2/51

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.649 ± 0.207 χ^2/NDF : 6099.8/18

Left Out: 3.717 ± 0.079 χ^2/NDF : 9201.0/24

Right Out: 8.045 ± 0.206 χ^2/NDF : 6782.5/20

Left In: 3.327 ± 0.081 χ^2/NDF : 8830.5/22

Left: 3.527 ± 0.057 χ^2/NDF : 18043.4/47

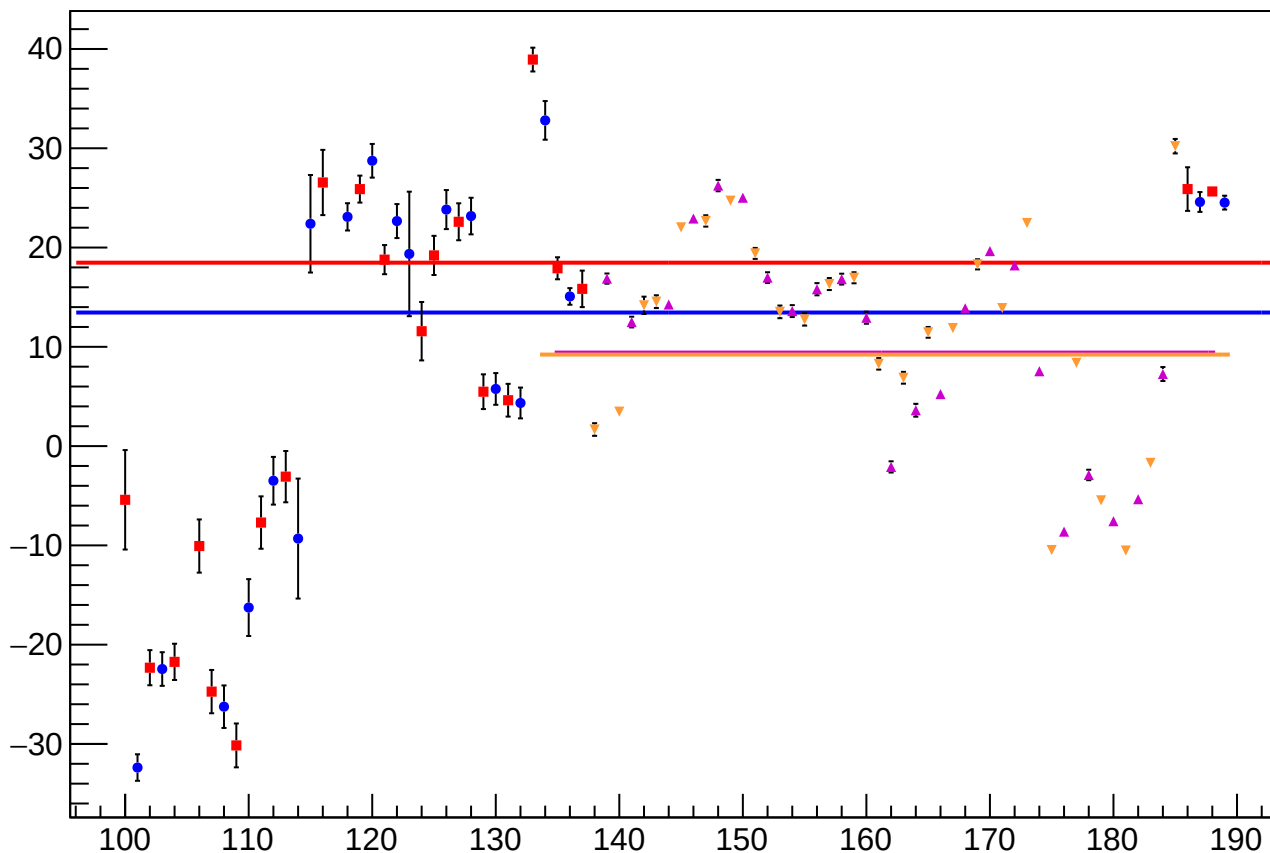
Right: 7.352 ± 0.146 χ^2/NDF : 12905.2/39

In: 3.766 ± 0.075 χ^2/NDF : 15153.0/41

Out: 4.271 ± 0.074 χ^2/NDF : 16368.1/45

All: 4.025 ± 0.053 χ^2/NDF : 31544.1/87

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 13.455 $\pm$ 0.336 χ^2 /NDF: 2898.4/18

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

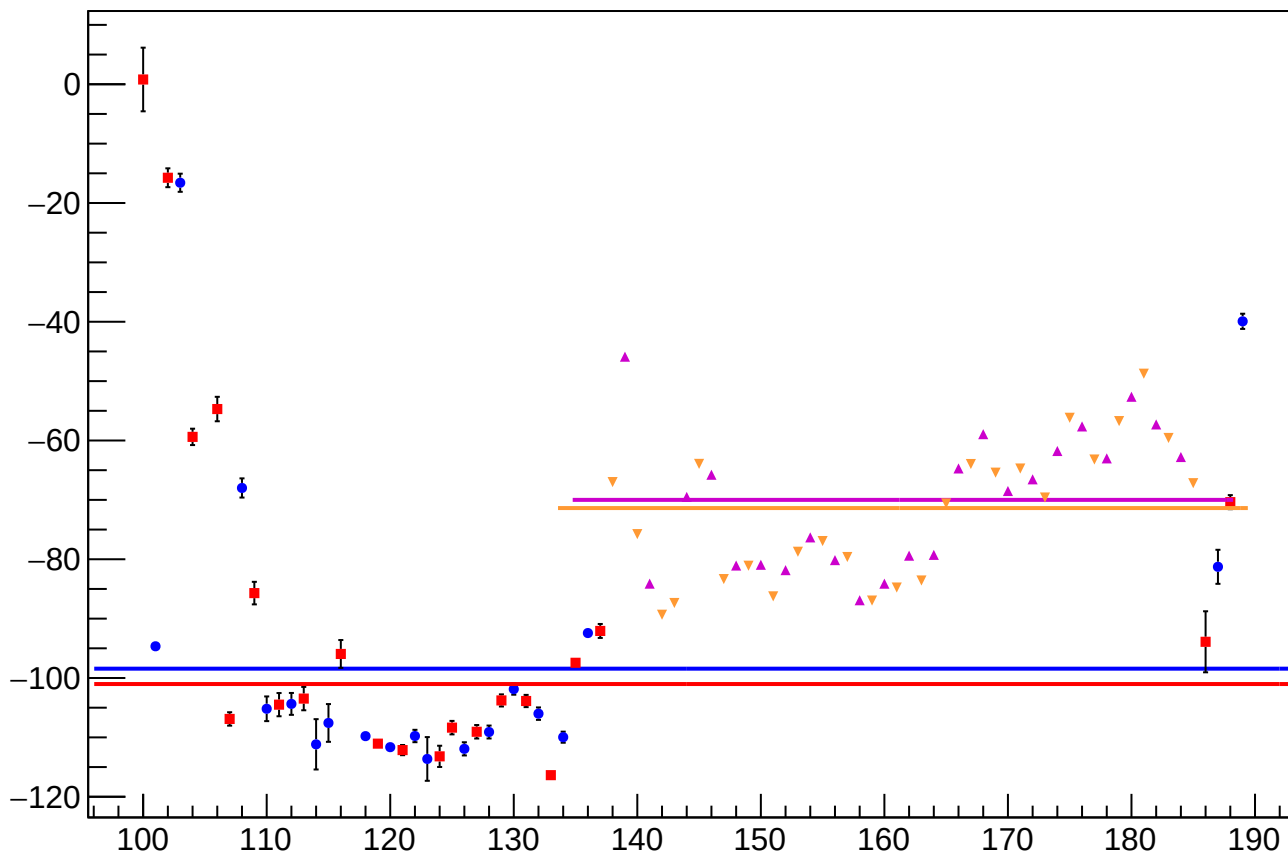
Right: 16.378 $\pm$ 0.217 χ^2 /NDF: 6028.9/39

In: 9.760 $\pm$ 0.098 χ^2 /NDF:15108.3/41

Out: 10.254 $\pm$ 0.095 χ^2 /NDF:17554.3/45

All: 10.013 $\pm$ 0.068 χ^2 /NDF: 32675.8/87

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -98.428 ± 0.243 $\chi^2/\text{NDF}: 6734.9/18$

Left Out: -71.379 ± 0.089 $\chi^2/\text{NDF}: 16226.2/24$

Right Out: -101.016 ± 0.241 $\chi^2/\text{NDF}: 6778.3/20$

Left In: -69.999 ± 0.091 $\chi^2/\text{NDF}: 13188.0/22$

Left: -70.704 ± 0.064 $\chi^2/\text{NDF}: 29530.5/47$

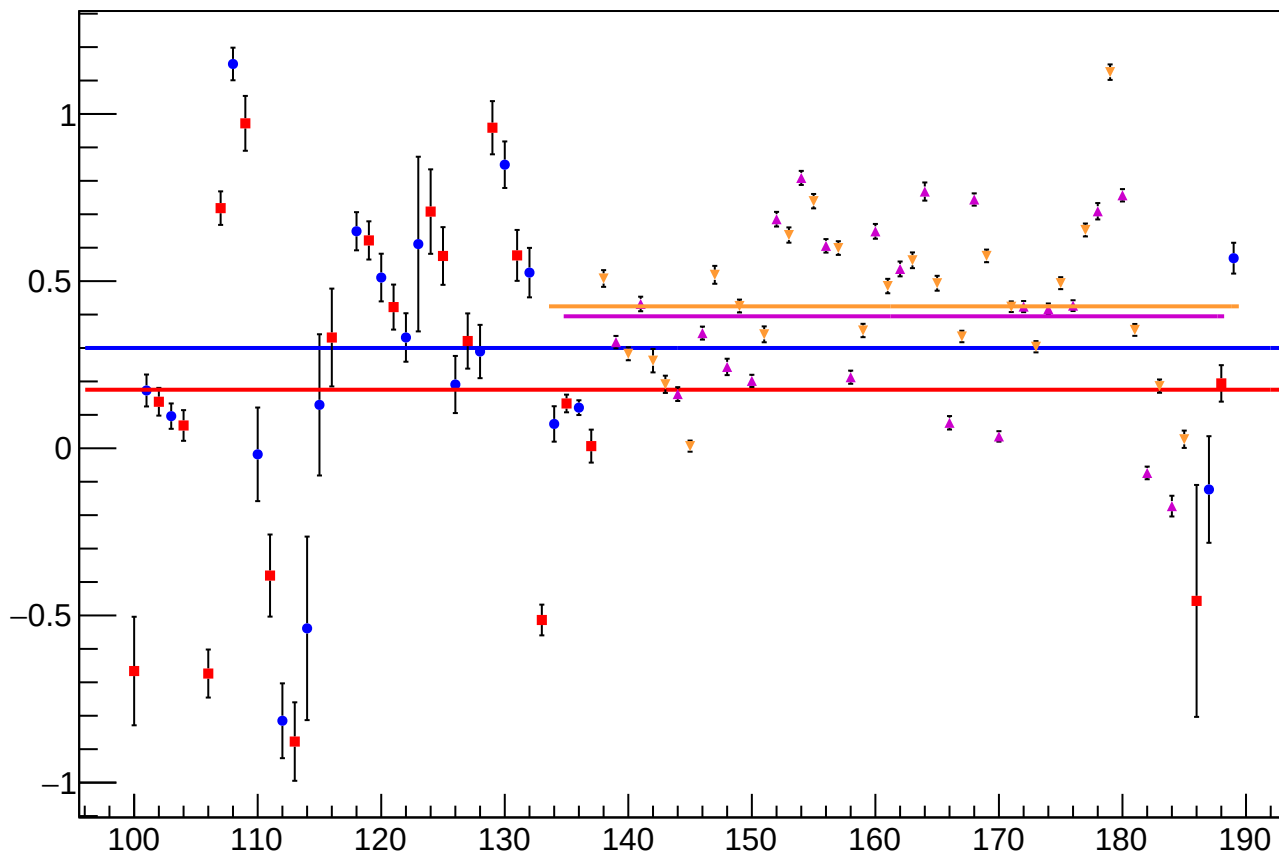
Right: -99.732 ± 0.171 $\chi^2/\text{NDF}: 13570.4/39$

In: -73.533 ± 0.086 $\chi^2/\text{NDF}: 31947.8/41$

Out: -74.975 ± 0.084 $\chi^2/\text{NDF}: 36313.0/45$

All: -74.268 ± 0.060 $\chi^2/\text{NDF}: 68405.6/87$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.300 $\pm$ 0.013 χ^2/NDF : 699.2/18

Left Out: 0.425 $\pm$ 0.004 χ^2/NDF : 2866.9/24

Right Out: 0.175 $\pm$ 0.013 χ^2/NDF : 970.1/20

Left In: 0.395 $\pm$ 0.004 χ^2/NDF : 4063.1/22

Left: 0.410 $\pm$ 0.003 χ^2/NDF : 6956.2/47

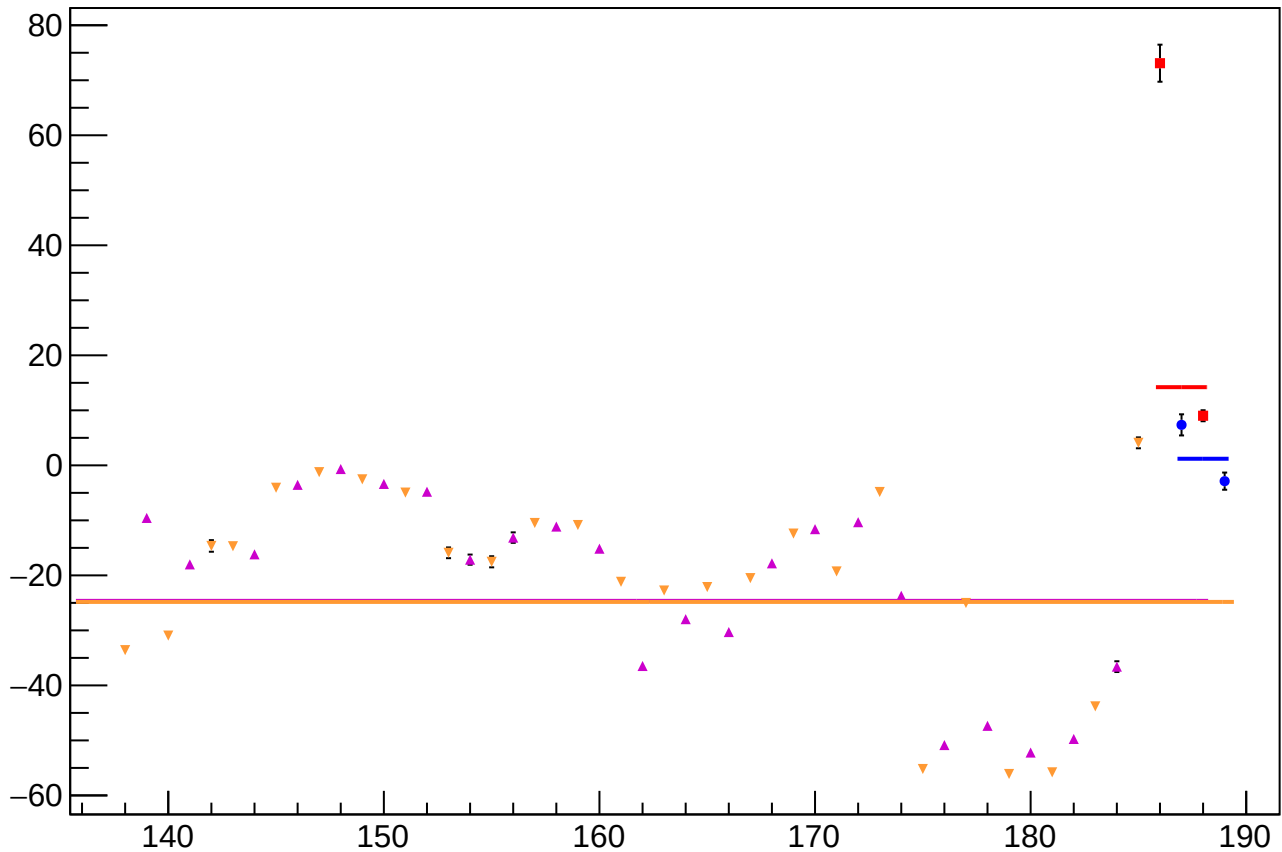
Right: 0.238 $\pm$ 0.009 χ^2/NDF : 1715.7/39

In: 0.386 $\pm$ 0.004 χ^2/NDF : 4811.3/41

Out: 0.402 $\pm$ 0.004 χ^2/NDF : 4169.7/45

All: 0.394 $\pm$ 0.003 χ^2/NDF : 8989.6/87

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.199+/-1.211 χ^2/NDF : 17.1/1

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

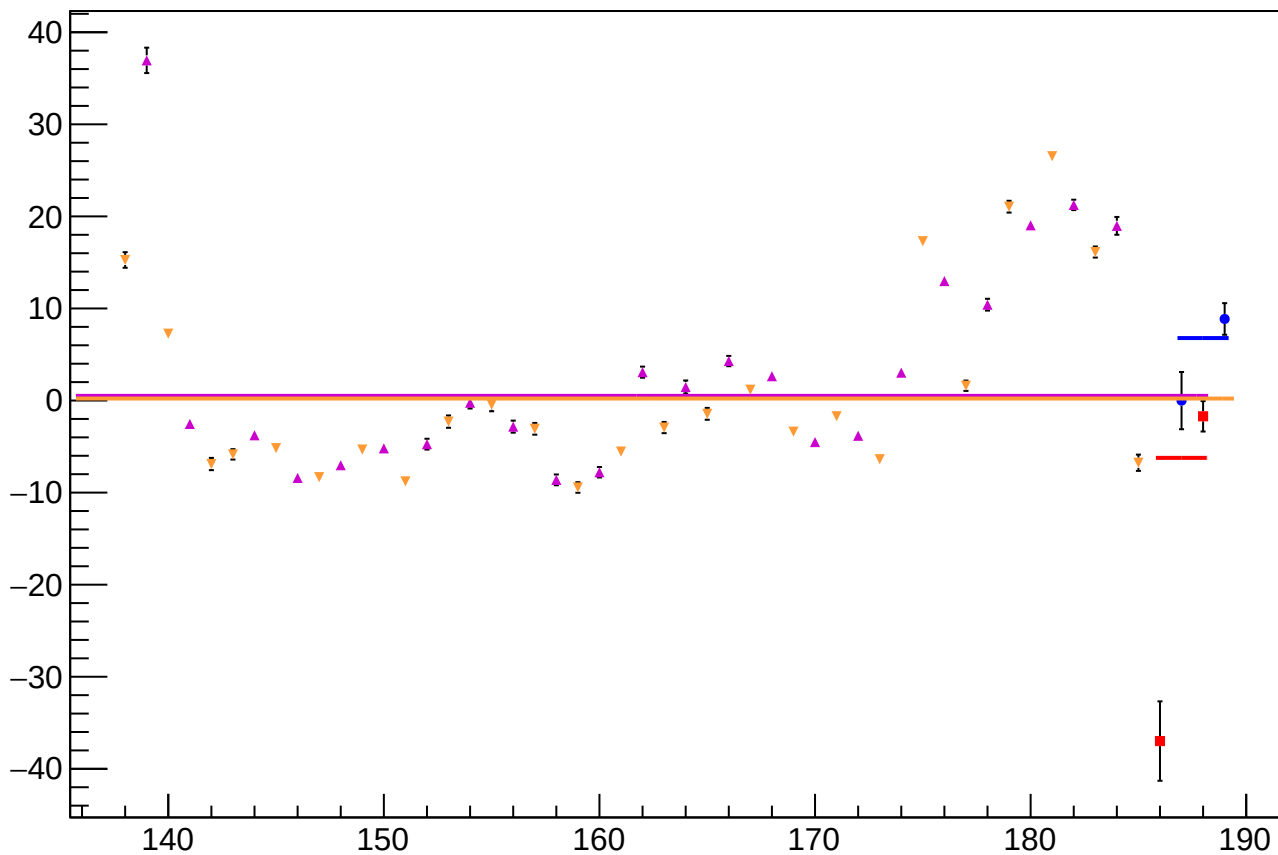
Right: 9.198+/-0.752 χ^2/NDF : 420.6/3

In: -24.285+/-0.141 χ^2/NDF : 15413.6/24

Out: -24.013+/-0.138 χ^2/NDF : 20229.6/26

All: -24.146+/-0.099 χ^2/NDF : 35645.1/51

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.785+/-1.503 χ^2/NDF : 6.2/1

Left Out: 0.218+/-0.109 χ^2/NDF :8252.6/24

Right Out: -6.227+/-1.543 χ^2/NDF : 58.3/1

Left In: 0.507+/-0.112 χ^2/NDF :6626.9/22

Left: 0.358+/-0.078 χ^2/NDF : 14883.0/47

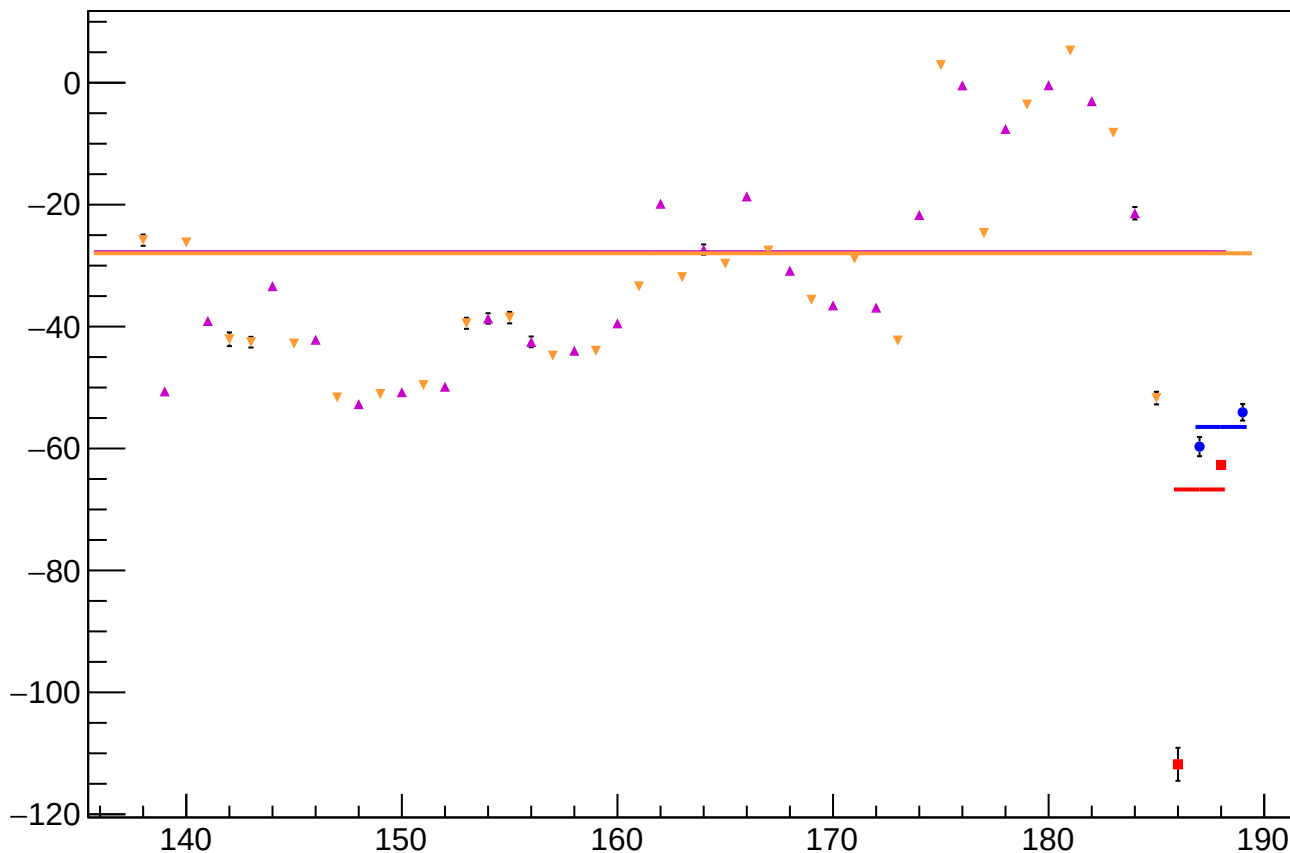
Right: 0.450+/-1.077 χ^2/NDF : 101.0/3

In: 0.541+/-0.111 χ^2/NDF :6650.5/24

Out: 0.186+/-0.109 χ^2/NDF :8328.2/26

All: 0.359+/-0.078 χ^2/NDF : 14983.9/51

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.462 $\pm$ 1.032 χ^2 /NDF: 7.3/1

Left Out: -27.977 $\pm$ 0.140 χ^2 /NDF:17079.0/24

Right Out: -66.718 $\pm$ 0.774 χ^2 /NDF: 302.4/1

Left In: -27.796 $\pm$ 0.142 χ^2 /NDF:15193.3/22

Left: -27.888 $\pm$ 0.100 χ^2 /NDF: 32273.2/47

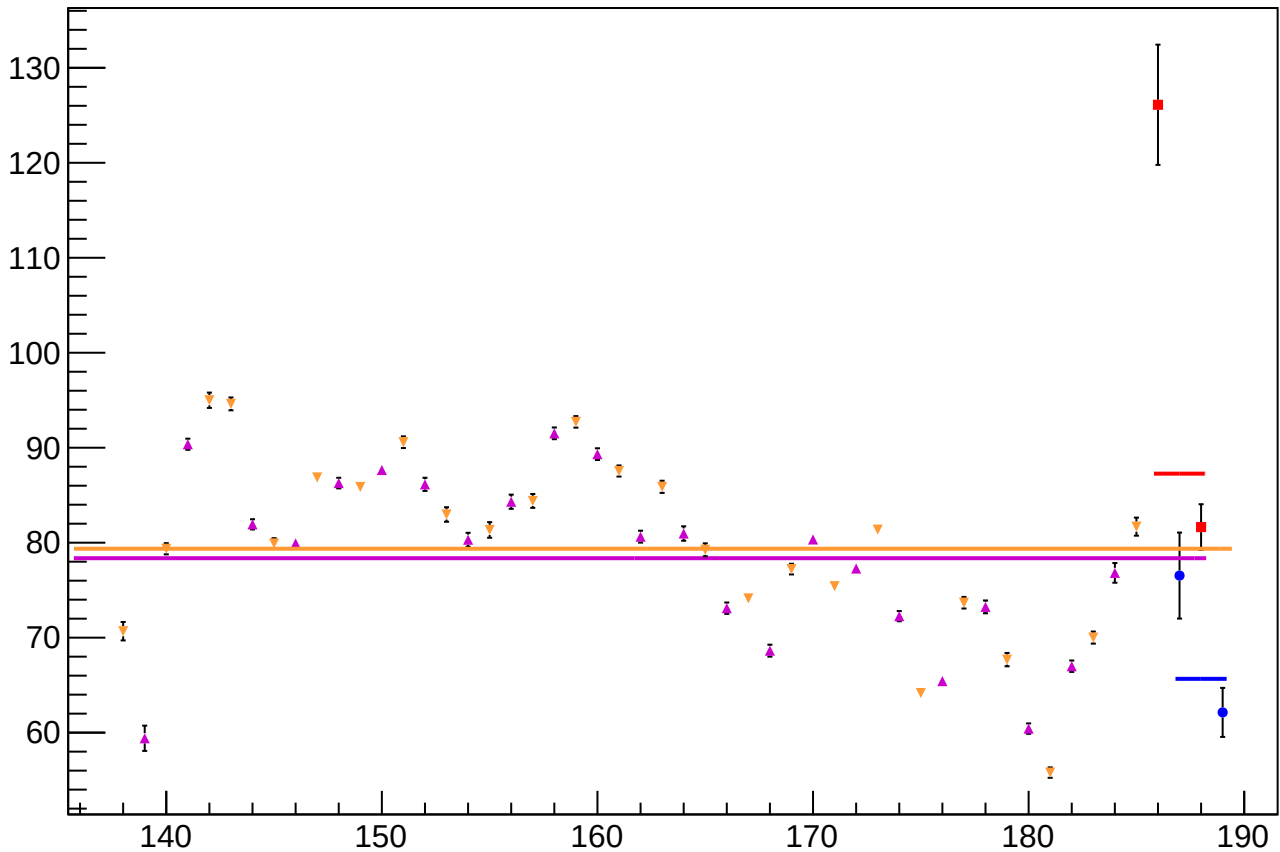
Right: -63.025 $\pm$ 0.619 χ^2 /NDF: 372.9/3

In: -28.327 $\pm$ 0.140 χ^2 /NDF:15957.2/24

Out: -29.206 $\pm$ 0.138 χ^2 /NDF:19805.1/26

All: -28.774 $\pm$ 0.098 χ^2 /NDF: 35782.3/51

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 65.665 $\pm$ 2.243 χ^2 /NDF: 7.6/1

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

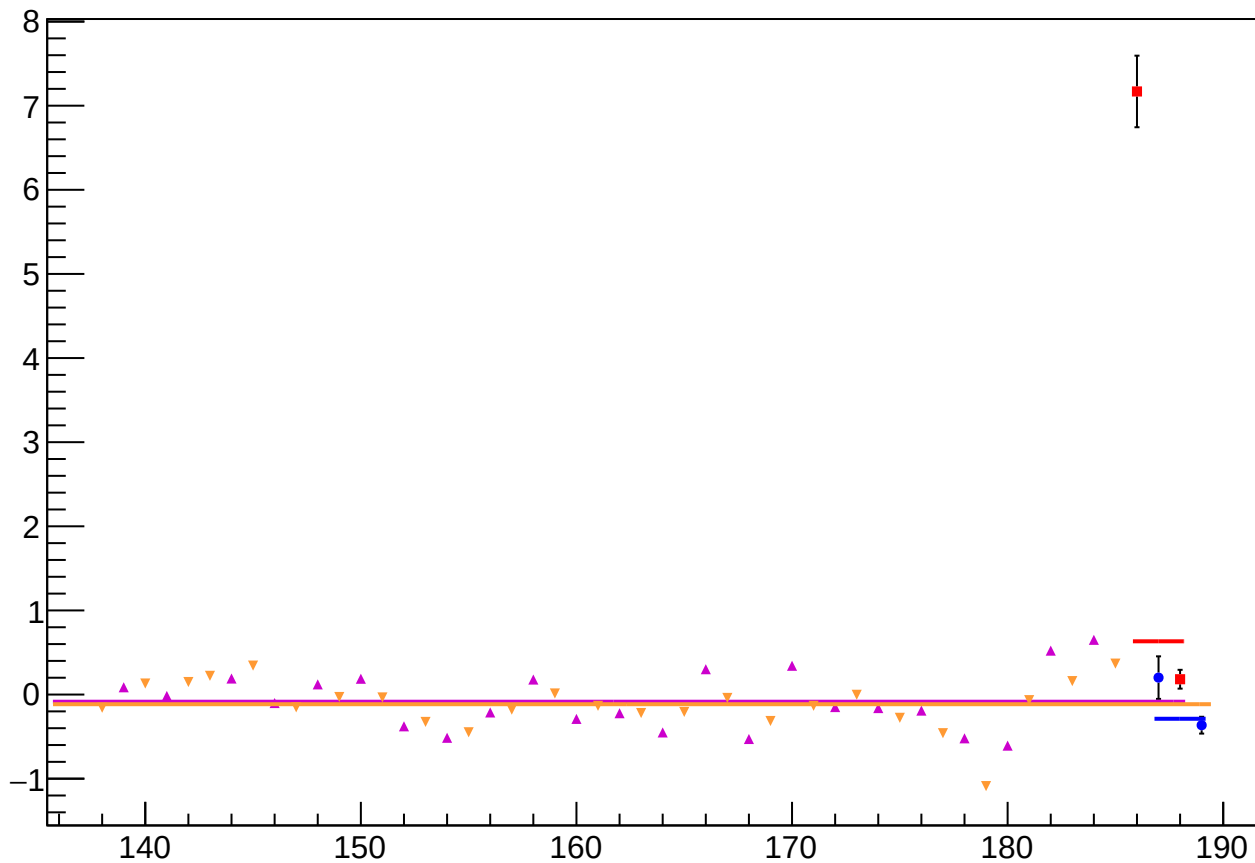
Right: 76.425 $\pm$ 1.589 χ^2 /NDF: 97.0/3

In: 78.327 $\pm$ 0.126 χ^2 /NDF: 4775.1/24

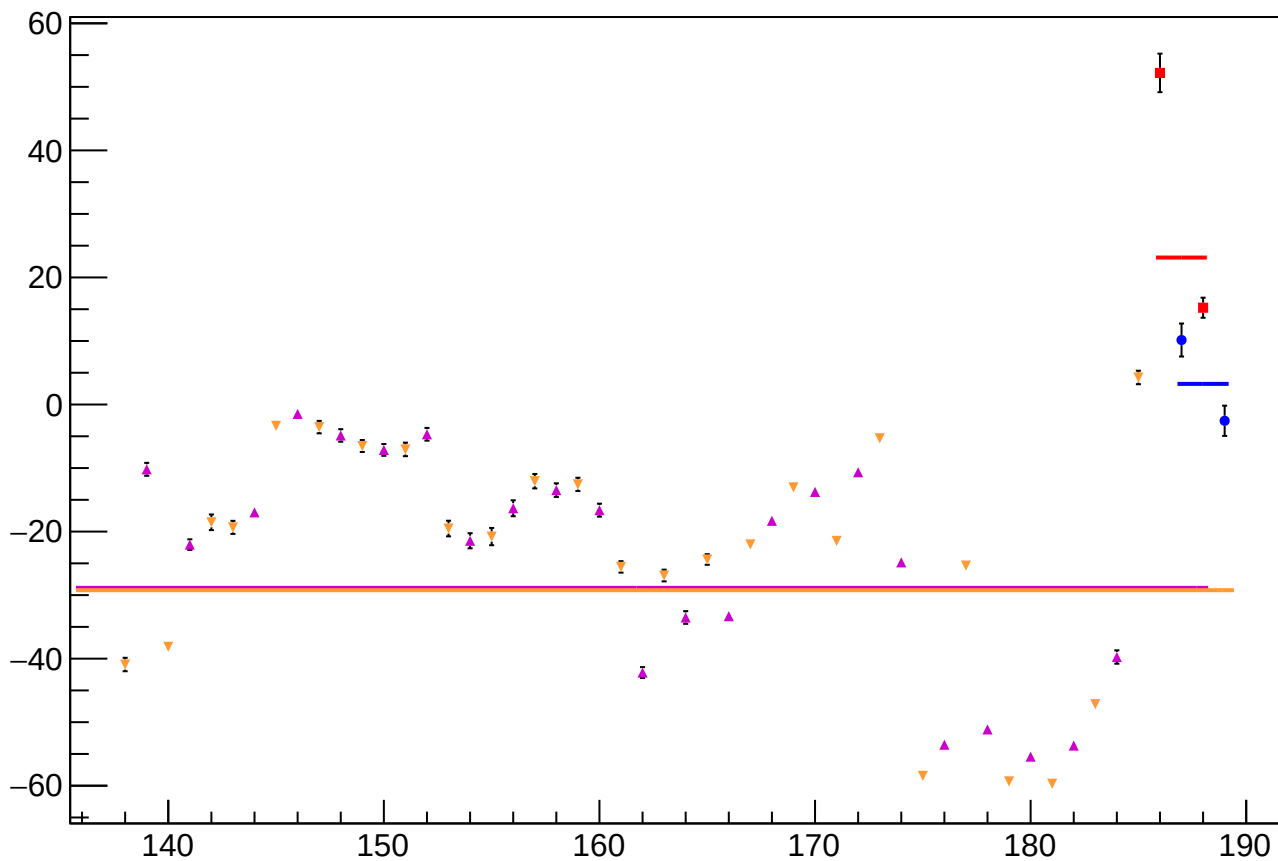
Out: 79.387 $\pm$ 0.123 χ^2 /NDF: 6021.7/26

All: 78.869 $\pm$ 0.088 χ^2 /NDF: 10833.0/51

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 3.246+/-1.755 χ^2/NDF : 13.0/1

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

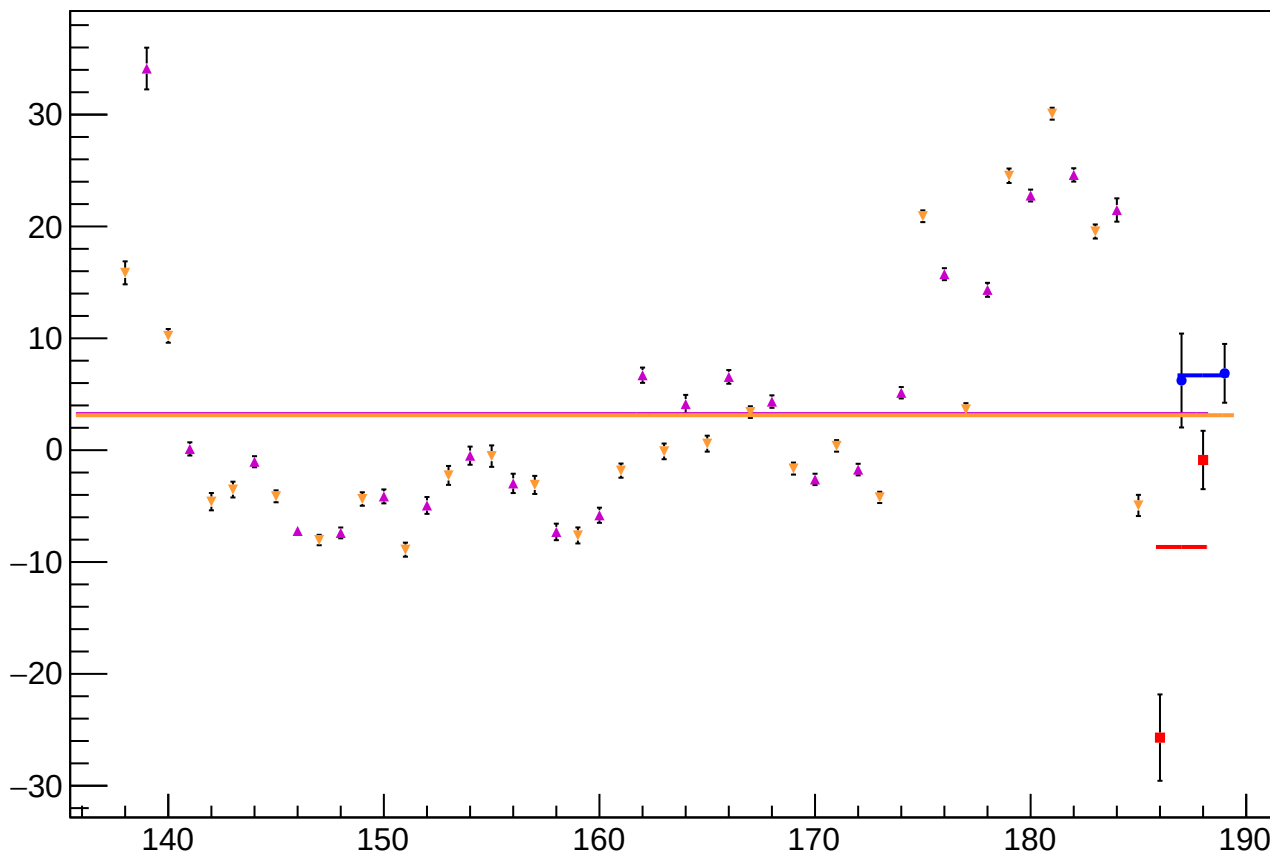
Right: 15.392+/-1.095 χ^2/NDF : 208.4/3

In: -28.595+/-0.158 χ^2/NDF :13898.7/24

Out: -28.578+/-0.156 χ^2/NDF :18376.7/26

All: -28.586+/-0.111 χ^2/NDF : 32275.3/51

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.689 ± 2.228 $\chi^2/\text{NDF}: 0.0/1$

Left Out: 3.126 ± 0.125 $\chi^2/\text{NDF}: 8049.0/24$

Right Out: -8.654 ± 2.161 $\chi^2/\text{NDF}: 28.4/1$

Left In: 3.224 ± 0.127 $\chi^2/\text{NDF}: 6274.0/22$

Left: 3.174 ± 0.089 $\chi^2/\text{NDF}: 14323.3/47$

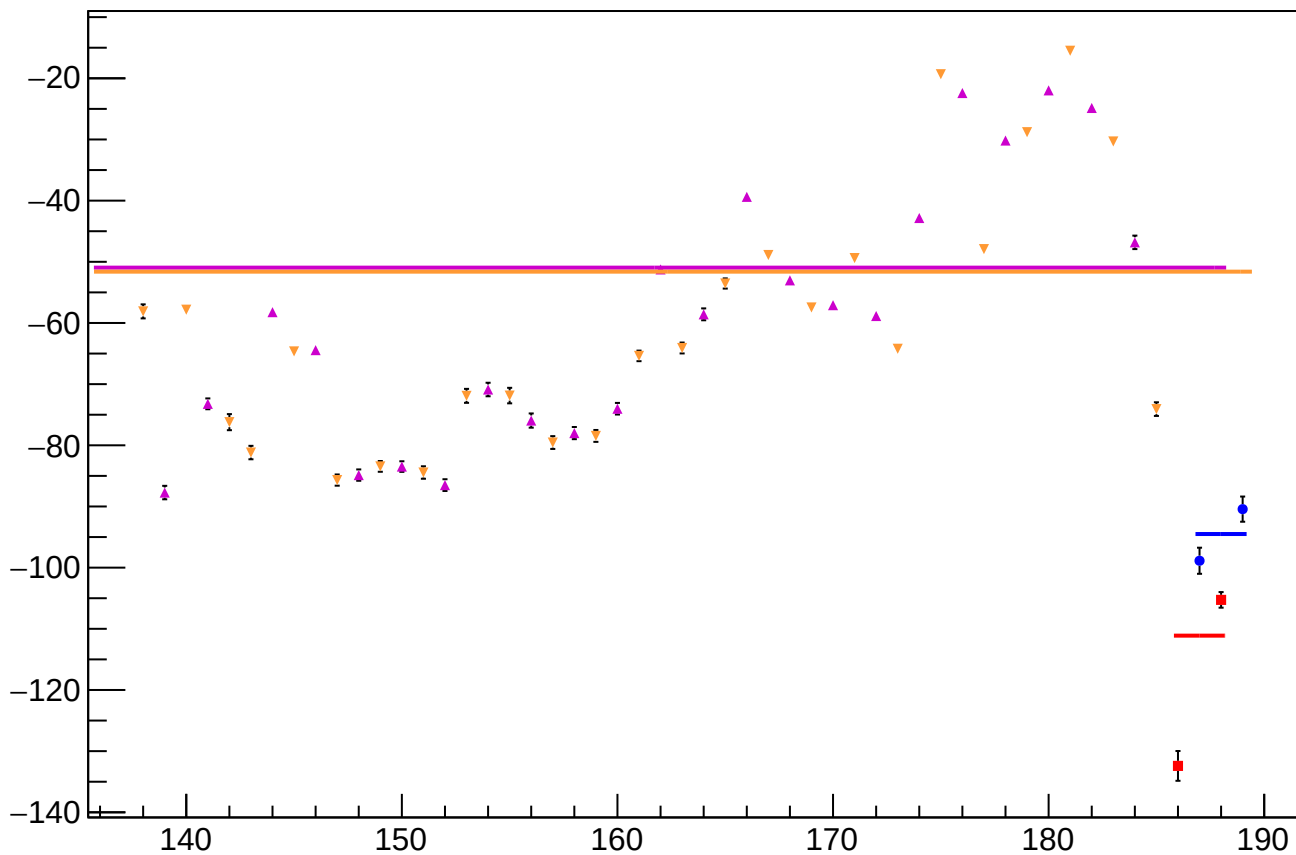
Right: -1.217 ± 1.551 $\chi^2/\text{NDF}: 52.8/3$

In: 3.235 ± 0.126 $\chi^2/\text{NDF}: 6276.4/24$

Out: 3.086 ± 0.124 $\chi^2/\text{NDF}: 8107.0/26$

All: 3.160 ± 0.089 $\chi^2/\text{NDF}: 14384.1/51$

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -94.503 ± 1.482 χ^2/NDF : 8.1/1

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

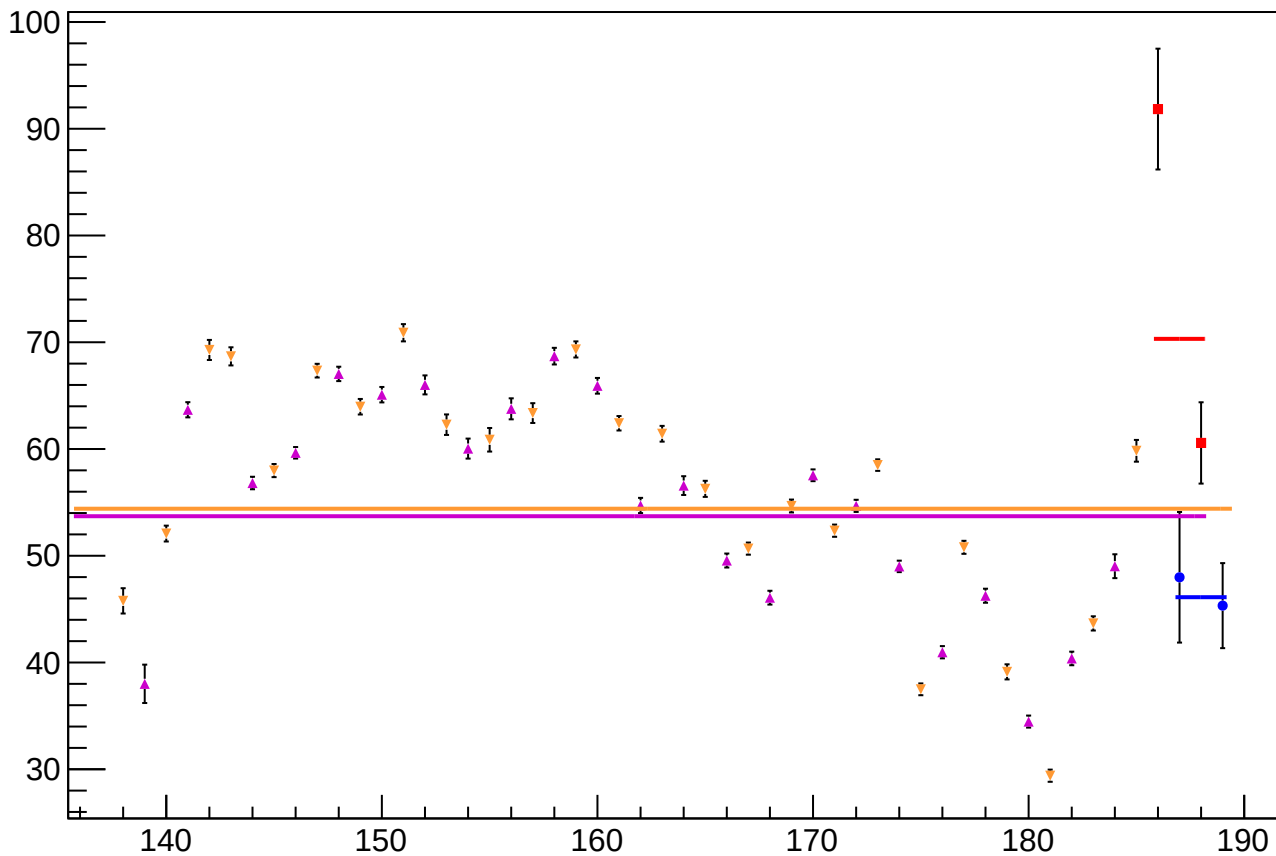
Right: -105.006 ± 0.899 χ^2/NDF : 185.1/3

In: -51.453 ± 0.159 χ^2/NDF : 18334.4/24

Out: -52.752 ± 0.157 χ^2/NDF : 22201.9/26

All: -52.111 ± 0.111 χ^2/NDF : 40570.3/51

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 46.118 $\pm$ 3.338 χ^2 /NDF: 0.1/1

Left Out: 54.407 $\pm$ 0.141 χ^2 /NDF: 6200.4/24

Right Out: 70.318 $\pm$ 3.160 χ^2 /NDF: 21.0/1

Left In: 53.704 $\pm$ 0.143 χ^2 /NDF: 4603.5/22

Left: 54.060 $\pm$ 0.100 χ^2 /NDF: 10816.3/47

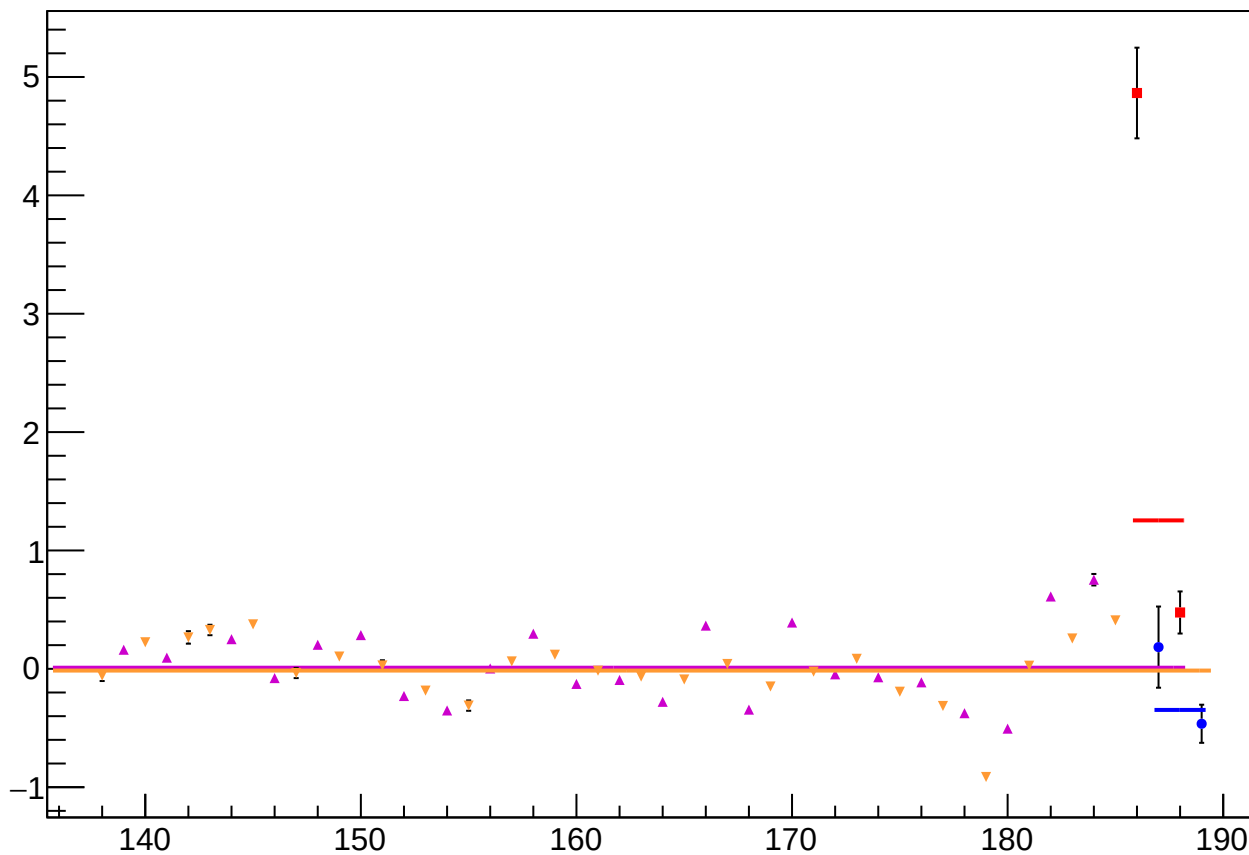
Right: 58.880 $\pm$ 2.295 χ^2 /NDF: 48.9/3

In: 53.690 $\pm$ 0.142 χ^2 /NDF: 4608.8/24

Out: 54.438 $\pm$ 0.140 χ^2 /NDF: 6246.8/26

All: 54.069 $\pm$ 0.100 χ^2 /NDF: 10869.6/51

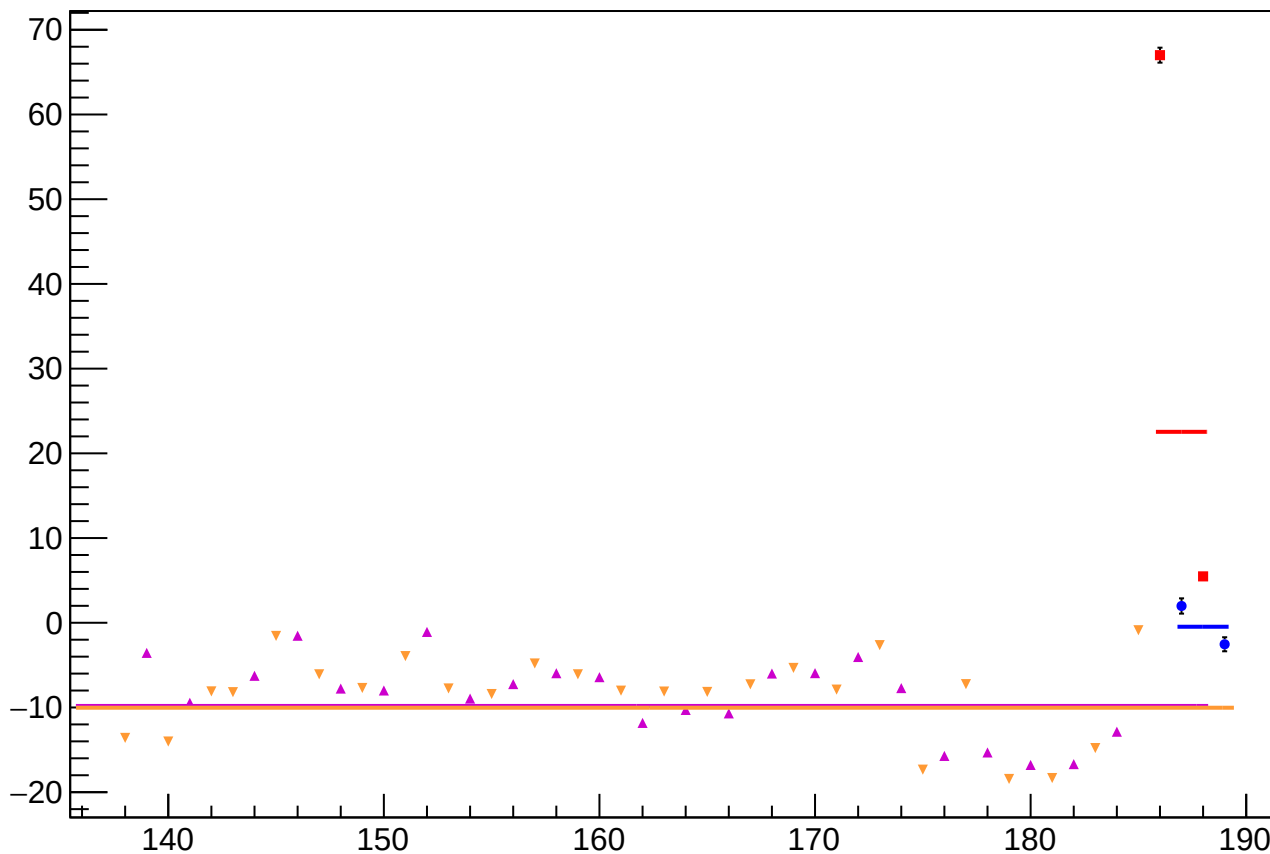
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.347 ± 0.146 $\chi^2/\text{NDF}: 2.9/1$
 Left Out: -0.015 ± 0.006 $\chi^2/\text{NDF}: 1645.9/24$
 Right Out: 1.254 ± 0.161 $\chi^2/\text{NDF}: 108.0/1$
 Left In: 0.009 ± 0.007 $\chi^2/\text{NDF}: 2228.9/22$

Left: -0.003 ± 0.005 $\chi^2/\text{NDF}: 3881.7/47$
 Right: 0.373 ± 0.108 $\chi^2/\text{NDF}: 165.2/3$
 In: 0.009 ± 0.007 $\chi^2/\text{NDF}: 2237.8/24$
 Out: -0.013 ± 0.006 $\chi^2/\text{NDF}: 1815.7/26$
 All: -0.002 ± 0.005 $\chi^2/\text{NDF}: 4058.9/51$

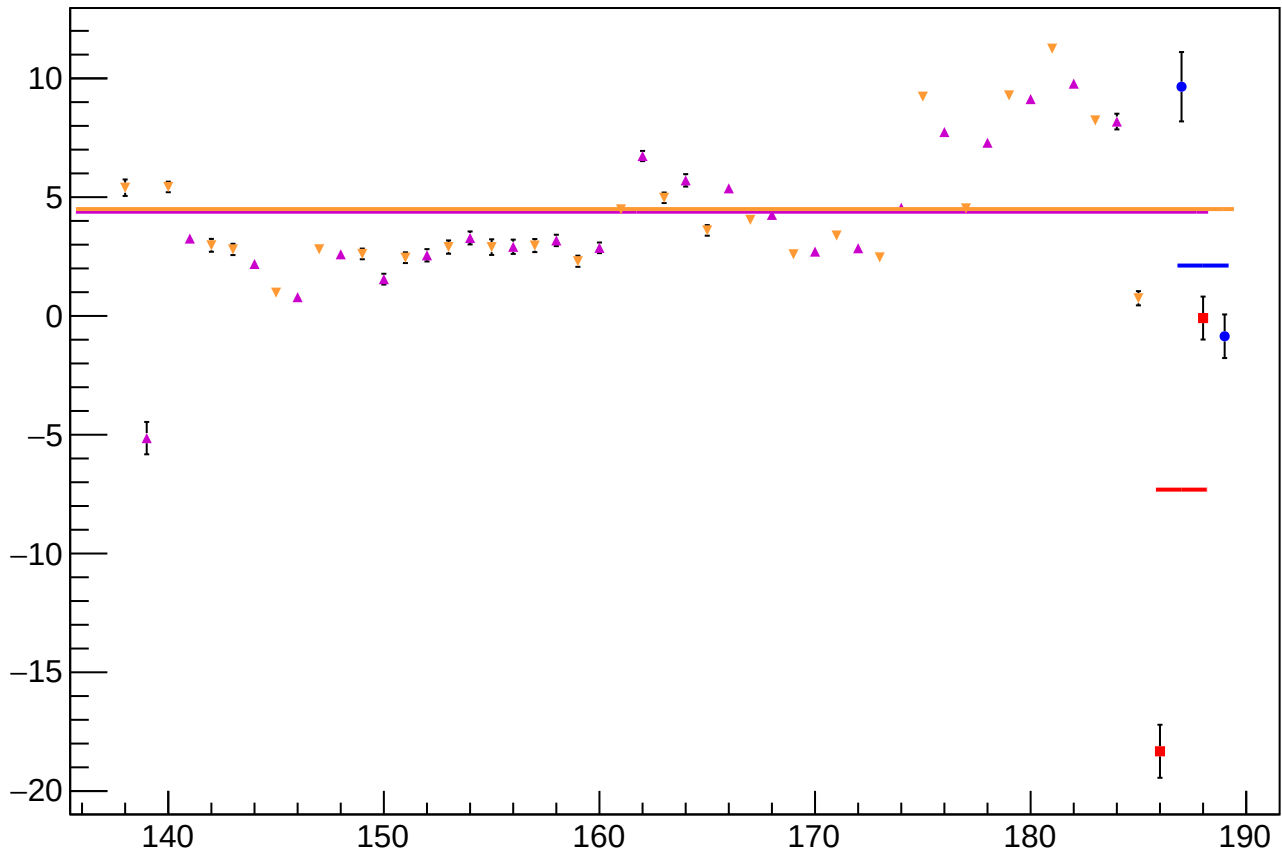
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



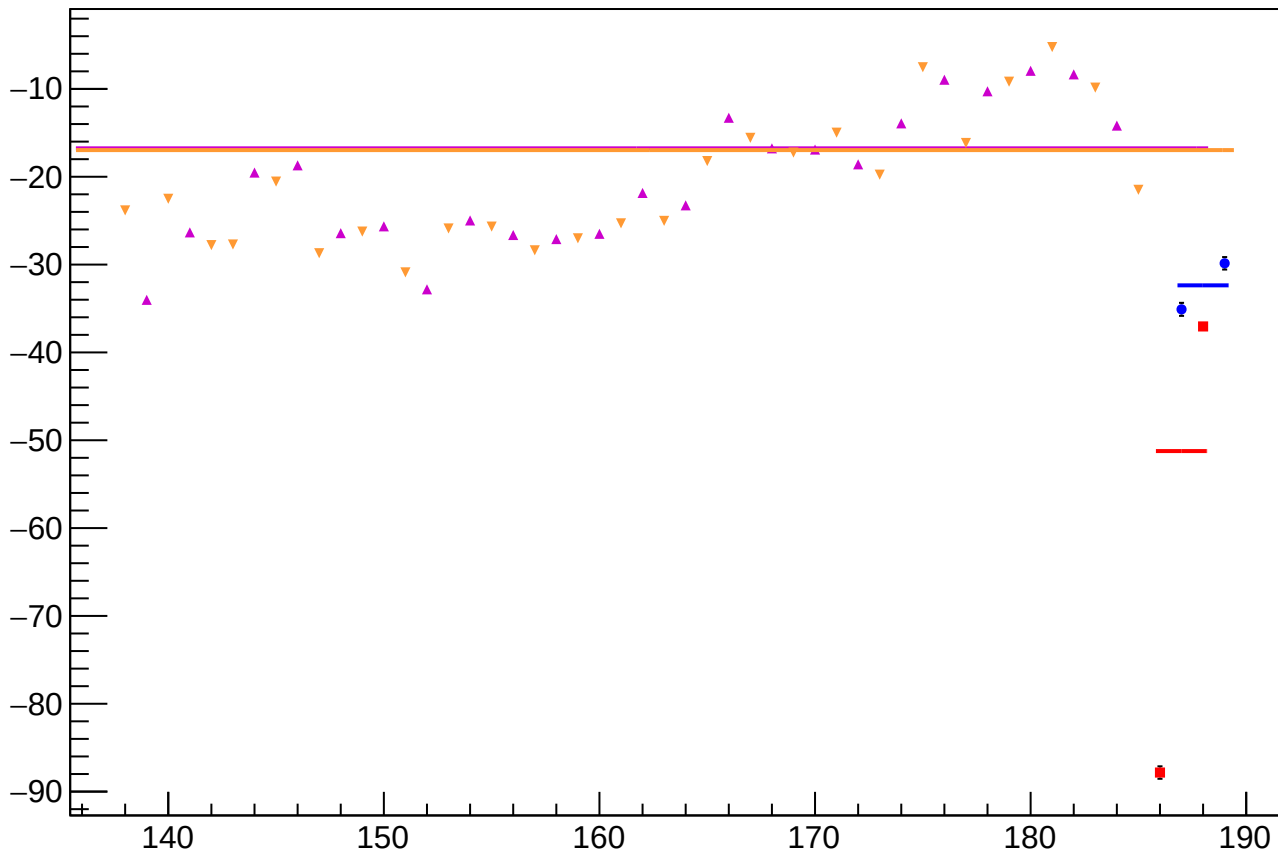
Right In: -0.469 ± 0.610 $\chi^2/\text{NDF}: 13.6/1$
 Left Out: -10.030 ± 0.051 $\chi^2/\text{NDF}: 12530.2/24$
 Right Out: 22.539 ± 0.466 $\chi^2/\text{NDF}: 3494.1/1$
 Left In: -9.820 ± 0.051 $\chi^2/\text{NDF}: 9468.8/22$

Left: -9.926 ± 0.036 $\chi^2/\text{NDF}: 22007.5/47$
 Right: 14.067 ± 0.370 $\chi^2/\text{NDF}: 4405.5/3$
 In: -9.755 ± 0.051 $\chi^2/\text{NDF}: 9715.5/24$
 Out: -9.648 ± 0.050 $\chi^2/\text{NDF}: 20852.2/26$
 All: -9.701 ± 0.036 $\chi^2/\text{NDF}: 30570.0/51$

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



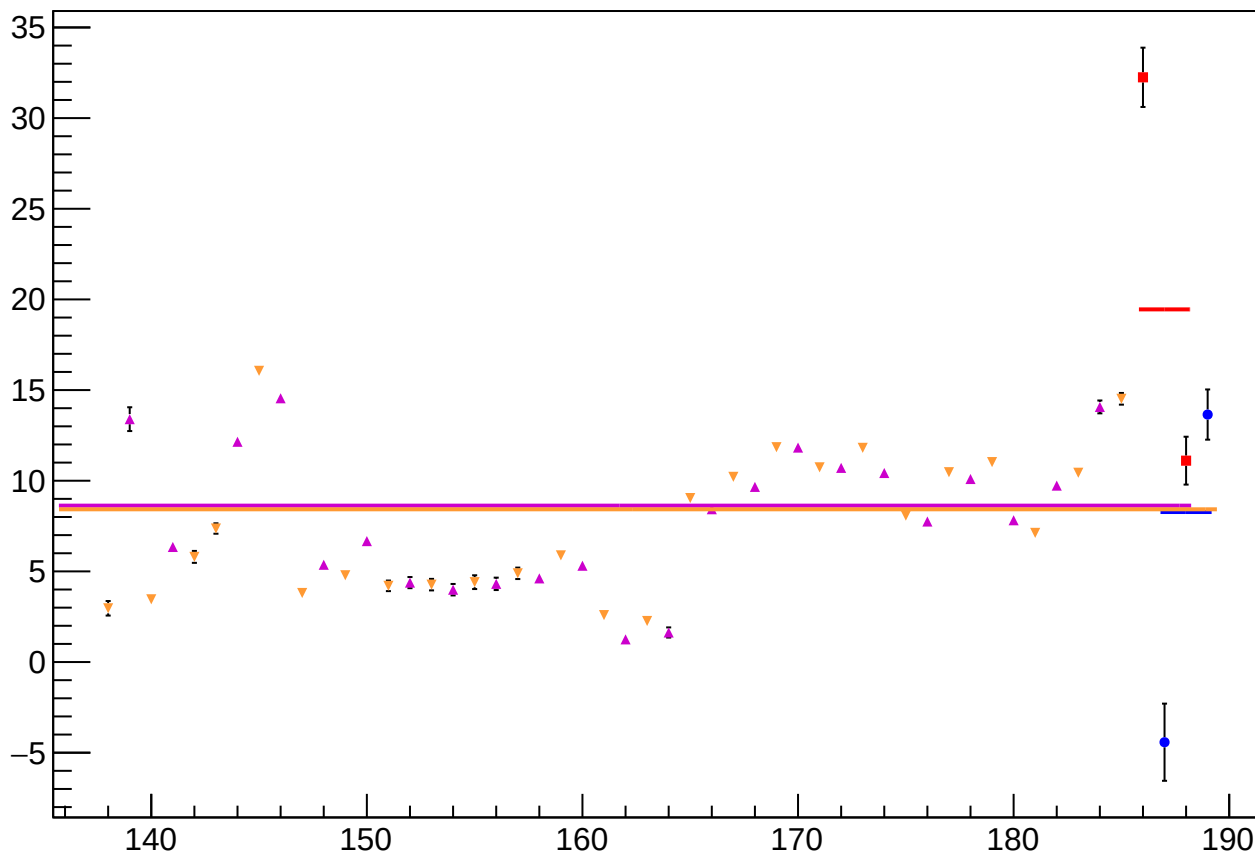
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -32.364 ± 0.513 $\chi^2/\text{NDF}: 26.1/1$
 Left Out: -16.965 ± 0.051 $\chi^2/\text{NDF}: 21902.1/24$
 Right Out: -51.232 ± 0.376 $\chi^2/\text{NDF}: 3678.2/1$
 Left In: -16.764 ± 0.051 $\chi^2/\text{NDF}: 19037.7/22$

Left: -16.865 ± 0.036 $\chi^2/\text{NDF}: 40947.4/47$
 Right: -44.643 ± 0.303 $\chi^2/\text{NDF}: 4584.7/3$
 In: -16.919 ± 0.051 $\chi^2/\text{NDF}: 19979.3/24$
 Out: -17.588 ± 0.051 $\chi^2/\text{NDF}: 33745.3/26$
 All: -17.256 ± 0.036 $\chi^2/\text{NDF}: 53811.2/51$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 8.275+/-1.161 χ^2/NDF : 50.7/1

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

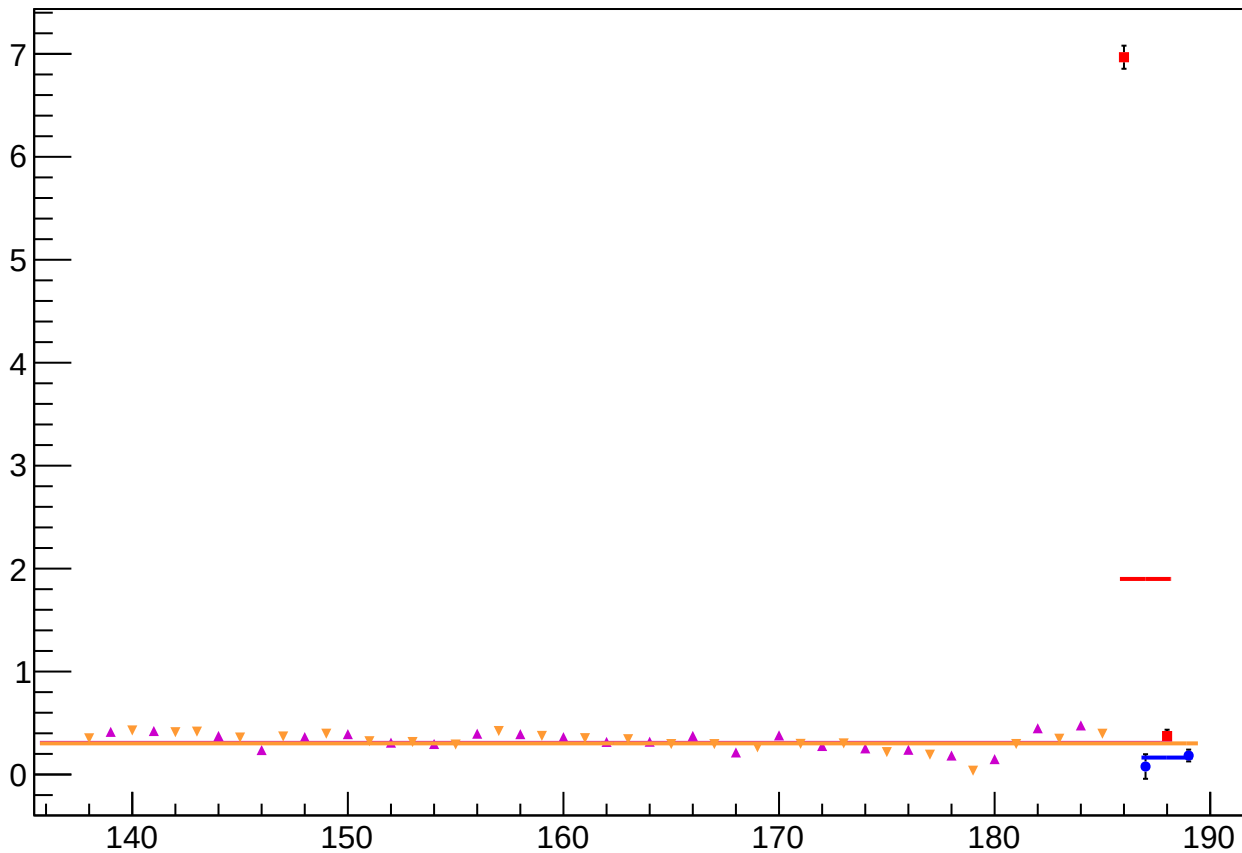
Right: 14.541+/-0.769 χ^2/NDF : 203.8/3

In: 8.625+/-0.046 χ^2/NDF : 5582.6/24

Out: 8.446+/-0.046 χ^2/NDF : 6694.8/26

All: 8.535+/-0.032 χ^2/NDF : 12285.1/51

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.164+/-0.052 χ^2/NDF : 0.7/1

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

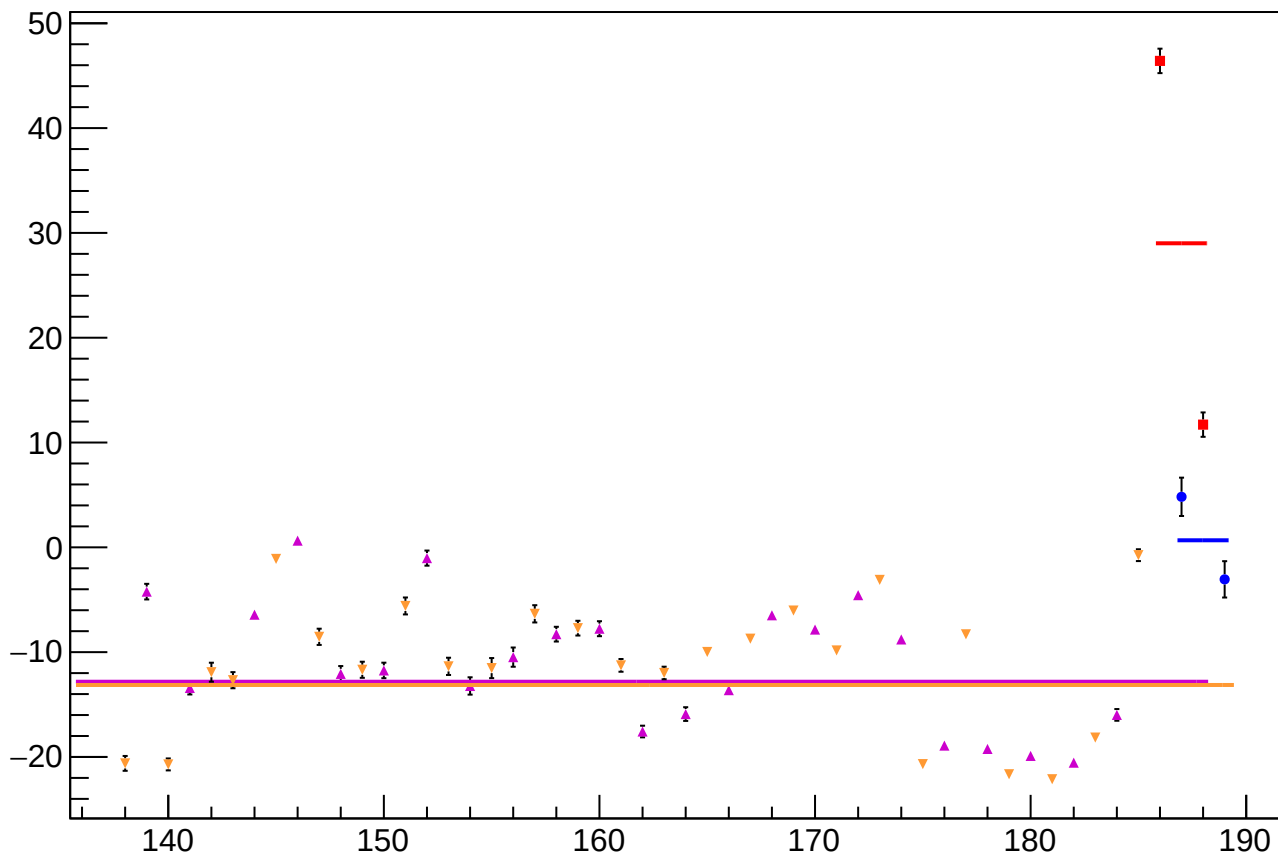
Right: 0.993+/-0.037 χ^2/NDF : 3195.6/3

In: 0.307+/-0.002 χ^2/NDF :1725.1/24

Out: 0.305+/-0.002 χ^2/NDF :5119.5/26

All: 0.306+/-0.001 χ^2/NDF : 6845.2/51

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.673 ± 1.258 $\chi^2/\text{NDF}: 9.8/1$

Left Out: -13.133 ± 0.094 $\chi^2/\text{NDF}: 5974.5/24$

Right Out: 29.009 ± 0.824 $\chi^2/\text{NDF}: 443.8/1$

Left In: -12.823 ± 0.095 $\chi^2/\text{NDF}: 4841.5/22$

Left: -12.979 ± 0.067 $\chi^2/\text{NDF}: 10821.3/47$

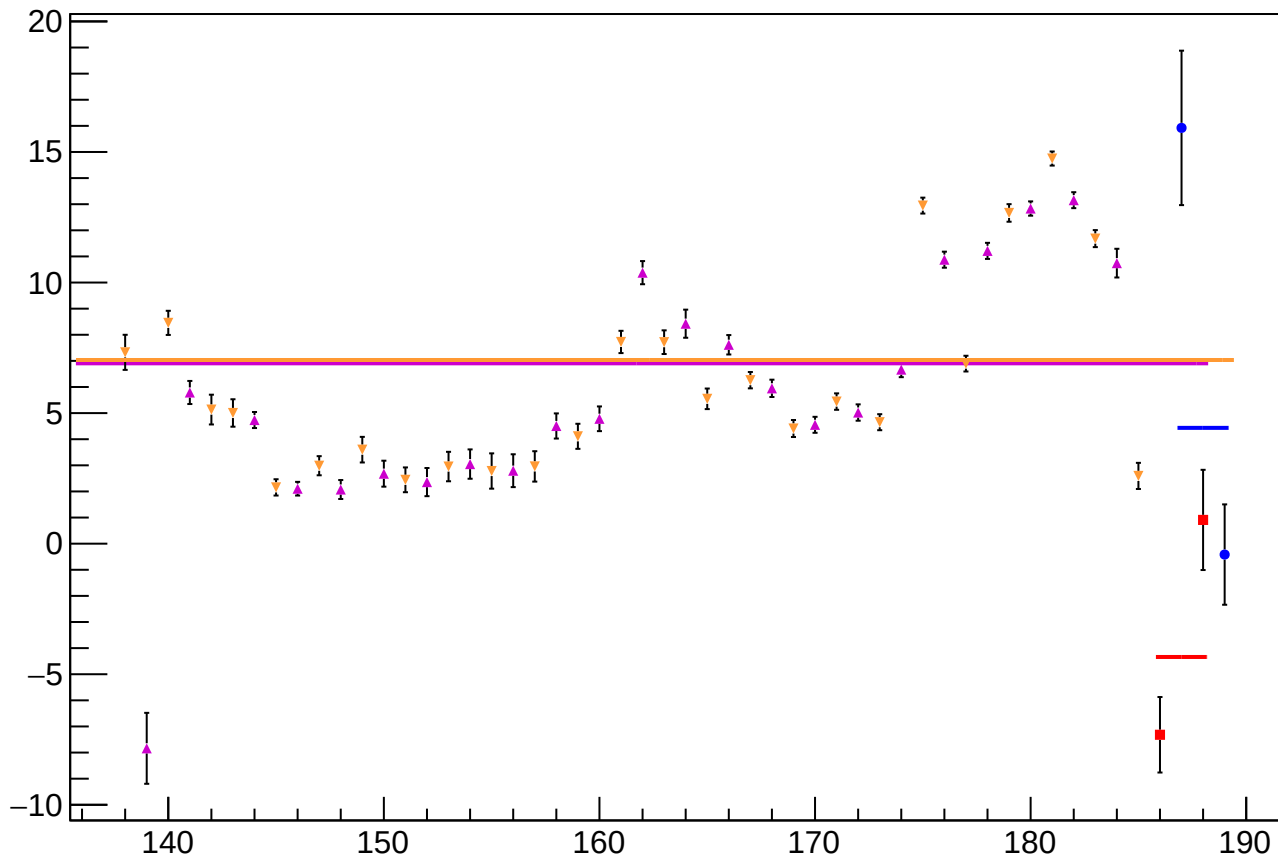
Right: 20.510 ± 0.689 $\chi^2/\text{NDF}: 808.6/3$

In: -12.747 ± 0.094 $\chi^2/\text{NDF}: 4965.6/24$

Out: -12.594 ± 0.093 $\chi^2/\text{NDF}: 9002.7/26$

All: -12.669 ± 0.066 $\chi^2/\text{NDF}: 13969.6/51$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.435 $\pm$ 1.611 χ^2 /NDF: 21.5/1

Left Out: 7.034 $\pm$ 0.077 χ^2 /NDF:2657.5/24

Right Out: -4.339 $\pm$ 1.155 χ^2 /NDF: 11.7/1

Left In: 6.906 $\pm$ 0.077 χ^2 /NDF:2442.8/22

Left: 6.970 $\pm$ 0.055 χ^2 /NDF: 5101.7/47

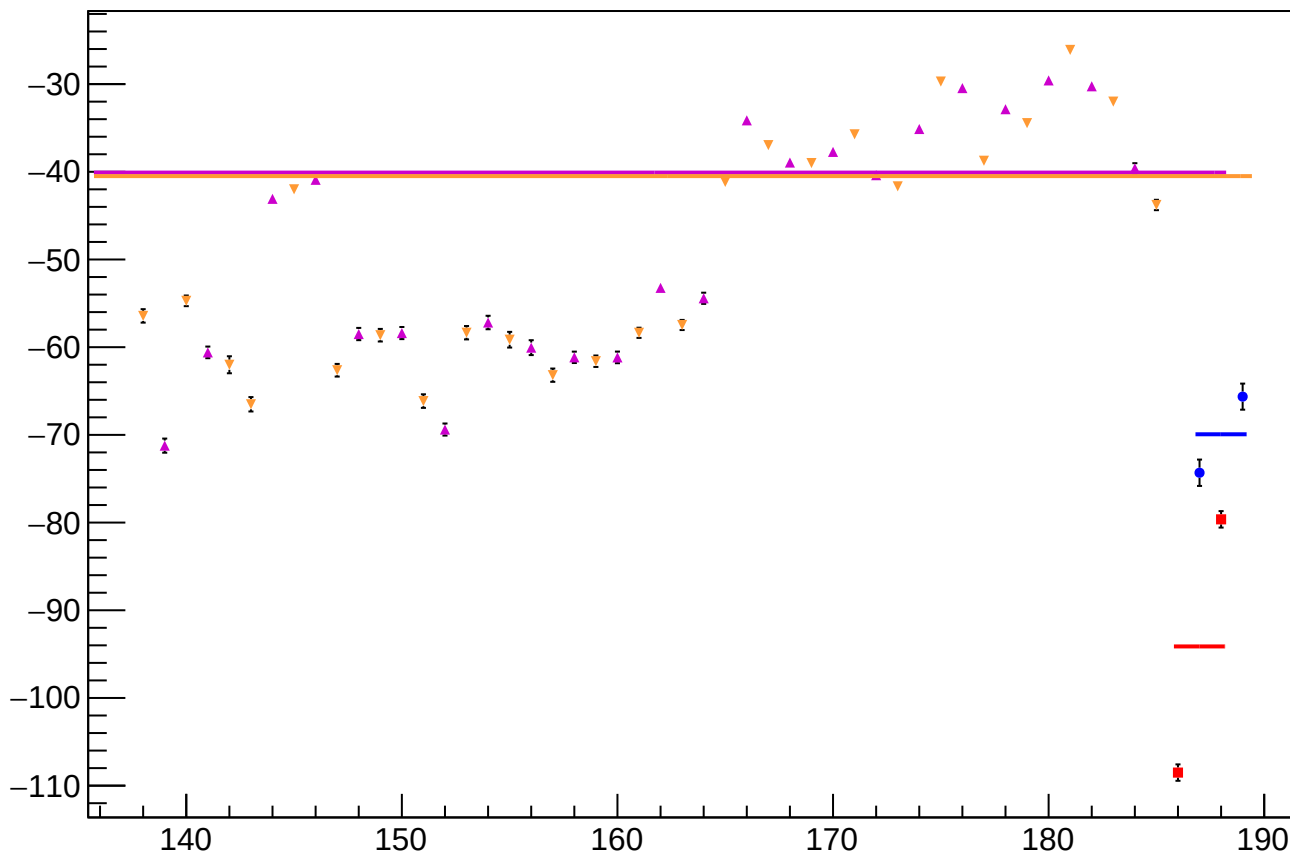
Right: -1.363 $\pm$ 0.939 χ^2 /NDF: 52.8/3

In: 6.901 $\pm$ 0.077 χ^2 /NDF:2466.7/24

Out: 6.983 $\pm$ 0.077 χ^2 /NDF:2765.8/26

All: 6.942 $\pm$ 0.055 χ^2 /NDF: 5233.1/51

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -69.931 ± 1.057 $\chi^2/\text{NDF}: 16.9/1$
 Left Out: -40.492 ± 0.095 $\chi^2/\text{NDF}: 15435.0/24$
 Right Out: -94.124 ± 0.663 $\chi^2/\text{NDF}: 474.6/1$
 Left In: -40.091 ± 0.095 $\chi^2/\text{NDF}: 14103.5/22$

Left: -40.292 ± 0.067 $\chi^2/\text{NDF}: 29547.4/47$

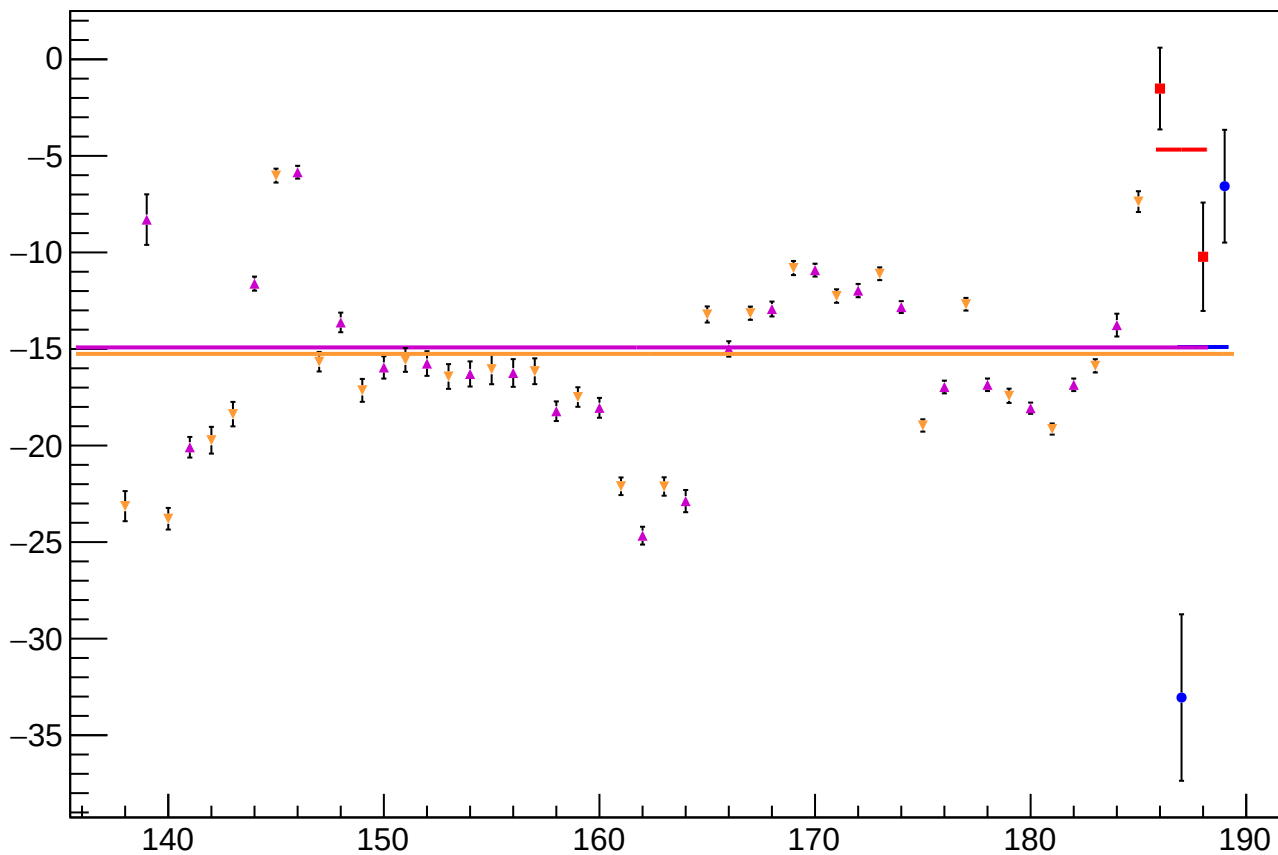
Right: -87.296 ± 0.562 $\chi^2/\text{NDF}: 867.5/3$

In: -40.331 ± 0.095 $\chi^2/\text{NDF}: 14911.0/24$

Out: -41.568 ± 0.094 $\chi^2/\text{NDF}: 22325.5/26$

All: -40.956 ± 0.067 $\chi^2/\text{NDF}: 37322.3/51$

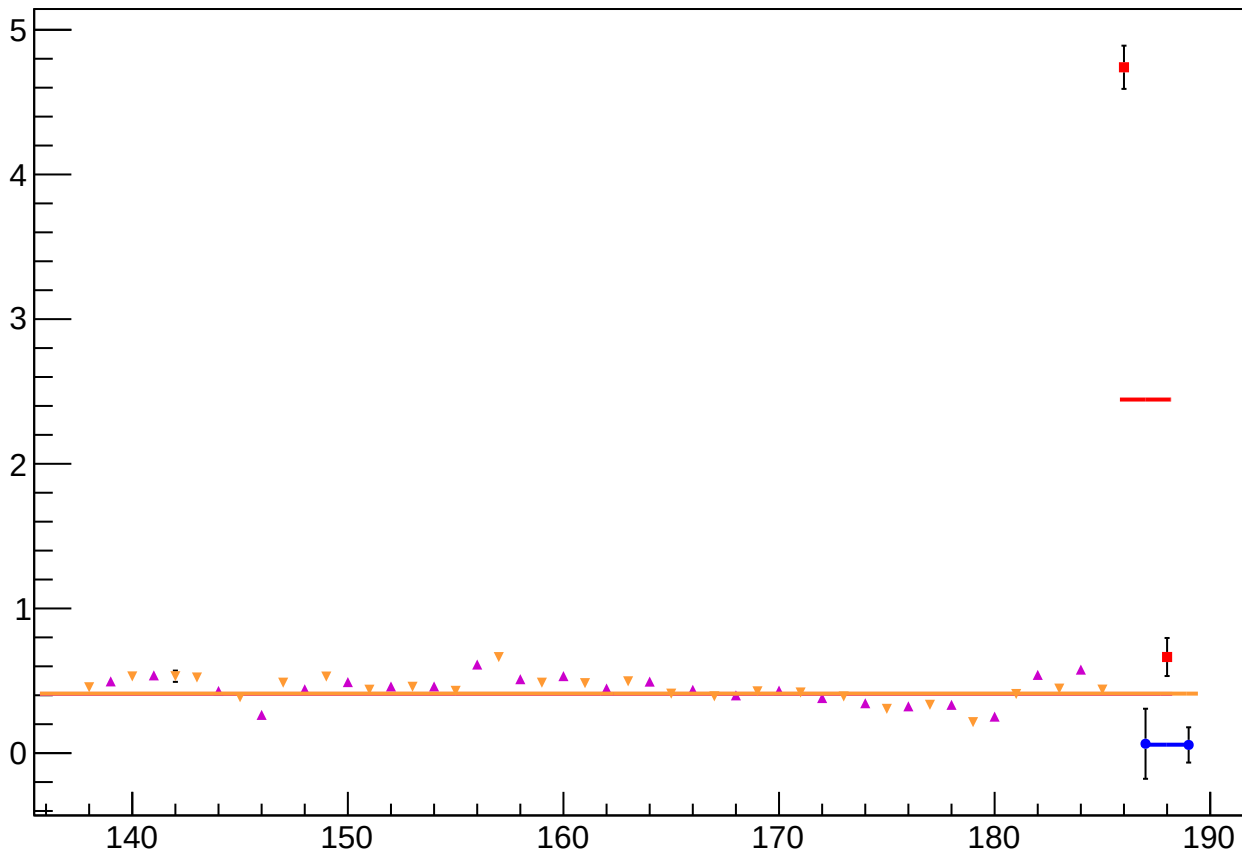
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -14.898 ± 2.418 χ^2/NDF : 25.9/1
 Left Out: -15.254 ± 0.086 χ^2/NDF : 2594.4/24
 Right Out: -4.675 ± 1.690 χ^2/NDF : 6.1/1
 Left In: -14.919 ± 0.087 χ^2/NDF : 2207.7/22

Left: -15.088 ± 0.061 χ^2/NDF : 4809.7/47
 Right: -8.031 ± 1.385 χ^2/NDF : 44.0/3
 In: -14.919 ± 0.086 χ^2/NDF : 2233.6/24
 Out: -15.227 ± 0.086 χ^2/NDF : 2639.6/26
 All: -15.074 ± 0.061 χ^2/NDF : 4879.6/51

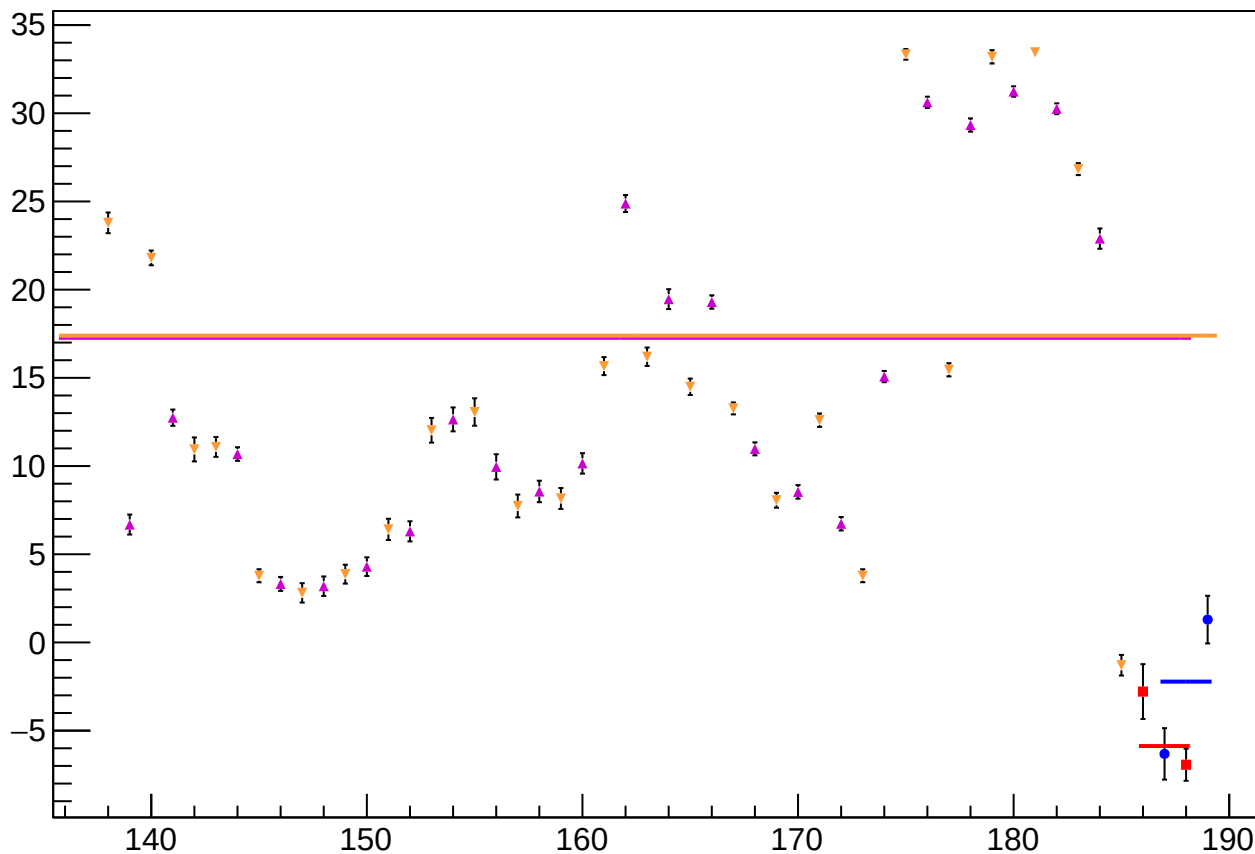
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.058+/-0.109 χ^2/NDF : 0.0/1
 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: 1.368+/-0.073 χ^2/NDF : 683.2/3
 In: 0.409+/-0.004 χ^2/NDF : 572.3/24
 Out: 0.415+/-0.004 χ^2/NDF : 1271.9/26
 All: 0.412+/-0.003 χ^2/NDF : 1845.3/51

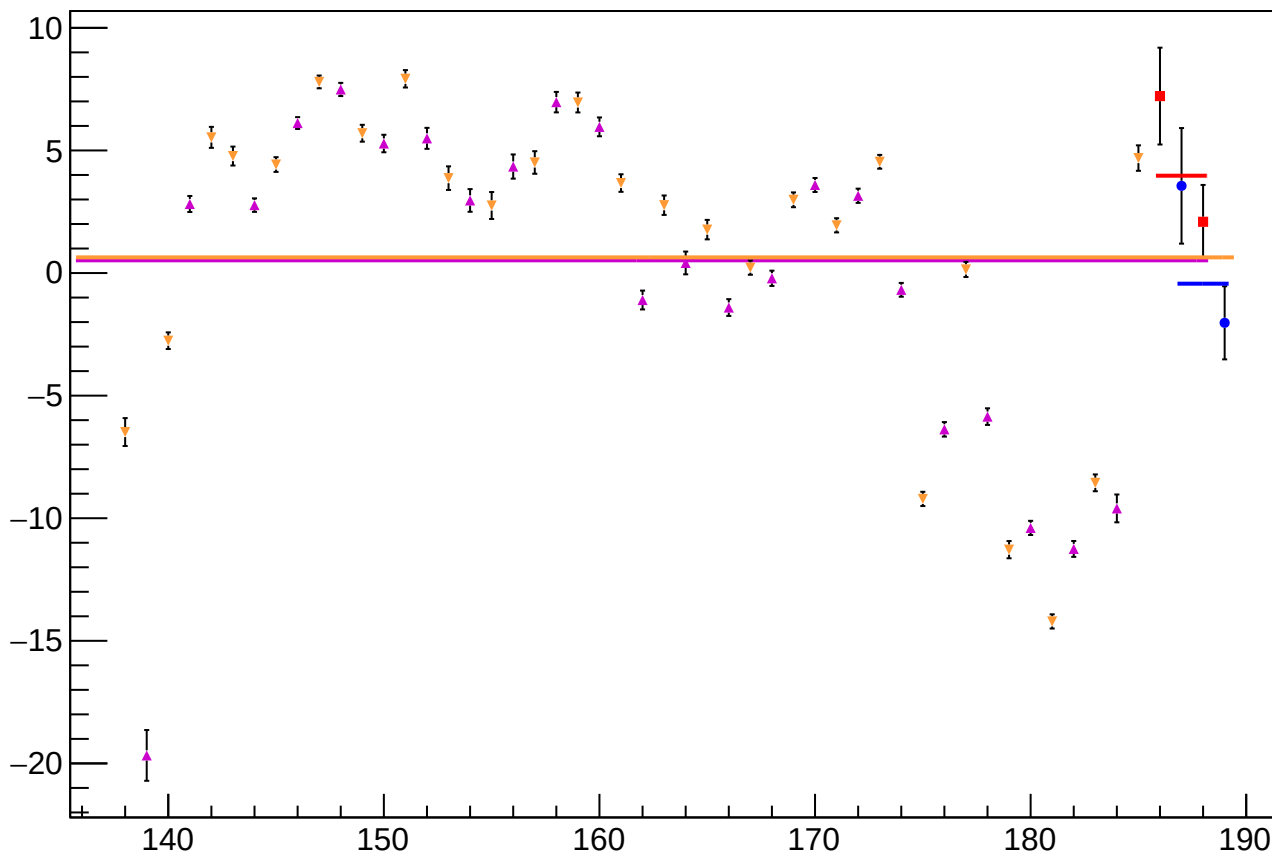
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.220 ± 0.991 $\chi^2/\text{NDF}: 14.7/1$
 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: -4.464 ± 0.616 $\chi^2/\text{NDF}: 28.3/3$
 In: 17.117 ± 0.088 $\chi^2/\text{NDF}: 13290.5/24$
 Out: 17.109 ± 0.087 $\chi^2/\text{NDF}: 17178.1/26$
 All: 17.113 ± 0.062 $\chi^2/\text{NDF}: 30468.5/51$

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.434 ± 1.260 χ^2/NDF : 4.0/1

Left Out: 0.639 ± 0.070 χ^2/NDF : 8514.9/24

Right Out: 3.970 ± 1.196 χ^2/NDF : 4.3/1

Left In: 0.519 ± 0.071 χ^2/NDF : 6776.8/22

Left: 0.580 ± 0.050 χ^2/NDF : 15293.1/47

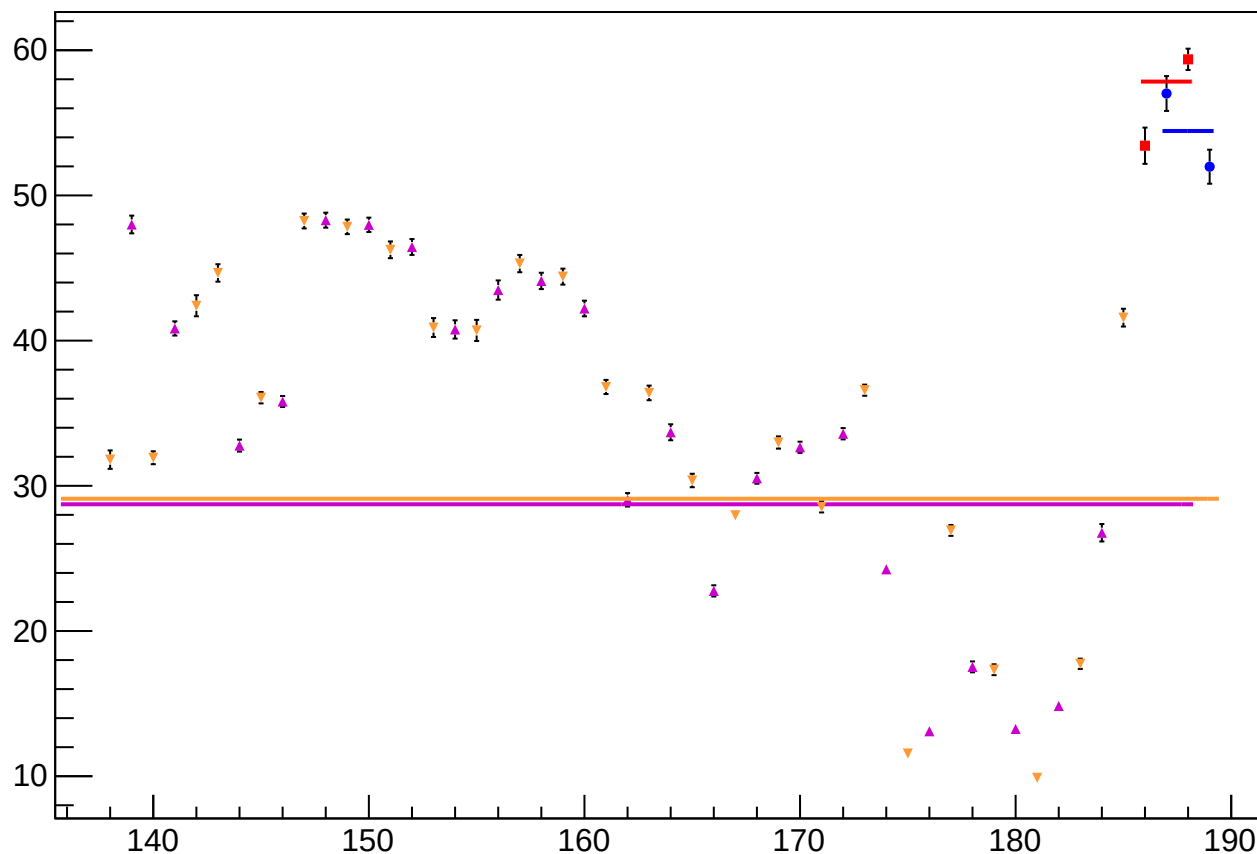
Right: 1.883 ± 0.867 χ^2/NDF : 14.7/3

In: 0.516 ± 0.070 χ^2/NDF : 6781.4/24

Out: 0.650 ± 0.069 χ^2/NDF : 8526.9/26

All: 0.584 ± 0.049 χ^2/NDF : 15310.1/51

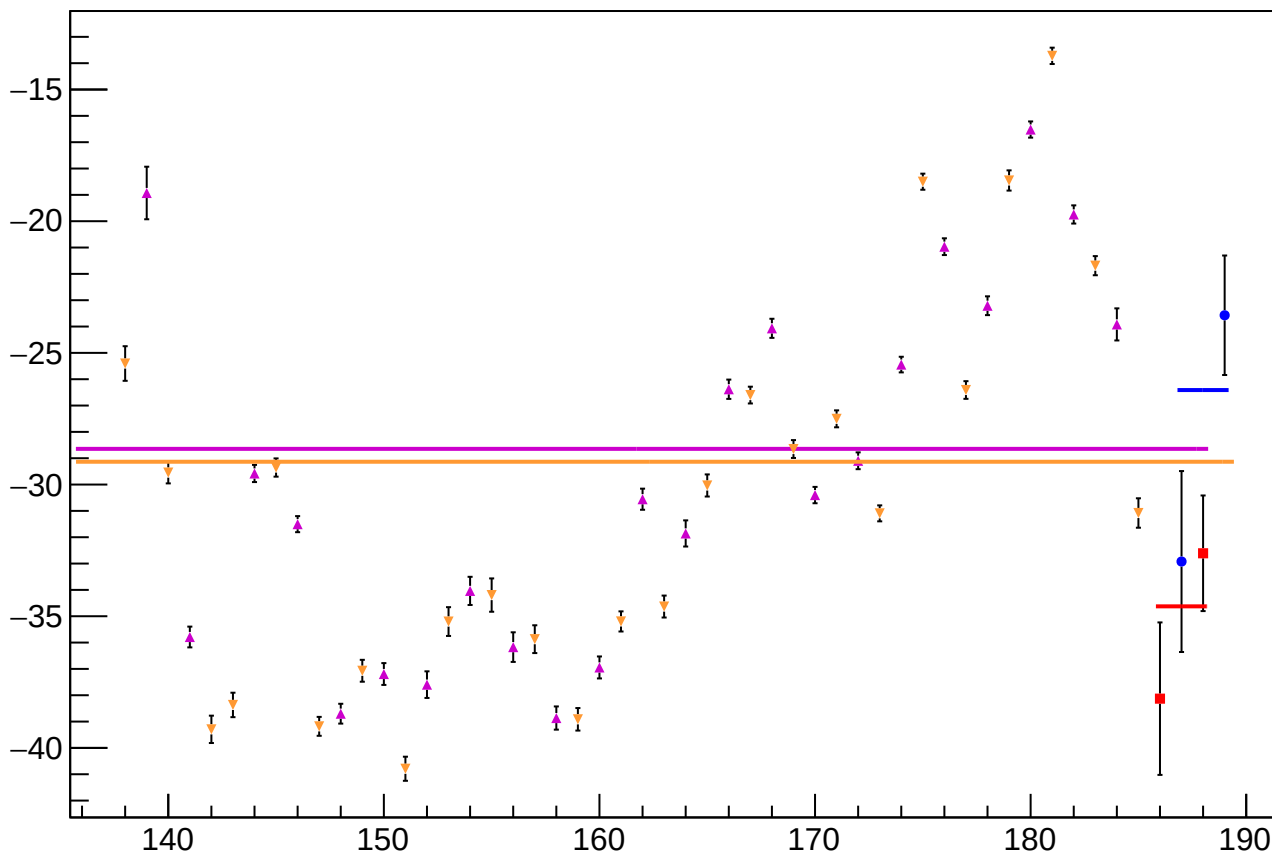
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 54.439 $\pm$ 0.838 χ^2 /NDF: 9.0/1
 Left Out: 29.110 $\pm$ 0.088 χ^2 /NDF:18845.8/24
 Right Out: 57.841 $\pm$ 0.633 χ^2 /NDF: 16.9/1
 Left In: 28.728 $\pm$ 0.089 χ^2 /NDF:17037.4/22

Left: 28.921 $\pm$ 0.062 χ^2 /NDF: 35892.6/47
 Right: 56.604 $\pm$ 0.505 χ^2 /NDF: 36.4/3
 In: 29.014 $\pm$ 0.088 χ^2 /NDF:17977.7/24
 Out: 29.653 $\pm$ 0.087 χ^2 /NDF:20881.5/26
 All: 29.338 $\pm$ 0.062 χ^2 /NDF: 38885.8/51

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



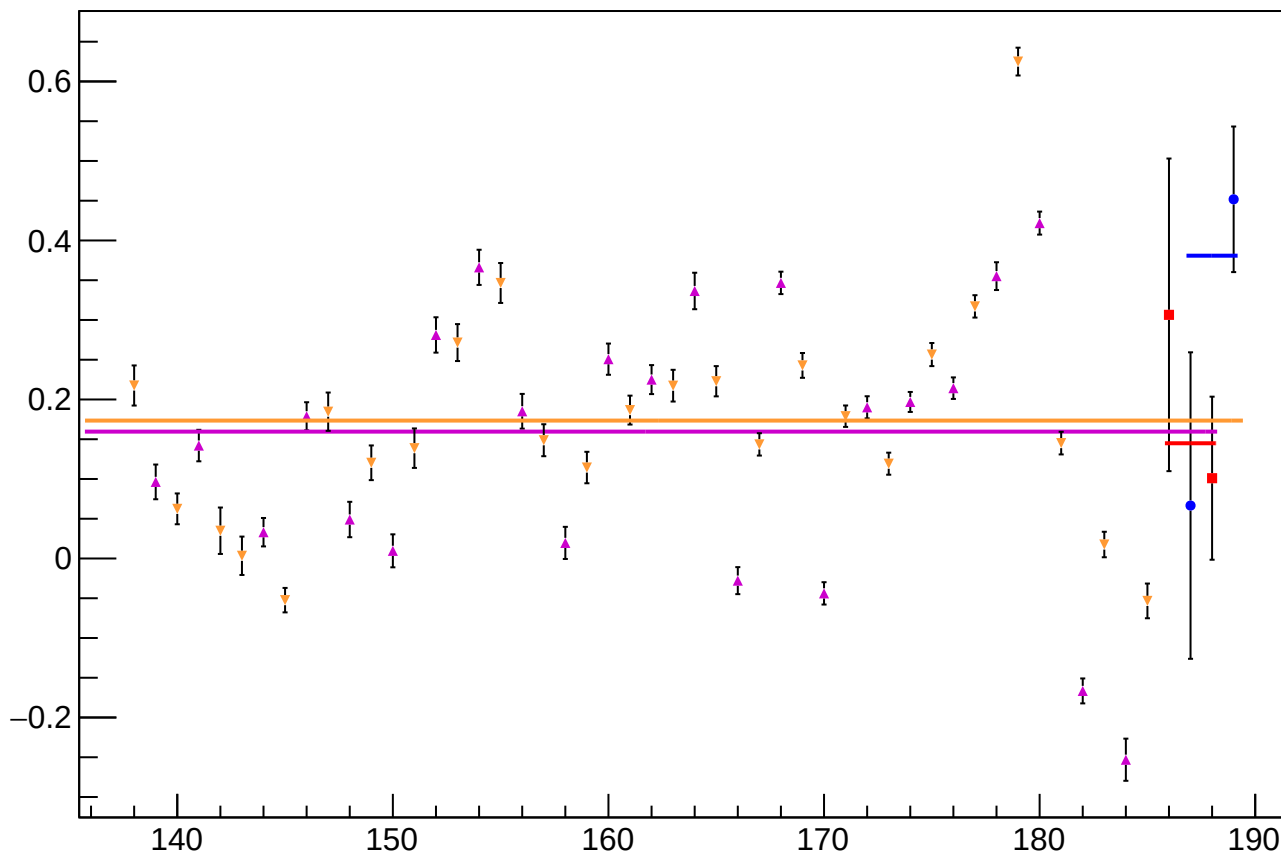
Right In: -26.412 ± 1.893 χ^2/NDF : 5.2/1
 Left Out: -29.134 ± 0.078 χ^2/NDF : 8998.0/24
 Right Out: -34.625 ± 1.749 χ^2/NDF : 2.3/1
 Left In: -28.645 ± 0.080 χ^2/NDF : 6693.5/22

Left: -28.893 ± 0.056 χ^2/NDF : 15710.7/47
 Right: -30.843 ± 1.285 χ^2/NDF : 17.6/3

In: -28.641 ± 0.079 χ^2/NDF : 6700.0/24
 Out: -29.145 ± 0.078 χ^2/NDF : 9010.2/26

All: -28.897 ± 0.056 χ^2/NDF : 15730.7/51

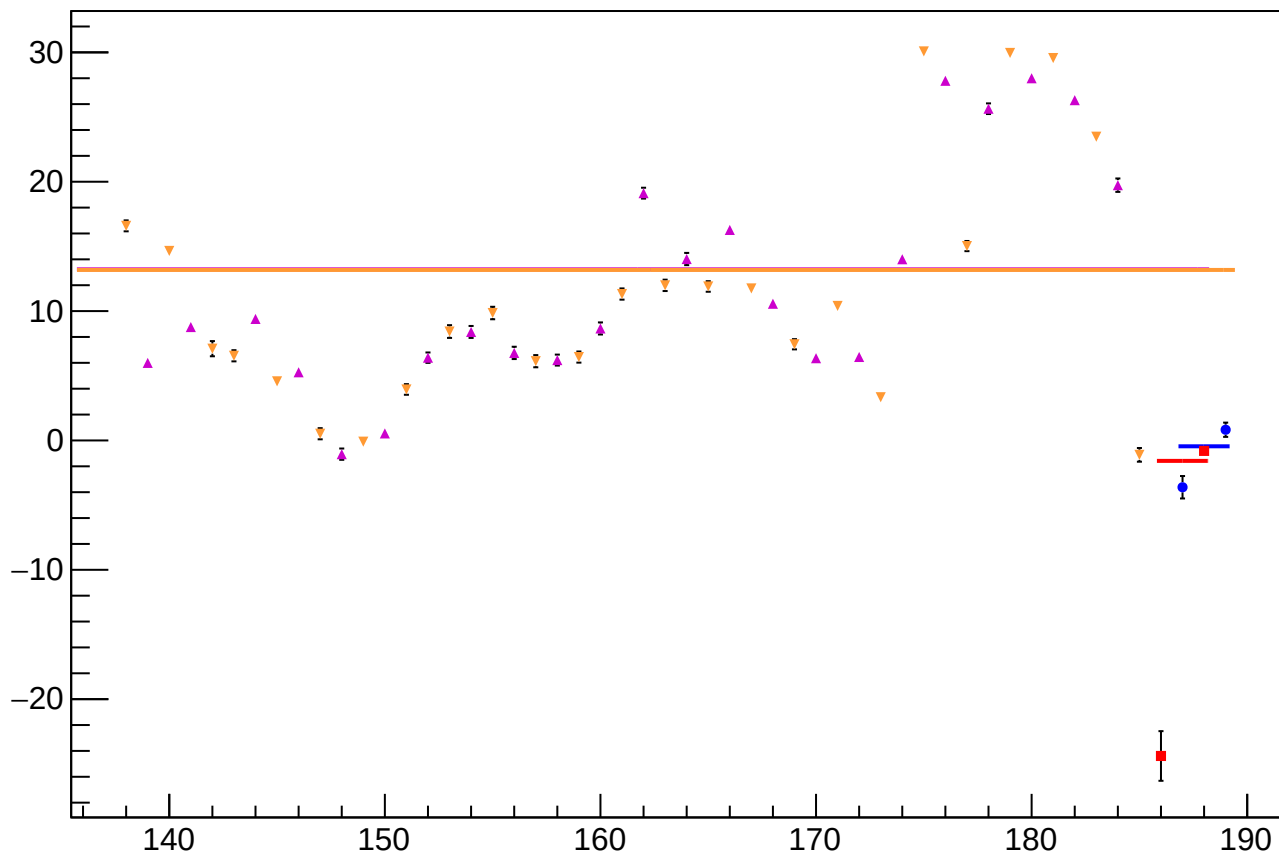
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.381 ± 0.083 $\chi^2/\text{NDF}: 3.3/1$
 Left Out: 0.173 ± 0.004 $\chi^2/\text{NDF}: 1468.8/24$
 Right Out: 0.145 ± 0.091 $\chi^2/\text{NDF}: 0.9/1$
 Left In: 0.160 ± 0.004 $\chi^2/\text{NDF}: 2063.7/22$

Left: 0.167 ± 0.003 $\chi^2/\text{NDF}: 3539.9/47$
 Right: 0.274 ± 0.061 $\chi^2/\text{NDF}: 7.8/3$
 In: 0.160 ± 0.004 $\chi^2/\text{NDF}: 2074.1/24$
 Out: 0.173 ± 0.004 $\chi^2/\text{NDF}: 1469.8/26$
 All: 0.167 ± 0.003 $\chi^2/\text{NDF}: 3550.8/51$

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.453 ± 0.465 χ^2/NDF : 18.7/1

Left Out: 13.181 ± 0.075 χ^2/NDF : 17039.3/24

Right Out: -1.580 ± 0.347 χ^2/NDF : 146.1/1

Left In: 13.228 ± 0.077 χ^2/NDF : 14126.1/22

Left: 13.204 ± 0.054 χ^2/NDF : 31165.6/47

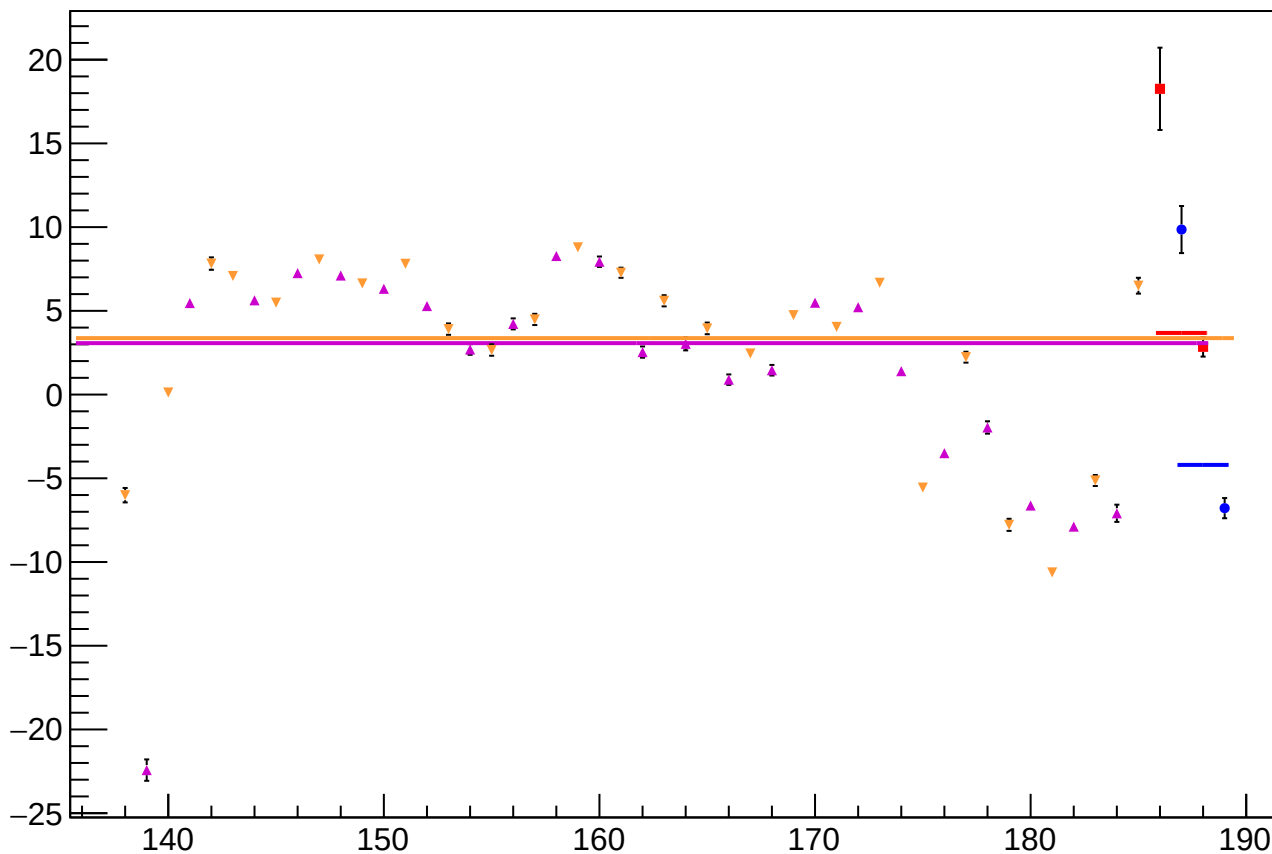
Right: -1.176 ± 0.278 χ^2/NDF : 168.5/3

In: 12.867 ± 0.076 χ^2/NDF : 14986.5/24

Out: 12.517 ± 0.074 χ^2/NDF : 18910.3/26

All: 12.687 ± 0.053 χ^2/NDF : 33907.8/51

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.200 $\pm$ 0.554 χ^2 /NDF: 118.4/1

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

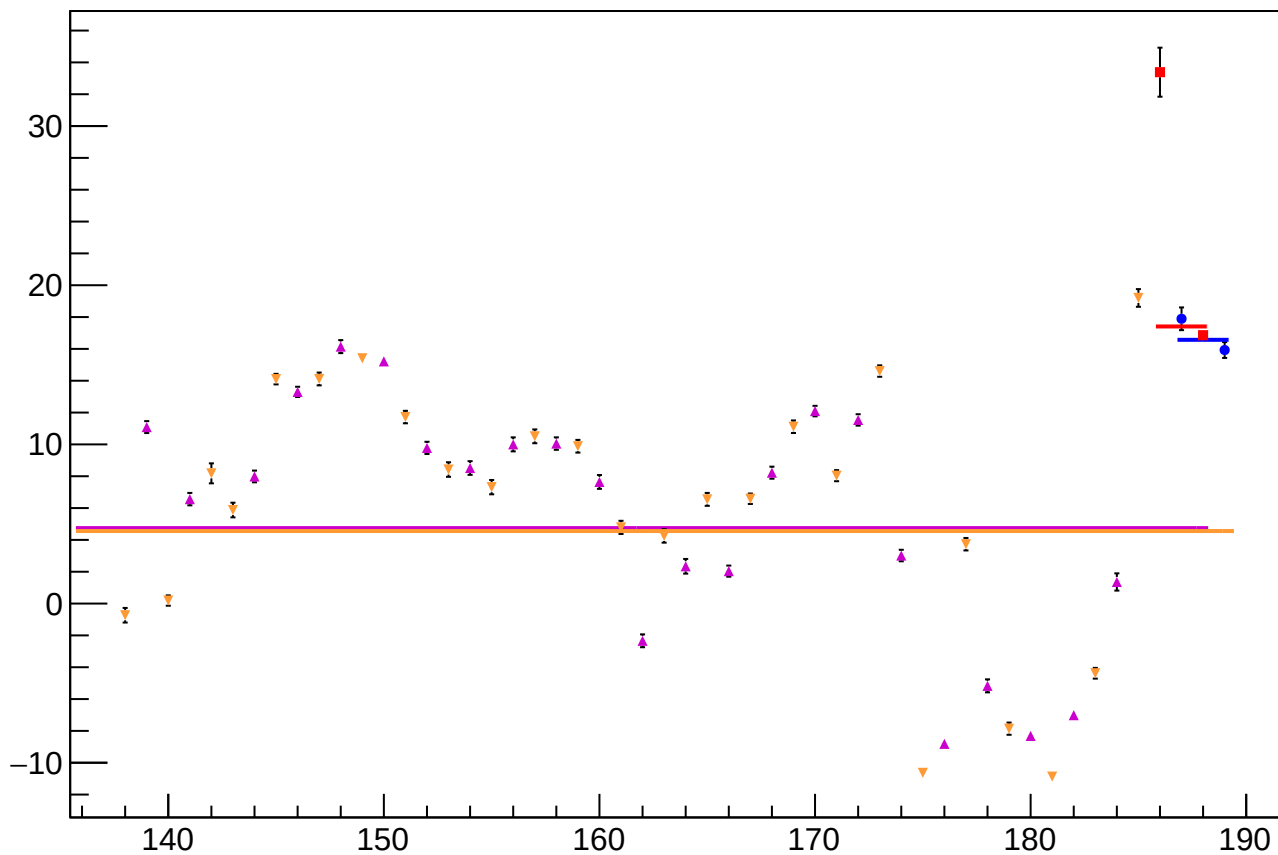
Right: -0.370 $\pm$ 0.397 χ^2 /NDF: 254.0/3

In: 2.986 $\pm$ 0.060 χ^2 /NDF:7557.8/24

Out: 3.375 $\pm$ 0.058 χ^2 /NDF:8091.2/26

All: 3.186 $\pm$ 0.042 χ^2 /NDF: 15670.7/51

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 16.570 $\pm$ 0.408 χ^2 /NDF: 5.1/1

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

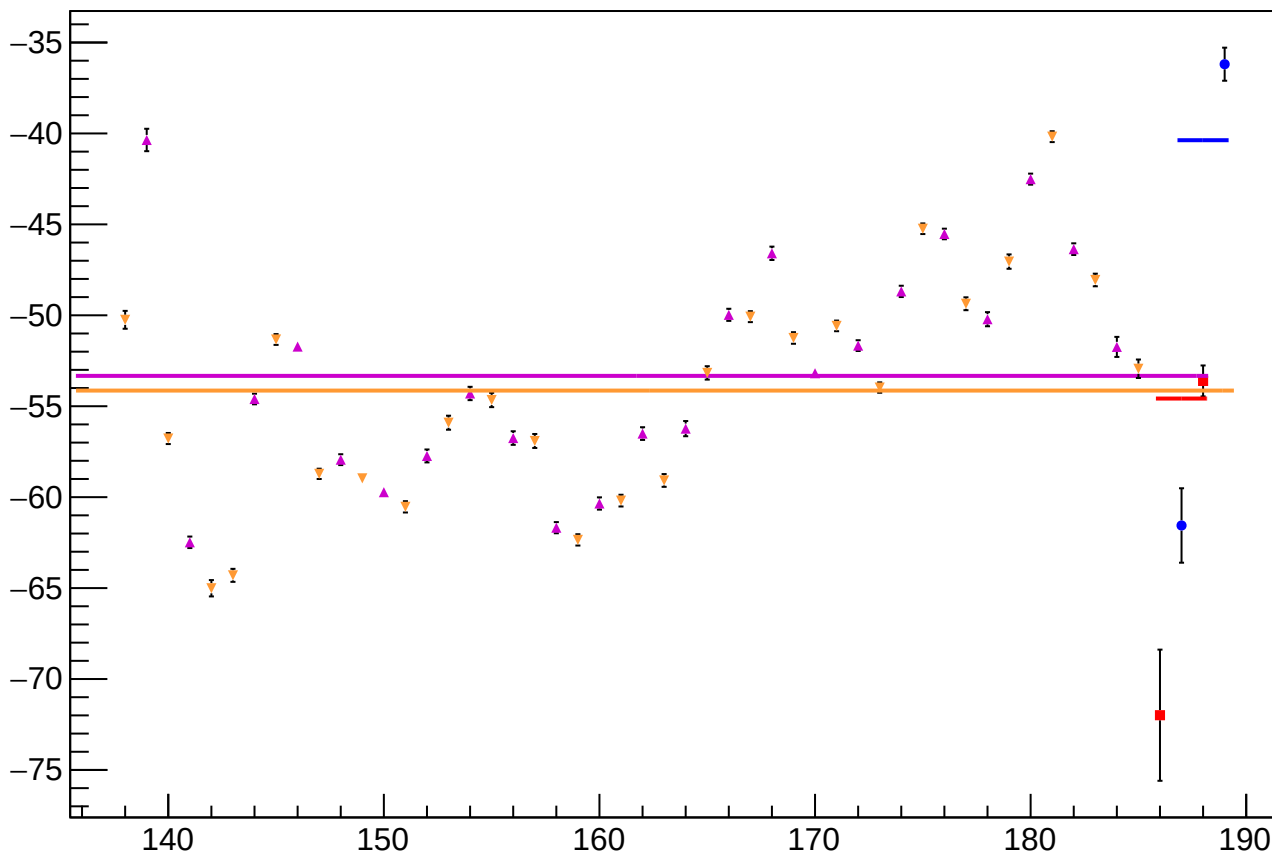
Right: 17.139 $\pm$ 0.231 χ^2 /NDF: 119.3/3

In: 5.143 $\pm$ 0.075 χ^2 /NDF:12236.3/24

Out: 5.425 $\pm$ 0.073 χ^2 /NDF:15655.1/26

All: 5.288 $\pm$ 0.052 χ^2 /NDF: 27898.7/51

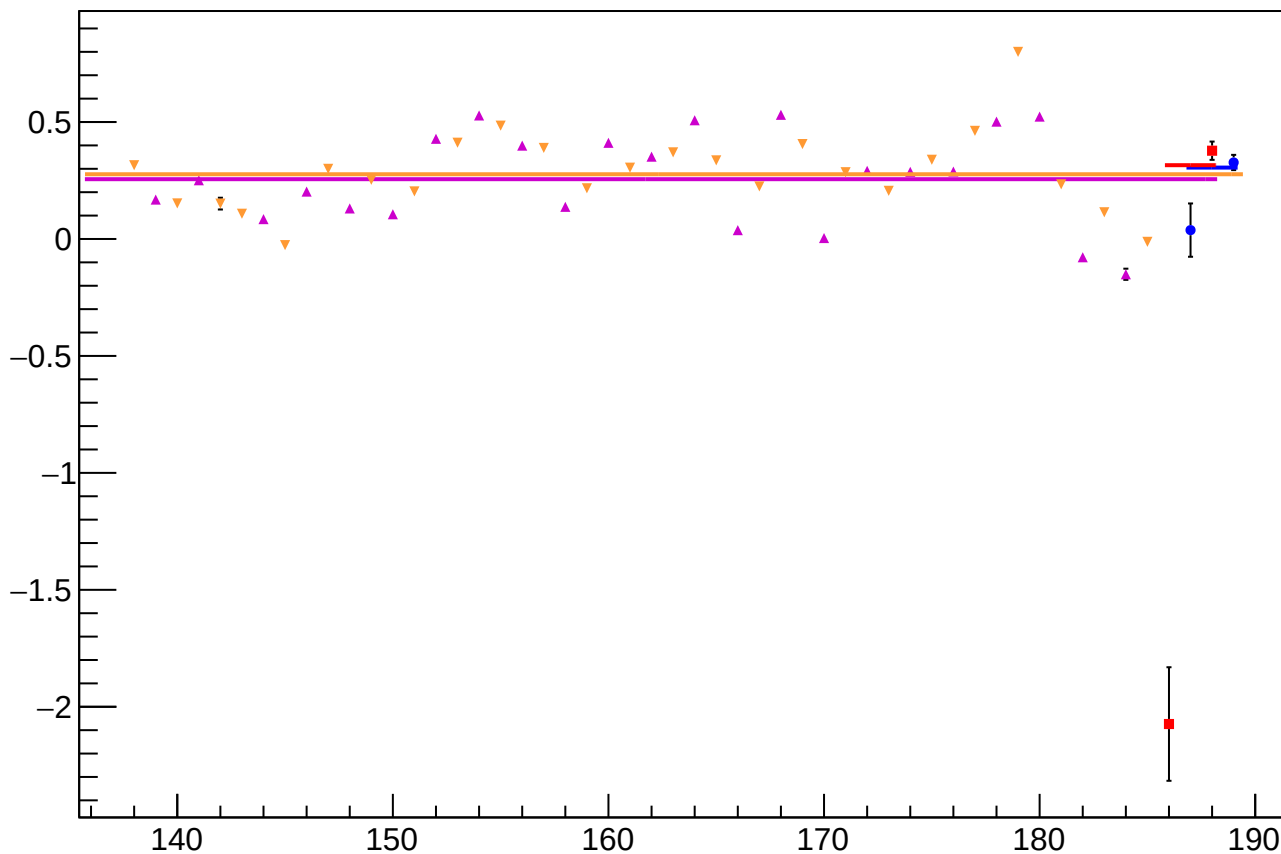
reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -40.372 ± 0.831 $\chi^2/\text{NDF}: 128.3/1$
 Left Out: -54.139 ± 0.067 $\chi^2/\text{NDF}: 8301.1/24$
 Right Out: -54.577 ± 0.828 $\chi^2/\text{NDF}: 24.6/1$
 Left In: -53.330 ± 0.068 $\chi^2/\text{NDF}: 6940.2/22$

Left: -53.745 ± 0.048 $\chi^2/\text{NDF}: 15313.2/47$
 Right: -47.501 ± 0.586 $\chi^2/\text{NDF}: 299.6/3$
 In: -53.244 ± 0.068 $\chi^2/\text{NDF}: 7310.1/24$
 Out: -54.142 ± 0.066 $\chi^2/\text{NDF}: 8326.0/26$
 All: -53.704 ± 0.047 $\chi^2/\text{NDF}: 15725.4/51$

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.305 $\pm$ 0.031 χ^2 /NDF: 6.0/1

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

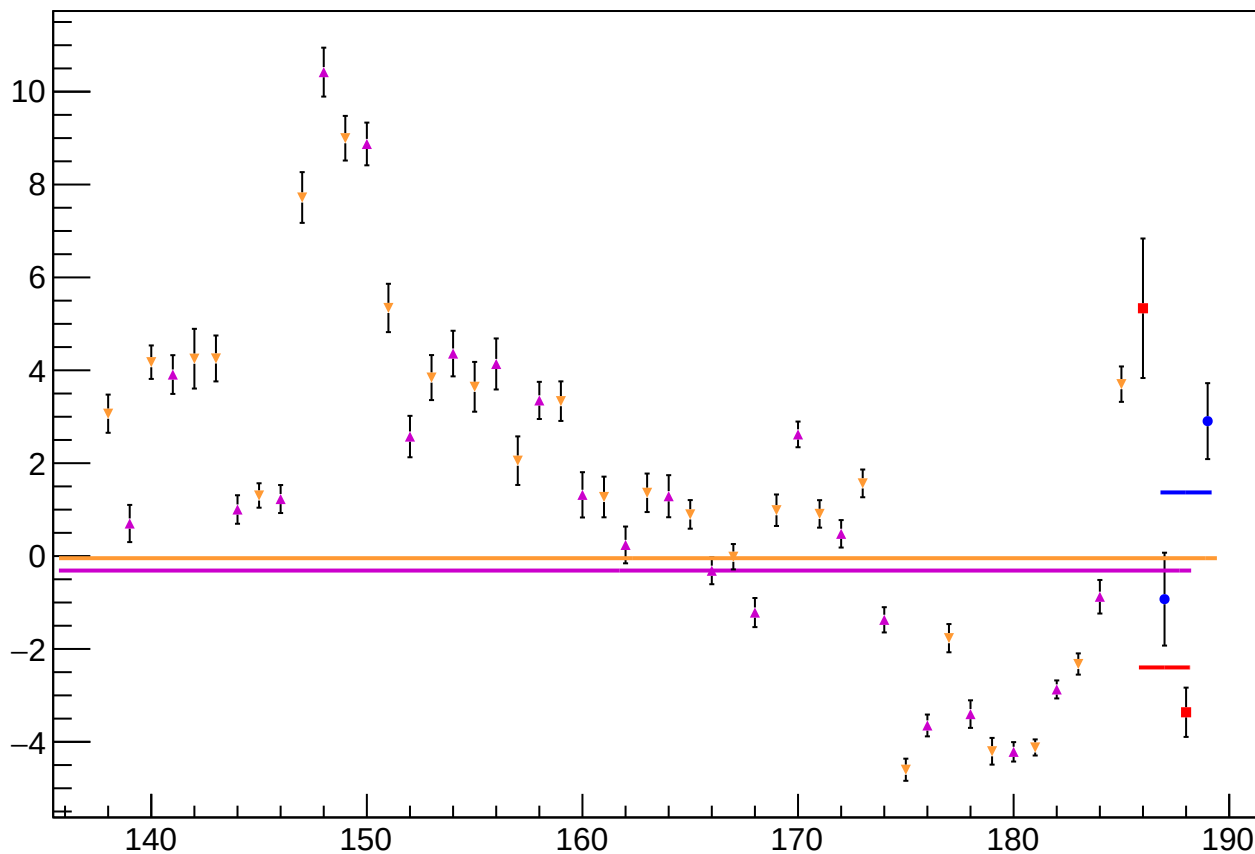
Right: 0.309 $\pm$ 0.024 χ^2 /NDF: 105.4/3

In: 0.256 $\pm$ 0.003 χ^2 /NDF:3652.4/24

Out: 0.277 $\pm$ 0.003 χ^2 /NDF:2706.4/26

All: 0.267 $\pm$ 0.002 χ^2 /NDF: 6382.0/51

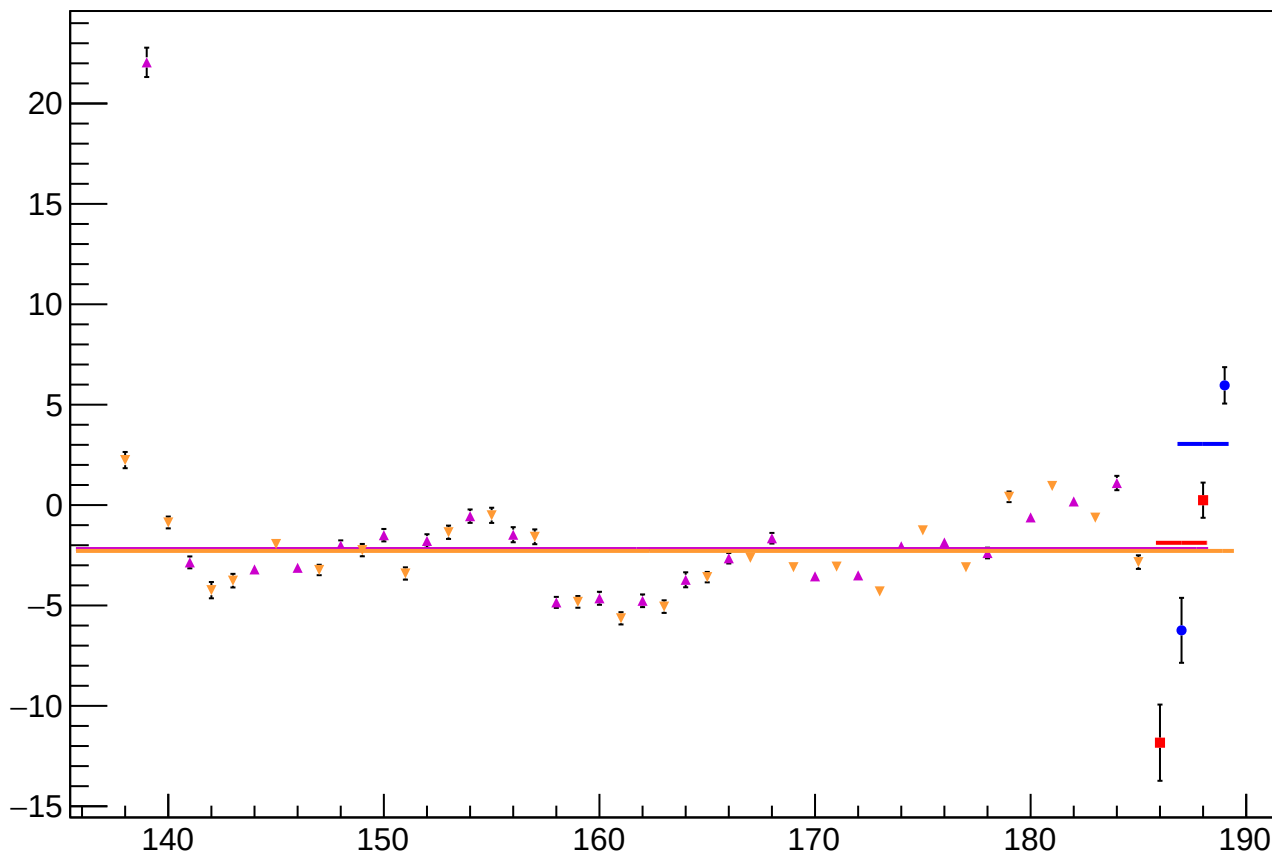
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.370 ± 0.633 $\chi^2/\text{NDF}: 8.8/1$
 Left Out: -0.046 ± 0.066 $\chi^2/\text{NDF}: 2628.9/24$
 Right Out: -2.398 ± 0.500 $\chi^2/\text{NDF}: 29.8/1$
 Left In: -0.312 ± 0.067 $\chi^2/\text{NDF}: 2252.6/22$

Left: -0.177 ± 0.047 $\chi^2/\text{NDF}: 4889.5/47$
 Right: -0.949 ± 0.393 $\chi^2/\text{NDF}: 60.4/3$
 In: -0.293 ± 0.067 $\chi^2/\text{NDF}: 2268.4/24$
 Out: -0.086 ± 0.066 $\chi^2/\text{NDF}: 2680.4/26$
 All: -0.188 ± 0.047 $\chi^2/\text{NDF}: 4953.8/51$

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.045 ± 0.791 $\chi^2/\text{NDF}: 43.3/1$

Left Out: -2.283 ± 0.054 $\chi^2/\text{NDF}: 1132.1/24$

Right Out: -1.879 ± 0.796 $\chi^2/\text{NDF}: 33.4/1$

Left In: -2.190 ± 0.055 $\chi^2/\text{NDF}: 1785.1/22$

Left: -2.237 ± 0.039 $\chi^2/\text{NDF}: 2918.6/47$

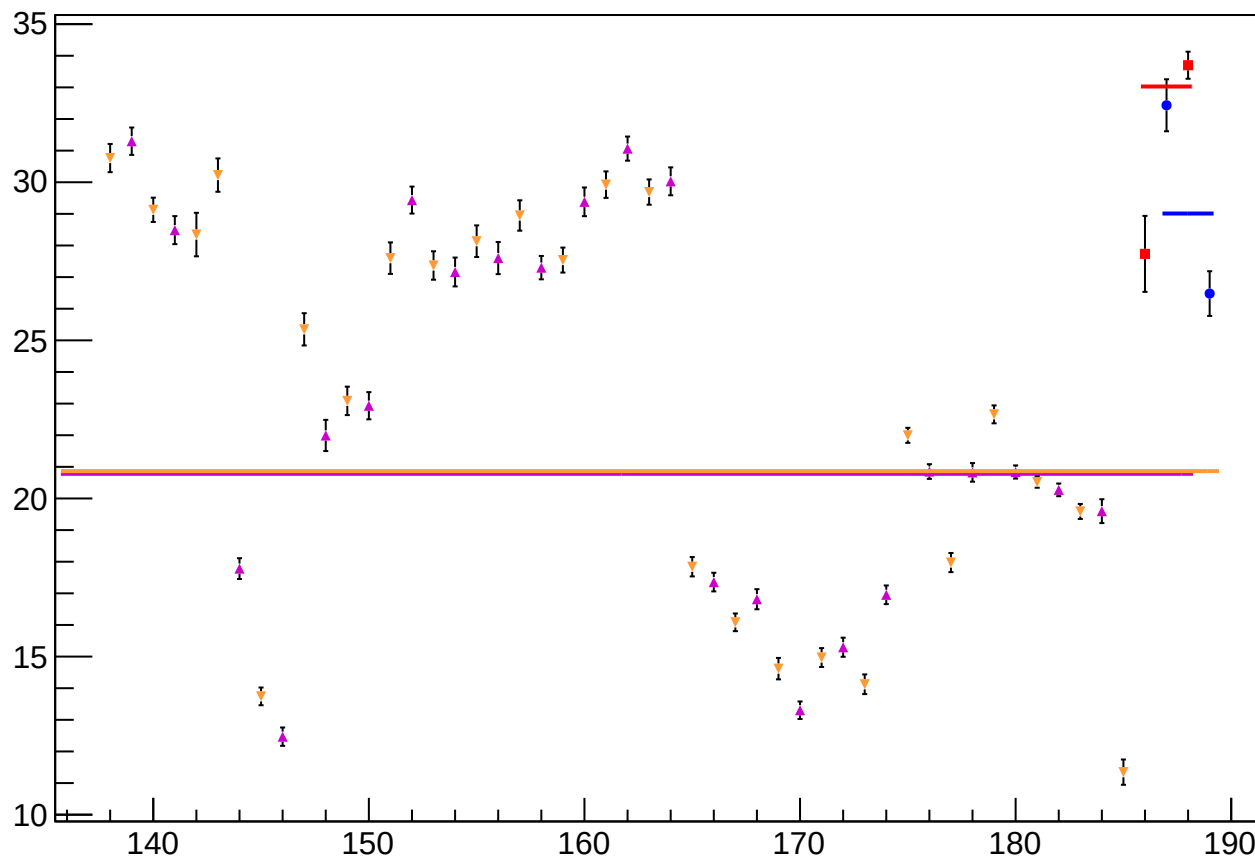
Right: 0.597 ± 0.561 $\chi^2/\text{NDF}: 95.9/3$

In: -2.165 ± 0.055 $\chi^2/\text{NDF}: 1871.9/24$

Out: -2.281 ± 0.054 $\chi^2/\text{NDF}: 1165.7/26$

All: -2.224 ± 0.038 $\chi^2/\text{NDF}: 3040.0/51$

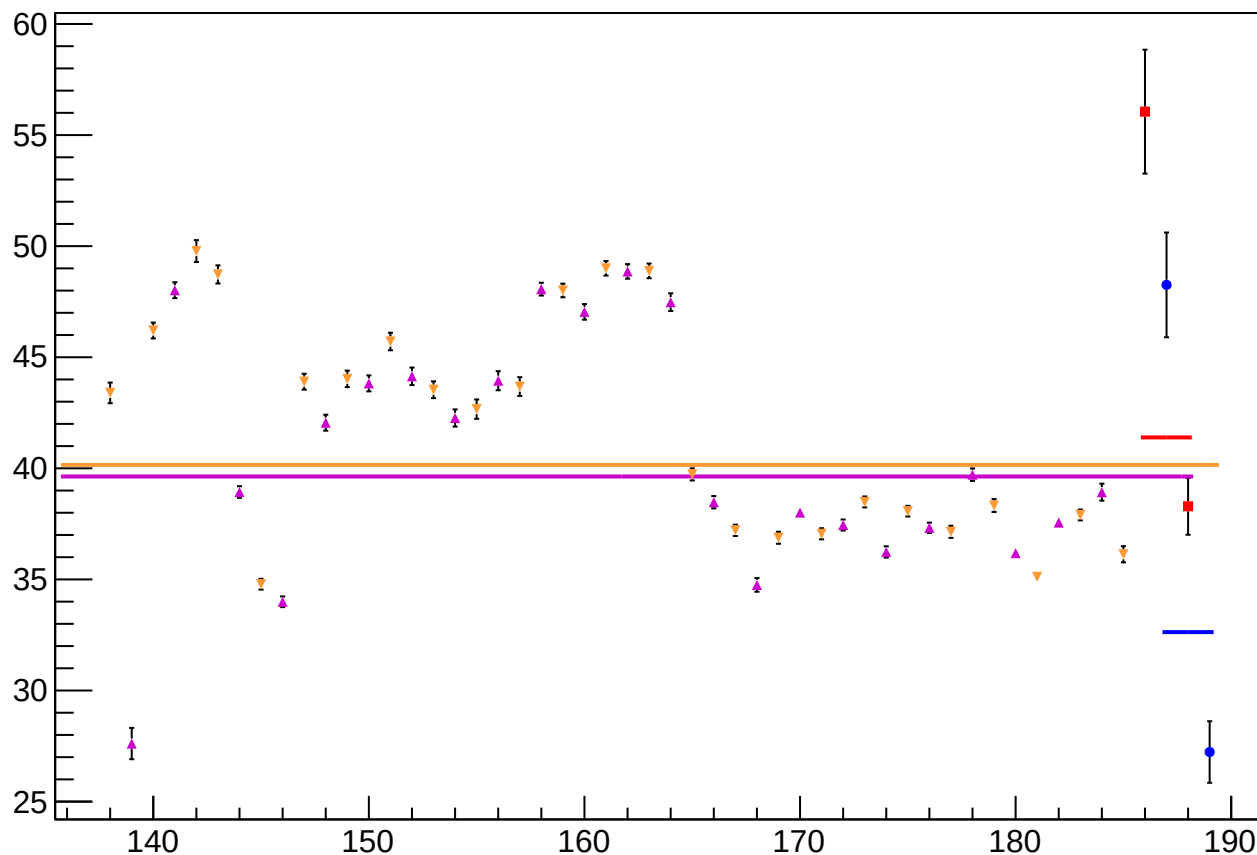
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.011 $\pm$ 0.536 χ^2 /NDF: 30.2/1
 Left Out: 20.865 $\pm$ 0.067 χ^2 /NDF:6608.4/24
 Right Out: 33.028 $\pm$ 0.404 χ^2 /NDF: 21.9/1
 Left In: 20.780 $\pm$ 0.067 χ^2 /NDF:5988.0/22

Left: 20.823 $\pm$ 0.047 χ^2 /NDF: 12597.2/47
 Right: 31.575 $\pm$ 0.322 χ^2 /NDF: 87.9/3
 In: 20.907 $\pm$ 0.067 χ^2 /NDF:6250.3/24
 Out: 21.189 $\pm$ 0.066 χ^2 /NDF:7514.6/26
 All: 21.050 $\pm$ 0.047 χ^2 /NDF: 13774.0/51

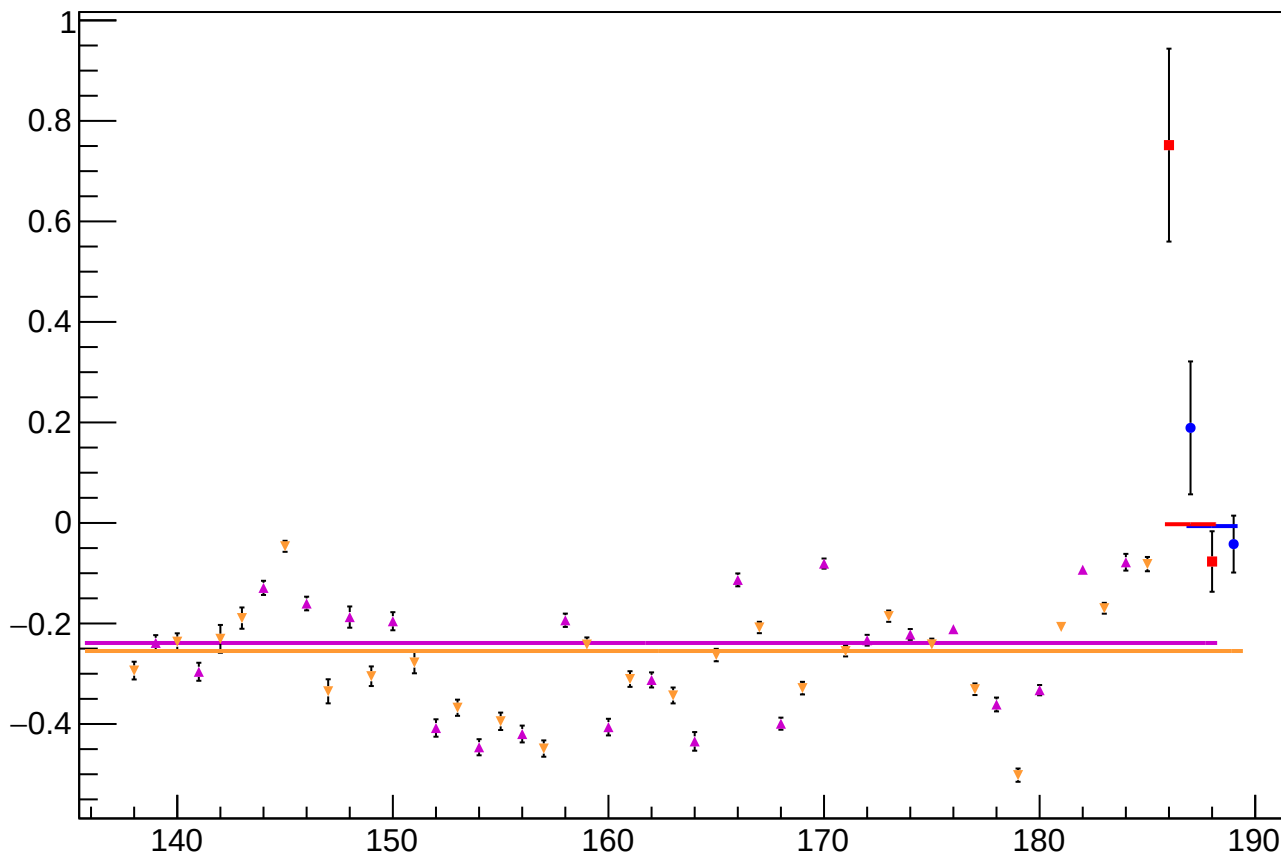
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 32.628 $\pm$ 1.195 χ^2 /NDF: 59.1/1
 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: 37.120 $\pm$ 0.834 χ^2 /NDF: 120.2/3
 In: 39.614 $\pm$ 0.061 χ^2 /NDF: 5436.7/24
 Out: 40.157 $\pm$ 0.060 χ^2 /NDF: 5896.2/26
 All: 39.889 $\pm$ 0.043 χ^2 /NDF: 11372.8/51

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Left: -0.247 ± 0.002 $\chi^2/\text{NDF}: 3184.5/47$

Right: -0.005 ± 0.039 $\chi^2/\text{NDF}: 19.6/3$

In: -0.238 ± 0.003 $\chi^2/\text{NDF}: 1772.5/24$

Out: -0.254 ± 0.003 $\chi^2/\text{NDF}: 1453.9/26$

All: -0.246 ± 0.002 $\chi^2/\text{NDF}: 3243.4/51$

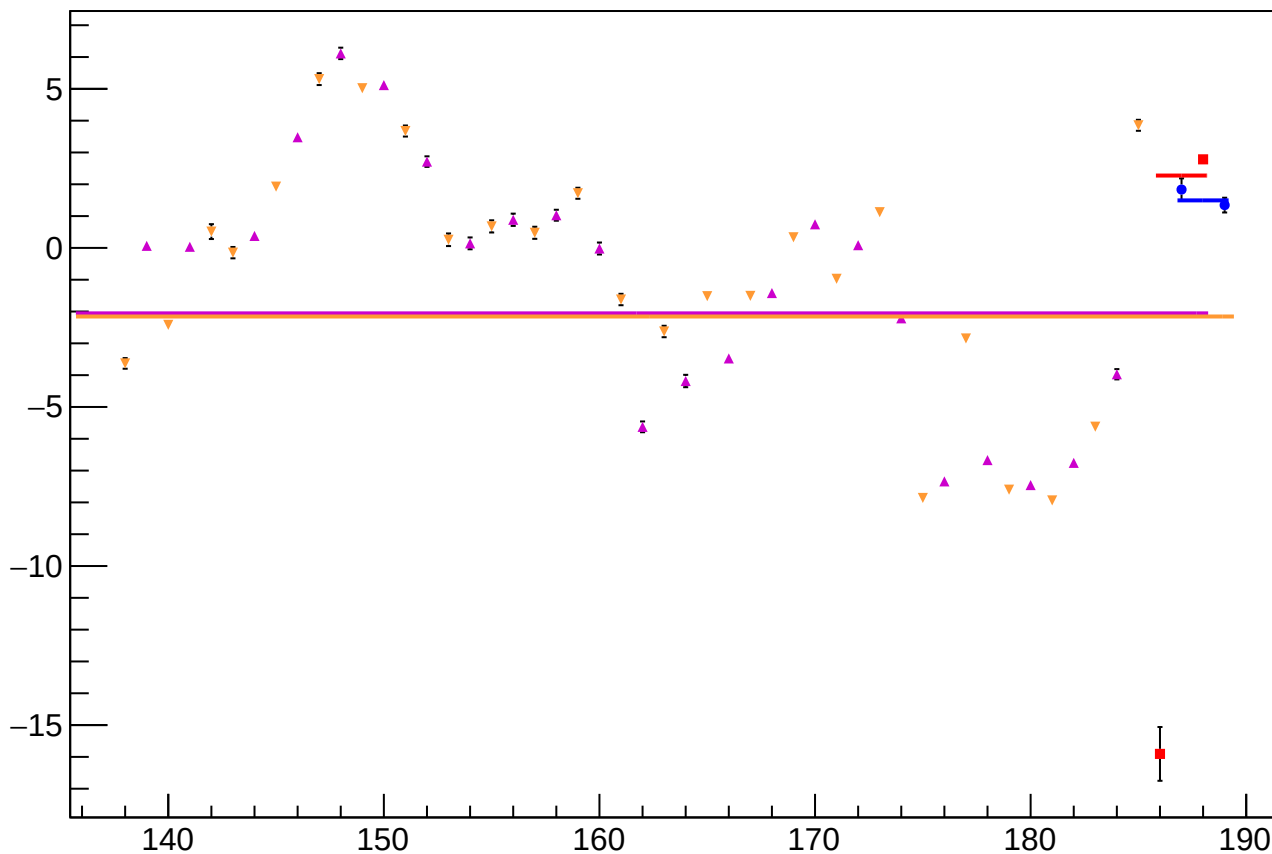
Right In: -0.006 ± 0.052 $\chi^2/\text{NDF}: 2.6/1$

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 $\chi^2/\text{NDF}: 1750.0/22$

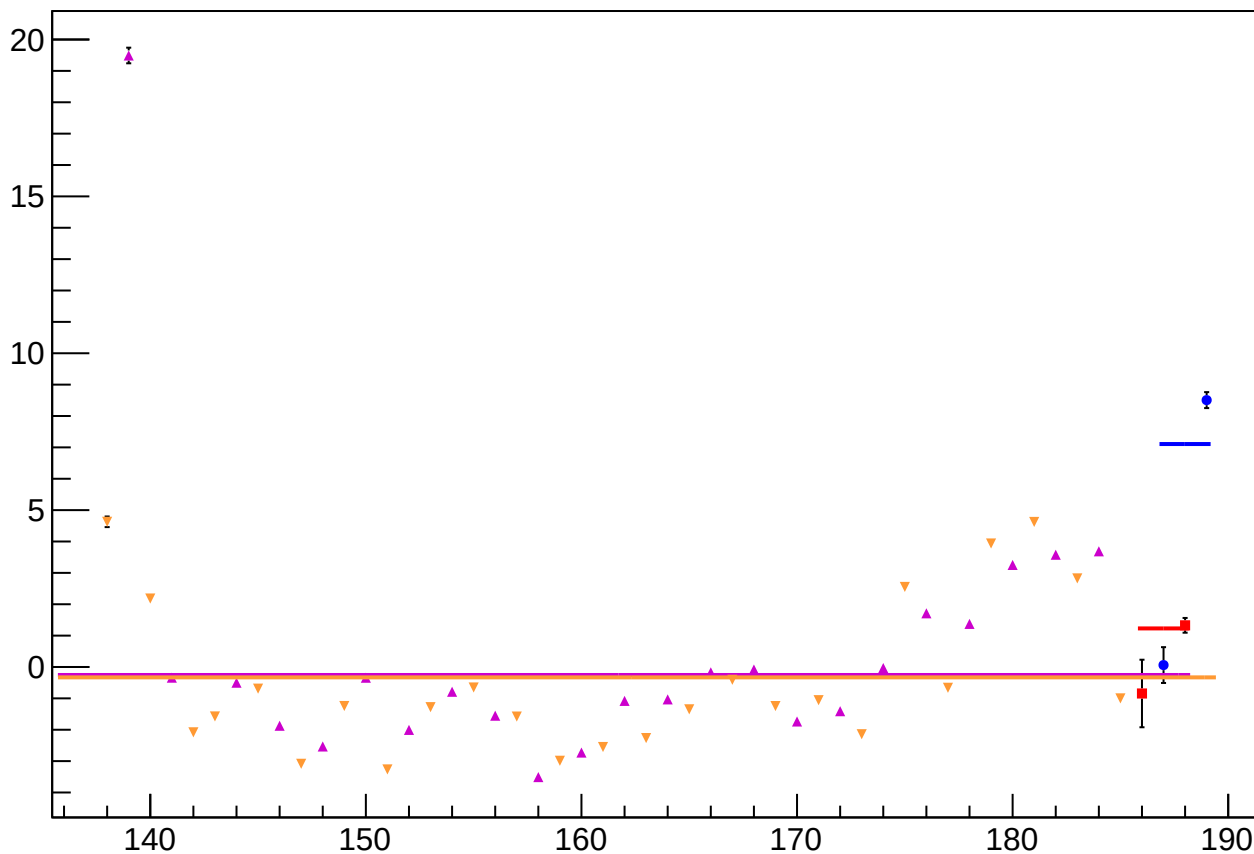
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.494+/-0.194 χ^2/NDF : 1.3/1
 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: 2.008+/-0.113 χ^2/NDF : 487.5/3
 In: -1.995+/-0.026 χ^2/NDF : 23675.3/24
 Out: -2.011+/-0.025 χ^2/NDF : 25951.2/26
 All: -2.003+/-0.018 χ^2/NDF : 49626.8/51

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



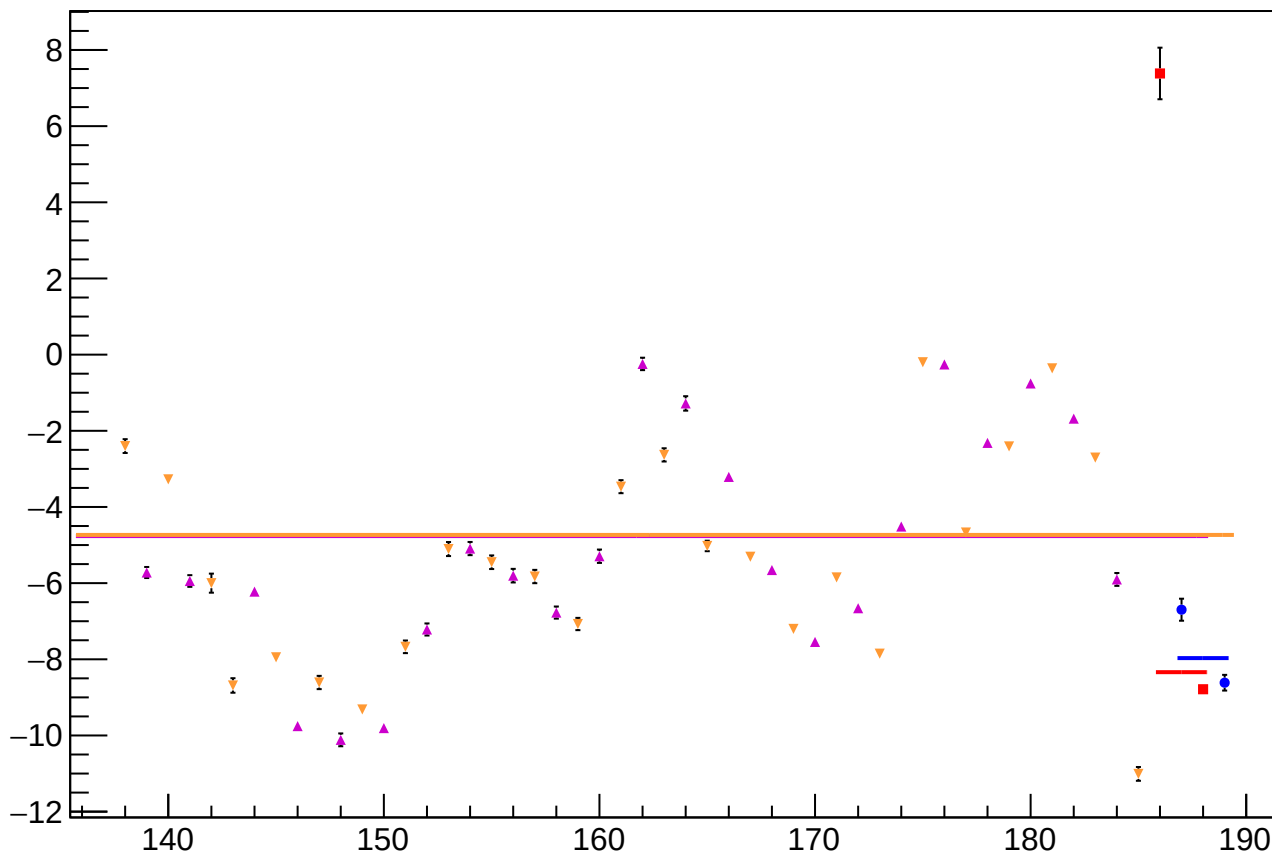
Right In: 7.107+/-0.232 χ^2/NDF : 182.6/1
 Left Out: -0.331+/-0.021 χ^2/NDF : 12552.3/24
 Right Out: 1.229+/-0.230 χ^2/NDF : 3.9/1
 Left In: -0.255+/-0.021 χ^2/NDF : 14162.0/22

Left: -0.293+/-0.015 χ^2/NDF : 26721.1/47
 Right: 4.131+/-0.163 χ^2/NDF : 510.2/3

In: -0.196+/-0.021 χ^2/NDF : 15339.6/24
 Out: -0.318+/-0.021 χ^2/NDF : 12602.1/26

All: -0.258+/-0.015 χ^2/NDF : 27959.2/51

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



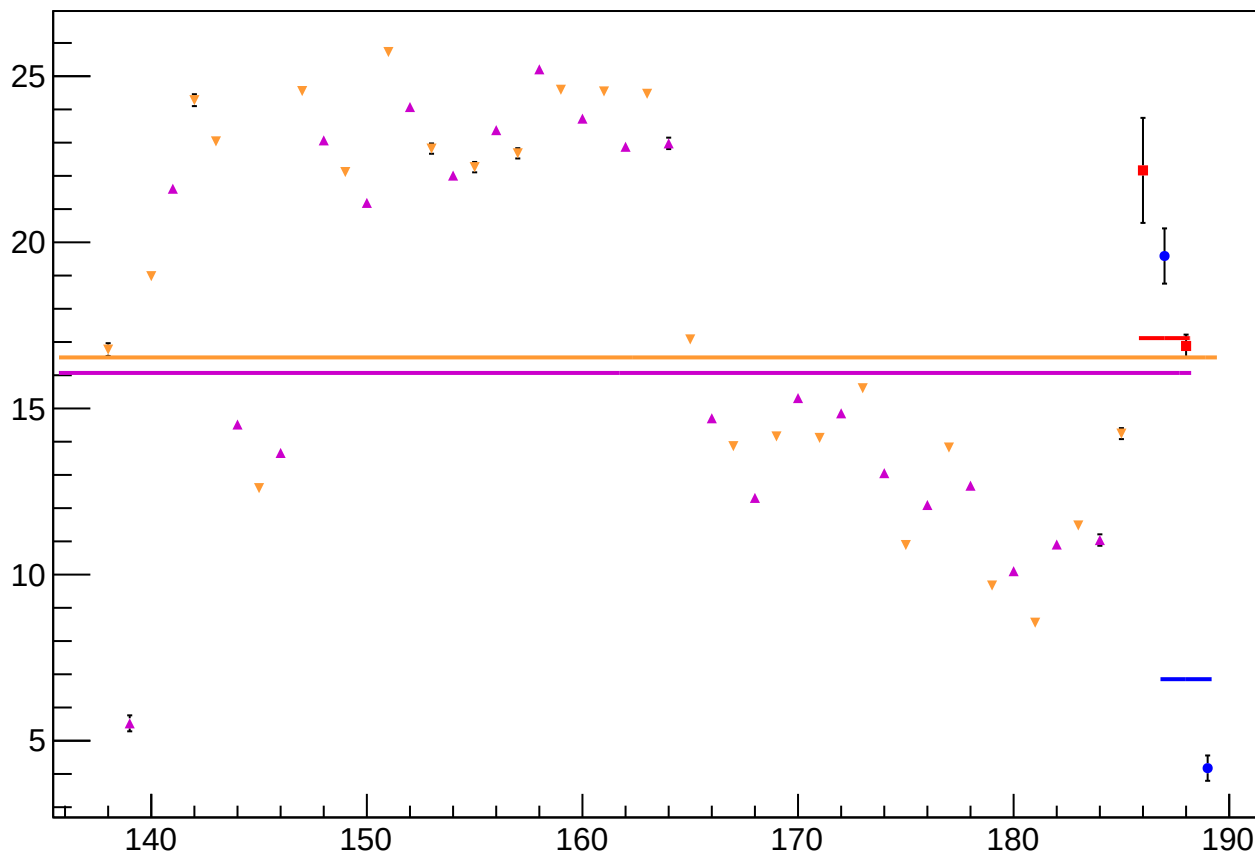
Right In: -7.968+/-0.168 χ^2/NDF : 29.1/1
 Left Out: -4.734+/-0.026 χ^2/NDF :13188.7/24
 Right Out: -8.338+/-0.113 χ^2/NDF : 554.2/1
 Left In: -4.764+/-0.026 χ^2/NDF :14163.2/22

Left: -4.749+/-0.018 χ^2/NDF : 27352.6/47
 Right: -8.223+/-0.094 χ^2/NDF : 586.6/3

In: -4.839+/-0.026 χ^2/NDF :14547.7/24
 Out: -4.914+/-0.025 χ^2/NDF :14713.0/26

All: -4.877+/-0.018 χ^2/NDF : 29265.0/51

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.852 $\pm$ 0.346 χ^2/NDF : 284.1/1

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

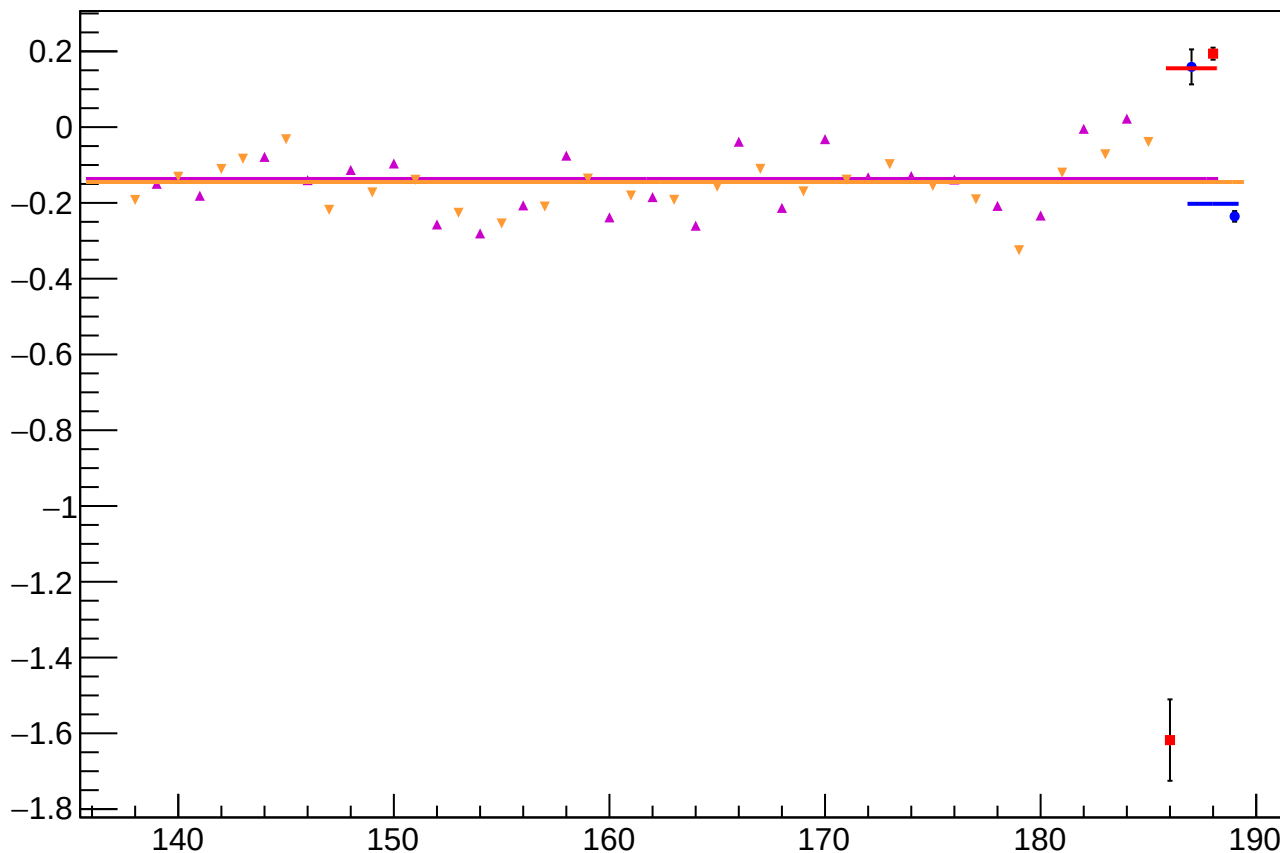
Right: 12.168 $\pm$ 0.241 χ^2/NDF : 749.6/3

In: 16.027 $\pm$ 0.023 χ^2/NDF :43725.1/24

Out: 16.539 $\pm$ 0.023 χ^2/NDF :53560.6/26

All: 16.286 $\pm$ 0.016 χ^2/NDF : 97527.6/51

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.202 $\pm$ 0.013 χ^2 /NDF: 66.9/1

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

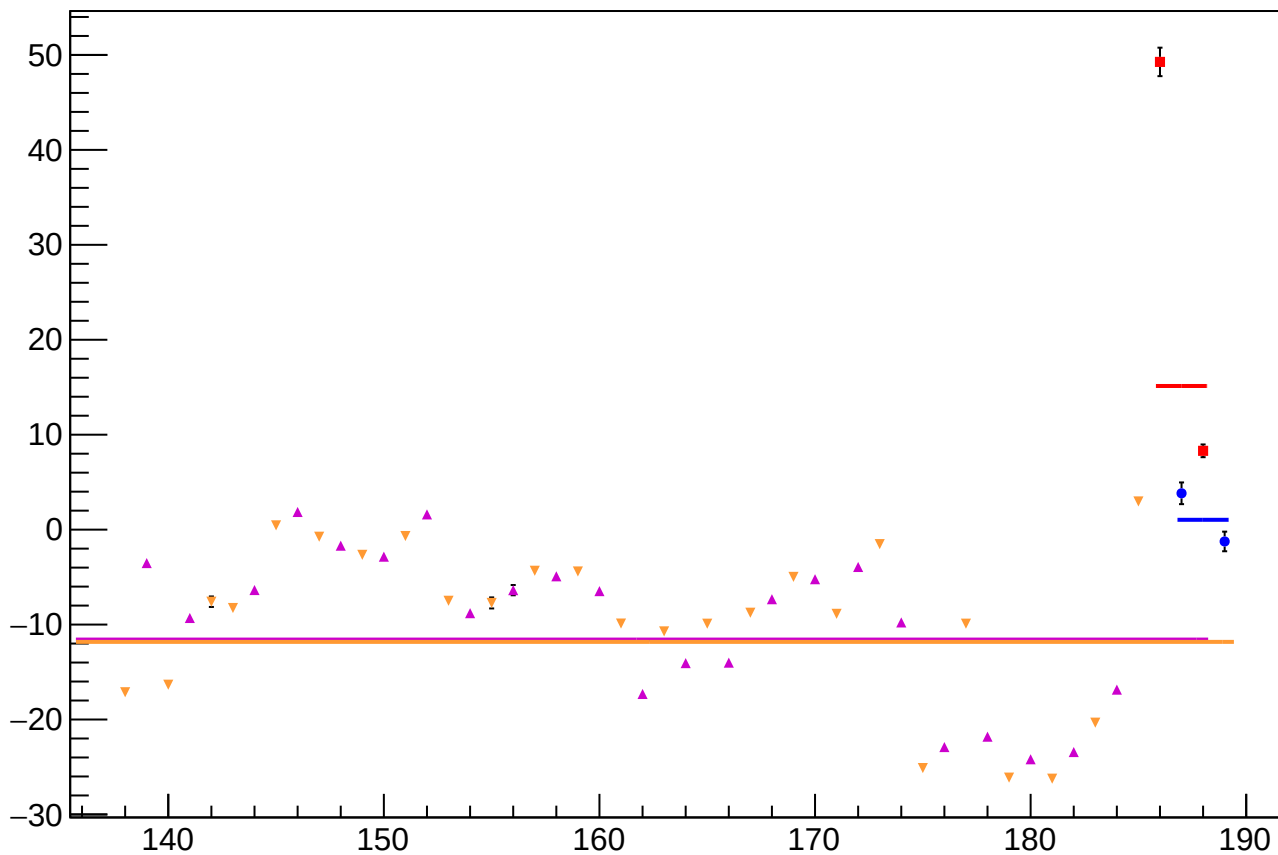
Right: -0.052 $\pm$ 0.010 χ^2 /NDF: 646.4/3

In: -0.137 $\pm$ 0.001 χ^2 /NDF:5474.2/24

Out: -0.143 $\pm$ 0.001 χ^2 /NDF:4398.4/26

All: -0.140 $\pm$ 0.001 χ^2 /NDF: 9890.0/51

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.036+/-0.766 χ^2/NDF : 10.8/1

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

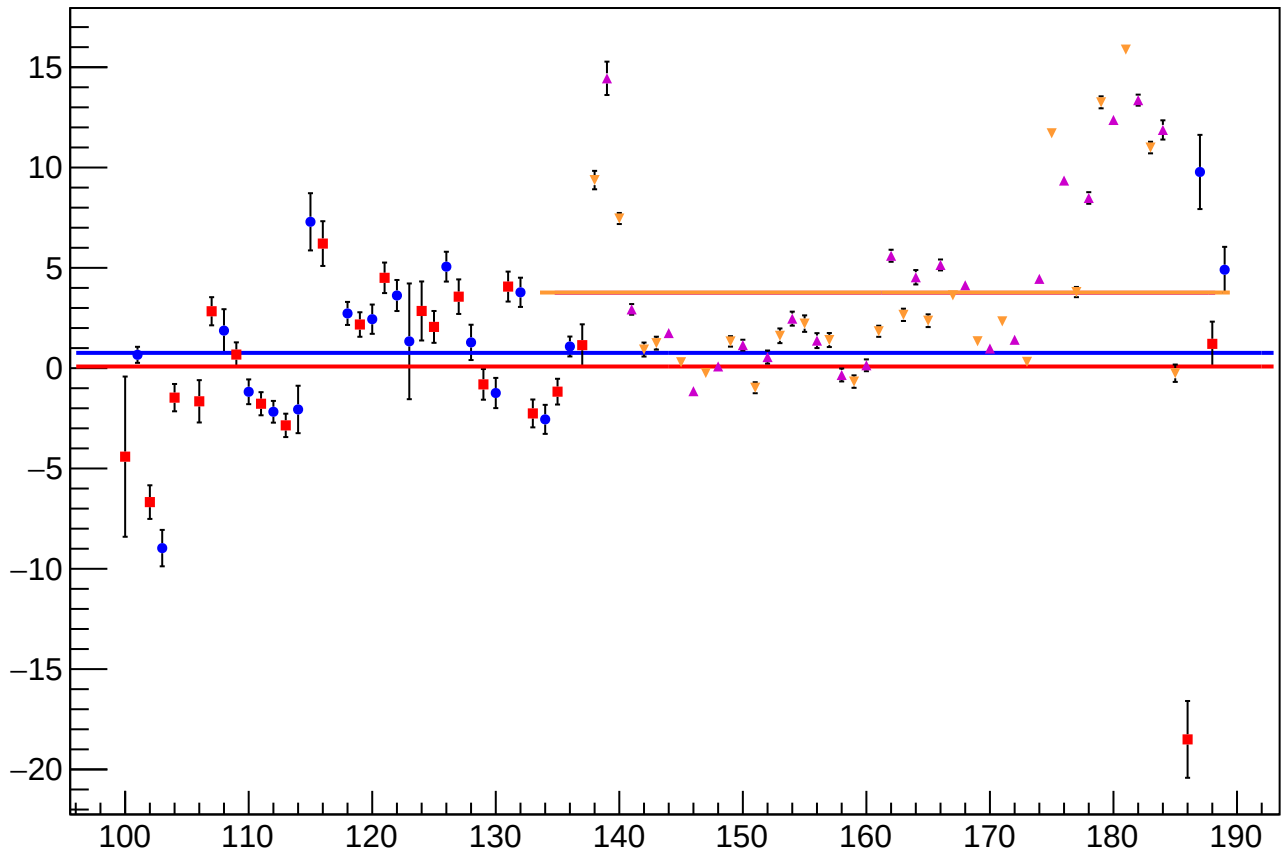
Right: 9.637+/-0.478 χ^2/NDF : 839.0/3

In: -11.472+/-0.071 χ^2/NDF : 14523.2/24

Out: -11.471+/-0.070 χ^2/NDF : 19810.9/26

All: -11.472+/-0.050 χ^2/NDF : 34334.1/51

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.762 ± 0.166 $\chi^2/\text{NDF}: 329.1/18$

Left Out: 3.770 ± 0.056 $\chi^2/\text{NDF}: 7420.4/24$

Right Out: 0.083 ± 0.172 $\chi^2/\text{NDF}: 369.4/20$

Left In: 3.755 ± 0.056 $\chi^2/\text{NDF}: 5655.2/22$

Left: 3.763 ± 0.040 $\chi^2/\text{NDF}: 13075.6/47$

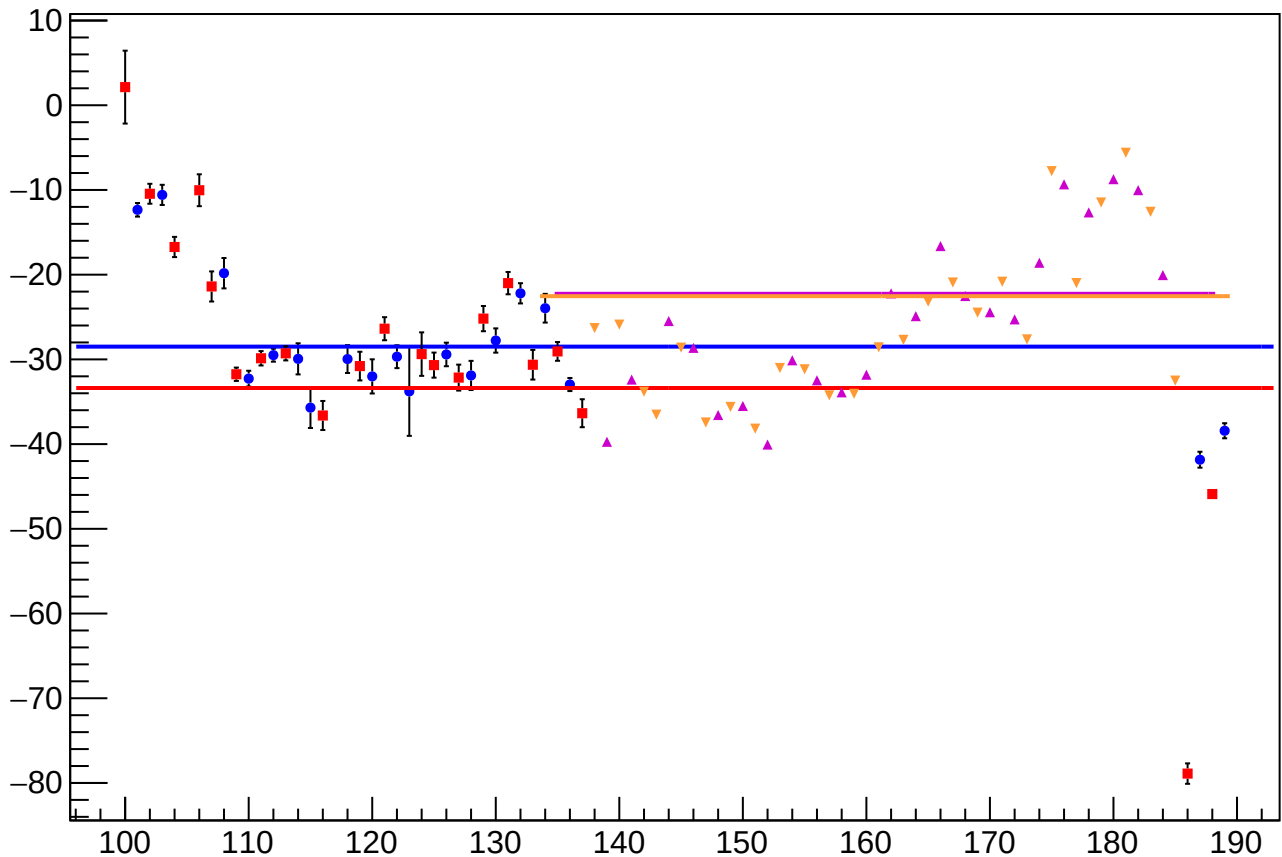
Right: 0.433 ± 0.120 $\chi^2/\text{NDF}: 706.5/39$

In: 3.447 ± 0.053 $\chi^2/\text{NDF}: 6274.2/41$

Out: 3.420 ± 0.053 $\chi^2/\text{NDF}: 8206.6/45$

All: 3.433 ± 0.038 $\chi^2/\text{NDF}: 14480.9/87$

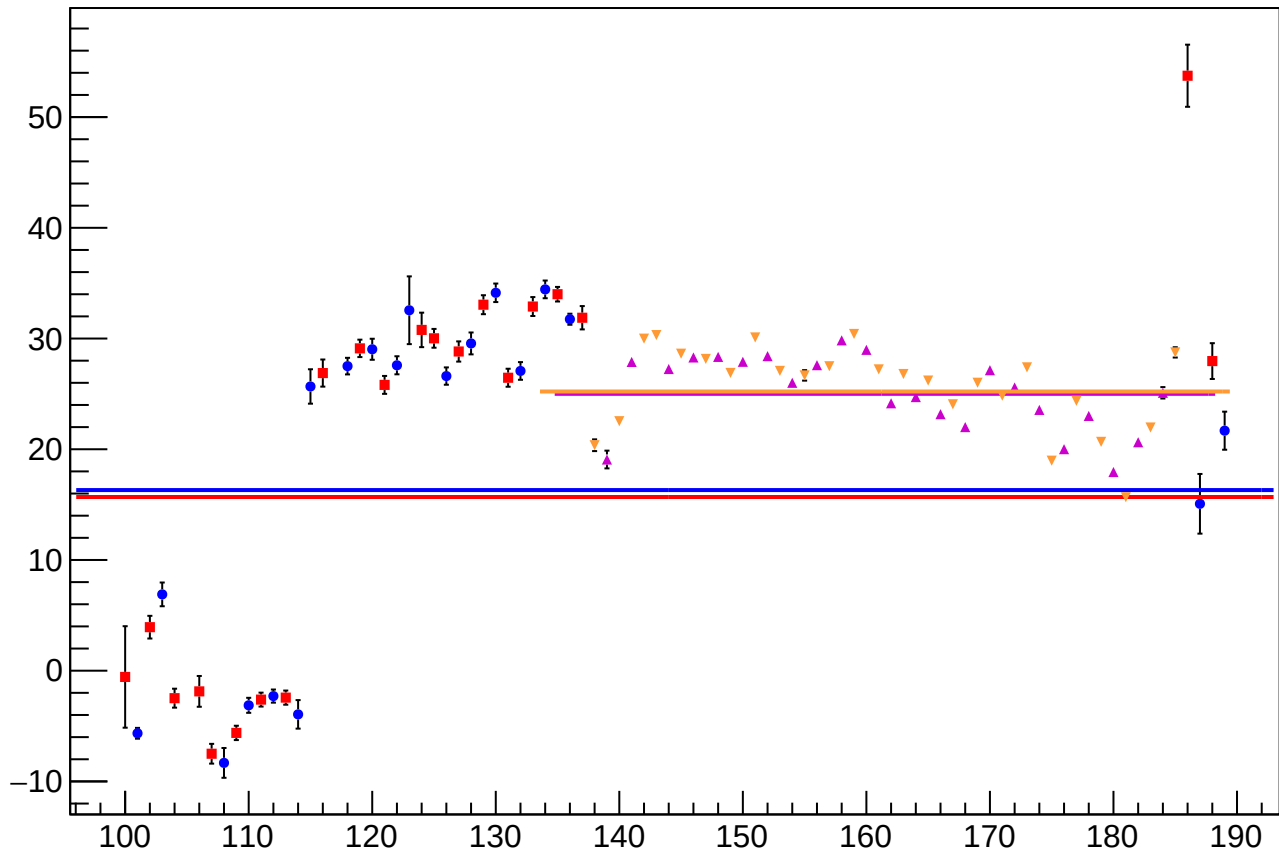
reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -28.493 ± 0.272 $\chi^2/\text{NDF}: 1087.9/18$
 Left Out: -22.540 ± 0.071 $\chi^2/\text{NDF}: 19751.6/24$
 Right Out: -33.377 ± 0.255 $\chi^2/\text{NDF}: 3026.2/20$
 Left In: -22.258 ± 0.071 $\chi^2/\text{NDF}: 17838.4/22$

Left: -22.400 ± 0.050 $\chi^2/\text{NDF}: 37597.8/47$
 Right: -31.092 ± 0.186 $\chi^2/\text{NDF}: 4285.8/39$
 In: -22.660 ± 0.069 $\chi^2/\text{NDF}: 19418.6/41$
 Out: -23.316 ± 0.068 $\chi^2/\text{NDF}: 24456.2/45$
 All: -22.991 ± 0.048 $\chi^2/\text{NDF}: 43920.6/87$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.313+/-0.189 χ^2 /NDF: 7621.4/18

Left Out: 25.216+/-0.063 χ^2 /NDF:3738.3/24

Right Out: 15.688+/-0.195 χ^2 /NDF: 7525.1/20

Left In: 25.005+/-0.064 χ^2 /NDF:2733.7/22

Left: 25.112+/-0.045 χ^2 /NDF: 6477.5/47

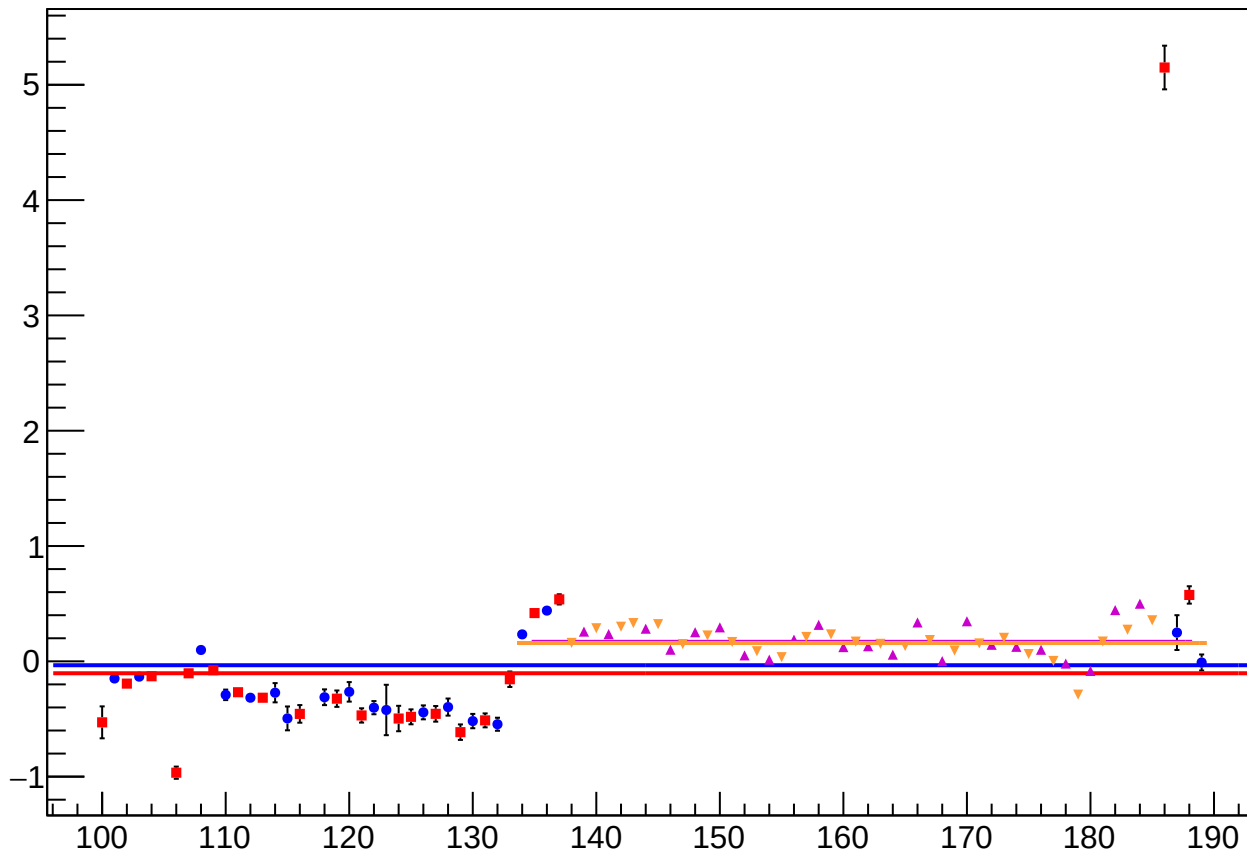
Right: 16.010+/-0.136 χ^2 /NDF: 15151.7/39

In: 24.124+/-0.060 χ^2 /NDF:12247.8/41

Out: 24.323+/-0.060 χ^2 /NDF:13425.5/45

All: 24.224+/-0.042 χ^2 /NDF: 25678.8/87

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.034 ± 0.010 χ^2/NDF : 1018.1/18

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

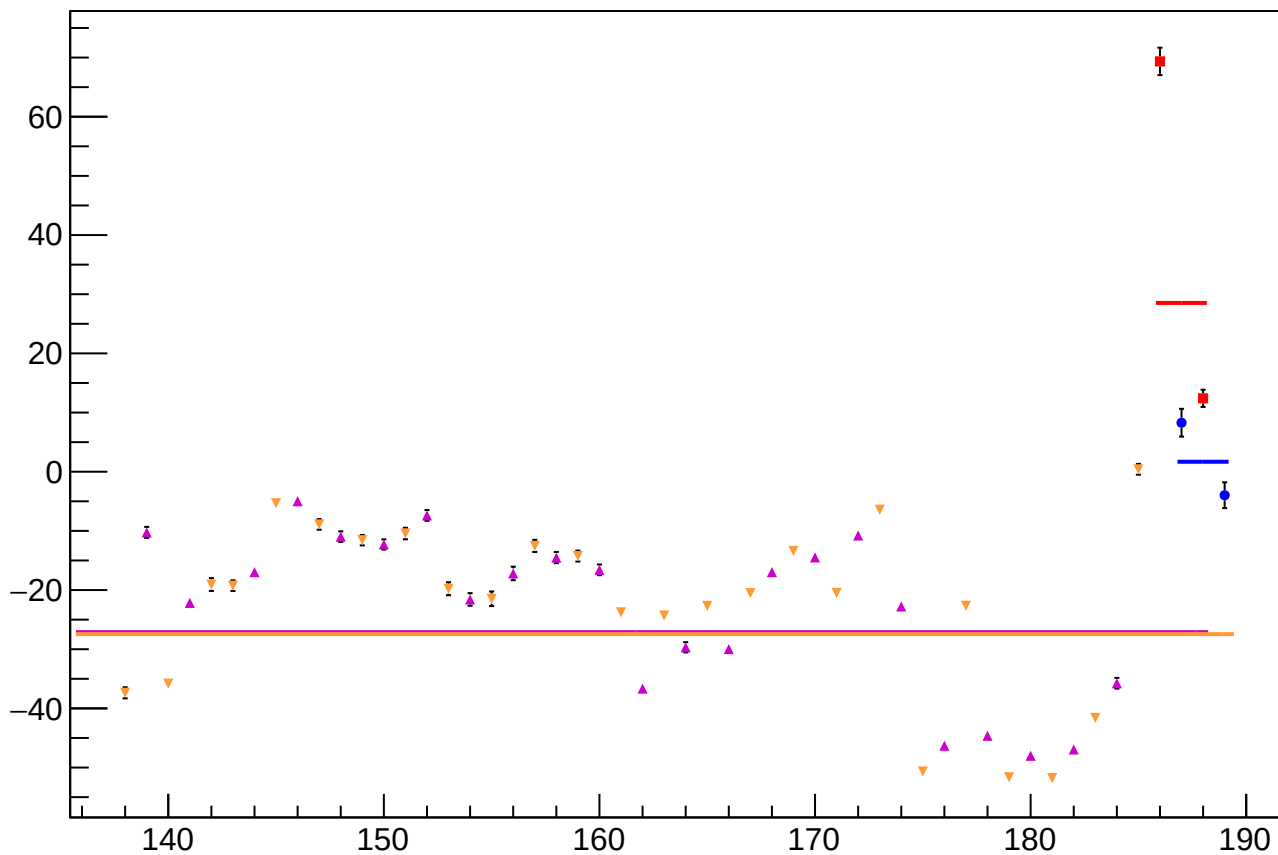
Right: -0.068 ± 0.007 χ^2/NDF : 3070.6/39

In: 0.154 ± 0.003 χ^2/NDF : 3816.9/41

Out: 0.140 ± 0.003 χ^2/NDF : 4493.8/45

All: 0.147 ± 0.002 χ^2/NDF : 8323.4/87

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.687+/-1.598 χ^2/NDF : 14.6/1

Left Out: -27.447+/-0.137 χ^2/NDF :14820.6/24

Right Out: 28.529+/-1.233 χ^2/NDF : 432.9/1

Left In: -27.114+/-0.139 χ^2/NDF :11443.8/22

Left: -27.283+/-0.097 χ^2/NDF : 26267.3/47

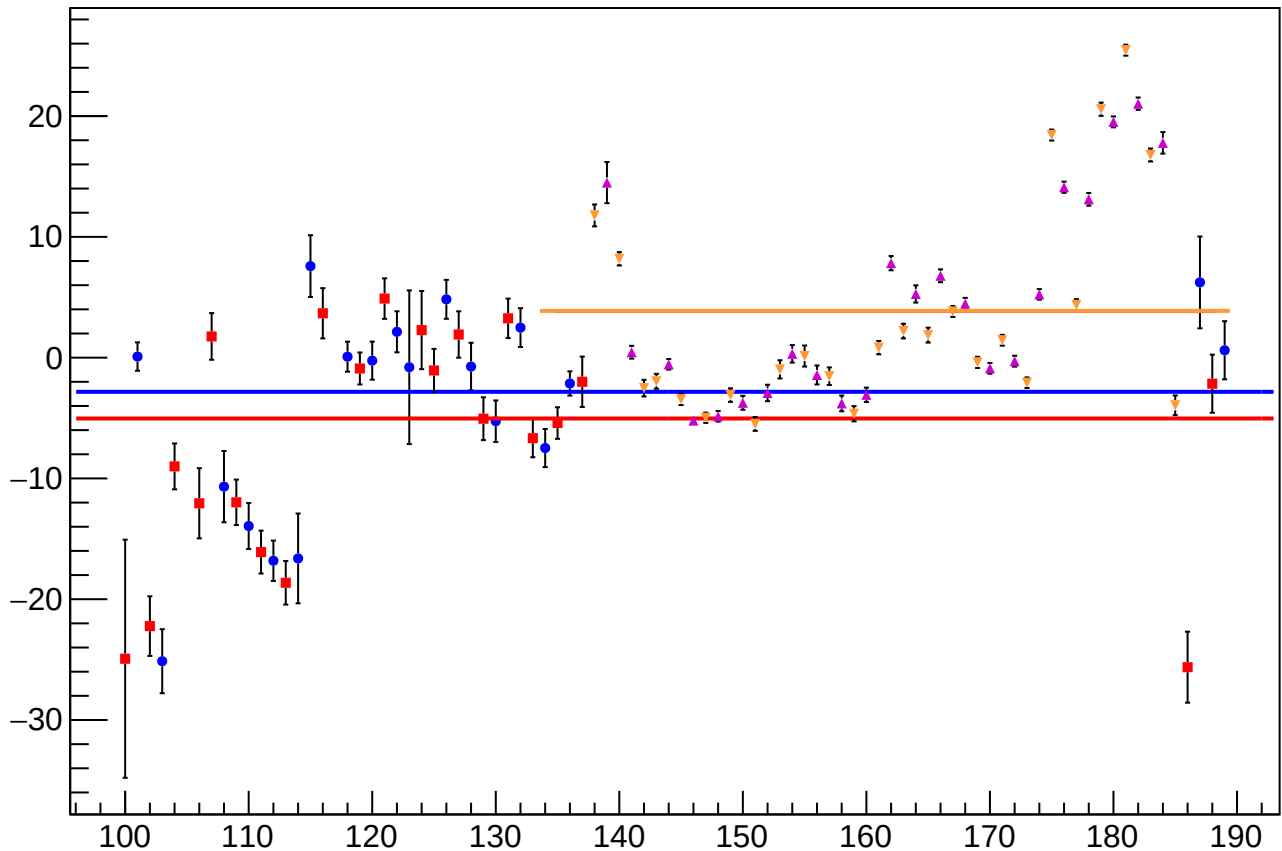
Right: 18.507+/-0.976 χ^2/NDF : 624.4/3

In: -26.899+/-0.138 χ^2/NDF :11781.0/24

Out: -26.764+/-0.136 χ^2/NDF :17288.8/26

All: -26.830+/-0.097 χ^2/NDF : 29070.3/51

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.827 ± 0.400 $\chi^2/\text{NDF}: 288.8/18$

Left Out: 3.873 ± 0.109 $\chi^2/\text{NDF}: 6906.0/24$

Right Out: -5.037 ± 0.416 $\chi^2/\text{NDF}: 349.4/20$

Left In: 3.861 ± 0.111 $\chi^2/\text{NDF}: 5438.4/22$

Left: 3.867 ± 0.078 $\chi^2/\text{NDF}: 12344.4/47$

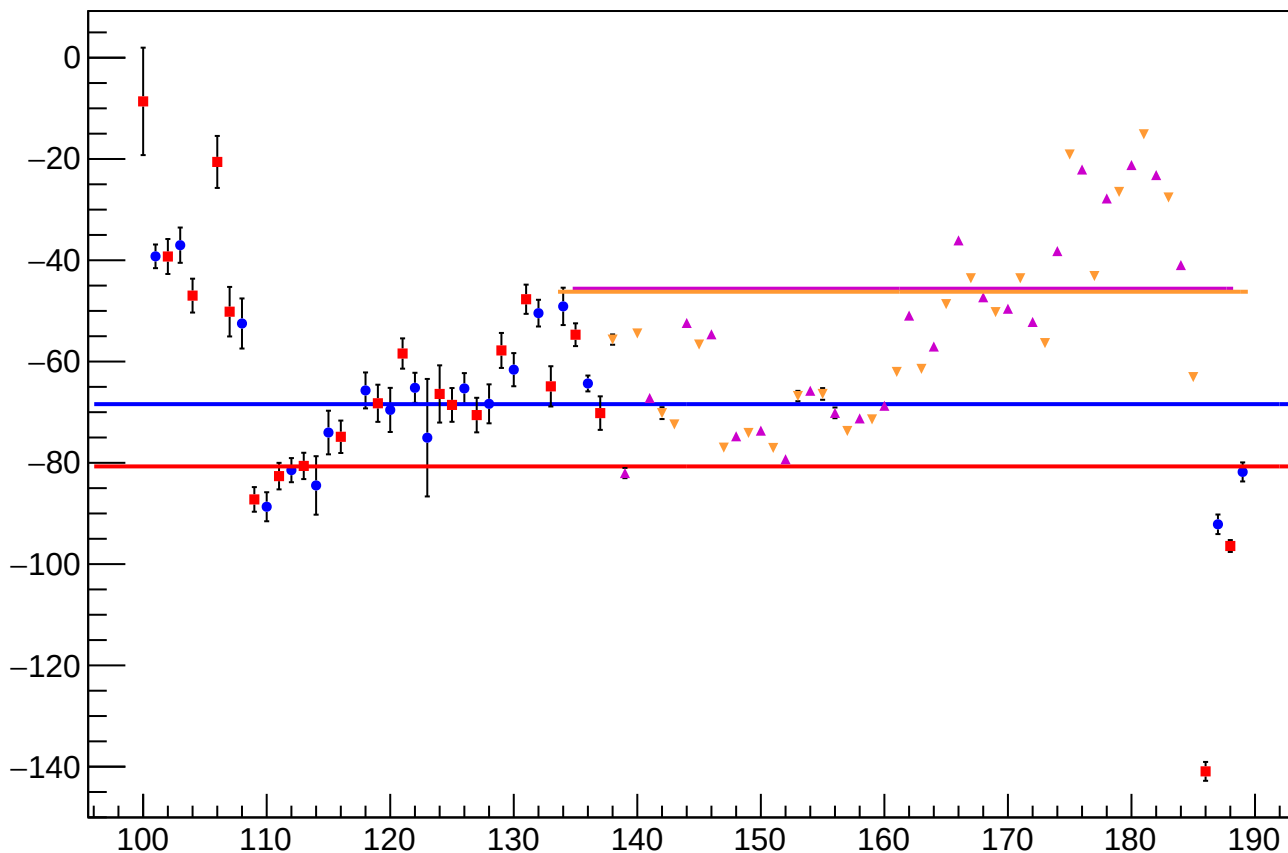
Right: -3.888 ± 0.288 $\chi^2/\text{NDF}: 652.8/39$

In: 3.383 ± 0.107 $\chi^2/\text{NDF}: 5987.3/41$

Out: 3.295 ± 0.106 $\chi^2/\text{NDF}: 7684.7/45$

All: 3.339 ± 0.075 $\chi^2/\text{NDF}: 13672.4/87$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



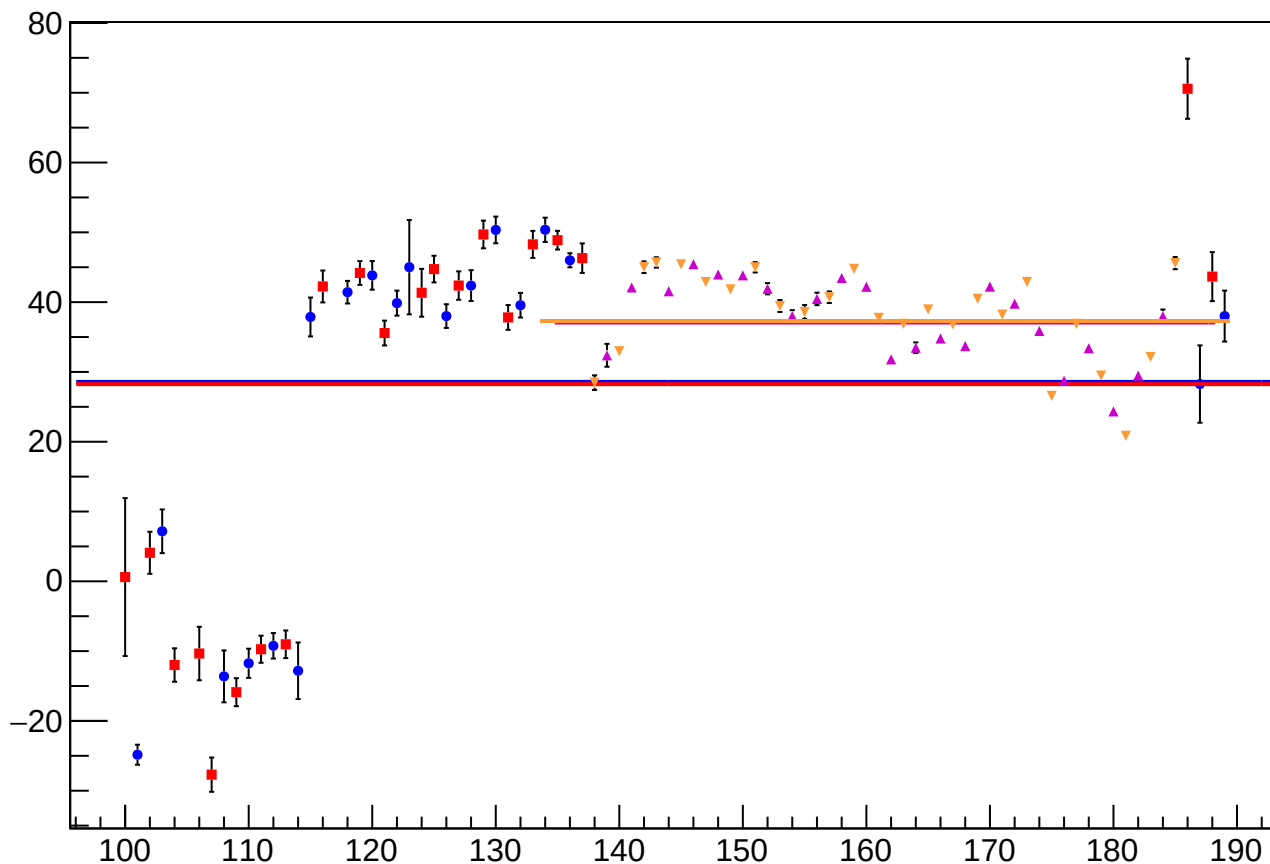
Right In: -68.411 ± 0.647 χ^2/NDF : 626.3/18
 Left Out: -46.213 ± 0.138 χ^2/NDF : 19981.0/24
 Right Out: -80.708 ± 0.599 χ^2/NDF : 2133.3/20
 Left In: -45.616 ± 0.139 χ^2/NDF : 17743.8/22

Left: -45.917 ± 0.098 χ^2/NDF : 37734.0/47
 Right: -75.030 ± 0.440 χ^2/NDF : 2953.9/39

In: -46.624 ± 0.136 χ^2/NDF : 19555.8/41
 Out: -47.952 ± 0.135 χ^2/NDF : 25258.8/45

All: -47.295 ± 0.096 χ^2/NDF : 44862.9/87

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.571 $\pm$ 0.452 χ^2 /NDF: 3337.1/18

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

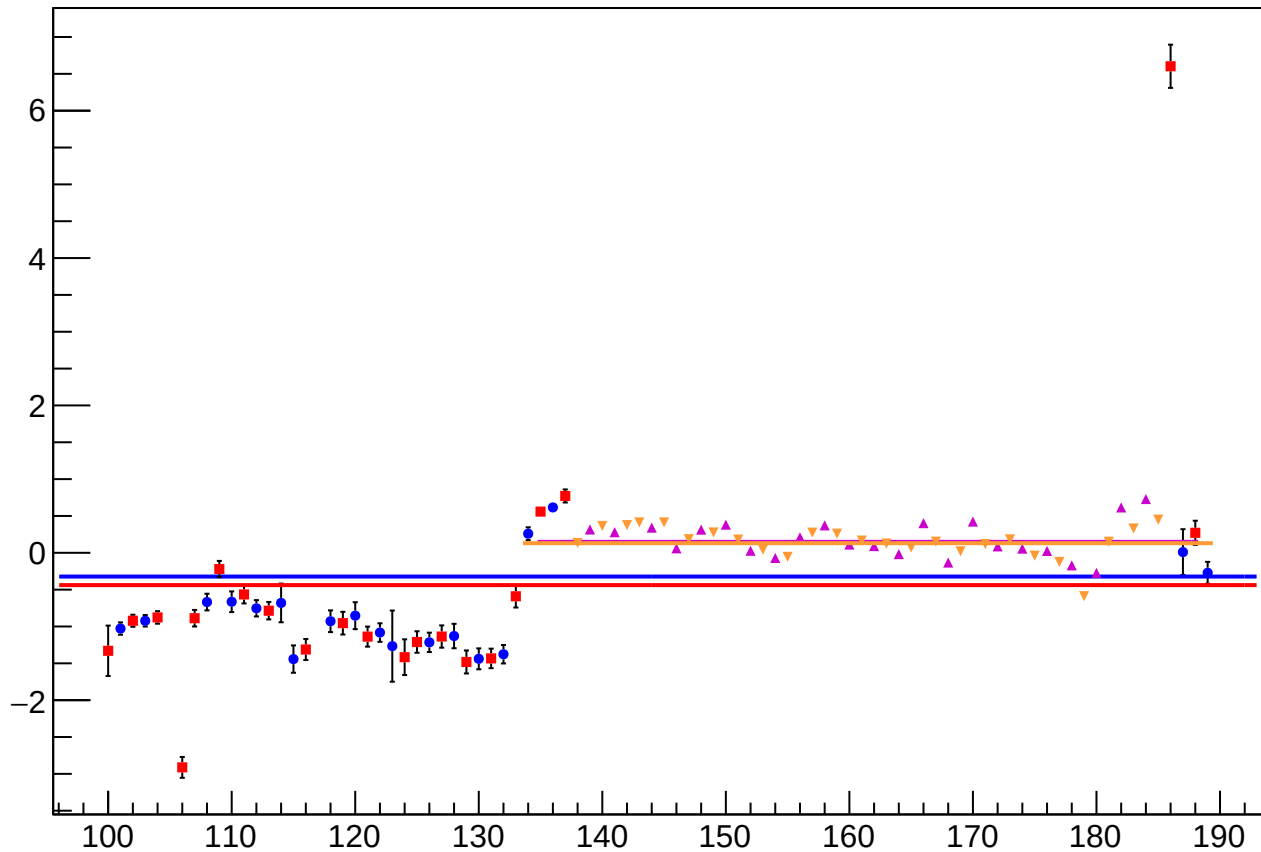
Right: 28.417 $\pm$ 0.326 χ^2 /NDF: 6488.9/39

In: 36.478 $\pm$ 0.120 χ^2 /NDF:6071.7/41

Out: 36.720 $\pm$ 0.119 χ^2 /NDF:6609.5/45

All: 36.600 $\pm$ 0.085 χ^2 /NDF: 12683.2/87

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.322 ± 0.024 $\chi^2/\text{NDF}: 1014.3/18$

Left Out: 0.130 ± 0.006 $\chi^2/\text{NDF}: 1419.7/24$

Right Out: -0.438 ± 0.025 $\chi^2/\text{NDF}: 1772.5/20$

Left In: 0.149 ± 0.006 $\chi^2/\text{NDF}: 1813.7/22$

Left: 0.139 ± 0.004 $\chi^2/\text{NDF}: 3238.6/47$

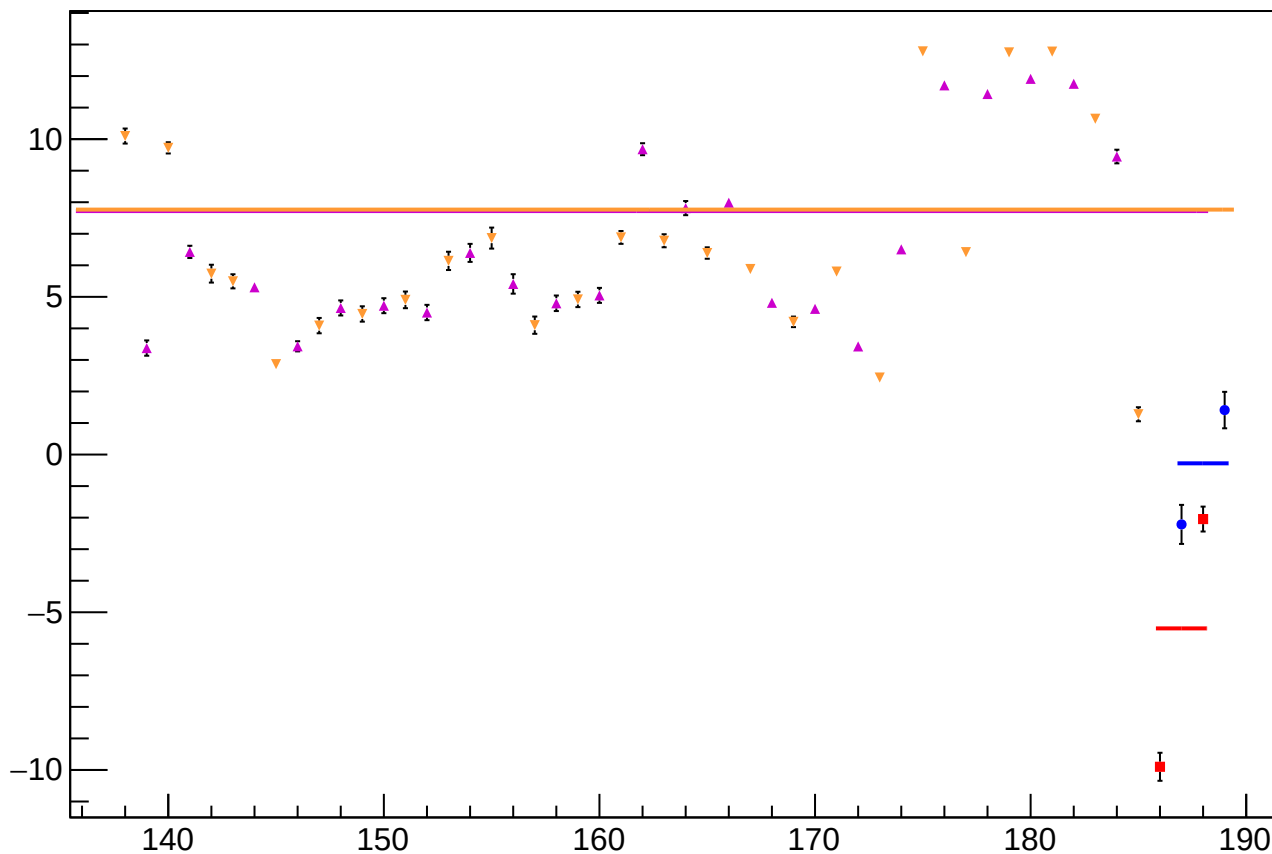
Right: -0.378 ± 0.018 $\chi^2/\text{NDF}: 2797.6/39$

In: 0.124 ± 0.006 $\chi^2/\text{NDF}: 3179.1/41$

Out: 0.104 ± 0.006 $\chi^2/\text{NDF}: 3674.0/45$

All: 0.114 ± 0.004 $\chi^2/\text{NDF}: 6860.3/87$

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.278 ± 0.422 χ^2/NDF : 18.3/1

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

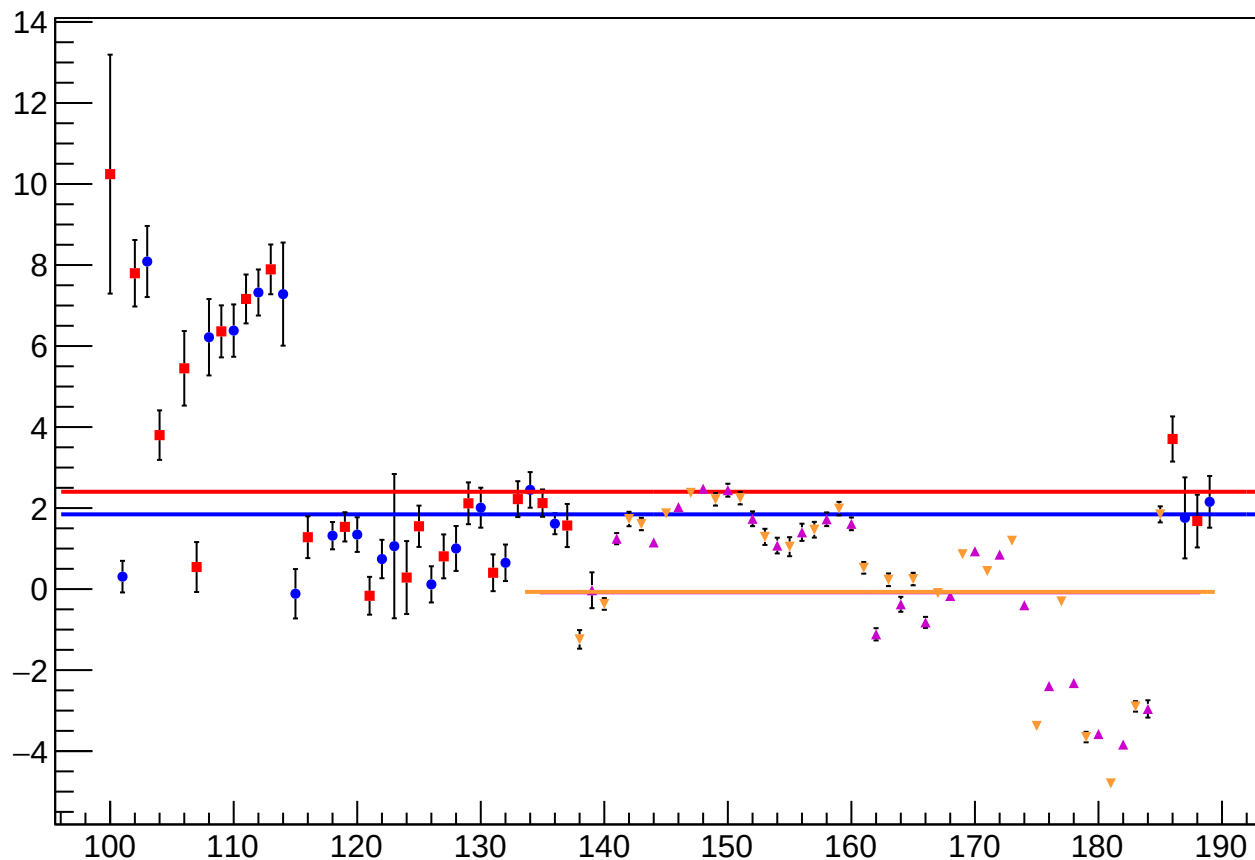
Right: -3.795 ± 0.242 χ^2/NDF : 296.0/3

In: 7.665 ± 0.035 χ^2/NDF : 8864.8/24

Out: 7.588 ± 0.034 χ^2/NDF : 13875.3/26

All: 7.626 ± 0.024 χ^2/NDF : 22742.6/51

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.845 ± 0.113 $\chi^2/\text{NDF}: 295.1/18$

Left Out: -0.069 ± 0.028 $\chi^2/\text{NDF}: 6033.5/24$

Right Out: 2.402 ± 0.118 $\chi^2/\text{NDF}: 343.2/20$

Left In: -0.079 ± 0.028 $\chi^2/\text{NDF}: 4989.1/22$

Left: -0.074 ± 0.020 $\chi^2/\text{NDF}: 11022.7/47$

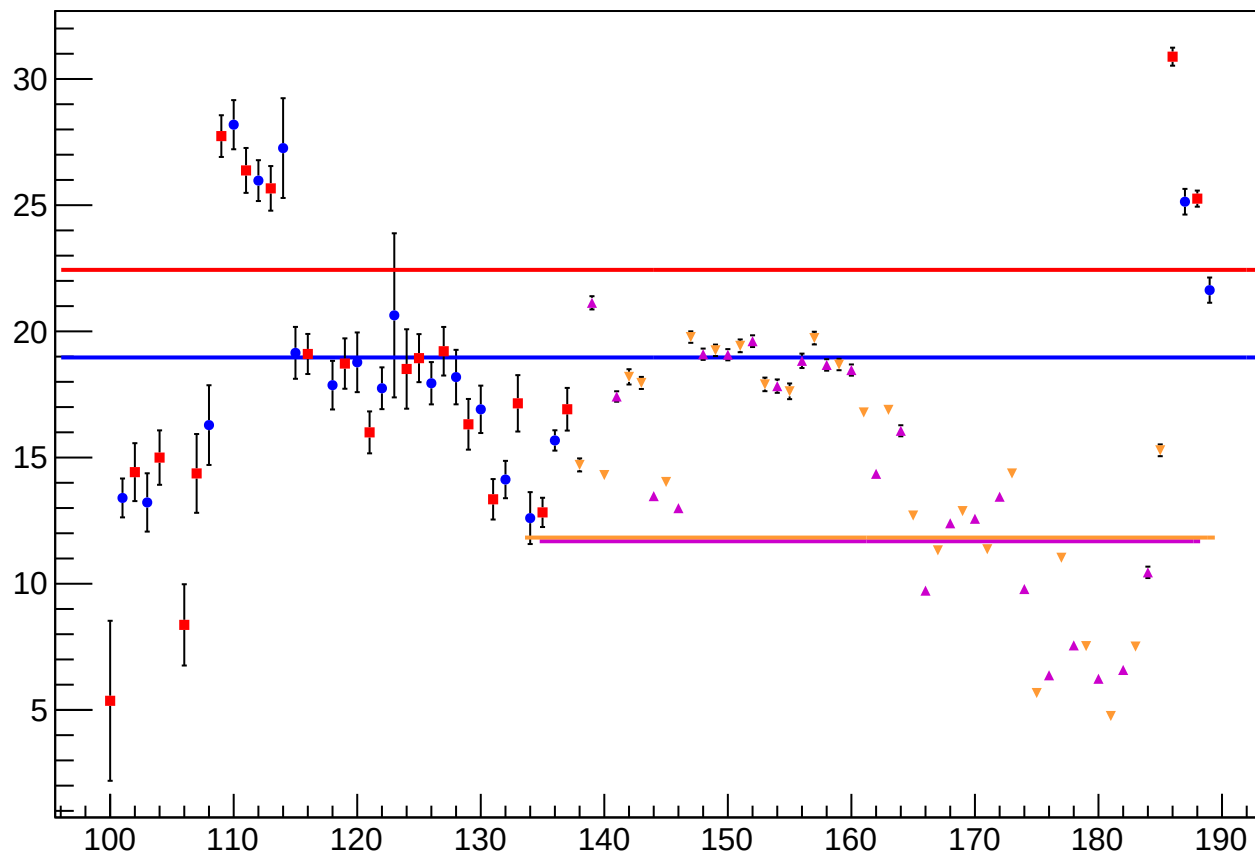
Right: 2.113 ± 0.082 $\chi^2/\text{NDF}: 649.9/39$

In: 0.033 ± 0.027 $\chi^2/\text{NDF}: 5555.1/41$

Out: 0.062 ± 0.027 $\chi^2/\text{NDF}: 6793.6/45$

All: 0.048 ± 0.019 $\chi^2/\text{NDF}: 12349.3/87$

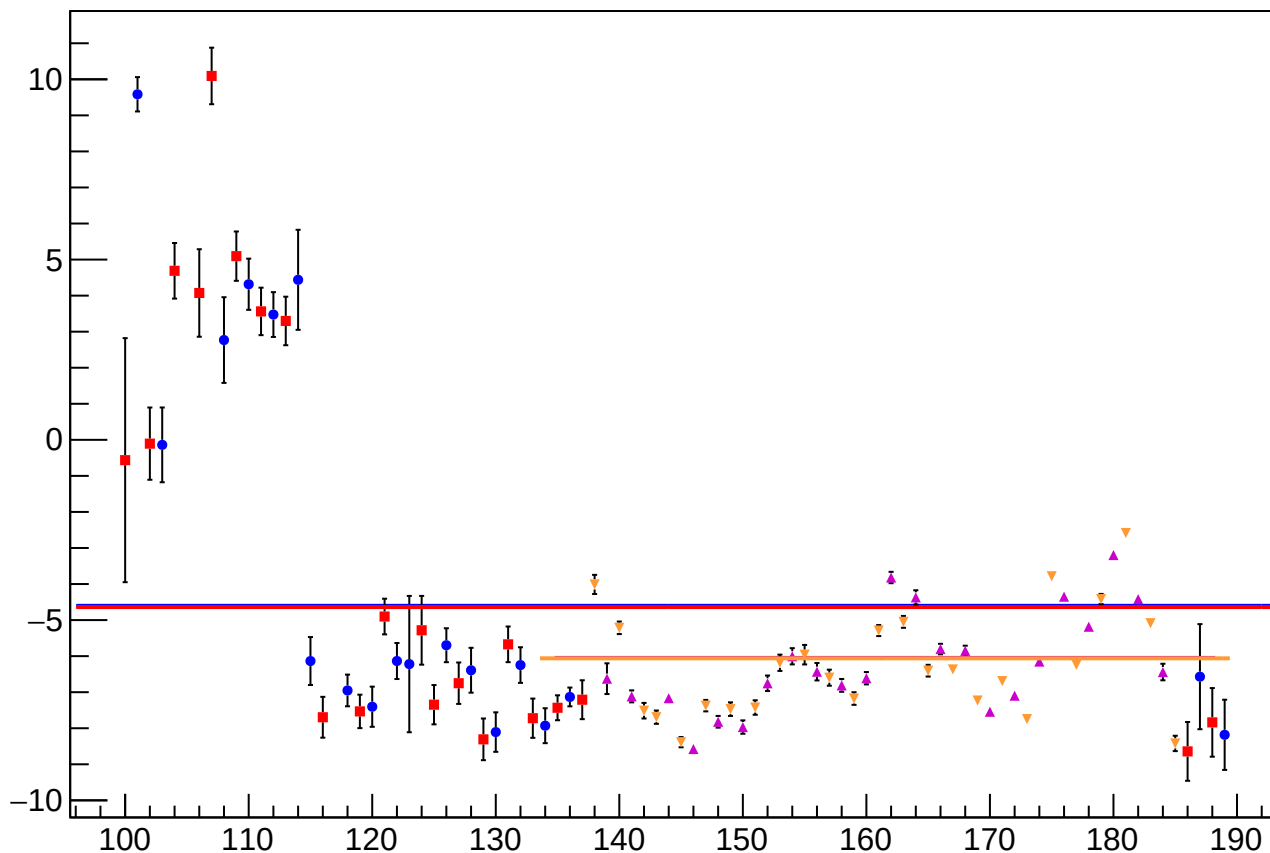
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 18.966 $\pm$ 0.182 χ^2 /NDF: 595.9/18
 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: 20.913 $\pm$ 0.121 χ^2 /NDF: 2368.4/39
 In: 11.944 $\pm$ 0.034 χ^2 /NDF:19066.4/41
 Out: 12.301 $\pm$ 0.034 χ^2 /NDF:24745.6/45
 All: 12.125 $\pm$ 0.024 χ^2 /NDF: 43866.7/87

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.605 ± 0.128 χ^2/NDF : 1605.9/18

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

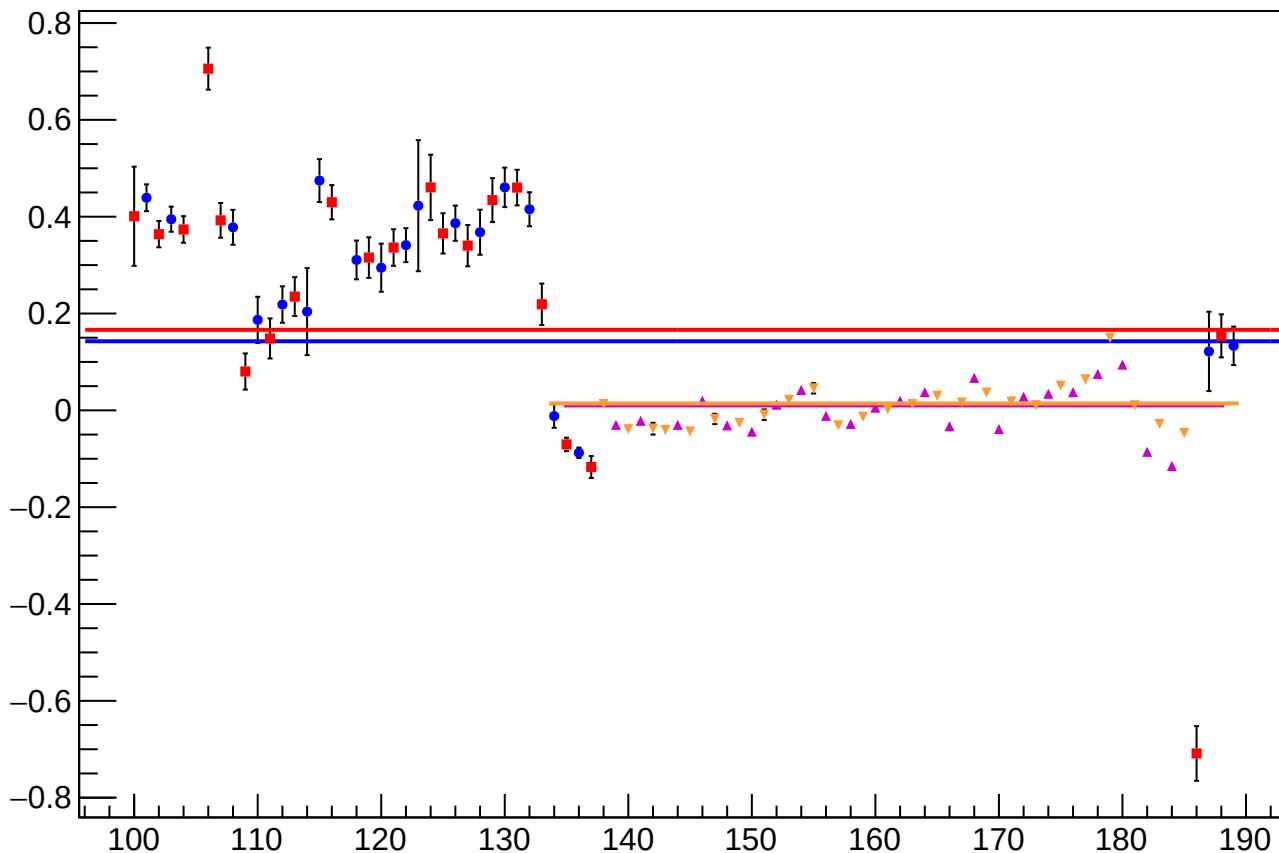
Right: -4.621 ± 0.092 χ^2/NDF : 2981.9/39

In: -5.967 ± 0.031 χ^2/NDF : 4029.5/41

Out: -5.987 ± 0.030 χ^2/NDF : 4132.6/45

All: -5.977 ± 0.022 χ^2/NDF : 8162.3/87

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.143 $\pm$ 0.007 χ^2 /NDF: 1060.5/18

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

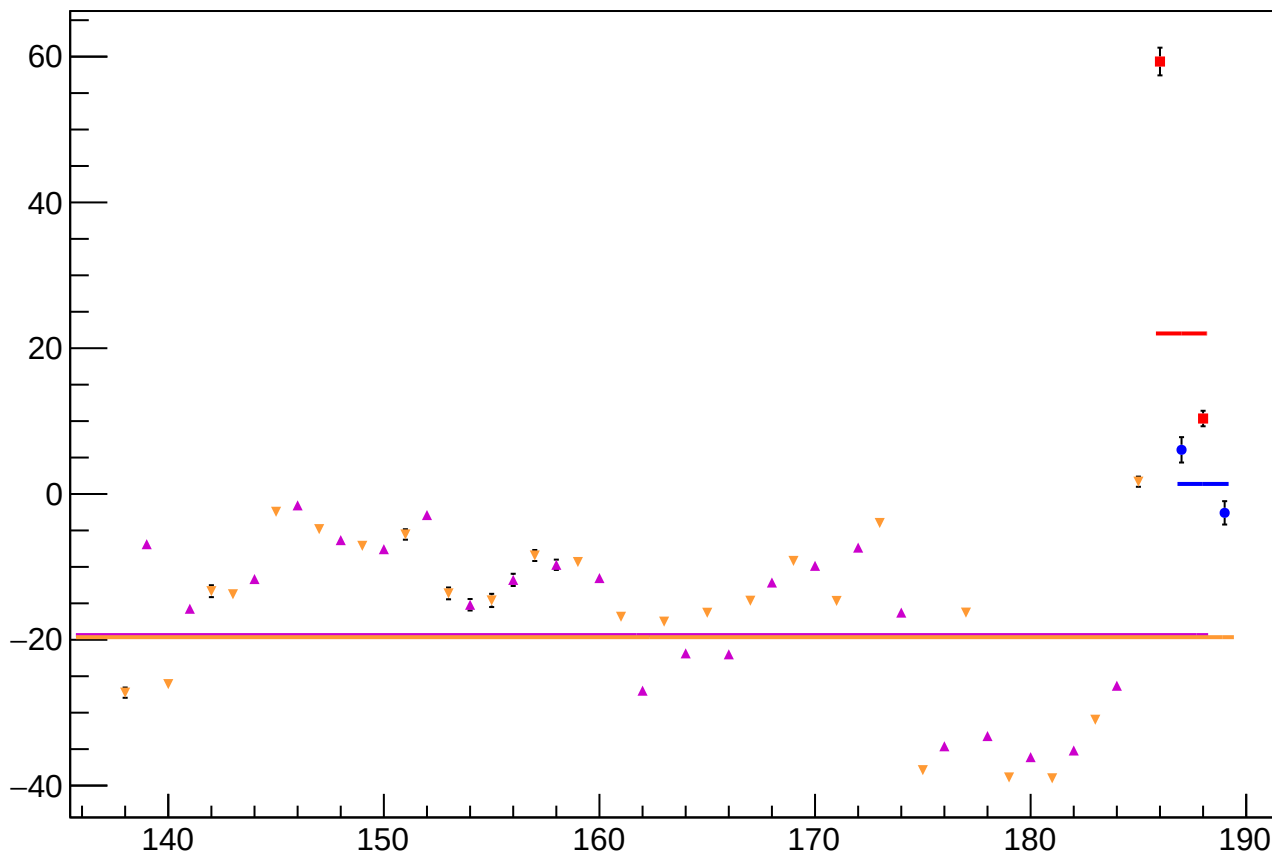
Right: 0.154 $\pm$ 0.005 χ^2 /NDF: 2318.4/39

In: 0.016 $\pm$ 0.001 χ^2 /NDF:2636.5/41

Out: 0.020 $\pm$ 0.001 χ^2 /NDF:2629.4/45

All: 0.018 $\pm$ 0.001 χ^2 /NDF: 5270.5/87

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



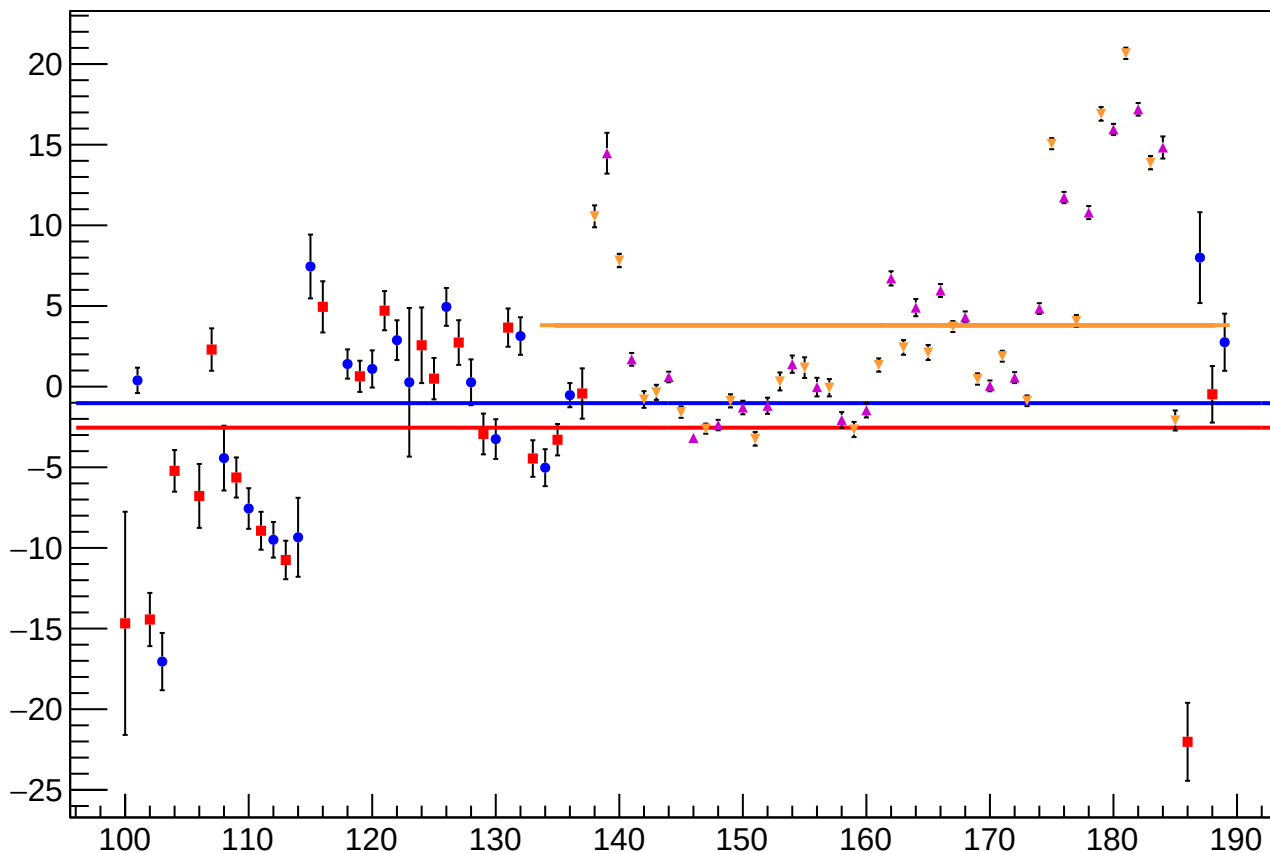
Right In: 1.380+/-1.180 χ^2/NDF : 13.3/1
 Left Out: -19.642+/-0.103 χ^2/NDF : 15730.6/24
 Right Out: 22.023+/-0.928 χ^2/NDF : 505.8/1
 Left In: -19.355+/-0.105 χ^2/NDF : 12417.1/22

Left: -19.501+/-0.074 χ^2/NDF : 28151.5/47
 Right: 14.134+/-0.729 χ^2/NDF : 708.3/3

In: -19.194+/-0.104 χ^2/NDF : 12737.0/24
 Out: -19.132+/-0.103 χ^2/NDF : 18228.8/26

All: -19.162+/-0.073 χ^2/NDF : 30966.0/51

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.023+/-0.285 χ^2/NDF : 293.9/18

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

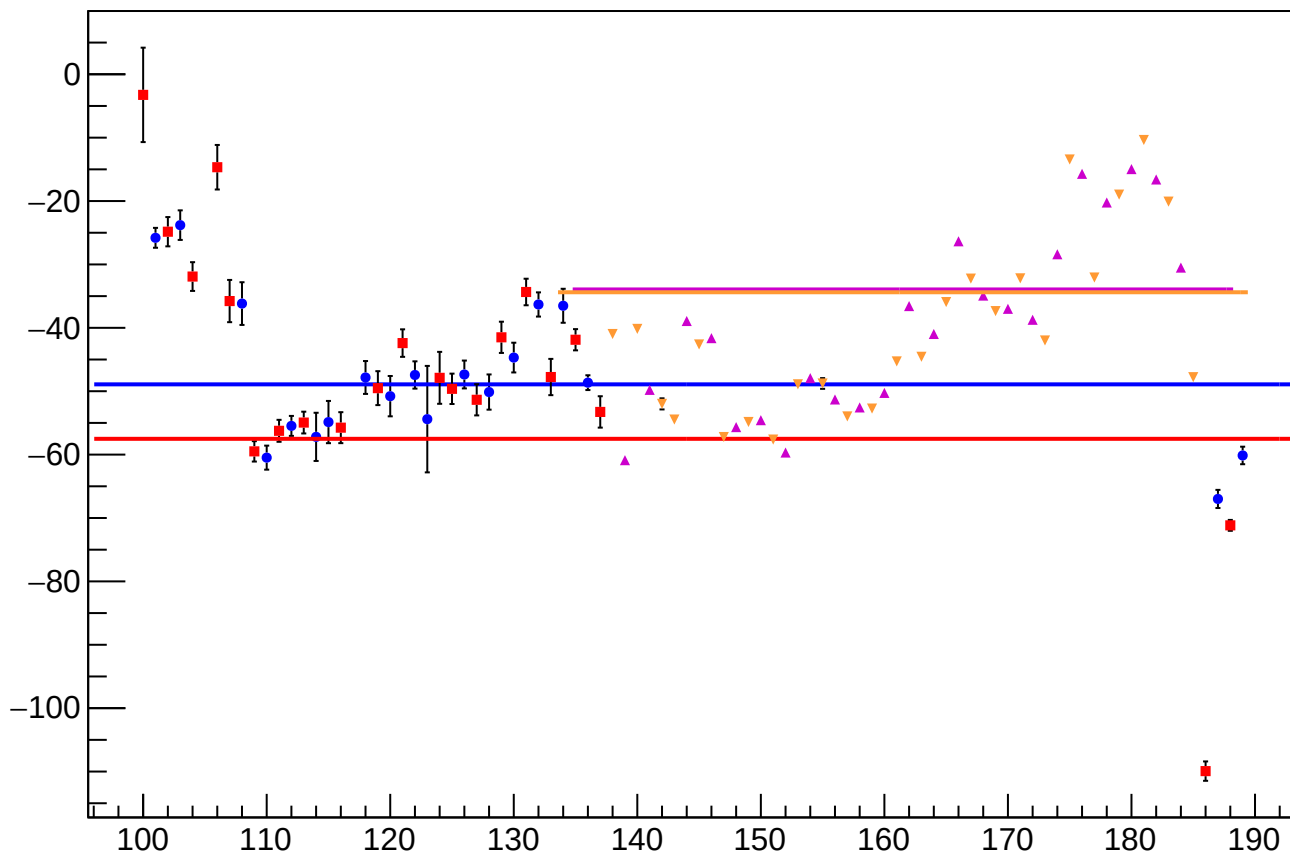
Right: -1.755+/-0.205 χ^2/NDF : 660.8/39

In: 3.415+/-0.080 χ^2/NDF : 6092.1/41

Out: 3.355+/-0.079 χ^2/NDF : 7900.0/45

All: 3.385+/-0.056 χ^2/NDF : 13992.4/87

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.918 $\pm$ 0.463 χ^2 /NDF: 705.3/18

Left Out: -34.389 $\pm$ 0.104 χ^2 /NDF:20032.2/24

Right Out: -57.510 $\pm$ 0.432 χ^2 /NDF: 2353.5/20

Left In: -33.946 $\pm$ 0.105 χ^2 /NDF:17855.4/22

Left: -34.169 $\pm$ 0.074 χ^2 /NDF: 37896.7/47

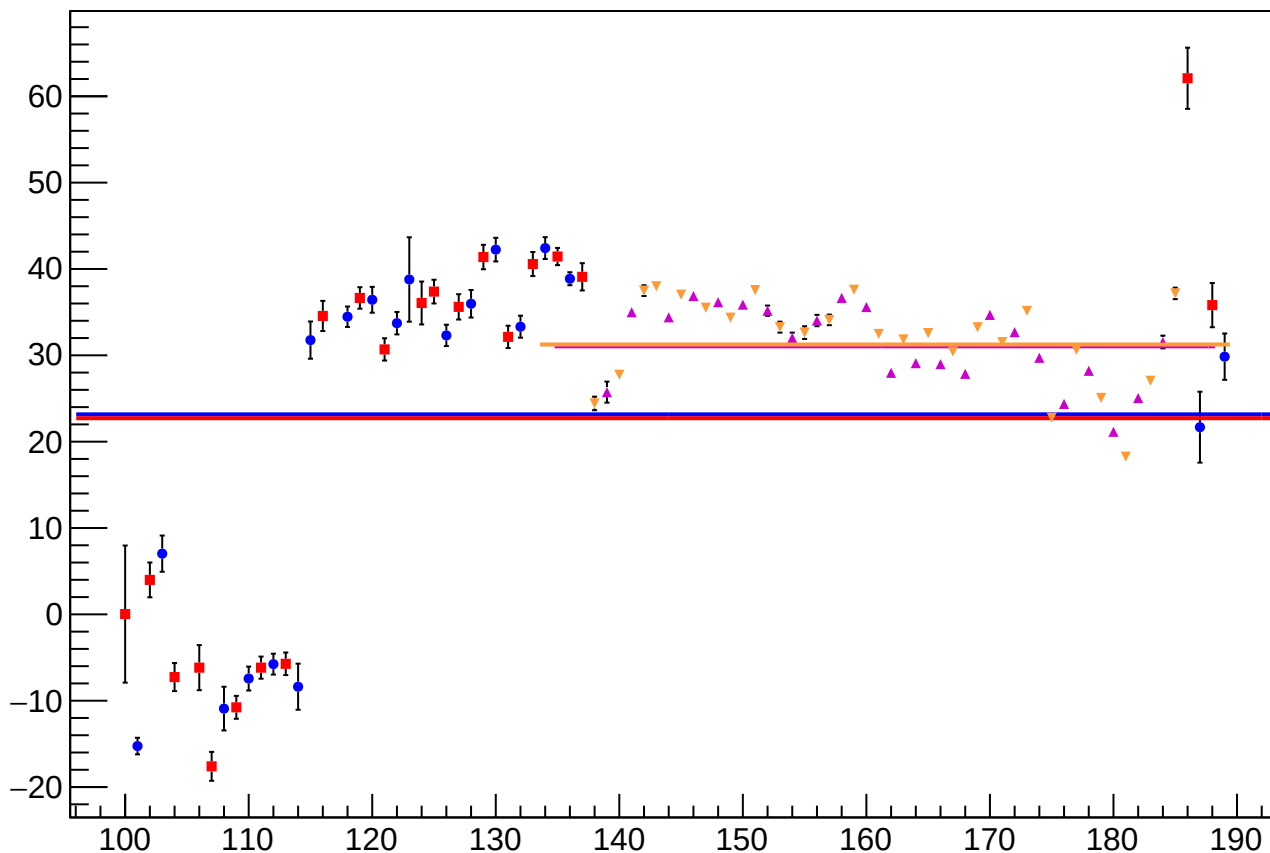
Right: -53.511 $\pm$ 0.316 χ^2 /NDF: 3243.3/39

In: -34.678 $\pm$ 0.102 χ^2 /NDF:19557.1/41

Out: -35.661 $\pm$ 0.101 χ^2 /NDF:25098.1/45

All: -35.174 $\pm$ 0.072 χ^2 /NDF: 44701.9/87

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.163+/-0.323 χ^2/NDF : 4352.4/18

Left Out: 31.252+/-0.093 χ^2/NDF :3305.3/24

Right Out: 22.715+/-0.335 χ^2/NDF : 4187.1/20

Left In: 31.040+/-0.094 χ^2/NDF :2488.6/22

Left: 31.147+/-0.066 χ^2/NDF : 5796.5/47

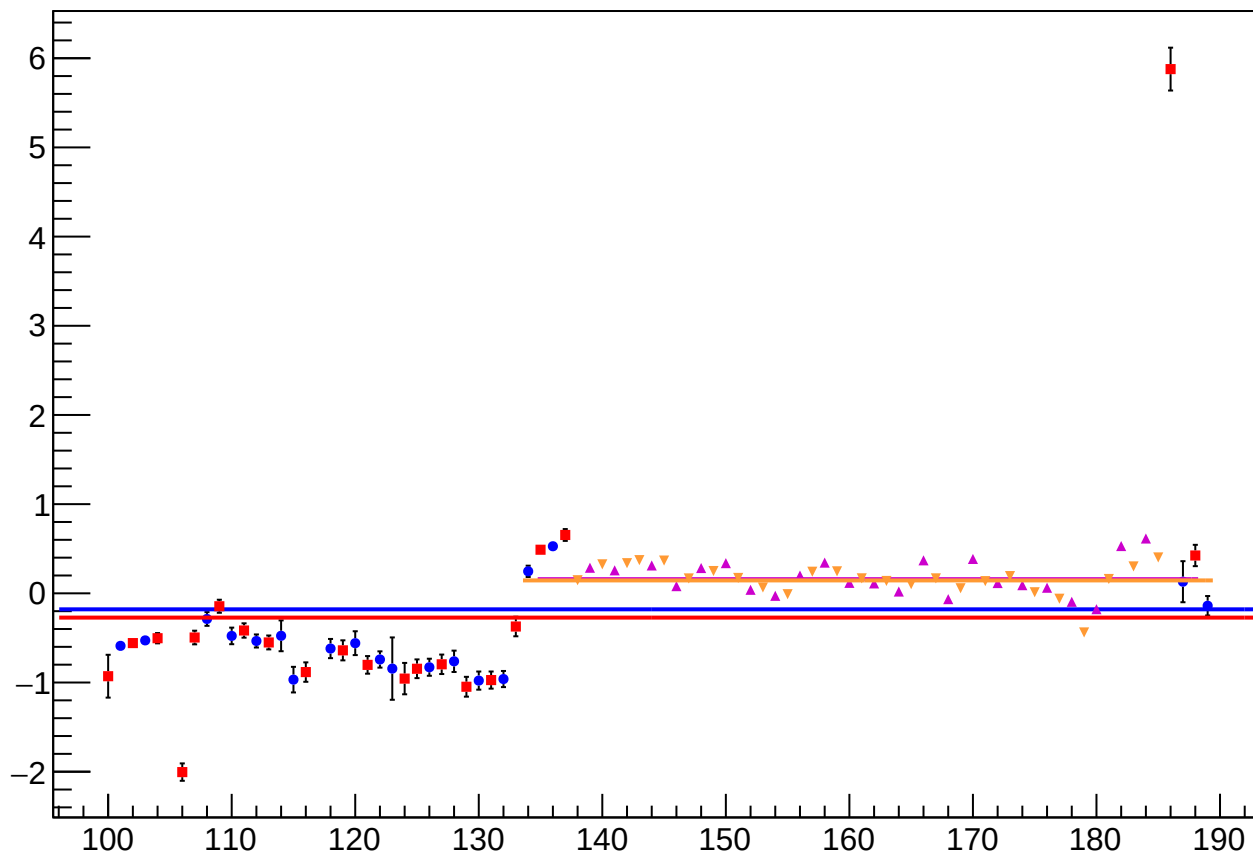
Right: 22.947+/-0.233 χ^2/NDF : 8540.4/39

In: 30.425+/-0.090 χ^2/NDF :7390.7/41

Out: 30.648+/-0.089 χ^2/NDF :8094.4/45

All: 30.538+/-0.063 χ^2/NDF : 15488.1/87

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.179 ± 0.017 χ^2/NDF : 1000.1/18

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

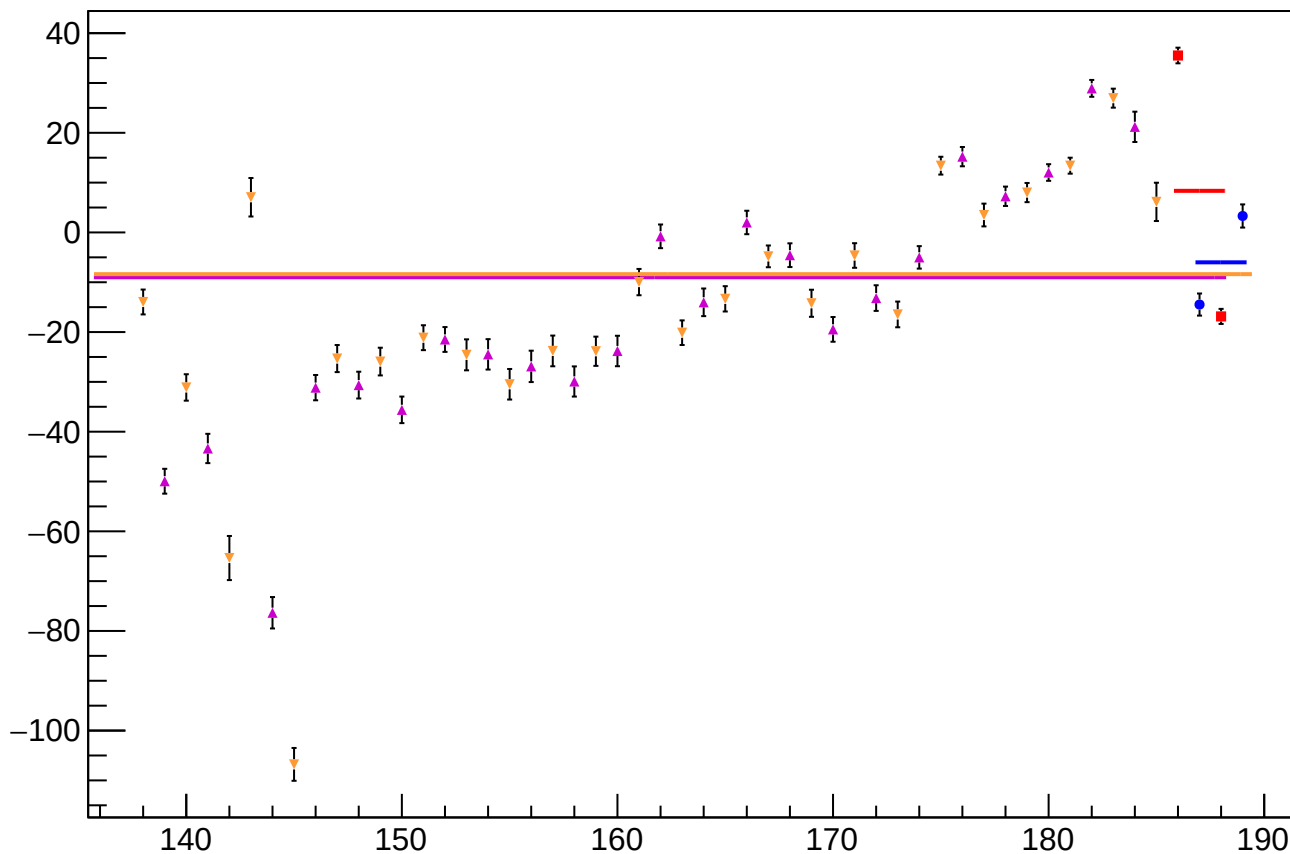
Right: -0.225 ± 0.012 χ^2/NDF : 2895.3/39

In: 0.140 ± 0.004 χ^2/NDF : 3375.3/41

Out: 0.123 ± 0.004 χ^2/NDF : 3967.5/45

All: 0.131 ± 0.003 χ^2/NDF : 7351.2/87

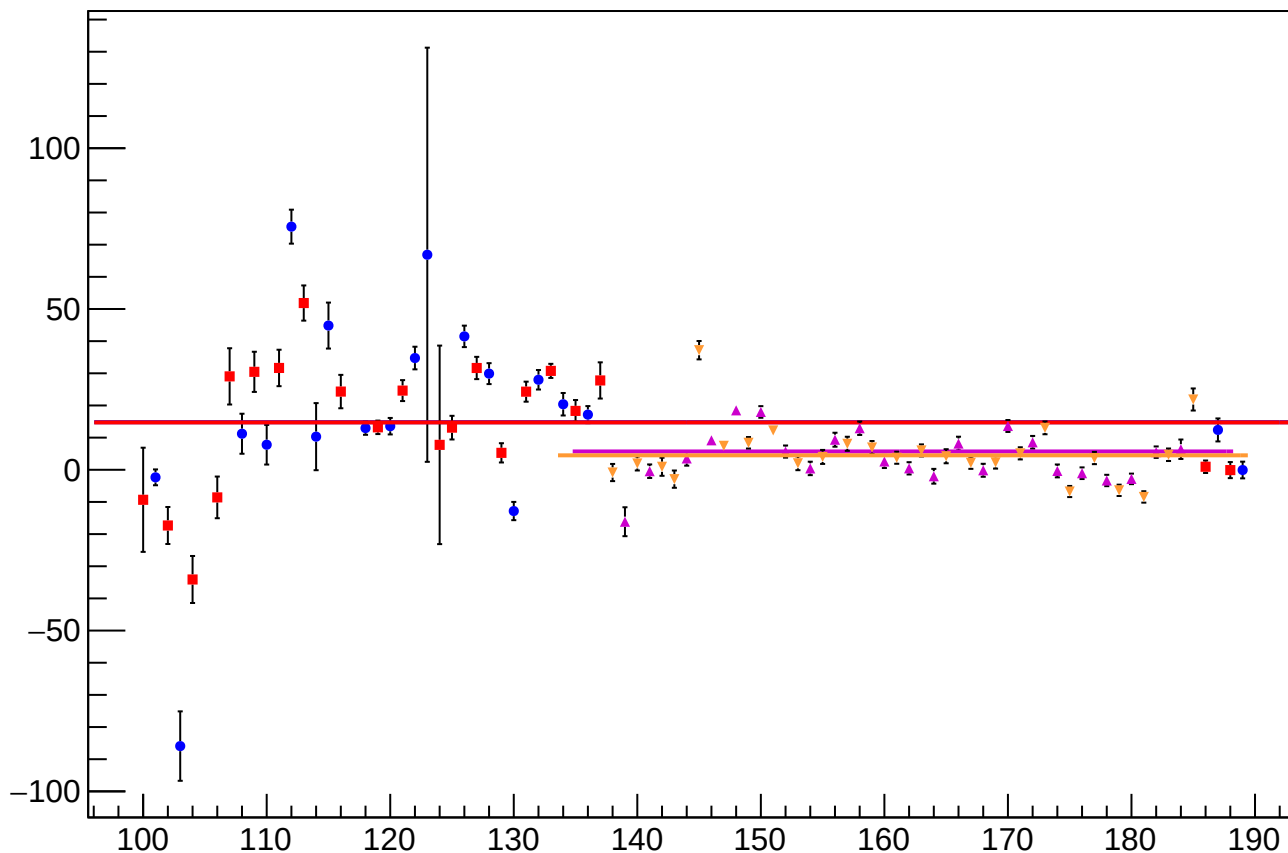
reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.004 ± 1.606 χ^2/NDF : 30.6/1
 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: 3.823 ± 0.902 χ^2/NDF : 661.5/3
 In: -8.726 ± 0.482 χ^2/NDF : 2341.9/24
 Out: -5.466 ± 0.455 χ^2/NDF : 2994.7/26
 All: -7.001 ± 0.331 χ^2/NDF : 5360.9/51

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 14.795+/-0.786 χ^2/NDF : 557.0/18

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

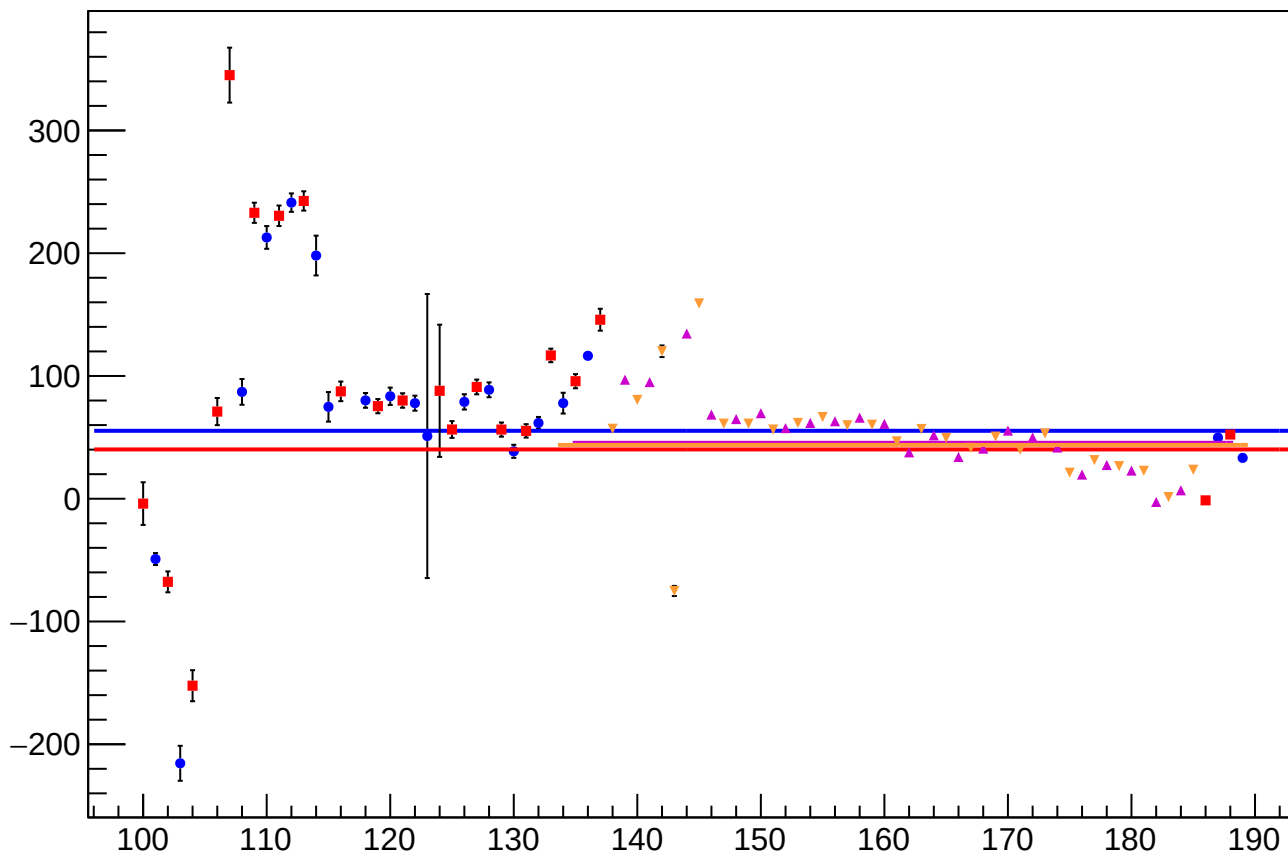
Right: 14.761+/-0.552 χ^2/NDF : 914.1/39

In: 7.594+/-0.359 χ^2/NDF : 992.1/41

Out: 6.586+/-0.350 χ^2/NDF : 868.1/45

All: 7.078+/-0.251 χ^2/NDF : 1864.2/87

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 55.341 ± 1.036 χ^2/NDF : 2278.6/18

Left Out: 43.840 ± 0.499 χ^2/NDF : 3680.9/24

Right Out: 40.147 ± 0.780 χ^2/NDF : 4148.8/20

Left In: 45.559 ± 0.502 χ^2/NDF : 3152.4/22

Left: 44.693 ± 0.354 χ^2/NDF : 6839.2/47

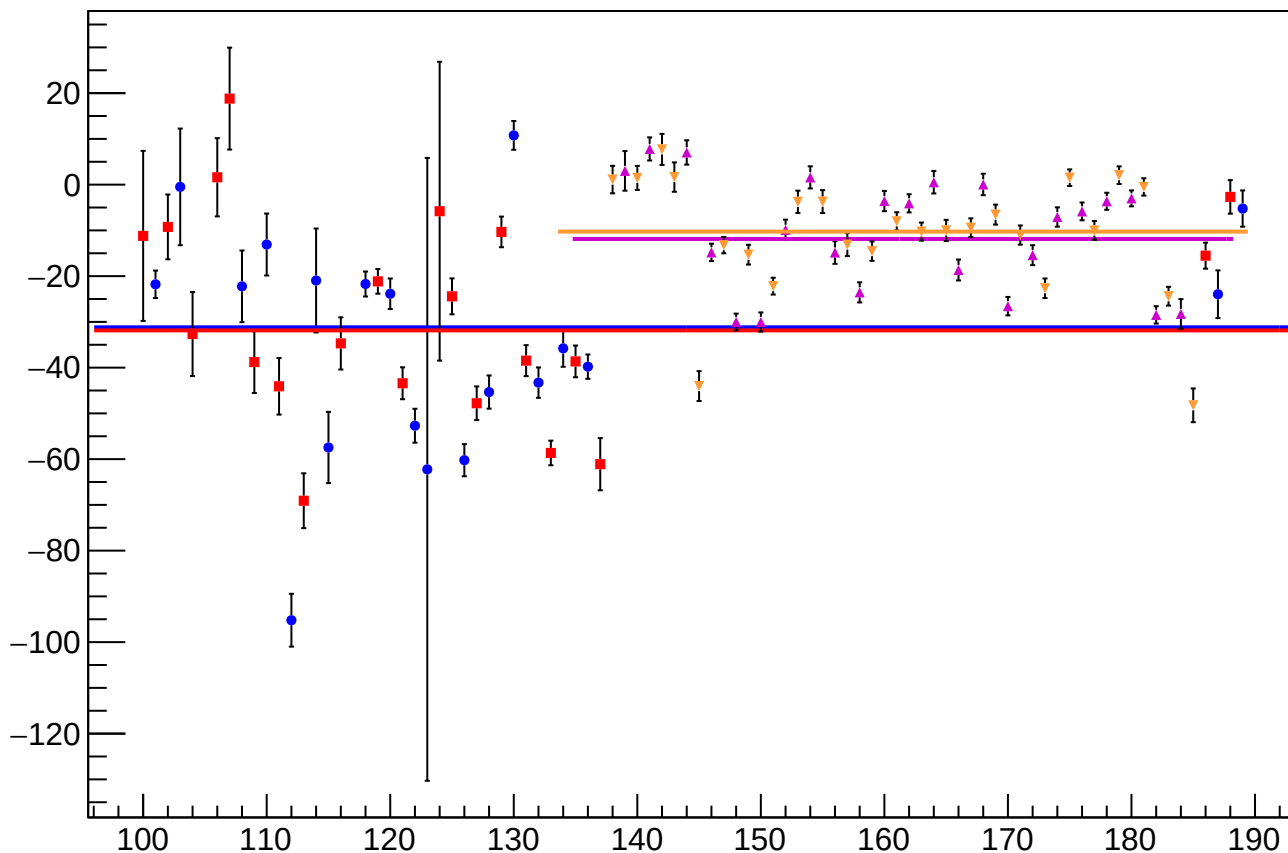
Right: 45.644 ± 0.623 χ^2/NDF : 6564.7/39

In: 47.422 ± 0.452 χ^2/NDF : 5503.2/41

Out: 42.767 ± 0.420 χ^2/NDF : 7845.6/45

All: 44.925 ± 0.308 χ^2/NDF : 13405.7/87

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -31.192 ± 0.929 χ^2/NDF : 541.4/18

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

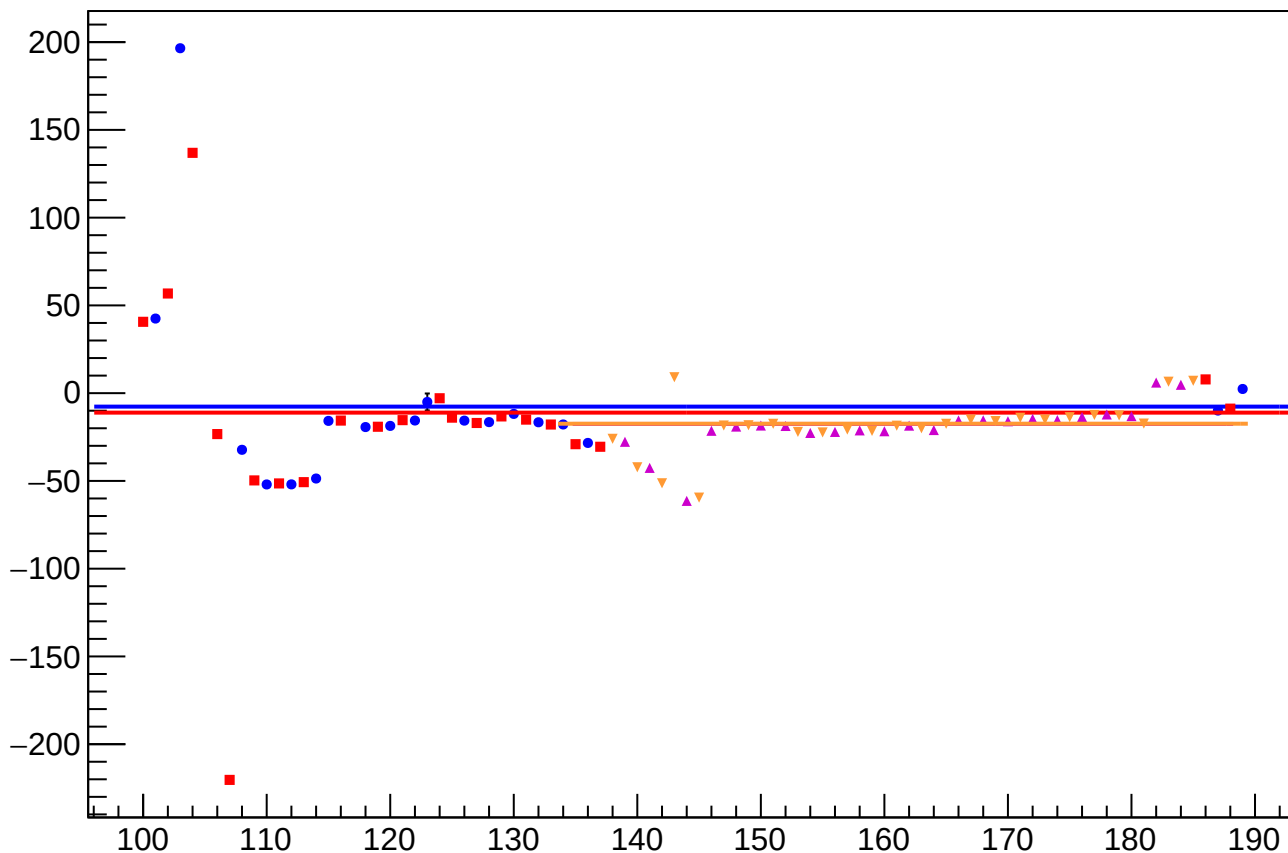
Right: -31.522 ± 0.658 χ^2/NDF : 953.6/39

In: -15.611 ± 0.408 χ^2/NDF : 1558.8/41

Out: -14.268 ± 0.402 χ^2/NDF : 1401.9/45

All: -14.928 ± 0.286 χ^2/NDF : 2966.2/87

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -7.668+/-0.055 χ^2/NDF : 579820.9/18

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

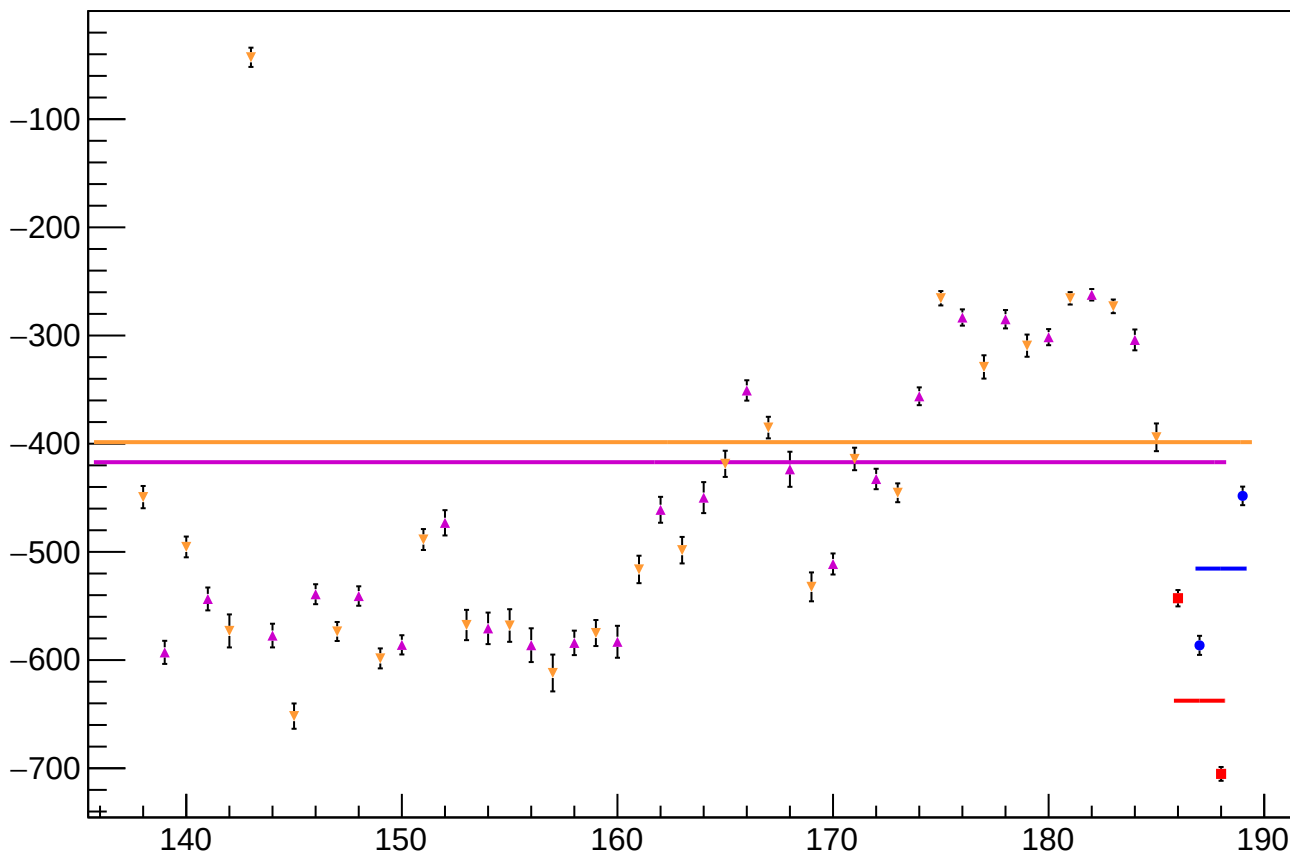
Right: -9.343+/-0.039 χ^2/NDF : 1150398.0/39

In: -16.325+/-0.019 χ^2/NDF : 870338.1/41

Out: -16.667+/-0.019 χ^2/NDF : 900157.5/45

All: -16.496+/-0.014 χ^2/NDF : 1770653.7/87

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -515.432 $\pm$ 6.149 χ^2 /NDF: 126.1/1

Left Out: -398.556 $\pm$ 1.962 χ^2 /NDF:5659.5/24

Right Out: -637.557 $\pm$ 4.876 χ^2 /NDF: 269.6/1

Left In: -417.080 $\pm$ 1.997 χ^2 /NDF:3958.5/22

Left: -407.653 $\pm$ 1.399 χ^2 /NDF: 9661.9/47

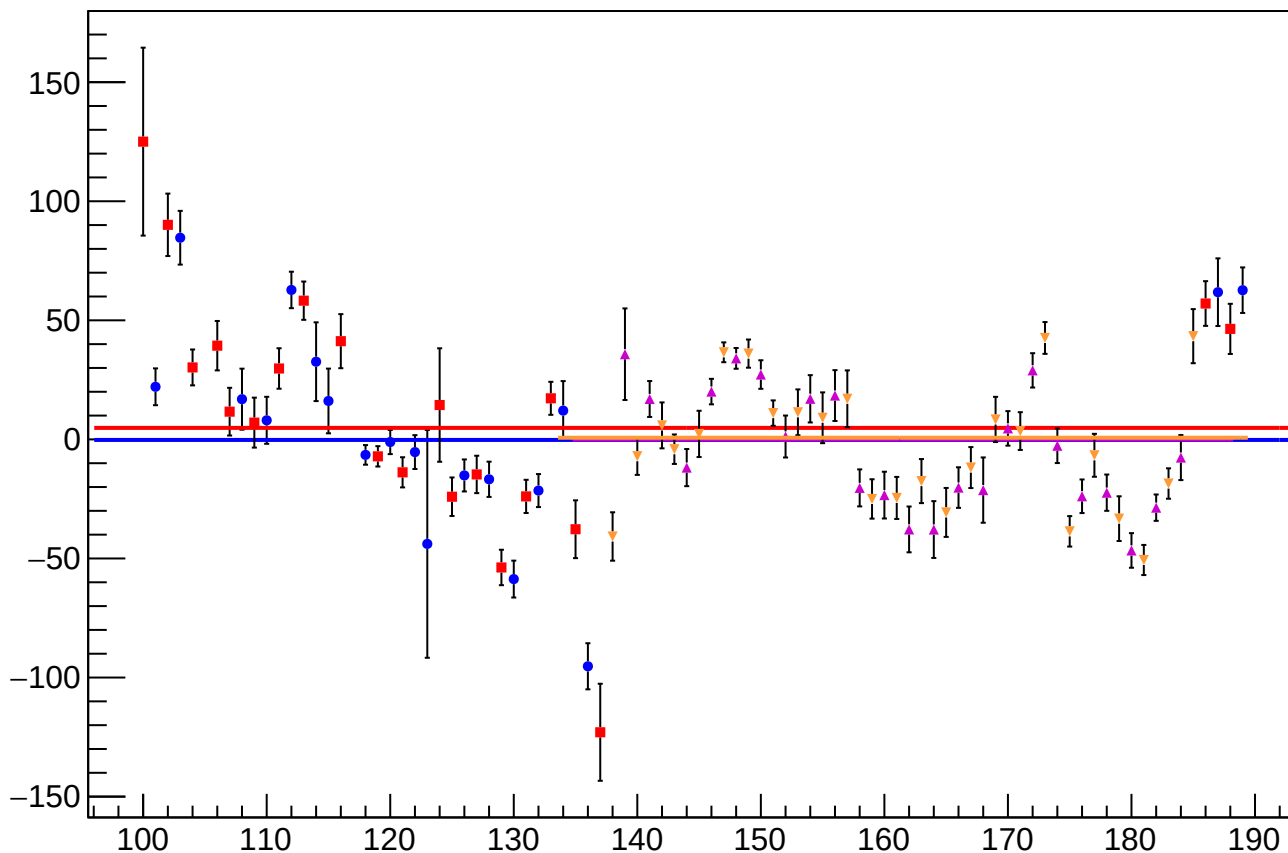
Right: -590.403 $\pm$ 3.821 χ^2 /NDF: 637.9/3

In: -426.463 $\pm$ 1.899 χ^2 /NDF:4316.1/24

Out: -431.844 $\pm$ 1.820 χ^2 /NDF:7996.8/26

All: -429.268 $\pm$ 1.314 χ^2 /NDF: 12317.2/51

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.225 ± 1.837 χ^2/NDF : 380.2/18

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

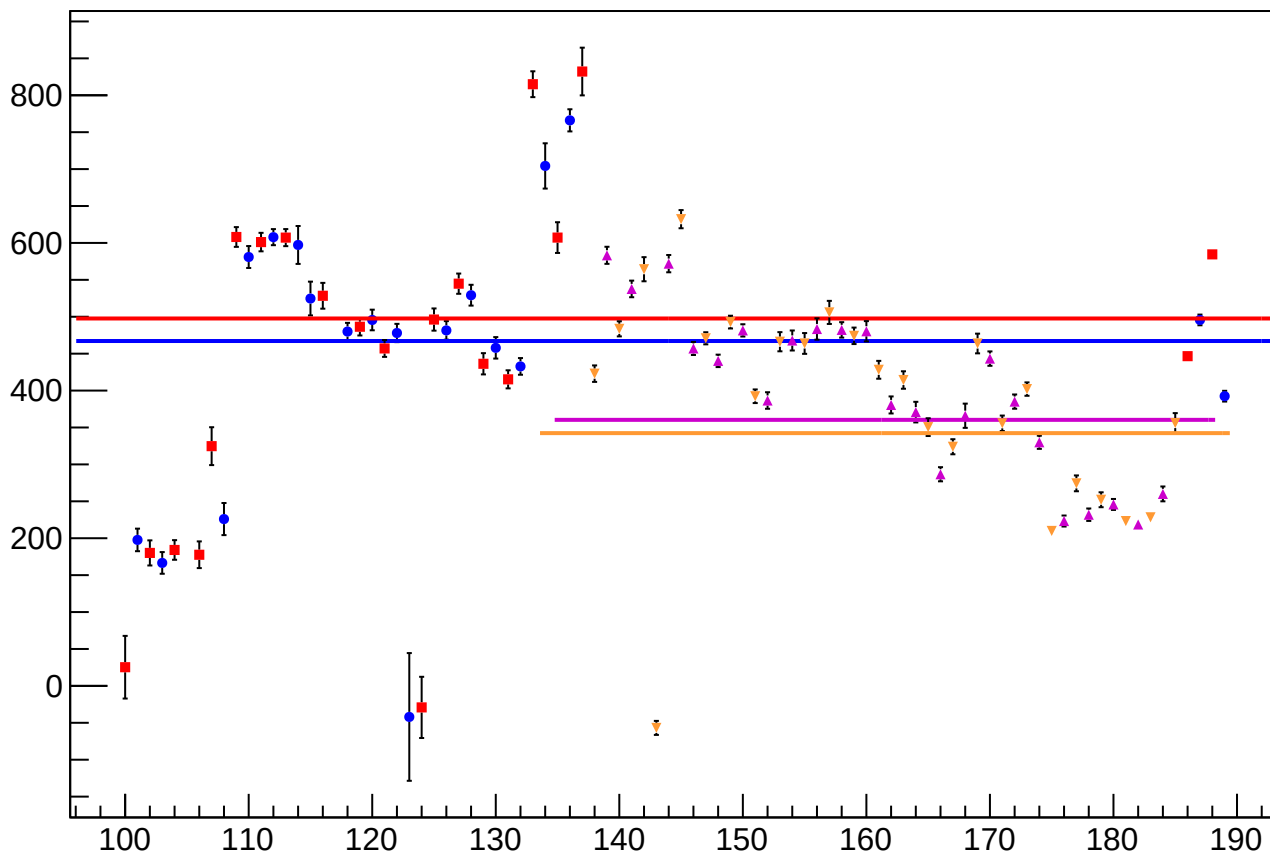
Right: 2.284 ± 1.304 χ^2/NDF : 737.7/39

In: -0.125 ± 1.194 χ^2/NDF : 644.3/41

Out: 2.349 ± 1.170 χ^2/NDF : 706.6/45

All: 1.137 ± 0.836 χ^2/NDF : 1353.1/87

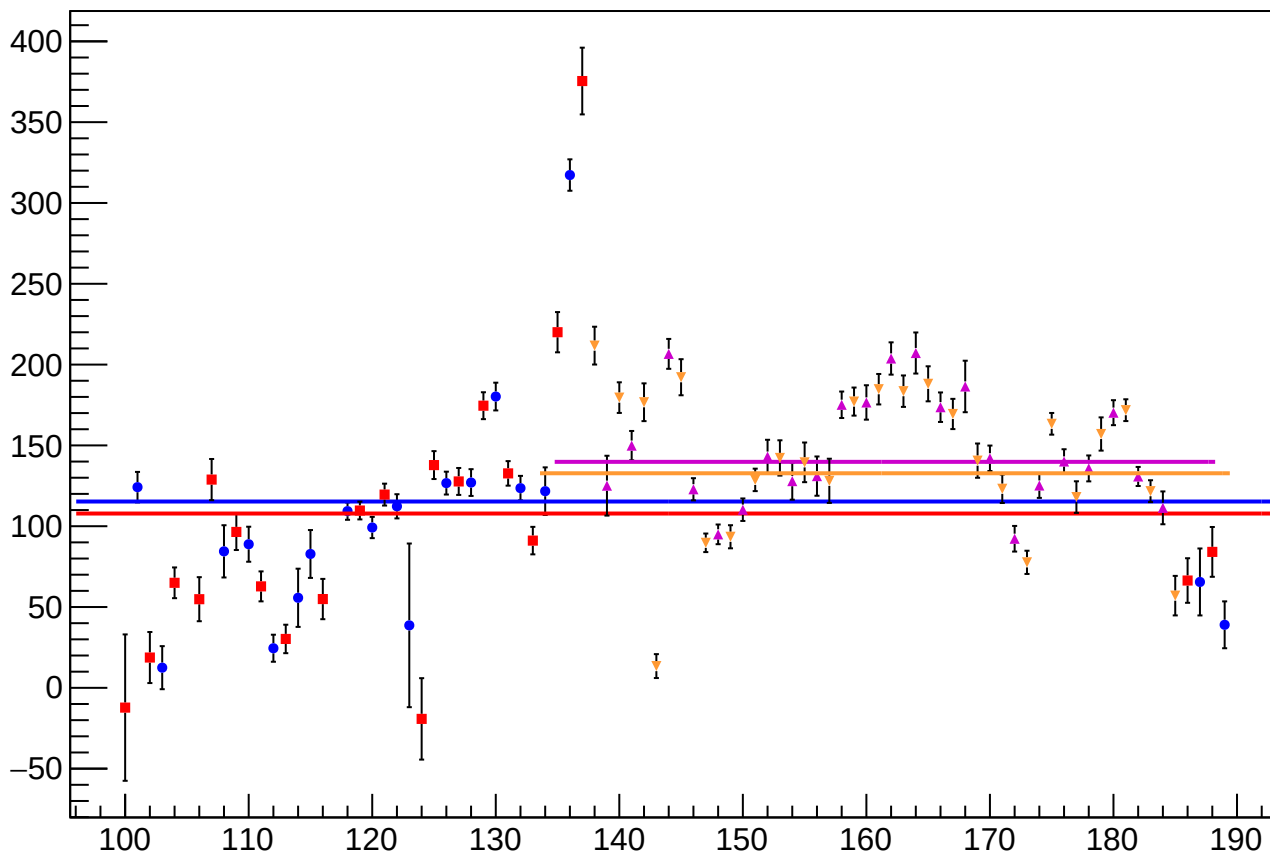
reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 467.136 ± 2.965 $\chi^2/\text{NDF}: 1759.6/18$
 Left Out: 342.368 ± 1.970 $\chi^2/\text{NDF}: 5181.7/24$
 Right Out: 497.646 ± 2.624 $\chi^2/\text{NDF}: 2686.1/20$
 Left In: 360.355 ± 1.996 $\chi^2/\text{NDF}: 3449.9/22$

Left: 351.245 ± 1.402 $\chi^2/\text{NDF}: 8672.8/47$
 Right: 484.242 ± 1.965 $\chi^2/\text{NDF}: 4505.1/39$
 In: 393.652 ± 1.655 $\chi^2/\text{NDF}: 6102.4/41$
 Out: 398.328 ± 1.575 $\chi^2/\text{NDF}: 10107.3/45$
 All: 396.106 ± 1.141 $\chi^2/\text{NDF}: 16213.8/87$

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 115.283 $\pm$ 2.156 χ^2 /NDF: 741.4/18

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

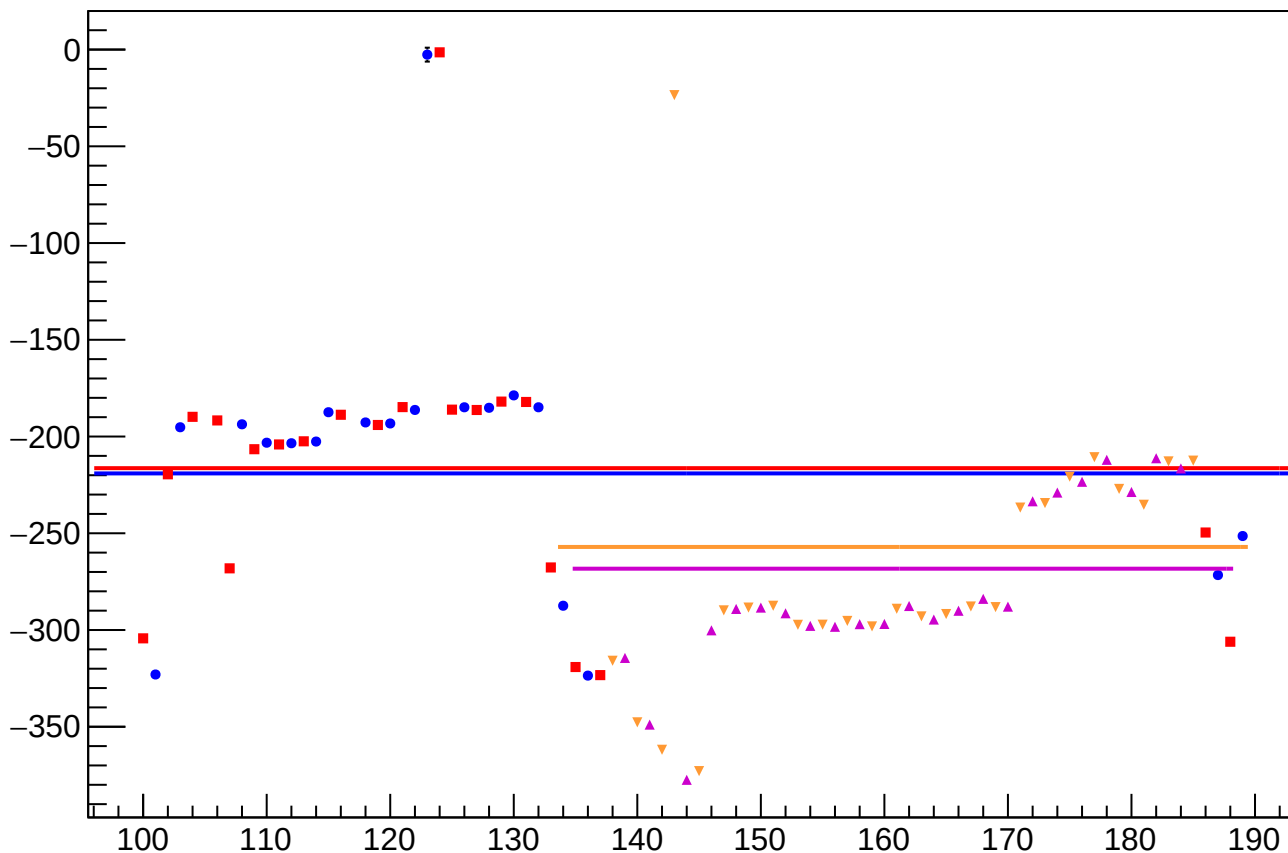
Right: 111.572 $\pm$ 1.526 χ^2 /NDF: 1330.5/39

In: 129.817 $\pm$ 1.377 χ^2 /NDF: 1139.8/41

Out: 122.989 $\pm$ 1.353 χ^2 /NDF: 1413.5/45

All: 126.343 $\pm$ 0.965 χ^2 /NDF: 2565.8/87

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -219.062 ± 0.132 $\chi^2/\text{NDF}: 152018.9/18$

Left Out: -257.067 ± 0.082 $\chi^2/\text{NDF}: 665762.3/24$

Right Out: -216.351 ± 0.127 $\chi^2/\text{NDF}: 133563.1/20$

Left In: -268.305 ± 0.083 $\chi^2/\text{NDF}: 264853.3/22$

Left: -262.619 ± 0.059 $\chi^2/\text{NDF}: 939831.3/47$

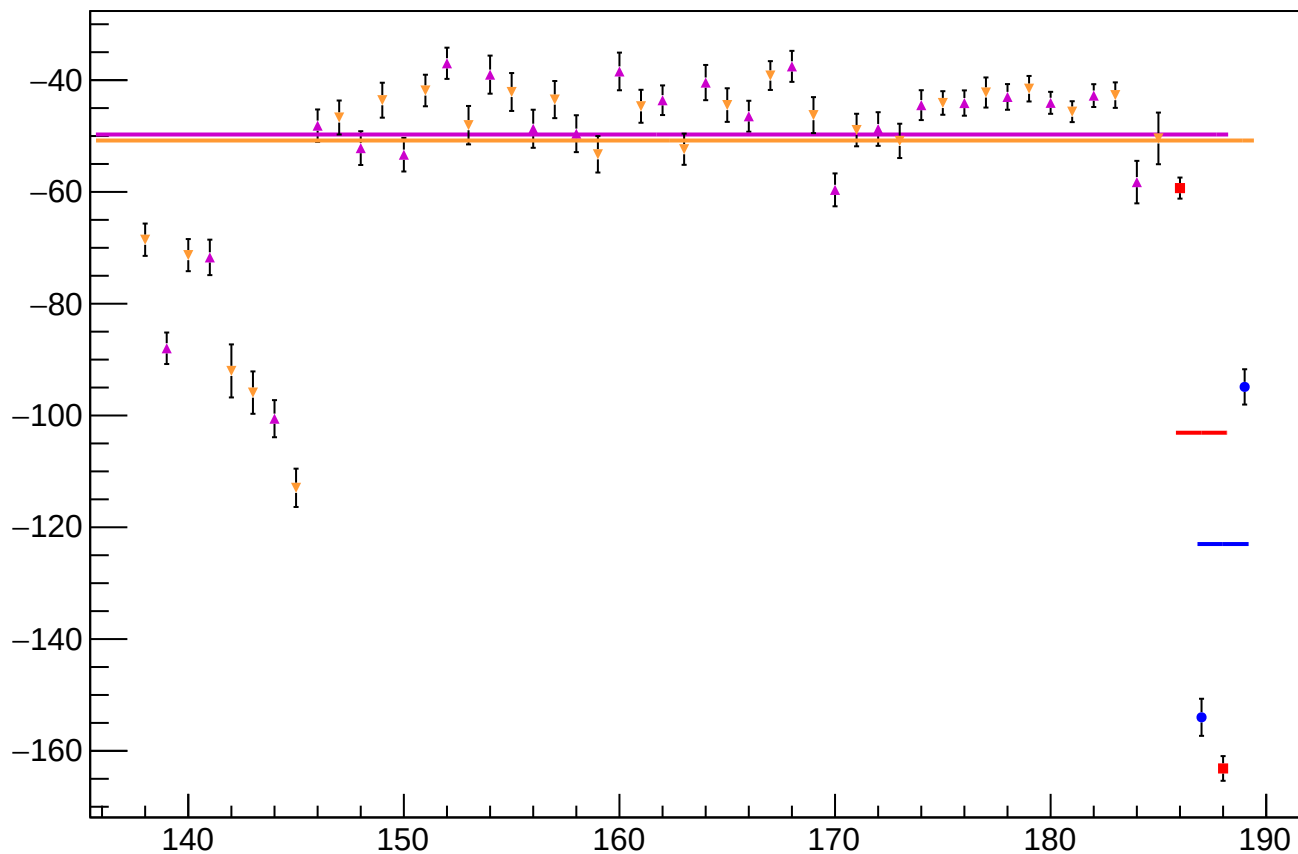
Right: -217.658 ± 0.091 $\chi^2/\text{NDF}: 285801.6/39$

In: -254.236 ± 0.070 $\chi^2/\text{NDF}: 516797.4/41$

Out: -245.031 ± 0.069 $\chi^2/\text{NDF}: 871715.6/45$

All: -249.546 ± 0.049 $\chi^2/\text{NDF}: 1397228.1/87$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -122.997 ± 2.288 χ^2/NDF : 166.5/1

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

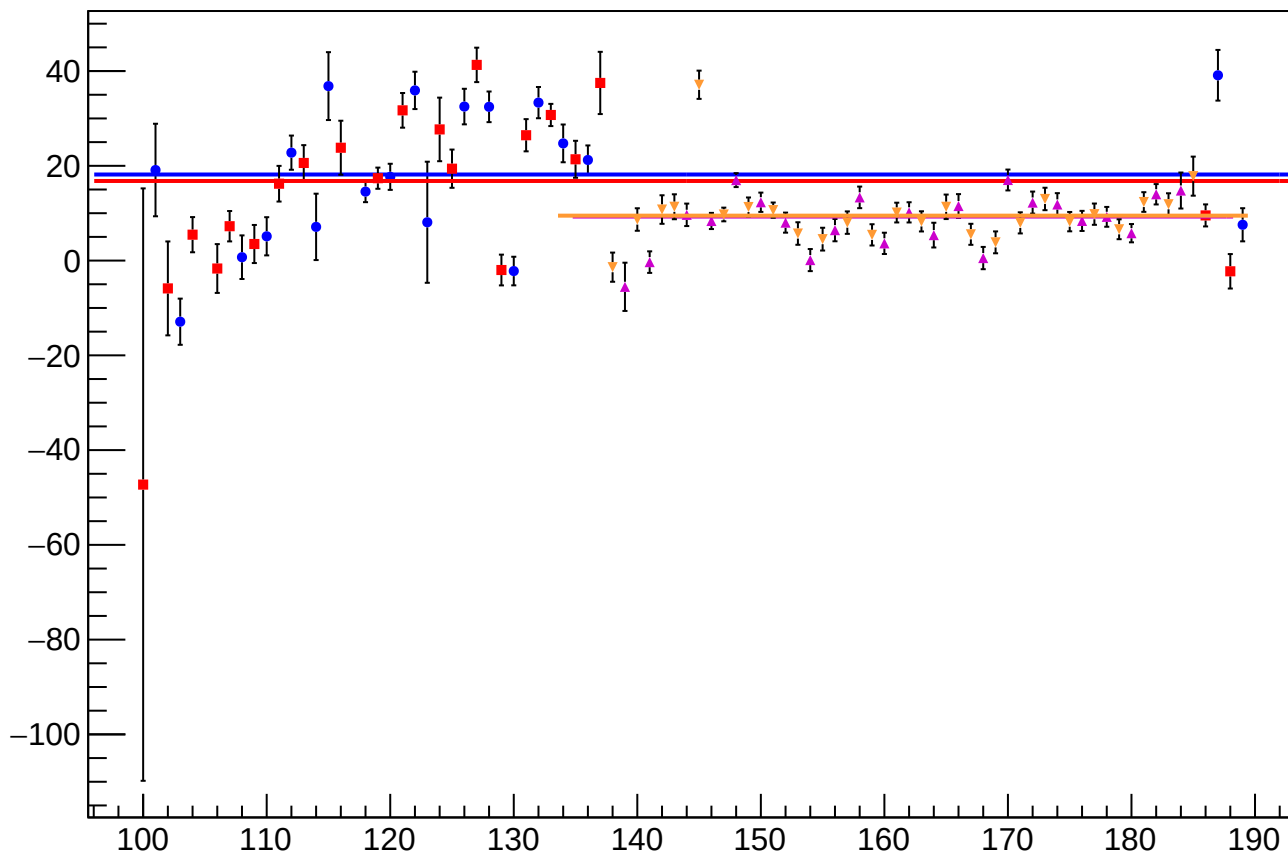
Right: -108.700 ± 1.215 χ^2/NDF : 1498.5/3

In: -54.173 ± 0.564 χ^2/NDF : 1730.5/24

Out: -58.014 ± 0.533 χ^2/NDF : 3175.5/26

All: -56.201 ± 0.387 χ^2/NDF : 4930.6/51

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.168 $\pm$ 0.865 χ^2 /NDF: 229.1/18

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

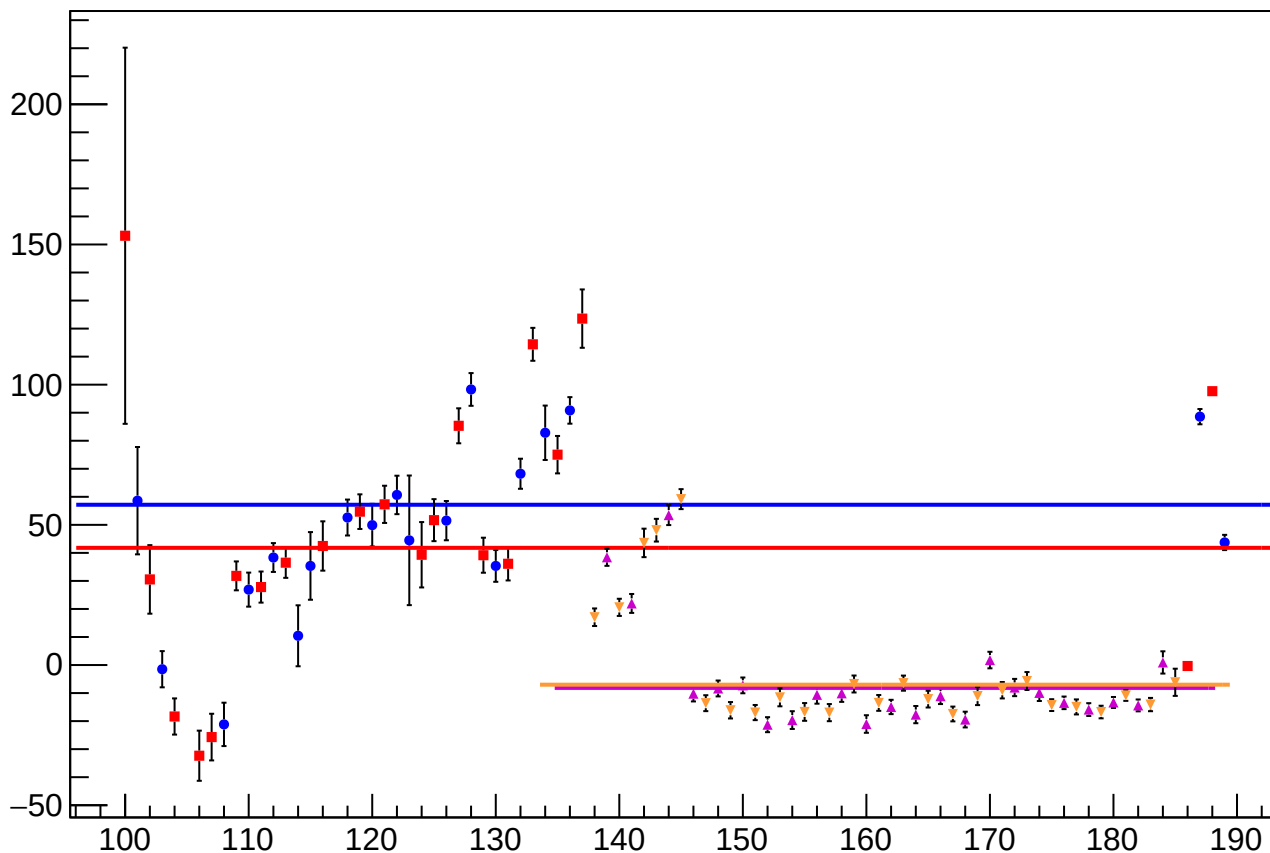
Right: 17.424 $\pm$ 0.584 χ^2 /NDF: 471.9/39

In: 11.250 $\pm$ 0.407 χ^2 /NDF:436.8/41

Out: 11.254 $\pm$ 0.389 χ^2 /NDF:439.4/45

All: 11.252 $\pm$ 0.281 χ^2 /NDF: 876.3/87

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 57.168 ± 1.260 $\chi^2/\text{NDF}: 531.3/18$

Left Out: -7.007 ± 0.572 $\chi^2/\text{NDF}: 899.2/24$

Right Out: 41.803 ± 0.936 $\chi^2/\text{NDF}: 2295.9/20$

Left In: -8.158 ± 0.578 $\chi^2/\text{NDF}: 753.9/22$

Left: -7.577 ± 0.406 $\chi^2/\text{NDF}: 1655.2/47$

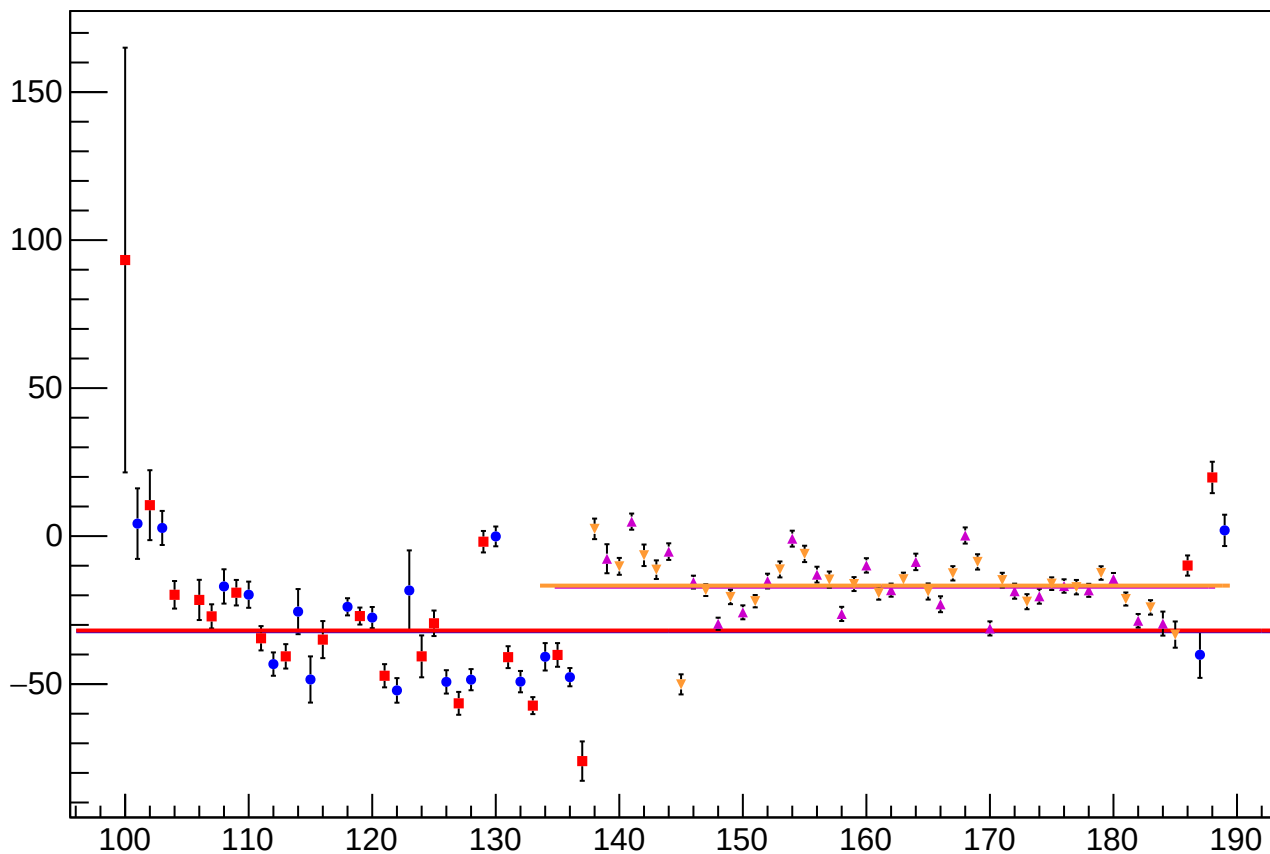
Right: 47.263 ± 0.751 $\chi^2/\text{NDF}: 2923.0/39$

In: 3.183 ± 0.525 $\chi^2/\text{NDF}: 3505.4/41$

Out: 6.267 ± 0.488 $\chi^2/\text{NDF}: 5175.9/45$

All: 4.838 ± 0.357 $\chi^2/\text{NDF}: 8699.8/87$

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.134 ± 1.005 χ^2/NDF : 332.8/18

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

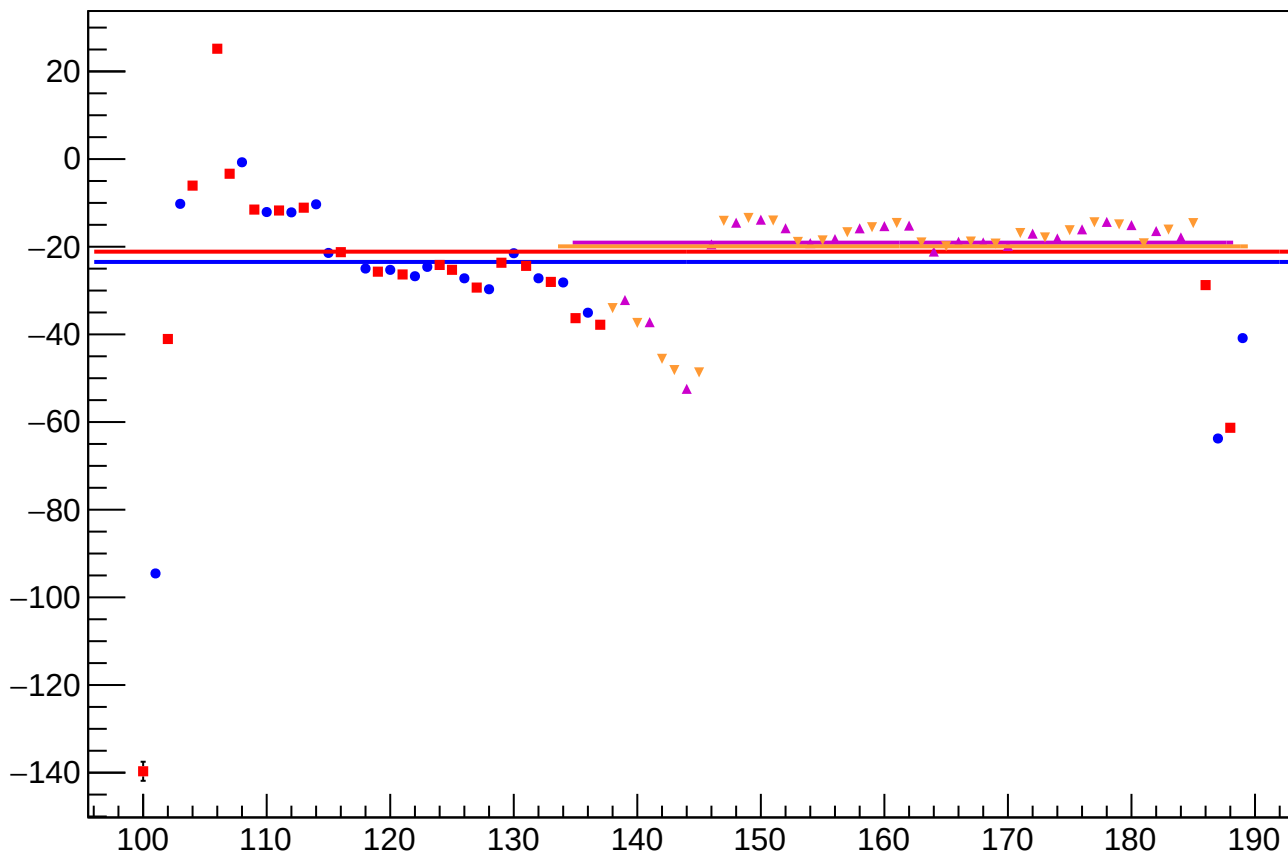
Right: -32.007 ± 0.686 χ^2/NDF : 770.7/39

In: -20.277 ± 0.462 χ^2/NDF : 837.2/41

Out: -20.165 ± 0.446 χ^2/NDF : 863.4/45

All: -20.219 ± 0.321 χ^2/NDF : 1700.7/87

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -23.471+/-0.056 χ^2/NDF : 65016.6/18

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

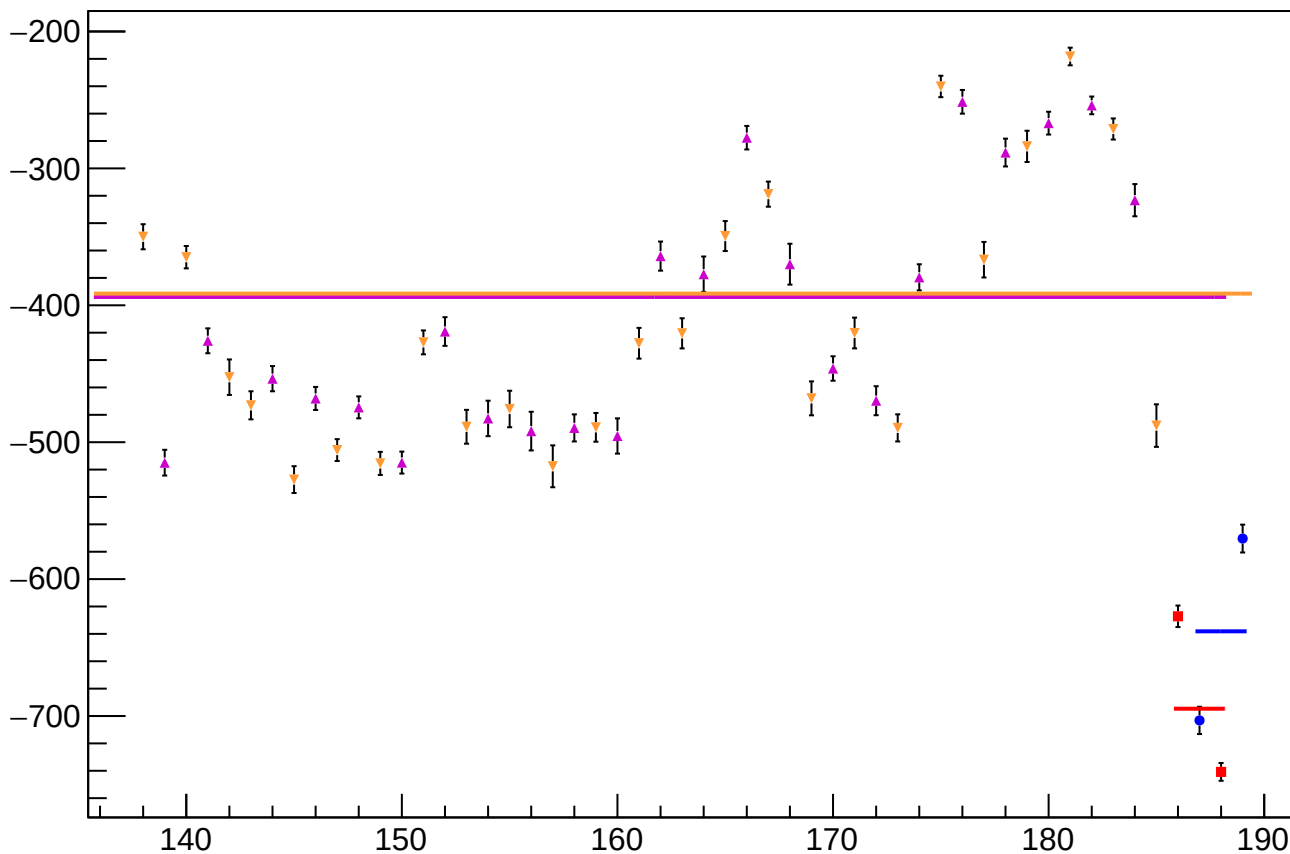
Right: -22.260+/-0.039 χ^2/NDF : 176507.6/39

In: -19.727+/-0.022 χ^2/NDF :162941.1/41

Out: -20.103+/-0.021 χ^2/NDF :252099.6/45

All: -19.918+/-0.015 χ^2/NDF : 415191.9/87

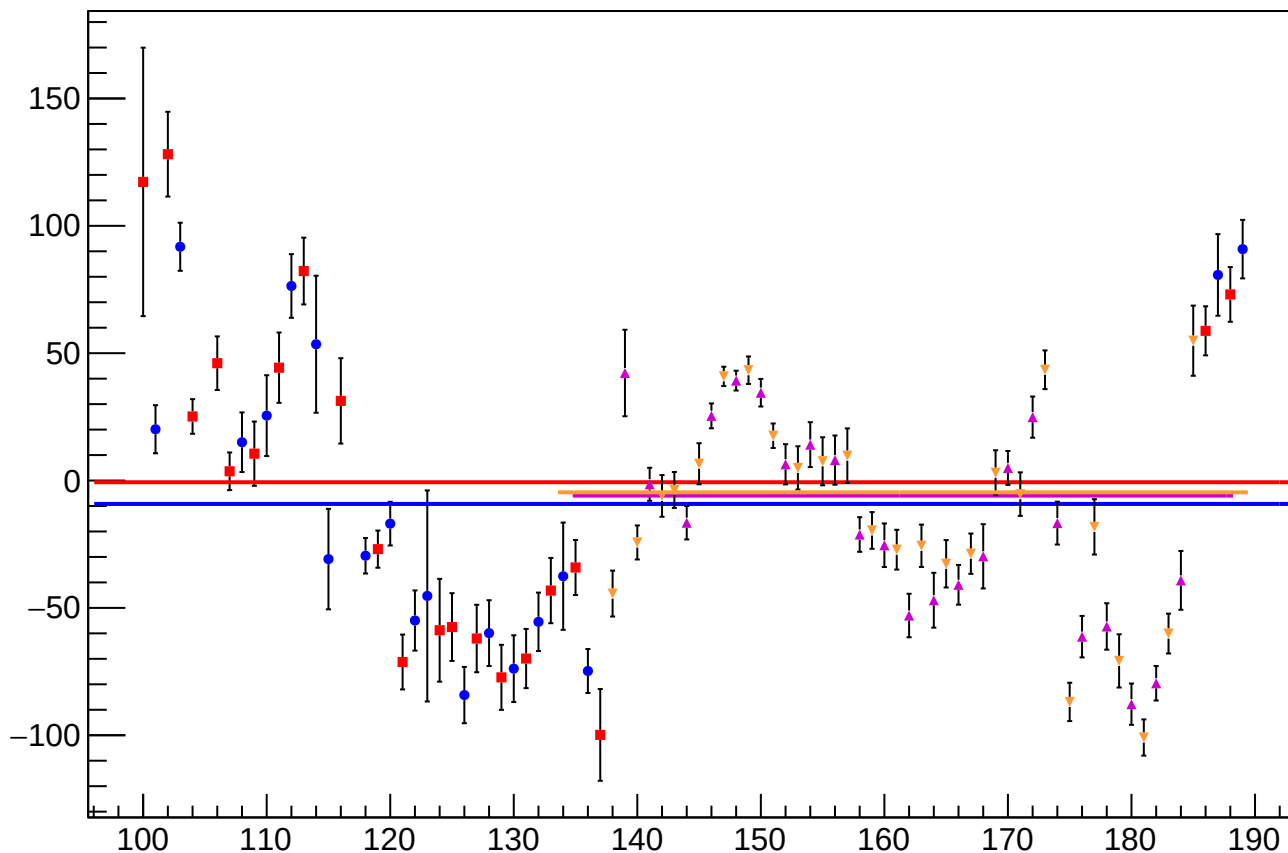
reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -638.143+/-7.117 χ^2/NDF : 87.0/1
 Left Out: -391.476+/-1.973 χ^2/NDF : 2708.6/24
 Right Out: -694.661+/-5.010 χ^2/NDF : 124.1/1
 Left In: -393.904+/-1.998 χ^2/NDF : 2280.8/22

Left: -392.674+/-1.404 χ^2/NDF : 4990.1/47
 Right: -675.932+/-4.097 χ^2/NDF : 253.3/3
 In: -411.744+/-1.923 χ^2/NDF : 3459.5/24
 Out: -432.159+/-1.835 χ^2/NDF : 6002.9/26
 All: -422.430+/-1.328 χ^2/NDF : 9521.4/51

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -9.186 ± 2.666 $\chi^2/\text{NDF}: 480.8/18$

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 $\chi^2/\text{NDF}: 1429.3/47$

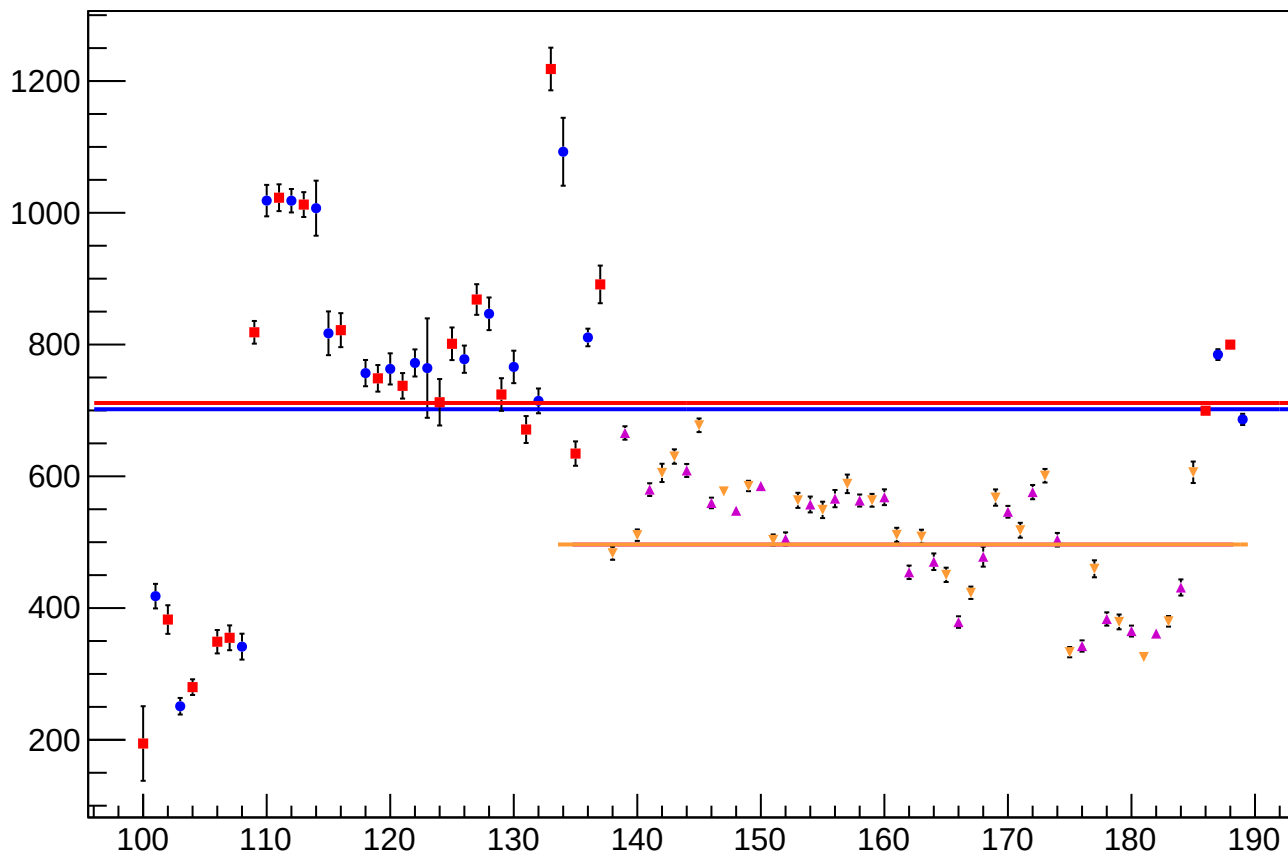
Right: -4.579 ± 1.806 $\chi^2/\text{NDF}: 952.3/39$

In: -6.705 ± 1.316 $\chi^2/\text{NDF}: 1139.4/41$

Out: -3.592 ± 1.260 $\chi^2/\text{NDF}: 1239.4/45$

All: -5.080 ± 0.910 $\chi^2/\text{NDF}: 2381.8/87$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 701.824 $\pm$ 3.827 χ^2 /NDF: 2718.9/18

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

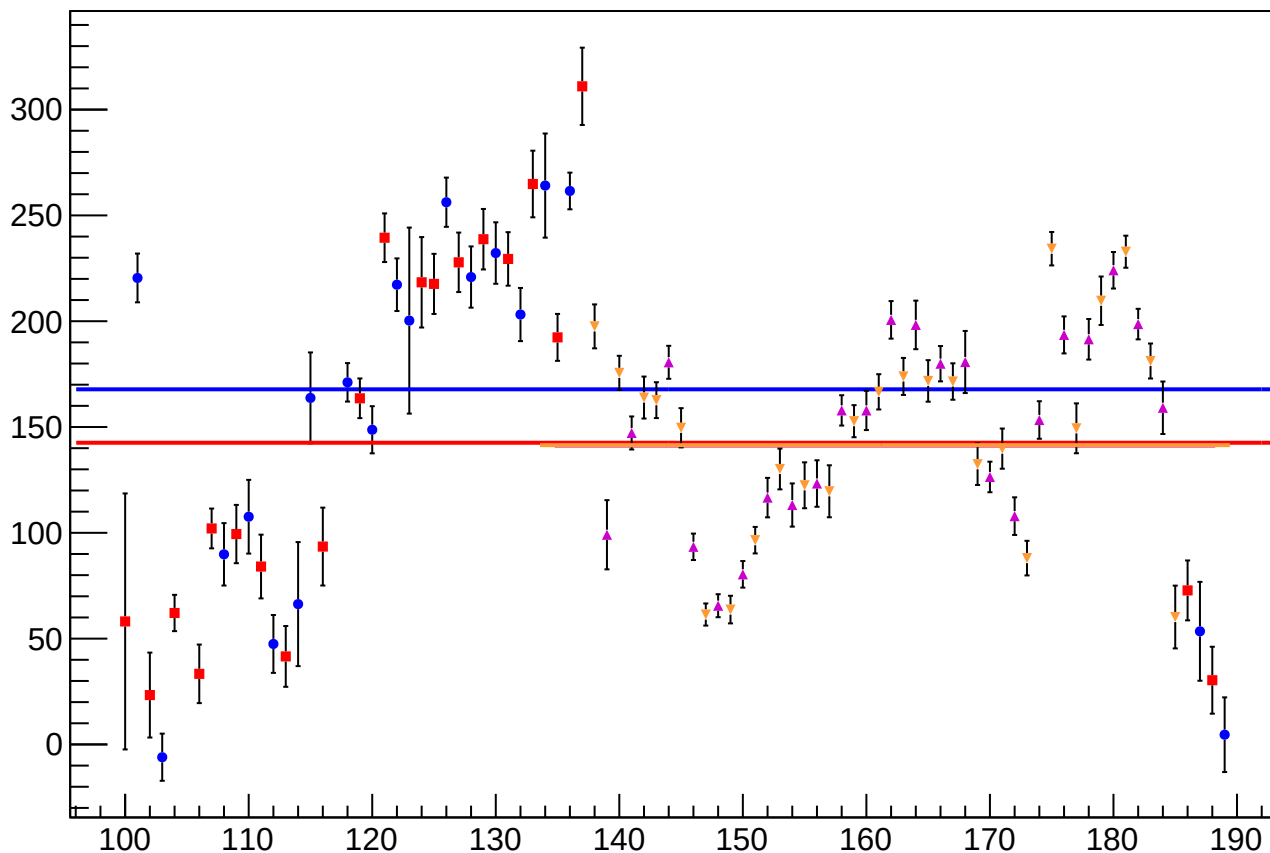
Right: 707.585 $\pm$ 2.396 χ^2 /NDF: 6328.7/39

In: 539.956 $\pm$ 1.762 χ^2 /NDF:7284.9/41

Out: 559.159 $\pm$ 1.659 χ^2 /NDF:9656.8/45

All: 550.138 $\pm$ 1.208 χ^2 /NDF: 17004.6/87

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 167.817 $\pm$ 3.123 χ^2 /NDF: 753.5/18

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

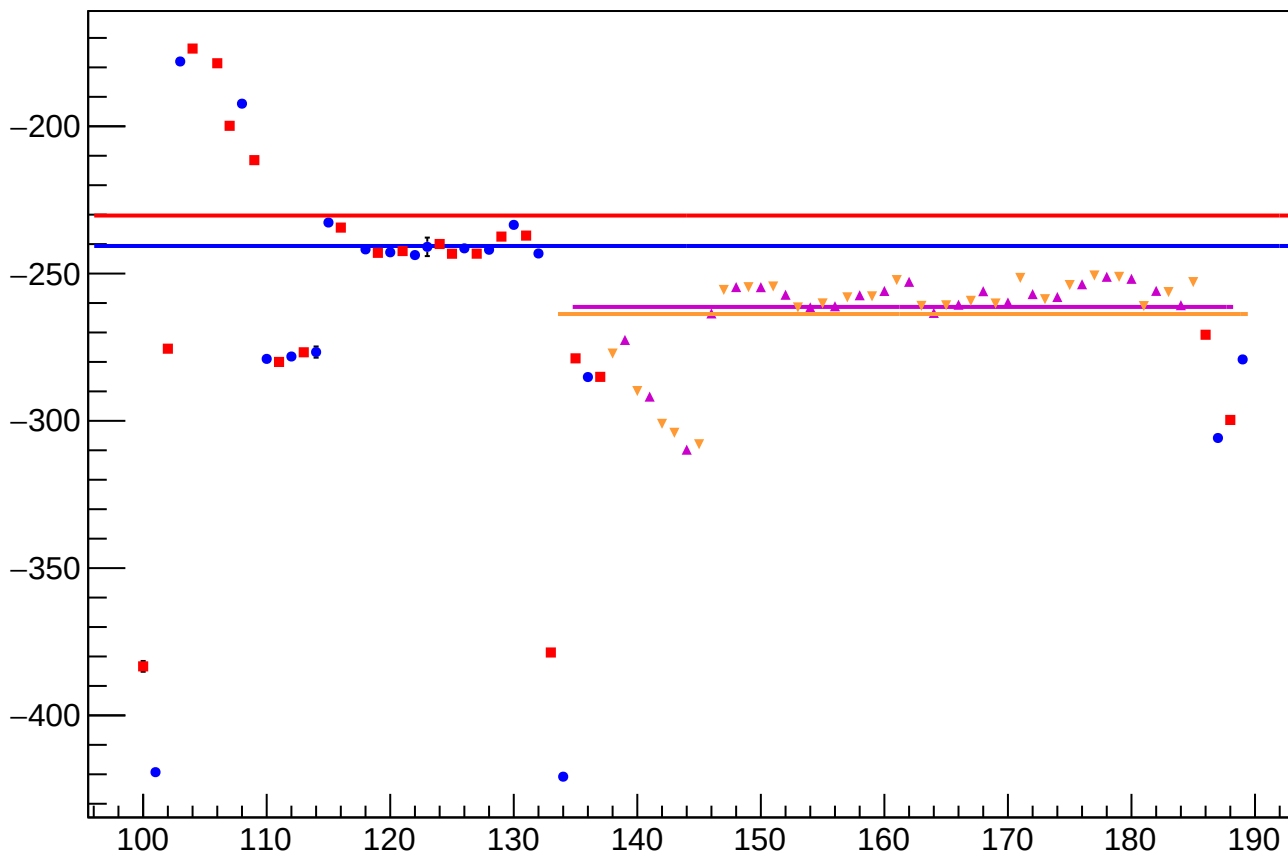
Right: 154.372 $\pm$ 2.135 χ^2 /NDF: 1562.0/39

In: 147.563 $\pm$ 1.523 χ^2 /NDF:1552.8/41

Out: 141.720 $\pm$ 1.473 χ^2 /NDF:1731.6/45

All: 144.544 $\pm$ 1.058 χ^2 /NDF: 3292.0/87

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -240.635+/-0.156 χ^2 /NDF: 171932.6/18

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

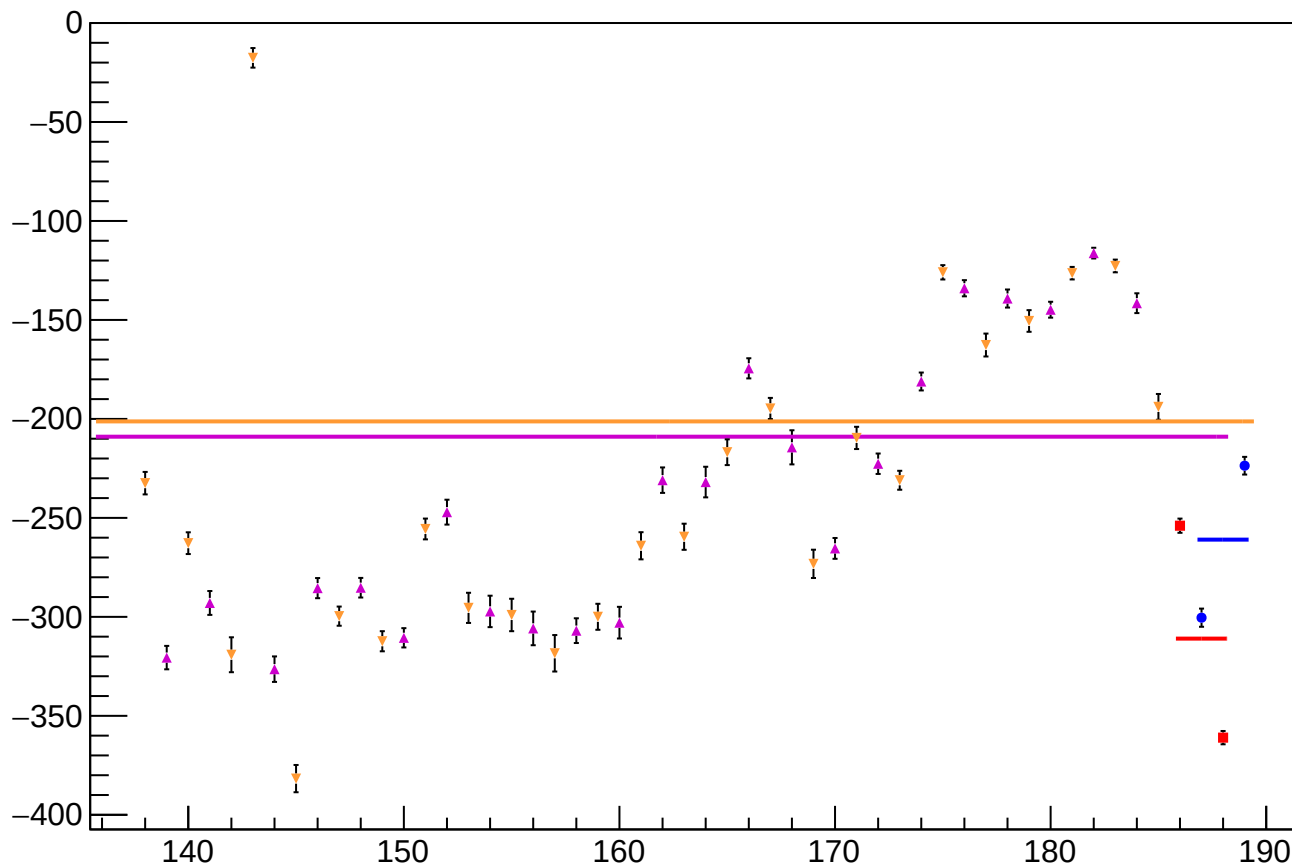
Right: -235.152+/-0.107 χ^2 /NDF: 287458.5/39

In: -256.873+/-0.072 χ^2 /NDF: 209200.7/41

Out: -255.853+/-0.071 χ^2 /NDF: 190819.4/45

All: -256.355+/-0.051 χ^2 /NDF: 400121.0/87

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -260.983+/-3.202 χ^2/NDF : 143.6/1

Left Out: -201.261+/-1.065 χ^2/NDF : 6110.1/24

Right Out: -310.987+/-2.453 χ^2/NDF : 474.1/1

Left In: -208.981+/-1.078 χ^2/NDF : 4865.2/22

Left: -205.075+/-0.758 χ^2/NDF : 11001.2/47

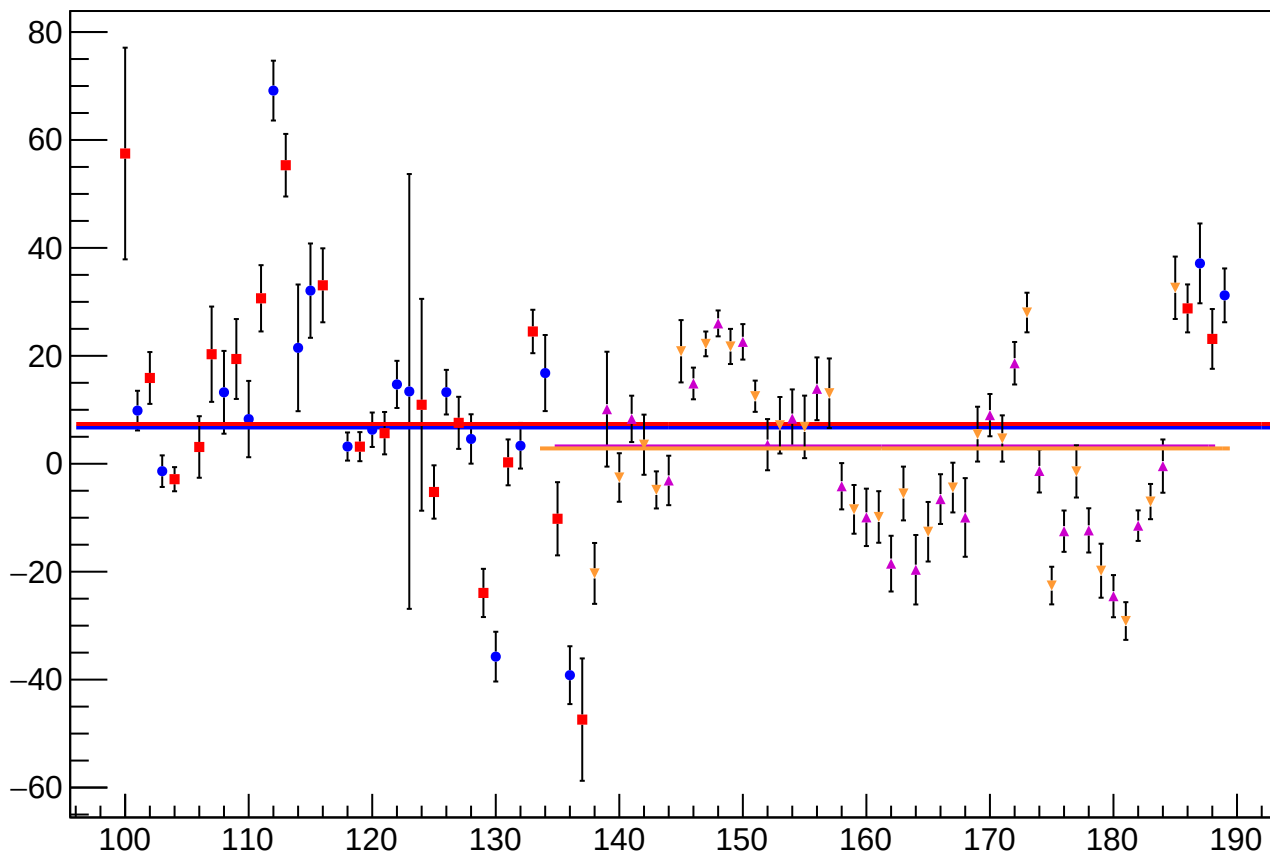
Right: -292.491+/-1.948 χ^2/NDF : 771.4/3

In: -214.276+/-1.022 χ^2/NDF : 5245.7/24

Out: -218.671+/-0.977 χ^2/NDF : 8267.0/26

All: -216.571+/-0.706 χ^2/NDF : 13522.4/51

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.724 ± 1.053 $\chi^2/\text{NDF}: 355.8/18$

Left Out: 2.841 ± 0.824 $\chi^2/\text{NDF}: 420.6/24$

Right Out: 7.369 ± 1.024 $\chi^2/\text{NDF}: 273.4/20$

Left In: 3.208 ± 0.854 $\chi^2/\text{NDF}: 323.8/22$

Left: 3.018 ± 0.593 $\chi^2/\text{NDF}: 744.6/47$

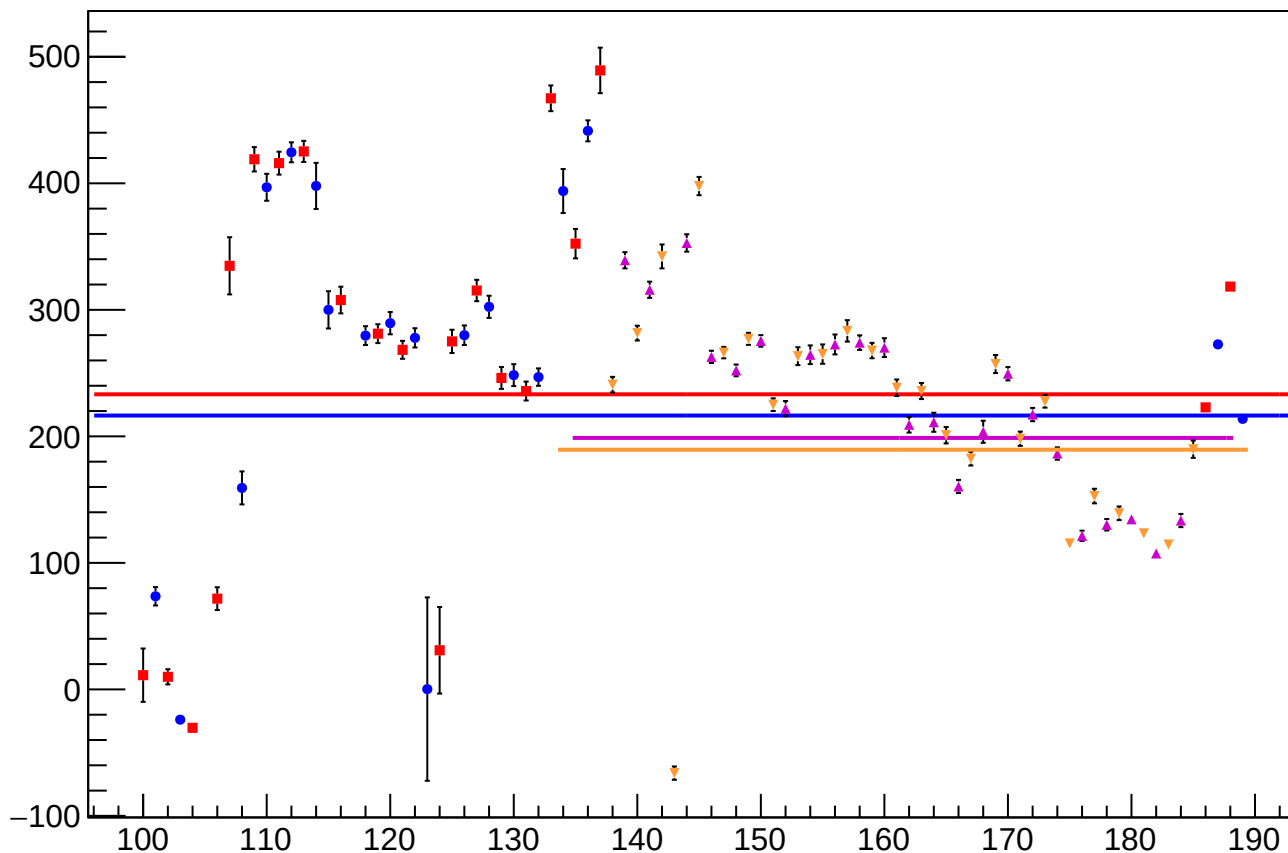
Right: 7.055 ± 0.734 $\chi^2/\text{NDF}: 629.4/39$

In: 4.604 ± 0.663 $\chi^2/\text{NDF}: 686.3/41$

Out: 4.621 ± 0.642 $\chi^2/\text{NDF}: 705.9/45$

All: 4.613 ± 0.461 $\chi^2/\text{NDF}: 1392.2/87$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 216.454 $\pm$ 1.586 χ^2 /NDF: 7032.5/18

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

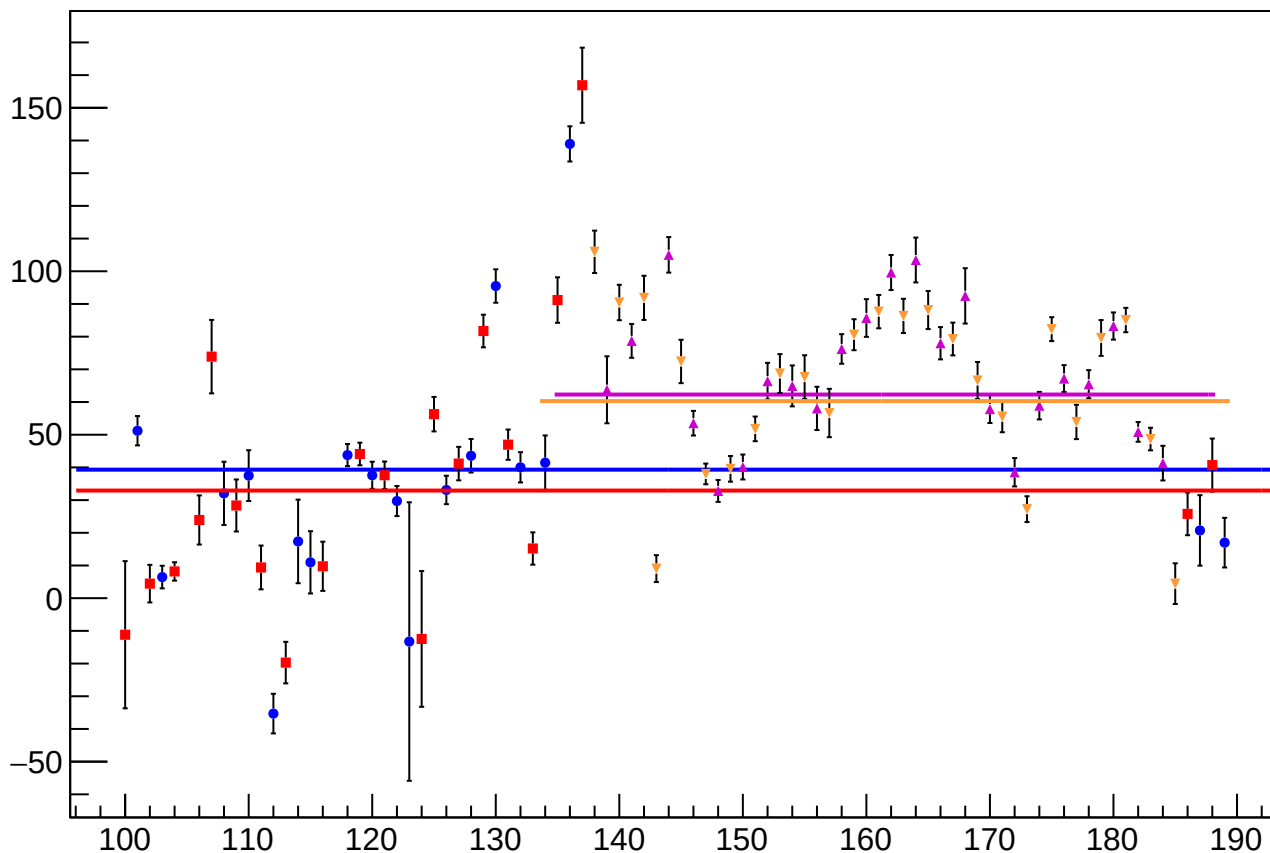
Right: 226.023 $\pm$ 1.040 χ^2 /NDF: 16744.7/39

In: 204.351 $\pm$ 0.892 χ^2 /NDF:11707.6/41

Out: 205.932 $\pm$ 0.845 χ^2 /NDF:16928.5/45

All: 205.184 $\pm$ 0.613 χ^2 /NDF: 28637.8/87

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 39.317 ± 1.242 $\chi^2/\text{NDF}: 747.1/18$

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 $\chi^2/\text{NDF}: 1128.6/47$

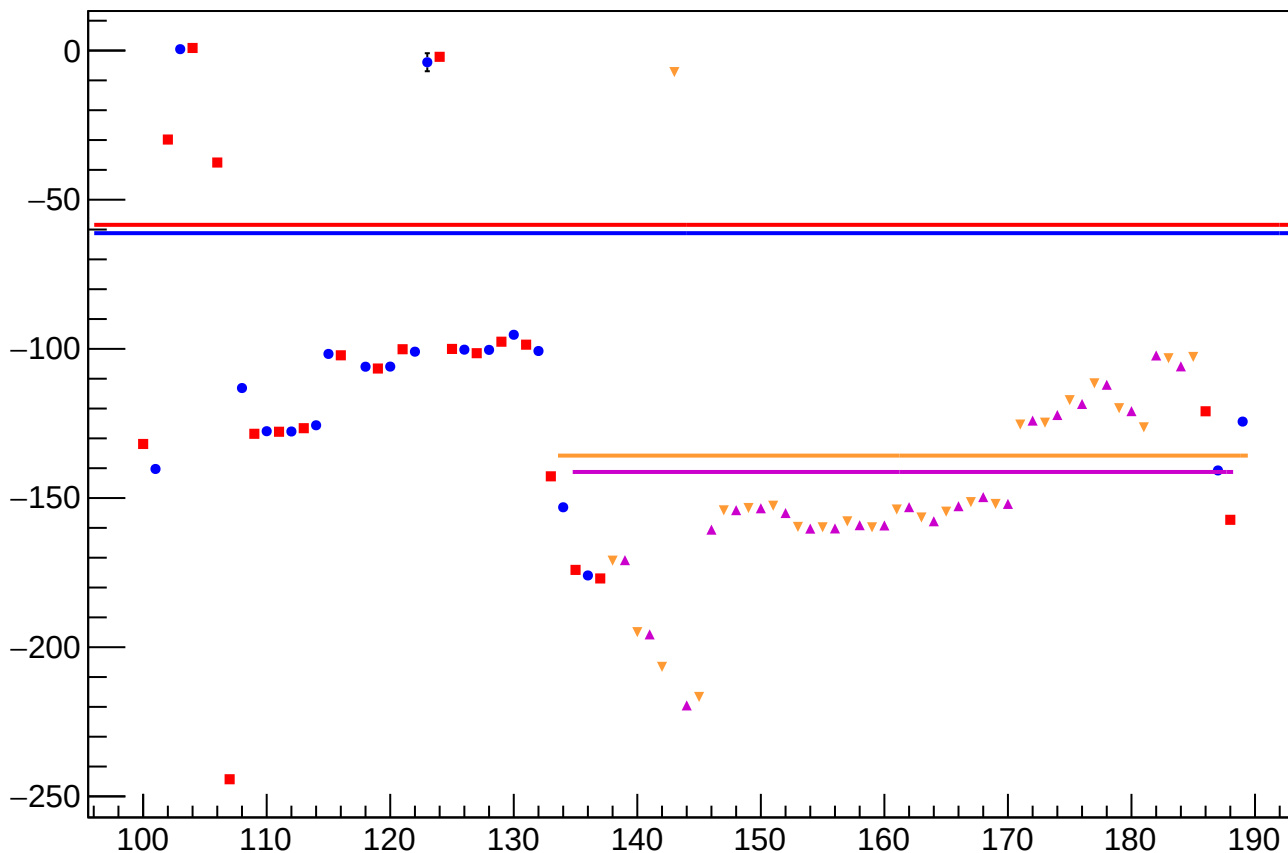
Right: 36.053 ± 0.869 $\chi^2/\text{NDF}: 1316.8/39$

In: 53.571 ± 0.765 $\chi^2/\text{NDF}: 1371.0/41$

Out: 49.985 ± 0.746 $\chi^2/\text{NDF}: 1586.7/45$

All: 51.733 ± 0.534 $\chi^2/\text{NDF}: 2969.0/87$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -61.216 $\pm$ 0.060 χ^2 /NDF: 1162482.8/18

Left Out: -135.775 $\pm$ 0.045 χ^2 /NDF: 742021.1/24

Right Out: -58.425 $\pm$ 0.059 χ^2 /NDF: 1092373.8/20

Left In: -141.259 $\pm$ 0.045 χ^2 /NDF: 350045.9/22

Left: -138.491 $\pm$ 0.032 χ^2 /NDF: 1099530.1/47

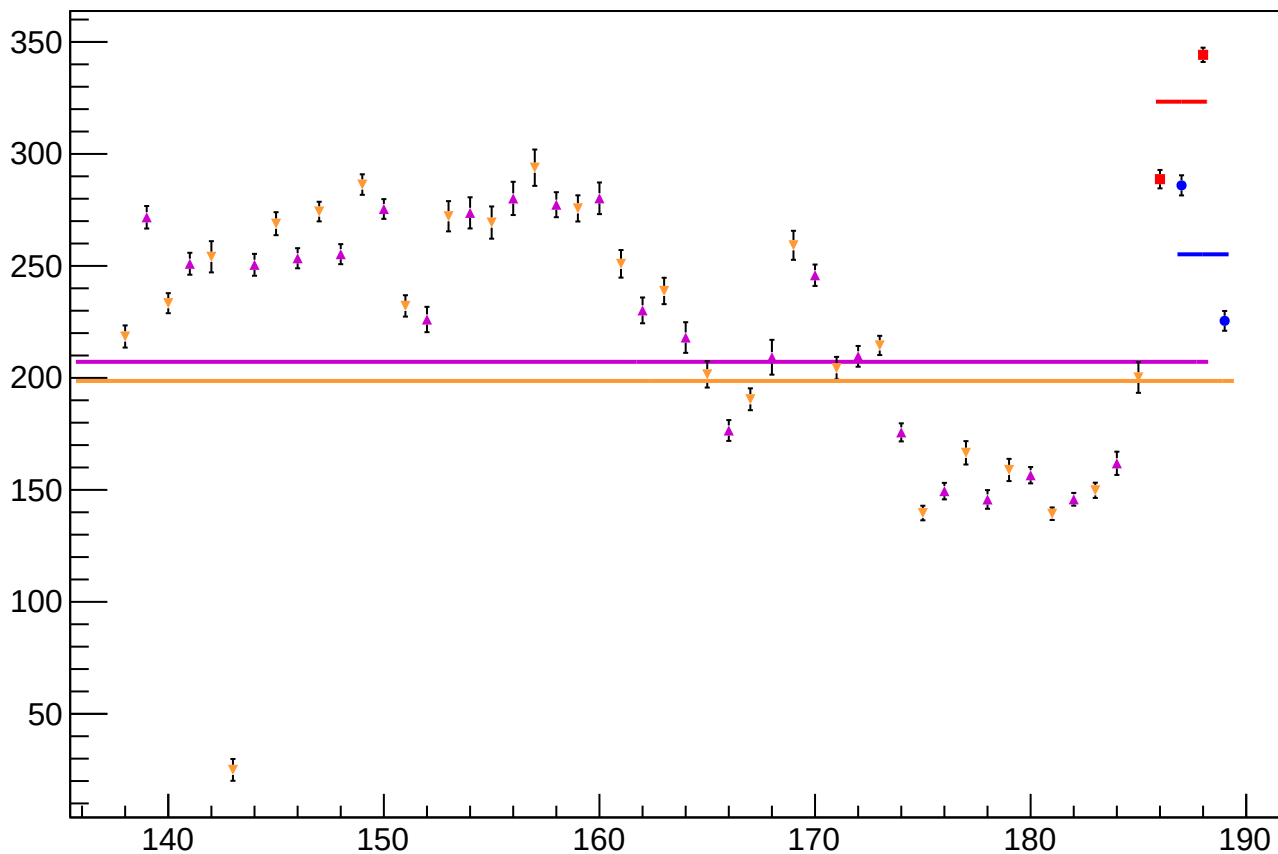
Right: -59.792 $\pm$ 0.042 χ^2 /NDF: 2255952.8/39

In: -112.485 $\pm$ 0.036 χ^2 /NDF: 2644530.0/41

Out: -107.591 $\pm$ 0.036 χ^2 /NDF: 2926832.6/45

All: -110.005 $\pm$ 0.025 χ^2 /NDF: 5580677.1/87

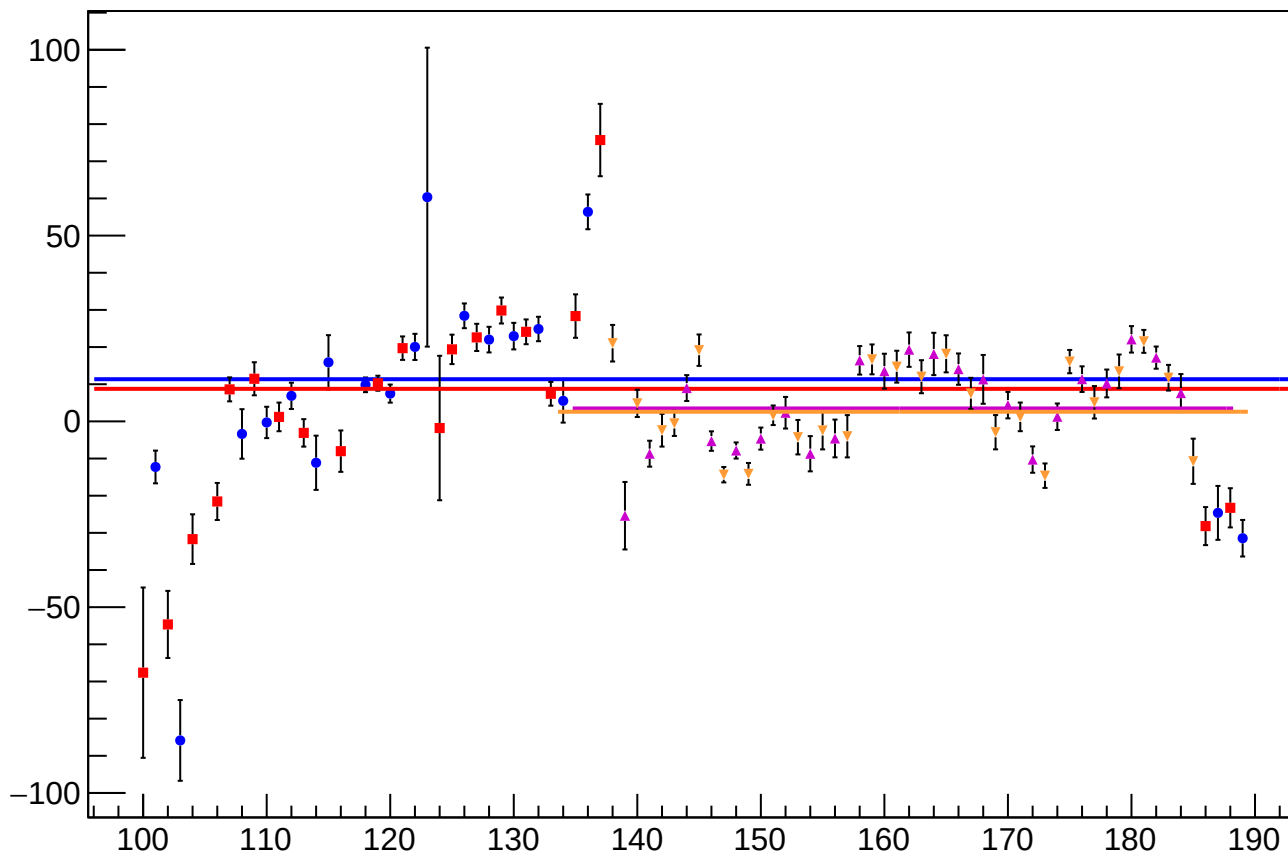
reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 255.175 ± 3.152 $\chi^2/\text{NDF}: 92.1/1$
 Left Out: 198.637 ± 0.966 $\chi^2/\text{NDF}: 4146.6/24$
 Right Out: 323.332 ± 2.524 $\chi^2/\text{NDF}: 113.6/1$
 Left In: 207.171 ± 0.986 $\chi^2/\text{NDF}: 2631.6/22$

Left: 202.817 ± 0.690 $\chi^2/\text{NDF}: 6816.4/47$
 Right: 296.710 ± 1.970 $\chi^2/\text{NDF}: 490.6/3$
 In: 211.450 ± 0.941 $\chi^2/\text{NDF}: 2934.9/24$
 Out: 214.578 ± 0.902 $\chi^2/\text{NDF}: 6389.7/26$
 All: 213.080 ± 0.651 $\chi^2/\text{NDF}: 9330.4/51$

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 11.350 ± 0.897 $\chi^2/\text{NDF}: 400.6/18$

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 $\chi^2/\text{NDF}: 469.7/47$

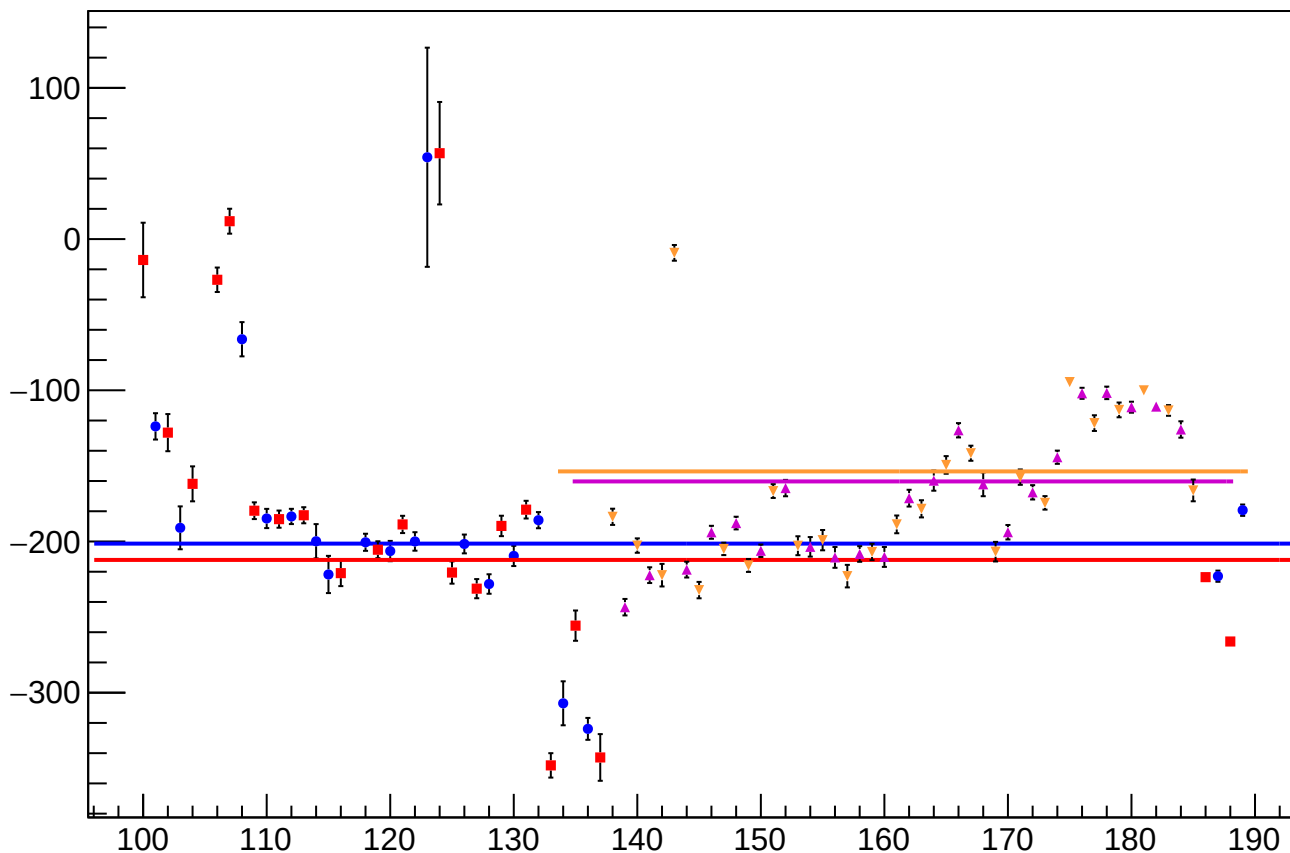
Right: 10.043 ± 0.631 $\chi^2/\text{NDF}: 801.8/39$

In: 6.827 ± 0.585 $\chi^2/\text{NDF}: 639.5/41$

Out: 5.134 ± 0.570 $\chi^2/\text{NDF}: 699.6/45$

All: 5.960 ± 0.408 $\chi^2/\text{NDF}: 1343.4/87$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.409 ± 1.475 χ^2/NDF : 692.1/18

Left Out: -153.649 ± 0.970 χ^2/NDF : 2930.9/24

Right Out: -212.193 ± 1.303 χ^2/NDF : 2440.3/20

Left In: -160.279 ± 0.985 χ^2/NDF : 2049.4/22

Left: -156.913 ± 0.691 χ^2/NDF : 5003.3/47

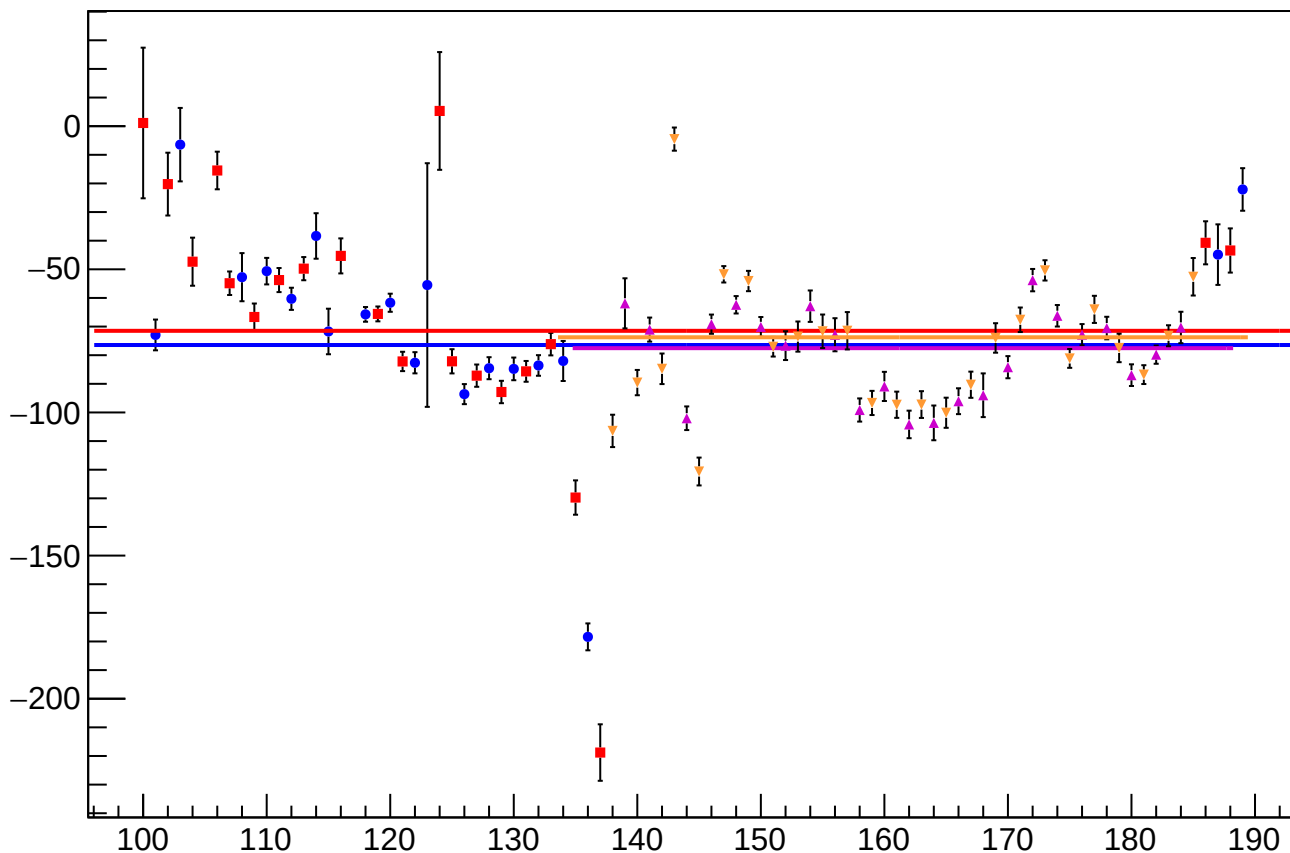
Right: -207.463 ± 0.977 χ^2/NDF : 3162.5/39

In: -172.968 ± 0.819 χ^2/NDF : 3279.6/41

Out: -174.514 ± 0.778 χ^2/NDF : 6669.8/45

All: -173.781 ± 0.564 χ^2/NDF : 9951.3/87

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -76.441 ± 1.050 $\chi^2/\text{NDF}: 722.3/18$

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 $\chi^2/\text{NDF}: 990.6/47$

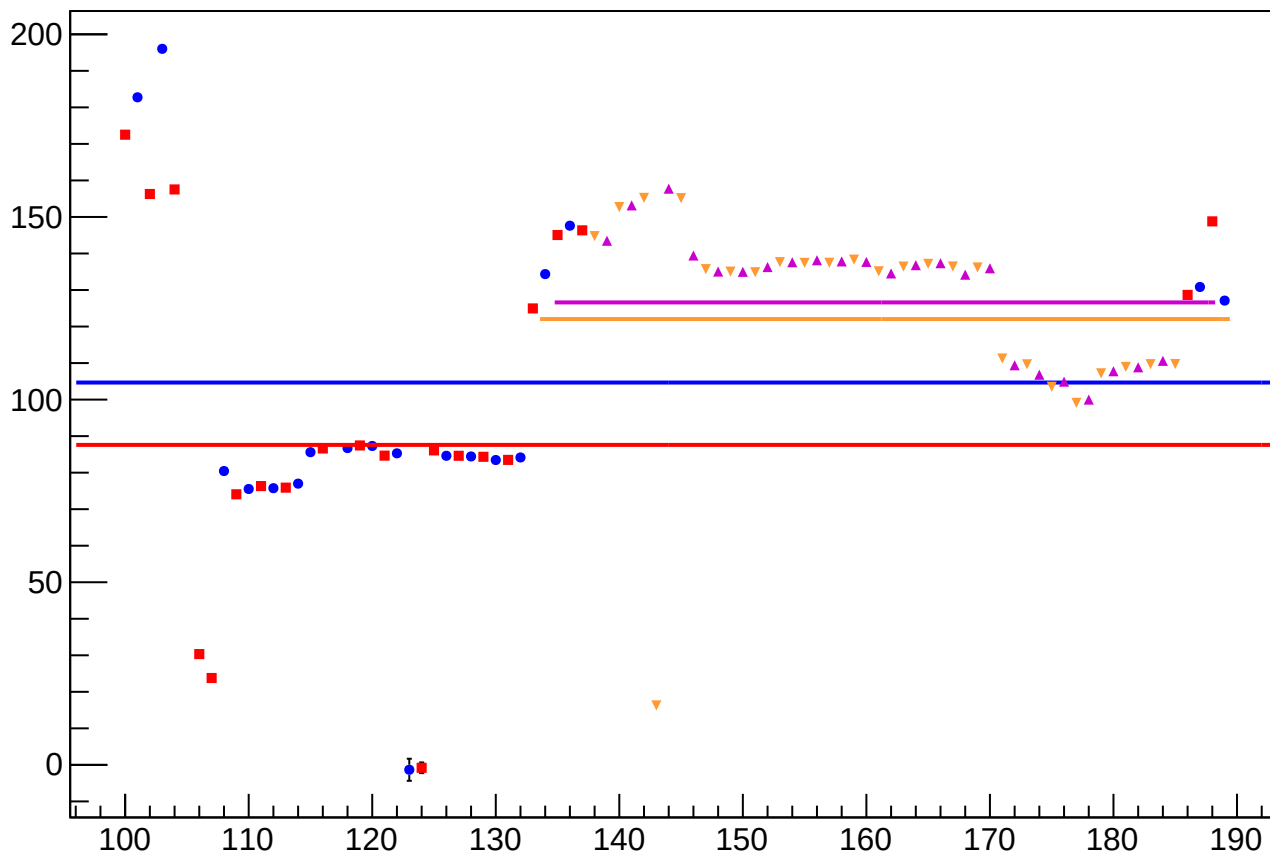
Right: -73.926 ± 0.737 $\chi^2/\text{NDF}: 1371.6/39$

In: -77.089 ± 0.674 $\chi^2/\text{NDF}: 975.7/41$

Out: -72.826 ± 0.659 $\chi^2/\text{NDF}: 1369.1/45$

All: -74.908 ± 0.471 $\chi^2/\text{NDF}: 2365.2/87$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 104.670 $\pm$ 0.068 χ^2 /NDF: 281029.5/18

Left Out: 122.046 $\pm$ 0.040 χ^2 /NDF: 437985.3/24

Right Out: 87.600 $\pm$ 0.062 χ^2 /NDF: 459427.9/20

Left In: 126.605 $\pm$ 0.041 χ^2 /NDF: 164757.9/22

Left: 124.300 $\pm$ 0.029 χ^2 /NDF: 609027.6/47

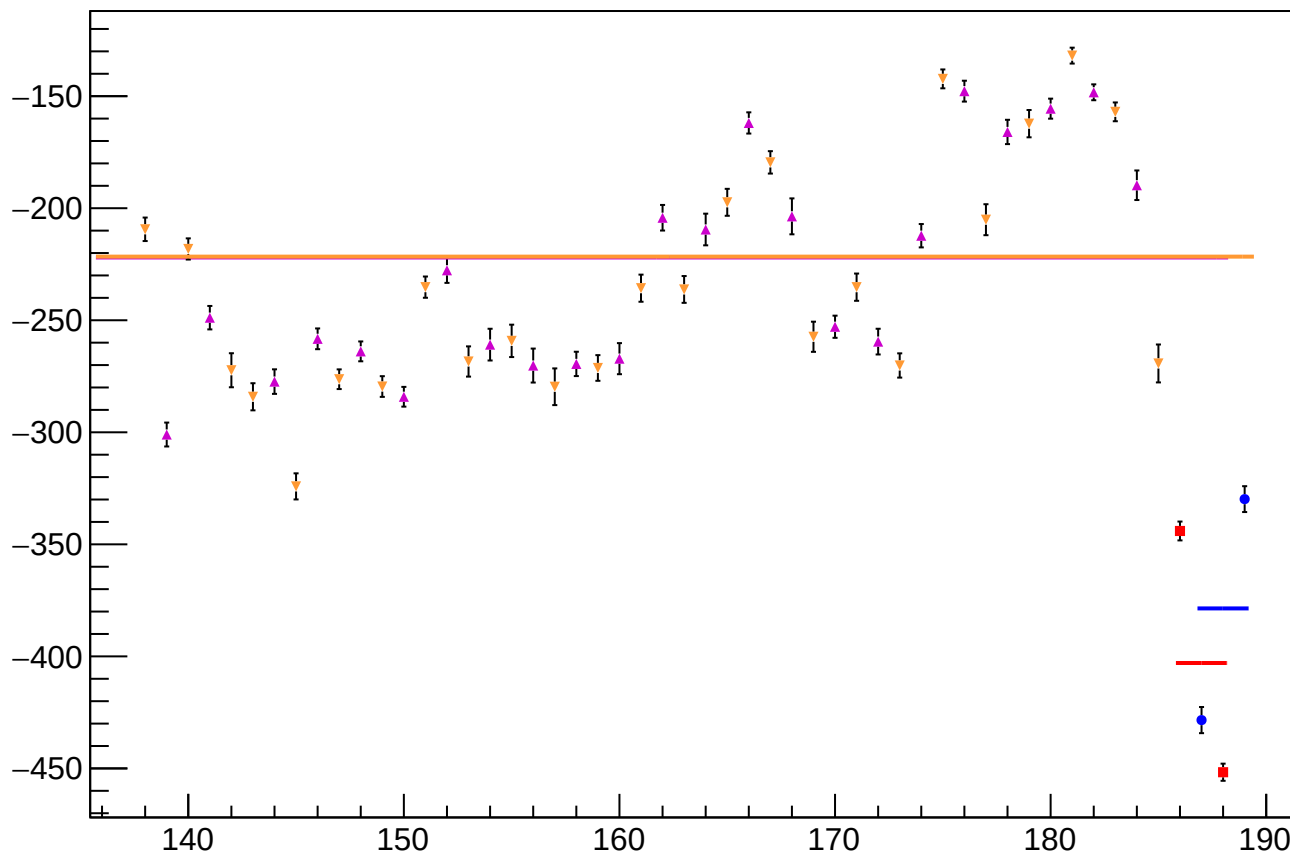
Right: 95.370 $\pm$ 0.046 χ^2 /NDF: 774597.3/39

In: 120.804 $\pm$ 0.035 χ^2 /NDF: 521883.8/41

Out: 111.845 $\pm$ 0.034 χ^2 /NDF: 1112379.0/45

All: 116.175 $\pm$ 0.024 χ^2 /NDF: 1667983.7/87

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -378.599 ± 4.102 $\chi^2/\text{NDF}: 144.5/1$

Left Out: -221.606 ± 1.087 $\chi^2/\text{NDF}: 2565.8/24$

Right Out: -402.953 ± 2.829 $\chi^2/\text{NDF}: 358.9/1$

Left In: -221.980 ± 1.098 $\chi^2/\text{NDF}: 2190.6/22$

Left: -221.791 ± 0.773 $\chi^2/\text{NDF}: 4756.5/47$

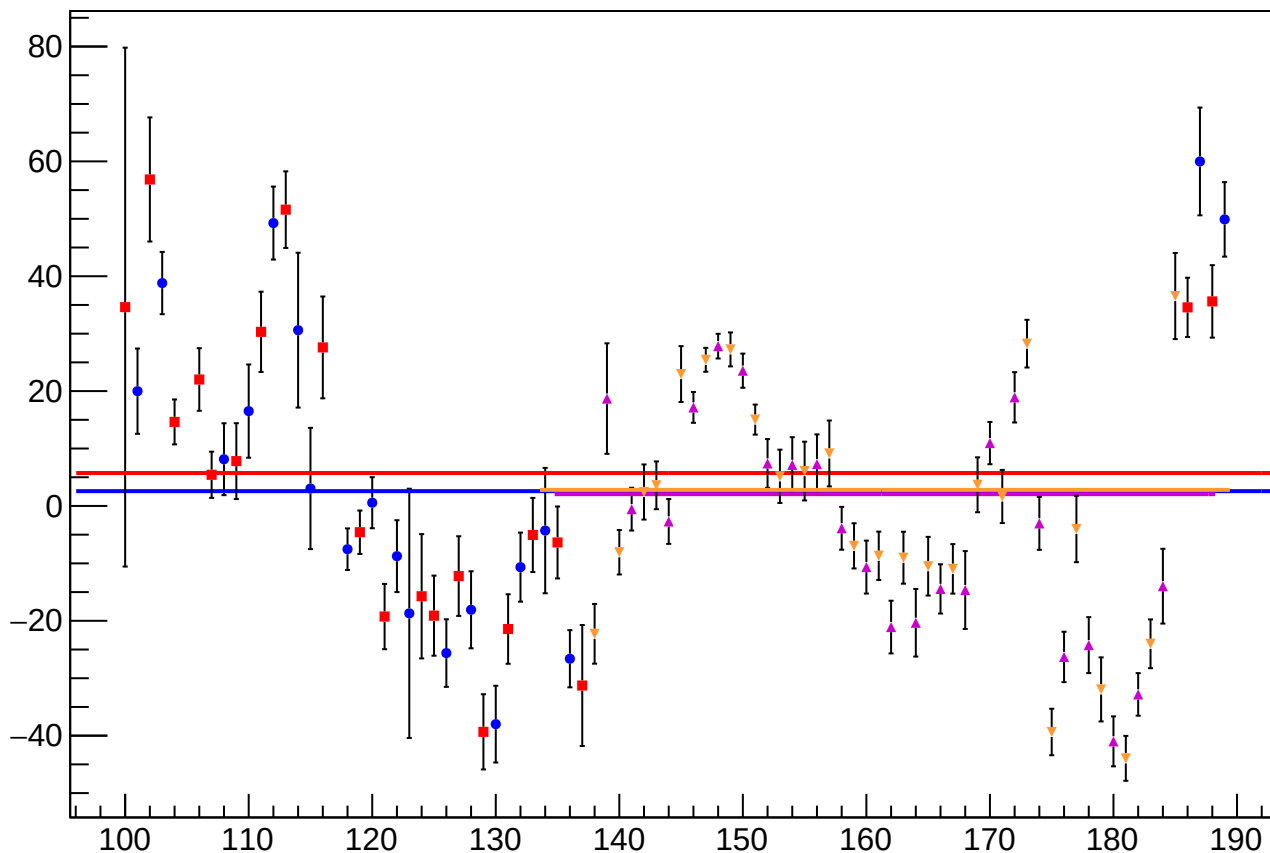
Right: -395.103 ± 2.329 $\chi^2/\text{NDF}: 527.3/3$

In: -232.455 ± 1.061 $\chi^2/\text{NDF}: 3695.6/24$

Out: -244.949 ± 1.015 $\chi^2/\text{NDF}: 6505.7/26$

All: -238.978 ± 0.733 $\chi^2/\text{NDF}: 10273.7/51$

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.578+/-1.456 χ^2/NDF : 324.0/18

Left Out: 2.800+/-0.810 χ^2/NDF : 685.5/24

Right Out: 5.733+/-1.323 χ^2/NDF : 292.9/20

Left In: 2.050+/-0.833 χ^2/NDF : 592.6/22

Left: 2.436+/-0.581 χ^2/NDF : 1278.5/47

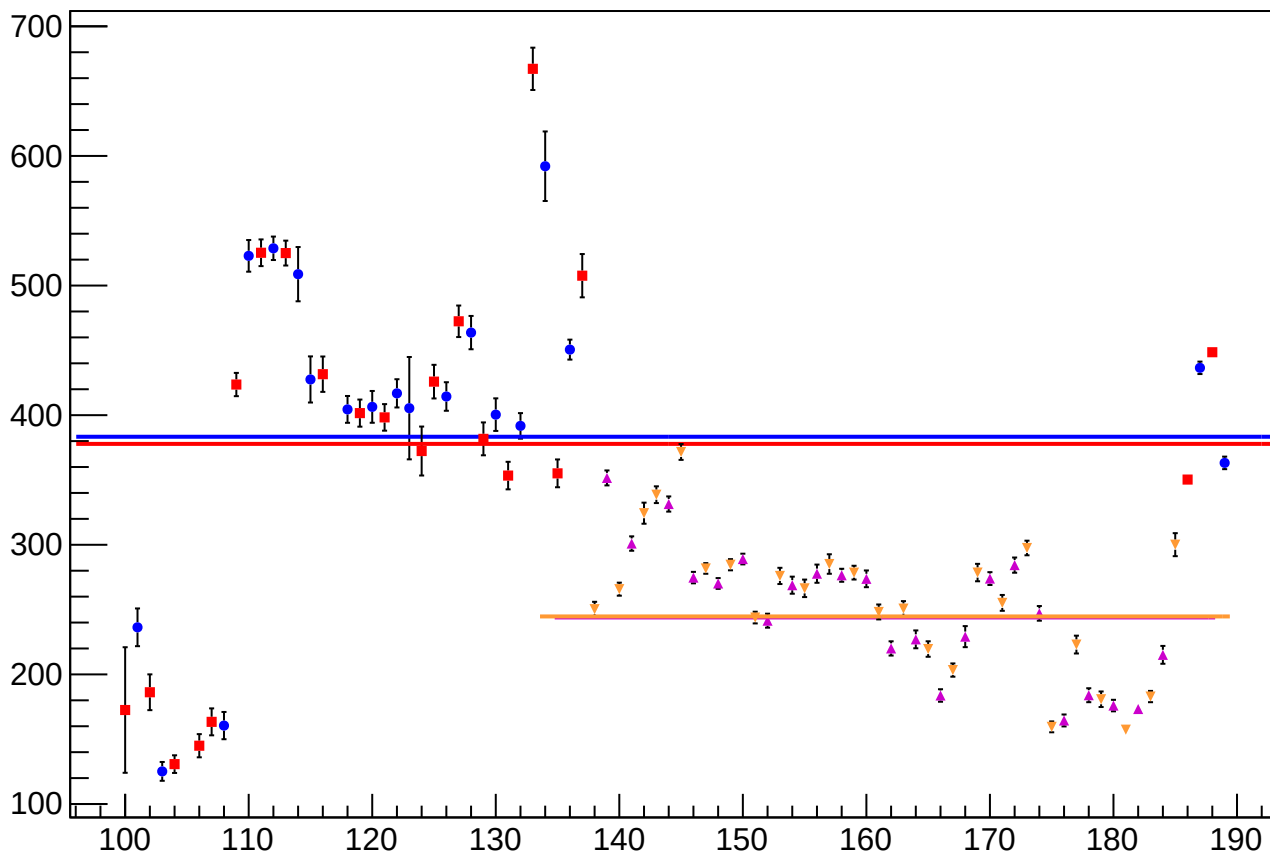
Right: 4.306+/-0.979 χ^2/NDF : 619.5/39

In: 2.180+/-0.723 χ^2/NDF : 916.7/41

Out: 3.599+/-0.691 χ^2/NDF : 982.0/45

All: 2.922+/-0.499 χ^2/NDF : 1900.7/87

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 383.349 $\pm$ 2.144 χ^2 /NDF: 2589.8/18

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

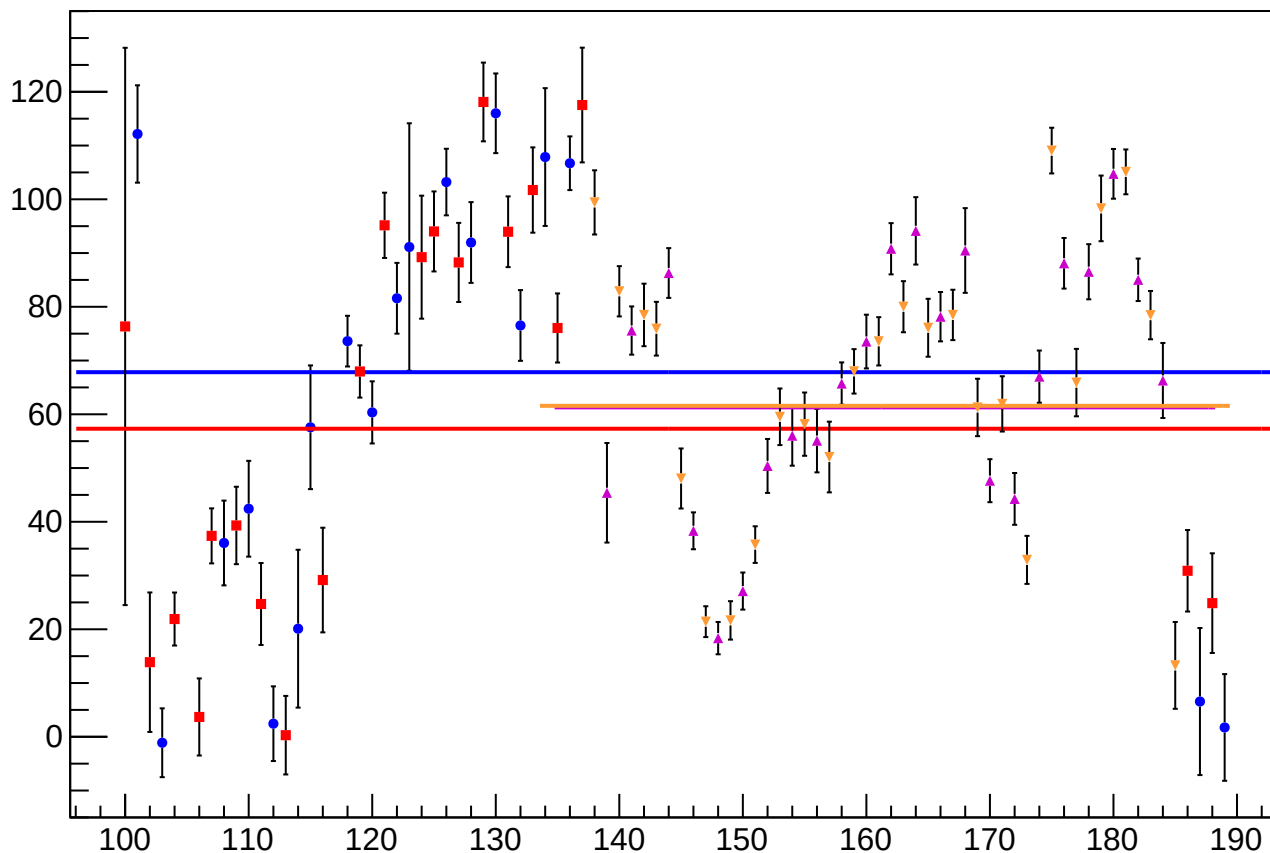
Right: 379.966 $\pm$ 1.332 χ^2 /NDF: 6766.1/39

In: 272.576 $\pm$ 0.972 χ^2 /NDF:8245.2/41

Out: 283.248 $\pm$ 0.914 χ^2 /NDF:11099.1/45

All: 278.237 $\pm$ 0.666 χ^2 /NDF: 19408.3/87

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 67.834 $\pm$ 1.703 χ^2 /NDF: 494.4/18

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

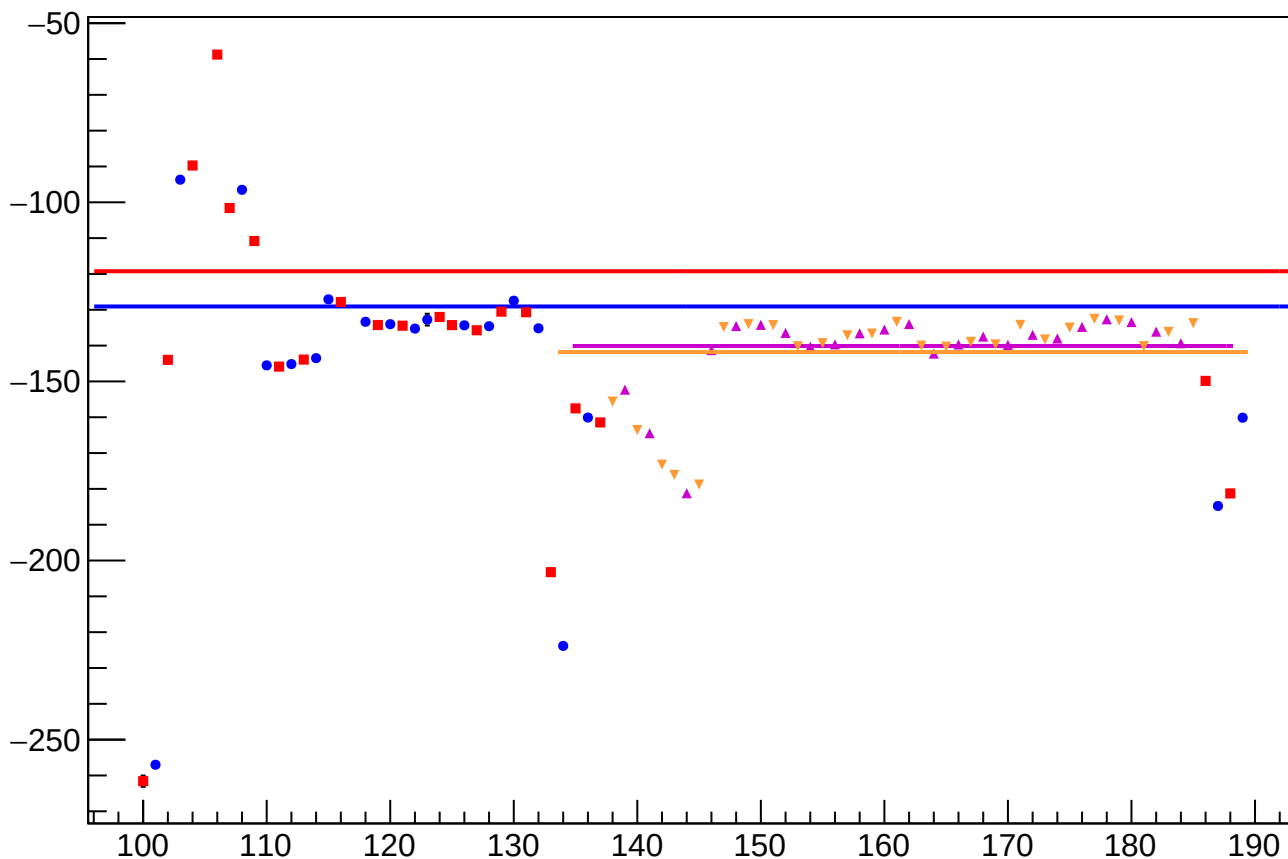
Right: 62.157 $\pm$ 1.156 χ^2 /NDF: 1032.1/39

In: 62.862 $\pm$ 0.836 χ^2 /NDF:1208.4/41

Out: 60.456 $\pm$ 0.806 χ^2 /NDF:1392.8/45

All: 61.616 $\pm$ 0.580 χ^2 /NDF: 2605.6/87

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -129.079+/-0.087 χ^2/NDF : 177504.4/18

Left Out: -141.811+/-0.045 χ^2/NDF : 77727.6/24

Right Out: -119.242+/-0.081 χ^2/NDF : 191472.2/20

Left In: -140.112+/-0.045 χ^2/NDF : 48400.6/22

Left: -140.962+/-0.032 χ^2/NDF : 126846.5/47

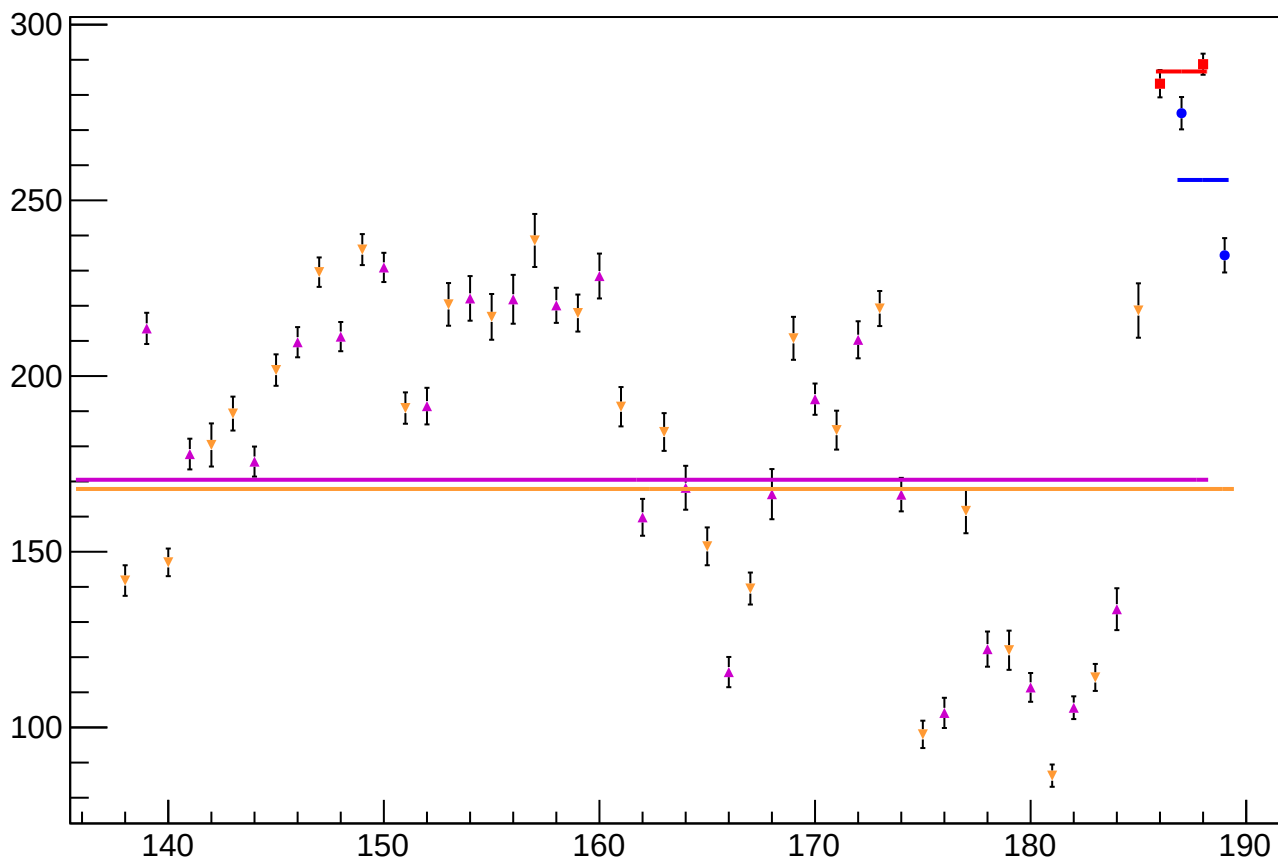
Right: -123.778+/-0.059 χ^2/NDF : 375842.4/39

In: -137.804+/-0.040 χ^2/NDF : 238577.0/41

Out: -136.484+/-0.039 χ^2/NDF : 329076.9/45

All: -137.132+/-0.028 χ^2/NDF : 568211.2/87

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 255.805 $\pm$ 3.351 χ^2 /NDF: 36.3/1

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

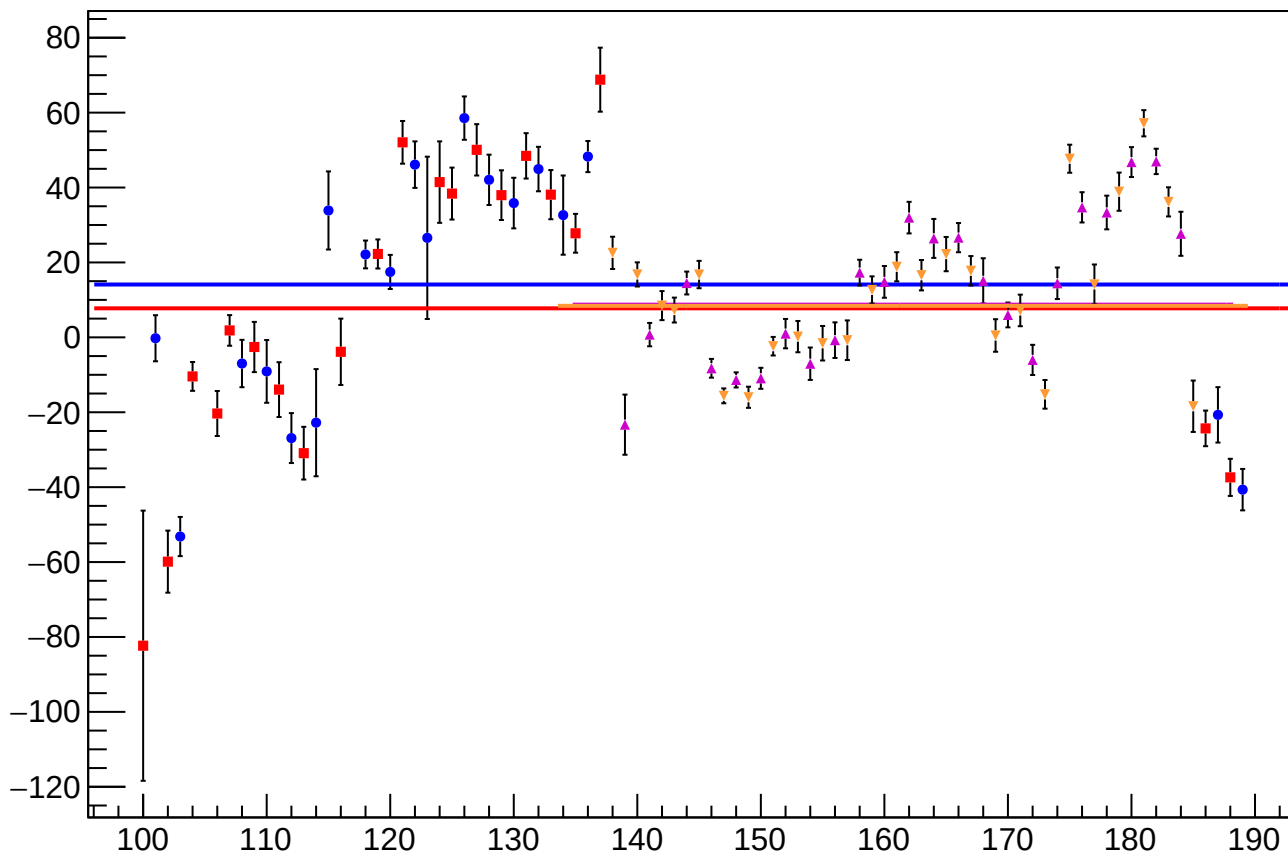
Right: 276.361 $\pm$ 1.937 χ^2 /NDF: 94.1/3

In: 177.352 $\pm$ 0.950 χ^2 /NDF:2668.9/24

Out: 184.973 $\pm$ 0.901 χ^2 /NDF:4611.3/26

All: 181.367 $\pm$ 0.654 χ^2 /NDF: 7314.1/51

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 14.108 $\pm$ 1.404 χ^2 /NDF: 574.0/18

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

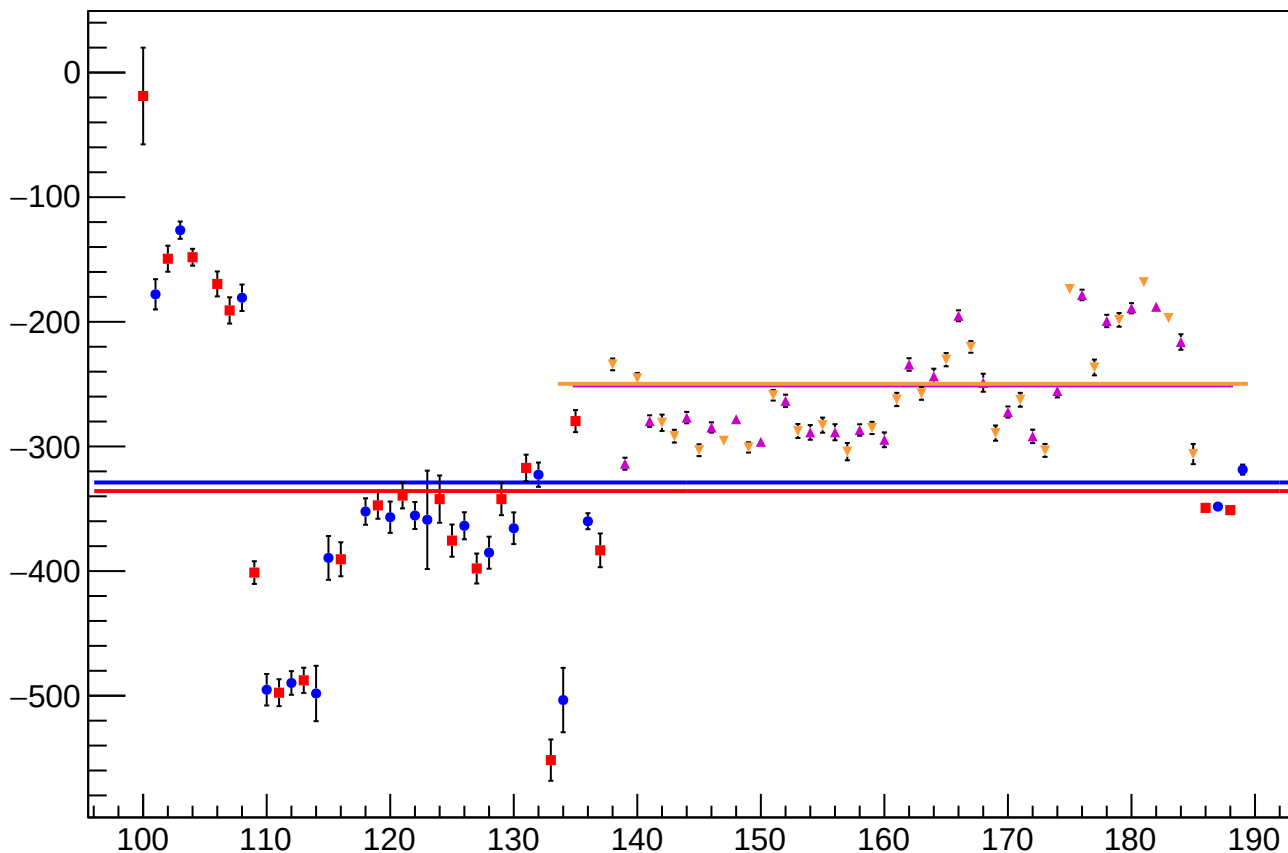
Right: 10.658 $\pm$ 0.950 χ^2 /NDF: 1170.7/39

In: 9.941 $\pm$ 0.666 χ^2 /NDF: 1215.5/41

Out: 8.252 $\pm$ 0.636 χ^2 /NDF: 1336.3/45

All: 9.057 $\pm$ 0.460 χ^2 /NDF: 2555.1/87

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -328.904 ± 1.921 χ^2/NDF : 1887.2/18

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

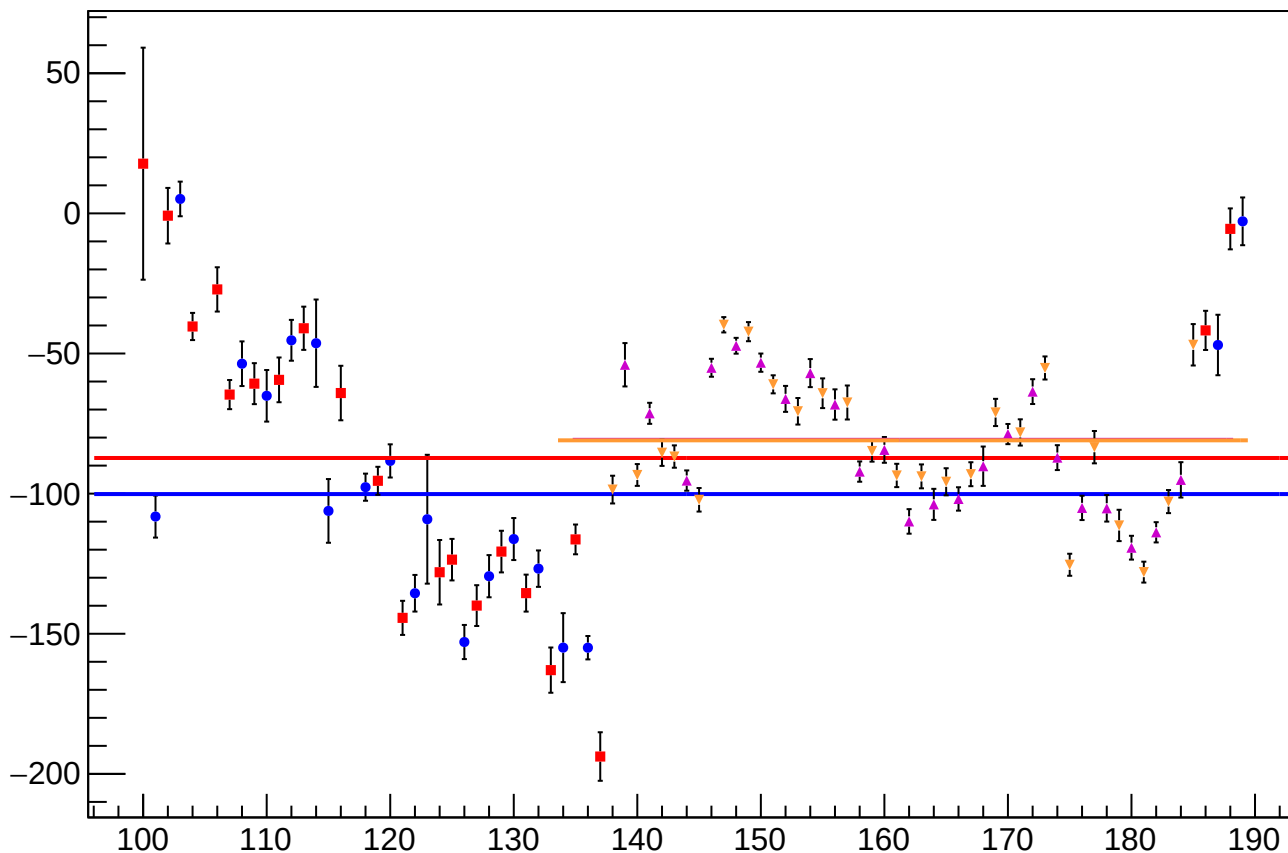
Right: -333.146 ± 1.192 χ^2/NDF : 4356.8/39

In: -267.272 ± 0.878 χ^2/NDF : 5147.2/41

Out: -274.832 ± 0.821 χ^2/NDF : 6962.9/45

All: -271.304 ± 0.600 χ^2/NDF : 12149.7/87

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.156 ± 1.642 χ^2/NDF : 901.5/18

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

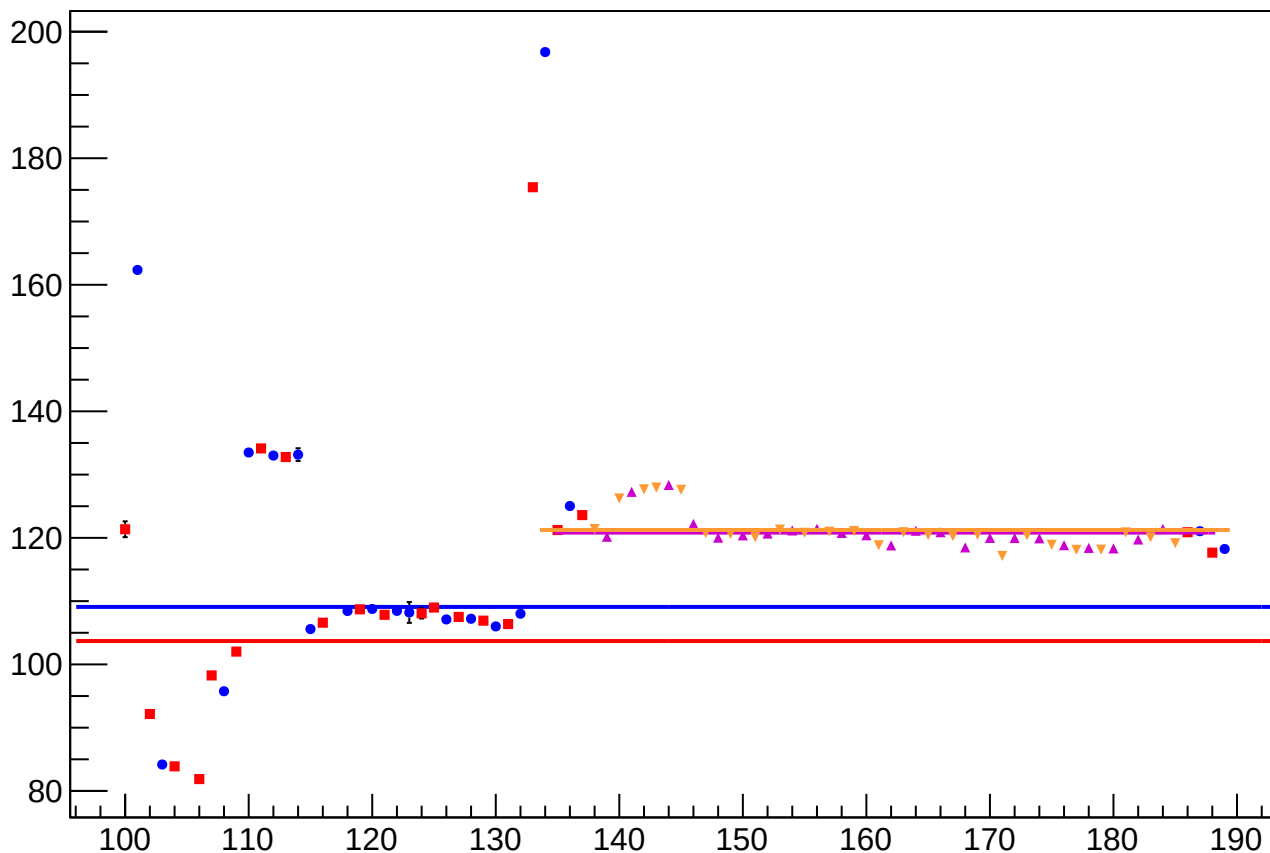
Right: -93.288 ± 1.121 χ^2/NDF : 1944.2/39

In: -85.045 ± 0.769 χ^2/NDF : 1705.4/41

Out: -82.449 ± 0.741 χ^2/NDF : 1934.1/45

All: -83.700 ± 0.533 χ^2/NDF : 3645.4/87

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 109.085 $\pm$ 0.082 χ^2 /NDF: 74242.9/18

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

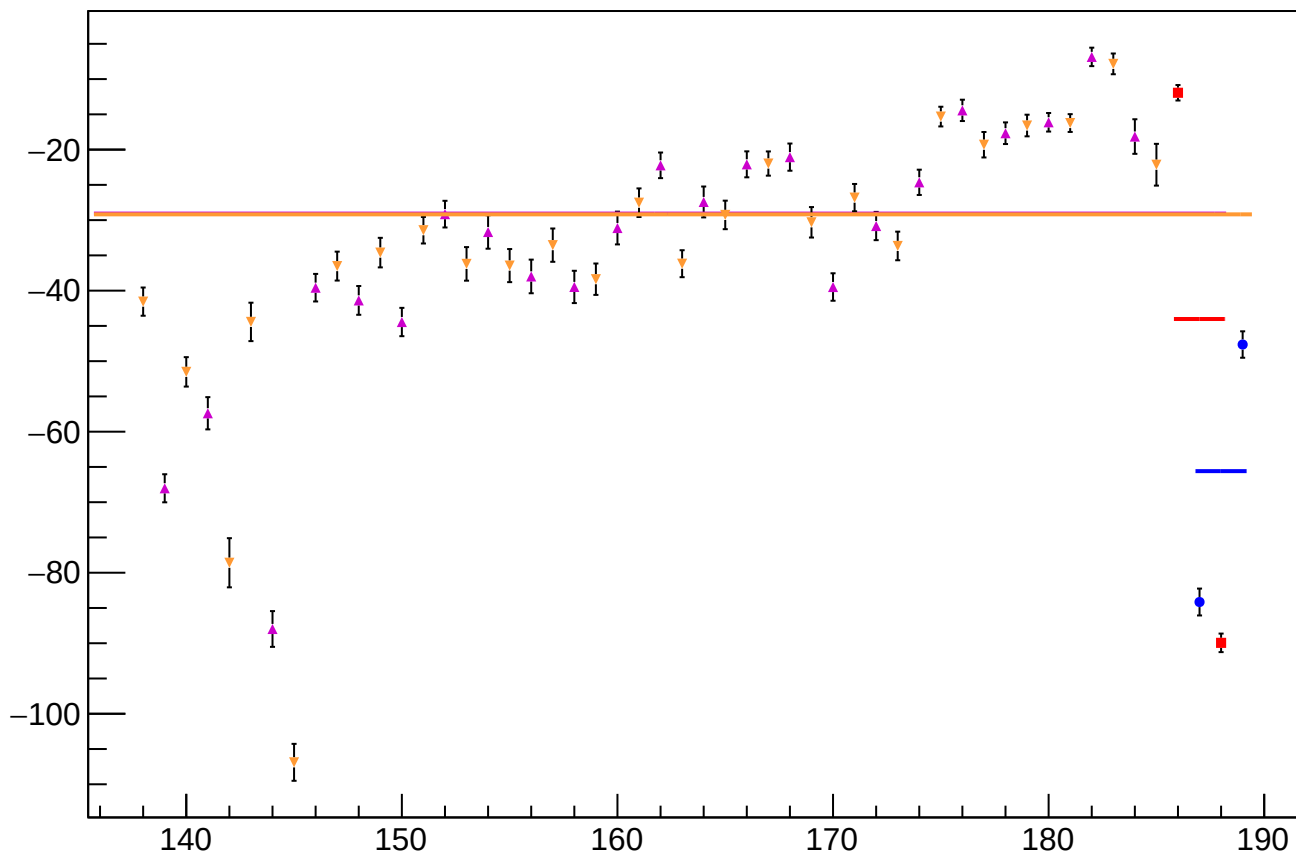
Right: 106.201 $\pm$ 0.056 χ^2 /NDF: 132592.2/39

In: 118.538 $\pm$ 0.036 χ^2 /NDF: 94053.4/41

Out: 117.458 $\pm$ 0.036 χ^2 /NDF: 101997.1/45

All: 117.987 $\pm$ 0.025 χ^2 /NDF: 196500.7/87

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -65.595+/-1.336 χ^2/NDF : 186.6/1
 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

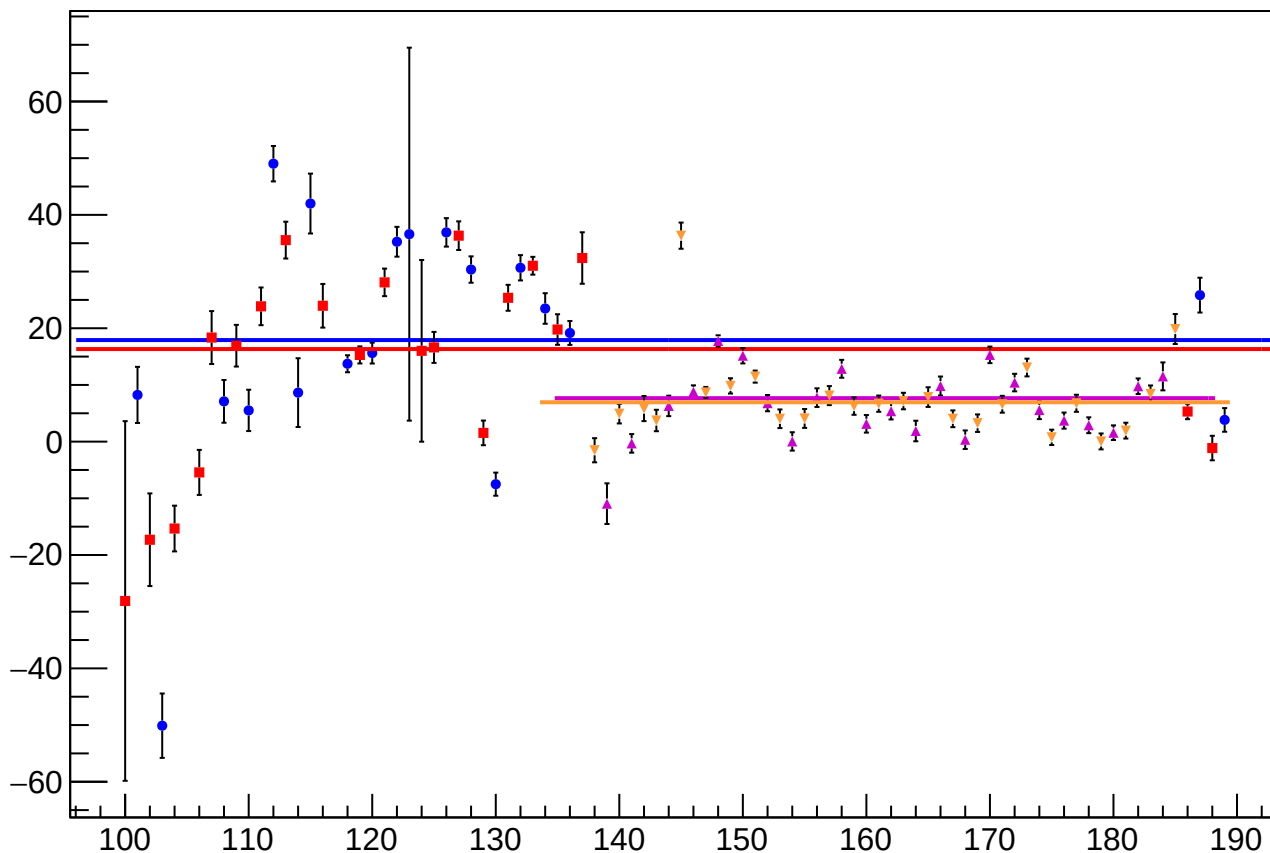
Right: -50.157+/-0.713 χ^2/NDF : 2449.0/3

In: -31.991+/-0.378 χ^2/NDF :2746.2/24

Out: -31.792+/-0.353 χ^2/NDF :4212.0/26

All: -31.885+/-0.258 χ^2/NDF : 6958.3/51

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.913 $\pm$ 0.603 χ^2 /NDF: 673.6/18

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

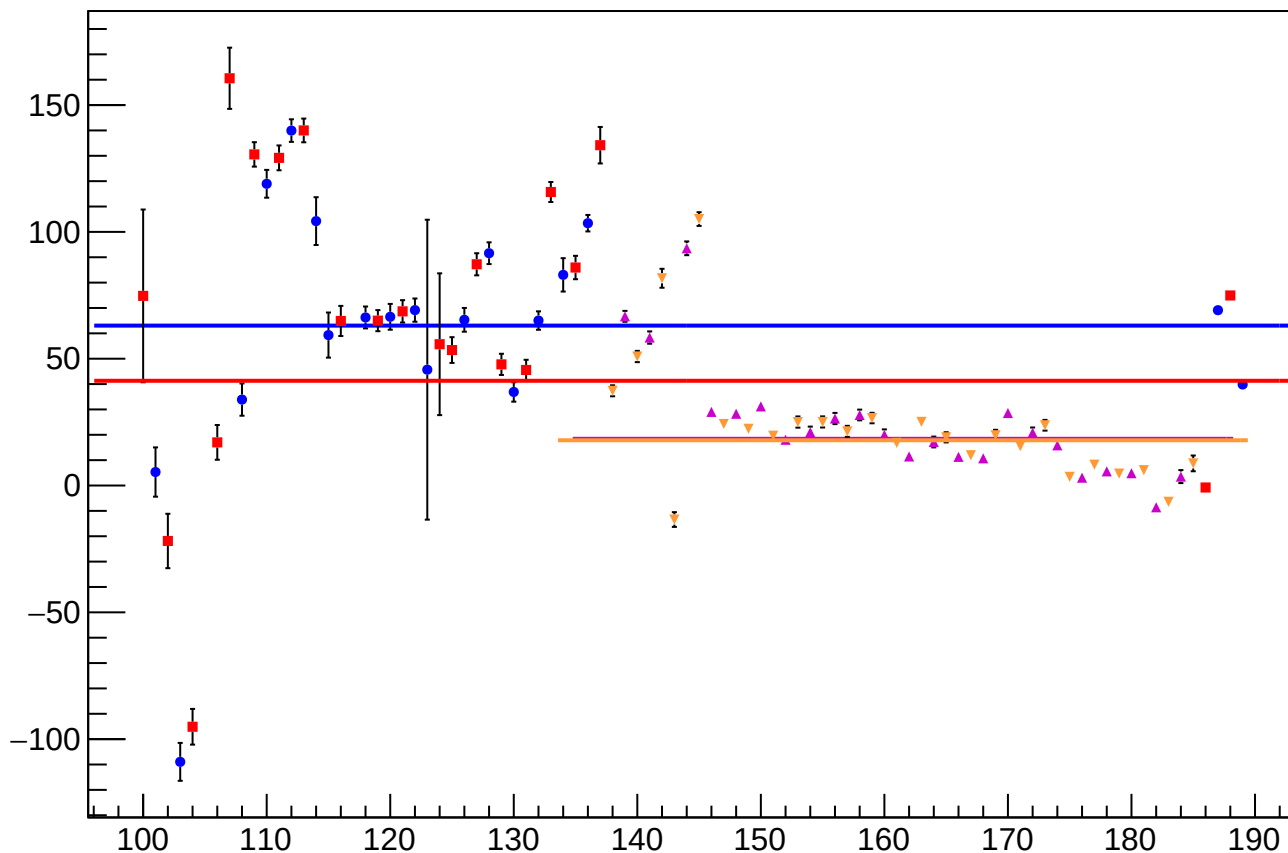
Right: 17.064 $\pm$ 0.411 χ^2 /NDF: 1214.4/39

In: 9.838 $\pm$ 0.278 χ^2 /NDF:1242.3/41

Out: 9.070 $\pm$ 0.267 χ^2 /NDF:1076.2/45

All: 9.439 $\pm$ 0.192 χ^2 /NDF: 2322.5/87

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 63.048 $\pm$ 0.826 χ^2 /NDF: 1493.7/18

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

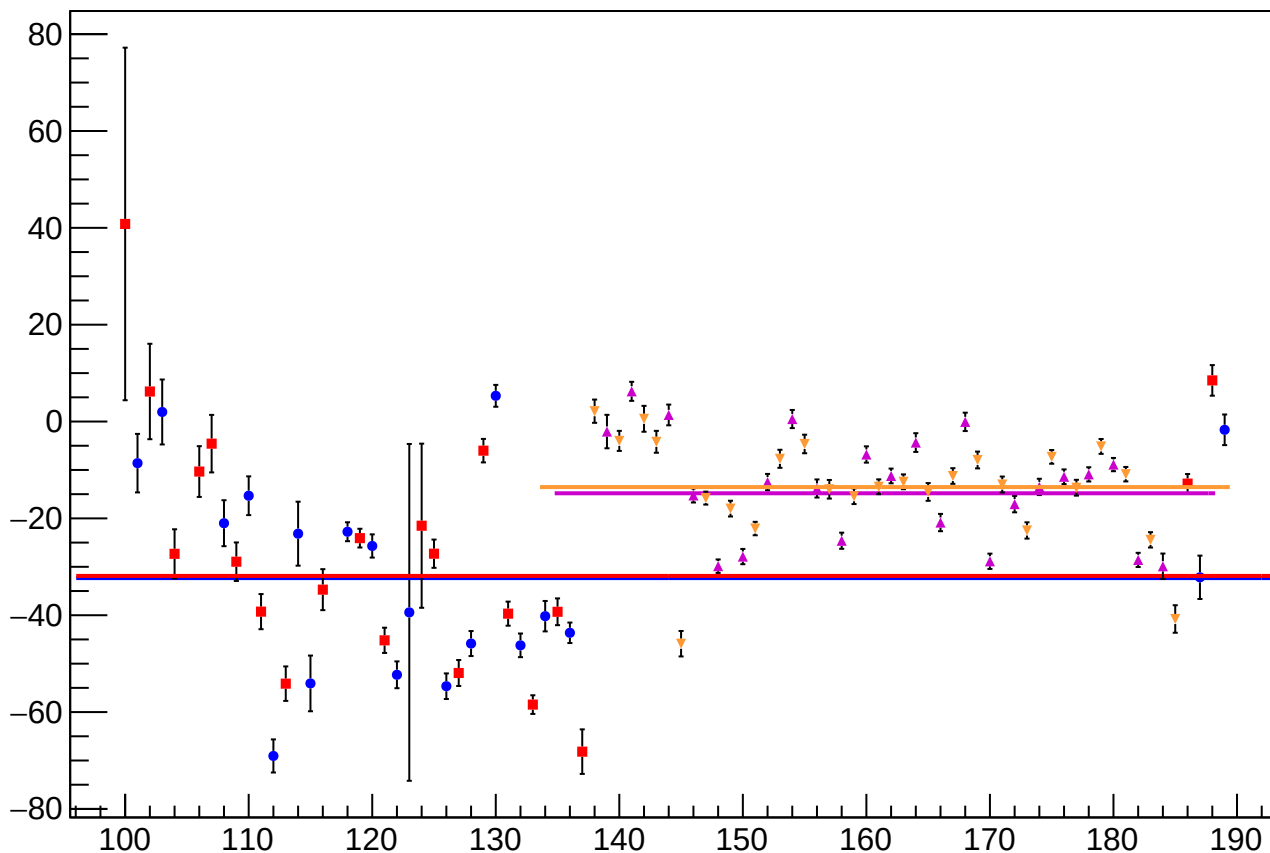
Right: 48.674 $\pm$ 0.481 χ^2 /NDF: 7710.4/39

In: 26.590 $\pm$ 0.354 χ^2 /NDF:6345.3/41

Out: 24.889 $\pm$ 0.324 χ^2 /NDF:9257.9/45

All: 25.666 $\pm$ 0.239 χ^2 /NDF: 15615.8/87

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.329 ± 0.708 χ^2/NDF : 818.5/18

Left Out: -13.535 ± 0.345 χ^2/NDF : 574.6/24

Right Out: -31.880 ± 0.675 χ^2/NDF : 842.1/20

Left In: -14.815 ± 0.353 χ^2/NDF : 838.2/22

Left: -14.159 ± 0.247 χ^2/NDF : 1419.5/47

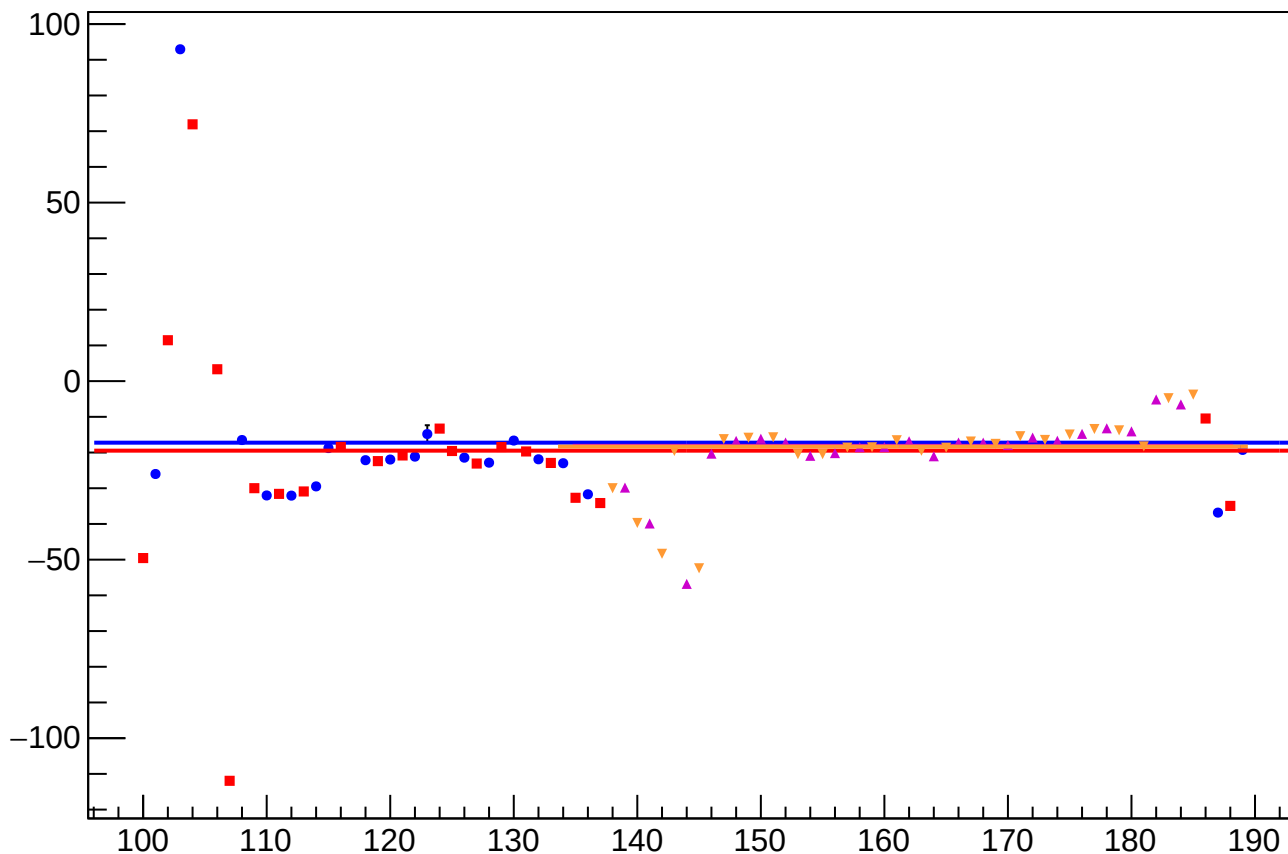
Right: -32.094 ± 0.488 χ^2/NDF : 1660.9/39

In: -18.303 ± 0.316 χ^2/NDF : 2146.7/41

Out: -17.333 ± 0.307 χ^2/NDF : 2003.2/45

All: -17.804 ± 0.220 χ^2/NDF : 4154.8/87

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -17.237 ± 0.042 $\chi^2/\text{NDF}: 480959.8/18$

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 $\chi^2/\text{NDF}: 529524.6/47$

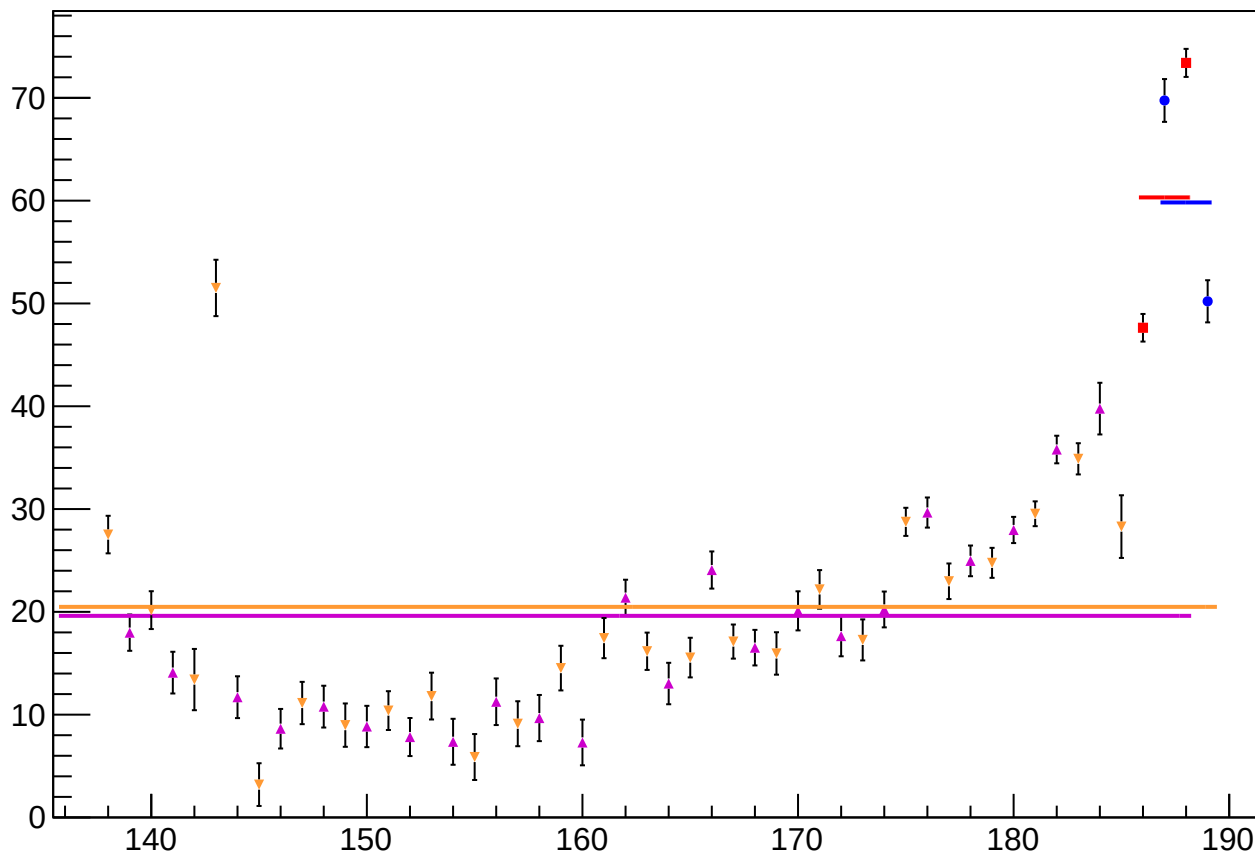
Right: -18.361 ± 0.029 $\chi^2/\text{NDF}: 931754.6/39$

In: -18.018 ± 0.015 $\chi^2/\text{NDF}: 727016.0/41$

Out: -18.483 ± 0.015 $\chi^2/\text{NDF}: 733791.4/45$

All: -18.253 ± 0.011 $\chi^2/\text{NDF}: 1461294.8/87$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 59.825 $\pm$ 1.461 χ^2 /NDF: 44.7/1

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

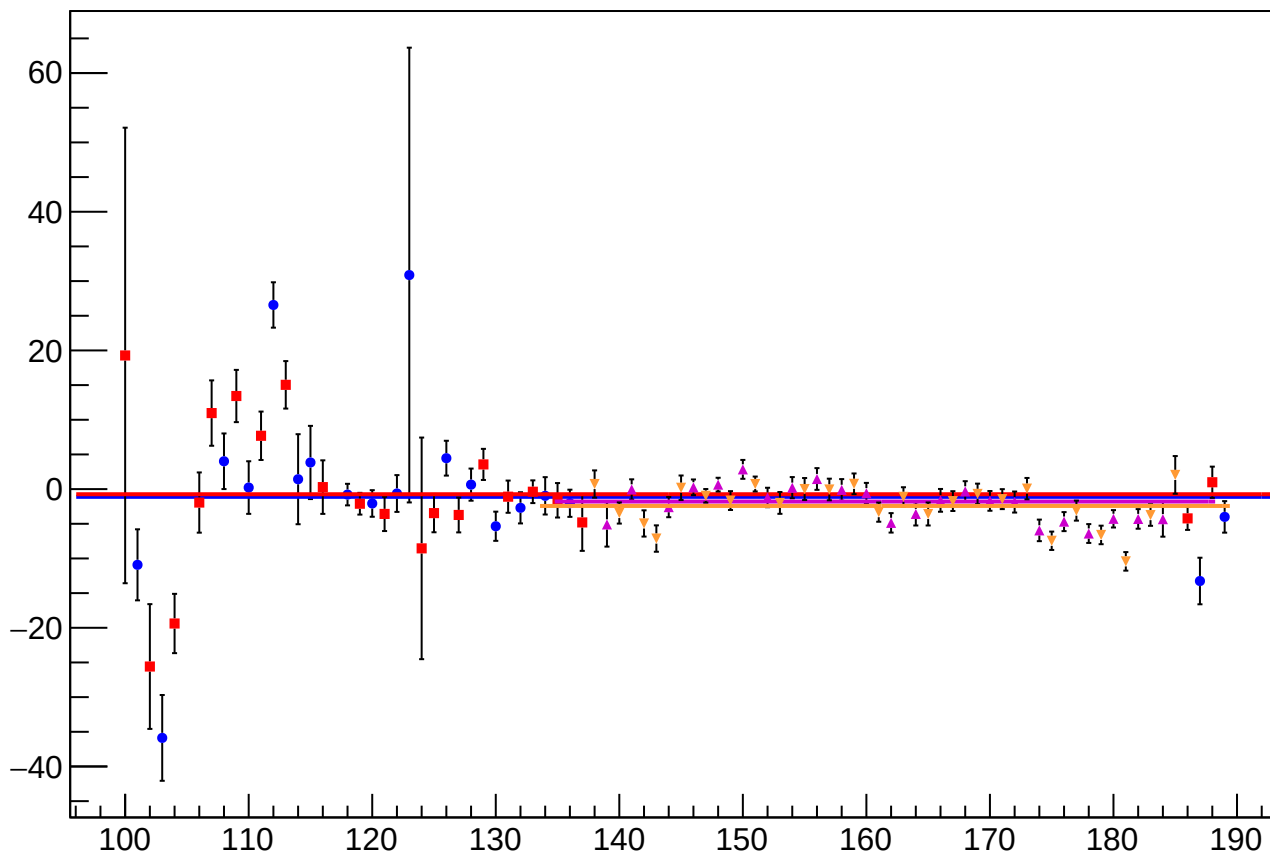
Right: 60.168 $\pm$ 0.801 χ^2 /NDF: 225.8/3

In: 22.143 $\pm$ 0.367 χ^2 /NDF:1327.4/24

Out: 25.750 $\pm$ 0.348 χ^2 /NDF:2298.8/26

All: 24.039 $\pm$ 0.252 χ^2 /NDF: 3677.0/51

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.113 ± 0.617 χ^2/NDF : 135.8/18

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

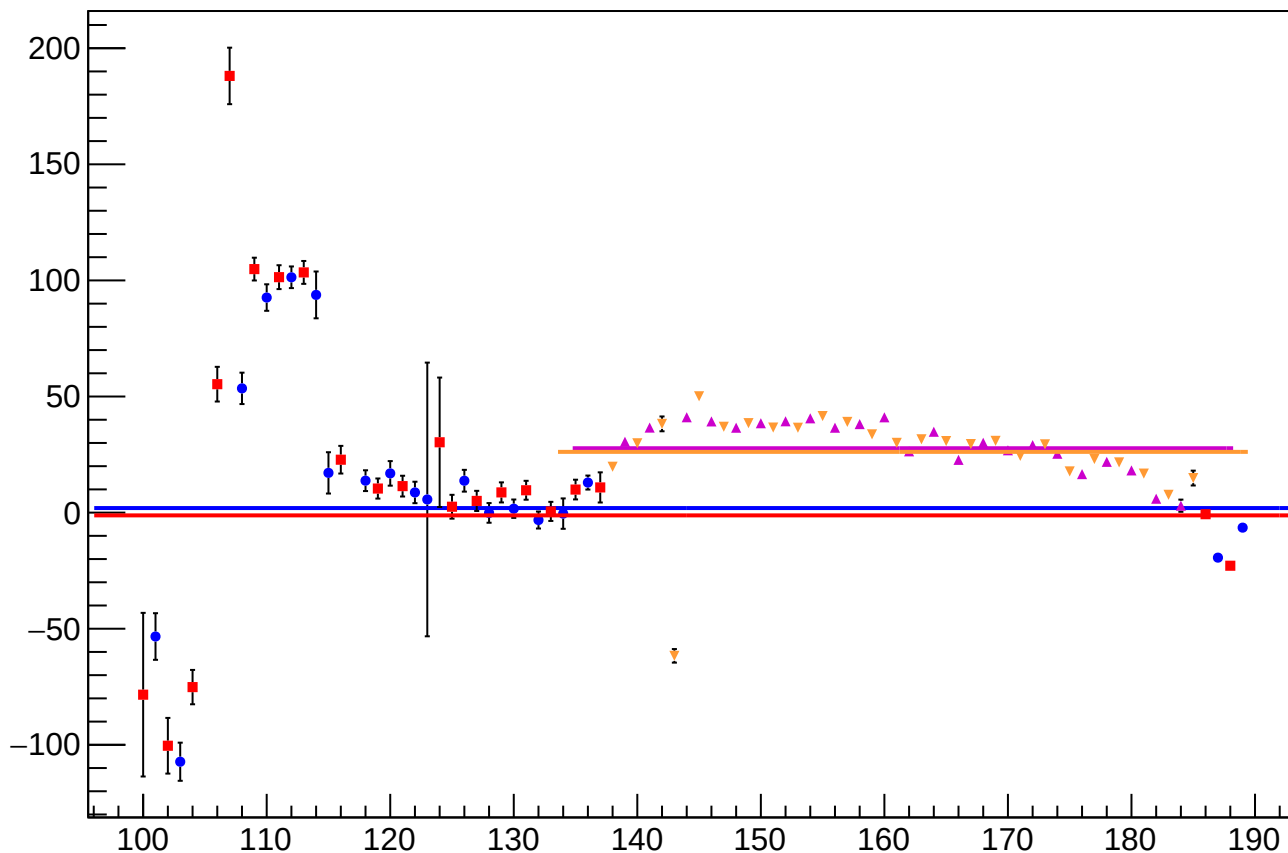
Right: -0.918 ± 0.426 χ^2/NDF : 225.0/39

In: -1.661 ± 0.271 χ^2/NDF : 206.8/41

Out: -2.095 ± 0.262 χ^2/NDF : 199.4/45

All: -1.885 ± 0.188 χ^2/NDF : 407.5/87

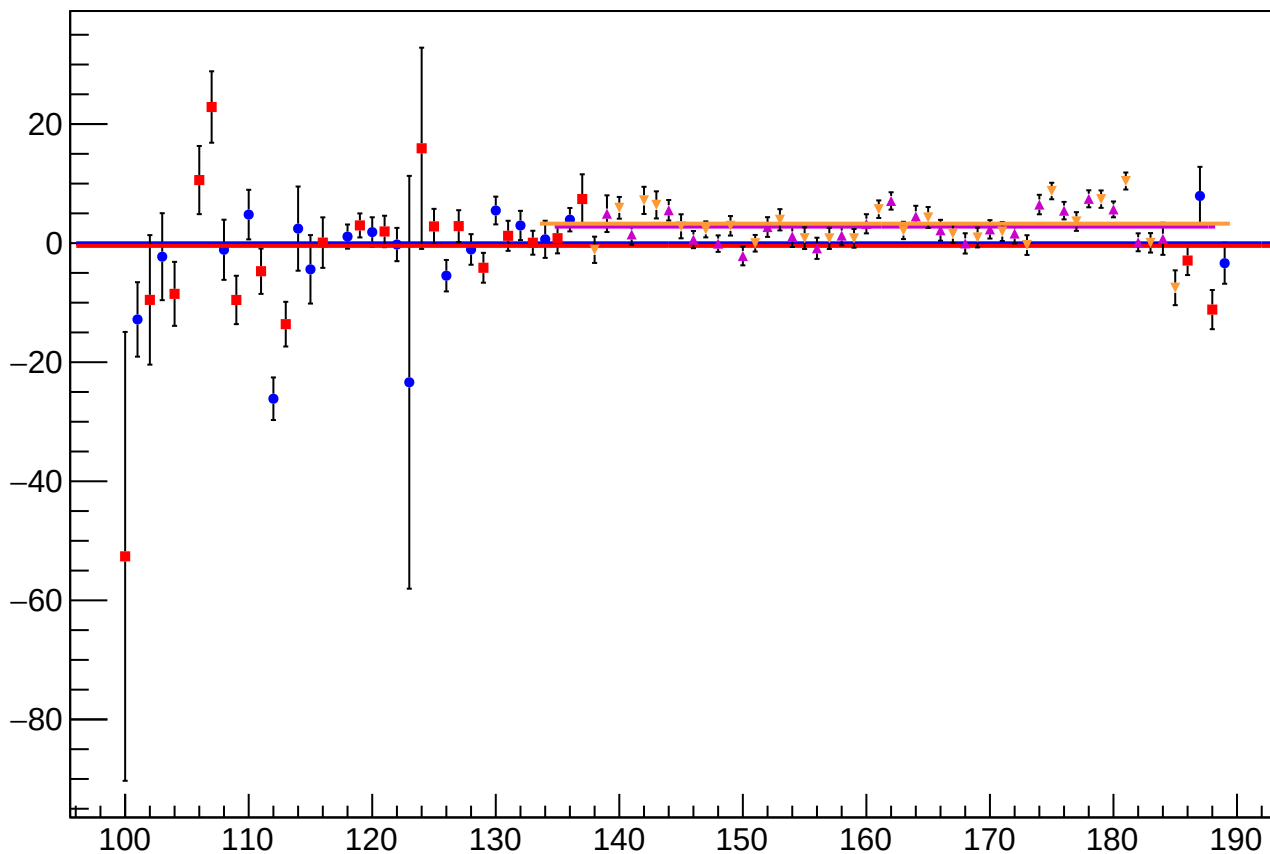
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.965 ± 0.872 $\chi^2/\text{NDF}: 1275.7/18$
 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: -0.053 ± 0.523 $\chi^2/\text{NDF}: 3518.6/39$
 In: 23.672 ± 0.346 $\chi^2/\text{NDF}: 2816.5/41$
 Out: 19.462 ± 0.324 $\chi^2/\text{NDF}: 5131.1/45$
 All: 21.430 ± 0.236 $\chi^2/\text{NDF}: 8026.6/87$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.031 ± 0.719 $\chi^2/\text{NDF}: 80.1/18$

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 $\chi^2/\text{NDF}: 169.4/47$

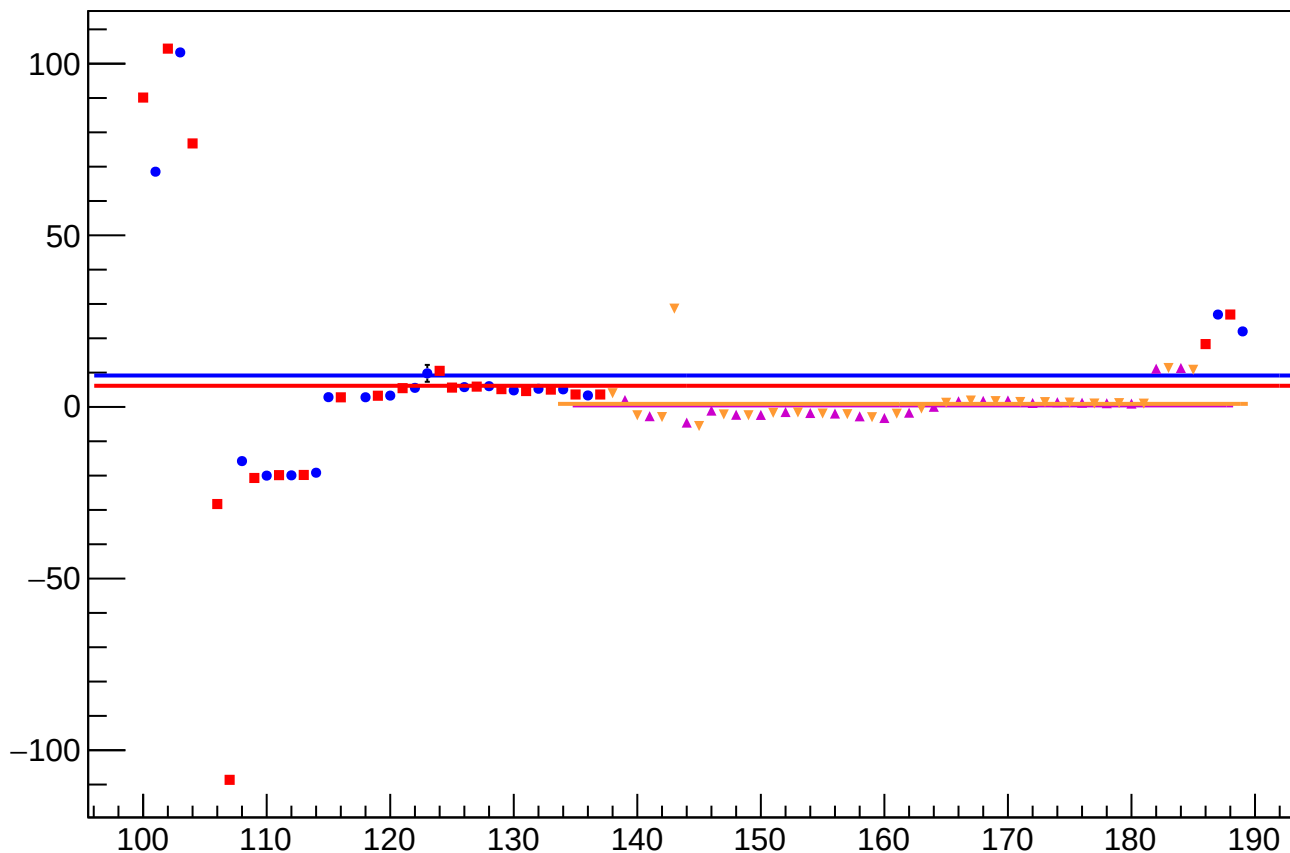
Right: -0.252 ± 0.502 $\chi^2/\text{NDF}: 148.1/39$

In: 2.263 ± 0.308 $\chi^2/\text{NDF}: 159.1/41$

Out: 2.589 ± 0.300 $\chi^2/\text{NDF}: 192.9/45$

All: 2.430 ± 0.215 $\chi^2/\text{NDF}: 352.6/87$

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 9.161 ± 0.042 $\chi^2/\text{NDF}: 369786.8/18$

Left Out: 0.898 ± 0.015 $\chi^2/\text{NDF}: 108195.0/24$

Right Out: 6.168 ± 0.042 $\chi^2/\text{NDF}: 537159.6/20$

Left In: 0.448 ± 0.015 $\chi^2/\text{NDF}: 50533.6/22$

Left: 0.675 ± 0.011 $\chi^2/\text{NDF}: 159162.0/47$

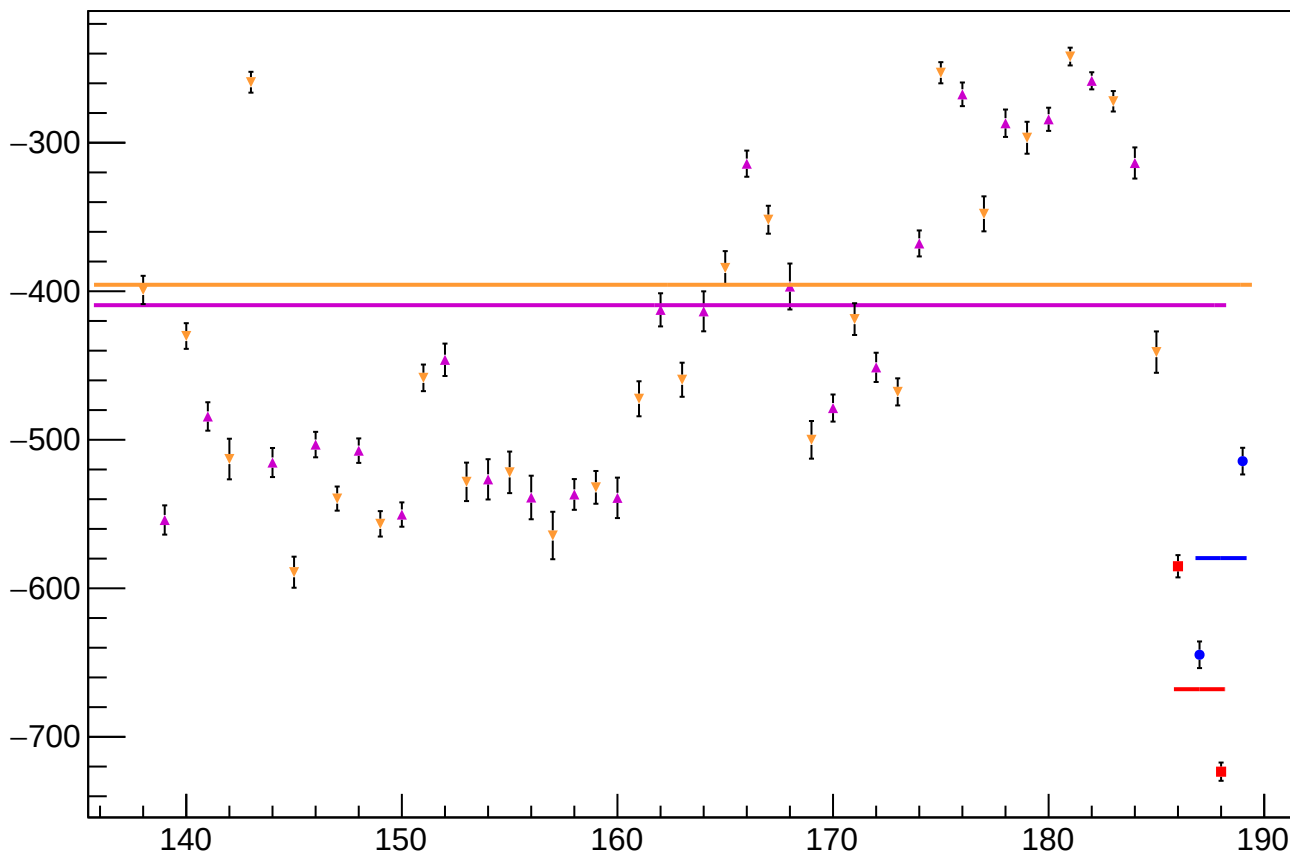
Right: 7.679 ± 0.030 $\chi^2/\text{NDF}: 909470.5/39$

In: 1.479 ± 0.014 $\chi^2/\text{NDF}: 458407.1/41$

Out: 1.501 ± 0.014 $\chi^2/\text{NDF}: 659075.7/45$

All: 1.490 ± 0.010 $\chi^2/\text{NDF}: 1117483.9/87$

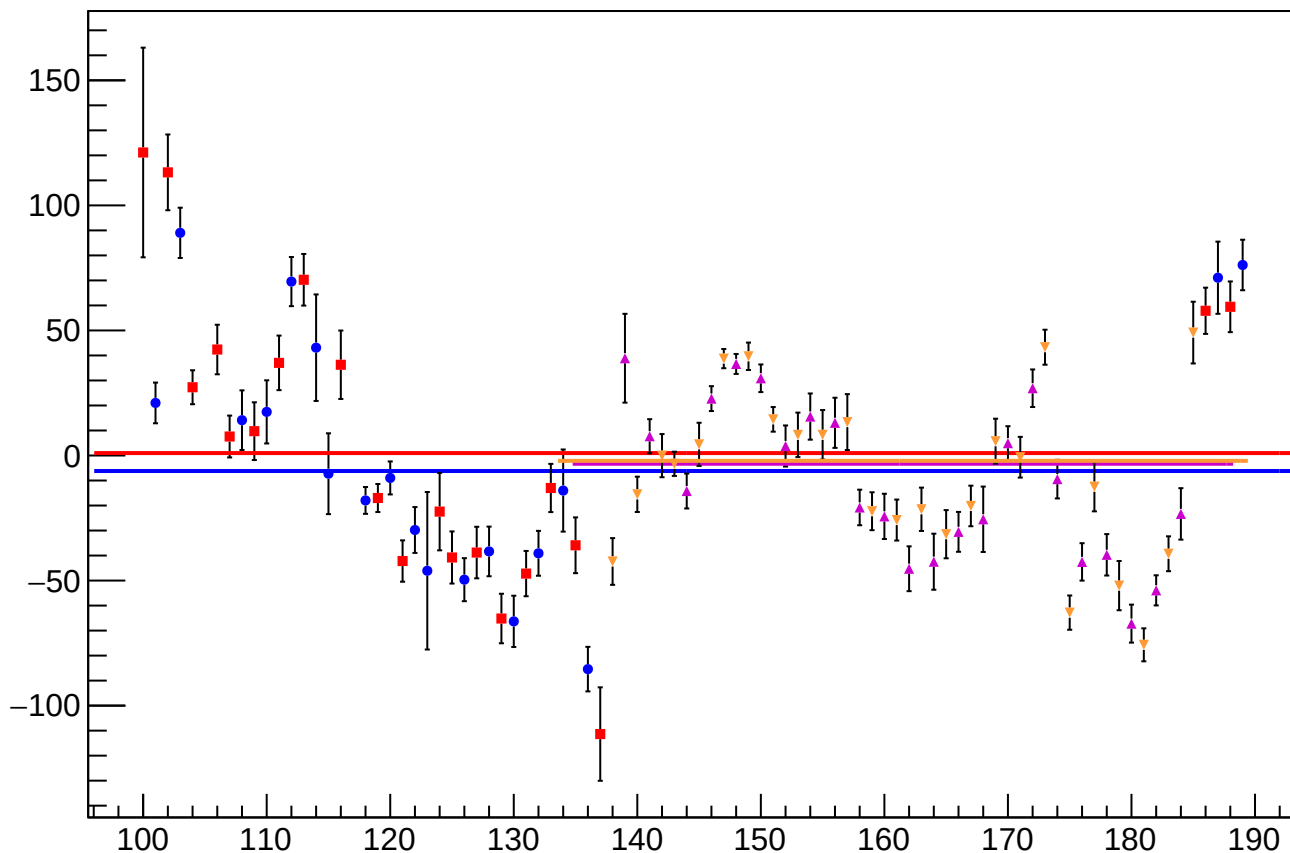
reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -579.652 $\pm$ 6.344 χ^2 /NDF: 105.6/1
 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: -636.206 $\pm$ 3.802 χ^2 /NDF: 433.3/3
 In: -424.373 $\pm$ 1.883 χ^2 /NDF:3858.8/24
 Out: -433.499 $\pm$ 1.771 χ^2 /NDF:6736.5/26
 All: -429.214 $\pm$ 1.290 χ^2 /NDF: 10607.7/51

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.203 ± 2.226 χ^2/NDF : 443.7/18

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

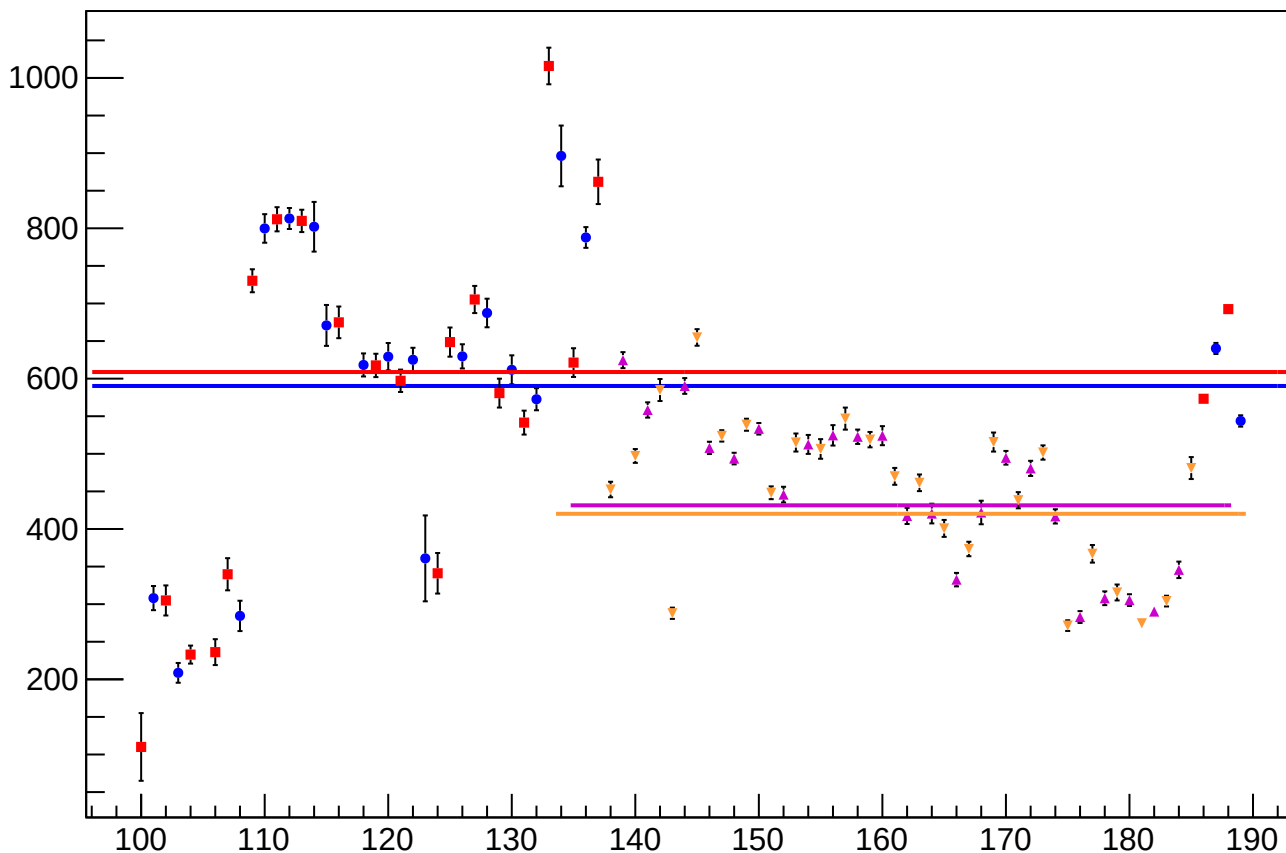
Right: -2.490 ± 1.546 χ^2/NDF : 872.7/39

In: -4.213 ± 1.253 χ^2/NDF : 899.4/41

Out: -1.176 ± 1.193 χ^2/NDF : 987.8/45

All: -2.620 ± 0.864 χ^2/NDF : 1890.3/87

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 590.252 $\pm$ 3.339 χ^2 /NDF: 2214.6/18

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

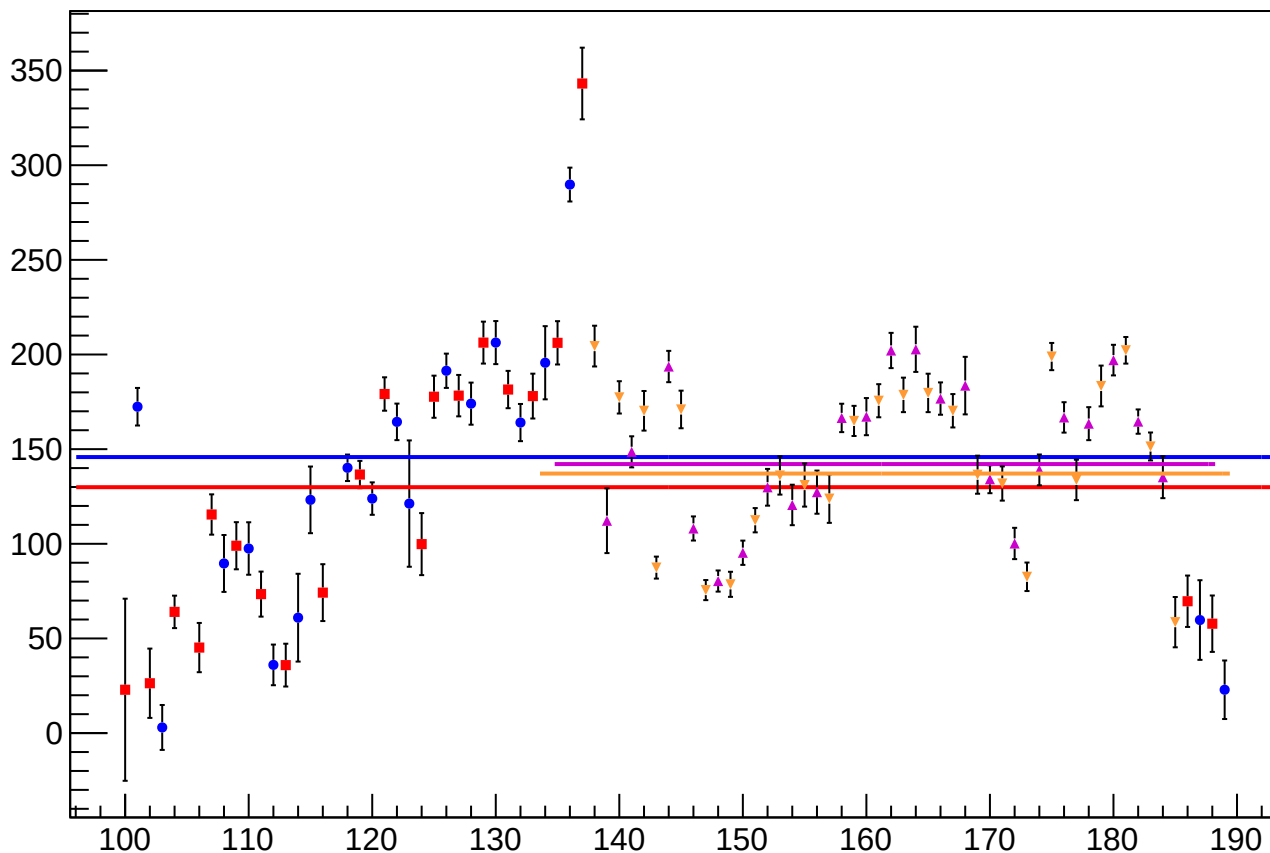
Right: 601.130 $\pm$ 2.148 χ^2 /NDF: 5438.2/39

In: 472.291 $\pm$ 1.693 χ^2 /NDF:6791.2/41

Out: 480.188 $\pm$ 1.582 χ^2 /NDF:9531.0/45

All: 476.507 $\pm$ 1.156 χ^2 /NDF: 16333.8/87

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 145.822 ± 2.614 $\chi^2/\text{NDF}: 718.4/18$

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 $\chi^2/\text{NDF}: 1207.0/47$

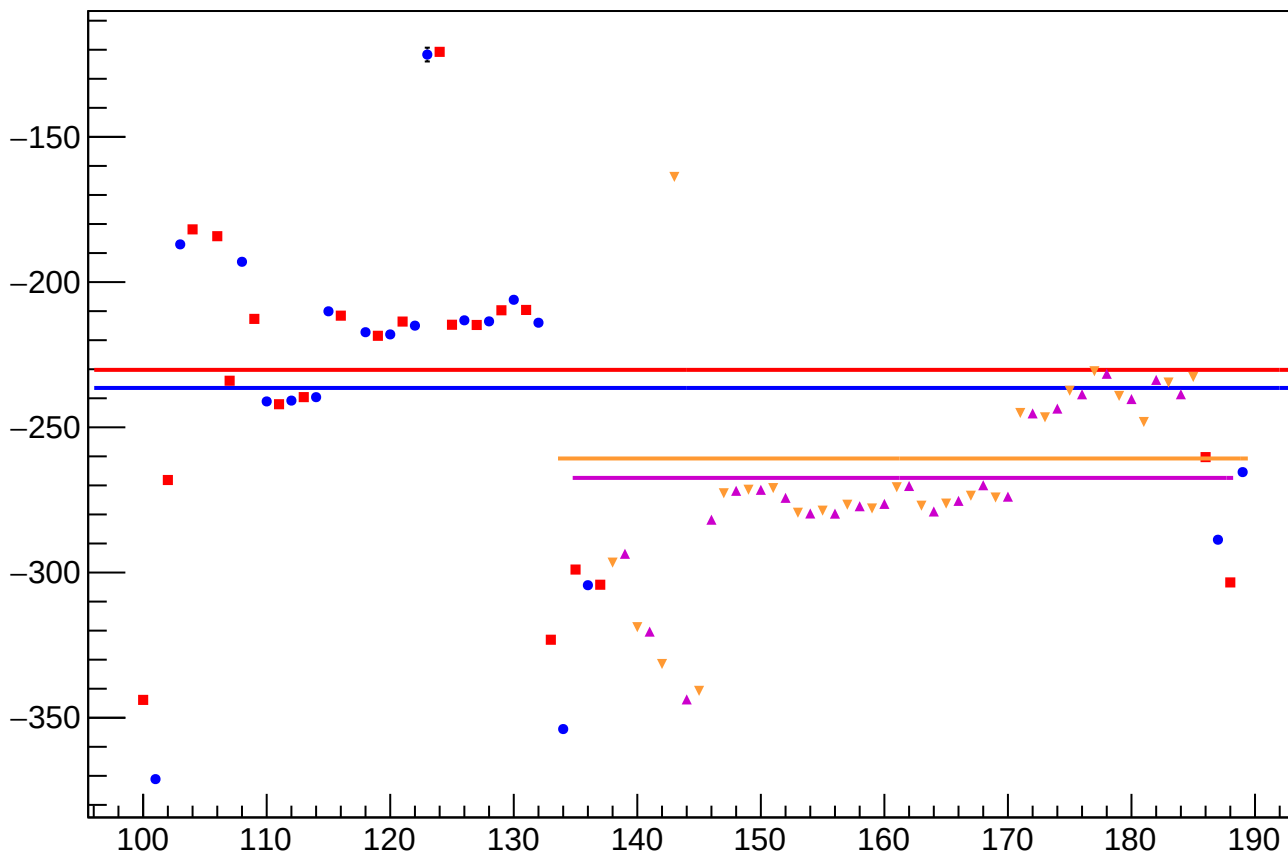
Right: 137.619 ± 1.820 $\chi^2/\text{NDF}: 1368.4/39$

In: 143.258 ± 1.449 $\chi^2/\text{NDF}: 1183.6/41$

Out: 134.941 ± 1.390 $\chi^2/\text{NDF}: 1375.5/45$

All: 138.929 ± 1.003 $\chi^2/\text{NDF}: 2576.2/87$

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -236.444+/-0.144 χ^2/NDF : 148996.1/18

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

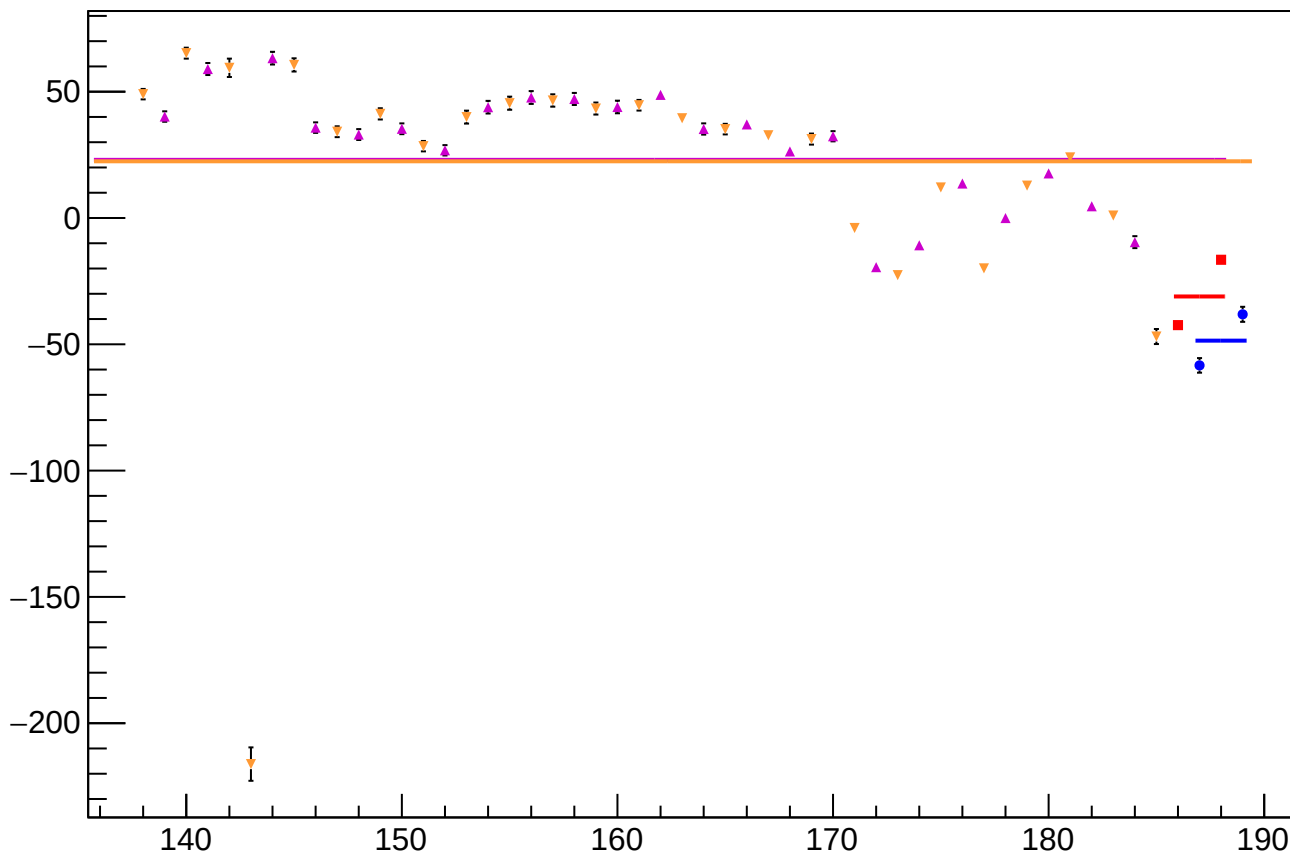
Right: -233.181+/-0.099 χ^2/NDF : 261484.4/39

In: -259.927+/-0.071 χ^2/NDF : 282942.7/41

Out: -253.057+/-0.069 χ^2/NDF : 368630.3/45

All: -256.393+/-0.049 χ^2/NDF : 656412.2/87

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -48.552 ± 2.074 $\chi^2/\text{NDF}: 23.7/1$

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 $\chi^2/\text{NDF}: 7756.7/47$

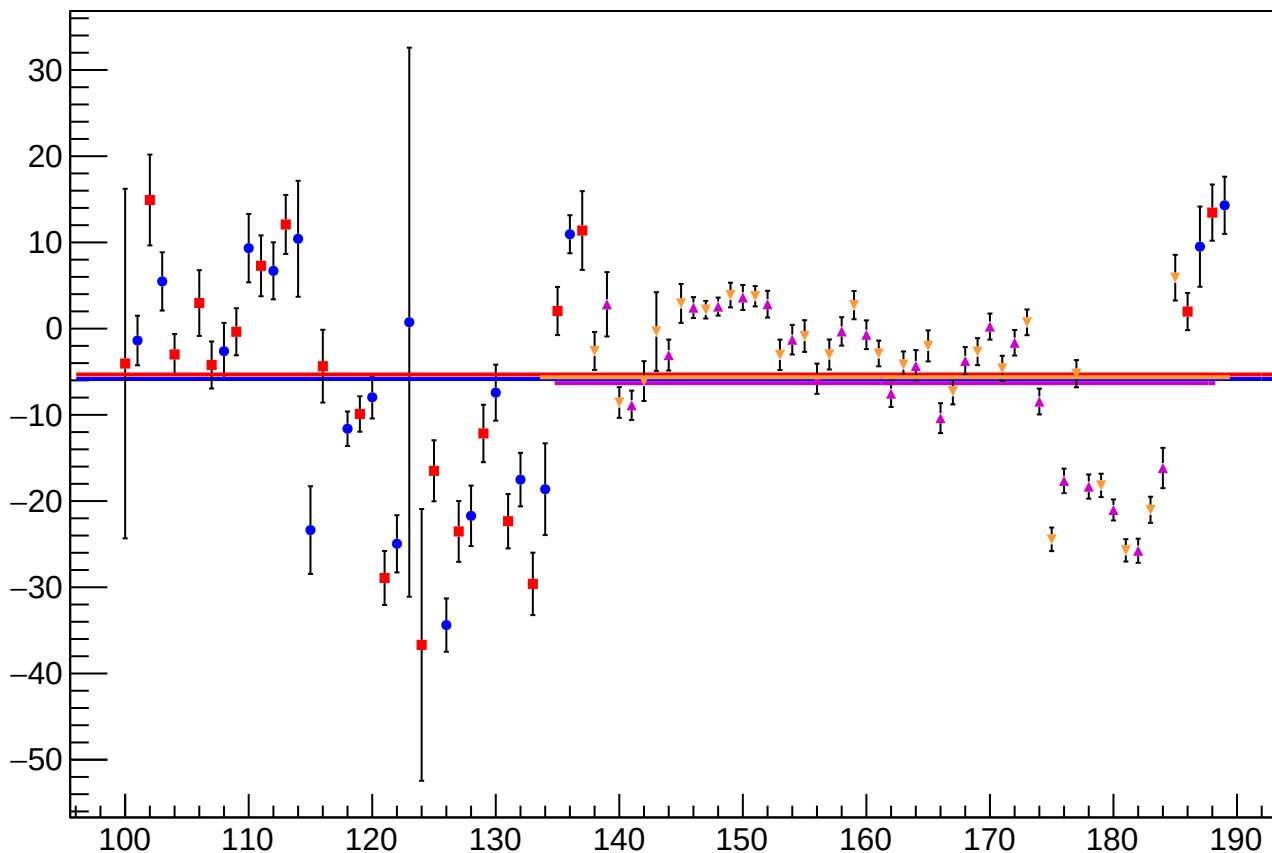
Right: -36.044 ± 1.107 $\chi^2/\text{NDF}: 170.9/3$

In: 20.455 ± 0.393 $\chi^2/\text{NDF}: 3991.9/24$

Out: 17.896 ± 0.382 $\chi^2/\text{NDF}: 6562.4/26$

All: 19.139 ± 0.274 $\chi^2/\text{NDF}: 10576.1/51$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.841 ± 0.748 χ^2/NDF : 335.3/18

Left Out: -5.639 ± 0.316 χ^2/NDF : 891.5/24

Right Out: -5.319 ± 0.702 χ^2/NDF : 308.4/20

Left In: -6.323 ± 0.320 χ^2/NDF : 784.4/22

Left: -5.976 ± 0.225 χ^2/NDF : 1678.2/47

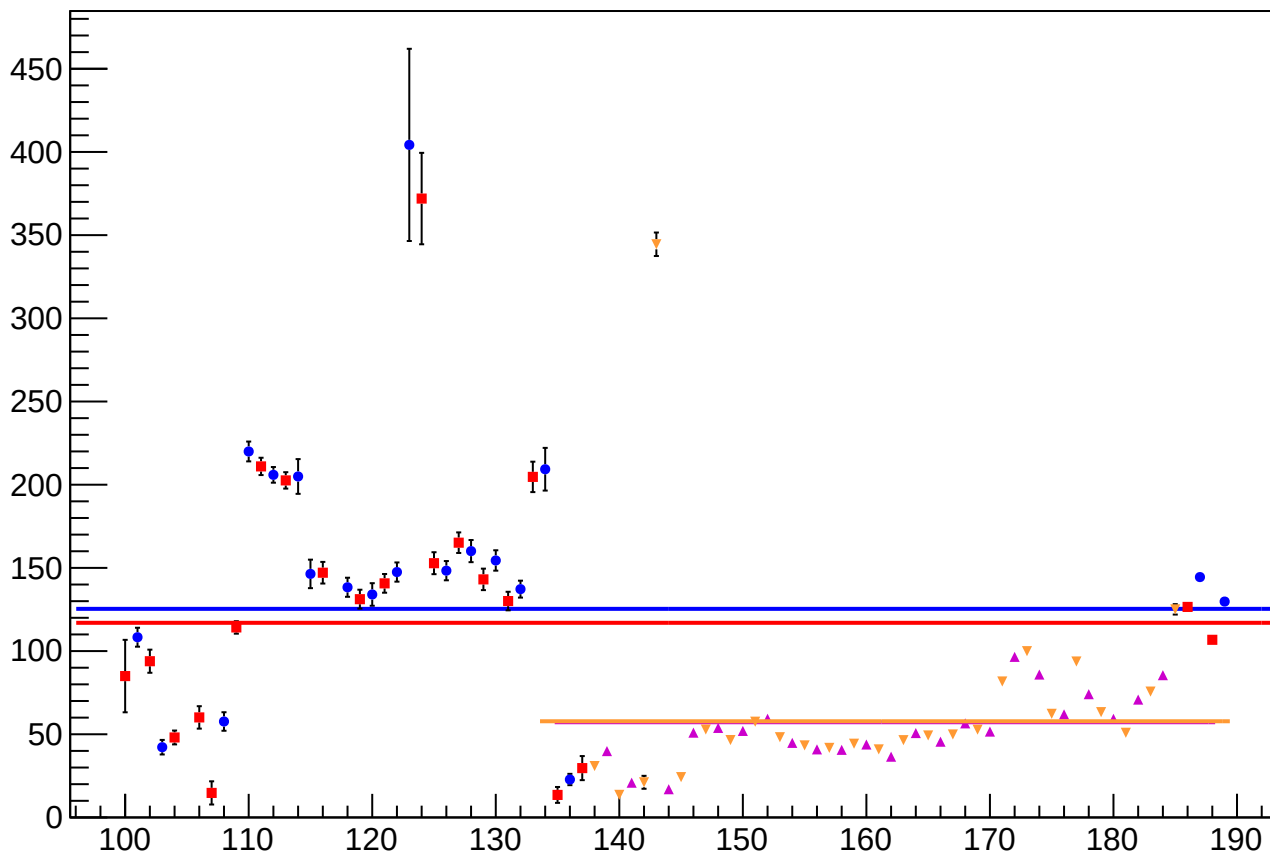
Right: -5.564 ± 0.512 χ^2/NDF : 643.9/39

In: -6.249 ± 0.294 χ^2/NDF : 1120.0/41

Out: -5.585 ± 0.288 χ^2/NDF : 1200.1/45

All: -5.909 ± 0.206 χ^2/NDF : 2322.7/87

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 125.381 $\pm$ 1.093 χ^2 /NDF: 2261.9/18

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

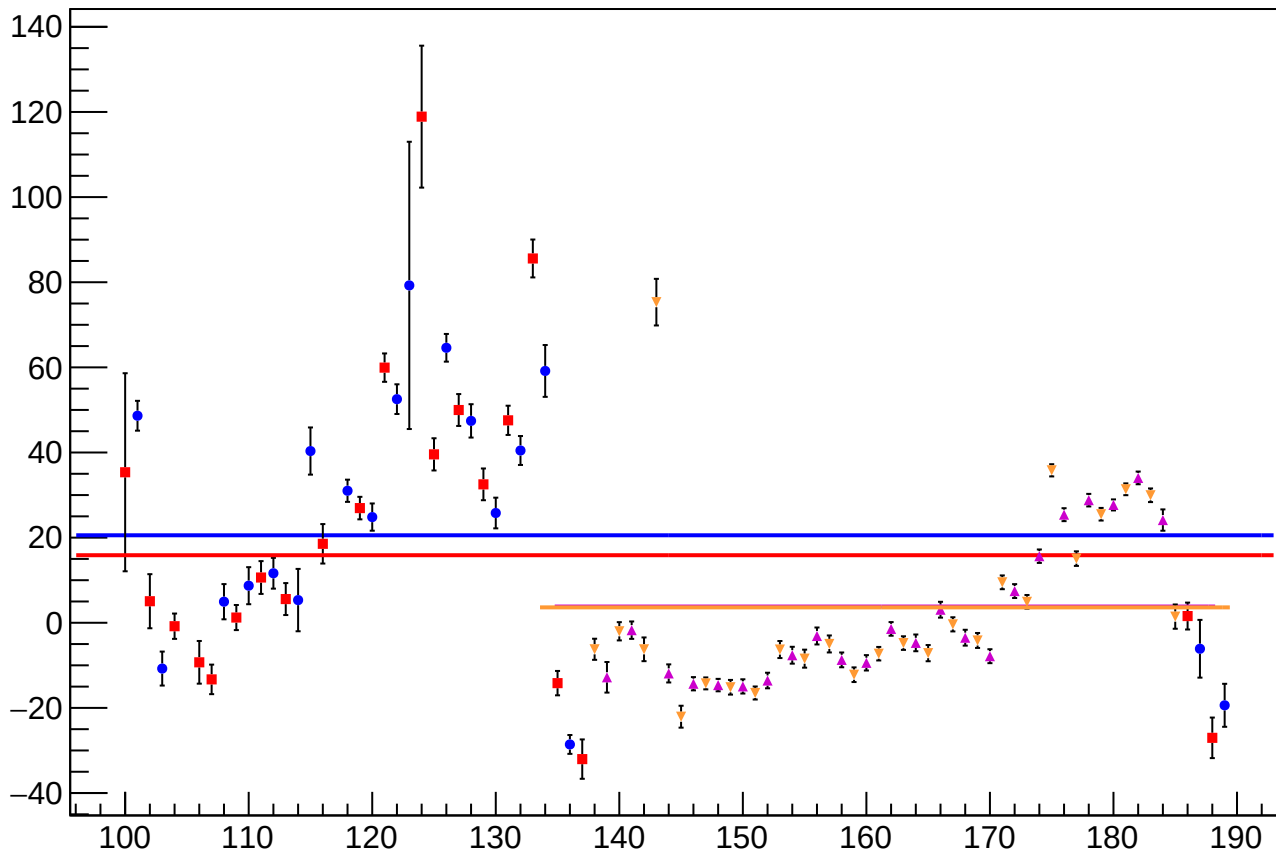
Right: 120.071 $\pm$ 0.662 χ^2 /NDF: 4538.5/39

In: 65.206 $\pm$ 0.374 χ^2 /NDF:7554.7/41

Out: 68.824 $\pm$ 0.359 χ^2 /NDF:10682.7/45

All: 67.088 $\pm$ 0.259 χ^2 /NDF: 18286.1/87

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.553 $\pm$ 0.868 χ^2 /NDF: 1153.1/18

Left Out: 3.615 $\pm$ 0.357 χ^2 /NDF:2501.2/24

Right Out: 15.869 $\pm$ 0.828 χ^2 /NDF: 1187.1/20

Left In: 3.812 $\pm$ 0.361 χ^2 /NDF:2203.5/22

Left: 3.712 $\pm$ 0.254 χ^2 /NDF: 4704.8/47

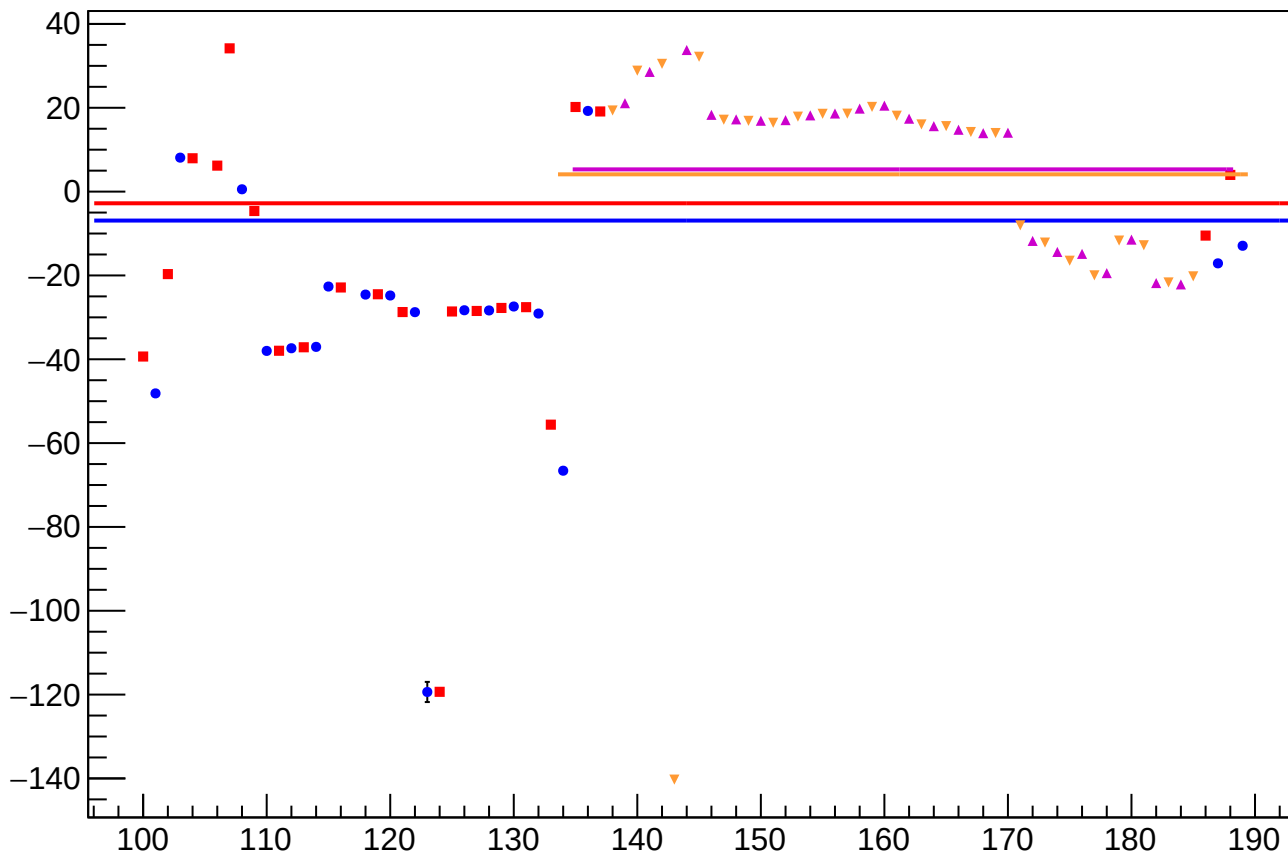
Right: 18.099 $\pm$ 0.599 χ^2 /NDF: 2355.4/39

In: 6.275 $\pm$ 0.333 χ^2 /NDF:3673.5/41

Out: 5.535 $\pm$ 0.328 χ^2 /NDF:3873.2/45

All: 5.899 $\pm$ 0.234 χ^2 /NDF: 7549.2/87

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.908 $\pm$ 0.045 χ^2 /NDF: 267383.1/18

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

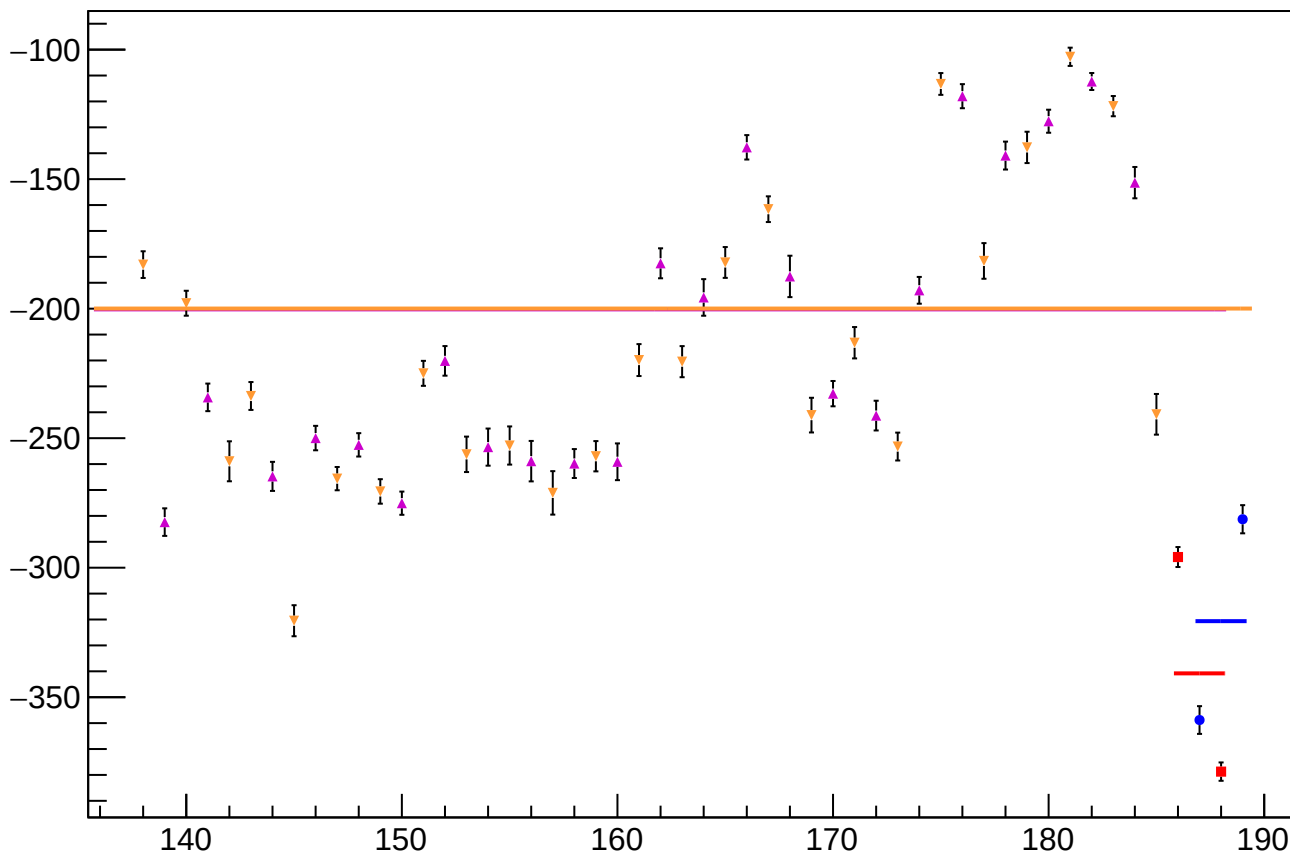
Right: -4.804 $\pm$ 0.031 χ^2 /NDF: 540101.0/39

In: 3.871 $\pm$ 0.015 χ^2 /NDF:1422517.3/41

Out: 3.277 $\pm$ 0.015 χ^2 /NDF:1630339.5/45

All: 3.573 $\pm$ 0.011 χ^2 /NDF: 3053604.3/87

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -320.636 $\pm$ 3.816 χ^2 /NDF: 103.1/1

Left Out: -199.957 $\pm$ 1.082 χ^2 /NDF:3220.5/24

Right Out: -340.795 $\pm$ 2.609 χ^2 /NDF: 250.3/1

Left In: -200.276 $\pm$ 1.093 χ^2 /NDF:3013.8/22

Left: -200.115 $\pm$ 0.769 χ^2 /NDF: 6234.3/47

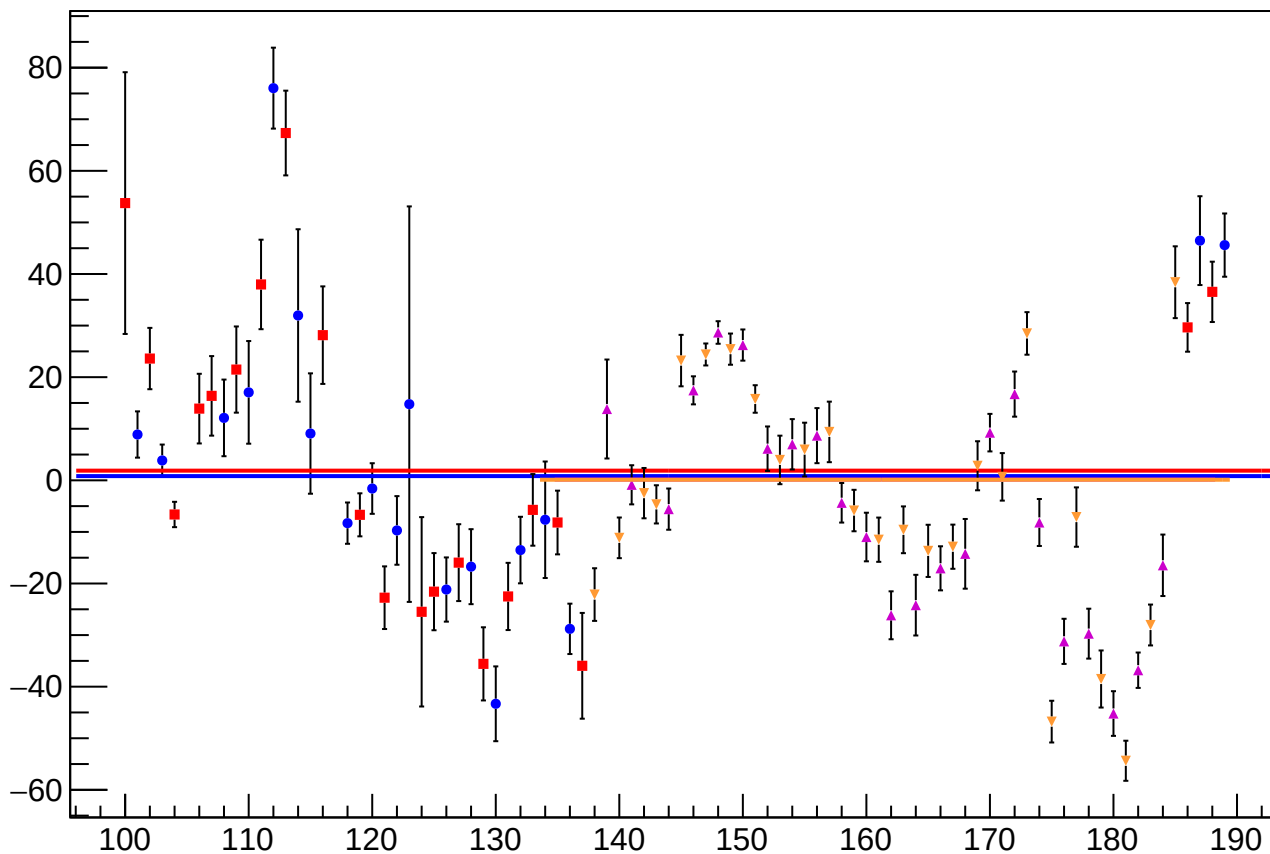
Right: -334.374 $\pm$ 2.154 χ^2 /NDF: 372.5/3

In: -209.408 $\pm$ 1.051 χ^2 /NDF:4036.4/24

Out: -220.615 $\pm$ 0.999 χ^2 /NDF:5958.0/26

All: -215.296 $\pm$ 0.724 χ^2 /NDF: 10054.1/51

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.820 ± 1.393 χ^2/NDF : 292.2/18

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

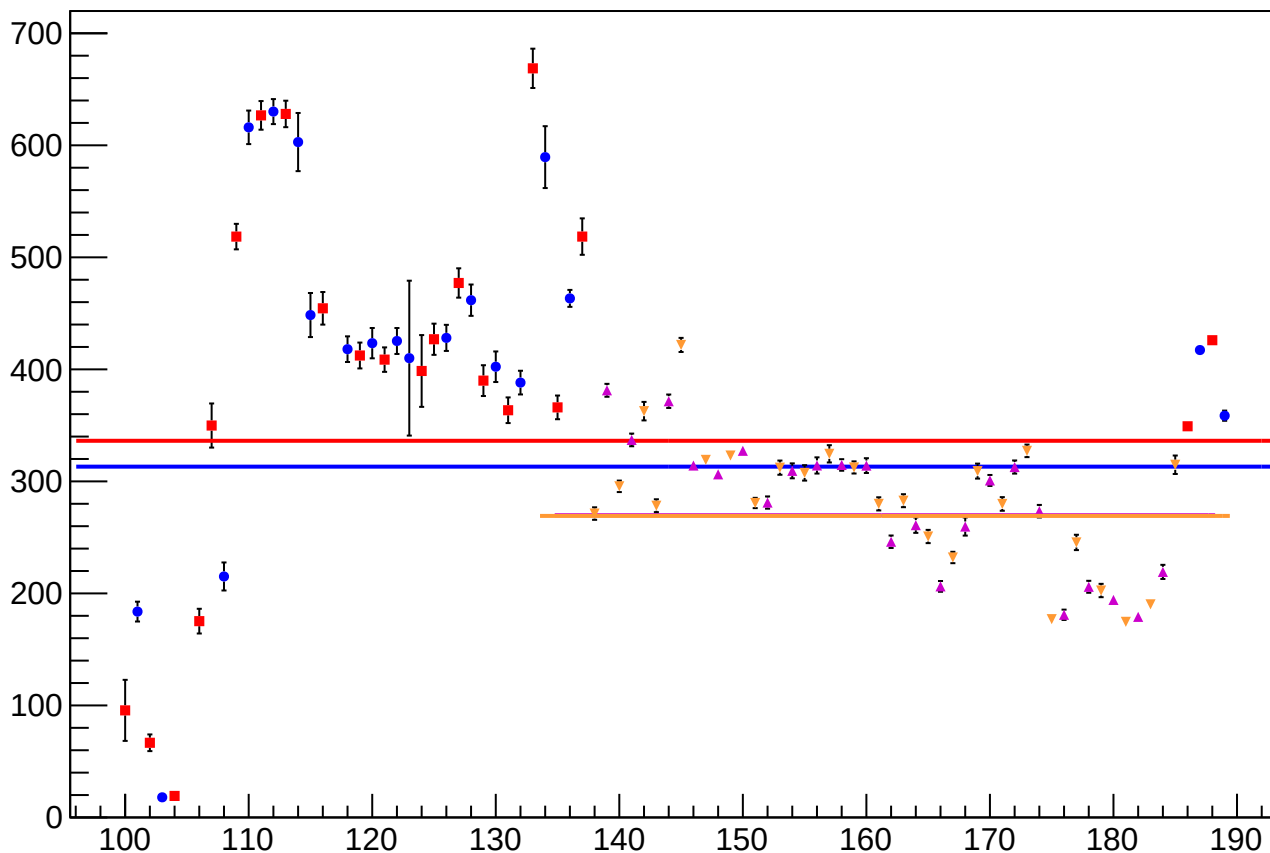
Right: 1.384 ± 0.953 χ^2/NDF : 590.5/39

In: 0.330 ± 0.717 χ^2/NDF : 1012.0/41

Out: 0.606 ± 0.689 χ^2/NDF : 1129.4/45

All: 0.473 ± 0.497 χ^2/NDF : 2141.5/87

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 313.159+/-1.950 χ^2/NDF : 8675.8/18

Left Out: 269.181+/-1.081 χ^2/NDF : 3148.5/24

Right Out: 336.241+/-1.594 χ^2/NDF : 10136.6/20

Left In: 269.798+/-1.087 χ^2/NDF : 3234.9/22

Left: 269.488+/-0.766 χ^2/NDF : 6383.6/47

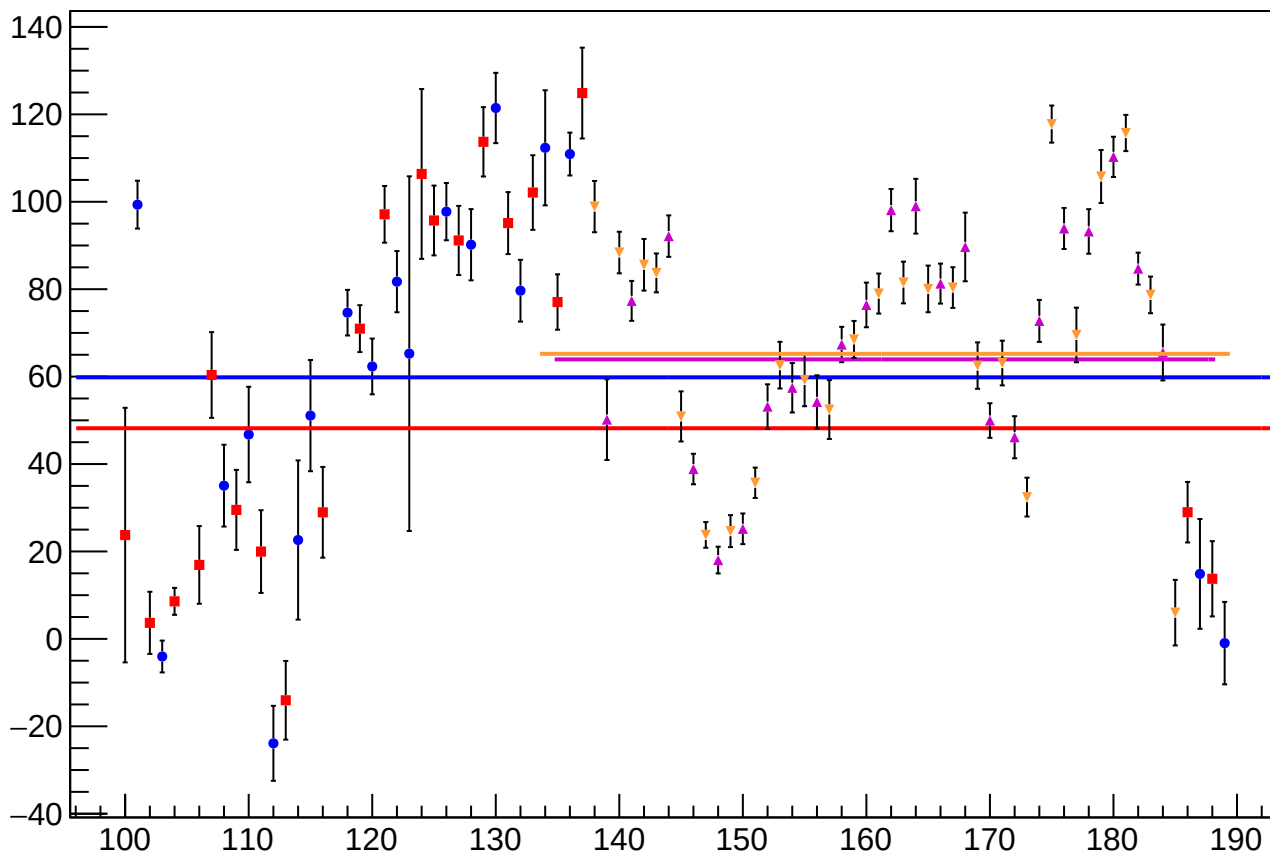
Right: 326.997+/-1.234 χ^2/NDF : 18896.5/39

In: 280.081+/-0.949 χ^2/NDF : 12288.1/41

Out: 290.312+/-0.894 χ^2/NDF : 14498.1/45

All: 285.501+/-0.651 χ^2/NDF : 26847.7/87

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 59.837+/-1.638 χ^2 /NDF: 779.5/18

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

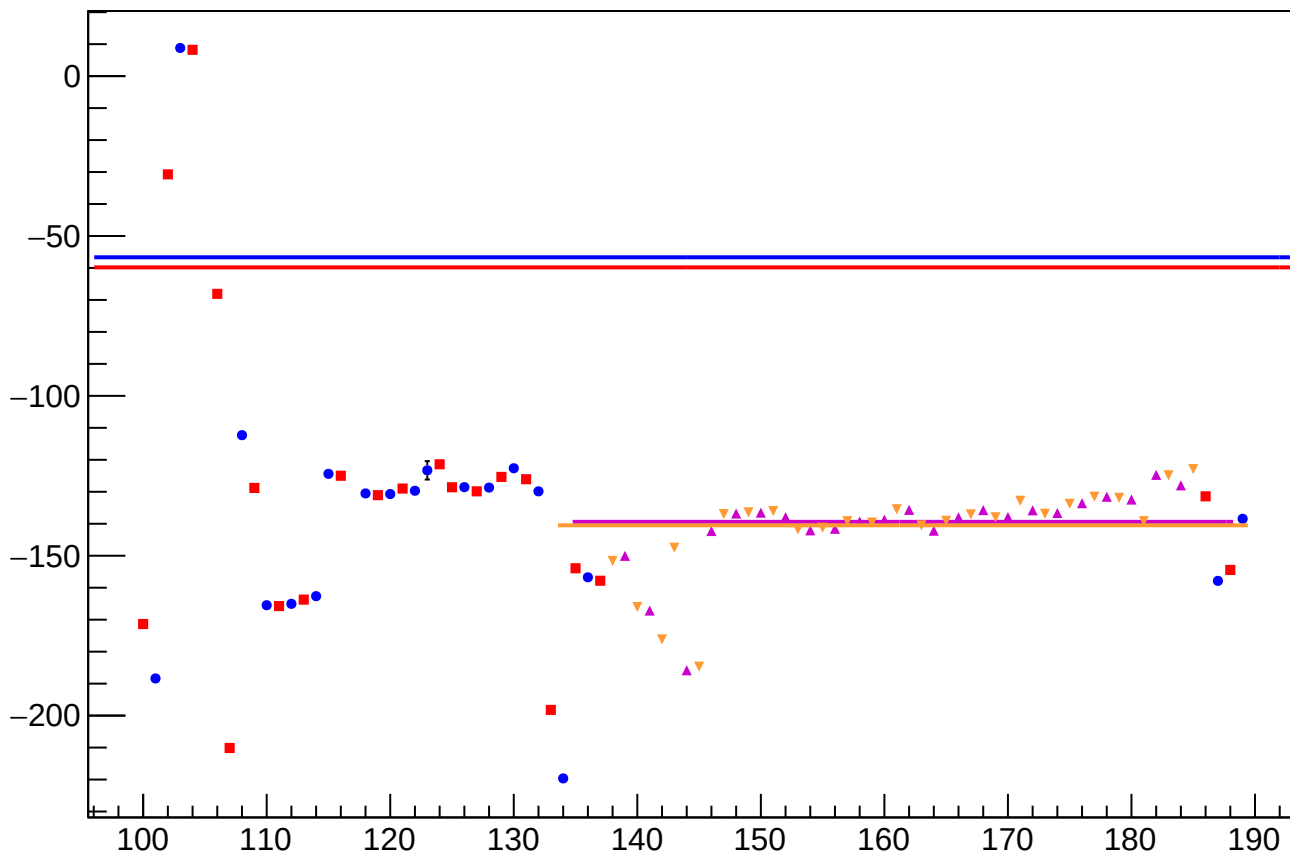
Right: 53.774+/-1.134 χ^2 /NDF: 1488.5/39

In: 62.893+/-0.829 χ^2 /NDF:1587.5/41

Out: 60.743+/-0.806 χ^2 /NDF:1774.9/45

All: 61.788+/-0.578 χ^2 /NDF: 3365.8/87

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -56.663 $\pm$ 0.069 χ^2/NDF : 1287322.1/18

Left Out: -140.489 $\pm$ 0.045 χ^2/NDF : 77350.7/24

Right Out: -59.814 $\pm$ 0.070 χ^2/NDF : 1045573.8/20

Left In: -139.406 $\pm$ 0.045 χ^2/NDF : 62878.4/22

Left: -139.949 $\pm$ 0.032 χ^2/NDF : 140521.6/47

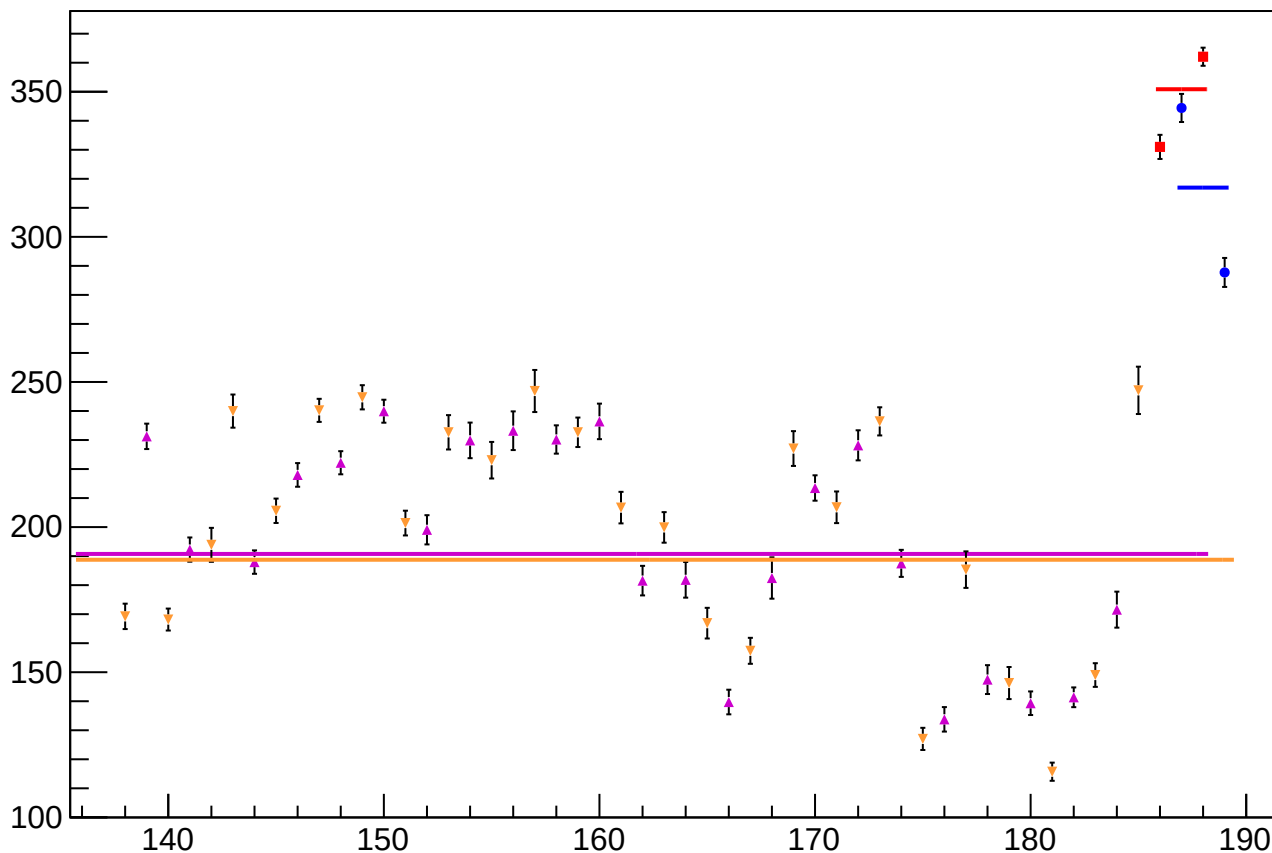
Right: -58.214 $\pm$ 0.049 χ^2/NDF : 2333920.6/39

In: -114.869 $\pm$ 0.038 χ^2/NDF : 2360102.6/41

Out: -117.200 $\pm$ 0.038 χ^2/NDF : 2063584.6/45

All: -116.032 $\pm$ 0.027 χ^2/NDF : 4425603.9/87

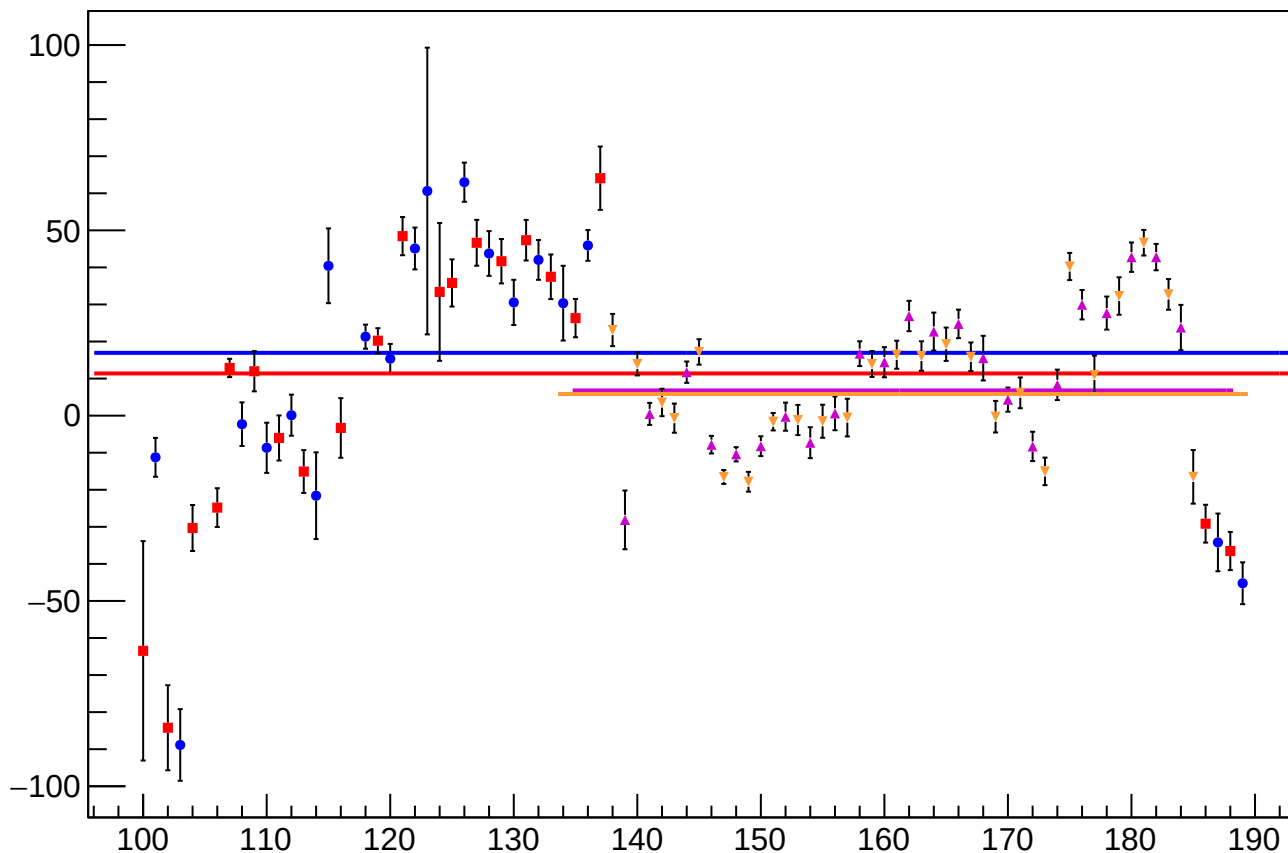
reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 316.967 $\pm$ 3.476 χ^2 /NDF: 66.4/1
 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: 339.336 $\pm$ 2.027 χ^2 /NDF: 164.9/3
 In: 199.888 $\pm$ 0.935 χ^2 /NDF:2711.1/24
 Out: 209.578 $\pm$ 0.894 χ^2 /NDF:5683.0/26
 All: 204.949 $\pm$ 0.646 χ^2 /NDF: 8450.2/51

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.947 ± 1.316 $\chi^2/\text{NDF}: 564.8/18$

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 $\chi^2/\text{NDF}: 1177.3/47$

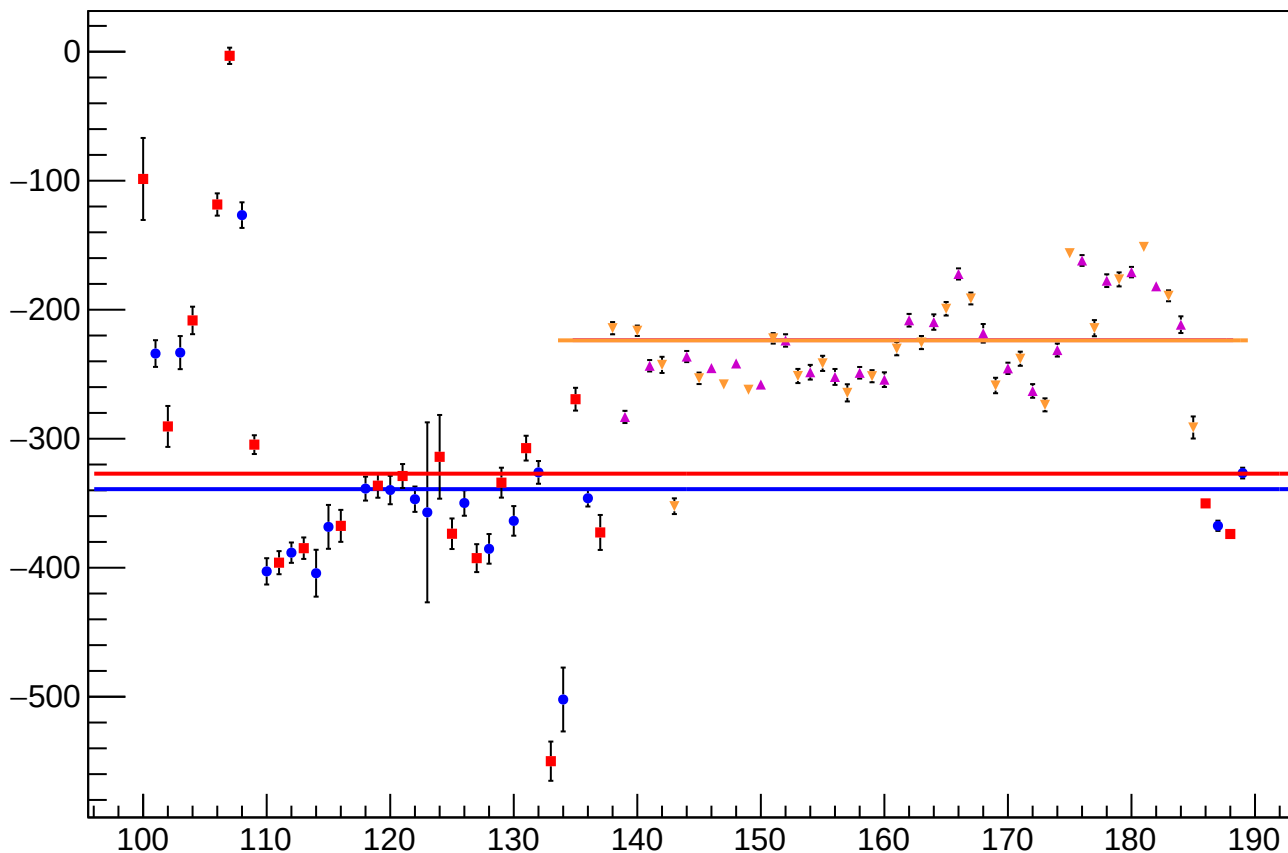
Right: 13.829 ± 0.872 $\chi^2/\text{NDF}: 1167.2/39$

In: 9.210 ± 0.641 $\chi^2/\text{NDF}: 1136.0/41$

Out: 7.365 ± 0.609 $\chi^2/\text{NDF}: 1259.5/45$

All: 8.240 ± 0.442 $\chi^2/\text{NDF}: 2399.8/87$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -339.092 $\pm$ 1.912 χ^2 /NDF: 852.5/18

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

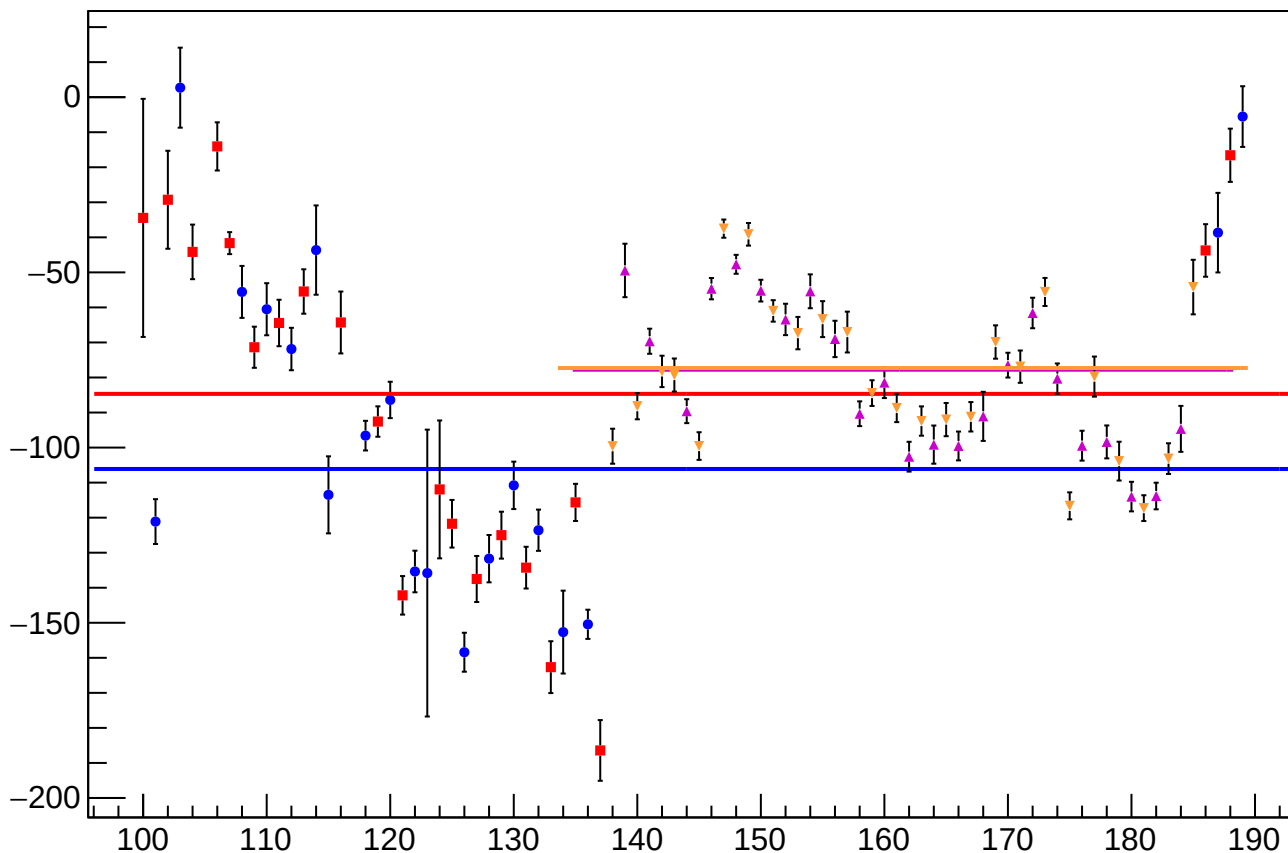
Right: -331.730 $\pm$ 1.189 χ^2 /NDF: 5119.1/39

In: -247.032 $\pm$ 0.862 χ^2 /NDF:5048.4/41

Out: -253.191 $\pm$ 0.810 χ^2 /NDF:9579.0/45

All: -250.302 $\pm$ 0.590 χ^2 /NDF: 14654.6/87

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.107 ± 1.538 χ^2/NDF : 692.2/18

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

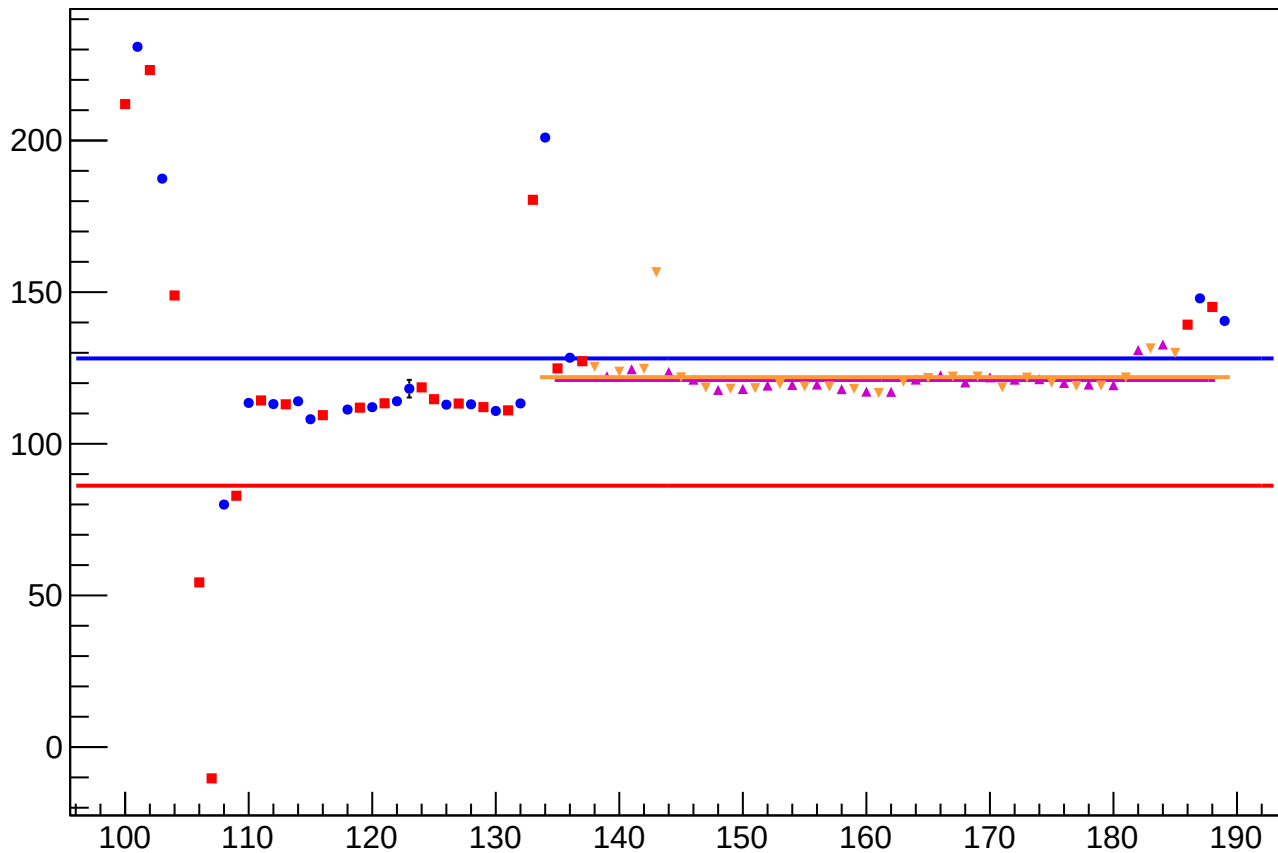
Right: -94.275 ± 1.029 χ^2/NDF : 1886.8/39

In: -84.367 ± 0.742 χ^2/NDF : 1577.1/41

Out: -79.240 ± 0.711 χ^2/NDF : 1952.9/45

All: -81.696 ± 0.513 χ^2/NDF : 3554.8/87

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 128.145 $\pm$ 0.086 χ^2 /NDF: 190032.3/18

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

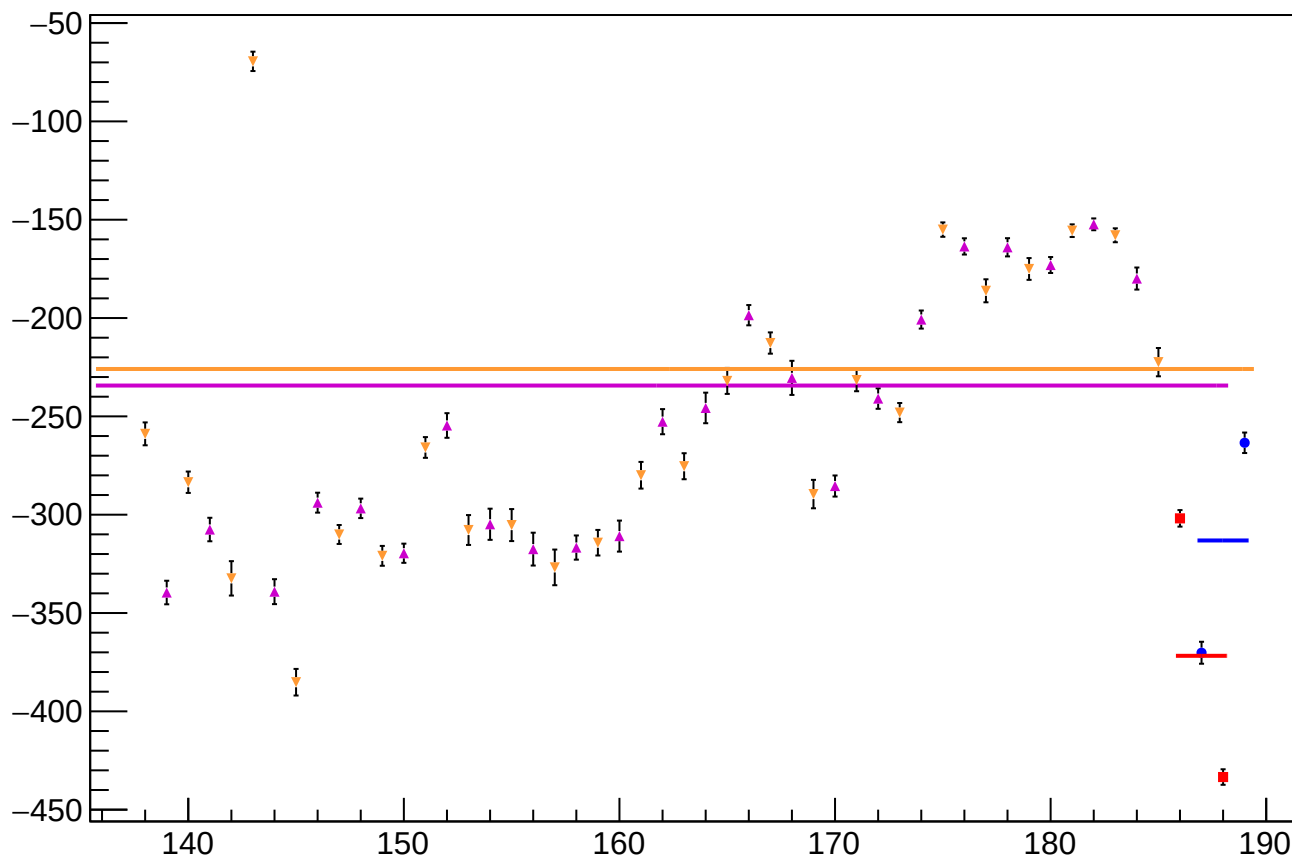
Right: 103.738 $\pm$ 0.056 χ^2 /NDF: 1131104.9/39

In: 122.281 $\pm$ 0.036 χ^2 /NDF: 203539.9/41

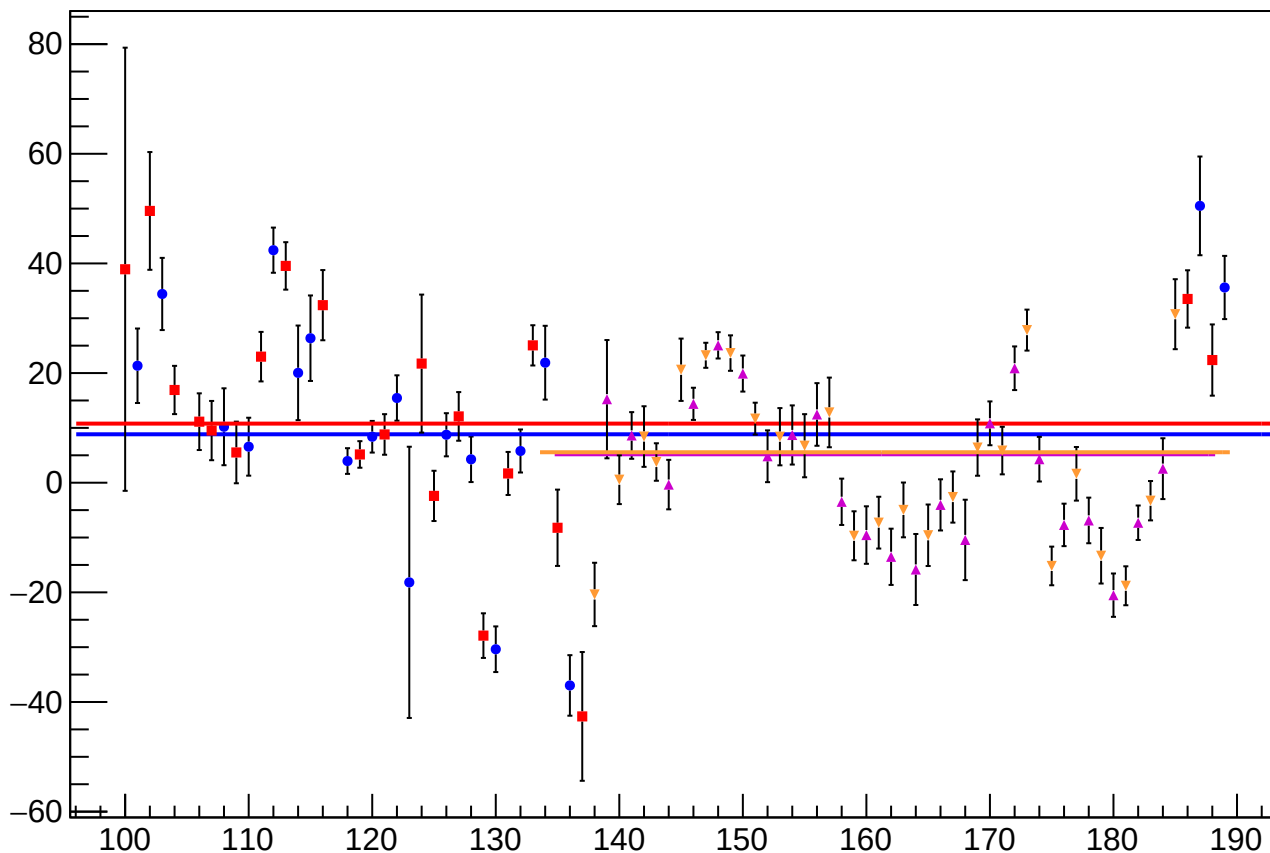
Out: 113.885 $\pm$ 0.035 χ^2 /NDF: 1016195.3/45

All: 117.940 $\pm$ 0.025 χ^2 /NDF: 1247927.6/87

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.833 ± 1.058 χ^2/NDF : 306.1/18

Left Out: 5.558 ± 0.832 χ^2/NDF : 313.4/24

Right Out: 10.781 ± 1.039 χ^2/NDF : 255.0/20

Left In: 5.186 ± 0.867 χ^2/NDF : 243.2/22

Left: 5.380 ± 0.600 χ^2/NDF : 556.7/47

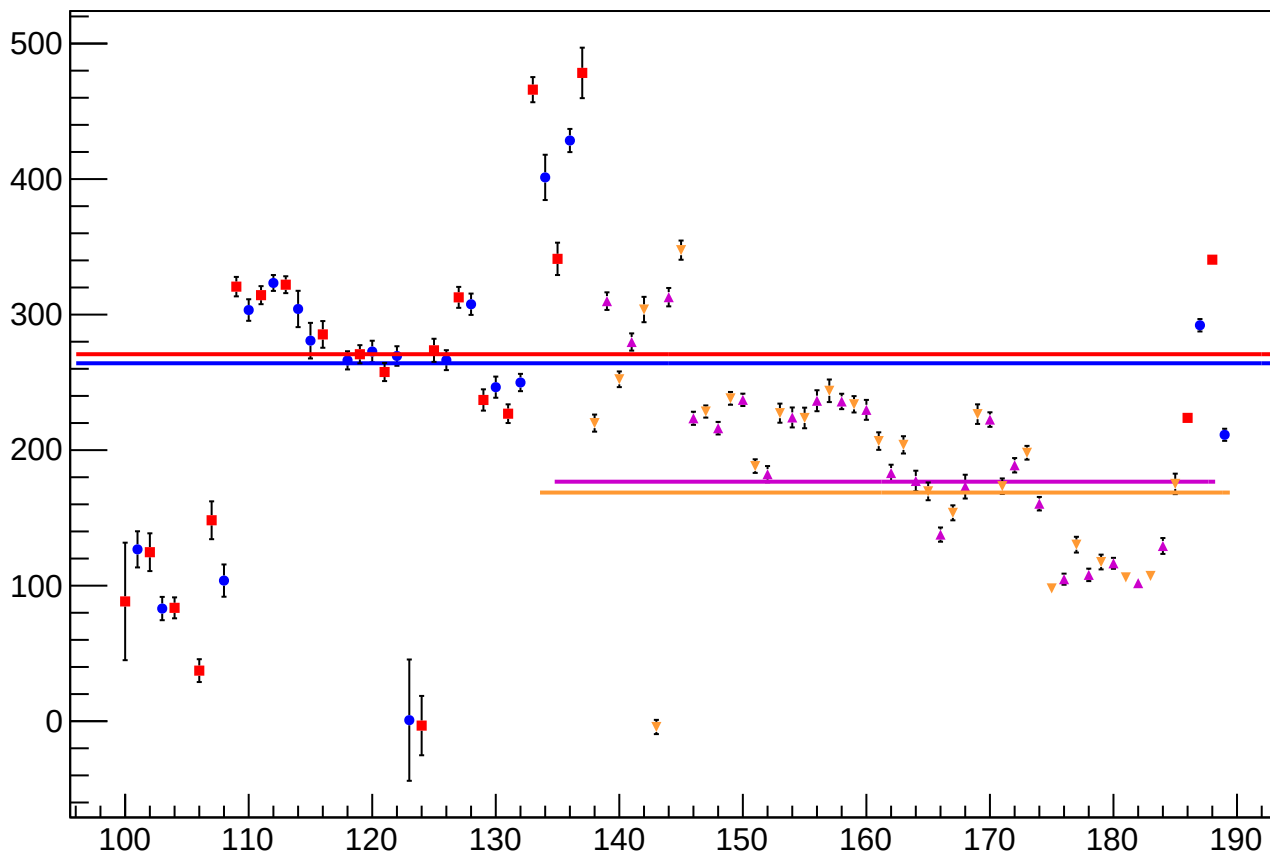
Right: 9.824 ± 0.741 χ^2/NDF : 562.8/39

In: 6.651 ± 0.670 χ^2/NDF : 556.3/41

Out: 7.599 ± 0.649 χ^2/NDF : 583.9/45

All: 7.140 ± 0.466 χ^2/NDF : 1141.2/87

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 264.095 $\pm$ 1.739 χ^2/NDF : 1558.7/18

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

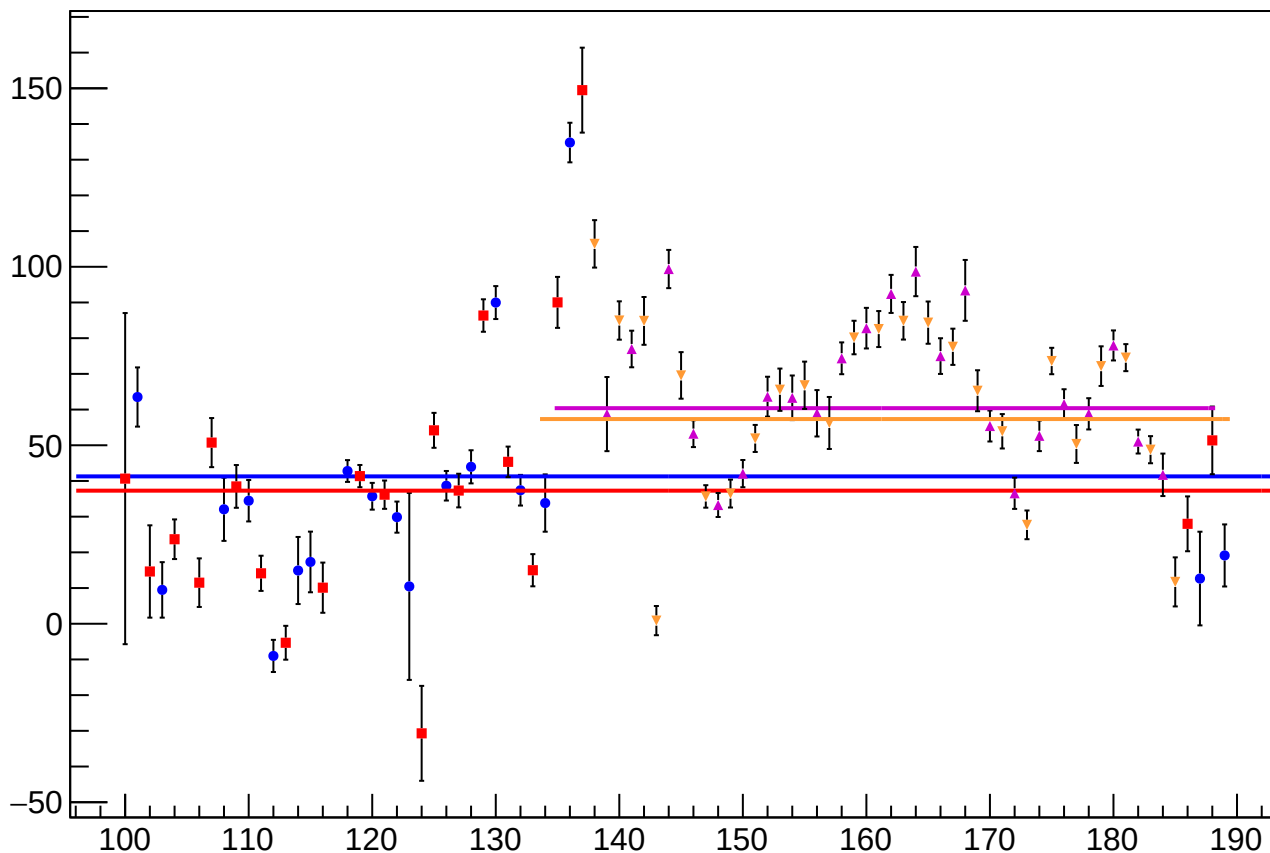
Right: 267.919 $\pm$ 1.137 χ^2/NDF : 4811.0/39

In: 201.748 $\pm$ 0.931 χ^2/NDF : 6595.1/41

Out: 203.720 $\pm$ 0.881 χ^2/NDF : 10510.7/45

All: 202.789 $\pm$ 0.640 χ^2/NDF : 17108.2/87

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.283 ± 1.237 $\chi^2/\text{NDF}: 587.1/18$

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 $\chi^2/\text{NDF}: 987.6/47$

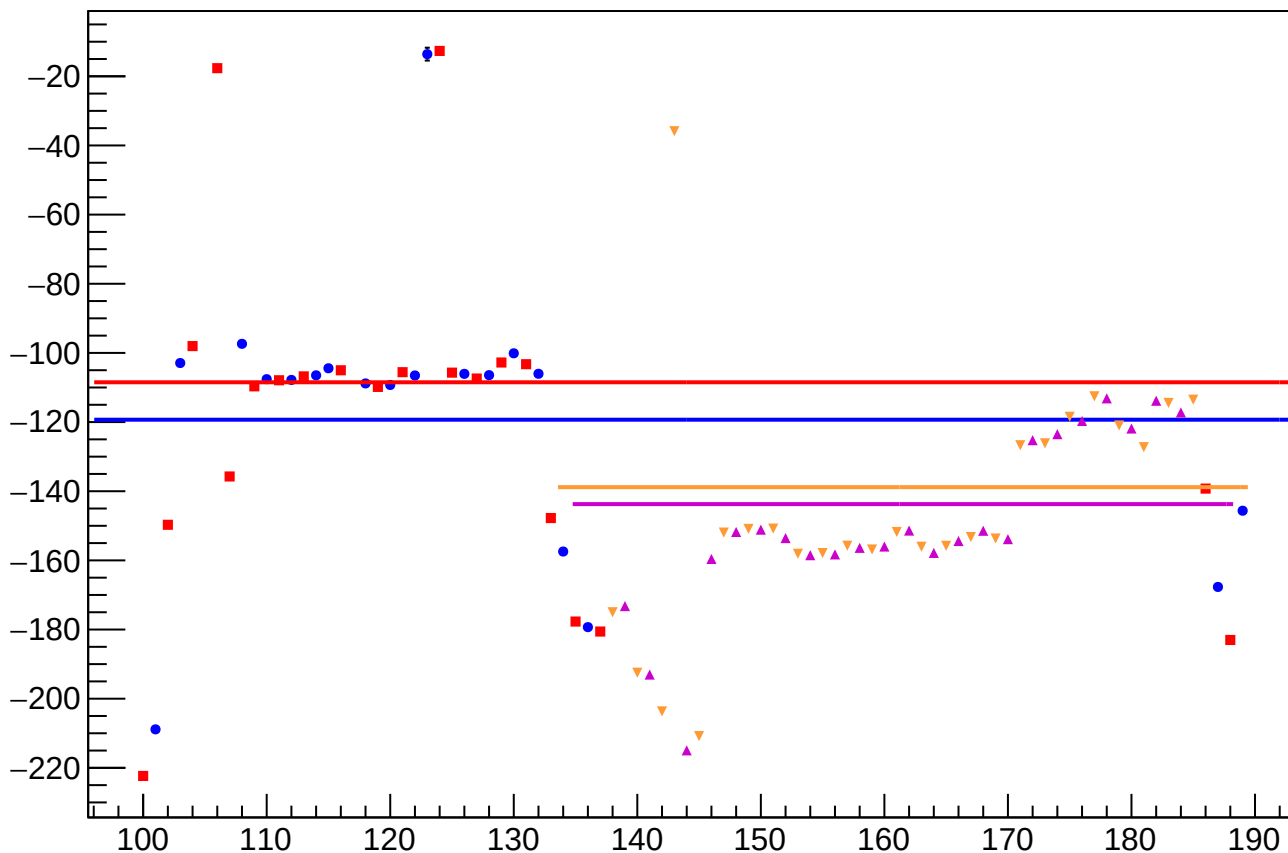
Right: 39.241 ± 0.865 $\chi^2/\text{NDF}: 1068.8/39$

In: 52.957 ± 0.772 $\chi^2/\text{NDF}: 1074.2/41$

Out: 49.643 ± 0.751 $\chi^2/\text{NDF}: 1286.7/45$

All: 51.254 ± 0.538 $\chi^2/\text{NDF}: 2370.4/87$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -119.315 ± 0.076 χ^2/NDF : 152285.2/18

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

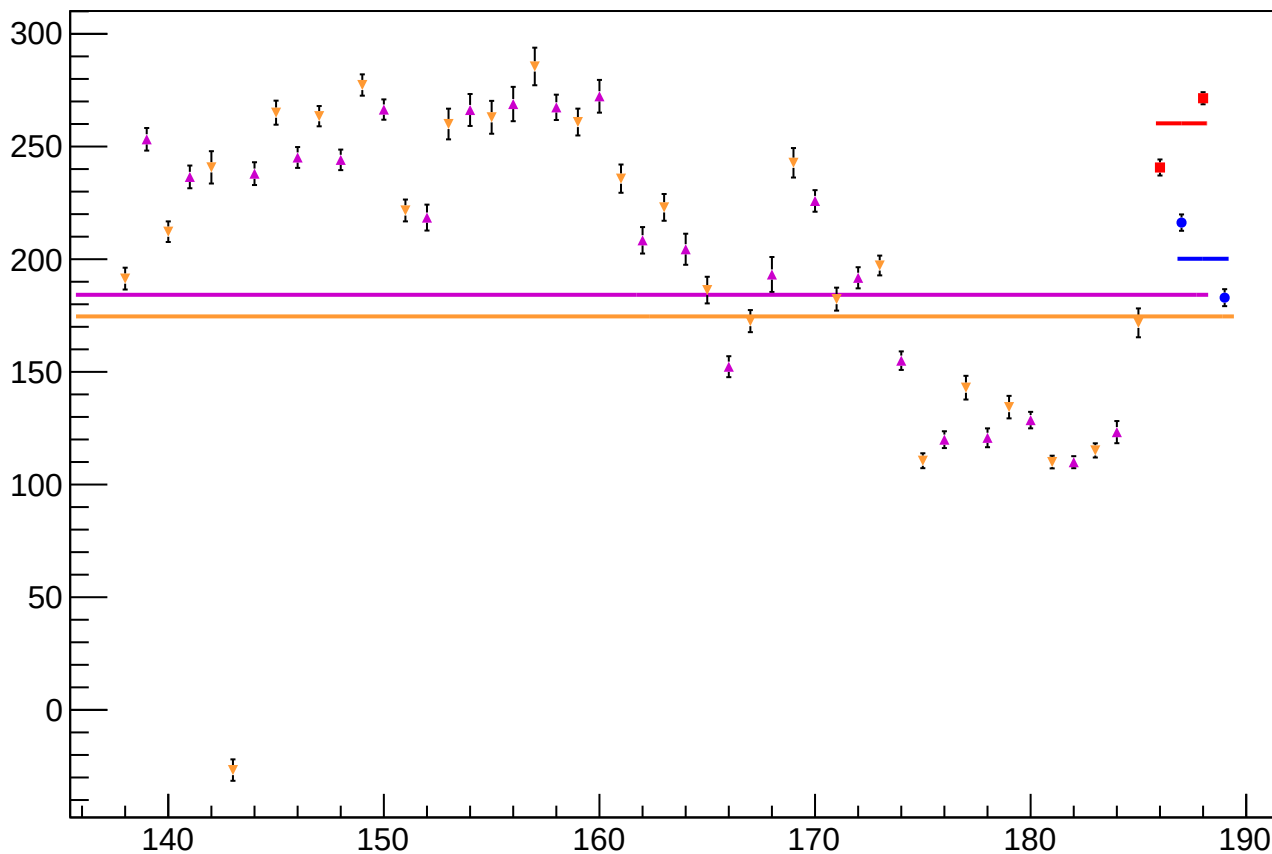
Right: -113.566 ± 0.052 χ^2/NDF : 520646.5/39

In: -137.175 ± 0.039 χ^2/NDF : 489162.4/41

Out: -130.080 ± 0.038 χ^2/NDF : 1012231.7/45

All: -133.532 ± 0.027 χ^2/NDF : 1518156.0/87

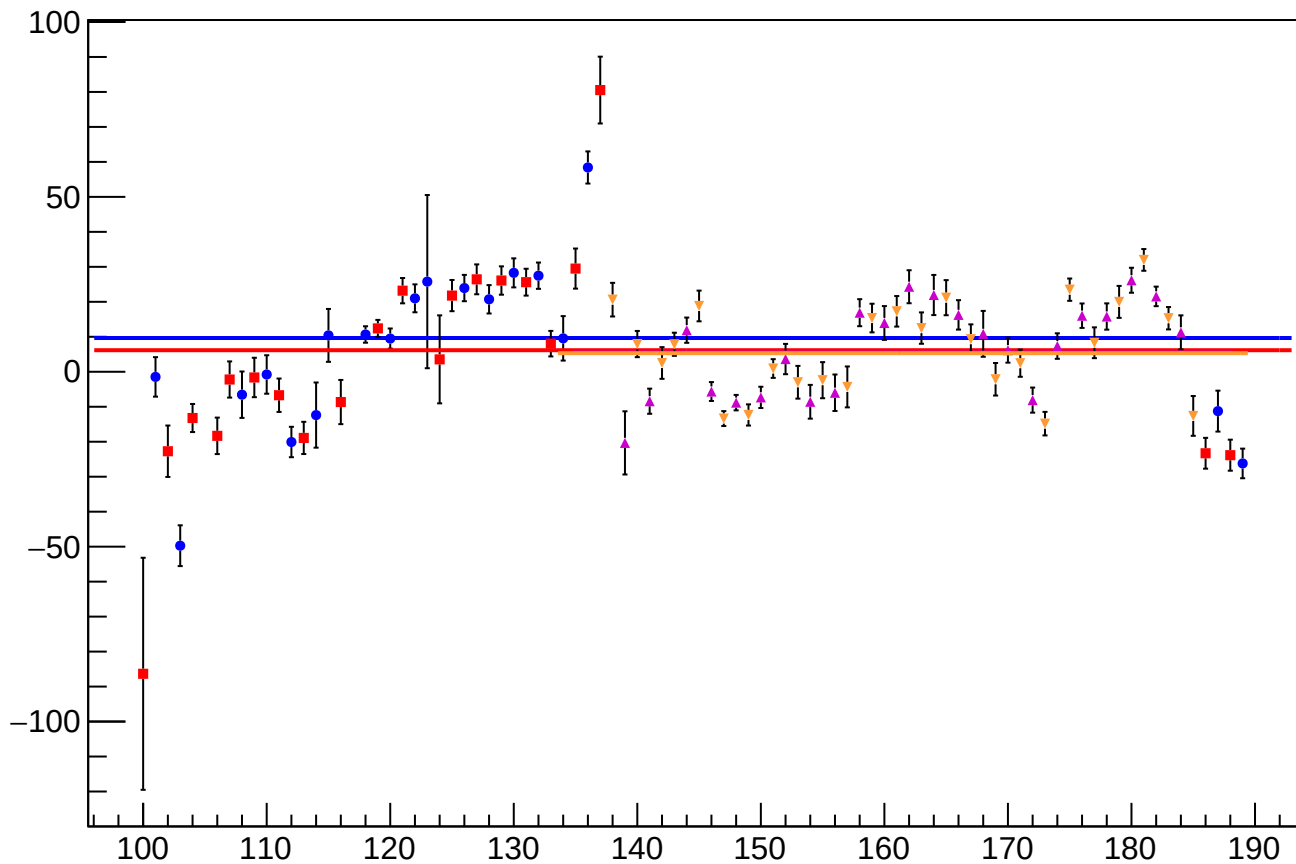
reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 200.197 $\pm$ 2.614 χ^2 /NDF: 40.5/1
 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: 236.124 $\pm$ 1.658 χ^2 /NDF: 404.0/3
 In: 186.200 $\pm$ 0.923 χ^2 /NDF:3710.4/24
 Out: 189.147 $\pm$ 0.883 χ^2 /NDF:6925.1/26
 All: 187.739 $\pm$ 0.638 χ^2 /NDF: 10640.8/51

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.651 $\pm$ 1.009 χ^2 /NDF: 439.9/18

Left Out: 5.314 $\pm$ 0.750 χ^2 /NDF:345.1/24

Right Out: 6.163 $\pm$ 0.996 χ^2 /NDF: 396.9/20

Left In: 5.483 $\pm$ 0.779 χ^2 /NDF:259.1/22

Left: 5.396 $\pm$ 0.540 χ^2 /NDF: 604.2/47

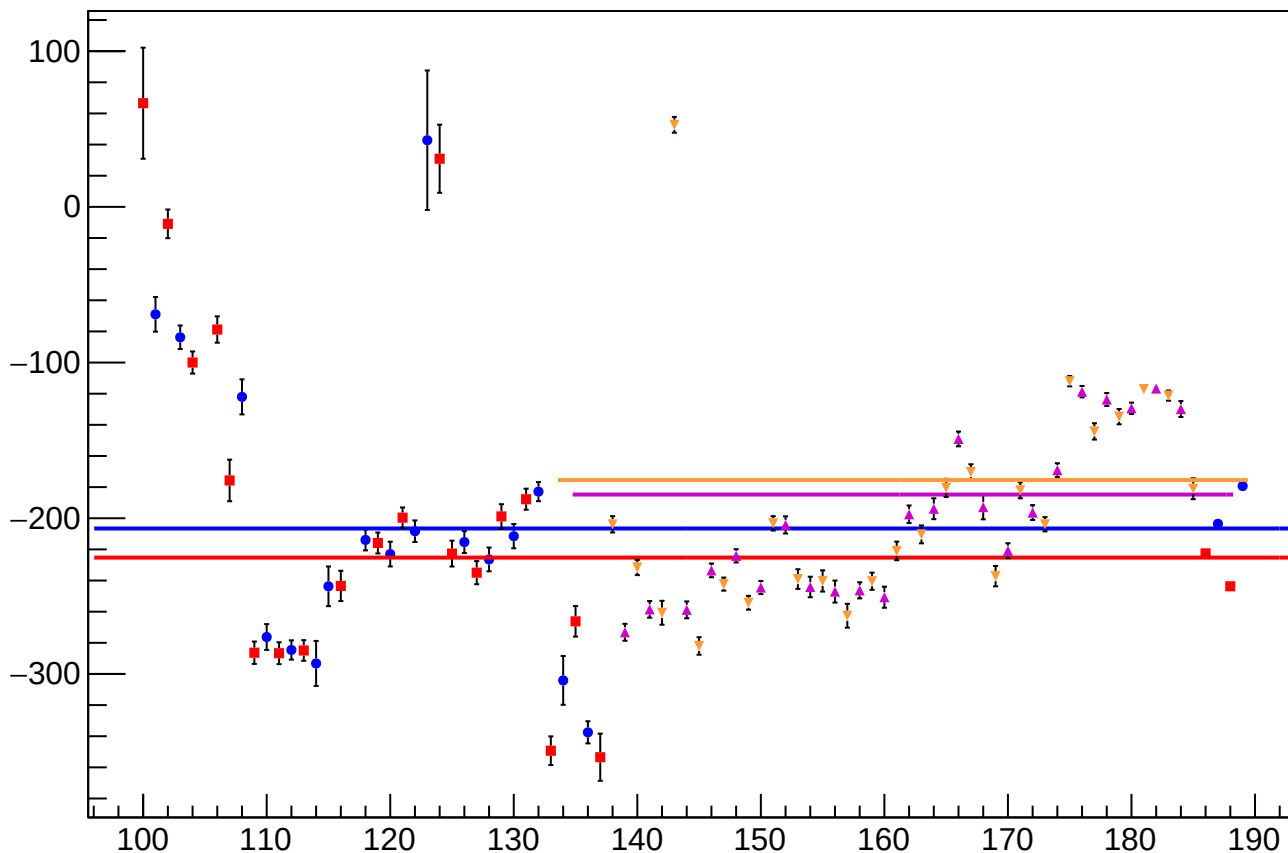
Right: 7.884 $\pm$ 0.709 χ^2 /NDF: 842.8/39

In: 7.040 $\pm$ 0.617 χ^2 /NDF:709.6/41

Out: 5.621 $\pm$ 0.599 χ^2 /NDF:742.5/45

All: 6.311 $\pm$ 0.430 χ^2 /NDF: 1454.8/87

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -206.574 ± 1.473 $\chi^2/\text{NDF}: 1260.1/18$

Left Out: -175.470 ± 0.974 $\chi^2/\text{NDF}: 5103.8/24$

Right Out: -225.272 ± 1.284 $\chi^2/\text{NDF}: 2007.3/20$

Left In: -184.774 ± 0.987 $\chi^2/\text{NDF}: 3082.4/22$

Left: -180.060 ± 0.693 $\chi^2/\text{NDF}: 8231.2/47$

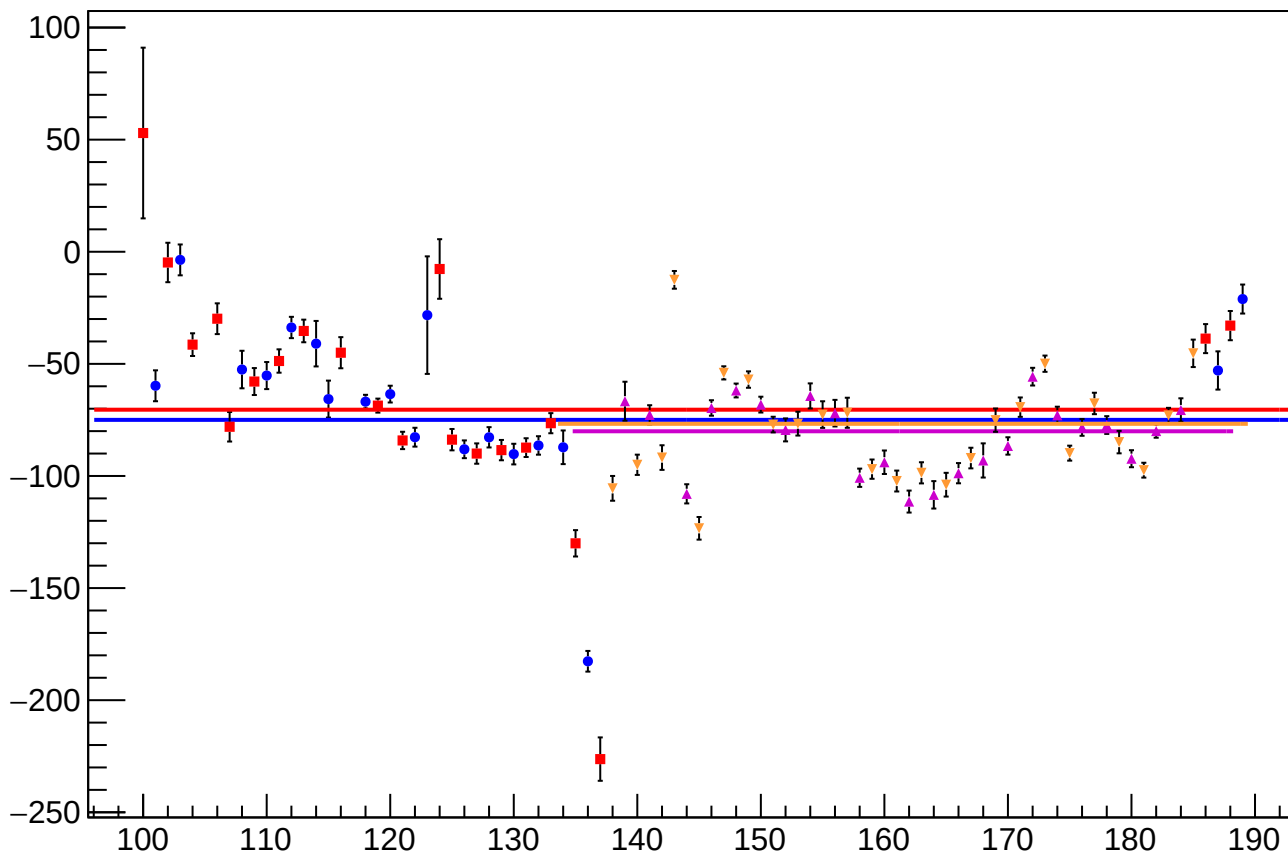
Right: -217.199 ± 0.968 $\chi^2/\text{NDF}: 3358.9/39$

In: -191.530 ± 0.820 $\chi^2/\text{NDF}: 4493.7/41$

Out: -193.661 ± 0.776 $\chi^2/\text{NDF}: 8066.4/45$

All: -192.654 ± 0.564 $\chi^2/\text{NDF}: 12563.6/87$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -74.976 ± 1.187 $\chi^2/\text{NDF}: 897.1/18$

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 $\chi^2/\text{NDF}: 1040.8/47$

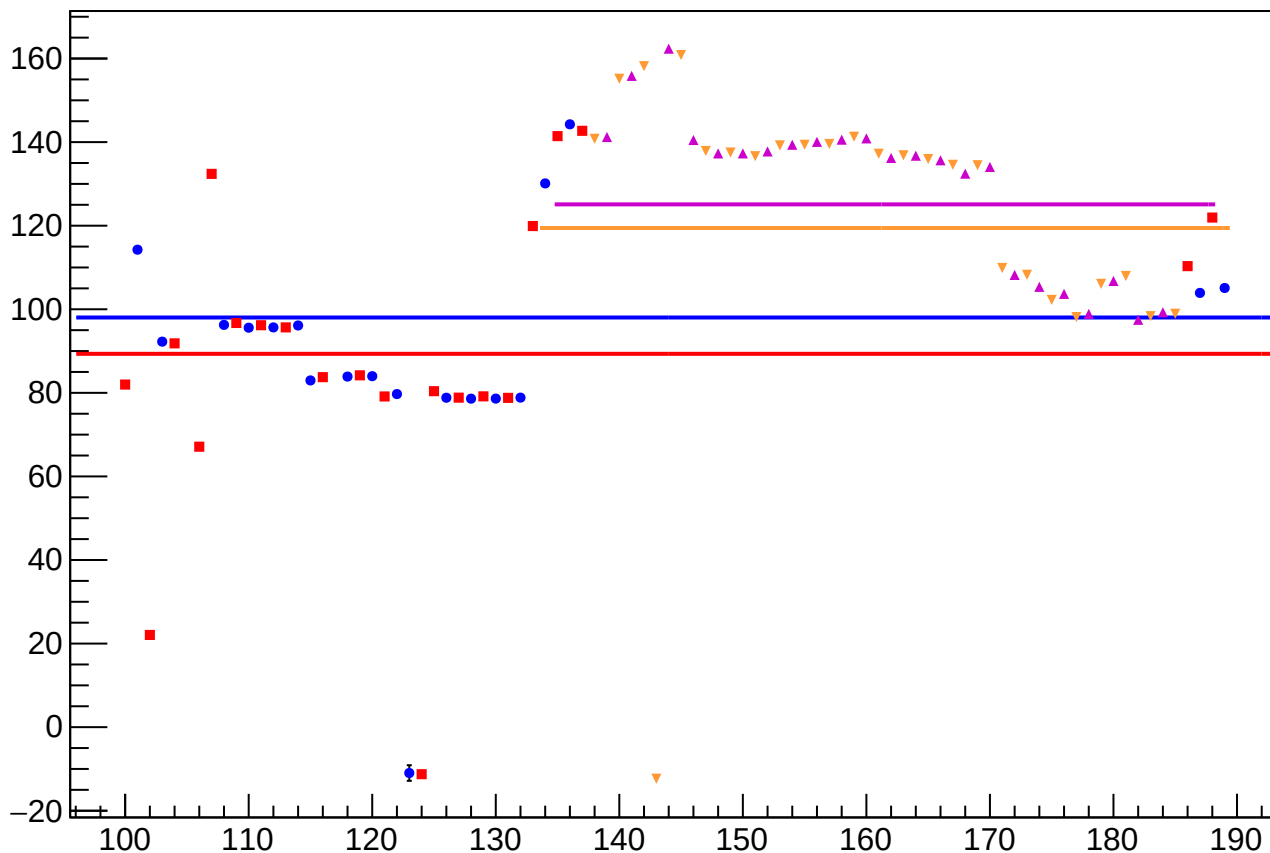
Right: -72.675 ± 0.833 $\chi^2/\text{NDF}: 1638.4/39$

In: -78.245 ± 0.710 $\chi^2/\text{NDF}: 1195.7/41$

Out: -74.530 ± 0.693 $\chi^2/\text{NDF}: 1499.5/45$

All: -76.342 ± 0.496 $\chi^2/\text{NDF}: 2709.3/87$

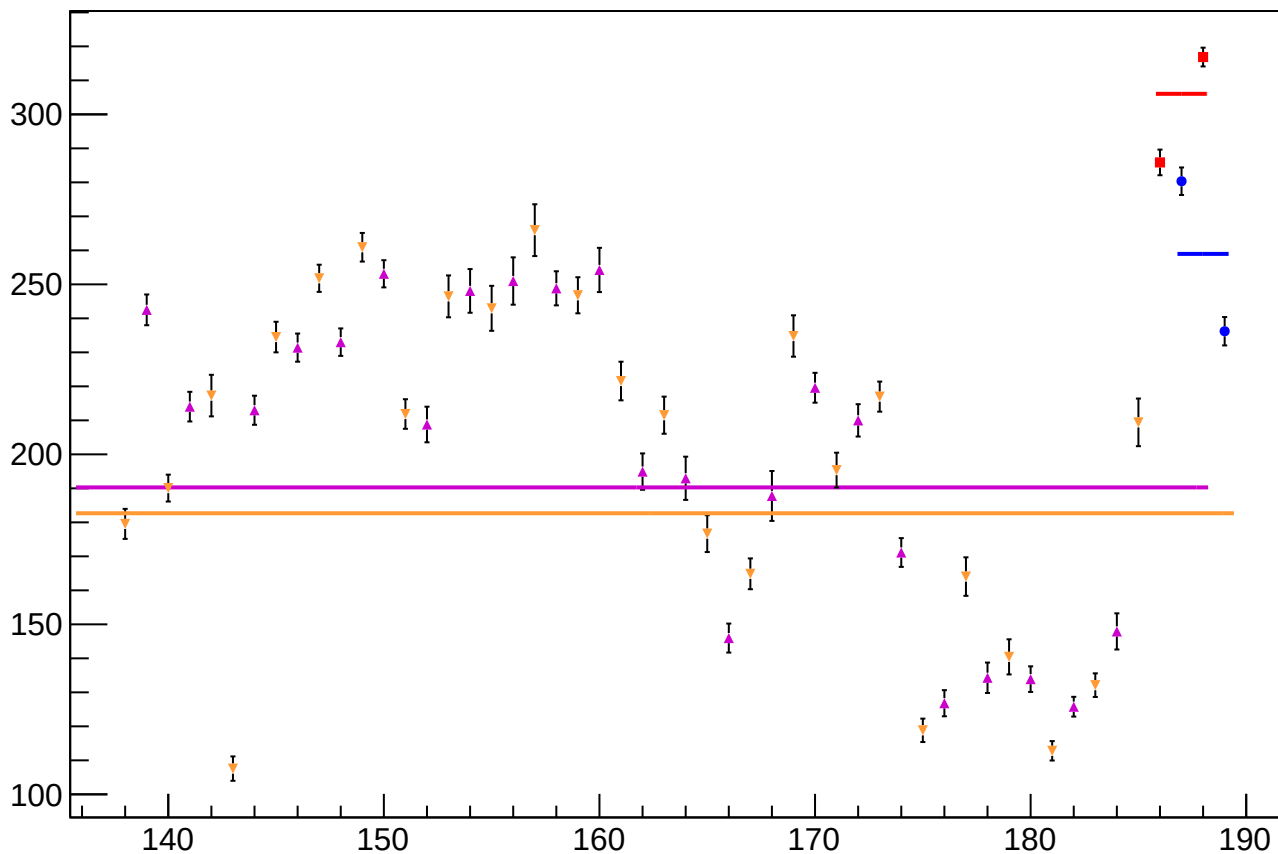
reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.031 $\pm$ 0.070 χ^2 /NDF: 95270.8/18
 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: 93.408 $\pm$ 0.048 χ^2 /NDF: 339125.7/39
 In: 118.207 $\pm$ 0.035 χ^2 /NDF: 428556.4/41
 Out: 111.169 $\pm$ 0.035 χ^2 /NDF: 1046824.9/45
 All: 114.599 $\pm$ 0.025 χ^2 /NDF: 1495552.6/87

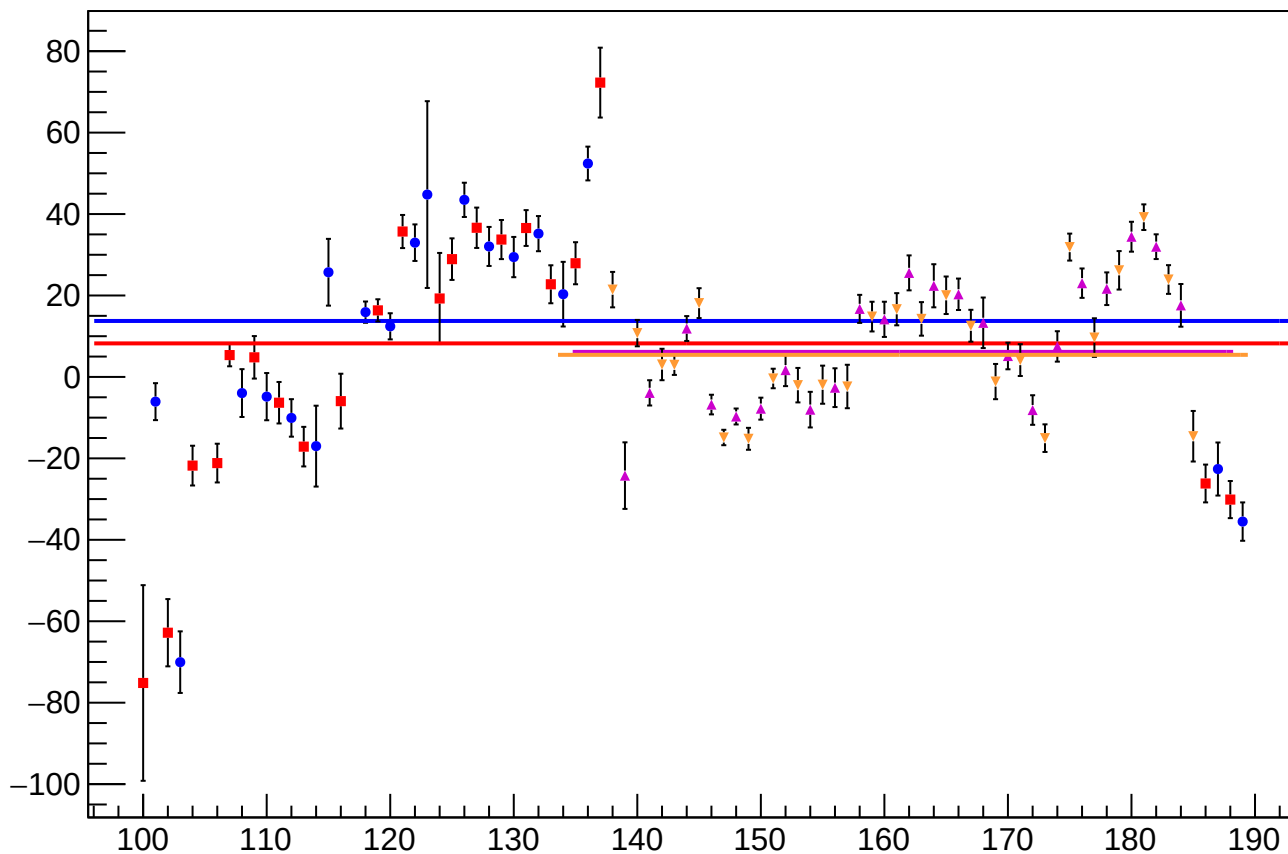
reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 258.962 ± 2.906 $\chi^2/\text{NDF}: 57.6/1$
 Left Out: 182.672 ± 0.919 $\chi^2/\text{NDF}: 3230.7/24$
 Right Out: 306.044 ± 2.226 $\chi^2/\text{NDF}: 44.1/1$
 Left In: 190.279 ± 0.949 $\chi^2/\text{NDF}: 2452.9/22$

Left: 186.352 ± 0.660 $\chi^2/\text{NDF}: 5716.7/47$
 Right: 288.634 ± 1.767 $\chi^2/\text{NDF}: 267.1/3$
 In: 196.898 ± 0.902 $\chi^2/\text{NDF}: 3015.3/24$
 Out: 200.624 ± 0.849 $\chi^2/\text{NDF}: 5899.8/26$
 All: 198.873 ± 0.618 $\chi^2/\text{NDF}: 8924.2/51$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.744 $\pm$ 1.098 χ^2/NDF : 548.0/18

Left Out: 5.425 $\pm$ 0.693 χ^2/NDF : 525.2/24

Right Out: 8.236 $\pm$ 1.030 χ^2/NDF : 583.4/20

Left In: 6.151 $\pm$ 0.730 χ^2/NDF : 410.6/22

Left: 5.769 $\pm$ 0.502 χ^2/NDF : 936.2/47

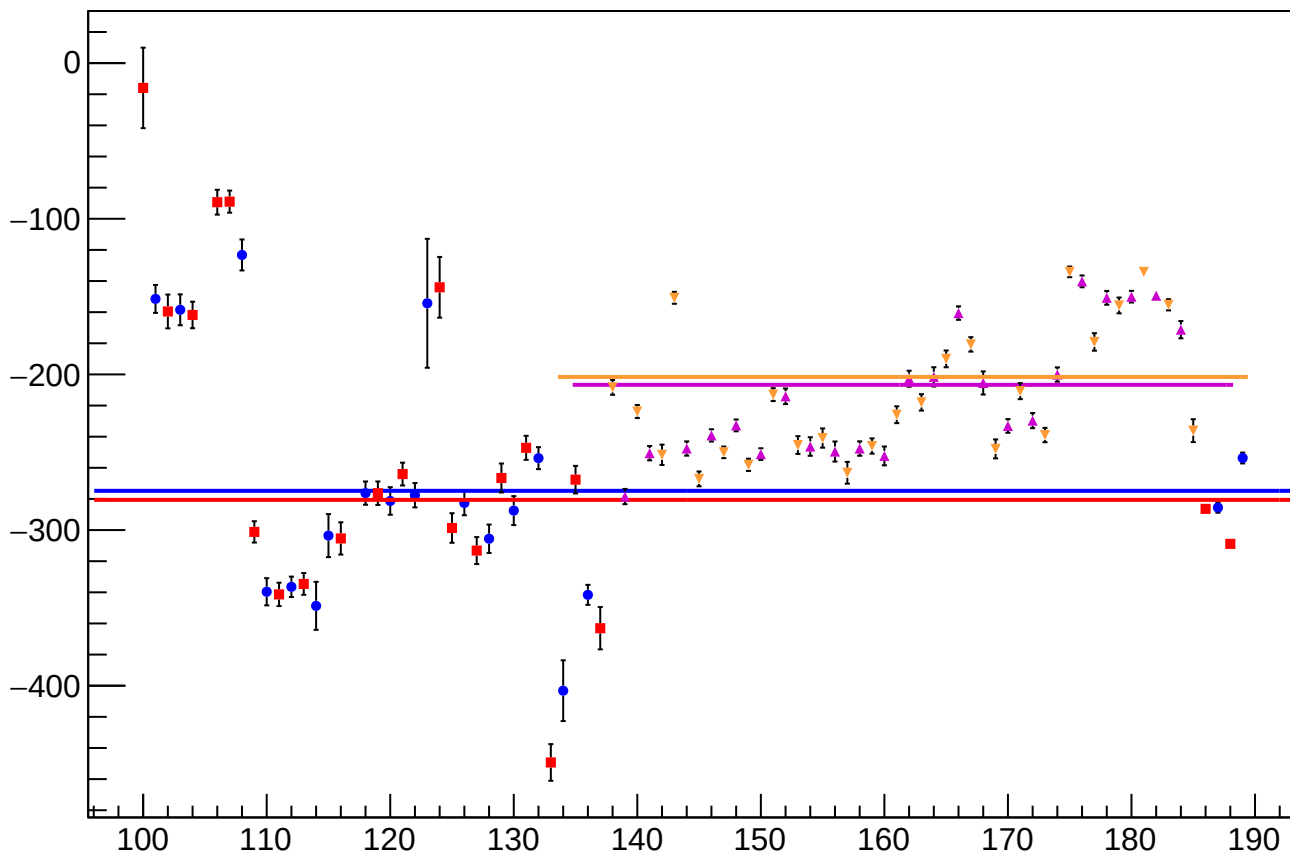
Right: 10.814 $\pm$ 0.751 χ^2/NDF : 1144.8/39

In: 8.478 $\pm$ 0.608 χ^2/NDF : 991.8/41

Out: 6.300 $\pm$ 0.575 χ^2/NDF : 1113.7/45

All: 7.328 $\pm$ 0.418 χ^2/NDF : 2112.2/87

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -274.790 ± 1.610 $\chi^2/\text{NDF}: 960.5/18$

Left Out: -201.610 ± 0.922 $\chi^2/\text{NDF}: 2462.4/24$

Right Out: -280.601 ± 1.339 $\chi^2/\text{NDF}: 2367.8/20$

Left In: -206.700 ± 0.946 $\chi^2/\text{NDF}: 2134.9/22$

Left: -204.091 ± 0.660 $\chi^2/\text{NDF}: 4612.2/47$

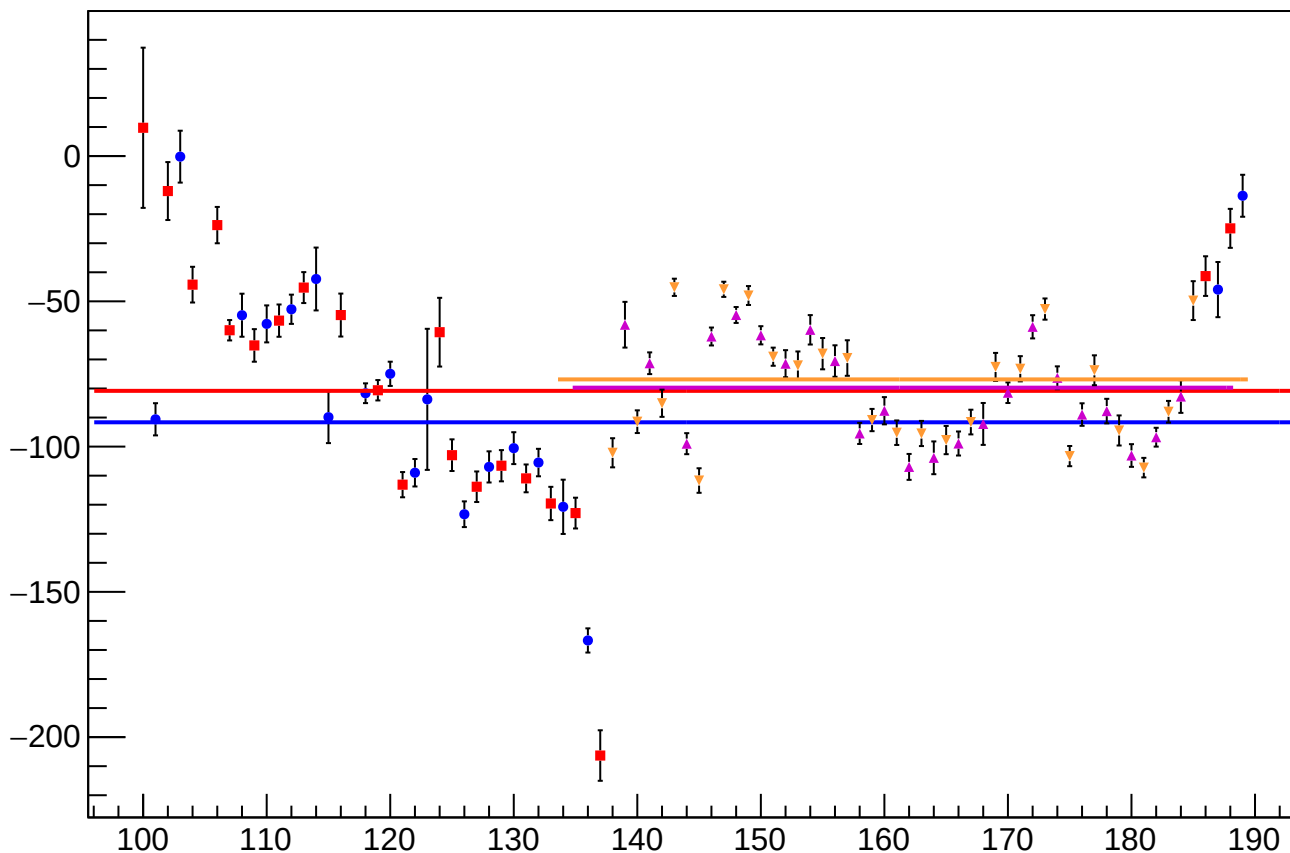
Right: -278.225 ± 1.029 $\chi^2/\text{NDF}: 3336.0/39$

In: -224.180 ± 0.816 $\chi^2/\text{NDF}: 4425.0/41$

Out: -227.033 ± 0.760 $\chi^2/\text{NDF}: 7190.3/45$

All: -225.708 ± 0.556 $\chi^2/\text{NDF}: 11621.9/87$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -91.636 ± 1.289 $\chi^2/\text{NDF}: 821.5/18$

Left Out: -76.870 ± 0.802 $\chi^2/\text{NDF}: 758.7/24$

Right Out: -80.812 ± 1.217 $\chi^2/\text{NDF}: 892.8/20$

Left In: -79.719 ± 0.837 $\chi^2/\text{NDF}: 415.2/22$

Left: -78.232 ± 0.579 $\chi^2/\text{NDF}: 1179.9/47$

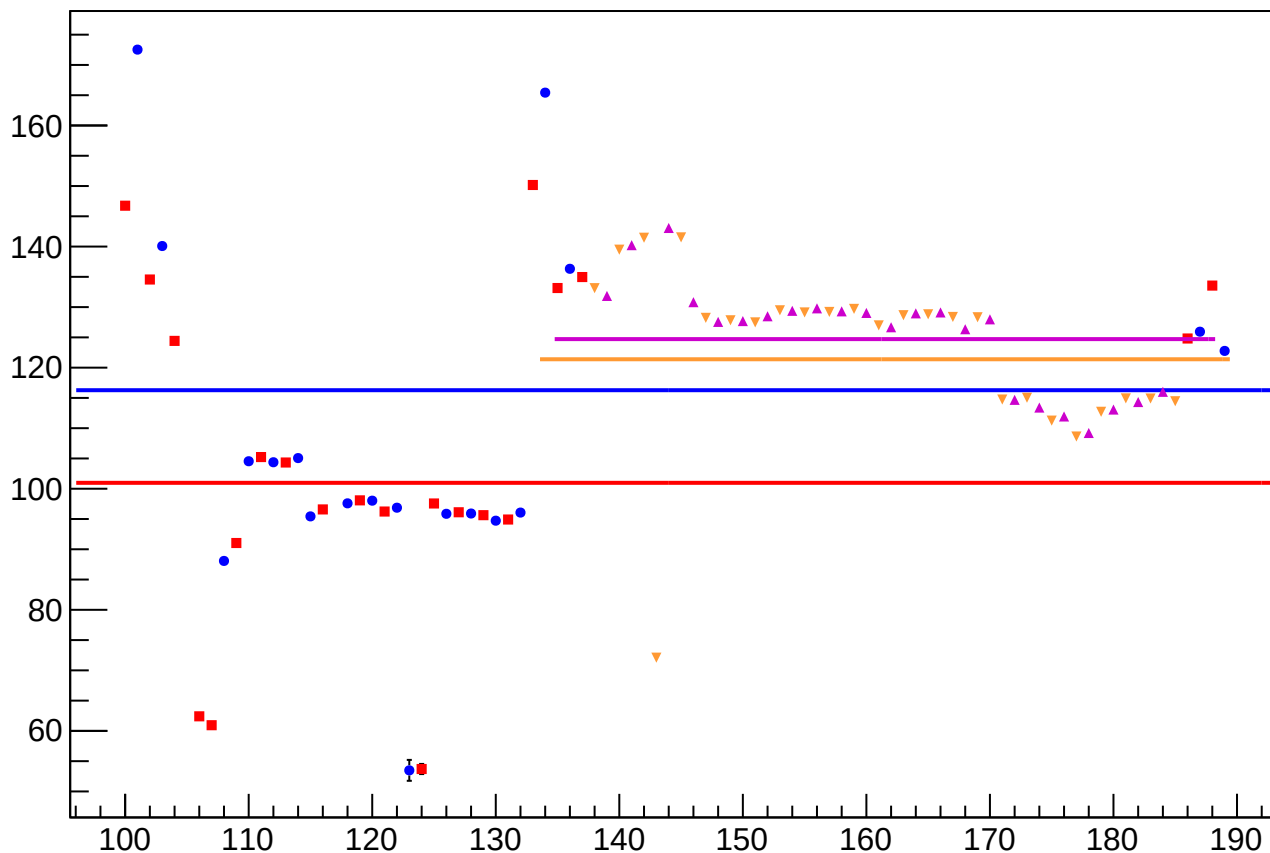
Right: -85.915 ± 0.885 $\chi^2/\text{NDF}: 1751.6/39$

In: -83.257 ± 0.702 $\chi^2/\text{NDF}: 1296.8/41$

Out: -78.063 ± 0.670 $\chi^2/\text{NDF}: 1658.8/45$

All: -80.536 ± 0.485 $\chi^2/\text{NDF}: 2984.3/87$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 116.275+/-0.075 χ^2/NDF : 107132.6/18

Left Out: 121.385+/-0.038 χ^2/NDF :164871.1/24

Right Out: 100.976+/-0.066 χ^2/NDF : 186756.8/20

Left In: 124.714+/-0.039 χ^2/NDF :51750.7/22

Left: 123.014+/-0.027 χ^2/NDF : 220328.2/47

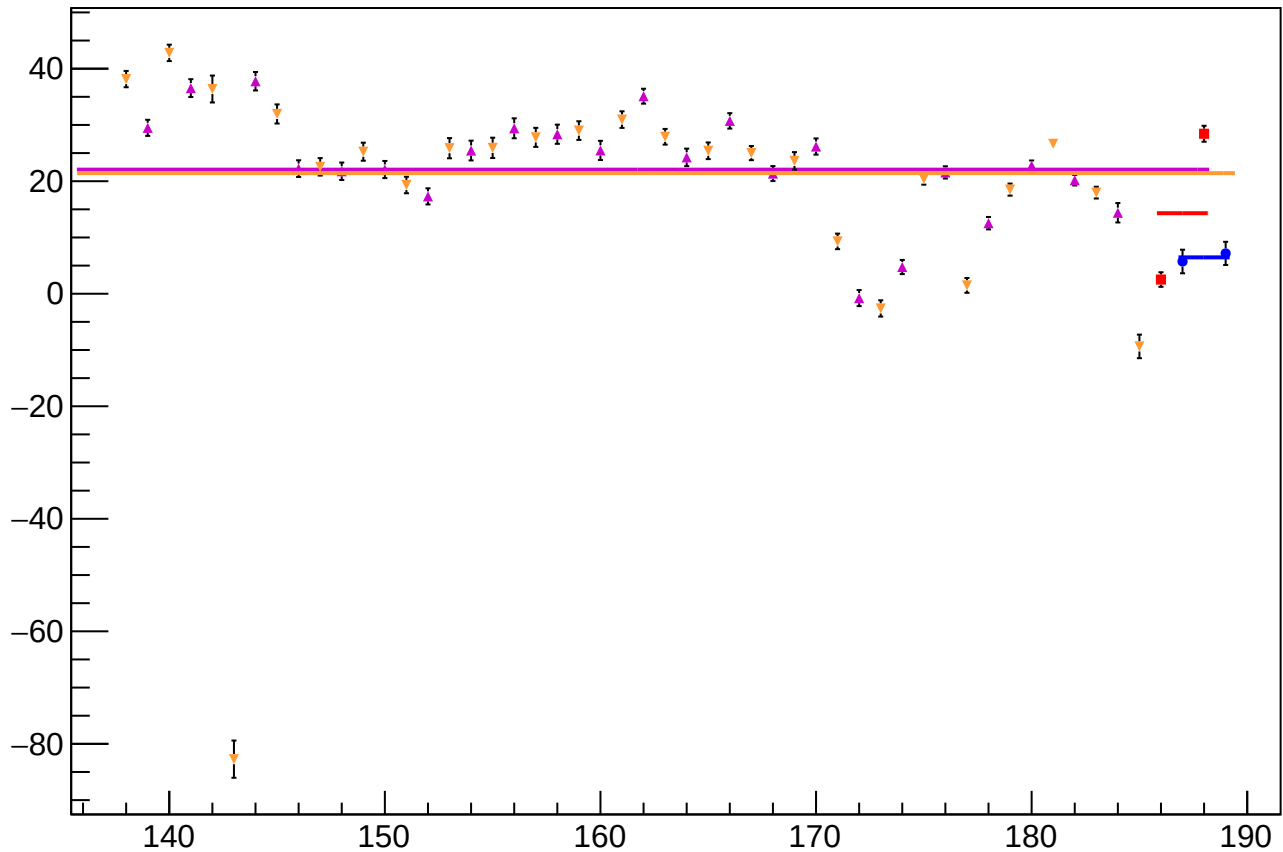
Right: 107.676+/-0.050 χ^2/NDF : 317137.4/39

In: 122.921+/-0.035 χ^2/NDF :168794.8/41

Out: 116.299+/-0.033 χ^2/NDF :422561.5/45

All: 119.460+/-0.024 χ^2/NDF : 610408.5/87

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.464 $\pm$ 1.469 χ^2 /NDF: 0.2/1

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

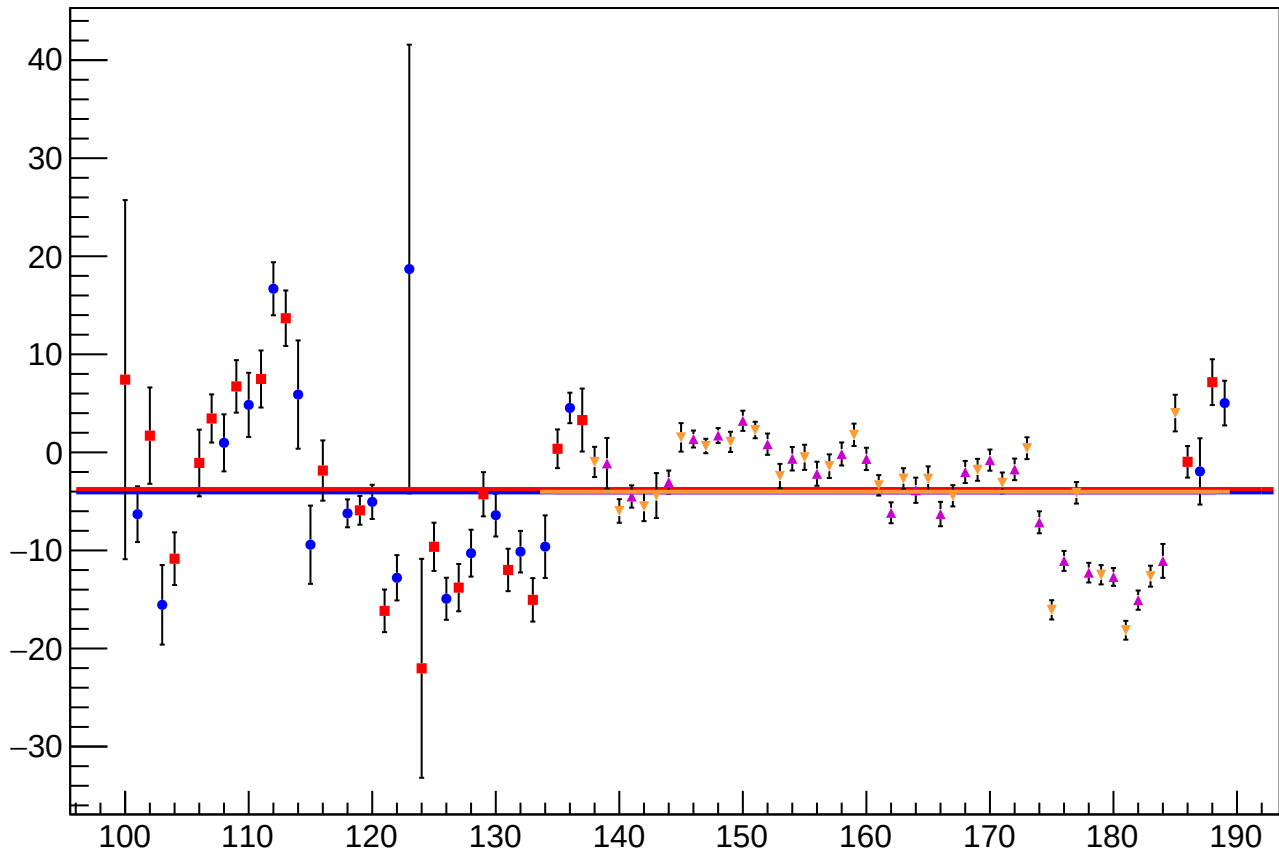
Right: 11.977 $\pm$ 0.801 χ^2 /NDF: 202.4/3

In: 21.492 $\pm$ 0.279 χ^2 /NDF:1050.1/24

Out: 20.863 $\pm$ 0.271 χ^2 /NDF:2639.4/26

All: 21.168 $\pm$ 0.194 χ^2 /NDF: 3692.1/51

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.078 ± 0.554 χ^2/NDF : 192.5/18

Left Out: -4.015 ± 0.223 χ^2/NDF : 731.7/24

Right Out: -3.739 ± 0.536 χ^2/NDF : 221.5/20

Left In: -4.069 ± 0.227 χ^2/NDF : 580.1/22

Left: -4.042 ± 0.159 χ^2/NDF : 1311.8/47

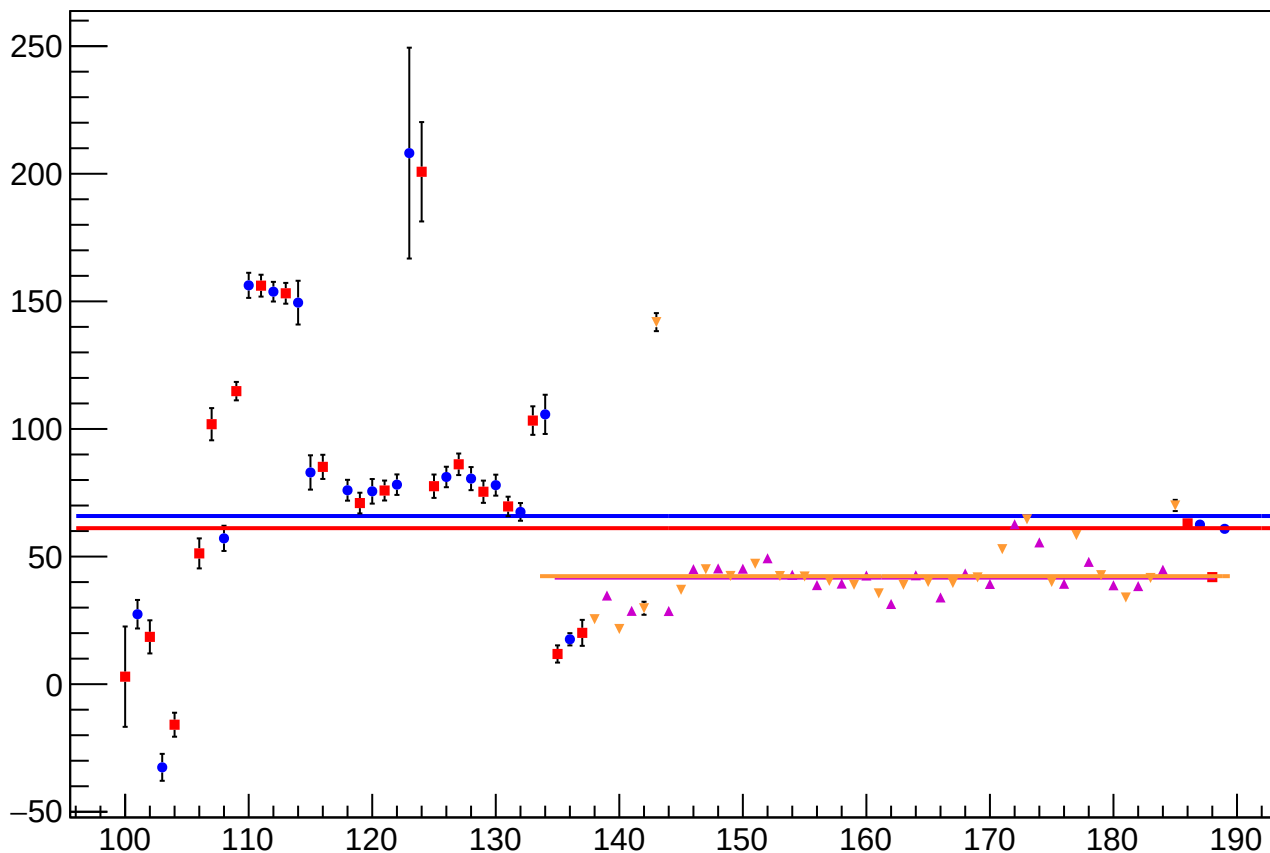
Right: -3.903 ± 0.385 χ^2/NDF : 414.2/39

In: -4.071 ± 0.210 χ^2/NDF : 772.6/41

Out: -3.974 ± 0.206 χ^2/NDF : 953.4/45

All: -4.021 ± 0.147 χ^2/NDF : 1726.0/87

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 65.889+/-0.812 χ^2/NDF : 1868.3/18

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

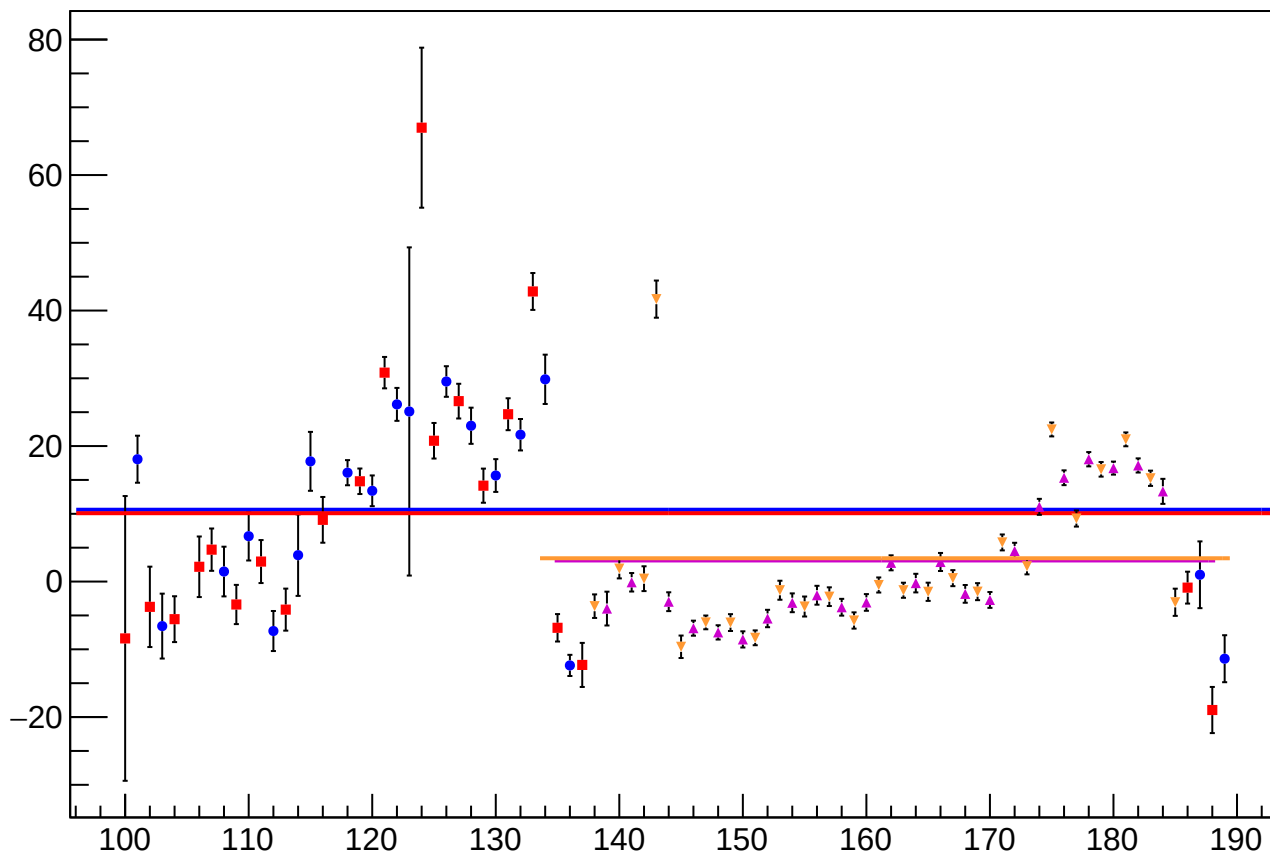
Right: 62.899+/-0.495 χ^2/NDF : 4259.0/39

In: 44.368+/-0.267 χ^2/NDF : 3315.4/41

Out: 45.508+/-0.257 χ^2/NDF : 4977.7/45

All: 44.960+/-0.185 χ^2/NDF : 8302.5/87

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.602 ± 0.641 χ^2/NDF : 524.4/18

Left Out: 3.439 ± 0.252 χ^2/NDF : 1647.7/24

Right Out: 10.089 ± 0.629 χ^2/NDF : 646.7/20

Left In: 3.114 ± 0.256 χ^2/NDF : 1273.1/22

Left: 3.279 ± 0.180 χ^2/NDF : 2921.5/47

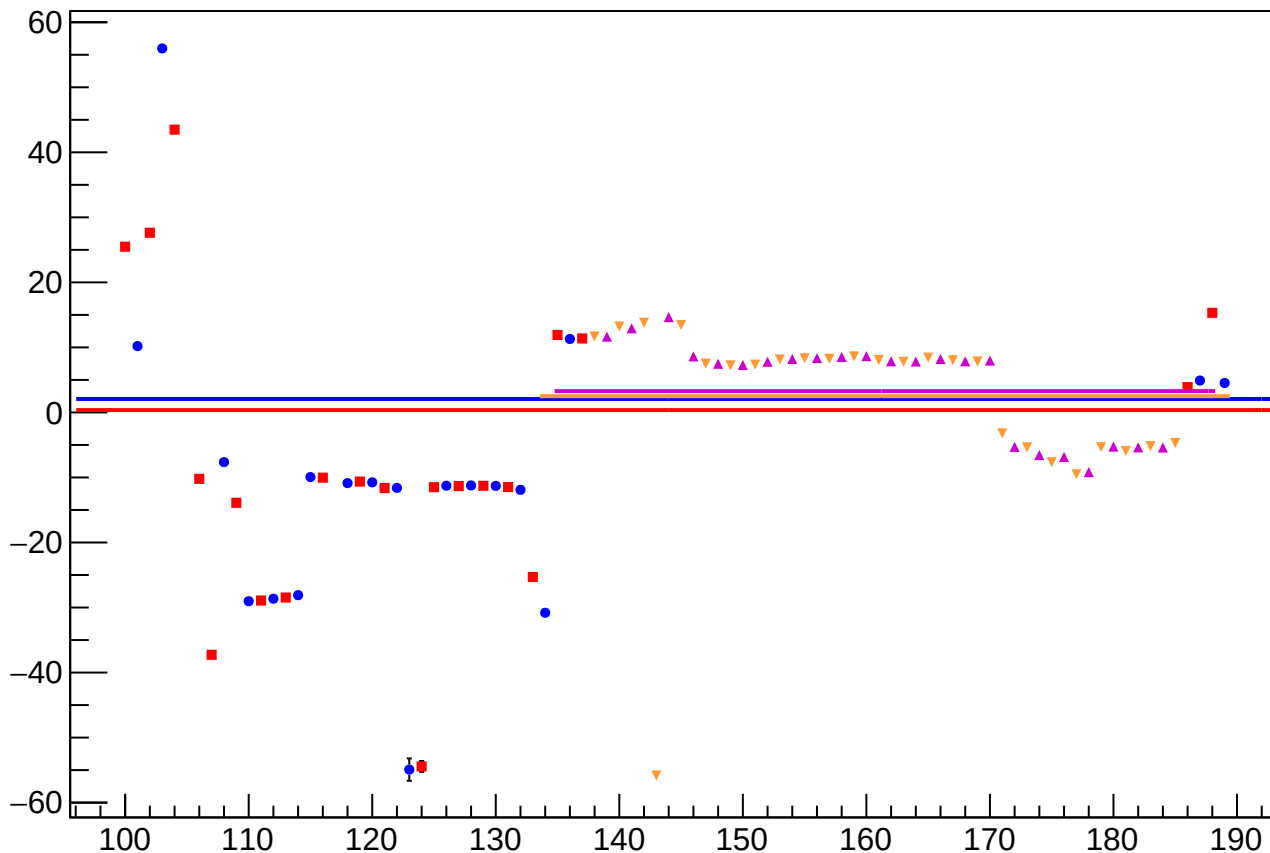
Right: 10.340 ± 0.449 χ^2/NDF : 1171.4/39

In: 4.145 ± 0.238 χ^2/NDF : 1915.0/41

Out: 4.363 ± 0.234 χ^2/NDF : 2390.8/45

All: 4.256 ± 0.167 χ^2/NDF : 4306.2/87

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 2.073+/-0.036 χ^2/NDF : 359853.4/18

Left Out: 2.497+/-0.012 χ^2/NDF :588138.5/24

Right Out: 0.359+/-0.035 χ^2/NDF : 371816.0/20

Left In: 3.281+/-0.012 χ^2/NDF :409605.3/22

Left: 2.888+/-0.008 χ^2/NDF : 1000035.7/47

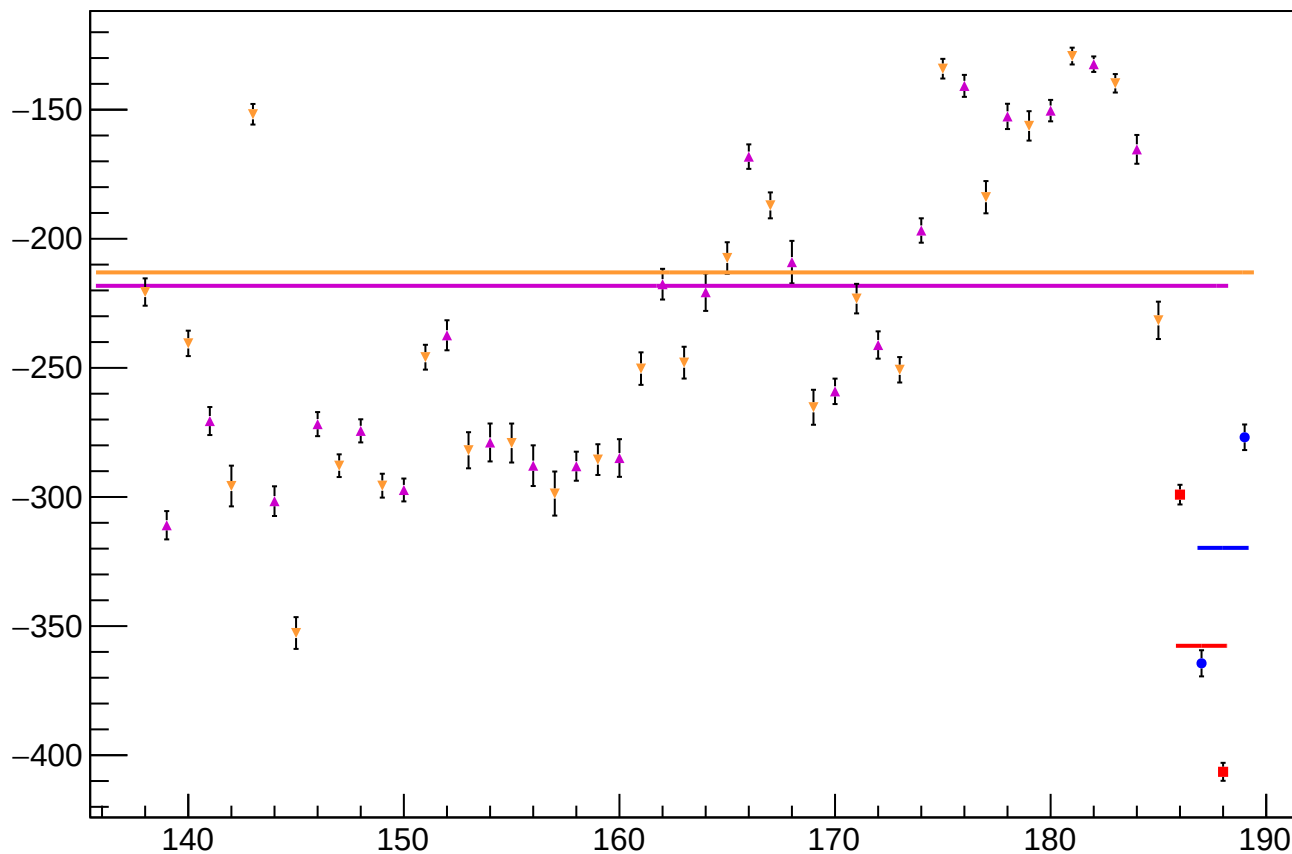
Right: 1.210+/-0.025 χ^2/NDF : 732843.4/39

In: 3.164+/-0.011 χ^2/NDF :770504.6/41

Out: 2.289+/-0.011 χ^2/NDF :963275.2/45

All: 2.725+/-0.008 χ^2/NDF : 1736942.9/87

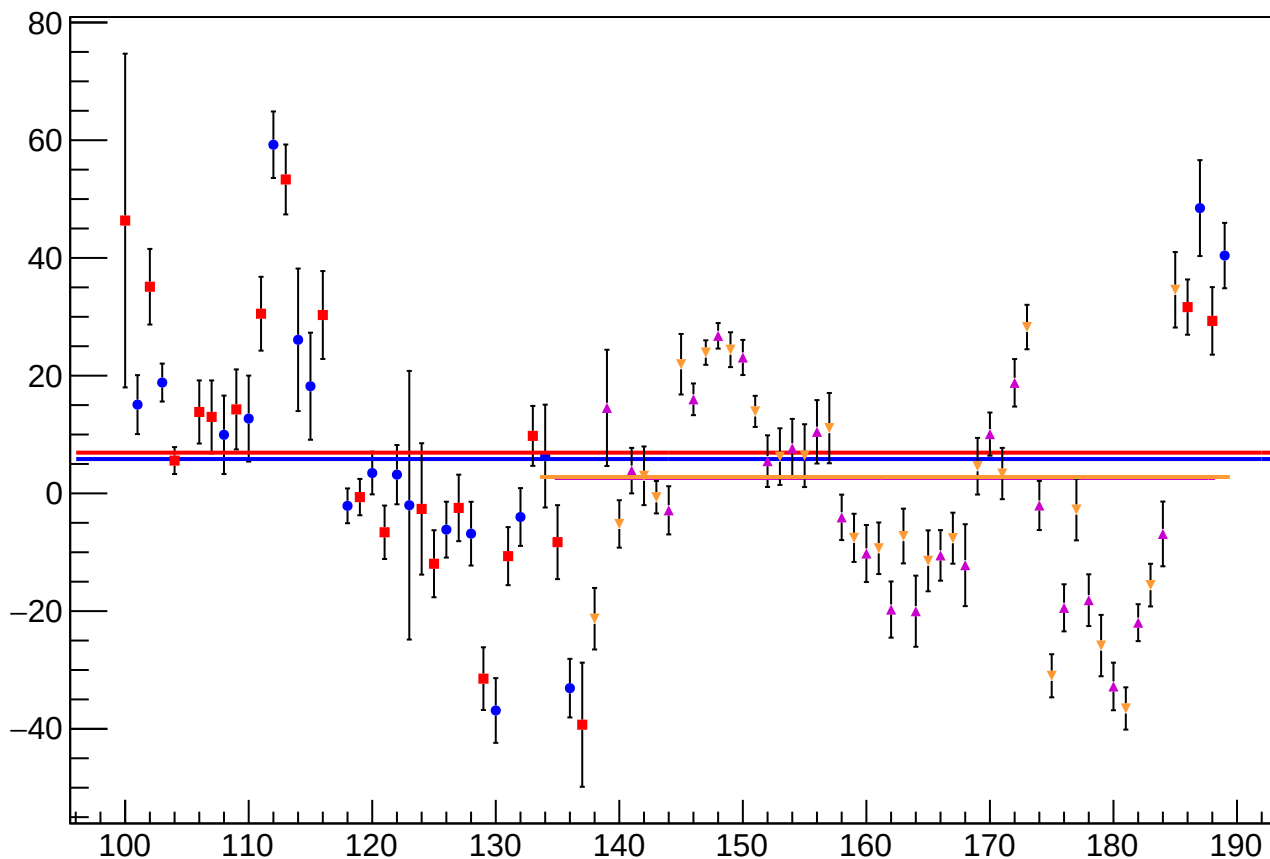
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -319.705 ± 3.541 $\chi^2/\text{NDF}: 152.8/1$
 Left Out: -213.020 ± 1.035 $\chi^2/\text{NDF}: 3826.2/24$
 Right Out: -357.632 ± 2.569 $\chi^2/\text{NDF}: 432.9/1$
 Left In: -218.216 ± 1.063 $\chi^2/\text{NDF}: 3499.0/22$

Left: -215.550 ± 0.742 $\chi^2/\text{NDF}: 7337.5/47$
 Right: -344.552 ± 2.079 $\chi^2/\text{NDF}: 660.9/3$
 In: -226.605 ± 1.018 $\chi^2/\text{NDF}: 4405.4/24$
 Out: -233.230 ± 0.960 $\chi^2/\text{NDF}: 6985.1/26$
 All: -230.110 ± 0.699 $\chi^2/\text{NDF}: 11412.9/51$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.835 ± 1.184 $\chi^2/\text{NDF}: 326.4/18$

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 $\chi^2/\text{NDF}: 1059.7/47$

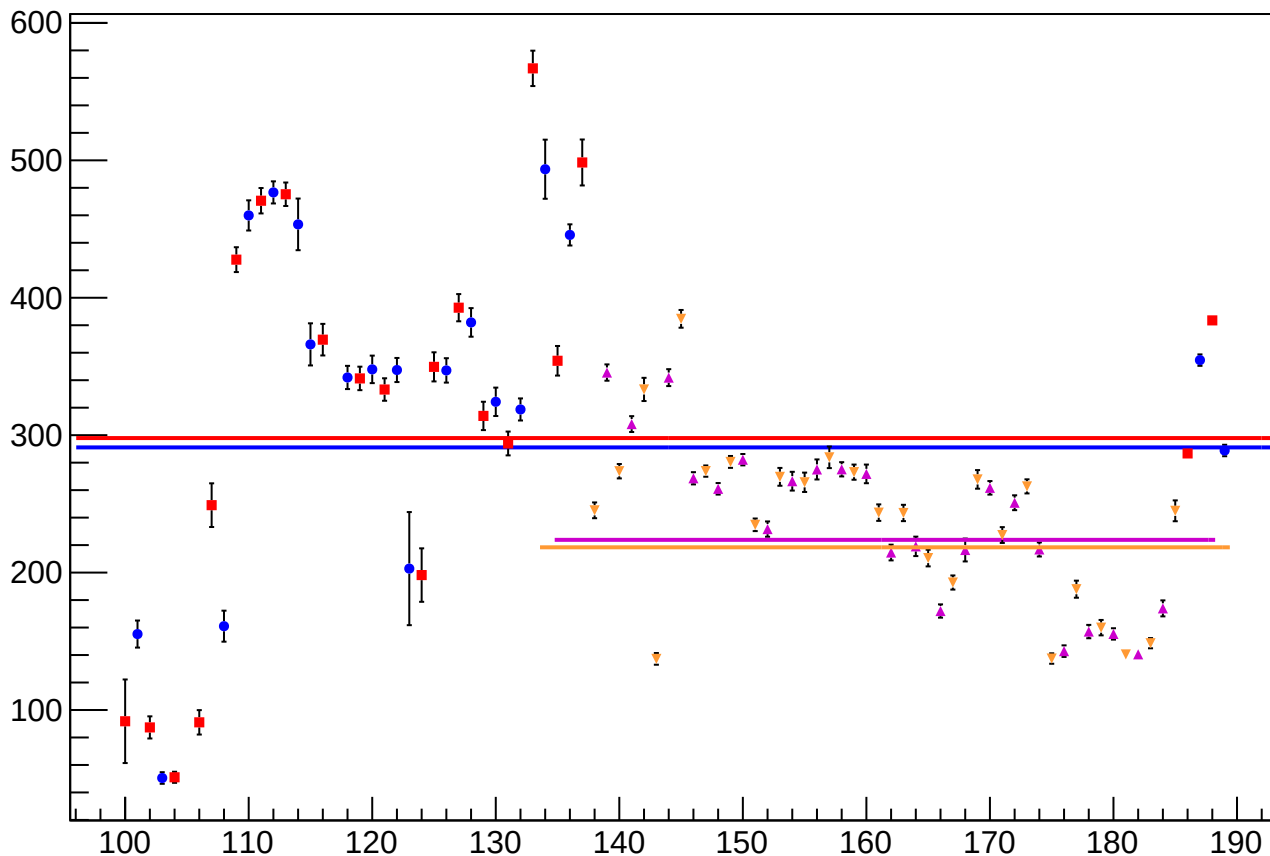
Right: 6.415 ± 0.808 $\chi^2/\text{NDF}: 599.6/39$

In: 3.663 ± 0.674 $\chi^2/\text{NDF}: 809.0/41$

Out: 4.162 ± 0.637 $\chi^2/\text{NDF}: 864.1/45$

All: 3.926 ± 0.463 $\chi^2/\text{NDF}: 1673.4/87$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 291.094 $\pm$ 1.758 χ^2 /NDF: 5406.0/18

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

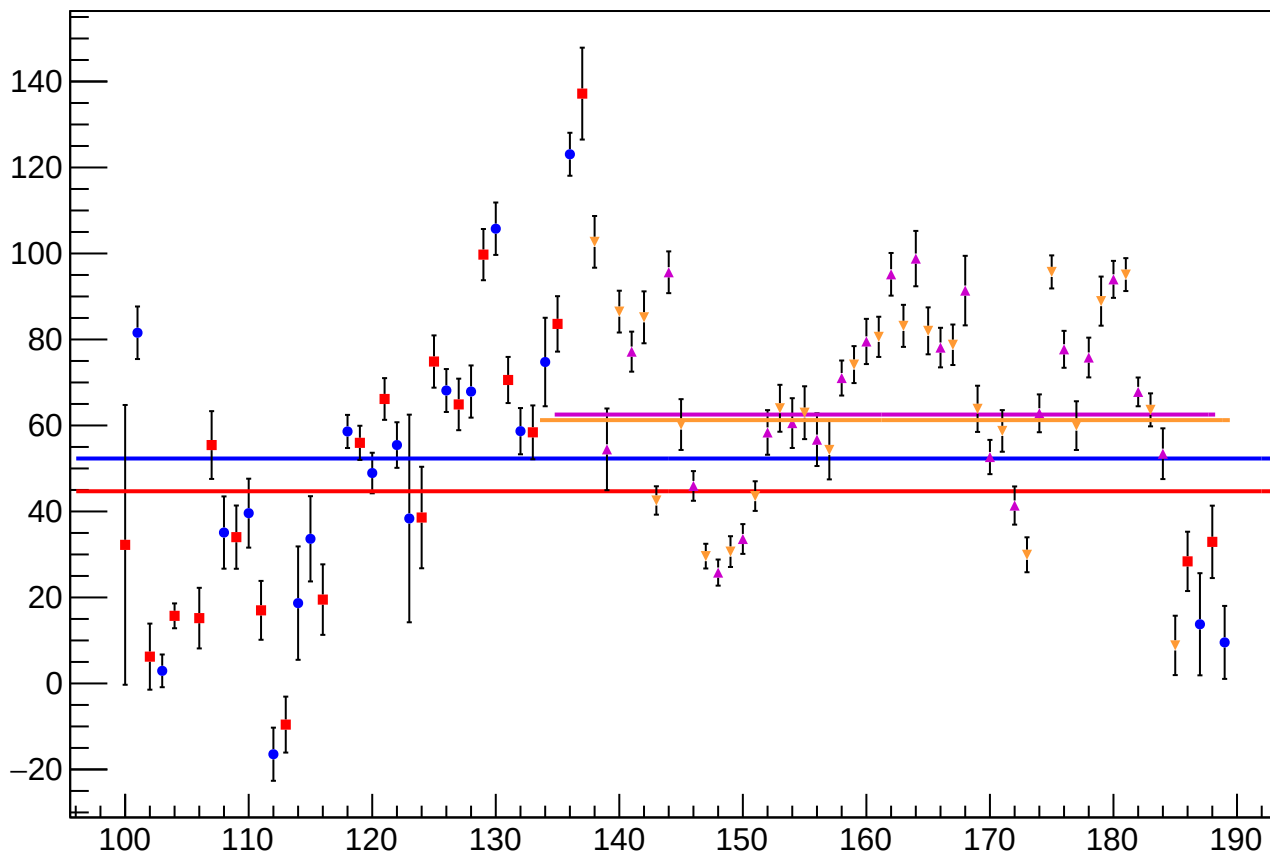
Right: 295.107 $\pm$ 1.125 χ^2 /NDF: 13206.4/39

In: 241.723 $\pm$ 0.907 χ^2 /NDF:9925.2/41

Out: 244.961 $\pm$ 0.847 χ^2 /NDF:13450.1/45

All: 243.453 $\pm$ 0.619 χ^2 /NDF: 23382.1/87

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.315 ± 1.391 $\chi^2/\text{NDF}: 671.8/18$

Left Out: 61.240 ± 0.903 $\chi^2/\text{NDF}: 718.8/24$

Right Out: 44.697 ± 1.317 $\chi^2/\text{NDF}: 538.8/20$

Left In: 62.538 ± 0.940 $\chi^2/\text{NDF}: 520.0/22$

Left: 61.862 ± 0.651 $\chi^2/\text{NDF}: 1239.8/47$

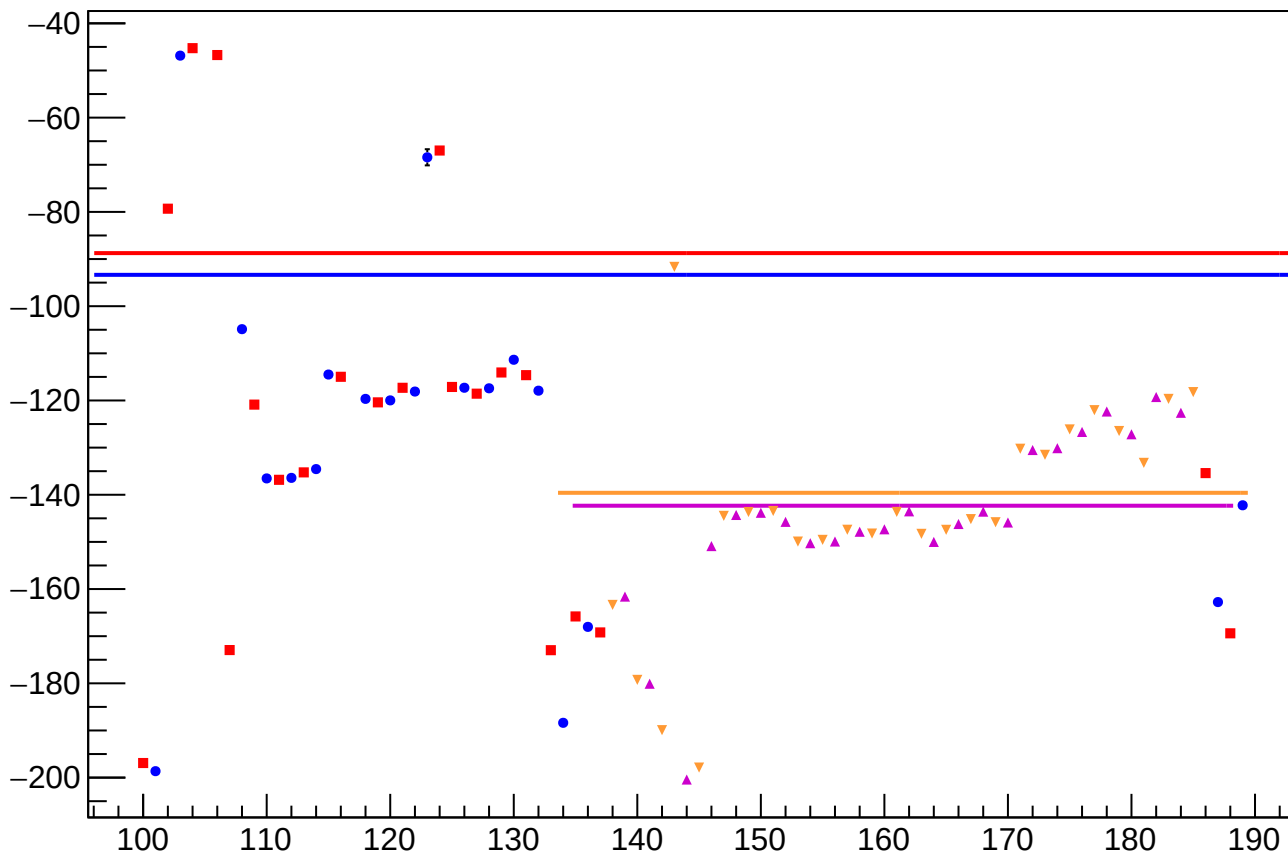
Right: 48.297 ± 0.956 $\chi^2/\text{NDF}: 1226.5/39$

In: 59.333 ± 0.779 $\chi^2/\text{NDF}: 1228.9/41$

Out: 55.953 ± 0.745 $\chi^2/\text{NDF}: 1365.0/45$

All: 57.567 ± 0.538 $\chi^2/\text{NDF}: 2603.7/87$

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -93.350 ± 0.066 χ^2/NDF : 563336.7/18

Left Out: -139.585 ± 0.043 χ^2/NDF : 243895.1/24

Right Out: -88.740 ± 0.064 χ^2/NDF : 547401.8/20

Left In: -142.326 ± 0.044 χ^2/NDF : 144642.3/22

Left: -140.930 ± 0.031 χ^2/NDF : 390521.6/47

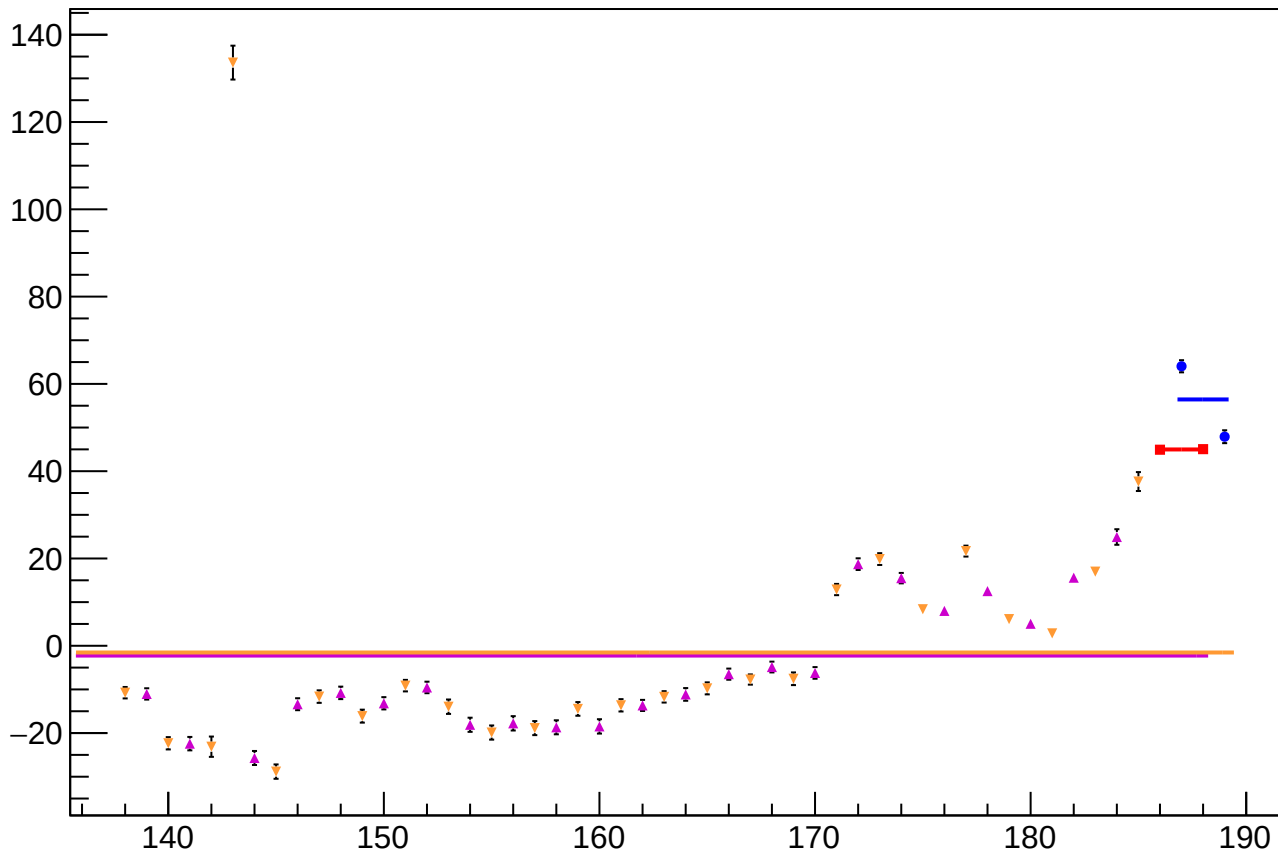
Right: -90.957 ± 0.046 χ^2/NDF : 1113259.4/39

In: -127.346 ± 0.037 χ^2/NDF : 1088543.1/41

Out: -123.605 ± 0.036 χ^2/NDF : 1228681.8/45

All: -125.430 ± 0.026 χ^2/NDF : 2322582.4/87

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 56.439+/-1.013 χ^2/NDF : 63.2/1

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

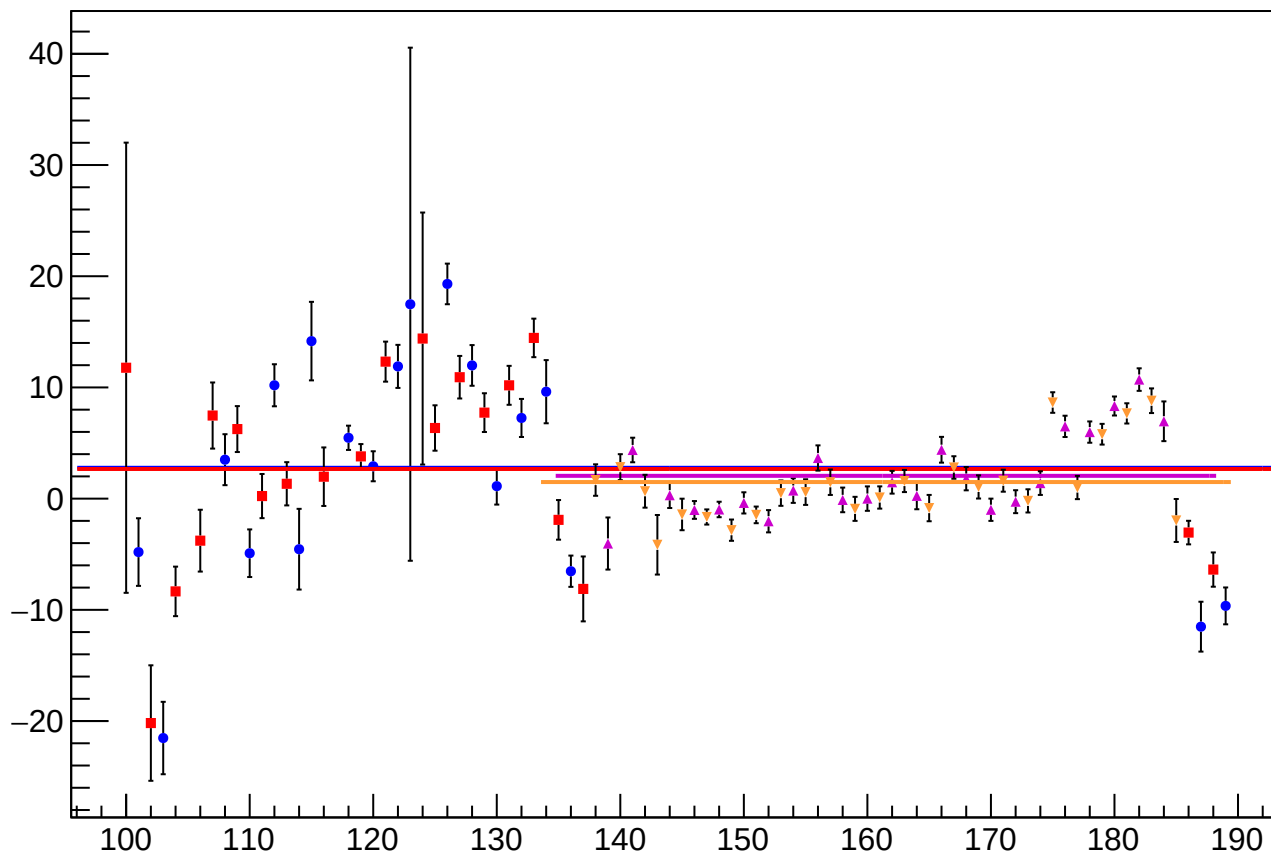
Right: 48.206+/-0.538 χ^2/NDF : 155.2/3

In: 1.635+/-0.260 χ^2/NDF : 5758.0/24

Out: 5.497+/-0.247 χ^2/NDF : 8696.6/26

All: 3.671+/-0.179 χ^2/NDF : 14570.5/51

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.773 $\pm$ 0.438 χ^2 /NDF: 394.9/18

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

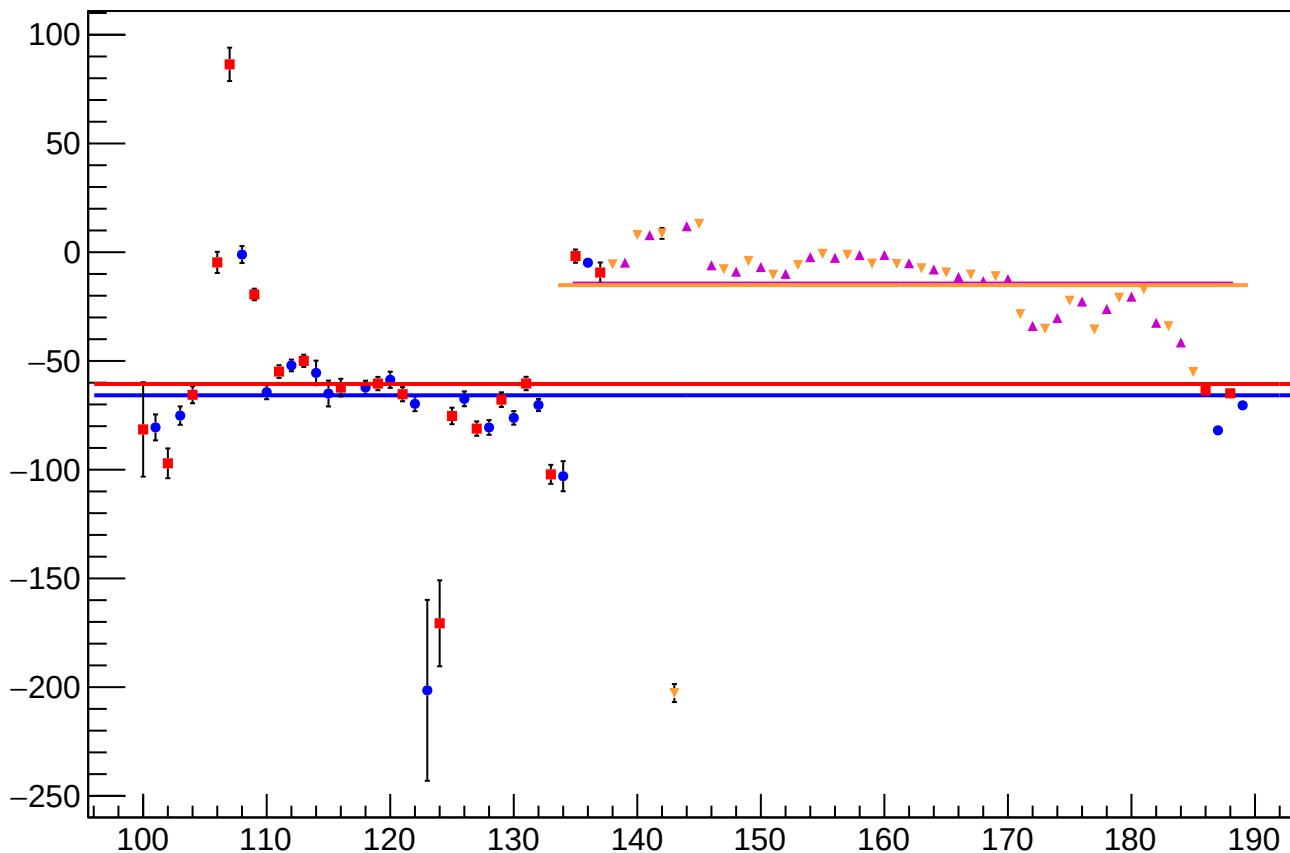
Right: 2.717 $\pm$ 0.302 χ^2 /NDF: 661.8/39

In: 2.191 $\pm$ 0.193 χ^2 /NDF:672.5/41

Out: 1.731 $\pm$ 0.188 χ^2 /NDF:531.5/45

All: 1.955 $\pm$ 0.135 χ^2 /NDF: 1207.0/87

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -65.796 ± 0.602 $\chi^2/\text{NDF}: 1400.8/18$

Left Out: -15.140 ± 0.267 $\chi^2/\text{NDF}: 4451.9/24$

Right Out: -60.582 ± 0.438 $\chi^2/\text{NDF}: 1515.7/20$

Left In: -14.415 ± 0.268 $\chi^2/\text{NDF}: 2065.7/22$

Left: -14.779 ± 0.189 $\chi^2/\text{NDF}: 6521.3/47$

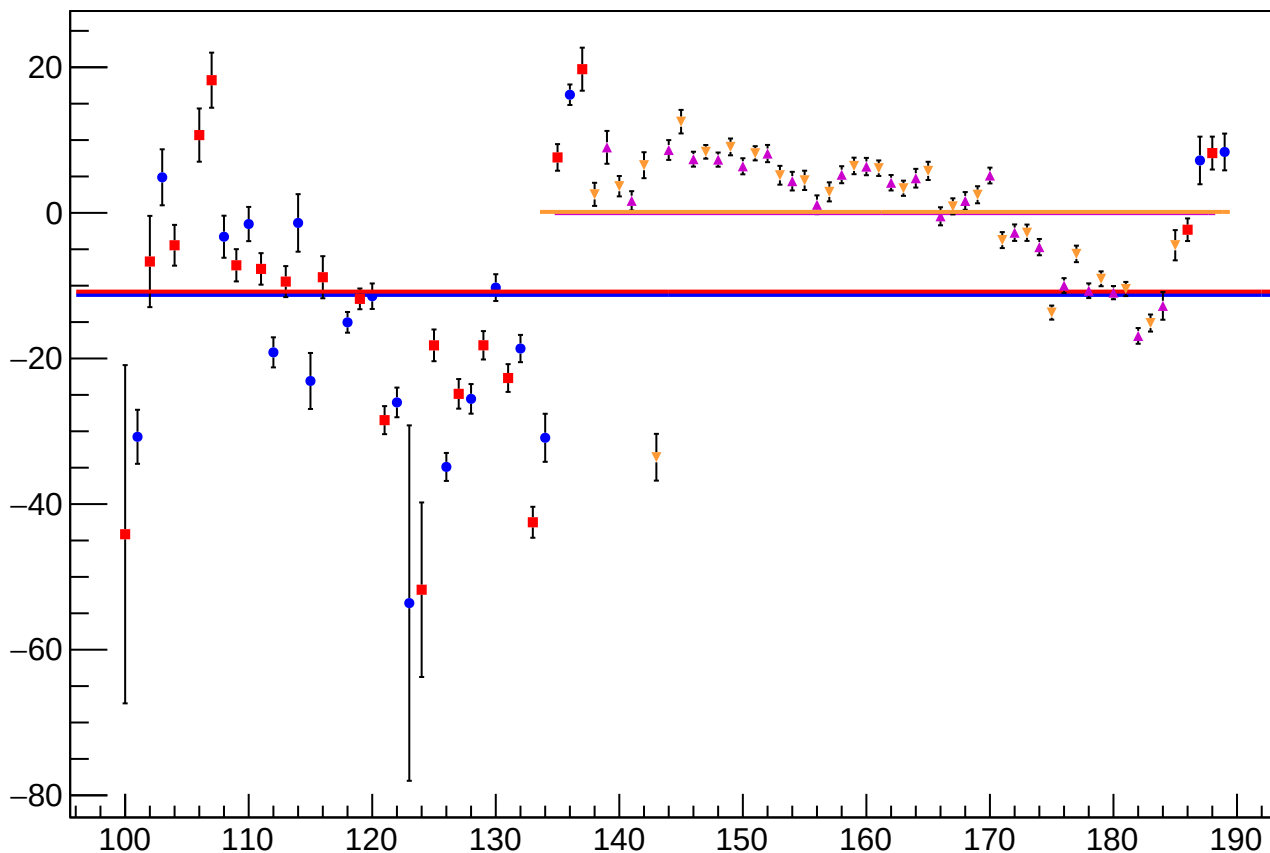
Right: -62.387 ± 0.354 $\chi^2/\text{NDF}: 2965.5/39$

In: -22.920 ± 0.245 $\chi^2/\text{NDF}: 9547.8/41$

Out: -27.447 ± 0.228 $\chi^2/\text{NDF}: 13821.0/45$

All: -25.346 ± 0.167 $\chi^2/\text{NDF}: 23552.0/87$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -11.264 ± 0.512 χ^2/NDF : 887.1/18

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

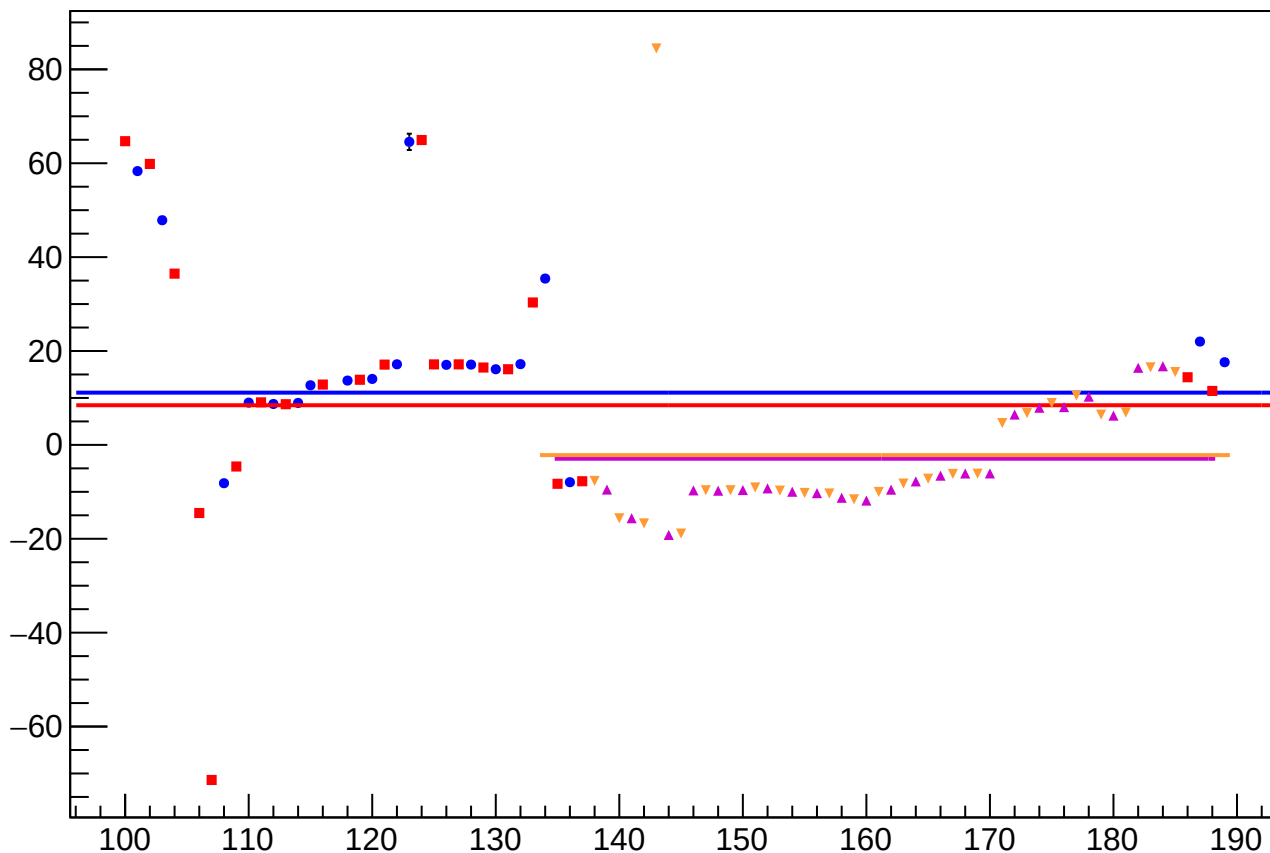
Right: -11.031 ± 0.356 χ^2/NDF : 1733.8/39

In: -2.089 ± 0.219 χ^2/NDF : 2307.1/41

Out: -1.920 ± 0.215 χ^2/NDF : 2388.6/45

All: -2.003 ± 0.153 χ^2/NDF : 4696.0/87

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.131+/-0.029 χ^2/NDF : 388355.3/18

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

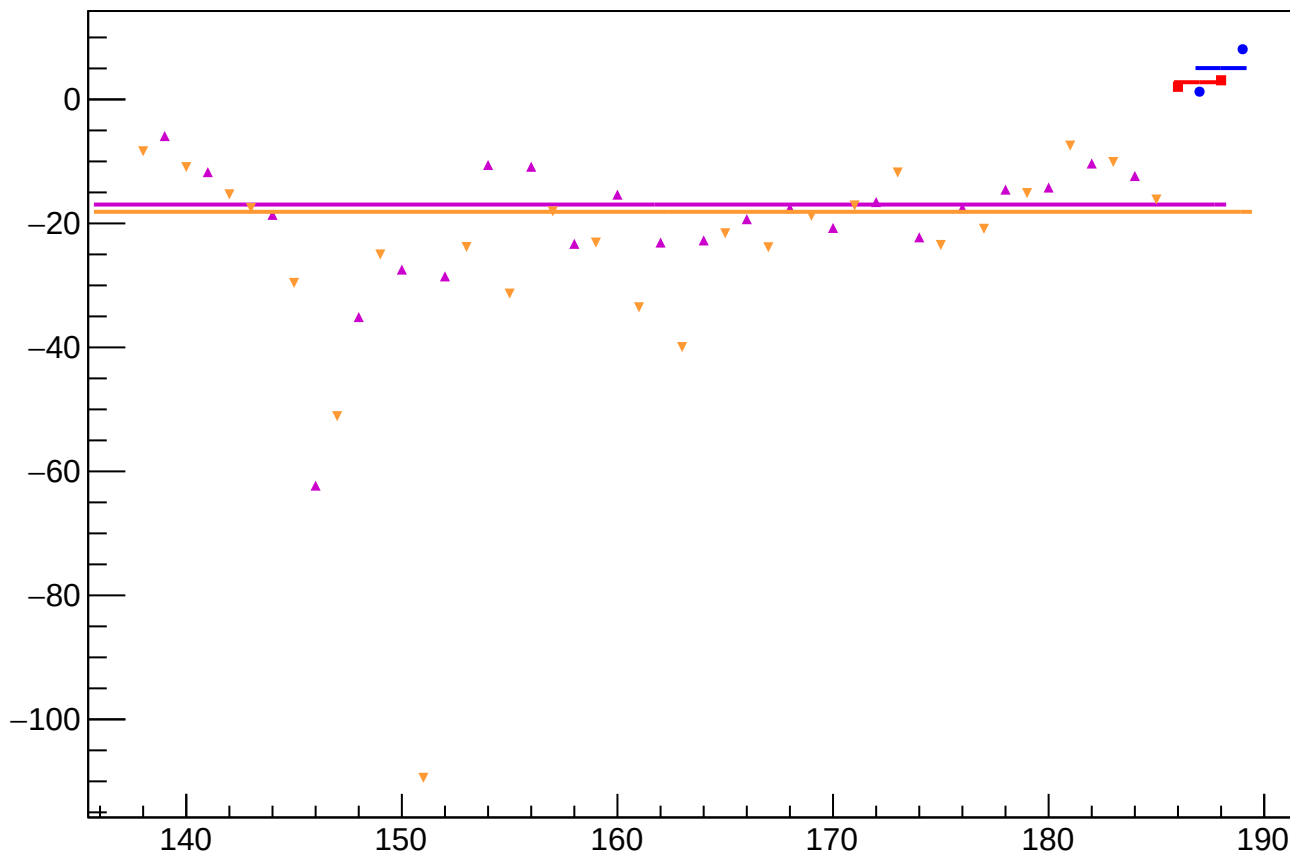
Right: 9.782+/-0.021 χ^2/NDF : 941914.5/39

In: -1.204+/-0.010 χ^2/NDF : 1363899.8/41

Out: -0.855+/-0.010 χ^2/NDF : 1714267.6/45

All: -1.029+/-0.007 χ^2/NDF : 3078750.2/87

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



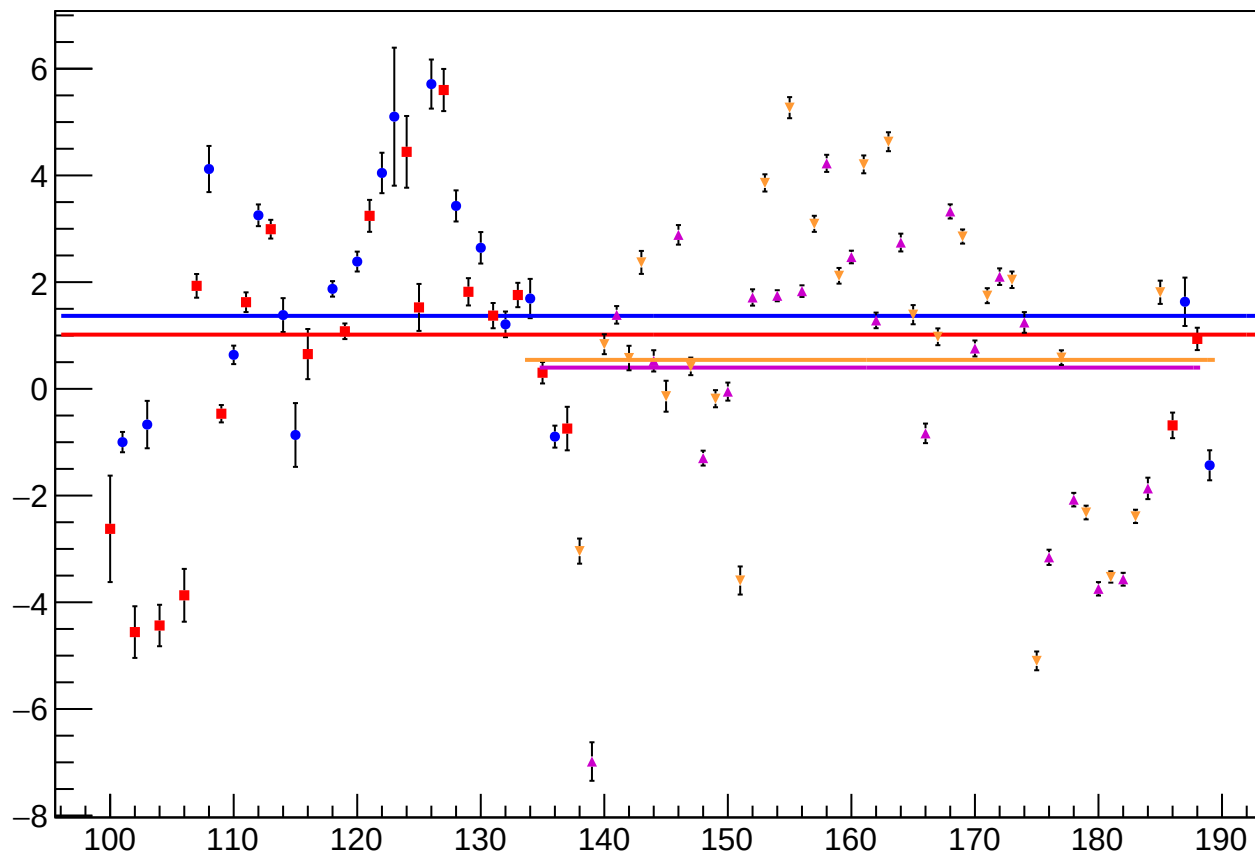
Right In: 5.054 ± 0.188 $\chi^2/\text{NDF}: 328.6/1$
 Left Out: -18.127 ± 0.039 $\chi^2/\text{NDF}: 88514.4/24$
 Right Out: 2.775 ± 0.106 $\chi^2/\text{NDF}: 20.4/1$
 Left In: -16.958 ± 0.038 $\chi^2/\text{NDF}: 44759.9/22$

Left: -17.528 ± 0.027 $\chi^2/\text{NDF}: 133736.2/47$
 Right: 3.325 ± 0.092 $\chi^2/\text{NDF}: 460.8/3$

In: -16.091 ± 0.037 $\chi^2/\text{NDF}: 58295.2/24$
 Out: -15.636 ± 0.037 $\chi^2/\text{NDF}: 122851.4/26$

All: -15.859 ± 0.026 $\chi^2/\text{NDF}: 181222.9/51$

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.368 $\pm$ 0.059 χ^2 /NDF: 812.5/18

Left Out: 0.543 $\pm$ 0.032 χ^2 /NDF: 7067.6/24

Right Out: 1.016 $\pm$ 0.055 χ^2 /NDF: 1000.3/20

Left In: 0.398 $\pm$ 0.031 χ^2 /NDF: 6286.3/22

Left: 0.467 $\pm$ 0.022 χ^2 /NDF: 13364.5/47

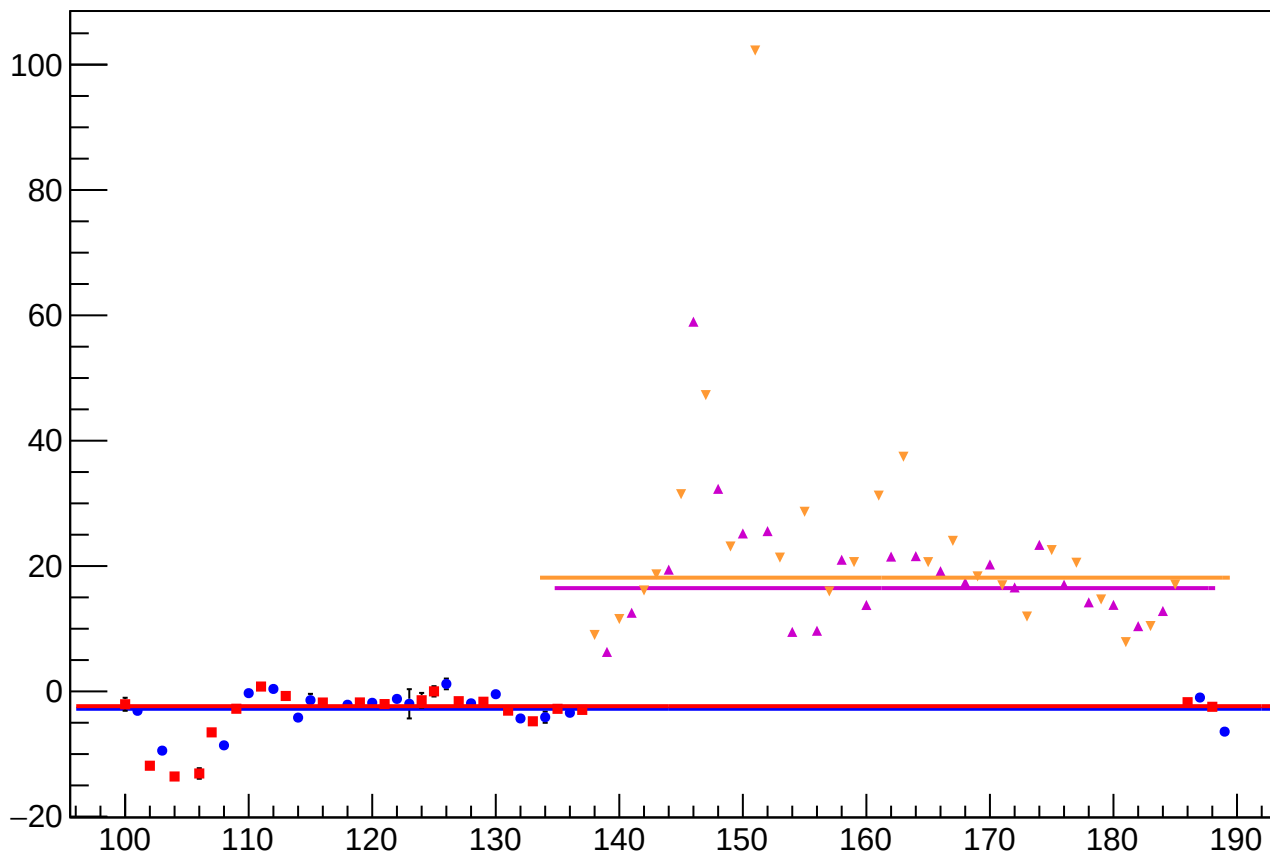
Right: 1.178 $\pm$ 0.040 χ^2 /NDF: 1831.8/39

In: 0.603 $\pm$ 0.027 χ^2 /NDF: 7310.6/41

Out: 0.666 $\pm$ 0.028 χ^2 /NDF: 8123.4/45

All: 0.634 $\pm$ 0.019 χ^2 /NDF: 15436.7/87

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.772 $\pm$ 0.090 χ^2 /NDF: 840.6/18

Left Out: 18.147 $\pm$ 0.039 χ^2 /NDF:77805.7/24

Right Out: -2.357 $\pm$ 0.065 χ^2 /NDF: 923.5/20

Left In: 16.477 $\pm$ 0.038 χ^2 /NDF:41326.5/22

Left: 17.279 $\pm$ 0.027 χ^2 /NDF: 120078.9/47

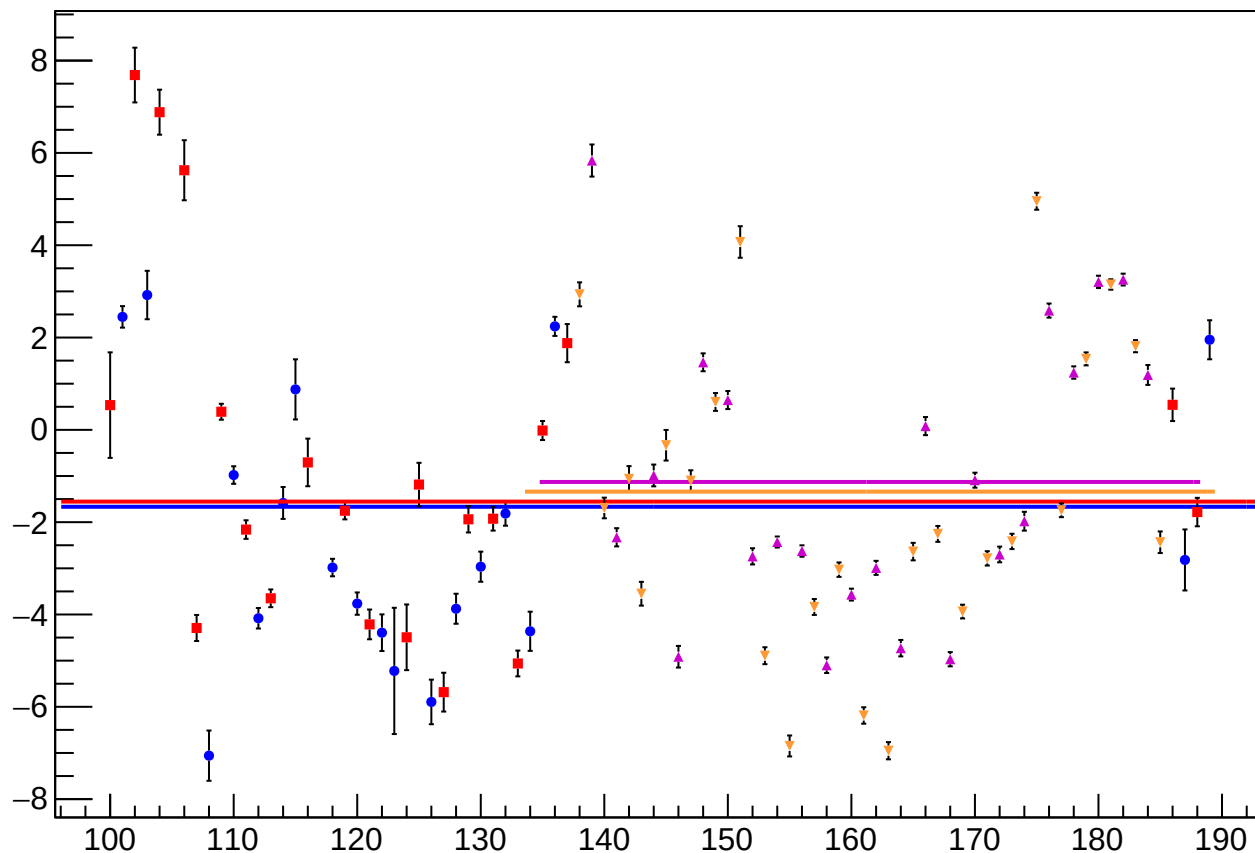
Right: -2.497 $\pm$ 0.053 χ^2 /NDF: 1778.1/39

In: 13.633 $\pm$ 0.035 χ^2 /NDF:80837.1/41

Out: 12.639 $\pm$ 0.033 χ^2 /NDF:152473.0/45

All: 13.118 $\pm$ 0.024 χ^2 /NDF: 233735.0/87

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.666 ± 0.069 χ^2/NDF : 1422.8/18

Left Out: -1.338 ± 0.036 χ^2/NDF : 7920.8/24

Right Out: -1.554 ± 0.063 χ^2/NDF : 1524.5/20

Left In: -1.129 ± 0.034 χ^2/NDF : 6778.7/22

Left: -1.228 ± 0.025 χ^2/NDF : 14717.3/47

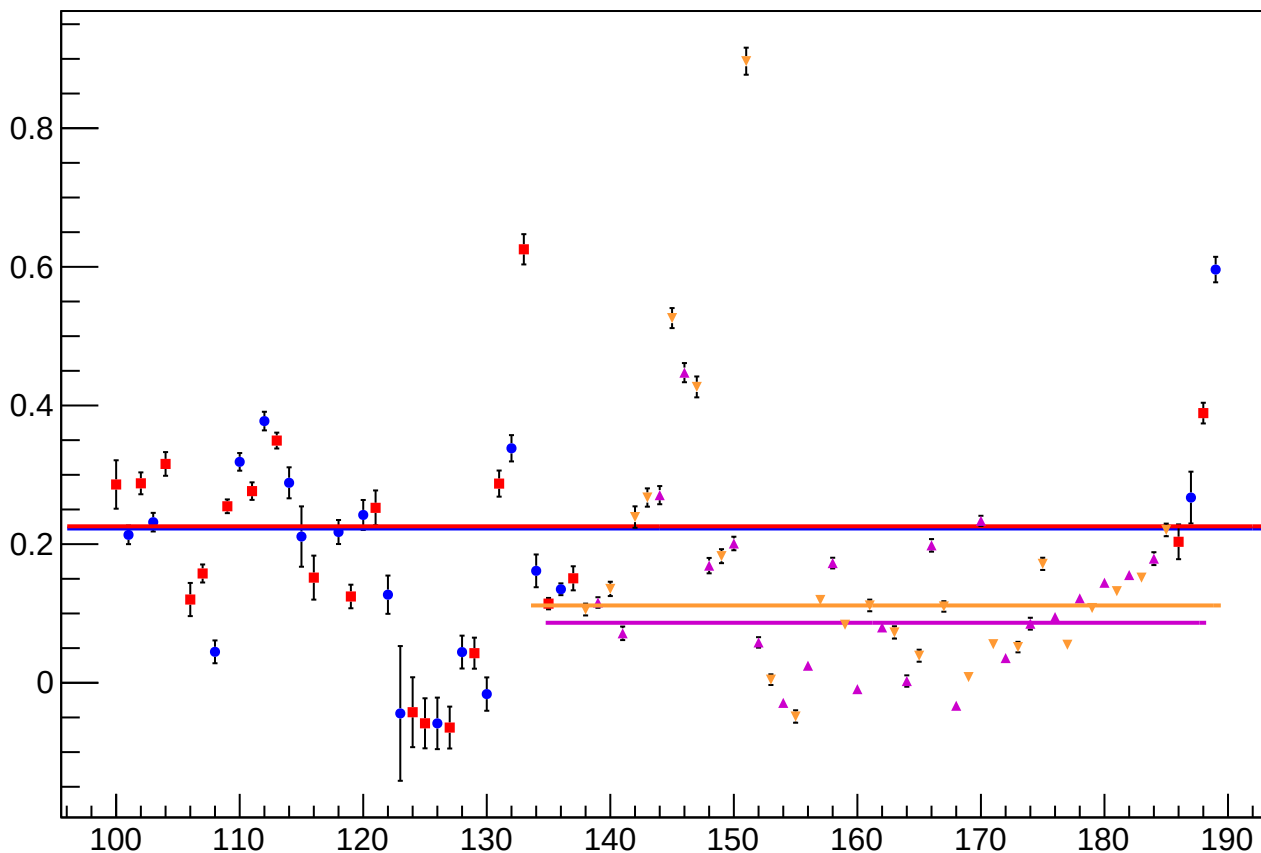
Right: -1.605 ± 0.047 χ^2/NDF : 2948.7/39

In: -1.234 ± 0.031 χ^2/NDF : 8250.3/41

Out: -1.391 ± 0.031 χ^2/NDF : 9454.2/45

All: -1.311 ± 0.022 χ^2/NDF : 17717.3/87

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.223 $\pm$ 0.004 χ^2 /NDF: 1113.6/18

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

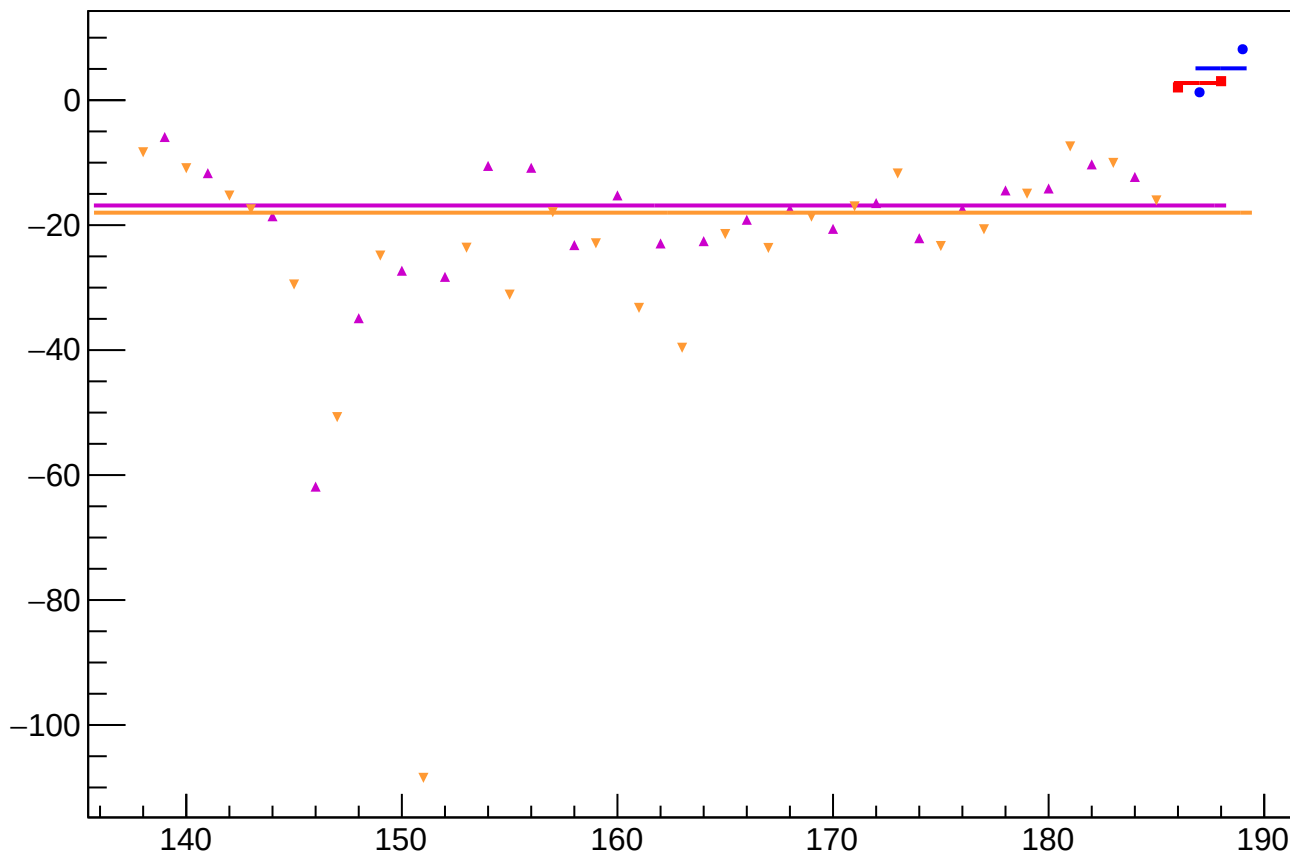
Right: 0.224 $\pm$ 0.003 χ^2 /NDF: 2308.4/39

In: 0.103 $\pm$ 0.001 χ^2 /NDF:5785.3/41

Out: 0.131 $\pm$ 0.001 χ^2 /NDF:6513.4/45

All: 0.116 $\pm$ 0.001 χ^2 /NDF: 12486.4/87

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 5.095+/-0.187 χ^2/NDF : 335.3/1

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

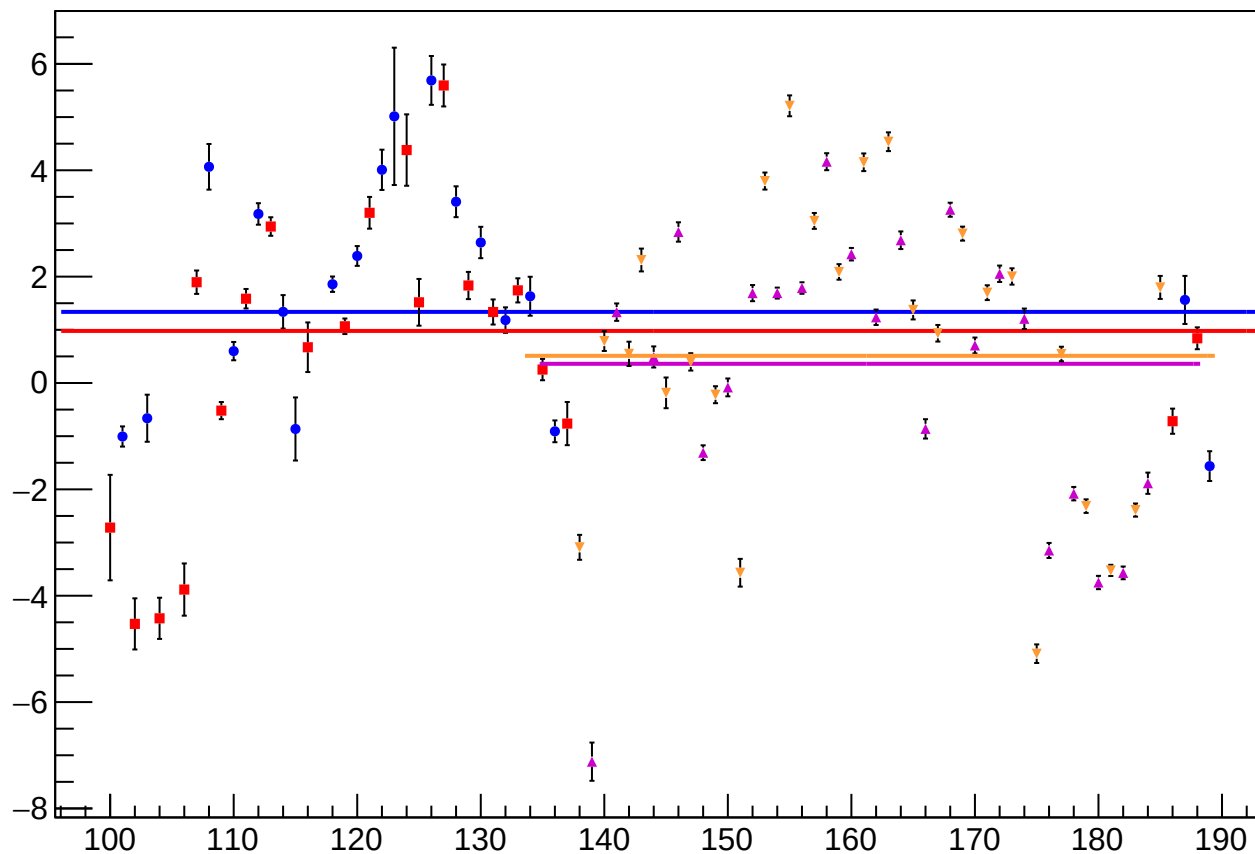
Right: 3.304+/-0.091 χ^2/NDF : 474.9/3

In: -15.994+/-0.037 χ^2/NDF :58256.6/24

Out: -15.489+/-0.036 χ^2/NDF :123247.5/26

All: -15.737+/-0.026 χ^2/NDF : 181599.1/51

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.337 $\pm$ 0.059 χ^2/NDF : 820.0/18

Left Out: 0.511 $\pm$ 0.032 χ^2/NDF : 7053.0/24

Right Out: 0.979 $\pm$ 0.054 χ^2/NDF : 1007.8/20

Left In: 0.361 $\pm$ 0.030 χ^2/NDF : 6273.5/22

Left: 0.432 $\pm$ 0.022 χ^2/NDF : 13338.0/47

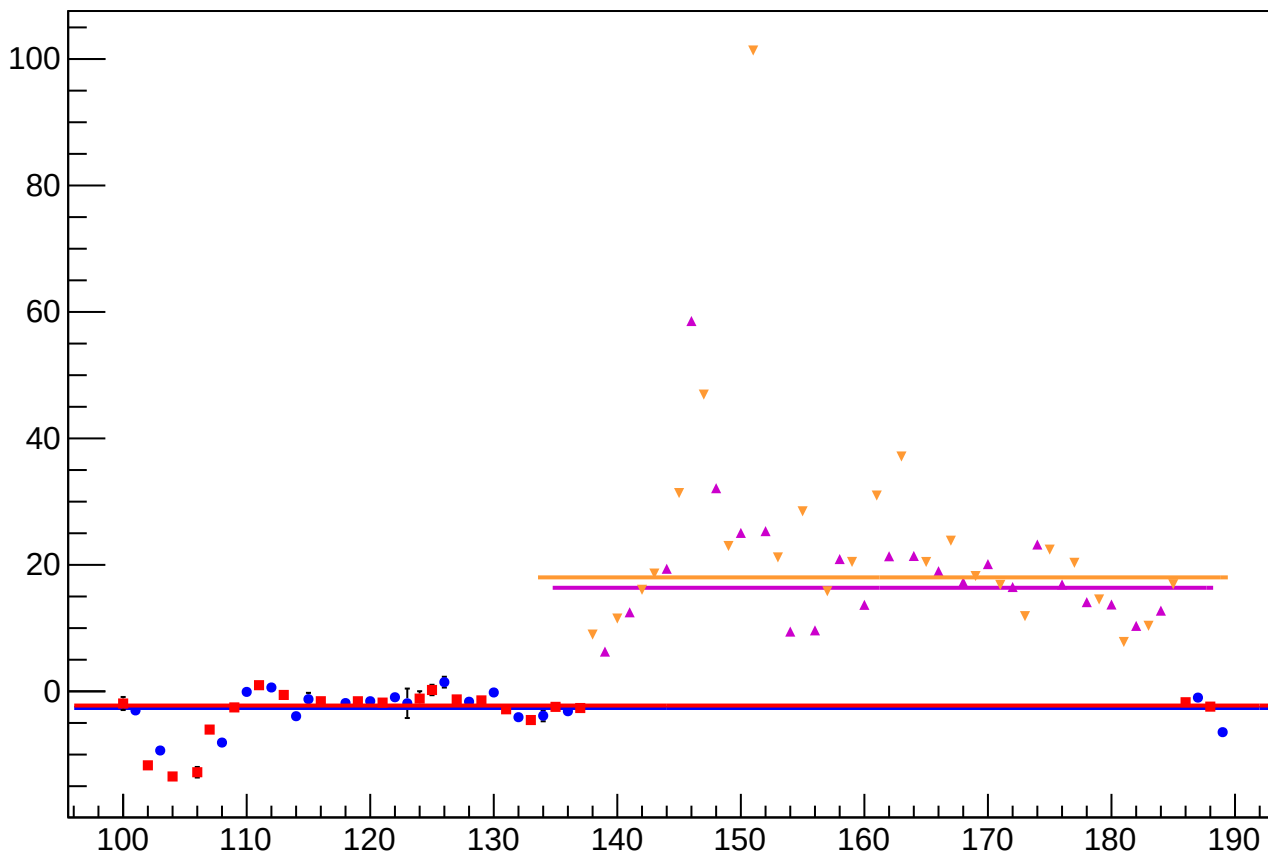
Right: 1.144 $\pm$ 0.040 χ^2/NDF : 1847.8/39

In: 0.567 $\pm$ 0.027 χ^2/NDF : 7310.3/41

Out: 0.633 $\pm$ 0.028 χ^2/NDF : 8115.7/45

All: 0.599 $\pm$ 0.019 χ^2/NDF : 15429.0/87

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.632 ± 0.090 $\chi^2/\text{NDF}: 875.1/18$

Left Out: 18.023 ± 0.039 $\chi^2/\text{NDF}: 77674.0/24$

Right Out: -2.246 ± 0.064 $\chi^2/\text{NDF}: 921.4/20$

Left In: 16.377 ± 0.037 $\chi^2/\text{NDF}: 41253.5/22$

Left: 17.168 ± 0.027 $\chi^2/\text{NDF}: 119859.6/47$

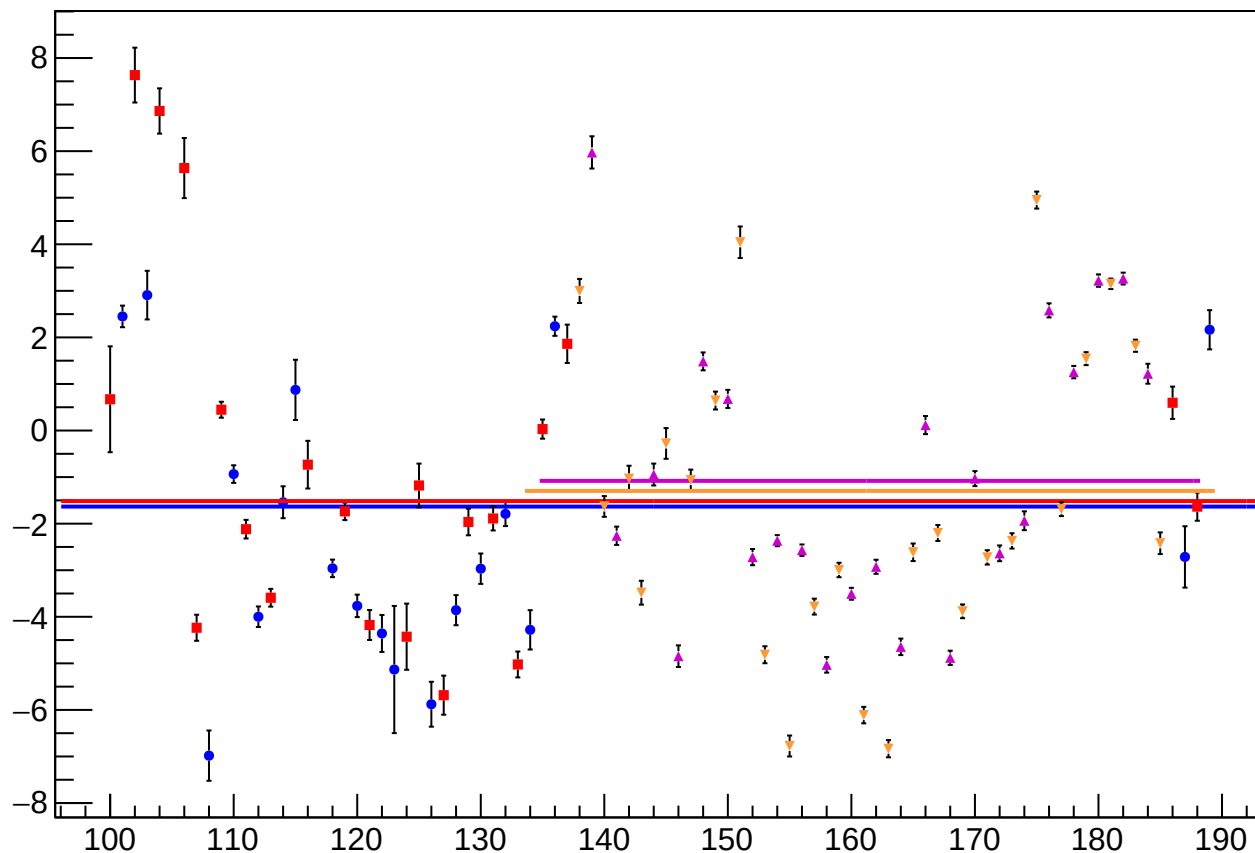
Right: -2.375 ± 0.052 $\chi^2/\text{NDF}: 1808.7/39$

In: 13.578 ± 0.035 $\chi^2/\text{NDF}: 80214.9/41$

Out: 12.541 ± 0.033 $\chi^2/\text{NDF}: 152190.4/45$

All: 13.039 ± 0.024 $\chi^2/\text{NDF}: 232874.8/87$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.633 ± 0.069 χ^2/NDF : 1427.2/18

Left Out: -1.297 ± 0.036 χ^2/NDF : 7903.2/24

Right Out: -1.515 ± 0.063 χ^2/NDF : 1531.1/20

Left In: -1.081 ± 0.034 χ^2/NDF : 6764.0/22

Left: -1.183 ± 0.025 χ^2/NDF : 14686.6/47

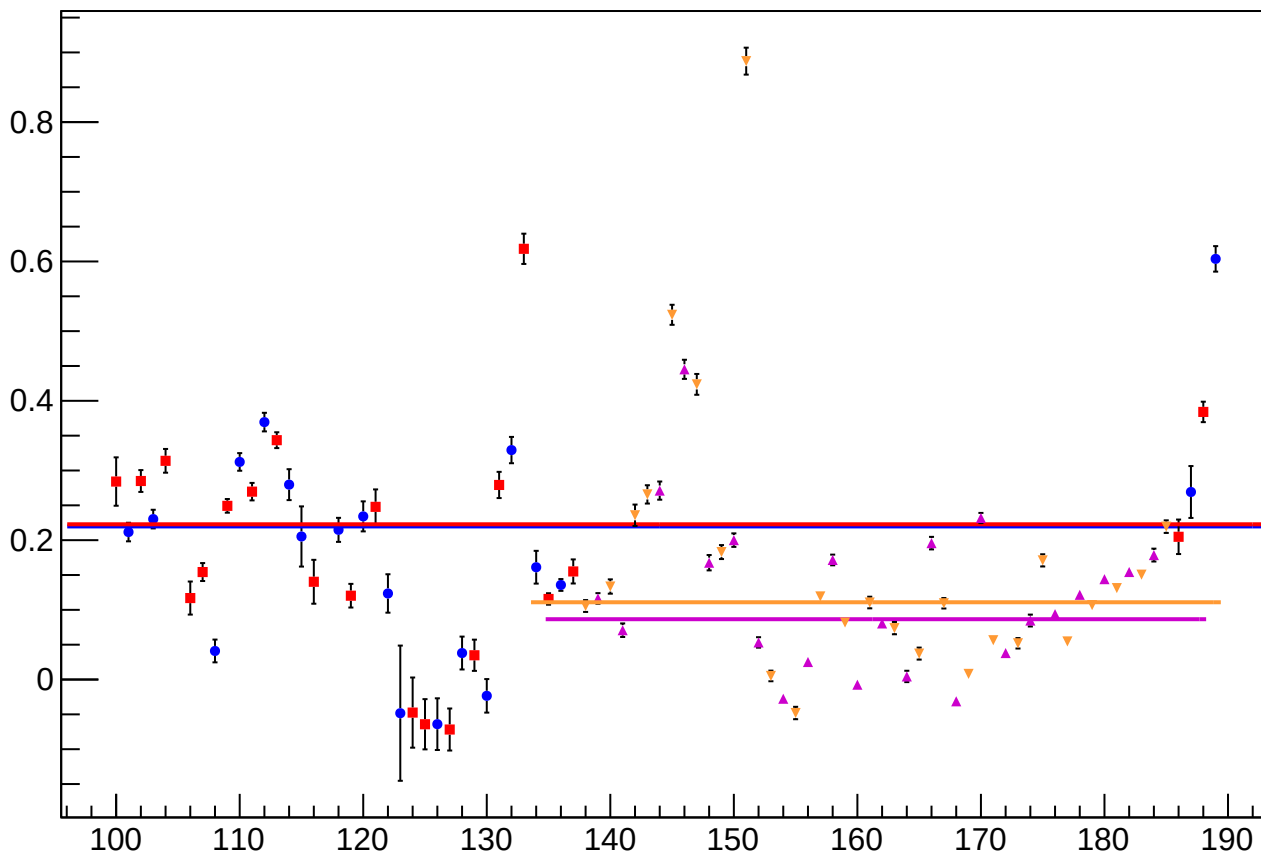
Right: -1.569 ± 0.046 χ^2/NDF : 2960.0/39

In: -1.189 ± 0.030 χ^2/NDF : 8243.4/41

Out: -1.350 ± 0.031 χ^2/NDF : 9443.4/45

All: -1.268 ± 0.022 χ^2/NDF : 17700.6/87

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.220 ± 0.004 $\chi^2/\text{NDF}: 1128.0/18$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4452.0/24$

Right Out: 0.223 ± 0.004 $\chi^2/\text{NDF}: 1179.2/20$

Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3631.4/22$

Left: 0.098 ± 0.001 $\chi^2/\text{NDF}: 8208.0/47$

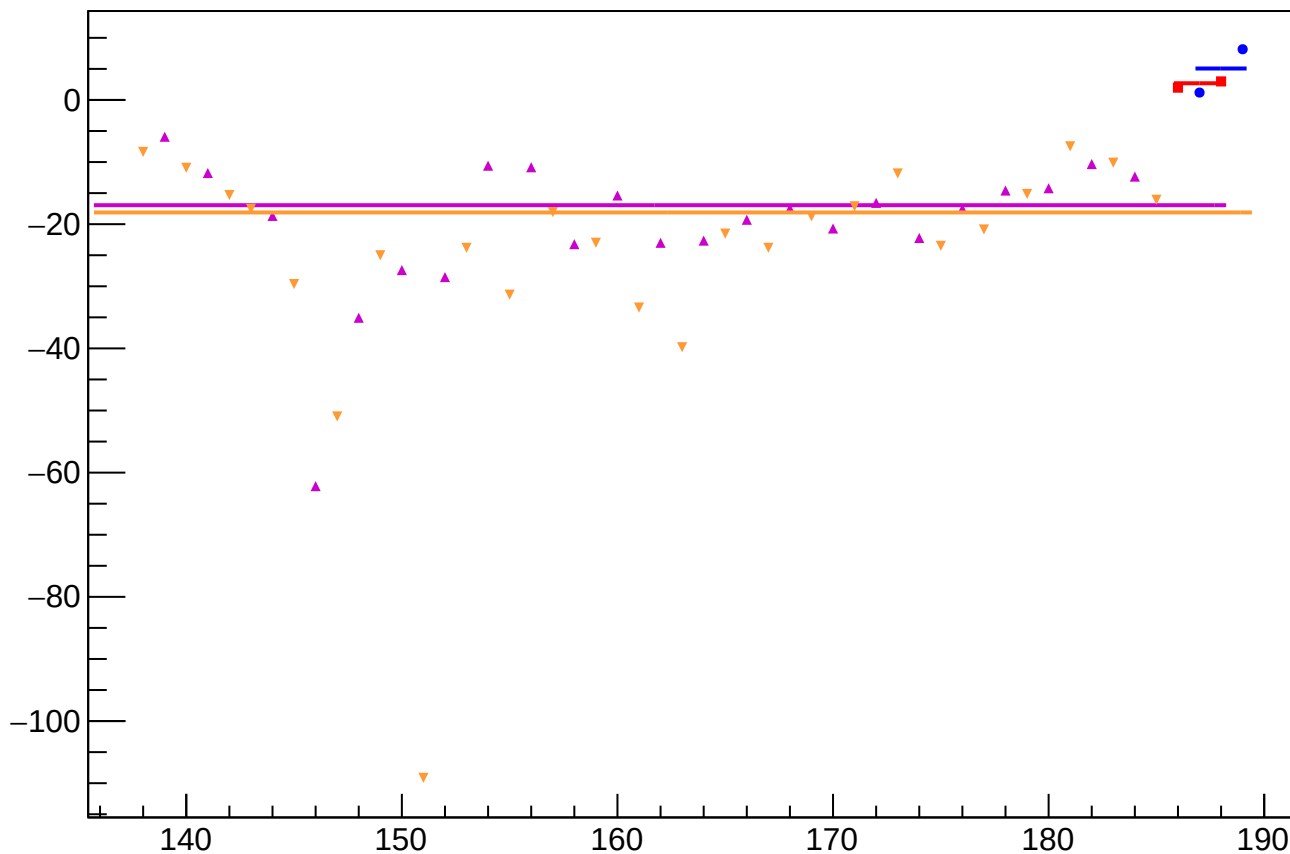
Right: 0.221 ± 0.003 $\chi^2/\text{NDF}: 2307.5/39$

In: 0.103 ± 0.001 $\chi^2/\text{NDF}: 5737.8/41$

Out: 0.130 ± 0.001 $\chi^2/\text{NDF}: 6466.8/45$

All: 0.116 ± 0.001 $\chi^2/\text{NDF}: 12385.4/87$

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



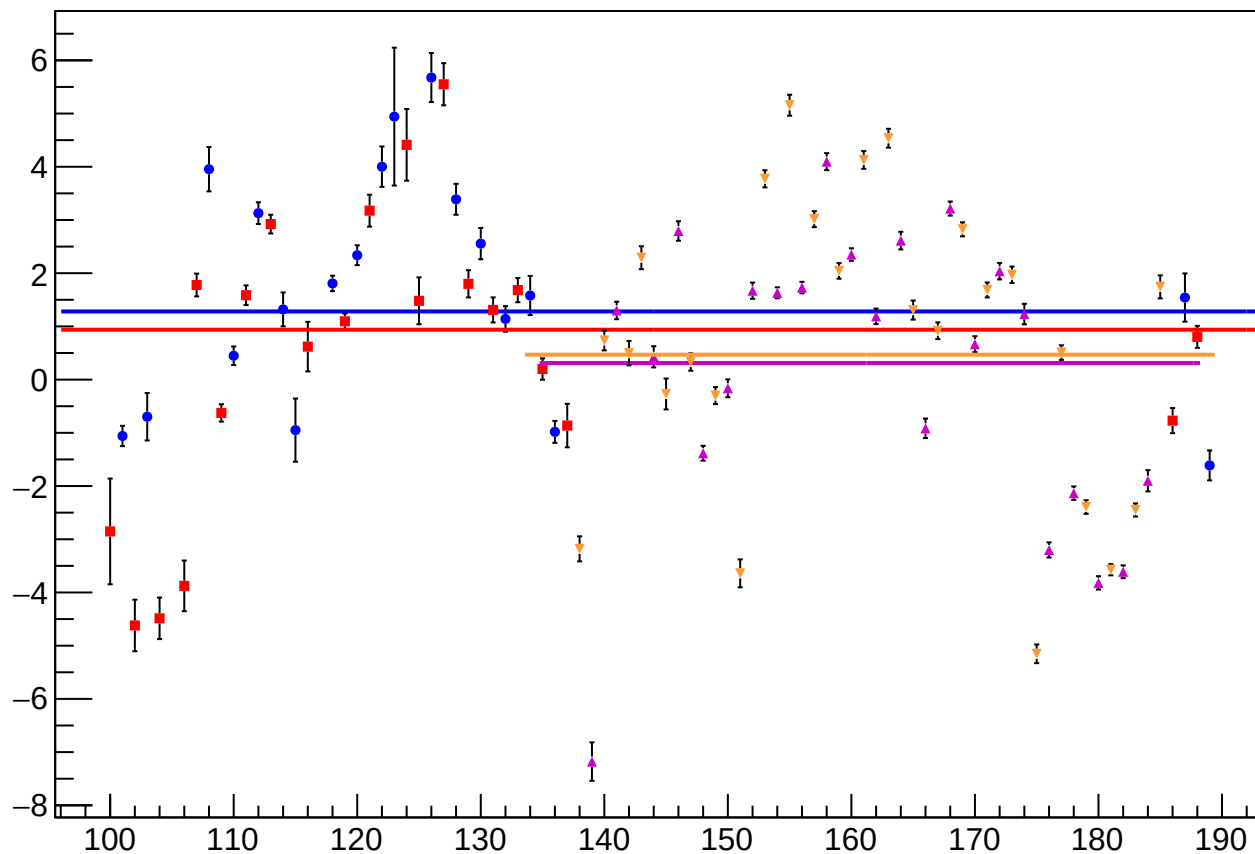
Right In: 5.062 $\pm$ 0.188 χ^2 /NDF: 341.2/1
 Left Out: -18.112 $\pm$ 0.039 χ^2 /NDF:88488.2/24
 Right Out: 2.686 $\pm$ 0.104 χ^2 /NDF: 19.3/1
 Left In: -16.945 $\pm$ 0.038 χ^2 /NDF:44756.2/22

Left: -17.514 $\pm$ 0.027 χ^2 /NDF: 133707.4/47
 Right: 3.248 $\pm$ 0.091 χ^2 /NDF: 482.8/3

In: -16.083 $\pm$ 0.037 χ^2 /NDF:58303.9/24
 Out: -15.583 $\pm$ 0.036 χ^2 /NDF:123358.3/26

All: -15.828 $\pm$ 0.026 χ^2 /NDF: 181754.5/51

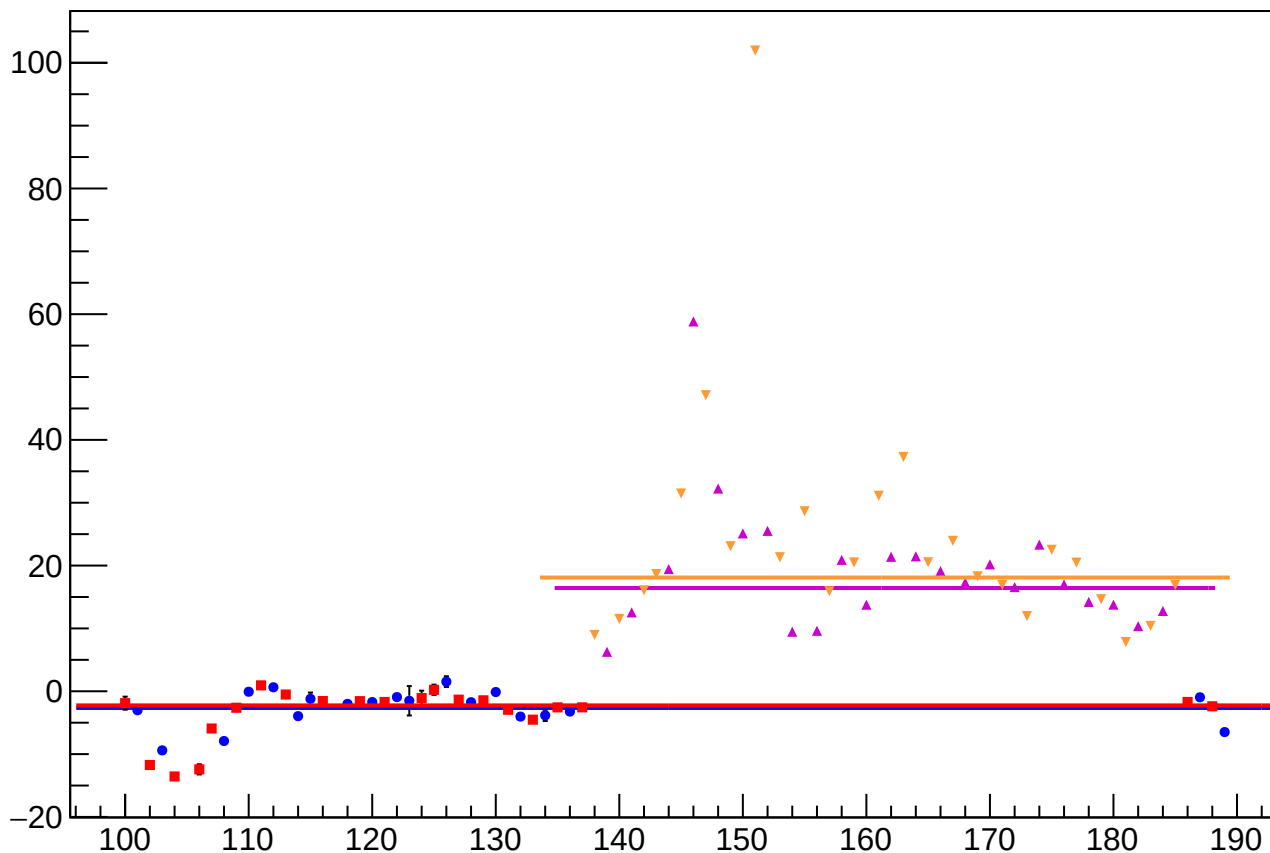
reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.281 ± 0.059 $\chi^2/\text{NDF}: 824.5/18$
 Left Out: 0.469 ± 0.032 $\chi^2/\text{NDF}: 7076.8/24$
 Right Out: 0.938 ± 0.054 $\chi^2/\text{NDF}: 1019.9/20$
 Left In: 0.313 ± 0.031 $\chi^2/\text{NDF}: 6235.0/22$

Left: 0.386 ± 0.022 $\chi^2/\text{NDF}: 13324.1/47$
 Right: 1.095 ± 0.040 $\chi^2/\text{NDF}: 1862.6/39$
 In: 0.516 ± 0.027 $\chi^2/\text{NDF}: 7271.0/41$
 Out: 0.591 ± 0.028 $\chi^2/\text{NDF}: 8151.7/45$
 All: 0.553 ± 0.019 $\chi^2/\text{NDF}: 15426.4/87$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.652 ± 0.090 χ^2/NDF : 875.8/18

Left Out: 18.098 ± 0.039 χ^2/NDF : 77793.7/24

Right Out: -2.248 ± 0.064 χ^2/NDF : 916.9/20

Left In: 16.431 ± 0.038 χ^2/NDF : 41337.1/22

Left: 17.232 ± 0.027 χ^2/NDF : 120078.5/47

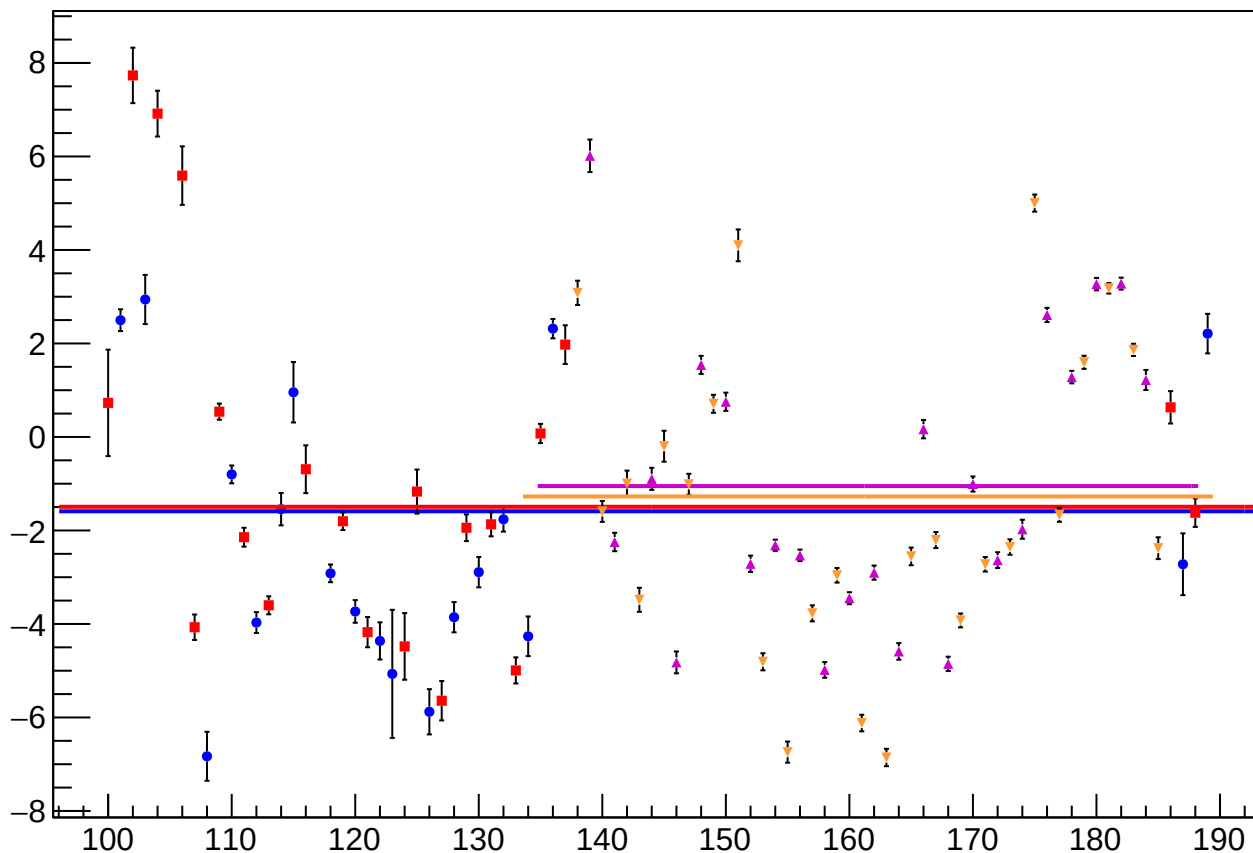
Right: -2.383 ± 0.052 χ^2/NDF : 1806.0/39

In: 13.626 ± 0.035 χ^2/NDF : 80237.2/41

Out: 12.588 ± 0.033 χ^2/NDF : 152321.8/45

All: 13.087 ± 0.024 χ^2/NDF : 233025.7/87

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.590 ± 0.069 χ^2/NDF : 1433.2/18

Left Out: -1.273 ± 0.036 χ^2/NDF : 7931.0/24

Right Out: -1.493 ± 0.063 χ^2/NDF : 1543.7/20

Left In: -1.050 ± 0.034 χ^2/NDF : 6713.0/22

Left: -1.156 ± 0.025 χ^2/NDF : 14664.3/47

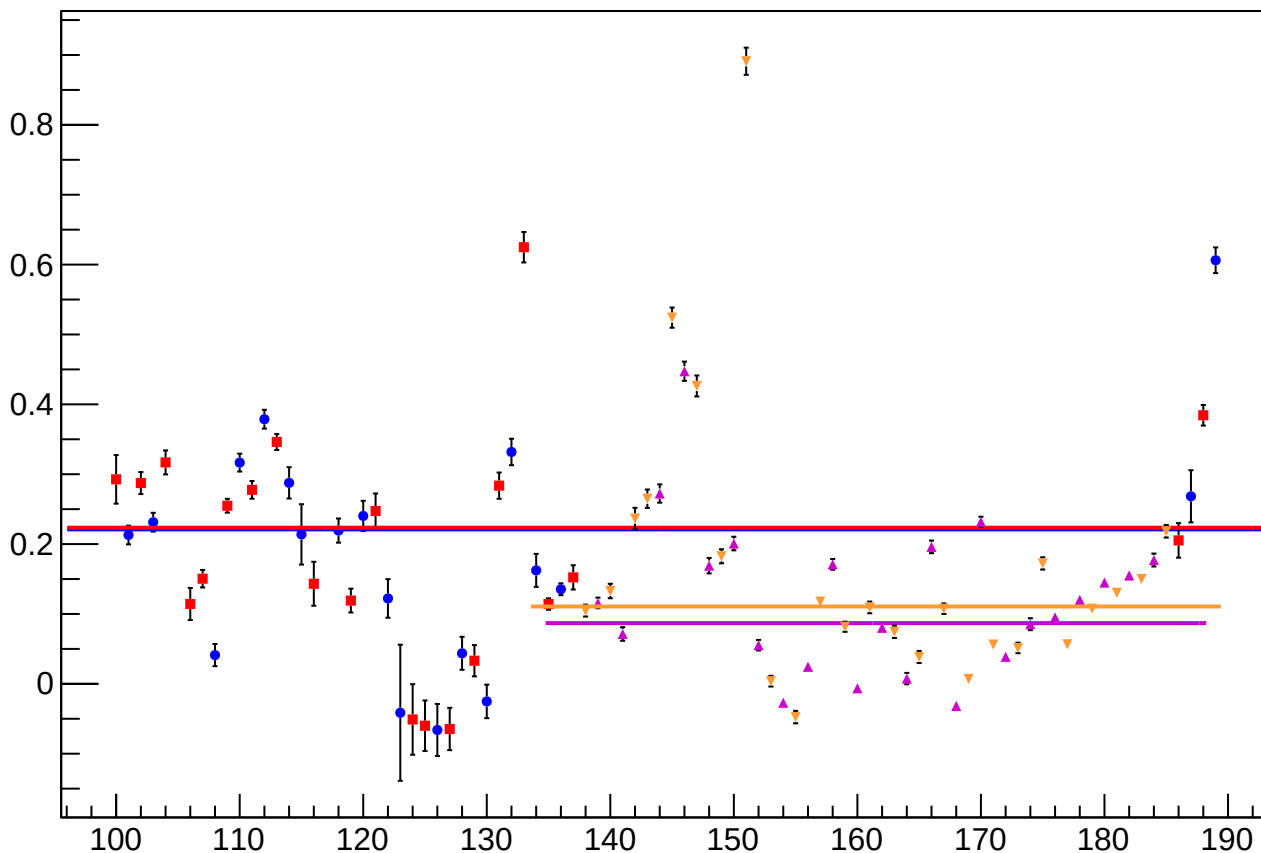
Right: -1.537 ± 0.047 χ^2/NDF : 2978.0/39

In: -1.156 ± 0.030 χ^2/NDF : 8195.4/41

Out: -1.327 ± 0.031 χ^2/NDF : 9483.9/45

All: -1.239 ± 0.022 χ^2/NDF : 17694.8/87

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.221 ± 0.004 $\chi^2/\text{NDF}: 1155.1/18$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4430.3/24$

Right Out: 0.223 ± 0.004 $\chi^2/\text{NDF}: 1209.7/20$

Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3604.3/22$

Left: 0.098 ± 0.001 $\chi^2/\text{NDF}: 8153.0/47$

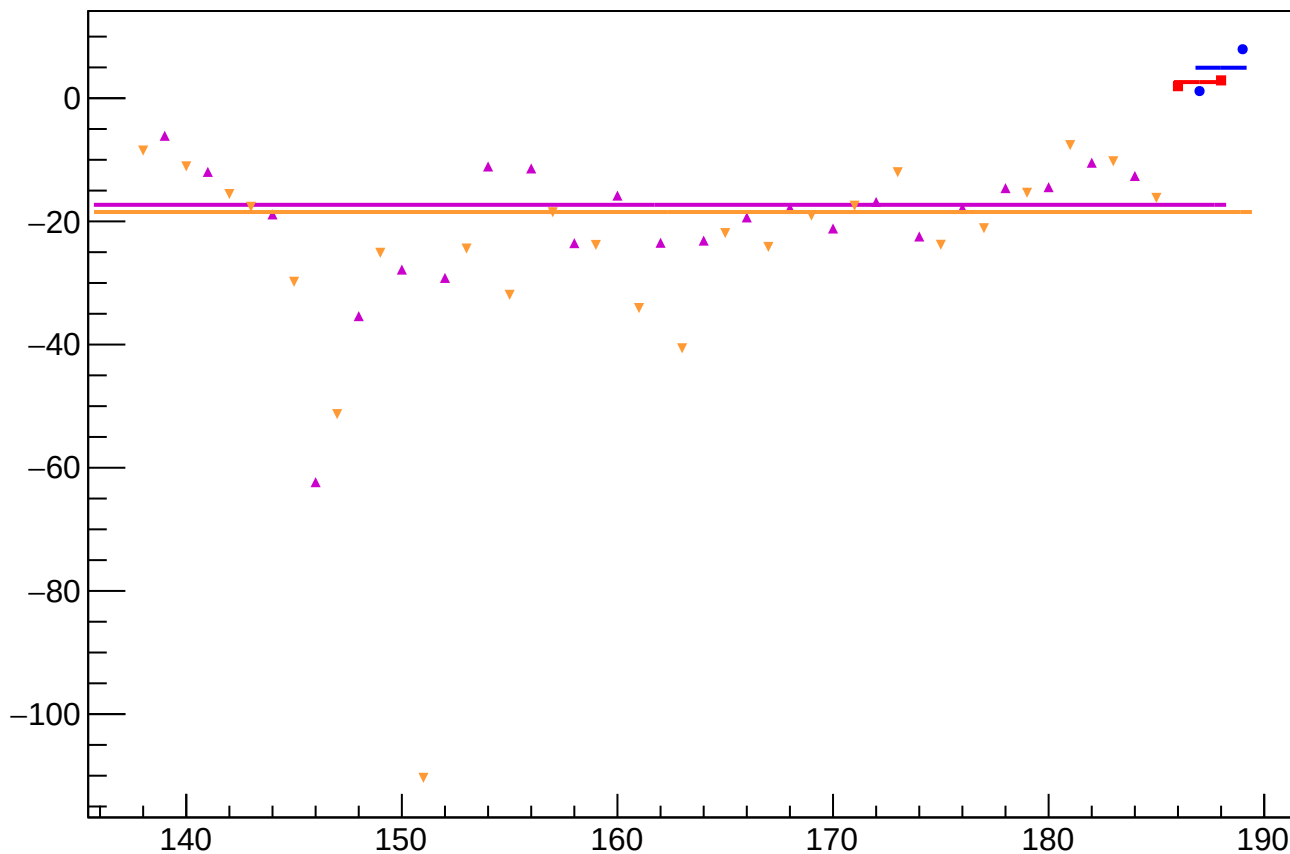
Right: 0.222 ± 0.003 $\chi^2/\text{NDF}: 2365.0/39$

In: 0.103 ± 0.001 $\chi^2/\text{NDF}: 5745.9/41$

Out: 0.130 ± 0.001 $\chi^2/\text{NDF}: 6484.5/45$

All: 0.116 ± 0.001 $\chi^2/\text{NDF}: 12404.2/87$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.949+/-0.188 χ^2/NDF : 320.9/1

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

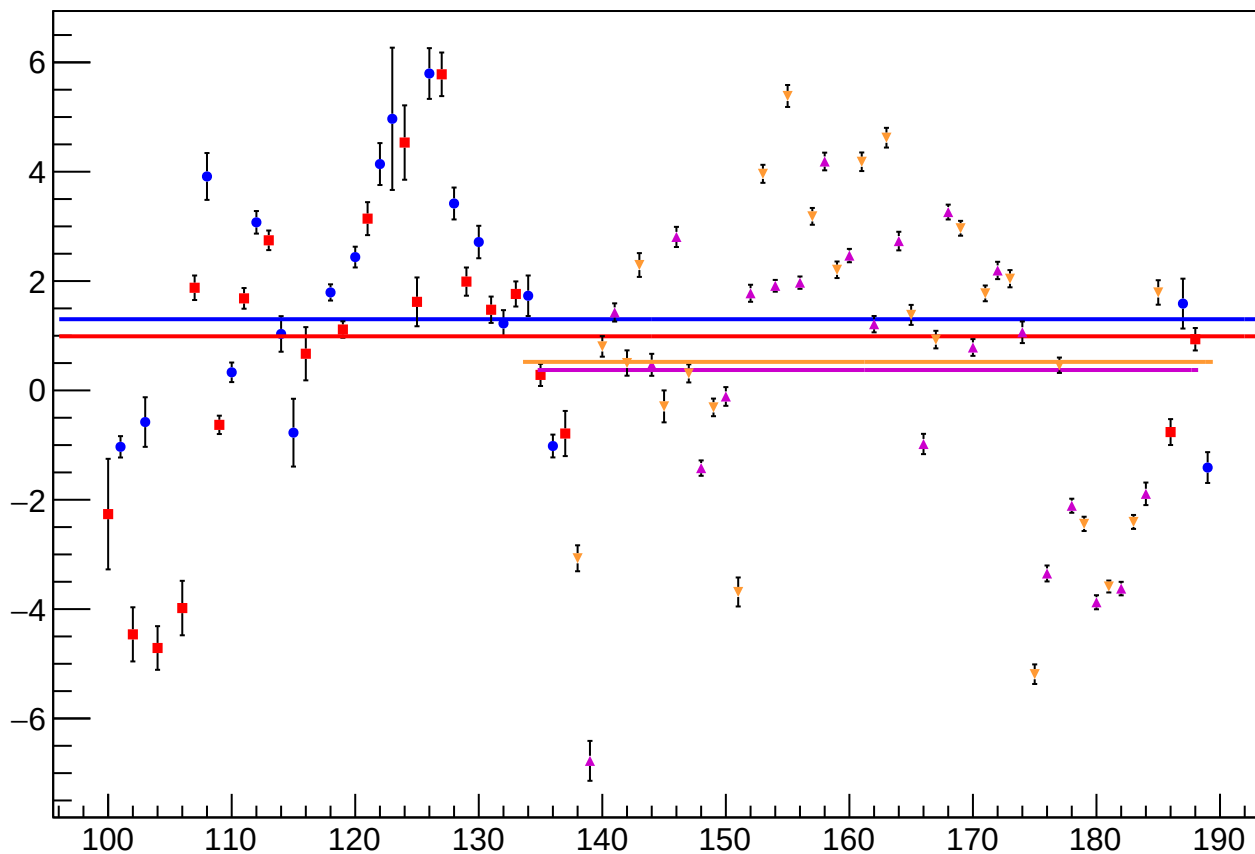
Right: 3.163+/-0.091 χ^2/NDF : 455.1/3

In: -16.403+/-0.038 χ^2/NDF : 57520.6/24

Out: -15.793+/-0.037 χ^2/NDF : 123728.9/26

All: -16.091+/-0.027 χ^2/NDF : 181381.6/51

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.302 $\pm$ 0.060 χ^2 /NDF: 808.6/18

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

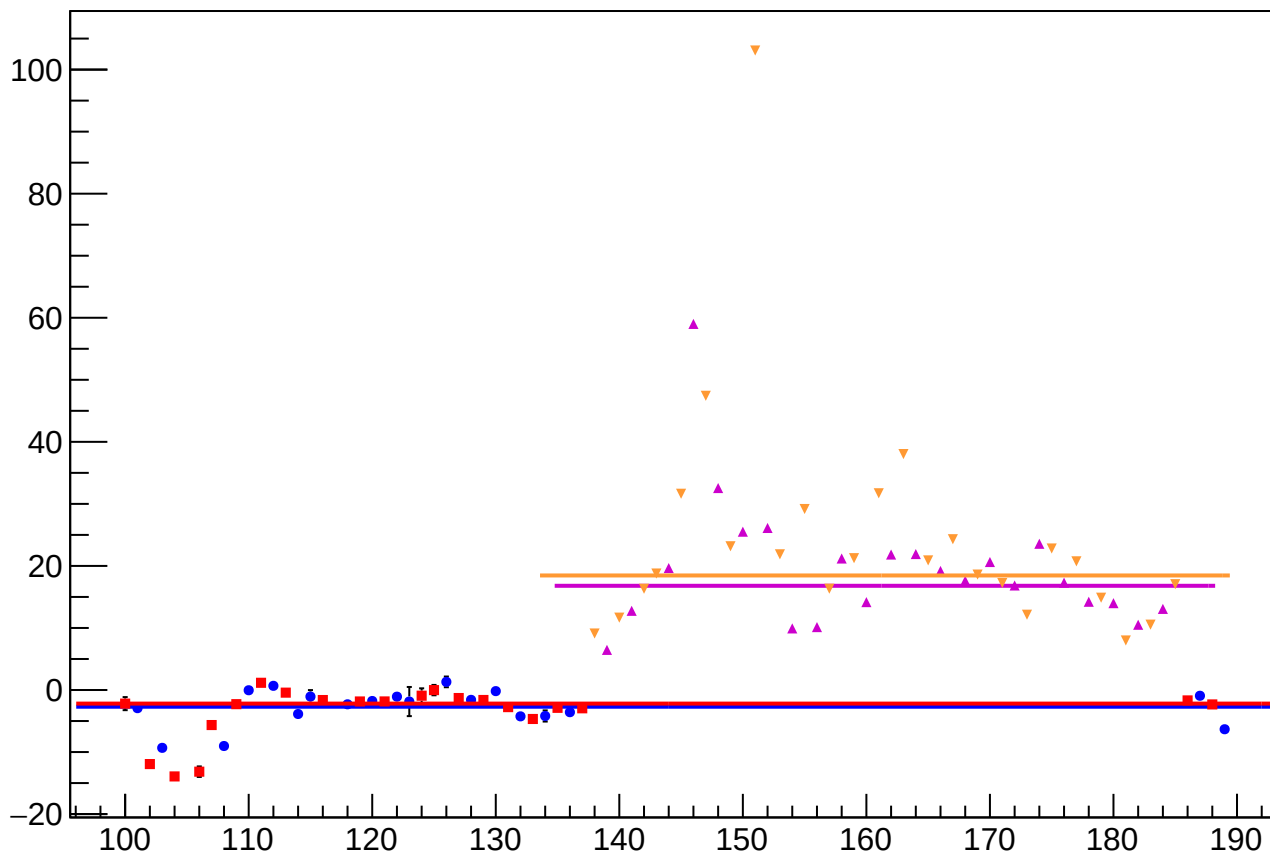
Right: 1.133 $\pm$ 0.041 χ^2 /NDF: 1818.1/39

In: 0.571 $\pm$ 0.028 χ^2 /NDF:7260.1/41

Out: 0.644 $\pm$ 0.028 χ^2 /NDF:8085.7/45

All: 0.607 $\pm$ 0.020 χ^2 /NDF: 15349.2/87

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.692 ± 0.092 χ^2/NDF : 861.9/18

Left Out: 18.463 ± 0.040 χ^2/NDF : 77193.5/24

Right Out: -2.192 ± 0.064 χ^2/NDF : 932.3/20

Left In: 16.798 ± 0.038 χ^2/NDF : 40258.9/22

Left: 17.599 ± 0.028 χ^2/NDF : 118354.8/47

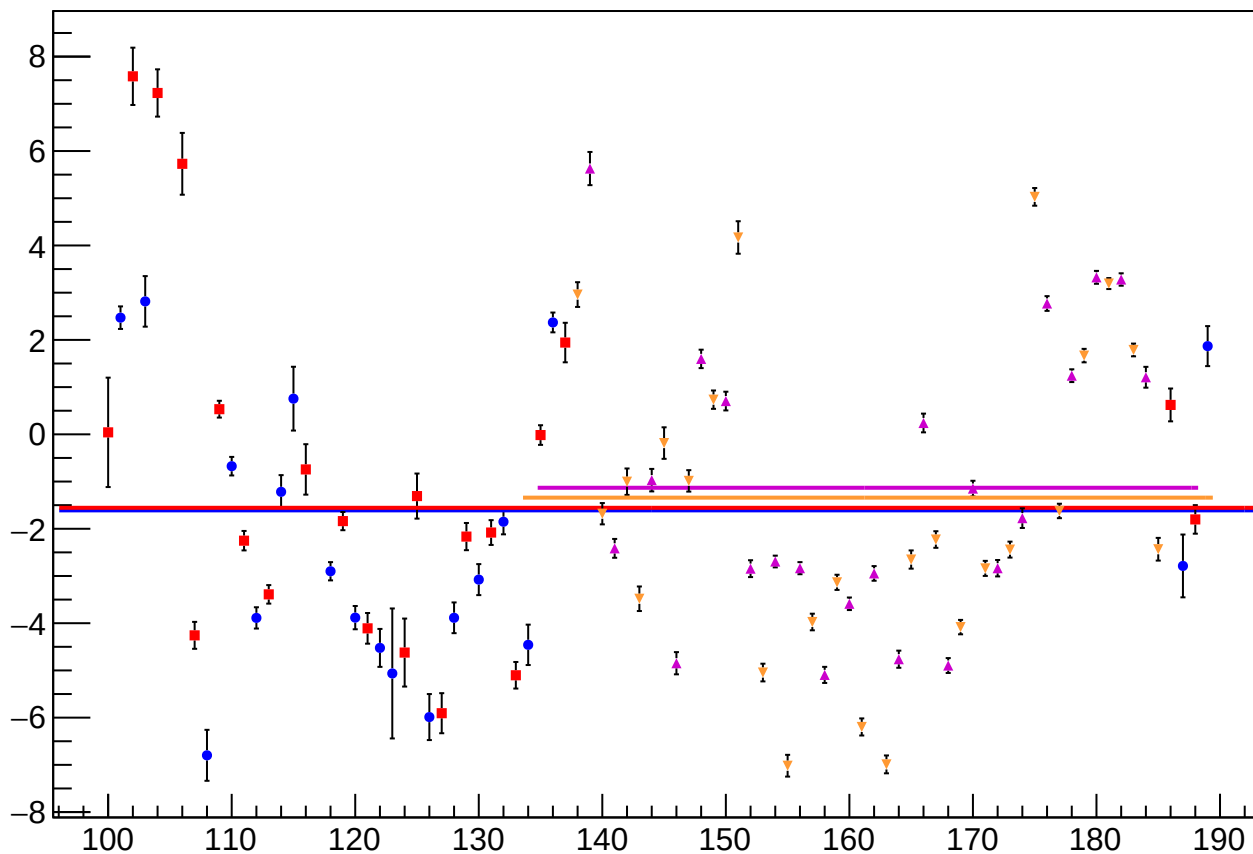
Right: -2.358 ± 0.053 χ^2/NDF : 1814.1/39

In: 13.879 ± 0.035 χ^2/NDF : 79651.5/41

Out: 12.737 ± 0.034 χ^2/NDF : 152315.8/45

All: 13.284 ± 0.025 χ^2/NDF : 232509.0/87

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.610 ± 0.070 χ^2/NDF : 1405.3/18

Left Out: -1.341 ± 0.037 χ^2/NDF : 7886.0/24

Right Out: -1.556 ± 0.064 χ^2/NDF : 1508.3/20

Left In: -1.132 ± 0.035 χ^2/NDF : 6743.4/22

Left: -1.231 ± 0.025 χ^2/NDF : 14646.5/47

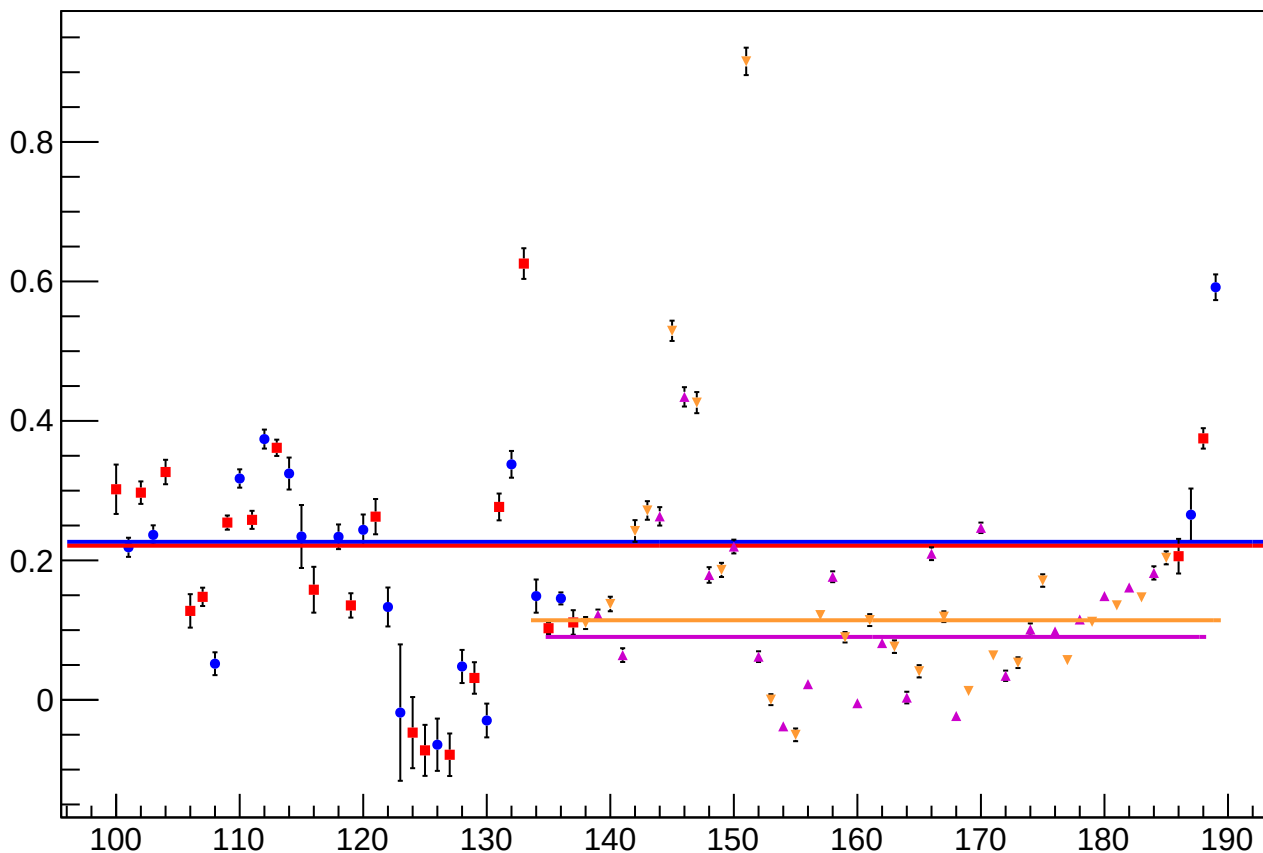
Right: -1.581 ± 0.047 χ^2/NDF : 2913.9/39

In: -1.226 ± 0.031 χ^2/NDF : 8186.0/41

Out: -1.394 ± 0.032 χ^2/NDF : 9402.7/45

All: -1.308 ± 0.022 χ^2/NDF : 17602.9/87

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.227 $\pm$ 0.004 χ^2/NDF : 1071.2/18

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

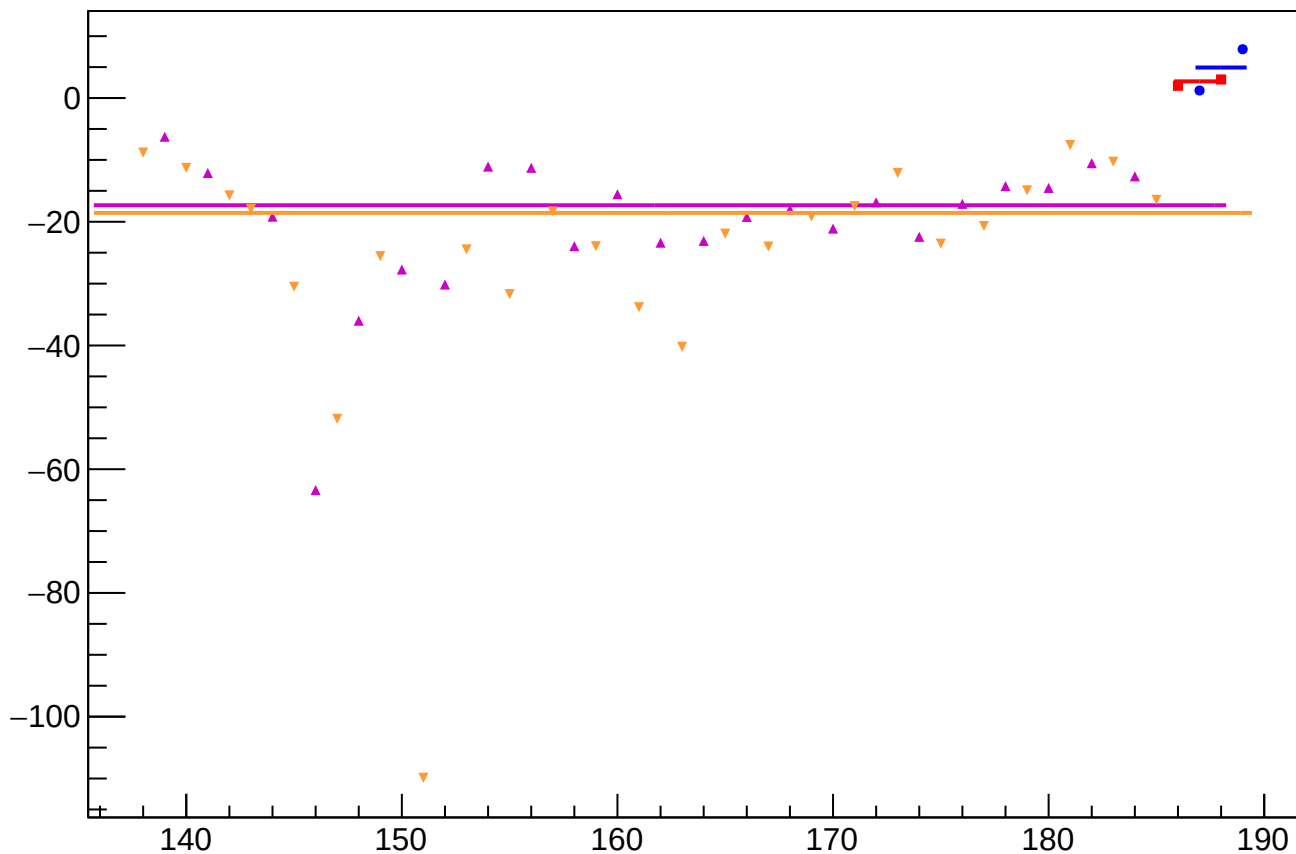
Right: 0.223 $\pm$ 0.003 χ^2/NDF : 2335.5/39

In: 0.107 $\pm$ 0.001 χ^2/NDF : 5733.1/41

Out: 0.132 $\pm$ 0.001 χ^2/NDF : 6376.1/45

All: 0.119 $\pm$ 0.001 χ^2/NDF : 12259.1/87

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.932 ± 0.189 $\chi^2/\text{NDF}: 307.1/1$

Left Out: -18.565 ± 0.040 $\chi^2/\text{NDF}: 86349.5/24$

Right Out: 2.692 ± 0.106 $\chi^2/\text{NDF}: 19.3/1$

Left In: -17.335 ± 0.039 $\chi^2/\text{NDF}: 44078.7/22$

Left: -17.934 ± 0.028 $\chi^2/\text{NDF}: 130909.9/47$

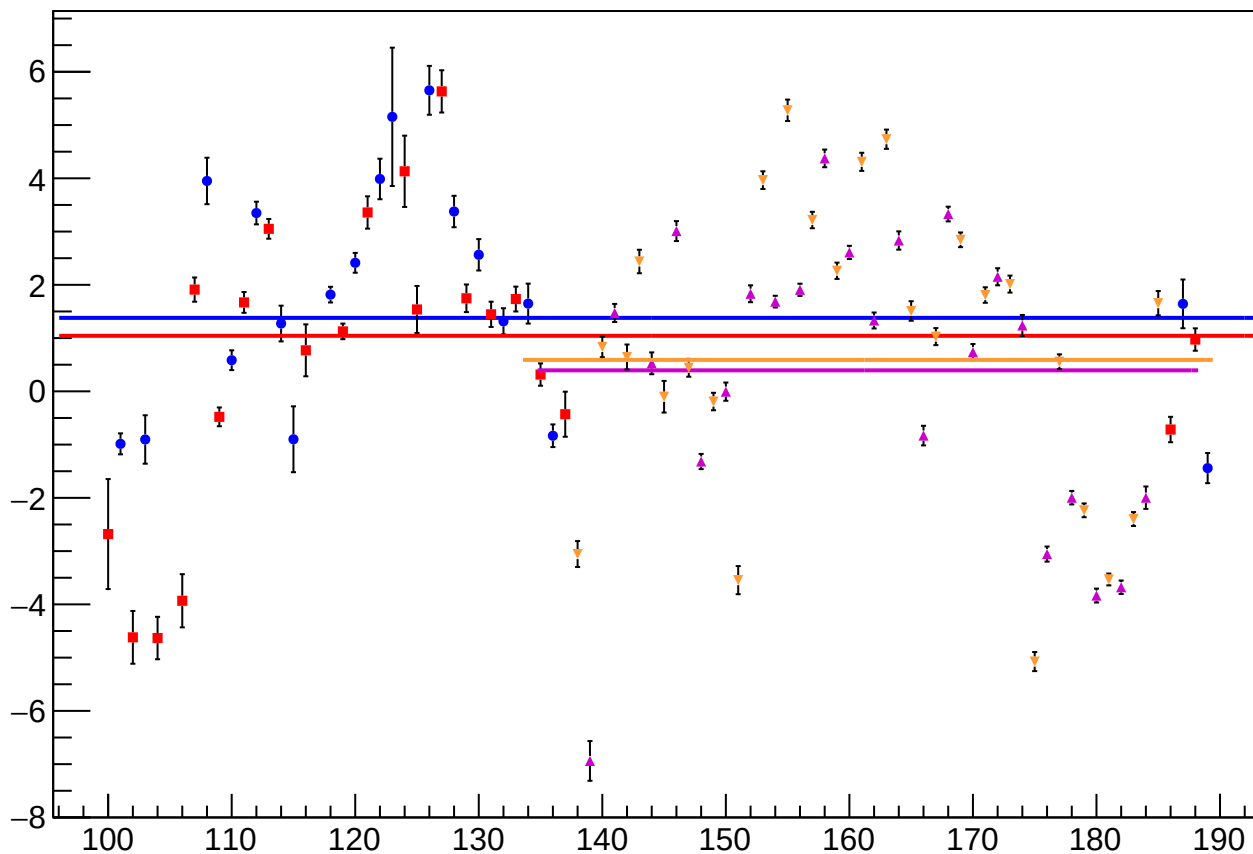
Right: 3.228 ± 0.092 $\chi^2/\text{NDF}: 433.2/3$

In: -16.420 ± 0.038 $\chi^2/\text{NDF}: 57679.7/24$

Out: -15.900 ± 0.038 $\chi^2/\text{NDF}: 121535.7/26$

All: -16.154 ± 0.027 $\chi^2/\text{NDF}: 179309.5/51$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.380 ± 0.061 $\chi^2/\text{NDF}: 773.8/18$

Left Out: 0.590 ± 0.033 $\chi^2/\text{NDF}: 6780.3/24$

Right Out: 1.043 ± 0.056 $\chi^2/\text{NDF}: 975.4/20$

Left In: 0.394 ± 0.032 $\chi^2/\text{NDF}: 6112.7/22$

Left: 0.487 ± 0.023 $\chi^2/\text{NDF}: 12911.2/47$

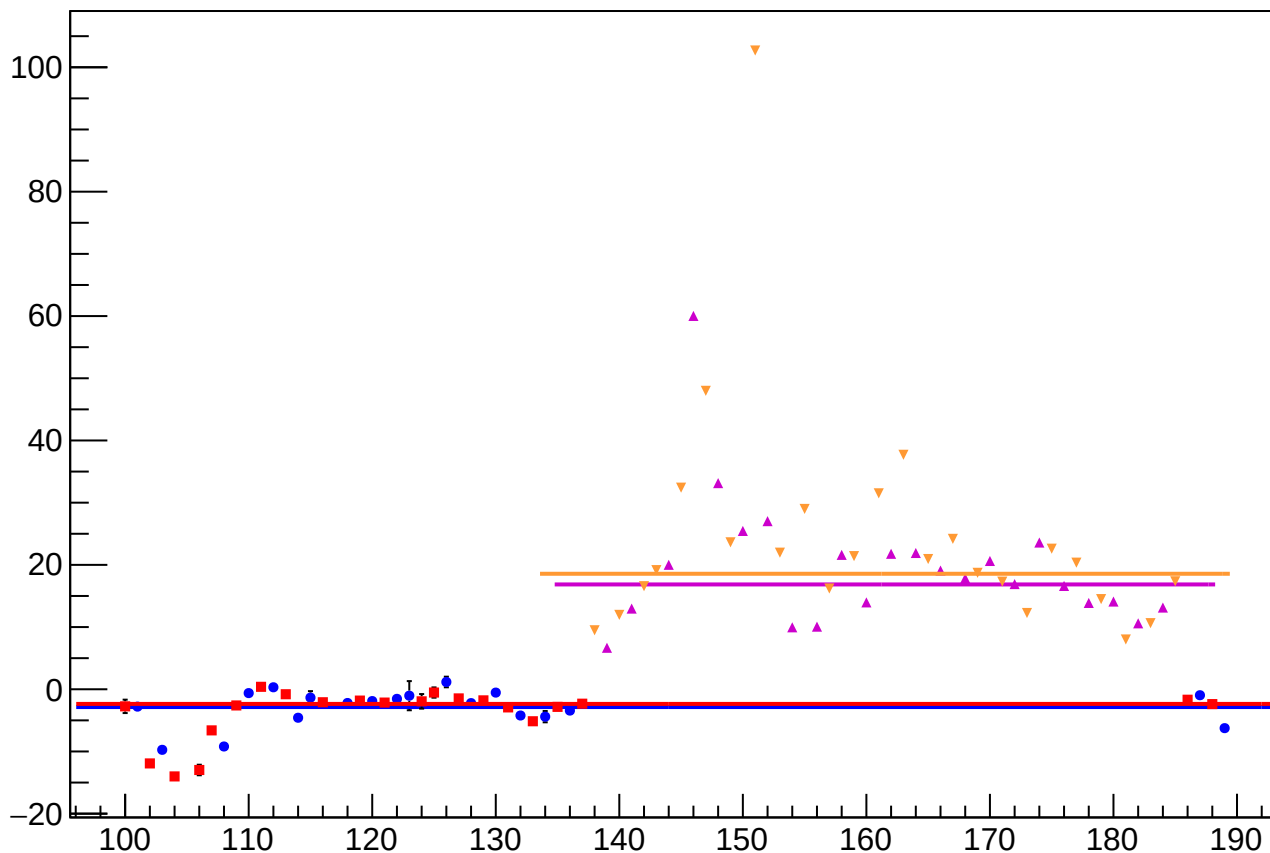
Right: 1.198 ± 0.041 $\chi^2/\text{NDF}: 1765.8/39$

In: 0.605 ± 0.028 $\chi^2/\text{NDF}: 7093.9/41$

Out: 0.708 ± 0.029 $\chi^2/\text{NDF}: 7803.7/45$

All: 0.655 ± 0.020 $\chi^2/\text{NDF}: 14904.3/87$

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.858 ± 0.093 $\chi^2/\text{NDF}: 776.3/18$

Left Out: 18.569 ± 0.040 $\chi^2/\text{NDF}: 75983.2/24$

Right Out: -2.355 ± 0.066 $\chi^2/\text{NDF}: 866.2/20$

Left In: 16.854 ± 0.039 $\chi^2/\text{NDF}: 40590.0/22$

Left: 17.679 ± 0.028 $\chi^2/\text{NDF}: 117514.0/47$

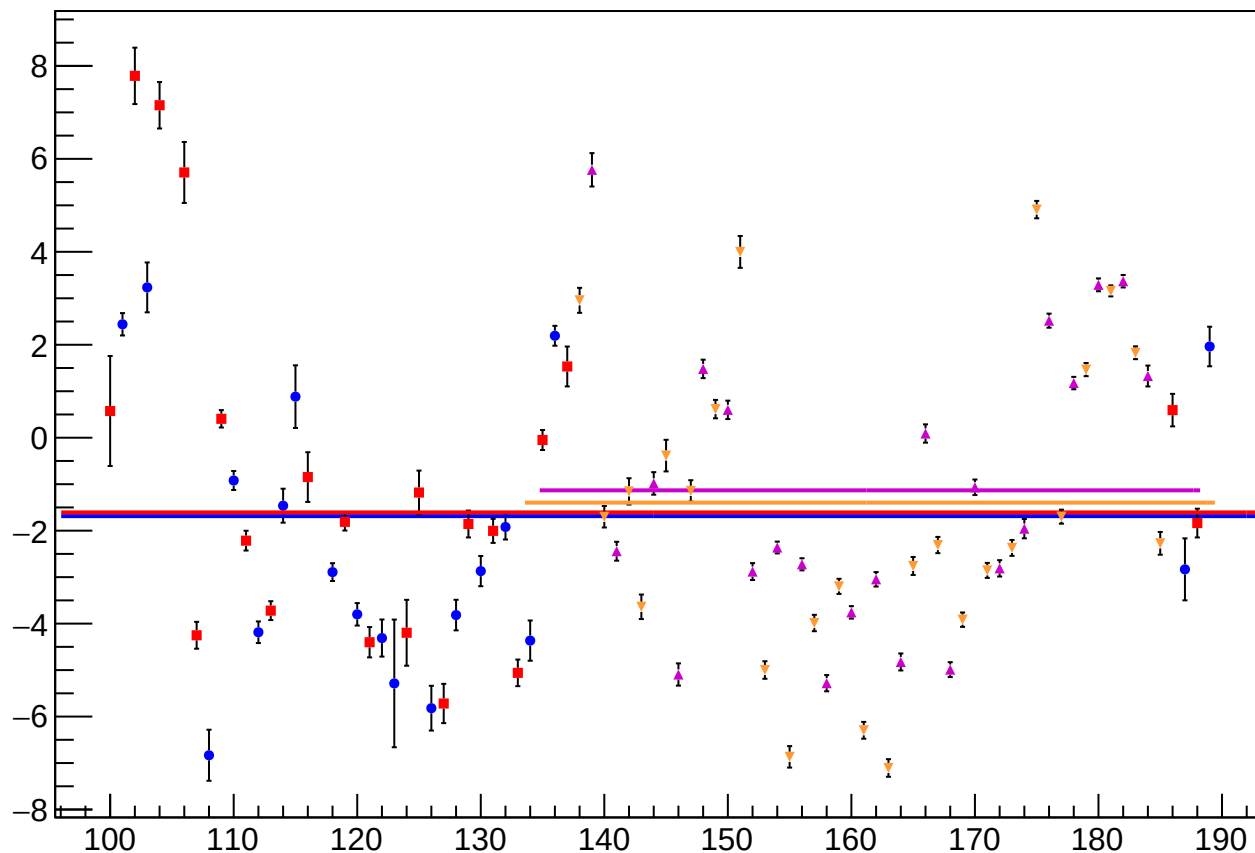
Right: -2.524 ± 0.054 $\chi^2/\text{NDF}: 1662.2/39$

In: 13.913 ± 0.036 $\chi^2/\text{NDF}: 79935.9/41$

Out: 12.856 ± 0.034 $\chi^2/\text{NDF}: 150460.5/45$

All: 13.363 ± 0.025 $\chi^2/\text{NDF}: 230850.7/87$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



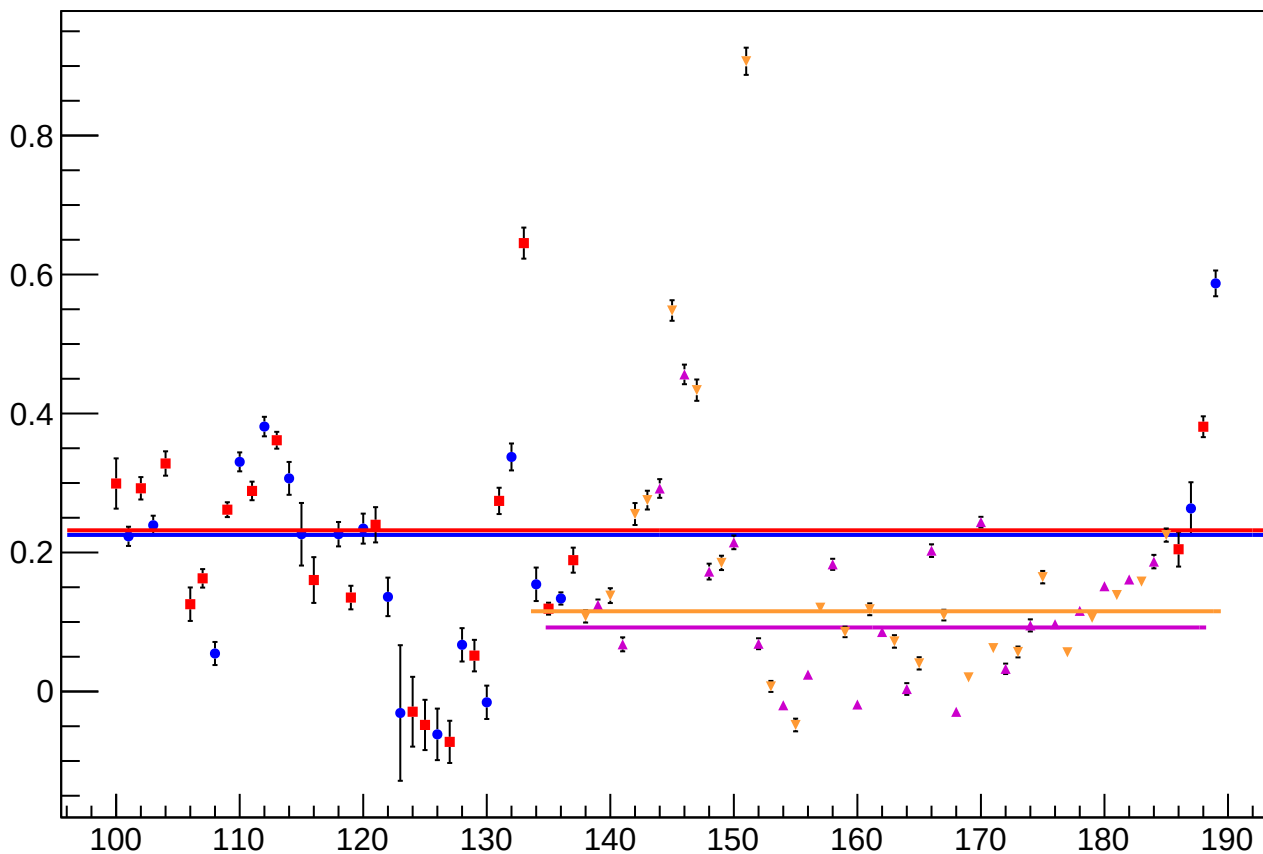
Right In: -1.687 ± 0.071 $\chi^2/\text{NDF}: 1350.1/18$
 Left Out: -1.397 ± 0.037 $\chi^2/\text{NDF}: 7631.3/24$
 Right Out: -1.607 ± 0.065 $\chi^2/\text{NDF}: 1470.8/20$
 Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6638.3/22$

Left: -1.258 ± 0.025 $\chi^2/\text{NDF}: 14296.5/47$
 Right: -1.644 ± 0.048 $\chi^2/\text{NDF}: 2821.6/39$

In: -1.242 ± 0.031 $\chi^2/\text{NDF}: 8037.7/41$
 Out: -1.448 ± 0.032 $\chi^2/\text{NDF}: 9110.0/45$

All: -1.343 ± 0.022 $\chi^2/\text{NDF}: 17168.7/87$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.225 $\pm$ 0.004 χ^2 /NDF: 1055.0/18

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: 0.229 $\pm$ 0.003 χ^2 /NDF: 2204.3/39

In: 0.109 $\pm$ 0.001 χ^2 /NDF:5602.3/41

Out: 0.135 $\pm$ 0.002 χ^2 /NDF:6407.4/45

All: 0.121 $\pm$ 0.001 χ^2 /NDF: 12170.8/87