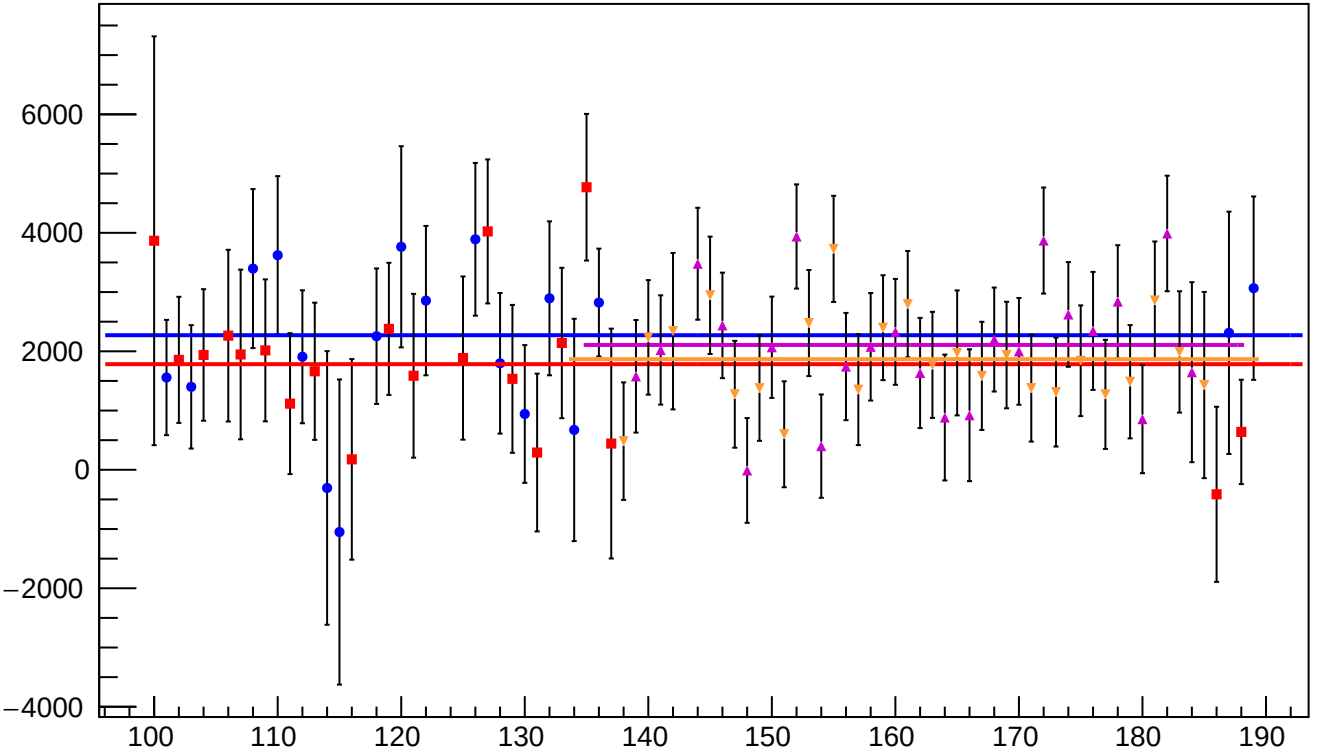
# dit_asym_us_avg_mean vs Slug, Sign Corrected




Right In: 2271.706+/-304.889 $\chi^2$/NDF: 11.6/17

Left Out: 1867.512+/-194.801 $\chi^2$/NDF:15.1/23

Right Out: 1782.809+/-285.554 $\chi^2$/NDF: 17.1/19

Left In: 2107.246+/-194.959 $\chi^2$/NDF:30.0/22

Left: 1987.282+/-137.801 $\chi^2$/NDF: 45.9/46

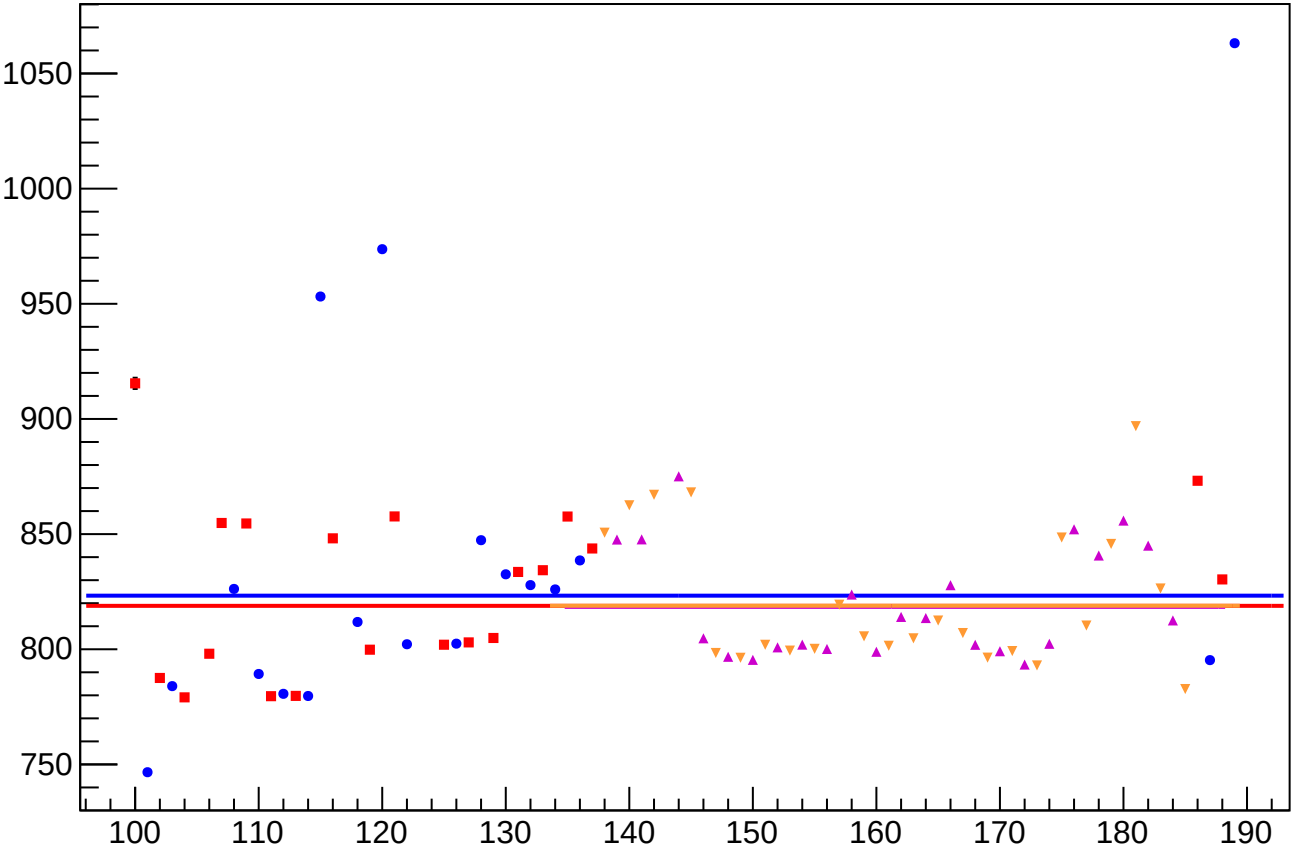
Right: 2011.265+/-208.418 $\chi^2$/NDF: 30.0/37

In: 2154.976+/-164.250 $\chi^2$/NDF:41.8/40

Out: 1840.612+/-160.923 $\chi^2$/NDF:32.2/43

All: 1994.577+/-114.948 $\chi^2$/NDF: 75.9/84

# dit_asym_us_avg_rms vs Slug, Sign Corrected




Right In: 823.274+/-0.216 $\chi^2$/NDF: 92196.8/17

Left Out: 818.900+/-0.138 $\chi^2$/NDF:41670.9/23

Right Out: 818.854+/-0.202 $\chi^2$/NDF: 23297.8/19

Left In: 818.403+/-0.138 $\chi^2$/NDF:29907.0/22

Left: 818.652+/-0.097 $\chi^2$/NDF: 71584.4/46

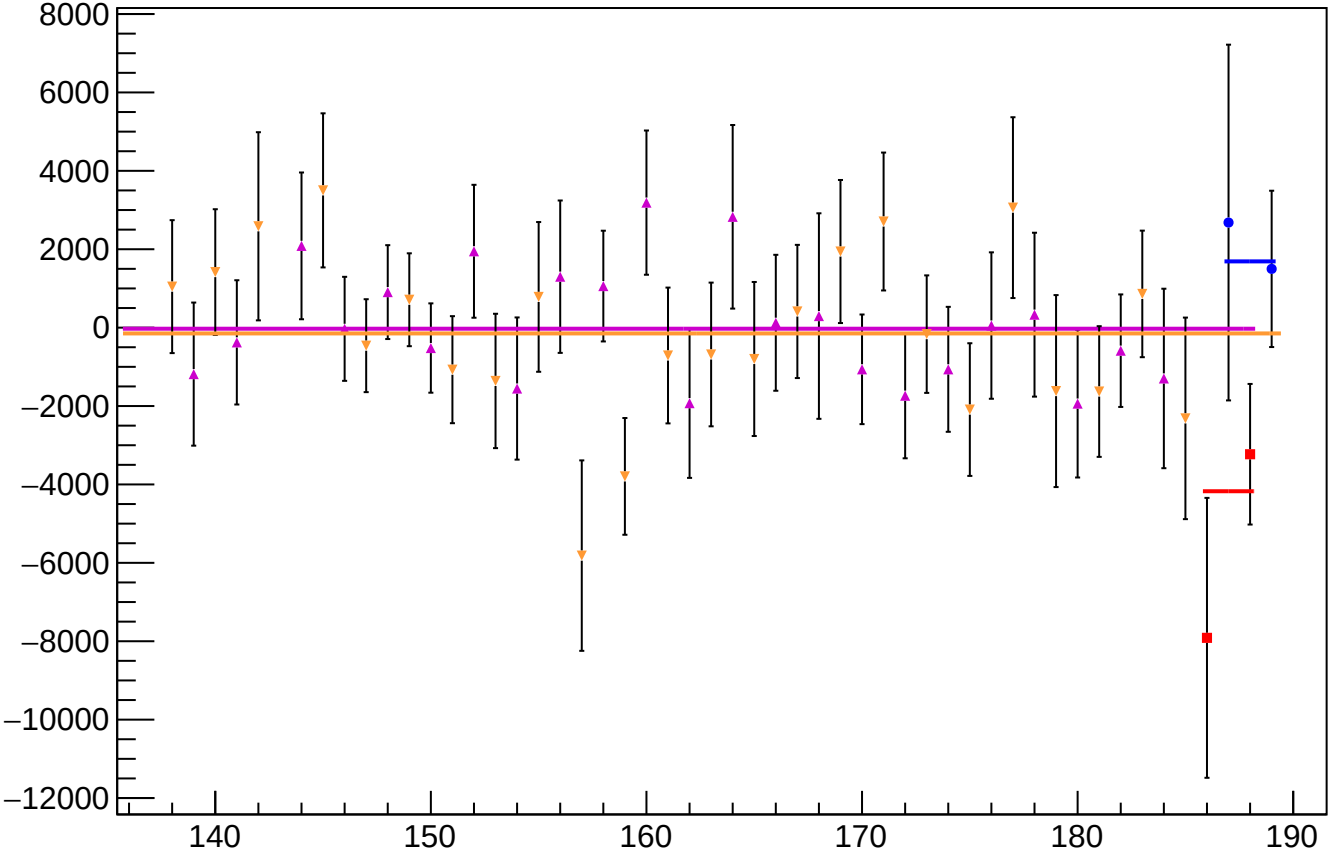
Right: 820.920+/-0.147 $\chi^2$/NDF: 115718.5/37

In: 819.817+/-0.116 $\chi^2$/NDF:122466.1/40

Out: 818.886+/-0.114 $\chi^2$/NDF:64968.7/43

All: 819.342+/-0.081 $\chi^2$/NDF: 187467.7/84

# asym_us_avg_correction_mean vs Slug, Sign Corrected




Right In: 1689.934+/-1825.390 $\chi^2$/NDF: 0.1/1

Left Out: -147.864+/-347.750 $\chi^2$/NDF:29.3/23

Right Out: -4173.511+/-1602.601 $\chi^2$/NDF: 1.4/1

Left In: -27.722+/-344.229 $\chi^2$/NDF:14.8/22

Left: -87.182+/-244.642 $\chi^2$/NDF: 44.2/46

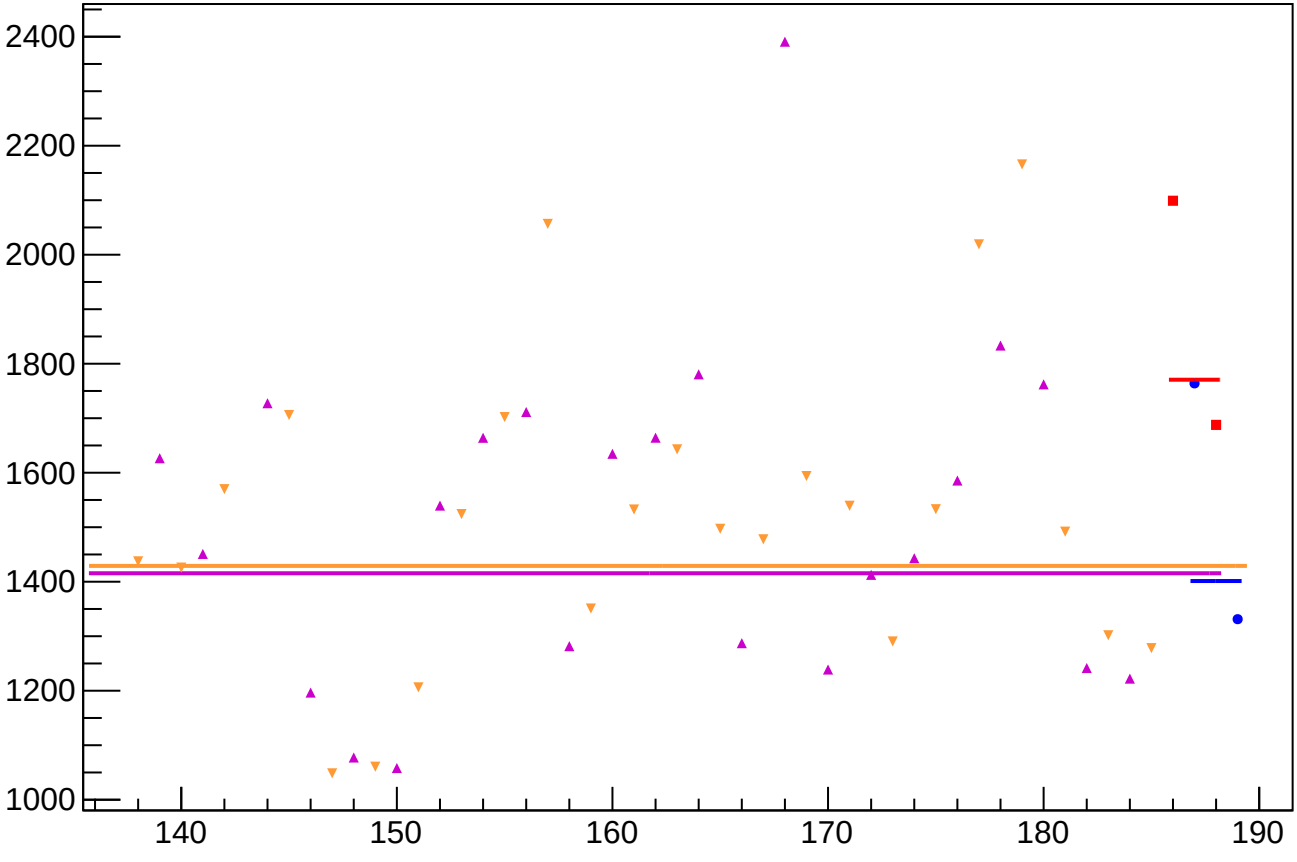
Right: -1621.258+/-1204.318 $\chi^2$/NDF: 7.3/3

In: 31.263+/-338.267 $\chi^2$/NDF:15.7/24

Out: -328.889+/-339.841 $\chi^2$/NDF:36.7/25

All: -147.977+/-239.746 $\chi^2$/NDF: 53.0/50

# asym_us_avg_correction_rms vs Slug, Sign Corrected




Right In: 1401.287+/-1.291 $\chi^2$/NDF: 15238.3/1

Left Out: 1429.065+/-0.246 $\chi^2$/NDF:1106949.6/23

Right Out: 1770.642+/-1.133 $\chi^2$/NDF: 21193.2/1

Left In: 1415.555+/-0.243 $\chi^2$/NDF:1245603.5/22

Left: 1422.241+/-0.173 $\chi^2$/NDF: 2354077.8/46

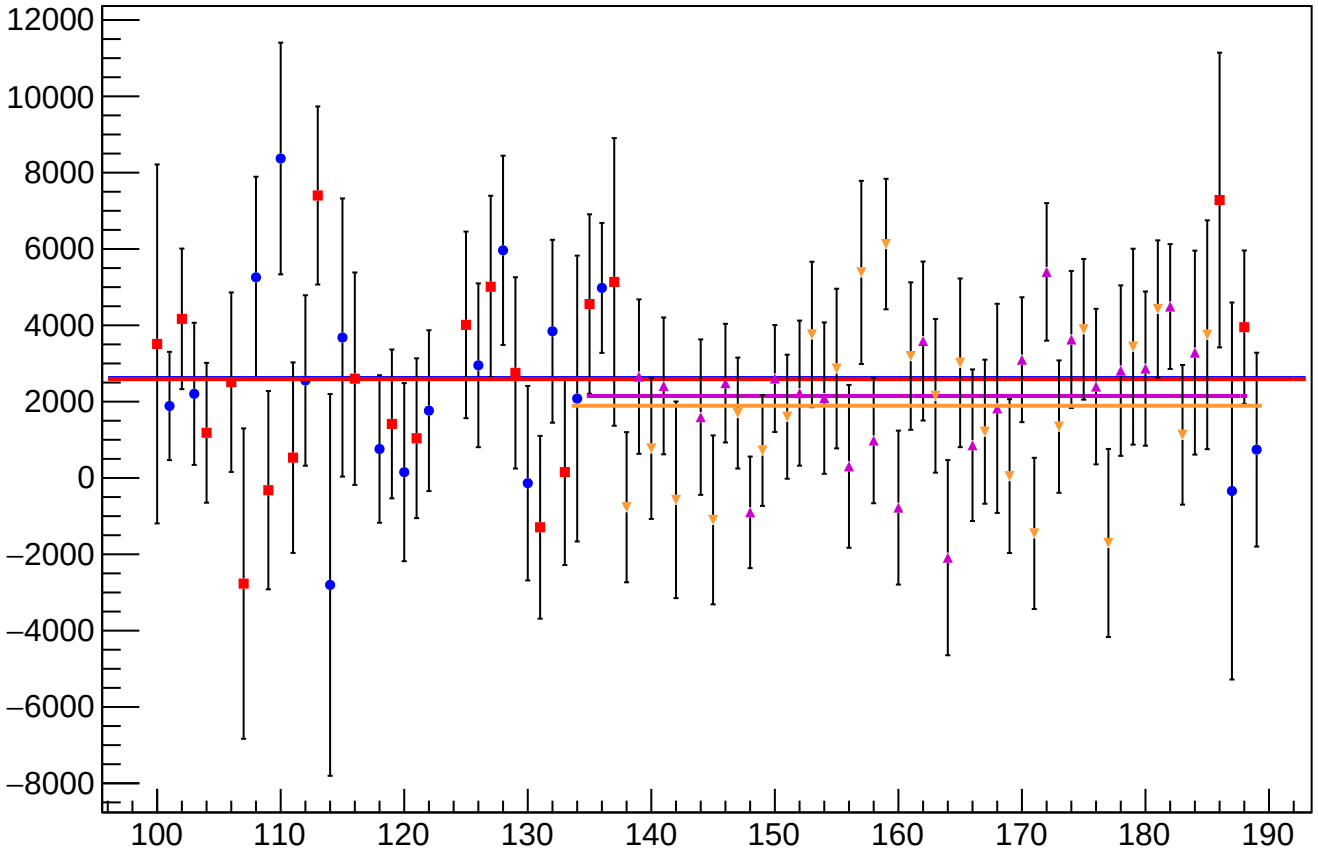
Right: 1609.868+/-0.852 $\chi^2$/NDF: 82673.8/3

In: 1415.065+/-0.239 $\chi^2$/NDF:1260959.8/24

Out: 1444.425+/-0.240 $\chi^2$/NDF:1214914.0/25

All: 1429.677+/-0.170 $\chi^2$/NDF: 2483372.2/50

# asym_us_avg_mean vs Slug, Sign Corrected




Right In: 2618.186+/-546.232 $\chi^2$/NDF: 14.5/17

Left Out: 1892.511+/-394.798 $\chi^2$/NDF:25.9/23

Right Out: 2590.405+/-542.020 $\chi^2$/NDF: 18.3/19

Left In: 2148.867+/-391.716 $\chi^2$/NDF:18.4/22

Left: 2021.694+/-278.068 $\chi^2$/NDF: 44.6/46

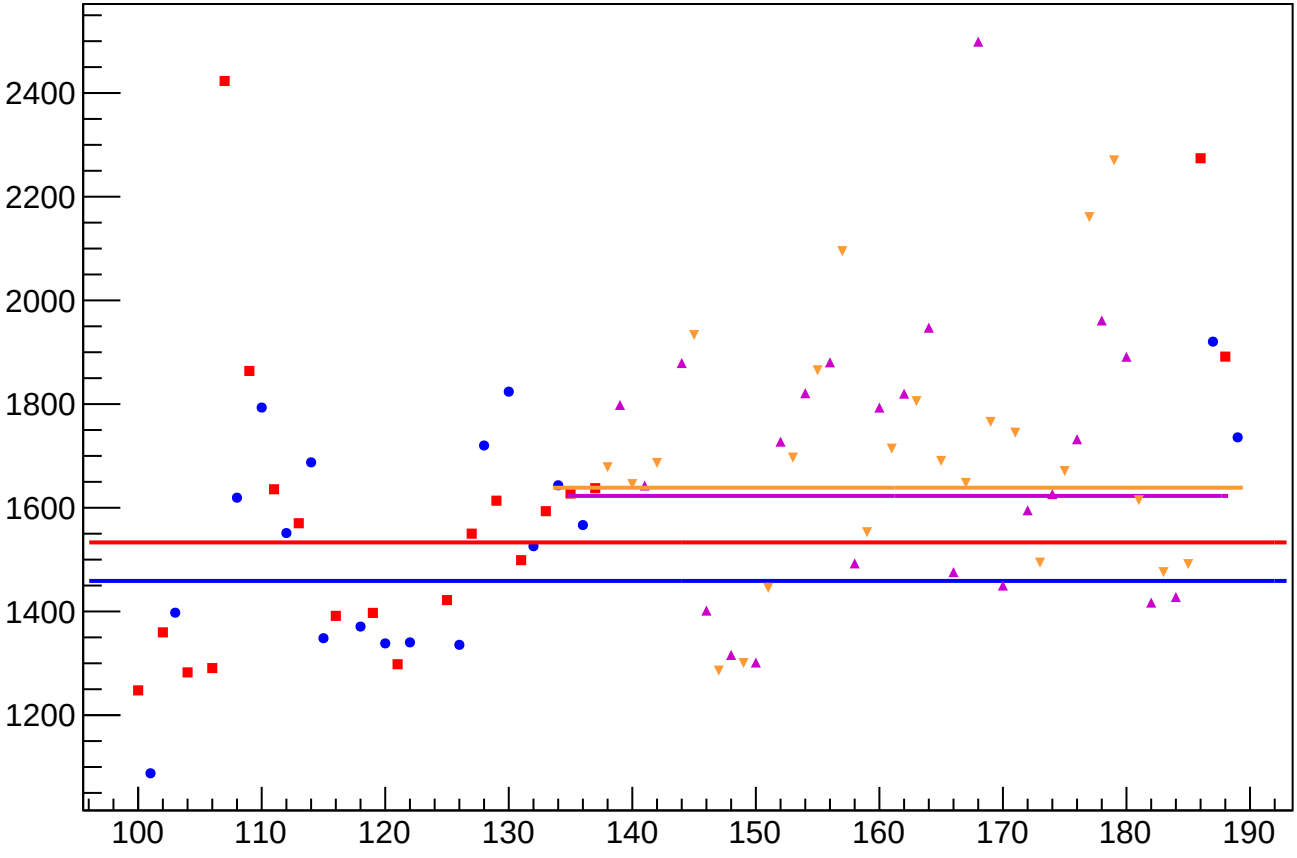
Right: 2604.188+/-384.746 $\chi^2$/NDF: 32.8/37

In: 2308.254+/-318.324 $\chi^2$/NDF:33.4/40

Out: 2134.427+/-319.119 $\chi^2$/NDF:45.3/43

All: 2221.557+/-225.370 $\chi^2$/NDF: 78.9/84

# asym_us_avg_rms vs Slug, Sign Corrected




Right In: 1458.931+/-0.386 $\chi^2$/NDF: 321515.1/17

Left Out: 1638.679+/-0.279 $\chi^2$/NDF:671983.1/23

Right Out: 1533.209+/-0.383 $\chi^2$/NDF: 406005.8/19

Left In: 1622.876+/-0.277 $\chi^2$/NDF:780522.2/22

Left: 1630.716+/-0.197 $\chi^2$/NDF: 1454120.1/46

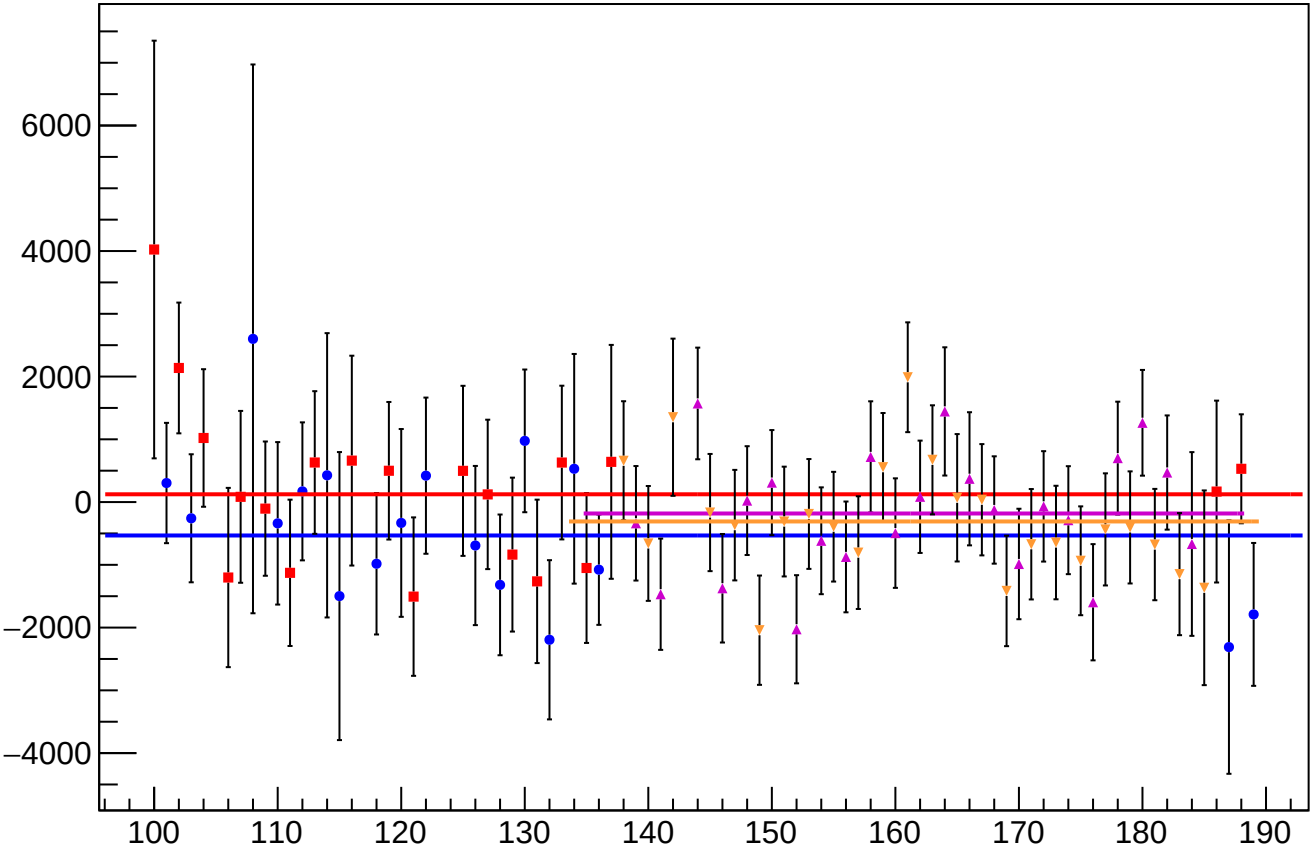
Right: 1496.357+/-0.272 $\chi^2$/NDF: 746155.5/37

In: 1567.198+/-0.225 $\chi^2$/NDF:1221017.0/40

Out: 1602.119+/-0.226 $\chi^2$/NDF:1127467.1/43

All: 1584.615+/-0.159 $\chi^2$/NDF: 2360489.1/84

# dit_asym_us_dd_mean vs Slug, Sign Corrected




Right In: -532.305+/-298.637 $\chi^2$/NDF: 9.6/17

Left Out: -308.819+/-187.448 $\chi^2$/NDF:20.6/23

Right Out: 124.064+/-276.997 $\chi^2$/NDF: 13.2/19

Left In: -181.983+/-187.935 $\chi^2$/NDF:25.6/22

Left: -245.566+/-132.717 $\chi^2$/NDF: 46.4/46

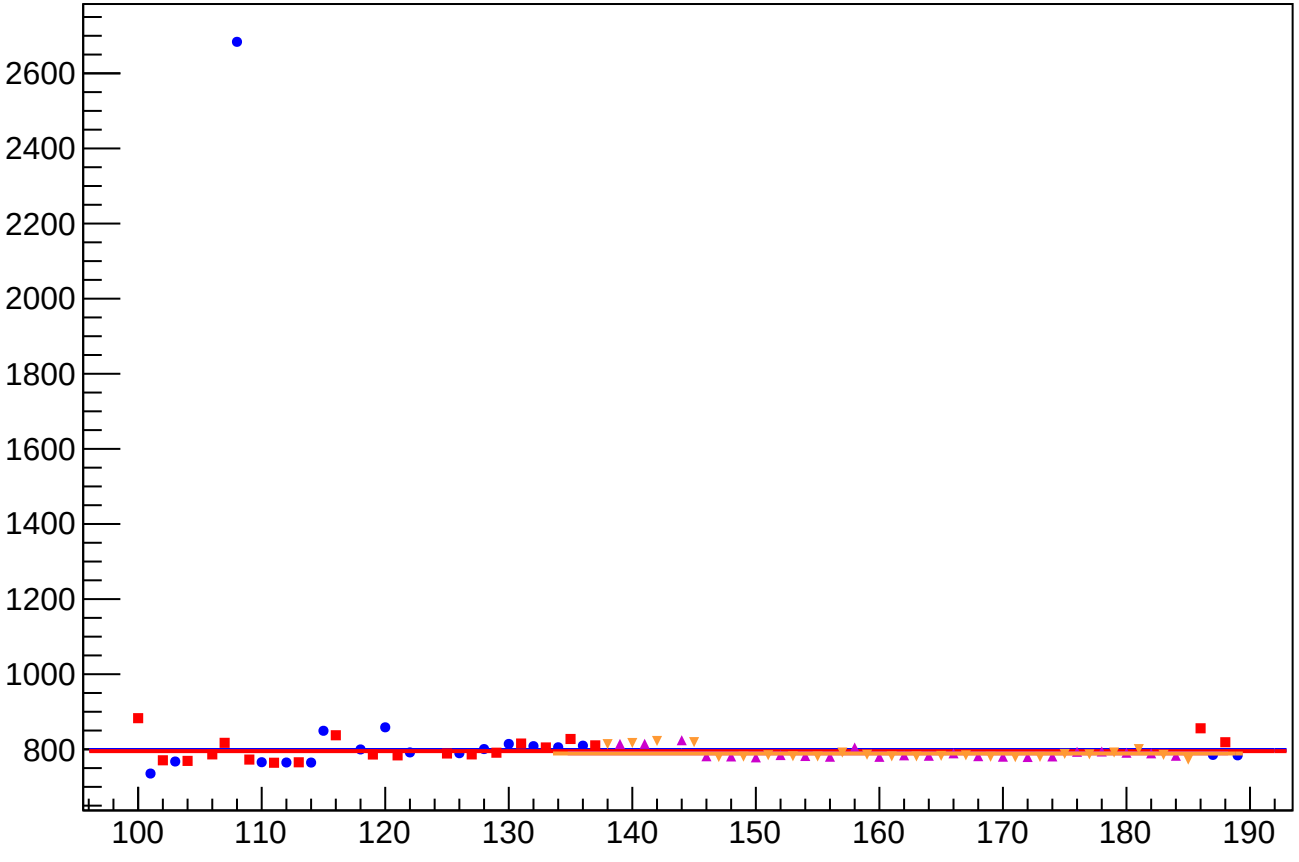
Right: -179.480+/-203.086 $\chi^2$/NDF: 25.4/37

In: -281.364+/-159.060 $\chi^2$/NDF:36.2/40

Out: -172.850+/-155.242 $\chi^2$/NDF:35.4/43

All: -225.789+/-111.098 $\chi^2$/NDF: 71.8/84

# dit_asym_us_dd_rms vs Slug, Sign Corrected




Right In: 798.147+/-0.211 $\chi^2$/NDF: 391620.8/17

Left Out: 788.886+/-0.133 $\chi^2$/NDF:9342.2/23

Right Out: 795.168+/-0.196 $\chi^2$/NDF: 16833.3/19

Left In: 789.406+/-0.133 $\chi^2$/NDF:9219.1/22

Left: 789.145+/-0.094 $\chi^2$/NDF: 18569.0/46

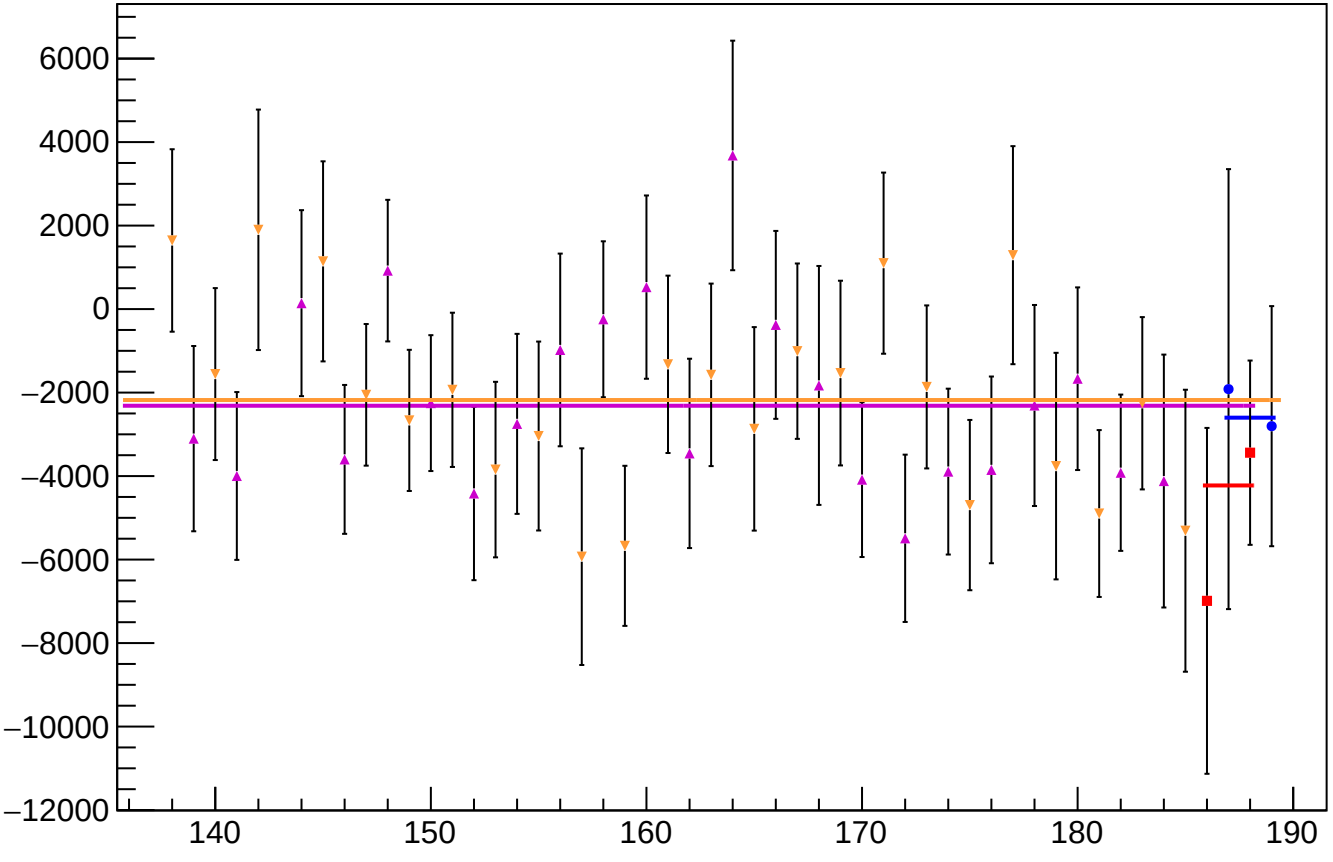
Right: 796.546+/-0.144 $\chi^2$/NDF: 408561.1/37

In: 791.886+/-0.112 $\chi^2$/NDF:402067.2/40

Out: 790.859+/-0.110 $\chi^2$/NDF:26881.2/43

All: 791.360+/-0.079 $\chi^2$/NDF: 428991.2/84

# asym_us_dd_correction_mean vs Slug, Sign Corrected




Right In: -2600.774+/-2524.253 $\chi^2$/NDF: 0.0/1

Left Out: -2178.467+/-439.661 $\chi^2$/NDF:22.7/23

Right Out: -4224.576+/-1947.897 $\chi^2$/NDF: 0.6/1

Left In: -2315.169+/-437.003 $\chi^2$/NDF:22.0/22

Left: -2247.233+/-309.943 $\chi^2$/NDF: 44.8/46

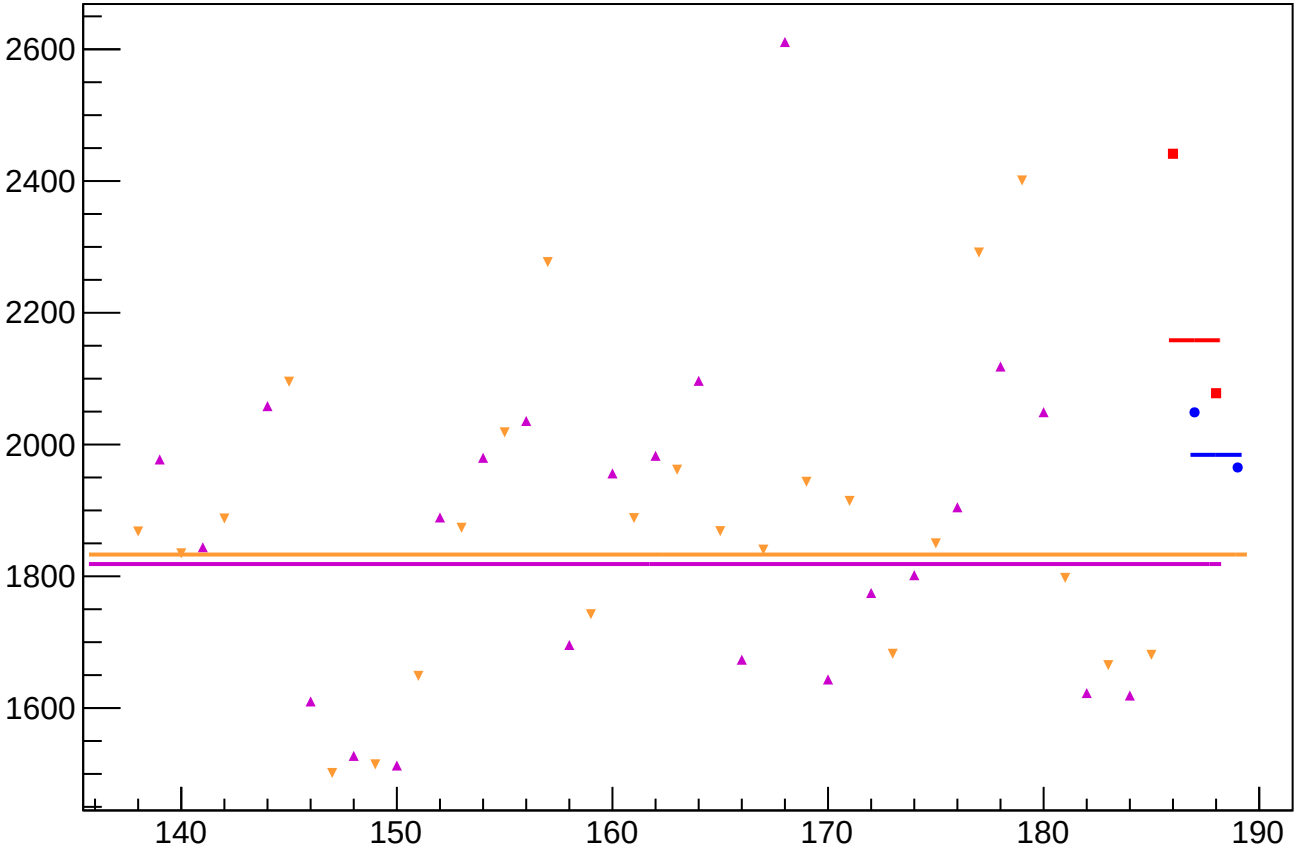
Right: -3618.527+/-1542.128 $\chi^2$/NDF: 0.9/3

In: -2323.480+/-430.598 $\chi^2$/NDF:22.0/24

Out: -2277.653+/-428.872 $\chi^2$/NDF:24.3/25

All: -2300.475+/-303.867 $\chi^2$/NDF: 46.4/50

# asym_us_dd_correction_rms vs Slug, Sign Corrected




Right In: 1984.390+/-1.785 $\chi^2$/NDF: 388.7/1

Left Out: 1833.028+/-0.311 $\chi^2$/NDF:465466.9/23

Right Out: 2158.293+/-1.377 $\chi^2$/NDF: 11994.8/1

Left In: 1818.594+/-0.309 $\chi^2$/NDF:536826.7/22

Left: 1825.767+/-0.219 $\chi^2$/NDF: 1003377.8/46

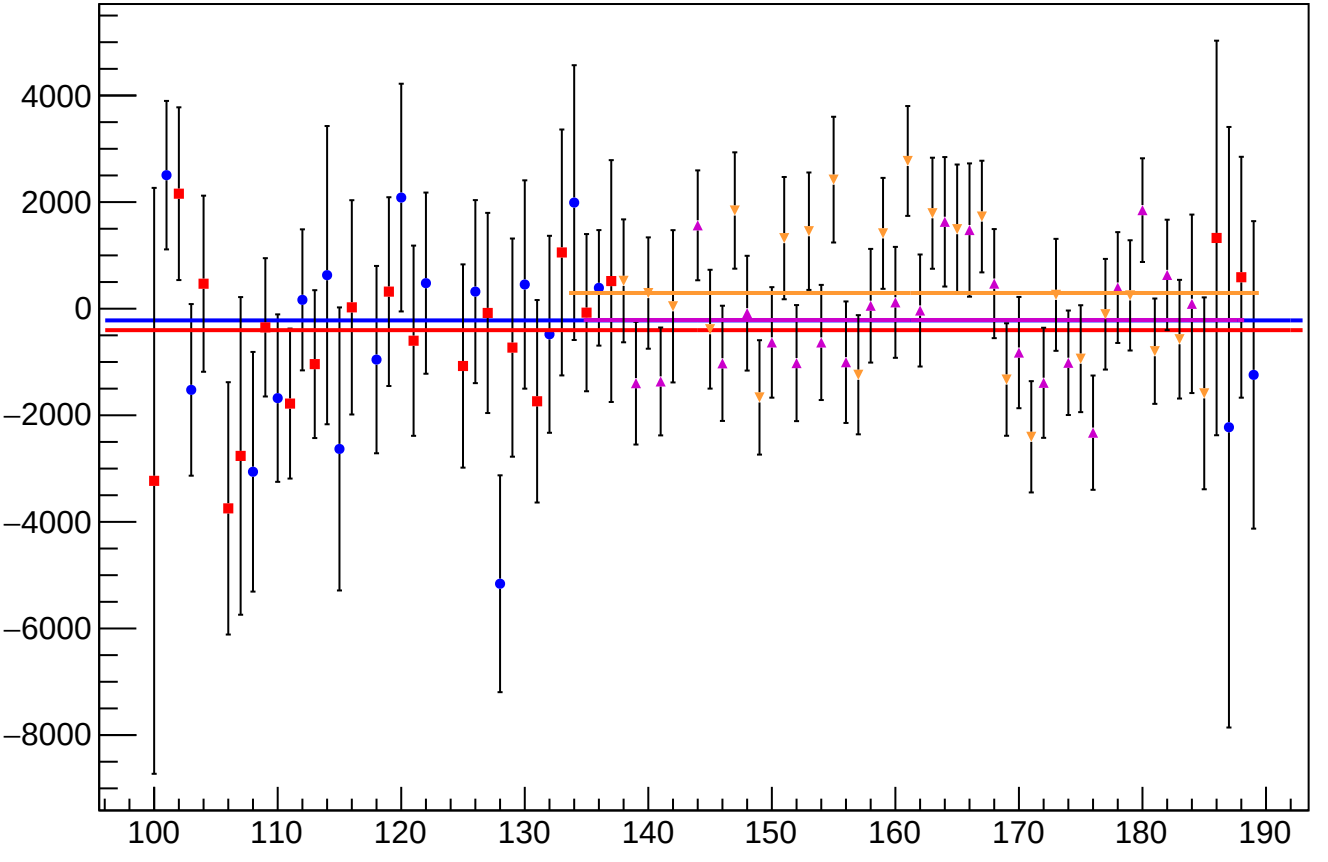
Right: 2093.387+/-1.090 $\chi^2$/NDF: 18333.0/3

In: 1823.419+/-0.304 $\chi^2$/NDF:545592.3/24

Out: 1848.795+/-0.303 $\chi^2$/NDF:530524.7/25

All: 1836.158+/-0.215 $\chi^2$/NDF: 1079604.1/50

# asym_us_dd_mean vs Slug, Sign Corrected




Right In: -219.690+/-425.528 $\chi^2$/NDF: 16.9/17

Left Out: 294.652+/-224.344 $\chi^2$/NDF:38.3/23

Right Out: -402.803+/-416.832 $\chi^2$/NDF: 8.8/19

Left In: -212.080+/-224.701 $\chi^2$/NDF:23.7/22

Left: 41.688+/-158.761 $\chi^2$/NDF: 64.6/46

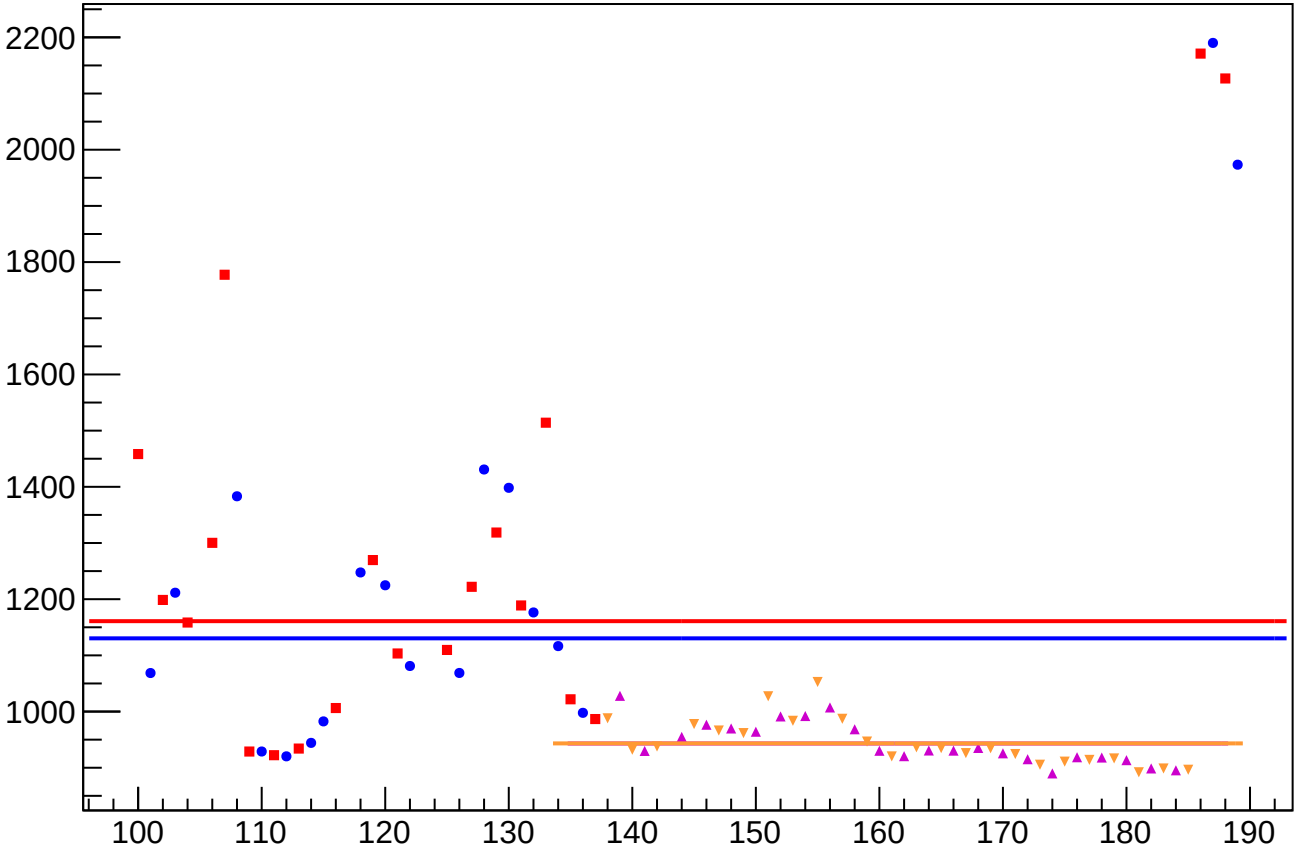
Right: -313.136+/-297.771 $\chi^2$/NDF: 25.7/37

In: -213.739+/-198.699 $\chi^2$/NDF:40.6/40

Out: 137.996+/-197.549 $\chi^2$/NDF:49.2/43

All: -36.850+/-140.093 $\chi^2$/NDF: 91.4/84

# asym_us_dd_rms vs Slug, Sign Corrected




Right In: 1130.315+/-0.301 $\chi^2$/NDF: 503713.0/17

Left Out: 943.327+/-0.159 $\chi^2$/NDF:60410.5/23

Right Out: 1160.889+/-0.295 $\chi^2$/NDF: 902581.3/19

Left In: 943.137+/-0.159 $\chi^2$/NDF:49948.2/22

Left: 943.232+/-0.112 $\chi^2$/NDF: 110359.4/46

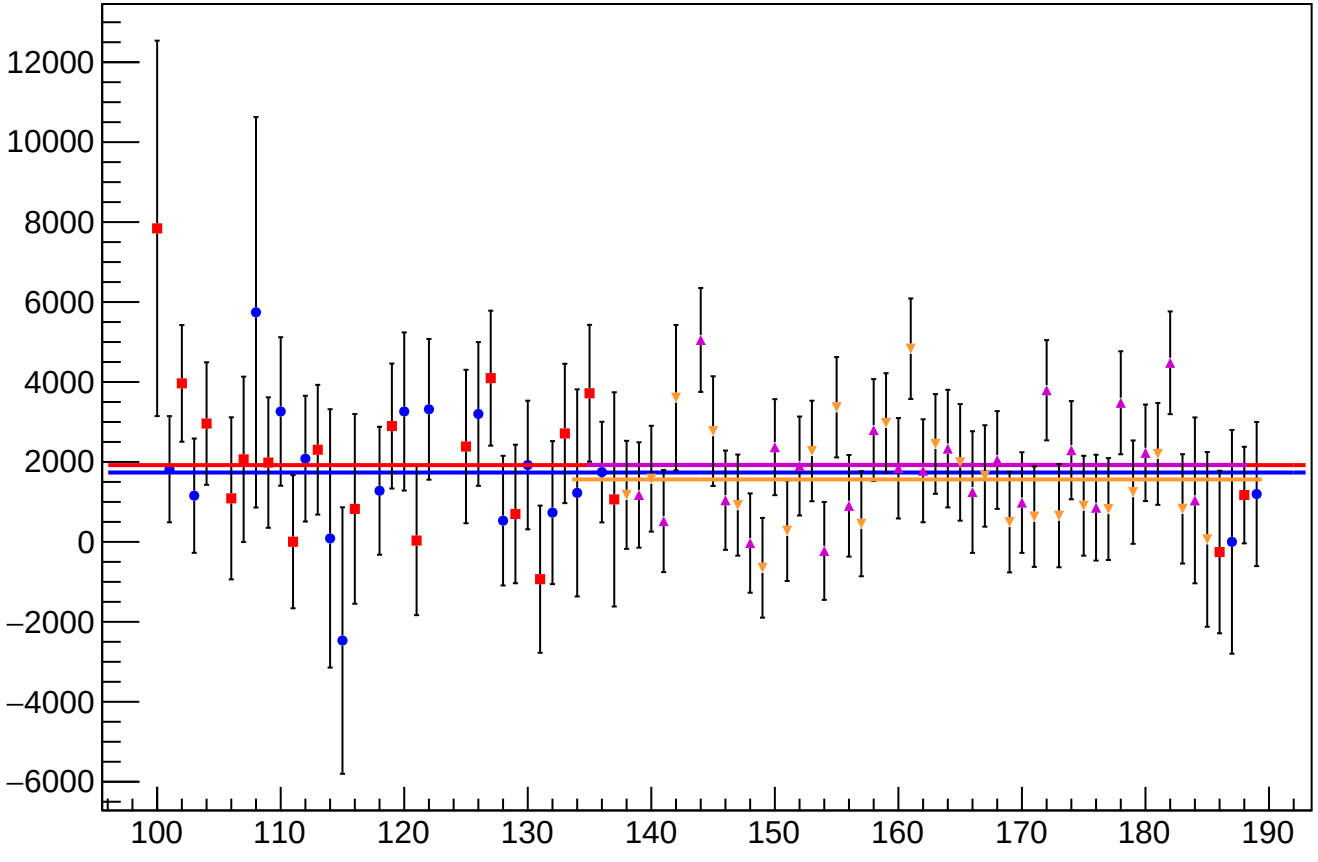
Right: 1145.918+/-0.211 $\chi^2$/NDF: 1411563.2/37

In: 983.949+/-0.141 $\chi^2$/NDF:856262.5/40

Out: 992.194+/-0.140 $\chi^2$/NDF:1385458.3/43

All: 988.095+/-0.099 $\chi^2$/NDF: 2243452.5/84

# dit_asym_usl_mean vs Slug, Sign Corrected




Right In: 1735.431+/-424.455 $\chi^2$/NDF: 7.0/17

Left Out: 1562.090+/-269.272 $\chi^2$/NDF:21.8/23

Right Out: 1920.911+/-395.472 $\chi^2$/NDF: 14.8/19

Left In: 1926.929+/-269.667 $\chi^2$/NDF:24.1/22

Left: 1744.243+/-190.544 $\chi^2$/NDF: 46.8/46

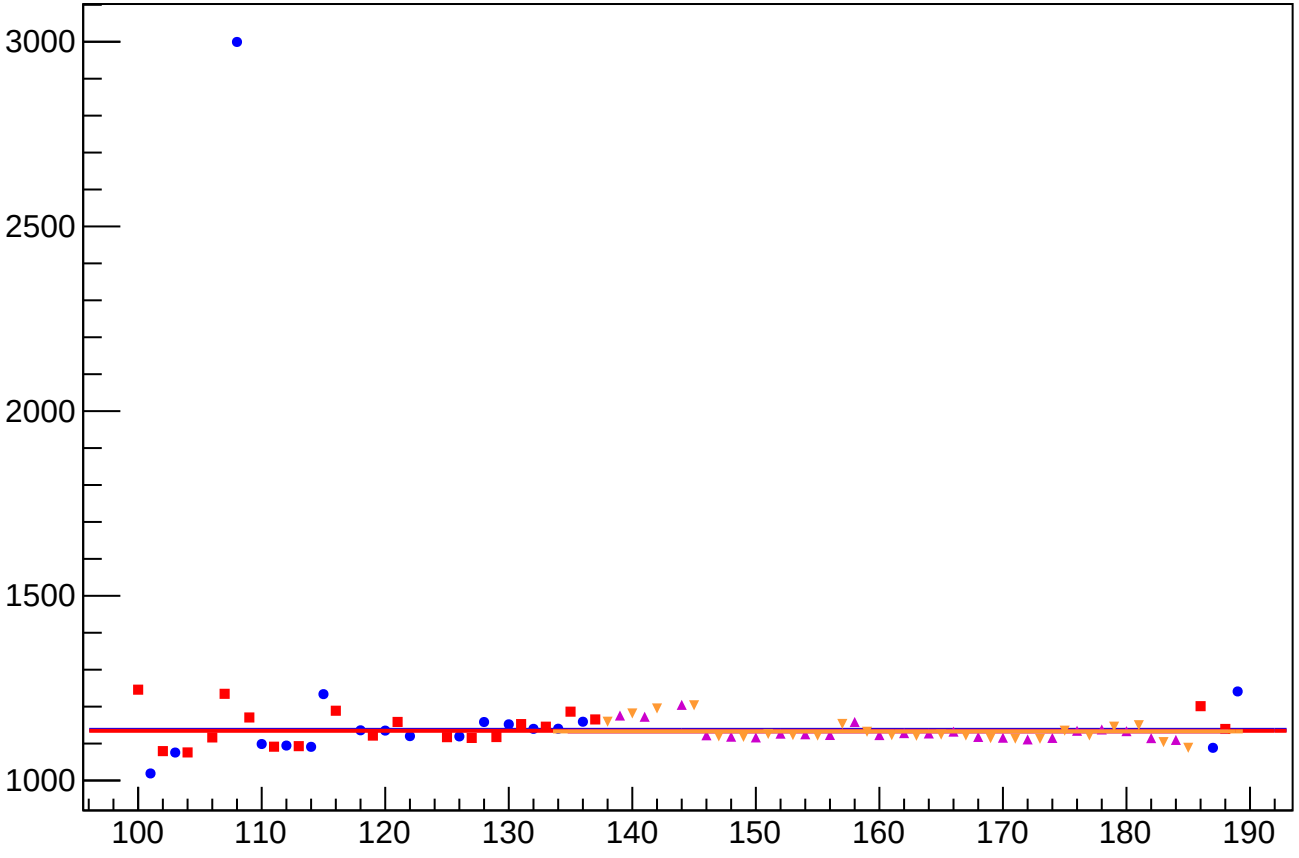
Right: 1834.719+/-289.345 $\chi^2$/NDF: 21.8/37

In: 1871.861+/-227.615 $\chi^2$/NDF:31.2/40

Out: 1675.749+/-222.577 $\chi^2$/NDF:37.1/43

All: 1771.611+/-159.137 $\chi^2$/NDF: 68.7/84

# dit_asym_usl_rms vs Slug, Sign Corrected




Right In: 1137.113+/-0.300 $\chi^2$/NDF: 323541.0/17

Left Out: 1132.882+/-0.190 $\chi^2$/NDF:16786.8/23

Right Out: 1134.583+/-0.280 $\chi^2$/NDF: 22040.1/19

Left In: 1132.570+/-0.191 $\chi^2$/NDF:14524.8/22

Left: 1132.727+/-0.135 $\chi^2$/NDF: 31312.9/46

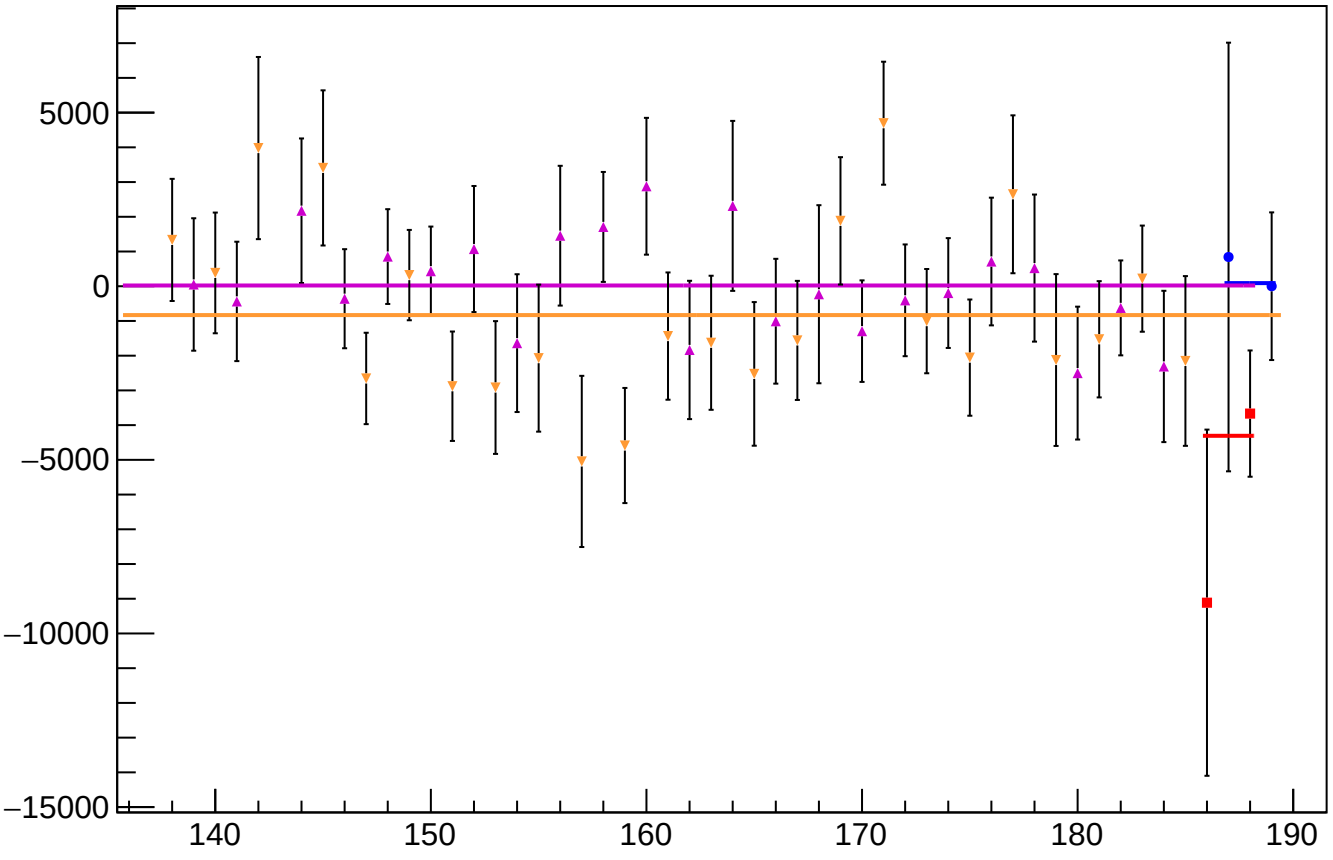
Right: 1135.759+/-0.205 $\chi^2$/NDF: 345619.1/37

In: 1133.877+/-0.161 $\chi^2$/NDF:338229.0/40

Out: 1133.421+/-0.157 $\chi^2$/NDF:38852.1/43

All: 1133.644+/-0.113 $\chi^2$/NDF: 377085.2/84

# asym_usl_correction_mean vs Slug, Sign Corrected




Right In: 89.833+/-2010.304 $\chi^2$/NDF: 0.0/1

Left Out: -830.927+/-366.086 $\chi^2$/NDF:40.1/23

Right Out: -4307.350+/-1708.079 $\chi^2$/NDF: 1.1/1

Left In: 21.419+/-362.476 $\chi^2$/NDF:12.8/22

Left: -400.530+/-257.576 $\chi^2$/NDF: 55.6/46

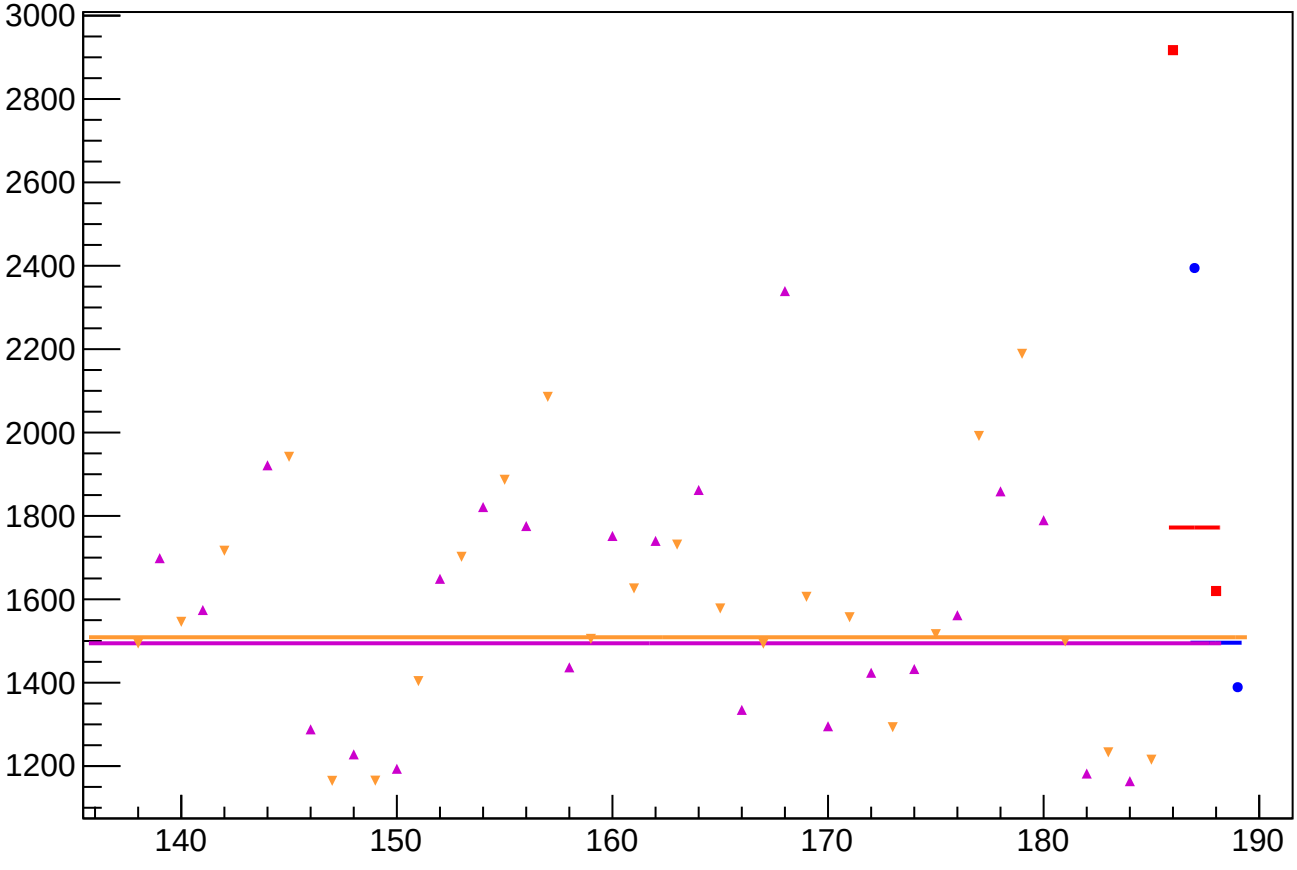
Right: -2463.811+/-1301.669 $\chi^2$/NDF: 3.8/3

In: 23.573+/-356.723 $\chi^2$/NDF:12.8/24

Out: -983.606+/-357.957 $\chi^2$/NDF:45.1/25

All: -478.278+/-252.676 $\chi^2$/NDF: 61.9/50

# asym_usl_correction_rms vs Slug, Sign Corrected




Right In: 1495.852+/-1.421 $\chi^2$/NDF: 47432.8/1

Left Out: 1508.993+/-0.259 $\chi^2$/NDF:988673.2/23

Right Out: 1772.206+/-1.208 $\chi^2$/NDF: 119549.1/1

Left In: 1494.507+/-0.256 $\chi^2$/NDF:1096280.5/22

Left: 1501.678+/-0.182 $\chi^2$/NDF: 2086534.9/46

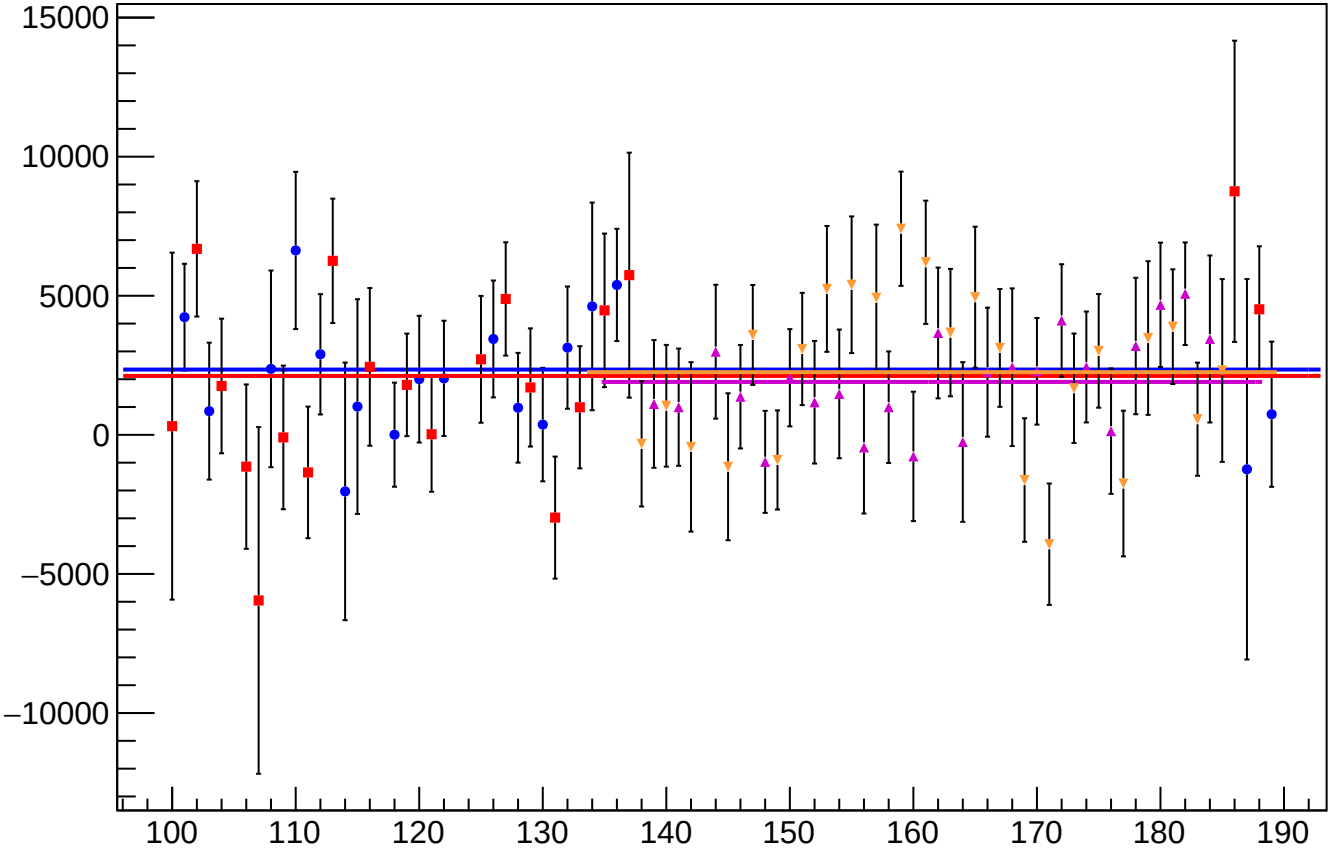
Right: 1656.343+/-0.920 $\chi^2$/NDF: 188931.5/3

In: 1494.549+/-0.252 $\chi^2$/NDF:1143714.2/24

Out: 1520.552+/-0.253 $\chi^2$/NDF:1153629.6/25

All: 1507.506+/-0.179 $\chi^2$/NDF: 2302639.1/50

# asym_usl_mean vs Slug, Sign Corrected




Right In: 2346.971+/-568.213 $\chi^2$/NDF: 11.4/17

Left Out: 2253.979+/-456.390 $\chi^2$/NDF:38.7/23

Right Out: 2118.422+/-561.728 $\chi^2$/NDF: 25.5/19

Left In: 1901.797+/-453.879 $\chi^2$/NDF:13.9/22

Left: 2076.917+/-321.825 $\chi^2$/NDF: 52.8/46

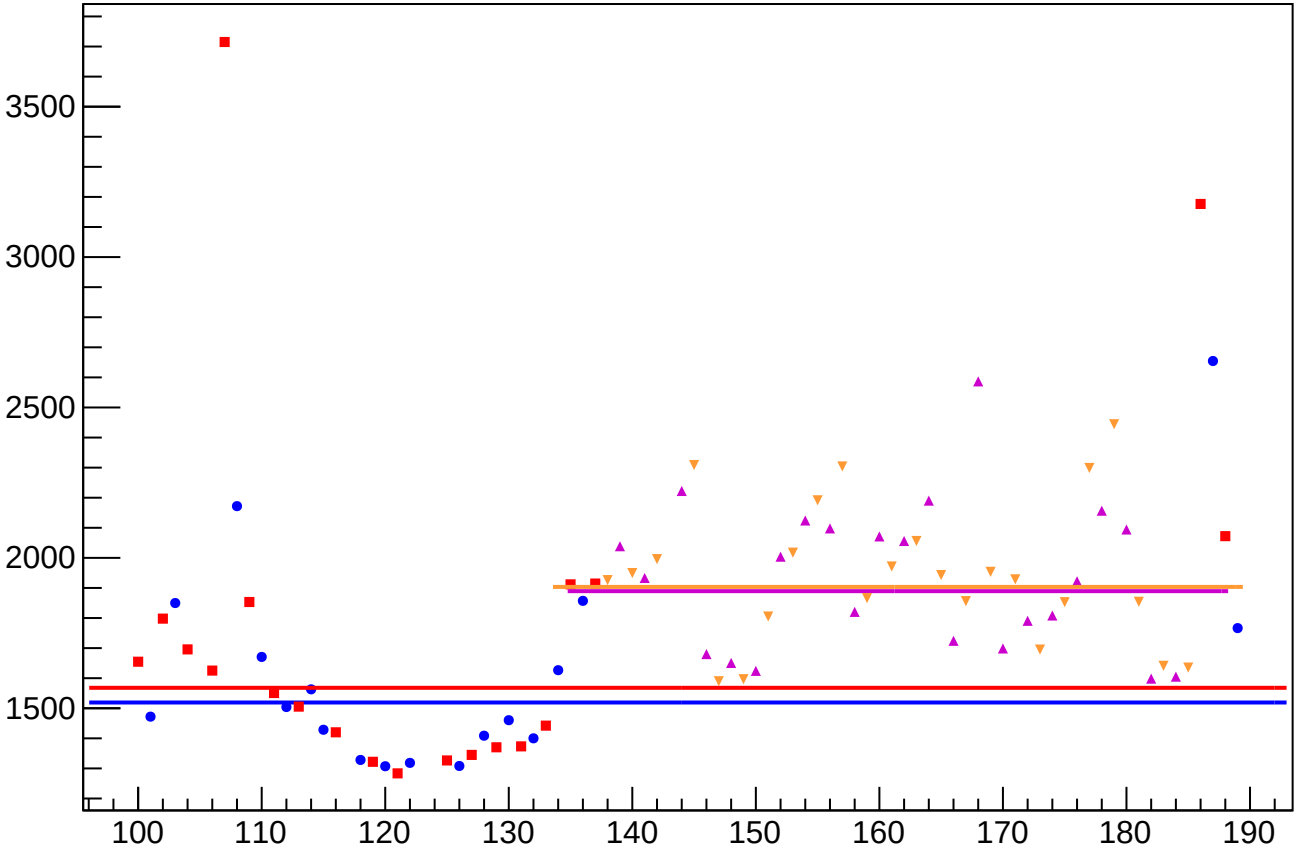
Right: 2231.385+/-399.475 $\chi^2$/NDF: 37.1/37

In: 2075.201+/-354.630 $\chi^2$/NDF:25.7/40

Out: 2200.077+/-354.215 $\chi^2$/NDF:64.2/43

All: 2137.712+/-250.614 $\chi^2$/NDF: 90.0/84

# asym_usl_rms vs Slug, Sign Corrected




Right In: 1519.178+/-0.402 $\chi^2$/NDF: 334418.8/17

Left Out: 1903.456+/-0.323 $\chi^2$/NDF:461899.8/23

Right Out: 1568.018+/-0.397 $\chi^2$/NDF: 772036.4/19

Left In: 1889.326+/-0.321 $\chi^2$/NDF:508648.5/22

Left: 1896.352+/-0.228 $\chi^2$/NDF: 971512.1/46

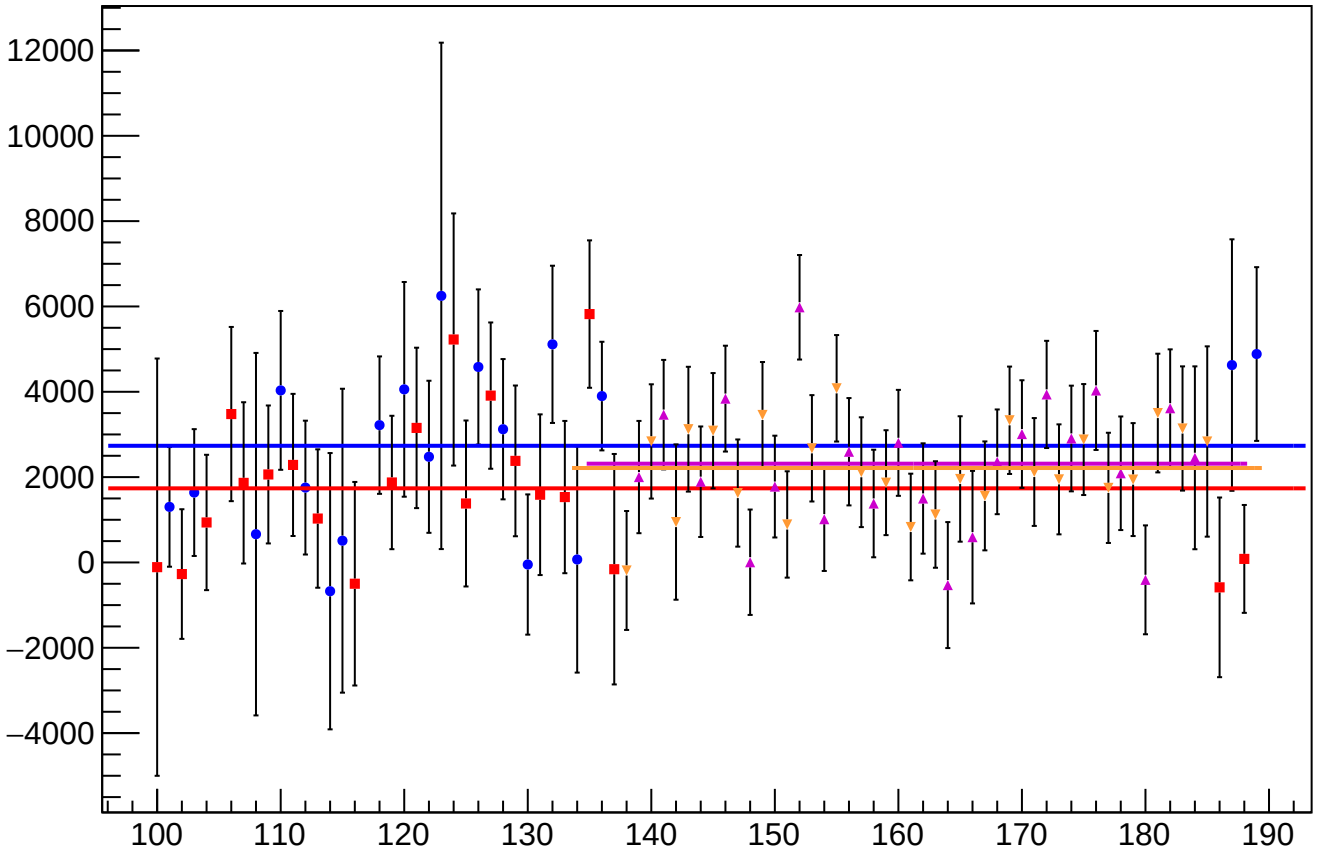
Right: 1543.878+/-0.282 $\chi^2$/NDF: 1113928.2/37

In: 1745.146+/-0.251 $\chi^2$/NDF:1361188.8/40

Out: 1770.075+/-0.250 $\chi^2$/NDF:1663536.4/43

All: 1757.625+/-0.177 $\chi^2$/NDF: 3029672.5/84

# dit_asym_usr_mean vs Slug, Sign Corrected




Right In: 2734.279+/-437.467 $\chi^2$/NDF: 13.9/18

Left Out: 2213.308+/-266.921 $\chi^2$/NDF:14.2/24

Right Out: 1736.975+/-397.091 $\chi^2$/NDF: 16.9/20

Left In: 2314.778+/-271.873 $\chi^2$/NDF:31.6/22

Left: 2263.111+/-190.469 $\chi^2$/NDF: 45.8/47

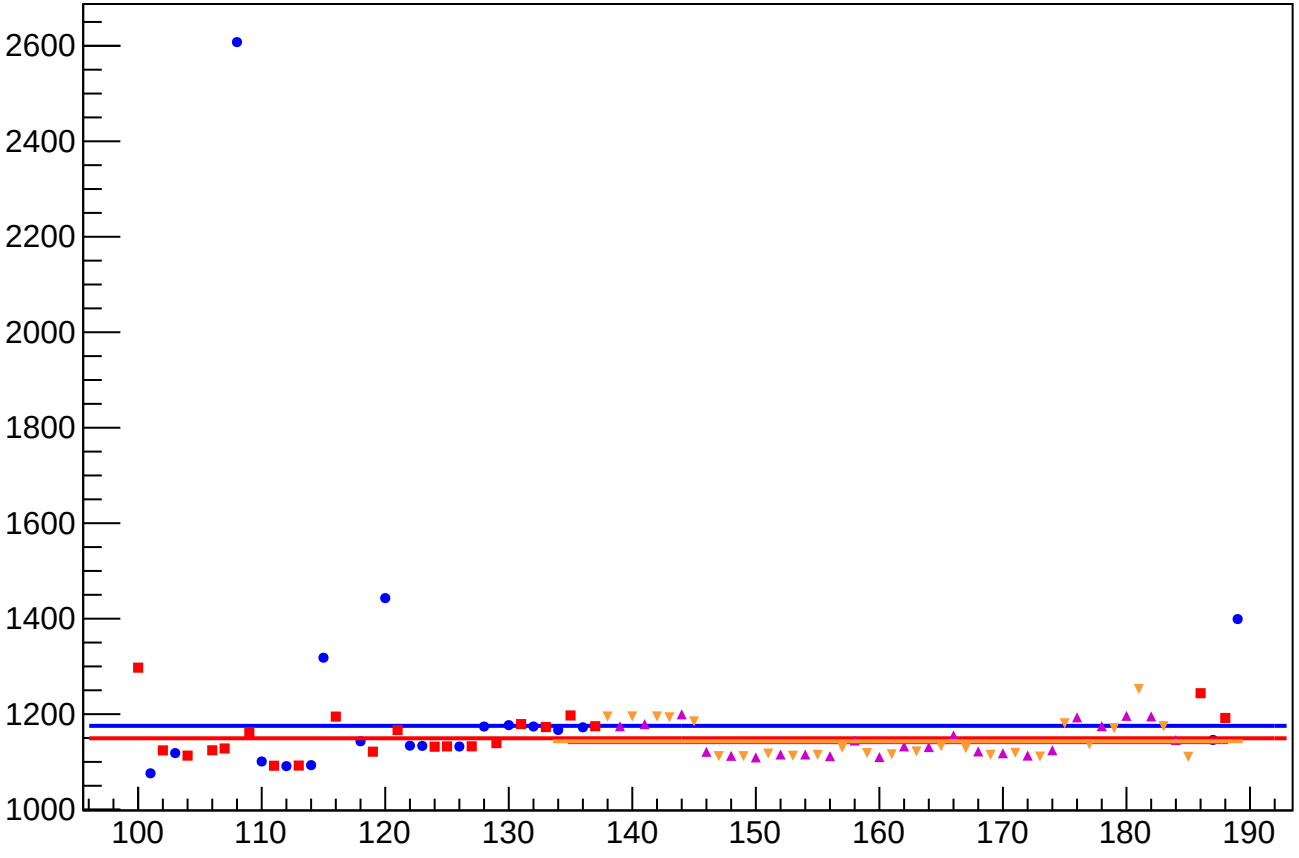
Right: 2187.490+/-294.026 $\chi^2$/NDF: 33.6/39

In: 2431.658+/-230.913 $\chi^2$/NDF:46.2/41

Out: 2065.064+/-221.526 $\chi^2$/NDF:32.0/45

All: 2240.758+/-159.858 $\chi^2$/NDF: 79.5/87

# dit_asym_usr_rms vs Slug, Sign Corrected




Right In: 1175.529+/-0.309 $\chi^2$/NDF: 303953.1/18

Left Out: 1143.249+/-0.189 $\chi^2$/NDF:39493.3/24

Right Out: 1149.480+/-0.281 $\chi^2$/NDF: 19841.6/20

Left In: 1141.363+/-0.192 $\chi^2$/NDF:28014.9/22

Left: 1142.324+/-0.135 $\chi^2$/NDF: 67557.2/47

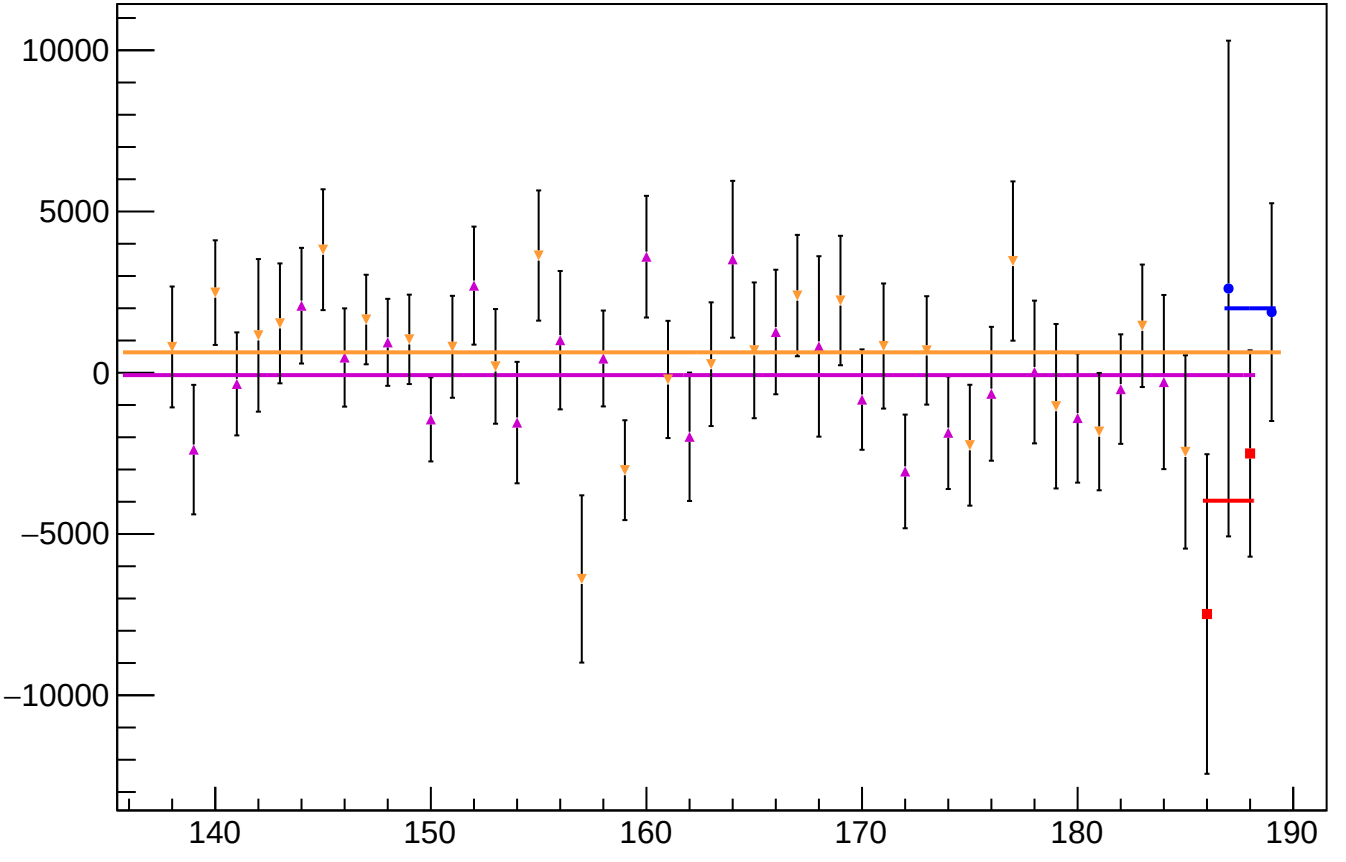
Right: 1161.247+/-0.208 $\chi^2$/NDF: 327682.7/39

In: 1150.882+/-0.163 $\chi^2$/NDF:340768.2/41

Out: 1145.188+/-0.157 $\chi^2$/NDF:59674.0/45

All: 1147.917+/-0.113 $\chi^2$/NDF: 401075.4/87

# asym_usr_correction_mean vs Slug, Sign Corrected




Right In: 1998.514+/-3090.786 $\chi^2$/NDF: 0.0/1

Left Out: 633.748+/-371.934 $\chi^2$/NDF:29.3/24

Right Out: -3967.711+/-2688.029 $\chi^2$/NDF: 0.7/1

Left In: -72.962+/-375.277 $\chi^2$/NDF:20.1/22

Left: 283.555+/-264.171 $\chi^2$/NDF: 51.2/47

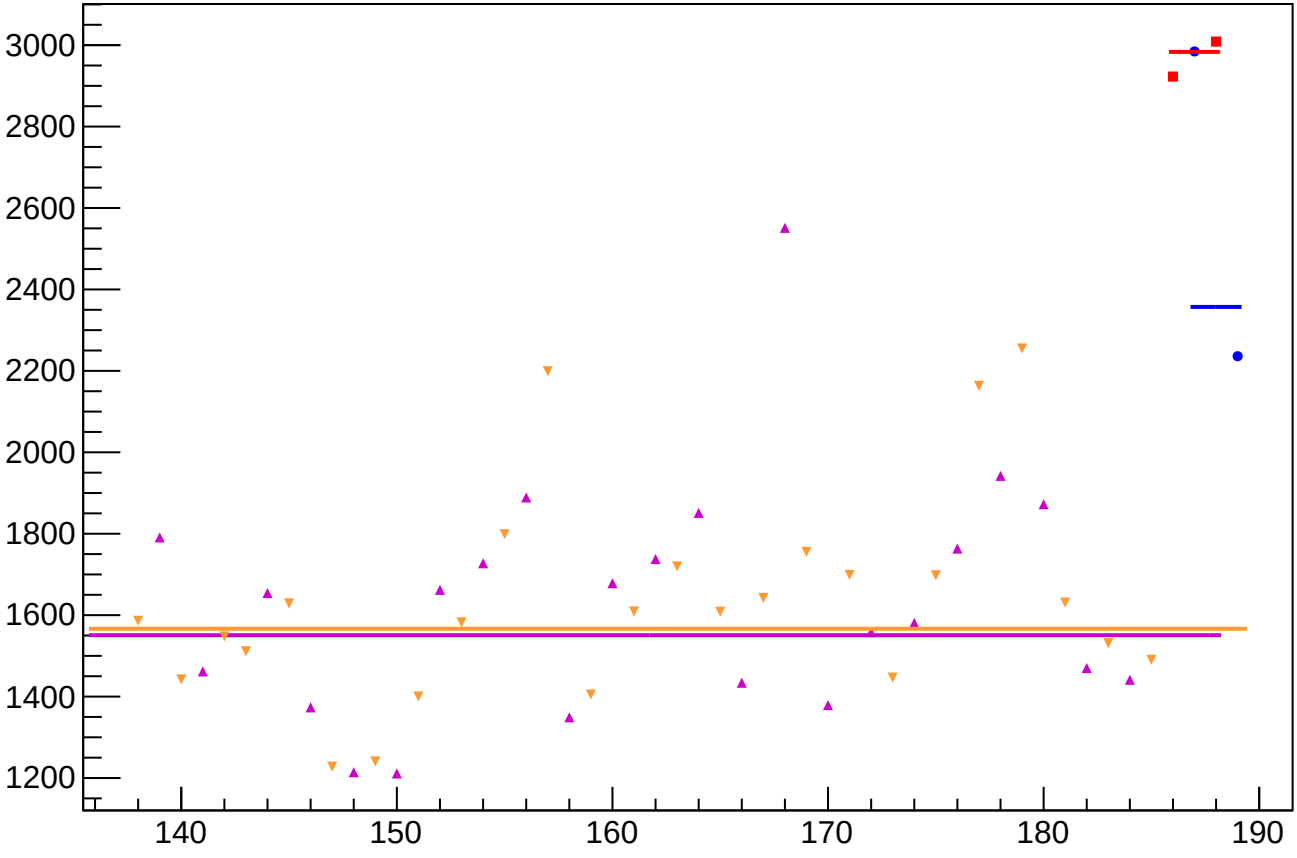
Right: -1398.407+/-2028.275 $\chi^2$/NDF: 2.8/3

In: -42.867+/-372.541 $\chi^2$/NDF:20.6/24

Out: 547.306+/-368.424 $\chi^2$/NDF:32.8/26

All: 255.499+/-261.959 $\chi^2$/NDF: 54.7/51

# asym_usr_correction_rms vs Slug, Sign Corrected




Right In: 2357.079+/-2.186 $\chi^2$/NDF: 15902.8/1

Left Out: 1566.626+/-0.263 $\chi^2$/NDF:766955.2/24

Right Out: 2983.457+/-1.901 $\chi^2$/NDF: 424.2/1

Left In: 1550.750+/-0.265 $\chi^2$/NDF:928652.8/22

Left: 1558.759+/-0.187 $\chi^2$/NDF: 1697413.8/47

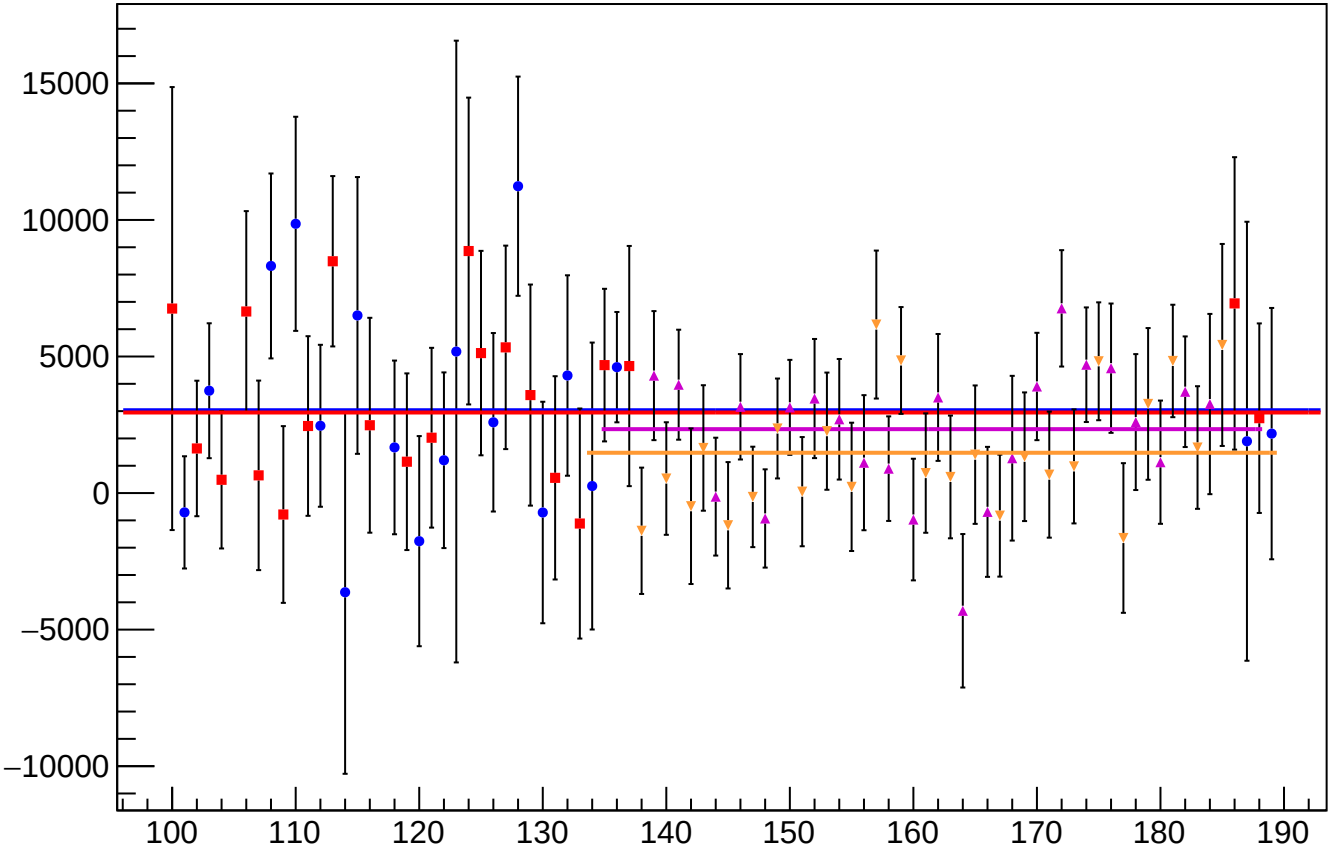
Right: 2713.713+/-1.434 $\chi^2$/NDF: 63095.2/3

In: 1562.464+/-0.263 $\chi^2$/NDF:1078696.6/24

Out: 1593.242+/-0.261 $\chi^2$/NDF:1312587.1/26

All: 1578.024+/-0.185 $\chi^2$/NDF: 2398185.0/51

# asym_usr_mean vs Slug, Sign Corrected




Right In: 3032.569+/-782.284 $\chi^2$/NDF: 18.6/18

Left Out: 1475.648+/-451.347 $\chi^2$/NDF:20.9/24

Right Out: 2949.834+/-767.249 $\chi^2$/NDF: 12.1/20

Left In: 2339.905+/-457.448 $\chi^2$/NDF:25.2/22

Left: 1901.975+/-321.286 $\chi^2$/NDF: 47.9/47

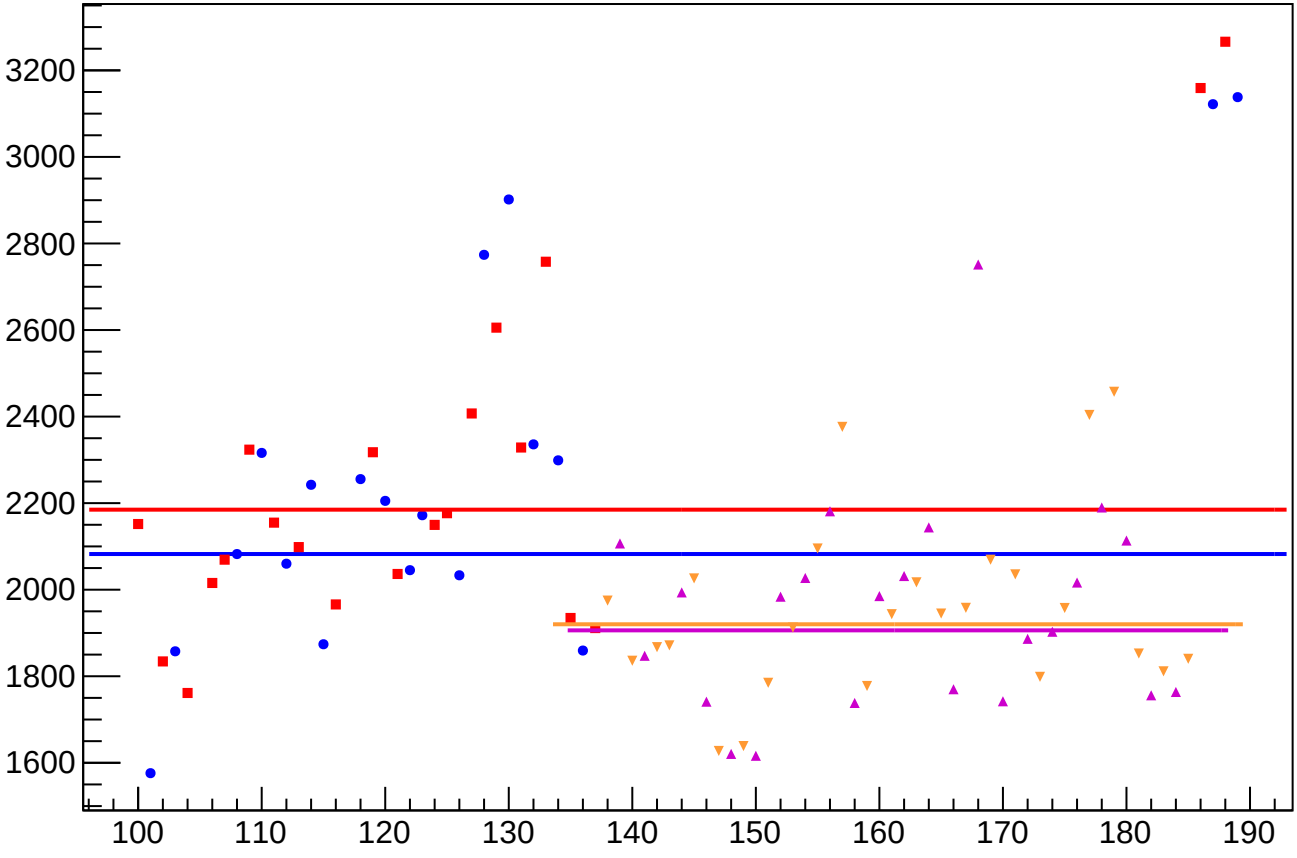
Right: 2990.399+/-547.765 $\chi^2$/NDF: 30.7/39

In: 2516.405+/-394.889 $\chi^2$/NDF:44.4/41

Out: 1854.647+/-389.026 $\chi^2$/NDF:35.8/45

All: 2180.577+/-277.133 $\chi^2$/NDF: 81.6/87

# asym_usr_rms vs Slug, Sign Corrected




Right In: 2082.406+/-0.553 $\chi^2$/NDF: 475609.4/18

Left Out: 1920.082+/-0.319 $\chi^2$/NDF:365919.7/24

Right Out: 2184.921+/-0.543 $\chi^2$/NDF: 475179.8/20

Left In: 1906.043+/-0.323 $\chi^2$/NDF:451054.7/22

Left: 1913.157+/-0.227 $\chi^2$/NDF: 817929.0/47

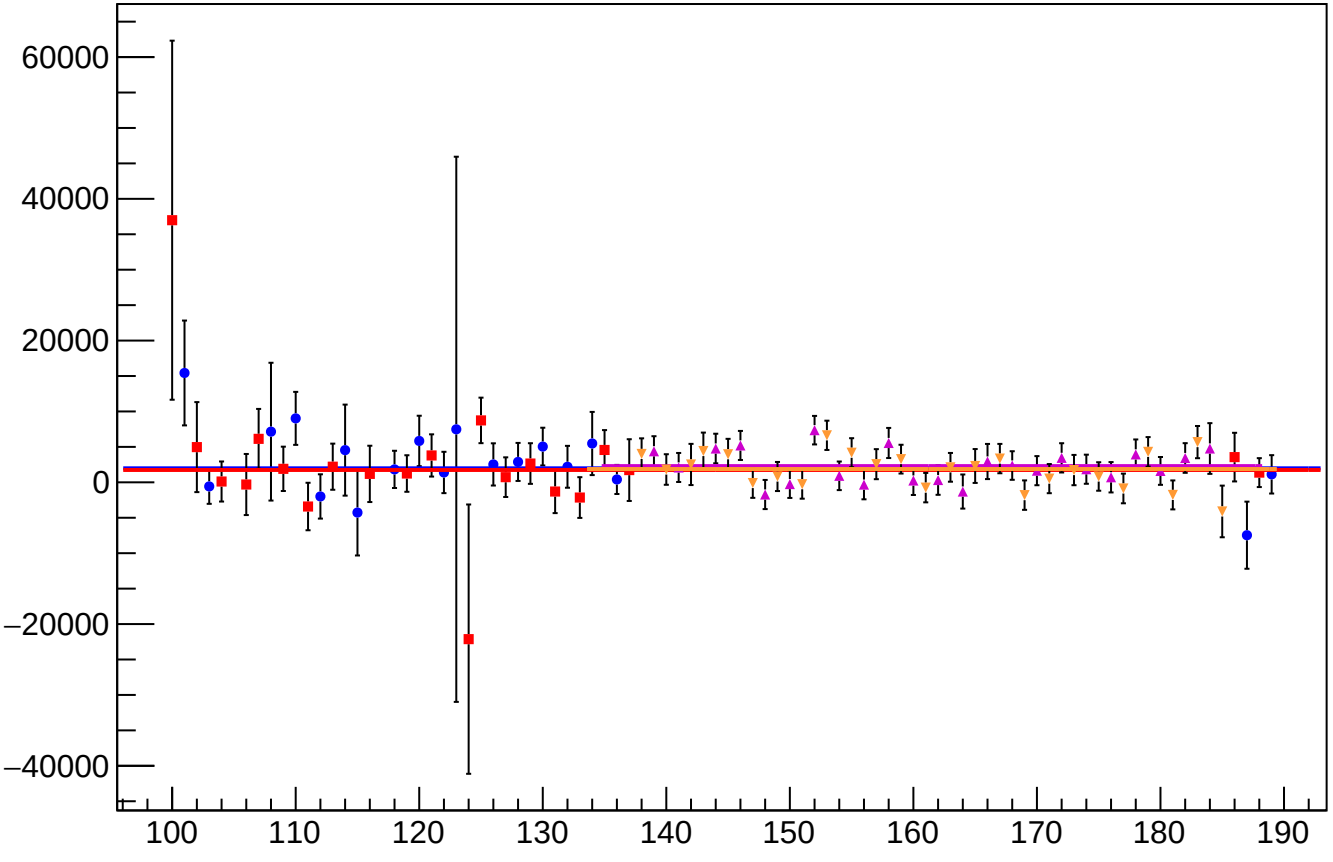
Right: 2134.658+/-0.387 $\chi^2$/NDF: 968295.5/39

In: 1950.982+/-0.279 $\chi^2$/NDF:1002413.8/41

Out: 1988.170+/-0.275 $\chi^2$/NDF:1018132.9/45

All: 1969.854+/-0.196 $\chi^2$/NDF: 2029547.7/87

# dit_asym_at1_avg_mean vs Slug, Sign Corrected




Right In: 1974.318+/-758.543 $\chi^2$/NDF: 19.1/18

Left Out: 1875.290+/-433.245 $\chi^2$/NDF:30.0/24

Right Out: 1744.603+/-714.794 $\chi^2$/NDF: 17.5/20

Left In: 2286.268+/-441.005 $\chi^2$/NDF:27.3/22

Left: 2077.132+/-309.058 $\chi^2$/NDF: 57.8/47

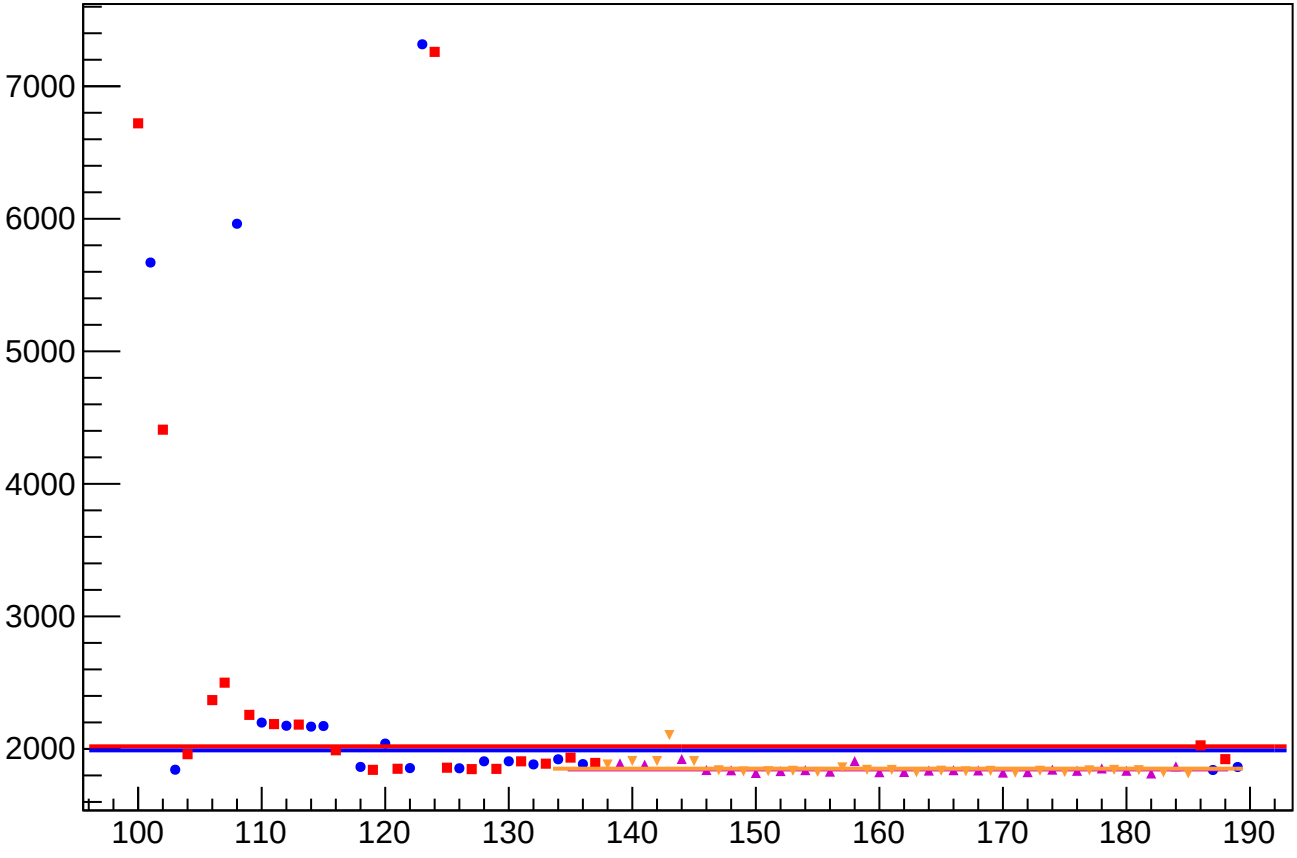
Right: 1852.645+/-520.215 $\chi^2$/NDF: 36.6/39

In: 2207.463+/-381.254 $\chi^2$/NDF:46.5/41

Out: 1840.179+/-370.502 $\chi^2$/NDF:47.5/45

All: 2018.569+/-265.704 $\chi^2$/NDF: 94.5/87

# dit_asym_at1_avg_rms vs Slug, Sign Corrected




Right In: 1989.283+/-0.536 $\chi^2$/NDF: 923014.4/18

Left Out: 1851.066+/-0.306 $\chi^2$/NDF:26251.6/24

Right Out: 2019.618+/-0.505 $\chi^2$/NDF: 616142.7/20

Left In: 1845.411+/-0.312 $\chi^2$/NDF:8318.8/22

Left: 1848.289+/-0.219 $\chi^2$/NDF: 34737.7/47

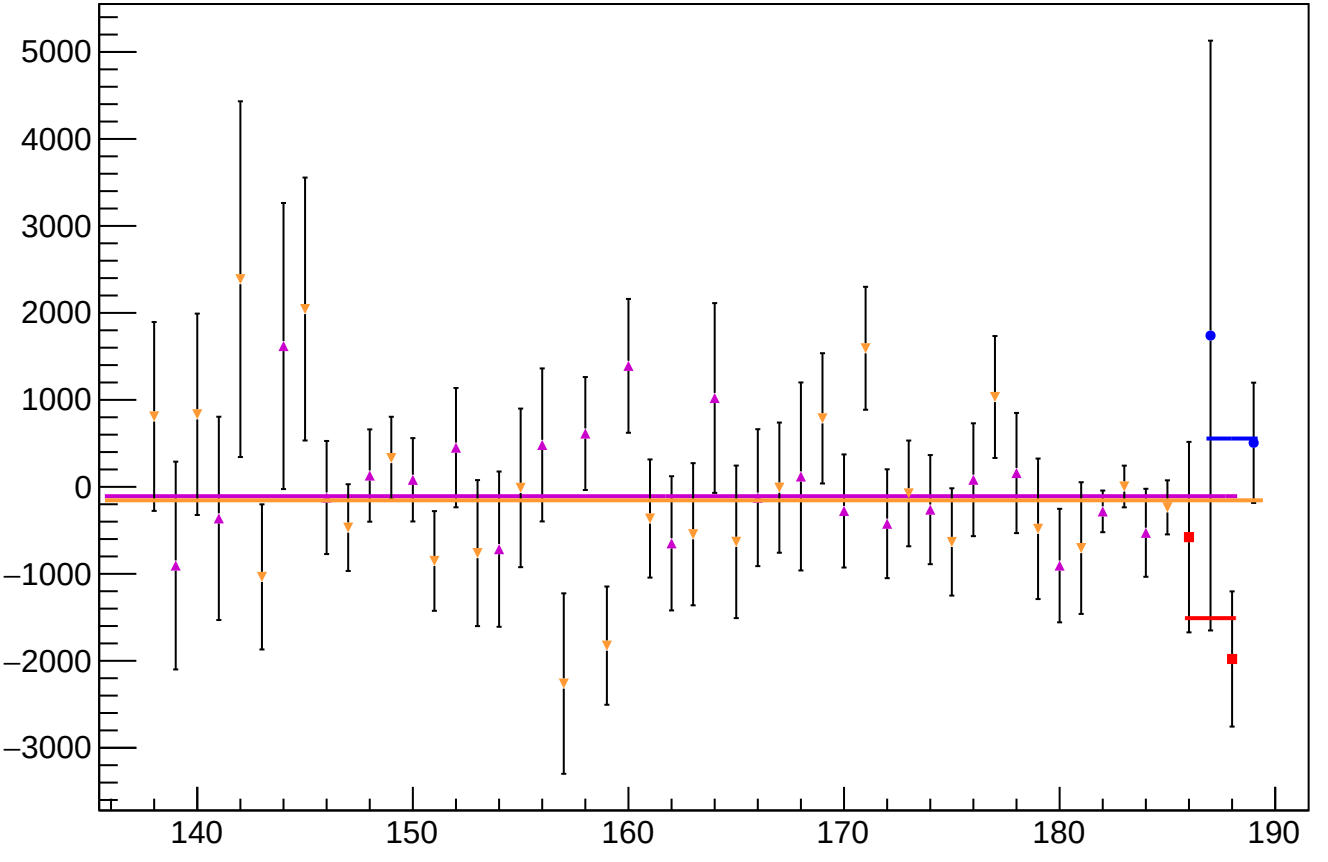
Right: 2005.351+/-0.368 $\chi^2$/NDF: 1540851.2/39

In: 1881.756+/-0.270 $\chi^2$/NDF:985106.1/41

Out: 1896.351+/-0.262 $\chi^2$/NDF:723724.4/45

All: 1889.262+/-0.188 $\chi^2$/NDF: 1710337.9/87

# asym_at1_avg_correction_mean vs Slug, Sign Corrected




Right In: 555.617+/-677.475 $\chi^2$/NDF: 0.1/1

Left Out: -154.845+/-119.654 $\chi^2$/NDF:33.0/24

Right Out: -1509.449+/-633.812 $\chi^2$/NDF: 1.1/1

Left In: -107.387+/-127.580 $\chi^2$/NDF:13.5/22

Left: -132.636+/-87.276 $\chi^2$/NDF: 46.6/47

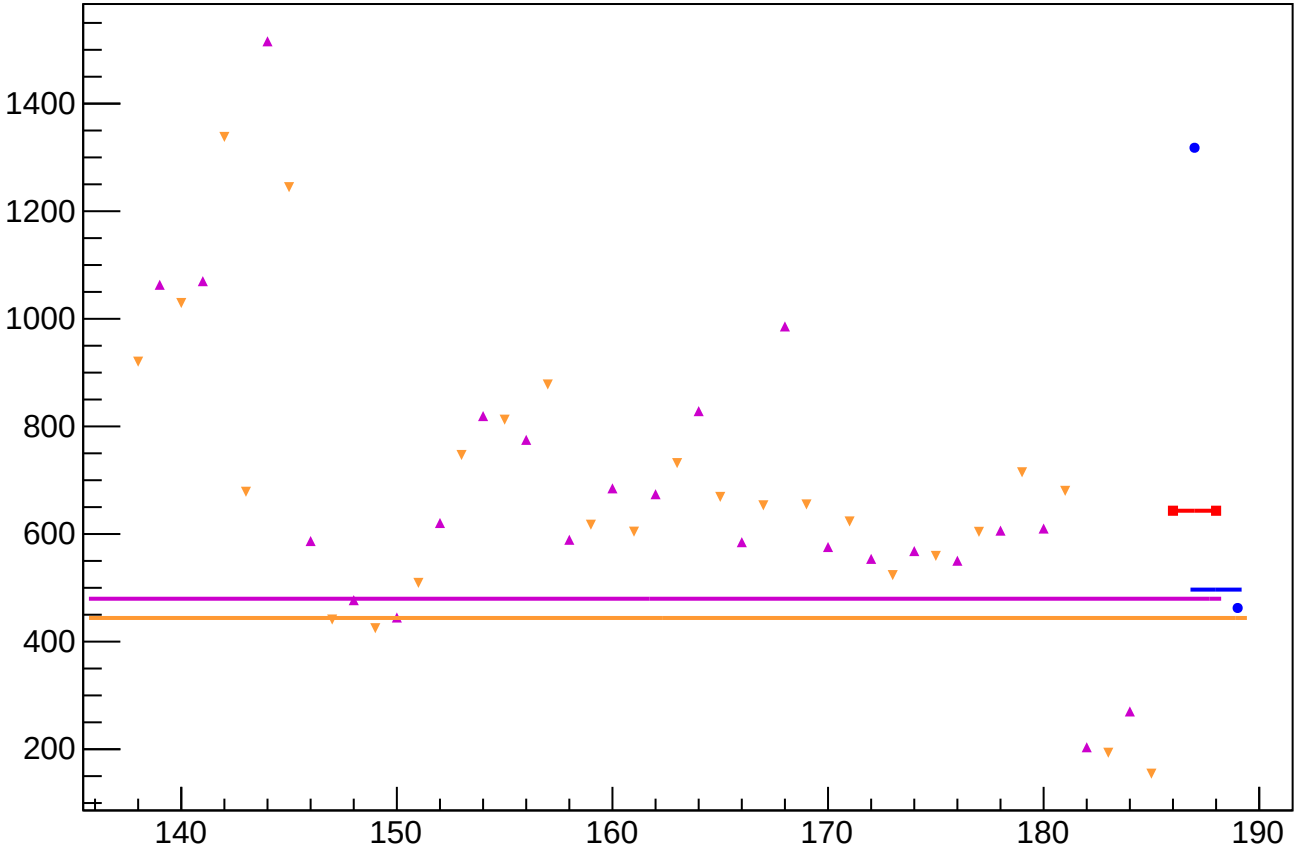
Right: -545.602+/-462.839 $\chi^2$/NDF: 6.2/3

In: -84.681+/-125.376 $\chi^2$/NDF:14.6/24

Out: -201.462+/-117.577 $\chi^2$/NDF:38.5/26

All: -146.816+/-85.764 $\chi^2$/NDF: 53.5/51

# asym_at1_avg_correction_rms vs Slug, Sign Corrected




Right In: 496.683+/-0.479 $\chi^2$/NDF: 122231.2/1

Left Out: 443.961+/-0.085 $\chi^2$/NDF:8573133.3/24

Right Out: 643.286+/-0.448 $\chi^2$/NDF: 0.0/1

Left In: 479.723+/-0.090 $\chi^2$/NDF:6734597.7/22

Left: 460.697+/-0.062 $\chi^2$/NDF: 15391334.0/47

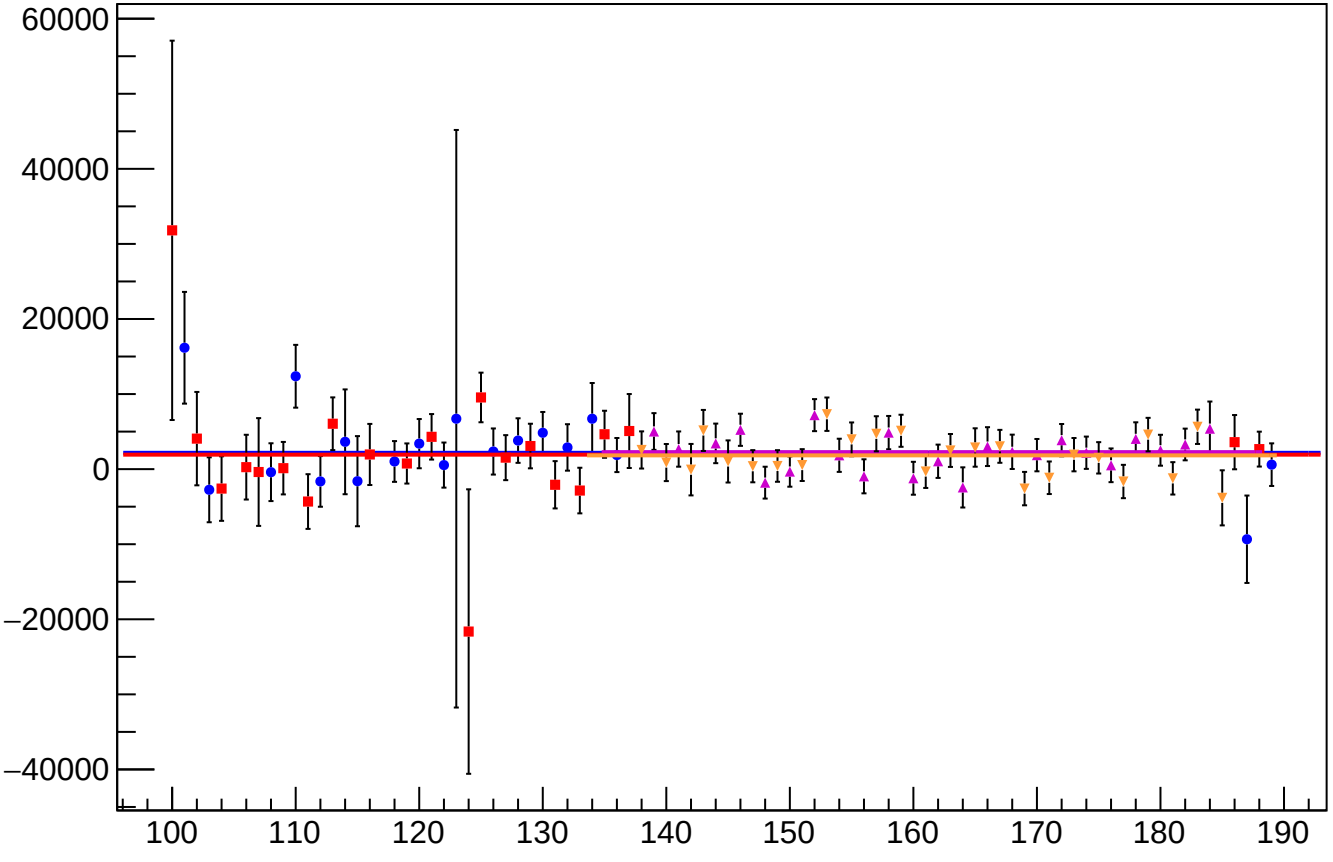
Right: 574.861+/-0.327 $\chi^2$/NDF: 172173.6/3

In: 480.304+/-0.089 $\chi^2$/NDF:6858039.5/24

Out: 450.821+/-0.083 $\chi^2$/NDF:8764129.2/26

All: 464.617+/-0.061 $\chi^2$/NDF: 15681012.6/51

# asym_at1_avg_mean vs Slug, Sign Corrected




Right In: 2174.271+/-811.609 $\chi^2$/NDF: 20.0/18

Left Out: 1834.720+/-463.777 $\chi^2$/NDF:32.8/24

Right Out: 1929.799+/-781.962 $\chi^2$/NDF: 20.9/20

Left In: 2260.178+/-472.324 $\chi^2$/NDF:26.3/22

Left: 2043.565+/-330.920 $\chi^2$/NDF: 59.5/47

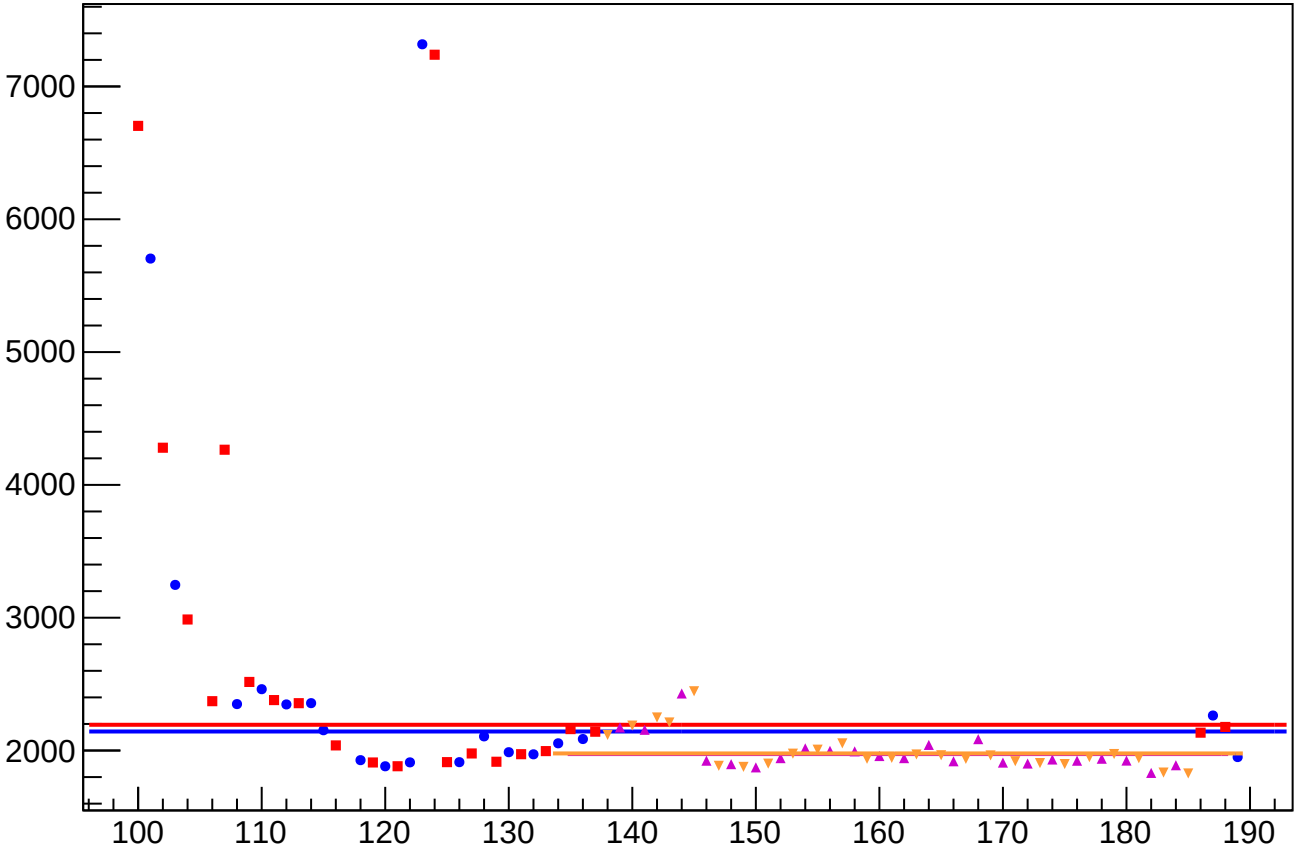
Right: 2047.488+/-563.120 $\chi^2$/NDF: 40.9/39

In: 2238.444+/-408.227 $\chi^2$/NDF:46.3/41

Out: 1859.462+/-398.895 $\chi^2$/NDF:53.7/45

All: 2044.572+/-285.304 $\chi^2$/NDF: 100.4/87

# asym_at1_avg_rms vs Slug, Sign Corrected




Right In: 2143.232+/-0.574 $\chi^2$/NDF: 724527.7/18

Left Out: 1978.045+/-0.328 $\chi^2$/NDF:137699.3/24

Right Out: 2193.824+/-0.553 $\chi^2$/NDF: 803746.4/20

Left In: 1973.216+/-0.334 $\chi^2$/NDF:120479.3/22

Left: 1975.675+/-0.234 $\chi^2$/NDF: 258285.0/47

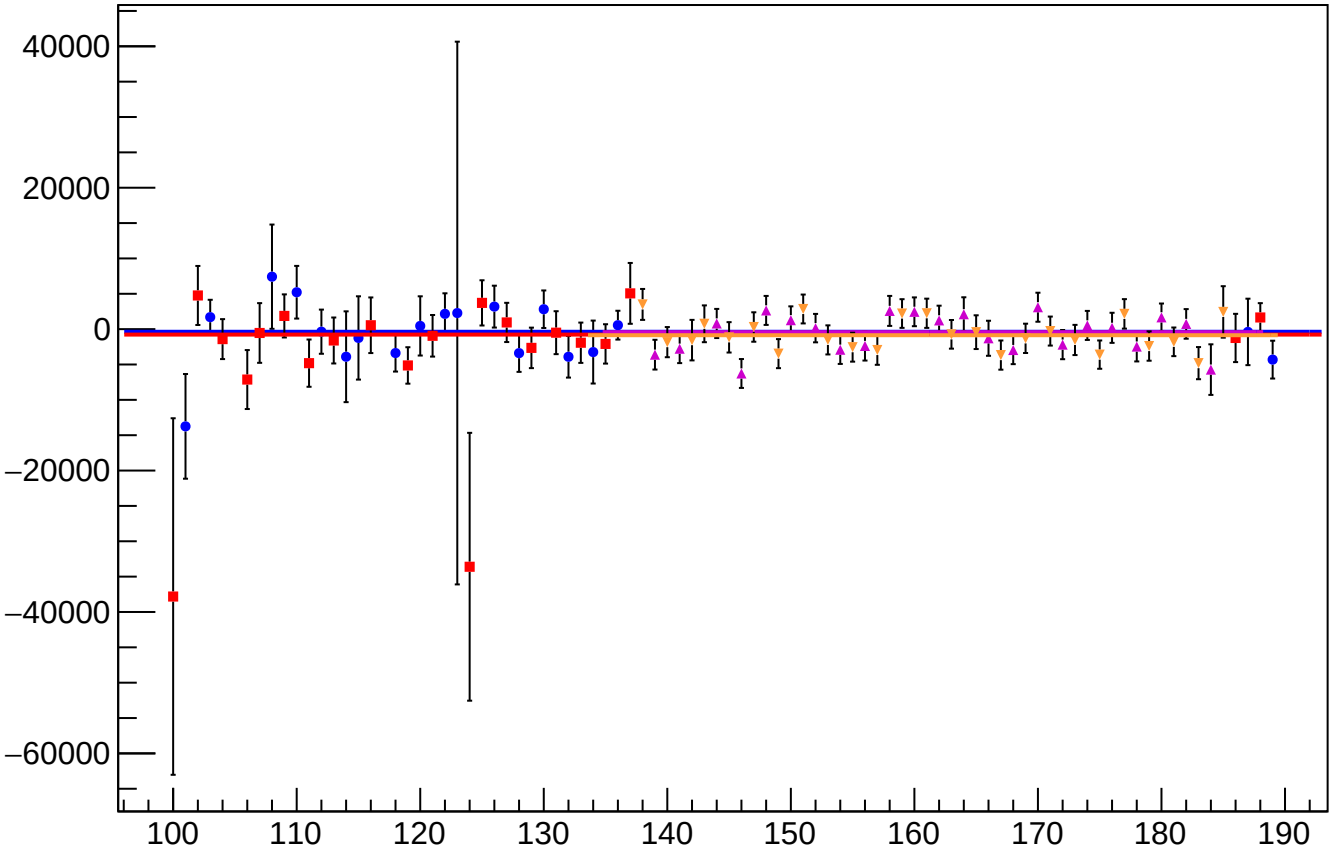
Right: 2169.469+/-0.398 $\chi^2$/NDF: 1532304.4/39

In: 2016.229+/-0.289 $\chi^2$/NDF:910566.9/41

Out: 2034.196+/-0.282 $\chi^2$/NDF:1054108.9/45

All: 2025.420+/-0.202 $\chi^2$/NDF: 1966657.6/87

# dit_asym_at1_dd_mean vs Slug, Sign Corrected




Right In: -372.364+/-757.656 $\chi^2$/NDF: 18.2/18

Left Out: -858.637+/-431.465 $\chi^2$/NDF:26.9/24

Right Out: -770.588+/-704.094 $\chi^2$/NDF: 21.0/20

Left In: -427.682+/-439.561 $\chi^2$/NDF:33.7/22

Left: -647.165+/-307.914 $\chi^2$/NDF: 61.1/47

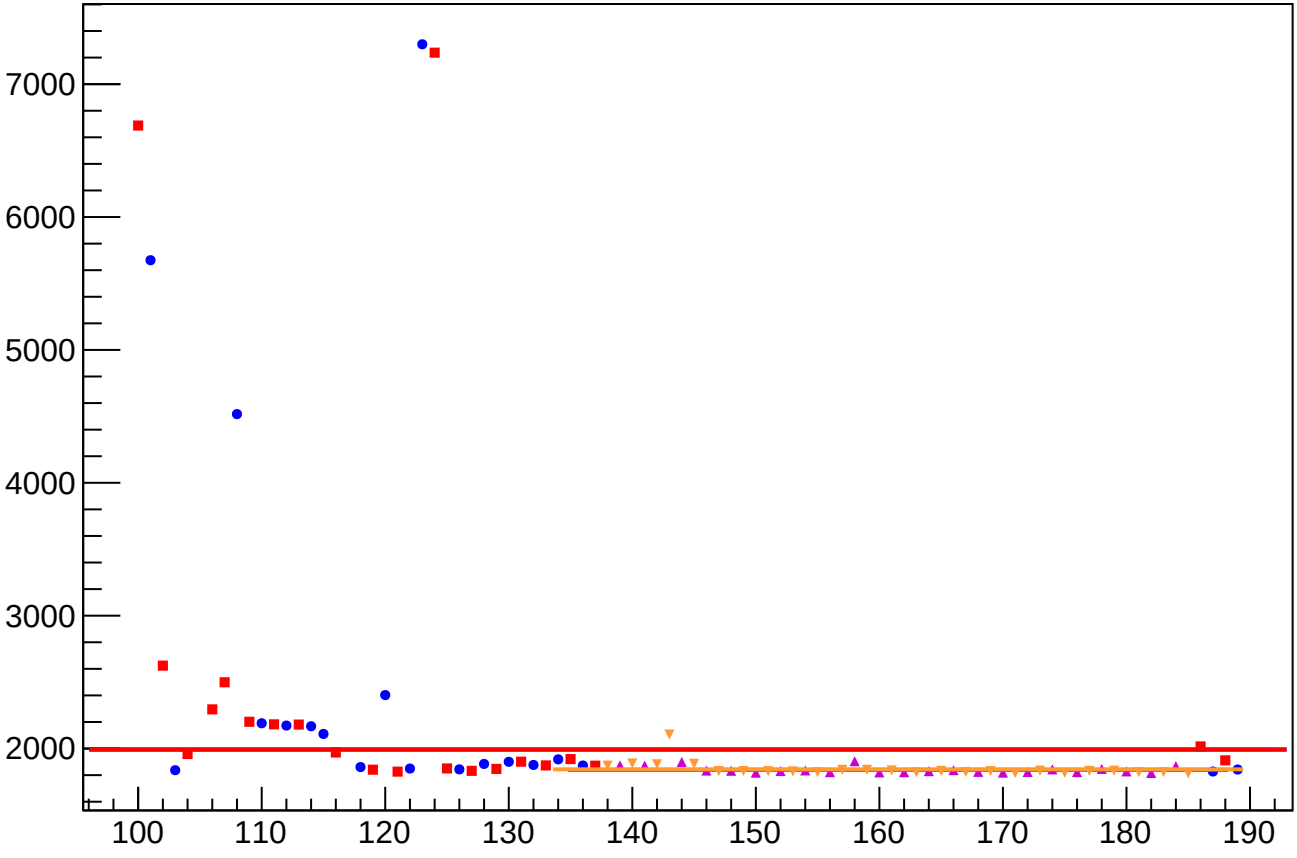
Right: -586.048+/-515.767 $\chi^2$/NDF: 39.4/39

In: -413.752+/-380.208 $\chi^2$/NDF:51.9/41

Out: -834.600+/-367.886 $\chi^2$/NDF:47.9/45

All: -631.106+/-264.383 $\chi^2$/NDF: 100.4/87

# dit_asym_at1_dd_rms vs Slug, Sign Corrected




Right In: 1992.034+/-0.536 $\chi^2$/NDF: 849515.5/18

Left Out: 1843.534+/-0.305 $\chi^2$/NDF:24974.2/24

Right Out: 1994.081+/-0.498 $\chi^2$/NDF: 371316.7/20

Left In: 1839.431+/-0.311 $\chi^2$/NDF:6418.5/22

Left: 1841.521+/-0.218 $\chi^2$/NDF: 31481.4/47

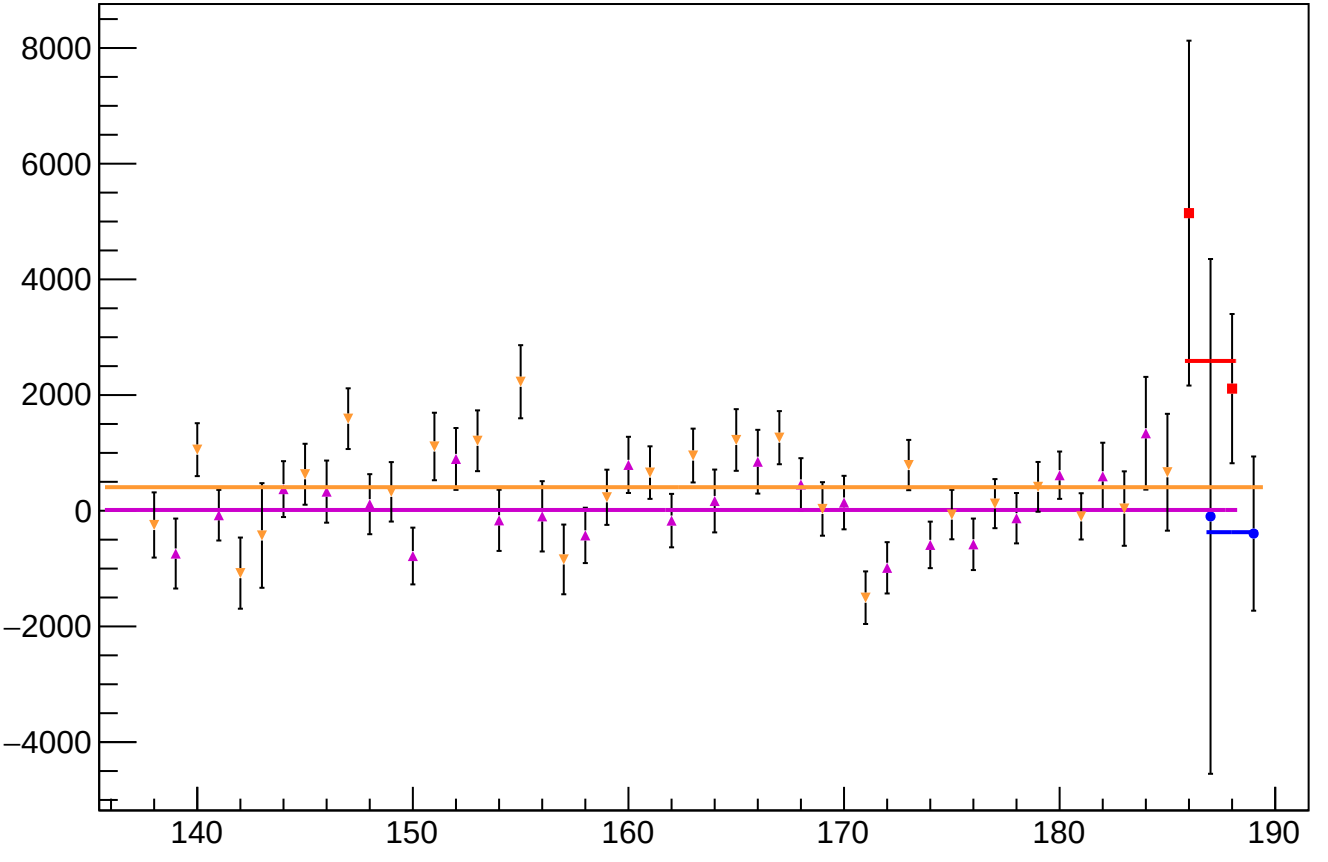
Right: 1993.133+/-0.365 $\chi^2$/NDF: 1220840.0/39

In: 1877.860+/-0.269 $\chi^2$/NDF:916637.6/41

Out: 1884.634+/-0.260 $\chi^2$/NDF:462764.7/45

All: 1881.359+/-0.187 $\chi^2$/NDF: 1379730.1/87

# asym_at1_dd_correction_mean vs Slug, Sign Corrected




Right In: -370.570+/-1276.991 $\chi^2$/NDF: 0.0/1

Left Out: 407.320+/-101.221 $\chi^2$/NDF:62.1/24

Right Out: 2589.751+/-1183.924 $\chi^2$/NDF: 0.9/1

Left In: 13.395+/-102.912 $\chi^2$/NDF:29.2/22

Left: 213.621+/-72.165 $\chi^2$/NDF: 98.8/47

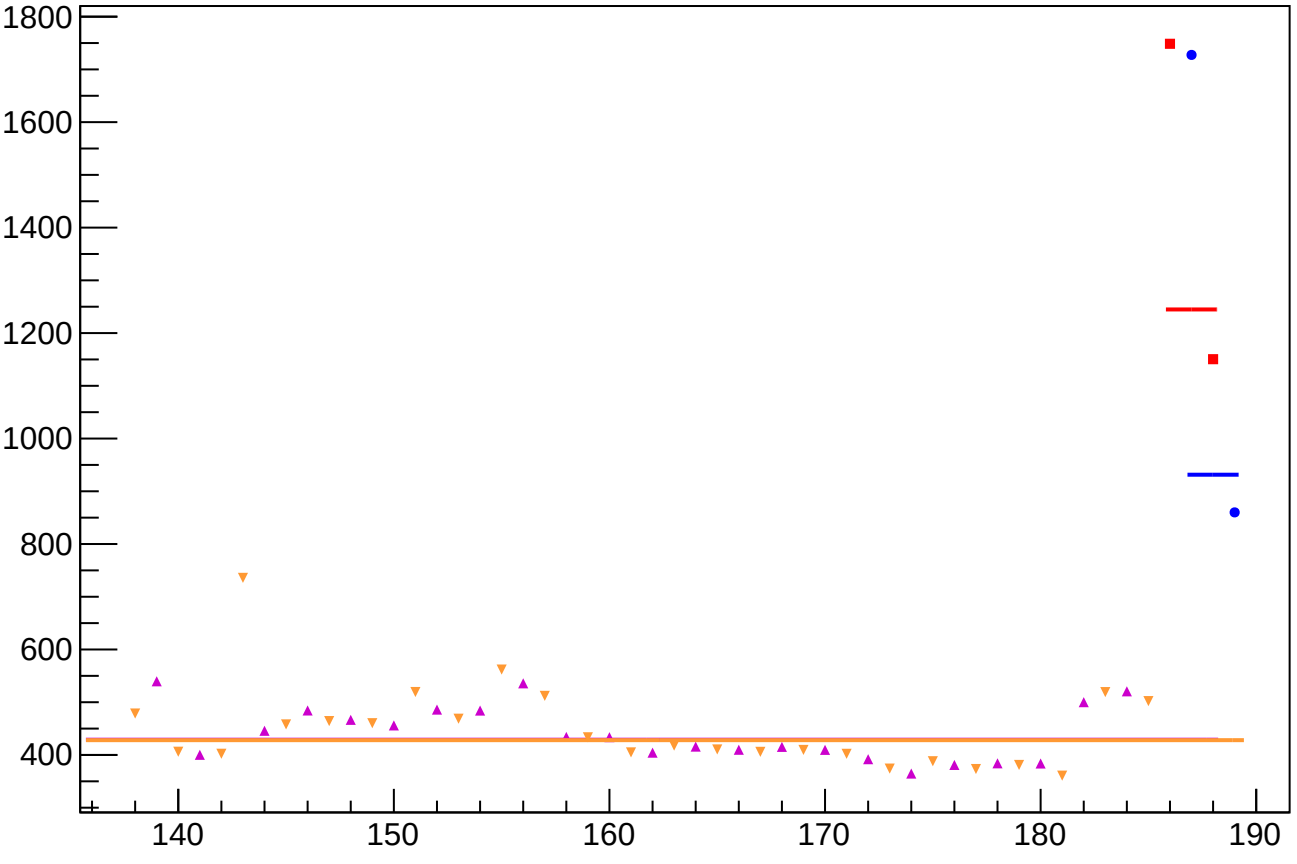
Right: 1221.384+/-868.200 $\chi^2$/NDF: 3.8/3

In: 10.917+/-102.580 $\chi^2$/NDF:29.3/24

Out: 423.157+/-100.853 $\chi^2$/NDF:66.4/26

All: 220.535+/-71.917 $\chi^2$/NDF: 103.9/51

# asym_at1_dd_correction_rms vs Slug, Sign Corrected




Right In: 931.422+/-0.903 $\chi^2$/NDF: 69750.1/1

Left Out: 428.052+/-0.072 $\chi^2$/NDF:704731.3/24

Right Out: 1244.808+/-0.837 $\chi^2$/NDF: 67803.2/1

Left In: 428.926+/-0.073 $\chi^2$/NDF:418755.3/22

Left: 428.482+/-0.051 $\chi^2$/NDF: 1123560.0/47

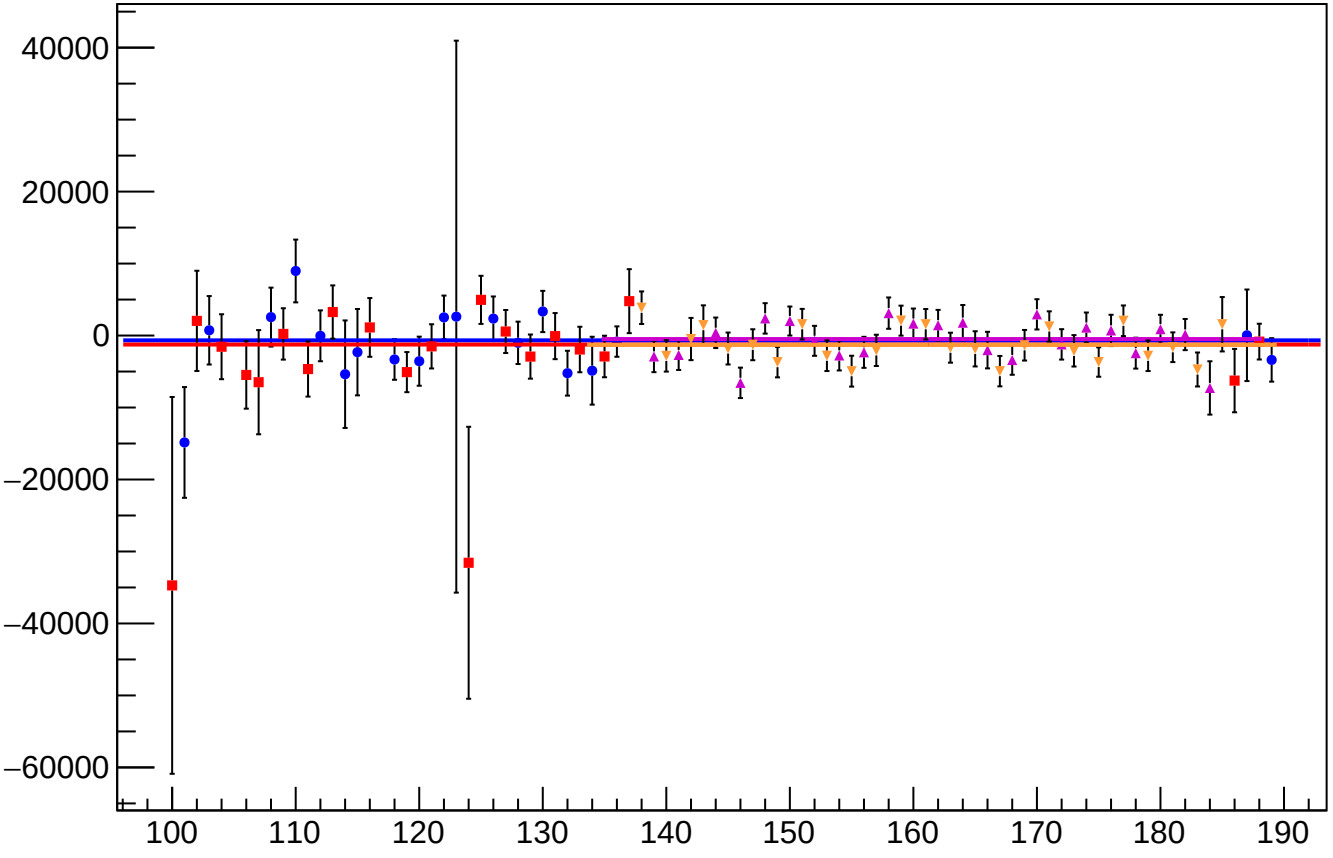
Right: 1099.949+/-0.614 $\chi^2$/NDF: 202328.0/3

In: 432.169+/-0.073 $\chi^2$/NDF:796190.7/24

Out: 433.979+/-0.071 $\chi^2$/NDF:1717473.4/26

All: 433.089+/-0.051 $\chi^2$/NDF: 2513980.7/51

# asym_at1_dd_mean vs Slug, Sign Corrected




Right In: -668.432+/-824.631 $\chi^2$/NDF: 18.9/18

Left Out: -1294.152+/-444.151 $\chi^2$/NDF:29.6/24

Right Out: -1249.284+/-804.958 $\chi^2$/NDF: 18.3/20

Left In: -485.827+/-452.020 $\chi^2$/NDF:32.4/22

Left: -897.086+/-316.808 $\chi^2$/NDF: 63.7/47

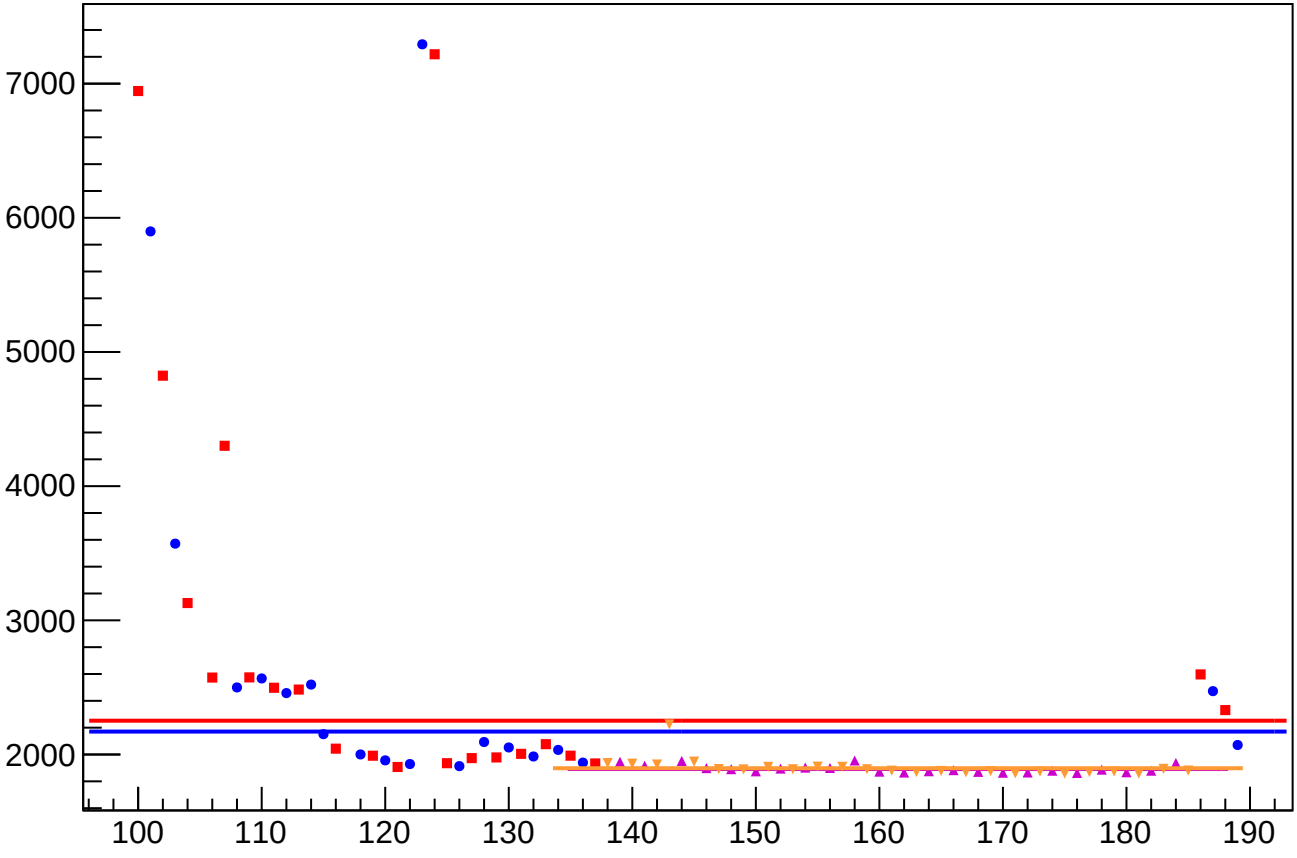
Right: -965.869+/-576.021 $\chi^2$/NDF: 37.4/39

In: -528.017+/-396.377 $\chi^2$/NDF:51.4/41

Out: -1283.680+/-388.882 $\chi^2$/NDF:47.9/45

All: -913.061+/-277.593 $\chi^2$/NDF: 101.1/87

# asym_at1_dd_rms vs Slug, Sign Corrected




Right In: 2170.880+/-0.583 $\chi^2$/NDF: 812069.3/18

Left Out: 1897.670+/-0.314 $\chi^2$/NDF:35089.1/24

Right Out: 2251.908+/-0.569 $\chi^2$/NDF: 911585.7/20

Left In: 1891.722+/-0.320 $\chi^2$/NDF:7584.2/22

Left: 1894.748+/-0.224 $\chi^2$/NDF: 42849.4/47

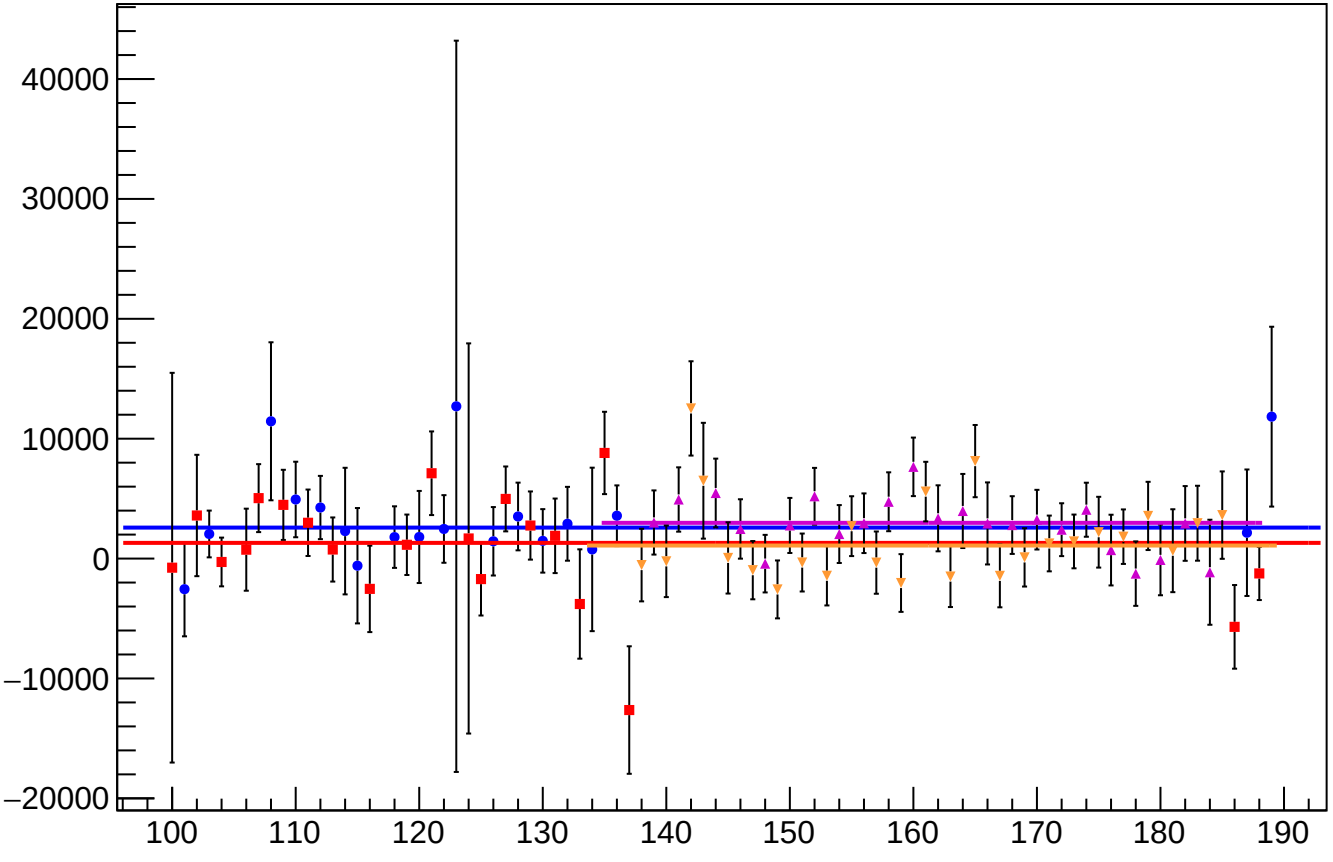
Right: 2212.372+/-0.407 $\chi^2$/NDF: 1733543.2/39

In: 1956.220+/-0.280 $\chi^2$/NDF:995896.6/41

Out: 1980.347+/-0.275 $\chi^2$/NDF:1243601.9/45

All: 1968.514+/-0.196 $\chi^2$/NDF: 2243274.1/87

# dit_asym_at2_avg_mean vs Slug, Sign Corrected




Right In: 2584.602+/-756.398 $\chi^2$/NDF: 7.4/18

Left Out: 1087.902+/-540.984 $\chi^2$/NDF:29.9/24

Right Out: 1309.516+/-685.627 $\chi^2$/NDF: 29.5/20

Left In: 2981.160+/-546.107 $\chi^2$/NDF:14.0/22

Left: 2025.608+/-384.332 $\chi^2$/NDF: 50.0/47

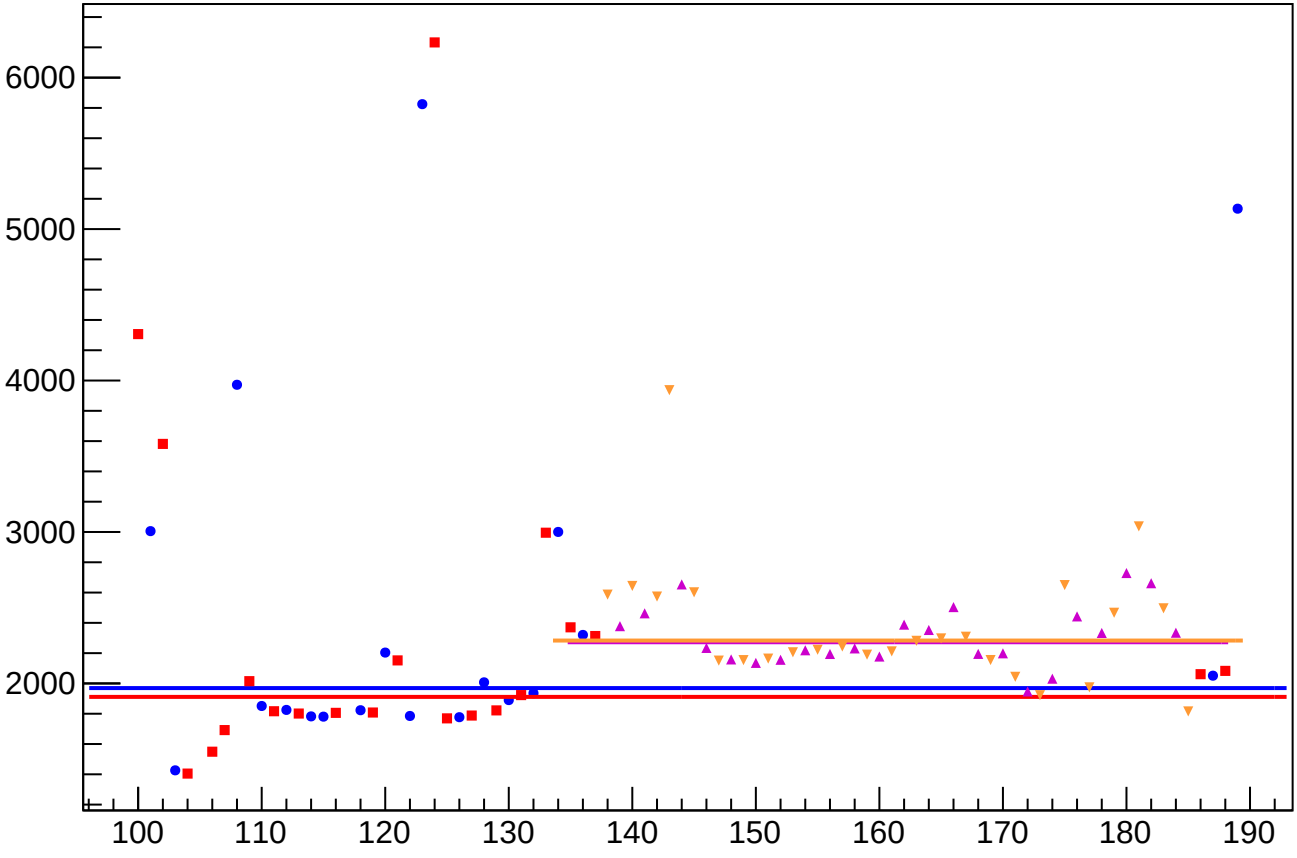
Right: 1884.631+/-507.993 $\chi^2$/NDF: 38.5/39

In: 2845.279+/-442.768 $\chi^2$/NDF:21.7/41

Out: 1172.934+/-424.699 $\chi^2$/NDF:59.4/45

All: 1974.288+/-306.496 $\chi^2$/NDF: 88.5/87

# dit_asym_at2_avg_rms vs Slug, Sign Corrected




Right In: 1969.350+/-0.535 $\chi^2$/NDF: 999723.1/18

Left Out: 2283.204+/-0.383 $\chi^2$/NDF:634430.6/24

Right Out: 1911.157+/-0.485 $\chi^2$/NDF: 770182.9/20

Left In: 2271.946+/-0.386 $\chi^2$/NDF:243546.3/22

Left: 2277.628+/-0.272 $\chi^2$/NDF: 878405.9/47

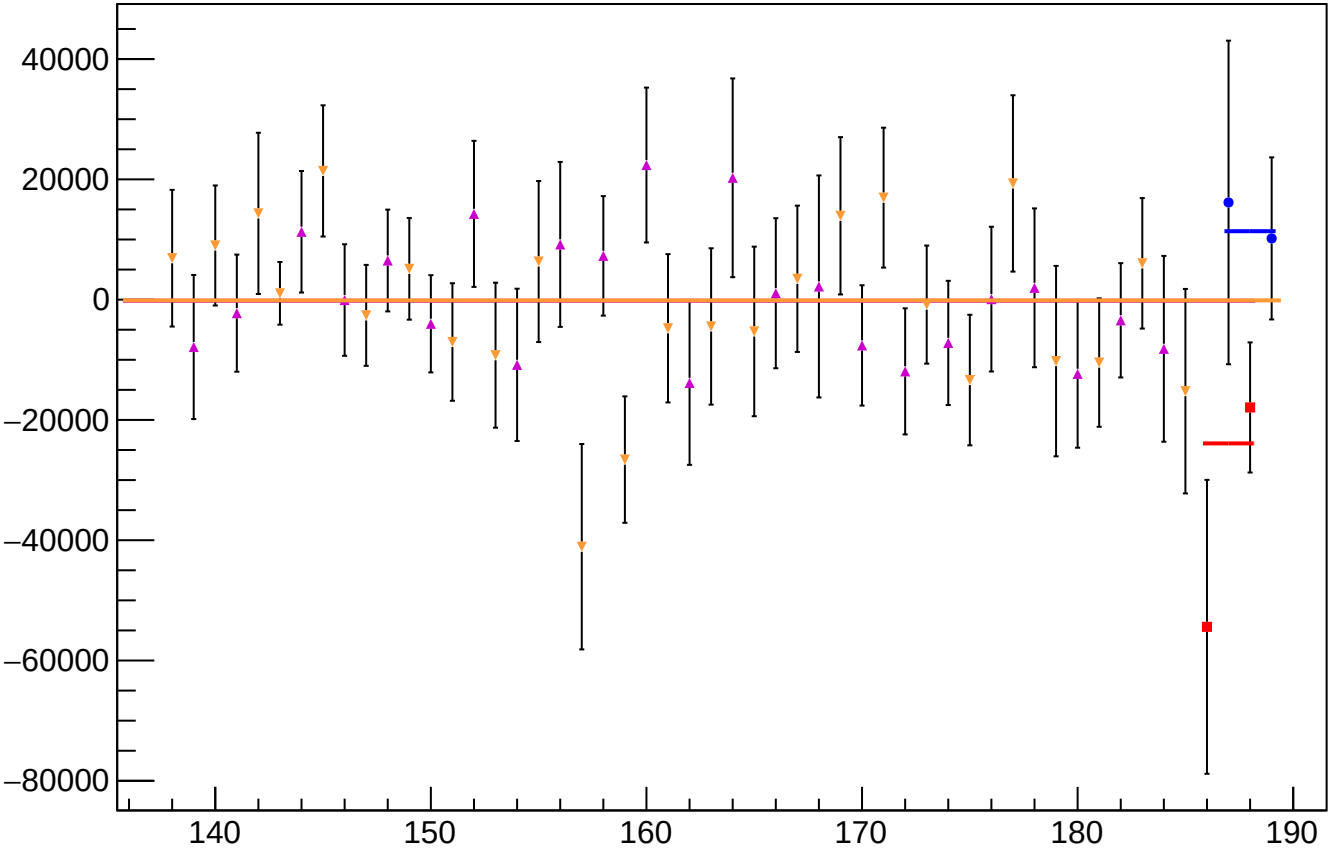
Right: 1937.400+/-0.359 $\chi^2$/NDF: 1776405.5/39

In: 2168.261+/-0.313 $\chi^2$/NDF:1453672.6/41

Out: 2140.423+/-0.300 $\chi^2$/NDF:1767634.4/45

All: 2153.762+/-0.217 $\chi^2$/NDF: 3225424.7/87

# asym_at2_avg_correction_mean vs Slug, Sign Corrected




Right In: 11380.627+/-12047.133 $\chi^2$/NDF: 0.0/1

Left Out: -124.370+/-2141.976 $\chi^2$/NDF:29.7/24

Right Out: -23902.931+/-9891.186 $\chi^2$/NDF: 1.9/1

Left In: -185.013+/-2330.398 $\chi^2$/NDF:15.0/22

Left: -152.141+/-1577.017 $\chi^2$/NDF: 44.7/47

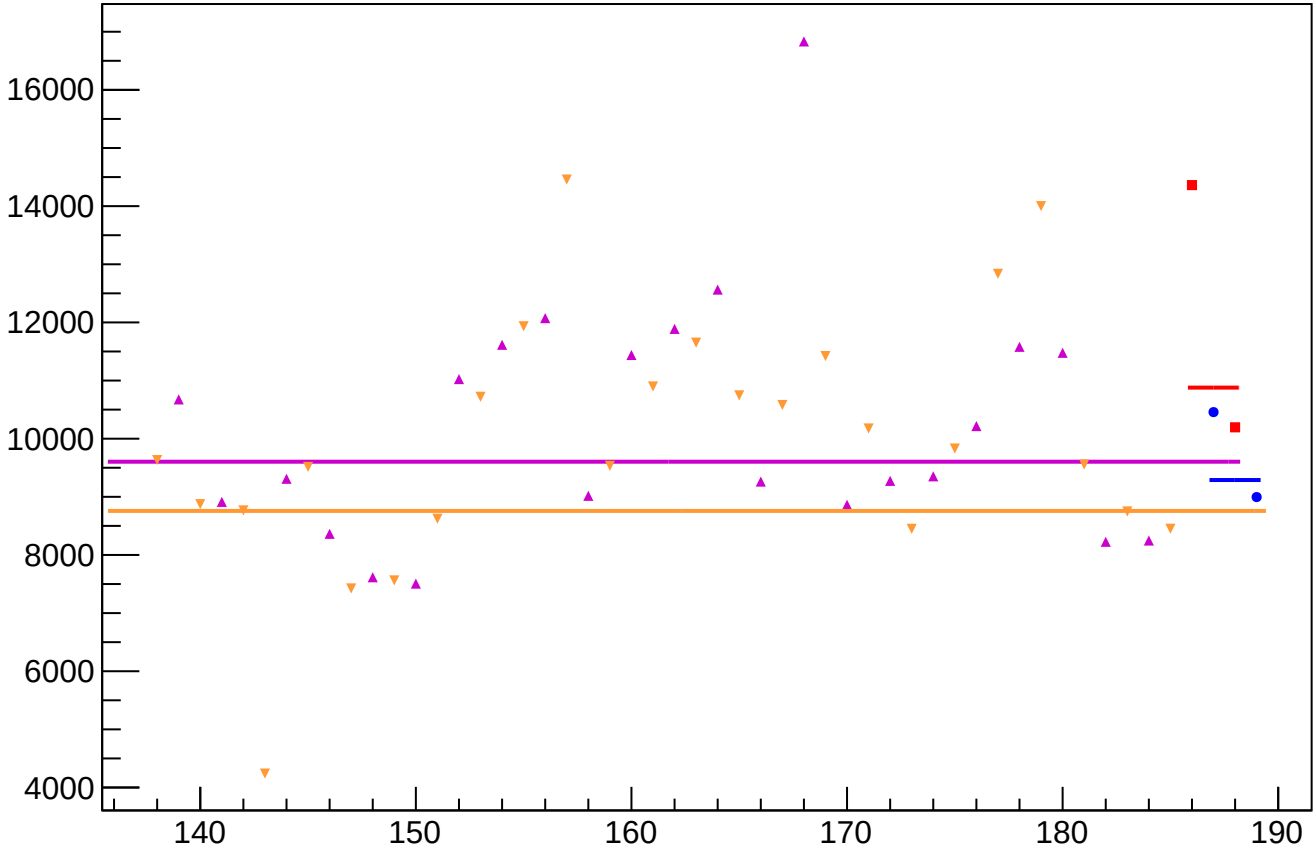
Right: -9695.411+/-7644.633 $\chi^2$/NDF: 7.0/3

In: 232.153+/-2287.984 $\chi^2$/NDF:16.0/24

Out: -1189.530+/-2093.452 $\chi^2$/NDF:37.1/26

All: -541.686+/-1544.496 $\chi^2$/NDF: 53.3/51

# asym_at2_avg_correction_rms vs Slug, Sign Corrected




Right In: 9288.963+/-8.519 $\chi^2$/NDF: 4718.2/1

Left Out: 8757.819+/-1.515 $\chi^2$/NDF:2779104.9/24

Right Out: 10878.442+/-6.994 $\chi^2$/NDF: 48621.5/1

Left In: 9604.027+/-1.648 $\chi^2$/NDF:1095805.7/22

Left: 9145.335+/-1.115 $\chi^2$/NDF: 4017855.5/47

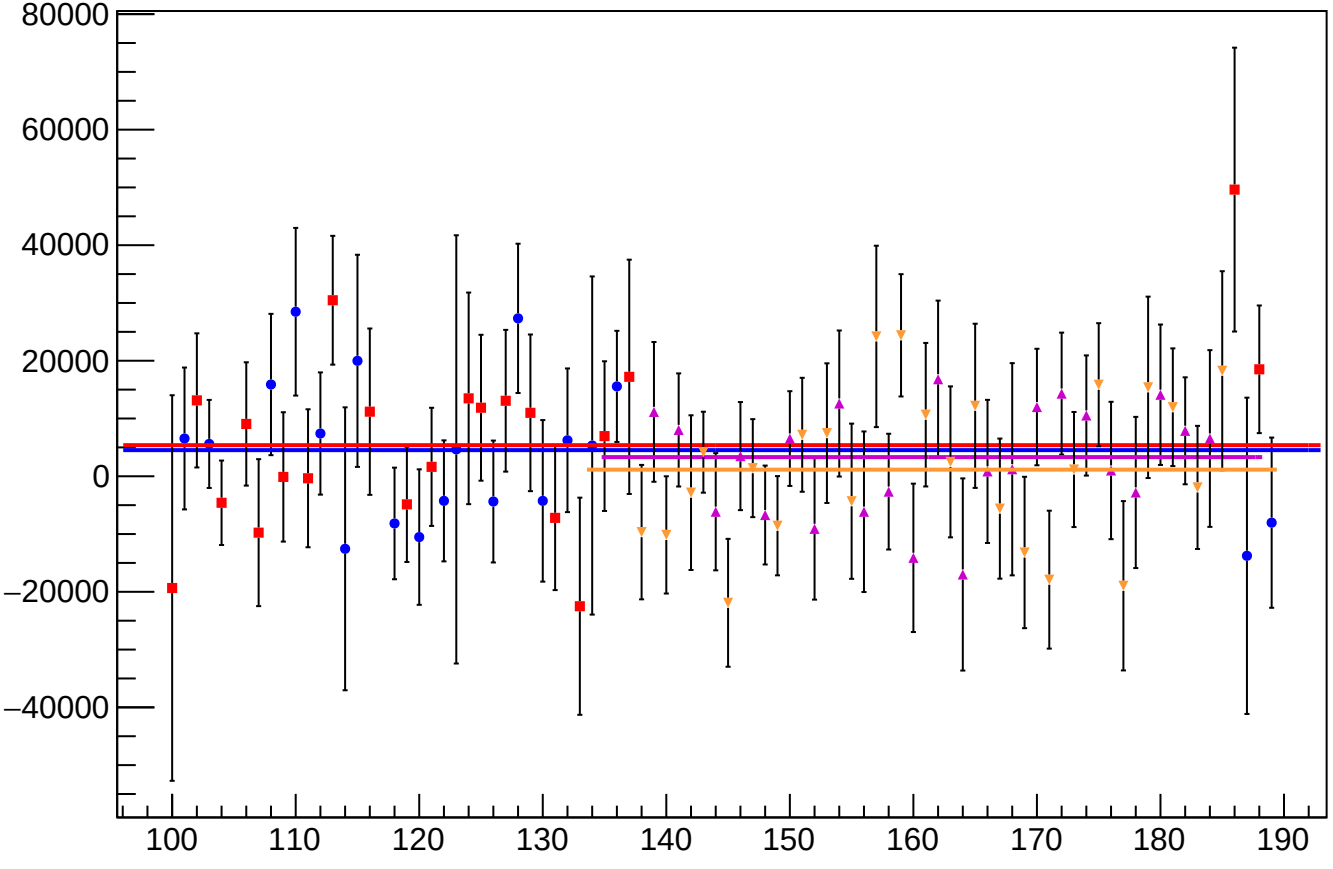
Right: 10238.412+/-5.406 $\chi^2$/NDF: 74136.2/3

In: 9592.663+/-1.618 $\chi^2$/NDF:1101842.5/24

Out: 8852.812+/-1.480 $\chi^2$/NDF:2915539.1/26

All: 9189.953+/-1.092 $\chi^2$/NDF: 4131212.6/51

# asym_at2_avg_mean vs Slug, Sign Corrected




Right In: 4524.421+/-2873.003 $\chi^2$/NDF: 15.7/18

Left Out: 1145.185+/-2232.341 $\chi^2$/NDF:27.9/24

Right Out: 5384.521+/-2689.193 $\chi^2$/NDF: 20.5/20

Left In: 3316.960+/-2336.196 $\chi^2$/NDF:13.4/22

Left: 2181.728+/-1613.970 $\chi^2$/NDF: 41.7/47

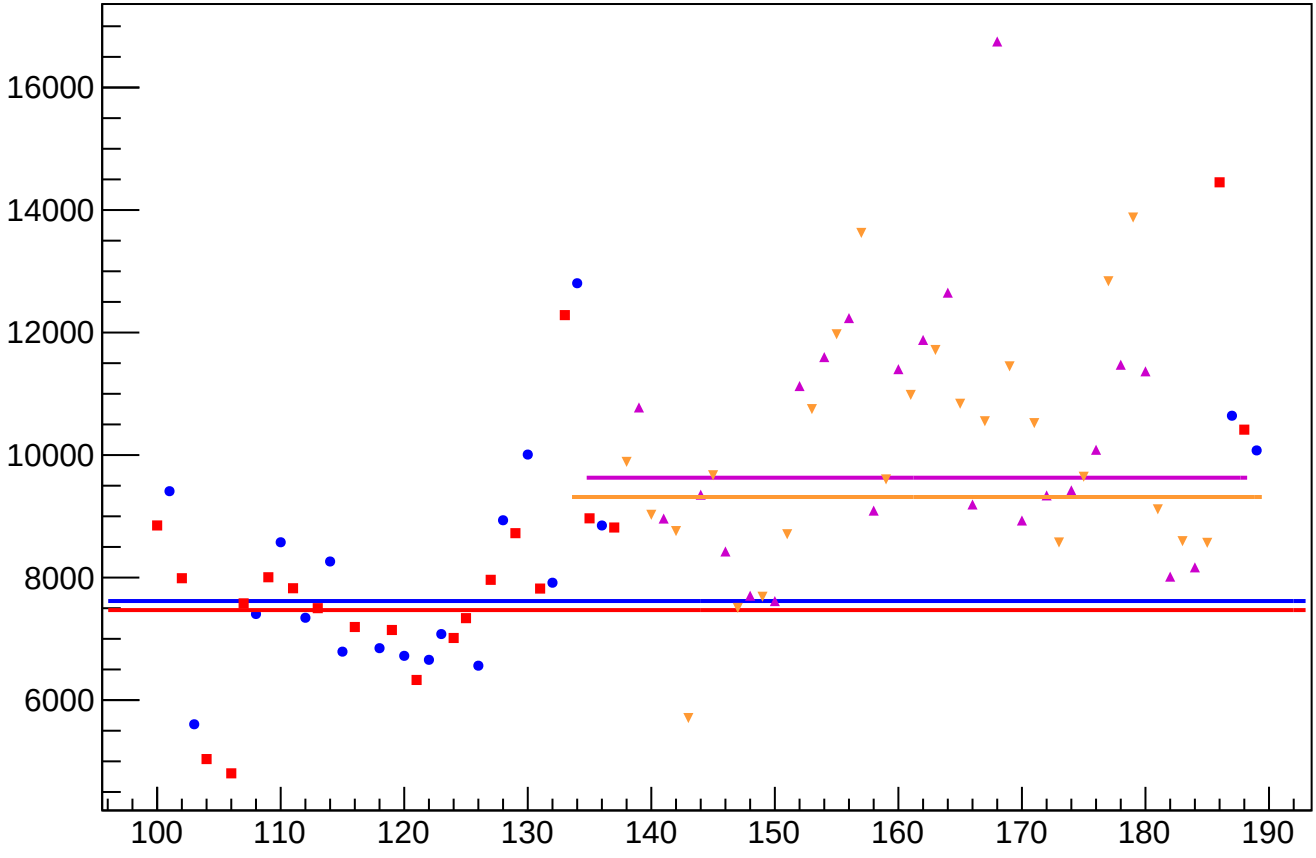
Right: 4982.863+/-1963.314 $\chi^2$/NDF: 36.3/39

In: 3797.569+/-1812.574 $\chi^2$/NDF:29.2/41

Out: 2874.690+/-1717.647 $\chi^2$/NDF:49.8/45

All: 3311.332+/-1246.768 $\chi^2$/NDF: 79.2/87

# asym_at2_avg_rms vs Slug, Sign Corrected




Right In: 7617.152+/-2.031 $\chi^2$/NDF: 516035.7/18

Left Out: 9315.396+/-1.579 $\chi^2$/NDF:1503512.6/24

Right Out: 7469.377+/-1.901 $\chi^2$/NDF: 882331.6/20

Left In: 9630.345+/-1.652 $\chi^2$/NDF:1074643.5/22

Left: 9465.715+/-1.141 $\chi^2$/NDF: 2597156.4/47

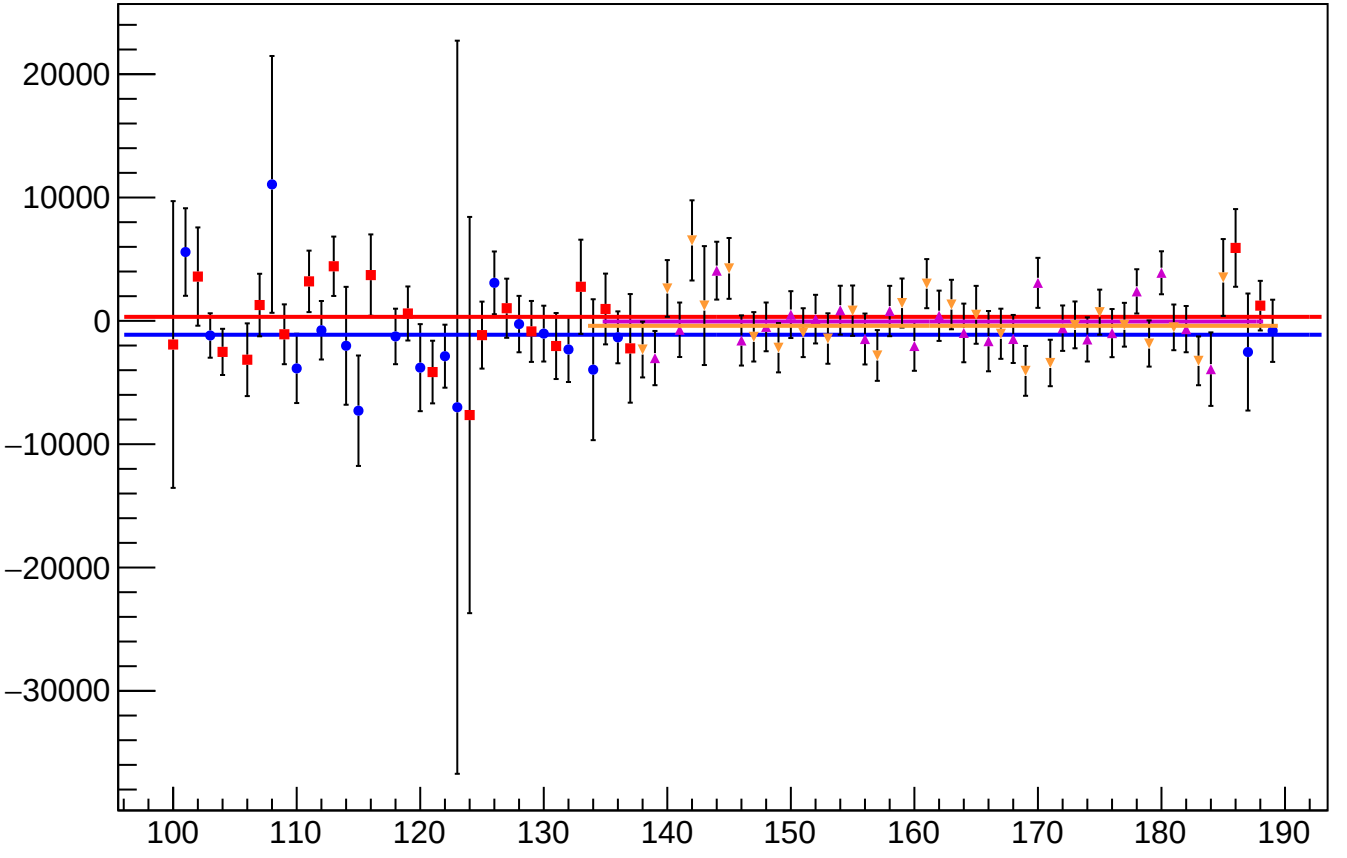
Right: 7538.379+/-1.388 $\chi^2$/NDF: 1401188.0/39

In: 8829.004+/-1.282 $\chi^2$/NDF:2181851.3/41

Out: 8562.177+/-1.215 $\chi^2$/NDF:2943885.6/45

All: 8688.416+/-0.882 $\chi^2$/NDF: 5148573.3/87

# dit_asym_at2_dd_mean vs Slug, Sign Corrected




Right In: -1126.054+/-649.616 $\chi^2$/NDF: 12.4/18

Left Out: -403.389+/-419.243 $\chi^2$/NDF:28.9/24

Right Out: 324.821+/-598.478 $\chi^2$/NDF: 19.1/20

Left In: -53.539+/-422.570 $\chi^2$/NDF:20.9/22

Left: -229.847+/-297.619 $\chi^2$/NDF: 50.1/47

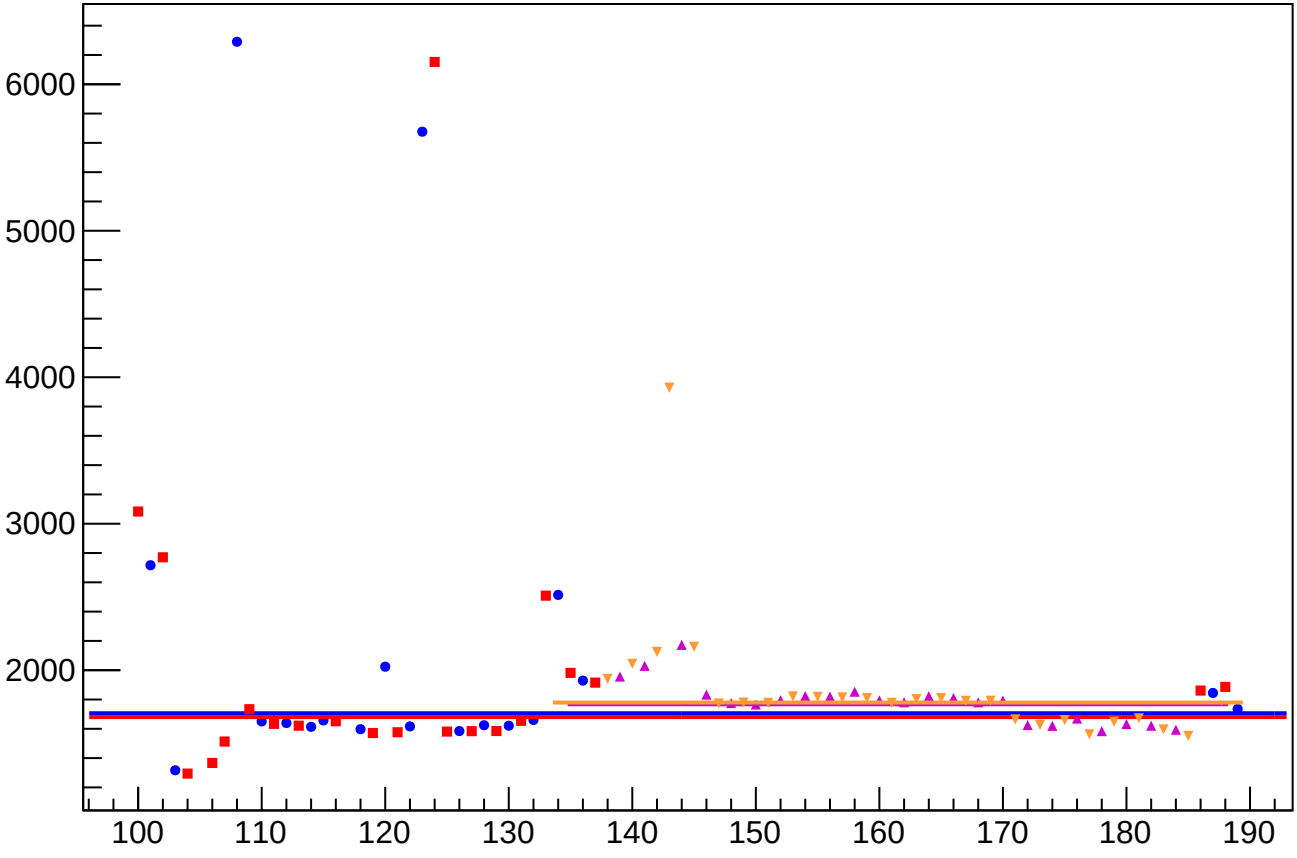
Right: -341.270+/-440.158 $\chi^2$/NDF: 34.1/39

In: -372.428+/-354.221 $\chi^2$/NDF:35.1/41

Out: -163.674+/-343.374 $\chi^2$/NDF:49.0/45

All: -264.806+/-246.548 $\chi^2$/NDF: 84.3/87

# dit_asym_at2_dd_rms vs Slug, Sign Corrected




Right In: 1706.254+/-0.459 $\chi^2$/NDF: 780802.4/18

Left Out: 1779.434+/-0.296 $\chi^2$/NDF:610925.0/24

Right Out: 1680.044+/-0.423 $\chi^2$/NDF: 620354.9/20

Left In: 1767.314+/-0.299 $\chi^2$/NDF:196583.8/22

Left: 1773.422+/-0.210 $\chi^2$/NDF: 808337.9/47

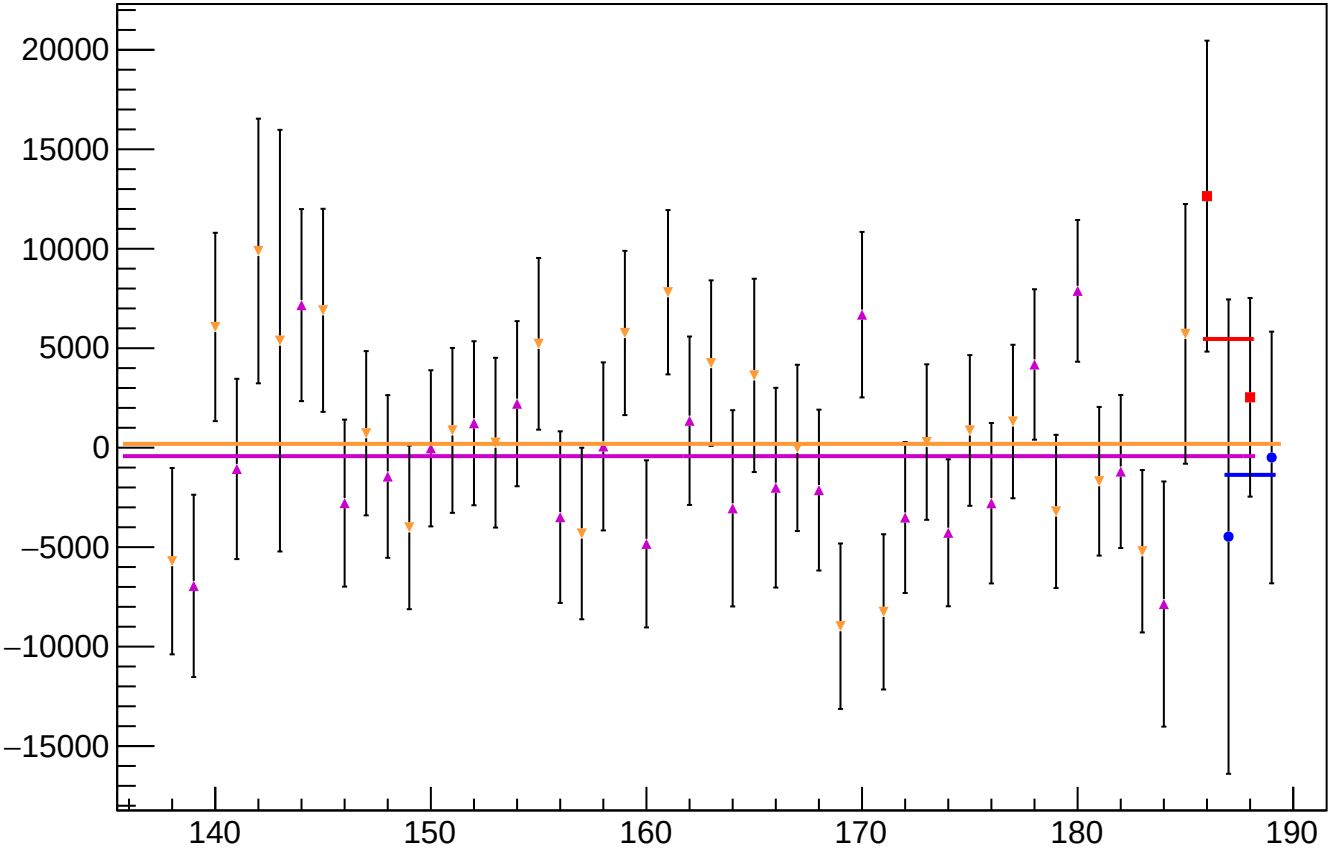
Right: 1692.077+/-0.311 $\chi^2$/NDF: 1402918.3/39

In: 1749.159+/-0.250 $\chi^2$/NDF:989802.0/41

Out: 1746.716+/-0.243 $\chi^2$/NDF:1268281.7/45

All: 1747.900+/-0.174 $\chi^2$/NDF: 2258132.8/87

# asym_at2_dd_correction_mean vs Slug, Sign Corrected




Right In: -1366.419+/-5587.880 $\chi^2$/NDF: 0.1/1

Left Out: 191.104+/-869.912 $\chi^2$/NDF:30.6/24

Right Out: 5464.825+/-4208.226 $\chi^2$/NDF: 1.2/1

Left In: -426.004+/-874.870 $\chi^2$/NDF:21.3/22

Left: -115.696+/-616.866 $\chi^2$/NDF: 52.1/47

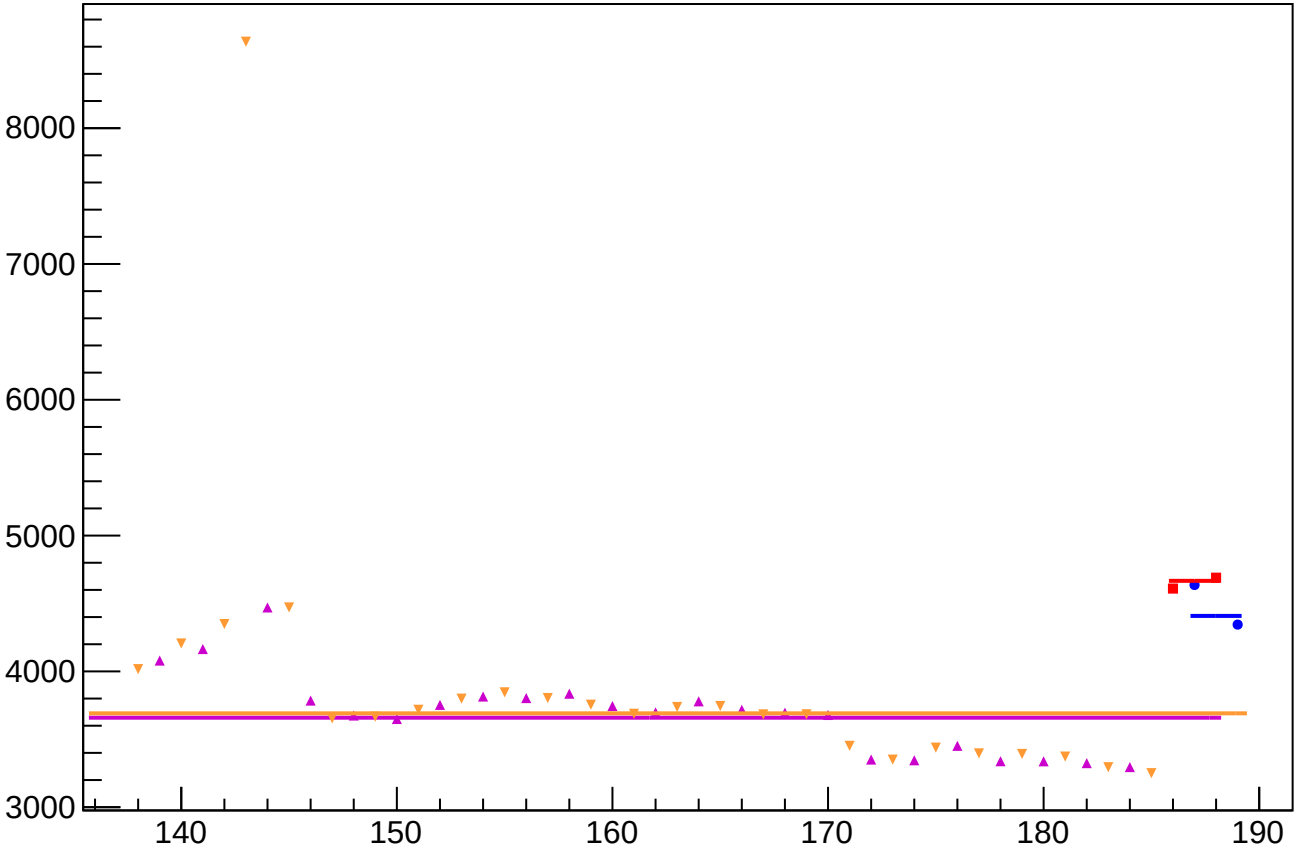
Right: 2992.583+/-3361.574 $\chi^2$/NDF: 2.2/3

In: -448.505+/-864.341 $\chi^2$/NDF:21.4/24

Out: 407.225+/-851.901 $\chi^2$/NDF:33.3/26

All: -14.438+/-606.735 $\chi^2$/NDF: 55.2/51

# asym_at2_dd_correction_rms vs Slug, Sign Corrected




Right In: 4408.615+/-3.951 $\chi^2$/NDF: 932.8/1

Left Out: 3691.174+/-0.615 $\chi^2$/NDF:639471.7/24

Right Out: 4666.759+/-2.976 $\chi^2$/NDF: 149.4/1

Left In: 3659.086+/-0.619 $\chi^2$/NDF:198077.1/22

Left: 3675.221+/-0.436 $\chi^2$/NDF: 838901.7/47

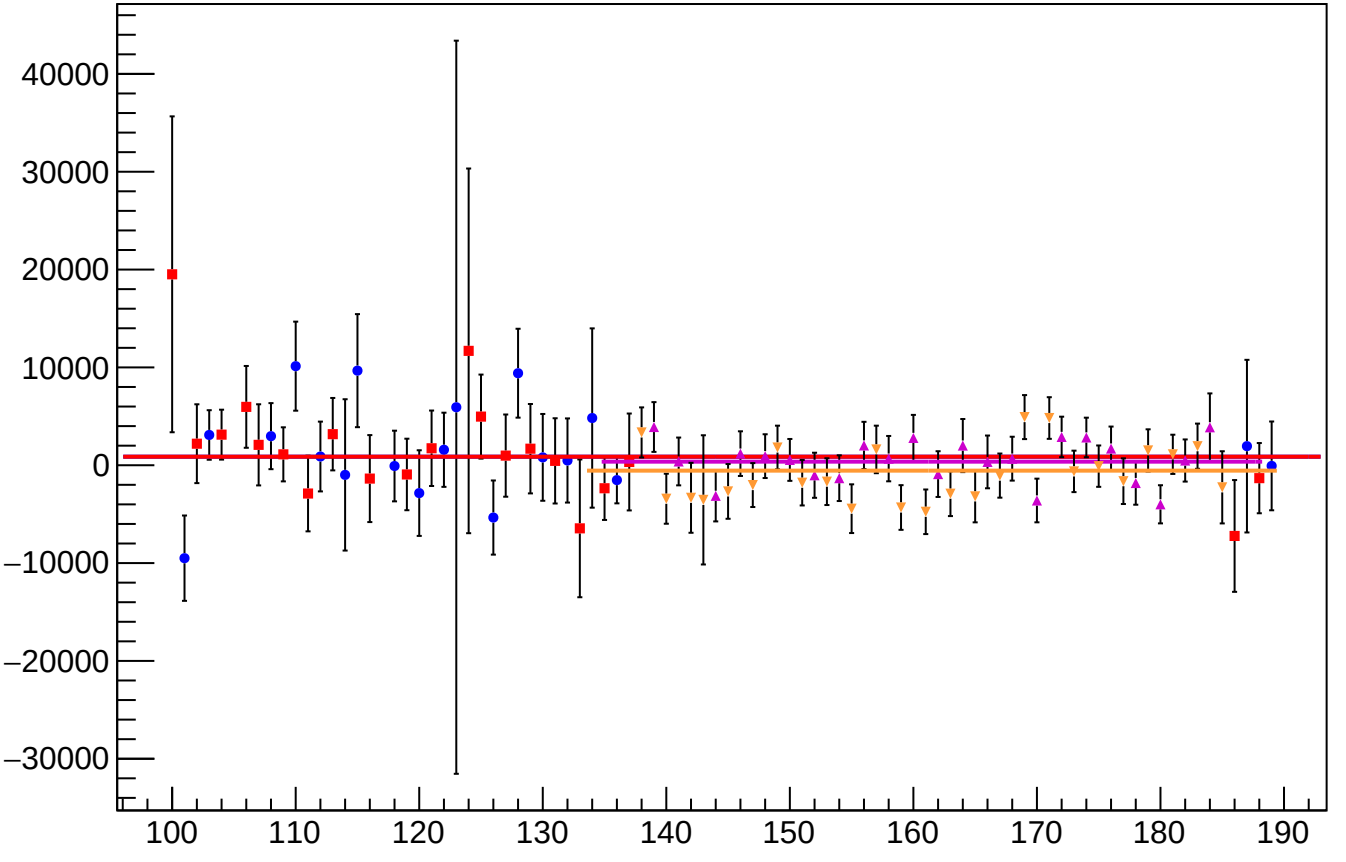
Right: 4573.336+/-2.377 $\chi^2$/NDF: 3805.8/3

In: 3677.020+/-0.611 $\chi^2$/NDF:234133.1/24

Out: 3731.154+/-0.602 $\chi^2$/NDF:742704.6/26

All: 3704.479+/-0.429 $\chi^2$/NDF: 980817.3/51

# asym_at2_dd_mean vs Slug, Sign Corrected




Right In: 873.843+/-935.697 $\chi^2$/NDF: 21.7/18

Left Out: -551.411+/-481.630 $\chi^2$/NDF:34.0/24

Right Out: 872.978+/-884.943 $\chi^2$/NDF: 11.4/20

Left In: 366.243+/-483.092 $\chi^2$/NDF:20.5/22

Left: -93.975+/-341.080 $\chi^2$/NDF: 56.4/47

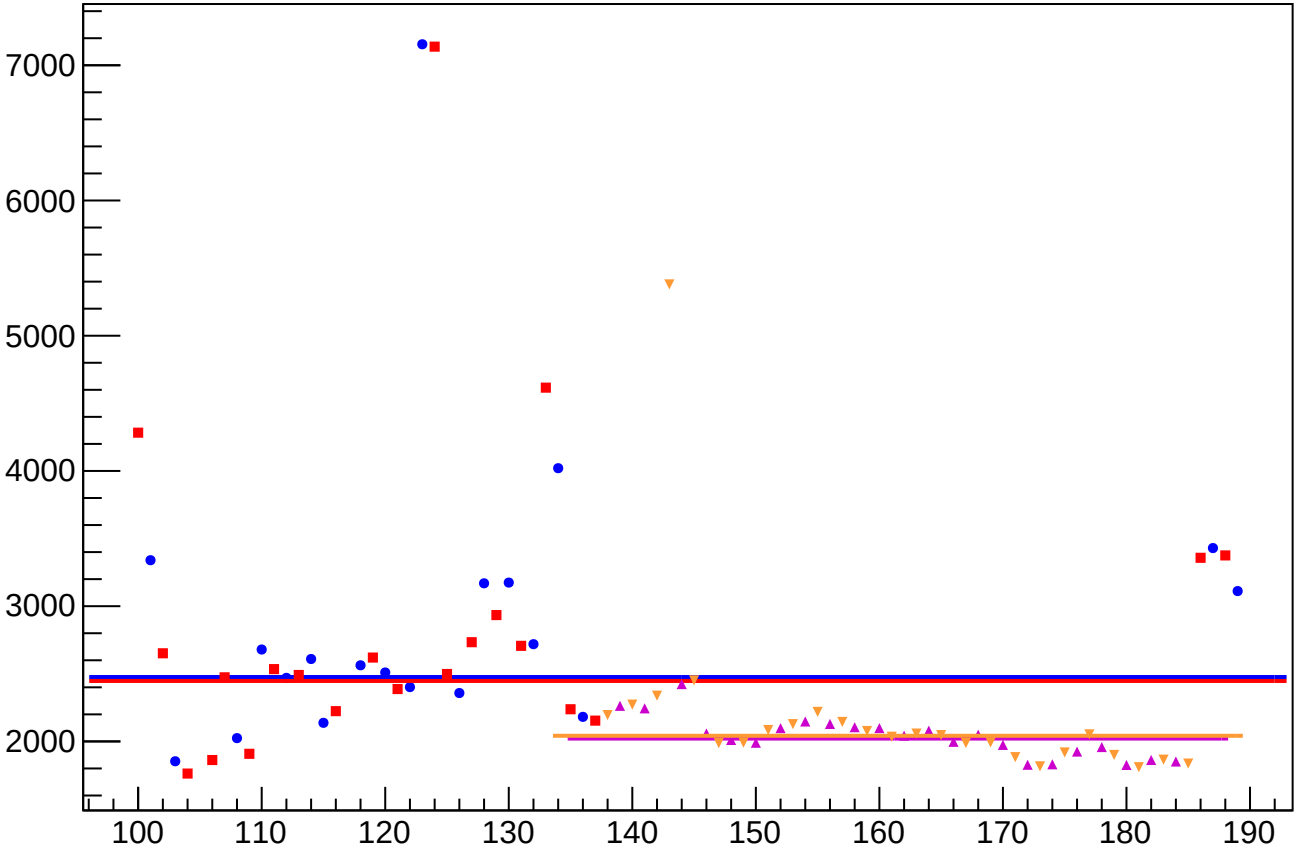
Right: 873.386+/-642.943 $\chi^2$/NDF: 33.1/39

In: 473.071+/-429.257 $\chi^2$/NDF:42.4/41

Out: -225.912+/-423.035 $\chi^2$/NDF:47.5/45

All: 118.477+/-301.307 $\chi^2$/NDF: 91.3/87

# asym_at2_dd_rms vs Slug, Sign Corrected




Right In: 2476.159+/-0.662 $\chi^2$/NDF: 534609.7/18

Left Out: 2041.781+/-0.341 $\chi^2$/NDF:706854.2/24

Right Out: 2447.102+/-0.626 $\chi^2$/NDF: 857576.6/20

Left In: 2021.065+/-0.342 $\chi^2$/NDF:178726.2/22

Left: 2031.455+/-0.241 $\chi^2$/NDF: 887424.8/47

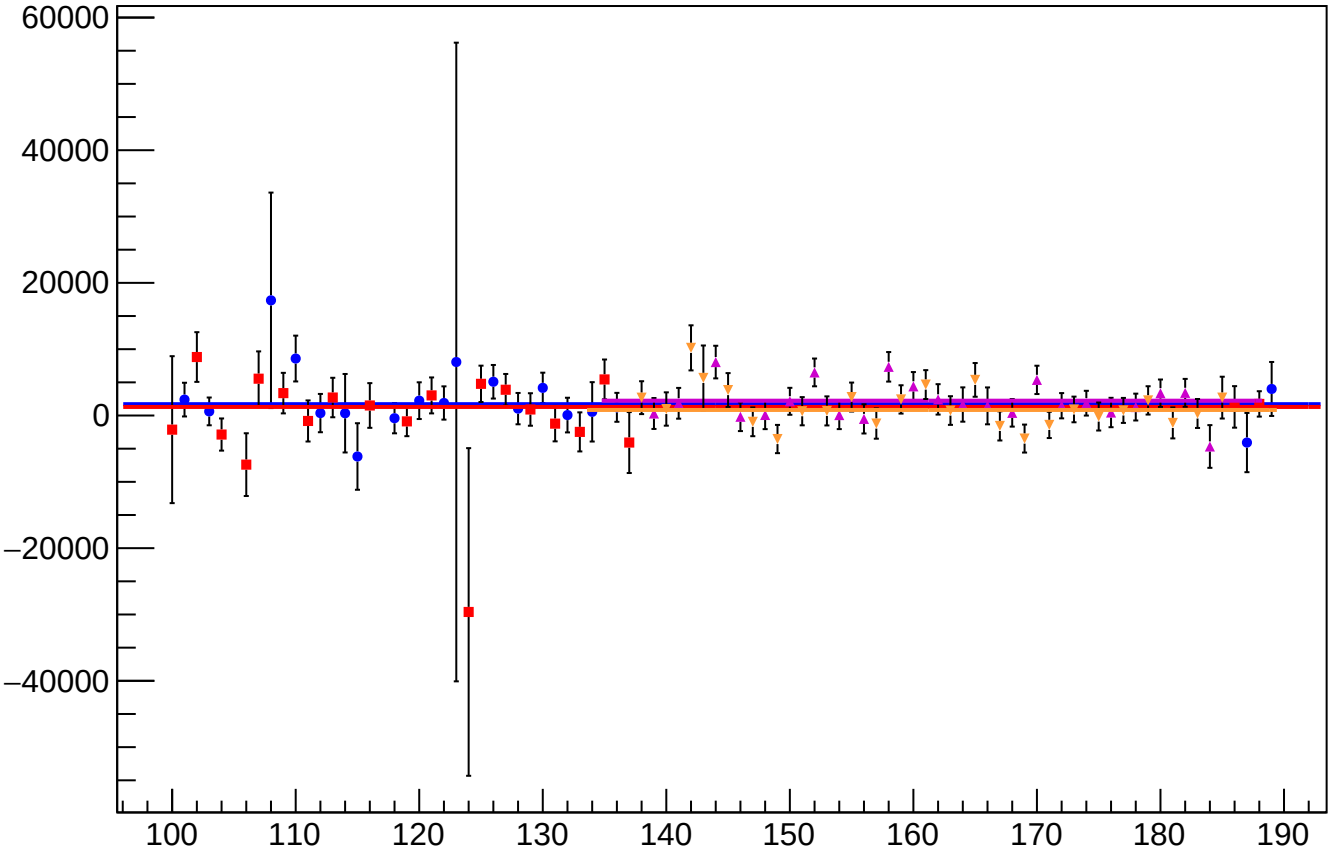
Right: 2460.821+/-0.455 $\chi^2$/NDF: 1393204.5/39

In: 2116.844+/-0.304 $\chi^2$/NDF:1086877.6/41

Out: 2134.405+/-0.299 $\chi^2$/NDF:1888118.1/45

All: 2125.753+/-0.213 $\chi^2$/NDF: 2976693.9/87

# dit_asym_atl_avg_mean vs Slug, Sign Corrected




Right In: 1710.320+/-676.607 $\chi^2$/NDF: 14.4/18

Left Out: 837.426+/-454.502 $\chi^2$/NDF:32.3/24

Right Out: 1292.077+/-649.691 $\chi^2$/NDF: 24.3/20

Left In: 2235.652+/-457.720 $\chi^2$/NDF:31.0/22

Left: 1531.607+/-322.513 $\chi^2$/NDF: 68.0/47

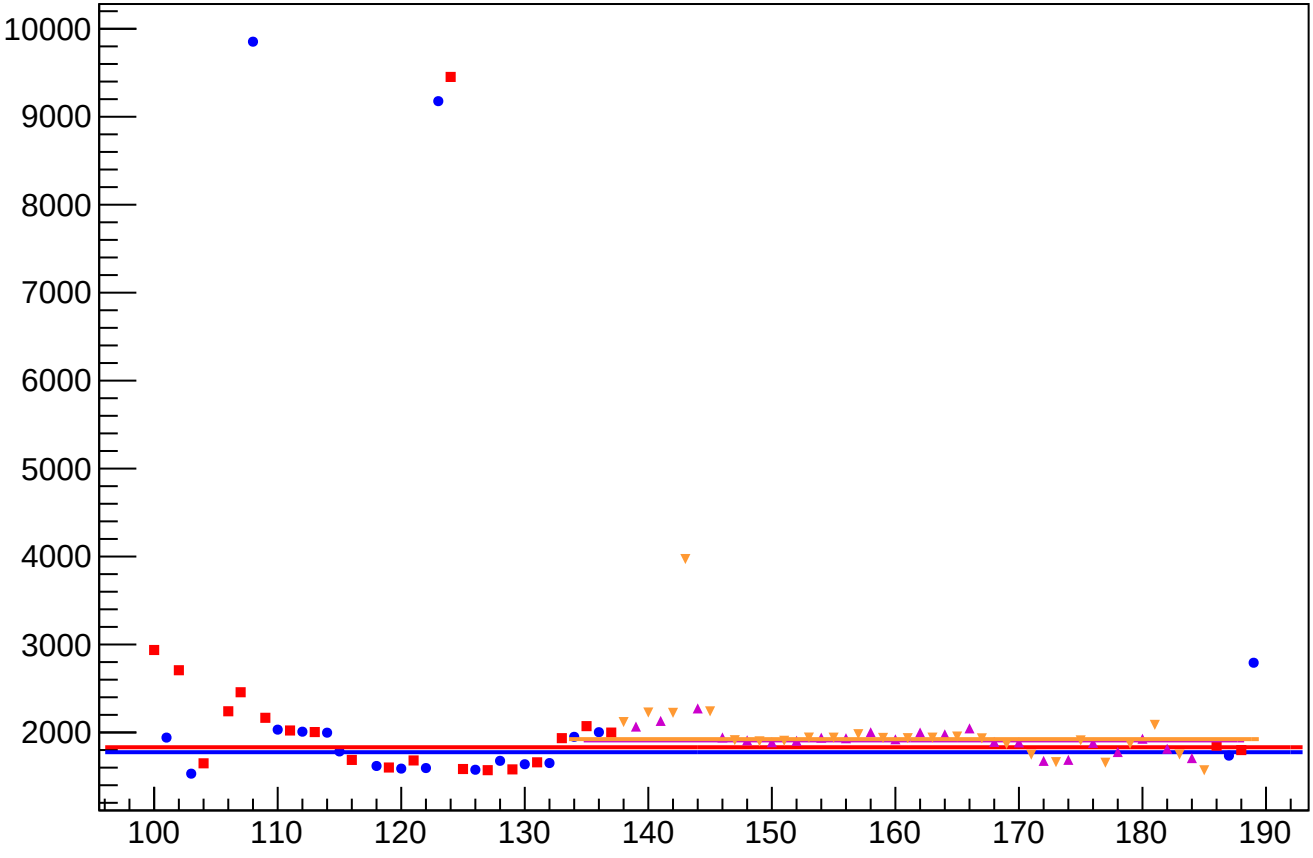
Right: 1492.714+/-468.627 $\chi^2$/NDF: 38.9/39

In: 2070.719+/-379.118 $\chi^2$/NDF:45.8/41

Out: 986.818+/-372.418 $\chi^2$/NDF:57.0/45

All: 1519.107+/-265.677 $\chi^2$/NDF: 106.9/87

# dit_asym_atl_avg_rms vs Slug, Sign Corrected




Right In: 1775.506+/-0.478 $\chi^2$/NDF: 810974.1/18

Left Out: 1924.077+/-0.321 $\chi^2$/NDF:583939.2/24

Right Out: 1831.906+/-0.459 $\chi^2$/NDF: 551081.2/20

Left In: 1909.656+/-0.324 $\chi^2$/NDF:164475.5/22

Left: 1916.918+/-0.228 $\chi^2$/NDF: 749414.3/47

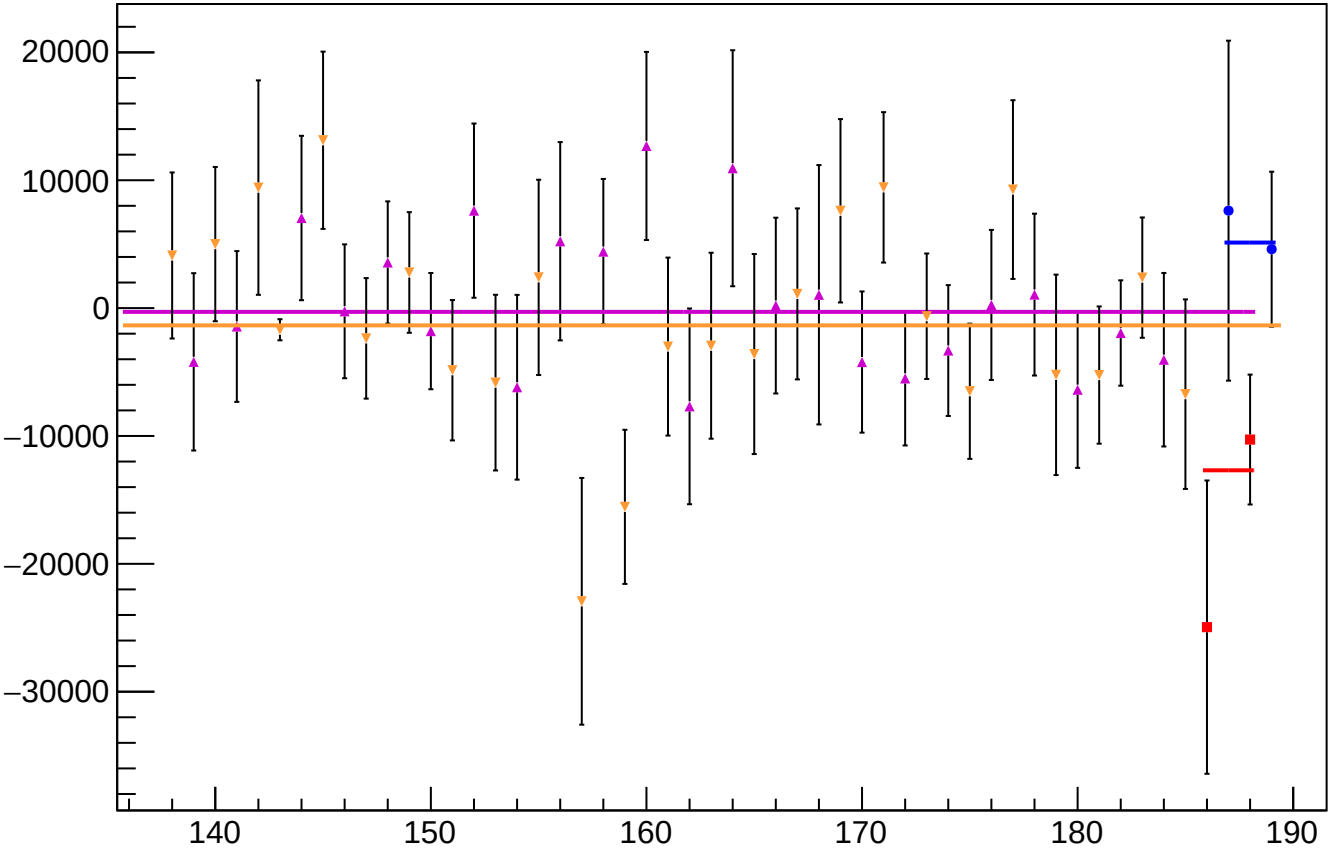
Right: 1804.878+/-0.331 $\chi^2$/NDF: 1369292.7/39

In: 1867.538+/-0.268 $\chi^2$/NDF:1029387.3/41

Out: 1893.750+/-0.263 $\chi^2$/NDF:1162084.0/45

All: 1880.882+/-0.188 $\chi^2$/NDF: 2196338.2/87

# asym_atl_avg_correction_mean vs Slug, Sign Corrected




Right In: 5125.505+/-5514.551 $\chi^2$/NDF: 0.0/1

Left Out: -1349.584+/-690.658 $\chi^2$/NDF:30.9/24

Right Out: -12685.323+/-4643.948 $\chi^2$/NDF: 1.4/1

Left In: -294.047+/-1252.274 $\chi^2$/NDF:14.5/22

Left: -1103.398+/-604.776 $\chi^2$/NDF: 46.0/47

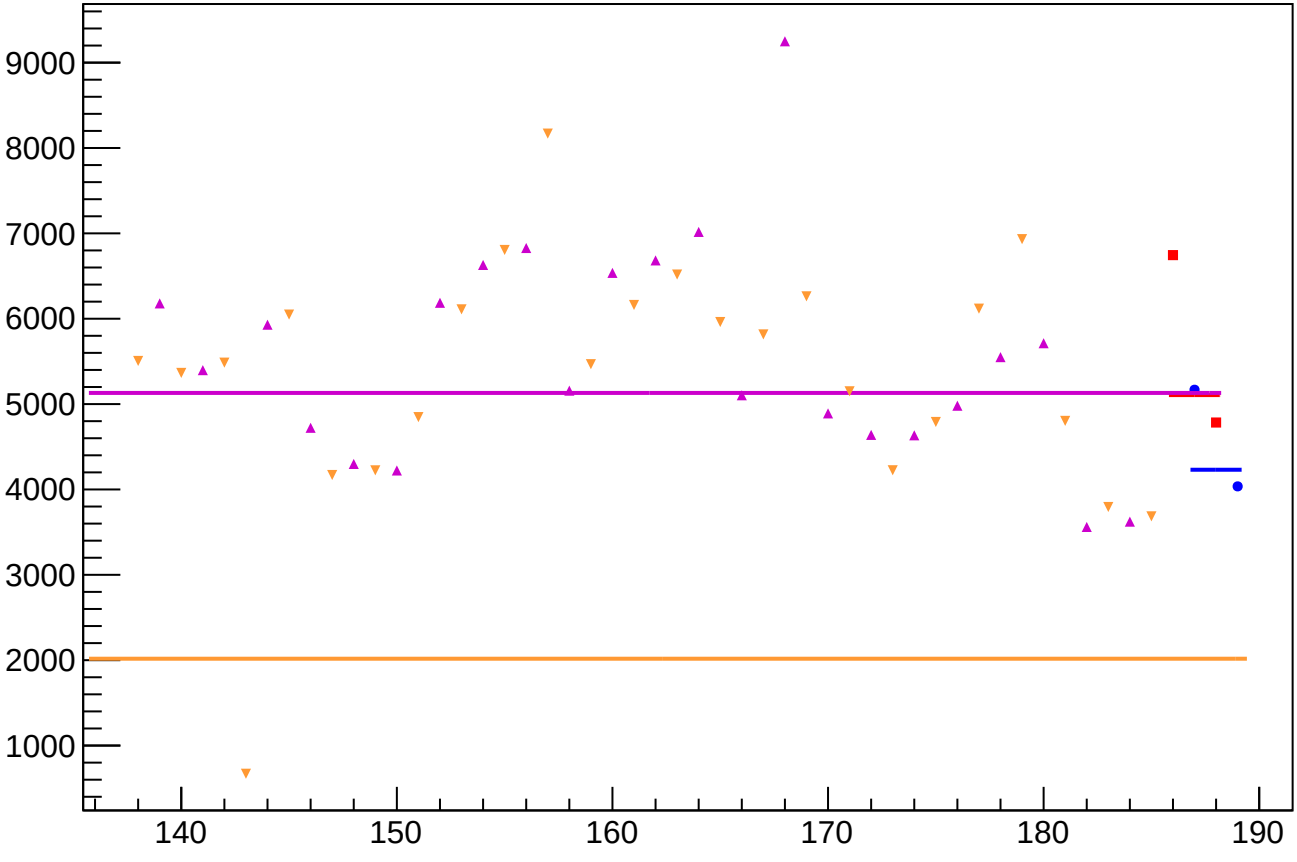
Right: -5295.203+/-3552.171 $\chi^2$/NDF: 7.5/3

In: -28.278+/-1221.183 $\chi^2$/NDF:15.5/24

Out: -1594.886+/-683.145 $\chi^2$/NDF:38.1/26

All: -1221.482+/-596.197 $\chi^2$/NDF: 54.8/51

# asym_atl_avg_correction_rms vs Slug, Sign Corrected




Right In: 4230.941+/-3.899 $\chi^2$/NDF: 12007.6/1

Left Out: 2017.245+/-0.488 $\chi^2$/NDF:19159743.3/24

Right Out: 5105.543+/-3.284 $\chi^2$/NDF: 48877.6/1

Left In: 5130.756+/-0.885 $\chi^2$/NDF:1489813.1/22

Left: 2743.420+/-0.428 $\chi^2$/NDF: 30129278.1/47

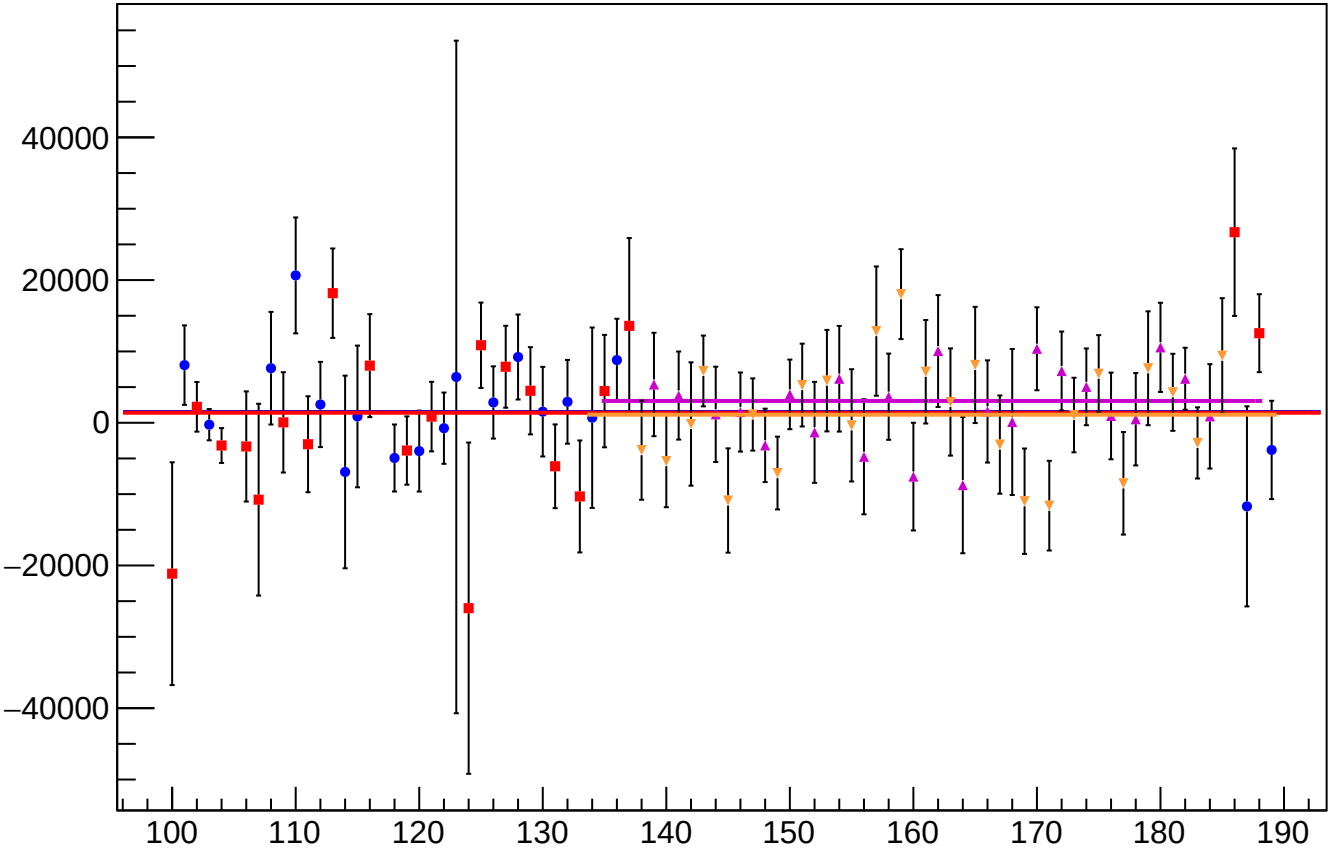
Right: 4742.651+/-2.512 $\chi^2$/NDF: 90318.8/3

In: 5086.630+/-0.864 $\chi^2$/NDF:1552459.0/24

Out: 2084.074+/-0.483 $\chi^2$/NDF:20073972.8/26

All: 2799.739+/-0.422 $\chi^2$/NDF: 30835281.5/5

# asym_atl_avg_mean vs Slug, Sign Corrected




Right In: 1510.662+/-1273.424 $\chi^2$/NDF: 16.5/18

Left Out: 1132.501+/-1280.211 $\chi^2$/NDF:32.5/24

Right Out: 1410.156+/-1244.773 $\chi^2$/NDF: 35.8/20

Left In: 3061.439+/-1313.197 $\chi^2$/NDF:12.3/22

Left: 2072.439+/-916.686 $\chi^2$/NDF: 45.9/47

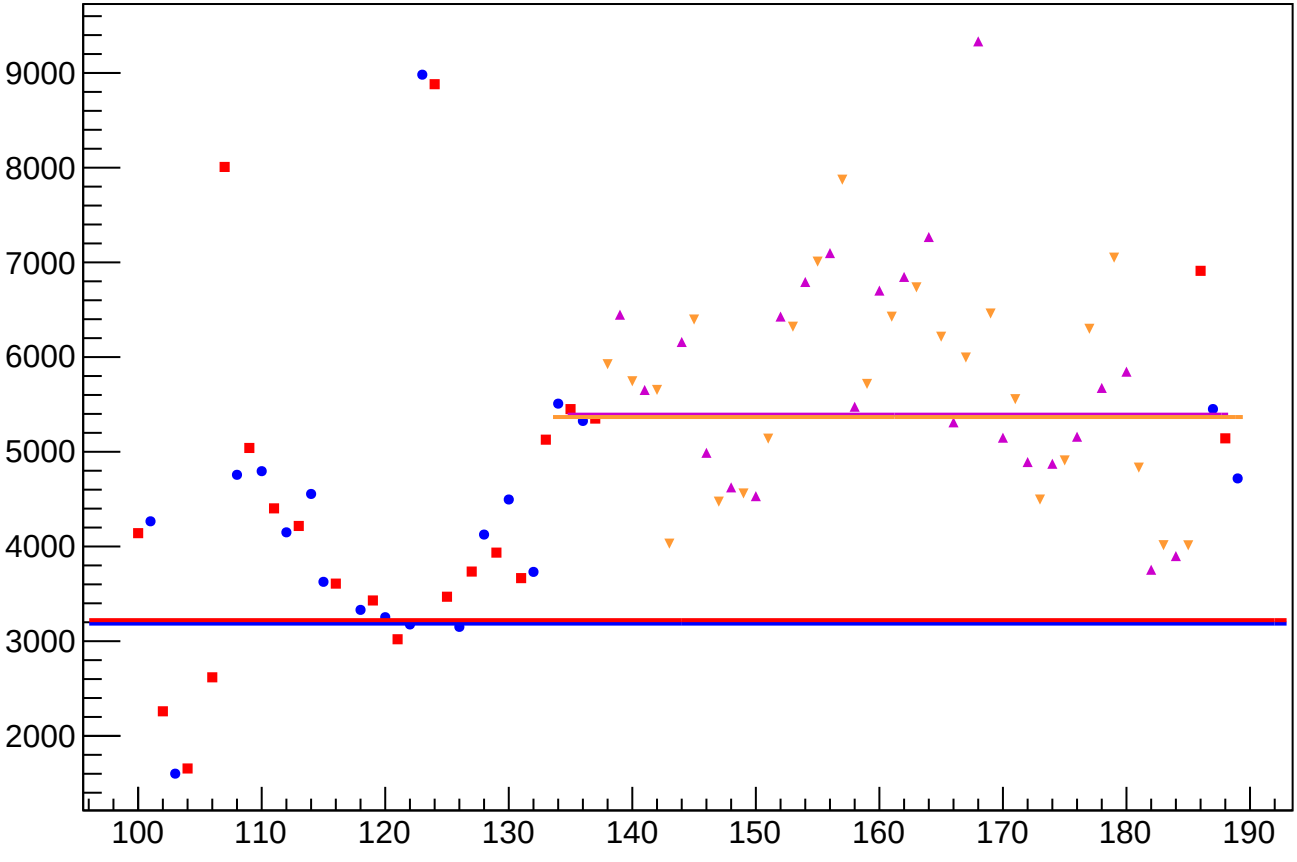
Right: 1459.266+/-890.144 $\chi^2$/NDF: 52.3/39

In: 2262.210+/-914.184 $\chi^2$/NDF:29.6/41

Out: 1275.224+/-892.453 $\chi^2$/NDF:68.3/45

All: 1756.847+/-638.604 $\chi^2$/NDF: 98.5/87

# asym_atl_avg_rms vs Slug, Sign Corrected




Right In: 3185.752+/-0.900 $\chi^2$/NDF: 2036708.8/18

Left Out: 5366.944+/-0.905 $\chi^2$/NDF:1213541.3/24

Right Out: 3222.204+/-0.868 $\chi^2$/NDF: 2480836.0/20

Left In: 5391.987+/-0.929 $\chi^2$/NDF:1320415.5/22

Left: 5379.147+/-0.648 $\chi^2$/NDF: 2534329.7/47

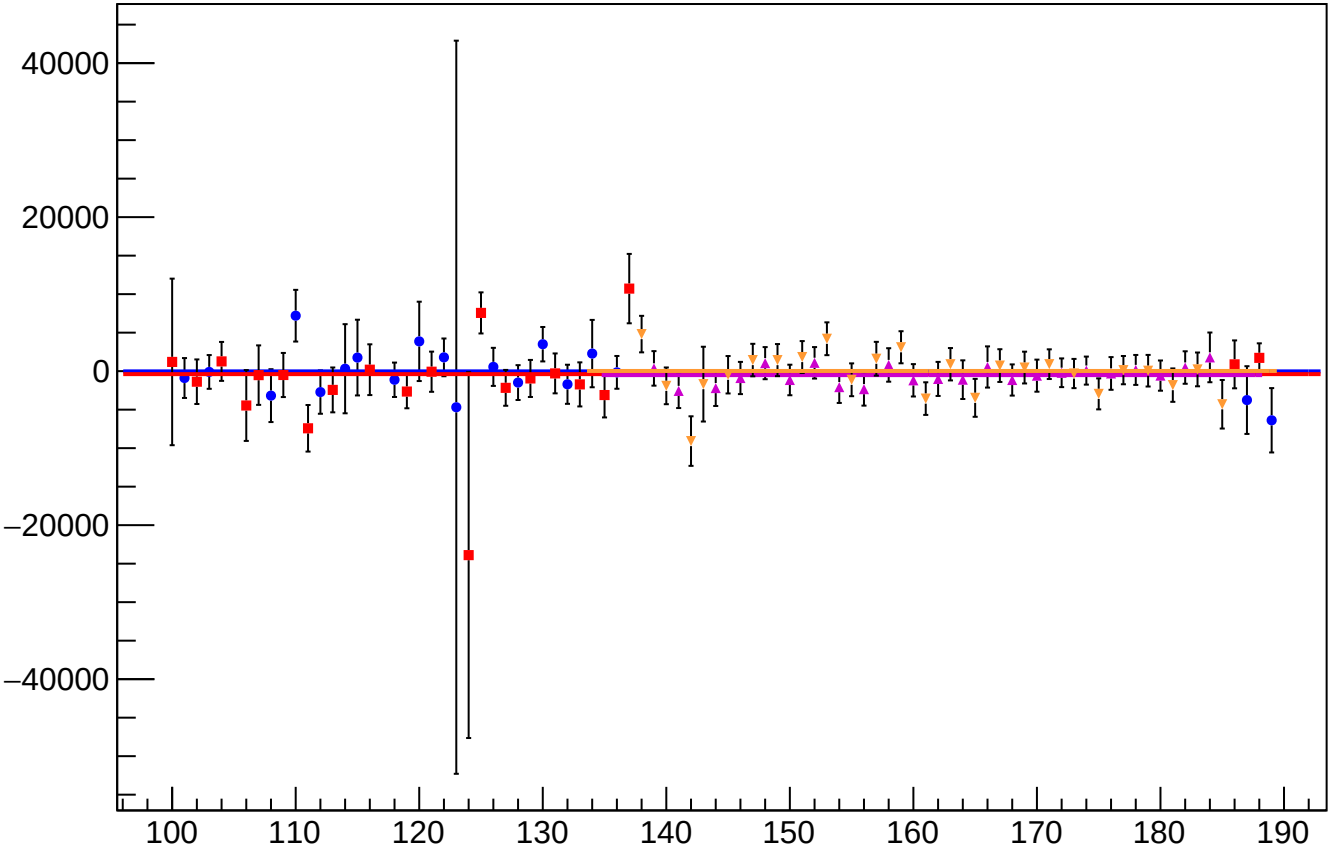
Right: 3204.641+/-0.625 $\chi^2$/NDF: 4518394.0/39

In: 4254.948+/-0.646 $\chi^2$/NDF:6266484.1/41

Out: 4249.836+/-0.627 $\chi^2$/NDF:6618103.8/45

All: 4252.312+/-0.450 $\chi^2$/NDF: 12884620.2/8

# dit_asym_atl_dd_mean vs Slug, Sign Corrected




Right In: -30.063+/-669.790 $\chi^2$/NDF: 14.7/18

Left Out: 23.375+/-440.724 $\chi^2$/NDF:31.7/24

Right Out: -387.156+/-629.893 $\chi^2$/NDF: 27.5/20

Left In: -514.693+/-444.402 $\chi^2$/NDF:5.9/22

Left: -243.423+/-312.931 $\chi^2$/NDF: 38.4/47

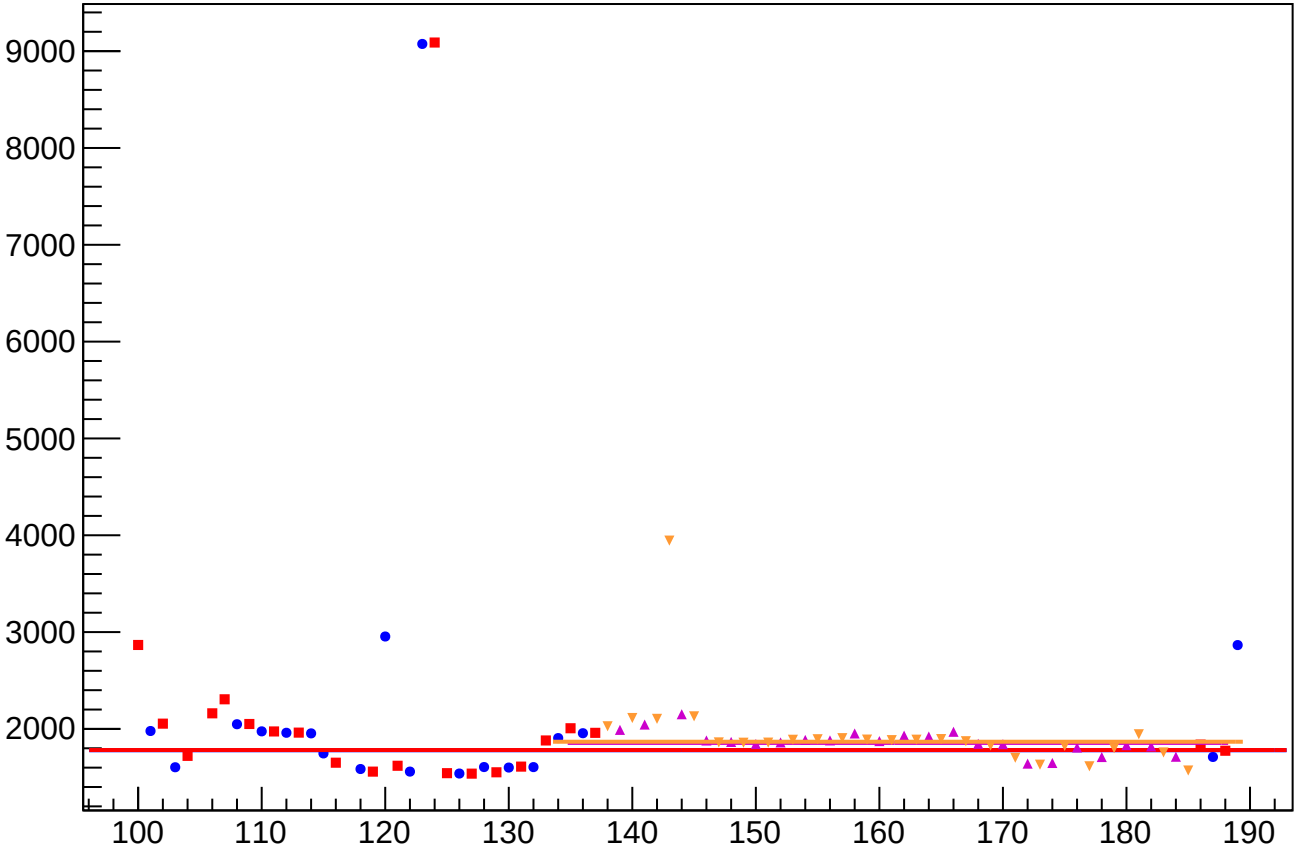
Right: -219.561+/-458.858 $\chi^2$/NDF: 42.3/39

In: -366.559+/-370.306 $\chi^2$/NDF:21.0/41

Out: -111.549+/-361.109 $\chi^2$/NDF:59.4/45

All: -235.848+/-258.533 $\chi^2$/NDF: 80.7/87

# dit_asym_atl_dd_rms vs Slug, Sign Corrected




Right In: 1779.516+/-0.474 $\chi^2$/NDF: 439844.7/18

Left Out: 1867.539+/-0.312 $\chi^2$/NDF:545343.0/24

Right Out: 1781.947+/-0.445 $\chi^2$/NDF: 429020.5/20

Left In: 1855.480+/-0.314 $\chi^2$/NDF:136219.4/22

Left: 1861.559+/-0.221 $\chi^2$/NDF: 682305.0/47

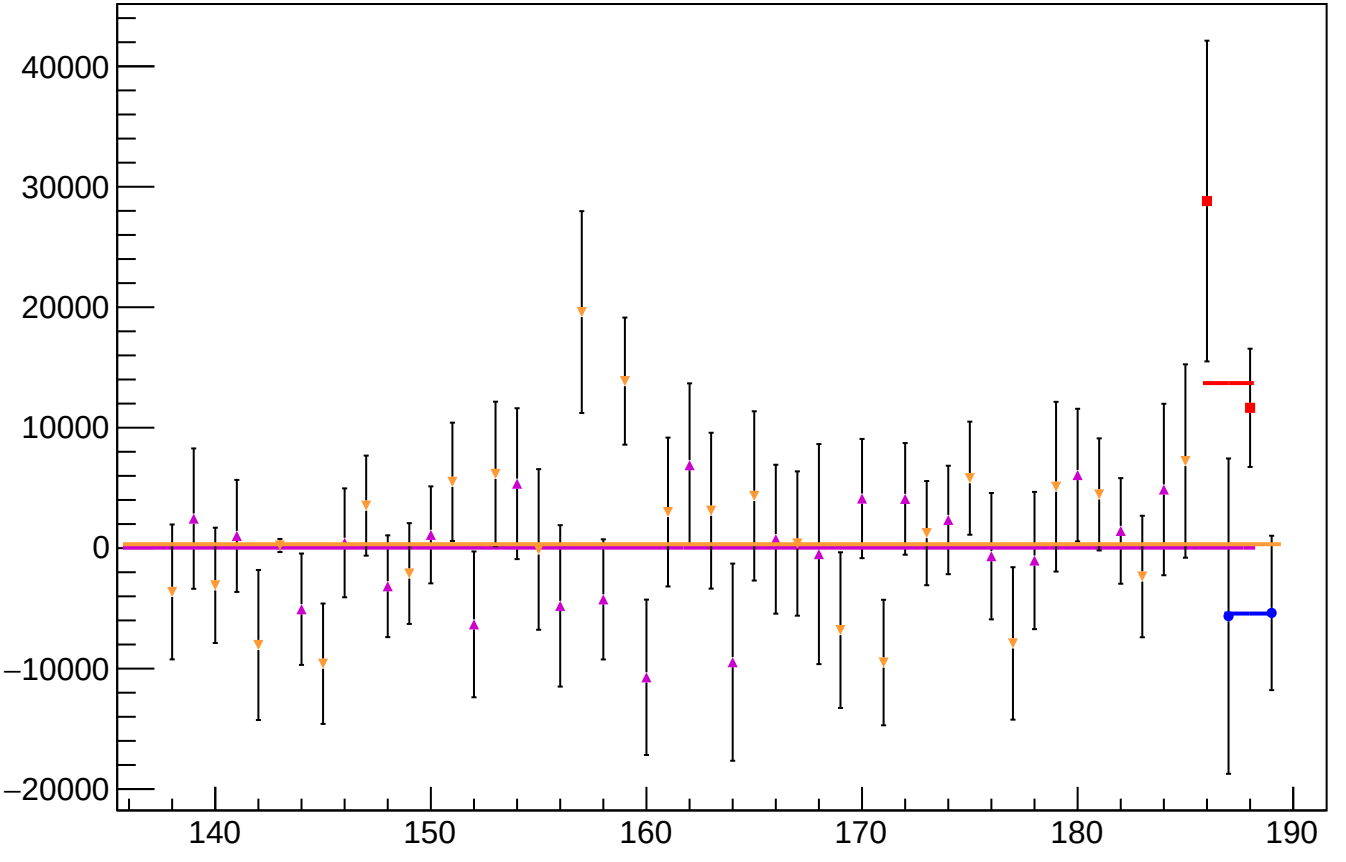
Right: 1780.808+/-0.324 $\chi^2$/NDF: 868879.2/39

In: 1832.260+/-0.262 $\chi^2$/NDF:593926.1/41

Out: 1839.358+/-0.255 $\chi^2$/NDF:999200.0/45

All: 1835.900+/-0.183 $\chi^2$/NDF: 1593502.9/87

# asym_atl_dd_correction_mean vs Slug, Sign Corrected




Right In: -5429.562+/-5754.853 $\chi^2$/NDF: 0.0/1

Left Out: 325.135+/-488.239 $\chi^2$/NDF:32.5/24

Right Out: 13701.975+/-4604.803 $\chi^2$/NDF: 1.5/1

Left In: 40.142+/-1109.747 $\chi^2$/NDF:13.9/22

Left: 278.917+/-446.900 $\chi^2$/NDF: 46.4/47

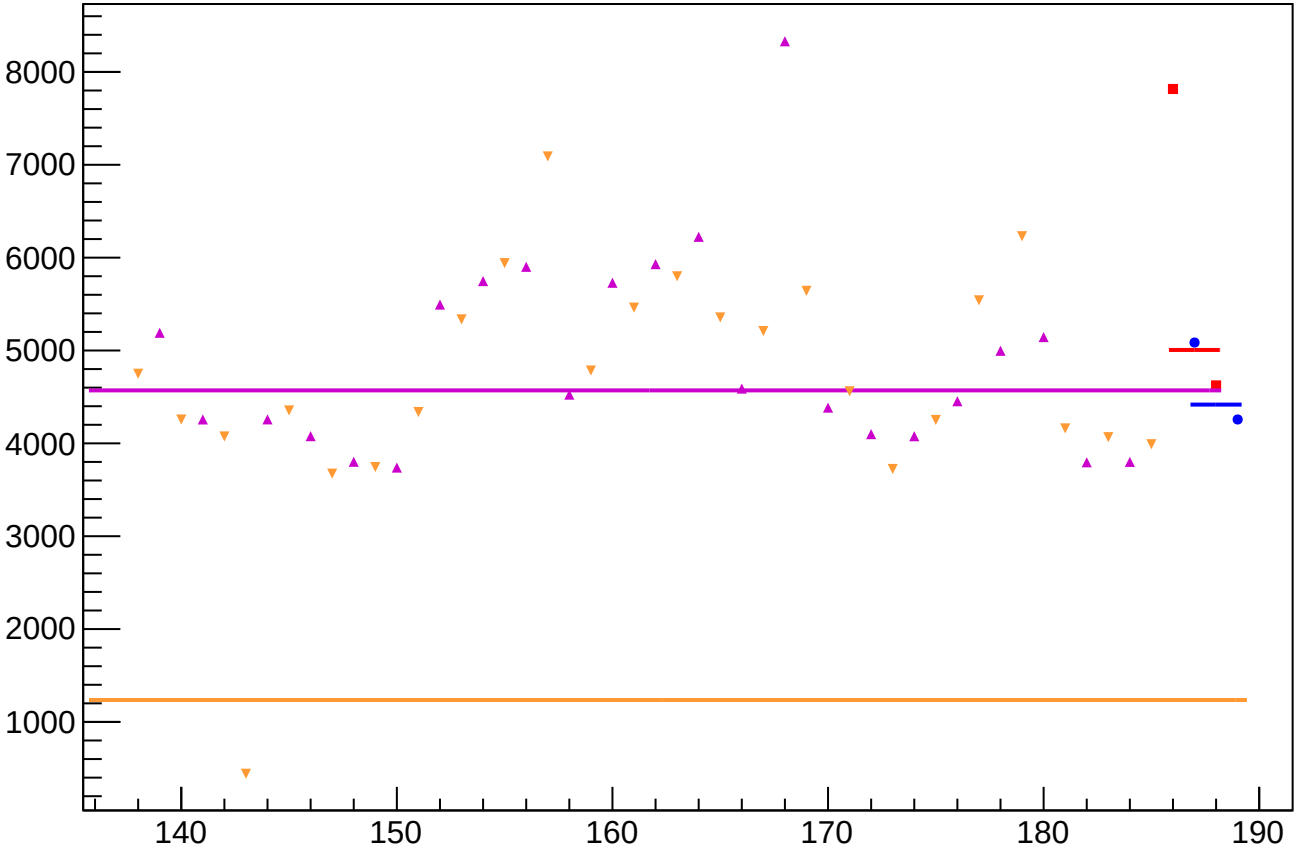
Right: 6234.190+/-3595.466 $\chi^2$/NDF: 8.2/3

In: -155.962+/-1089.672 $\chi^2$/NDF:14.7/24

Out: 473.845+/-485.517 $\chi^2$/NDF:42.3/26

All: 369.522+/-443.487 $\chi^2$/NDF: 57.3/51

# asym_atl_dd_correction_rms vs Slug, Sign Corrected




Right In: 4417.390+/-4.069 $\chi^2$/NDF: 6464.4/1

Left Out: 1236.170+/-0.345 $\chi^2$/NDF:23395886.7/24

Right Out: 5005.910+/-3.256 $\chi^2$/NDF: 101245.6/1

Left In: 4570.398+/-0.785 $\chi^2$/NDF:1145211.6/22

Left: 1776.884+/-0.316 $\chi^2$/NDF: 39667244.3/47

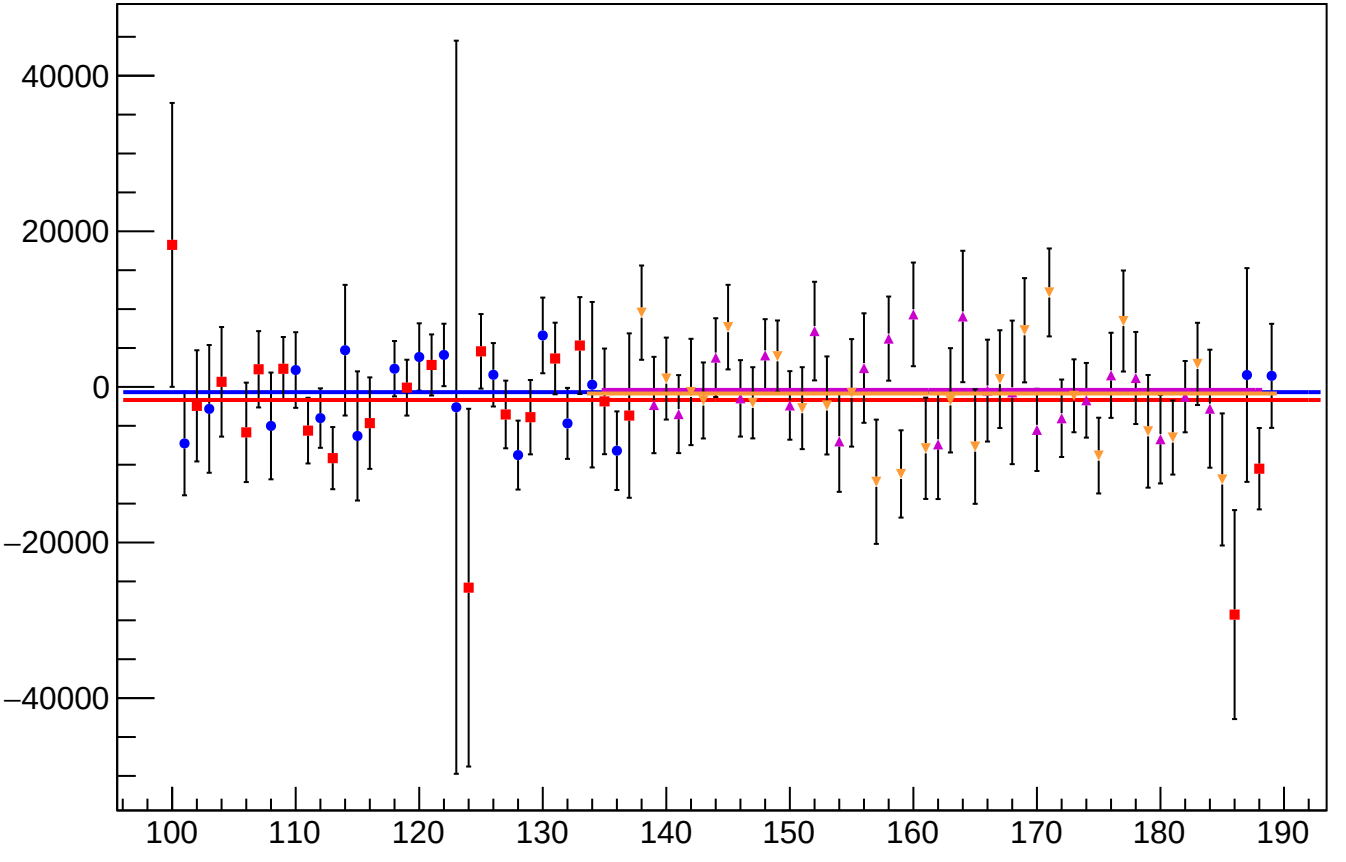
Right: 4776.188+/-2.542 $\chi^2$/NDF: 120461.9/3

In: 4564.912+/-0.771 $\chi^2$/NDF:1153039.1/24

Out: 1278.078+/-0.343 $\chi^2$/NDF:24822620.4/26

All: 1822.516+/-0.314 $\chi^2$/NDF: 41158279.4/5

# asym_atl_dd_mean vs Slug, Sign Corrected




Right In: -673.953+/-1221.685 $\chi^2$/NDF: 15.7/18

Left Out: -845.427+/-1152.677 $\chi^2$/NDF:30.0/24

Right Out: -1680.089+/-1157.052 $\chi^2$/NDF: 22.4/20

Left In: -385.098+/-1181.458 $\chi^2$/NDF:13.9/22

Left: -620.938+/-825.053 $\chi^2$/NDF: 44.0/47

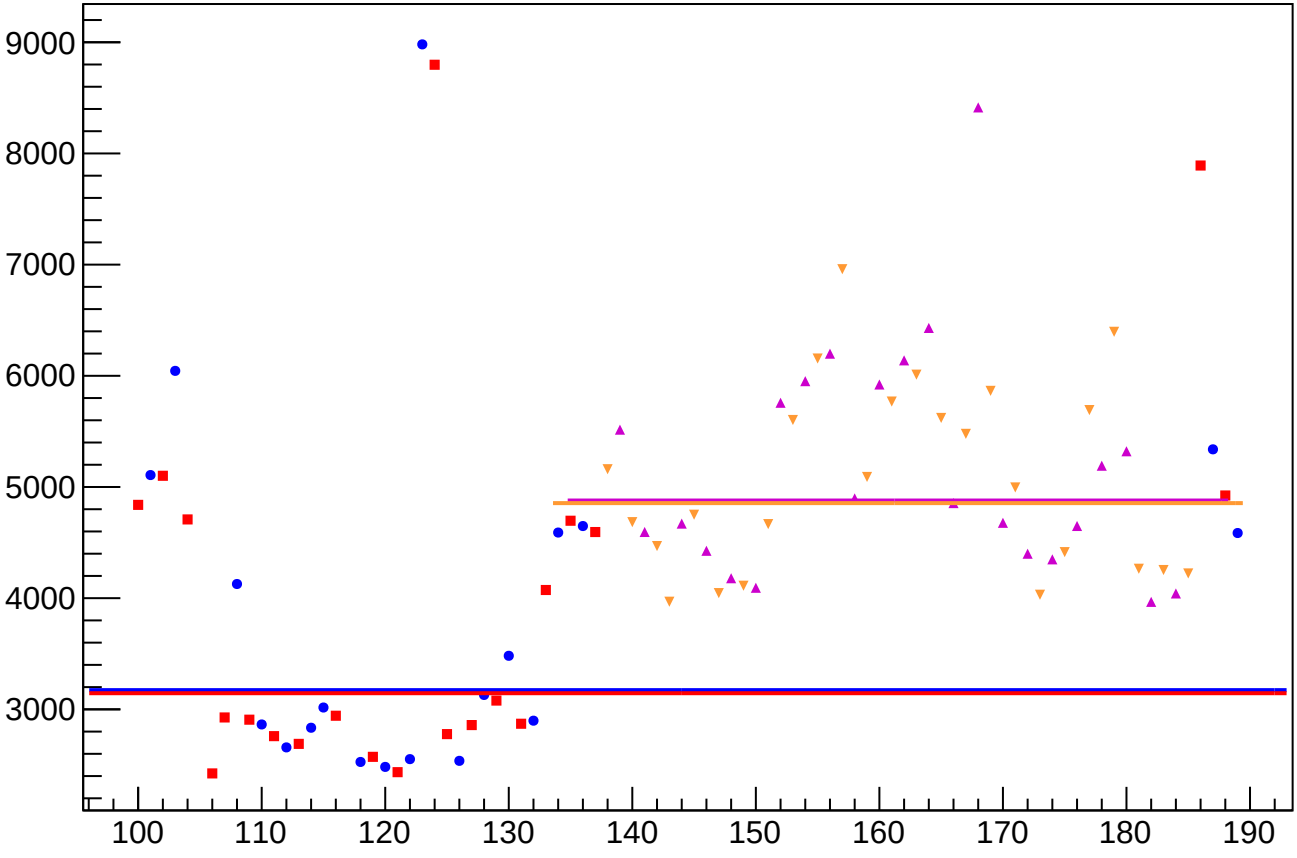
Right: -1204.339+/-840.080 $\chi^2$/NDF: 38.4/39

In: -524.692+/-849.282 $\chi^2$/NDF:29.6/41

Out: -1261.177+/-816.608 $\chi^2$/NDF:52.7/45

All: -907.374+/-588.641 $\chi^2$/NDF: 82.7/87

# asym_atl_dd_rms vs Slug, Sign Corrected




Right In: 3172.891+/-0.864 $\chi^2$/NDF: 1104591.0/18

Left Out: 4854.932+/-0.815 $\chi^2$/NDF:895557.4/24

Right Out: 3145.176+/-0.809 $\chi^2$/NDF: 1298470.5/20

Left In: 4878.261+/-0.835 $\chi^2$/NDF:965222.2/22

Left: 4866.309+/-0.583 $\chi^2$/NDF: 1861179.2/47

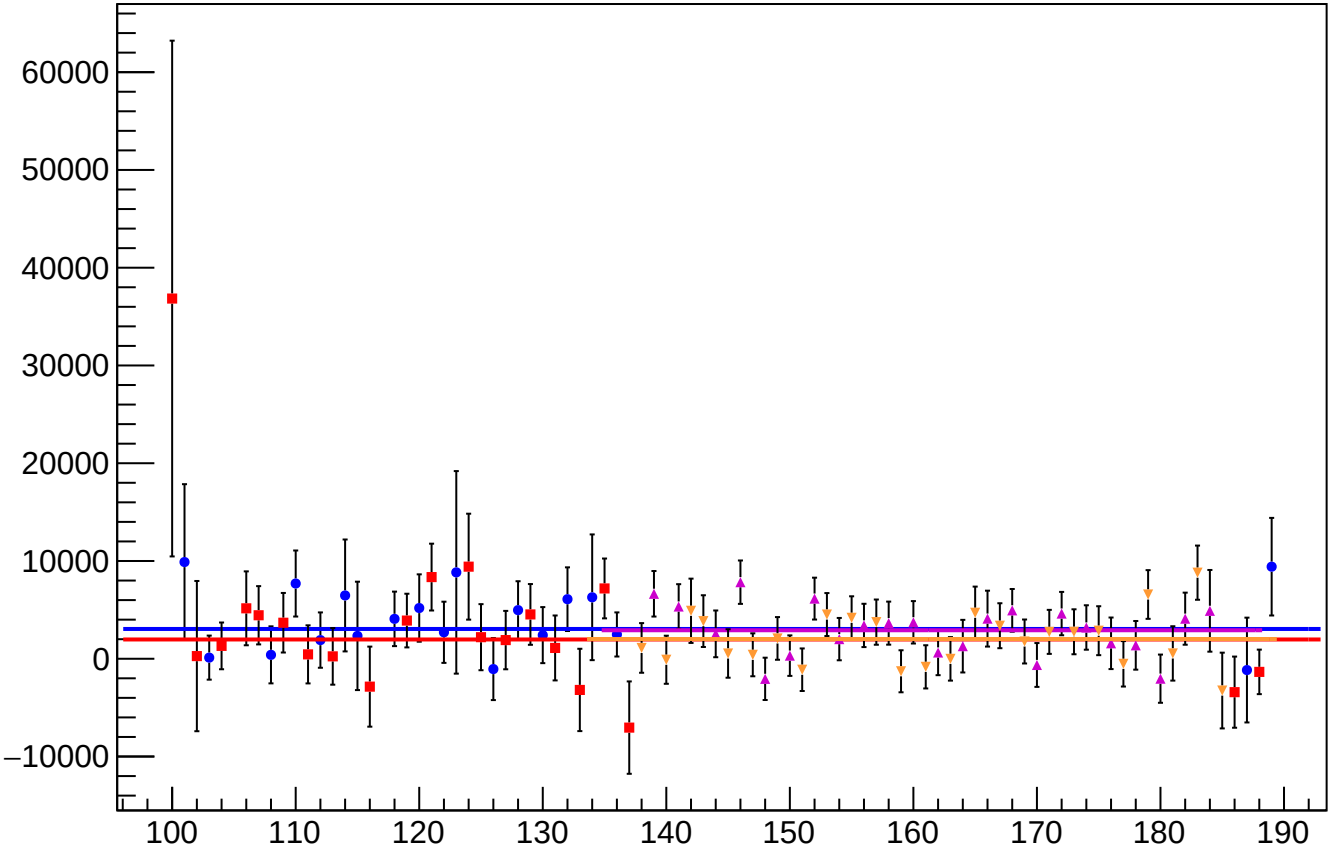
Right: 3158.117+/-0.590 $\chi^2$/NDF: 2403610.2/39

In: 4054.111+/-0.601 $\chi^2$/NDF:4083622.3/41

Out: 3993.176+/-0.574 $\chi^2$/NDF:4411884.3/45

All: 4022.269+/-0.415 $\chi^2$/NDF: 8500886.9/87

# dit_asym_atr_avg_mean vs Slug, Sign Corrected




Right In: 3047.618+/-777.187 $\chi^2$/NDF: 12.1/18

Left Out: 2019.326+/-481.340 $\chi^2$/NDF:27.1/24

Right Out: 1971.967+/-725.754 $\chi^2$/NDF: 24.6/20

Left In: 2916.079+/-489.445 $\chi^2$/NDF:28.8/22

Left: 2460.216+/-343.188 $\chi^2$/NDF: 57.7/47

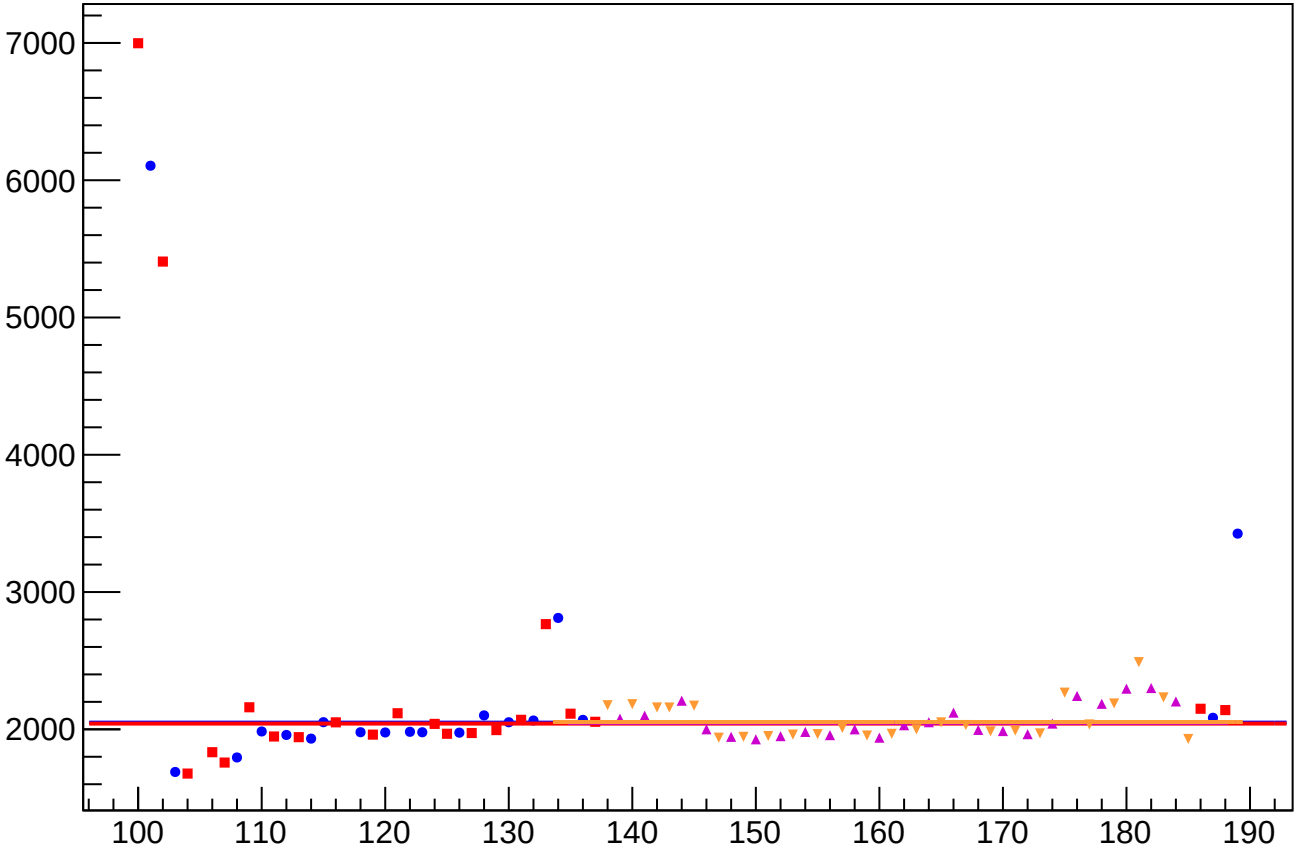
Right: 2473.025+/-530.437 $\chi^2$/NDF: 37.7/39

In: 2953.433+/-414.159 $\chi^2$/NDF:41.0/41

Out: 2004.858+/-401.135 $\chi^2$/NDF:51.7/45

All: 2463.996+/-288.140 $\chi^2$/NDF: 95.4/87

# dit_asym_atr_avg_rms vs Slug, Sign Corrected




Right In: 2048.683+/-0.550 $\chi^2$/NDF: 773996.4/18

Left Out: 2053.296+/-0.340 $\chi^2$/NDF:136888.1/24

Right Out: 2041.701+/-0.513 $\chi^2$/NDF: 603819.2/20

Left In: 2047.277+/-0.346 $\chi^2$/NDF:103001.2/22

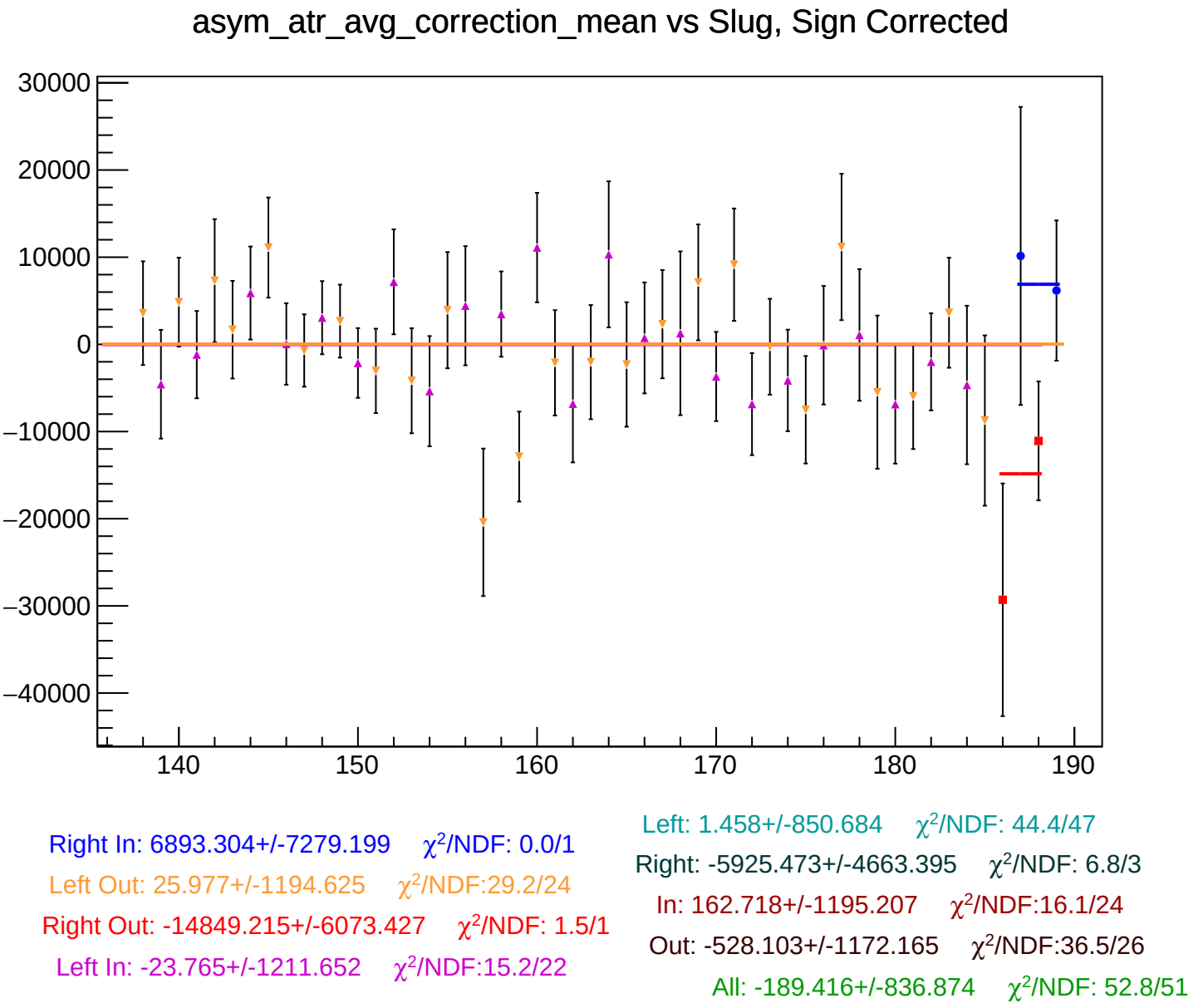
Left: 2050.337+/-0.243 $\chi^2$/NDF: 240043.0/47

Right: 2044.952+/-0.375 $\chi^2$/NDF: 1377901.8/39

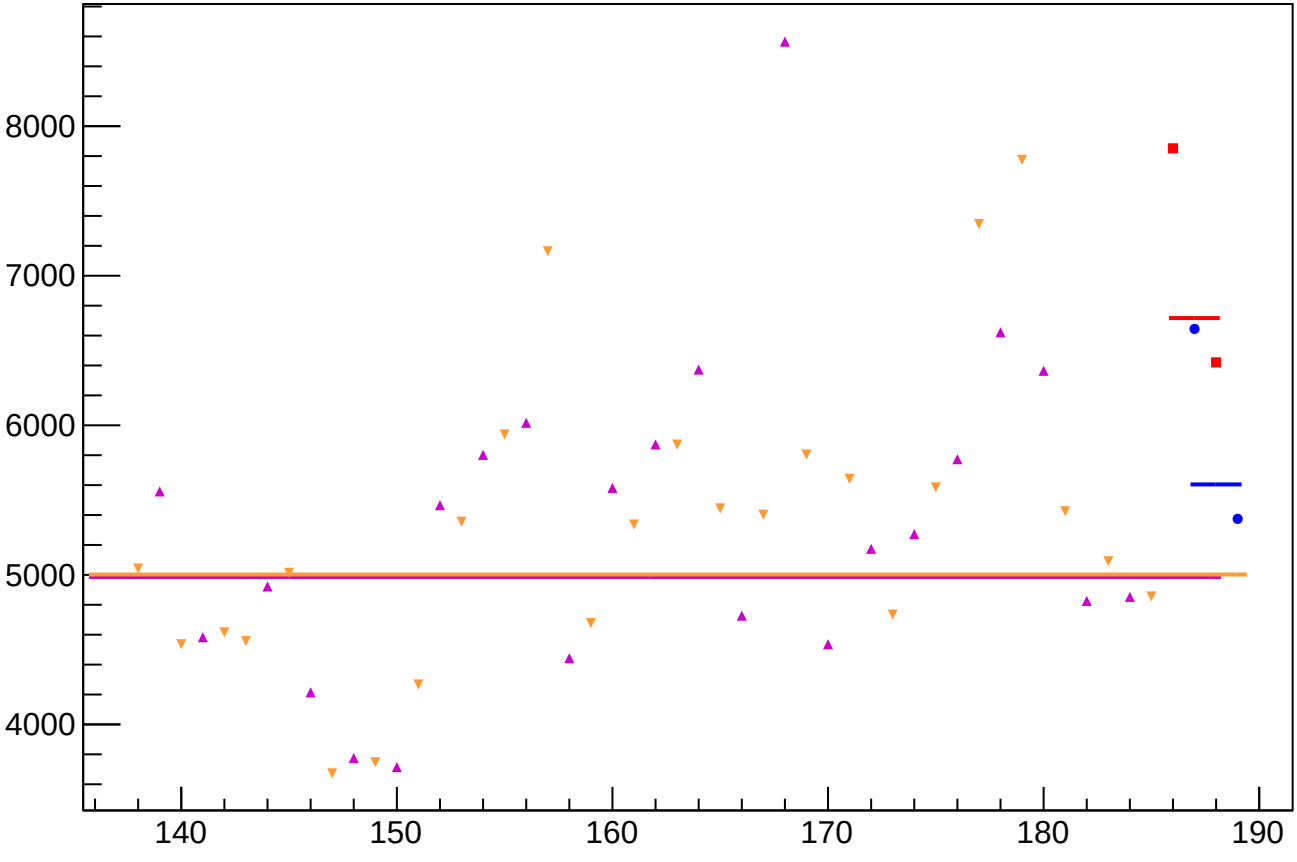
In: 2047.677+/-0.293 $\chi^2$/NDF:877002.2/41

Out: 2049.752+/-0.284 $\chi^2$/NDF:741062.0/45

All: 2048.748+/-0.204 $\chi^2$/NDF: 1618090.1/87


asym_atr_avg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
140
150
160
170
180
190
Right In: 6893.304+/-7279.199 χ²/NDF: 0.0/1
Left Out: 25.977+/-1194.625 χ²/NDF:29.2/24
Right Out: -14849.215+/-6073.427 χ²/NDF: 1.5/1
Left In: -23.765+/-1211.652 χ²/NDF:15.2/22
Left: 1.458+/-850.684 χ²/NDF: 44.4/47
Right: -5925.473+/-4663.395 χ²/NDF: 6.8/3
In: 162.718+/-1195.207 χ²/NDF:16.1/24
Out: -528.103+/-1172.165 χ²/NDF:36.5/26
All: -189.416+/-836.874 χ²/NDF: 52.8/51

# asym_atr_avg_correction_rms vs Slug, Sign Corrected




Right In: 5604.814+/-5.147 $\chi^2$/NDF: 9034.7/1

Left Out: 5002.559+/-0.845 $\chi^2$/NDF:1145597.1/24

Right Out: 6717.073+/-4.295 $\chi^2$/NDF: 18230.8/1

Left In: 4986.169+/-0.857 $\chi^2$/NDF:1197602.7/22

Left: 4994.480+/-0.602 $\chi^2$/NDF: 2343385.4/47

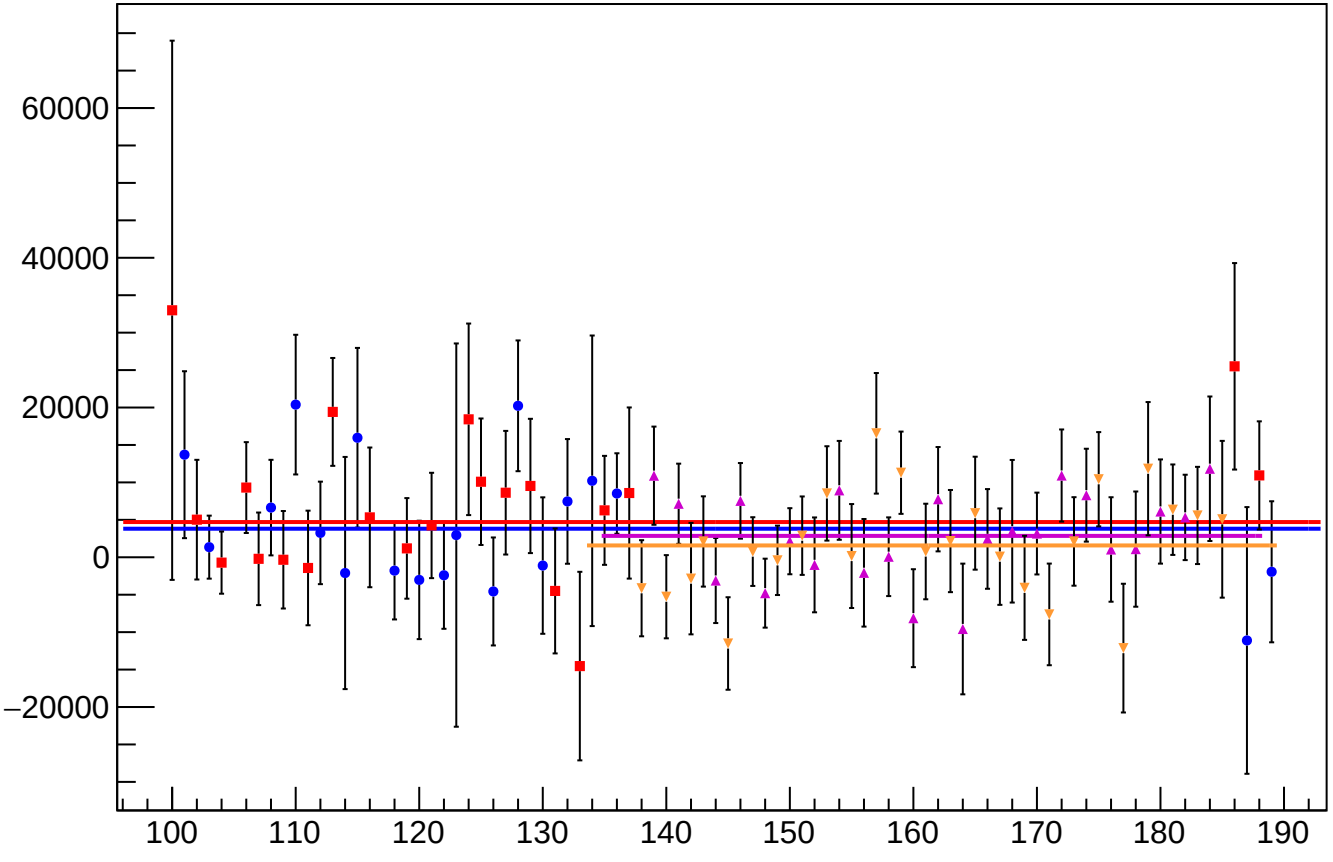
Right: 6260.571+/-3.298 $\chi^2$/NDF: 54795.8/3

In: 5002.848+/-0.845 $\chi^2$/NDF:1220693.9/24

Out: 5066.422+/-0.829 $\chi^2$/NDF:1317275.1/26

All: 5035.254+/-0.592 $\chi^2$/NDF: 2540853.3/51

# asym_atr_avg_mean vs Slug, Sign Corrected




Right In: 3812.652+/-1813.214 $\chi^2$/NDF: 15.2/18

Left Out: 1580.515+/-1266.098 $\chi^2$/NDF:25.2/24

Right Out: 4704.791+/-1665.678 $\chi^2$/NDF: 18.0/20

Left In: 2856.480+/-1284.131 $\chi^2$/NDF:18.1/22

Left: 2209.475+/-901.574 $\chi^2$/NDF: 43.8/47

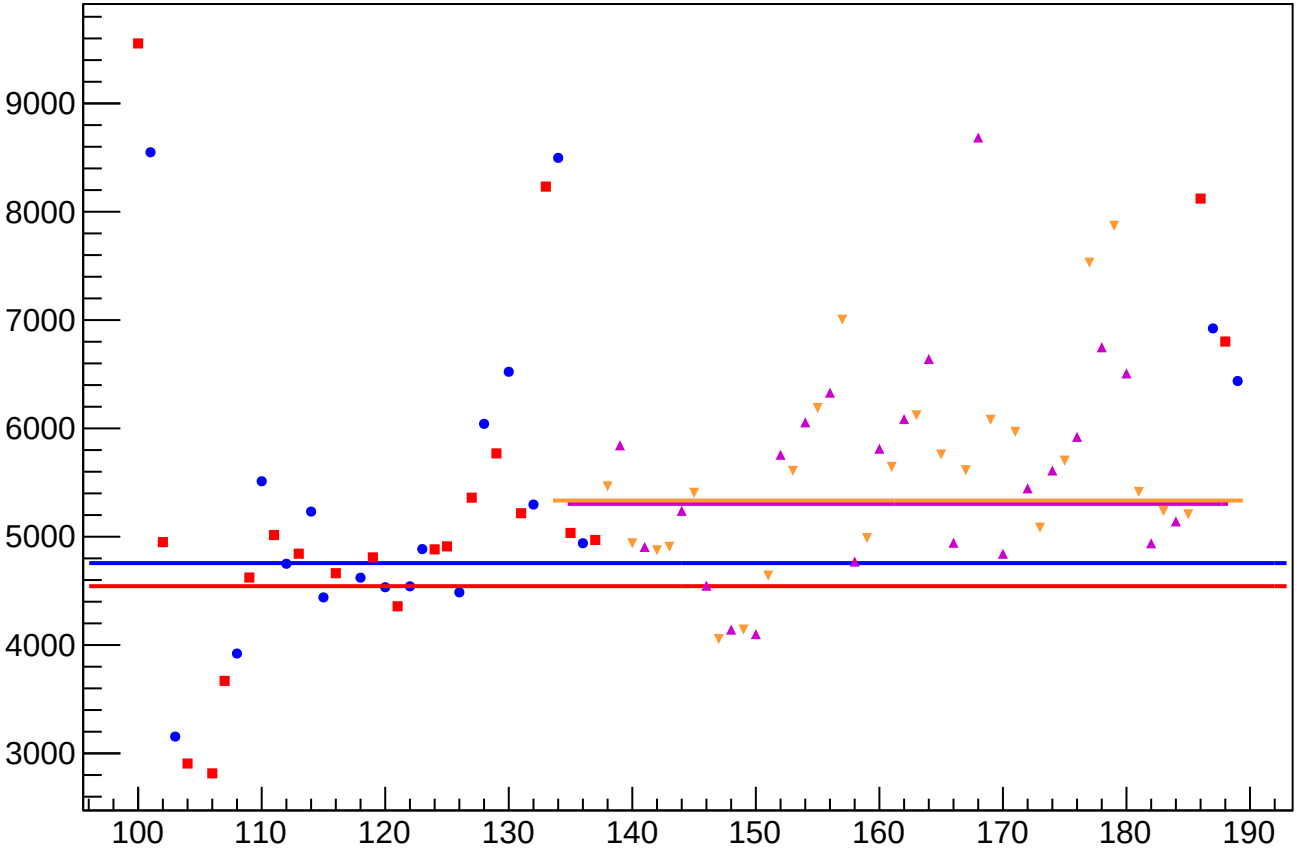
Right: 4296.488+/-1226.660 $\chi^2$/NDF: 33.4/39

In: 3175.865+/-1047.945 $\chi^2$/NDF:33.5/41

Out: 2724.601+/-1007.966 $\chi^2$/NDF:45.4/45

All: 2941.461+/-726.462 $\chi^2$/NDF: 79.0/87

# asym_atr_avg_rms vs Slug, Sign Corrected




Right In: 4756.442+/-1.282 $\chi^2$/NDF: 875741.1/18

Left Out: 5334.221+/-0.895 $\chi^2$/NDF:865414.3/24

Right Out: 4543.372+/-1.171 $\chi^2$/NDF: 1185781.6/20

Left In: 5303.321+/-0.908 $\chi^2$/NDF:960356.0/22

Left: 5318.989+/-0.638 $\chi^2$/NDF: 1826357.5/47

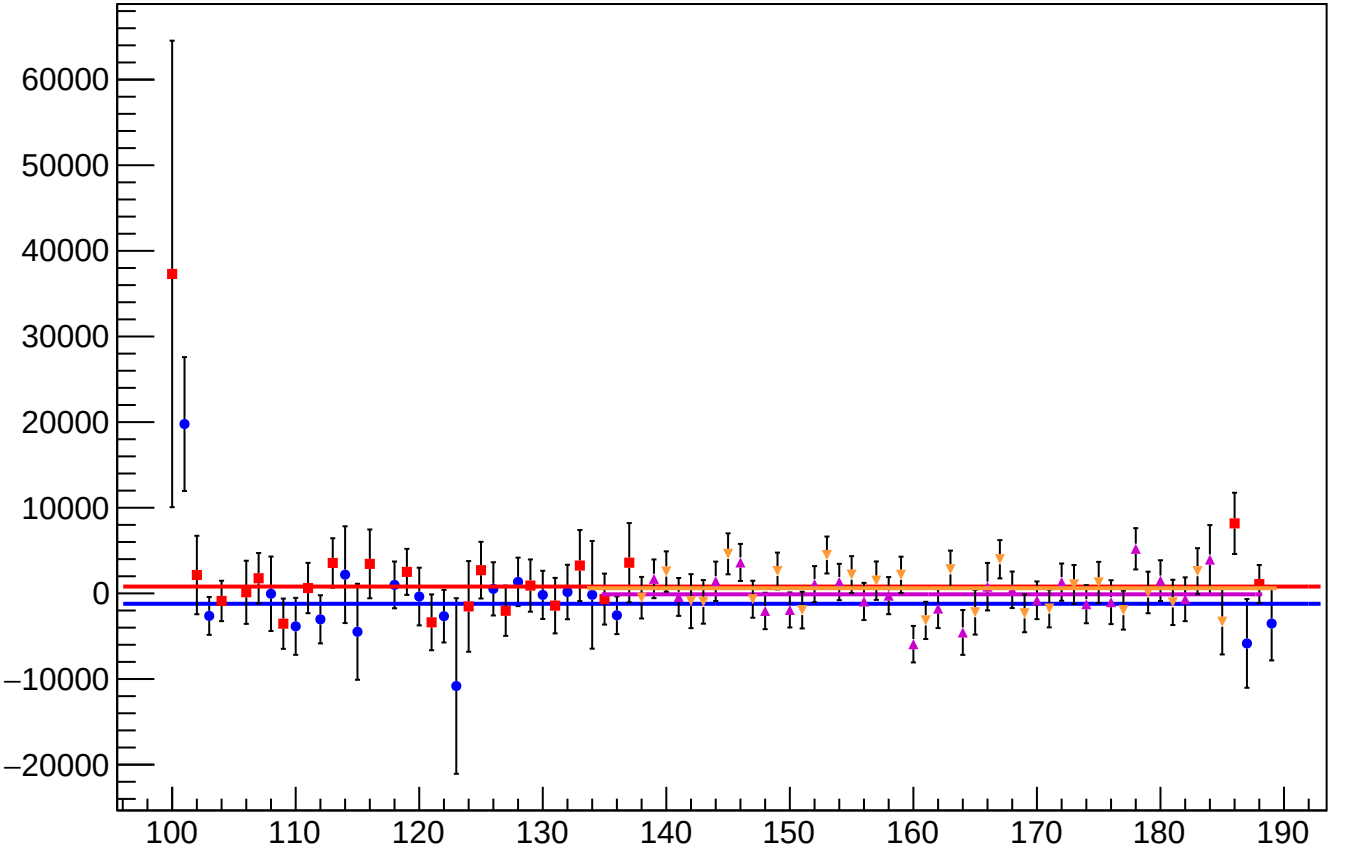
Right: 4640.316+/-0.865 $\chi^2$/NDF: 2076574.2/39

In: 5120.650+/-0.741 $\chi^2$/NDF:1957260.8/41

Out: 5042.633+/-0.711 $\chi^2$/NDF:2338908.7/45

All: 5080.047+/-0.513 $\chi^2$/NDF: 4301938.3/87

# dit_asym_atr_dd_mean vs Slug, Sign Corrected




Right In: -1215.325+/-774.511 $\chi^2$/NDF: 14.2/18

Left Out: 605.796+/-469.397 $\chi^2$/NDF:25.2/24

Right Out: 797.247+/-705.536 $\chi^2$/NDF: 15.3/20

Left In: -108.365+/-477.899 $\chi^2$/NDF:25.0/22

Left: 255.125+/-334.879 $\chi^2$/NDF: 51.4/47

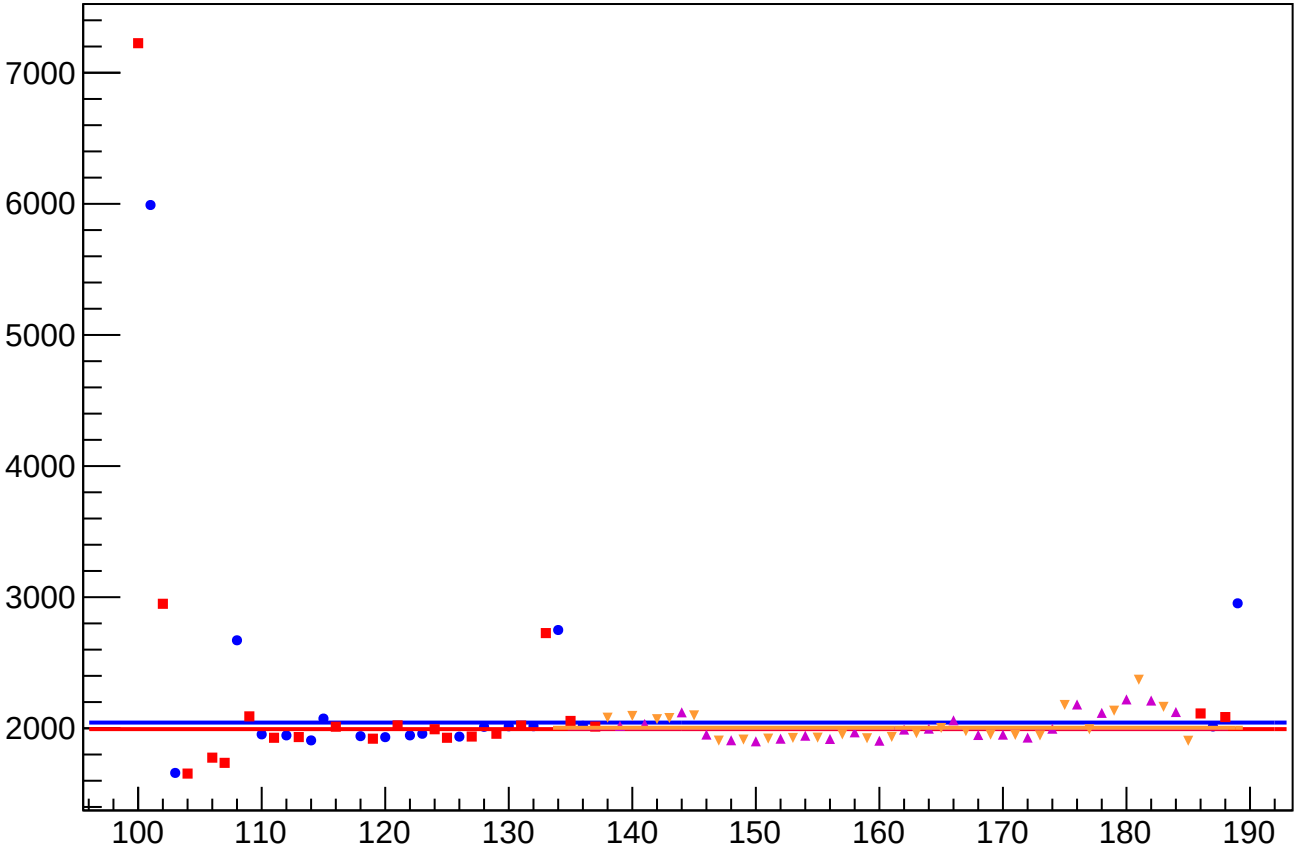
Right: -115.450+/-521.573 $\chi^2$/NDF: 33.2/39

In: -413.604+/-406.707 $\chi^2$/NDF:40.6/41

Out: 664.538+/-390.807 $\chi^2$/NDF:40.6/45

All: 146.952+/-281.796 $\chi^2$/NDF: 84.9/87

# dit_asym_atr_dd_rms vs Slug, Sign Corrected




Right In: 2043.660+/-0.548 $\chi^2$/NDF: 742177.3/18

Left Out: 2003.987+/-0.332 $\chi^2$/NDF:99981.7/24

Right Out: 1993.728+/-0.498 $\chi^2$/NDF: 301471.5/20

Left In: 2000.119+/-0.338 $\chi^2$/NDF:79688.8/22

Left: 2002.088+/-0.237 $\chi^2$/NDF: 179737.2/47

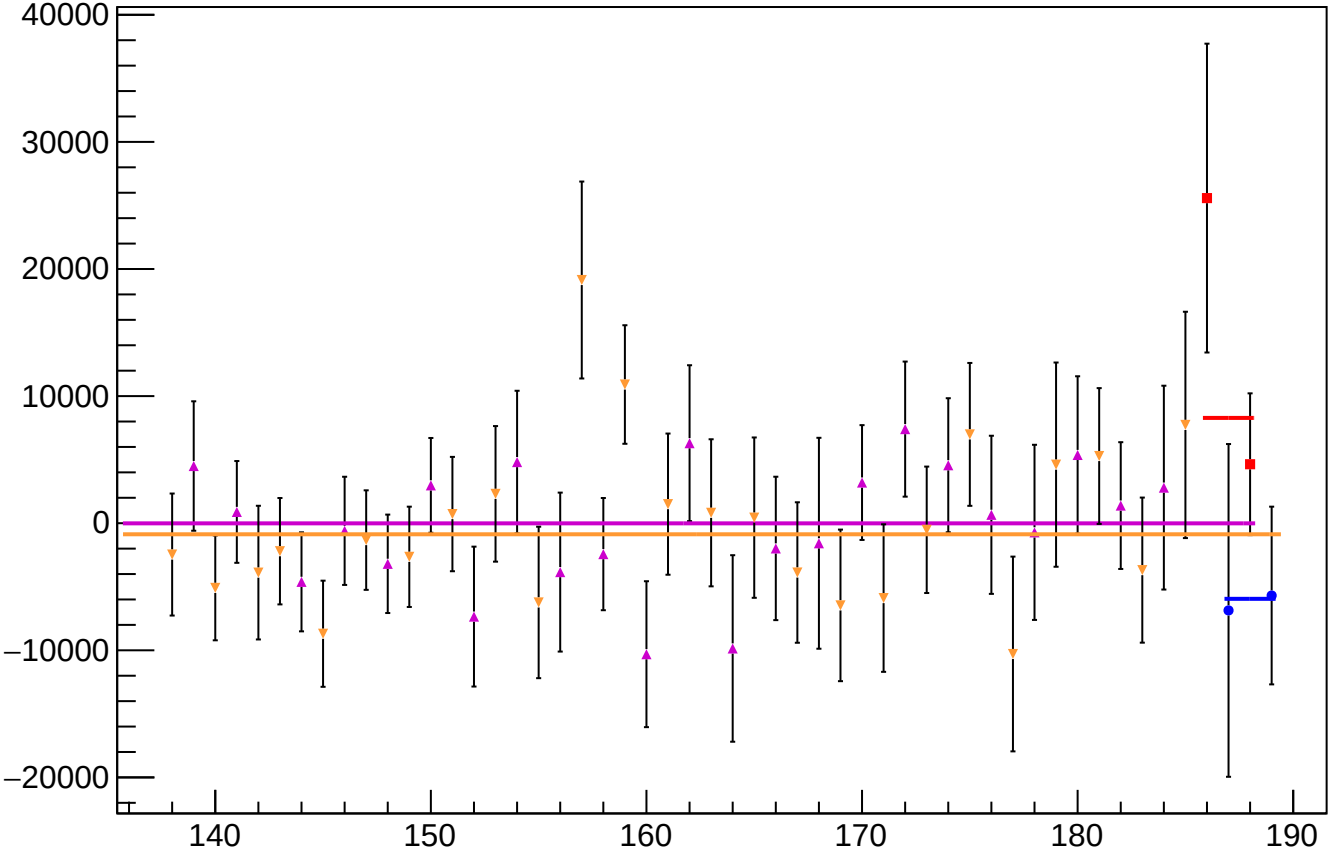
Right: 2016.349+/-0.369 $\chi^2$/NDF: 1048195.5/39

In: 2012.125+/-0.288 $\chi^2$/NDF:826444.0/41

Out: 2000.836+/-0.276 $\chi^2$/NDF:401746.8/45

All: 2006.254+/-0.199 $\chi^2$/NDF: 1228992.3/87

# asym_atr_dd_correction_mean vs Slug, Sign Corrected




Right In: -5950.001+/-6166.865 $\chi^2$/NDF: 0.0/1

Left Out: -871.296+/-1043.390 $\chi^2$/NDF:28.3/24

Right Out: 8284.366+/-5068.583 $\chi^2$/NDF: 2.5/1

Left In: -10.945+/-1070.258 $\chi^2$/NDF:17.2/22

Left: -452.055+/-747.106 $\chi^2$/NDF: 45.8/47

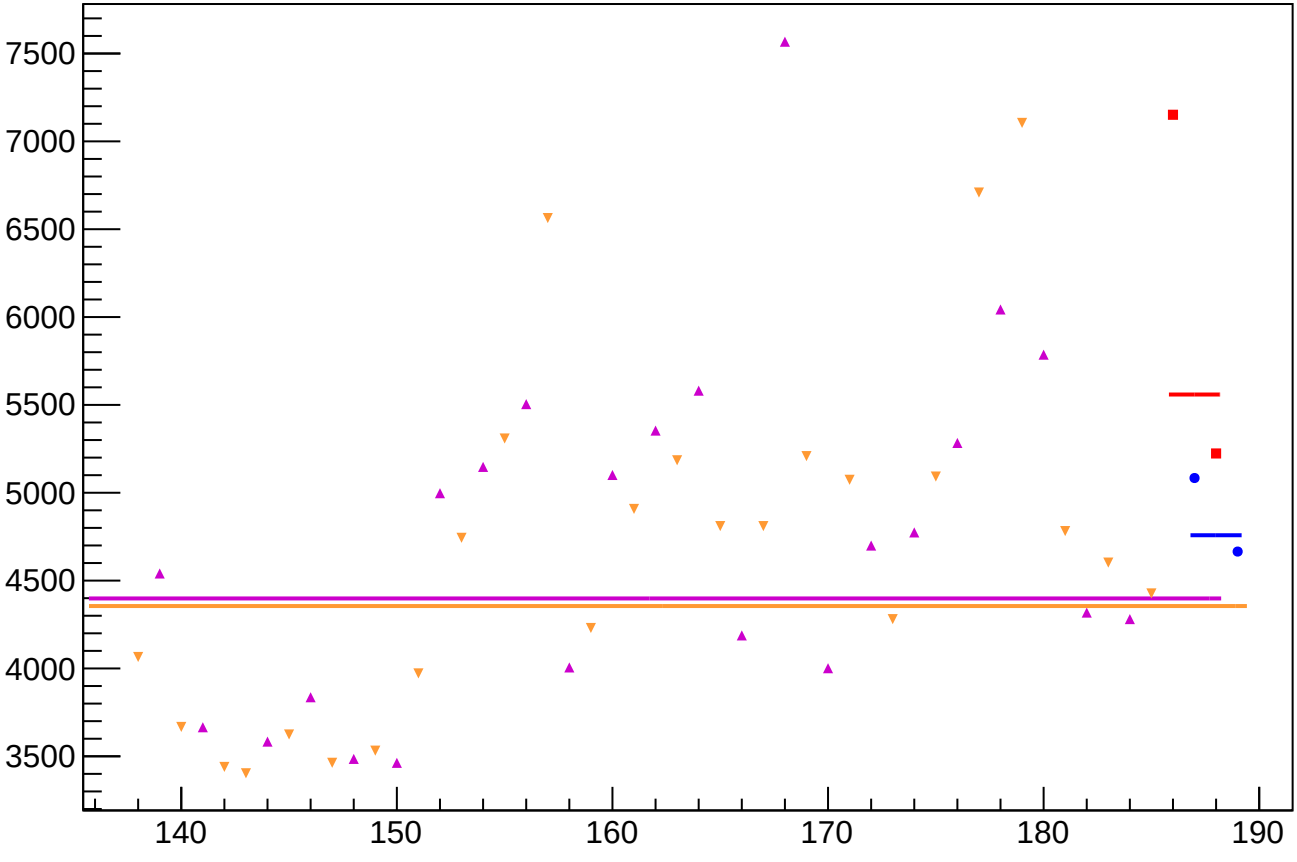
Right: 2545.444+/-3915.710 $\chi^2$/NDF: 5.6/3

In: -184.596+/-1054.496 $\chi^2$/NDF:18.1/24

Out: -499.088+/-1021.961 $\chi^2$/NDF:33.9/26

All: -346.768+/-733.868 $\chi^2$/NDF: 52.0/51

# asym_atr_dd_correction_rms vs Slug, Sign Corrected




Right In: 4758.190+/-4.361 $\chi^2$/NDF: 1591.2/1

Left Out: 4355.202+/-0.738 $\chi^2$/NDF:1350492.3/24

Right Out: 5559.138+/-3.584 $\chi^2$/NDF: 41591.1/1

Left In: 4398.421+/-0.757 $\chi^2$/NDF:1278784.1/22

Left: 4376.262+/-0.528 $\chi^2$/NDF: 2630948.5/47

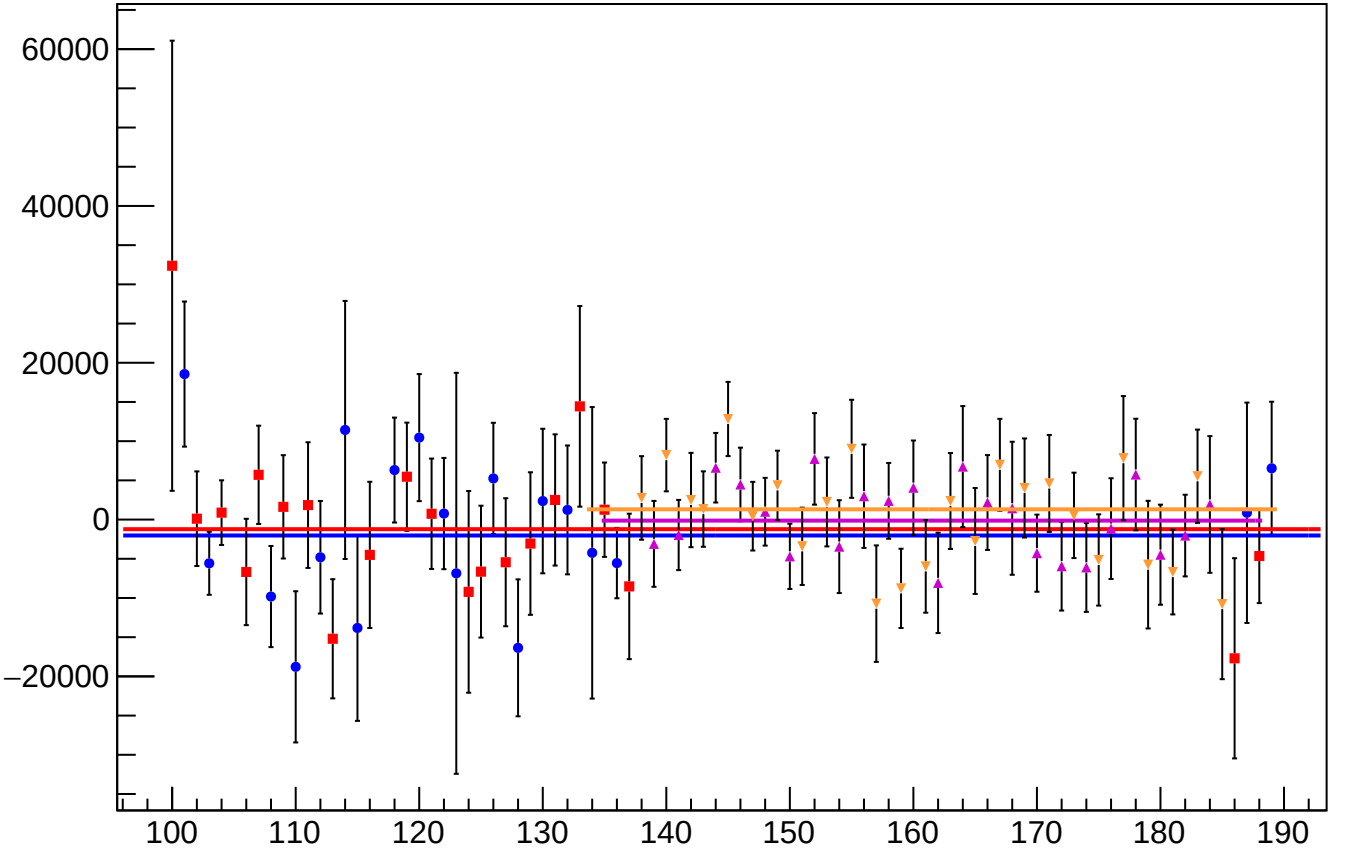
Right: 5236.217+/-2.769 $\chi^2$/NDF: 63317.5/3

In: 4408.940+/-0.746 $\chi^2$/NDF:1286983.1/24

Out: 4404.146+/-0.723 $\chi^2$/NDF:1500336.2/26

All: 4406.468+/-0.519 $\chi^2$/NDF: 2787340.6/51

# asym_atr_dd_mean vs Slug, Sign Corrected




Right In: -2030.611+/-1744.710 $\chi^2$/NDF: 22.0/18

Left Out: 1306.805+/-1131.617 $\chi^2$/NDF:28.1/24

Right Out: -1225.700+/-1613.564 $\chi^2$/NDF: 14.0/20

Left In: -131.428+/-1157.282 $\chi^2$/NDF:14.9/22

Left: 603.813+/-809.096 $\chi^2$/NDF: 43.8/47

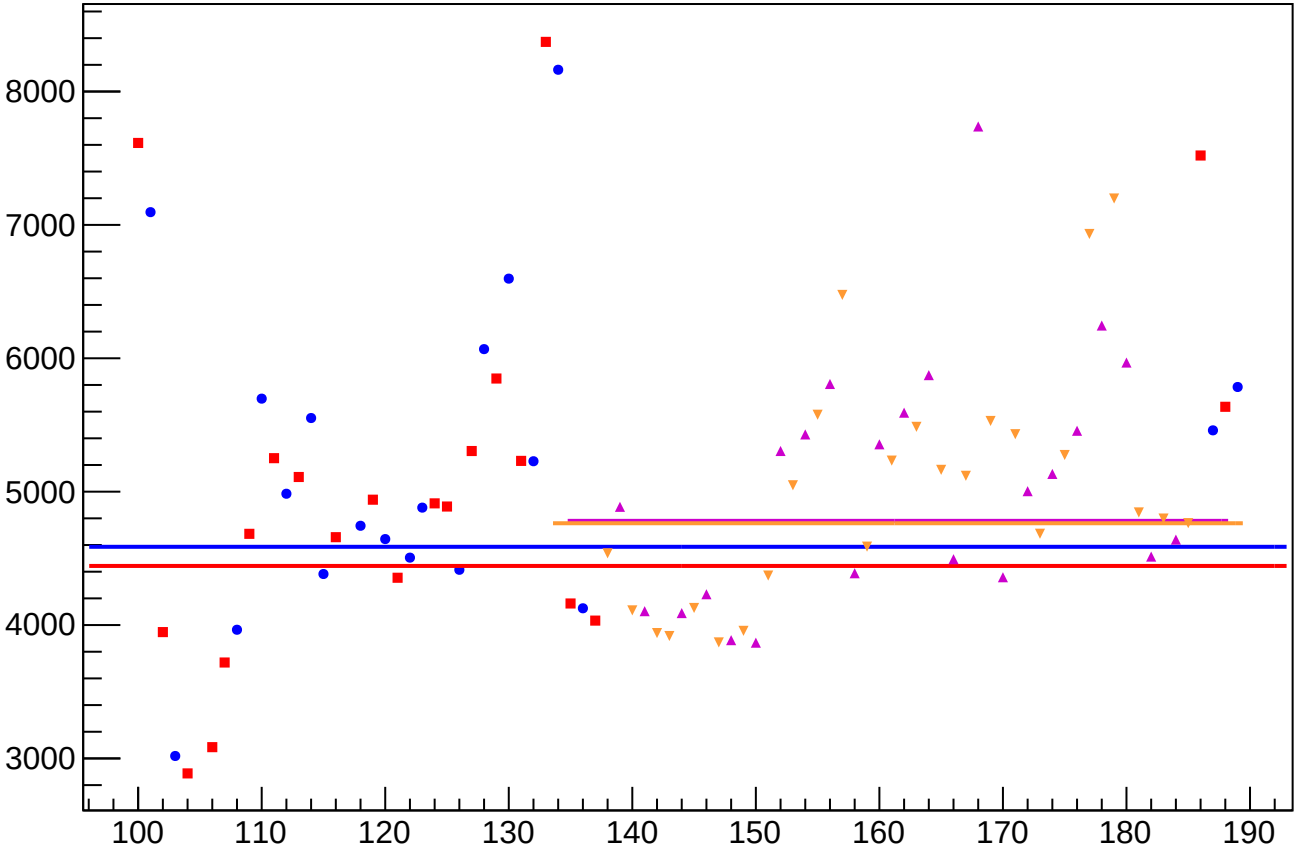
Right: -1596.770+/-1184.615 $\chi^2$/NDF: 36.1/39

In: -711.715+/-964.409 $\chi^2$/NDF:37.6/41

Out: 471.867+/-926.484 $\chi^2$/NDF:43.8/45

All: -96.195+/-668.128 $\chi^2$/NDF: 82.2/87

# asym_atr_dd_rms vs Slug, Sign Corrected




Right In: 4586.674+/-1.234 $\chi^2$/NDF: 820651.0/18

Left Out: 4763.190+/-0.800 $\chi^2$/NDF:941856.9/24

Right Out: 4443.169+/-1.135 $\chi^2$/NDF: 982133.7/20

Left In: 4781.172+/-0.818 $\chi^2$/NDF:951542.2/22

Left: 4771.979+/-0.572 $\chi^2$/NDF: 1893645.9/47

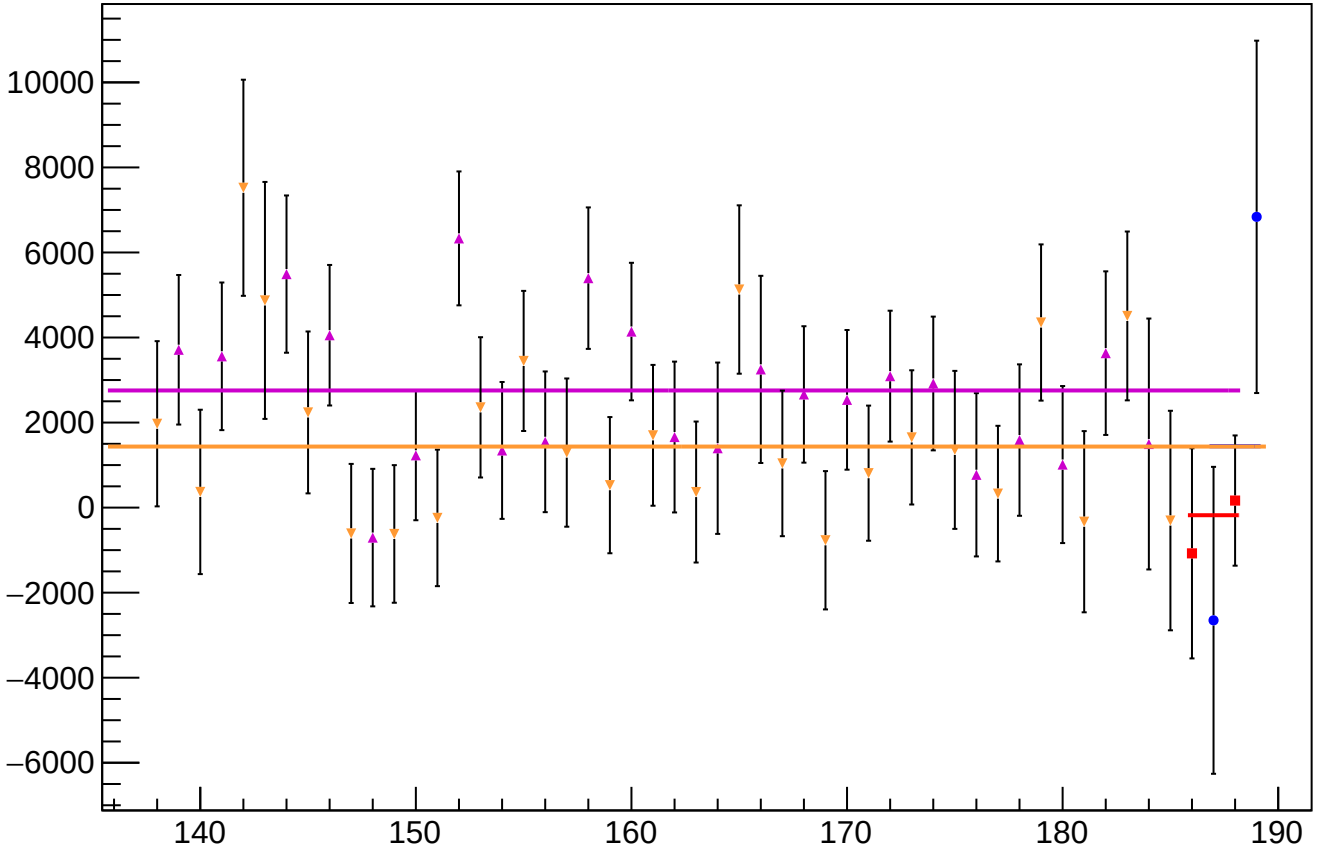
Right: 4508.964+/-0.835 $\chi^2$/NDF: 1810111.8/39

In: 4721.744+/-0.682 $\chi^2$/NDF:1789453.9/41

Out: 4656.964+/-0.654 $\chi^2$/NDF:1977083.8/45

All: 4688.001+/-0.472 $\chi^2$/NDF: 3771238.0/87

dit_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected




Right In: 1442.779+/-2721.539 $\chi^2$/NDF: 3.0/1

Left Out: 1435.504+/-358.178 $\chi^2$/NDF:26.7/24

Right Out: -178.989+/-1301.638 $\chi^2$/NDF: 0.2/1

Left In: 2754.889+/-361.672 $\chi^2$/NDF:22.4/22

Left: 2088.793+/-254.496 $\chi^2$/NDF: 55.8/47

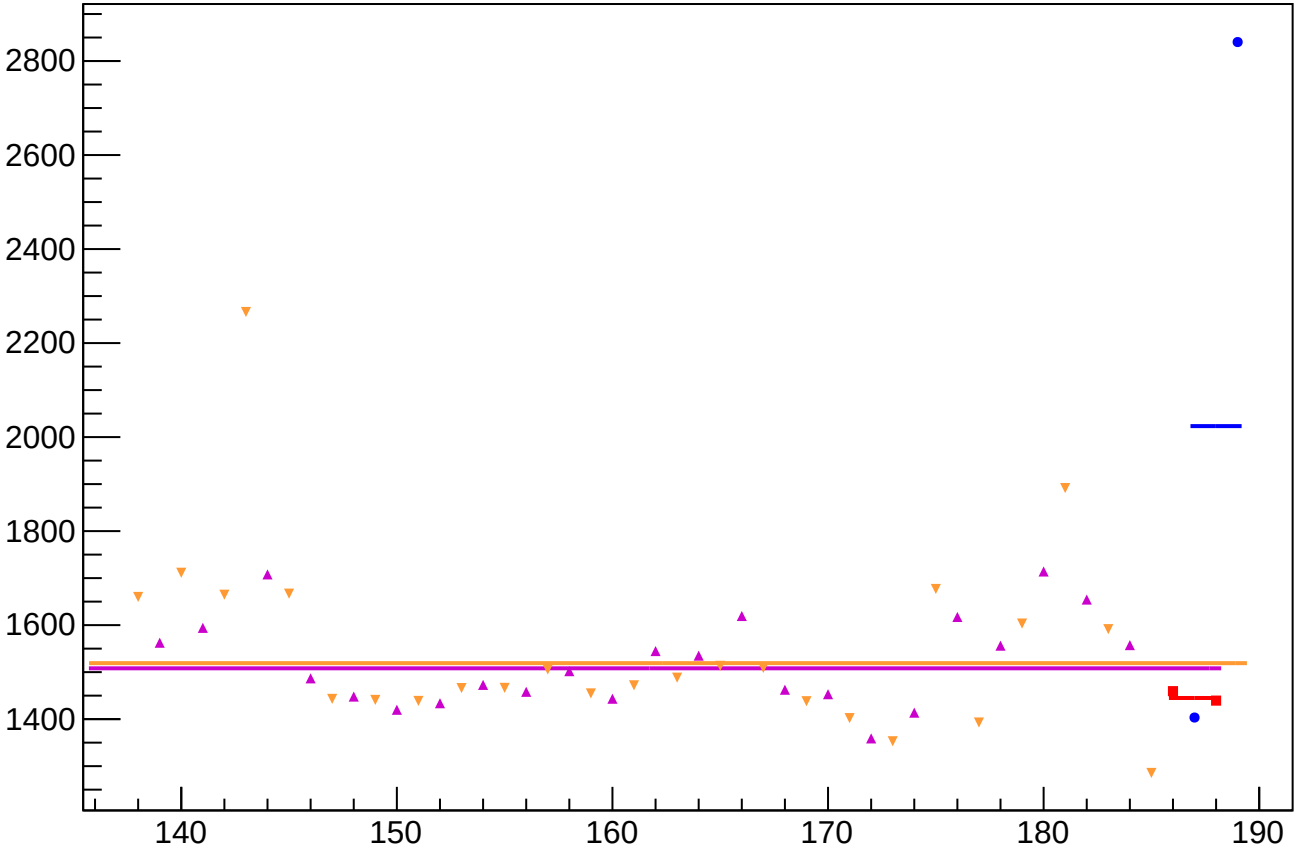
Right: 122.921+/-1174.247 $\chi^2$/NDF: 3.5/3

In: 2732.118+/-358.520 $\chi^2$/NDF:25.6/24

Out: 1321.858+/-345.342 $\chi^2$/NDF:28.4/26

All: 2000.594+/-248.722 $\chi^2$/NDF: 61.9/51

dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected




Right In: 2023.377+/-1.924 $\chi^2$/NDF: 136768.3/1

Left Out: 1519.092+/-0.253 $\chi^2$/NDF:365839.2/24

Right Out: 1444.994+/-0.920 $\chi^2$/NDF: 96.1/1

Left In: 1508.111+/-0.256 $\chi^2$/NDF:131488.7/22

Left: 1513.655+/-0.180 $\chi^2$/NDF: 498258.6/47

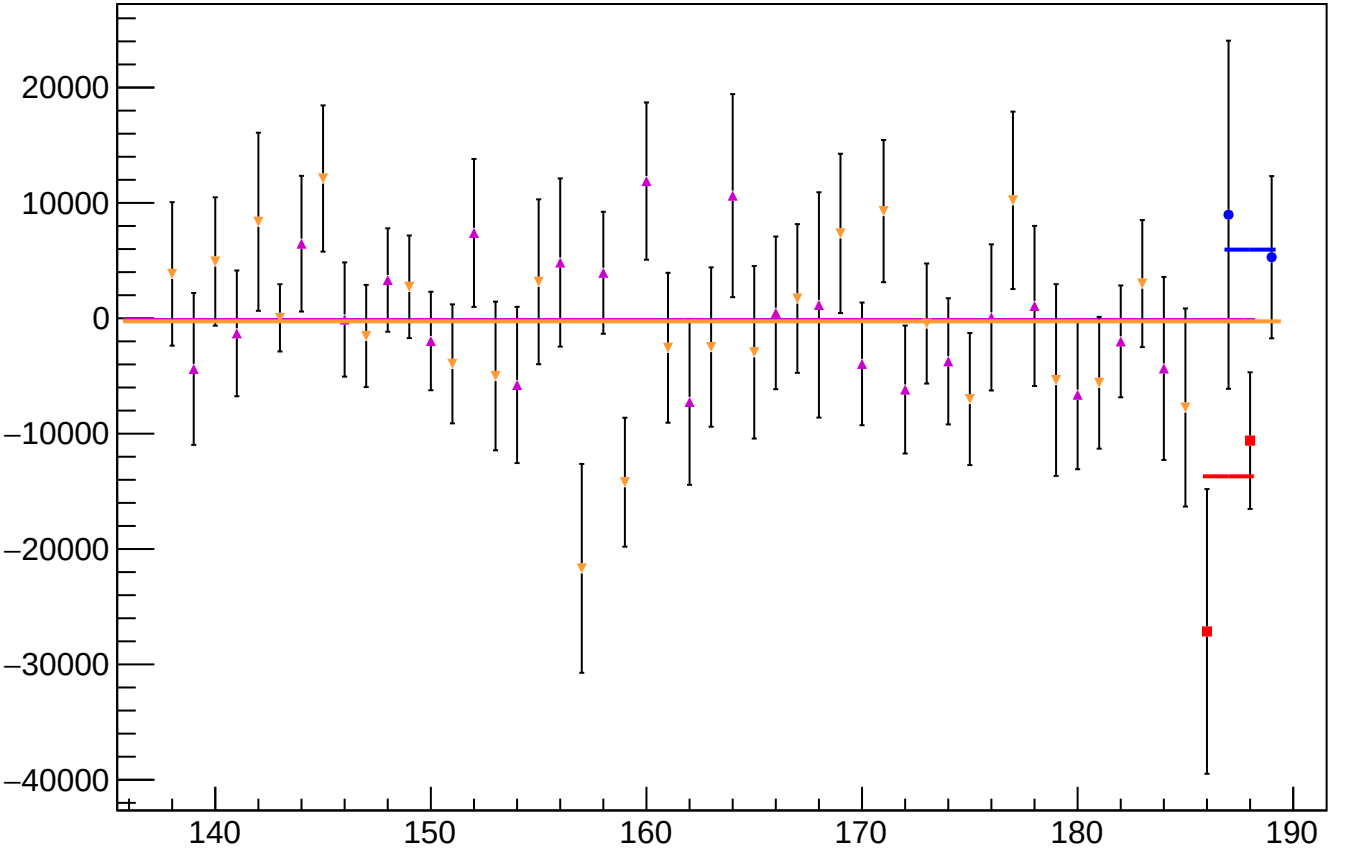
Right: 1552.667+/-0.830 $\chi^2$/NDF: 210378.4/3

In: 1517.053+/-0.254 $\chi^2$/NDF:338703.7/24

Out: 1513.876+/-0.244 $\chi^2$/NDF:371960.3/26

All: 1515.405+/-0.176 $\chi^2$/NDF: 710745.5/51

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected




Right In: 5950.864+/-6371.883 $\chi^2$/NDF: 0.0/1

Left Out: -264.324+/-1151.119 $\chi^2$/NDF:29.7/24

Right Out: -13699.226+/-5338.811 $\chi^2$/NDF: 1.5/1

Left In: -151.239+/-1241.800 $\chi^2$/NDF:14.9/22

Left: -212.060+/-844.204 $\chi^2$/NDF: 44.6/47

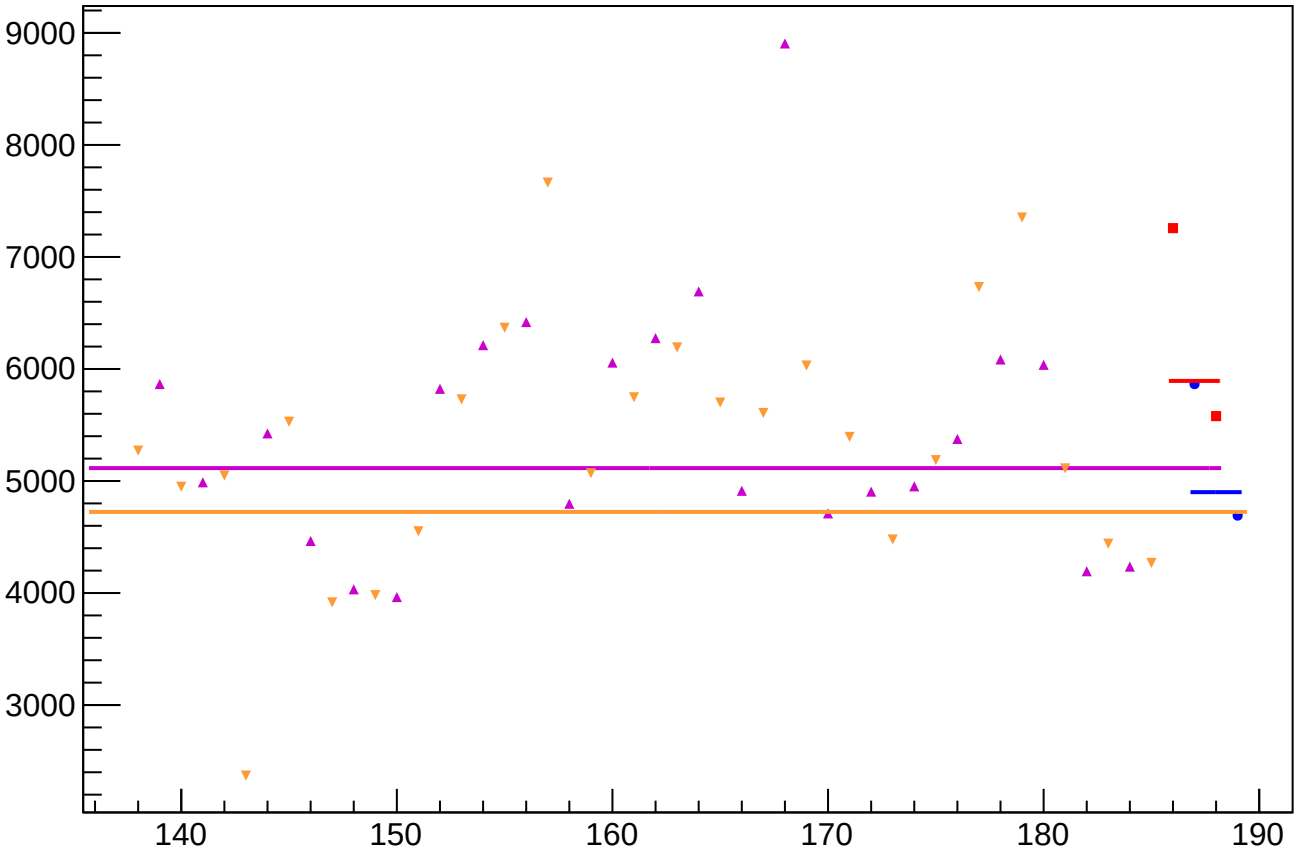
Right: -5594.250+/-4092.243 $\chi^2$/NDF: 7.1/3

In: 72.045+/-1218.868 $\chi^2$/NDF:15.8/24

Out: -861.154+/-1125.260 $\chi^2$/NDF:37.2/26

All: -431.761+/-826.794 $\chi^2$/NDF: 53.3/51

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected




Right In: 4900.489+/-4.506 $\chi^2$/NDF: 9945.9/1

Left Out: 4724.027+/-0.814 $\chi^2$/NDF:2537532.1/24

Right Out: 5893.463+/-3.775 $\chi^2$/NDF: 30066.2/1

Left In: 5115.139+/-0.878 $\chi^2$/NDF:1131347.2/22

Left: 4904.783+/-0.597 $\chi^2$/NDF: 3775584.1/47

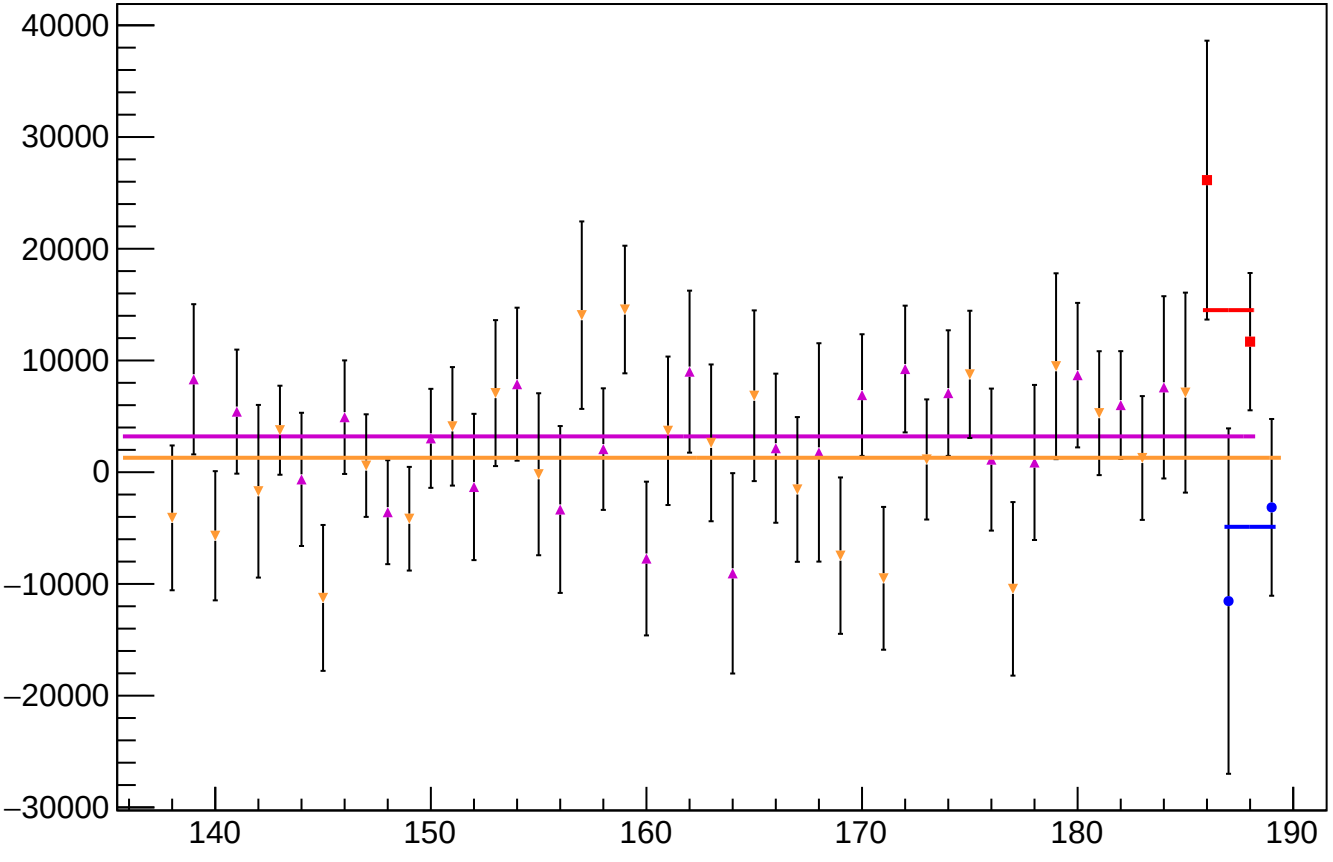
Right: 5483.896+/-2.894 $\chi^2$/NDF: 68548.8/3

In: 5107.285+/-0.862 $\chi^2$/NDF:1143479.6/24

Out: 4775.978+/-0.796 $\chi^2$/NDF:2659296.3/26

All: 4928.422+/-0.585 $\chi^2$/NDF: 3882550.9/51

# asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected




Right In: -4887.703+/-7041.812 $\chi^2$/NDF: 0.2/1

Left Out: 1292.246+/-1215.761 $\chi^2$/NDF:27.8/24

Right Out: 14505.726+/-5512.647 $\chi^2$/NDF: 1.1/1

Left In: 3205.363+/-1265.586 $\chi^2$/NDF:13.9/22

Left: 2210.405+/-876.758 $\chi^2$/NDF: 42.9/47

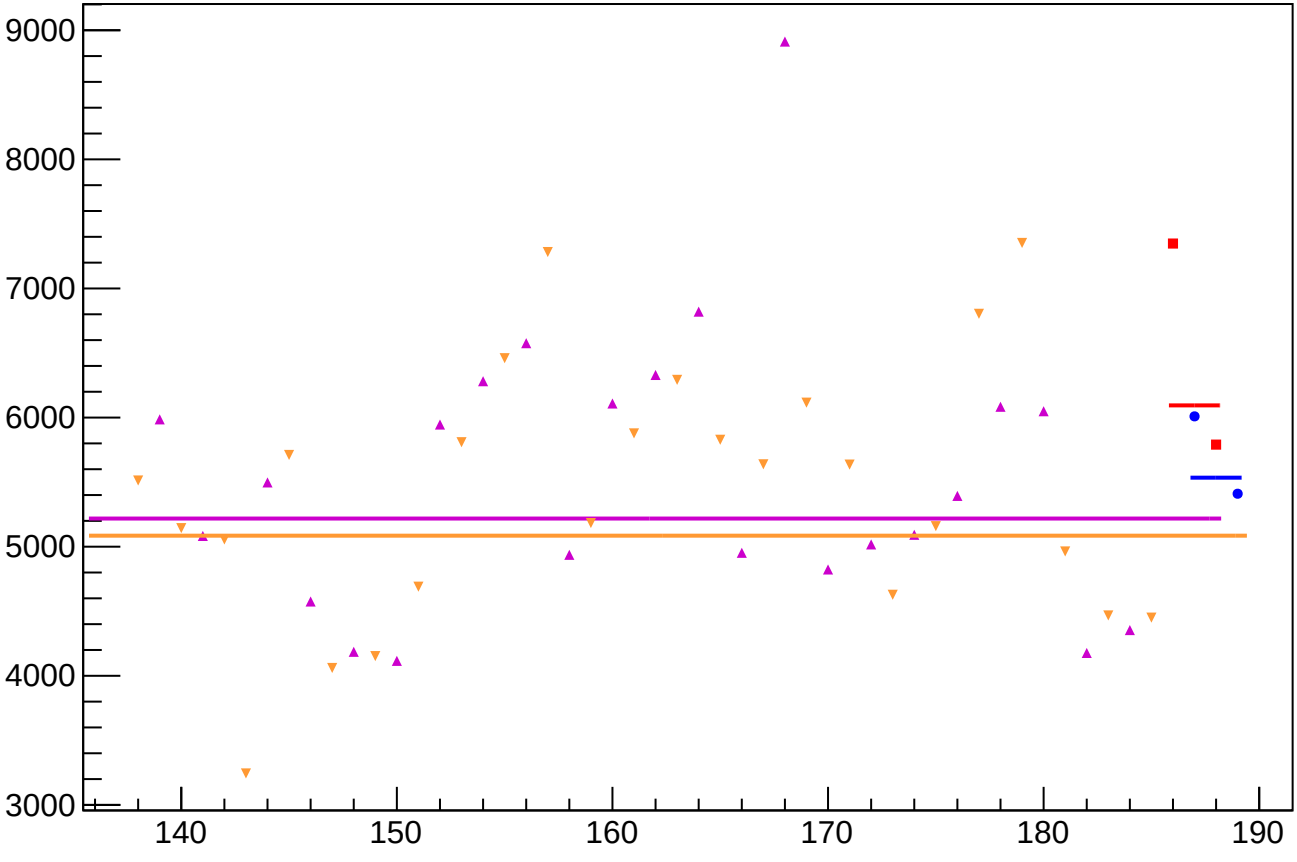
Right: 7136.649+/-4340.739 $\chi^2$/NDF: 6.0/3

In: 2952.130+/-1245.629 $\chi^2$/NDF:15.4/24

Out: 1905.115+/-1187.232 $\chi^2$/NDF:34.4/26

All: 2403.505+/-859.403 $\chi^2$/NDF: 50.1/51

# asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected




Right In: 5534.544+/-4.979 $\chi^2$/NDF: 2381.3/1

Left Out: 5085.307+/-0.860 $\chi^2$/NDF:1356698.4/24

Right Out: 6094.409+/-3.898 $\chi^2$/NDF: 25064.8/1

Left In: 5217.971+/-0.895 $\chi^2$/NDF:1058996.1/22

Left: 5148.976+/-0.620 $\chi^2$/NDF: 2427123.8/47

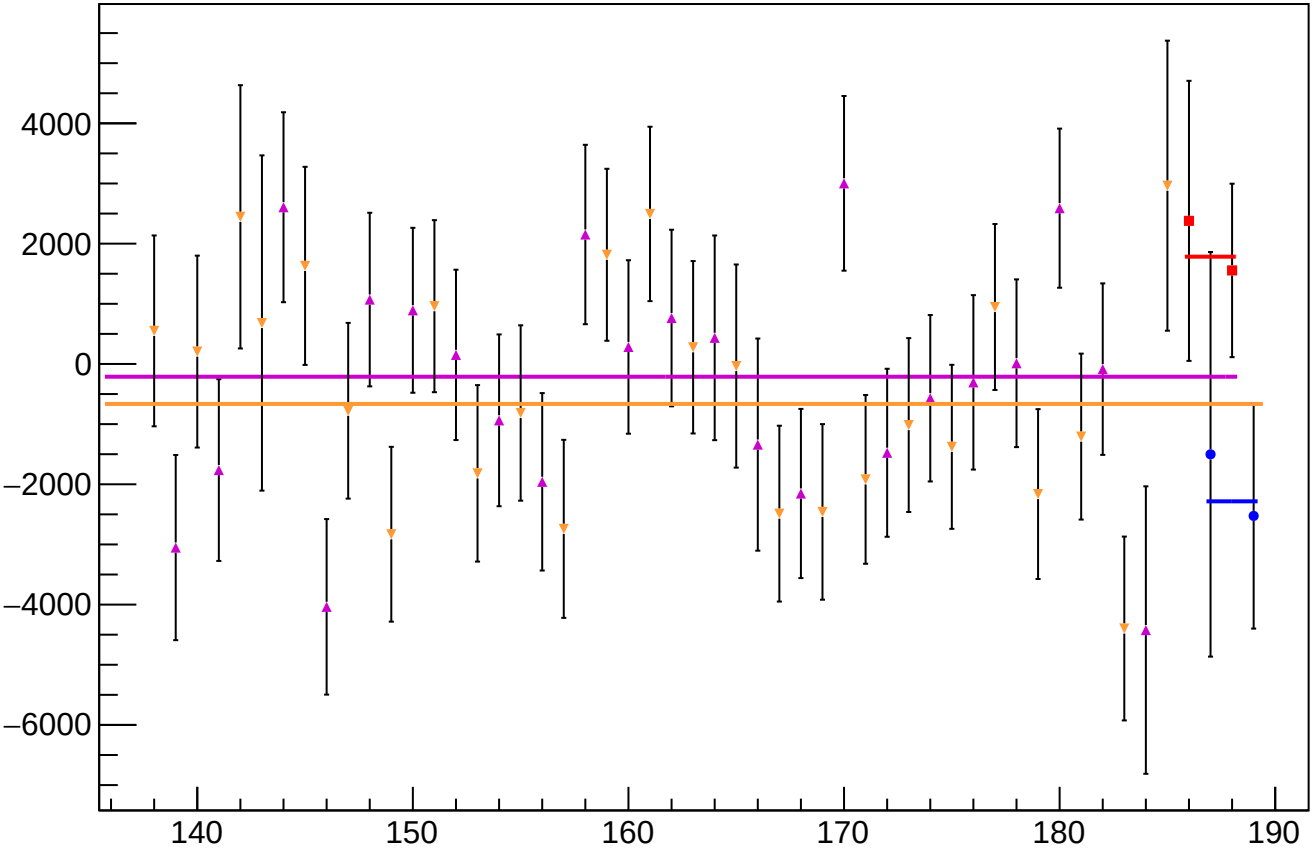
Right: 5881.672+/-3.069 $\chi^2$/NDF: 35284.7/3

In: 5227.877+/-0.881 $\chi^2$/NDF:1065293.1/24

Out: 5132.111+/-0.839 $\chi^2$/NDF:1445671.0/26

All: 5177.697+/-0.608 $\chi^2$/NDF: 2517158.4/51

dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected




Right In: -2283.368+/-1636.274 $\chi^2$/NDF: 0.1/1

Left Out: -664.362+/-305.119 $\chi^2$/NDF:34.6/24

Right Out: 1783.340+/-1225.578 $\chi^2$/NDF: 0.1/1

Left In: -212.071+/-308.597 $\chi^2$/NDF:36.6/22

Left: -440.780+/-216.971 $\chi^2$/NDF: 72.3/47

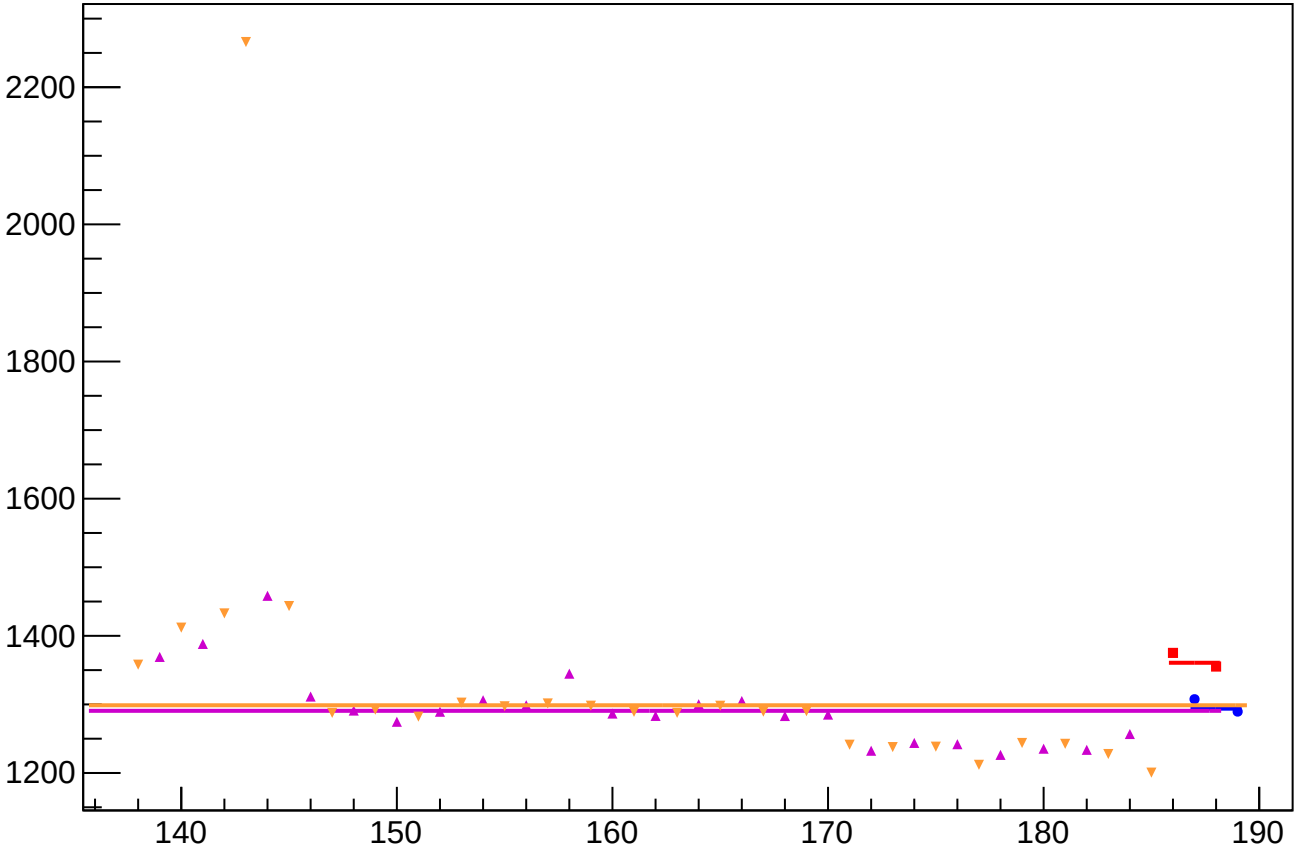
Right: 321.811+/-980.931 $\chi^2$/NDF: 4.1/3

In: -283.214+/-303.251 $\chi^2$/NDF:38.3/24

Out: -521.506+/-296.081 $\chi^2$/NDF:38.5/26

All: -405.211+/-211.851 $\chi^2$/NDF: 77.0/51

dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected




Right In: 1293.801+/-1.157 $\chi^2$/NDF: 44.1/1

Left Out: 1298.743+/-0.216 $\chi^2$/NDF:310344.8/24

Right Out: 1360.720+/-0.867 $\chi^2$/NDF: 105.8/1

Left In: 1290.644+/-0.218 $\chi^2$/NDF:59427.8/22

Left: 1294.740+/-0.153 $\chi^2$/NDF: 370469.1/47

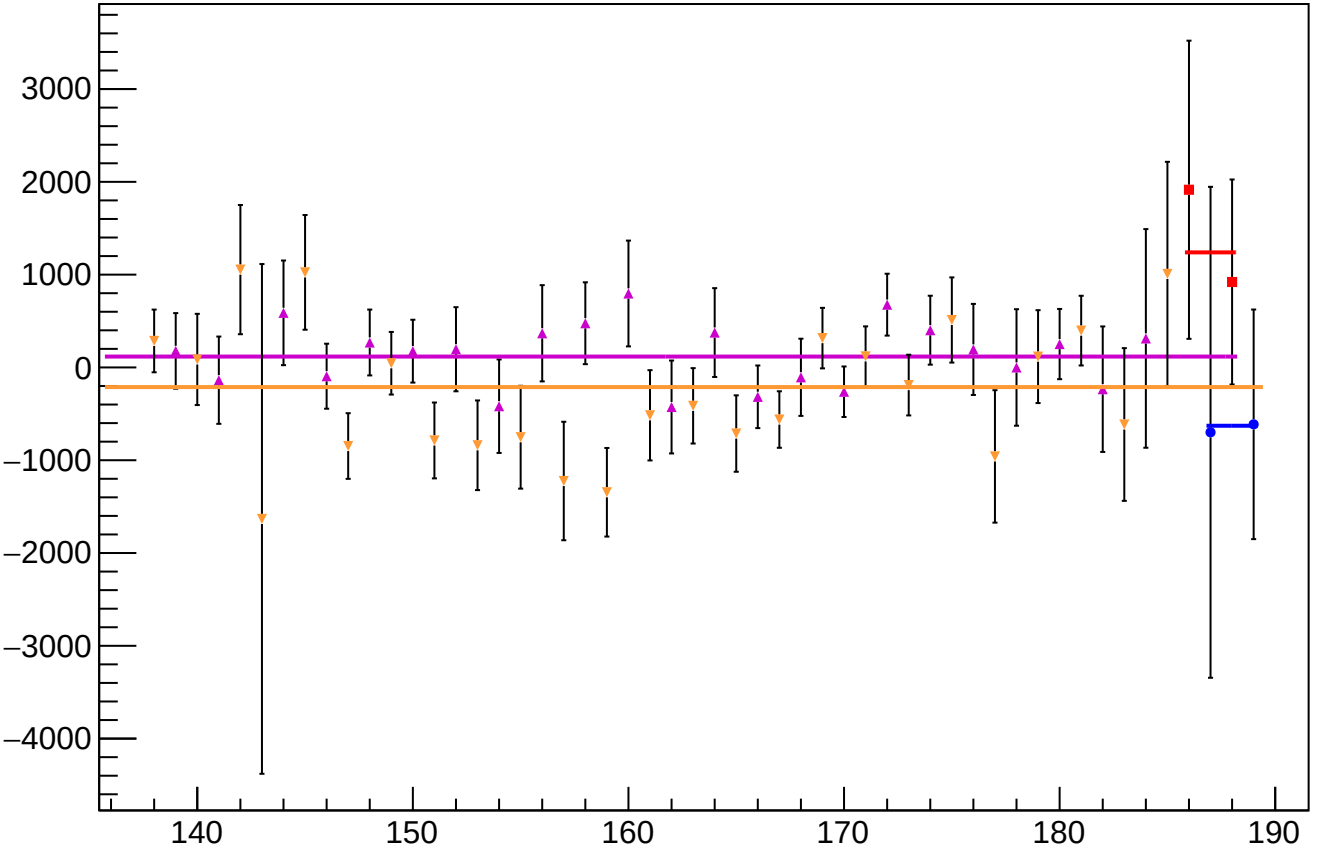
Right: 1336.670+/-0.694 $\chi^2$/NDF: 2292.9/3

In: 1290.753+/-0.214 $\chi^2$/NDF:59479.1/24

Out: 1302.360+/-0.209 $\chi^2$/NDF:315266.6/26

All: 1296.696+/-0.150 $\chi^2$/NDF: 376245.9/51

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected




Right In: -628.576+/-1120.695 $\chi^2$/NDF: 0.0/1

Left Out: -211.646+/-87.670 $\chi^2$/NDF:41.7/24

Right Out: 1239.858+/-910.212 $\chi^2$/NDF: 0.3/1

Left In: 117.113+/-88.214 $\chi^2$/NDF:14.3/22

Left: -48.284+/-62.183 $\chi^2$/NDF: 63.0/47

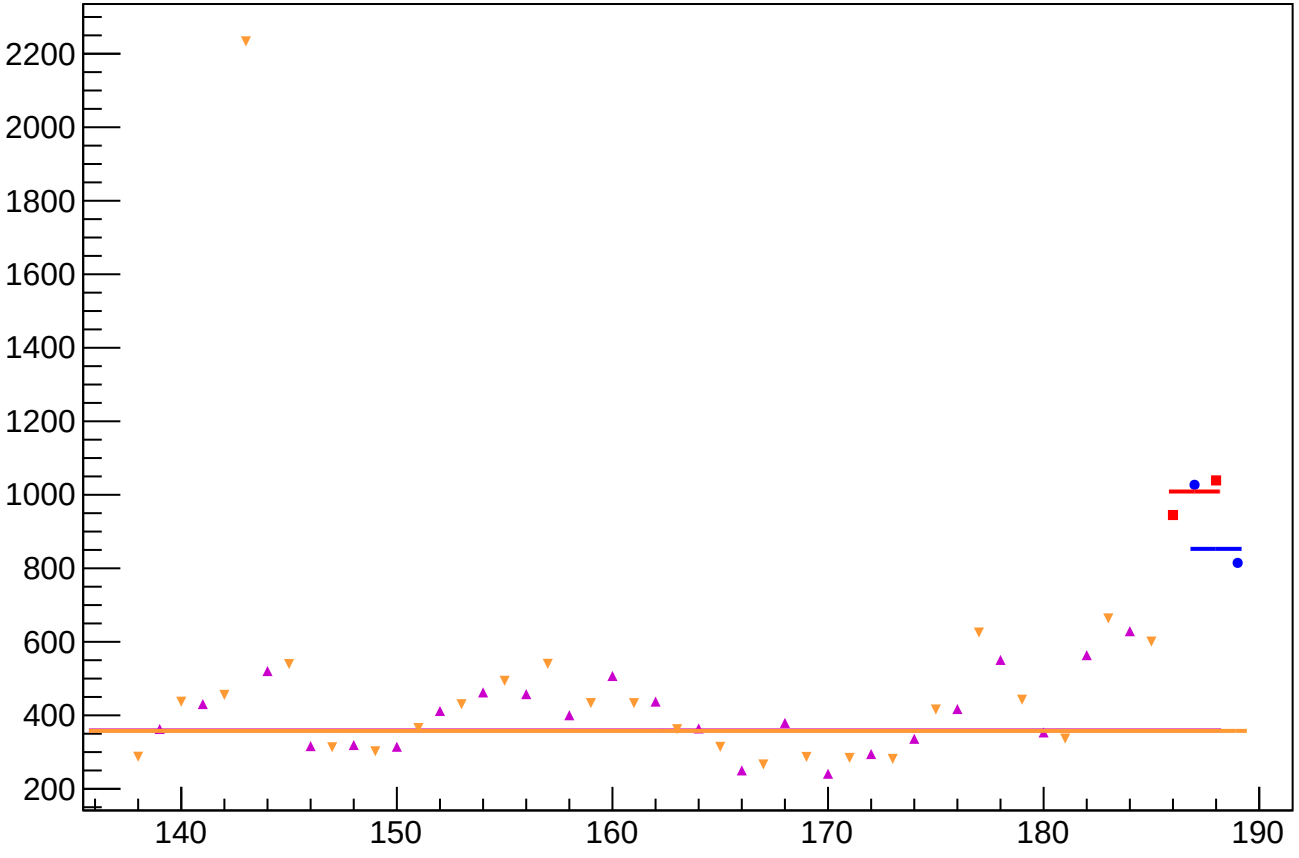
Right: 497.227+/-706.537 $\chi^2$/NDF: 1.9/3

In: 112.522+/-87.942 $\chi^2$/NDF:14.7/24

Out: -198.304+/-87.266 $\chi^2$/NDF:44.5/26

All: -44.091+/-61.944 $\chi^2$/NDF: 65.5/51

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected




Right In: 852.930+/-0.792 $\chi^2$/NDF: 10585.3/1

Left Out: 357.749+/-0.062 $\chi^2$/NDF:3042055.7/24

Right Out: 1008.942+/-0.644 $\chi^2$/NDF: 4668.3/1

Left In: 359.000+/-0.062 $\chi^2$/NDF:1858849.9/22

Left: 358.371+/-0.044 $\chi^2$/NDF: 4901108.0/47

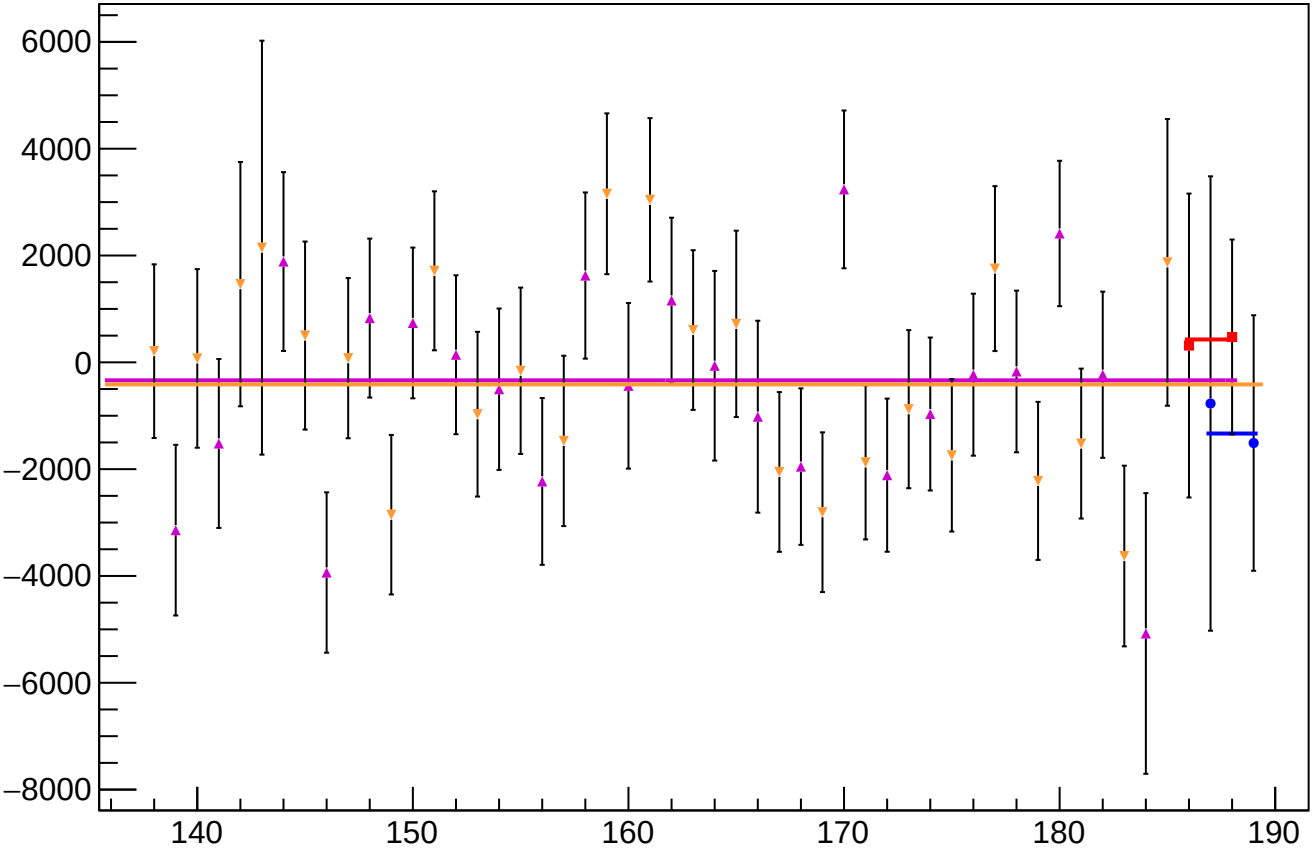
Right: 946.933+/-0.500 $\chi^2$/NDF: 38607.5/3

In: 362.042+/-0.062 $\chi^2$/NDF:2255537.7/24

Out: 363.735+/-0.062 $\chi^2$/NDF:4060994.1/26

All: 362.895+/-0.044 $\chi^2$/NDF: 6316905.4/51

# asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected




Right In: -1333.108+/-2085.300 $\chi^2$/NDF: 0.0/1

Left Out: -413.407+/-320.677 $\chi^2$/NDF:32.8/24

Right Out: 428.311+/-1535.833 $\chi^2$/NDF: 0.0/1

Left In: -337.193+/-323.023 $\chi^2$/NDF:32.8/22

Left: -375.578+/-227.578 $\chi^2$/NDF: 65.6/47

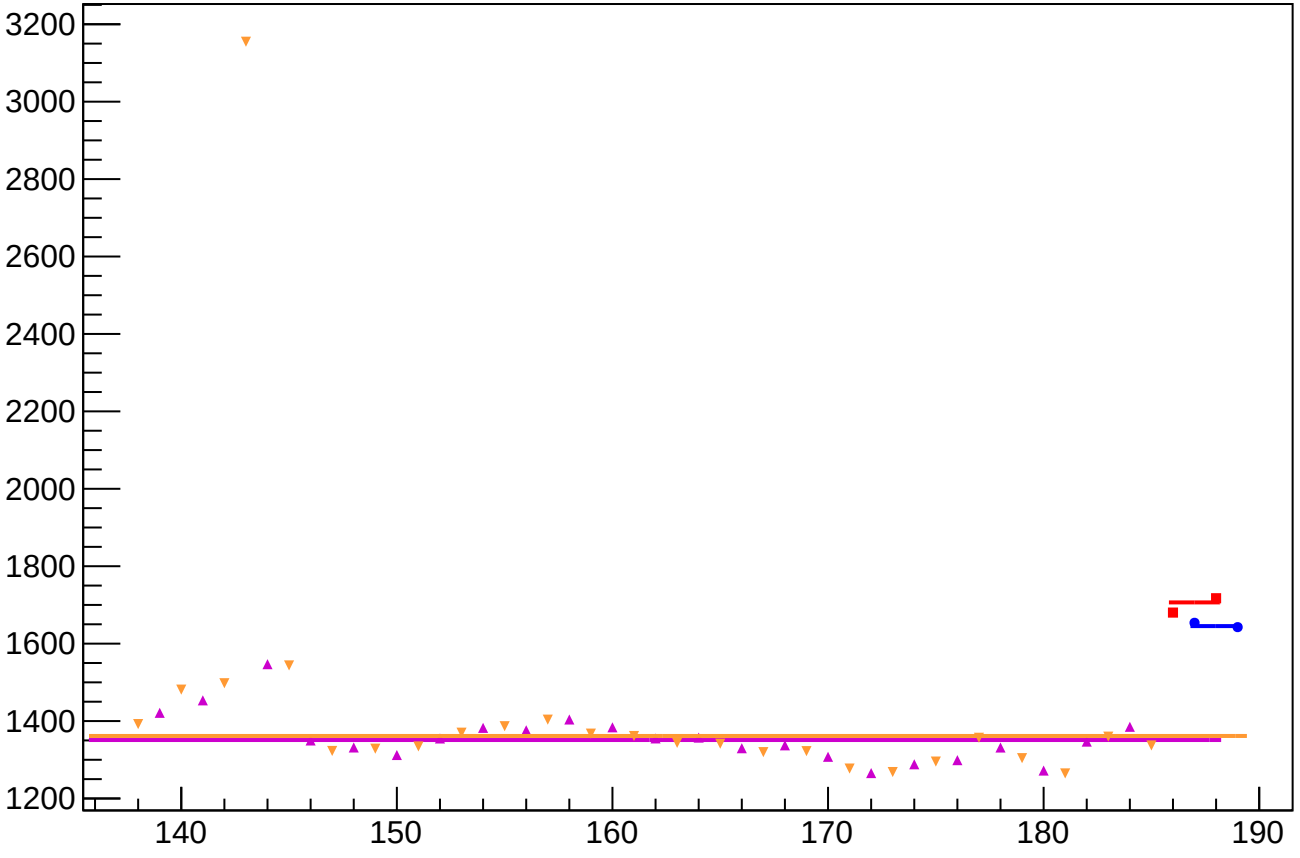
Right: -191.138+/-1236.631 $\chi^2$/NDF: 0.5/3

In: -360.530+/-319.216 $\chi^2$/NDF:33.0/24

Out: -378.245+/-313.907 $\chi^2$/NDF:33.1/26

All: -369.536+/-223.819 $\chi^2$/NDF: 66.1/51

# asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected




Right In: 1645.331+/-1.475 $\chi^2$/NDF: 10.6/1

Left Out: 1361.511+/-0.227 $\chi^2$/NDF:507869.8/24

Right Out: 1706.507+/-1.086 $\chi^2$/NDF: 240.8/1

Left In: 1351.012+/-0.228 $\chi^2$/NDF:68978.1/22

Left: 1356.300+/-0.161 $\chi^2$/NDF: 577911.7/47

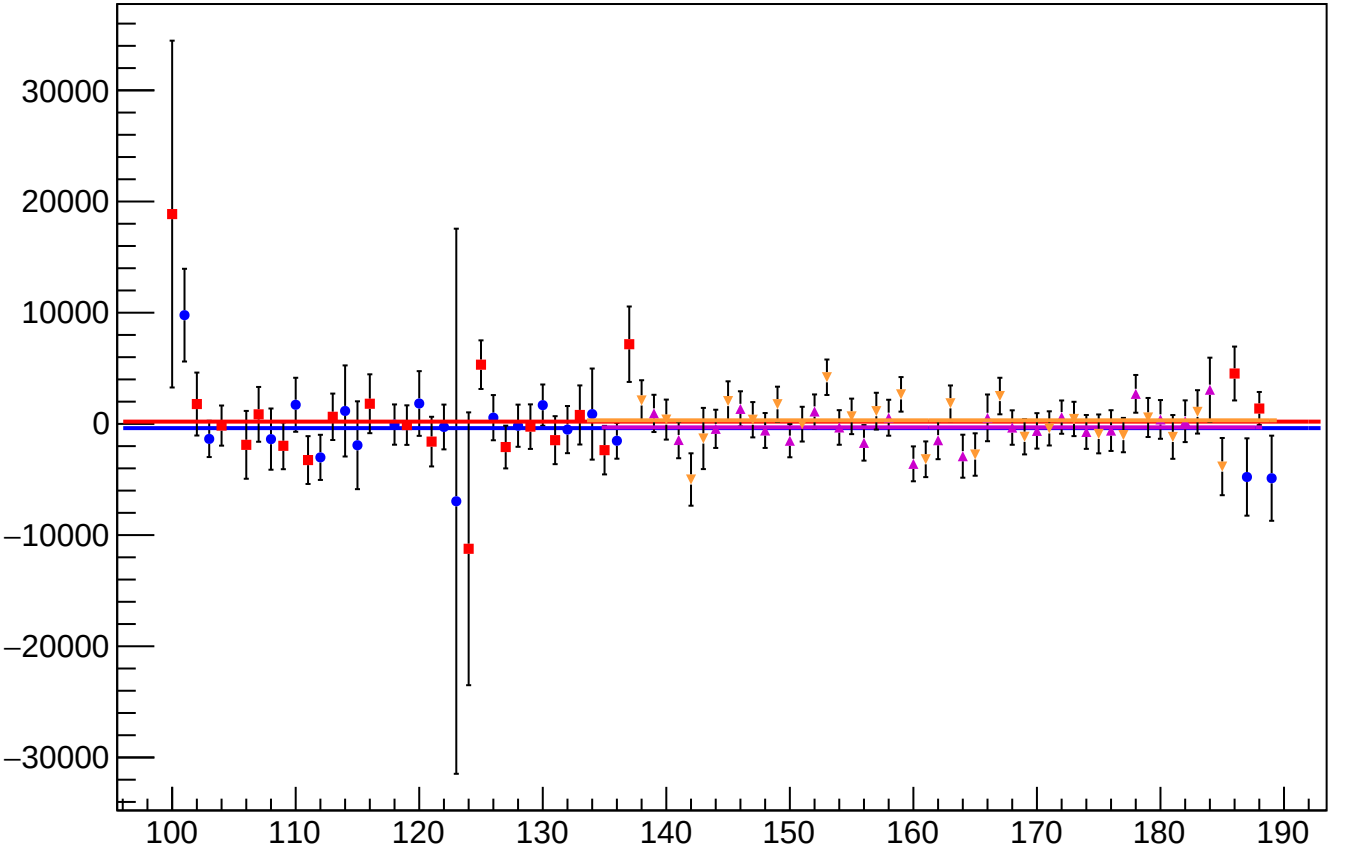
Right: 1684.993+/-0.874 $\chi^2$/NDF: 1367.3/3

In: 1357.909+/-0.226 $\chi^2$/NDF:107896.0/24

Out: 1375.923+/-0.222 $\chi^2$/NDF:604813.3/26

All: 1367.067+/-0.158 $\chi^2$/NDF: 715947.0/51

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected




Right In: -381.210+/-542.215 $\chi^2$/NDF: 14.9/18

Left Out: 320.058+/-344.642 $\chi^2$/NDF:32.4/24

Right Out: 204.743+/-496.955 $\chi^2$/NDF: 24.9/20

Left In: -310.833+/-348.292 $\chi^2$/NDF:16.8/22

Left: 7.936+/-244.979 $\chi^2$/NDF: 50.9/47

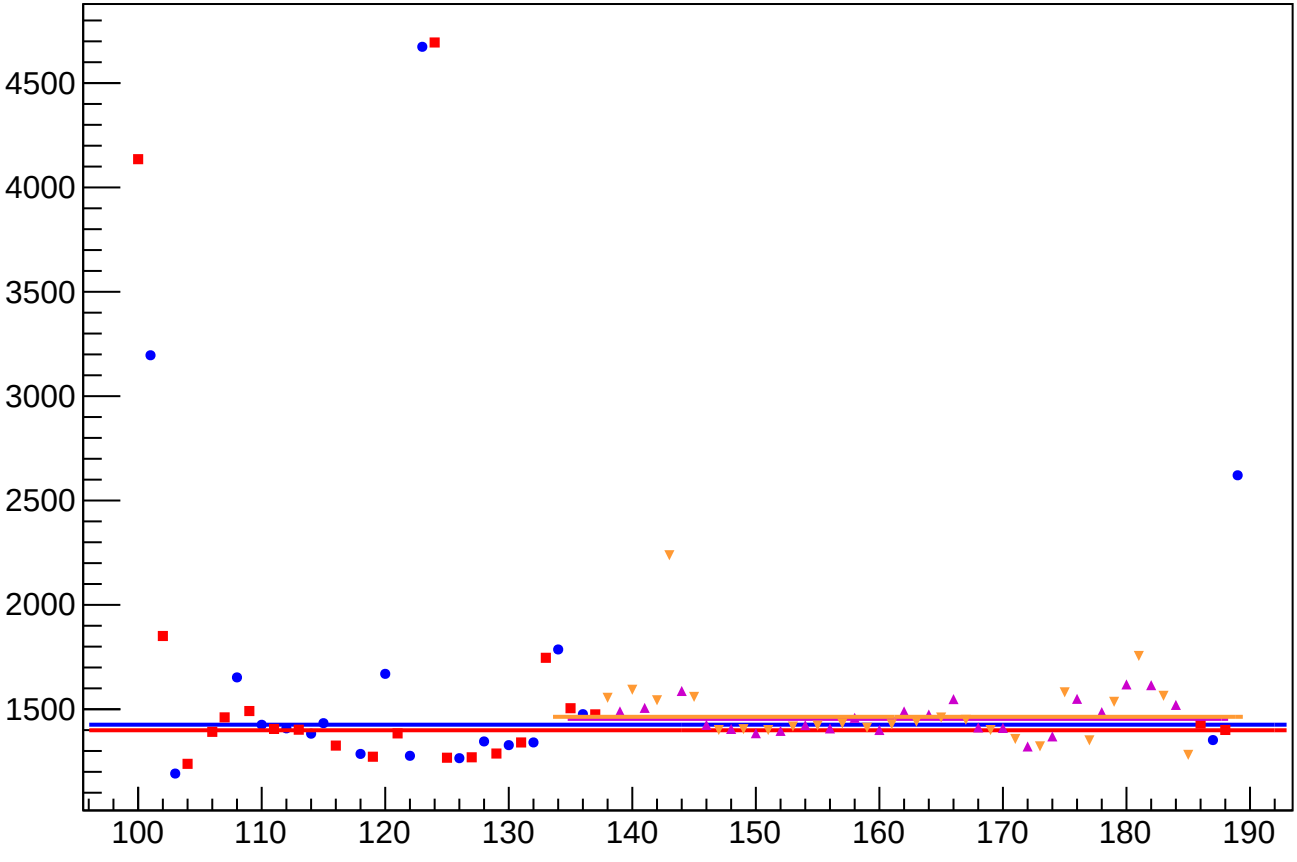
Right: -62.761+/-366.358 $\chi^2$/NDF: 40.5/39

In: -331.389+/-293.043 $\chi^2$/NDF:31.7/41

Out: 282.608+/-283.203 $\chi^2$/NDF:57.4/45

All: -13.908+/-203.645 $\chi^2$/NDF: 91.4/87

# dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected




Right In: 1425.920+/-0.383 $\chi^2$/NDF: 725584.4/18

Left Out: 1463.714+/-0.244 $\chi^2$/NDF:310491.4/24

Right Out: 1399.232+/-0.351 $\chi^2$/NDF: 353739.7/20

Left In: 1453.763+/-0.246 $\chi^2$/NDF:99224.2/22

Left: 1458.791+/-0.173 $\chi^2$/NDF: 410540.5/47

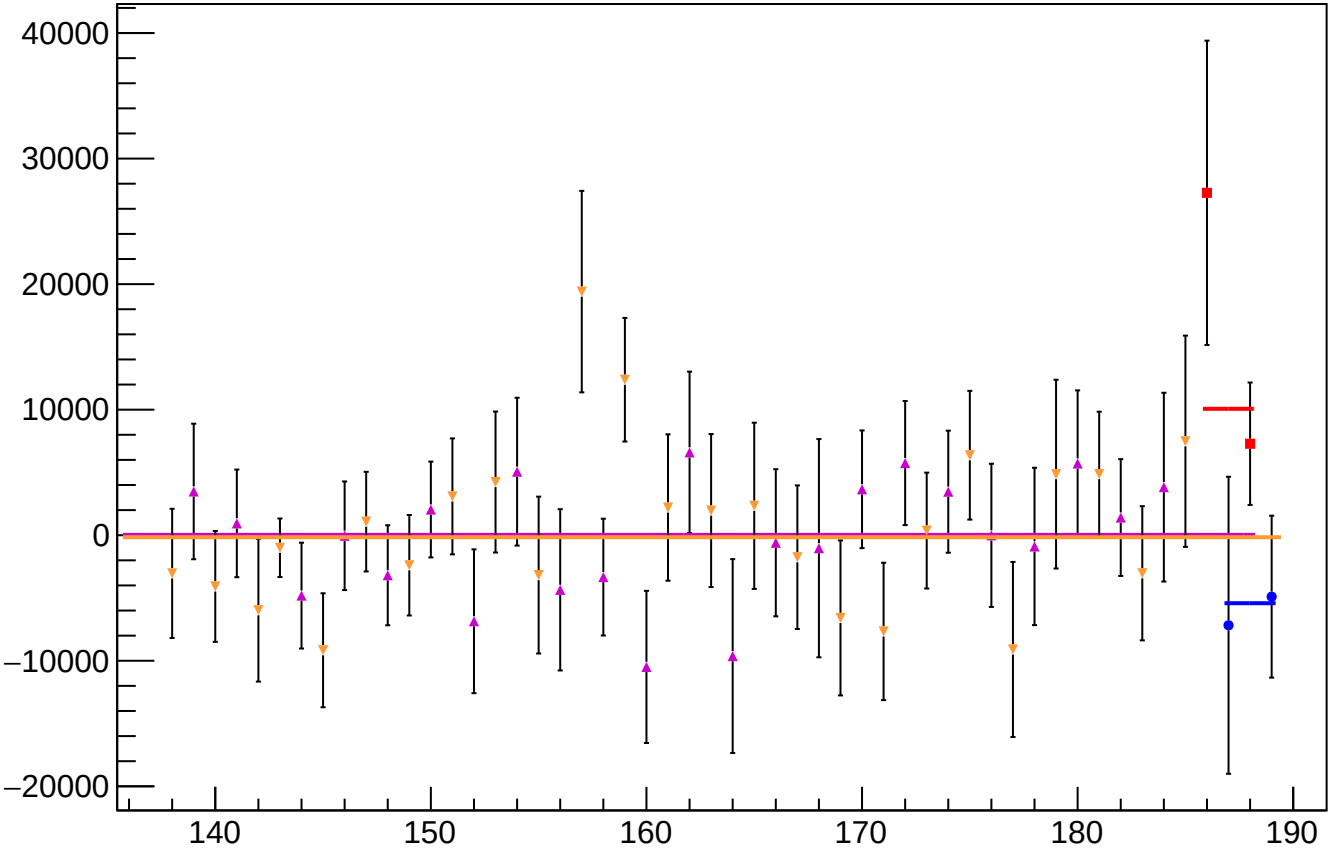
Right: 1411.410+/-0.259 $\chi^2$/NDF: 1081958.5/39

In: 1445.630+/-0.207 $\chi^2$/NDF:828542.0/41

Out: 1442.759+/-0.200 $\chi^2$/NDF:686982.4/45

All: 1444.145+/-0.144 $\chi^2$/NDF: 1515623.7/87

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected




Right In: -5416.337+/-5662.235 $\chi^2$/NDF: 0.0/1

Left Out: -160.118+/-989.347 $\chi^2$/NDF:29.7/24

Right Out: 10069.583+/-4522.830 $\chi^2$/NDF: 2.3/1

Left In: 26.926+/-1085.415 $\chi^2$/NDF:15.3/22

Left: -75.238+/-731.183 $\chi^2$/NDF: 45.0/47

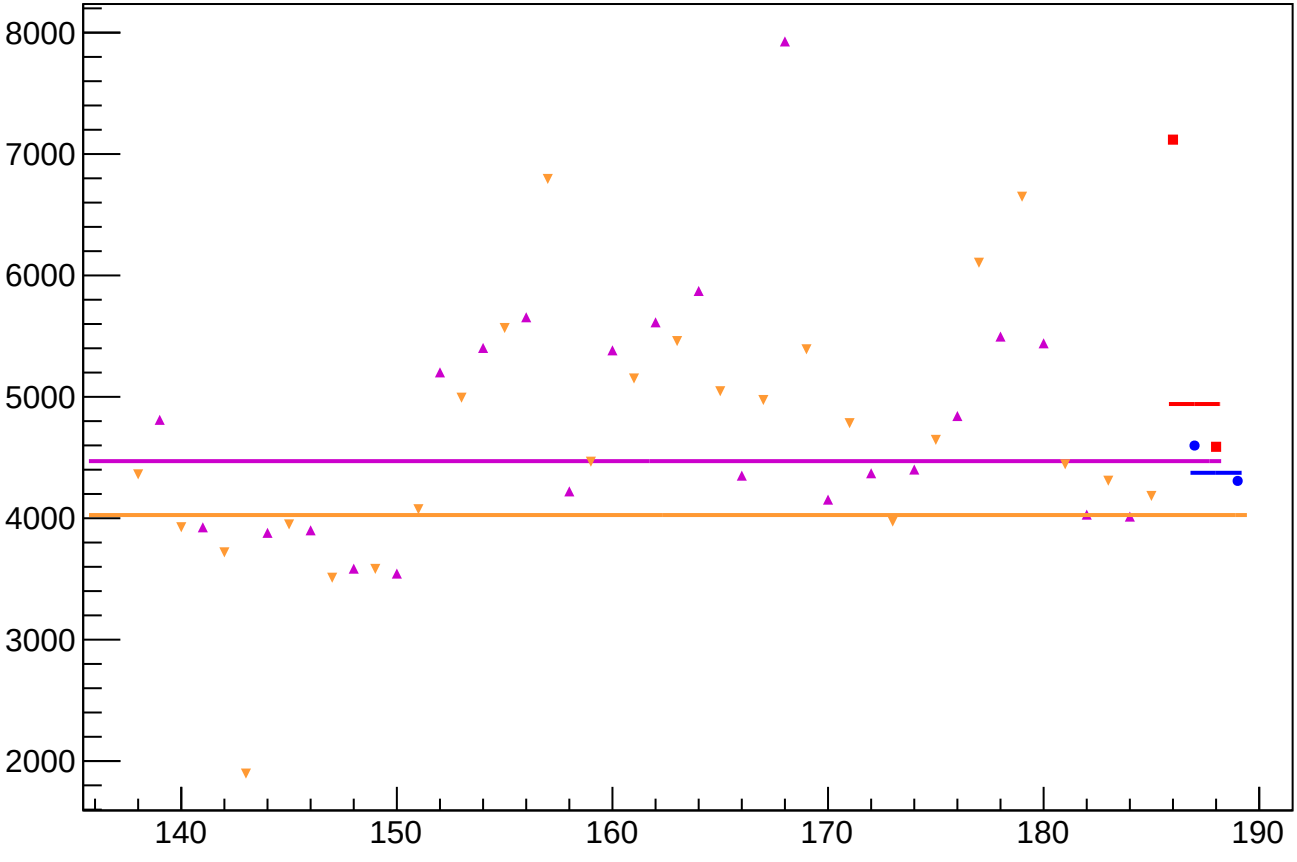
Right: 4037.622+/-3533.854 $\chi^2$/NDF: 6.9/3

In: -166.005+/-1066.005 $\chi^2$/NDF:16.2/24

Out: 307.015+/-966.494 $\chi^2$/NDF:37.0/26

All: 93.609+/-716.017 $\chi^2$/NDF: 53.3/51

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected




Right In: 4374.454+/-4.004 $\chi^2$/NDF: 933.0/1

Left Out: 4026.447+/-0.700 $\chi^2$/NDF:3071265.0/24

Right Out: 4940.974+/-3.198 $\chi^2$/NDF: 75022.0/1

Left In: 4470.490+/-0.768 $\chi^2$/NDF:1132495.2/22

Left: 4227.952+/-0.517 $\chi^2$/NDF: 4386588.9/47

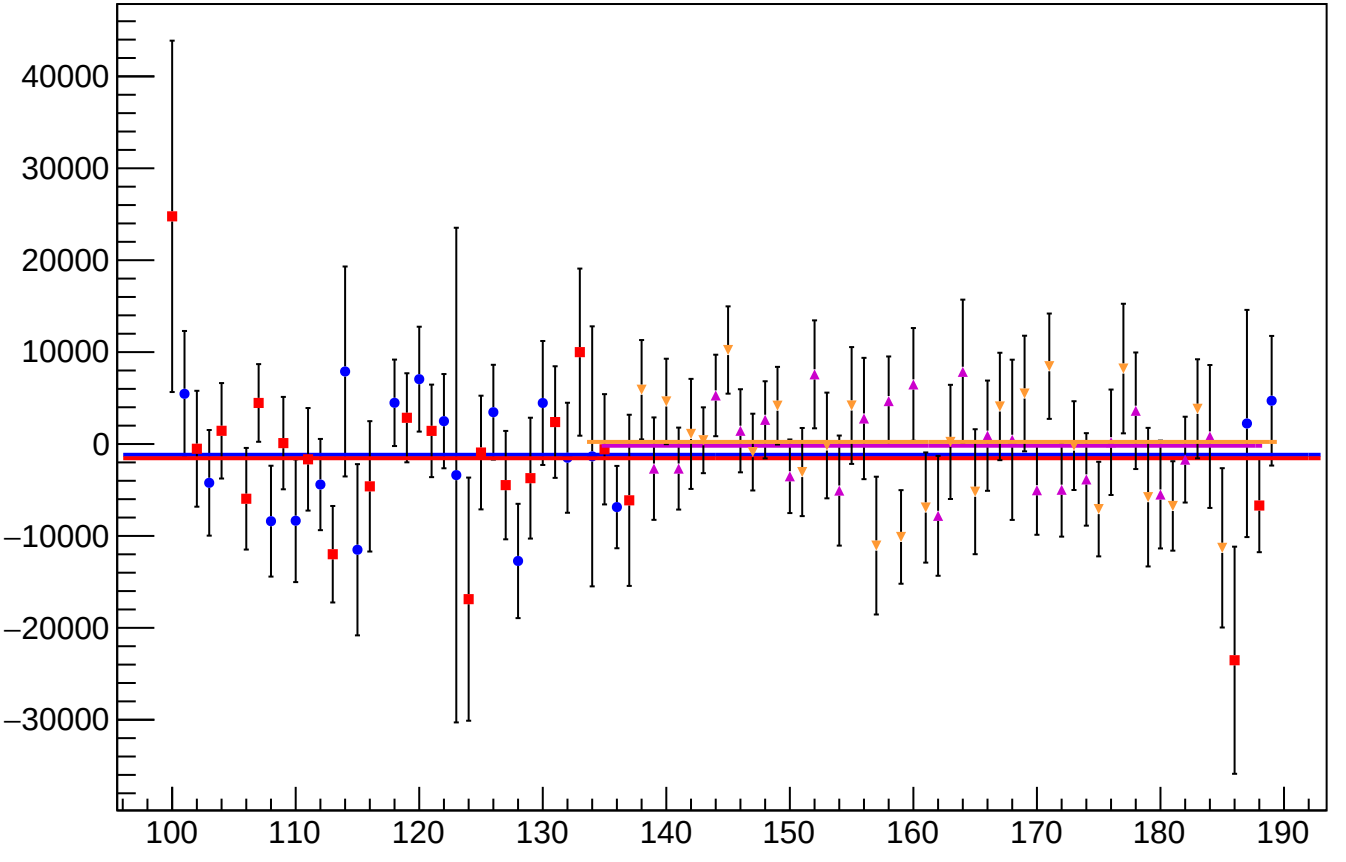
Right: 4720.307+/-2.499 $\chi^2$/NDF: 88177.5/3

In: 4467.086+/-0.754 $\chi^2$/NDF:1133983.2/24

Out: 4068.208+/-0.683 $\chi^2$/NDF:3224324.6/26

All: 4248.165+/-0.506 $\chi^2$/NDF: 4511995.7/51

# asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected




Right In: -1171.205+/-1456.137 $\chi^2$/NDF: 17.5/18

Left Out: 229.897+/-1073.528 $\chi^2$/NDF:28.1/24

Right Out: -1547.277+/-1323.057 $\chi^2$/NDF: 18.5/20

Left In: -185.280+/-1119.296 $\chi^2$/NDF:14.3/22

Left: 30.970+/-774.774 $\chi^2$/NDF: 42.5/47

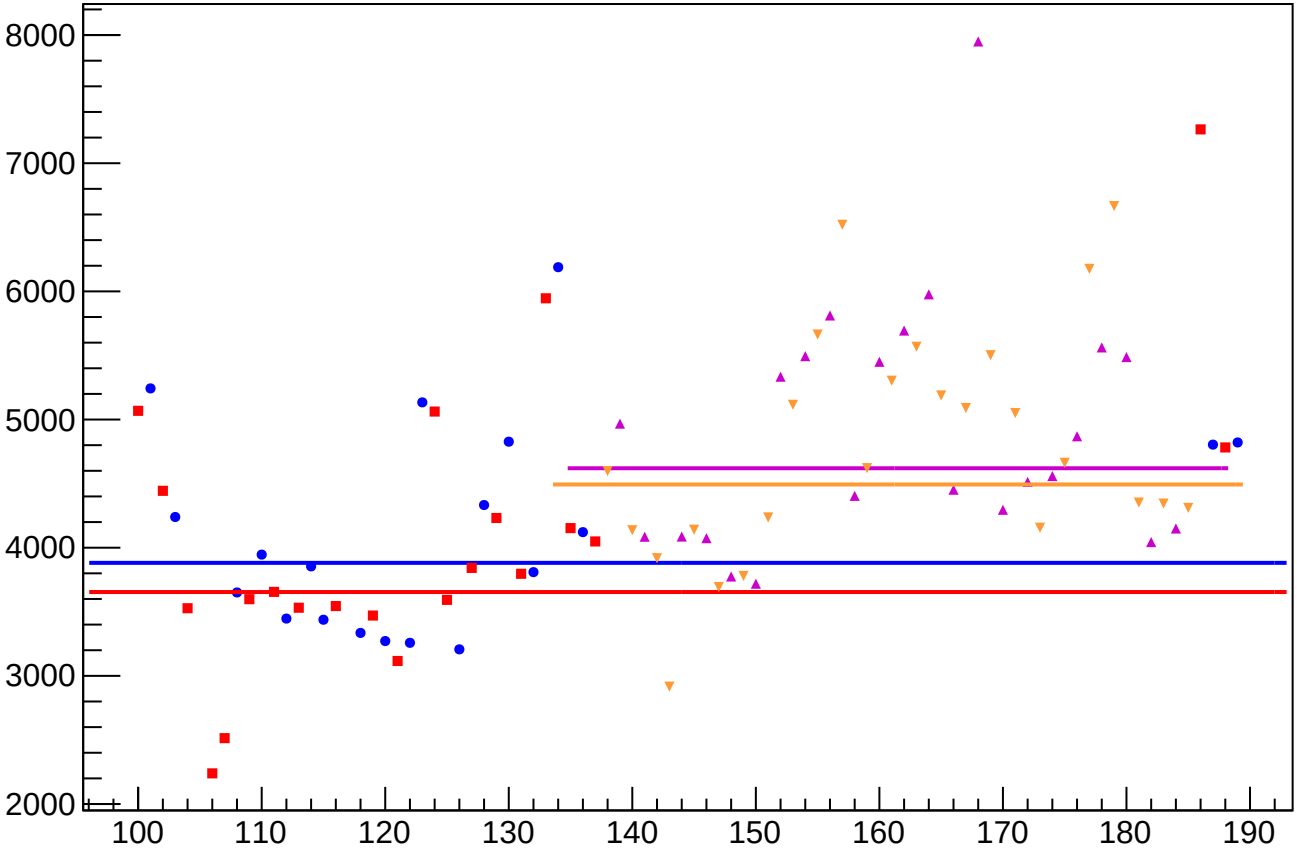
Right: -1377.208+/-979.218 $\chi^2$/NDF: 36.1/39

In: -551.462+/-887.419 $\chi^2$/NDF:32.0/41

Out: -475.638+/-833.629 $\chi^2$/NDF:47.7/45

All: -511.183+/-607.591 $\chi^2$/NDF: 79.8/87

# asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected




Right In: 3881.866+/-1.030 $\chi^2$/NDF: 383831.2/18

Left Out: 4493.314+/-0.759 $\chi^2$/NDF:1309134.5/24

Right Out: 3654.141+/-0.928 $\chi^2$/NDF: 841835.3/20

Left In: 4619.952+/-0.791 $\chi^2$/NDF:1001966.3/22

Left: 4553.991+/-0.548 $\chi^2$/NDF: 2324435.7/47

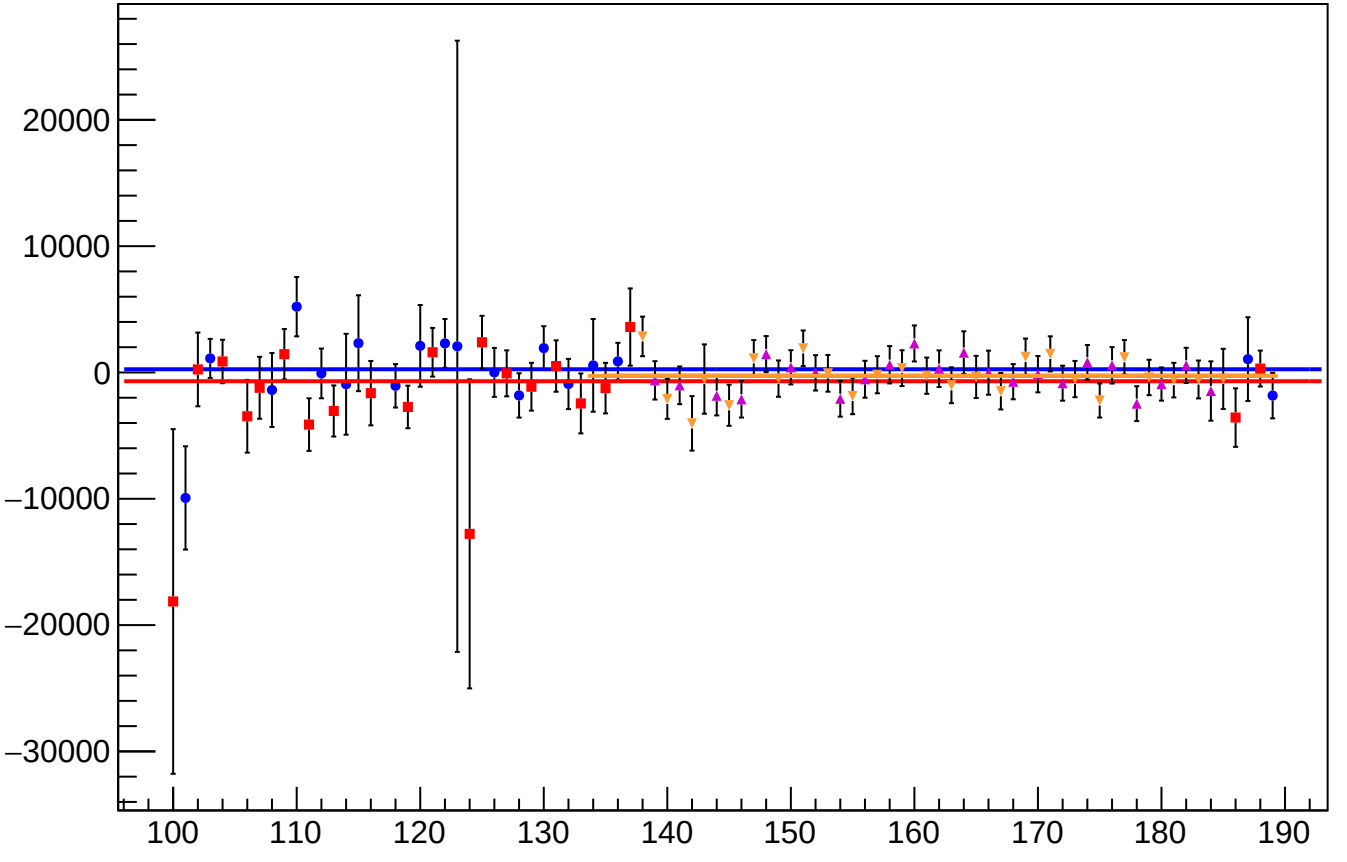
Right: 3756.178+/-0.689 $\chi^2$/NDF: 1252665.7/39

In: 4345.811+/-0.627 $\chi^2$/NDF:1708811.2/41

Out: 4156.778+/-0.587 $\chi^2$/NDF:2641071.2/45

All: 4245.077+/-0.429 $\chi^2$/NDF: 4398243.4/87

# dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected




Right In: 253.459+/-500.915 $\chi^2$/NDF: 18.0/18

Left Out: -270.523+/-302.030 $\chi^2$/NDF:22.2/24

Right Out: -692.880+/-470.242 $\chi^2$/NDF: 20.1/20

Left In: -258.285+/-305.289 $\chi^2$/NDF:16.0/22

Left: -264.470+/-214.711 $\chi^2$/NDF: 38.2/47

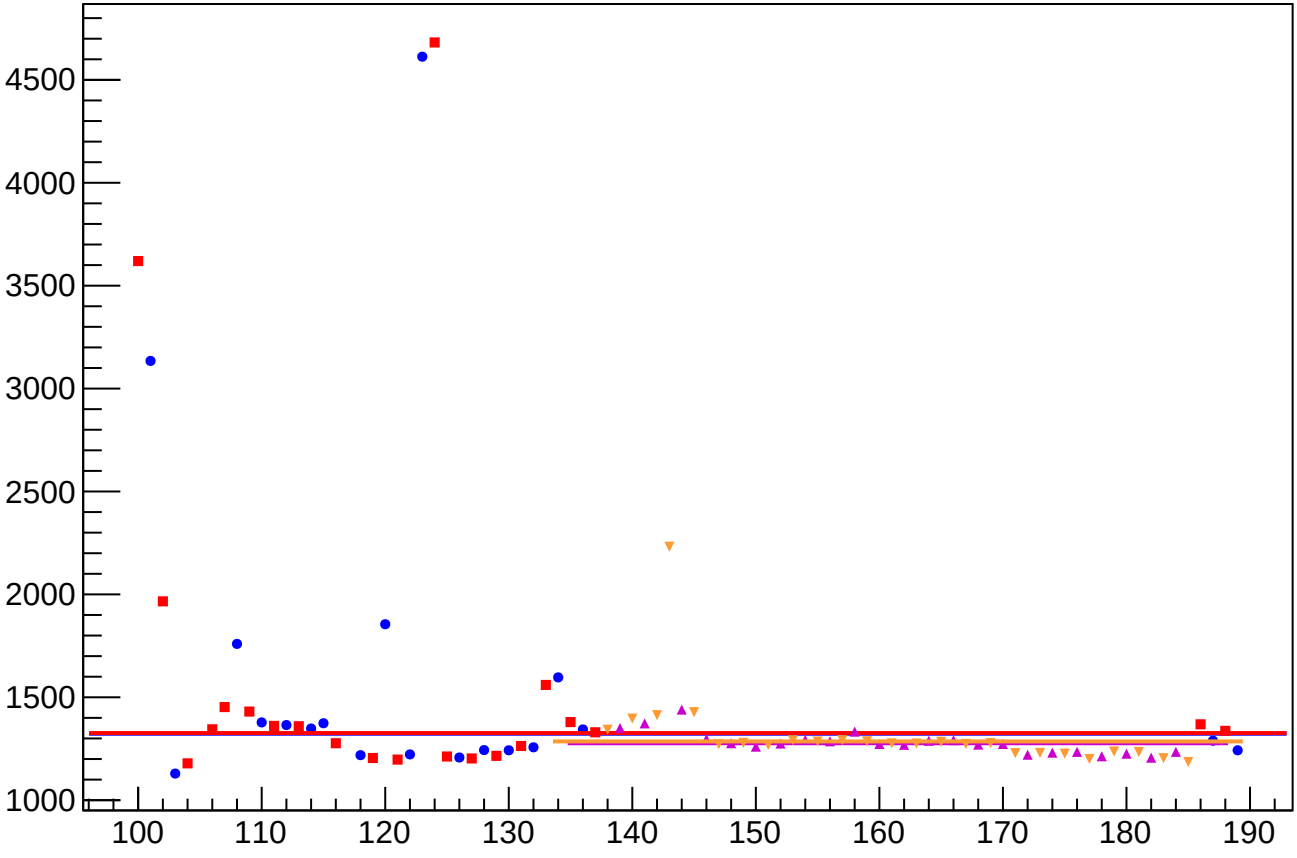
Right: -249.570+/-342.843 $\chi^2$/NDF: 40.0/39

In: -119.683+/-260.689 $\chi^2$/NDF:34.8/41

Out: -393.873+/-254.127 $\chi^2$/NDF:42.8/45

All: -260.272+/-181.971 $\chi^2$/NDF: 78.2/87

# dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected




Right In: 1323.122+/-0.354 $\chi^2$/NDF: 608112.6/18

Left Out: 1285.574+/-0.214 $\chi^2$/NDF:306057.6/24

Right Out: 1326.157+/-0.333 $\chi^2$/NDF: 395294.5/20

Left In: 1276.755+/-0.216 $\chi^2$/NDF:59434.2/22

Left: 1281.212+/-0.152 $\chi^2$/NDF: 366335.3/47

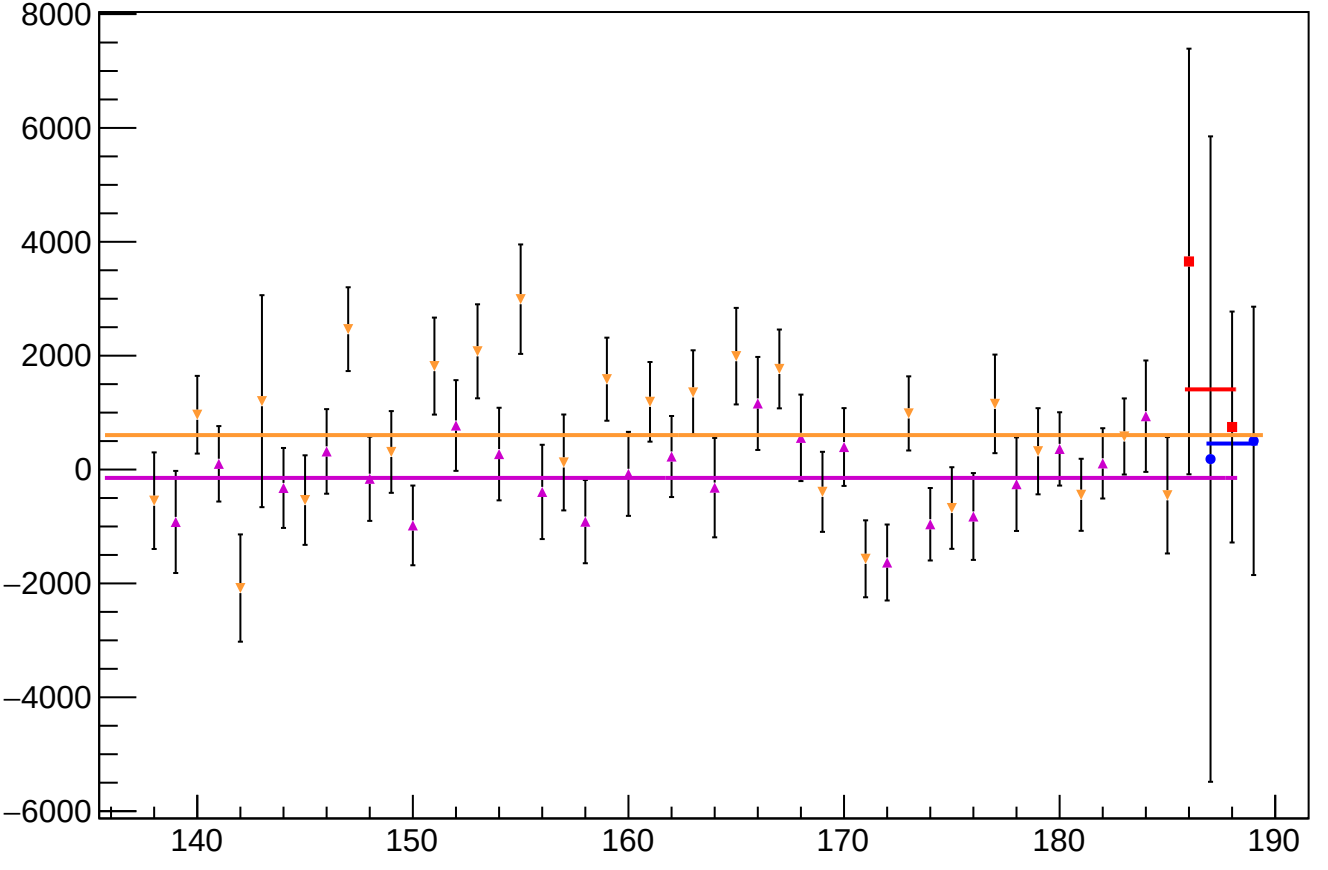
Right: 1324.735+/-0.242 $\chi^2$/NDF: 1003446.1/39

In: 1289.313+/-0.184 $\chi^2$/NDF:680041.7/41

Out: 1297.427+/-0.180 $\chi^2$/NDF:711897.9/45

All: 1293.473+/-0.129 $\chi^2$/NDF: 1392933.0/87

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected




Right In: 456.645+/-2176.030 $\chi^2$/NDF: 0.0/1

Left Out: 605.167+/-153.922 $\chi^2$/NDF:60.0/24

Right Out: 1408.116+/-1782.540 $\chi^2$/NDF: 0.5/1

Left In: -147.044+/-154.051 $\chi^2$/NDF:19.4/22

Left: 229.377+/-108.885 $\chi^2$/NDF: 91.3/47

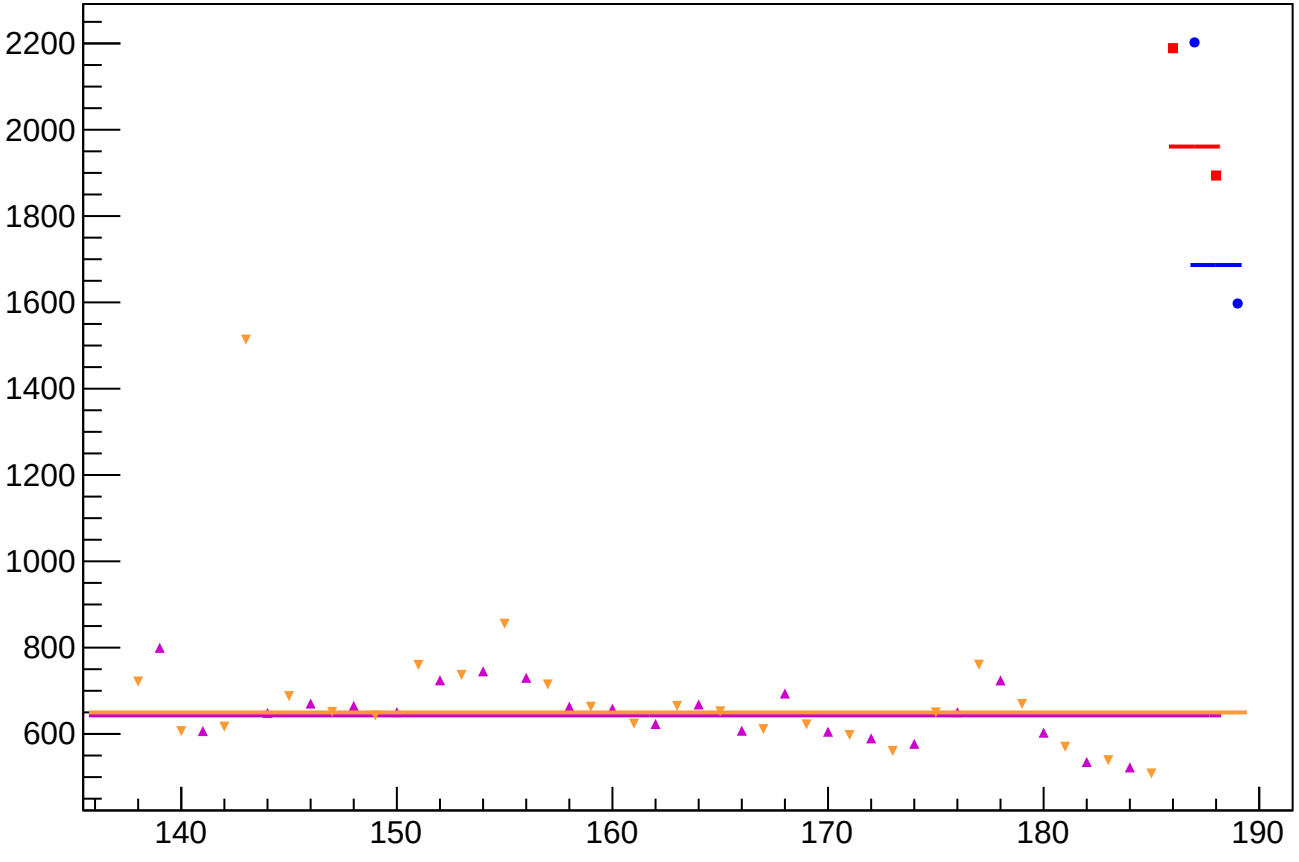
Right: 1026.033+/-1378.941 $\chi^2$/NDF: 0.6/3

In: -144.034+/-153.667 $\chi^2$/NDF:19.4/24

Out: 611.109+/-153.351 $\chi^2$/NDF:60.6/26

All: 234.313+/-108.547 $\chi^2$/NDF: 92.2/51

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected




Right In: 1686.570+/-1.539 $\chi^2$/NDF: 19427.8/1

Left Out: 649.866+/-0.109 $\chi^2$/NDF:840823.5/24

Right Out: 1961.075+/-1.260 $\chi^2$/NDF: 9631.8/1

Left In: 643.008+/-0.109 $\chi^2$/NDF:323844.6/22

Left: 646.440+/-0.077 $\chi^2$/NDF: 1166651.7/47

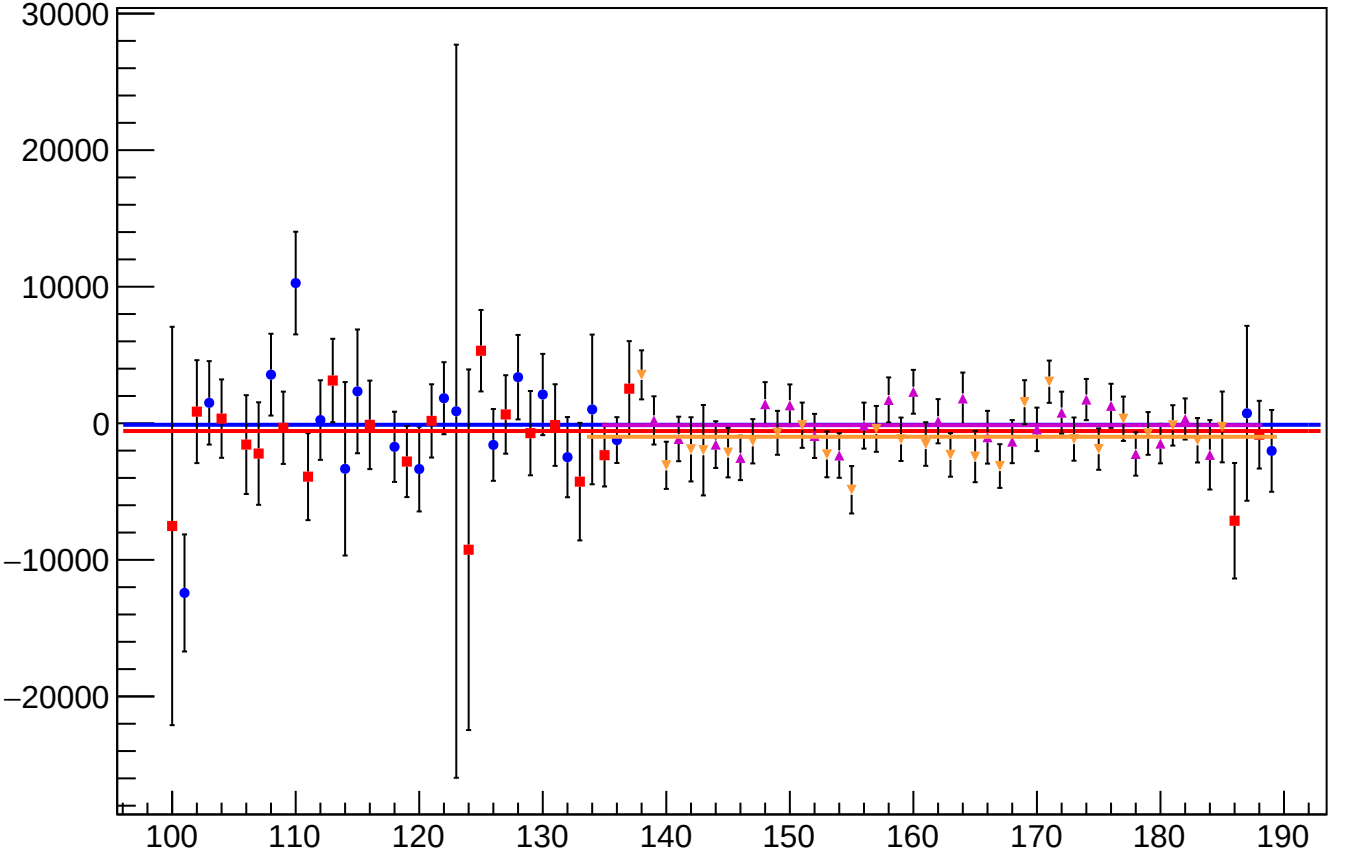
Right: 1850.842+/-0.975 $\chi^2$/NDF: 48106.1/3

In: 648.212+/-0.109 $\chi^2$/NDF:800956.0/24

Out: 659.571+/-0.108 $\chi^2$/NDF:1924615.5/26

All: 653.903+/-0.077 $\chi^2$/NDF: 2731046.3/51

# asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected




Right In: -109.094+/-718.463 $\chi^2$/NDF: 24.0/18

Left Out: -987.247+/-339.757 $\chi^2$/NDF:28.5/24

Right Out: -566.283+/-694.040 $\chi^2$/NDF: 13.2/20

Left In: -137.780+/-342.262 $\chi^2$/NDF:18.8/22

Left: -565.633+/-241.125 $\chi^2$/NDF: 50.4/47

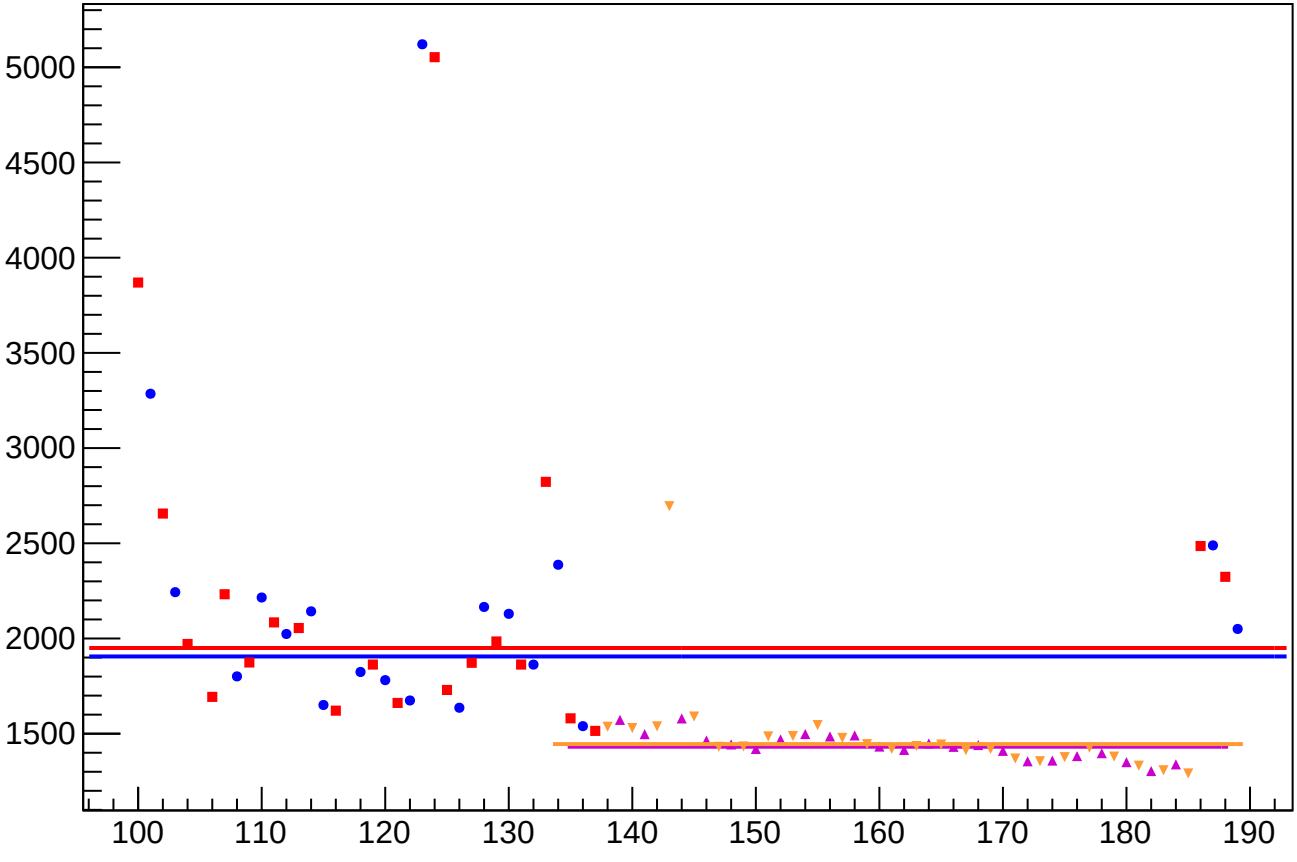
Right: -345.592+/-499.171 $\chi^2$/NDF: 37.4/39

In: -132.474+/-308.992 $\chi^2$/NDF:42.8/41

Out: -905.867+/-305.154 $\chi^2$/NDF:42.0/45

All: -524.003+/-217.121 $\chi^2$/NDF: 88.0/87

# asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected




Right In: 1905.649+/-0.508 $\chi^2$/NDF: 488120.4/18

Left Out: 1445.418+/-0.240 $\chi^2$/NDF:374859.2/24

Right Out: 1950.088+/-0.491 $\chi^2$/NDF: 547805.1/20

Left In: 1431.663+/-0.242 $\chi^2$/NDF:77792.5/22

Left: 1438.591+/-0.171 $\chi^2$/NDF: 454278.6/47

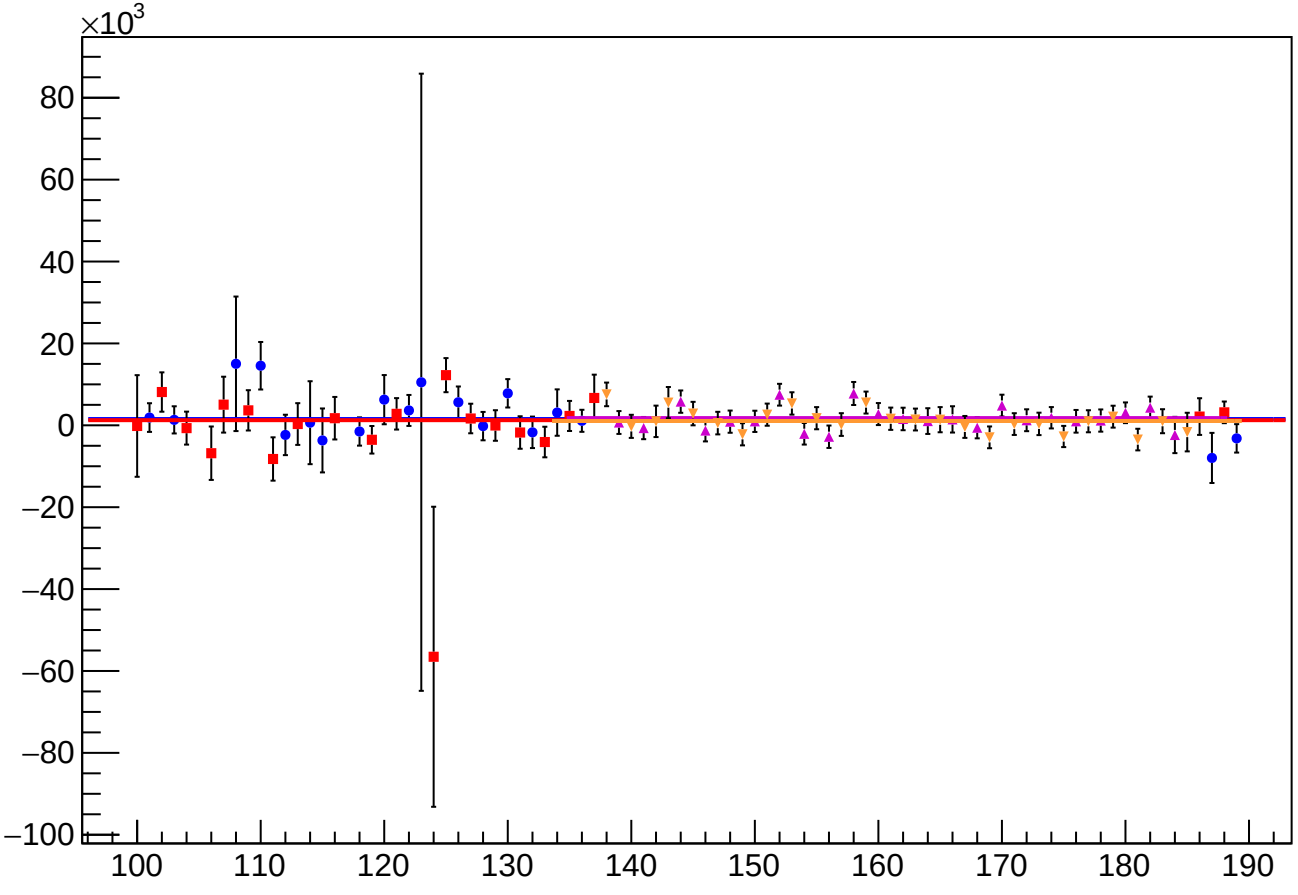
Right: 1928.637+/-0.353 $\chi^2$/NDF: 1039883.6/39

In: 1519.334+/-0.218 $\chi^2$/NDF:1275384.8/41

Out: 1542.981+/-0.216 $\chi^2$/NDF:1775744.0/45

All: 1531.305+/-0.154 $\chi^2$/NDF: 3057059.1/87

# dit_asym_atl1_mean vs Slug, Sign Corrected




Right In: 1530.358+/-982.681 $\chi^2$/NDF: 18.3/18

Left Out: 1057.276+/-566.243 $\chi^2$/NDF:22.7/24

Right Out: 1255.333+/-951.143 $\chi^2$/NDF: 23.6/20

Left In: 1762.122+/-574.660 $\chi^2$/NDF:23.2/22

Left: 1404.499+/-403.337 $\chi^2$/NDF: 46.7/47

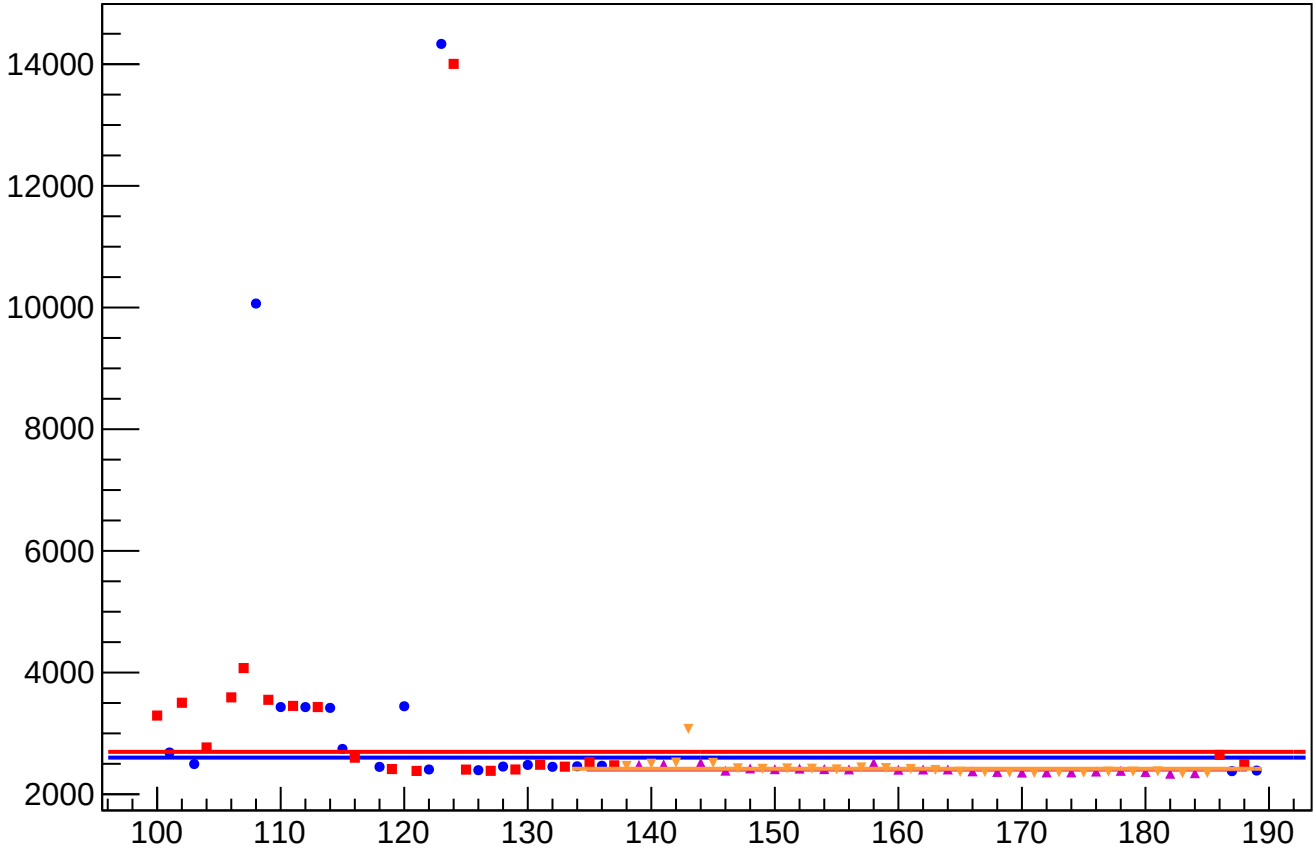
Right: 1388.361+/-683.437 $\chi^2$/NDF: 41.9/39

In: 1703.061+/-496.065 $\chi^2$/NDF:41.5/41

Out: 1109.102+/-486.549 $\chi^2$/NDF:46.3/45

All: 1400.331+/-347.357 $\chi^2$/NDF: 88.5/87

# dit_asym_atl1_rms vs Slug, Sign Corrected




Right In: 2602.085+/-0.695 $\chi^2$/NDF: 655749.5/18

Left Out: 2418.972+/-0.400 $\chi^2$/NDF:74779.7/24

Right Out: 2696.717+/-0.673 $\chi^2$/NDF: 612421.5/20

Left In: 2406.443+/-0.406 $\chi^2$/NDF:15245.2/22

Left: 2412.800+/-0.285 $\chi^2$/NDF: 90507.2/47

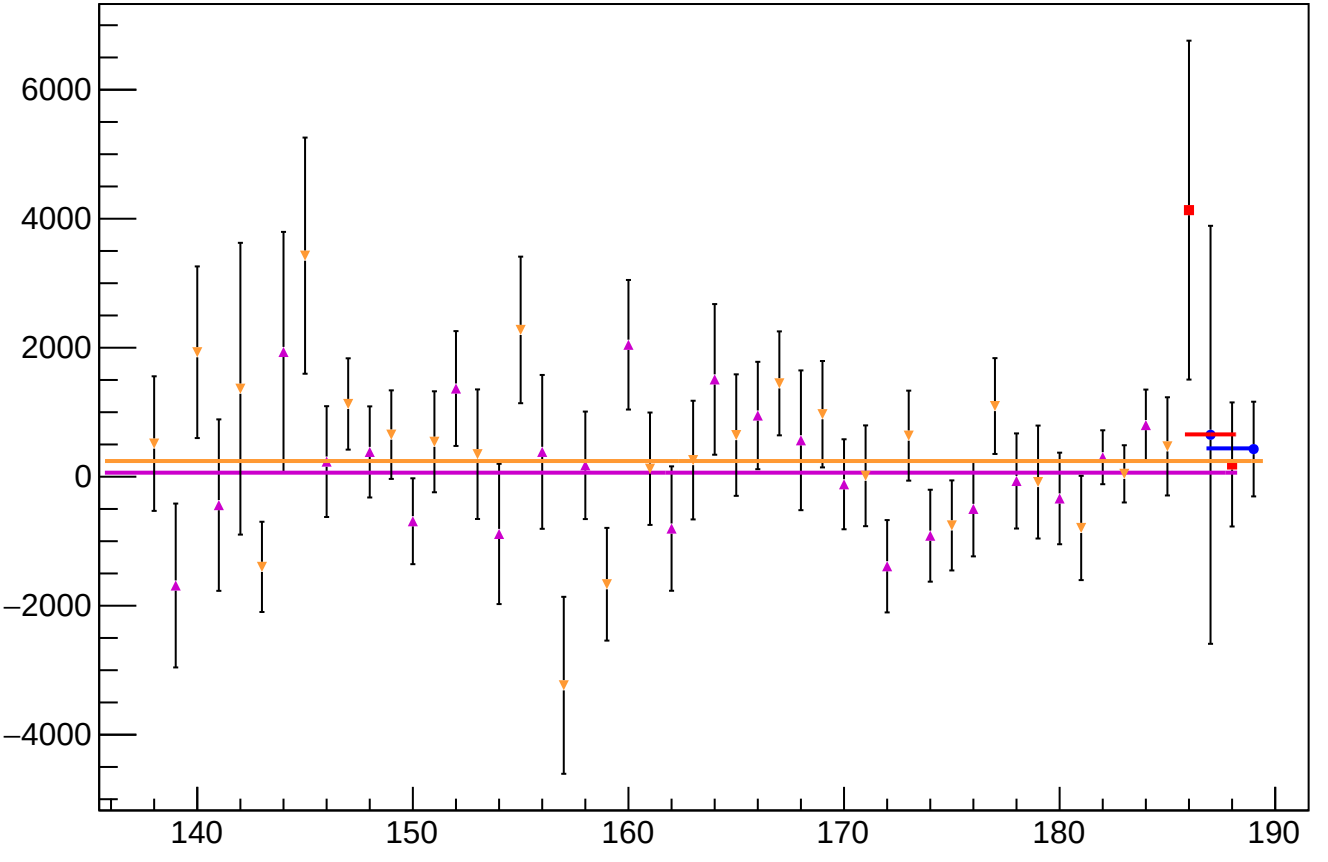
Right: 2650.944+/-0.483 $\chi^2$/NDF: 1277746.9/39

In: 2456.299+/-0.351 $\chi^2$/NDF:730067.1/41

Out: 2491.651+/-0.344 $\chi^2$/NDF:813116.0/45

All: 2474.317+/-0.246 $\chi^2$/NDF: 1548360.2/87

# asym_atl1_correction_mean vs Slug, Sign Corrected




Right In: 439.428+/-715.917 $\chi^2$/NDF: 0.0/1

Left Out: 243.135+/-163.940 $\chi^2$/NDF:36.0/24

Right Out: 656.181+/-903.191 $\chi^2$/NDF: 2.0/1

Left In: 62.569+/-164.169 $\chi^2$/NDF:24.3/22

Left: 152.978+/-116.004 $\chi^2$/NDF: 60.9/47

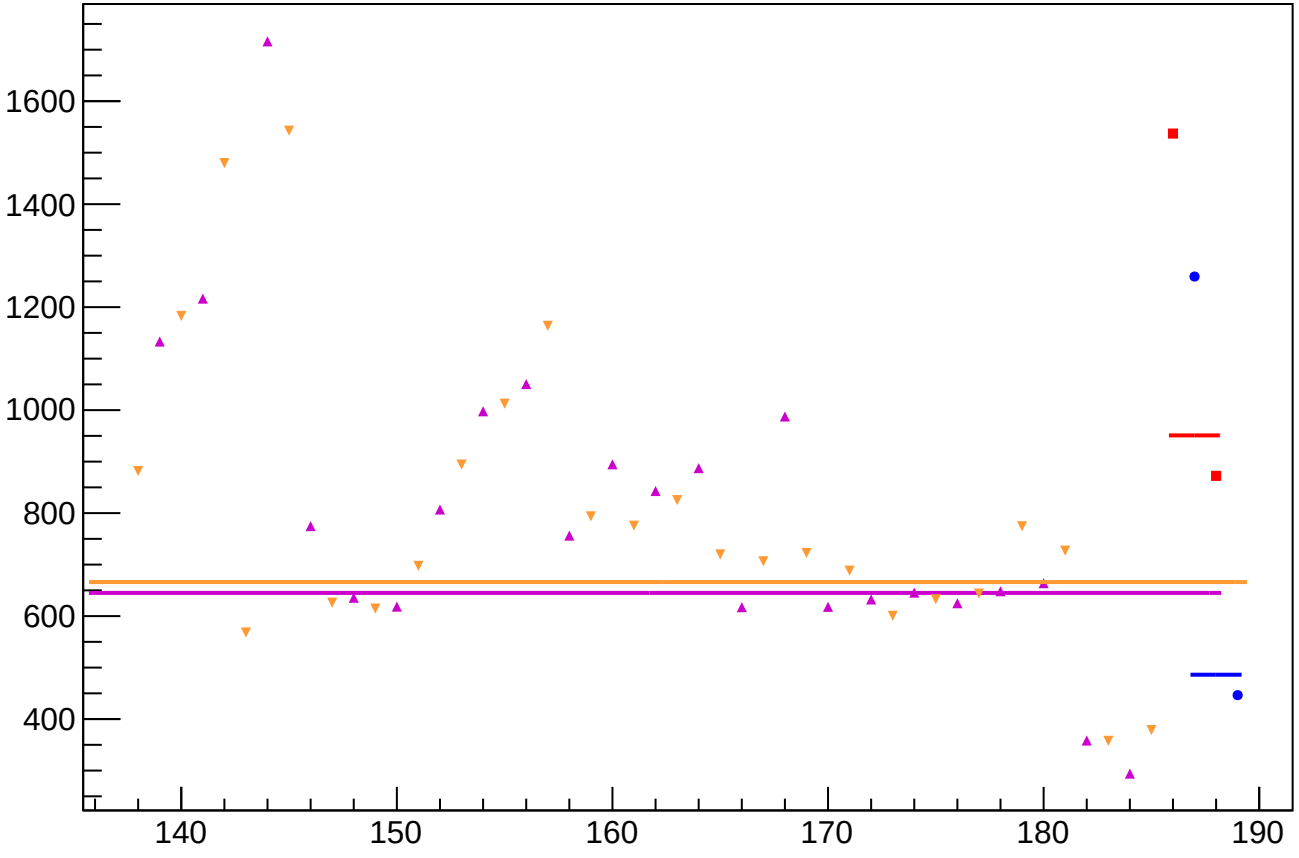
Right: 523.065+/-561.042 $\chi^2$/NDF: 2.0/3

In: 81.396+/-160.016 $\chi^2$/NDF:24.5/24

Out: 256.310+/-161.305 $\chi^2$/NDF:38.2/26

All: 168.151+/-113.601 $\chi^2$/NDF: 63.3/51

# asym_atl1_correction_rms vs Slug, Sign Corrected




Right In: 486.157+/-0.506 $\chi^2$/NDF: 119730.6/1

Left Out: 666.133+/-0.116 $\chi^2$/NDF:3190574.7/24

Right Out: 950.939+/-0.639 $\chi^2$/NDF: 112892.8/1

Left In: 645.011+/-0.116 $\chi^2$/NDF:4176295.6/22

Left: 655.587+/-0.082 $\chi^2$/NDF: 7383446.0/47

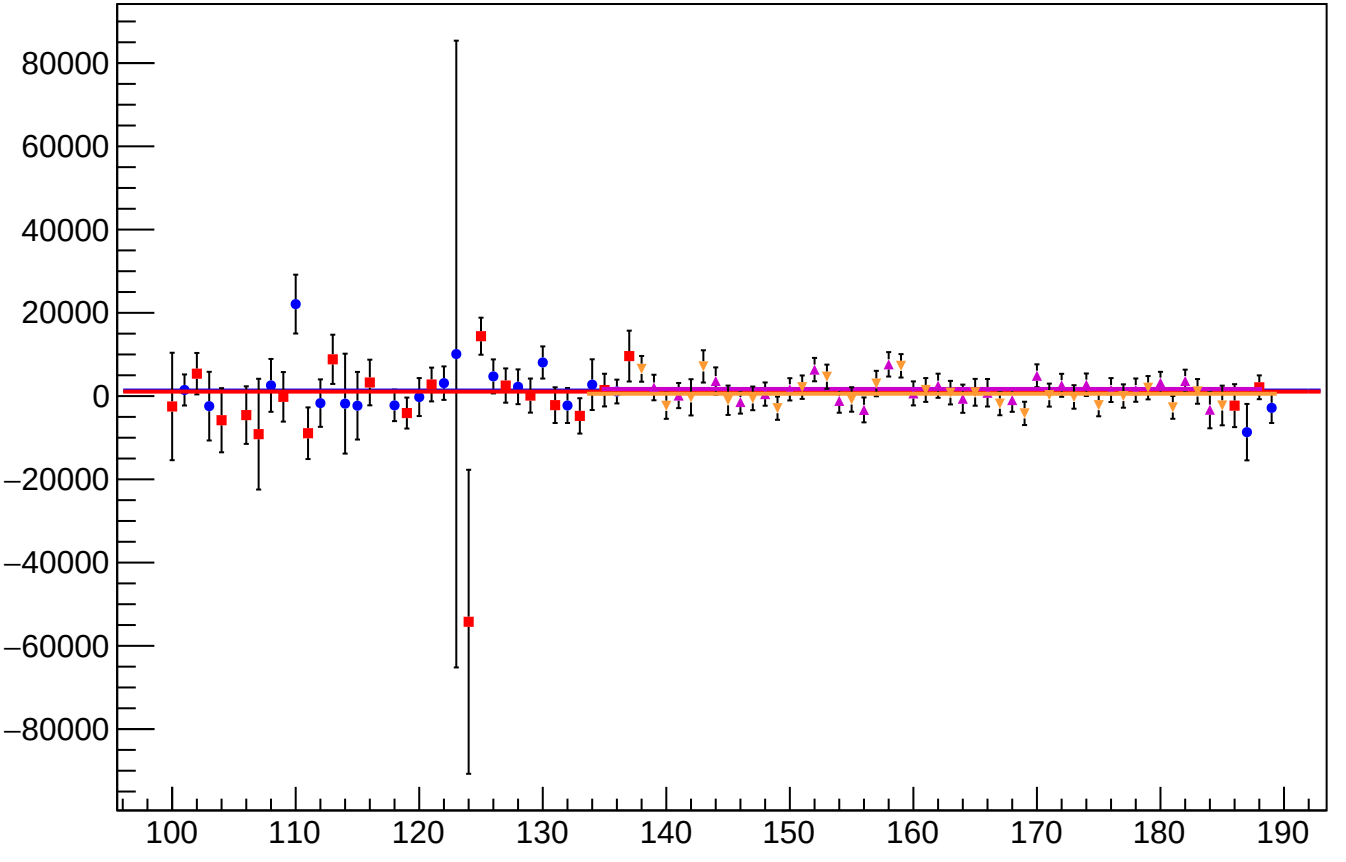
Right: 665.498+/-0.397 $\chi^2$/NDF: 557887.2/3

In: 637.075+/-0.113 $\chi^2$/NDF:4389577.2/24

Out: 675.217+/-0.114 $\chi^2$/NDF:3495994.2/26

All: 655.993+/-0.080 $\chi^2$/NDF: 7941931.8/51

# asym_atl1_mean vs Slug, Sign Corrected




Right In: 1330.897+/-1083.414 $\chi^2$/NDF: 18.7/18

Left Out: 566.778+/-598.308 $\chi^2$/NDF:25.2/24

Right Out: 1079.925+/-1072.125 $\chi^2$/NDF: 25.9/20

Left In: 1713.317+/-607.775 $\chi^2$/NDF:18.1/22

Left: 1131.048+/-426.375 $\chi^2$/NDF: 45.0/47

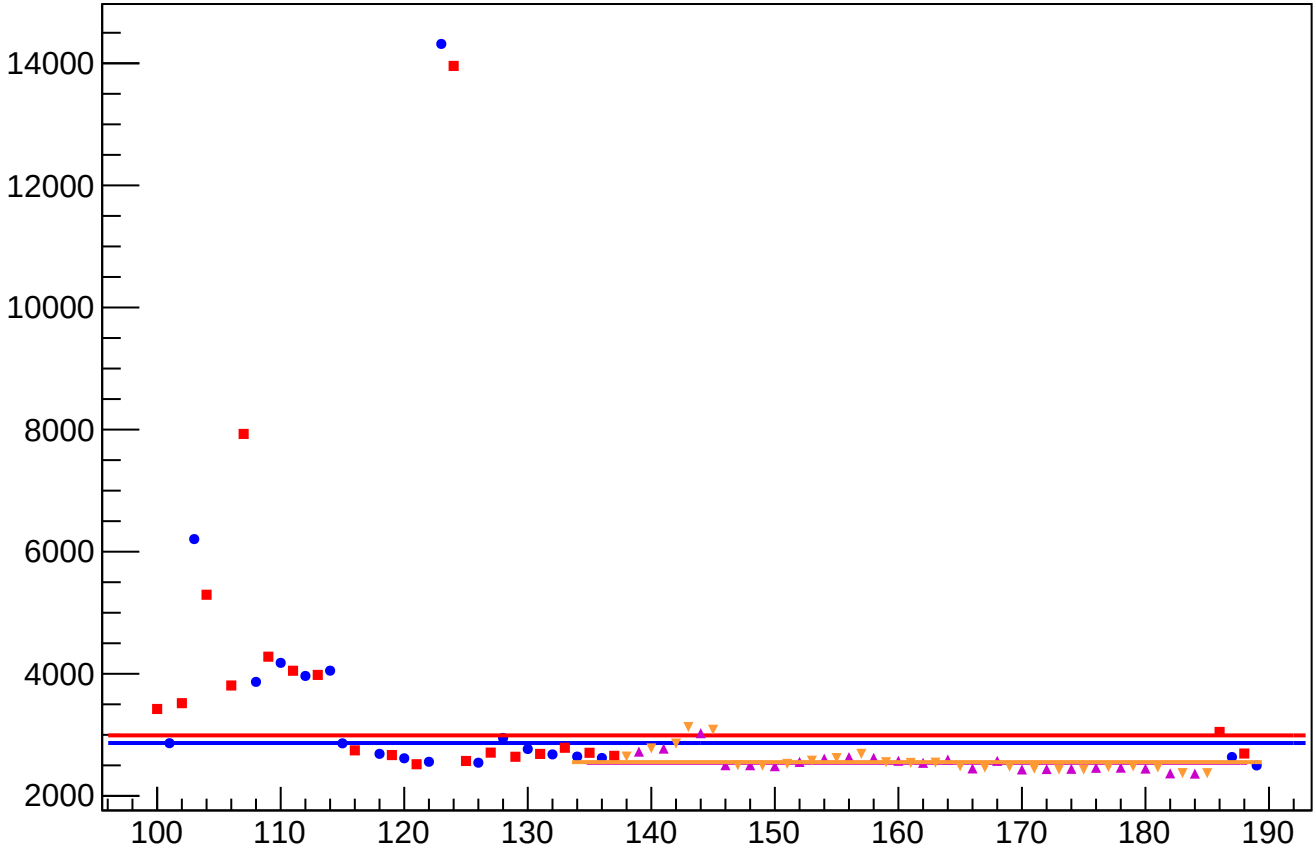
Right: 1204.097+/-762.067 $\chi^2$/NDF: 44.6/39

In: 1621.777+/-530.066 $\chi^2$/NDF:36.8/41

Out: 688.637+/-522.459 $\chi^2$/NDF:51.2/45

All: 1148.463+/-372.095 $\chi^2$/NDF: 89.7/87

# asym_atl1_rms vs Slug, Sign Corrected




Right In: 2866.119+/-0.766 $\chi^2$/NDF: 667569.4/18

Left Out: 2553.097+/-0.423 $\chi^2$/NDF:148430.5/24

Right Out: 2990.970+/-0.758 $\chi^2$/NDF: 1036408.9/20

Left In: 2541.950+/-0.430 $\chi^2$/NDF:97238.4/22

Left: 2547.611+/-0.301 $\chi^2$/NDF: 246010.6/47

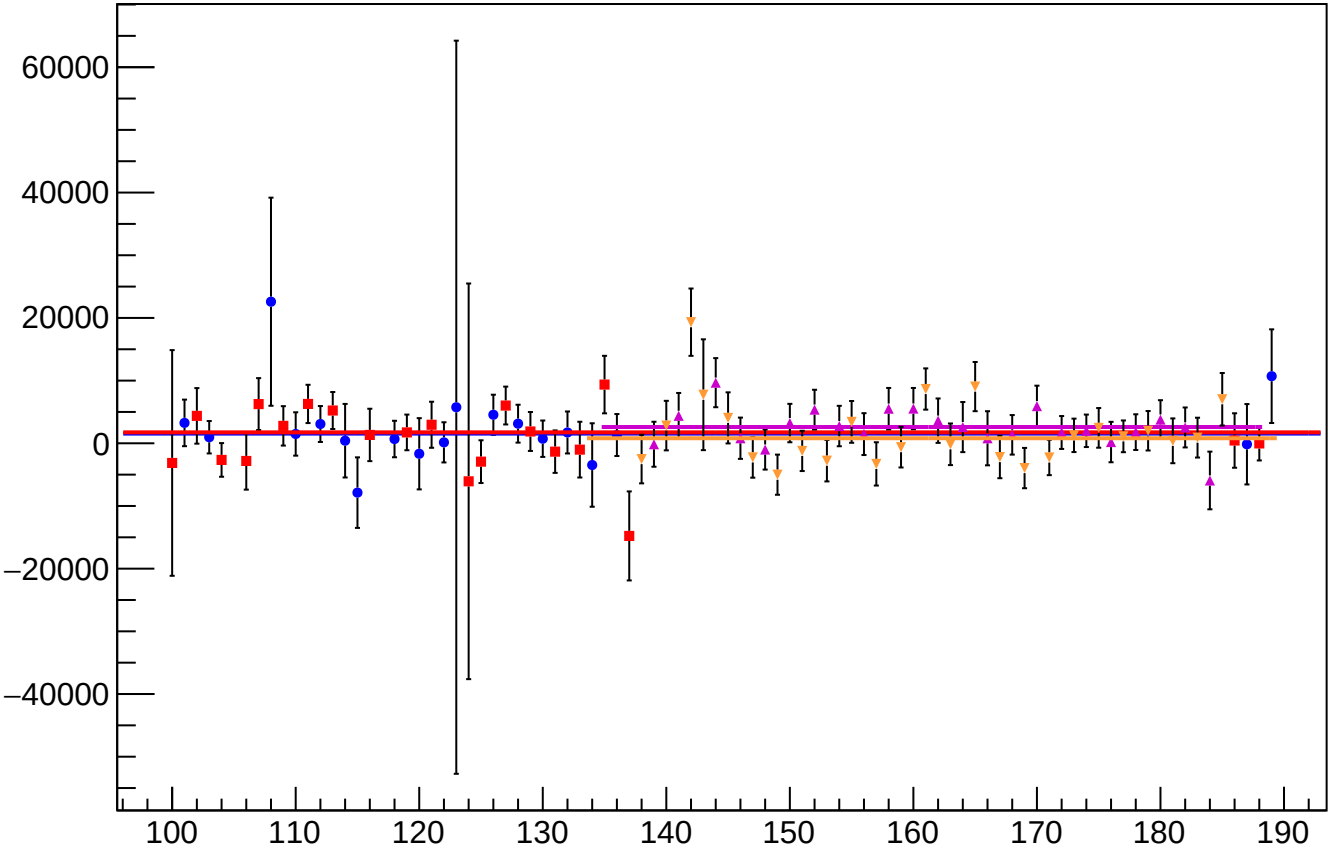
Right: 2929.199+/-0.539 $\chi^2$/NDF: 1717397.3/39

In: 2619.546+/-0.375 $\chi^2$/NDF:901002.3/41

Out: 2657.080+/-0.369 $\chi^2$/NDF:1439224.3/45

All: 2638.584+/-0.263 $\chi^2$/NDF: 2345312.9/87

# dit_asym_atl2_mean vs Slug, Sign Corrected




Right In: 1548.918+/-874.536 $\chi^2$/NDF: 9.0/18

Left Out: 807.297+/-677.513 $\chi^2$/NDF:39.1/24

Right Out: 1745.933+/-797.831 $\chi^2$/NDF: 23.0/20

Left In: 2595.551+/-683.824 $\chi^2$/NDF:14.0/22

Left: 1693.134+/-481.290 $\chi^2$/NDF: 56.6/47

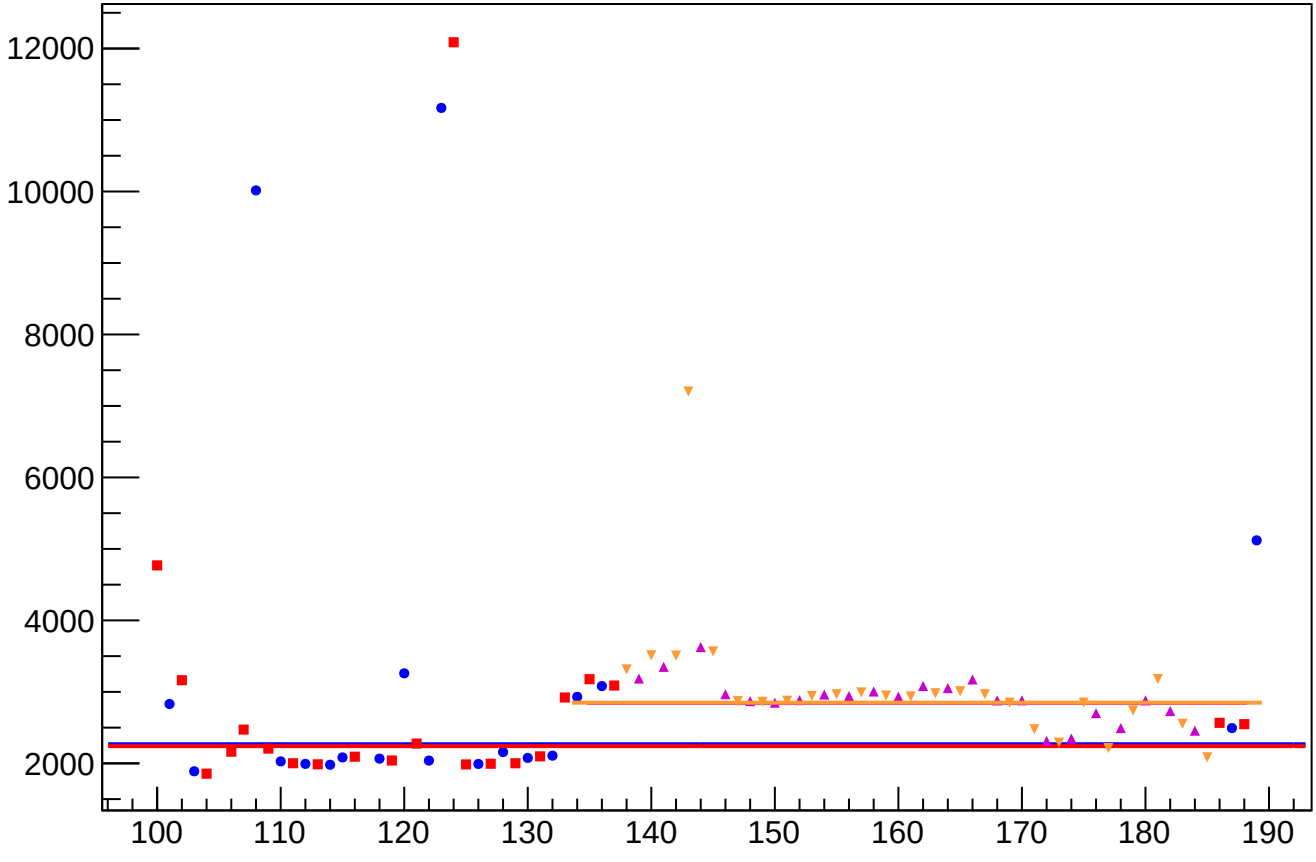
Right: 1656.443+/-589.408 $\chi^2$/NDF: 32.0/39

In: 2198.432+/-538.693 $\chi^2$/NDF:23.9/41

Out: 1200.573+/-516.429 $\chi^2$/NDF:62.9/45

All: 1678.456+/-372.793 $\chi^2$/NDF: 88.6/87

# dit_asym_atl2_rms vs Slug, Sign Corrected




Right In: 2267.855+/-0.618 $\chi^2$/NDF: 1149276.6/18

Left Out: 2849.256+/-0.479 $\chi^2$/NDF:1034478.3/24

Right Out: 2241.325+/-0.564 $\chi^2$/NDF: 644304.0/20

Left In: 2844.779+/-0.484 $\chi^2$/NDF:383776.8/22

Left: 2847.038+/-0.340 $\chi^2$/NDF: 1418298.4/47

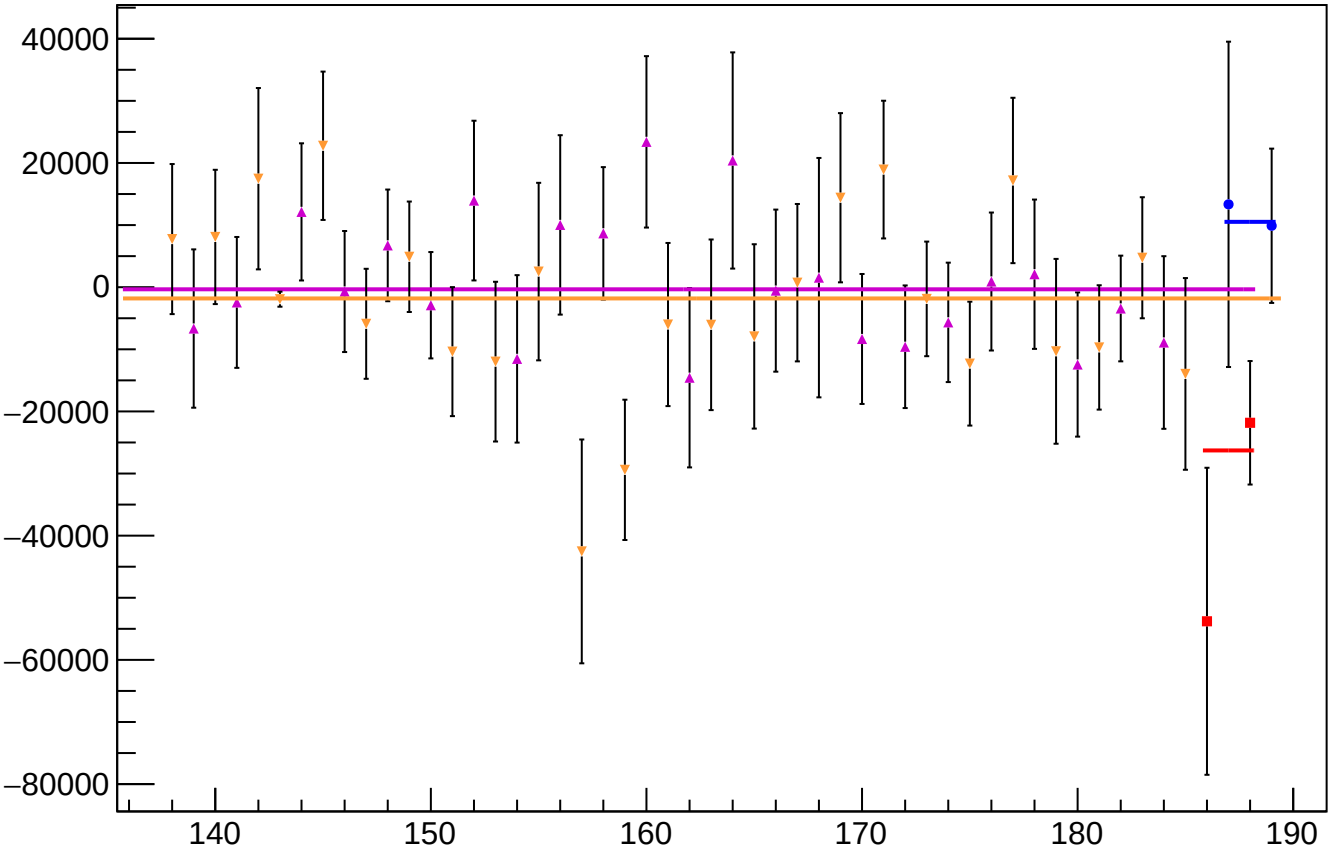
Right: 2253.367+/-0.417 $\chi^2$/NDF: 1794585.7/39

In: 2625.879+/-0.381 $\chi^2$/NDF:2073191.9/41

Out: 2594.352+/-0.365 $\chi^2$/NDF:2353970.7/45

All: 2609.446+/-0.264 $\chi^2$/NDF: 4430733.1/87

# asym_atl2_correction_mean vs Slug, Sign Corrected




Right In: 10521.291+/-11222.668 $\chi^2$/NDF: 0.0/1

Left Out: -1810.593+/-1078.173 $\chi^2$/NDF:31.2/24

Right Out: -26280.630+/-9223.680 $\chi^2$/NDF: 1.4/1

Left In: -339.260+/-2365.986 $\chi^2$/NDF:14.2/22

Left: -1557.594+/-981.106 $\chi^2$/NDF: 45.7/47

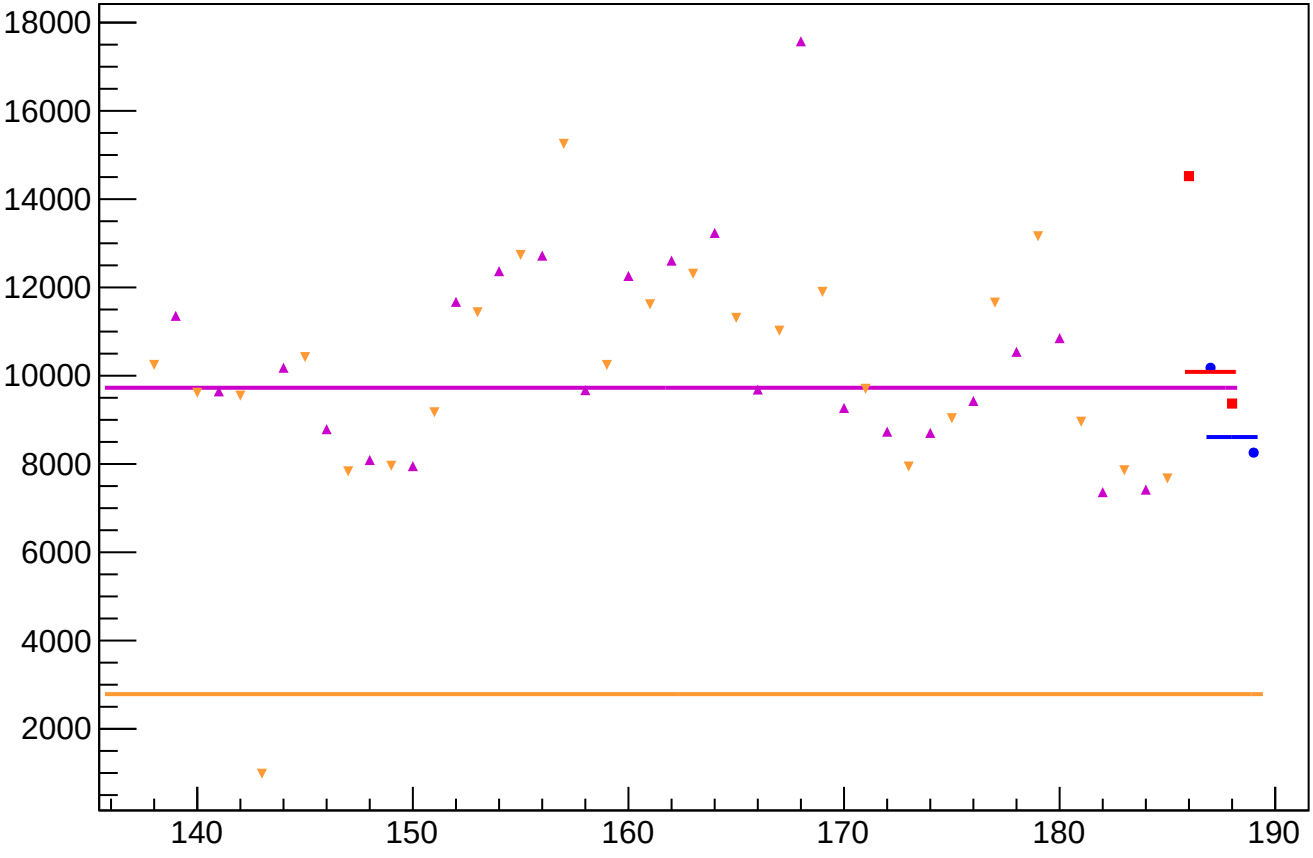
Right: -11443.636+/-7125.803 $\chi^2$/NDF: 7.9/3

In: 122.906+/-2315.097 $\chi^2$/NDF:15.1/24

Out: -2140.438+/-1070.882 $\chi^2$/NDF:39.6/26

All: -1741.515+/-971.937 $\chi^2$/NDF: 55.5/51

# asym_atl2_correction_rms vs Slug, Sign Corrected




Right In: 8610.592+/-7.936 $\chi^2$/NDF: 8795.1/1

Left Out: 2786.461+/-0.762 $\chi^2$/NDF:22863045.3/24

Right Out: 10087.054+/-6.522 $\chi^2$/NDF: 74814.8/1

Left In: 9727.255+/-1.673 $\chi^2$/NDF:1261406.7/22

Left: 3979.946+/-0.694 $\chi^2$/NDF: 38376569.5/47

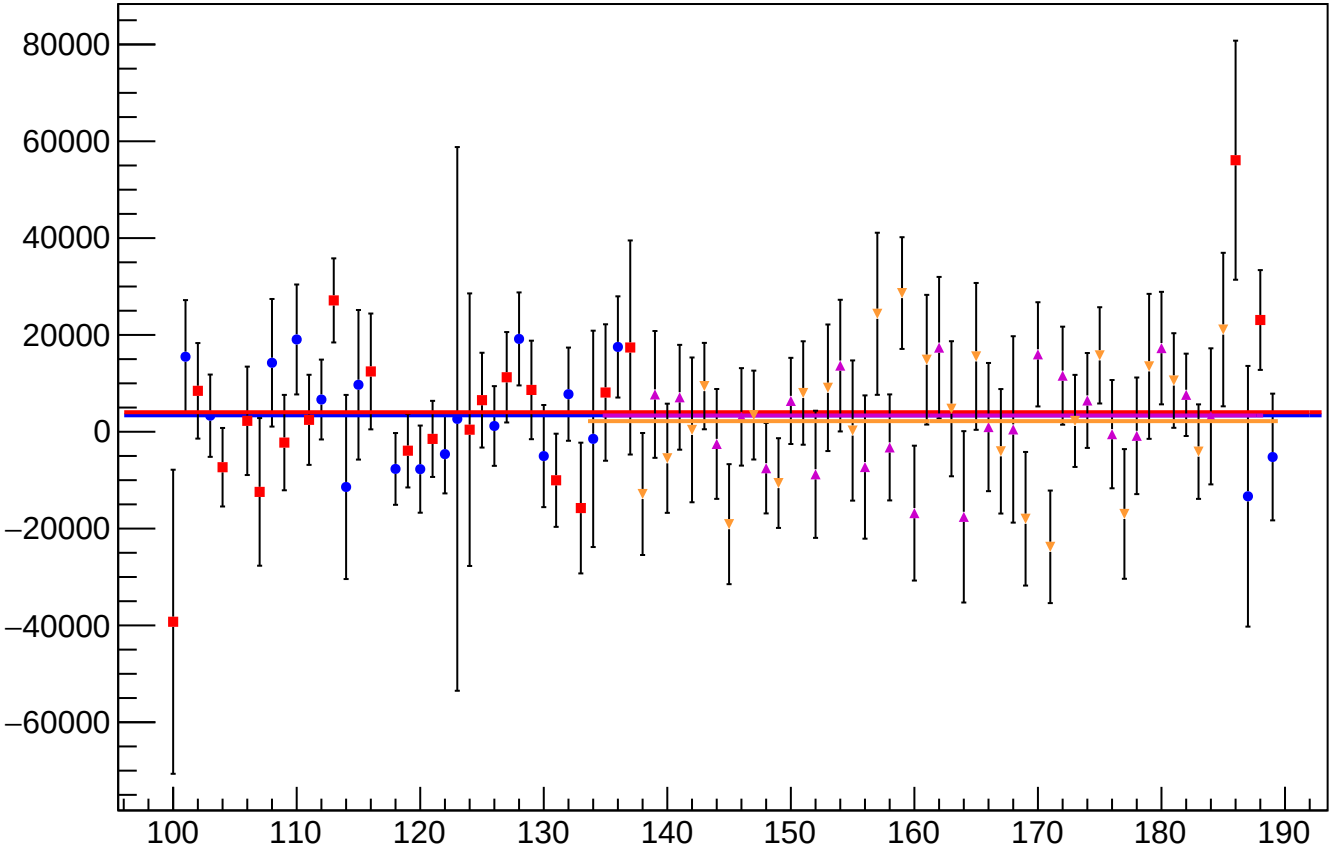
Right: 9491.806+/-5.039 $\chi^2$/NDF: 104270.5/3

In: 9679.736+/-1.637 $\chi^2$/NDF:1289160.0/24

Out: 2884.869+/-0.757 $\chi^2$/NDF:24173932.6/26

All: 4082.489+/-0.687 $\chi^2$/NDF: 39655204.6/5

# asym_atl2_mean vs Slug, Sign Corrected




Right In: 3398.132+/-2453.667 $\chi^2$/NDF: 15.6/18

Left Out: 2192.629+/-2346.604 $\chi^2$/NDF:31.2/24

Right Out: 4034.730+/-2346.477 $\chi^2$/NDF: 28.3/20

Left In: 3362.489+/-2413.842 $\chi^2$/NDF:12.8/22

Left: 2761.039+/-1682.568 $\chi^2$/NDF: 44.1/47

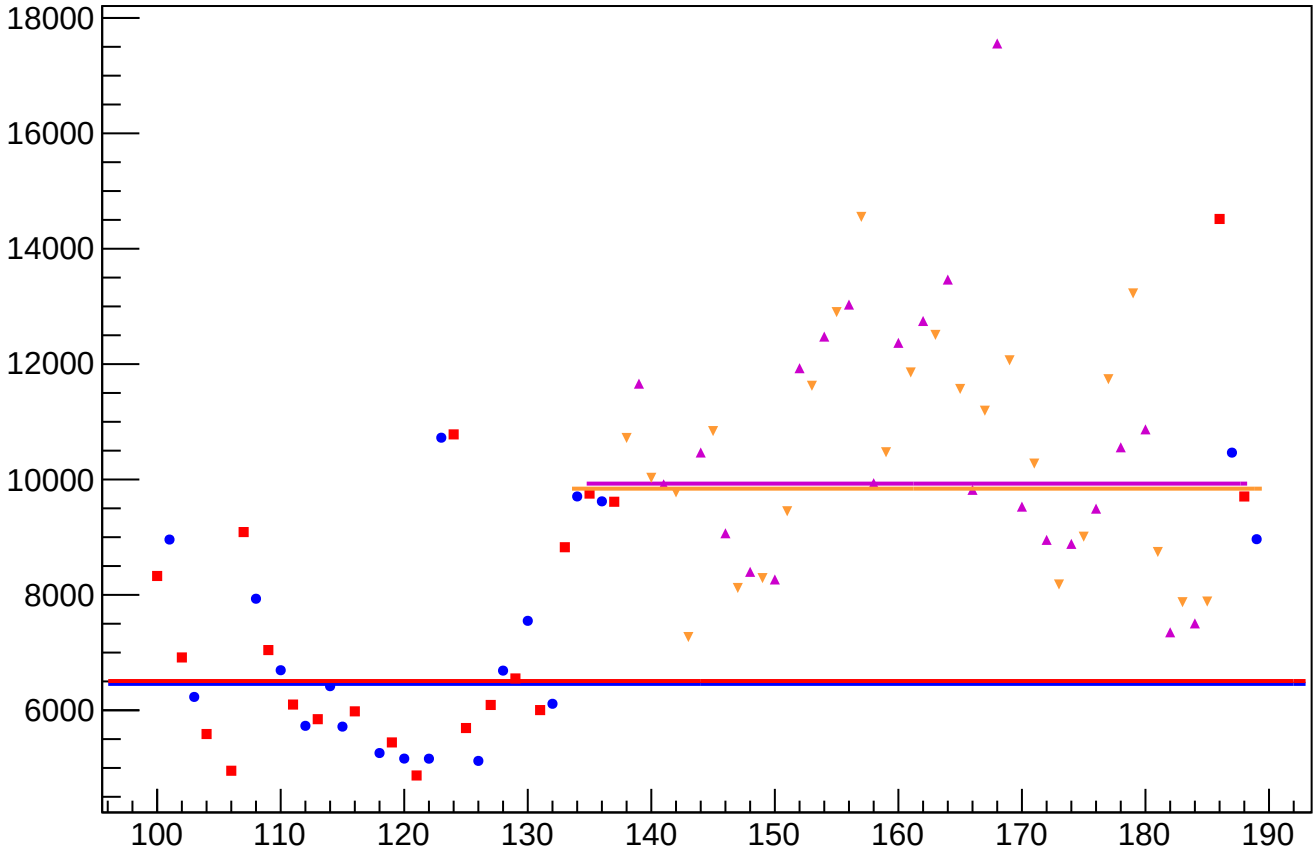
Right: 3730.639+/-1695.838 $\chi^2$/NDF: 44.0/39

In: 3380.019+/-1720.752 $\chi^2$/NDF:28.4/41

Out: 3113.730+/-1659.255 $\chi^2$/NDF:59.8/45

All: 3242.031+/-1194.419 $\chi^2$/NDF: 88.2/87

# asym_atl2_rms vs Slug, Sign Corrected




Right In: 6457.260+/-1.735 $\chi^2$/NDF: 716307.2/18

Left Out: 9841.227+/-1.659 $\chi^2$/NDF:1184767.7/24

Right Out: 6506.851+/-1.659 $\chi^2$/NDF: 960354.3/20

Left In: 9928.662+/-1.707 $\chi^2$/NDF:1220804.9/22

Left: 9883.710+/-1.190 $\chi^2$/NDF: 2406921.7/47

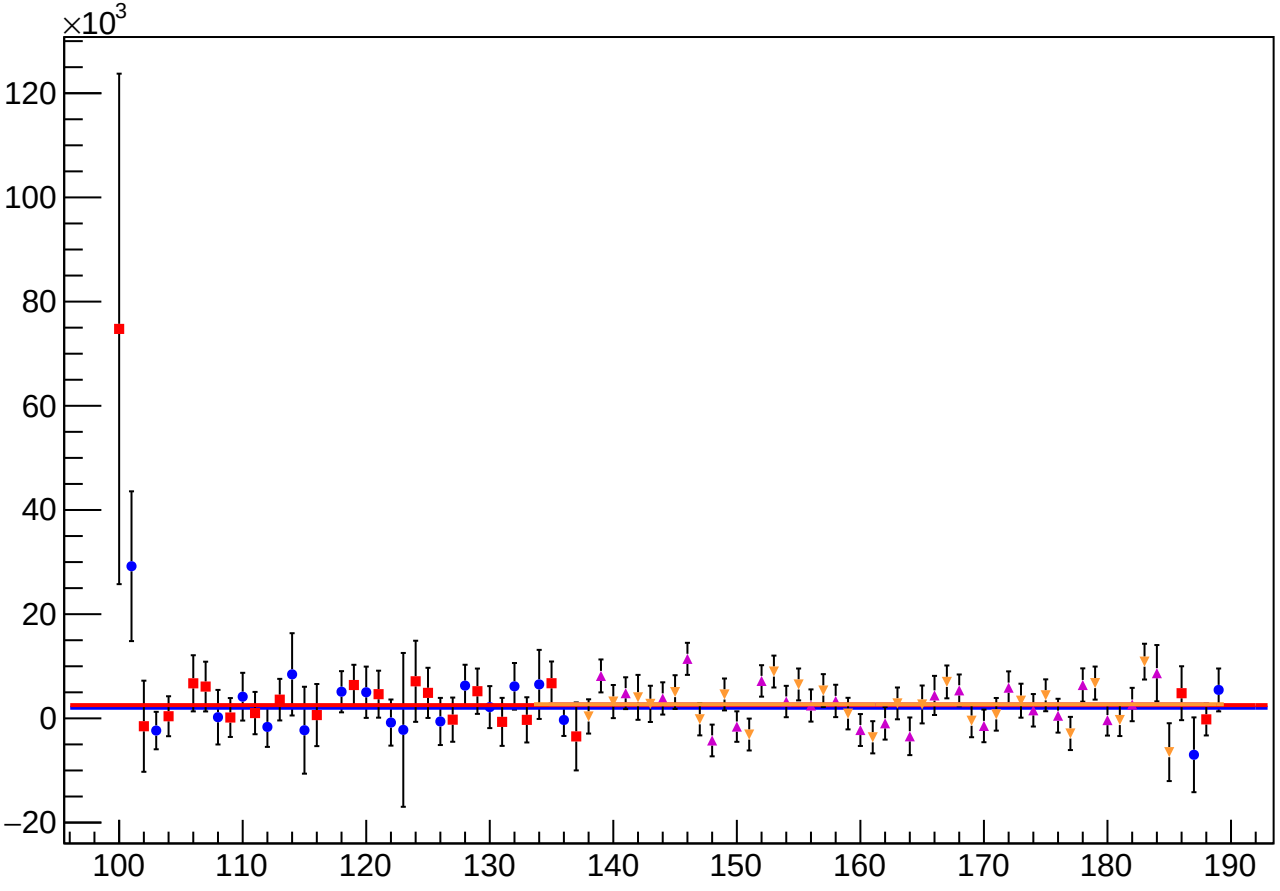
Right: 6483.163+/-1.199 $\chi^2$/NDF: 1677088.3/39

In: 8221.354+/-1.217 $\chi^2$/NDF:3971477.6/41

Out: 8173.876+/-1.173 $\chi^2$/NDF:4164379.6/45

All: 8196.751+/-0.845 $\chi^2$/NDF: 8136646.2/87

# dit_asym_atr1_mean vs Slug, Sign Corrected




Right In: 2039.735+/-1080.993 $\chi^2$/NDF: 14.3/18

Left Out: 2712.564+/-648.832 $\chi^2$/NDF:34.7/24

Right Out: 2543.846+/-1005.141 $\chi^2$/NDF: 10.9/20

Left In: 2697.794+/-662.544 $\chi^2$/NDF:36.1/22

Left: 2705.333+/-463.565 $\chi^2$/NDF: 70.8/47

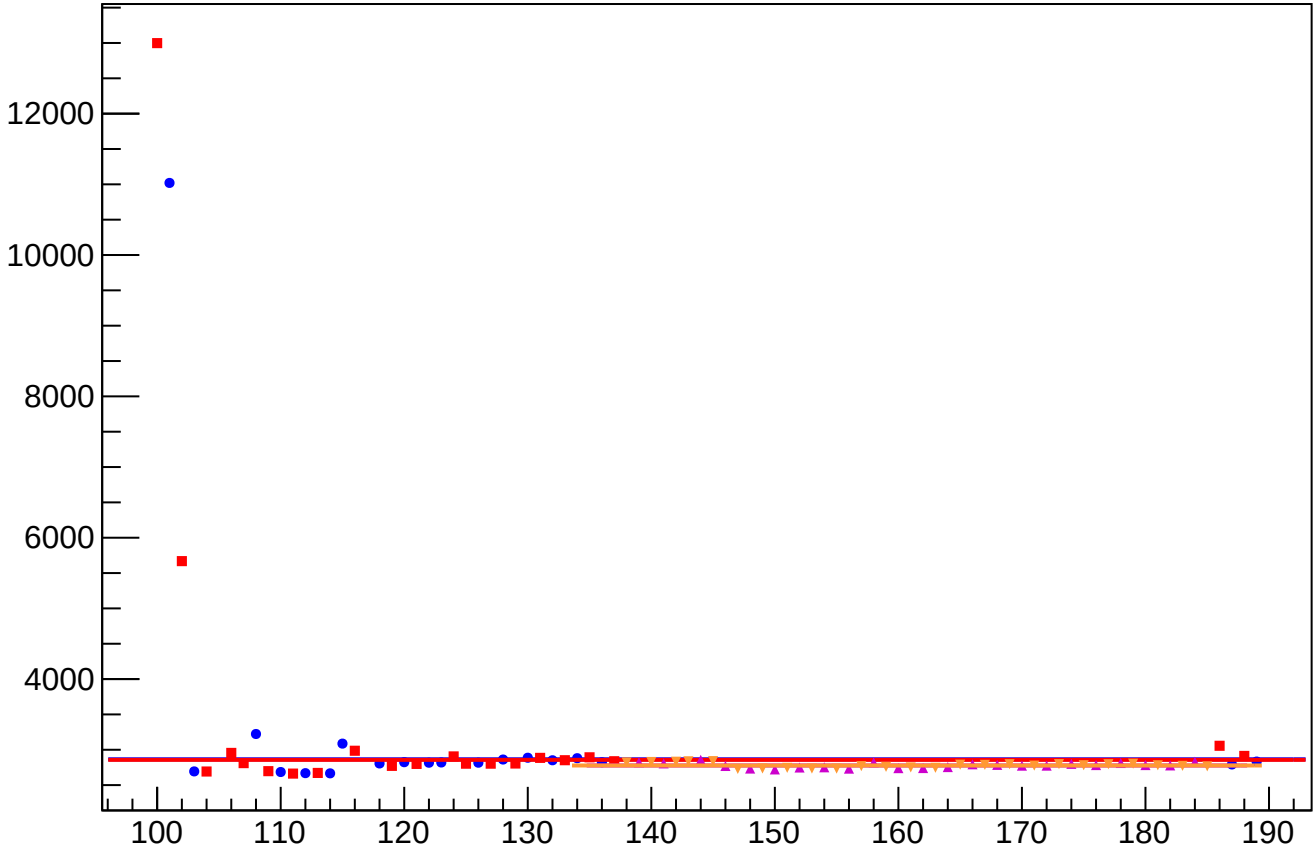
Right: 2310.096+/-736.098 $\chi^2$/NDF: 25.4/39

In: 2518.097+/-564.886 $\chi^2$/NDF:50.6/41

Out: 2662.939+/-545.124 $\chi^2$/NDF:45.7/45

All: 2593.096+/-392.261 $\chi^2$/NDF: 96.3/87

# dit_asym_atr1_rms vs Slug, Sign Corrected




Right In: 2864.945+/-0.764 $\chi^2$/NDF: 670256.1/18

Left Out: 2777.450+/-0.459 $\chi^2$/NDF:5253.1/24

Right Out: 2857.196+/-0.711 $\chi^2$/NDF: 316542.6/20

Left In: 2777.355+/-0.468 $\chi^2$/NDF:5488.7/22

Left: 2777.404+/-0.328 $\chi^2$/NDF: 10741.8/47

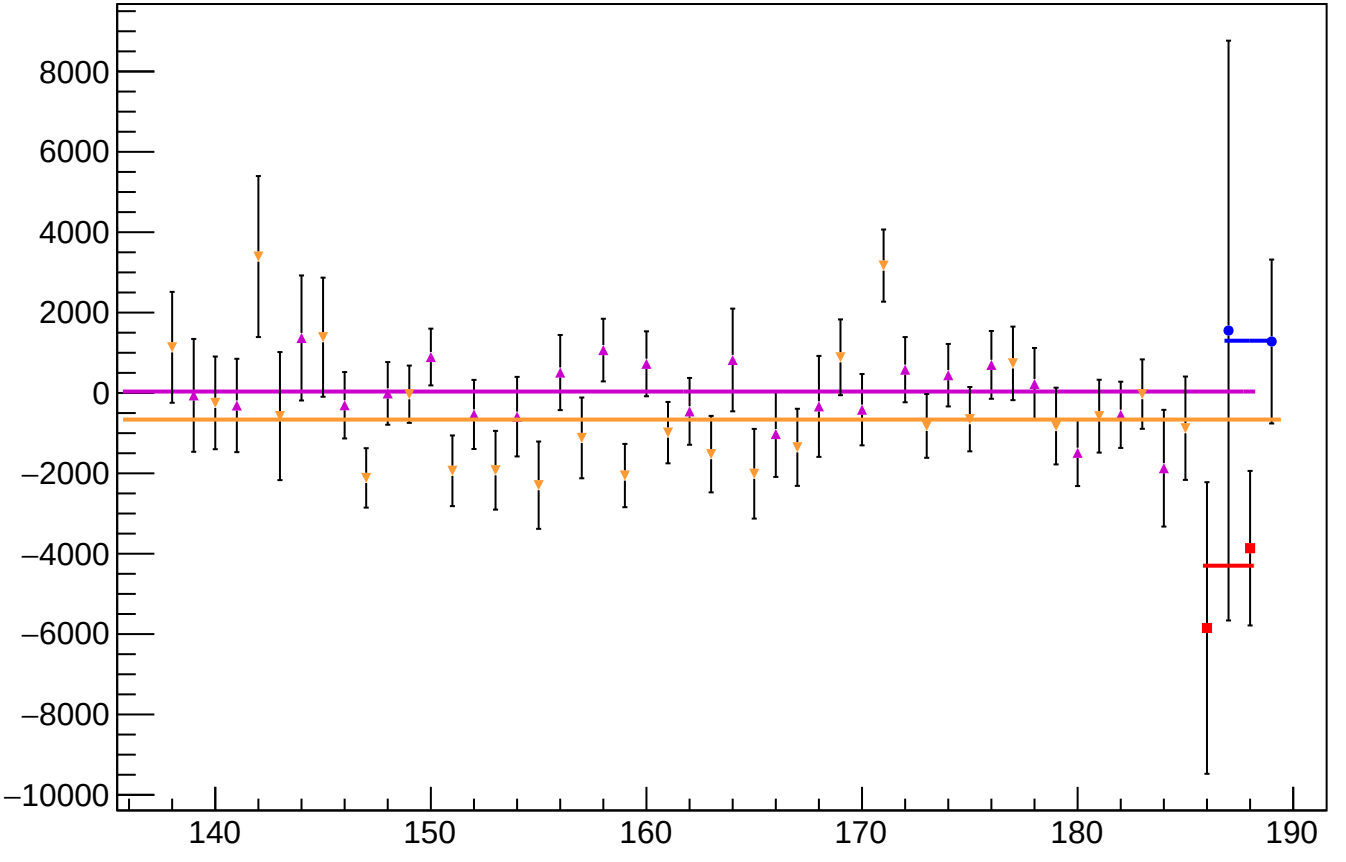
Right: 2860.789+/-0.520 $\chi^2$/NDF: 986853.8/39

In: 2801.273+/-0.399 $\chi^2$/NDF:685290.1/41

Out: 2800.906+/-0.385 $\chi^2$/NDF:330681.8/45

All: 2801.083+/-0.277 $\chi^2$/NDF: 1015972.3/87

# asym_atr1_correction_mean vs Slug, Sign Corrected




Right In: 1300.185+/-1962.467 $\chi^2$/NDF: 0.0/1

Left Out: -661.759+/-190.222 $\chi^2$/NDF:48.7/24

Right Out: -4298.078+/-1698.872 $\chi^2$/NDF: 0.2/1

Left In: 35.366+/-190.553 $\chi^2$/NDF:15.1/22

Left: -313.803+/-134.624 $\chi^2$/NDF: 70.5/47

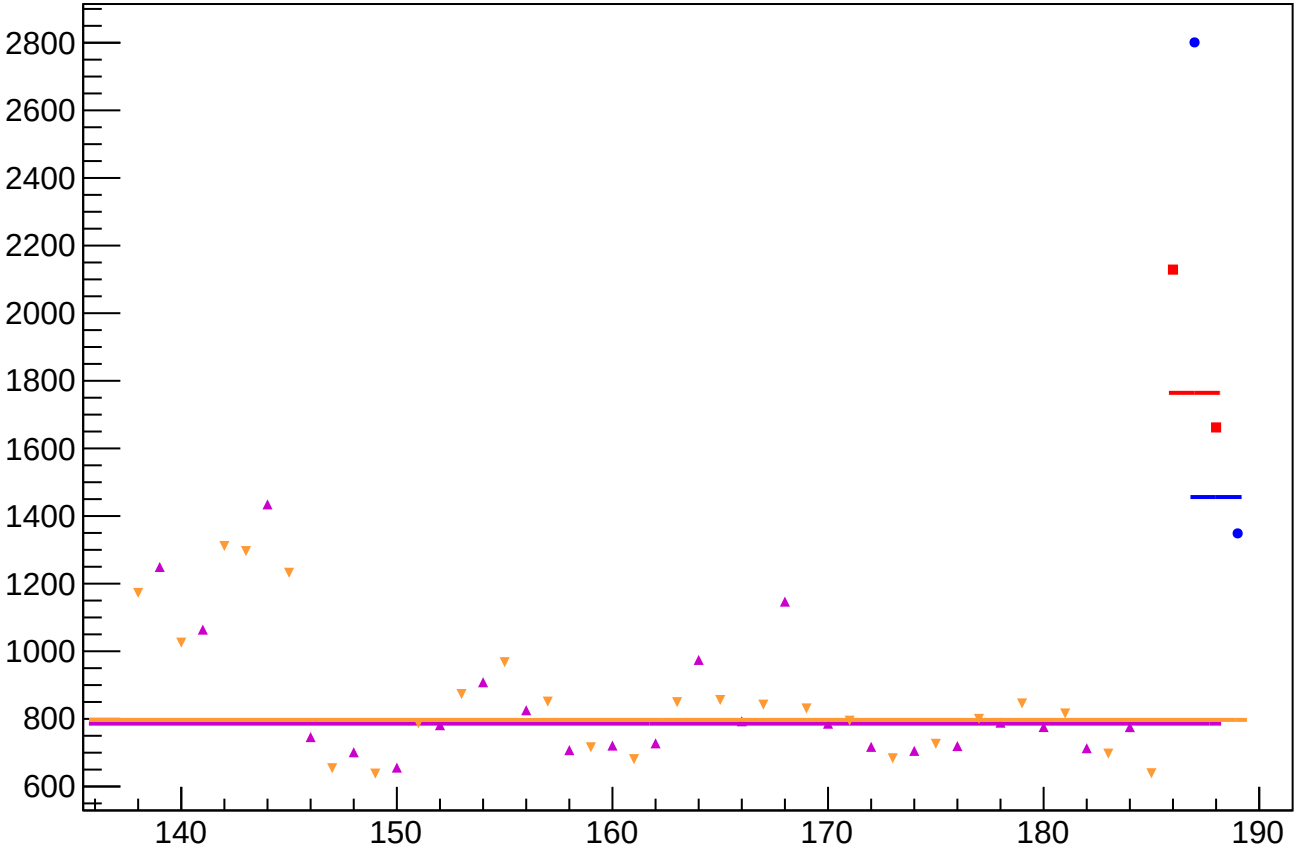
Right: -1899.909+/-1284.445 $\chi^2$/NDF: 4.9/3

In: 47.179+/-189.661 $\chi^2$/NDF:15.5/24

Out: -706.784+/-189.041 $\chi^2$/NDF:53.4/26

All: -331.038+/-133.891 $\chi^2$/NDF: 76.9/51

# asym_atr1_correction_rms vs Slug, Sign Corrected




Right In: 1456.187+/-1.388 $\chi^2$/NDF: 75068.3/1

Left Out: 796.994+/-0.135 $\chi^2$/NDF:1174879.0/24

Right Out: 1764.434+/-1.201 $\chi^2$/NDF: 25858.8/1

Left In: 785.928+/-0.135 $\chi^2$/NDF:1126027.7/22

Left: 791.470+/-0.095 $\chi^2$/NDF: 2304284.9/47

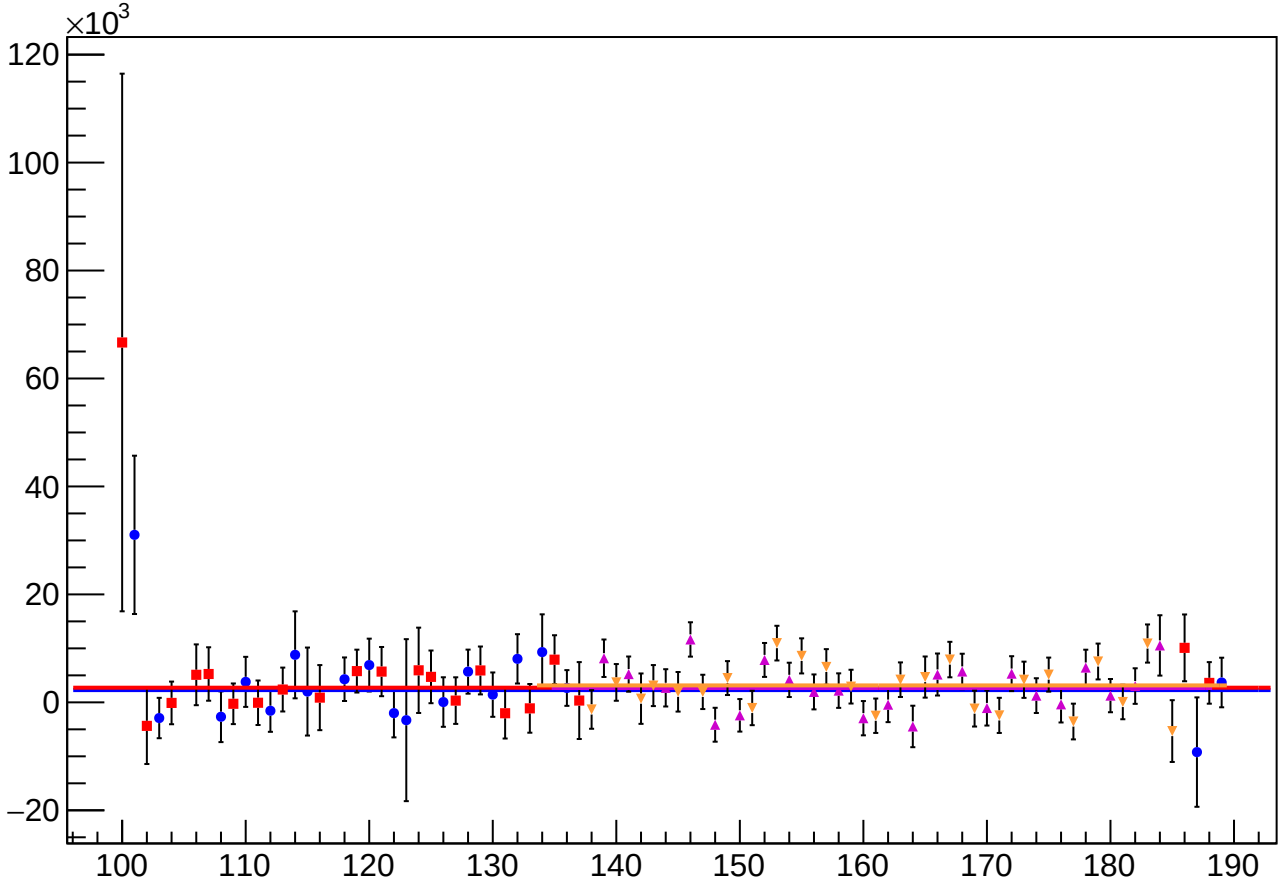
Right: 1632.388+/-0.908 $\chi^2$/NDF: 129132.4/3

In: 792.188+/-0.134 $\chi^2$/NDF:1432215.1/24

Out: 808.972+/-0.134 $\chi^2$/NDF:1841277.1/26

All: 800.608+/-0.095 $\chi^2$/NDF: 3281349.3/51

# asym_atr1_mean vs Slug, Sign Corrected




Right In: 2269.723+/-1114.753 $\chi^2$/NDF: 15.8/18

Left Out: 3139.358+/-680.222 $\chi^2$/NDF:38.3/24

Right Out: 2715.133+/-1051.149 $\chi^2$/NDF: 11.6/20

Left In: 2659.828+/-693.121 $\chi^2$/NDF:36.9/22

Left: 2904.096+/-485.486 $\chi^2$/NDF: 75.4/47

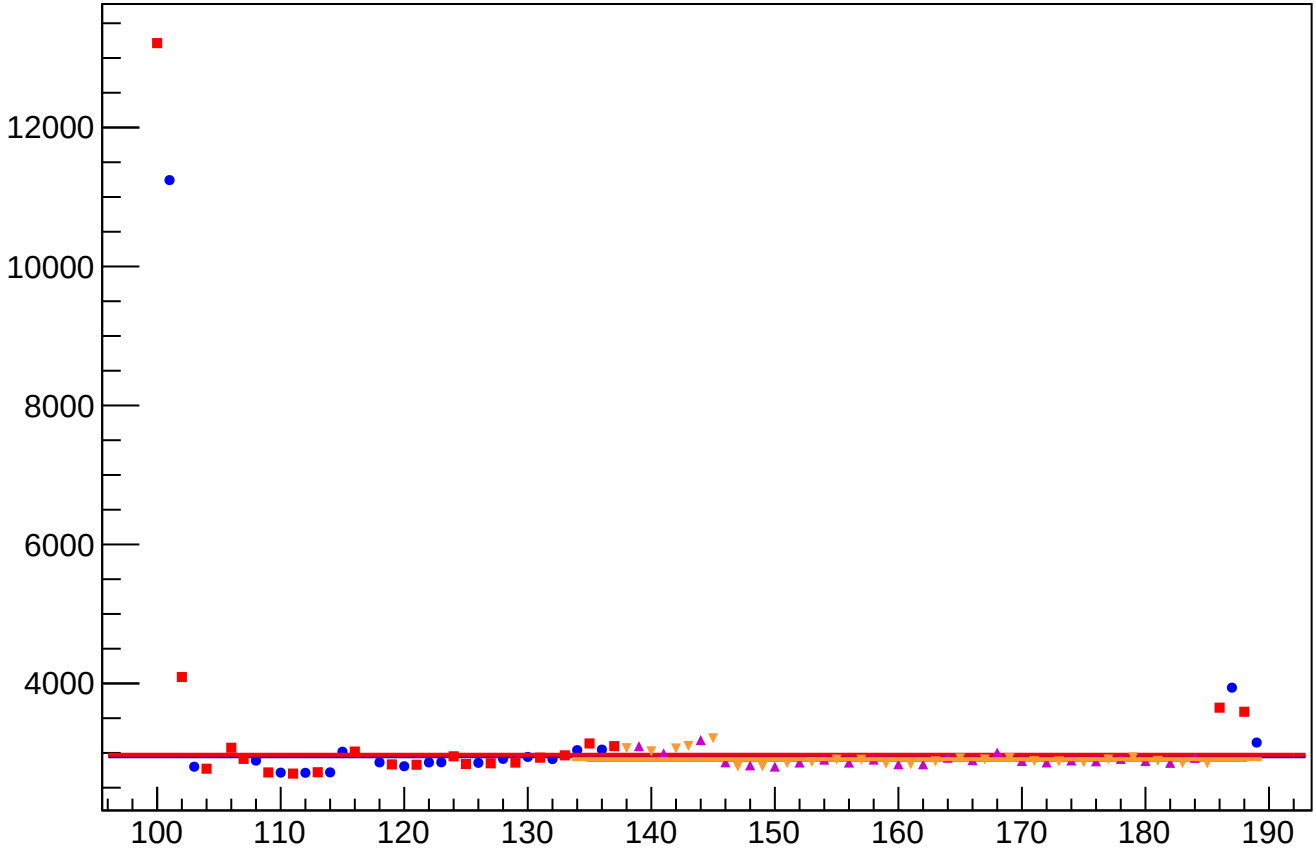
Right: 2505.497+/-764.772 $\chi^2$/NDF: 27.5/39

In: 2551.062+/-588.618 $\chi^2$/NDF:52.8/41

Out: 3014.142+/-571.077 $\chi^2$/NDF:50.0/45

All: 2789.605+/-409.874 $\chi^2$/NDF: 103.1/87

# asym_atr1_rms vs Slug, Sign Corrected




Right In: 2951.994+/-0.788 $\chi^2$/NDF: 686446.4/18

Left Out: 2910.362+/-0.481 $\chi^2$/NDF:36080.5/24

Right Out: 2974.079+/-0.743 $\chi^2$/NDF: 254238.6/20

Left In: 2904.499+/-0.490 $\chi^2$/NDF:30423.1/22

Left: 2907.485+/-0.343 $\chi^2$/NDF: 66576.4/47

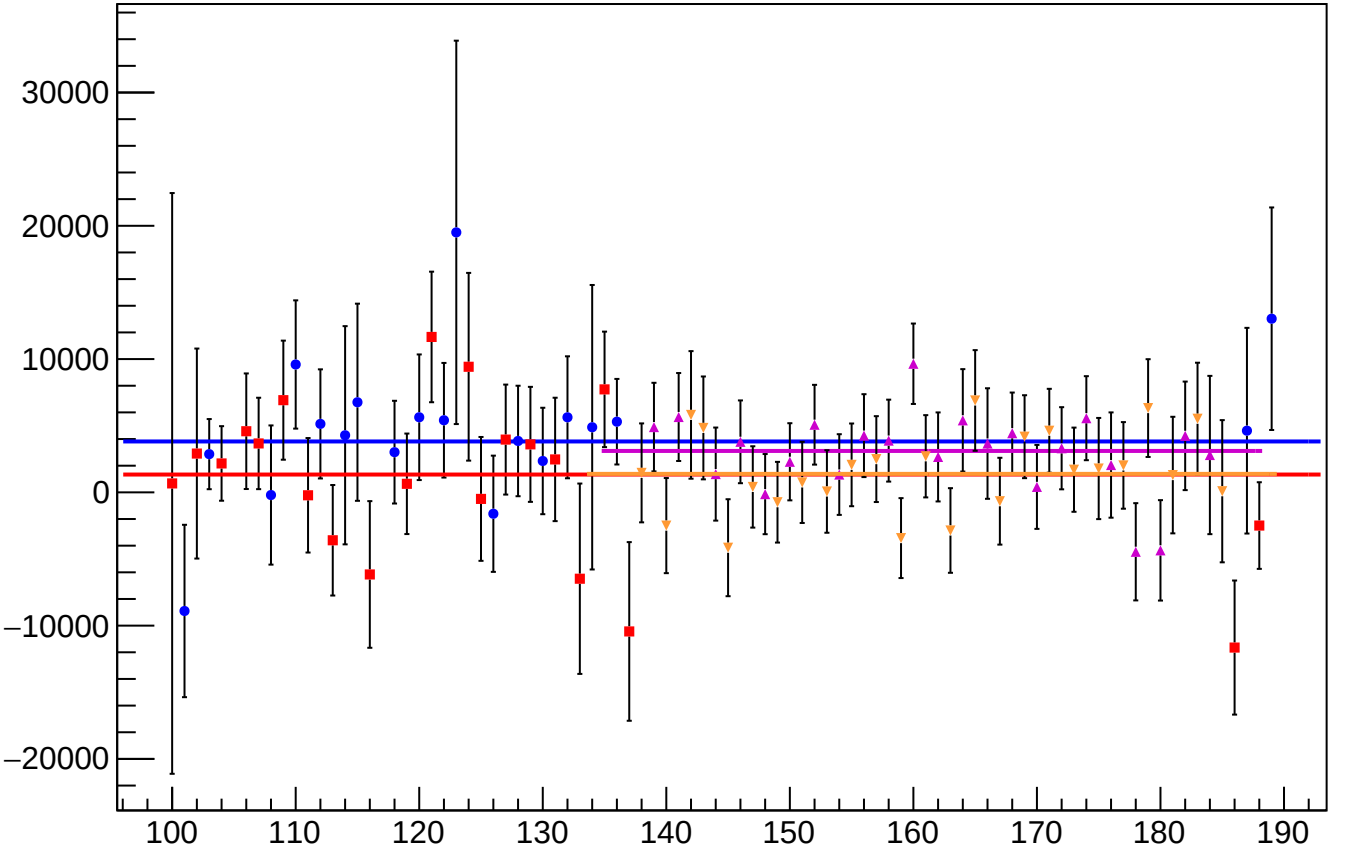
Right: 2963.685+/-0.541 $\chi^2$/NDF: 941100.6/39

In: 2917.741+/-0.416 $\chi^2$/NDF:719487.8/41

Out: 2929.169+/-0.404 $\chi^2$/NDF:295498.9/45

All: 2923.628+/-0.290 $\chi^2$/NDF: 1015375.0/87

# dit_asym_atr2_mean vs Slug, Sign Corrected




Right In: 3818.838+/-1071.784 $\chi^2$/NDF: 11.1/18

Left Out: 1386.275+/-684.647 $\chi^2$/NDF:18.0/24

Right Out: 1336.427+/-977.450 $\chi^2$/NDF: 27.3/20

Left In: 3106.878+/-695.685 $\chi^2$/NDF:18.4/22

Left: 2232.819+/-487.974 $\chi^2$/NDF: 39.5/47

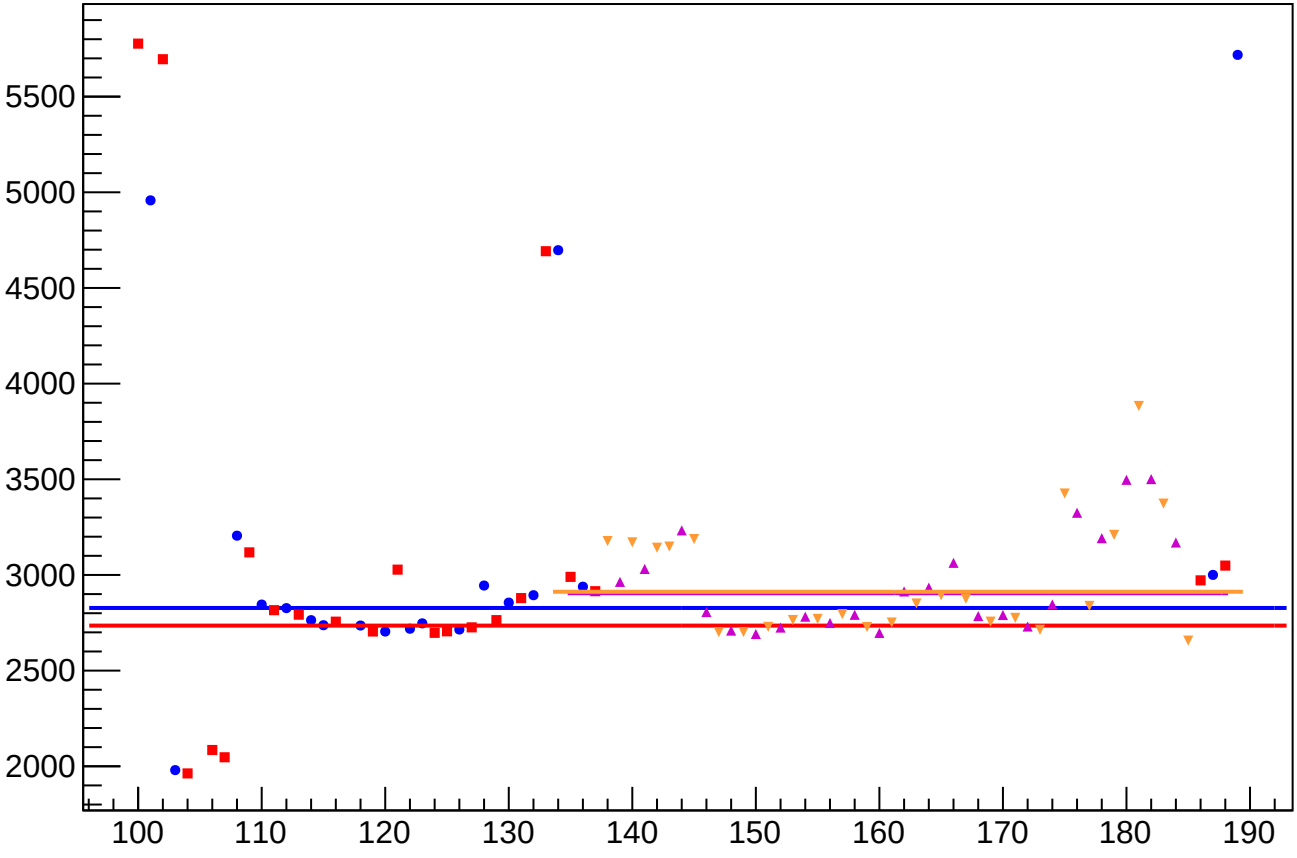
Right: 2463.600+/-722.214 $\chi^2$/NDF: 41.3/39

In: 3317.923+/-583.535 $\chi^2$/NDF:29.8/41

Out: 1369.868+/-560.768 $\chi^2$/NDF:45.3/45

All: 2305.153+/-404.332 $\chi^2$/NDF: 80.9/87

# dit_asym_atr2_rms vs Slug, Sign Corrected




Right In: 2827.487+/-0.758 $\chi^2$/NDF: 747172.3/18

Left Out: 2912.211+/-0.484 $\chi^2$/NDF:290908.5/24

Right Out: 2735.275+/-0.691 $\chi^2$/NDF: 806662.0/20

Left In: 2904.472+/-0.492 $\chi^2$/NDF:217578.9/22

Left: 2908.403+/-0.345 $\chi^2$/NDF: 508613.1/47

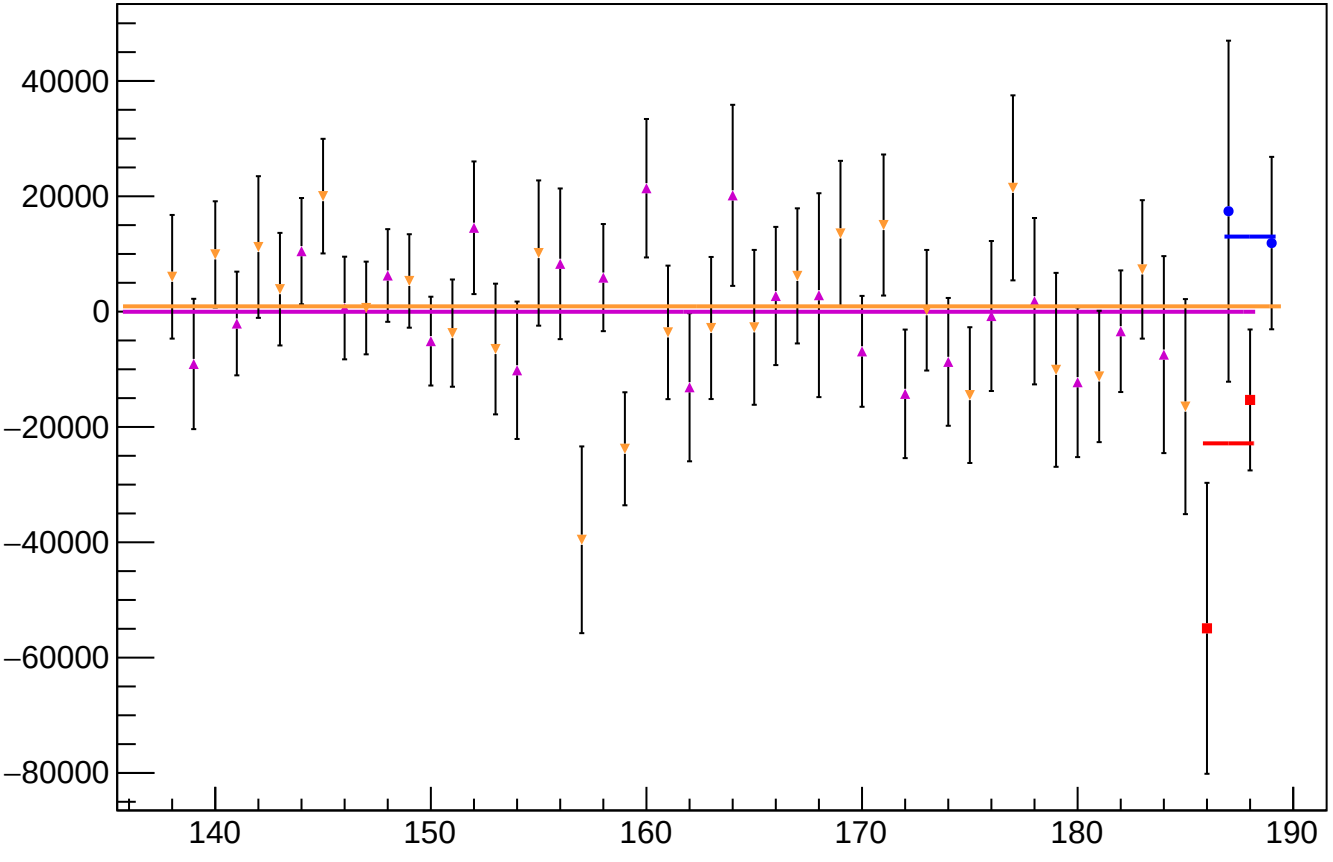
Right: 2777.132+/-0.511 $\chi^2$/NDF: 1561918.7/39

In: 2881.651+/-0.413 $\chi^2$/NDF:972011.2/41

Out: 2853.952+/-0.396 $\chi^2$/NDF:1141552.1/45

All: 2867.250+/-0.286 $\chi^2$/NDF: 2115906.3/87

# asym_atr2_correction_mean vs Slug, Sign Corrected




Right In: 13013.187+/-13341.671 $\chi^2$/NDF: 0.0/1

Left Out: 916.096+/-2238.762 $\chi^2$/NDF:28.7/24

Right Out: -22842.825+/-10997.790 $\chi^2$/NDF: 2.0/1

Left In: -25.729+/-2280.428 $\chi^2$/NDF:16.1/22

Left: 453.866+/-1597.571 $\chi^2$/NDF: 44.9/47

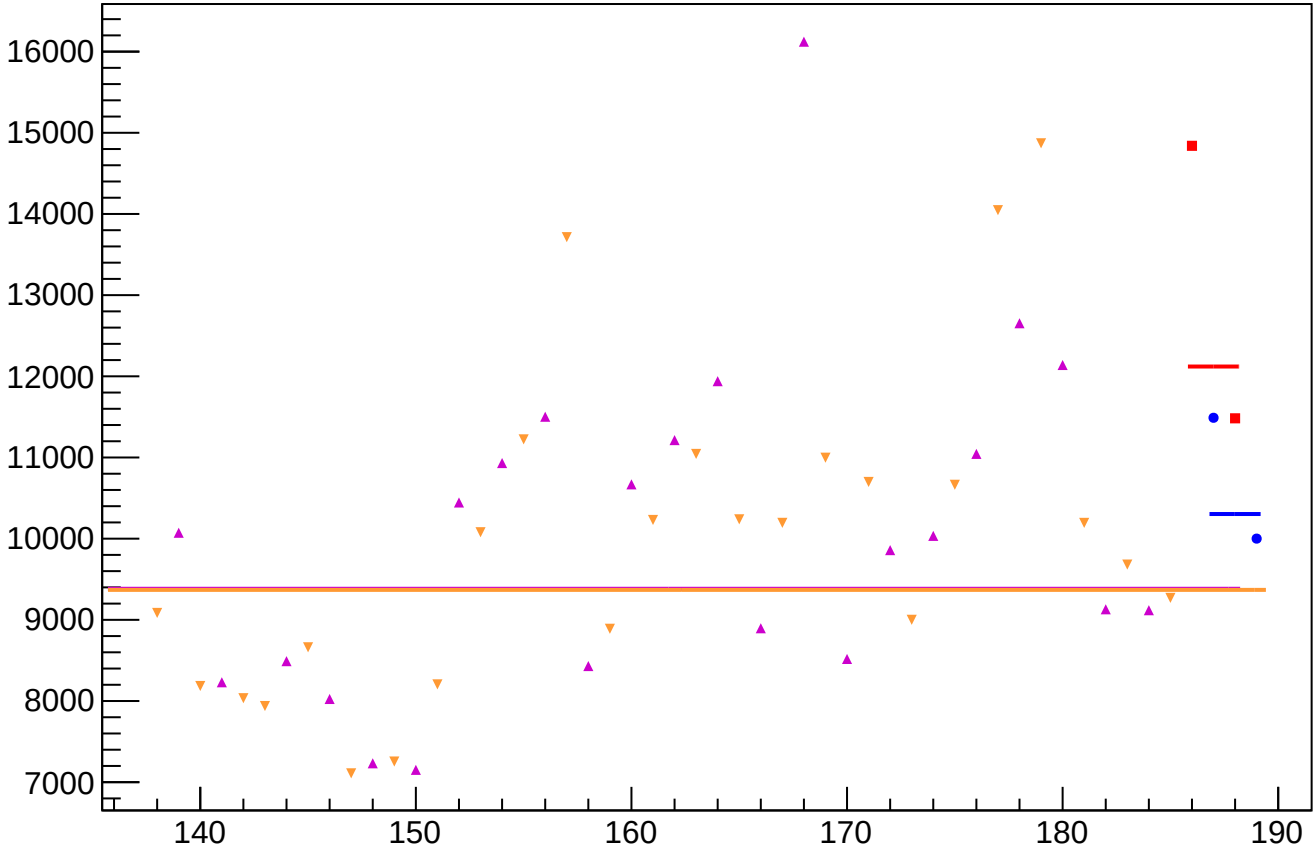
Right: -8336.013+/-8486.239 $\chi^2$/NDF: 6.3/3

In: 344.395+/-2247.828 $\chi^2$/NDF:17.1/24

Out: -29.266+/-2193.770 $\chi^2$/NDF:35.2/26

All: 153.017+/-1569.993 $\chi^2$/NDF: 52.3/51

# asym_atr2_correction_rms vs Slug, Sign Corrected




Right In: 10303.604+/-9.434 $\chi^2$/NDF: 4036.5/1

Left Out: 9369.034+/-1.583 $\chi^2$/NDF:1183012.4/24

Right Out: 12120.561+/-7.777 $\chi^2$/NDF: 28684.0/1

Left In: 9382.727+/-1.613 $\chi^2$/NDF:1205648.8/22

Left: 9375.755+/-1.130 $\chi^2$/NDF: 2388697.9/47

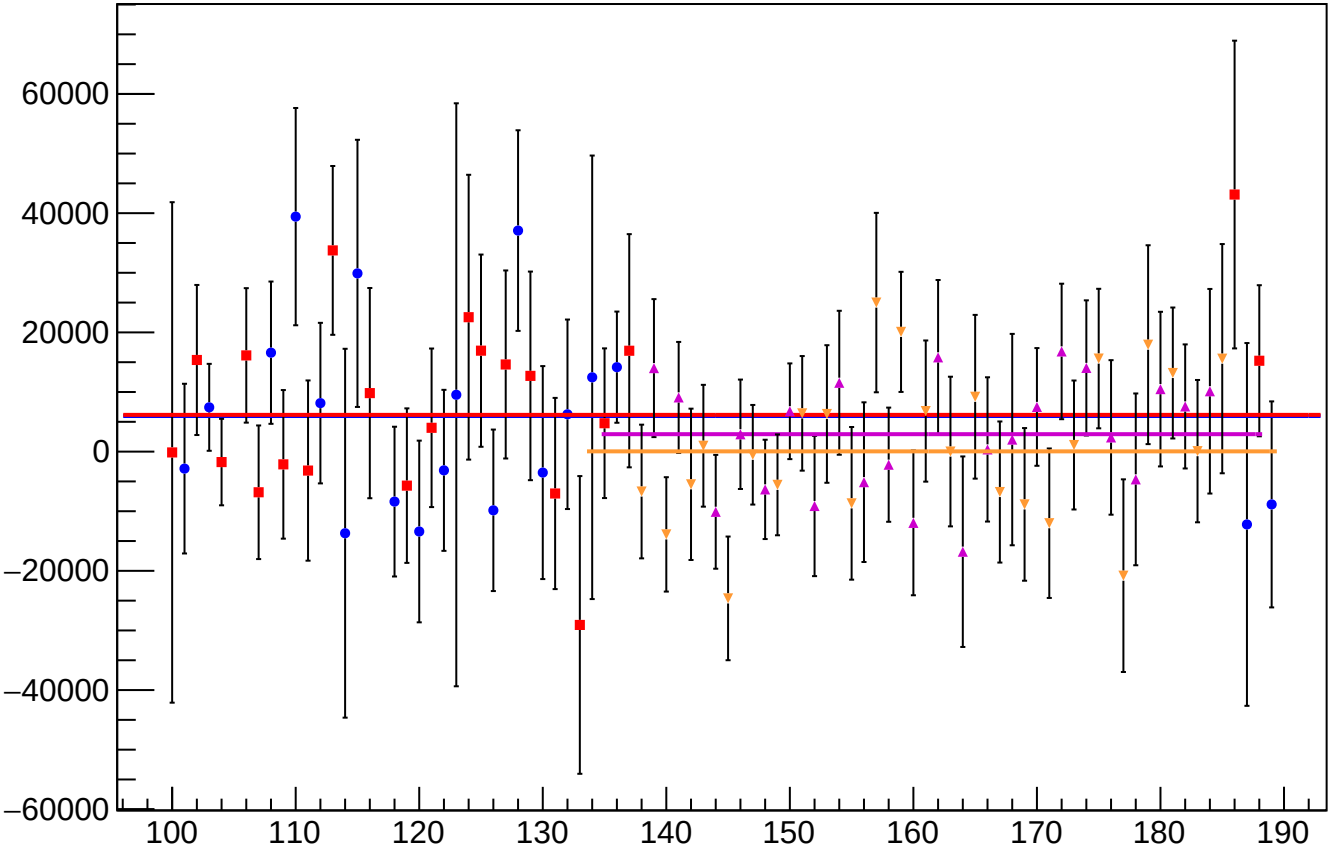
Right: 11385.447+/-6.001 $\chi^2$/NDF: 54806.5/3

In: 9408.868+/-1.589 $\chi^2$/NDF:1218943.0/24

Out: 9478.517+/-1.551 $\chi^2$/NDF:1331904.2/26

All: 9444.540+/-1.110 $\chi^2$/NDF: 2551830.7/51

# asym_atr2_mean vs Slug, Sign Corrected




Right In: 5972.384+/-3304.233 $\chi^2$/NDF: 16.5/18

Left Out: 43.265+/-2290.867 $\chi^2$/NDF:25.9/24

Right Out: 6165.222+/-3051.517 $\chi^2$/NDF: 16.3/20

Left In: 2925.533+/-2330.587 $\chi^2$/NDF:14.6/22

Left: 1459.628+/-1633.750 $\chi^2$/NDF: 41.2/47

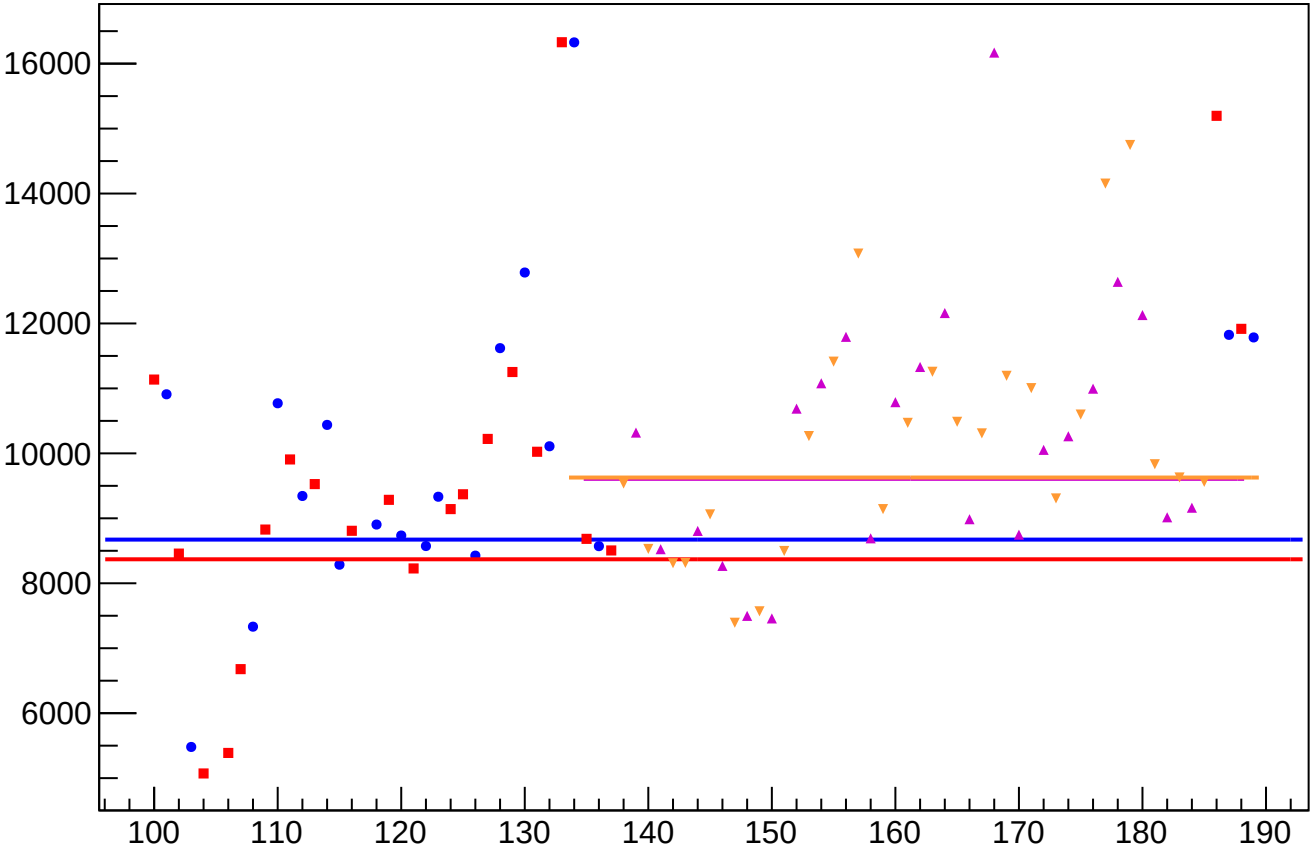
Right: 6076.458+/-2241.773 $\chi^2$/NDF: 32.8/39

In: 3937.753+/-1904.507 $\chi^2$/NDF:31.7/41

Out: 2249.916+/-1832.051 $\chi^2$/NDF:44.7/45

All: 3061.118+/-1320.328 $\chi^2$/NDF: 76.8/87

# asym_atr2_rms vs Slug, Sign Corrected




Right In: 8672.304+/-2.336 $\chi^2$/NDF: 853345.5/18

Left Out: 9627.824+/-1.620 $\chi^2$/NDF:1004641.7/24

Right Out: 8369.197+/-2.158 $\chi^2$/NDF: 1269967.3/20

Left In: 9607.553+/-1.648 $\chi^2$/NDF:1085465.7/22

Left: 9617.863+/-1.155 $\chi^2$/NDF: 2090184.3/47

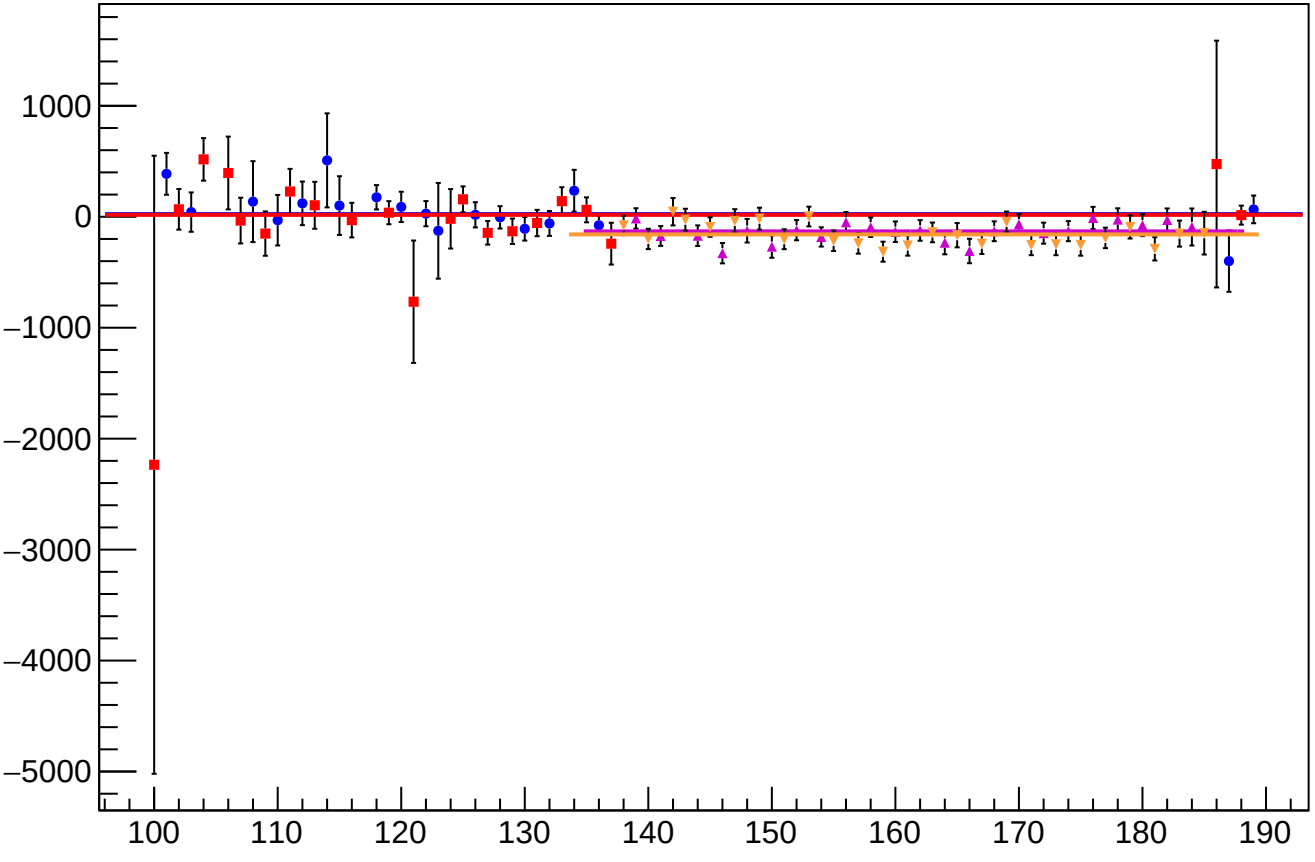
Right: 8508.713+/-1.585 $\chi^2$/NDF: 2132396.2/39

In: 9296.846+/-1.347 $\chi^2$/NDF:2045809.8/41

Out: 9174.135+/-1.295 $\chi^2$/NDF:2492222.7/45

All: 9233.111+/-0.934 $\chi^2$/NDF: 4542344.9/87

# dit_asym_sam1_mean vs Slug, Sign Corrected




Right In: 23.709+/-32.603 $\chi^2$/NDF: 15.1/18

Left Out: -158.948+/-19.453 $\chi^2$/NDF:25.8/24

Right Out: 17.385+/-32.819 $\chi^2$/NDF: 22.0/20

Left In: -131.879+/-20.076 $\chi^2$/NDF:17.8/22

Left: -145.840+/-13.970 $\chi^2$/NDF: 44.5/47

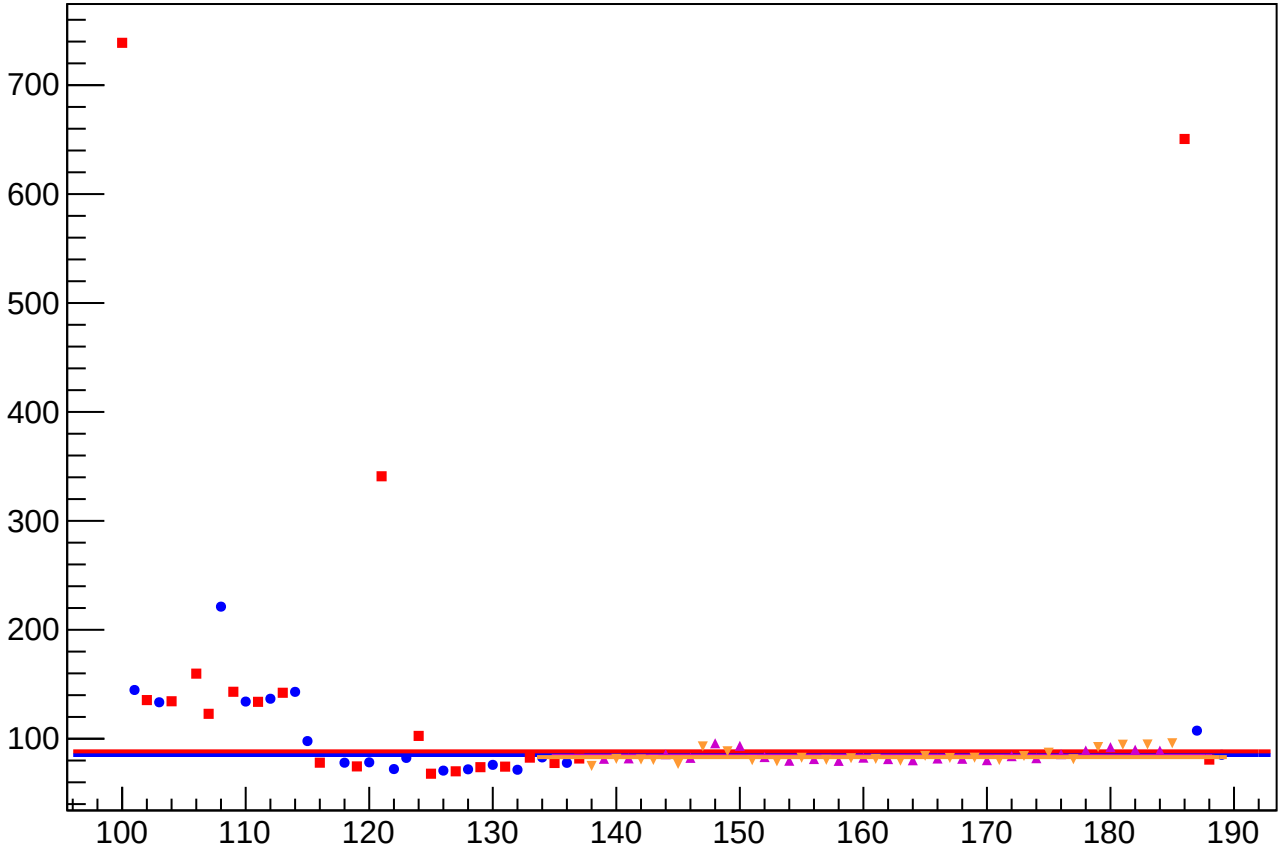
Right: 20.568+/-23.130 $\chi^2$/NDF: 37.1/39

In: -89.104+/-17.095 $\chi^2$/NDF:49.4/41

Out: -113.103+/-16.734 $\chi^2$/NDF:69.2/45

All: -101.359+/-11.958 $\chi^2$/NDF: 119.5/87

# dit_asym_sam1_rms vs Slug, Sign Corrected




Right In: 85.087+/-0.023 $\chi^2$/NDF: 1077654.5/18

Left Out: 83.126+/-0.014 $\chi^2$/NDF:138741.0/24

Right Out: 88.413+/-0.023 $\chi^2$/NDF: 2086965.3/20

Left In: 84.108+/-0.014 $\chi^2$/NDF:96934.3/22

Left: 83.602+/-0.010 $\chi^2$/NDF: 238144.0/47

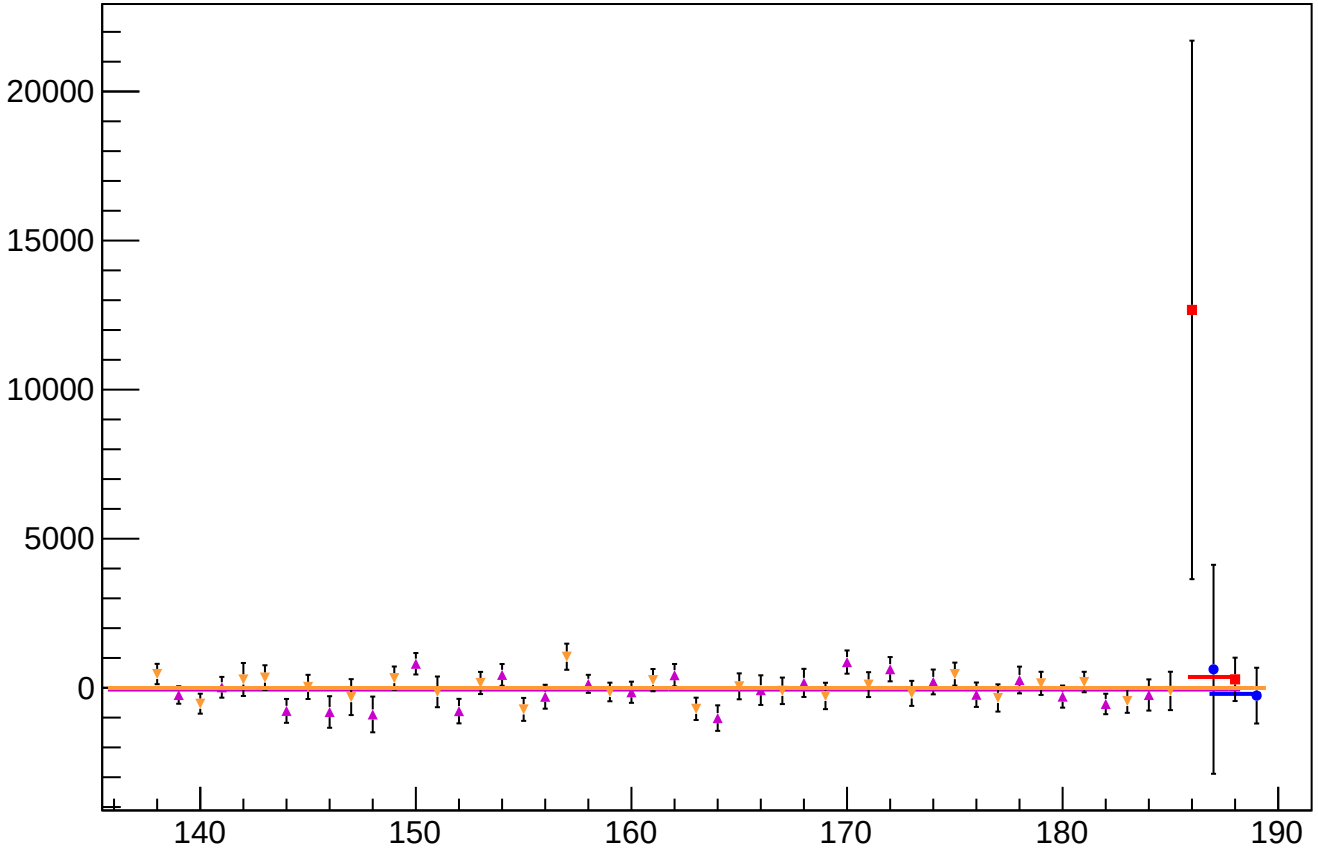
Right: 86.739+/-0.016 $\chi^2$/NDF: 3174963.5/39

In: 84.377+/-0.012 $\chi^2$/NDF:1175894.1/41

Out: 84.501+/-0.012 $\chi^2$/NDF:2264117.9/45

All: 84.440+/-0.008 $\chi^2$/NDF: 3440065.3/87

# asym_sam1_correction_mean vs Slug, Sign Corrected




Right In: -204.607+/-903.388 $\chi^2$/NDF: 0.1/1

Left Out: -6.627+/-81.138 $\chi^2$/NDF:24.4/24

Right Out: 362.565+/-725.075 $\chi^2$/NDF: 1.9/1

Left In: -59.971+/-82.046 $\chi^2$/NDF:38.0/22

Left: -33.002+/-57.692 $\chi^2$/NDF: 62.6/47

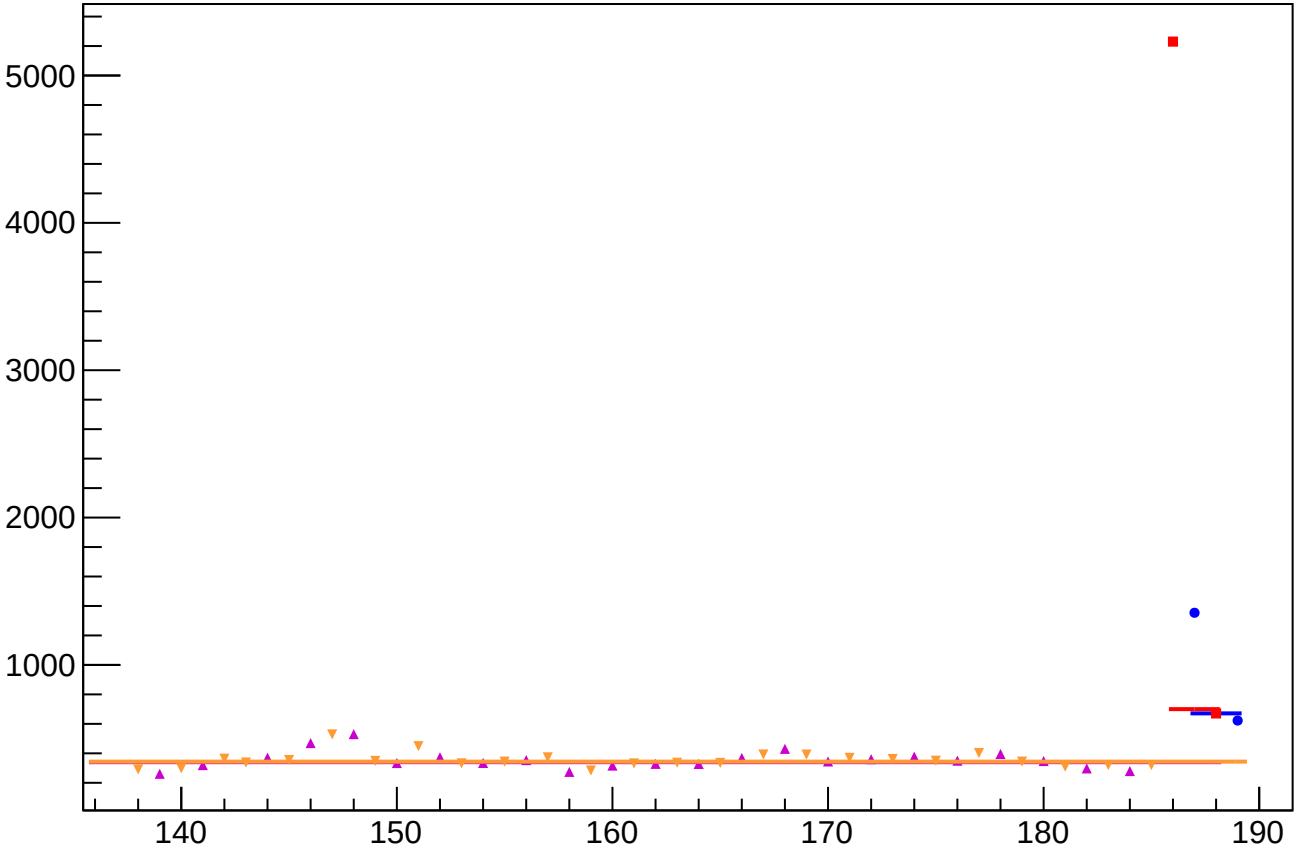
Right: 140.347+/-565.466 $\chi^2$/NDF: 2.2/3

In: -61.155+/-81.710 $\chi^2$/NDF:38.1/24

Out: -2.062+/-80.635 $\chi^2$/NDF:26.5/26

All: -31.217+/-57.394 $\chi^2$/NDF: 64.8/51

# asym_sam1_correction_rms vs Slug, Sign Corrected




Right In: 671.118+/-0.639 $\chi^2$/NDF: 81322.8/1

Left Out: 343.620+/-0.057 $\chi^2$/NDF:571090.7/24

Right Out: 699.949+/-0.513 $\chi^2$/NDF: 506501.8/1

Left In: 339.804+/-0.058 $\chi^2$/NDF:799750.5/22

Left: 341.733+/-0.041 $\chi^2$/NDF: 1373028.9/47

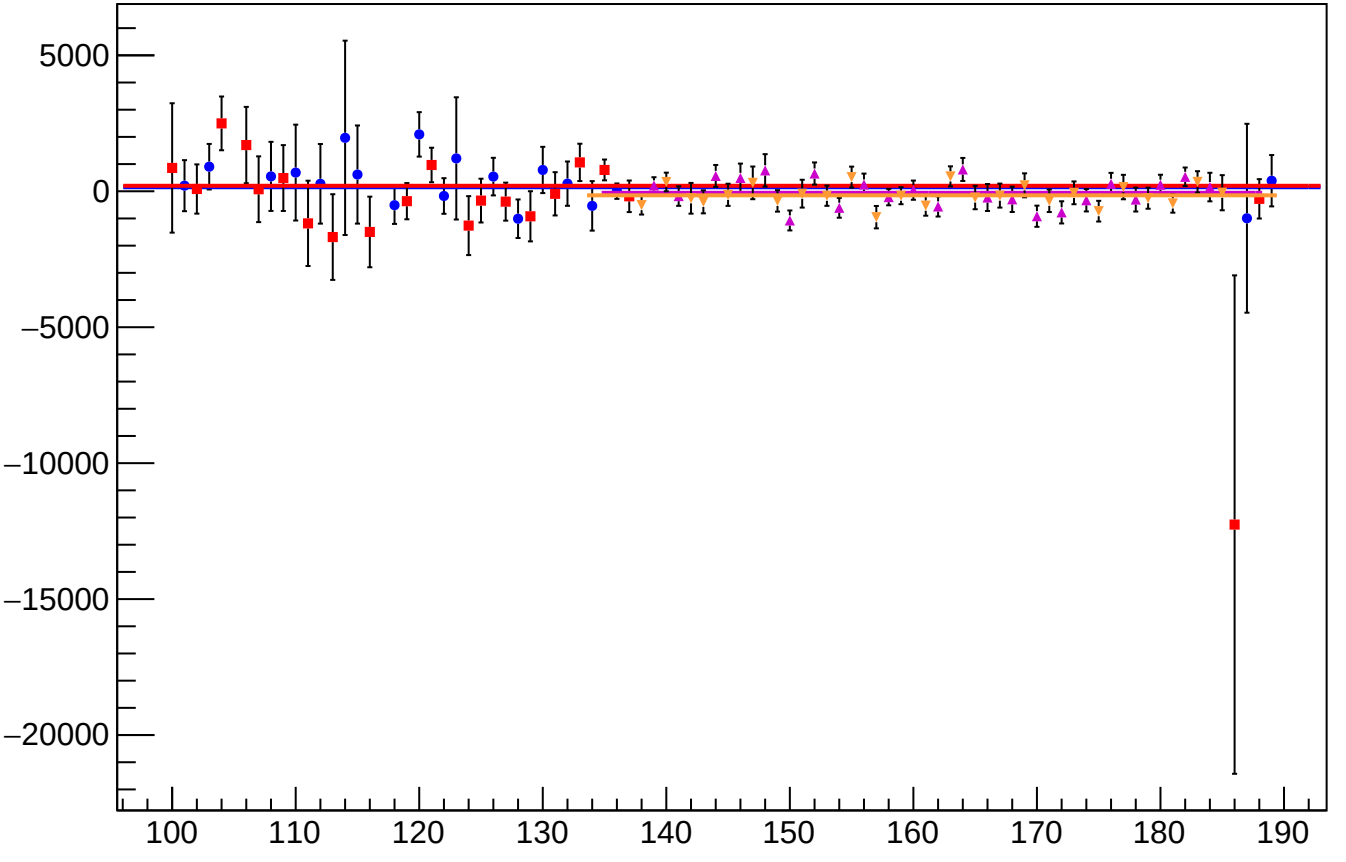
Right: 688.653+/-0.400 $\chi^2$/NDF: 589063.6/3

In: 342.514+/-0.058 $\chi^2$/NDF:1147878.6/24

Out: 348.027+/-0.057 $\chi^2$/NDF:1554640.5/26

All: 345.307+/-0.041 $\chi^2$/NDF: 2707131.1/51

# asym_sam1_mean vs Slug, Sign Corrected




Right In: 149.067+/-175.867 $\chi^2$/NDF: 13.0/18

Left Out: -148.809+/-81.017 $\chi^2$/NDF:22.0/24

Right Out: 201.805+/-178.296 $\chi^2$/NDF: 24.0/20

Left In: -56.402+/-82.155 $\chi^2$/NDF:39.7/22

Left: -103.250+/-57.686 $\chi^2$/NDF: 62.3/47

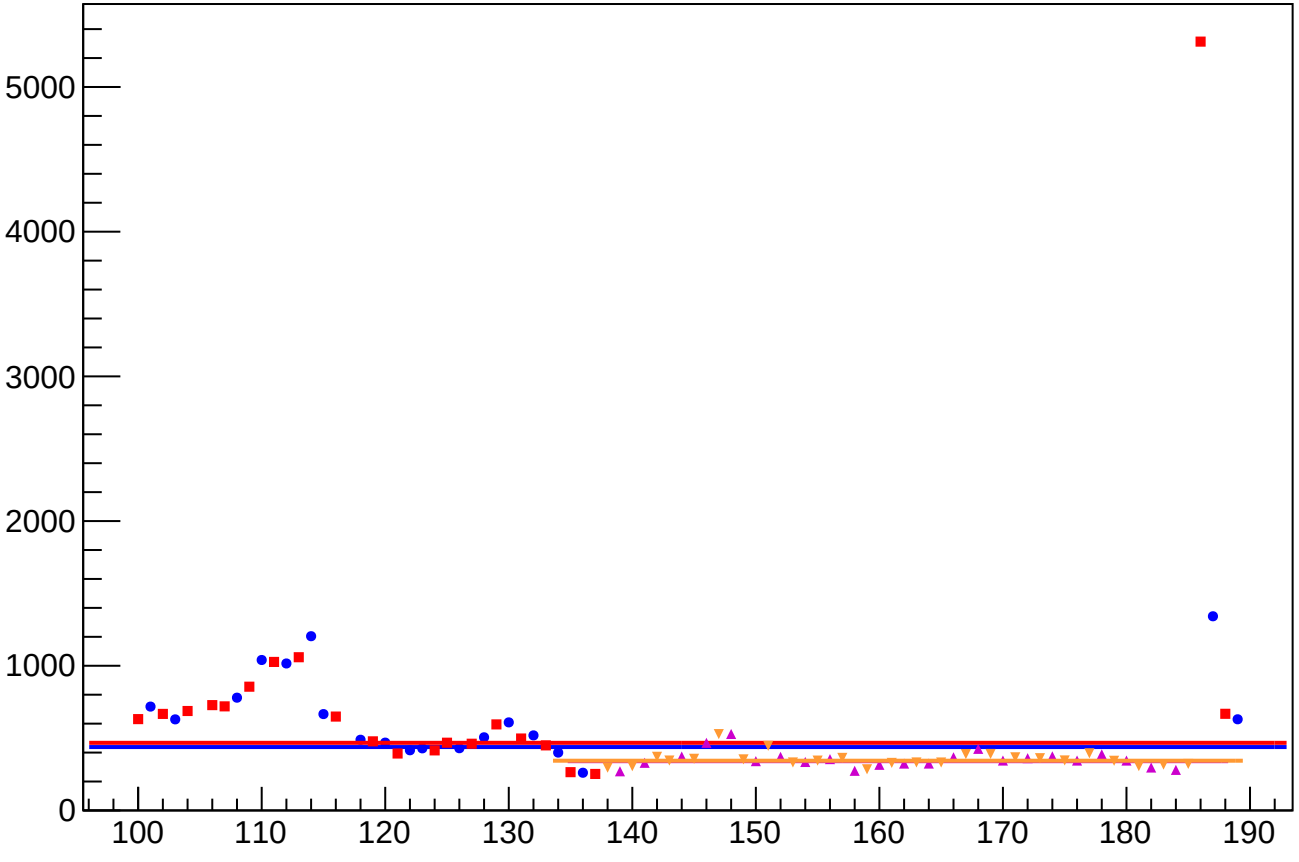
Right: 175.074+/-125.207 $\chi^2$/NDF: 37.0/39

In: -19.596+/-74.434 $\chi^2$/NDF:53.8/41

Out: -88.805+/-73.759 $\chi^2$/NDF:49.2/45

All: -54.516+/-52.393 $\chi^2$/NDF: 103.4/87

# asym_sam1_rms vs Slug, Sign Corrected




Right In: 438.177+/-0.124 $\chi^2$/NDF: 2235774.5/18

Left Out: 343.762+/-0.057 $\chi^2$/NDF:539246.3/24

Right Out: 467.417+/-0.126 $\chi^2$/NDF: 2764814.2/20

Left In: 340.519+/-0.058 $\chi^2$/NDF:737049.6/22

Left: 342.163+/-0.041 $\chi^2$/NDF: 1277875.5/47

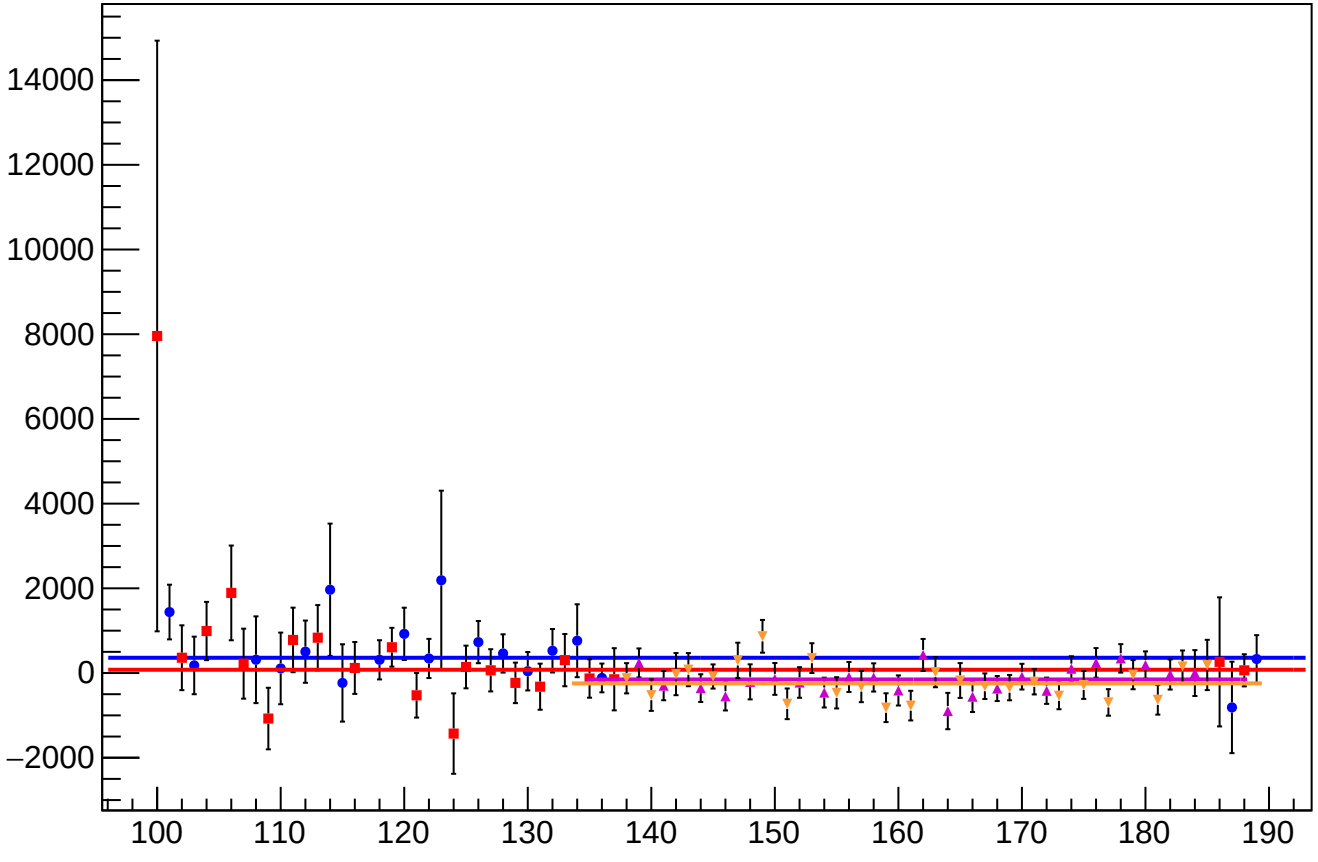
Right: 452.597+/-0.089 $\chi^2$/NDF: 5027851.3/39

In: 358.013+/-0.053 $\chi^2$/NDF:3479057.1/41

Out: 364.924+/-0.052 $\chi^2$/NDF:4101412.5/45

All: 361.500+/-0.037 $\chi^2$/NDF: 7589169.2/87

# dit_asym_sam2_mean vs Slug, Sign Corrected




Right In: 359.996+/-135.871 $\chi^2$/NDF: 10.6/18

Left Out: -244.459+/-70.636 $\chi^2$/NDF:28.9/24

Right Out: 77.188+/-133.658 $\chi^2$/NDF: 16.8/20

Left In: -152.030+/-72.312 $\chi^2$/NDF:18.2/22

Left: -199.328+/-50.529 $\chi^2$/NDF: 47.9/47

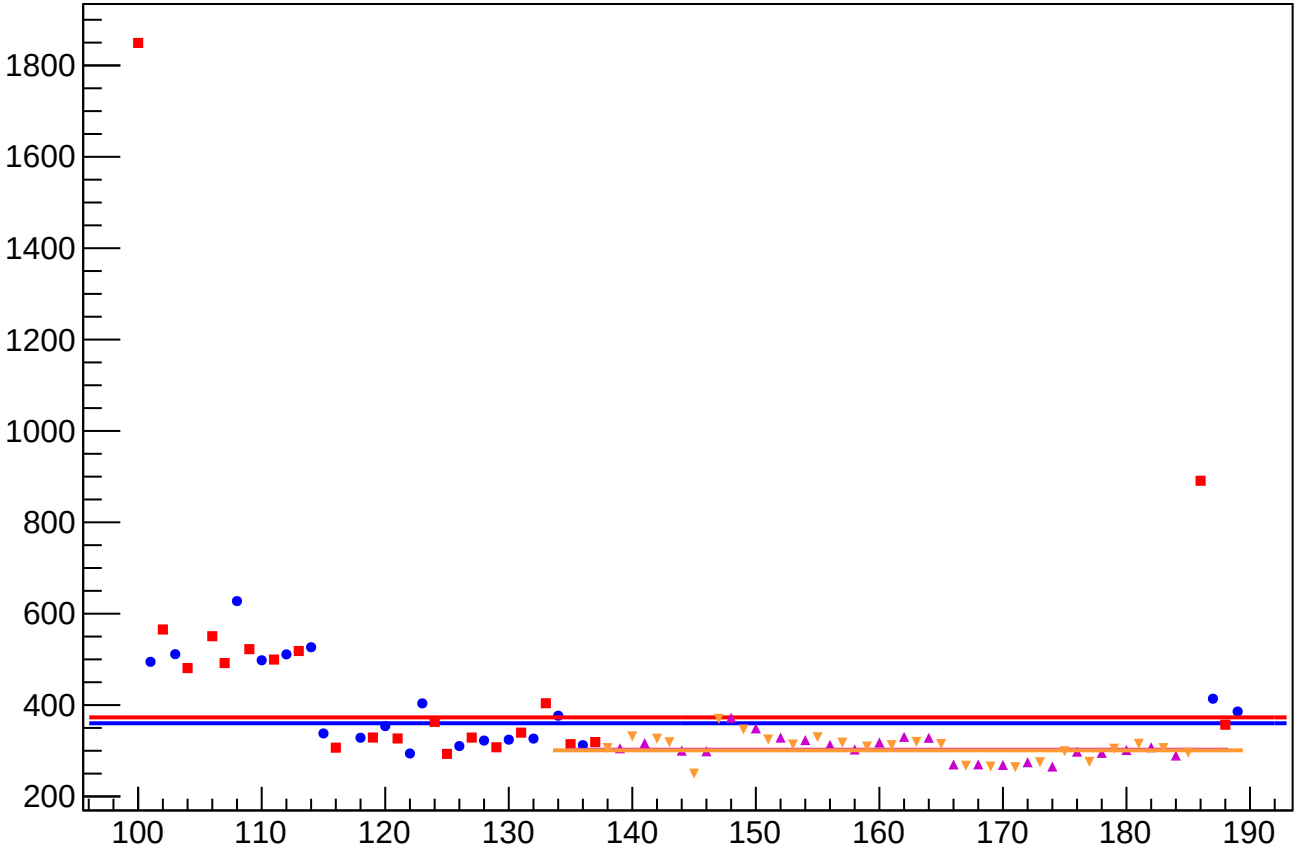
Right: 216.270+/-95.283 $\chi^2$/NDF: 29.6/39

In: -39.012+/-63.834 $\chi^2$/NDF:39.9/41

Out: -174.237+/-62.451 $\chi^2$/NDF:50.2/45

All: -108.105+/-44.641 $\chi^2$/NDF: 92.3/87

# dit_asym_sam2_rms vs Slug, Sign Corrected




Right In: 360.193+/-0.096 $\chi^2$/NDF: 639406.9/18

Left Out: 300.961+/-0.050 $\chi^2$/NDF:322200.5/24

Right Out: 373.077+/-0.095 $\chi^2$/NDF: 1020010.1/20

Left In: 302.180+/-0.051 $\chi^2$/NDF:247468.9/22

Left: 301.556+/-0.036 $\chi^2$/NDF: 569960.3/47

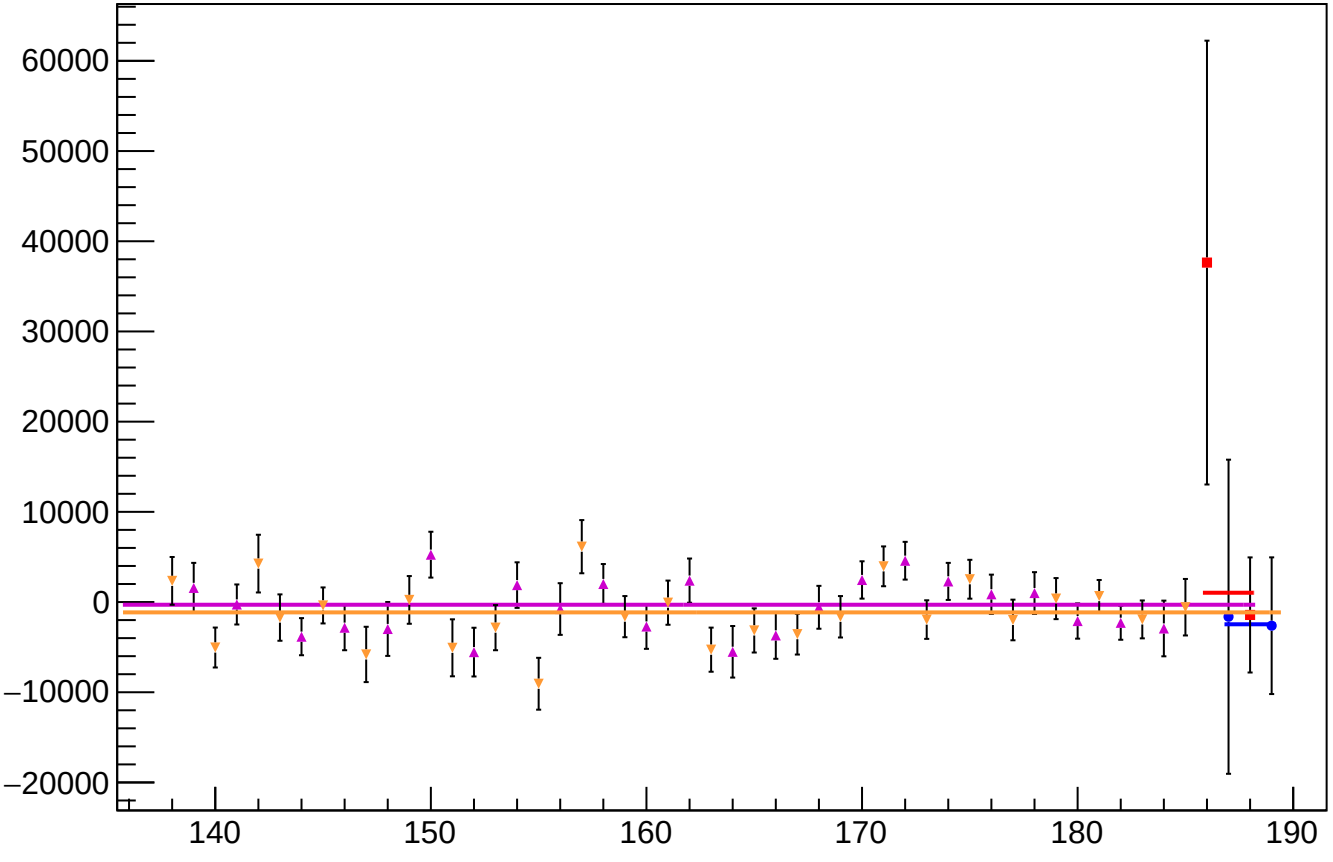
Right: 366.741+/-0.067 $\chi^2$/NDF: 1668555.8/39

In: 314.985+/-0.045 $\chi^2$/NDF:1171009.1/41

Out: 316.705+/-0.044 $\chi^2$/NDF:1797337.0/45

All: 315.864+/-0.032 $\chi^2$/NDF: 2969088.2/87

# asym_sam2_correction_mean vs Slug, Sign Corrected




Right In: -2464.651+/-6948.113 $\chi^2$/NDF: 0.0/1

Left Out: -1146.466+/-479.950 $\chi^2$/NDF:41.3/24

Right Out: 1031.435+/-6176.432 $\chi^2$/NDF: 2.4/1

Left In: -298.915+/-491.476 $\chi^2$/NDF:35.0/22

Left: -732.745+/-343.379 $\chi^2$/NDF: 77.8/47

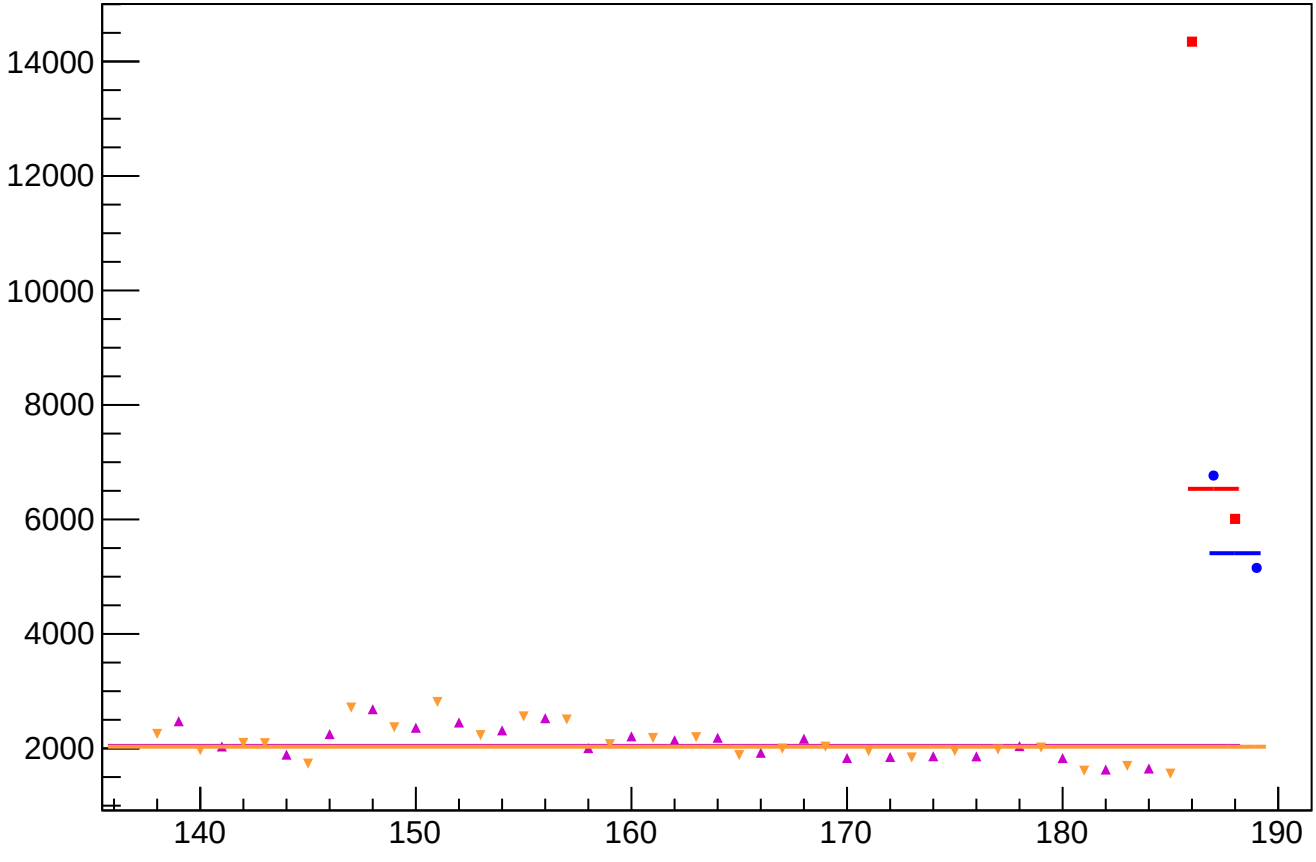
Right: -511.758+/-4616.213 $\chi^2$/NDF: 2.5/3

In: -309.698+/-490.251 $\chi^2$/NDF:35.1/24

Out: -1133.394+/-478.508 $\chi^2$/NDF:43.8/26

All: -731.529+/-342.432 $\chi^2$/NDF: 80.3/51

# asym_sam2_correction_rms vs Slug, Sign Corrected




Right In: 5410.361+/-4.913 $\chi^2$/NDF: 14433.8/1

Left Out: 2030.179+/-0.339 $\chi^2$/NDF:702523.9/24

Right Out: 6535.314+/-4.367 $\chi^2$/NDF: 215153.3/1

Left In: 2044.056+/-0.348 $\chi^2$/NDF:570535.5/22

Left: 2036.953+/-0.243 $\chi^2$/NDF: 1273875.5/47

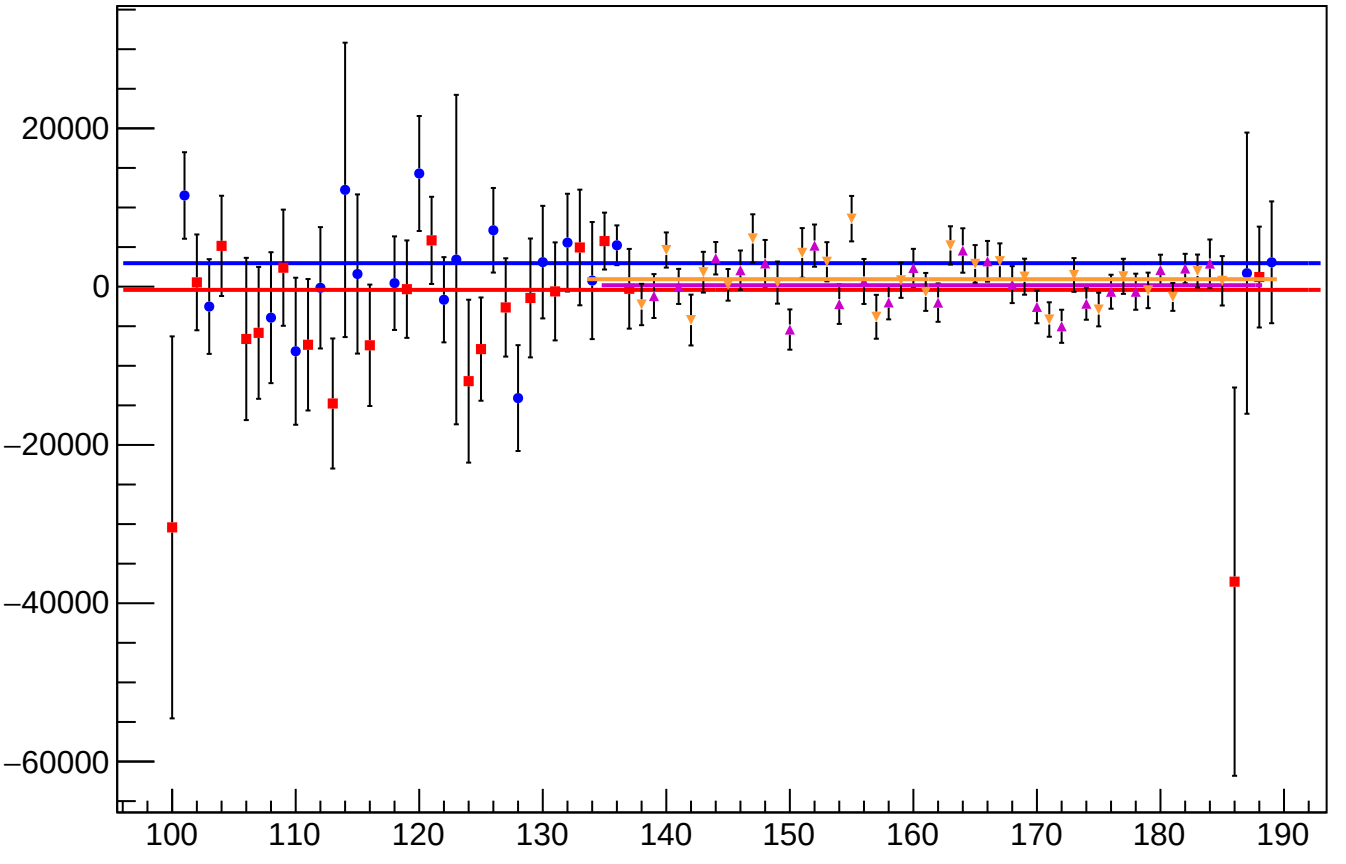
Right: 6038.753+/-3.264 $\chi^2$/NDF: 258873.2/3

In: 2060.815+/-0.347 $\chi^2$/NDF:1052096.9/24

Out: 2057.220+/-0.338 $\chi^2$/NDF:1975360.7/26

All: 2058.974+/-0.242 $\chi^2$/NDF: 3027512.7/51

# asym_sam2_mean vs Slug, Sign Corrected




Right In: 2964.705+/-1411.426 $\chi^2$/NDF: 17.4/18

Left Out: 942.775+/-474.439 $\chi^2$/NDF:38.3/24

Right Out: -407.259+/-1463.977 $\chi^2$/NDF: 17.7/20

Left In: 180.087+/-486.112 $\chi^2$/NDF:32.9/22

Left: 570.698+/-339.531 $\chi^2$/NDF: 72.5/47

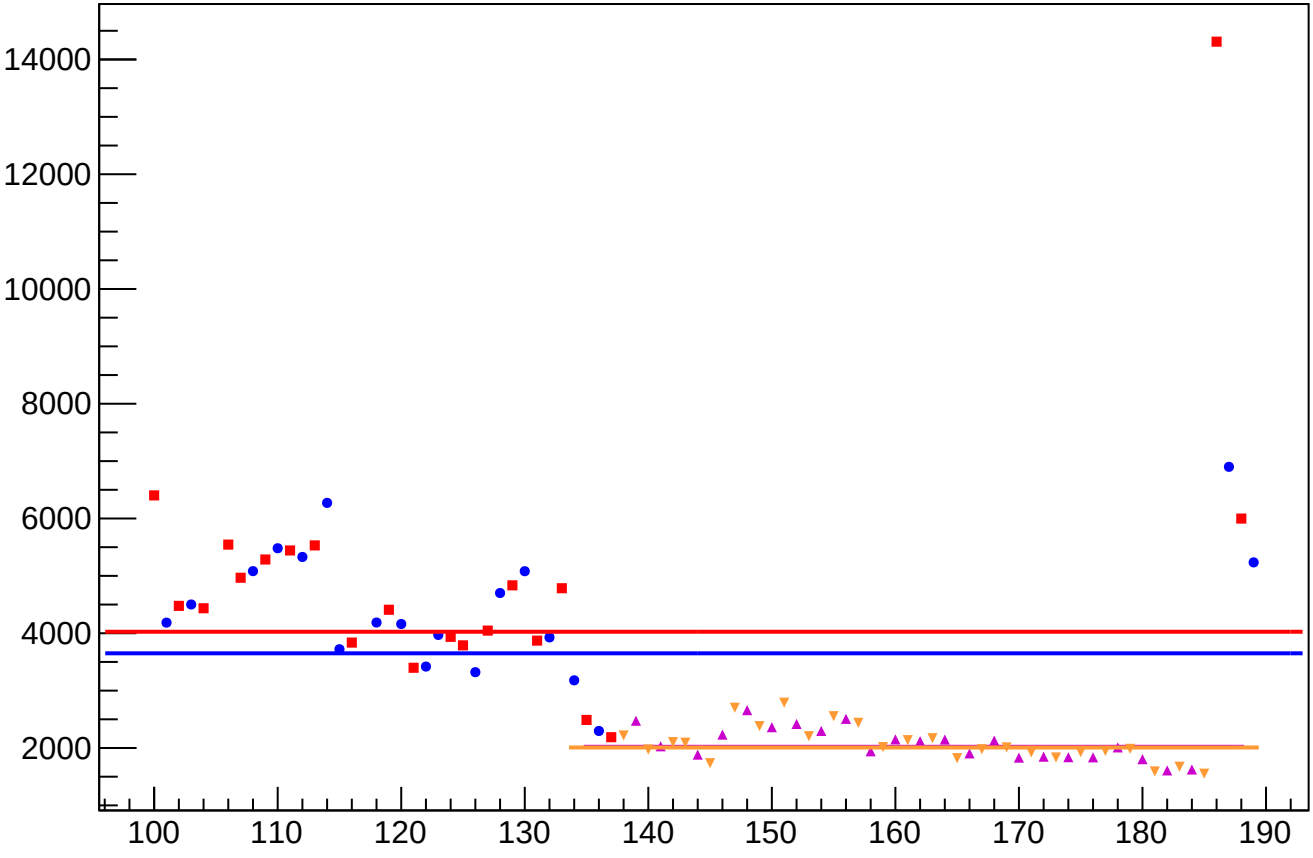
Right: 1340.329+/-1016.099 $\chi^2$/NDF: 37.8/39

In: 475.371+/-459.616 $\chi^2$/NDF:53.8/41

Out: 814.464+/-451.330 $\chi^2$/NDF:56.7/45

All: 648.001+/-322.028 $\chi^2$/NDF: 110.8/87

# asym_sam2_rms vs Slug, Sign Corrected




Right In: 3650.359+/-0.998 $\chi^2$/NDF: 1246180.6/18

Left Out: 2008.897+/-0.335 $\chi^2$/NDF:709254.4/24

Right Out: 4026.107+/-1.035 $\chi^2$/NDF: 1551290.2/20

Left In: 2020.887+/-0.344 $\chi^2$/NDF:576363.5/22

Left: 2014.747+/-0.240 $\chi^2$/NDF: 1286241.1/47

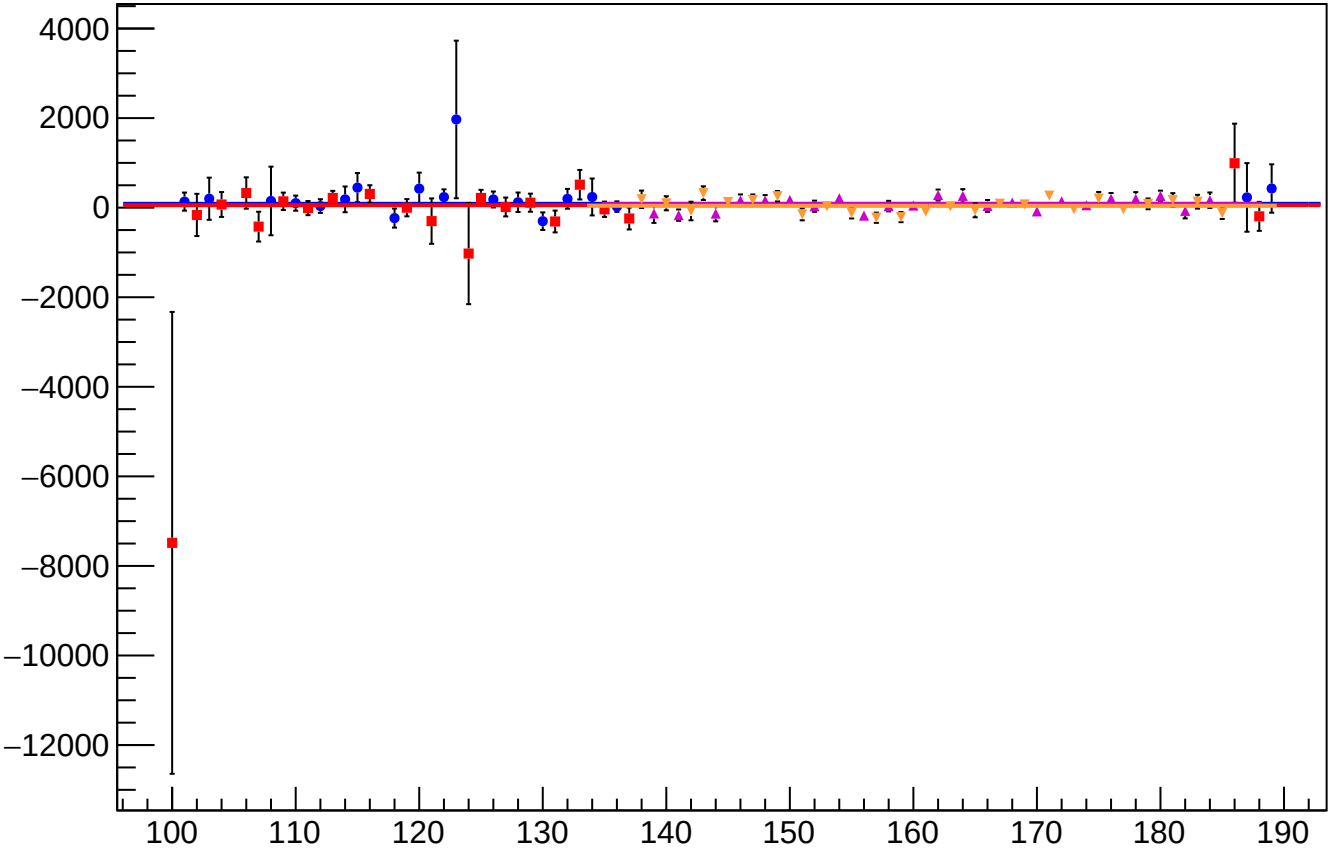
Right: 3831.368+/-0.718 $\chi^2$/NDF: 2865753.5/39

In: 2193.678+/-0.325 $\chi^2$/NDF:4205551.4/41

Out: 2200.619+/-0.319 $\chi^2$/NDF:5696848.5/45

All: 2197.212+/-0.228 $\chi^2$/NDF: 9902632.1/87

# dit_asym_sam3_mean vs Slug, Sign Corrected




Right In: 85.665+/-51.552 $\chi^2$/NDF: 12.0/18

Left Out: 41.847+/-23.035 $\chi^2$/NDF:39.1/24

Right Out: 55.666+/-52.371 $\chi^2$/NDF: 18.2/20

Left In: 82.630+/-24.154 $\chi^2$/NDF:28.6/22

Left: 61.273+/-16.670 $\chi^2$/NDF: 69.2/47

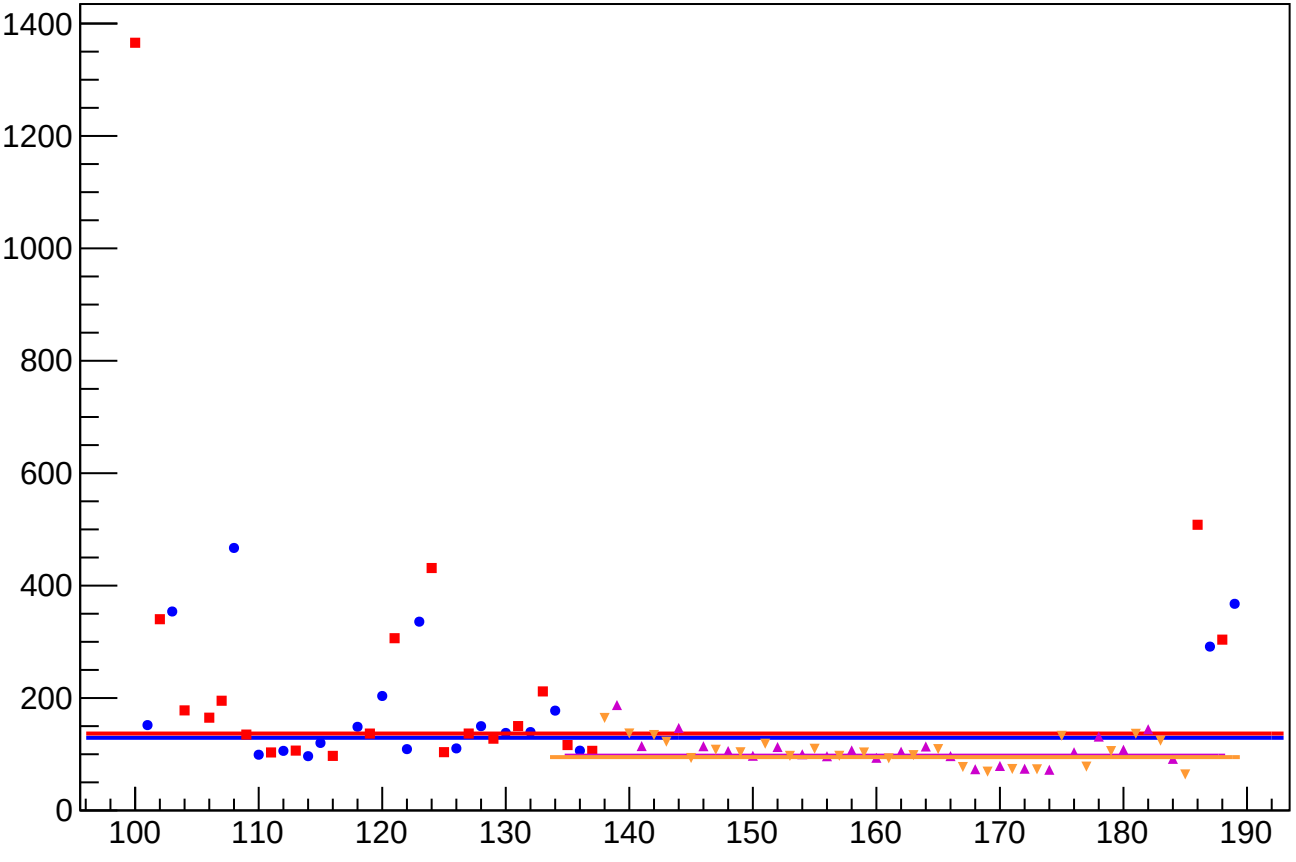
Right: 70.902+/-36.739 $\chi^2$/NDF: 30.3/39

In: 83.176+/-21.872 $\chi^2$/NDF:40.6/41

Out: 44.087+/-21.086 $\chi^2$/NDF:57.3/45

All: 62.917+/-15.180 $\chi^2$/NDF: 99.6/87

# dit_asym_sam3_rms vs Slug, Sign Corrected




Right In: 129.283+/-0.036 $\chi^2$/NDF: 1795749.7/18

Left Out: 94.886+/-0.016 $\chi^2$/NDF:1796861.0/24

Right Out: 136.852+/-0.037 $\chi^2$/NDF: 2338431.5/20

Left In: 97.499+/-0.017 $\chi^2$/NDF:1561333.1/22

Left: 96.131+/-0.012 $\chi^2$/NDF: 3370445.2/47

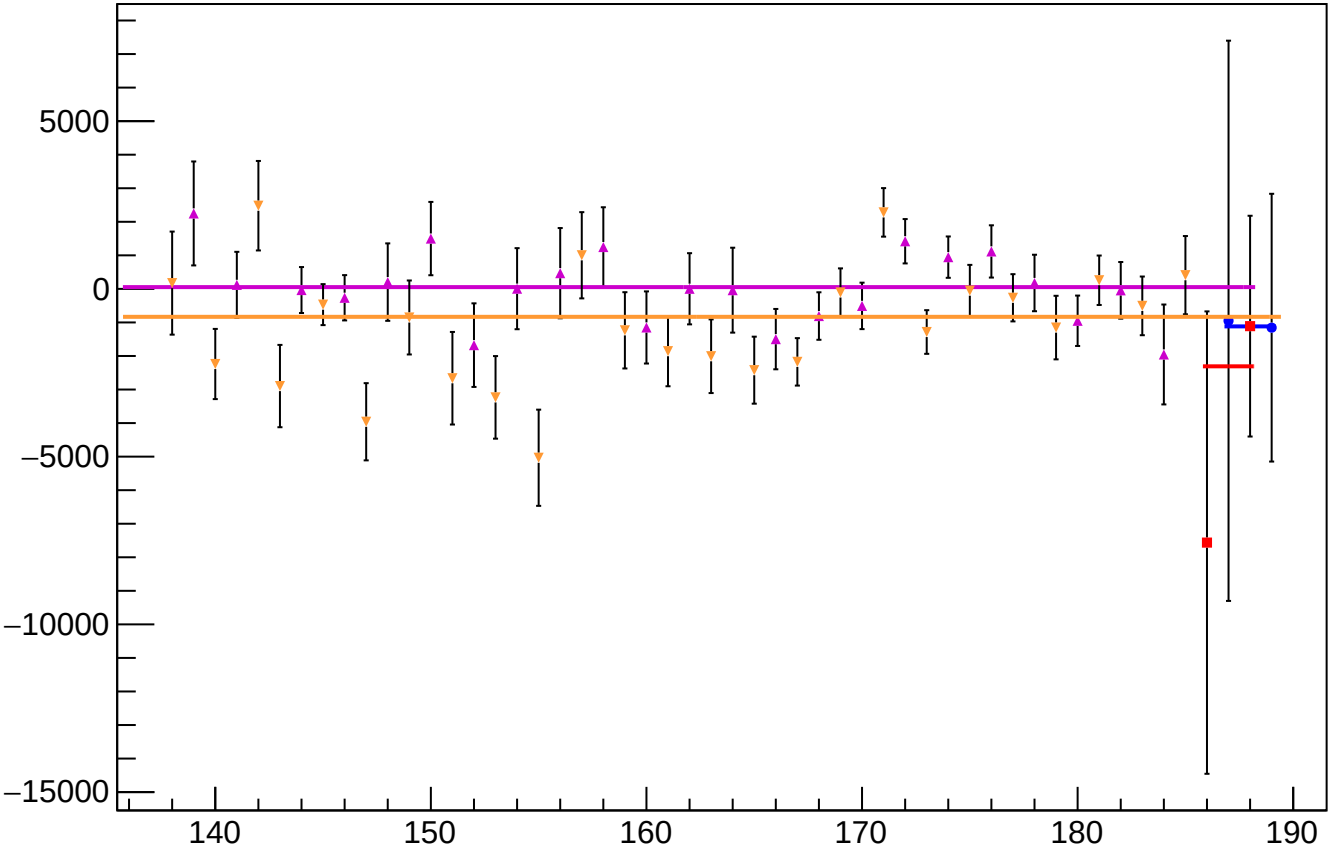
Right: 133.008+/-0.026 $\chi^2$/NDF: 4155398.7/39

In: 103.220+/-0.015 $\chi^2$/NDF:3980493.1/41

Out: 101.689+/-0.015 $\chi^2$/NDF:5211330.9/45

All: 102.427+/-0.011 $\chi^2$/NDF: 9196900.7/87

# asym_sam3_correction_mean vs Slug, Sign Corrected




Right In: -1117.930+/-3600.516 $\chi^2$/NDF: 0.0/1

Left Out: -832.580+/-183.960 $\chi^2$/NDF:68.8/24

Right Out: -2308.116+/-2969.151 $\chi^2$/NDF: 0.7/1

Left In: 53.006+/-184.870 $\chi^2$/NDF:25.3/22

Left: -391.972+/-130.400 $\chi^2$/NDF: 105.7/47

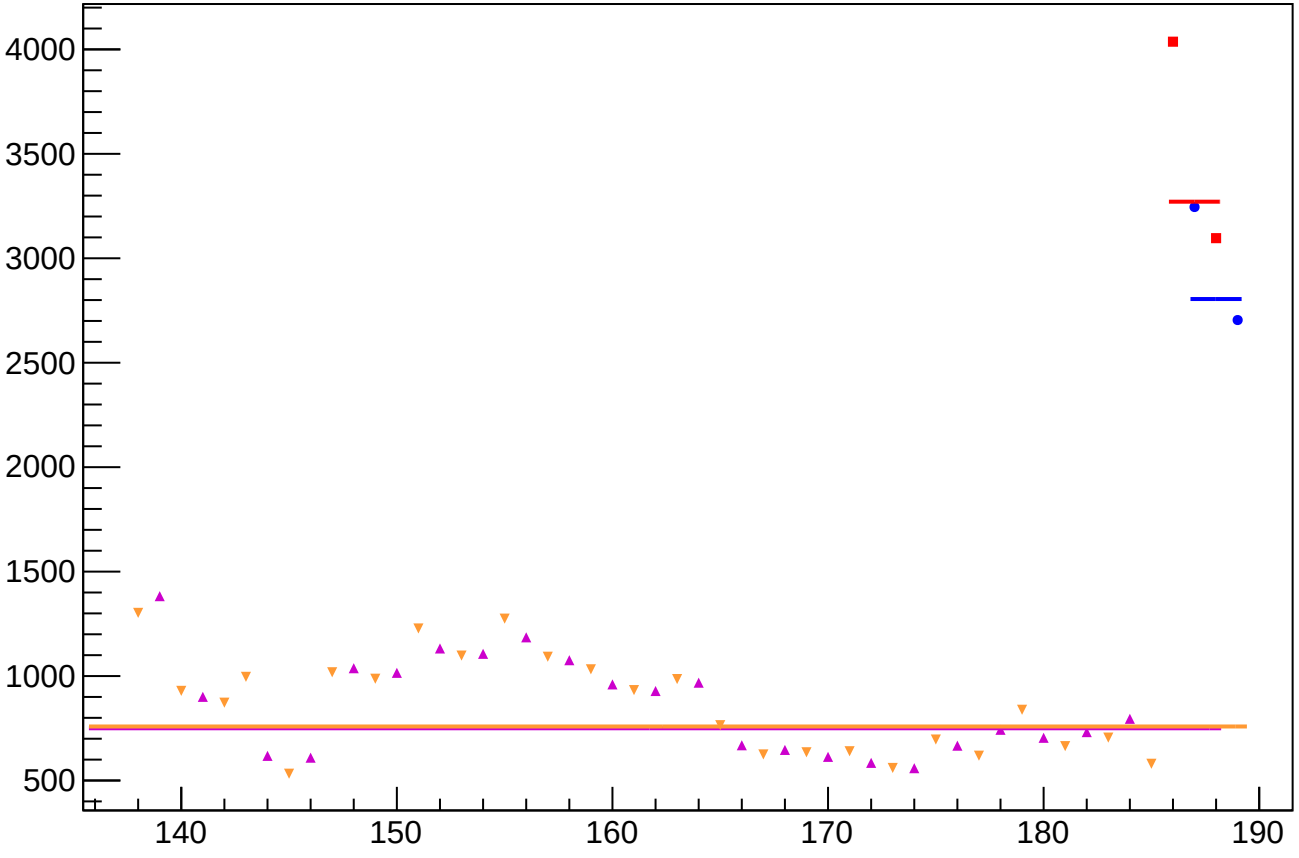
Right: -1826.357+/-2290.722 $\chi^2$/NDF: 0.8/3

In: 49.927+/-184.627 $\chi^2$/NDF:25.4/24

Out: -838.222+/-183.608 $\chi^2$/NDF:69.8/26

All: -396.605+/-130.189 $\chi^2$/NDF: 106.8/51

# asym_sam3_correction_rms vs Slug, Sign Corrected




Right In: 2804.944+/-2.546 $\chi^2$/NDF: 6836.0/1

Left Out: 758.608+/-0.130 $\chi^2$/NDF:2453711.9/24

Right Out: 3270.937+/-2.100 $\chi^2$/NDF: 30337.0/1

Left In: 749.995+/-0.131 $\chi^2$/NDF:2186634.5/22

Left: 754.323+/-0.092 $\chi^2$/NDF: 4642527.3/47

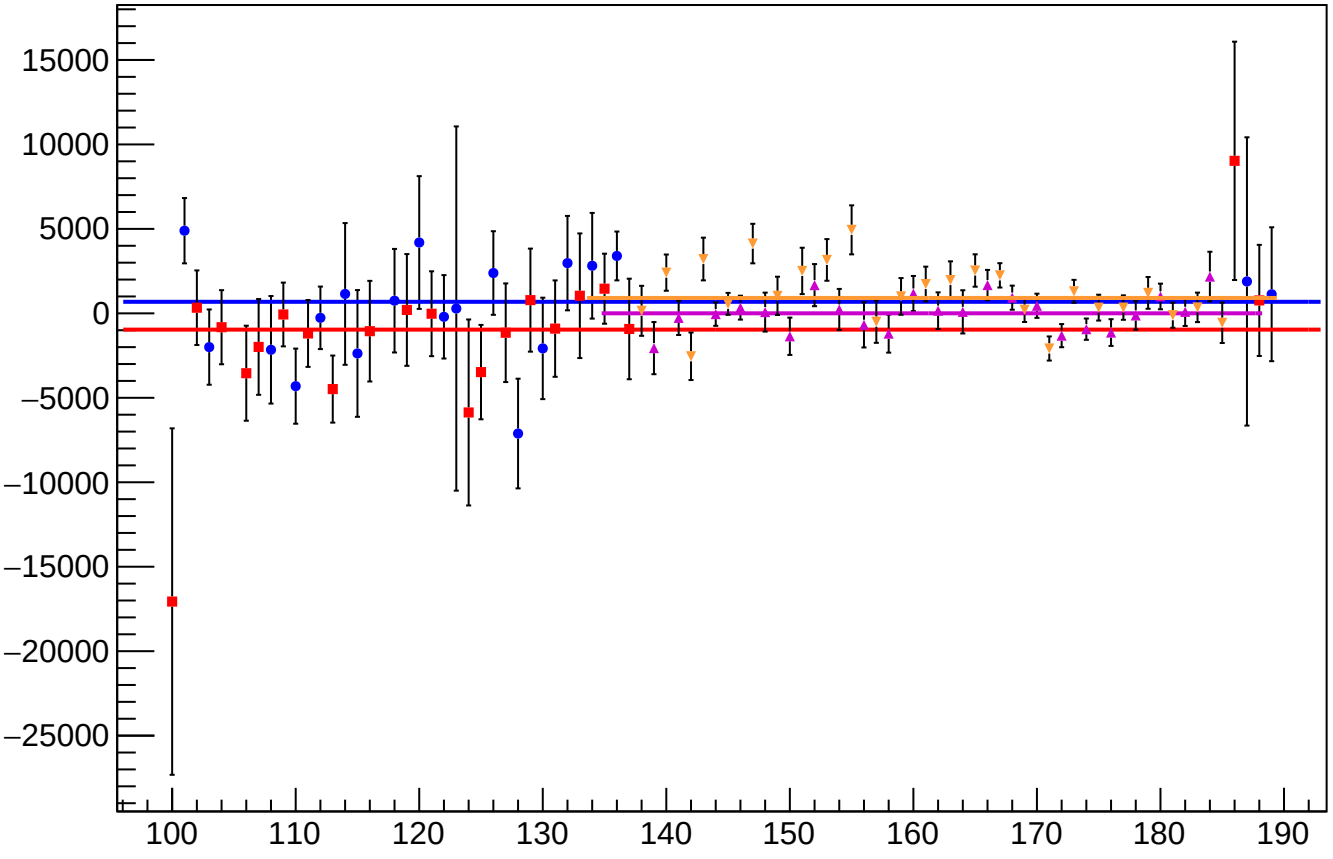
Right: 3082.314+/-1.620 $\chi^2$/NDF: 57113.6/3

In: 755.399+/-0.131 $\chi^2$/NDF:2843239.3/24

Out: 768.215+/-0.130 $\chi^2$/NDF:3910492.2/26

All: 761.842+/-0.092 $\chi^2$/NDF: 6758576.8/51

# asym_sam3_mean vs Slug, Sign Corrected




Right In: 683.693+/-609.869 $\chi^2$/NDF: 25.7/18

Left Out: 911.919+/-186.104 $\chi^2$/NDF:64.9/24

Right Out: -963.317+/-590.691 $\chi^2$/NDF: 13.3/20

Left In: 2.470+/-187.271 $\chi^2$/NDF:25.6/22

Left: 460.036+/-132.006 $\chi^2$/NDF: 102.4/47

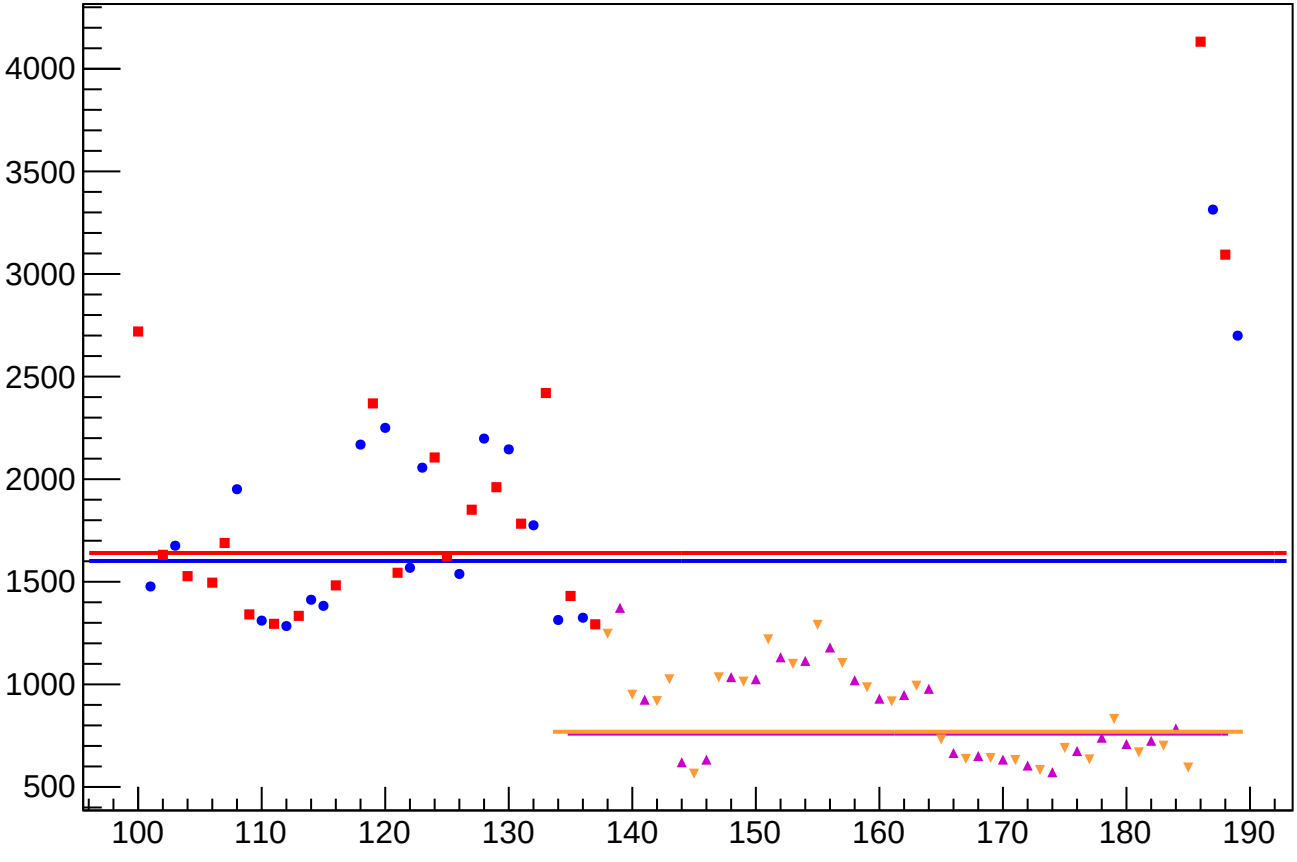
Right: -166.115+/-424.300 $\chi^2$/NDF: 42.8/39

In: 61.168+/-179.021 $\chi^2$/NDF:52.4/41

Out: 742.584+/-177.503 $\chi^2$/NDF:87.4/45

All: 404.778+/-126.047 $\chi^2$/NDF: 147.1/87

# asym_sam3_rms vs Slug, Sign Corrected




Right In: 1601.394+/-0.431 $\chi^2$/NDF: 731499.4/18

Left Out: 769.207+/-0.132 $\chi^2$/NDF:2275390.6/24

Right Out: 1640.351+/-0.418 $\chi^2$/NDF: 1127009.6/20

Left In: 759.935+/-0.132 $\chi^2$/NDF:2014703.5/22

Left: 764.600+/-0.093 $\chi^2$/NDF: 4292560.8/47

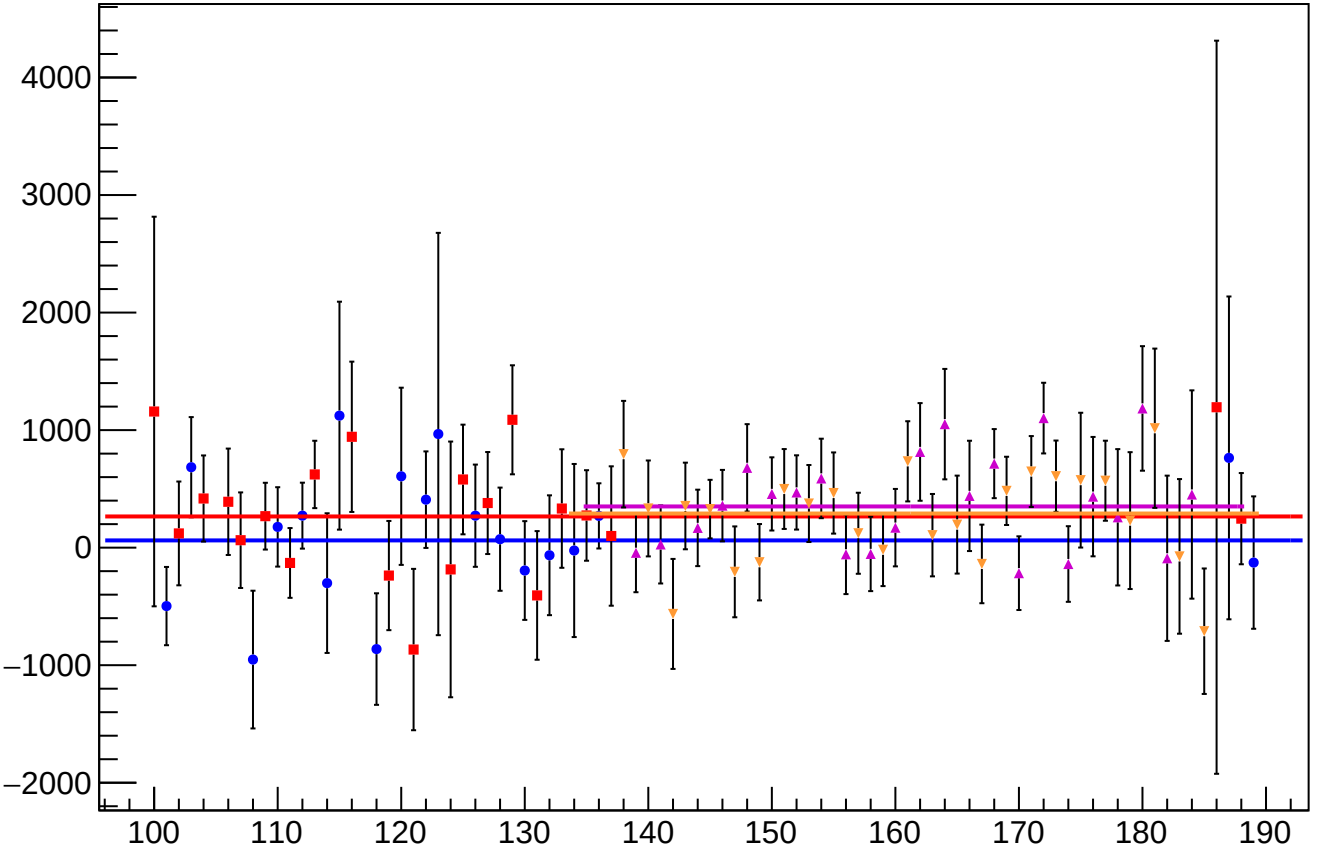
Right: 1621.495+/-0.300 $\chi^2$/NDF: 1862719.8/39

In: 832.440+/-0.127 $\chi^2$/NDF:6225490.5/41

Out: 847.872+/-0.126 $\chi^2$/NDF:7359592.6/45

All: 840.222+/-0.089 $\chi^2$/NDF: 13592577.0/87

# dit_asym_sam4_mean vs Slug, Sign Corrected




Right In: 61.620+/-103.248 $\chi^2$/NDF: 17.1/18

Left Out: 290.293+/-72.910 $\chi^2$/NDF:22.3/24

Right Out: 265.378+/-96.227 $\chi^2$/NDF: 14.8/20

Left In: 350.522+/-75.911 $\chi^2$/NDF:27.4/22

Left: 319.194+/-52.584 $\chi^2$/NDF: 50.1/47

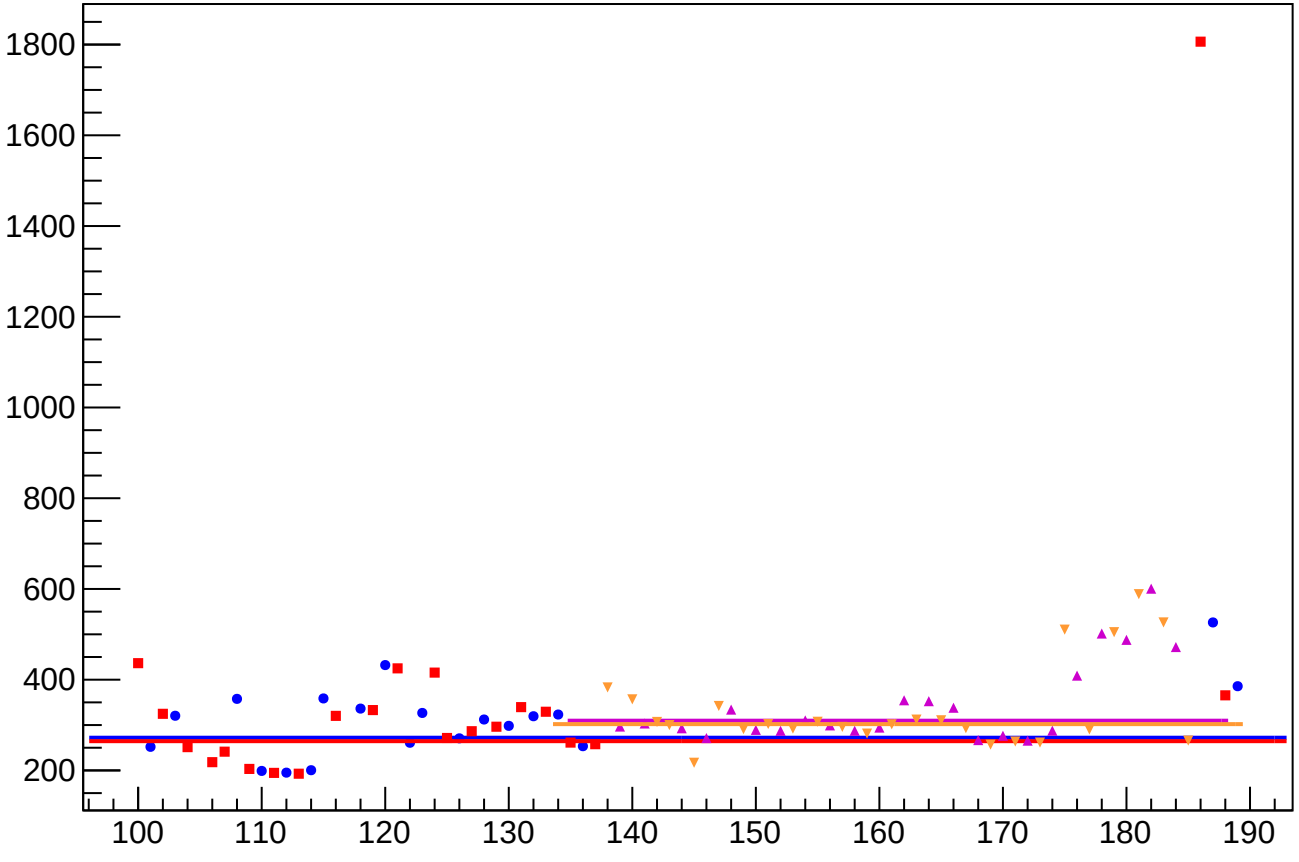
Right: 170.663+/-70.394 $\chi^2$/NDF: 34.0/39

In: 249.151+/-61.160 $\chi^2$/NDF:49.6/41

Out: 281.206+/-58.113 $\chi^2$/NDF:37.2/45

All: 265.997+/-42.128 $\chi^2$/NDF: 86.9/87

# dit_asym_sam4_rms vs Slug, Sign Corrected




Right In: 272.091+/-0.073 $\chi^2$/NDF: 705904.7/18

Left Out: 302.040+/-0.052 $\chi^2$/NDF:1597233.8/24

Right Out: 264.462+/-0.068 $\chi^2$/NDF: 1335022.9/20

Left In: 309.609+/-0.054 $\chi^2$/NDF:1180280.8/22

Left: 305.672+/-0.037 $\chi^2$/NDF: 2787857.1/47

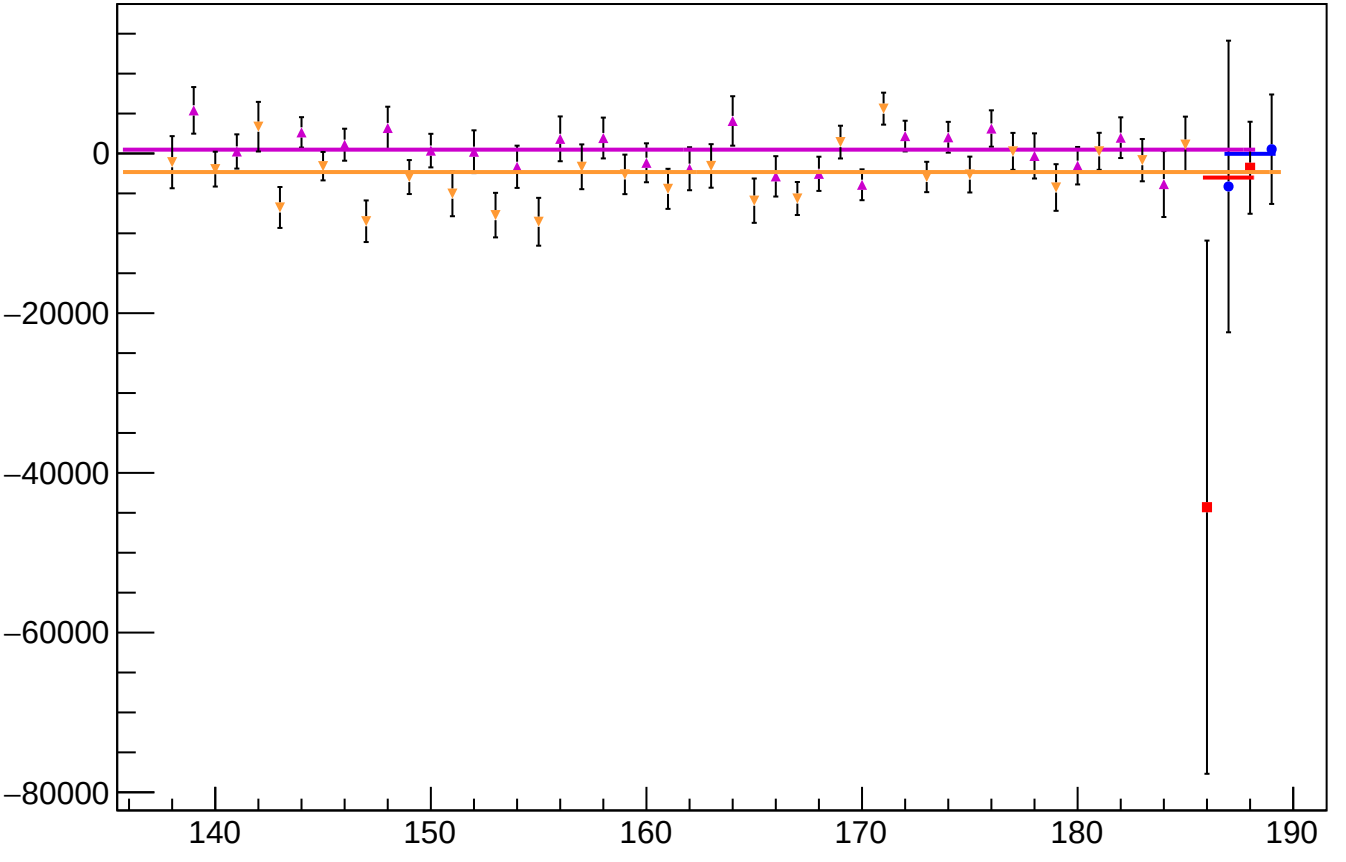
Right: 268.008+/-0.050 $\chi^2$/NDF: 2046771.2/39

In: 296.445+/-0.043 $\chi^2$/NDF:2057611.1/41

Out: 288.335+/-0.041 $\chi^2$/NDF:3126026.7/45

All: 292.183+/-0.030 $\chi^2$/NDF: 5202117.7/87

# asym_sam4_correction_mean vs Slug, Sign Corrected




Right In: -42.720+/-6416.931 $\chi^2$/NDF: 0.1/1

Left Out: -2325.488+/-486.043 $\chi^2$/NDF:49.8/24

Right Out: -3018.161+/-5677.745 $\chi^2$/NDF: 1.6/1

Left In: 477.779+/-494.228 $\chi^2$/NDF:23.1/22

Left: -947.260+/-346.542 $\chi^2$/NDF: 89.2/47

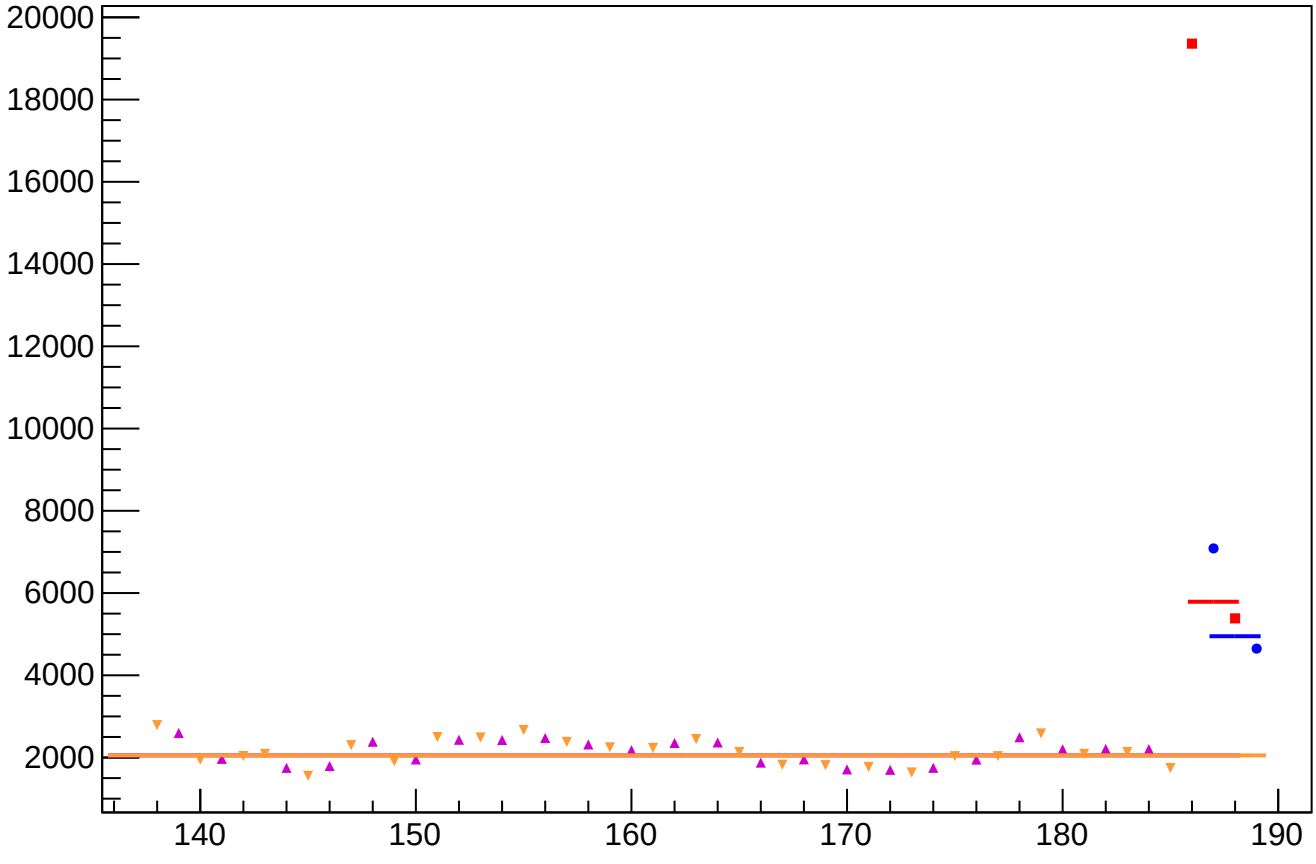
Right: -1711.613+/-4252.207 $\chi^2$/NDF: 1.8/3

In: 474.710+/-492.769 $\chi^2$/NDF:23.1/24

Out: -2330.527+/-484.272 $\chi^2$/NDF:51.4/26

All: -952.303+/-345.397 $\chi^2$/NDF: 91.0/51

# asym_sam4_correction_rms vs Slug, Sign Corrected




Right In: 4949.826+/-4.537 $\chi^2$/NDF: 31214.1/1

Left Out: 2052.401+/-0.344 $\chi^2$/NDF:838023.2/24

Right Out: 5788.281+/-4.015 $\chi^2$/NDF: 340320.3/1

Left In: 2052.384+/-0.349 $\chi^2$/NDF:653872.2/22

Left: 2052.392+/-0.245 $\chi^2$/NDF: 1491895.3/47

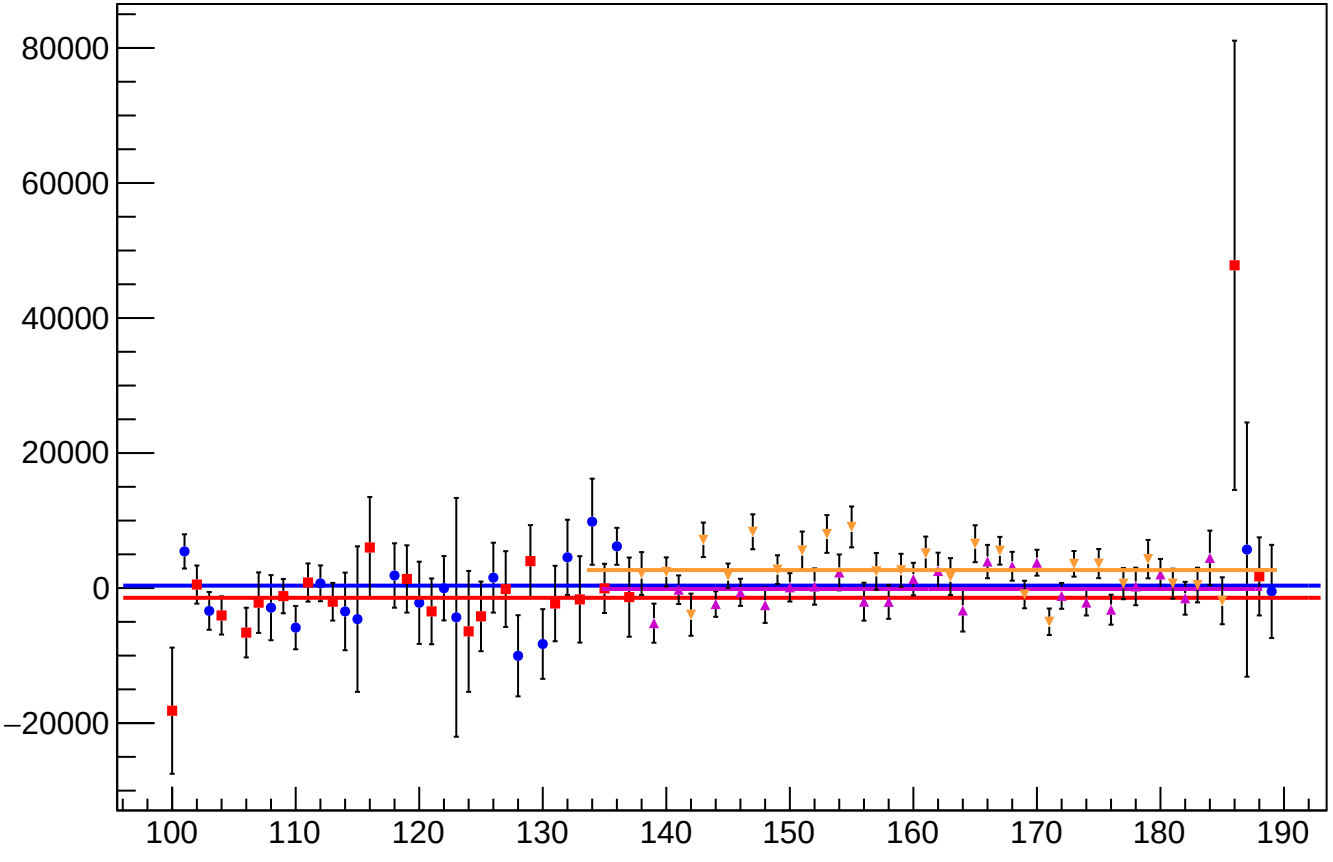
Right: 5420.106+/-3.007 $\chi^2$/NDF: 390686.2/3

In: 2069.470+/-0.348 $\chi^2$/NDF:1090441.8/24

Out: 2079.579+/-0.342 $\chi^2$/NDF:2037937.1/26

All: 2074.612+/-0.244 $\chi^2$/NDF: 3128807.1/51

# asym_sam4_mean vs Slug, Sign Corrected




Right In: 363.503+/-981.042 $\chi^2$/NDF: 24.3/18

Left Out: 2667.050+/-480.963 $\chi^2$/NDF:50.0/24

Right Out: -1438.491+/-912.090 $\chi^2$/NDF: 13.0/20

Left In: -132.307+/-489.752 $\chi^2$/NDF:24.7/22

Left: 1292.715+/-343.157 $\chi^2$/NDF: 91.3/47

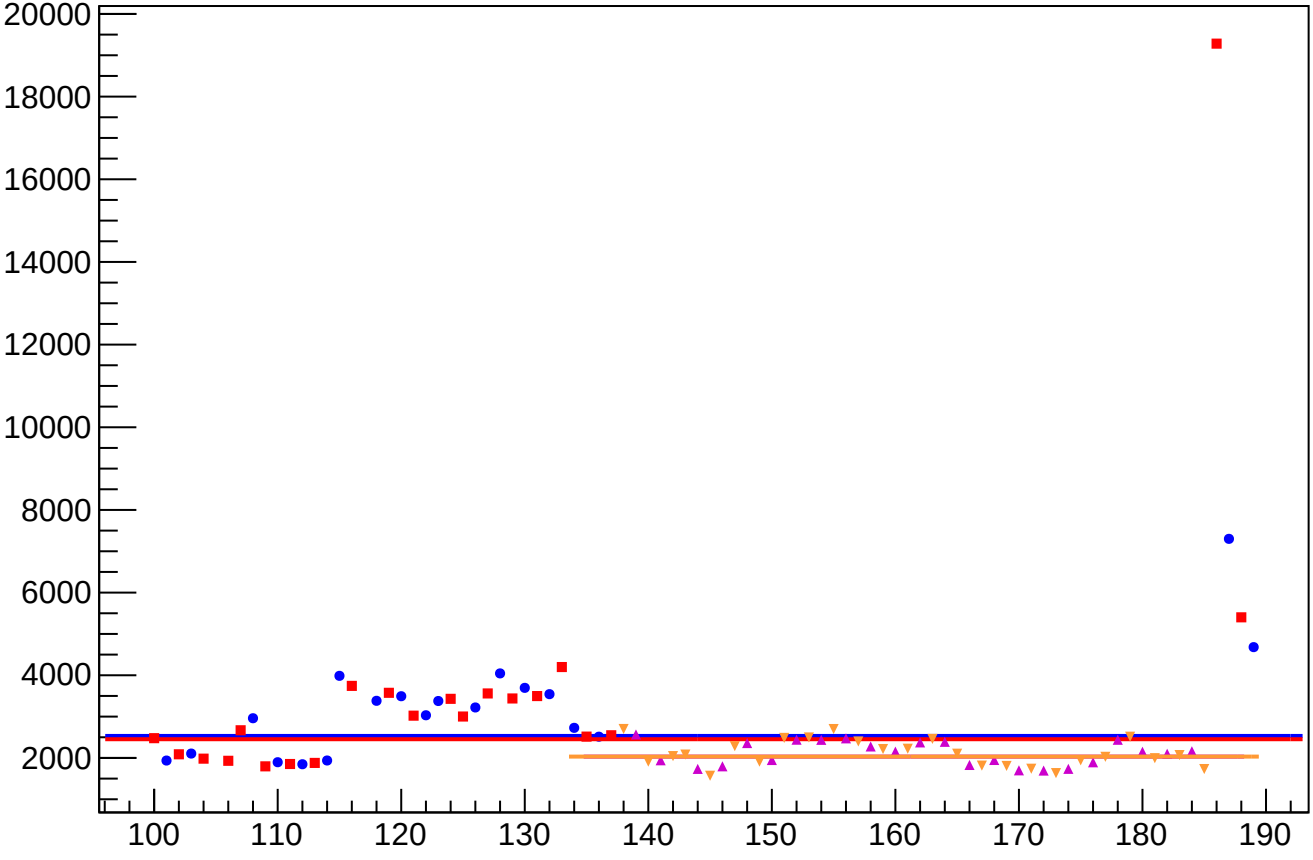
Right: -603.039+/-667.993 $\chi^2$/NDF: 39.1/39

In: -33.394+/-438.185 $\chi^2$/NDF:49.2/41

Out: 1773.817+/-425.437 $\chi^2$/NDF:78.9/45

All: 896.882+/-305.237 $\chi^2$/NDF: 136.8/87

# asym_sam4_rms vs Slug, Sign Corrected




Right In: 2532.063+/-0.694 $\chi^2$/NDF: 1235108.5/18

Left Out: 2032.502+/-0.340 $\chi^2$/NDF:824418.6/24

Right Out: 2452.747+/-0.645 $\chi^2$/NDF: 2073201.0/20

Left In: 2031.692+/-0.346 $\chi^2$/NDF:653382.0/22

Left: 2032.104+/-0.243 $\chi^2$/NDF: 1477803.4/47

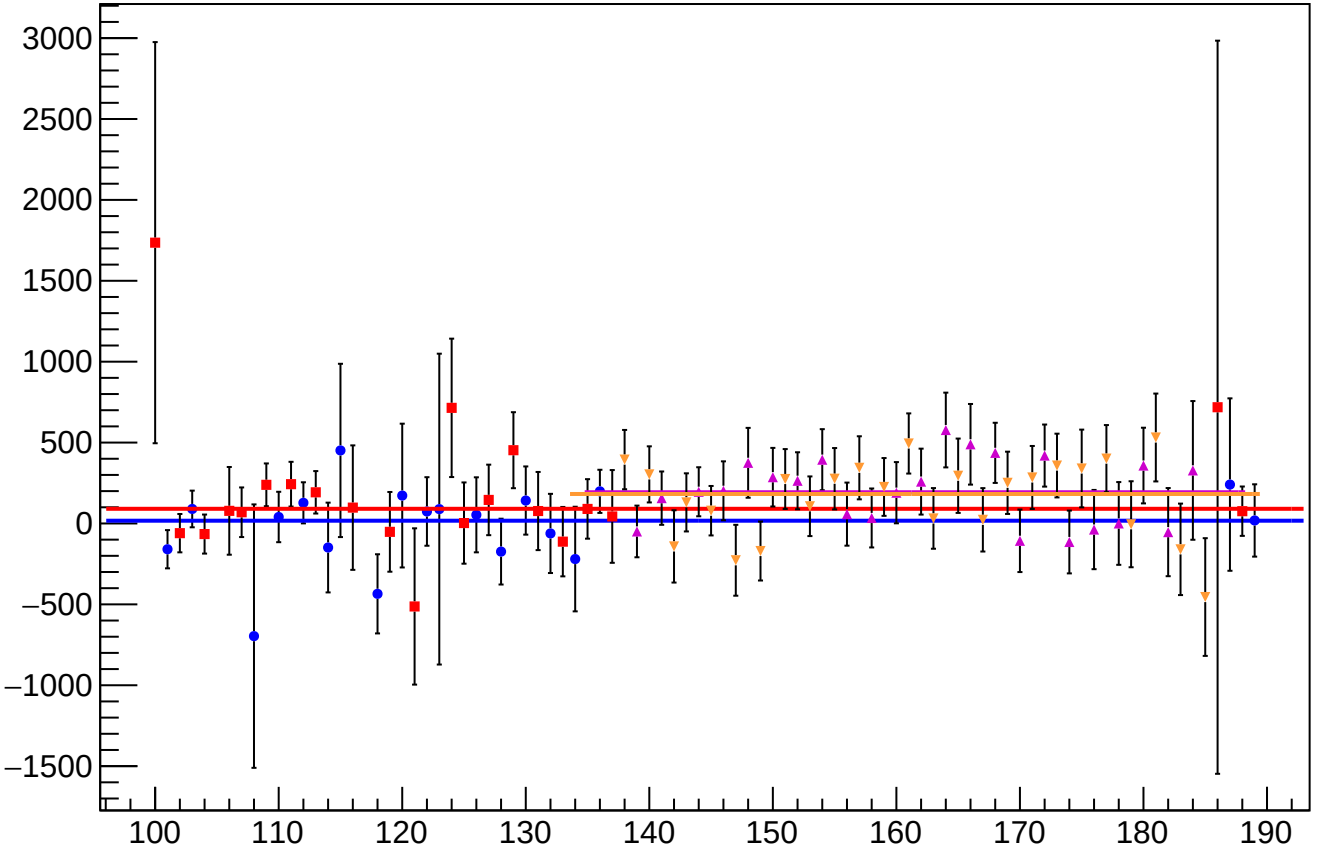
Right: 2489.520+/-0.472 $\chi^2$/NDF: 3315321.6/39

In: 2131.515+/-0.310 $\chi^2$/NDF:2304977.4/41

Out: 2123.934+/-0.301 $\chi^2$/NDF:3229824.1/45

All: 2127.613+/-0.216 $\chi^2$/NDF: 5535109.8/87

# dit_asym_sam5_mean vs Slug, Sign Corrected




Right In: 17.065+/-45.308 $\chi^2$/NDF: 12.7/18

Left Out: 182.238+/-40.102 $\chi^2$/NDF:26.9/24

Right Out: 90.672+/-41.664 $\chi^2$/NDF: 15.7/20

Left In: 193.004+/-41.384 $\chi^2$/NDF:21.1/22

Left: 187.451+/-28.799 $\chi^2$/NDF: 48.0/47

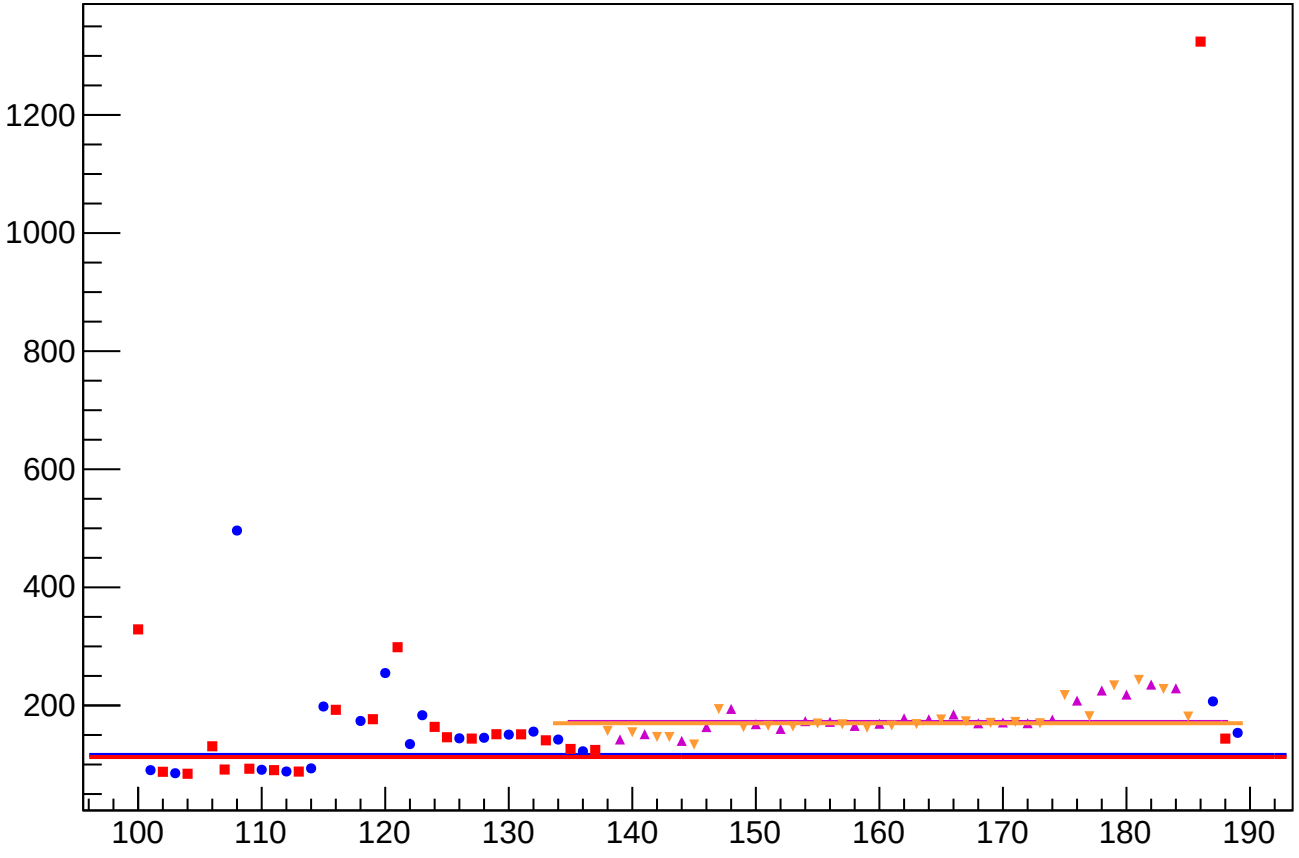
Right: 56.947+/-30.668 $\chi^2$/NDF: 29.9/39

In: 112.980+/-30.556 $\chi^2$/NDF:42.0/41

Out: 138.203+/-28.893 $\chi^2$/NDF:45.2/45

All: 126.297+/-20.994 $\chi^2$/NDF: 87.6/87

# dit_asym_sam5_rms vs Slug, Sign Corrected




Right In: 116.234+/-0.032 $\chi^2$/NDF: 1526560.8/18

Left Out: 169.906+/-0.028 $\chi^2$/NDF:663159.2/24

Right Out: 112.668+/-0.029 $\chi^2$/NDF: 1906846.9/20

Left In: 172.065+/-0.029 $\chi^2$/NDF:589733.9/22

Left: 170.952+/-0.020 $\chi^2$/NDF: 1255701.2/47

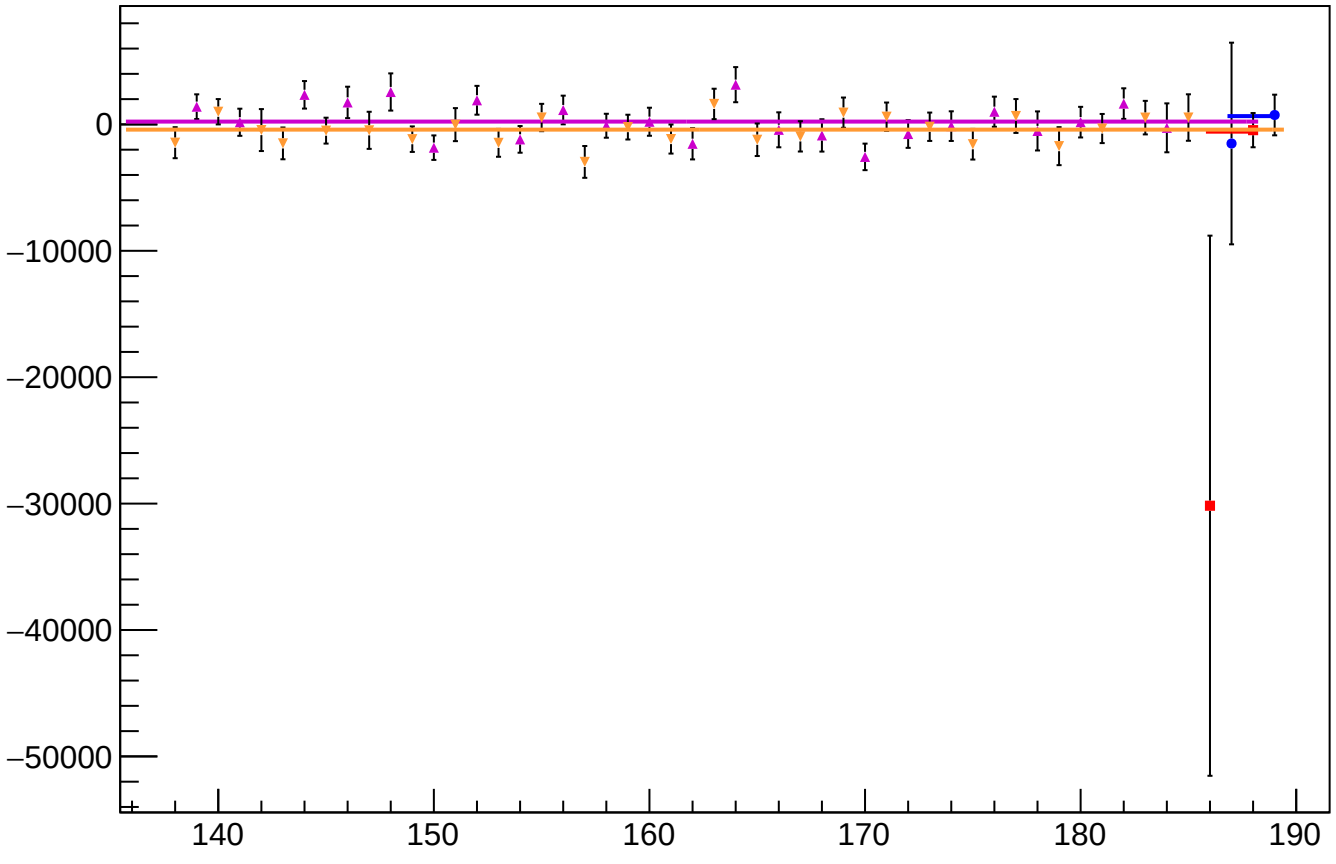
Right: 114.302+/-0.022 $\chi^2$/NDF: 3440119.8/39

In: 146.671+/-0.022 $\chi^2$/NDF:3771945.7/41

Out: 142.380+/-0.020 $\chi^2$/NDF:4529428.1/45

All: 144.406+/-0.015 $\chi^2$/NDF: 8322199.2/87

# asym_sam5_correction_mean vs Slug, Sign Corrected




Right In: 656.750+/-1576.256 $\chi^2$/NDF: 0.1/1

Left Out: -412.804+/-240.278 $\chi^2$/NDF:19.0/24

Right Out: -572.857+/-1351.375 $\chi^2$/NDF: 1.9/1

Left In: 223.332+/-243.771 $\chi^2$/NDF:36.0/22

Left: -99.327+/-171.124 $\chi^2$/NDF: 58.5/47

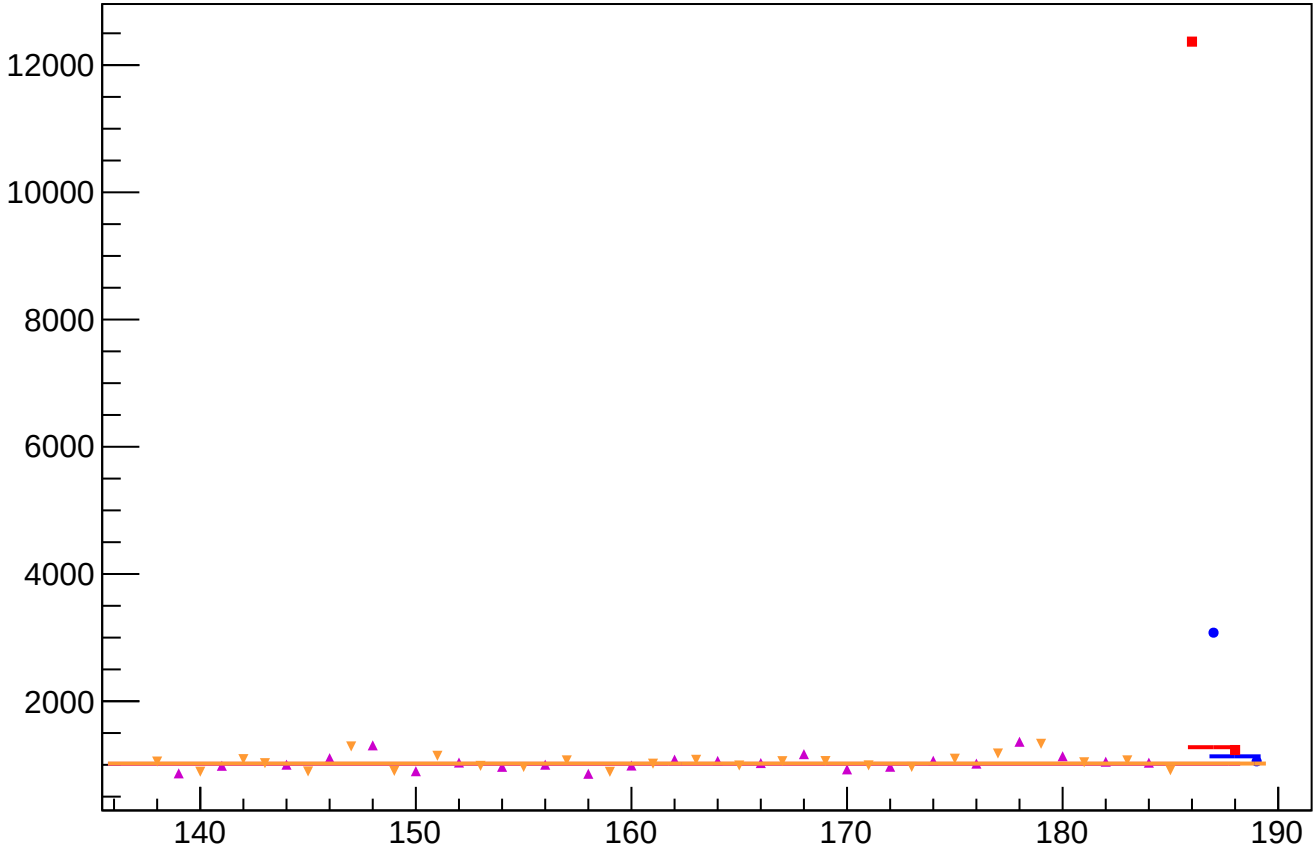
Right: -51.950+/-1025.944 $\chi^2$/NDF: 2.4/3

In: 233.456+/-240.907 $\chi^2$/NDF:36.2/24

Out: -417.709+/-236.568 $\chi^2$/NDF:21.0/26

All: -98.044+/-168.792 $\chi^2$/NDF: 60.9/51

# asym_sam5_correction_rms vs Slug, Sign Corrected




Right In: 1133.654+/-1.115 $\chi^2$/NDF: 123583.4/1

Left Out: 1020.149+/-0.170 $\chi^2$/NDF:369866.7/24

Right Out: 1277.211+/-0.956 $\chi^2$/NDF: 541115.1/1

Left In: 1015.000+/-0.172 $\chi^2$/NDF:404865.5/22

Left: 1017.611+/-0.121 $\chi^2$/NDF: 775184.8/47

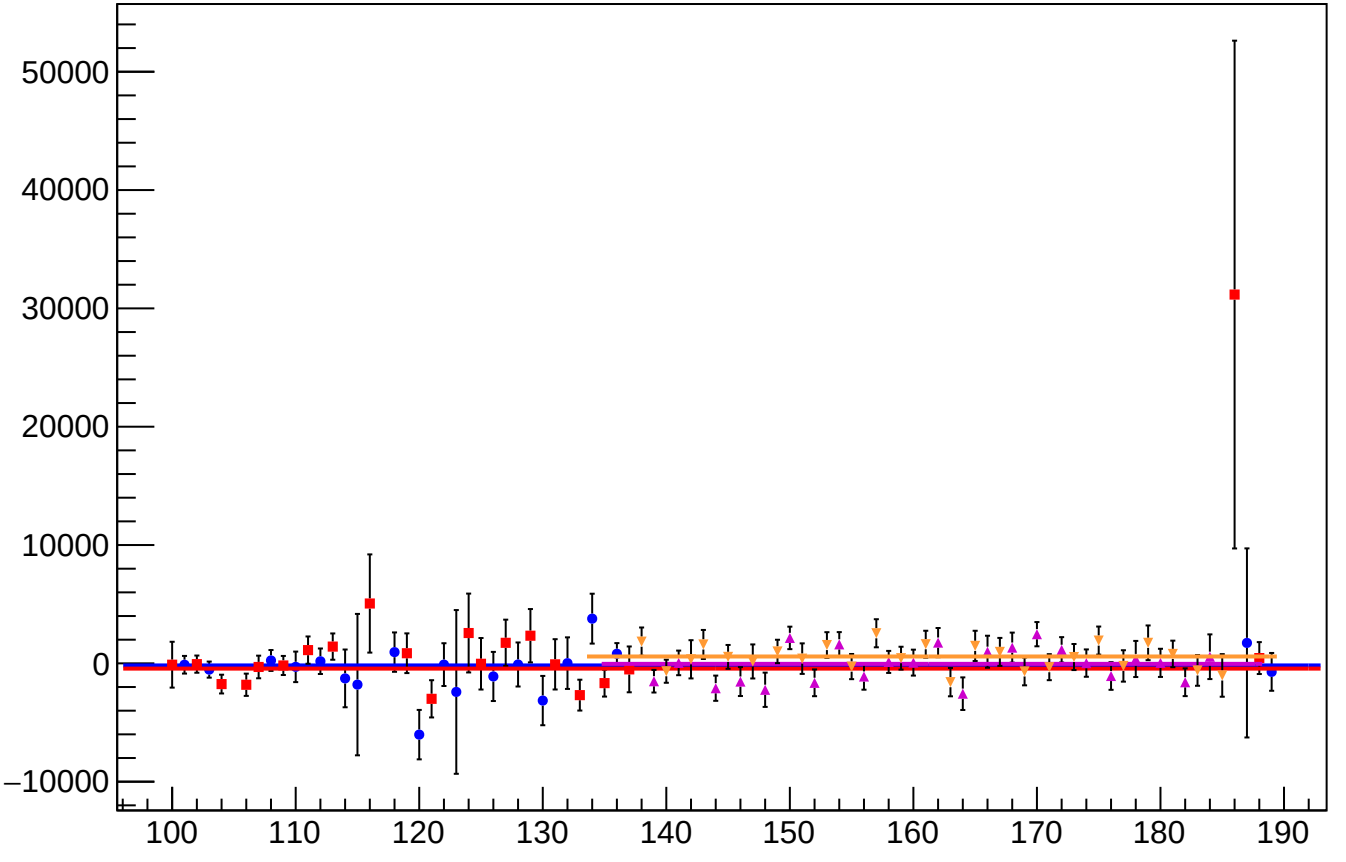
Right: 1216.395+/-0.725 $\chi^2$/NDF: 674259.8/3

In: 1017.771+/-0.170 $\chi^2$/NDF:539517.1/24

Out: 1028.026+/-0.167 $\chi^2$/NDF:981133.4/26

All: 1022.992+/-0.119 $\chi^2$/NDF: 1522495.6/51

# asym_sam5_mean vs Slug, Sign Corrected




Right In: -175.091+/-306.465 $\chi^2$/NDF: 16.4/18

Left Out: 580.226+/-235.583 $\chi^2$/NDF:18.4/24

Right Out: -443.914+/-276.715 $\chi^2$/NDF: 25.3/20

Left In: -42.397+/-239.278 $\chi^2$/NDF:37.9/22

Left: 273.759+/-167.873 $\chi^2$/NDF: 59.7/47

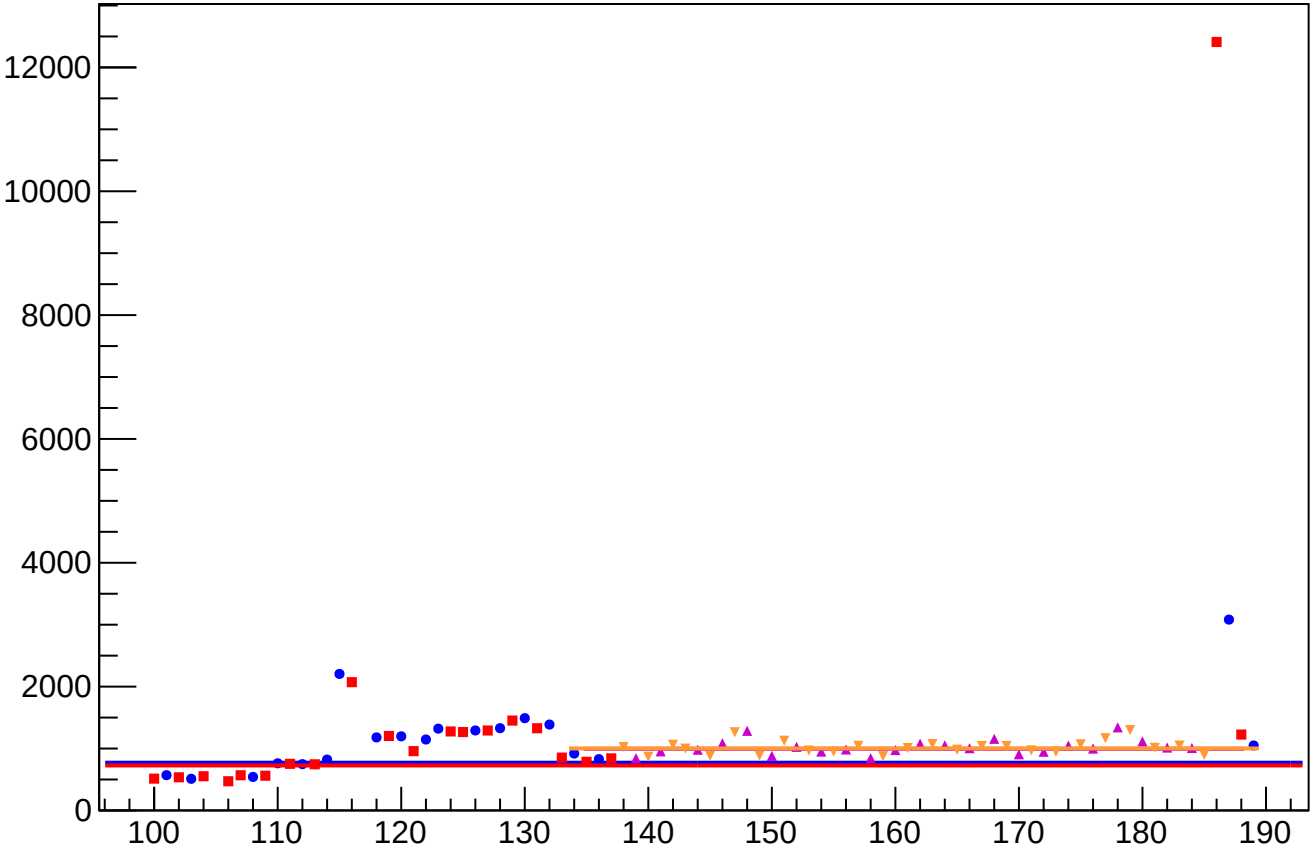
Right: -323.181+/-205.381 $\chi^2$/NDF: 42.1/39

In: -92.652+/-188.601 $\chi^2$/NDF:54.4/41

Out: 149.856+/-179.380 $\chi^2$/NDF:51.6/45

All: 34.675+/-129.978 $\chi^2$/NDF: 106.9/87

# asym_sam5_rms vs Slug, Sign Corrected




Right In: 771.130+/-0.217 $\chi^2$/NDF: 1942988.3/18

Left Out: 1001.233+/-0.167 $\chi^2$/NDF:370278.3/24

Right Out: 726.648+/-0.196 $\chi^2$/NDF: 2571352.2/20

Left In: 995.590+/-0.169 $\chi^2$/NDF:424434.6/22

Left: 998.455+/-0.119 $\chi^2$/NDF: 795277.7/47

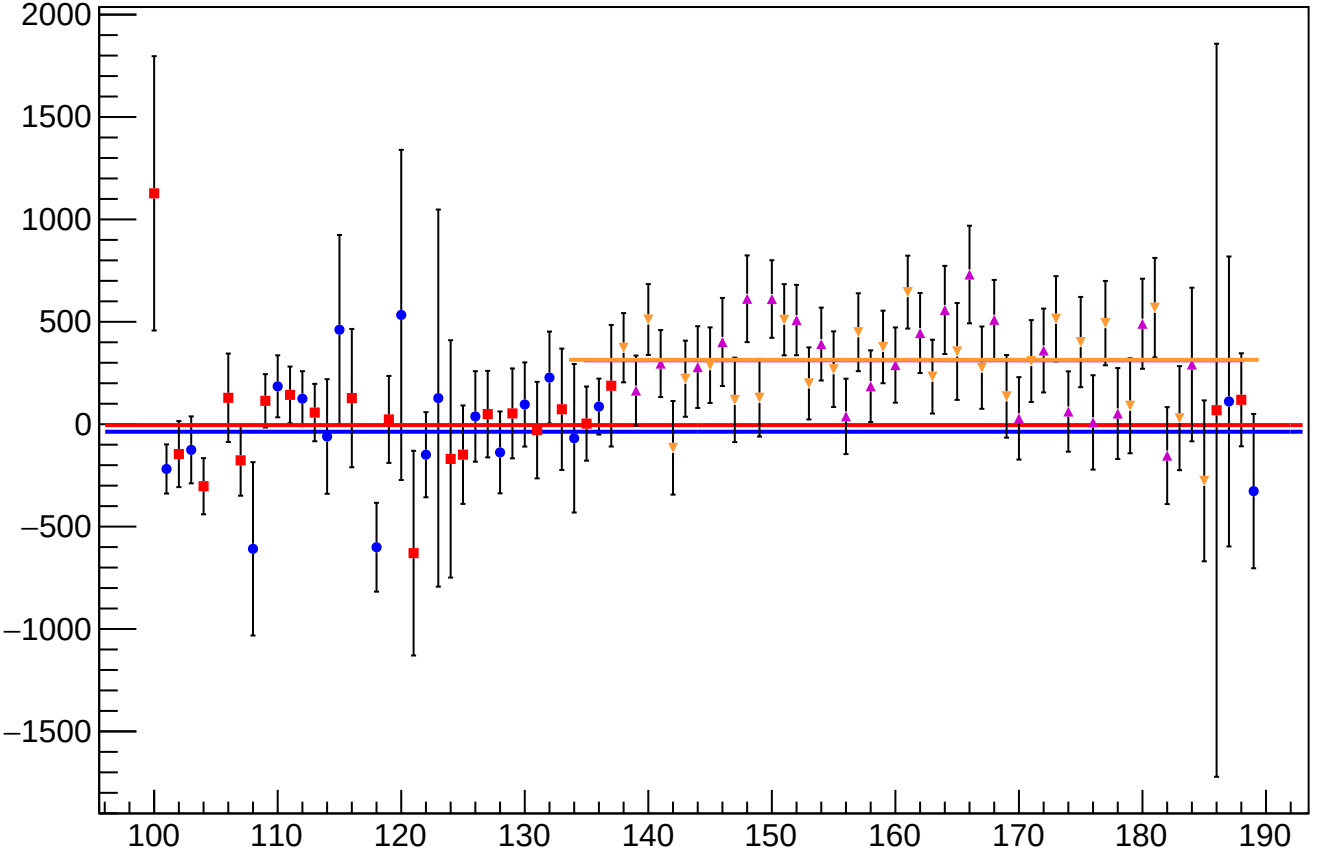
Right: 746.626+/-0.145 $\chi^2$/NDF: 4537551.8/39

In: 910.581+/-0.133 $\chi^2$/NDF:3033964.3/41

Out: 885.845+/-0.127 $\chi^2$/NDF:4083397.0/45

All: 897.594+/-0.092 $\chi^2$/NDF: 7135424.1/87

# dit_asym_sam6_mean vs Slug, Sign Corrected




Right In: -36.794+/-47.926 $\chi^2$/NDF: 20.4/18

Left Out: 314.517+/-39.818 $\chi^2$/NDF:21.4/24

Right Out: -4.251+/-44.693 $\chi^2$/NDF: 15.0/20

Left In: 312.097+/-41.646 $\chi^2$/NDF:26.9/22

Left: 313.361+/-28.780 $\chi^2$/NDF: 48.3/47

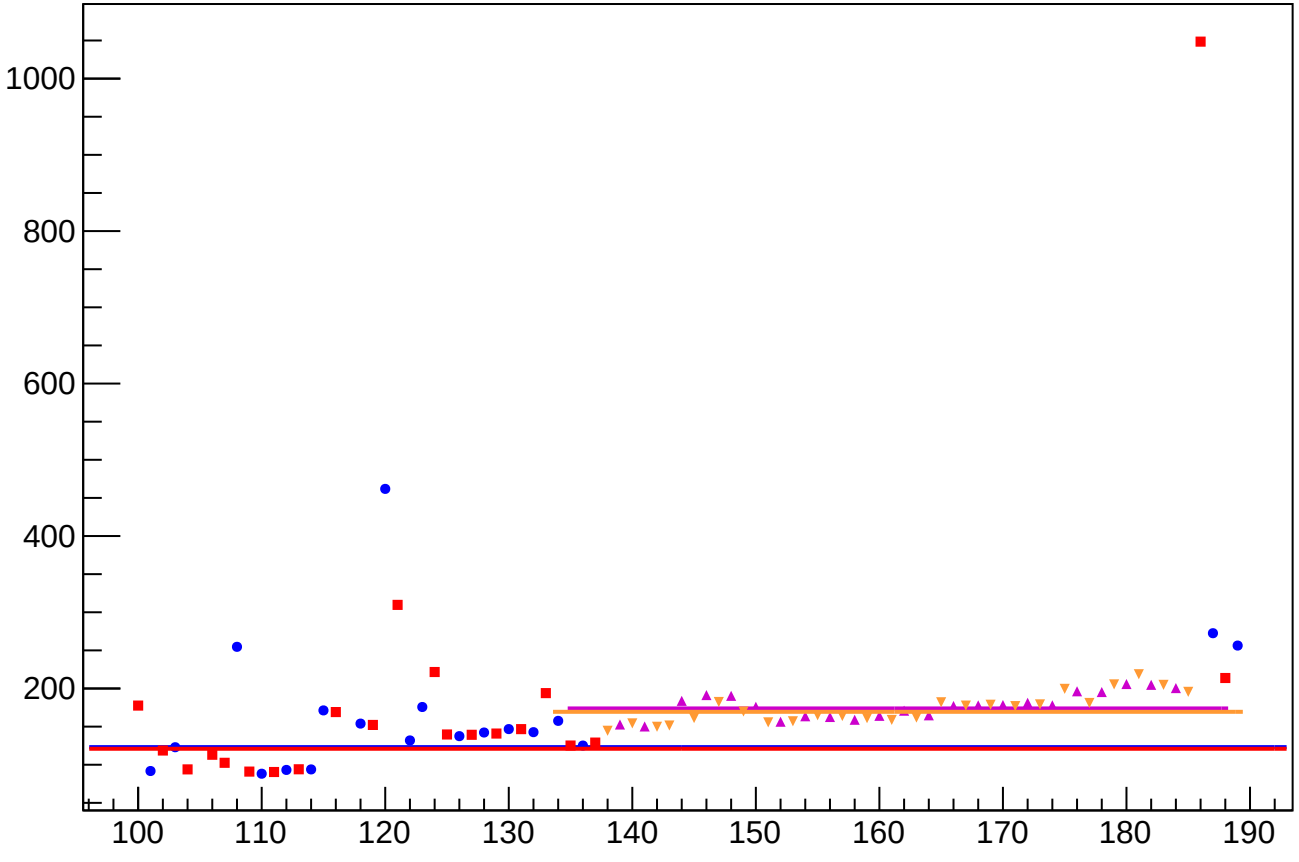
Right: -19.388+/-32.686 $\chi^2$/NDF: 35.6/39

In: 161.994+/-31.435 $\chi^2$/NDF:77.5/41

Out: 173.462+/-29.730 $\chi^2$/NDF:64.7/45

All: 168.048+/-21.600 $\chi^2$/NDF: 142.3/87

# dit_asym_sam6_rms vs Slug, Sign Corrected




Right In: 123.108+/-0.034 $\chi^2$/NDF: 1408690.4/18

Left Out: 169.432+/-0.028 $\chi^2$/NDF:386461.5/24

Right Out: 120.962+/-0.032 $\chi^2$/NDF: 1887206.9/20

Left In: 173.847+/-0.029 $\chi^2$/NDF:291729.8/22

Left: 171.540+/-0.020 $\chi^2$/NDF: 689934.9/47

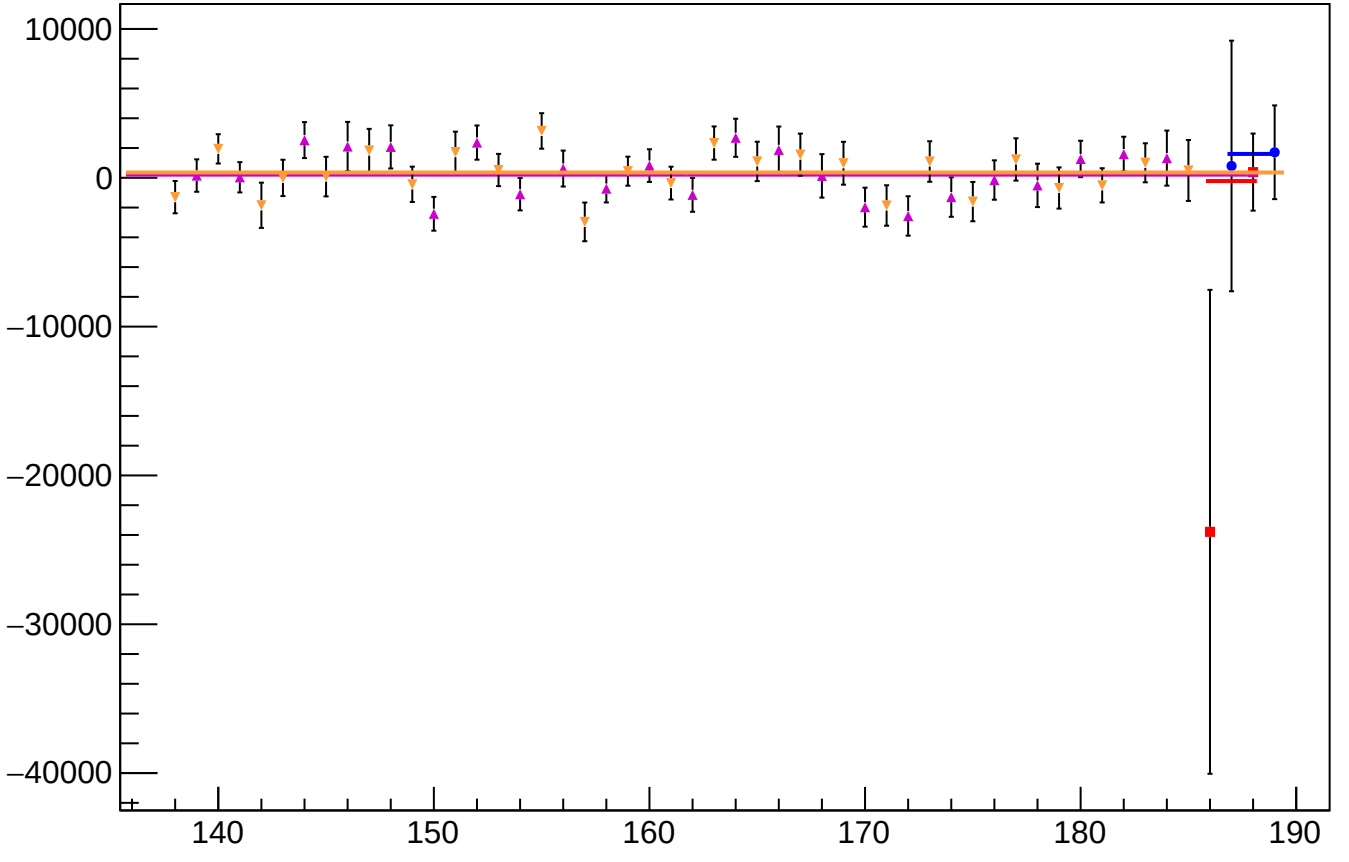
Right: 121.960+/-0.023 $\chi^2$/NDF: 3298042.4/39

In: 152.017+/-0.022 $\chi^2$/NDF:2977671.2/41

Out: 147.984+/-0.021 $\chi^2$/NDF:3585065.3/45

All: 149.888+/-0.015 $\chi^2$/NDF: 6580118.0/87

# asym_sam6_correction_mean vs Slug, Sign Corrected




Right In: 1602.819+/-2949.160 $\chi^2$/NDF: 0.0/1

Left Out: 356.612+/-250.934 $\chi^2$/NDF:33.4/24

Right Out: -217.415+/-2558.301 $\chi^2$/NDF: 2.2/1

Left In: 212.007+/-257.383 $\chi^2$/NDF:36.0/22

Left: 286.144+/-179.674 $\chi^2$/NDF: 69.6/47

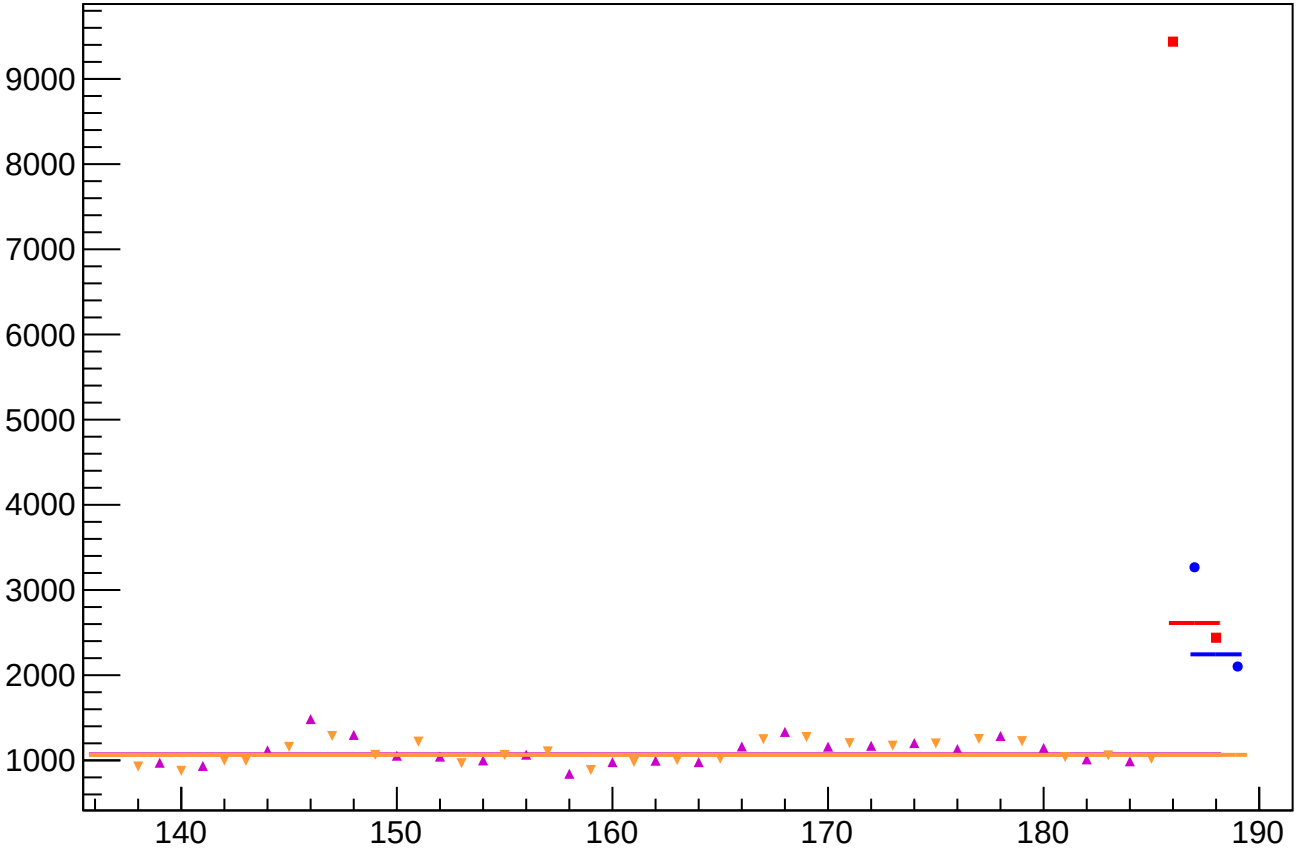
Right: 564.169+/-1932.514 $\chi^2$/NDF: 2.4/3

In: 222.520+/-256.409 $\chi^2$/NDF:36.3/24

Out: 351.142+/-249.736 $\chi^2$/NDF:35.6/26

All: 288.526+/-178.903 $\chi^2$/NDF: 72.0/51

# asym_sam6_correction_rms vs Slug, Sign Corrected




Right In: 2244.762+/-2.085 $\chi^2$/NDF: 33598.0/1

Left Out: 1064.868+/-0.177 $\chi^2$/NDF:493614.2/24

Right Out: 2612.969+/-1.809 $\chi^2$/NDF: 361355.8/1

Left In: 1070.694+/-0.182 $\chi^2$/NDF:570407.8/22

Left: 1067.707+/-0.127 $\chi^2$/NDF: 1064547.2/47

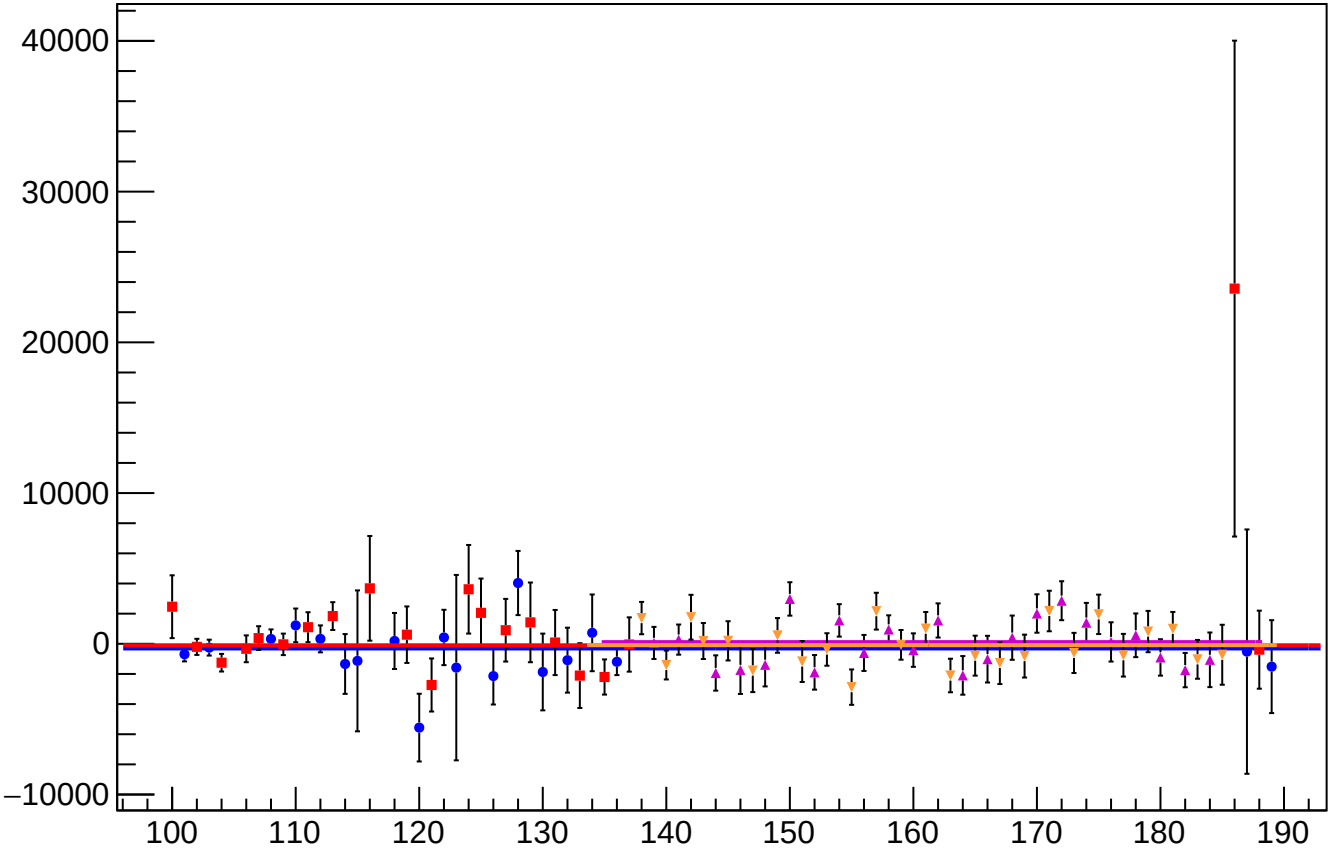
Right: 2454.866+/-1.366 $\chi^2$/NDF: 412743.1/3

In: 1079.568+/-0.181 $\chi^2$/NDF:918581.3/24

Out: 1079.621+/-0.177 $\chi^2$/NDF:1580351.9/26

All: 1079.595+/-0.127 $\chi^2$/NDF: 2498933.2/51

# asym_sam6_mean vs Slug, Sign Corrected




Right In: -309.136+/-249.106 $\chi^2$/NDF: 17.0/18

Left Out: -89.632+/-247.271 $\chi^2$/NDF:31.0/24

Right Out: -98.196+/-244.851 $\chi^2$/NDF: 24.6/20

Left In: 110.879+/-254.337 $\chi^2$/NDF:35.2/22

Left: 7.800+/-177.292 $\chi^2$/NDF: 66.4/47

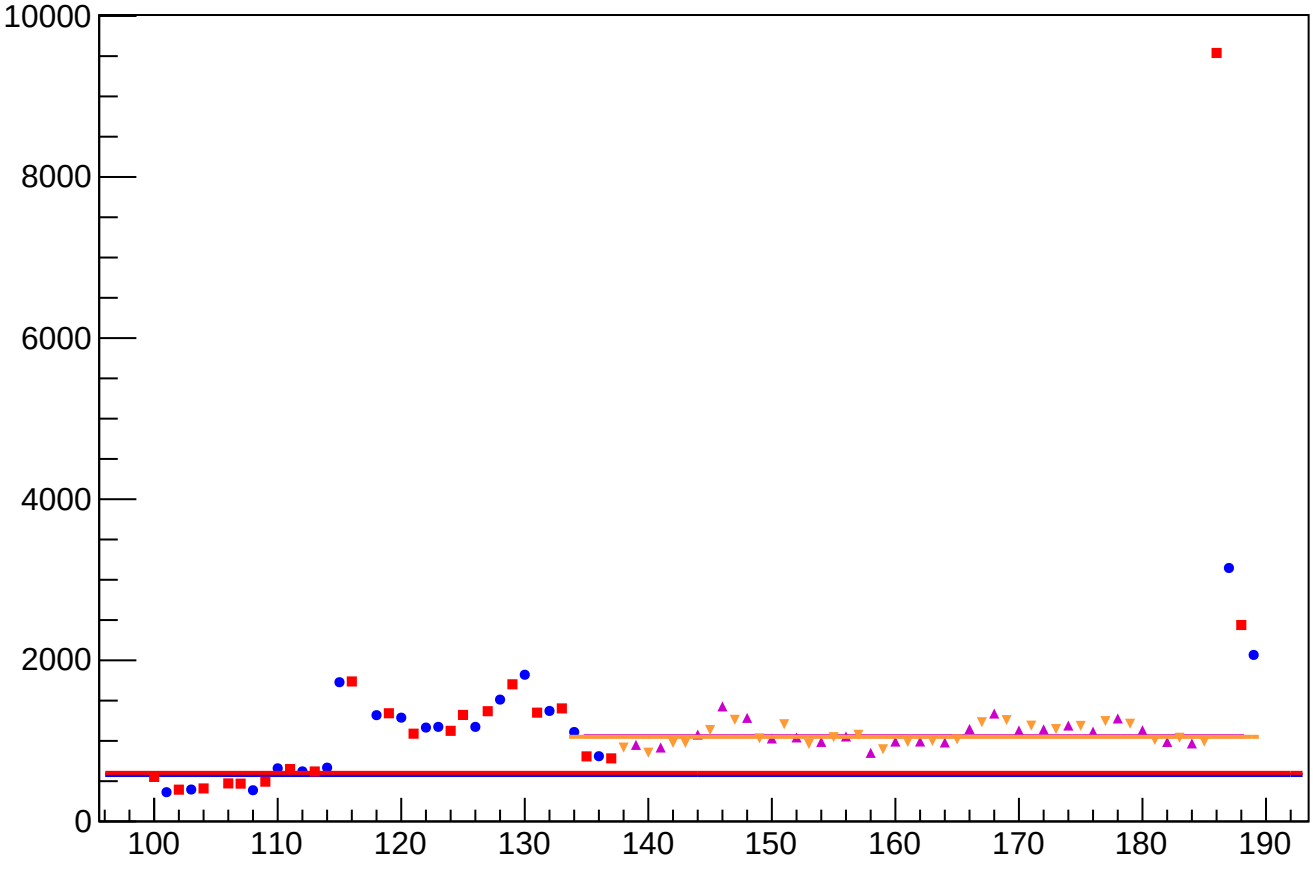
Right: -201.849+/-174.621 $\chi^2$/NDF: 42.0/39

In: -103.492+/-177.965 $\chi^2$/NDF:53.6/41

Out: -93.956+/-173.985 $\chi^2$/NDF:55.6/45

All: -98.616+/-124.409 $\chi^2$/NDF: 109.1/87

# asym_sam6_rms vs Slug, Sign Corrected




Right In: 576.259+/-0.176 $\chi^2$/NDF: 3935183.6/18

Left Out: 1050.918+/-0.175 $\chi^2$/NDF:483477.5/24

Right Out: 603.633+/-0.173 $\chi^2$/NDF: 4427129.6/20

Left In: 1058.154+/-0.180 $\chi^2$/NDF:532260.0/22

Left: 1054.434+/-0.125 $\chi^2$/NDF: 1016569.7/47

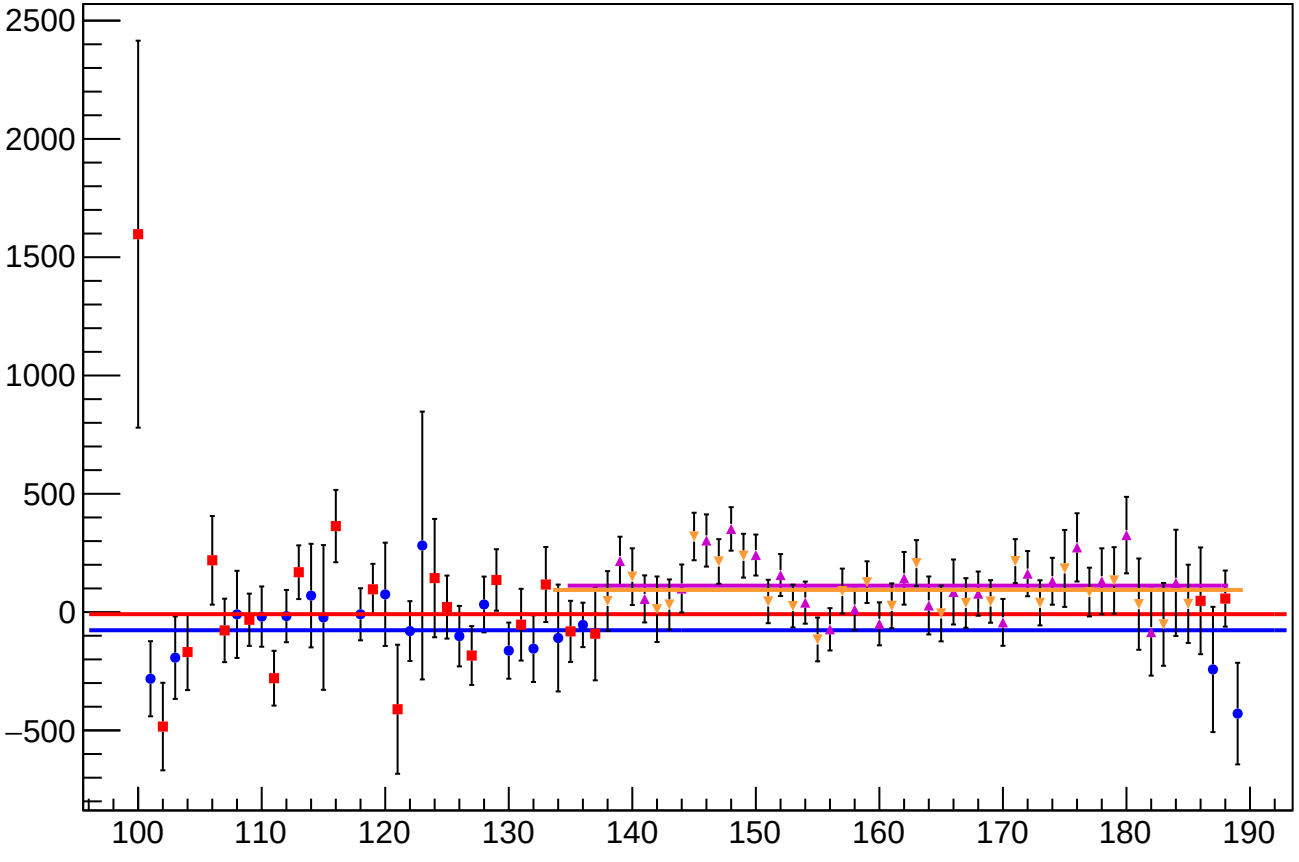
Right: 590.181+/-0.123 $\chi^2$/NDF: 8374596.9/39

In: 812.199+/-0.126 $\chi^2$/NDF:8131958.9/41

Out: 825.076+/-0.123 $\chi^2$/NDF:8214865.1/45

All: 818.783+/-0.088 $\chi^2$/NDF: 16352177.6/87

# dit_asym_sam7_mean vs Slug, Sign Corrected




Right In: -76.789+/-33.906 $\chi^2$/NDF: 9.4/18

Left Out: 93.496+/-21.284 $\chi^2$/NDF:22.8/24

Right Out: -8.818+/-31.845 $\chi^2$/NDF: 35.4/20

Left In: 111.732+/-21.971 $\chi^2$/NDF:30.7/22

Left: 102.325+/-15.287 $\chi^2$/NDF: 53.8/47

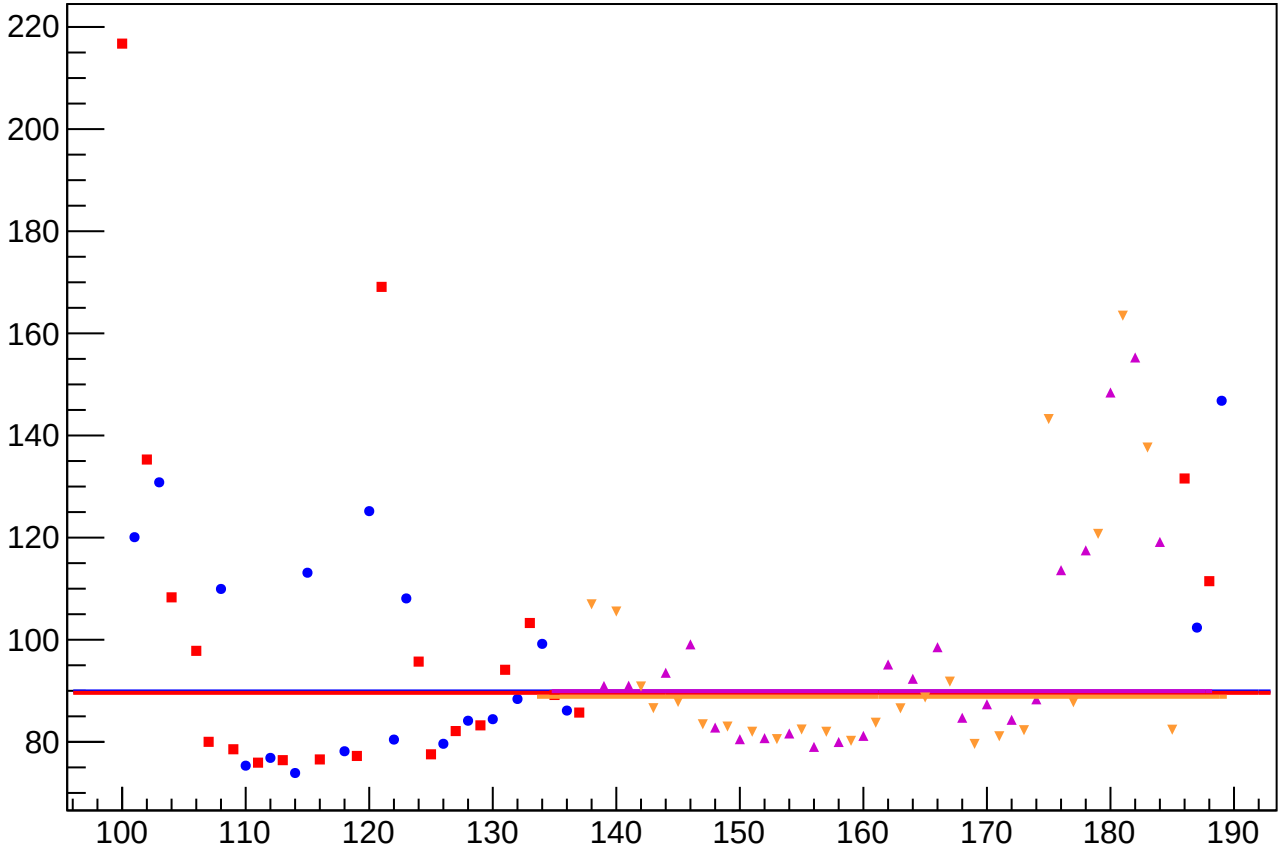
Right: -40.674+/-23.212 $\chi^2$/NDF: 46.9/39

In: 55.983+/-18.438 $\chi^2$/NDF:61.8/41

Out: 61.903+/-17.696 $\chi^2$/NDF:65.3/45

All: 59.065+/-12.767 $\chi^2$/NDF: 127.2/87

# dit_asym_sam7_rms vs Slug, Sign Corrected




Right In: 89.880+/-0.024 $\chi^2$/NDF: 544147.1/18

Left Out: 88.830+/-0.015 $\chi^2$/NDF:1000651.2/24

Right Out: 89.604+/-0.023 $\chi^2$/NDF: 681397.4/20

Left In: 89.934+/-0.016 $\chi^2$/NDF:874129.5/22

Left: 89.364+/-0.011 $\chi^2$/NDF: 1877387.2/47

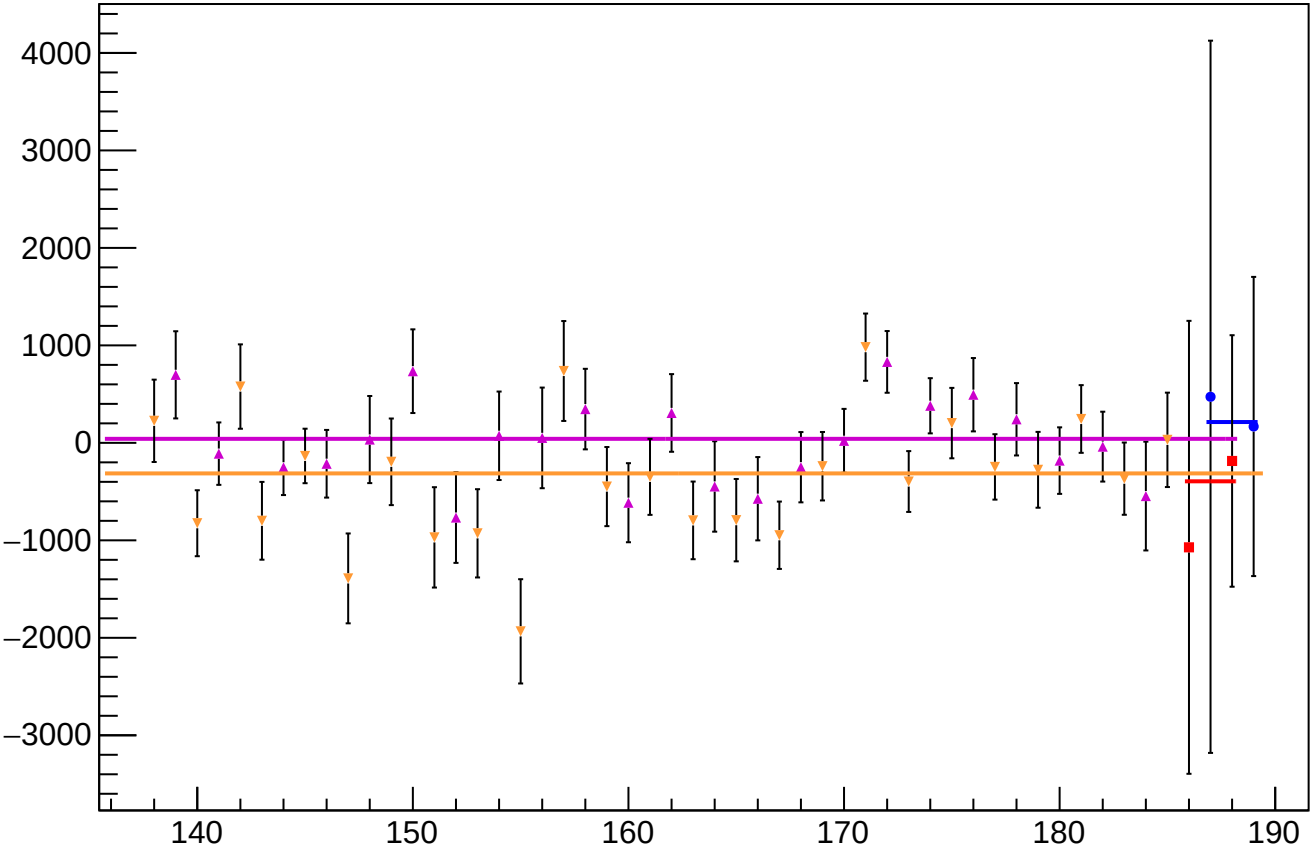
Right: 89.733+/-0.016 $\chi^2$/NDF: 1225614.9/39

In: 89.918+/-0.013 $\chi^2$/NDF:1418280.2/41

Out: 89.069+/-0.013 $\chi^2$/NDF:1682865.0/45

All: 89.476+/-0.009 $\chi^2$/NDF: 3103353.7/87

# asym_sam7_correction_mean vs Slug, Sign Corrected




Right In: 213.608+/-1414.891 $\chi^2$/NDF: 0.0/1

Left Out: -313.446+/-77.334 $\chi^2$/NDF:58.1/24

Right Out: -394.587+/-1127.869 $\chi^2$/NDF: 0.1/1

Left In: 41.244+/-78.858 $\chi^2$/NDF:28.0/22

Left: -139.560+/-55.214 $\chi^2$/NDF: 96.4/47

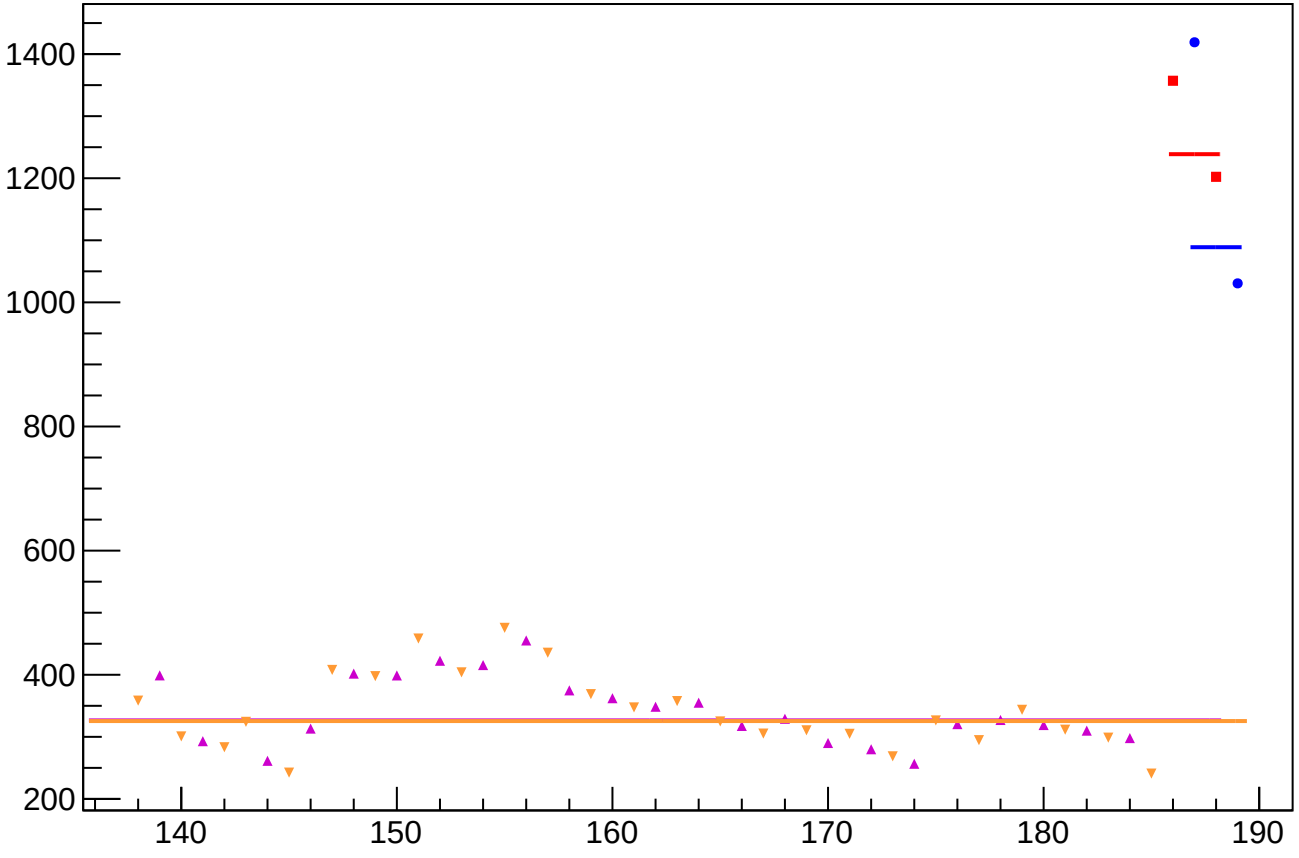
Right: -158.278+/-881.946 $\chi^2$/NDF: 0.2/3

In: 41.777+/-78.736 $\chi^2$/NDF:28.0/24

Out: -313.826+/-77.153 $\chi^2$/NDF:58.2/26

All: -139.633+/-55.107 $\chi^2$/NDF: 96.7/51

# asym_sam7_correction_rms vs Slug, Sign Corrected




Right In: 1088.876+/-1.000 $\chi^2$/NDF: 19217.7/1

Left Out: 325.432+/-0.055 $\chi^2$/NDF:1000974.7/24

Right Out: 1238.759+/-0.798 $\chi^2$/NDF: 6782.9/1

Left In: 326.516+/-0.056 $\chi^2$/NDF:841153.2/22

Left: 325.964+/-0.039 $\chi^2$/NDF: 1842320.6/47

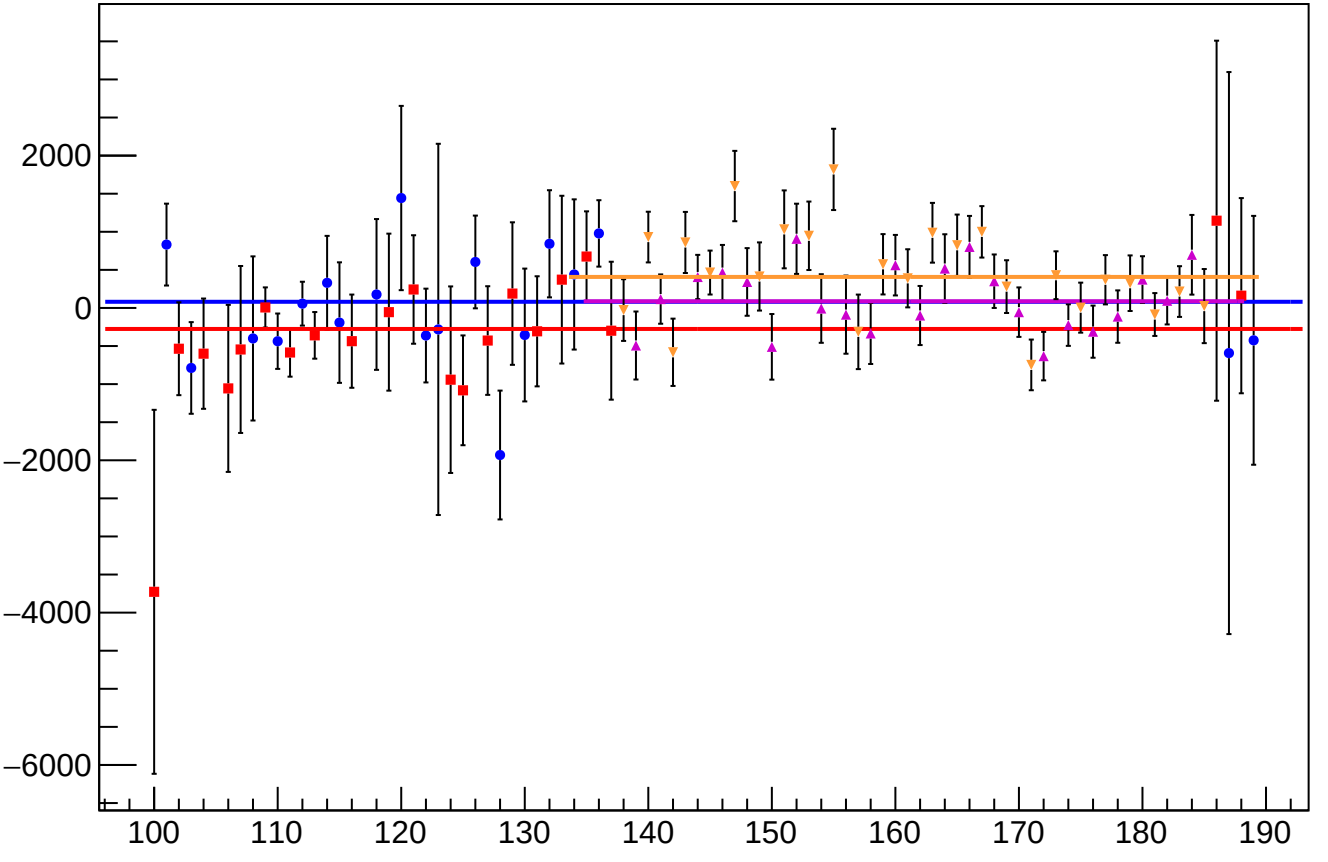
Right: 1180.523+/-0.624 $\chi^2$/NDF: 39723.7/3

In: 328.877+/-0.056 $\chi^2$/NDF:1439209.2/24

Out: 329.706+/-0.055 $\chi^2$/NDF:2313110.7/26

All: 329.300+/-0.039 $\chi^2$/NDF: 3752432.9/51

# asym_sam7_mean vs Slug, Sign Corrected




Right In: 80.950+/-141.955 $\chi^2$/NDF: 20.7/18

Left Out: 407.375+/-74.730 $\chi^2$/NDF:53.0/24

Right Out: -275.714+/-128.750 $\chi^2$/NDF: 11.1/20

Left In: 87.657+/-76.572 $\chi^2$/NDF:27.4/22

Left: 251.406+/-53.481 $\chi^2$/NDF: 89.4/47

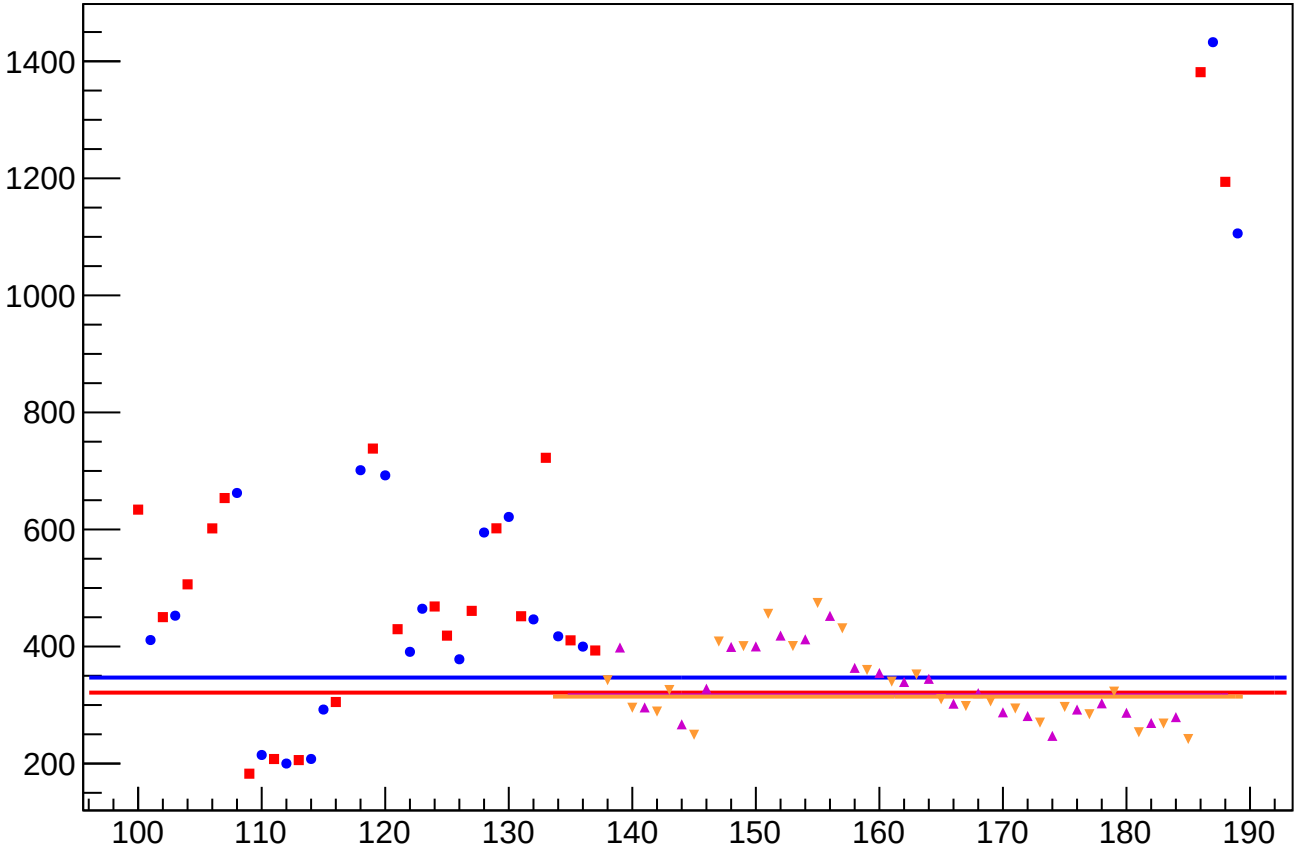
Right: -114.739+/-95.367 $\chi^2$/NDF: 35.2/39

In: 86.145+/-67.392 $\chi^2$/NDF:48.1/41

Out: 235.235+/-64.632 $\chi^2$/NDF:85.2/45

All: 163.806+/-46.647 $\chi^2$/NDF: 135.8/87

# asym_sam7_rms vs Slug, Sign Corrected




Right In: 346.957+/-0.100 $\chi^2$/NDF: 2652462.8/18

Left Out: 314.405+/-0.053 $\chi^2$/NDF:1112244.9/24

Right Out: 321.222+/-0.091 $\chi^2$/NDF: 4078257.6/20

Left In: 316.616+/-0.054 $\chi^2$/NDF:929652.0/22

Left: 315.484+/-0.038 $\chi^2$/NDF: 2042751.4/47

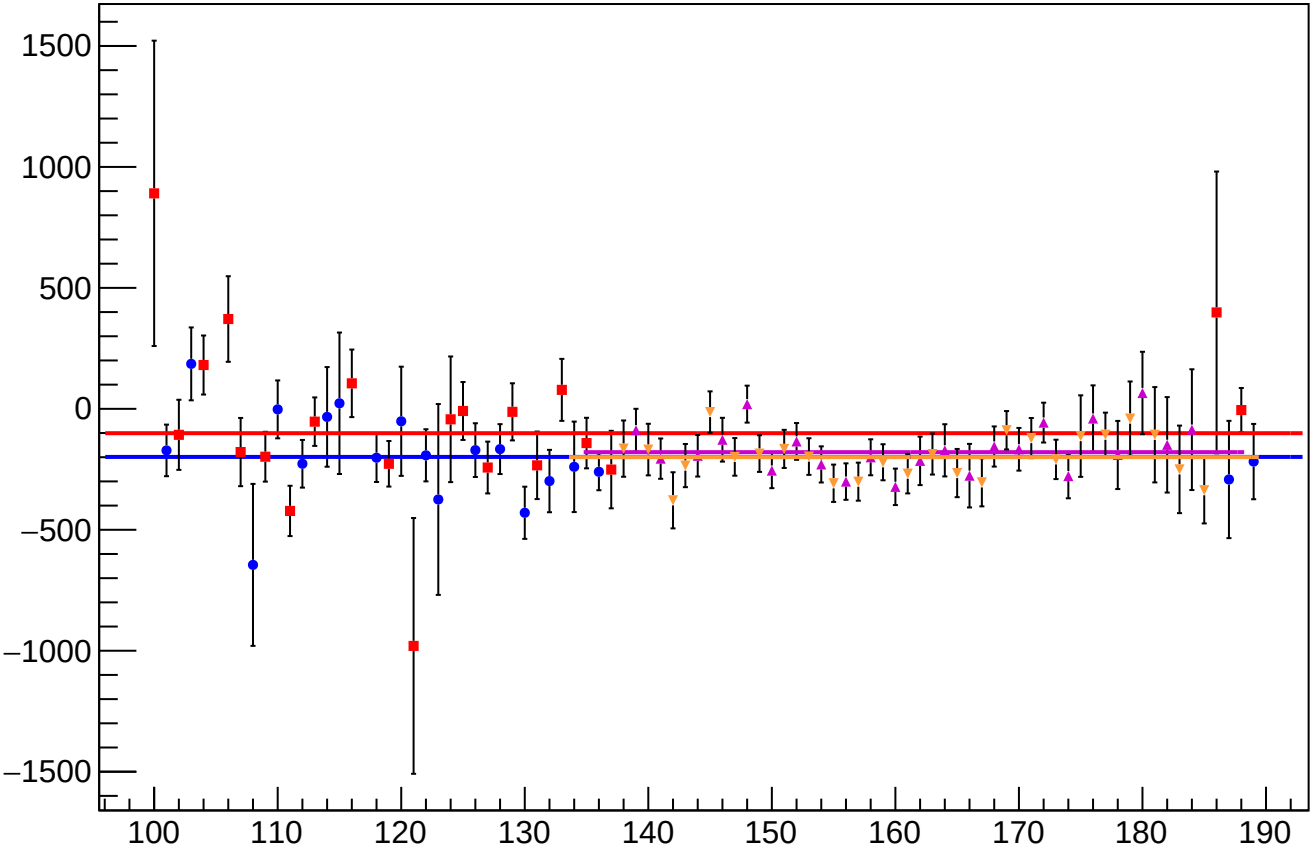
Right: 332.837+/-0.067 $\chi^2$/NDF: 6766785.2/39

In: 323.455+/-0.048 $\chi^2$/NDF:3652888.7/41

Out: 316.123+/-0.046 $\chi^2$/NDF:5194697.2/45

All: 319.635+/-0.033 $\chi^2$/NDF: 8859916.6/87

# dit_asym_sam8_mean vs Slug, Sign Corrected




Right In: -198.799+/-29.612 $\chi^2$/NDF: 19.2/18

Left Out: -199.640+/-18.452 $\chi^2$/NDF:20.2/24

Right Out: -100.722+/-28.142 $\chi^2$/NDF: 41.3/20

Left In: -179.154+/-19.112 $\chi^2$/NDF:23.9/22

Left: -189.757+/-13.275 $\chi^2$/NDF: 44.6/47

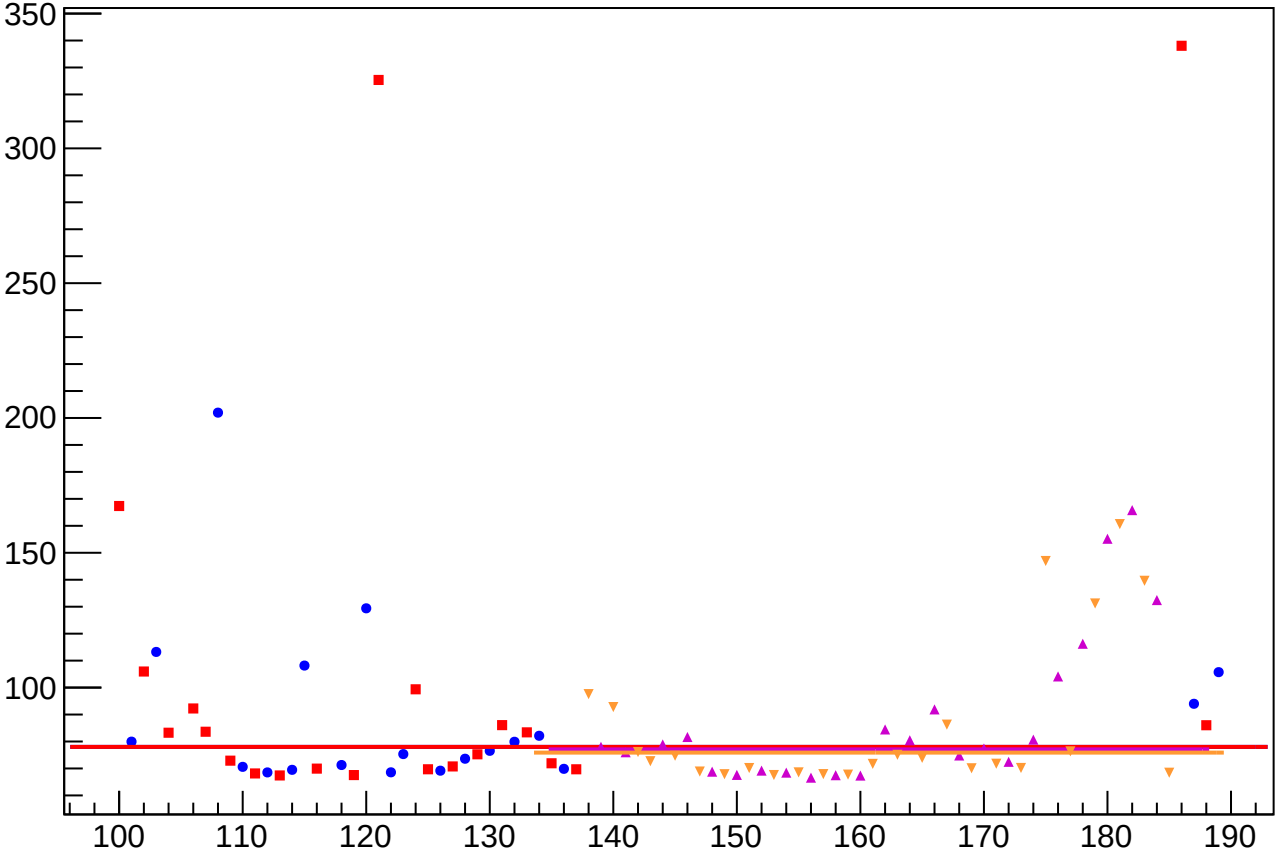
Right: -147.265+/-20.399 $\chi^2$/NDF: 66.3/39

In: -184.931+/-16.058 $\chi^2$/NDF:43.4/41

Out: -169.900+/-15.431 $\chi^2$/NDF:70.2/45

All: -177.116+/-11.126 $\chi^2$/NDF: 114.0/87

# dit_asym_sam8_rms vs Slug, Sign Corrected




Right In: 78.000+/-0.021 $\chi^2$/NDF: 676162.8/18

Left Out: 75.883+/-0.013 $\chi^2$/NDF:1552500.3/24

Right Out: 77.998+/-0.020 $\chi^2$/NDF: 1118841.0/20

Left In: 77.080+/-0.014 $\chi^2$/NDF:1422981.1/22

Left: 76.460+/-0.009 $\chi^2$/NDF: 2979537.9/47

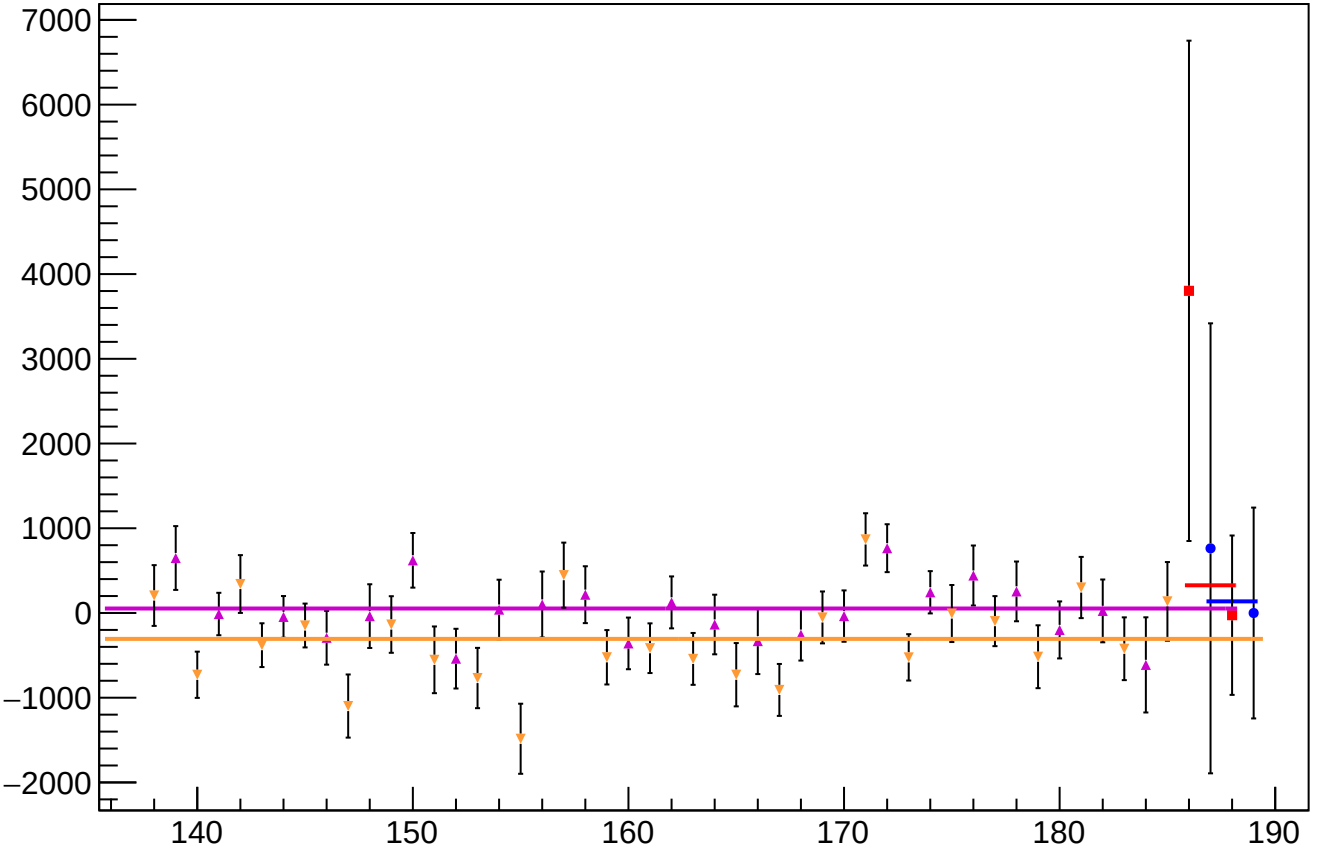
Right: 77.999+/-0.014 $\chi^2$/NDF: 1795003.8/39

In: 77.350+/-0.011 $\chi^2$/NDF:2100509.1/41

Out: 76.519+/-0.011 $\chi^2$/NDF:2679241.7/45

All: 76.918+/-0.008 $\chi^2$/NDF: 4782537.5/87

# asym_sam8_correction_mean vs Slug, Sign Corrected




Right In: 137.040+/-1126.747 $\chi^2$/NDF: 0.1/1

Left Out: -305.659+/-65.327 $\chi^2$/NDF:54.9/24

Right Out: 326.628+/-896.154 $\chi^2$/NDF: 1.5/1

Left In: 52.759+/-67.539 $\chi^2$/NDF:24.9/22

Left: -132.416+/-46.956 $\chi^2$/NDF: 94.3/47

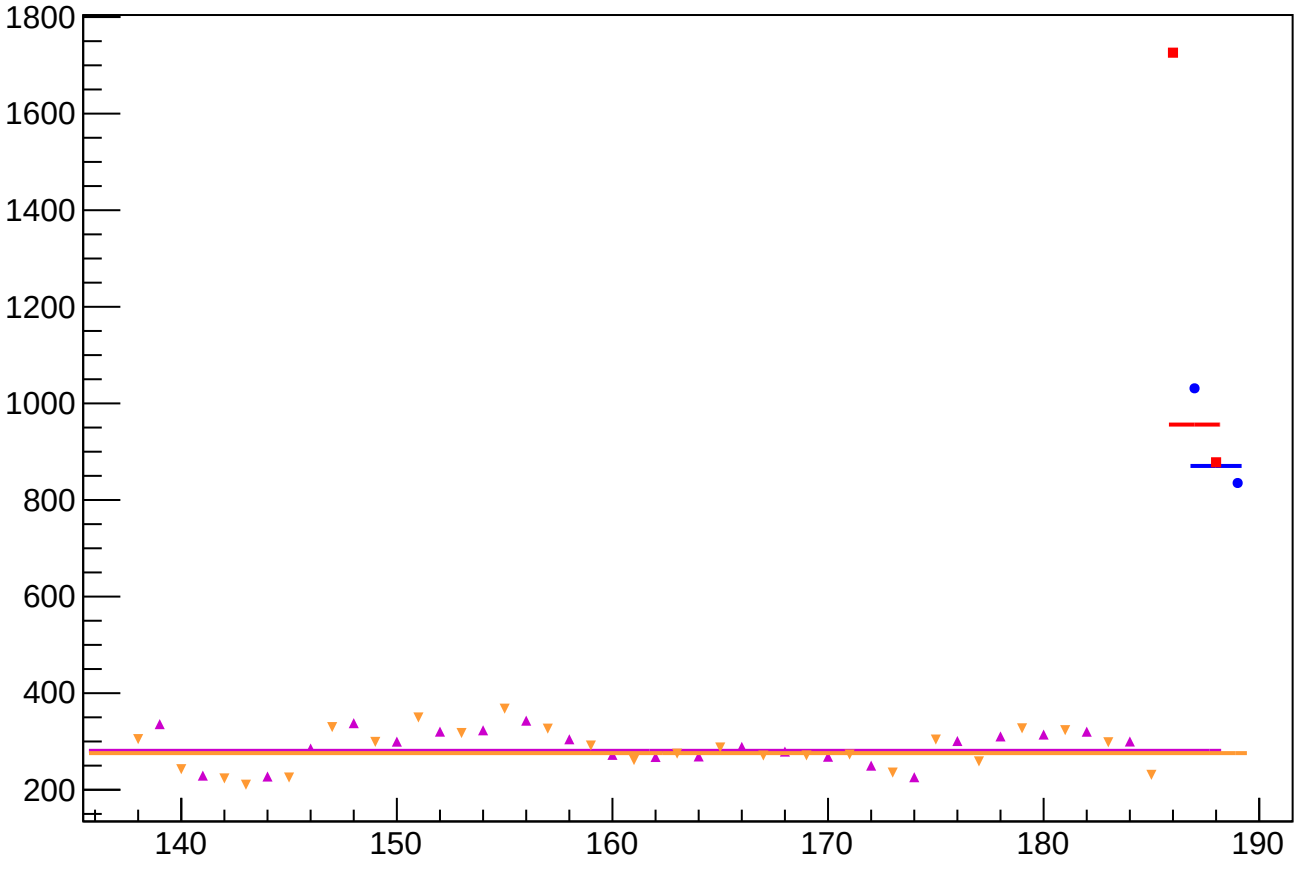
Right: 253.168+/-701.368 $\chi^2$/NDF: 1.6/3

In: 53.061+/-67.418 $\chi^2$/NDF:24.9/24

Out: -302.317+/-65.154 $\chi^2$/NDF:56.9/26

All: -130.696+/-46.851 $\chi^2$/NDF: 96.2/51

# asym_sam8_correction_rms vs Slug, Sign Corrected




Right In: 870.487+/-0.797 $\chi^2$/NDF: 8938.0/1

Left Out: 275.901+/-0.046 $\chi^2$/NDF:753109.6/24

Right Out: 956.163+/-0.634 $\chi^2$/NDF: 149824.0/1

Left In: 280.628+/-0.048 $\chi^2$/NDF:587415.9/22

Left: 278.186+/-0.033 $\chi^2$/NDF: 1345588.4/47

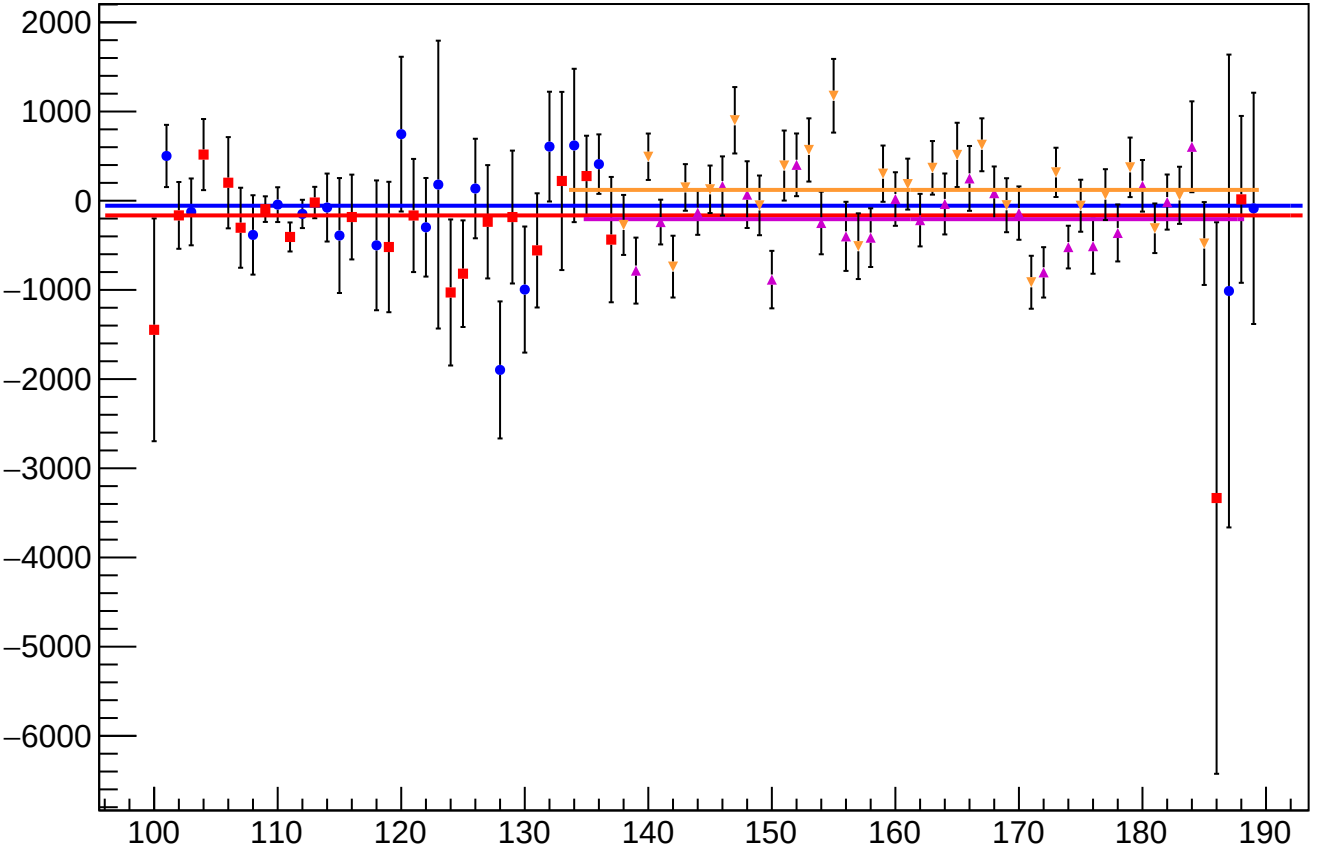
Right: 922.966+/-0.496 $\chi^2$/NDF: 165845.0/3

In: 282.740+/-0.048 $\chi^2$/NDF:1142508.6/24

Out: 279.497+/-0.046 $\chi^2$/NDF:2049277.4/26

All: 281.063+/-0.033 $\chi^2$/NDF: 3194179.9/51

# asym_sam8_mean vs Slug, Sign Corrected




Right In: -56.187+/-90.084 $\chi^2$/NDF: 16.7/18

Left Out: 121.185+/-62.911 $\chi^2$/NDF:49.0/24

Right Out: -164.885+/-76.621 $\chi^2$/NDF: 13.0/20

Left In: -207.047+/-65.246 $\chi^2$/NDF:27.8/22

Left: -36.951+/-45.288 $\chi^2$/NDF: 89.9/47

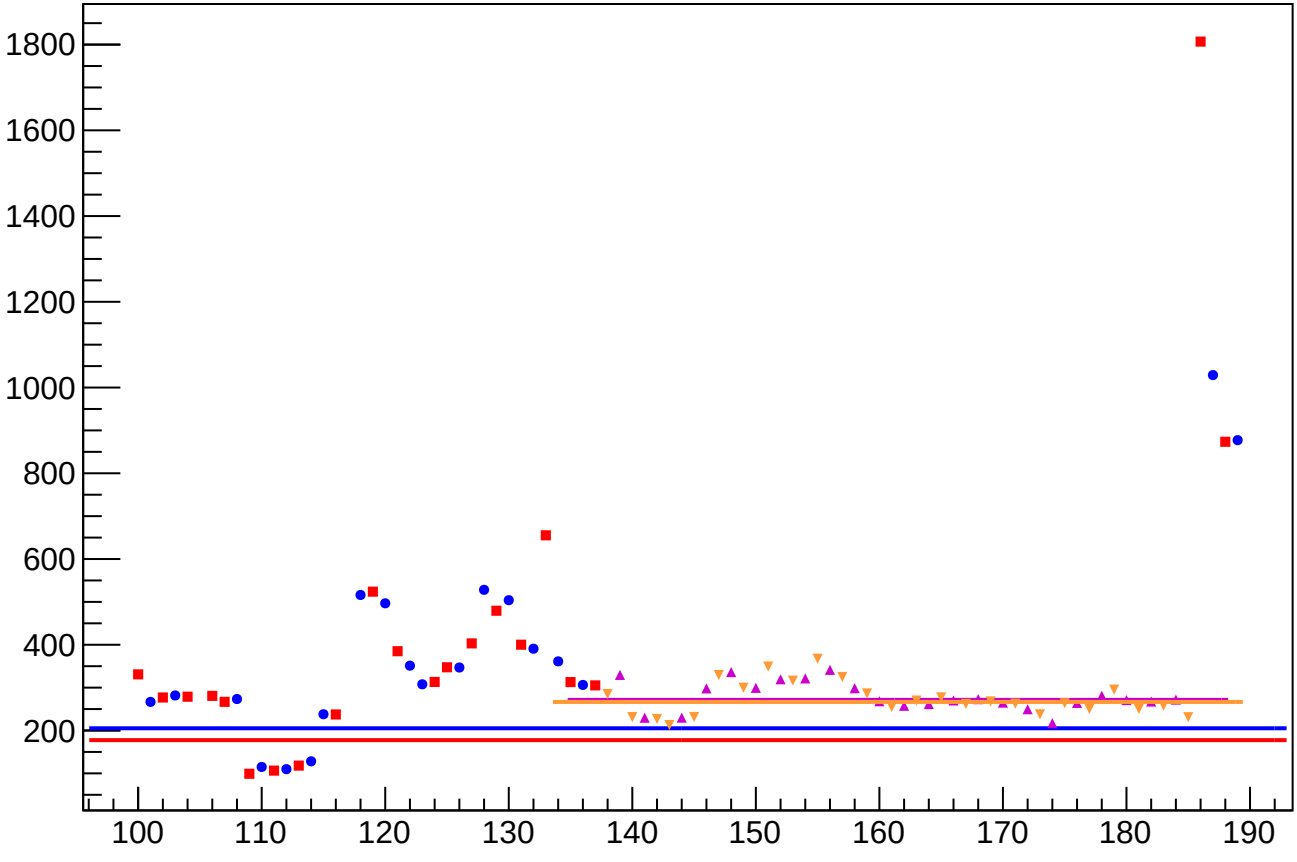
Right: -119.258+/-58.365 $\chi^2$/NDF: 30.5/39

In: -155.139+/-52.842 $\chi^2$/NDF:46.3/41

Out: 5.990+/-48.622 $\chi^2$/NDF:70.3/45

All: -67.883+/-35.780 $\chi^2$/NDF: 121.7/87

# asym_sam8_rms vs Slug, Sign Corrected




Right In: 205.192+/-0.064 $\chi^2$/NDF: 4171190.9/18

Left Out: 266.618+/-0.044 $\chi^2$/NDF:639230.8/24

Right Out: 177.505+/-0.054 $\chi^2$/NDF: 5766142.2/20

Left In: 271.451+/-0.046 $\chi^2$/NDF:530897.8/22

Left: 268.946+/-0.032 $\chi^2$/NDF: 1175815.9/47

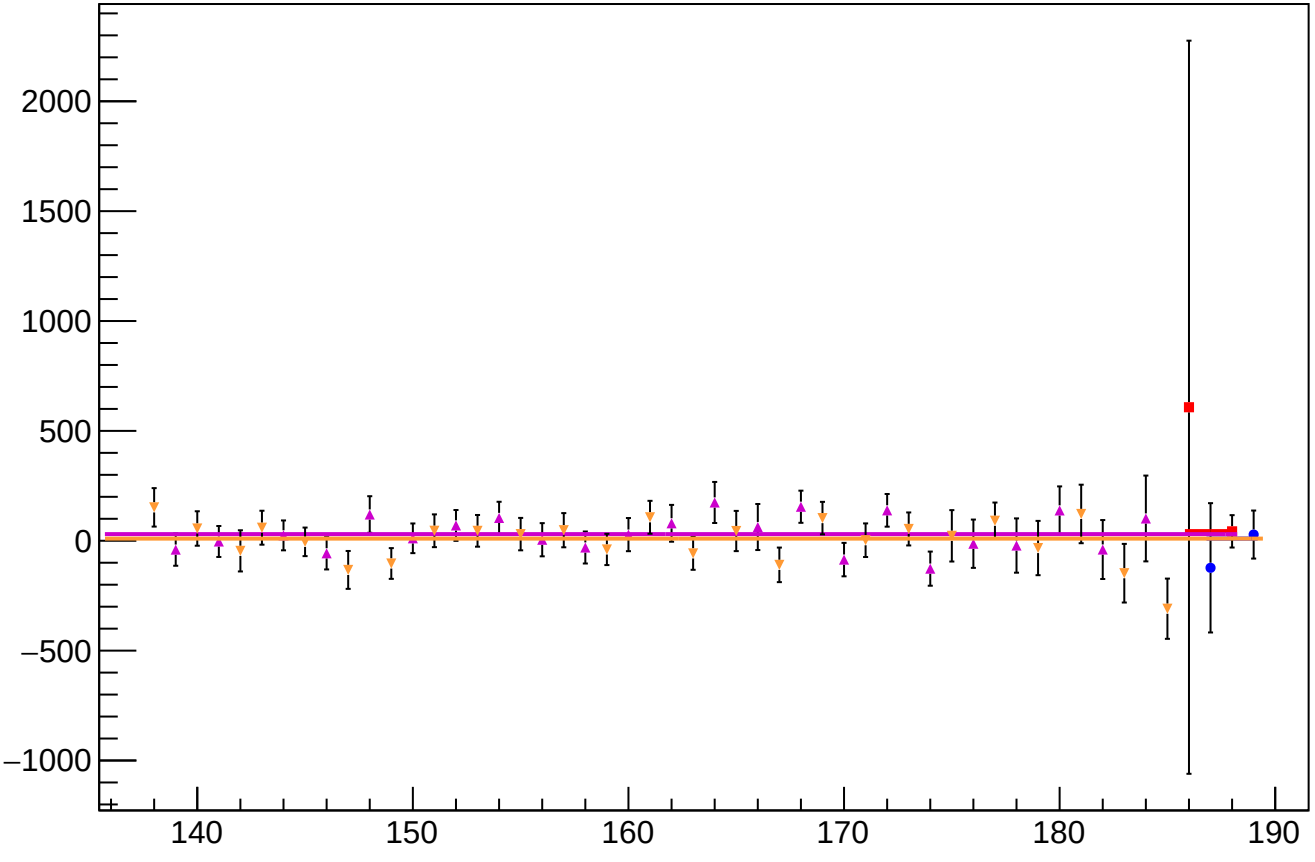
Right: 189.127+/-0.041 $\chi^2$/NDF: 10046952.6/39

In: 248.652+/-0.037 $\chi^2$/NDF:5411771.3/41

Out: 230.734+/-0.034 $\chi^2$/NDF:8021282.1/45

All: 238.949+/-0.025 $\chi^2$/NDF: 13557591.7/87

# dit_asym_sam_15_avg_mean vs Slug, Sign Corrected




Right In: 9.871+/-102.450 $\chi^2$/NDF: 0.2/1

Left Out: 9.762+/-16.463 $\chi^2$/NDF:25.9/24

Right Out: 43.979+/-73.608 $\chi^2$/NDF: 0.1/1

Left In: 30.236+/-17.031 $\chi^2$/NDF:21.9/22

Left: 19.652+/-11.837 $\chi^2$/NDF: 48.6/47

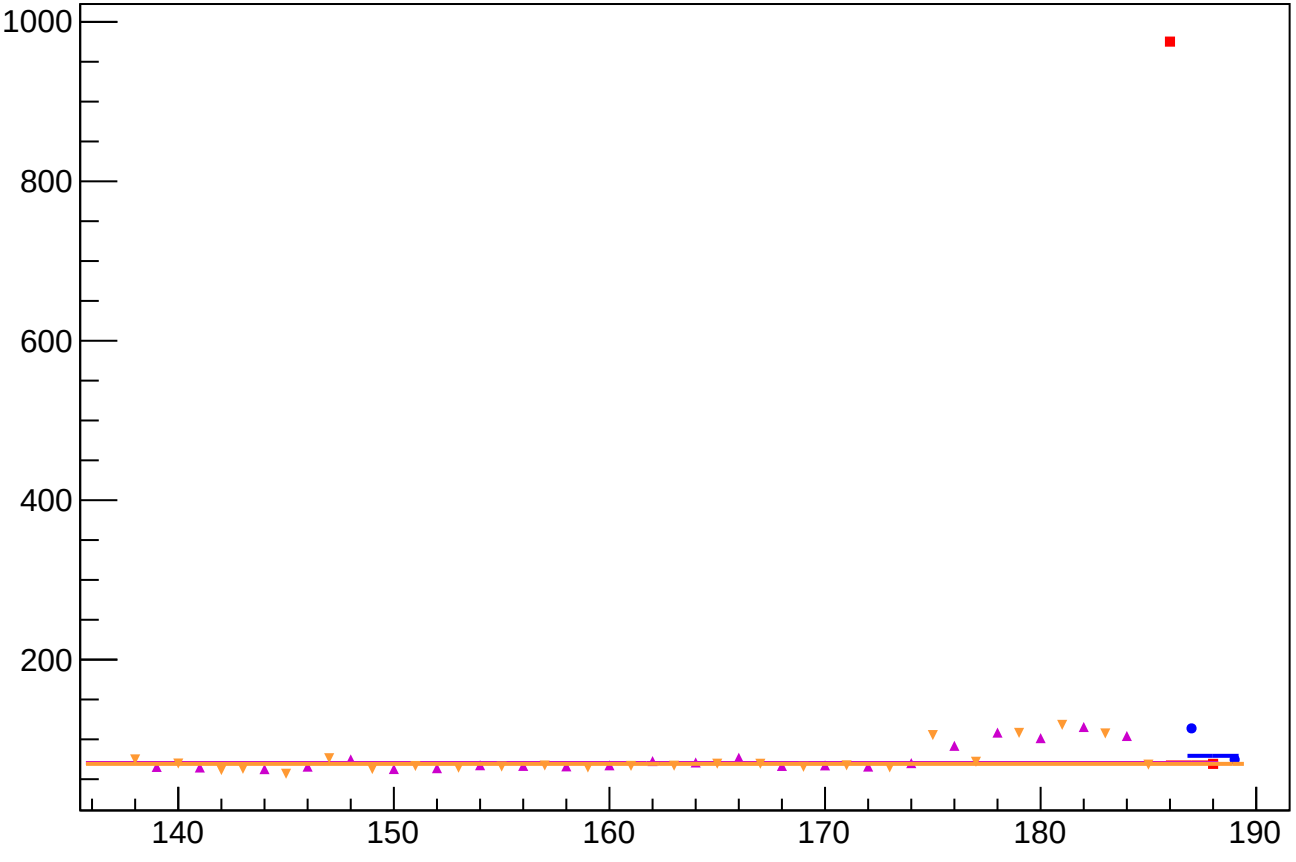
Right: 32.367+/-59.779 $\chi^2$/NDF: 0.4/3

In: 29.688+/-16.800 $\chi^2$/NDF:22.2/24

Out: 11.392+/-16.066 $\chi^2$/NDF:26.2/26

All: 20.132+/-11.611 $\chi^2$/NDF: 49.0/51

# dit_asym_sam_15_avg_rms vs Slug, Sign Corrected




Right In: 79.321+/-0.072 $\chi^2$/NDF: 31181.4/1

Left Out: 69.234+/-0.012 $\chi^2$/NDF:1005922.1/24

Right Out: 71.001+/-0.052 $\chi^2$/NDF: 588833.6/1

Left In: 70.322+/-0.012 $\chi^2$/NDF:862105.7/22

Left: 69.760+/-0.008 $\chi^2$/NDF: 1872251.2/47

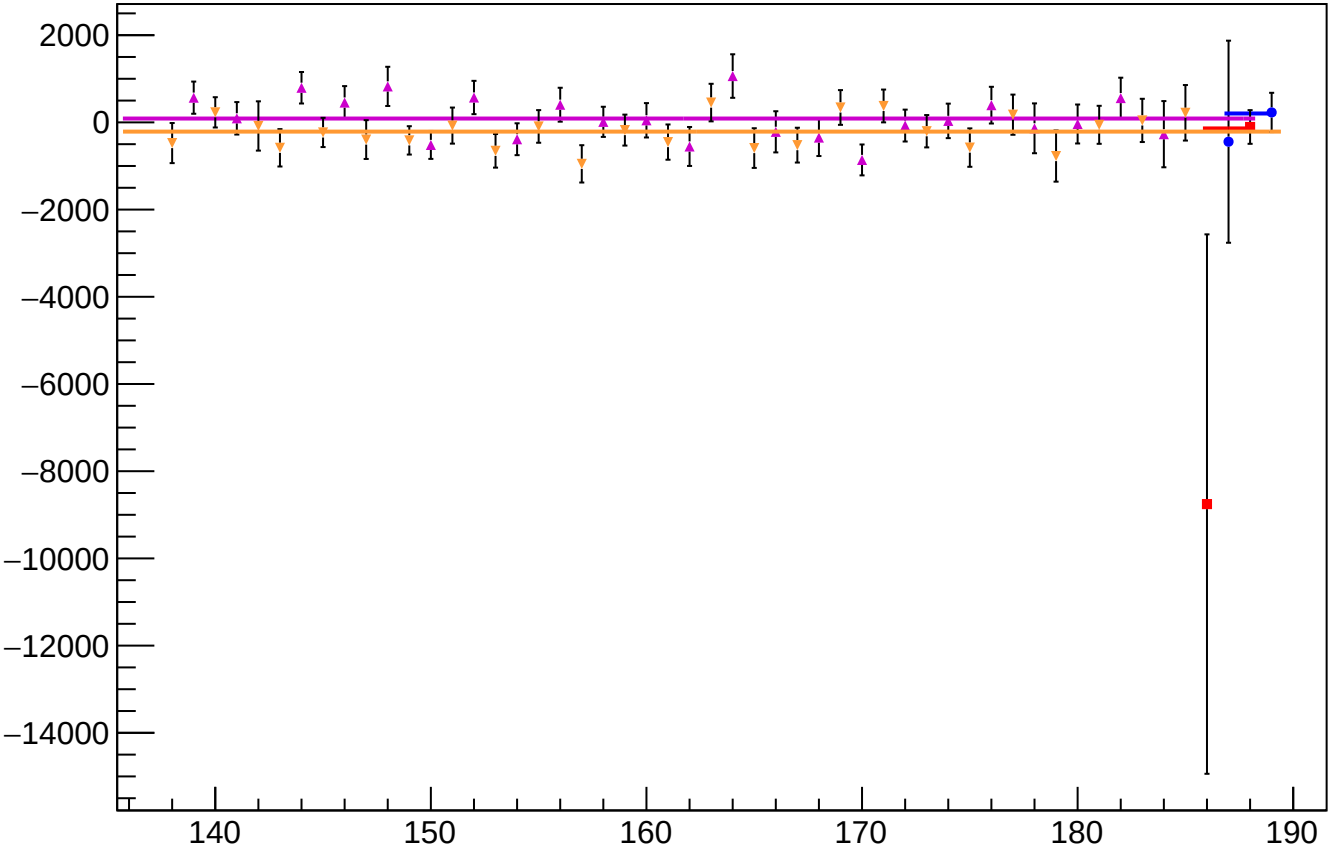
Right: 73.834+/-0.042 $\chi^2$/NDF: 628712.5/3

In: 70.564+/-0.012 $\chi^2$/NDF:908300.2/24

Out: 69.318+/-0.011 $\chi^2$/NDF:1595853.9/26

All: 69.913+/-0.008 $\chi^2$/NDF: 2509902.7/51

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected




Right In: 203.902+/-441.712 $\chi^2$/NDF: 0.1/1

Left Out: -211.526+/-82.780 $\chi^2$/NDF:19.4/24

Right Out: -138.888+/-385.647 $\chi^2$/NDF: 1.9/1

Left In: 88.062+/-84.309 $\chi^2$/NDF:33.5/22

Left: -64.474+/-59.067 $\chi^2$/NDF: 59.3/47

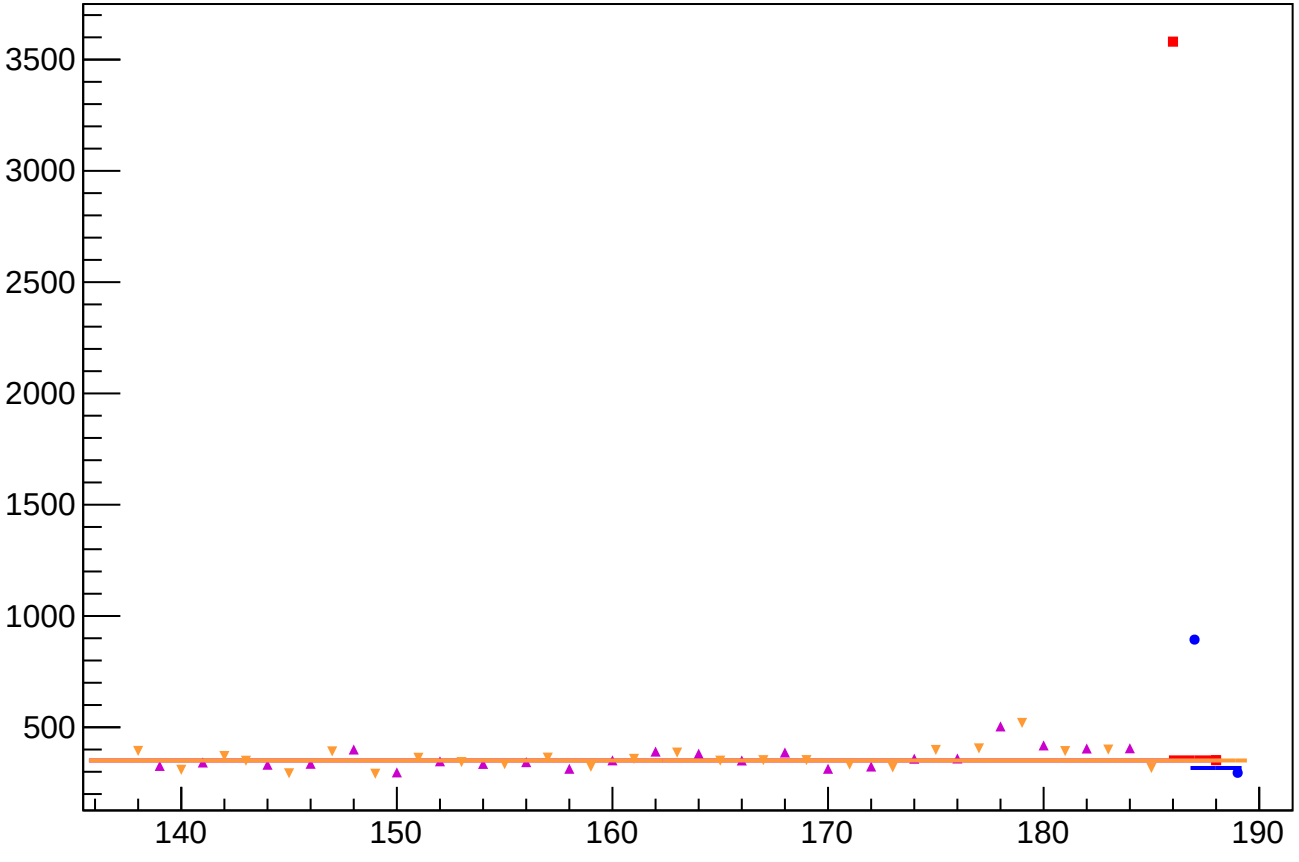
Right: 9.384+/-290.506 $\chi^2$/NDF: 2.4/3

In: 92.134+/-82.814 $\chi^2$/NDF:33.6/24

Out: -208.327+/-80.936 $\chi^2$/NDF:21.4/26

All: -61.542+/-57.883 $\chi^2$/NDF: 61.7/51

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected




Right In: 317.092+/-0.312 $\chi^2$/NDF: 128573.2/1

Left Out: 350.780+/-0.059 $\chi^2$/NDF:506274.4/24

Right Out: 364.719+/-0.273 $\chi^2$/NDF: 542669.8/1

Left In: 350.944+/-0.060 $\chi^2$/NDF:424876.4/22

Left: 350.861+/-0.042 $\chi^2$/NDF: 931154.7/47

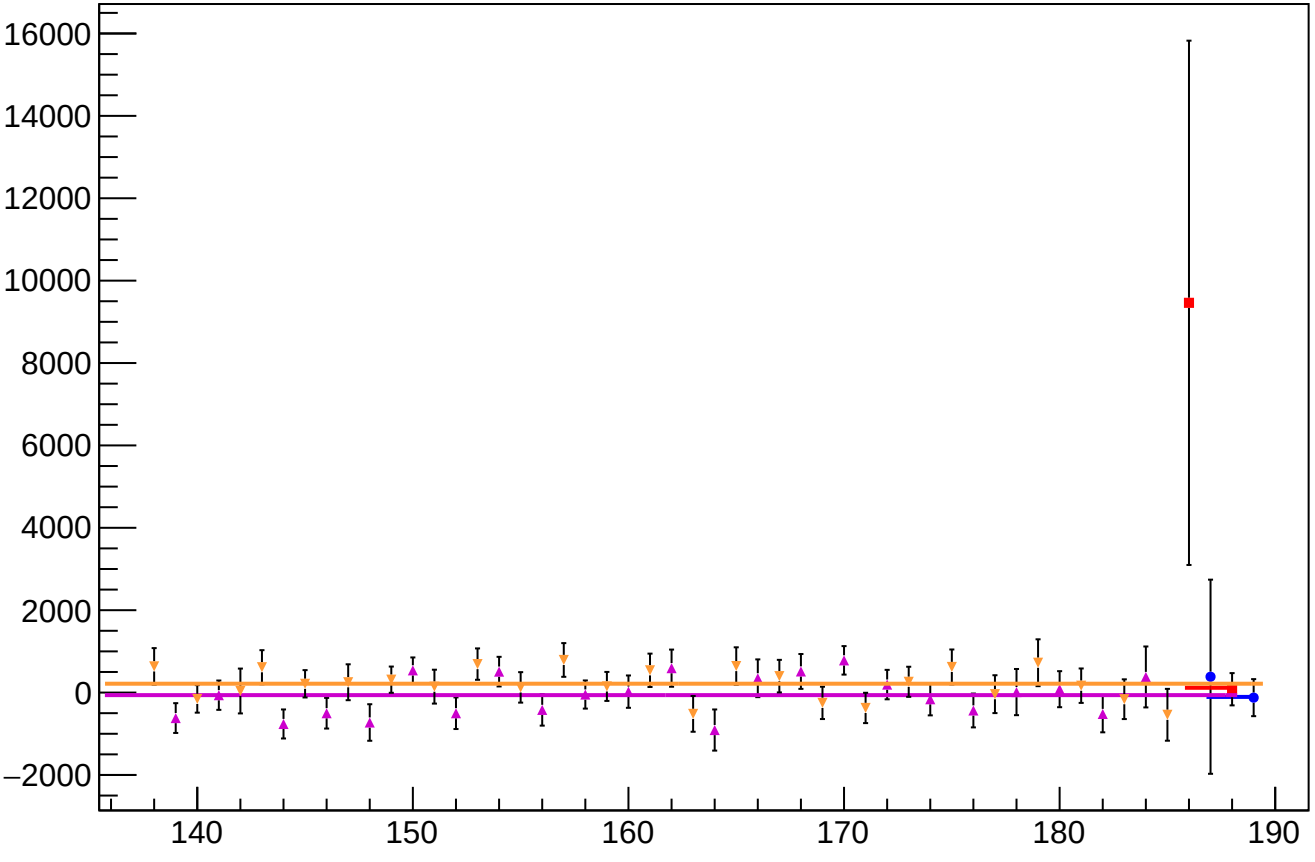
Right: 344.118+/-0.205 $\chi^2$/NDF: 684437.1/3

In: 349.755+/-0.059 $\chi^2$/NDF:564783.8/24

Out: 351.394+/-0.057 $\chi^2$/NDF:1051441.6/26

All: 350.593+/-0.041 $\chi^2$/NDF: 1616626.5/51

# asym_sam_15_avg_mean vs Slug, Sign Corrected




Right In: -105.186+/-441.657 $\chi^2$/NDF: 0.0/1

Left Out: 215.214+/-81.235 $\chi^2$/NDF:19.6/24

Right Out: 116.523+/-390.808 $\chi^2$/NDF: 2.2/1

Left In: -61.730+/-82.841 $\chi^2$/NDF:34.9/22

Left: 79.453+/-58.001 $\chi^2$/NDF: 60.2/47

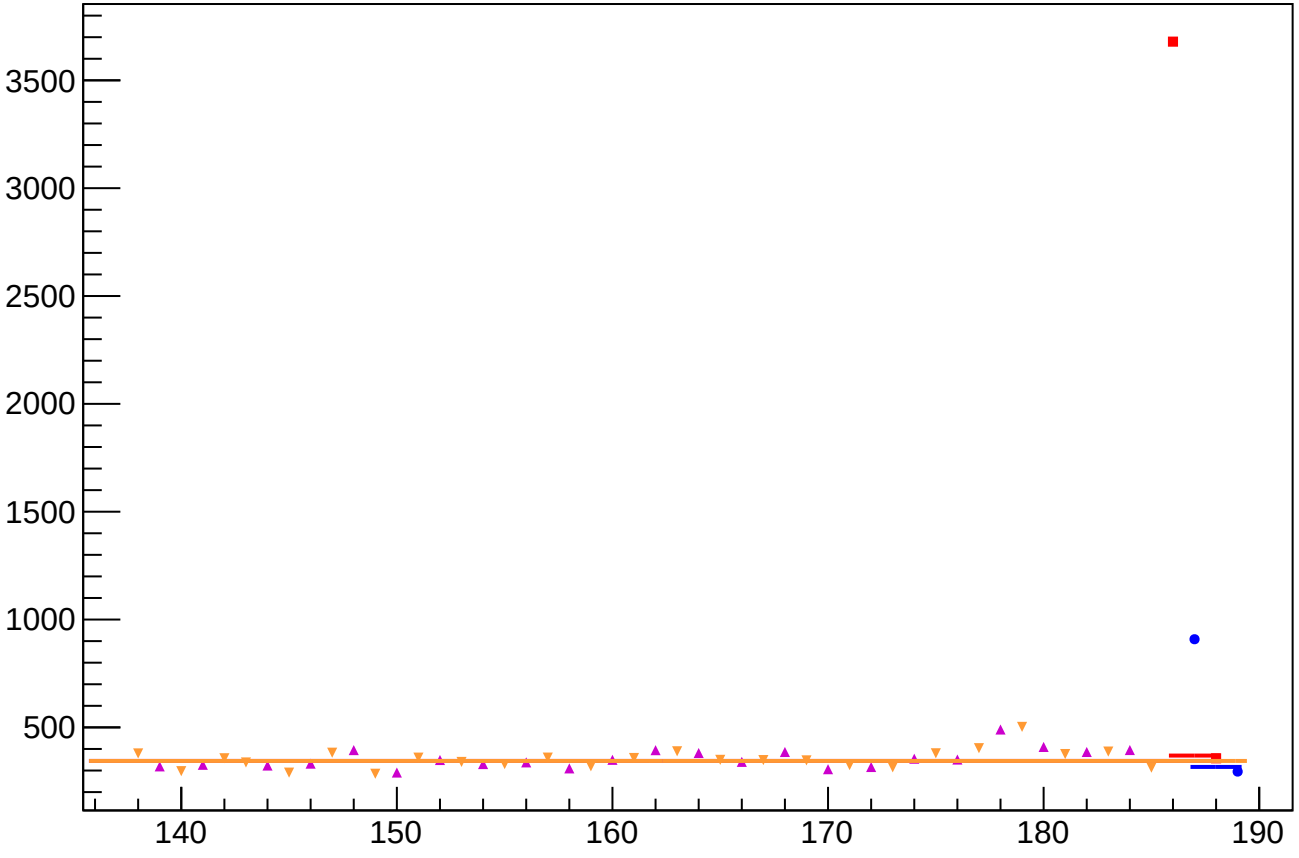
Right: 19.161+/-292.677 $\chi^2$/NDF: 2.4/3

In: -63.207+/-81.421 $\chi^2$/NDF:35.0/24

Out: 211.126+/-79.535 $\chi^2$/NDF:21.8/26

All: 77.174+/-56.895 $\chi^2$/NDF: 62.6/51

# asym_sam_15_avg_rms vs Slug, Sign Corrected




Right In: 316.704+/-0.312 $\chi^2$/NDF: 130838.0/1

Left Out: 344.439+/-0.057 $\chi^2$/NDF:488381.9/24

Right Out: 369.327+/-0.276 $\chi^2$/NDF: 543117.9/1

Left In: 344.475+/-0.059 $\chi^2$/NDF:433401.7/22

Left: 344.457+/-0.041 $\chi^2$/NDF: 921783.8/47

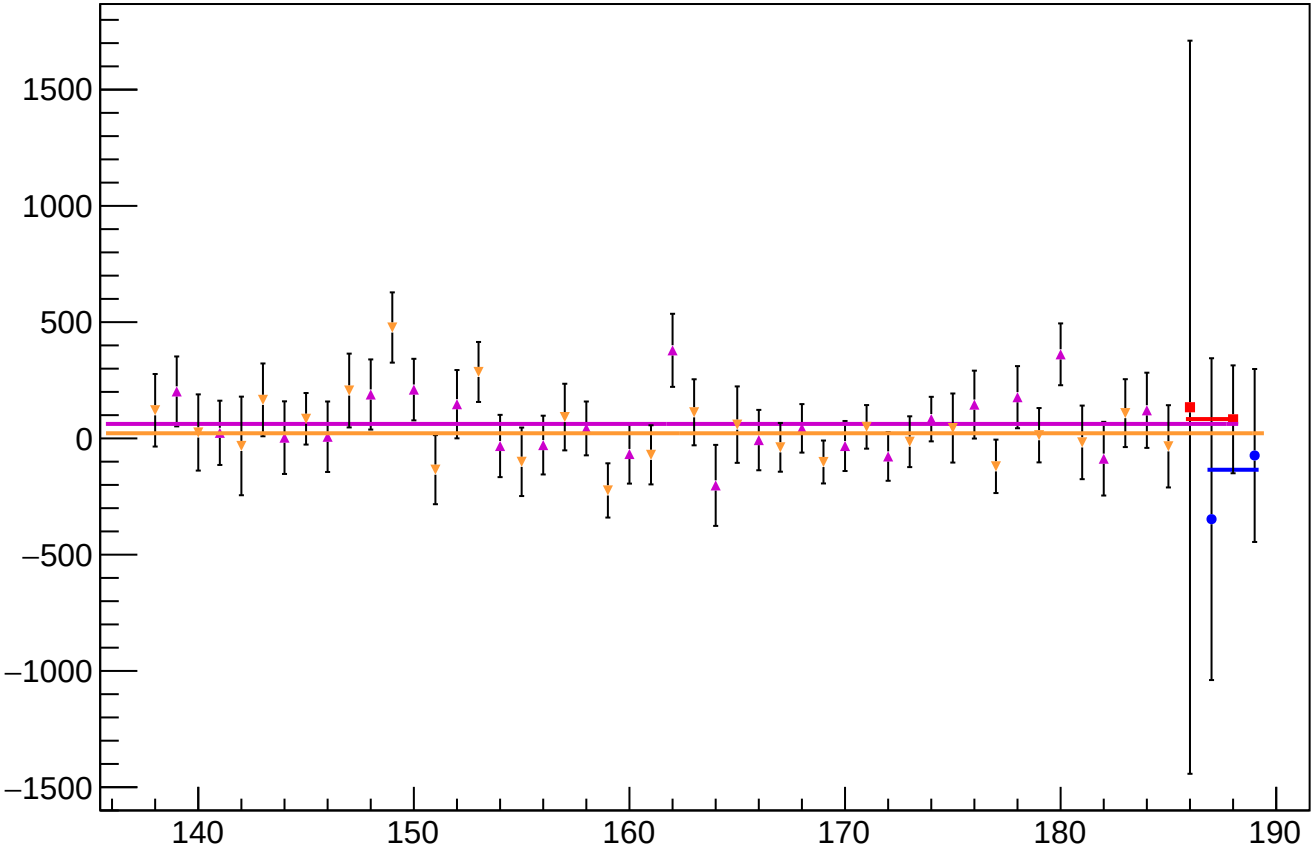
Right: 346.218+/-0.207 $\chi^2$/NDF: 689879.8/3

In: 343.531+/-0.058 $\chi^2$/NDF:571878.3/24

Out: 345.470+/-0.056 $\chi^2$/NDF:1039274.8/26

All: 344.523+/-0.040 $\chi^2$/NDF: 1611733.3/51

# dit_asym_sam_26_avg_mean vs Slug, Sign Corrected




Right In: -134.802+/-327.618 $\chi^2$/NDF: 0.1/1

Left Out: 22.164+/-26.284 $\chi^2$/NDF:28.1/24

Right Out: 83.205+/-229.509 $\chi^2$/NDF: 0.0/1

Left In: 62.310+/-27.398 $\chi^2$/NDF:22.0/22

Left: 41.404+/-18.967 $\chi^2$/NDF: 51.2/47

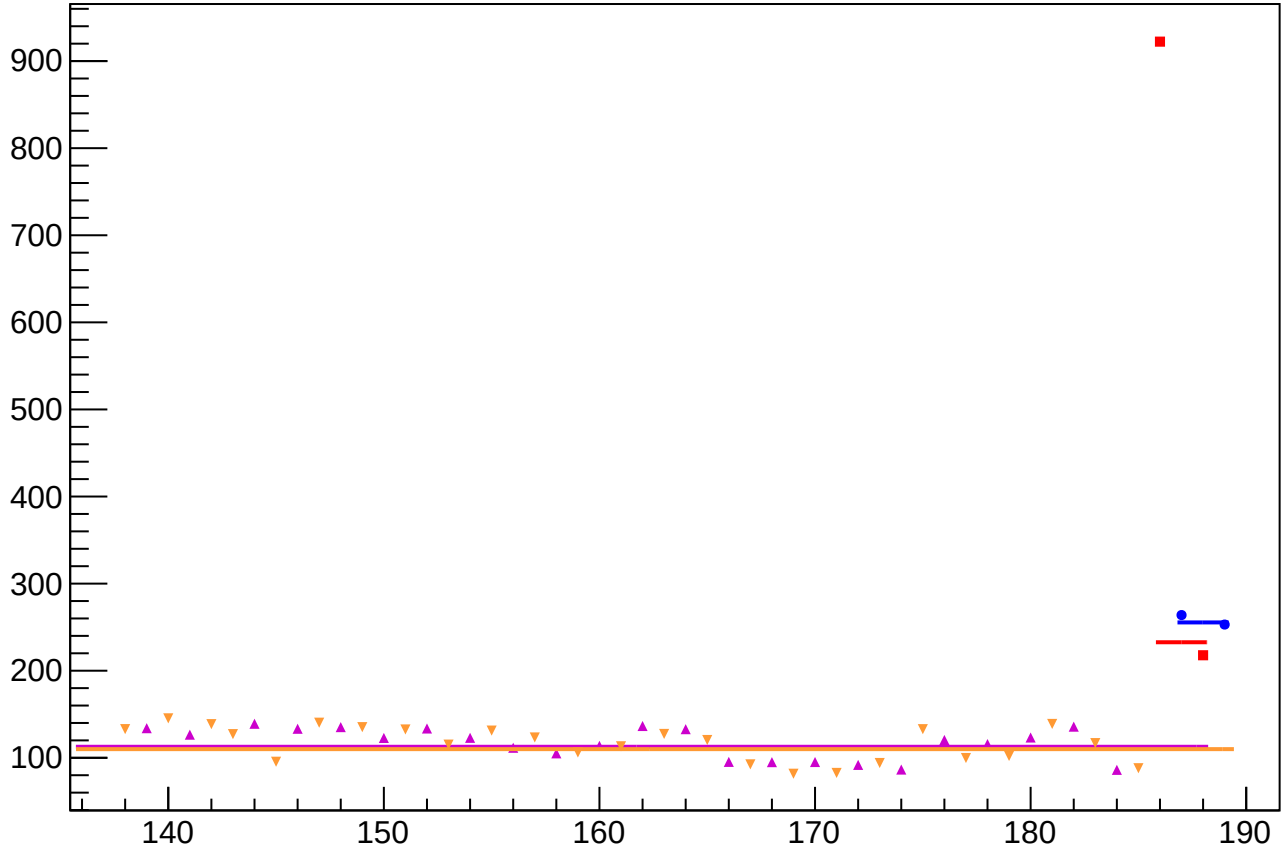
Right: 11.437+/-187.974 $\chi^2$/NDF: 0.4/3

In: 60.941+/-27.303 $\chi^2$/NDF:22.5/24

Out: 22.954+/-26.113 $\chi^2$/NDF:28.1/26

All: 41.102+/-18.872 $\chi^2$/NDF: 51.7/51

# dit_asym_sam_26_avg_rms vs Slug, Sign Corrected




Right In: 255.444+/-0.232 $\chi^2$/NDF: 384.6/1

Left Out: 109.953+/-0.019 $\chi^2$/NDF:1140626.9/24

Right Out: 232.676+/-0.162 $\chi^2$/NDF: 391047.6/1

Left In: 112.657+/-0.019 $\chi^2$/NDF:835831.1/22

Left: 111.249+/-0.013 $\chi^2$/NDF: 1986605.7/47

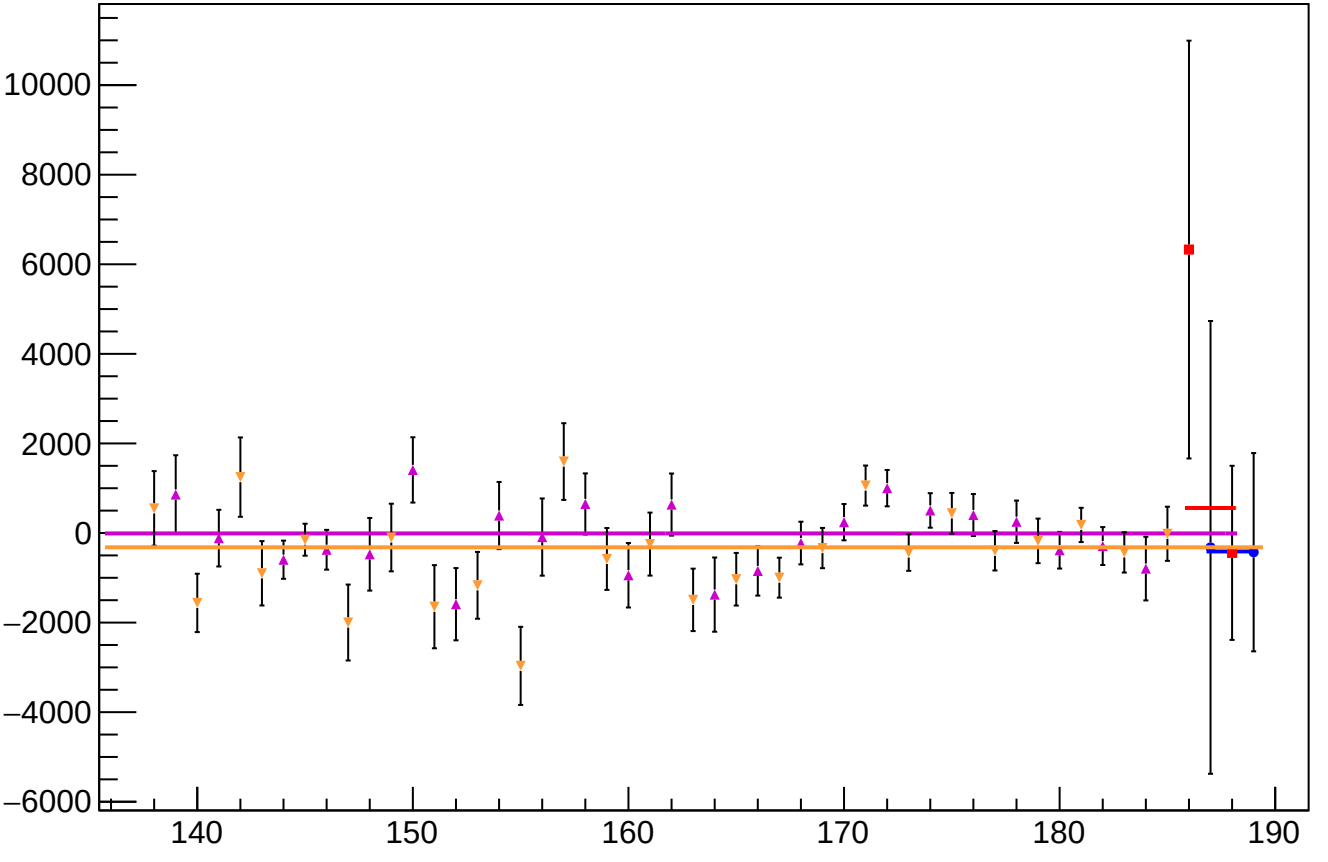
Right: 240.171+/-0.133 $\chi^2$/NDF: 397912.0/3

In: 113.649+/-0.019 $\chi^2$/NDF:1213481.6/24

Out: 111.541+/-0.018 $\chi^2$/NDF:2096120.4/26

All: 112.548+/-0.013 $\chi^2$/NDF: 3315824.9/51

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected




Right In: -411.241+/-2027.415 $\chi^2$/NDF: 0.0/1

Left Out: -319.391+/-110.306 $\chi^2$/NDF:51.5/24

Right Out: 558.942+/-1794.057 $\chi^2$/NDF: 1.8/1

Left In: -9.462+/-112.340 $\chi^2$/NDF:32.5/22

Left: -167.259+/-78.707 $\chi^2$/NDF: 87.9/47

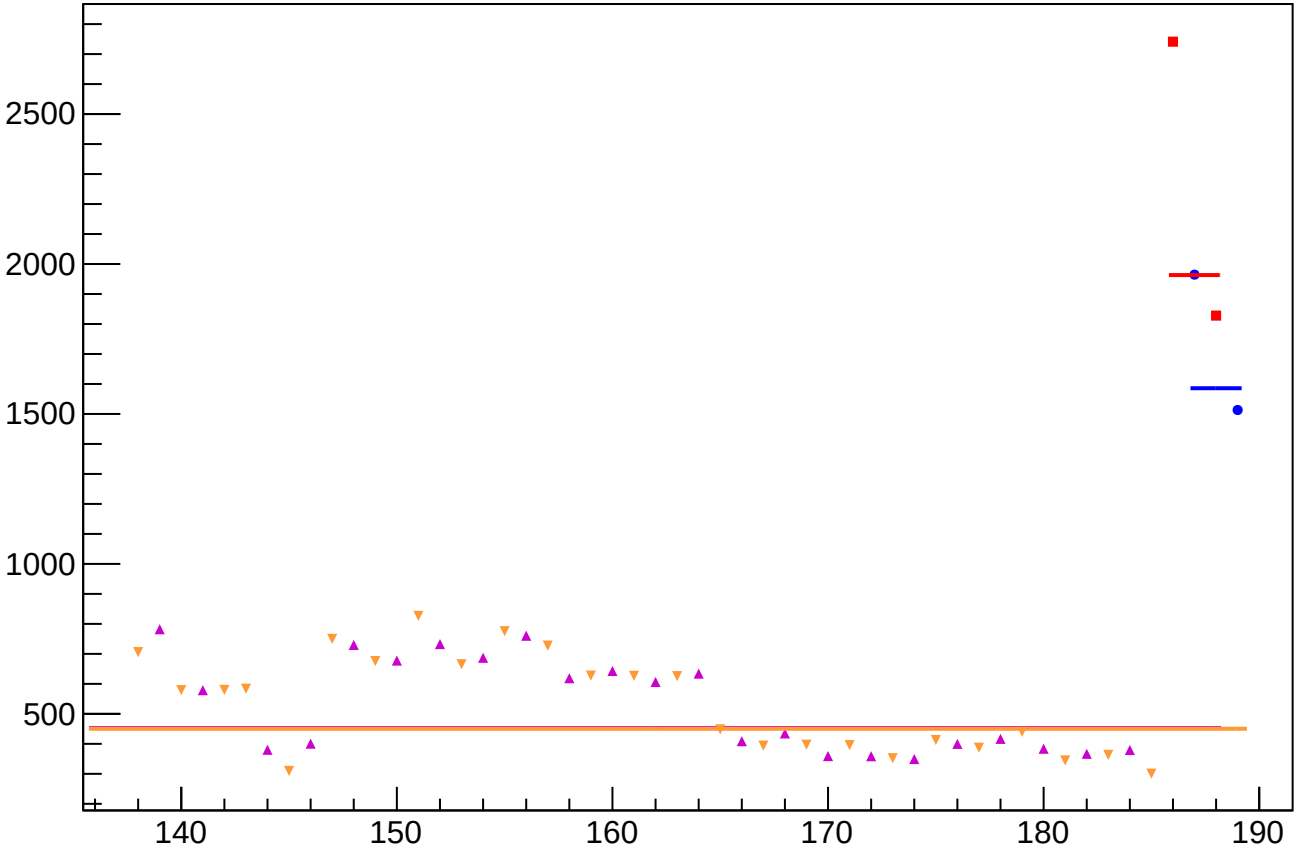
Right: 132.874+/-1343.554 $\chi^2$/NDF: 1.9/3

In: -10.692+/-112.168 $\chi^2$/NDF:32.5/24

Out: -316.083+/-110.098 $\chi^2$/NDF:53.6/26

All: -166.232+/-78.573 $\chi^2$/NDF: 89.9/51

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected




Right In: 1585.795+/-1.434 $\chi^2$/NDF: 13378.3/1

Left Out: 450.363+/-0.078 $\chi^2$/NDF:3096435.8/24

Right Out: 1963.153+/-1.269 $\chi^2$/NDF: 65359.9/1

Left In: 452.694+/-0.079 $\chi^2$/NDF:2586032.2/22

Left: 451.507+/-0.056 $\chi^2$/NDF: 5682906.4/47

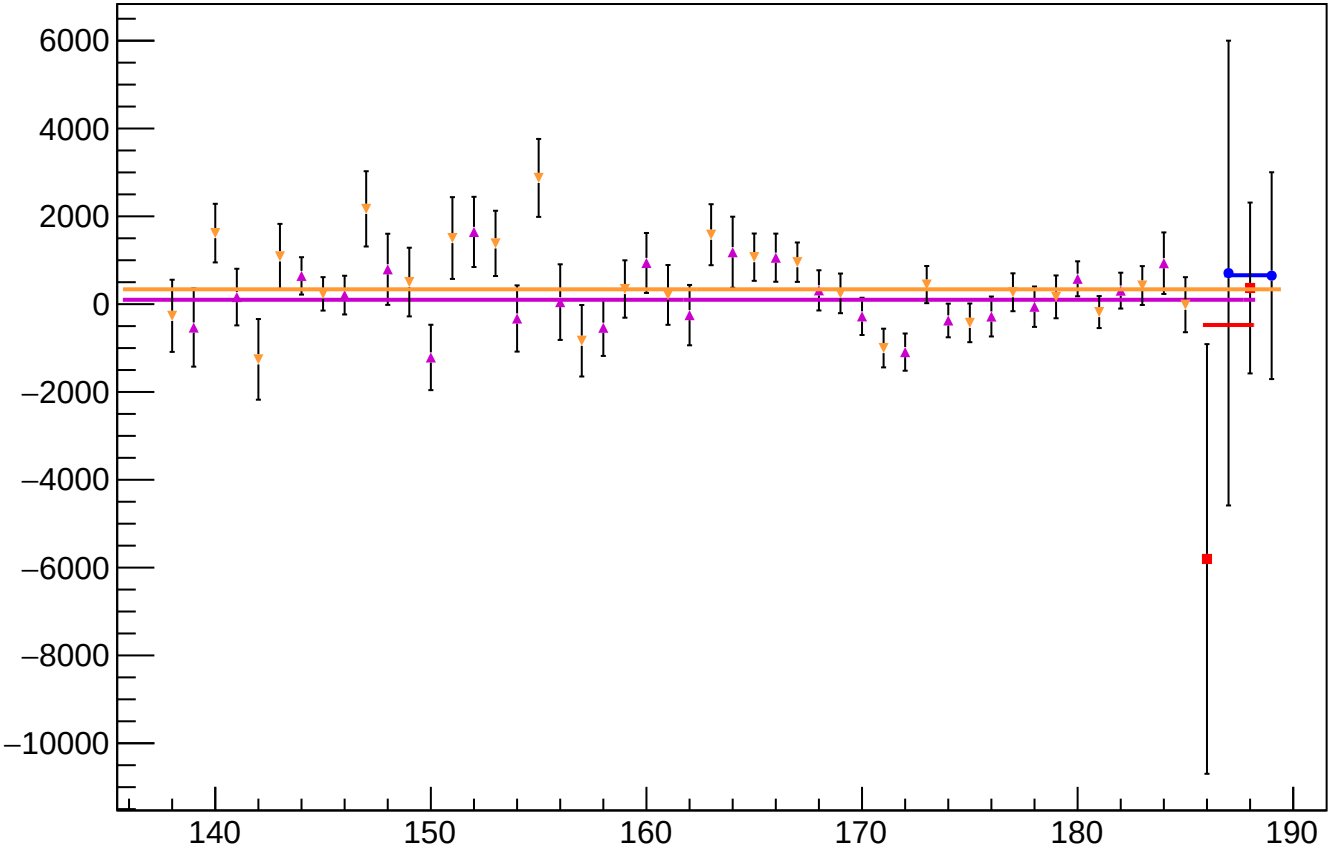
Right: 1797.432+/-0.950 $\chi^2$/NDF: 117597.1/3

In: 456.162+/-0.079 $\chi^2$/NDF:3222212.7/24

Out: 456.060+/-0.078 $\chi^2$/NDF:4578491.3/26

All: 456.110+/-0.056 $\chi^2$/NDF: 7800704.8/51

# asym_sam_26_avg_mean vs Slug, Sign Corrected




Right In: 658.374+/-2151.739 $\chi^2$/NDF: 0.0/1

Left Out: 337.948+/-109.831 $\chi^2$/NDF:48.6/24

Right Out: -474.538+/-1807.825 $\chi^2$/NDF: 1.4/1

Left In: 99.475+/-111.475 $\chi^2$/NDF:32.1/22

Left: 220.483+/-78.237 $\chi^2$/NDF: 83.0/47

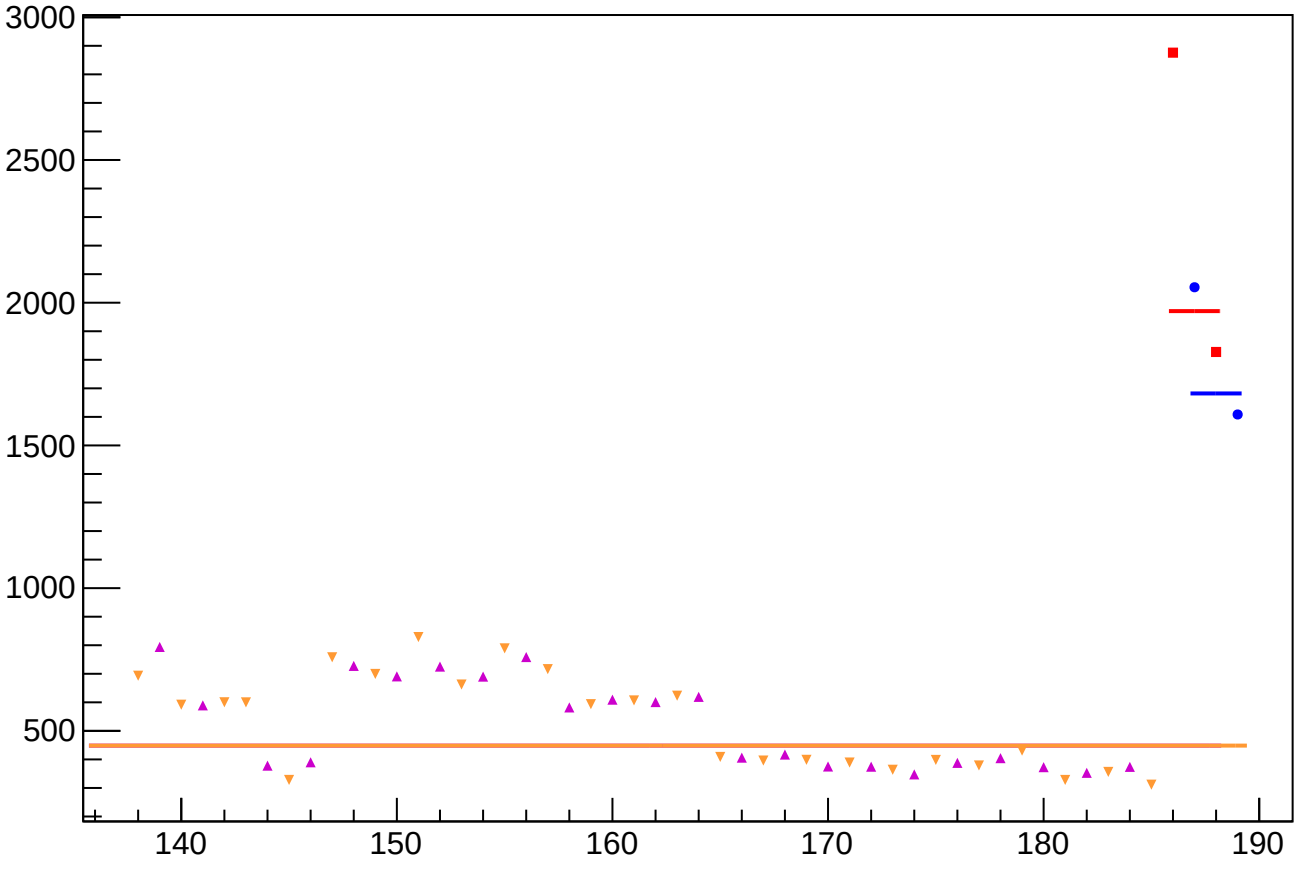
Right: -5.746+/-1384.145 $\chi^2$/NDF: 1.5/3

In: 100.971+/-111.326 $\chi^2$/NDF:32.1/24

Out: 334.960+/-109.629 $\chi^2$/NDF:50.1/26

All: 219.763+/-78.112 $\chi^2$/NDF: 84.5/51

# asym_sam_26_avg_rms vs Slug, Sign Corrected




Right In: 1682.123+/-1.522 $\chi^2$/NDF: 11838.2/1

Left Out: 448.397+/-0.078 $\chi^2$/NDF:3077183.0/24

Right Out: 1970.563+/-1.278 $\chi^2$/NDF: 79322.0/1

Left In: 448.238+/-0.079 $\chi^2$/NDF:2563455.5/22

Left: 448.319+/-0.055 $\chi^2$/NDF: 5640640.6/47

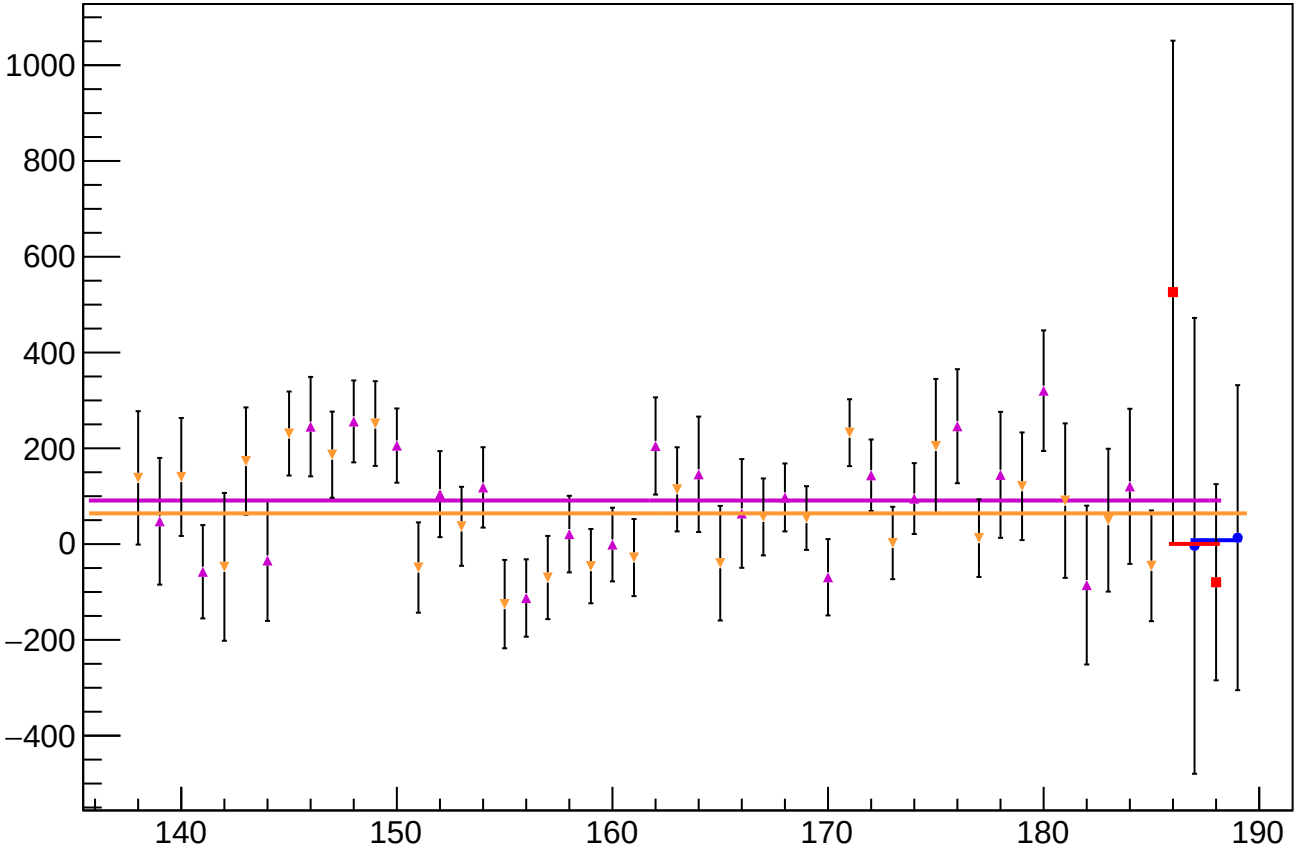
Right: 1851.208+/-0.979 $\chi^2$/NDF: 112227.8/3

In: 451.541+/-0.079 $\chi^2$/NDF:3231190.4/24

Out: 453.994+/-0.078 $\chi^2$/NDF:4569177.5/26

All: 452.787+/-0.055 $\chi^2$/NDF: 7800860.8/51

# dit_asym_sam_37_avg_mean vs Slug, Sign Corrected




Right In: 8.145+/-264.660 $\chi^2$/NDF: 0.0/1

Left Out: 64.142+/-18.728 $\chi^2$/NDF:33.8/24

Right Out: 0.420+/-190.848 $\chi^2$/NDF: 1.2/1

Left In: 91.028+/-19.637 $\chi^2$/NDF:32.6/22

Left: 76.948+/-13.553 $\chi^2$/NDF: 67.4/47

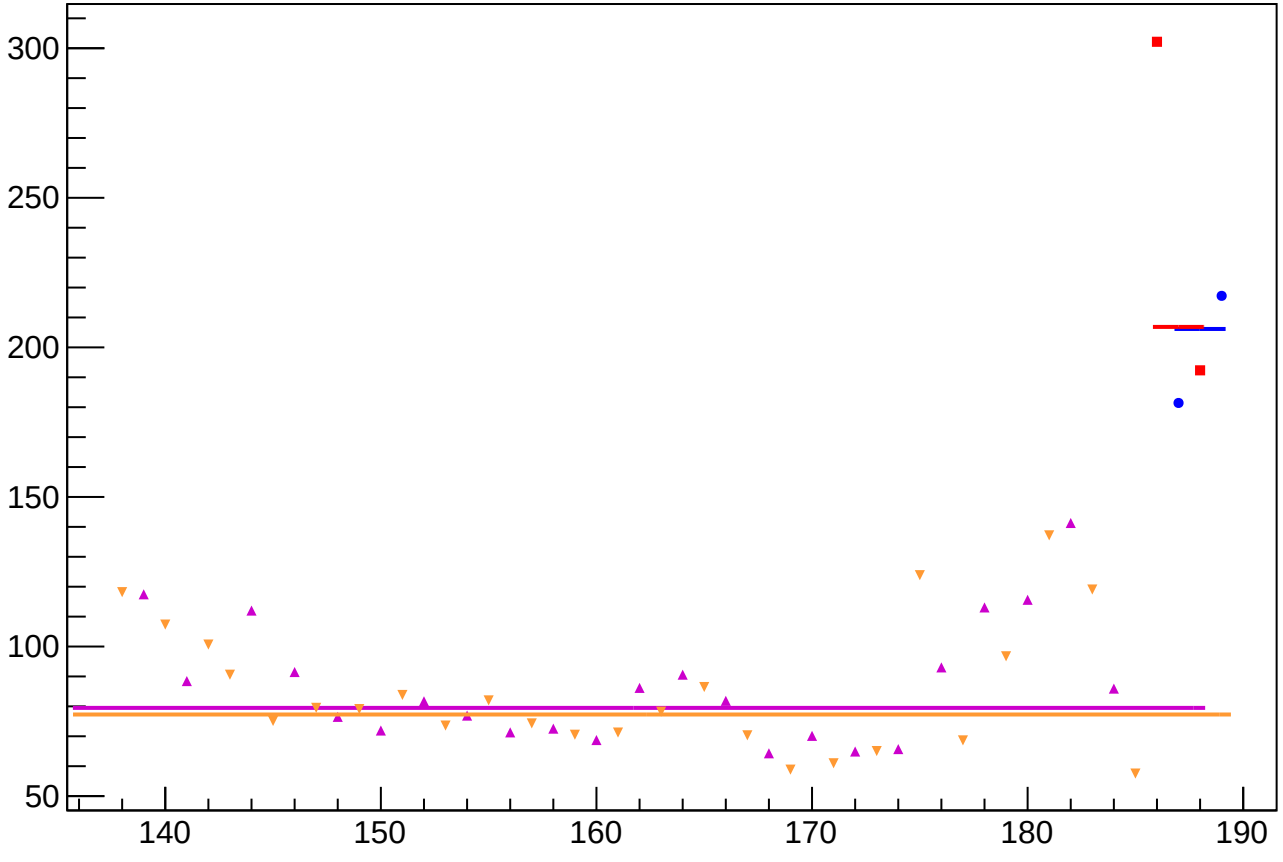
Right: 3.063+/-154.798 $\chi^2$/NDF: 1.2/3

In: 90.575+/-19.583 $\chi^2$/NDF:32.7/24

Out: 63.534+/-18.638 $\chi^2$/NDF:35.0/26

All: 76.386+/-13.501 $\chi^2$/NDF: 68.8/51

# dit_asym_sam_37_avg_rms vs Slug, Sign Corrected




Right In: 206.157+/-0.187 $\chi^2$/NDF: 7817.8/1

Left Out: 77.280+/-0.013 $\chi^2$/NDF:1553410.1/24

Right Out: 206.842+/-0.135 $\chi^2$/NDF: 75953.4/1

Left In: 79.491+/-0.014 $\chi^2$/NDF:1333774.9/22

Left: 78.333+/-0.010 $\chi^2$/NDF: 2900472.8/47

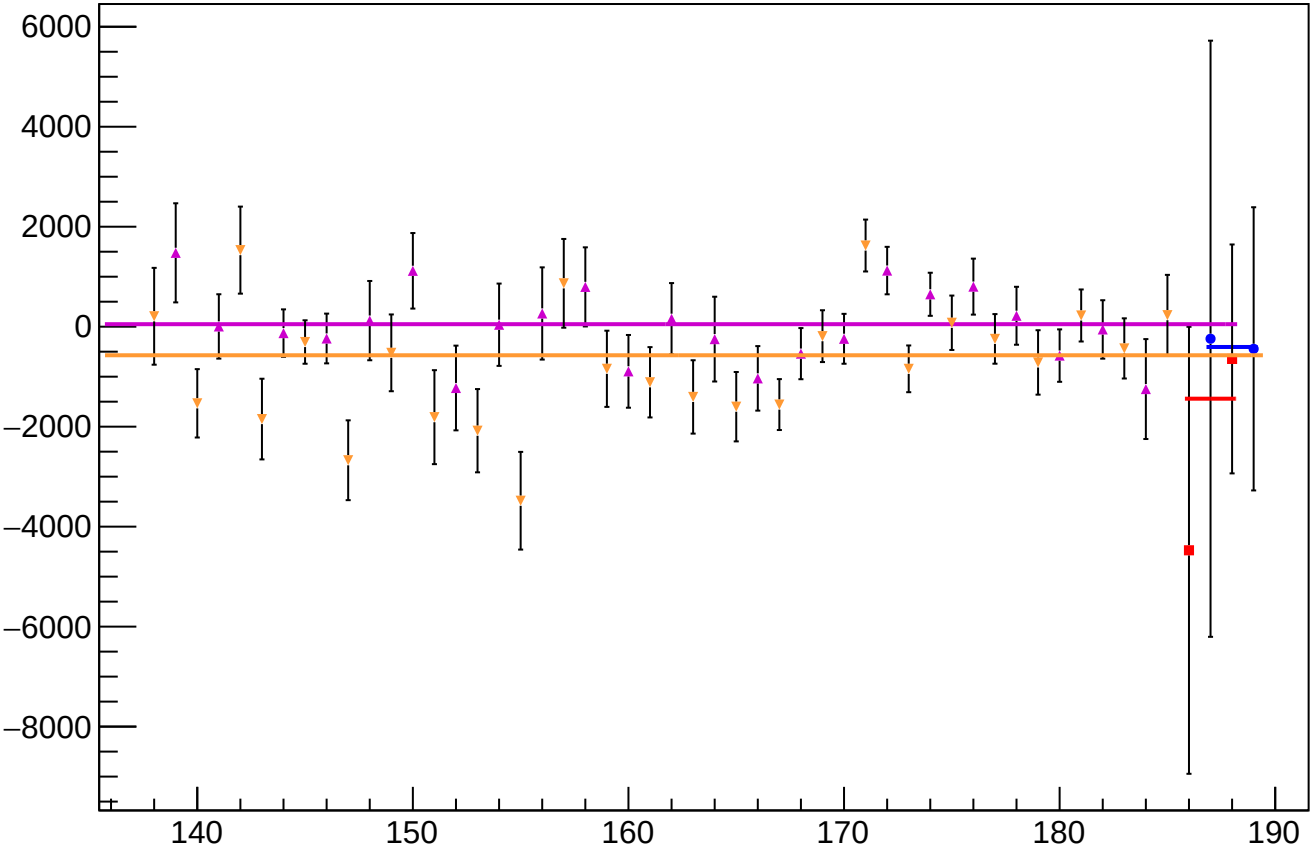
Right: 206.608+/-0.109 $\chi^2$/NDF: 83780.0/3

In: 80.185+/-0.014 $\chi^2$/NDF:1797191.8/24

Out: 78.515+/-0.013 $\chi^2$/NDF:2542324.1/26

All: 79.309+/-0.010 $\chi^2$/NDF: 4347144.4/51

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected




Right In: -405.921+/-2558.507 $\chi^2$/NDF: 0.0/1

Left Out: -571.669+/-128.158 $\chi^2$/NDF:66.8/24

Right Out: -1440.323+/-2037.972 $\chi^2$/NDF: 0.6/1

Left In: 50.077+/-129.187 $\chi^2$/NDF:26.1/22

Left: -263.282+/-90.983 $\chi^2$/NDF: 104.6/47

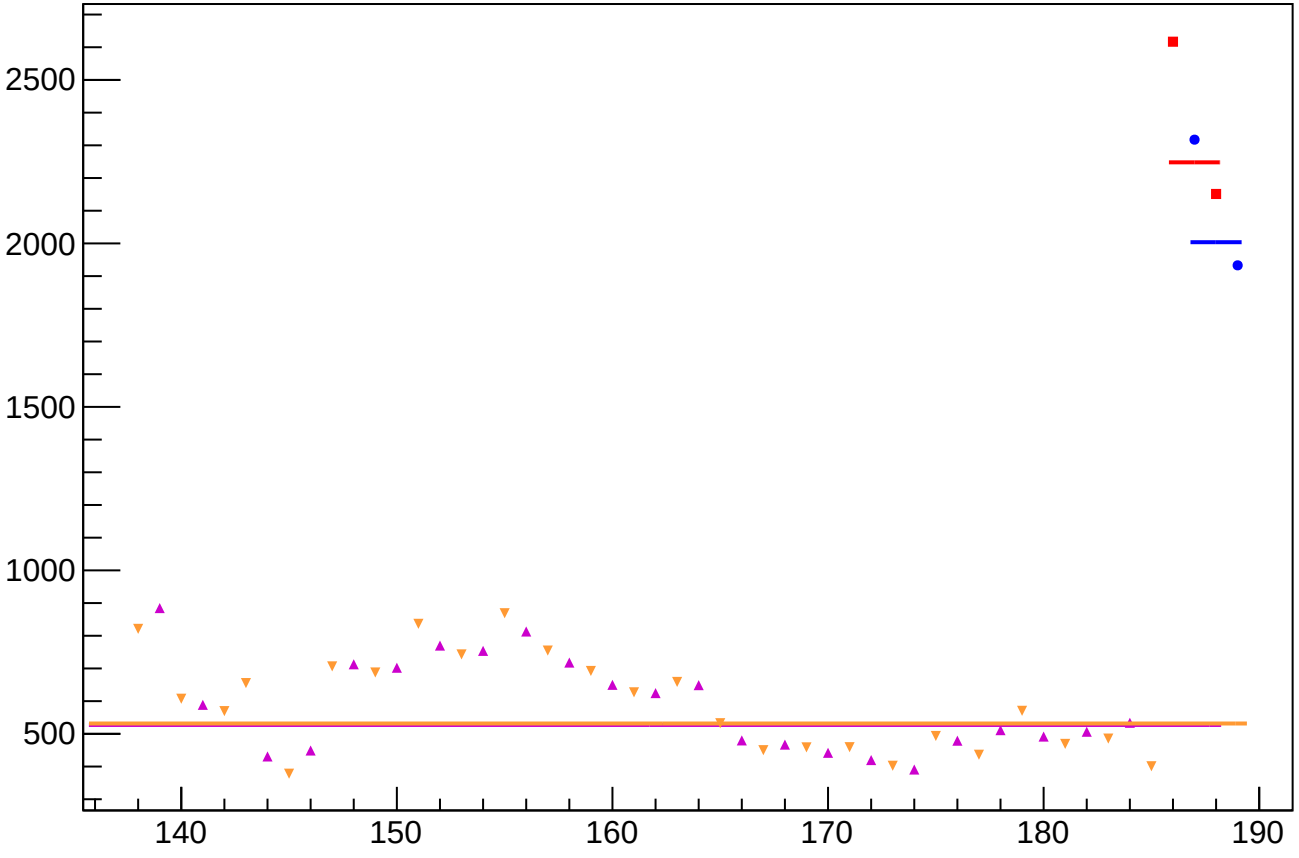
Right: -1038.781+/-1594.070 $\chi^2$/NDF: 0.7/3

In: 48.917+/-129.022 $\chi^2$/NDF:26.2/24

Out: -575.090+/-127.905 $\chi^2$/NDF:67.5/26

All: -265.800+/-90.835 $\chi^2$/NDF: 105.5/51

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected




Right In: 2003.717+/-1.809 $\chi^2$/NDF: 6780.8/1

Left Out: 531.643+/-0.091 $\chi^2$/NDF:2038304.3/24

Right Out: 2247.984+/-1.441 $\chi^2$/NDF: 17190.5/1

Left In: 527.182+/-0.091 $\chi^2$/NDF:1813383.7/22

Left: 529.430+/-0.064 $\chi^2$/NDF: 3852889.7/47

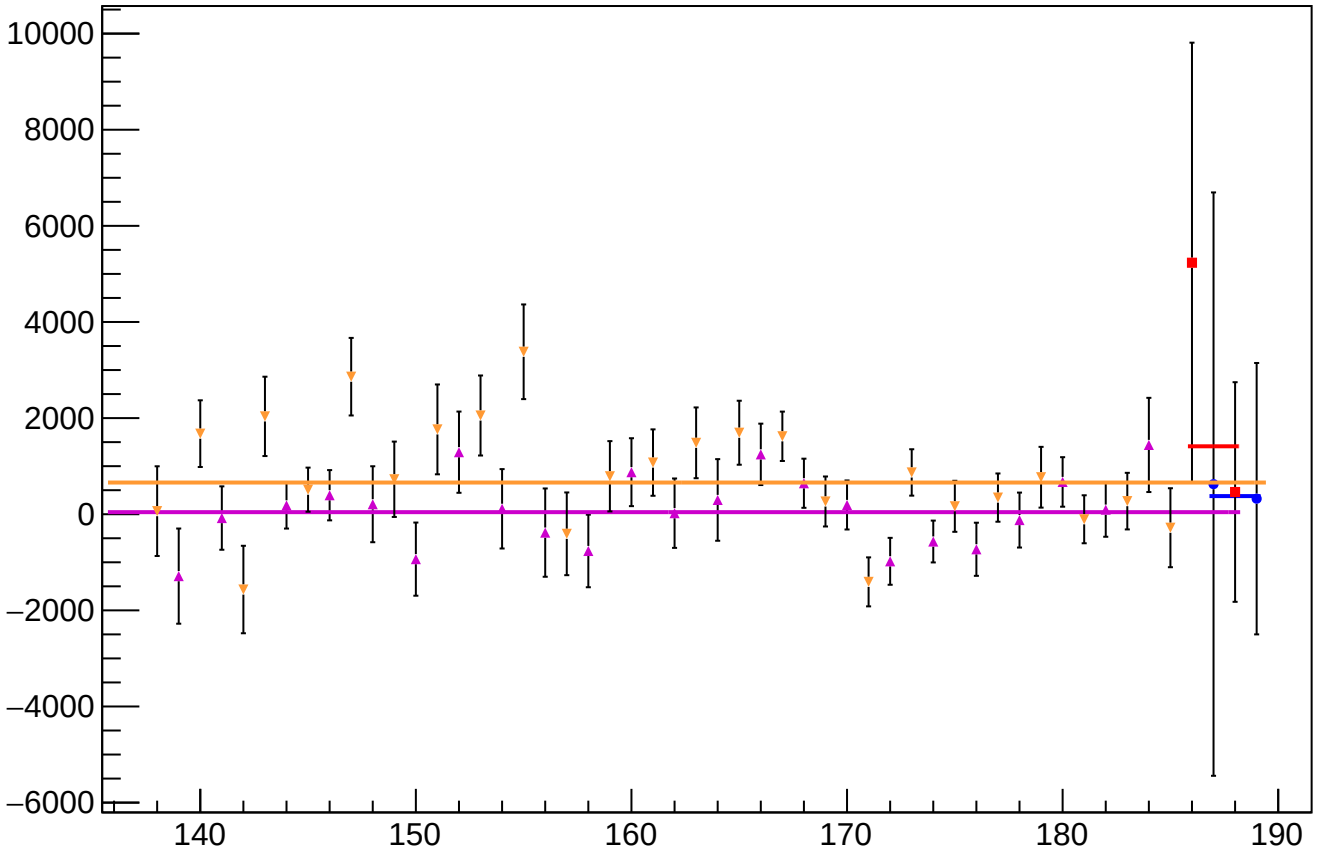
Right: 2153.163+/-1.127 $\chi^2$/NDF: 35124.6/3

In: 530.937+/-0.091 $\chi^2$/NDF:2484577.7/24

Out: 538.403+/-0.090 $\chi^2$/NDF:3468444.9/26

All: 534.703+/-0.064 $\chi^2$/NDF: 5956400.2/51

# asym_sam_37_avg_mean vs Slug, Sign Corrected




Right In: 377.408+/-2559.931 $\chi^2$/NDF: 0.0/1

Left Out: 659.523+/-128.164 $\chi^2$/NDF:62.4/24

Right Out: 1413.344+/-2044.299 $\chi^2$/NDF: 0.9/1

Left In: 43.183+/-129.538 $\chi^2$/NDF:26.0/22

Left: 354.638+/-91.108 $\chi^2$/NDF: 99.9/47

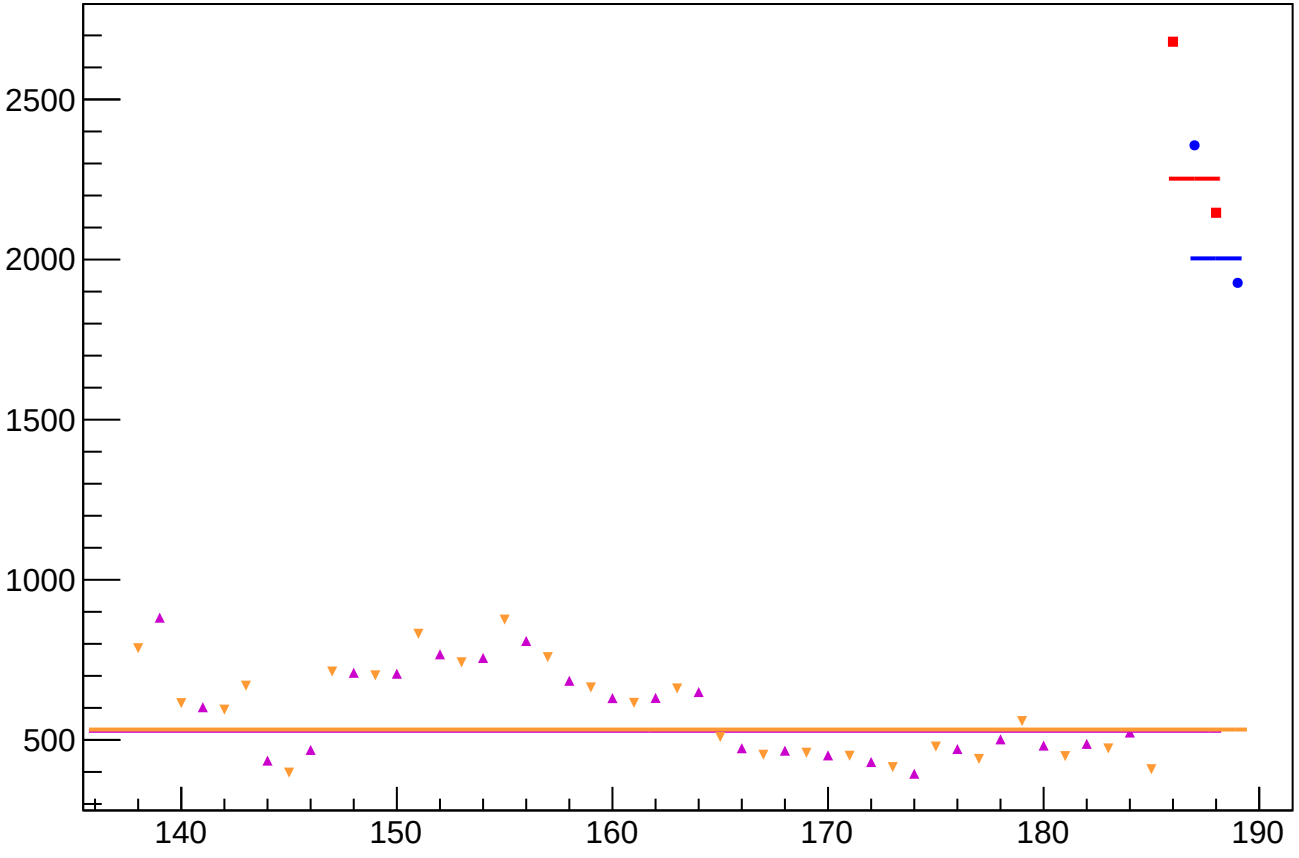
Right: 1009.954+/-1597.438 $\chi^2$/NDF: 1.0/3

In: 44.036+/-129.372 $\chi^2$/NDF:26.1/24

Out: 662.474+/-127.913 $\chi^2$/NDF:63.4/26

All: 356.763+/-90.960 $\chi^2$/NDF: 101.0/51

# asym_sam_37_avg_rms vs Slug, Sign Corrected




Right In: 2003.685+/-1.810 $\chi^2$/NDF: 8233.9/1

Left Out: 532.393+/-0.091 $\chi^2$/NDF:1943066.8/24

Right Out: 2252.645+/-1.446 $\chi^2$/NDF: 21793.3/1

Left In: 528.464+/-0.092 $\chi^2$/NDF:1712049.5/22

Left: 530.449+/-0.064 $\chi^2$/NDF: 3656045.7/47

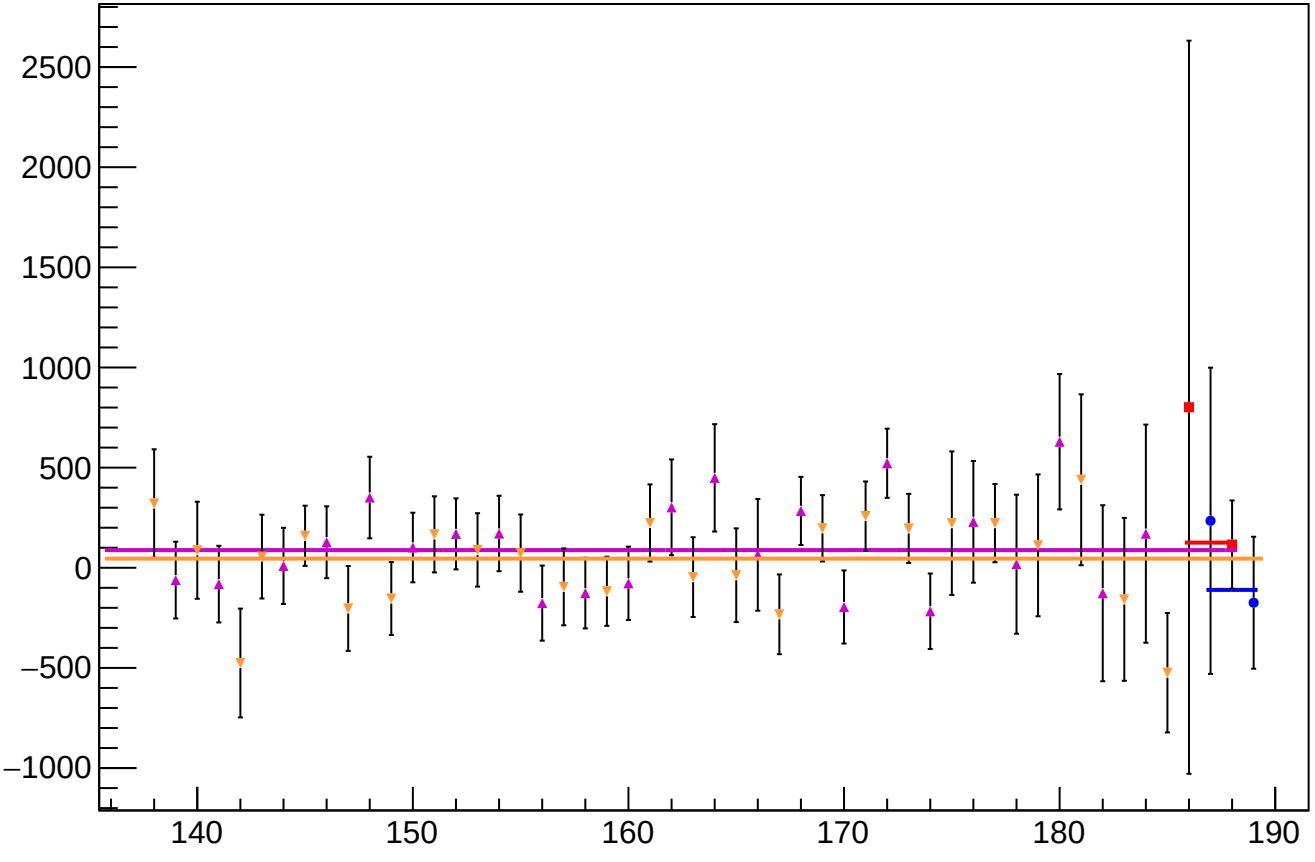
Right: 2155.701+/-1.130 $\chi^2$/NDF: 41577.4/3

In: 532.232+/-0.091 $\chi^2$/NDF:2382769.6/24

Out: 539.128+/-0.090 $\chi^2$/NDF:3375517.9/26

All: 535.719+/-0.064 $\chi^2$/NDF: 5761160.4/51

# dit_asym_sam_48_avg_mean vs Slug, Sign Corrected




Right In: -110.463+/-302.562 $\chi^2$/NDF: 0.2/1

Left Out: 45.675+/-41.779 $\chi^2$/NDF:21.9/24

Right Out: 125.576+/-218.725 $\chi^2$/NDF: 0.1/1

Left In: 88.356+/-43.518 $\chi^2$/NDF:26.4/22

Left: 66.145+/-30.138 $\chi^2$/NDF: 48.8/47

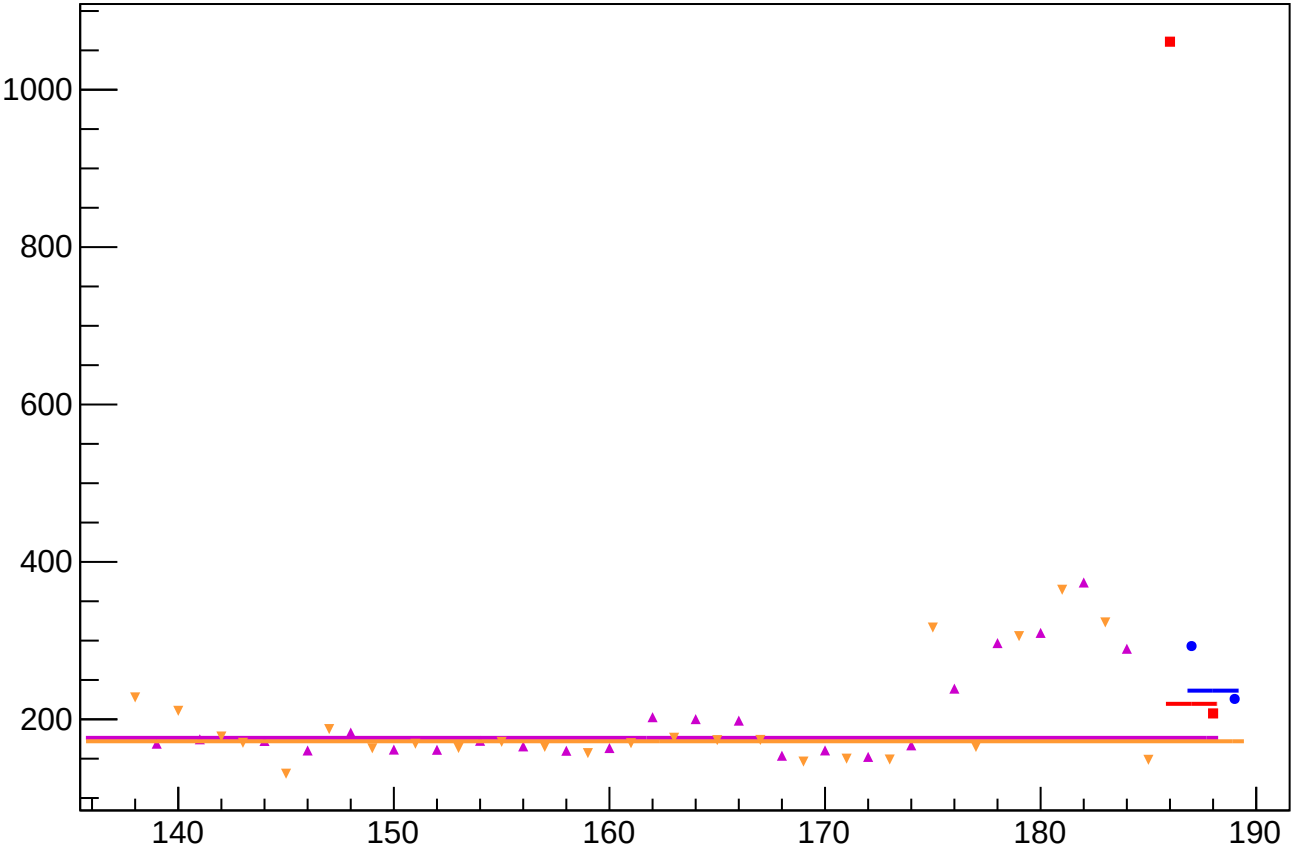
Right: 44.561+/-177.258 $\chi^2$/NDF: 0.8/3

In: 84.326+/-43.075 $\chi^2$/NDF:27.0/24

Out: 48.488+/-41.037 $\chi^2$/NDF:22.2/26

All: 65.539+/-29.712 $\chi^2$/NDF: 49.6/51

# dit_asym_sam_48_avg_rms vs Slug, Sign Corrected




Right In: 236.434+/-0.214 $\chi^2$/NDF: 13020.6/1

Left Out: 172.097+/-0.030 $\chi^2$/NDF:1752497.1/24

Right Out: 219.679+/-0.155 $\chi^2$/NDF: 428768.4/1

Left In: 176.425+/-0.031 $\chi^2$/NDF:1360607.7/22

Left: 174.173+/-0.021 $\chi^2$/NDF: 3123399.2/47

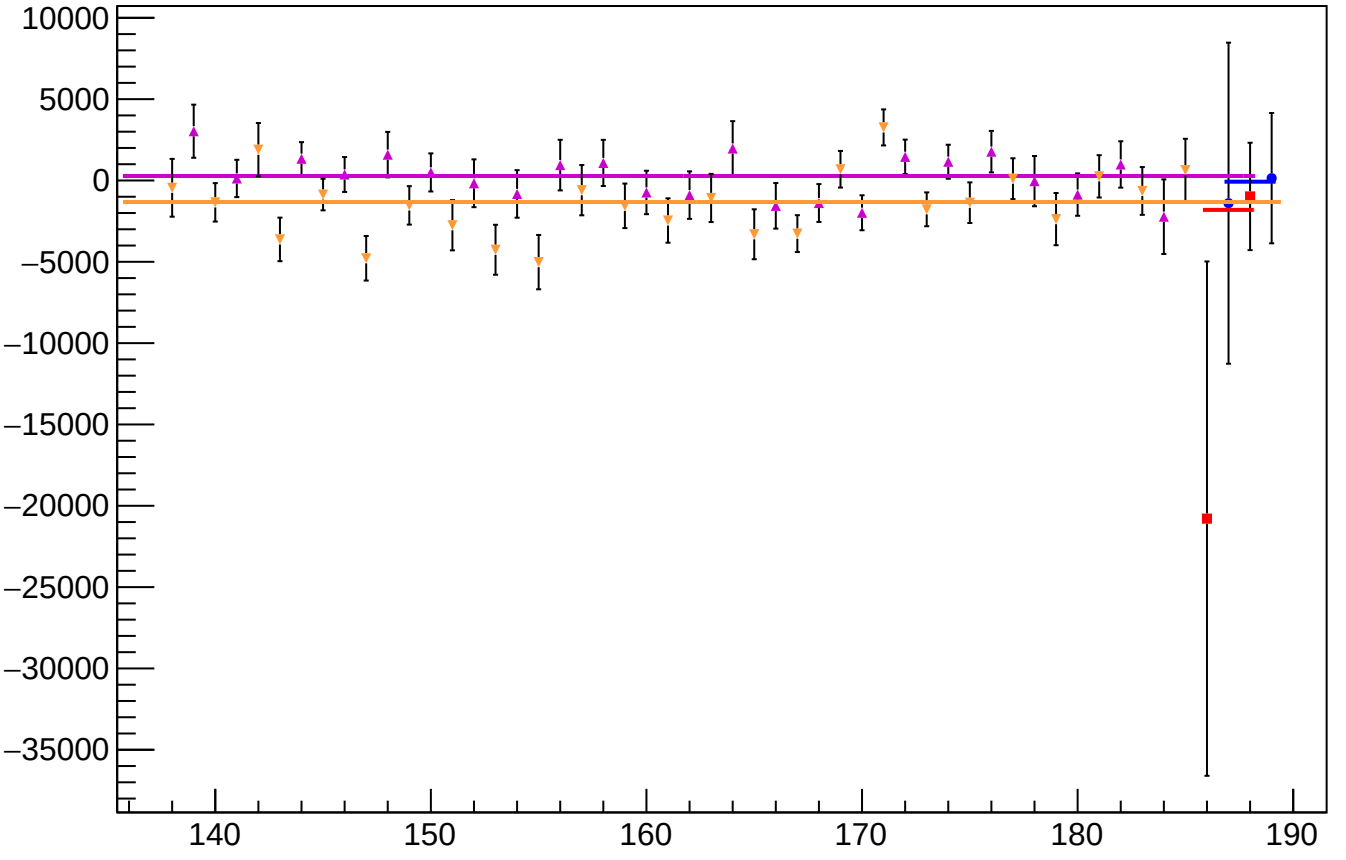
Right: 225.430+/-0.125 $\chi^2$/NDF: 445817.3/3

In: 177.641+/-0.030 $\chi^2$/NDF:1450709.5/24

Out: 173.772+/-0.029 $\chi^2$/NDF:2272583.4/26

All: 175.613+/-0.021 $\chi^2$/NDF: 3731753.2/51

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected




Right In: -74.393+/-3712.128 $\chi^2$/NDF: 0.0/1

Left Out: -1324.367+/-265.950 $\chi^2$/NDF:53.6/24

Right Out: -1807.655+/-3230.544 $\chi^2$/NDF: 1.5/1

Left In: 276.678+/-270.547 $\chi^2$/NDF:22.0/22

Left: -537.562+/-189.659 $\chi^2$/NDF: 93.5/47

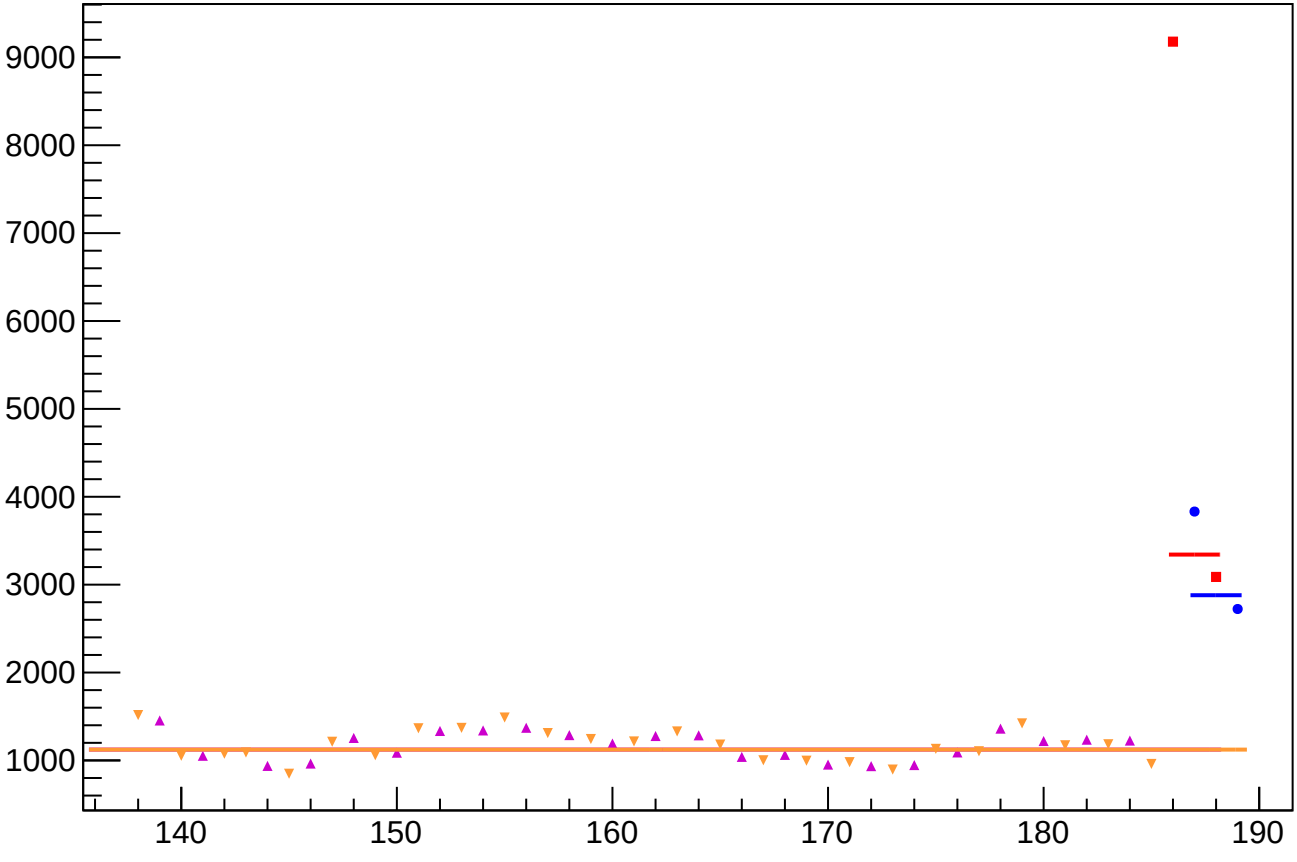
Right: -1060.677+/-2436.939 $\chi^2$/NDF: 1.6/3

In: 274.823+/-269.831 $\chi^2$/NDF:22.0/24

Out: -1327.620+/-265.053 $\chi^2$/NDF:55.1/26

All: -540.711+/-189.088 $\chi^2$/NDF: 95.1/51

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected




Right In: 2879.819+/-2.625 $\chi^2$/NDF: 21672.5/1

Left Out: 1123.022+/-0.188 $\chi^2$/NDF:842393.5/24

Right Out: 3342.181+/-2.284 $\chi^2$/NDF: 284416.6/1

Left In: 1123.148+/-0.191 $\chi^2$/NDF:689778.4/22

Left: 1123.084+/-0.134 $\chi^2$/NDF: 1532172.1/47

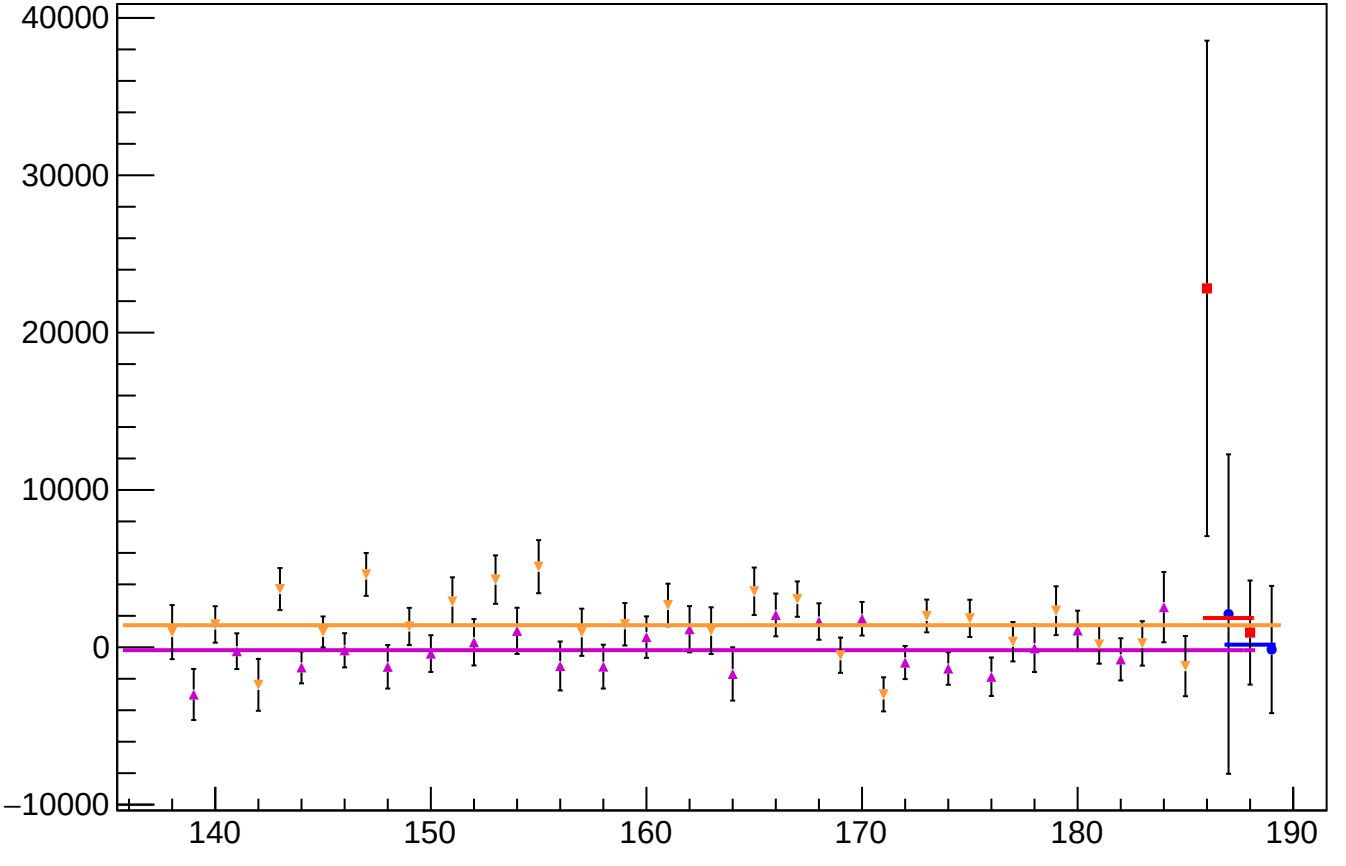
Right: 3142.918+/-1.723 $\chi^2$/NDF: 323744.9/3

In: 1132.429+/-0.191 $\chi^2$/NDF:1156968.4/24

Out: 1137.960+/-0.187 $\chi^2$/NDF:2064203.7/26

All: 1135.244+/-0.134 $\chi^2$/NDF: 3221599.7/51

# asym_sam_48_avg_mean vs Slug, Sign Corrected




Right In: 168.338+/-3756.585 $\chi^2$/NDF: 0.0/1

Left Out: 1404.763+/-262.517 $\chi^2$/NDF:53.1/24

Right Out: 1861.921+/-3237.855 $\chi^2$/NDF: 1.8/1

Left In: -183.249+/-267.620 $\chi^2$/NDF:23.7/22

Left: 626.041+/-187.406 $\chi^2$/NDF: 94.8/47

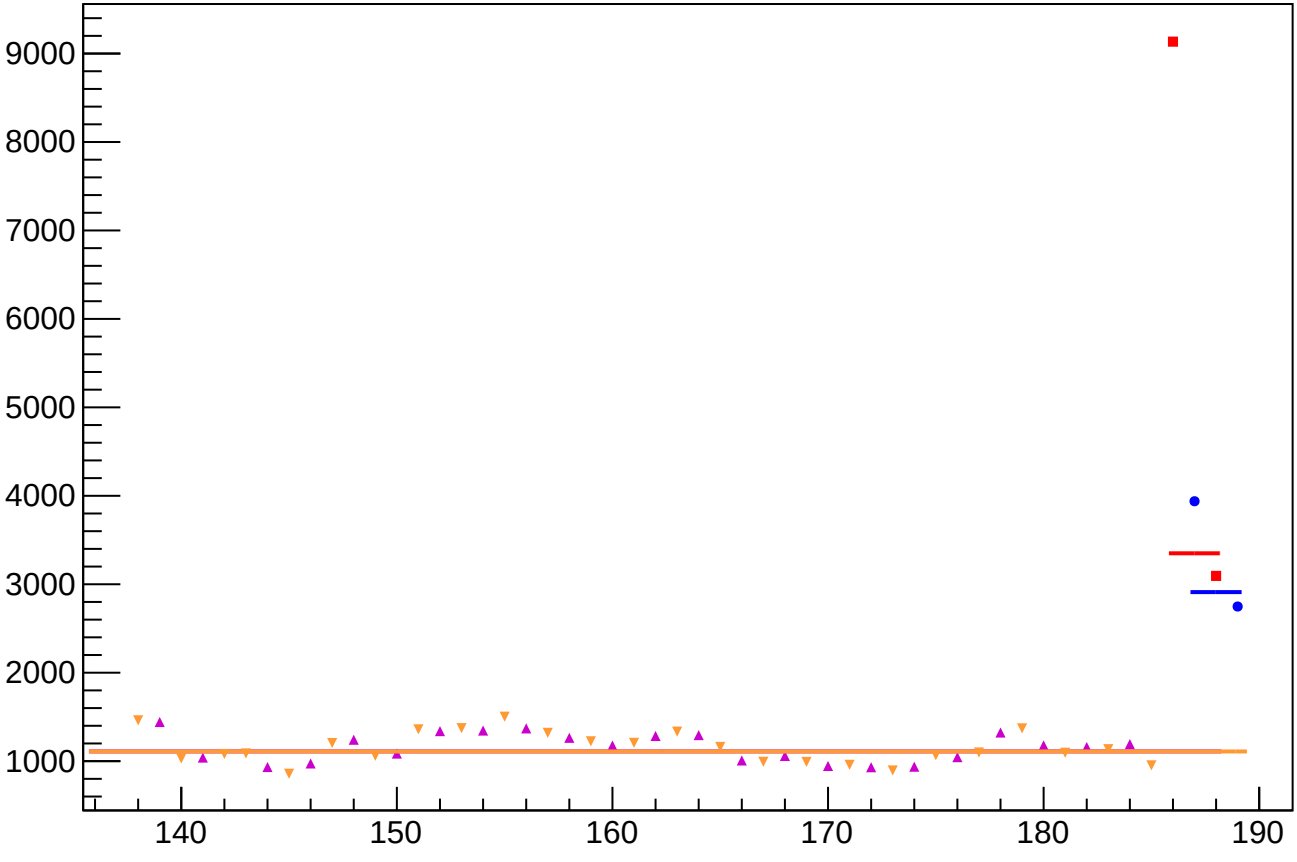
Right: 1140.044+/-2452.571 $\chi^2$/NDF: 2.0/3

In: -181.474+/-266.944 $\chi^2$/NDF:23.8/24

Out: 1407.748+/-261.659 $\chi^2$/NDF:55.0/26

All: 629.025+/-186.861 $\chi^2$/NDF: 96.8/51

# asym_sam_48_avg_rms vs Slug, Sign Corrected




Right In: 2911.294+/-2.656 $\chi^2$/NDF: 23729.3/1

Left Out: 1109.574+/-0.186 $\chi^2$/NDF:812957.8/24

Right Out: 3349.902+/-2.290 $\chi^2$/NDF: 281896.7/1

Left In: 1110.162+/-0.189 $\chi^2$/NDF:673229.2/22

Left: 1109.863+/-0.133 $\chi^2$/NDF: 1486192.0/47

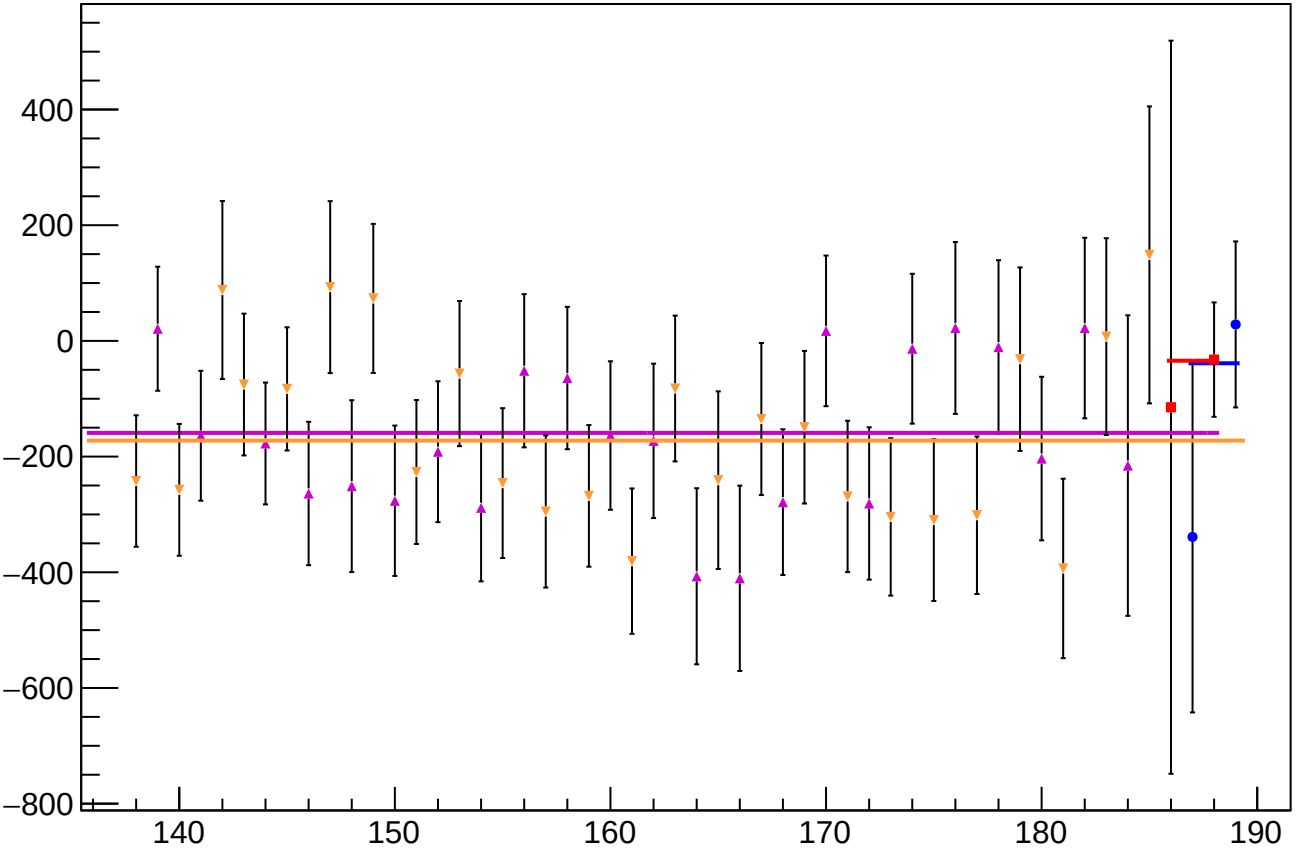
Right: 3162.949+/-1.734 $\chi^2$/NDF: 321269.1/3

In: 1119.257+/-0.189 $\chi^2$/NDF:1154400.4/24

Out: 1124.205+/-0.185 $\chi^2$/NDF:2046100.6/26

All: 1121.781+/-0.132 $\chi^2$/NDF: 3200851.5/51

# dit_asym_sam_15_dd_mean vs Slug, Sign Corrected




Right In: -38.675+/-129.729 $\chi^2$/NDF: 1.2/1

Left Out: -172.357+/-26.709 $\chi^2$/NDF:27.2/24

Right Out: -34.289+/-97.688 $\chi^2$/NDF: 0.0/1

Left In: -159.044+/-27.608 $\chi^2$/NDF:21.1/22

Left: -165.921+/-19.196 $\chi^2$/NDF: 48.4/47

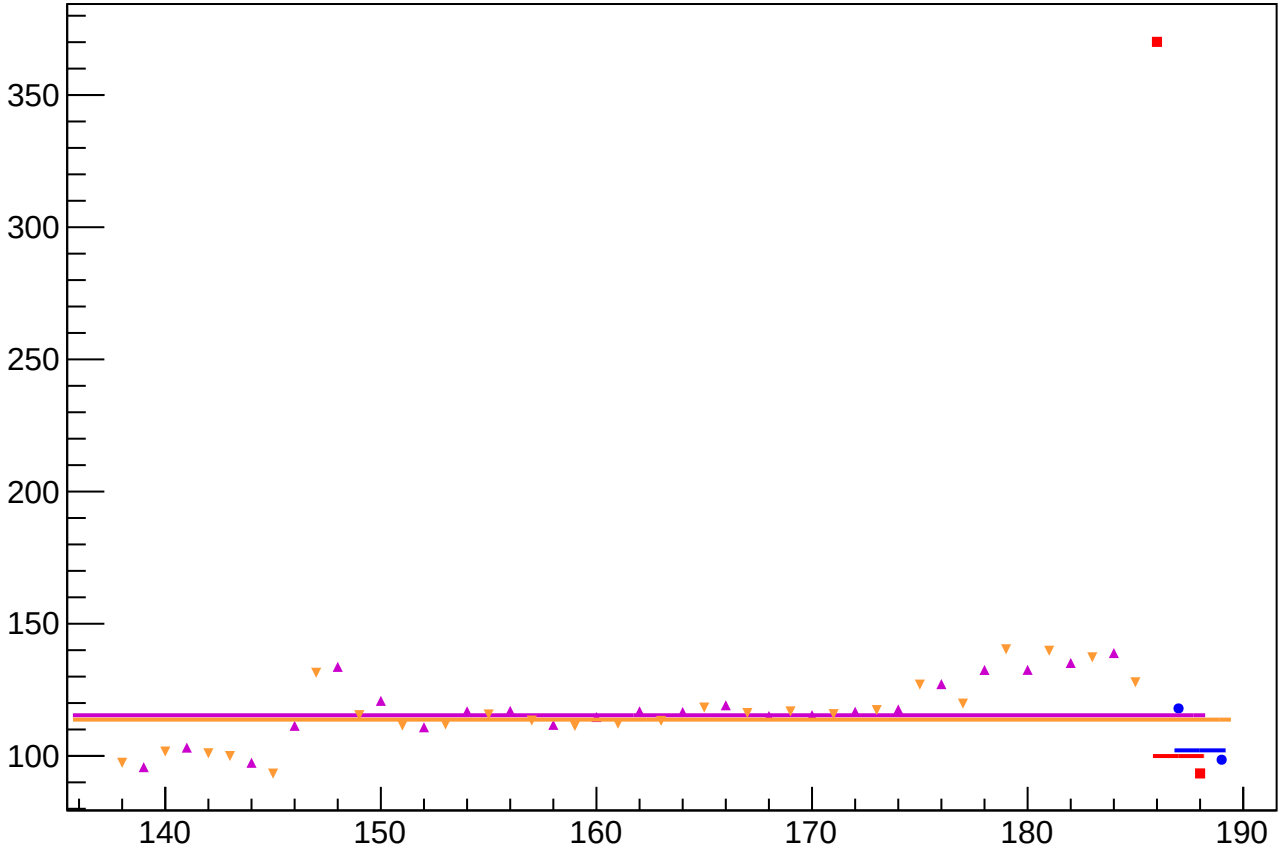
Right: -35.876+/-78.037 $\chi^2$/NDF: 1.2/3

In: -153.829+/-27.003 $\chi^2$/NDF:23.1/24

Out: -162.753+/-25.764 $\chi^2$/NDF:29.1/26

All: -158.501+/-18.640 $\chi^2$/NDF: 52.2/51

# dit_asym_sam_15_dd_rms vs Slug, Sign Corrected




Right In: 102.104+/-0.092 $\chi^2$/NDF: 6685.3/1

Left Out: 113.727+/-0.019 $\chi^2$/NDF:392153.8/24

Right Out: 99.948+/-0.069 $\chi^2$/NDF: 372374.6/1

Left In: 115.377+/-0.020 $\chi^2$/NDF:309034.7/22

Left: 114.525+/-0.014 $\chi^2$/NDF: 704876.2/47

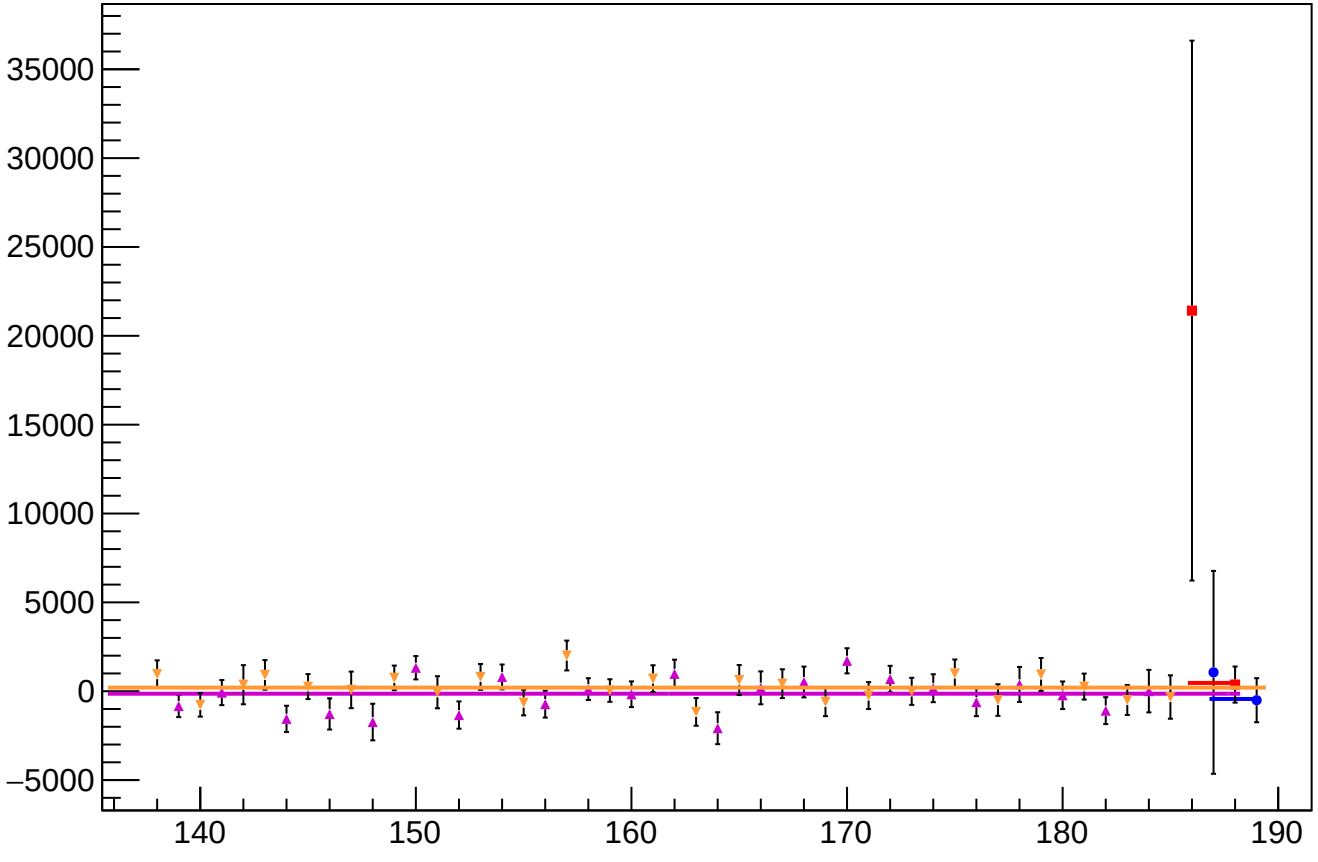
Right: 100.728+/-0.055 $\chi^2$/NDF: 379412.2/3

In: 114.802+/-0.019 $\chi^2$/NDF:335748.3/24

Out: 112.769+/-0.018 $\chi^2$/NDF:801551.3/26

All: 113.737+/-0.013 $\chi^2$/NDF: 1143232.8/51

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected




Right In: -435.442+/-1211.347 $\chi^2$/NDF: 0.1/1

Left Out: 202.466+/-159.030 $\chi^2$/NDF:19.8/24

Right Out: 467.204+/-1014.594 $\chi^2$/NDF: 1.9/1

Left In: -140.039+/-161.024 $\chi^2$/NDF:36.9/22

Left: 33.348+/-113.149 $\chi^2$/NDF: 58.9/47

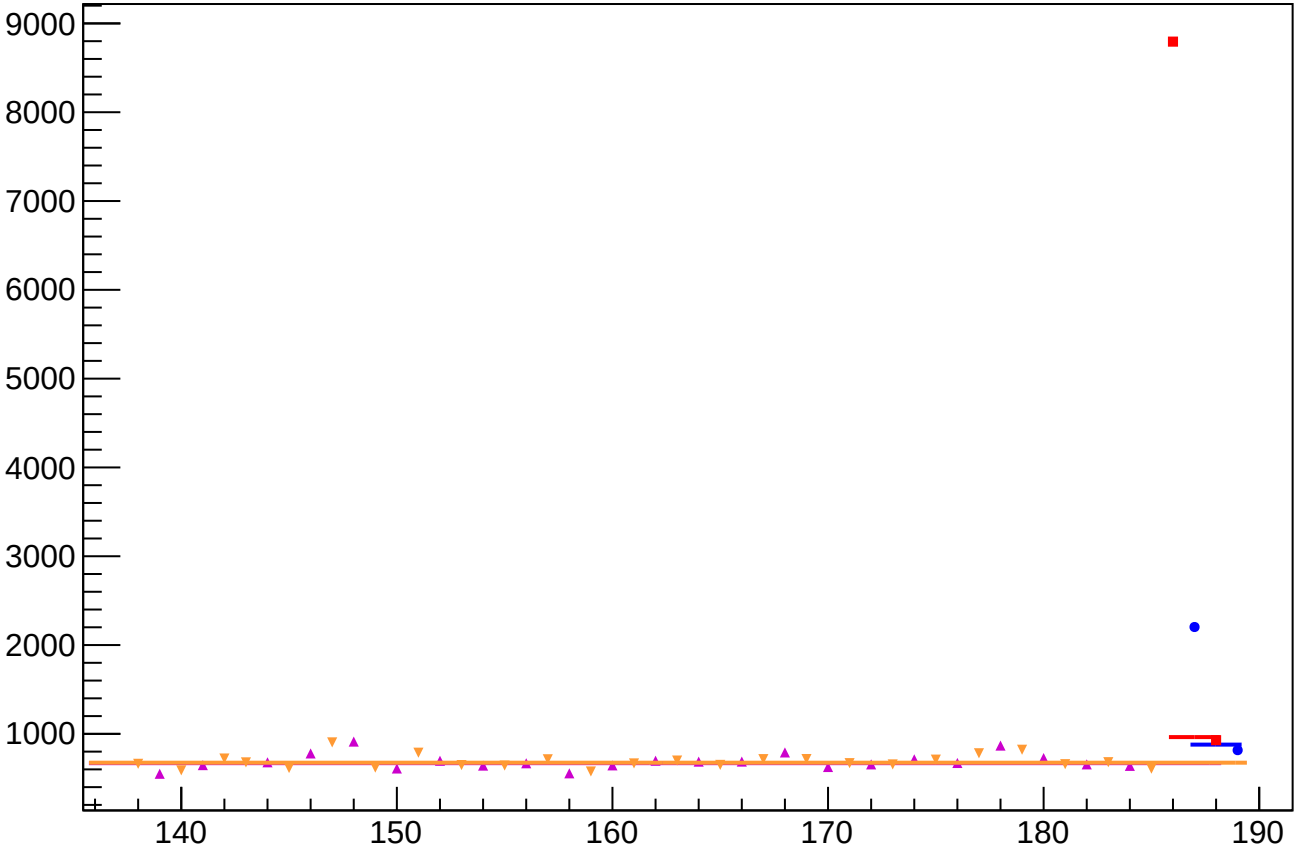
Right: 95.049+/-777.808 $\chi^2$/NDF: 2.3/3

In: -145.168+/-159.620 $\chi^2$/NDF:37.0/24

Out: 208.814+/-157.112 $\chi^2$/NDF:21.7/26

All: 34.626+/-111.971 $\chi^2$/NDF: 61.3/51

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected




Right In: 878.848+/-0.857 $\chi^2$/NDF: 112685.6/1

Left Out: 675.335+/-0.112 $\chi^2$/NDF:358713.6/24

Right Out: 963.576+/-0.717 $\chi^2$/NDF: 533874.5/1

Left In: 669.938+/-0.114 $\chi^2$/NDF:464085.7/22

Left: 672.670+/-0.080 $\chi^2$/NDF: 823936.7/47

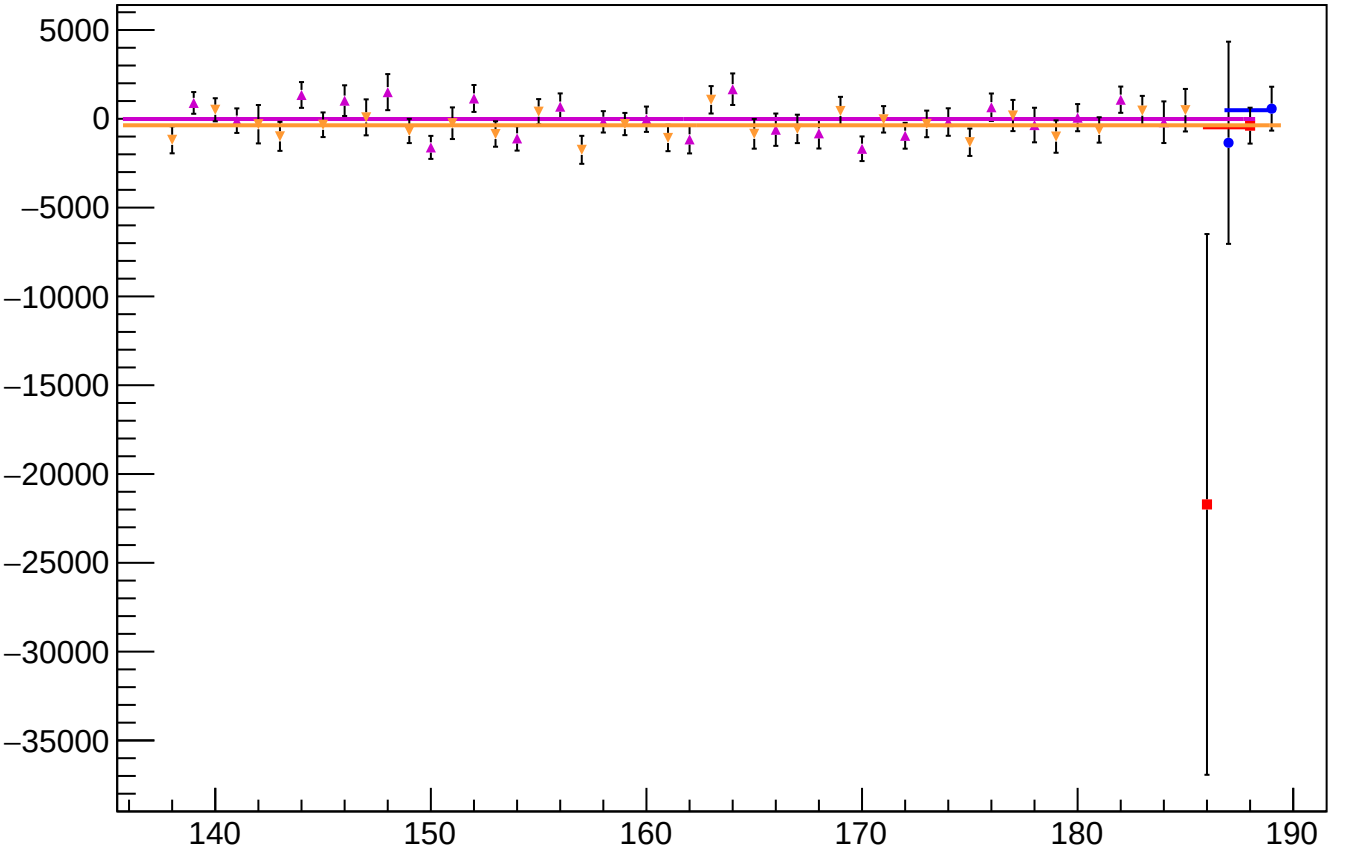
Right: 928.643+/-0.550 $\chi^2$/NDF: 652310.6/3

In: 673.565+/-0.113 $\chi^2$/NDF:635224.3/24

Out: 682.246+/-0.111 $\chi^2$/NDF:1050137.7/26

All: 677.974+/-0.079 $\chi^2$/NDF: 1688366.9/51

# asym_sam_15_dd_mean vs Slug, Sign Corrected




Right In: 483.710+/-1207.161 $\chi^2$/NDF: 0.1/1

Left Out: -365.394+/-156.301 $\chi^2$/NDF:18.7/24

Right Out: -479.189+/-1008.351 $\chi^2$/NDF: 2.0/1

Left In: -11.243+/-158.497 $\chi^2$/NDF:38.8/22

Left: -190.789+/-111.290 $\chi^2$/NDF: 60.1/47

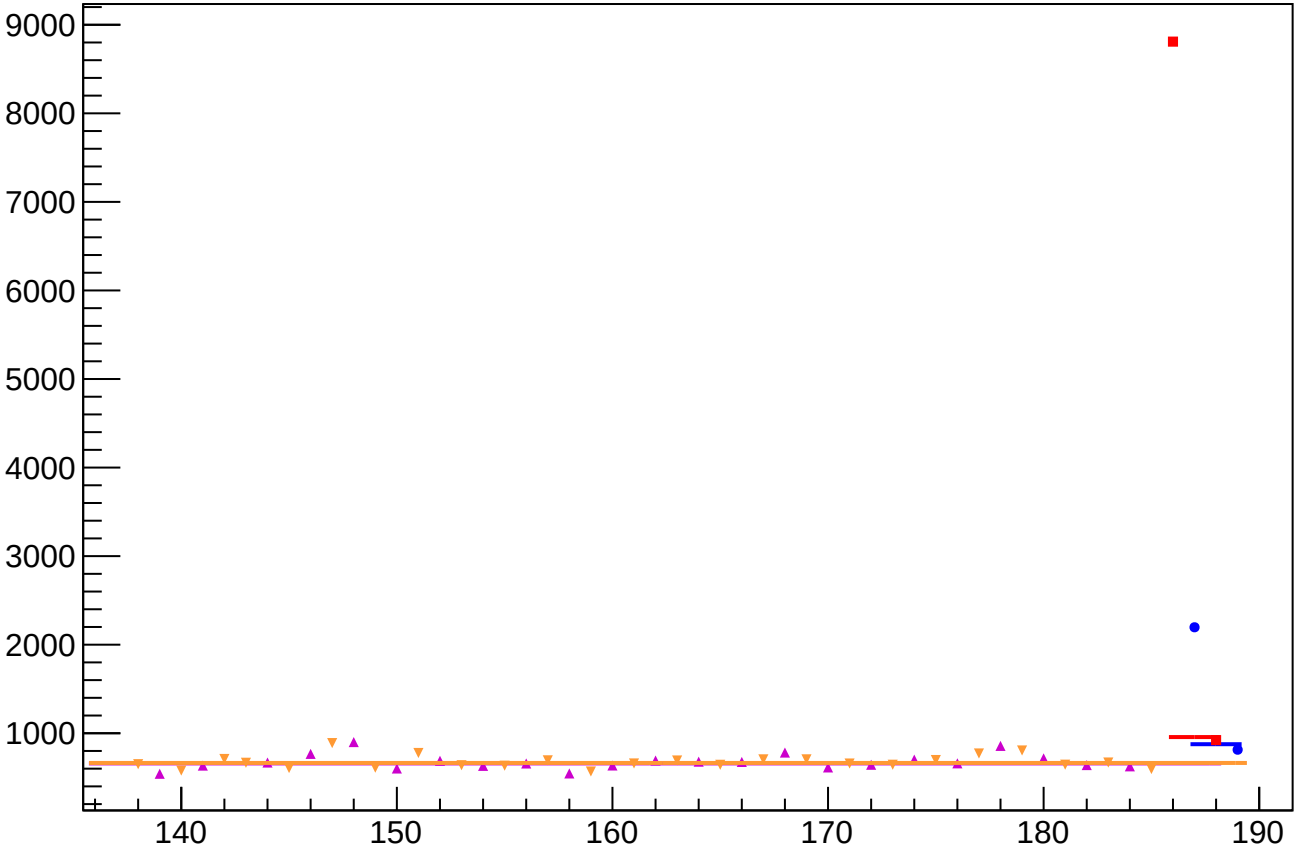
Right: -83.456+/-773.885 $\chi^2$/NDF: 2.4/3

In: -2.855+/-157.148 $\chi^2$/NDF:39.1/24

Out: -368.064+/-154.456 $\chi^2$/NDF:20.7/26

All: -188.614+/-110.157 $\chi^2$/NDF: 62.5/51

# asym_sam_15_dd_rms vs Slug, Sign Corrected




Right In: 876.288+/-0.854 $\chi^2$/NDF: 112659.5/1

Left Out: 664.618+/-0.111 $\chi^2$/NDF:356964.3/24

Right Out: 956.831+/-0.713 $\chi^2$/NDF: 534527.9/1

Left In: 659.230+/-0.112 $\chi^2$/NDF:472744.9/22

Left: 661.962+/-0.079 $\chi^2$/NDF: 830881.0/47

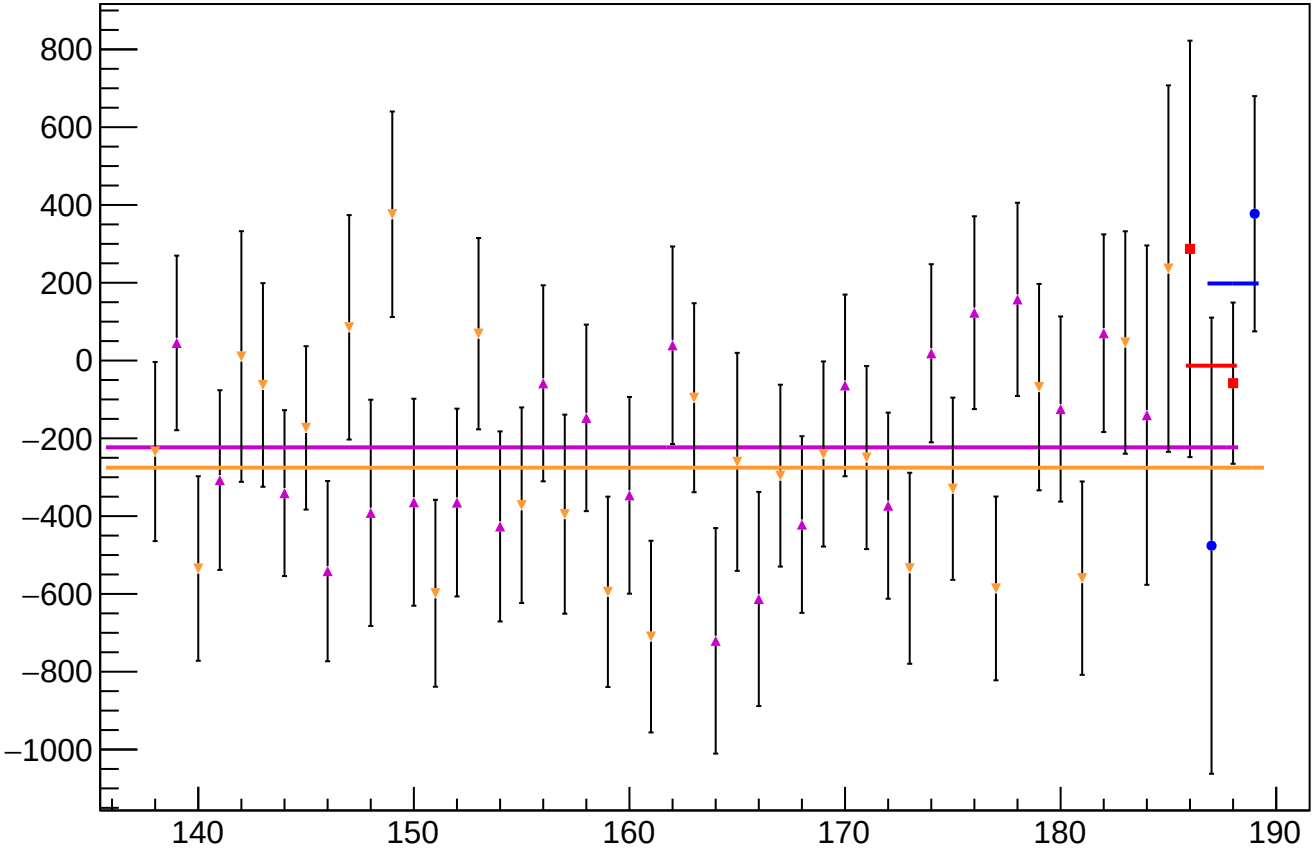
Right: 923.729+/-0.547 $\chi^2$/NDF: 652431.6/3

In: 662.908+/-0.111 $\chi^2$/NDF:648970.7/24

Out: 671.474+/-0.109 $\chi^2$/NDF:1055510.5/26

All: 667.265+/-0.078 $\chi^2$/NDF: 1707503.8/51

# dit_asym_sam_26_dd_mean vs Slug, Sign Corrected




Right In: 198.122+/-268.811 $\chi^2$/NDF: 1.7/1

Left Out: -275.447+/-50.539 $\chi^2$/NDF:27.3/24

Right Out: -13.179+/-193.270 $\chi^2$/NDF: 0.4/1

Left In: -223.195+/-51.742 $\chi^2$/NDF:20.8/22

Left: -249.935+/-36.154 $\chi^2$/NDF: 48.6/47

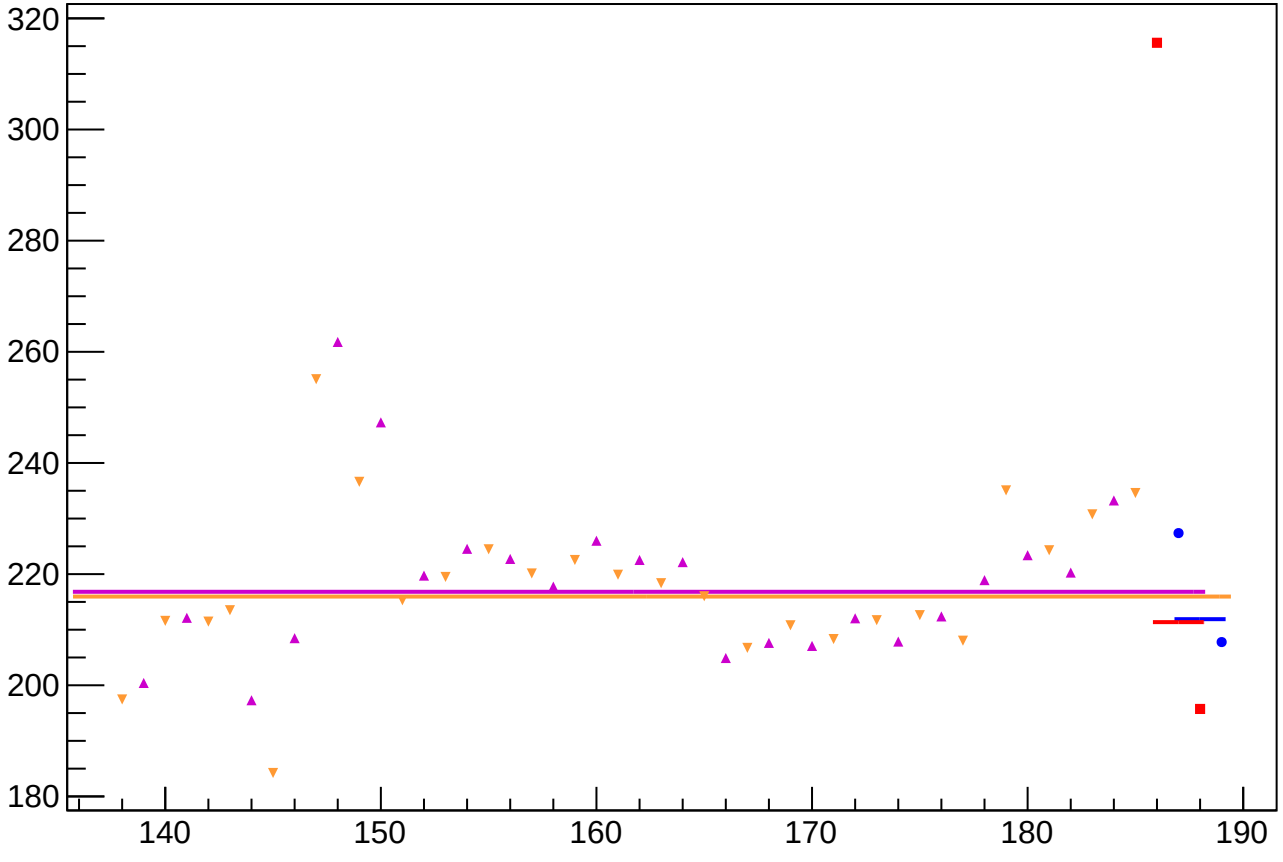
Right: 58.827+/-156.921 $\chi^2$/NDF: 2.4/3

In: -208.143+/-50.809 $\chi^2$/NDF:24.8/24

Out: -258.661+/-48.895 $\chi^2$/NDF:29.4/26

All: -234.371+/-35.231 $\chi^2$/NDF: 54.7/51

# dit_asym_sam_26_dd_rms vs Slug, Sign Corrected




Right In: 211.895+/-0.190 $\chi^2$/NDF: 1766.1/1

Left Out: 215.963+/-0.036 $\chi^2$/NDF:144735.1/24

Right Out: 211.363+/-0.137 $\chi^2$/NDF: 87200.6/1

Left In: 216.821+/-0.037 $\chi^2$/NDF:132518.8/22

Left: 216.382+/-0.026 $\chi^2$/NDF: 277535.4/47

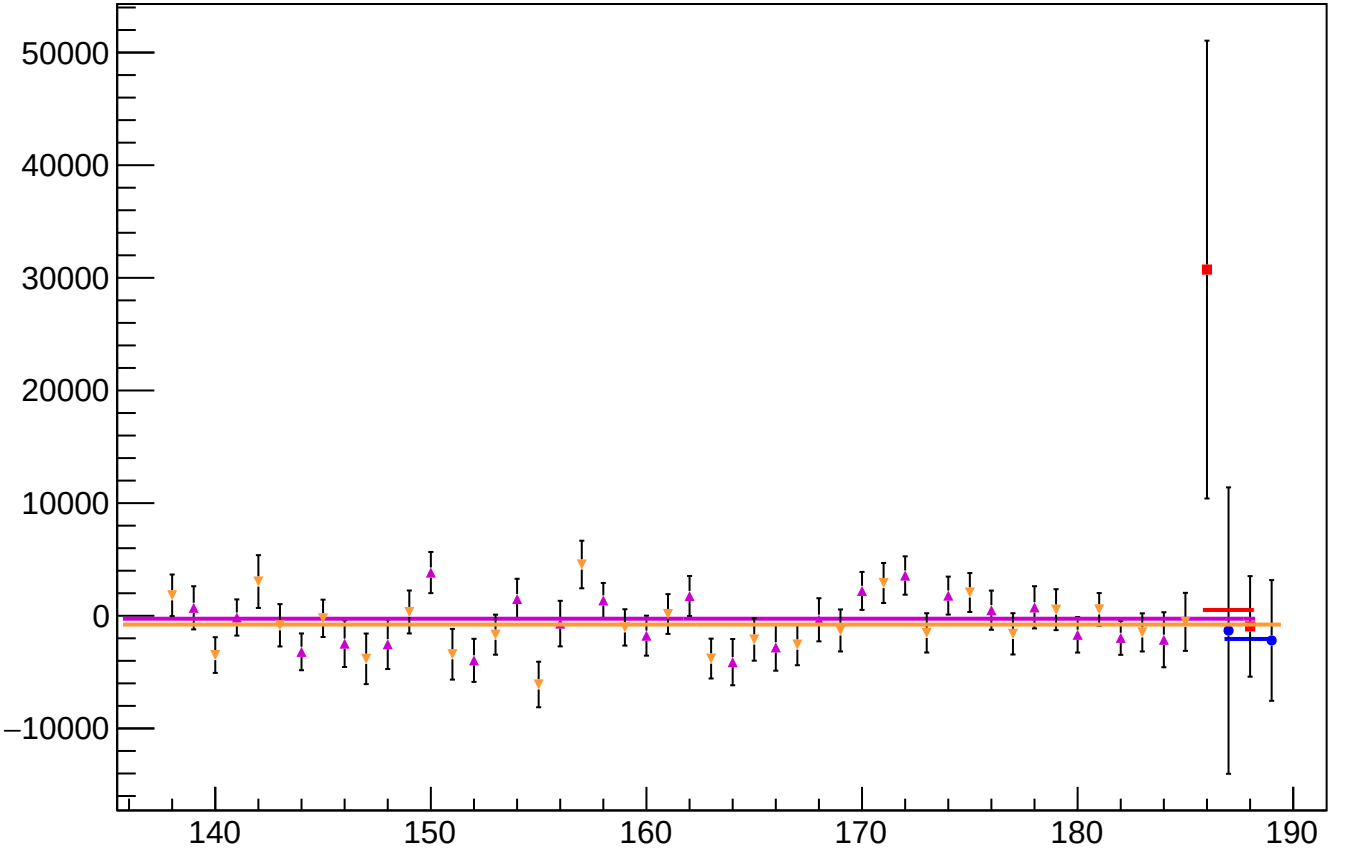
Right: 211.544+/-0.111 $\chi^2$/NDF: 88971.8/3

In: 216.645+/-0.036 $\chi^2$/NDF:134932.6/24

Out: 215.669+/-0.035 $\chi^2$/NDF:232996.3/26

All: 216.138+/-0.025 $\chi^2$/NDF: 368312.4/51

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected




Right In: -2057.668+/-4938.737 $\chi^2$/NDF: 0.0/1

Left Out: -779.146+/-366.965 $\chi^2$/NDF:38.5/24

Right Out: 515.537+/-4361.139 $\chi^2$/NDF: 2.3/1

Left In: -261.815+/-376.203 $\chi^2$/NDF:35.4/22

Left: -526.910+/-262.688 $\chi^2$/NDF: 74.9/47

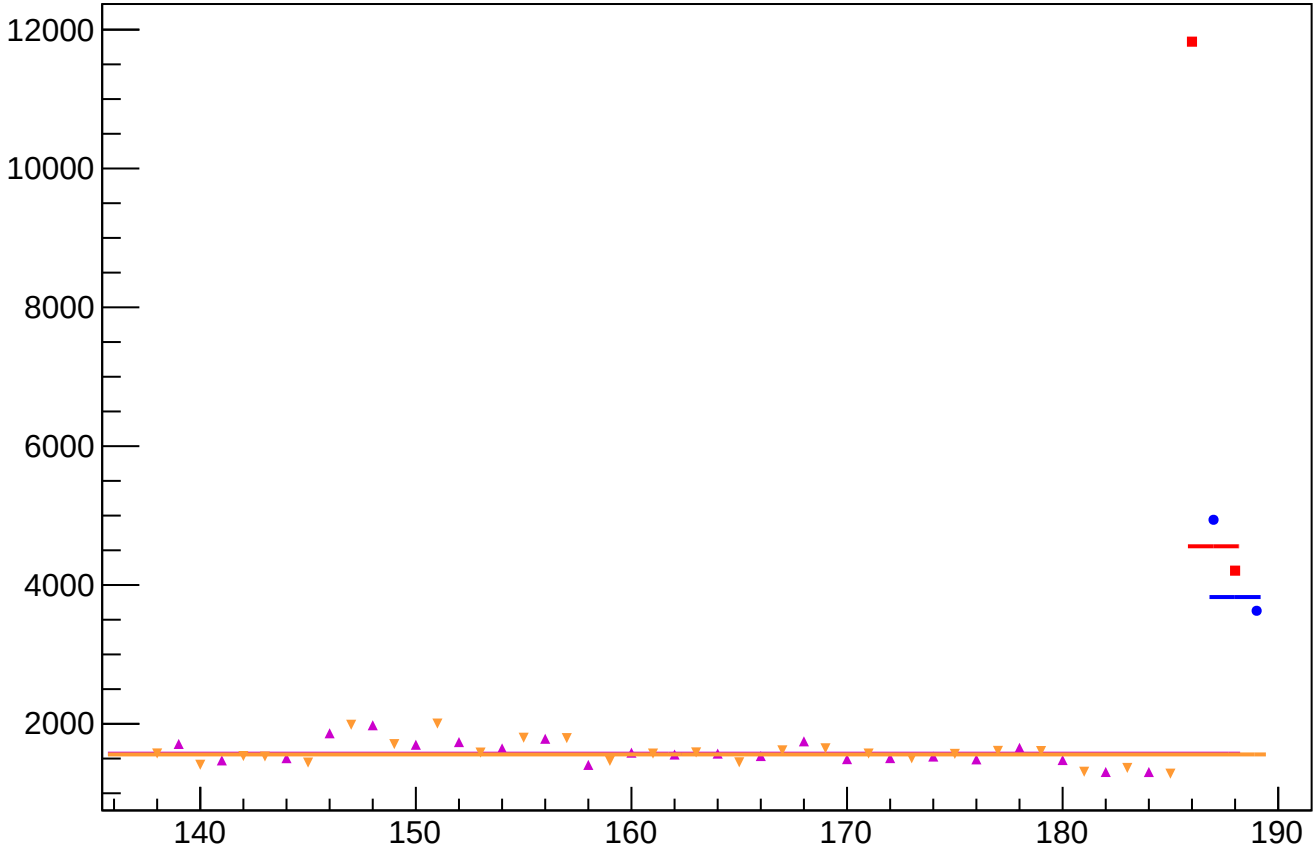
Right: -611.862+/-3269.021 $\chi^2$/NDF: 2.5/3

In: -272.175+/-375.116 $\chi^2$/NDF:35.6/24

Out: -770.044+/-365.673 $\chi^2$/NDF:40.9/26

All: -527.455+/-261.844 $\chi^2$/NDF: 77.4/51

# asym_sam_26_dd_correction_rms vs Slug, Sign Corrected




Right In: 3826.530+/-3.492 $\chi^2$/NDF: 18050.9/1

Left Out: 1559.504+/-0.259 $\chi^2$/NDF:379160.1/24

Right Out: 4557.720+/-3.084 $\chi^2$/NDF: 268288.2/1

Left In: 1570.331+/-0.266 $\chi^2$/NDF:329434.5/22

Left: 1564.783+/-0.186 $\chi^2$/NDF: 709443.3/47

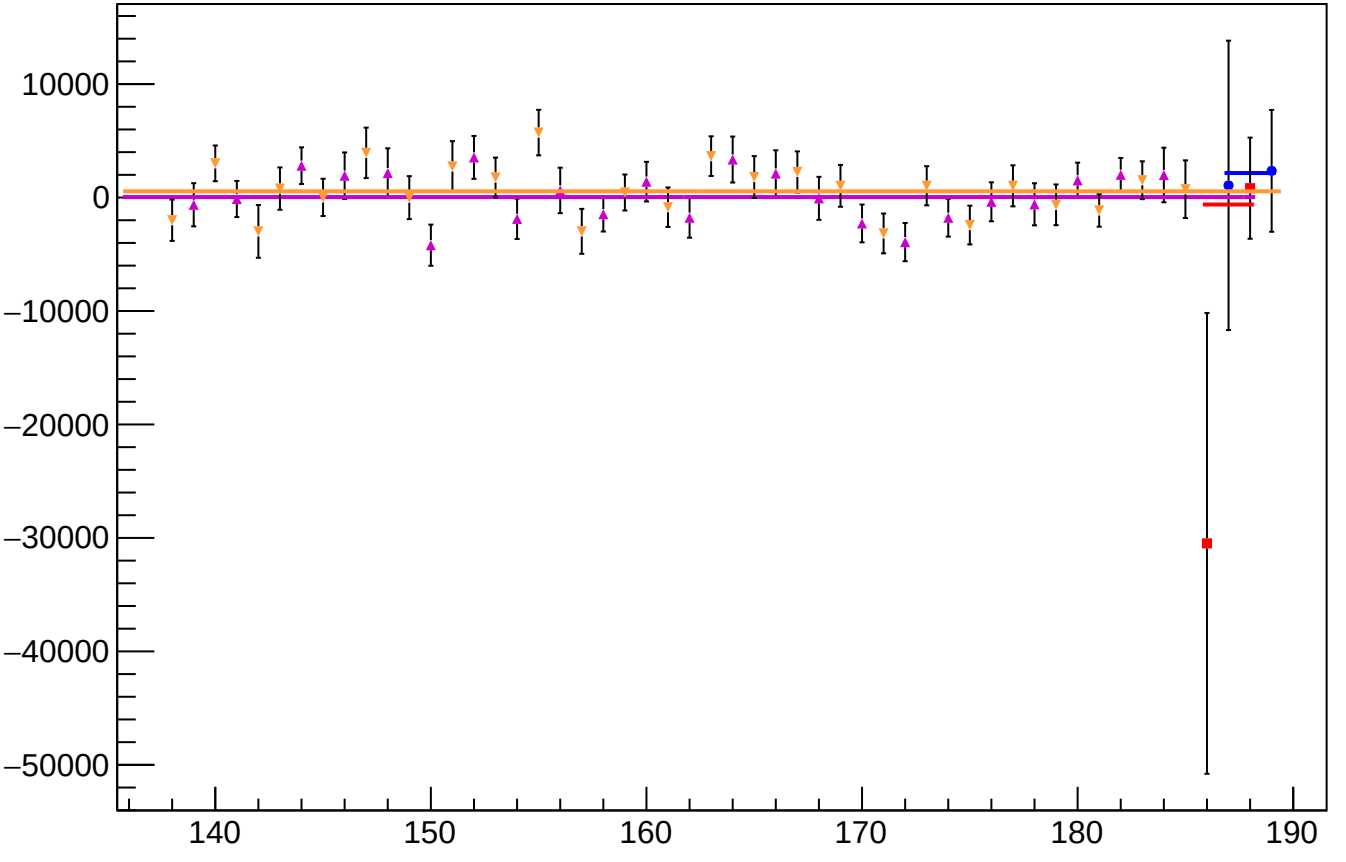
Right: 4237.363+/-2.312 $\chi^2$/NDF: 310970.7/3

In: 1583.347+/-0.265 $\chi^2$/NDF:762478.1/24

Out: 1580.583+/-0.259 $\chi^2$/NDF:1586072.5/26

All: 1581.930+/-0.185 $\chi^2$/NDF: 2348606.2/51

# asym_sam_26_dd_mean vs Slug, Sign Corrected




Right In: 2159.443+/-4946.996 $\chi^2$/NDF: 0.0/1

Left Out: 550.093+/-362.172 $\chi^2$/NDF:35.6/24

Right Out: -614.205+/-4353.604 $\chi^2$/NDF: 2.3/1

Left In: 43.949+/-371.765 $\chi^2$/NDF:33.5/22

Left: 303.636+/-259.420 $\chi^2$/NDF: 70.0/47

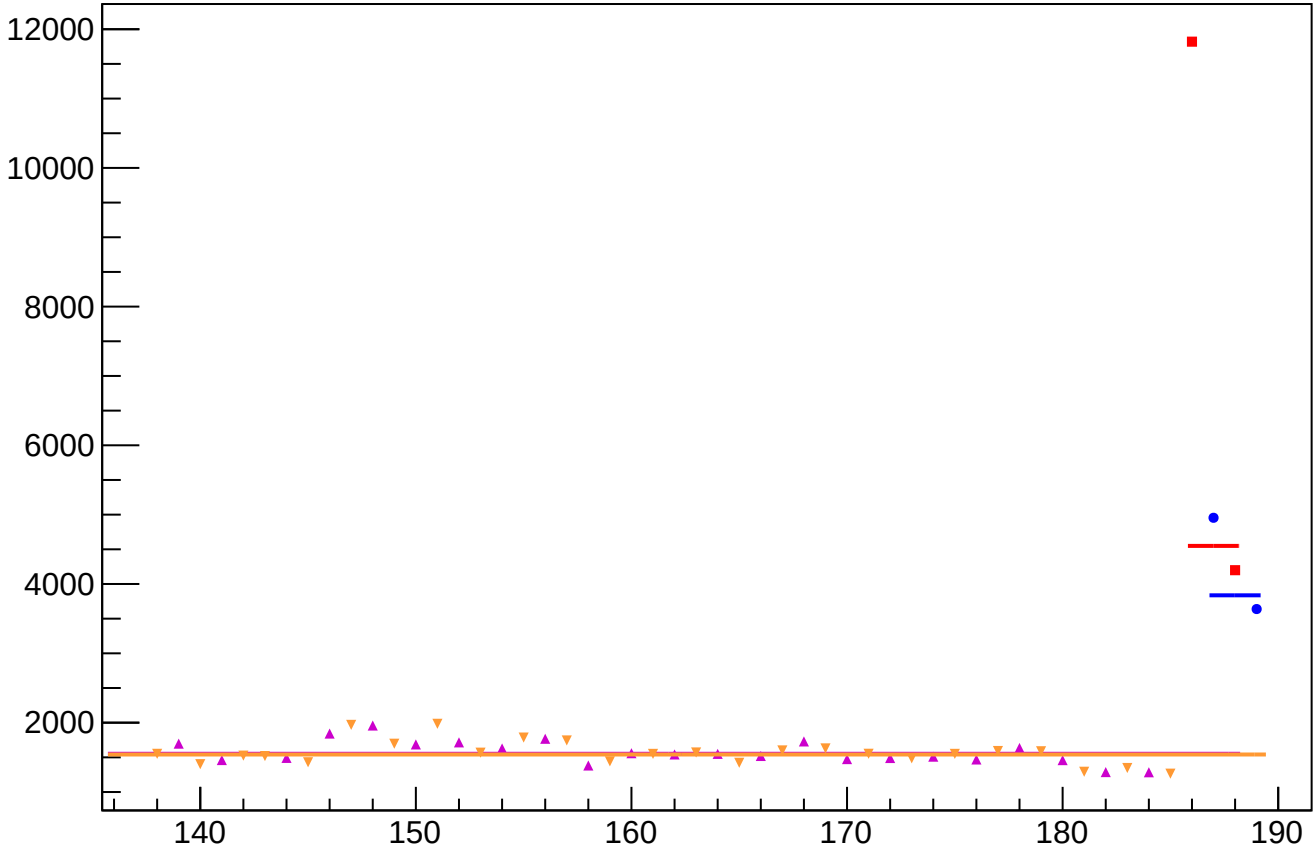
Right: 596.373+/-3268.228 $\chi^2$/NDF: 2.5/3

In: 55.829+/-370.720 $\chi^2$/NDF:33.7/24

Out: 542.091+/-360.925 $\chi^2$/NDF:37.9/26

All: 305.469+/-258.606 $\chi^2$/NDF: 72.5/51

# asym_sam_26_dd_rms vs Slug, Sign Corrected




Right In: 3836.628+/-3.498 $\chi^2$/NDF: 18089.9/1

Left Out: 1541.149+/-0.256 $\chi^2$/NDF:382077.8/24

Right Out: 4549.185+/-3.078 $\chi^2$/NDF: 268759.5/1

Left In: 1551.481+/-0.263 $\chi^2$/NDF:339002.9/22

Left: 1546.180+/-0.183 $\chi^2$/NDF: 721873.3/47

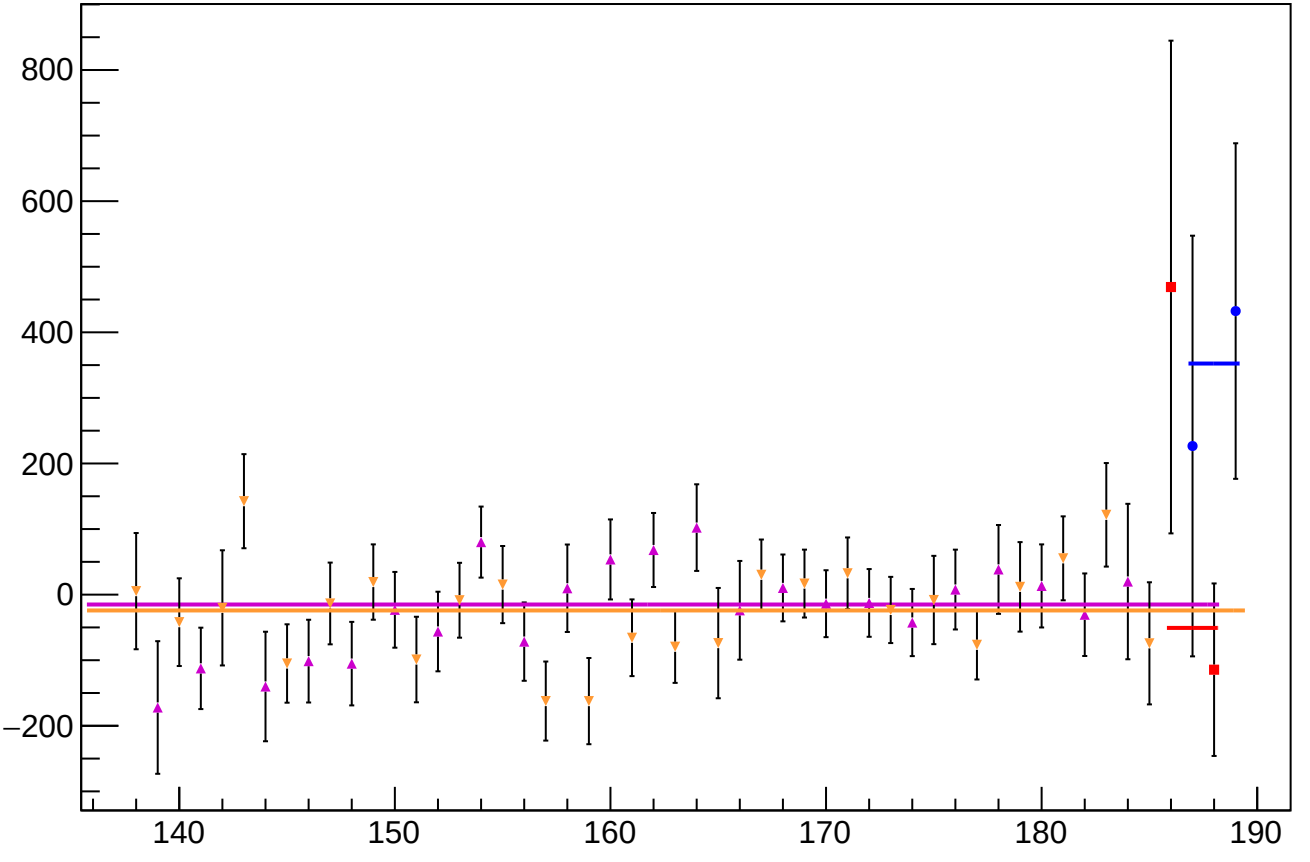
Right: 4238.184+/-2.311 $\chi^2$/NDF: 310233.1/3

In: 1564.314+/-0.262 $\chi^2$/NDF:781447.9/24

Out: 1561.822+/-0.255 $\chi^2$/NDF:1599044.4/26

All: 1563.035+/-0.183 $\chi^2$/NDF: 2380538.6/51

# dit_asym_sam_37_dd_mean vs Slug, Sign Corrected




Right In: 352.392+/-200.009 $\chi^2$/NDF: 0.3/1

Left Out: -24.126+/-12.525 $\chi^2$/NDF:30.7/24

Right Out: -50.743+/-124.142 $\chi^2$/NDF: 2.1/1

Left In: -15.058+/-12.921 $\chi^2$/NDF:23.8/22

Left: -19.733+/-8.993 $\chi^2$/NDF: 54.8/47

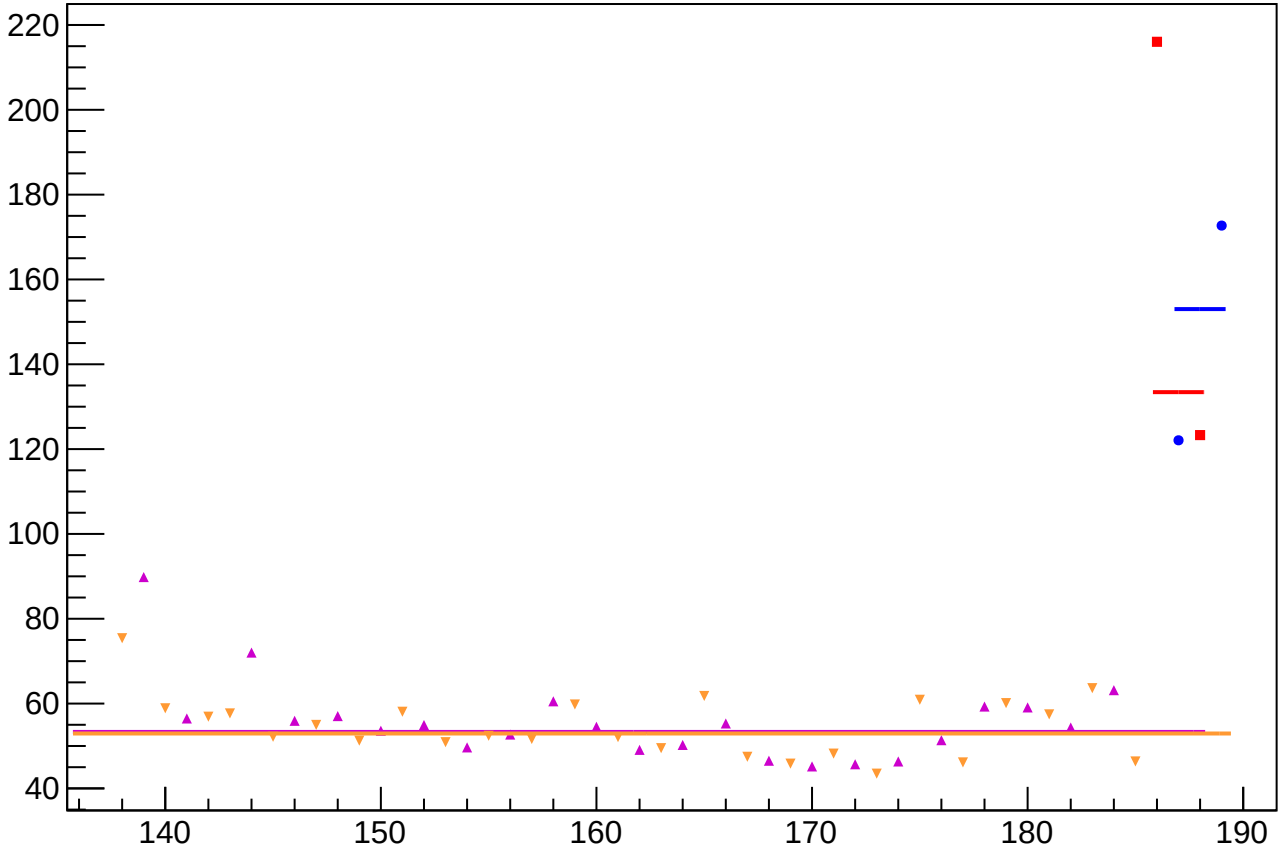
Right: 61.372+/-105.477 $\chi^2$/NDF: 5.3/3

In: -13.531+/-12.894 $\chi^2$/NDF:27.5/24

Out: -24.394+/-12.462 $\chi^2$/NDF:32.9/26

All: -19.148+/-8.961 $\chi^2$/NDF: 60.7/51

# dit_asym_sam_37_dd_rms vs Slug, Sign Corrected




Right In: 153.013+/-0.141 $\chi^2$/NDF: 30451.8/1

Left Out: 52.942+/-0.009 $\chi^2$/NDF:513146.0/24

Right Out: 133.430+/-0.088 $\chi^2$/NDF: 108559.4/1

Left In: 53.312+/-0.009 $\chi^2$/NDF:644220.1/22

Left: 53.121+/-0.006 $\chi^2$/NDF: 1158211.4/47

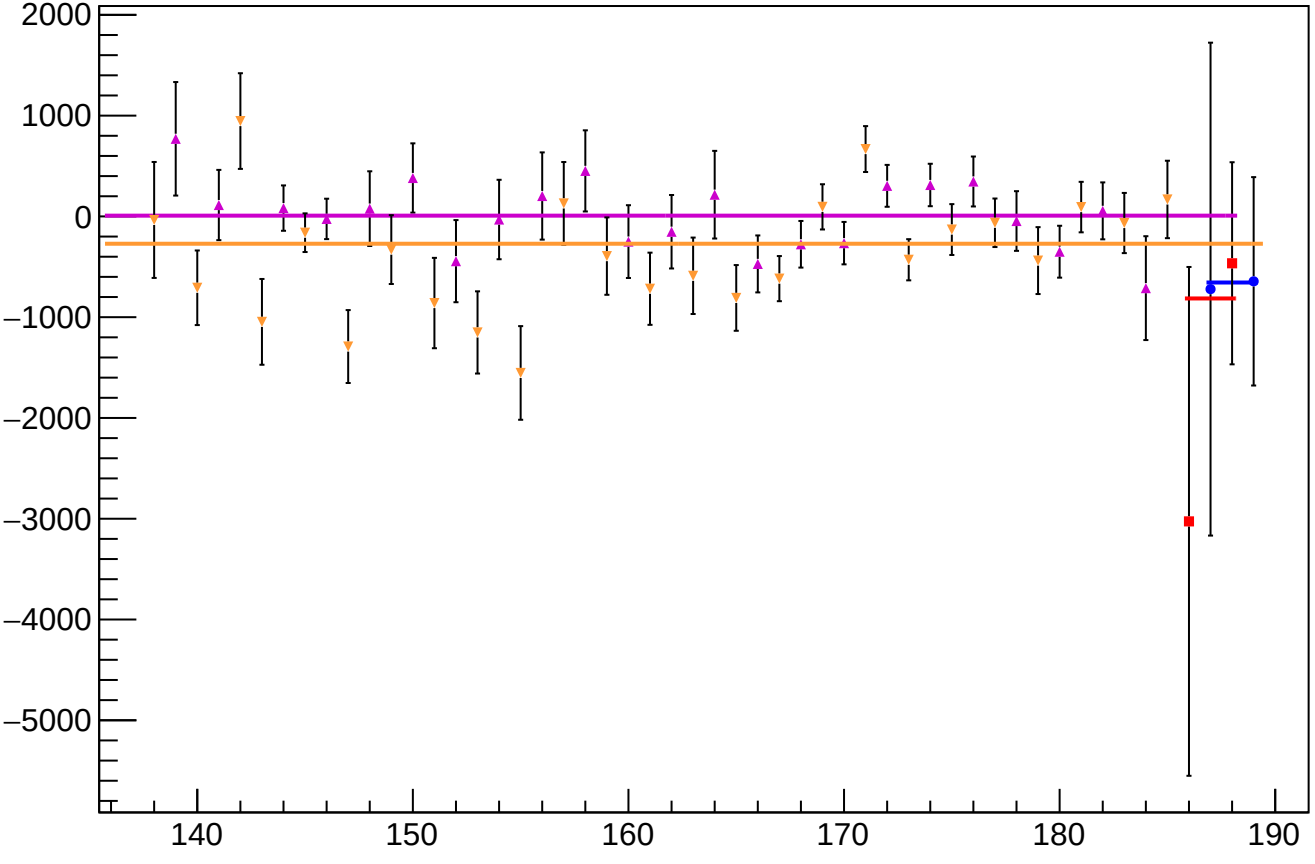
Right: 138.876+/-0.075 $\chi^2$/NDF: 152852.9/3

In: 53.726+/-0.009 $\chi^2$/NDF:1169578.4/24

Out: 53.753+/-0.009 $\chi^2$/NDF:1453946.7/26

All: 53.740+/-0.006 $\chi^2$/NDF: 2623529.6/51

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected




Right In: -655.891+/-952.310 $\chi^2$/NDF: 0.0/1

Left Out: -271.240+/-60.285 $\chi^2$/NDF:67.7/24

Right Out: -814.172+/-931.920 $\chi^2$/NDF: 0.9/1

Left In: 7.535+/-60.328 $\chi^2$/NDF:22.9/22

Left: -131.952+/-42.643 $\chi^2$/NDF: 101.2/47

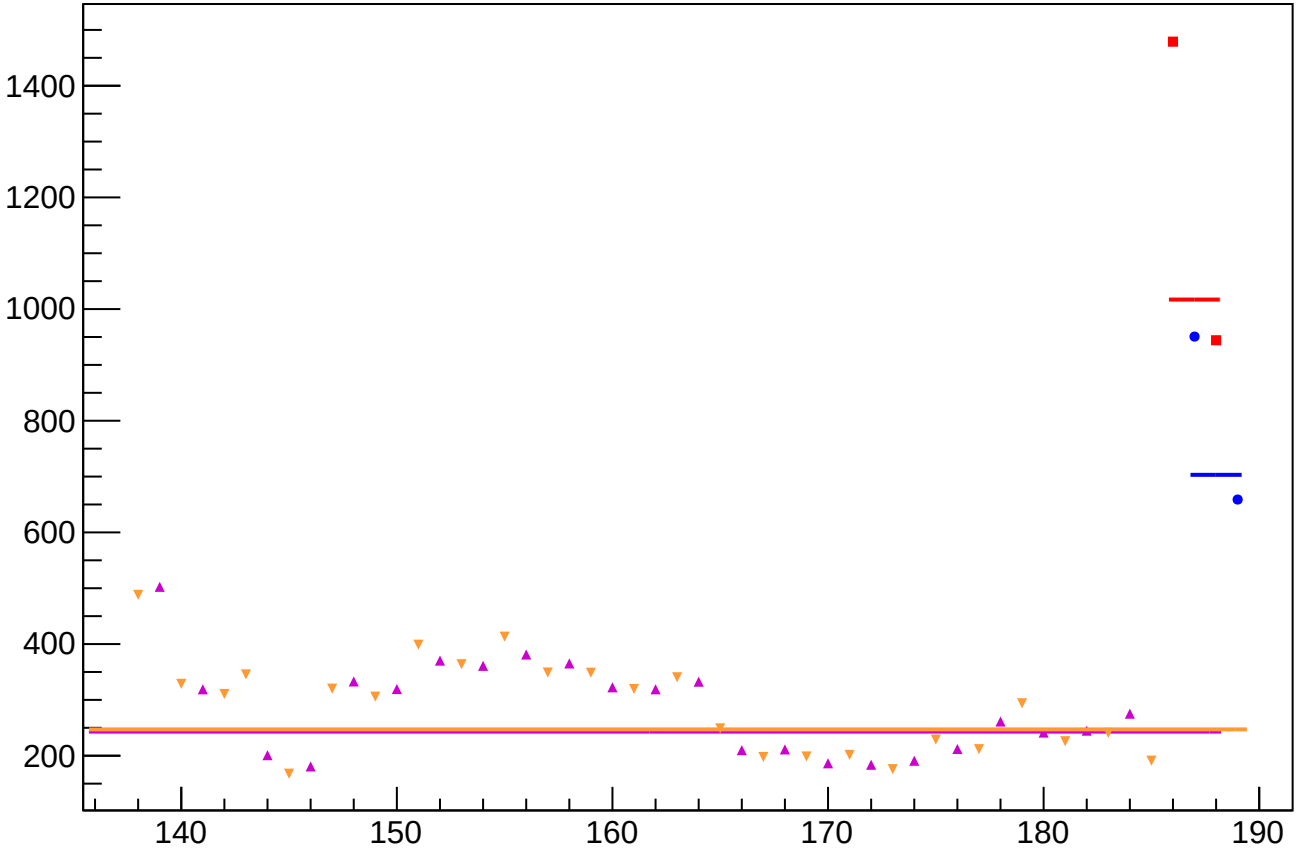
Right: -736.744+/-666.059 $\chi^2$/NDF: 0.9/3

In: 4.883+/-60.207 $\chi^2$/NDF:23.3/24

Out: -273.503+/-60.159 $\chi^2$/NDF:68.9/26

All: -134.421+/-42.556 $\chi^2$/NDF: 102.9/51

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected




Right In: 703.108+/-0.673 $\chi^2$/NDF: 24167.6/1

Left Out: 247.166+/-0.043 $\chi^2$/NDF:2853302.0/24

Right Out: 1017.028+/-0.659 $\chi^2$/NDF: 77521.8/1

Left In: 243.189+/-0.043 $\chi^2$/NDF:2571190.8/22

Left: 245.179+/-0.030 $\chi^2$/NDF: 5428841.5/47

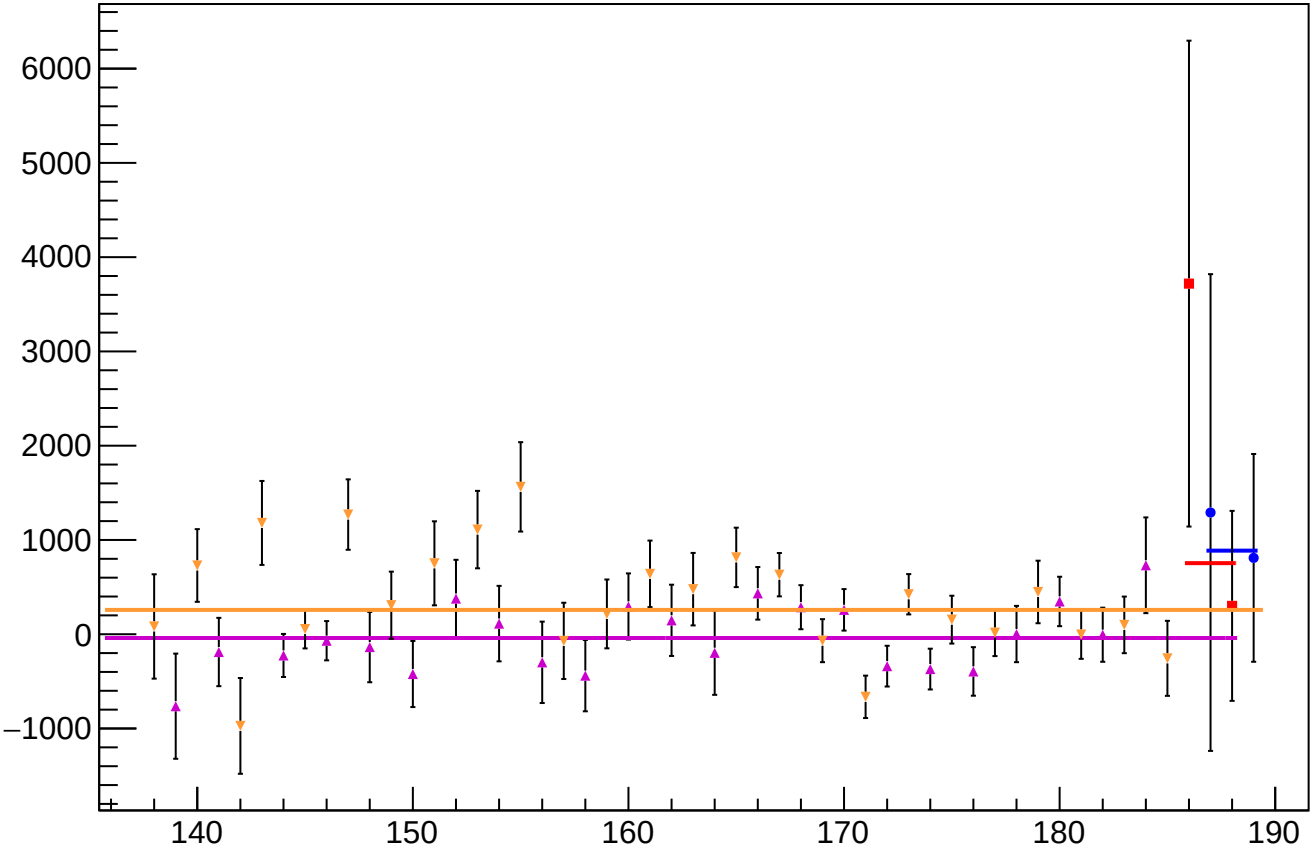
Right: 863.465+/-0.471 $\chi^2$/NDF: 212703.3/3

In: 245.027+/-0.043 $\chi^2$/NDF:3059978.2/24

Out: 250.374+/-0.043 $\chi^2$/NDF:4290028.8/26

All: 247.703+/-0.030 $\chi^2$/NDF: 7357899.8/51

# asym_sam_37_dd_mean vs Slug, Sign Corrected




Right In: 886.689+/-1010.251 $\chi^2$/NDF: 0.0/1

Left Out: 258.044+/-61.488 $\chi^2$/NDF:65.0/24

Right Out: 754.177+/-938.501 $\chi^2$/NDF: 1.5/1

Left In: -40.015+/-61.495 $\chi^2$/NDF:25.0/22

Left: 109.033+/-43.481 $\chi^2$/NDF: 101.8/47

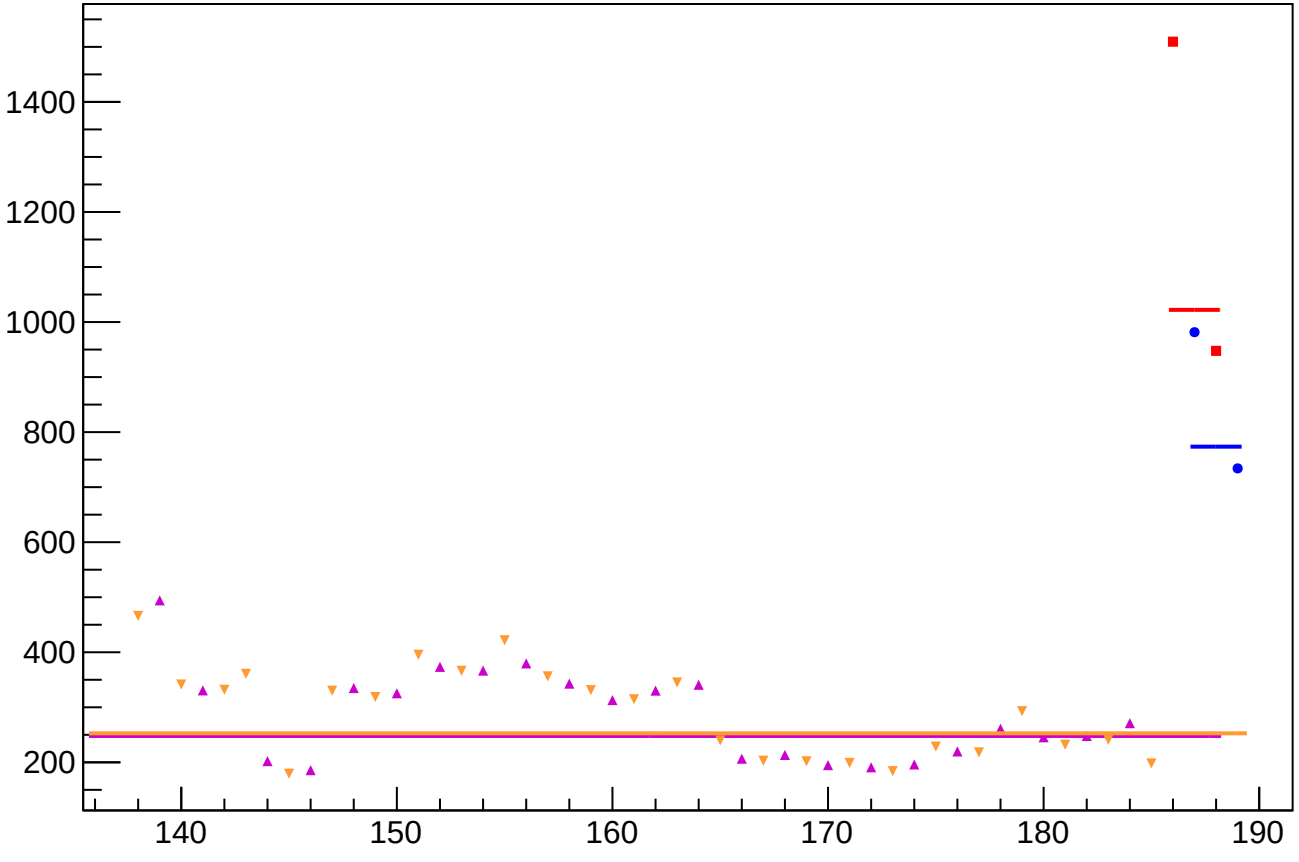
Right: 815.561+/-687.588 $\chi^2$/NDF: 1.6/3

In: -36.594+/-61.382 $\chi^2$/NDF:25.9/24

Out: 260.164+/-61.356 $\chi^2$/NDF:66.8/26

All: 111.847+/-43.394 $\chi^2$/NDF: 104.4/51

# asym_sam_37_dd_rms vs Slug, Sign Corrected




Right In: 773.595+/-0.714 $\chi^2$/NDF: 16103.5/1

Left Out: 252.721+/-0.043 $\chi^2$/NDF:2648800.3/24

Right Out: 1022.157+/-0.664 $\chi^2$/NDF: 82438.9/1

Left In: 247.919+/-0.043 $\chi^2$/NDF:2374698.8/22

Left: 250.320+/-0.031 $\chi^2$/NDF: 5029597.8/47

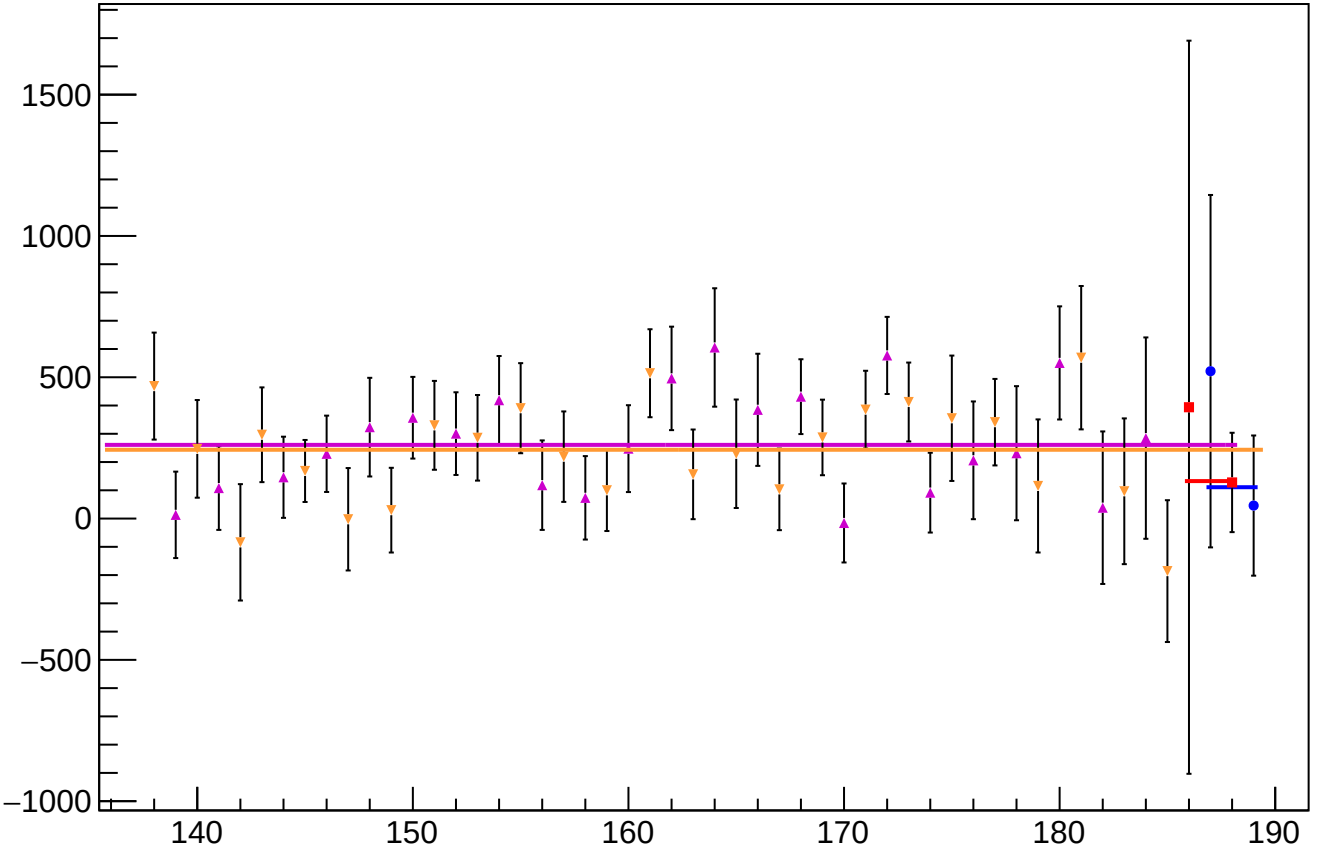
Right: 907.015+/-0.486 $\chi^2$/NDF: 163529.8/3

In: 249.859+/-0.043 $\chi^2$/NDF:2930315.8/24

Out: 256.009+/-0.043 $\chi^2$/NDF:4069823.8/26

All: 252.936+/-0.031 $\chi^2$/NDF: 7010183.0/51

# dit_asym_sam_48_dd_mean vs Slug, Sign Corrected




Right In: 110.914+/-230.447 $\chi^2$/NDF: 0.5/1

Left Out: 243.442+/-32.738 $\chi^2$/NDF:23.4/24

Right Out: 132.580+/-174.192 $\chi^2$/NDF: 0.0/1

Left In: 260.749+/-33.988 $\chi^2$/NDF:28.5/22

Left: 251.772+/-23.579 $\chi^2$/NDF: 52.0/47

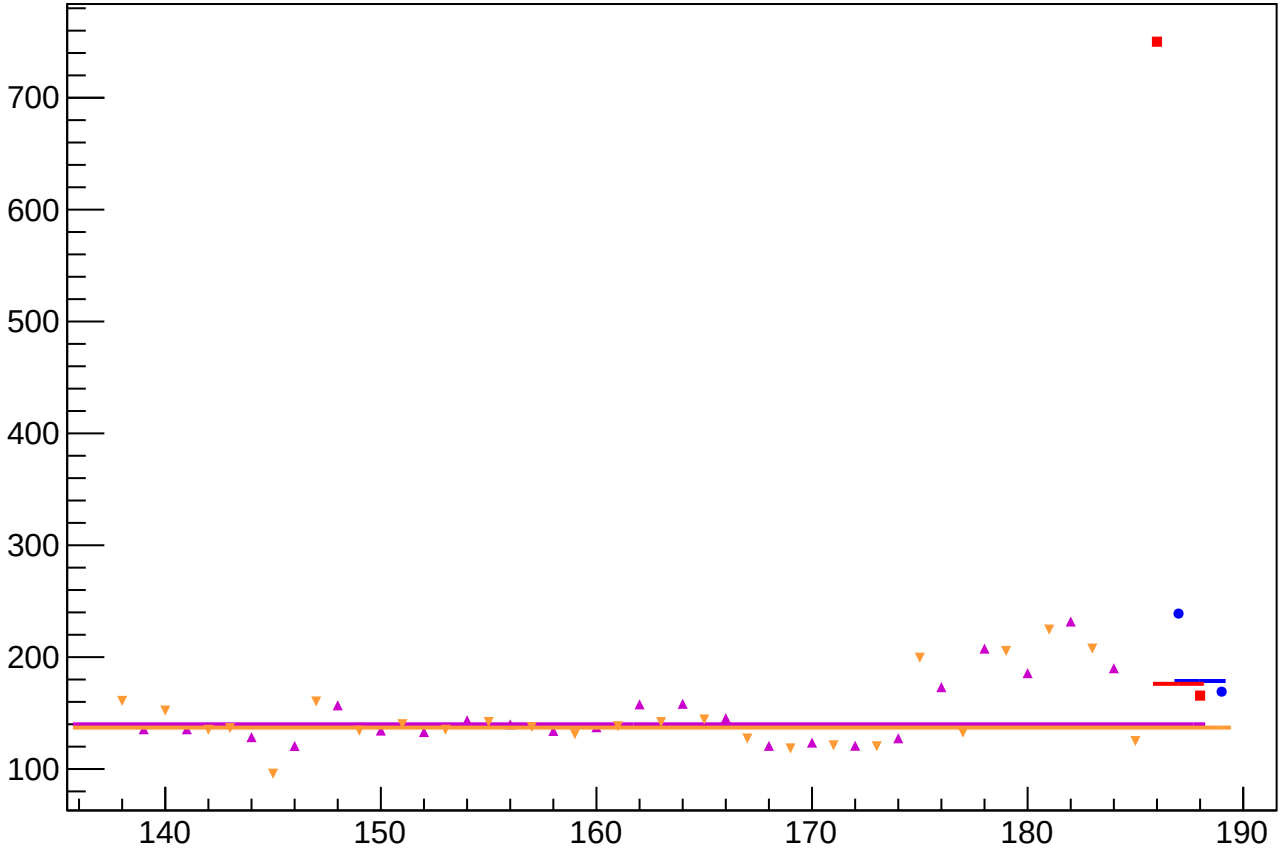
Right: 124.702+/-138.960 $\chi^2$/NDF: 0.5/3

In: 257.560+/-33.624 $\chi^2$/NDF:29.4/24

Out: 239.660+/-32.175 $\chi^2$/NDF:23.8/26

All: 248.216+/-23.247 $\chi^2$/NDF: 53.4/51

# dit_asym_sam_48_dd_rms vs Slug, Sign Corrected




Right In: 178.676+/-0.163 $\chi^2$/NDF: 21638.0/1

Left Out: 137.036+/-0.023 $\chi^2$/NDF:1200381.2/24

Right Out: 176.154+/-0.123 $\chi^2$/NDF: 398816.1/1

Left In: 139.966+/-0.024 $\chi^2$/NDF:838127.9/22

Left: 138.446+/-0.017 $\chi^2$/NDF: 2046220.3/47

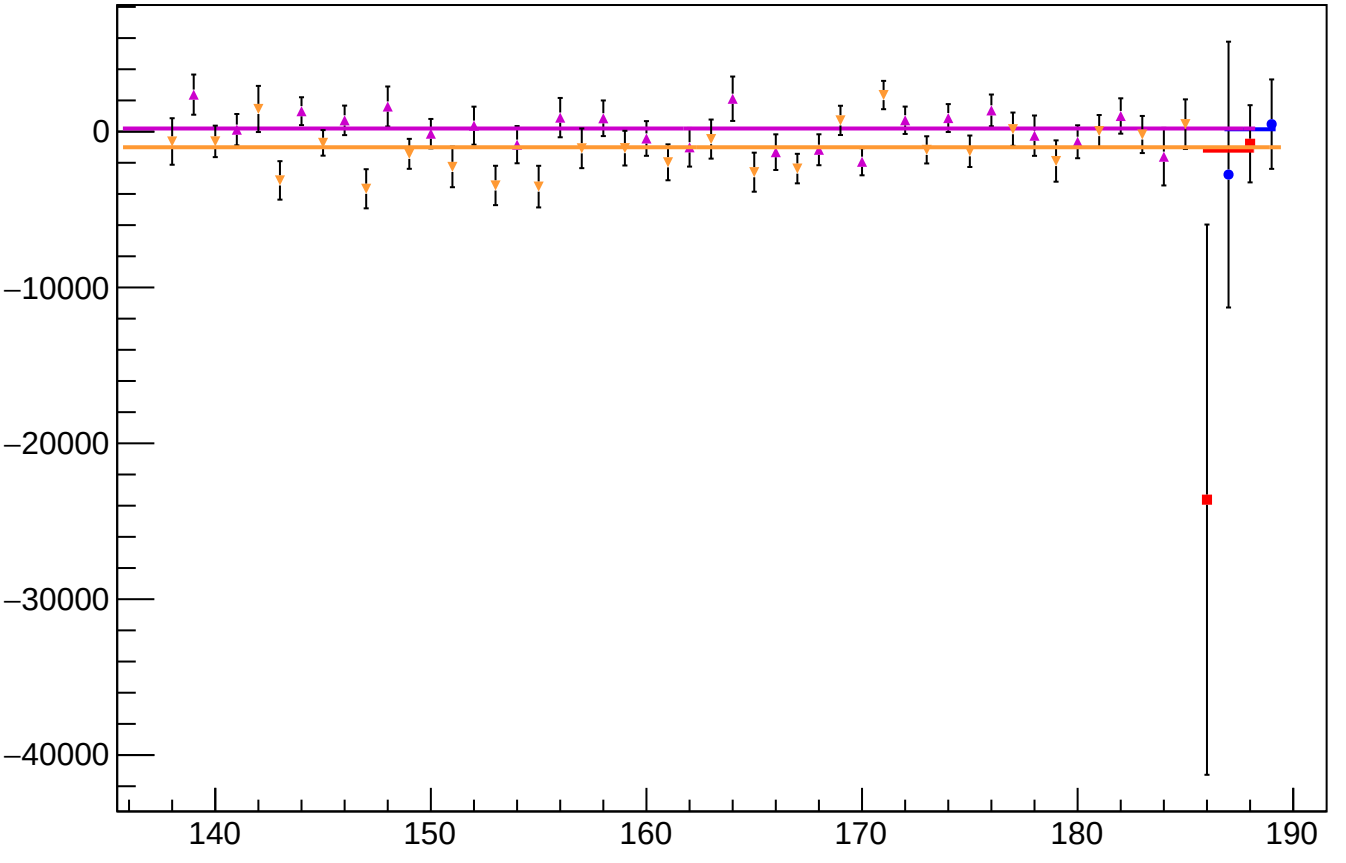
Right: 177.071+/-0.098 $\chi^2$/NDF: 420606.7/3

In: 140.790+/-0.024 $\chi^2$/NDF:914997.4/24

Out: 138.370+/-0.023 $\chi^2$/NDF:1696618.0/26

All: 139.527+/-0.016 $\chi^2$/NDF: 2617022.2/51

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected




Right In: 148.616+/-2719.680 $\chi^2$/NDF: 0.1/1

Left Out: -1004.364+/-222.387 $\chi^2$/NDF:44.7/24

Right Out: -1222.551+/-2452.842 $\chi^2$/NDF: 1.6/1

Left In: 198.654+/-225.997 $\chi^2$/NDF:24.6/22

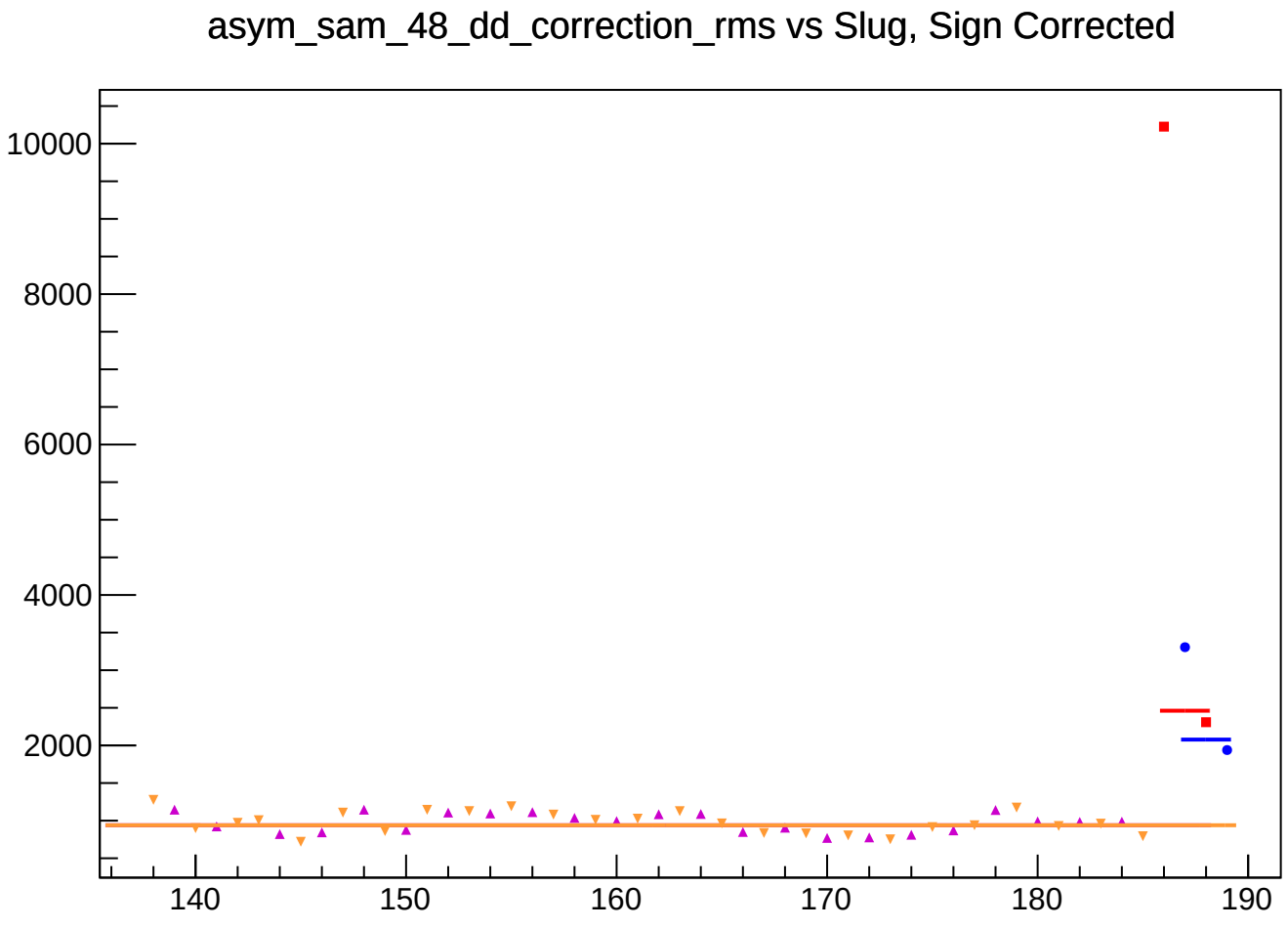
Left: -412.541+/-158.512 $\chi^2$/NDF: 83.7/47

Right: -607.515+/-1821.474 $\chi^2$/NDF: 1.9/3

In: 198.311+/-225.221 $\chi^2$/NDF:24.8/24

Out: -1006.143+/-221.479 $\chi^2$/NDF:46.3/26

All: -414.006+/-157.916 $\chi^2$/NDF: 85.6/51




Right In: 2077.746+/-1.923 $\chi^2$/NDF: 46176.8/1

Left Out: 938.988+/-0.157 $\chi^2$/NDF:828400.0/24

Right Out: 2461.524+/-1.734 $\chi^2$/NDF: 394658.2/1

Left In: 938.755+/-0.160 $\chi^2$/NDF:611419.0/22

Left: 938.874+/-0.112 $\chi^2$/NDF: 1439820.2/47

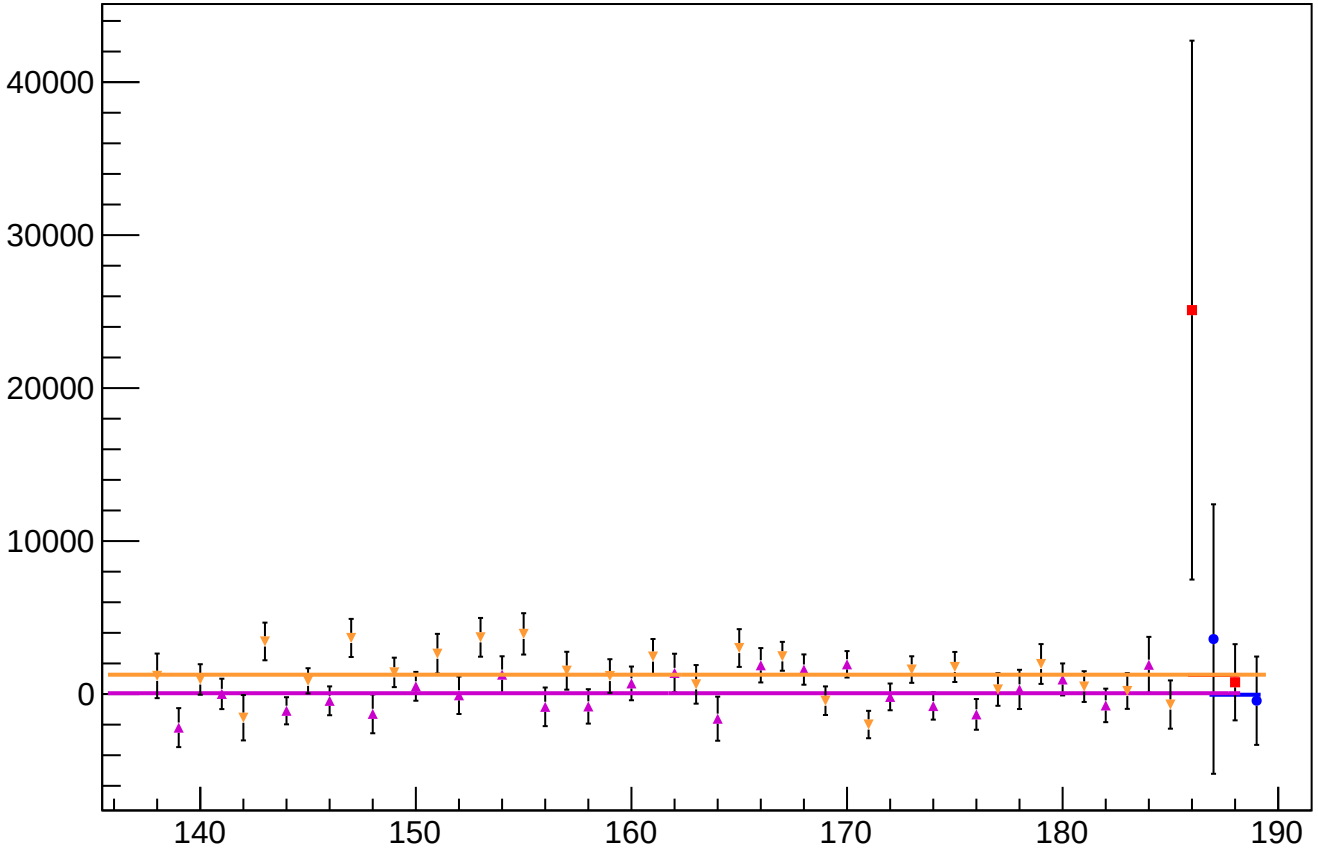
Right: 2289.380+/-1.288 $\chi^2$/NDF: 462796.4/3

In: 946.566+/-0.159 $\chi^2$/NDF:1005970.1/24

Out: 951.402+/-0.157 $\chi^2$/NDF:1987369.4/26

All: 949.024+/-0.112 $\chi^2$/NDF: 2993808.3/51

# asym_sam_48_dd_mean vs Slug, Sign Corrected




Right In: -45.183+/-2743.608 $\chi^2$/NDF: 0.2/1

Left Out: 1264.940+/-220.626 $\chi^2$/NDF:45.5/24

Right Out: 1246.702+/-2465.600 $\chi^2$/NDF: 1.9/1

Left In: 53.940+/-224.371 $\chi^2$/NDF:26.4/22

Left: 669.631+/-157.313 $\chi^2$/NDF: 86.8/47

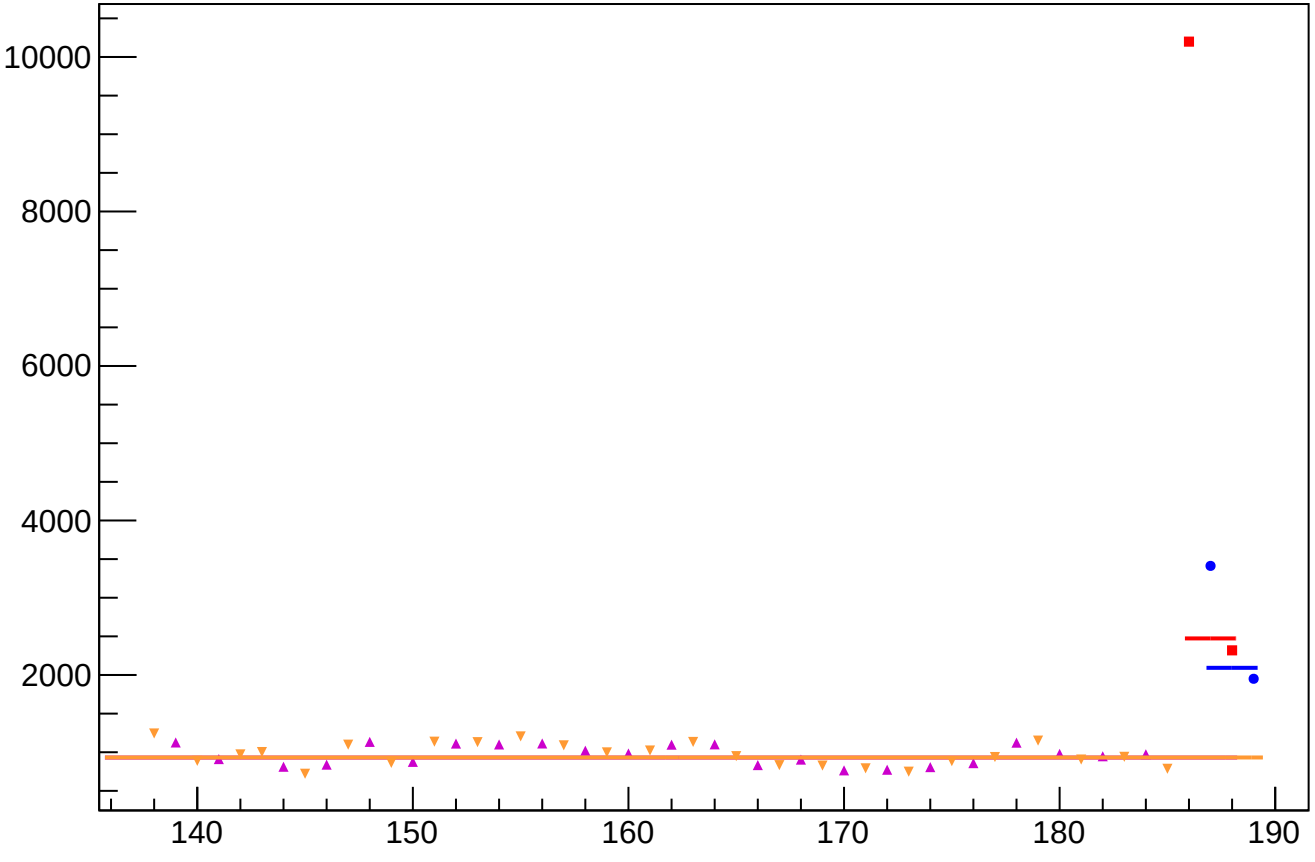
Right: 669.510+/-1833.878 $\chi^2$/NDF: 2.2/3

In: 53.281+/-223.624 $\chi^2$/NDF:26.6/24

Out: 1264.795+/-219.748 $\chi^2$/NDF:47.4/26

All: 669.630+/-156.738 $\chi^2$/NDF: 88.9/51

# asym_sam_48_dd_rms vs Slug, Sign Corrected




Right In: 2092.722+/-1.940 $\chi^2$/NDF: 49700.8/1

Left Out: 932.170+/-0.156 $\chi^2$/NDF:828733.8/24

Right Out: 2473.322+/-1.743 $\chi^2$/NDF: 392422.5/1

Left In: 930.854+/-0.159 $\chi^2$/NDF:621985.5/22

Left: 931.523+/-0.111 $\chi^2$/NDF: 1450754.2/47

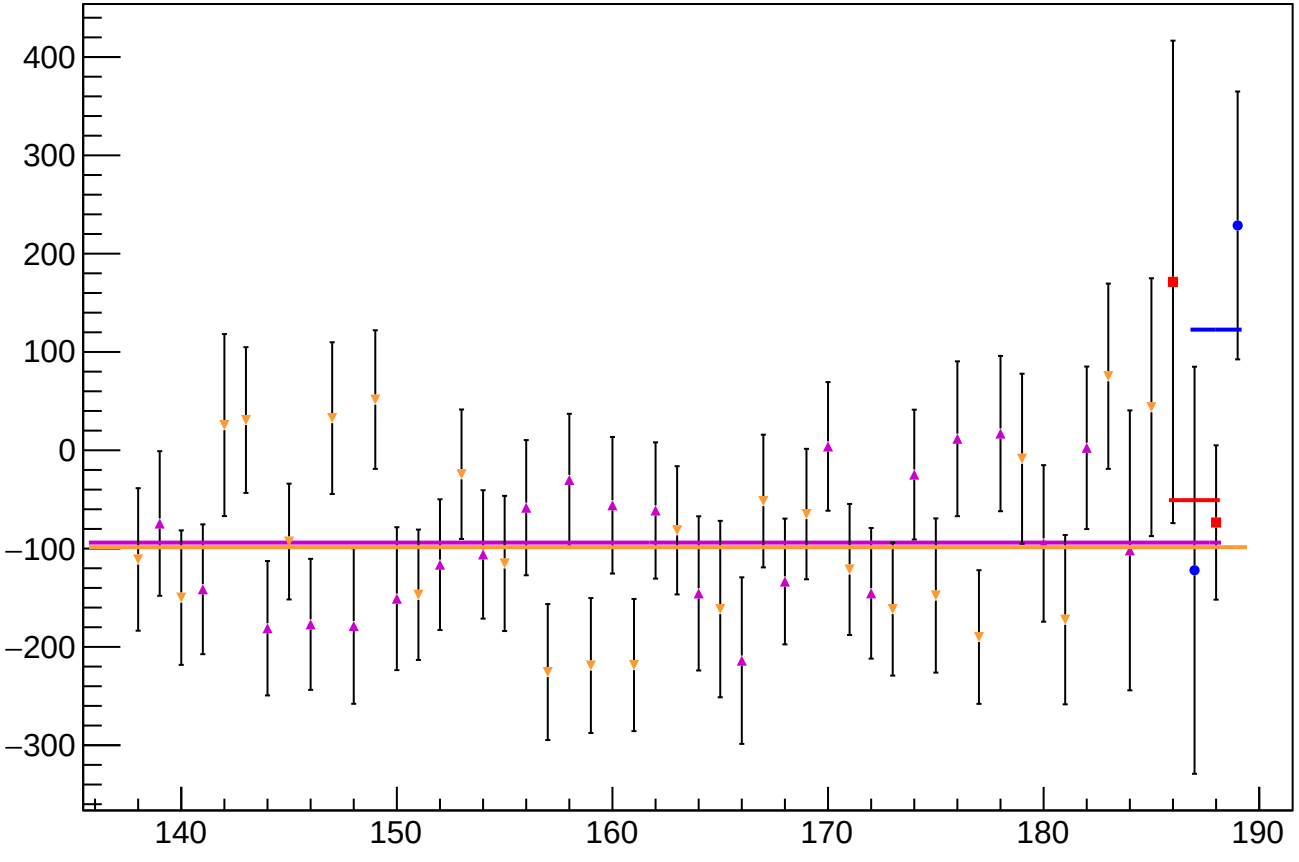
Right: 2303.276+/-1.297 $\chi^2$/NDF: 463415.4/3

In: 938.573+/-0.158 $\chi^2$/NDF:1027977.1/24

Out: 944.412+/-0.155 $\chi^2$/NDF:1996352.8/26

All: 941.543+/-0.111 $\chi^2$/NDF: 3025023.6/51

# dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected




Right In: 122.727+/-113.805 $\chi^2$/NDF: 2.0/1

Left Out: -98.557+/-14.525 $\chi^2$/NDF:35.2/24

Right Out: -50.728+/-74.762 $\chi^2$/NDF: 0.9/1

Left In: -93.899+/-15.039 $\chi^2$/NDF:19.3/22

Left: -96.309+/-10.448 $\chi^2$/NDF: 54.6/47

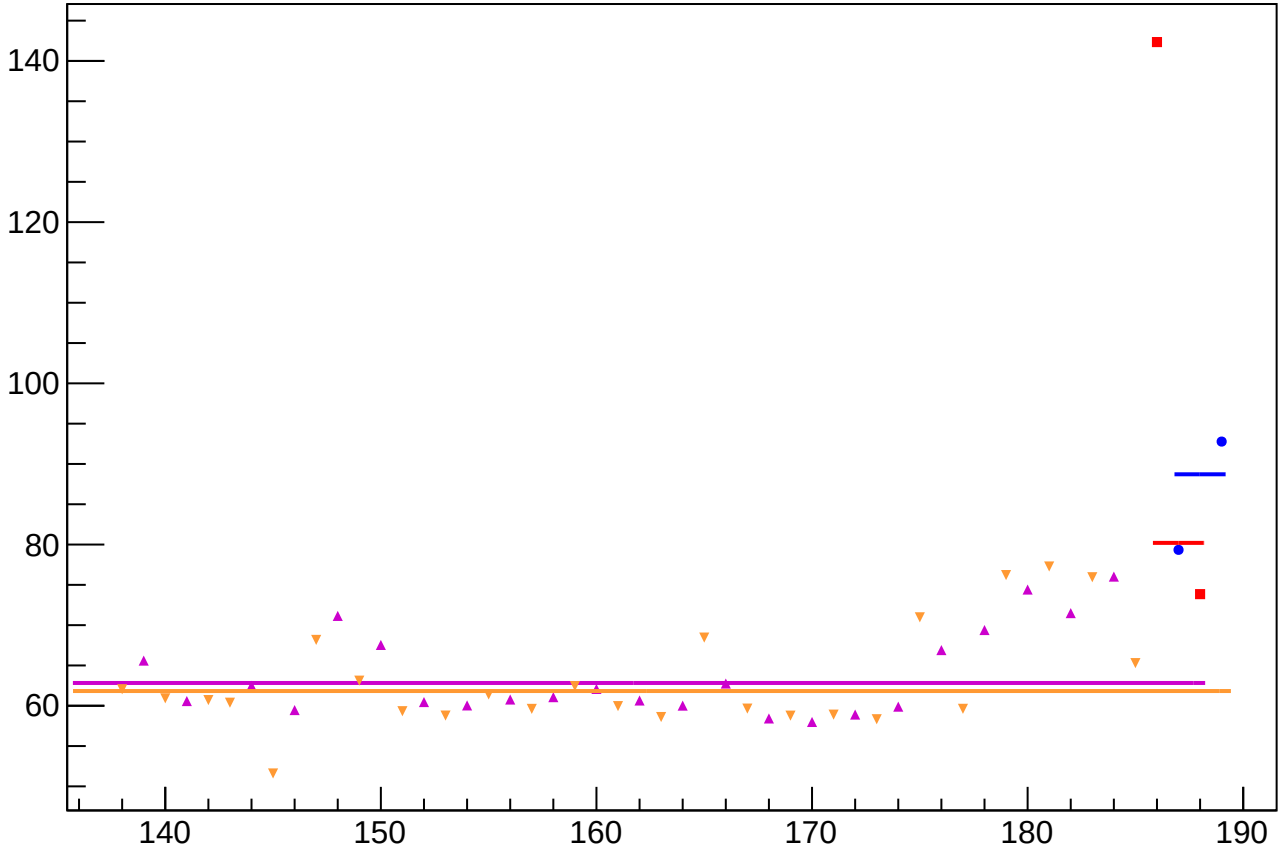
Right: 1.561+/-62.485 $\chi^2$/NDF: 4.5/3

In: -90.181+/-14.909 $\chi^2$/NDF:24.8/24

Out: -96.818+/-14.258 $\chi^2$/NDF:36.5/26

All: -93.647+/-10.305 $\chi^2$/NDF: 61.5/51

# dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected




Right In: 88.717+/-0.080 $\chi^2$/NDF: 5876.3/1

Left Out: 61.827+/-0.010 $\chi^2$/NDF:313572.8/24

Right Out: 80.207+/-0.053 $\chi^2$/NDF: 141373.5/1

Left In: 62.827+/-0.011 $\chi^2$/NDF:187007.2/22

Left: 62.310+/-0.007 $\chi^2$/NDF: 505157.6/47

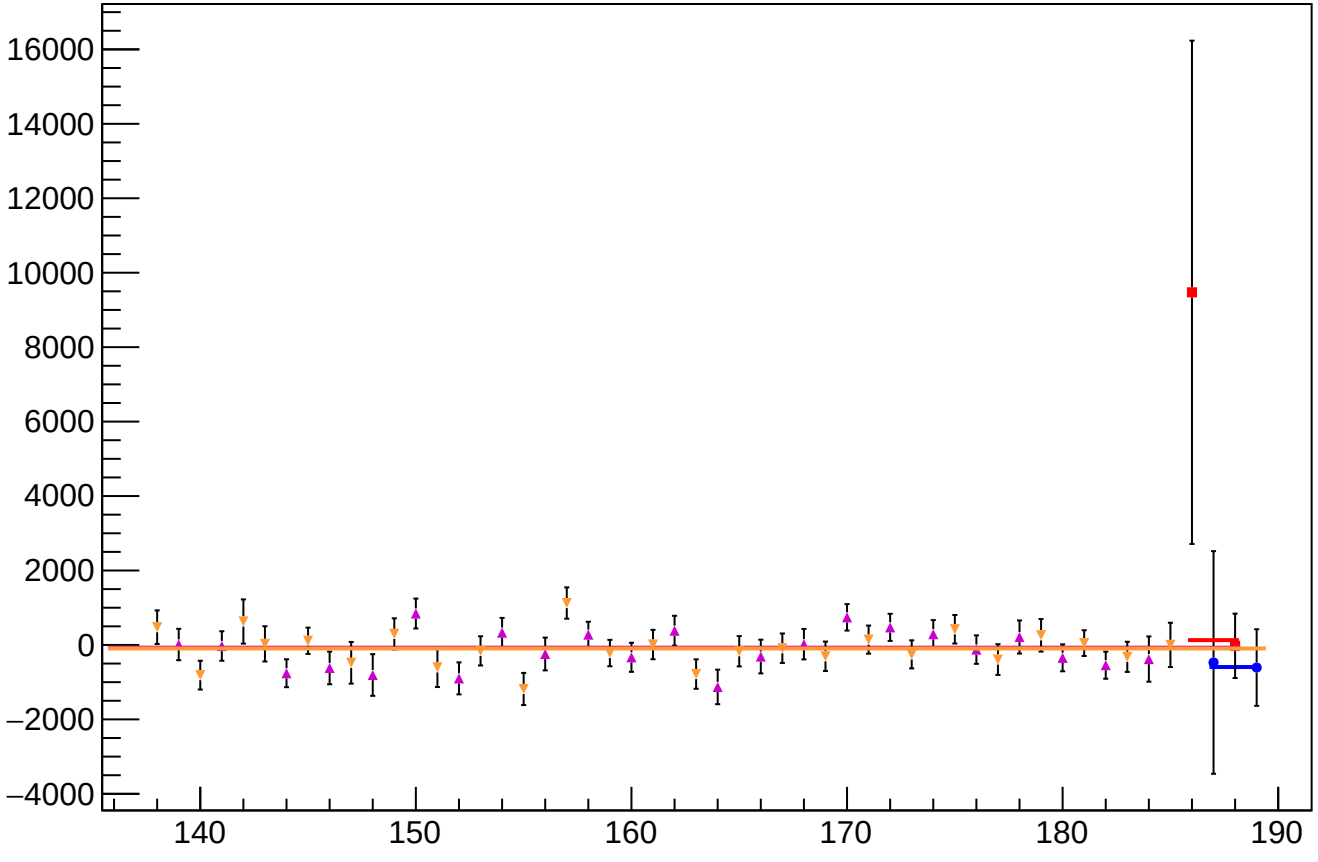
Right: 82.773+/-0.044 $\chi^2$/NDF: 155061.2/3

In: 63.271+/-0.011 $\chi^2$/NDF:294613.8/24

Out: 62.495+/-0.010 $\chi^2$/NDF:571438.4/26

All: 62.866+/-0.007 $\chi^2$/NDF: 868882.4/51

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected




Right In: -593.026+/-973.052 $\chi^2$/NDF: 0.0/1

Left Out: -94.907+/-82.850 $\chi^2$/NDF:31.6/24

Right Out: 128.990+/-857.752 $\chi^2$/NDF: 1.9/1

Left In: -73.914+/-84.652 $\chi^2$/NDF:36.4/22

Left: -84.636+/-59.211 $\chi^2$/NDF: 68.0/47

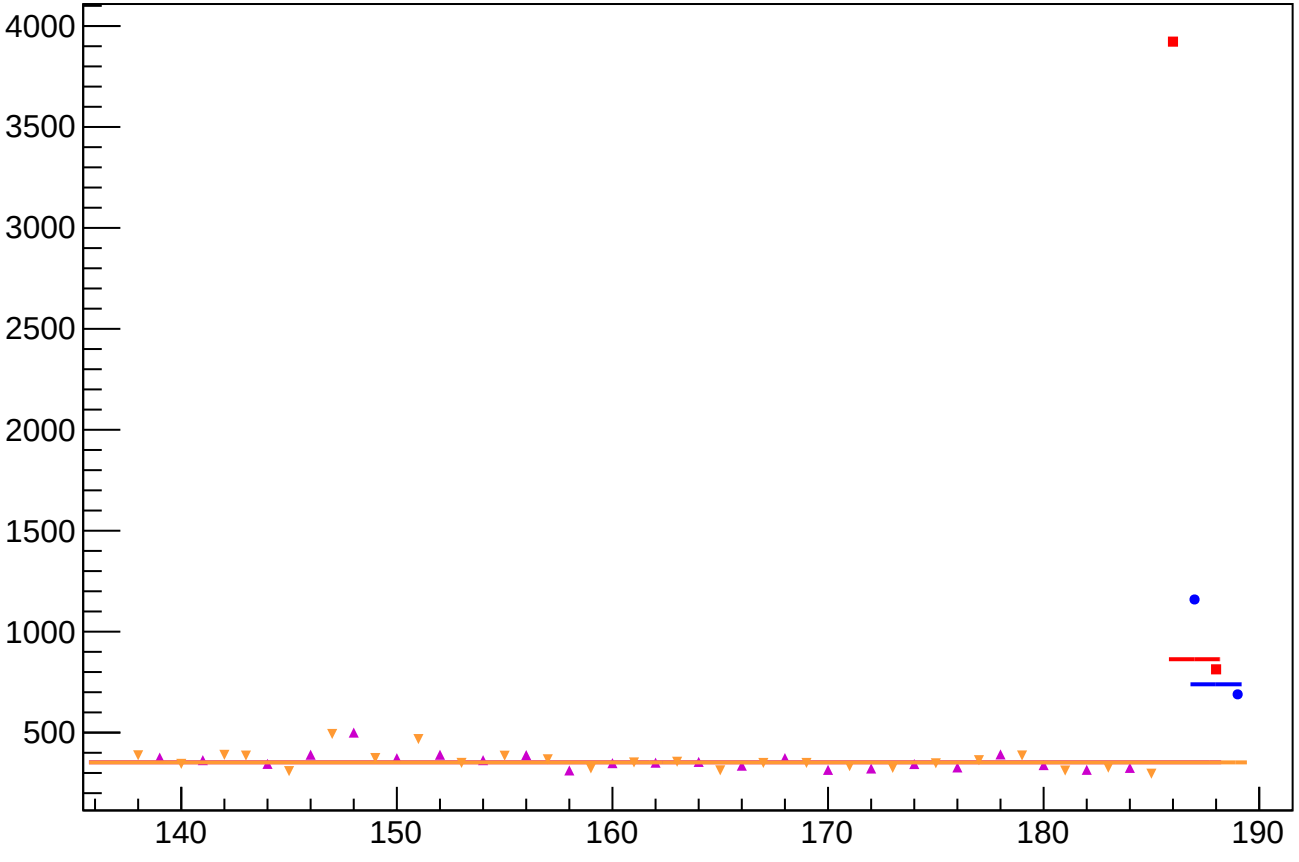
Right: -186.727+/-643.445 $\chi^2$/NDF: 2.3/3

In: -77.814+/-84.334 $\chi^2$/NDF:36.6/24

Out: -92.837+/-82.466 $\chi^2$/NDF:33.6/26

All: -85.494+/-58.961 $\chi^2$/NDF: 70.2/51

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected




Right In: 739.252+/-0.688 $\chi^2$/NDF: 44151.4/1

Left Out: 352.403+/-0.059 $\chi^2$/NDF:418506.2/24

Right Out: 863.435+/-0.607 $\chi^2$/NDF: 416277.4/1

Left In: 353.197+/-0.060 $\chi^2$/NDF:321761.0/22

Left: 352.791+/-0.042 $\chi^2$/NDF: 740357.2/47

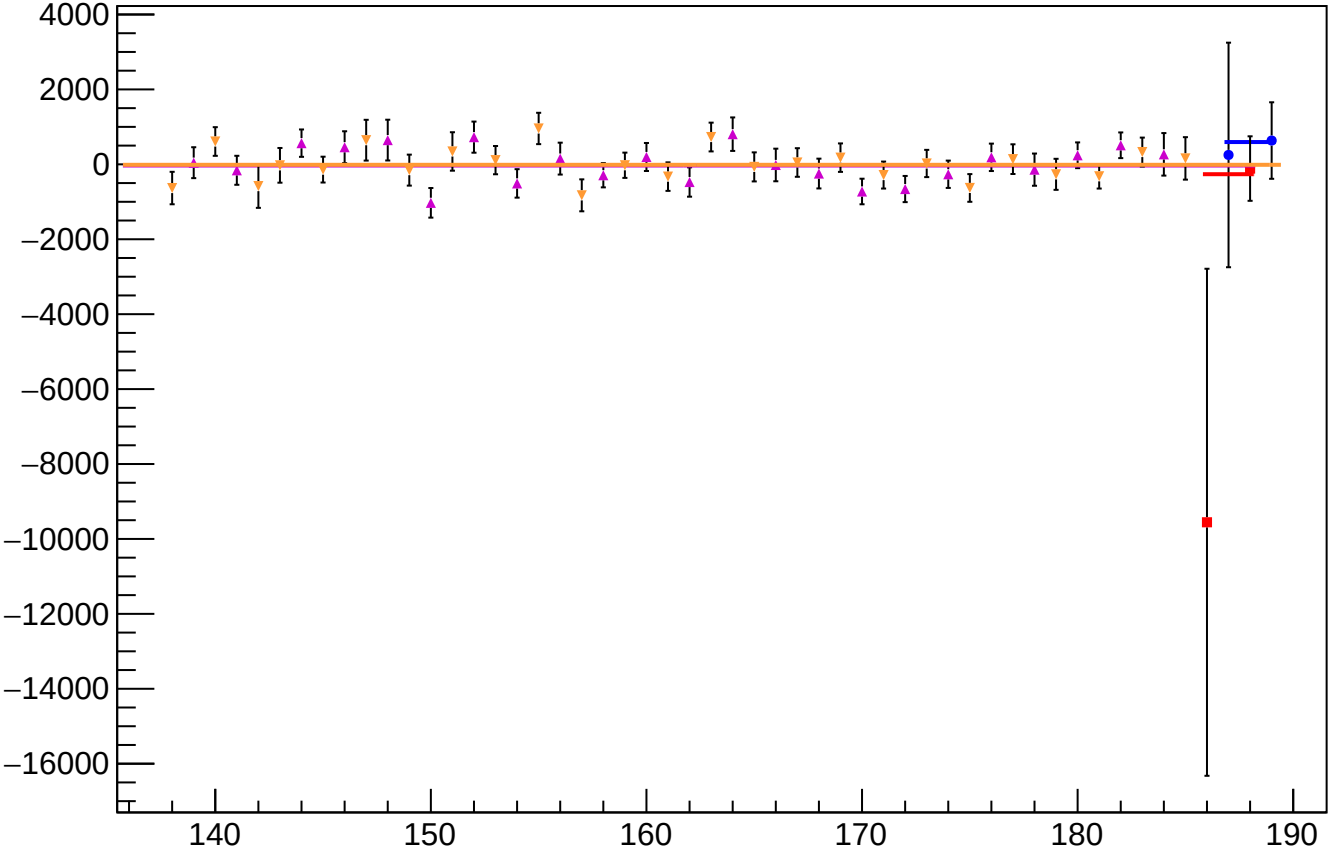
Right: 809.133+/-0.455 $\chi^2$/NDF: 478759.5/3

In: 356.097+/-0.060 $\chi^2$/NDF:678363.5/24

Out: 357.126+/-0.058 $\chi^2$/NDF:1538131.1/26

All: 356.623+/-0.042 $\chi^2$/NDF: 2216646.8/51

# asym_sam_13_57_dd_mean vs Slug, Sign Corrected




Right In: 595.036+/-966.843 $\chi^2$/NDF: 0.0/1

Left Out: -12.545+/-79.984 $\chi^2$/NDF:27.3/24

Right Out: -263.289+/-854.217 $\chi^2$/NDF: 1.9/1

Left In: -31.531+/-81.476 $\chi^2$/NDF:34.8/22

Left: -21.863+/-57.077 $\chi^2$/NDF: 62.2/47

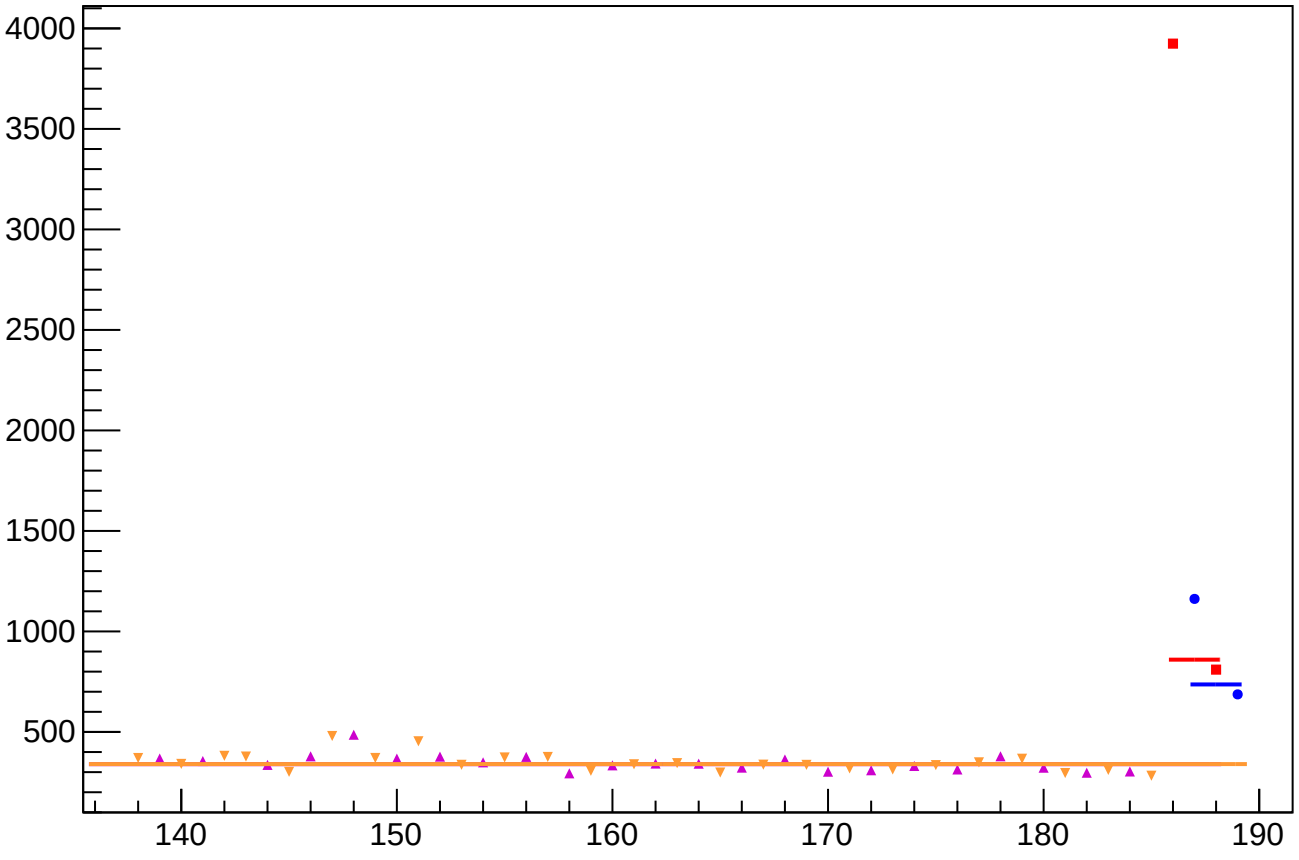
Right: 112.992+/-640.156 $\chi^2$/NDF: 2.4/3

In: -27.113+/-81.188 $\chi^2$/NDF:35.2/24

Out: -14.724+/-79.636 $\chi^2$/NDF:29.4/26

All: -20.799+/-56.852 $\chi^2$/NDF: 64.6/51

# asym_sam_13_57_dd_rms vs Slug, Sign Corrected




Right In: 736.292+/-0.684 $\chi^2$/NDF: 44998.8/1

Left Out: 340.018+/-0.057 $\chi^2$/NDF:465345.1/24

Right Out: 859.591+/-0.604 $\chi^2$/NDF: 416759.1/1

Left In: 339.571+/-0.058 $\chi^2$/NDF:377816.0/22

Left: 339.799+/-0.040 $\chi^2$/NDF: 843191.8/47

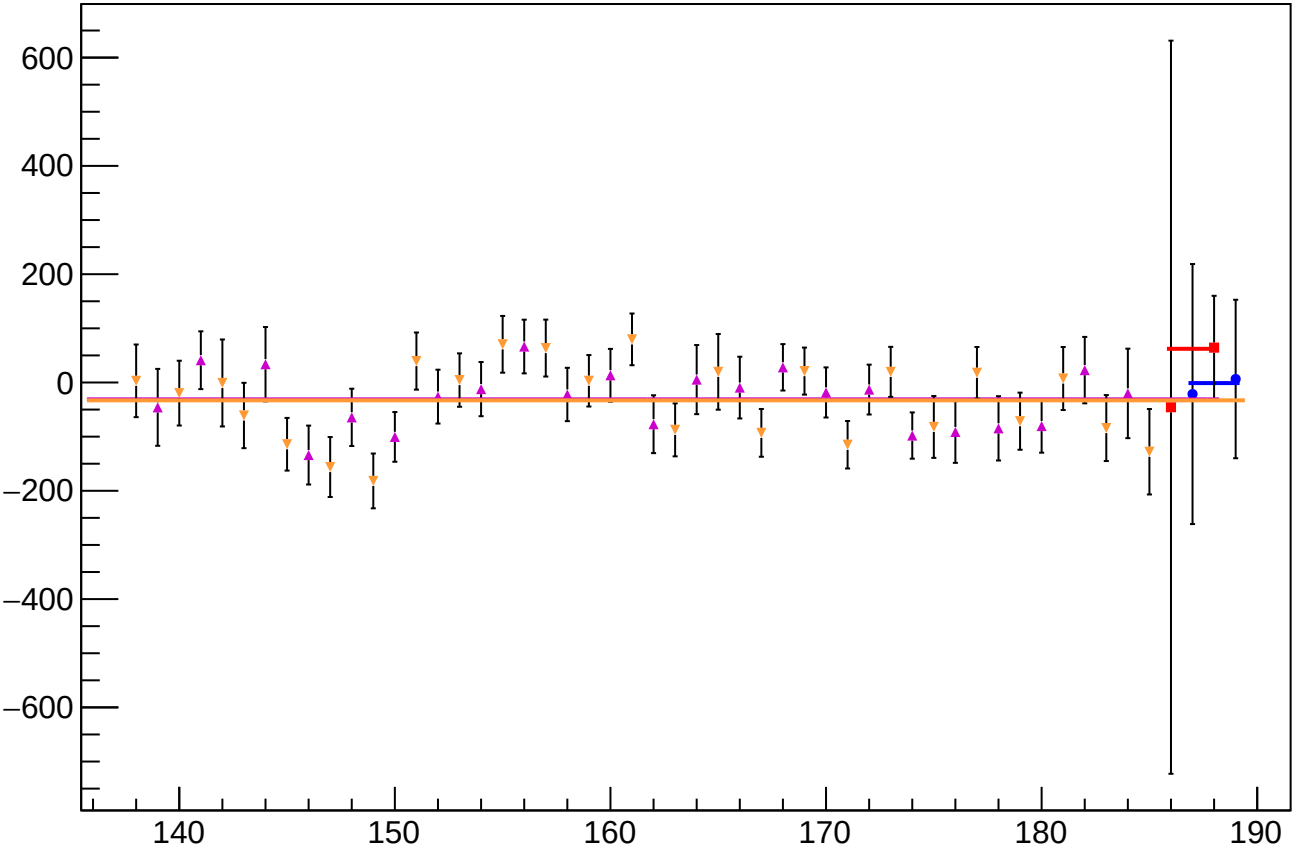
Right: 805.538+/-0.453 $\chi^2$/NDF: 480025.0/3

In: 342.368+/-0.057 $\chi^2$/NDF:757176.2/24

Out: 344.534+/-0.056 $\chi^2$/NDF:1615595.7/26

All: 343.472+/-0.040 $\chi^2$/NDF: 2373497.2/51

# dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected




Right In: -1.077+/-124.953 $\chi^2$/NDF: 0.0/1

Left Out: -32.964+/-10.578 $\chi^2$/NDF:48.0/24

Right Out: 62.216+/-94.779 $\chi^2$/NDF: 0.0/1

Left In: -31.144+/-10.958 $\chi^2$/NDF:23.4/22

Left: -32.086+/-7.610 $\chi^2$/NDF: 71.5/47

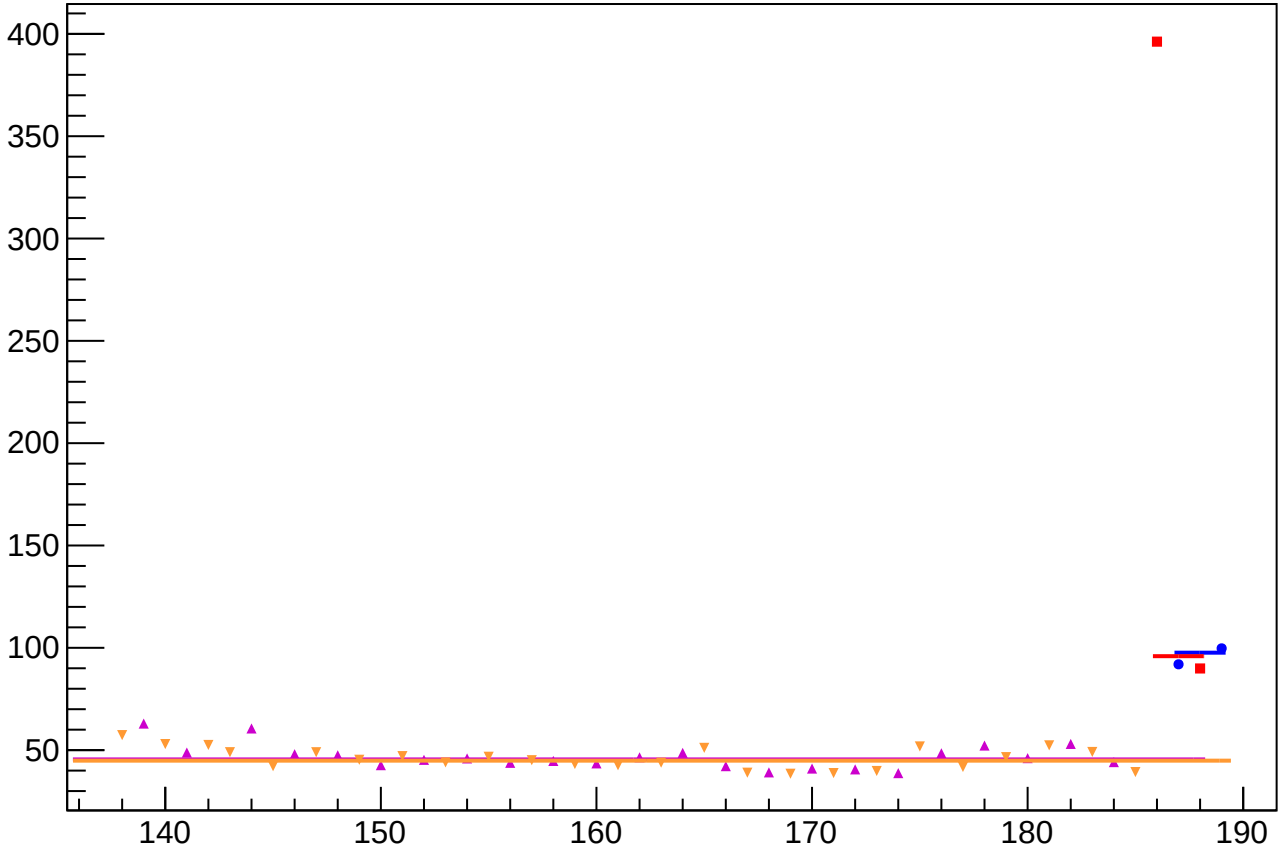
Right: 39.100+/-75.513 $\chi^2$/NDF: 0.2/3

In: -30.914+/-10.916 $\chi^2$/NDF:23.5/24

Out: -31.793+/-10.512 $\chi^2$/NDF:49.0/26

All: -31.370+/-7.572 $\chi^2$/NDF: 72.5/51

# dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected




Right In: 97.625+/-0.088 $\chi^2$/NDF: 1538.5/1

Left Out: 44.862+/-0.007 $\chi^2$/NDF:415524.3/24

Right Out: 95.911+/-0.067 $\chi^2$/NDF: 401444.4/1

Left In: 45.465+/-0.008 $\chi^2$/NDF:457021.7/22

Left: 45.153+/-0.005 $\chi^2$/NDF: 875681.9/47

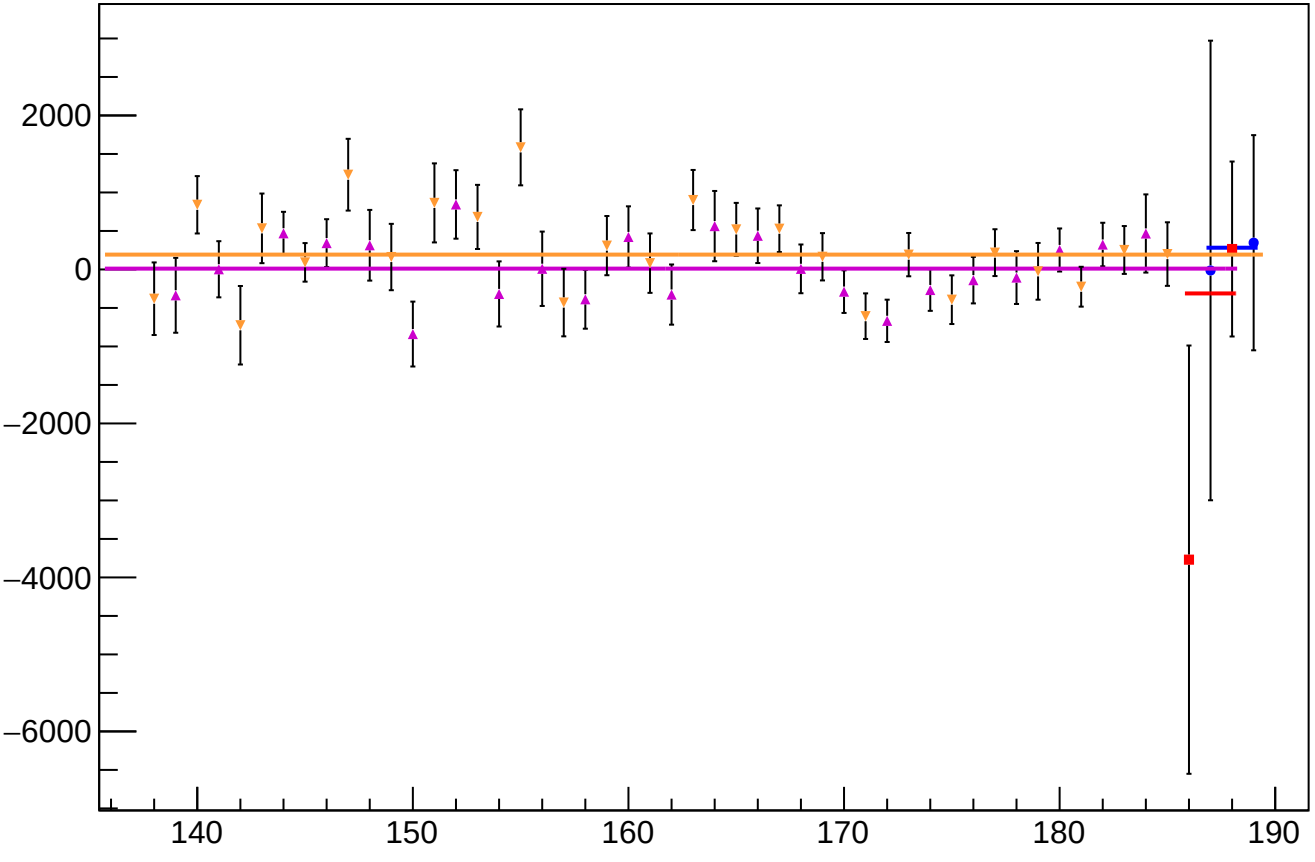
Right: 96.537+/-0.053 $\chi^2$/NDF: 403221.7/3

In: 45.863+/-0.008 $\chi^2$/NDF:804411.8/24

Out: 45.490+/-0.007 $\chi^2$/NDF:1390039.5/26

All: 45.670+/-0.005 $\chi^2$/NDF: 2195663.7/51

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected




Right In: 282.429+/-1265.531 $\chi^2$/NDF: 0.0/1

Left Out: 192.946+/-70.968 $\chi^2$/NDF:45.8/24

Right Out: -311.452+/-1051.759 $\chi^2$/NDF: 1.8/1

Left In: 10.801+/-72.300 $\chi^2$/NDF:30.2/22

Left: 103.567+/-50.646 $\chi^2$/NDF: 79.3/47

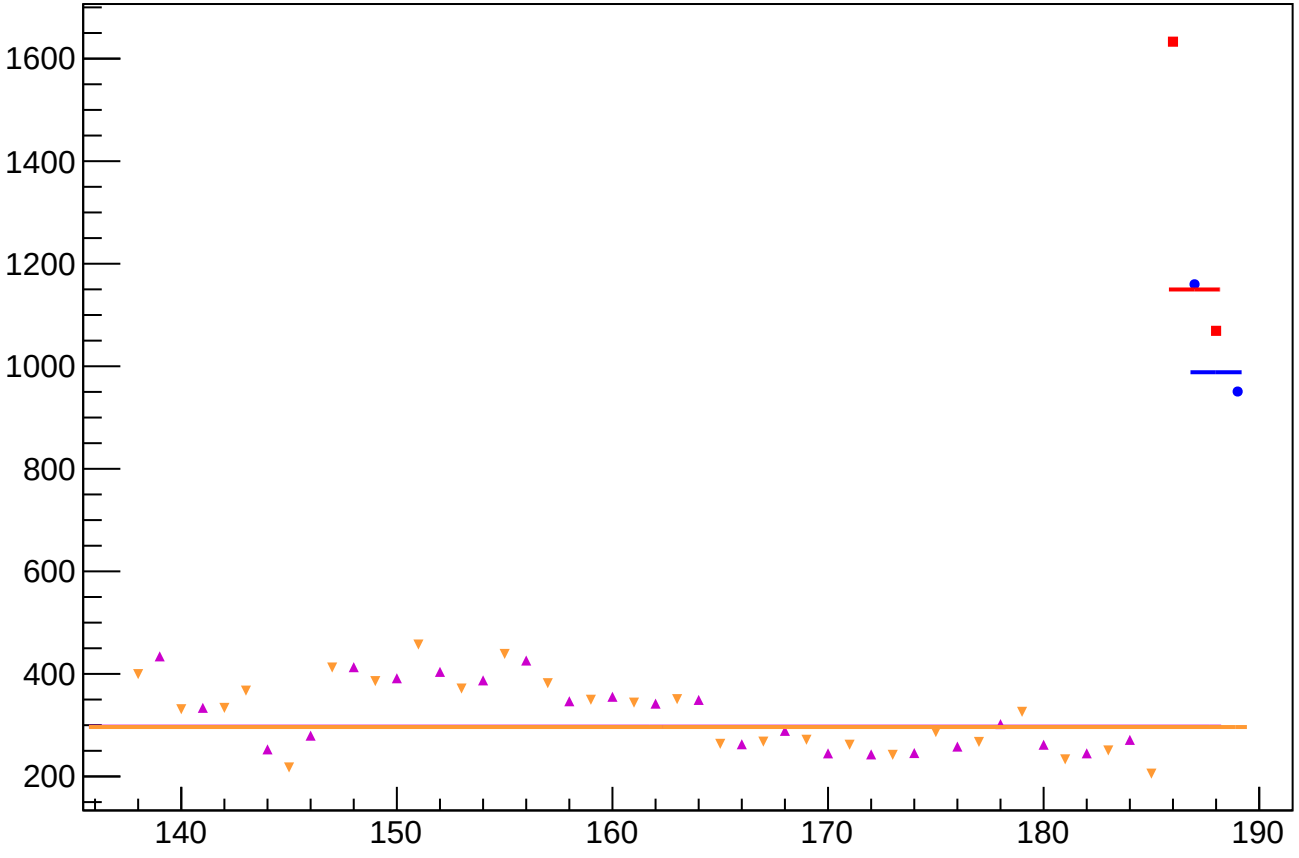
Right: -68.835+/-808.879 $\chi^2$/NDF: 1.9/3

In: 11.684+/-72.182 $\chi^2$/NDF:30.3/24

Out: 190.660+/-70.807 $\chi^2$/NDF:47.9/26

All: 102.894+/-50.547 $\chi^2$/NDF: 81.3/51

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected




Right In: 988.357+/-0.895 $\chi^2$/NDF: 8056.2/1

Left Out: 296.383+/-0.050 $\chi^2$/NDF:1635498.4/24

Right Out: 1149.773+/-0.744 $\chi^2$/NDF: 70471.5/1

Left In: 297.137+/-0.051 $\chi^2$/NDF:1320750.3/22

Left: 296.753+/-0.036 $\chi^2$/NDF: 2956359.4/47

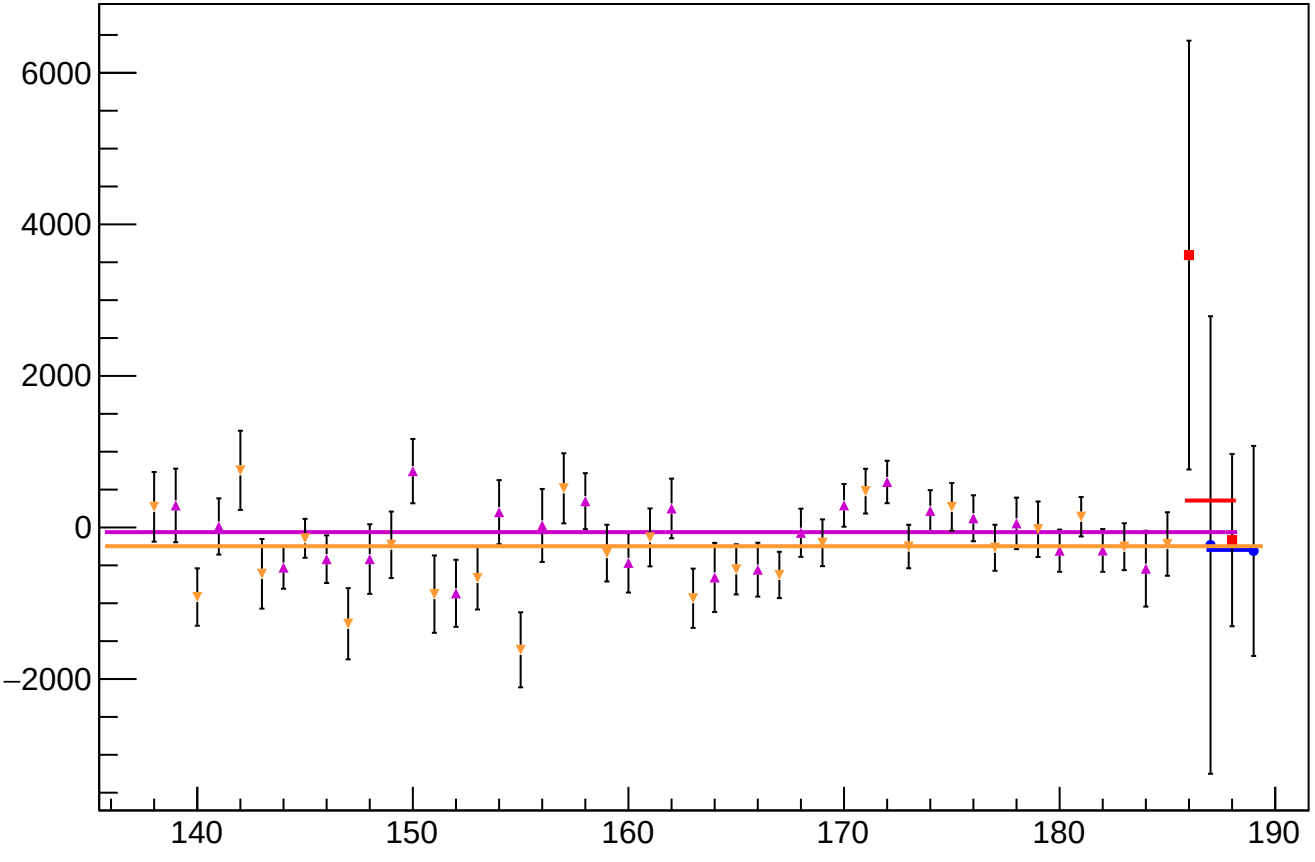
Right: 1083.830+/-0.572 $\chi^2$/NDF: 97772.5/3

In: 299.386+/-0.051 $\chi^2$/NDF:1923510.6/24

Out: 300.251+/-0.050 $\chi^2$/NDF:3016718.9/26

All: 299.827+/-0.036 $\chi^2$/NDF: 4940376.0/51

# asym_sam_15_37_dd_mean vs Slug, Sign Corrected




Right In: -295.819+/-1259.520 $\chi^2$/NDF: 0.0/1

Left Out: -247.108+/-71.218 $\chi^2$/NDF:43.6/24

Right Out: 355.868+/-1054.774 $\chi^2$/NDF: 1.5/1

Left In: -61.707+/-72.478 $\chi^2$/NDF:30.3/22

Left: -156.032+/-50.798 $\chi^2$/NDF: 77.2/47

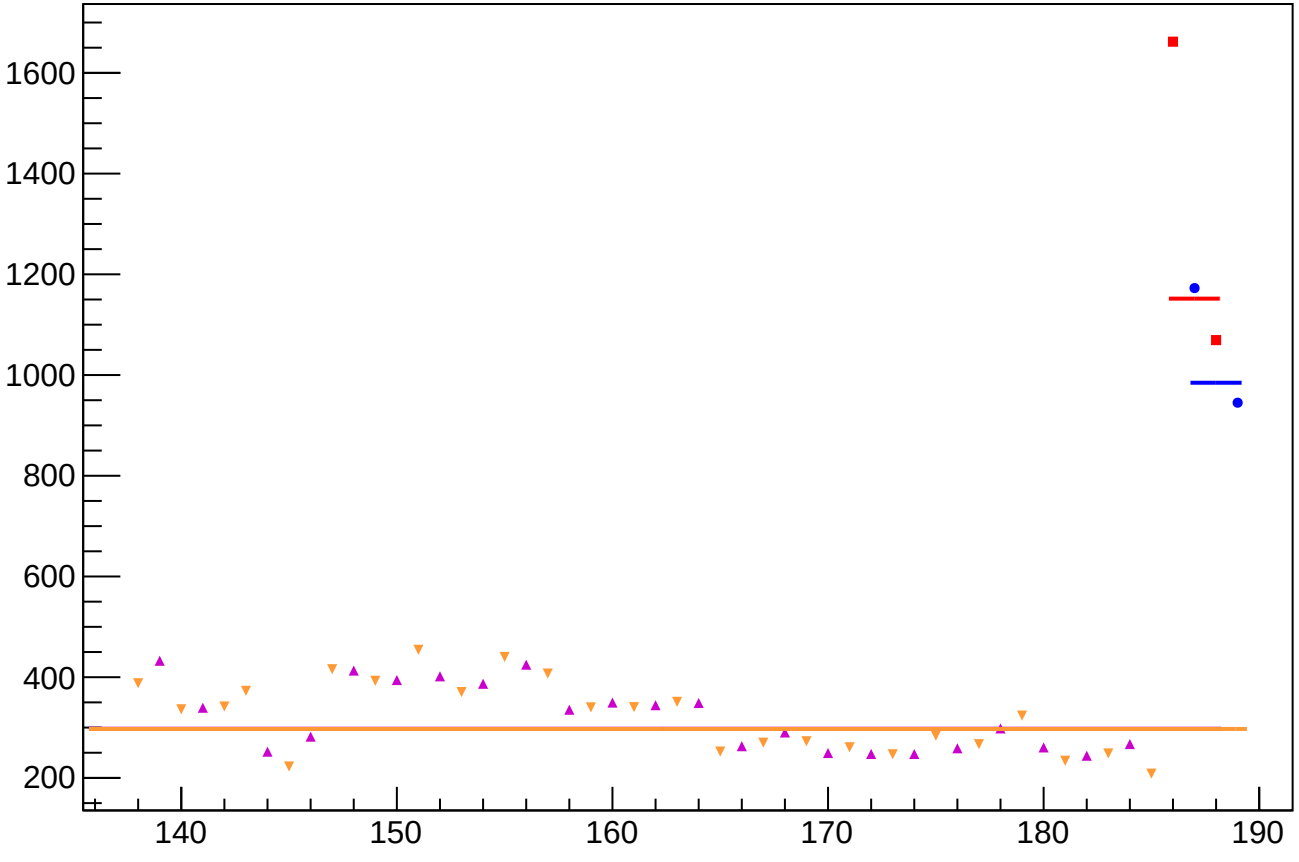
Right: 87.232+/-808.664 $\chi^2$/NDF: 1.7/3

In: -62.479+/-72.358 $\chi^2$/NDF:30.4/24

Out: -244.371+/-71.056 $\chi^2$/NDF:45.4/26

All: -155.076+/-50.698 $\chi^2$/NDF: 79.0/51

# asym_sam_15_37_dd_rms vs Slug, Sign Corrected




Right In: 984.711+/-0.891 $\chi^2$/NDF: 9385.0/1

Left Out: 297.273+/-0.050 $\chi^2$/NDF:1627904.5/24

Right Out: 1151.722+/-0.746 $\chi^2$/NDF: 75521.8/1

Left In: 297.696+/-0.051 $\chi^2$/NDF:1274607.7/22

Left: 297.481+/-0.036 $\chi^2$/NDF: 2902547.0/47

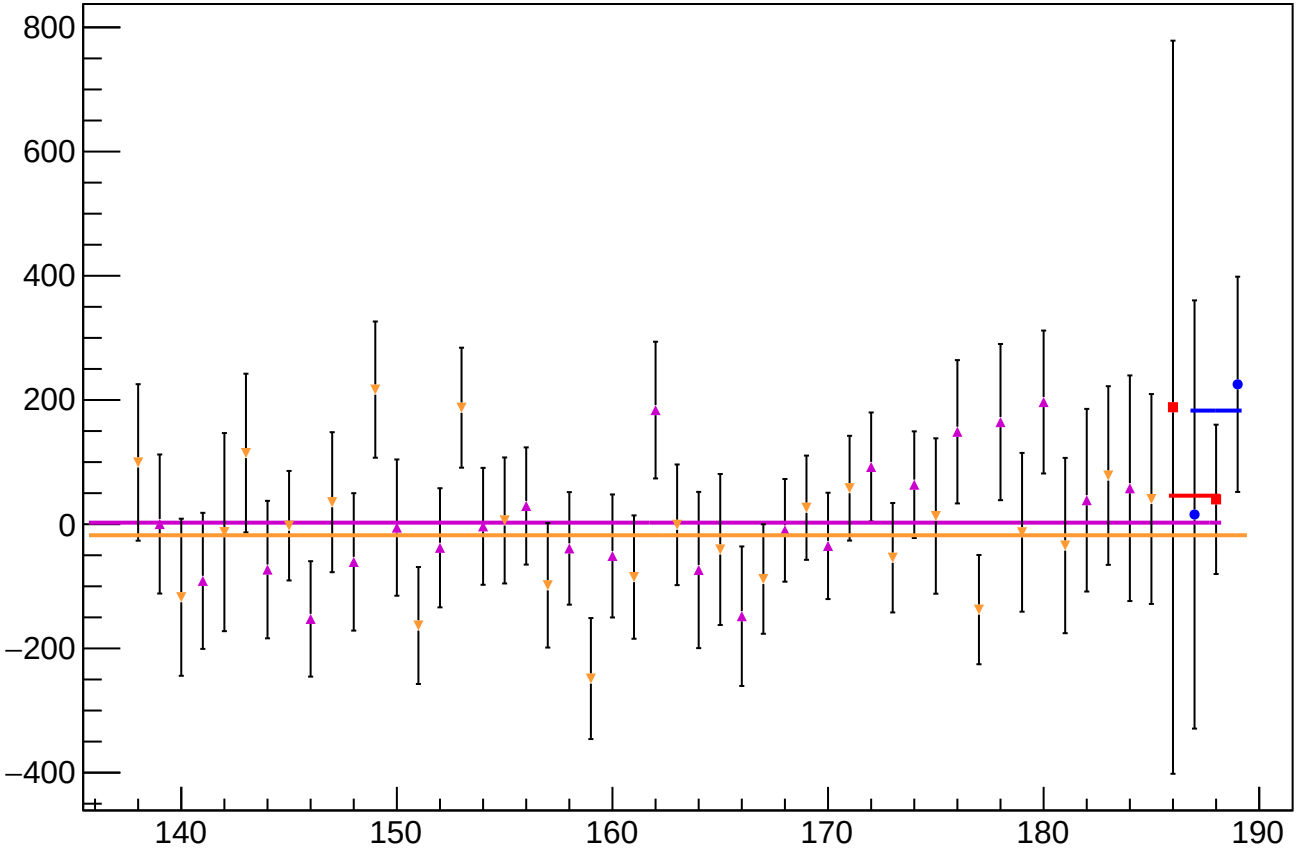
Right: 1082.877+/-0.572 $\chi^2$/NDF: 105576.2/3

In: 299.964+/-0.051 $\chi^2$/NDF:1877076.2/24

Out: 301.151+/-0.050 $\chi^2$/NDF:3009921.6/26

All: 300.568+/-0.036 $\chi^2$/NDF: 4887271.7/51

# dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected




Right In: 182.963+/-154.835 $\chi^2$/NDF: 0.3/1

Left Out: -17.764+/-21.121 $\chi^2$/NDF:25.5/24

Right Out: 45.937+/-117.798 $\chi^2$/NDF: 0.1/1

Left In: 2.505+/-21.582 $\chi^2$/NDF:18.0/22

Left: -7.848+/-15.095 $\chi^2$/NDF: 44.0/47

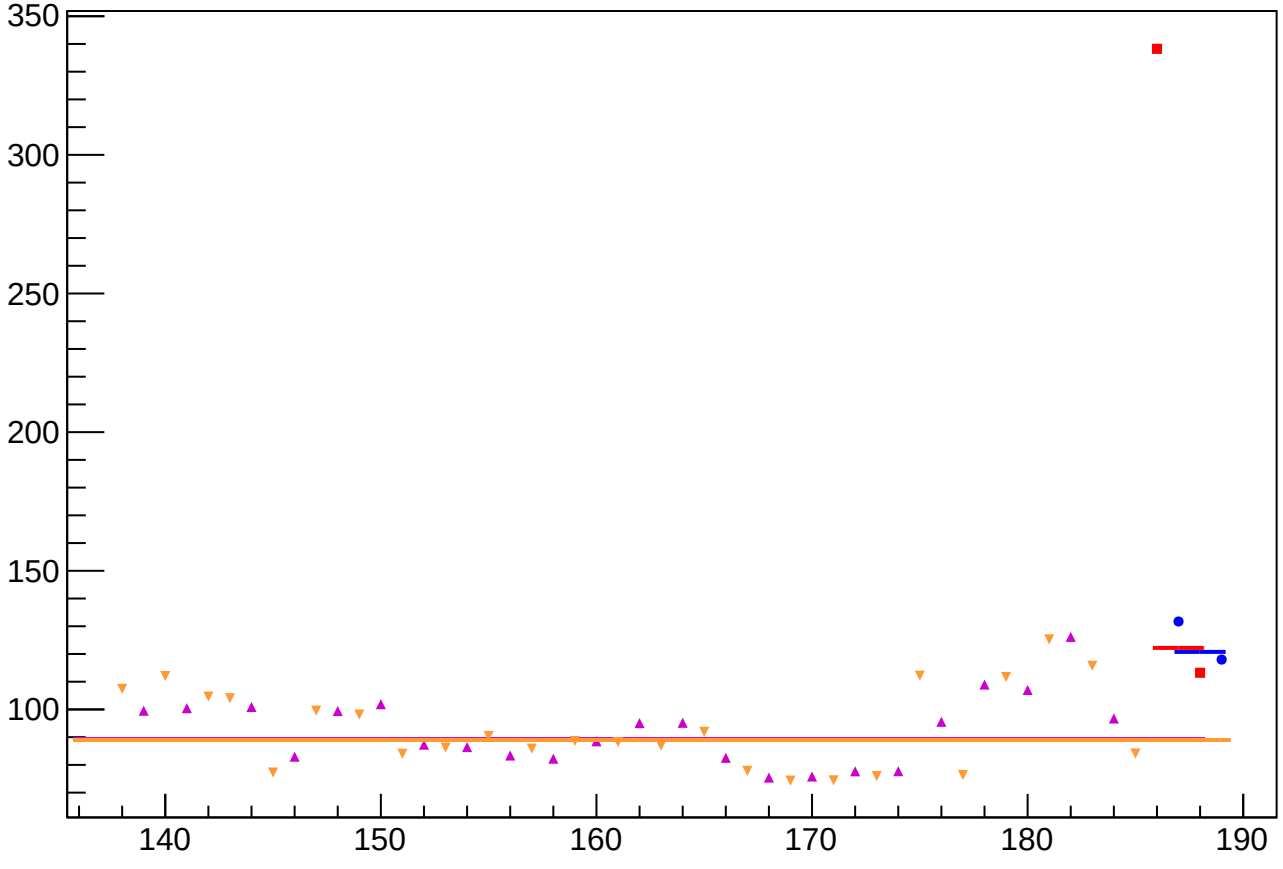
Right: 96.173+/-93.750 $\chi^2$/NDF: 0.9/3

In: 5.945+/-21.375 $\chi^2$/NDF:19.6/24

Out: -15.780+/-20.789 $\chi^2$/NDF:25.9/26

All: -5.219+/-14.903 $\chi^2$/NDF: 46.0/51

# dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected




Right In: 120.753+/-0.109 $\chi^2$/NDF: 2534.3/1

Left Out: 88.991+/-0.015 $\chi^2$/NDF:807471.2/24

Right Out: 122.195+/-0.083 $\chi^2$/NDF: 279105.3/1

Left In: 89.321+/-0.015 $\chi^2$/NDF:560433.9/22

Left: 89.152+/-0.011 $\chi^2$/NDF: 1368144.9/47

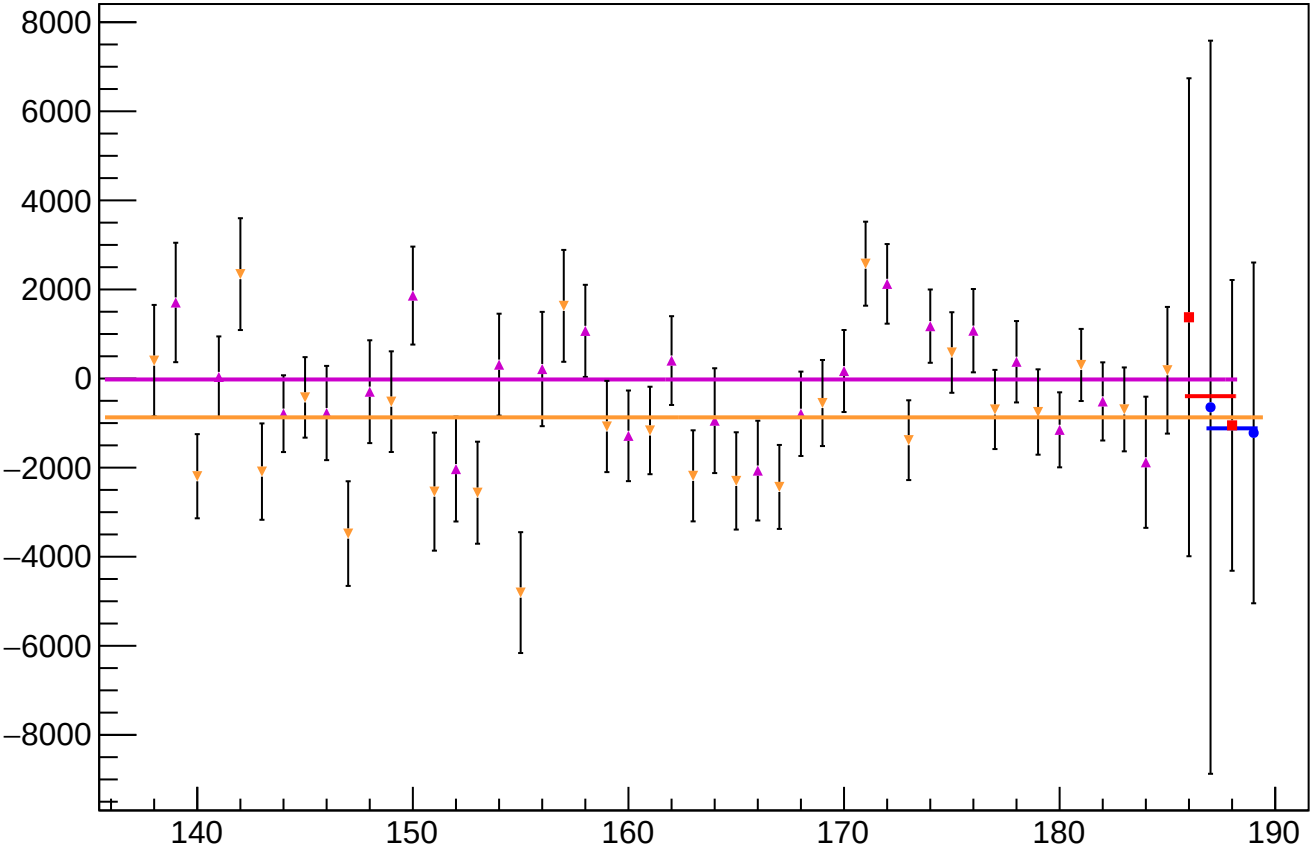
Right: 121.666+/-0.066 $\chi^2$/NDF: 281749.5/3

In: 89.920+/-0.015 $\chi^2$/NDF:643815.0/24

Out: 90.025+/-0.015 $\chi^2$/NDF:1240530.9/26

All: 89.974+/-0.011 $\chi^2$/NDF: 1884370.4/51

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected




Right In: -1117.830+/-3468.685 $\chi^2$/NDF: 0.0/1

Left Out: -871.061+/-205.986 $\chi^2$/NDF:57.6/24

Right Out: -395.691+/-2788.401 $\chi^2$/NDF: 0.1/1

Left In: -20.573+/-210.177 $\chi^2$/NDF:29.7/22

Left: -454.381+/-147.113 $\chi^2$/NDF: 95.6/47

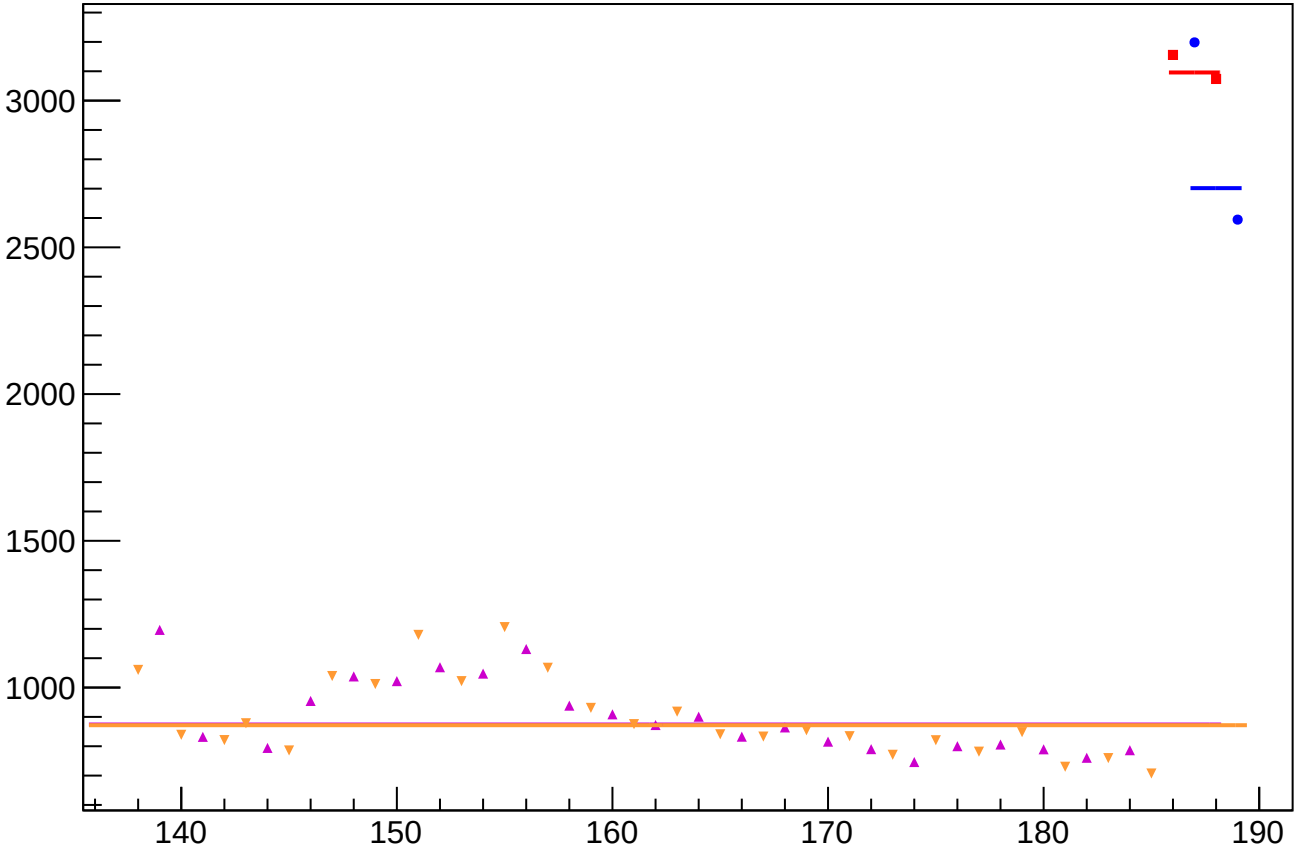
Right: -679.165+/-2173.258 $\chi^2$/NDF: 0.2/3

In: -24.587+/-209.792 $\chi^2$/NDF:29.8/24

Out: -868.481+/-205.426 $\chi^2$/NDF:57.8/26

All: -455.406+/-146.777 $\chi^2$/NDF: 95.8/51

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected




Right In: 2701.745+/-2.453 $\chi^2$/NDF: 8859.4/1

Left Out: 871.690+/-0.146 $\chi^2$/NDF:642403.4/24

Right Out: 3095.881+/-1.972 $\chi^2$/NDF: 340.0/1

Left In: 874.055+/-0.149 $\chi^2$/NDF:578510.6/22

Left: 872.849+/-0.104 $\chi^2$/NDF: 1221043.2/47

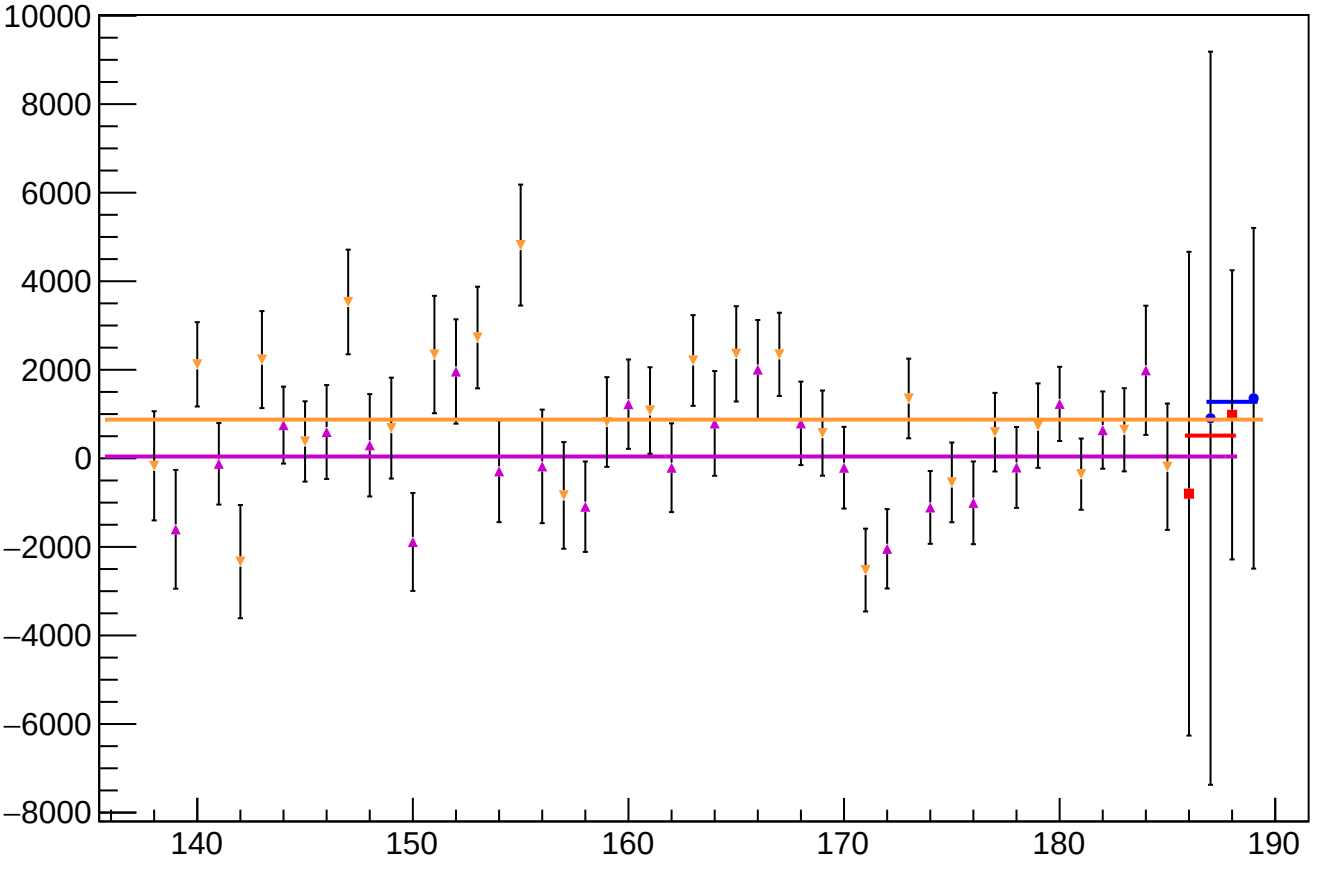
Right: 2941.164+/-1.537 $\chi^2$/NDF: 24885.1/3

In: 880.741+/-0.148 $\chi^2$/NDF:1140610.1/24

Out: 883.762+/-0.145 $\chi^2$/NDF:1908353.6/26

All: 882.283+/-0.104 $\chi^2$/NDF: 3049175.4/51

# asym_sam_24_68_dd_mean vs Slug, Sign Corrected




Right In: 1276.589+/-3488.776 $\chi^2$/NDF: 0.0/1

Left Out: 875.084+/-205.572 $\chi^2$/NDF:55.1/24

Right Out: 513.997+/-2802.864 $\chi^2$/NDF: 0.1/1

Left In: 41.523+/-210.209 $\chi^2$/NDF:28.1/22

Left: 467.597+/-146.973 $\chi^2$/NDF: 91.2/47

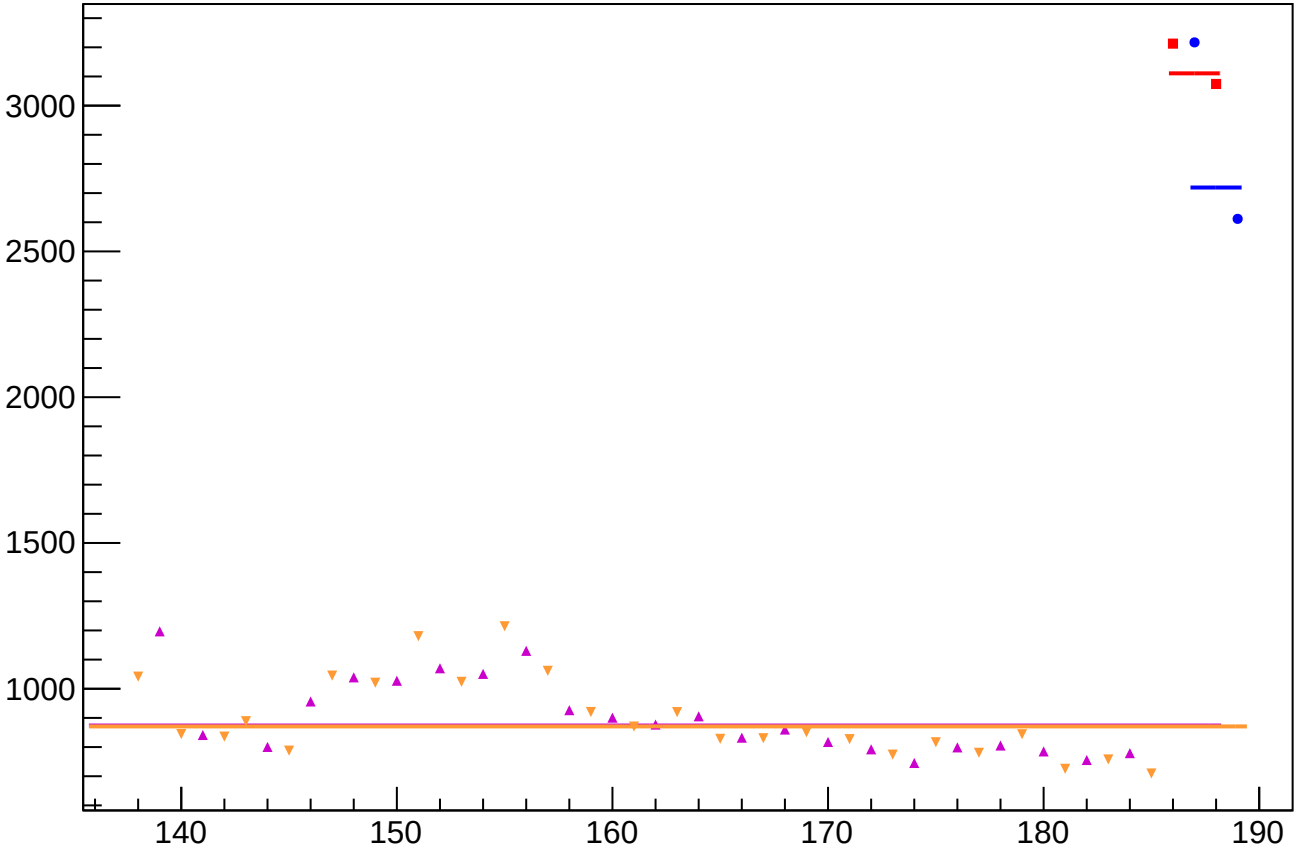
Right: 813.132+/-2185.046 $\chi^2$/NDF: 0.1/3

In: 45.990+/-209.828 $\chi^2$/NDF:28.3/24

Out: 873.152+/-205.021 $\chi^2$/NDF:55.2/26

All: 469.154+/-146.642 $\chi^2$/NDF: 91.4/51

# asym_sam_24_68_dd_rms vs Slug, Sign Corrected




Right In: 2719.133+/-2.467 $\chi^2$/NDF: 8793.3/1

Left Out: 870.853+/-0.145 $\chi^2$/NDF:651805.6/24

Right Out: 3110.720+/-1.982 $\chi^2$/NDF: 945.0/1

Left In: 873.902+/-0.149 $\chi^2$/NDF:583344.5/22

Left: 872.344+/-0.104 $\chi^2$/NDF: 1235365.2/47

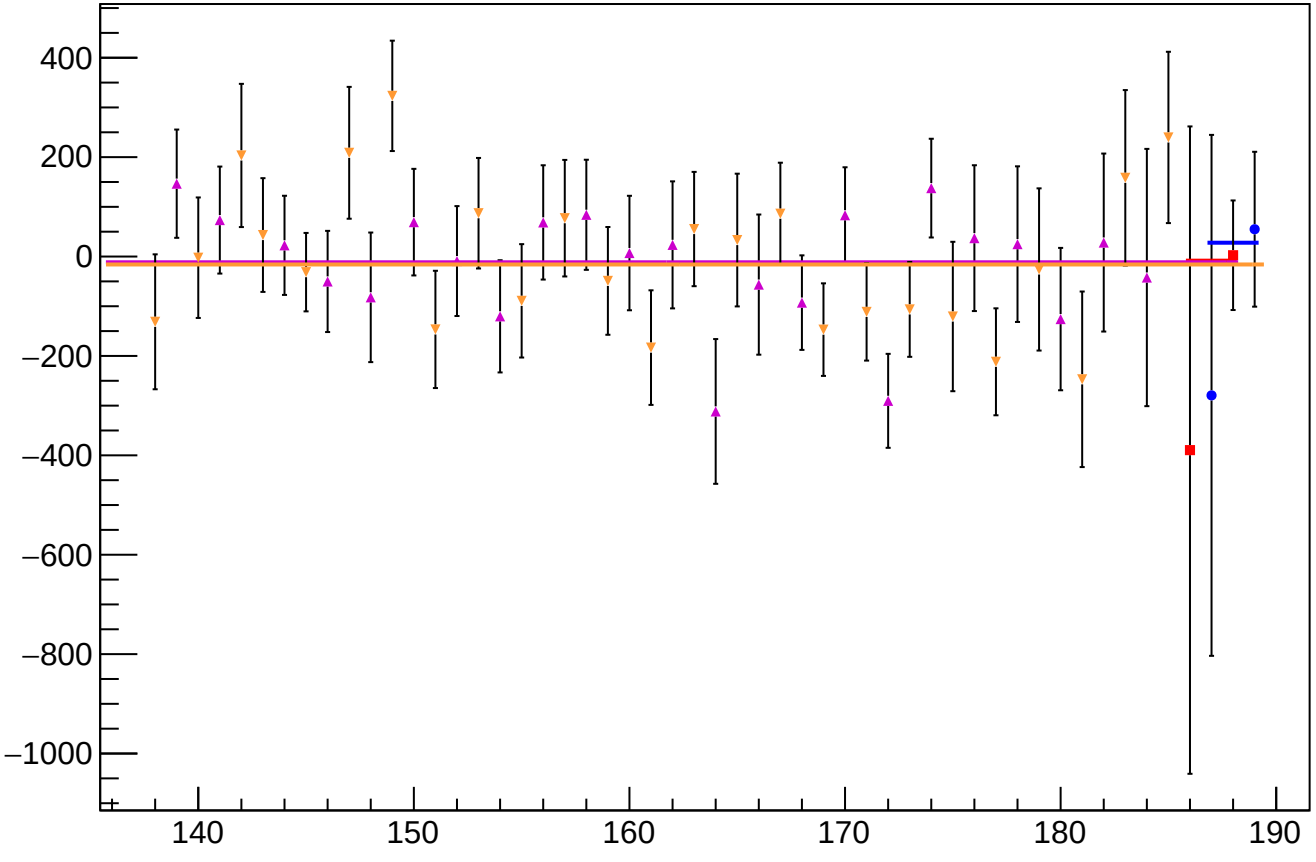
Right: 2957.116+/-1.545 $\chi^2$/NDF: 25051.2/3

In: 880.577+/-0.148 $\chi^2$/NDF:1149594.6/24

Out: 882.837+/-0.145 $\chi^2$/NDF:1923150.4/26

All: 881.733+/-0.104 $\chi^2$/NDF: 3072863.8/51

# dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected




Right In: 27.812+/-149.346 $\chi^2$/NDF: 0.4/1

Left Out: -15.956+/-23.377 $\chi^2$/NDF:34.9/24

Right Out: -8.309+/-108.678 $\chi^2$/NDF: 0.4/1

Left In: -11.570+/-24.412 $\chi^2$/NDF:24.0/22

Left: -13.858+/-16.884 $\chi^2$/NDF: 58.9/47

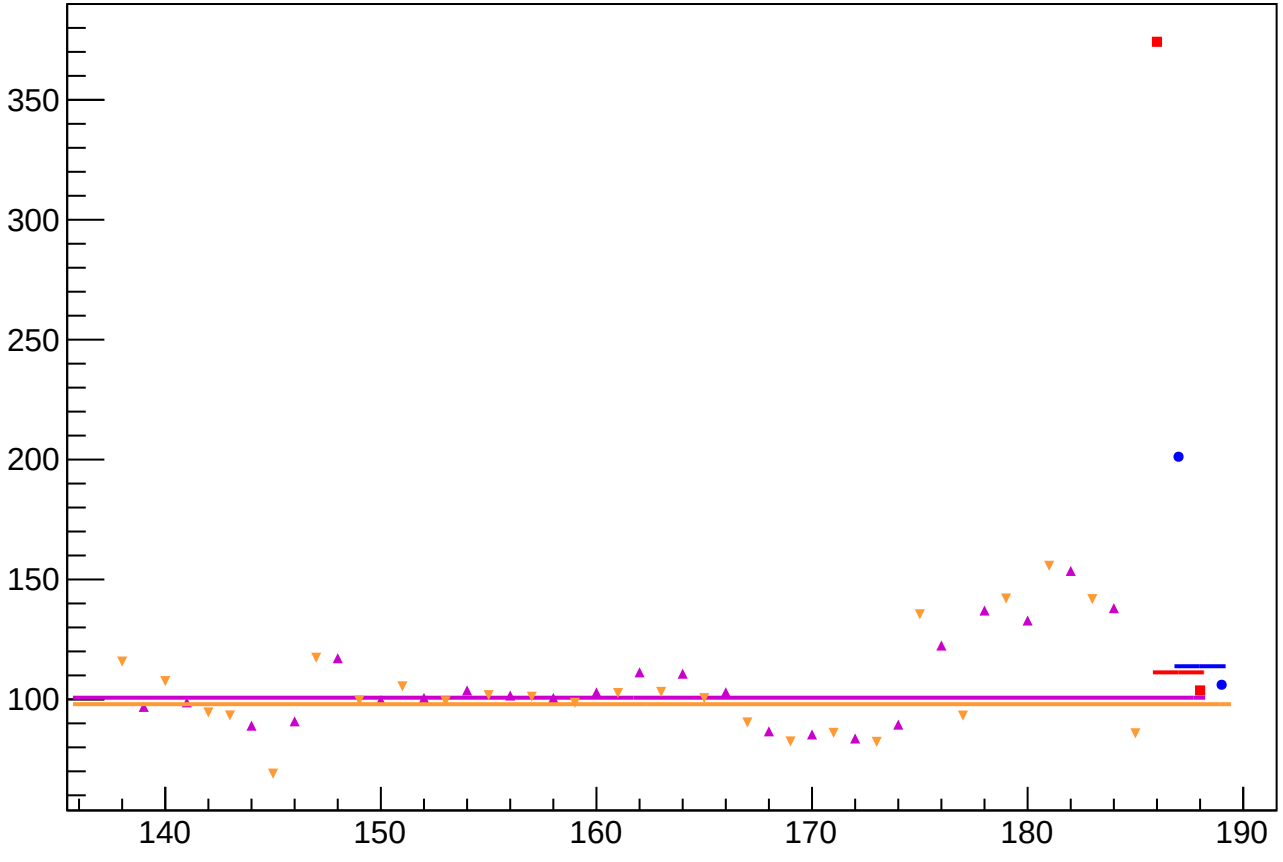
Right: 4.196+/-87.874 $\chi^2$/NDF: 0.8/3

In: -10.545+/-24.092 $\chi^2$/NDF:24.4/24

Out: -15.617+/-22.854 $\chi^2$/NDF:35.3/26

All: -13.215+/-16.581 $\chi^2$/NDF: 59.7/51

# dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected




Right In: 113.819+/-0.106 $\chi^2$/NDF: 60481.0/1

Left Out: 98.001+/-0.017 $\chi^2$/NDF:1155021.9/24

Right Out: 111.265+/-0.077 $\chi^2$/NDF: 335360.1/1

Left In: 100.704+/-0.017 $\chi^2$/NDF:759922.8/22

Left: 99.294+/-0.012 $\chi^2$/NDF: 1927728.9/47

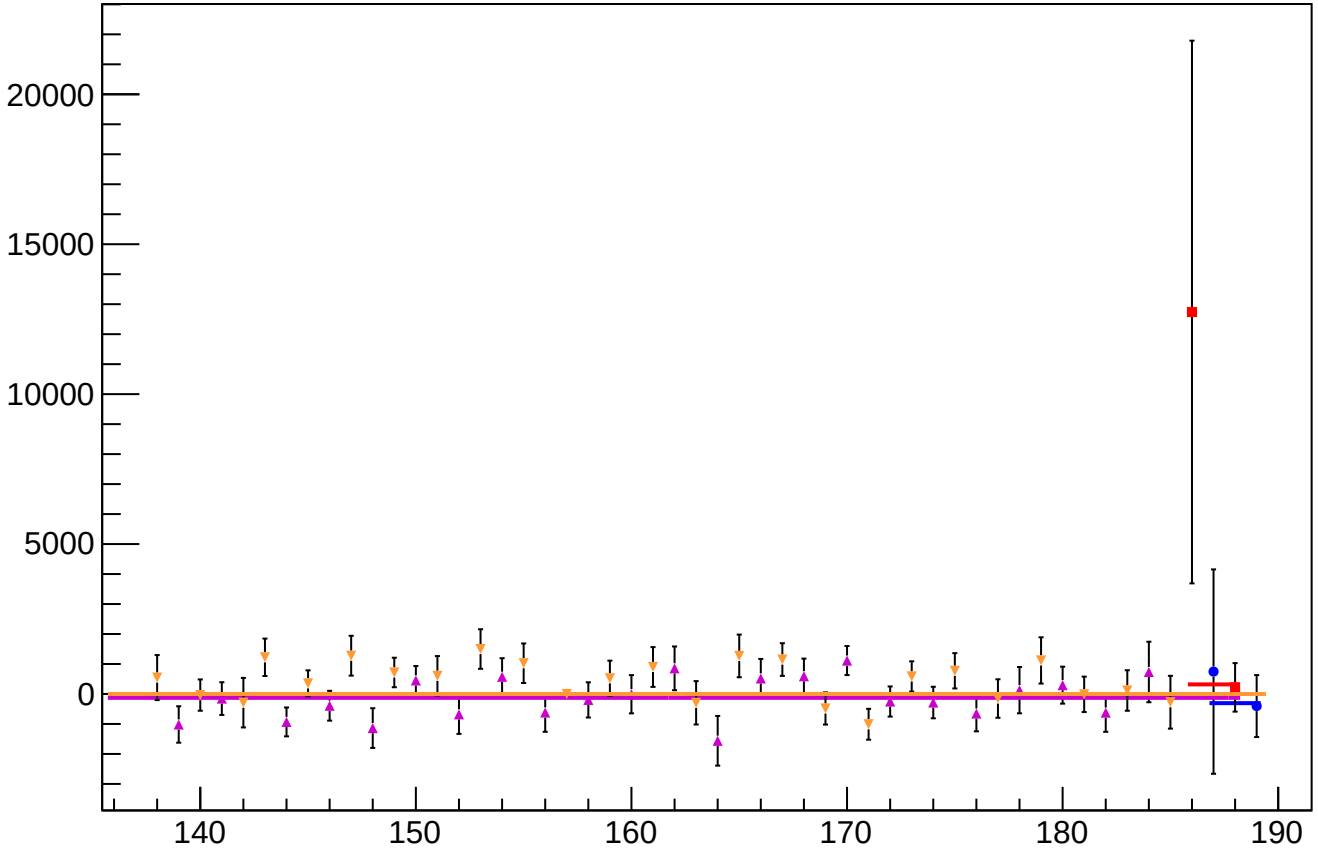
Right: 112.149+/-0.062 $\chi^2$/NDF: 396223.6/3

In: 101.045+/-0.017 $\chi^2$/NDF:835427.1/24

Out: 98.588+/-0.016 $\chi^2$/NDF:1518854.0/26

All: 99.752+/-0.012 $\chi^2$/NDF: 2365230.4/51

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected




Right In: -305.795+/-989.348 $\chi^2$/NDF: 0.1/1

Left Out: -0.000+/-0.000 $\chi^2$/NDF:39.9/24

Right Out: 319.826+/-805.841 $\chi^2$/NDF: 1.9/1

Left In: -129.094+/-124.247 $\chi^2$/NDF:28.3/22

Left: -0.000+/-0.000 $\chi^2$/NDF: 69.3/47

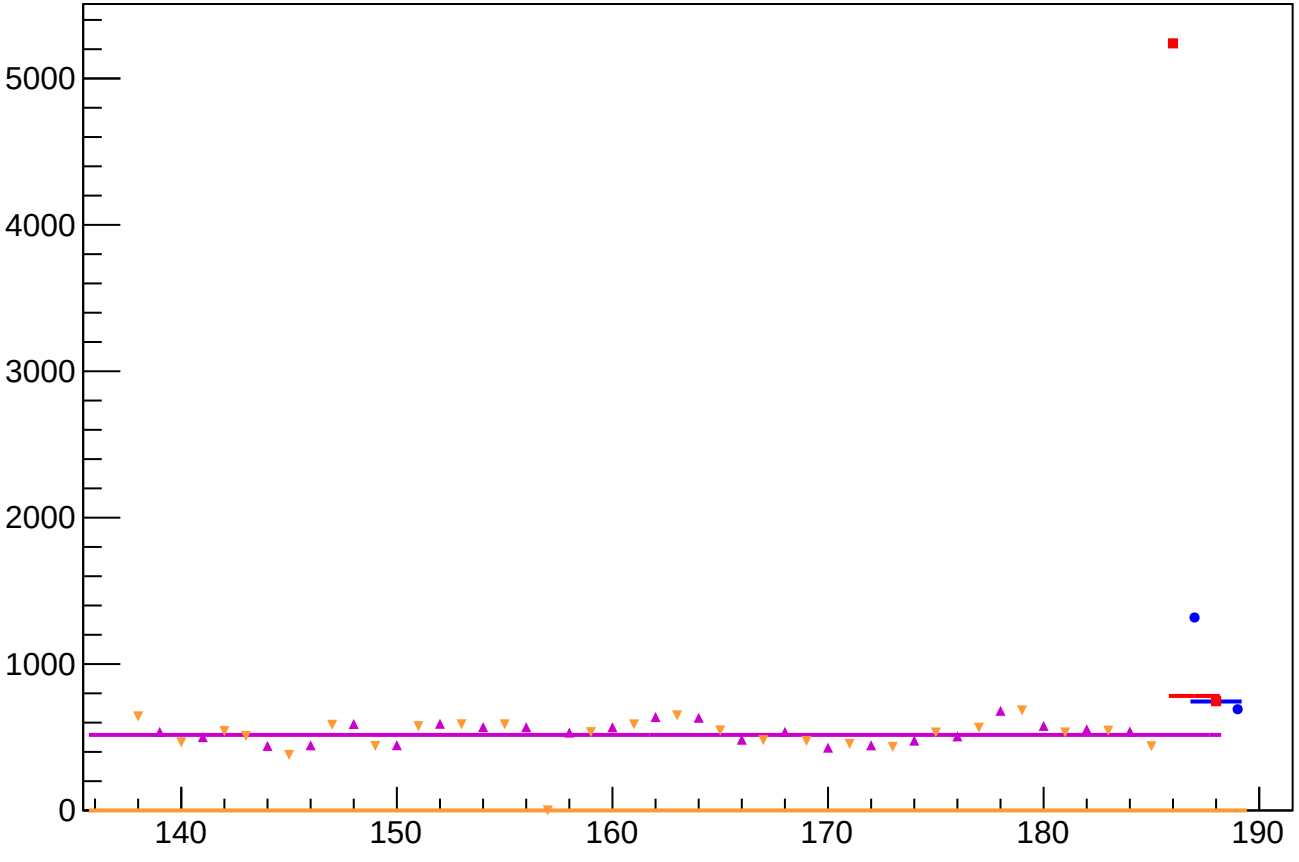
Right: 70.306+/-624.807 $\chi^2$/NDF: 2.2/3

In: -131.838+/-123.278 $\chi^2$/NDF:28.5/24

Out: -0.000+/-0.000 $\chi^2$/NDF:41.9/26

All: -0.000+/-0.000 $\chi^2$/NDF: 71.5/51

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected




Right In: 744.303+/-0.700 $\chi^2$/NDF: 61878.1/1

Left Out: 0.000+/-0.000 $\chi^2$/NDF:34974091.9/24

Right Out: 782.246+/-0.570 $\chi^2$/NDF: 489113.9/1

Left In: 516.120+/-0.088 $\chi^2$/NDF:571744.7/22

Left: 0.000+/-0.000 $\chi^2$/NDF: 70057167.0/47

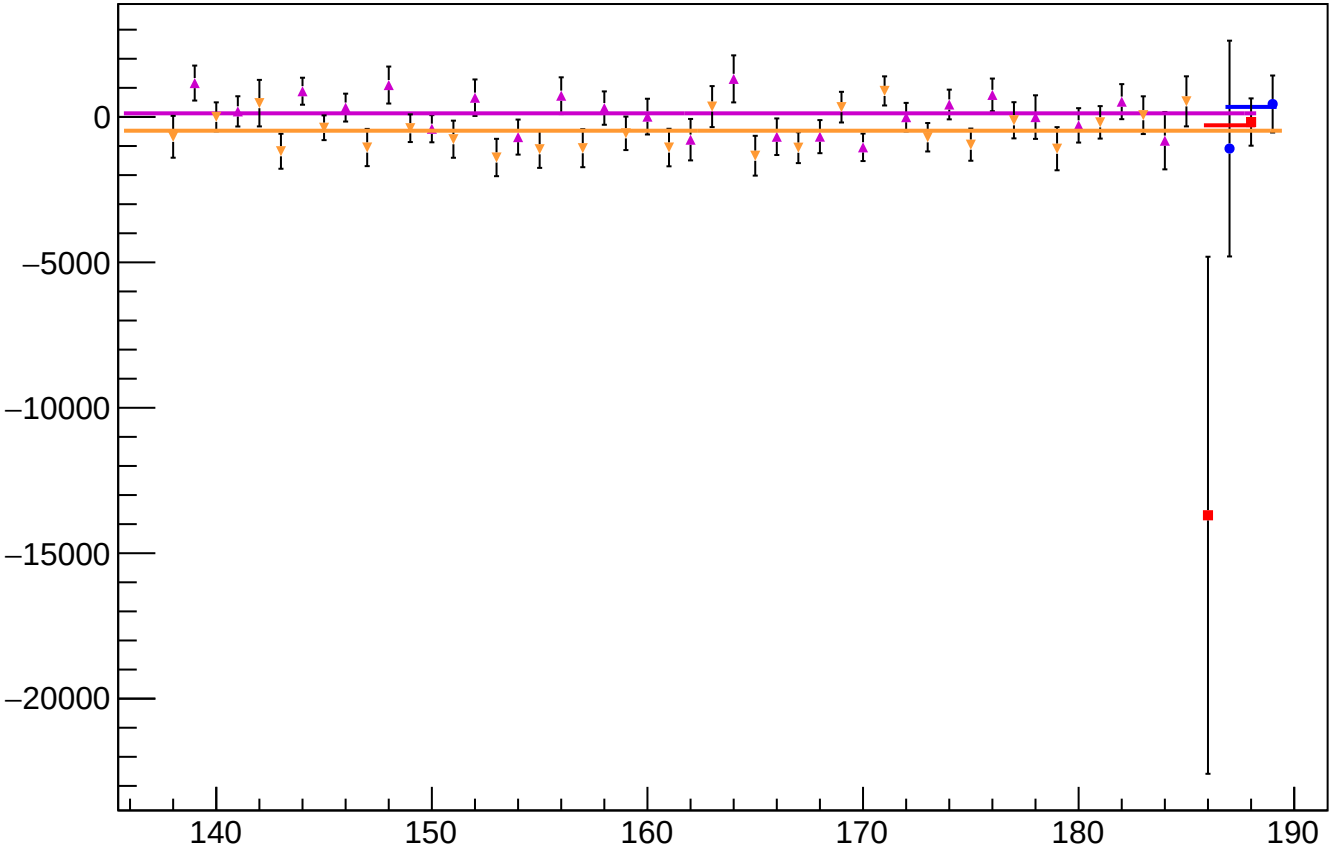
Right: 767.113+/-0.442 $\chi^2$/NDF: 552760.4/3

In: 519.663+/-0.087 $\chi^2$/NDF:738360.7/24

Out: 0.000+/-0.000 $\chi^2$/NDF:37347801.2/26

All: 0.000+/-0.000 $\chi^2$/NDF: 73624717.2/51

# asym_sam_26_48_dd_mean vs Slug, Sign Corrected




Right In: 344.326+/-947.183 $\chi^2$/NDF: 0.2/1

Left Out: -473.870+/-117.977 $\chi^2$/NDF:27.9/24

Right Out: -287.613+/-809.898 $\chi^2$/NDF: 2.3/1

Left In: 124.022+/-120.216 $\chi^2$/NDF:30.2/22

Left: -180.543+/-84.203 $\chi^2$/NDF: 70.7/47

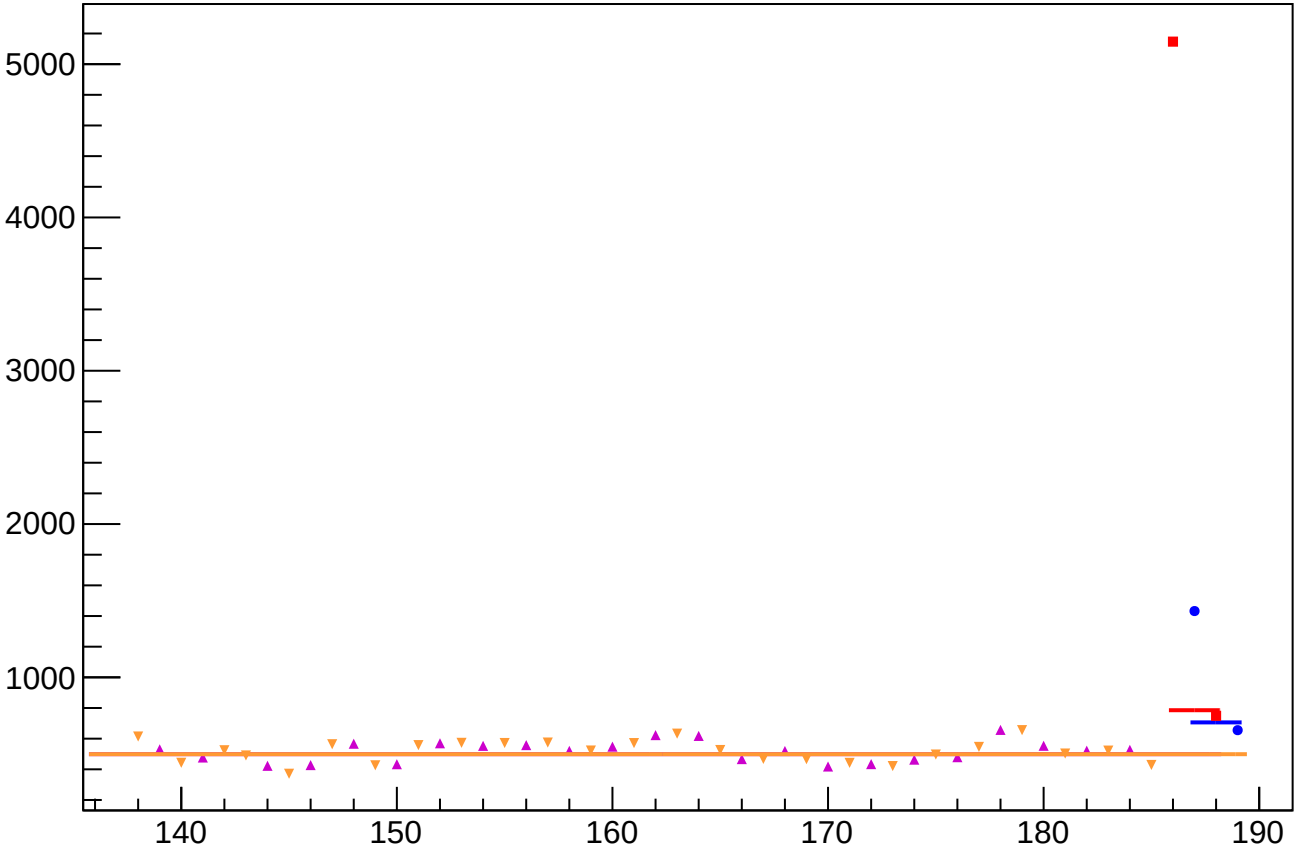
Right: -20.718+/-615.553 $\chi^2$/NDF: 2.7/3

In: 127.514+/-119.259 $\chi^2$/NDF:30.4/24

Out: -470.000+/-116.745 $\chi^2$/NDF:30.3/26

All: -177.608+/-83.426 $\chi^2$/NDF: 73.5/51

# asym_sam_26_48_dd_rms vs Slug, Sign Corrected




Right In: 706.045+/-0.670 $\chi^2$/NDF: 82030.2/1

Left Out: 498.662+/-0.083 $\chi^2$/NDF:734652.4/24

Right Out: 785.543+/-0.573 $\chi^2$/NDF: 485568.5/1

Left In: 498.835+/-0.085 $\chi^2$/NDF:572334.3/22

Left: 498.747+/-0.060 $\chi^2$/NDF: 1306988.8/47

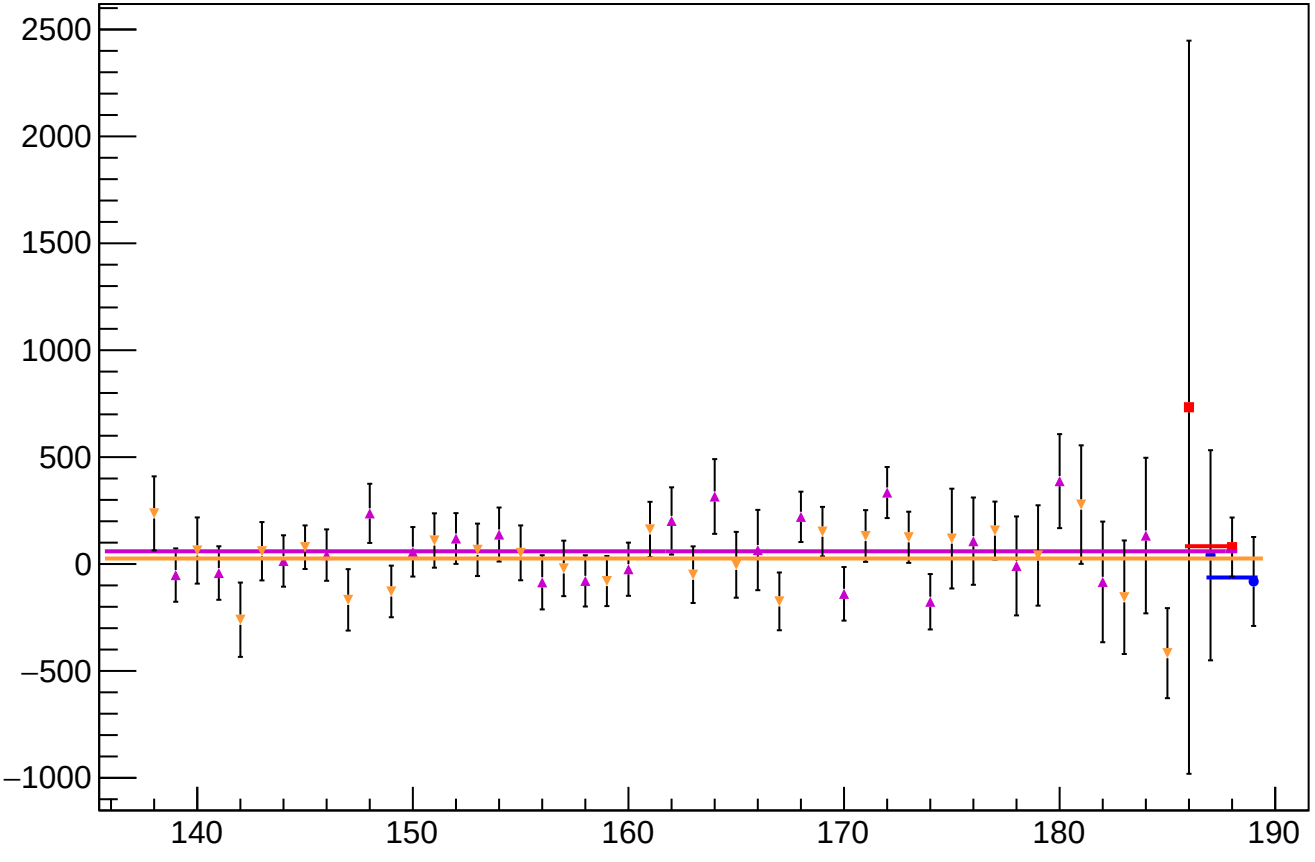
Right: 751.968+/-0.435 $\chi^2$/NDF: 575737.1/3

In: 502.120+/-0.084 $\chi^2$/NDF:748563.4/24

Out: 504.623+/-0.083 $\chi^2$/NDF:1465947.5/26

All: 503.398+/-0.059 $\chi^2$/NDF: 2214960.9/51

# dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected




Right In: -62.956+/-191.574 $\chi^2$/NDF: 0.1/1

Left Out: 25.940+/-28.120 $\chi^2$/NDF:22.7/24

Right Out: 83.270+/-138.062 $\chi^2$/NDF: 0.1/1

Left In: 59.603+/-29.184 $\chi^2$/NDF:25.6/22

Left: 42.147+/-20.250 $\chi^2$/NDF: 49.0/47

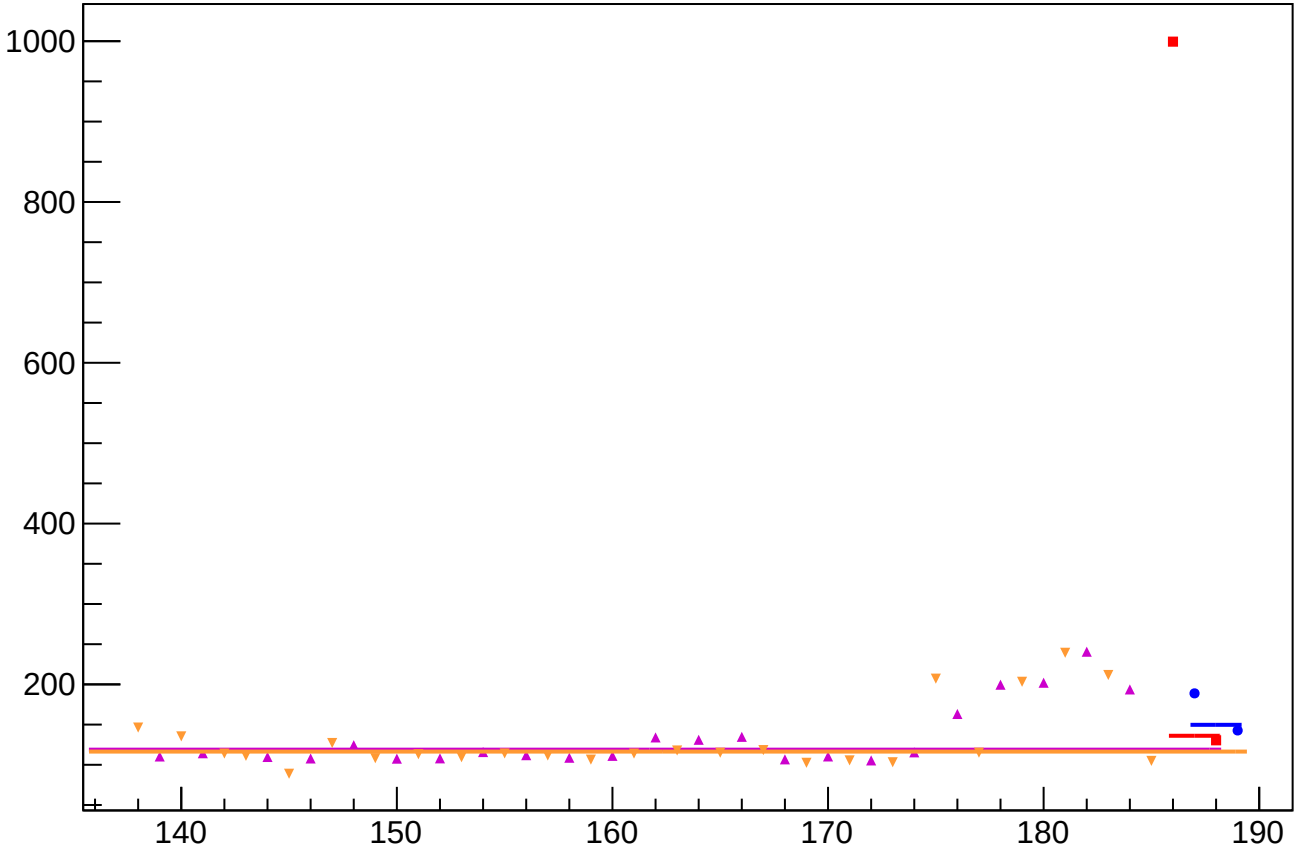
Right: 33.285+/-112.006 $\chi^2$/NDF: 0.6/3

In: 56.824+/-28.851 $\chi^2$/NDF:26.1/24

Out: 28.223+/-27.555 $\chi^2$/NDF:23.0/26

All: 41.867+/-19.927 $\chi^2$/NDF: 49.6/51

# dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected




Right In: 149.714+/-0.135 $\chi^2$/NDF: 14952.8/1

Left Out: 116.427+/-0.020 $\chi^2$/NDF:1589669.4/24

Right Out: 136.092+/-0.098 $\chi^2$/NDF: 510505.9/1

Left In: 118.822+/-0.021 $\chi^2$/NDF:1289178.7/22

Left: 117.580+/-0.014 $\chi^2$/NDF: 2885830.3/47

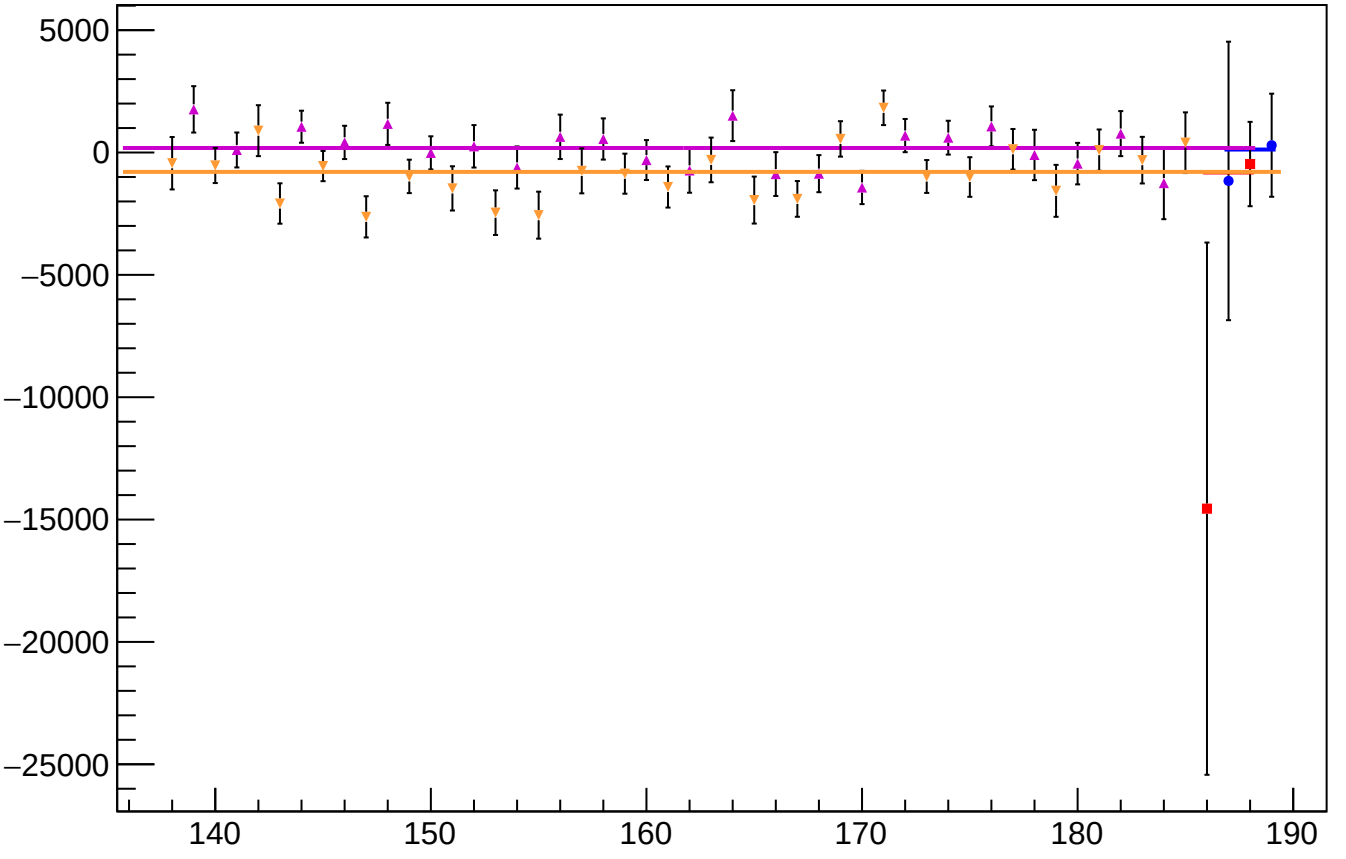
Right: 140.749+/-0.079 $\chi^2$/NDF: 532113.7/3

In: 119.523+/-0.020 $\chi^2$/NDF:1354957.4/24

Out: 117.211+/-0.019 $\chi^2$/NDF:2139134.7/26

All: 118.313+/-0.014 $\chi^2$/NDF: 3500808.2/51

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected




Right In: 122.063+/-1975.498 $\chi^2$/NDF: 0.1/1

Left Out: -791.963+/-165.971 $\chi^2$/NDF:43.6/24

Right Out: -815.614+/-1701.973 $\chi^2$/NDF: 1.6/1

Left In: 185.191+/-169.174 $\chi^2$/NDF:23.4/22

Left: -312.725+/-118.475 $\chi^2$/NDF: 84.0/47

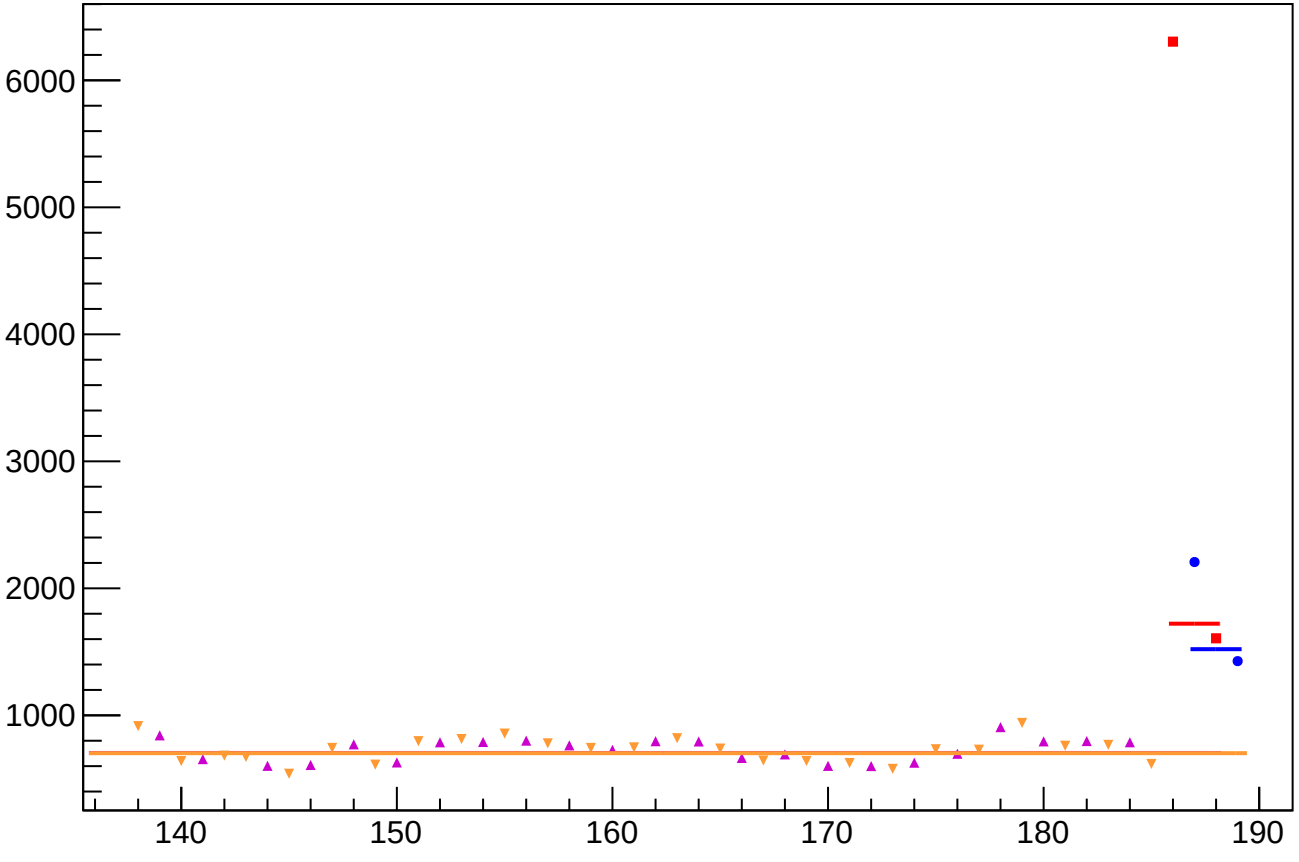
Right: -416.135+/-1289.428 $\chi^2$/NDF: 1.8/3

In: 184.731+/-168.557 $\chi^2$/NDF:23.5/24

Out: -792.186+/-165.187 $\chi^2$/NDF:45.2/26

All: -313.591+/-117.978 $\chi^2$/NDF: 85.9/51

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected




Right In: 1520.933+/-1.397 $\chi^2$/NDF: 33063.5/1

Left Out: 702.152+/-0.117 $\chi^2$/NDF:691552.2/24

Right Out: 1721.632+/-1.203 $\chi^2$/NDF: 364068.5/1

Left In: 703.710+/-0.120 $\chi^2$/NDF:533573.3/22

Left: 702.916+/-0.084 $\chi^2$/NDF: 1225211.9/47

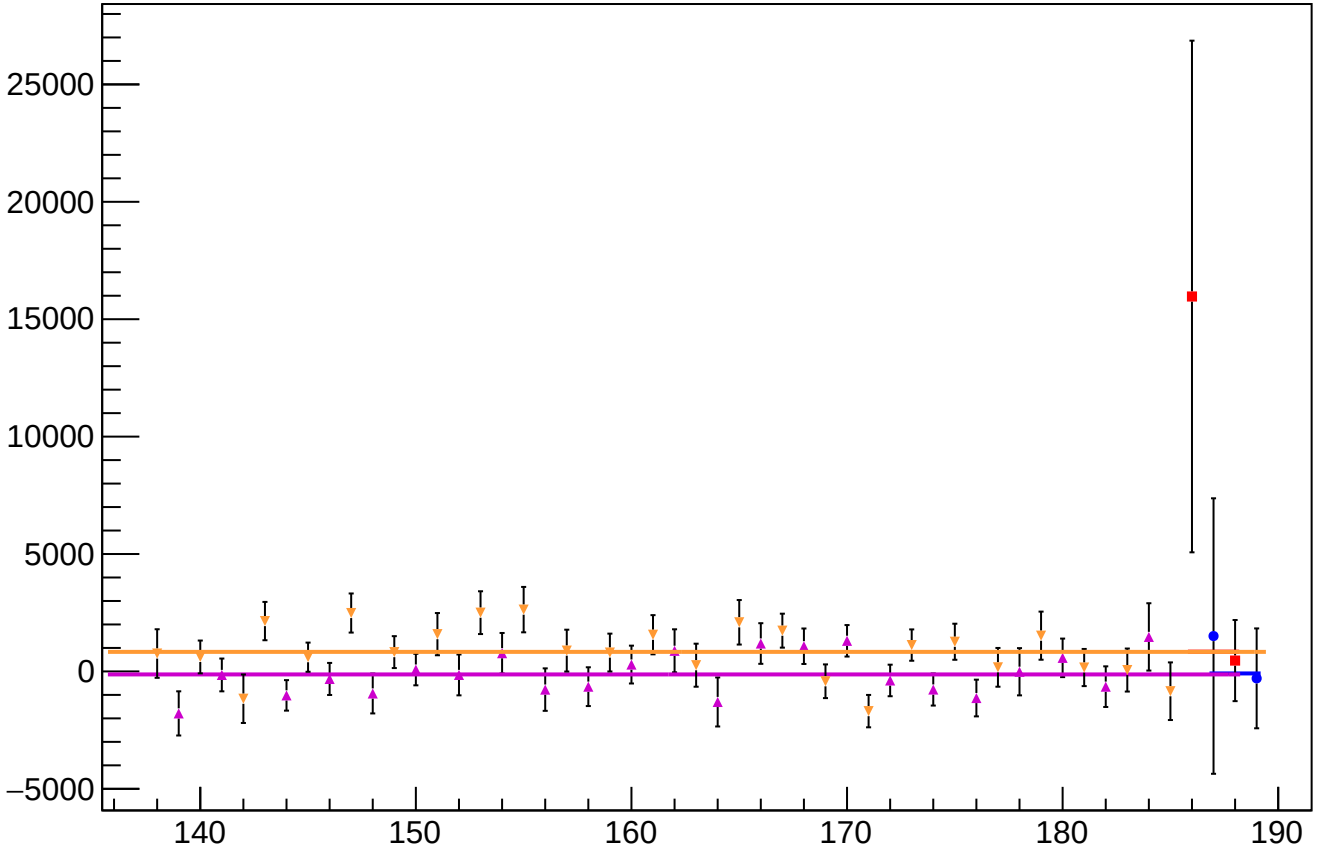
Right: 1636.128+/-0.912 $\chi^2$/NDF: 408980.3/3

In: 709.659+/-0.119 $\chi^2$/NDF:906407.0/24

Out: 711.755+/-0.117 $\chi^2$/NDF:1766461.0/26

All: 710.728+/-0.083 $\chi^2$/NDF: 2673025.7/51

# asym_sam_1548_avg_mean vs Slug, Sign Corrected




Right In: -86.056+/-1999.529 $\chi^2$/NDF: 0.1/1

Left Out: 832.553+/-163.428 $\chi^2$/NDF:43.8/24

Right Out: 842.082+/-1706.241 $\chi^2$/NDF: 2.0/1

Left In: -128.120+/-166.866 $\chi^2$/NDF:25.3/22

Left: 362.214+/-116.758 $\chi^2$/NDF: 86.0/47

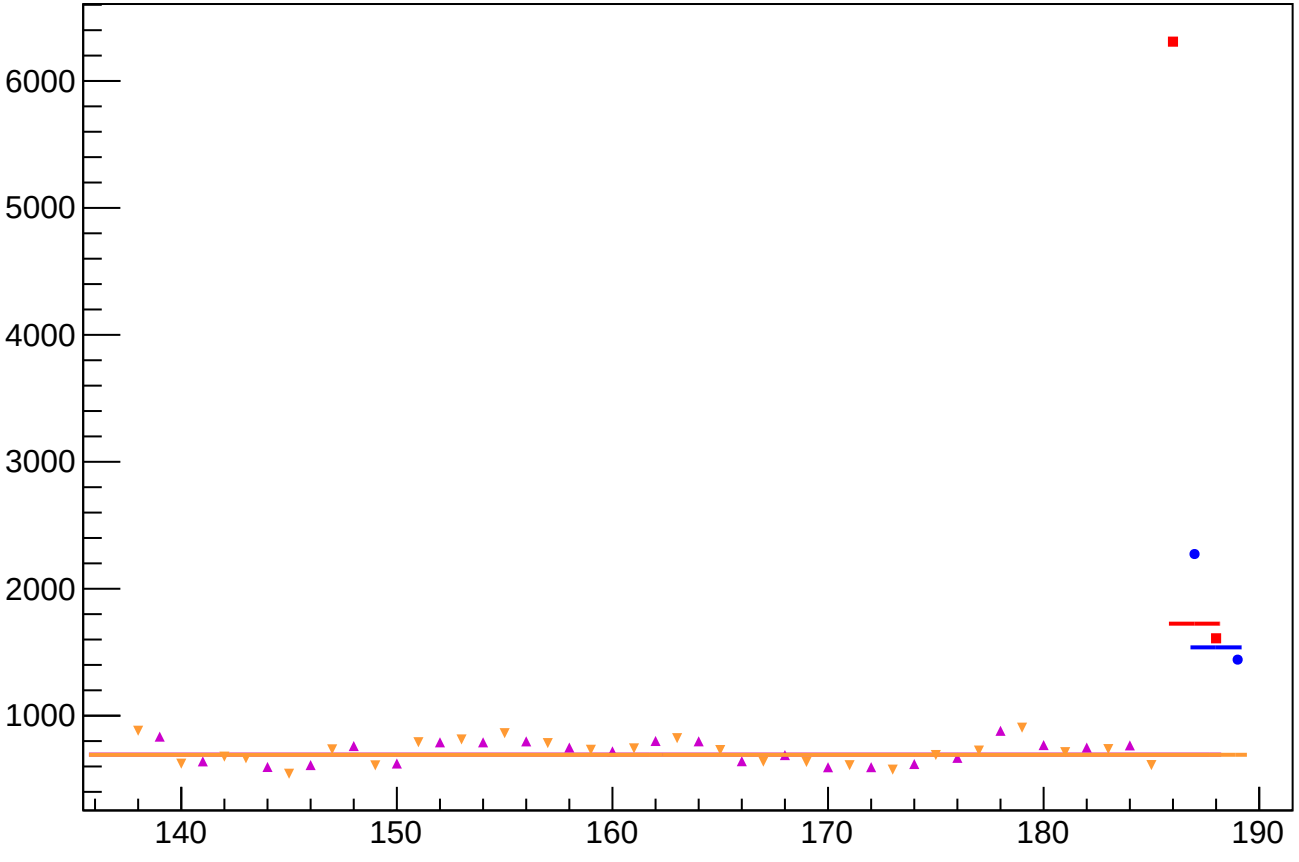
Right: 451.012+/-1297.923 $\chi^2$/NDF: 2.2/3

In: -127.829+/-166.288 $\chi^2$/NDF:25.4/24

Out: 832.640+/-162.684 $\chi^2$/NDF:45.8/26

All: 362.927+/-116.288 $\chi^2$/NDF: 88.2/51

# asym_sam_1548_avg_rms vs Slug, Sign Corrected




Right In: 1538.277+/-1.414 $\chi^2$/NDF: 35542.6/1

Left Out: 692.071+/-0.116 $\chi^2$/NDF:657636.6/24

Right Out: 1724.953+/-1.206 $\chi^2$/NDF: 363064.3/1

Left In: 693.615+/-0.118 $\chi^2$/NDF:520692.6/22

Left: 692.827+/-0.083 $\chi^2$/NDF: 1178416.7/47

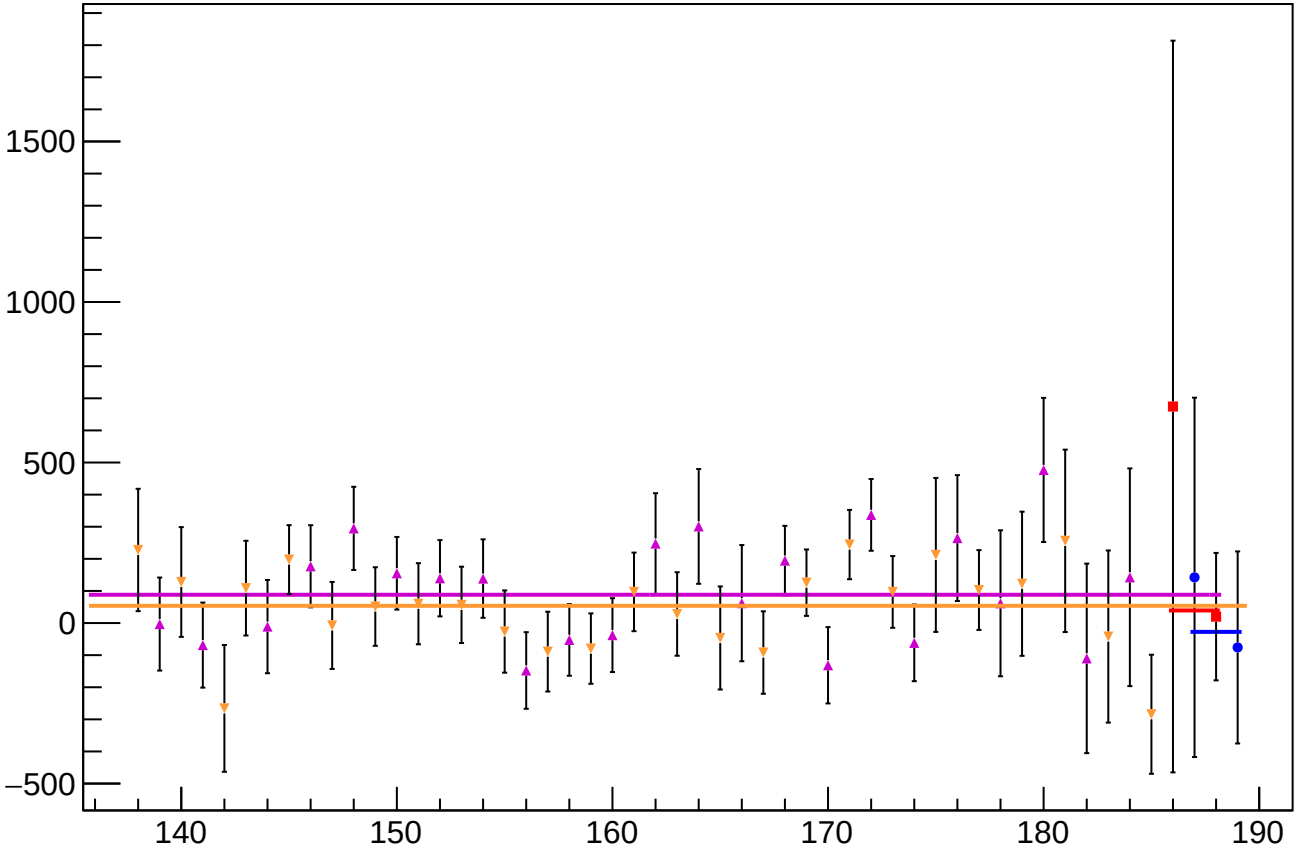
Right: 1646.297+/-0.918 $\chi^2$/NDF: 408694.0/3

In: 699.457+/-0.118 $\chi^2$/NDF:910661.8/24

Out: 701.460+/-0.115 $\chi^2$/NDF:1746948.1/26

All: 700.481+/-0.082 $\chi^2$/NDF: 2657758.3/51

# dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected




Right In: -27.494+/-263.792 $\chi^2$/NDF: 0.1/1

Left Out: 53.701+/-27.462 $\chi^2$/NDF:19.2/24

Right Out: 39.206+/-195.510 $\chi^2$/NDF: 0.3/1

Left In: 88.085+/-28.764 $\chi^2$/NDF:30.4/22

Left: 70.097+/-19.863 $\chi^2$/NDF: 50.3/47

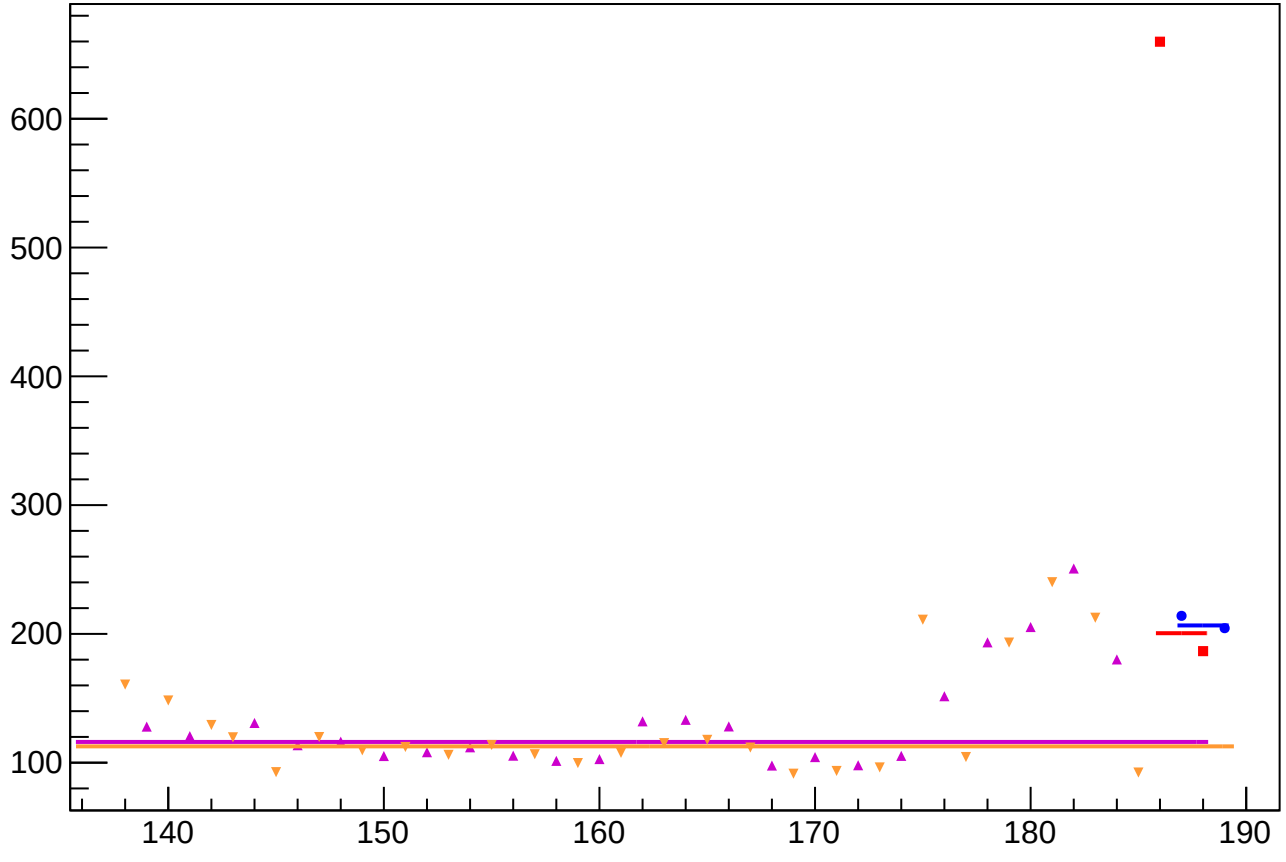
Right: 15.558+/-157.073 $\chi^2$/NDF: 0.5/3

In: 86.727+/-28.594 $\chi^2$/NDF:30.7/24

Out: 53.421+/-27.195 $\chi^2$/NDF:19.5/26

All: 69.239+/-19.706 $\chi^2$/NDF: 50.9/51

# dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected




Right In: 206.569+/-0.187 $\chi^2$/NDF: 455.7/1

Left Out: 112.668+/-0.019 $\chi^2$/NDF:1851455.7/24

Right Out: 200.543+/-0.138 $\chi^2$/NDF: 334723.9/1

Left In: 116.108+/-0.020 $\chi^2$/NDF:1438879.3/22

Left: 114.308+/-0.014 $\chi^2$/NDF: 3305297.3/47

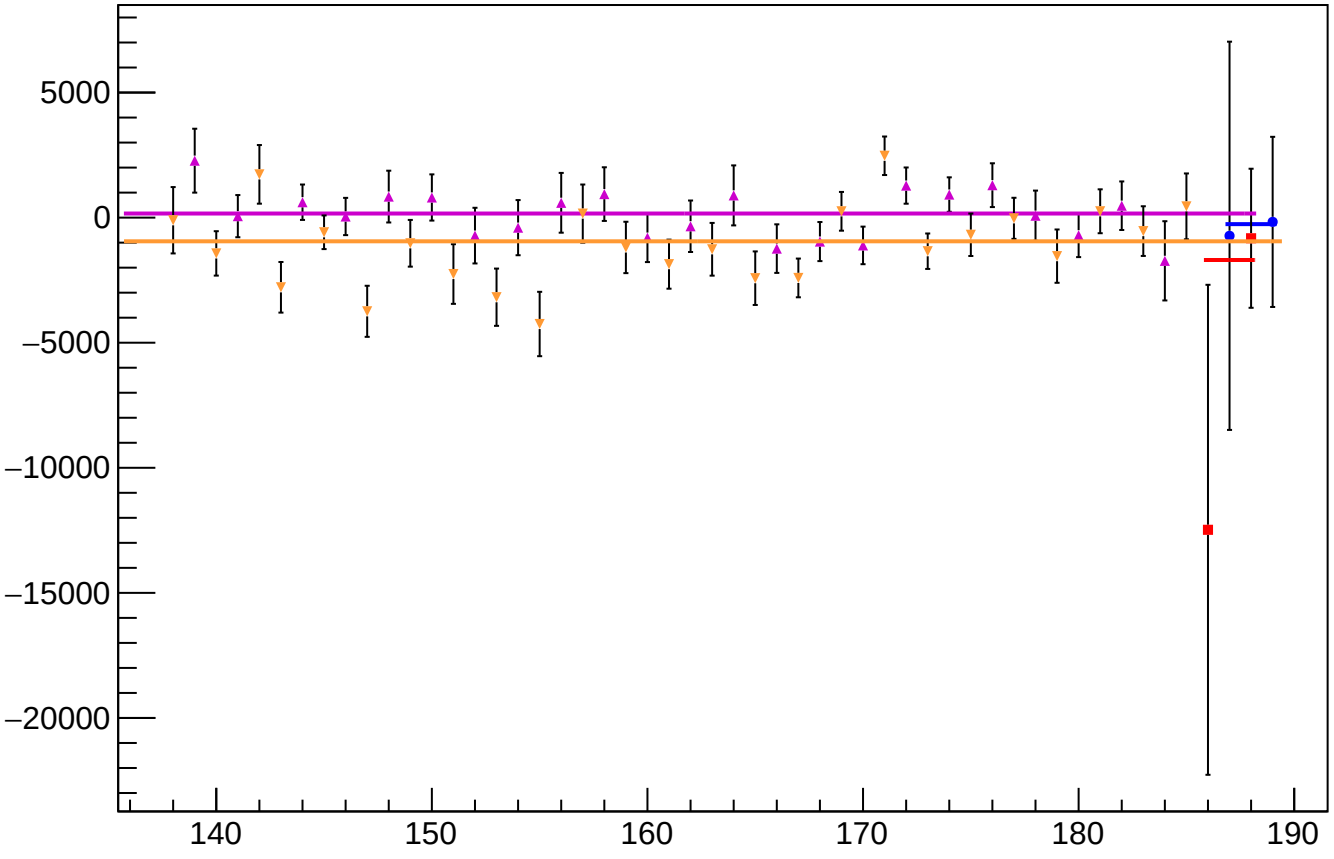
Right: 202.680+/-0.111 $\chi^2$/NDF: 335853.2/3

In: 117.171+/-0.020 $\chi^2$/NDF:1671770.1/24

Out: 114.368+/-0.019 $\chi^2$/NDF:2582400.2/26

All: 115.699+/-0.014 $\chi^2$/NDF: 4264256.7/51

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected




Right In: -259.977+/-3114.737 $\chi^2$/NDF: 0.0/1

Left Out: -946.412+/-188.668 $\chi^2$/NDF:63.3/24

Right Out: -1693.615+/-2673.875 $\chi^2$/NDF: 1.3/1

Left In: 164.202+/-191.131 $\chi^2$/NDF:22.0/22

Left: -398.306+/-134.271 $\chi^2$/NDF: 102.4/47

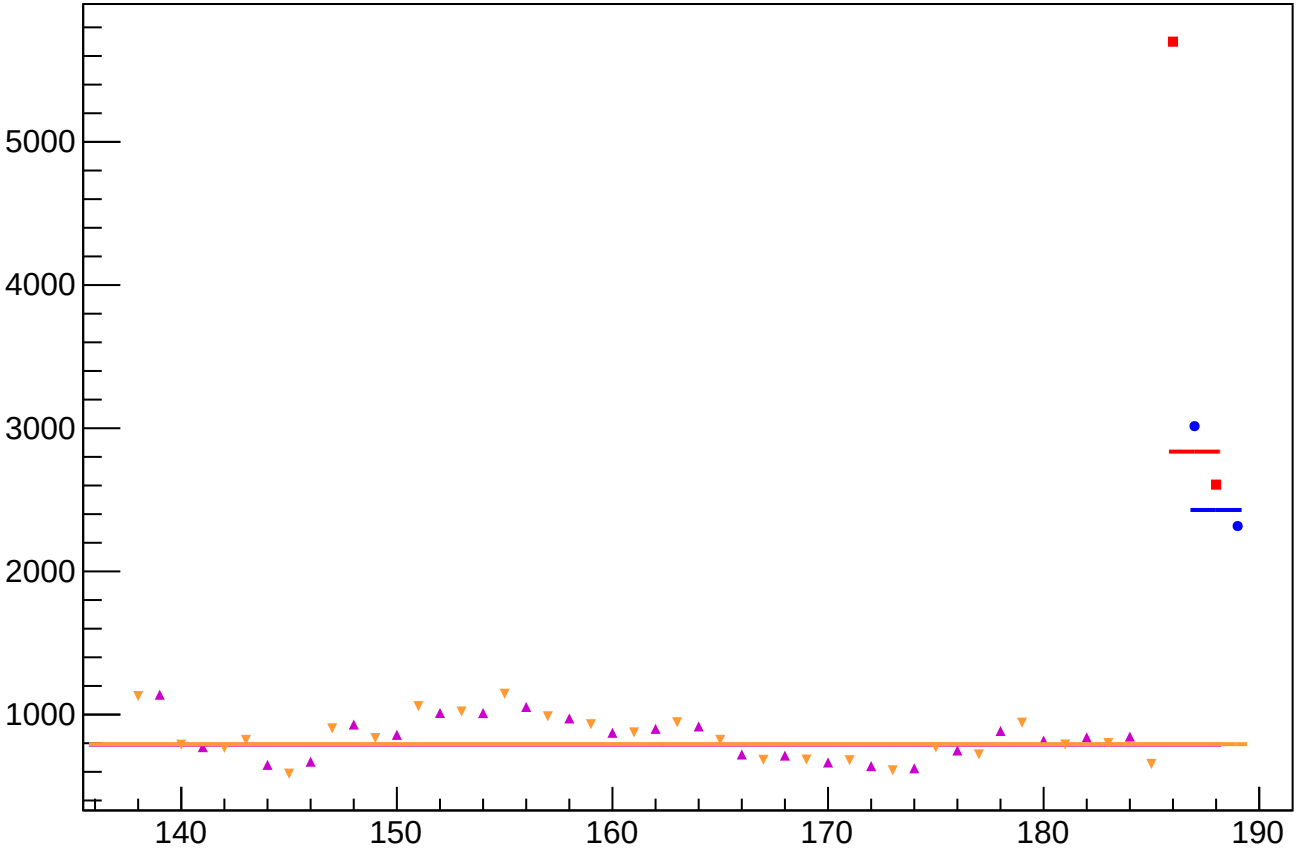
Right: -1085.353+/-2028.837 $\chi^2$/NDF: 1.4/3

In: 162.610+/-190.772 $\chi^2$/NDF:22.1/24

Out: -950.114+/-188.200 $\chi^2$/NDF:64.7/26

All: -401.302+/-133.978 $\chi^2$/NDF: 104.0/51

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected




Right In: 2429.118+/-2.202 $\chi^2$/NDF: 13571.3/1

Left Out: 793.154+/-0.133 $\chi^2$/NDF:1158856.1/24

Right Out: 2836.725+/-1.891 $\chi^2$/NDF: 184731.4/1

Left In: 789.699+/-0.135 $\chi^2$/NDF:1019959.0/22

Left: 791.449+/-0.095 $\chi^2$/NDF: 2179146.2/47

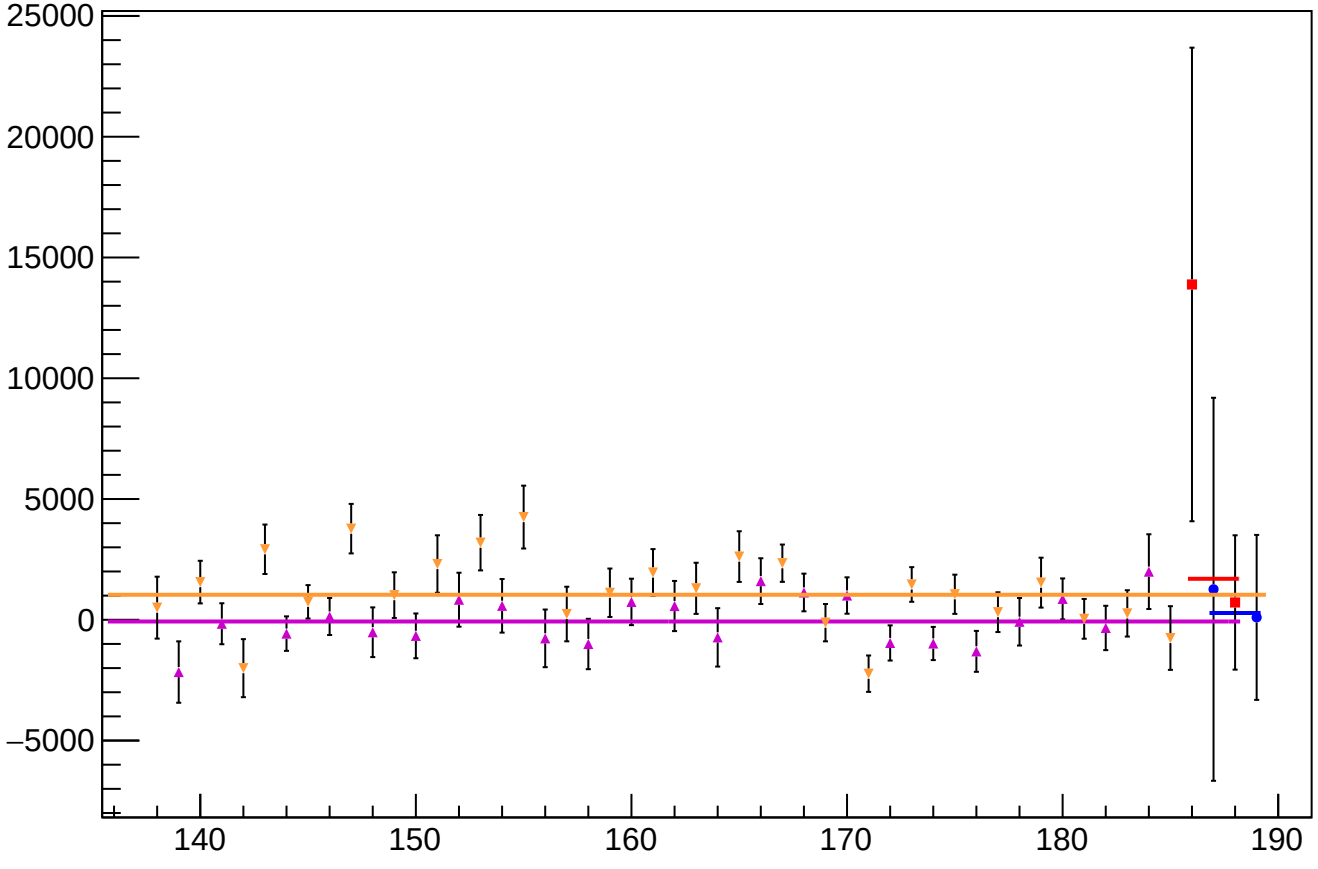
Right: 2663.786+/-1.435 $\chi^2$/NDF: 218021.6/3

In: 795.849+/-0.135 $\chi^2$/NDF:1585525.3/24

Out: 803.278+/-0.133 $\chi^2$/NDF:2506026.5/26

All: 799.614+/-0.095 $\chi^2$/NDF: 4093089.0/51

# asym_sam_3748_avg_mean vs Slug, Sign Corrected




Right In: 281.028+/-3136.701 $\chi^2$/NDF: 0.0/1

Left Out: 1035.605+/-187.244 $\chi^2$/NDF:61.4/24

Right Out: 1697.609+/-2675.410 $\chi^2$/NDF: 1.7/1

Left In: -70.852+/-190.155 $\chi^2$/NDF:23.4/22

Left: 490.913+/-133.419 $\chi^2$/NDF: 101.9/47

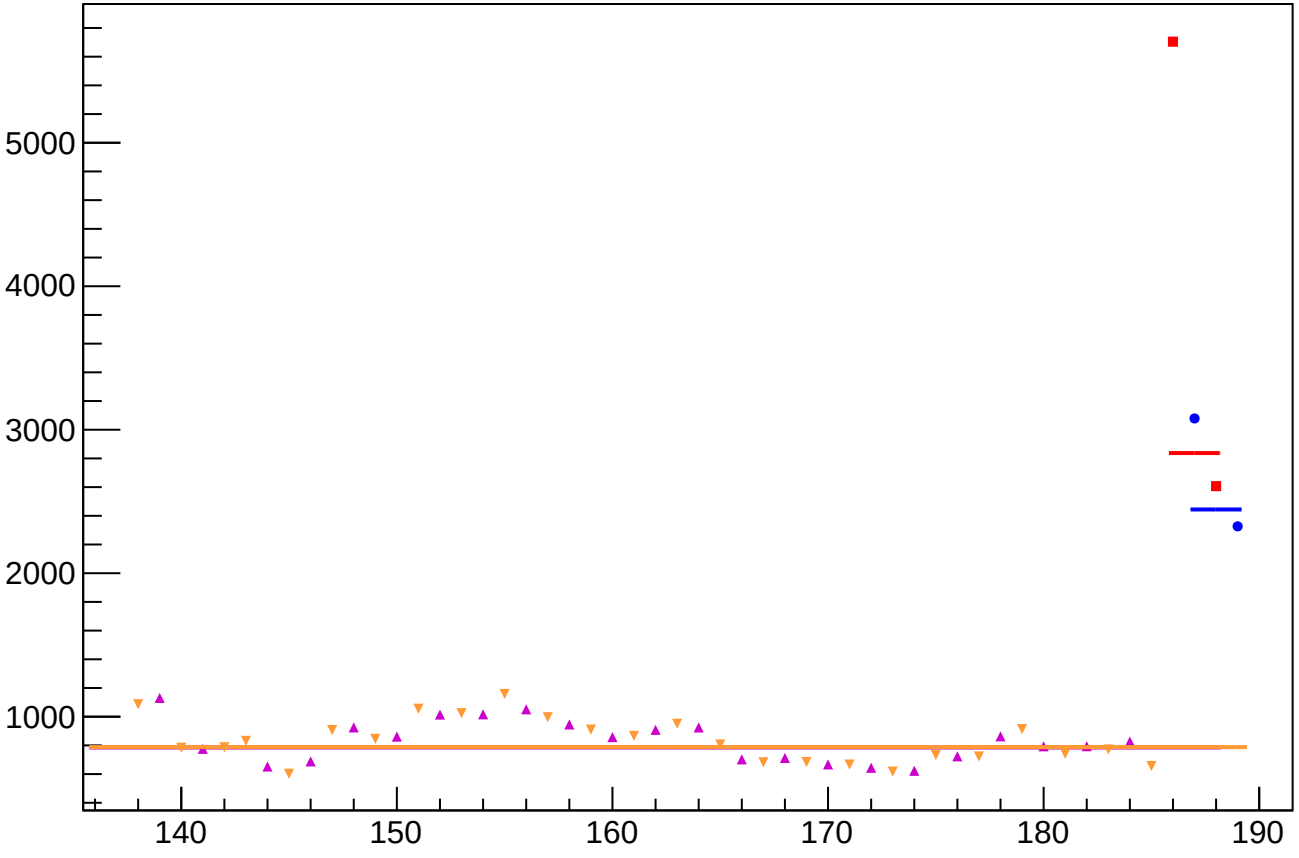
Right: 1101.045+/-2035.546 $\chi^2$/NDF: 1.8/3

In: -69.563+/-189.807 $\chi^2$/NDF:23.4/24

Out: 1038.831+/-186.787 $\chi^2$/NDF:63.1/26

All: 493.523+/-133.133 $\chi^2$/NDF: 103.8/51

# asym_sam_3748_avg_rms vs Slug, Sign Corrected




Right In: 2444.230+/-2.218 $\chi^2$/NDF: 15169.7/1

Left Out: 787.981+/-0.132 $\chi^2$/NDF:1113986.0/24

Right Out: 2837.518+/-1.892 $\chi^2$/NDF: 184802.9/1

Left In: 785.179+/-0.134 $\chi^2$/NDF:976942.0/22

Left: 786.602+/-0.094 $\chi^2$/NDF: 2091148.6/47

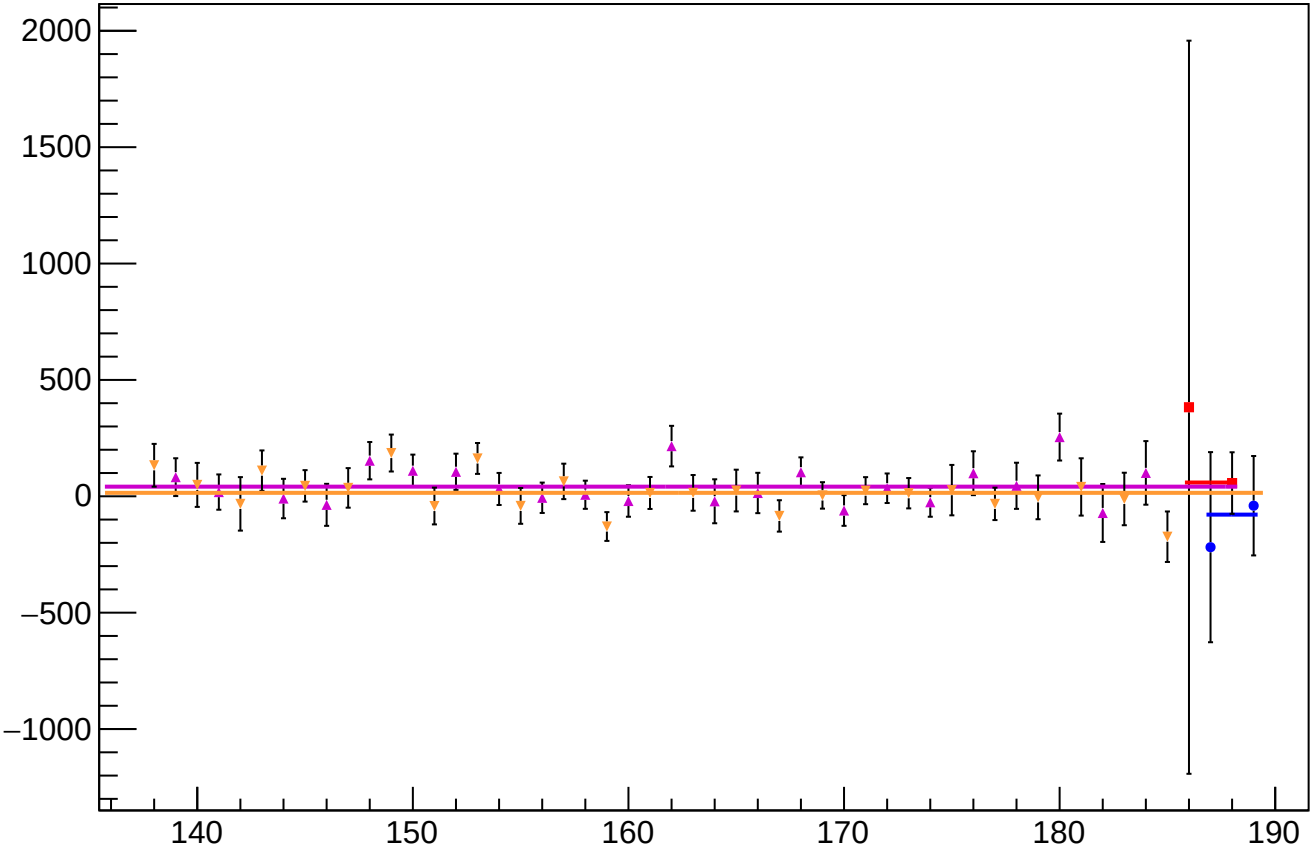
Right: 2671.893+/-1.439 $\chi^2$/NDF: 218173.2/3

In: 791.254+/-0.134 $\chi^2$/NDF:1549567.1/24

Out: 797.971+/-0.132 $\chi^2$/NDF:2466778.6/26

All: 794.666+/-0.094 $\chi^2$/NDF: 4017618.2/51

# dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected




Right In: -78.721+/-189.247 $\chi^2$/NDF: 0.1/1

Left Out: 14.879+/-15.529 $\chi^2$/NDF:25.8/24

Right Out: 59.181+/-131.789 $\chi^2$/NDF: 0.0/1

Left In: 41.428+/-16.130 $\chi^2$/NDF:21.7/22

Left: 27.650+/-11.187 $\chi^2$/NDF: 48.9/47

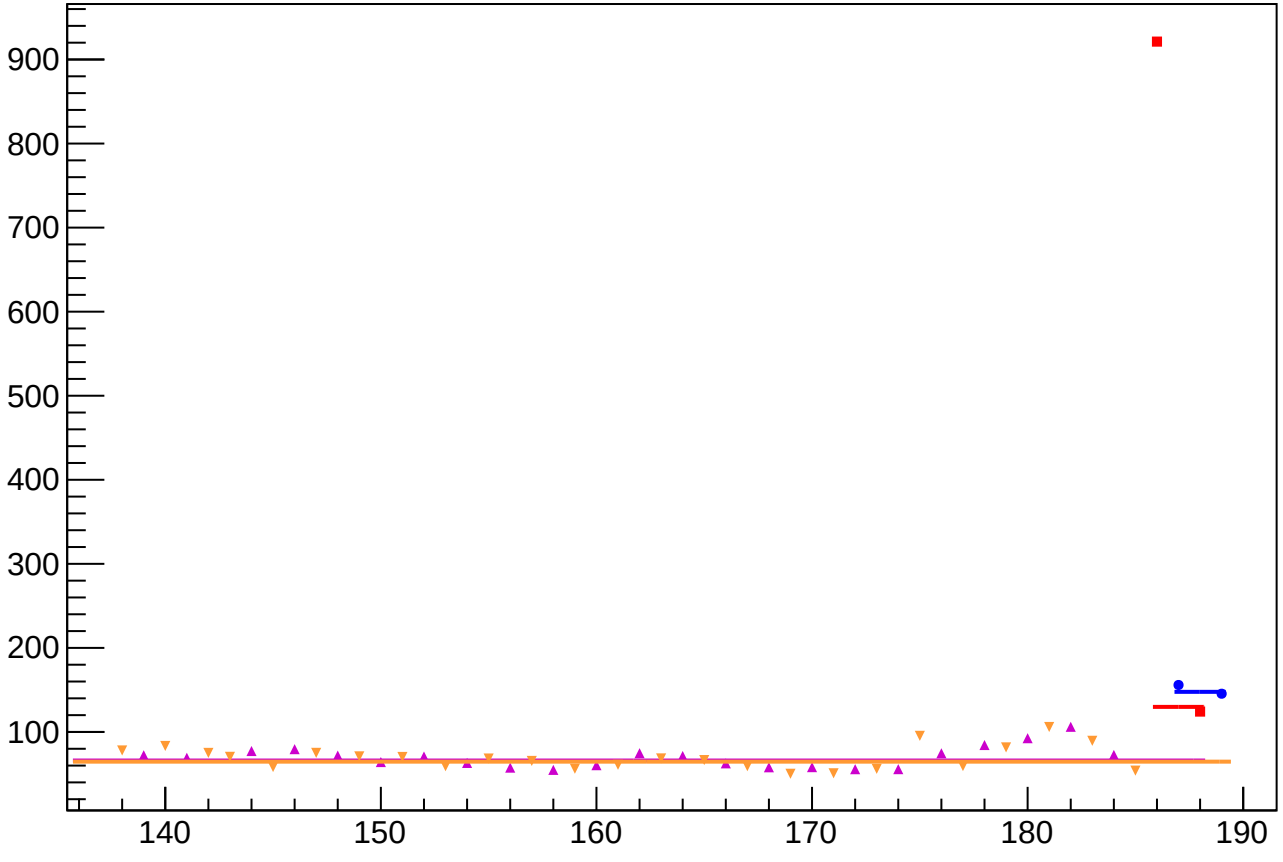
Right: 14.145+/-108.149 $\chi^2$/NDF: 0.5/3

In: 40.562+/-16.072 $\chi^2$/NDF:22.2/24

Out: 15.486+/-15.423 $\chi^2$/NDF:26.0/26

All: 27.507+/-11.128 $\chi^2$/NDF: 49.5/51

# dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected




Right In: 147.718+/-0.134 $\chi^2$/NDF: 1018.9/1

Left Out: 64.680+/-0.011 $\chi^2$/NDF:1150386.4/24

Right Out: 129.826+/-0.093 $\chi^2$/NDF: 508618.4/1

Left In: 66.016+/-0.011 $\chi^2$/NDF:868433.2/22

Left: 65.322+/-0.008 $\chi^2$/NDF: 2025941.7/47

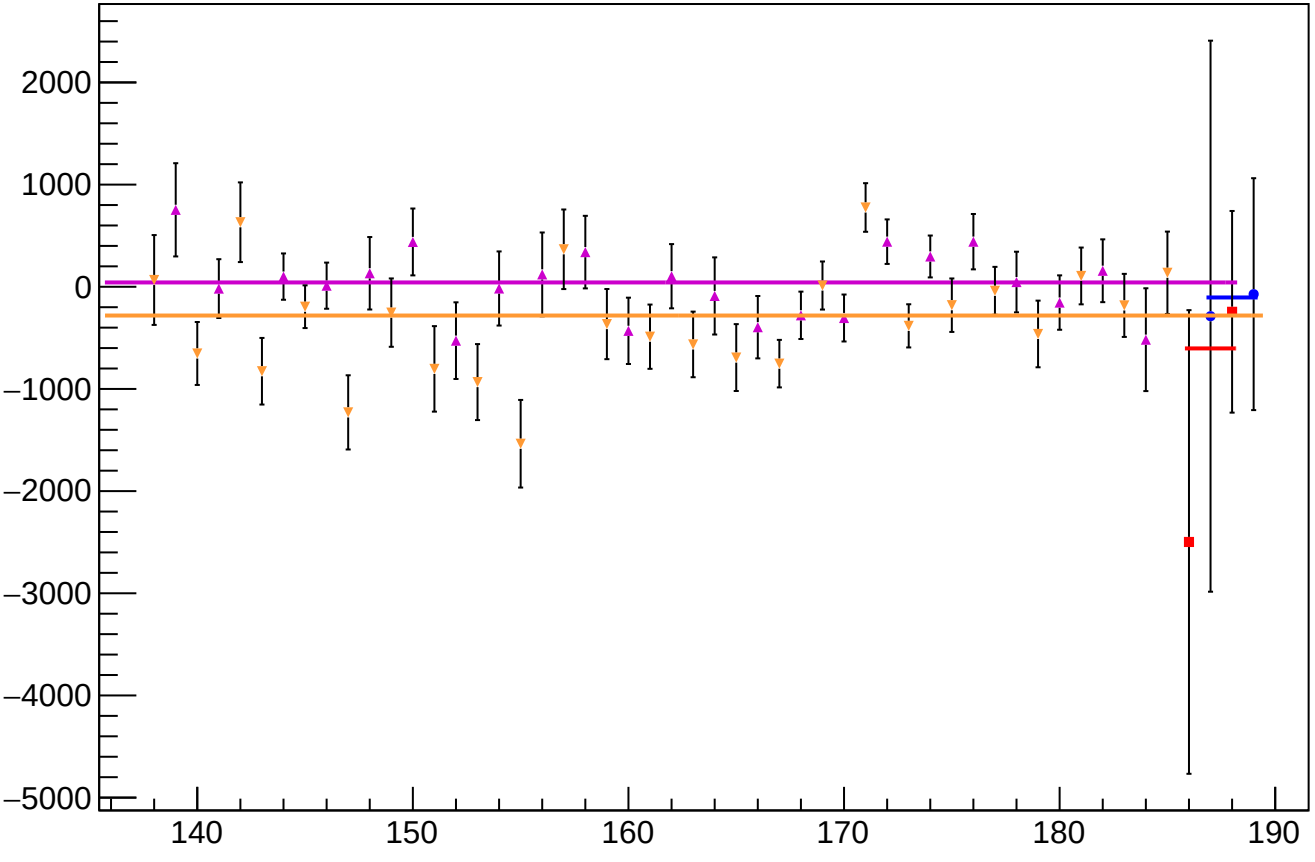
Right: 135.669+/-0.076 $\chi^2$/NDF: 521675.0/3

In: 66.605+/-0.011 $\chi^2$/NDF:1239527.3/24

Out: 65.572+/-0.011 $\chi^2$/NDF:2141028.6/26

All: 66.067+/-0.008 $\chi^2$/NDF: 3384859.3/51

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected




Right In: -104.651+/-1046.011 $\chi^2$/NDF: 0.0/1

Left Out: -281.407+/-59.534 $\chi^2$/NDF:66.5/24

Right Out: -603.381+/-905.037 $\chi^2$/NDF: 0.8/1

Left In: 42.368+/-60.284 $\chi^2$/NDF:24.7/22

Left: -121.547+/-42.360 $\chi^2$/NDF: 105.8/47

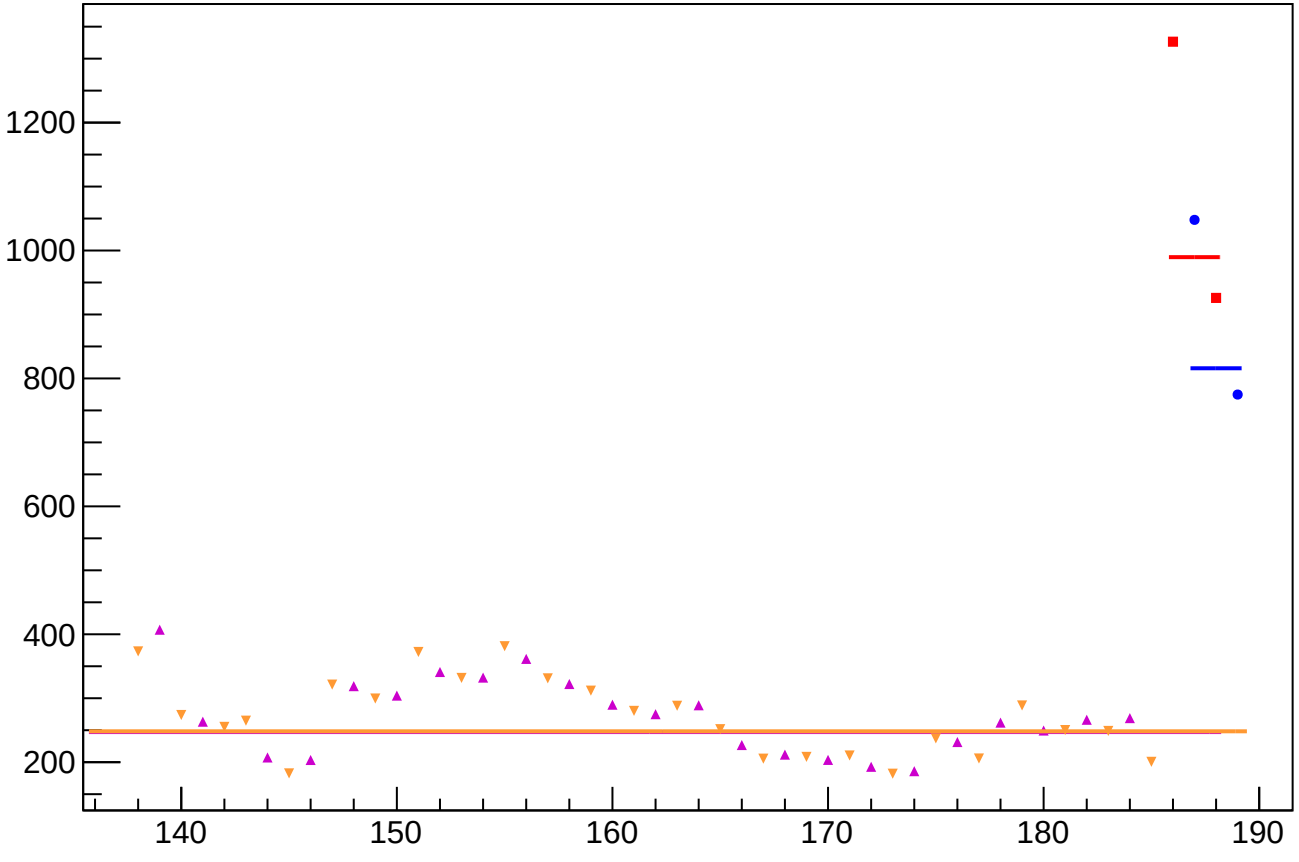
Right: -389.865+/-684.414 $\chi^2$/NDF: 1.0/3

In: 41.881+/-60.184 $\chi^2$/NDF:24.7/24

Out: -282.794+/-59.405 $\chi^2$/NDF:67.4/26

All: -122.571+/-42.279 $\chi^2$/NDF: 106.9/51

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected




Right In: 815.899+/-0.740 $\chi^2$/NDF: 17427.5/1

Left Out: 248.297+/-0.042 $\chi^2$/NDF:1687698.9/24

Right Out: 989.630+/-0.640 $\chi^2$/NDF: 52418.8/1

Left In: 247.105+/-0.043 $\chi^2$/NDF:1539330.1/22

Left: 247.709+/-0.030 $\chi^2$/NDF: 3227424.3/47

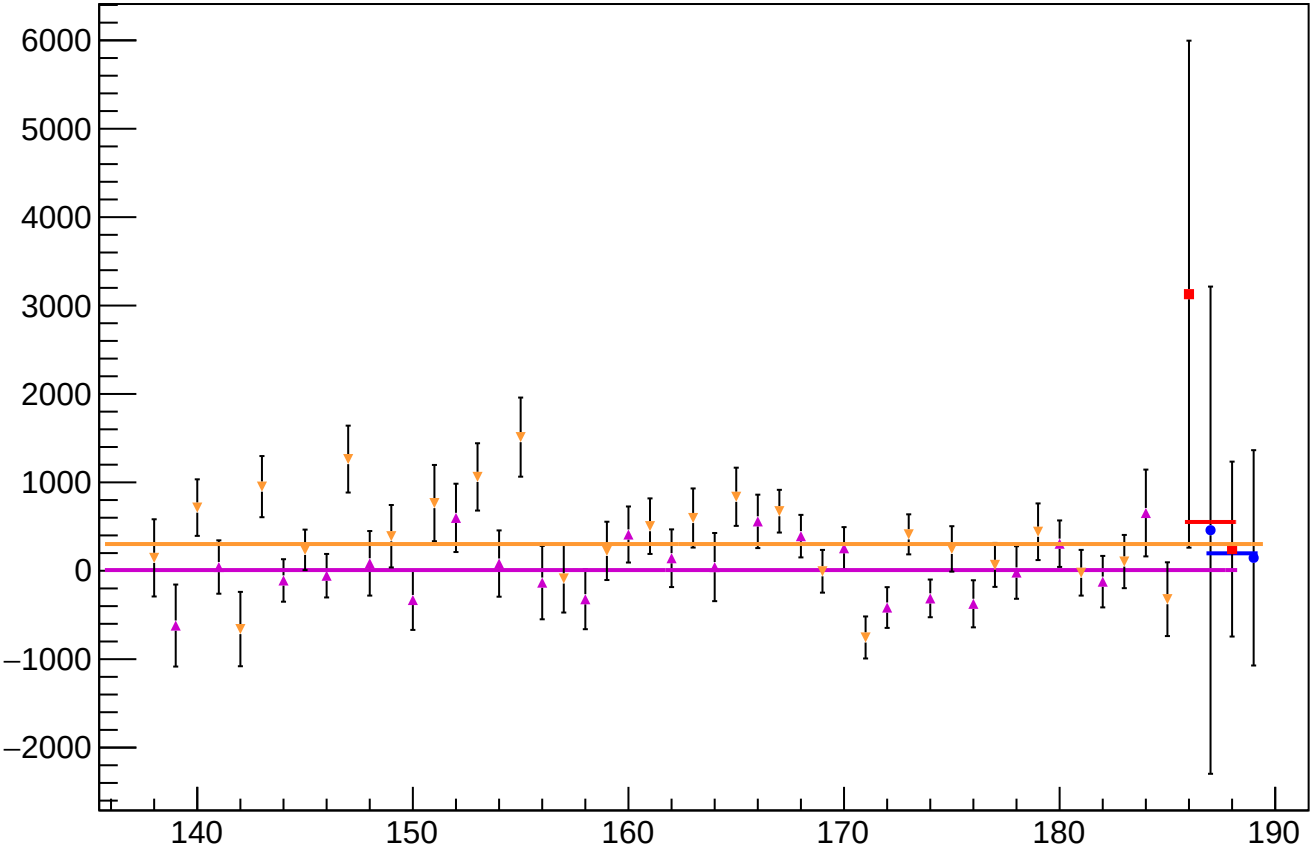
Right: 915.252+/-0.484 $\chi^2$/NDF: 101397.5/3

In: 248.988+/-0.043 $\chi^2$/NDF:2146180.6/24

Out: 251.491+/-0.042 $\chi^2$/NDF:3076250.4/26

All: 250.256+/-0.030 $\chi^2$/NDF: 5224182.2/51

# asym_sam_1526_avg_mean vs Slug, Sign Corrected




Right In: 197.403+/-1113.925 $\chi^2$/NDF: 0.0/1

Left Out: 302.420+/-60.991 $\chi^2$/NDF:63.8/24

Right Out: 551.980+/-935.202 $\chi^2$/NDF: 0.9/1

Left In: 7.915+/-61.726 $\chi^2$/NDF:26.3/22

Left: 156.931+/-43.384 $\chi^2$/NDF: 101.6/47

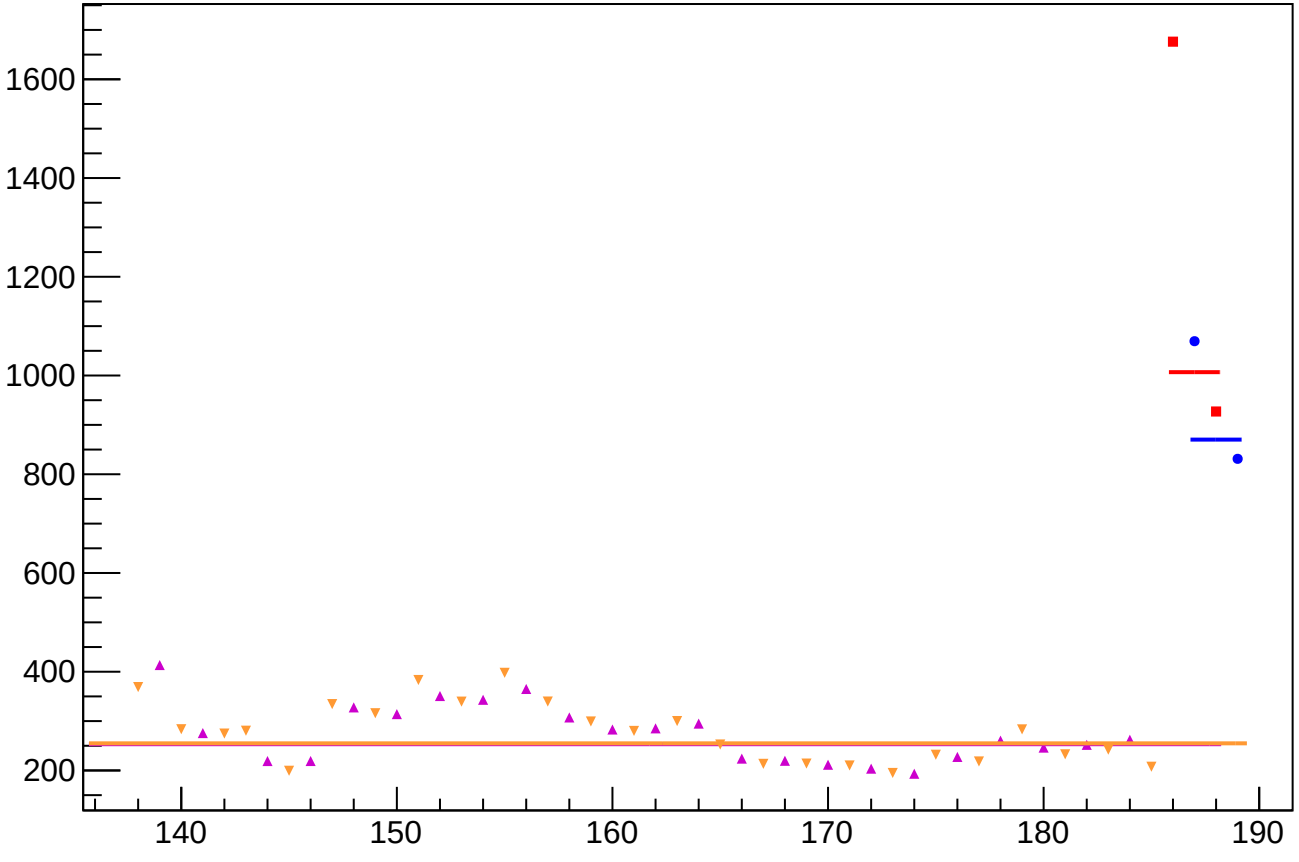
Right: 405.384+/-716.246 $\chi^2$/NDF: 1.0/3

In: 8.495+/-61.631 $\chi^2$/NDF:26.3/24

Out: 303.477+/-60.861 $\chi^2$/NDF:64.8/26

All: 157.839+/-43.305 $\chi^2$/NDF: 102.7/51

# asym_sam_1526_avg_rms vs Slug, Sign Corrected




Right In: 870.176+/-0.788 $\chi^2$/NDF: 12510.1/1

Left Out: 254.937+/-0.043 $\chi^2$/NDF:1541708.7/24

Right Out: 1006.787+/-0.661 $\chi^2$/NDF: 121979.7/1

Left In: 253.170+/-0.044 $\chi^2$/NDF:1366527.6/22

Left: 254.064+/-0.031 $\chi^2$/NDF: 2909065.8/47

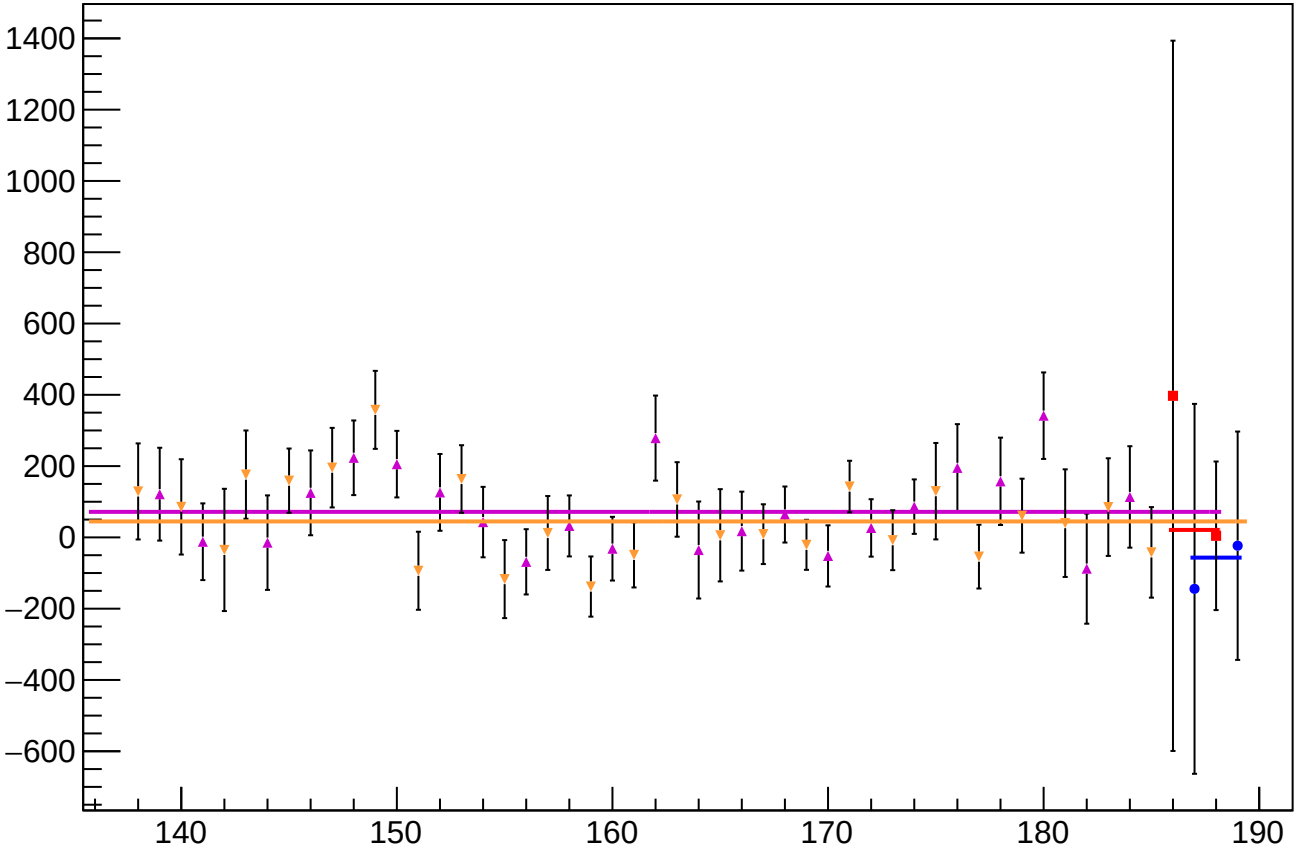
Right: 950.307+/-0.506 $\chi^2$/NDF: 152133.9/3

In: 255.059+/-0.044 $\chi^2$/NDF:1990775.4/24

Out: 258.122+/-0.043 $\chi^2$/NDF:2950863.9/26

All: 256.609+/-0.031 $\chi^2$/NDF: 4944139.9/51

# dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected




Right In: -56.761+/-272.577 $\chi^2$/NDF: 0.0/1

Left Out: 44.746+/-20.460 $\chi^2$/NDF:30.5/24

Right Out: 20.935+/-204.005 $\chi^2$/NDF: 0.1/1

Left In: 71.620+/-21.469 $\chi^2$/NDF:23.7/22

Left: 57.537+/-14.811 $\chi^2$/NDF: 55.0/47

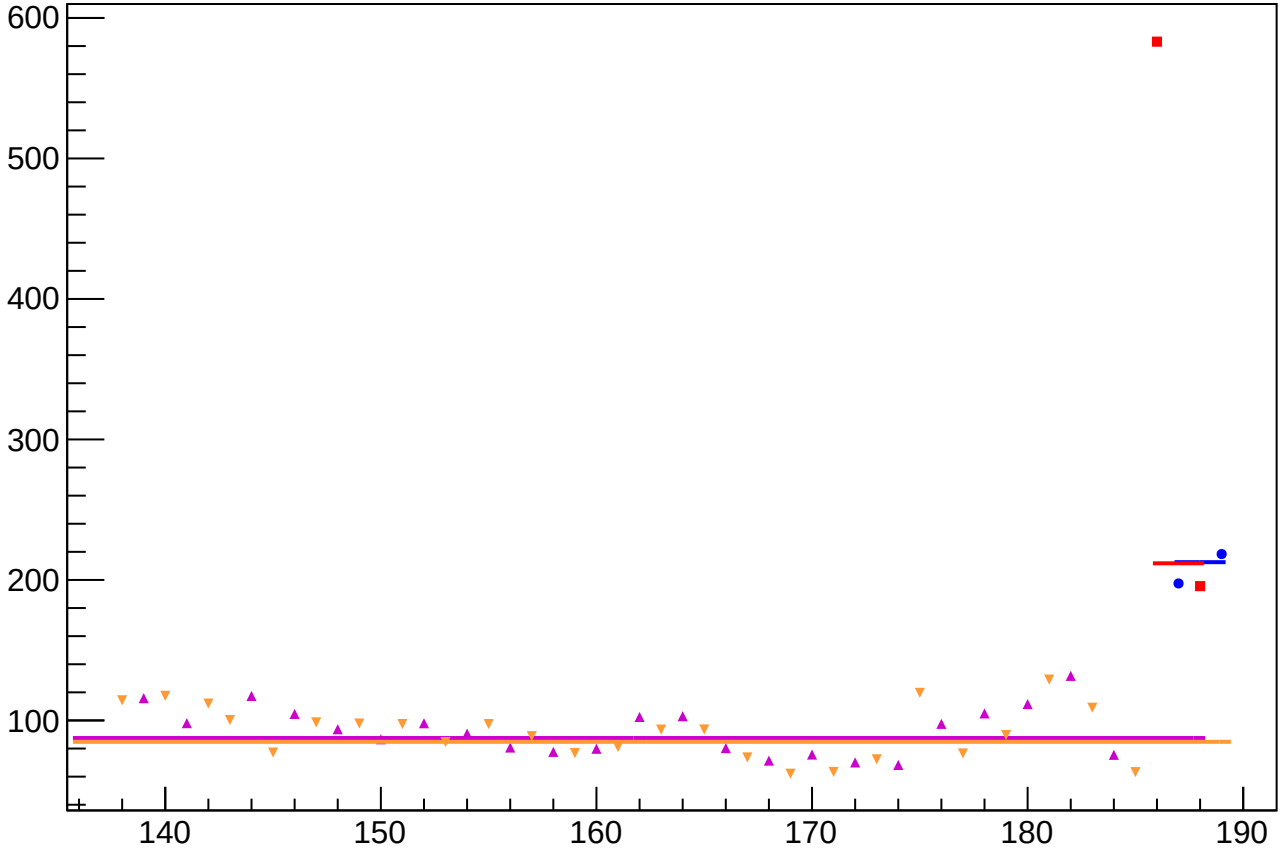
Right: -6.960+/-163.327 $\chi^2$/NDF: 0.2/3

In: 70.829+/-21.402 $\chi^2$/NDF:23.9/24

Out: 44.509+/-20.357 $\chi^2$/NDF:30.7/26

All: 57.011+/-14.750 $\chi^2$/NDF: 55.4/51

# dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected




Right In: 212.645+/-0.193 $\chi^2$/NDF: 2350.5/1

Left Out: 84.793+/-0.014 $\chi^2$/NDF:1382881.3/24

Right Out: 211.839+/-0.144 $\chi^2$/NDF: 289882.1/1

Left In: 87.477+/-0.015 $\chi^2$/NDF:1056450.2/22

Left: 86.070+/-0.010 $\chi^2$/NDF: 2455720.1/47

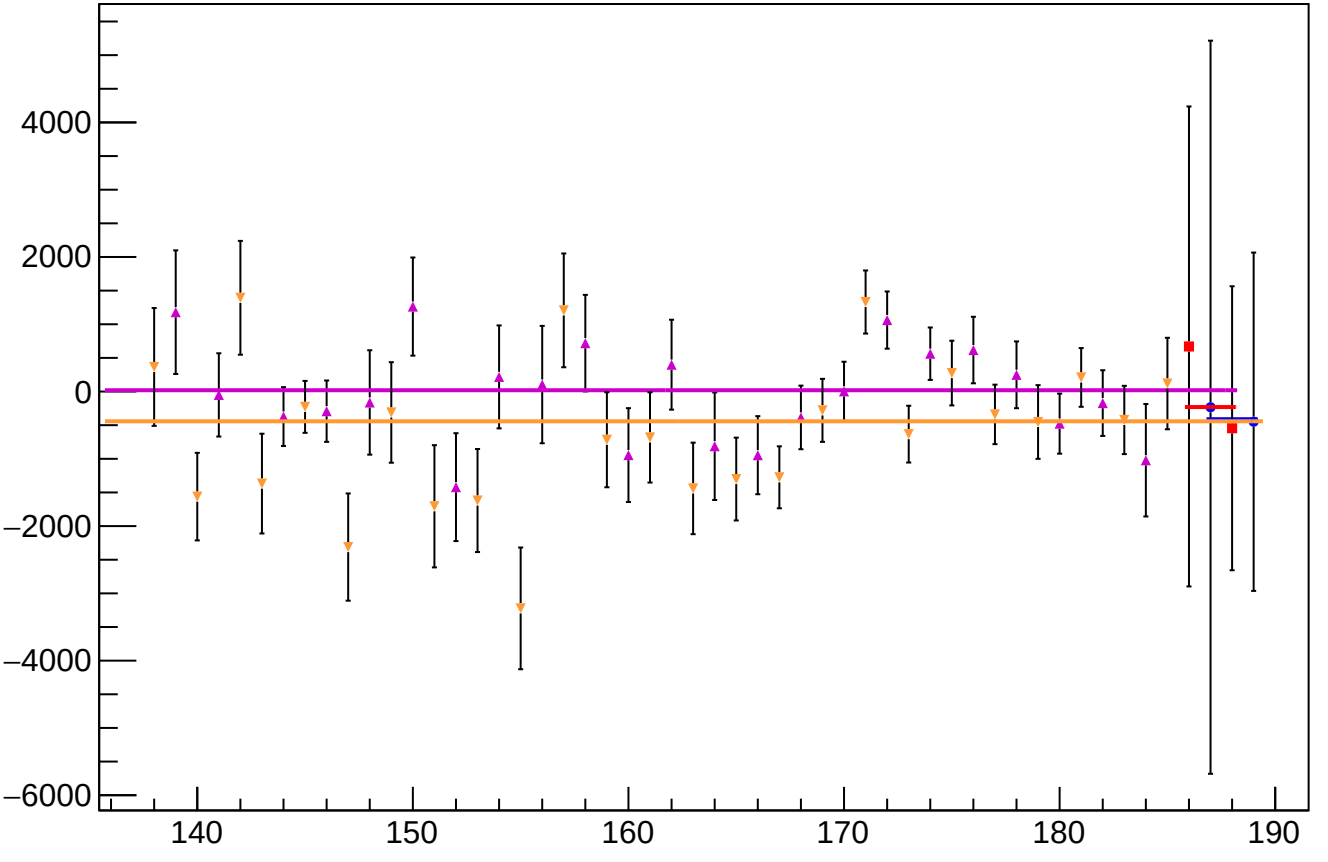
Right: 212.129+/-0.115 $\chi^2$/NDF: 292243.8/3

In: 88.249+/-0.015 $\chi^2$/NDF:1477935.2/24

Out: 86.058+/-0.014 $\chi^2$/NDF:2440707.4/26

All: 87.099+/-0.010 $\chi^2$/NDF: 3929648.1/51

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected




Right In: -410.975+/-2282.950 $\chi^2$/NDF: 0.0/1

Left Out: -442.284+/-115.425 $\chi^2$/NDF:60.9/24

Right Out: -230.383+/-1816.374 $\chi^2$/NDF: 0.1/1

Left In: 19.322+/-116.820 $\chi^2$/NDF:29.5/22

Left: -214.255+/-82.107 $\chi^2$/NDF: 98.3/47

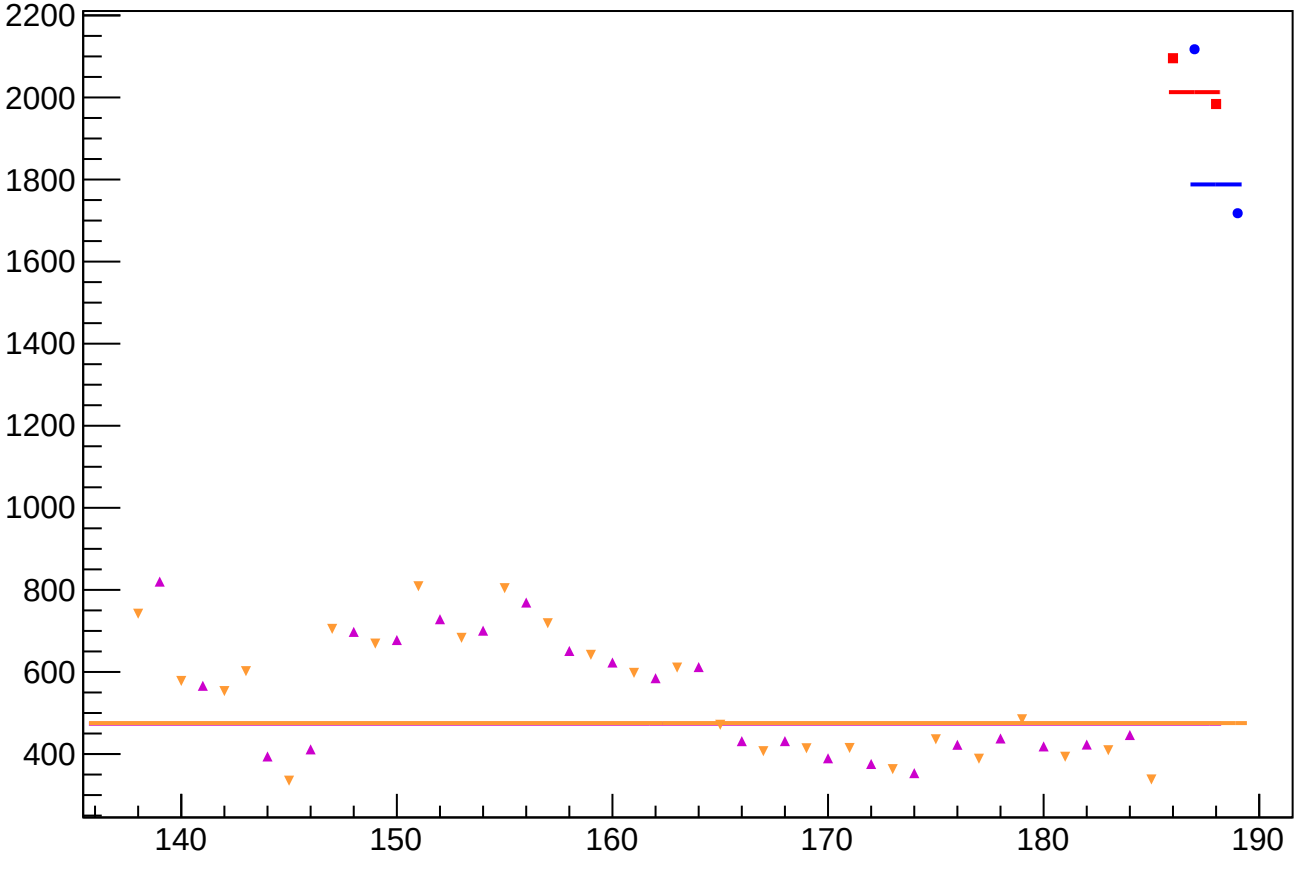
Right: -300.387+/-1421.378 $\chi^2$/NDF: 0.1/3

In: 18.198+/-116.668 $\chi^2$/NDF:29.5/24

Out: -441.432+/-115.193 $\chi^2$/NDF:61.0/26

All: -214.542+/-81.970 $\chi^2$/NDF: 98.4/51

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected




Right In: 1788.056+/-1.614 $\chi^2$/NDF: 8868.1/1

Left Out: 475.415+/-0.082 $\chi^2$/NDF:2509706.1/24

Right Out: 2012.963+/-1.284 $\chi^2$/NDF: 1449.7/1

Left In: 473.947+/-0.083 $\chi^2$/NDF:2174476.6/22

Left: 474.690+/-0.058 $\chi^2$/NDF: 4684342.6/47

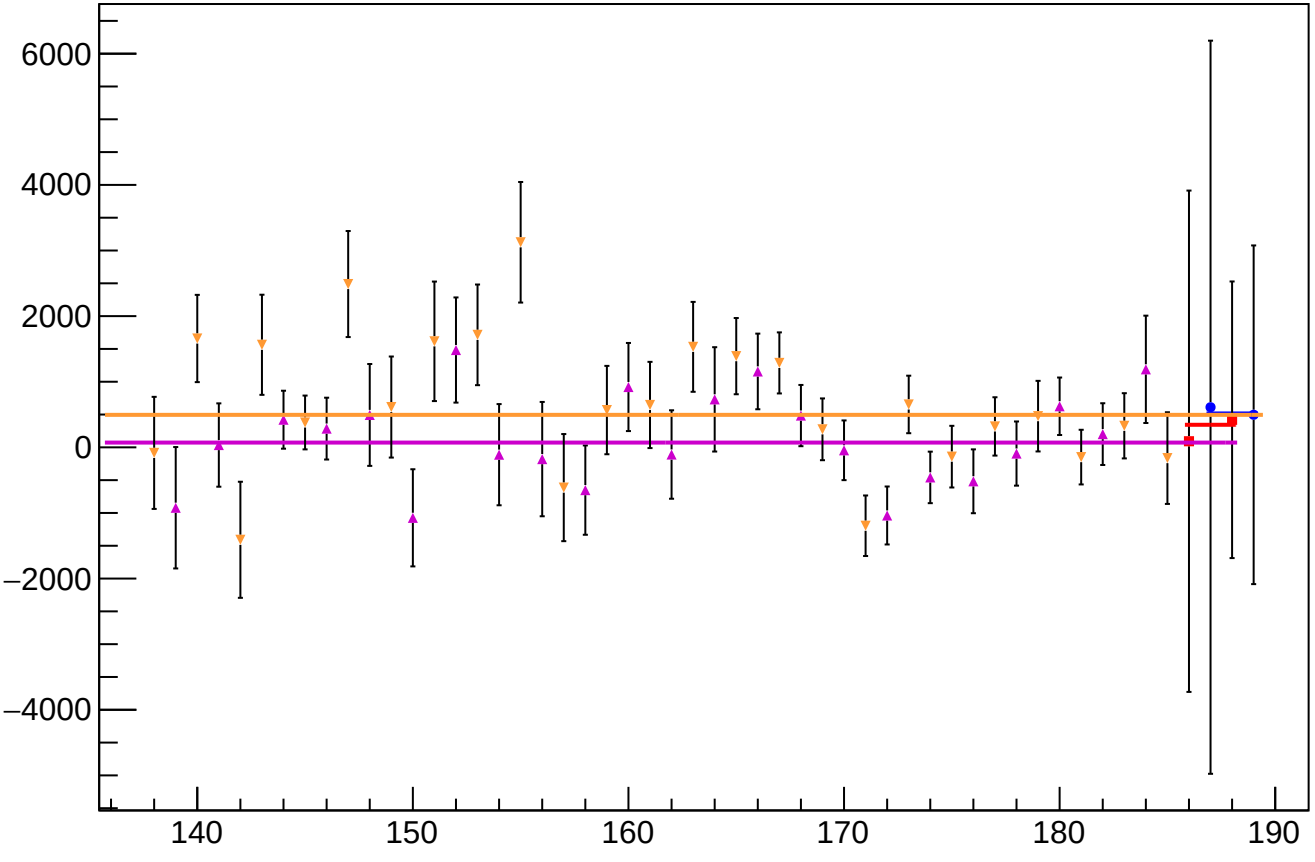
Right: 1925.781+/-1.005 $\chi^2$/NDF: 22204.2/3

In: 477.379+/-0.082 $\chi^2$/NDF:2844288.5/24

Out: 481.599+/-0.081 $\chi^2$/NDF:3938492.2/26

All: 479.516+/-0.058 $\chi^2$/NDF: 6784106.1/51

# asym_sam_3726_avg_mean vs Slug, Sign Corrected




Right In: 516.559+/-2343.083 $\chi^2$/NDF: 0.0/1

Left Out: 495.259+/-115.521 $\chi^2$/NDF:57.2/24

Right Out: 343.806+/-1845.735 $\chi^2$/NDF: 0.0/1

Left In: 72.627+/-116.927 $\chi^2$/NDF:29.1/22

Left: 286.499+/-82.178 $\chi^2$/NDF: 92.8/47

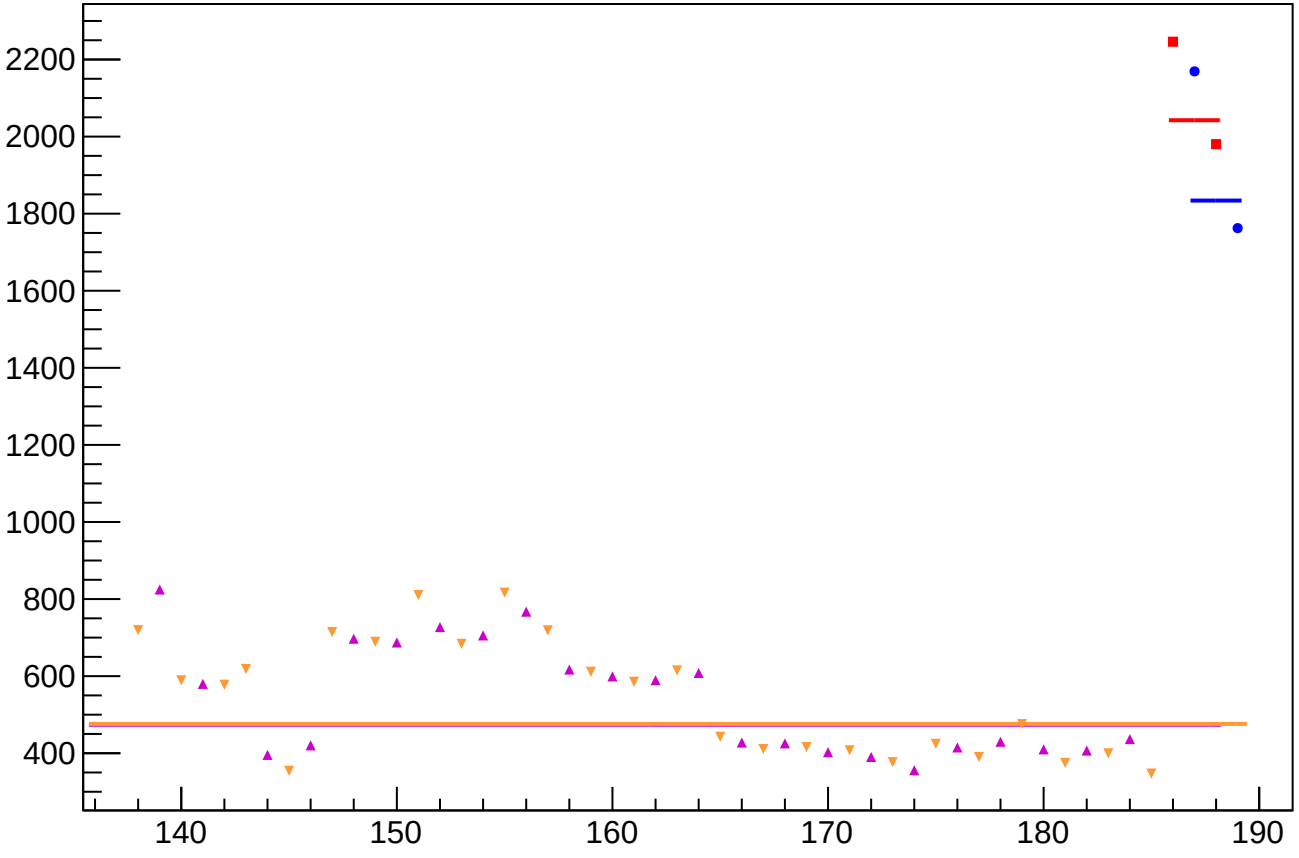
Right: 409.956+/-1449.909 $\chi^2$/NDF: 0.0/3

In: 73.730+/-116.782 $\chi^2$/NDF:29.1/24

Out: 494.668+/-115.296 $\chi^2$/NDF:57.2/26

All: 286.895+/-82.047 $\chi^2$/NDF: 92.9/51

# asym_sam_3726_avg_rms vs Slug, Sign Corrected




Right In: 1834.018+/-1.657 $\chi^2$/NDF: 8734.9/1

Left Out: 476.057+/-0.082 $\chi^2$/NDF:2461838.6/24

Right Out: 2042.433+/-1.305 $\chi^2$/NDF: 7419.9/1

Left In: 473.824+/-0.083 $\chi^2$/NDF:2113753.1/22

Left: 474.954+/-0.058 $\chi^2$/NDF: 4575960.9/47

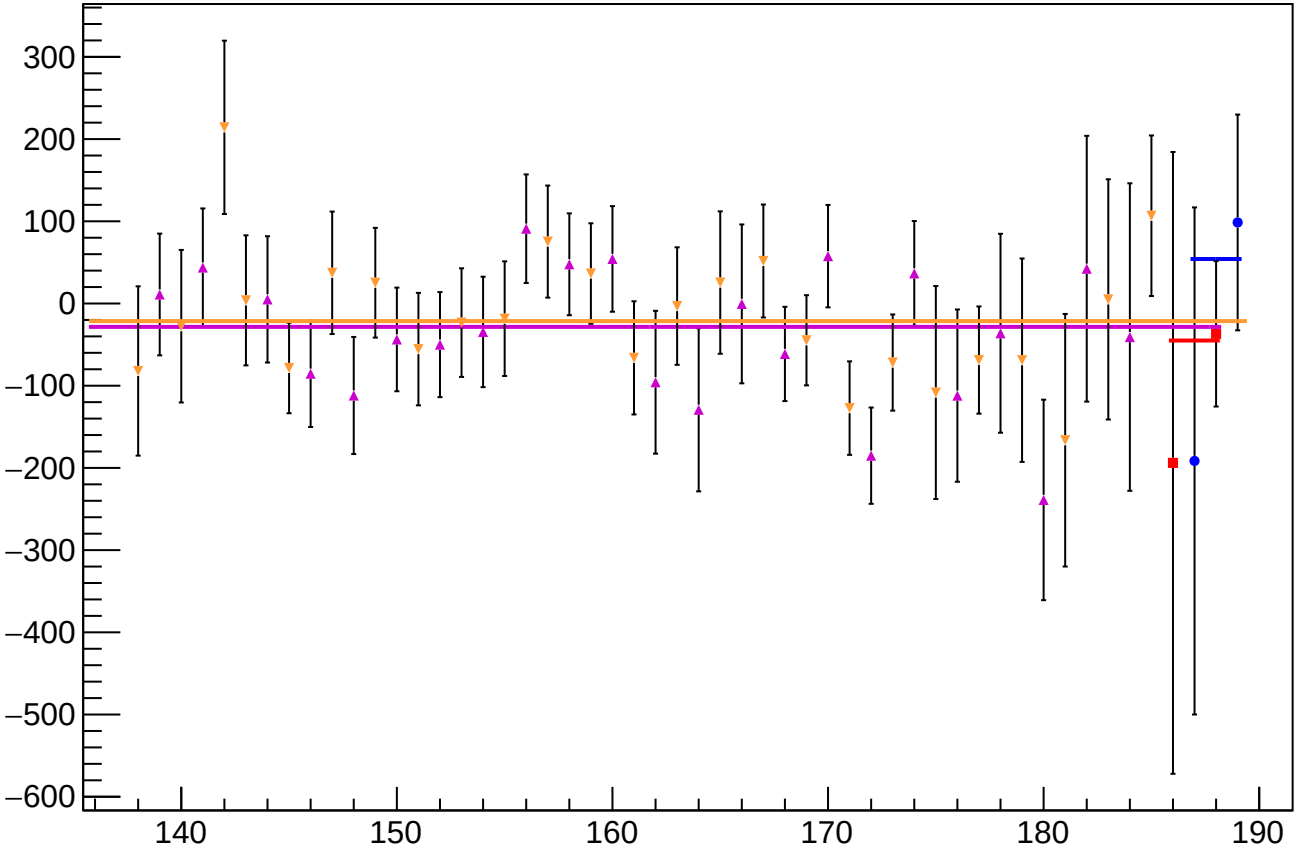
Right: 1962.627+/-1.025 $\chi^2$/NDF: 25919.3/3

In: 477.203+/-0.083 $\chi^2$/NDF:2794808.6/24

Out: 482.169+/-0.082 $\chi^2$/NDF:3904038.8/26

All: 479.717+/-0.058 $\chi^2$/NDF: 6700679.0/51

# dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected




Right In: 54.125+/-120.757 $\chi^2$/NDF: 0.7/1

Left Out: -21.397+/-14.800 $\chi^2$/NDF:20.9/24

Right Out: -45.025+/-86.141 $\chi^2$/NDF: 0.2/1

Left In: -28.435+/-15.494 $\chi^2$/NDF:26.2/22

Left: -24.755+/-10.702 $\chi^2$/NDF: 47.2/47

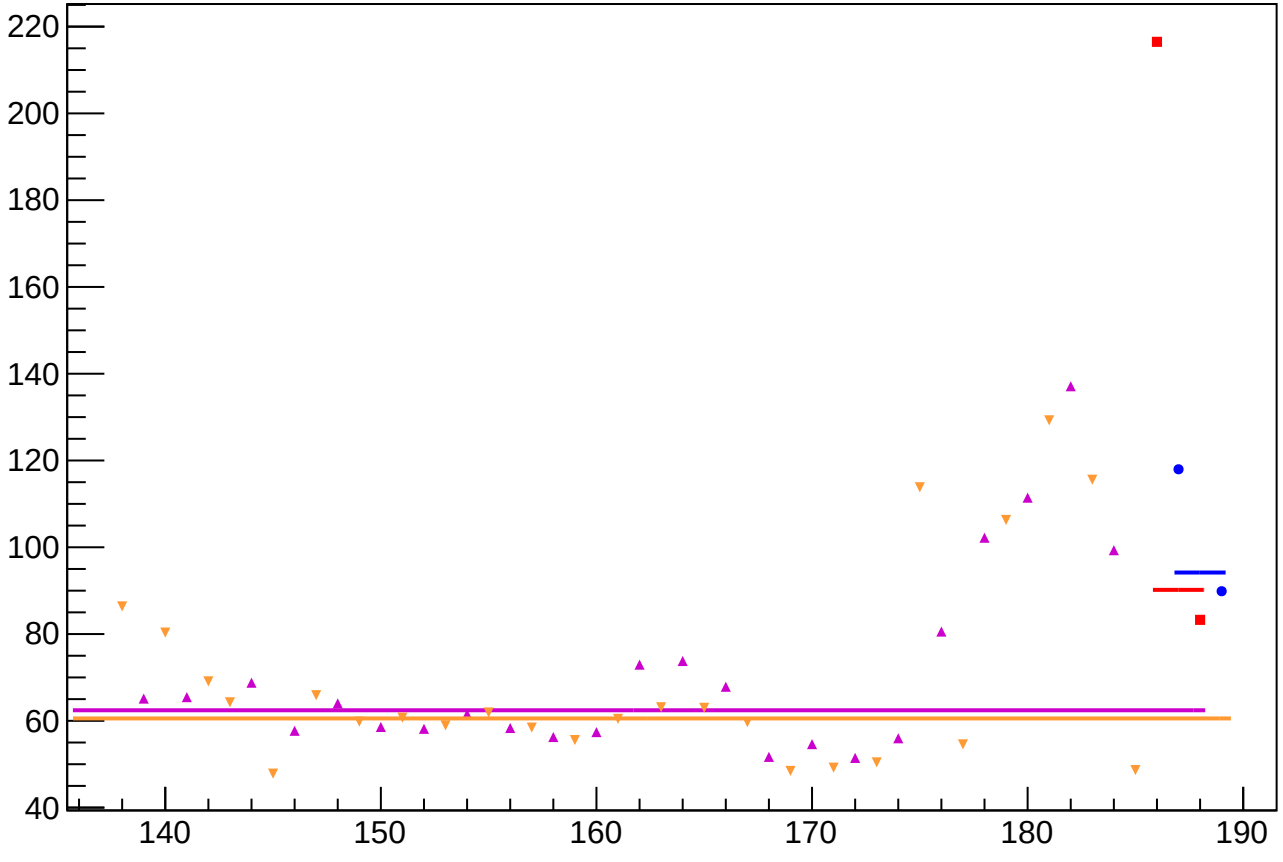
Right: -11.587+/-70.127 $\chi^2$/NDF: 1.4/3

In: -27.098+/-15.368 $\chi^2$/NDF:27.4/24

Out: -22.075+/-14.586 $\chi^2$/NDF:21.1/26

All: -24.455+/-10.579 $\chi^2$/NDF: 48.6/51

# dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected




Right In: 94.181+/-0.085 $\chi^2$/NDF: 14057.8/1

Left Out: 60.551+/-0.010 $\chi^2$/NDF:1951663.1/24

Right Out: 90.184+/-0.061 $\chi^2$/NDF: 235280.0/1

Left In: 62.435+/-0.011 $\chi^2$/NDF:1445748.2/22

Left: 61.450+/-0.008 $\chi^2$/NDF: 3412871.1/47

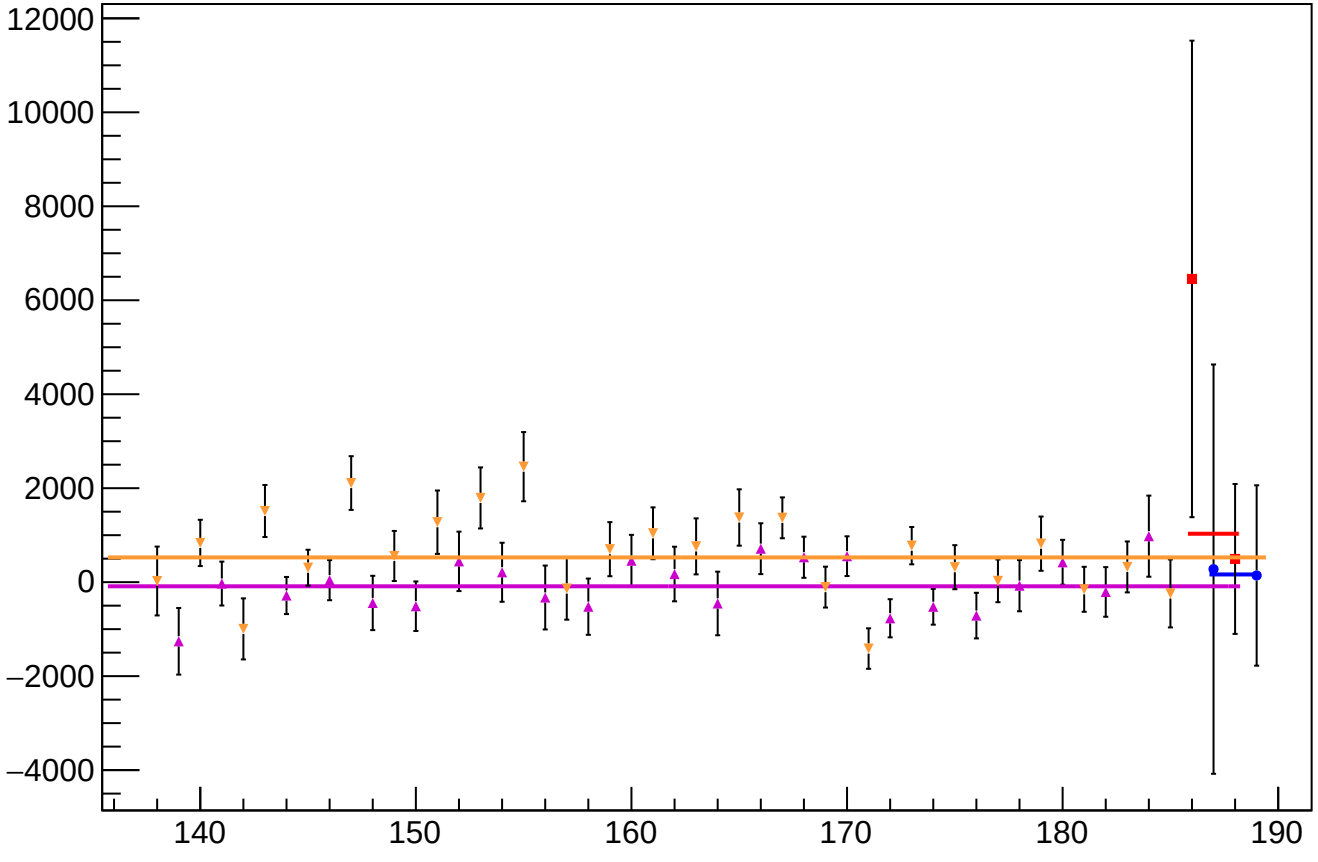
Right: 91.532+/-0.050 $\chi^2$/NDF: 250790.1/3

In: 62.949+/-0.011 $\chi^2$/NDF:1595797.5/24

Out: 61.400+/-0.010 $\chi^2$/NDF:2416841.4/26

All: 62.134+/-0.007 $\chi^2$/NDF: 4023319.2/51

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected




Right In: 164.208+/-1756.373 $\chi^2$/NDF: 0.0/1

Left Out: 526.705+/-105.414 $\chi^2$/NDF:65.0/24

Right Out: 1030.491+/-1521.625 $\chi^2$/NDF: 1.3/1

Left In: -87.989+/-106.843 $\chi^2$/NDF:22.1/22

Left: 223.494+/-75.039 $\chi^2$/NDF: 103.9/47

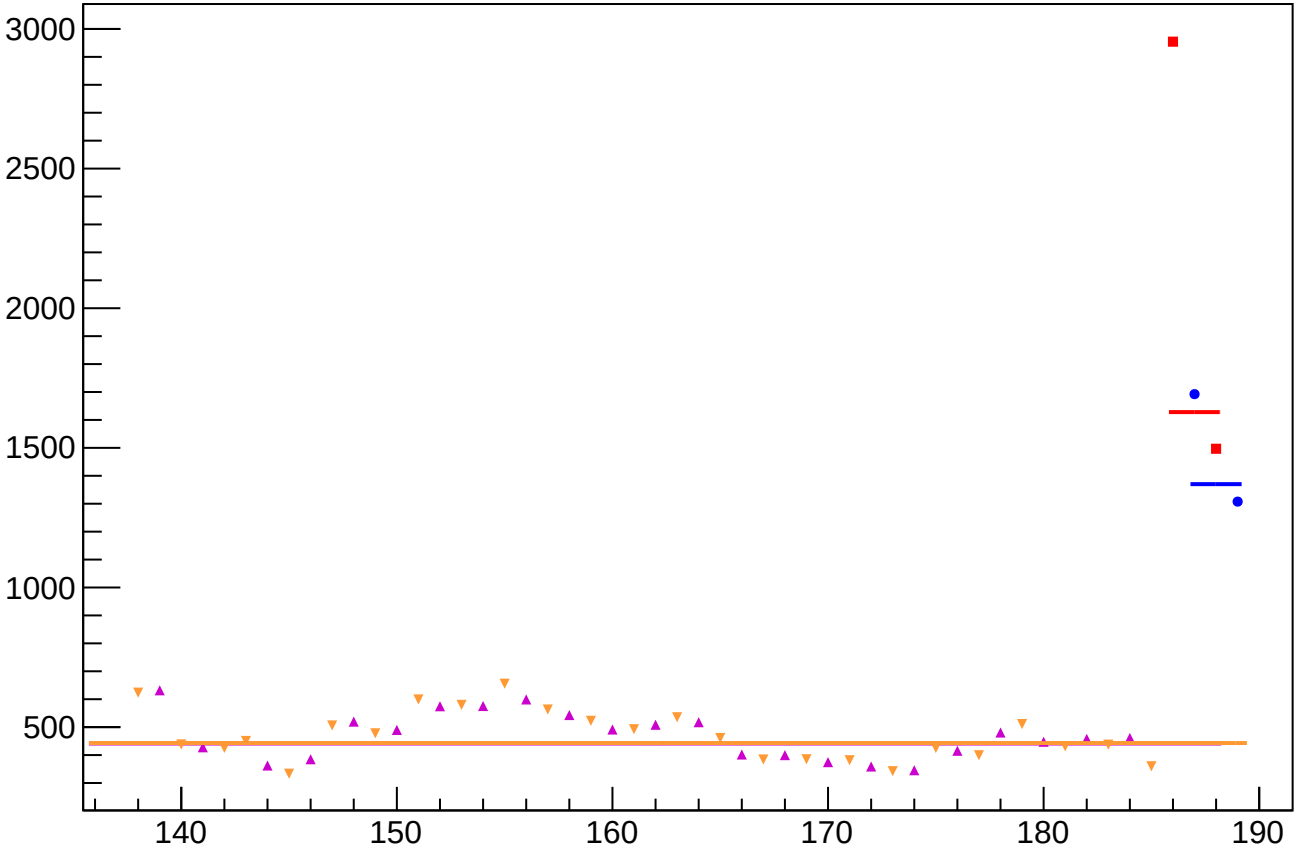
Right: 659.070+/-1150.058 $\chi^2$/NDF: 1.4/3

In: -87.059+/-106.646 $\chi^2$/NDF:22.2/24

Out: 529.112+/-105.162 $\chi^2$/NDF:66.4/26

All: 225.341+/-74.880 $\chi^2$/NDF: 105.4/51

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected




Right In: 1370.089+/-1.242 $\chi^2$/NDF: 13073.3/1

Left Out: 443.031+/-0.075 $\chi^2$/NDF:1171662.6/24

Right Out: 1628.046+/-1.076 $\chi^2$/NDF: 150379.6/1

Left In: 441.359+/-0.076 $\chi^2$/NDF:1035839.5/22

Left: 442.206+/-0.053 $\chi^2$/NDF: 2207750.3/47

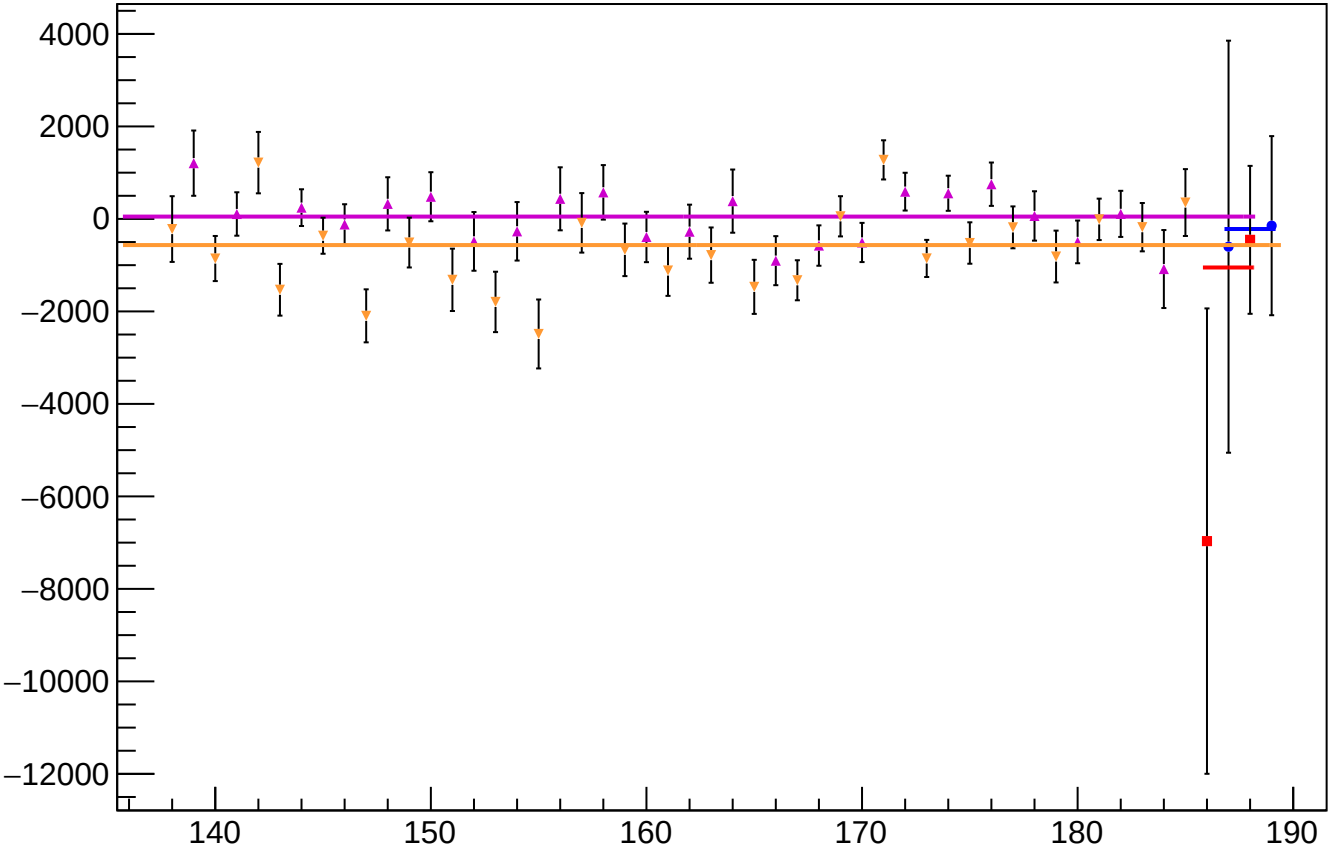
Right: 1517.446+/-0.813 $\chi^2$/NDF: 188097.0/3

In: 444.783+/-0.075 $\chi^2$/NDF:1606062.1/24

Out: 448.691+/-0.074 $\chi^2$/NDF:2529252.1/26

All: 446.765+/-0.053 $\chi^2$/NDF: 4136676.2/51

# asym_sam_15_48_dd_mean vs Slug, Sign Corrected




Right In: -218.147+/-1775.959 $\chi^2$/NDF: 0.0/1

Left Out: -565.545+/-104.460 $\chi^2$/NDF:62.9/24

Right Out: -1050.275+/-1524.239 $\chi^2$/NDF: 1.5/1

Left In: 50.387+/-106.218 $\chi^2$/NDF:23.3/22

Left: -262.717+/-74.478 $\chi^2$/NDF: 103.3/47

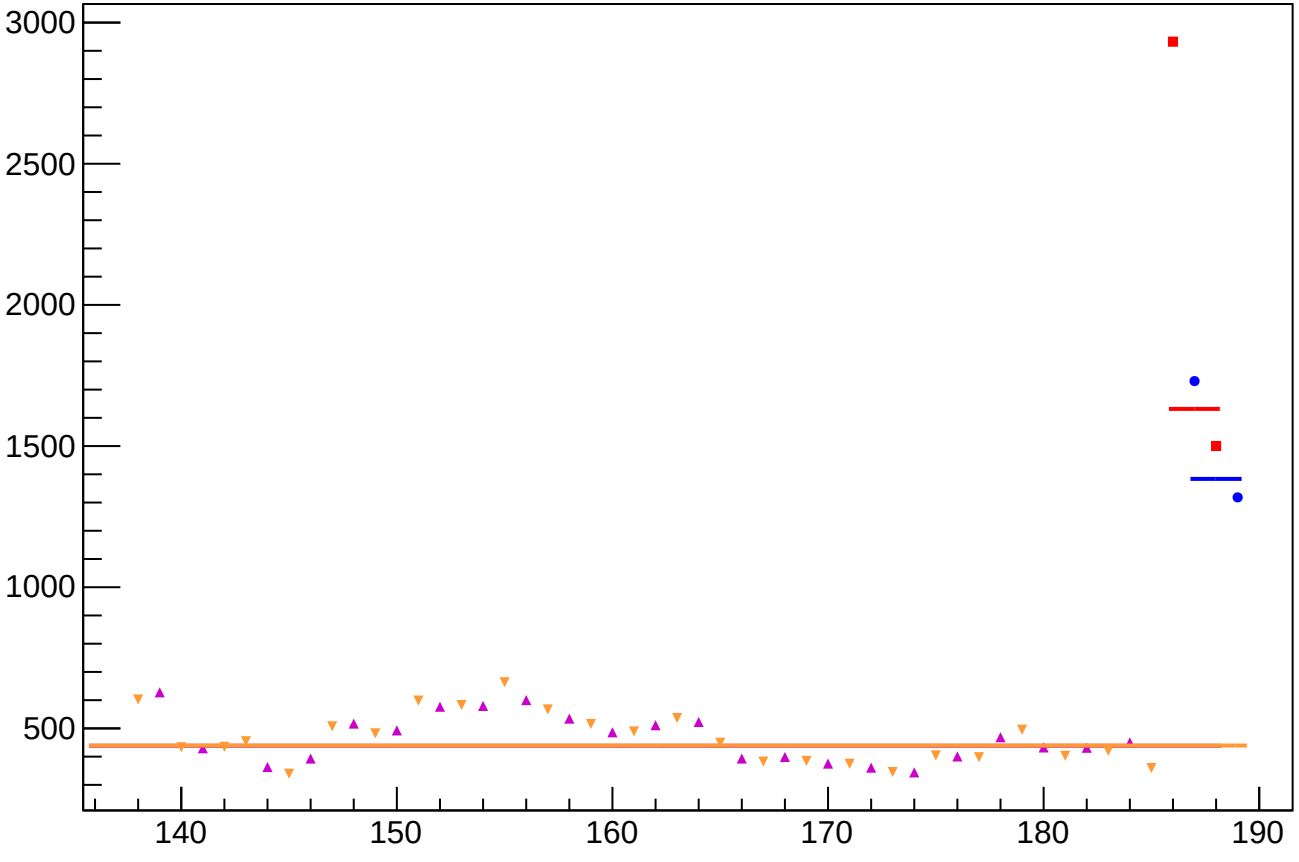
Right: -697.314+/-1156.649 $\chi^2$/NDF: 1.7/3

In: 49.430+/-106.029 $\chi^2$/NDF:23.3/24

Out: -567.811+/-104.216 $\chi^2$/NDF:64.6/26

All: -264.511+/-74.324 $\chi^2$/NDF: 105.1/51

# asym_sam_15_48_dd_rms vs Slug, Sign Corrected




Right In: 1383.697+/-1.256 $\chi^2$/NDF: 14377.4/1

Left Out: 439.314+/-0.074 $\chi^2$/NDF:1164031.3/24

Right Out: 1631.684+/-1.078 $\chi^2$/NDF: 147146.4/1

Left In: 438.365+/-0.075 $\chi^2$/NDF:1024661.1/22

Left: 438.847+/-0.053 $\chi^2$/NDF: 2188773.6/47

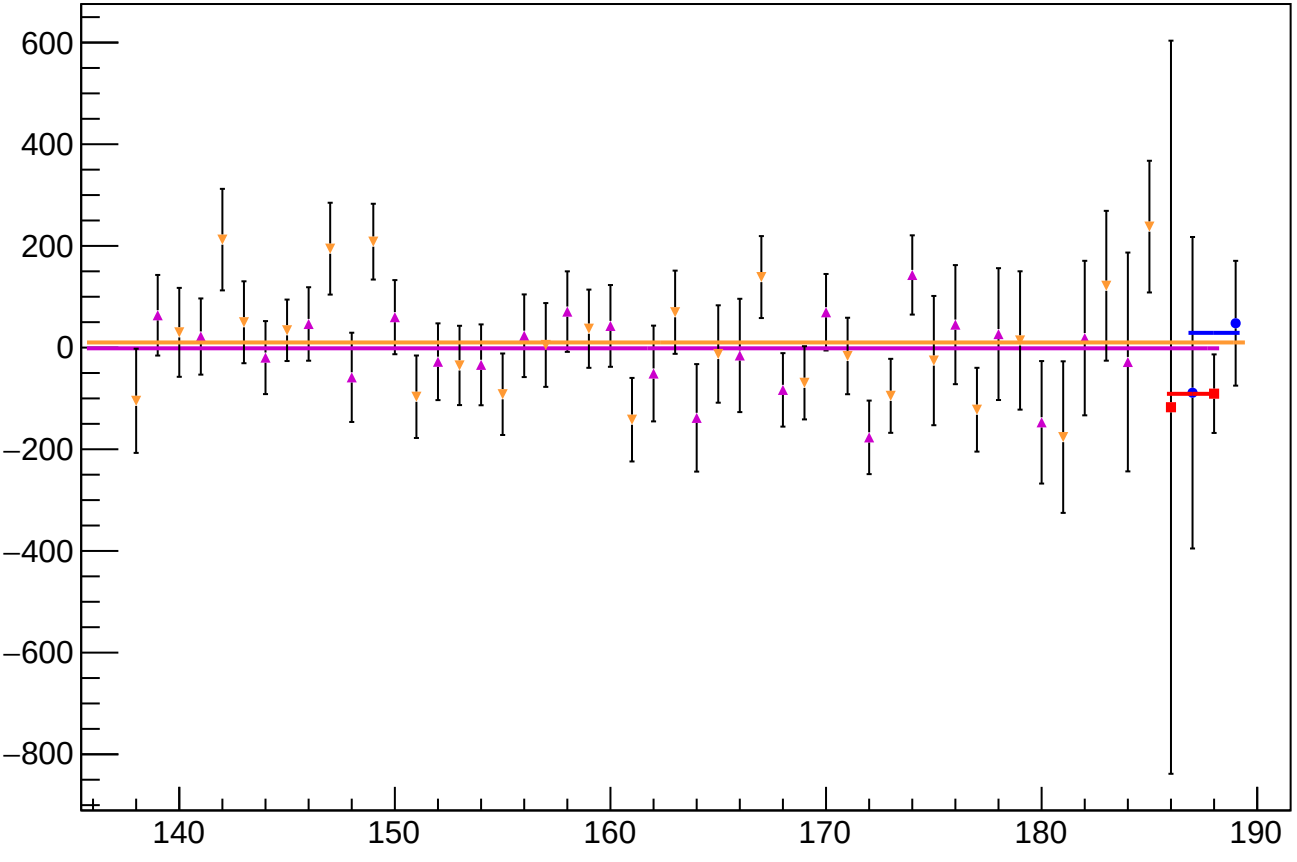
Right: 1526.496+/-0.818 $\chi^2$/NDF: 183979.1/3

In: 441.734+/-0.075 $\chi^2$/NDF:1603692.6/24

Out: 444.888+/-0.074 $\chi^2$/NDF:2529356.2/26

All: 443.338+/-0.053 $\chi^2$/NDF: 4133948.8/51

# dit_asym_sam_37_48_dd_mean vs Slug, Sign Corrected




Right In: 28.982+/-113.936 $\chi^2$/NDF: 0.2/1

Left Out: 10.078+/-17.207 $\chi^2$/NDF:38.7/24

Right Out: -90.956+/-76.830 $\chi^2$/NDF: 0.0/1

Left In: -1.434+/-17.926 $\chi^2$/NDF:19.0/22

Left: 4.557+/-12.414 $\chi^2$/NDF: 58.0/47

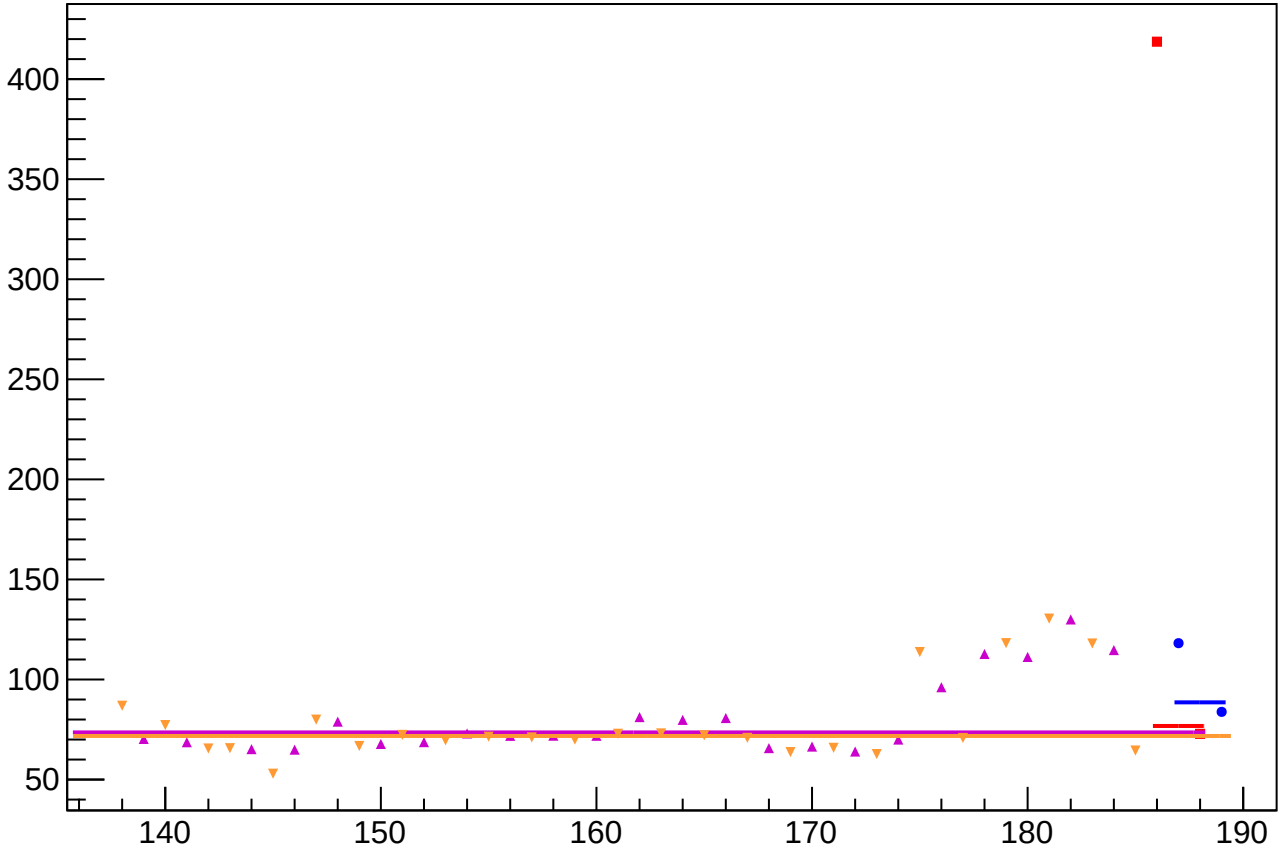
Right: -53.466+/-63.700 $\chi^2$/NDF: 0.9/3

In: -0.699+/-17.708 $\chi^2$/NDF:19.3/24

Out: 5.252+/-16.791 $\chi^2$/NDF:40.4/26

All: 2.434+/-12.184 $\chi^2$/NDF: 59.7/51

# dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected




Right In: 88.580+/-0.081 $\chi^2$/NDF: 21628.9/1

Left Out: 71.785+/-0.012 $\chi^2$/NDF:1325726.8/24

Right Out: 76.780+/-0.054 $\chi^2$/NDF: 454951.4/1

Left In: 73.558+/-0.013 $\chi^2$/NDF:1009353.9/22

Left: 72.635+/-0.009 $\chi^2$/NDF: 2345268.8/47

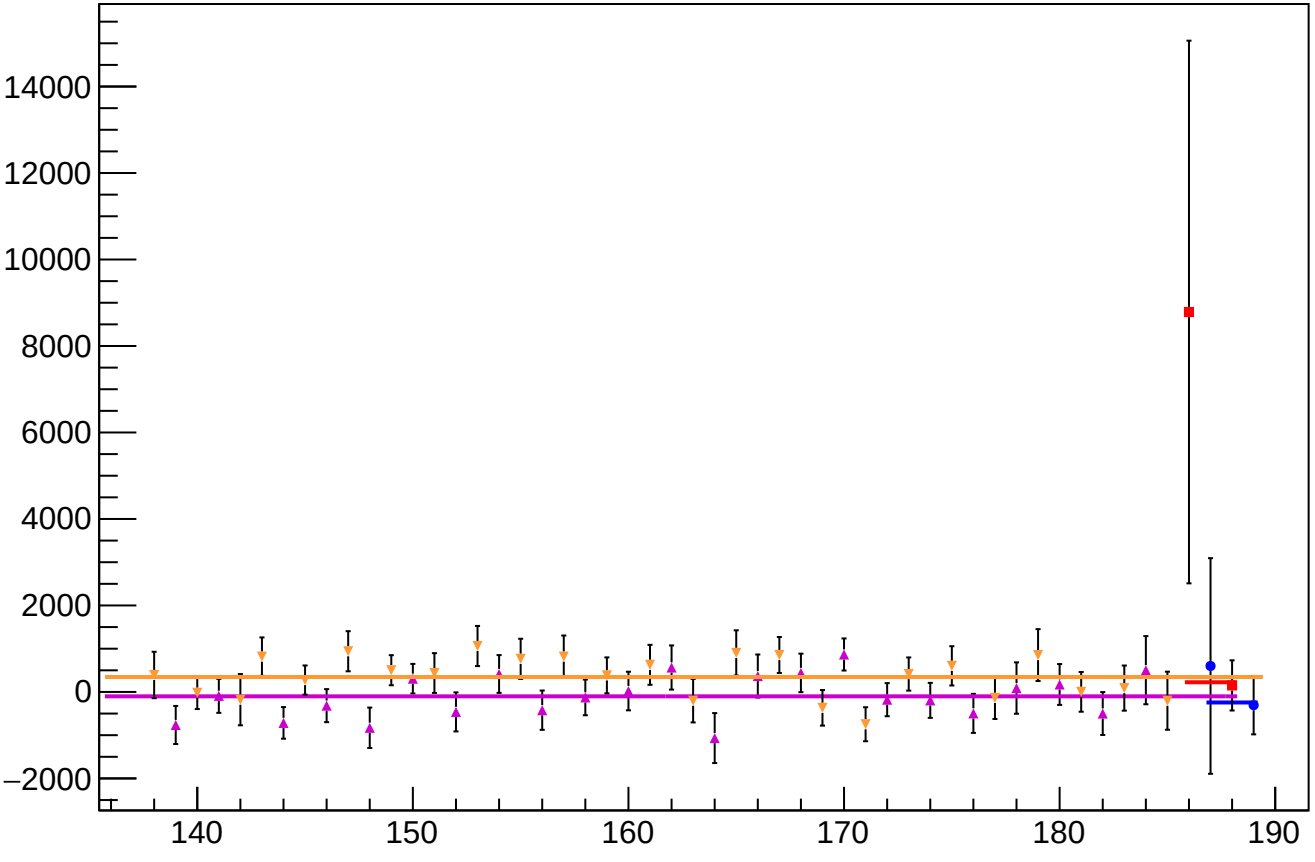
Right: 80.468+/-0.045 $\chi^2$/NDF: 491327.9/3

In: 73.921+/-0.013 $\chi^2$/NDF:1064908.4/24

Out: 72.023+/-0.012 $\chi^2$/NDF:1788727.5/26

All: 72.922+/-0.009 $\chi^2$/NDF: 2865731.2/51

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected




Right In: -243.807+/-651.836 $\chi^2$/NDF: 0.1/1

Left Out: 345.360+/-89.857 $\chi^2$/NDF:27.4/24

Right Out: 224.167+/-577.800 $\chi^2$/NDF: 1.9/1

Left In: -101.648+/-91.670 $\chi^2$/NDF:28.1/22

Left: 126.320+/-64.170 $\chi^2$/NDF: 67.5/47

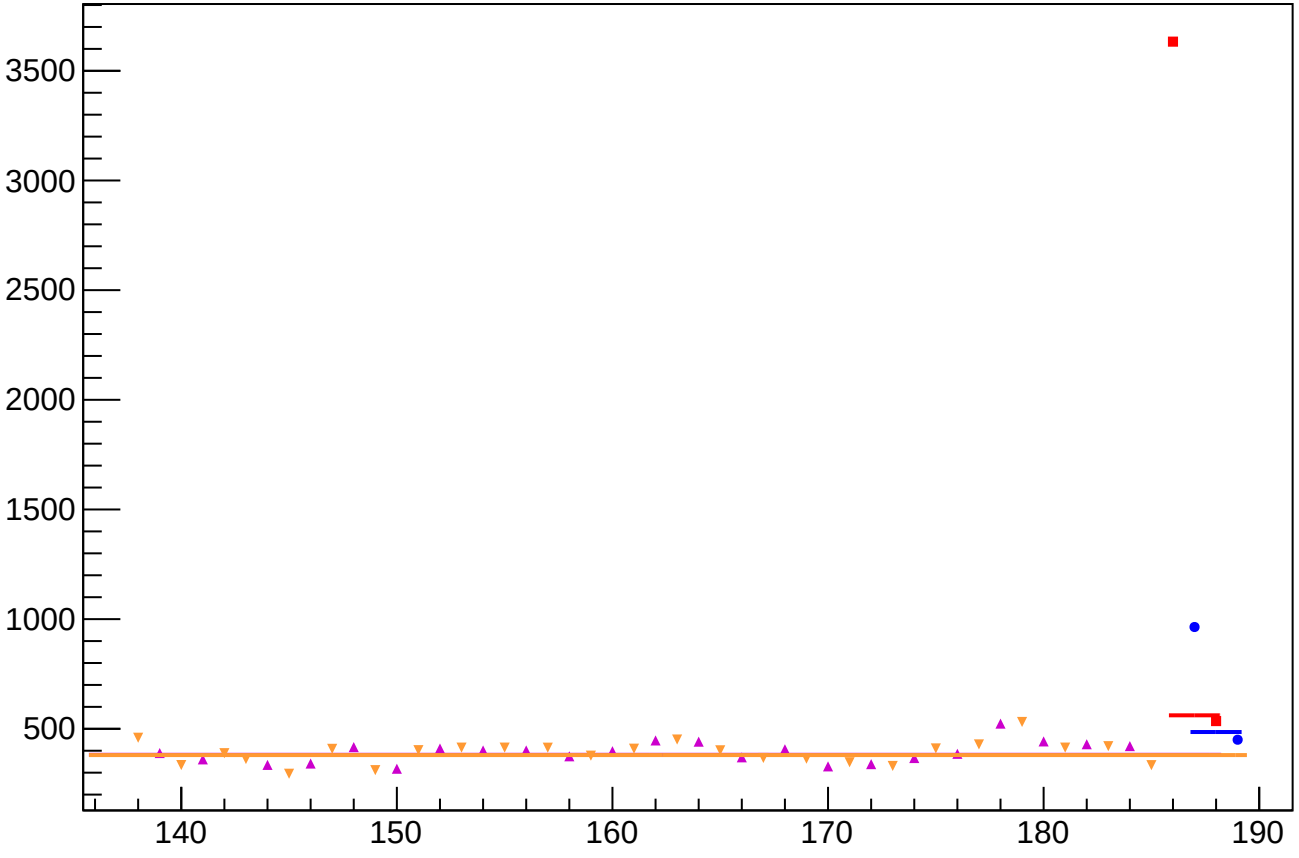
Right: 18.254+/-432.383 $\chi^2$/NDF: 2.3/3

In: -104.405+/-90.777 $\chi^2$/NDF:28.2/24

Out: 342.498+/-88.790 $\chi^2$/NDF:29.3/26

All: 123.991+/-63.475 $\chi^2$/NDF: 69.9/51

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected




Right In: 485.331+/-0.461 $\chi^2$/NDF: 79154.1/1

Left Out: 380.206+/-0.064 $\chi^2$/NDF:616620.6/24

Right Out: 561.466+/-0.409 $\chi^2$/NDF: 483352.3/1

Left In: 381.474+/-0.065 $\chi^2$/NDF:461021.8/22

Left: 380.828+/-0.045 $\chi^2$/NDF: 1077837.5/47

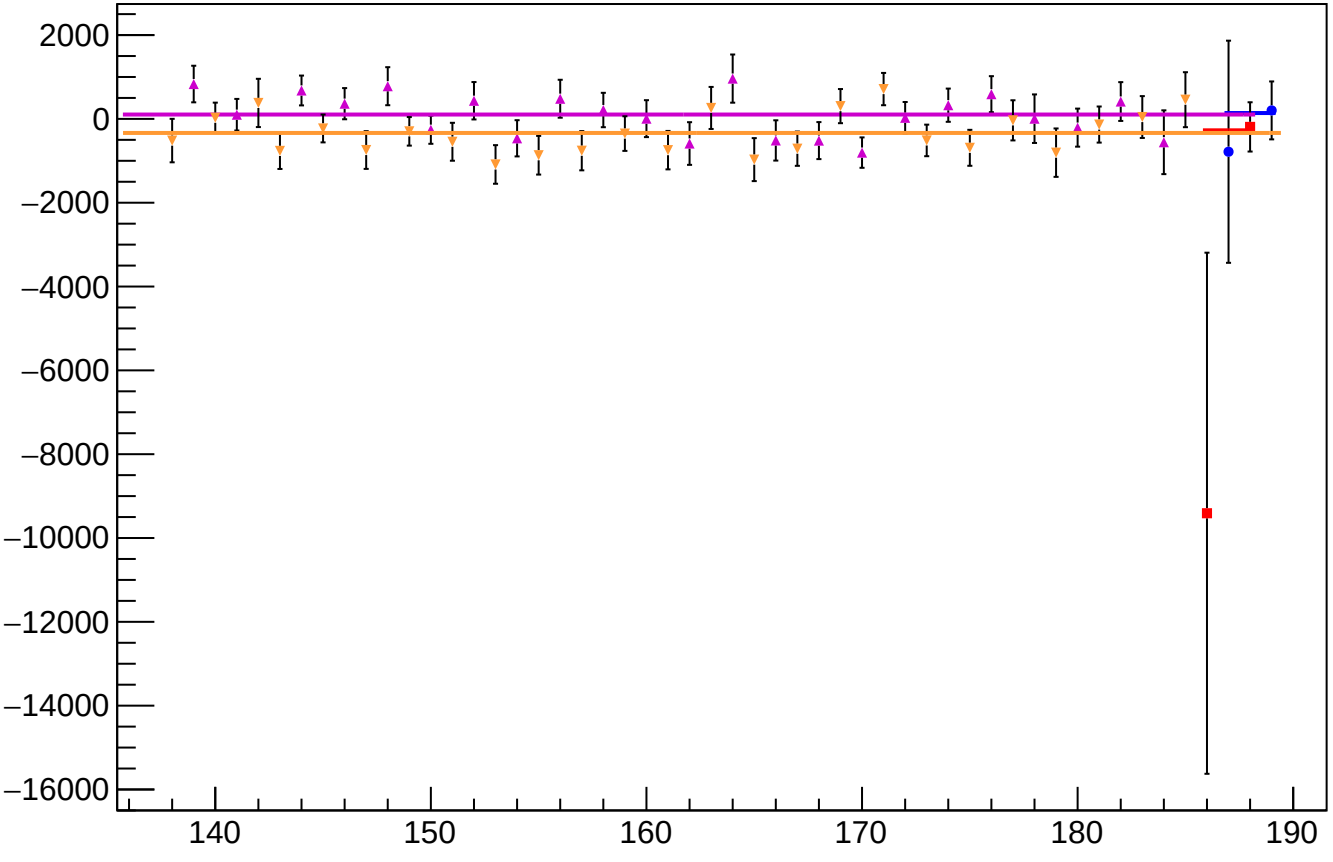
Right: 527.966+/-0.306 $\chi^2$/NDF: 577785.6/3

In: 383.488+/-0.064 $\chi^2$/NDF:589963.6/24

Out: 384.487+/-0.063 $\chi^2$/NDF:1292149.1/26

All: 383.999+/-0.045 $\chi^2$/NDF: 1882236.3/51

# asym_sam_37_48_dd_mean vs Slug, Sign Corrected




Right In: 139.802+/-668.669 $\chi^2$/NDF: 0.1/1

Left Out: -335.242+/-87.706 $\chi^2$/NDF:28.3/24

Right Out: -272.822+/-585.309 $\chi^2$/NDF: 2.2/1

Left In: 104.117+/-89.613 $\chi^2$/NDF:29.7/22

Left: -120.287+/-62.681 $\chi^2$/NDF: 70.2/47

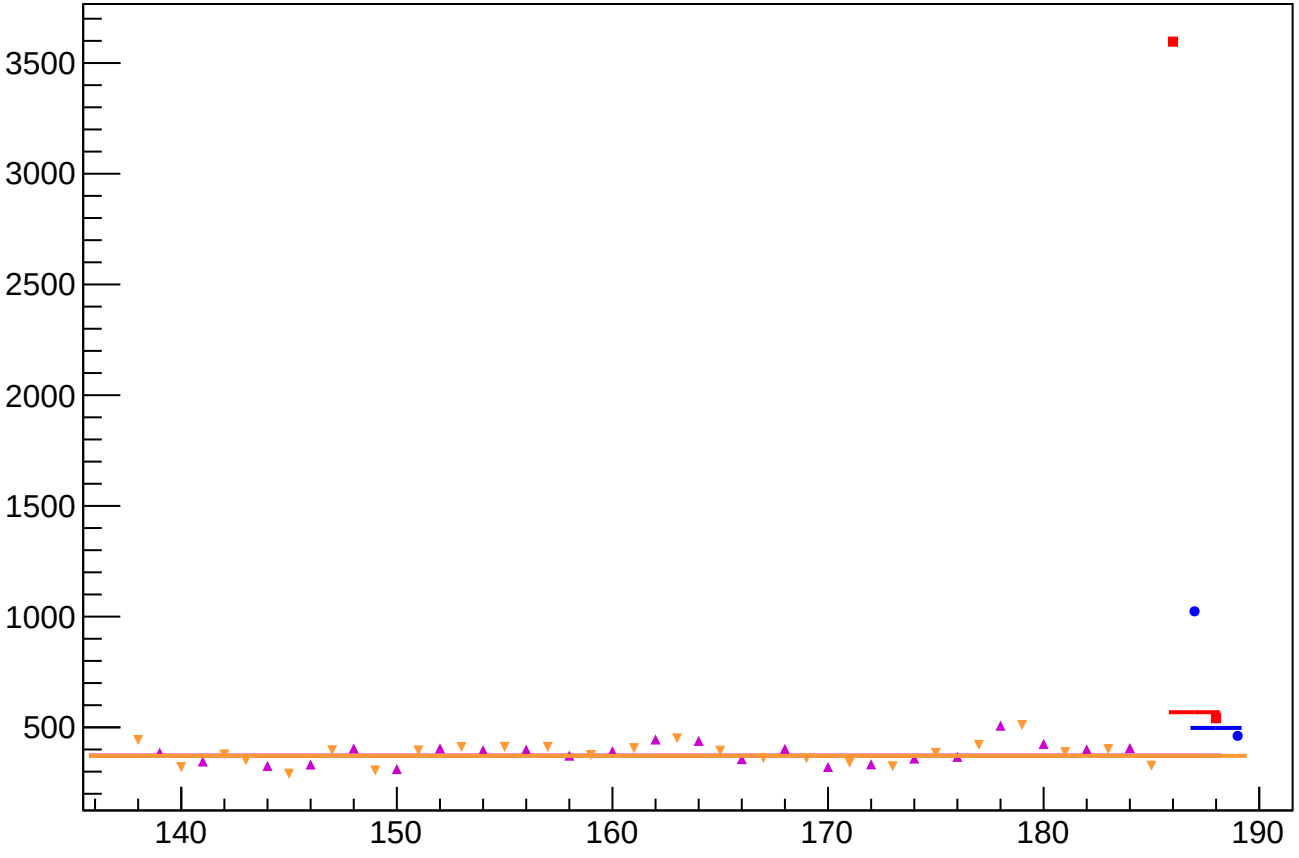
Right: -93.819+/-440.417 $\chi^2$/NDF: 2.5/3

In: 104.747+/-88.819 $\chi^2$/NDF:29.8/24

Out: -333.871+/-86.738 $\chi^2$/NDF:30.5/26

All: -119.762+/-62.056 $\chi^2$/NDF: 72.8/51

# asym_sam_37_48_dd_rms vs Slug, Sign Corrected




Right In: 497.347+/-0.473 $\chi^2$/NDF: 84293.4/1

Left Out: 371.375+/-0.062 $\chi^2$/NDF:604123.3/24

Right Out: 568.284+/-0.414 $\chi^2$/NDF: 478771.0/1

Left In: 372.574+/-0.063 $\chi^2$/NDF:464397.2/22

Left: 371.962+/-0.044 $\chi^2$/NDF: 1068703.4/47

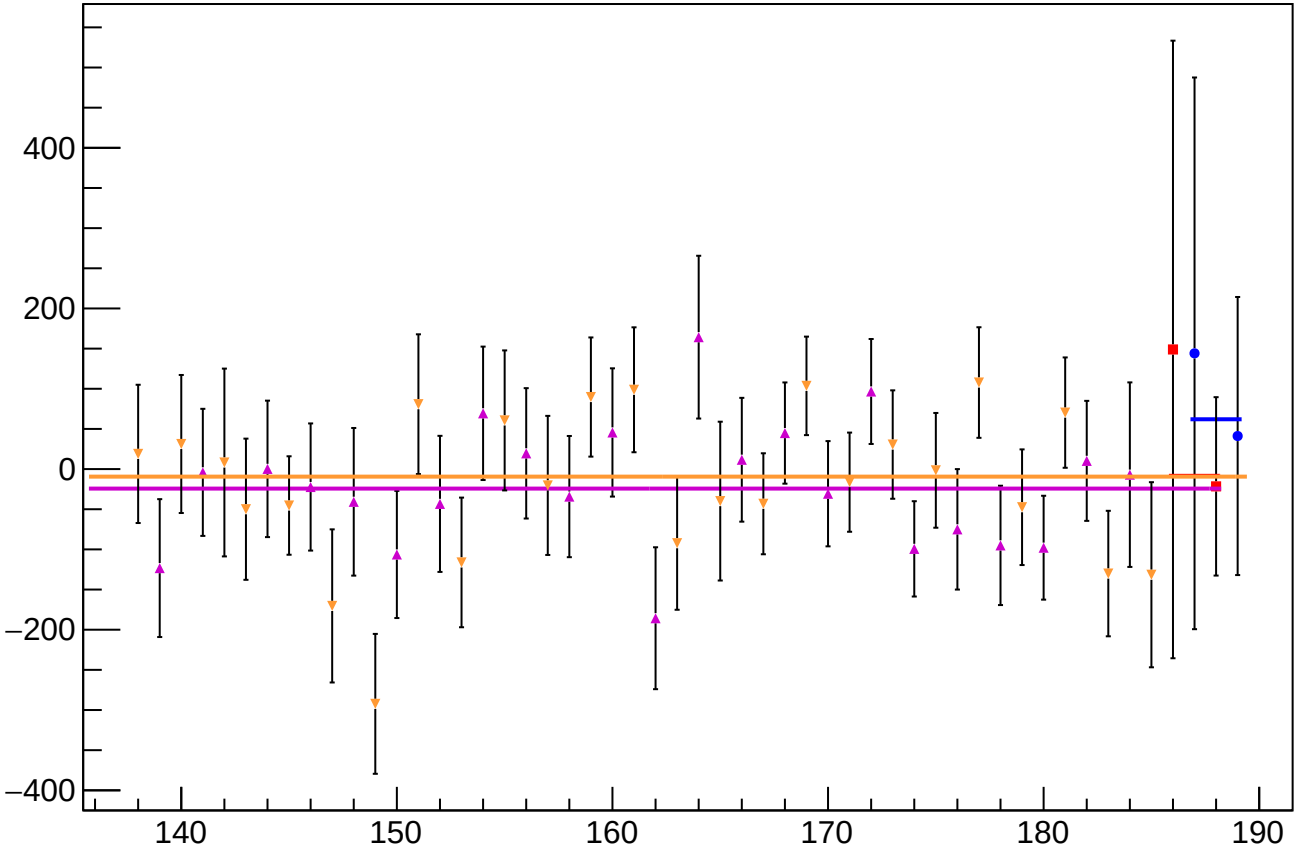
Right: 537.511+/-0.311 $\chi^2$/NDF: 575808.5/3

In: 374.776+/-0.063 $\chi^2$/NDF:617100.7/24

Out: 375.700+/-0.061 $\chi^2$/NDF:1304278.5/26

All: 375.249+/-0.044 $\chi^2$/NDF: 1921489.9/51

# dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected




Right In: 62.018+/-154.597 $\chi^2$/NDF: 0.1/1

Left Out: -9.398+/-15.471 $\chi^2$/NDF:34.7/24

Right Out: -8.401+/-106.703 $\chi^2$/NDF: 0.2/1

Left In: -24.293+/-16.034 $\chi^2$/NDF:21.1/22

Left: -16.580+/-11.133 $\chi^2$/NDF: 56.3/47

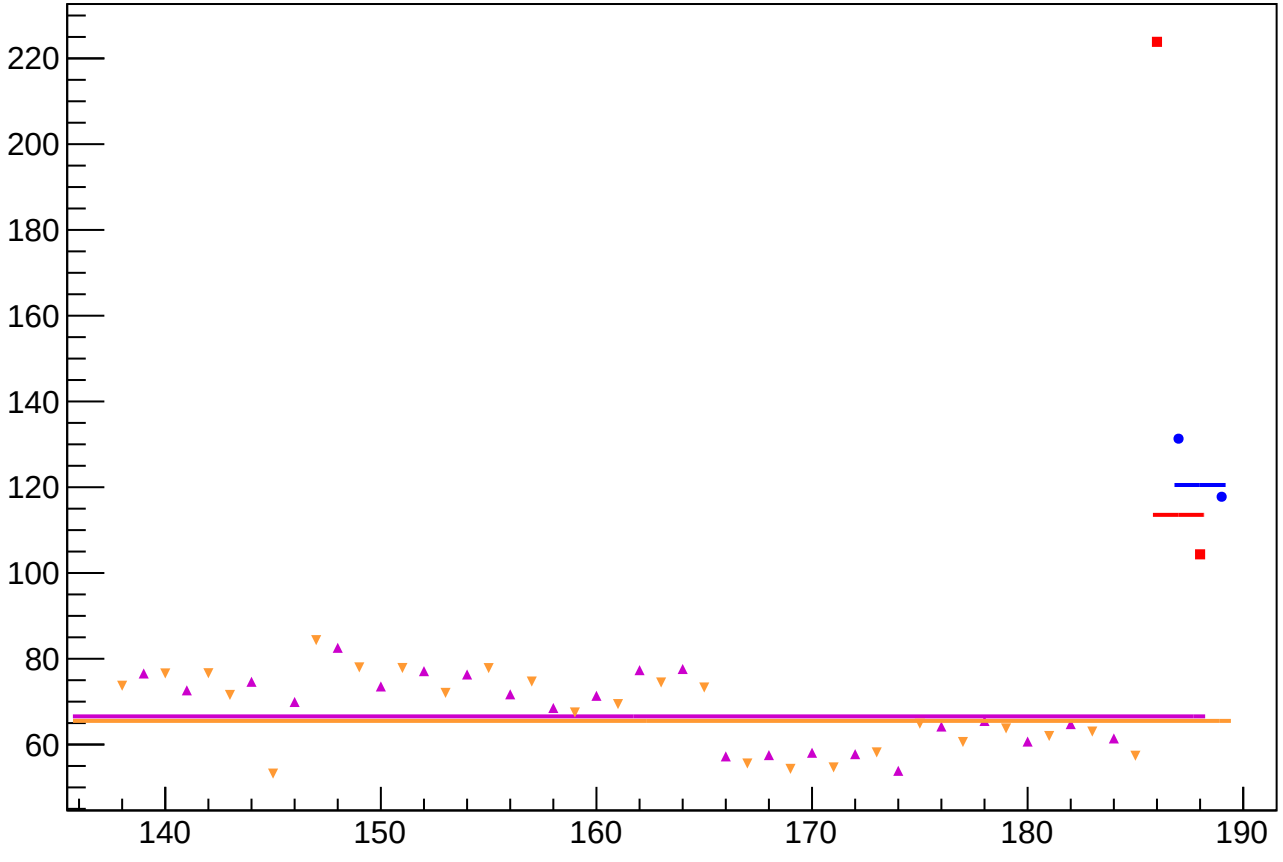
Right: 14.321+/-87.817 $\chi^2$/NDF: 0.4/3

In: -23.375+/-15.948 $\chi^2$/NDF:21.5/24

Out: -9.377+/-15.311 $\chi^2$/NDF:34.9/26

All: -16.091+/-11.045 $\chi^2$/NDF: 56.8/51

# dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected




Right In: 120.522+/-0.109 $\chi^2$/NDF: 2479.3/1

Left Out: 65.512+/-0.011 $\chi^2$/NDF:666993.4/24

Right Out: 113.557+/-0.075 $\chi^2$/NDF: 178342.9/1

Left In: 66.564+/-0.011 $\chi^2$/NDF:521302.1/22

Left: 66.019+/-0.008 $\chi^2$/NDF: 1192752.0/47

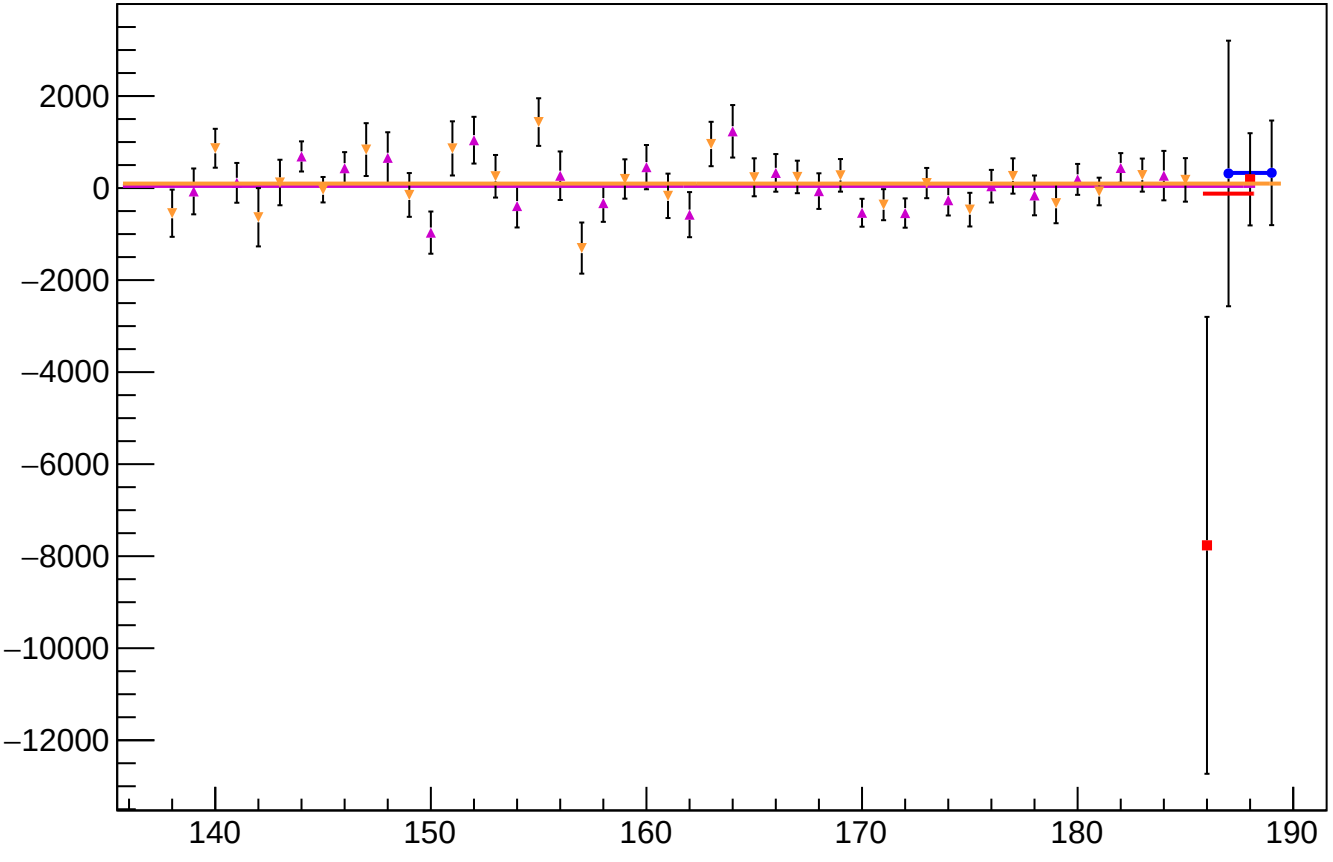
Right: 115.804+/-0.062 $\chi^2$/NDF: 183571.8/3

In: 67.138+/-0.011 $\chi^2$/NDF:764823.6/24

Out: 66.501+/-0.011 $\chi^2$/NDF:1242465.9/26

All: 66.806+/-0.008 $\chi^2$/NDF: 2008948.4/51

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected




Right In: 329.181+/-1057.490 $\chi^2$/NDF: 0.0/1

Left Out: 97.420+/-82.238 $\chi^2$/NDF:33.3/24

Right Out: -121.149+/-982.243 $\chi^2$/NDF: 2.5/1

Left In: 46.660+/-83.857 $\chi^2$/NDF:34.2/22

Left: 72.535+/-58.715 $\chi^2$/NDF: 67.7/47

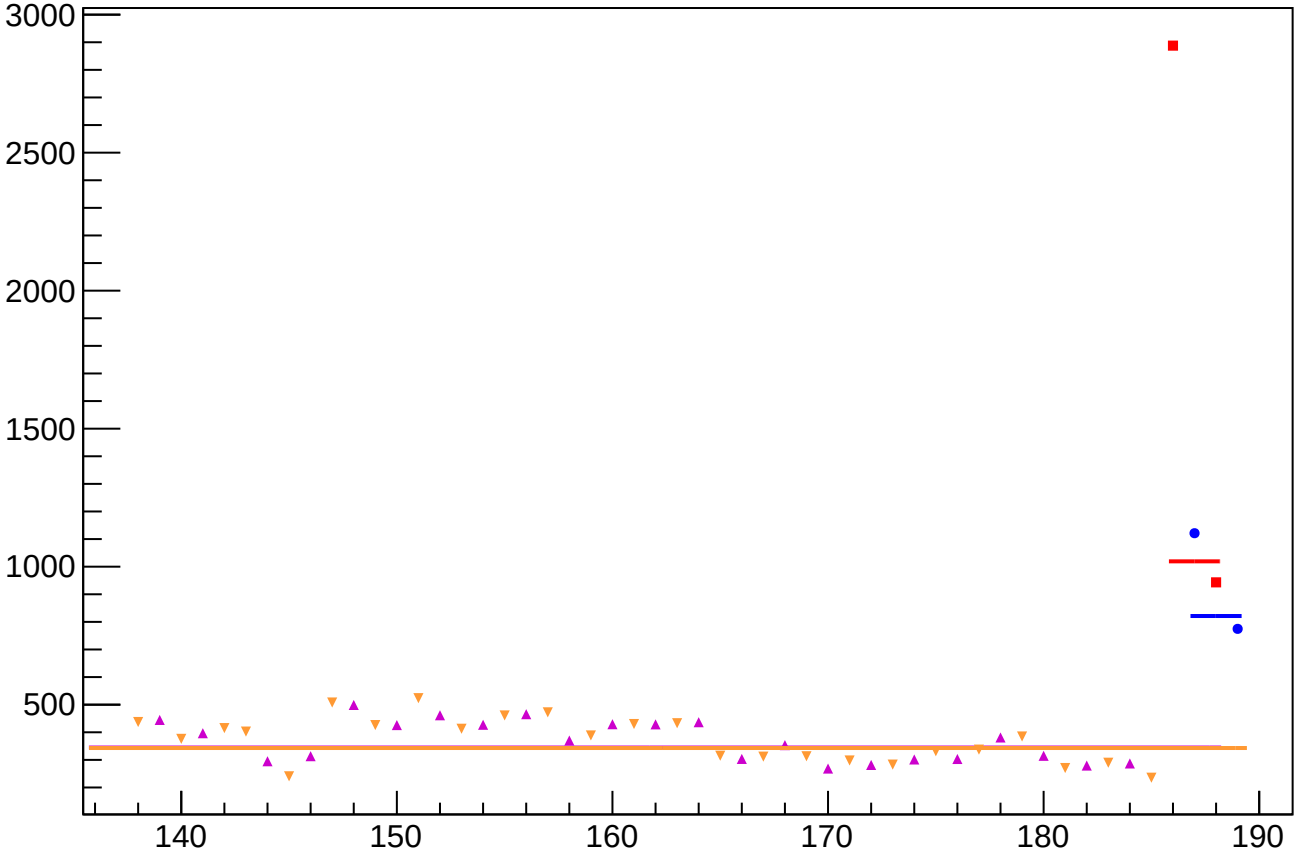
Right: 87.426+/-719.683 $\chi^2$/NDF: 2.6/3

In: 48.425+/-83.595 $\chi^2$/NDF:34.3/24

Out: 95.899+/-81.951 $\chi^2$/NDF:35.8/26

All: 72.633+/-58.521 $\chi^2$/NDF: 70.3/51

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected




Right In: 821.257+/-0.748 $\chi^2$/NDF: 24965.6/1

Left Out: 342.995+/-0.058 $\chi^2$/NDF:1665121.0/24

Right Out: 1019.310+/-0.695 $\chi^2$/NDF: 294773.8/1

Left In: 344.818+/-0.059 $\chi^2$/NDF:1264545.0/22

Left: 343.889+/-0.042 $\chi^2$/NDF: 2930147.7/47

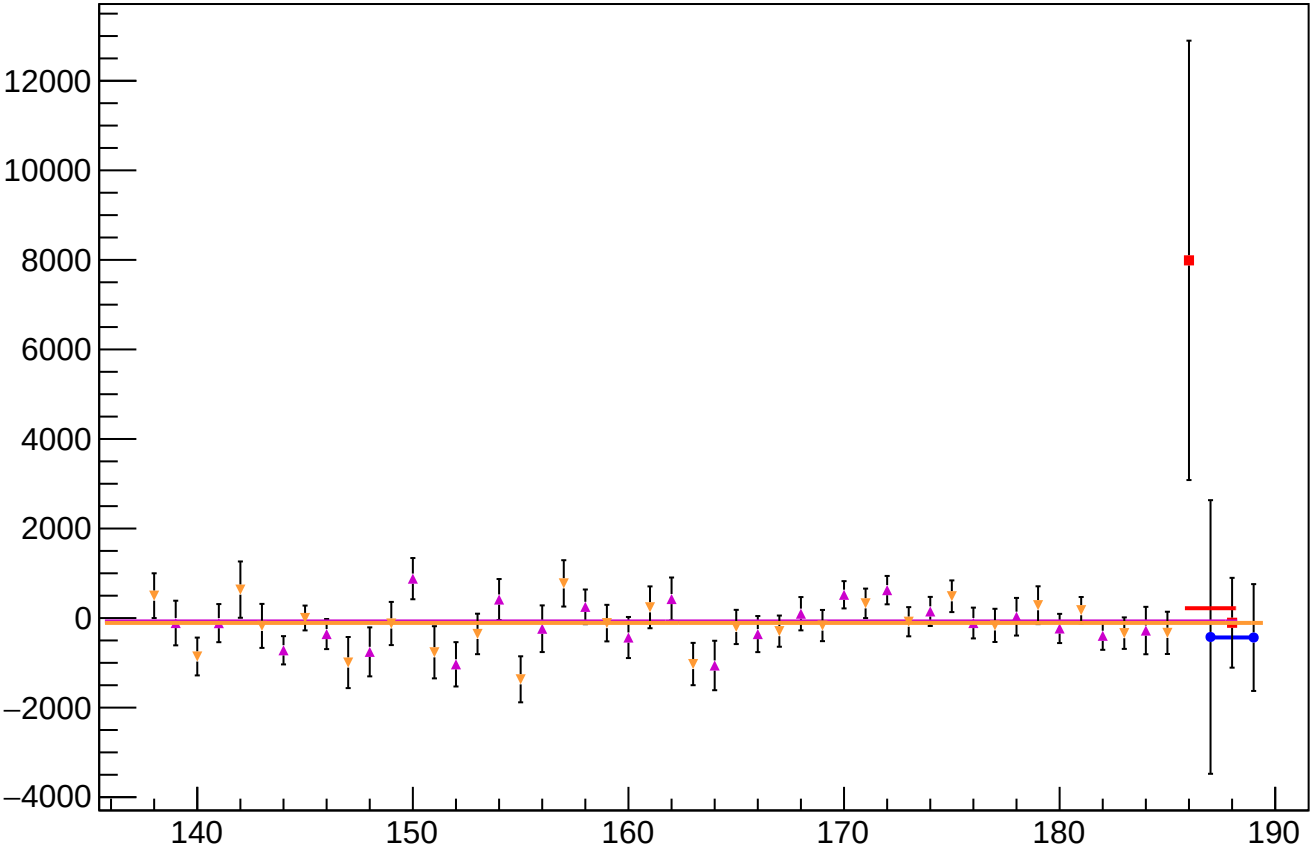
Right: 927.580+/-0.509 $\chi^2$/NDF: 357399.6/3

In: 347.795+/-0.059 $\chi^2$/NDF:1692943.0/24

Out: 347.703+/-0.058 $\chi^2$/NDF:2901472.2/26

All: 347.748+/-0.041 $\chi^2$/NDF: 4594416.4/51

# asym_sam_15_26_dd_mean vs Slug, Sign Corrected




Right In: -433.052+/-1111.388 $\chi^2$/NDF: 0.0/1

Left Out: -108.037+/-80.579 $\chi^2$/NDF:30.9/24

Right Out: 219.996+/-982.725 $\chi^2$/NDF: 2.6/1

Left In: -74.986+/-81.949 $\chi^2$/NDF:32.7/22

Left: -91.790+/-57.456 $\chi^2$/NDF: 63.6/47

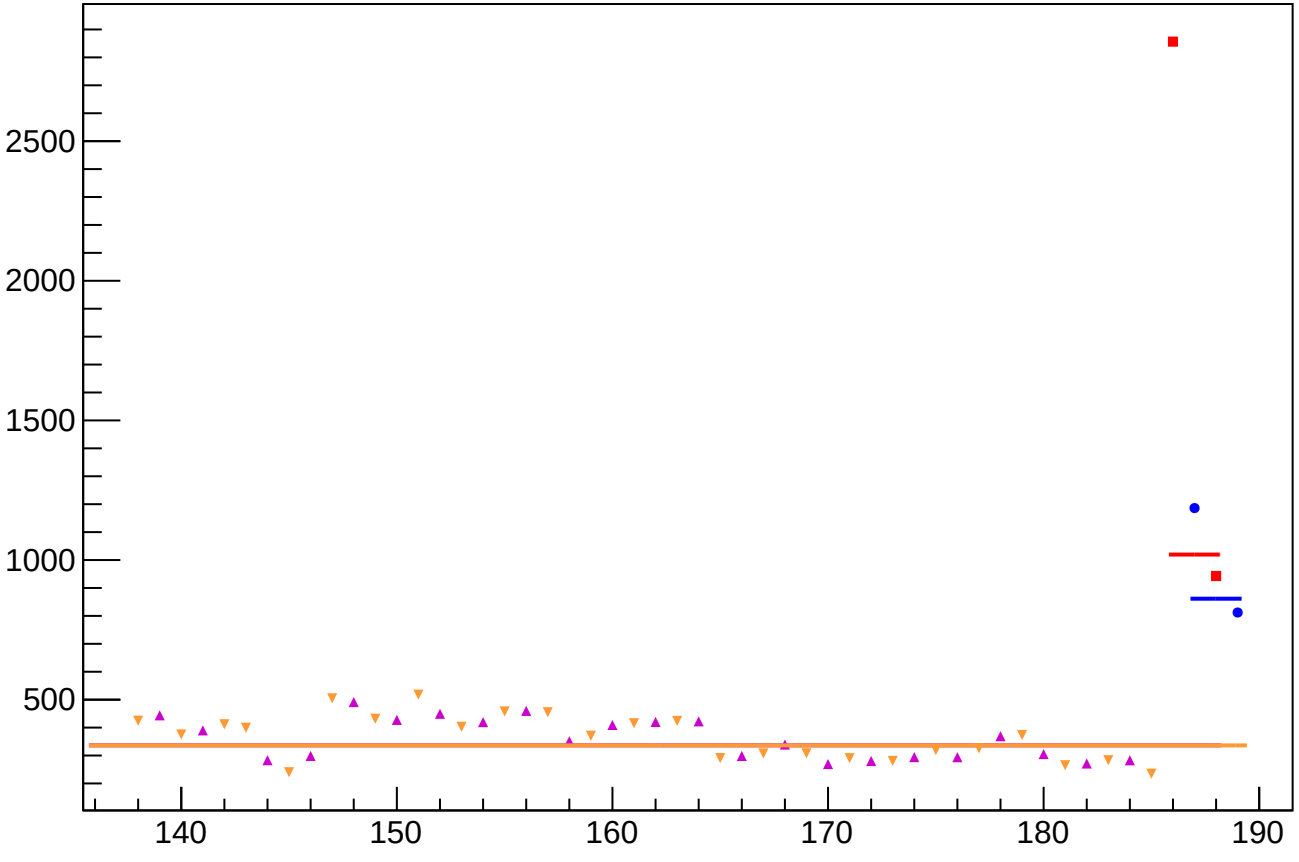
Right: -66.555+/-736.197 $\chi^2$/NDF: 2.8/3

In: -76.922+/-81.727 $\chi^2$/NDF:32.8/24

Out: -105.846+/-80.310 $\chi^2$/NDF:33.6/26

All: -91.637+/-57.282 $\chi^2$/NDF: 66.4/51

# asym_sam_15_26_dd_rms vs Slug, Sign Corrected




Right In: 861.588+/-0.786 $\chi^2$/NDF: 25984.1/1

Left Out: 336.231+/-0.057 $\chi^2$/NDF:1659693.0/24

Right Out: 1019.601+/-0.695 $\chi^2$/NDF: 291973.3/1

Left In: 336.396+/-0.058 $\chi^2$/NDF:1269587.6/22

Left: 336.312+/-0.041 $\chi^2$/NDF: 2929284.8/47

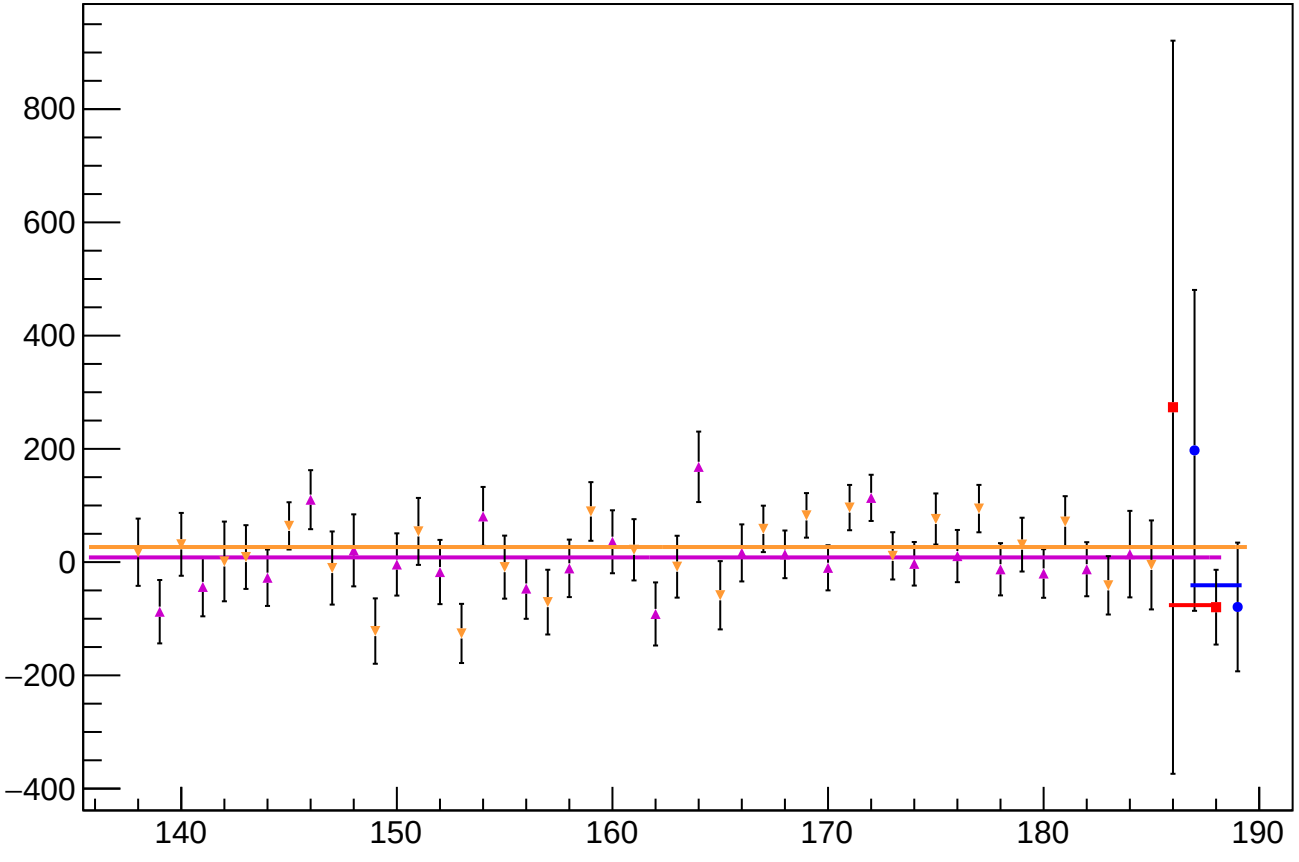
Right: 950.266+/-0.521 $\chi^2$/NDF: 340646.0/3

In: 339.236+/-0.058 $\chi^2$/NDF:1739774.0/24

Out: 340.795+/-0.057 $\chi^2$/NDF:2912322.2/26

All: 340.029+/-0.041 $\chi^2$/NDF: 4652466.4/51

# dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected




Right In: -40.898+/-105.489 $\chi^2$/NDF: 0.8/1

Left Out: 26.633+/-10.090 $\chi^2$/NDF:36.5/24

Right Out: -75.975+/-65.685 $\chi^2$/NDF: 0.3/1

Left In: 8.325+/-10.361 $\chi^2$/NDF:29.6/22

Left: 17.721+/-7.229 $\chi^2$/NDF: 67.7/47

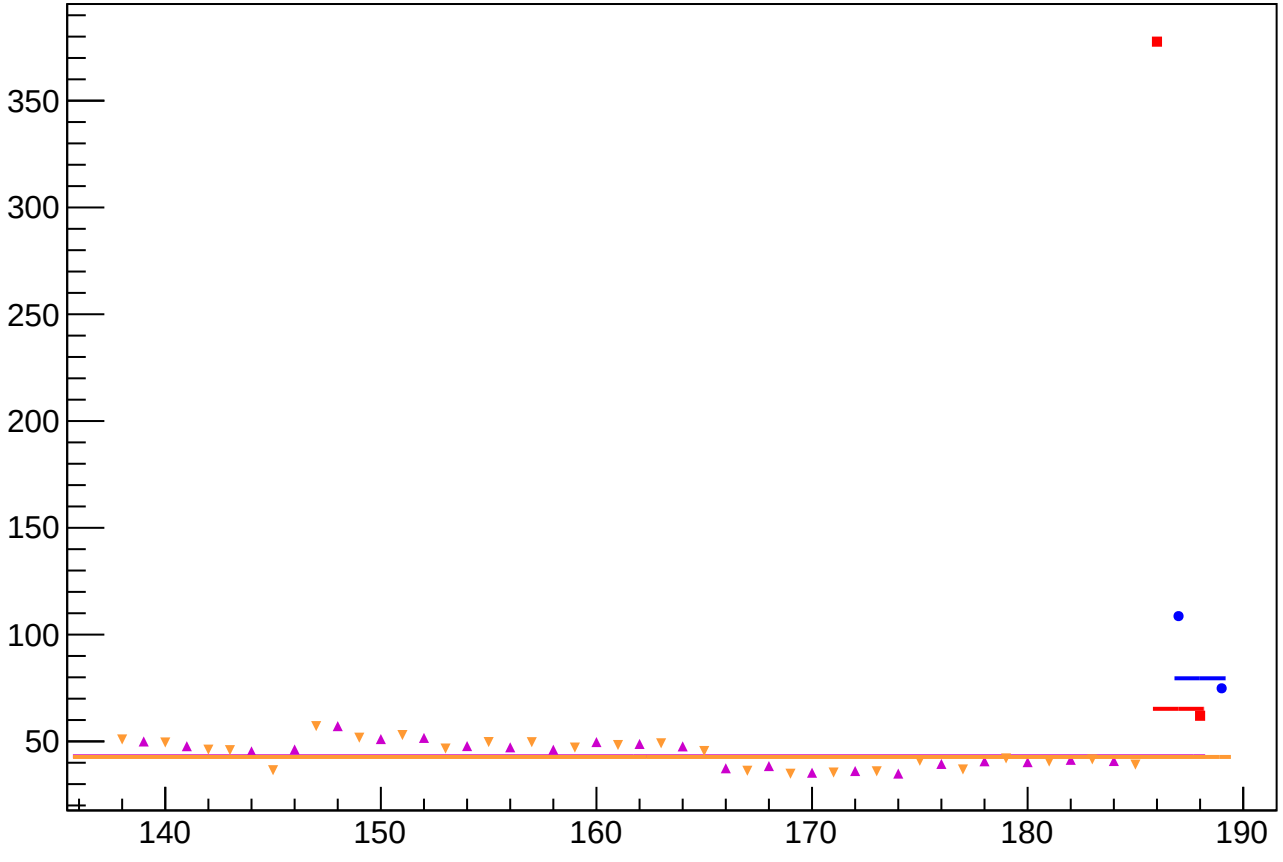
Right: -66.175+/-55.759 $\chi^2$/NDF: 1.2/3

In: 7.855+/-10.311 $\chi^2$/NDF:30.6/24

Out: 24.267+/-9.973 $\chi^2$/NDF:39.1/26

All: 16.334+/-7.169 $\chi^2$/NDF: 71.1/51

# dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected




Right In: 79.541+/-0.075 $\chi^2$/NDF: 24514.4/1

Left Out: 42.716+/-0.007 $\chi^2$/NDF:771558.7/24

Right Out: 65.252+/-0.046 $\chi^2$/NDF: 470537.2/1

Left In: 43.021+/-0.007 $\chi^2$/NDF:642598.9/22

Left: 42.865+/-0.005 $\chi^2$/NDF: 1415050.2/47

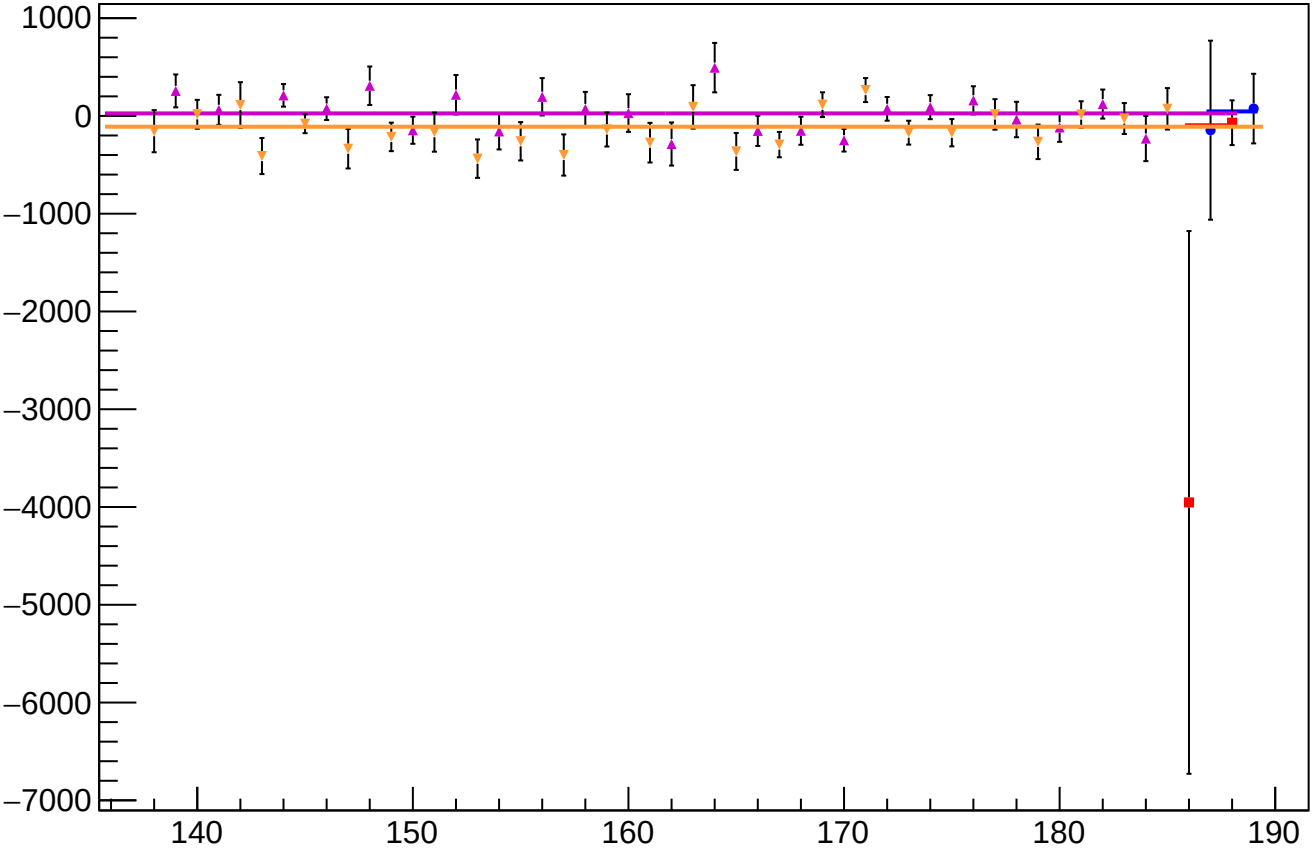
Right: 69.244+/-0.039 $\chi^2$/NDF: 521496.1/3

In: 43.370+/-0.007 $\chi^2$/NDF:904523.5/24

Out: 43.235+/-0.007 $\chi^2$/NDF:1472087.1/26

All: 43.301+/-0.005 $\chi^2$/NDF: 2376787.5/51

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected




Right In: 46.016+/-331.760 $\chi^2$/NDF: 0.1/1

Left Out: -110.340+/-31.717 $\chi^2$/NDF:33.0/24

Right Out: -95.576+/-228.105 $\chi^2$/NDF: 1.9/1

Left In: 25.828+/-32.100 $\chi^2$/NDF:29.0/22

Left: -43.073+/-22.561 $\chi^2$/NDF: 71.1/47

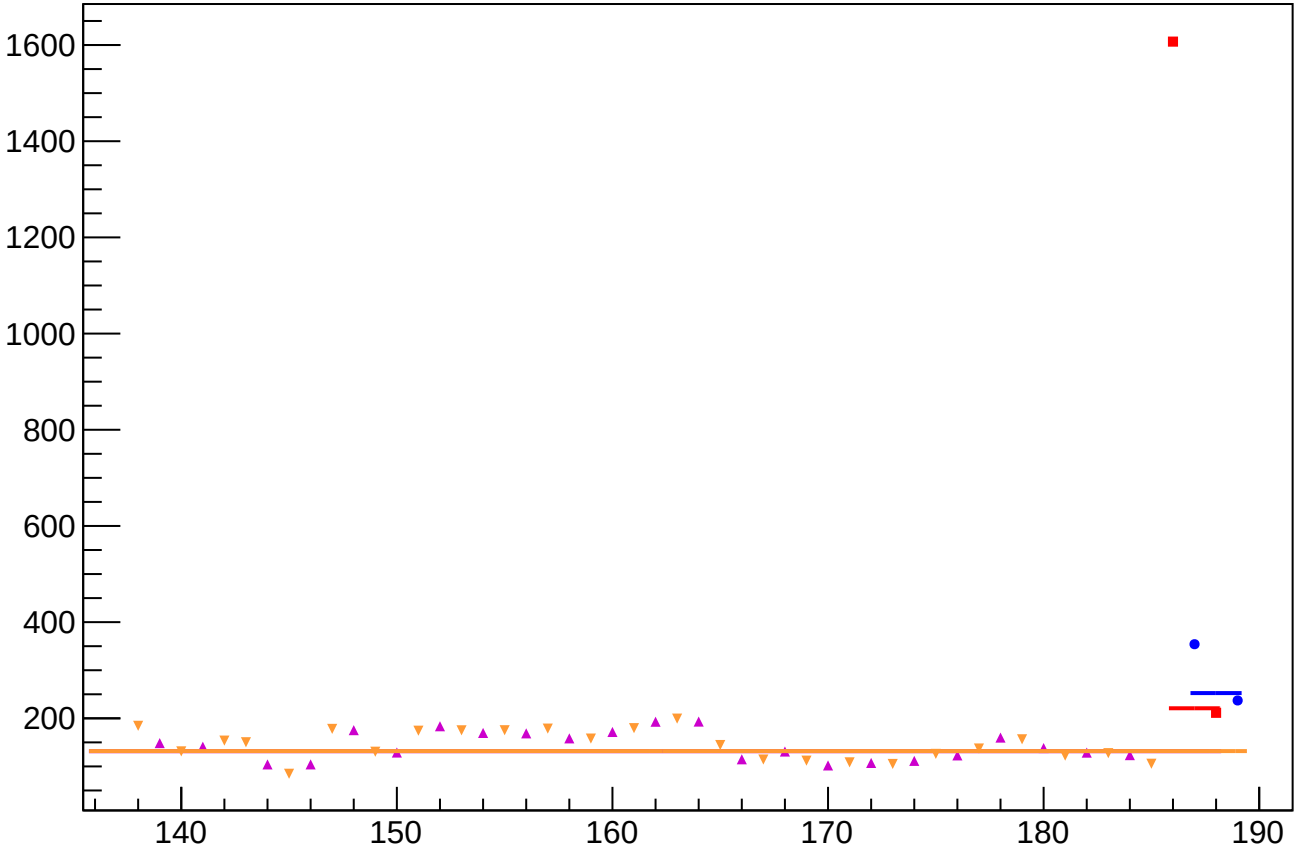
Right: -50.126+/-187.963 $\chi^2$/NDF: 2.1/3

In: 26.015+/-31.950 $\chi^2$/NDF:29.1/24

Out: -110.060+/-31.415 $\chi^2$/NDF:34.9/26

All: -43.173+/-22.401 $\chi^2$/NDF: 73.2/51

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected




Right In: 252.497+/-0.235 $\chi^2$/NDF: 28357.4/1

Left Out: 131.875+/-0.022 $\chi^2$/NDF:1806379.2/24

Right Out: 220.910+/-0.161 $\chi^2$/NDF: 502220.0/1

Left In: 131.630+/-0.023 $\chi^2$/NDF:1403692.5/22

Left: 131.754+/-0.016 $\chi^2$/NDF: 3210130.7/47

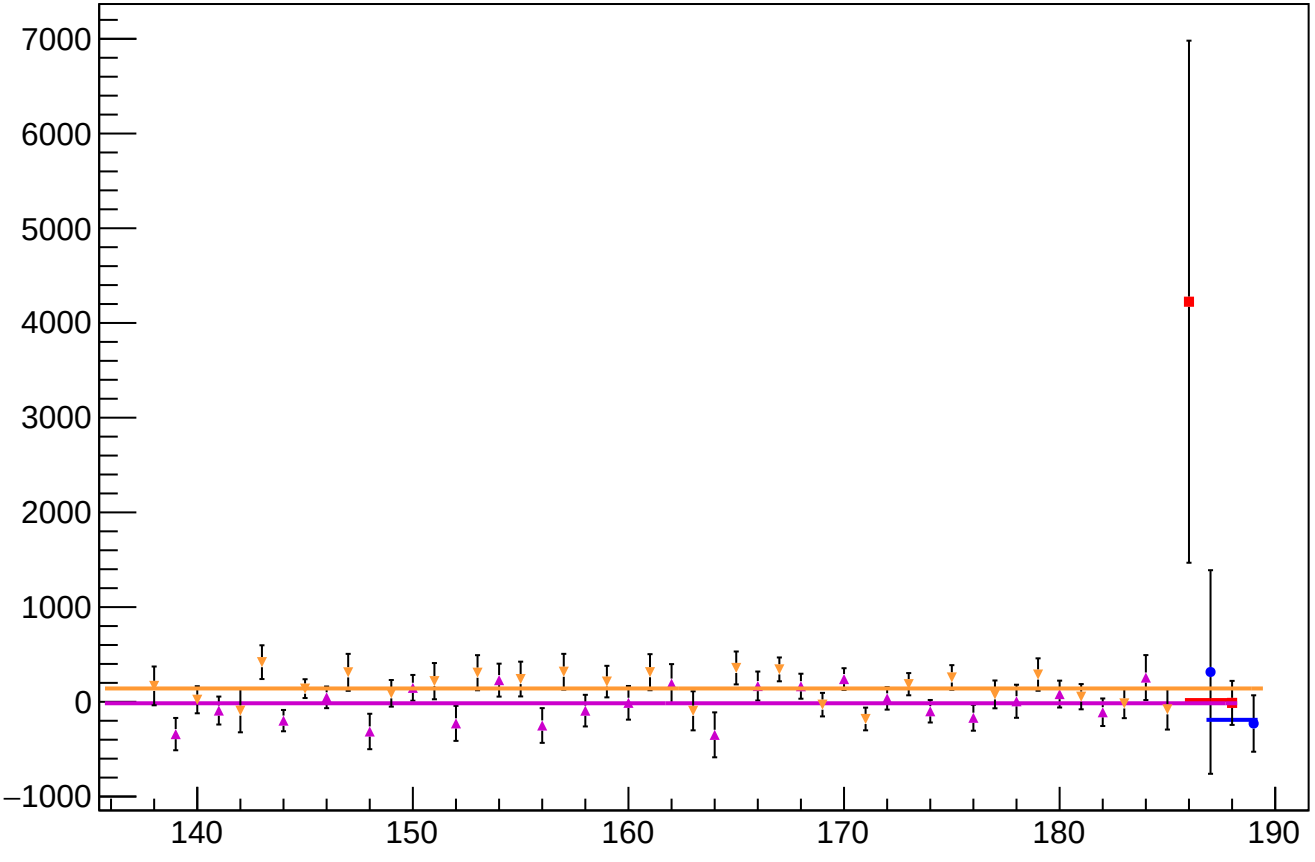
Right: 231.049+/-0.133 $\chi^2$/NDF: 542887.5/3

In: 132.751+/-0.023 $\chi^2$/NDF:1695049.0/24

Out: 133.563+/-0.022 $\chi^2$/NDF:2607532.8/26

All: 133.164+/-0.016 $\chi^2$/NDF: 4303239.9/51

# asym_sam_37_26_dd_mean vs Slug, Sign Corrected




Right In: -190.213+/-287.148 $\chi^2$/NDF: 0.2/1

Left Out: 141.008+/-30.636 $\chi^2$/NDF:27.1/24

Right Out: 18.590+/-231.589 $\chi^2$/NDF: 2.3/1

Left In: -15.199+/-31.033 $\chi^2$/NDF:31.4/22

Left: 63.911+/-21.802 $\chi^2$/NDF: 71.3/47

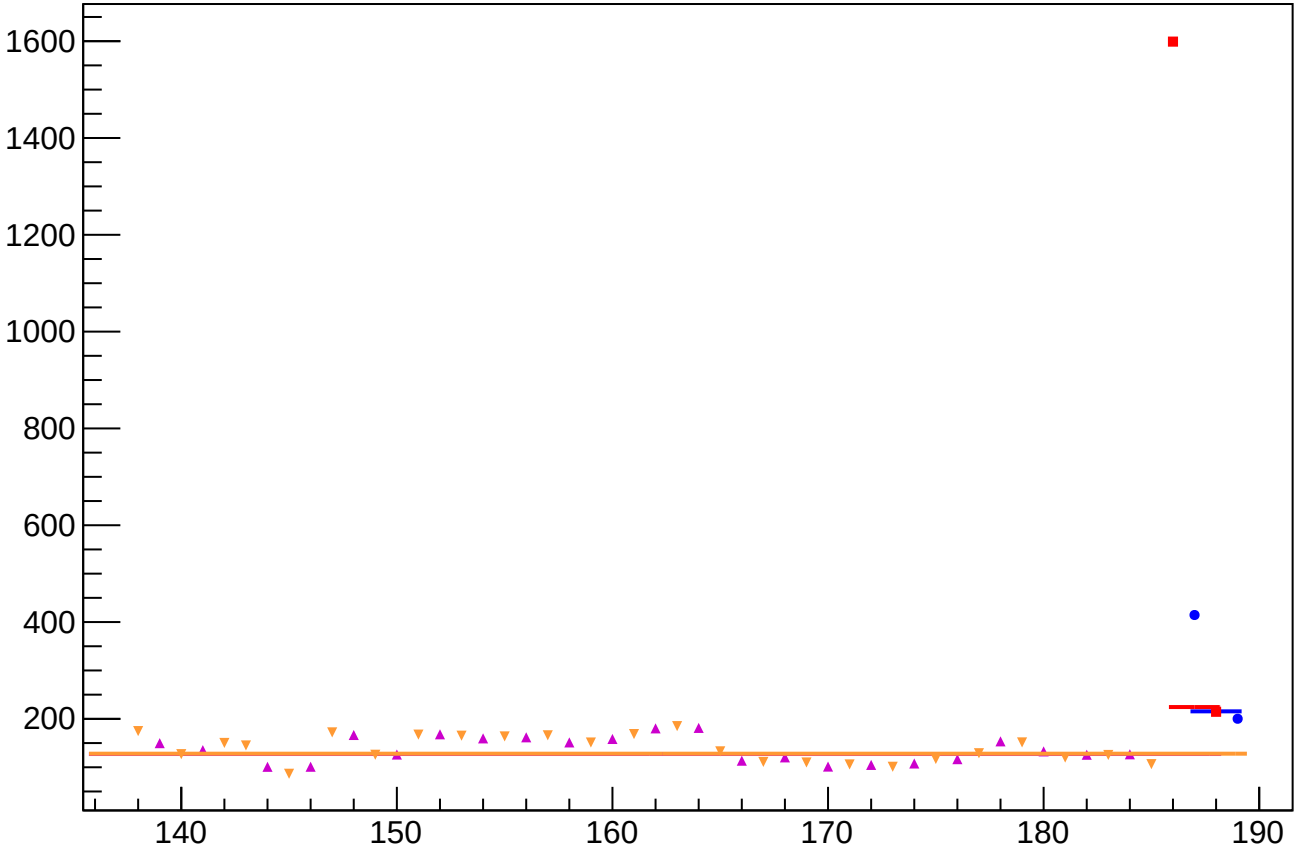
Right: -63.702+/-180.266 $\chi^2$/NDF: 2.9/3

In: -17.219+/-30.853 $\chi^2$/NDF:32.0/24

Out: 138.903+/-30.371 $\chi^2$/NDF:29.8/26

All: 62.071+/-21.644 $\chi^2$/NDF: 74.7/51

# asym_sam_37_26_dd_rms vs Slug, Sign Corrected




Right In: 215.536+/-0.203 $\chi^2$/NDF: 73849.2/1

Left Out: 128.060+/-0.022 $\chi^2$/NDF:1530283.7/24

Right Out: 224.418+/-0.164 $\chi^2$/NDF: 501114.0/1

Left In: 127.380+/-0.022 $\chi^2$/NDF:1229899.0/22

Left: 127.724+/-0.015 $\chi^2$/NDF: 2760669.0/47

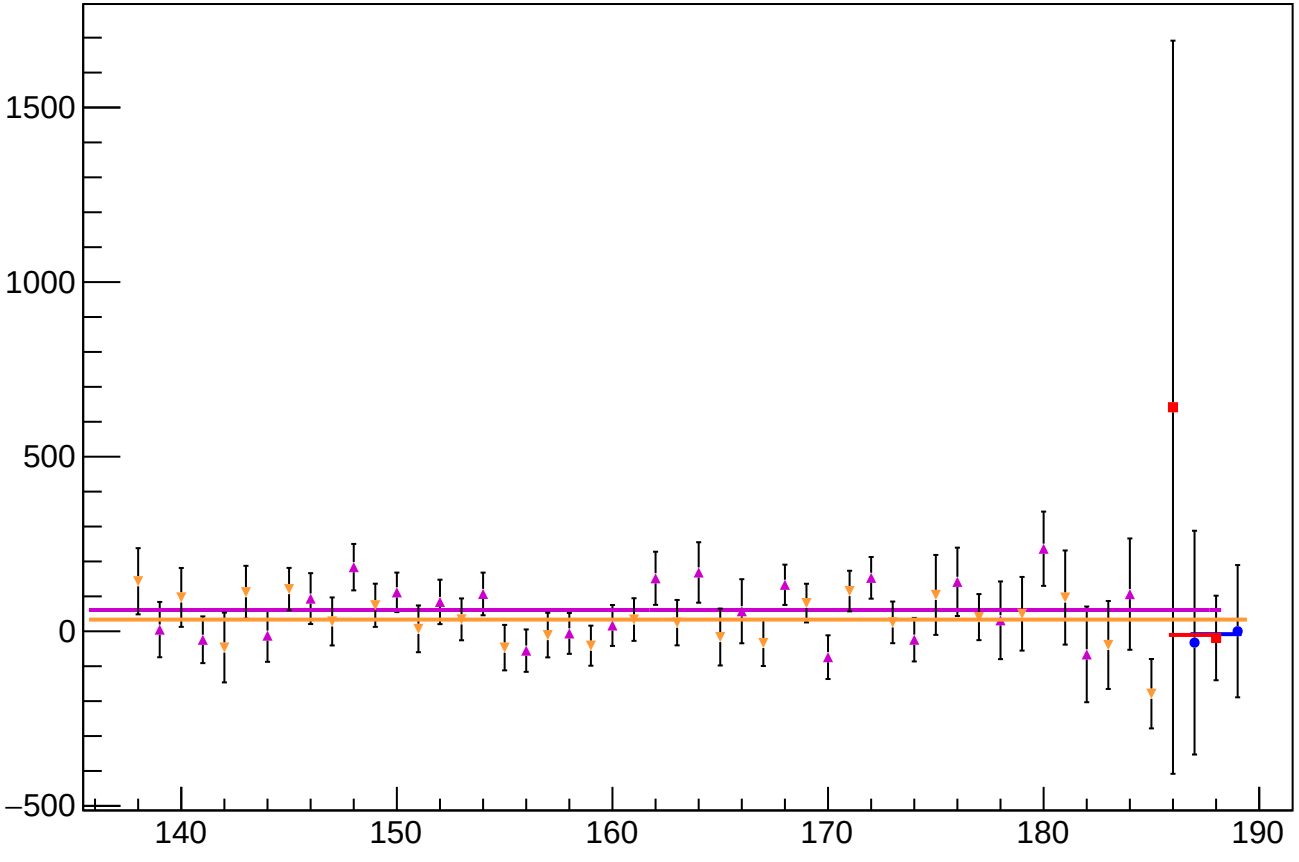
Right: 220.918+/-0.127 $\chi^2$/NDF: 576122.7/3

In: 128.397+/-0.022 $\chi^2$/NDF:1490078.9/24

Out: 129.717+/-0.021 $\chi^2$/NDF:2371680.4/26

All: 129.067+/-0.015 $\chi^2$/NDF: 3863616.7/51

# dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected




Right In: -8.211+/-163.041 $\chi^2$/NDF: 0.0/1

Left Out: 33.535+/-14.197 $\chi^2$/NDF:19.7/24

Right Out: -10.479+/-120.271 $\chi^2$/NDF: 0.4/1

Left In: 60.992+/-14.839 $\chi^2$/NDF:31.6/22

Left: 46.656+/-10.258 $\chi^2$/NDF: 53.0/47

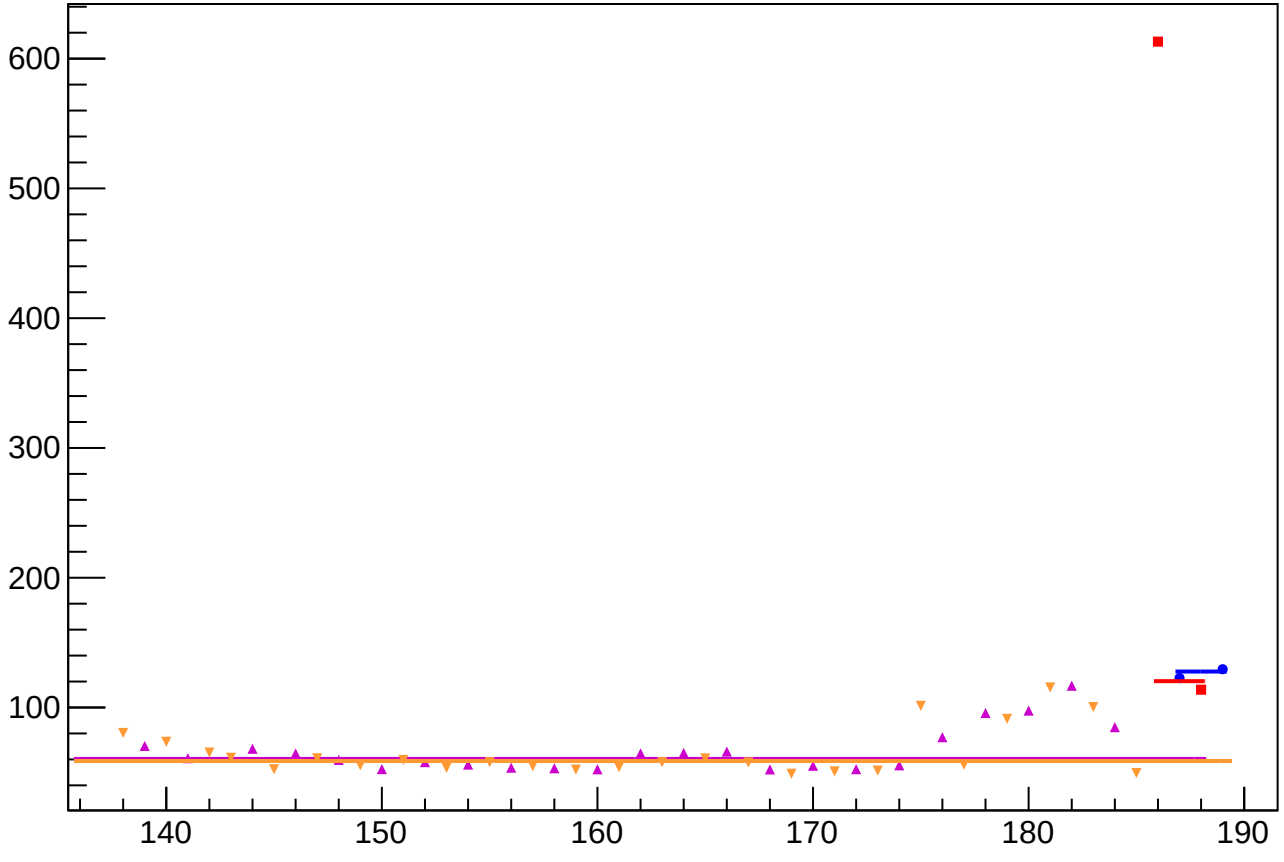
Right: -9.680+/-96.786 $\chi^2$/NDF: 0.4/3

In: 60.423+/-14.778 $\chi^2$/NDF:31.8/24

Out: 32.930+/-14.099 $\chi^2$/NDF:20.2/26

All: 46.030+/-10.201 $\chi^2$/NDF: 53.8/51

# dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected




Right In: 127.710+/-0.115 $\chi^2$/NDF: 682.1/1

Left Out: 58.793+/-0.010 $\chi^2$/NDF:1460561.7/24

Right Out: 120.288+/-0.085 $\chi^2$/NDF: 446662.5/1

Left In: 60.355+/-0.010 $\chi^2$/NDF:1217671.4/22

Left: 59.539+/-0.007 $\chi^2$/NDF: 2689802.0/47

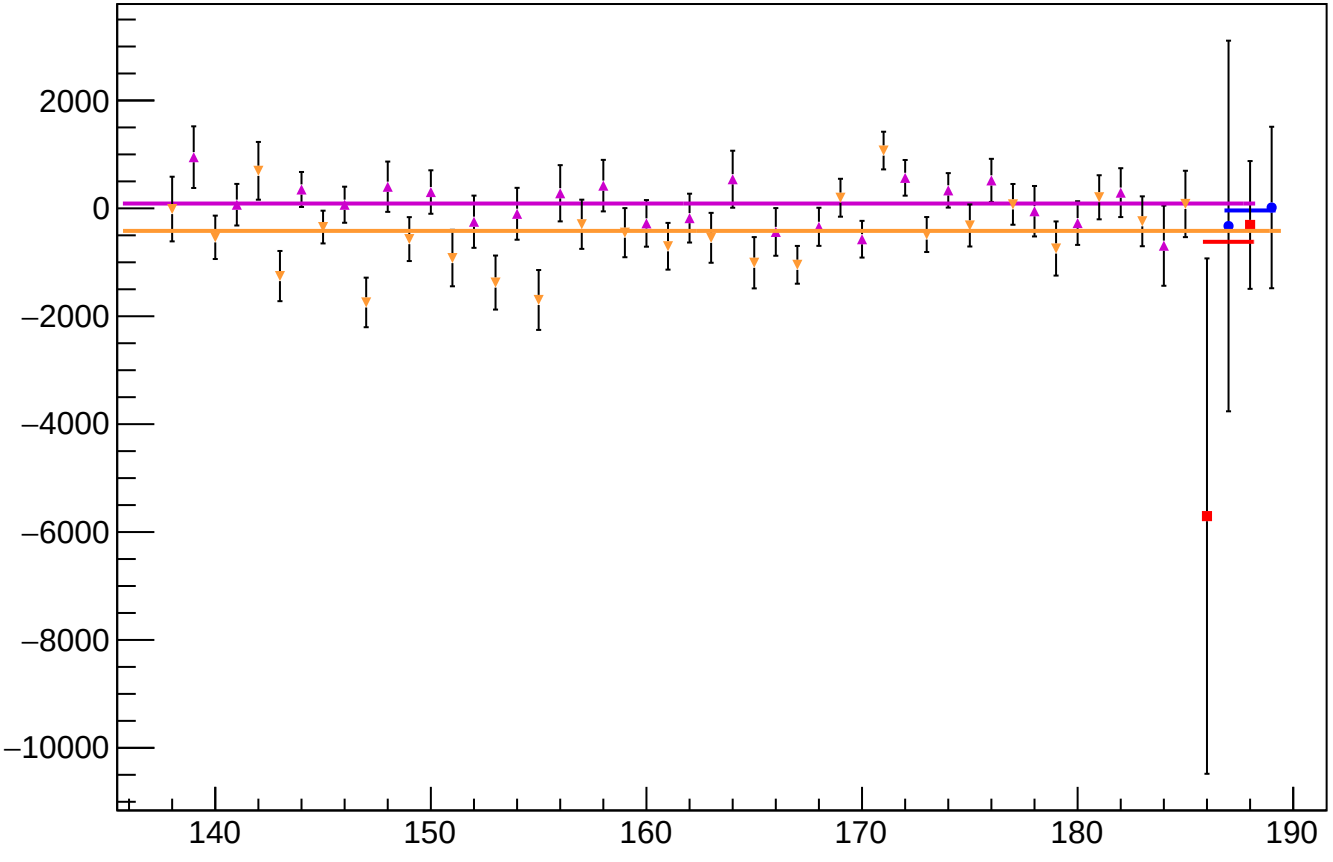
Right: 122.903+/-0.068 $\chi^2$/NDF: 450028.8/3

In: 60.908+/-0.010 $\chi^2$/NDF:1556878.1/24

Out: 59.638+/-0.010 $\chi^2$/NDF:2422897.3/26

All: 60.243+/-0.007 $\chi^2$/NDF: 3987510.8/51

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected




Right In: -38.769+/-1372.075 $\chi^2$/NDF: 0.0/1

Left Out: -417.817+/-84.969 $\chi^2$/NDF:58.5/24

Right Out: -620.175+/-1149.636 $\chi^2$/NDF: 1.2/1

Left In: 89.505+/-86.438 $\chi^2$/NDF:19.4/22

Left: -168.504+/-60.595 $\chi^2$/NDF: 95.4/47

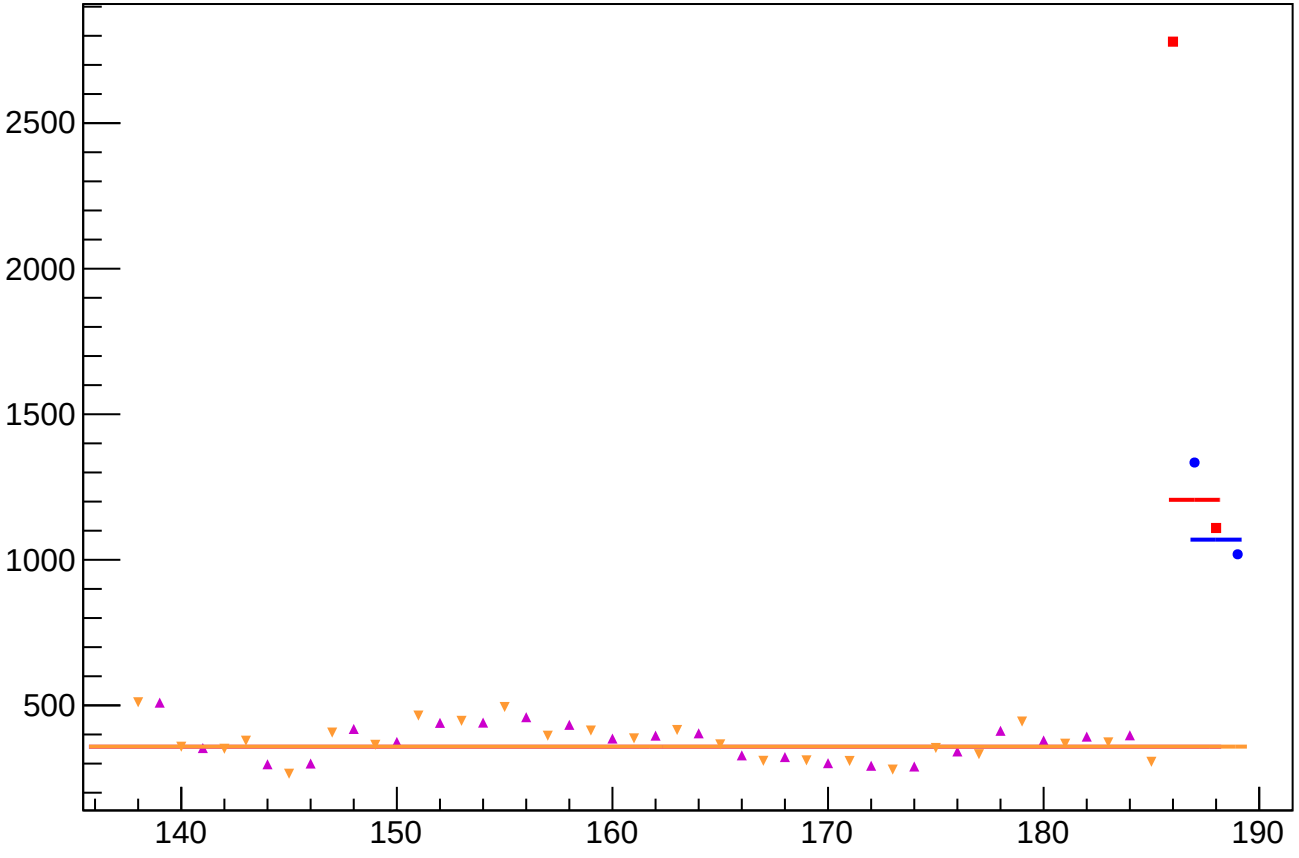
Right: -380.361+/-881.201 $\chi^2$/NDF: 1.3/3

In: 88.998+/-86.267 $\chi^2$/NDF:19.4/24

Out: -418.917+/-84.738 $\chi^2$/NDF:59.7/26

All: -169.501+/-60.452 $\chi^2$/NDF: 96.8/51

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected




Right In: 1069.273+/-0.970 $\chi^2$/NDF: 14150.1/1

Left Out: 358.349+/-0.060 $\chi^2$/NDF:1011872.8/24

Right Out: 1206.072+/-0.813 $\chi^2$/NDF: 230461.8/1

Left In: 357.802+/-0.061 $\chi^2$/NDF:893330.5/22

Left: 358.080+/-0.043 $\chi^2$/NDF: 1905244.1/47

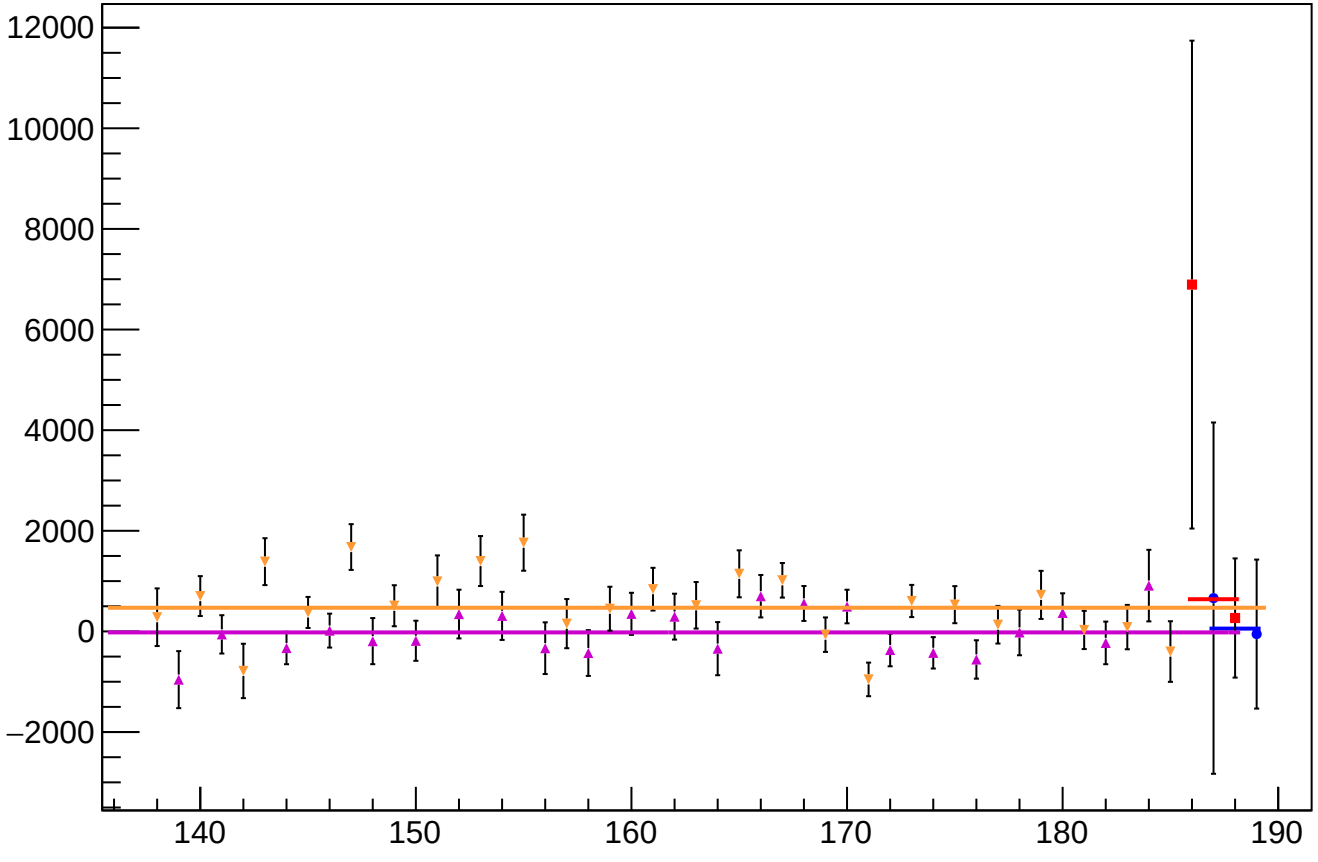
Right: 1149.646+/-0.623 $\chi^2$/NDF: 256292.5/3

In: 360.614+/-0.061 $\chi^2$/NDF:1443116.4/24

Out: 362.955+/-0.060 $\chi^2$/NDF:2323894.3/26

All: 361.805+/-0.043 $\chi^2$/NDF: 3767759.9/51

# asym_sam_1357_avg_mean vs Slug, Sign Corrected




Right In: 56.117+/-1363.193 $\chi^2$/NDF: 0.0/1

Left Out: 470.804+/-83.480 $\chi^2$/NDF:58.7/24

Right Out: 640.169+/-1150.738 $\chi^2$/NDF: 1.8/1

Left In: -19.328+/-84.679 $\chi^2$/NDF:23.7/22

Left: 229.235+/-59.449 $\chi^2$/NDF: 99.4/47

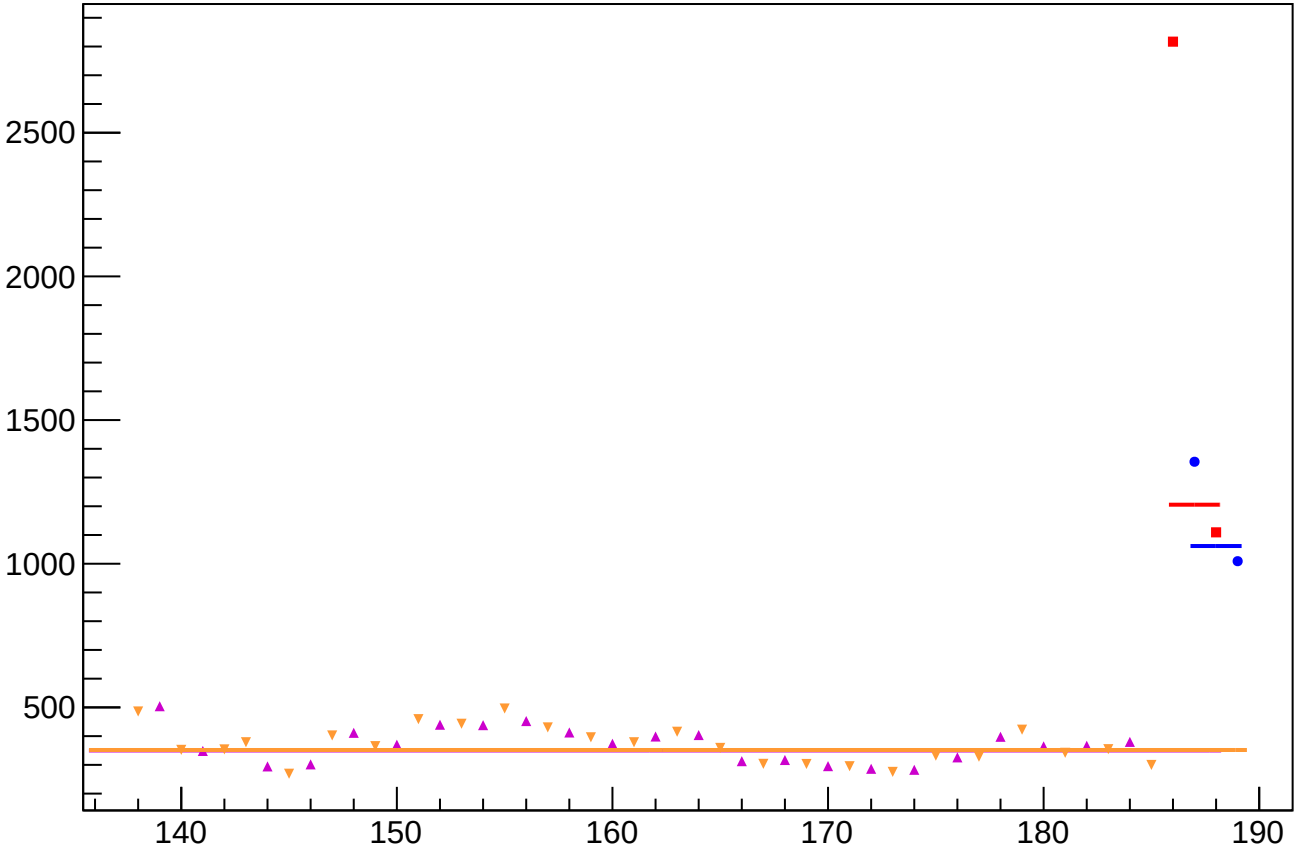
Right: 397.152+/-879.326 $\chi^2$/NDF: 1.9/3

In: -19.038+/-84.516 $\chi^2$/NDF:23.7/24

Out: 471.691+/-83.261 $\chi^2$/NDF:60.5/26

All: 229.999+/-59.313 $\chi^2$/NDF: 101.3/51

# asym_sam_1357_avg_rms vs Slug, Sign Corrected




Right In: 1061.636+/-0.964 $\chi^2$/NDF: 16653.2/1

Left Out: 351.777+/-0.059 $\chi^2$/NDF:1016791.1/24

Right Out: 1205.454+/-0.814 $\chi^2$/NDF: 234151.0/1

Left In: 350.037+/-0.060 $\chi^2$/NDF:889435.7/22

Left: 350.919+/-0.042 $\chi^2$/NDF: 1906655.0/47

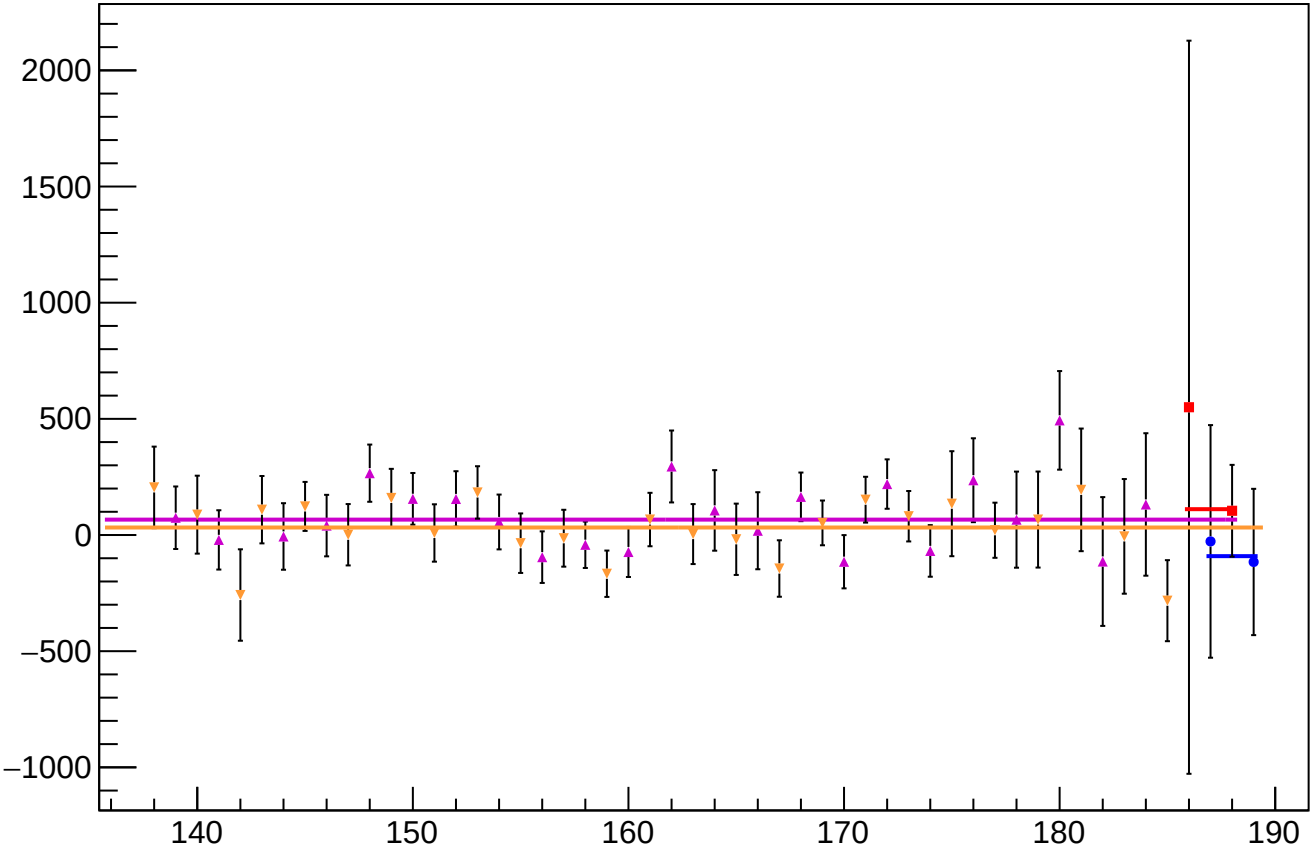
Right: 1145.613+/-0.622 $\chi^2$/NDF: 263802.5/3

In: 352.772+/-0.060 $\chi^2$/NDF:1448980.6/24

Out: 356.246+/-0.059 $\chi^2$/NDF:2345868.2/26

All: 354.535+/-0.042 $\chi^2$/NDF: 3796563.5/51

# dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected




Right In: -90.946+/-266.524 $\chi^2$/NDF: 0.0/1

Left Out: 32.332+/-26.320 $\chi^2$/NDF:19.6/24

Right Out: 111.238+/-196.054 $\chi^2$/NDF: 0.1/1

Left In: 66.254+/-27.450 $\chi^2$/NDF:24.2/22

Left: 48.580+/-18.998 $\chi^2$/NDF: 44.6/47

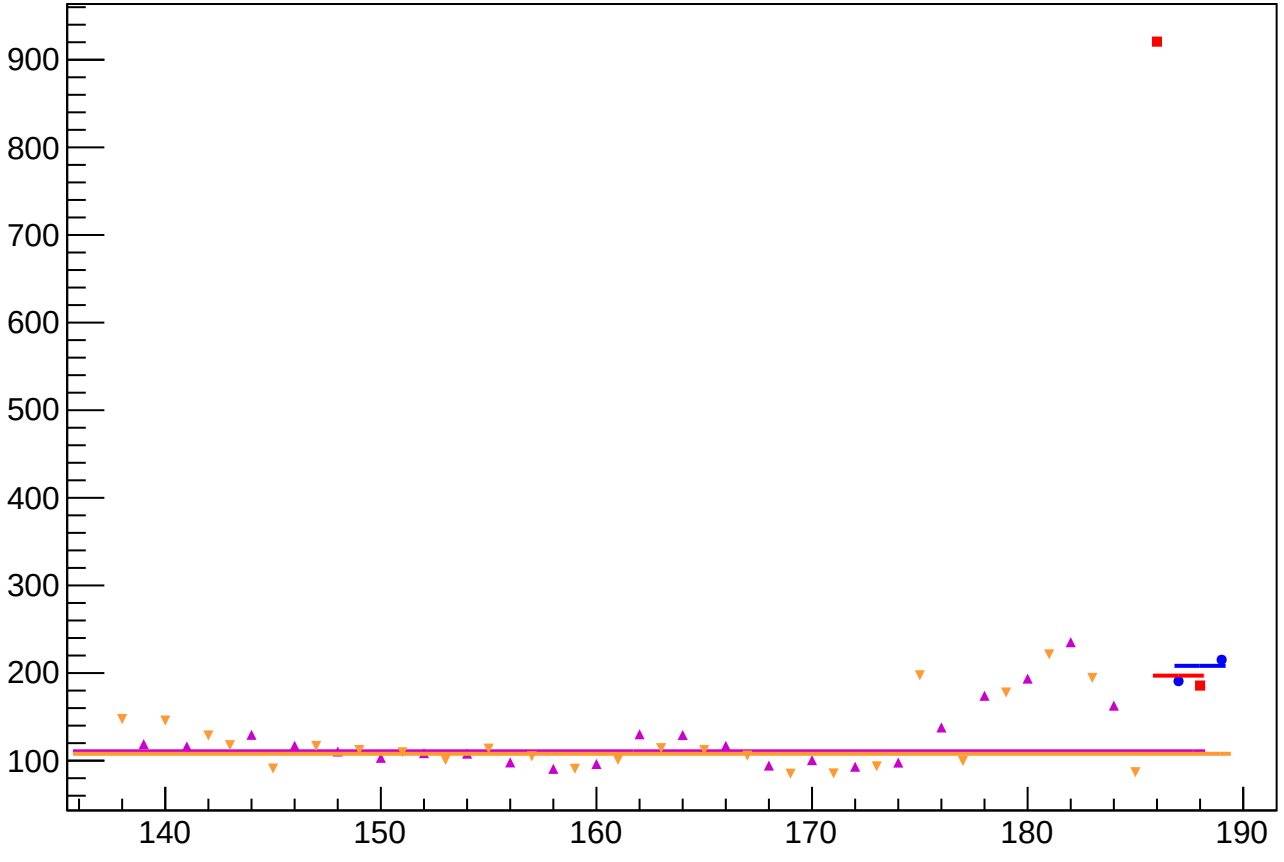
Right: 40.249+/-157.928 $\chi^2$/NDF: 0.5/3

In: 64.604+/-27.306 $\chi^2$/NDF:24.6/24

Out: 33.729+/-26.086 $\chi^2$/NDF:19.8/26

All: 48.462+/-18.862 $\chi^2$/NDF: 45.1/51

# dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected




Right In: 208.241+/-0.188 $\chi^2$/NDF: 3412.2/1

Left Out: 107.852+/-0.019 $\chi^2$/NDF:1833747.9/24

Right Out: 197.063+/-0.139 $\chi^2$/NDF: 427251.7/1

Left In: 110.691+/-0.019 $\chi^2$/NDF:1406587.3/22

Left: 109.212+/-0.013 $\chi^2$/NDF: 3251479.0/47

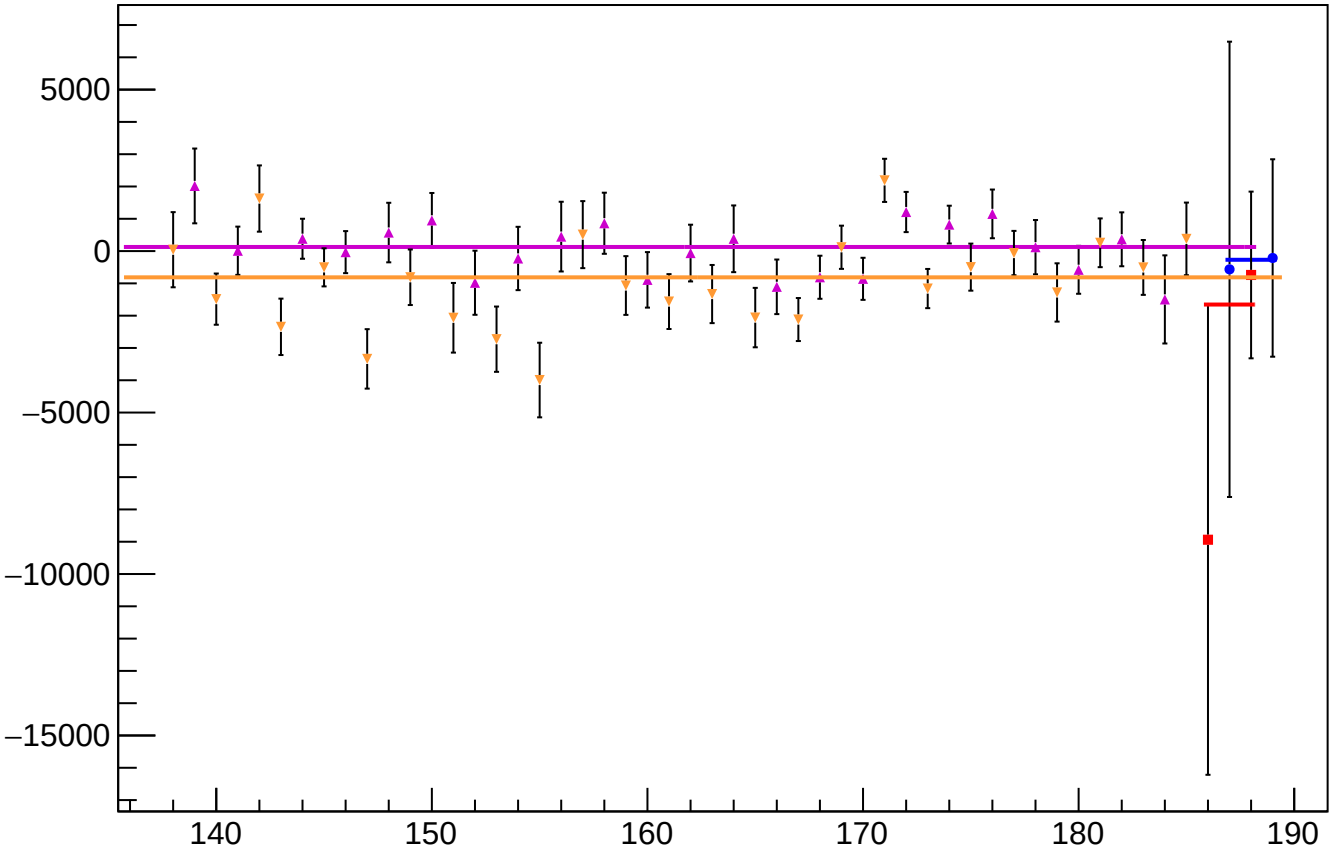
Right: 200.988+/-0.112 $\chi^2$/NDF: 432946.6/3

In: 111.715+/-0.019 $\chi^2$/NDF:1675112.2/24

Out: 109.431+/-0.018 $\chi^2$/NDF:2667779.4/26

All: 110.521+/-0.013 $\chi^2$/NDF: 4350203.0/51

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected




Right In: -269.421+/-2804.465 $\chi^2$/NDF: 0.0/1

Left Out: -813.029+/-164.102 $\chi^2$/NDF:66.2/24

Right Out: -1655.426+/-2432.738 $\chi^2$/NDF: 1.1/1

Left In: 127.427+/-166.308 $\chi^2$/NDF:22.8/22

Left: -349.081+/-116.810 $\chi^2$/NDF: 105.2/47

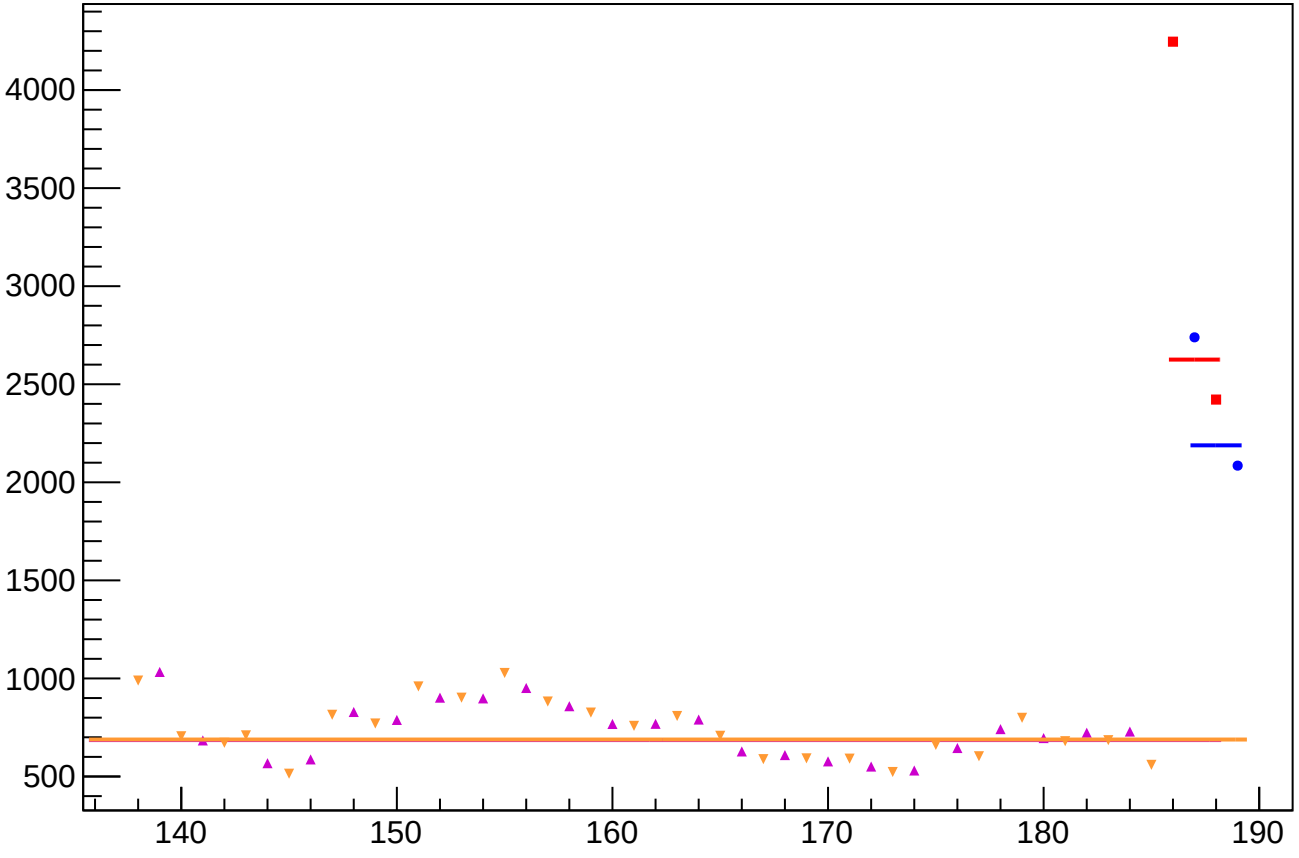
Right: -1060.307+/-1837.679 $\chi^2$/NDF: 1.3/3

In: 126.036+/-166.017 $\chi^2$/NDF:22.8/24

Out: -816.845+/-163.730 $\chi^2$/NDF:67.4/26

All: -351.943+/-116.575 $\chi^2$/NDF: 106.6/51

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected




Right In: 2188.517+/-1.983 $\chi^2$/NDF: 14498.0/1

Left Out: 688.513+/-0.116 $\chi^2$/NDF:1287701.8/24

Right Out: 2625.710+/-1.720 $\chi^2$/NDF: 111655.2/1

Left In: 685.733+/-0.118 $\chi^2$/NDF:1156263.7/22

Left: 687.142+/-0.083 $\chi^2$/NDF: 2444248.5/47

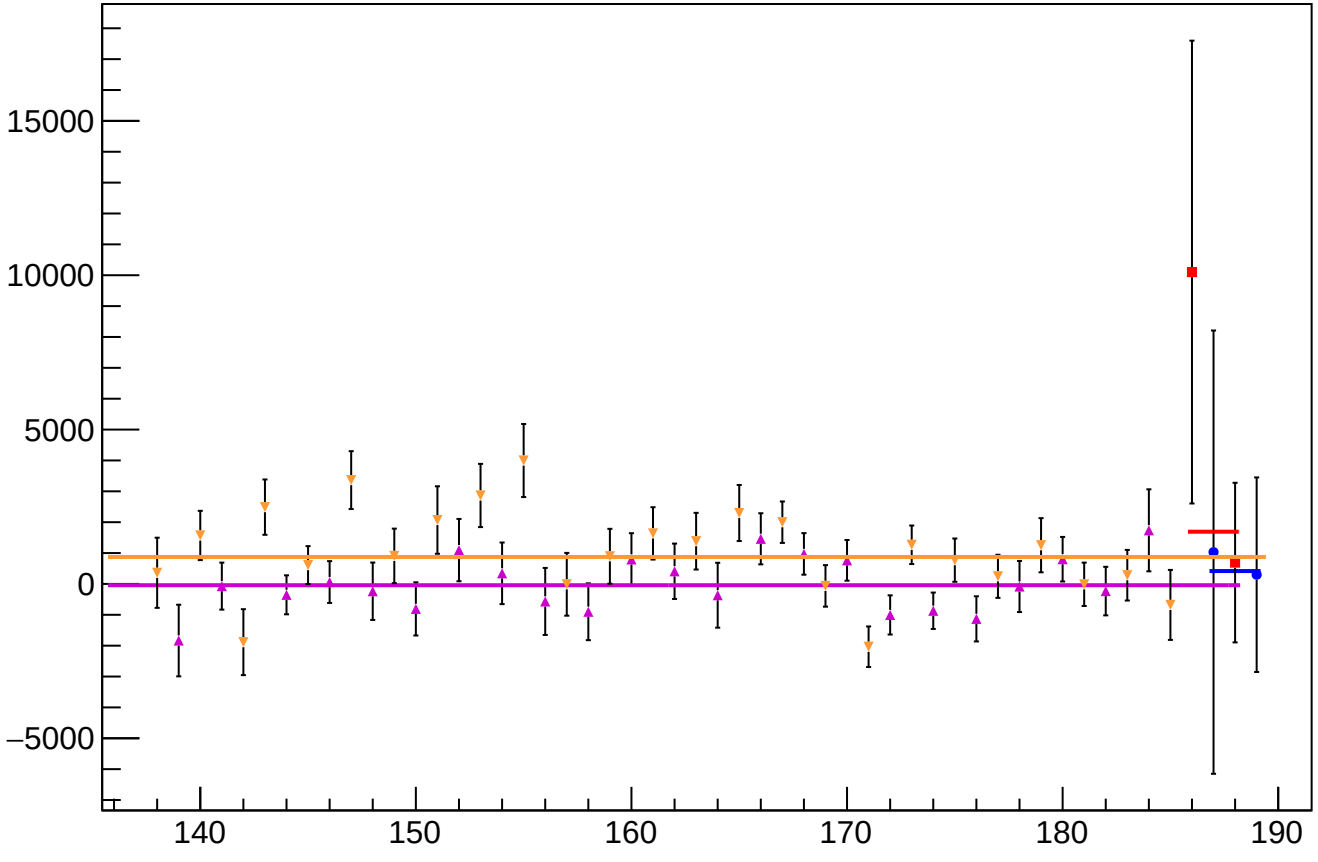
Right: 2437.989+/-1.299 $\chi^2$/NDF: 153888.1/3

In: 691.000+/-0.117 $\chi^2$/NDF:1743027.7/24

Out: 697.288+/-0.116 $\chi^2$/NDF:2661811.1/26

All: 694.187+/-0.082 $\chi^2$/NDF: 4406293.2/51

# asym_sam_2468_avg_mean vs Slug, Sign Corrected




Right In: 416.847+/-2885.814 $\chi^2$/NDF: 0.0/1

Left Out: 873.446+/-164.269 $\chi^2$/NDF:64.1/24

Right Out: 1691.548+/-2443.796 $\chi^2$/NDF: 1.4/1

Left In: -41.522+/-166.728 $\chi^2$/NDF:24.1/22

Left: 422.759+/-117.015 $\chi^2$/NDF: 103.5/47

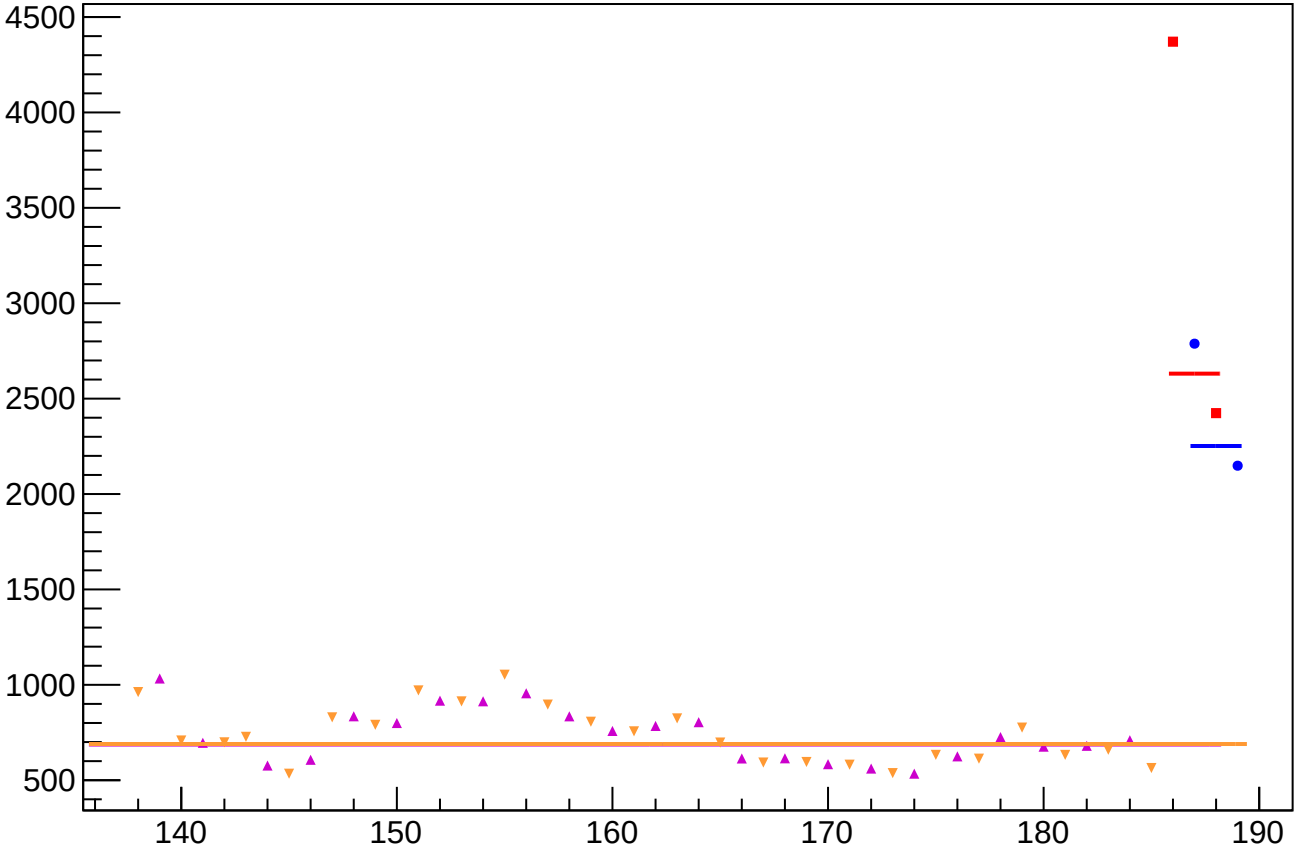
Right: 1159.194+/-1864.938 $\chi^2$/NDF: 1.5/3

In: -39.997+/-166.450 $\chi^2$/NDF:24.1/24

Out: 877.126+/-163.899 $\chi^2$/NDF:65.7/26

All: 425.647+/-116.785 $\chi^2$/NDF: 105.2/51

# asym_sam_2468_avg_rms vs Slug, Sign Corrected




Right In: 2251.736+/-2.041 $\chi^2$/NDF: 13309.5/1

Left Out: 689.767+/-0.116 $\chi^2$/NDF:1258608.7/24

Right Out: 2630.982+/-1.728 $\chi^2$/NDF: 120561.4/1

Left In: 686.944+/-0.118 $\chi^2$/NDF:1116042.4/22

Left: 688.376+/-0.083 $\chi^2$/NDF: 2374942.1/47

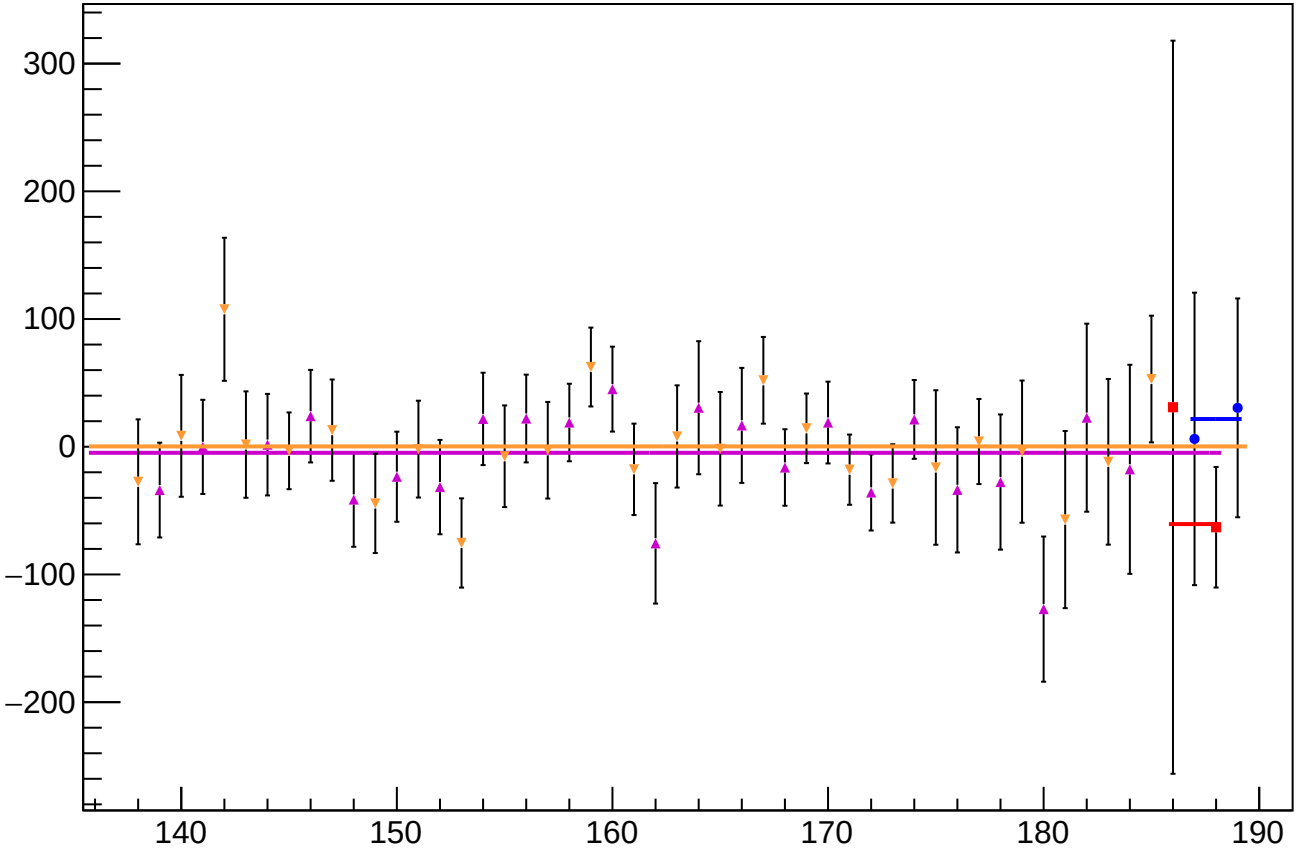
Right: 2472.597+/-1.319 $\chi^2$/NDF: 153986.5/3

In: 692.149+/-0.118 $\chi^2$/NDF:1715435.5/24

Out: 698.498+/-0.116 $\chi^2$/NDF:2635459.5/26

All: 695.373+/-0.083 $\chi^2$/NDF: 4352372.2/51

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected




Right In: 21.726+/-68.600 $\chi^2$/NDF: 0.0/1

Left Out: 0.254+/-7.690 $\chi^2$/NDF:20.4/24

Right Out: -60.558+/-46.568 $\chi^2$/NDF: 0.1/1

Left In: -4.745+/-7.976 $\chi^2$/NDF:17.9/22

Left: -2.154+/-5.536 $\chi^2$/NDF: 38.5/47

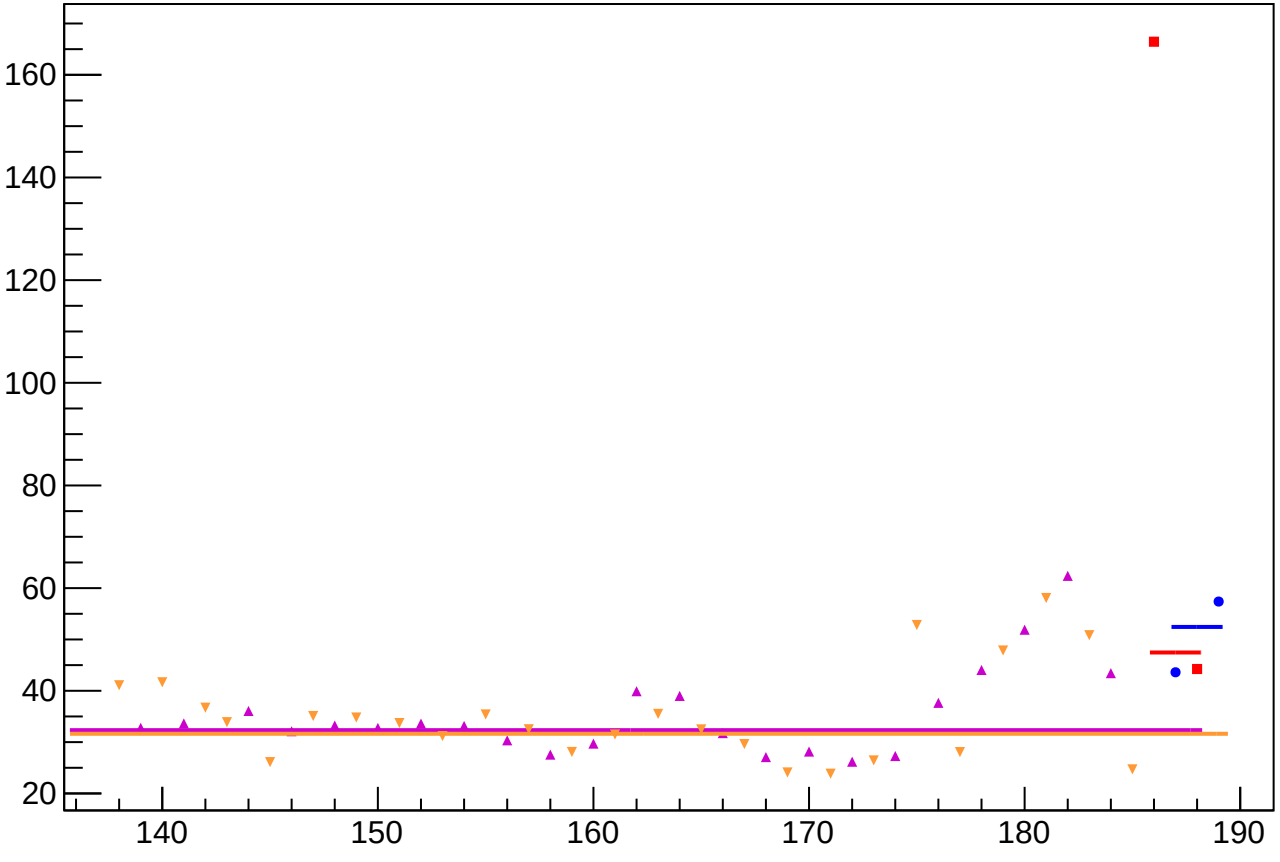
Right: -34.602+/-38.529 $\chi^2$/NDF: 1.1/3

In: -4.392+/-7.922 $\chi^2$/NDF:18.0/24

Out: -1.360+/-7.587 $\chi^2$/NDF:22.2/26

All: -2.811+/-5.480 $\chi^2$/NDF: 40.3/51

# dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected




Right In: 52.441+/-0.049 $\chi^2$/NDF: 18560.2/1

Left Out: 31.624+/-0.005 $\chi^2$/NDF:1673431.1/24

Right Out: 47.461+/-0.033 $\chi^2$/NDF: 353033.3/1

Left In: 32.331+/-0.006 $\chi^2$/NDF:1141501.0/22

Left: 31.965+/-0.004 $\chi^2$/NDF: 2823070.9/47

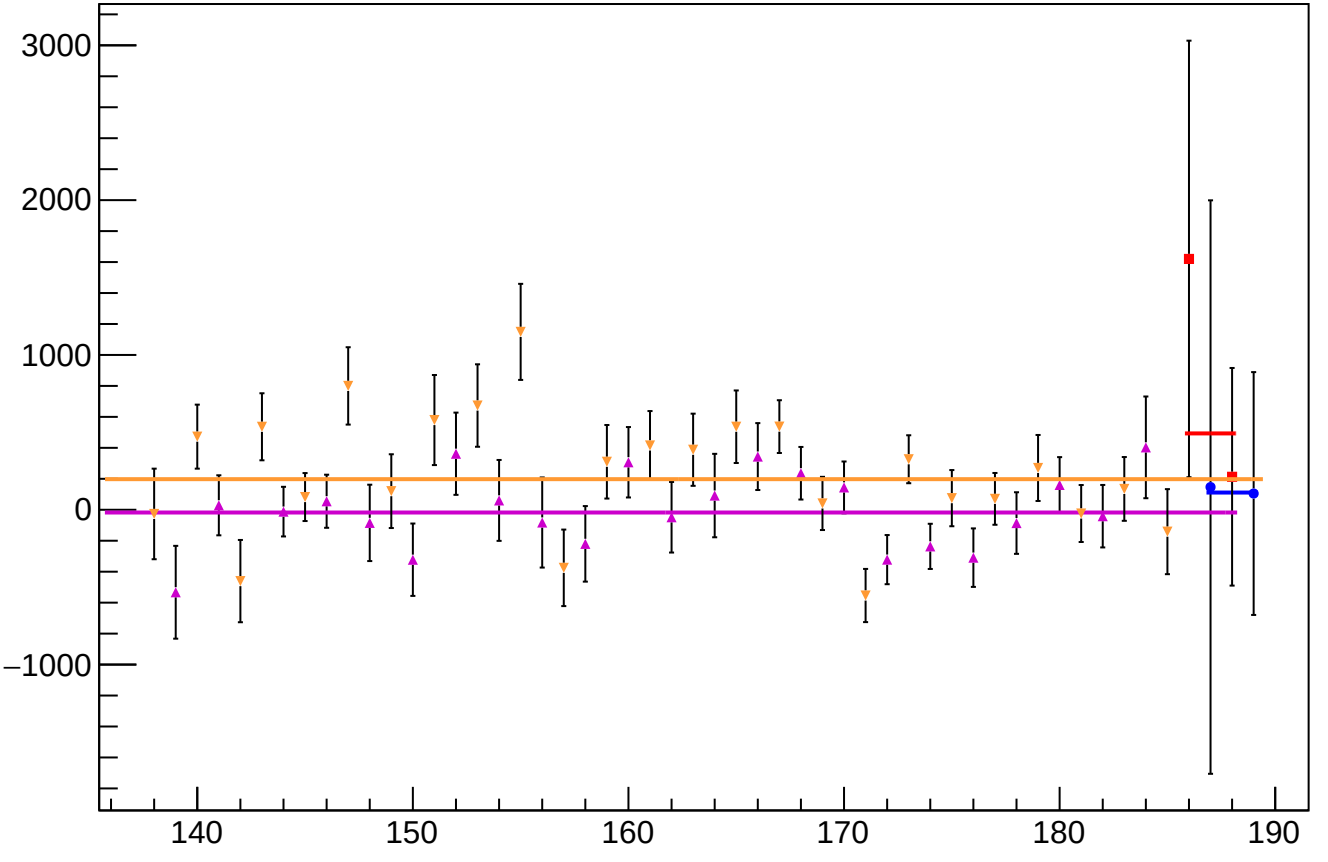
Right: 49.032+/-0.027 $\chi^2$/NDF: 378810.0/3

In: 32.599+/-0.006 $\chi^2$/NDF:1329636.5/24

Out: 32.045+/-0.005 $\chi^2$/NDF:2251611.1/26

All: 32.310+/-0.004 $\chi^2$/NDF: 3586359.5/51

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected




Right In: 111.202+/-722.215 $\chi^2$/NDF: 0.0/1

Left Out: 197.682+/-41.831 $\chi^2$/NDF:69.9/24

Right Out: 493.140+/-629.034 $\chi^2$/NDF: 0.8/1

Left In: -17.742+/-42.576 $\chi^2$/NDF:27.1/22

Left: 91.870+/-29.839 $\chi^2$/NDF: 110.0/47

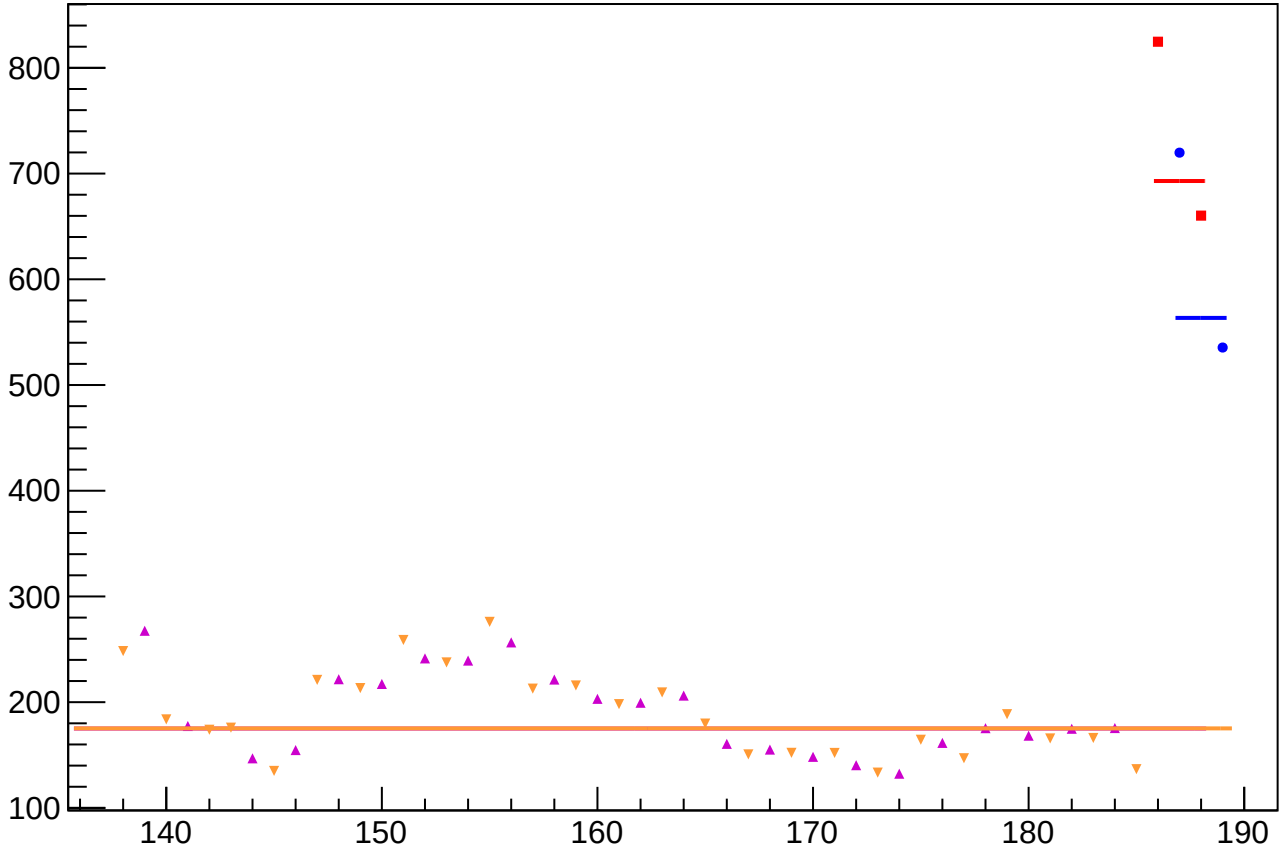
Right: 328.384+/-474.340 $\chi^2$/NDF: 1.0/3

In: -17.295+/-42.502 $\chi^2$/NDF:27.1/24

Out: 198.983+/-41.739 $\chi^2$/NDF:70.9/26

All: 92.803+/-29.780 $\chi^2$/NDF: 111.2/51

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected




Right In: 563.481+/-0.511 $\chi^2$/NDF: 16797.7/1

Left Out: 175.207+/-0.030 $\chi^2$/NDF:1418225.0/24

Right Out: 692.966+/-0.445 $\chi^2$/NDF: 21806.5/1

Left In: 175.051+/-0.030 $\chi^2$/NDF:1339755.1/22

Left: 175.130+/-0.021 $\chi^2$/NDF: 2757993.8/47

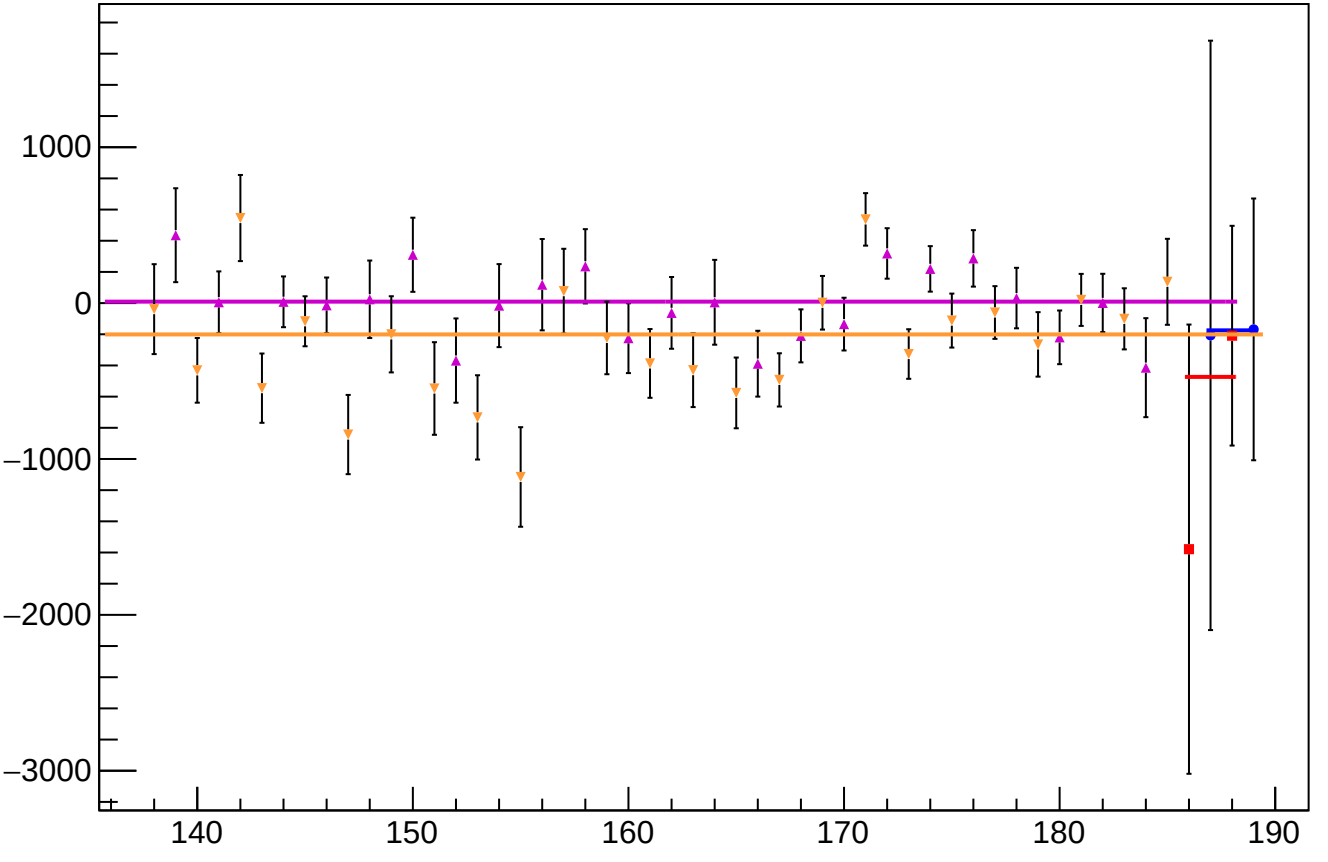
Right: 637.110+/-0.335 $\chi^2$/NDF: 75160.9/3

In: 176.396+/-0.030 $\chi^2$/NDF:1933075.4/24

Out: 177.487+/-0.030 $\chi^2$/NDF:2789055.3/26

All: 176.951+/-0.021 $\chi^2$/NDF: 4722801.2/51

# asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected




Right In: -174.929+/-767.345 $\chi^2$/NDF: 0.0/1

Left Out: -200.930+/-41.741 $\chi^2$/NDF:65.5/24

Right Out: -473.423+/-633.148 $\chi^2$/NDF: 0.7/1

Left In: 9.384+/-42.437 $\chi^2$/NDF:25.4/22

Left: -97.511+/-29.758 $\chi^2$/NDF: 103.4/47

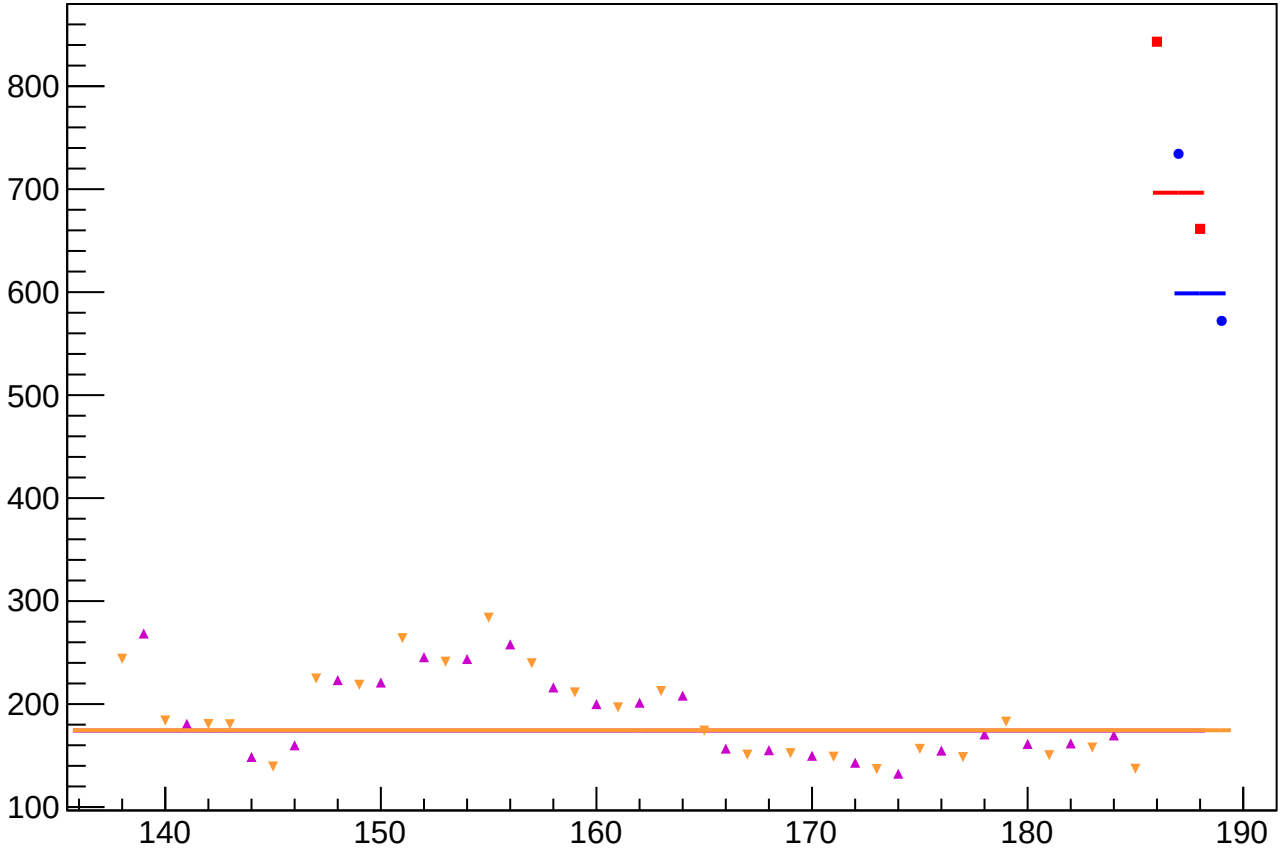
Right: -352.518+/-488.366 $\chi^2$/NDF: 0.8/3

In: 8.822+/-42.372 $\chi^2$/NDF:25.5/24

Out: -202.109+/-41.651 $\chi^2$/NDF:66.4/26

All: -98.454+/-29.703 $\chi^2$/NDF: 104.5/51

# asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected




Right In: 598.812+/-0.543 $\chi^2$/NDF: 12303.2/1

Left Out: 174.567+/-0.030 $\chi^2$/NDF:1532900.3/24

Right Out: 696.549+/-0.448 $\chi^2$/NDF: 25665.9/1

Left In: 174.217+/-0.030 $\chi^2$/NDF:1364600.9/22

Left: 174.395+/-0.021 $\chi^2$/NDF: 2897570.3/47

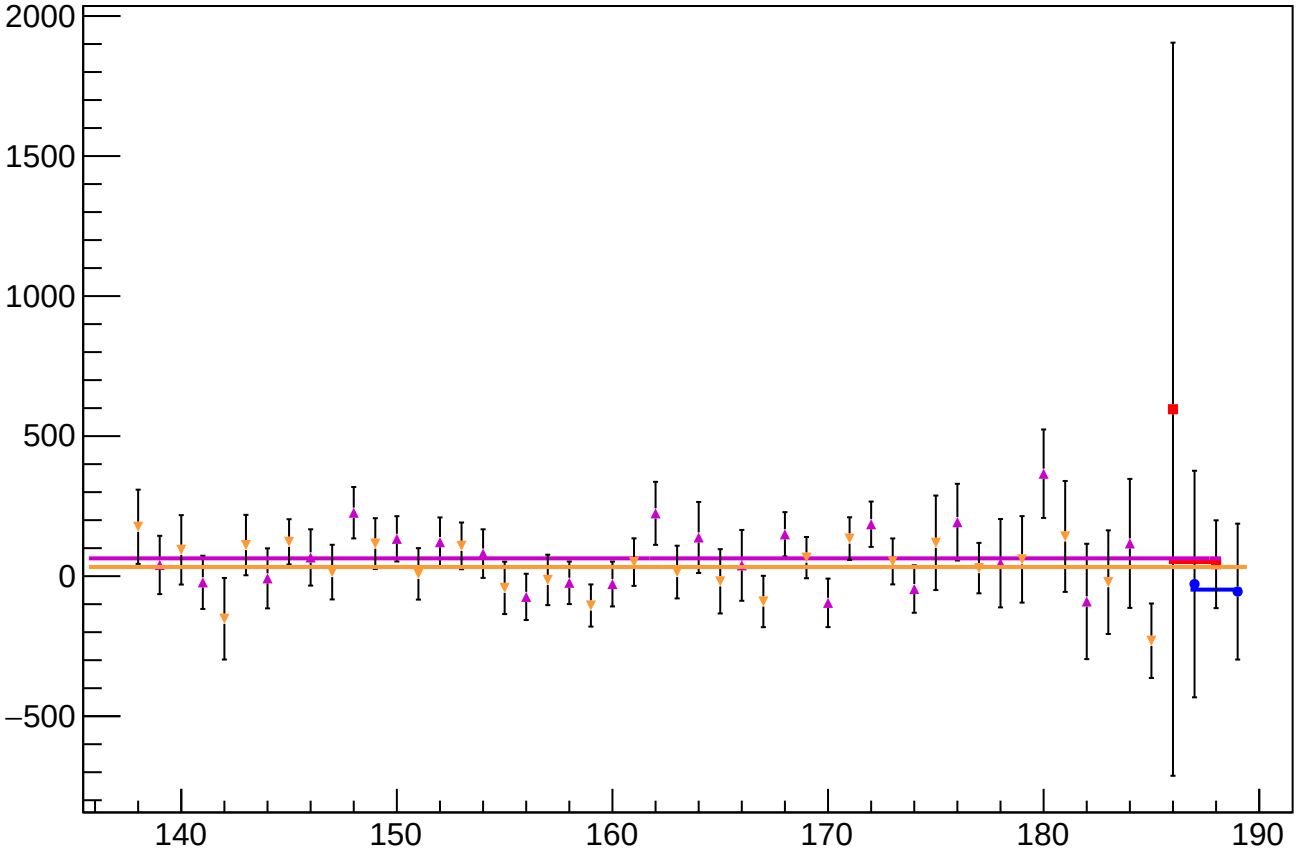
Right: 656.960+/-0.345 $\chi^2$/NDF: 57272.8/3

In: 175.512+/-0.030 $\chi^2$/NDF:1987385.8/24

Out: 176.826+/-0.029 $\chi^2$/NDF:2912028.8/26

All: 176.180+/-0.021 $\chi^2$/NDF: 4900392.8/51

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected




Right In: -47.978+/-208.068 $\chi^2$/NDF: 0.0/1

Left Out: 32.793+/-19.705 $\chi^2$/NDF:19.5/24

Right Out: 50.489+/-155.701 $\chi^2$/NDF: 0.2/1

Left In: 63.566+/-20.573 $\chi^2$/NDF:27.2/22

Left: 47.517+/-14.231 $\chi^2$/NDF: 47.9/47

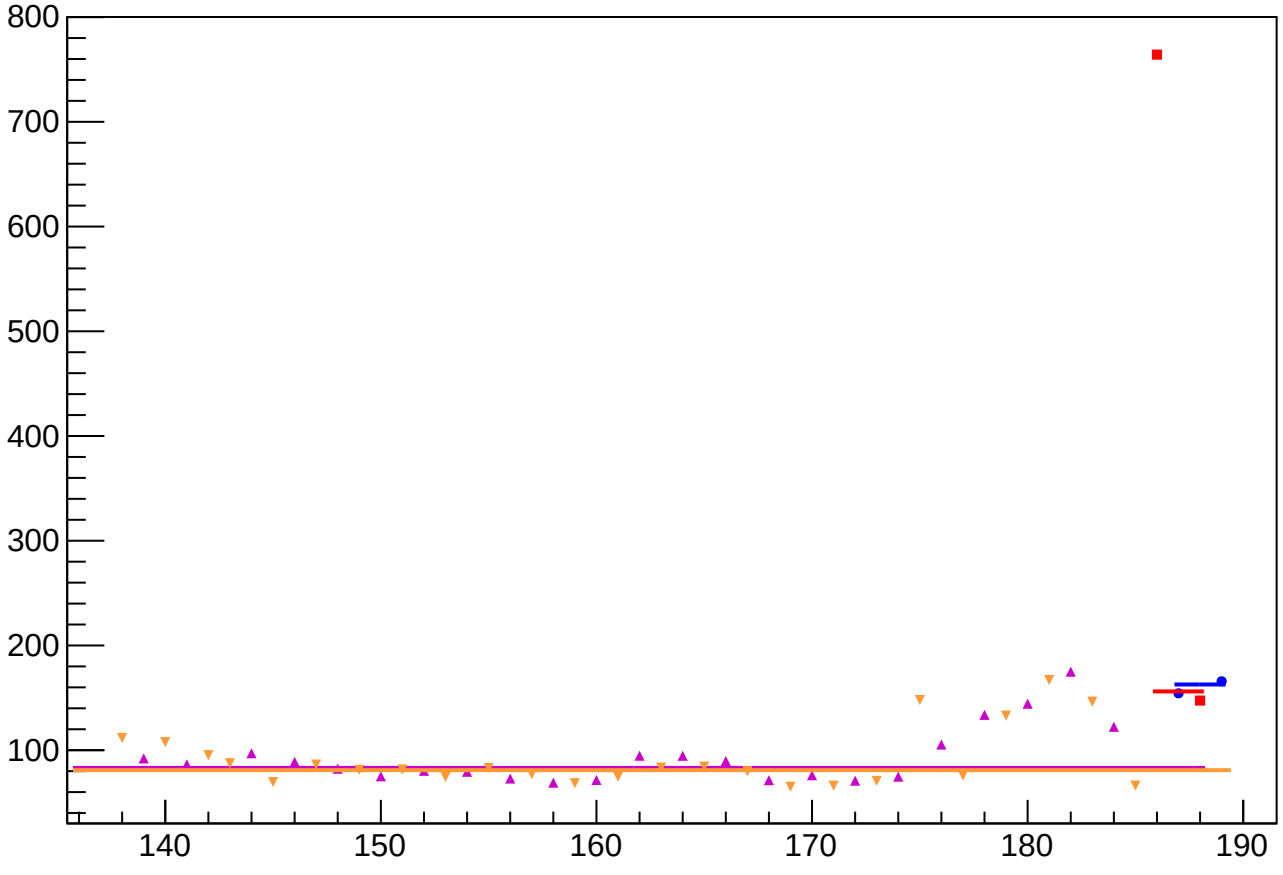
Right: 15.143+/-124.661 $\chi^2$/NDF: 0.3/3

In: 62.486+/-20.474 $\chi^2$/NDF:27.4/24

Out: 33.072+/-19.549 $\chi^2$/NDF:19.7/26

All: 47.100+/-14.139 $\chi^2$/NDF: 48.3/51

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected




Right In: 162.758+/-0.147 $\chi^2$/NDF: 1186.4/1

Left Out: 80.926+/-0.014 $\chi^2$/NDF:1760910.0/24

Right Out: 156.109+/-0.110 $\chi^2$/NDF: 437842.8/1

Left In: 83.071+/-0.015 $\chi^2$/NDF:1405124.8/22

Left: 81.952+/-0.010 $\chi^2$/NDF: 3177364.3/47

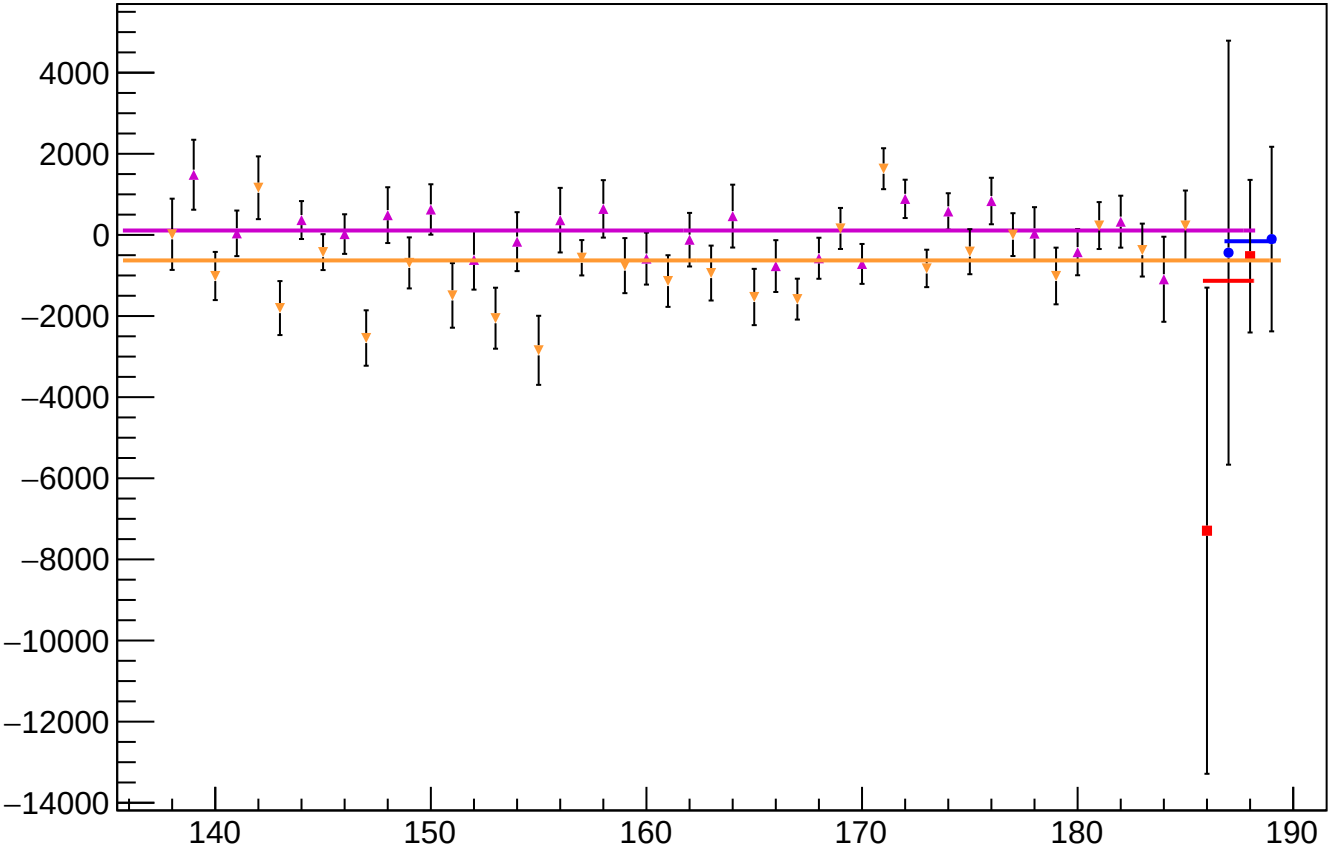
Right: 158.496+/-0.088 $\chi^2$/NDF: 440338.6/3

In: 83.842+/-0.014 $\chi^2$/NDF:1696832.0/24

Out: 82.112+/-0.014 $\chi^2$/NDF:2657717.2/26

All: 82.937+/-0.010 $\chi^2$/NDF: 4362022.9/51

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected




Right In: -155.893+/-2086.197 $\chi^2$/NDF: 0.0/1

Left Out: -629.005+/-120.608 $\chi^2$/NDF:63.2/24

Right Out: -1131.535+/-1794.825 $\chi^2$/NDF: 1.2/1

Left In: 108.821+/-125.527 $\chi^2$/NDF:21.4/22

Left: -274.832+/-86.970 $\chi^2$/NDF: 102.6/47

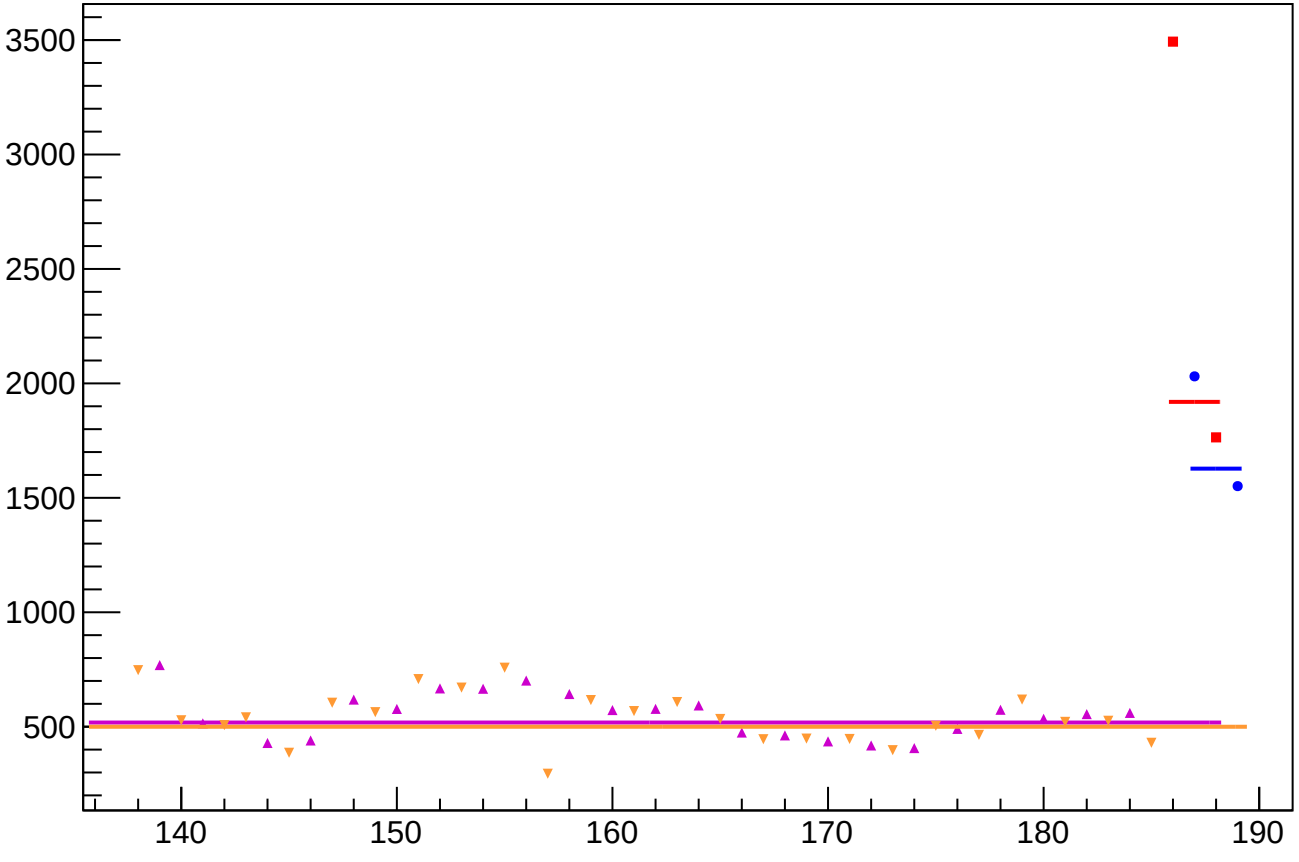
Right: -716.551+/-1360.585 $\chi^2$/NDF: 1.3/3

In: 107.867+/-125.301 $\chi^2$/NDF:21.5/24

Out: -631.264+/-120.336 $\chi^2$/NDF:64.4/26

All: -276.630+/-86.793 $\chi^2$/NDF: 104.0/51

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected




Right In: 1627.560+/-1.475 $\chi^2$/NDF: 14153.5/1

Left Out: 499.813+/-0.085 $\chi^2$/NDF:1626530.8/24

Right Out: 1919.236+/-1.269 $\chi^2$/NDF: 151524.2/1

Left In: 518.244+/-0.089 $\chi^2$/NDF:1071993.3/22

Left: 508.660+/-0.061 $\chi^2$/NDF: 2720944.9/47

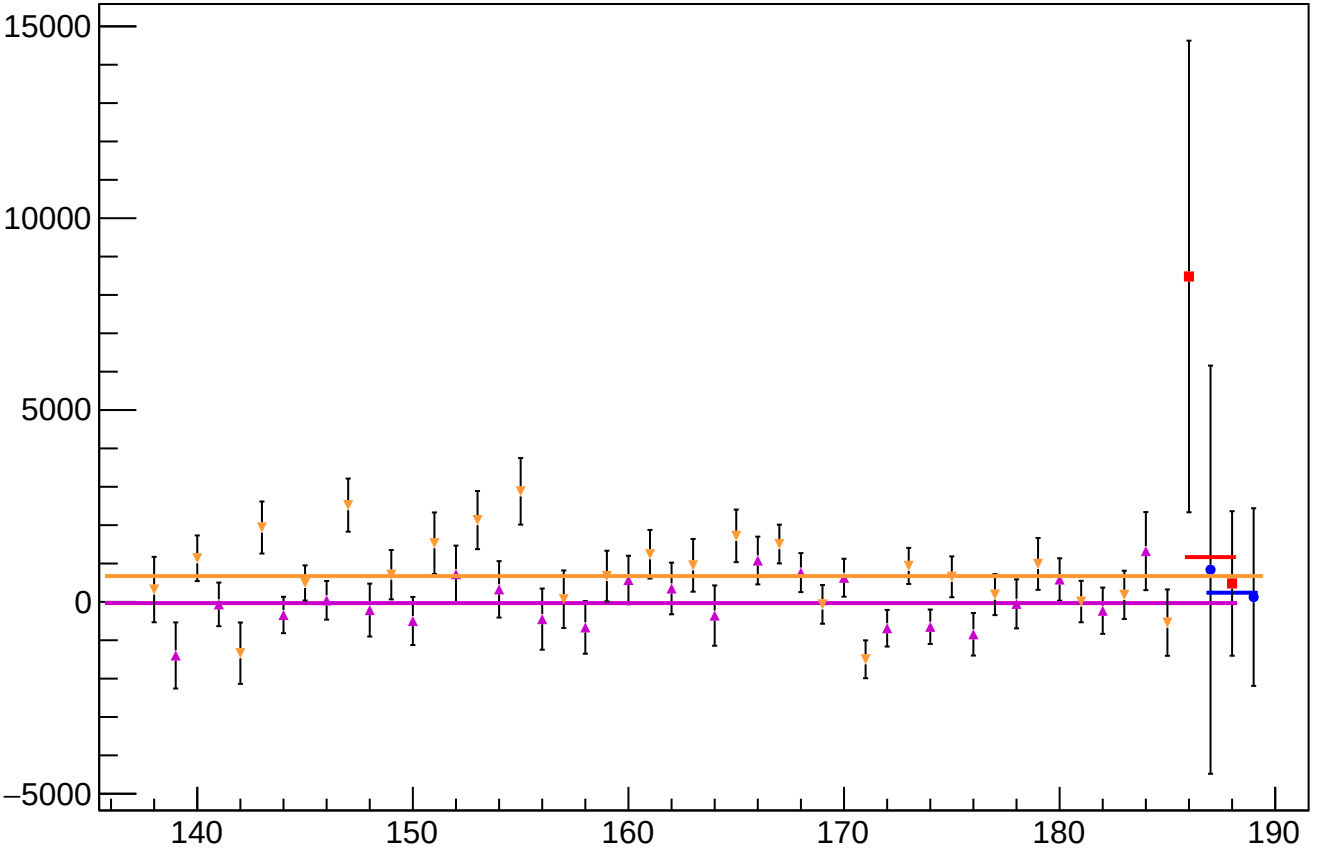
Right: 1795.174+/-0.962 $\chi^2$/NDF: 188143.8/3

In: 522.246+/-0.089 $\chi^2$/NDF:1649603.4/24

Out: 506.194+/-0.085 $\chi^2$/NDF:3023295.3/26

All: 513.896+/-0.061 $\chi^2$/NDF: 4689974.3/51

# asym_sam_12345678_avg_mean vs Slug, Sign Corrected




Right In: 238.964+/-2122.447 $\chi^2$/NDF: 0.0/1

Left Out: 672.498+/-123.428 $\chi^2$/NDF:62.8/24

Right Out: 1167.111+/-1800.501 $\chi^2$/NDF: 1.5/1

Left In: -31.056+/-125.236 $\chi^2$/NDF:23.8/22

Left: 325.838+/-87.909 $\chi^2$/NDF: 102.6/47

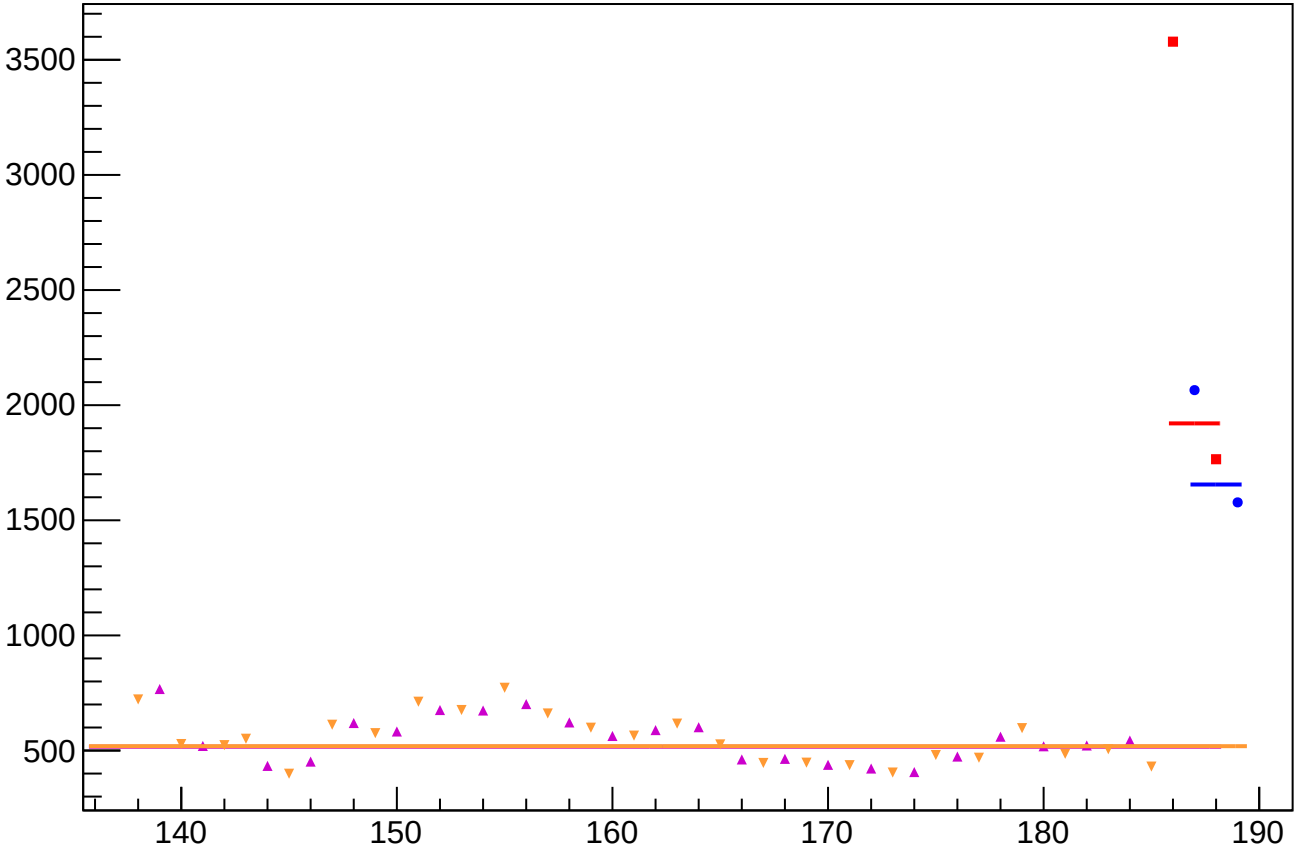
Right: 778.699+/-1373.014 $\chi^2$/NDF: 1.7/3

In: -30.119+/-125.019 $\chi^2$/NDF:23.9/24

Out: 674.811+/-123.139 $\chi^2$/NDF:64.4/26

All: 327.687+/-87.730 $\chi^2$/NDF: 104.4/51

# asym_sam_12345678_avg_rms vs Slug, Sign Corrected




Right In: 1655.429+/-1.501 $\chi^2$/NDF: 14124.9/1

Left Out: 518.935+/-0.087 $\chi^2$/NDF:1172613.9/24

Right Out: 1920.854+/-1.273 $\chi^2$/NDF: 159213.0/1

Left In: 516.594+/-0.089 $\chi^2$/NDF:1036092.8/22

Left: 517.782+/-0.062 $\chi^2$/NDF: 2209061.2/47

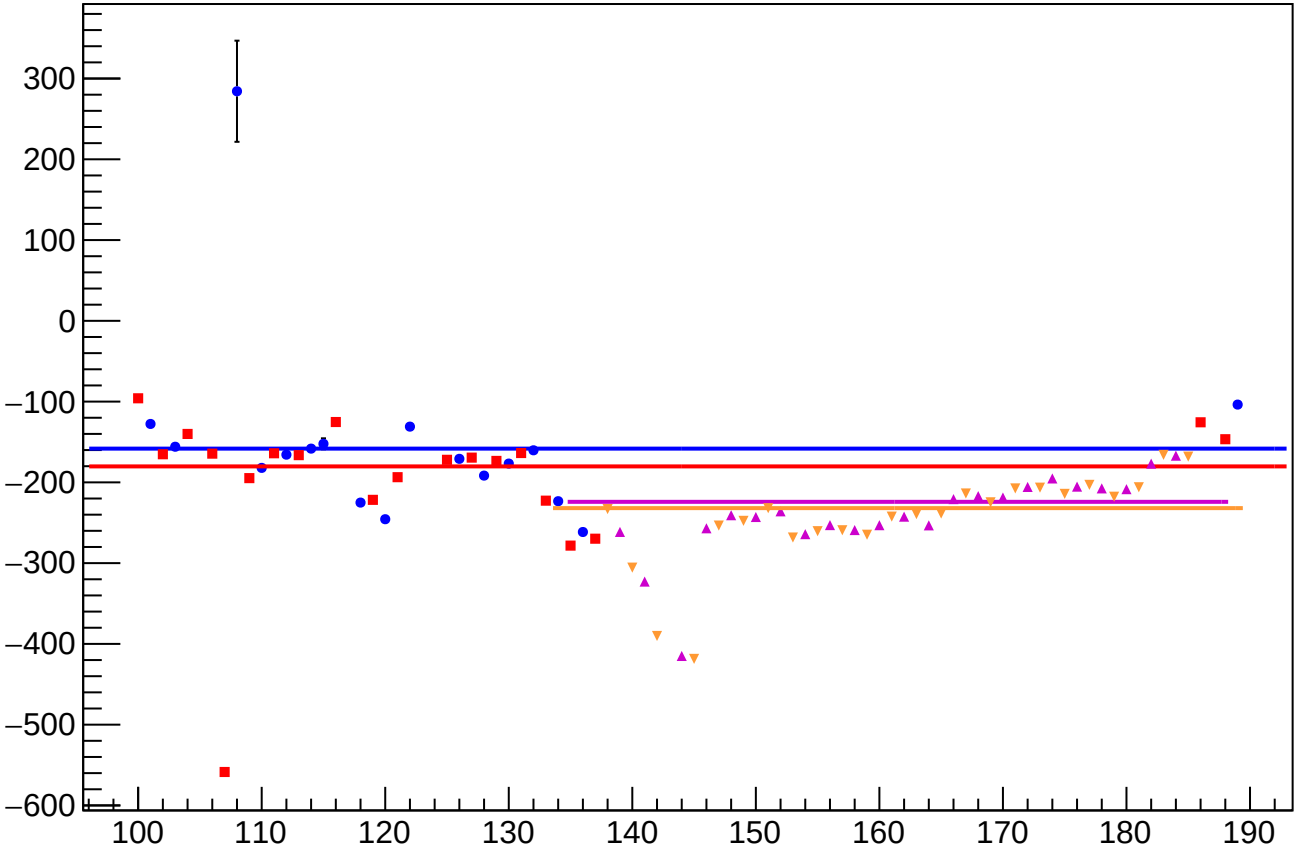
Right: 1809.779+/-0.971 $\chi^2$/NDF: 191526.6/3

In: 520.545+/-0.088 $\chi^2$/NDF:1624028.5/24

Out: 525.492+/-0.087 $\chi^2$/NDF:2538676.1/26

All: 523.056+/-0.062 $\chi^2$/NDF: 4164294.1/51

# dit_usl_4aX_slope vs Slug, Sign Corrected




Right In: -158.222+/-0.000 $\chi^2$/NDF: 118190.6/16

Left Out: -231.902+/-0.108 $\chi^2$/NDF:110473.4/23

Right Out: -180.236+/-0.141 $\chi^2$/NDF: 204263.5/19

Left In: -224.103+/-0.098 $\chi^2$/NDF:153347.0/22

Left: -227.631+/-0.073 $\chi^2$/NDF: 266668.8/46

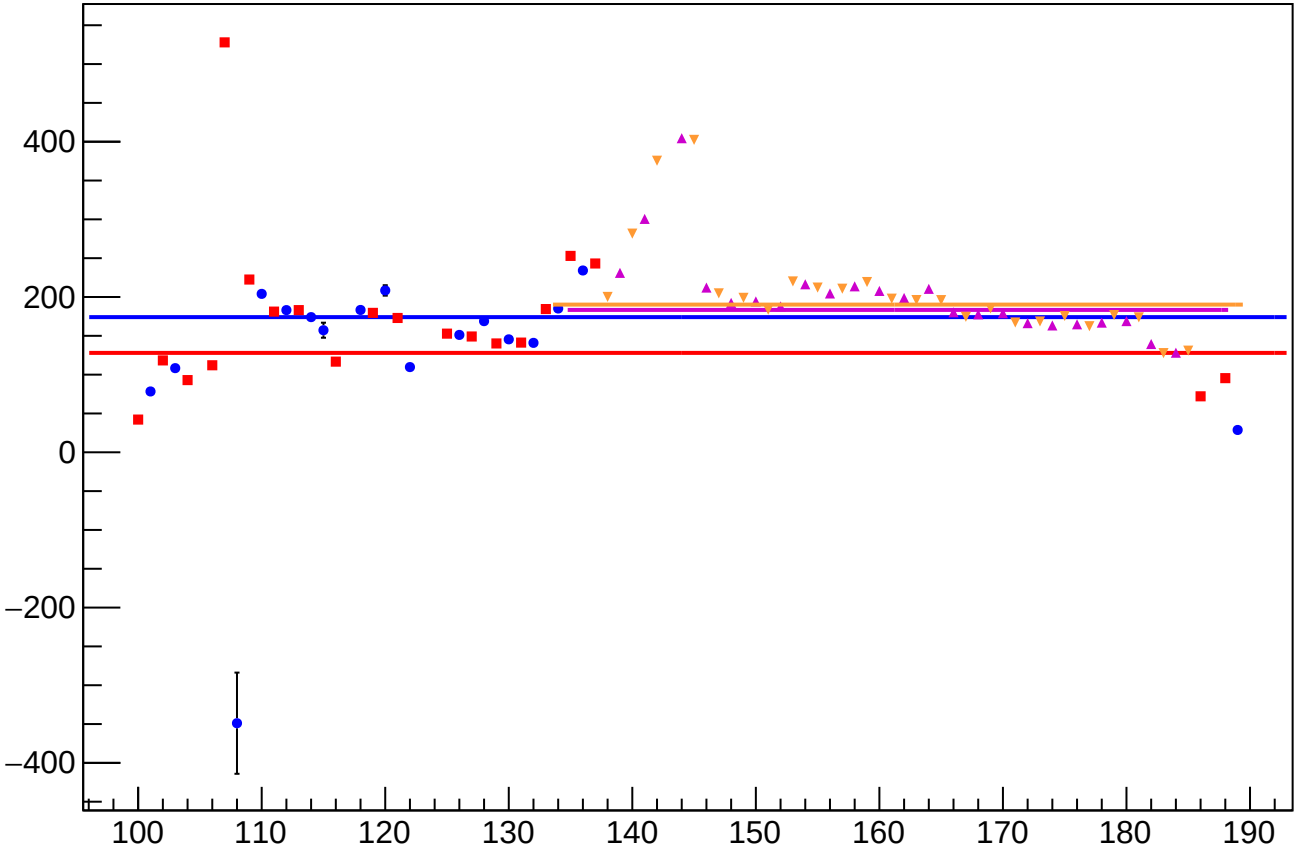
Right: -158.222+/-0.000 $\chi^2$/NDF: 346797.9/36

In: -158.222+/-0.000 $\chi^2$/NDF:720861.3/39

Out: -212.782+/-0.086 $\chi^2$/NDF:399199.8/43

All: -158.222+/-0.000 $\chi^2$/NDF: 1524105.7/83

# dit_usl_4eX_slope vs Slug, Sign Corrected




Right In: 174.085+/-0.000 $\chi^2$/NDF: 54736.4/16

Left Out: 190.208+/-0.109 $\chi^2$/NDF:99613.5/23

Right Out: 128.015+/-0.156 $\chi^2$/NDF: 204422.1/19

Left In: 183.362+/-0.099 $\chi^2$/NDF:155441.6/22

Left: 186.466+/-0.073 $\chi^2$/NDF: 257224.0/46

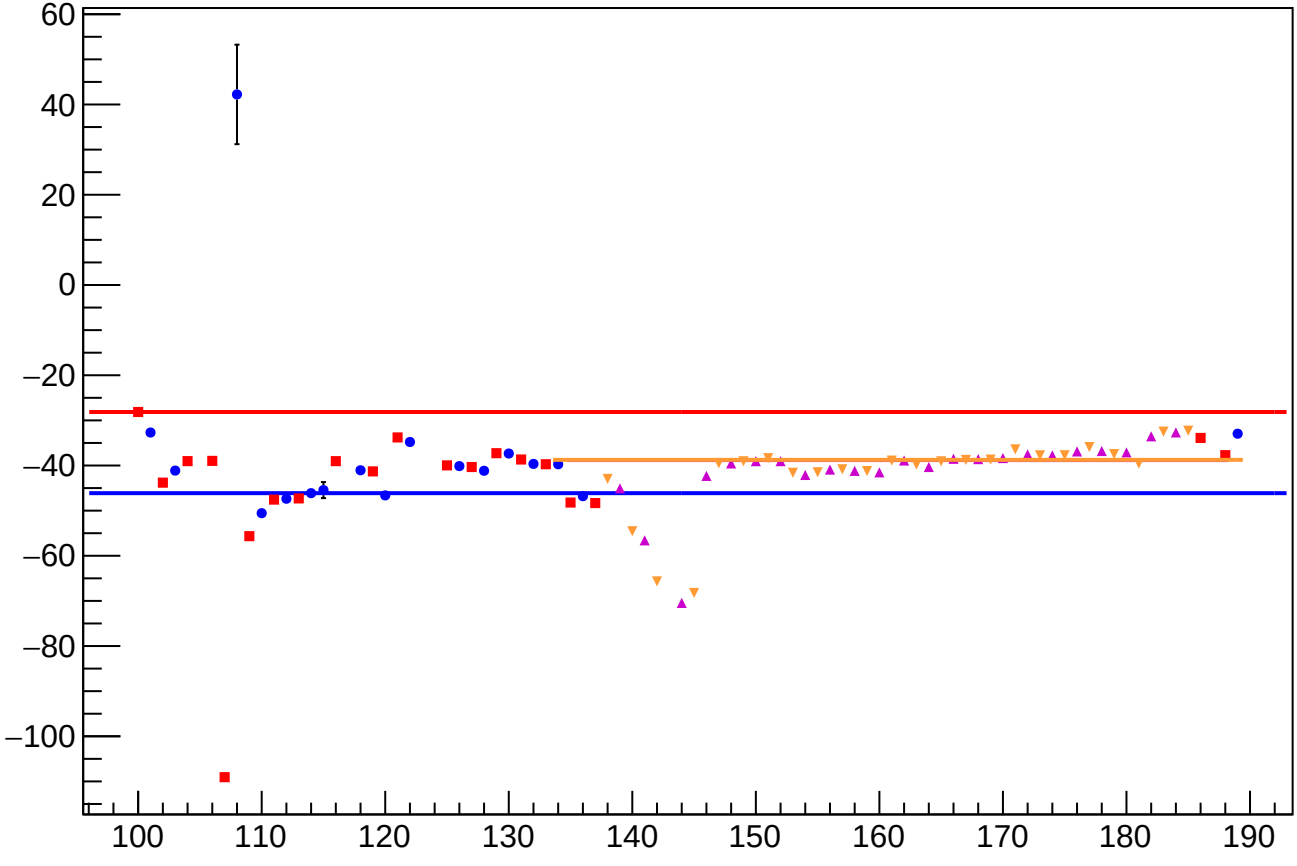
Right: 174.085+/-0.000 $\chi^2$/NDF: 345870.3/36

In: 174.085+/-0.000 $\chi^2$/NDF:218963.9/39

Out: 169.968+/-0.089 $\chi^2$/NDF:410633.7/43

All: 174.085+/-0.000 $\chi^2$/NDF: 631725.0/83

# dit_usl_11X12X_slope vs Slug, Sign Corrected




Right In: -46.126+/-0.000 $\chi^2$/NDF: 411089.4/16

Left Out: -38.745+/-0.006 $\chi^2$/NDF:400638.0/23

Right Out: -28.139+/-0.000 $\chi^2$/NDF: 802516.3/19

Left In: -38.794+/-0.007 $\chi^2$/NDF:321993.9/22

Left: -38.767+/-0.004 $\chi^2$/NDF: 722662.8/46

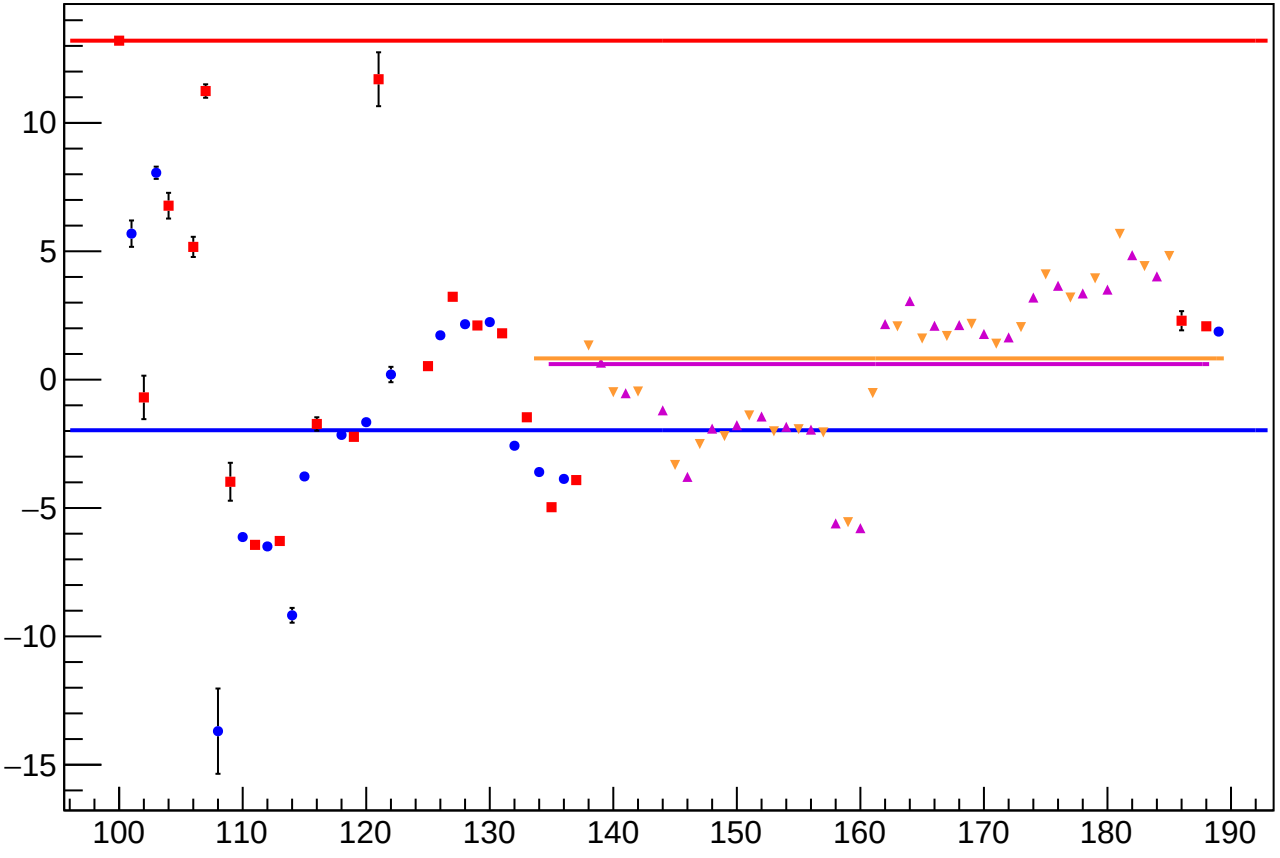
Right: -39.778+/-0.000 $\chi^2$/NDF: 248795993231659

In: -46.126+/-0.000 $\chi^2$/NDF:1988817.5/39

Out: -28.139+/-0.000 $\chi^2$/NDF:4459609.7/43

All: -39.778+/-0.000 $\chi^2$/NDF: 248795993231

# dit_usl_4aY_slope vs Slug, Sign Corrected




Right In: -1.970+/-0.018 $\chi^2$/NDF: 26786.1/16

Left Out: 0.828+/-0.006 $\chi^2$/NDF:255303.5/23

Right Out: 13.204+/-0.000 $\chi^2$/NDF: 529432.3/19

Left In: 0.606+/-0.005 $\chi^2$/NDF:331282.7/22

Left: 0.696+/-0.004 $\chi^2$/NDF: 587368.1/46

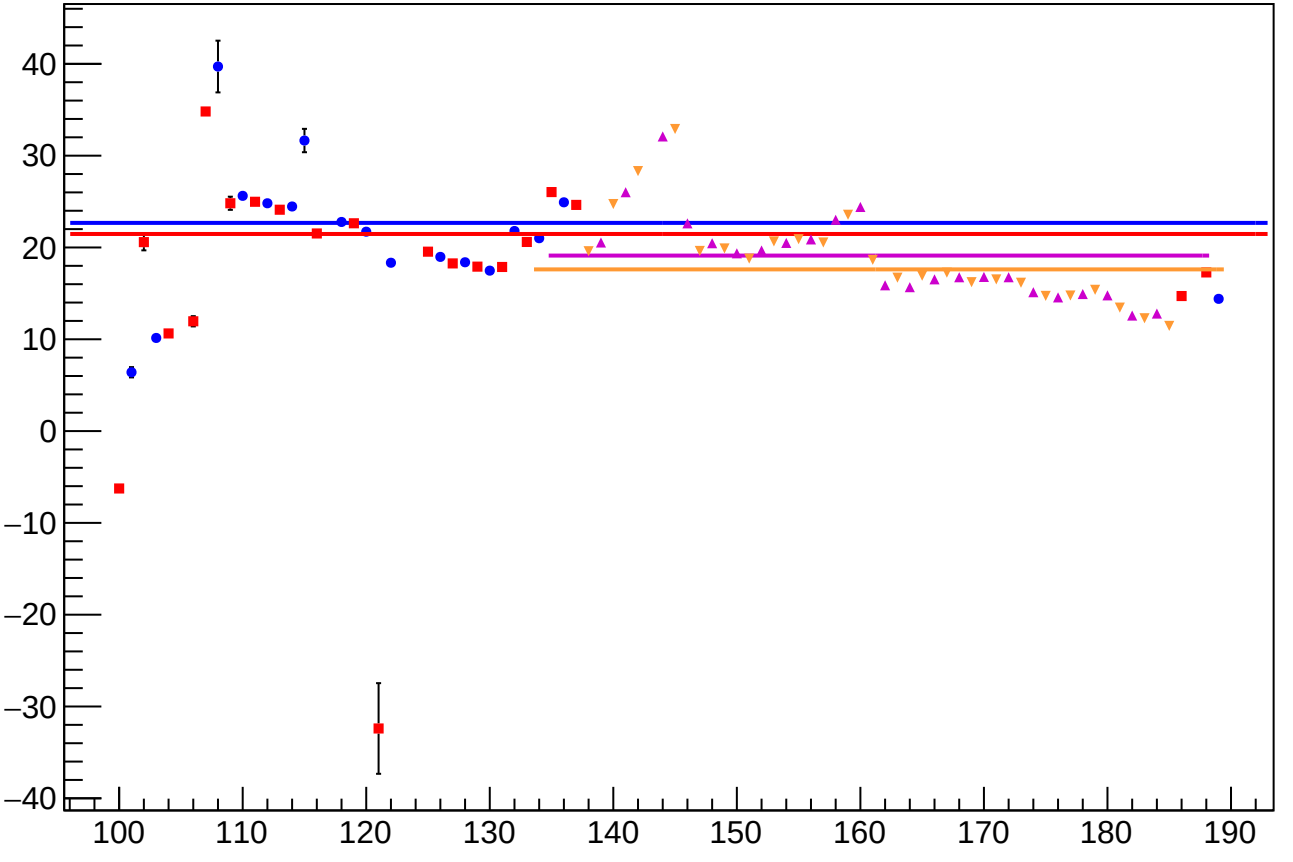
Right: 13.204+/-0.000 $\chi^2$/NDF: 1298041.6/36

In: 0.410+/-0.005 $\chi^2$/NDF:377826.4/39

Out: 13.204+/-0.000 $\chi^2$/NDF:4866241.0/43

All: 13.204+/-0.000 $\chi^2$/NDF: 12186378.3/83

# dit_usl_4eY_slope vs Slug, Sign Corrected




Right In: 22.678+/-0.019 $\chi^2$/NDF: 23530.6/16

Left Out: 17.613+/-0.007 $\chi^2$/NDF:178438.8/23

Right Out: 21.470+/-0.021 $\chi^2$/NDF: 29888.5/19

Left In: 19.117+/-0.007 $\chi^2$/NDF:229353.0/22

Left: 18.369+/-0.005 $\chi^2$/NDF: 430183.3/46

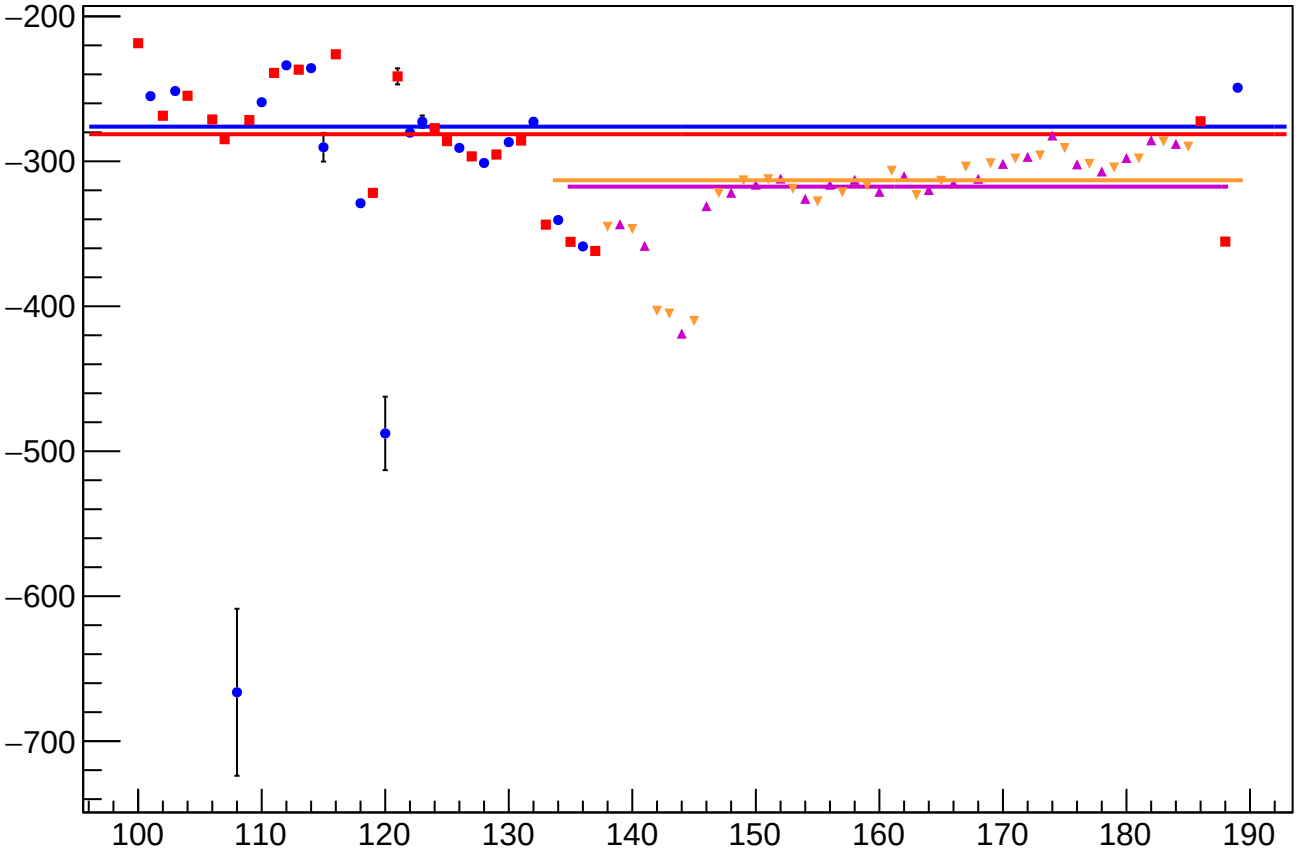
Right: 22.136+/-0.014 $\chi^2$/NDF: 55287.2/36

In: 19.565+/-0.007 $\chi^2$/NDF:284531.5/39

Out: 18.019+/-0.007 $\chi^2$/NDF:239217.2/43

All: 18.804+/-0.005 $\chi^2$/NDF: 550445.7/83

# dit_usr_4aX_slope vs Slug, Sign Corrected




Right In: -276.079+/-0.166 $\chi^2$/NDF: 58227.1/17

Left Out: -313.052+/-0.096 $\chi^2$/NDF:54405.8/24

Right Out: -281.299+/-0.136 $\chi^2$/NDF: 83574.0/20

Left In: -317.471+/-0.095 $\chi^2$/NDF:63067.6/22

Left: -315.276+/-0.068 $\chi^2$/NDF: 118543.8/47

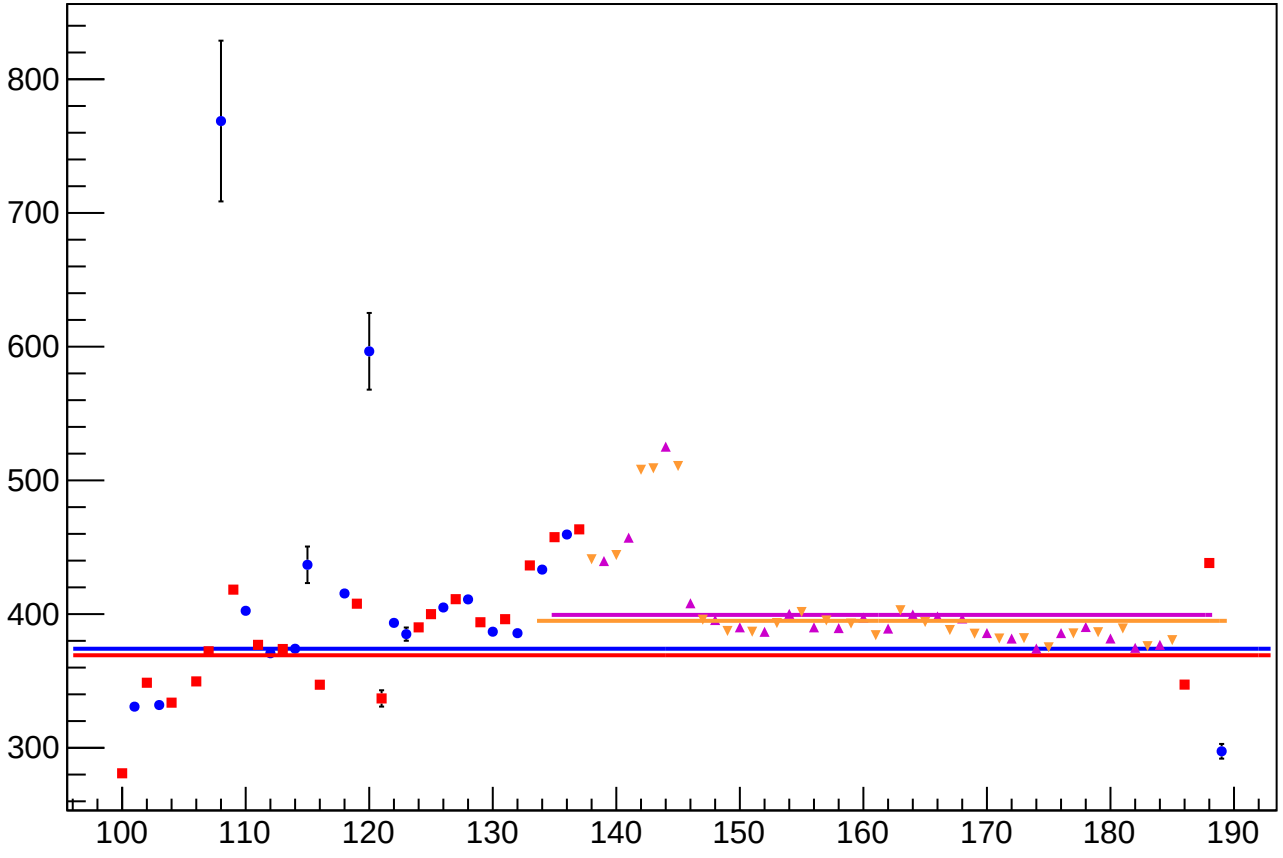
Right: -279.210+/-0.105 $\chi^2$/NDF: 142393.0/38

In: -307.242+/-0.083 $\chi^2$/NDF:168001.7/40

Out: -302.491+/-0.078 $\chi^2$/NDF:174497.2/45

All: -304.738+/-0.057 $\chi^2$/NDF: 344241.5/86

# dit_usr_4eX_slope vs Slug, Sign Corrected




Right In: 374.094+/-0.000 $\chi^2$/NDF: 35266.3/17

Left Out: 394.968+/-0.096 $\chi^2$/NDF:68076.2/24

Right Out: 369.216+/-0.140 $\chi^2$/NDF: 117600.9/20

Left In: 399.410+/-0.097 $\chi^2$/NDF:77209.0/22

Left: 397.169+/-0.068 $\chi^2$/NDF: 146345.7/47

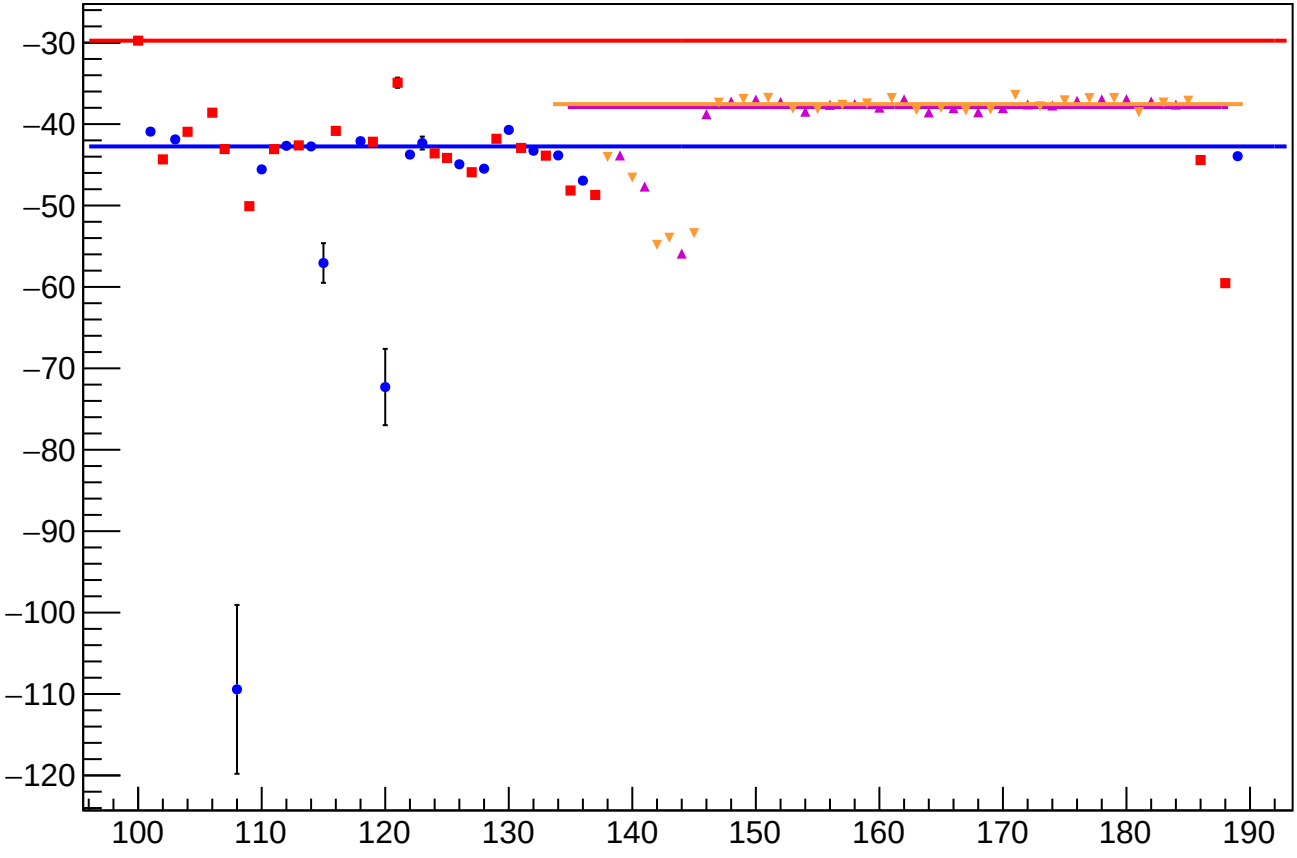
Right: 374.094+/-0.000 $\chi^2$/NDF: 154075.0/38

In: 374.094+/-0.000 $\chi^2$/NDF:180780.4/40

Out: 386.760+/-0.079 $\chi^2$/NDF:208609.3/45

All: 374.094+/-0.000 $\chi^2$/NDF: 414936.0/86

# dit_usr_11X12X_slope vs Slug, Sign Corrected




Right In: -42.744+/-0.000 $\chi^2$/NDF: 13626.7/17

Left Out: -37.547+/-0.004 $\chi^2$/NDF:267131.7/24

Right Out: -29.754+/-0.000 $\chi^2$/NDF: 537447.2/20

Left In: -37.903+/-0.004 $\chi^2$/NDF:156960.8/22

Left: -37.711+/-0.003 $\chi^2$/NDF: 428070.7/47

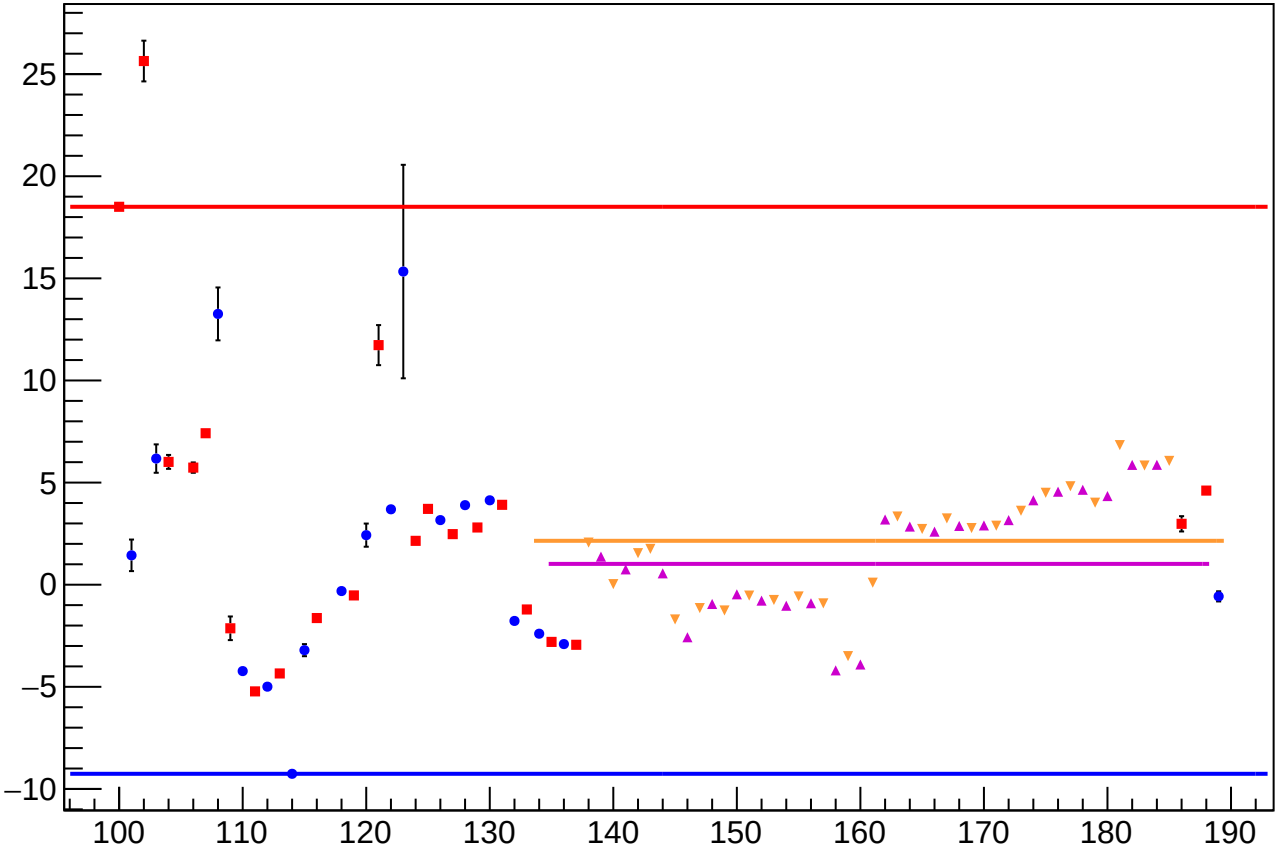
Right: -38.159+/-0.000 $\chi^2$/NDF: 129765212680709

In: -42.744+/-0.000 $\chi^2$/NDF:1532481.0/40

Out: -29.754+/-0.000 $\chi^2$/NDF:4932363.6/45

All: -38.159+/-0.000 $\chi^2$/NDF: 129765212680

# dit_usr_4aY_slope vs Slug, Sign Corrected




Right In: -9.259+/-0.000 $\chi^2$/NDF: 407072.4/17

Left Out: 2.149+/-0.005 $\chi^2$/NDF:290739.3/24

Right Out: 18.504+/-0.000 $\chi^2$/NDF: 7381788.7/20

Left In: 1.019+/-0.006 $\chi^2$/NDF:250029.0/22

Left: 1.671+/-0.004 $\chi^2$/NDF: 563410.5/47

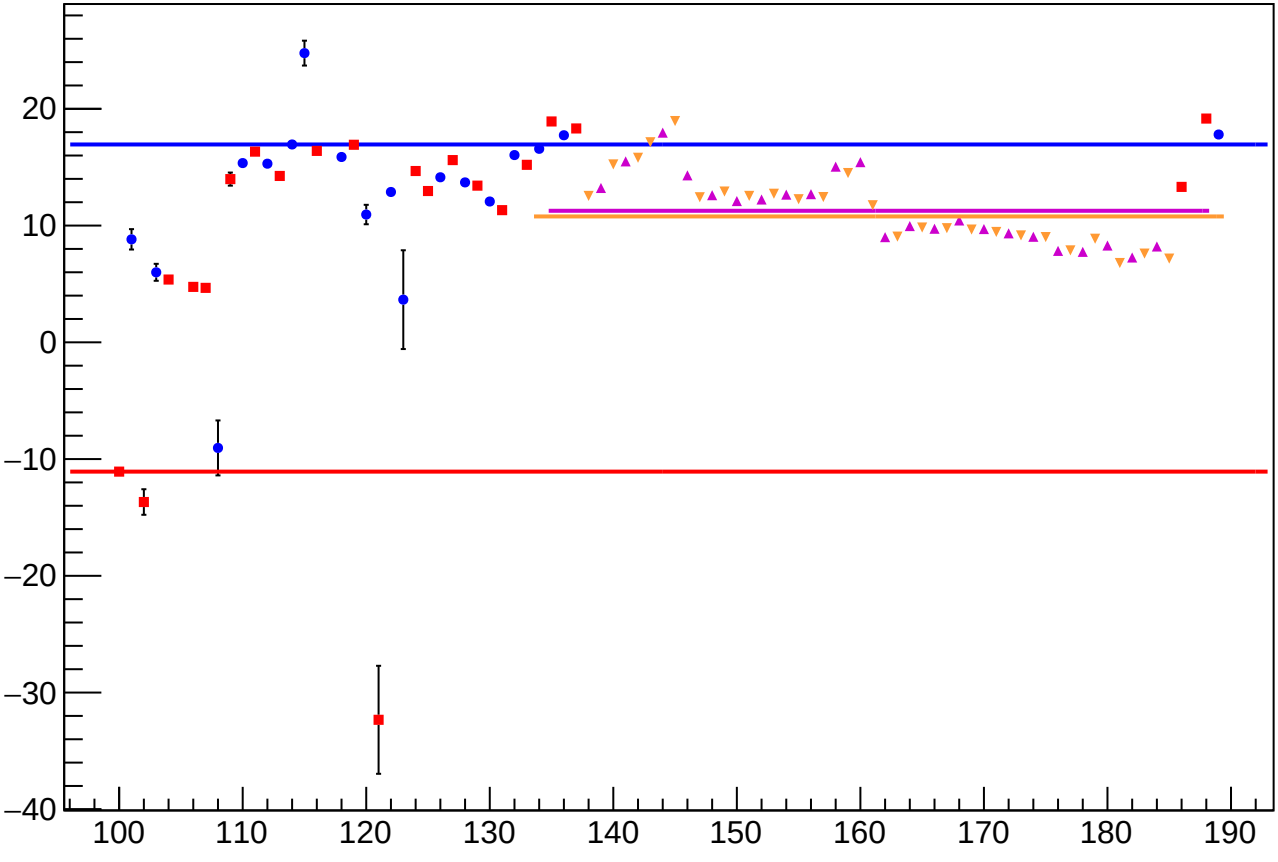
Right: 6.039+/-0.000 $\chi^2$/NDF: 16450574505955581

In: -9.259+/-0.000 $\chi^2$/NDF:3905142.2/40

Out: 18.504+/-0.000 $\chi^2$/NDF:18858986.4/45

All: 6.039+/-0.000 $\chi^2$/NDF: 16450574505955

# dit_usr_4eY_slope vs Slug, Sign Corrected




Right In: 16.947+/-0.000 $\chi^2$/NDF: 11237.4/17

Left Out: 10.782+/-0.007 $\chi^2$/NDF:129427.5/24

Right Out: -11.075+/-0.000 $\chi^2$/NDF: 2783034.5/20

Left In: 11.267+/-0.008 $\chi^2$/NDF:98438.0/22

Left: 10.986+/-0.005 $\chi^2$/NDF: 230089.4/47

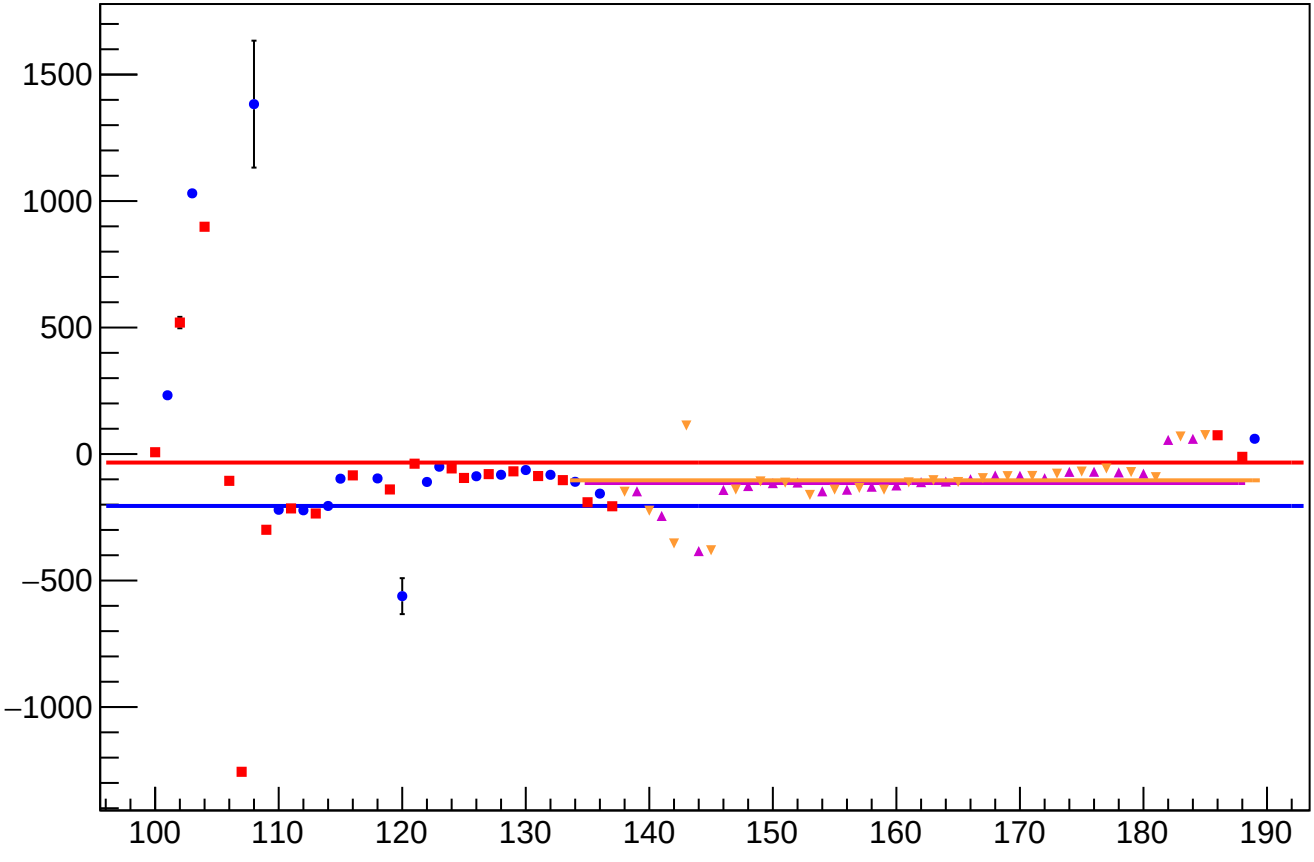
Right: -2.268+/-0.000 $\chi^2$/NDF: 4692527454635666

In: 16.947+/-0.000 $\chi^2$/NDF:634338.6/40

Out: -11.075+/-0.000 $\chi^2$/NDF:13658528.4/45

All: -2.268+/-0.000 $\chi^2$/NDF: 4692527454635

# dit_atl1_4aX_slope vs Slug, Sign Corrected




Right In: -205.160+/-0.000 $\chi^2$/NDF: 1331321.3/17

Left Out: -103.842+/-0.192 $\chi^2$/NDF:94751.7/24

Right Out: -33.651+/-0.251 $\chi^2$/NDF: 152724.6/20

Left In: -114.444+/-0.225 $\chi^2$/NDF:76837.7/22

Left: -108.306+/-0.146 $\chi^2$/NDF: 172877.4/47

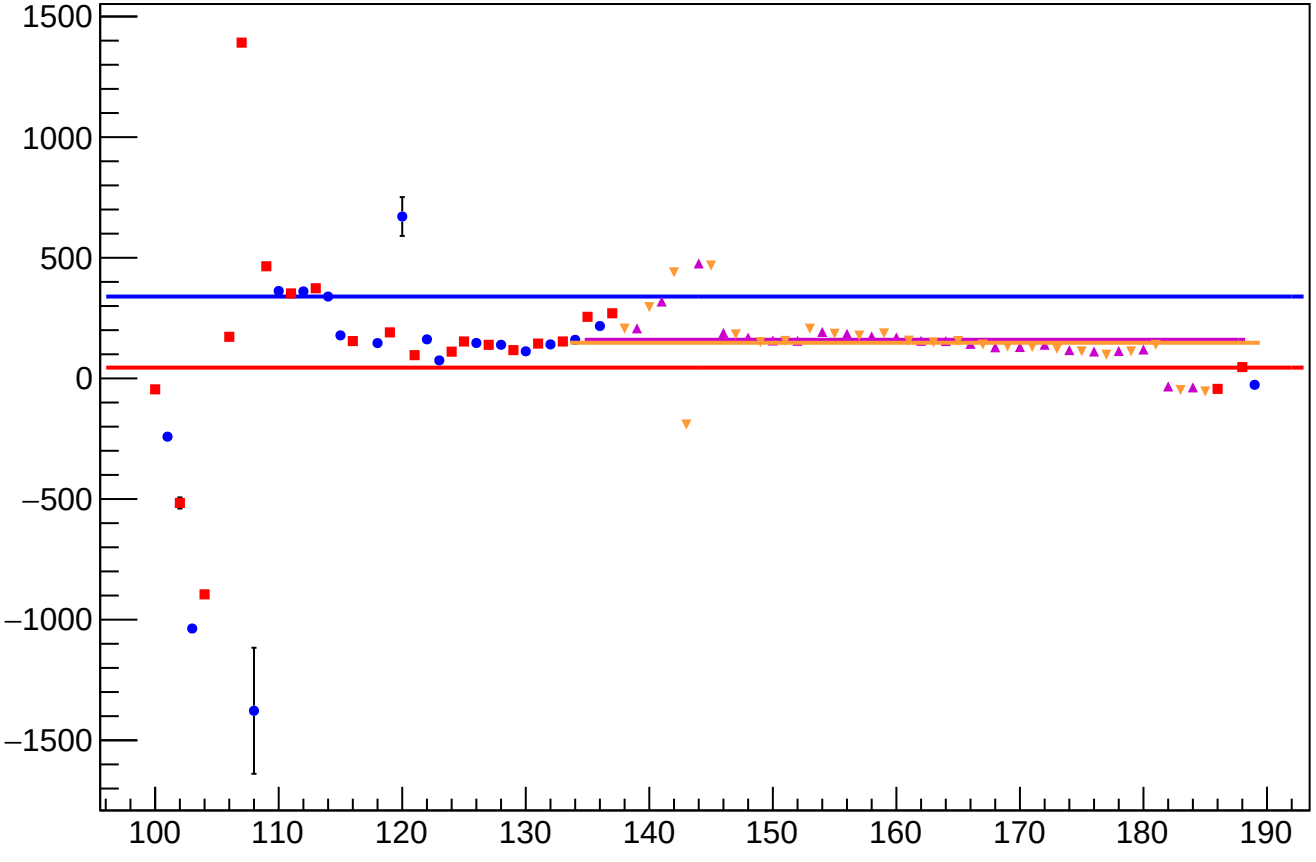
Right: -205.160+/-0.000 $\chi^2$/NDF: 1951640.9/38

In: -205.160+/-0.000 $\chi^2$/NDF:1571040.5/40

Out: -77.961+/-0.152 $\chi^2$/NDF:296916.5/45

All: -205.160+/-0.000 $\chi^2$/NDF: 2565482.0/86

# dit_atl1_4eX_slope vs Slug, Sign Corrected




Right In: 339.325+/-0.000 $\chi^2$/NDF: 1208997.9/17

Left Out: 147.771+/-0.196 $\chi^2$/NDF:134281.2/24

Right Out: 44.745+/-0.249 $\chi^2$/NDF: 304190.6/20

Left In: 160.049+/-0.230 $\chi^2$/NDF:83579.0/22

Left: 152.950+/-0.149 $\chi^2$/NDF: 219512.9/47

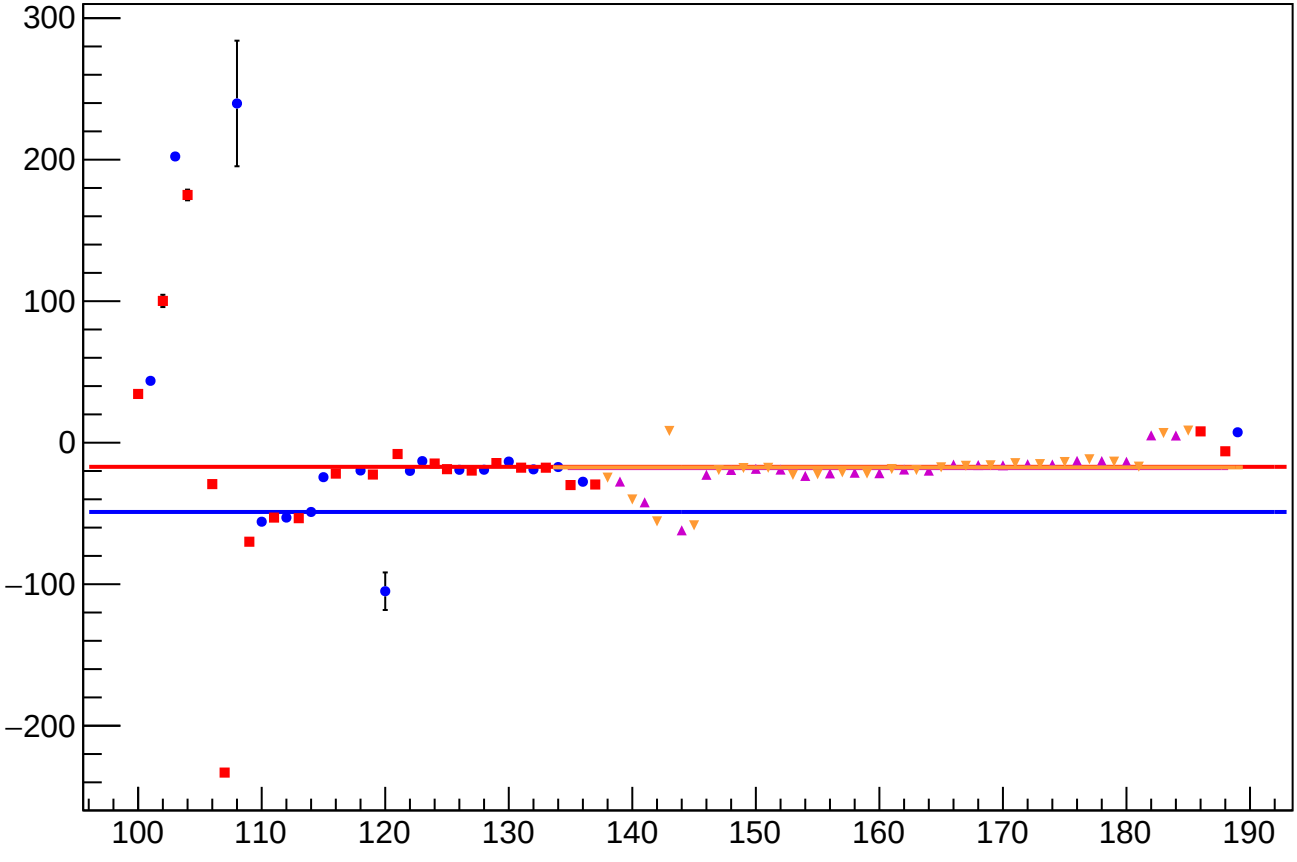
Right: 339.325+/-0.000 $\chi^2$/NDF: 2917817.8/38

In: 339.325+/-0.000 $\chi^2$/NDF:1901916.0/40

Out: 108.231+/-0.154 $\chi^2$/NDF:544344.0/45

All: 339.325+/-0.000 $\chi^2$/NDF: 4698642.3/86

# dit_atl1_11X12X_slope vs Slug, Sign Corrected




Right In: -48.945+/-0.000 $\chi^2$/NDF: 6249837.7/17

Left Out: -17.446+/-0.010 $\chi^2$/NDF:714044.4/24

Right Out: -17.055+/-0.043 $\chi^2$/NDF: 298881.2/20

Left In: -17.951+/-0.012 $\chi^2$/NDF:252123.1/22

Left: -17.648+/-0.008 $\chi^2$/NDF: 967185.6/47

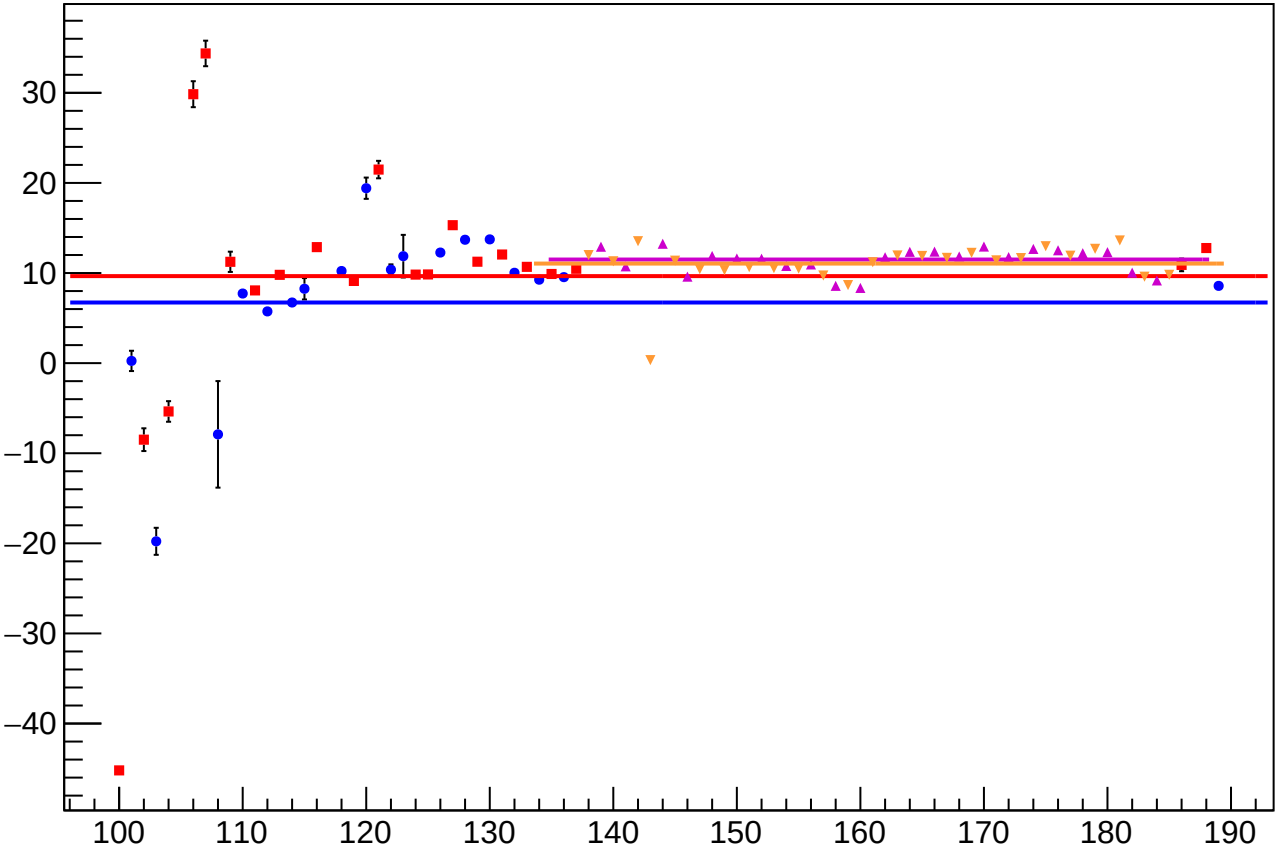
Right: -48.945+/-0.000 $\chi^2$/NDF: 7101084.5/38

In: -48.945+/-0.000 $\chi^2$/NDF:12888571.7/40

Out: -17.426+/-0.010 $\chi^2$/NDF:1013004.2/45

All: -48.945+/-0.000 $\chi^2$/NDF: 24357301.9/86

# dit_atl1_4aY_slope vs Slug, Sign Corrected




Right In: 6.728+/-0.000 $\chi^2$/NDF: 13770.5/17

Left Out: 11.049+/-0.012 $\chi^2$/NDF:31618.4/24

Right Out: 9.658+/-0.035 $\chi^2$/NDF: 27219.5/20

Left In: 11.498+/-0.010 $\chi^2$/NDF:15848.8/22

Left: 11.309+/-0.008 $\chi^2$/NDF: 48246.1/47

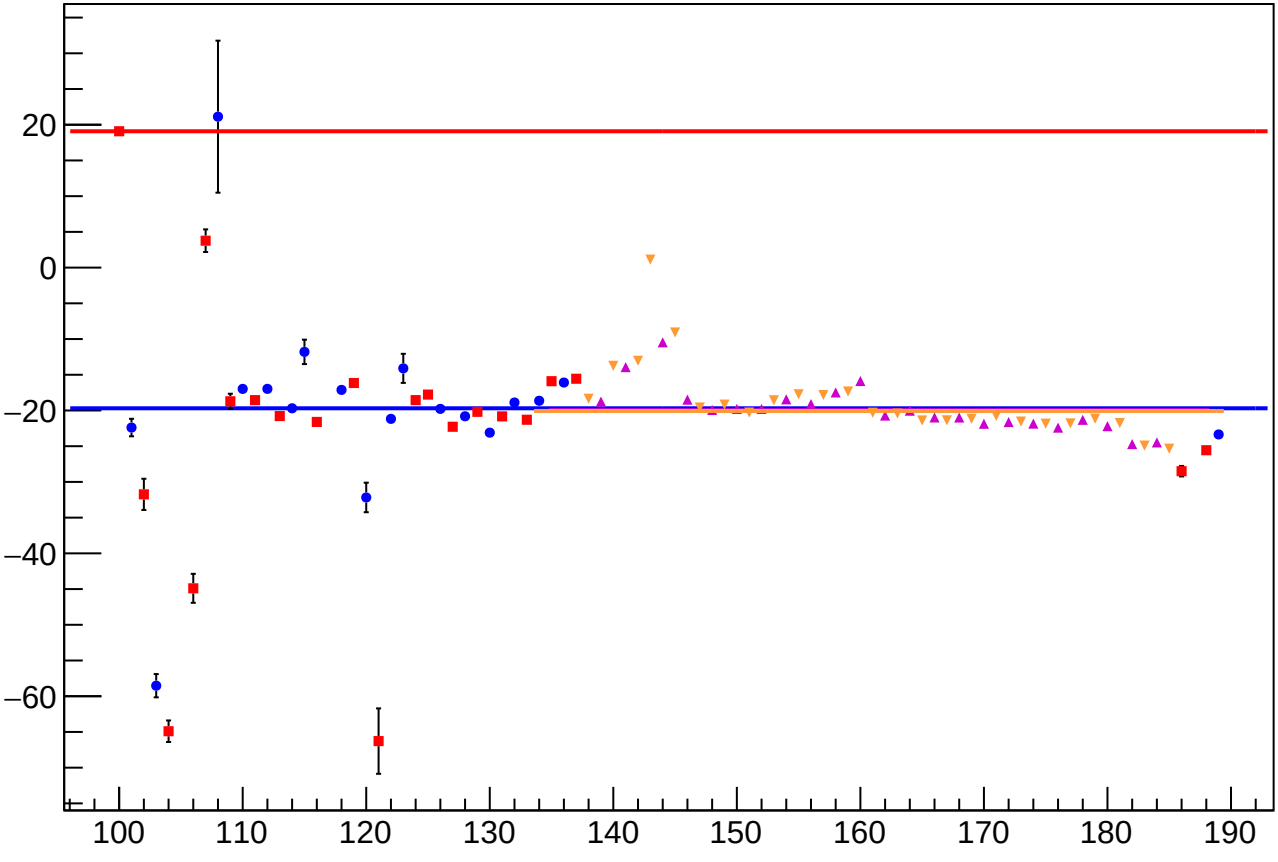
Right: 6.728+/-0.000 $\chi^2$/NDF: 48103.6/38

In: 6.728+/-0.000 $\chi^2$/NDF:238826.0/40

Out: 10.895+/-0.012 $\chi^2$/NDF:60265.0/45

All: 6.728+/-0.000 $\chi^2$/NDF: 429232.2/86

# dit_atl1_4eY_slope vs Slug, Sign Corrected




Right In: -19.693+/-0.000 $\chi^2$/NDF: 7617.8/17

Left Out: -20.065+/-0.014 $\chi^2$/NDF:71466.1/24

Right Out: 19.086+/-0.000 $\chi^2$/NDF: 670750.0/20

Left In: -19.955+/-0.015 $\chi^2$/NDF:22657.6/22

Left: -20.015+/-0.010 $\chi^2$/NDF: 94152.2/47

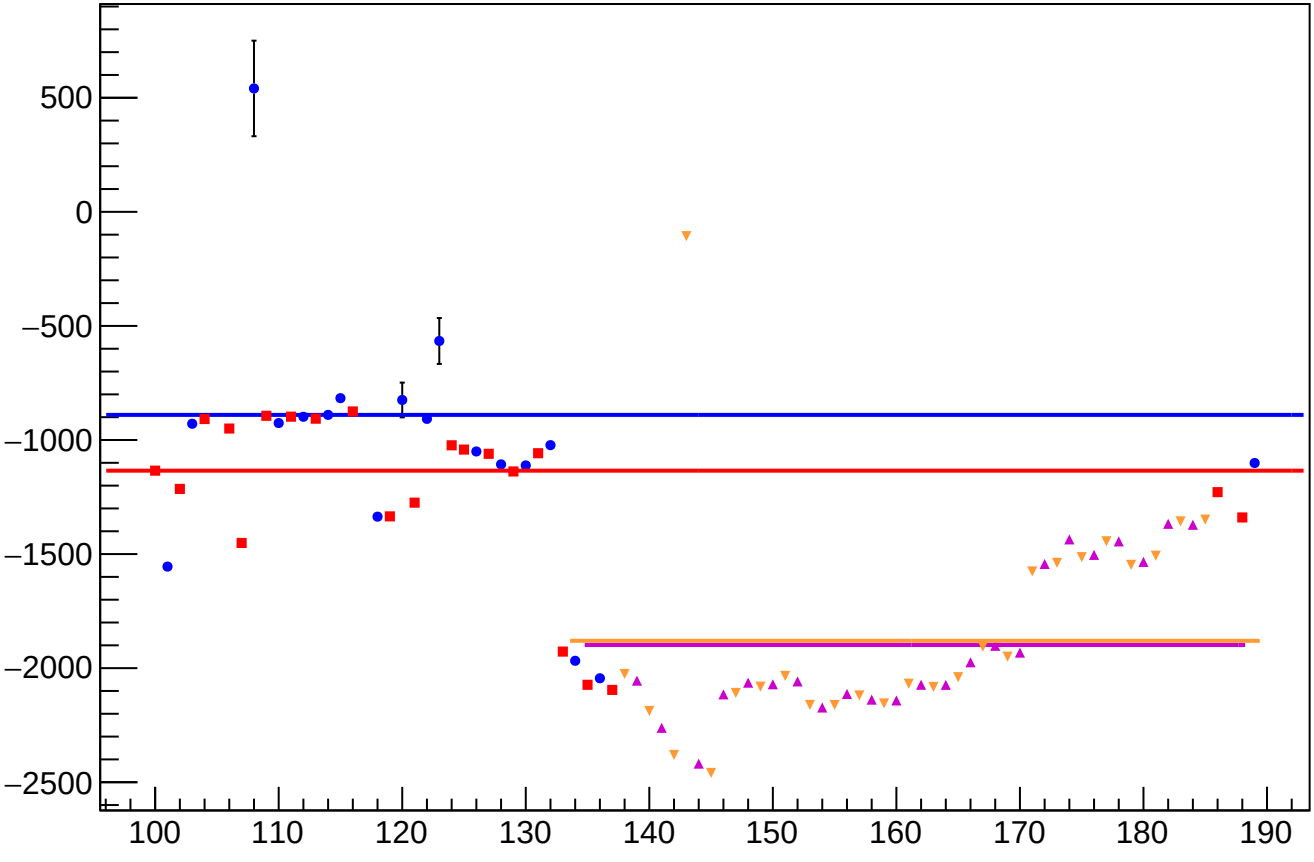
Right: -6.006+/-0.000 $\chi^2$/NDF: 4625637731292657

In: -19.693+/-0.000 $\chi^2$/NDF:30576.3/40

Out: 19.086+/-0.000 $\chi^2$/NDF:8747683.1/45

All: -6.006+/-0.000 $\chi^2$/NDF: 4625637731292

# dit_atl2_4aX_slope vs Slug, Sign Corrected




Right In: -889.928+/-0.000 $\chi^2$/NDF: 776151.9/17

Left Out: -1880.162+/-0.353 $\chi^2$/NDF:873293.0/24

Right Out: -1134.421+/-0.000 $\chi^2$/NDF: 764568.4/20

Left In: -1898.497+/-0.364 $\chi^2$/NDF:698003.8/22

Left: -1889.053+/-0.253 $\chi^2$/NDF: 1572605.5/47

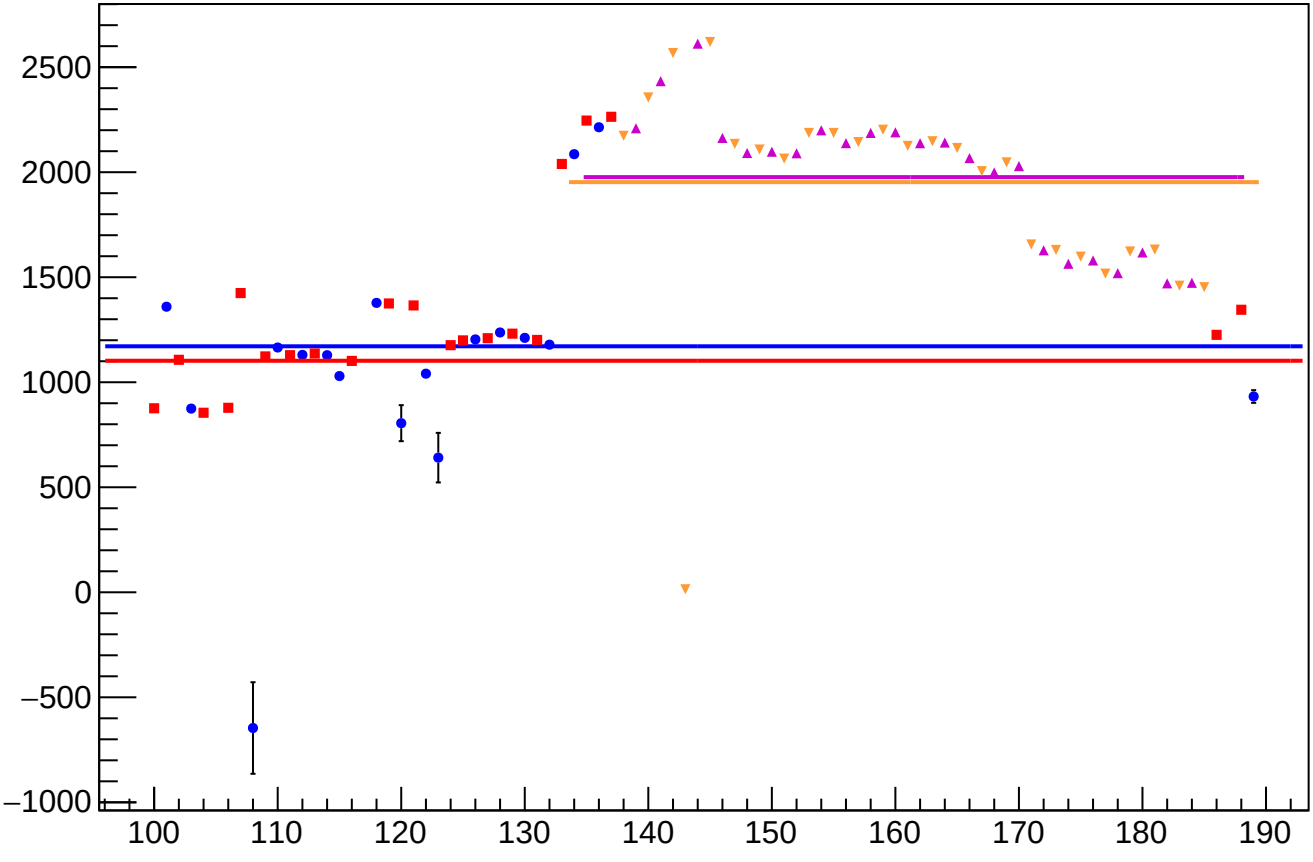
Right: -976.220+/-0.000 $\chi^2$/NDF: 44889787387498

In: -889.928+/-0.000 $\chi^2$/NDF:9162954.5/40

Out: -1134.421+/-0.000 $\chi^2$/NDF:6102332.0/45

All: -976.220+/-0.000 $\chi^2$/NDF: 44889787387

# dit_atl2_4eX_slope vs Slug, Sign Corrected




Right In: 1171.172+/-0.245 $\chi^2$/NDF: 509051.9/17

Left Out: 1952.706+/-0.354 $\chi^2$/NDF:820225.3/24

Right Out: 1102.331+/-0.245 $\chi^2$/NDF: 1143389.0/20

Left In: 1976.603+/-0.367 $\chi^2$/NDF:625684.0/22

Left: 1964.216+/-0.255 $\chi^2$/NDF: 1448104.1/47

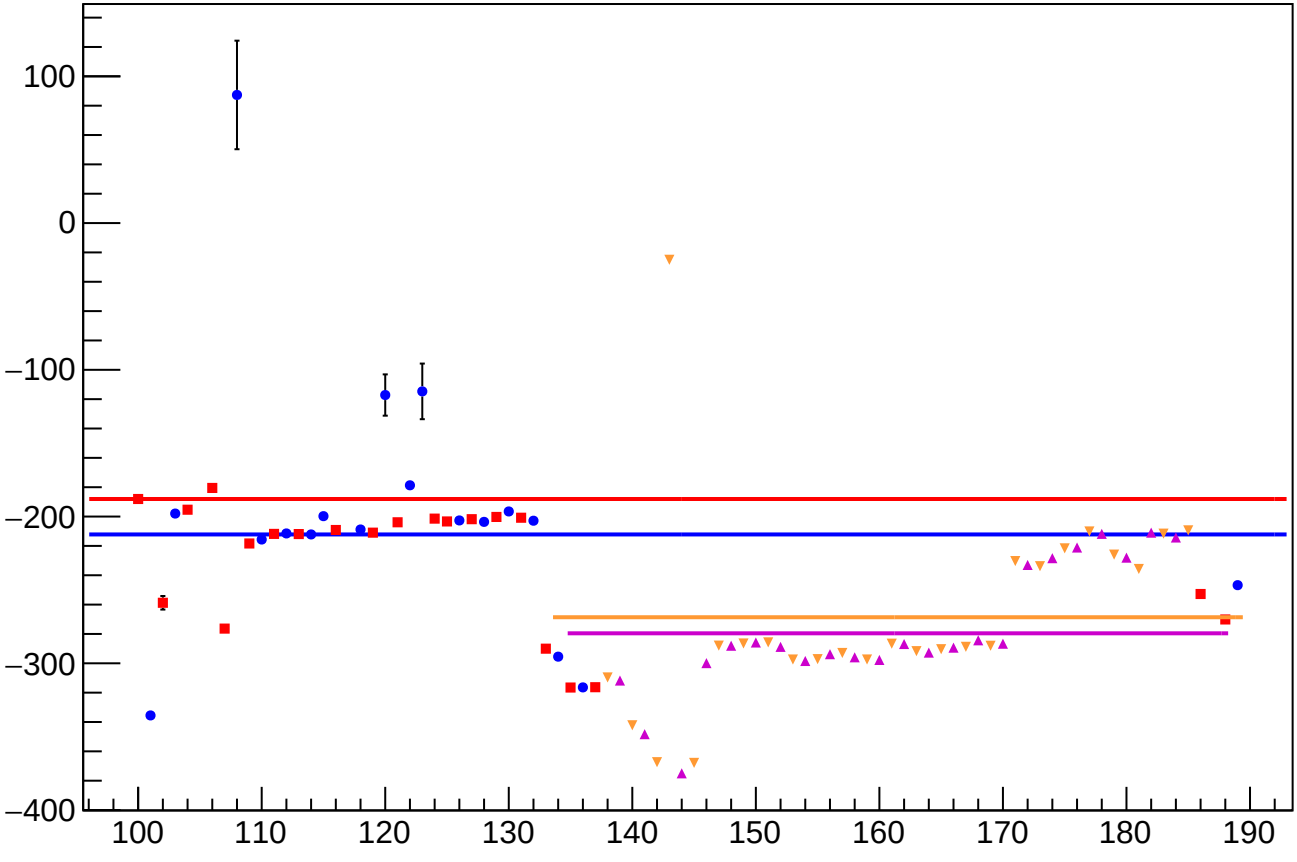
Right: 1136.745+/-0.173 $\chi^2$/NDF: 1691806.6/38

In: 1419.747+/-0.204 $\chi^2$/NDF:4460252.9/40

Out: 1378.226+/-0.202 $\chi^2$/NDF:5861982.0/45

All: 1398.742+/-0.143 $\chi^2$/NDF: 10343187.0/8

# dit_atl2_11X12X_slope vs Slug, Sign Corrected




Right In: -212.190+/-0.000 $\chi^2$/NDF: 1220917.8/17

Left Out: -268.611+/-0.022 $\chi^2$/NDF:7041710.3/24

Right Out: -188.033+/-0.000 $\chi^2$/NDF: 875686.9/20

Left In: -279.563+/-0.022 $\chi^2$/NDF:2298119.7/22

Left: -274.180+/-0.015 $\chi^2$/NDF: 9465442.7/47

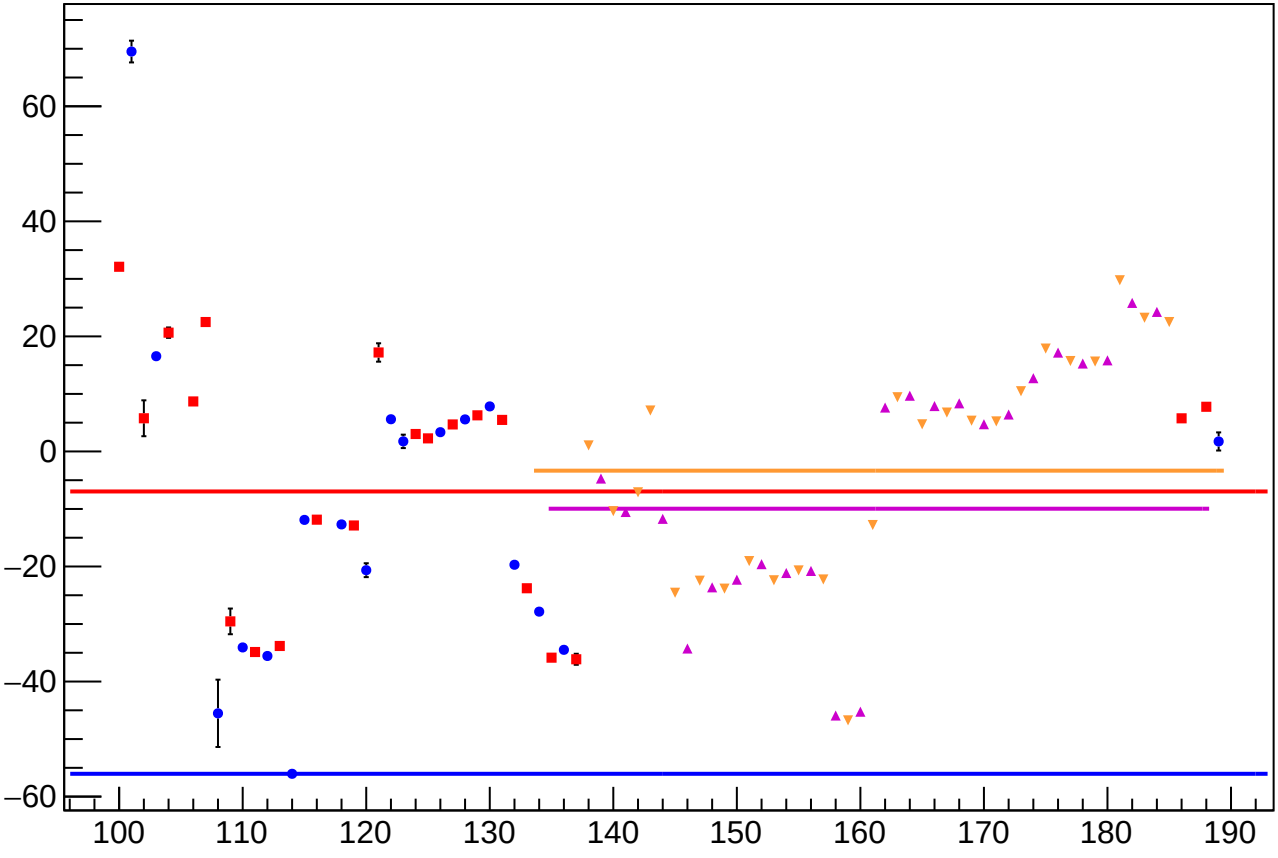
Right: -195.625+/-0.000 $\chi^2$/NDF: 13622303625661

In: -212.190+/-0.000 $\chi^2$/NDF:13190745.7/40

Out: -188.033+/-0.000 $\chi^2$/NDF:21289745.2/45

All: -195.625+/-0.000 $\chi^2$/NDF: 13622303625

# dit_atl2_4aY_slope vs Slug, Sign Corrected




Right In: -56.037+/-0.000 $\chi^2$/NDF: 1586764.5/17

Left Out: -3.341+/-0.018 $\chi^2$/NDF:1399746.6/24

Right Out: -6.958+/-0.041 $\chi^2$/NDF: 178301.8/20

Left In: -9.956+/-0.018 $\chi^2$/NDF:1689839.0/22

Left: -6.485+/-0.013 $\chi^2$/NDF: 3156876.8/47

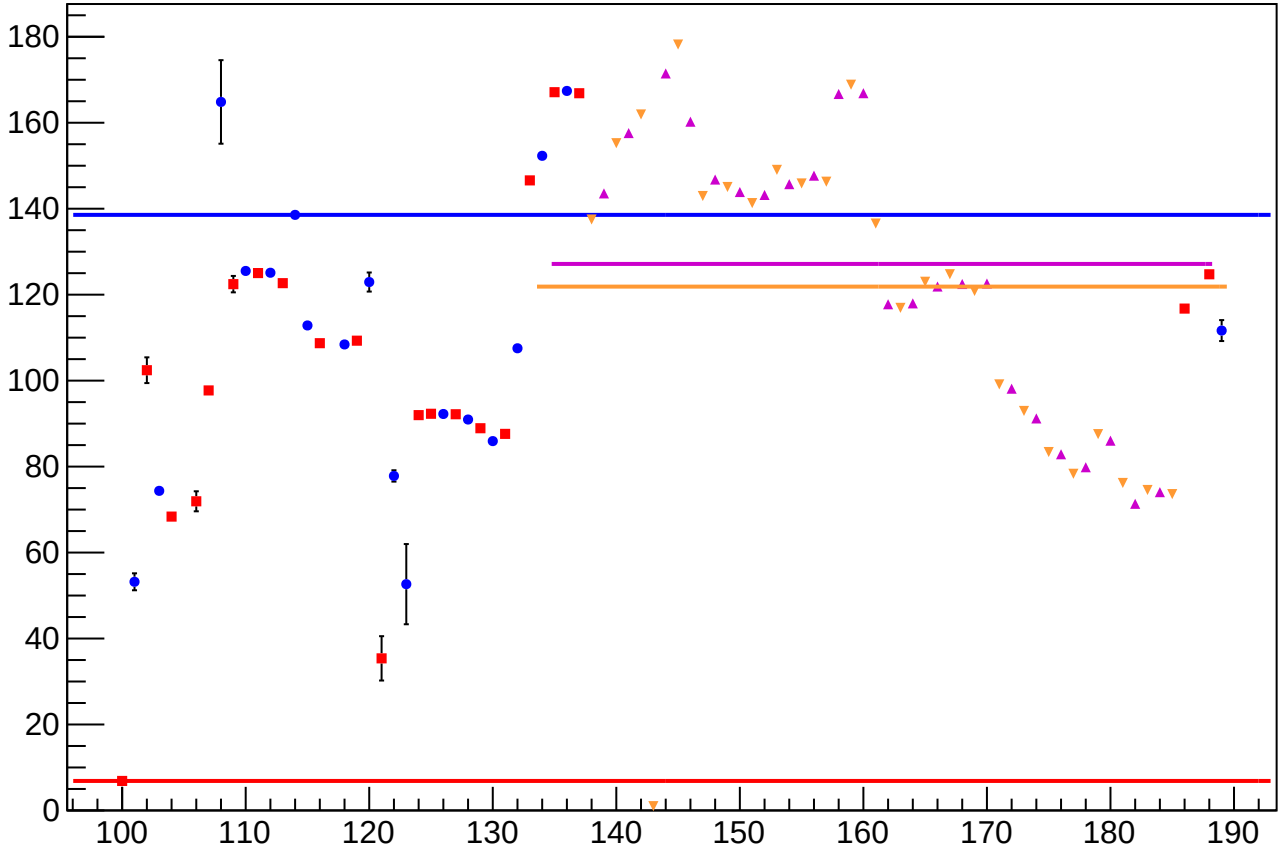
Right: -56.037+/-0.000 $\chi^2$/NDF: 3167271.4/38

In: -56.037+/-0.000 $\chi^2$/NDF:9500961.7/40

Out: -3.893+/-0.016 $\chi^2$/NDF:1584500.0/45

All: -56.037+/-0.000 $\chi^2$/NDF: 21469034.6/86

# dit_atl2_4eY_slope vs Slug, Sign Corrected




Right In: 138.565+/-0.000 $\chi^2$/NDF: 901281.6/17

Left Out: 121.875+/-0.024 $\chi^2$/NDF:1617383.6/24

Right Out: 6.866+/-0.000 $\chi^2$/NDF: 8313693.1/20

Left In: 127.150+/-0.026 $\chi^2$/NDF:1340248.6/22

Left: 124.317+/-0.018 $\chi^2$/NDF: 2979450.2/47

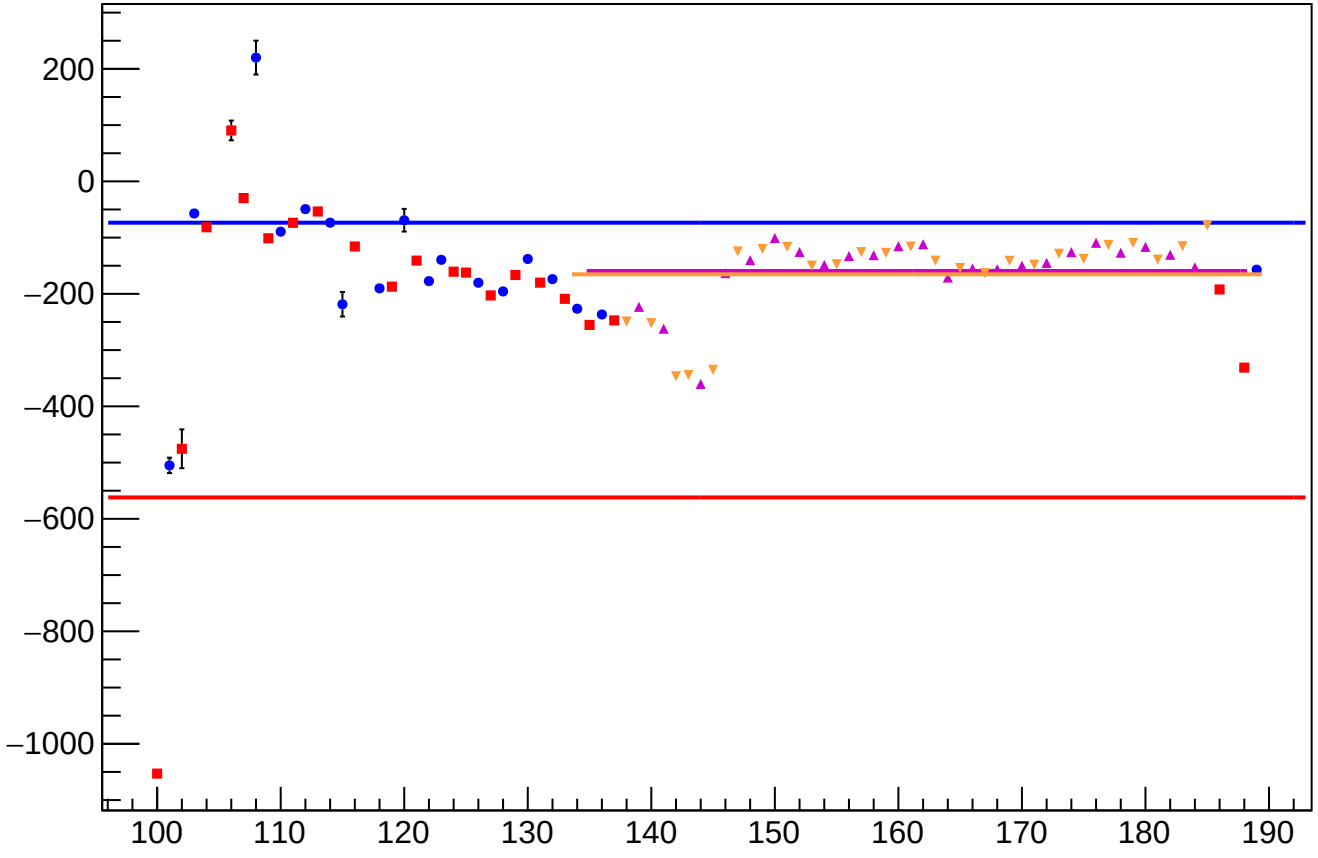
Right: 7.101+/-0.000 $\chi^2$/NDF: 2357682268192867

In: 138.565+/-0.000 $\chi^2$/NDF:2431730.8/40

Out: 6.866+/-0.000 $\chi^2$/NDF:32329309.4/45

All: 7.101+/-0.000 $\chi^2$/NDF: 2357682268192

# dit_atr1_4aX_slope vs Slug, Sign Corrected




Right In: -73.485+/-0.000 $\chi^2$/NDF: 99151.0/17

Left Out: -165.282+/-0.232 $\chi^2$/NDF:84301.0/24

Right Out: -561.957+/-0.254 $\chi^2$/NDF: 3128353.5/20

Left In: -159.346+/-0.239 $\chi^2$/NDF:73885.5/22

Left: -162.407+/-0.166 $\chi^2$/NDF: 158504.2/47

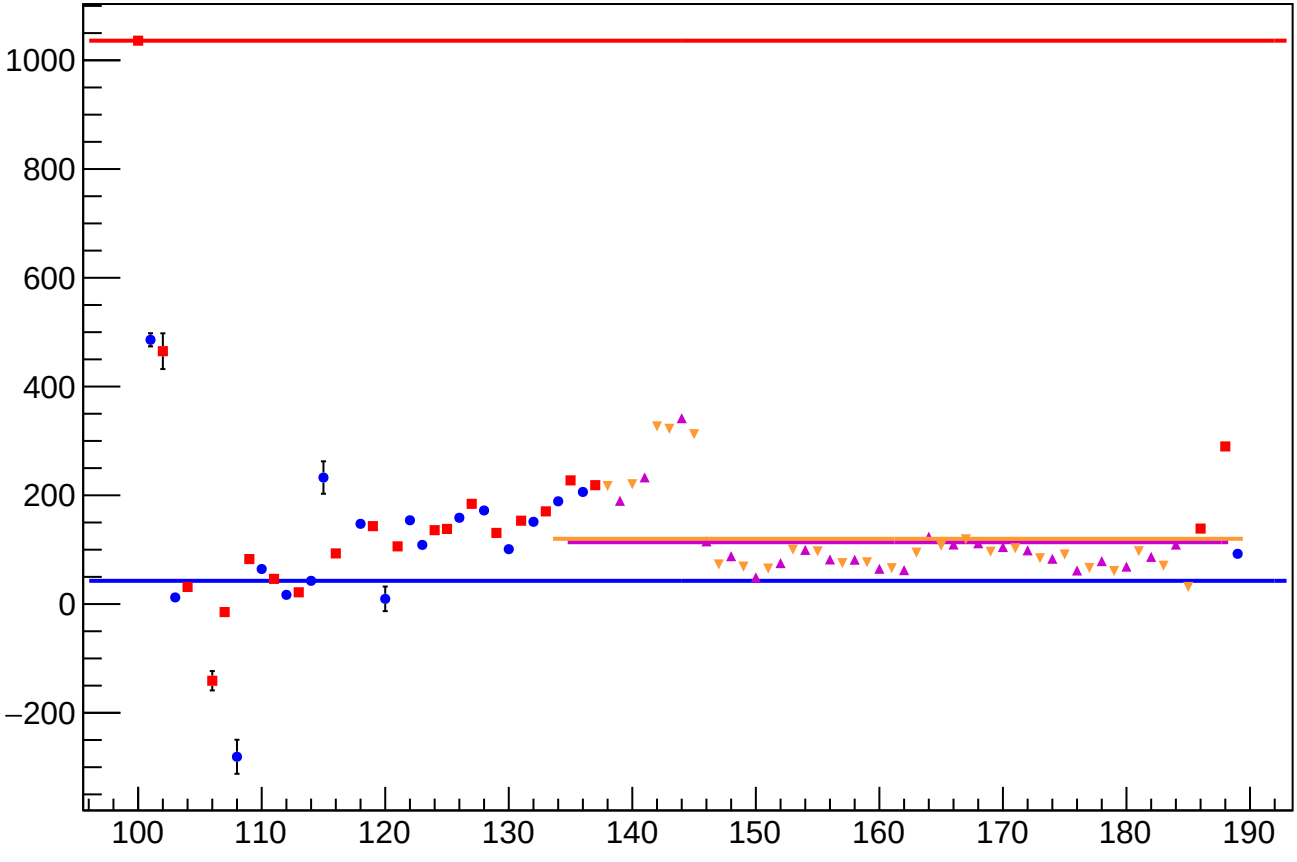
Right: -73.485+/-0.000 $\chi^2$/NDF: 6926402.1/38

In: -73.485+/-0.000 $\chi^2$/NDF:301942.3/40

Out: -345.489+/-0.171 $\chi^2$/NDF:4543792.8/45

All: -73.485+/-0.000 $\chi^2$/NDF: 7370409.6/86

# dit_atr1_4eX_slope vs Slug, Sign Corrected




Right In: 42.743+/-0.000 $\chi^2$/NDF: 84675.1/17

Left Out: 120.053+/-0.237 $\chi^2$/NDF:97926.9/24

Right Out: 1036.068+/-0.000 $\chi^2$/NDF: 5535585.2/20

Left In: 113.733+/-0.246 $\chi^2$/NDF:81886.4/22

Left: 117.016+/-0.171 $\chi^2$/NDF: 180155.1/47

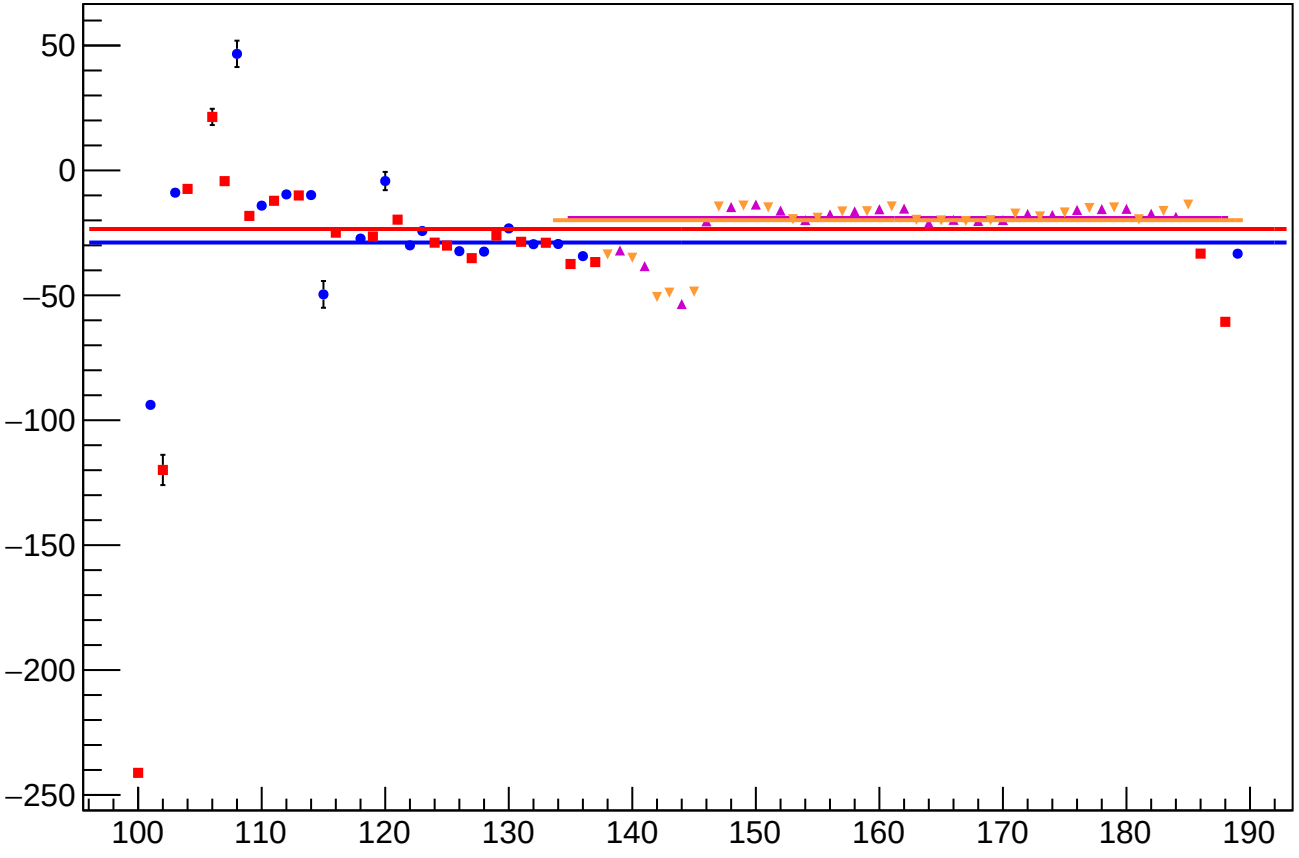
Right: 43.272+/-0.000 $\chi^2$/NDF: 1144517497266833

In: 42.743+/-0.000 $\chi^2$/NDF:249624.6/40

Out: 1036.068+/-0.000 $\chi^2$/NDF:20575203.9/45

All: 43.272+/-0.000 $\chi^2$/NDF: 1144517497266

# dit_atr1_11X12X_slope vs Slug, Sign Corrected




Right In: -28.865+/-0.035 $\chi^2$/NDF: 49663.4/17

Left Out: -19.926+/-0.012 $\chi^2$/NDF:374900.2/24

Right Out: -23.454+/-0.037 $\chi^2$/NDF: 423172.7/20

Left In: -19.047+/-0.014 $\chi^2$/NDF:214747.8/22

Left: -19.543+/-0.009 $\chi^2$/NDF: 591888.6/47

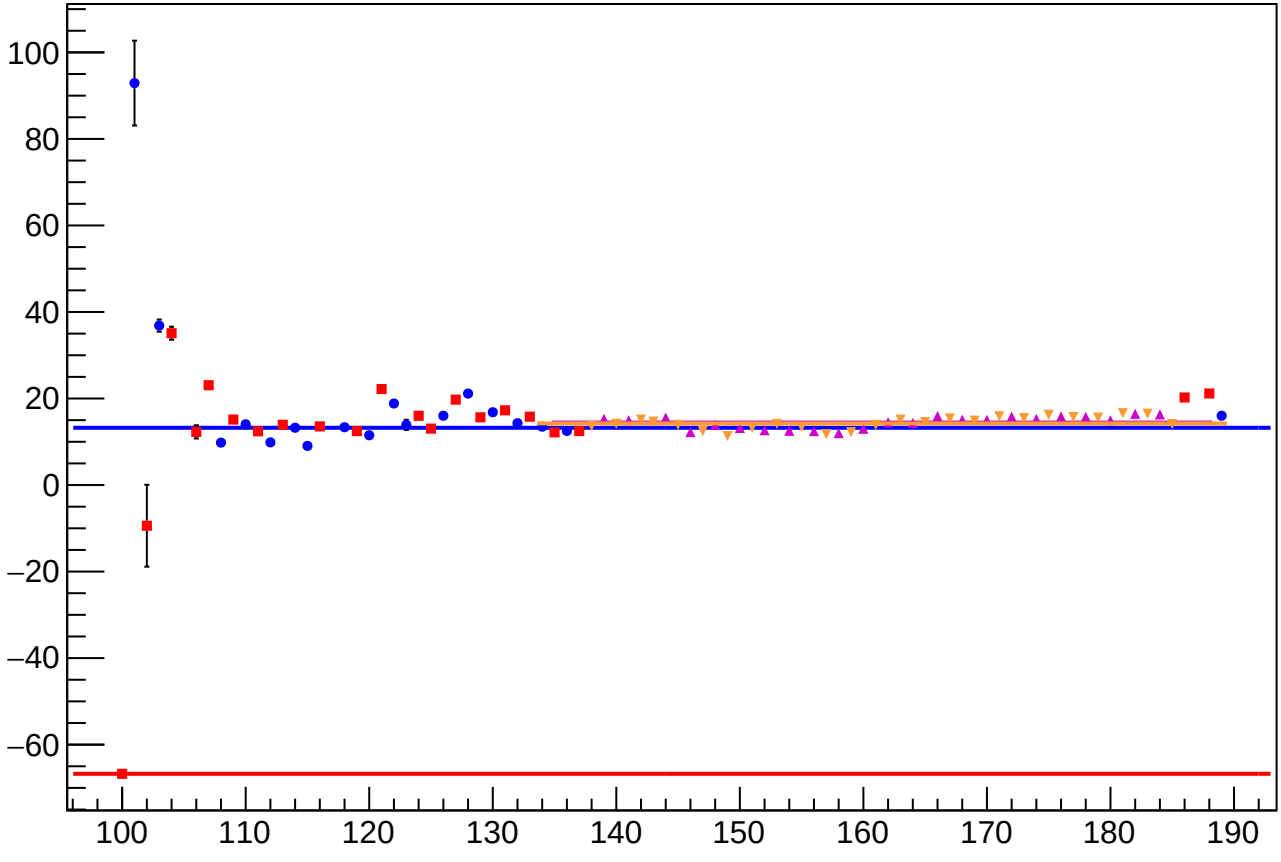
Right: -26.360+/-0.025 $\chi^2$/NDF: 484177.2/38

In: -20.421+/-0.013 $\chi^2$/NDF:333761.0/40

Out: -20.271+/-0.012 $\chi^2$/NDF:806168.8/45

All: -20.338+/-0.009 $\chi^2$/NDF: 1140004.1/86

# dit_atr1_4aY_slope vs Slug, Sign Corrected




Right In: 13.238+/-0.000 $\chi^2$/NDF: 5793.8/17

Left Out: 14.245+/-0.012 $\chi^2$/NDF:12367.6/24

Right Out: -66.739+/-0.000 $\chi^2$/NDF: 3186899.3/20

Left In: 14.441+/-0.012 $\chi^2$/NDF:12955.9/22

Left: 14.346+/-0.008 $\chi^2$/NDF: 25459.7/47

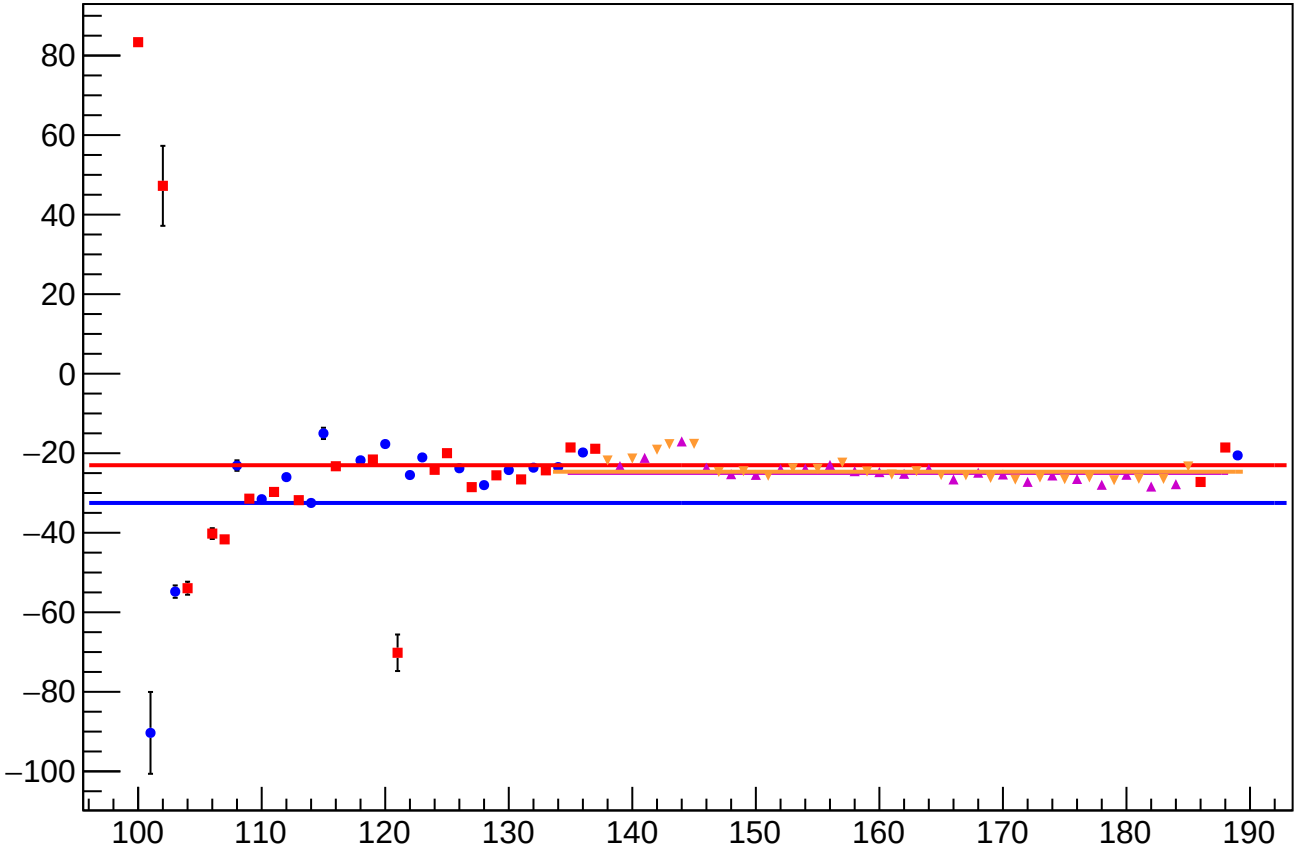
Right: 12.562+/-0.000 $\chi^2$/NDF: 1884310027651005

In: 13.238+/-0.000 $\chi^2$/NDF:29415.6/40

Out: -66.739+/-0.000 $\chi^2$/NDF:48846645.8/45

All: 12.562+/-0.000 $\chi^2$/NDF: 1884310027651

# dit_atr1_4eY_slope vs Slug, Sign Corrected




Right In: -32.504+/-0.000 $\chi^2$/NDF: 75187.4/17

Left Out: -24.652+/-0.015 $\chi^2$/NDF:23058.0/24

Right Out: -23.017+/-0.047 $\chi^2$/NDF: 91093.6/20

Left In: -24.948+/-0.015 $\chi^2$/NDF:14049.6/22

Left: -24.798+/-0.011 $\chi^2$/NDF: 37300.4/47

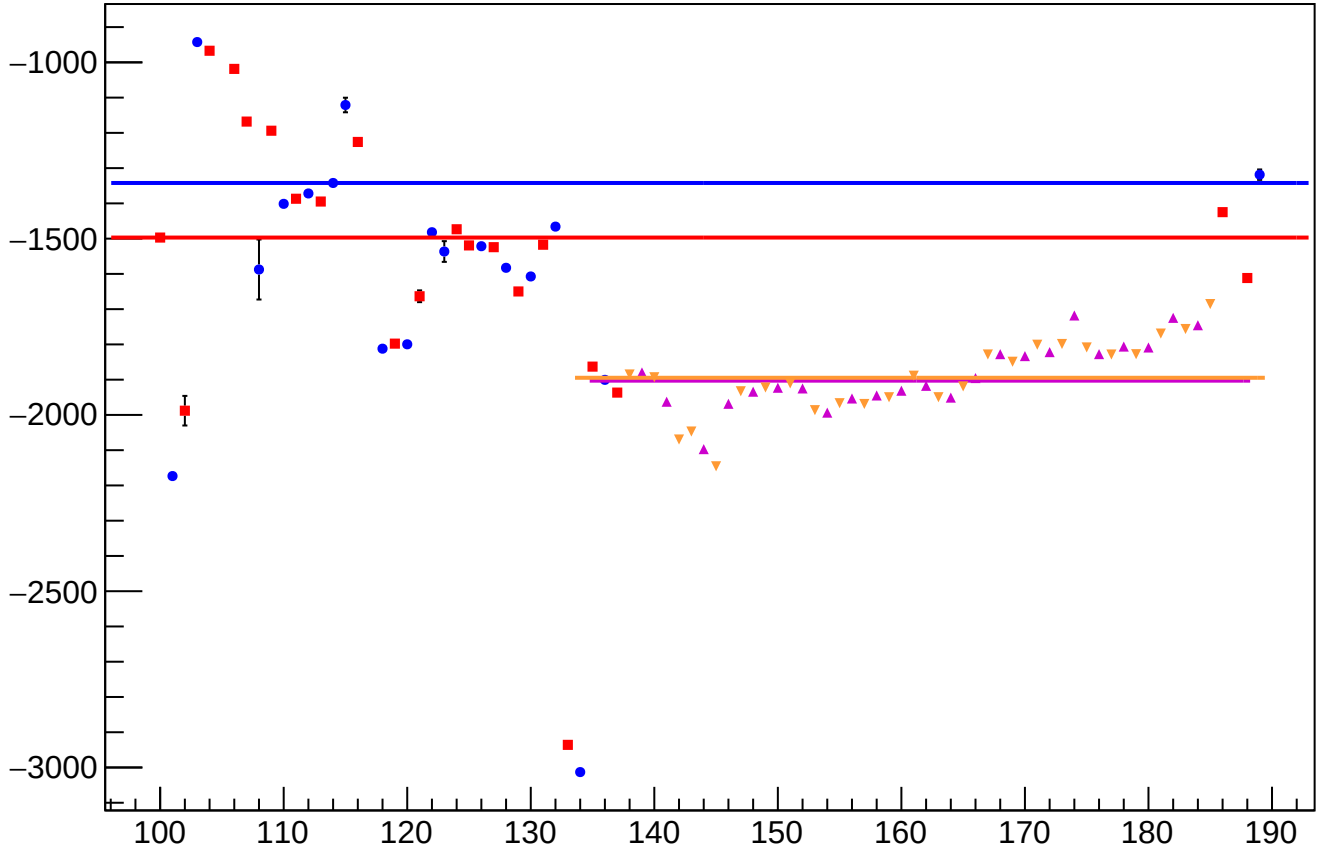
Right: -32.504+/-0.000 $\chi^2$/NDF: 207525.1/38

In: -32.504+/-0.000 $\chi^2$/NDF:337138.3/40

Out: -24.500+/-0.014 $\chi^2$/NDF:115262.9/45

All: -32.504+/-0.000 $\chi^2$/NDF: 767863.9/86

# dit_atr2_4aX_slope vs Slug, Sign Corrected




Right In: -1342.107+/-0.000 $\chi^2$/NDF: 370904.0/17

Left Out: -1894.646+/-0.318 $\chi^2$/NDF:67387.8/24

Right Out: -1496.932+/-0.000 $\chi^2$/NDF: 509875.1/20

Left In: -1902.803+/-0.289 $\chi^2$/NDF:69208.9/22

Left: -1899.114+/-0.214 $\chi^2$/NDF: 136957.6/47

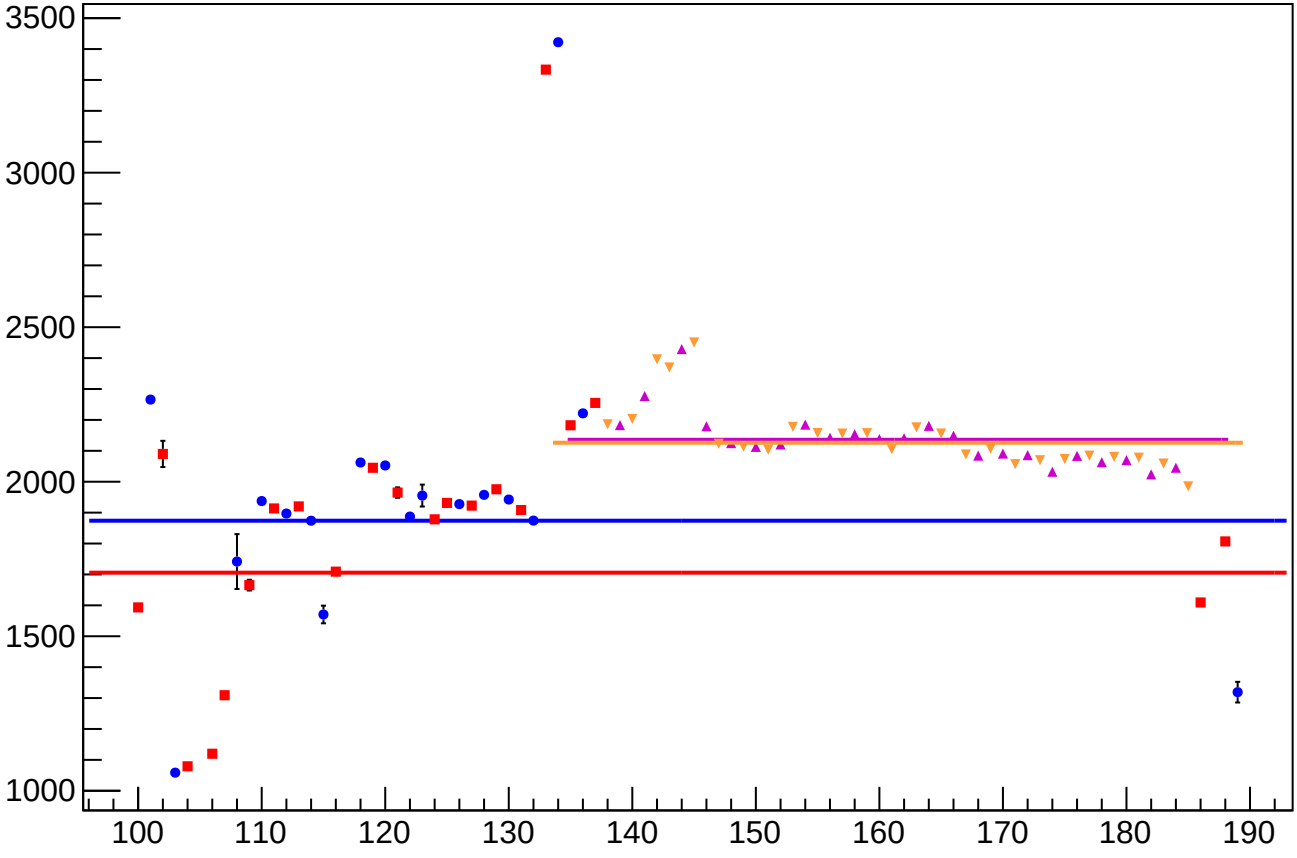
Right: -1396.751+/-0.000 $\chi^2$/NDF: 1800086126763

In: -1342.107+/-0.000 $\chi^2$/NDF:4210199.3/40

Out: -1496.932+/-0.000 $\chi^2$/NDF:2143644.6/45

All: -1396.751+/-0.000 $\chi^2$/NDF: 1800086126

# dit_atr2_4eX_slope vs Slug, Sign Corrected




Right In: 1873.852+/-0.000 $\chi^2$/NDF: 201839.6/17

Left Out: 2126.160+/-0.317 $\chi^2$/NDF:48244.0/24

Right Out: 1705.722+/-0.294 $\chi^2$/NDF: 843834.0/20

Left In: 2135.770+/-0.290 $\chi^2$/NDF:58031.3/22

Left: 2131.403+/-0.214 $\chi^2$/NDF: 106775.9/47

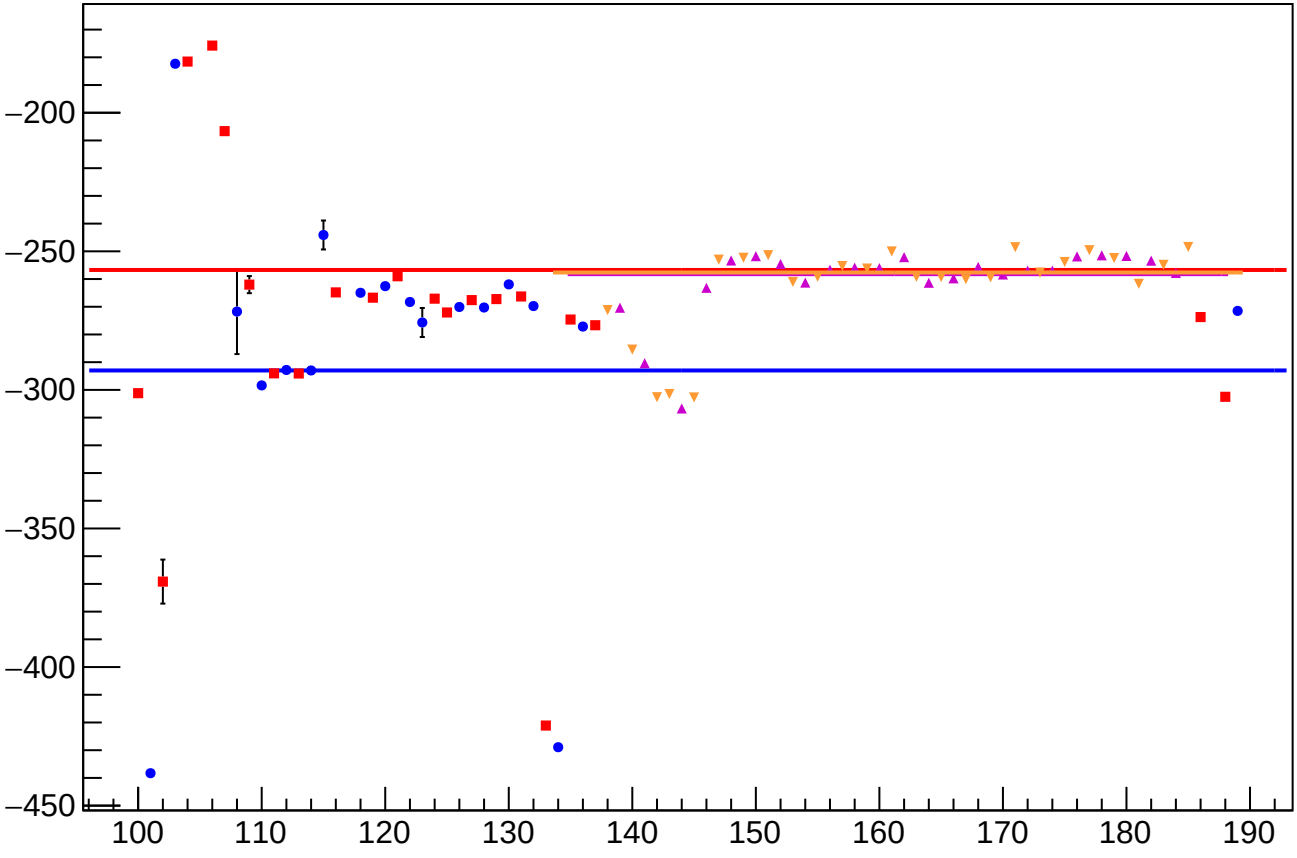
Right: 1873.852+/-0.000 $\chi^2$/NDF: 1372041.0/38

In: 1873.852+/-0.000 $\chi^2$/NDF:1078317.4/40

Out: 1900.164+/-0.216 $\chi^2$/NDF:1835942.3/45

All: 1873.852+/-0.000 $\chi^2$/NDF: 2929130.5/86

# dit_atr2_11X12X_slope vs Slug, Sign Corrected




Right In: -292.986+/-0.000 $\chi^2$/NDF: 1039187.5/17

Left Out: -257.631+/-0.020 $\chi^2$/NDF:226942.0/24

Right Out: -256.726+/-0.056 $\chi^2$/NDF: 530100.7/20

Left In: -258.240+/-0.017 $\chi^2$/NDF:268186.3/22

Left: -257.974+/-0.013 $\chi^2$/NDF: 495658.2/47

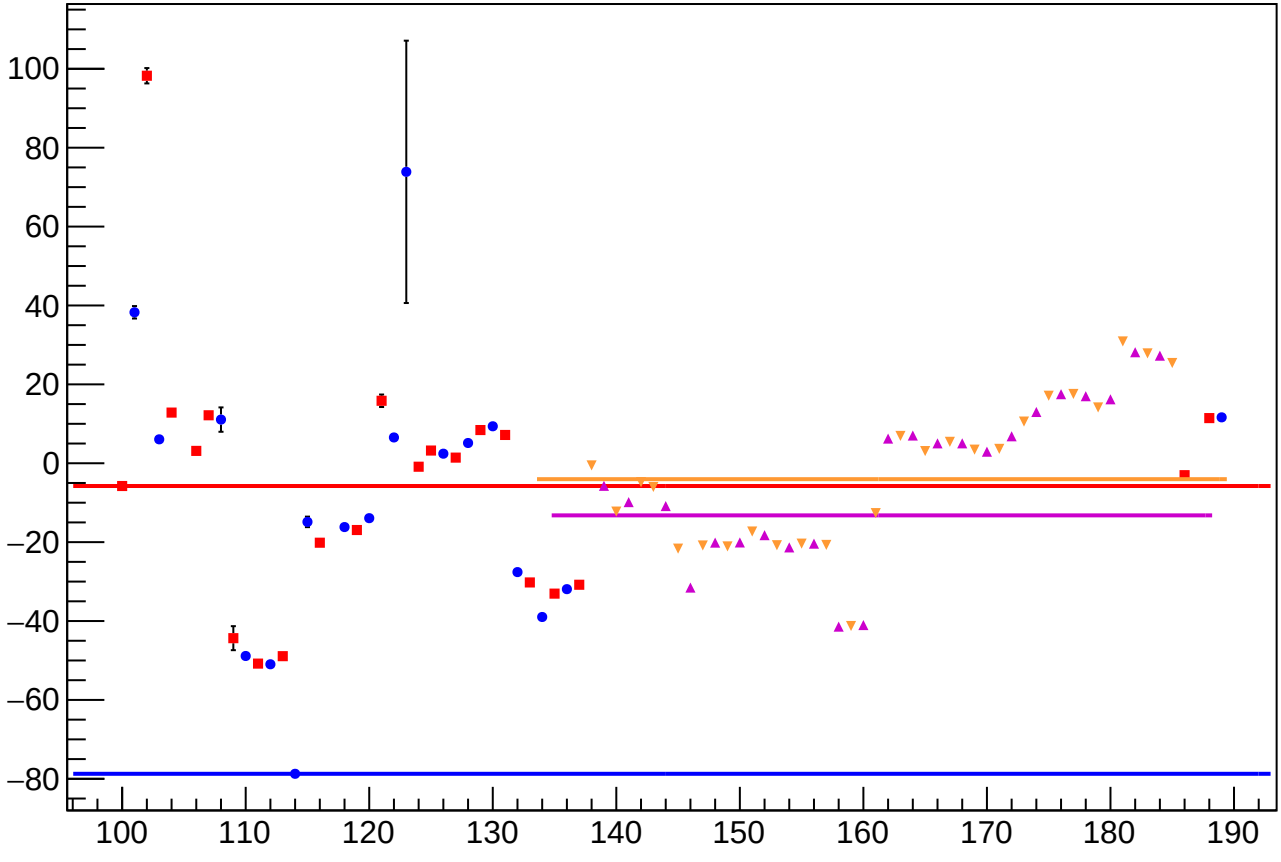
Right: -292.986+/-0.000 $\chi^2$/NDF: 1983365.3/38

In: -292.986+/-0.000 $\chi^2$/NDF:5254022.3/40

Out: -257.531+/-0.019 $\chi^2$/NDF:757272.3/45

All: -292.986+/-0.000 $\chi^2$/NDF: 9595127.9/86

# dit_atr2_4aY_slope vs Slug, Sign Corrected




Right In: -78.728+/-0.000 $\chi^2$/NDF: 1406171.2/17

Left Out: -4.036+/-0.017 $\chi^2$/NDF:1369619.3/24

Right Out: -5.769+/-0.000 $\chi^2$/NDF: 115501.9/20

Left In: -13.213+/-0.017 $\chi^2$/NDF:1356033.4/22

Left: -8.666+/-0.012 $\chi^2$/NDF: 2871427.0/47

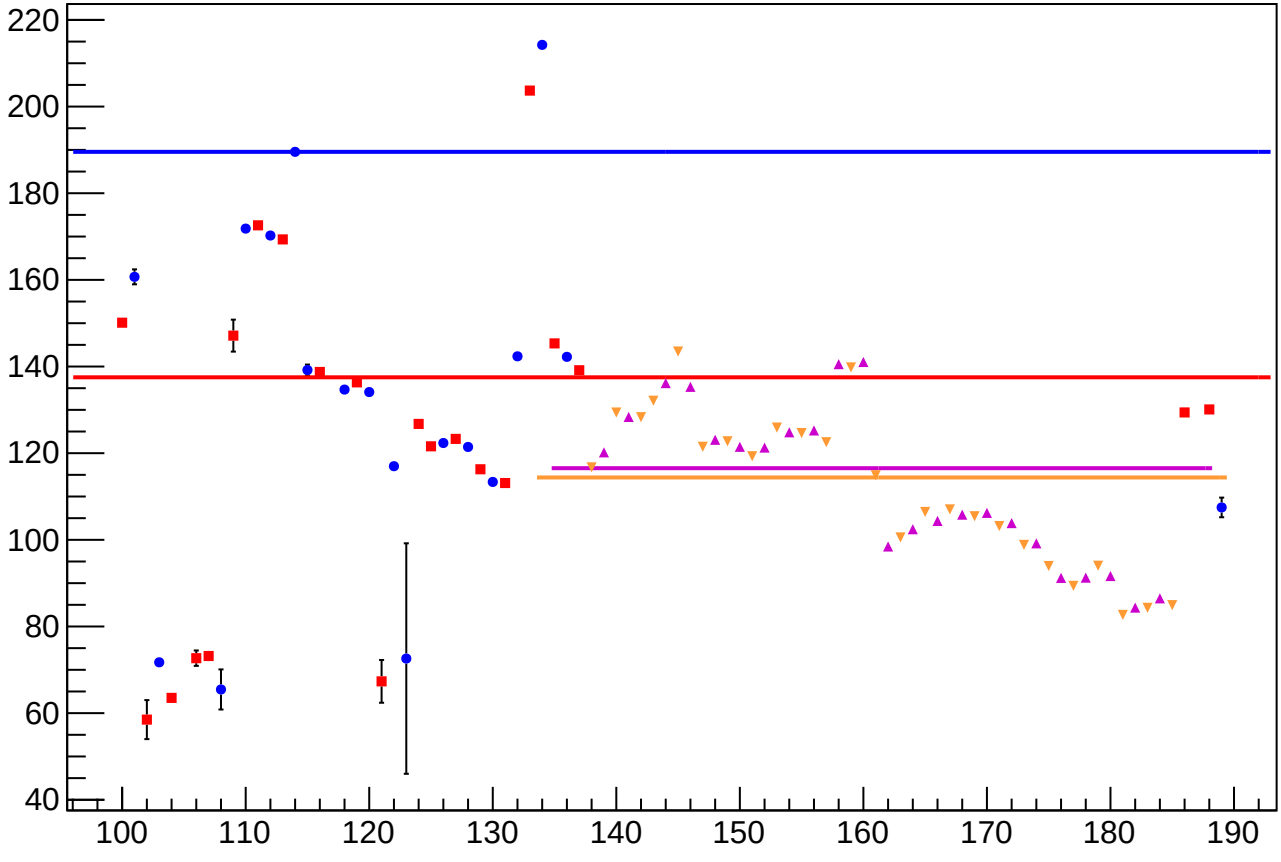
Right: -6.288+/-0.000 $\chi^2$/NDF: 2878797679293380

In: -78.728+/-0.000 $\chi^2$/NDF:17758979.6/40

Out: -5.769+/-0.000 $\chi^2$/NDF:1495433.3/45

All: -6.288+/-0.000 $\chi^2$/NDF: 2878797679293

# dit_atr2_4eY_slope vs Slug, Sign Corrected




Right In: 189.551+/-0.000 $\chi^2$/NDF: 928703.0/17

Left Out: 114.395+/-0.023 $\chi^2$/NDF:434871.2/24

Right Out: 137.511+/-0.057 $\chi^2$/NDF: 118487.9/20

Left In: 116.538+/-0.024 $\chi^2$/NDF:458128.6/22

Left: 115.418+/-0.016 $\chi^2$/NDF: 897301.5/47

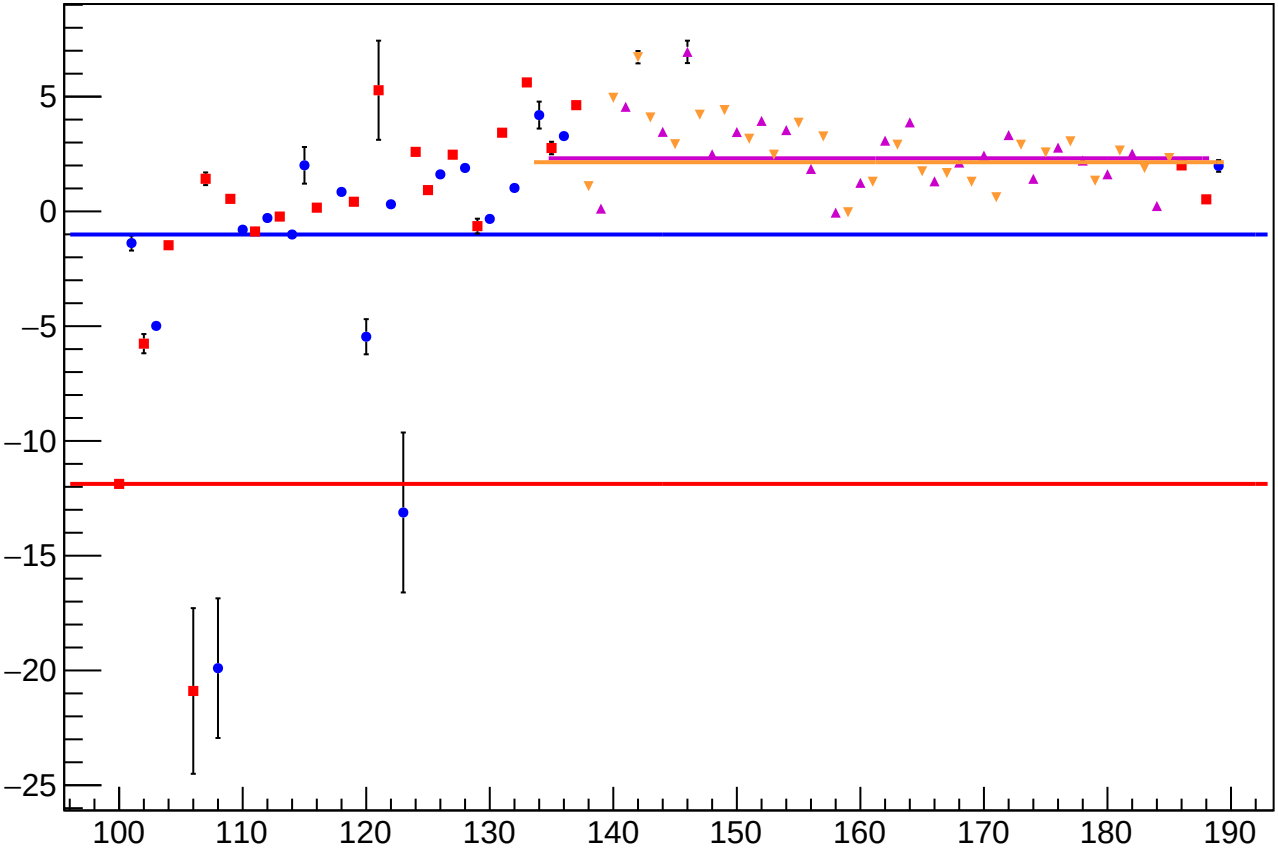
Right: 189.551+/-0.000 $\chi^2$/NDF: 1873967.0/38

In: 189.551+/-0.000 $\chi^2$/NDF:10948644.2/40

Out: 117.507+/-0.021 $\chi^2$/NDF:694535.1/45

All: 189.551+/-0.000 $\chi^2$/NDF: 23415035.3/86

# dit_sam1_4aX_slope vs Slug, Sign Corrected




Right In: -1.007+/-0.000 $\chi^2$/NDF: 7195.3/17

Left Out: 2.143+/-0.015 $\chi^2$/NDF:6585.0/24

Right Out: -11.872+/-0.000 $\chi^2$/NDF: 586164.9/20

Left In: 2.313+/-0.014 $\chi^2$/NDF:7446.3/22

Left: 2.231+/-0.010 $\chi^2$/NDF: 14101.5/47

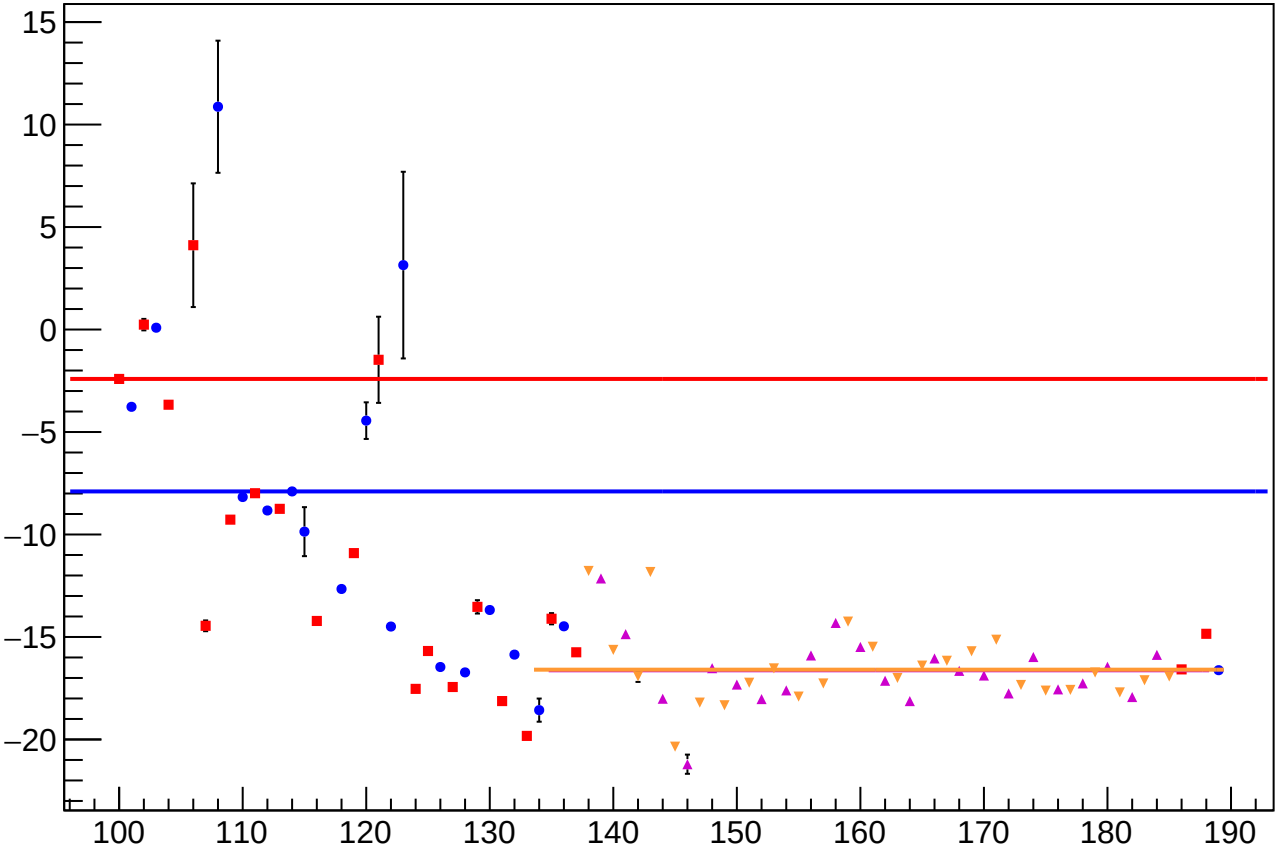
Right: -1.365+/-0.000 $\chi^2$/NDF: 2170760676638215

In: -1.007+/-0.000 $\chi^2$/NDF:70365.6/40

Out: -11.872+/-0.000 $\chi^2$/NDF:1507982.0/45

All: -1.365+/-0.000 $\chi^2$/NDF: 2170760676638

# dit_sam1_4eX_slope vs Slug, Sign Corrected




Right In: -7.899+/-0.000 $\chi^2$/NDF: 42917.2/17

Left Out: -16.595+/-0.014 $\chi^2$/NDF:8432.7/24

Right Out: -2.410+/-0.000 $\chi^2$/NDF: 303748.4/20

Left In: -16.625+/-0.015 $\chi^2$/NDF:6289.5/22

Left: -16.610+/-0.010 $\chi^2$/NDF: 14724.4/47

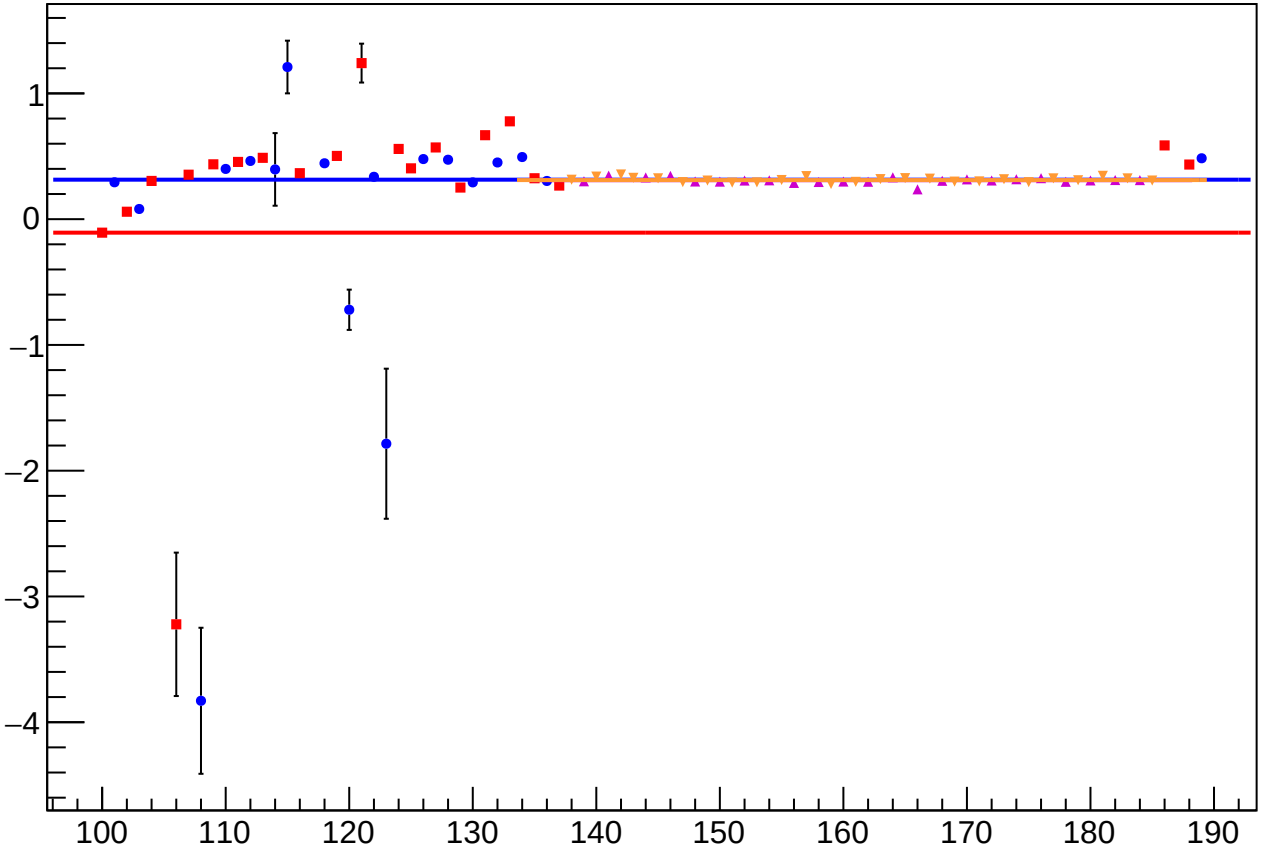
Right: -4.135+/-0.000 $\chi^2$/NDF: 2879850560728951

In: -7.899+/-0.000 $\chi^2$/NDF:402014.5/40

Out: -2.410+/-0.000 $\chi^2$/NDF:1285445.5/45

All: -4.135+/-0.000 $\chi^2$/NDF: 2879850560728

# dit_sam1_11X12X_slope vs Slug, Sign Corrected




Right In: 0.314+/-0.001 $\chi^2$/NDF: 2793.4/17

Left Out: 0.311+/-0.000 $\chi^2$/NDF:4975.7/24

Right Out: -0.107+/-0.000 $\chi^2$/NDF: 229008.3/20

Left In: 0.310+/-0.000 $\chi^2$/NDF:3074.6/22

Left: 0.310+/-0.000 $\chi^2$/NDF: 8056.7/47

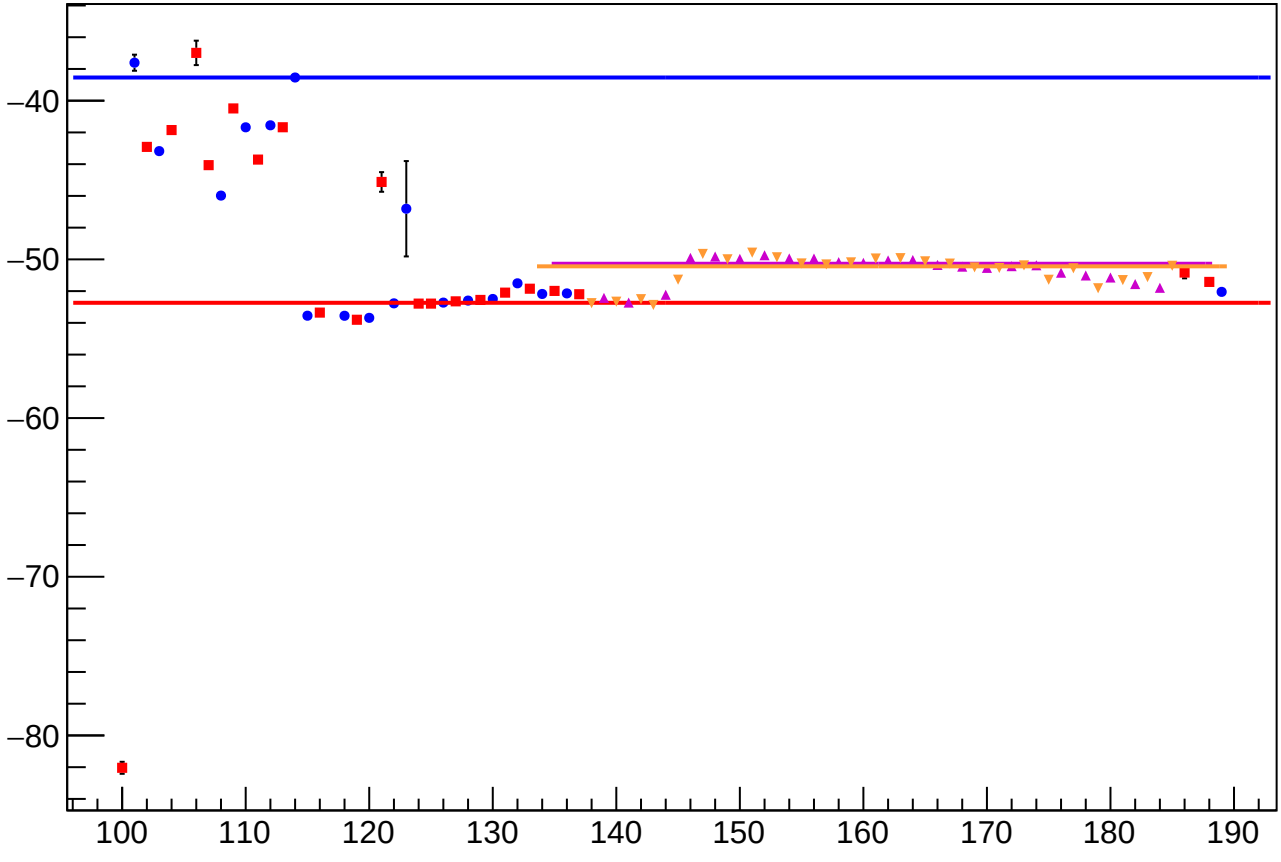
Right: -0.107+/-0.000 $\chi^2$/NDF: 418649.7/38

In: 0.310+/-0.000 $\chi^2$/NDF:5884.4/40

Out: -0.107+/-0.000 $\chi^2$/NDF:3671258.4/45

All: -0.107+/-0.000 $\chi^2$/NDF: 7166425.5/86

# dit_sam1_4aY_slope vs Slug, Sign Corrected




Right In: -38.539+/-0.000 $\chi^2$/NDF: 14954551.7/17

Left Out: -50.438+/-0.001 $\chi^2$/NDF:299897.3/24

Right Out: -52.736+/-0.002 $\chi^2$/NDF: 87839.8/20

Left In: -50.276+/-0.001 $\chi^2$/NDF:190236.3/22

Left: -50.350+/-0.001 $\chi^2$/NDF: 497837.6/47

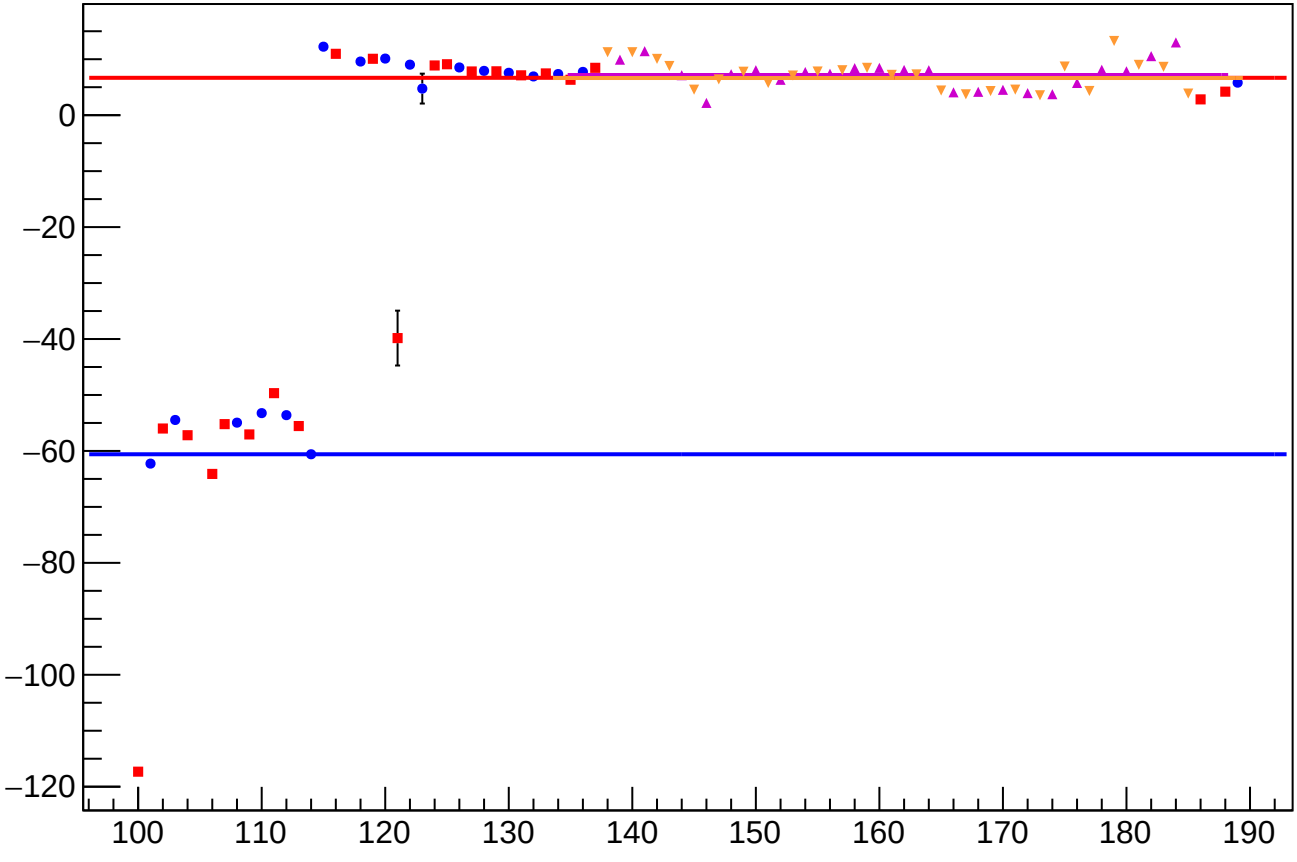
Right: -38.539+/-0.000 $\chi^2$/NDF: 72142271.3/38

In: -38.539+/-0.000 $\chi^2$/NDF:103113612.7/40

Out: -51.235+/-0.001 $\chi^2$/NDF:1364406.3/45

All: -38.539+/-0.000 $\chi^2$/NDF: 236180558.8/8

# dit_sam1_4eY_slope vs Slug, Sign Corrected




Right In: -60.594+/-0.000 $\chi^2$/NDF: 26241955.6/17

Left Out: 6.641+/-0.004 $\chi^2$/NDF:340462.4/24

Right Out: 6.677+/-0.011 $\chi^2$/NDF: 1268122.2/20

Left In: 7.179+/-0.003 $\chi^2$/NDF:214127.6/22

Left: 6.926+/-0.003 $\chi^2$/NDF: 565961.5/47

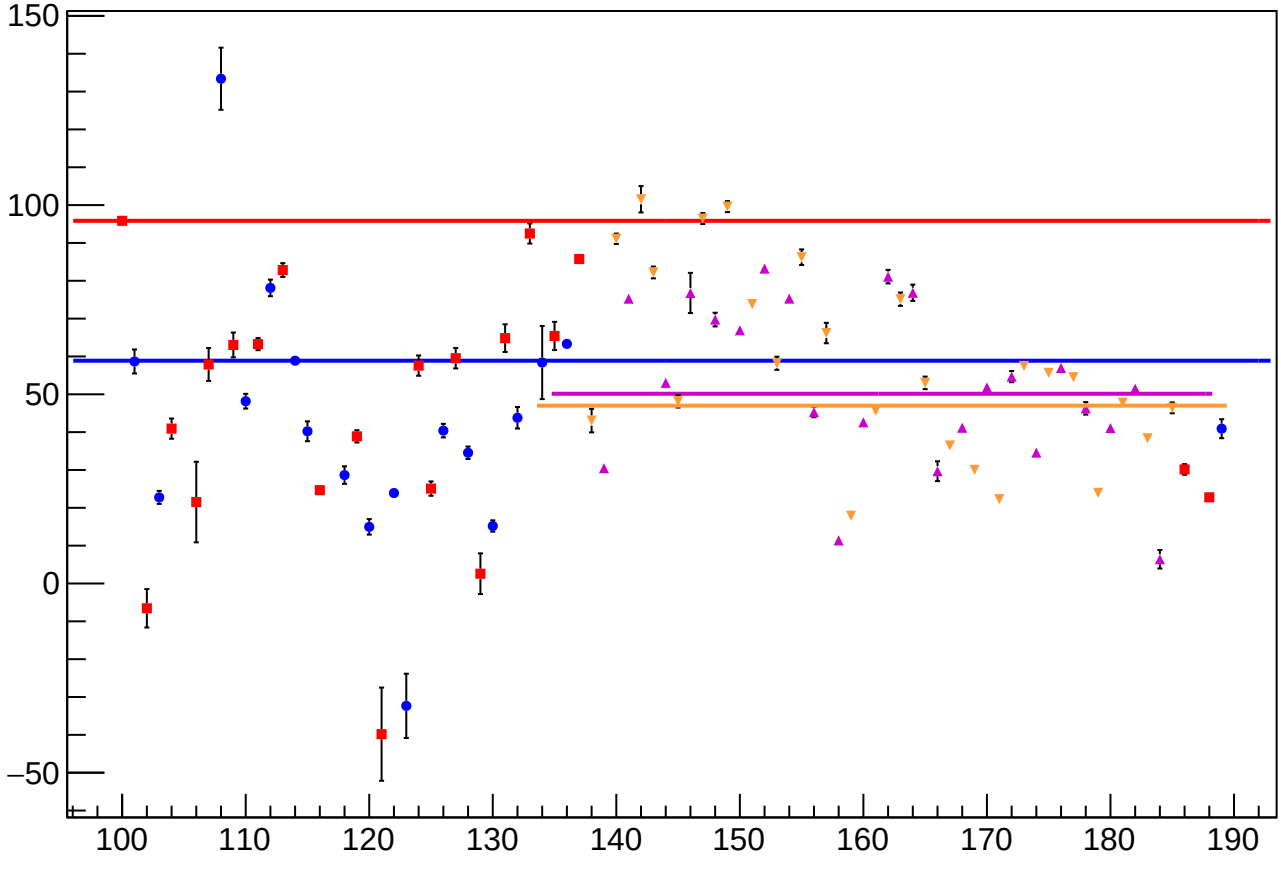
Right: -60.594+/-0.000 $\chi^2$/NDF: 65874237.5/38

In: -60.594+/-0.000 $\chi^2$/NDF:410312817.5/40

Out: 6.644+/-0.003 $\chi^2$/NDF:1608594.9/45

All: -60.594+/-0.000 $\chi^2$/NDF: 784350689.9/8

# dit_sam2_4aX_slope vs Slug, Sign Corrected




Right In: 58.880+/-0.000 $\chi^2$/NDF: 3866.1/17

Left Out: 46.995+/-0.215 $\chi^2$/NDF:9203.7/24

Right Out: 95.846+/-0.000 $\chi^2$/NDF: 60245.0/20

Left In: 50.144+/-0.212 $\chi^2$/NDF:6667.7/22

Left: 48.595+/-0.151 $\chi^2$/NDF: 15980.5/47

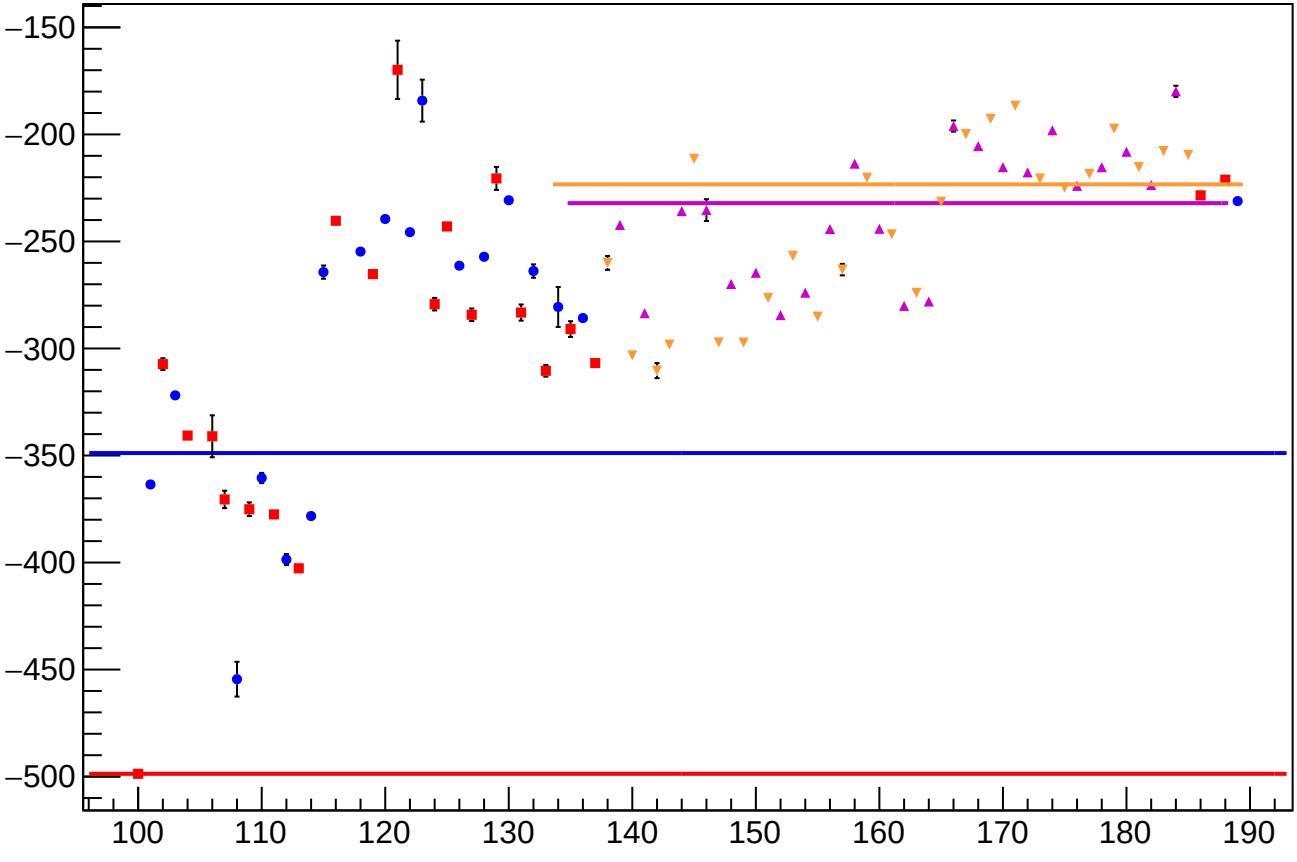
Right: 60.098+/-0.000 $\chi^2$/NDF: 9815233945666380

In: 58.880+/-0.000 $\chi^2$/NDF:12239.7/40

Out: 95.846+/-0.000 $\chi^2$/NDF:121089.5/45

All: 60.098+/-0.000 $\chi^2$/NDF: 9815233945666

# dit_sam2_4eX_slope vs Slug, Sign Corrected




Right In: -348.855+/-0.243 $\chi^2$/NDF: 45261.0/17

Left Out: -223.342+/-0.215 $\chi^2$/NDF:22293.9/24

Right Out: -498.692+/-0.000 $\chi^2$/NDF: 837418.5/20

Left In: -232.094+/-0.217 $\chi^2$/NDF:17468.1/22

Left: -227.678+/-0.153 $\chi^2$/NDF: 40579.8/47

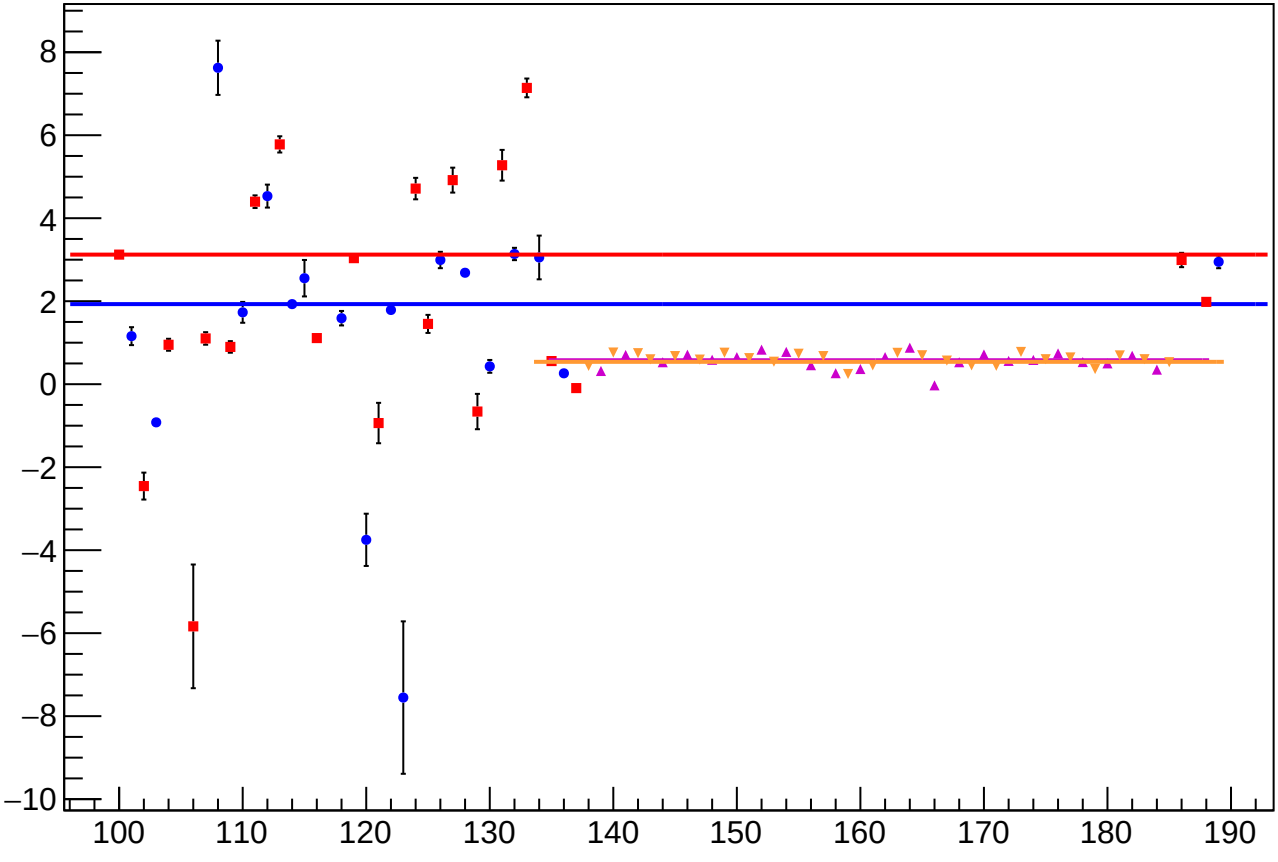
Right: -498.692+/-0.000 $\chi^2$/NDF: 1264448.3/38

In: -284.123+/-0.162 $\chi^2$/NDF:191249.6/40

Out: -498.692+/-0.000 $\chi^2$/NDF:2493375.7/45

All: -498.692+/-0.000 $\chi^2$/NDF: 4441533.3/86

# dit_sam2_11X12X_slope vs Slug, Sign Corrected




Right In: 1.930+/-0.000 $\chi^2$/NDF: 60014.5/17

Left Out: 0.539+/-0.002 $\chi^2$/NDF:10792.6/24

Right Out: 3.123+/-0.000 $\chi^2$/NDF: 512815.3/20

Left In: 0.577+/-0.001 $\chi^2$/NDF:15533.6/22

Left: 0.561+/-0.001 $\chi^2$/NDF: 26629.0/47

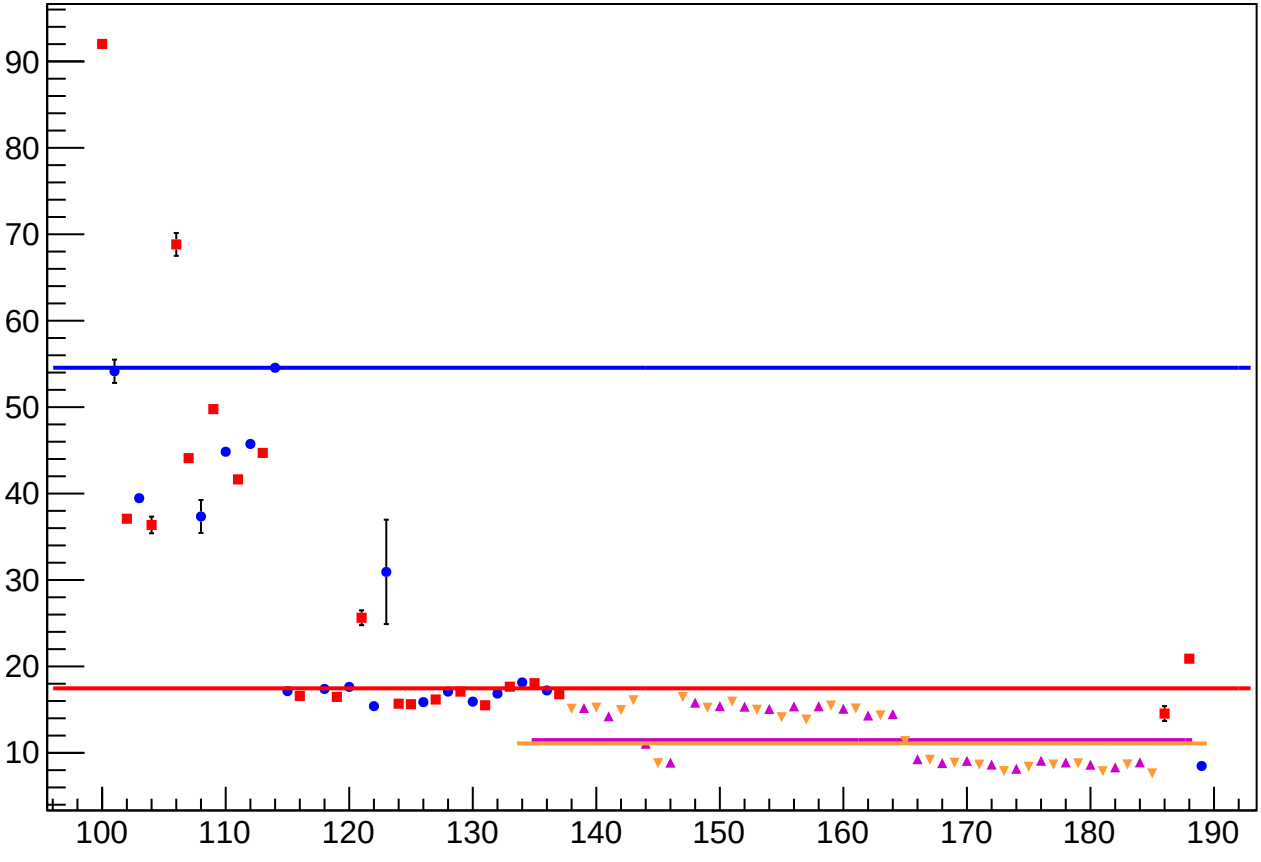
Right: 2.073+/-0.000 $\chi^2$/NDF: 38099534578085305

In: 1.930+/-0.000 $\chi^2$/NDF:944745.2/40

Out: 3.123+/-0.000 $\chi^2$/NDF:2908651.0/45

All: 2.073+/-0.000 $\chi^2$/NDF: 38099534578085

# dit_sam2_4aY_slope vs Slug, Sign Corrected




Right In: 54.556+/-0.000 $\chi^2$/NDF: 9915674.9/17

Left Out: 11.095+/-0.005 $\chi^2$/NDF:381518.3/24

Right Out: 17.467+/-0.018 $\chi^2$/NDF: 99426.5/20

Left In: 11.477+/-0.005 $\chi^2$/NDF:381285.2/22

Left: 11.291+/-0.004 $\chi^2$/NDF: 765409.6/47

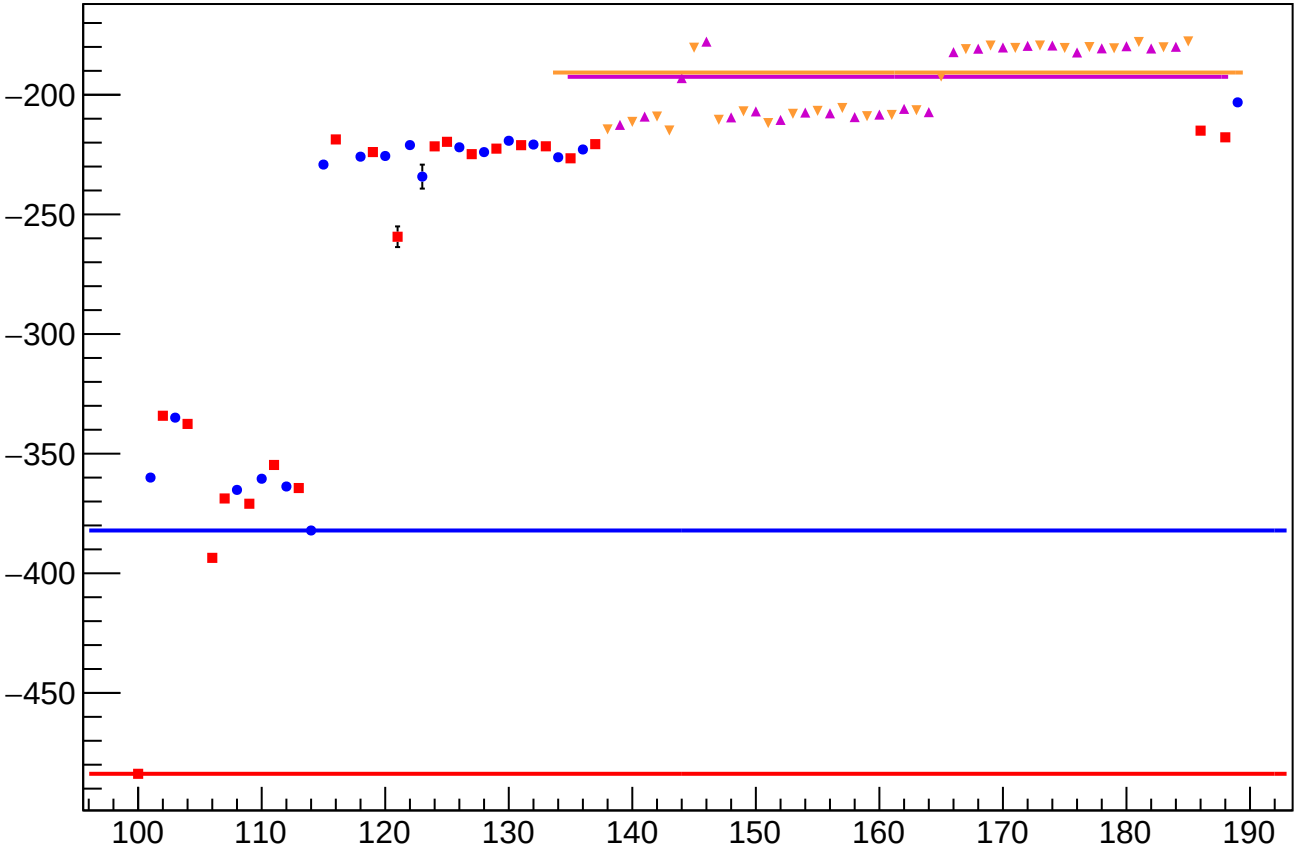
Right: 54.556+/-0.000 $\chi^2$/NDF: 14143575.0/38

In: 54.556+/-0.000 $\chi^2$/NDF:78242410.8/40

Out: 11.601+/-0.005 $\chi^2$/NDF:593148.9/45

All: 54.556+/-0.000 $\chi^2$/NDF: 148677109.6/86

# dit_sam2_4eY_slope vs Slug, Sign Corrected




Right In: -382.108+/-0.000 $\chi^2$/NDF: 18975720.4/17

Left Out: -190.703+/-0.011 $\chi^2$/NDF:1602184.8/24

Right Out: -483.800+/-0.000 $\chi^2$/NDF: 25014195.8/20

Left In: -192.488+/-0.011 $\chi^2$/NDF:1500910.9/22

Left: -191.577+/-0.008 $\chi^2$/NDF: 3115630.8/47

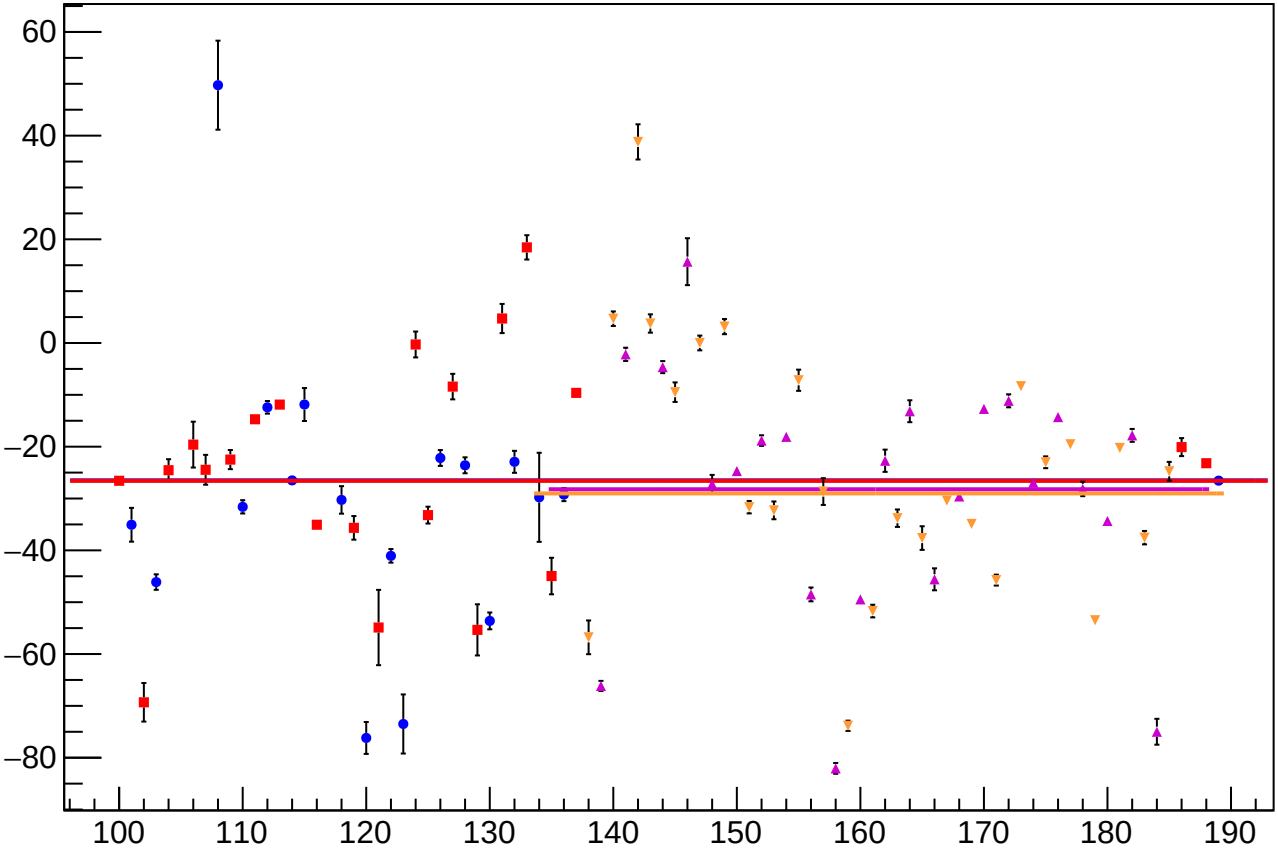
Right: -417.999+/-0.000 $\chi^2$/NDF: 12425488813367

In: -382.108+/-0.000 $\chi^2$/NDF:297589876.7/40

Out: -483.800+/-0.000 $\chi^2$/NDF:716796140.7/45

All: -417.999+/-0.000 $\chi^2$/NDF: 12425488813

# dit_sam3_4aX_slope vs Slug, Sign Corrected




Right In: -26.504+/-0.000 $\chi^2$/NDF: 1180.7/17

Left Out: -29.022+/-0.235 $\chi^2$/NDF:7110.5/24

Right Out: -26.577+/-0.000 $\chi^2$/NDF: 2685.9/20

Left In: -28.215+/-0.215 $\chi^2$/NDF:7786.5/22

Left: -28.582+/-0.158 $\chi^2$/NDF: 14903.4/47

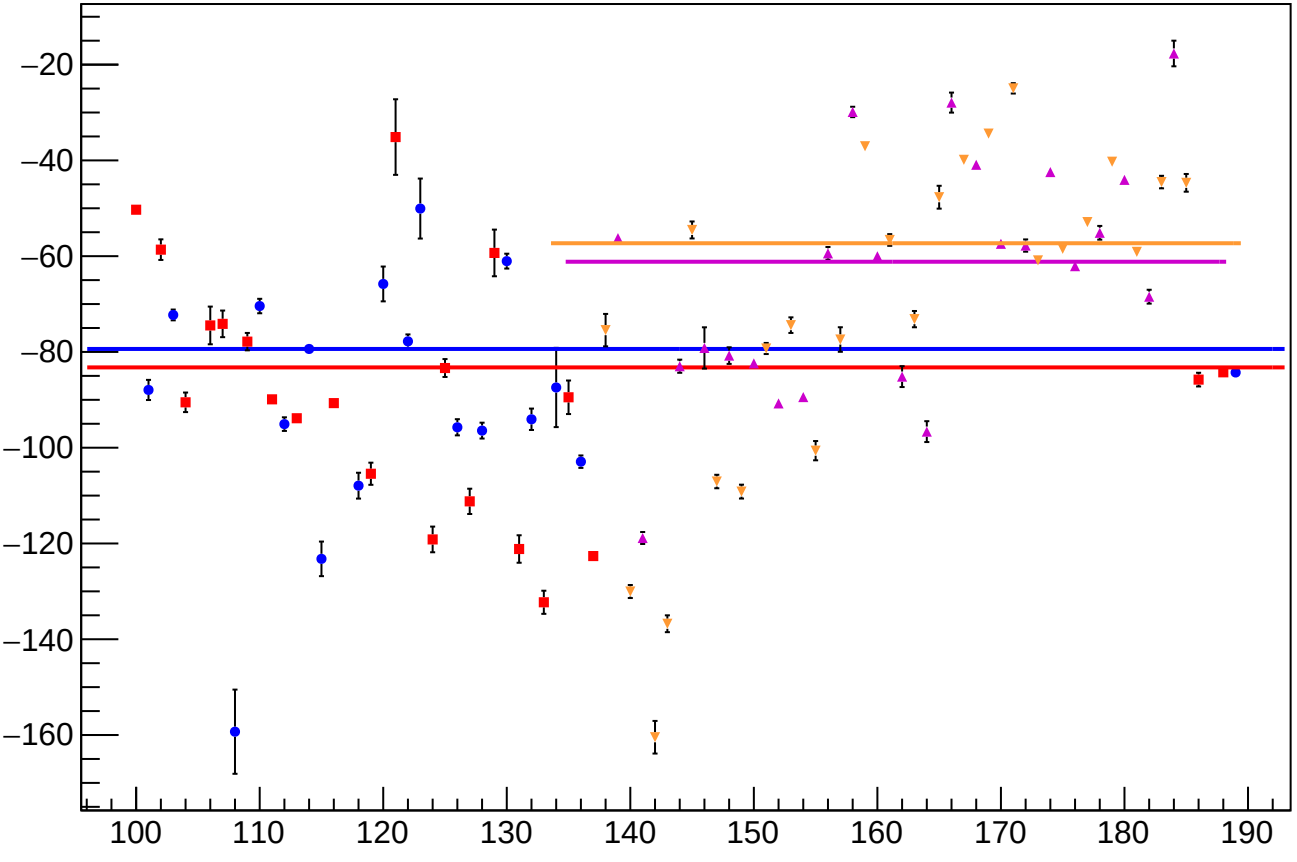
Right: -26.530+/-0.000 $\chi^2$/NDF: 412159279654659

In: -26.504+/-0.000 $\chi^2$/NDF:9030.8/40

Out: -26.577+/-0.000 $\chi^2$/NDF:9904.9/45

All: -26.530+/-0.000 $\chi^2$/NDF: 412159279654

# dit_sam3_4eX_slope vs Slug, Sign Corrected




Right In: -79.376+/-0.000 $\chi^2$/NDF: 1340.0/17

Left Out: -57.300+/-0.229 $\chi^2$/NDF:13067.7/24

Right Out: -83.229+/-0.170 $\chi^2$/NDF: 11922.5/20

Left In: -61.164+/-0.218 $\chi^2$/NDF:8941.7/22

Left: -59.332+/-0.158 $\chi^2$/NDF: 22158.9/47

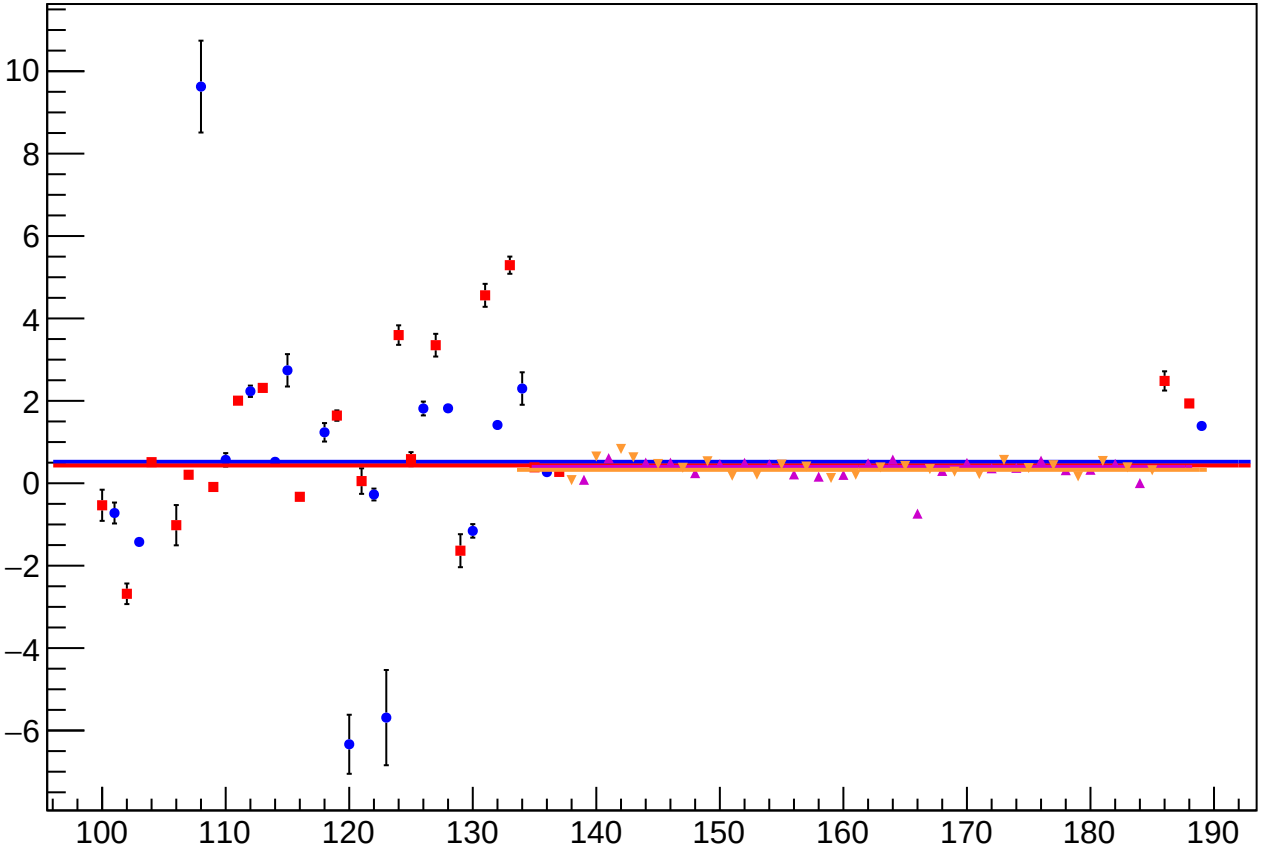
Right: -79.376+/-0.000 $\chi^2$/NDF: 13778.7/38

In: -79.376+/-0.000 $\chi^2$/NDF:17287.5/40

Out: -74.056+/-0.136 $\chi^2$/NDF:33261.2/45

All: -79.376+/-0.000 $\chi^2$/NDF: 52071.6/86

# dit_sam3_11X12X_slope vs Slug, Sign Corrected




Right In: 0.521+/-0.000 $\chi^2$/NDF: 3545.8/17

Left Out: 0.326+/-0.002 $\chi^2$/NDF:10419.3/24

Right Out: 0.431+/-0.011 $\chi^2$/NDF: 3114.1/20

Left In: 0.396+/-0.001 $\chi^2$/NDF:11392.0/22

Left: 0.365+/-0.001 $\chi^2$/NDF: 22859.4/47

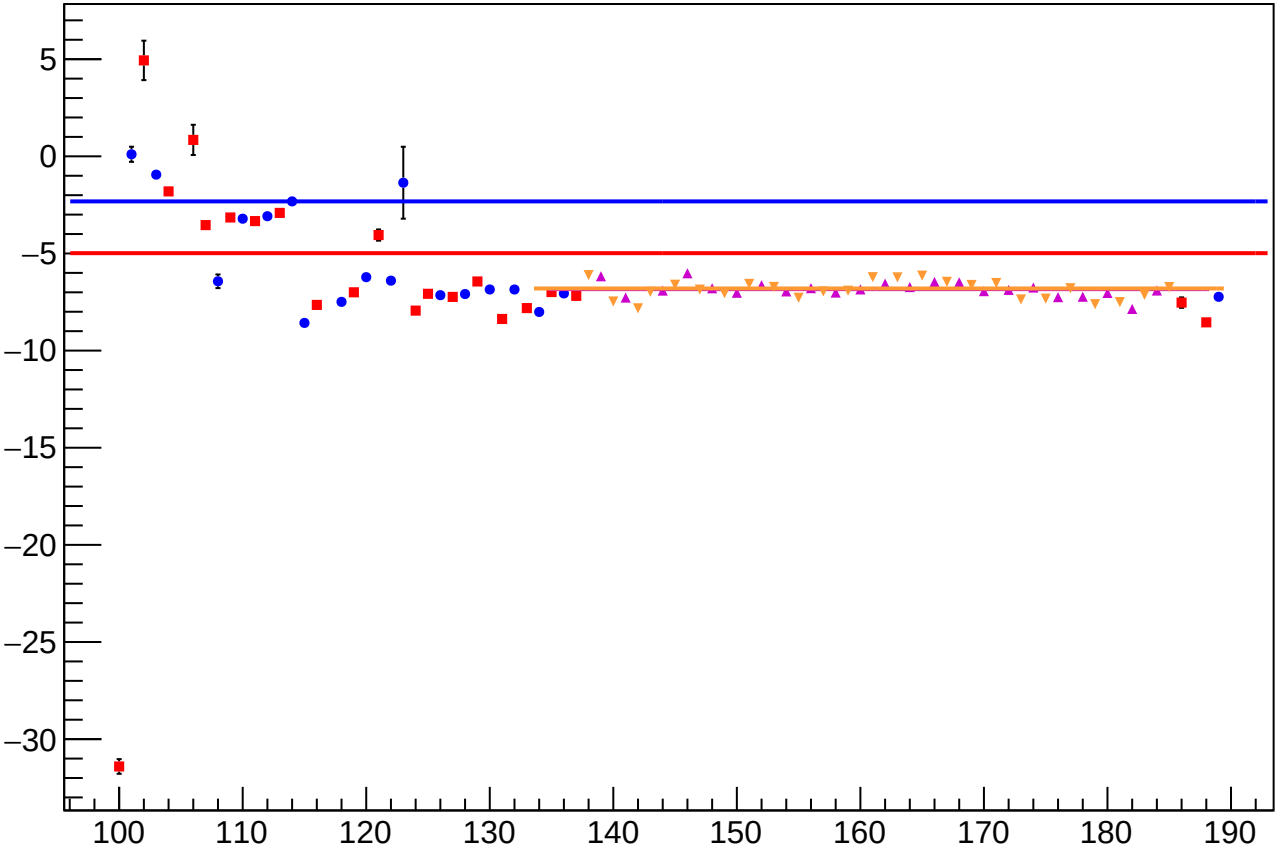
Right: 0.521+/-0.000 $\chi^2$/NDF: 6728.6/38

In: 0.521+/-0.000 $\chi^2$/NDF:22454.6/40

Out: 0.329+/-0.002 $\chi^2$/NDF:13626.5/45

All: 0.521+/-0.000 $\chi^2$/NDF: 50809.8/86

# dit_sam3_4aY_slope vs Slug, Sign Corrected




Right In: -2.320+/-0.000 $\chi^2$/NDF: 271621.8/17

Left Out: -6.802+/-0.002 $\chi^2$/NDF:14918.8/24

Right Out: -4.985+/-0.010 $\chi^2$/NDF: 53517.5/20

Left In: -6.836+/-0.002 $\chi^2$/NDF:9245.1/22

Left: -6.819+/-0.002 $\chi^2$/NDF: 24259.8/47

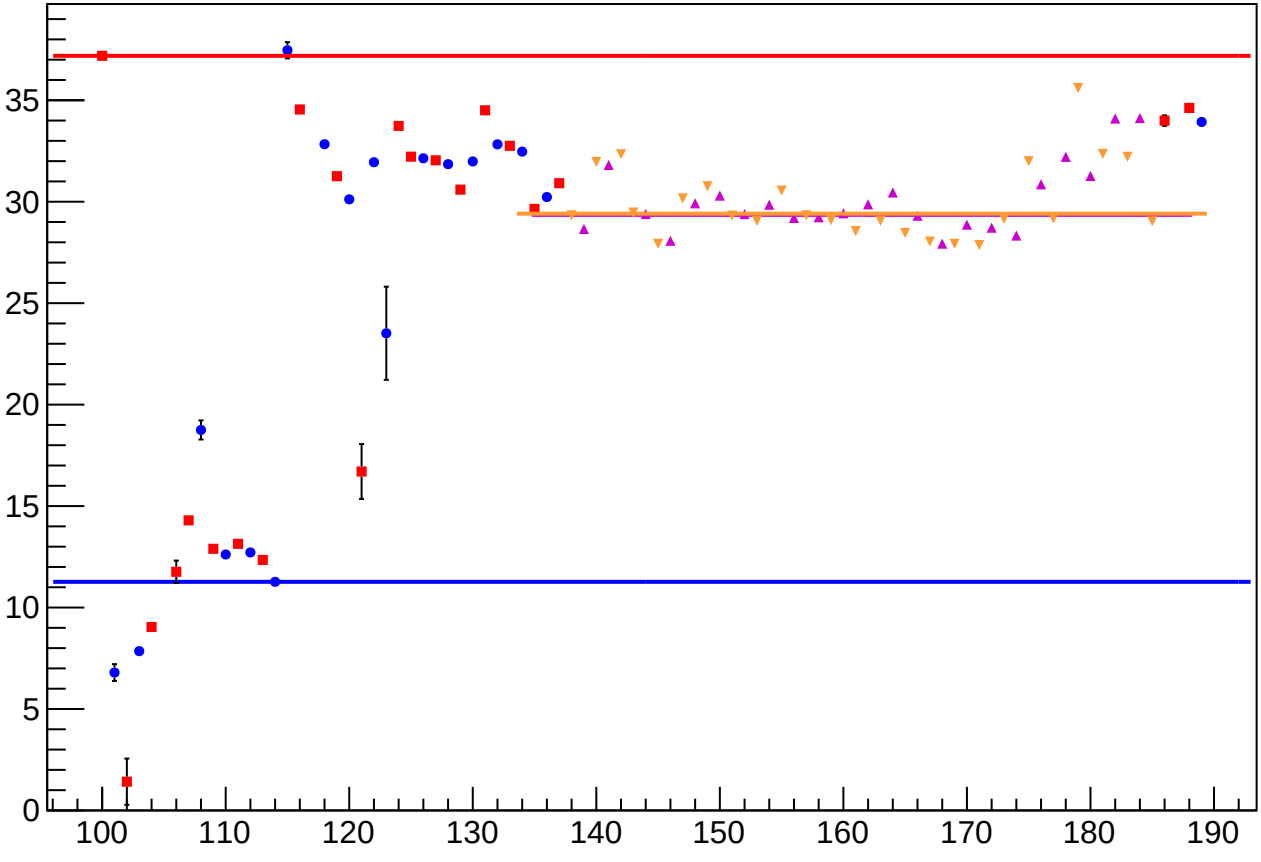
Right: -2.320+/-0.000 $\chi^2$/NDF: 394344.1/38

In: -2.320+/-0.000 $\chi^2$/NDF:3792946.9/40

Out: -6.699+/-0.002 $\chi^2$/NDF:98783.3/45

All: -2.320+/-0.000 $\chi^2$/NDF: 7178495.1/86

# dit_sam3_4eY_slope vs Slug, Sign Corrected




Right In: 11.268+/-0.000 $\chi^2$/NDF: 975214.7/17

Left Out: 29.411+/-0.008 $\chi^2$/NDF:44374.5/24

Right Out: 37.191+/-0.000 $\chi^2$/NDF: 1124118.9/20

Left In: 29.354+/-0.008 $\chi^2$/NDF:14741.7/22

Left: 29.381+/-0.006 $\chi^2$/NDF: 59141.7/47

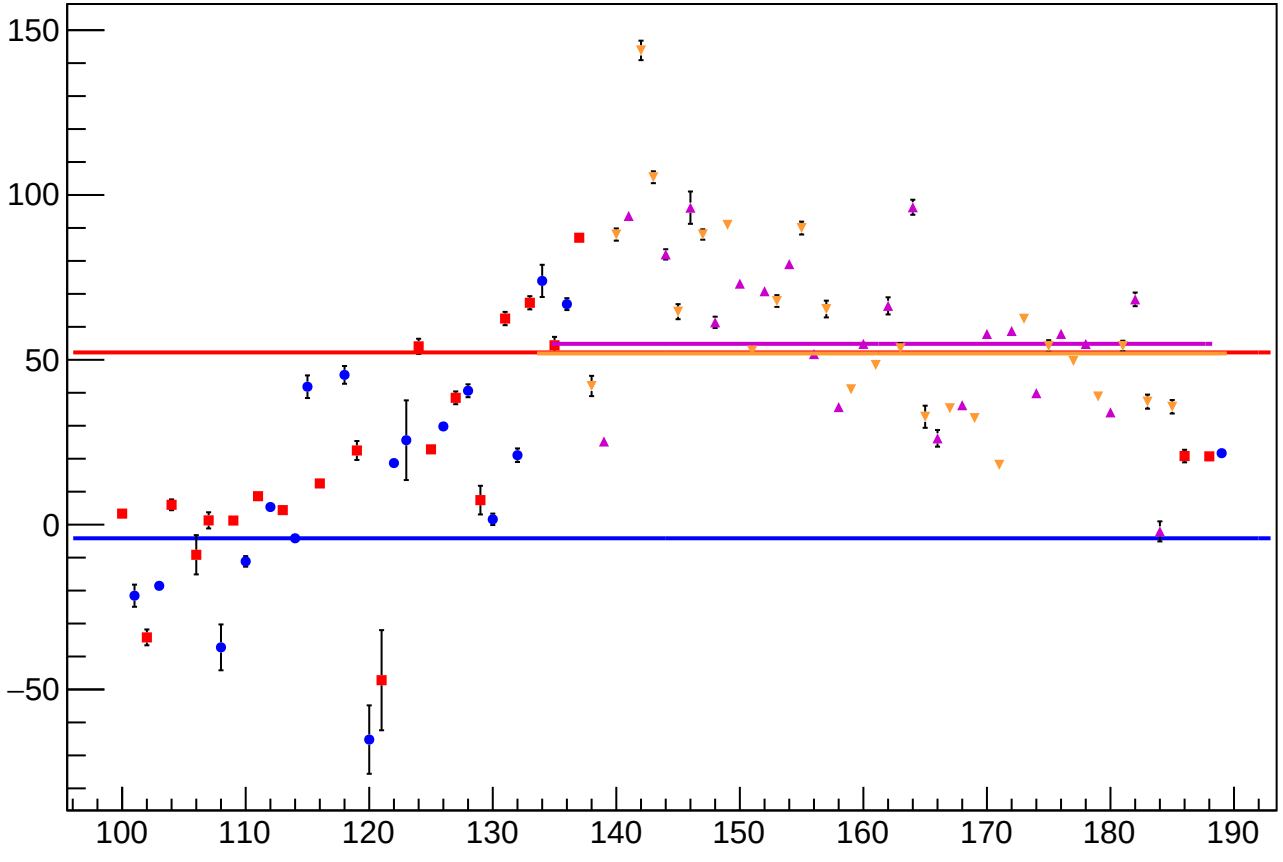
Right: 12.122+/-0.000 $\chi^2$/NDF: 7723055694978834

In: 11.268+/-0.000 $\chi^2$/NDF:6254148.5/40

Out: 37.191+/-0.000 $\chi^2$/NDF:2072270.0/45

All: 12.122+/-0.000 $\chi^2$/NDF: 7723055694978

# dit_sam4_4aX_slope vs Slug, Sign Corrected




Right In: -4.139+/-0.000 $\chi^2$/NDF: 5056.8/17

Left Out: 51.931+/-0.276 $\chi^2$/NDF:6225.4/24

Right Out: 52.239+/-0.165 $\chi^2$/NDF: 56543.1/20

Left In: 54.849+/-0.247 $\chi^2$/NDF:6325.8/22

Left: 53.548+/-0.184 $\chi^2$/NDF: 12613.3/47

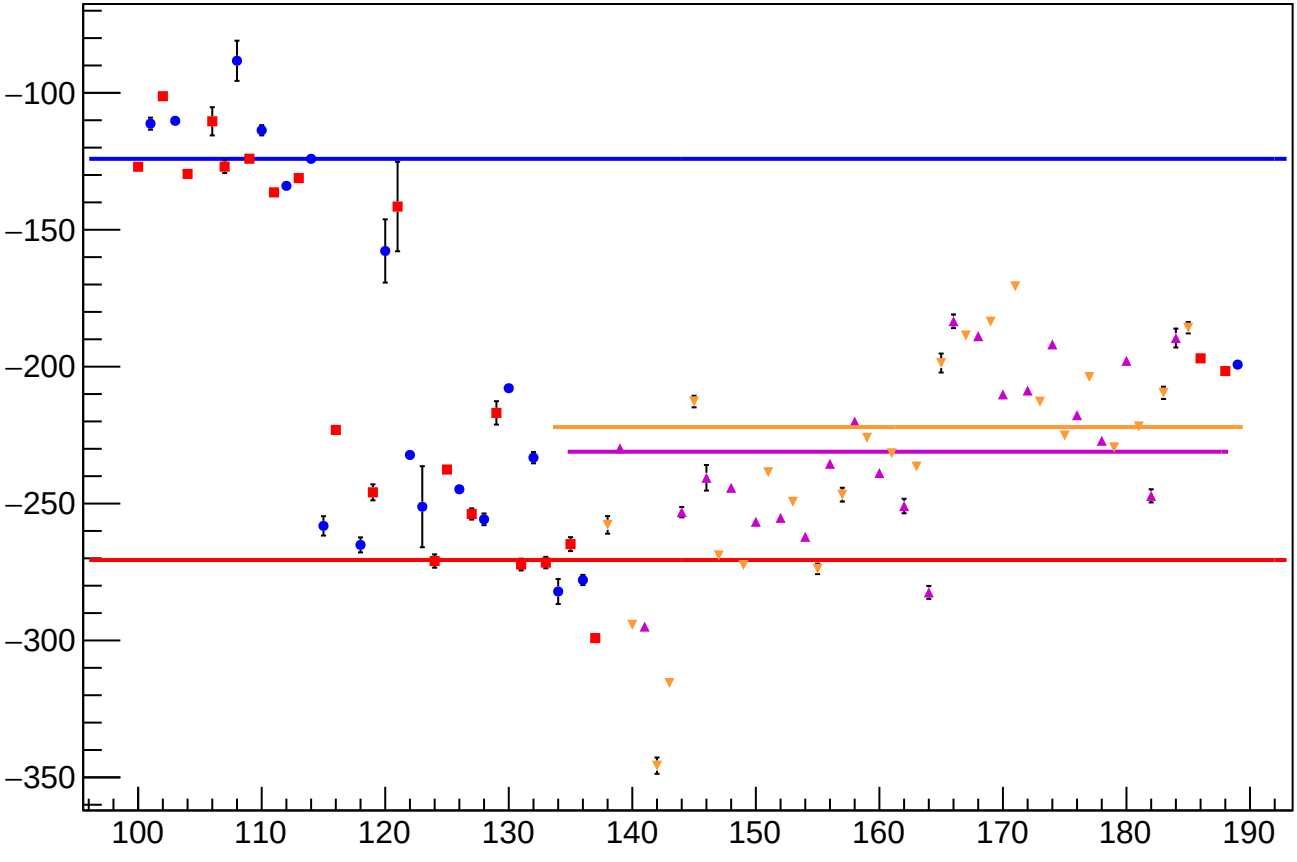
Right: -4.139+/-0.000 $\chi^2$/NDF: 178912.4/38

In: -4.139+/-0.000 $\chi^2$/NDF:68337.2/40

Out: 52.158+/-0.141 $\chi^2$/NDF:62769.4/45

All: -4.139+/-0.000 $\chi^2$/NDF: 289824.3/86

# dit_sam4_4eX_slope vs Slug, Sign Corrected




Right In: -124.095+/-0.000 $\chi^2$/NDF: 47301.4/17

Left Out: -222.063+/-0.272 $\chi^2$/NDF:15812.2/24

Right Out: -270.622+/-0.111 $\chi^2$/NDF: 294488.9/20

Left In: -231.069+/-0.249 $\chi^2$/NDF:12005.6/22

Left: -226.957+/-0.184 $\chi^2$/NDF: 28412.7/47

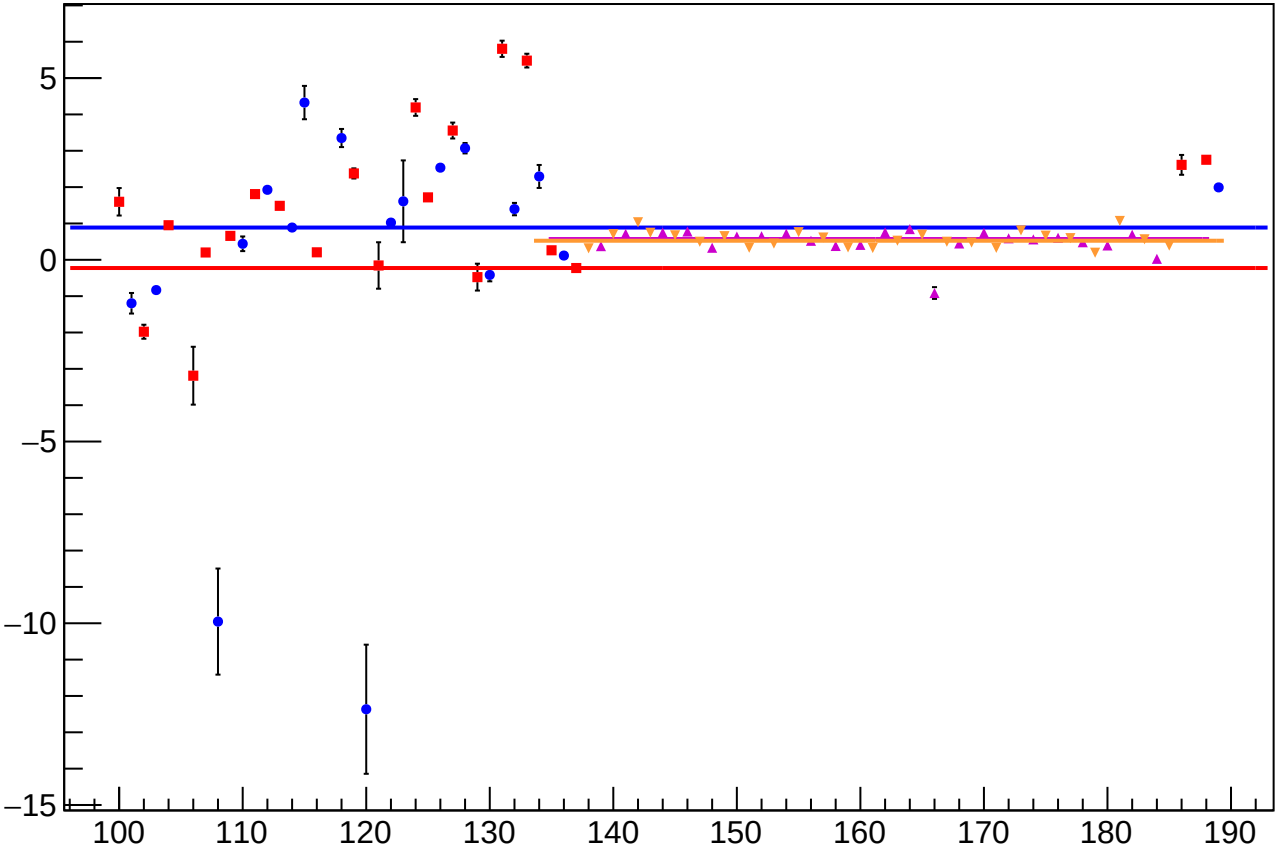
Right: -124.095+/-0.000 $\chi^2$/NDF: 2092709.3/38

In: -124.095+/-0.000 $\chi^2$/NDF:243180.3/40

Out: -263.726+/-0.103 $\chi^2$/NDF:337609.1/45

All: -124.095+/-0.000 $\chi^2$/NDF: 2433954.8/86

# dit_sam4_11X12X_slope vs Slug, Sign Corrected




Right In: 0.888+/-0.000 $\chi^2$/NDF: 8761.4/17

Left Out: 0.525+/-0.002 $\chi^2$/NDF:9207.9/24

Right Out: -0.226+/-0.000 $\chi^2$/NDF: 6070.4/20

Left In: 0.572+/-0.002 $\chi^2$/NDF:5600.2/22

Left: 0.549+/-0.001 $\chi^2$/NDF: 15080.9/47

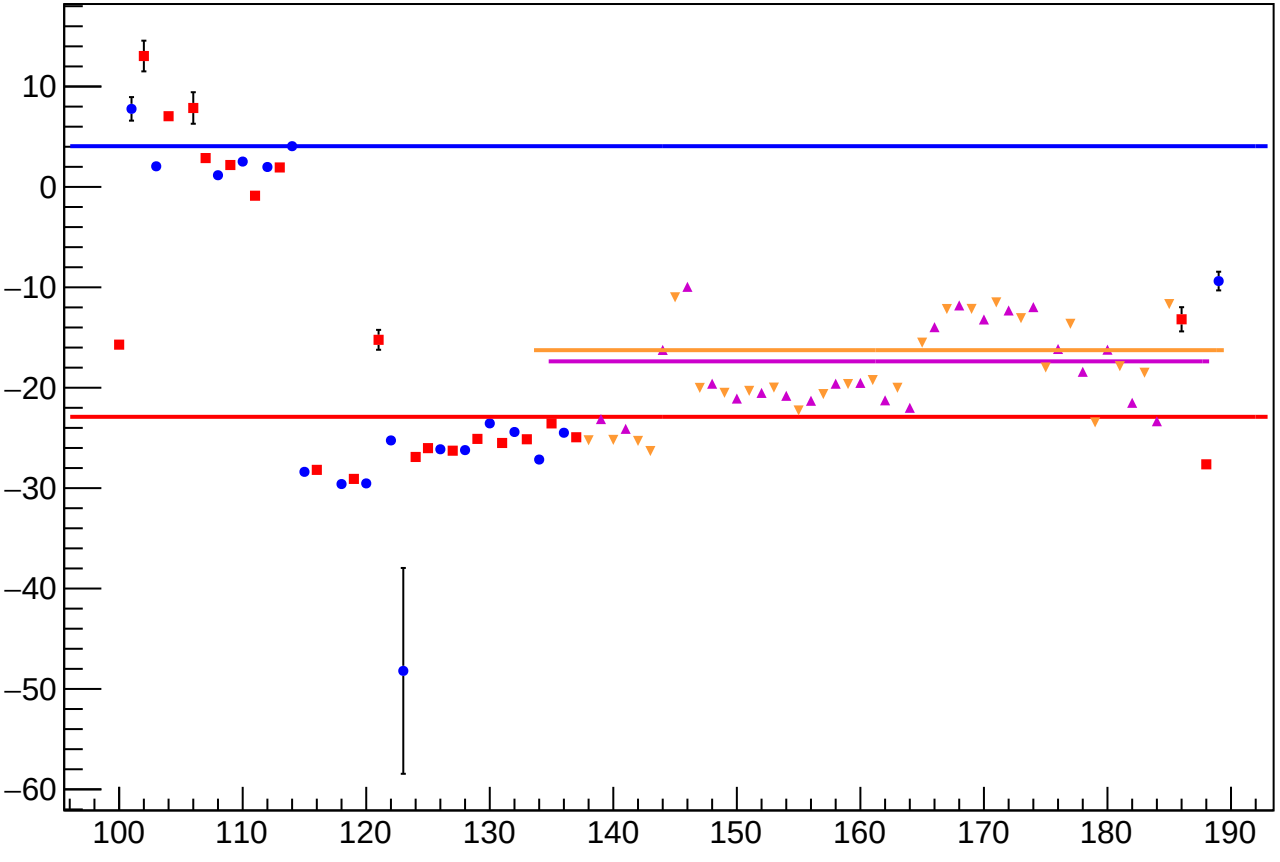
Right: 0.888+/-0.000 $\chi^2$/NDF: 422221024.3/38

In: 0.888+/-0.000 $\chi^2$/NDF:39790.8/40

Out: -0.225+/-0.000 $\chi^2$/NDF:153800.4/45

All: 0.888+/-0.000 $\chi^2$/NDF: 422293601.0/86

# dit_sam4_4aY_slope vs Slug, Sign Corrected




Right In: 4.057+/-0.000 $\chi^2$/NDF: 1248096.5/17

Left Out: -16.260+/-0.010 $\chi^2$/NDF:188515.0/24

Right Out: -22.897+/-0.026 $\chi^2$/NDF: 116689.3/20

Left In: -17.374+/-0.009 $\chi^2$/NDF:169487.5/22

Left: -16.854+/-0.007 $\chi^2$/NDF: 364596.8/47

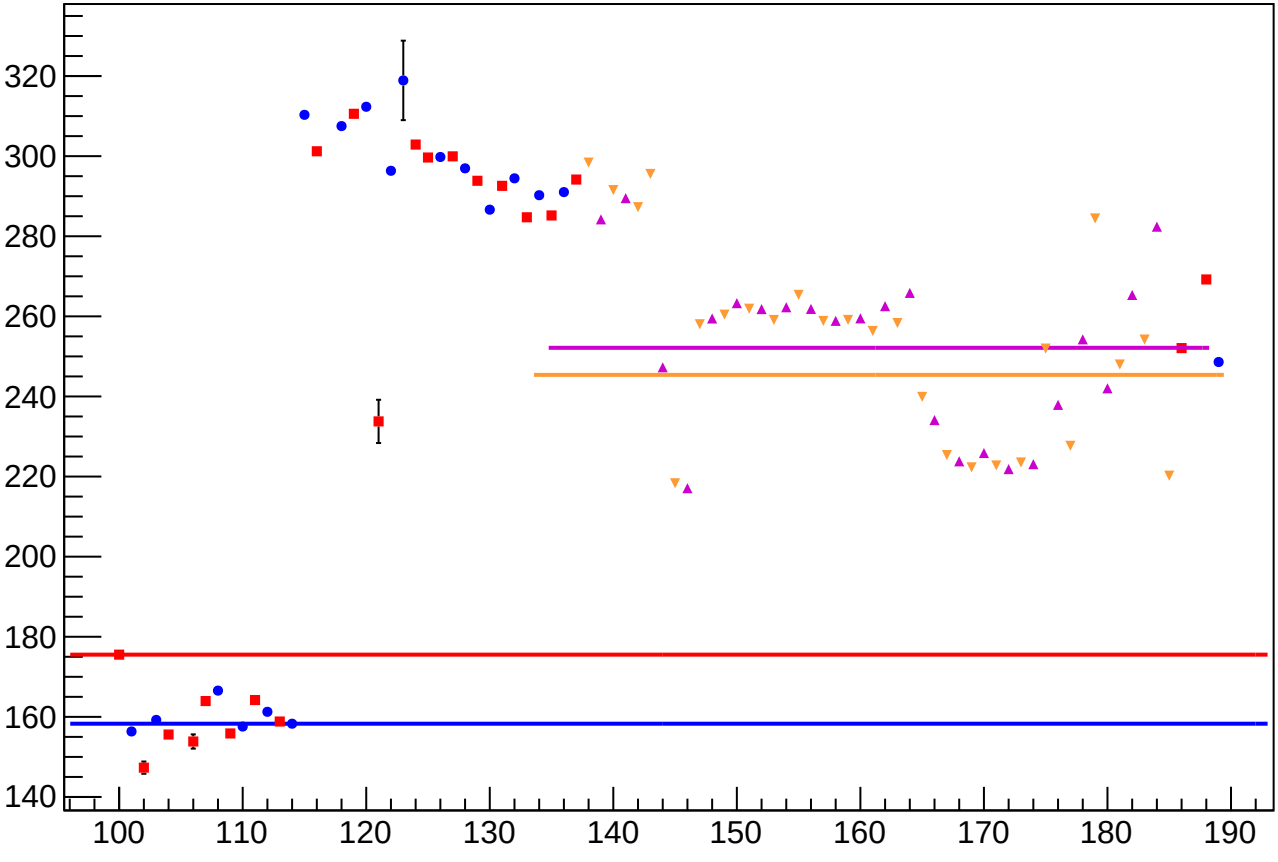
Right: 4.057+/-0.000 $\chi^2$/NDF: 2417754.0/38

In: 4.057+/-0.000 $\chi^2$/NDF:6647849.8/40

Out: -17.102+/-0.009 $\chi^2$/NDF:360948.7/45

All: 4.057+/-0.000 $\chi^2$/NDF: 12121917.2/86

# dit_sam4_4eY_slope vs Slug, Sign Corrected




Right In: 158.293+/-0.000 $\chi^2$/NDF: 2428249.5/17

Left Out: 245.391+/-0.027 $\chi^2$/NDF:723564.6/24

Right Out: 175.536+/-0.000 $\chi^2$/NDF: 2153426.3/20

Left In: 252.148+/-0.028 $\chi^2$/NDF:359416.7/22

Left: 248.650+/-0.020 $\chi^2$/NDF: 1112396.8/47

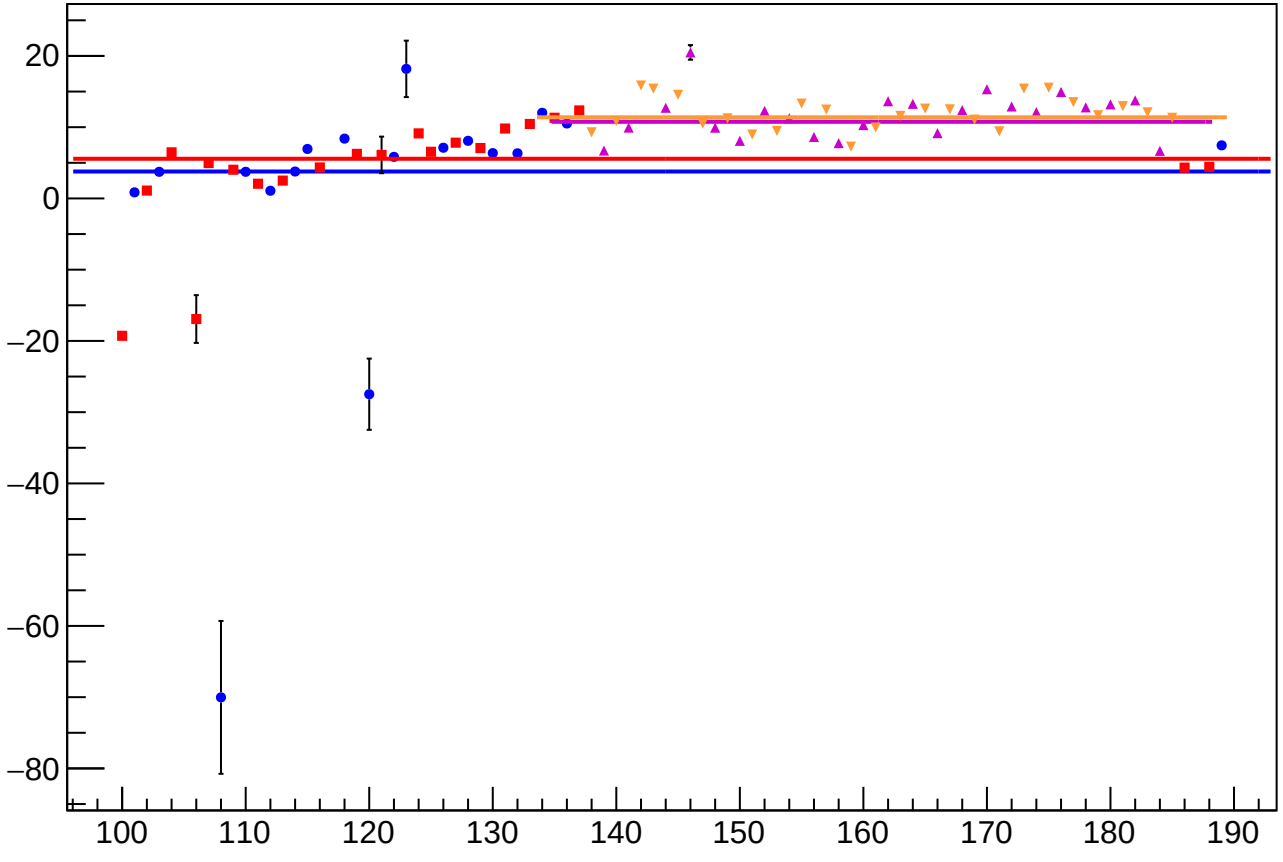
Right: 172.618+/-0.000 $\chi^2$/NDF: 373727491225928

In: 158.293+/-0.000 $\chi^2$/NDF:13751302.0/40

Out: 175.536+/-0.000 $\chi^2$/NDF:9393479.1/45

All: 172.618+/-0.000 $\chi^2$/NDF: 37372749122

# dit_sam5_4aX_slope vs Slug, Sign Corrected




Right In: 3.778+/-0.000 $\chi^2$/NDF: 7096.3/17

Left Out: 11.389+/-0.030 $\chi^2$/NDF:4296.1/24

Right Out: 5.567+/-0.024 $\chi^2$/NDF: 22674.4/20

Left In: 10.753+/-0.028 $\chi^2$/NDF:9950.6/22

Left: 11.045+/-0.020 $\chi^2$/NDF: 14487.9/47

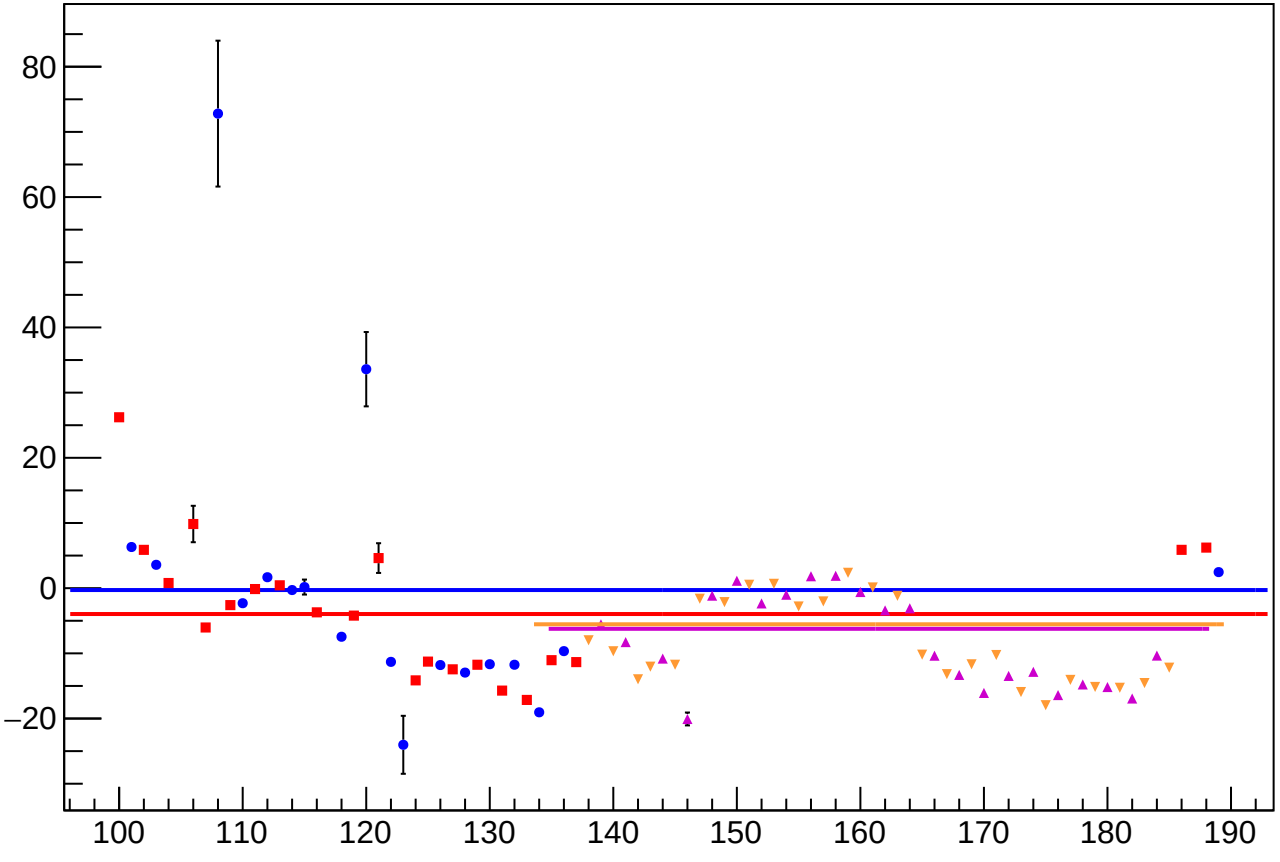
Right: 3.778+/-0.000 $\chi^2$/NDF: 35379.8/38

In: 3.778+/-0.000 $\chi^2$/NDF:80381.3/40

Out: 7.818+/-0.019 $\chi^2$/NDF:49940.8/45

All: 3.778+/-0.000 $\chi^2$/NDF: 176957.0/86

# dit_sam5_4eX_slope vs Slug, Sign Corrected




Right In: -0.287+/-0.000 $\chi^2$/NDF: 44436.6/17

Left Out: -5.539+/-0.030 $\chi^2$/NDF:43439.8/24

Right Out: -3.966+/-0.025 $\chi^2$/NDF: 94677.8/20

Left In: -6.234+/-0.028 $\chi^2$/NDF:57358.9/22

Left: -5.909+/-0.021 $\chi^2$/NDF: 101082.7/47

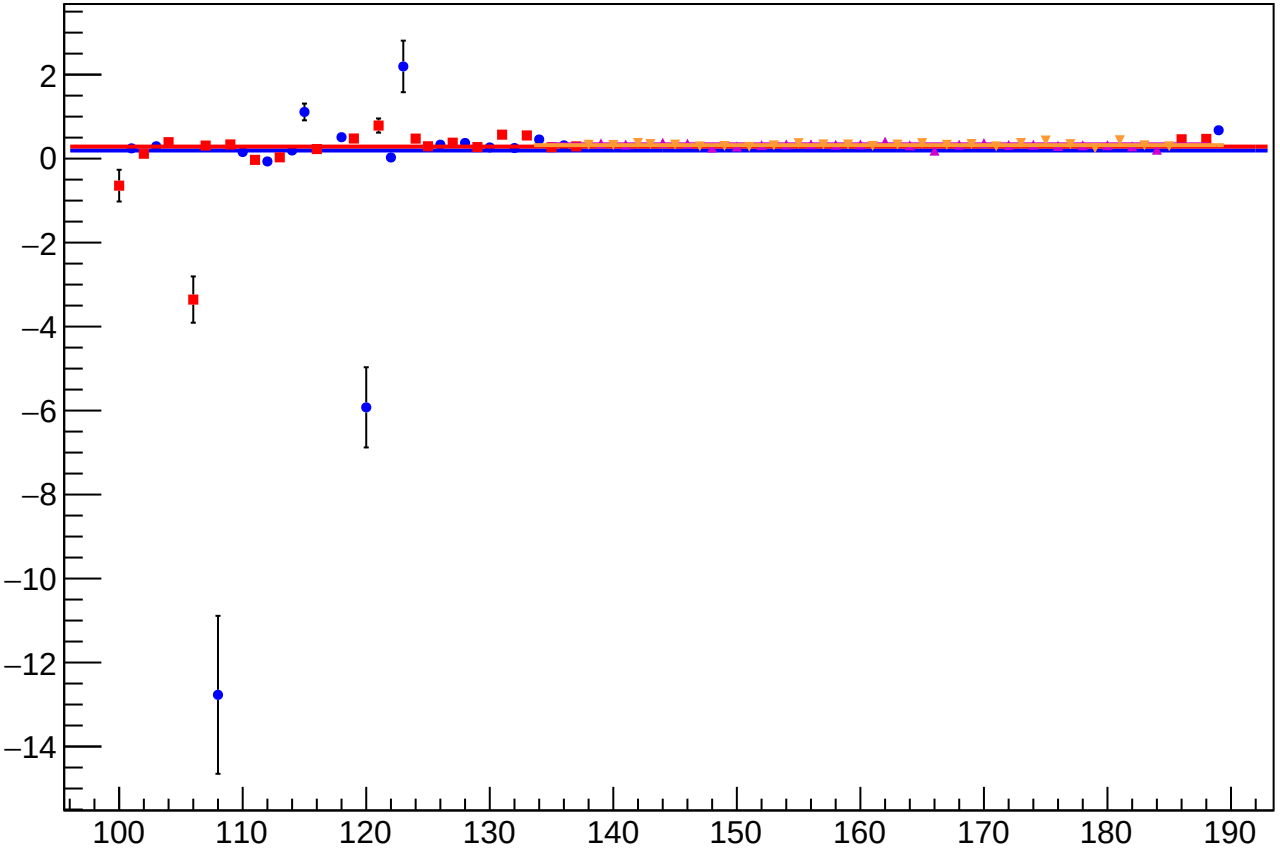
Right: -0.287+/-0.000 $\chi^2$/NDF: 160859.7/38

In: -0.287+/-0.000 $\chi^2$/NDF:146154.4/40

Out: -4.607+/-0.019 $\chi^2$/NDF:139735.7/45

All: -0.287+/-0.000 $\chi^2$/NDF: 336459.7/86

# dit_sam5_11X12X_slope vs Slug, Sign Corrected




Right In: 0.193+/-0.000 $\chi^2$/NDF: 10549.3/17

Left Out: 0.320+/-0.001 $\chi^2$/NDF:3374.4/24

Right Out: 0.286+/-0.001 $\chi^2$/NDF: 6560.4/20

Left In: 0.340+/-0.001 $\chi^2$/NDF:4171.9/22

Left: 0.330+/-0.000 $\chi^2$/NDF: 8287.4/47

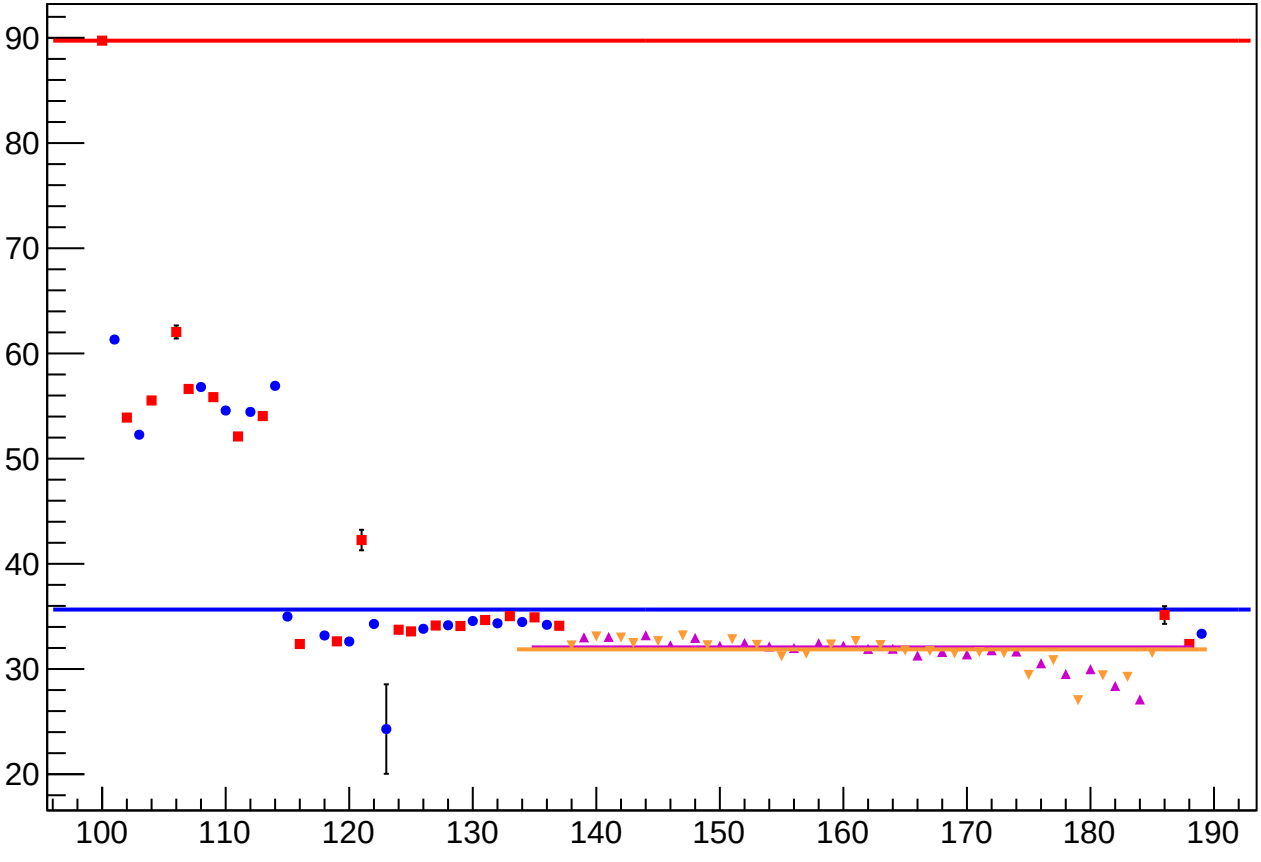
Right: 0.193+/-0.000 $\chi^2$/NDF: 21210.3/38

In: 0.193+/-0.000 $\chi^2$/NDF:91318.4/40

Out: 0.316+/-0.000 $\chi^2$/NDF:10417.4/45

All: 0.193+/-0.000 $\chi^2$/NDF: 168570.5/86

# dit_sam5_4aY_slope vs Slug, Sign Corrected




Right In: 35.653+/-0.011 $\chi^2$/NDF: 218859.9/17

Left Out: 31.869+/-0.003 $\chi^2$/NDF:61955.3/24

Right Out: 89.735+/-0.000 $\chi^2$/NDF: 25964124.2/20

Left In: 32.053+/-0.003 $\chi^2$/NDF:32470.5/22

Left: 31.953+/-0.002 $\chi^2$/NDF: 96020.3/47

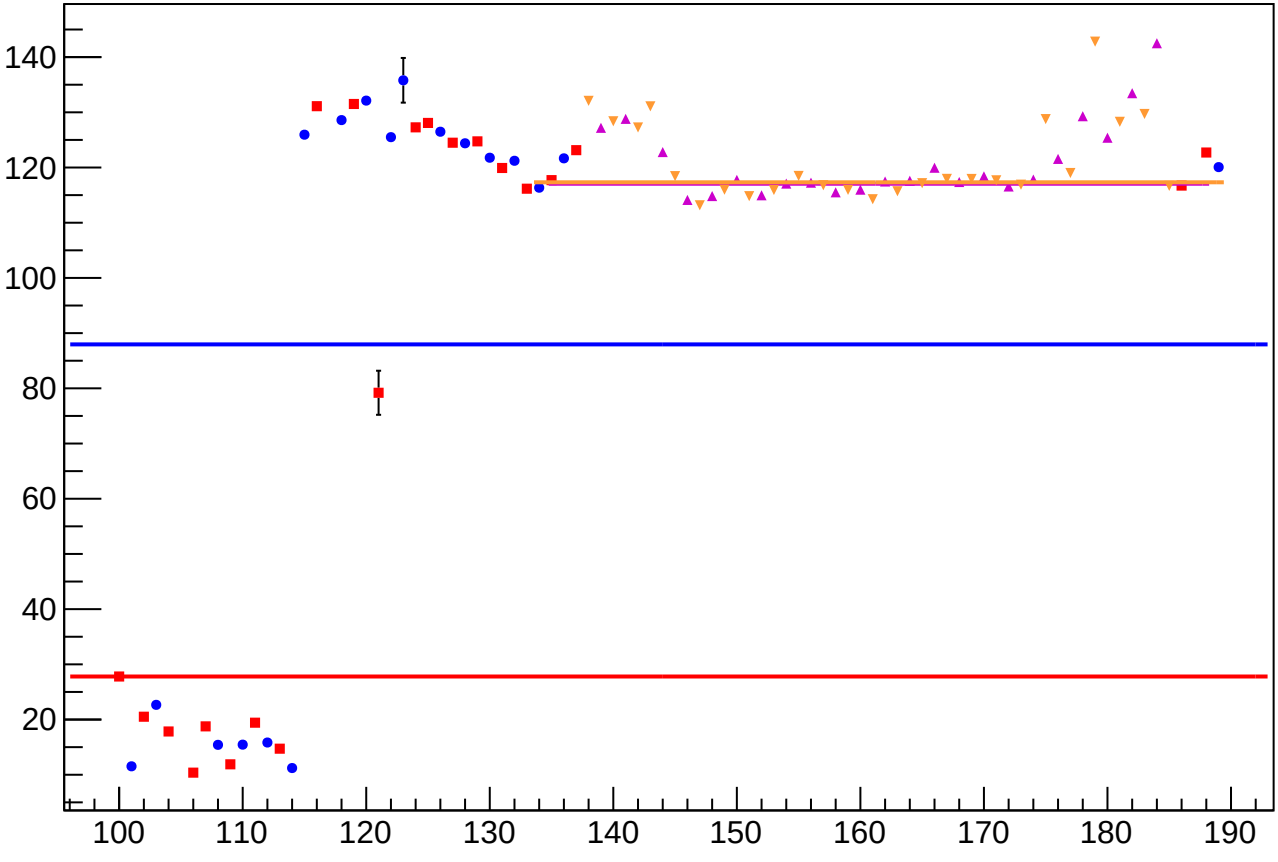
Right: 89.735+/-0.000 $\chi^2$/NDF: 48930246.1/38

In: 32.353+/-0.003 $\chi^2$/NDF:343721.3/40

Out: 89.735+/-0.000 $\chi^2$/NDF:370926432.0/45

All: 89.735+/-0.000 $\chi^2$/NDF: 679205706.0/86

# dit_sam5_4eY_slope vs Slug, Sign Corrected




Right In: 87.960+/-0.031 $\chi^2$/NDF: 2456722.3/17

Left Out: 117.323+/-0.008 $\chi^2$/NDF:172684.3/24

Right Out: 27.798+/-0.000 $\chi^2$/NDF: 9650560.5/20

Left In: 117.061+/-0.009 $\chi^2$/NDF:62905.3/22

Left: 117.207+/-0.006 $\chi^2$/NDF: 236083.4/47

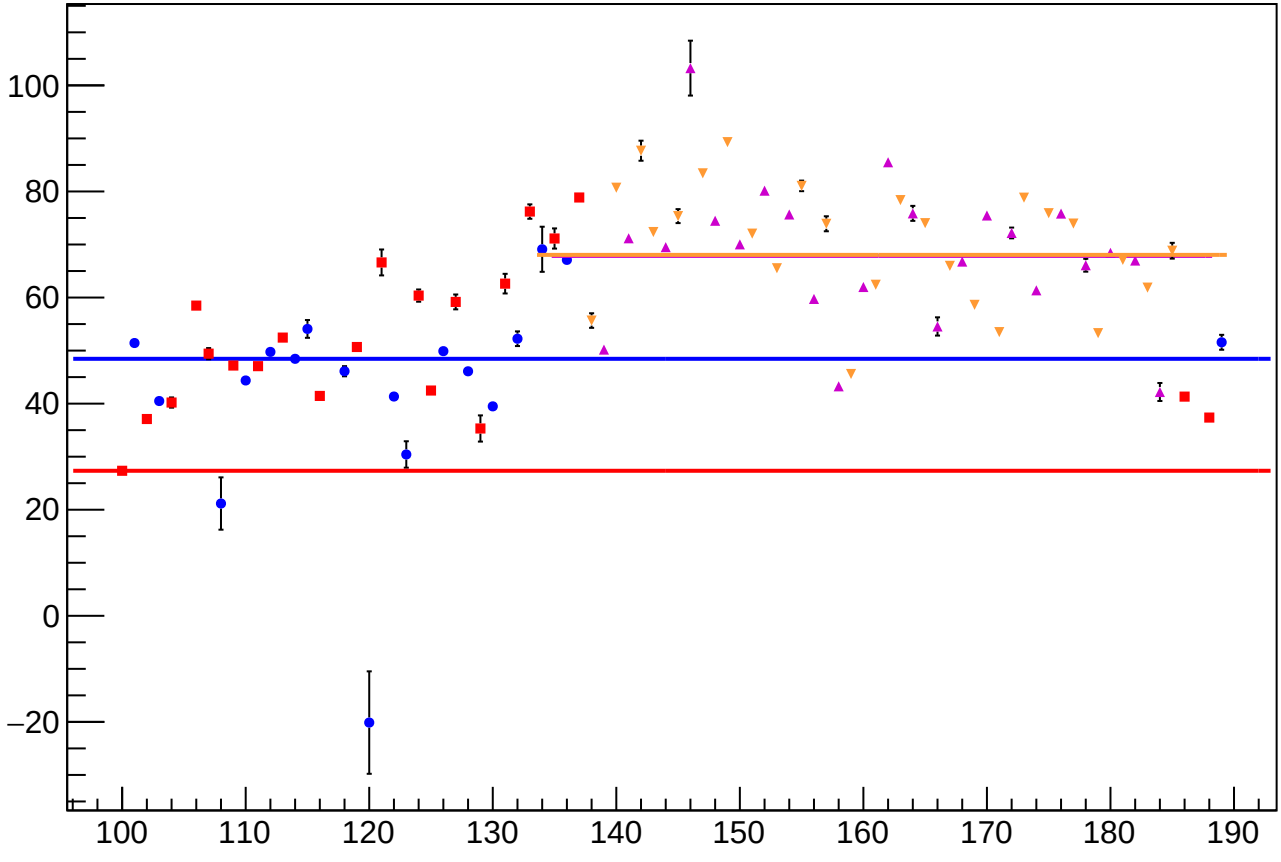
Right: 27.798+/-0.000 $\chi^2$/NDF: 15799885.5/38

In: 114.925+/-0.008 $\chi^2$/NDF:3320241.0/40

Out: 27.798+/-0.000 $\chi^2$/NDF:140075433.2/45

All: 27.798+/-0.000 $\chi^2$/NDF: 248932558.5/86

# dit_sam6_4aX_slope vs Slug, Sign Corrected




Right In: 48.450+/-0.000 $\chi^2$/NDF: 2756.3/17

Left Out: 68.044+/-0.132 $\chi^2$/NDF:6670.6/24

Right Out: 27.342+/-0.000 $\chi^2$/NDF: 27435.3/20

Left In: 67.852+/-0.126 $\chi^2$/NDF:5519.9/22

Left: 67.943+/-0.091 $\chi^2$/NDF: 12191.7/47

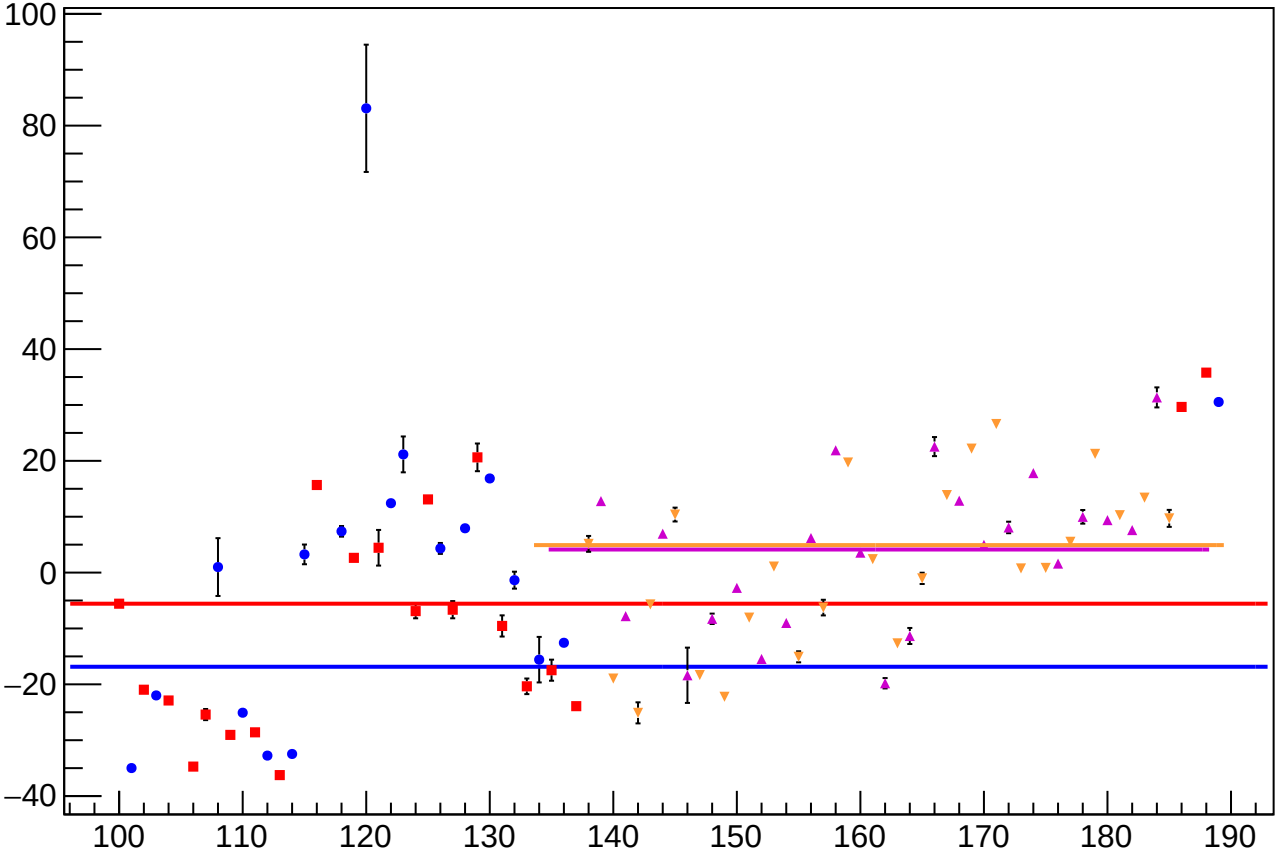
Right: 28.365+/-0.000 $\chi^2$/NDF: 1026290104888328

In: 48.450+/-0.000 $\chi^2$/NDF:32131.7/40

Out: 27.342+/-0.000 $\chi^2$/NDF:128823.8/45

All: 28.365+/-0.000 $\chi^2$/NDF: 1026290104888

# dit_sam6_4eX_slope vs Slug, Sign Corrected




Right In: -16.855+/-0.145 $\chi^2$/NDF: 16119.4/17

Left Out: 4.920+/-0.132 $\chi^2$/NDF:10378.5/24

Right Out: -5.568+/-0.000 $\chi^2$/NDF: 49152.1/20

Left In: 4.129+/-0.127 $\chi^2$/NDF:6161.4/22

Left: 4.508+/-0.092 $\chi^2$/NDF: 16558.6/47

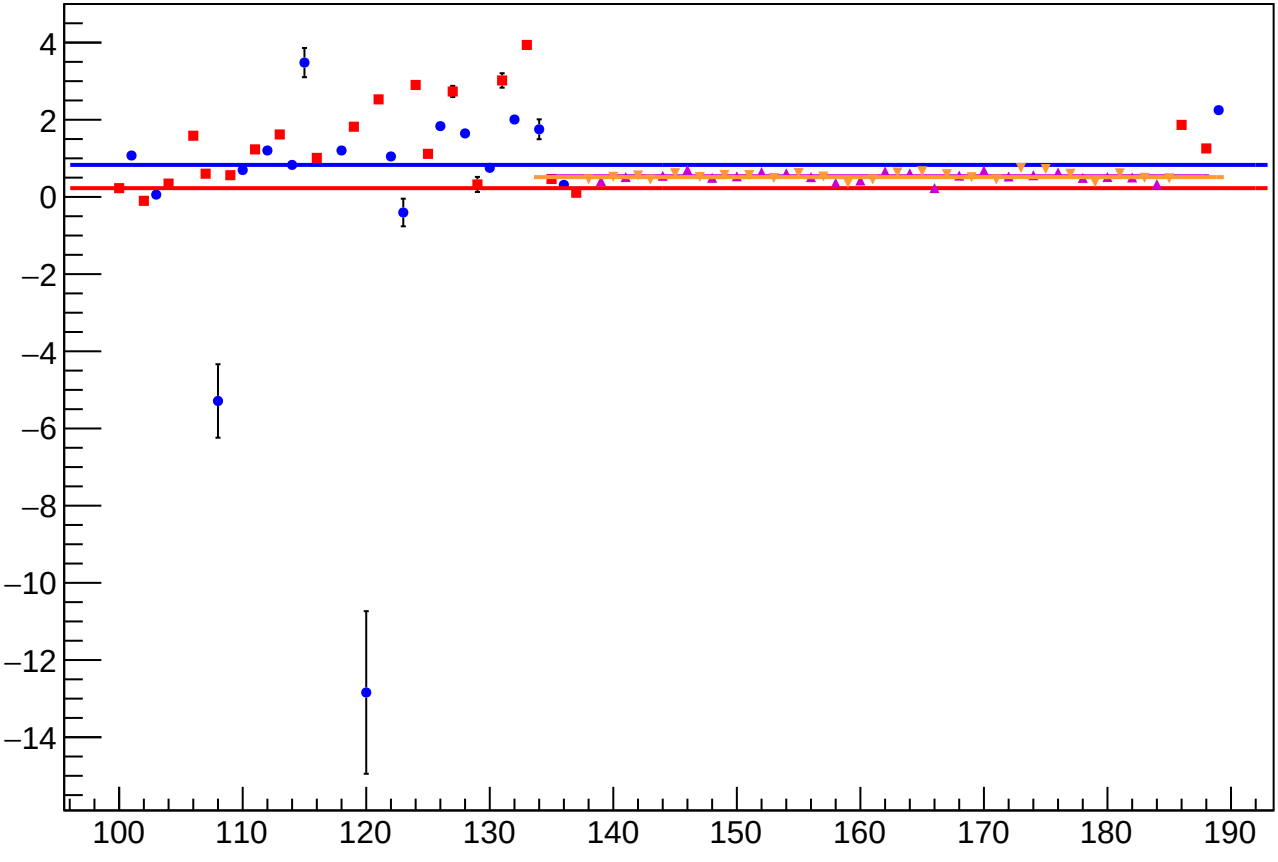
Right: -5.568+/-0.000 $\chi^2$/NDF: 71291.0/38

In: -4.940+/-0.096 $\chi^2$/NDF:34094.4/40

Out: -5.568+/-0.000 $\chi^2$/NDF:65823.5/45

All: -5.568+/-0.000 $\chi^2$/NDF: 99961.0/86

# dit_sam6_11X12X_slope vs Slug, Sign Corrected




Right In: 0.830+/-0.000 $\chi^2$/NDF: 15202.1/17

Left Out: 0.513+/-0.001 $\chi^2$/NDF:15206.1/24

Right Out: 0.227+/-0.000 $\chi^2$/NDF: 12933.2/20

Left In: 0.536+/-0.001 $\chi^2$/NDF:11764.8/22

Left: 0.526+/-0.001 $\chi^2$/NDF: 27282.9/47

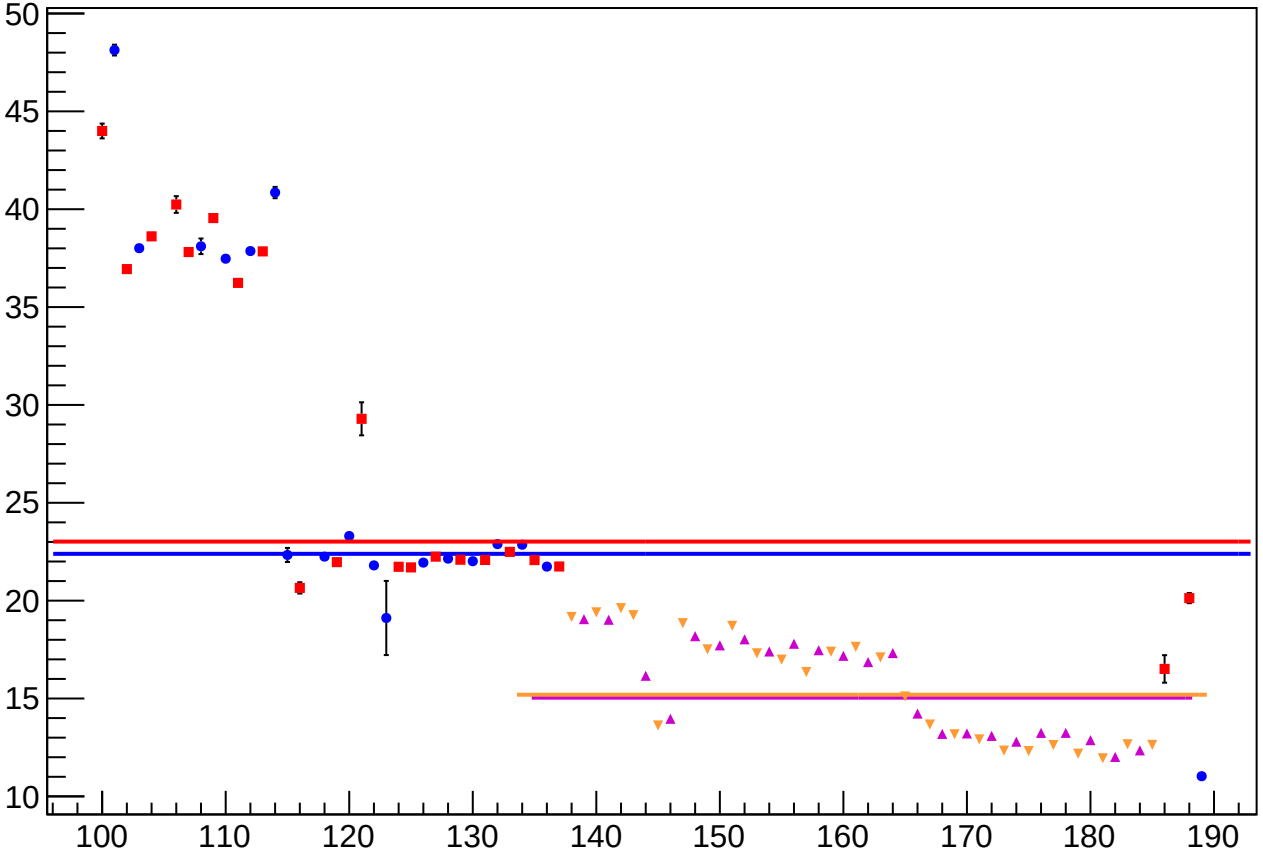
Right: 0.289+/-0.000 $\chi^2$/NDF: 29066082561457147

In: 0.830+/-0.000 $\chi^2$/NDF:142206.5/40

Out: 0.227+/-0.000 $\chi^2$/NDF:116408.2/45

All: 0.289+/-0.000 $\chi^2$/NDF: 29066082561457

# dit_sam6_4aY_slope vs Slug, Sign Corrected




Right In: 22.392+/-0.009 $\chi^2$/NDF: 125516.7/17

Left Out: 15.194+/-0.004 $\chi^2$/NDF:417095.1/24

Right Out: 23.018+/-0.009 $\chi^2$/NDF: 166048.6/20

Left In: 15.044+/-0.005 $\chi^2$/NDF:285851.6/22

Left: 15.125+/-0.003 $\chi^2$/NDF: 703514.0/47

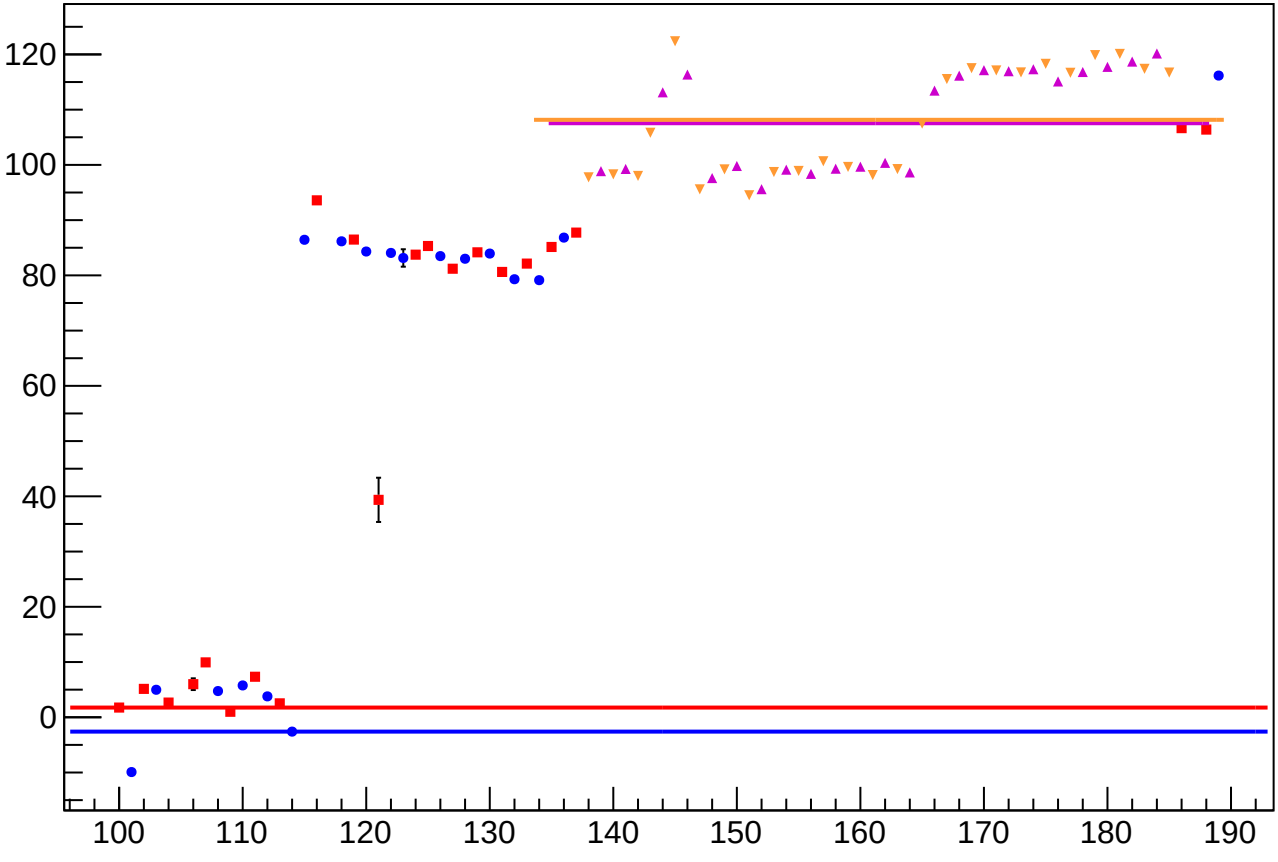
Right: 22.712+/-0.006 $\chi^2$/NDF: 293907.6/38

In: 16.511+/-0.004 $\chi^2$/NDF:916524.1/40

Out: 16.620+/-0.004 $\chi^2$/NDF:1195743.9/45

All: 16.569+/-0.003 $\chi^2$/NDF: 2112640.0/86

# dit_sam6_4eY_slope vs Slug, Sign Corrected




Right In: -2.596+/-0.000 $\chi^2$/NDF: 7735003.9/17

Left Out: 108.162+/-0.009 $\chi^2$/NDF:1076822.4/24

Right Out: 1.758+/-0.000 $\chi^2$/NDF: 4409960.5/20

Left In: 107.543+/-0.009 $\chi^2$/NDF:988940.0/22

Left: 107.853+/-0.007 $\chi^2$/NDF: 2067974.4/47

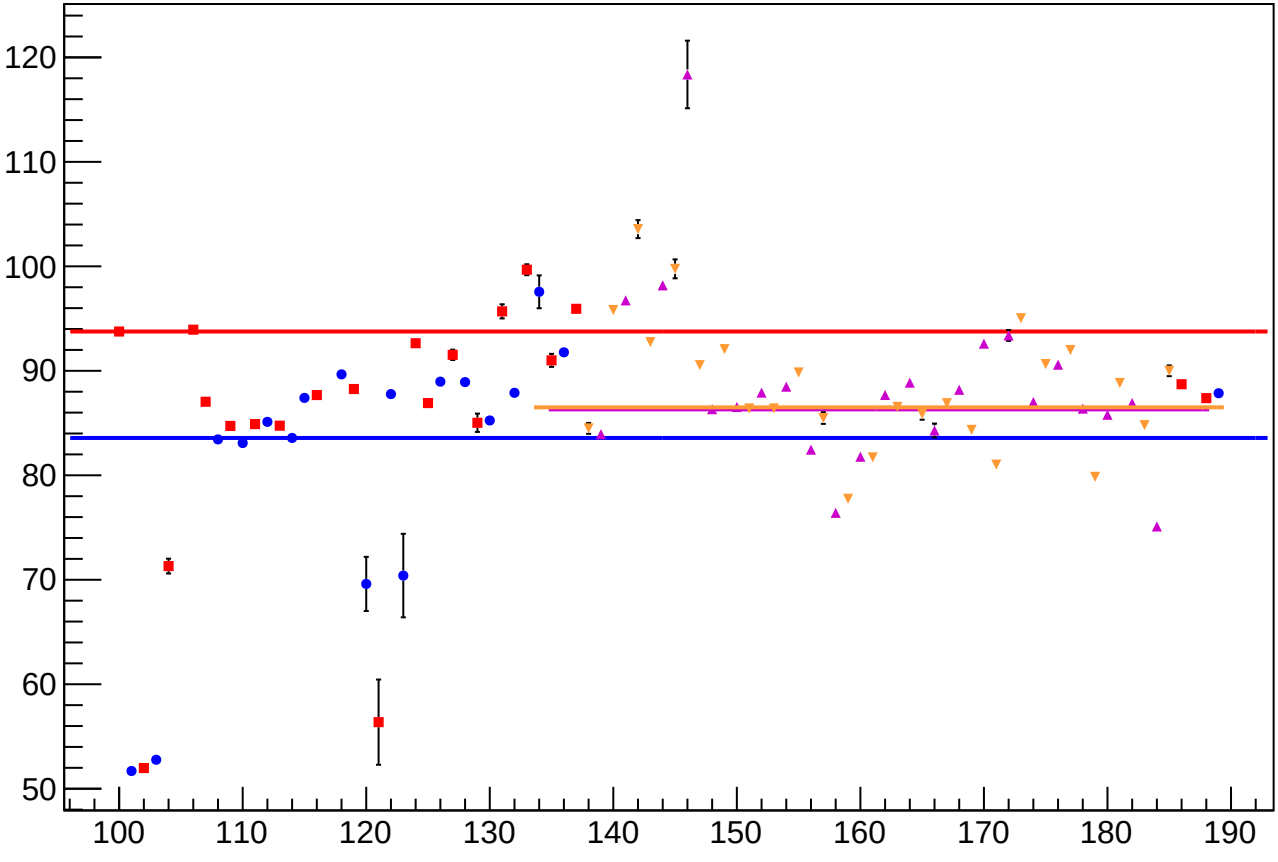
Right: -1.059+/-0.000 $\chi^2$/NDF: 3731791751577379

In: -2.596+/-0.000 $\chi^2$/NDF:148291000.0/40

Out: 1.758+/-0.000 $\chi^2$/NDF:136275524.3/45

All: -1.059+/-0.000 $\chi^2$/NDF: 3731791751577

# dit_sam7_4aX_slope vs Slug, Sign Corrected




Right In: 83.573+/-0.000 $\chi^2$/NDF: 49679.0/17

Left Out: 86.505+/-0.060 $\chi^2$/NDF:8553.0/24

Right Out: 93.762+/-0.000 $\chi^2$/NDF: 85091.7/20

Left In: 86.310+/-0.051 $\chi^2$/NDF:8666.5/22

Left: 86.393+/-0.039 $\chi^2$/NDF: 17225.5/47

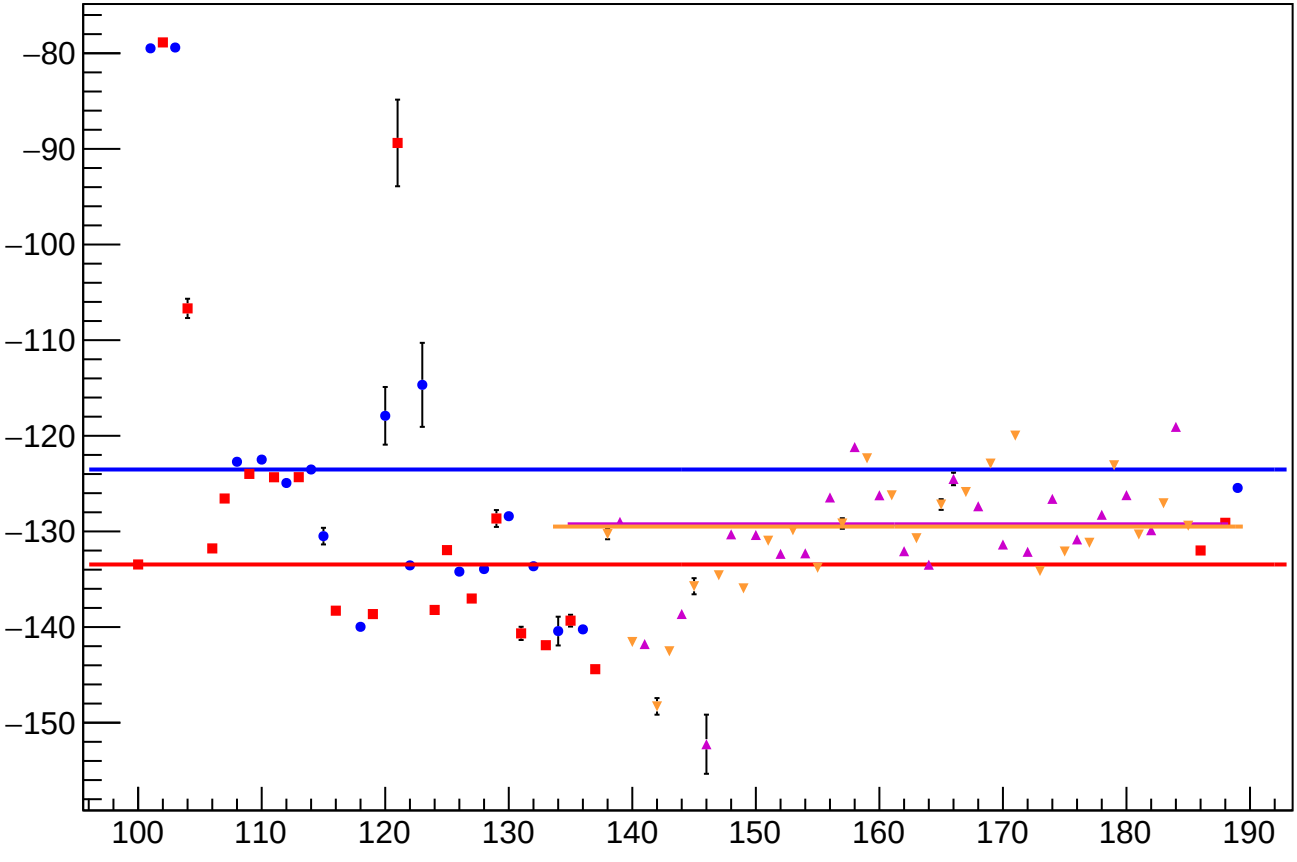
Right: 87.169+/-0.000 $\chi^2$/NDF: 1995684404141260

In: 83.573+/-0.000 $\chi^2$/NDF:61177.6/40

Out: 93.762+/-0.000 $\chi^2$/NDF:108314.1/45

All: 87.169+/-0.000 $\chi^2$/NDF: 1995684404141

# dit_sam7_4eX_slope vs Slug, Sign Corrected




Right In: -123.524+/-0.000 $\chi^2$/NDF: 160584.3/17

Left Out: -129.492+/-0.059 $\chi^2$/NDF:10775.3/24

Right Out: -133.456+/-0.000 $\chi^2$/NDF: 396108.0/20

Left In: -129.256+/-0.052 $\chi^2$/NDF:6558.2/22

Left: -129.358+/-0.039 $\chi^2$/NDF: 17342.6/47

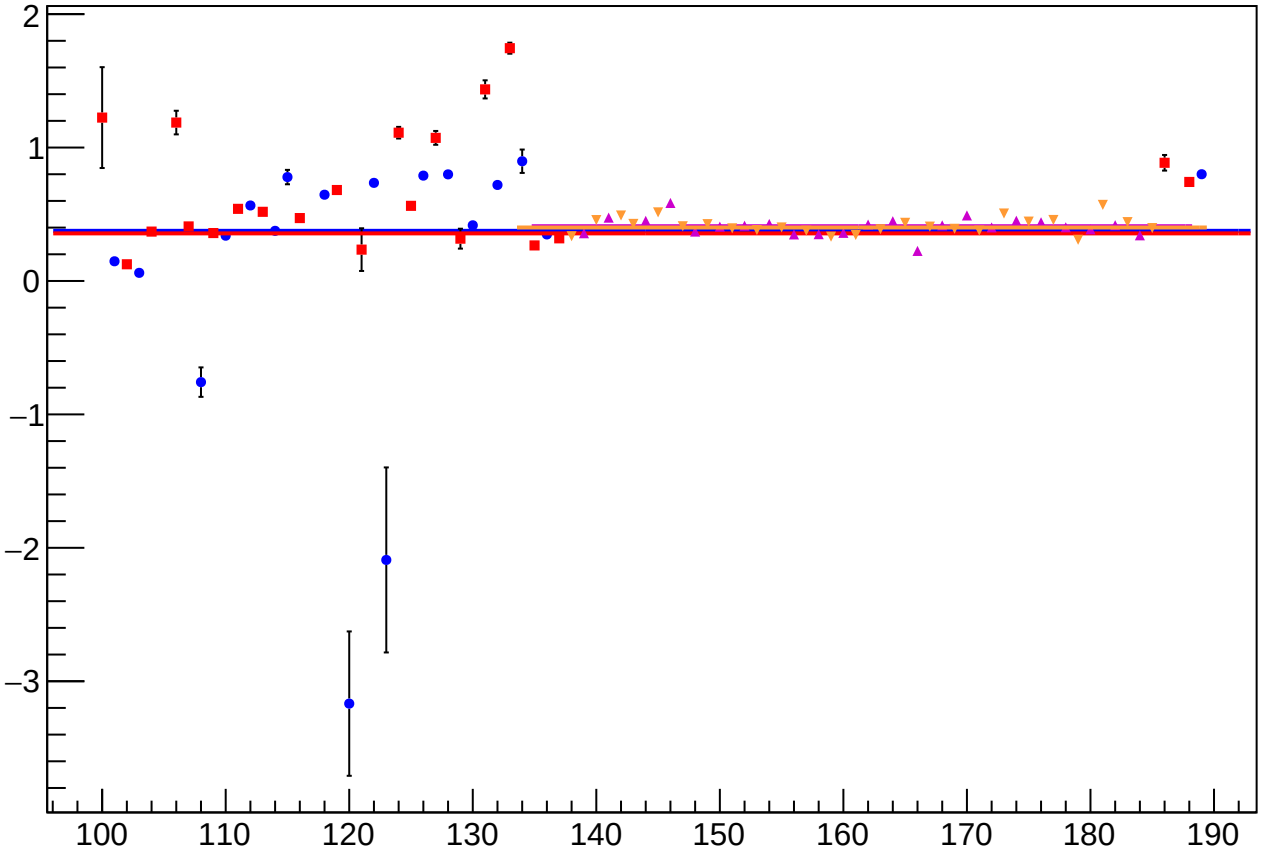
Right: -124.716+/-0.000 $\chi^2$/NDF: 64467869901657

In: -123.524+/-0.000 $\chi^2$/NDF:179505.4/40

Out: -133.456+/-0.000 $\chi^2$/NDF:411364.8/45

All: -124.716+/-0.000 $\chi^2$/NDF: 64467869901

# dit_sam7_11X12X_slope vs Slug, Sign Corrected




Right In: 0.376+/-0.000 $\chi^2$/NDF: 4106.0/17

Left Out: 0.401+/-0.000 $\chi^2$/NDF:9030.9/24

Right Out: 0.357+/-0.002 $\chi^2$/NDF: 5068.6/20

Left In: 0.410+/-0.000 $\chi^2$/NDF:8478.2/22

Left: 0.406+/-0.000 $\chi^2$/NDF: 17715.3/47

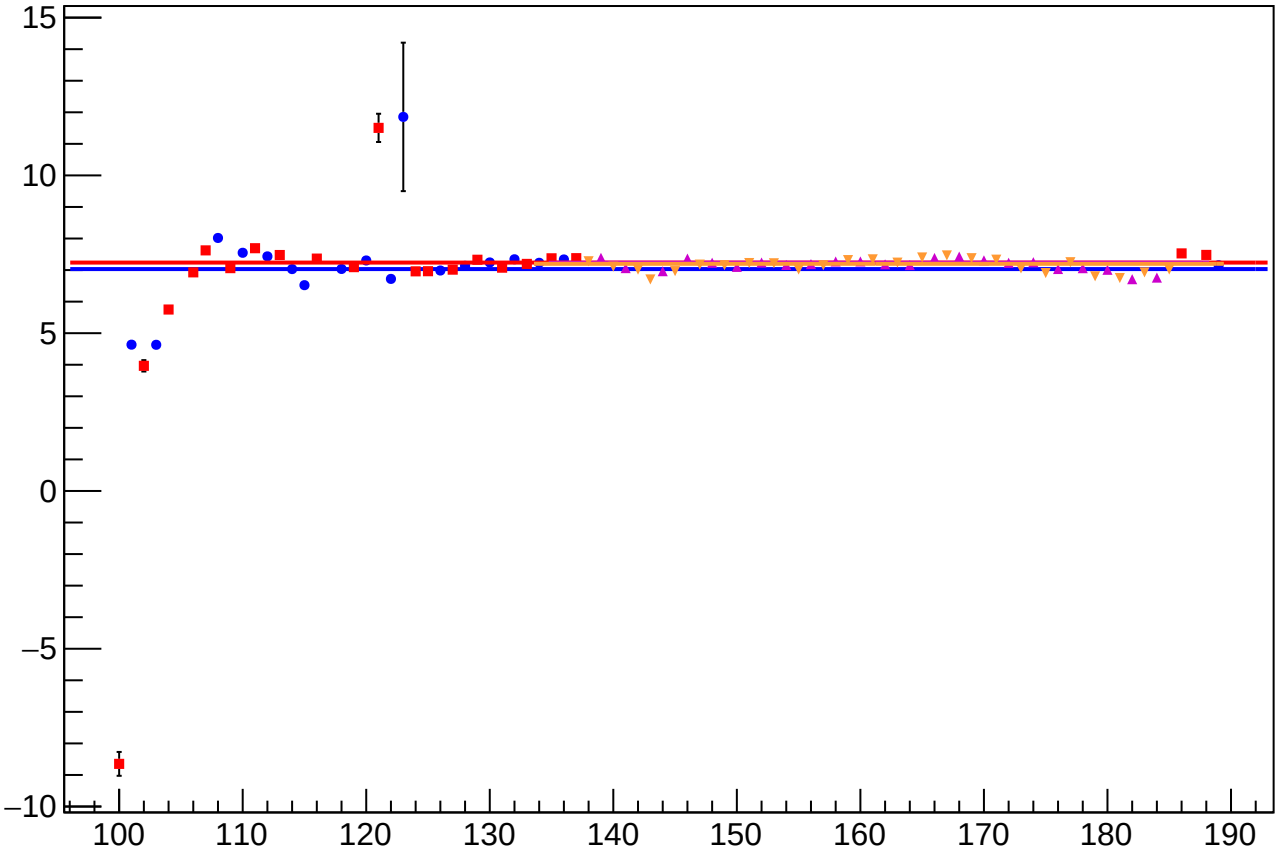
Right: 0.376+/-0.000 $\chi^2$/NDF: 9335.7/38

In: 0.376+/-0.000 $\chi^2$/NDF:18477.0/40

Out: 0.396+/-0.000 $\chi^2$/NDF:14874.0/45

All: 0.376+/-0.000 $\chi^2$/NDF: 35247.2/86

# dit_sam7_4aY_slope vs Slug, Sign Corrected




Right In: 7.032+/-0.000 $\chi^2$/NDF: 19773.7/17

Left Out: 7.199+/-0.001 $\chi^2$/NDF:37453.7/24

Right Out: 7.238+/-0.002 $\chi^2$/NDF: 10256.5/20

Left In: 7.233+/-0.001 $\chi^2$/NDF:23085.0/22

Left: 7.217+/-0.001 $\chi^2$/NDF: 61326.3/47

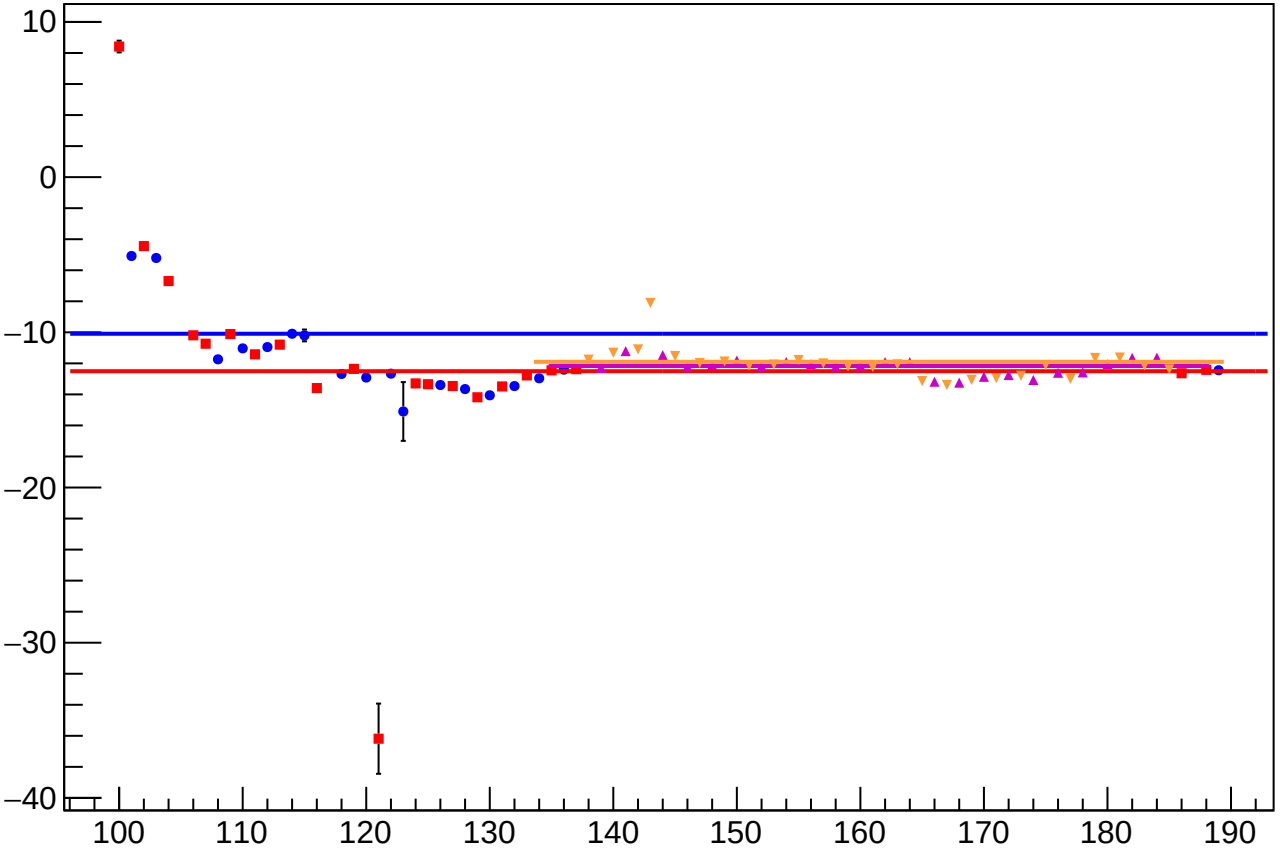
Right: 7.032+/-0.000 $\chi^2$/NDF: 37642.7/38

In: 7.032+/-0.000 $\chi^2$/NDF:101619.9/40

Out: 7.204+/-0.001 $\chi^2$/NDF:47946.2/45

All: 7.032+/-0.000 $\chi^2$/NDF: 191293.8/86

# dit_sam7_4eY_slope vs Slug, Sign Corrected




Right In: -10.092+/-0.000 $\chi^2$/NDF: 544420.0/17

Left Out: -11.899+/-0.002 $\chi^2$/NDF:498866.6/24

Right Out: -12.505+/-0.004 $\chi^2$/NDF: 103538.7/20

Left In: -12.169+/-0.002 $\chi^2$/NDF:49568.3/22

Left: -12.033+/-0.001 $\chi^2$/NDF: 561016.9/47

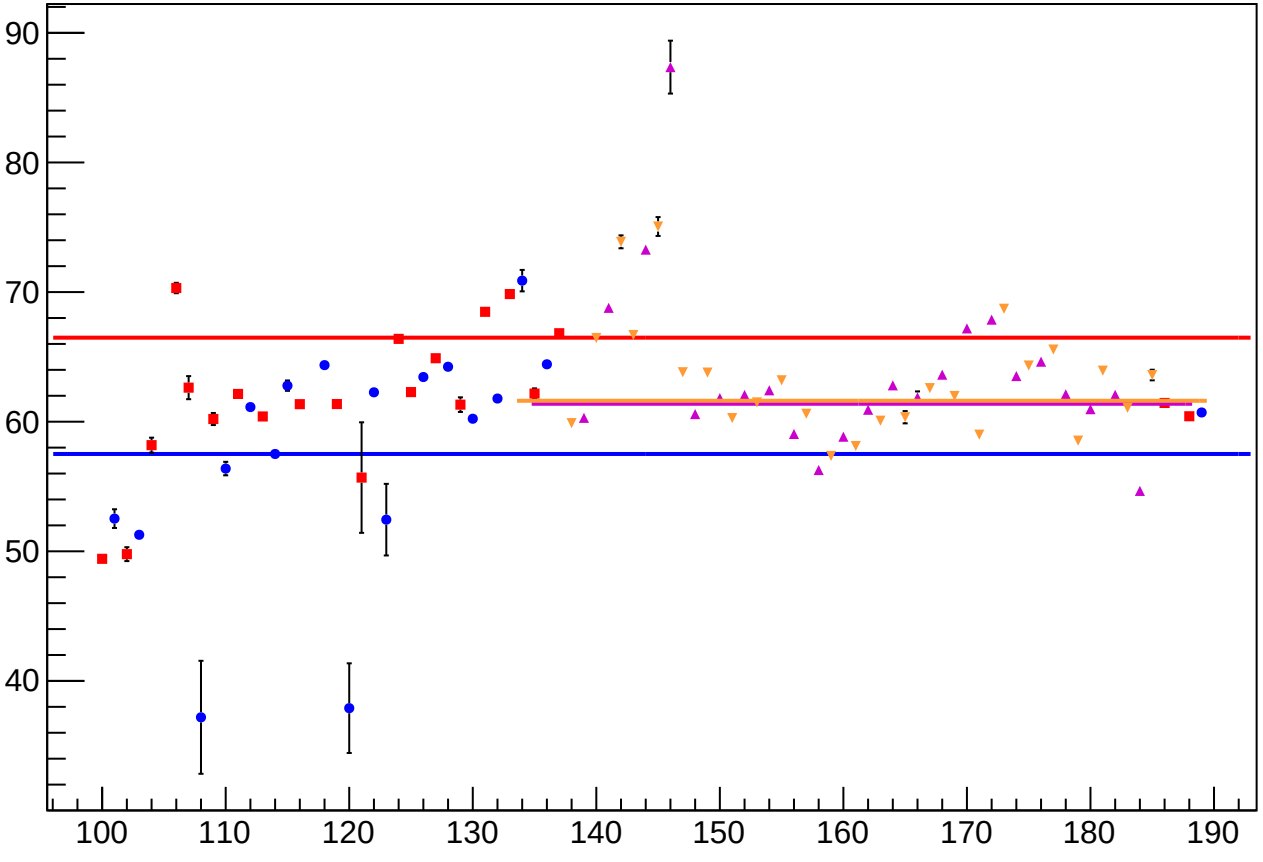
Right: -10.092+/-0.000 $\chi^2$/NDF: 1082263.5/38

In: -10.092+/-0.000 $\chi^2$/NDF:2076835.7/40

Out: -12.006+/-0.002 $\chi^2$/NDF:624928.3/45

All: -10.092+/-0.000 $\chi^2$/NDF: 4256642.8/86

# dit_sam8_4aX_slope vs Slug, Sign Corrected




Right In: 57.510+/-0.000 $\chi^2$/NDF: 8992.4/17

Left Out: 61.615+/-0.039 $\chi^2$/NDF:7756.9/24

Right Out: 66.483+/-0.013 $\chi^2$/NDF: 13995.8/20

Left In: 61.383+/-0.033 $\chi^2$/NDF:8900.0/22

Left: 61.479+/-0.025 $\chi^2$/NDF: 16677.8/47

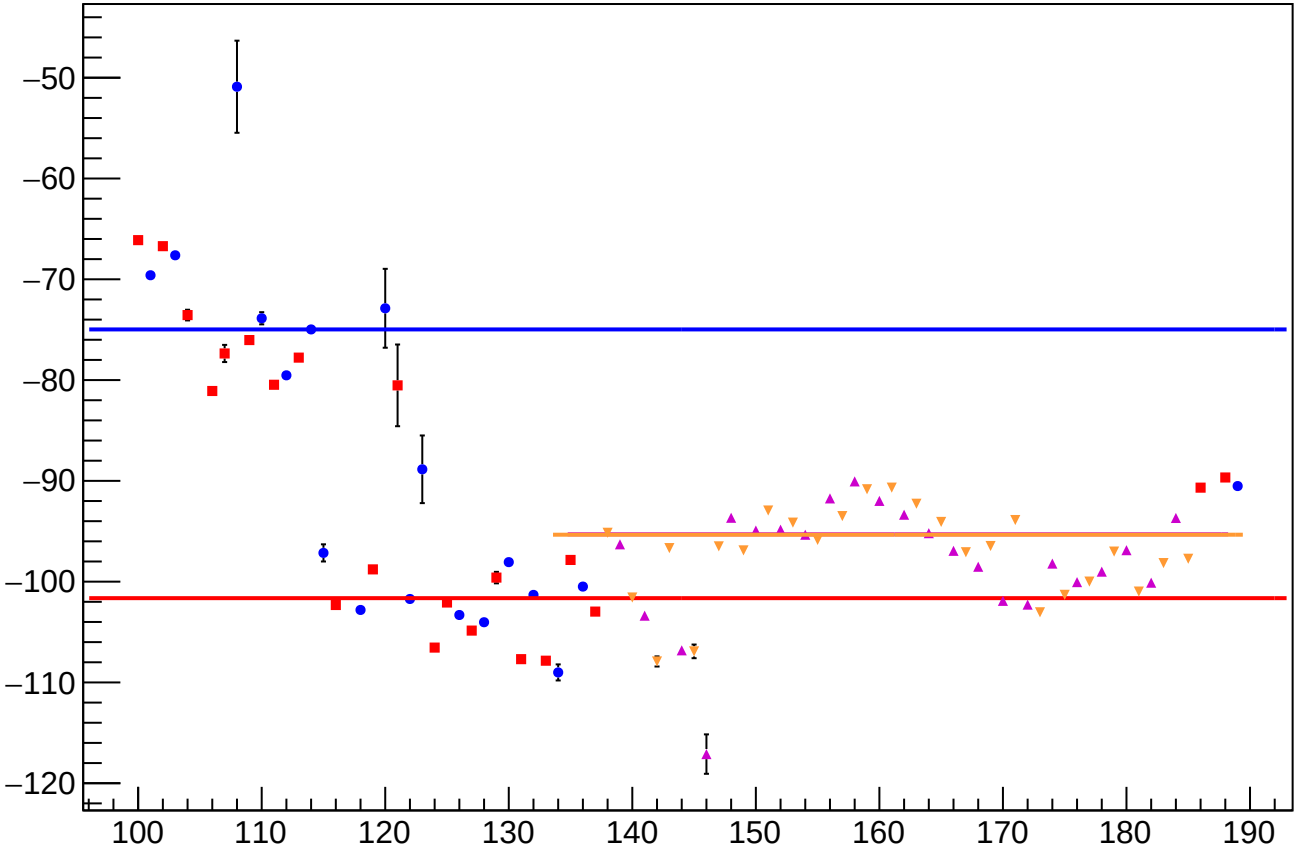
Right: 57.510+/-0.000 $\chi^2$/NDF: 506735.9/38

In: 57.510+/-0.000 $\chi^2$/NDF:32045.0/40

Out: 66.000+/-0.012 $\chi^2$/NDF:35867.4/45

All: 57.510+/-0.000 $\chi^2$/NDF: 548686.4/86

# dit_sam8_4eX_slope vs Slug, Sign Corrected




Right In: -74.974+/-0.000 $\chi^2$/NDF: 142230.4/17

Left Out: -95.342+/-0.039 $\chi^2$/NDF:9387.4/24

Right Out: -101.637+/-0.017 $\chi^2$/NDF: 82086.1/20

Left In: -95.301+/-0.033 $\chi^2$/NDF:11271.5/22

Left: -95.319+/-0.025 $\chi^2$/NDF: 20659.5/47

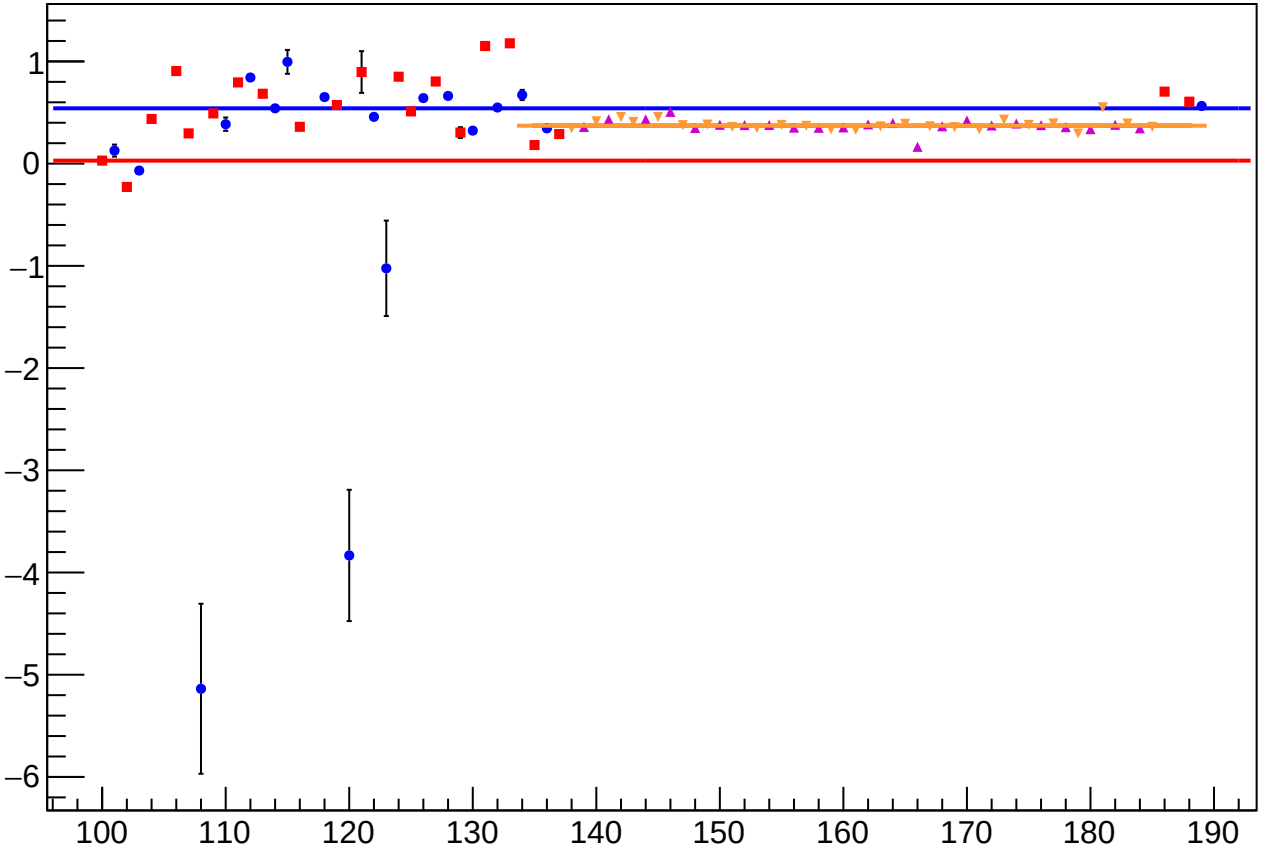
Right: -74.974+/-0.000 $\chi^2$/NDF: 2614079.7/38

In: -74.974+/-0.000 $\chi^2$/NDF:528454.0/40

Out: -100.594+/-0.016 $\chi^2$/NDF:113544.2/45

All: -74.974+/-0.000 $\chi^2$/NDF: 3286652.0/86

# dit_sam8_11X12X_slope vs Slug, Sign Corrected




Right In: 0.541+/-0.000 $\chi^2$/NDF: 29181.6/17

Left Out: 0.371+/-0.000 $\chi^2$/NDF:6797.7/24

Right Out: 0.030+/-0.000 $\chi^2$/NDF: 124232.1/20

Left In: 0.372+/-0.000 $\chi^2$/NDF:6020.6/22

Left: 0.372+/-0.000 $\chi^2$/NDF: 12824.6/47

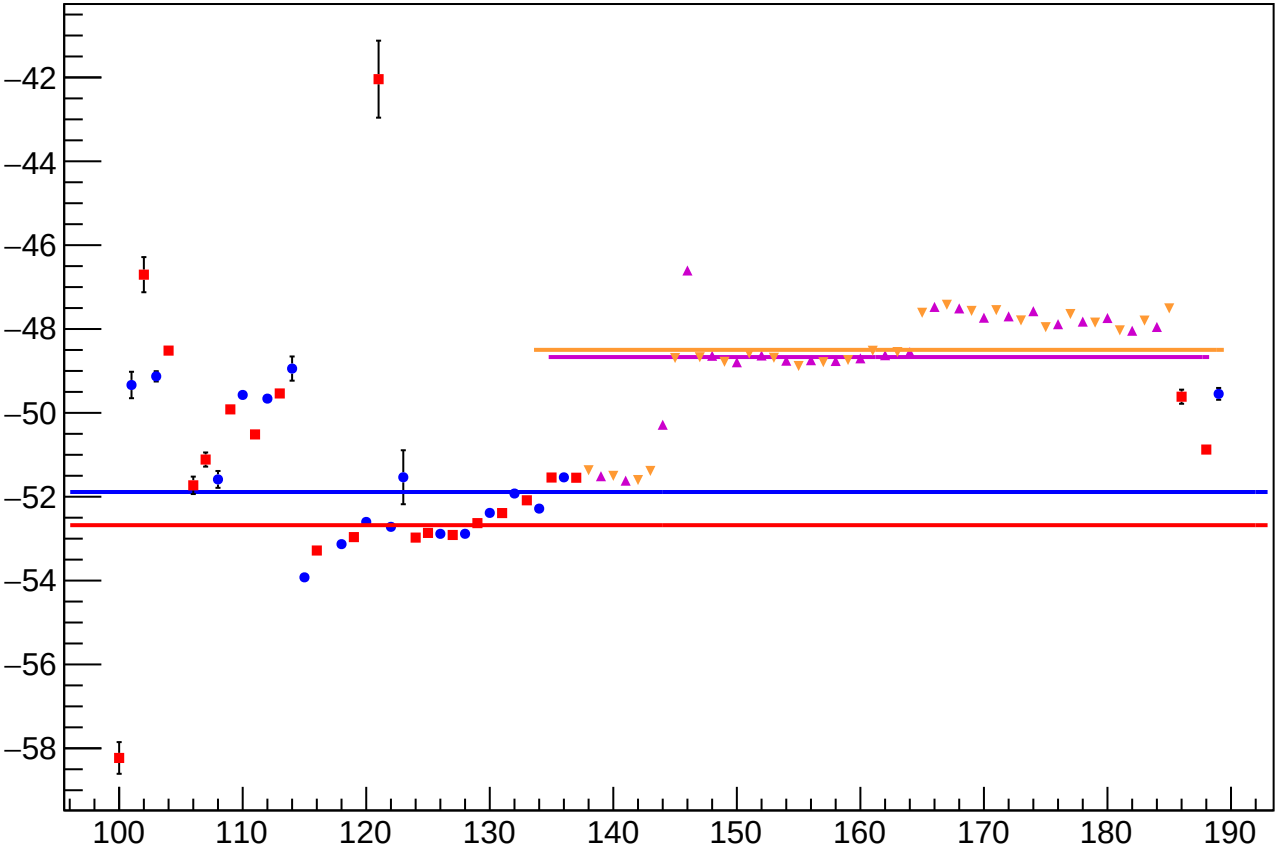
Right: 0.030+/-0.000 $\chi^2$/NDF: 23314297700963382

In: 0.541+/-0.000 $\chi^2$/NDF:334318.1/40

Out: 0.030+/-0.000 $\chi^2$/NDF:984821.6/45

All: 0.030+/-0.000 $\chi^2$/NDF: 2331429770096

# dit_sam8_4aY_slope vs Slug, Sign Corrected




Right In: -51.887+/-0.002 $\chi^2$/NDF: 77860.9/17

Left Out: -48.497+/-0.001 $\chi^2$/NDF:699790.4/24

Right Out: -52.678+/-0.003 $\chi^2$/NDF: 57753.5/20

Left In: -48.669+/-0.001 $\chi^2$/NDF:809321.2/22

Left: -48.594+/-0.001 $\chi^2$/NDF: 1523797.8/47

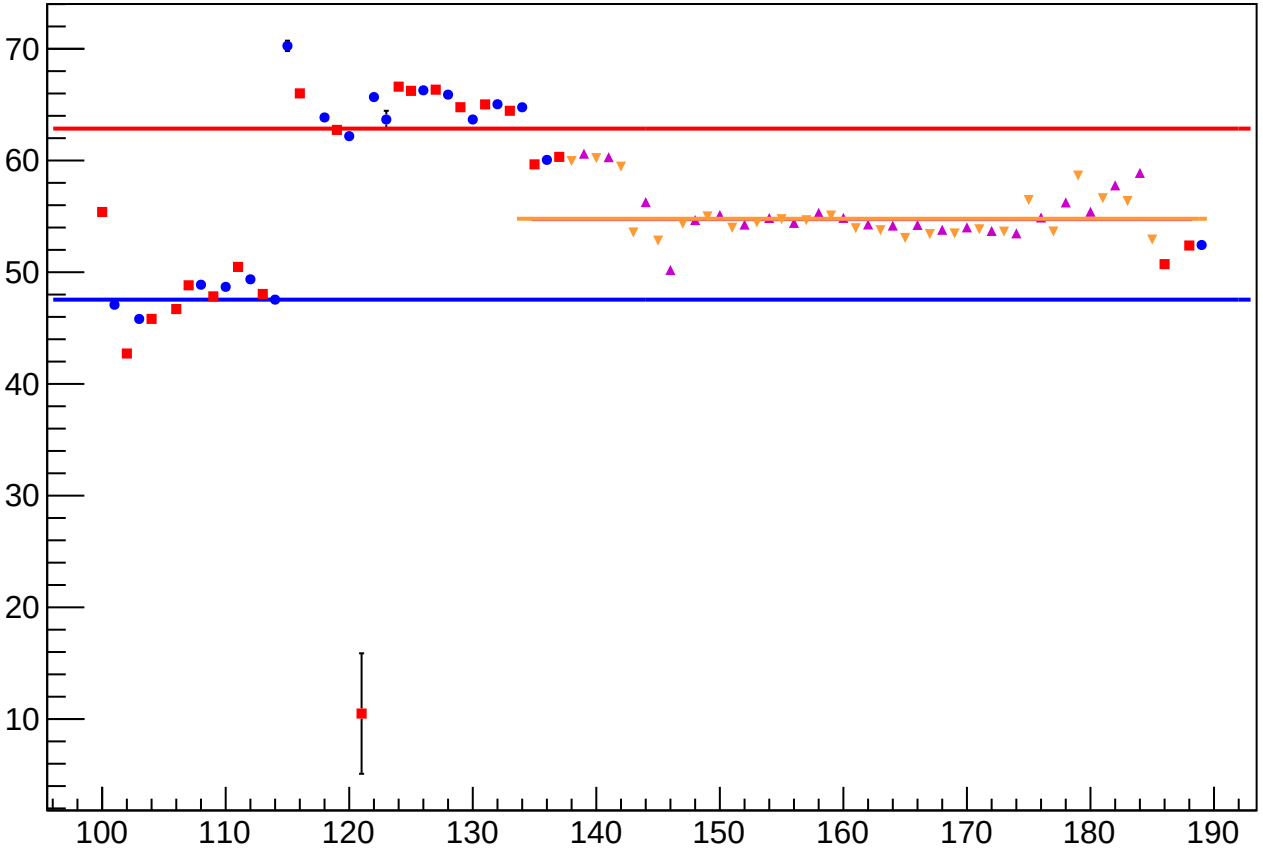
Right: -52.229+/-0.002 $\chi^2$/NDF: 190054.6/38

In: -49.152+/-0.001 $\chi^2$/NDF:2661226.7/40

Out: -49.116+/-0.001 $\chi^2$/NDF:3037782.8/45

All: -49.136+/-0.001 $\chi^2$/NDF: 5699756.1/86

# dit_sam8_4eY_slope vs Slug, Sign Corrected




Right In: 47.545+/-0.000 $\chi^2$/NDF: 3605032.9/17

Left Out: 54.787+/-0.003 $\chi^2$/NDF:301226.3/24

Right Out: 62.857+/-0.007 $\chi^2$/NDF: 380023.2/20

Left In: 54.755+/-0.003 $\chi^2$/NDF:100763.3/22

Left: 54.769+/-0.002 $\chi^2$/NDF: 402054.6/47

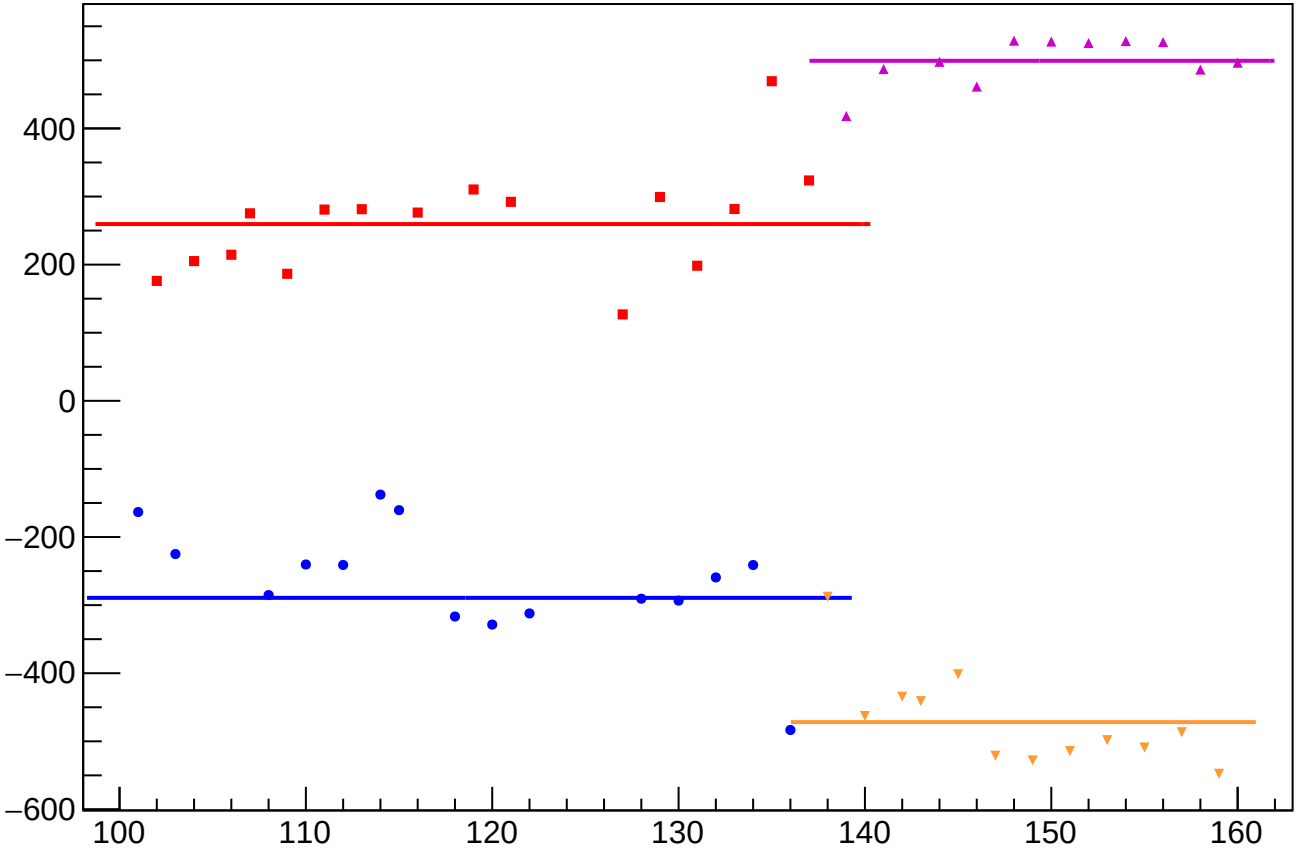
Right: 47.545+/-0.000 $\chi^2$/NDF: 8277318.6/38

In: 47.545+/-0.000 $\chi^2$/NDF:11360592.4/40

Out: 55.893+/-0.003 $\chi^2$/NDF:1710161.2/45

All: 47.545+/-0.000 $\chi^2$/NDF: 22381728.9/86

# dit_4aX_coil1_mean vs Slug, Sign Corrected




Left: 16.408+/-0.000 $\chi^2$/NDF: 4387510726187305

Right In: -289.322+/-0.000 $\chi^2$/NDF: 53696816404848914786495853921839349 76.0/14

Right: -11.129+/-0.000 $\chi^2$/NDF: 108768514077982

Left Out: -471.791+/-0.000 $\chi^2$/NDF:4407577357733372304653153526381281280.0/11

In: 173.938+/-0.000 $\chi^2$/NDF:2434992102571034

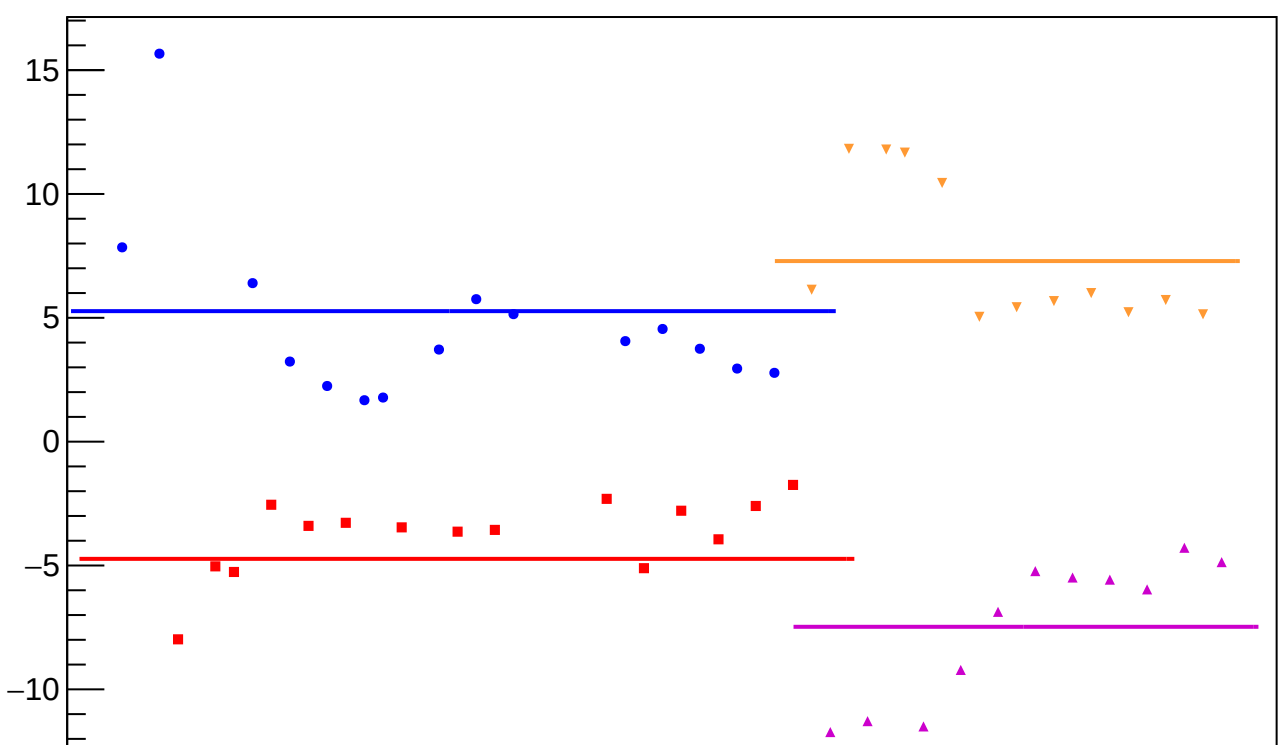
Right Out: 259.558+/-0.000 $\chi^2$/NDF: 42998867926921239707845639837707 14112.0/15

Out: -163.246+/-0.000 $\chi^2$/NDF:214955339400548

Left In: 499.323+/-0.000 $\chi^2$/NDF:10187894616066444101072217184655114 24.0/10

All: 4.918+/-0.000 $\chi^2$/NDF: 5481010805807

# dit_4aX_coil1_err_mean vs Slug, Sign Corrected




Left: -0.132+/-0.000 $\chi^2$/NDF: 11395661588137733

Right In: 5.270+/-0.000 $\chi^2$/NDF: 87096832921237983305509067900846 08.0/14

Right: 0.201+/-0.000 $\chi^2$/NDF: 48467955168543439

Left Out: 7.291+/-0.000 $\chi^2$/NDF:67180535151728638858364323511664 64.0/11

In: -2.217+/-0.000 $\chi^2$/NDF:77685923011797950 8

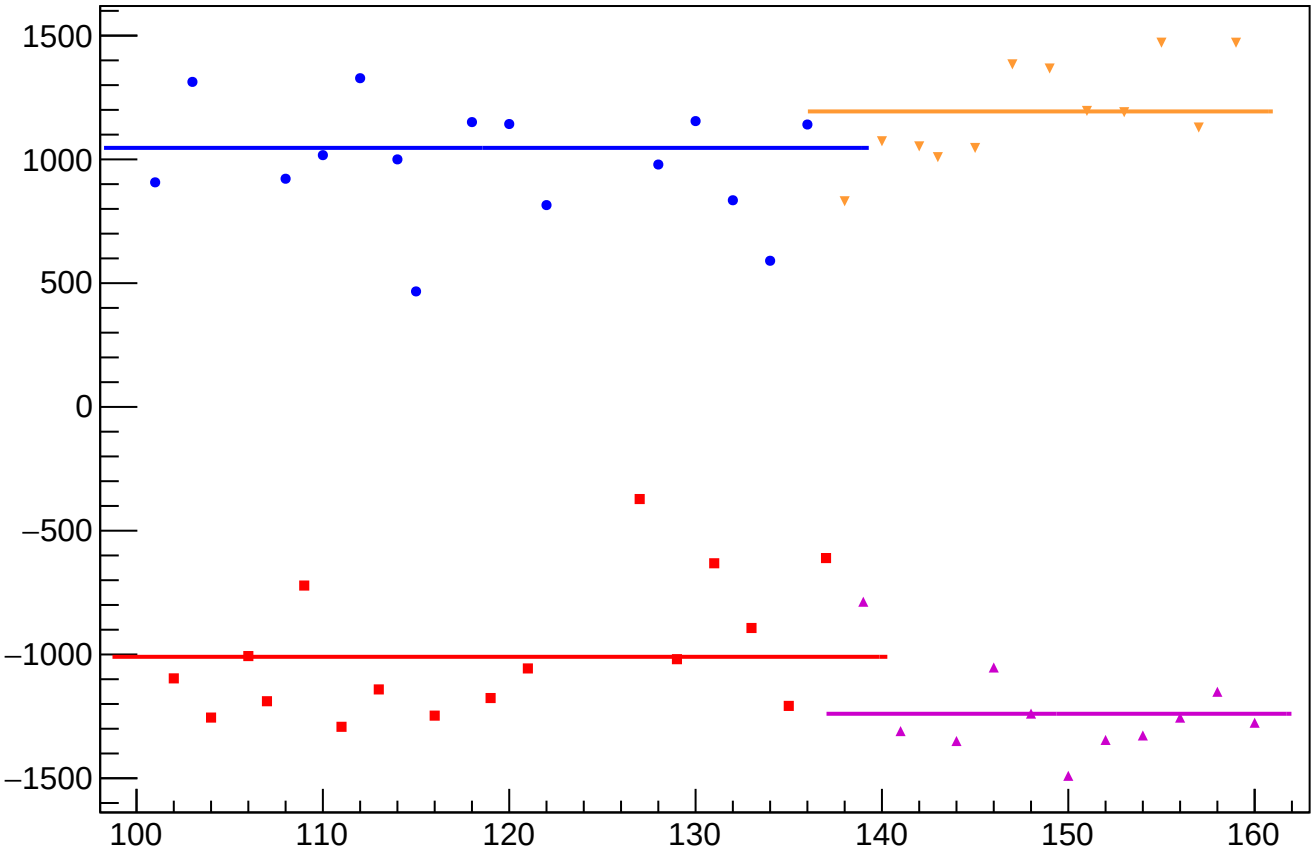
Right Out: -4.732+/-0.000 $\chi^2$/NDF: 68568930725752115628022814264524 80.0/15

Out: 2.219+/-0.000 $\chi^2$/NDF:69311143911144933 8

Left In: -7.475+/-0.000 $\chi^2$/NDF:70578121393995795388702445503774 72.0/10

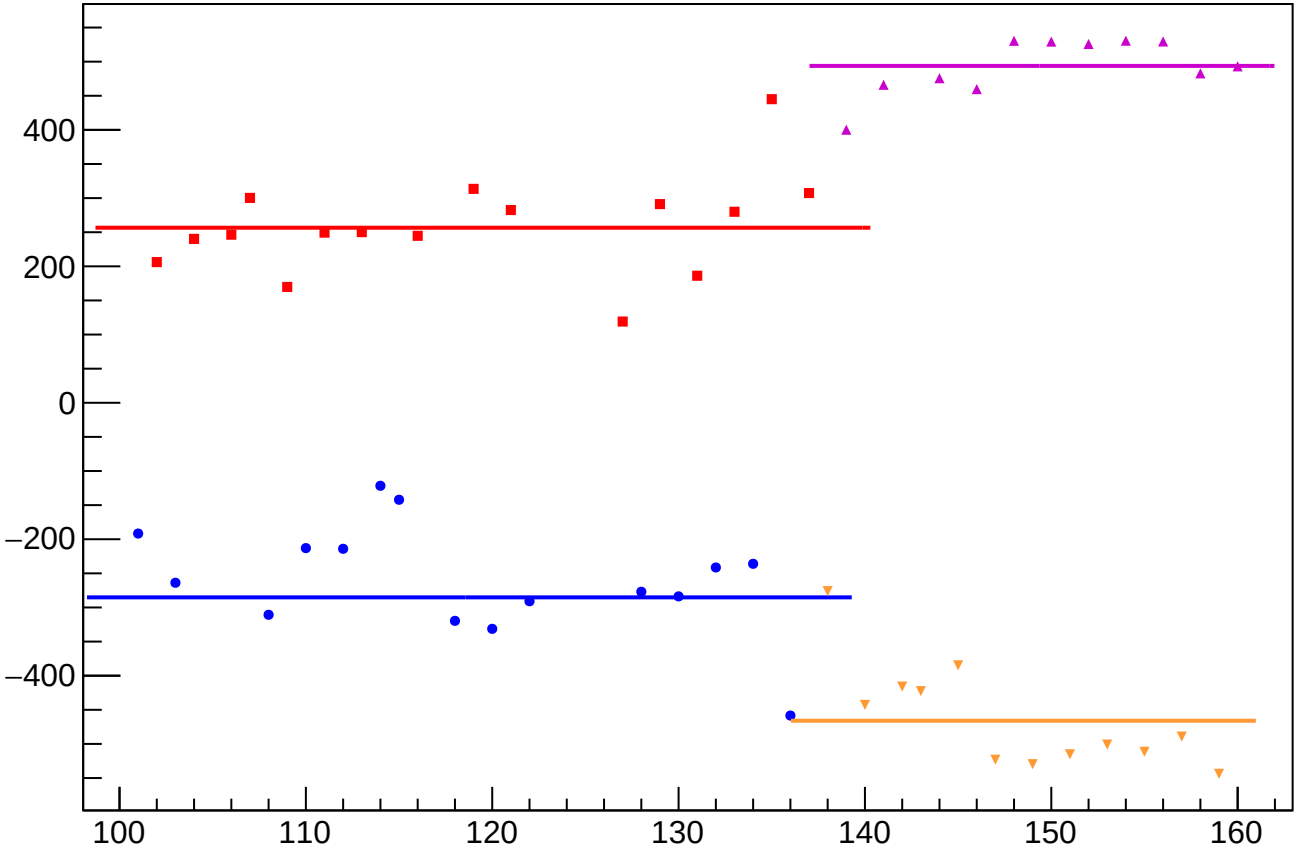
All: 0.007+/-0.000 $\chi^2$/NDF: 16250941727402

# dit_4aX_coil1_Ndata_mean vs Slug, Sign Corrected



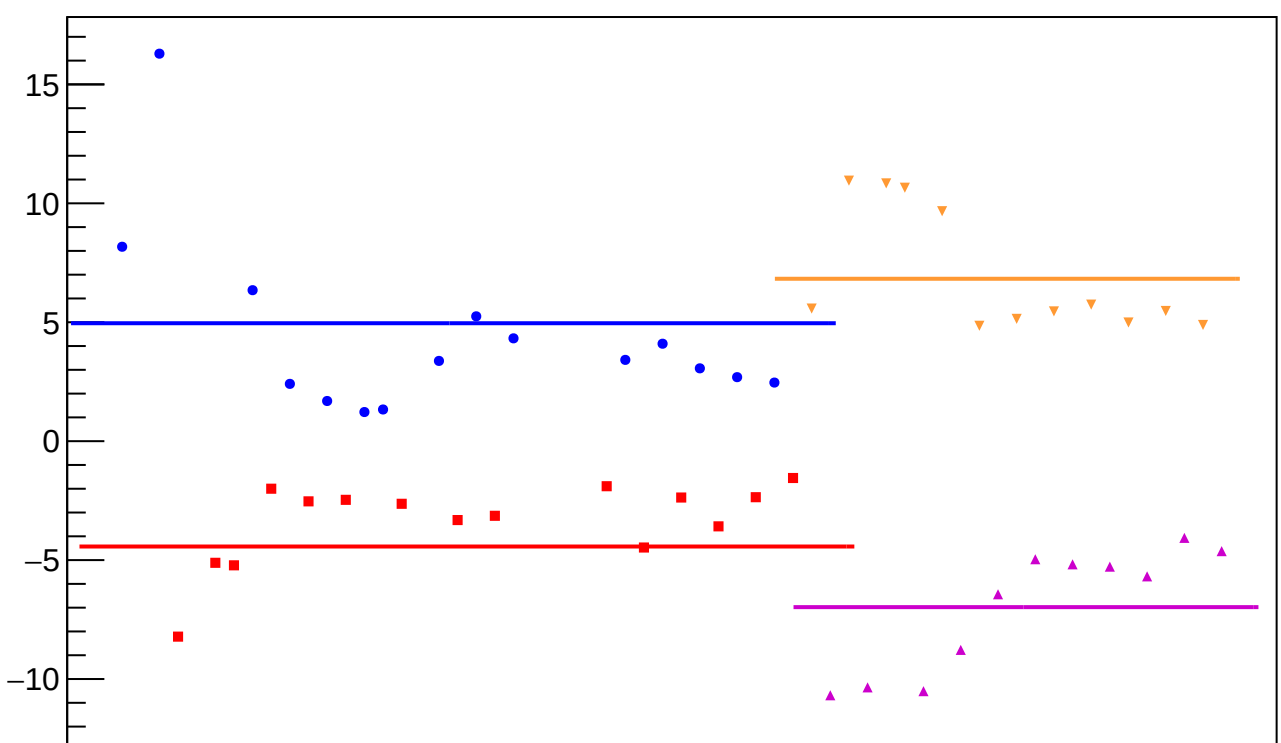

Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 24866624766048512267031234680614551552.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 14598494086105576
Left Out: 1193.726+/-0.000 $\chi^2$/NDF:34388618994267285012310712301196935168.0/11
In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 44602783681728168935494176019868286976.0/15
Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556
Left In: -1239.553+/-0.000 $\chi^2$/NDF:29116180330425505242594030704390045696.0/10
All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_4eX_coil1_mean vs Slug, Sign Corrected




Left: 16.495+/-0.000 $\chi^2$/NDF: 4299214523366525
Right In: -285.187+/-0.000 $\chi^2$/NDF: 447958526285354983809252192129174732 8.0/14
Right: -10.589+/-0.000 $\chi^2$/NDF: 104681795299957
Left Out: -466.012+/-0.000 $\chi^2$/NDF:5190970068830574132794472761412026368.0/11
In: 172.388+/-0.000 $\chi^2$/NDF:2372579446199701
Right Out: 256.599+/-0.000 $\chi^2$/NDF: 364827153597103916595260256319176704 0.0/15
Out: -161.153+/-0.000 $\chi^2$/NDF:210188051150550
Left In: 493.780+/-0.000 $\chi^2$/NDF:1451794731277142230901460532226686976.0/10
All: 5.194+/-0.000 $\chi^2$/NDF: 5351657860552

# dit_4eX_coil1_err_mean vs Slug, Sign Corrected




Right In: 4.959+/-0.000 $\chi^2$/NDF: 1046546705714337181737168164146380 8.0/14

Left Out: 6.828+/-0.000 $\chi^2$/NDF:5374095498583312473439971131260928.0/11

Right Out: -4.429+/-0.000 $\chi^2$/NDF: 8371440400334524571131796772618240.0/15

Left In: -6.978+/-0.000 $\chi^2$/NDF:5622697014277754941158413236699136.0/10

Left: -0.112+/-0.000 $\chi^2$/NDF: 98575453845748466

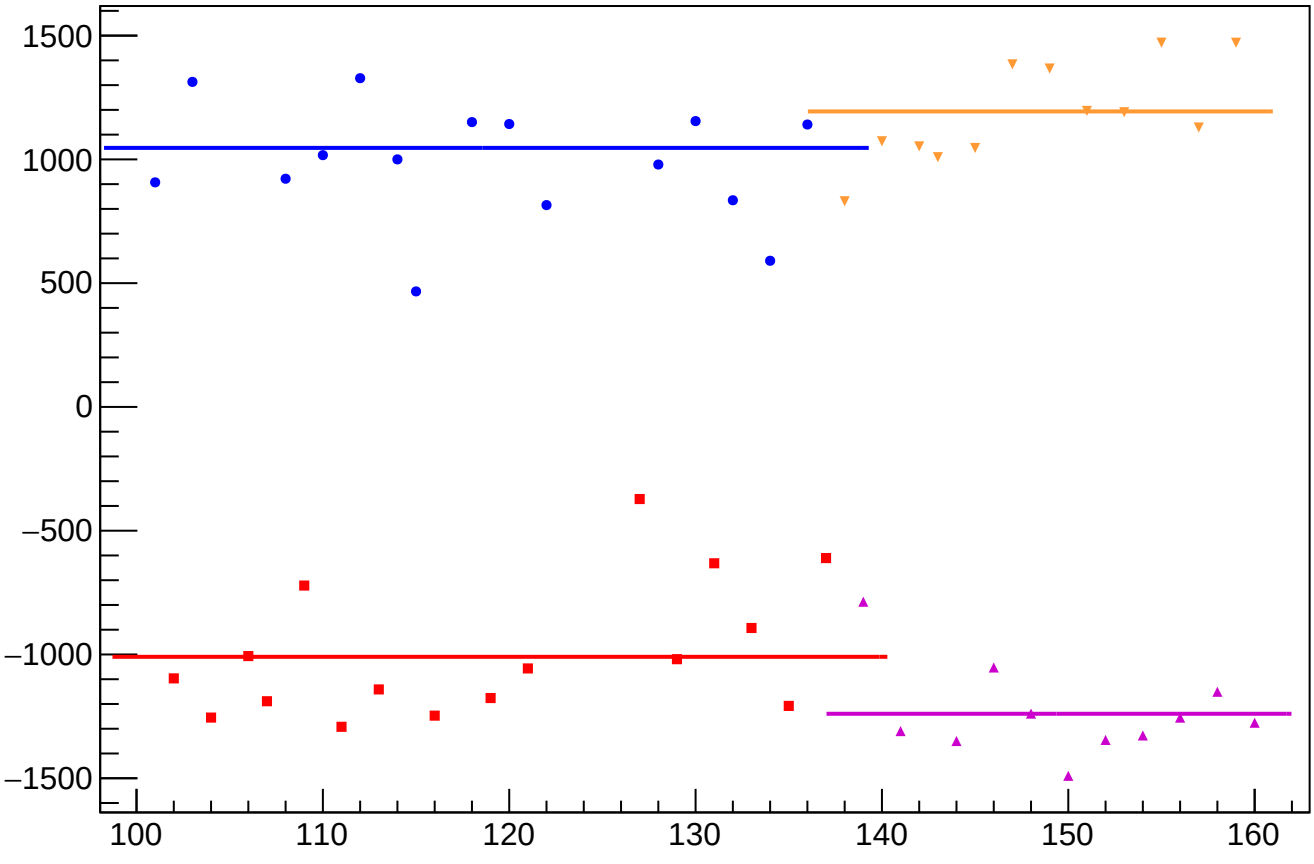
Right: 0.201+/-0.000 $\chi^2$/NDF: 4782630088490530 0

In: -2.053+/-0.000 $\chi^2$/NDF:704055543100119257

Out: 2.079+/-0.000 $\chi^2$/NDF:626104177981069701

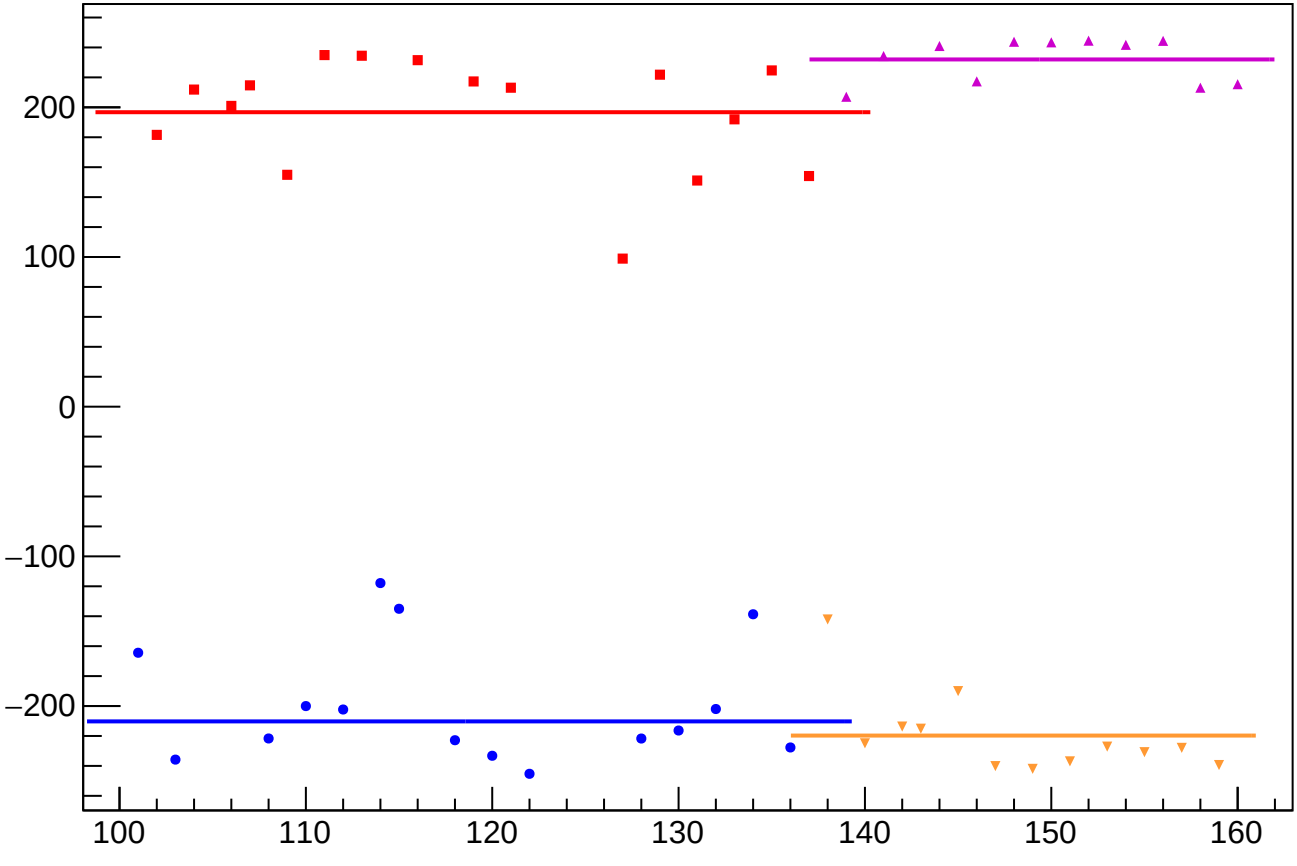
All: 0.018+/-0.000 $\chi^2$/NDF: 1464768921407 0

# dit_4eX_coil1_Ndata_mean vs Slug, Sign Corrected




Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 24866624766048512267031234680614551552.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 14598494086105576
Left Out: 1193.726+/-0.000 $\chi^2$/NDF:34388618994267285012310712301196935168.0/11
In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 44602783681728168935494176019868286976.0/15
Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556
Left In: -1239.553+/-0.000 $\chi^2$/NDF:29116180330425505242594030704390045696.0/10
All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_11X12X_coil1_mean vs Slug, Sign Corrected




Left: 7.357+/-0.000 $\chi^2$/NDF: 946302102045066653

Right In: -210.261+/-0.000 $\chi^2$/NDF: 5677110765680684091924677004948930 56.0/14

Right: -3.979+/-0.000 $\chi^2$/NDF: 5596508618889263

Left Out: -219.729+/-0.000 $\chi^2$/NDF:691090878567021644145539364306288640.0/11

In: 49.520+/-0.000 $\chi^2$/NDF:75312551342115055 4

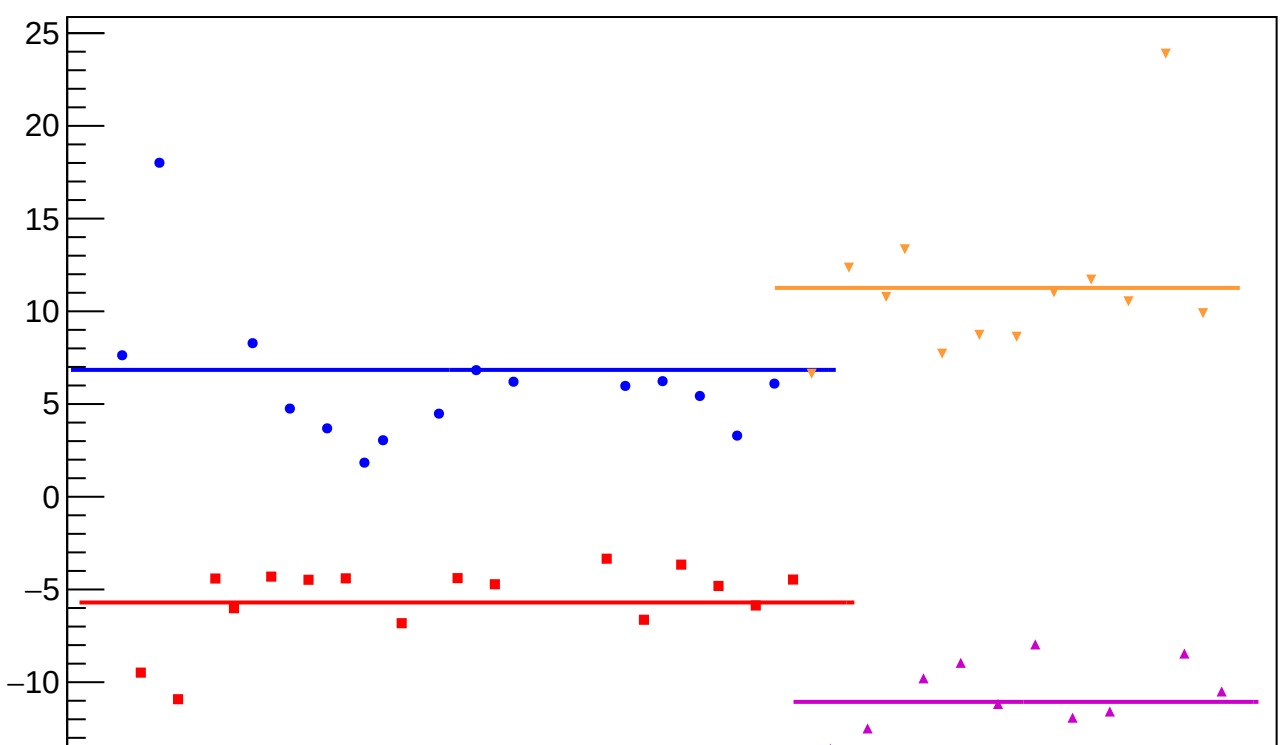
Right Out: 196.736+/-0.000 $\chi^2$/NDF: 9095888950930448406336405147903590 40.0/15

Out: -44.029+/-0.000 $\chi^2$/NDF:6848097439733710

Left In: 231.985+/-0.000 $\chi^2$/NDF:1829920272804014631390651052908871 68.0/10

All: 2.627+/-0.000 $\chi^2$/NDF: 15069384503151

# dit_11X12X_coil1_err_mean vs Slug, Sign Corrected




Left: 0.040+/-0.000 $\chi^2$/NDF: 250357817472556188

Right In: 6.842+/-0.000 $\chi^2$/NDF: 935593416682332446731664762077184 0/14

Right: 0.484+/-0.000 $\chi^2$/NDF: 64278461955509291

Left Out: 11.263+/-0.000 $\chi^2$/NDF:169504843044958267355265373894082 56.0/11

In: -3.675+/-0.000 $\chi^2$/NDF:135955249397154669

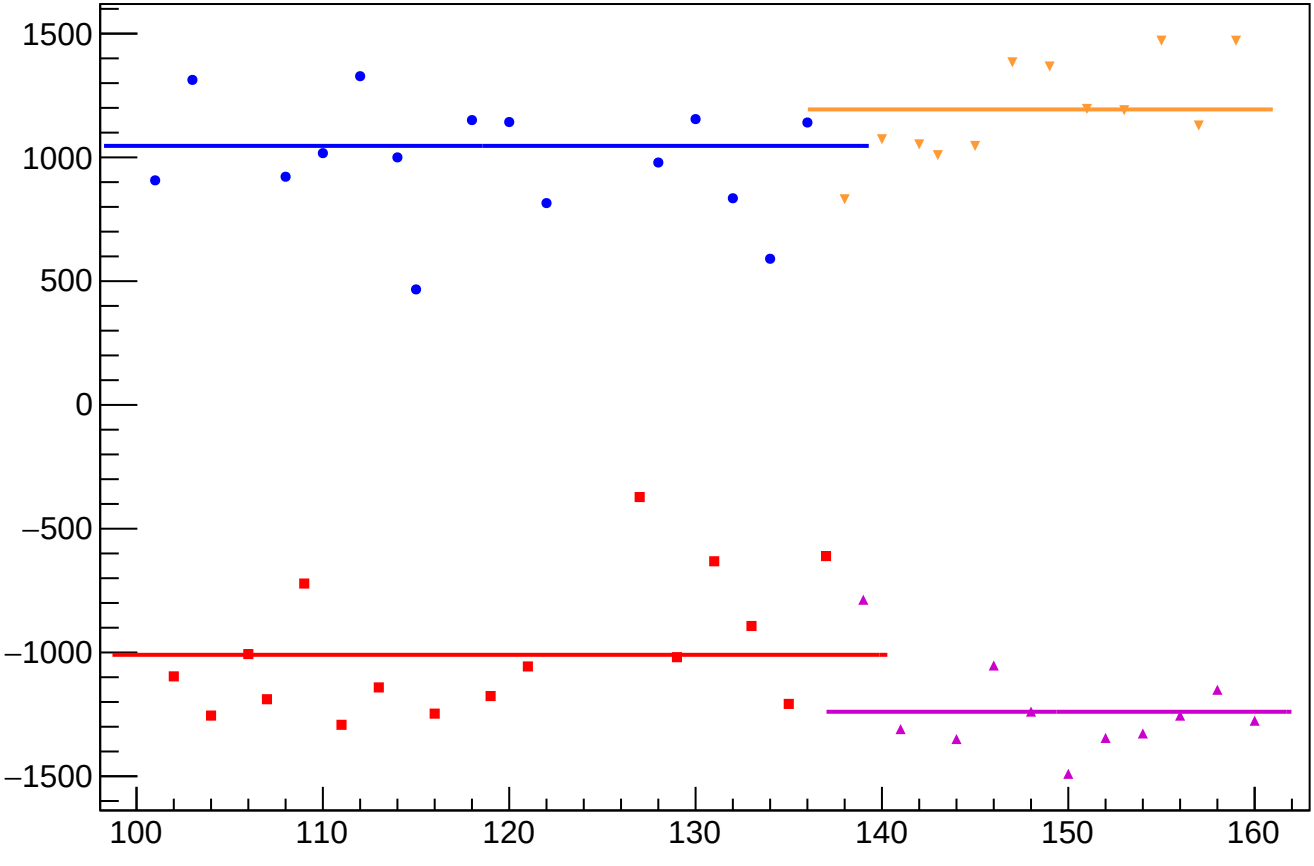
Right Out: -5.701+/-0.000 $\chi^2$/NDF: 317469339830095339313773179148697 6.0/15

Out: 4.106+/-0.000 $\chi^2$/NDF:131096875714597245

Left In: -11.061+/-0.000 $\chi^2$/NDF:441755938778495440031193371351449 6.0/10

All: 0.226+/-0.000 $\chi^2$/NDF: 3147874341547

# dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected




Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267

Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527

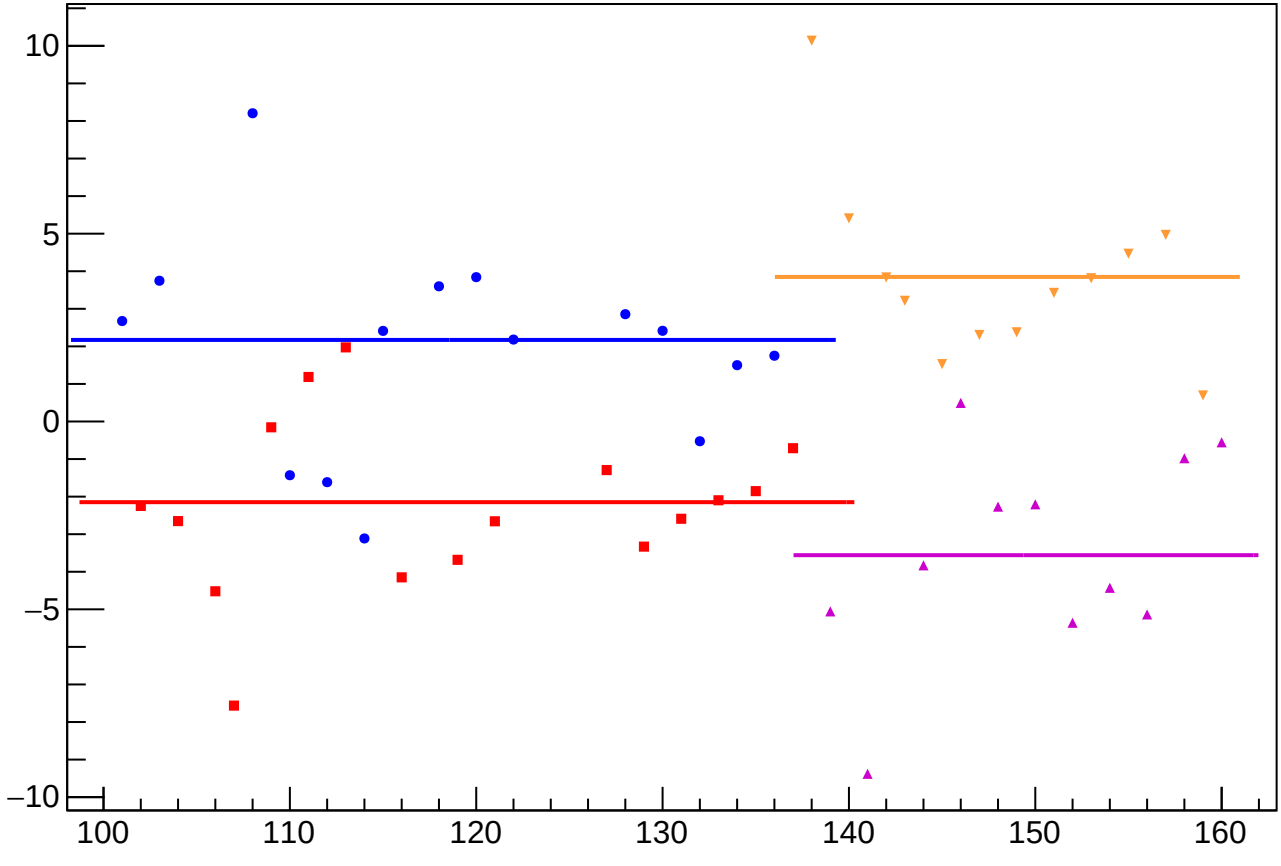
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556 9

Left In: -1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

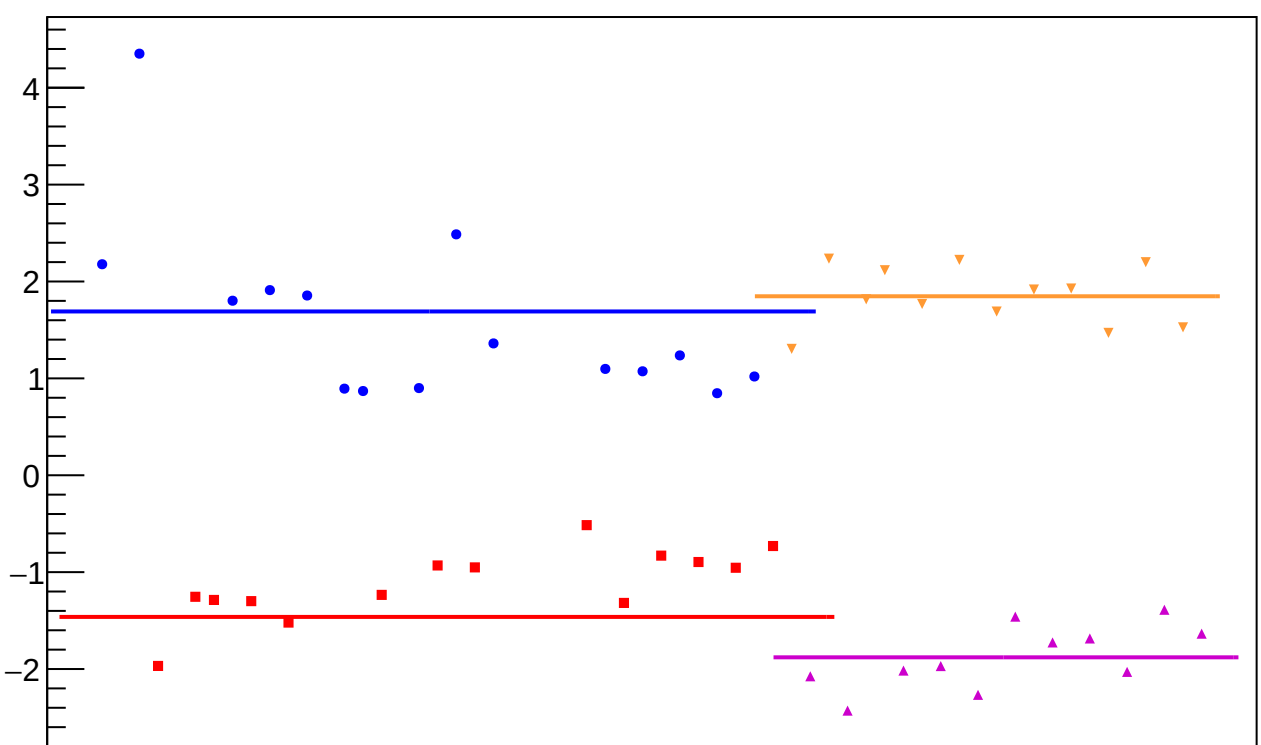
All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_4aY_coil1_mean vs Slug, Sign Corrected




Left: 0.125+/-0.000 $\chi^2$/NDF: 36741877851651066
Right In: 2.171+/-0.000 $\chi^2$/NDF: 35998192469099756784104996916428 80.0/14
Right: -0.018+/-0.000 $\chi^2$/NDF: 1282950255194488
Left Out: 3.848+/-0.000 $\chi^2$/NDF:503959945758893675940636016613785 6.0/11
In: -1.195+/-0.000 $\chi^2$/NDF:226097487134650351
Right Out: -2.148+/-0.000 $\chi^2$/NDF: 309388733623937895960632193187 8400.0/15
Out: 1.319+/-0.000 $\chi^2$/NDF:21996427060229327 9
Left In: -3.559+/-0.000 $\chi^2$/NDF:649266734510996254065216575871 3856.0/10
All: 0.065+/-0.000 $\chi^2$/NDF: 4958691380061 8

# dit_4aY_coil1_err_mean vs Slug, Sign Corrected




Left: -0.026+/-0.000 $\chi^2$/NDF: 65568039047872649

Right In: 1.691+/-0.000 $\chi^2$/NDF: 612163393317609859674079412355072.0/14

Right: 0.093+/-0.000 $\chi^2$/NDF: 43263312753970357

Left Out: 1.847+/-0.000 $\chi^2$/NDF:84162850183102511254837045231616.0/11

In: -0.406+/-0.000 $\chi^2$/NDF:55619651777118776 5

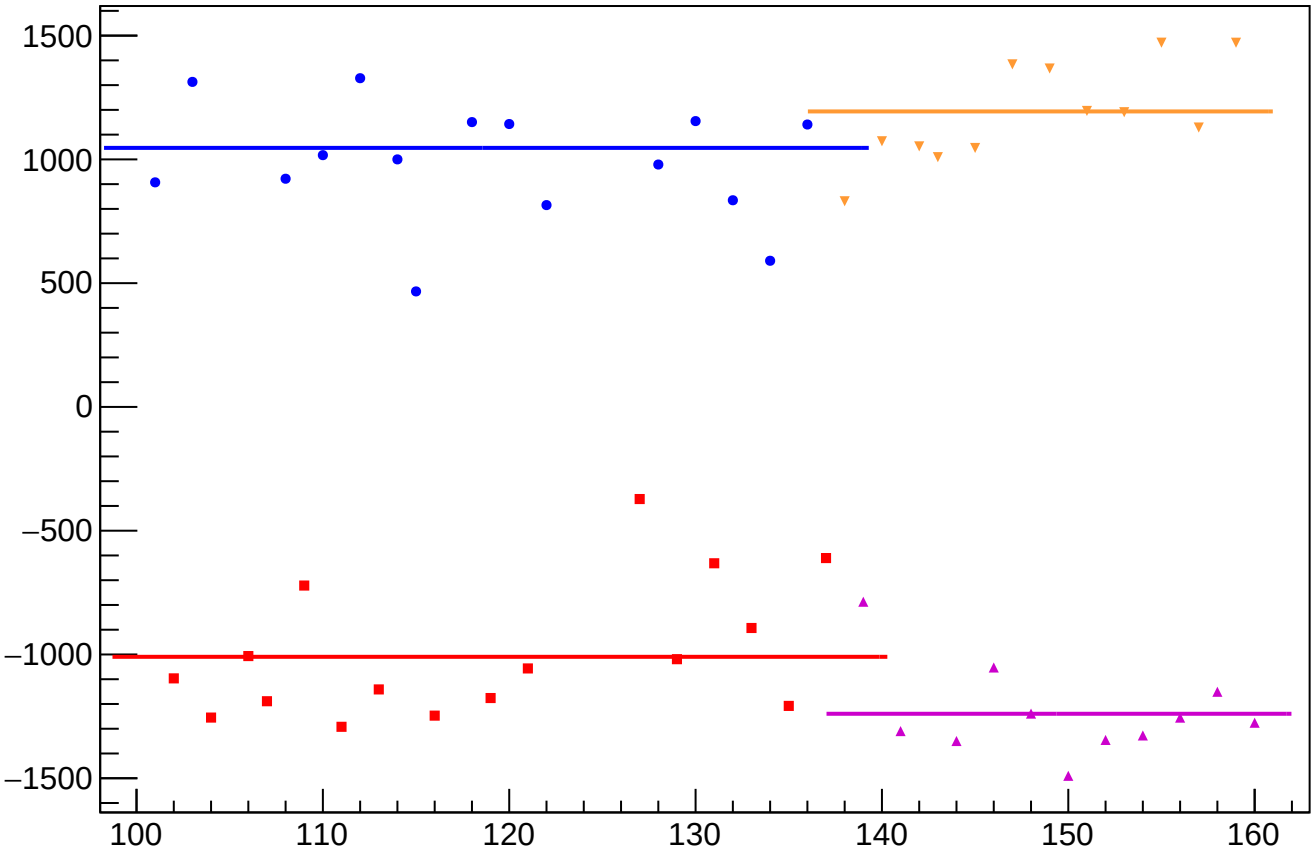
Right Out: -1.462+/-0.000 $\chi^2$/NDF: 444384511662519040022371754835968.0/15

Out: 0.451+/-0.000 $\chi^2$/NDF:47521424919016649 0

Left In: -1.879+/-0.000 $\chi^2$/NDF:90968052268112309617342982127616.0/10

All: 0.024+/-0.000 $\chi^2$/NDF: 1089396040046 2

# dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected




Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267

Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527

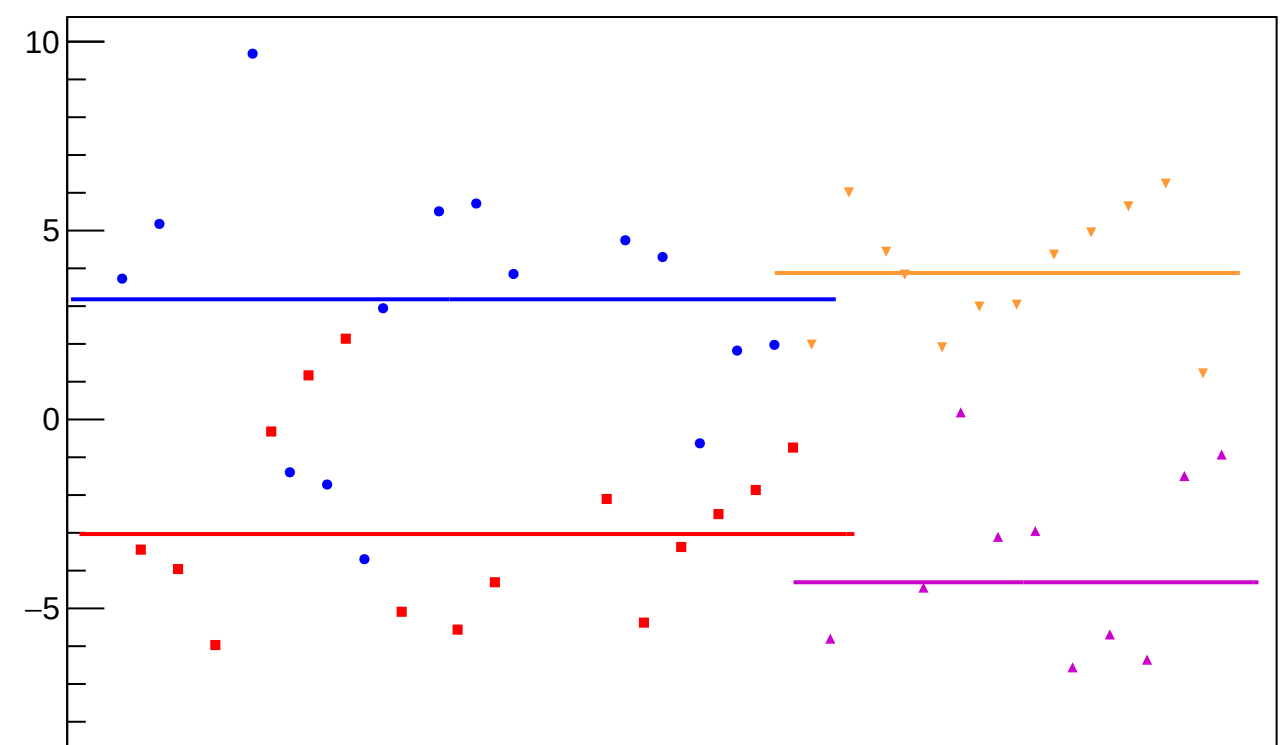
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556 9

Left In: -1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_4eY_coil1_mean vs Slug, Sign Corrected




Left: -0.237+/-0.000 $\chi^2$/NDF: 40330727078704471

Right In: 3.181+/-0.000 $\chi^2$/NDF: 58333032278682526177045663941918 72.0/14

Right: 0.032+/-0.000 $\chi^2$/NDF: 23467771565313990

Left Out: 3.878+/-0.000 $\chi^2$/NDF:246358464028915850445921989741772 8.0/11

In: -1.218+/-0.000 $\chi^2$/NDF:342914810766388262

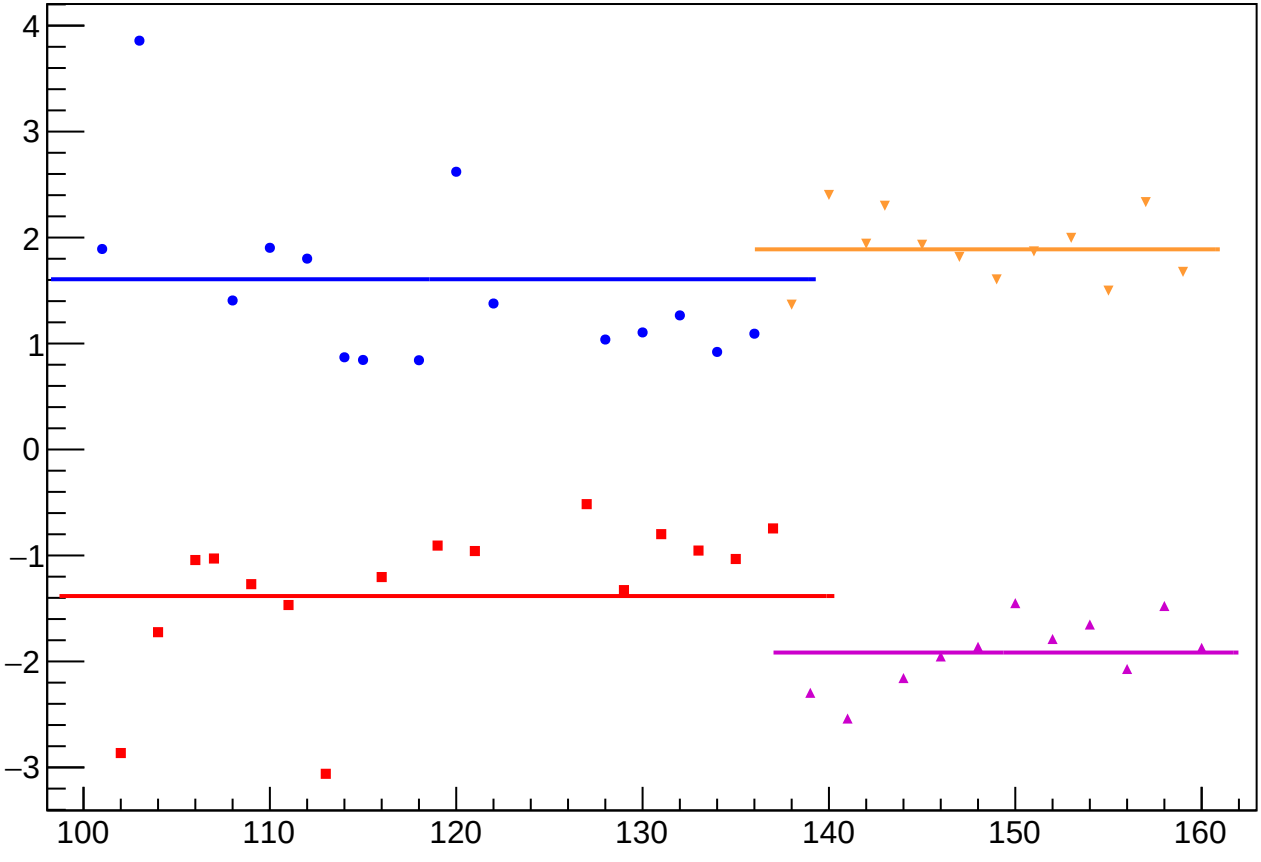
Right Out: -3.032+/-0.000 $\chi^2$/NDF: 49372098313717939454965468333342 72.0/15

Out: 0.963+/-0.000 $\chi^2$/NDF:25811484949024746 6

Left In: -4.308+/-0.000 $\chi^2$/NDF:707349566769428035180316810700390 4.0/10

All: -0.125+/-0.000 $\chi^2$/NDF: 6385427084403

# dit_4eY_coil1_err_mean vs Slug, Sign Corrected




Left: -0.024+/-0.000 $\chi^2$/NDF: 6841688132023848

Right In: 1.607+/-0.000 $\chi^2$/NDF: 460949628640148184181205735833600.0/14

Right: 0.091+/-0.000 $\chi^2$/NDF: 3759027904529624

Left Out: 1.889+/-0.000 $\chi^2$/NDF:9409732606406618817758724148428 8.0/11

In: -0.463+/-0.000 $\chi^2$/NDF:5286971171108857

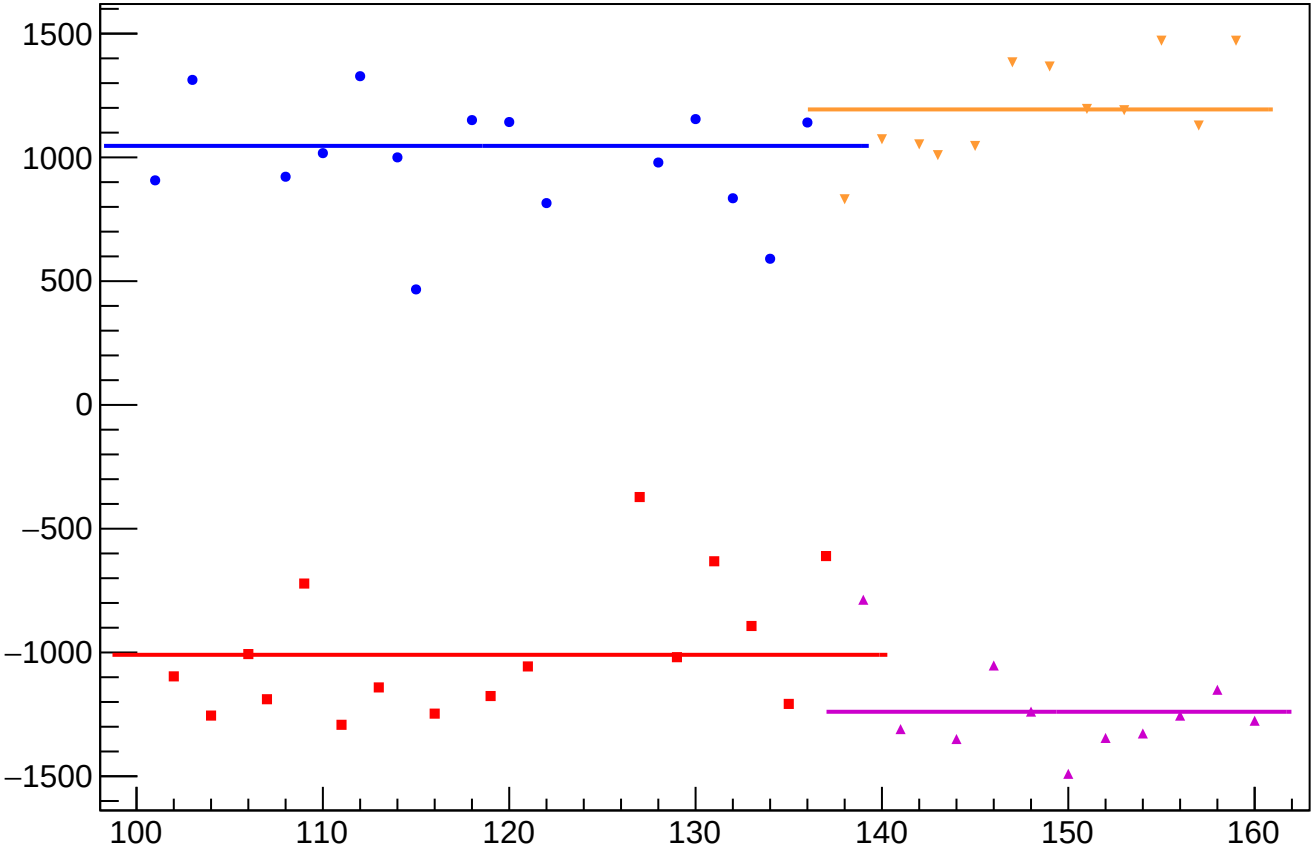
Right Out: -1.383+/-0.000 $\chi^2$/NDF: 358348897016286200957650337792000.0/15

Out: 0.509+/-0.000 $\chi^2$/NDF:4580158091435644

Left In: -1.916+/-0.000 $\chi^2$/NDF:952765158090162098756996919459 84.0/10

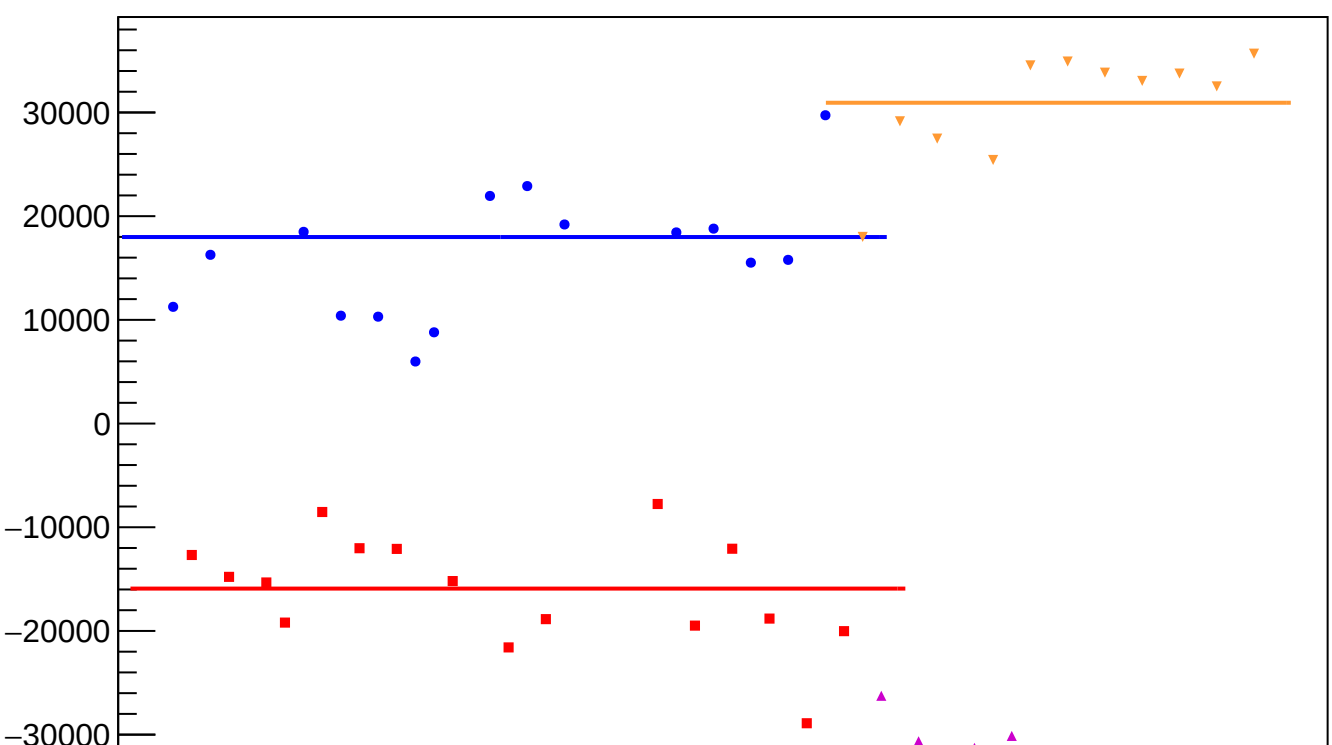
All: 0.024+/-0.000 $\chi^2$/NDF: 1061091914309

# dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected



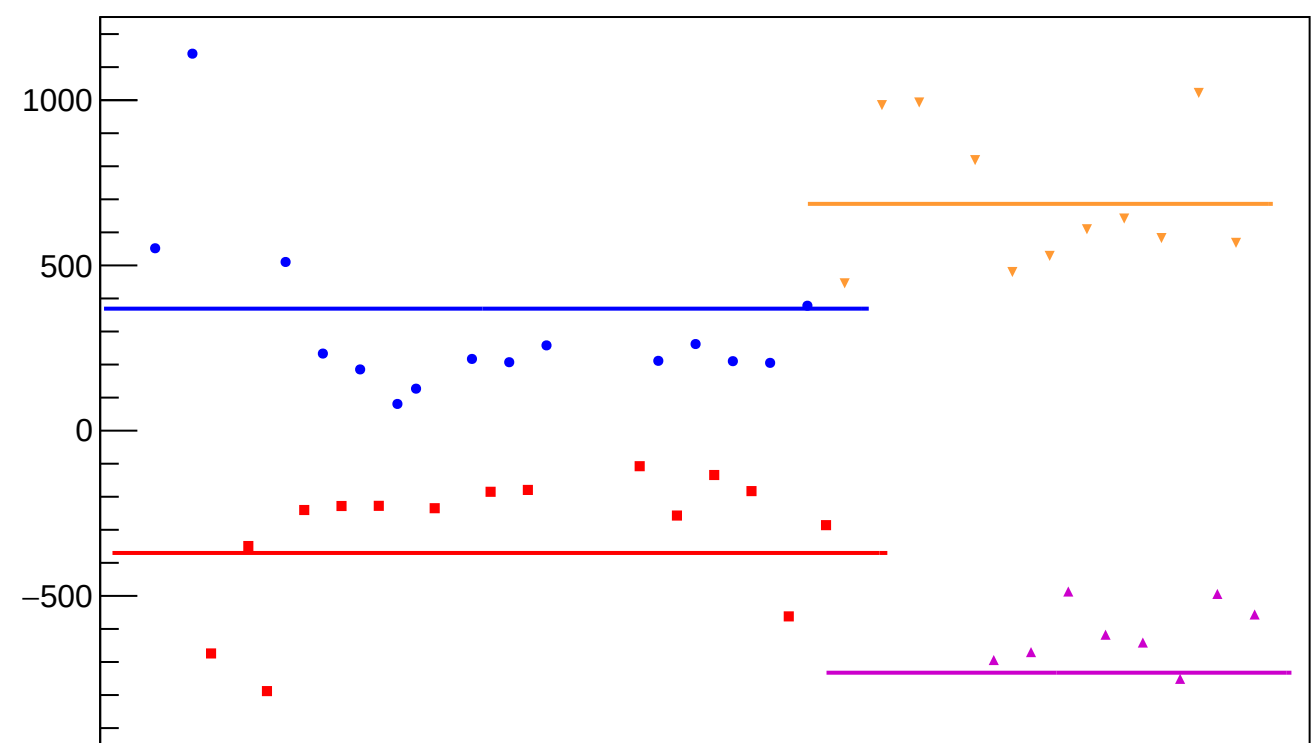

Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 24866624766048512267031234680614551552.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 14598494086105576
Left Out: 1193.726+/-0.000 $\chi^2$/NDF:34388618994267285012310712301196935168.0/11
In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 44602783681728168935494176019868286976.0/15
Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556
Left In: -1239.553+/-0.000 $\chi^2$/NDF:29116180330425505242594030704390045696.0/10
All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_usl_coil1_mean vs Slug, Sign Corrected



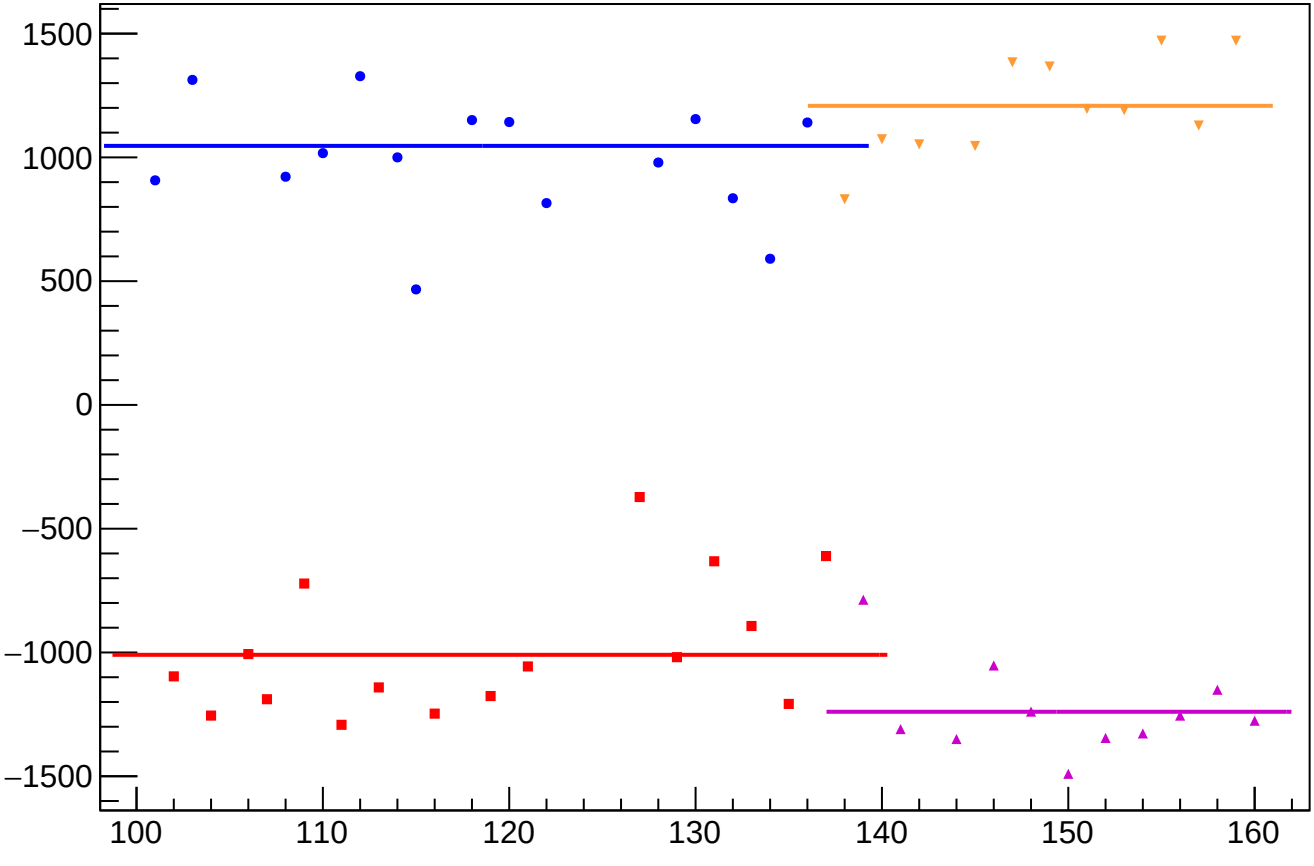

Left: -2133.218+/-0.000 $\chi^2$/NDF: 18043574400904
Right In: 17988.185+/-0.000 $\chi^2$/NDF: 248151118099842171035440012375529525084 16.0/14
Right: 804.617+/-0.000 $\chi^2$/NDF: 422864756621879
Left Out: 30938.190+/-0.000 $\chi^2$/NDF:222312016952578697732753691000223951749 12.0/10
In: -11639.062+/-0.000 $\chi^2$/NDF:10011854186963
Right Out: -15915.227+/-0.000 $\chi^2$/NDF: 199541896747059527070422874160872239923 20.0/15
Out: 10296.691+/-0.000 $\chi^2$/NDF:8613400565177 2
Left In: -32448.675+/-0.000 $\chi^2$/NDF:6566176061380629796456552080625585094656.0/10
All: -880.808+/-0.000 $\chi^2$/NDF: 22337383681

# dit_usl_coil1_err_mean vs Slug, Sign Corrected




Left: -53.927+/-0.000 $\chi^2$/NDF: 9637444088890032
Right In: 369.169+/-0.000 $\chi^2$/NDF: 48053036789565485994195833341370957824.0/14
Right: -5.517+/-0.000 $\chi^2$/NDF: 2760339889261500
Left Out: 686.240+/-0.000 $\chi^2$/NDF:3441723616784298376615921256251365785 6.0/10
In: -277.915+/-0.000 $\chi^2$/NDF:5506122743016459
Right Out: -370.091+/-0.000 $\chi^2$/NDF: 482144629070521075430370371253169029 12.0/15
Out: 220.868+/-0.000 $\chi^2$/NDF:4990060425301362
Left In: -732.414+/-0.000 $\chi^2$/NDF:3994210584052911573656959695026388992 0.0/10
All: -33.290+/-0.000 $\chi^2$/NDF: 124154771081

# dit_usl_coil1_Ndata_mean vs Slug, Sign Corrected




Left: -68.820+/-0.000 $\chi^2$/NDF: 2709064239069646

Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6

Left Out: 1208.342+/-0.000 $\chi^2$/NDF:319202709490654562159551156367015280 64.0/10

In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527

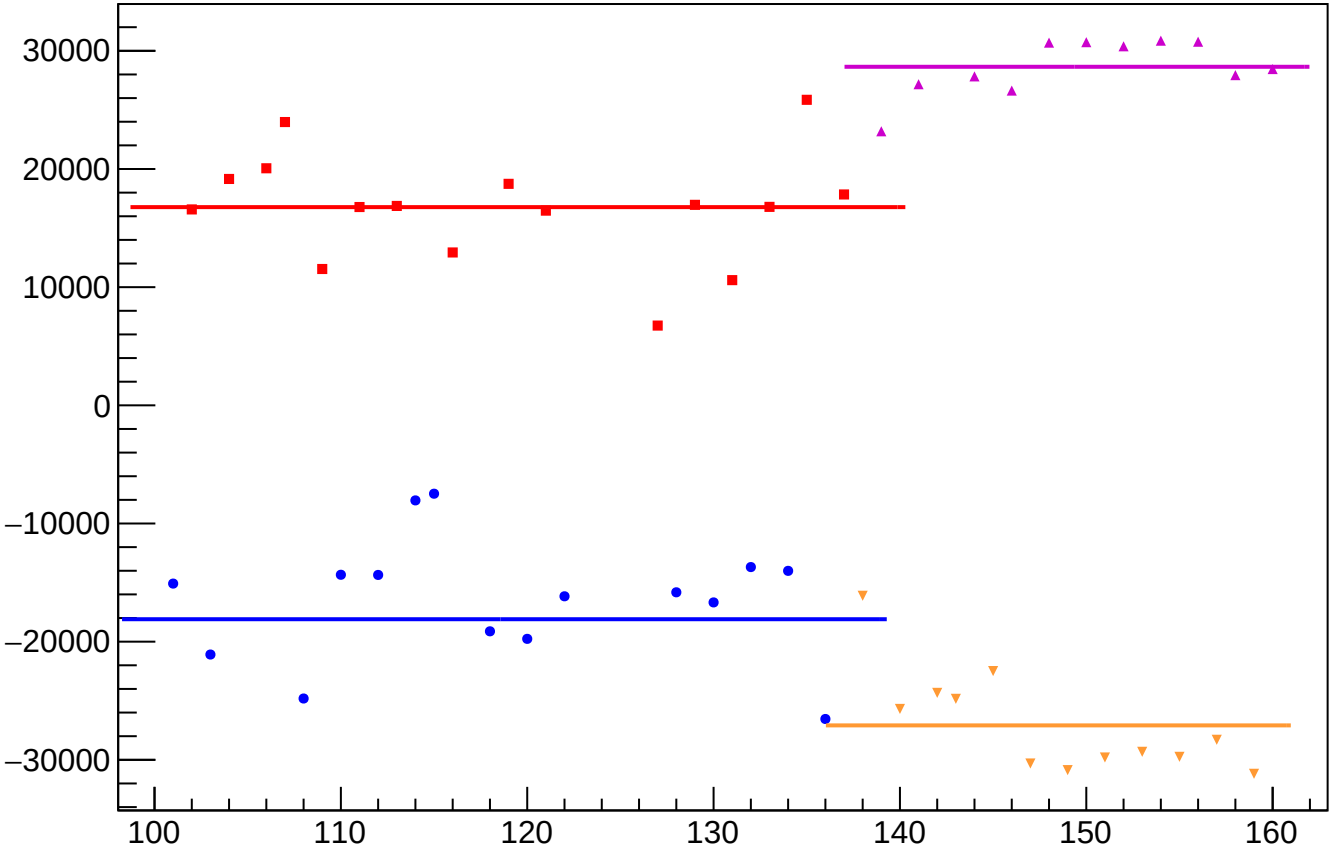
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

Out: 231.285+/-0.000 $\chi^2$/NDF:191189164590426 4

Left In: -1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

All: -37.580+/-0.000 $\chi^2$/NDF: 41729681517 4

# dit_usr_coil1_mean vs Slug, Sign Corrected




Left: 934.162+/-0.000 $\chi^2$/NDF: 1449134260498682

Right In: -18100.637+/-0.000 $\chi^2$/NDF: 14634967546173586967632040765428699496448.0/14

Right: -425.015+/-0.000 $\chi^2$/NDF: 42892863582613

Left Out: -27085.326+/-0.000 $\chi^2$/NDF:16913671790830002451724713056210492850176.0/11

In: 9361.516+/-0.000 $\chi^2$/NDF:8527147862381255

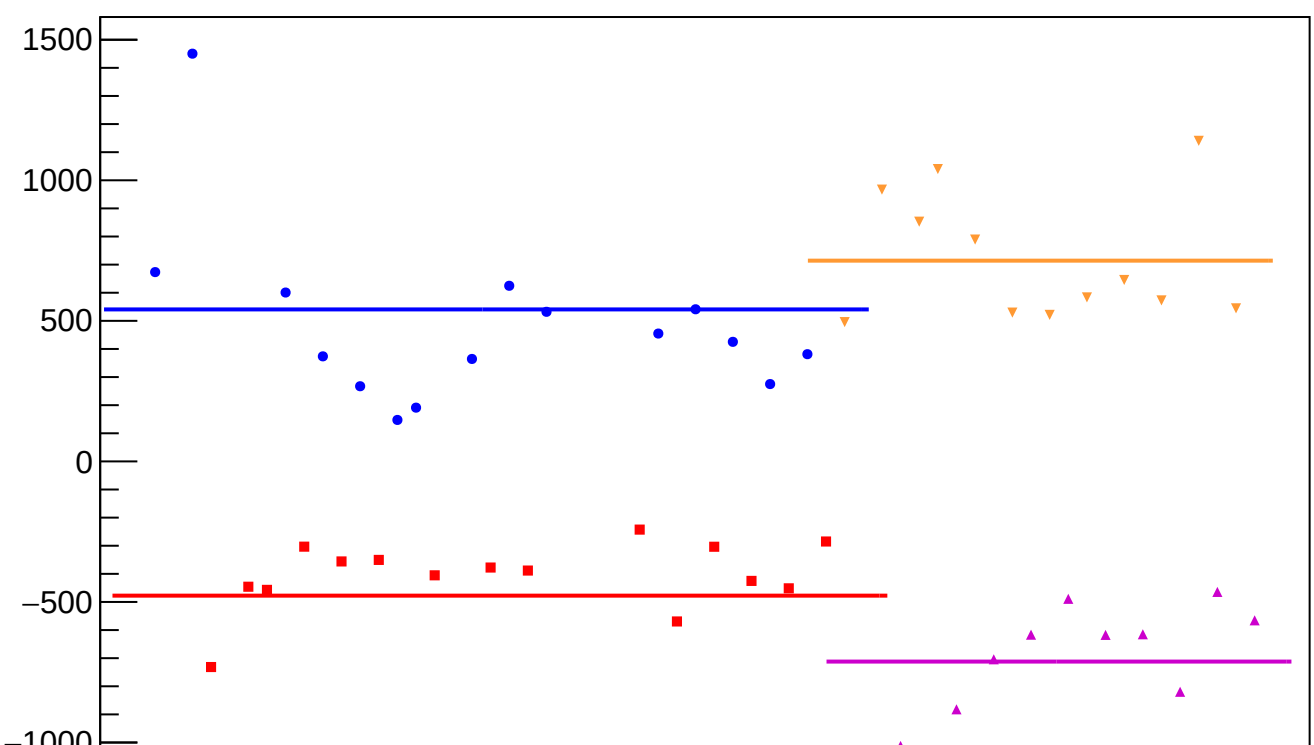
Right Out: 16773.604+/-0.000 $\chi^2$/NDF: 14234547931135812277474342886568366178304.0/15

Out: -8581.907+/-0.000 $\chi^2$/NDF:77289596182504

Left In: 28650.410+/-0.000 $\chi^2$/NDF:48388275359810808267259474743447655546 88.0/10

All: 367.048+/-0.000 $\chi^2$/NDF: 187947964191

# dit_usr_coil1_err_mean vs Slug, Sign Corrected




Right In: 540.663+/-0.000 $\chi^2$/NDF: 6454681969598677472167878508297584640 0.0/14

Left Out: 714.147+/-0.000 $\chi^2$/NDF:4316097547863146024857574592815615180 8.0/11

Right Out: -477.546+/-0.000 $\chi^2$/NDF: 3879830650429695446153711680976060416 0.0/15

Left In: -712.092+/-0.000 $\chi^2$/NDF:3409204592050328493642785510146021785 6.0/10

Left: -2.853+/-0.000 $\chi^2$/NDF: 10119212919667896

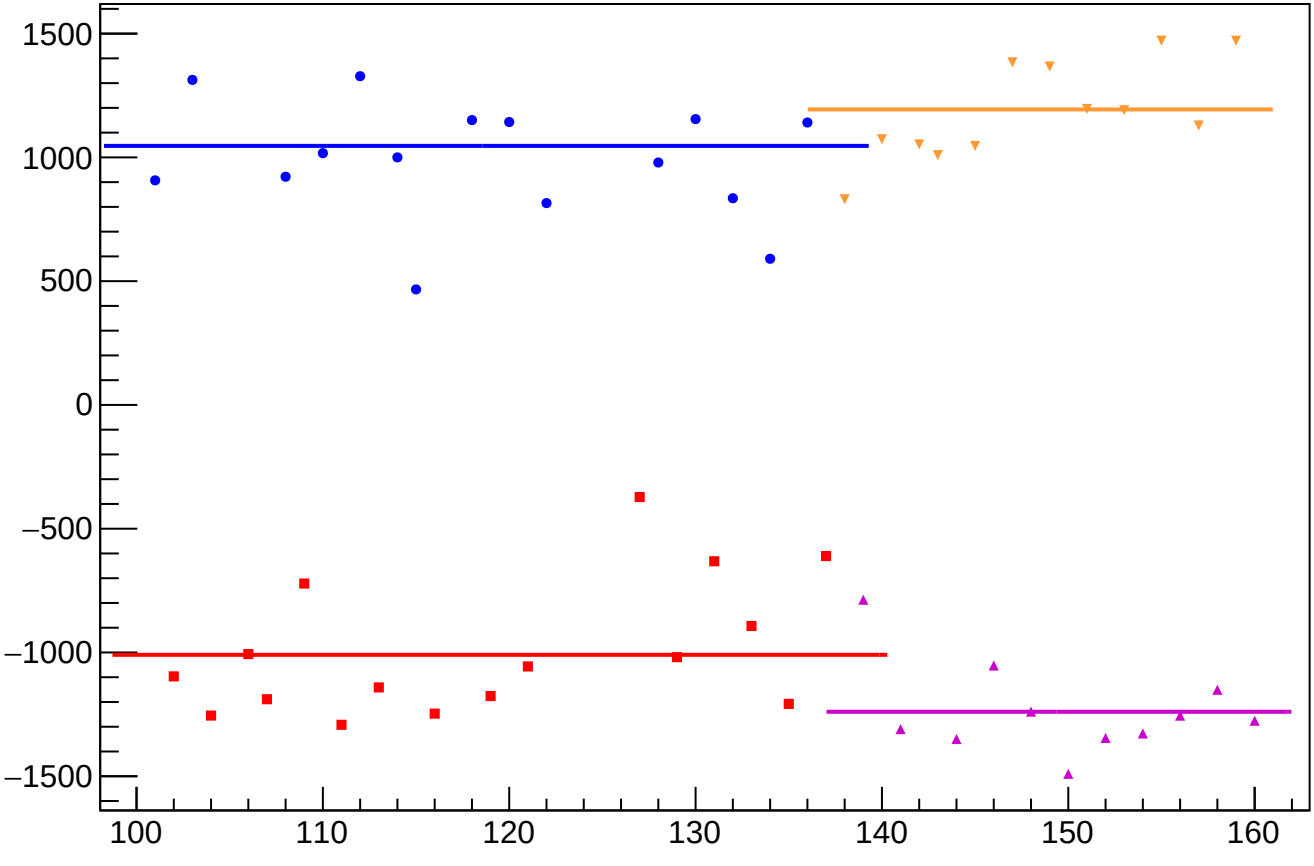
Right: 24.595+/-0.000 $\chi^2$/NDF: 4443717563002768

In: -195.221+/-0.000 $\chi^2$/NDF:6969405075379816

Out: 211.390+/-0.000 $\chi^2$/NDF:6295663774355160

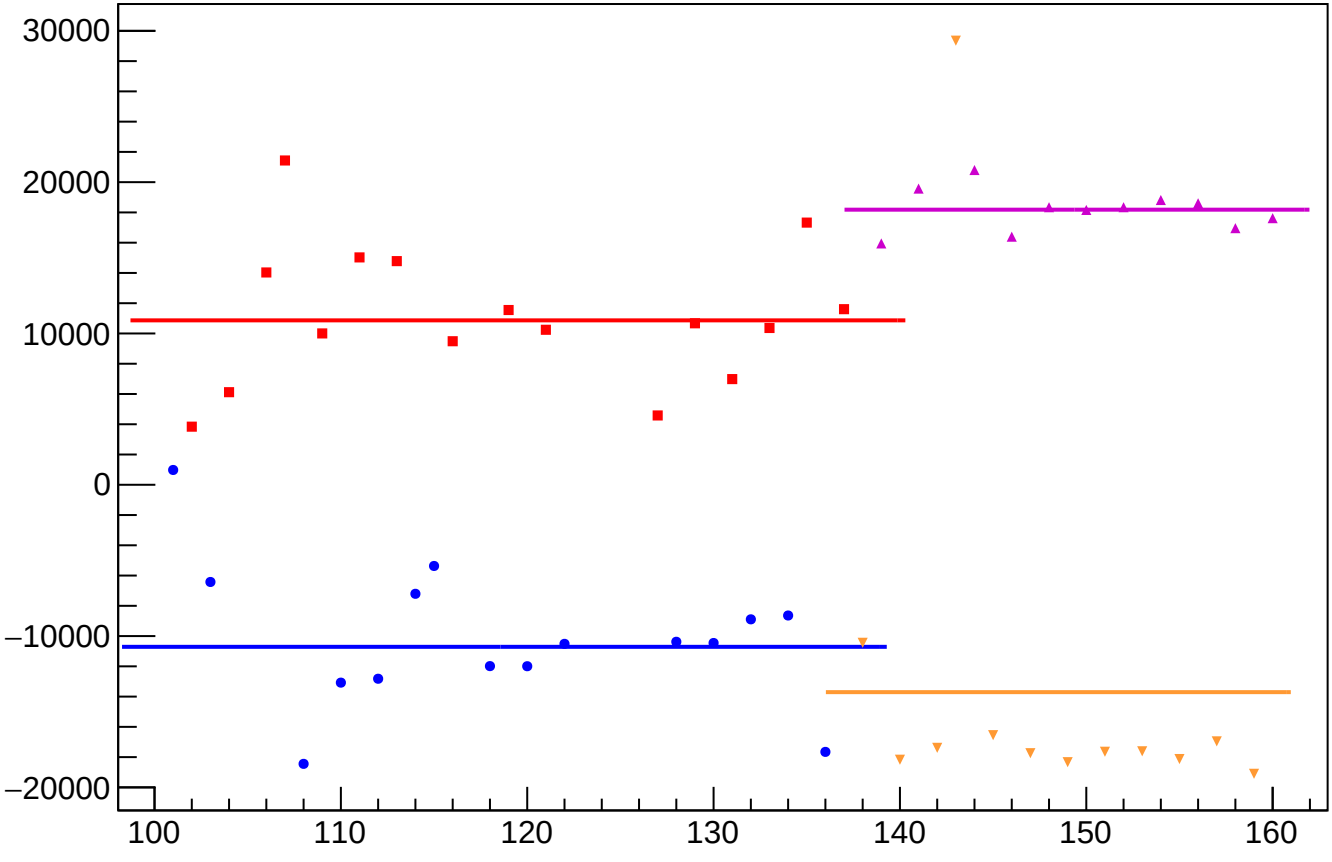
All: 8.600+/-0.000 $\chi^2$/NDF: 14568707976042

# dit_usr_coil1_Ndata_mean vs Slug, Sign Corrected




Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 24866624766048512267031234680614551552.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 14598494086105576
Left Out: 1193.726+/-0.000 $\chi^2$/NDF:34388618994267285012310712301196935168.0/11
In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 44602783681728168935494176019868286976.0/15
Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556
Left In: -1239.553+/-0.000 $\chi^2$/NDF:29116180330425505242594030704390045696.0/10
All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_atl1_coil1_mean vs Slug, Sign Corrected




Left: 2324.752+/-0.000 $\chi^2$/NDF: 607066825649852

Right In: -10710.292+/-0.000 $\chi^2$/NDF: 169452261520535118404826184022501705646 08.0/14

Right: 225.546+/-0.000 $\chi^2$/NDF: 184316555733630

Left Out: -13705.488+/-0.000 $\chi^2$/NDF:138226511026527050662319693841079709204480.0/11

In: 6261.113+/-0.000 $\chi^2$/NDF:336815857232803 3

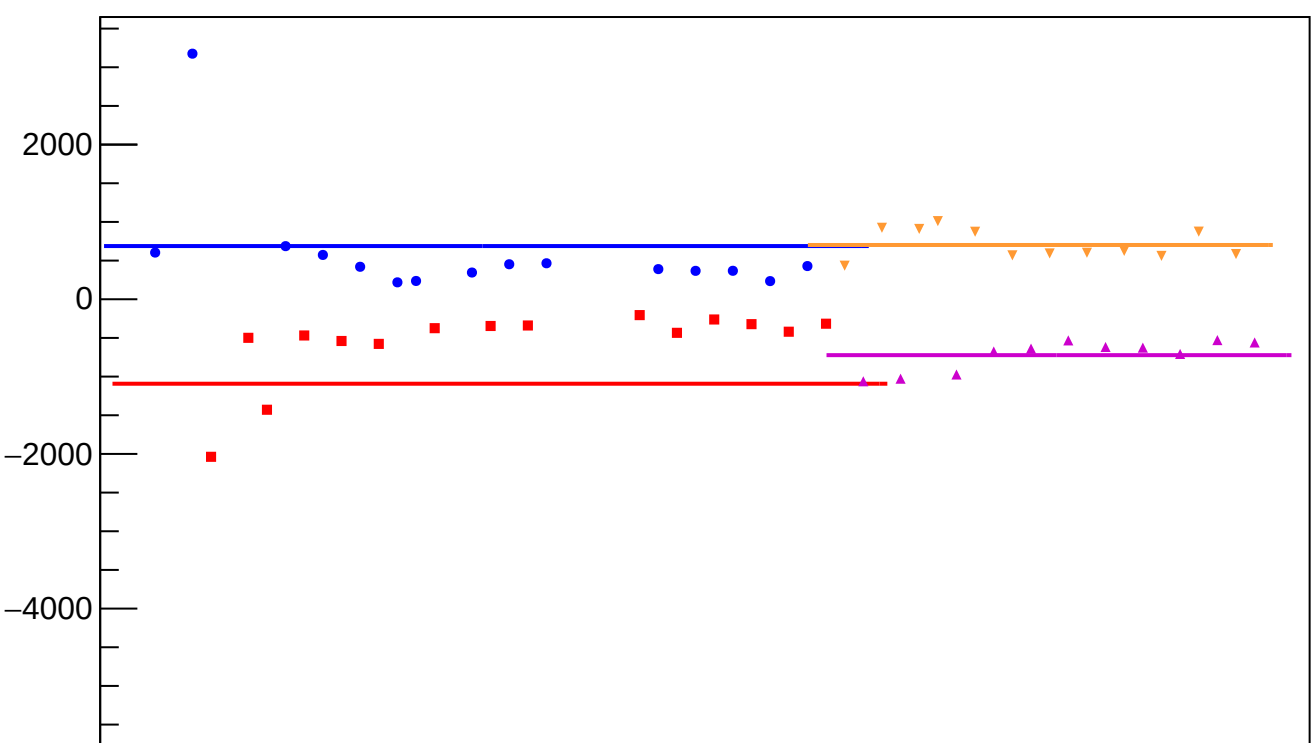
Right Out: 10866.264+/-0.000 $\chi^2$/NDF: 1423476283885838248452590164413162664755 2.0/15

Out: -3339.037+/-0.000 $\chi^2$/NDF:38527704471172

Left In: 18181.504+/-0.000 $\chi^2$/NDF:164361718357264786881891428916283834368 0.0/10

All: 1448.863+/-0.000 $\chi^2$/NDF: 7947628614 2

# dit_atl1_coil1_err_mean vs Slug, Sign Corrected




Left: -14.334+/-0.000 $\chi^2$/NDF: 9951844683767870

Right In: 687.939+/-0.000 $\chi^2$/NDF: 40929714110430150981775339075902478745 6.0/14

Right: -214.338+/-0.000 $\chi^2$/NDF: 33349422342847

Left Out: 701.825+/-0.000 $\chi^2$/NDF:290117524522646242642824485730988851 20.0/11

In: -140.714+/-0.000 $\chi^2$/NDF:1201648470022181

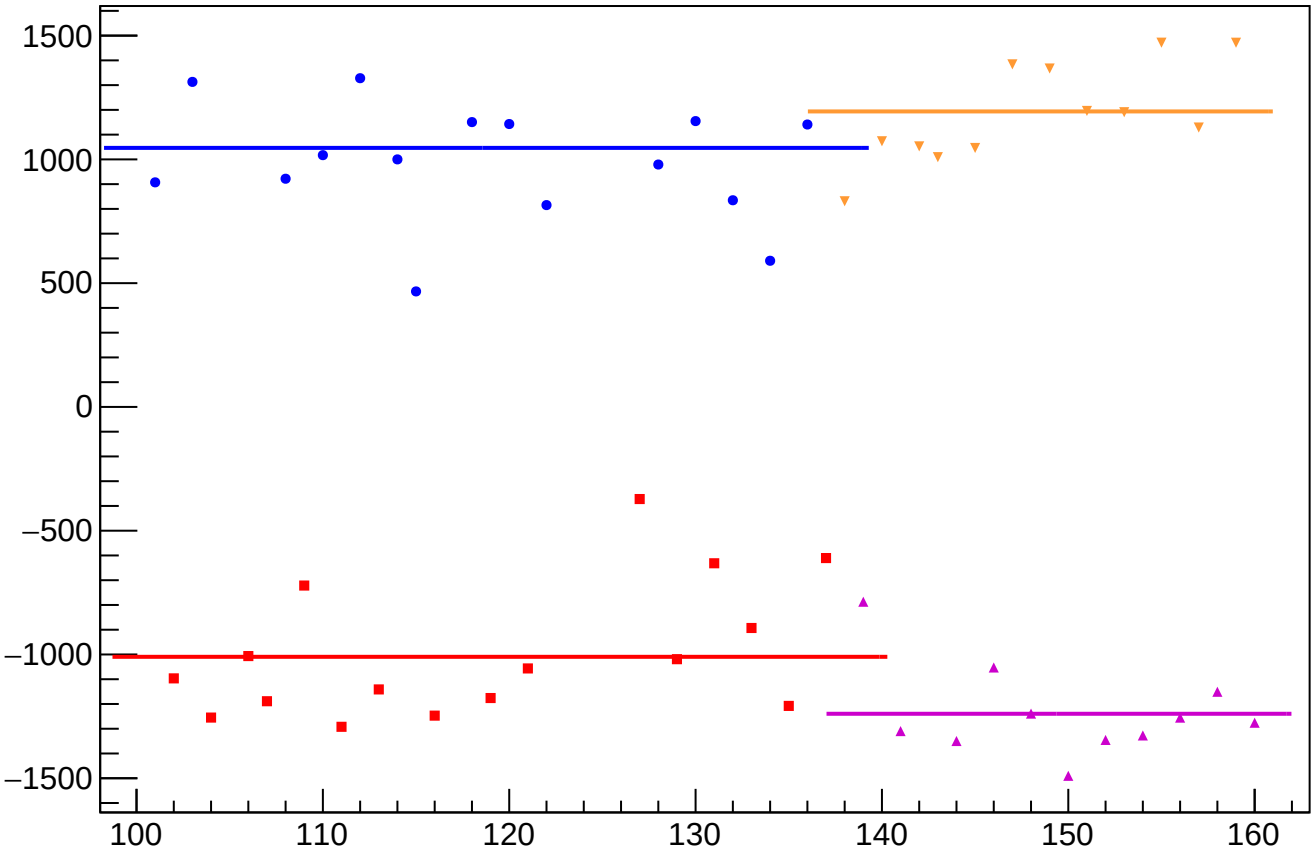
Right Out: -1092.265+/-0.000 $\chi^2$/NDF: 18831981429296058134562338129469484564 48.0/15

Out: -55.074+/-0.000 $\chi^2$/NDF:3153372442385616

Left In: -722.743+/-0.000 $\chi^2$/NDF:3369313711651394807786033041053528883 2.0/10

All: -97.785+/-0.000 $\chi^2$/NDF: 436080381727

# dit_atl1_coil1_Ndata_mean vs Slug, Sign Corrected




Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267

Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527

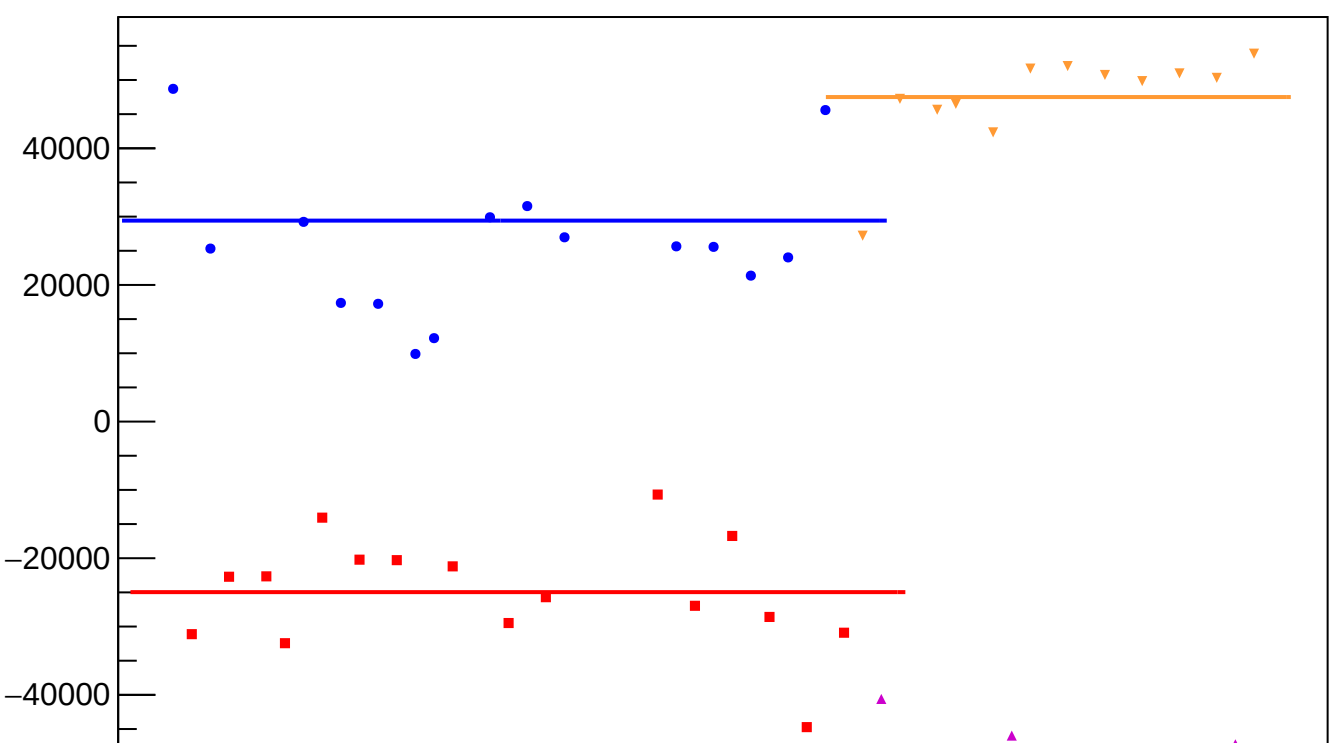
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556 9

Left In: -1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_atl2_coil1_mean vs Slug, Sign Corrected




Left: -1505.264+/-0.000 $\chi^2$/NDF: 44236547320359

Right In: 29415.830+/-0.000 $\chi^2$/NDF: 7176498963892808290677497975389480917401 6.0/14

Right: 1854.518+/-0.000 $\chi^2$/NDF: 10900867071107

Left Out: 47501.916+/-0.000 $\chi^2$/NDF:435917153349338016455651998367617667563 52.0/11

In: -17223.492+/-0.000 $\chi^2$/NDF:2488559220268 4

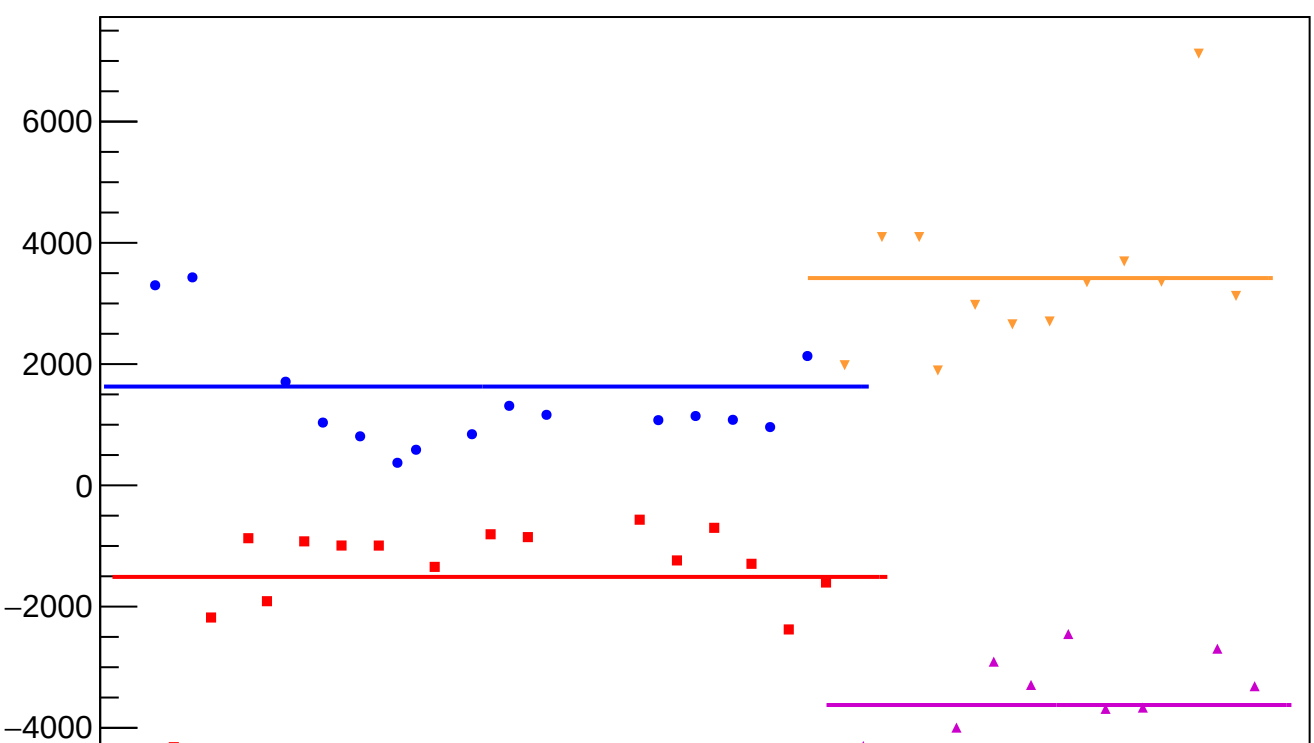
Right Out: -24963.010+/-0.000 $\chi^2$/NDF: 4563157292012217197283596168549431561 4208.0/15

Out: 16930.059+/-0.000 $\chi^2$/NDF:211408733919 29

Left In: -49982.063+/-0.000 $\chi^2$/NDF:135058210193056038461211213447179702108 16.0/10

All: -103.402+/-0.000 $\chi^2$/NDF: 5522398326 8

# dit_atl2_coil1_err_mean vs Slug, Sign Corrected




Right In: 1629.542+/-0.000 $\chi^2$/NDF: 5517385553550289021946978964371522191360/14

Left Out: 3418.927+/-0.000 $\chi^2$/NDF:1575515144069936231955966928879934767104.0/11

Right Out: -1510.293+/-0.000 $\chi^2$/NDF: 6882319040468162113217745246197456568 32.0/15

Left In: -3623.095+/-0.000 $\chi^2$/NDF:5377144503712695097191414112928409845 76.0/10

Left: -121.241+/-0.000 $\chi^2$/NDF: 248991886844976

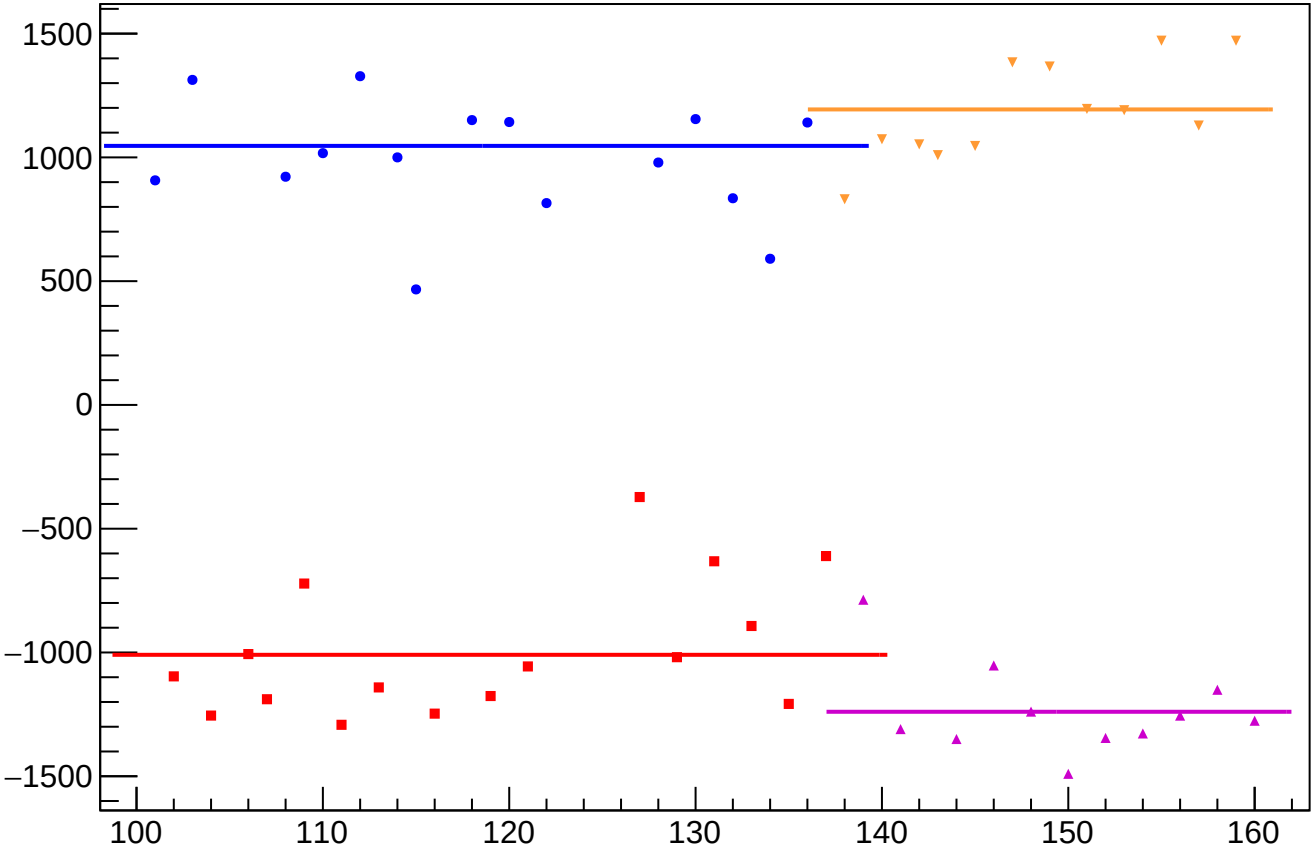
Right: 38.151+/-0.000 $\chi^2$/NDF: 4482831303964084

In: -1455.923+/-0.000 $\chi^2$/NDF:116076826116412

Out: 1339.363+/-0.000 $\chi^2$/NDF:116328176360275

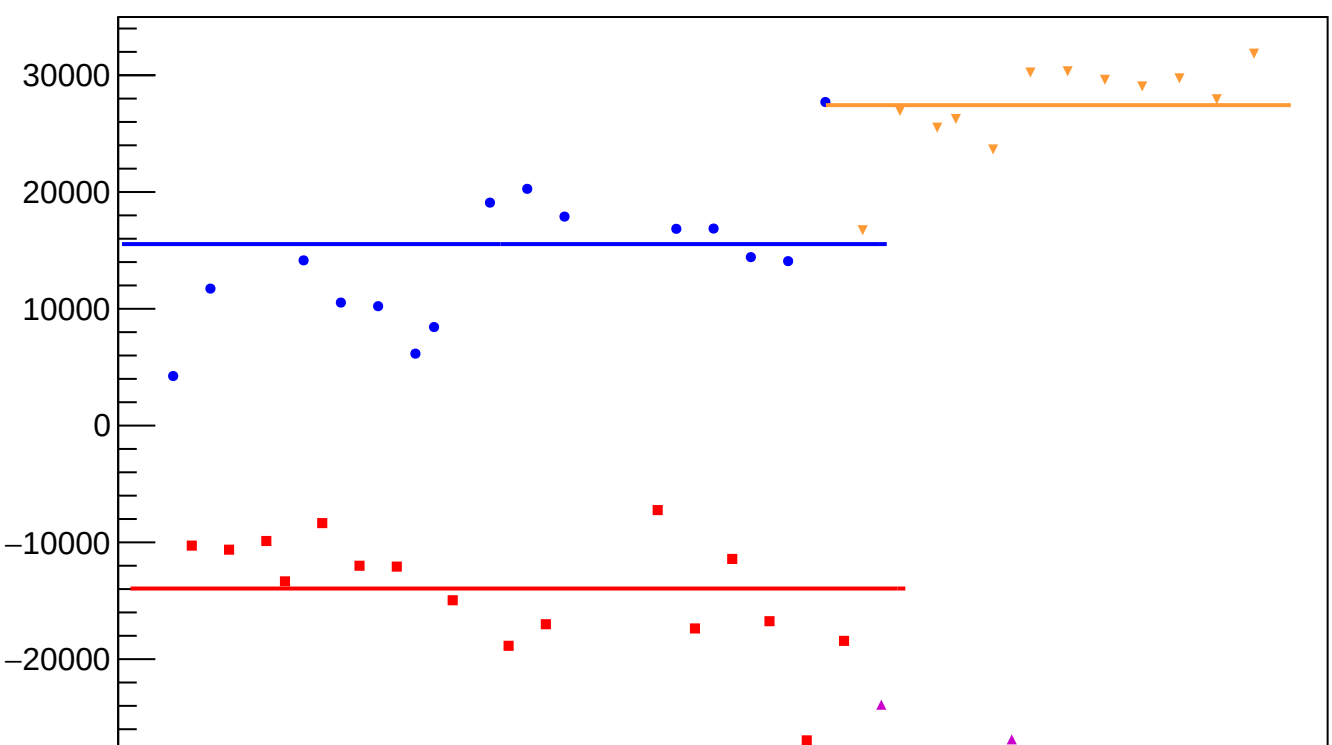
All: -54.735+/-0.000 $\chi^2$/NDF: 294015037802

# dit_atl2_coil1_Ndata_mean vs Slug, Sign Corrected



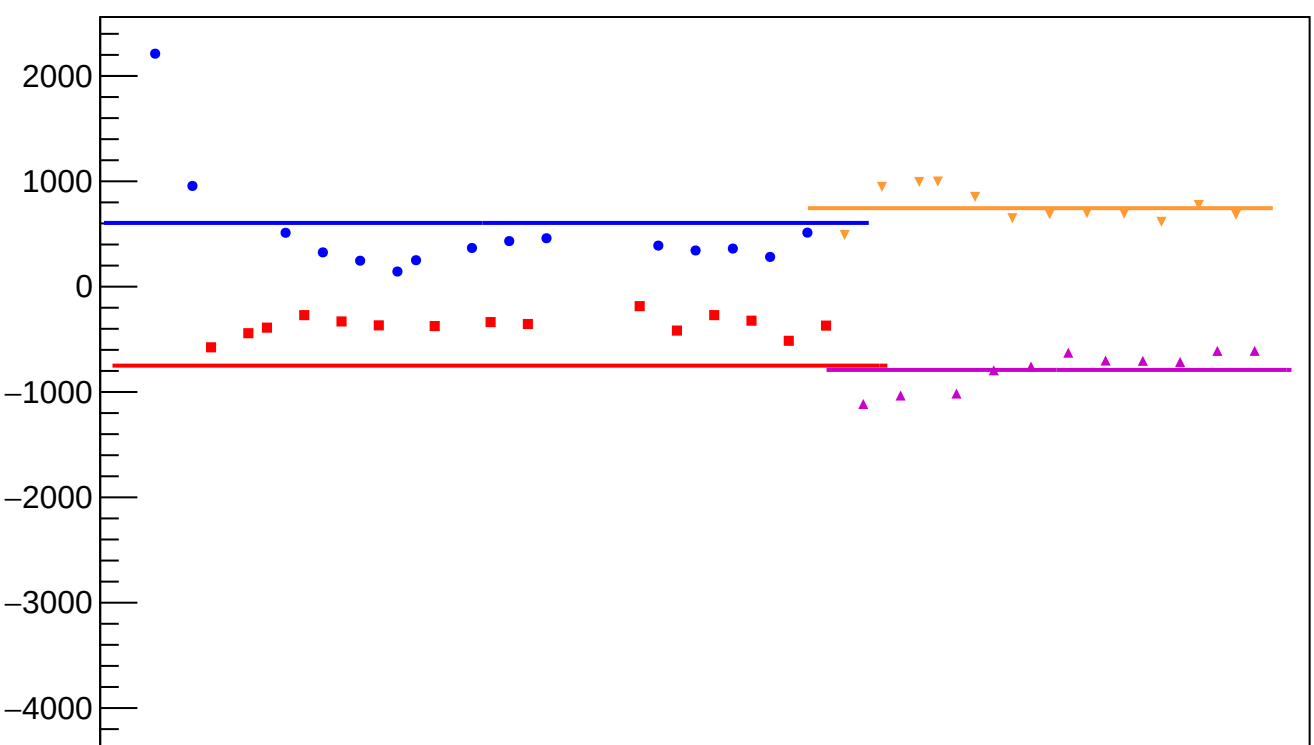

Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11
In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556 9
Left In: -1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10
All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_atr1_coil1_mean vs Slug, Sign Corrected



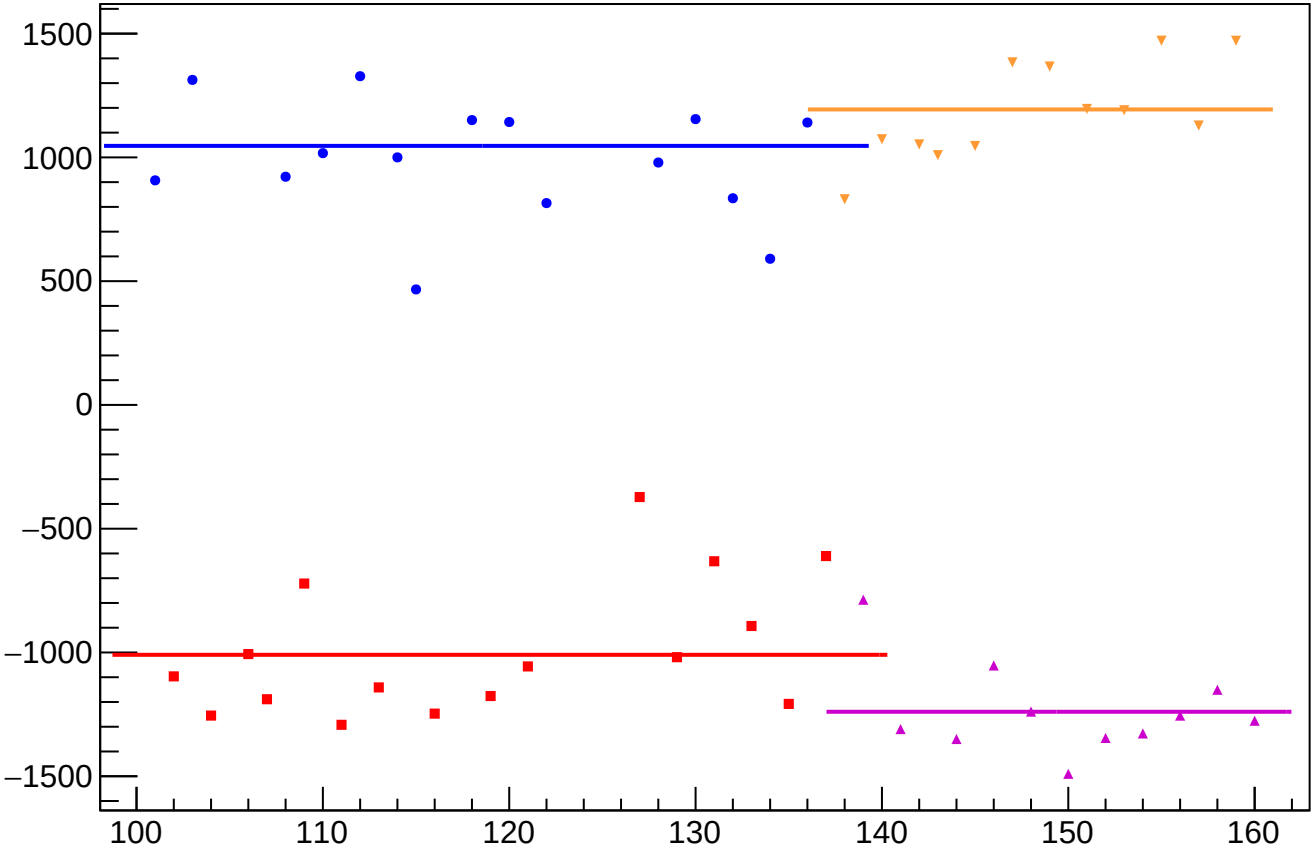

Left: -874.291+/-0.000 $\chi^2$/NDF: 147554500401251
Right In: 15540.787+/-0.000 $\chi^2$/NDF: 2738363588652360183237779538350971446886 4.0/14
Right: 592.797+/-0.000 $\chi^2$/NDF: 330452519024961
Left Out: 27439.616+/-0.000 $\chi^2$/NDF:1424702590887172581335108866881892646912 0.0/11
In: -10553.583+/-0.000 $\chi^2$/NDF:78345234476082
Right Out: -13951.799+/-0.000 $\chi^2$/NDF: 1695407103573958466461281343074810095206 4.0/15
Out: 9977.204+/-0.000 $\chi^2$/NDF:691834785196318
Left In: -28881.771+/-0.000 $\chi^2$/NDF:3761764043421234560623243625754374701056.0/10
All: -262.152+/-0.000 $\chi^2$/NDF: 18076481618

# dit_atr1_coil1_err_mean vs Slug, Sign Corrected



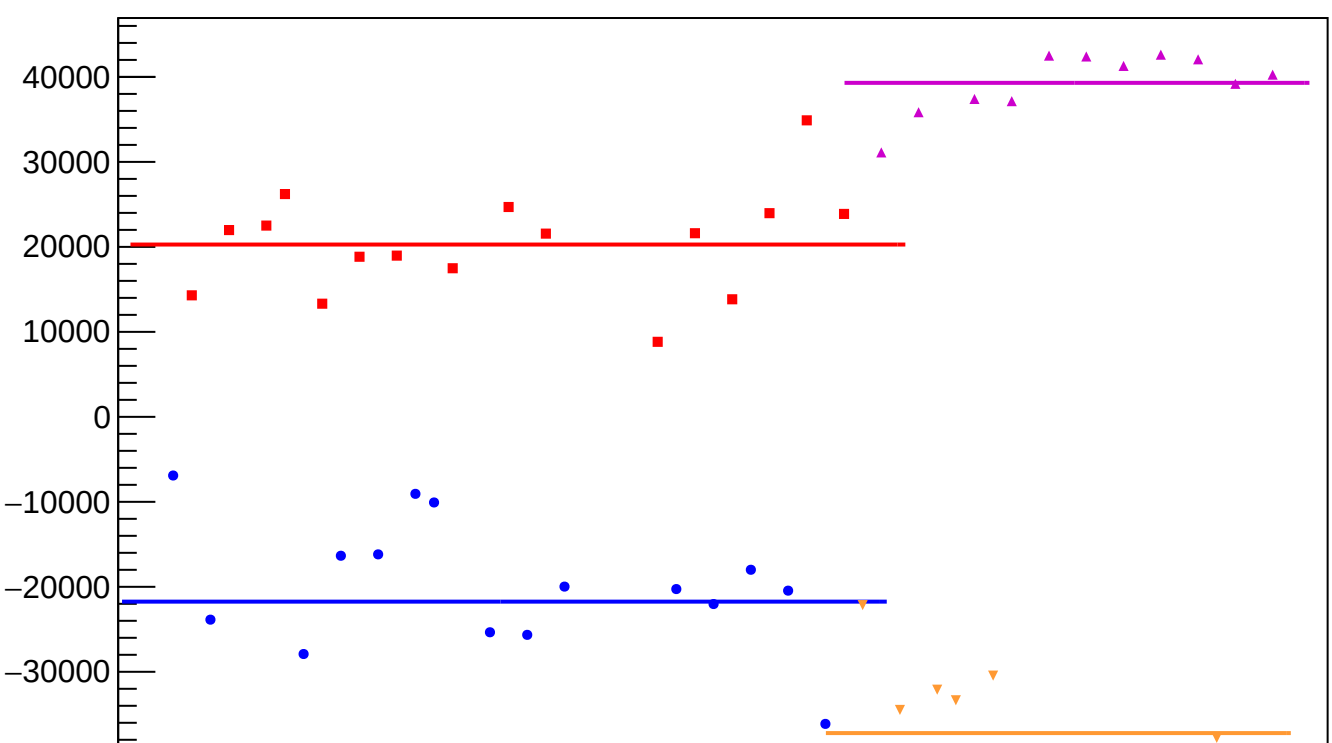

Left: -26.826+/-0.000 $\chi^2$/NDF: 1129978912753072
Right In: 605.034+/-0.000 $\chi^2$/NDF: 1894015227916076144486001577233628528 64.0/14
Right: -81.538+/-0.000 $\chi^2$/NDF: 181435748538570
Left Out: 744.985+/-0.000 $\chi^2$/NDF:1957145398427896171993624787054444126 72.0/11
In: -214.593+/-0.000 $\chi^2$/NDF:958999774632181 4
Right Out: -749.582+/-0.000 $\chi^2$/NDF: 1021358768377495935693748779804344188928.0/15
Out: 114.449+/-0.000 $\chi^2$/NDF:190226279150661 6
Left In: -790.283+/-0.000 $\chi^2$/NDF:2737599516301156010134916694943780044 8.0/10
All: -49.654+/-0.000 $\chi^2$/NDF: 29466320745 7

# dit_atr1_coil1_Ndata_mean vs Slug, Sign Corrected



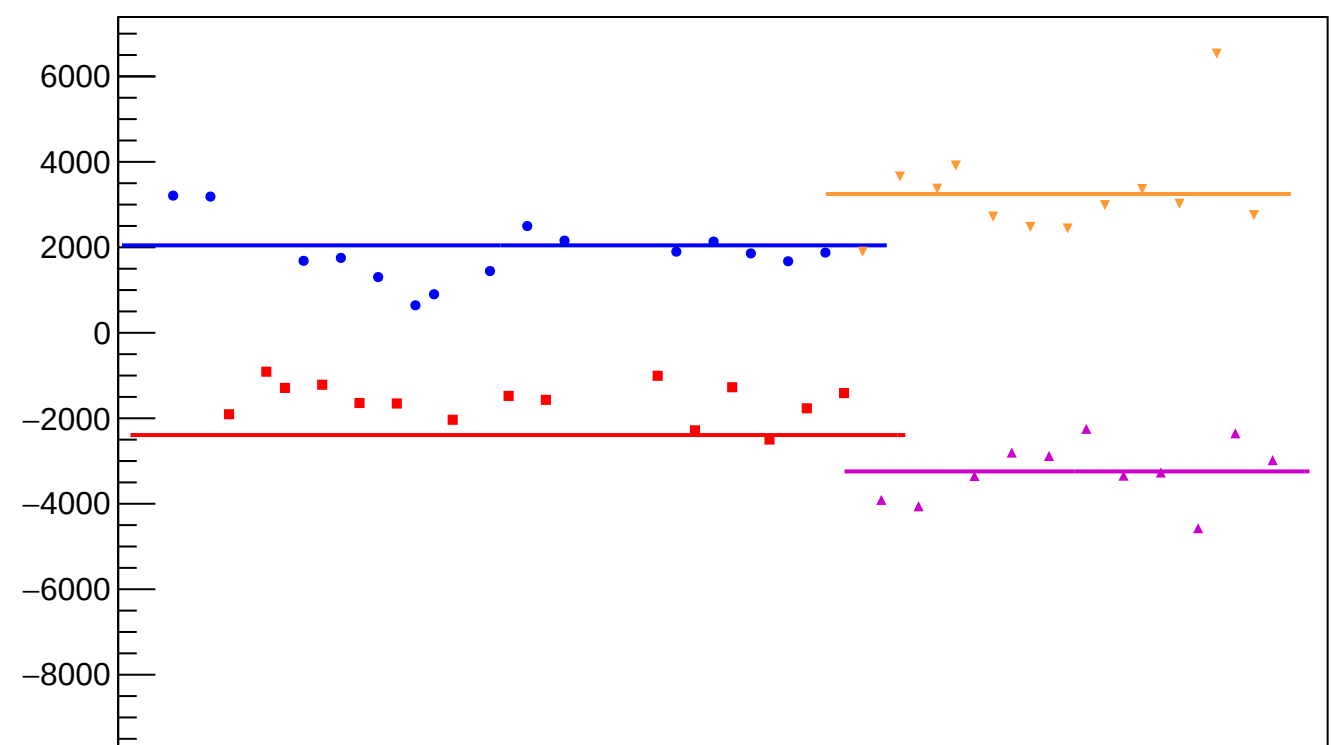

Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11
In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556 9
Left In: -1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10
All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_atr2_coil1_mean vs Slug, Sign Corrected



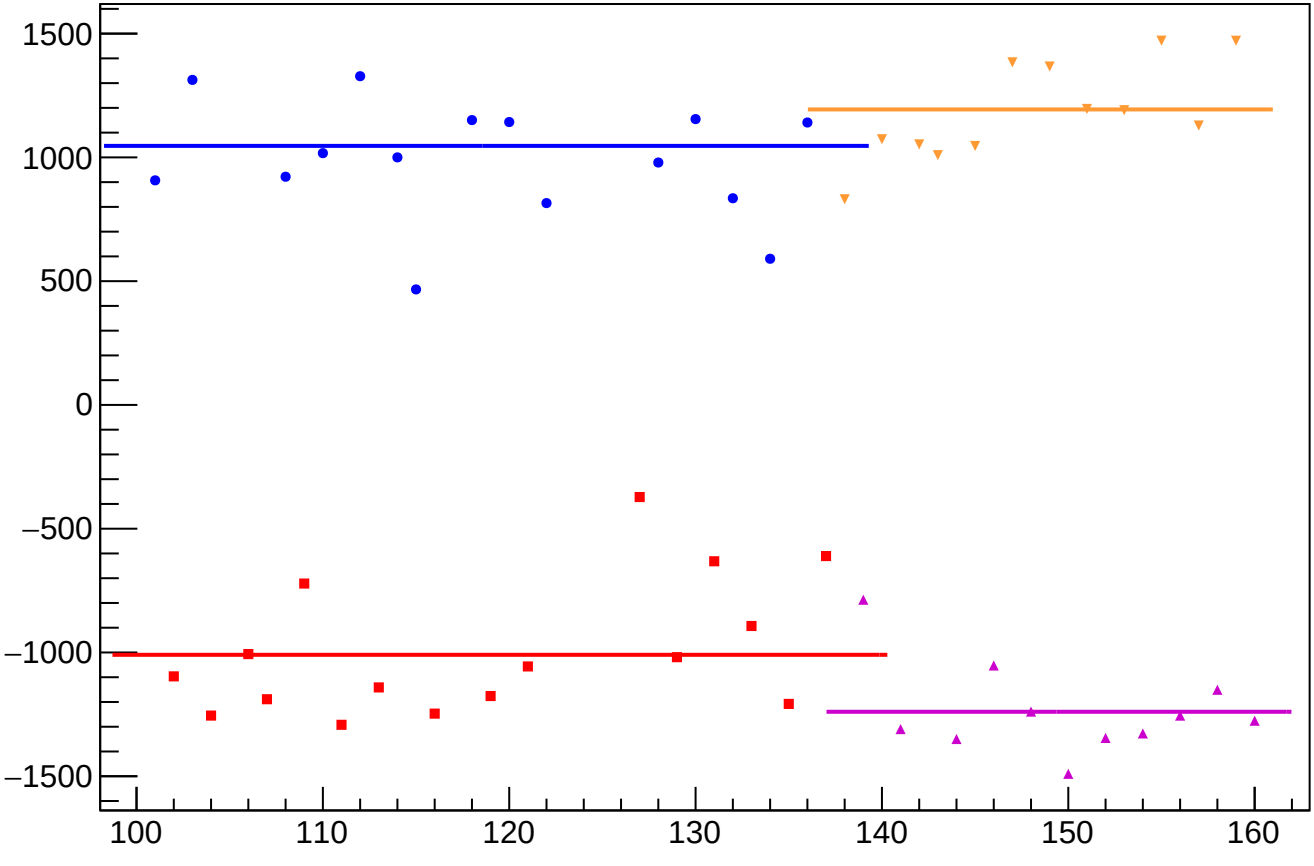

Left: 1253.360+/-0.000 $\chi^2$/NDF: 273699578436603
Right In: -21743.360+/-0.000 $\chi^2$/NDF: 411068588235795273251986756753987930685 44.0/14
Right: -446.610+/-0.000 $\chi^2$/NDF: 64780902874572
Left Out: -37210.761+/-0.000 $\chi^2$/NDF:362348135681012665019208459049455205744 64.0/11
In: 14114.985+/-0.000 $\chi^2$/NDF:147263048816292
Right Out: 20275.415+/-0.000 $\chi^2$/NDF: 259358691320929202316815324176273207459 84.0/15
Out: -12958.212+/-0.000 $\chi^2$/NDF:1336456927560
Left In: 39301.203+/-0.000 $\chi^2$/NDF:108905571958284806558508731561164522127 36.0/10
All: 544.051+/-0.000 $\chi^2$/NDF: 33870210816 3

# dit_atr2_coil1_err_mean vs Slug, Sign Corrected




Left: -14.745+/-0.000 $\chi^2$/NDF: 2098375424202943
Right In: 2046.354+/-0.000 $\chi^2$/NDF: 2665555159273488920368330583552263454 72.0/14
Right: -203.146+/-0.000 $\chi^2$/NDF: 11161426338405
Left Out: 3249.314+/-0.000 $\chi^2$/NDF:1190726211956001849078073092083852247040.0/11
In: -1060.961+/-0.000 $\chi^2$/NDF:113570353346731
Right Out: -2391.939+/-0.000 $\chi^2$/NDF: 4415294964789778815259357544579499819008.0/15
Out: 869.355+/-0.000 $\chi^2$/NDF:1787734182120147
Left In: -3243.479+/-0.000 $\chi^2$/NDF:4227523458095644148759411154532308090 88.0/10
All: -93.355+/-0.000 $\chi^2$/NDF: 321724014891

# dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected




Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267

Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527

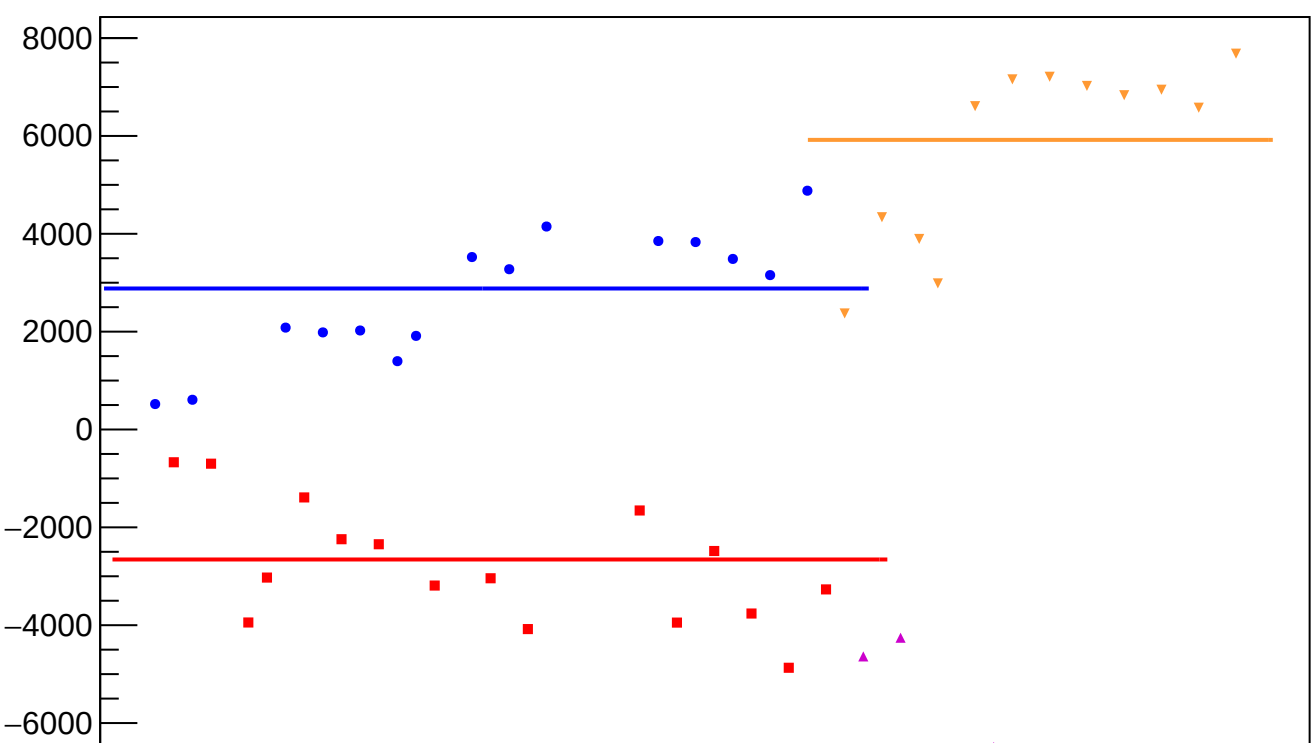
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556 9

Left In: -1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

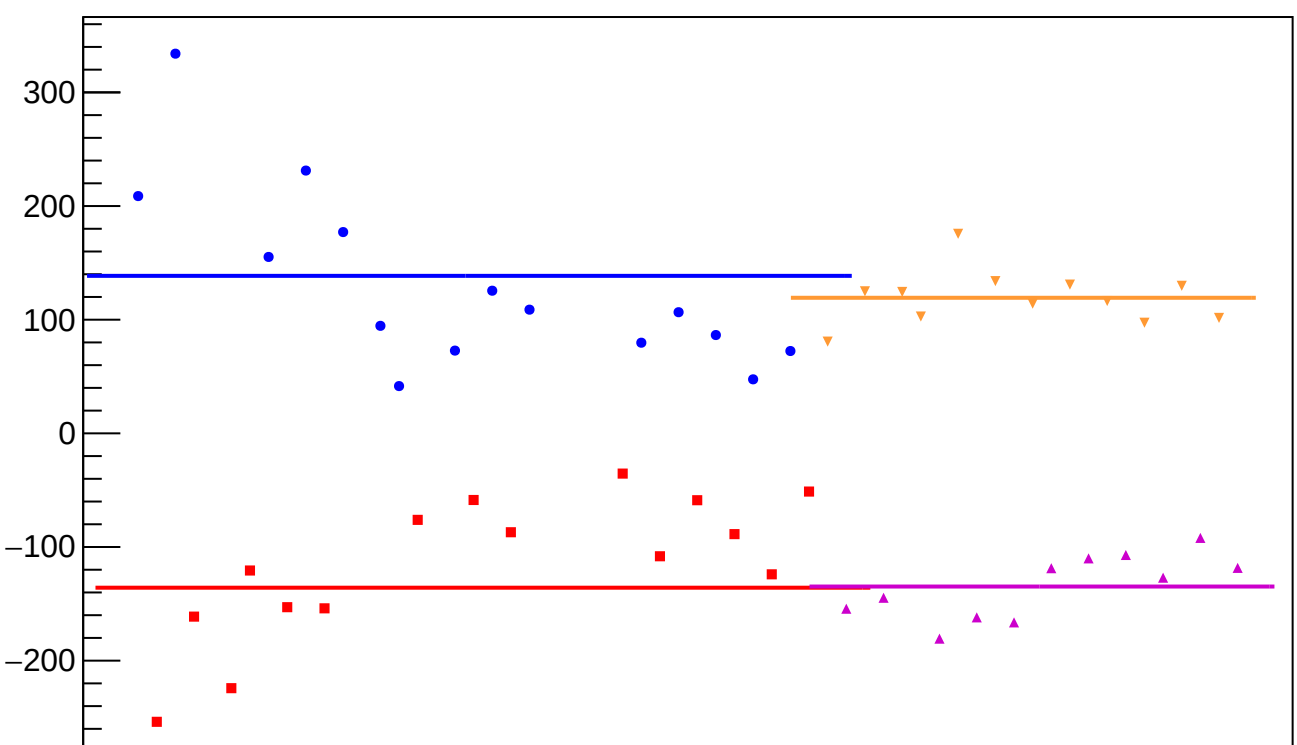
All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_sam1_coil1_mean vs Slug, Sign Corrected




Left: -338.449+/-0.000 $\chi^2$/NDF: 749205499962240
Right In: 2881.935+/-0.000 $\chi^2$/NDF: 1320319391496525533692082365878834823168.0/14
Right: 74.629+/-0.000 $\chi^2$/NDF: 1248948533864623
Left Out: 5919.511+/-0.000 $\chi^2$/NDF:27790727000248458270279812401769857679 36.0/11
In: -2645.979+/-0.000 $\chi^2$/NDF:360226231142325
Right Out: -2656.918+/-0.000 $\chi^2$/NDF: 1077696846216053561130716877125509447680.0/15
Out: 2301.245+/-0.000 $\chi^2$/NDF:32219834427088 1
Left In: -6528.681+/-0.000 $\chi^2$/NDF:9406198322905476612046415286949243781 12.0/10
All: -166.093+/-0.000 $\chi^2$/NDF: 8754089406 5

# dit_sam1_coil1_err_mean vs Slug, Sign Corrected




Left: -8.443+/-0.000 $\chi^2$/NDF: 30837594704815501

Right In: 138.577+/-0.000 $\chi^2$/NDF: 4242369889979811373883774021335515136.0/14

Right: -0.492+/-0.000 $\chi^2$/NDF: 3296375379571767

Left Out: 119.282+/-0.000 $\chi^2$/NDF:4878457793952178791538152939852922 88.0/11

In: -21.999+/-0.000 $\chi^2$/NDF:3342043565586624 5

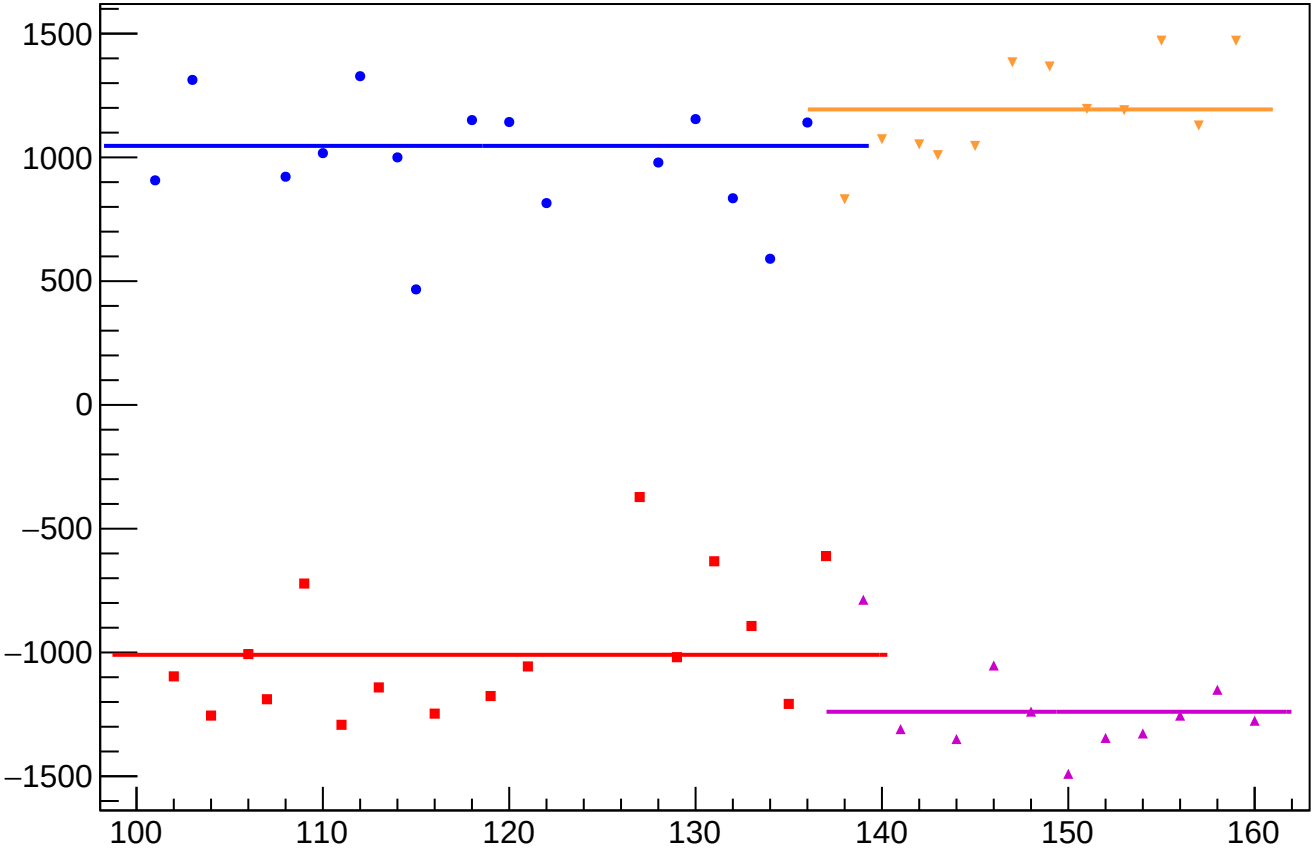
Right Out: -135.809+/-0.000 $\chi^2$/NDF: 3956401741862524263243160868173643776.0/15

Out: 11.663+/-0.000 $\chi^2$/NDF:2953589609078656 4

Left In: -134.785+/-0.000 $\chi^2$/NDF:6898086026323155390298606853926420 48.0/10

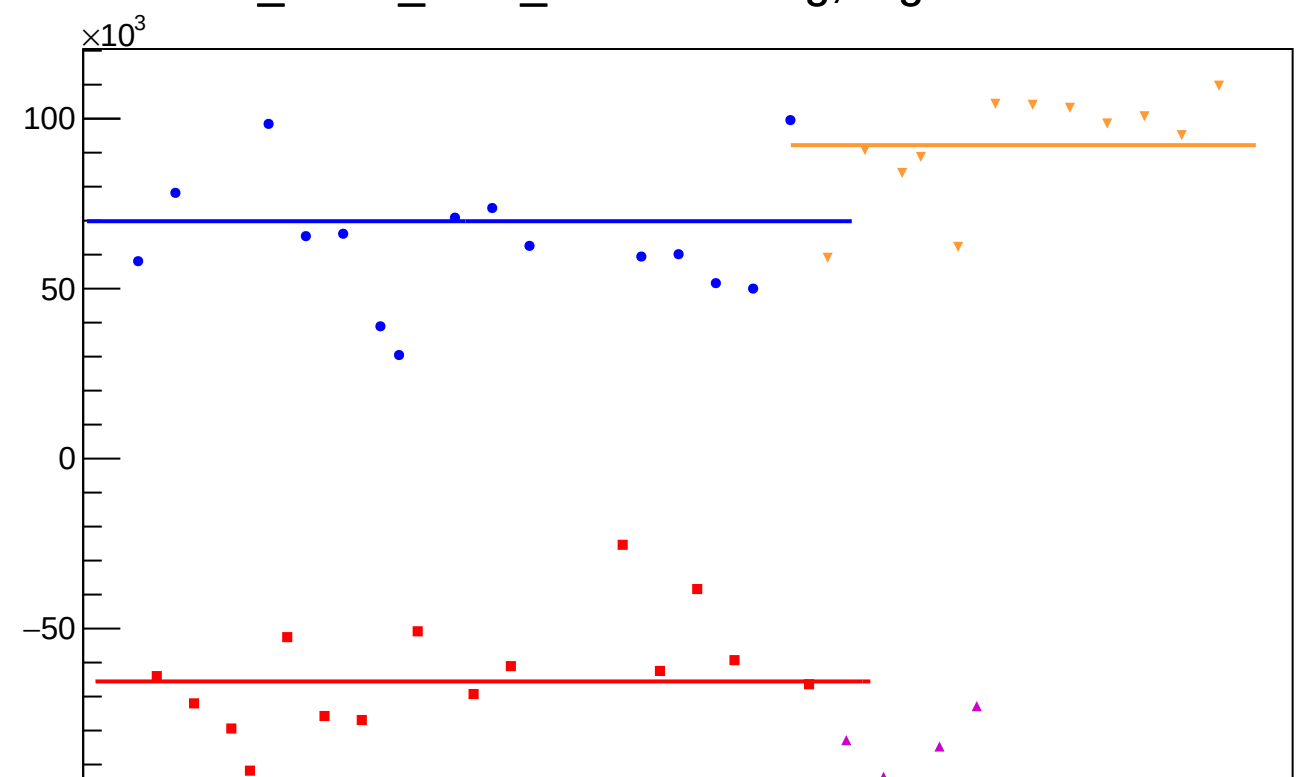
All: -5.125+/-0.000 $\chi^2$/NDF: 6384982584601

# dit_sam1_coil1_Ndata_mean vs Slug, Sign Corrected




Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11
In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556 9
Left In: -1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10
All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_sam2_coil1_mean vs Slug, Sign Corrected




Left: -2280.673+/-0.000 $\chi^2$/NDF: 16562150487200

Right In: 69827.797+/-0.000 $\chi^2$/NDF: 187803282116493131197684060541288926150656.0/14

Right: 1210.454+/-0.000 $\chi^2$/NDF: 64287668357099

Left Out: 92210.698+/-0.000 $\chi^2$/NDF:22657747665780758520208376768536028957900 8.0/11

In: -27434.339+/-0.000 $\chi^2$/NDF:10741931116501

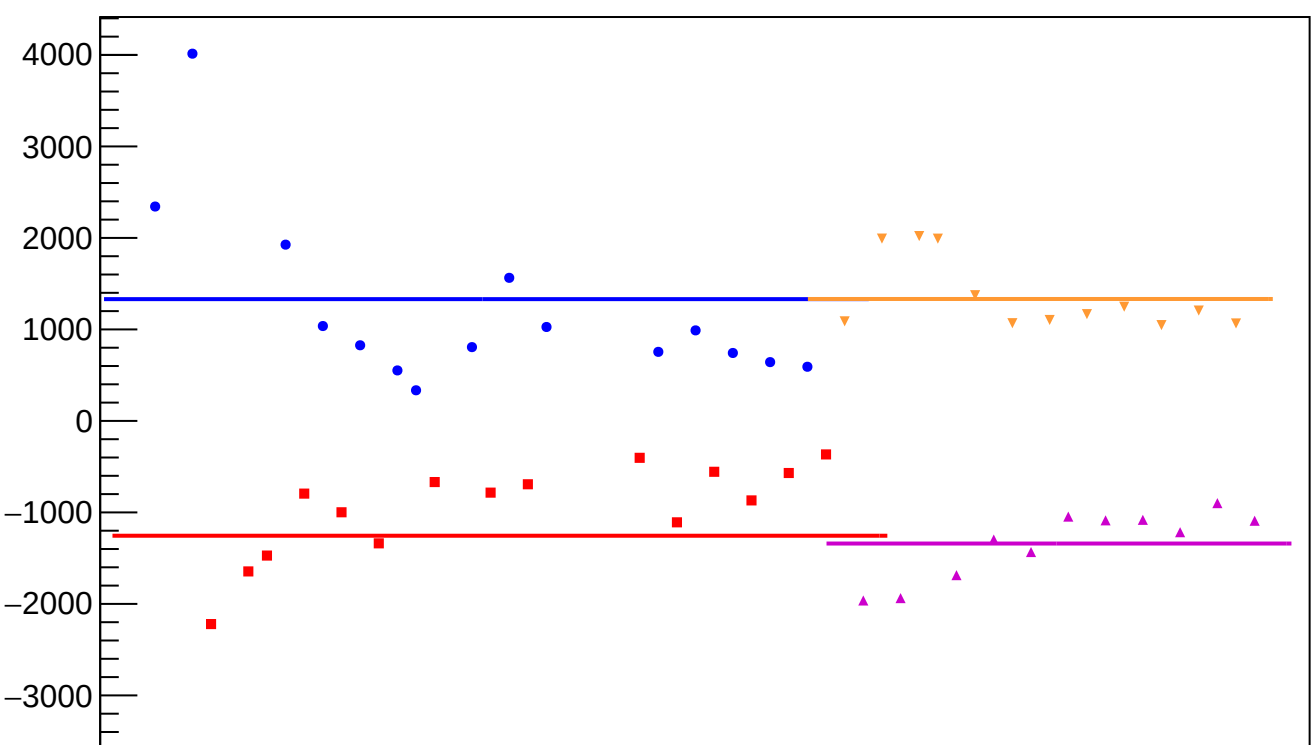
Right Out: -65555.147+/-0.000 $\chi^2$/NDF: 212001467811386750910625783195999741673472.0/15

Out: 25651.673+/-0.000 $\chi^2$/NDF:10036256154988

Left In: -95749.411+/-0.000 $\chi^2$/NDF:102376761881530271427340284738693826084864.0/10

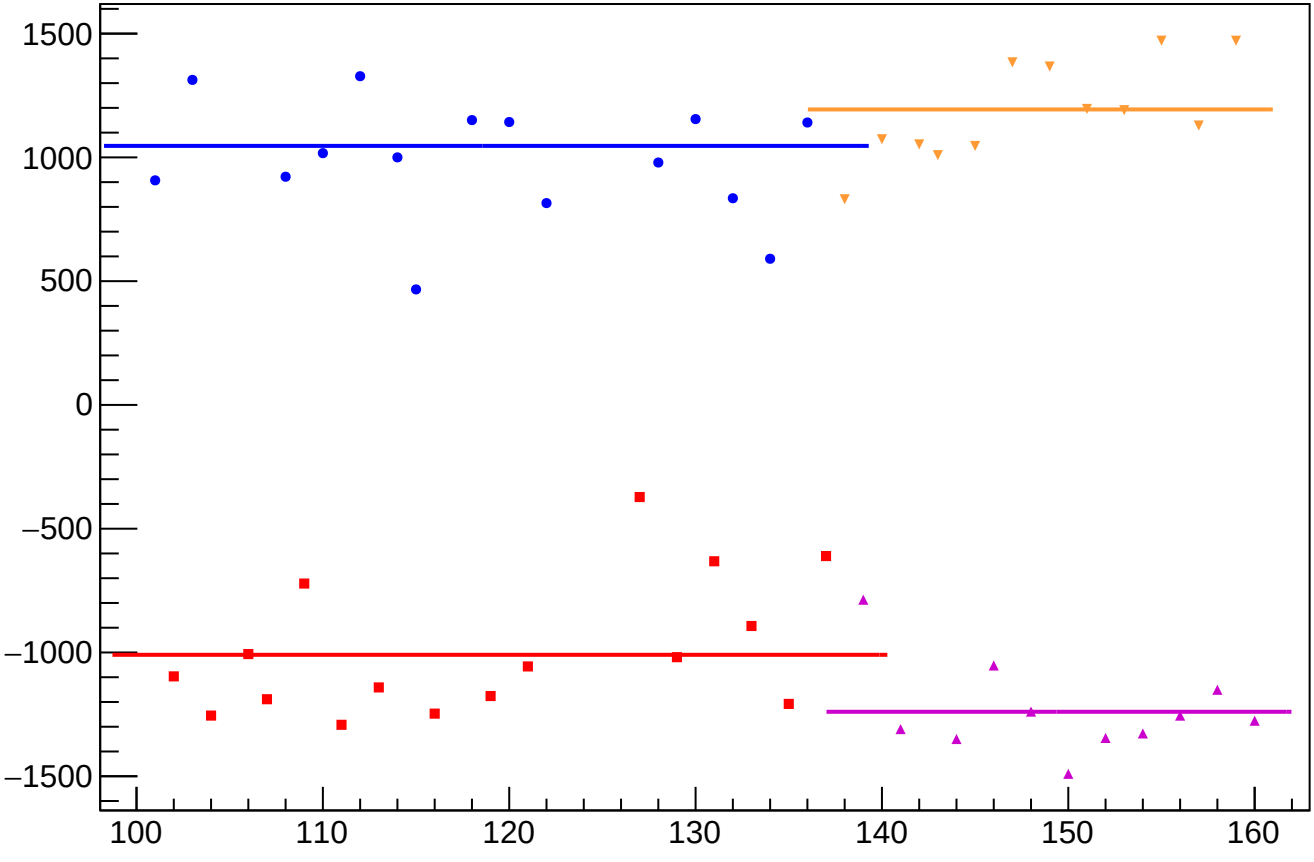
All: -824.008+/-0.000 $\chi^2$/NDF: 23000264296

# dit_sam2_coil1_err_mean vs Slug, Sign Corrected



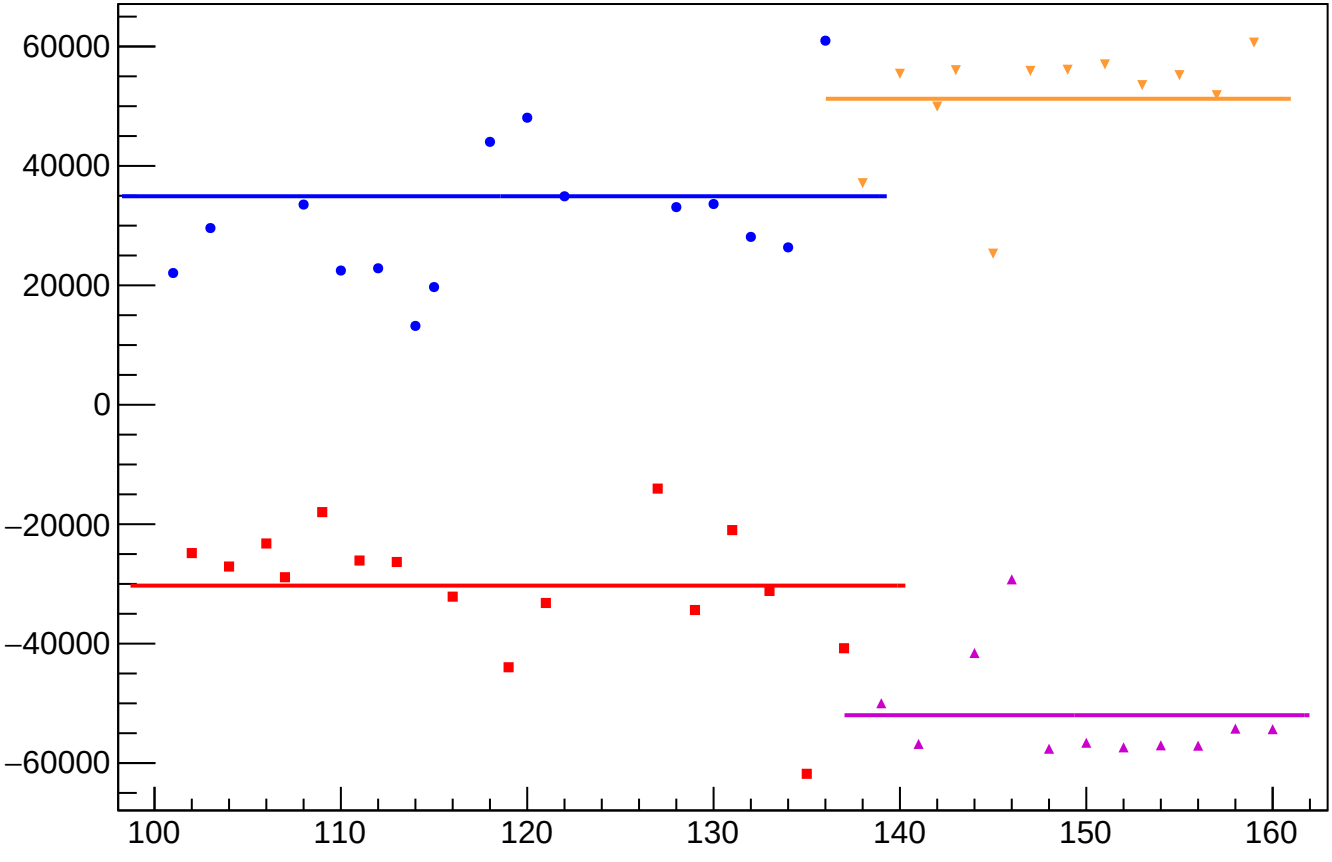

Left: -11.029+/-0.000 $\chi^2$/NDF: 3514334276820303
Right In: 1330.956+/-0.000 $\chi^2$/NDF: 6494812638426816594494091470595728343 04.0/14
Right: 20.358+/-0.000 $\chi^2$/NDF: 3481069250883615
Left Out: 1332.669+/-0.000 $\chi^2$/NDF:1174887932511659998504172068952730501 12.0/11
In: -238.106+/-0.000 $\chi^2$/NDF:3483766445044589
Right Out: -1254.871+/-0.000 $\chi^2$/NDF: 6321400689833040628098177168008617656 32.0/15
Out: 241.025+/-0.000 $\chi^2$/NDF:3331380531893128
Left In: -1340.185+/-0.000 $\chi^2$/NDF:1142049111682012770238307673664777093 12.0/10
All: 2.067+/-0.000 $\chi^2$/NDF: 6996159053055

# dit_sam2_coil1_Ndata_mean vs Slug, Sign Corrected




Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11
In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556 9
Left In: -1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10
All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_sam3_coil1_mean vs Slug, Sign Corrected




Left: -650.230+/-0.000 $\chi^2$/NDF: 505001138848268

Right In: 34919.716+/-0.000 $\chi^2$/NDF: 1063873854407186221551225418487299970170 88.0/14

Right: 1872.760+/-0.000 $\chi^2$/NDF: 15931536557711

Left Out: 51246.568+/-0.000 $\chi^2$/NDF:8616854061410244506204695466860253439590 4.0/11

In: -16129.428+/-0.000 $\chi^2$/NDF:30528033173327

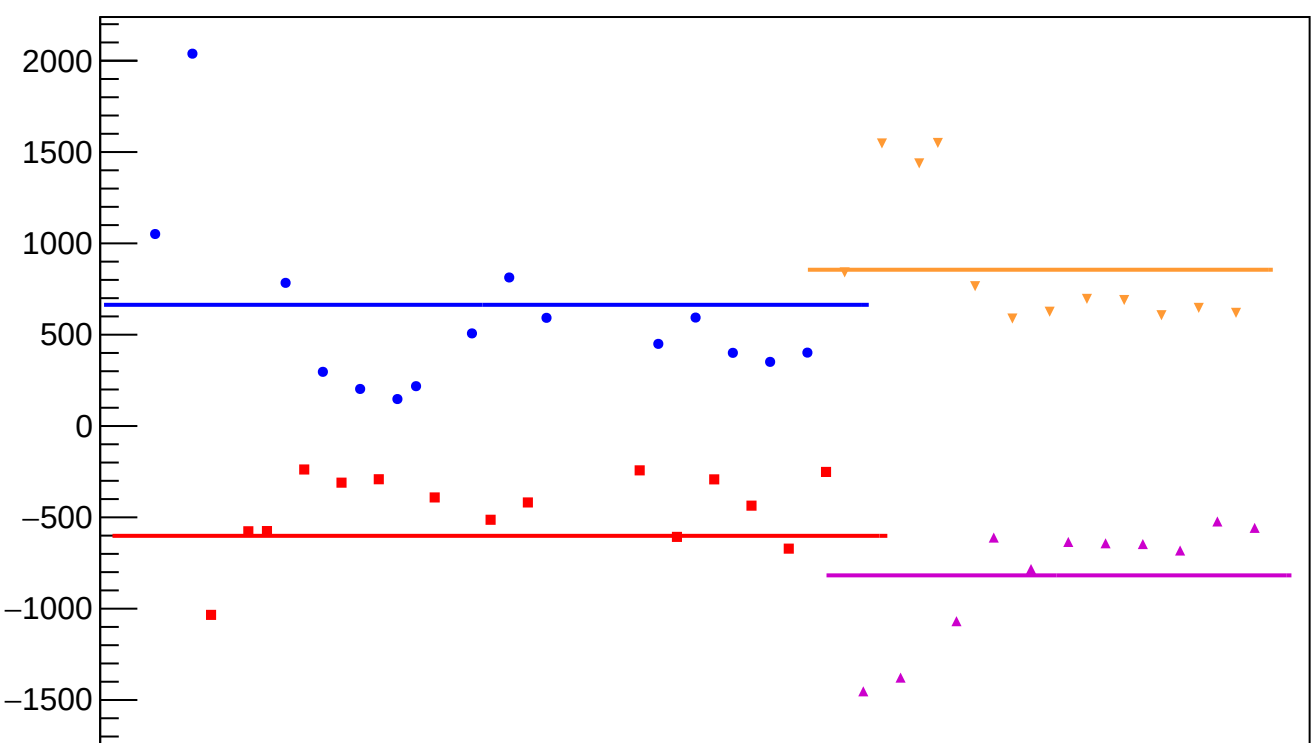
Right Out: -30282.373+/-0.000 $\chi^2$/NDF: 8834616526659312662759895169350607306752 0.0/15

Out: 16850.740+/-0.000 $\chi^2$/NDF:2737604183227 1

Left In: -51985.374+/-0.000 $\chi^2$/NDF:6717258757951886337950413211629467677491 2.0/10

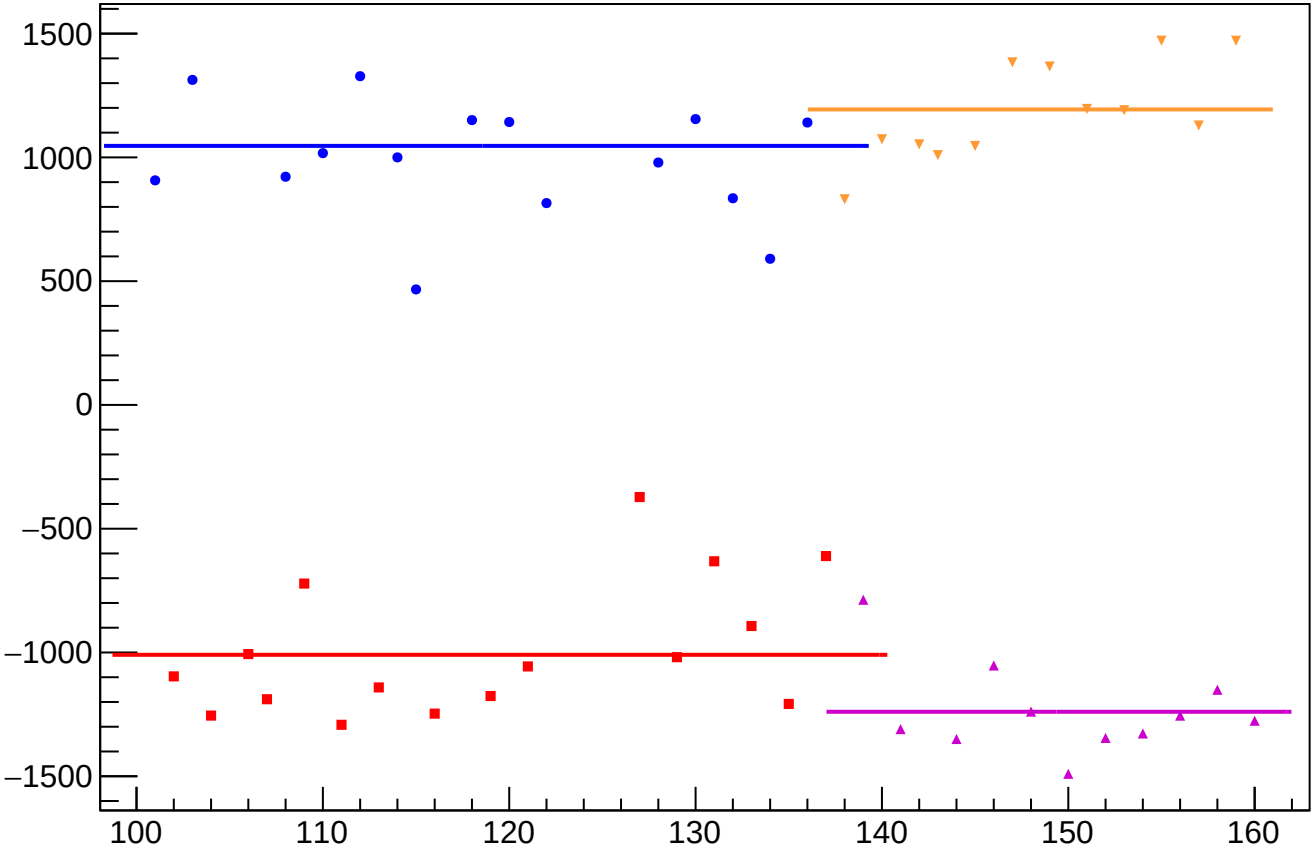
All: 402.483+/-0.000 $\chi^2$/NDF: 66480467409 2

# dit_sam3_coil1_err_mean vs Slug, Sign Corrected



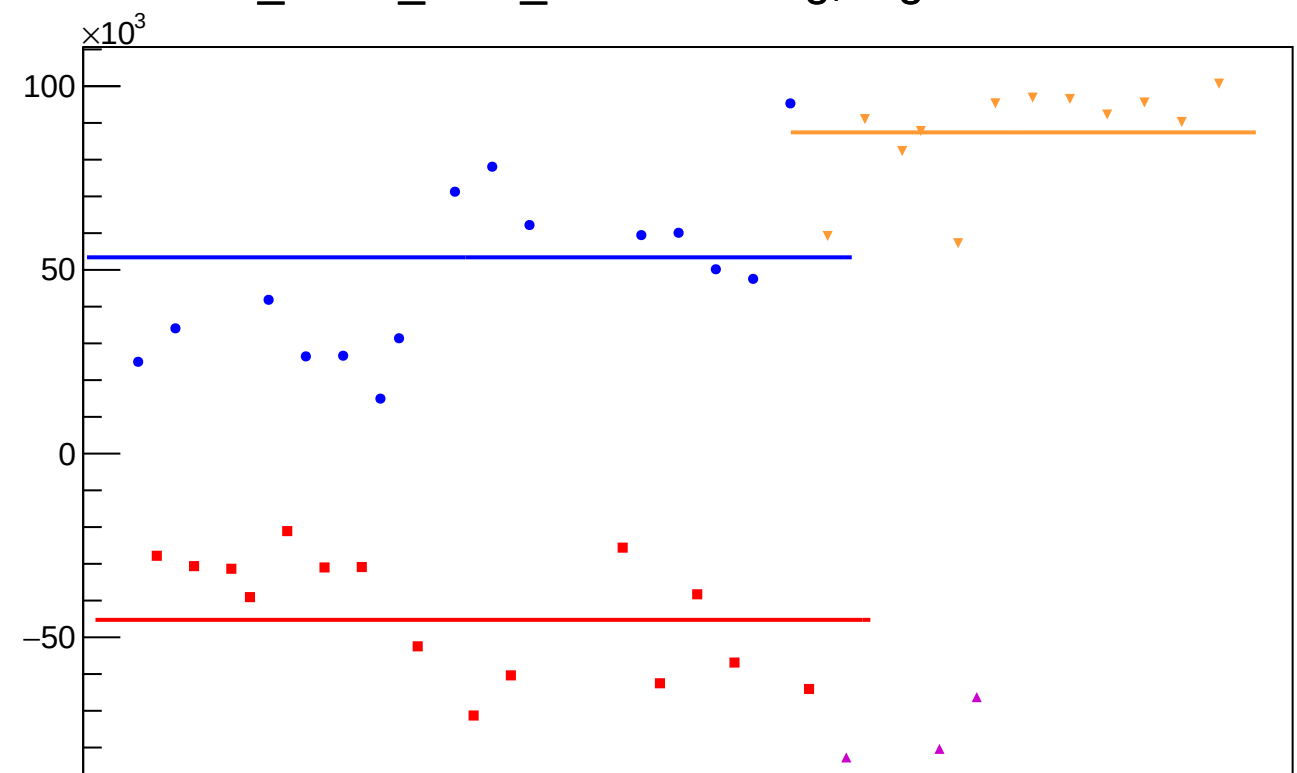

Left: 14.433+/-0.000 $\chi^2$/NDF: 1491830780221848
Right In: 663.574+/-0.000 $\chi^2$/NDF: 1576918128727208228869149665973124464 64.0/14
Right: 22.529+/-0.000 $\chi^2$/NDF: 8336101395091641
Left Out: 855.627+/-0.000 $\chi^2$/NDF:1148952267466286891447216964464636067 84.0/11
In: -206.520+/-0.000 $\chi^2$/NDF:1084558135298016
Right Out: -601.216+/-0.000 $\chi^2$/NDF: 1497178843318893323399953343508318781 44.0/15
Out: 241.007+/-0.000 $\chi^2$/NDF:1083013180112686
Left In: -817.657+/-0.000 $\chi^2$/NDF:9042954872371566332680529907681119436 8.0/10
All: 17.811+/-0.000 $\chi^2$/NDF: 2325491183866

# dit_sam3_coil1_Ndata_mean vs Slug, Sign Corrected




Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11
In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556 9
Left In: -1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10
All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_sam4_coil1_mean vs Slug, Sign Corrected




Left: -2060.108+/-0.000 $\chi^2$/NDF: 14824251298743

Right In: 53422.452+/-0.000 $\chi^2$/NDF: 36063575731513380013375112316777346551808.0/14

Right: 3412.622+/-0.000 $\chi^2$/NDF: 38491691465863

Left Out: 87421.965+/-0.000 $\chi^2$/NDF:17600944793397317229876580826958074332160.0/11

In: -31162.736+/-0.000 $\chi^2$/NDF:83559951874998

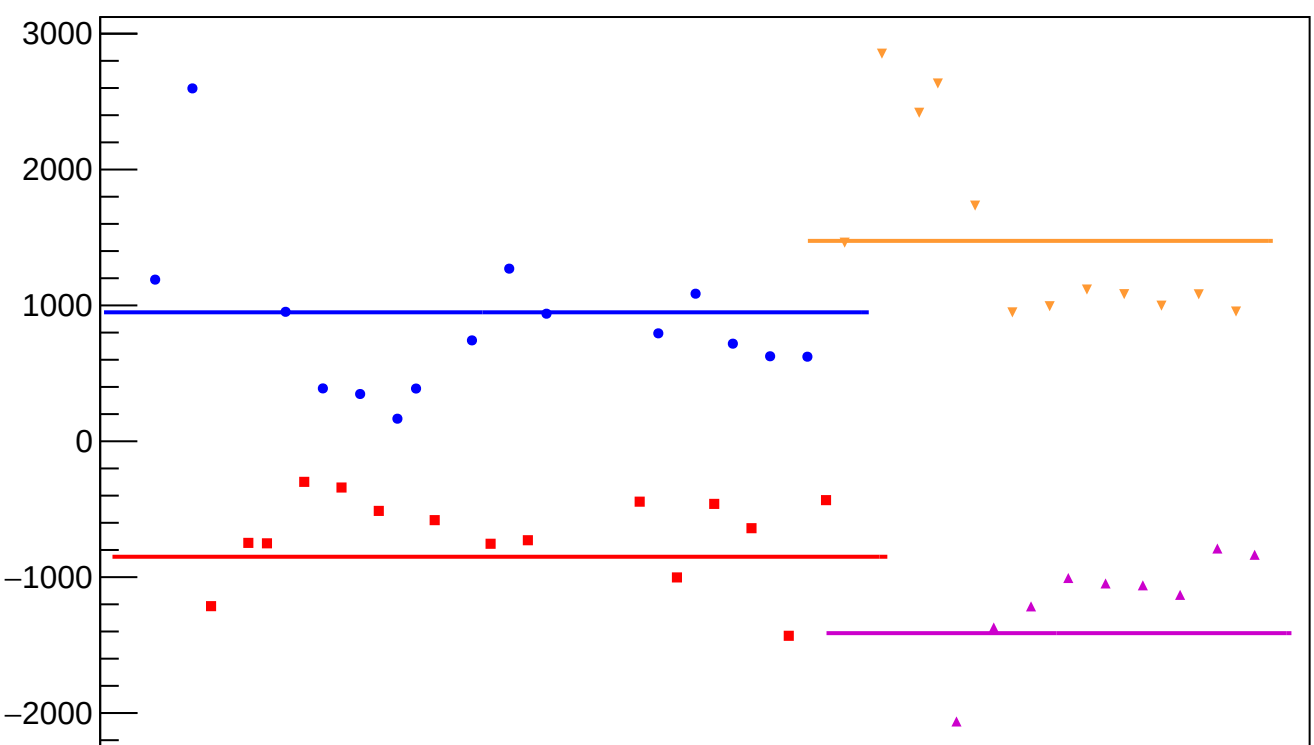
Right Out: -45247.617+/-0.000 $\chi^2$/NDF: 28606019648803443021578461337405547928576.0/15

Out: 31450.674+/-0.000 $\chi^2$/NDF:72491482538819

Left In: -90573.760+/-0.000 $\chi^2$/NDF:90574081394354221593949262312406685581312.0/10

All: 223.377+/-0.000 $\chi^2$/NDF: 186963897471

# dit_sam4_coil1_err_mean vs Slug, Sign Corrected




Left: 23.551+/-0.000 $\chi^2$/NDF: 4570501357423236

Right In: 949.197+/-0.000 $\chi^2$/NDF: 2256910321831537327333080940676581949 44.0/14

Right: 37.382+/-0.000 $\chi^2$/NDF: 1494917928354426

Left Out: 1474.996+/-0.000 $\chi^2$/NDF:4077762791412540626360785088537386024 96.0/11

In: -437.909+/-0.000 $\chi^2$/NDF:2684013086565036

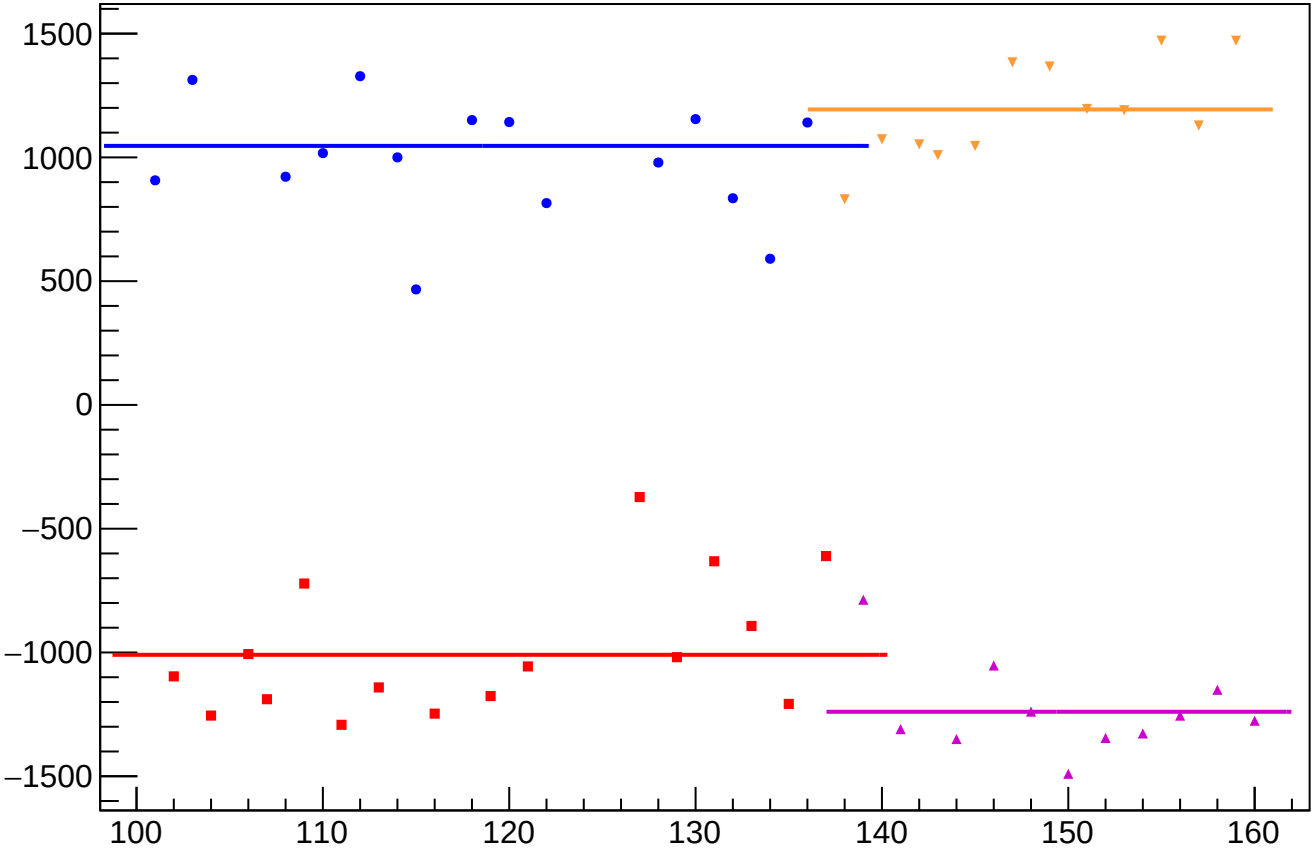
Right Out: -849.827+/-0.000 $\chi^2$/NDF: 2046222242615772477022273127451973386 24.0/15

Out: 494.188+/-0.000 $\chi^2$/NDF:2696503915470133

Left In: -1412.186+/-0.000 $\chi^2$/NDF:3325293909348971181578759726617560350 72.0/10

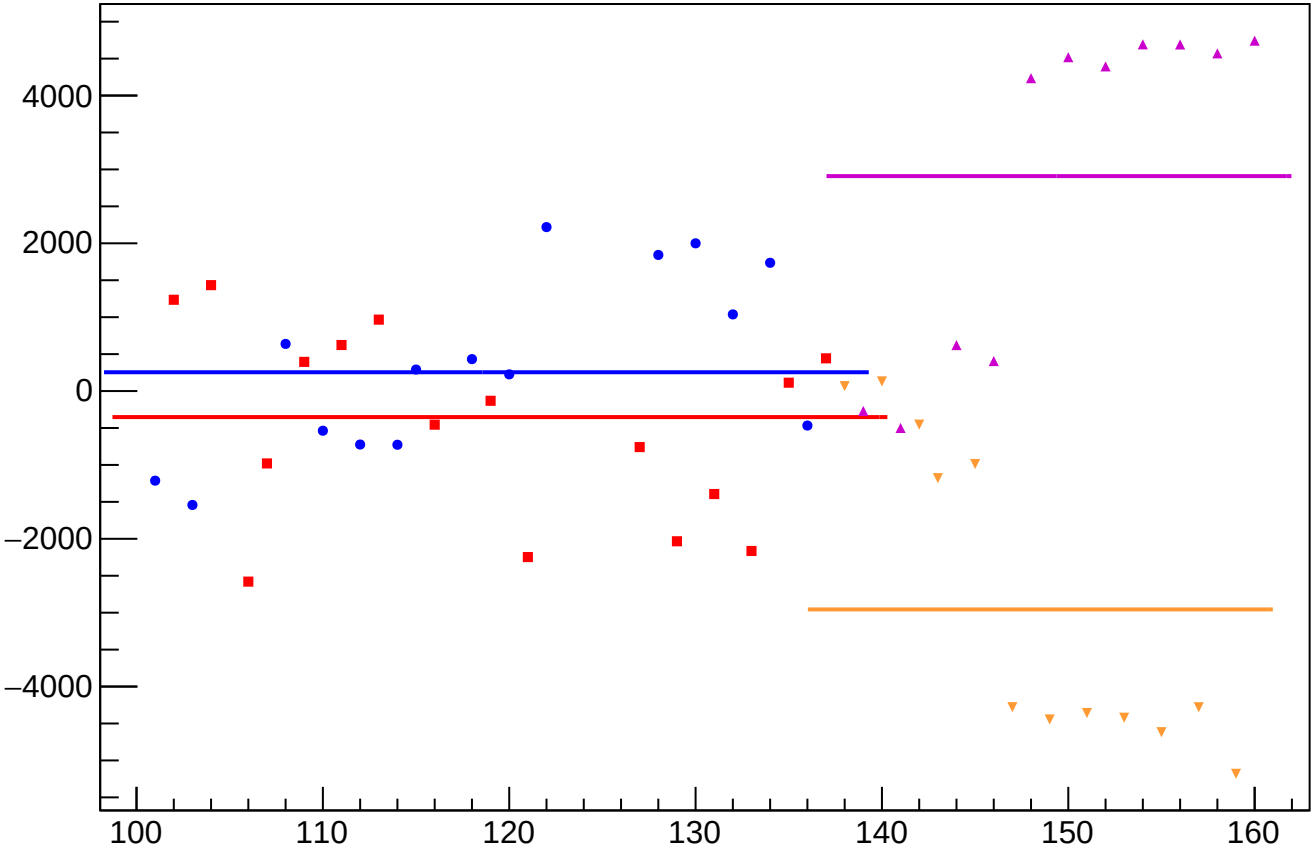
All: 29.322+/-0.000 $\chi^2$/NDF: 6065565997163

# dit_sam4_coil1_Ndata_mean vs Slug, Sign Corrected




Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11
In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556 9
Left In: -1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10
All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_sam5_coil1_mean vs Slug, Sign Corrected




Left: -7.270+/-0.000 $\chi^2$/NDF: 23893577266149002

Right In: 254.578+/-0.000 $\chi^2$/NDF: 97840211353100664074156922396724953088 0.0/14

Right: -53.015+/-0.000 $\chi^2$/NDF: 220036732540735

Left Out: -2955.997+/-0.000 $\chi^2$/NDF:3707818280907677847342876591435129290752.0/11

In: 1814.139+/-0.000 $\chi^2$/NDF:804296313002970

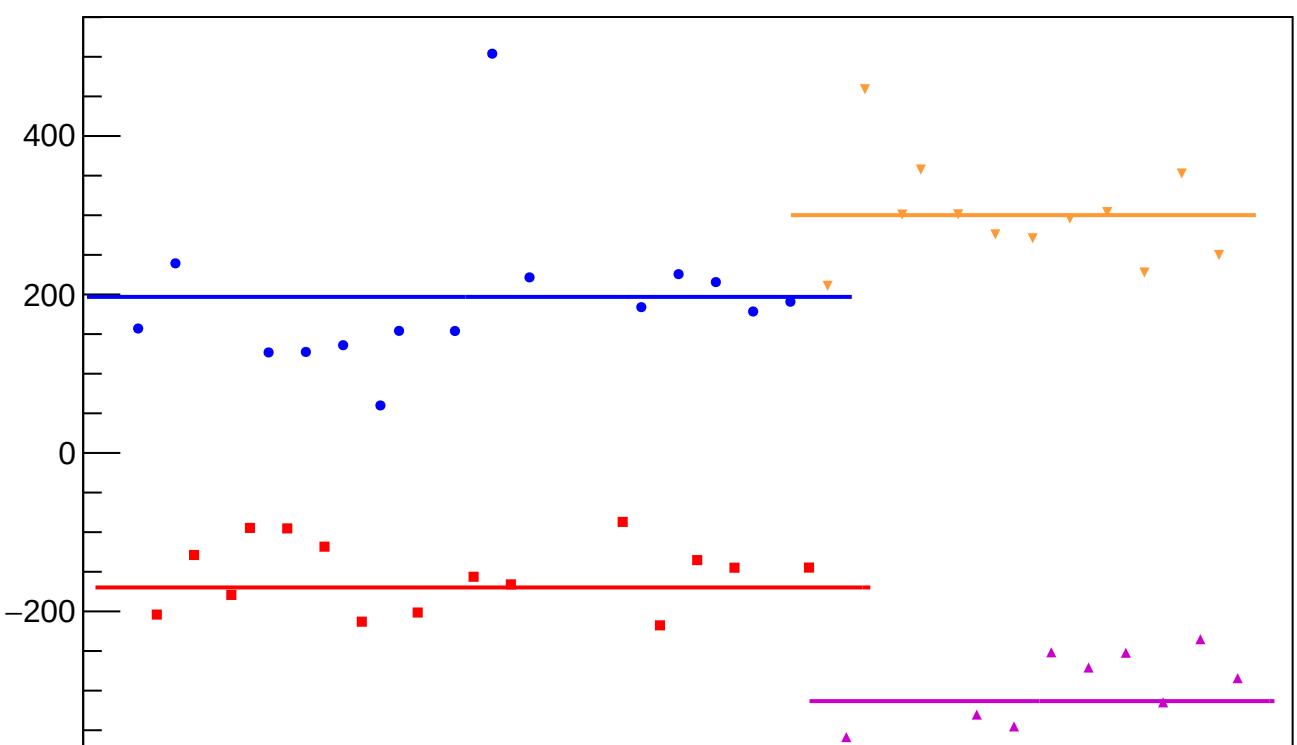
Right Out: -352.308+/-0.000 $\chi^2$/NDF: 1100813647101508513447529068154010468352.0/15

Out: -1857.540+/-0.000 $\chi^2$/NDF:74227087248686

Left In: 2909.545+/-0.000 $\chi^2$/NDF:4377323512278558404902073126276443406336.0/10

All: -26.357+/-0.000 $\chi^2$/NDF: 260955494544

# dit_sam5_coil1_err_mean vs Slug, Sign Corrected




Left: -8.206+/-0.000 $\chi^2$/NDF: 17982757813530948

Right In: 196.955+/-0.000 $\chi^2$/NDF: 4485245160329657914621372425838788608.0/14

Right: 11.081+/-0.000 $\chi^2$/NDF: 5261792058222240

Left Out: 300.154+/-0.000 $\chi^2$/NDF:3873021428685352941137053448690204672.0/11

In: -102.733+/-0.000 $\chi^2$/NDF:1067935716569052

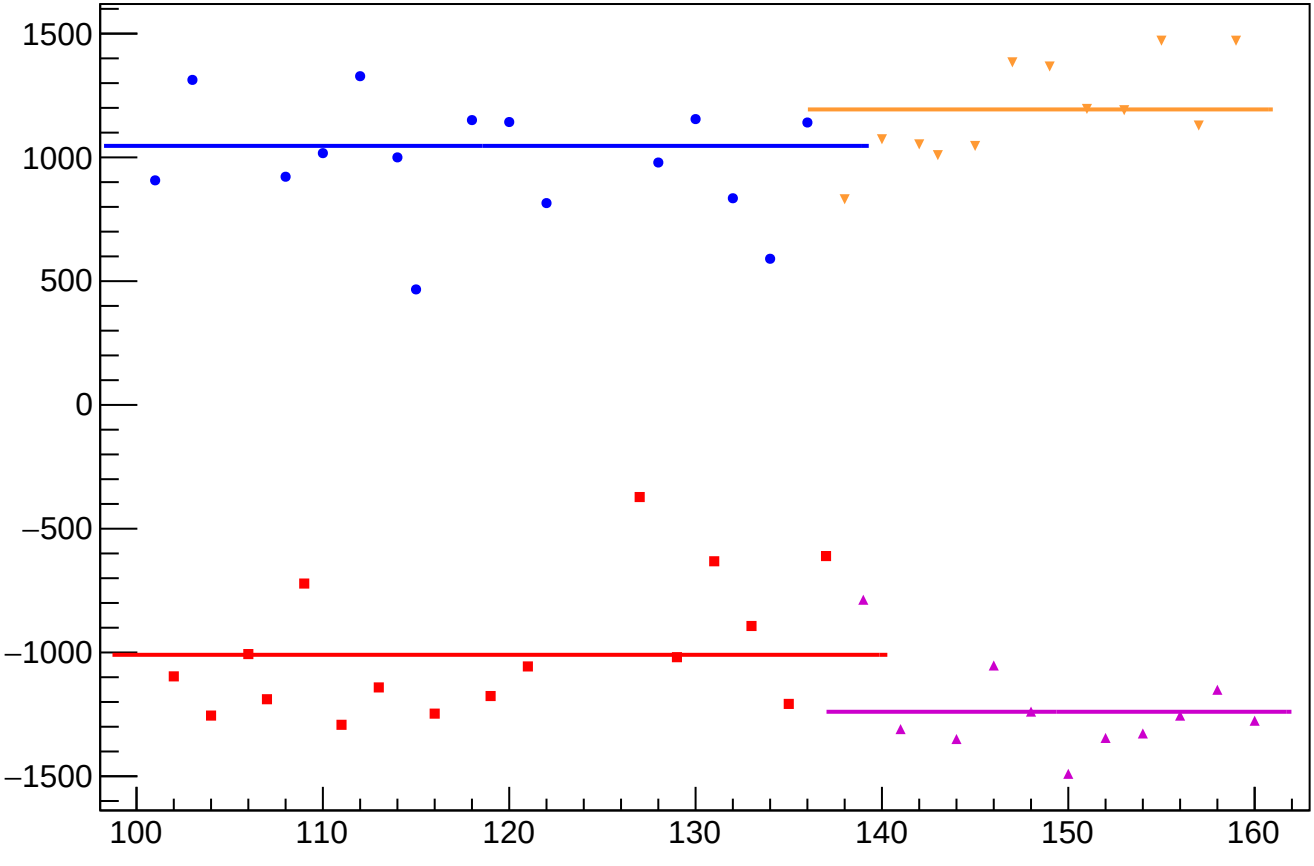
Right Out: -169.778+/-0.000 $\chi^2$/NDF: 3892609445494845784493558646385410048.0/15

Out: 101.896+/-0.000 $\chi^2$/NDF:929205168991504

Left In: -313.228+/-0.000 $\chi^2$/NDF:3079061701843560714774529768142405632.0/10

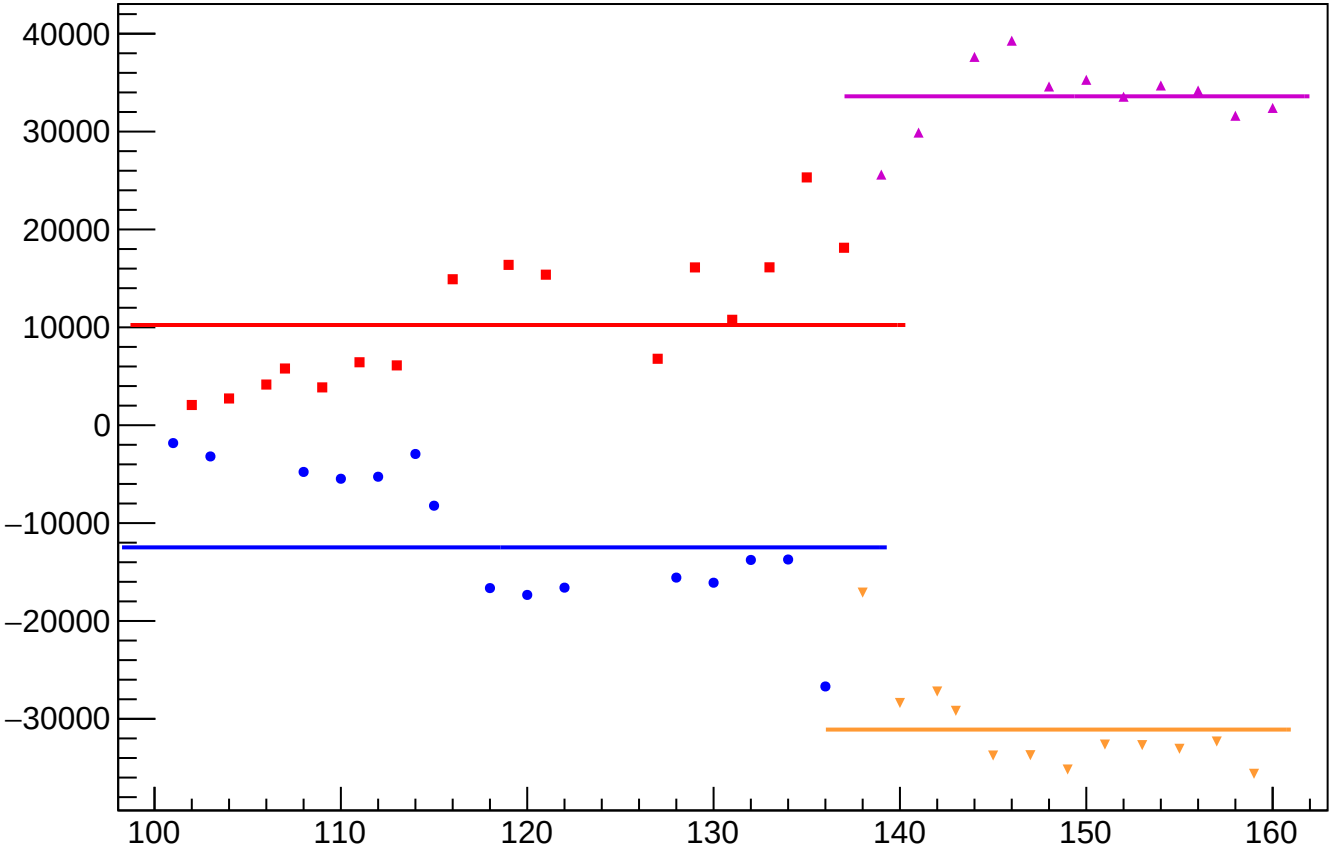
All: -0.159+/-0.000 $\chi^2$/NDF: 2327307530740

# dit_sam5_coil1_Ndata_mean vs Slug, Sign Corrected




Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11
In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556 9
Left In: -1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10
All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_sam6_coil1_mean vs Slug, Sign Corrected




Left: 1429.385+/-0.000 $\chi^2$/NDF: 19565583595098

Right In: -12479.653+/-0.000 $\chi^2$/NDF: 411786332312538053173533339734752719011 84.0/14

Right: -965.413+/-0.000 $\chi^2$/NDF: 24217037814564

Left Out: -31096.364+/-0.000 $\chi^2$/NDF:217594309706731792738919903137593682821 12.0/11

In: 14589.951+/-0.000 $\chi^2$/NDF:86214672145906

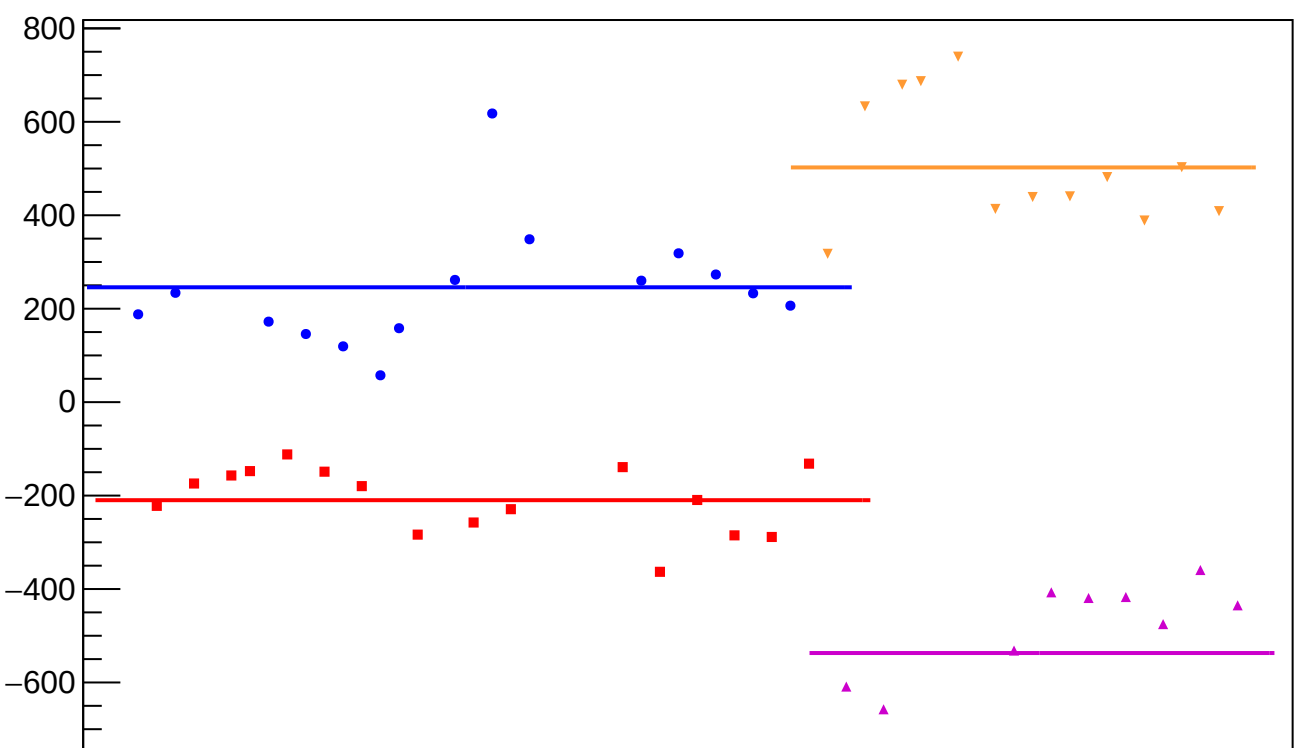
Right Out: 10238.098+/-0.000 $\chi^2$/NDF: 312278611261595340319615019232237180682 24.0/15

Out: -13657.980+/-0.000 $\chi^2$/NDF:7118042053110

Left In: 33603.125+/-0.000 $\chi^2$/NDF:113778777412803779880766320697469430661 12.0/10

All: 430.161+/-0.000 $\chi^2$/NDF: 22031269649

# dit_sam6_coil1_err_mean vs Slug, Sign Corrected




Right In: 245.832+/-0.000 $\chi^2$/NDF: 7828269009300013139414476154059358208.0/14

Left Out: 502.365+/-0.000 $\chi^2$/NDF:1519156609286494211376362666392236851 2.0/11

Right Out: -209.844+/-0.000 $\chi^2$/NDF: 3128489258838765241921217786024034304.0/15

Left In: -536.975+/-0.000 $\chi^2$/NDF:2080302248640081095695836771955559628 8.0/10

Left: -20.132+/-0.000 $\chi^2$/NDF: 5323446467512180

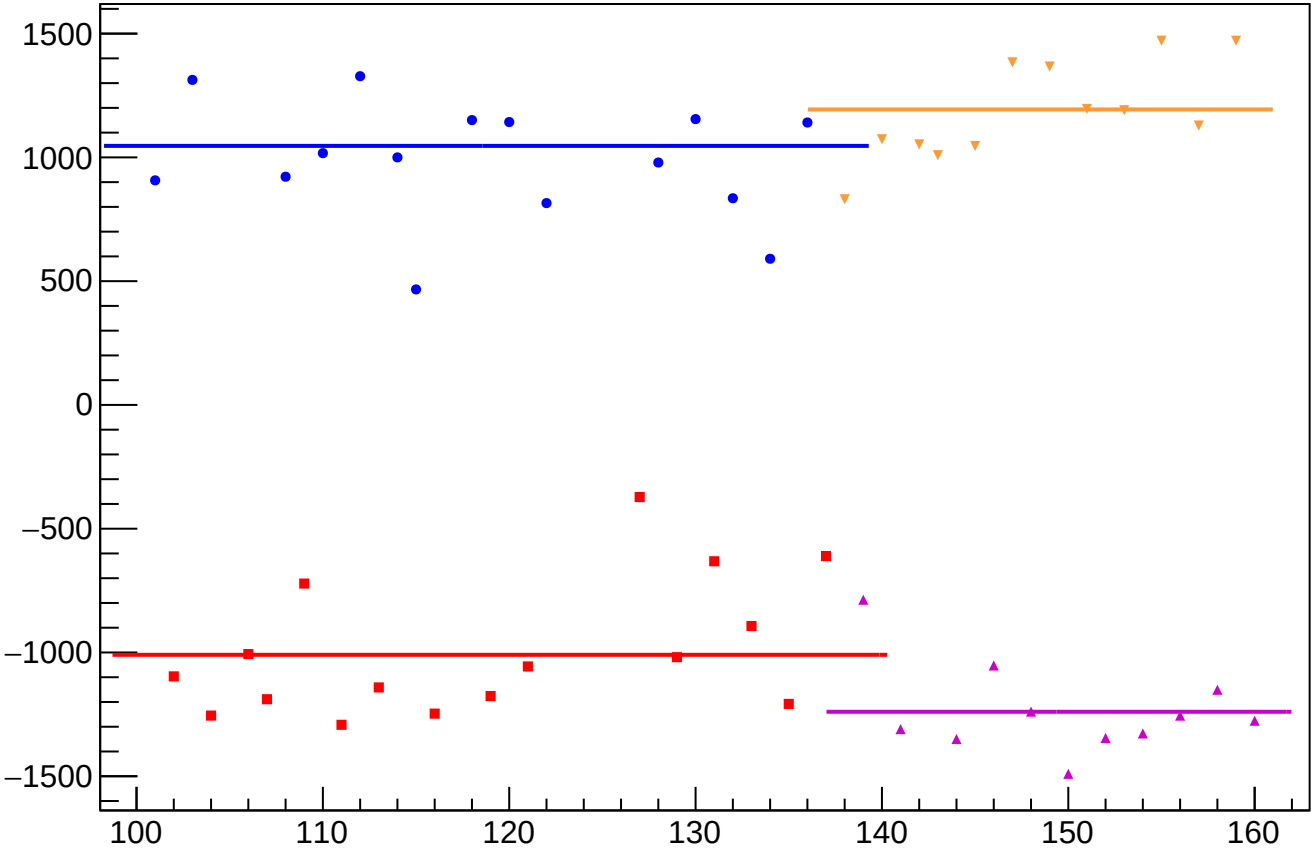
Right: 14.878+/-0.000 $\chi^2$/NDF: 7925780675793006

In: -213.998+/-0.000 $\chi^2$/NDF:2622447157397891

Out: 201.895+/-0.000 $\chi^2$/NDF:2139138372014608

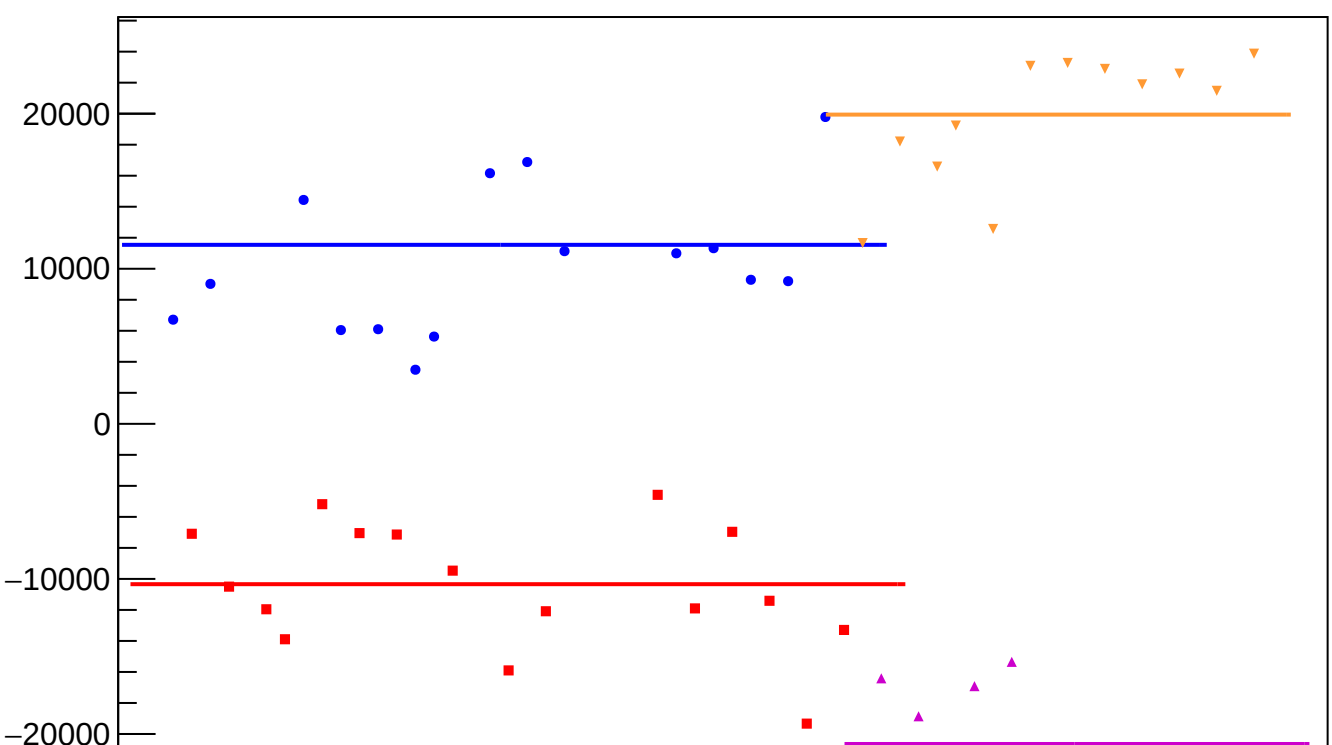
All: -5.524+/-0.000 $\chi^2$/NDF: 6125424587177

# dit_sam6_coil1_Ndata_mean vs Slug, Sign Corrected




Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 24866624766048512267031234680614551552.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 14598494086105576
Left Out: 1193.726+/-0.000 $\chi^2$/NDF:34388618994267285012310712301196935168.0/11
In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 44602783681728168935494176019868286976.0/15
Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556
Left In: -1239.553+/-0.000 $\chi^2$/NDF:29116180330425505242594030704390045696.0/10
All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_sam7_coil1_mean vs Slug, Sign Corrected




Left: -462.888+/-0.000 $\chi^2$/NDF: 780393460783243

Right In: 11542.759+/-0.000 $\chi^2$/NDF: 1423354312323856635722676621901468742451 2.0/14

Right: 451.741+/-0.000 $\chi^2$/NDF: 183007796935000

Left Out: 19940.398+/-0.000 $\chi^2$/NDF:150694867433458665068686580084002930032 64.0/11

In: -7364.946+/-0.000 $\chi^2$/NDF:417673505445330

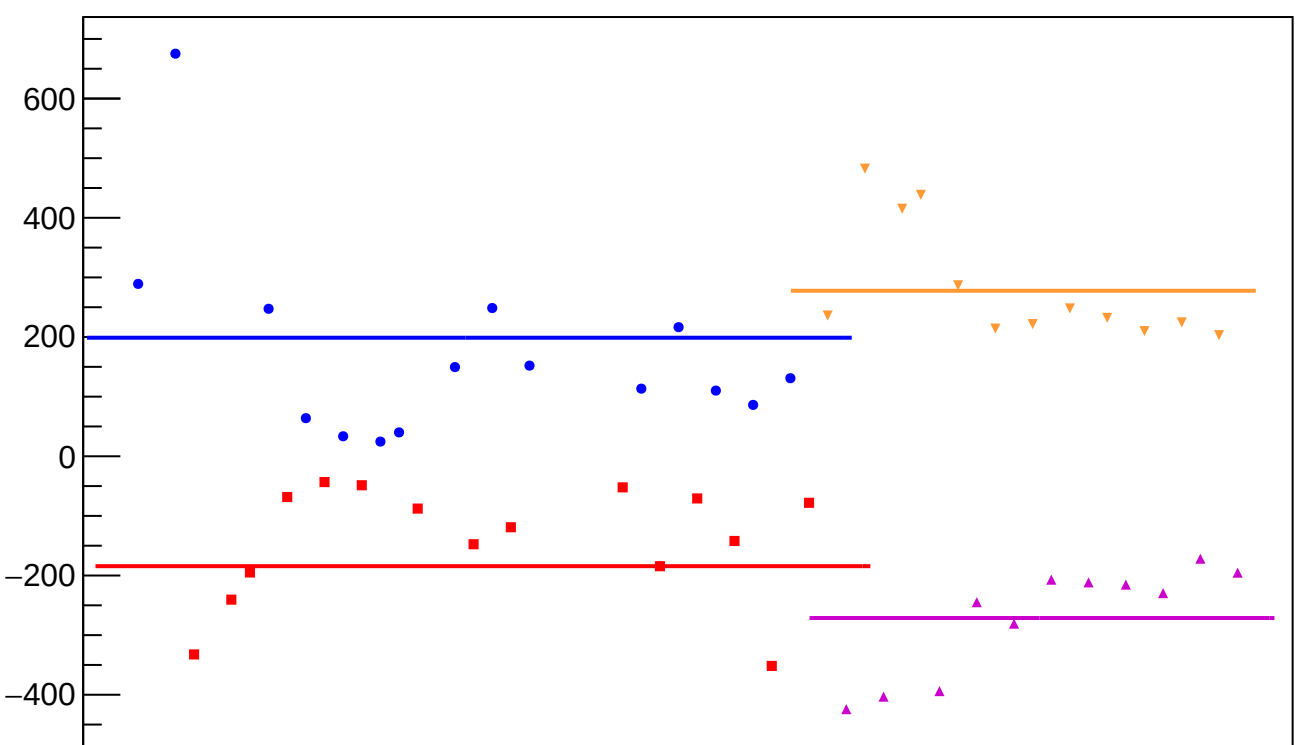
Right Out: -10339.969+/-0.000 $\chi^2$/NDF: 112608338634067516459234200629824182026 24.0/15

Out: 7165.569+/-0.000 $\chi^2$/NDF:37988973968207 7

Left In: -20645.358+/-0.000 $\chi^2$/NDF:845632737688278280488889901055883398348 8.0/10

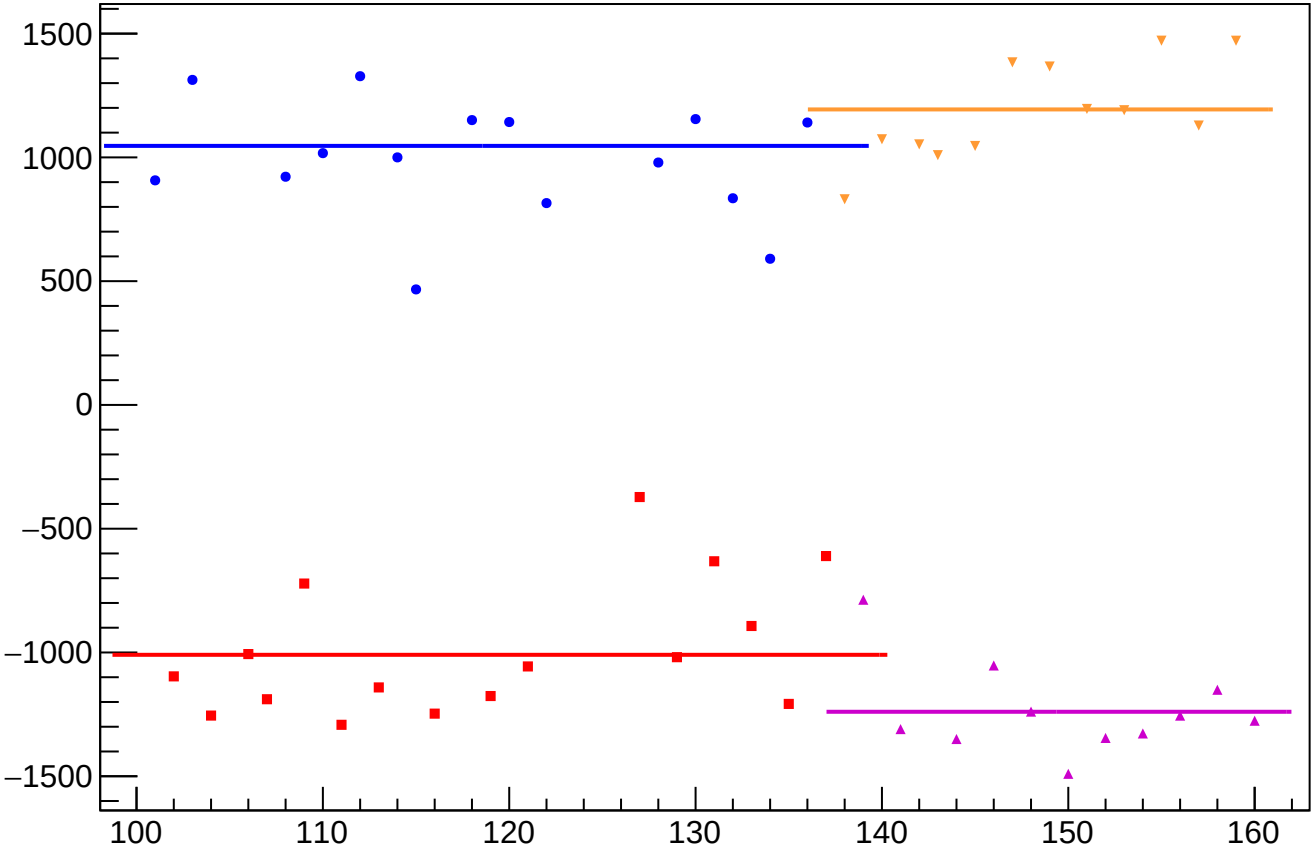
All: -81.261+/-0.000 $\chi^2$/NDF: 964042806490

# dit_sam7_coil1_err_mean vs Slug, Sign Corrected



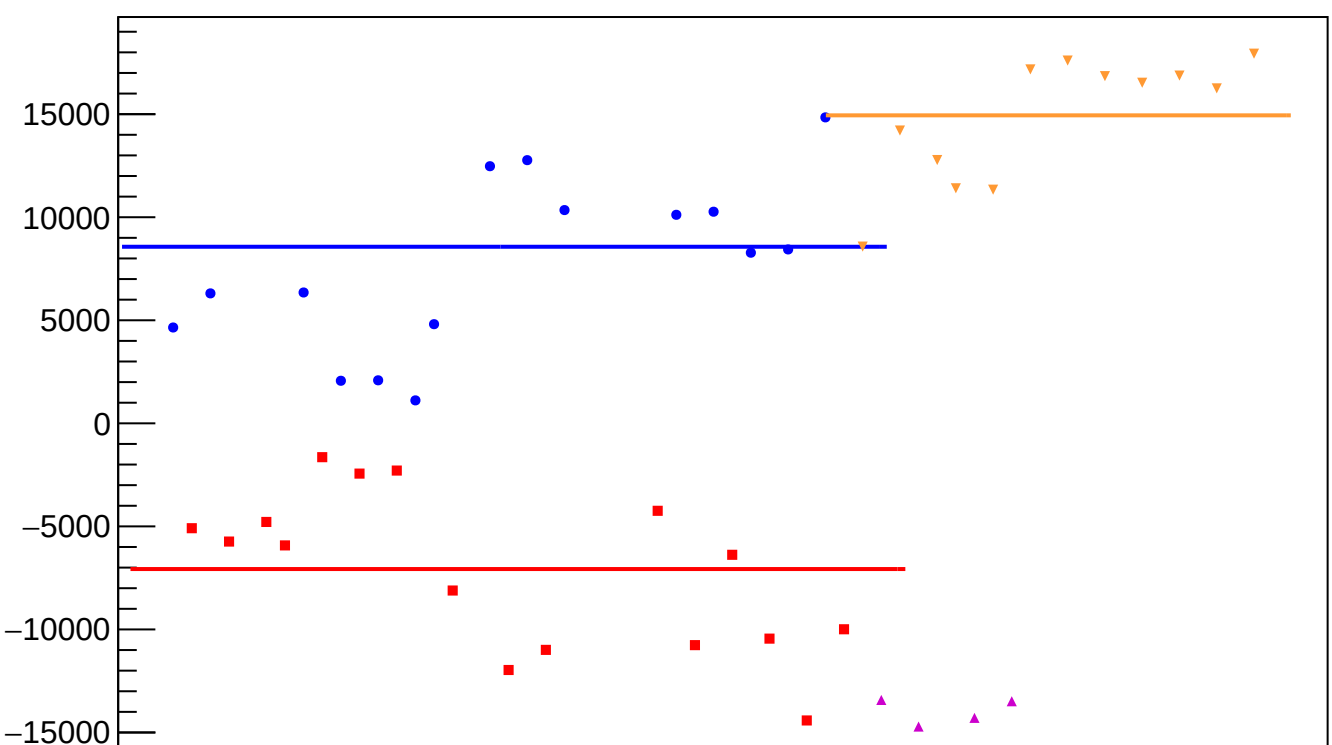

Left: 1.680+/-0.000 $\chi^2$/NDF: 15360478630290122
Right In: 198.850+/-0.000 $\chi^2$/NDF: 18333995109503438037075916944440295424.0/14
Right: 4.640+/-0.000 $\chi^2$/NDF: 8155814157634257
Left Out: 277.638+/-0.000 $\chi^2$/NDF:80386137058904862279846888470143303 68.0/11
In: -77.317+/-0.000 $\chi^2$/NDF:10971103033492192
Right Out: -184.328+/-0.000 $\chi^2$/NDF: 14927434931395588601024961538372403200.0/15
Out: 82.741+/-0.000 $\chi^2$/NDF:1052585597535174
Left In: -271.291+/-0.000 $\chi^2$/NDF:7112445981030520145066814103974051840.0/10
All: 2.915+/-0.000 $\chi^2$/NDF: 2351696492796

# dit_sam7_coil1_Ndata_mean vs Slug, Sign Corrected



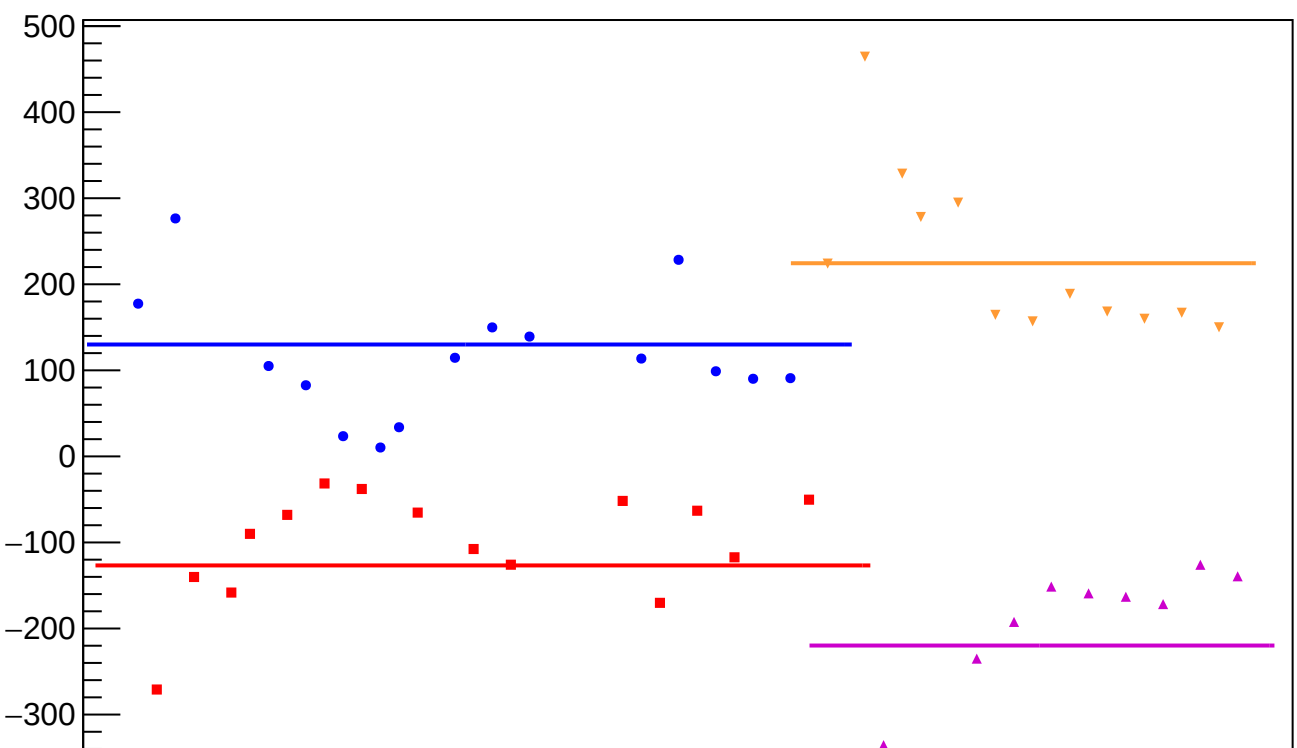

Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11
In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556 9
Left In: -1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10
All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_sam8_coil1_mean vs Slug, Sign Corrected



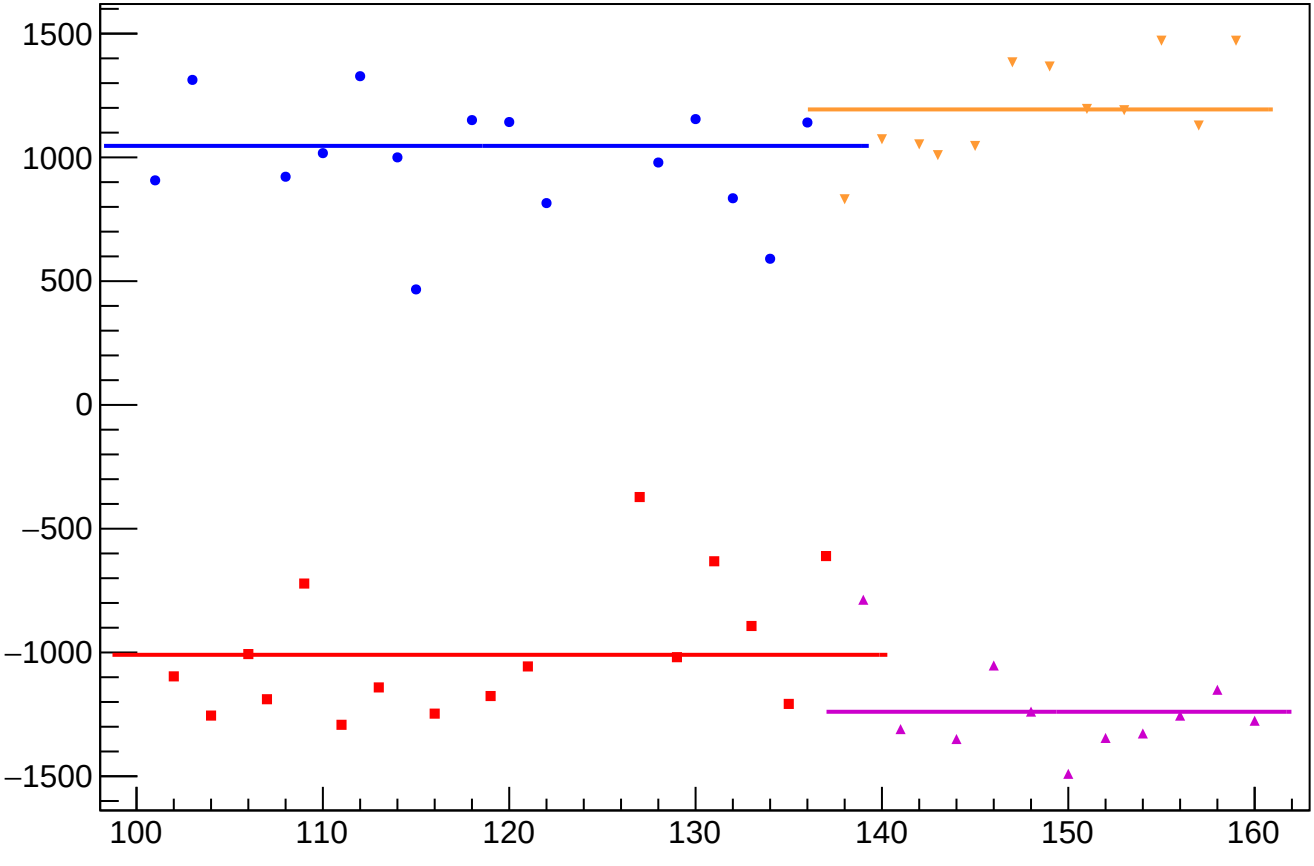

Left: -606.081+/-0.000 $\chi^2$/NDF: 449973748621365
Right In: 8567.784+/-0.000 $\chi^2$/NDF: 1110604887897250136642905567964570845184 0.0/14
Right: 642.005+/-0.000 $\chi^2$/NDF: 101620430321781
Left Out: 14943.560+/-0.000 $\chi^2$/NDF:7900539606524387386359998406585036570624.0/11
In: -5856.261+/-0.000 $\chi^2$/NDF:243442912299638
Right Out: -7069.884+/-0.000 $\chi^2$/NDF: 1007686236350265211137821053966438786 6624.0/15
Out: 5656.420+/-0.000 $\chi^2$/NDF:204837318375848
Left In: -15987.436+/-0.000 $\chi^2$/NDF:247039342825481572862908333262999912448 0.0/10
All: -85.320+/-0.000 $\chi^2$/NDF: 552788797574

# dit_sam8_coil1_err_mean vs Slug, Sign Corrected



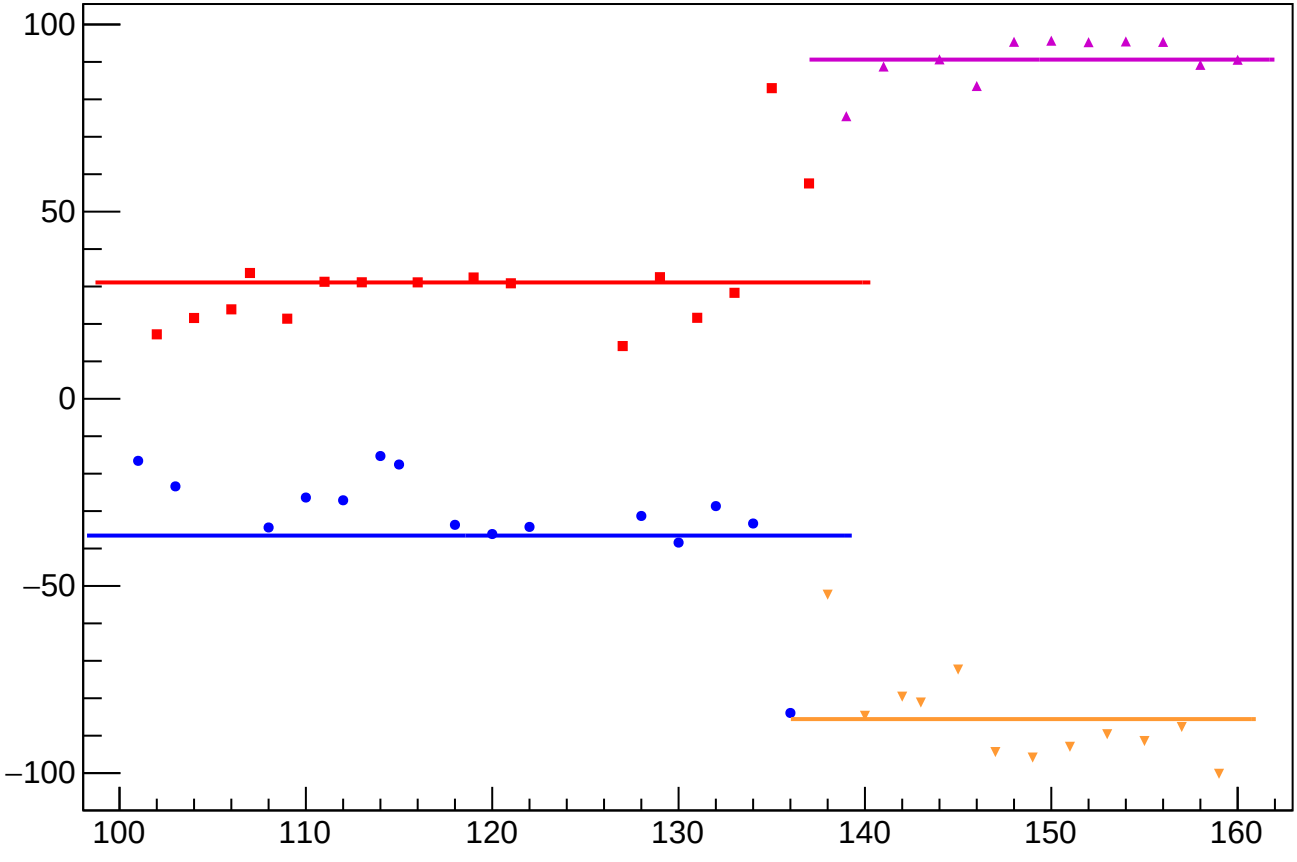

Left: 1.127+/-0.000 $\chi^2$/NDF: 10597011405923870
Right In: 130.021+/-0.000 $\chi^2$/NDF: 3115259987552341725946418665378283520.0/14
Right: -0.100+/-0.000 $\chi^2$/NDF: 3019268215396835
Left Out: 224.458+/-0.000 $\chi^2$/NDF:7870394140048491055430374232164401152.0/11
In: -75.461+/-0.000 $\chi^2$/NDF:5718321474532916
Right Out: -126.709+/-0.000 $\chi^2$/NDF: 5397122581297664561308621600668516352.0/15
Out: 76.306+/-0.000 $\chi^2$/NDF:6081924856680347
Left In: -219.787+/-0.000 $\chi^2$/NDF:7418609629454172879787970620999860224.0/10
All: 0.615+/-0.000 $\chi^2$/NDF: 1361639505758

# dit_sam8_coil1_Ndata_mean vs Slug, Sign Corrected



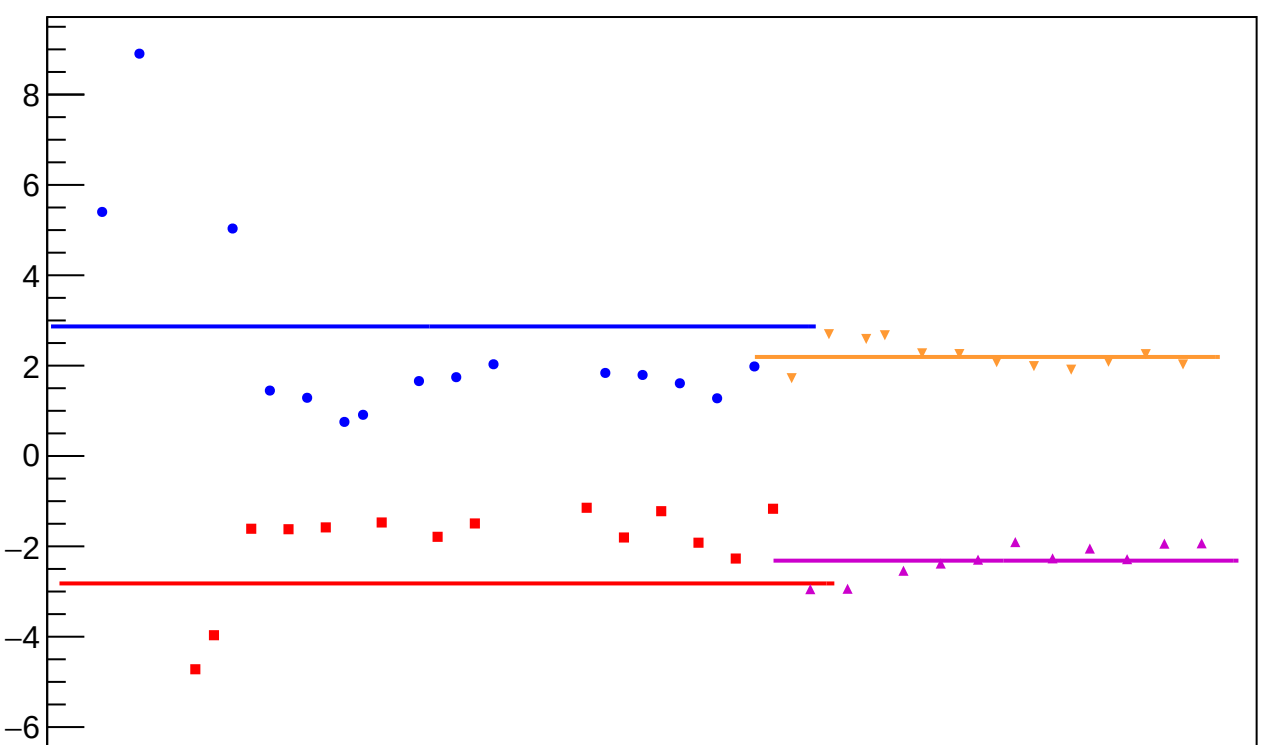

Left: -29.533+/-0.000 $\chi^2$/NDF: 2784054454845267
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11
In: -296.360+/-0.000 $\chi^2$/NDF:2046292009130527
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: 264.242+/-0.000 $\chi^2$/NDF:195069411600556 9
Left In: -1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10
All: -15.348+/-0.000 $\chi^2$/NDF: 424479012287

# dit_4aX_coil3_mean vs Slug, Sign Corrected




Left: 3.003+/-0.000 $\chi^2$/NDF: 14440185336752927
Right In: -36.540+/-0.000 $\chi^2$/NDF: 2543518678614446092026376338643353 60.0/14
Right: -2.265+/-0.000 $\chi^2$/NDF: 1939933040270060
Left Out: -85.570+/-0.000 $\chi^2$/NDF:1435577762575479908655916407324672 00.0/11
In: 38.154+/-0.000 $\chi^2$/NDF:64516085545673936
Right Out: 31.085+/-0.000 $\chi^2$/NDF: 1812910791193816361784084988763832 32.0/15
Out: -36.355+/-0.000 $\chi^2$/NDF:5572346140178000
Left In: 90.618+/-0.000 $\chi^2$/NDF:3308983308362640811729795549862297 6.0/10
All: 0.805+/-0.000 $\chi^2$/NDF: 16401400360245

# dit_4aX_coil3_err_mean vs Slug, Sign Corrected




Right In: 2.867+/-0.000 $\chi^2$/NDF: 3455499087584693564208174061322240.0/14

Left Out: 2.192+/-0.000 $\chi^2$/NDF:7604390678914156108458001589862 4.0/11

Right Out: -2.821+/-0.000 $\chi^2$/NDF: 3052948718107902490497172912472064.0/15

Left In: -2.317+/-0.000 $\chi^2$/NDF:1143725647250798890990132852162 56.0/10

Left: -0.075+/-0.000 $\chi^2$/NDF: 95306809315306736

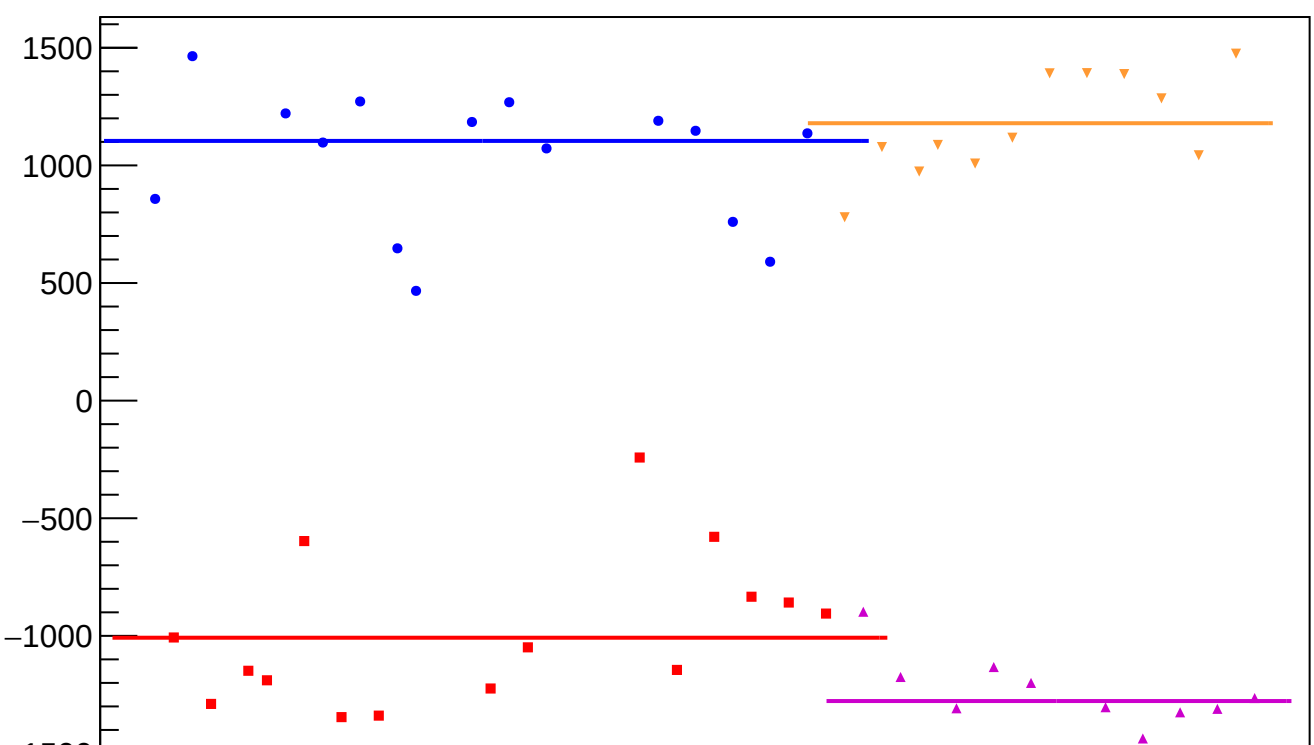
Right: -0.016+/-0.000 $\chi^2$/NDF: 1715222089110172

In: -0.178+/-0.000 $\chi^2$/NDF:138149448631133165

Out: 0.077+/-0.000 $\chi^2$/NDF:12819402023000433 0

All: -0.050+/-0.000 $\chi^2$/NDF: 2668555650335

# dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

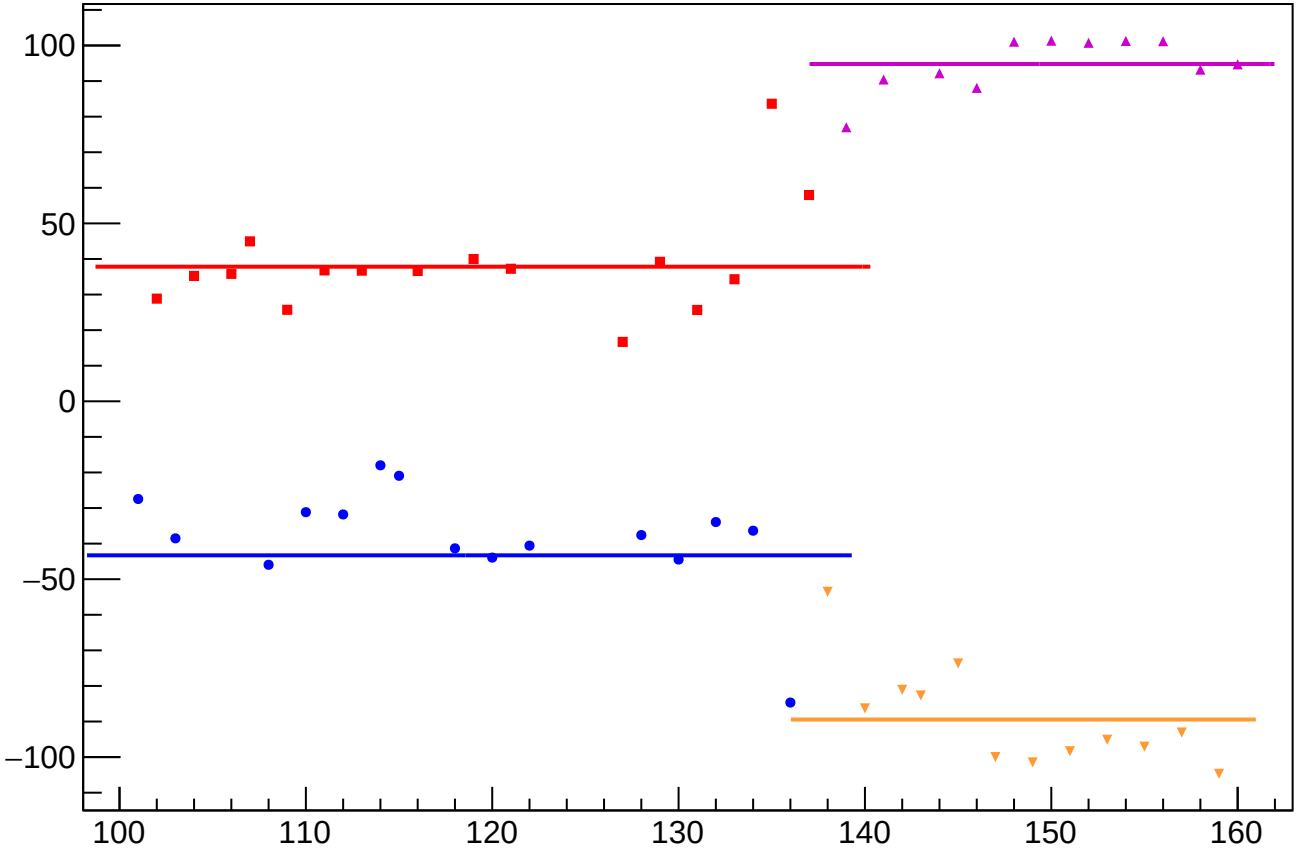
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 690778780098739656226959396274773688 32.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:1952554182211910

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_4eX_coil3_mean vs Slug, Sign Corrected




Left: 3.181+/-0.000 $\chi^2$/NDF: 158268282831051271

Right In: -43.289+/-0.000 $\chi^2$/NDF: 199342736778845281087197523996573696.0/14

Right: -2.174+/-0.000 $\chi^2$/NDF: 2512687101518028

Left Out: -89.439+/-0.000 $\chi^2$/NDF:181119962985690841138788427972476928.0/11

In: 37.826+/-0.000 $\chi^2$/NDF:751790372998047563

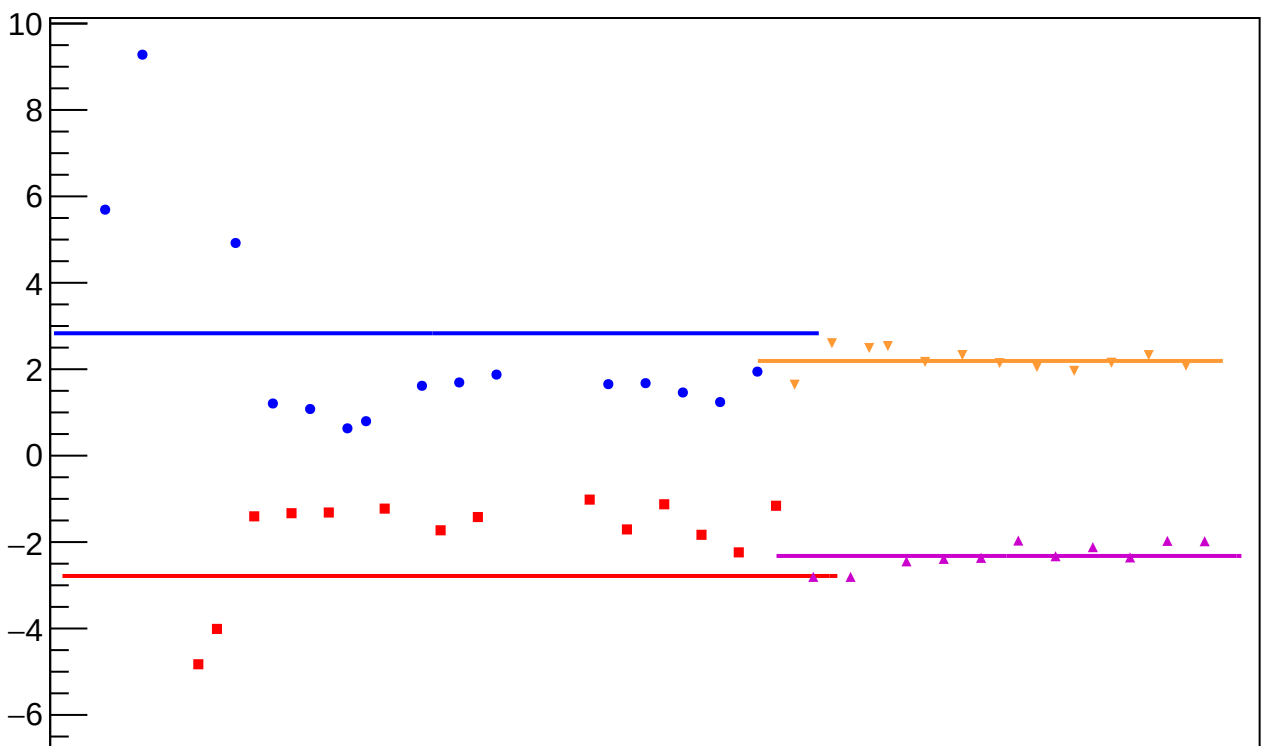
Right Out: 37.832+/-0.000 $\chi^2$/NDF: 148683933977204936634636843897323520.0/15

Out: -35.745+/-0.000 $\chi^2$/NDF:6575776048743356

Left In: 94.799+/-0.000 $\chi^2$/NDF:490770500326110069821569680749363 20.0/10

All: 0.947+/-0.000 $\chi^2$/NDF: 1836150818238

# dit_4eX_coil3_err_mean vs Slug, Sign Corrected




Left: -0.077+/-0.000 $\chi^2$/NDF: 94909091783771973

Right In: 2.832+/-0.000 $\chi^2$/NDF: 39576725319290173285125643231559 68.0/14

Right: -0.015+/-0.000 $\chi^2$/NDF: 1792170452533502

Left Out: 2.192+/-0.000 $\chi^2$/NDF:5960155924741500894781652546355 2.0/11

In: -0.195+/-0.000 $\chi^2$/NDF:1415385013408516 11

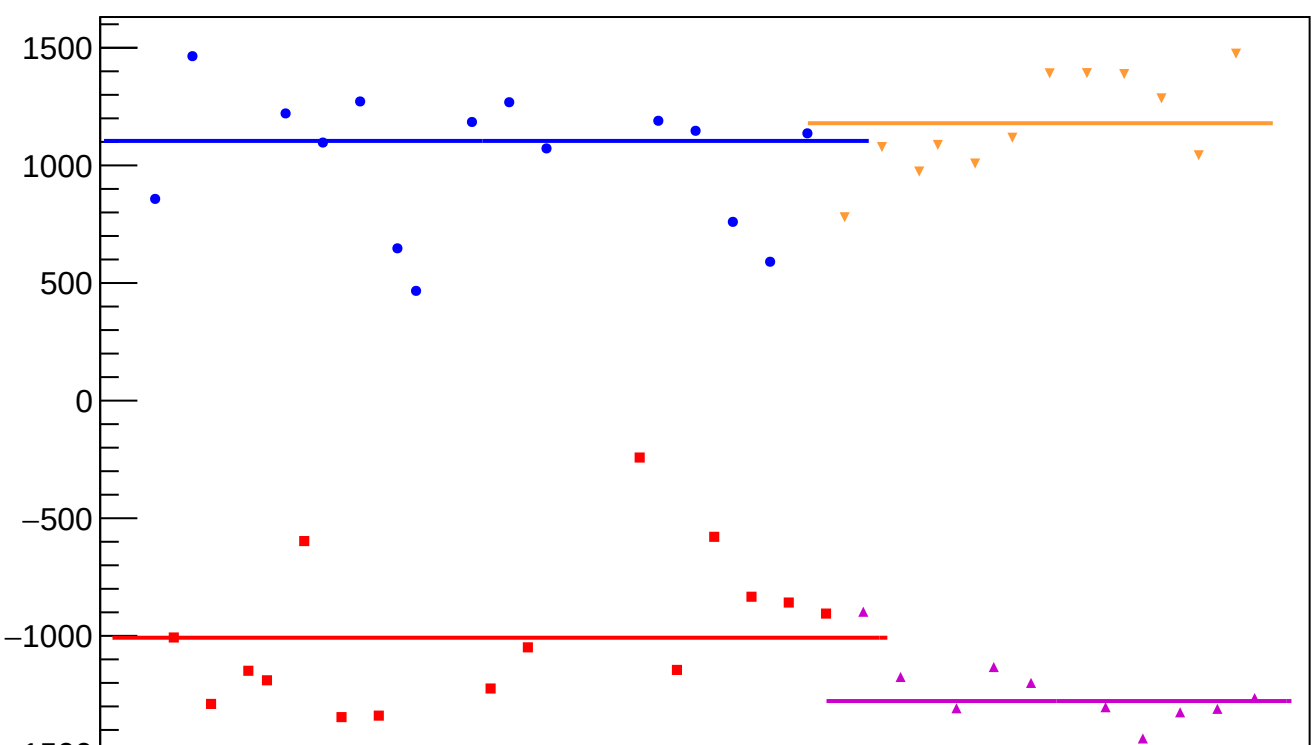
Right Out: -2.784+/-0.000 $\chi^2$/NDF: 3589544956108116898091236897849344.0/15

Out: 0.092+/-0.000 $\chi^2$/NDF:1319660578541495 19

Left In: -2.321+/-0.000 $\chi^2$/NDF:7461912322461632454440450523 1360.0/10

All: -0.051+/-0.000 $\chi^2$/NDF: 2741558316748

# dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

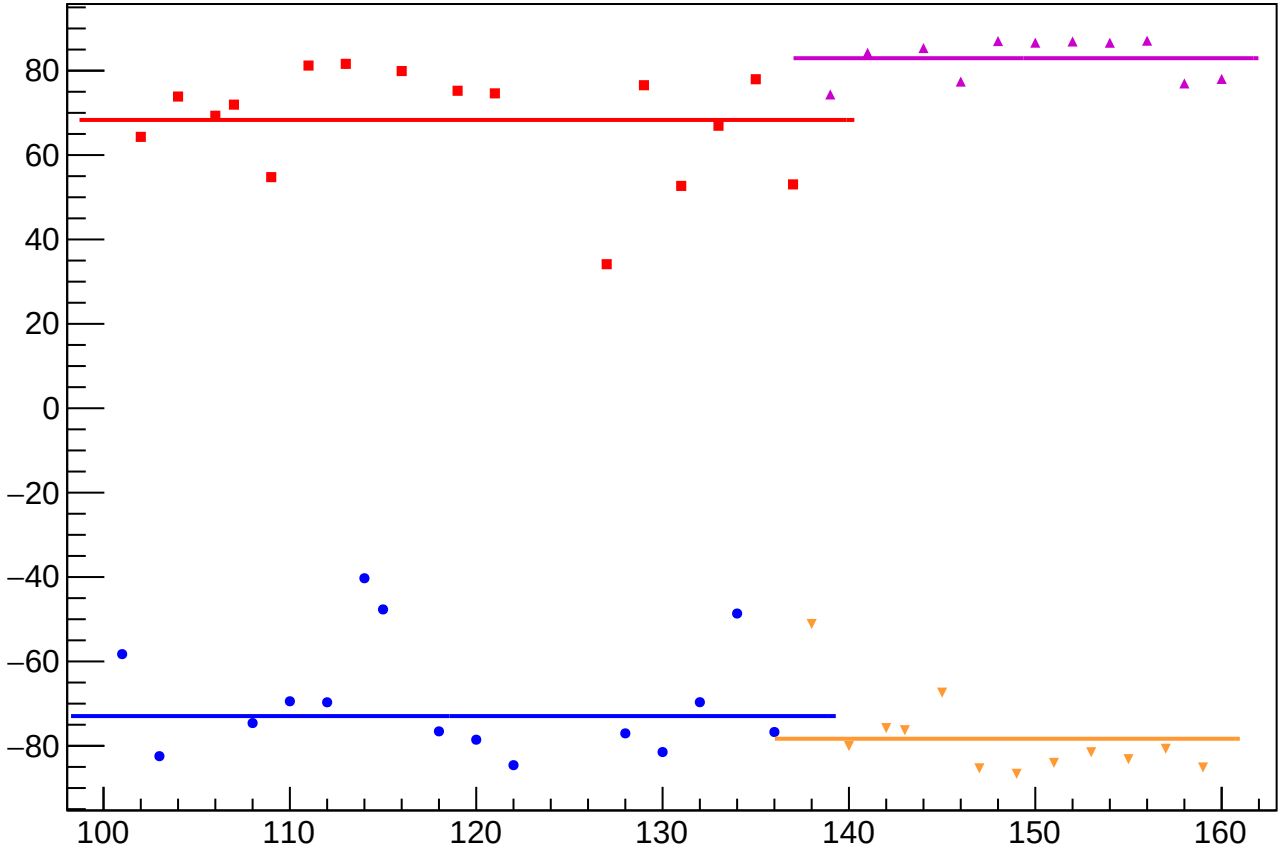
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 690778780098739656226959396274773688 32.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:1952554182211910

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737420 8.0/10

All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_11X12X_coil3_mean vs Slug, Sign Corrected




Left: 2.757+/-0.000 $\chi^2$/NDF: 120577028568665653

Right In: -72.949+/-0.000 $\chi^2$/NDF: 6575542846485798030687912629108736 0.0/14

Right: -1.347+/-0.000 $\chi^2$/NDF: 6737392391922205

Left Out: -78.317+/-0.000 $\chi^2$/NDF:868589325876711885940874151607664 64.0/11

In: 18.630+/-0.000 $\chi^2$/NDF:935227547229560147

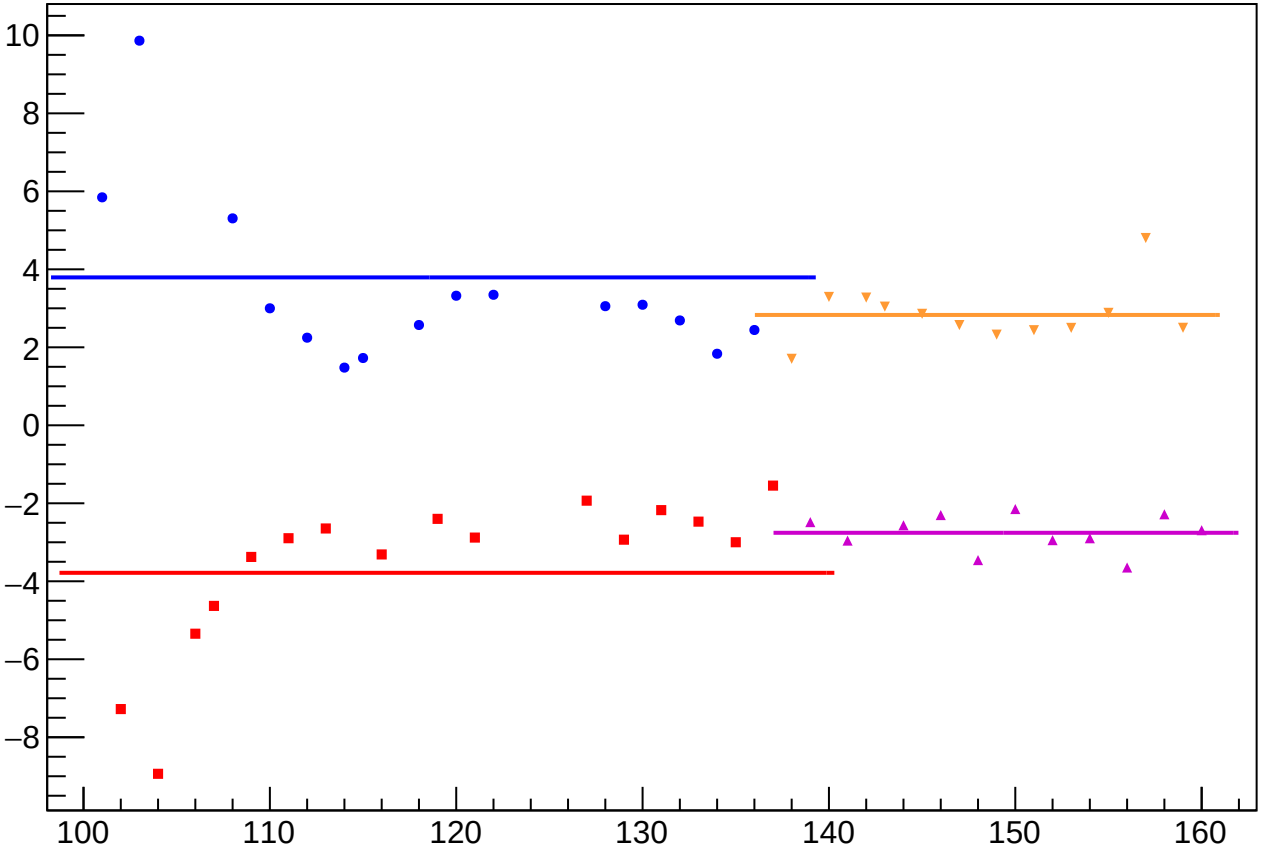
Right Out: 68.324+/-0.000 $\chi^2$/NDF: 1066943448982023644833671313725849 60.0/15

Out: -16.451+/-0.000 $\chi^2$/NDF:8485315004637869

Left In: 82.954+/-0.000 $\chi^2$/NDF:204191577748772978492053031705640 96.0/10

All: 1.045+/-0.000 $\chi^2$/NDF: 1880801156865

# dit_11X12X_coil3_err_mean vs Slug, Sign Corrected




Left: 0.021+/-0.000 $\chi^2$/NDF: 15025603203448953

Right In: 3.793+/-0.000 $\chi^2$/NDF: 32053892427261296197962908104130 56.0/14

Right: -0.047+/-0.000 $\chi^2$/NDF: 2496367810067656

Left Out: 2.830+/-0.000 $\chi^2$/NDF:49274902602883890794782962116 1984.0/11

In: -0.054+/-0.000 $\chi^2$/NDF:19750496568510585 7

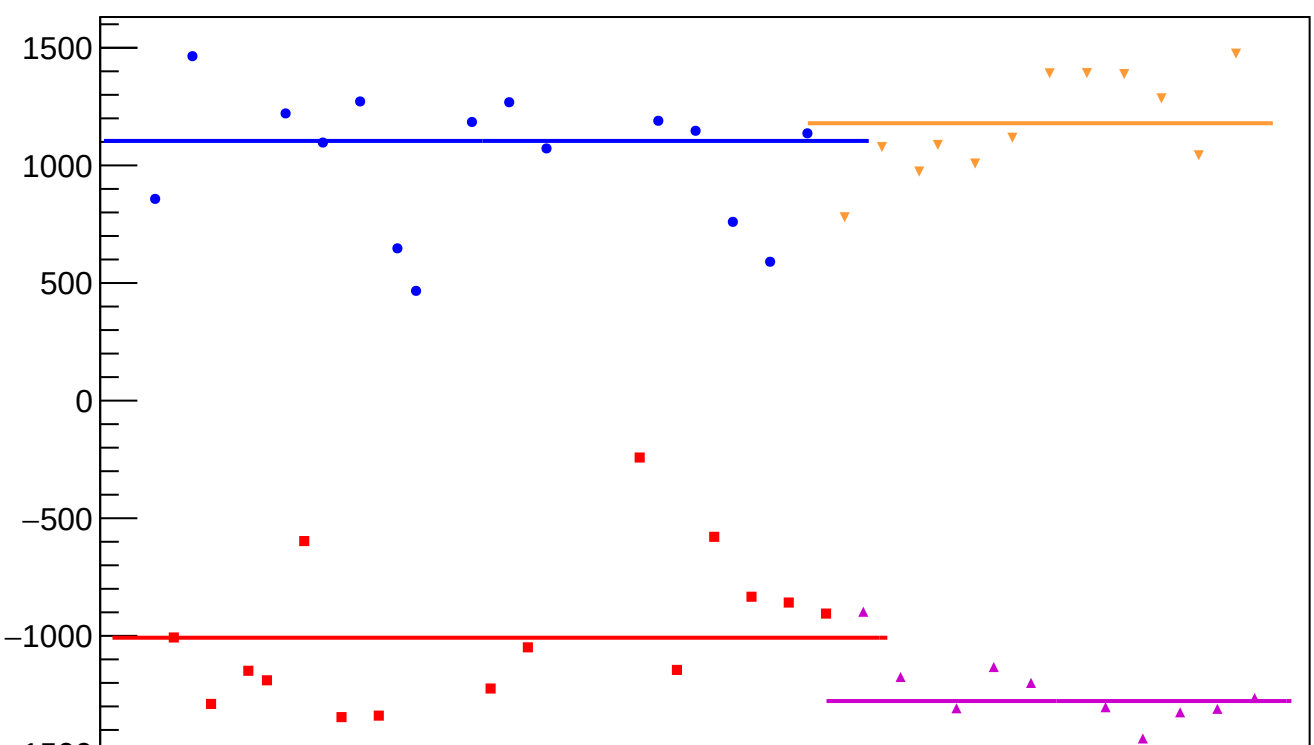
Right Out: -3.783+/-0.000 $\chi^2$/NDF: 28785866221926766544523387553710 08.0/15

Out: 0.040+/-0.000 $\chi^2$/NDF:20235343242589691 2

Left In: -2.757+/-0.000 $\chi^2$/NDF:19172074654773230622605404274688 0.0/10

All: -0.007+/-0.000 $\chi^2$/NDF: 3999287355304

# dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

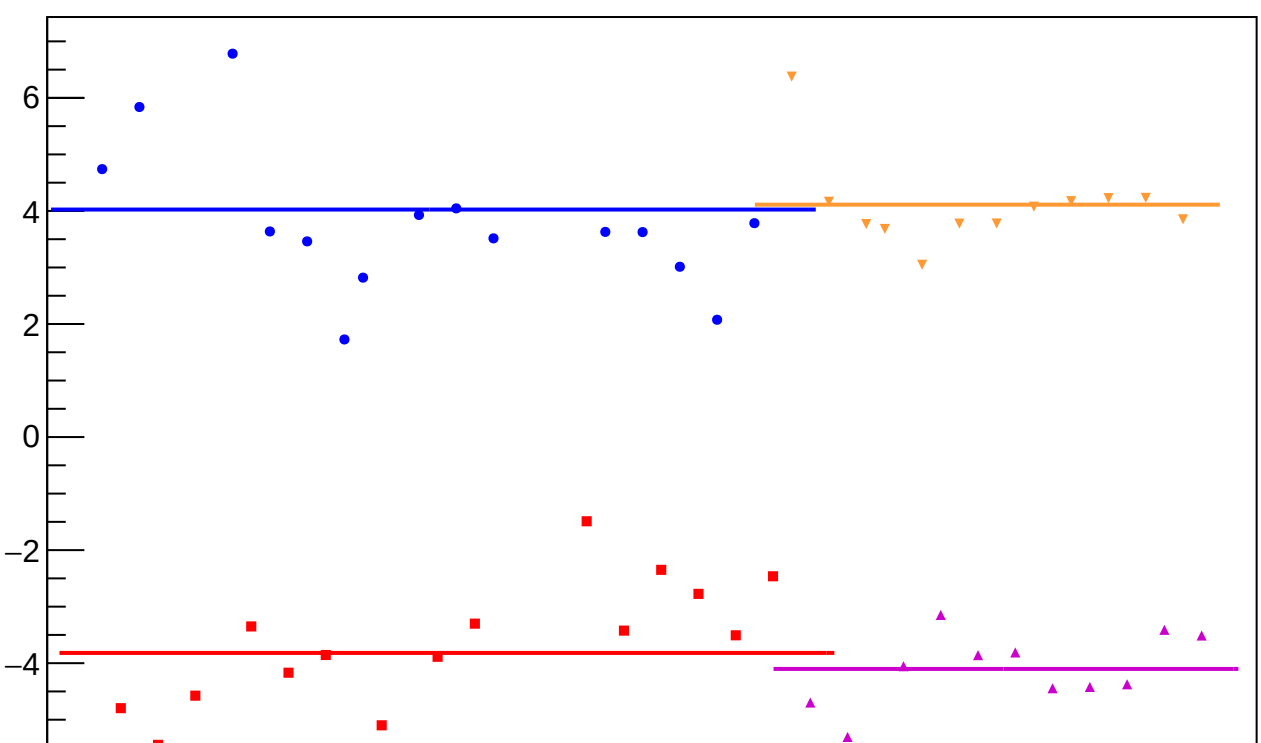
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:1952554182211910

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_4aY_coil3_mean vs Slug, Sign Corrected




Left: -0.018+/-0.000 $\chi^2$/NDF: 31853611122068431

Right In: 4.025+/-0.000 $\chi^2$/NDF: 769001650442321928129473832550400.0/14

Right: 0.050+/-0.000 $\chi^2$/NDF: 21892754887879739

Left Out: 4.111+/-0.000 $\chi^2$/NDF:532620096510613693690902891986944.0/11

In: -0.749+/-0.000 $\chi^2$/NDF:26275294393356203 3

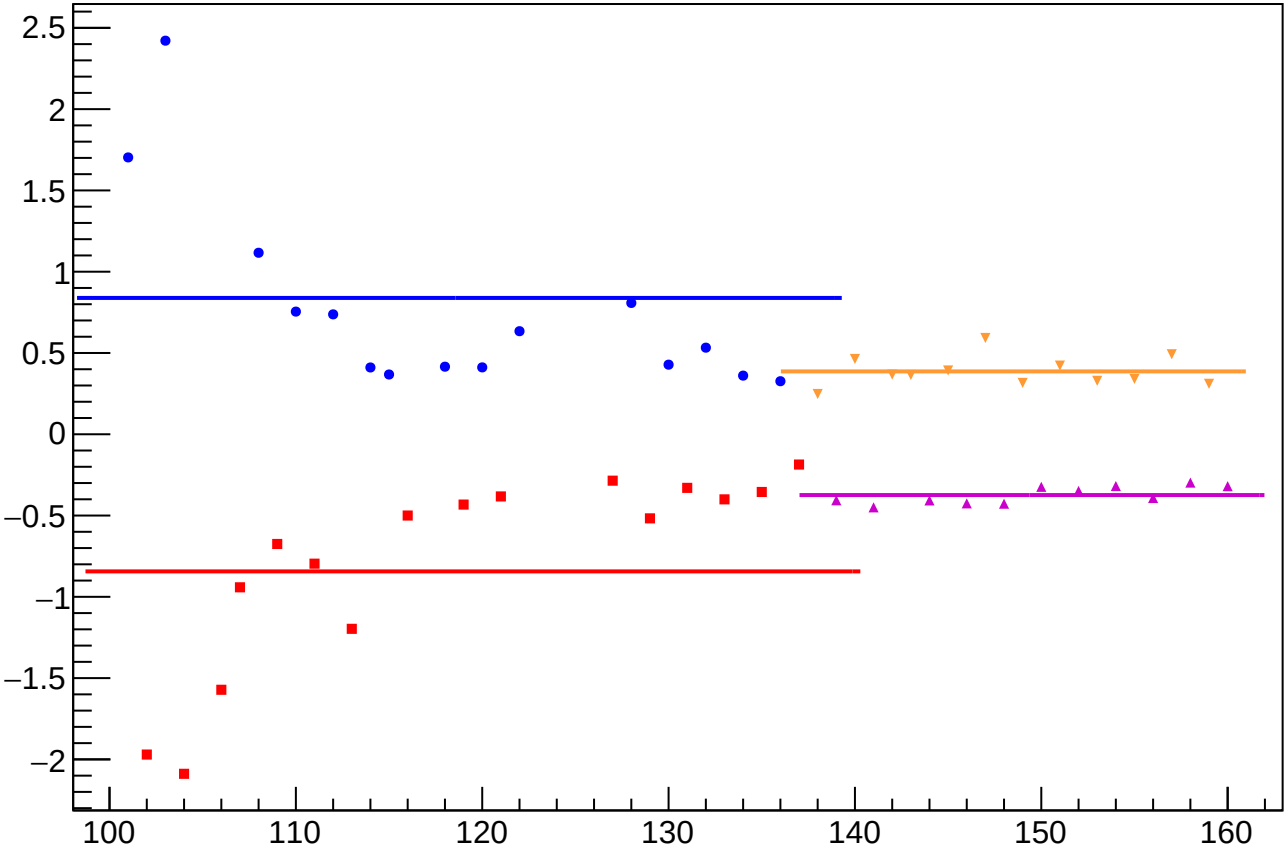
Right Out: -3.819+/-0.000 $\chi^2$/NDF: 88823224022643432911485917147955 2.0/15

Out: 0.766+/-0.000 $\chi^2$/NDF:25666157664453877 9

Left In: -4.102+/-0.000 $\chi^2$/NDF:32997834360617370901906646577971 2.0/10

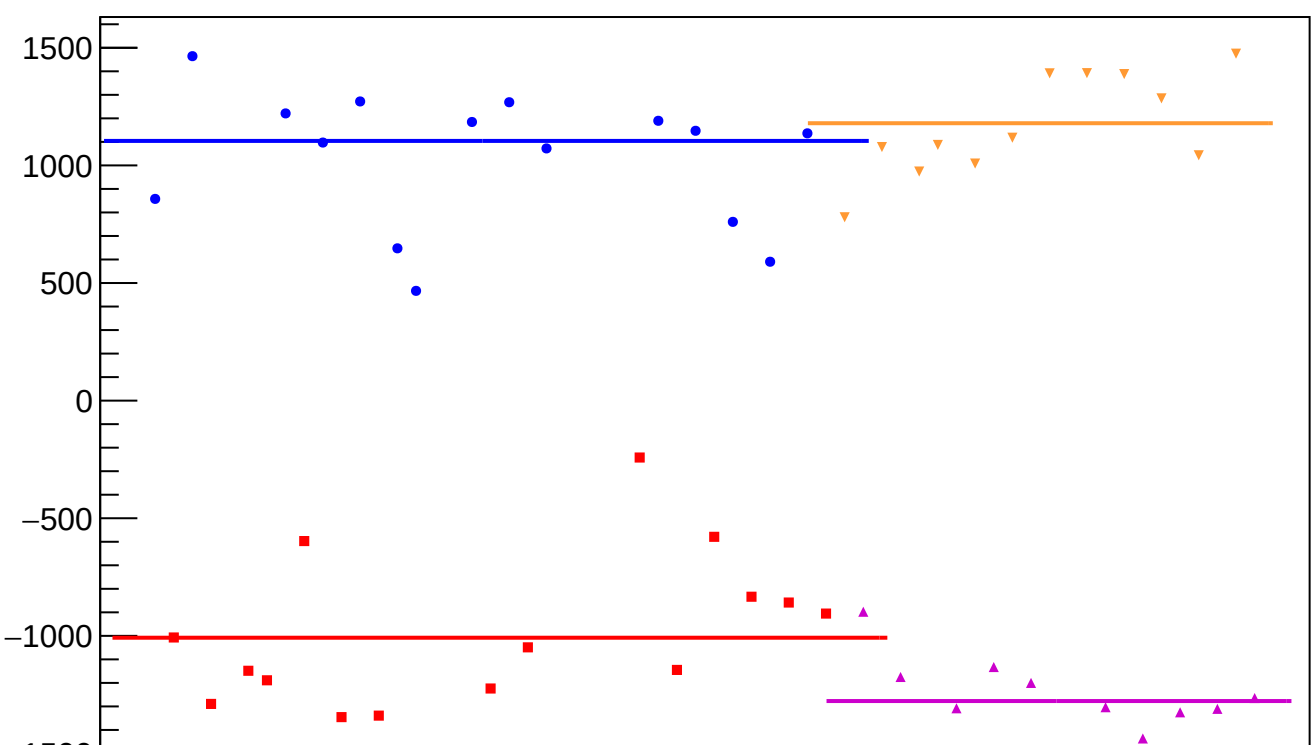
All: 0.010+/-0.000 $\chi^2$/NDF: 5374982991435 4

# dit_4aY_coil3_err_mean vs Slug, Sign Corrected




Left: 0.004+/-0.000 $\chi^2$/NDF: 27594858438302610
Right In: 0.839+/-0.000 $\chi^2$/NDF: 2584160253346156615211630838415 36.0/14
Right: -0.014+/-0.000 $\chi^2$/NDF: 1442205906502244
Left Out: 0.387+/-0.000 $\chi^2$/NDF:7656532010606705303389852401664.0/11
In: 0.126+/-0.000 $\chi^2$/NDF:8214812118150652652
Right Out: -0.844+/-0.000 $\chi^2$/NDF: 2529175093934327602406489189253 12.0/15
Out: -0.132+/-0.000 $\chi^2$/NDF:8441698023007620 5
Left In: -0.374+/-0.000 $\chi^2$/NDF:2408191855928929204652403064832.0/10
All: -0.003+/-0.000 $\chi^2$/NDF: 1718408465884

# dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

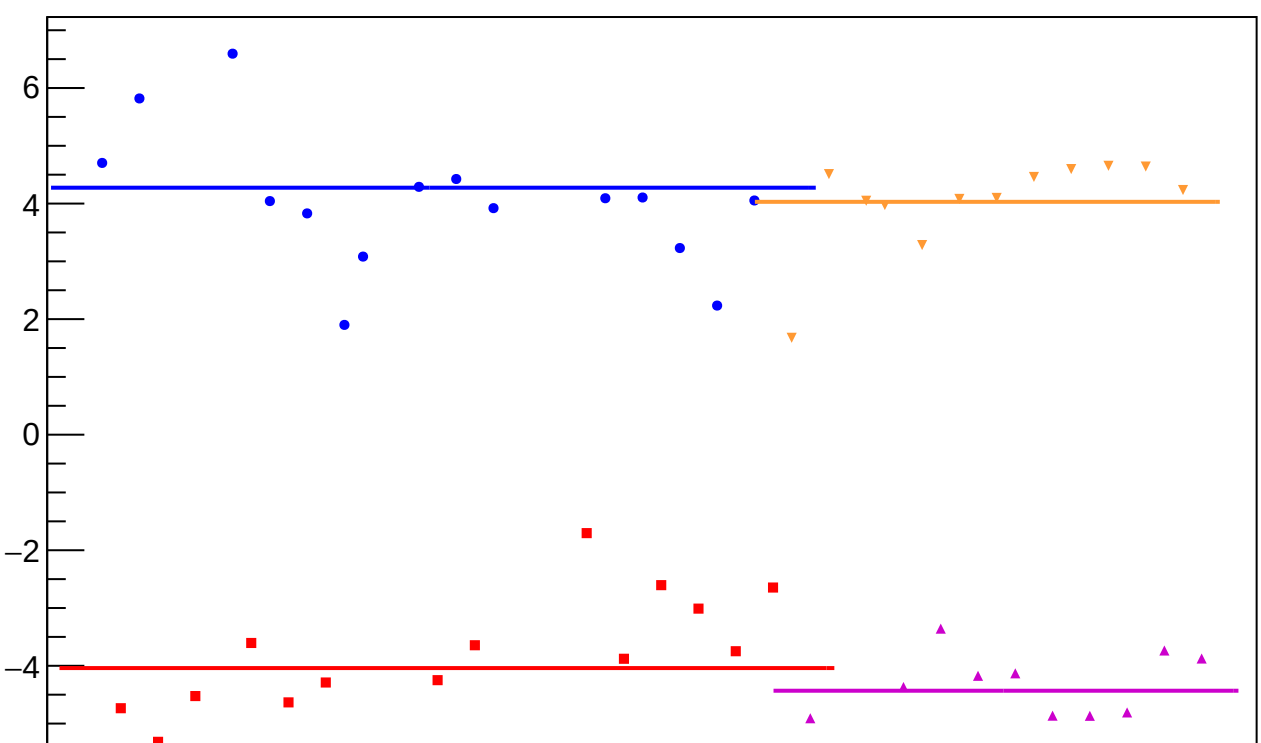
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 690778780098739656226959396274773688 32.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:1952554182211910

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737420 8.0/10

All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_4eY_coil3_mean vs Slug, Sign Corrected




Left: -0.224+/-0.000 $\chi^2$/NDF: 33846784910567174

Right In: 4.275+/-0.000 $\chi^2$/NDF: 597188707898198851792415435522048.0/14

Right: 0.061+/-0.000 $\chi^2$/NDF: 24108117163015416

Left Out: 4.030+/-0.000 $\chi^2$/NDF:600797720921367466879695481470976.0/11

In: -0.839+/-0.000 $\chi^2$/NDF:298405306819524431

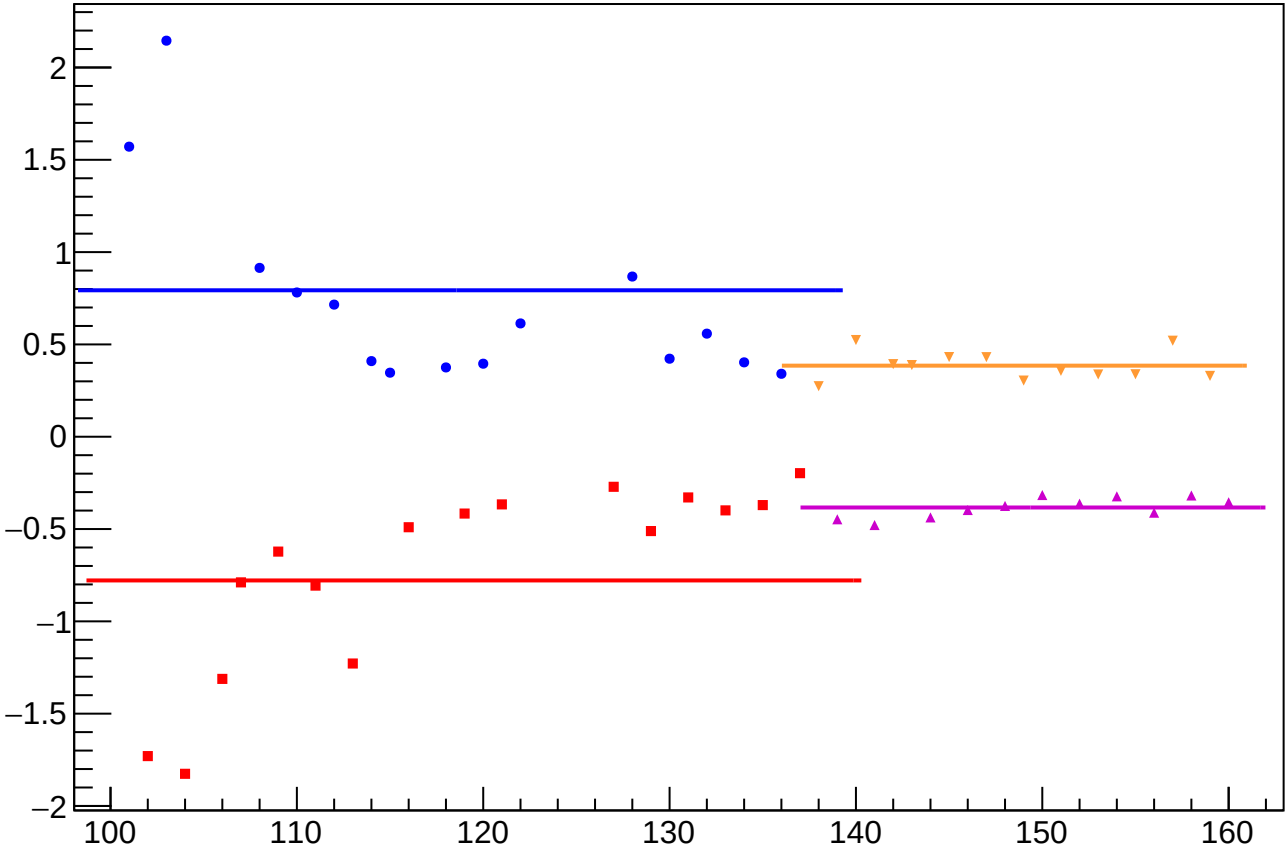
Right Out: -4.039+/-0.000 $\chi^2$/NDF: 772368848194464324973108765130752.0/15

Out: 0.626+/-0.000 $\chi^2$/NDF:264837106487294890

Left In: -4.432+/-0.000 $\chi^2$/NDF:345602703191245770554210363899904.0/10

All: -0.105+/-0.000 $\chi^2$/NDF: 5801697378090

# dit_4eY_coil3_err_mean vs Slug, Sign Corrected




Left: -0.001+/-0.000 $\chi^2$/NDF: 27939551285001420

Right In: 0.793+/-0.000 $\chi^2$/NDF: 195508777173589483440314700005376.0/14

Right: -0.003+/-0.000 $\chi^2$/NDF: 1193841006449656

Left Out: 0.385+/-0.000 $\chi^2$/NDF:5547784180240414411423653822464.0/11

In: 0.102+/-0.000 $\chi^2$/NDF:7258405978340592610

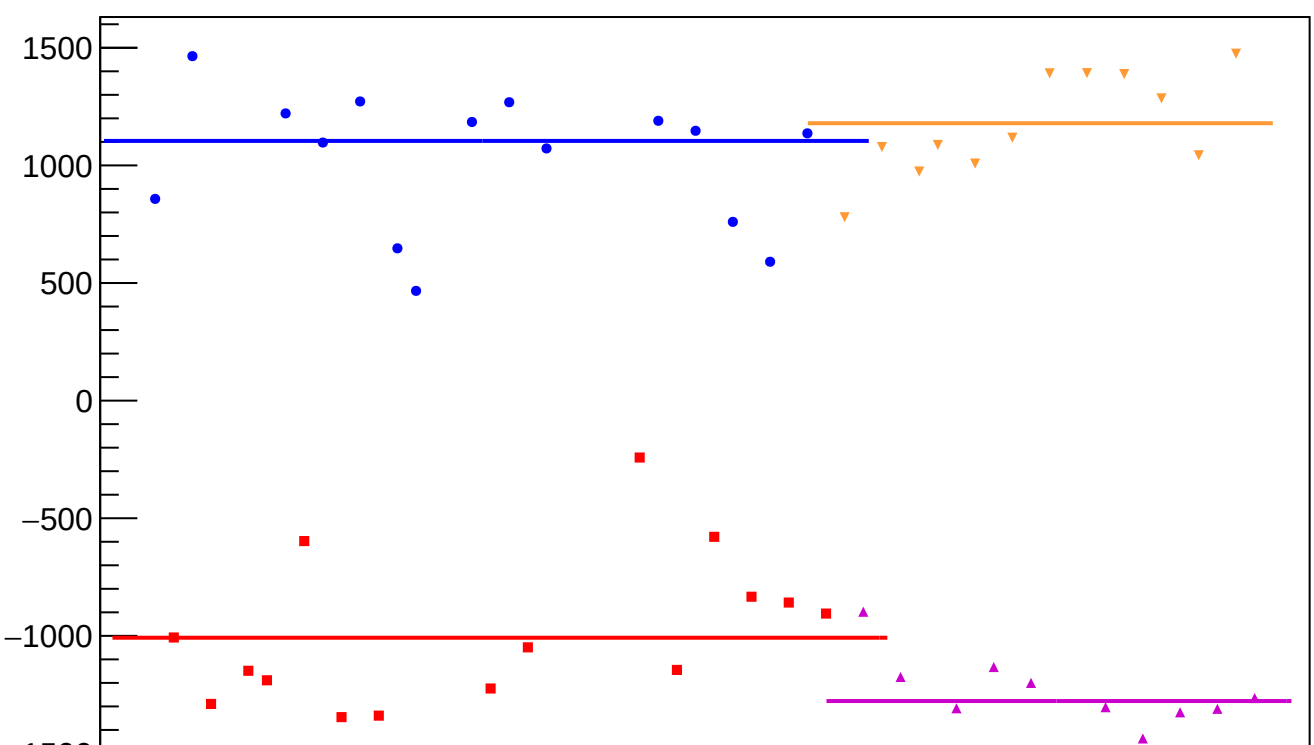
Right Out: -0.778+/-0.000 $\chi^2$/NDF: 185814635772183306063903690063872.0/15

Out: -0.106+/-0.000 $\chi^2$/NDF:71330081373871588

Left In: -0.383+/-0.000 $\chi^2$/NDF:2618375268437967875049691021312.0/10

All: -0.002+/-0.000 $\chi^2$/NDF: 1473239916142

# dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

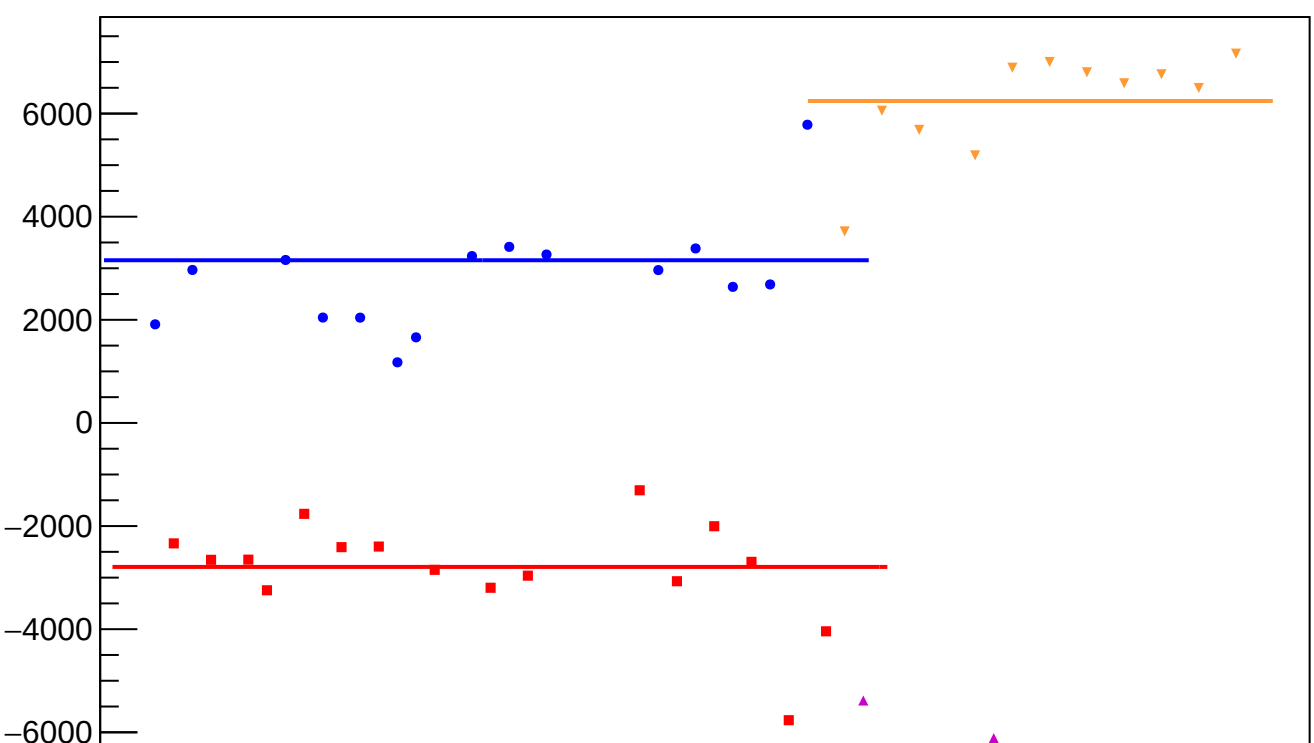
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:195255418221191 0

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_usl_coil3_mean vs Slug, Sign Corrected




Left: -455.070+/-0.000 $\chi^2$/NDF: 738907970764408

Right In: 3155.434+/-0.000 $\chi^2$/NDF: 9035505347736229021109182140336129966 08.0/14

Right: 140.919+/-0.000 $\chi^2$/NDF: 132143468168130

Left Out: 6243.976+/-0.000 $\chi^2$/NDF:811230786168378302780139165688711348224.0/10

In: -2572.599+/-0.000 $\chi^2$/NDF:373790912122959

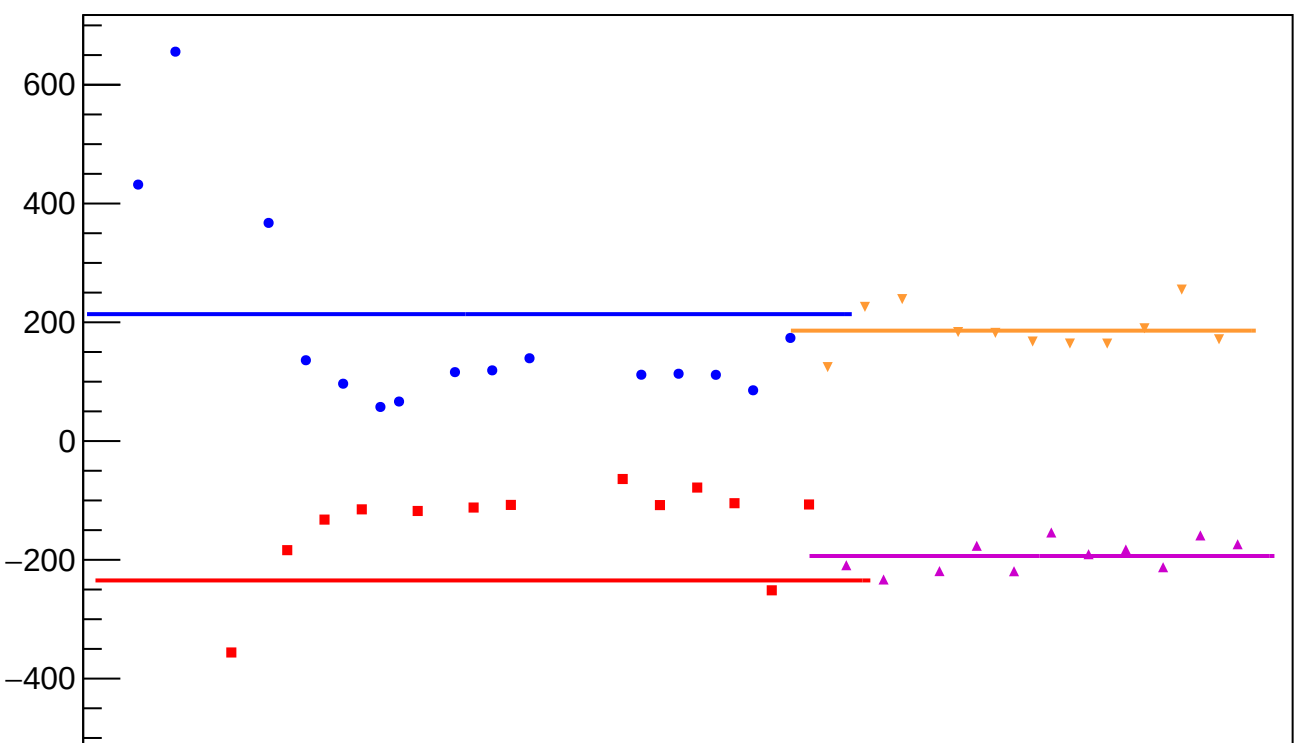
Right Out: -2792.245+/-0.000 $\chi^2$/NDF: 6746357493241730019732644275309867171 84.0/15

Out: 2263.025+/-0.000 $\chi^2$/NDF:319547842055844

Left In: -6595.861+/-0.000 $\chi^2$/NDF:2251648057154003686710438267458640936 96.0/10

All: -200.997+/-0.000 $\chi^2$/NDF: 87373315799

# dit_usl_coil3_err_mean vs Slug, Sign Corrected




Left: -12.048+/-0.000 $\chi^2$/NDF: 6529786806410777

Right In: 213.739+/-0.000 $\chi^2$/NDF: 19718138109054002114361149860507287552.0/14

Right: -13.554+/-0.000 $\chi^2$/NDF: 109883652295878

Left Out: 185.948+/-0.000 $\chi^2$/NDF:105770660759576758358797484664081612 8.0/10

In: -25.504+/-0.000 $\chi^2$/NDF:83555095892474159

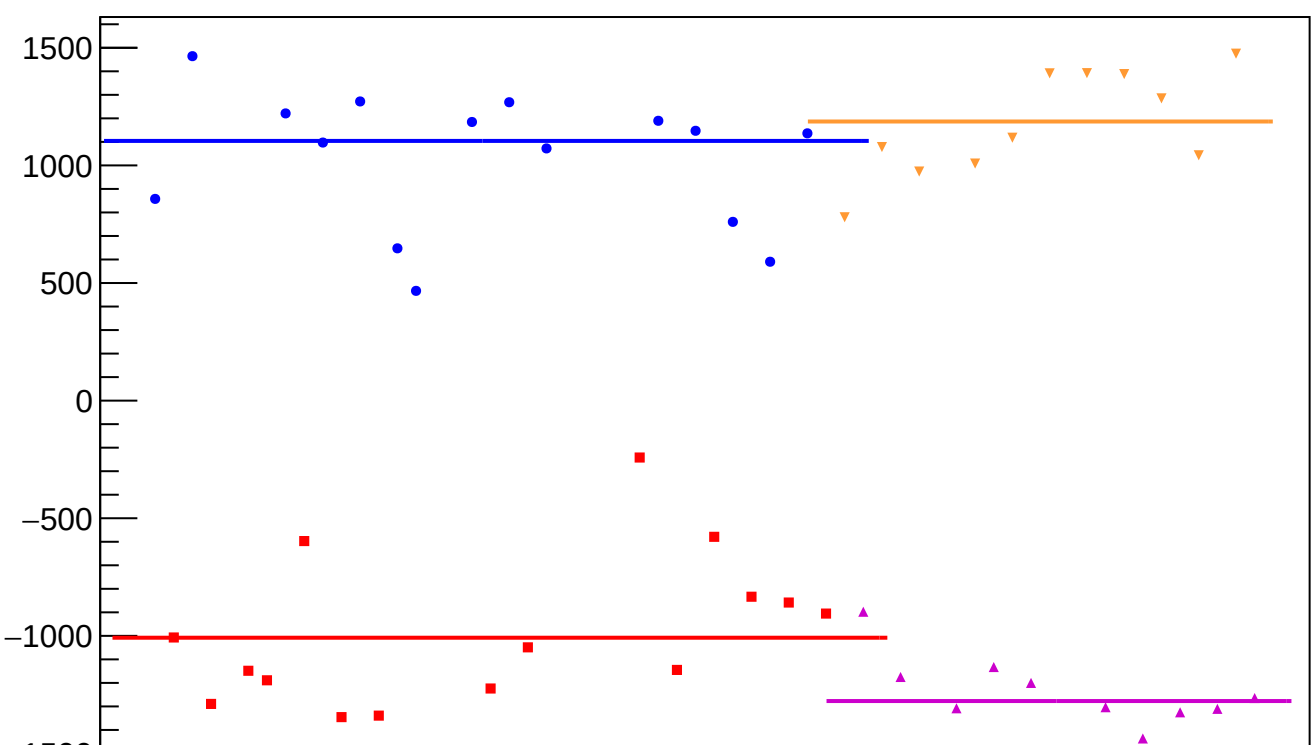
Right Out: -234.712+/-0.000 $\chi^2$/NDF: 240131341071672148951890504810674257 92.0/15

Out: 0.624+/-0.000 $\chi^2$/NDF:91101505567681952 5

Left In: -193.543+/-0.000 $\chi^2$/NDF:5989311506442933326802170578814894 08.0/10

All: -12.690+/-0.000 $\chi^2$/NDF: 175183232937

# dit_usl_coil3_Ndata_mean vs Slug, Sign Corrected




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 3273784159158745425152190642154530406 4.0/14

Left Out: 1186.635+/-0.000 $\chi^2$/NDF:381272901824193730906366146032361799 68.0/10

Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000 $\chi^2$/NDF:295787299016026479980738189360973742 08.0/10

Left: -98.791+/-0.000 $\chi^2$/NDF: 2750108583859337

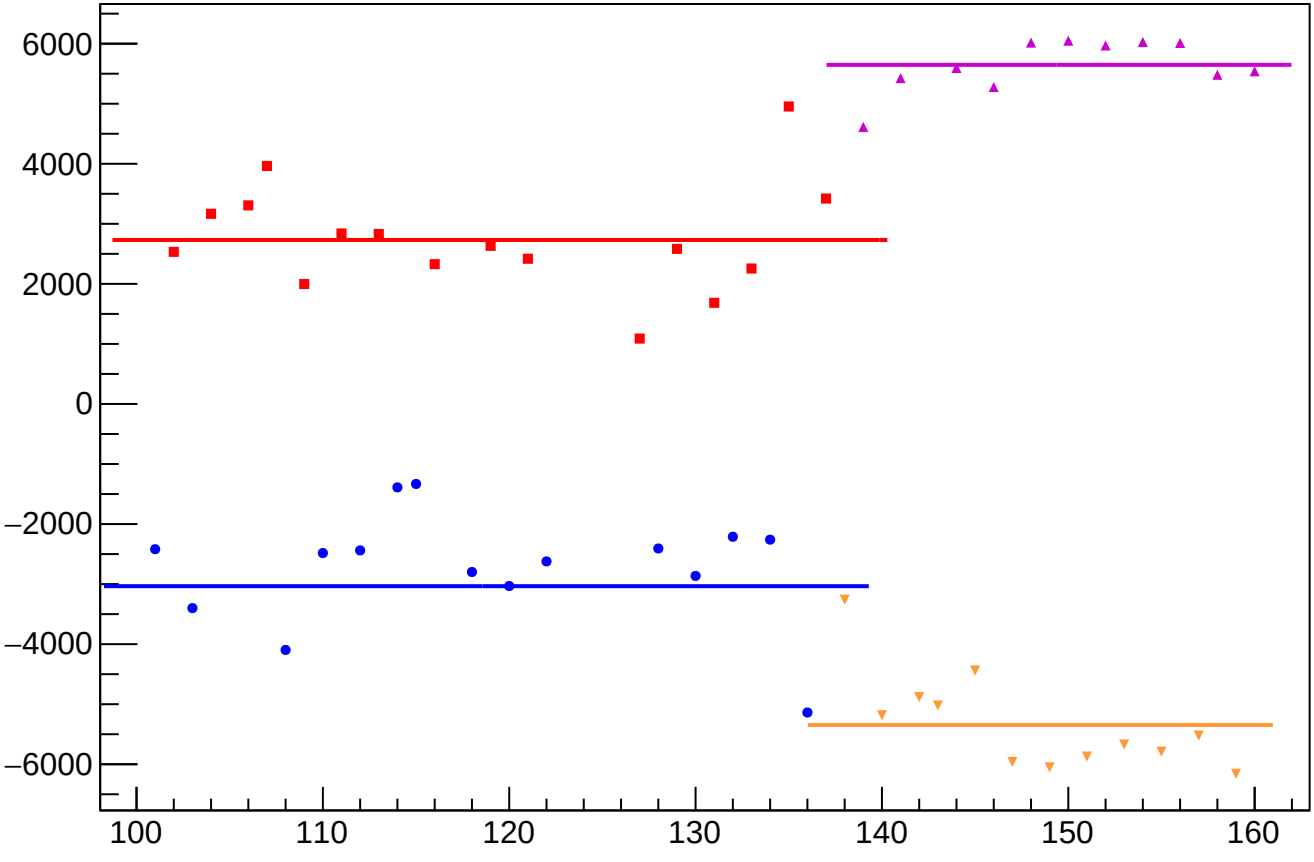
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

Out: 219.820+/-0.000 $\chi^2$/NDF:190429861464471 8

All: -42.327+/-0.000 $\chi^2$/NDF: 433243619432

# dit_usr_coil3_mean vs Slug, Sign Corrected




Left: 180.580+/-0.000 $\chi^2$/NDF: 5629644567862069

Right In: -3034.527+/-0.000 $\chi^2$/NDF: 630694553353463868547335175090919702528.0/14

Right: -112.316+/-0.000 $\chi^2$/NDF: 12093460154256

Left Out: -5346.287+/-0.000 $\chi^2$/NDF:5958304557748005533830020957823377080 32.0/11

In: 2065.482+/-0.000 $\chi^2$/NDF:2953204271382502

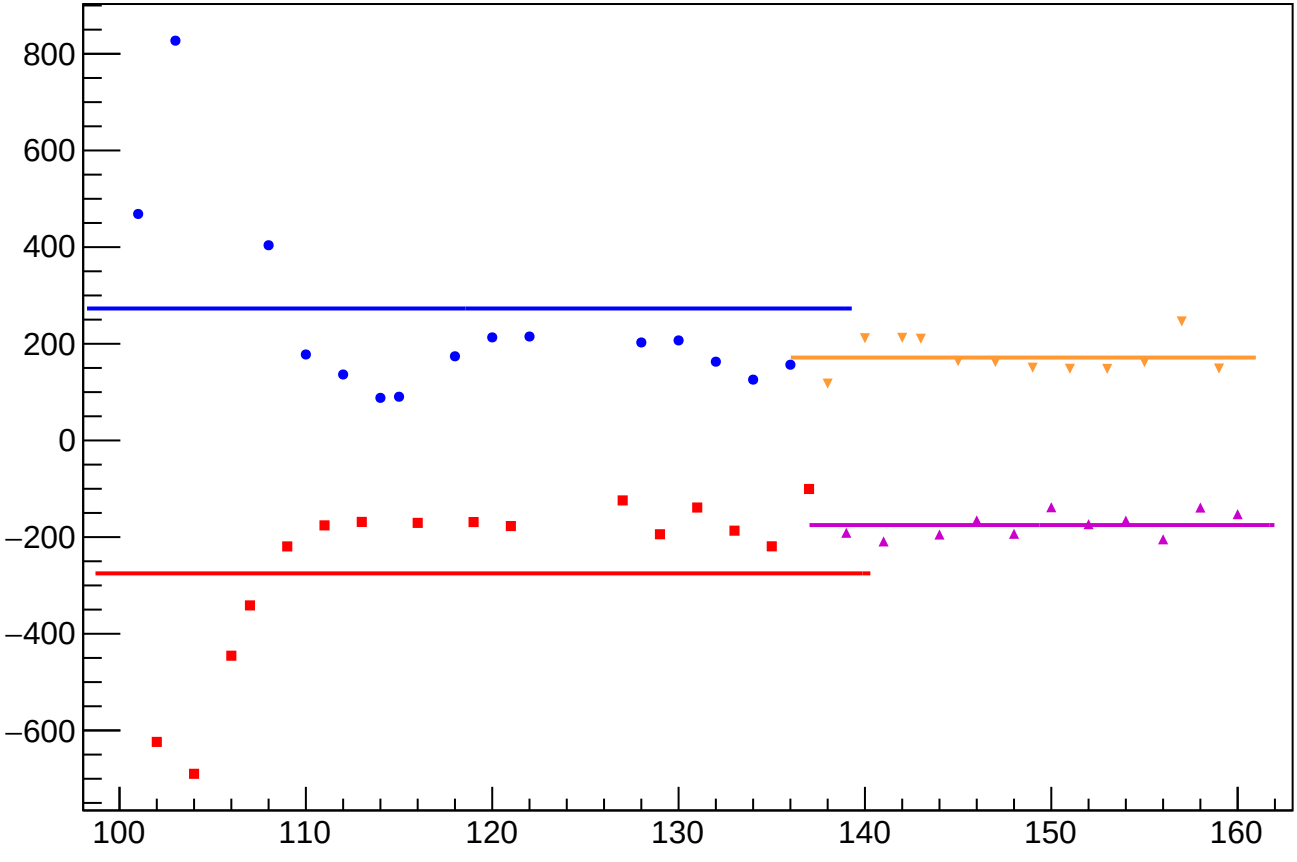
Right Out: 2731.035+/-0.000 $\chi^2$/NDF: 5282908477035679915556946292392119500 80.0/15

Out: -1938.587+/-0.000 $\chi^2$/NDF:26282051967126

Left In: 5647.632+/-0.000 $\chi^2$/NDF:16421431290803564521512635693549171507 2.0/10

All: 58.370+/-0.000 $\chi^2$/NDF: 684556968477

# dit_usr_coil3_err_mean vs Slug, Sign Corrected




Left: -2.734+/-0.000 $\chi^2$/NDF: 56898976586589757

Right In: 273.039+/-0.000 $\chi^2$/NDF: 2648593505334117509291379521218412544 0.0/14

Right: -4.751+/-0.000 $\chi^2$/NDF: 1475618476041152

Left Out: 171.517+/-0.000 $\chi^2$/NDF:116220444612441845226576344420607590 4.0/11

In: 9.796+/-0.000 $\chi^2$/NDF:10358026016022770 92

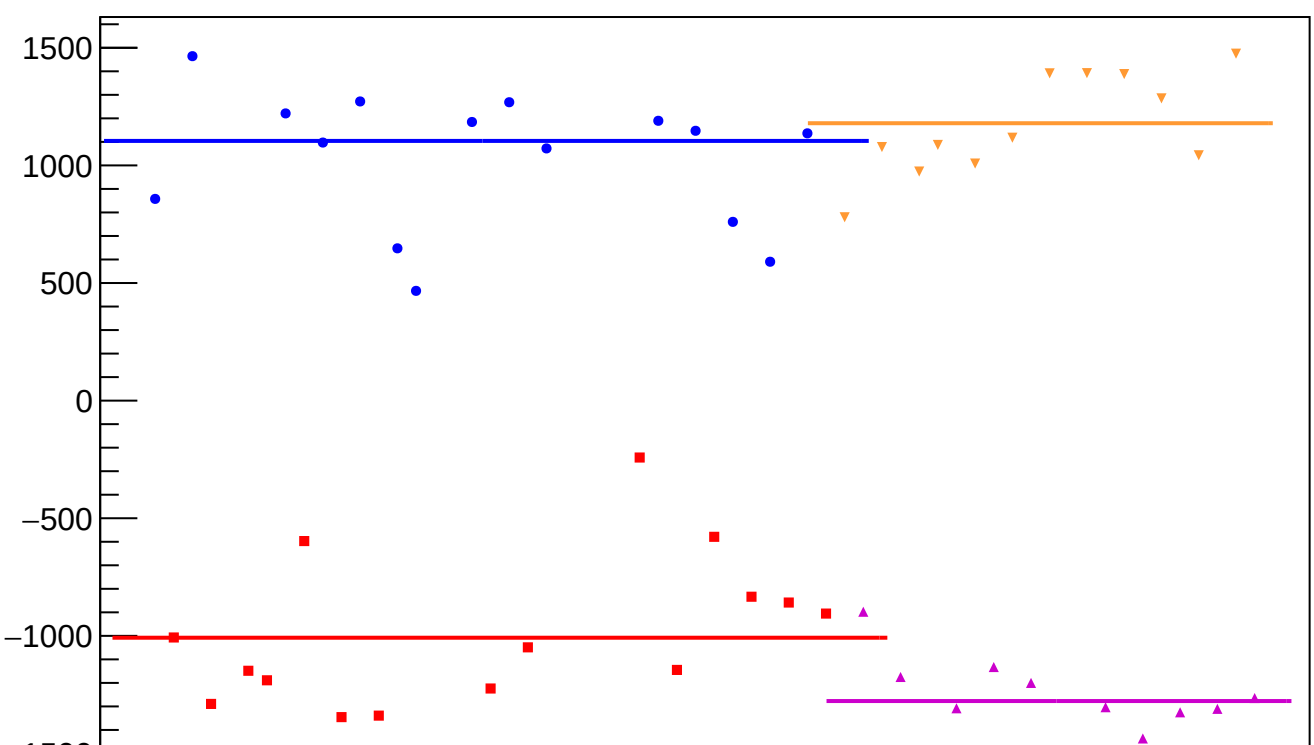
Right Out: -275.044+/-0.000 $\chi^2$/NDF: 2226476008875290179256189299165705011 2.0/15

Out: -16.880+/-0.000 $\chi^2$/NDF:1003225780915381

Left In: -175.100+/-0.000 $\chi^2$/NDF:5323199057603165228144709090966241 28.0/10

All: -3.576+/-0.000 $\chi^2$/NDF: 2044639421545

# dit_usr_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

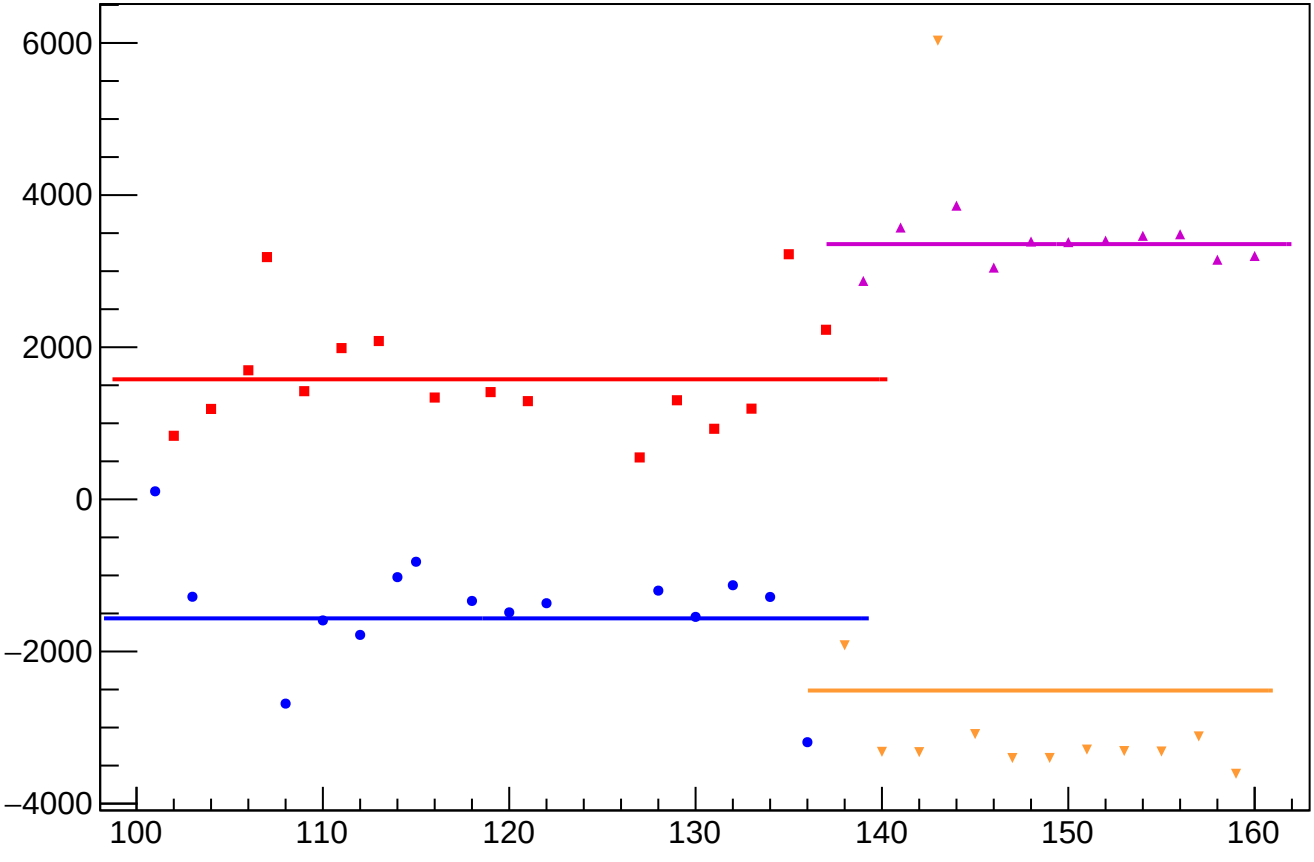
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:195255418221191 0

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

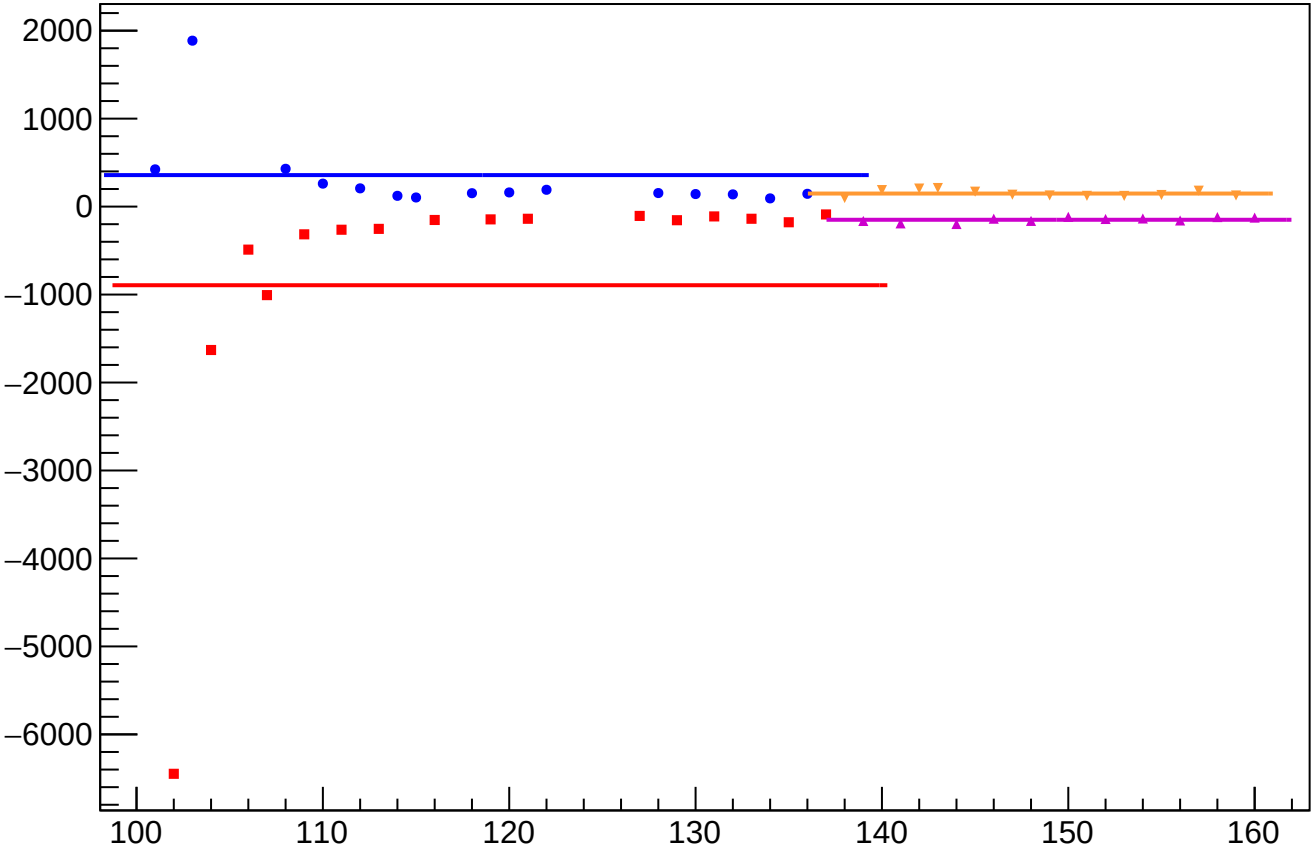
All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_atl1_coil3_mean vs Slug, Sign Corrected



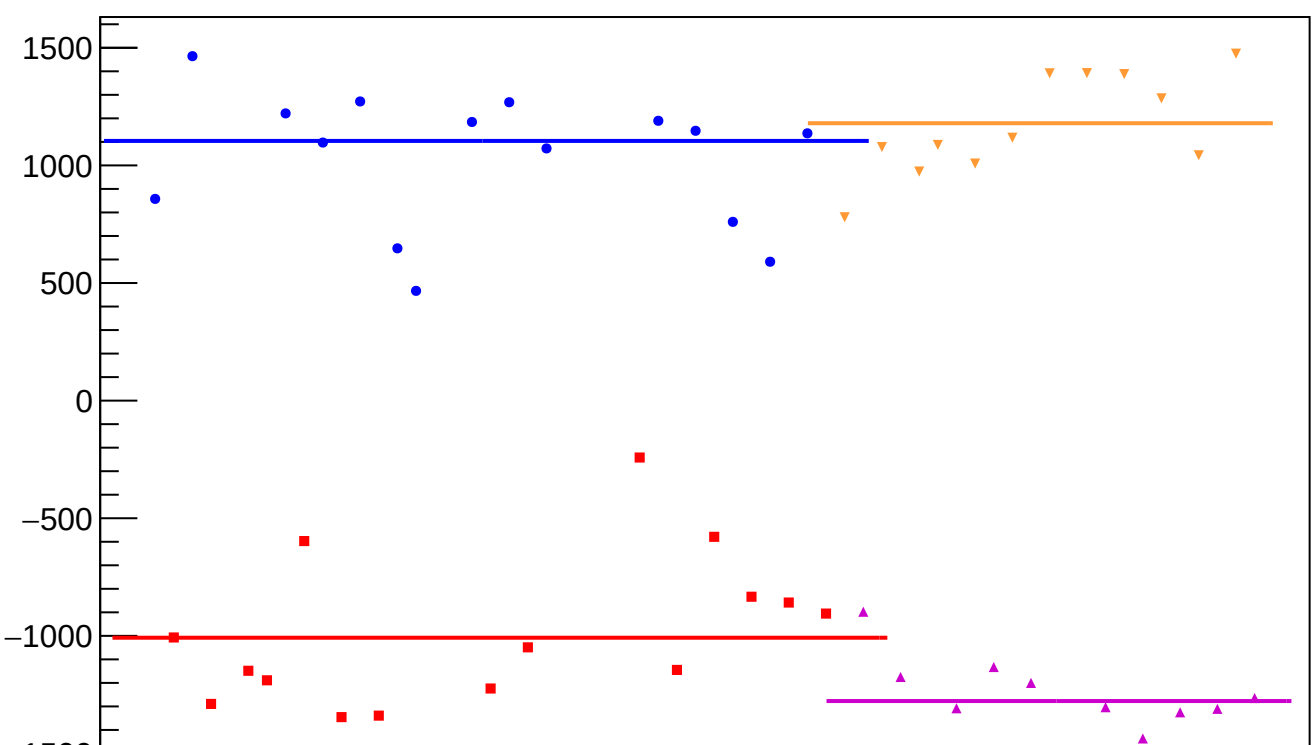

Left: 437.231+/-0.000 $\chi^2$/NDF: 2131924326486959
Right In: -1564.595+/-0.000 $\chi^2$/NDF: 48387480097857104257897575702903914496 0.0/14
Right: 28.285+/-0.000 $\chi^2$/NDF: 4101258280925694
Left Out: -2513.182+/-0.000 $\chi^2$/NDF:5431127813565364988673729418683400323072.0/11
In: 1325.655+/-0.000 $\chi^2$/NDF:977485555576157 5
Right Out: 1578.178+/-0.000 $\chi^2$/NDF: 3684505725562175640719632035810985902 08.0/15
Out: -787.099+/-0.000 $\chi^2$/NDF:122542710245159
Left In: 3355.712+/-0.000 $\chi^2$/NDF:6160312843004433398099012587709320396 8.0/10
All: 266.599+/-0.000 $\chi^2$/NDF: 25548755731

# dit_atl1_coil3_err_mean vs Slug, Sign Corrected




Left: -1.546+/-0.000 $\chi^2$/NDF: 42591718488855068
Right In: 358.080+/-0.000 $\chi^2$/NDF: 1579227891456978581656444520902028165 12.0/14
Right: -276.471+/-0.000 $\chi^2$/NDF: 27494361834519
Left Out: 148.359+/-0.000 $\chi^2$/NDF:10902863317333660825812569708078039 04.0/11
In: 59.728+/-0.000 $\chi^2$/NDF:25691507799210532
Right Out: -893.897+/-0.000 $\chi^2$/NDF: 20759201557742010435726956567978039 05024.0/15
Out: -291.353+/-0.000 $\chi^2$/NDF:249588983045036
Left In: -149.829+/-0.000 $\chi^2$/NDF:6457567181728928043846046350049280 00.0/10
All: -116.258+/-0.000 $\chi^2$/NDF: 28499930865

# dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

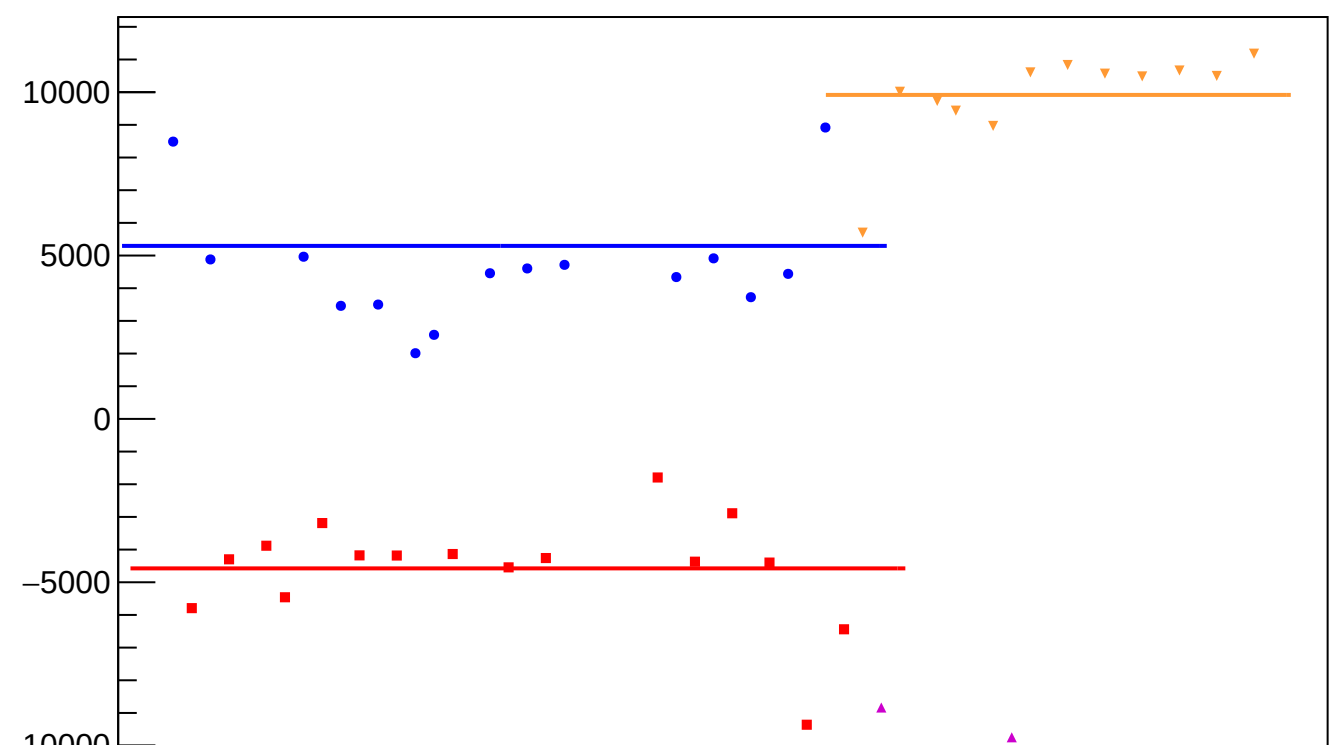
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:195255418221191 0

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_atl2_coil3_mean vs Slug, Sign Corrected




Left: -394.633+/-0.000 $\chi^2$/NDF: 195607955774954

Right In: 5295.485+/-0.000 $\chi^2$/NDF: 250564523296826327544404801609318321356 8.0/14

Right: 292.602+/-0.000 $\chi^2$/NDF: 364180360676330

Left Out: 9916.420+/-0.000 $\chi^2$/NDF:184071439275717483725448177147911654604 8.0/11

In: -4038.254+/-0.000 $\chi^2$/NDF:992282671575764

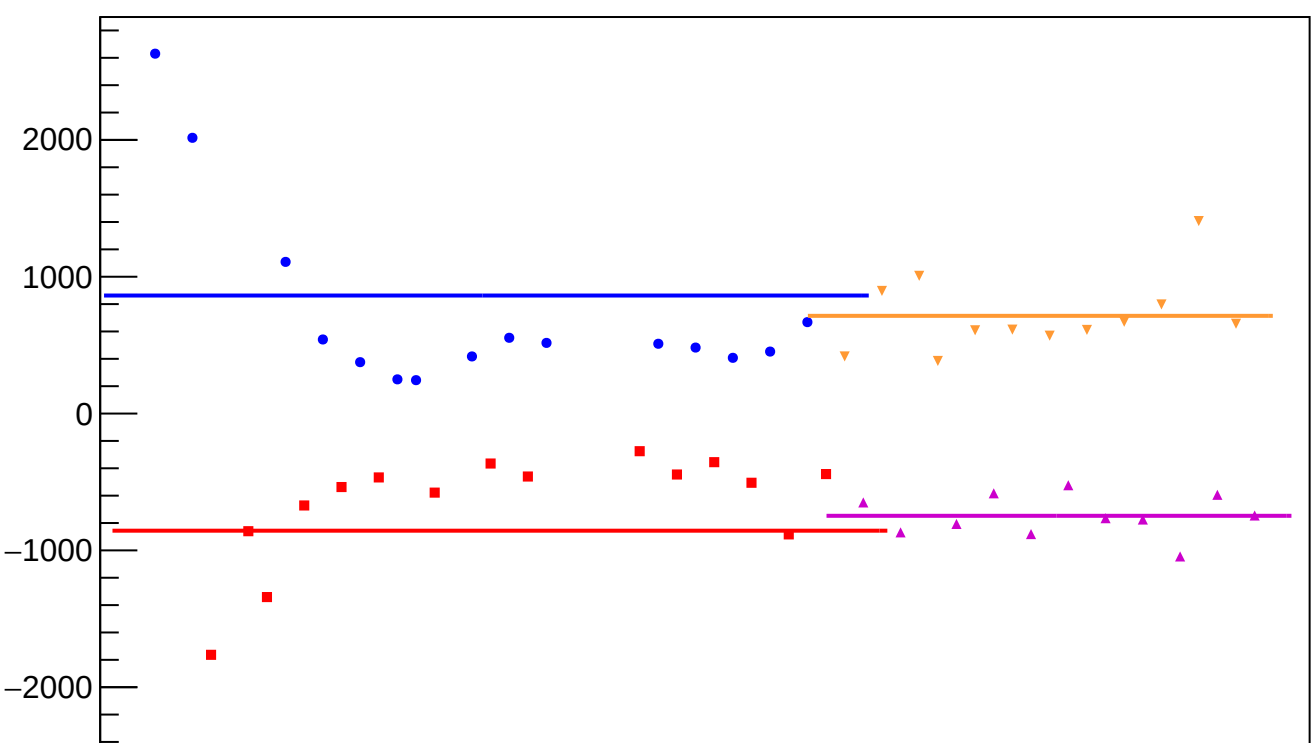
Right Out: -4575.270+/-0.000 $\chi^2$/NDF: 186332209477040373909610080007271691059 2.0/15

Out: 3802.595+/-0.000 $\chi^2$/NDF:846841188462188

Left In: -10594.095+/-0.000 $\chi^2$/NDF:469955671378487676963254464485150162944.0/10

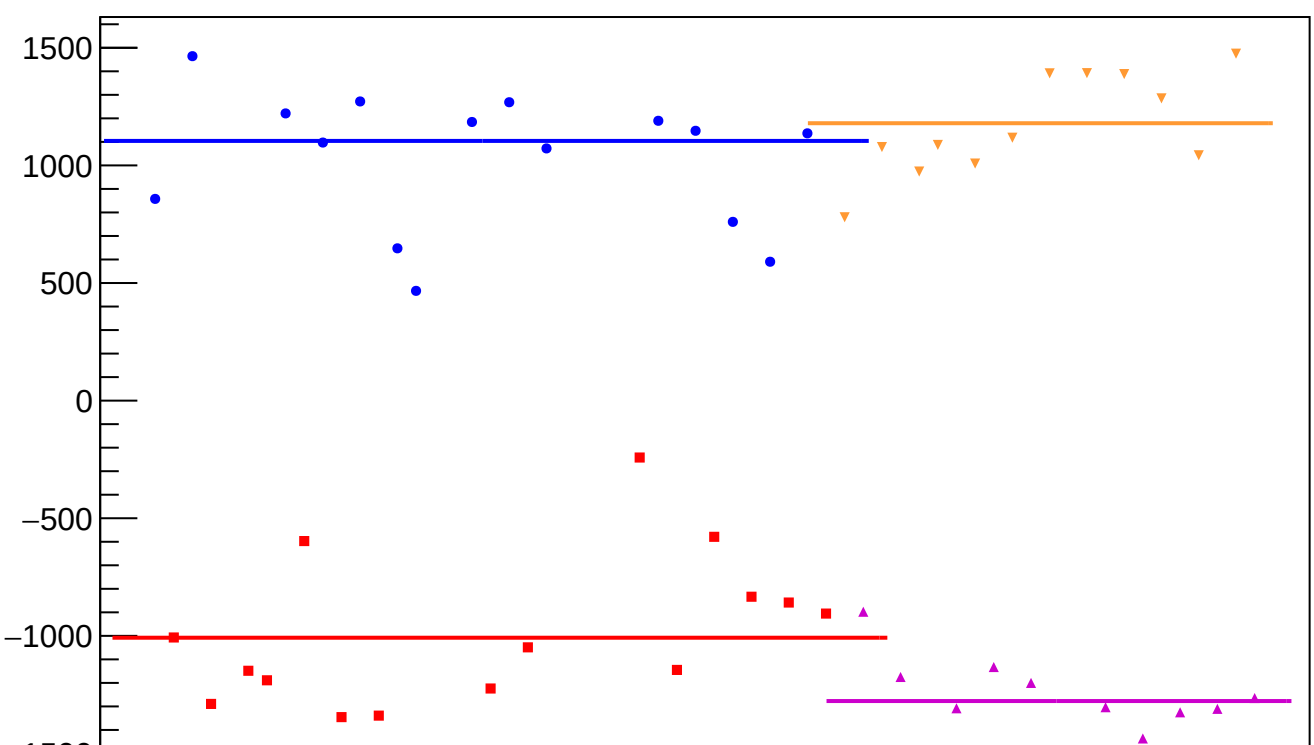
All: -107.886+/-0.000 $\chi^2$/NDF: 23238819396

# dit_atl2_coil3_err_mean vs Slug, Sign Corrected




Left: -20.503+/-0.000 $\chi^2$/NDF: 1065064961511877
Right In: 862.683+/-0.000 $\chi^2$/NDF: 3376840008638193150264591065257596682 24.0/14
Right: -8.442+/-0.000 $\chi^2$/NDF: 1636587396882894
Left Out: 714.221+/-0.000 $\chi^2$/NDF:6393682365708312414092225163706551500 8.0/11
In: -83.027+/-0.000 $\chi^2$/NDF:13454995318402178
Right Out: -856.059+/-0.000 $\chi^2$/NDF: 3271952165464447671487162246882886942 72.0/15
Out: 51.744+/-0.000 $\chi^2$/NDF:1341942923565859 5
Left In: -747.275+/-0.000 $\chi^2$/NDF:1967884739572773009831064224203066572 8.0/10
All: -15.471+/-0.000 $\chi^2$/NDF: 270176391125

# dit_atl2_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

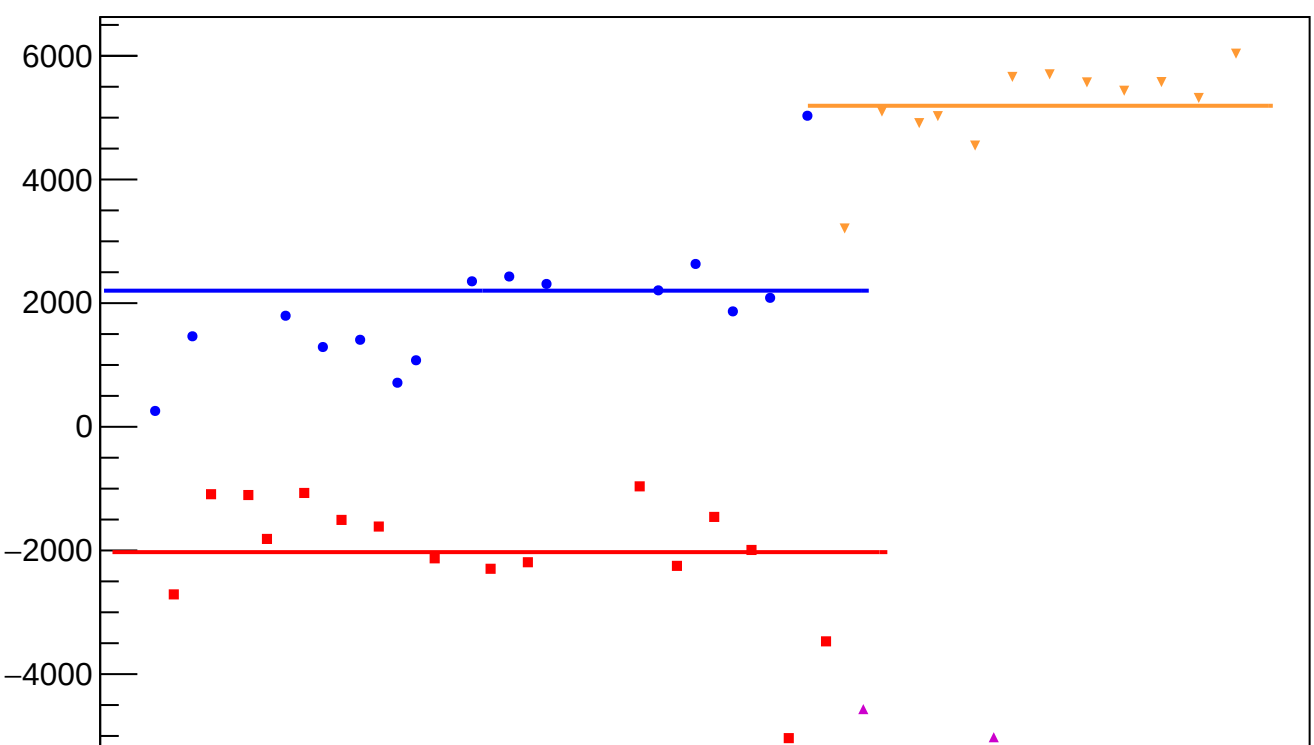
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 690778780098739656226959396274773688 32.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:195255418221191 0

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737420 8.0/10

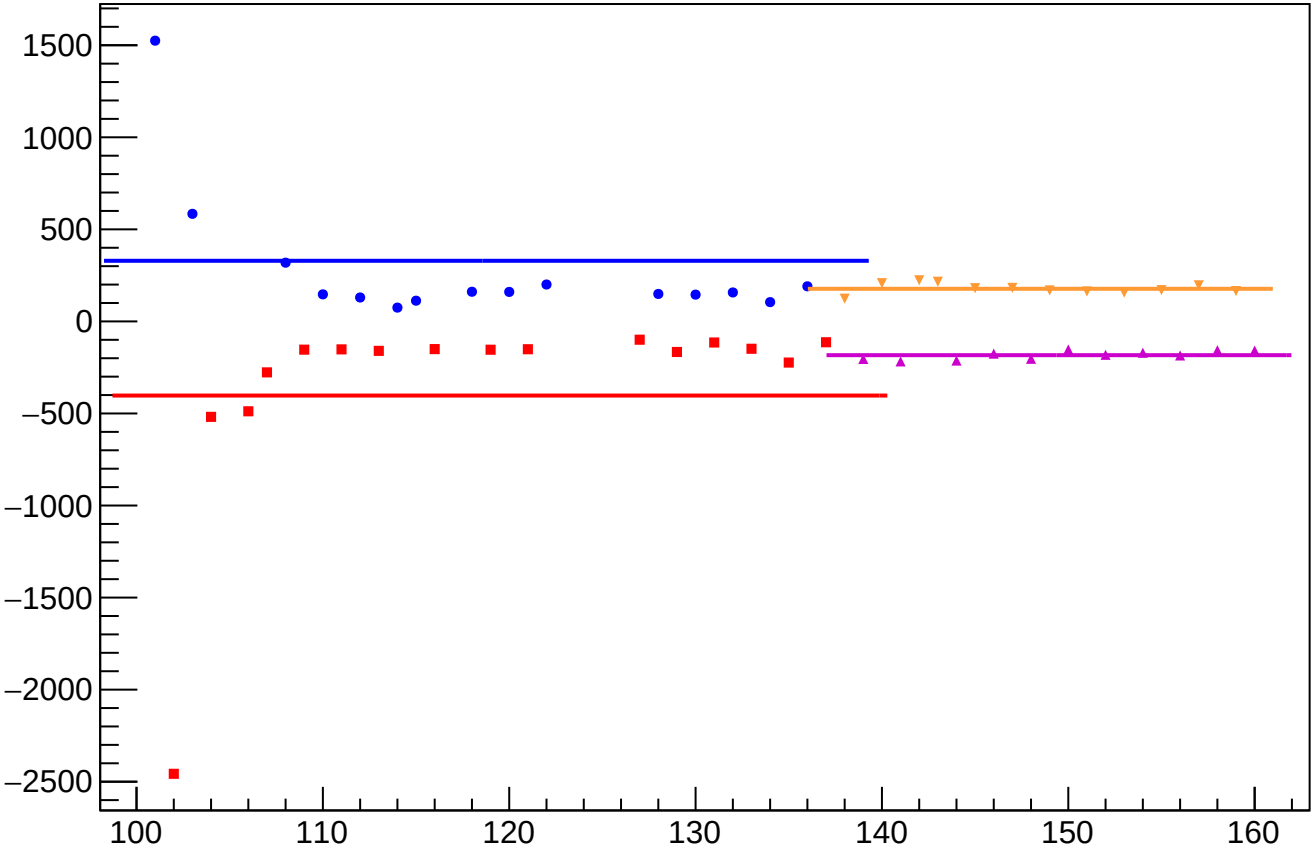
All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_atr1_coil3_mean vs Slug, Sign Corrected




Left: -172.148+/-0.000 $\chi^2$/NDF: 529181779614152
Right In: 2201.844+/-0.000 $\chi^2$/NDF: 1086544775216266395419904724422998622208.0/14
Right: 58.517+/-0.000 $\chi^2$/NDF: 767753071120733
Left Out: 5192.476+/-0.000 $\chi^2$/NDF:4703171184355329372001483465086247895 04.0/11
In: -2309.812+/-0.000 $\chi^2$/NDF:236998936360445
Right Out: -2026.969+/-0.000 $\chi^2$/NDF: 7086264566034107051245182999566451998 72.0/15
Out: 2146.701+/-0.000 $\chi^2$/NDF:212767096674295
Left In: -5478.713+/-0.000 $\chi^2$/NDF:1241860547714240118738493468025836011 52.0/10
All: -75.903+/-0.000 $\chi^2$/NDF: 606365125250

# dit_atr1_coil3_err_mean vs Slug, Sign Corrected




Left: -4.136+/-0.000 $\chi^2$/NDF: 60775791706189373

Right In: 329.229+/-0.000 $\chi^2$/NDF: 10328502909192274203383790343713246412 8.0/14

Right: -41.736+/-0.000 $\chi^2$/NDF: 557135346601365

Left Out: 177.101+/-0.000 $\chi^2$/NDF:604256347376555065664943941601984512.0/11

In: 28.098+/-0.000 $\chi^2$/NDF:203925218655573400

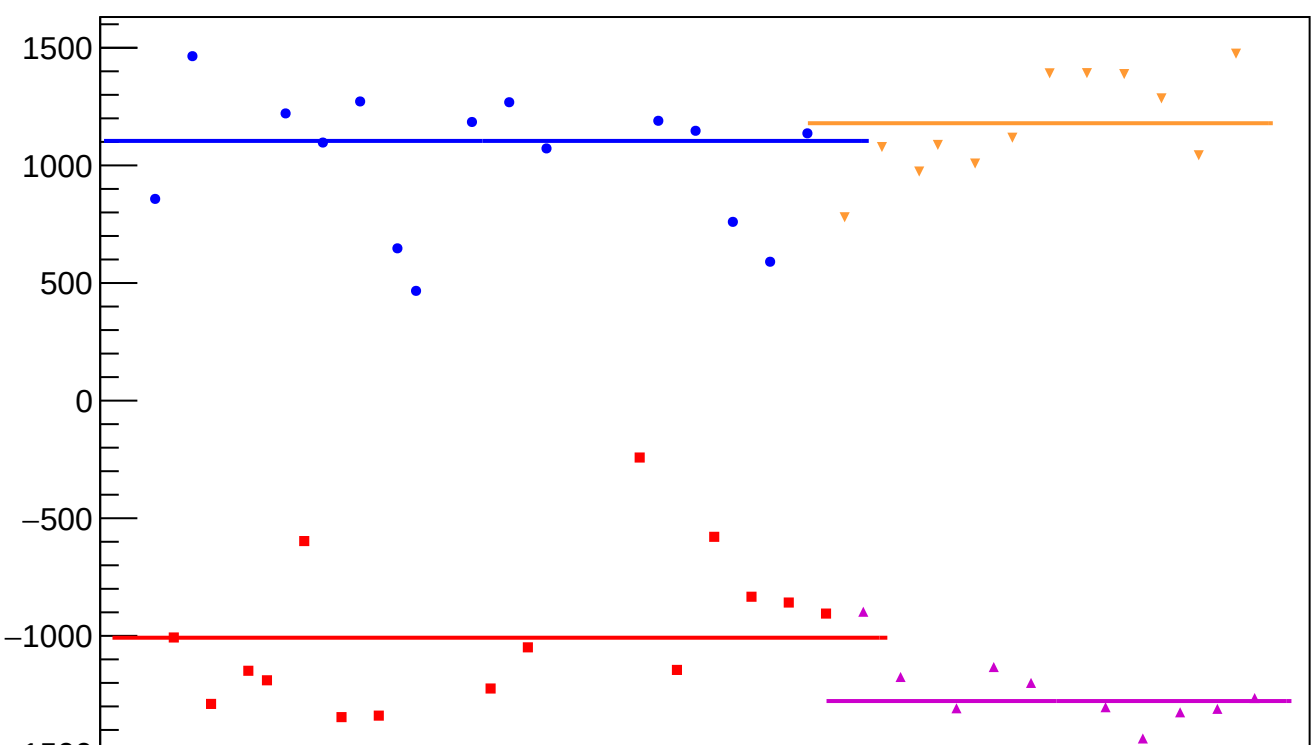
Right Out: -402.690+/-0.000 $\chi^2$/NDF: 277636056793293374242116053515003494400.0/15

Out: -67.504+/-0.000 $\chi^2$/NDF:4078634459098727

Left In: -183.411+/-0.000 $\chi^2$/NDF:452789814018275751637875535657304064.0/10

All: -19.824+/-0.000 $\chi^2$/NDF: 618995356861

# dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

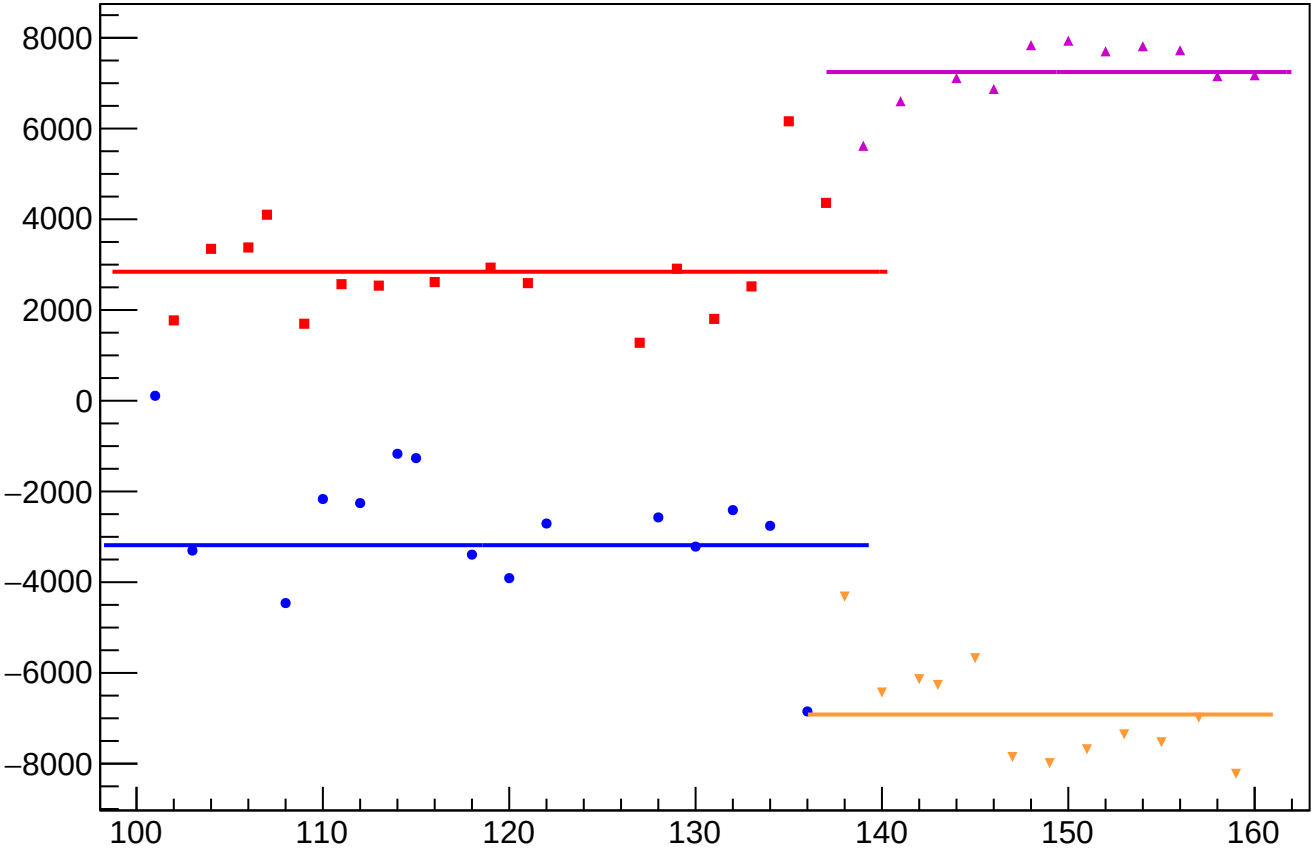
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 690778780098739656226959396274773688 32.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:1952554182211910

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_atr2_coil3_mean vs Slug, Sign Corrected




Left: 203.352+/-0.000 $\chi^2$/NDF: 9367664182142015

Right In: -3183.928+/-0.000 $\chi^2$/NDF: 2134923281384422537296044119642733543424.0/14

Right: -128.944+/-0.000 $\chi^2$/NDF: 15032681342441

Left Out: -6916.269+/-0.000 $\chi^2$/NDF:1116807093678978049721043579861444067328.0/11

In: 2942.696+/-0.000 $\chi^2$/NDF:440076230139336

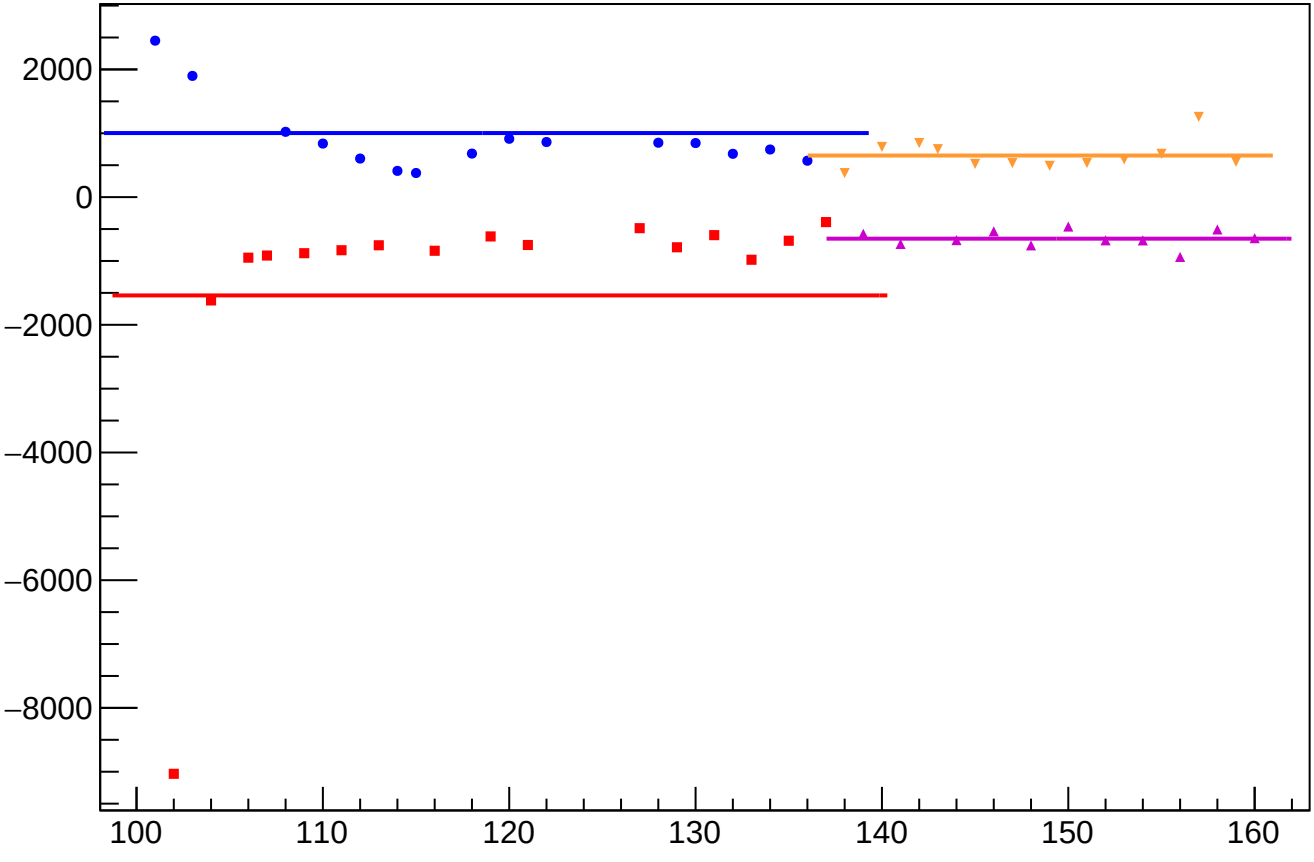
Right Out: 2843.597+/-0.000 $\chi^2$/NDF: 9470776115637232447055310919440153968 64.0/15

Out: -2798.729+/-0.000 $\chi^2$/NDF:38794467171221

Left In: 7245.920+/-0.000 $\chi^2$/NDF:4017604627839690987720109250073151406 08.0/10

All: 64.702+/-0.000 $\chi^2$/NDF: 1087940046919

# dit_atr2_coil3_err_mean vs Slug, Sign Corrected




Left: -3.137+/-0.000 $\chi^2$/NDF: 83969979485831992

Right In: 1003.407+/-0.000 $\chi^2$/NDF: 219815257294811198811064619822196195328.0/14

Right: -285.472+/-0.000 $\chi^2$/NDF: 59617429830759

Left Out: 651.582+/-0.000 $\chi^2$/NDF:455794167001883893408997837934973419 52.0/11

In: 31.723+/-0.000 $\chi^2$/NDF:12777531753239734 2

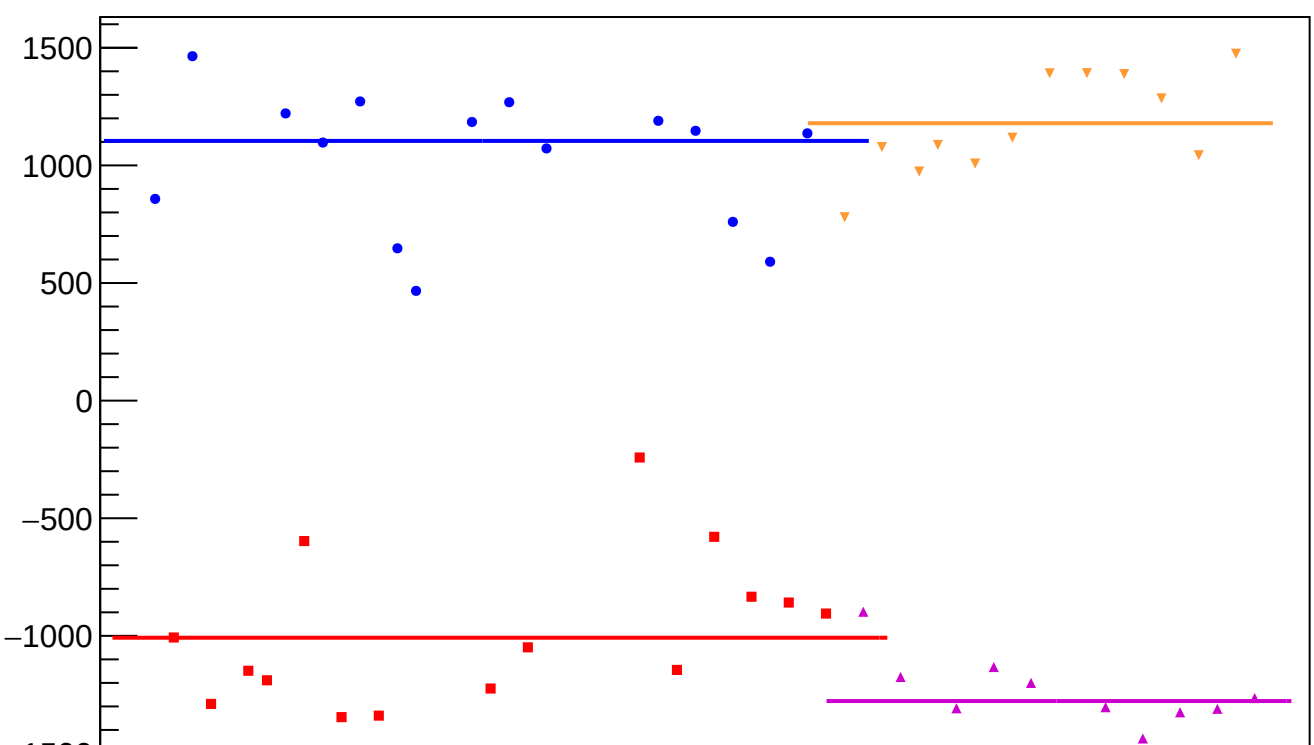
Right Out: -1539.568+/-0.000 $\chi^2$/NDF: 36147747852974822931453545741254372884 48.0/15

Out: -272.831+/-0.000 $\chi^2$/NDF:551168647234999

Left In: -650.769+/-0.000 $\chi^2$/NDF:147764657748587998469225358583943659 52.0/10

All: -120.940+/-0.000 $\chi^2$/NDF: 68625749232

# dit_atr2_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

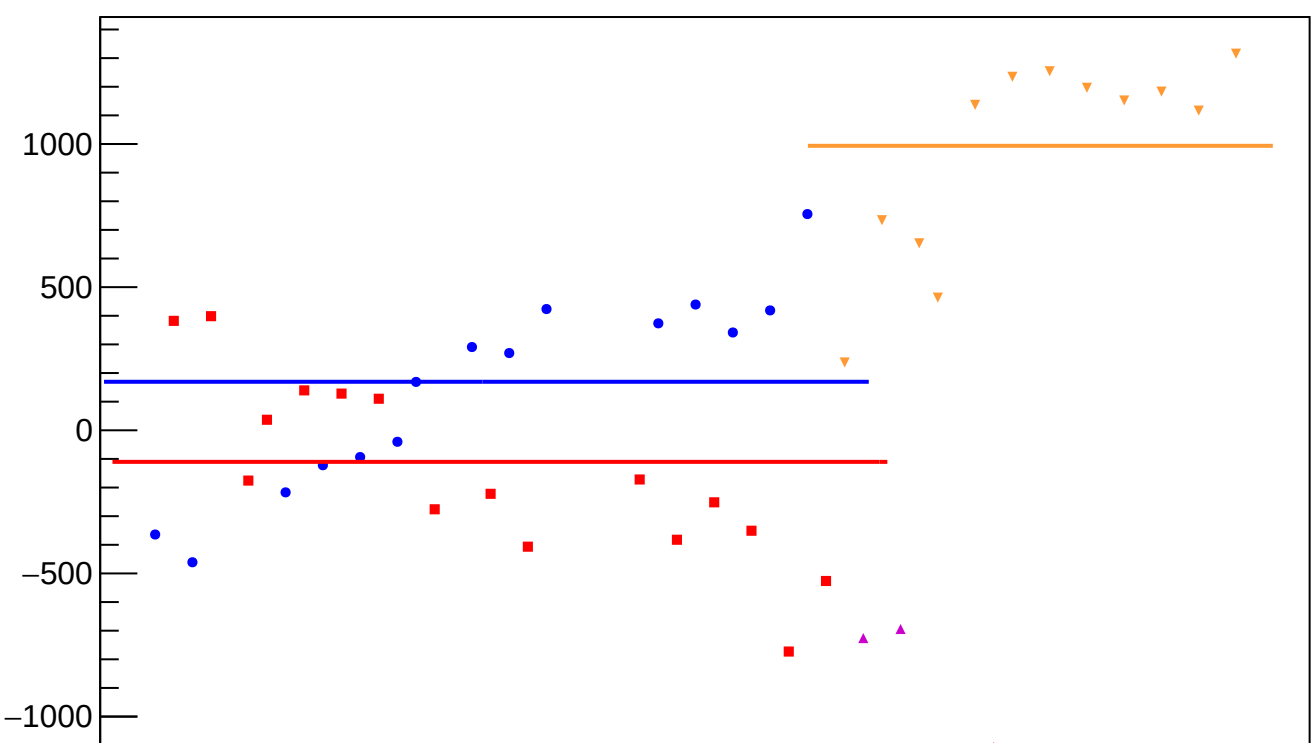
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 690778780098739656226959396274773688 32.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:1952554182211910

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737420 8.0/10

All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_sam1_coil3_mean vs Slug, Sign Corrected




Left: -63.985+/-0.000 $\chi^2$/NDF: 2171788673126913

Right In: 169.489+/-0.000 $\chi^2$/NDF: 954358945852108910324266135674903592 96.0/14

Right: 27.687+/-0.000 $\chi^2$/NDF: 192954558913151 3

Left Out: 993.680+/-0.000 $\chi^2$/NDF:1038717440932718621362705275420378398 72.0/11

In: -582.219+/-0.000 $\chi^2$/NDF:7538236455803364

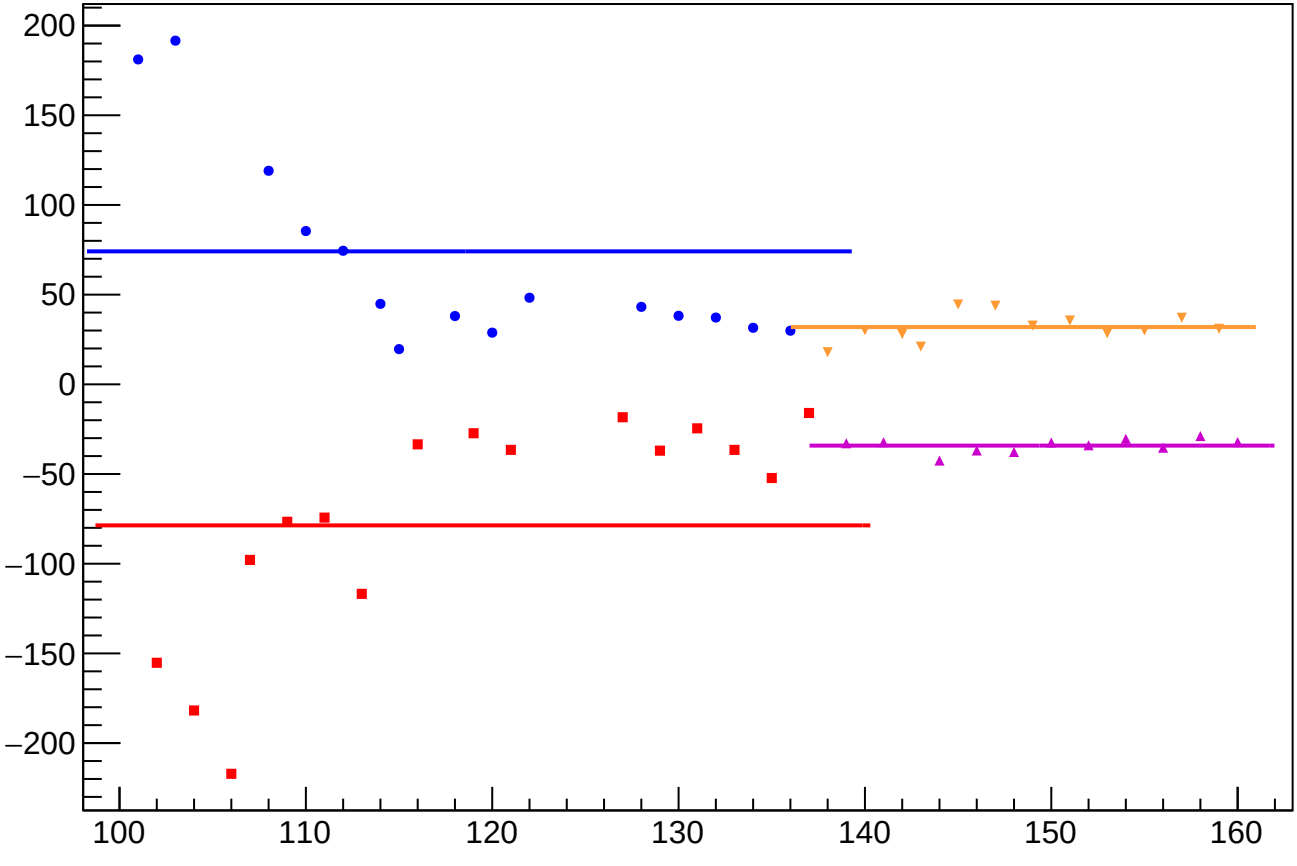
Right Out: -110.289+/-0.000 $\chi^2$/NDF: 7177078410205293852359271650847988 1216.0/15

Out: 527.933+/-0.000 $\chi^2$/NDF:645595104234672 9

Left In: -1110.204+/-0.000 $\chi^2$/NDF:3407867167520710175869557534326416998 4.0/10

All: -25.735+/-0.000 $\chi^2$/NDF: 23711880773 7

# dit_sam1_coil3_err_mean vs Slug, Sign Corrected




Left: -1.301+/-0.000 $\chi^2$/NDF: 20709383858678459

Right In: 74.129+/-0.000 $\chi^2$/NDF: 216837571740120732262065825808121856 0.0/14

Right: -3.297+/-0.000 $\chi^2$/NDF: 1218774471717801

Left Out: 31.916+/-0.000 $\chi^2$/NDF:5239113497147644680116473780240384 0.0/11

In: 10.520+/-0.000 $\chi^2$/NDF:66512492434564945 7

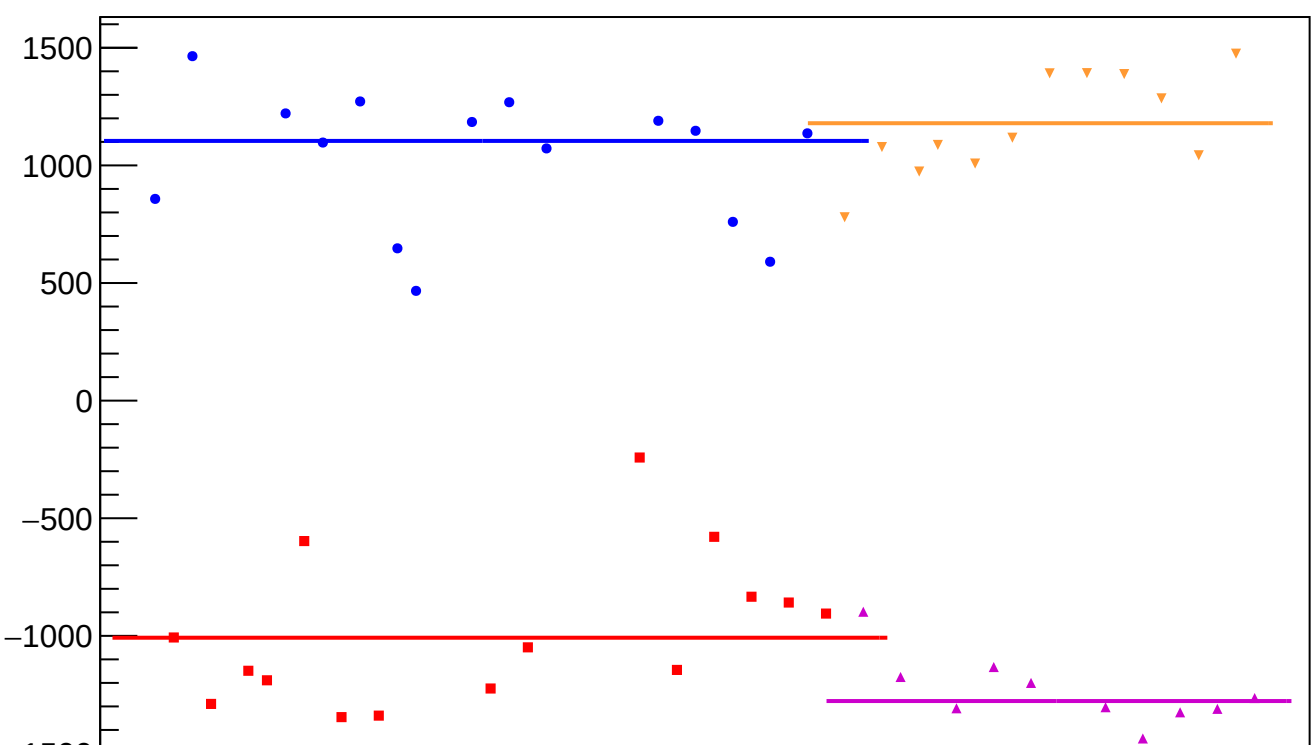
Right Out: -78.633+/-0.000 $\chi^2$/NDF: 2343230336879830638767678903539466240.0/15

Out: -14.723+/-0.000 $\chi^2$/NDF:7108066763798732

Left In: -34.158+/-0.000 $\chi^2$/NDF:1253578175709682803806424429022412 8.0/10

All: -2.134+/-0.000 $\chi^2$/NDF: 1426173775487

# dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

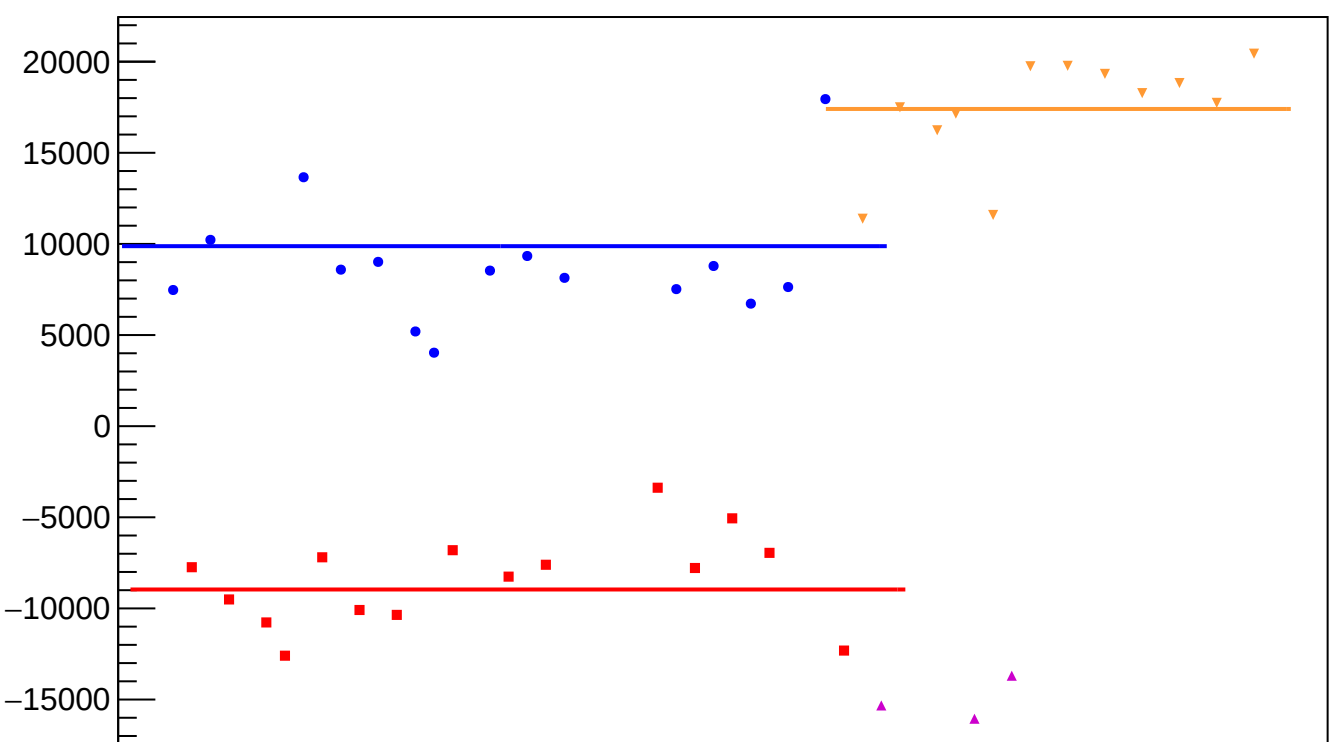
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:195255418221191 0

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_sam2_coil3_mean vs Slug, Sign Corrected




Left: -374.952+/-0.000 $\chi^2$/NDF: 586010235145189

Right In: 9876.530+/-0.000 $\chi^2$/NDF: 8483360287053054122301651905797133697024.0/14

Right: 328.637+/-0.000 $\chi^2$/NDF: 132799081917308

Left Out: 17405.049+/-0.000 $\chi^2$/NDF:76898016710993787915445454221756648652 80.0/11

In: -6476.484+/-0.000 $\chi^2$/NDF:307506960113677

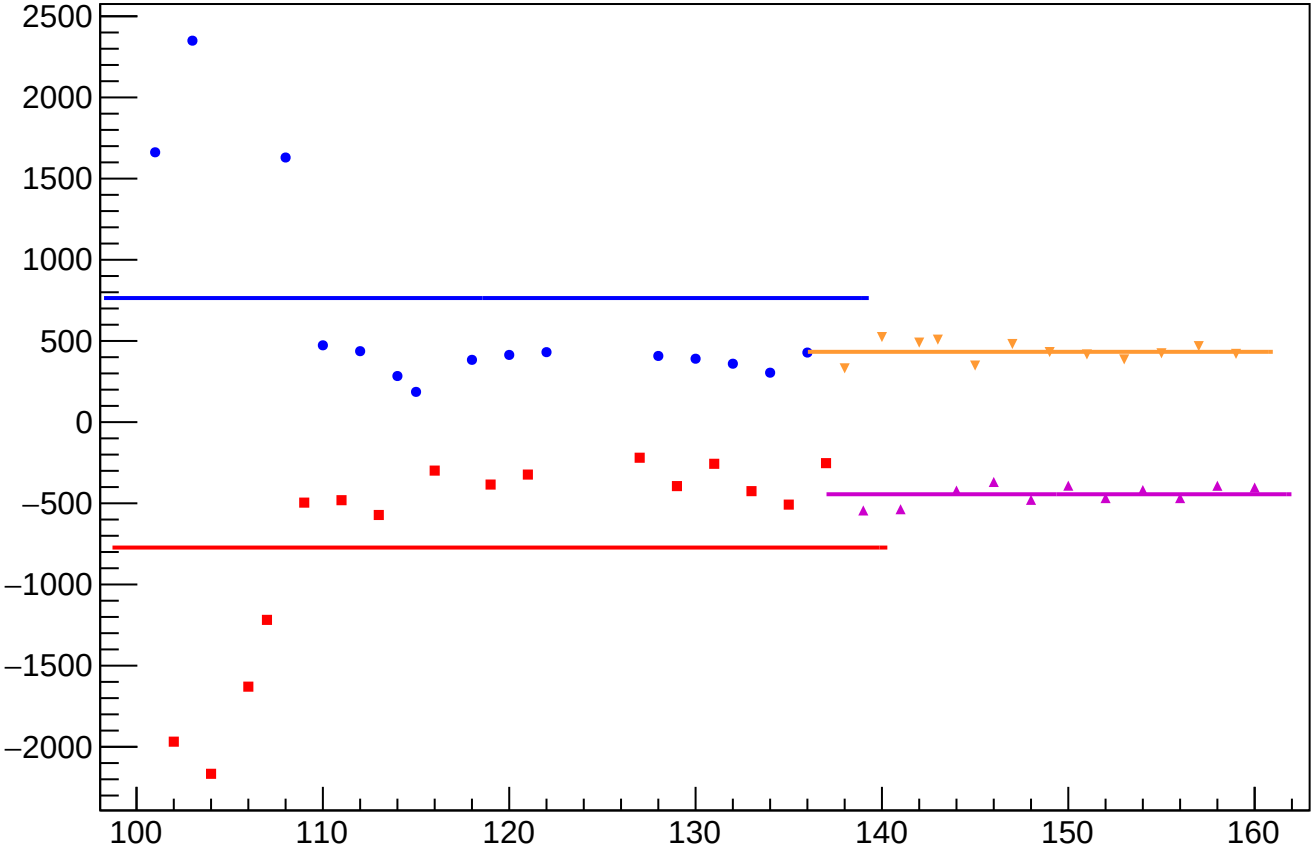
Right Out: -8961.593+/-0.000 $\chi^2$/NDF: 7583728644146461427304320888408335450112.0/15

Out: 6281.362+/-0.000 $\chi^2$/NDF:283344504403014

Left In: -17962.529+/-0.000 $\chi^2$/NDF:3564698291142811133043344688261317525504.0/10

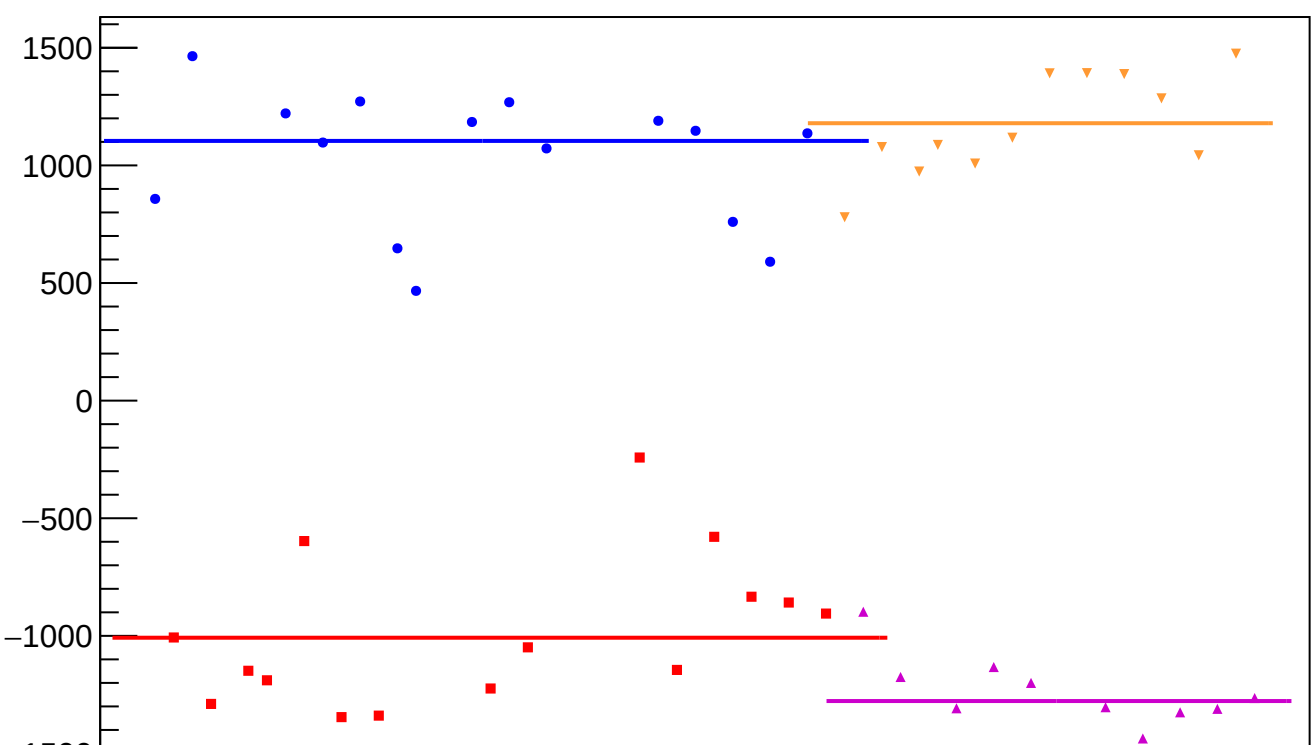
All: -81.381+/-0.000 $\chi^2$/NDF: 719188962323

# dit_sam2_coil3_err_mean vs Slug, Sign Corrected




Left: -7.970+/-0.000 $\chi^2$/NDF: 35964203749323128
Right In: 764.284+/-0.000 $\chi^2$/NDF: 2909647580582694800050672050200305991 68.0/14
Right: -14.642+/-0.000 $\chi^2$/NDF: 135377066004634
Left Out: 433.079+/-0.000 $\chi^2$/NDF:307037052443823915927319011947603558 4.0/11
In: 54.379+/-0.000 $\chi^2$/NDF:85067486853551882 4
Right Out: -772.547+/-0.000 $\chi^2$/NDF: 285902138904642401278625587631891677184.0/15
Out: -75.557+/-0.000 $\chi^2$/NDF:8494595605470363
Left In: -444.245+/-0.000 $\chi^2$/NDF:290662583945299127010505389415124172 8.0/10
All: -10.754+/-0.000 $\chi^2$/NDF: 171344684046

# dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

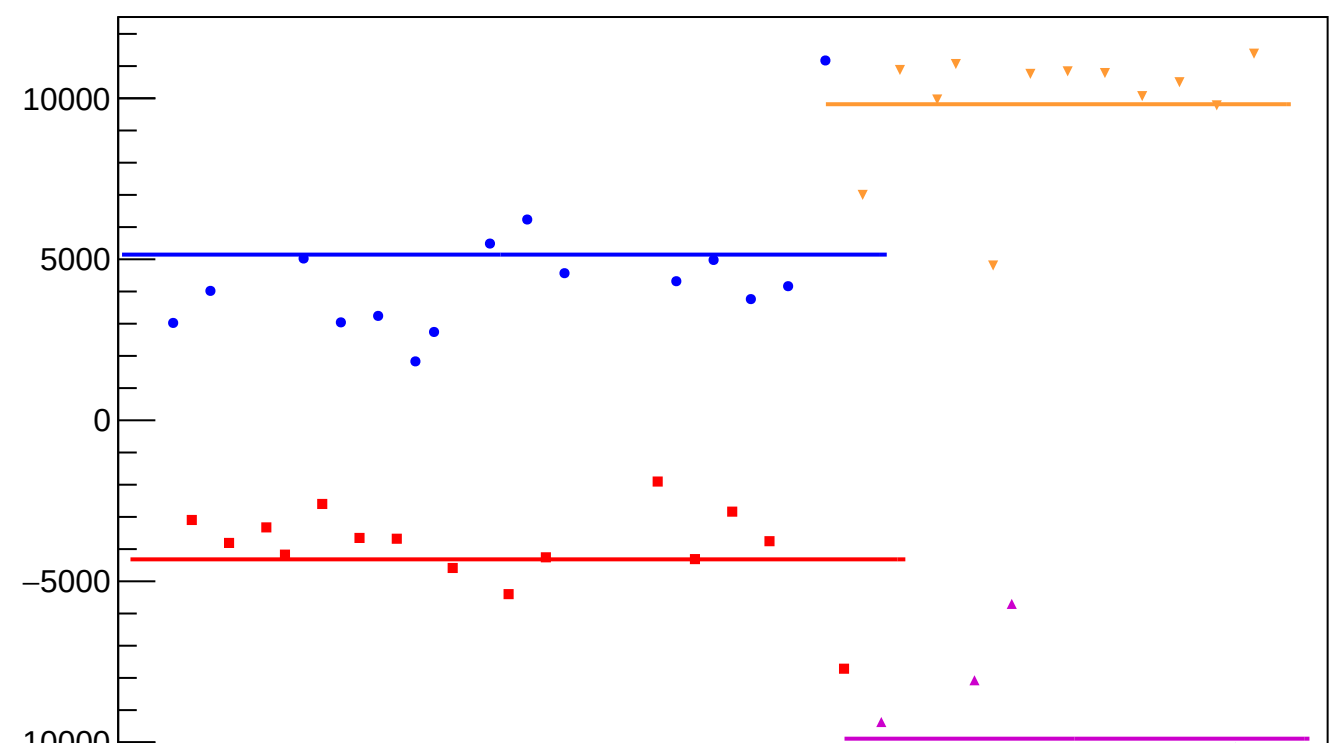
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:195255418221191 0

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_sam3_coil3_mean vs Slug, Sign Corrected




Left: -89.265+/-0.000 $\chi^2$/NDF: 1838935043265731

Right In: 5145.657+/-0.000 $\chi^2$/NDF: 4272867262459372237810540195851662262272.0/14

Right: 349.044+/-0.000 $\chi^2$/NDF: 370788219703753

Left Out: 9815.736+/-0.000 $\chi^2$/NDF:324212621250728671461831670420826226688 0.0/11

In: -3684.756+/-0.000 $\chi^2$/NDF:927030037862326

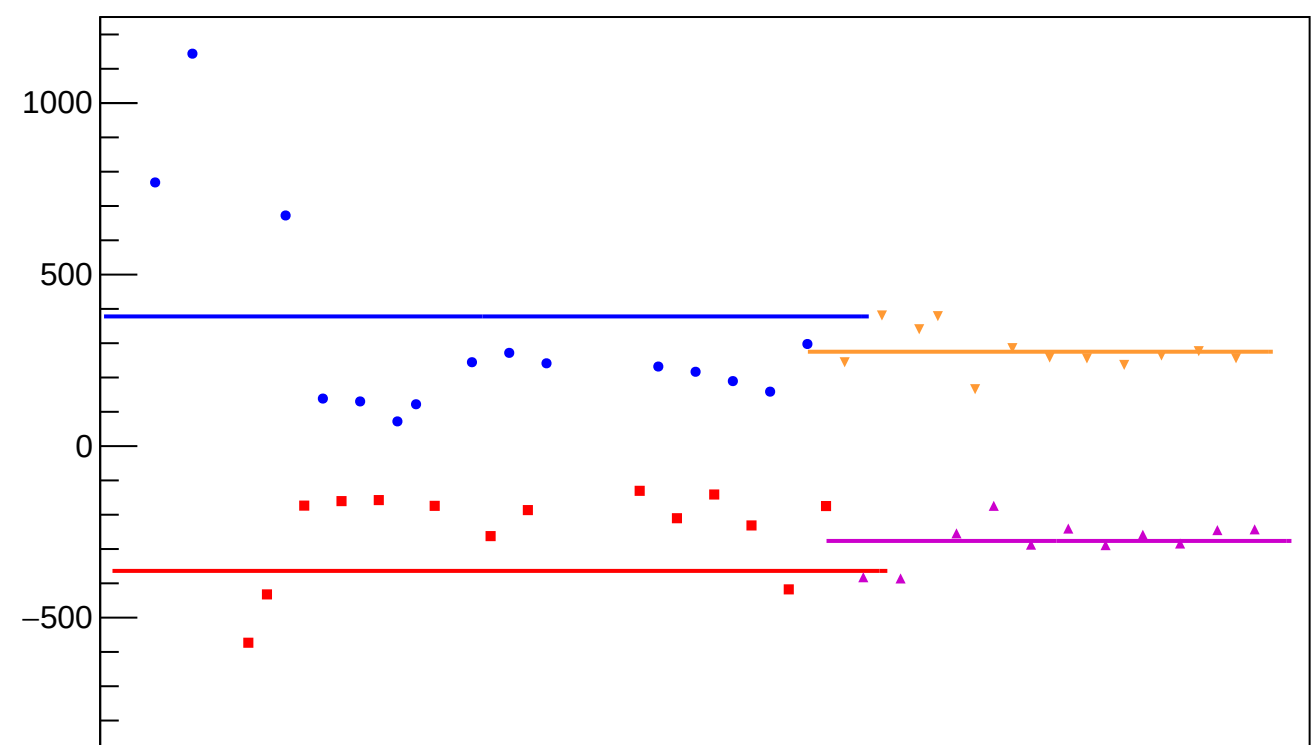
Right Out: -4318.126+/-0.000 $\chi^2$/NDF: 334517655456475542731253388890852661657 6.0/15

Out: 3852.873+/-0.000 $\chi^2$/NDF:836176493055076

Left In: -9887.069+/-0.000 $\chi^2$/NDF:227851678022582408263242028880212734771 2.0/10

All: 93.618+/-0.000 $\chi^2$/NDF: 2211196592737

# dit_sam3_coil3_err_mean vs Slug, Sign Corrected




Left: -2.125+/-0.000 $\chi^2$/NDF: 14605036869185649

Right In: 378.052+/-0.000 $\chi^2$/NDF: 615165900225930530408607608613319475 20.0/14

Right: 2.067+/-0.000 $\chi^2$/NDF: 30156387809525658

Left Out: 275.181+/-0.000 $\chi^2$/NDF:30639739248384837526480238564951982 08.0/11

In: -6.399+/-0.000 $\chi^2$/NDF:22799172790938067 0

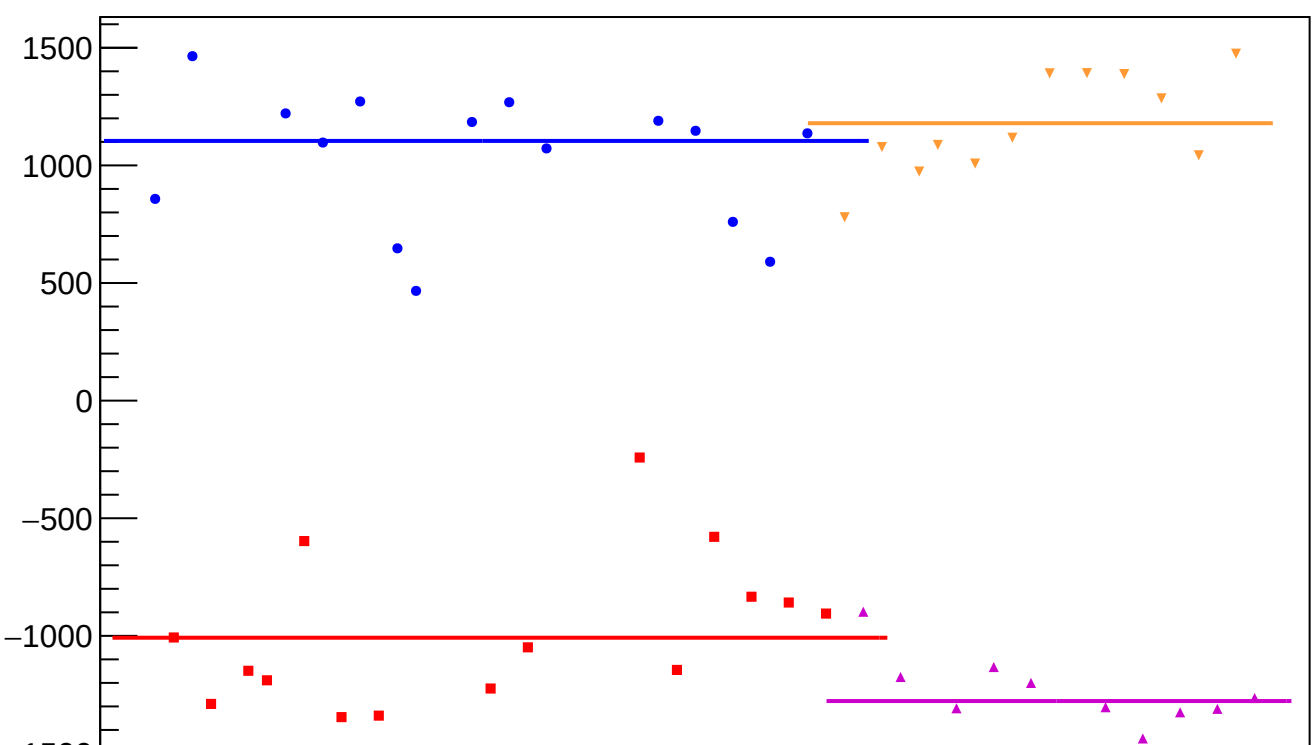
Right Out: -363.772+/-0.000 $\chi^2$/NDF: 5903133748470980180418143934270668 8000.0/15

Out: 5.616+/-0.000 $\chi^2$/NDF:21952216327772997 4

Left In: -276.429+/-0.000 $\chi^2$/NDF:3176476969276554988209041450490396672.0/10

All: -0.376+/-0.000 $\chi^2$/NDF: 4476277184699

# dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

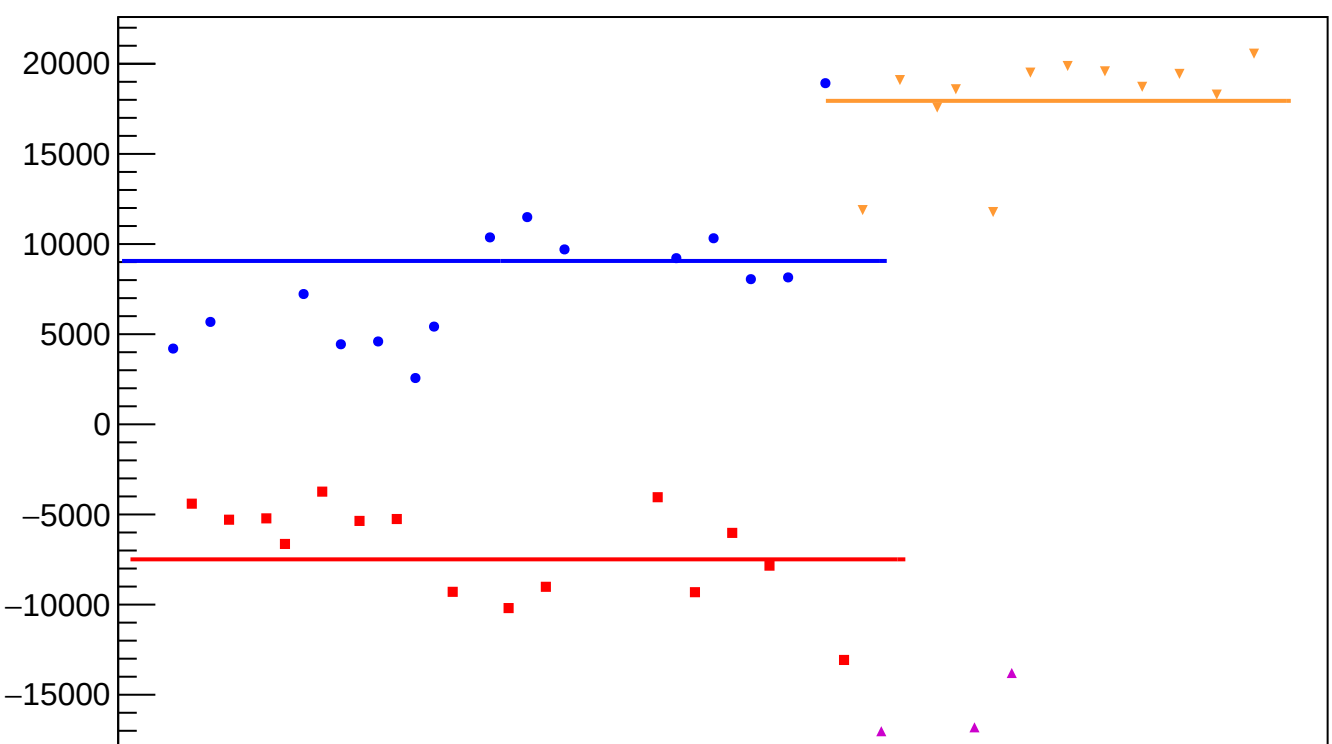
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:195255418221191 0

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

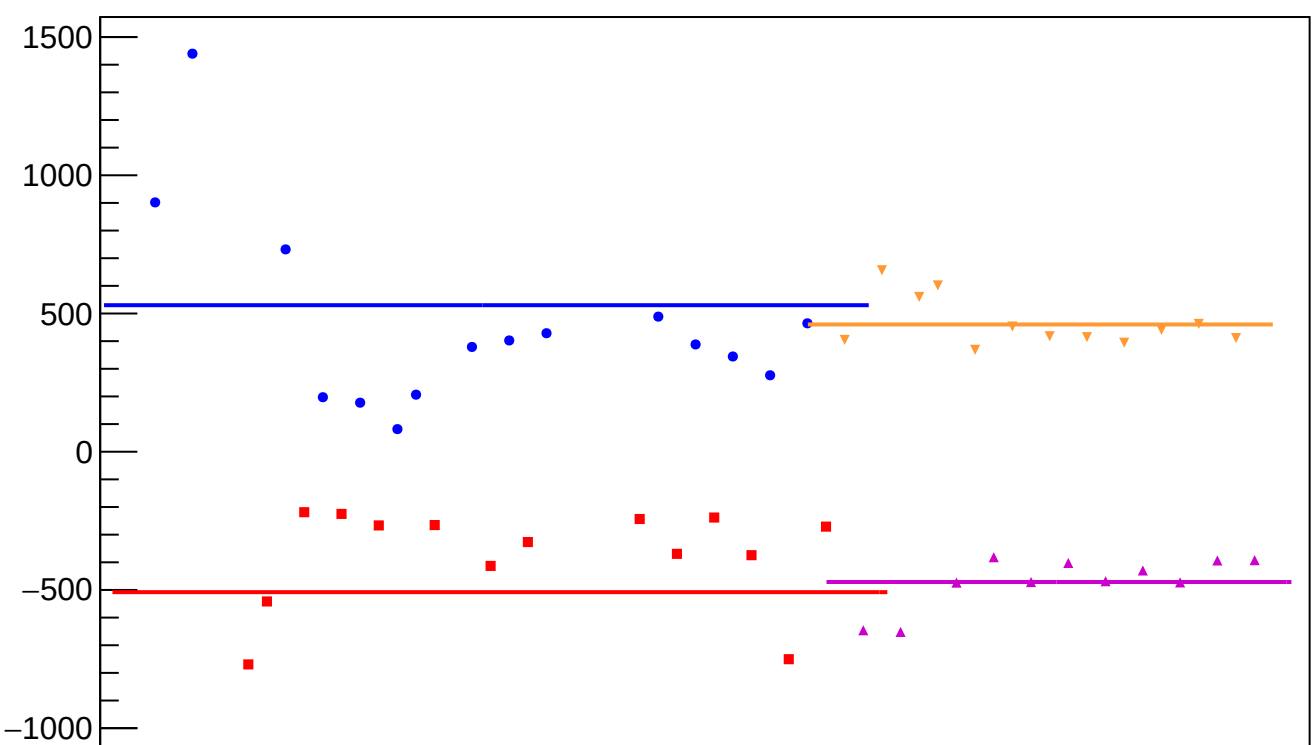
All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_sam4_coil3_mean vs Slug, Sign Corrected




Left: -415.014+/-0.000 $\chi^2$/NDF: 623613646313618
Right In: 9062.710+/-0.000 $\chi^2$/NDF: 1362106694311435459415925240917543144652 8.0/14
Right: 673.078+/-0.000 $\chi^2$/NDF: 113857439938422
Left Out: 17943.531+/-0.000 $\chi^2$/NDF:747361773327481660328046992127437884620 8.0/11
In: -7171.955+/-0.000 $\chi^2$/NDF:308190630431946
Right Out: -7490.147+/-0.000 $\chi^2$/NDF: 1010820212420413993228500645738823915929 6.0/15
Out: 7213.447+/-0.000 $\chi^2$/NDF:267017454267877
Left In: -18574.874+/-0.000 $\chi^2$/NDF:337175293631953841464838483614276308172 8.0/10
All: 38.990+/-0.000 $\chi^2$/NDF: 7383790559071

# dit_sam4_coil3_err_mean vs Slug, Sign Corrected




Left: -7.988+/-0.000 $\chi^2$/NDF: 41292053384474531

Right In: 530.057+/-0.000 $\chi^2$/NDF: 787546760630632555240464717518806712 32.0/14

Right: 3.936+/-0.000 $\chi^2$/NDF: 50988723963729126

Left Out: 460.312+/-0.000 $\chi^2$/NDF:675460642837128305351752970163086950 4.0/11

In: -58.105+/-0.000 $\chi^2$/NDF:46840539671479809

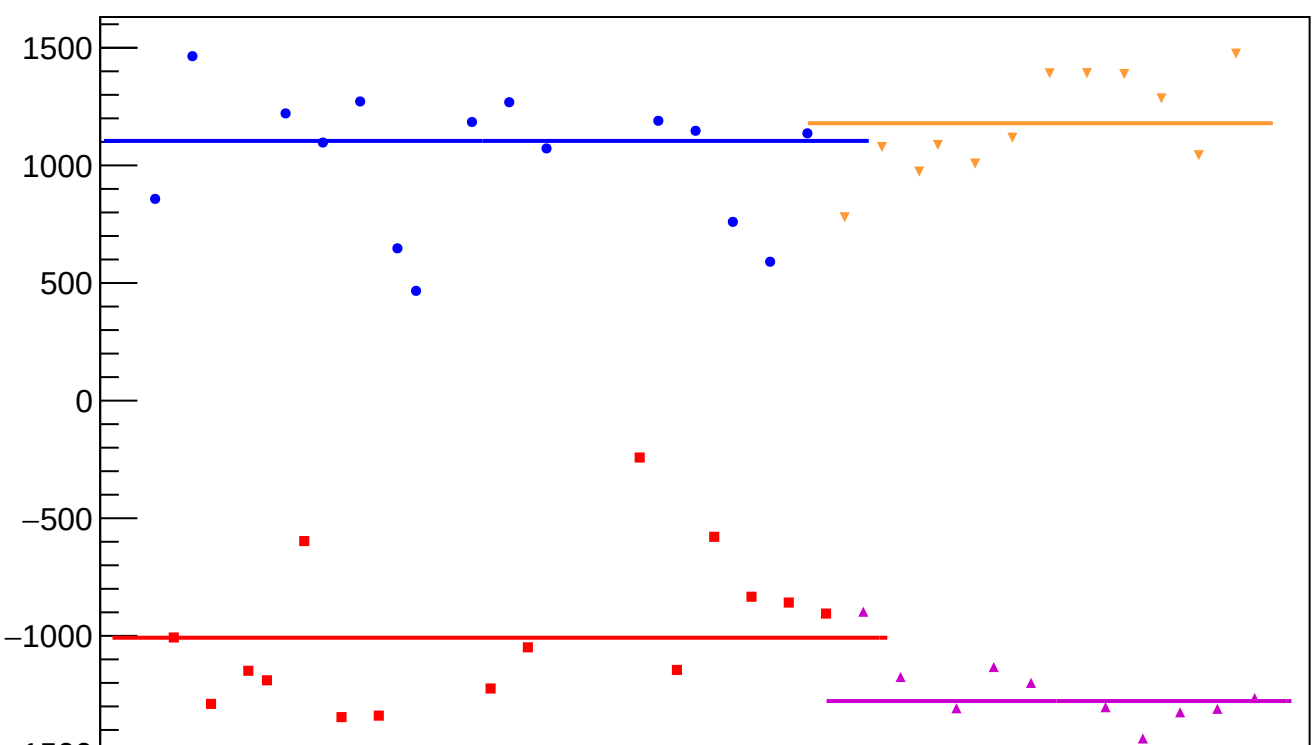
Right Out: -507.987+/-0.000 $\chi^2$/NDF: 766897346983084643378818419695550464 00.0/15

Out: 51.802+/-0.000 $\chi^2$/NDF:44498677720954542

Left In: -471.219+/-0.000 $\chi^2$/NDF:744597321916033625746777201105174528 0.0/10

All: -3.012+/-0.000 $\chi^2$/NDF: 9229168077860

# dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

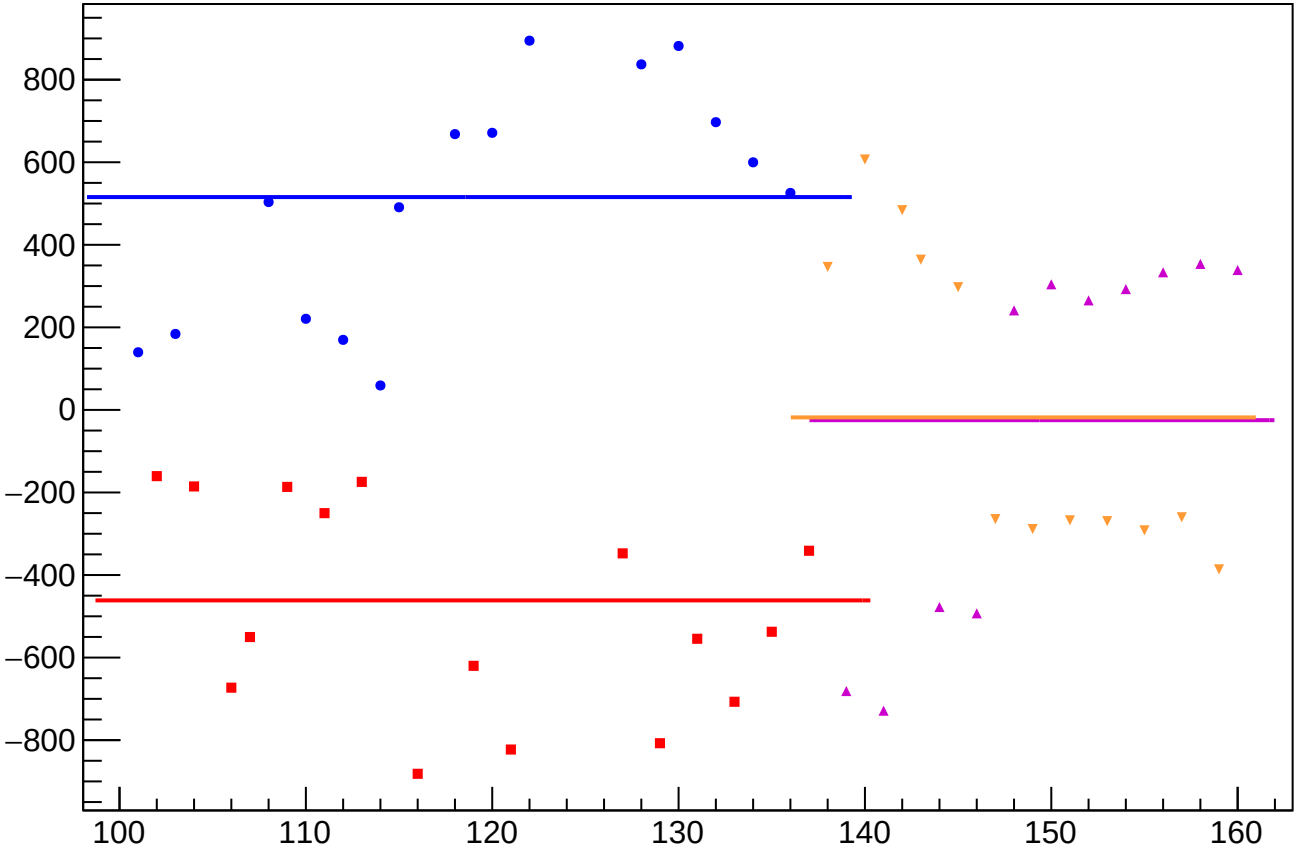
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:195255418221191 0

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

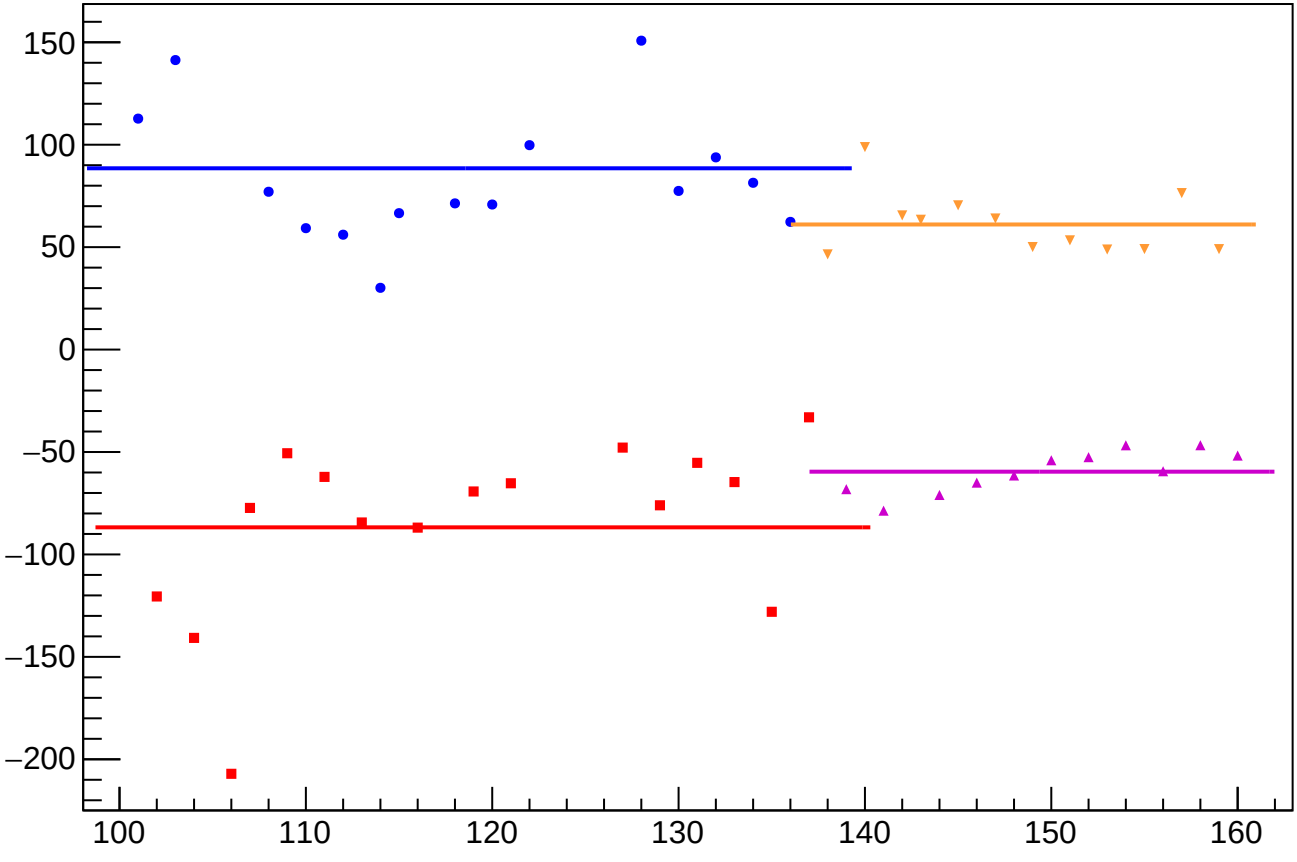
All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_sam5_coil3_mean vs Slug, Sign Corrected




Left: -21.540+/-0.000 $\chi^2$/NDF: 2912056569899347
Right In: 515.635+/-0.000 $\chi^2$/NDF: 484654034205739572926730623711623249 92.0/14
Right: 20.387+/-0.000 $\chi^2$/NDF: 4030056130167457
Left Out: -18.146+/-0.000 $\chi^2$/NDF:1140146273273638901461797970727634206 72.0/11
In: 198.120+/-0.000 $\chi^2$/NDF:3370219310244745
Right Out: -461.497+/-0.000 $\chi^2$/NDF: 4047374666009135592806330688436856 4224.0/15
Out: -205.189+/-0.000 $\chi^2$/NDF:230282610229259
Left In: -24.898+/-0.000 $\chi^2$/NDF:1771700831460663404196866972503077027 84.0/10
All: -4.046+/-0.000 $\chi^2$/NDF: 6955593653745

# dit_sam5_coil3_err_mean vs Slug, Sign Corrected




Left: 0.403+/-0.000 $\chi^2$/NDF: 699320951326261037

Right In: 88.493+/-0.000 $\chi^2$/NDF: 643231155193035512625817963208900608.0/14

Right: -0.339+/-0.000 $\chi^2$/NDF: 1180687368969666

Left Out: 61.067+/-0.000 $\chi^2$/NDF:211507080213048507647331077961285632.0/11

In: 1.499+/-0.000 $\chi^2$/NDF:909555293268762402

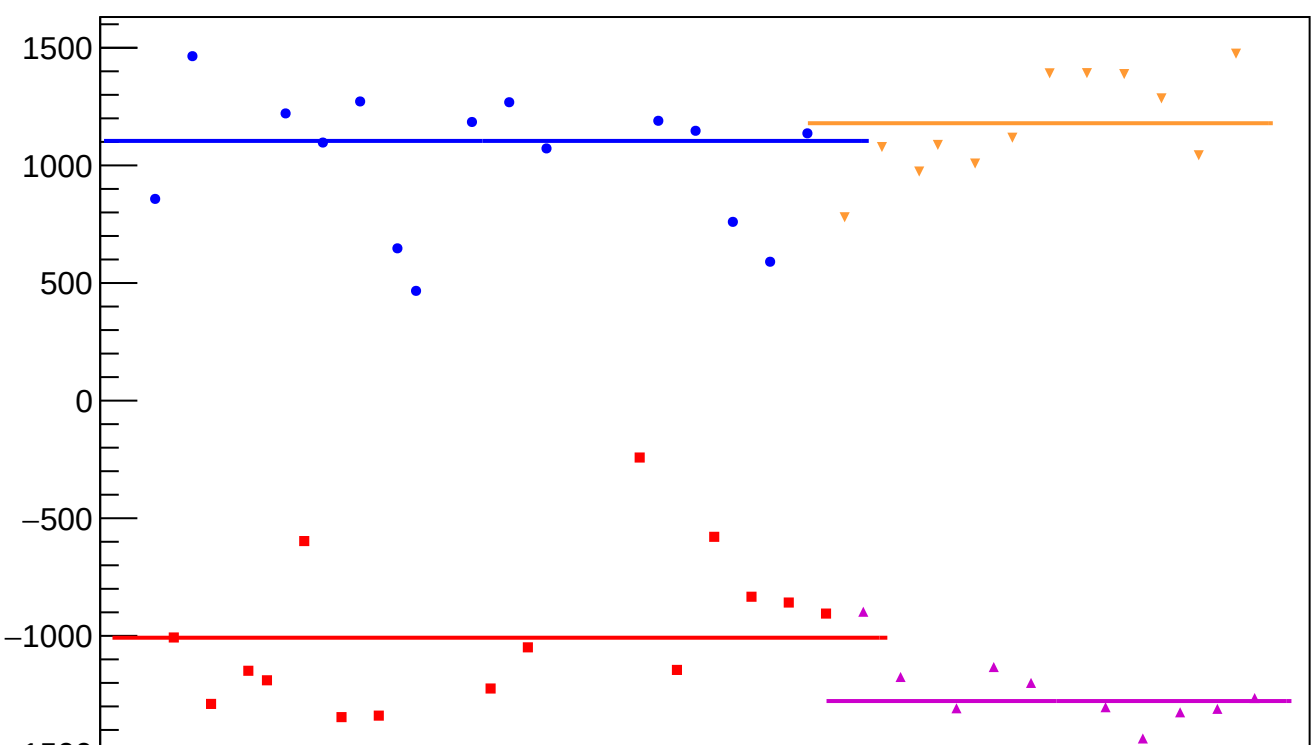
Right Out: -86.773+/-0.000 $\chi^2$/NDF: 1059206766314086021240525003228708864.0/15

Out: -1.305+/-0.000 $\chi^2$/NDF:96987555251915958

Left In: -59.604+/-0.000 $\chi^2$/NDF:908626251819856643753234631680327 68.0/10

All: 0.094+/-0.000 $\chi^2$/NDF: 1880050537184

# dit_sam5_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

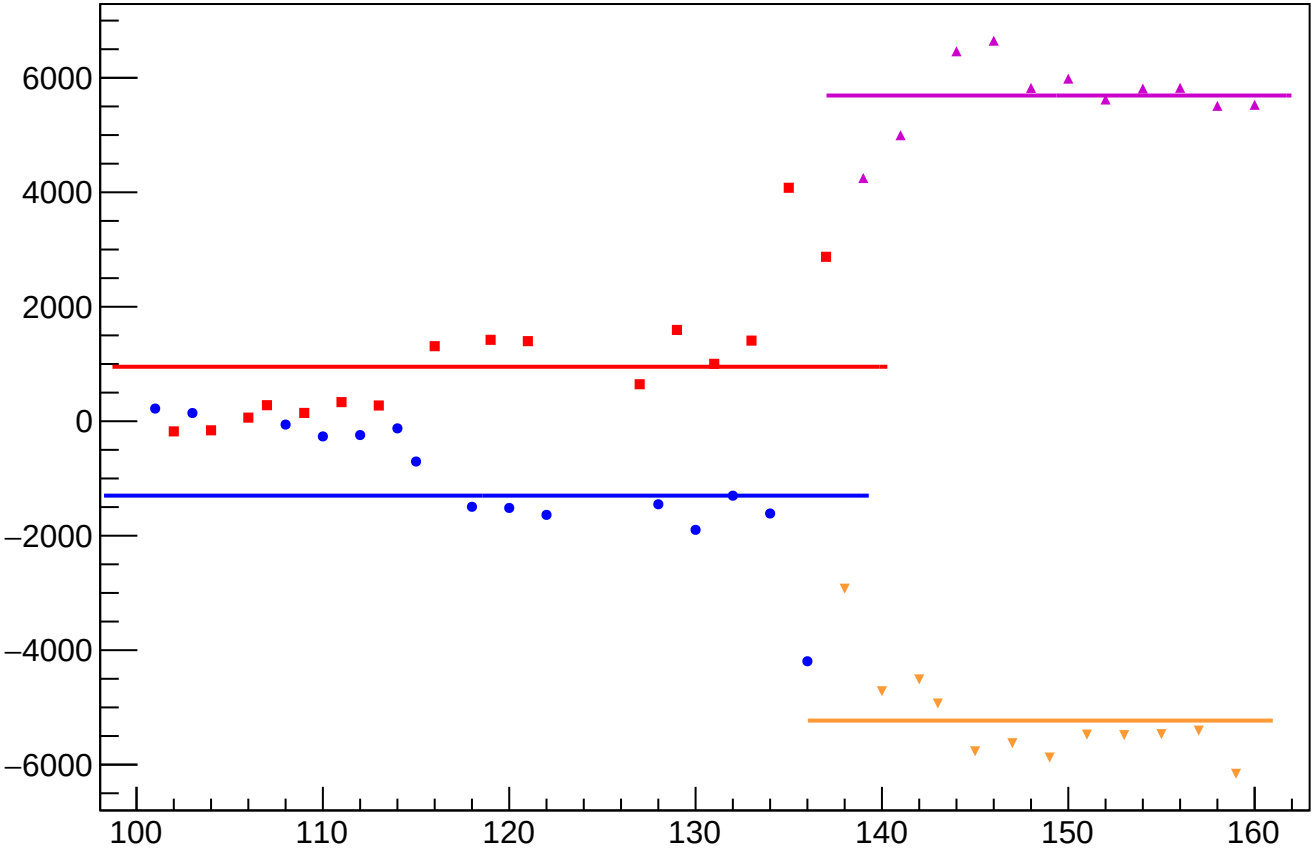
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:195255418221191 0

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_sam6_coil3_mean vs Slug, Sign Corrected




Left: 260.098+/-0.000 $\chi^2$/NDF: 5578029245557142

Right In: -1299.904+/-0.000 $\chi^2$/NDF: 1199649252163216367086408691577524322304.0/14

Right: -158.600+/-0.000 $\chi^2$/NDF: 37088904648604

Left Out: -5230.164+/-0.000 $\chi^2$/NDF:6213375467540482757450116505270810050 56.0/11

In: 2806.606+/-0.000 $\chi^2$/NDF:201868973591481 4

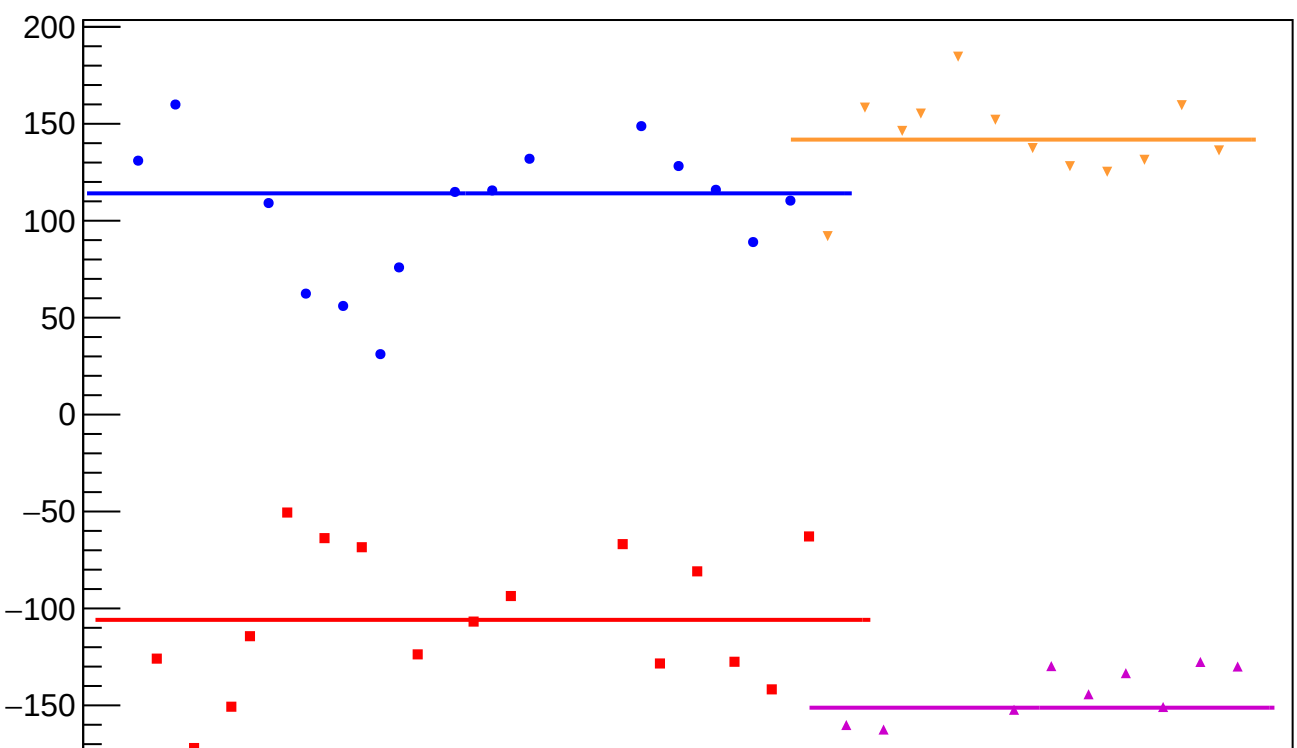
Right Out: 951.903+/-0.000 $\chi^2$/NDF: 8413146968636570441744682842170893271 04.0/15

Out: -2622.043+/-0.000 $\chi^2$/NDF:1619959994130 3

Left In: 5690.941+/-0.000 $\chi^2$/NDF:3557746207229488669680404607498914365 44.0/10

All: 85.397+/-0.000 $\chi^2$/NDF: 5962362698239

# dit_sam6_coil3_err_mean vs Slug, Sign Corrected




Left: -5.477+/-0.000 $\chi^2$/NDF: 40296557348706998

Right In: 114.118+/-0.000 $\chi^2$/NDF: 607226770891525118881736460452495360.0/14

Right: 2.610+/-0.000 $\chi^2$/NDF: 17380785718088446

Left Out: 141.844+/-0.000 $\chi^2$/NDF:455273254245846333149237795723673600.0/11

In: -41.735+/-0.000 $\chi^2$/NDF:27826261181651348

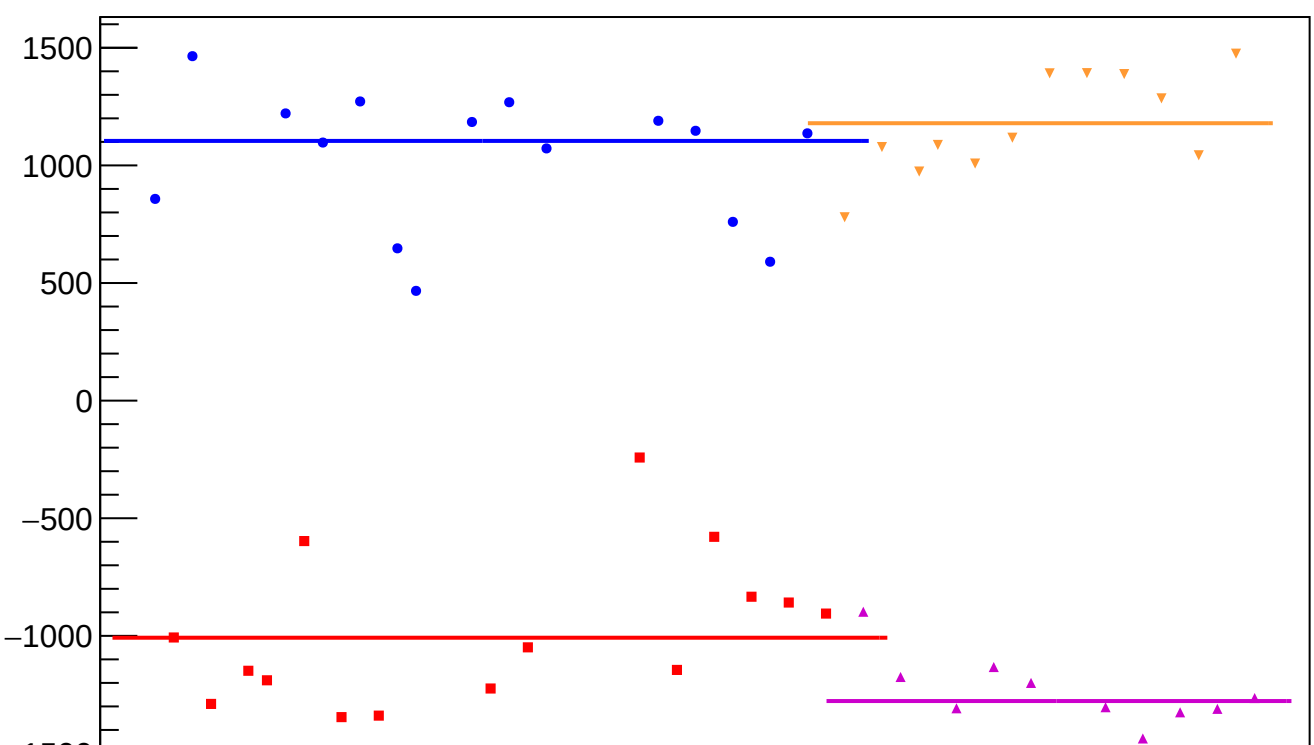
Right Out: -105.890+/-0.000 $\chi^2$/NDF: 851861355270591521058611007535972352.0/15

Out: 37.329+/-0.000 $\chi^2$/NDF:24972280425229792

Left In: -151.203+/-0.000 $\chi^2$/NDF:38222765260499933757743154978409676 8.0/10

All: -2.103+/-0.000 $\chi^2$/NDF: 5772748991096

# dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

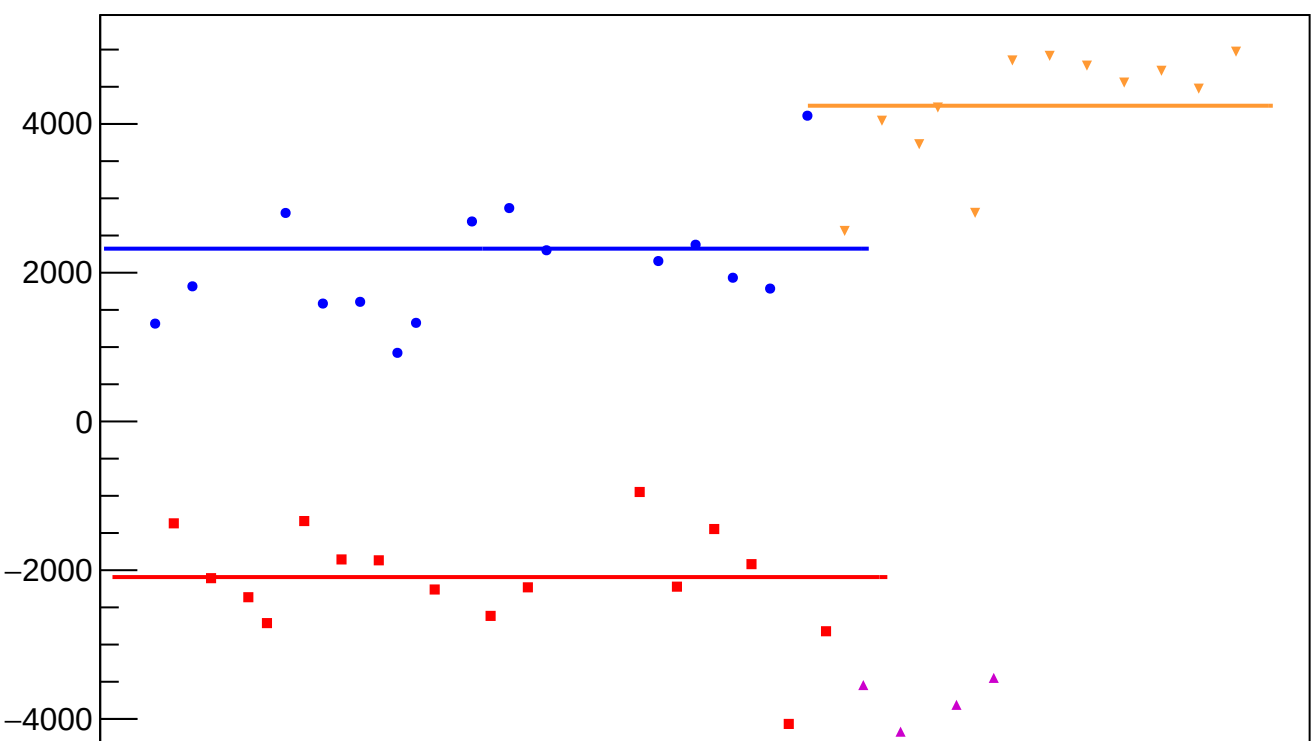
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:195255418221191 0

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_sam7_coil3_mean vs Slug, Sign Corrected




Left: -98.908+/-0.000 $\chi^2$/NDF: 3514152812963095

Right In: 2323.372+/-0.000 $\chi^2$/NDF: 476371189888349375964725620757728591872.0/14

Right: 85.258+/-0.000 $\chi^2$/NDF: 7257650695936348

Left Out: 4245.269+/-0.000 $\chi^2$/NDF:560100037882540295630660663570463719424.0/11

In: -1623.712+/-0.000 $\chi^2$/NDF:179596063861387

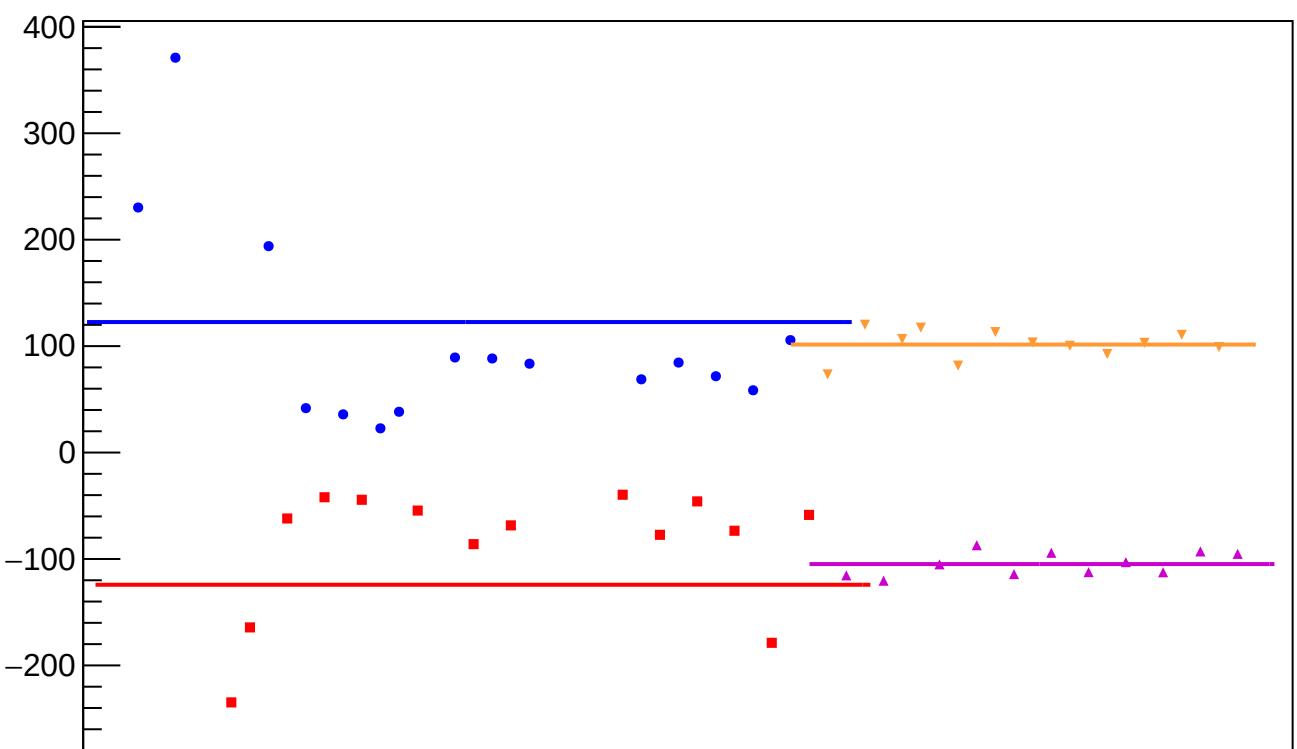
Right Out: -2092.458+/-0.000 $\chi^2$/NDF: 367126080872166122663684022473339174912.0/15

Out: 1571.478+/-0.000 $\chi^2$/NDF:16415649575822

Left In: -4396.069+/-0.000 $\chi^2$/NDF:270326441631367265143713722564756897792.0/10

All: -22.065+/-0.000 $\chi^2$/NDF: 424251896737

# dit_sam7_coil3_err_mean vs Slug, Sign Corrected




Left: -2.219+/-0.000 $\chi^2$/NDF: 19812994387589276

Right In: 122.622+/-0.000 $\chi^2$/NDF: 59375046611876911459032358427494 97344.0/14

Right: -2.485+/-0.000 $\chi^2$/NDF: 3252911350198687

Left Out: 101.470+/-0.000 $\chi^2$/NDF:16360658660921551517460113962041 3440.0/11

In: -10.961+/-0.000 $\chi^2$/NDF:2575473987064935 8

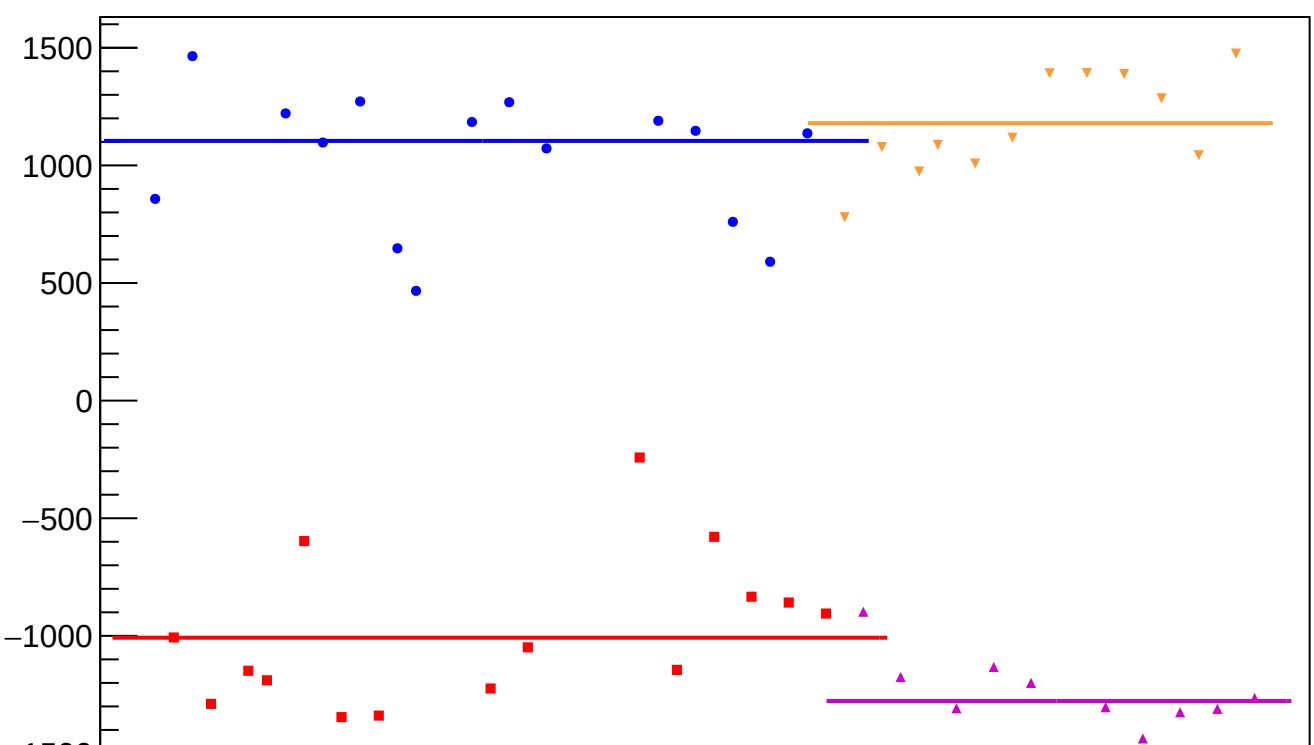
Right Out: -124.216+/-0.000 $\chi^2$/NDF: 6549627589629012958791202941129719808.0/15

Out: 6.256+/-0.000 $\chi^2$/NDF:2635369442246566 89

Left In: -104.786+/-0.000 $\chi^2$/NDF:10201378538133383749343545184695 0912.0/10

All: -2.330+/-0.000 $\chi^2$/NDF: 5234216215941

# dit_sam7_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

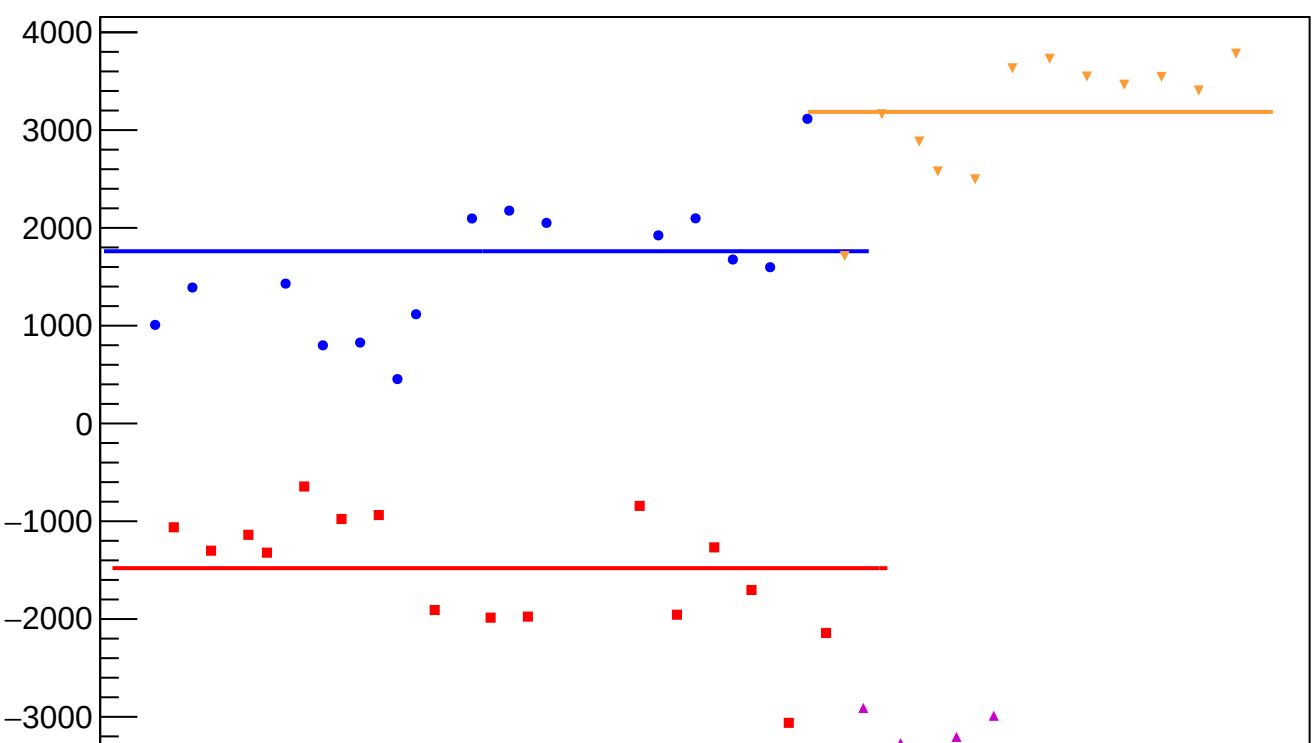
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:195255418221191 0

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_sam8_coil3_mean vs Slug, Sign Corrected




Left: -136.525+/-0.000 $\chi^2$/NDF: 204789855452922

Right In: 1761.245+/-0.000 $\chi^2$/NDF: 332206925976055306953064744993096204288.0/14

Right: 118.557+/-0.000 $\chi^2$/NDF: 405096794129398

Left Out: 3185.925+/-0.000 $\chi^2$/NDF:334945906452981161805339150604505710592.0/11

In: -1284.056+/-0.000 $\chi^2$/NDF:106529223368733

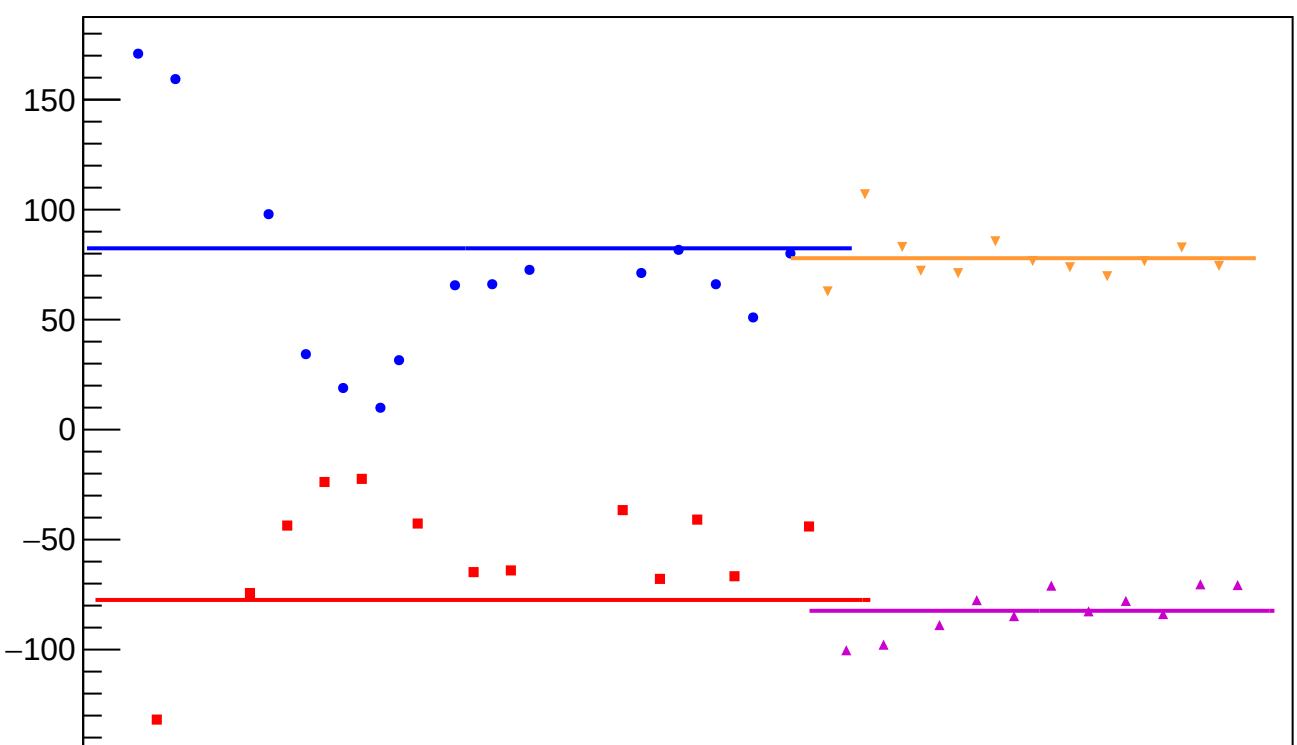
Right Out: -1479.801+/-0.000 $\chi^2$/NDF: 263467768134780968832551238609236131840.0/15

Out: 1217.526+/-0.000 $\chi^2$/NDF:89925987764986

Left In: -3423.018+/-0.000 $\chi^2$/NDF:745370388420888824638695817275684945 92.0/10

All: -30.093+/-0.000 $\chi^2$/NDF: 245798533014

# dit_sam8_coil3_err_mean vs Slug, Sign Corrected




Left: -2.653+/-0.000 $\chi^2$/NDF: 12002252519609657

Right In: 82.422+/-0.000 $\chi^2$/NDF: 1263633347129443757477527241185296384.0/14

Right: 1.403+/-0.000 $\chi^2$/NDF: 11184350671309506

Left Out: 77.927+/-0.000 $\chi^2$/NDF:1088165852895677701597195152109076 48.0/11

In: -14.374+/-0.000 $\chi^2$/NDF:11703552131501015

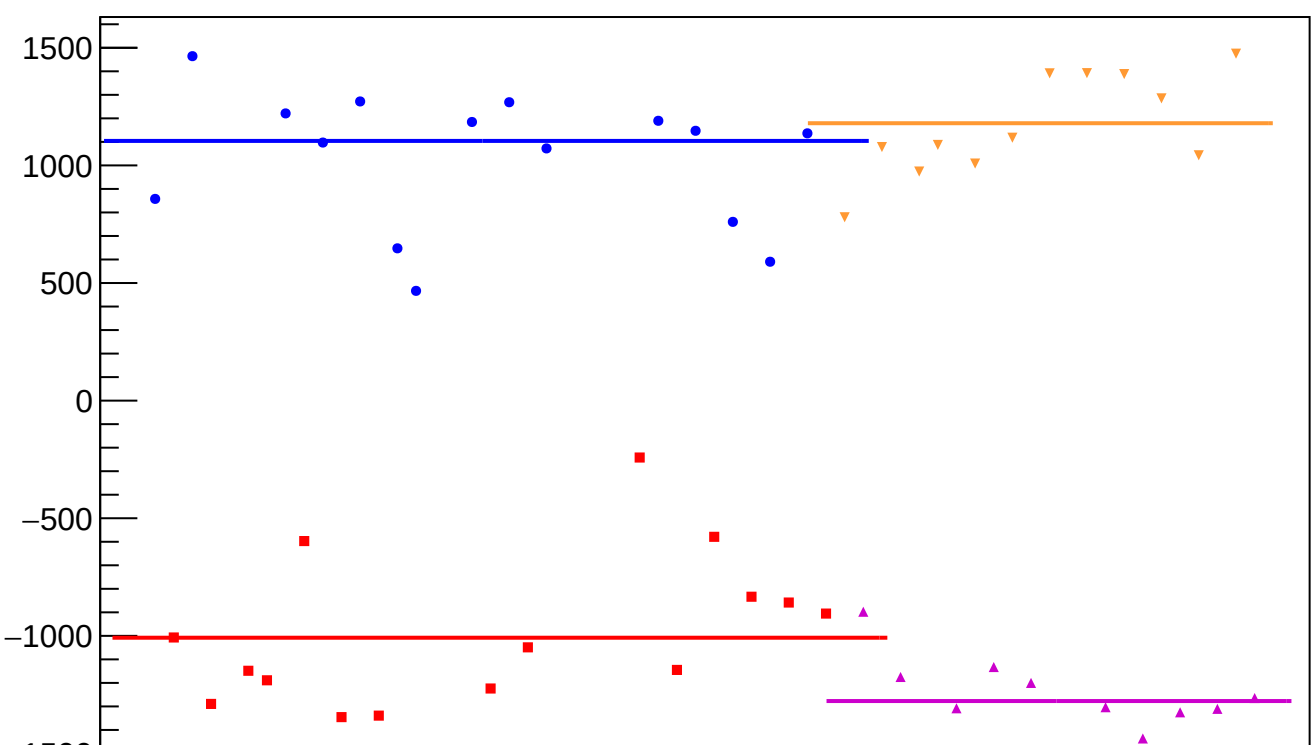
Right Out: -77.430+/-0.000 $\chi^2$/NDF: 1515456409368458038568290276111024128.0/15

Out: 12.384+/-0.000 $\chi^2$/NDF:10931113558677322

Left In: -82.361+/-0.000 $\chi^2$/NDF:8816053676918609649684696689069 2608.0/10

All: -0.961+/-0.000 $\chi^2$/NDF: 2319921906530

# dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected




Left: -55.563+/-0.000 $\chi^2$/NDF: 2840892210996509

Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

In: -294.641+/-0.000 $\chi^2$/NDF:2223953426306853

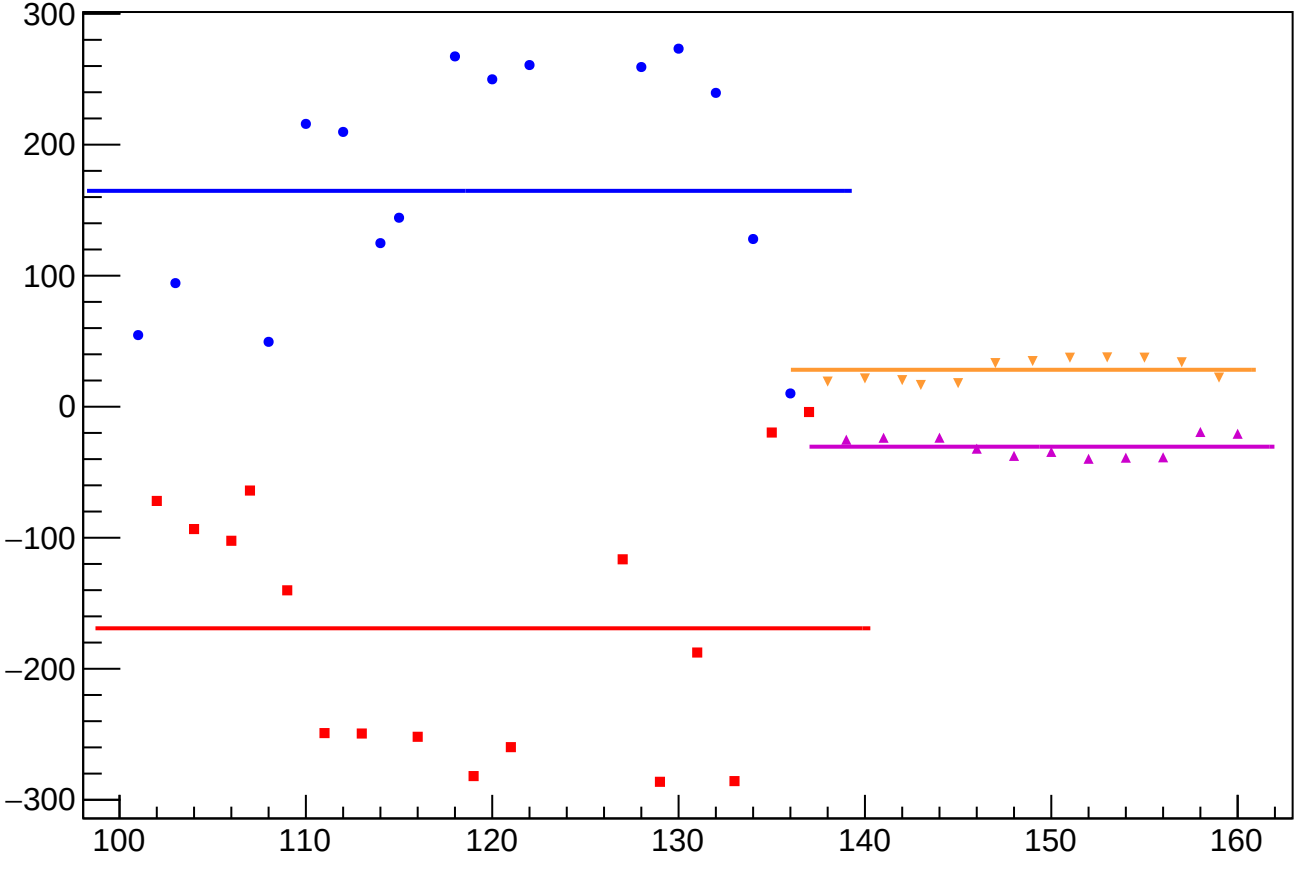
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

Out: 256.572+/-0.000 $\chi^2$/NDF:195255418221191 0

Left In: -1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

All: -18.335+/-0.000 $\chi^2$/NDF: 441608022845

# dit_4aX_coil7_mean vs Slug, Sign Corrected




Left: -1.317+/-0.000 $\chi^2$/NDF: 16978934081589781

Right In: 164.752+/-0.000 $\chi^2$/NDF: 636982894318183391742569991655496089 6.0/14

Right: -4.461+/-0.000 $\chi^2$/NDF: 4907468178563624

Left Out: 28.192+/-0.000 $\chi^2$/NDF:6207392894986276808397505937853644 8.0/11

In: 50.054+/-0.000 $\chi^2$/NDF:20957243949655608 5

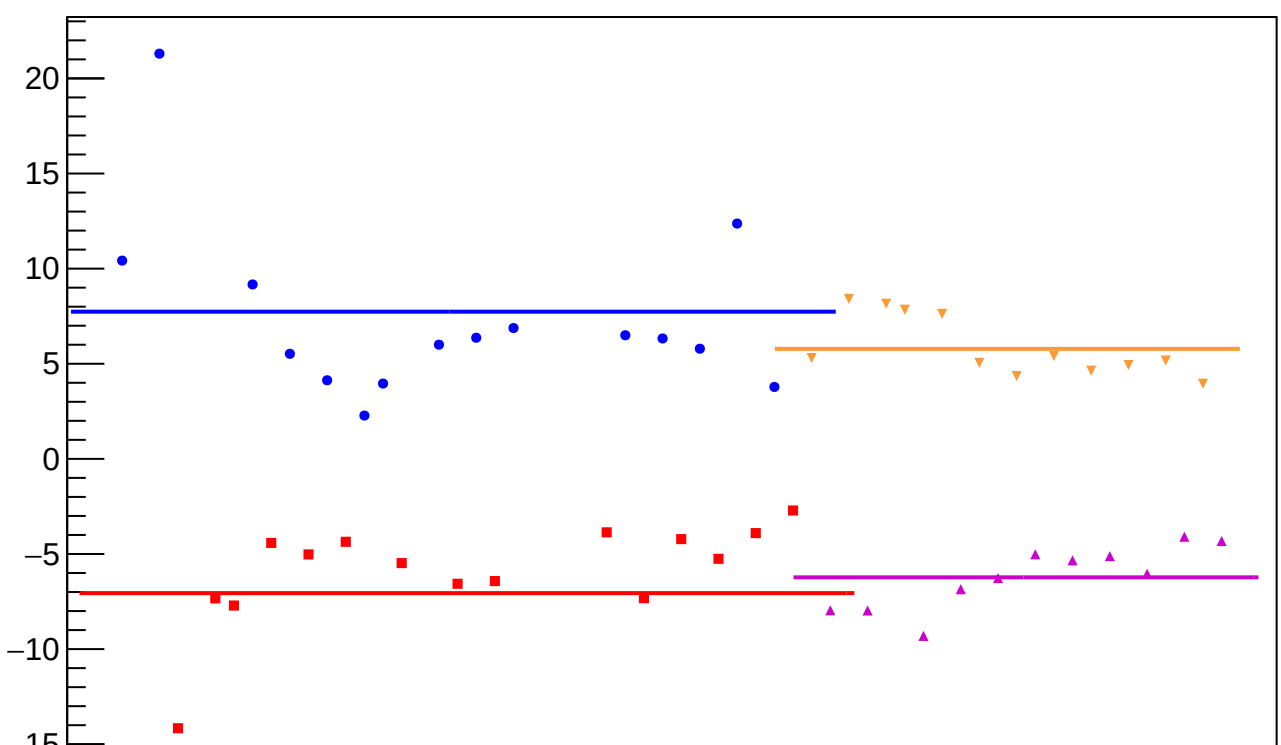
Right Out: -169.108+/-0.000 $\chi^2$/NDF: 604072180204293682276691068781907148 8.0/15

Out: -55.045+/-0.000 $\chi^2$/NDF:2111323920107624

Left In: -30.507+/-0.000 $\chi^2$/NDF:5260070014827404980158669967169945 6.0/10

All: -2.629+/-0.000 $\chi^2$/NDF: 5078015592202

# dit_4aX_coil7_err_mean vs Slug, Sign Corrected




Right In: 7.738+/-0.000 $\chi^2$/NDF: 1512721547923450600746949276807987 2.0/14

Left Out: 5.783+/-0.000 $\chi^2$/NDF:2082103650411209995862519006101504.0/11

Right Out: -7.057+/-0.000 $\chi^2$/NDF: 1129244120413939479234124275358 1056.0/15

Left In: -6.228+/-0.000 $\chi^2$/NDF:2331911751655733809355489024147456.0/10

Left: -0.255+/-0.000 $\chi^2$/NDF: 7069951433838344 3

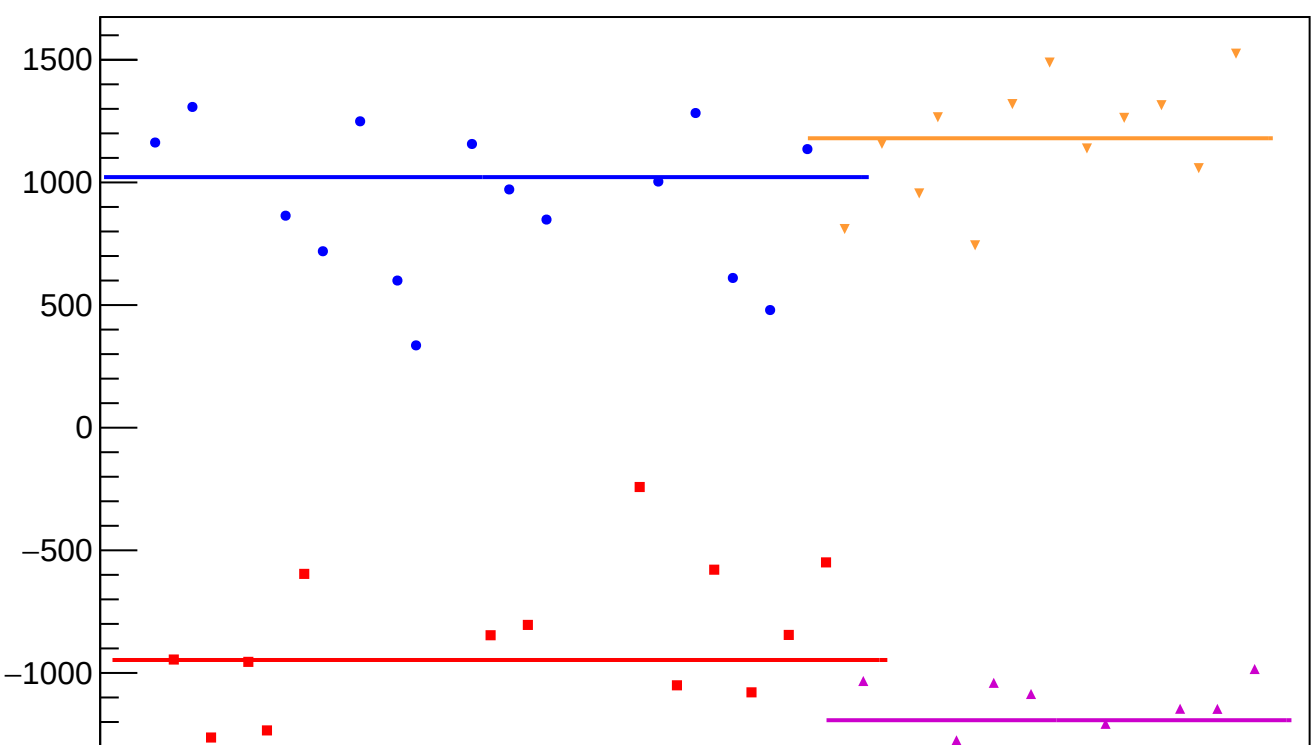
Right: 0.240+/-0.000 $\chi^2$/NDF: 9842438924998126 8

In: -0.465+/-0.000 $\chi^2$/NDF:918173600433659014

Out: 0.366+/-0.000 $\chi^2$/NDF:769487203069941784

All: -0.049+/-0.000 $\chi^2$/NDF: 1693113496789

# dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

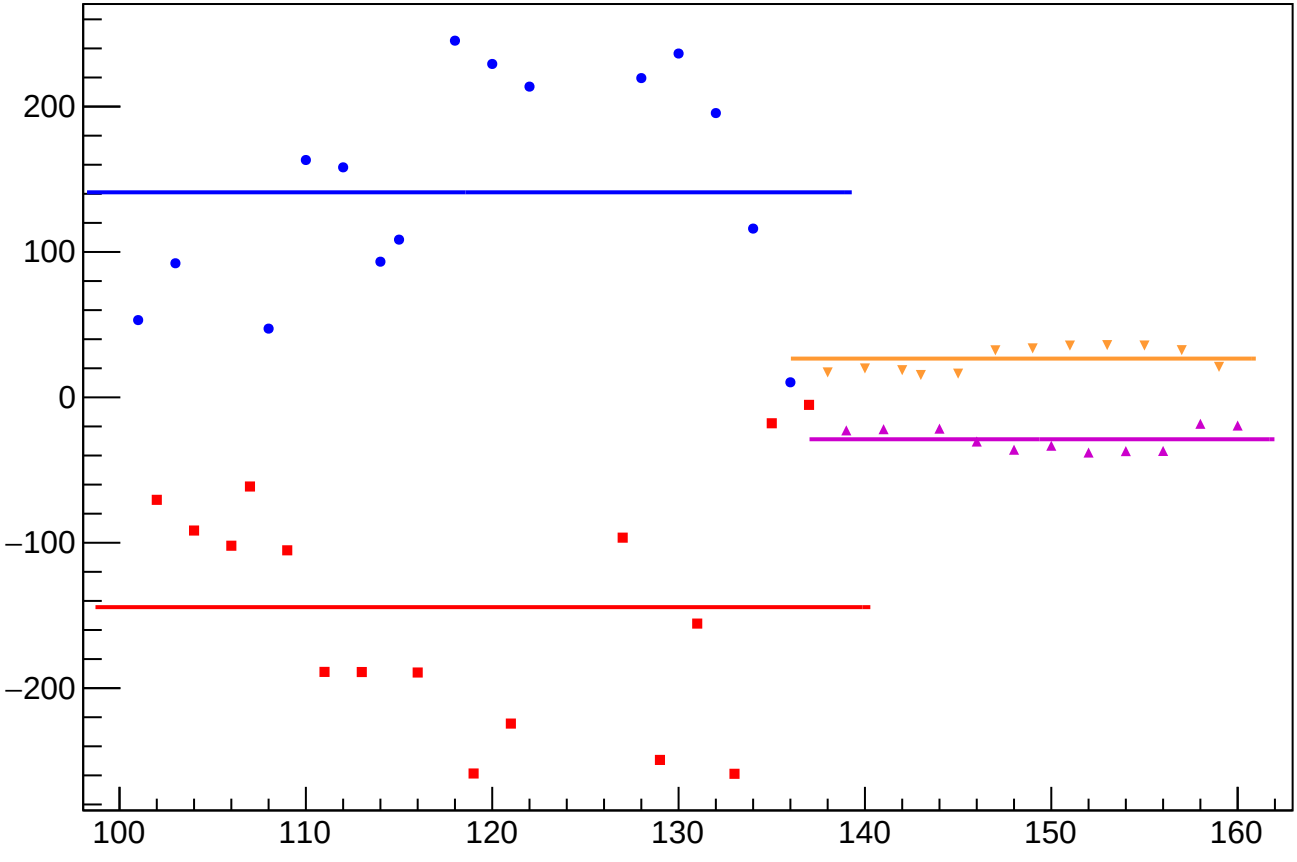
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_4eX_coil7_mean vs Slug, Sign Corrected




Left: -1.225+/-0.000 $\chi^2$/NDF: 15294237123103654

Right In: 141.032+/-0.000 $\chi^2$/NDF: 4507992585512923332587415612245934080.0/14

Right: -3.577+/-0.000 $\chi^2$/NDF: 3555338643006251

Left Out: 26.669+/-0.000 $\chi^2$/NDF:6252234311411585623862909696632422 4.0/11

In: 41.261+/-0.000 $\chi^2$/NDF:15558202913354022

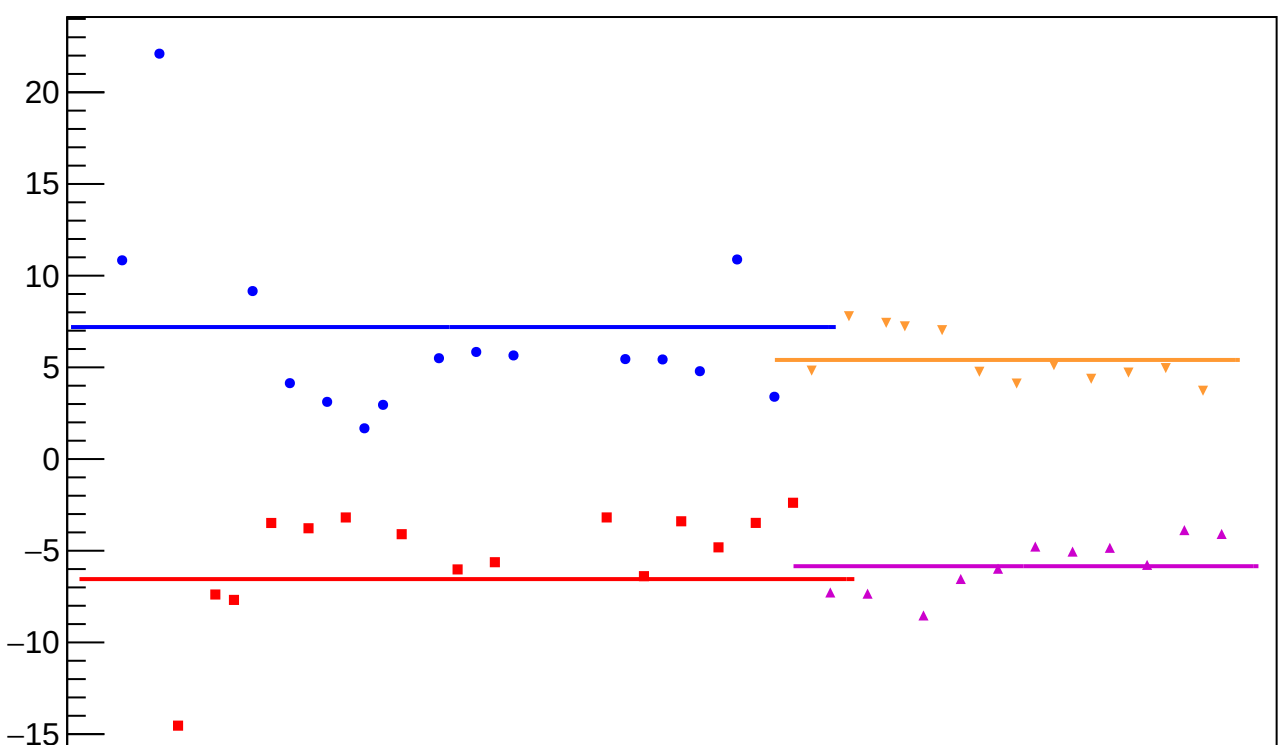
Right Out: -144.283+/-0.000 $\chi^2$/NDF: 4268333571517740886065361663928827904.0/15

Out: -45.453+/-0.000 $\chi^2$/NDF:1559993230161443

Left In: -28.817+/-0.000 $\chi^2$/NDF:5230979753213239399055327730702745 6.0/10

All: -2.206+/-0.000 $\chi^2$/NDF: 3708705323759

# dit_4eX_coil7_err_mean vs Slug, Sign Corrected




Right In: 7.198+/-0.000 $\chi^2$/NDF: 1821264072850278533783196696313856 0.0/14

Left Out: 5.404+/-0.000 $\chi^2$/NDF:1657476673222734549536062415306752.0/11

Right Out: -6.547+/-0.000 $\chi^2$/NDF: 1407891250511606893623080983409 4592.0/15

Left In: -5.843+/-0.000 $\chi^2$/NDF:1832786837102707862400537806766080.0/10

Left: -0.250+/-0.000 $\chi^2$/NDF: 6161814130273038 1

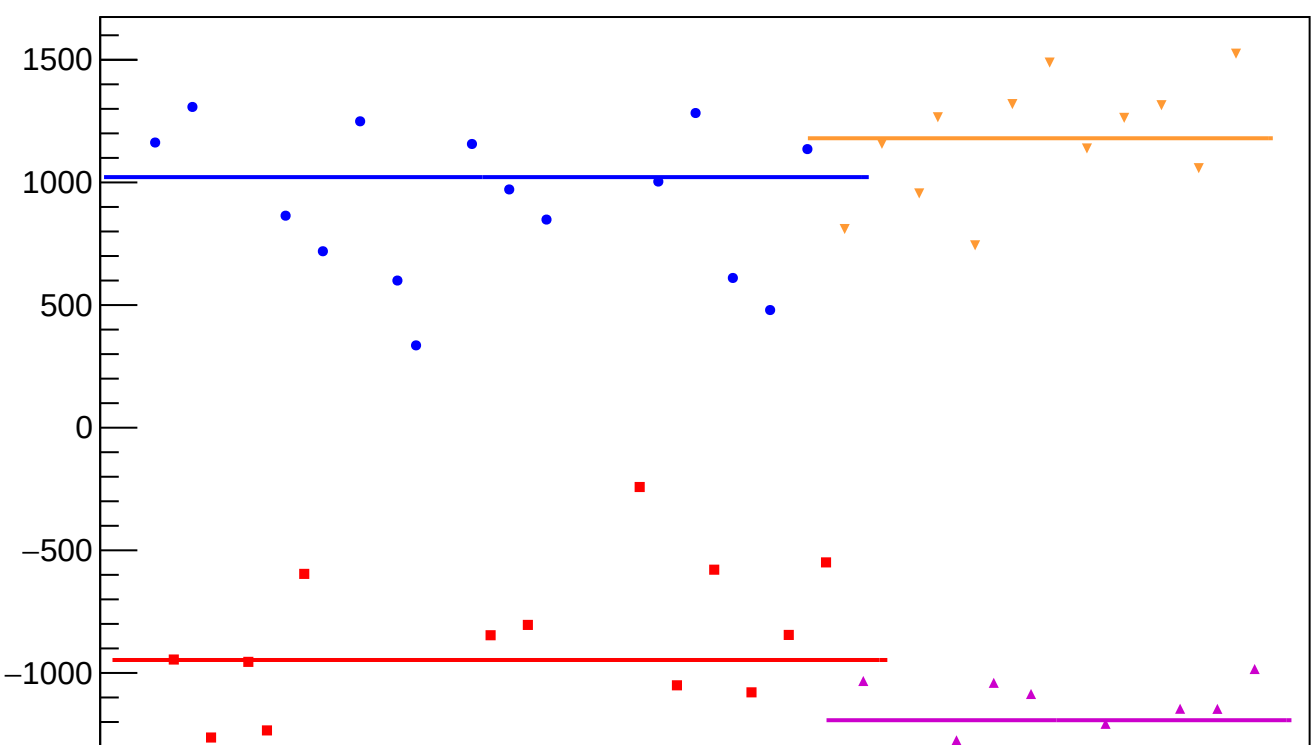
Right: 0.232+/-0.000 $\chi^2$/NDF: 9443088474536779 1

In: -0.463+/-0.000 $\chi^2$/NDF:8488165889201747 35

Out: 0.362+/-0.000 $\chi^2$/NDF:7080864399270327 17

All: -0.049+/-0.000 $\chi^2$/NDF: 1562270252344

# dit_4eX_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

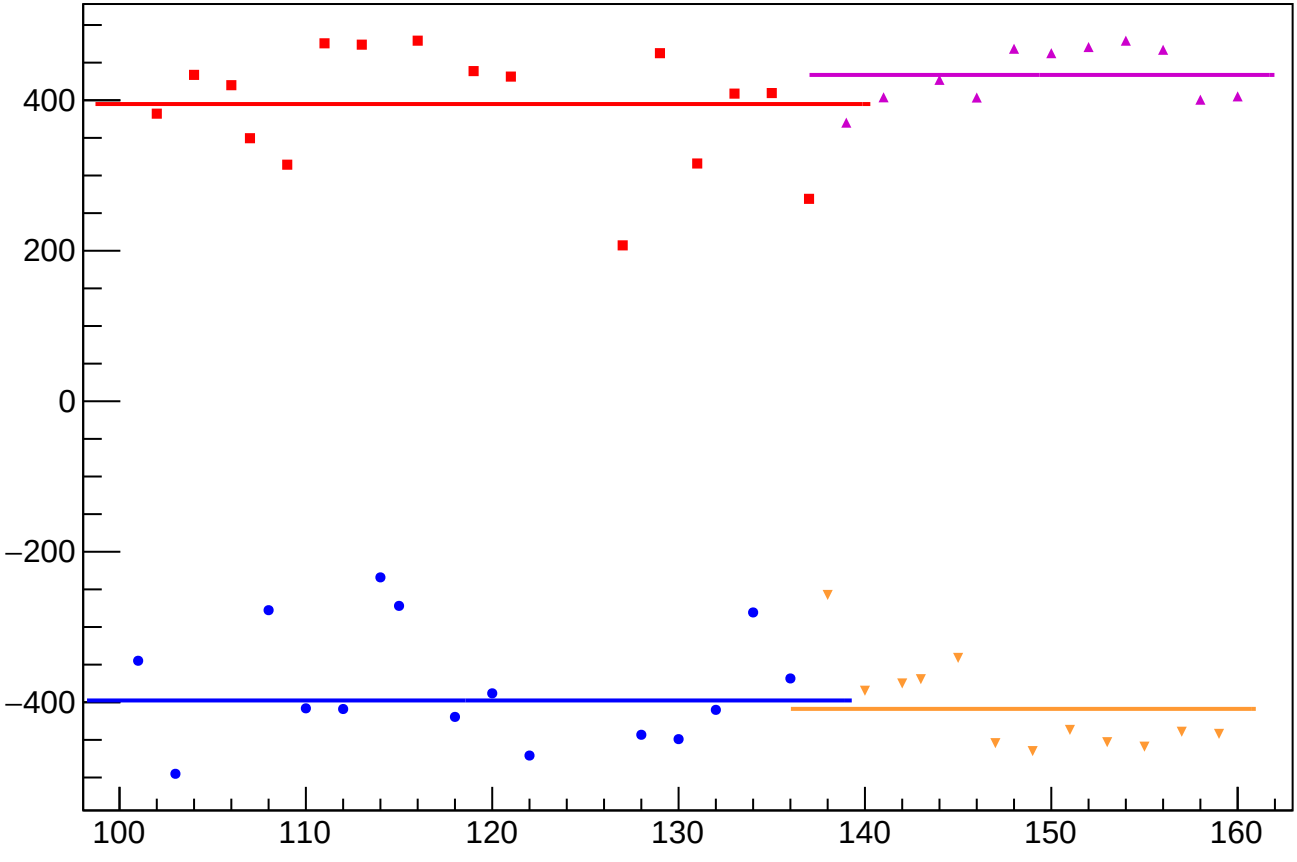
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

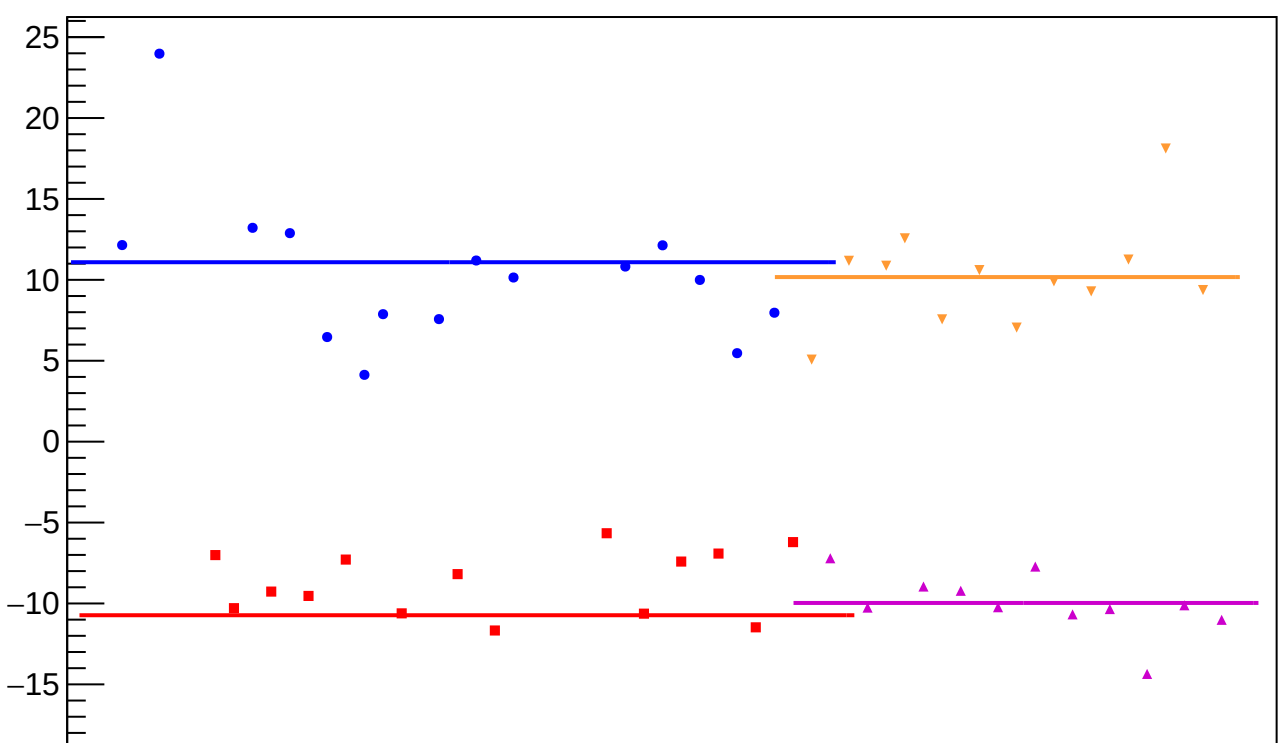
All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_11X12X_coil7_mean vs Slug, Sign Corrected




Left: 14.727+/-0.000 $\chi^2$/NDF: 3306788770143985
Right In: -397.613+/-0.000 $\chi^2$/NDF: 266128078538463320709610622947426304 0.0/14
Right: 4.100+/-0.000 $\chi^2$/NDF: 2129834298843728 3
Left Out: -408.794+/-0.000 $\chi^2$/NDF:336657321396169290943910504040497152 0.0/11
In: 90.690+/-0.000 $\chi^2$/NDF:267298439260479340
Right Out: 394.973+/-0.000 $\chi^2$/NDF: 368559551342718350159616528087410278 4.0/15
Out: -69.697+/-0.000 $\chi^2$/NDF:2561673028781217
Left In: 433.664+/-0.000 $\chi^2$/NDF:119823742138546110468749548459969740 8.0/10
All: 10.293+/-0.000 $\chi^2$/NDF: 5437489116587

# dit_11X12X_coil7_err_mean vs Slug, Sign Corrected




Left: 0.046+/-0.000 $\chi^2$/NDF: 19835798282447665

Right In: 11.089+/-0.000 $\chi^2$/NDF: 1423599112201498447816335126691840 0.0/14

Right: 0.031+/-0.000 $\chi^2$/NDF: 1855646914967822 4

Left Out: 10.171+/-0.000 $\chi^2$/NDF:9089684940831859823552687731900416.0/11

In: -1.280+/-0.000 $\chi^2$/NDF:1861837973152803 28

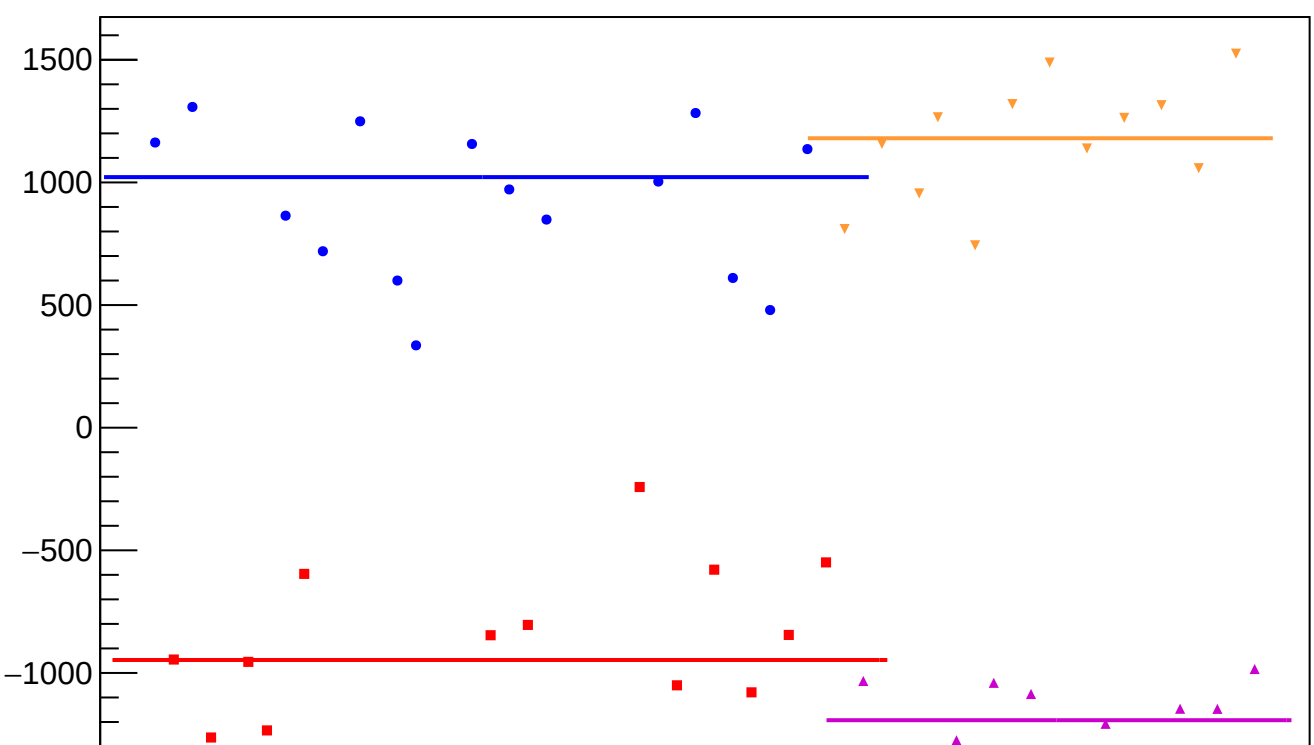
Right Out: -10.728+/-0.000 $\chi^2$/NDF: 1476723829072526090808112443713 1264.0/15

Out: 1.354+/-0.000 $\chi^2$/NDF:1922663154658547 31

Left In: -9.968+/-0.000 $\chi^2$/NDF:2905664542402179840795878184976384.0/10

All: 0.040+/-0.000 $\chi^2$/NDF: 3839228456311 8

# dit_11X12X_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

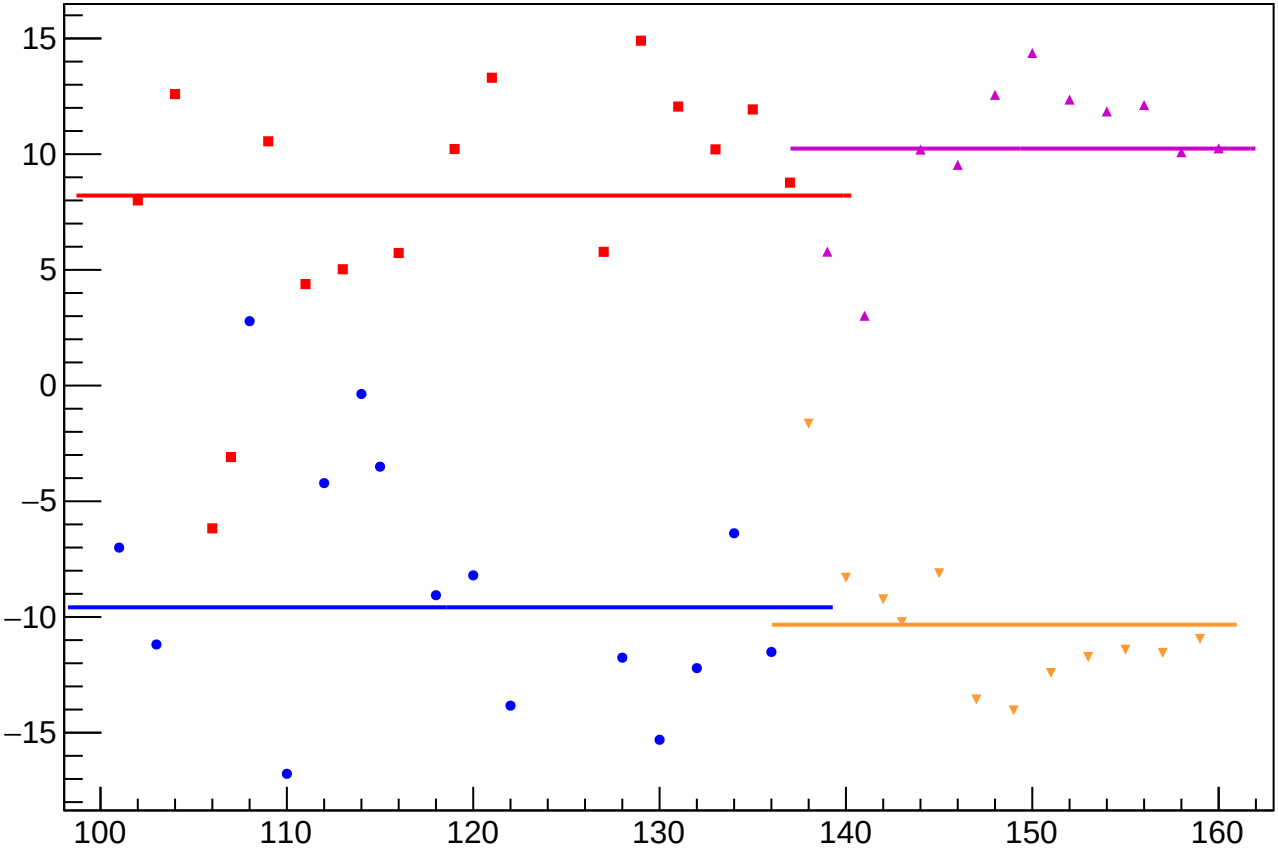
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_4aY_coil7_mean vs Slug, Sign Corrected




Left: 0.010+/-0.000 $\chi^2$/NDF: 21288427185661419

Right In: -9.582+/-0.000 $\chi^2$/NDF: 1470267998394000282080647196337766 4.0/14

Right: -0.564+/-0.000 $\chi^2$/NDF: 1371493250181668

Left Out: -10.333+/-0.000 $\chi^2$/NDF:9377692425026365375047041474887680.0/11

In: 2.062+/-0.000 $\chi^2$/NDF:173509343725026815 6

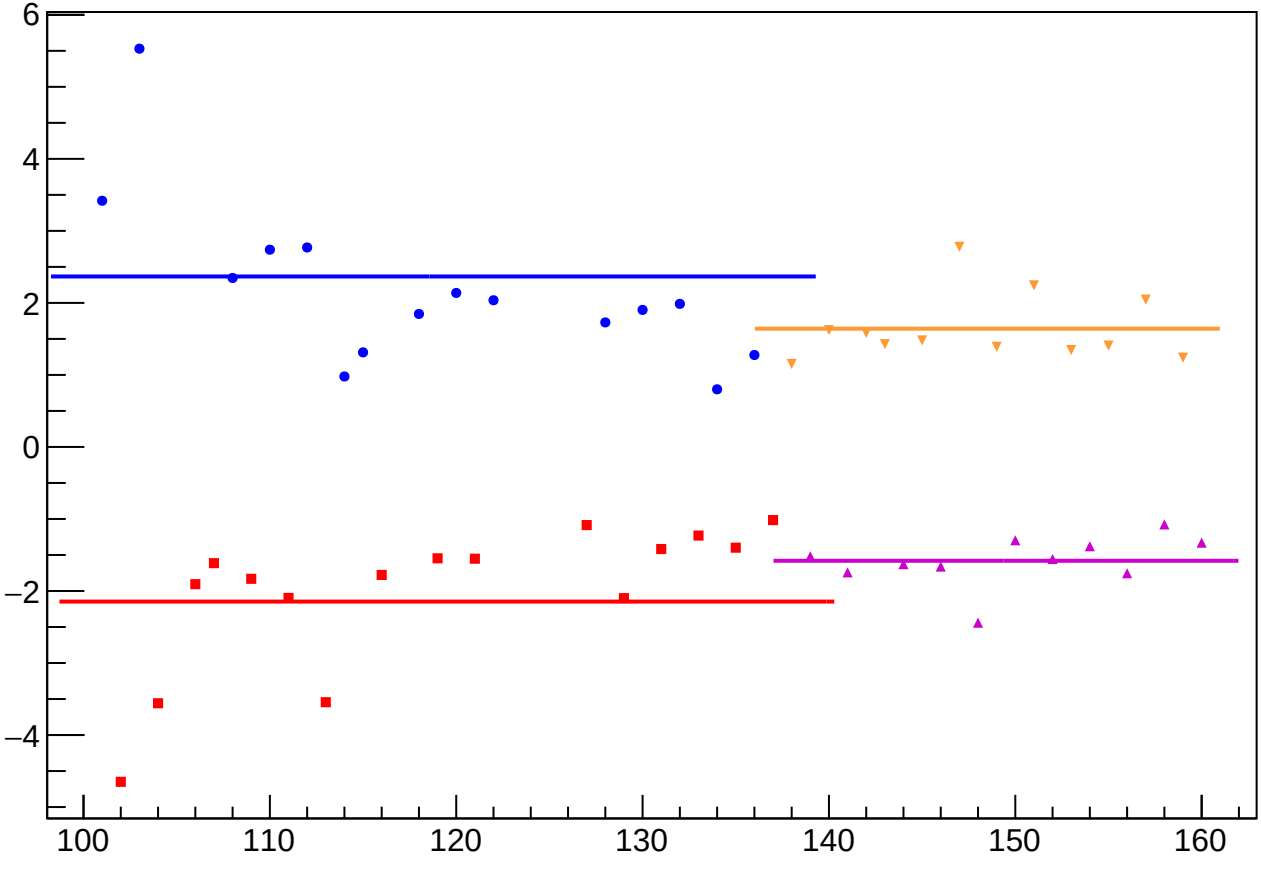
Right Out: 8.211+/-0.000 $\chi^2$/NDF: 1830423729383596146560575420445 4912.0/15

Out: -2.510+/-0.000 $\chi^2$/NDF:16029265277756400

Left In: 10.241+/-0.000 $\chi^2$/NDF:8992829088408430483485977772818432.0/10

All: -0.229+/-0.000 $\chi^2$/NDF: 3502860386482

# dit_4aY_coil7_err_mean vs Slug, Sign Corrected




Right In: 2.367+/-0.000 $\chi^2$/NDF: 9206332945461528769220667674460 16.0/14

Left Out: 1.642+/-0.000 $\chi^2$/NDF:1958421482260435270399099152629 76.0/11

Right Out: -2.147+/-0.000 $\chi^2$/NDF: 7641719924802244786561275553382 40.0/15

Left In: -1.580+/-0.000 $\chi^2$/NDF:1041598201066898133531717921669 12.0/10

Left: 0.022+/-0.000 $\chi^2$/NDF: 5071287631996029 95

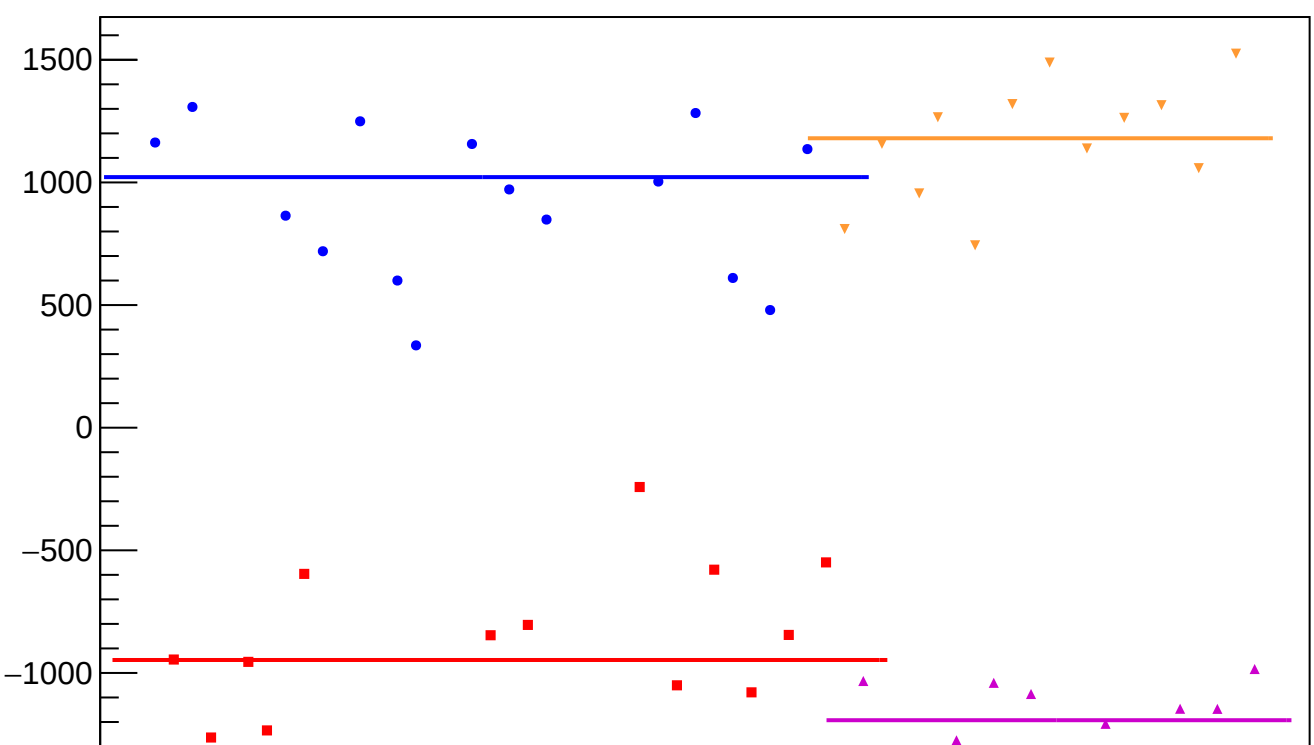
Right: 0.079+/-0.000 $\chi^2$/NDF: 8387735383882358 8

In: 0.048+/-0.000 $\chi^2$/NDF:6965293012919252949

Out: 0.043+/-0.000 $\chi^2$/NDF:6496209929578135 24

All: 0.046+/-0.000 $\chi^2$/NDF: 1346152125822 2

# dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

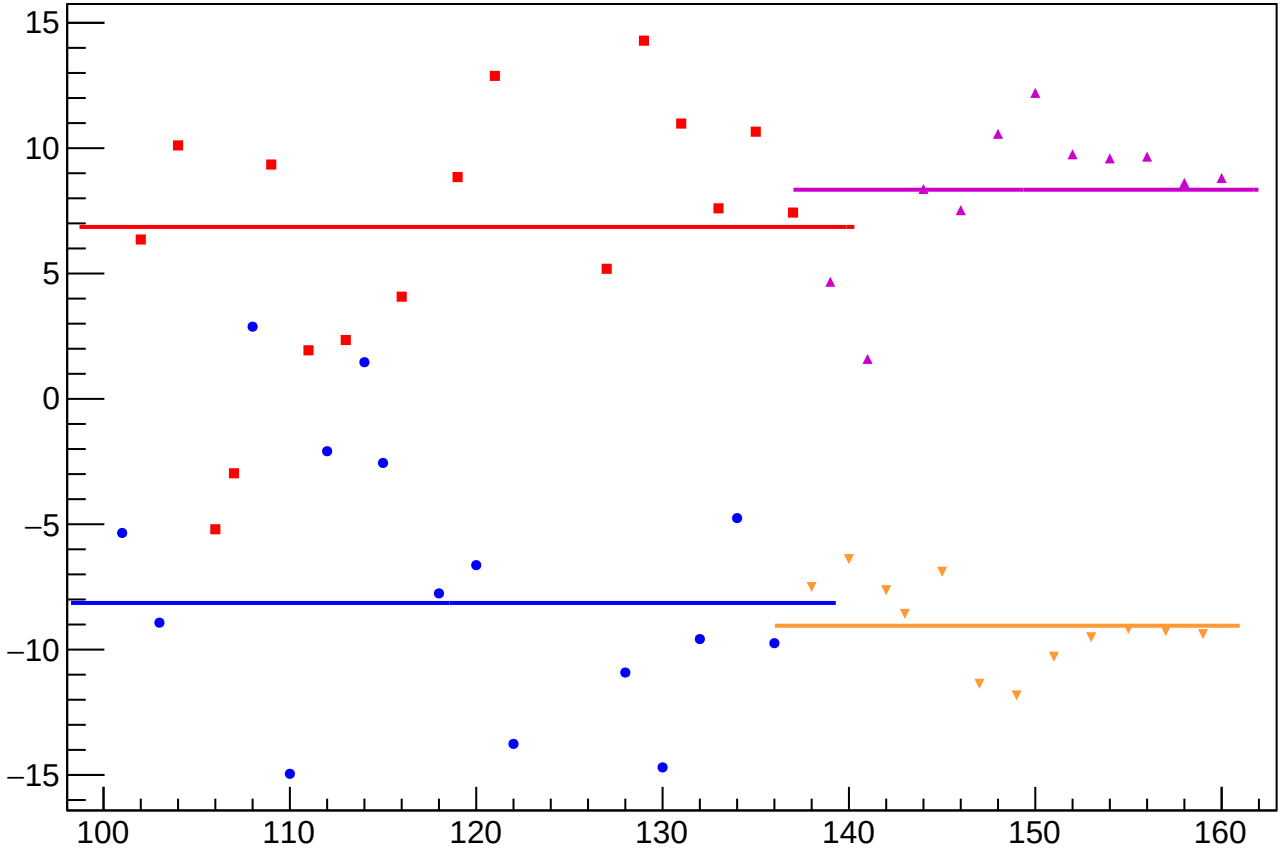
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_4eY_coil7_mean vs Slug, Sign Corrected




Left: -0.306+/-0.000 $\chi^2$/NDF: 14869200131628523

Right In: -8.139+/-0.000 $\chi^2$/NDF: 14676442649222120372533779893321728.0/14

Right: -0.537+/-0.000 $\chi^2$/NDF: 1051474549999360

Left Out: -9.049+/-0.000 $\chi^2$/NDF:24490585061848397921338895011676 16.0/11

In: 1.543+/-0.000 $\chi^2$/NDF:125503787533392226

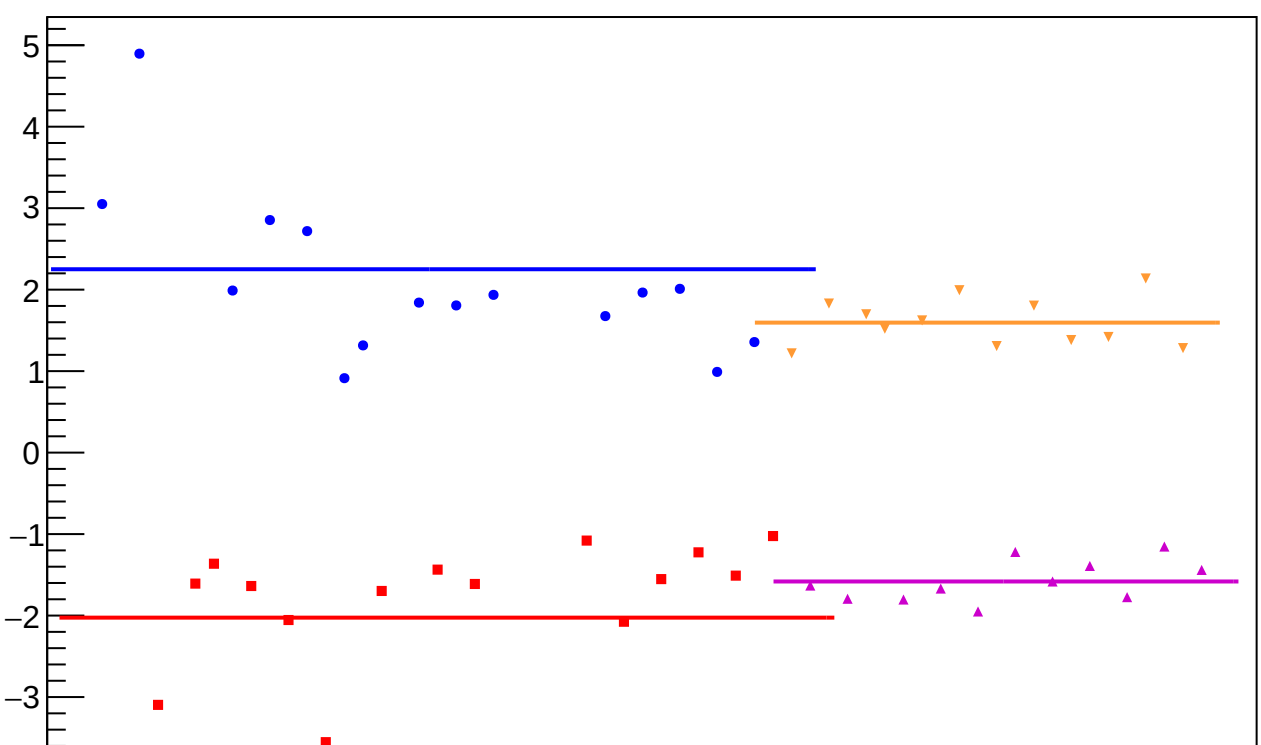
Right Out: 6.859+/-0.000 $\chi^2$/NDF: 16483631561591790731352632153079808.0/15

Out: -2.337+/-0.000 $\chi^2$/NDF:11650582915107792

Left In: 8.343+/-0.000 $\chi^2$/NDF:7268690948063694771204756789526528.0/10

All: -0.402+/-0.000 $\chi^2$/NDF: 2538807042517

# dit_4eY_coil7_err_mean vs Slug, Sign Corrected




Left: -0.002+/-0.000 $\chi^2$/NDF: 47692091365886523

Right In: 2.250+/-0.000 $\chi^2$/NDF: 6567745881362748162954427010908 16.0/14

Right: 0.083+/-0.000 $\chi^2$/NDF: 7249257967761916 2

Left Out: 1.595+/-0.000 $\chi^2$/NDF:7654921329220878114854523004518 4.0/11

In: -0.001+/-0.000 $\chi^2$/NDF:6309895304993274 21

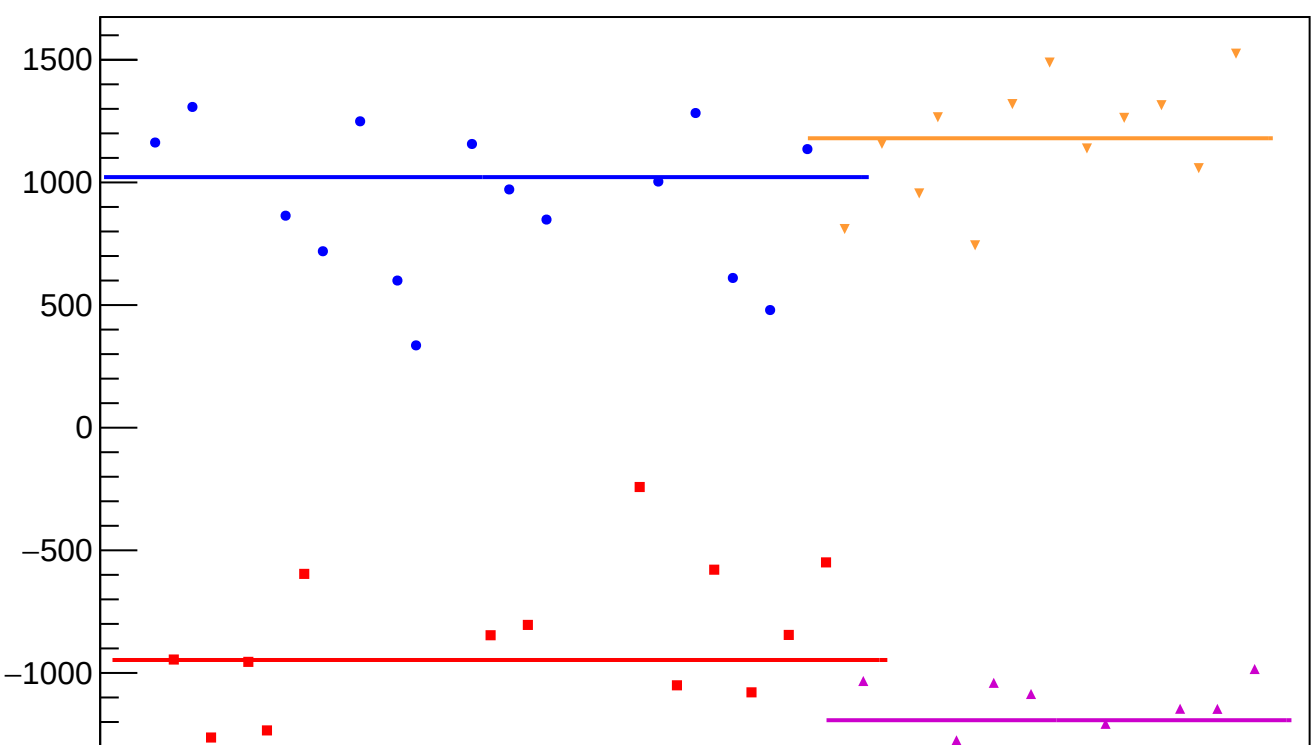
Right Out: -2.025+/-0.000 $\chi^2$/NDF: 5787174417629564546165055999180 80.0/15

Out: 0.068+/-0.000 $\chi^2$/NDF:5710429327761081 99

Left In: -1.582+/-0.000 $\chi^2$/NDF:5493098814576343490489799933952 0.0/10

All: 0.034+/-0.000 $\chi^2$/NDF: 1202401440292 9

# dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

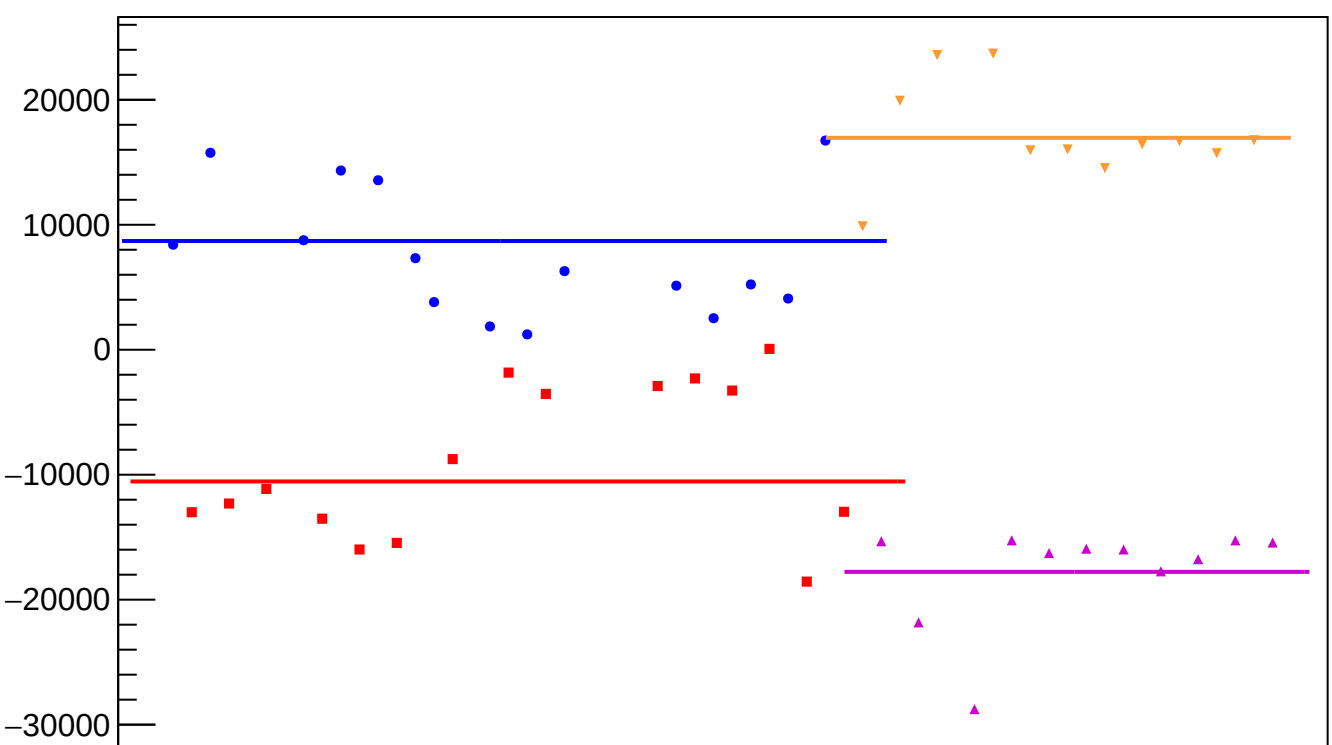
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_usl_coil7_mean vs Slug, Sign Corrected




Left: -1162.779+/-0.000 $\chi^2$/NDF: 55890843498990

Right In: 8703.332+/-0.000 $\chi^2$/NDF: 195011330673084268595363045008191191922688.0/14

Right: -1049.596+/-0.000 $\chi^2$/NDF: 1875271262832

Left Out: 16957.575+/-0.000 $\chi^2$/NDF:109380086255505617702852542976972438896 64.0/10

In: -6849.259+/-0.000 $\chi^2$/NDF:301670600144202

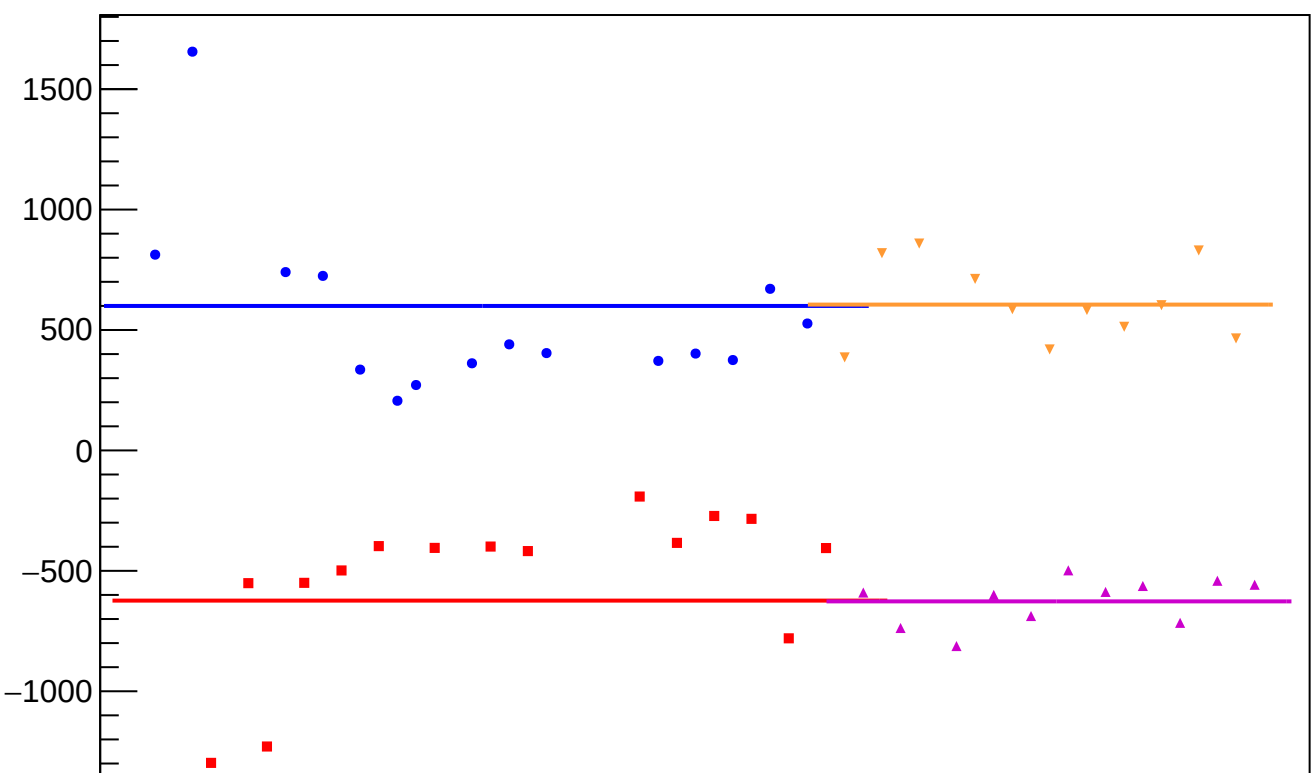
Right Out: -10539.327+/-0.000 $\chi^2$/NDF: 462266842278361092733940625697537586626 56.0/15

Out: 4843.682+/-0.000 $\chi^2$/NDF:33929574980115 9

Left In: -17773.103+/-0.000 $\chi^2$/NDF:149260669911428894526765875526186324459 52.0/10

All: -1114.529+/-0.000 $\chi^2$/NDF: 7464452329

# dit_usl_coil7_err_mean vs Slug, Sign Corrected




Left: -37.453+/-0.000 $\chi^2$/NDF: 6997777139470911

Right In: 599.849+/-0.000 $\chi^2$/NDF: 8925896110037324430933720871563847270 4.0/14

Right: -20.227+/-0.000 $\chi^2$/NDF: 6830471042435100

Left Out: 605.454+/-0.000 $\chi^2$/NDF:2060003669657688968648891386270685593 6.0/10

In: -120.691+/-0.000 $\chi^2$/NDF:6710419743647367

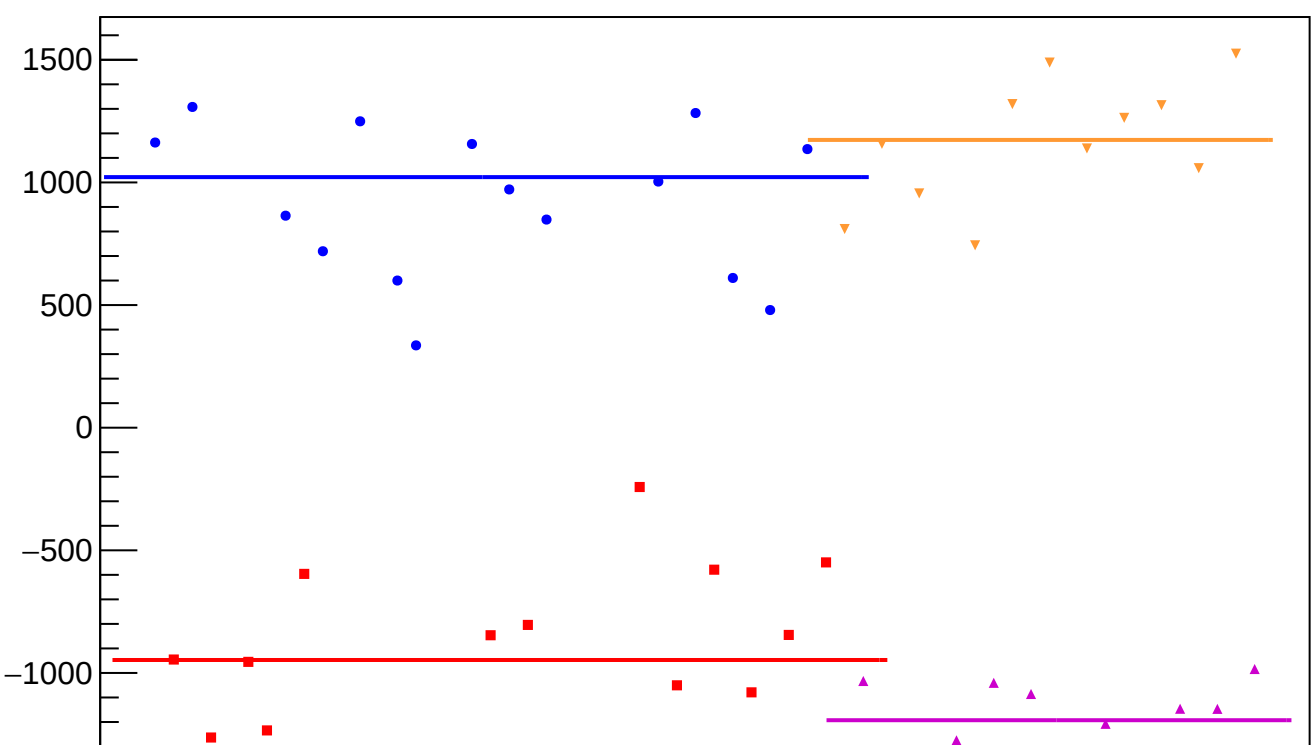
Right Out: -623.569+/-0.000 $\chi^2$/NDF: 1014488454792976030441526181268794900 48.0/15

Out: 64.002+/-0.000 $\chi^2$/NDF:6856908765406279 7

Left In: -626.785+/-0.000 $\chi^2$/NDF:8170989429665370050254275774703992832.0/10

All: -30.110+/-0.000 $\chi^2$/NDF: 138304886705

# dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -61.112+/-0.000 $\chi^2$/NDF: 2543368931885977

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1173.334+/-0.000 $\chi^2$/NDF:502592256921254396792444427519246991 36.0/10

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

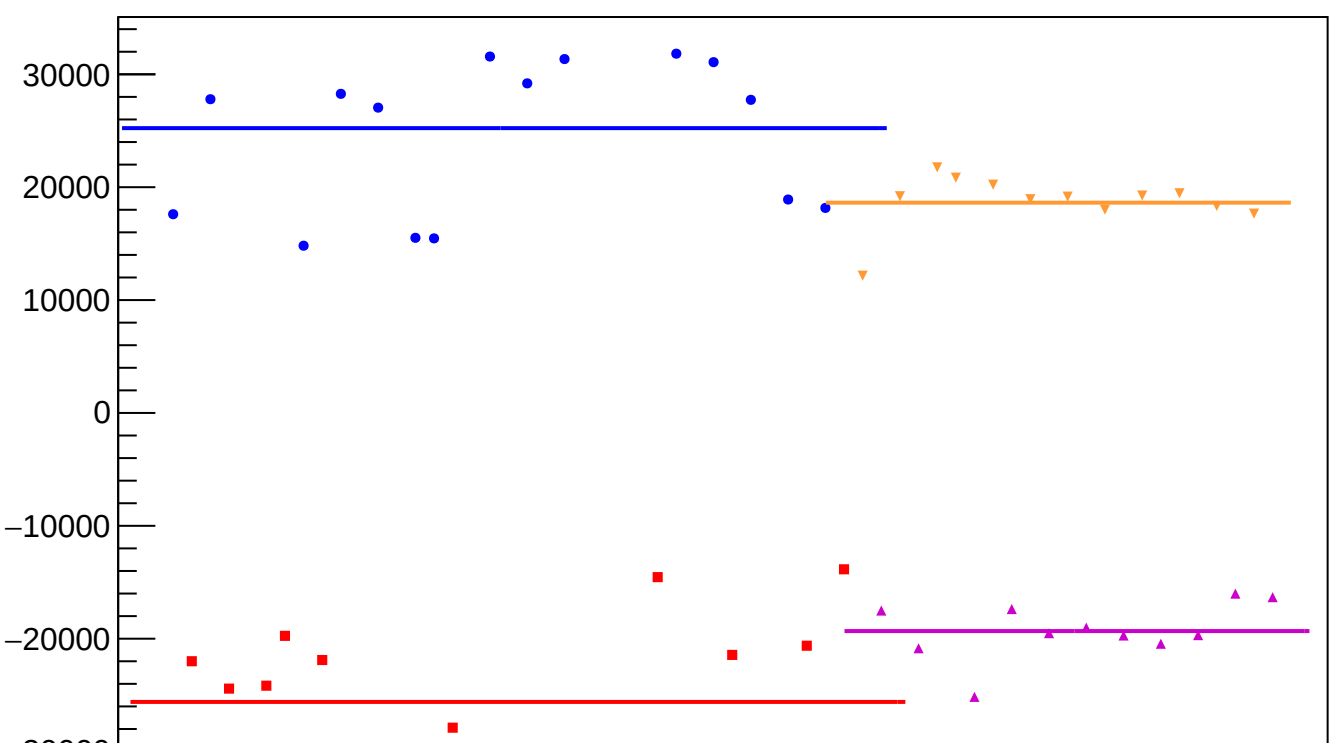
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 239.147+/-0.000 $\chi^2$/NDF:1795887749814407

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

All: -24.912+/-0.000 $\chi^2$/NDF: 393215150522

# dit_usr_coil7_mean vs Slug, Sign Corrected




Left: -449.430+/-0.000 $\chi^2$/NDF: 671887437308897

Right In: 25232.229+/-0.000 $\chi^2$/NDF: 2453458197477203101630463386353863229440 0.0/14

Right: -532.226+/-0.000 $\chi^2$/NDF: 89888992461613

Left Out: 18630.609+/-0.000 $\chi^2$/NDF:4499157177792733453337123782201790431232.0/11

In: -940.058+/-0.000 $\chi^2$/NDF:7868508361919144

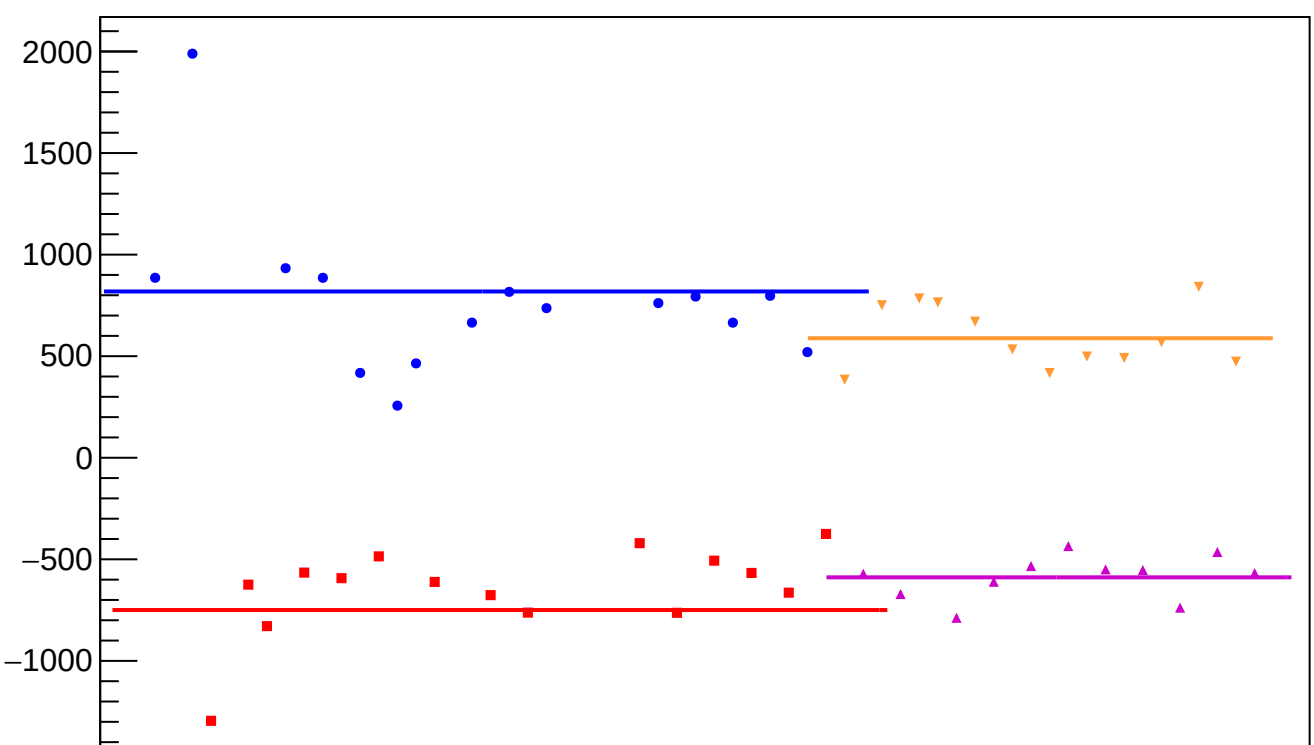
Right Out: -25601.388+/-0.000 $\chi^2$/NDF: 2435975758796451082765081984727048309964 8.0/15

Out: -30.202+/-0.000 $\chi^2$/NDF:7832790364927991

Left In: -19322.974+/-0.000 $\chi^2$/NDF:5509841990831420617123513924011035721728.0/10

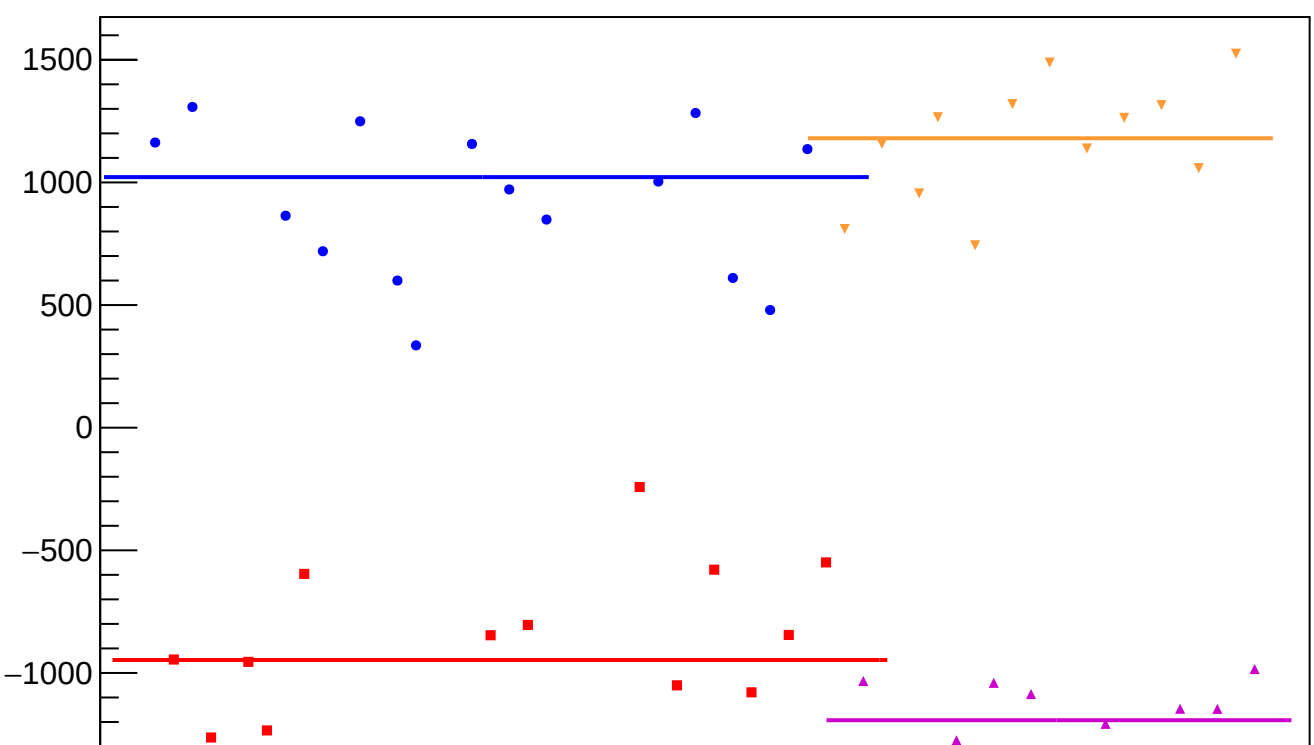
All: -483.976+/-0.000 $\chi^2$/NDF: 15707826192

# dit_usr_coil7_err_mean vs Slug, Sign Corrected




Left: -3.353+/-0.000 $\chi^2$/NDF: 66659527229300677
Right In: 818.668+/-0.000 $\chi^2$/NDF: 1056065270969119744894968023183733555 20.0/14
Right: 23.778+/-0.000 $\chi^2$/NDF: 9926549473307925
Left Out: 588.391+/-0.000 $\chi^2$/NDF:2006019737798911499129666566607811379 2.0/11
In: -8.034+/-0.000 $\chi^2$/NDF:870601201099148606
Right Out: -749.661+/-0.000 $\chi^2$/NDF: 7797269183460570870614546125066915020 8.0/15
Out: 23.887+/-0.000 $\chi^2$/NDF:7884100997883068 9
Left In: -588.693+/-0.000 $\chi^2$/NDF:9904386894828699094725074481582178304.0/10
All: 7.967+/-0.000 $\chi^2$/NDF: 1659814713315 5

# dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

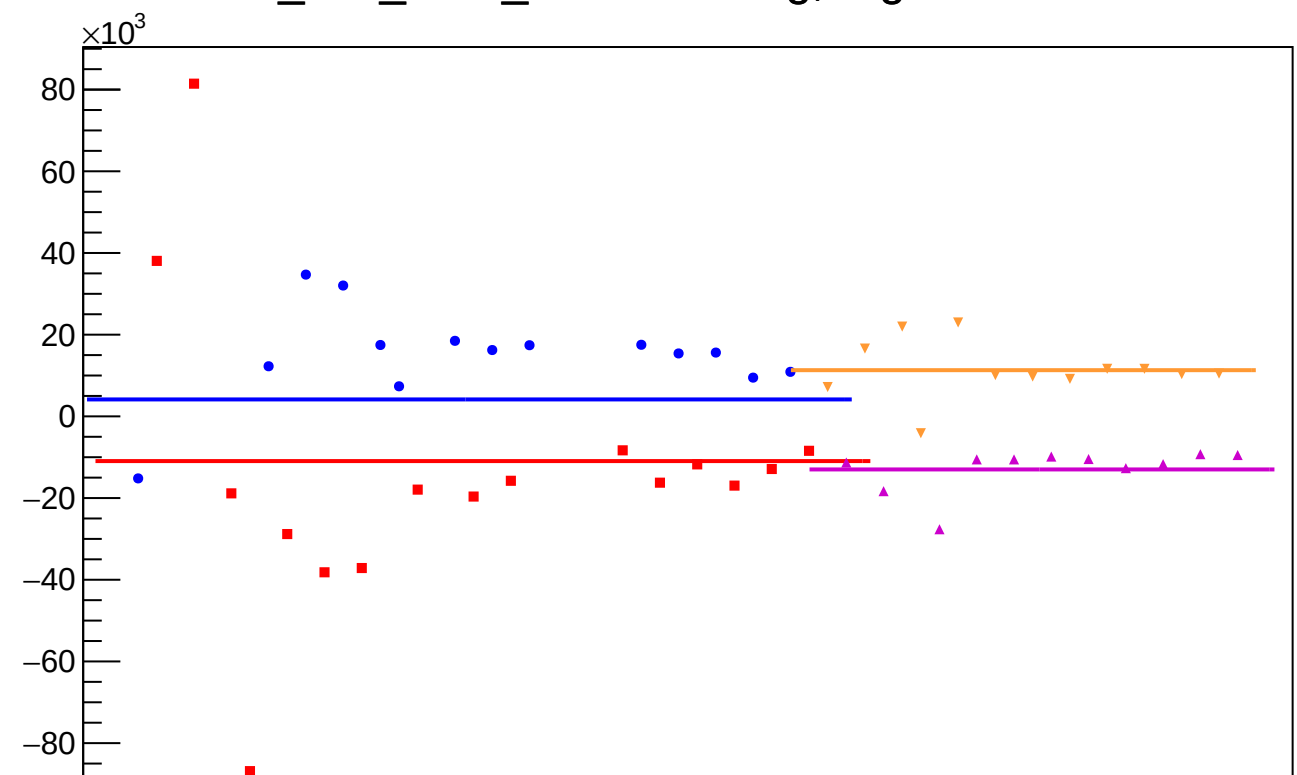
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_atl1_coil7_mean vs Slug, Sign Corrected




Left: -909.343+/-0.000 $\chi^2$/NDF: 334047502497759

Right In: 4145.268+/-0.000 $\chi^2$/NDF: 7636939983950646896379723819335076481597 44.0/14

Right: -3504.625+/-0.000 $\chi^2$/NDF: 1712578788282

Left Out: 11307.773+/-0.000 $\chi^2$/NDF:3628106586224425978730098238817854868684 8.0/11

In: -5922.694+/-0.000 $\chi^2$/NDF:902084767732052

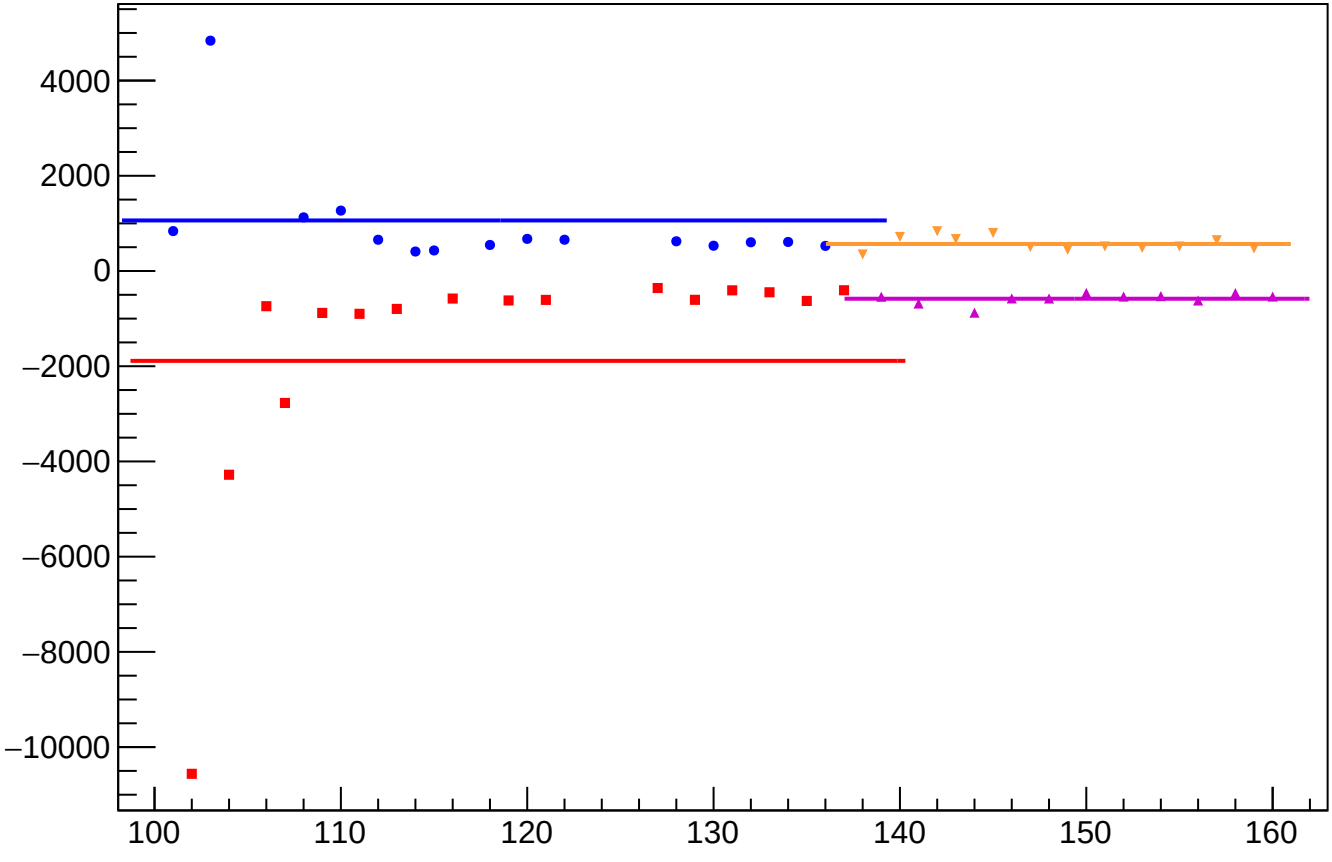
Right Out: -10948.073+/-0.000 $\chi^2$/NDF: 8739496685103272015146014631153961910927 36.0/15

Out: 1918.368+/-0.000 $\chi^2$/NDF:110122853896245

Left In: -12994.239+/-0.000 $\chi^2$/NDF:2639939747320906331564871104022427625062 4.0/10

All: -1992.219+/-0.000 $\chi^2$/NDF: 2051791747

# dit_atl1_coil7_err_mean vs Slug, Sign Corrected




Left: -10.469+/-0.000 $\chi^2$/NDF: 6372083040457971

Right In: 1062.141+/-0.000 $\chi^2$/NDF: 952806231926530012715872184655778152448.0/14

Right: -432.638+/-0.000 $\chi^2$/NDF: 93397475225812

Left Out: 567.733+/-0.000 $\chi^2$/NDF:175228847476874951680101921792553123 84.0/11

In: 96.109+/-0.000 $\chi^2$/NDF:199572640986063157

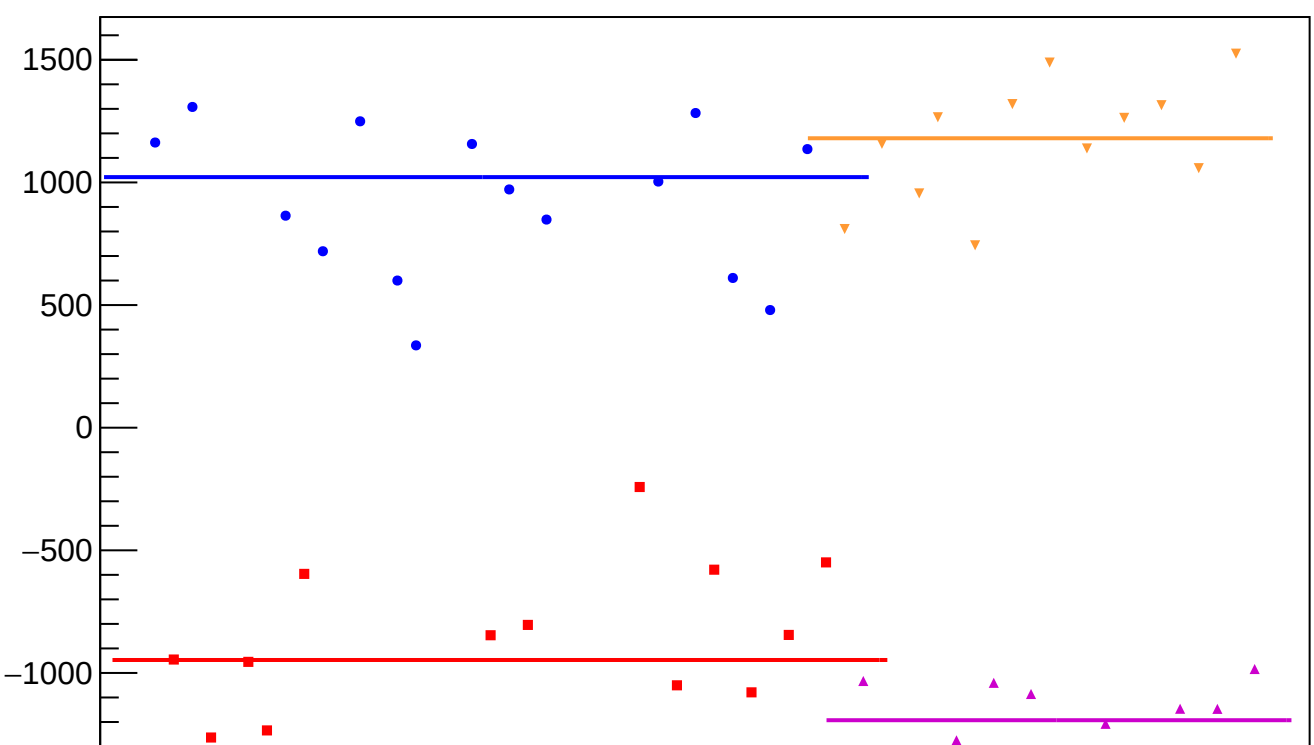
Right Out: -1887.077+/-0.000 $\chi^2$/NDF: 552587271836384562036602938756905828 3520.0/15

Out: -467.914+/-0.000 $\chi^2$/NDF:786707402720723

Left In: -582.413+/-0.000 $\chi^2$/NDF:1186014446253818181381467896572962 4064.0/10

All: -186.618+/-0.000 $\chi^2$/NDF: 1011363817 1

# dit_atl1_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

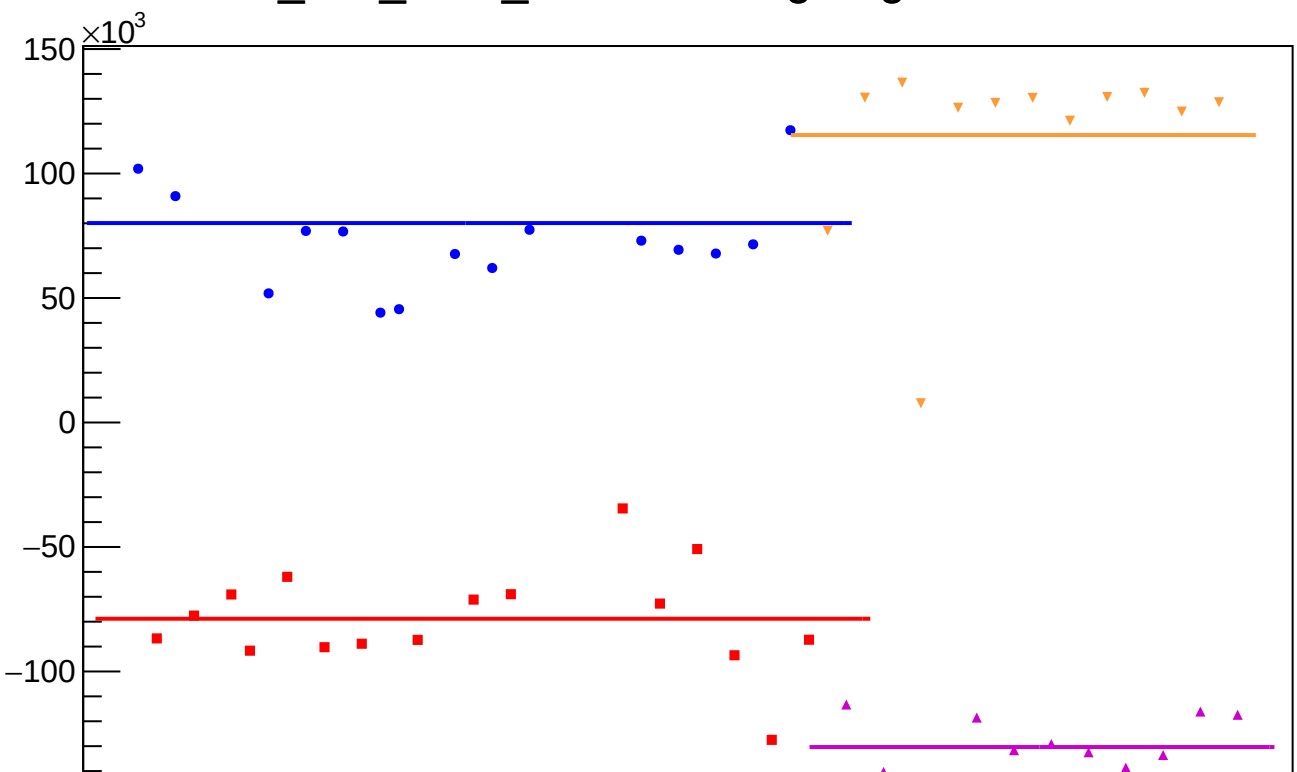
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_atl2_coil7_mean vs Slug, Sign Corrected




Left: -8117.324+/-0.000 $\chi^2$/NDF: 28946961702695

Right In: 80102.504+/-0.000 $\chi^2$/NDF: 2545217840972586547236075226317424657694 72.0/14

Right: -443.492+/-0.000 $\chi^2$/NDF: 88479516524724

Left Out: 115448.893+/-0.000 $\chi^2$/NDF:1038801657464811255416211206986838896017408.0/11

In: -43517.739+/-0.000 $\chi^2$/NDF:17286902459469

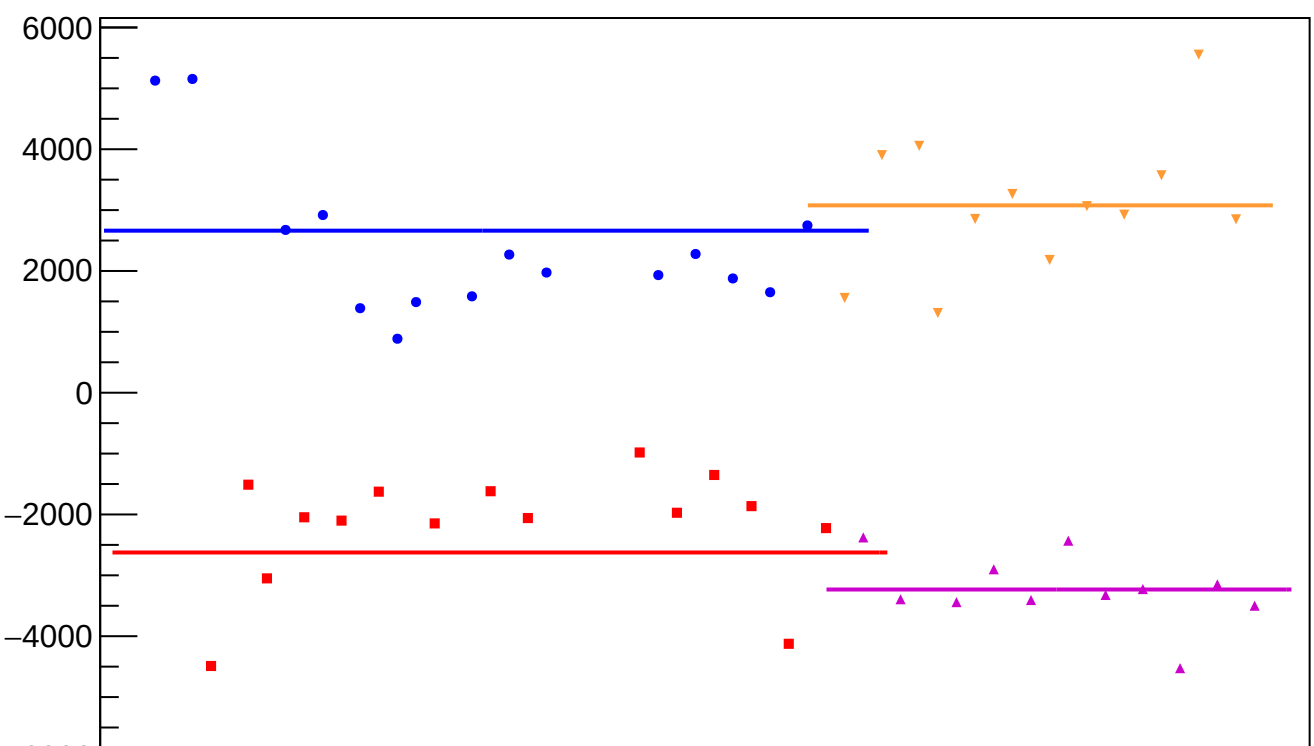
Right Out: -78815.832+/-0.000 $\chi^2$/NDF: 2860769192178110994344704422319981854720 00.0/15

Out: 33491.542+/-0.000 $\chi^2$/NDF:15877058488272

Left In: -130346.244+/-0.000 $\chi^2$/NDF:1481748710154398198201004592799992785141 76.0/10

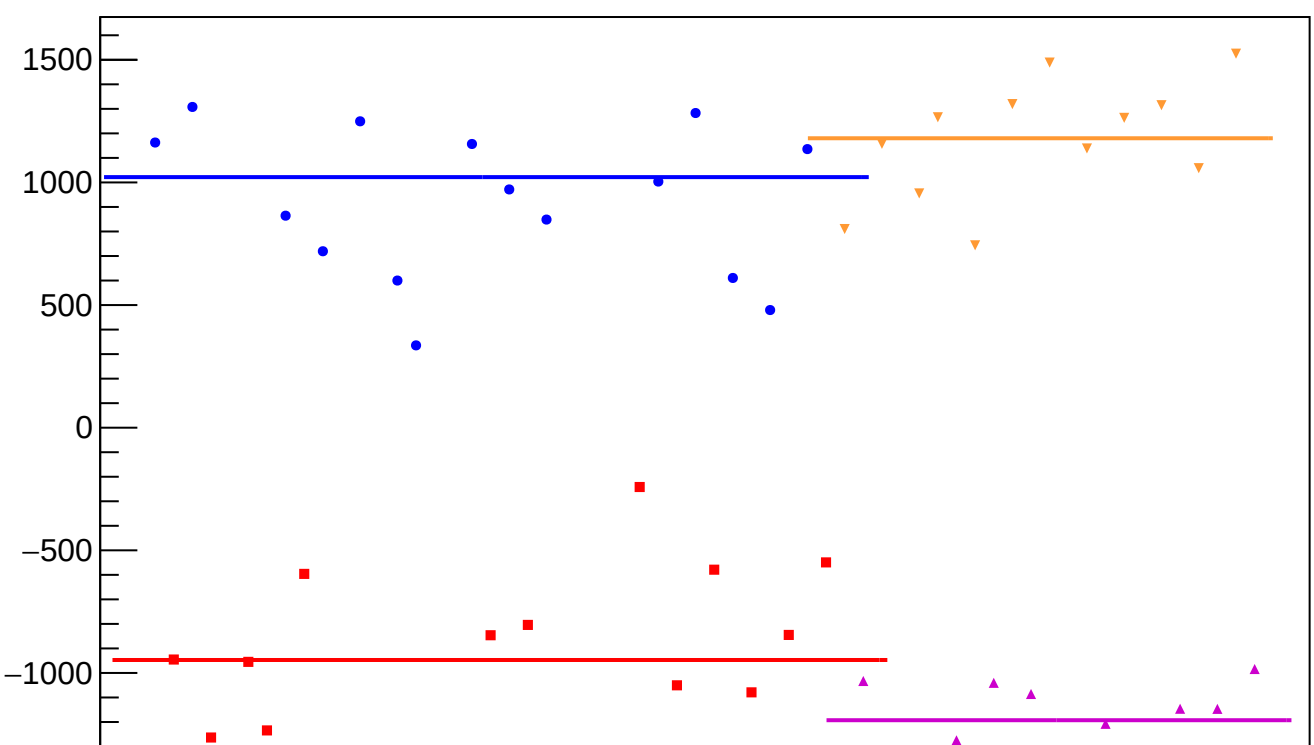
All: -4915.433+/-0.000 $\chi^2$/NDF: 3784007443

# dit_atl2_coil7_err_mean vs Slug, Sign Corrected




Left: -94.635+/-0.000 $\chi^2$/NDF: 1964916620255589
Right In: 2662.183+/-0.000 $\chi^2$/NDF: 10313892301656401578644397055833674874 88.0/14
Right: -17.413+/-0.000 $\chi^2$/NDF: 117922842657675
Left Out: 3077.945+/-0.000 $\chi^2$/NDF:1073709891492389198093936322660595138560.0/11
In: -800.651+/-0.000 $\chi^2$/NDF:1455555206694384
Right Out: -2624.696+/-0.000 $\chi^2$/NDF: 1566705216866534713590934835660406652928.0/15
Out: 672.087+/-0.000 $\chi^2$/NDF:1518026118358382
Left In: -3232.879+/-0.000 $\chi^2$/NDF:2757210076138912767410072402833314938 88.0/10
All: -62.414+/-0.000 $\chi^2$/NDF: 314460236947

# dit_atl2_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

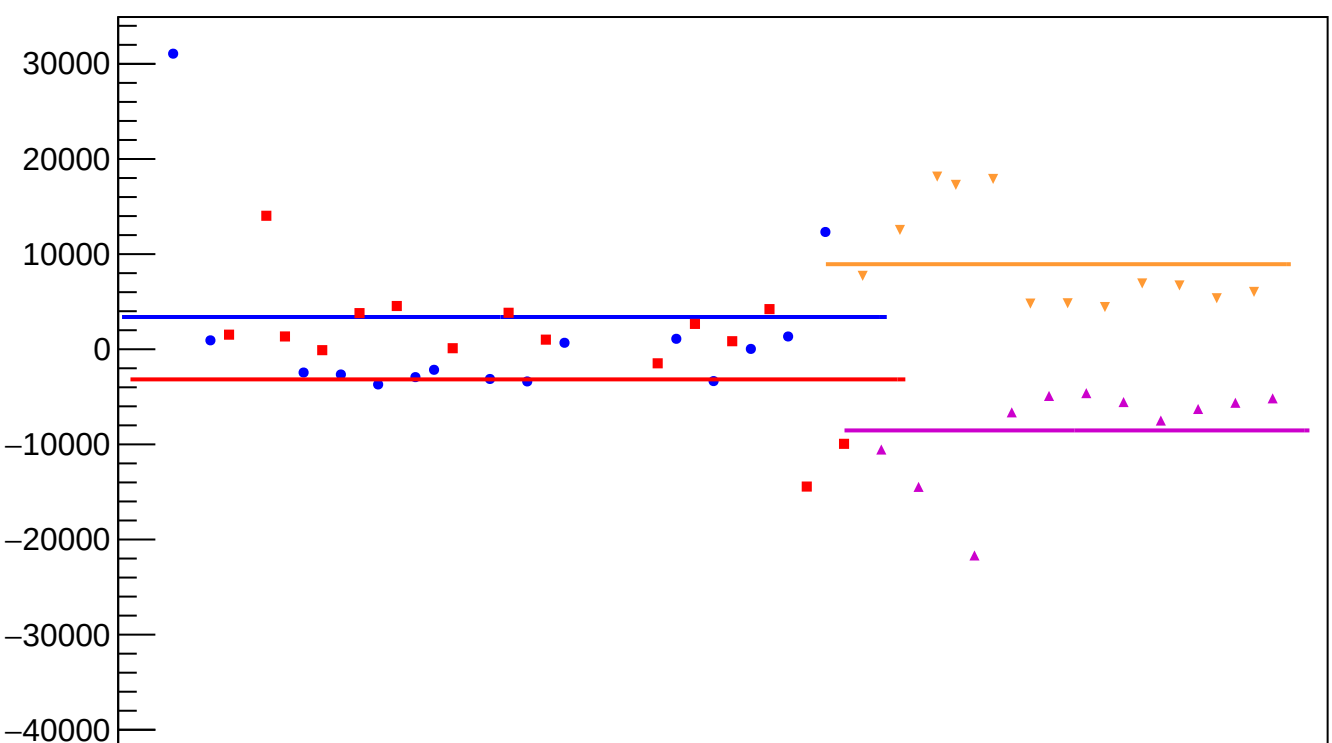
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_atr1_coil7_mean vs Slug, Sign Corrected




Left: 156.909+/-0.000 $\chi^2$/NDF: 1873655199537507

Right In: 3390.550+/-0.000 $\chi^2$/NDF: 6587192744155325672417919455628017375641 6.0/14

Right: 66.728+/-0.000 $\chi^2$/NDF: 2177723560844725

Left Out: 8941.712+/-0.000 $\chi^2$/NDF:2275754272352997686292418962883726435942 4.0/11

In: -3613.388+/-0.000 $\chi^2$/NDF:144369798447171

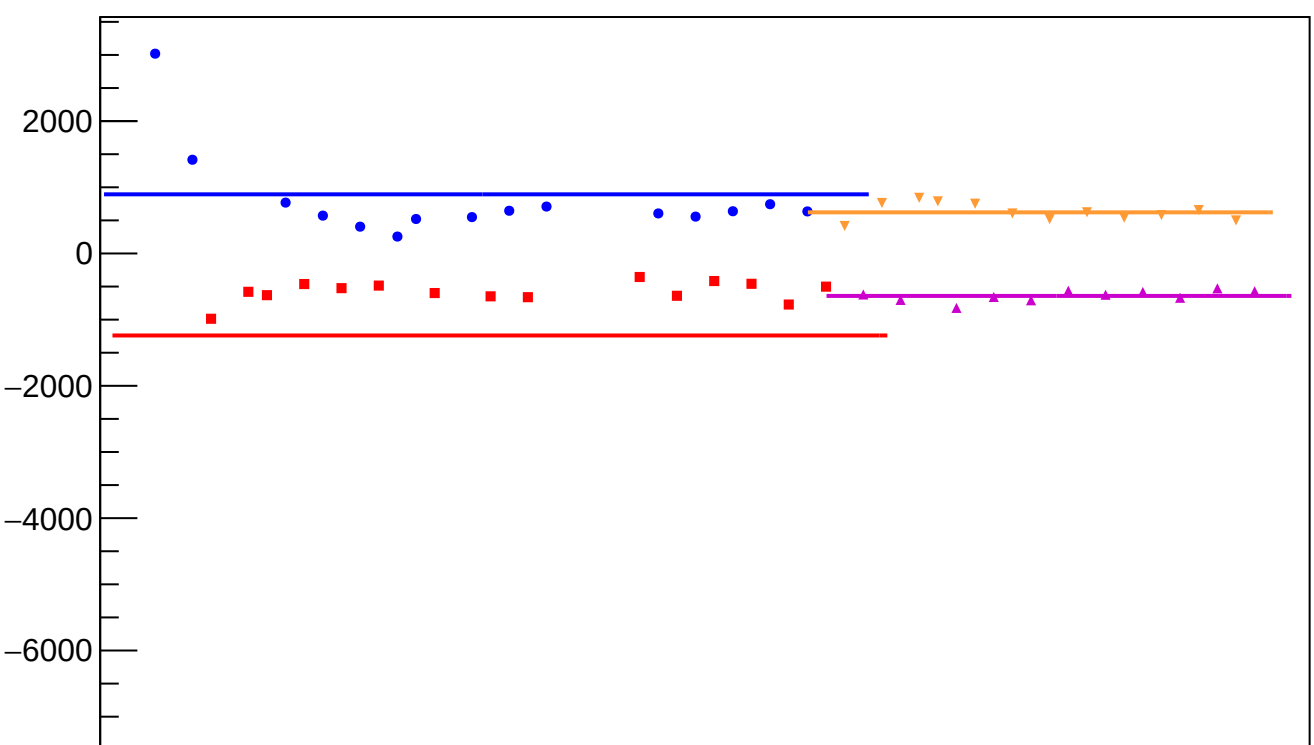
Right Out: -3167.396+/-0.000 $\chi^2$/NDF: 1377538866772411444604625318816875680890 88.0/15

Out: 3833.063+/-0.000 $\chi^2$/NDF:217052558141828

Left In: -8532.821+/-0.000 $\chi^2$/NDF:2429951594938022458632473755809522647040 0.0/10

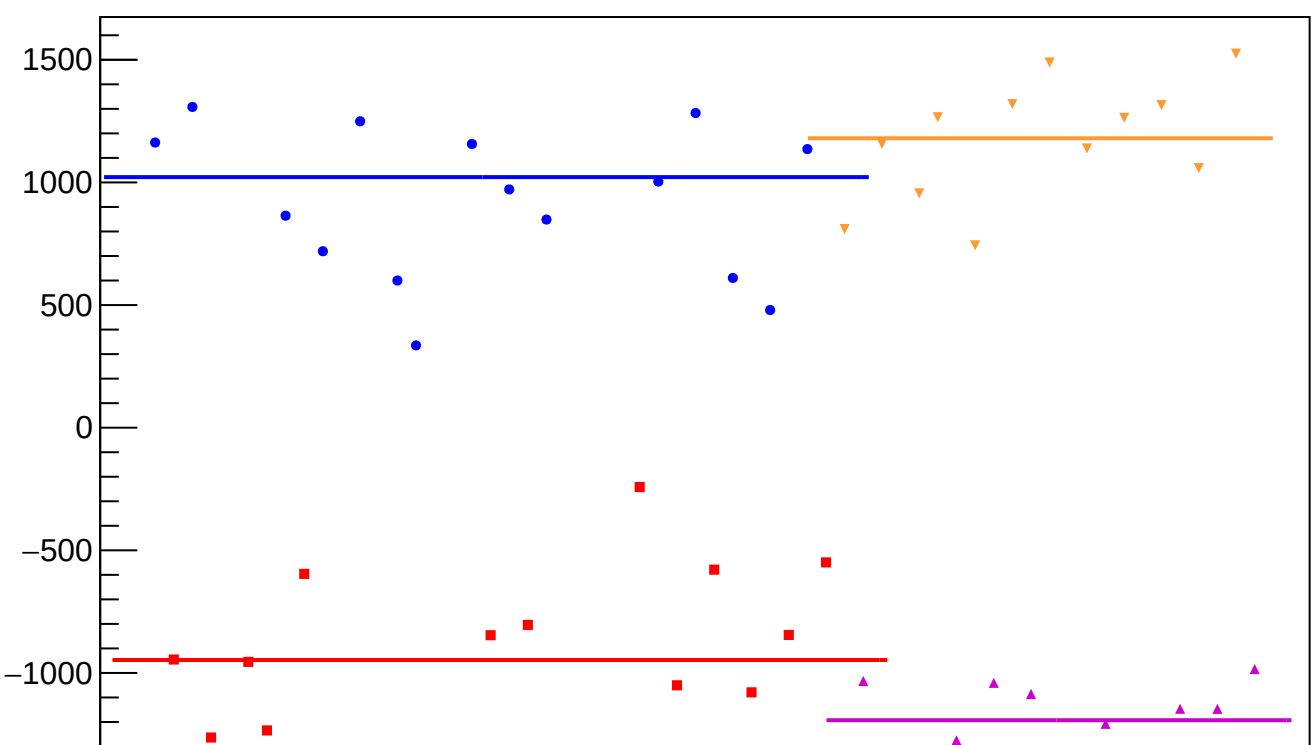
All: 119.281+/-0.000 $\chi^2$/NDF: 40514411289 8

# dit_atr1_coil7_err_mean vs Slug, Sign Corrected




Left: -13.483+/-0.000 $\chi^2$/NDF: 7520936396903635
Right In: 893.683+/-0.000 $\chi^2$/NDF: 334583619078631008932404228227359309824.0/14
Right: -187.395+/-0.000 $\chi^2$/NDF: 48021156818850
Left Out: 621.395+/-0.000 $\chi^2$/NDF:132207613490335953911830349302558883 84.0/11
In: -8.097+/-0.000 $\chi^2$/NDF:123909874324086760
Right Out: -1239.298+/-0.000 $\chi^2$/NDF: 297099085948648399040810891893756500 3776.0/15
Out: -163.603+/-0.000 $\chi^2$/NDF:431923837770575
Left In: -641.490+/-0.000 $\chi^2$/NDF:604724187104646632094315292671554 3552.0/10
All: -86.047+/-0.000 $\chi^2$/NDF: 557740460848

# dit_atr1_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

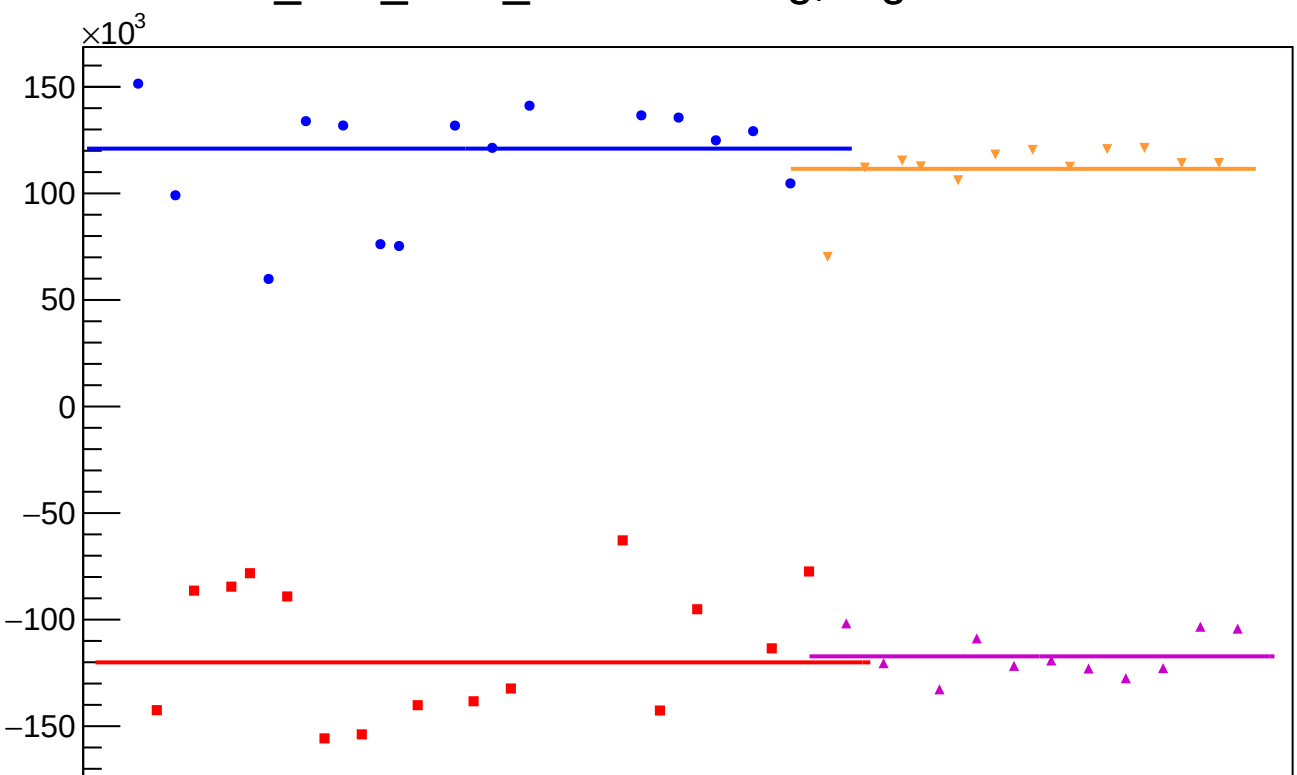
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

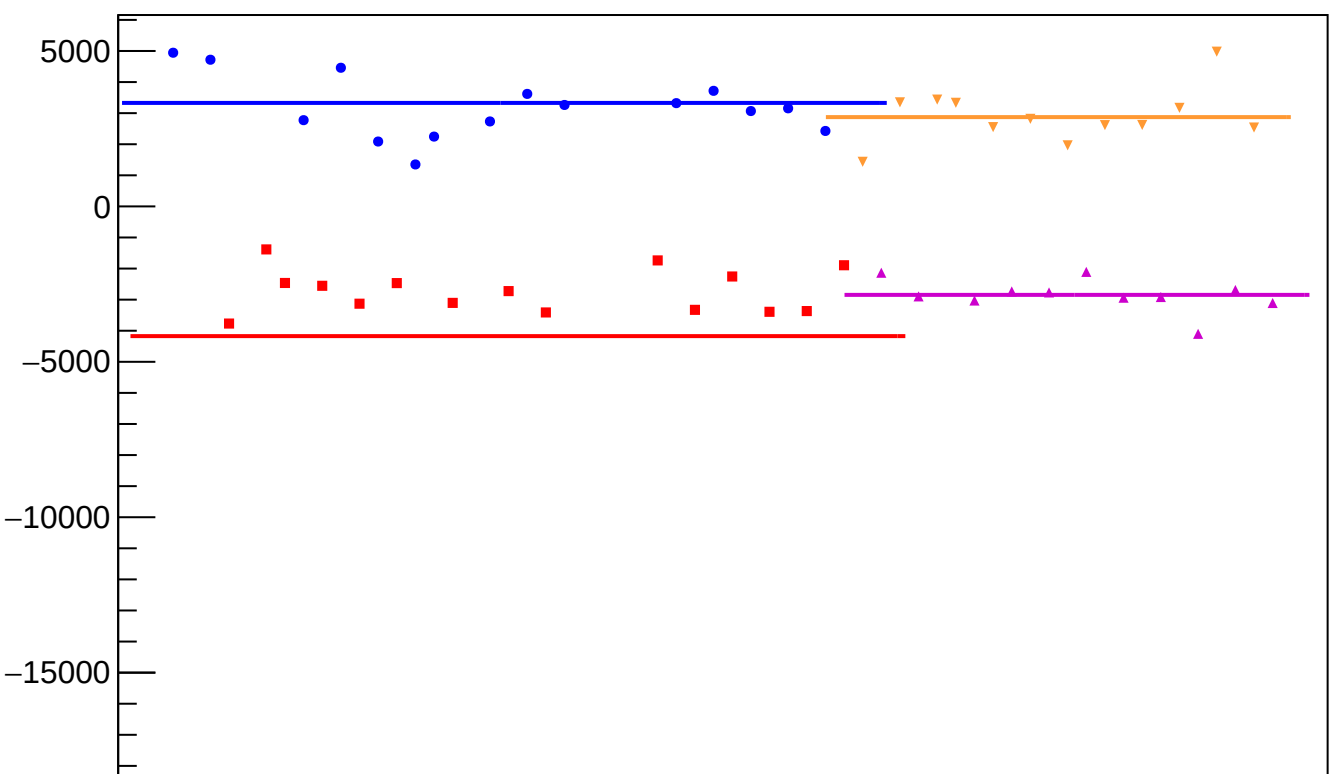
All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_atr2_coil7_mean vs Slug, Sign Corrected




Left: -3475.224+/-0.000 $\chi^2$/NDF: 24302392391152
Right In: 121016.482+/-0.000 $\chi^2$/NDF: 3587138564043035549877849759836096681738 24.0/14
Right: -1170.810+/-0.000 $\chi^2$/NDF: 2030444568824
Left Out: 111531.681+/-0.000 $\chi^2$/NDF:162724299829921950370834246417372913074176.0/11
In: -18936.885+/-0.000 $\chi^2$/NDF:22091556289906
Right Out: -120060.693+/-0.000 $\chi^2$/NDF: 828419782346707601448620310014135952736256.0/15
Out: 13826.359+/-0.000 $\chi^2$/NDF:21672960026826
Left In: -117237.465+/-0.000 $\chi^2$/NDF:922995277061580630965444342066787920117 76.0/10
All: -2513.712+/-0.000 $\chi^2$/NDF: 4461091057

# dit_atr2_coil7_err_mean vs Slug, Sign Corrected




Left: -2.554+/-0.000 $\chi^2$/NDF: 15921502408931202

Right In: 3329.488+/-0.000 $\chi^2$/NDF: 567034774398456376227526824513721335808.0/14

Right: -473.285+/-0.000 $\chi^2$/NDF: 32582486462967

Left Out: 2872.567+/-0.000 $\chi^2$/NDF:662883582778902790585902196636778496000.0/11

In: -298.400+/-0.000 $\chi^2$/NDF:1533808541348253

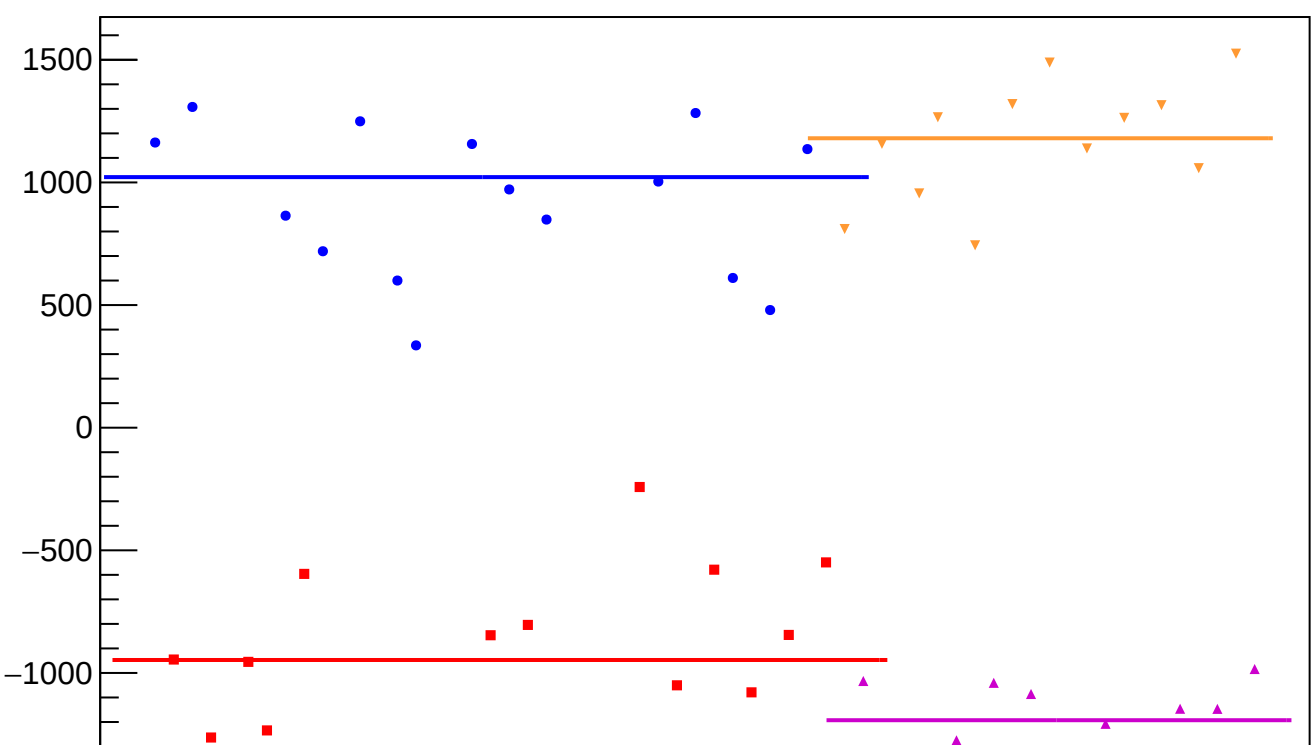
Right Out: -4173.434+/-0.000 $\chi^2$/NDF: 1349824655153799240009500315468246810624 0.0/15

Out: -100.034+/-0.000 $\chi^2$/NDF:333048130531602

Left In: -2846.559+/-0.000 $\chi^2$/NDF:2295571097366821236038857641346161704 96.0/10

All: -198.965+/-0.000 $\chi^2$/NDF: 48673924762

# dit_atr2_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

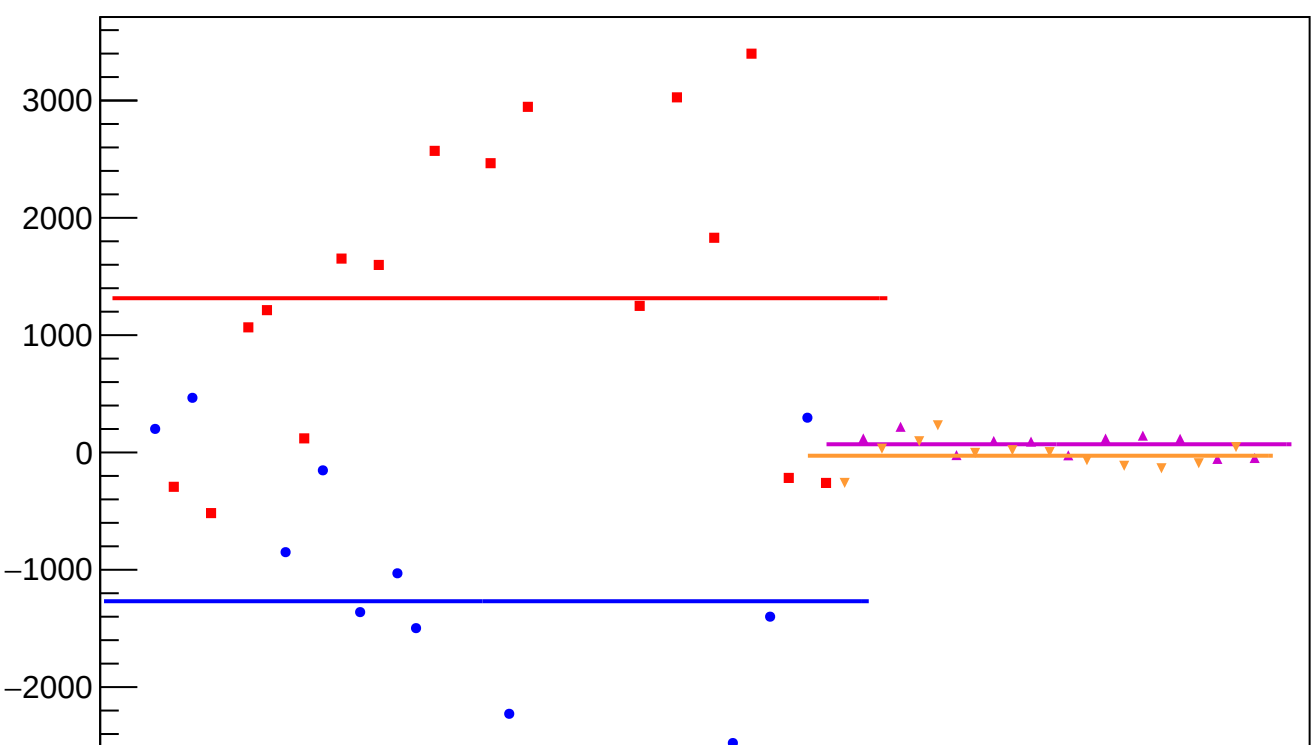
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

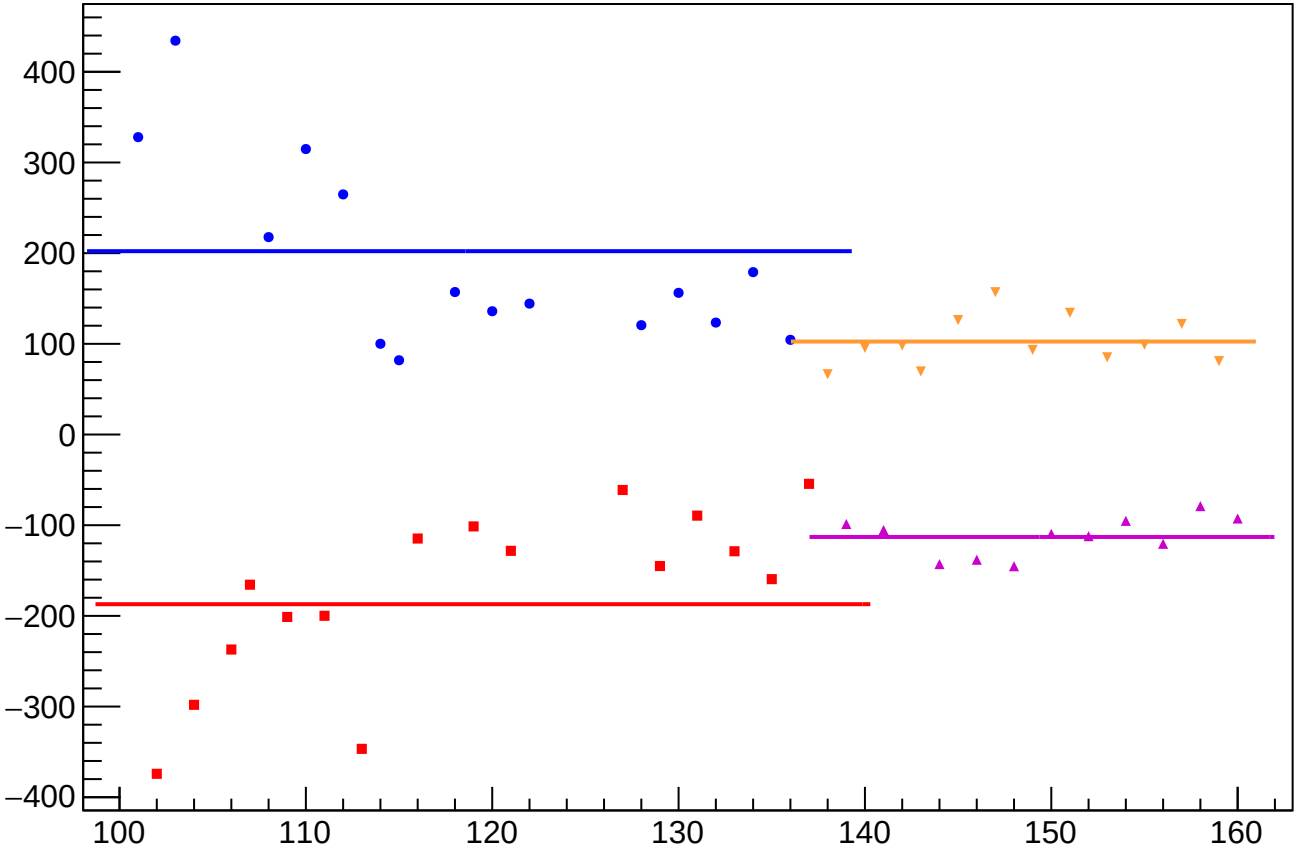
All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_sam1_coil7_mean vs Slug, Sign Corrected




Left: 21.337+/-0.000 $\chi^2$/NDF: 2367845786701889
Right In: -1268.061+/-0.000 $\chi^2$/NDF: 109228076028883385607047049080064704512 0/14
Right: 41.017+/-0.000 $\chi^2$/NDF: 4385100658196815
Left Out: -27.745+/-0.000 $\chi^2$/NDF:1240186629377638978240673319387127168.0/11
In: -482.133+/-0.000 $\chi^2$/NDF:1781620225198016
Right Out: 1314.767+/-0.000 $\chi^2$/NDF: 1098471313864079013714609379653260935168.0/15
Out: 538.641+/-0.000 $\chi^2$/NDF:1805860646471756
Left In: 69.887+/-0.000 $\chi^2$/NDF:6896729055106095492675290775544659968.0/10
All: 29.548+/-0.000 $\chi^2$/NDF: 4409076158029

# dit_sam1_coil7_err_mean vs Slug, Sign Corrected




Left: -5.804+/-0.000 $\chi^2$/NDF: 22375229610691858

Right In: 202.191+/-0.000 $\chi^2$/NDF: 702794105275284906636904065061512806 4.0/14

Right: 4.870+/-0.000 $\chi^2$/NDF: 6311431633575950 6

Left Out: 102.547+/-0.000 $\chi^2$/NDF:631914374783938330949359707000668160.0/11

In: 17.055+/-0.000 $\chi^2$/NDF:4529601533384929 0

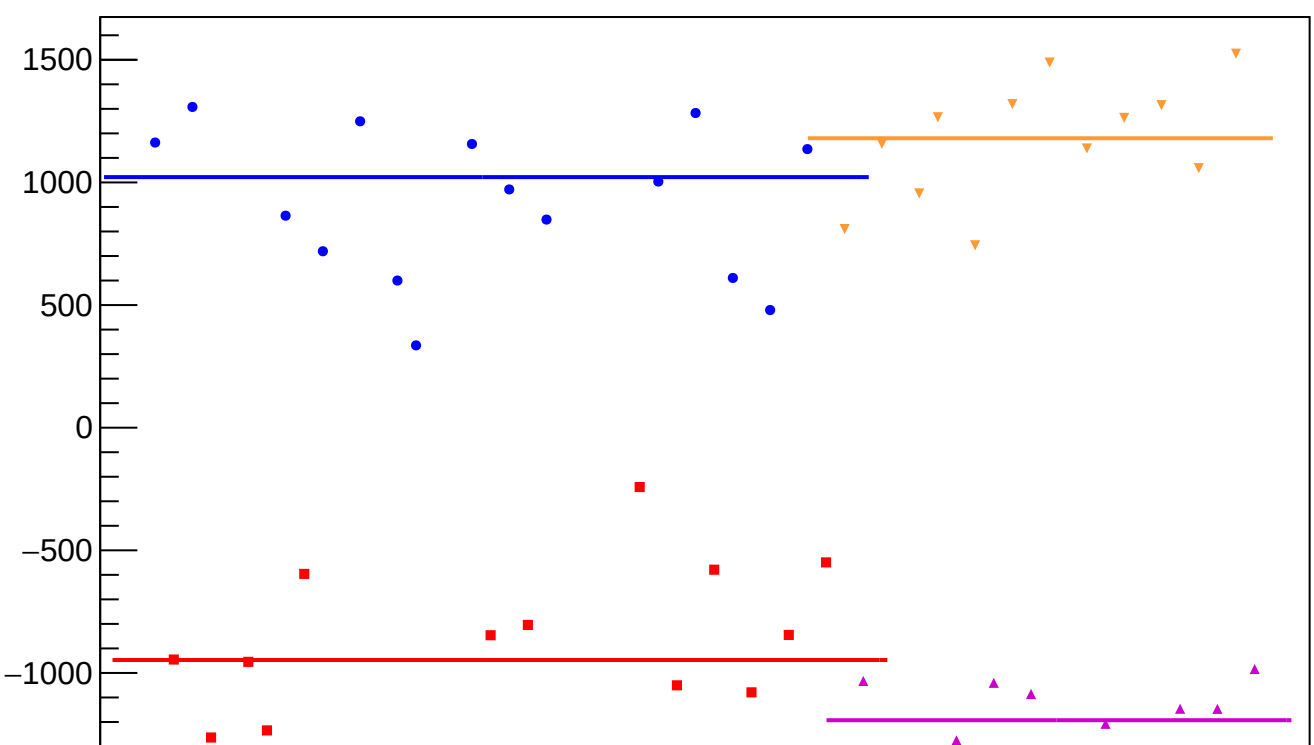
Right Out: -187.126+/-0.000 $\chi^2$/NDF: 623002949160552474693651580994138931 2.0/15

Out: -19.662+/-0.000 $\chi^2$/NDF:3921793544057525

Left In: -112.981+/-0.000 $\chi^2$/NDF:399082569166702797505998561799569408.0/10

All: -1.350+/-0.000 $\chi^2$/NDF: 8557691672482

# dit_sam1_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

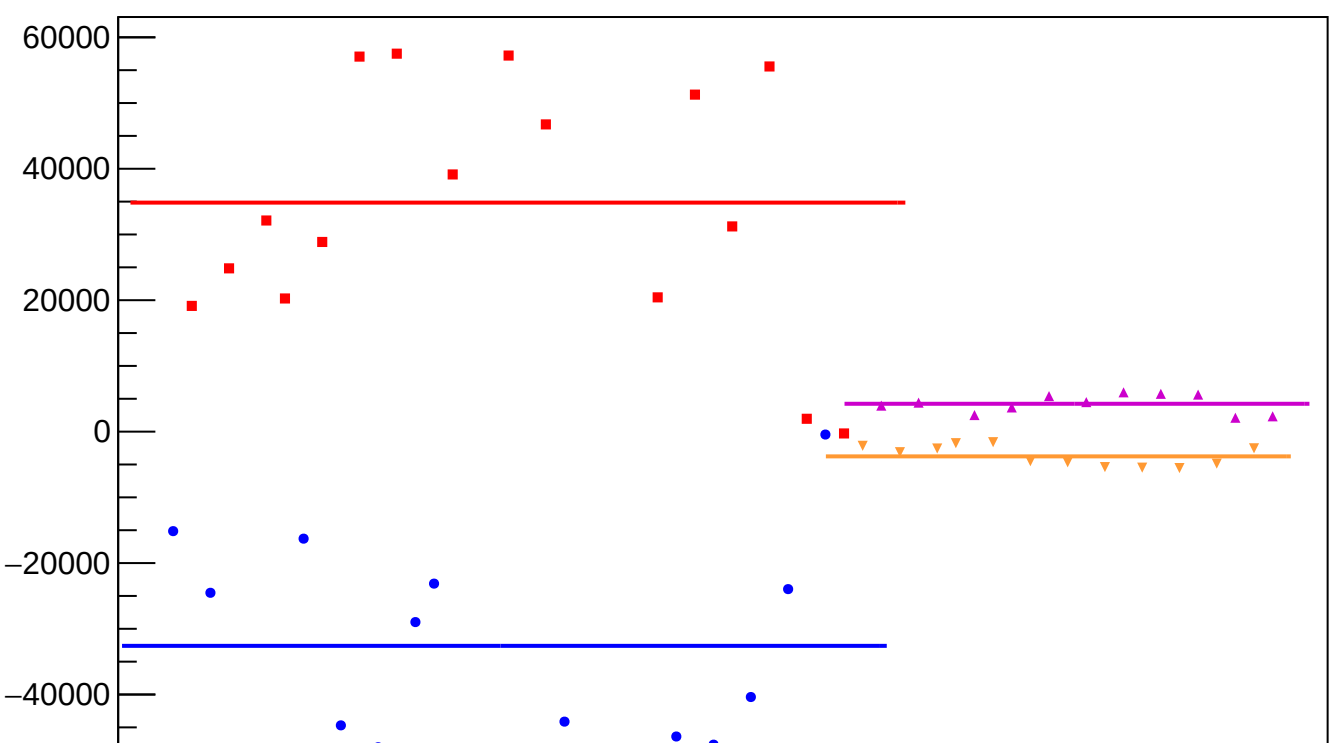
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

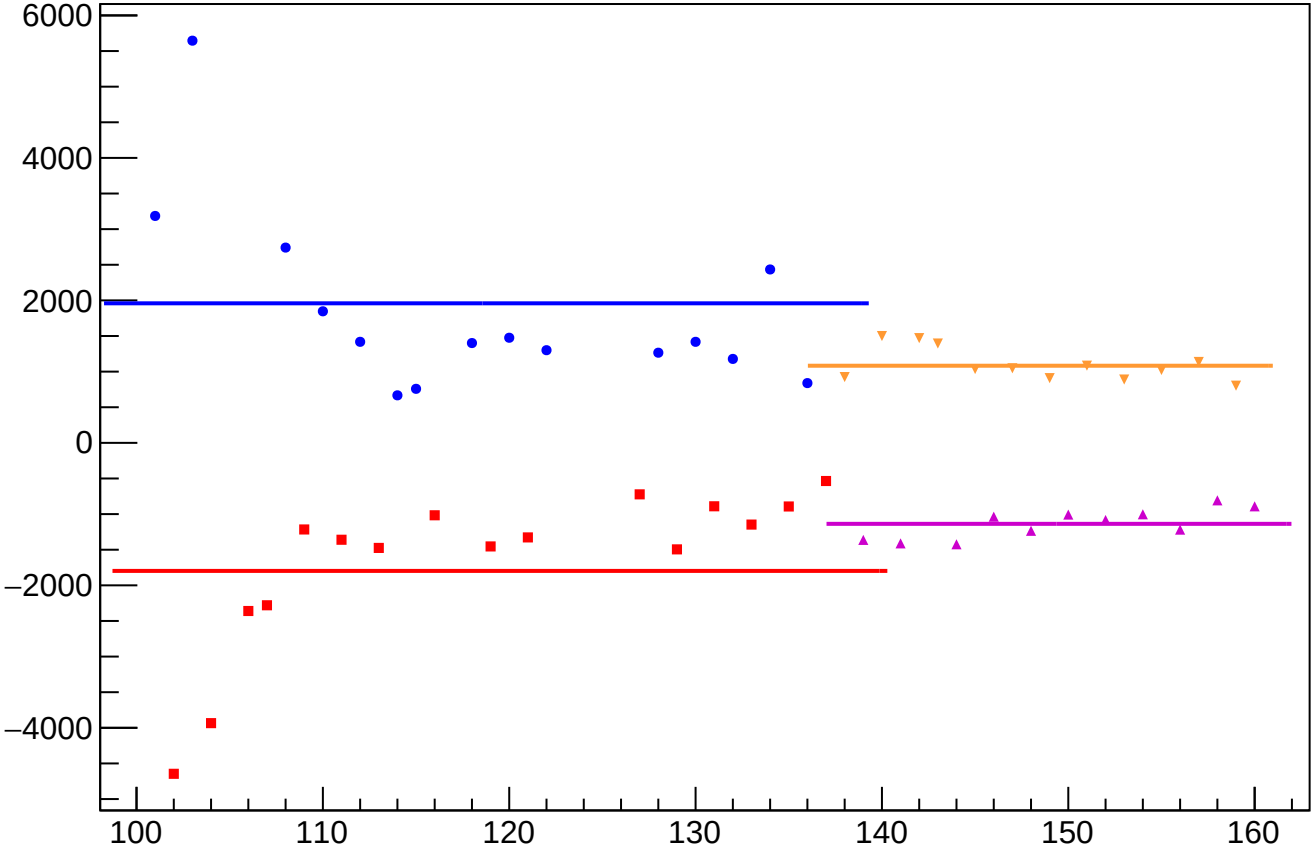
All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_sam2_coil7_mean vs Slug, Sign Corrected




Left: 258.769+/-0.000 $\chi^2$/NDF: 3307838906782510
Right In: -32594.962+/-0.000 $\chi^2$/NDF: 2091503692070005644897245290209225201418 24.0/14
Right: 1587.778+/-0.000 $\chi^2$/NDF: 19264741132603
Left Out: -3764.764+/-0.000 $\chi^2$/NDF:1969097651481267133720686593450373545984.0/11
In: -10958.371+/-0.000 $\chi^2$/NDF:7280511555908 7
Right Out: 34848.046+/-0.000 $\chi^2$/NDF: 2211277020248117192325594340973249675919 36.0/15
Out: 12525.397+/-0.000 $\chi^2$/NDF:7980109281669 6
Left In: 4238.758+/-0.000 $\chi^2$/NDF:1676258877466067471746283067125033598976.0/10
All: 813.296+/-0.000 $\chi^2$/NDF: 19609070541 3

# dit_sam2_coil7_err_mean vs Slug, Sign Corrected




Left: -33.022+/-0.000 $\chi^2$/NDF: 2342623451337331

Right In: 1958.835+/-0.000 $\chi^2$/NDF: 1189322999631358431600643692981190131712.0/14

Right: 55.033+/-0.000 $\chi^2$/NDF: 6785490652460108

Left Out: 1082.769+/-0.000 $\chi^2$/NDF:4243546759293801850495557007505883136 0.0/11

In: 140.456+/-0.000 $\chi^2$/NDF:4879154621180332

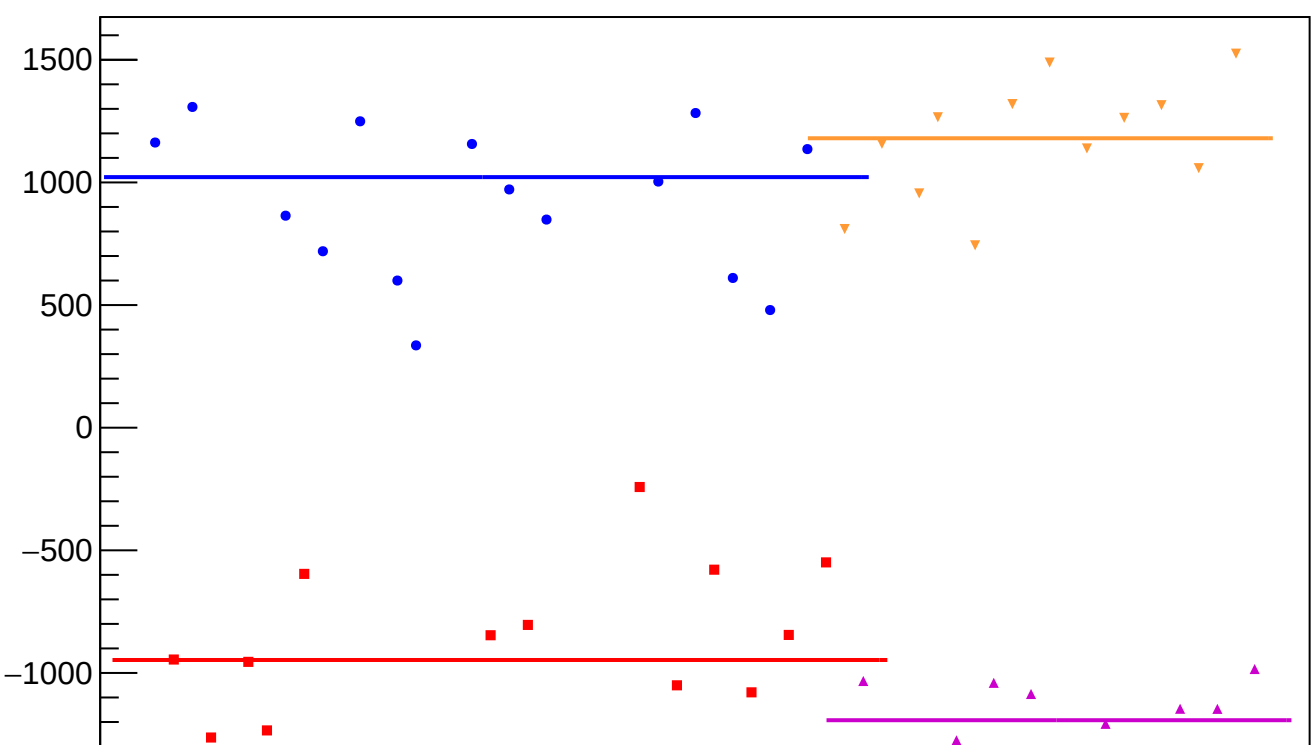
Right Out: -1797.392+/-0.000 $\chi^2$/NDF: 9550966238799581956571950746142402150 40.0/15

Out: -132.327+/-0.000 $\chi^2$/NDF:419623322015972

Left In: -1136.738+/-0.000 $\chi^2$/NDF:3666064038816023377049229979717468160 0.0/10

All: 3.718+/-0.000 $\chi^2$/NDF: 9134060459030

# dit_sam2_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

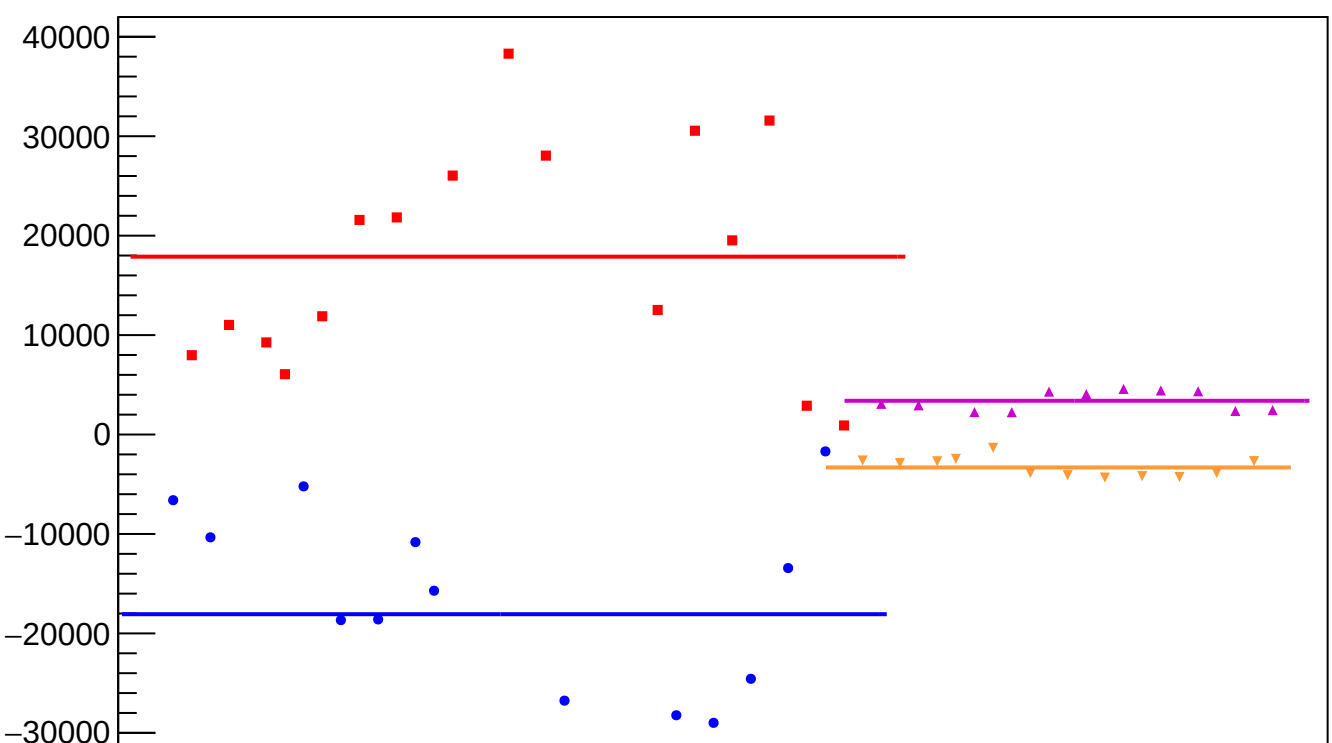
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

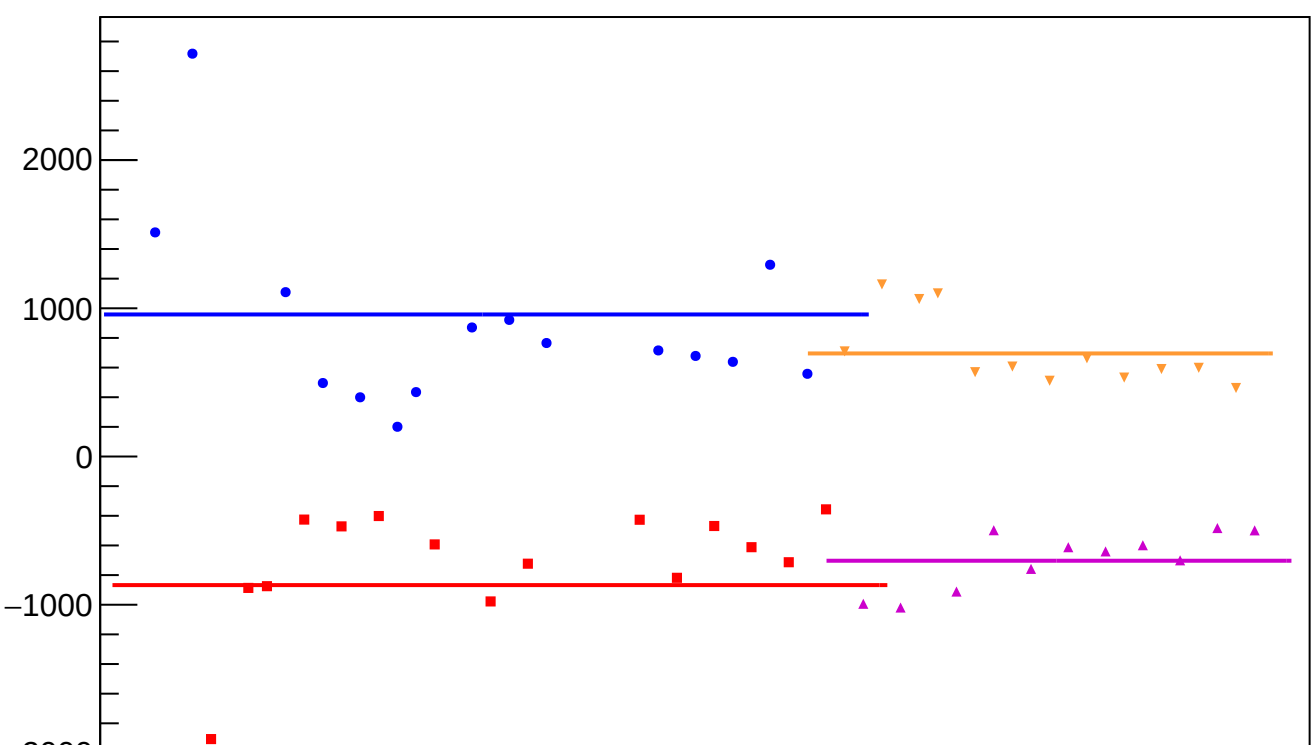
All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_sam3_coil7_mean vs Slug, Sign Corrected




Left: 59.413+/-0.000 $\chi^2$/NDF: 2224729910575058
Right In: -18068.550+/-0.000 $\chi^2$/NDF: 8431215644353355341776093349775376016998 4.0/14
Right: 155.704+/-0.000 $\chi^2$/NDF: 587997392225656
Left Out: -3312.000+/-0.000 $\chi^2$/NDF:7769336751539700934144979327469863567 36.0/11
In: -5460.979+/-0.000 $\chi^2$/NDF:2607332174711 85
Right Out: 17888.149+/-0.000 $\chi^2$/NDF: 7840591561291425286987523106879539301 5808.0/15
Out: 5632.022+/-0.000 $\chi^2$/NDF:2524906041303 67
Left In: 3394.339+/-0.000 $\chi^2$/NDF:8049690958240573917042936693908937113 60.0/10
All: 99.590+/-0.000 $\chi^2$/NDF: 6102518020061

# dit_sam3_coil7_err_mean vs Slug, Sign Corrected




Left: -7.711+/-0.000 $\chi^2$/NDF: 97874173707649304

Right In: 958.411+/-0.000 $\chi^2$/NDF: 2647331050585228222781371970707395706 88.0/14

Right: 32.949+/-0.000 $\chi^2$/NDF: 1577572239072451

Left Out: 695.356+/-0.000 $\chi^2$/NDF:4800413975037954100361026980618331 7504.0/11

In: -17.622+/-0.000 $\chi^2$/NDF:13492933316249203

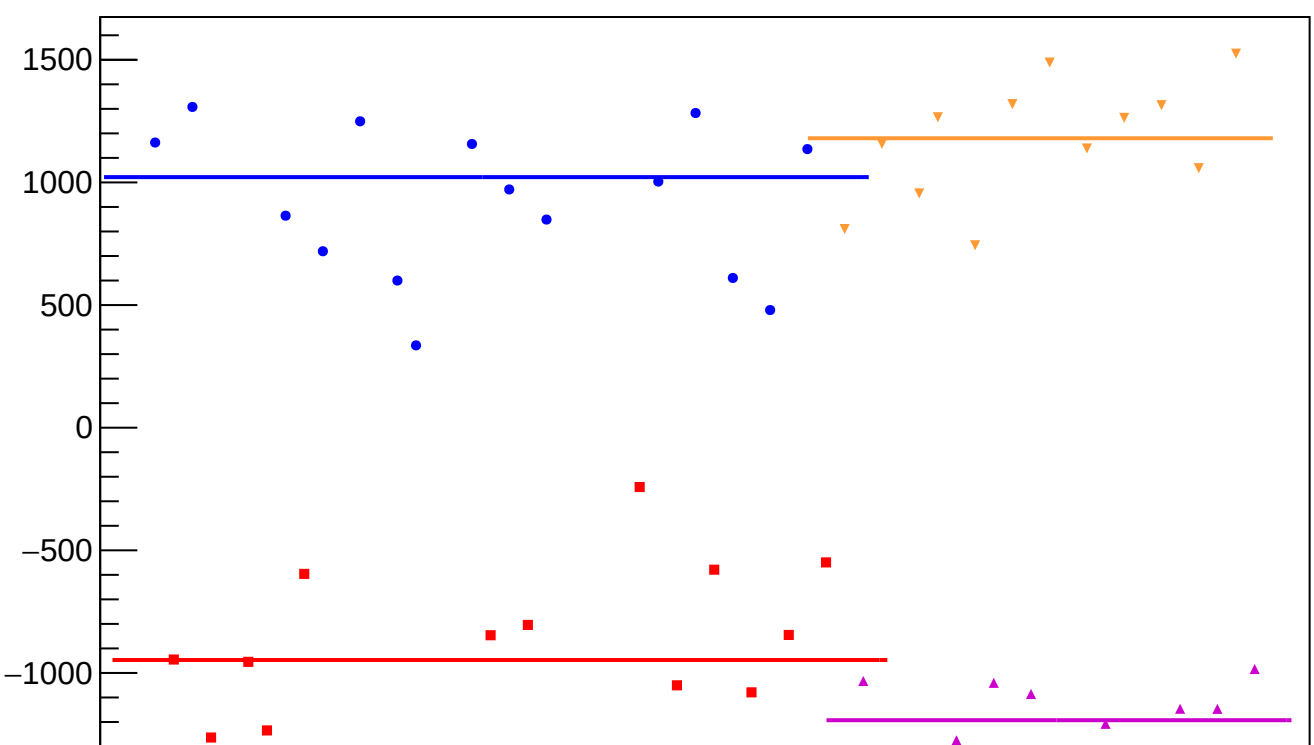
Right Out: -867.538+/-0.000 $\chi^2$/NDF: 2161298515451667141222523176044881 51040.0/15

Out: 35.995+/-0.000 $\chi^2$/NDF:1206021734950956 6

Left In: -703.169+/-0.000 $\chi^2$/NDF:3204053186145142696993994476773336 6784.0/10

All: 9.254+/-0.000 $\chi^2$/NDF: 2557581834609 8

# dit_sam3_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

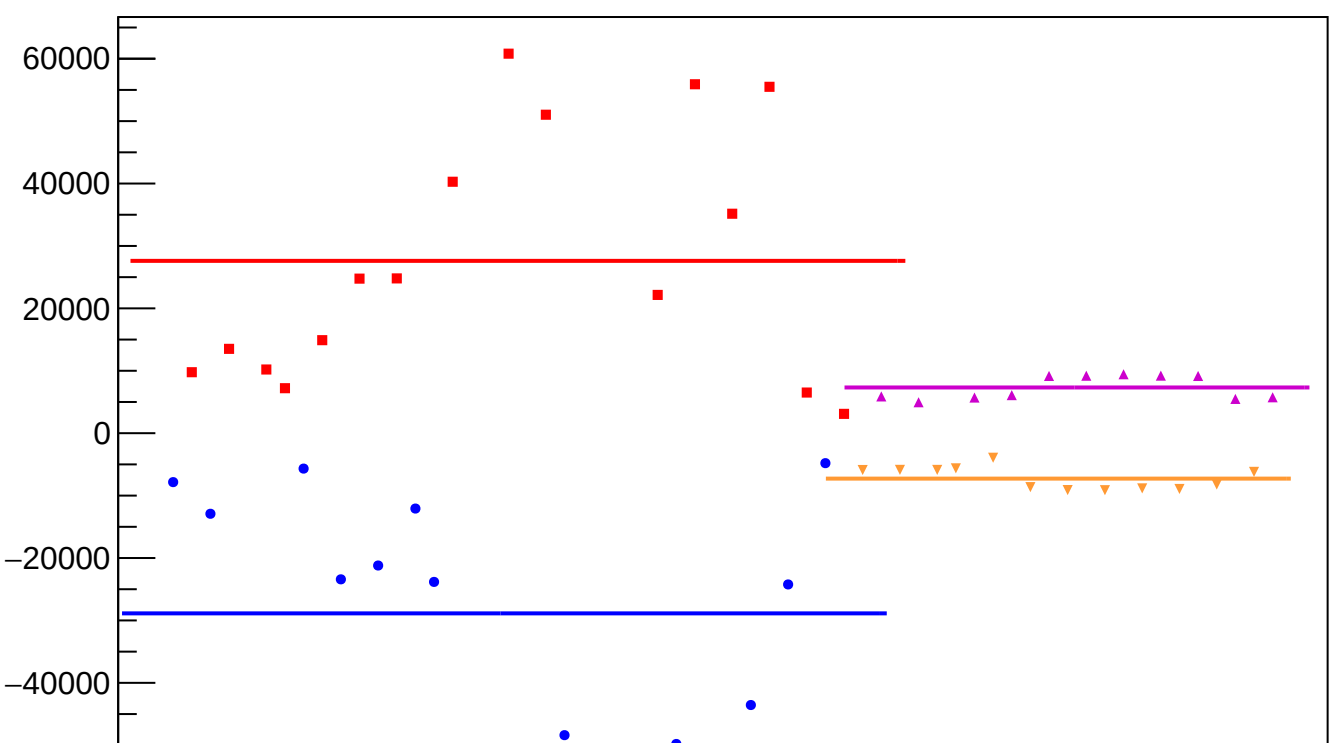
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

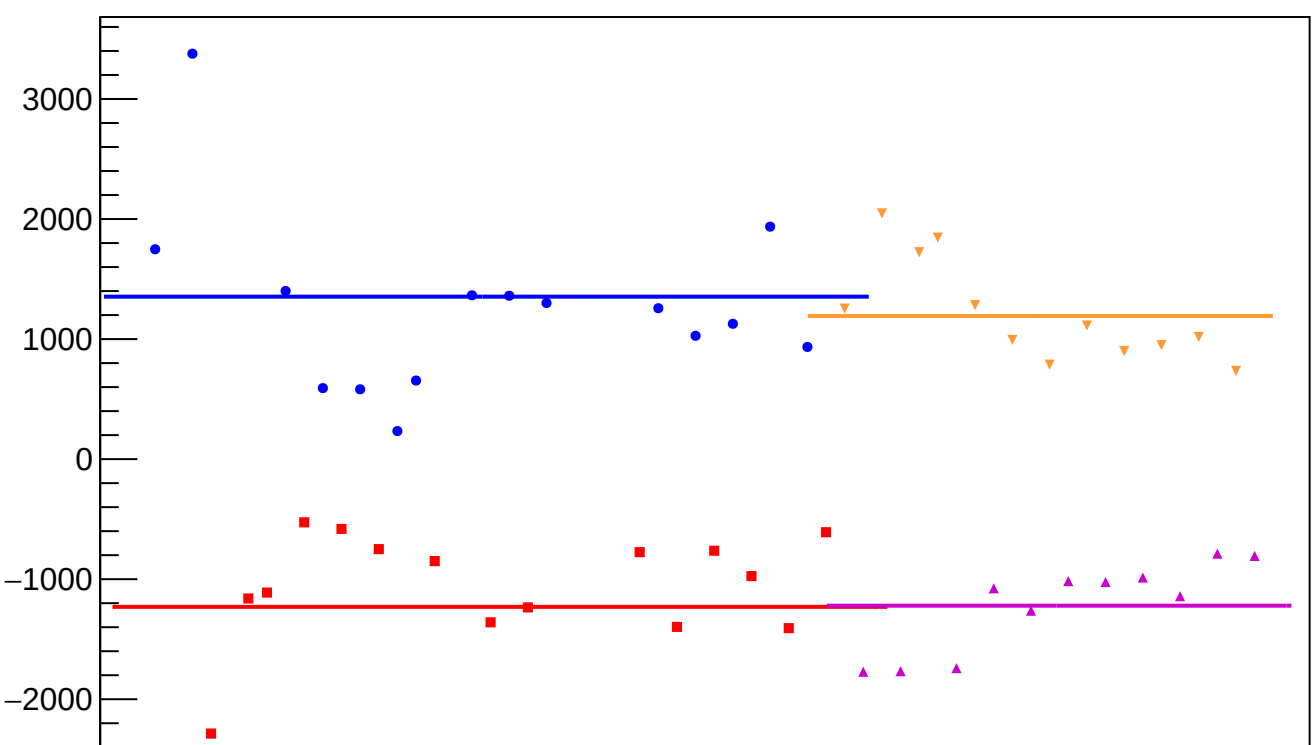
All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_sam4_coil7_mean vs Slug, Sign Corrected




Left: 63.330+/-0.000 $\chi^2$/NDF: 10376898900763943
Right In: -28868.624+/-0.000 $\chi^2$/NDF: 261450701095727362961367657926584124309504.0/14
Right: -242.630+/-0.000 $\chi^2$/NDF: 15588395560755
Left Out: -7277.886+/-0.000 $\chi^2$/NDF:273886730591809806831738823923410455756 8.0/11
In: -7607.978+/-0.000 $\chi^2$/NDF:763903396757370
Right Out: 27610.848+/-0.000 $\chi^2$/NDF: 248097983477523504935751571384400118546432.0/15
Out: 7441.143+/-0.000 $\chi^2$/NDF:720201732002610
Left In: 7325.095+/-0.000 $\chi^2$/NDF:304599116795237711242251693759971668 7872.0/10
All: -64.332+/-0.000 $\chi^2$/NDF: 166268033579

# dit_sam4_coil7_err_mean vs Slug, Sign Corrected




Left: -20.807+/-0.000 $\chi^2$/NDF: 2942660248465198

Right In: 1353.413+/-0.000 $\chi^2$/NDF: 3528879667027707133738618398805537587 20.0/14

Right: 43.718+/-0.000 $\chi^2$/NDF: 2826295721143961

Left Out: 1192.275+/-0.000 $\chi^2$/NDF:1508937428719364207026273994262393651 20.0/11

In: -158.689+/-0.000 $\chi^2$/NDF:2995360939272763

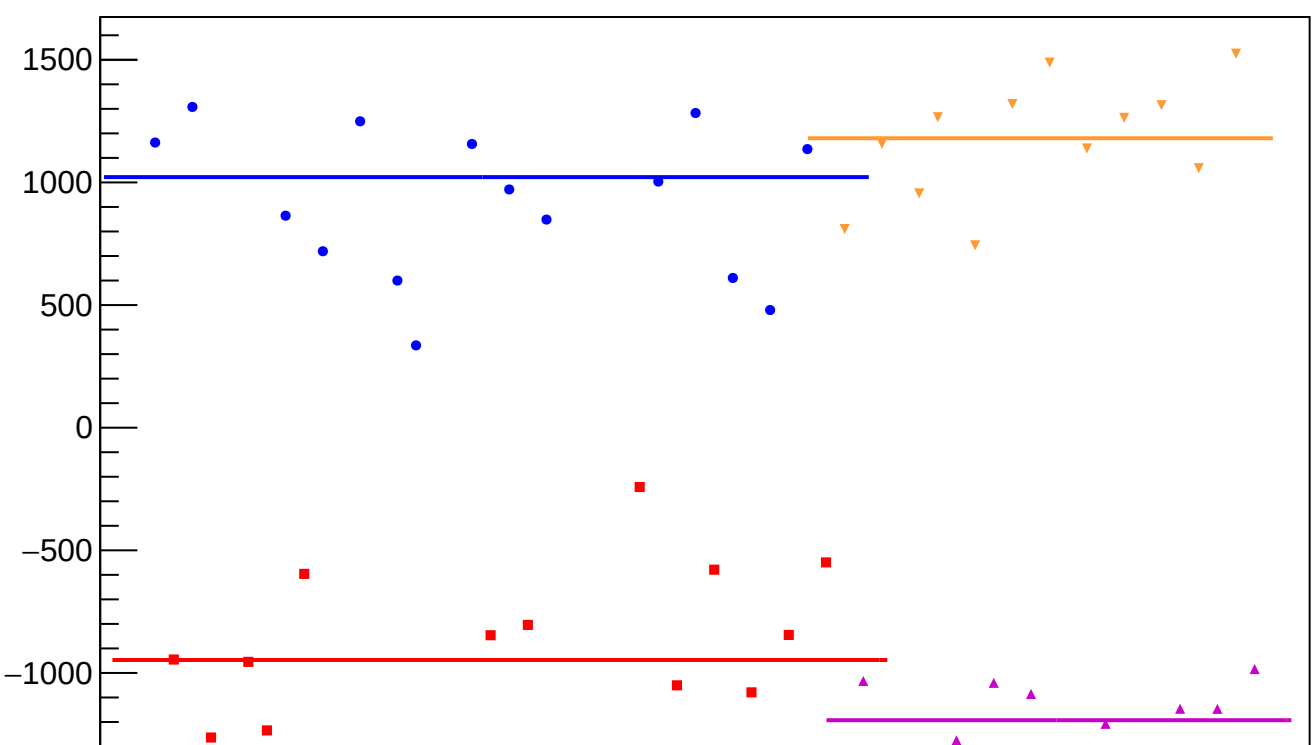
Right Out: -1230.633+/-0.000 $\chi^2$/NDF: 2769894541291500056568727445399037542 40.0/15

Out: 170.087+/-0.000 $\chi^2$/NDF:2691556918692435

Left In: -1220.761+/-0.000 $\chi^2$/NDF:1162968972504867199653419908309408808 96.0/10

All: 6.116+/-0.000 $\chi^2$/NDF: 5772148977032 9

# dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

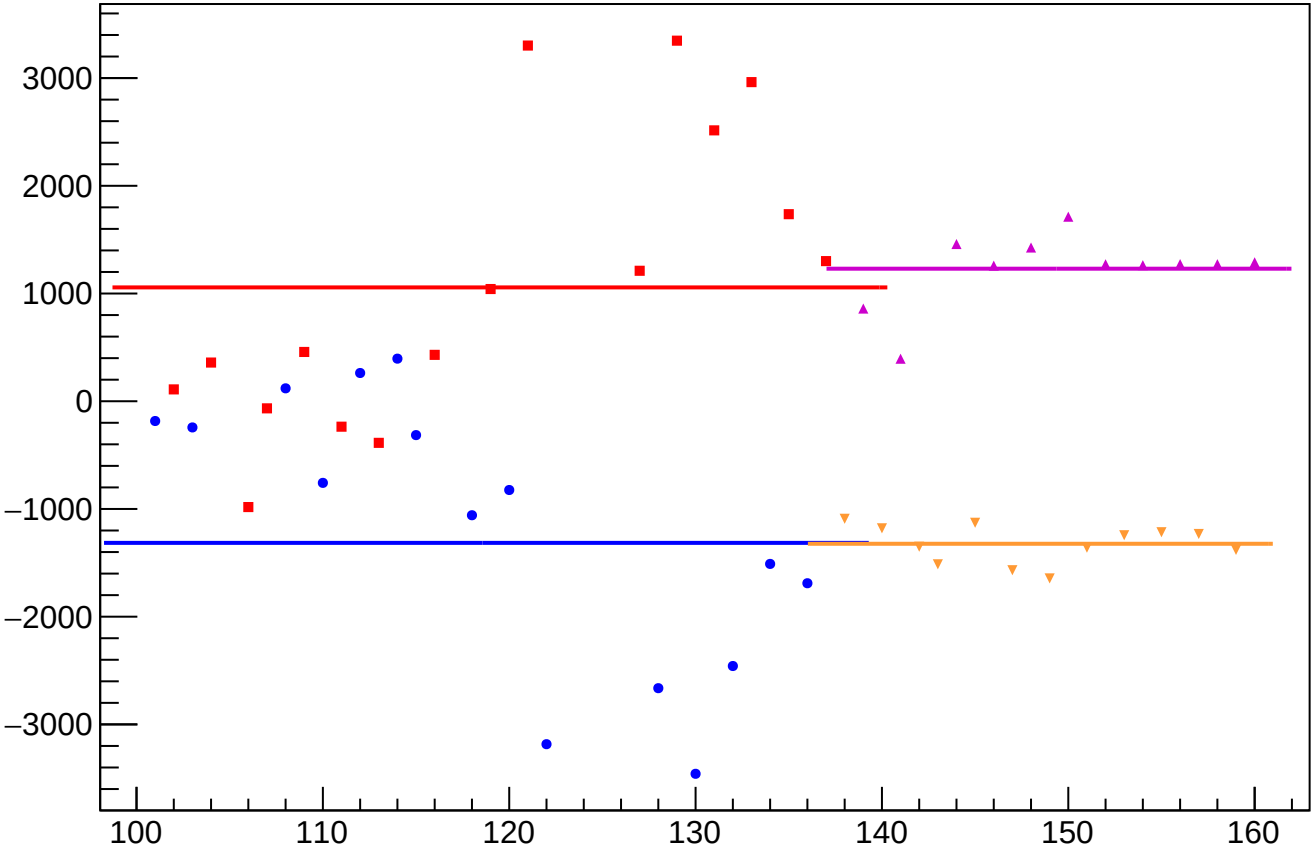
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

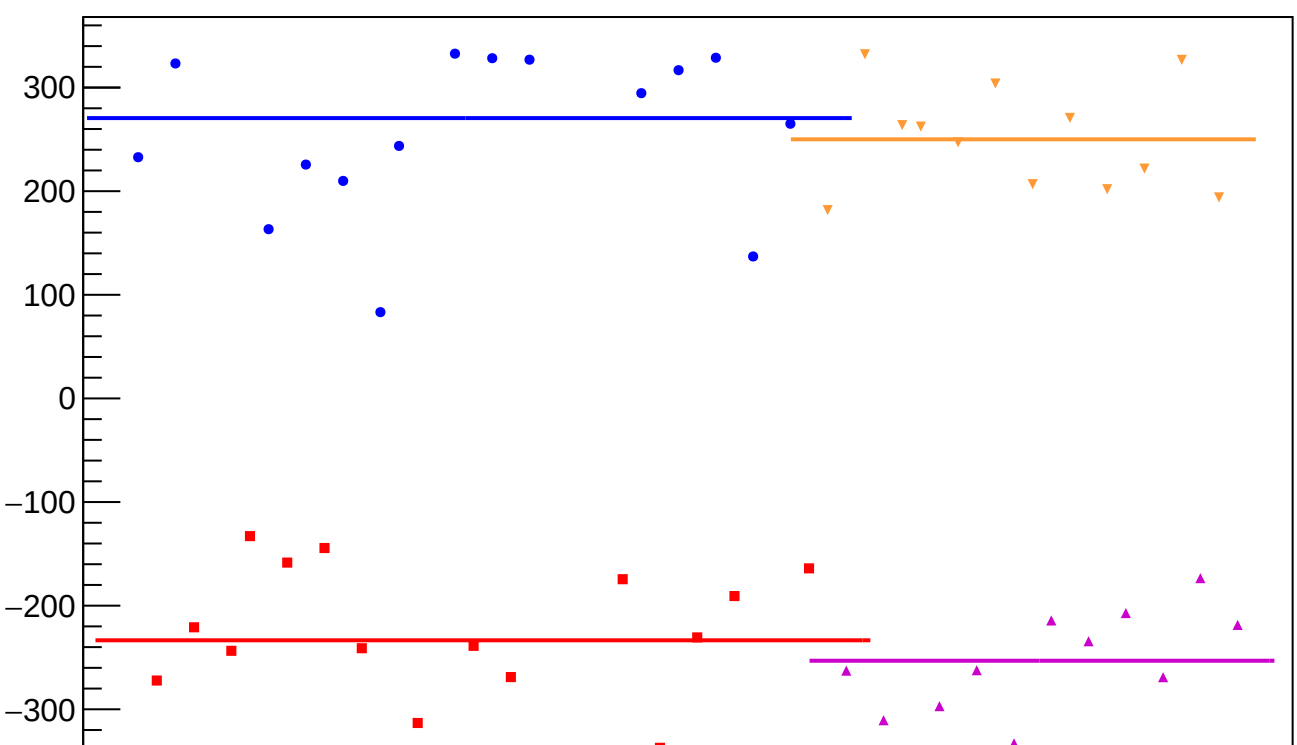
All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_sam5_coil7_mean vs Slug, Sign Corrected




Left: -39.410+/-0.000 $\chi^2$/NDF: 3123799611158754
Right In: -1314.782+/-0.000 $\chi^2$/NDF: 9660823685182034815440216444056455086 08.0/14
Right: -112.789+/-0.000 $\chi^2$/NDF: 39432514405702
Left Out: -1323.142+/-0.000 $\chi^2$/NDF:2718058478929391169480361330340999987 2.0/11
In: 180.308+/-0.000 $\chi^2$/NDF:3536166076329478 5
Right Out: 1056.765+/-0.000 $\chi^2$/NDF: 1127141594187417021949832477353286041600.0/15
Out: -319.095+/-0.000 $\chi^2$/NDF:333836126374439
Left In: 1230.430+/-0.000 $\chi^2$/NDF:1004316910688500560864091324605205053 44.0/10
All: -70.027+/-0.000 $\chi^2$/NDF: 707118050555

# dit_sam5_coil7_err_mean vs Slug, Sign Corrected




Left: -2.914+/-0.000 $\chi^2$/NDF: 12065657526575144

Right In: 270.538+/-0.000 $\chi^2$/NDF: 2473839905347950323907848405170257920.0/14

Right: 15.112+/-0.000 $\chi^2$/NDF: 8906438963054982

Left Out: 250.055+/-0.000 $\chi^2$/NDF:2329396041694824766683600755668025344.0/11

In: -37.080+/-0.000 $\chi^2$/NDF:10900445186758413

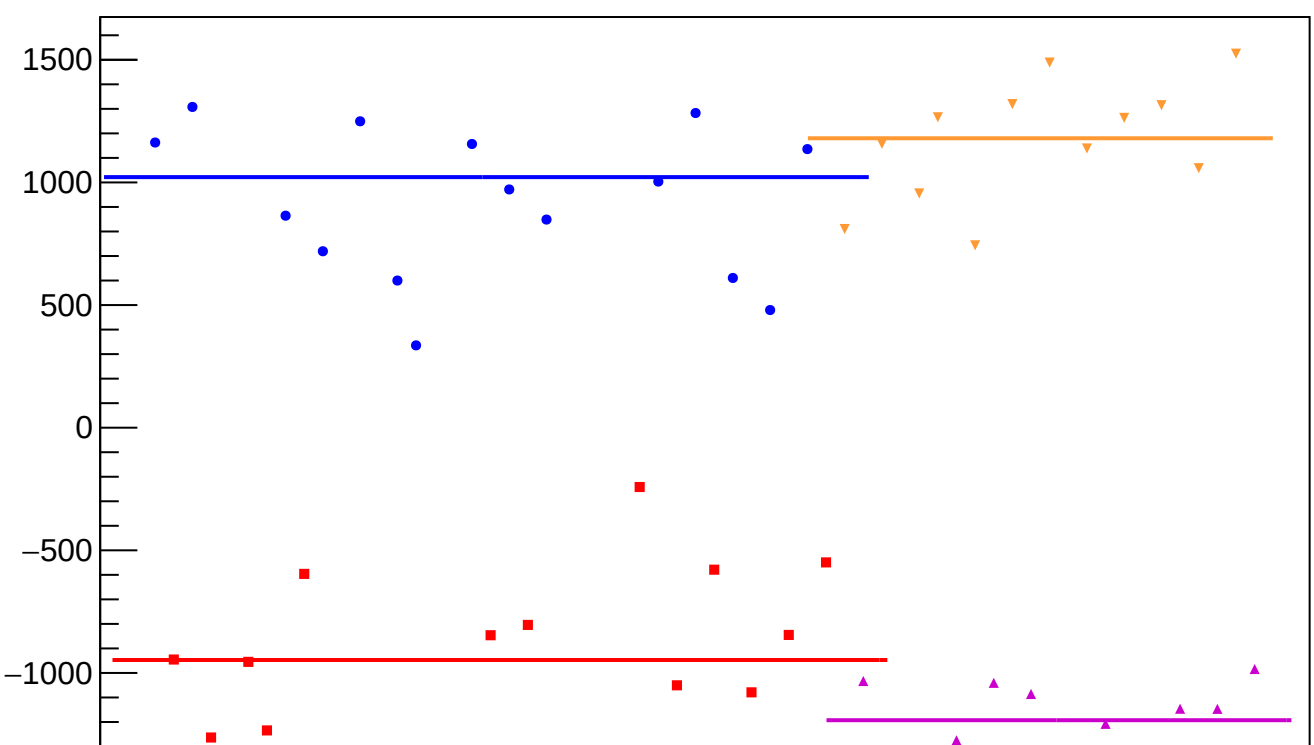
Right Out: -233.421+/-0.000 $\chi^2$/NDF: 3048529087317888615064010247743995904.0/15

Out: 46.084+/-0.000 $\chi^2$/NDF:9551225449196464 5

Left In: -253.145+/-0.000 $\chi^2$/NDF:1980196841930298045035907903943344128.0/10

All: 4.607+/-0.000 $\chi^2$/NDF: 20997016075743

# dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

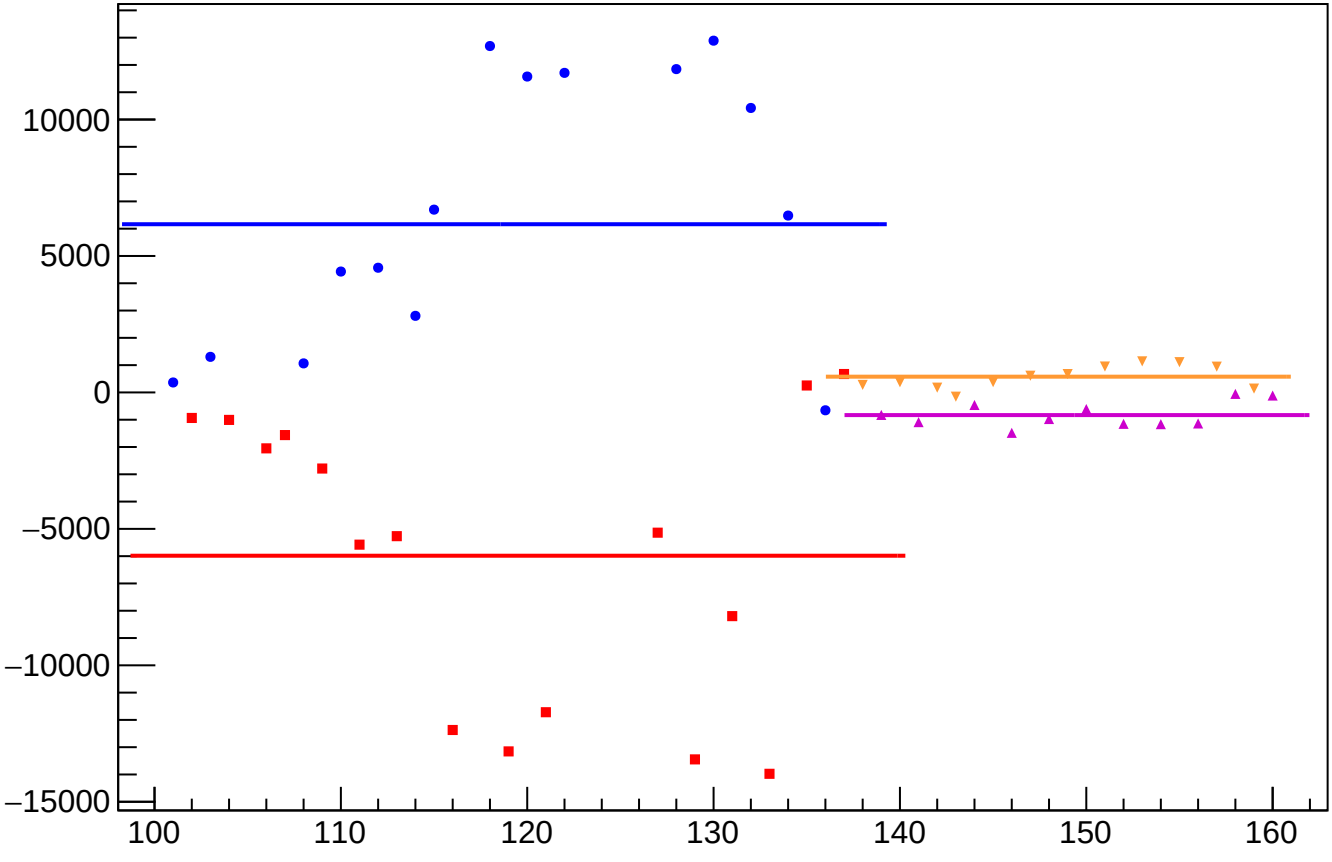
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_sam6_coil7_mean vs Slug, Sign Corrected




Left: -130.481+/-0.000 $\chi^2$/NDF: 122705160360500

Right In: 6163.445+/-0.000 $\chi^2$/NDF: 18200622549026770504746300139009854144512.0/14

Right: 6.710+/-0.000 $\chi^2$/NDF: 8424313097733602 2

Left Out: 577.285+/-0.000 $\chi^2$/NDF:1439649328177123537208848134971169177 60.0/11

In: 2055.062+/-0.000 $\chi^2$/NDF:370214304856749 4

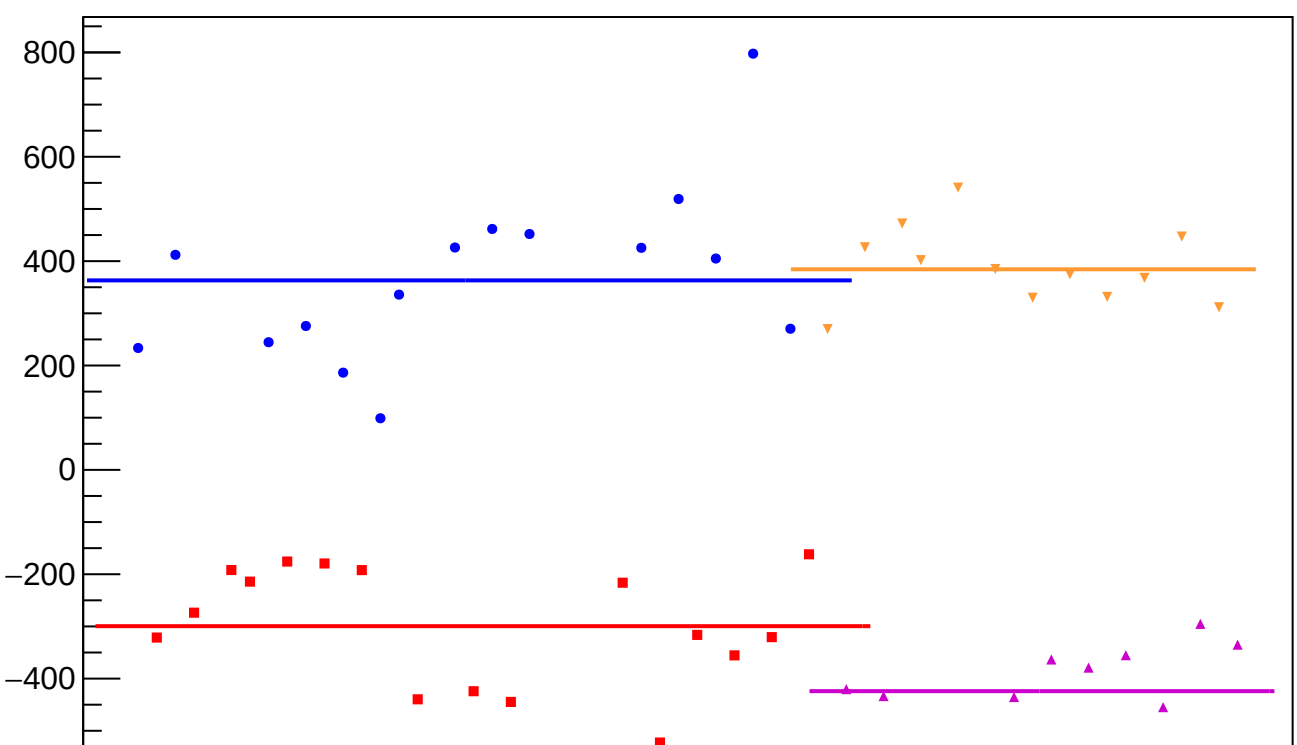
Right Out: -5983.876+/-0.000 $\chi^2$/NDF: 17505201913276273559161088764155841740800.0/15

Out: -2190.770+/-0.000 $\chi^2$/NDF:34248915694866

Left In: -830.587+/-0.000 $\chi^2$/NDF:17233709240372627319735602061512802 3040.0/10

All: -73.239+/-0.000 $\chi^2$/NDF: 854846167938

# dit_sam6_coil7_err_mean vs Slug, Sign Corrected




Left: -22.018+/-0.000 $\chi^2$/NDF: 3128182165483401

Right In: 363.133+/-0.000 $\chi^2$/NDF: 1150279169707645642643599827799533158 4.0/14

Right: 27.278+/-0.000 $\chi^2$/NDF: 1636258096450768

Left Out: 384.397+/-0.000 $\chi^2$/NDF:4703352228141784942428920611126378496.0/11

In: -99.259+/-0.000 $\chi^2$/NDF:25553843980228518

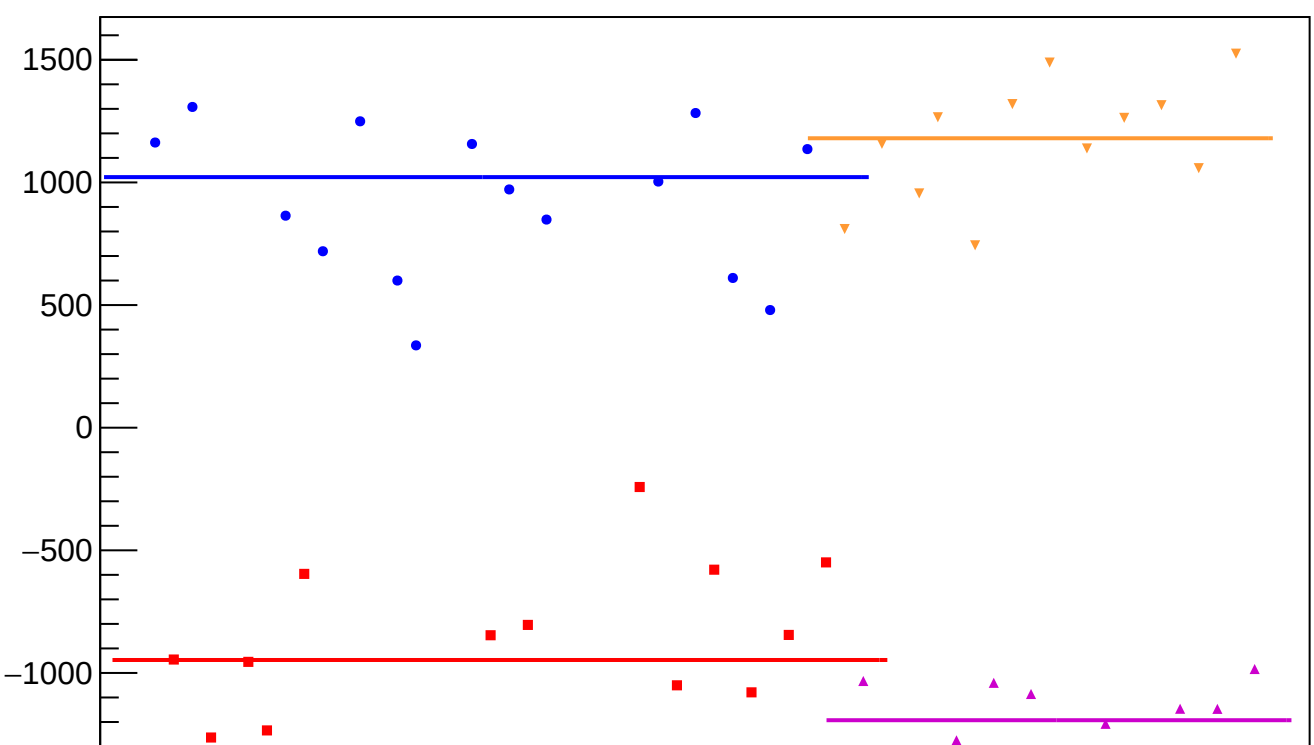
Right Out: -299.514+/-0.000 $\chi^2$/NDF: 7685497318744225218354652828984672256.0/15

Out: 95.865+/-0.000 $\chi^2$/NDF:1927486409807693 5

Left In: -424.034+/-0.000 $\chi^2$/NDF:7812894231718086106241094868881375232.0/10

All: -1.449+/-0.000 $\chi^2$/NDF: 4783076167376

# dit_sam6_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:192909078825431 9

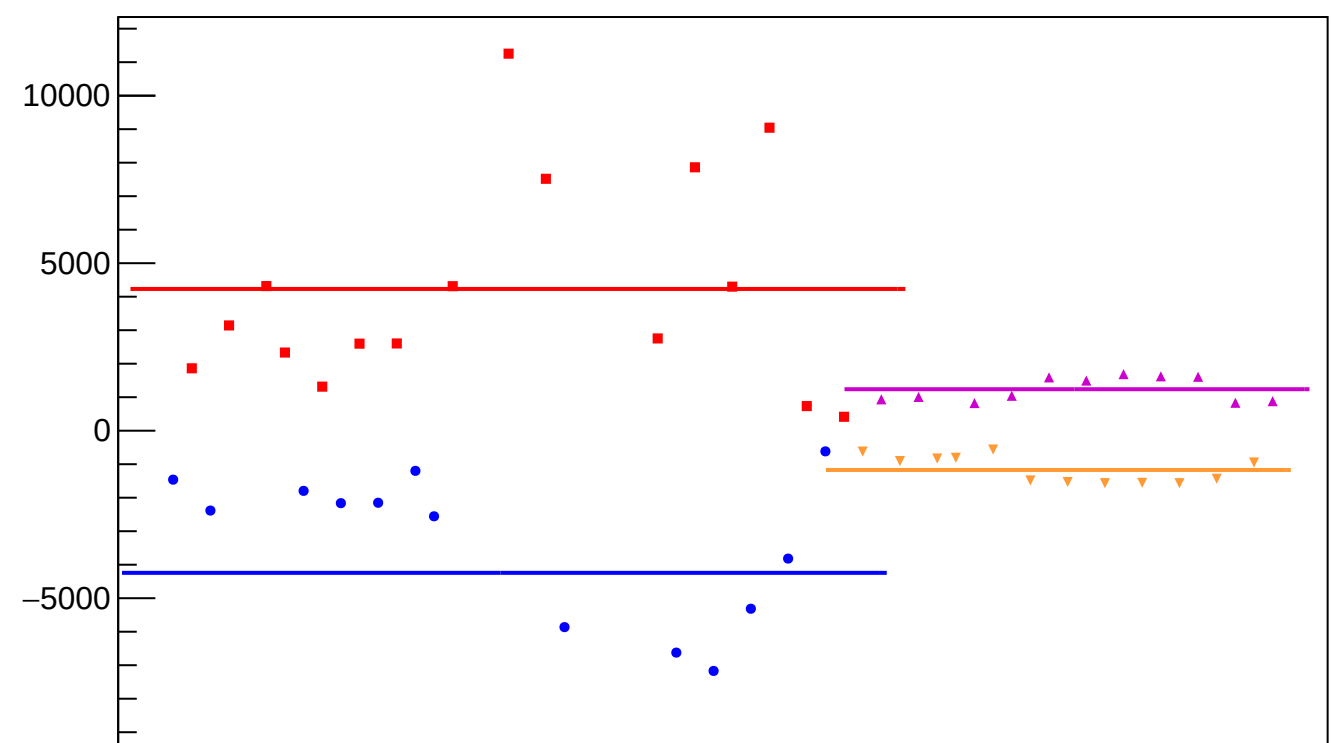
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_sam7_coil7_mean vs Slug, Sign Corrected




Left: 40.054+/-0.000 $\chi^2$/NDF: 2918723631424919

Right In: -4242.174+/-0.000 $\chi^2$/NDF: 678347227217415137114560108174211075276 8.0/14

Right: 52.349+/-0.000 $\chi^2$/NDF: 3708179263230228

Left Out: -1171.784+/-0.000 $\chi^2$/NDF:137401425112319786783295403719378599936.0/11

In: -1022.595+/-0.000 $\chi^2$/NDF:183472960455815

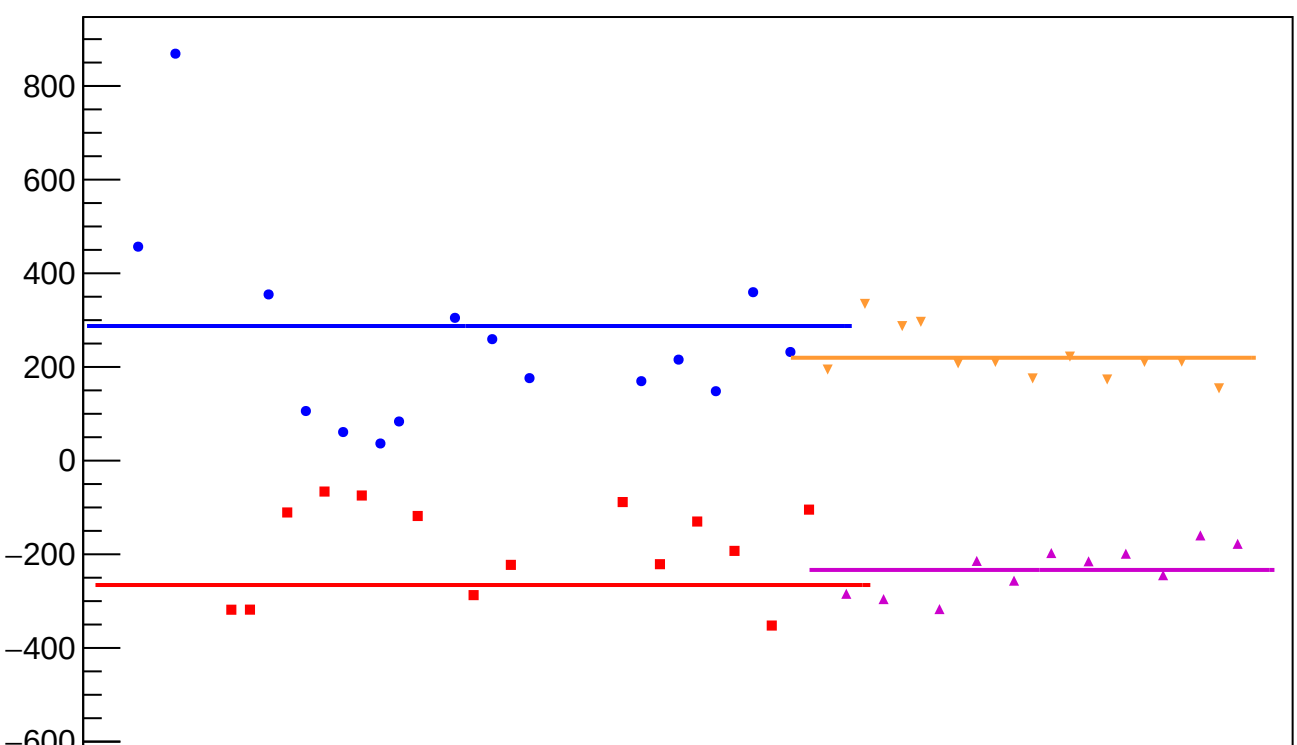
Right Out: 4230.978+/-0.000 $\chi^2$/NDF: 668240952810301675220434357374093046579 2.0/15

Out: 1107.560+/-0.000 $\chi^2$/NDF:180754931945864

Left In: 1238.776+/-0.000 $\chi^2$/NDF:111339045659652616720712870833504124928.0/10

All: 45.184+/-0.000 $\chi^2$/NDF: 4000063219777

# dit_sam7_coil7_err_mean vs Slug, Sign Corrected




Left: -8.095+/-0.000 $\chi^2$/NDF: 98946310660581678

Right In: 287.460+/-0.000 $\chi^2$/NDF: 2951704414482615593661915158136697651 2.0/14

Right: 7.151+/-0.000 $\chi^2$/NDF: 15597171601313483

Left Out: 219.672+/-0.000 $\chi^2$/NDF:2455507522676926762328692419180101632.0/11

In: -18.498+/-0.000 $\chi^2$/NDF:13511313369967268

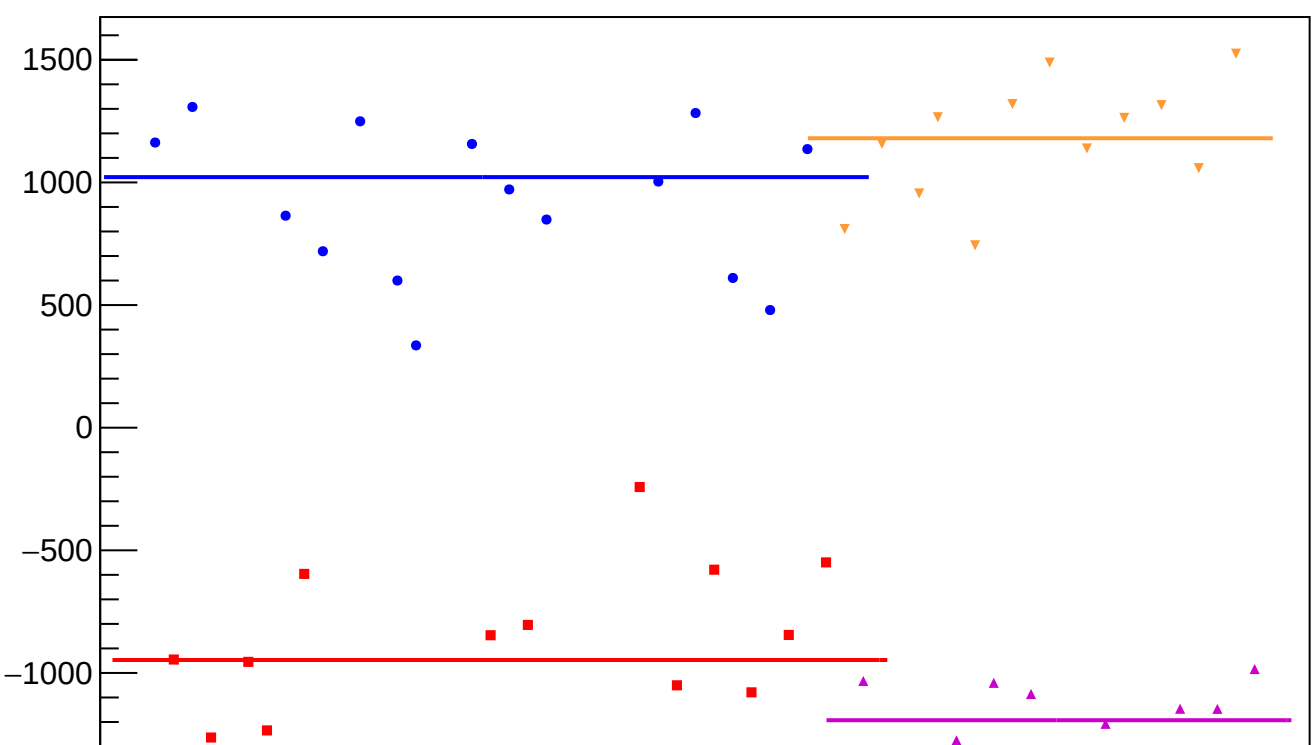
Right Out: -265.593+/-0.000 $\chi^2$/NDF: 2584326310632905927498549925906690867 2.0/15

Out: 14.946+/-0.000 $\chi^2$/NDF:11910121360268258

Left In: -233.397+/-0.000 $\chi^2$/NDF:2171341737989359237753599766499950592.0/10

All: -1.734+/-0.000 $\chi^2$/NDF: 2550962914121

# dit_sam7_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

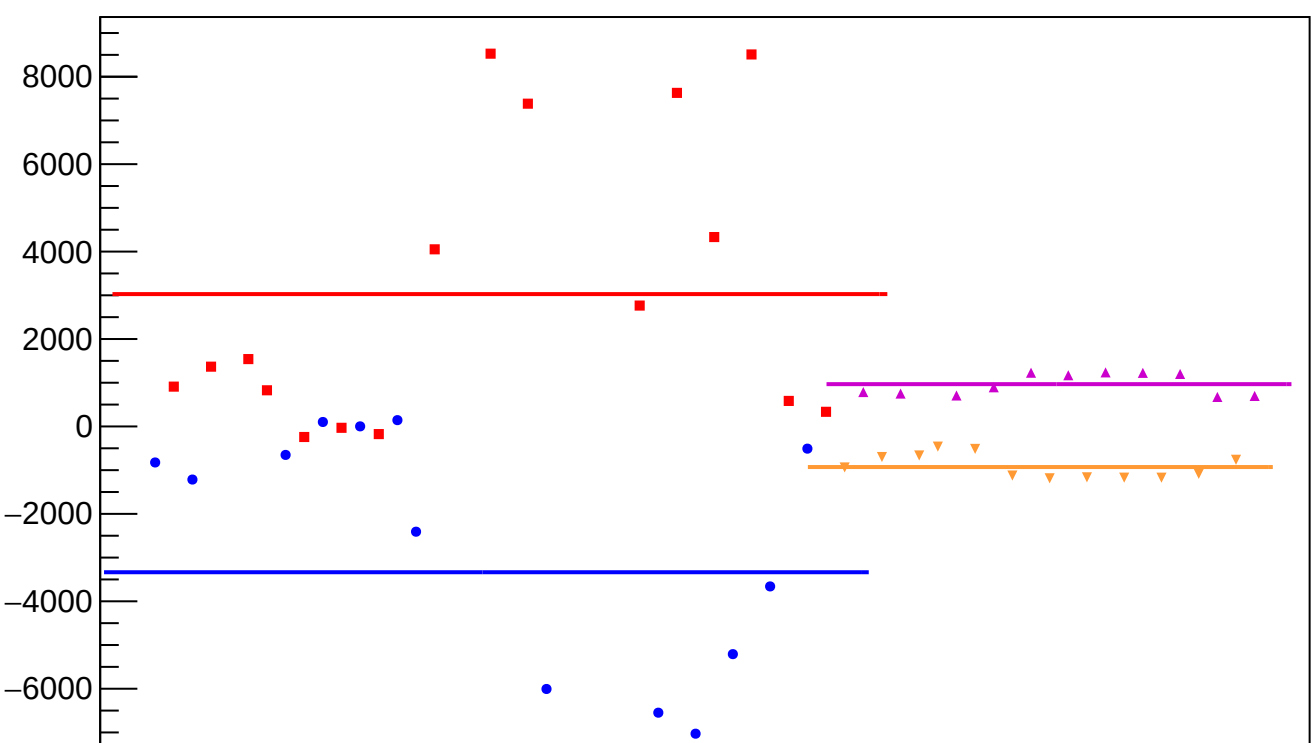
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

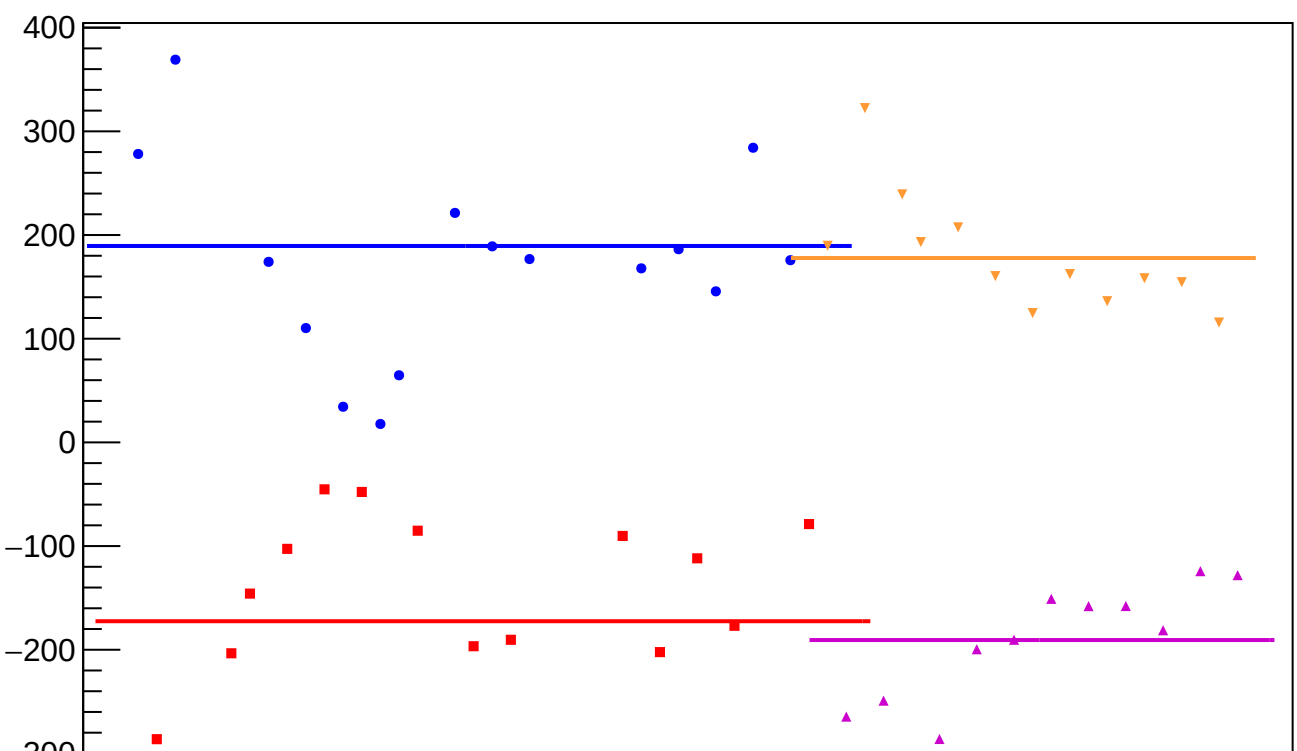
All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_sam8_coil7_mean vs Slug, Sign Corrected




Left: 24.512+/-0.000 $\chi^2$/NDF: 17662313982822156
Right In: -3335.273+/-0.000 $\chi^2$/NDF: 633808725158963752903007551715242357555 2.0/14
Right: -110.320+/-0.000 $\chi^2$/NDF: 26741707536001
Left Out: -928.862+/-0.000 $\chi^2$/NDF:622505100215341047345917104599680942 08.0/11
In: -807.730+/-0.000 $\chi^2$/NDF:1344782221758095
Right Out: 3027.603+/-0.000 $\chi^2$/NDF: 7086157086694396583090903767581326311424.0/15
Out: 740.311+/-0.000 $\chi^2$/NDF:1318448638352381
Left In: 967.568+/-0.000 $\chi^2$/NDF:5146188161940171856749778772086593945 6.0/10
All: -31.746+/-0.000 $\chi^2$/NDF: 285218808380

# dit_sam8_coil7_err_mean vs Slug, Sign Corrected




Left: -7.418+/-0.000 $\chi^2$/NDF: 67707857548229784

Right In: 189.442+/-0.000 $\chi^2$/NDF: 4707234253929700721726064108794544128.0/14

Right: 6.003+/-0.000 $\chi^2$/NDF: 5338989642966045

Left Out: 177.811+/-0.000 $\chi^2$/NDF:279339252992794486008158123450590822 4.0/11

In: -33.824+/-0.000 $\chi^2$/NDF:62316992098402396

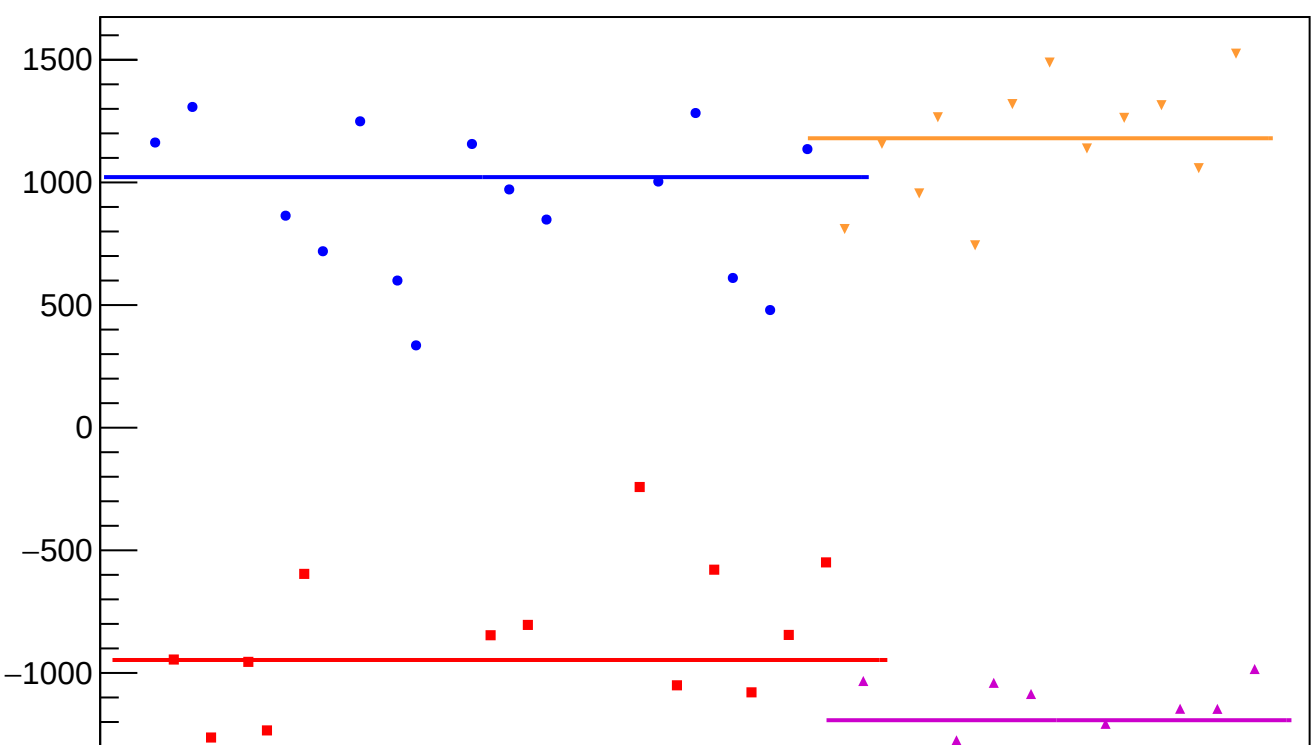
Right Out: -172.485+/-0.000 $\chi^2$/NDF: 559481340899672826193871147040453427 2.0/15

Out: 30.026+/-0.000 $\chi^2$/NDF:5570432113857539 0

Left In: -190.641+/-0.000 $\chi^2$/NDF:253607038668406713200154889809192550 4.0/10

All: -1.818+/-0.000 $\chi^2$/NDF: 1212358862395

# dit_sam8_coil7_Ndata_mean vs Slug, Sign Corrected




Left: -12.747+/-0.000 $\chi^2$/NDF: 2657013306605046

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 4049310147087027839783627640359249510 4.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

In: -279.065+/-0.000 $\chi^2$/NDF:1929090788254319

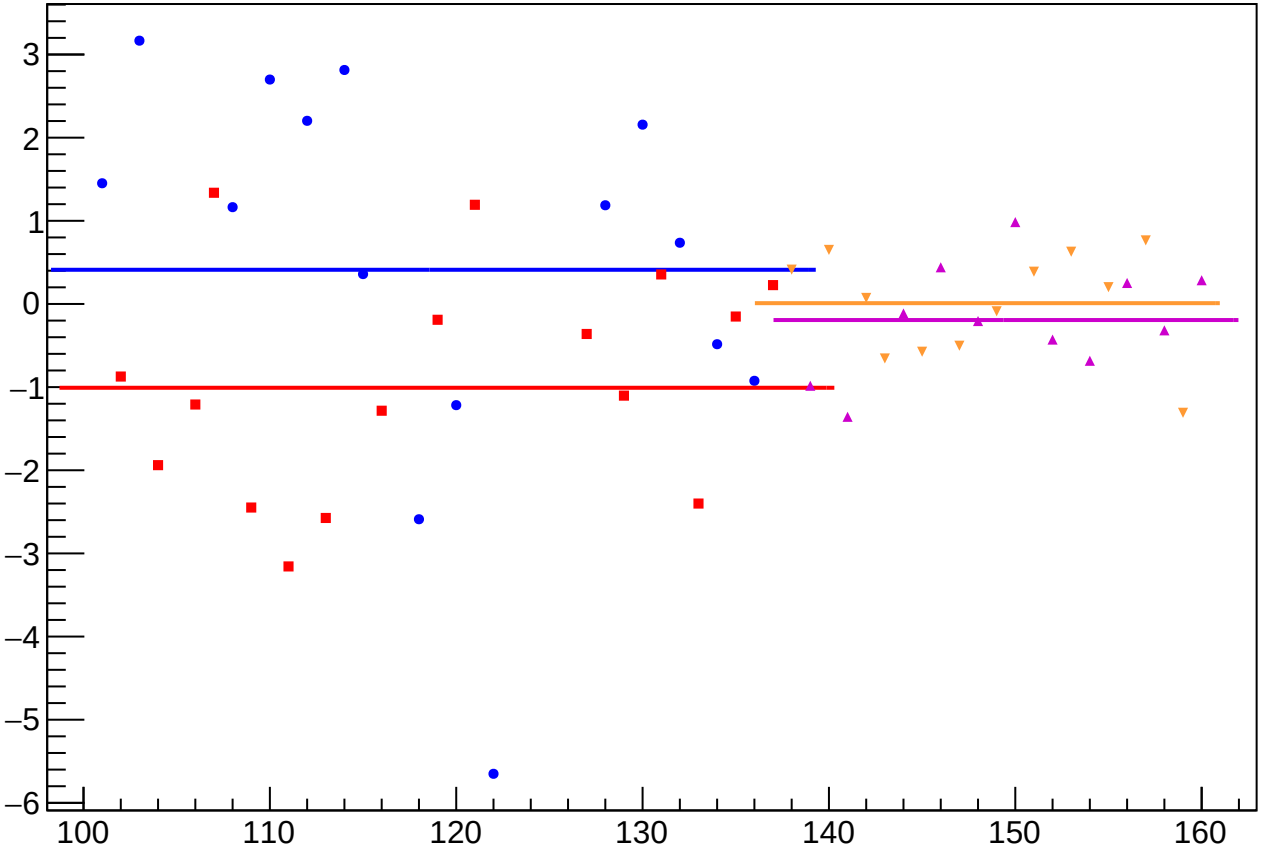
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

Out: 282.649+/-0.000 $\chi^2$/NDF:186349727376124 5

Left In: -1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

All: 2.504+/-0.000 $\chi^2$/NDF: 4041376432035 6

# dit_4aX_coil4_mean vs Slug, Sign Corrected




Left: -0.092+/-0.000 $\chi^2$/NDF: 75962986262153938

Right In: 0.411+/-0.000 $\chi^2$/NDF: 338557350625556317005308982040985 6.0/14

Right: -0.308+/-0.000 $\chi^2$/NDF: 5176319865553172

Left Out: 0.010+/-0.000 $\chi^2$/NDF:354573516648160349272665694928896.0/11

In: 0.056+/-0.000 $\chi^2$/NDF:391102792111074774 0

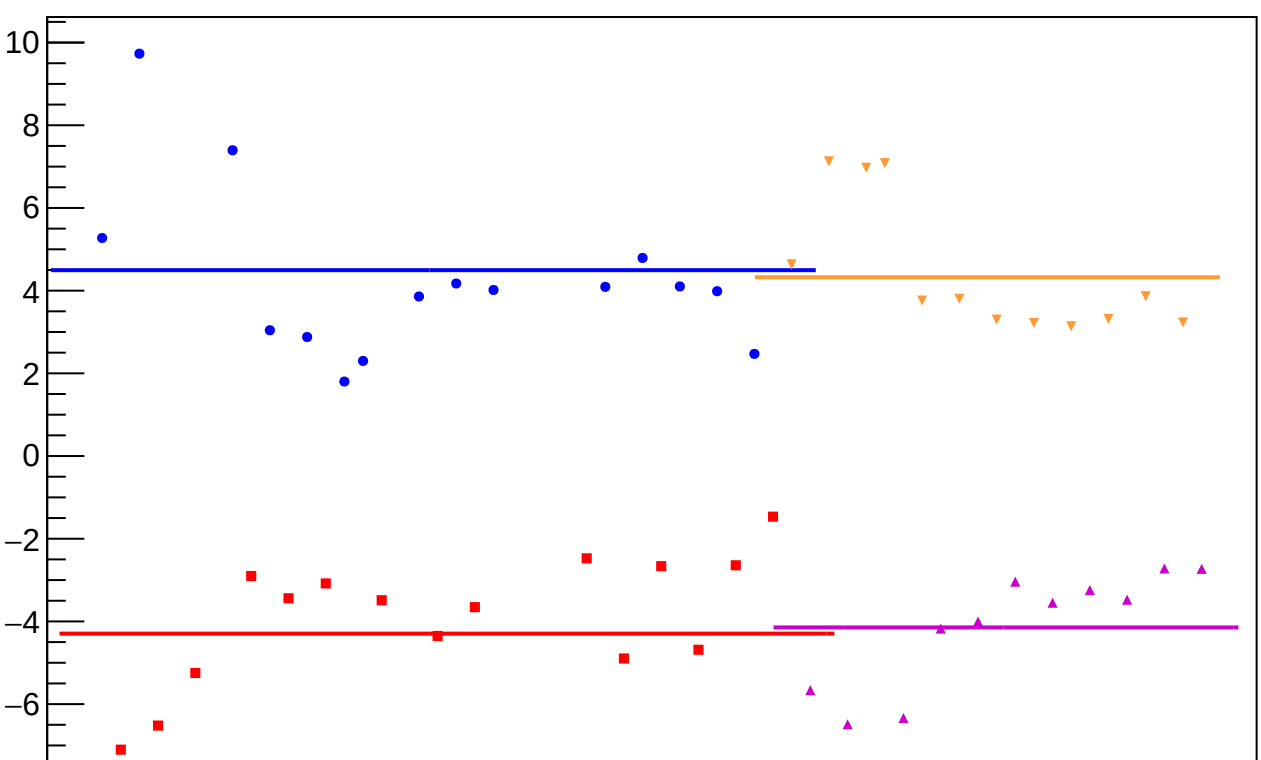
Right Out: -1.008+/-0.000 $\chi^2$/NDF: 112840222814409639449804741070028 8.0/15

Out: -0.420+/-0.000 $\chi^2$/NDF:1882127563967702 6

Left In: -0.193+/-0.000 $\chi^2$/NDF:386133523330033860307880234713088.0/10

All: -0.182+/-0.000 $\chi^2$/NDF: 5971597389441

# dit_4aX_coil4_err_mean vs Slug, Sign Corrected




Left: 0.066+/-0.000 $\chi^2$/NDF: 366281962464816002

Right In: 4.495+/-0.000 $\chi^2$/NDF: 27422400724410975315007287915970 56.0/14

Right: 0.040+/-0.000 $\chi^2$/NDF: 30173534256832041

Left Out: 4.324+/-0.000 $\chi^2$/NDF:20255349693889500584071091191808 00.0/11

In: -0.580+/-0.000 $\chi^2$/NDF:32849833269086898 0

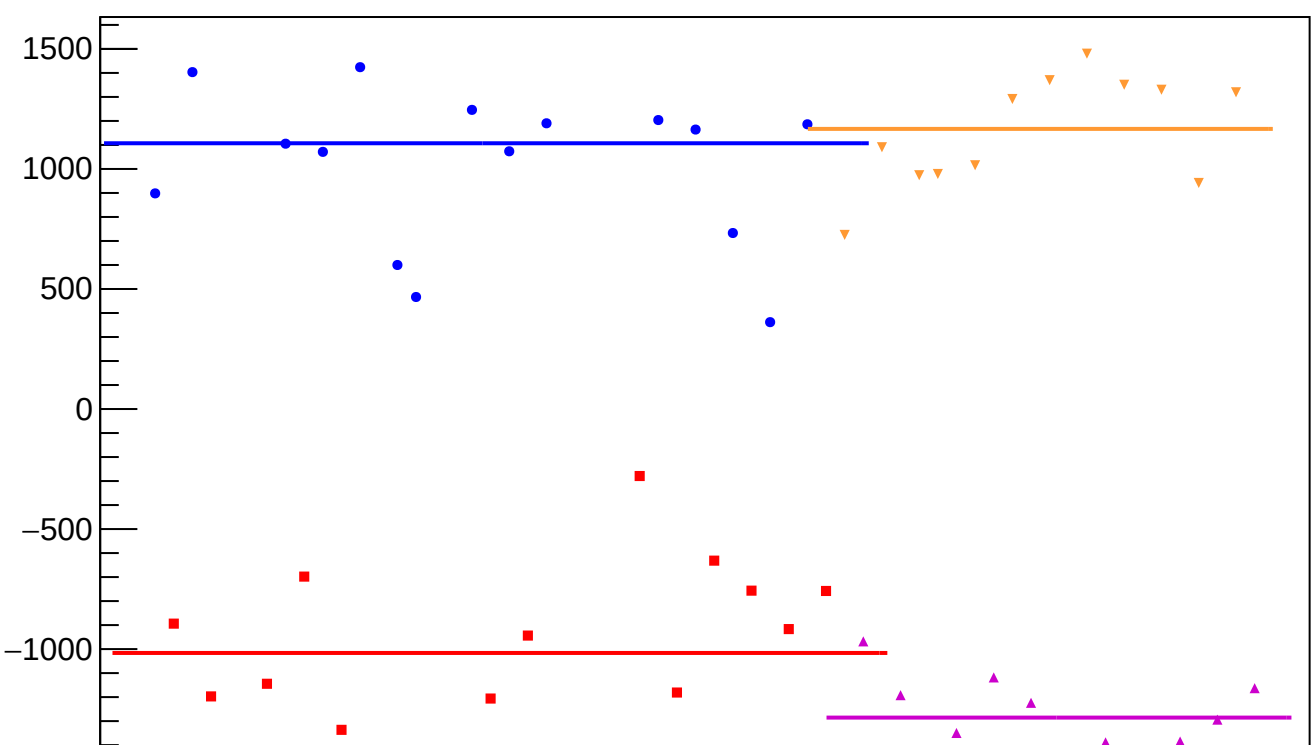
Right Out: -4.296+/-0.000 $\chi^2$/NDF: 20119257070620518903810074754416 64.0/15

Out: 0.687+/-0.000 $\chi^2$/NDF:32685168492673519 3

Left In: -4.145+/-0.000 $\chi^2$/NDF:16459426043033496085718498279424 00.0/10

All: 0.055+/-0.000 $\chi^2$/NDF: 6680227054433 8

# dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

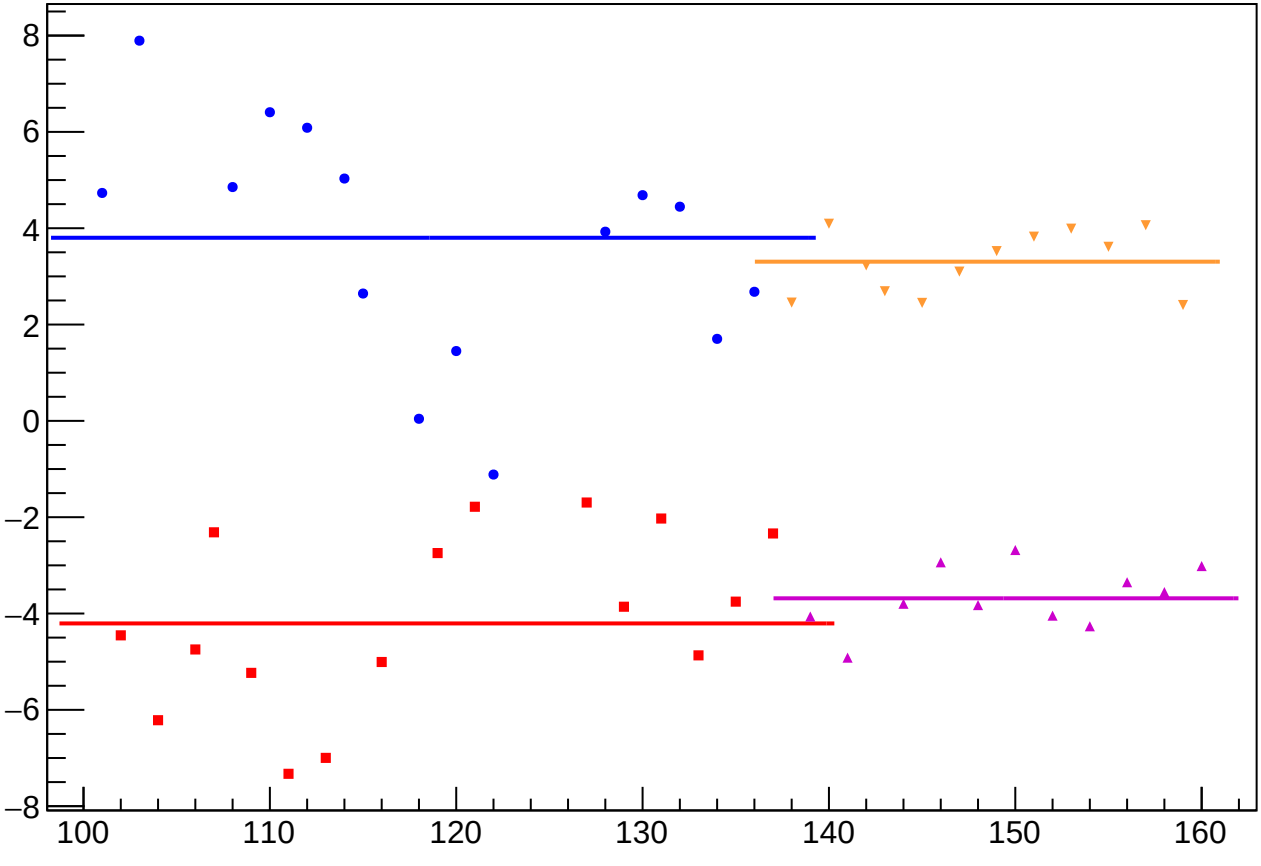
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_4eX_coil4_mean vs Slug, Sign Corrected




Left: -0.208+/-0.000 $\chi^2$/NDF: 23190007997846699

Right In: 3.802+/-0.000 $\chi^2$/NDF: 37954760743983389305647006576803 84.0/14

Right: -0.257+/-0.000 $\chi^2$/NDF: 2698438341107243

Left Out: 3.305+/-0.000 $\chi^2$/NDF:37551460533980562489867955811123 2.0/11

In: -0.595+/-0.000 $\chi^2$/NDF:255266688887747072

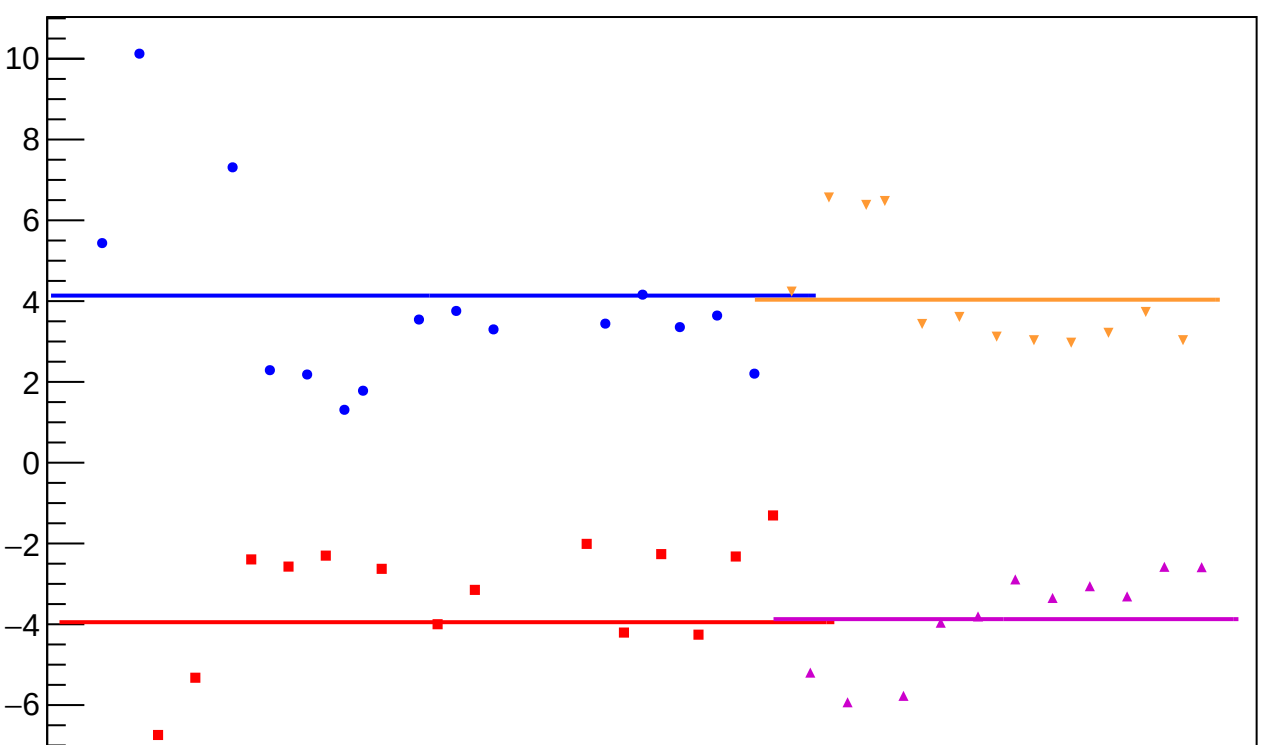
Right Out: -4.206+/-0.000 $\chi^2$/NDF: 20964278133414545733322651834777 60.0/15

Out: 0.137+/-0.000 $\chi^2$/NDF:24226870849335382 7

Left In: -3.684+/-0.000 $\chi^2$/NDF:36600141965642231060185007259648 0.0/10

All: -0.229+/-0.000 $\chi^2$/NDF: 5017617766780

# dit_4eX_coil4_err_mean vs Slug, Sign Corrected




Left: 0.060+/-0.000 $\chi^2$/NDF: 316216539127816530

Right In: 4.136+/-0.000 $\chi^2$/NDF: 3507600624388663919898505496231936.0/14

Right: 0.039+/-0.000 $\chi^2$/NDF: 27678490251430251

Left Out: 4.035+/-0.000 $\chi^2$/NDF:1609299061352578548486150138363904.0/11

In: -0.568+/-0.000 $\chi^2$/NDF:292407298934601756

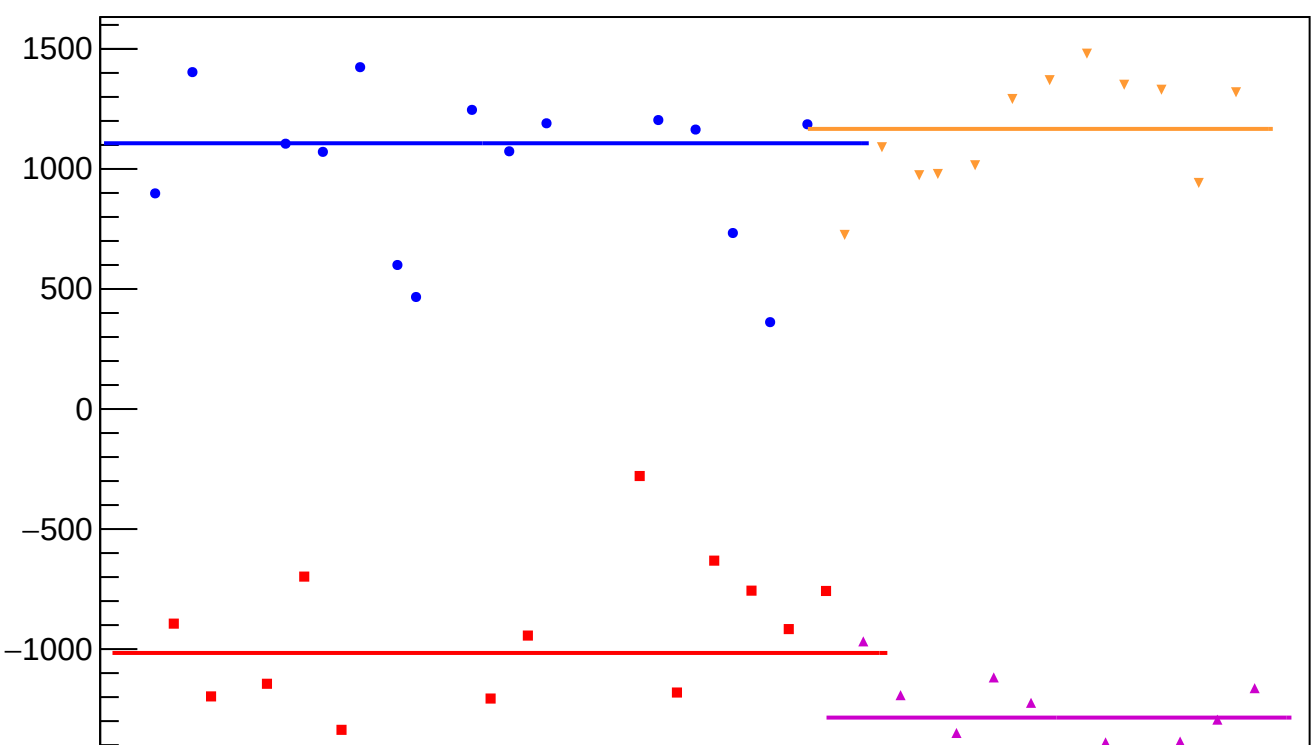
Right Out: -3.948+/-0.000 $\chi^2$/NDF: 267017678394230202834555110005145 6.0/15

Out: 0.667+/-0.000 $\chi^2$/NDF:288565858035972461

Left In: -3.873+/-0.000 $\chi^2$/NDF:1278598291391127694323835331411968.0/10

All: 0.051+/-0.000 $\chi^2$/NDF: 5930048169444 3

# dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

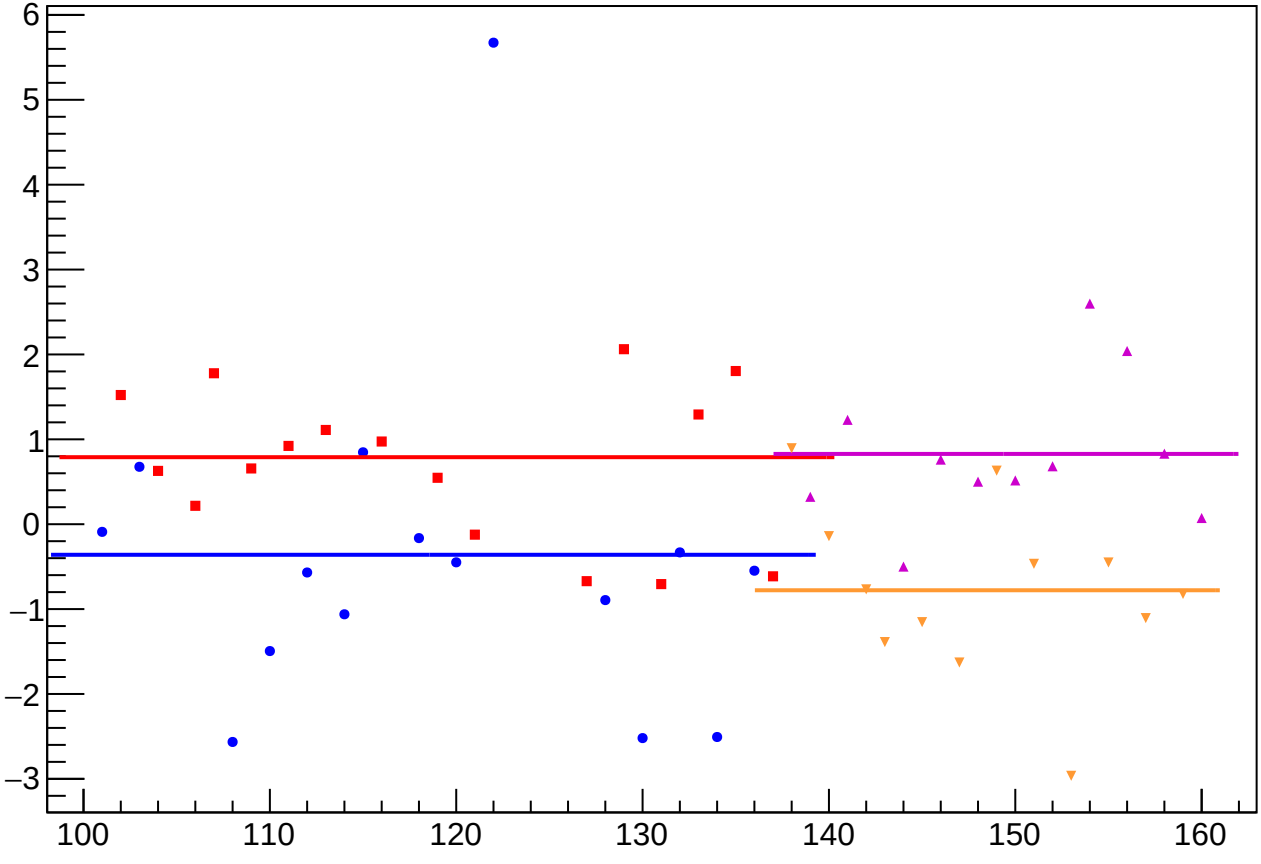
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_11X12X_coil4_mean vs Slug, Sign Corrected




Left: 0.029+/-0.000 $\chi^2$/NDF: 277746787190859319

Right In: -0.360+/-0.000 $\chi^2$/NDF: 218025634879089684934621217895219 2.0/14

Right: 0.223+/-0.000 $\chi^2$/NDF: 3078215805430625 7

Left Out: -0.778+/-0.000 $\chi^2$/NDF:941792568376434225486843988672512.0/11

In: 0.338+/-0.000 $\chi^2$/NDF:336874813296651440 3

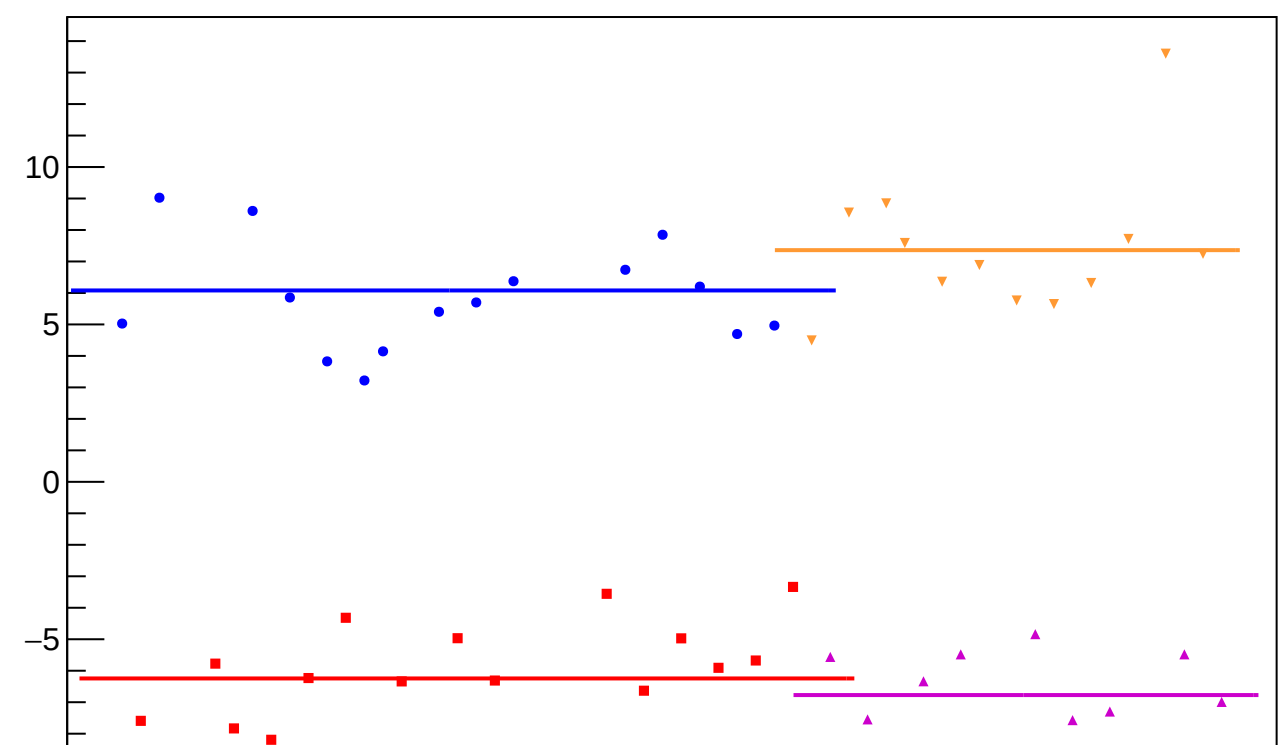
Right Out: 0.790+/-0.000 $\chi^2$/NDF: 463078369073343959803422903894016.0/15

Out: -0.117+/-0.000 $\chi^2$/NDF:2352648188556043 2

Left In: 0.828+/-0.000 $\chi^2$/NDF:650173977459122524537180454387712.0/10

All: 0.110+/-0.000 $\chi^2$/NDF: 5884318462286 7

# dit_11X12X_coil4_err_mean vs Slug, Sign Corrected




Right In: 6.079+/-0.000 $\chi^2$/NDF: 1590295171022705157509904488253 44.0/14

Left Out: 7.360+/-0.000 $\chi^2$/NDF:4580380755239365503585140070154240.0/11

Right Out: -6.245+/-0.000 $\chi^2$/NDF: 1816529163105006938510976985595904.0/15

Left In: -6.773+/-0.000 $\chi^2$/NDF:1545880653062872635060205832372224.0/10

Left: 0.255+/-0.000 $\chi^2$/NDF: 97899661429953453 6

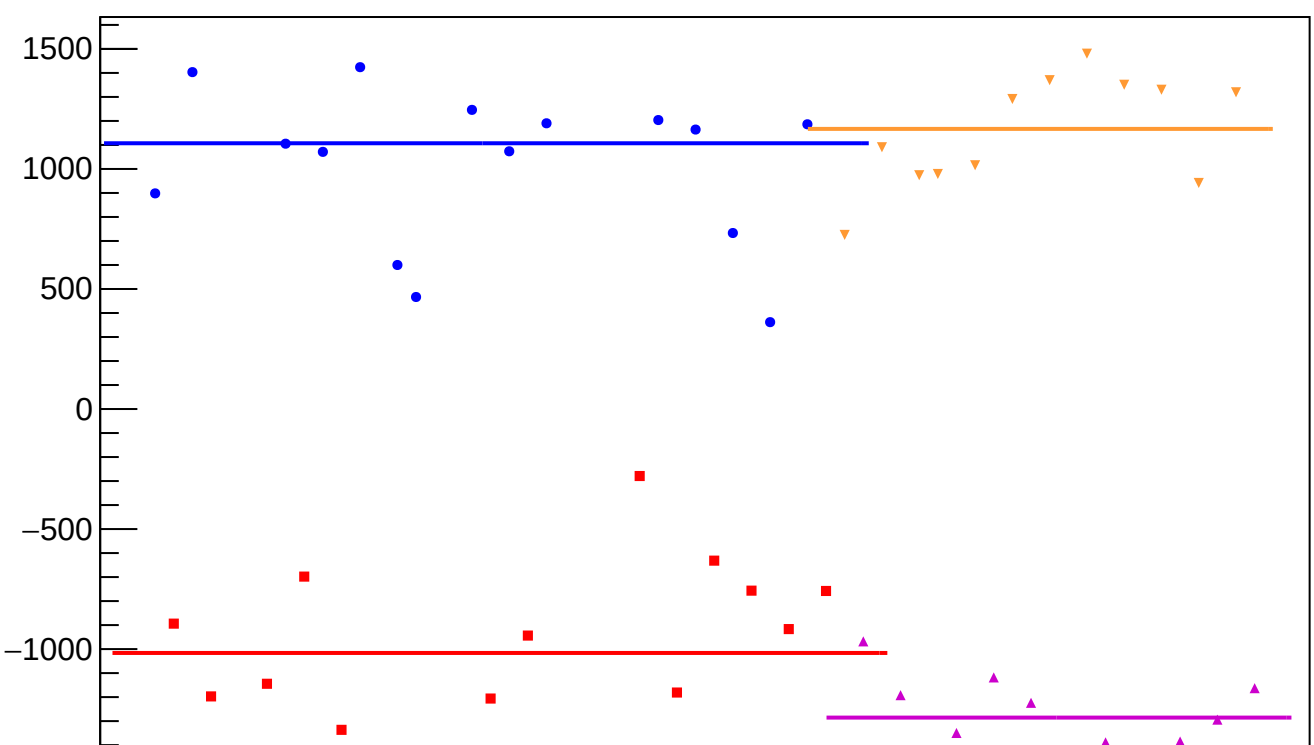
Right: -0.167+/-0.000 $\chi^2$/NDF: 5337277361381866

In: -1.470+/-0.000 $\chi^2$/NDF:661098072576307986

Out: 1.620+/-0.000 $\chi^2$/NDF:777700572607728020

All: 0.079+/-0.000 $\chi^2$/NDF: 1514090769074 6

# dit_11X12X_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

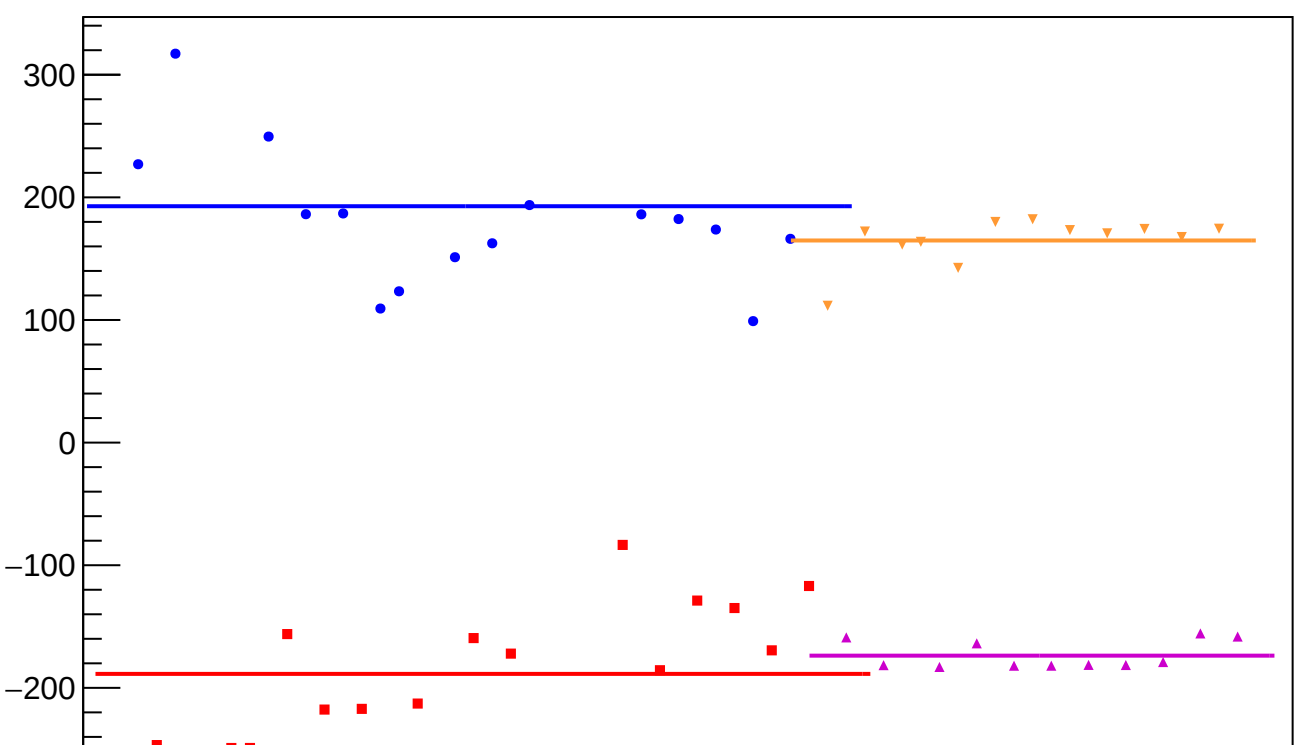
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

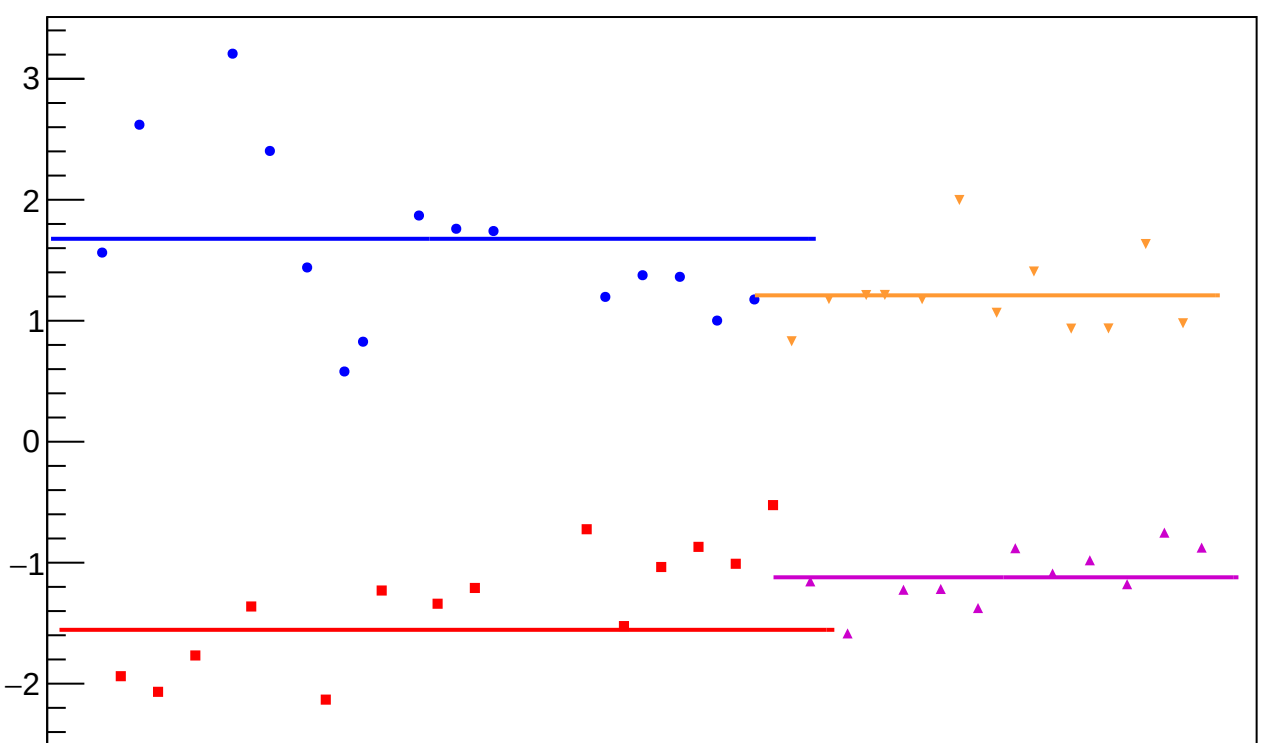
All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_4aY_coil4_mean vs Slug, Sign Corrected




Left: -5.374+/-0.000 $\chi^2$/NDF: 5310985688490385
Right In: 192.771+/-0.000 $\chi^2$/NDF: 1640576279746948433391816936236515328.0/14
Right: -0.529+/-0.000 $\chi^2$/NDF: 5140794879295893
Left Out: 164.832+/-0.000 $\chi^2$/NDF:331248867631864480349687016910225408.0/11
In: -22.521+/-0.000 $\chi^2$/NDF:5295856655825622
Right Out: -188.612+/-0.000 $\chi^2$/NDF: 192234225728767456334420473001961062 4.0/15
Out: 15.720+/-0.000 $\chi^2$/NDF:5042417445122393
Left In: -173.738+/-0.000 $\chi^2$/NDF:1075681569239006494587955410024529 92.0/10
All: -3.352+/-0.000 $\chi^2$/NDF: 1045358110774

# dit_4aY_coil4_err_mean vs Slug, Sign Corrected




Left: 0.038+/-0.000 $\chi^2$/NDF: 264004662994655544

Right In: 1.677+/-0.000 $\chi^2$/NDF: 2418799240447885932927915592253 44.0/14

Right: 0.039+/-0.000 $\chi^2$/NDF: 3934467653215597 9

Left Out: 1.210+/-0.000 $\chi^2$/NDF:9550050245842002667238470556057 6.0/11

In: 0.034+/-0.000 $\chi^2$/NDF:3275368114978709323

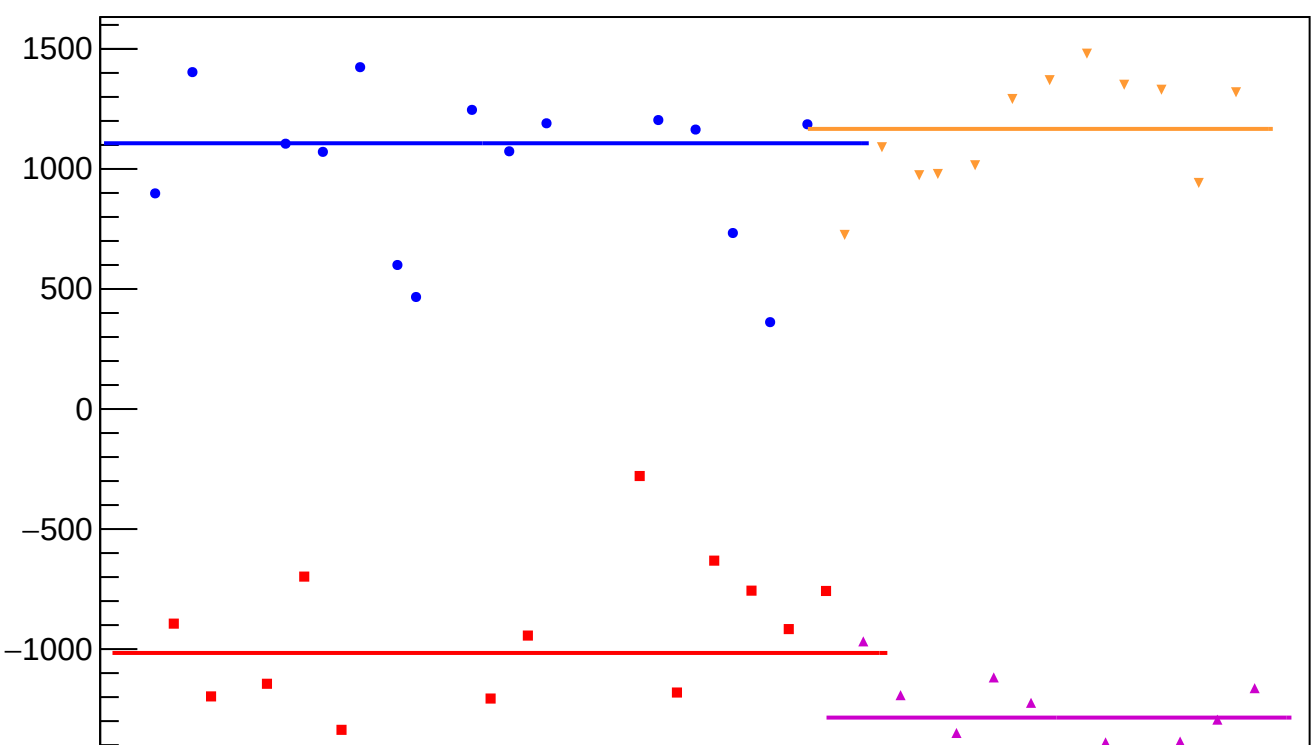
Right Out: -1.555+/-0.000 $\chi^2$/NDF: 2556459514338902968276771951083 52.0/15

Out: 0.043+/-0.000 $\chi^2$/NDF:3299071618905269 86

Left In: -1.121+/-0.000 $\chi^2$/NDF:4837489656334895737228535162470 4.0/10

All: 0.039+/-0.000 $\chi^2$/NDF: 6574514878756 2

# dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

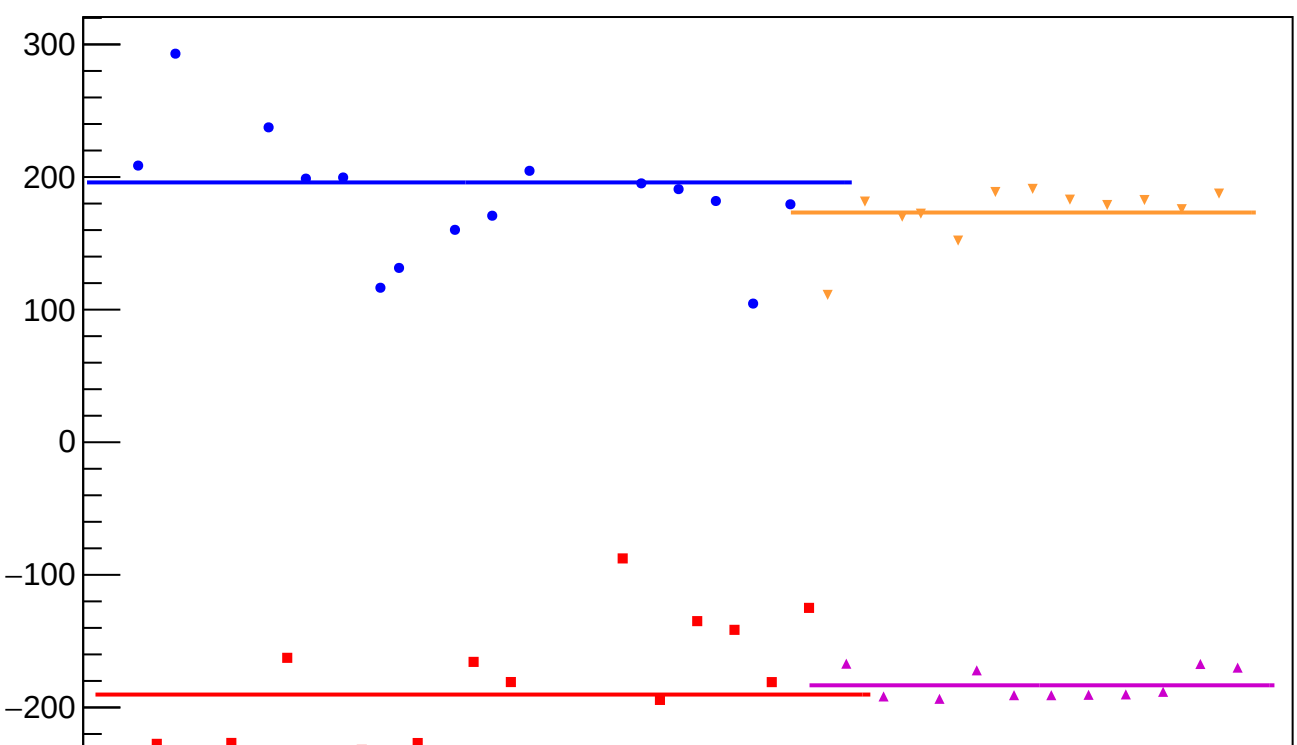
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_4eY_coil4_mean vs Slug, Sign Corrected




Left: -5.993+/-0.000 $\chi^2$/NDF: 58931613915214401

Right In: 195.940+/-0.000 $\chi^2$/NDF: 1057891079869089572370479093183938560.0/14

Right: 0.195+/-0.000 $\chi^2$/NDF: 51589726724001798

Left Out: 173.245+/-0.000 $\chi^2$/NDF:42118974302231295677962122295456563 2.0/11

In: -26.825+/-0.000 $\chi^2$/NDF:55986720653015776

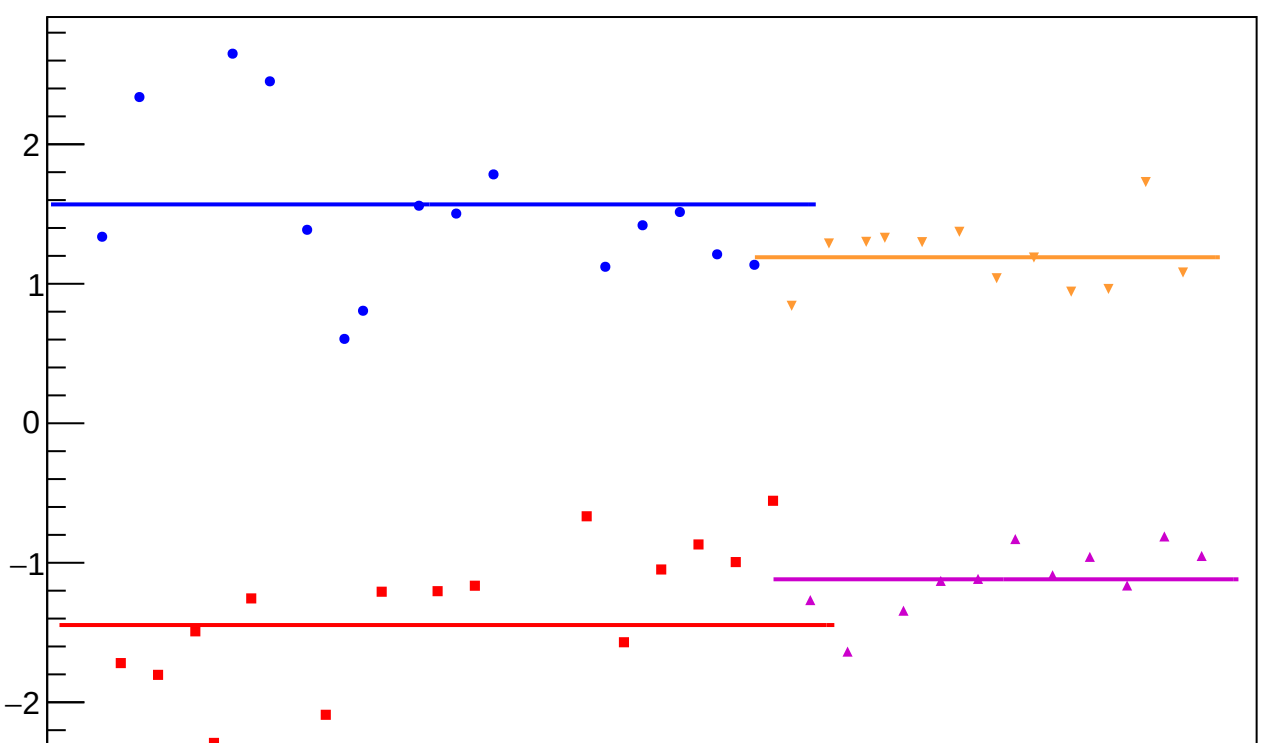
Right Out: -190.268+/-0.000 $\chi^2$/NDF: 1468473073667973330267084234323656704.0/15

Out: 19.884+/-0.000 $\chi^2$/NDF:52843706660567935

Left In: -183.290+/-0.000 $\chi^2$/NDF:1017388415111114178210426118324879 36.0/10

All: -3.411+/-0.000 $\chi^2$/NDF: 1105507050353

# dit_4eY_coil4_err_mean vs Slug, Sign Corrected




Left: 0.030+/-0.000 $\chi^2$/NDF: 25487304289291096

Right In: 1.569+/-0.000 $\chi^2$/NDF: 16284919566812338078961054095769 6.0/14

Right: 0.041+/-0.000 $\chi^2$/NDF: 3349930396263144

Left Out: 1.190+/-0.000 $\chi^2$/NDF:507458229360322173361448141455 36.0/11

In: -0.010+/-0.000 $\chi^2$/NDF:29652626346543586

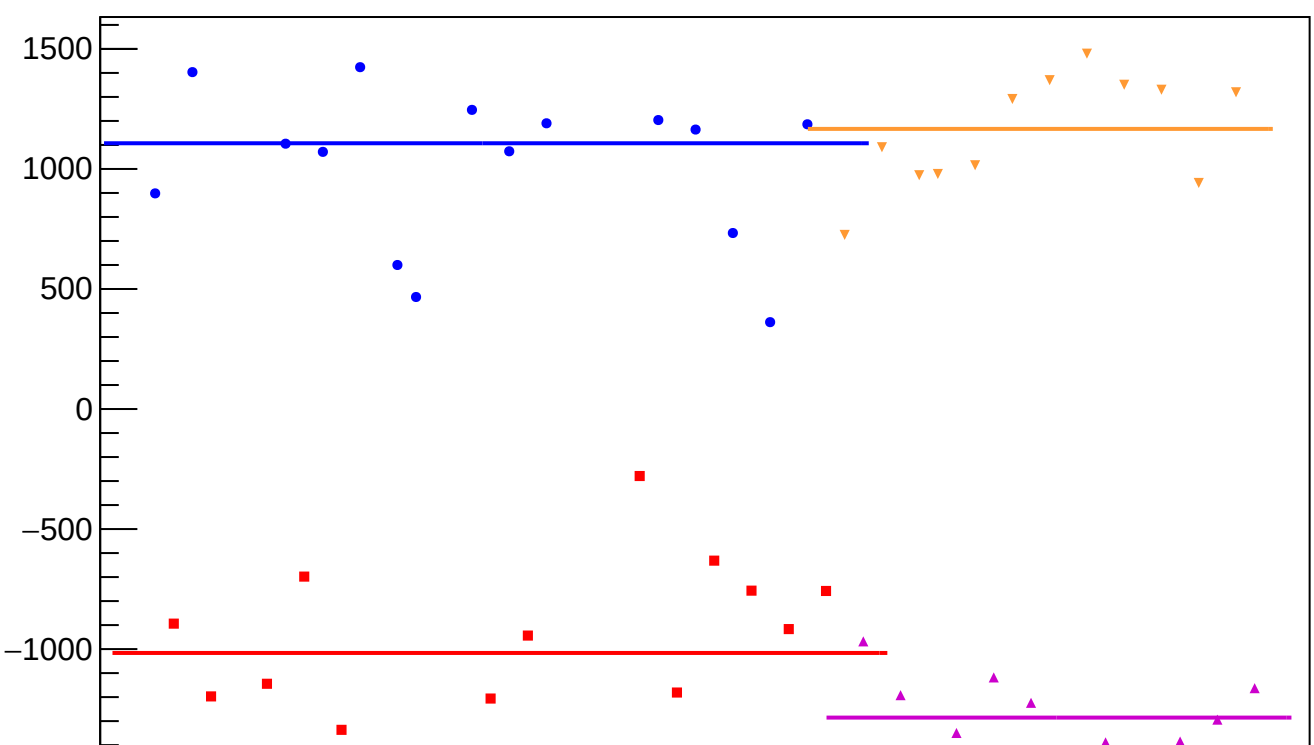
Right Out: -1.446+/-0.000 $\chi^2$/NDF: 196296653917523352443271052787712.0/15

Out: 0.078+/-0.000 $\chi^2$/NDF:292745199805556393

Left In: -1.118+/-0.000 $\chi^2$/NDF:489734969957234809118013658234 88.0/10

All: 0.034+/-0.000 $\chi^2$/NDF: 5898755931617

# dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

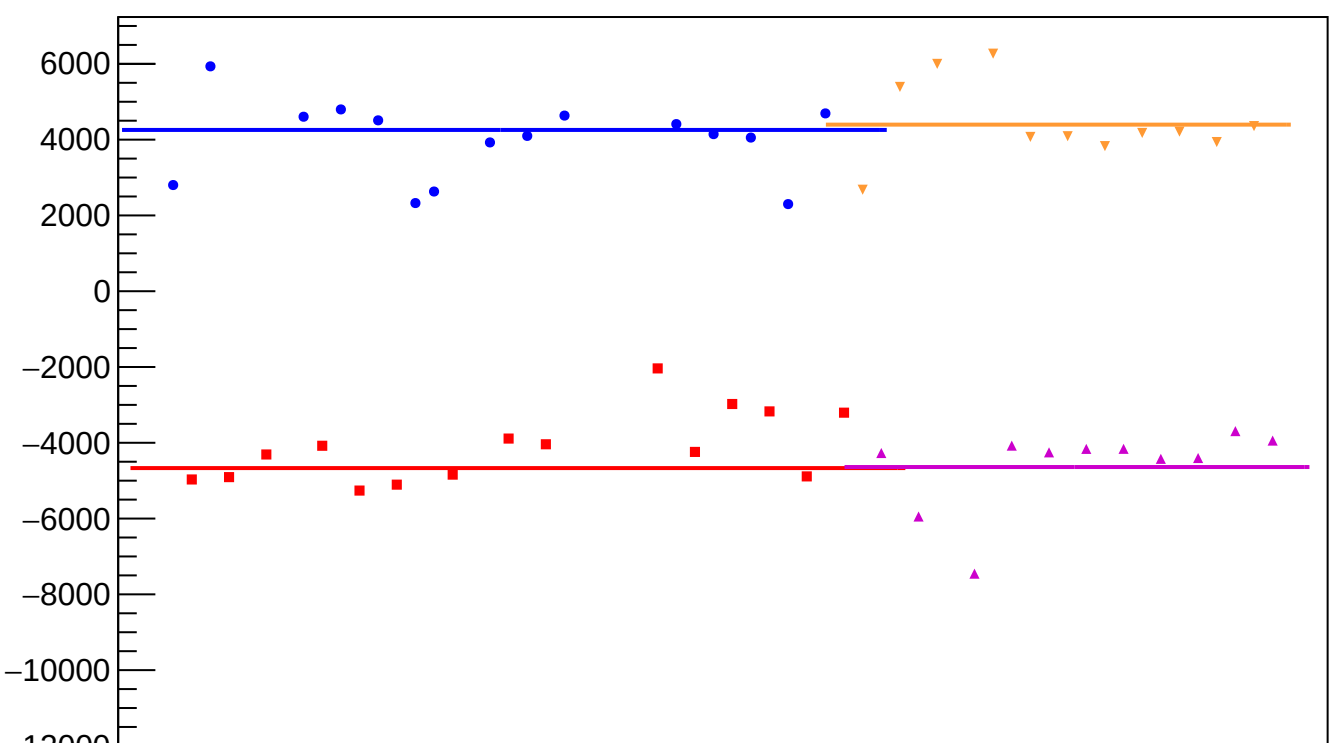
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_usl_coil4_mean vs Slug, Sign Corrected




Left: -318.161+/-0.000 $\chi^2$/NDF: 379100111885942

Right In: 4256.386+/-0.000 $\chi^2$/NDF: 4986054125516248596724549541595761868 80.0/14

Right: -266.755+/-0.000 $\chi^2$/NDF: 29897737536917

Left Out: 4396.403+/-0.000 $\chi^2$/NDF:7676863081574864401791002405526380216 32.0/10

In: -969.372+/-0.000 $\chi^2$/NDF:317287776834937 5

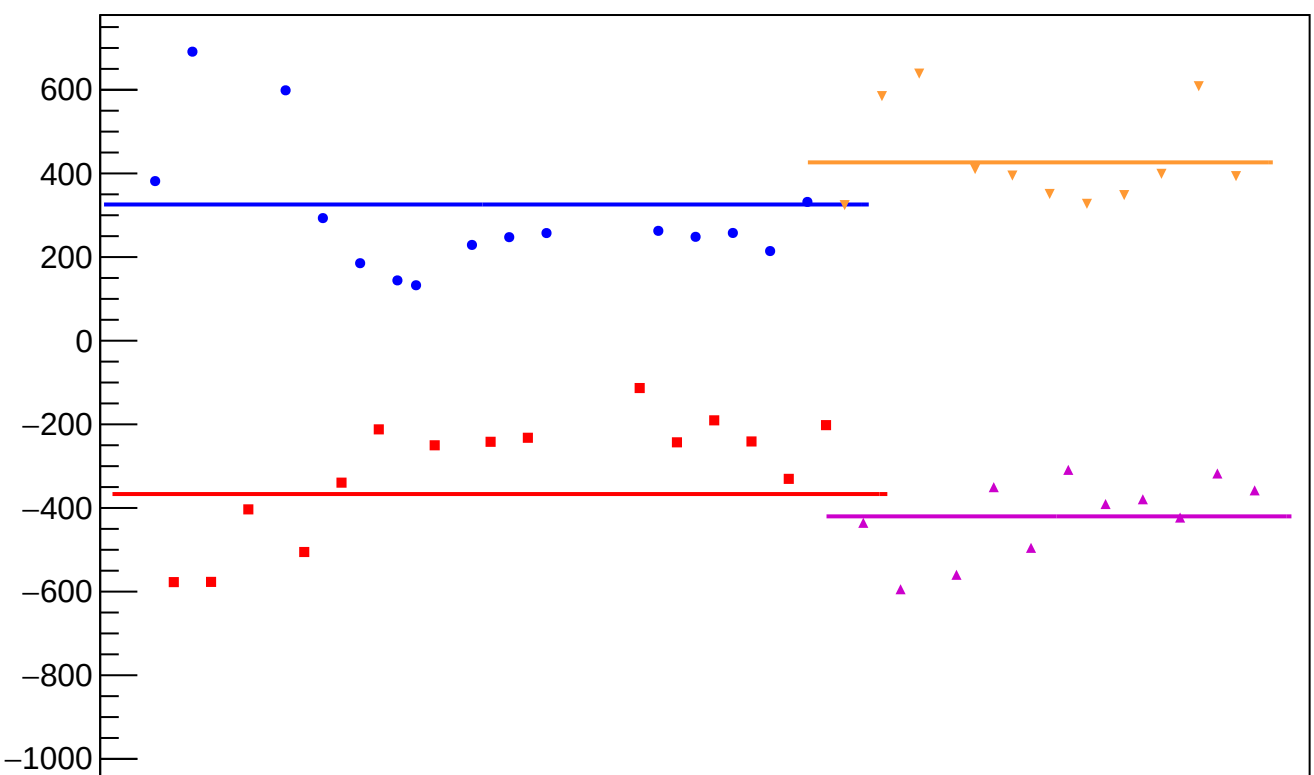
Right Out: -4667.832+/-0.000 $\chi^2$/NDF: 3201925535782807450320951772159309512704.0/15

Out: 403.111+/-0.000 $\chi^2$/NDF:3462774375230397

Left In: -4639.846+/-0.000 $\chi^2$/NDF:1058446303743243170530981239939506634752.0/10

All: -296.246+/-0.000 $\chi^2$/NDF: 6780974389 3

# dit_usl_coil4_err_mean vs Slug, Sign Corrected




Right In: 325.732+/-0.000 $\chi^2$/NDF: 1463335956794024412389724276985430016 0.0/14

Left Out: 426.446+/-0.000 $\chi^2$/NDF:9564737566607591468000084323542761472.0/10

Right Out: -366.682+/-0.000 $\chi^2$/NDF: 3209725069994795640911744011539893 4528.0/15

Left In: -420.062+/-0.000 $\chi^2$/NDF:7706514276709269263404419491802644480.0/10

Left: -15.211+/-0.000 $\chi^2$/NDF: 3339353872330959

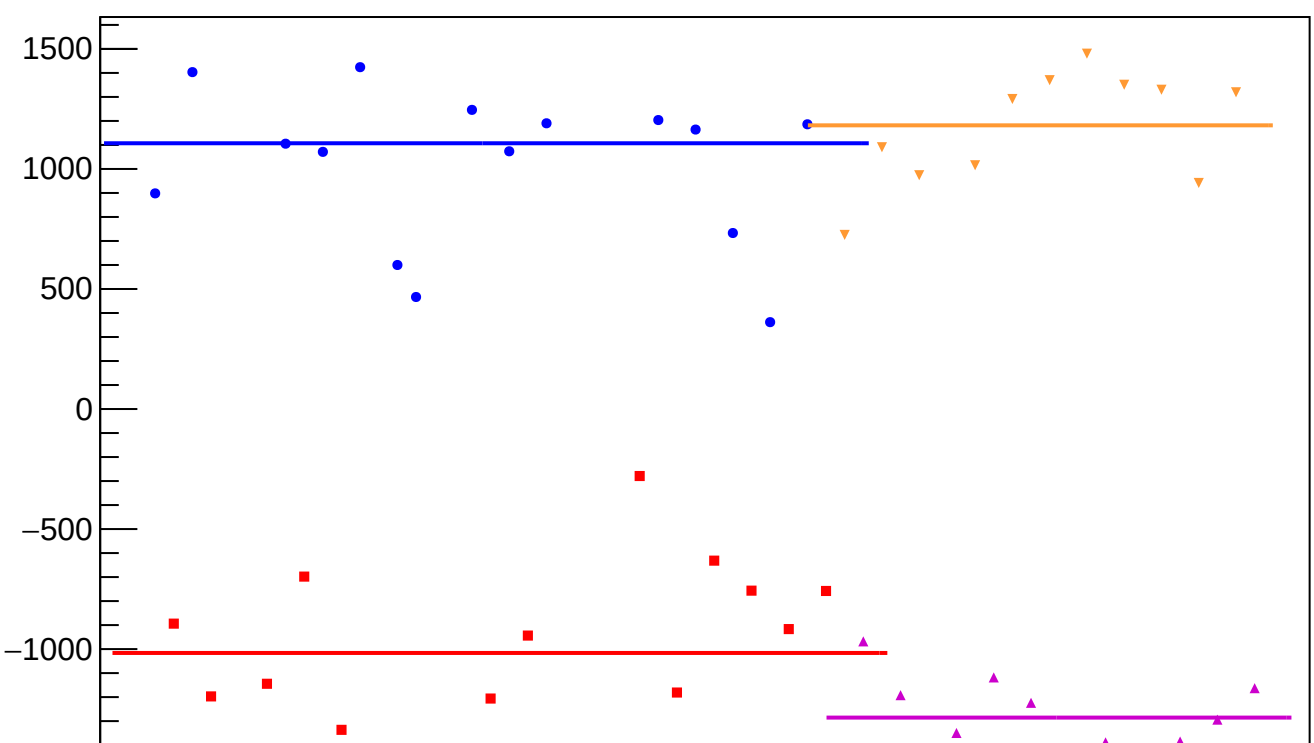
Right: -25.211+/-0.000 $\chi^2$/NDF: 204436046213041

In: -112.357+/-0.000 $\chi^2$/NDF:2343838173205561

Out: 77.029+/-0.000 $\chi^2$/NDF:2763927476523588 4

All: -19.474+/-0.000 $\chi^2$/NDF: 538446931474

# dit_usl_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -105.453+/-0.000 $\chi^2$/NDF: 275581291950548

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1181.721+/-0.000 $\chi^2$/NDF:421028838563212752568210290625090682 88.0/10

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

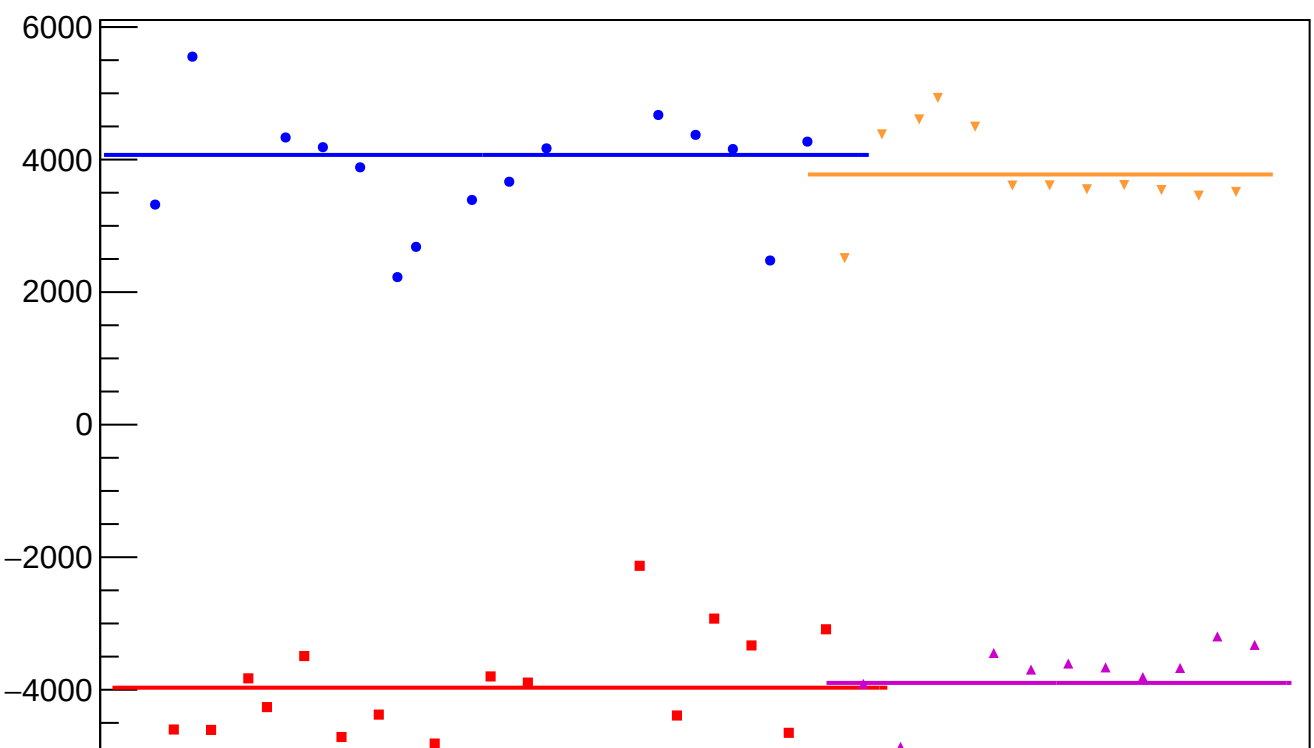
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017 1136.0/15

Out: 213.458+/-0.000 $\chi^2$/NDF:1917151568298922

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485 3376.0/10

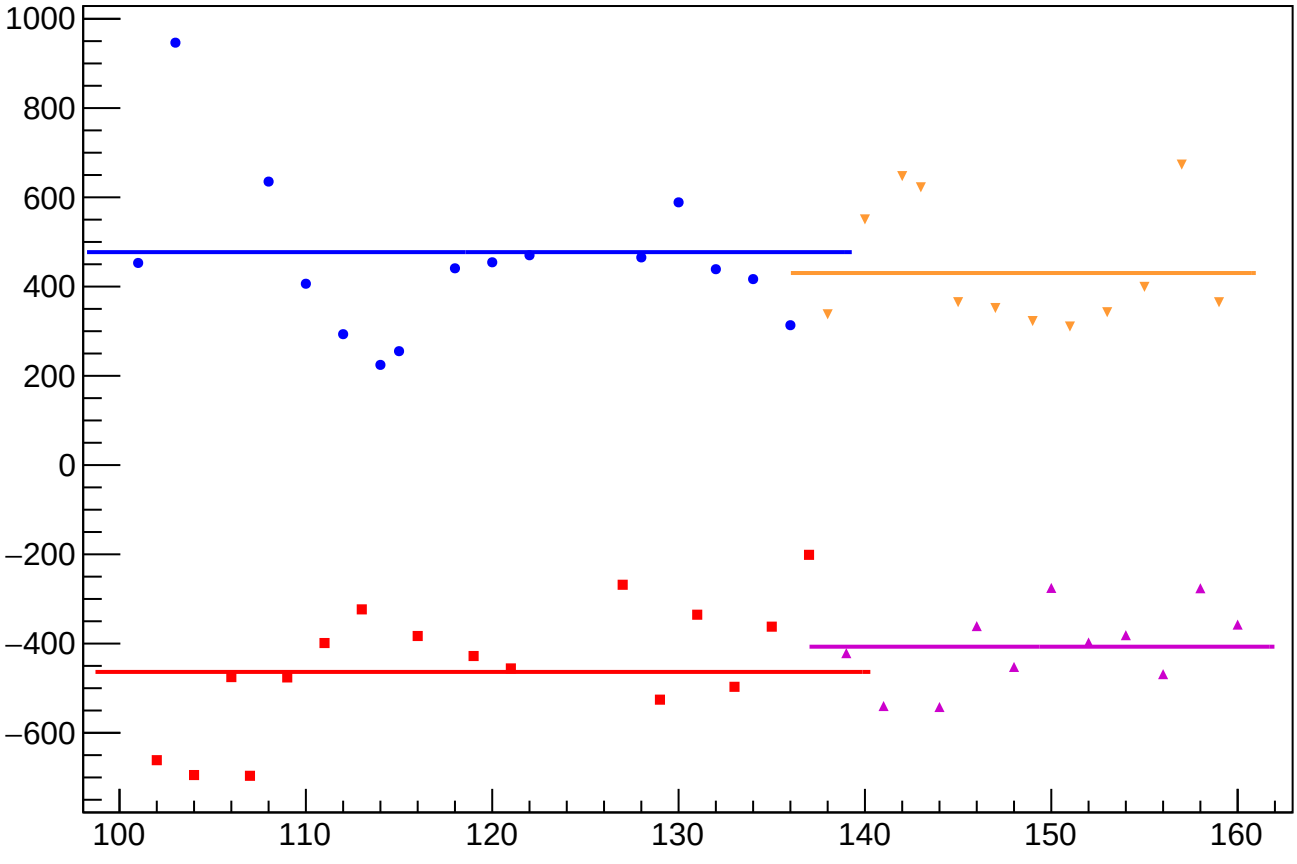
All: -47.303+/-0.000 $\chi^2$/NDF: 436585203886

# dit_usr_coil4_mean vs Slug, Sign Corrected




Left: -81.515+/-0.000 $\chi^2$/NDF: 2780391490195932
Right In: 4070.444+/-0.000 $\chi^2$/NDF: 3432818752826957399563831562952475934 72.0/14
Right: -4.119+/-0.000 $\chi^2$/NDF: 2196193539942721
Left Out: 3775.469+/-0.000 $\chi^2$/NDF:3446117374561161554415733115293720 90368.0/11
In: -609.591+/-0.000 $\chi^2$/NDF:2495492786013162
Right Out: -3968.723+/-0.000 $\chi^2$/NDF: 3599558803261947844673533694925948 84608.0/15
Out: 508.311+/-0.000 $\chi^2$/NDF:2383013038851413
Left In: -3896.757+/-0.000 $\chi^2$/NDF:4125307145846937302251302040143531 7888.0/10
All: -49.222+/-0.000 $\chi^2$/NDF: 497704442491

# dit_usr_coil4_err_mean vs Slug, Sign Corrected




Left: 9.420+/-0.000 $\chi^2$/NDF: 344329492492659373

Right In: 477.186+/-0.000 $\chi^2$/NDF: 204557199317583799788926051849747824 64.0/14

Right: 0.404+/-0.000 $\chi^2$/NDF: 3240949272651964 5

Left Out: 430.385+/-0.000 $\chi^2$/NDF:1512486318706351591677550060216778752 0.0/11

In: -42.190+/-0.000 $\chi^2$/NDF:3255038316808342 9

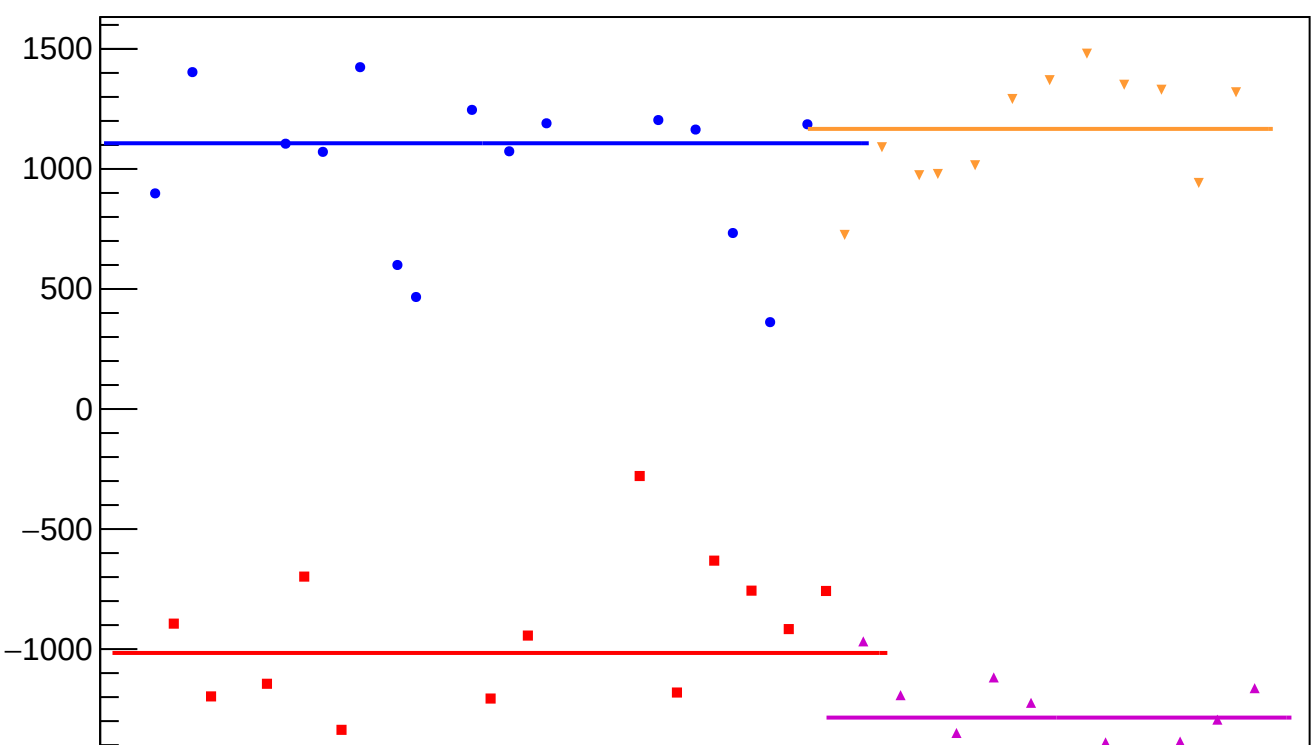
Right Out: -463.513+/-0.000 $\chi^2$/NDF: 1255677793106990337003183238818457190 4.0/15

Out: 53.263+/-0.000 $\chi^2$/NDF:335798727770619 70

Left In: -406.990+/-0.000 $\chi^2$/NDF:7014219134688394471330081136711827456.0/10

All: 5.658+/-0.000 $\chi^2$/NDF: 6684867613361 8

# dit_usr_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

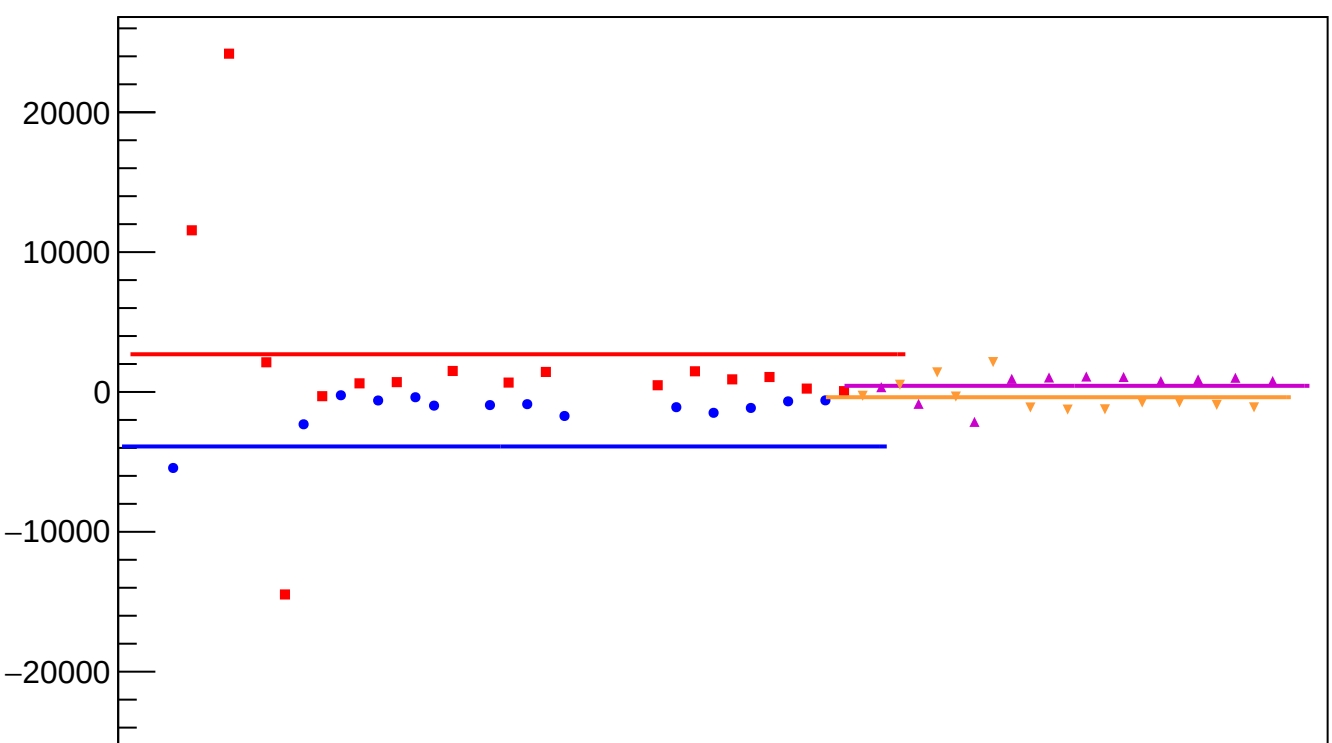
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

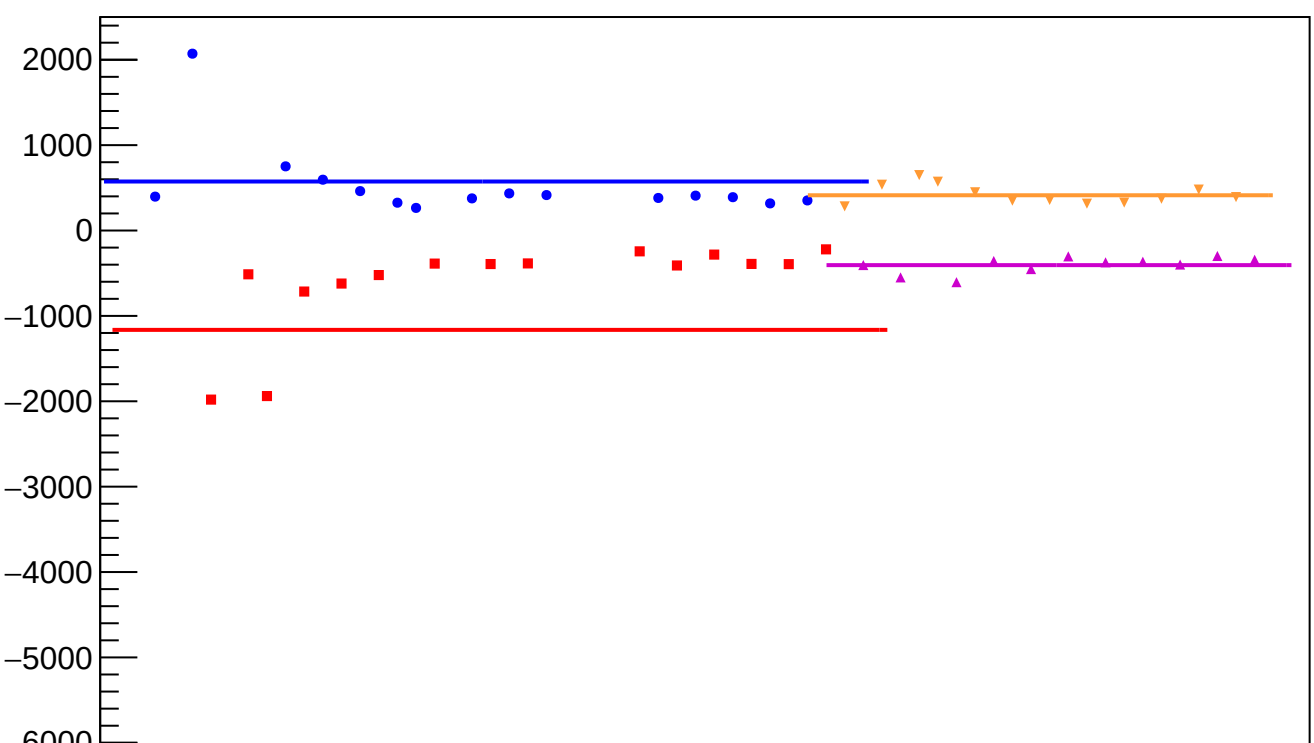
All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_atl1_coil4_mean vs Slug, Sign Corrected



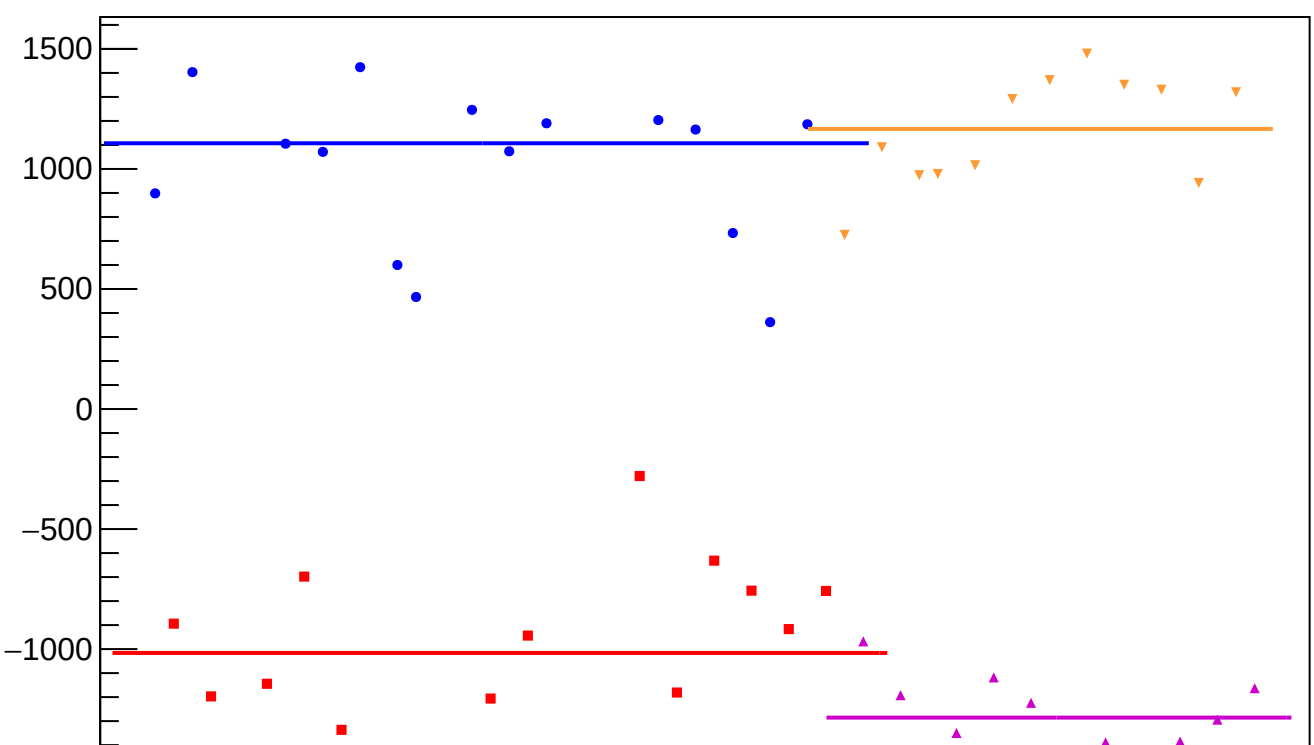

Left: 34.146+/-0.000 $\chi^2$/NDF: 2184653590245034
Right In: -3896.522+/-0.000 $\chi^2$/NDF: 396185985164810204482484406700129847869 44.0/14
Right: -555.179+/-0.000 $\chi^2$/NDF: 94737135323081
Left Out: -375.430+/-0.000 $\chi^2$/NDF:958630071854954411455962799285737619456.0/11
In: -1349.612+/-0.000 $\chi^2$/NDF:4770648635560 85
Right Out: 2695.992+/-0.000 $\chi^2$/NDF: 408224630714623521242120583865917295820 80.0/15
Out: 920.357+/-0.000 $\chi^2$/NDF:4541872793007468
Left In: 439.289+/-0.000 $\chi^2$/NDF:921031566733723872829454078558930468864.0/10
All: -211.749+/-0.000 $\chi^2$/NDF: 9718813734 4

# dit_atl1_coil4_err_mean vs Slug, Sign Corrected




Left: 1.597+/-0.000 $\chi^2$/NDF: 32522110250256488
Right In: 574.055+/-0.000 $\chi^2$/NDF: 1521052298891604230184937095823905259 52.0/14
Right: -306.705+/-0.000 $\chi^2$/NDF: 31486221730071
Left Out: 413.017+/-0.000 $\chi^2$/NDF:937979680238570400350831723874877 4400.0/11
In: -1.272+/-0.000 $\chi^2$/NDF:52590706013757462 0
Right Out: -1163.697+/-0.000 $\chi^2$/NDF: 2003194396475465337190154787515183136768.0/15
Out: -252.175+/-0.000 $\chi^2$/NDF:297119265978560
Left In: -405.371+/-0.000 $\chi^2$/NDF:8096374045117906535343483577494929408.0/10
All: -127.041+/-0.000 $\chi^2$/NDF: 3546737232 5

# dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

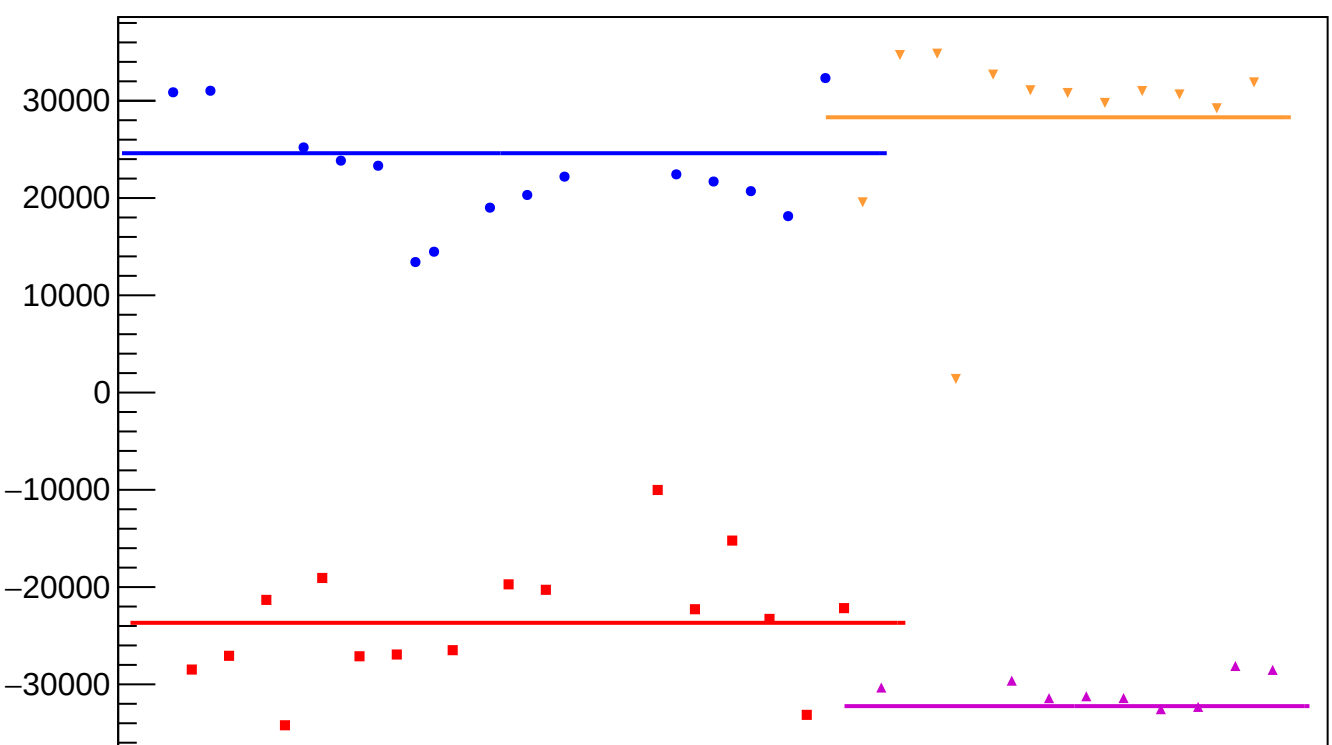
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_atl2_coil4_mean vs Slug, Sign Corrected




Left: -2133.166+/-0.000 $\chi^2$/NDF: 17608276129881

Right In: 24608.761+/-0.000 $\chi^2$/NDF: 1755560042714070178763675908416726892544 0.0/14

Right: 137.211+/-0.000 $\chi^2$/NDF: 809207355903527

Left Out: 28302.359+/-0.000 $\chi^2$/NDF:647439605765260731478527893268239346565 12.0/11

In: -8784.508+/-0.000 $\chi^2$/NDF:126151138901902

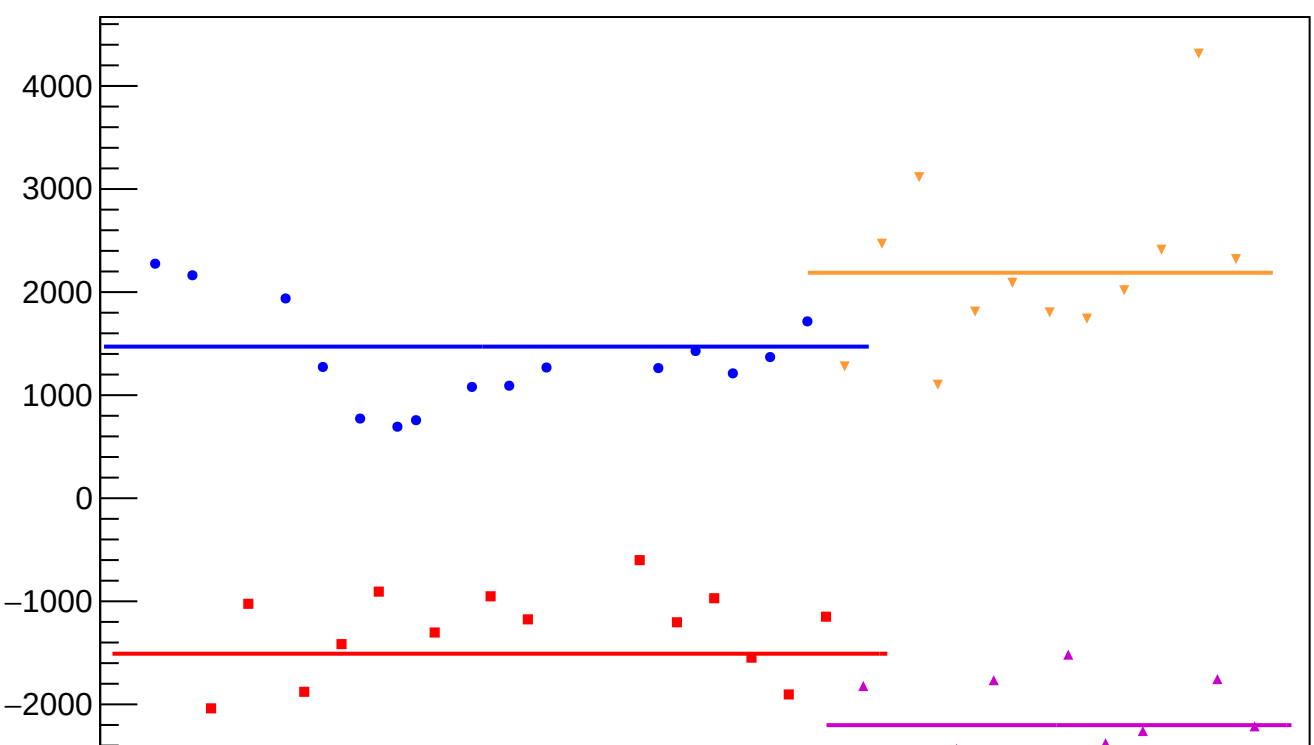
Right Out: -23673.937+/-0.000 $\chi^2$/NDF: 2482422934482756731362487167729534186291 2.0/15

Out: 6374.346+/-0.000 $\chi^2$/NDF:113128775072899

Left In: -32239.303+/-0.000 $\chi^2$/NDF:119313978756631771428128299988035410329 60.0/10

All: -1185.856+/-0.000 $\chi^2$/NDF: 2573988051

# dit_atl2_coil4_err_mean vs Slug, Sign Corrected




Right In: 1471.095+/-0.000 $\chi^2$/NDF: 1391749794204678410738941679564520161 28.0/14

Left Out: 2188.131+/-0.000 $\chi^2$/NDF:5938585160905351867022075216408241766 40.0/11

Right Out: -1508.451+/-0.000 $\chi^2$/NDF: 2500851637704250506057634469857156 13696.0/15

Left In: -2201.571+/-0.000 $\chi^2$/NDF:1569291241796909306190302290979627991 04.0/10

Left: -18.662+/-0.000 $\chi^2$/NDF: 9604851757835687

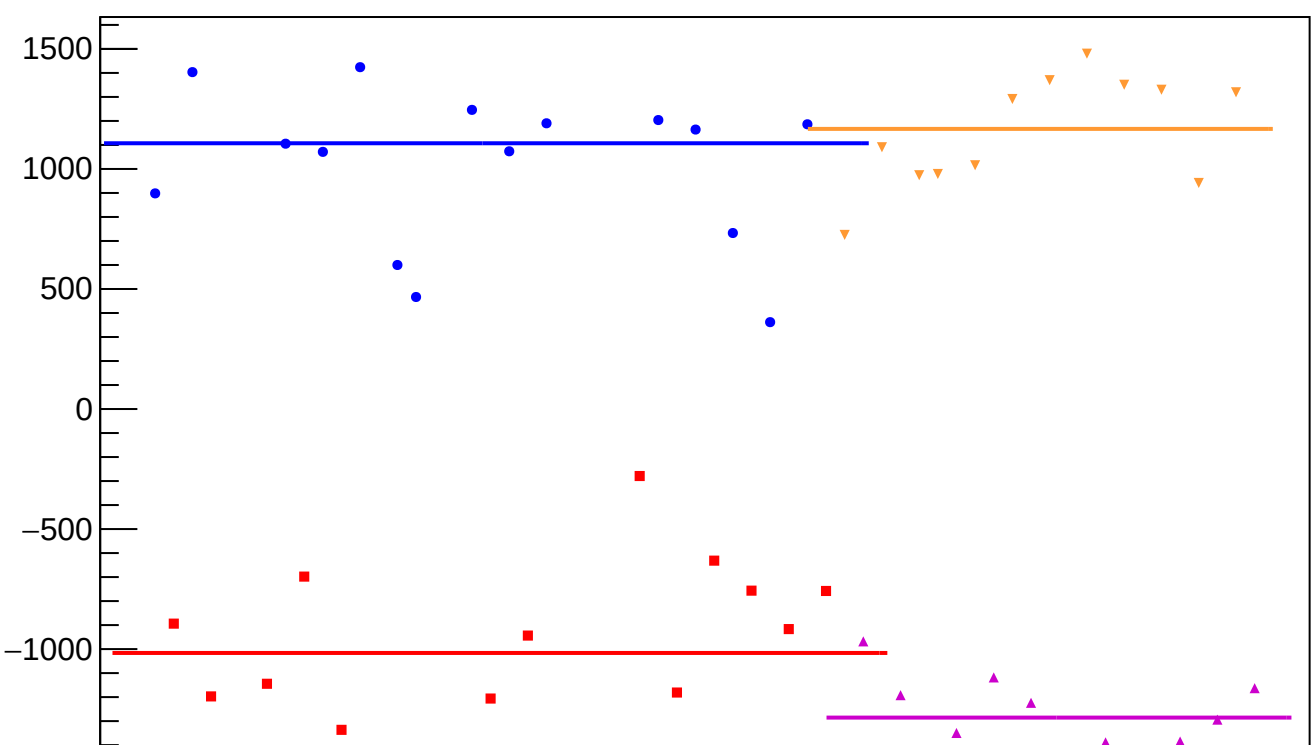
Right: -39.055+/-0.000 $\chi^2$/NDF: 3309473445481991

In: -686.275+/-0.000 $\chi^2$/NDF:5438324784011715

Out: 628.599+/-0.000 $\chi^2$/NDF:6113094829757836

All: -27.171+/-0.000 $\chi^2$/NDF: 129146441419

# dit_atl2_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

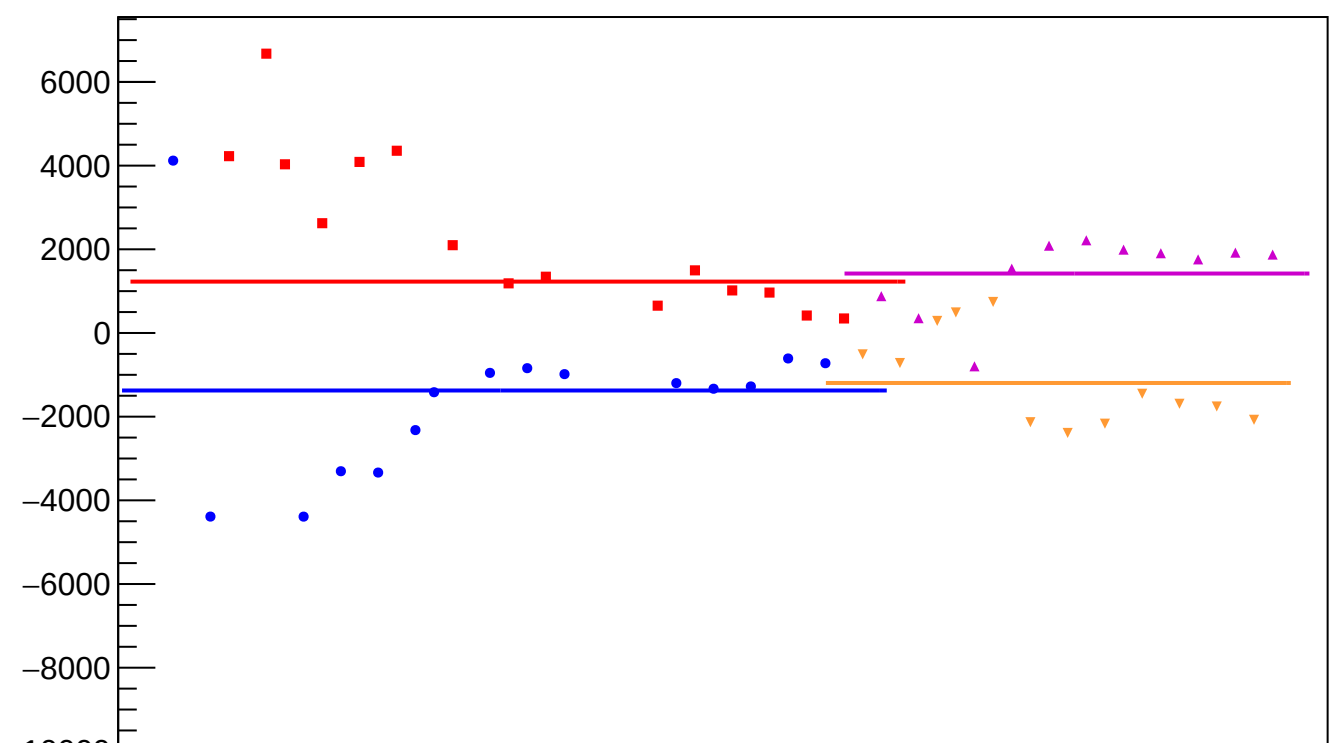
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_atr1_coil4_mean vs Slug, Sign Corrected




Left: 120.030+/-0.000 $\chi^2$/NDF: 4904926728039627

Right In: -1374.510+/-0.000 $\chi^2$/NDF: 3072775774026573120755024580495322120192.0/14

Right: -55.518+/-0.000 $\chi^2$/NDF: 1641580107615579

Left Out: -1194.978+/-0.000 $\chi^2$/NDF:10129821643437356447212965830585934151 68.0/11

In: 267.494+/-0.000 $\chi^2$/NDF:67996212905624210

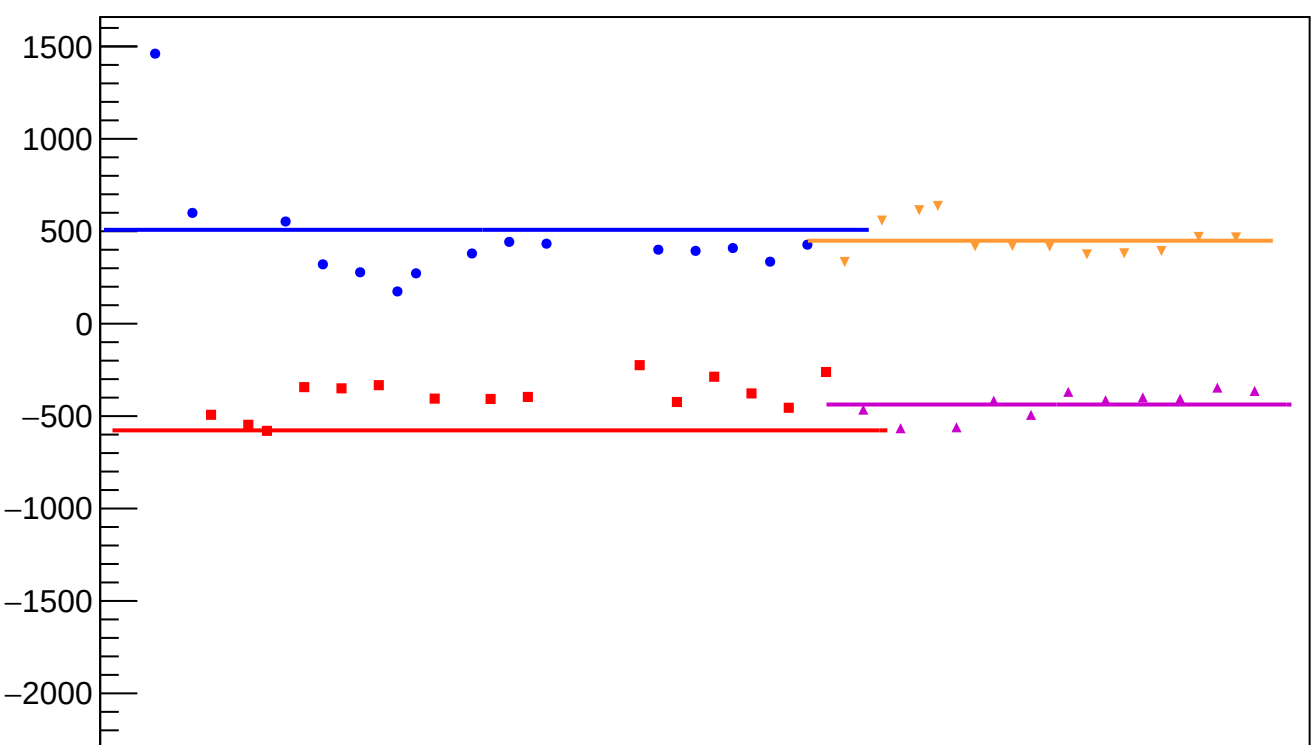
Right Out: 1227.879+/-0.000 $\chi^2$/NDF: 111153129999266233964664502184486224527 36.0/15

Out: -172.811+/-0.000 $\chi^2$/NDF:143918754957920

Left In: 1420.806+/-0.000 $\chi^2$/NDF:74798708578592016263791693221736113766 4.0/10

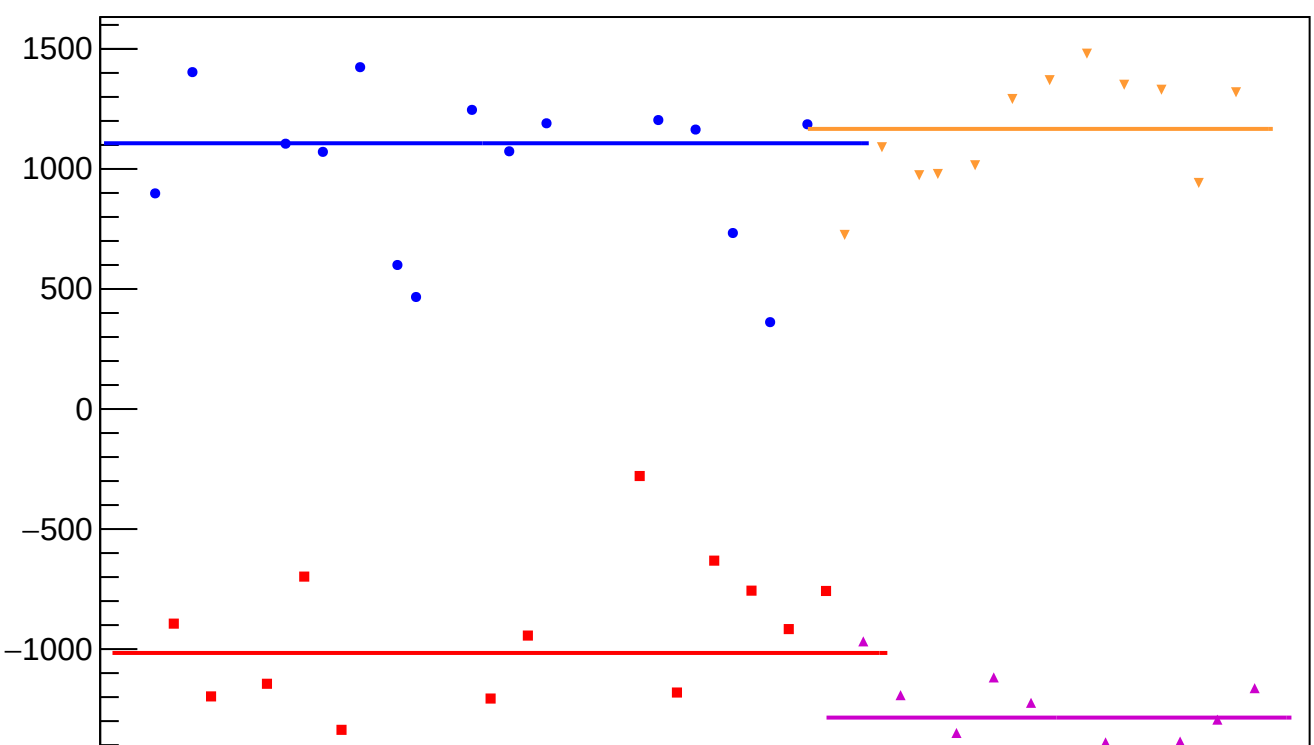
All: 46.783+/-0.000 $\chi^2$/NDF: 2134436142325

# dit_atr1_coil4_err_mean vs Slug, Sign Corrected




Left: 3.384+/-0.000 $\chi^2$/NDF: 372721142857858509
Right In: 507.809+/-0.000 $\chi^2$/NDF: 641399279684440545968596134682207191 04.0/14
Right: -42.141+/-0.000 $\chi^2$/NDF: 692705775128653
Left Out: 448.905+/-0.000 $\chi^2$/NDF:697244496904172592974411149414812876 8.0/11
In: -47.369+/-0.000 $\chi^2$/NDF:40955291948460460
Right Out: -577.250+/-0.000 $\chi^2$/NDF: 241288780642623391683958641535574081536.0/15
Out: 15.985+/-0.000 $\chi^2$/NDF:6542986018799037 5
Left In: -437.315+/-0.000 $\chi^2$/NDF:48746775249687422755607612939860705 28.0/10
All: -15.611+/-0.000 $\chi^2$/NDF: 106701634148

# dit_atr1_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

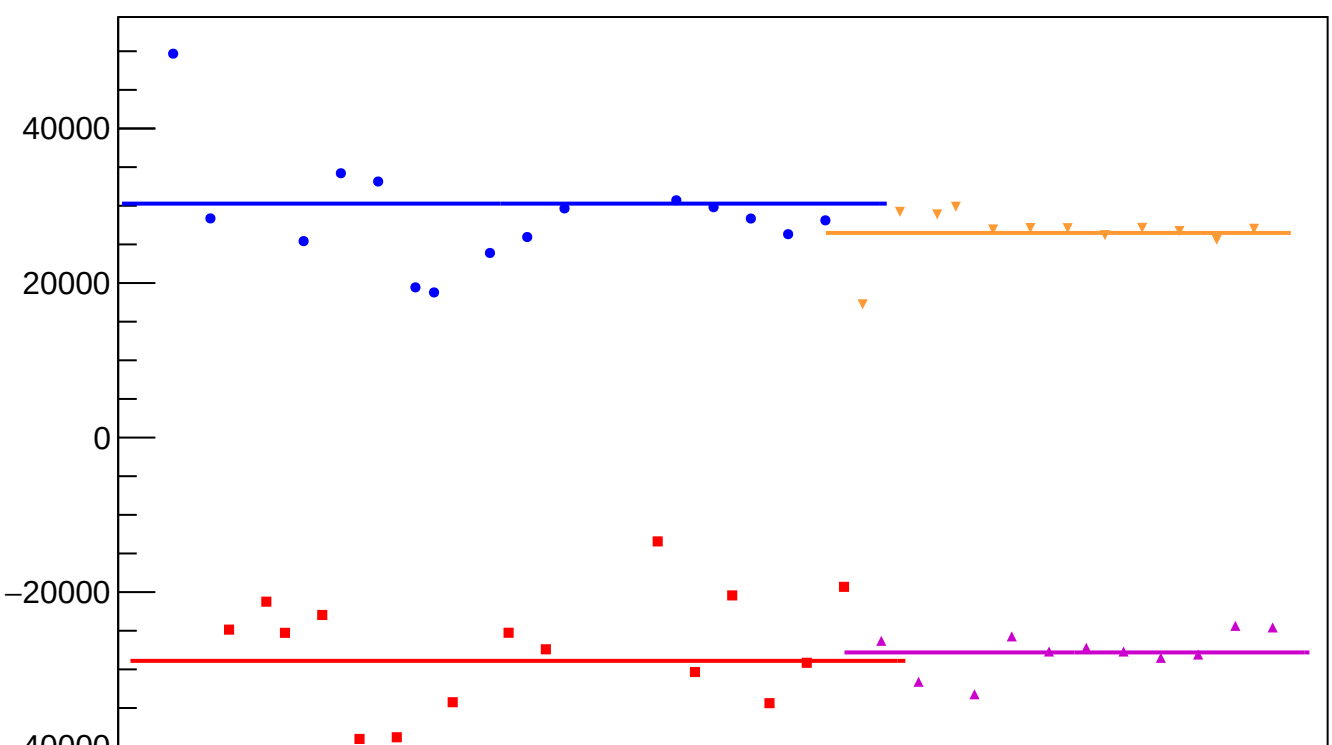
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_atr2_coil4_mean vs Slug, Sign Corrected




Left: -807.954+/-0.000 $\chi^2$/NDF: 136920382018106

Right In: 30277.649+/-0.000 $\chi^2$/NDF: 309759746415241424530900225407605192785 92.0/14

Right: 285.980+/-0.000 $\chi^2$/NDF: 122974265906167

Left Out: 26486.725+/-0.000 $\chi^2$/NDF:852099348334098742913175071703588405248 0.0/11

In: -3842.144+/-0.000 $\chi^2$/NDF:132338595511608

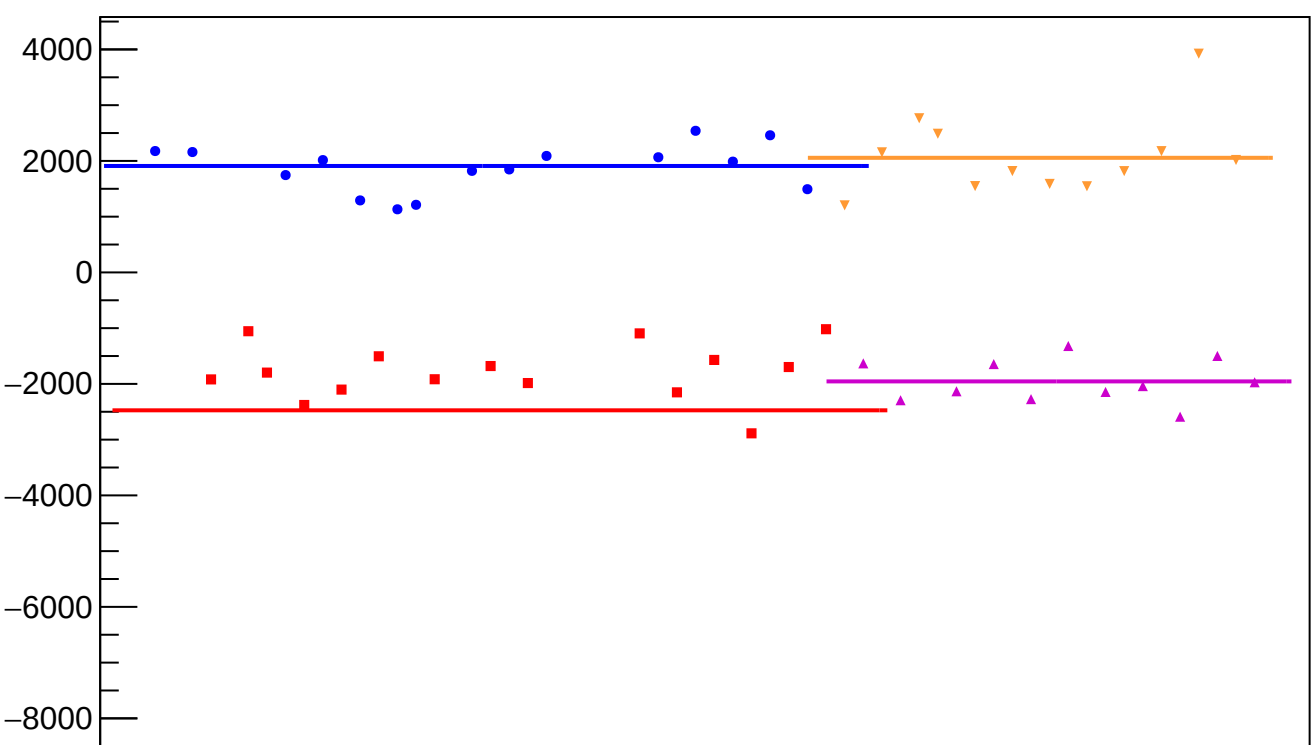
Right Out: -28896.318+/-0.000 $\chi^2$/NDF: 469695040580103591462505602284097141473 28.0/15

Out: 3121.457+/-0.000 $\chi^2$/NDF:123824278408227

Left In: -27807.237+/-0.000 $\chi^2$/NDF:619305862021989967883513981580364218368 0.0/10

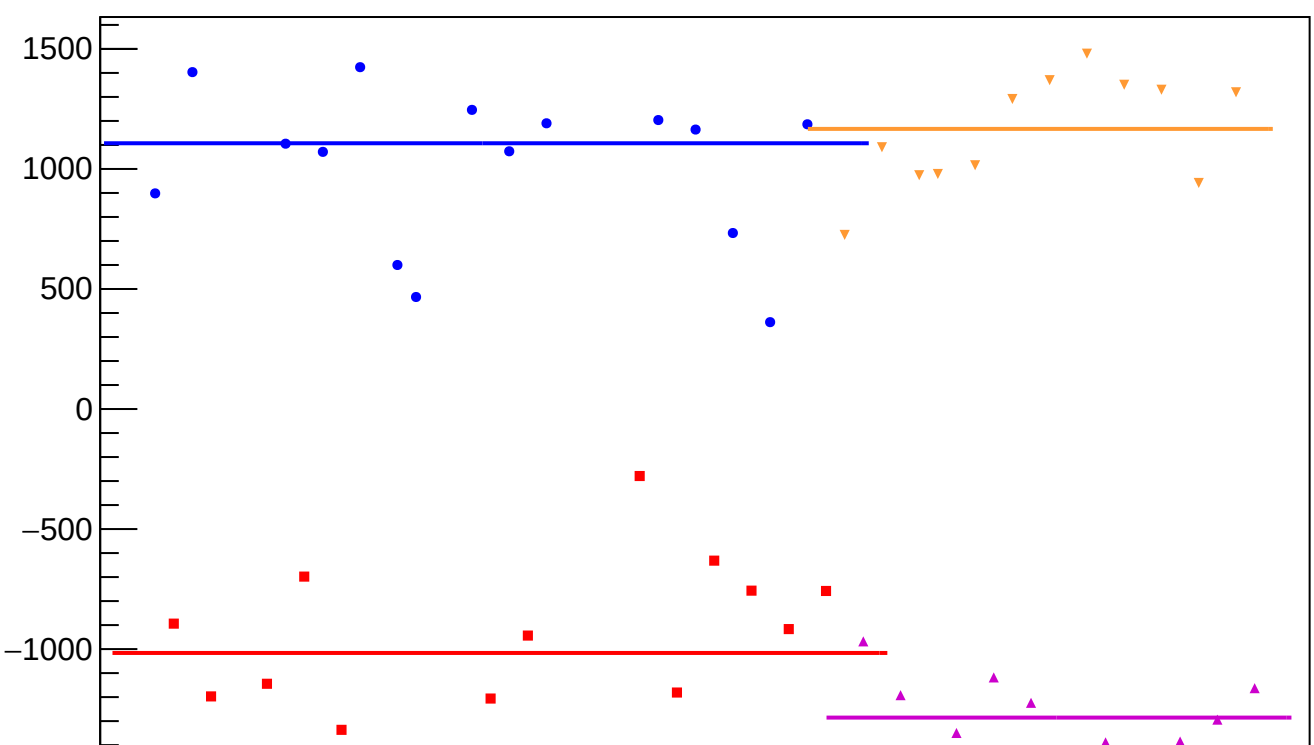
All: -351.512+/-0.000 $\chi^2$/NDF: 25998642244

# dit_atr2_coil4_err_mean vs Slug, Sign Corrected




Left: 39.326+/-0.000 $\chi^2$/NDF: 7957562789536415
Right In: 1909.434+/-0.000 $\chi^2$/NDF: 876369740942116715241776501658694451 20.0/14
Right: -312.249+/-0.000 $\chi^2$/NDF: 94418650101321
Left Out: 2055.788+/-0.000 $\chi^2$/NDF:438010168588723075505721290768963862528.0/11
In: -360.767+/-0.000 $\chi^2$/NDF:5908709241409238
Right Out: -2473.977+/-0.000 $\chi^2$/NDF: 303390802574641812173875328660038641 2544.0/15
Out: 144.749+/-0.000 $\chi^2$/NDF:113840153379649 7
Left In: -1955.312+/-0.000 $\chi^2$/NDF:126909052383838166035294082177347616768.0/10
All: -107.368+/-0.000 $\chi^2$/NDF: 17494221106

# dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

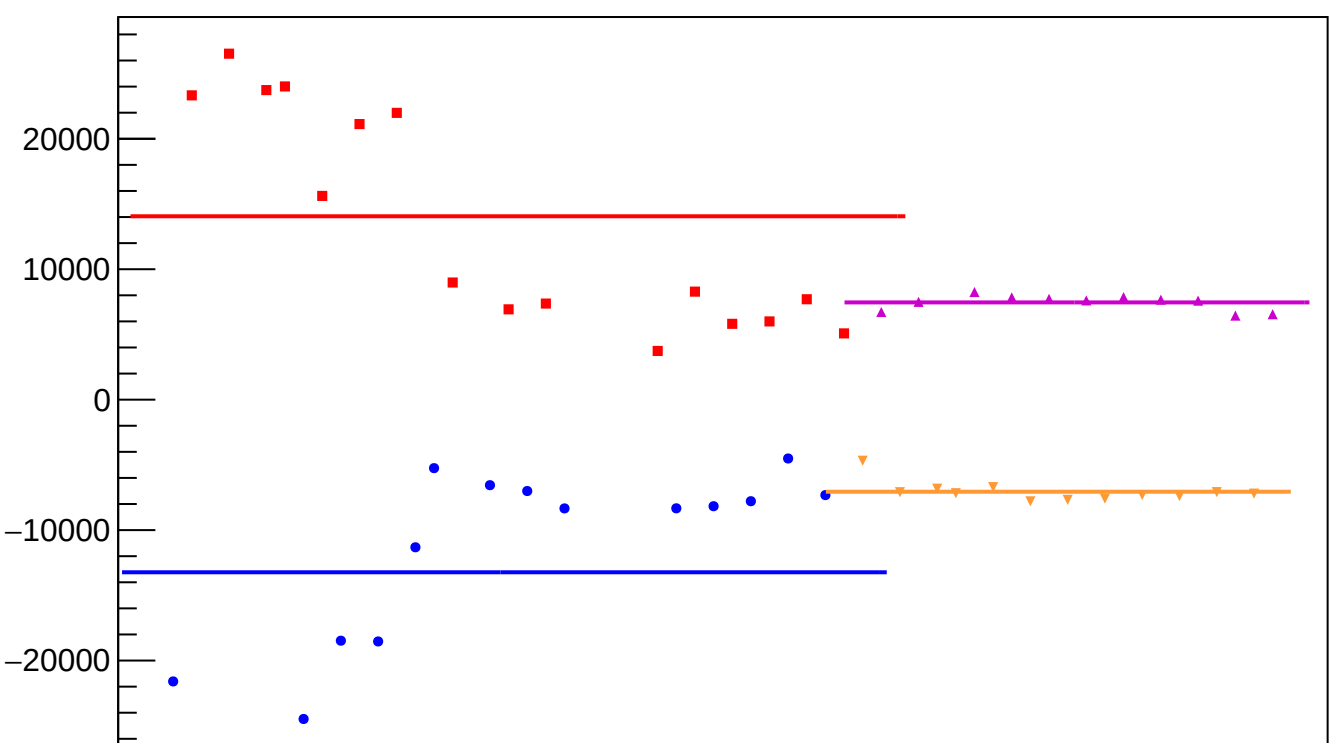
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_sam1_coil4_mean vs Slug, Sign Corrected




Left: 238.790+/-0.000 $\chi^2$/NDF: 9764033800523105

Right In: -13233.367+/-0.000 $\chi^2$/NDF: 412570438362130433675968665594996405043 20.0/14

Right: 600.026+/-0.000 $\chi^2$/NDF: 330784909470012

Left Out: -7057.509+/-0.000 $\chi^2$/NDF:5670227682900268361867951185690215055 36.0/11

In: -1080.099+/-0.000 $\chi^2$/NDF:204729341611961

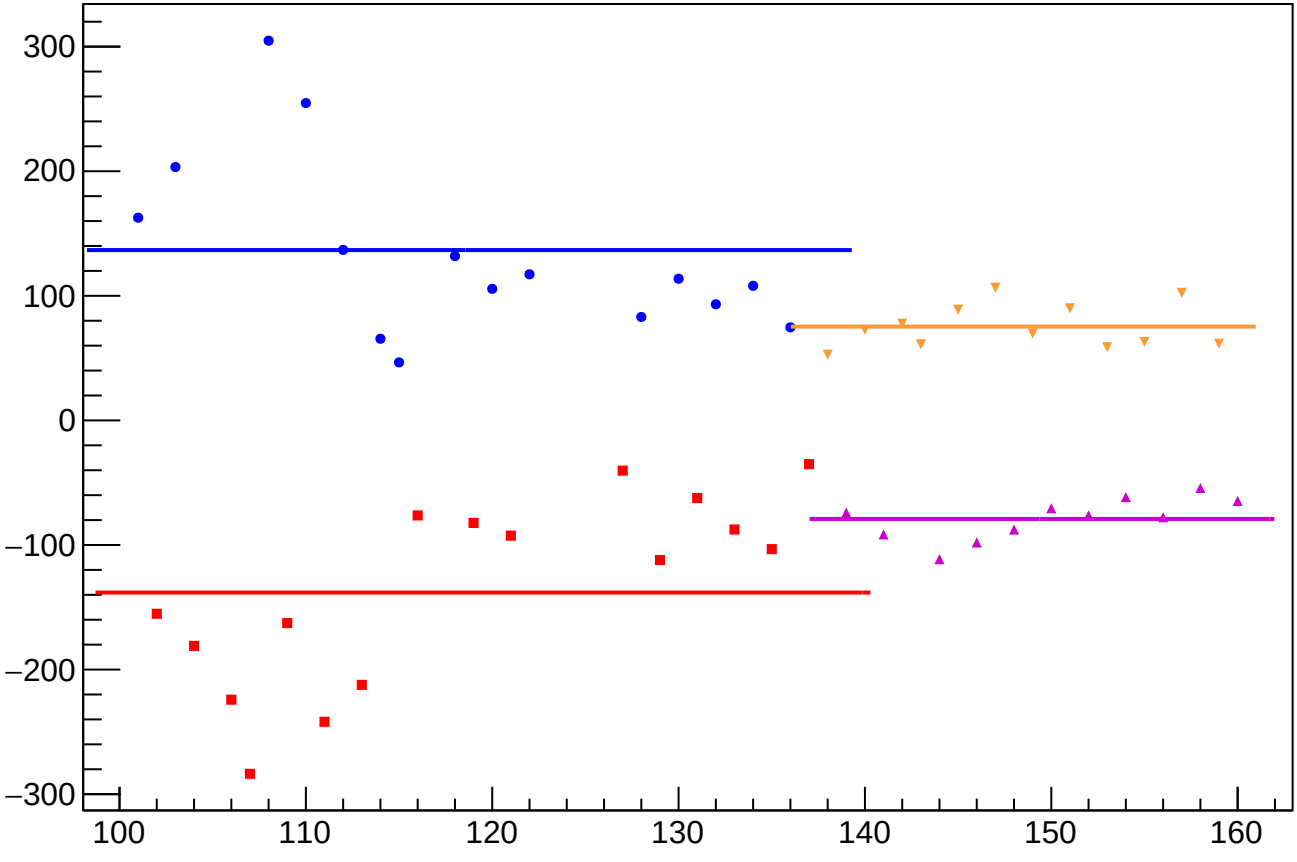
Right Out: 14060.103+/-0.000 $\chi^2$/NDF: 444905947542801617664055569157113868451 84.0/15

Out: 1851.692+/-0.000 $\chi^2$/NDF:217018548162785

Left In: 7456.124+/-0.000 $\chi^2$/NDF:284554324589778558842129447316923351040.0/10

All: 389.515+/-0.000 $\chi^2$/NDF: 42852532173 5

# dit_sam1_coil4_err_mean vs Slug, Sign Corrected




Left: -2.328+/-0.000 $\chi^2$/NDF: 11465996409891891

Right In: 136.711+/-0.000 $\chi^2$/NDF: 2687065030885227126291764267456659456.0/14

Right: -2.614+/-0.000 $\chi^2$/NDF: 3077400704218916

Left Out: 75.280+/-0.000 $\chi^2$/NDF:2715652302917152582231842338373632 00.0/11

In: 9.943+/-0.000 $\chi^2$/NDF:206859679115450716

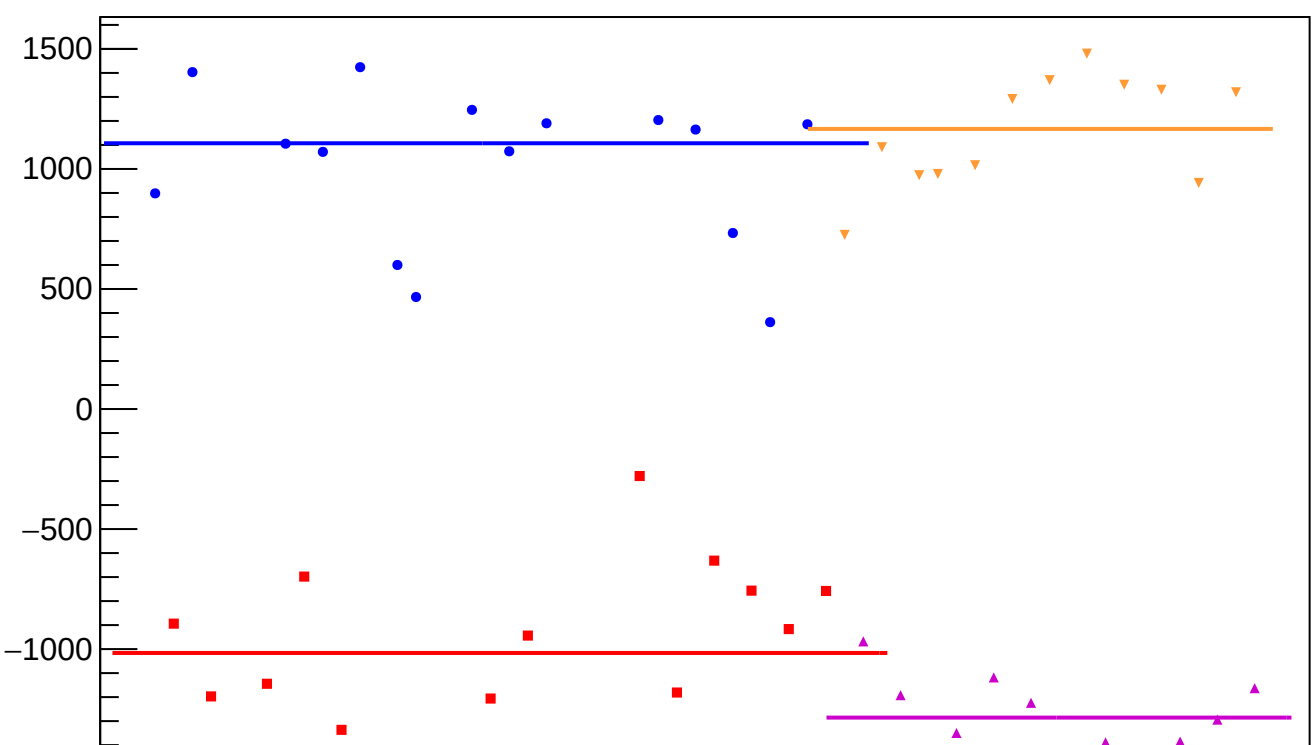
Right Out: -138.179+/-0.000 $\chi^2$/NDF: 323088335287863633464161356189846 7328.0/15

Out: -14.775+/-0.000 $\chi^2$/NDF:2107233052694088

Left In: -79.096+/-0.000 $\chi^2$/NDF:2439753422181147683262707808096747 52.0/10

All: -2.448+/-0.000 $\chi^2$/NDF: 4224006616846

# dit_sam1_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

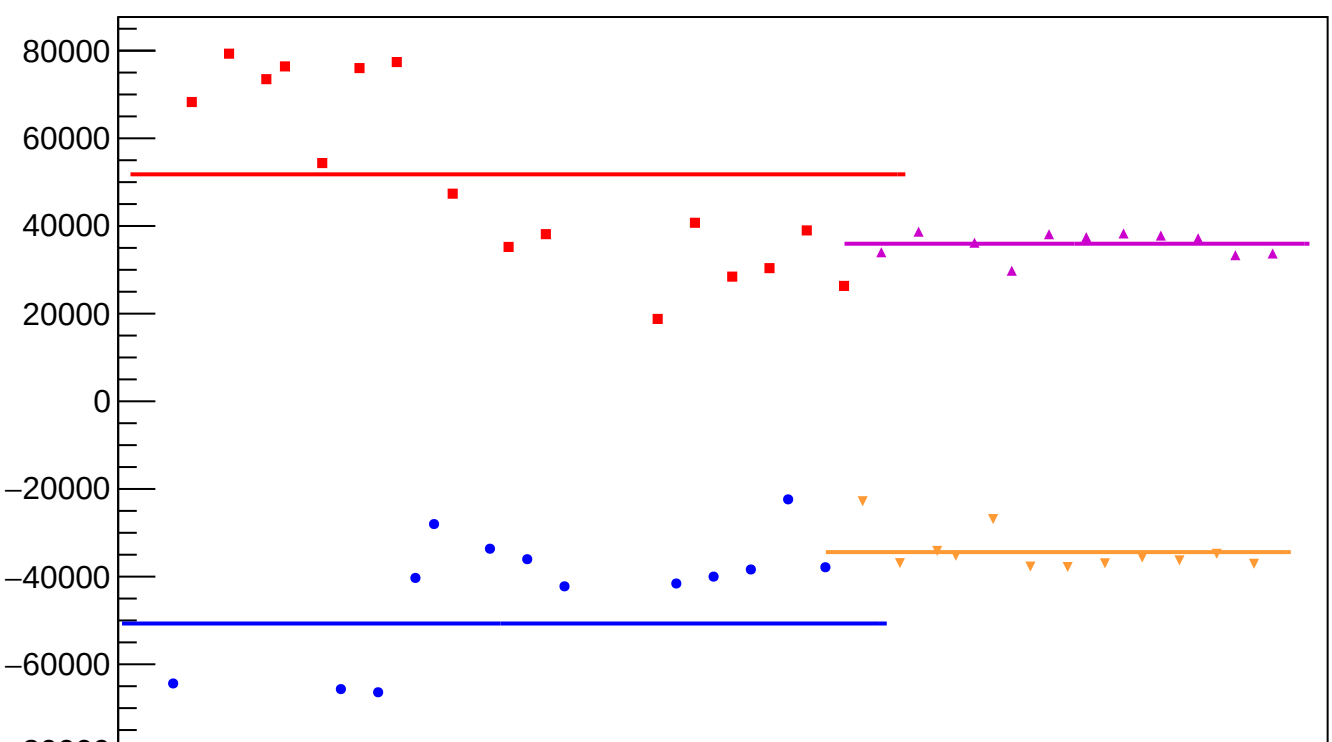
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_sam2_coil4_mean vs Slug, Sign Corrected




Left: 963.890+/-0.000 $\chi^2$/NDF: 2299689310411856

Right In: -50695.424+/-0.000 $\chi^2$/NDF: 22661358525390857668307776113218835552665 6.0/14

Right: 1245.090+/-0.000 $\chi^2$/NDF: 39629195371379

Left Out: -34404.656+/-0.000 $\chi^2$/NDF:188200072264428982560548394498558200381 44.0/11

In: 200.989+/-0.000 $\chi^2$/NDF:30951900584449410

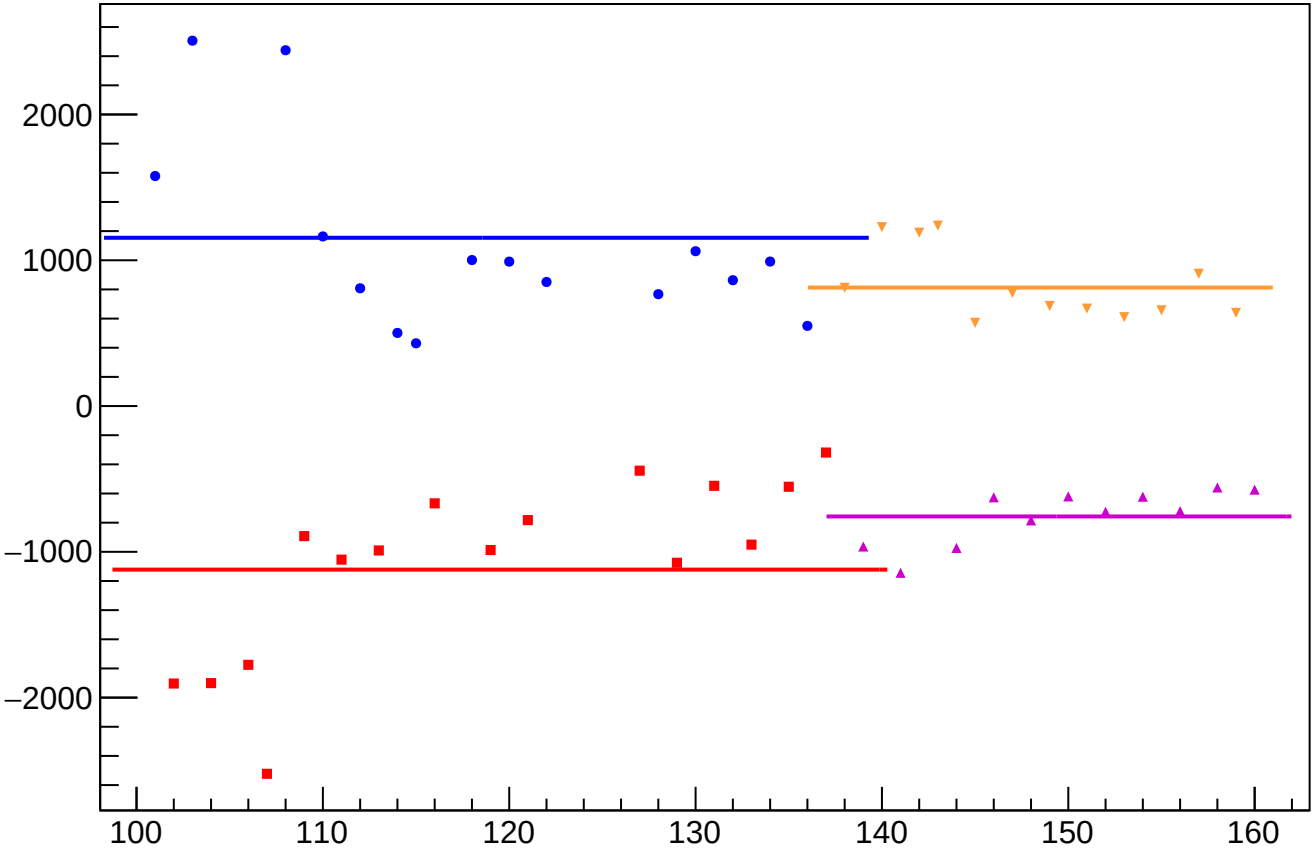
Right Out: 51783.912+/-0.000 $\chi^2$/NDF: 281789617729131996271154198472617478848512.0/15

Out: 1956.998+/-0.000 $\chi^2$/NDF:316504805338211

Left In: 35949.660+/-0.000 $\chi^2$/NDF:653577780615223244181583213059669963571 2.0/10

All: 1081.220+/-0.000 $\chi^2$/NDF: 6262669489

# dit_sam2_coil4_err_mean vs Slug, Sign Corrected




Left: 23.438+/-0.000 $\chi^2$/NDF: 1212663620352067

Right In: 1154.331+/-0.000 $\chi^2$/NDF: 2492704725634707032327379103946673120 0.0/14

Right: 0.631+/-0.000 $\chi^2$/NDF: 2179785627897997 3

Left Out: 812.768+/-0.000 $\chi^2$/NDF:4886915095318783431292348301574982860 8.0/11

In: 31.386+/-0.000 $\chi^2$/NDF:1673522645292724 97

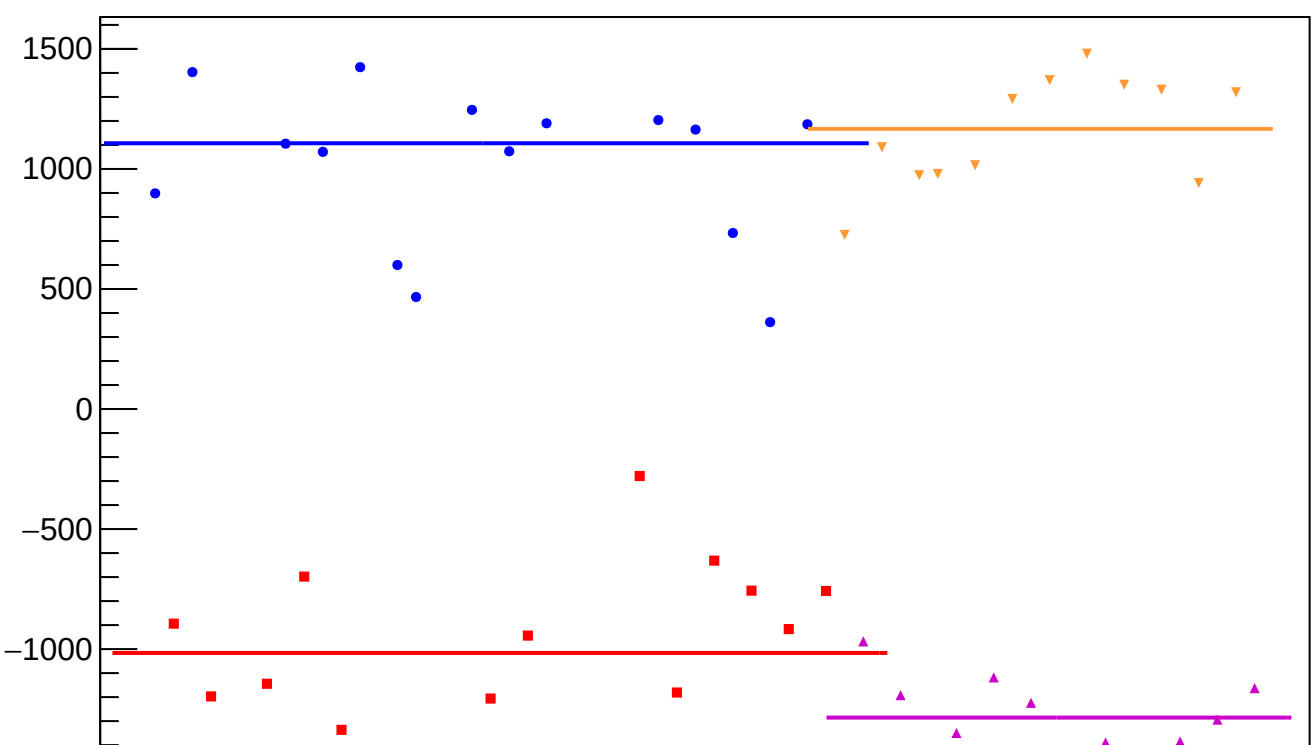
Right Out: -1121.934+/-0.000 $\chi^2$/NDF: 2261593356395673381798116440027976171 52.0/15

Out: -3.453+/-0.000 $\chi^2$/NDF:1718368472550401 6

Left In: -757.349+/-0.000 $\chi^2$/NDF:3103655749085336217336361224182851174 4.0/10

All: 13.922+/-0.000 $\chi^2$/NDF: 3392848168342

# dit_sam2_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

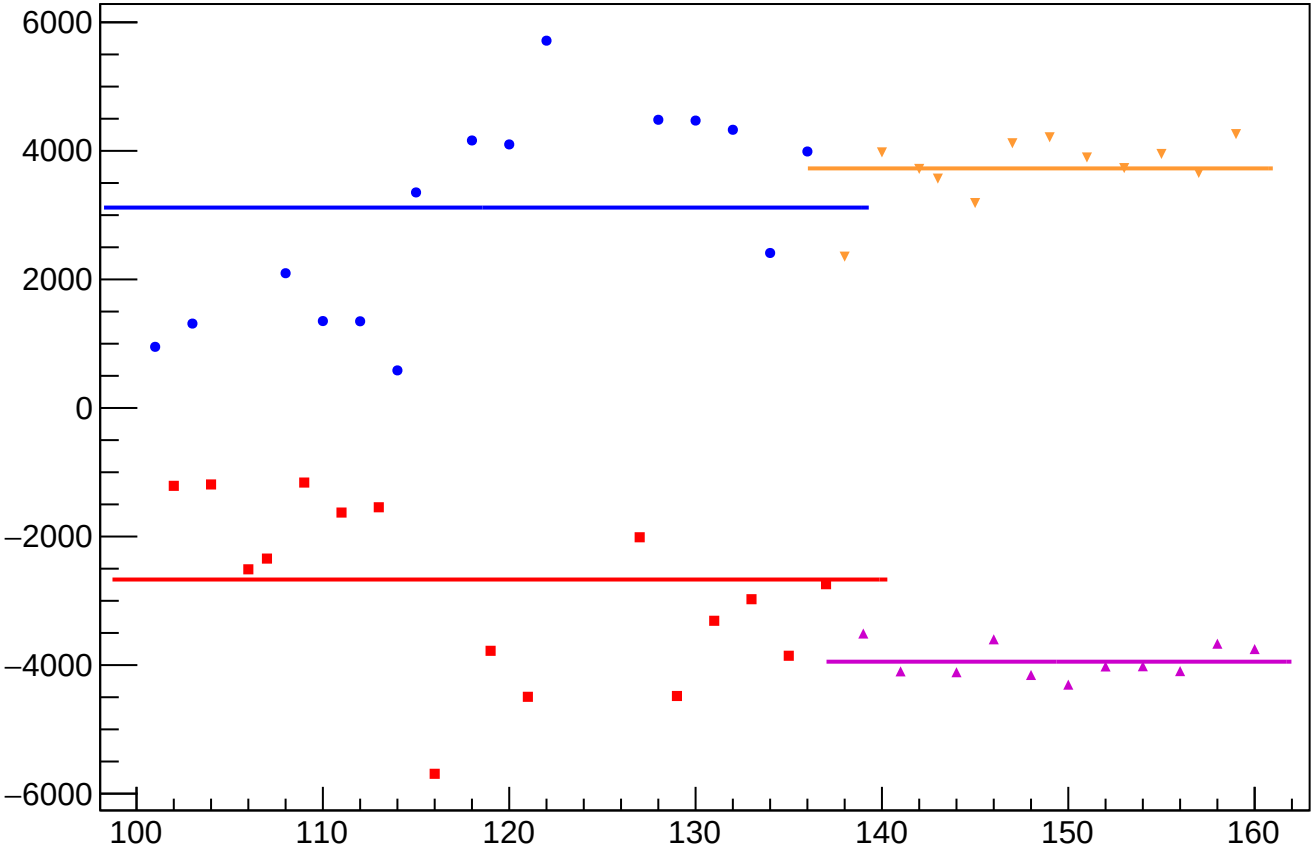
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

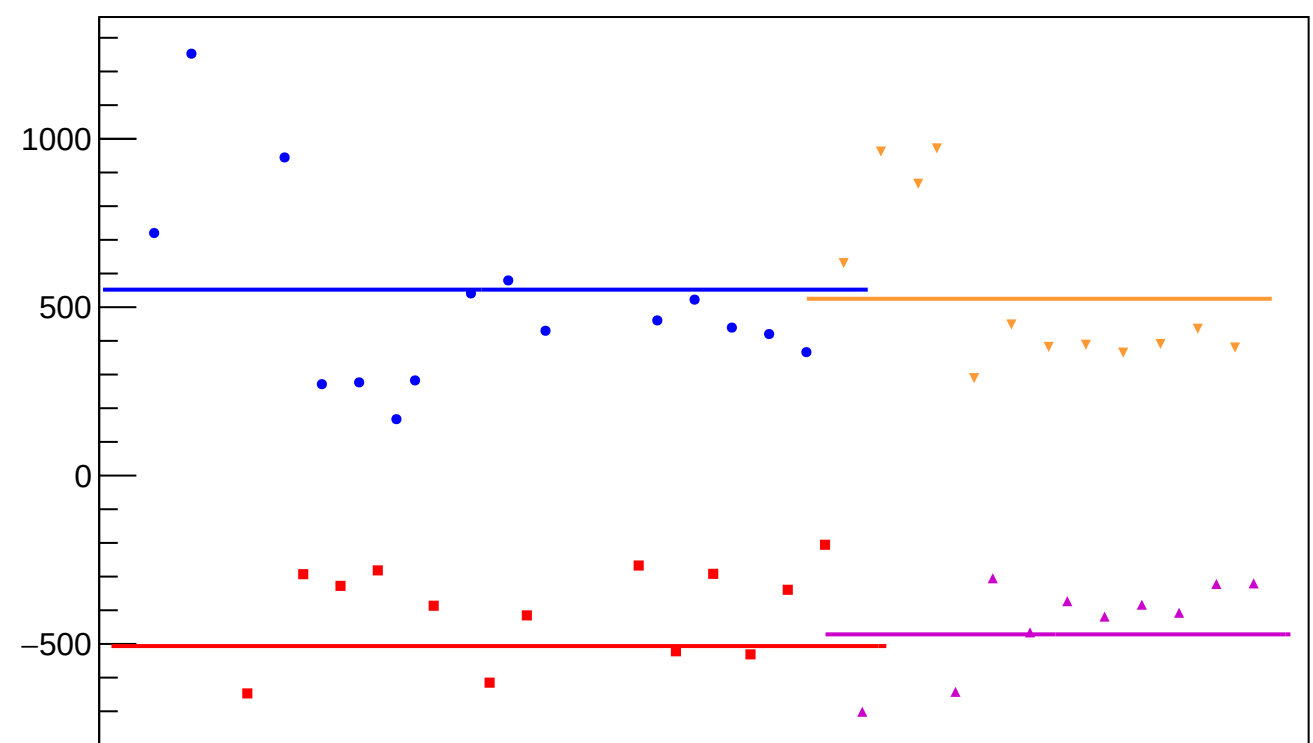
All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_sam3_coil4_mean vs Slug, Sign Corrected




Left: -130.852+/-0.000 $\chi^2$/NDF: 273547154777802
Right In: 3117.914+/-0.000 $\chi^2$/NDF: 1552738593335565674554918493159210090496.0/14
Right: 184.985+/-0.000 $\chi^2$/NDF: 137039743554262
Left Out: 3727.095+/-0.000 $\chi^2$/NDF:2374776785615428602928258343291857141 76.0/11
In: -1032.132+/-0.000 $\chi^2$/NDF:206383219815957
Right Out: -2668.794+/-0.000 $\chi^2$/NDF: 1136406286131098596000054422131257114624.0/15
Out: 1028.766+/-0.000 $\chi^2$/NDF:171478919512140
Left In: -3947.046+/-0.000 $\chi^2$/NDF:5696366101885905707081209513447207 7312.0/10
All: 0.930+/-0.000 $\chi^2$/NDF: 4113519037694 5

# dit_sam3_coil4_err_mean vs Slug, Sign Corrected




Left: 24.011+/-0.000 $\chi^2$/NDF: 5310992125582562

Right In: 552.108+/-0.000 $\chi^2$/NDF: 507390417411591198485239882360018698 24.0/14

Right: 15.643+/-0.000 $\chi^2$/NDF: 4564382403190982

Left Out: 524.984+/-0.000 $\chi^2$/NDF:4912061241363837008806236103609679872 0.0/11

In: -49.195+/-0.000 $\chi^2$/NDF:4758944895830543 1

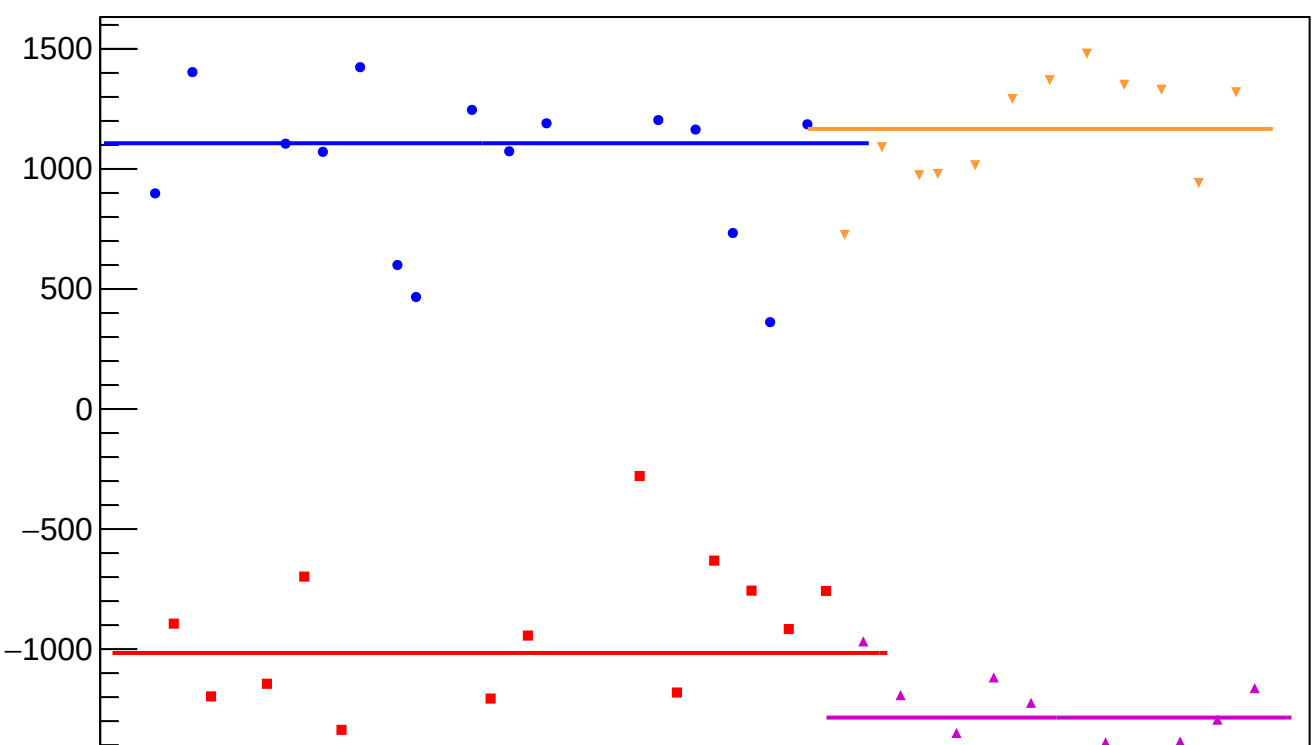
Right Out: -506.345+/-0.000 $\chi^2$/NDF: 37181653297314883501659131806010572800.0/15

Out: 89.882+/-0.000 $\chi^2$/NDF:4964451727515973 4

Left In: -471.540+/-0.000 $\chi^2$/NDF:2568088447782771591494420536636316057 6.0/10

All: 20.520+/-0.000 $\chi^2$/NDF: 9875911626514

# dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

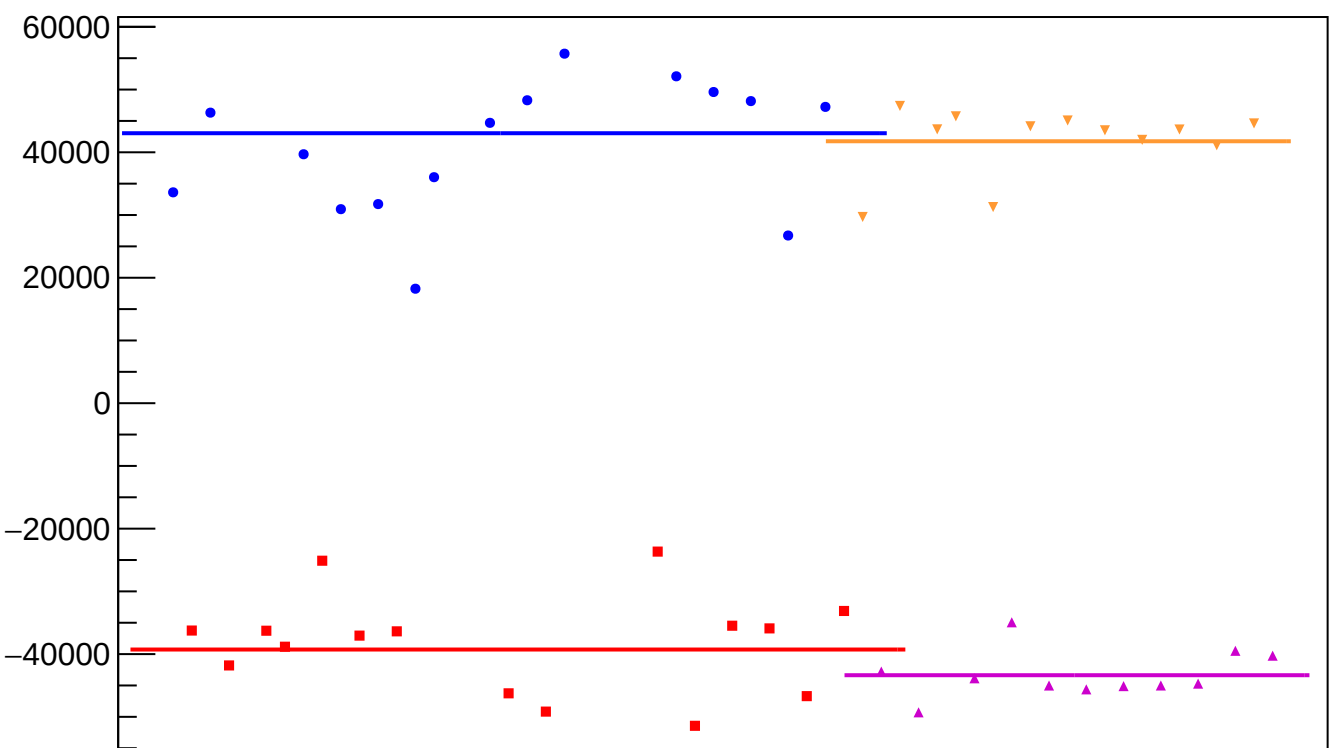
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

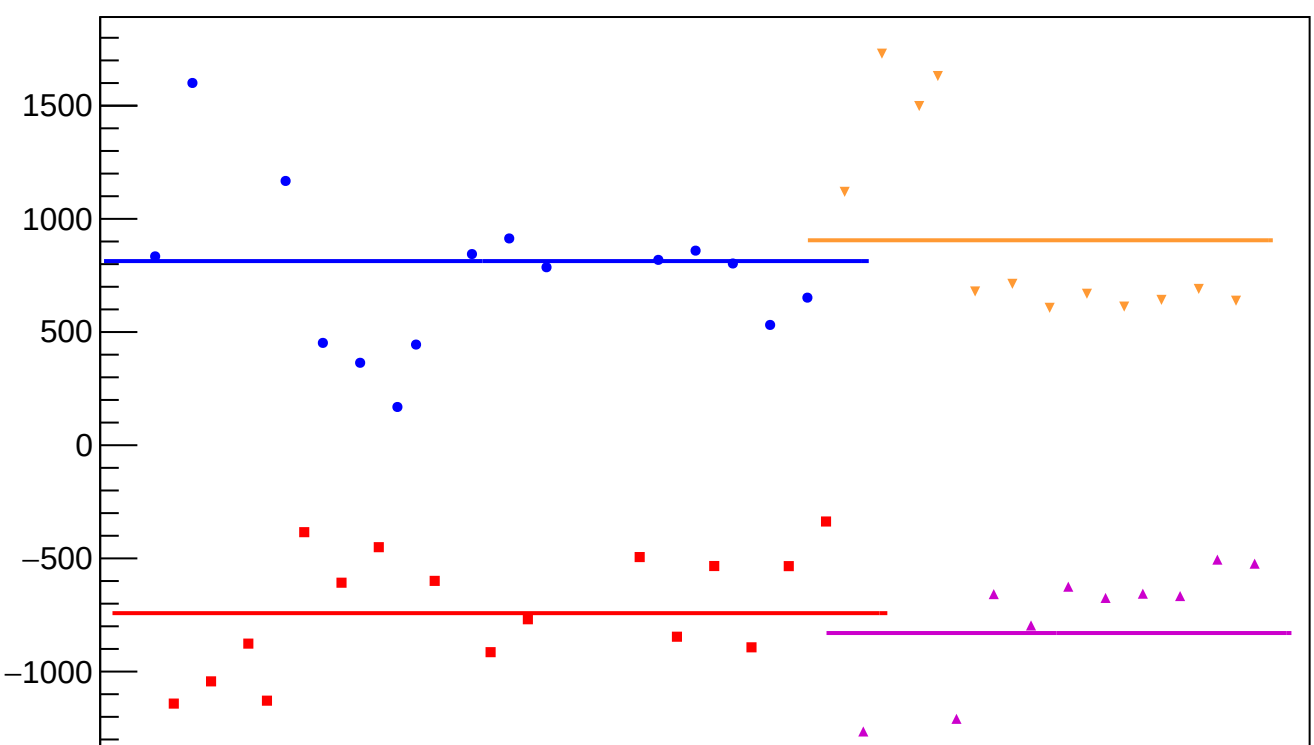
All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_sam4_coil4_mean vs Slug, Sign Corrected



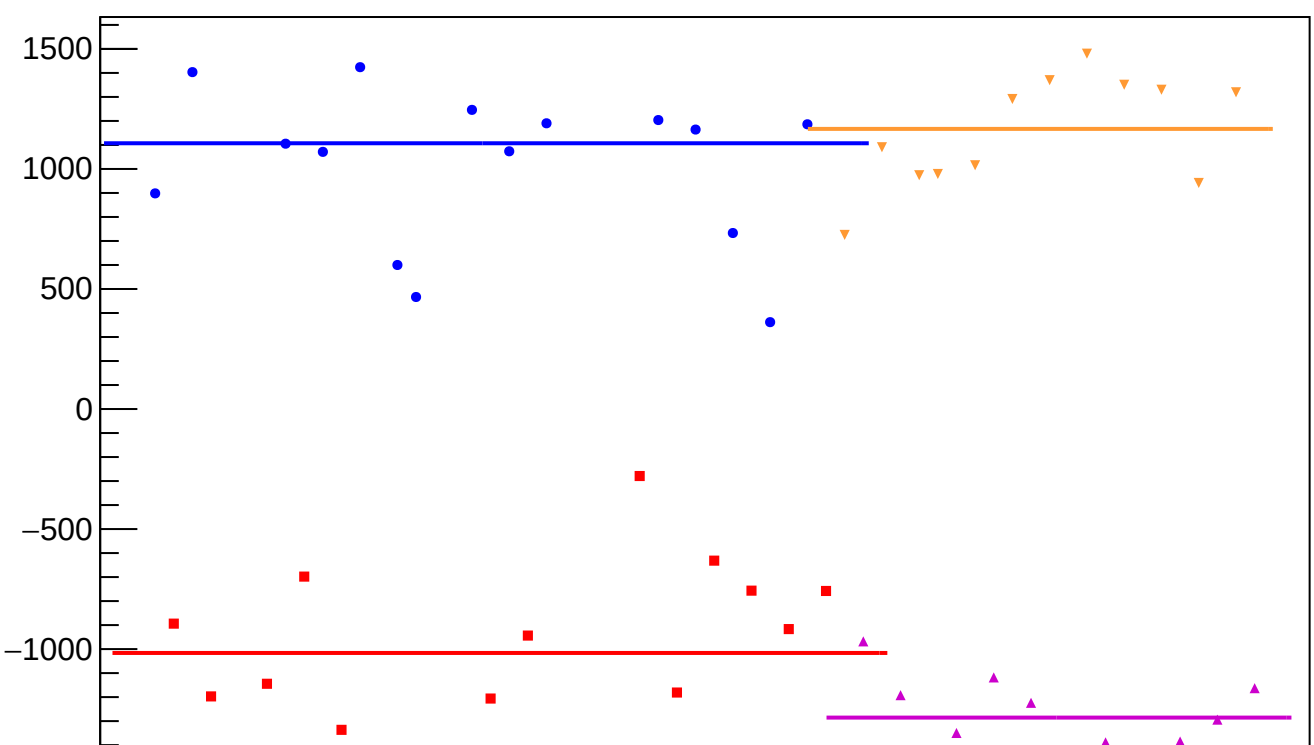

Left: -1034.394+/-0.000 $\chi^2$/NDF: 33680407028688
Right In: 43039.927+/-0.000 $\chi^2$/NDF: 48397052922561722652666786407552179503104.0/14
Right: 1322.243+/-0.000 $\chi^2$/NDF: 23287829079556
Left Out: 41759.238+/-0.000 $\chi^2$/NDF:2633853262952254318597401789871975458406 4.0/11
In: -7715.351+/-0.000 $\chi^2$/NDF:290679667494142
Right Out: -39269.627+/-0.000 $\chi^2$/NDF: 51873036517757666237545716605051585167360.0/15
Out: 7574.385+/-0.000 $\chi^2$/NDF:26099548855296 3
Left In: -43364.892+/-0.000 $\chi^2$/NDF:12209695723681592241000188414954802511872.0/10
All: -51.092+/-0.000 $\chi^2$/NDF: 570108278214

# dit_sam4_coil4_err_mean vs Slug, Sign Corrected




Left: 33.114+/-0.000 $\chi^2$/NDF: 1630992199286055
Right In: 813.500+/-0.000 $\chi^2$/NDF: 671209168165482376389487875183513436 16.0/14
Right: 25.157+/-0.000 $\chi^2$/NDF: 9069972726032984
Left Out: 905.383+/-0.000 $\chi^2$/NDF:1516001192972690615538787732880422338 56.0/11
In: -151.745+/-0.000 $\chi^2$/NDF:1192581949846065
Right Out: -741.911+/-0.000 $\chi^2$/NDF: 4407413439721540923560474643267164 5696.0/15
Out: 210.415+/-0.000 $\chi^2$/NDF:1242037289977298
Left In: -829.715+/-0.000 $\chi^2$/NDF:9607783607162304834174951226091765 7600.0/10
All: 29.794+/-0.000 $\chi^2$/NDF: 2538038020154

# dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

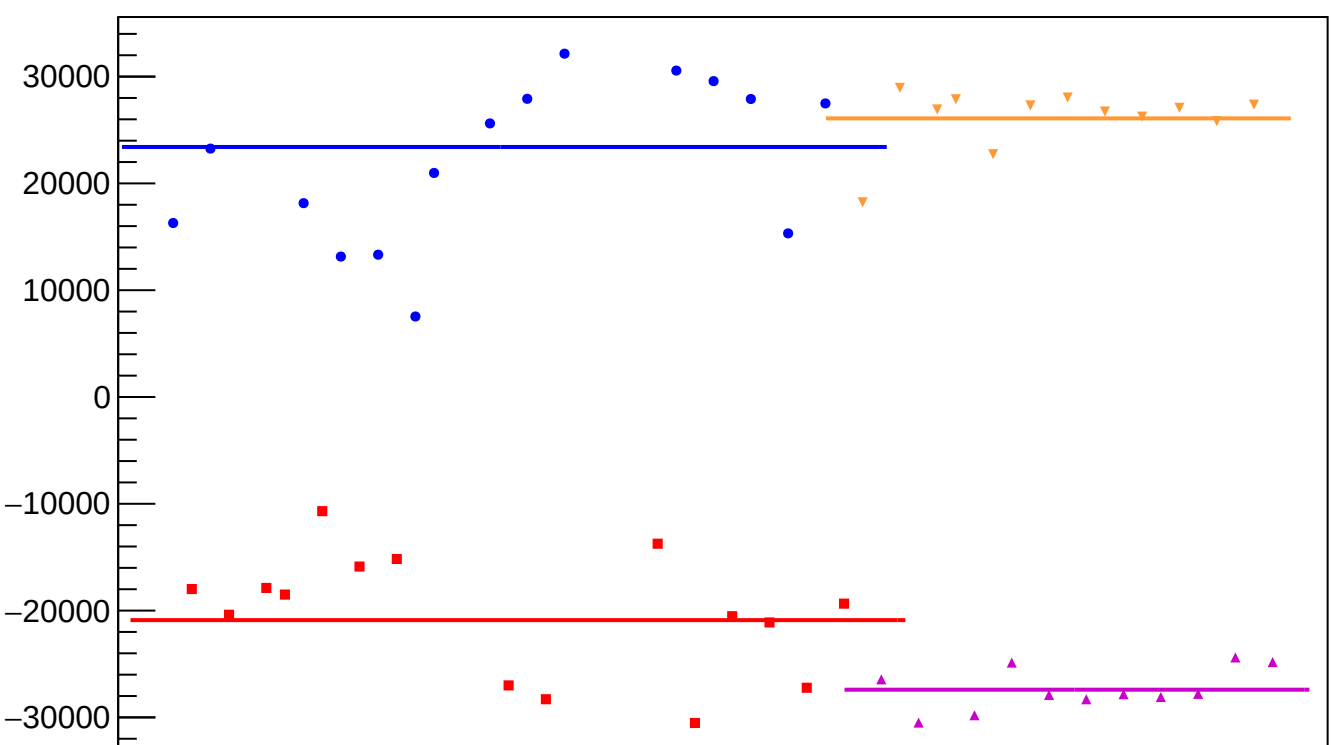
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

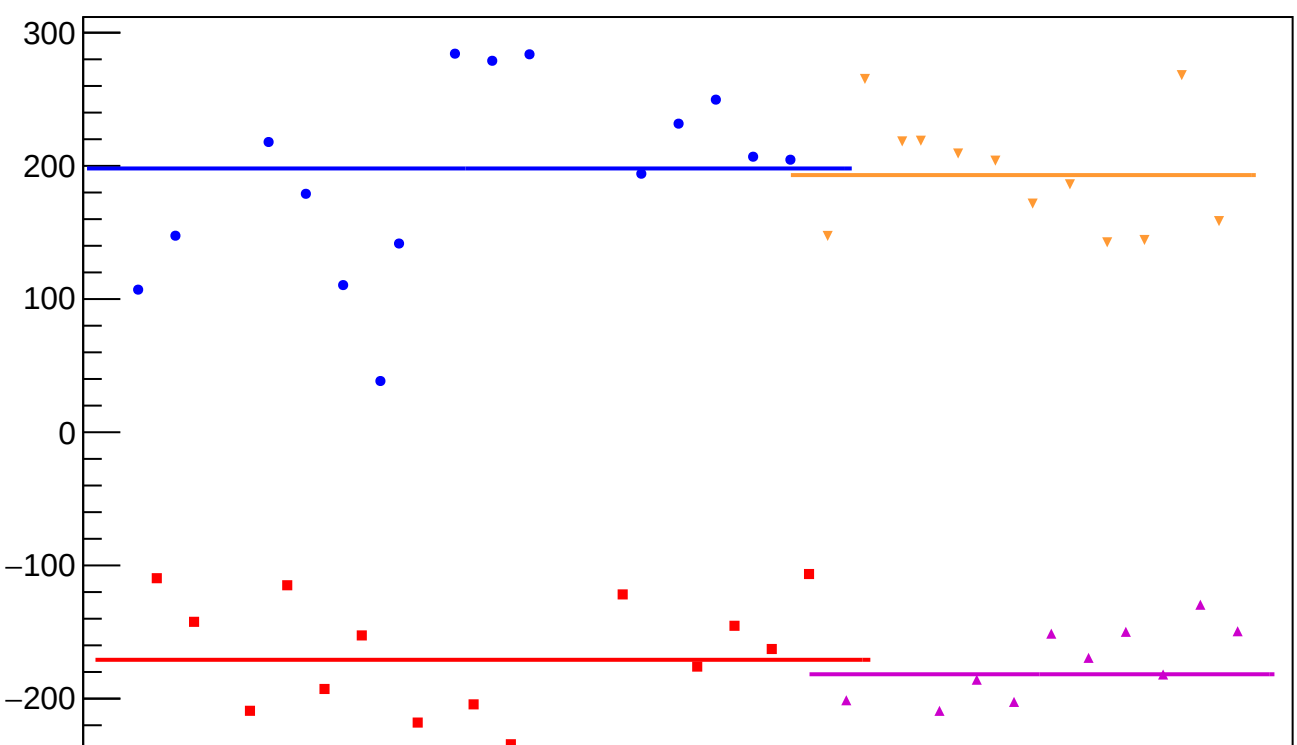
All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_sam5_coil4_mean vs Slug, Sign Corrected




Left: -804.440+/-0.000 $\chi^2$/NDF: 132562233817018
Right In: 23411.506+/-0.000 $\chi^2$/NDF: 284274574717803193528857465713157084282 88.0/14
Right: 955.690+/-0.000 $\chi^2$/NDF: 701538889846229
Left Out: 26089.435+/-0.000 $\chi^2$/NDF:729747469732523123463306036407548510208 0.0/11
In: -6440.074+/-0.000 $\chi^2$/NDF:101629631311626
Right Out: -20894.122+/-0.000 $\chi^2$/NDF: 274089658045786491070029094099872183746 56.0/15
Out: 6267.782+/-0.000 $\chi^2$/NDF:885907084318419
Left In: -27407.255+/-0.000 $\chi^2$/NDF:332265985886609385842655745683846542131 2.0/10
All: -70.029+/-0.000 $\chi^2$/NDF: 202953713345

# dit_sam5_coil4_err_mean vs Slug, Sign Corrected




Left: 4.667+/-0.000 $\chi^2$/NDF: 674560123353217064

Right In: 198.056+/-0.000 $\chi^2$/NDF: 2482928792293864415922382990034862080.0/14

Right: 11.079+/-0.000 $\chi^2$/NDF: 4866728486717223

Left Out: 193.084+/-0.000 $\chi^2$/NDF:16827497054399498811225119123895746 56.0/11

In: -25.024+/-0.000 $\chi^2$/NDF:58693744329544084

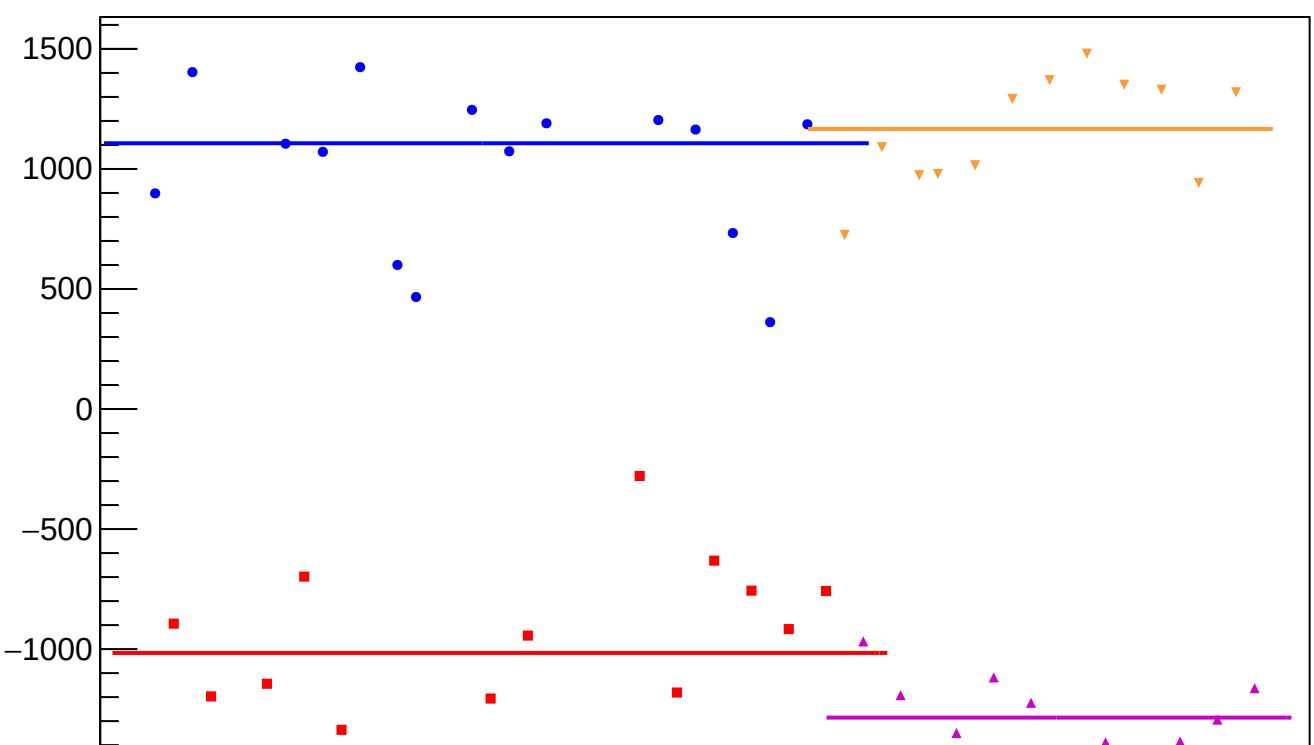
Right Out: -170.851+/-0.000 $\chi^2$/NDF: 1418314816915016425155520631536615424.0/15

Out: 39.545+/-0.000 $\chi^2$/NDF:5417369983342224 0

Left In: -181.711+/-0.000 $\chi^2$/NDF:1228549704796737698218369408017891328.0/10

All: 7.342+/-0.000 $\chi^2$/NDF: 1161548333893 3

# dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

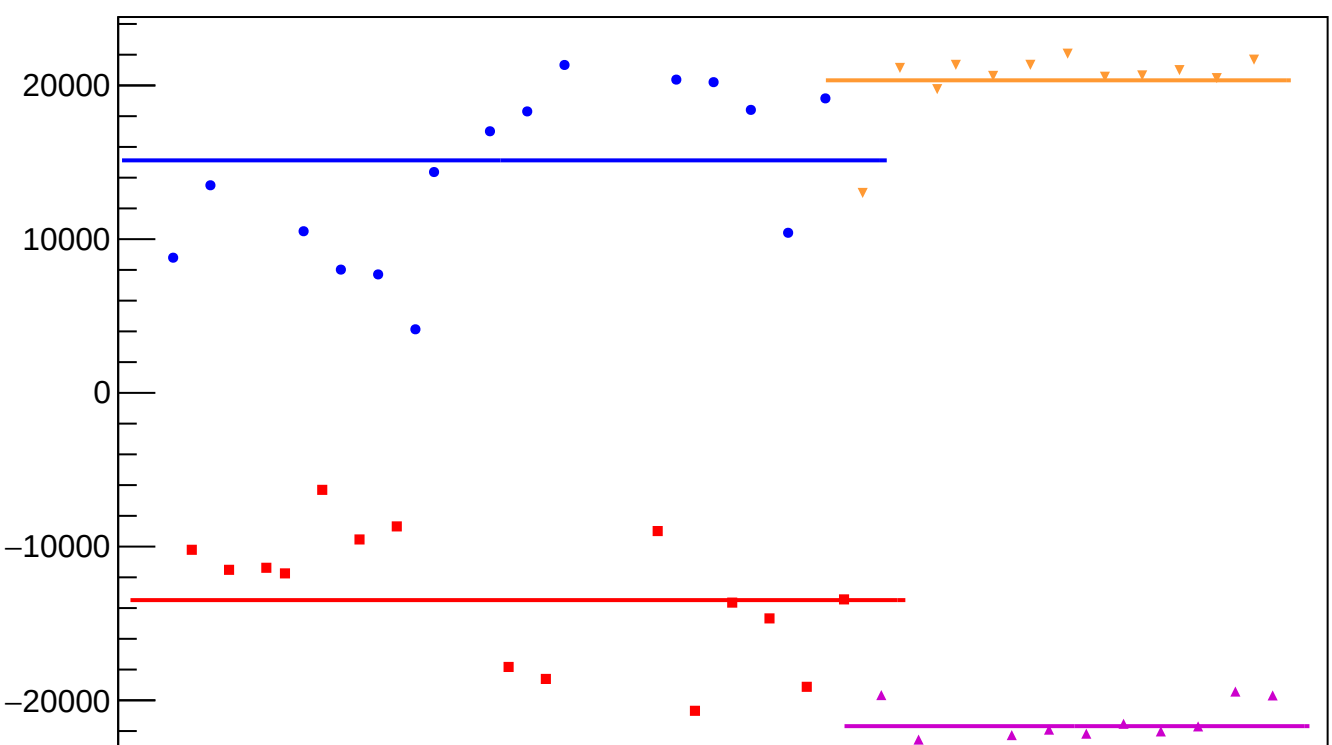
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_sam6_coil4_mean vs Slug, Sign Corrected




Left: -788.384+/-0.000 $\chi^2$/NDF: 818050900657899

Right In: 15125.834+/-0.000 $\chi^2$/NDF: 16615438767664069151744668380763246297088.0/14

Right: 626.147+/-0.000 $\chi^2$/NDF: 30173637195947 2

Left Out: 20333.061+/-0.000 $\chi^2$/NDF:48559492257769427632268539403690542366 72.0/11

In: -6495.105+/-0.000 $\chi^2$/NDF:535200786769425

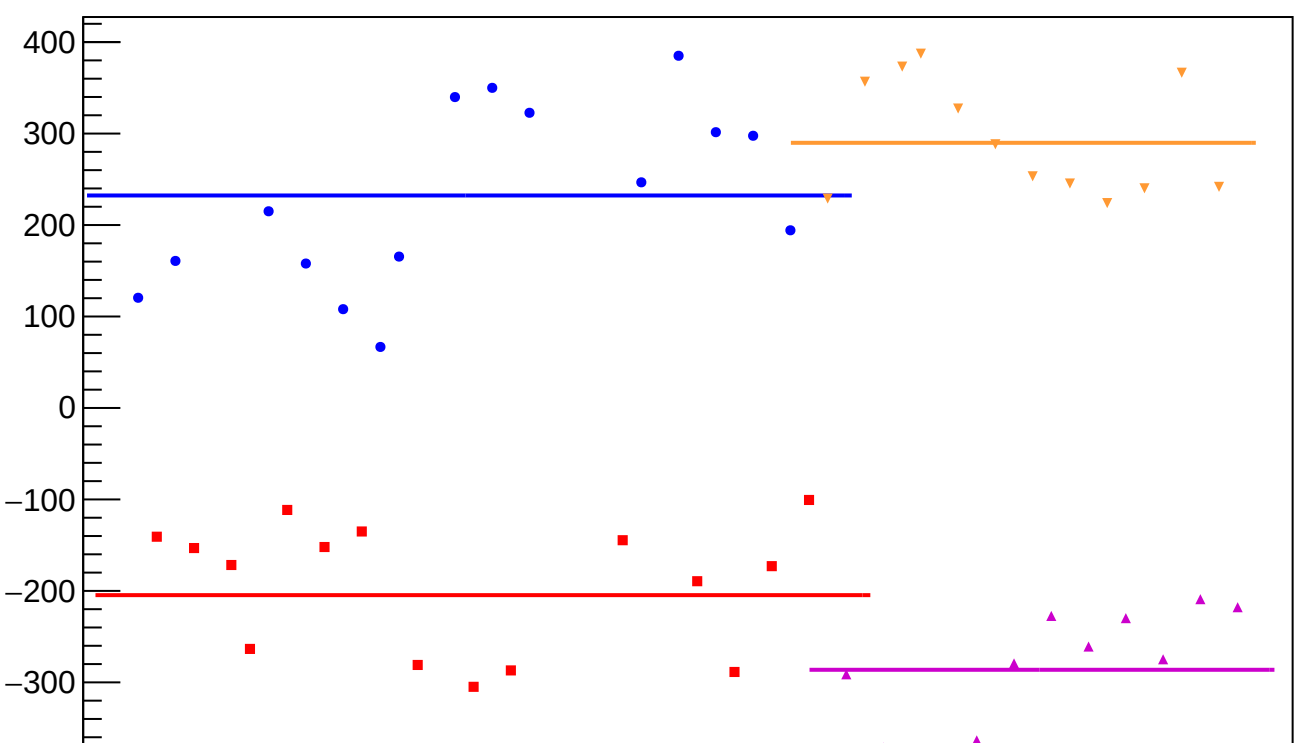
Right Out: -13482.244+/-0.000 $\chi^2$/NDF: 15910426475407825250252248749810022088704.0/15

Out: 6066.895+/-0.000 $\chi^2$/NDF:461693454041098

Left In: -21681.241+/-0.000 $\chi^2$/NDF:21088745736492026217115303328663103078 40.0/10

All: -198.174+/-0.000 $\chi^2$/NDF: 11213217633

# dit_sam6_coil4_err_mean vs Slug, Sign Corrected




Left: 0.258+/-0.000 $\chi^2$/NDF: 15979207429454940

Right In: 232.312+/-0.000 $\chi^2$/NDF: 5478184144885833956204804001180418048.0/14

Right: 10.849+/-0.000 $\chi^2$/NDF: 7283570791033899

Left Out: 289.897+/-0.000 $\chi^2$/NDF:3202390993231935504147250998086205440.0/11

In: -72.296+/-0.000 $\chi^2$/NDF:1120593523340345

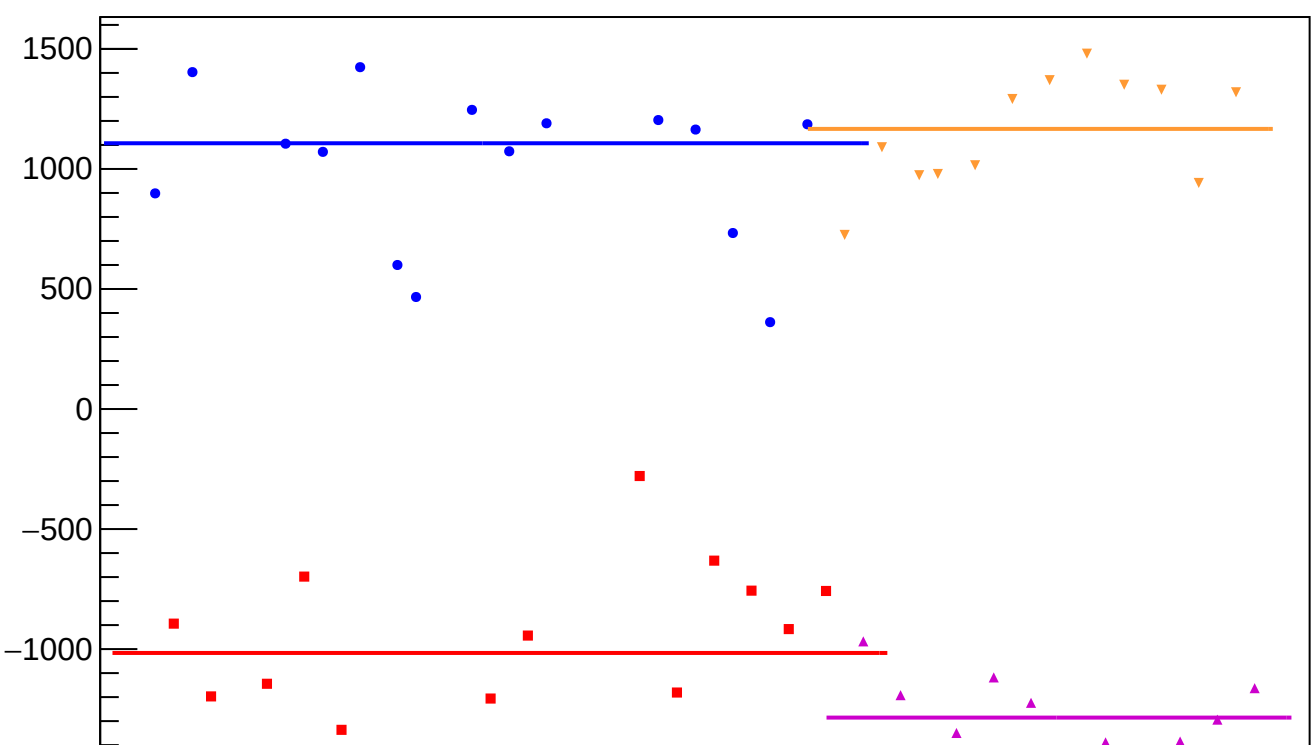
Right Out: -204.637+/-0.000 $\chi^2$/NDF: 455506704683523001793088286788209868 8.0/15

Out: 81.261+/-0.000 $\chi^2$/NDF:10206210507018627

Left In: -286.246+/-0.000 $\chi^2$/NDF:4067110443230234744644750983181631488.0/10

All: 4.677+/-0.000 $\chi^2$/NDF: 2327138069389

# dit_sam6_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

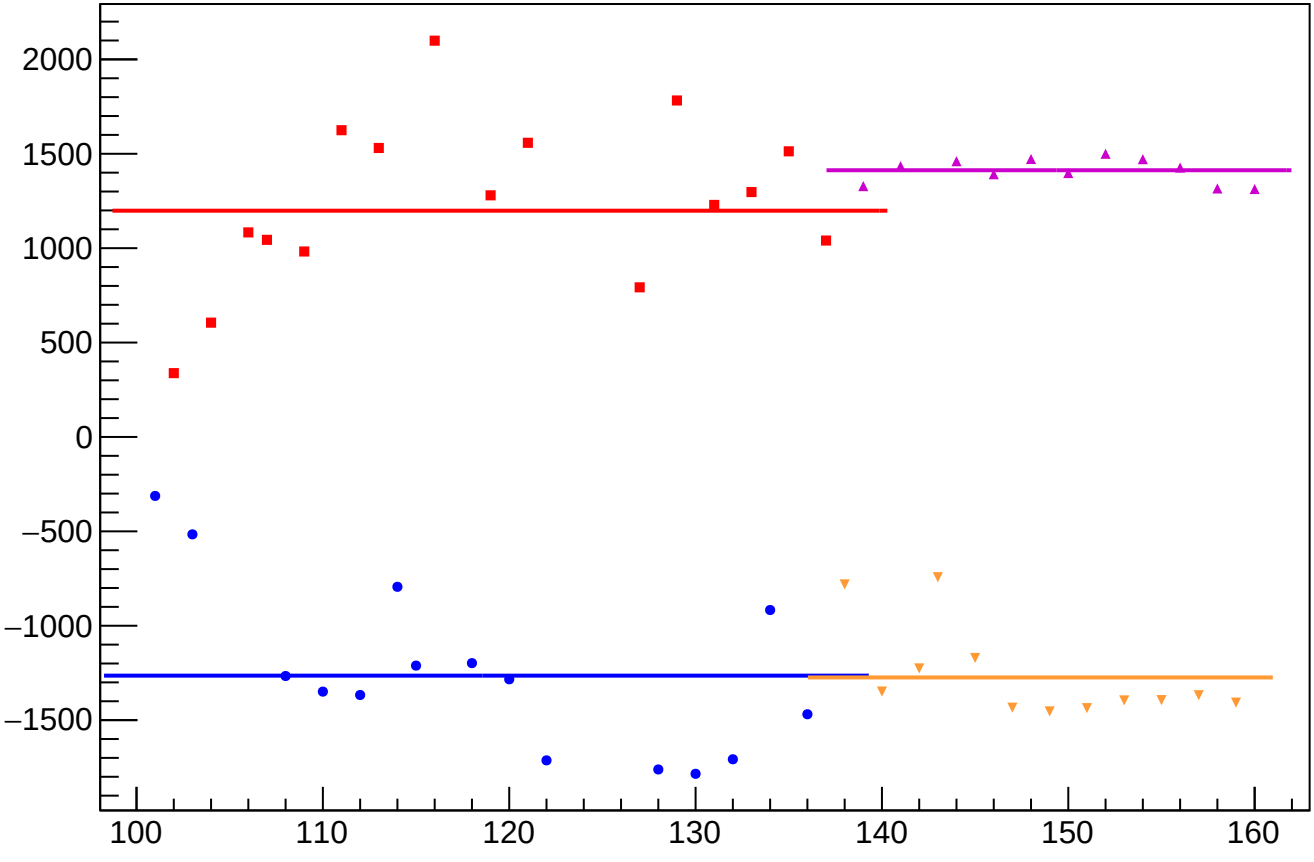
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

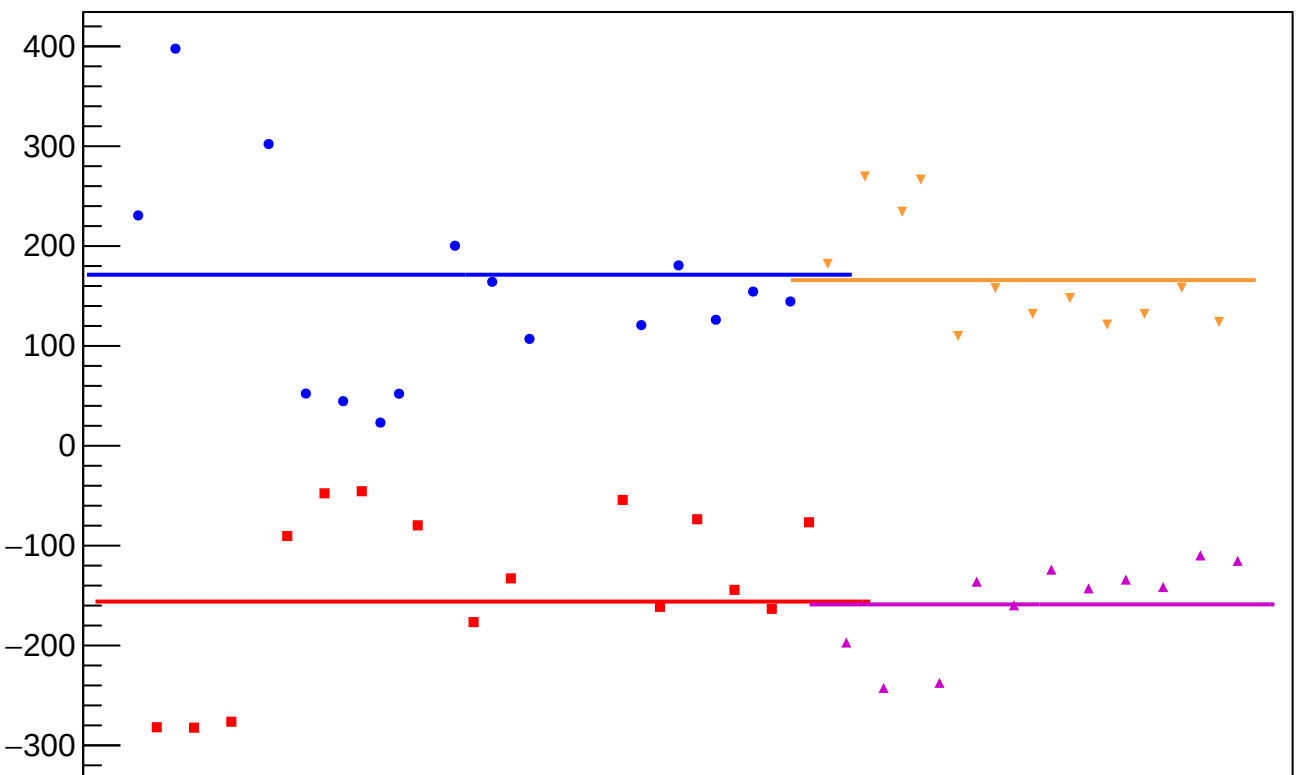
All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_sam7_coil4_mean vs Slug, Sign Corrected



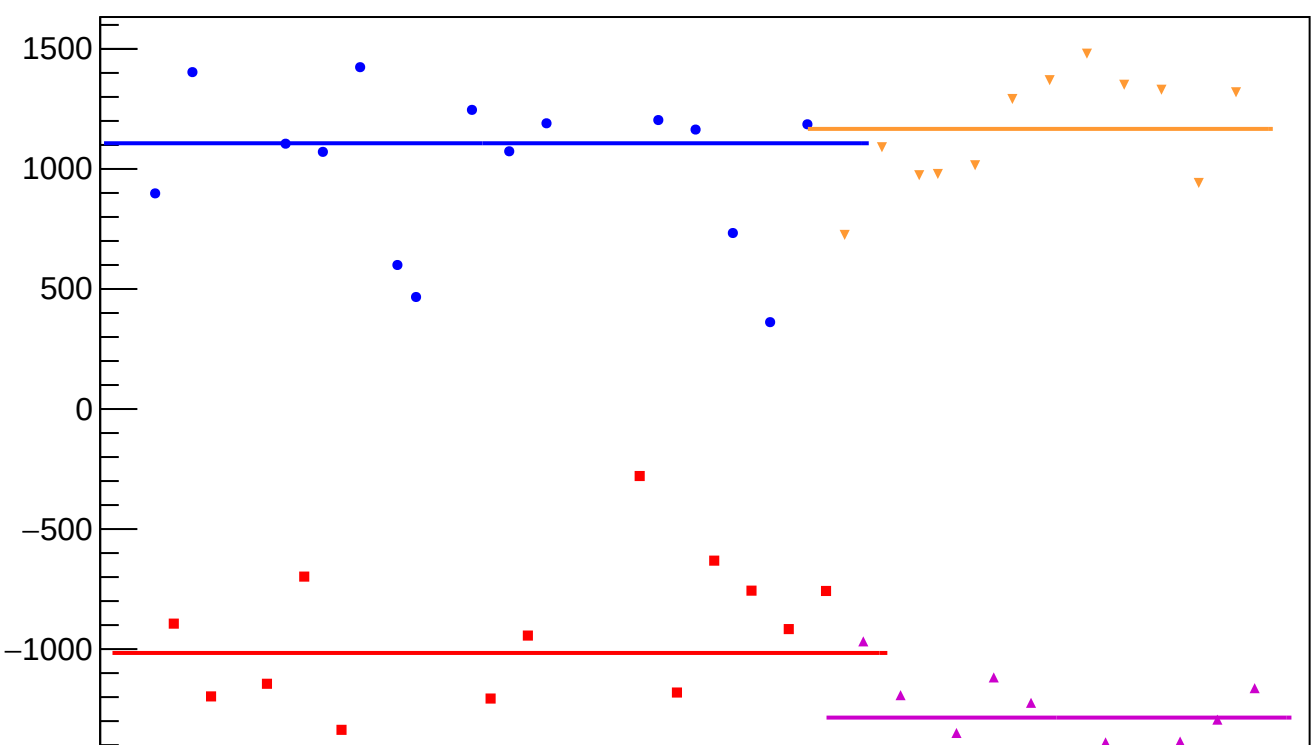

Left: 76.739+/-0.000 $\chi^2$/NDF: 3370855271105765
Right In: -1264.303+/-0.000 $\chi^2$/NDF: 1402152515385026575491739945439319818 24.0/14
Right: -16.067+/-0.000 $\chi^2$/NDF: 226649511001664
Left Out: -1273.912+/-0.000 $\chi^2$/NDF:5051721948733248265912197237271900979 2.0/11
In: 308.244+/-0.000 $\chi^2$/NDF:2876034416148533
Right Out: 1198.483+/-0.000 $\chi^2$/NDF: 1311647638980167935154922176961671331 84.0/15
Out: -230.846+/-0.000 $\chi^2$/NDF:253877034127960
Left In: 1412.771+/-0.000 $\chi^2$/NDF:3642959557366432228461510163957809152.0/10
All: 38.016+/-0.000 $\chi^2$/NDF: 564395559572

# dit_sam7_coil4_err_mean vs Slug, Sign Corrected




Left: 2.658+/-0.000 $\chi^2$/NDF: 52887146607469280
Right In: 171.323+/-0.000 $\chi^2$/NDF: 6120975075187305509795143064993398784.0/14
Right: 5.426+/-0.000 $\chi^2$/NDF: 47042708197761076
Left Out: 165.917+/-0.000 $\chi^2$/NDF:2574923375517186479088669940447707136.0/11
In: -22.615+/-0.000 $\chi^2$/NDF:49529612486075617
Right Out: -155.993+/-0.000 $\chi^2$/NDF: 5680659281504595852021524727244783616.0/15
Out: 30.108+/-0.000 $\chi^2$/NDF:48214291769809933
Left In: -158.834+/-0.000 $\chi^2$/NDF:1853310895668256586520412981739651072.0/10
All: 3.813+/-0.000 $\chi^2$/NDF: 99935728912409

# dit_sam7_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

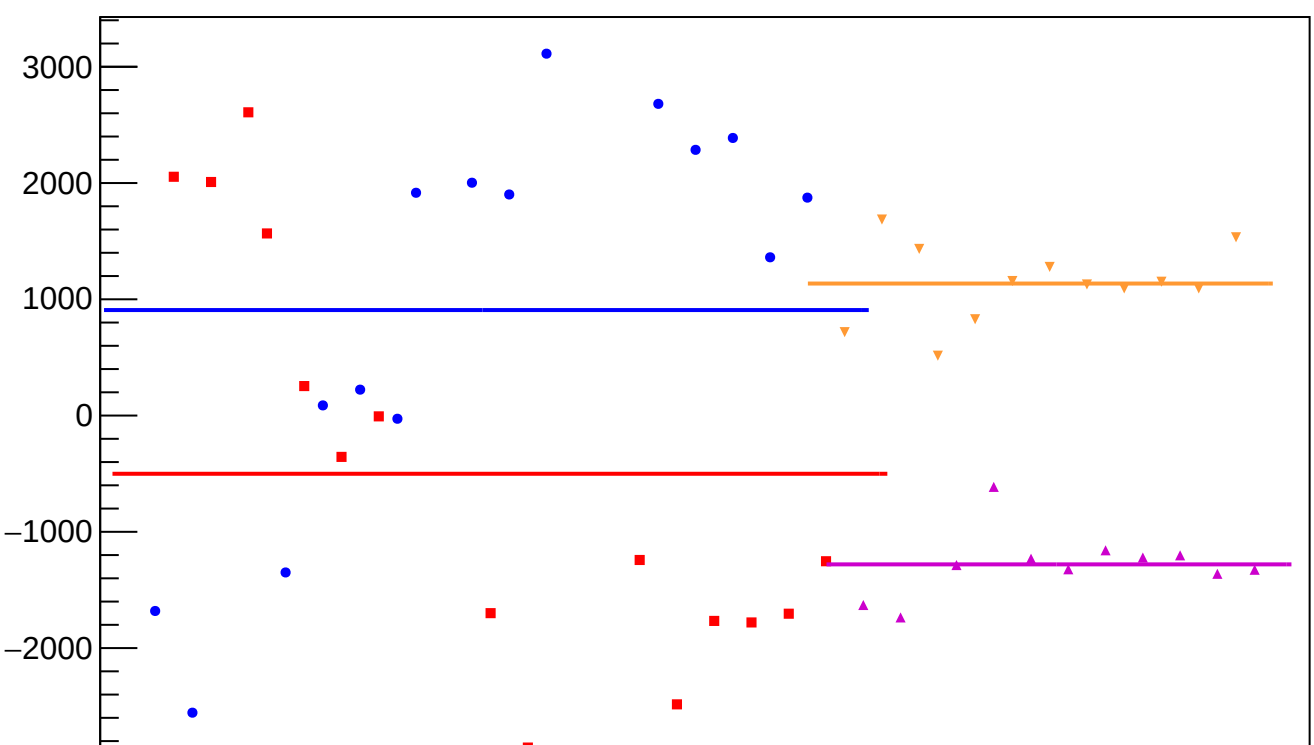
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_sam8_coil4_mean vs Slug, Sign Corrected




Left: -78.814+/-0.000 $\chi^2$/NDF: 2838993659503494

Right In: 907.442+/-0.000 $\chi^2$/NDF: 2107238007691848638499662178406566461440.0/14

Right: 193.746+/-0.000 $\chi^2$/NDF: 483370034209518

Left Out: 1135.509+/-0.000 $\chi^2$/NDF:904547617734895917934786780746093690 88.0/11

In: -377.486+/-0.000 $\chi^2$/NDF:3998973168088028

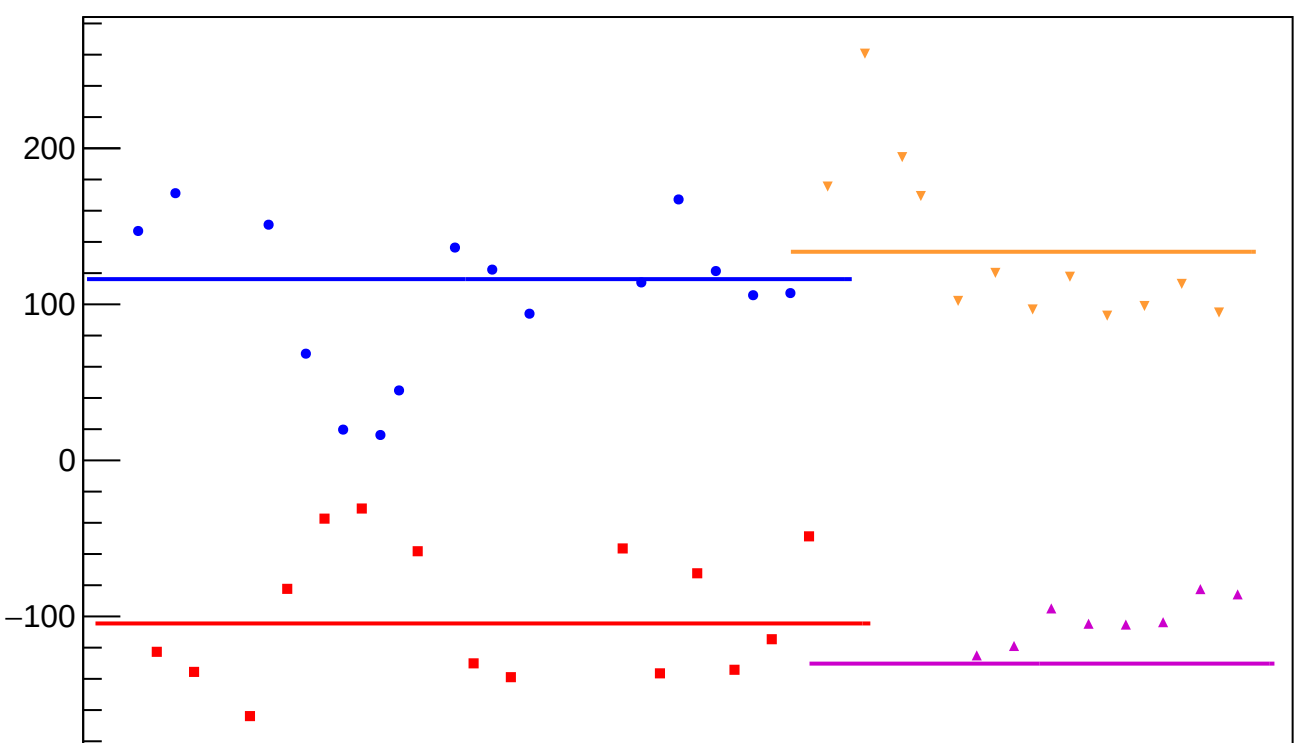
Right Out: -500.689+/-0.000 $\chi^2$/NDF: 2074232918749953174436803426379074895872.0/15

Out: 445.222+/-0.000 $\chi^2$/NDF:319700162996565 0

Left In: -1279.995+/-0.000 $\chi^2$/NDF:6759230470388403202855923944878243840 0.0/10

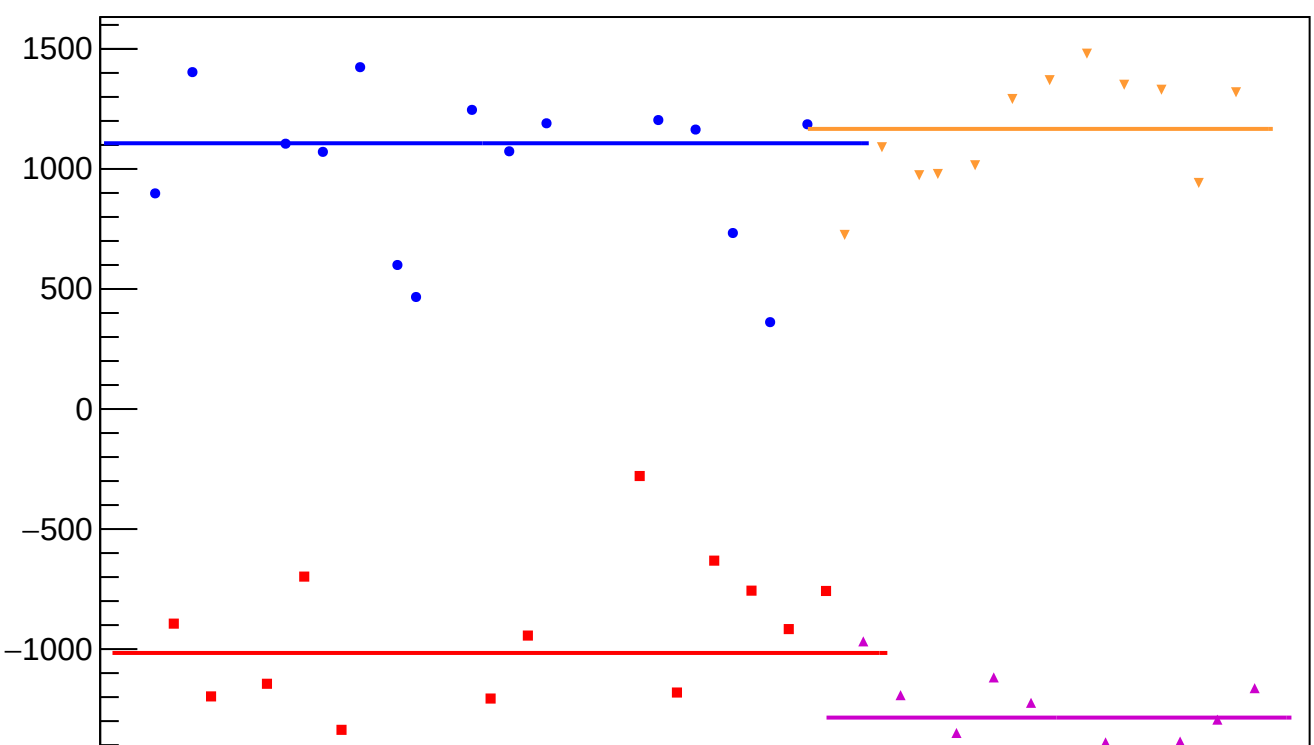
All: 34.911+/-0.000 $\chi^2$/NDF: 7729666433906

# dit_sam8_coil4_err_mean vs Slug, Sign Corrected




Left: 1.011+/-0.000 $\chi^2$/NDF: 36308944838533435
Right In: 116.159+/-0.000 $\chi^2$/NDF: 11985264274851997853965041272881152 00.0/14
Right: 4.320+/-0.000 $\chi^2$/NDF: 1850075643090107 2
Left Out: 133.695+/-0.000 $\chi^2$/NDF:2332238004384262852879386446827356160.0/11
In: -28.577+/-0.000 $\chi^2$/NDF:2631219864745966 1
Right Out: -104.501+/-0.000 $\chi^2$/NDF: 1285986383644058507445602420764180480.0/15
Out: 33.204+/-0.000 $\chi^2$/NDF:2549629849593312 0
Left In: -130.237+/-0.000 $\chi^2$/NDF:1968814259217478663576054483231178752.0/10
All: 2.392+/-0.000 $\chi^2$/NDF: 5481809749299 9

# dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected




Left: -65.918+/-0.000 $\chi^2$/NDF: 2831749902088431

Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14

Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

In: -298.283+/-0.000 $\chi^2$/NDF:2246669587664541

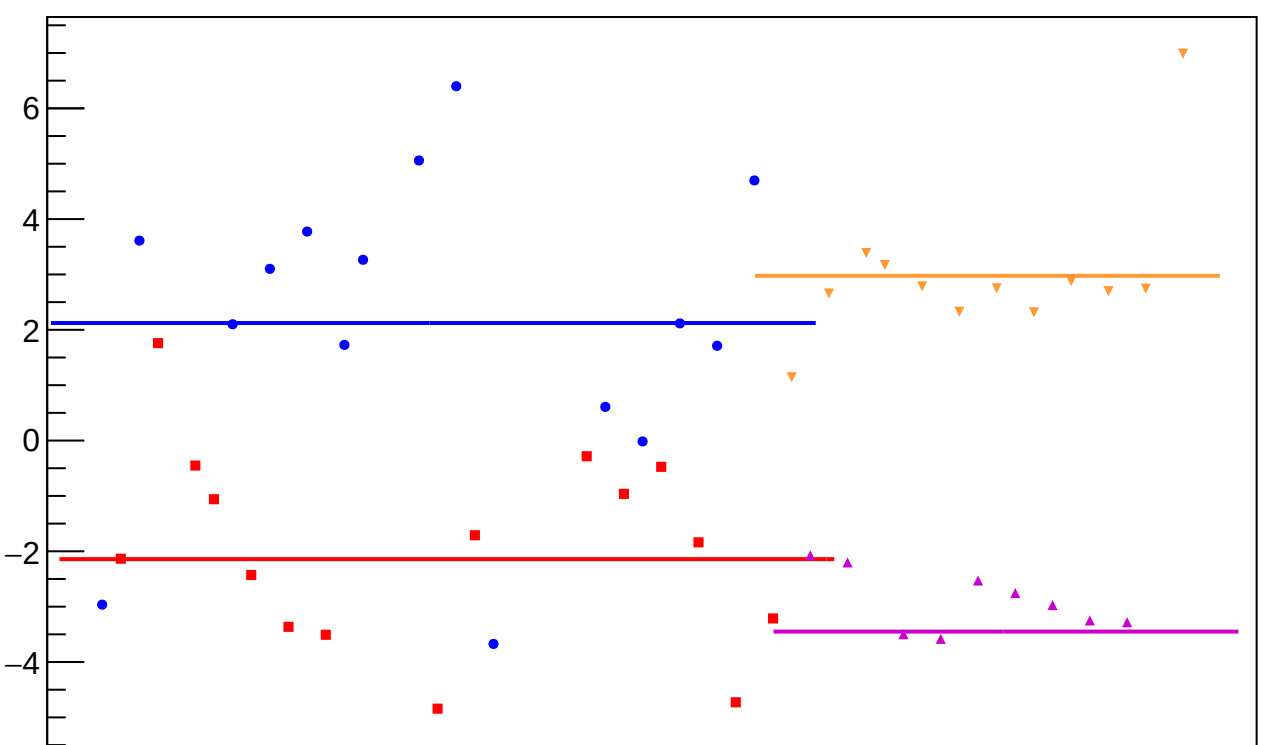
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

Out: 245.904+/-0.000 $\chi^2$/NDF:1954763504813796

Left In: -1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

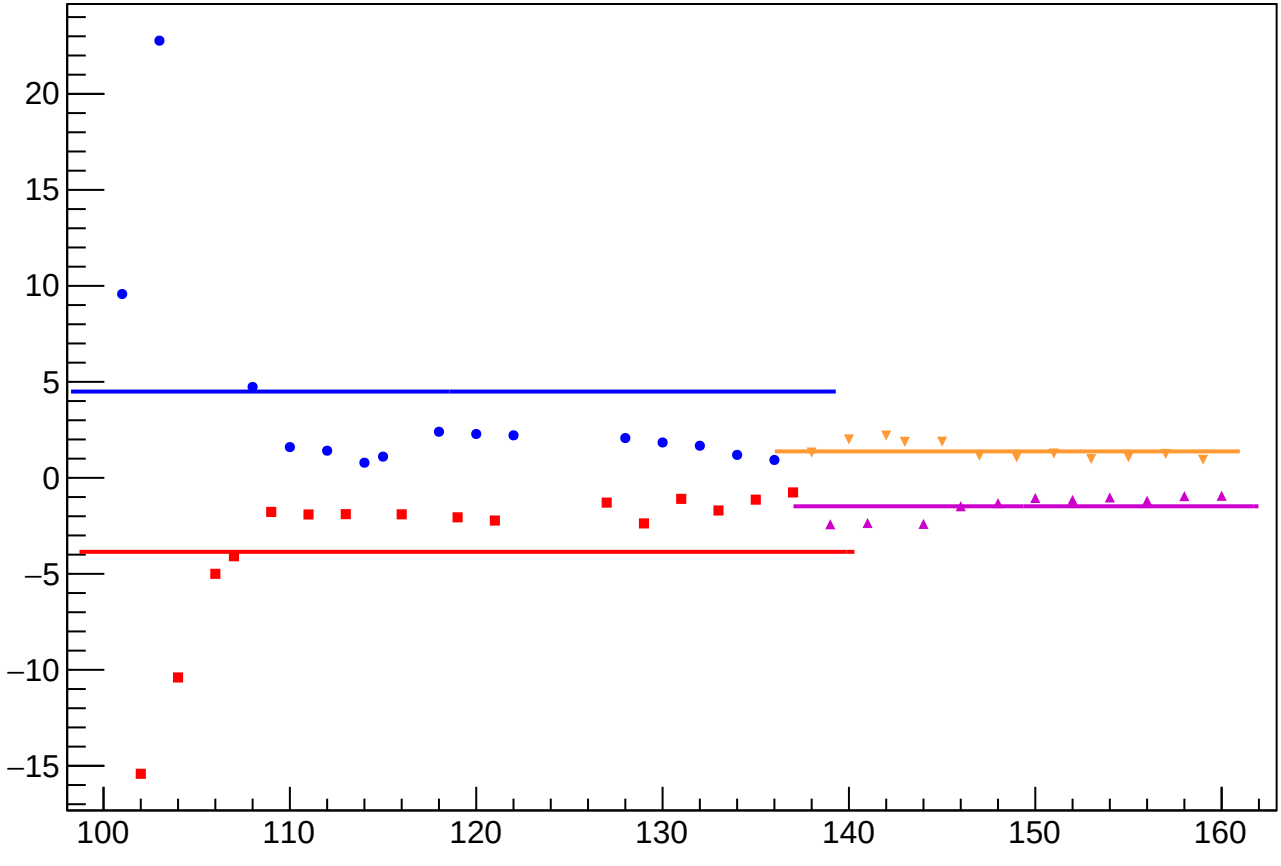
All: -25.499+/-0.000 $\chi^2$/NDF: 443493791328

# dit_4aX_coil6_mean vs Slug, Sign Corrected




Left: -0.255+/-0.000 $\chi^2$/NDF: 2217681353185582
Right In: 2.123+/-0.000 $\chi^2$/NDF: 5263705922821075971022013849403392.0/14
Right: -0.039+/-0.000 $\chi^2$/NDF: 1371901956190569
Left Out: 2.975+/-0.000 $\chi^2$/NDF:1653073452461549310648226194391040.0/11
In: -1.151+/-0.000 $\chi^2$/NDF:186566302459324539
Right Out: -2.142+/-0.000 $\chi^2$/NDF: 2472949940993672466161692257026048.0/15
Out: 0.817+/-0.000 $\chi^2$/NDF:142230420380905144
Left In: -3.450+/-0.000 $\chi^2$/NDF:1551935058842125730993767819771904.0/10
All: -0.165+/-0.000 $\chi^2$/NDF: 3593171973560

# dit_4aX_coil6_err_mean vs Slug, Sign Corrected




Right In: 4.495+/-0.000 $\chi^2$/NDF: 252702422198160615323291986344017 92.0/14

Left Out: 1.379+/-0.000 $\chi^2$/NDF:1503843295012242268496560851517 44.0/11

Right Out: -3.852+/-0.000 $\chi^2$/NDF: 1231497147655680655051884763860172 8.0/15

Left In: -1.482+/-0.000 $\chi^2$/NDF:3103377104757794957745094058311 68.0/10

Left: -0.059+/-0.000 $\chi^2$/NDF: 4221338809733583 2

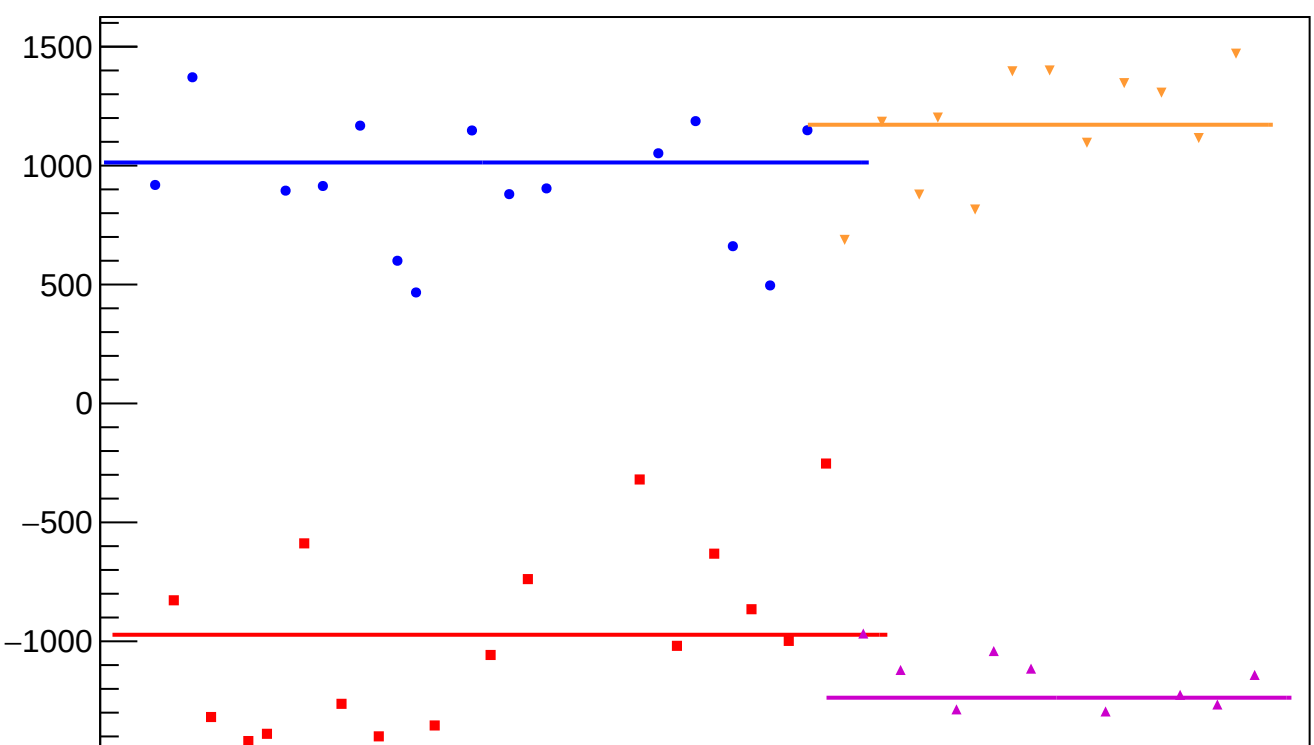
Right: 0.264+/-0.000 $\chi^2$/NDF: 6050582364888339 6

In: 0.984+/-0.000 $\chi^2$/NDF:391989386496345964 4

Out: -0.828+/-0.000 $\chi^2$/NDF:2301887881616390 2

All: 0.076+/-0.000 $\chi^2$/NDF: 6480733516241 6

# dit_4aX_coil6_Ndata_mean vs Slug, Sign Corrected




Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436

Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14

Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2

Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722 1888.0/11

In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9

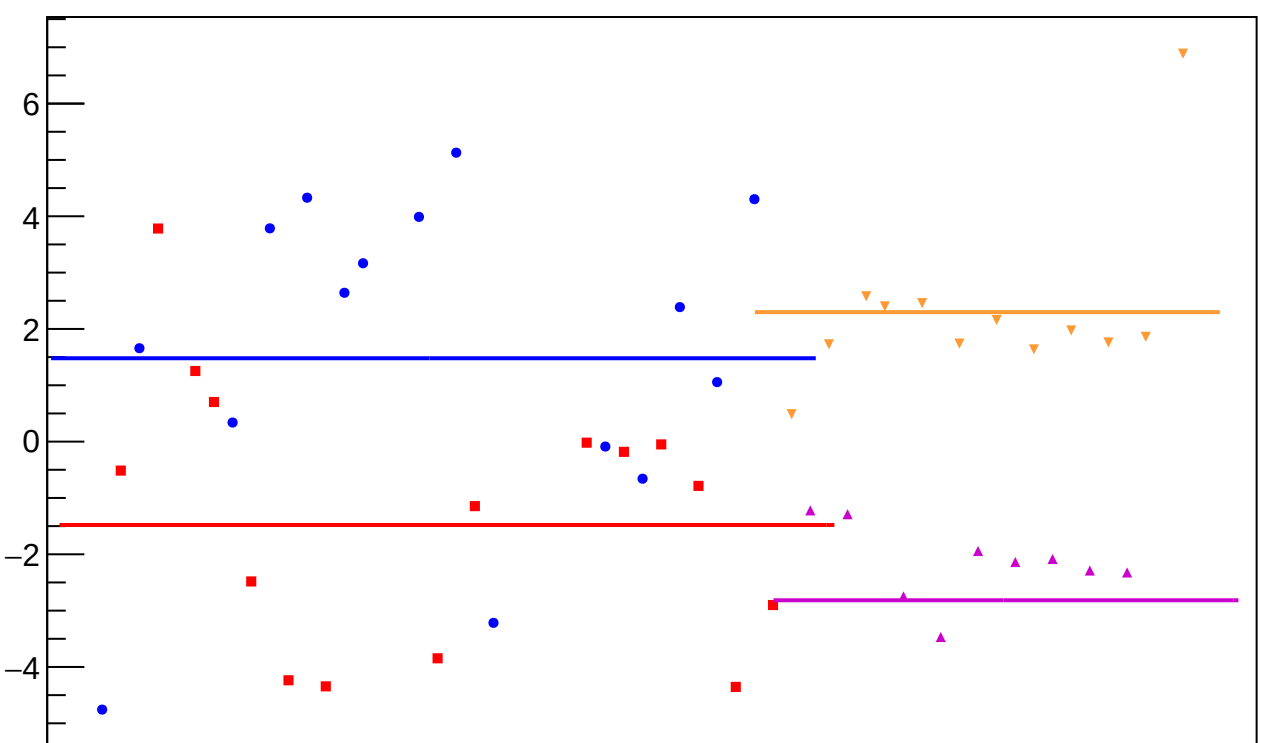
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682 34752.0/15

Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6

Left In: -1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236 72320.0/10

All: -20.037+/-0.000 $\chi^2$/NDF: 41583009966 8

# dit_4eX_coil6_mean vs Slug, Sign Corrected




Left: -0.273+/-0.000 $\chi^2$/NDF: 16328800028734705

Right In: 1.480+/-0.000 $\chi^2$/NDF: 579967069590278445905576798768332 8.0/14

Right: -0.020+/-0.000 $\chi^2$/NDF: 1277469544314031

Left Out: 2.298+/-0.000 $\chi^2$/NDF:207987099173978046259333480369356 8.0/11

In: -1.044+/-0.000 $\chi^2$/NDF:150671870172542634

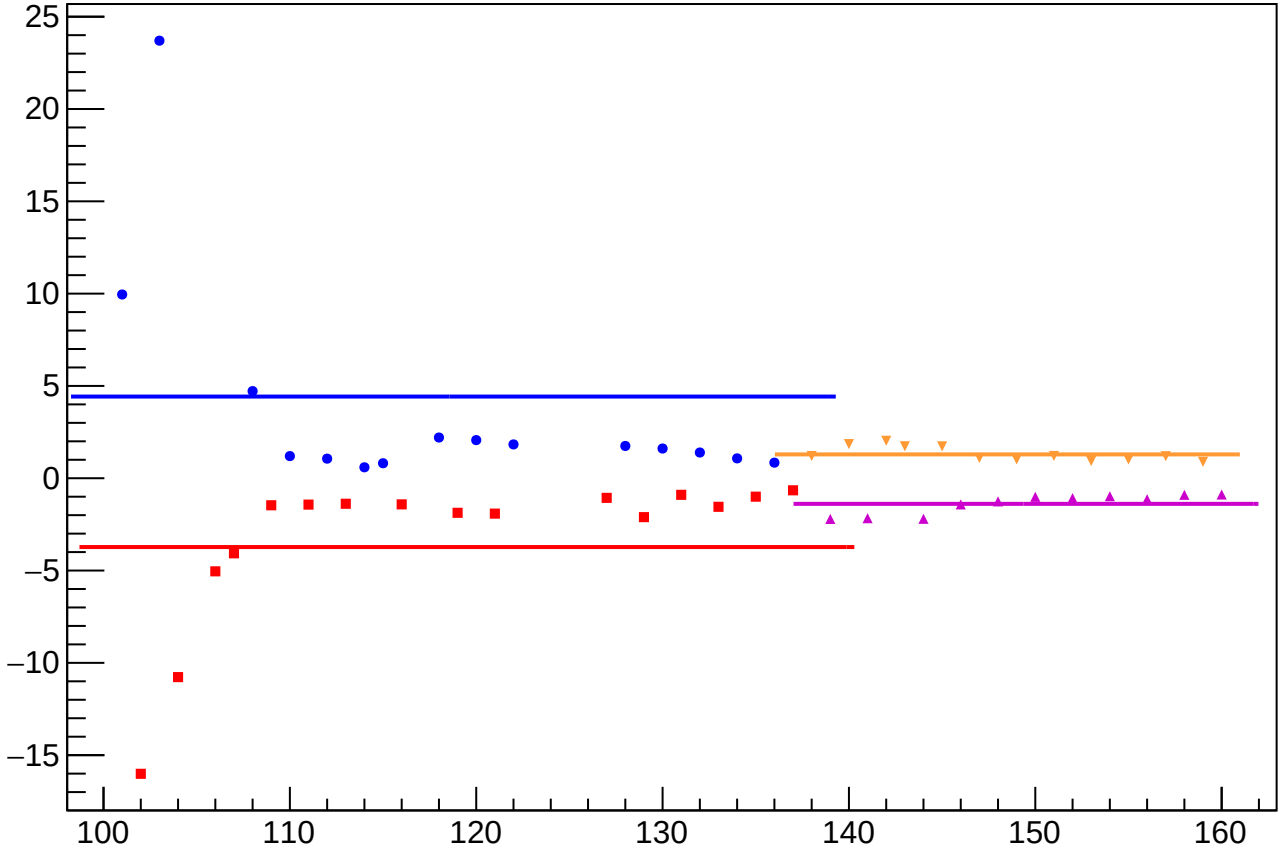
Right Out: -1.480+/-0.000 $\chi^2$/NDF: 409264580061376557266298782036787 2.0/15

Out: 0.704+/-0.000 $\chi^2$/NDF:116768203154190595

Left In: -2.816+/-0.000 $\chi^2$/NDF:223079023457958178188476021945139 2.0/10

All: -0.168+/-0.000 $\chi^2$/NDF: 2915247501265

# dit_4eX_coil6_err_mean vs Slug, Sign Corrected




Right In: 4.424+/-0.000 $\chi^2$/NDF: 282574592728762106088398304732774 40.0/14

Left Out: 1.291+/-0.000 $\chi^2$/NDF:1192017256184521909174903242752 00.0/11

Right Out: -3.727+/-0.000 $\chi^2$/NDF: 1399181681474984251979428485346 0992.0/15

Left In: -1.387+/-0.000 $\chi^2$/NDF:2453812059137343689478295613603 84.0/10

Left: -0.056+/-0.000 $\chi^2$/NDF: 36599109111417461

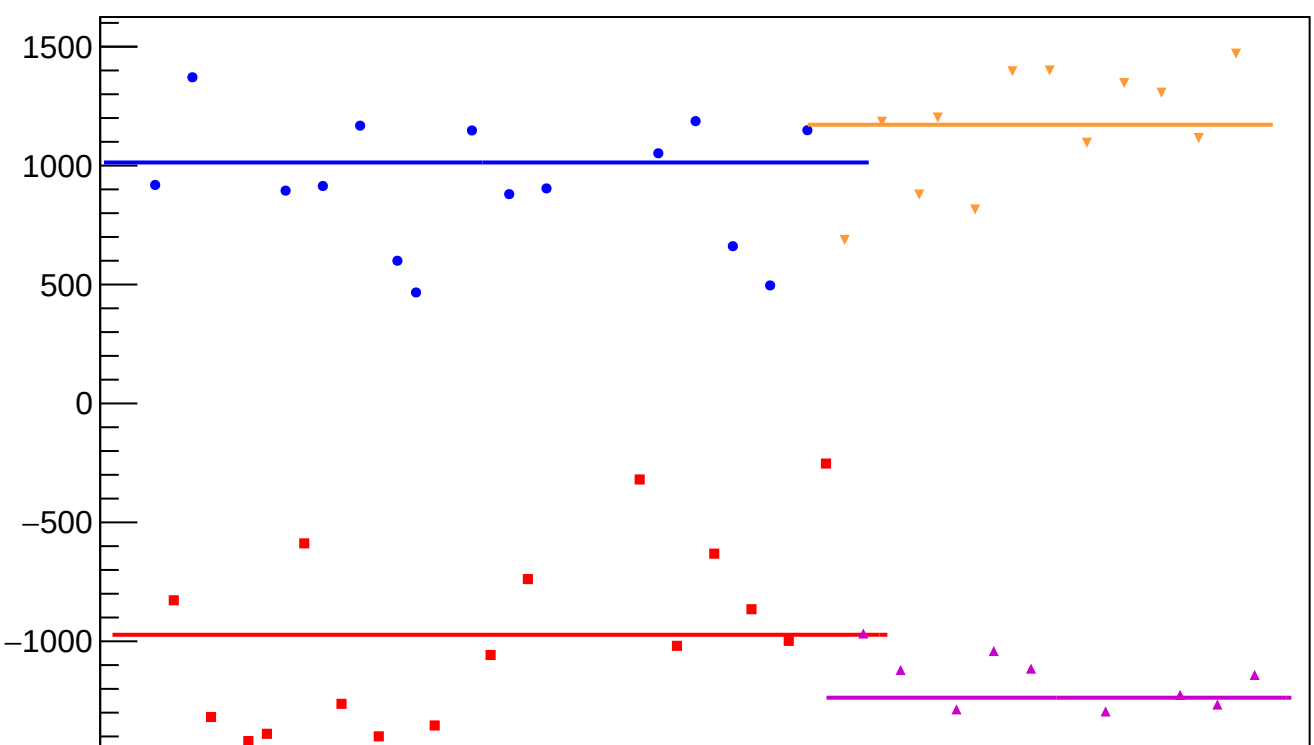
Right: 0.293+/-0.000 $\chi^2$/NDF: 64106471830391853

In: 1.011+/-0.000 $\chi^2$/NDF:4137923473893372080

Out: -0.826+/-0.000 $\chi^2$/NDF:2382007871532663 3

All: 0.090+/-0.000 $\chi^2$/NDF: 6785950193178 3

# dit_4eX_coil6_Ndata_mean vs Slug, Sign Corrected




Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436

Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14

Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2

Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722 1888.0/11

In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9

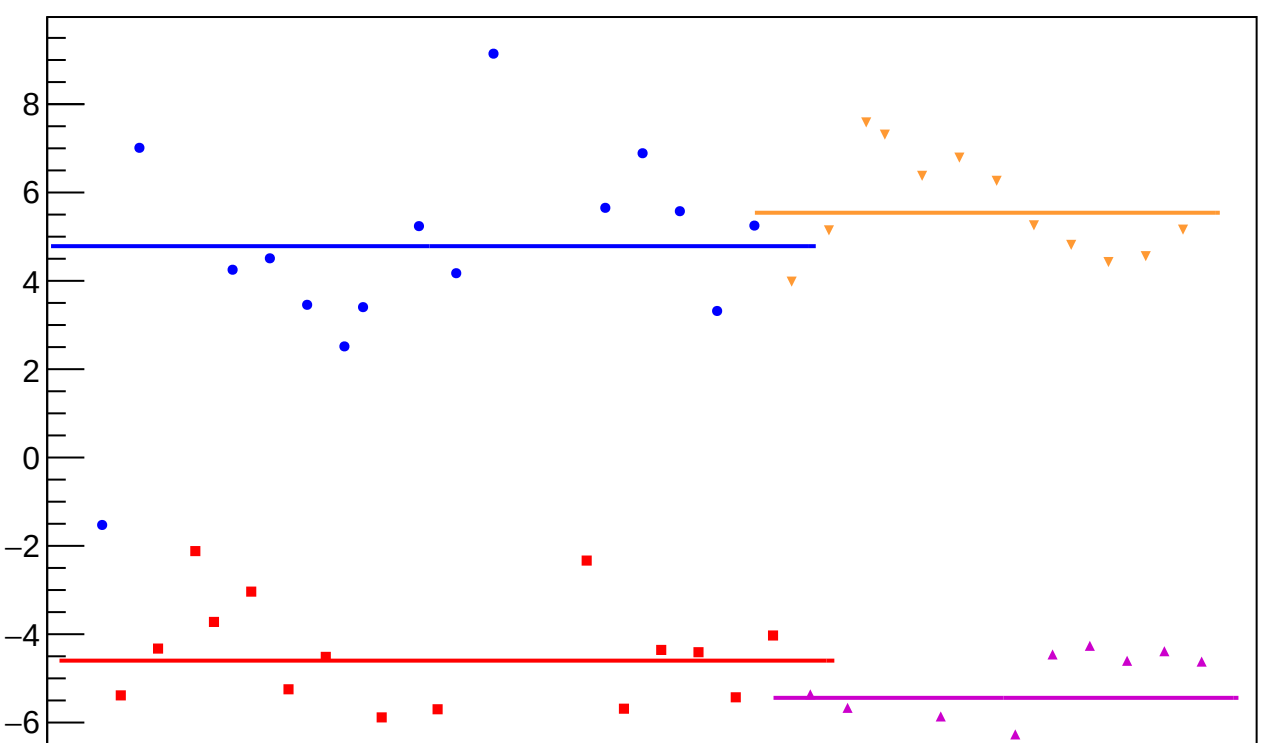
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682 34752.0/15

Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6

Left In: -1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236 72320.0/10

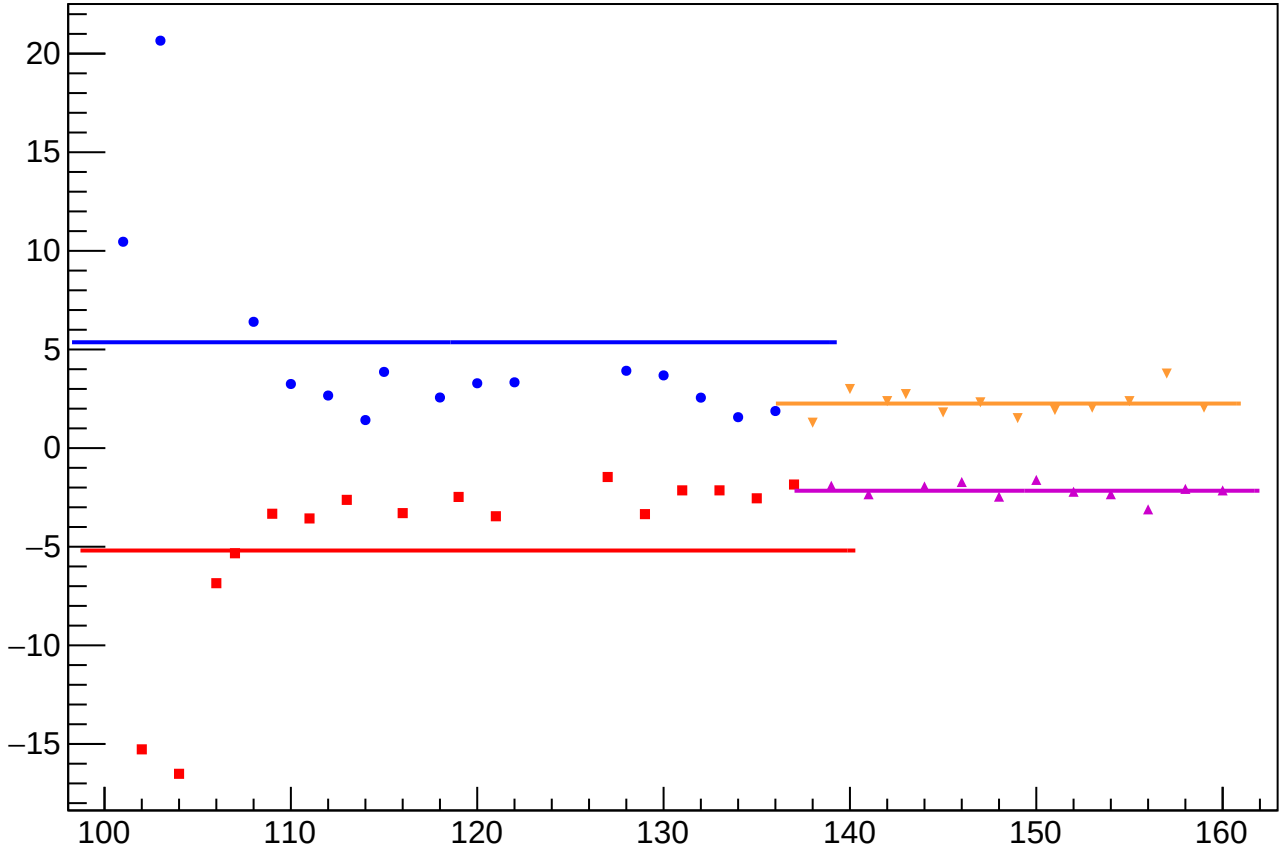
All: -20.037+/-0.000 $\chi^2$/NDF: 41583009966 8

# dit_11X12X_coil6_mean vs Slug, Sign Corrected




Left: 0.021+/-0.000 $\chi^2$/NDF: 57456947506908561
Right In: 4.785+/-0.000 $\chi^2$/NDF: 399655607315477971180815947032166 4,0/14
Right: 0.029+/-0.000 $\chi^2$/NDF: 3394856656842674 2
Left Out: 5.542+/-0.000 $\chi^2$/NDF:1063589592141187742244511087067136,0/11
In: -1.222+/-0.000 $\chi^2$/NDF:448312824685683470
Right Out: -4.598+/-0.000 $\chi^2$/NDF: 98960715679294863324763277964083 2.0/15
Out: 1.264+/-0.000 $\chi^2$/NDF:41702445109465698 4
Left In: -5.441+/-0.000 $\chi^2$/NDF:969147874620390855399339032838144.0/10
All: 0.024+/-0.000 $\chi^2$/NDF: 9140557061234 9

# dit_11X12X_coil6_err_mean vs Slug, Sign Corrected




Left: 0.037+/-0.000 $\chi^2$/NDF: 951216511750757833

Right In: 5.366+/-0.000 $\chi^2$/NDF: 1878072472206349709615300930122547 2.0/14

Right: 0.015+/-0.000 $\chi^2$/NDF: 7119941384422655 3

Left Out: 2.259+/-0.000 $\chi^2$/NDF:39539961495195911612782151624294 4.0/11

In: 0.944+/-0.000 $\chi^2$/NDF:4052171462043791024

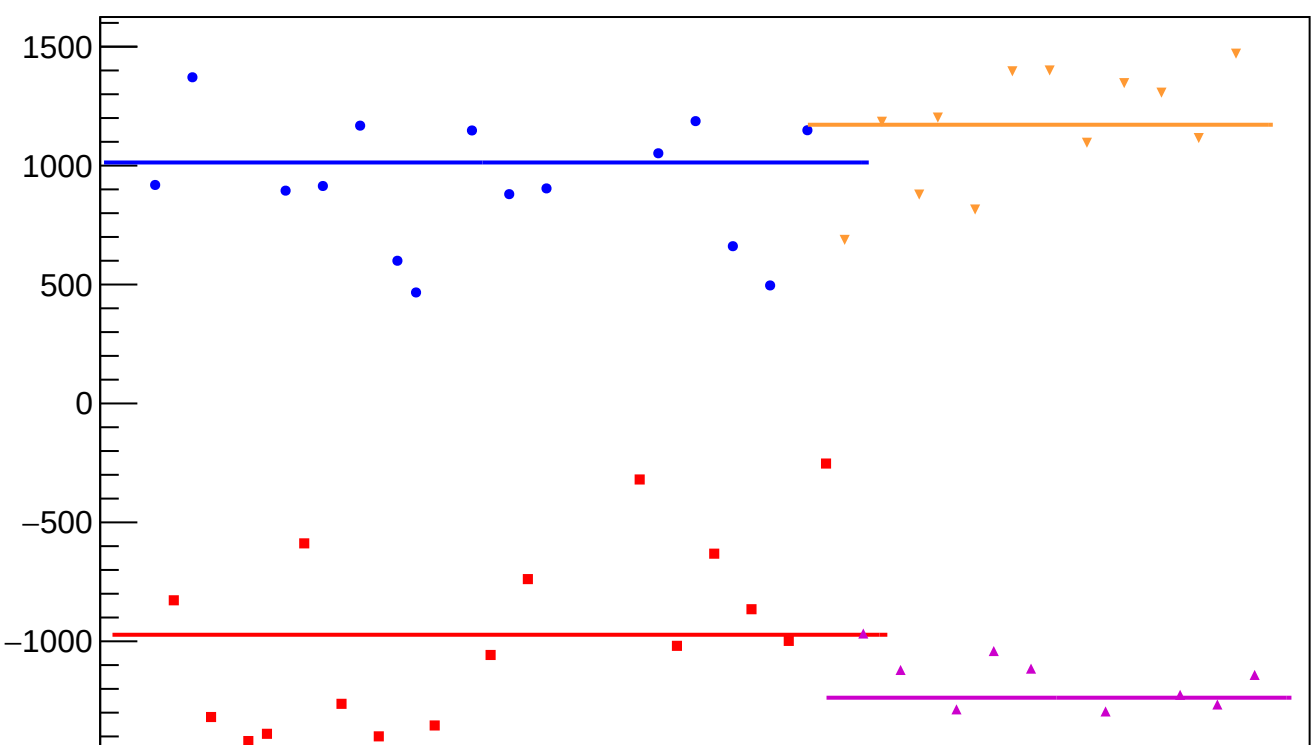
Right Out: -5.192+/-0.000 $\chi^2$/NDF: 1574957375494534575443243695289 1392.0/15

Out: -0.885+/-0.000 $\chi^2$/NDF:3755287546995295 3

Left In: -2.162+/-0.000 $\chi^2$/NDF:1383679388391032485467510496296 96.0/10

All: 0.027+/-0.000 $\chi^2$/NDF: 8071194607126 6

# dit_11X12X_coil6_Ndata_mean vs Slug, Sign Corrected




Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436

Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14

Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2

Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722188 8.0/11

In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9

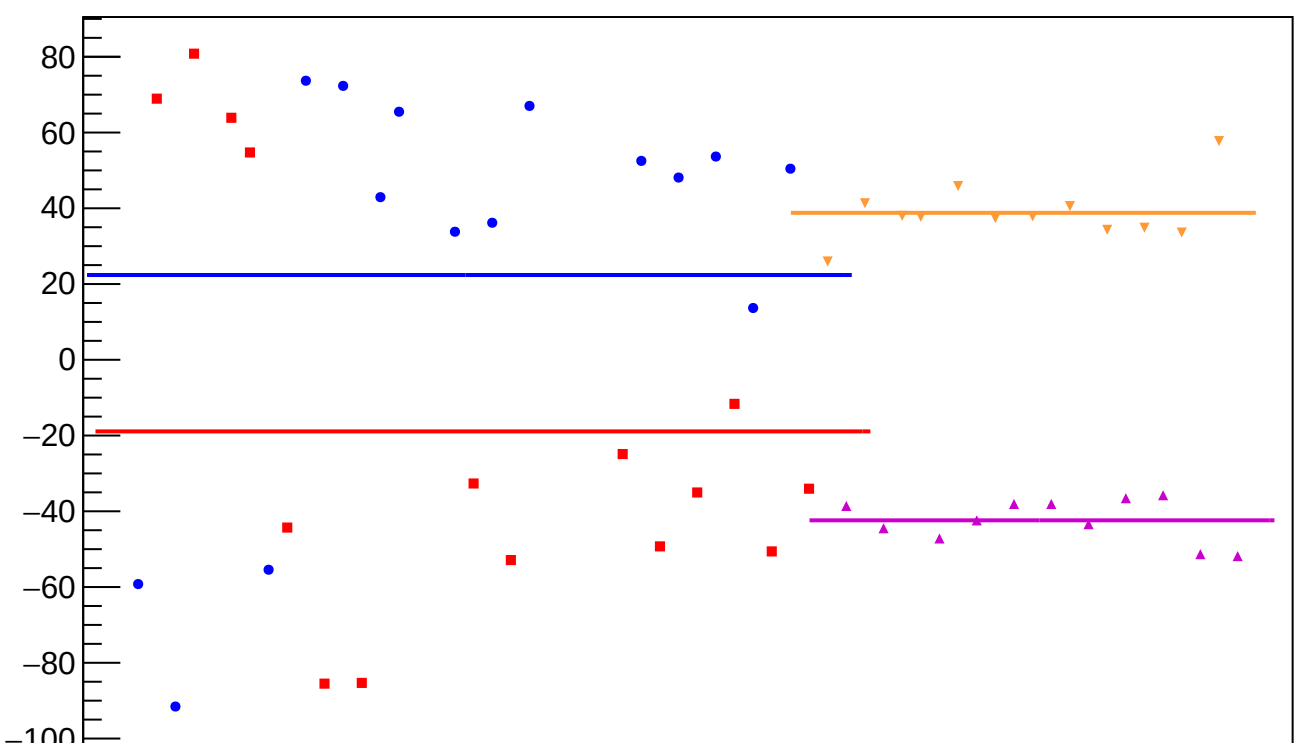
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15

Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6

Left In: -1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367232 0.0/10

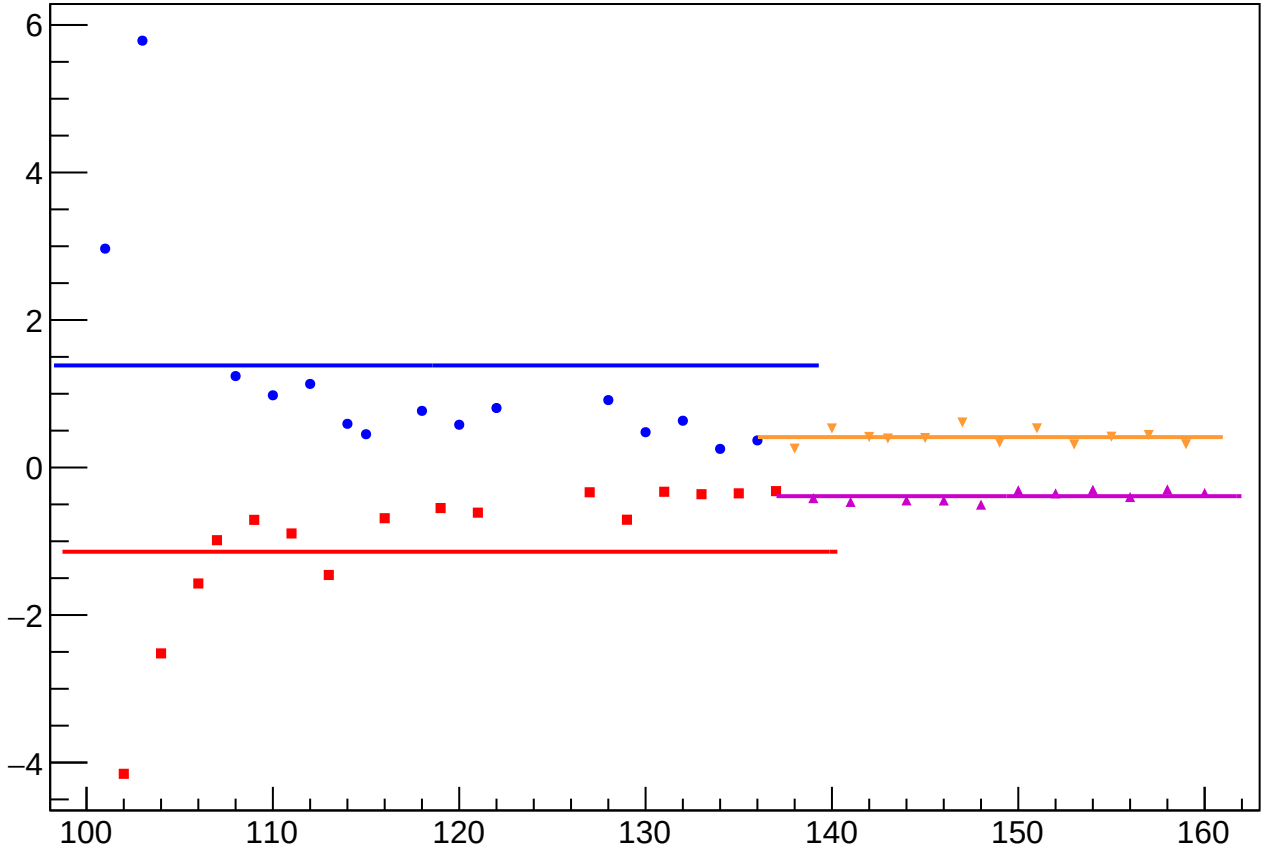
All: -20.037+/-0.000 $\chi^2$/NDF: 41583009966 8

# dit_4aY_coil6_mean vs Slug, Sign Corrected




Left: -2.011+/-0.000 $\chi^2$/NDF: 31072160739853167
Right In: 22.385+/-0.000 $\chi^2$/NDF: 192226086002359263779409418332300 9024.0/14
Right: 1.456+/-0.000 $\chi^2$/NDF: 46653243676344267
Left Out: 38.806+/-0.000 $\chi^2$/NDF:516499052921885882041725317661327 36.0/11
In: -15.663+/-0.000 $\chi^2$/NDF:35481778634917281
Right Out: -18.907+/-0.000 $\chi^2$/NDF: 218222180840815629359399399275783 7824.0/15
Out: 14.458+/-0.000 $\chi^2$/NDF:35182359761379109
Left In: -42.386+/-0.000 $\chi^2$/NDF:265556601285629865530169274862141 44.0/10
All: -0.564+/-0.000 $\chi^2$/NDF: 7781760585963

# dit_4aY_coil6_err_mean vs Slug, Sign Corrected




Left: 0.010+/-0.000 $\chi^2$/NDF: 30849529651621156

Right In: 1.384+/-0.000 $\chi^2$/NDF: 157115932410206412048794093669580 8.0/14

Right: 0.104+/-0.000 $\chi^2$/NDF: 4480295700772902 3

Left Out: 0.412+/-0.000 $\chi^2$/NDF:938241427547201867498346722099 2.0/11

In: 0.343+/-0.000 $\chi^2$/NDF:277353006534072708 9

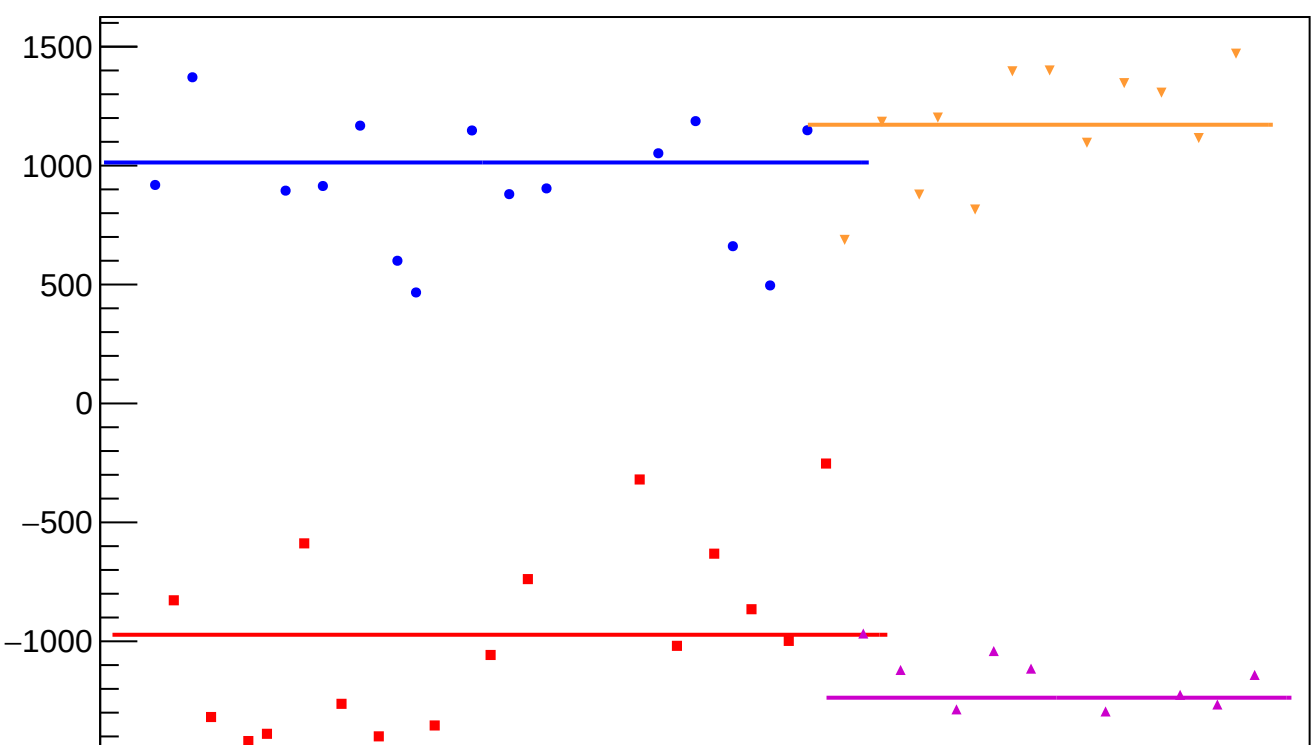
Right Out: -1.142+/-0.000 $\chi^2$/NDF: 810680738285448955223066212827136.0/15

Out: -0.243+/-0.000 $\chi^2$/NDF:17511630764332006

Left In: -0.389+/-0.000 $\chi^2$/NDF:446811213011264064139415466803 2.0/10

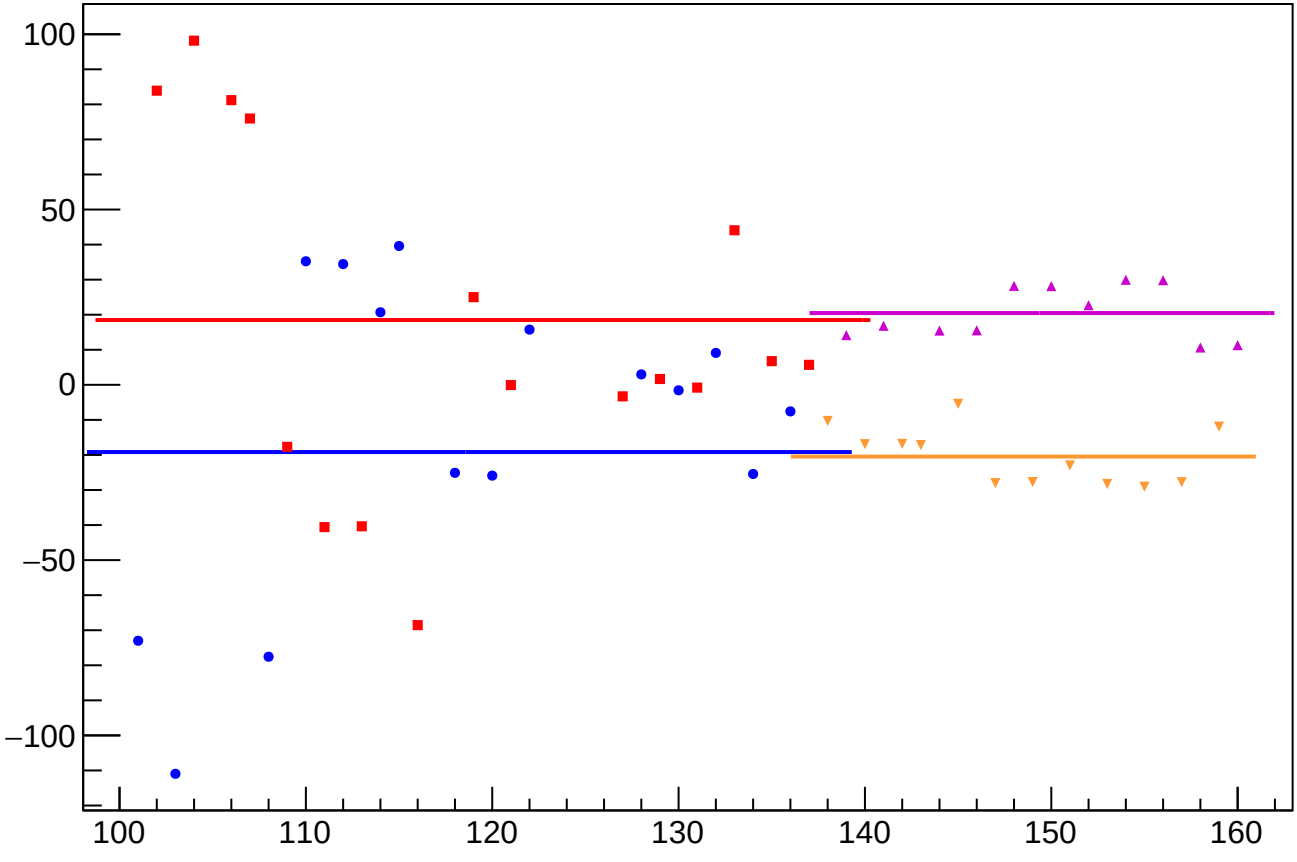
All: 0.049+/-0.000 $\chi^2$/NDF: 4795604637543 1

# dit_4aY_coil6_Ndata_mean vs Slug, Sign Corrected




Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722188 8.0/11
In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6
Left In: -1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367232 0.0/10
All: -20.037+/-0.000 $\chi^2$/NDF: 41583009966 8

# dit_4eY_coil6_mean vs Slug, Sign Corrected




Left: 0.115+/-0.000 $\chi^2$/NDF: 877202582639736103

Right In: -19.175+/-0.000 $\chi^2$/NDF: 1246364705689764961102868160463241216.0/14

Right: -0.091+/-0.000 $\chi^2$/NDF: 3202145485356183

Left Out: -20.466+/-0.000 $\chi^2$/NDF:5862838192367345729443358951289651 2.0/11

In: 4.115+/-0.000 $\chi^2$/NDF:189413859306817838

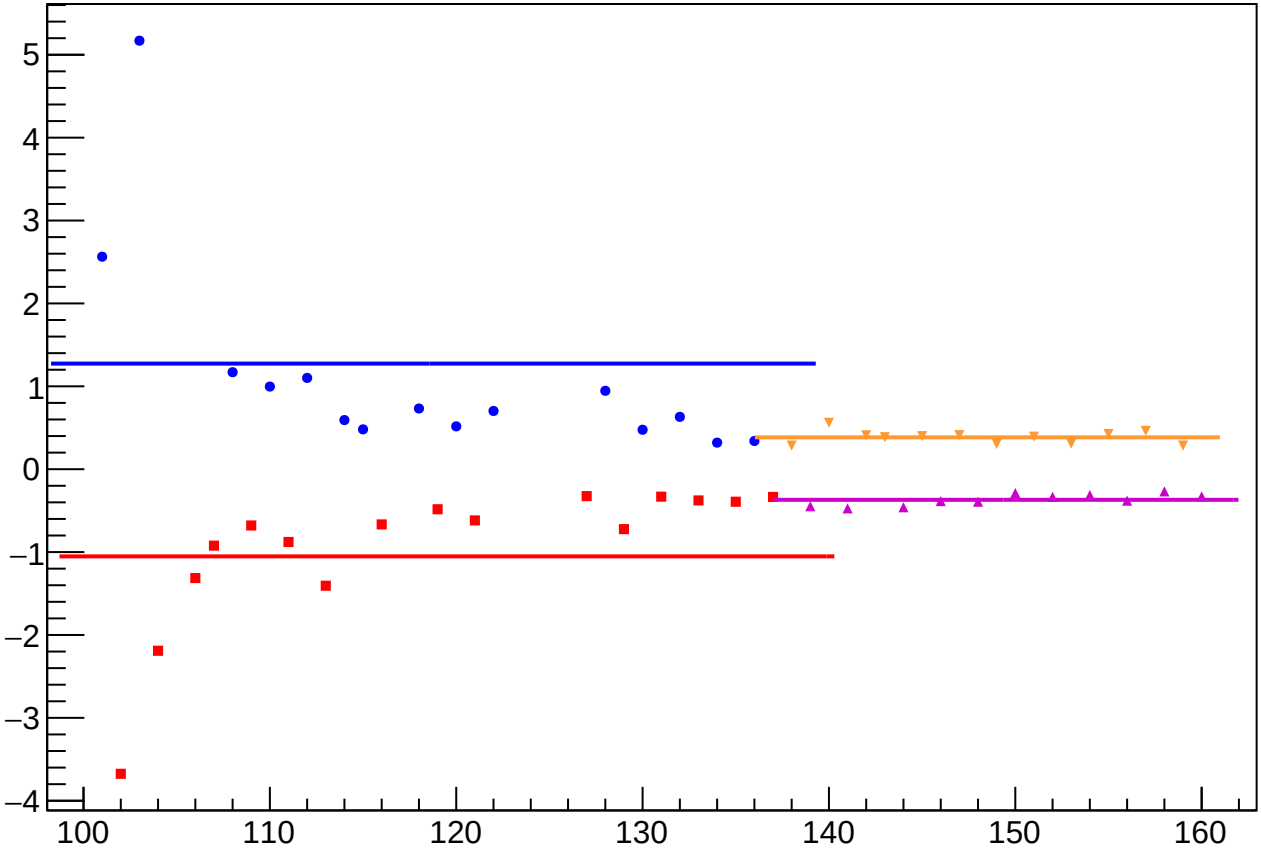
Right Out: 18.479+/-0.000 $\chi^2$/NDF: 1489398115046175180640331393369374720.0/15

Out: -4.035+/-0.000 $\chi^2$/NDF:21328659955407988

Left In: 20.473+/-0.000 $\chi^2$/NDF:4848495336334982011034847893730099 2.0/10

All: 0.029+/-0.000 $\chi^2$/NDF: 4079380498302

# dit_4eY_coil6_err_mean vs Slug, Sign Corrected




Left: 0.005+/-0.000 $\chi^2$/NDF: 270980526388398617

Right In: 1.274+/-0.000 $\chi^2$/NDF: 1212041476631073599154045304438784.0/14

Right: 0.095+/-0.000 $\chi^2$/NDF: 3598732831032468 2

Left Out: 0.384+/-0.000 $\chi^2$/NDF:582232202907859826826012943974 4.0/11

In: 0.309+/-0.000 $\chi^2$/NDF:224568466689180780 5

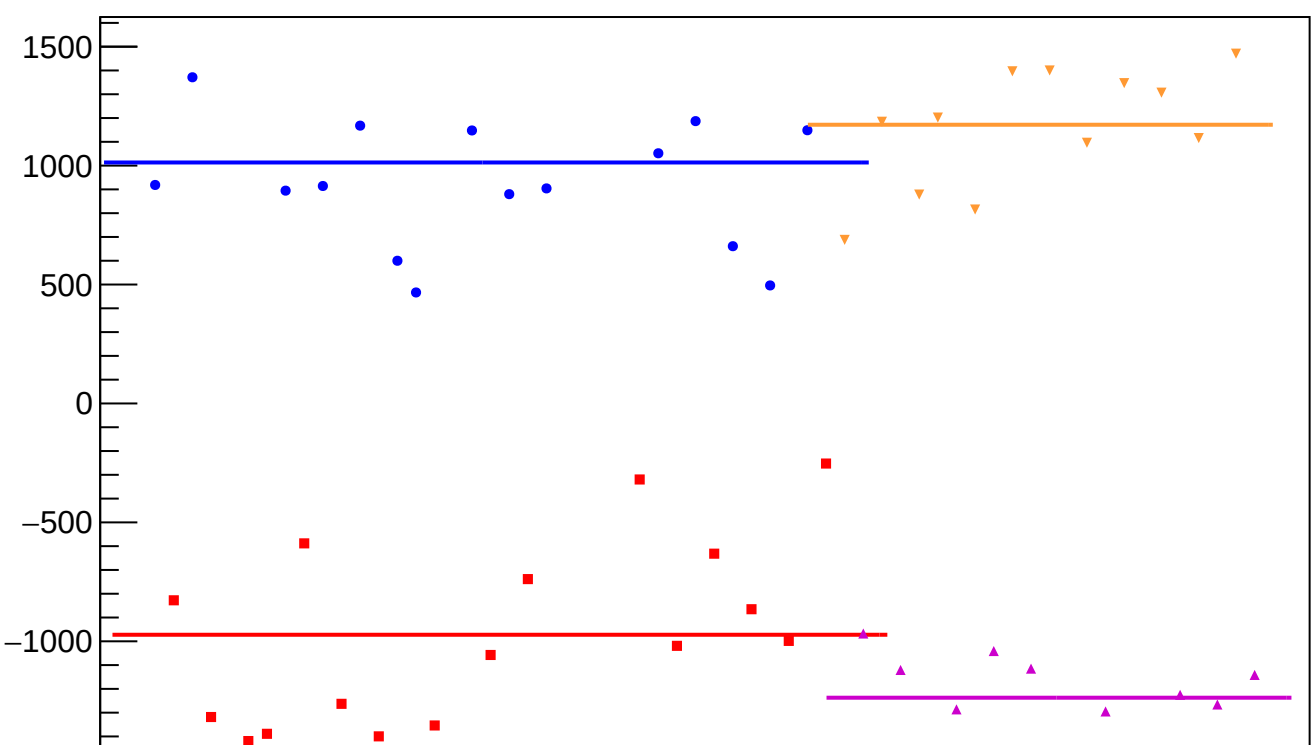
Right Out: -1.052+/-0.000 $\chi^2$/NDF: 607316121057753919194559126962176.0/15

Out: -0.222+/-0.000 $\chi^2$/NDF:1408503689243692 0

Left In: -0.369+/-0.000 $\chi^2$/NDF:4166350638848138676707816112128.0/10

All: 0.043+/-0.000 $\chi^2$/NDF: 3875882838199 7

# dit_4eY_coil6_Ndata_mean vs Slug, Sign Corrected




Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14

Left Out: 1171.807+/-0.000 $\chi^2$/NDF:524249012820985838563124925770372218 88.0/11

Right Out: -972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15

Left In: -1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236723 20.0/10

Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436

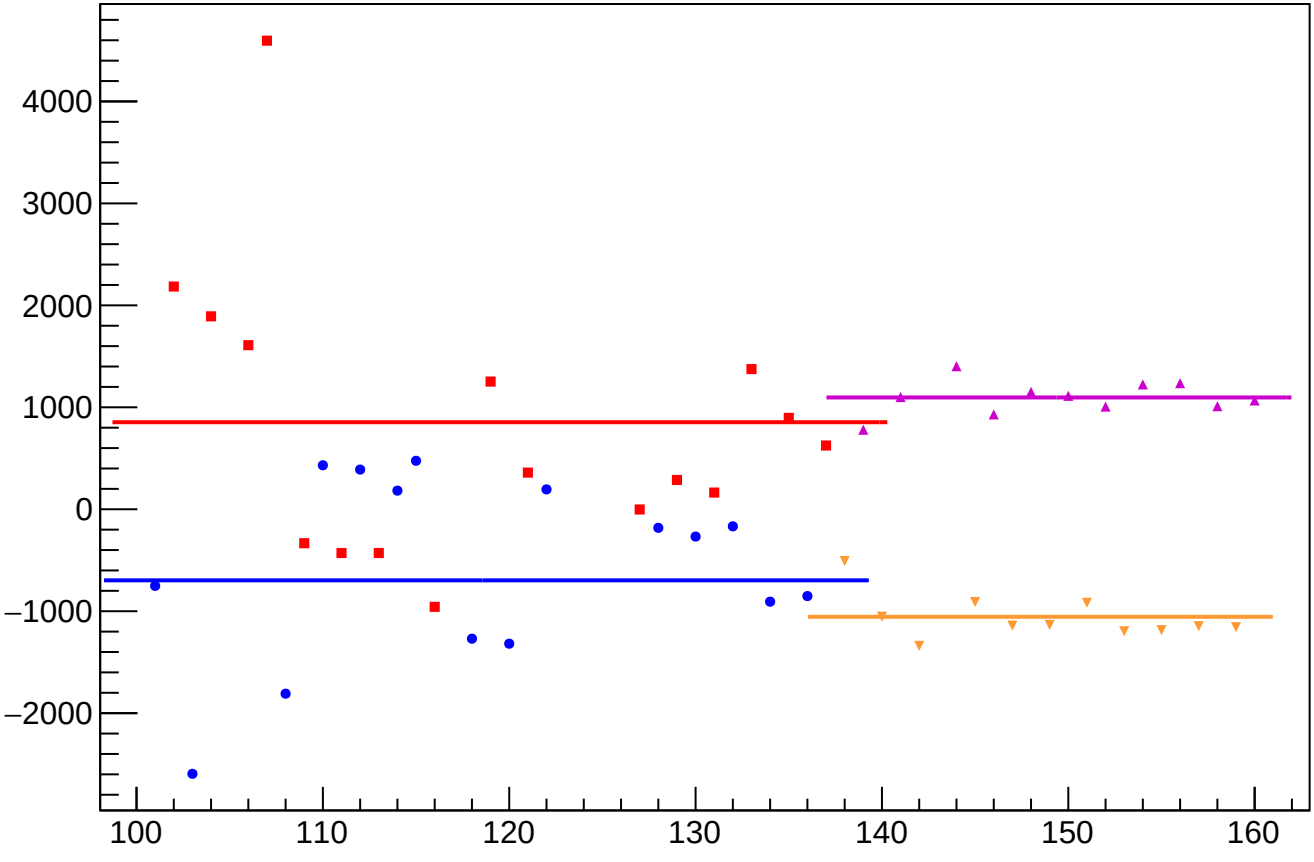
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173032

In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9

Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6

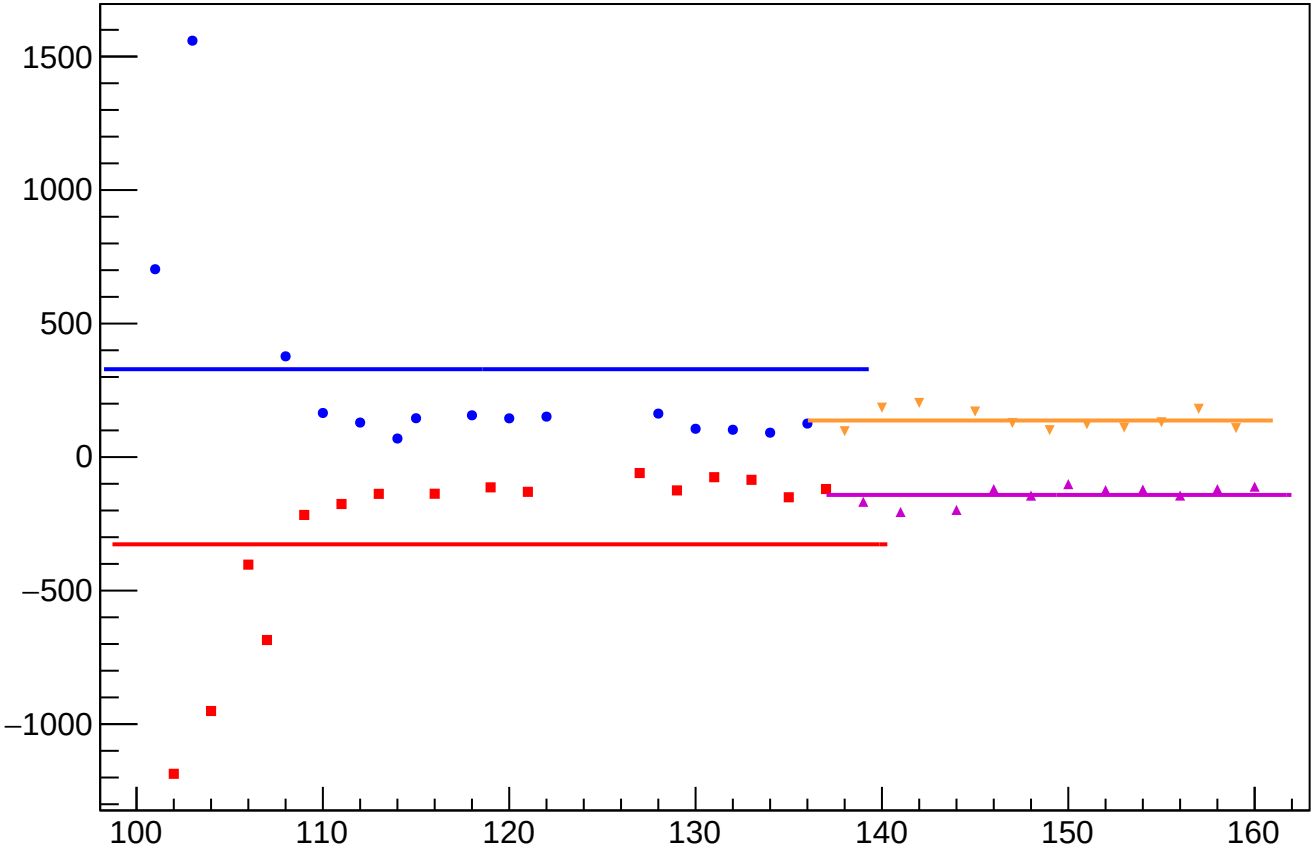
All: -20.037+/-0.000 $\chi^2$/NDF: 415830099668

# dit_usl_coil6_mean vs Slug, Sign Corrected



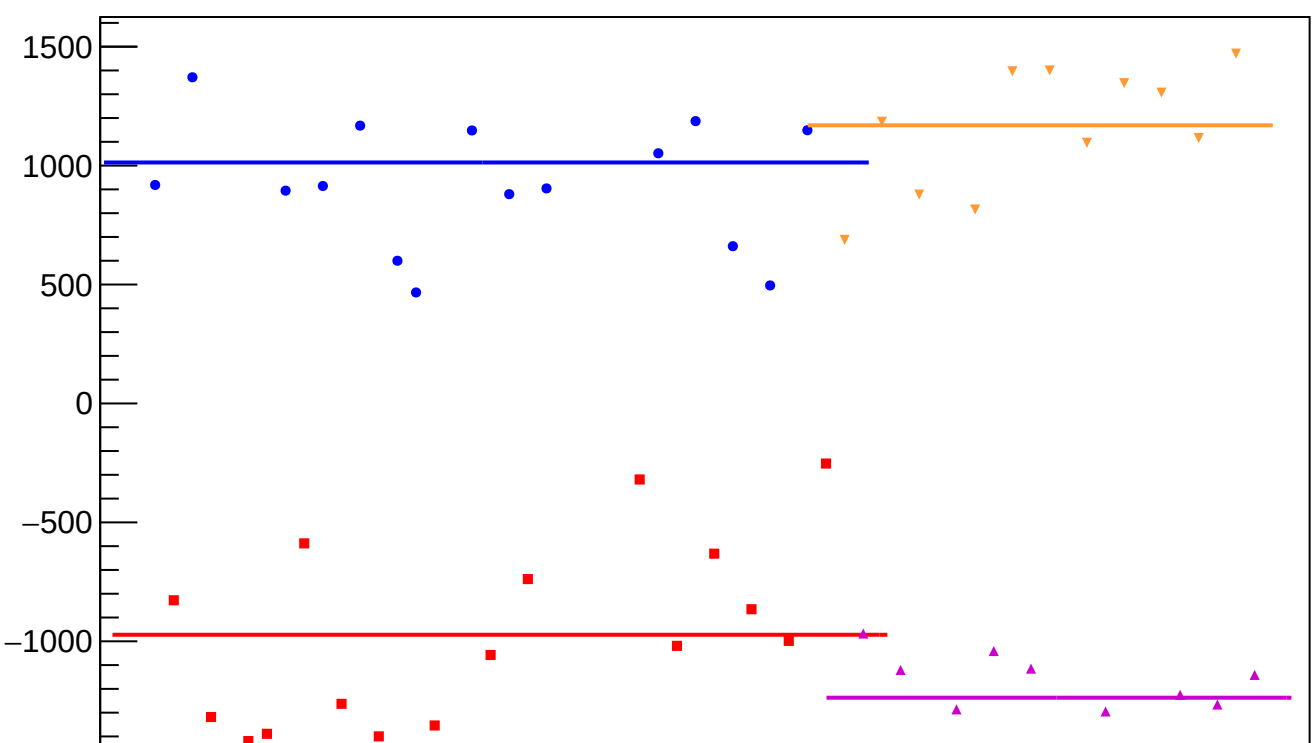

Left: 67.682+/-0.000 $\chi^2$/NDF: 2104282925537346
Right In: -697.283+/-0.000 $\chi^2$/NDF: 4904357906981338284757696929443642081 28.0/14
Right: 88.833+/-0.000 $\chi^2$/NDF: 2360125827736184
Left Out: -1054.675+/-0.000 $\chi^2$/NDF:3589341456175128983102800453580514918 4.0/10
In: 356.413+/-0.000 $\chi^2$/NDF:1740513713272145
Right Out: 853.734+/-0.000 $\chi^2$/NDF: 1078379020126412317155932275156201766912.0/15
Out: -213.916+/-0.000 $\chi^2$/NDF:247329313672222
Left In: 1096.508+/-0.000 $\chi^2$/NDF:2339709246408509237500801467455792742 4.0/10
All: 76.698+/-0.000 $\chi^2$/NDF: 446474651350

# dit_usl_coil6_err_mean vs Slug, Sign Corrected




Left: -8.396+/-0.000 $\chi^2$/NDF: 36384355238386043
Right In: 329.108+/-0.000 $\chi^2$/NDF: 116863820700538623524207945698672377856.0/14
Right: -3.278+/-0.000 $\chi^2$/NDF: 3459018192319126
Left Out: 137.012+/-0.000 $\chi^2$/NDF:101436281743819413270965517262258176 0.0/10
In: 52.557+/-0.000 $\chi^2$/NDF:20240803637991835
Right Out: -326.695+/-0.000 $\chi^2$/NDF: 875691233543180206886110284151079424.0/15
Out: -67.276+/-0.000 $\chi^2$/NDF:1688197715864031
Left In: -141.688+/-0.000 $\chi^2$/NDF:1044882408057849194081424130600599552.0/10
All: -6.215+/-0.000 $\chi^2$/NDF: 3823059515642

# dit_usl_coil6_Ndata_mean vs Slug, Sign Corrected




Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14

Left Out: 1169.420+/-0.000 $\chi^2$/NDF:523590585284842121529758179305539502 08.0/10

Right Out: -972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15

Left In: -1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236723 20.0/10

Left: -86.182+/-0.000 $\chi^2$/NDF: 2642058453366472

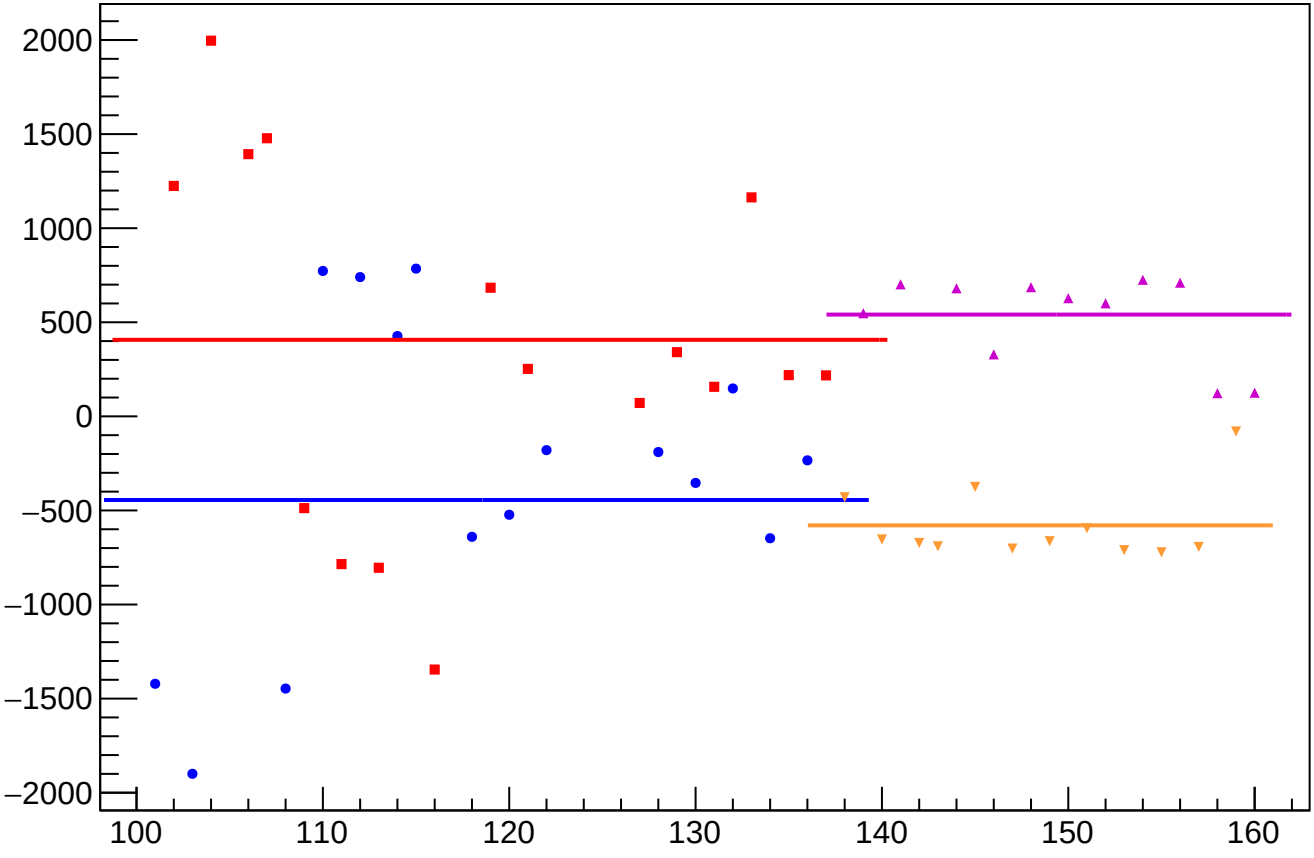
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173032

In: -308.706+/-0.000 $\chi^2$/NDF:1992534711877389

Out: 225.803+/-0.000 $\chi^2$/NDF:184313289738696 9

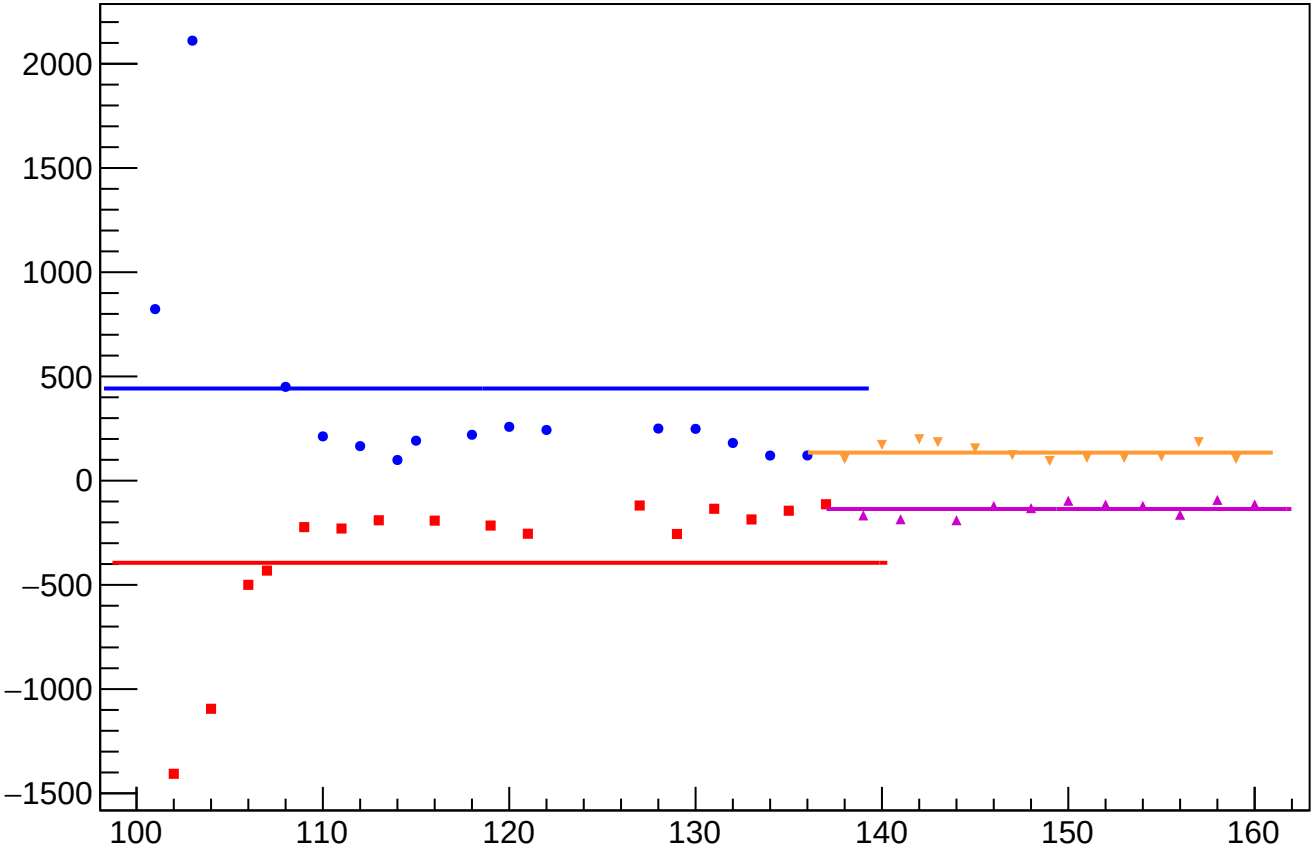
All: -46.560+/-0.000 $\chi^2$/NDF: 405607578172

# dit_usr_coil6_mean vs Slug, Sign Corrected



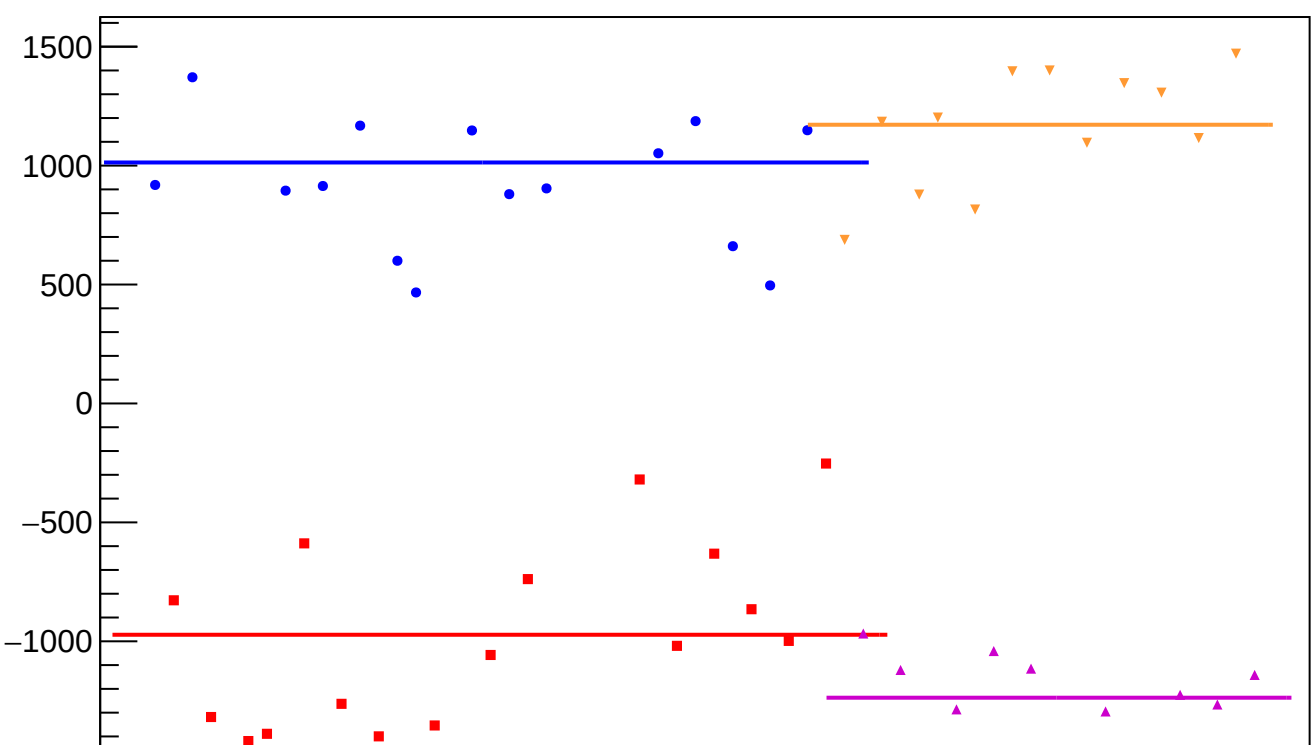

Left: -16.168+/-0.000 $\chi^2$/NDF: 6517518654293770
Right In: -444.512+/-0.000 $\chi^2$/NDF: 396481903501593703066535851229953654784.0/14
Right: -13.070+/-0.000 $\chi^2$/NDF: 116395703795034
Left Out: -579.272+/-0.000 $\chi^2$/NDF:325845815245288609415955974070426664 96.0/11
In: 134.297+/-0.000 $\chi^2$/NDF:8092974397051261
Right Out: 406.729+/-0.000 $\chi^2$/NDF: 529122421866774810012941782239129108480.0/15
Out: -163.293+/-0.000 $\chi^2$/NDF:936589740364006
Left In: 540.842+/-0.000 $\chi^2$/NDF:426701933174978179110303674663666974 72.0/10
All: -14.875+/-0.000 $\chi^2$/NDF: 181571626575

# dit_usr_coil6_err_mean vs Slug, Sign Corrected




Left: -1.475+/-0.000 $\chi^2$/NDF: 3578033492733562
Right In: 442.162+/-0.000 $\chi^2$/NDF: 204015999343694089140945697316947361792.0/14
Right: 18.346+/-0.000 $\chi^2$/NDF: 5398999467995186
Left Out: 134.562+/-0.000 $\chi^2$/NDF:112312226540328749702431763383451648 0.0/11
In: 102.519+/-0.000 $\chi^2$/NDF:3324792030210218
Right Out: -394.033+/-0.000 $\chi^2$/NDF: 105882611624182009489804426207740035072.0/15
Out: -88.444+/-0.000 $\chi^2$/NDF:2147483337083206
Left In: -136.040+/-0.000 $\chi^2$/NDF:101109306147965052726112745049554 9440.0/10
All: 6.795+/-0.000 $\chi^2$/NDF: 5759815630921

# dit_usr_coil6_Ndata_mean vs Slug, Sign Corrected




Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14

Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722188 8.0/11

Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15

Left In: -1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367232 0.0/10

Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436

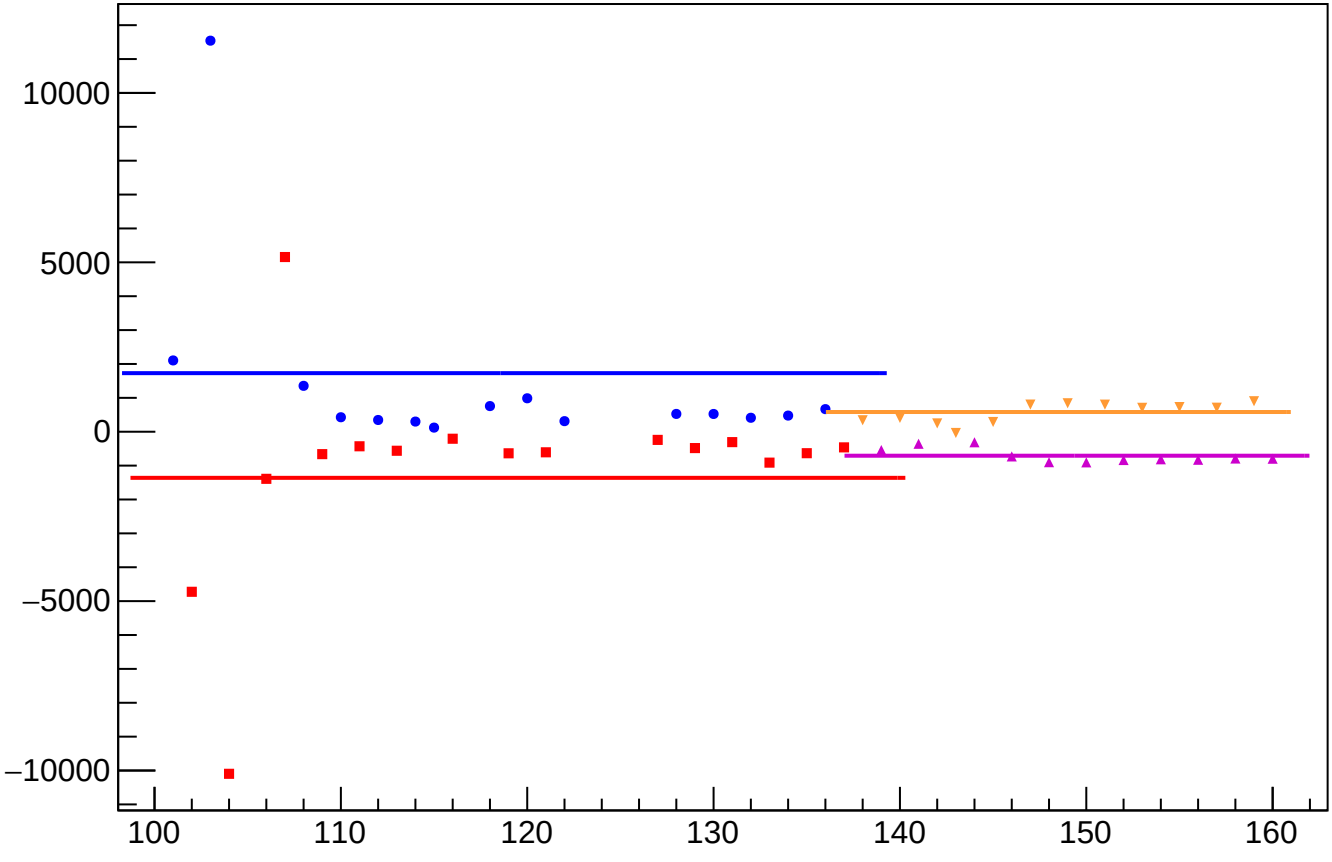
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173032

In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9

Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6

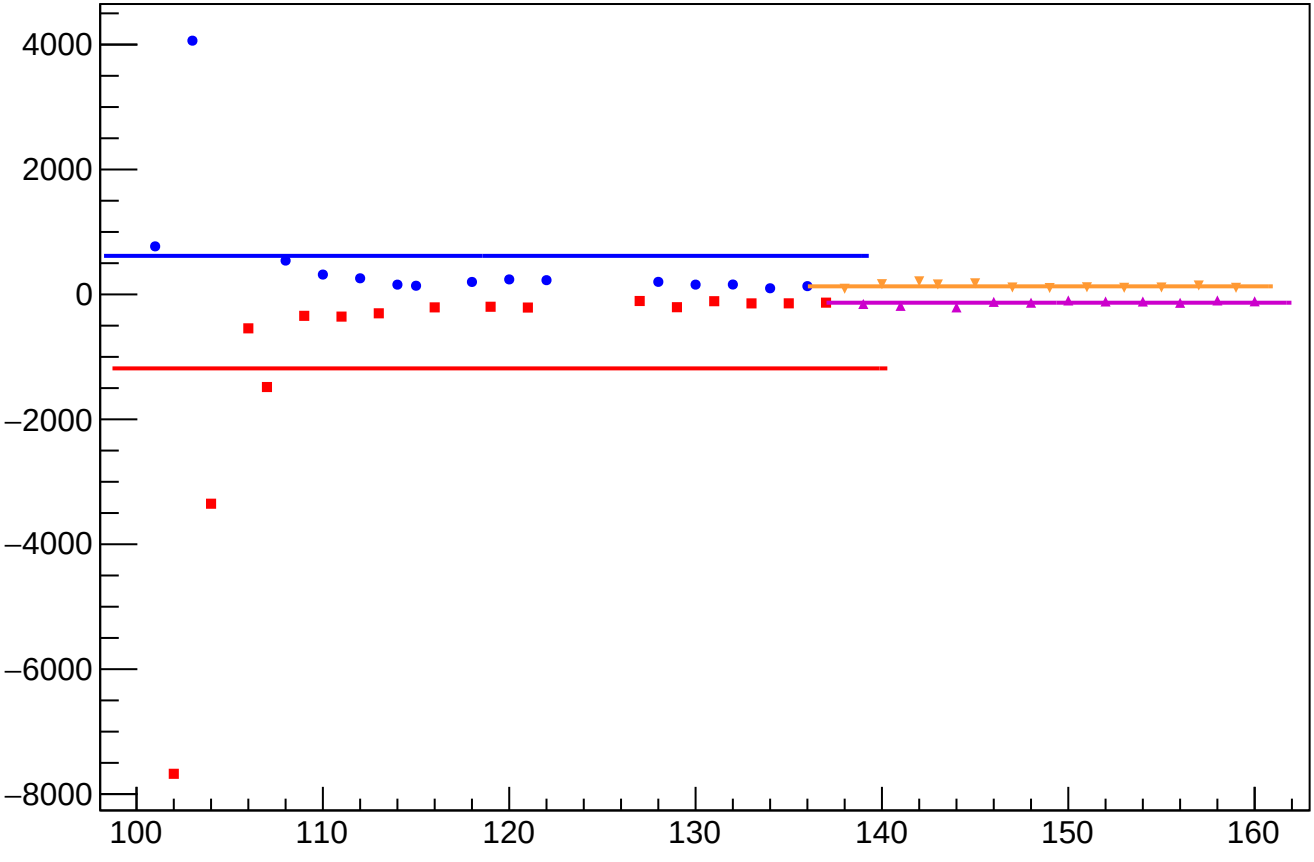
All: -20.037+/-0.000 $\chi^2$/NDF: 41583009966 8

# dit_atl1_coil6_mean vs Slug, Sign Corrected




Left: -66.378+/-0.000 $\chi^2$/NDF: 8728806118871986
Right In: 1729.013+/-0.000 $\chi^2$/NDF: 6413121297273347408075624116507964866560.0/14
Right: 162.918+/-0.000 $\chi^2$/NDF: 159853161210173
Left Out: 582.152+/-0.000 $\chi^2$/NDF:7008377264783148612573298976880171417 6.0/11
In: 297.546+/-0.000 $\chi^2$/NDF:8715174091100298 3
Right Out: -1360.914+/-0.000 $\chi^2$/NDF: 6431605933148863413038417850186506174464.0/15
Out: -237.598+/-0.000 $\chi^2$/NDF:795753517913564
Left In: -707.889+/-0.000 $\chi^2$/NDF:3811648618881798069903242600243213 1072.0/10
All: 29.296+/-0.000 $\chi^2$/NDF: 1689851779226

# dit_atl1_coil6_err_mean vs Slug, Sign Corrected




Left: -2.478+/-0.000 $\chi^2$/NDF: 33670260224072050

Right In: 617.343+/-0.000 $\chi^2$/NDF: 79236601298595419834531775026875596800 0.0/14

Right: -295.811+/-0.000 $\chi^2$/NDF: 50275218393015

Left Out: 129.339+/-0.000 $\chi^2$/NDF:98727129875870321248937043989993881 6.0/11

In: 176.659+/-0.000 $\chi^2$/NDF:1008021532552816 3

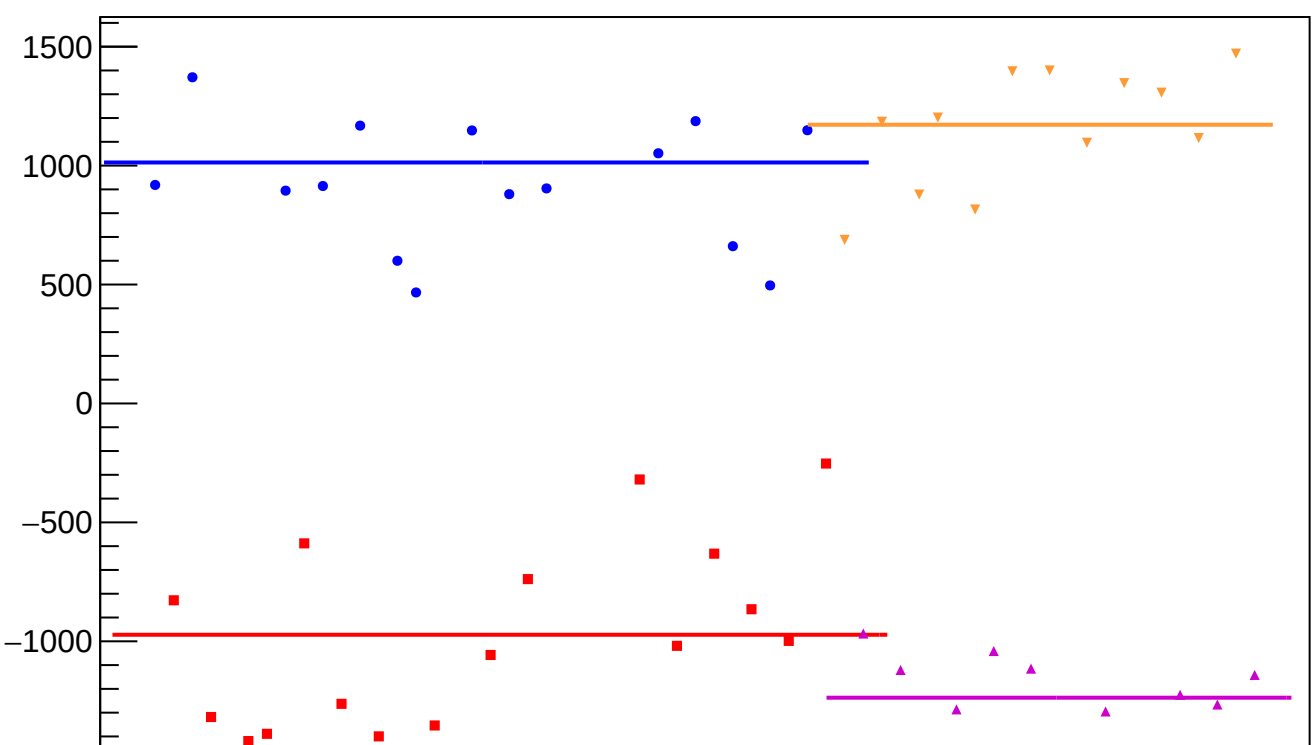
Right Out: -1184.322+/-0.000 $\chi^2$/NDF: 3167423043121242666563535820496559931392.0/15

Out: -424.874+/-0.000 $\chi^2$/NDF:383384679503055

Left In: -132.869+/-0.000 $\chi^2$/NDF:1091839085664014112201463155711279104.0/10

All: -124.871+/-0.000 $\chi^2$/NDF: 51271793033

# dit_atl1_coil6_Ndata_mean vs Slug, Sign Corrected




Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436

Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14

Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2

Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722188 8.0/11

In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9

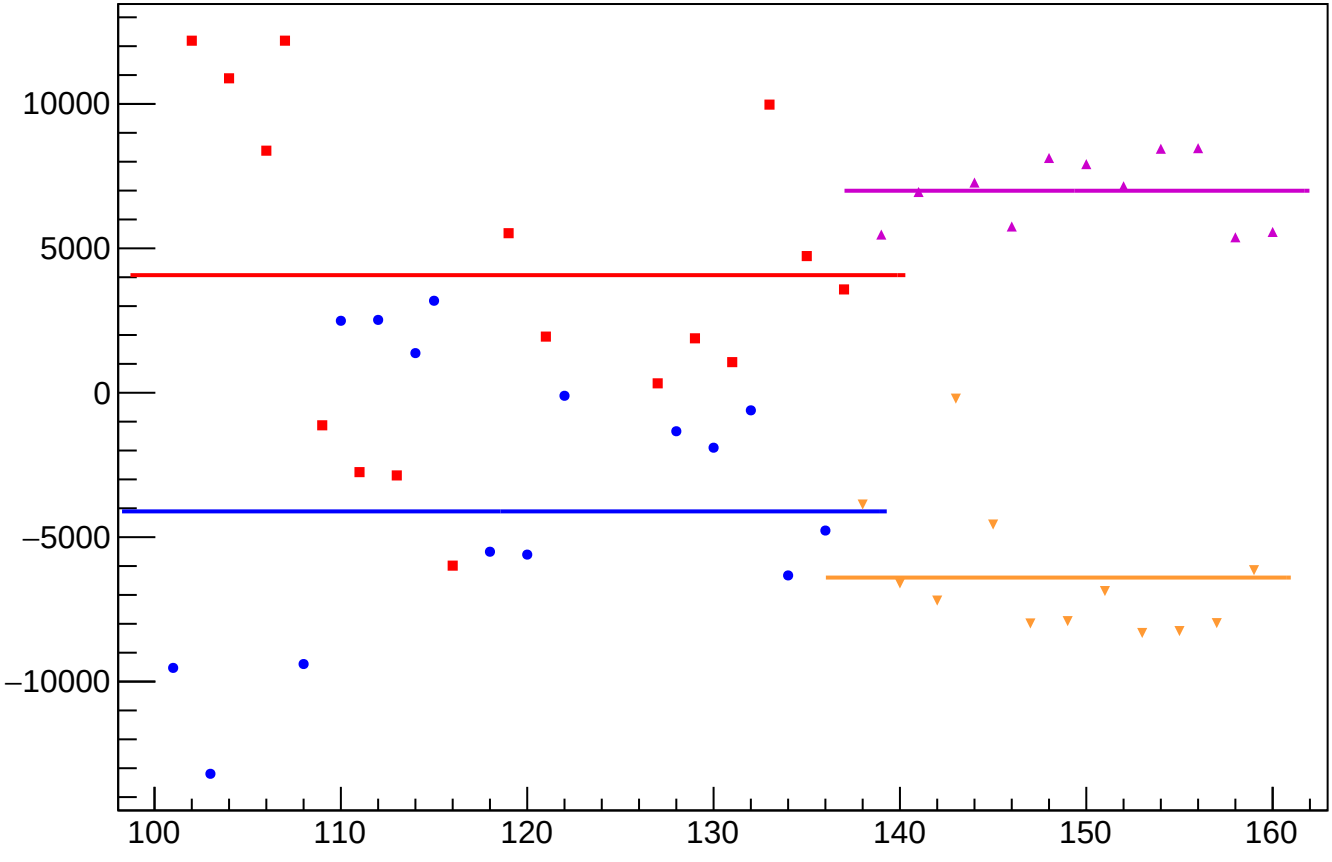
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15

Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6

Left In: -1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367232 0.0/10

All: -20.037+/-0.000 $\chi^2$/NDF: 41583009966 8

# dit_atl2_coil6_mean vs Slug, Sign Corrected




Left: 334.389+/-0.000 $\chi^2$/NDF: 882200792503166

Right In: -4107.443+/-0.000 $\chi^2$/NDF: 1452743632498203145427778083121181963059 2.0/14

Right: 38.278+/-0.000 $\chi^2$/NDF: 5690231407009786

Left Out: -6398.906+/-0.000 $\chi^2$/NDF:4560292812943761149136938286094472970240.0/11

In: 2414.162+/-0.000 $\chi^2$/NDF:6274970680925114

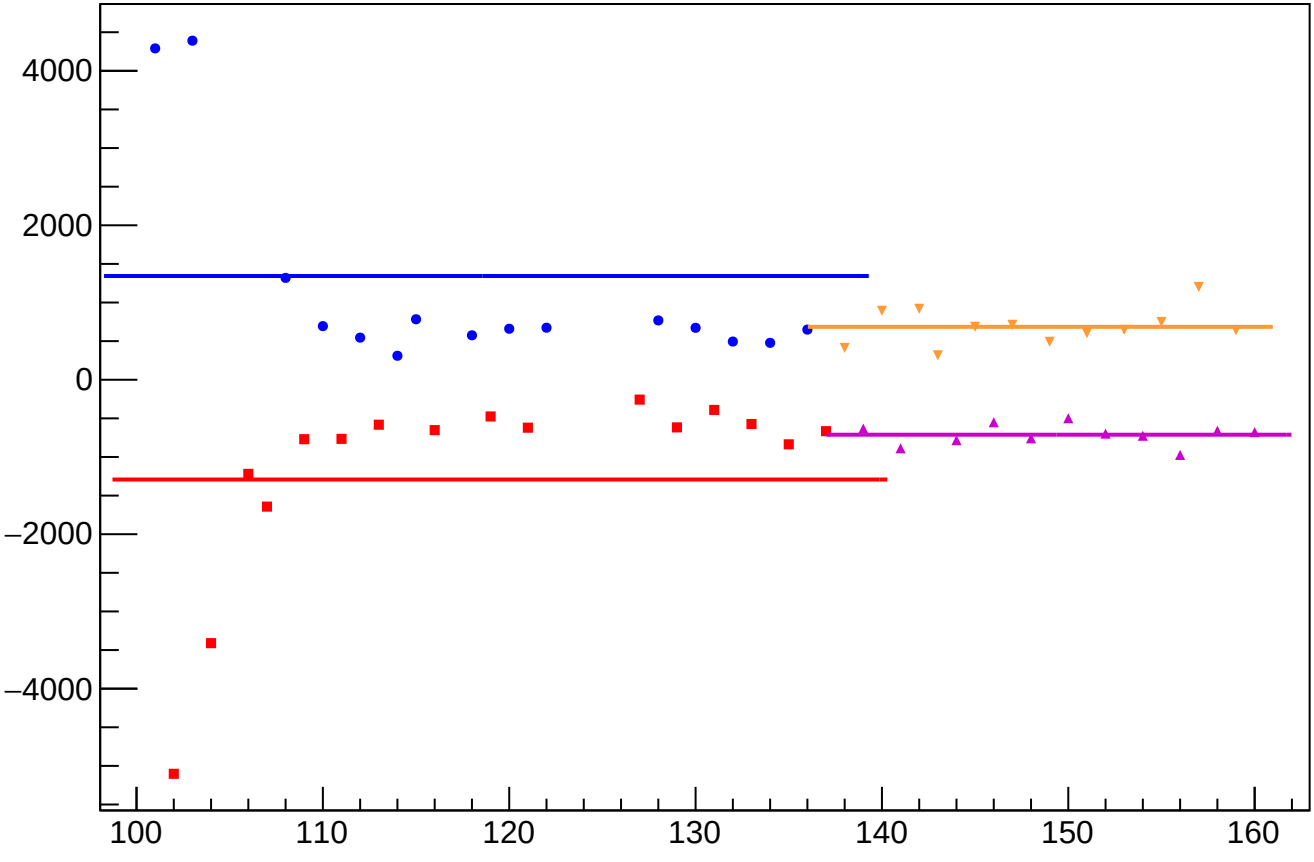
Right Out: 4072.120+/-0.000 $\chi^2$/NDF: 2036717142369016809577885467876492994150 4.0/15

Out: -1981.339+/-0.000 $\chi^2$/NDF:67205872968541

Left In: 6994.812+/-0.000 $\chi^2$/NDF:1231738289385705389055875270097690951680.0/10

All: 210.837+/-0.000 $\chi^2$/NDF: 14518963657 5

# dit_atl2_coil6_err_mean vs Slug, Sign Corrected




Left: -17.010+/-0.000 $\chi^2$/NDF: 9589871877272368

Right In: 1343.321+/-0.000 $\chi^2$/NDF: 1317478352429773686550511077330771771392.0/14

Right: 7.741+/-0.000 $\chi^2$/NDF: 49251444178656230

Left Out: 685.307+/-0.000 $\chi^2$/NDF:463332490809858132337422121534582947 84.0/11

In: 136.160+/-0.000 $\chi^2$/NDF:2943372362818716 0

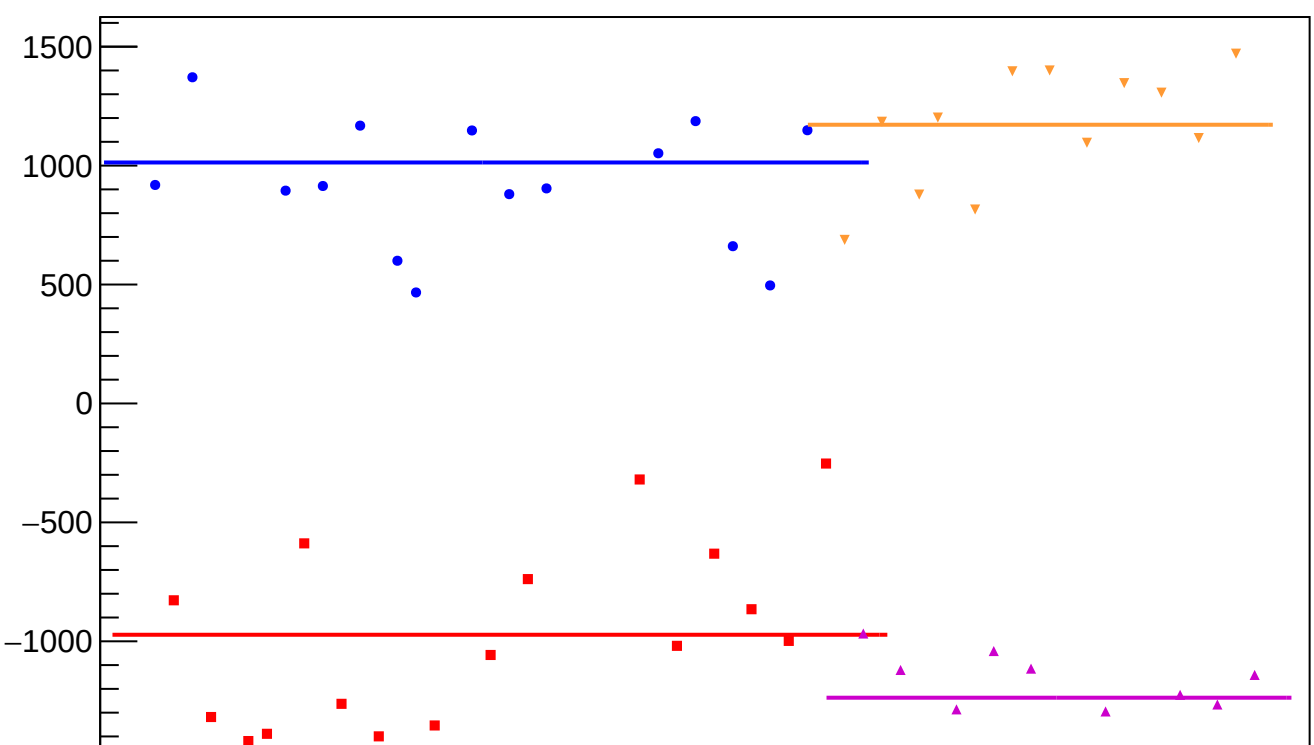
Right Out: -1291.796+/-0.000 $\chi^2$/NDF: 1323568917008872977905960011586991030272.0/15

Out: -148.803+/-0.000 $\chi^2$/NDF:287719999706056

Left In: -711.726+/-0.000 $\chi^2$/NDF:1587341997958320730706842924701712384 0.0/10

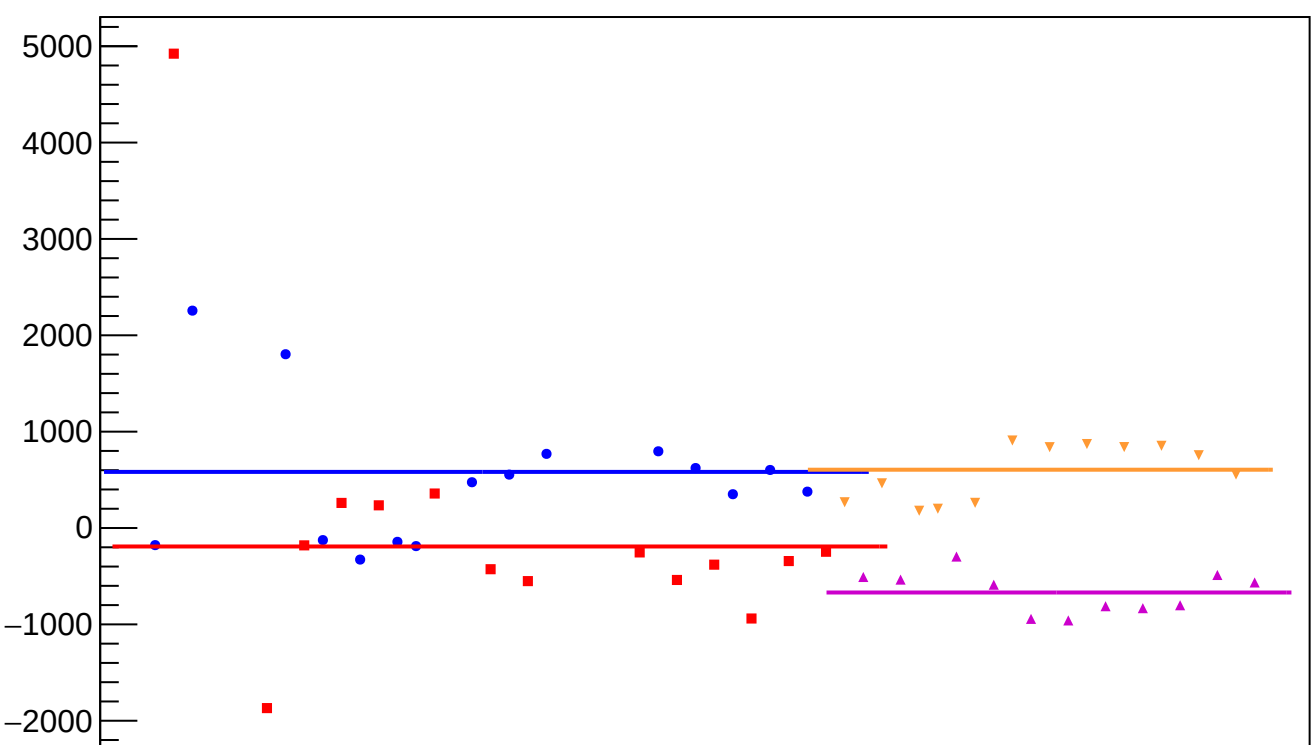
All: -6.683+/-0.000 $\chi^2$/NDF: 5884601406998

# dit_atl2_coil6_Ndata_mean vs Slug, Sign Corrected



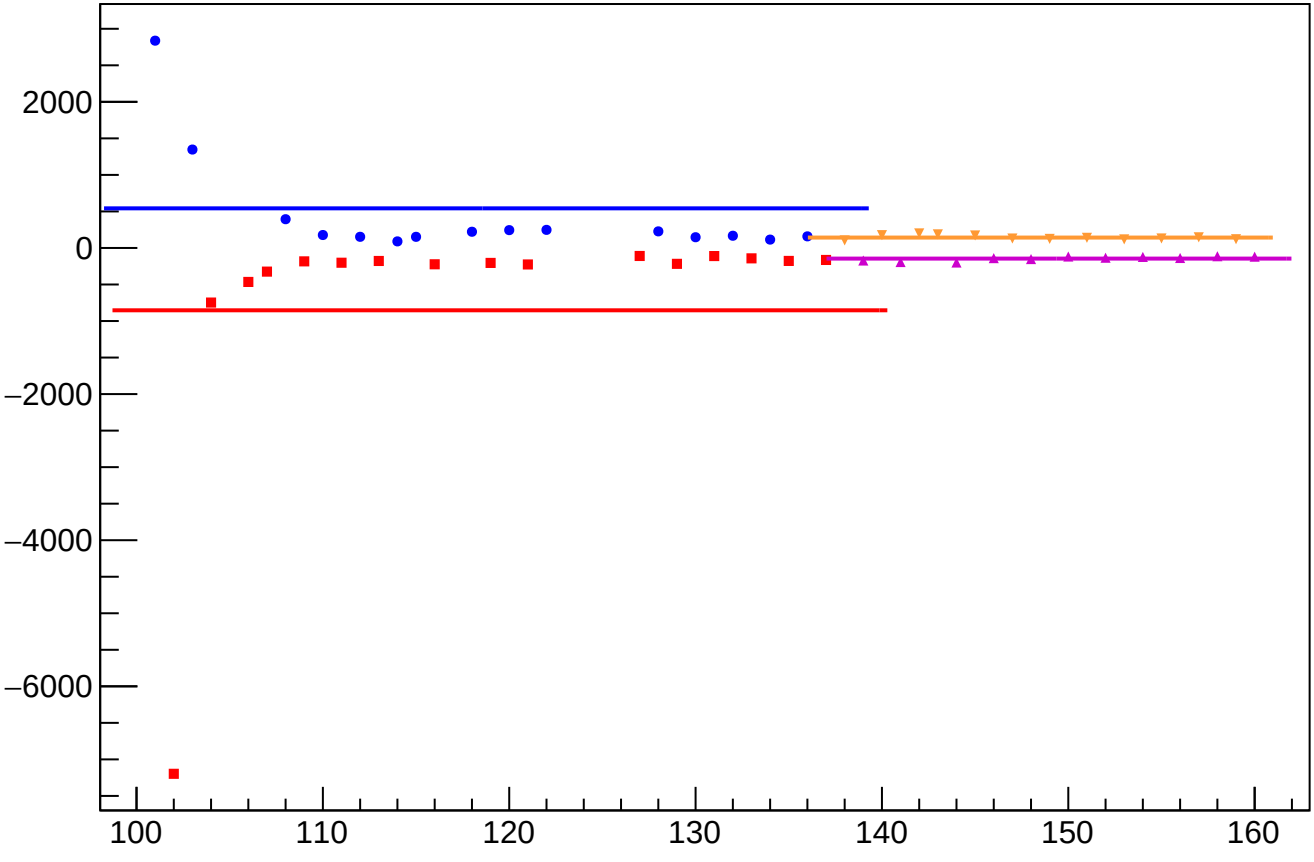

Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722188 8.0/11
In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6
Left In: -1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367232 0.0/10
All: -20.037+/-0.000 $\chi^2$/NDF: 41583009966 8

# dit_atr1_coil6_mean vs Slug, Sign Corrected




Left: -35.507+/-0.000 $\chi^2$/NDF: 8534436967394536
Right In: 582.390+/-0.000 $\chi^2$/NDF: 3387965676230320400727919964604900311 04.0/14
Right: 190.108+/-0.000 $\chi^2$/NDF: 270460615635385
Left Out: 605.074+/-0.000 $\chi^2$/NDF:6791251524544619672993713088270591 5904.0/11
In: -152.784+/-0.000 $\chi^2$/NDF:9754243982311555
Right Out: -191.587+/-0.000 $\chi^2$/NDF: 2168762120552346223416743005020716269568.0/15
Out: 268.975+/-0.000 $\chi^2$/NDF:2481404905102664
Left In: -669.155+/-0.000 $\chi^2$/NDF:3948119524056361725384223052261647 9744.0/10
All: 58.630+/-0.000 $\chi^2$/NDF: 3597086809072

# dit_atr1_coil6_err_mean vs Slug, Sign Corrected




Left: -2.367+/-0.000 $\chi^2$/NDF: 39549748395756711

Right In: 542.328+/-0.000 $\chi^2$/NDF: 414378812003795549649034048462817067008.0/14

Right: -164.982+/-0.000 $\chi^2$/NDF: 36290648240362

Left Out: 142.333+/-0.000 $\chi^2$/NDF:699754234994212847043453967042347008.0/11

In: 138.288+/-0.000 $\chi^2$/NDF:5955245908966435

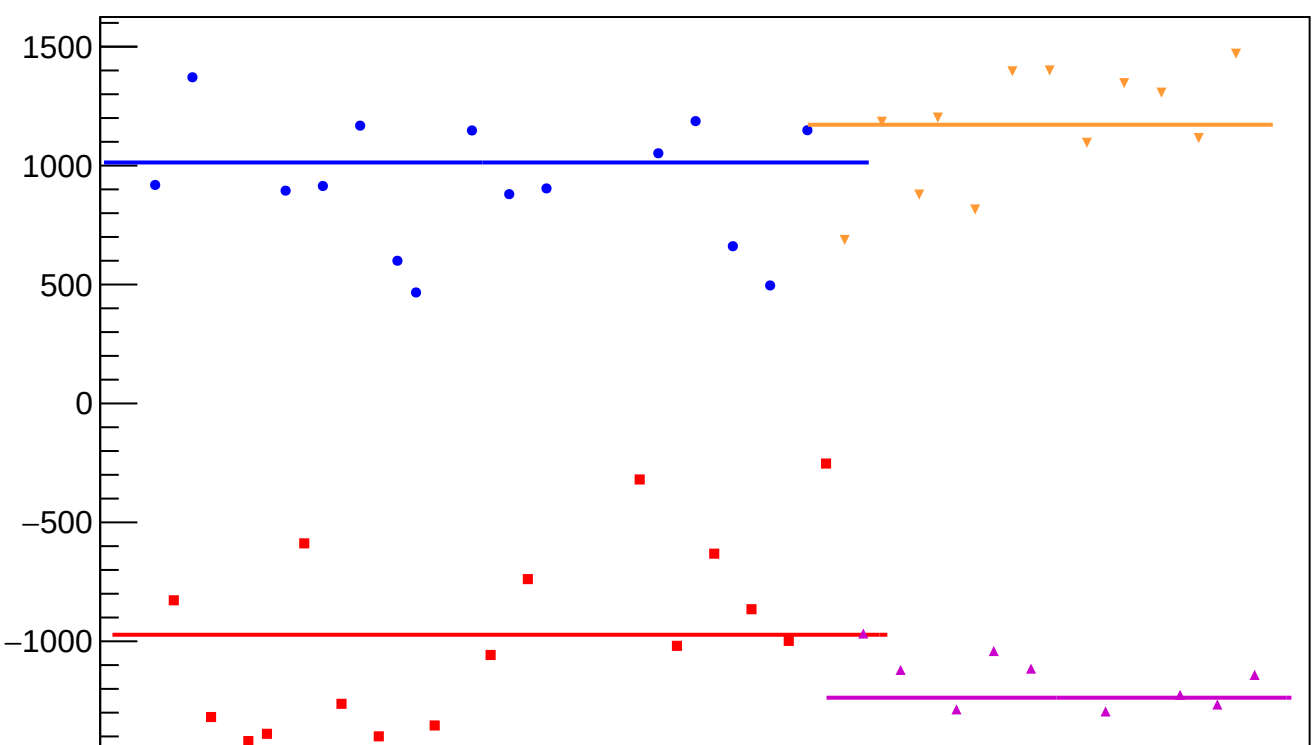
Right Out: -853.203+/-0.000 $\chi^2$/NDF: 257407638144104678777244913713391704473 6.0/15

Out: -277.669+/-0.000 $\chi^2$/NDF:295694420364328

Left In: -145.502+/-0.000 $\chi^2$/NDF:782066035610550272928661281894825984.0/10

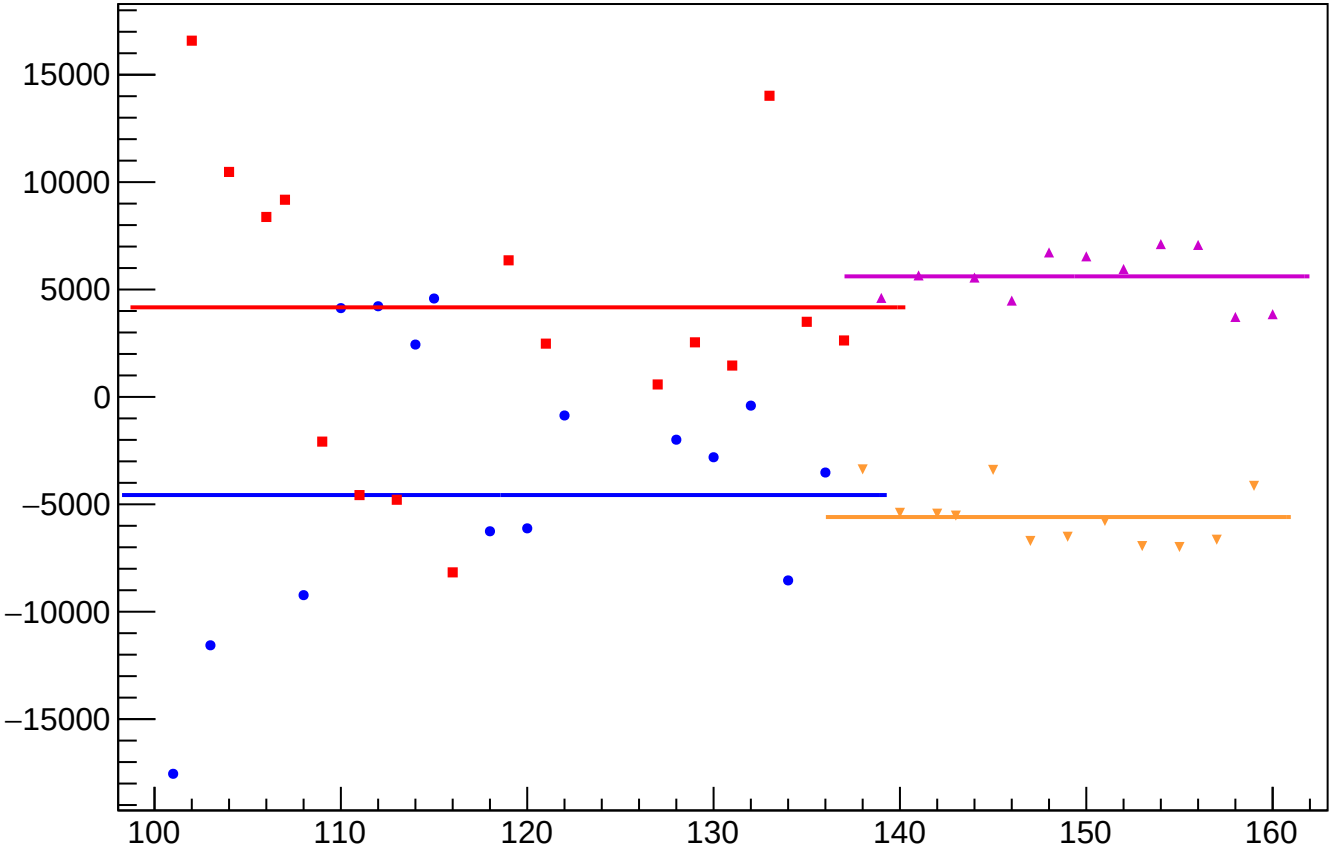
All: -70.218+/-0.000 $\chi^2$/NDF: 36888941096 3

# dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected



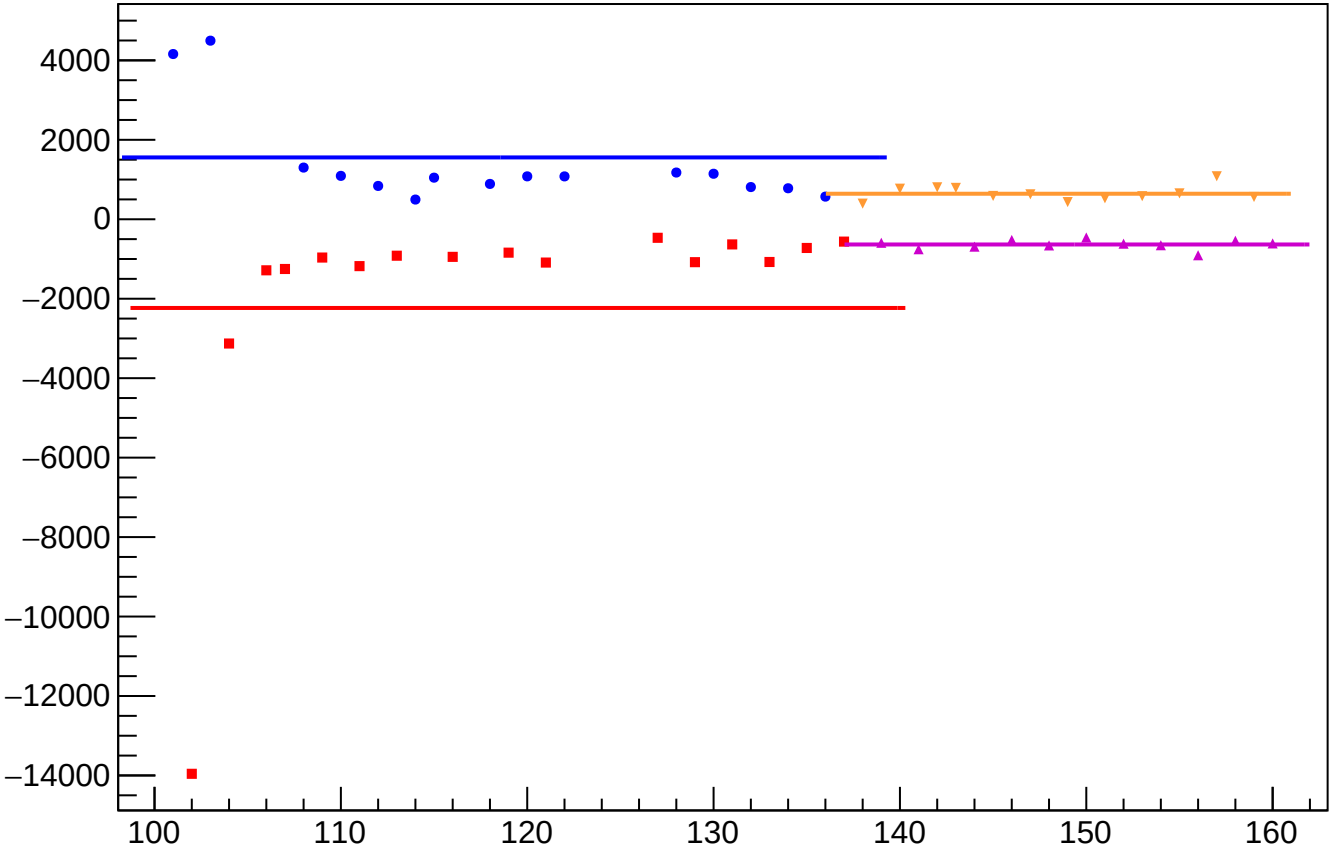

Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722188 8.0/11
In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6
Left In: -1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367232 0.0/10
All: -20.037+/-0.000 $\chi^2$/NDF: 41583009966 8

# dit_atr2_coil6_mean vs Slug, Sign Corrected




Left: 40.816+/-0.000 $\chi^2$/NDF: 6046809289017192
Right In: -4568.297+/-0.000 $\chi^2$/NDF: 2419505214816571954071311092197775690956 8.0/14
Right: -138.996+/-0.000 $\chi^2$/NDF: 80283768430562
Left Out: -5592.357+/-0.000 $\chi^2$/NDF:150250799859091565006793475308868180377 6.0/11
In: 1412.339+/-0.000 $\chi^2$/NDF:649853745086205 4
Right Out: 4170.773+/-0.000 $\chi^2$/NDF: 309672488321879120411139095594811030241 28.0/15
Out: -1473.440+/-0.000 $\chi^2$/NDF:69224914404037
Left In: 5613.024+/-0.000 $\chi^2$/NDF:127221065993626195724813317350317096960 0.0/10
All: -34.210+/-0.000 $\chi^2$/NDF: 140776657149

# dit_atr2_coil6_err_mean vs Slug, Sign Corrected




Left: 0.564+/-0.000 $\chi^2$/NDF: 791773878076069145

Right In: 1556.763+/-0.000 $\chi^2$/NDF: 1139364239218600567191855131756930793472.0/14

Right: -363.793+/-0.000 $\chi^2$/NDF: 14852877470384

Left Out: 642.639+/-0.000 $\chi^2$/NDF:2993134603013431608081893749007633612 8.0/11

In: 269.551+/-0.000 $\chi^2$/NDF:298230730661913 41

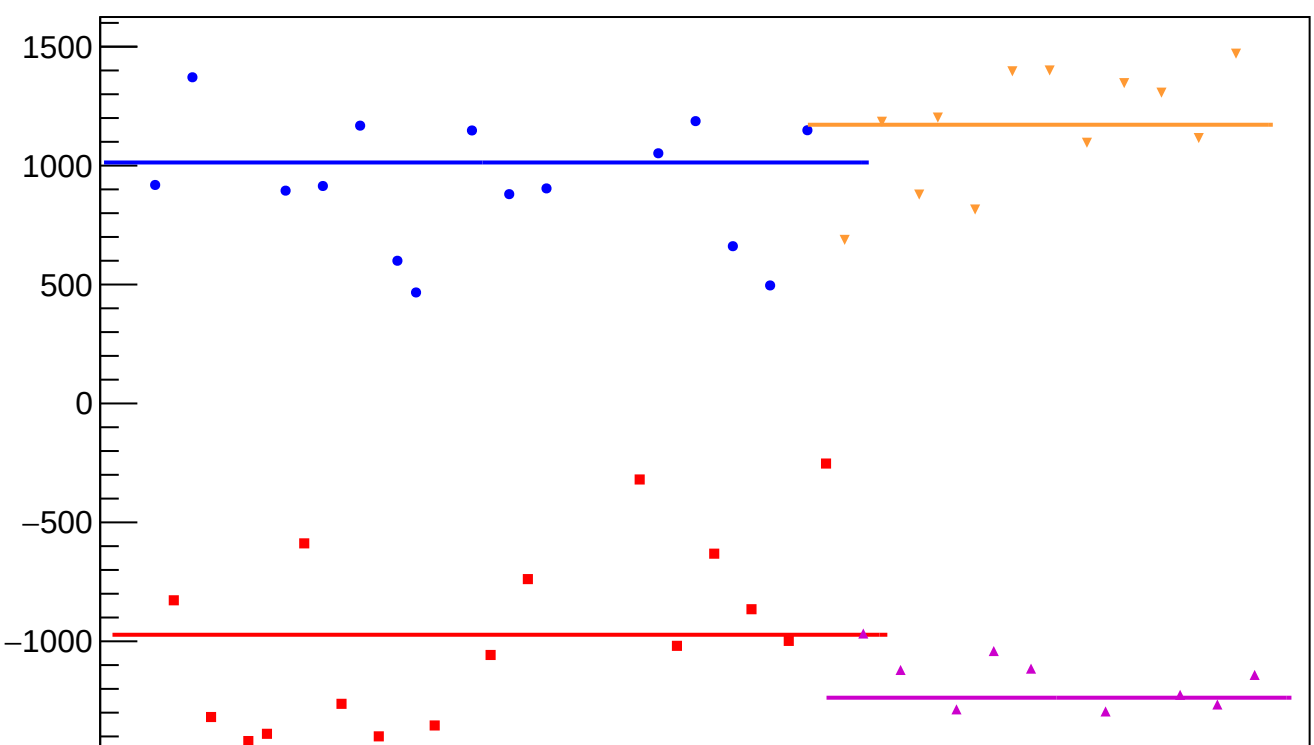
Right Out: -2232.520+/-0.000 $\chi^2$/NDF: 8990395725533930134878595569706942332928.0/15

Out: -570.347+/-0.000 $\chi^2$/NDF:122079278406858

Left In: -634.562+/-0.000 $\chi^2$/NDF:1230844280940303119066955631464284160 0.0/10

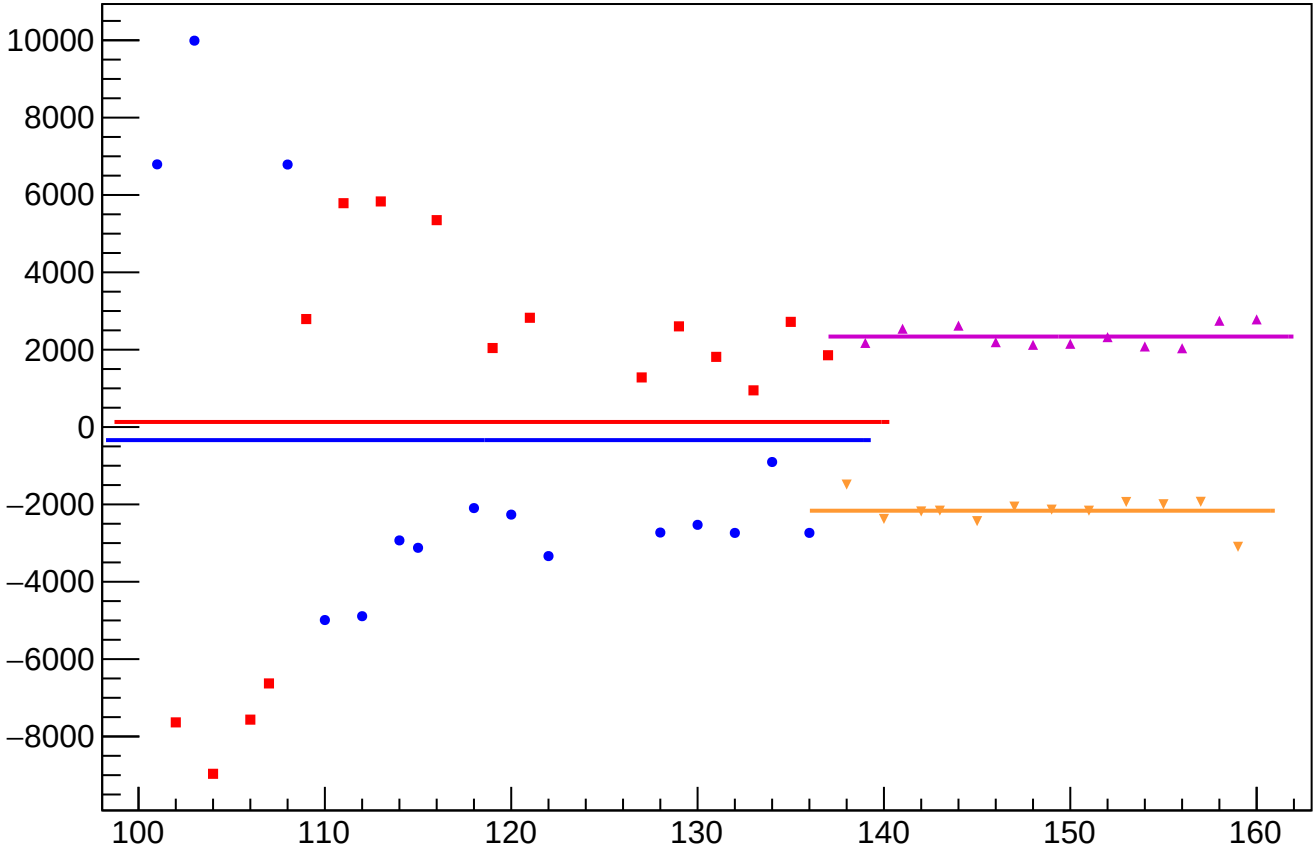
All: -151.463+/-0.000 $\chi^2$/NDF: 15746462164

# dit_atr2_coil6_Ndata_mean vs Slug, Sign Corrected




Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722188 8.0/11
In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6
Left In: -1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367232 0.0/10
All: -20.037+/-0.000 $\chi^2$/NDF: 41583009966 8

# dit_sam1_coil6_mean vs Slug, Sign Corrected




Left: 100.639+/-0.000 $\chi^2$/NDF: 9504114139630339

Right In: -337.865+/-0.000 $\chi^2$/NDF: 1515251593300707989166109794076208188620 8.0/14

Right: -99.949+/-0.000 $\chi^2$/NDF: 316982138957514

Left Out: -2162.857+/-0.000 $\chi^2$/NDF:1263322752329302576384826203917590200 32.0/11

In: 1234.934+/-0.000 $\chi^2$/NDF:1794842889484232

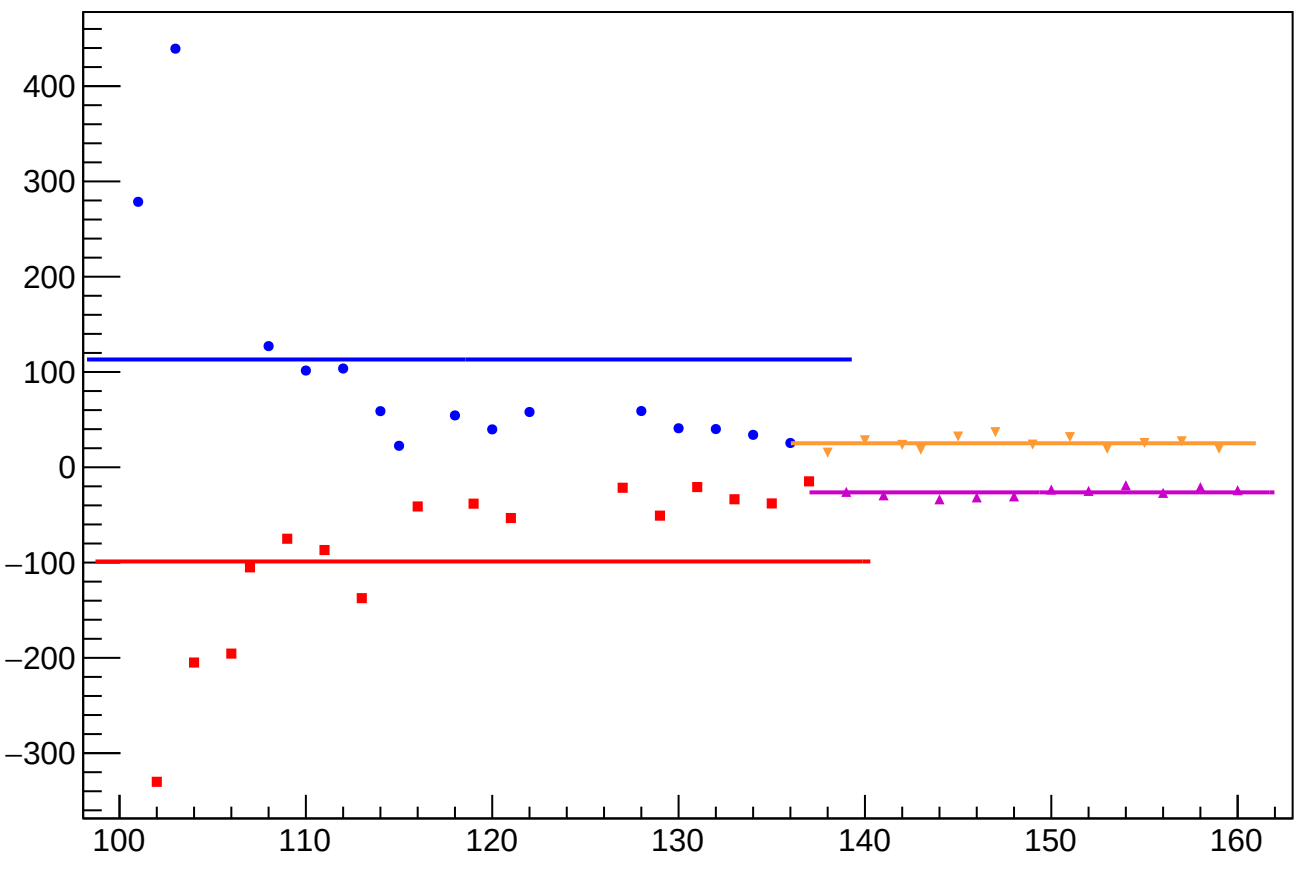
Right Out: 131.545+/-0.000 $\chi^2$/NDF: 1647321765107887797637742441995690206822 4.0/15

Out: -1194.883+/-0.000 $\chi^2$/NDF:18629471707312

Left In: 2339.639+/-0.000 $\chi^2$/NDF:6286014424745695754381090628418142208 0.0/10

All: 16.944+/-0.000 $\chi^2$/NDF: 4123318495094

# dit_sam1_coil6_err_mean vs Slug, Sign Corrected




Left: -0.703+/-0.000 $\chi^2$/NDF: 12737969644467641

Right In: 113.134+/-0.000 $\chi^2$/NDF: 9989638354332004017458192433874468864.0/14

Right: 5.701+/-0.000 $\chi^2$/NDF: 30279176036436111

Left Out: 25.204+/-0.000 $\chi^2$/NDF:3534099872996691286313832039212646 4.0/11

In: 31.211+/-0.000 $\chi^2$/NDF:174228215351618200

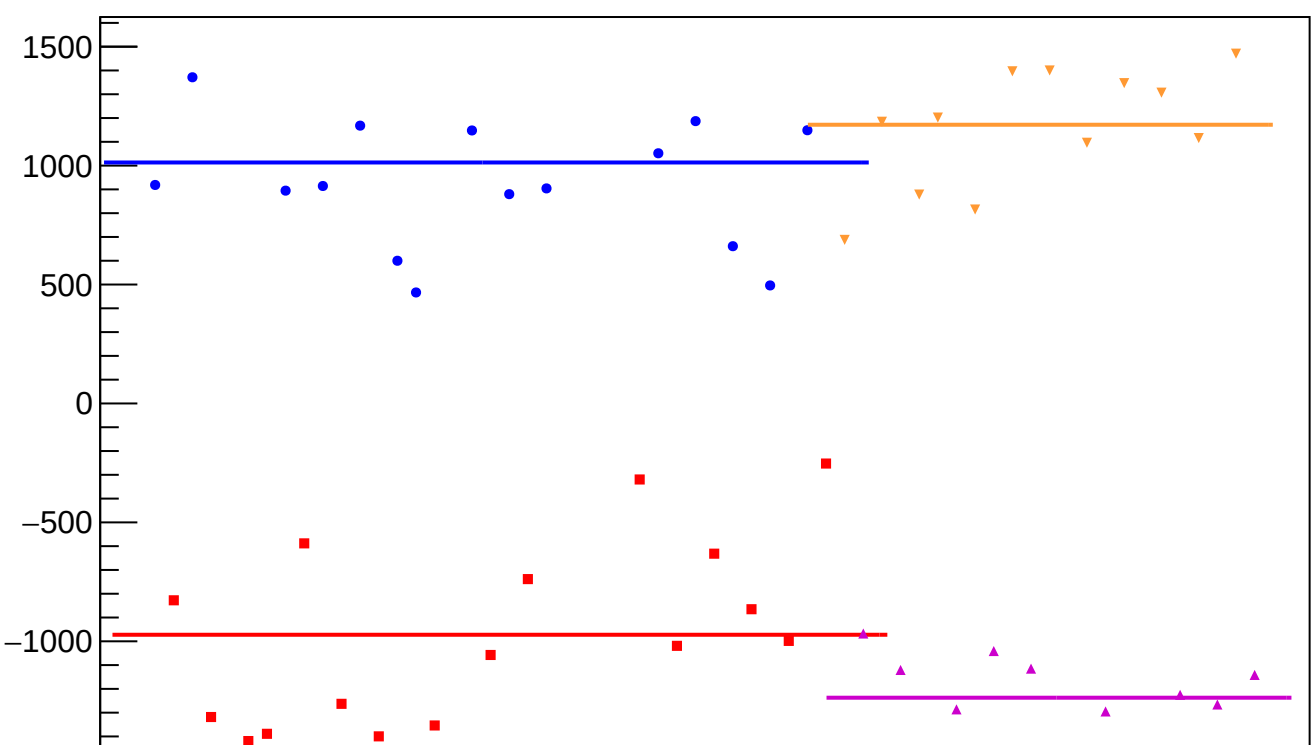
Right Out: -98.833+/-0.000 $\chi^2$/NDF: 5510365308590426333953610701260980224.0/15

Out: -27.125+/-0.000 $\chi^2$/NDF:1147829075591207

Left In: -26.331+/-0.000 $\chi^2$/NDF:1814287340881457348195075804364 8000.0/10

All: 1.969+/-0.000 $\chi^2$/NDF: 3158442544452 6

# dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected




Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436

Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485 6324096.0/14

Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173032

Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722 1888.0/11

In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9

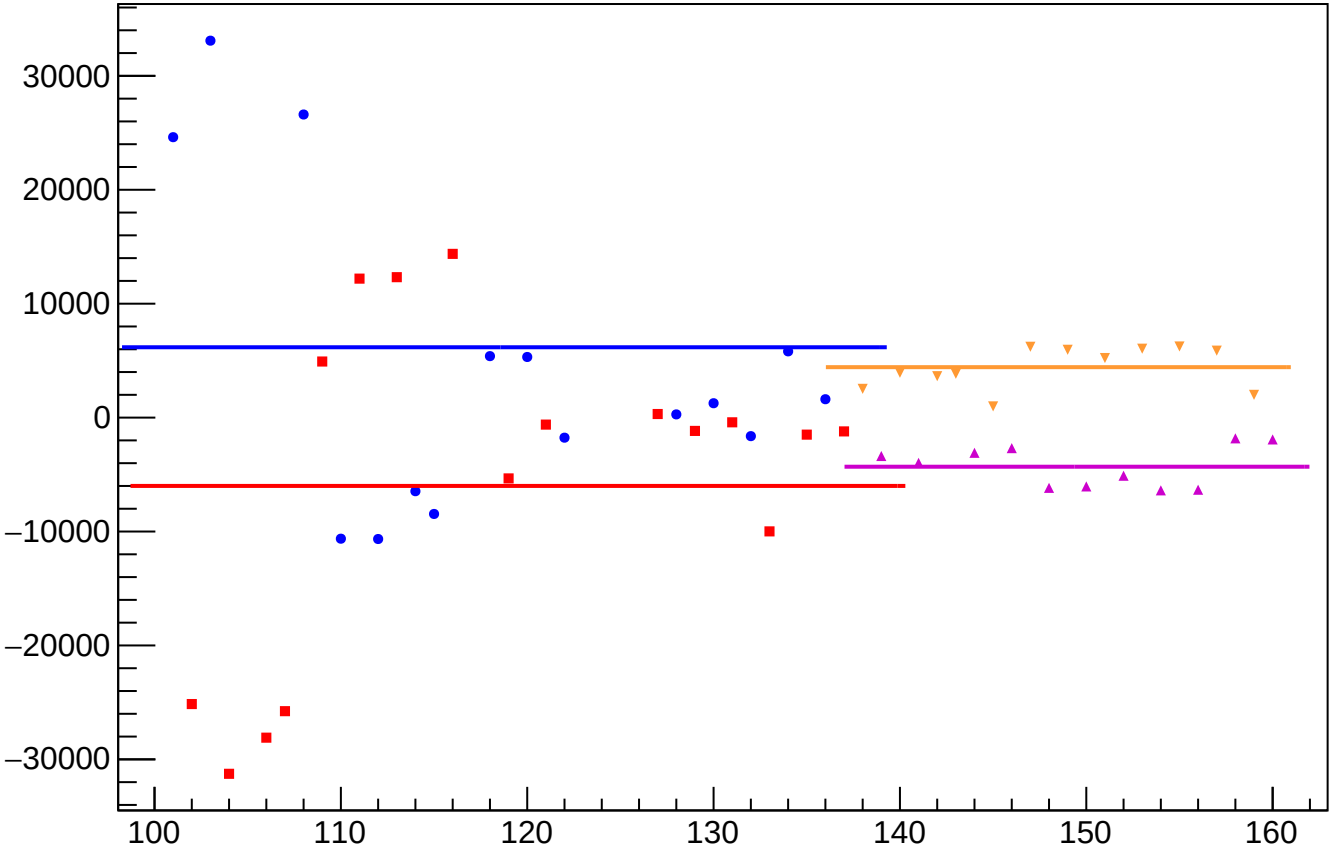
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823 4752.0/15

Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6

Left In: -1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367 2320.0/10

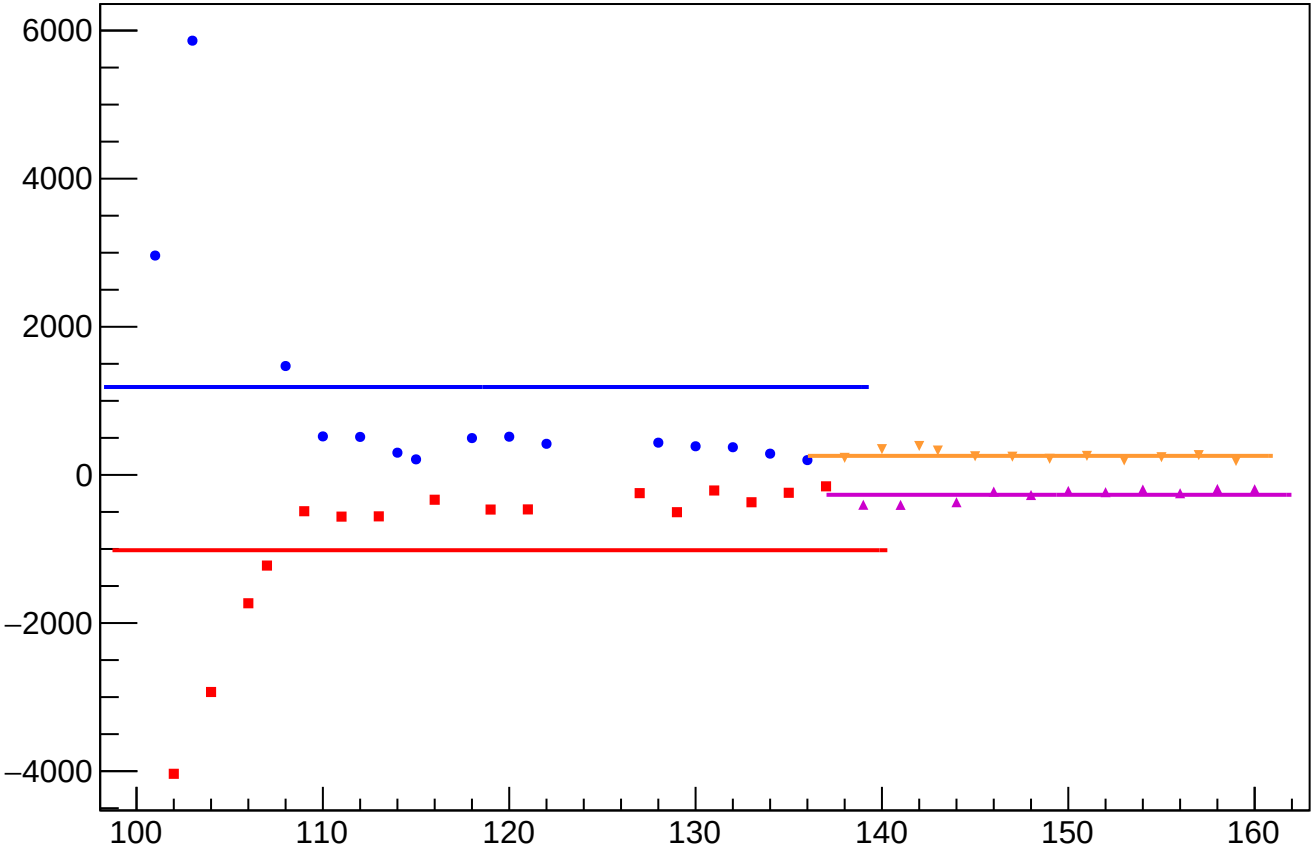
All: -20.037+/-0.000 $\chi^2$/NDF: 41583009966 8

# dit_sam2_coil6_mean vs Slug, Sign Corrected




Left: 35.008+/-0.000 $\chi^2$/NDF: 4067554181164901
Right In: 6175.493+/-0.000 $\chi^2$/NDF: 1172608771629212239674783490507084524421 12.0/14
Right: 6.138+/-0.000 $\chi^2$/NDF: 3030550742774767
Left Out: 4428.101+/-0.000 $\chi^2$/NDF:2900138976874387724183278190835470958592.0/11
In: 15.865+/-0.000 $\chi^2$/NDF:1618670823869909
Right Out: -5996.727+/-0.000 $\chi^2$/NDF: 1370577107850251365434077101079163568128 00.0/15
Out: 30.024+/-0.000 $\chi^2$/NDF:1818640147944198
Left In: -4310.541+/-0.000 $\chi^2$/NDF:2687248811790643780000086030830396243968.0/10
All: 22.962+/-0.000 $\chi^2$/NDF: 3437312552543

# dit_sam2_coil6_err_mean vs Slug, Sign Corrected




Left: -7.049+/-0.000 $\chi^2$/NDF: 1356437374052163 2

Right In: 1186.846+/-0.000 $\chi^2$/NDF: 1796463312802023303623210264680353234944.0/14

Right: 69.987+/-0.000 $\chi^2$/NDF: 4321353447769683

Left Out: 257.255+/-0.000 $\chi^2$/NDF:2781253601465669157863687249484316672.0/11

In: 331.962+/-0.000 $\chi^2$/NDF:2609769726458601 5

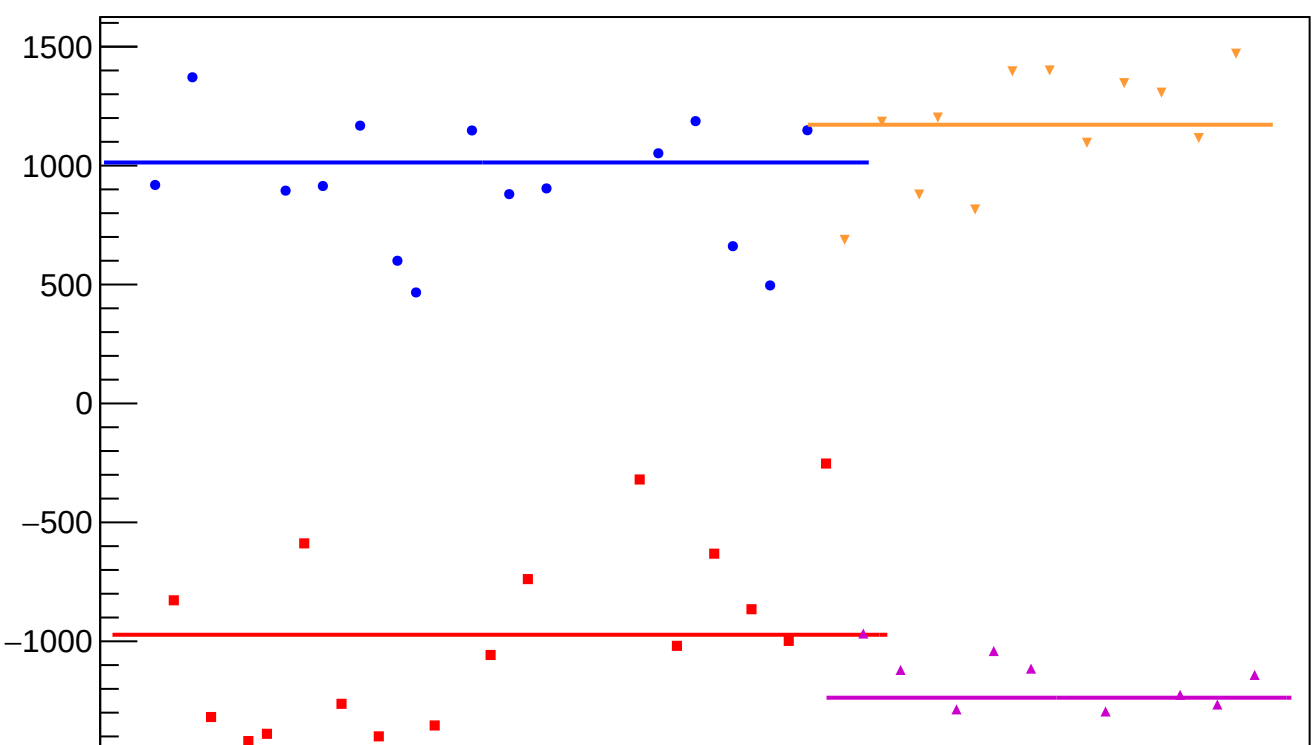
Right Out: -1016.732+/-0.000 $\chi^2$/NDF: 9276460034660942495583916910248250572 80.0/15

Out: -280.221+/-0.000 $\chi^2$/NDF:155627640866420

Left In: -268.493+/-0.000 $\chi^2$/NDF:5855734975706547823556607966386847744.0/10

All: 25.094+/-0.000 $\chi^2$/NDF: 4461548431254

# dit_sam2_coil6_Ndata_mean vs Slug, Sign Corrected




Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14

Left Out: 1171.807+/-0.000 $\chi^2$/NDF:524249012820985838563124925770372218 88.0/11

Right Out: -972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15

Left In: -1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236723 20.0/10

Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436

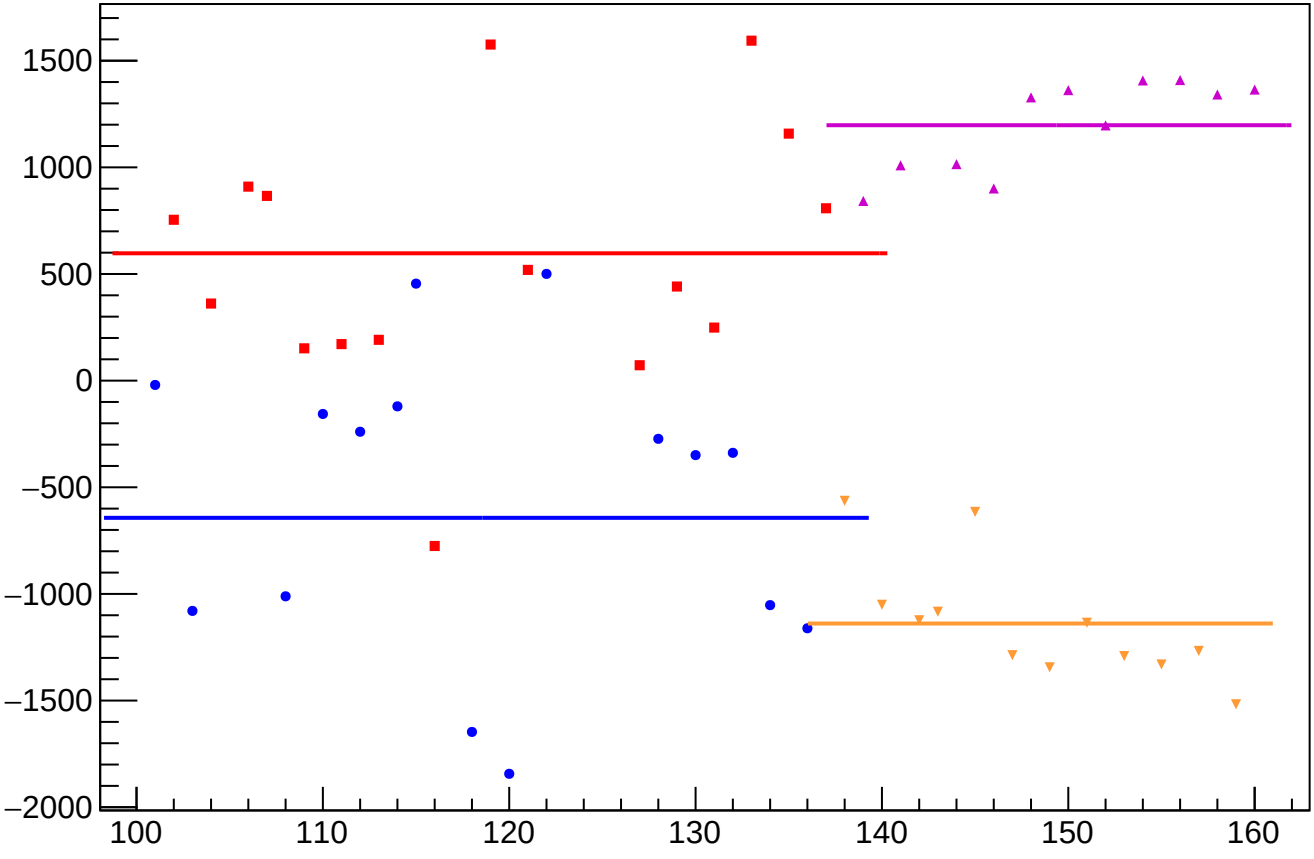
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173032

In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9

Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6

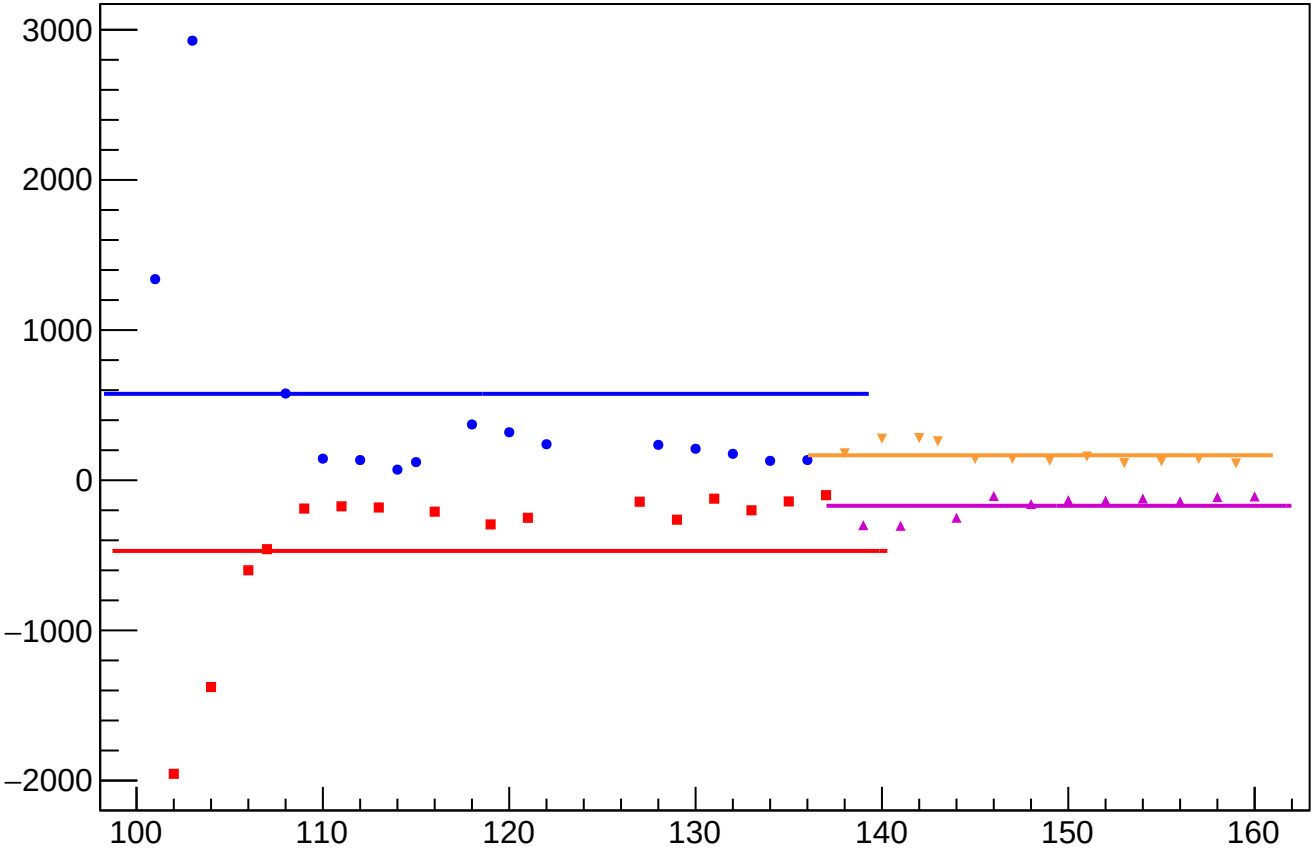
All: -20.037+/-0.000 $\chi^2$/NDF: 415830099668

# dit_sam3_coil6_mean vs Slug, Sign Corrected



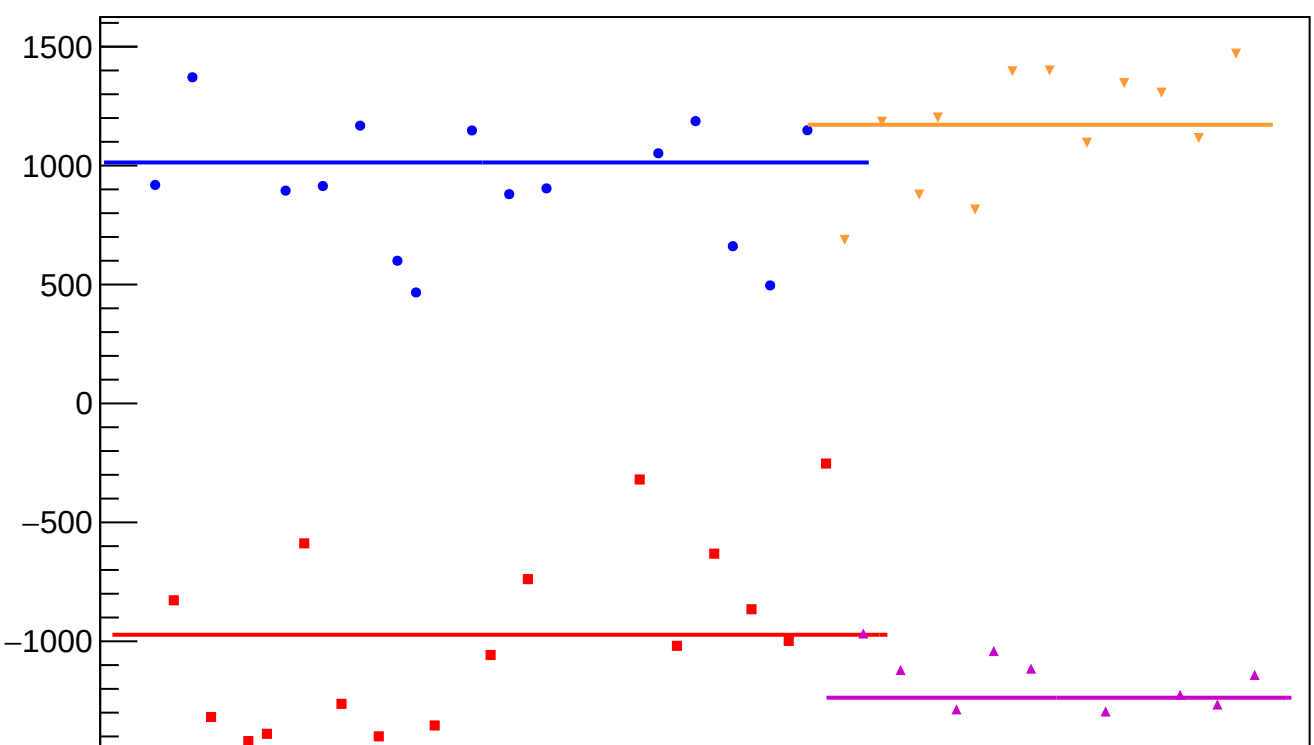

Left: 35.728+/-0.000 $\chi^2$/NDF: 2617562196994142
Right In: -643.217+/-0.000 $\chi^2$/NDF: 2727269646082066940272851597849253642 24.0/14
Right: -14.605+/-0.000 $\chi^2$/NDF: 989448118075246
Left Out: -1138.759+/-0.000 $\chi^2$/NDF:7100618595342425427059079171817026355 2.0/11
In: 438.045+/-0.000 $\chi^2$/NDF:160305698716382 82
Right Out: 597.043+/-0.000 $\chi^2$/NDF: 2107333707980314493635040043190053765 12.0/15
Out: -406.450+/-0.000 $\chi^2$/NDF:144356337261443
Left In: 1197.503+/-0.000 $\chi^2$/NDF:3862472214156096110271057023906663628 8.0/10
All: 14.726+/-0.000 $\chi^2$/NDF: 360895317018 8

# dit_sam3_coil6_err_mean vs Slug, Sign Corrected




Left: -2.777+/-0.000 $\chi^2$/NDF: 59914587397512786
Right In: 575.526+/-0.000 $\chi^2$/NDF: 432680039285849719493276471277131923456.0/14
Right: 45.250+/-0.000 $\chi^2$/NDF: 1002053890195510
Left Out: 166.360+/-0.000 $\chi^2$/NDF:305271620929540504980712909554319360 0.0/11
In: 137.546+/-0.000 $\chi^2$/NDF:6494694160664590
Right Out: -470.716+/-0.000 $\chi^2$/NDF: 209310604291868219806073768764512403456.0/15
Out: -102.413+/-0.000 $\chi^2$/NDF:368866079354582
Left In: -170.082+/-0.000 $\chi^2$/NDF:485116535847865018698307963773465395 2.0/10
All: 17.262+/-0.000 $\chi^2$/NDF: 1063737364413

# dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected




Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14

Left Out: 1171.807+/-0.000 $\chi^2$/NDF:524249012820985838563124925770372218 88.0/11

Right Out: -972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15

Left In: -1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236723 20.0/10

Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436

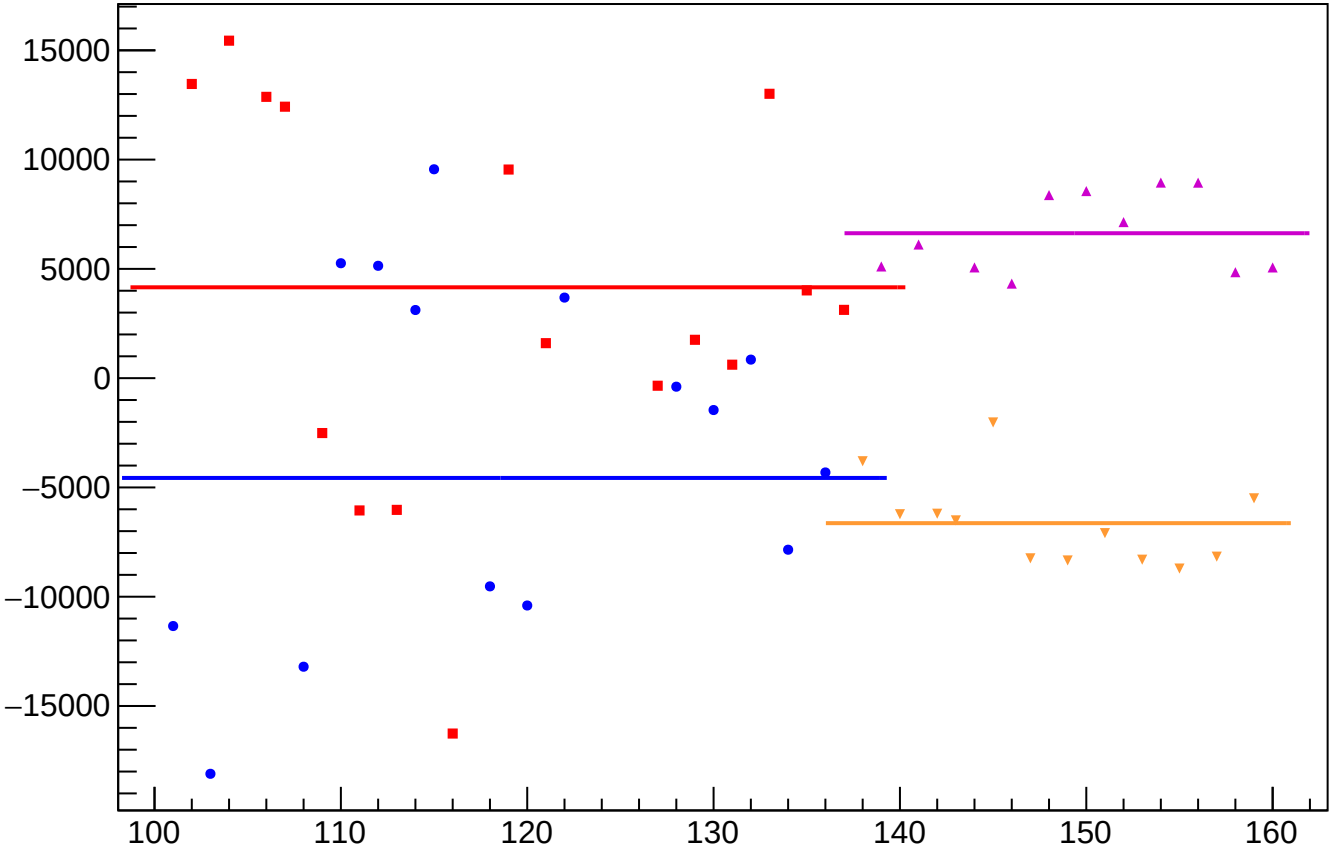
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173032

In: -308.706+/-0.000 $\chi^2$/NDF:1992534711877389

Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6

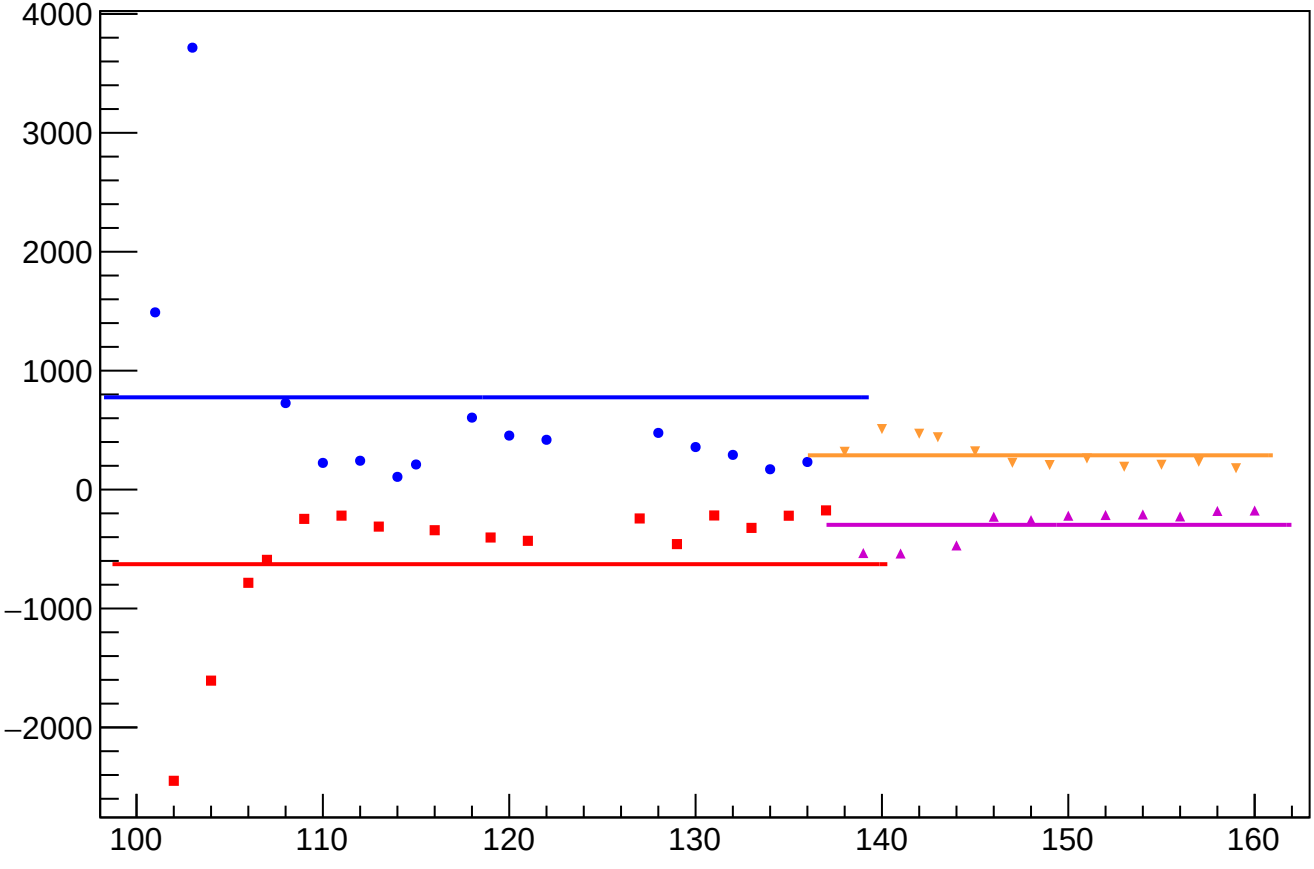
All: -20.037+/-0.000 $\chi^2$/NDF: 415830099668

# dit_sam4_coil6_mean vs Slug, Sign Corrected




Left: 34.548+/-0.000 $\chi^2$/NDF: 8733279042780031
Right In: -4565.412+/-0.000 $\chi^2$/NDF: 3566776824743228998489904272515548787507 2.0/14
Right: -144.626+/-0.000 $\chi^2$/NDF: 10623220696347
Left Out: -6634.457+/-0.000 $\chi^2$/NDF:364015088040329978433954375699564540723 2.0/11
In: 2011.723+/-0.000 $\chi^2$/NDF:862930841856365
Right Out: 4156.859+/-0.000 $\chi^2$/NDF: 455394554416599271577084430999306821959 68.0/15
Out: -2081.764+/-0.000 $\chi^2$/NDF:94084012188749
Left In: 6631.377+/-0.000 $\chi^2$/NDF:2831140540306304869921468245145345327104.0/10
All: -40.212+/-0.000 $\chi^2$/NDF: 19358961743

# dit_sam4_coil6_err_mean vs Slug, Sign Corrected




Left: -5.735+/-0.000 $\chi^2$/NDF: 18477712648236645

Right In: 775.824+/-0.000 $\chi^2$/NDF: 641856726975740612716432458612629045248.0/14

Right: 64.659+/-0.000 $\chi^2$/NDF: 1586988053007642

Left Out: 288.226+/-0.000 $\chi^2$/NDF:1060734921843509529640037672872252254 72.0/11

In: 145.919+/-0.000 $\chi^2$/NDF:1097299663662386

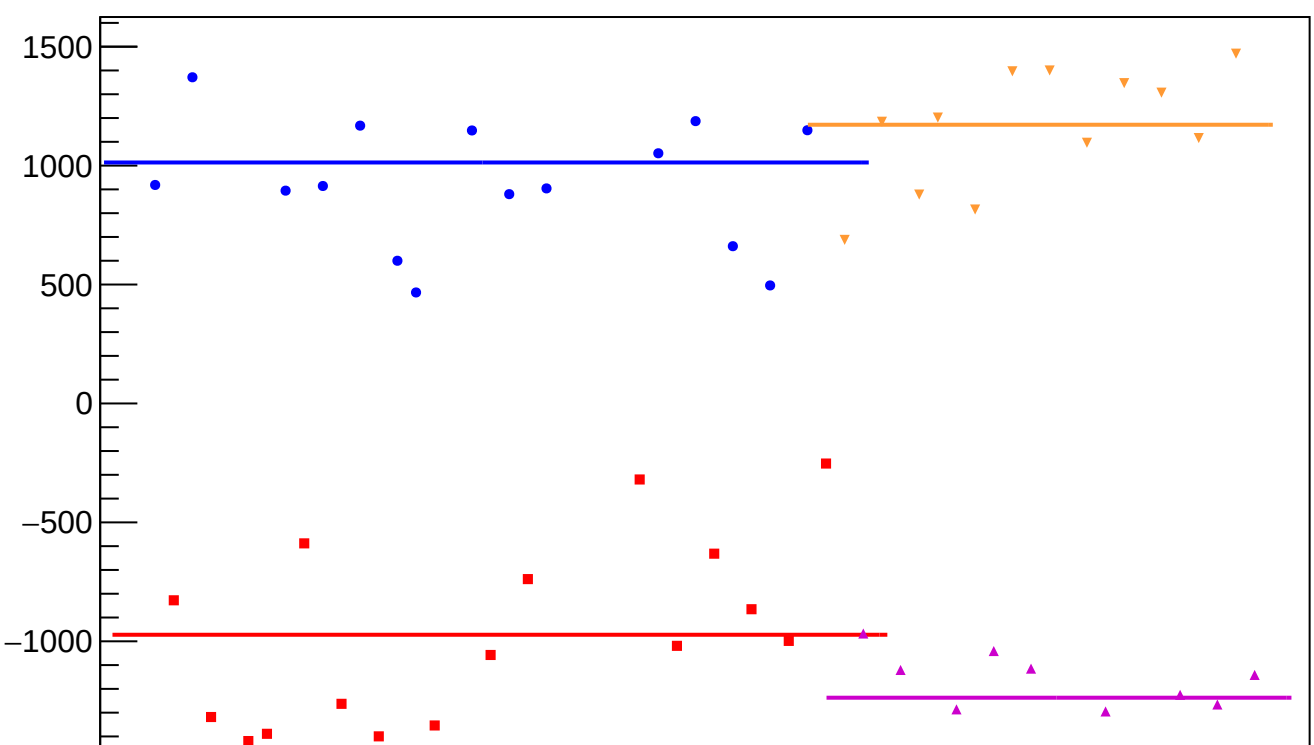
Right Out: -627.315+/-0.000 $\chi^2$/NDF: 297517676171111924966086193860621369344.0/15

Out: -98.027+/-0.000 $\chi^2$/NDF:6313426381503725

Left In: -296.514+/-0.000 $\chi^2$/NDF:170618790220164840642952102284445614 08.0/10

All: 23.637+/-0.000 $\chi^2$/NDF: 177556541085

# dit_sam4_coil6_Ndata_mean vs Slug, Sign Corrected




Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436

Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485 6324096.0/14

Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173032

Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722 1888.0/11

In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9

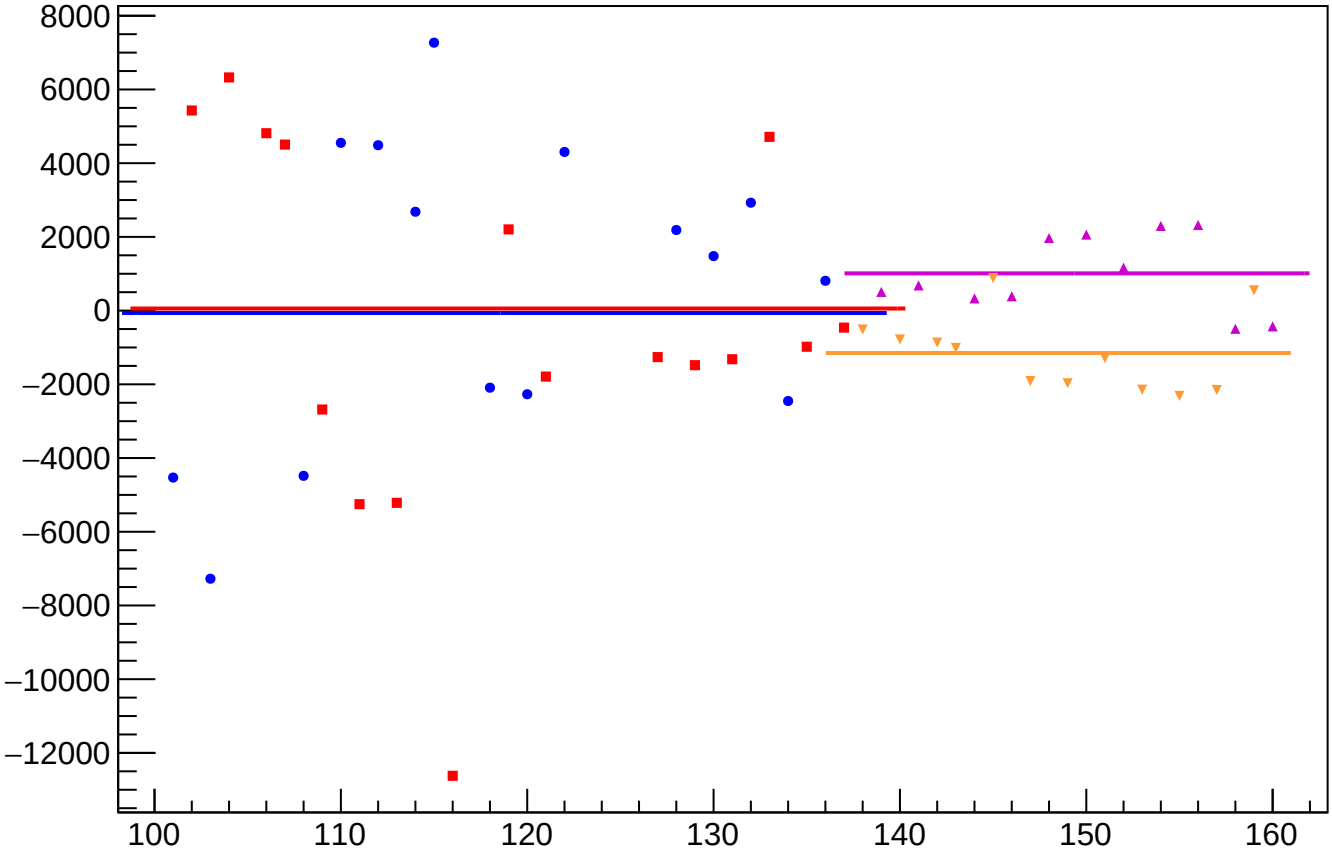
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823 4752.0/15

Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6

Left In: -1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367 2320.0/10

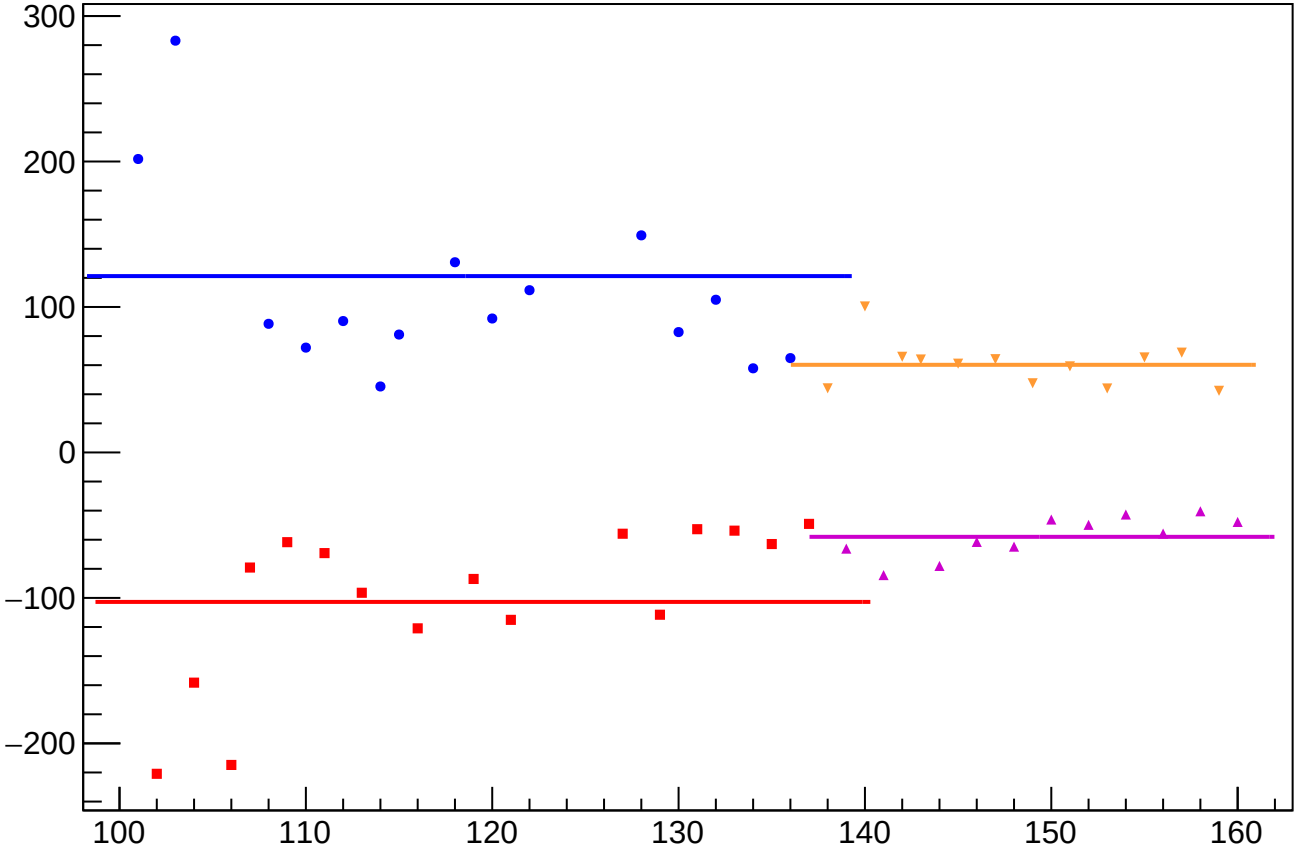
All: -20.037+/-0.000 $\chi^2$/NDF: 41583009966 8

# dit_sam5_coil6_mean vs Slug, Sign Corrected



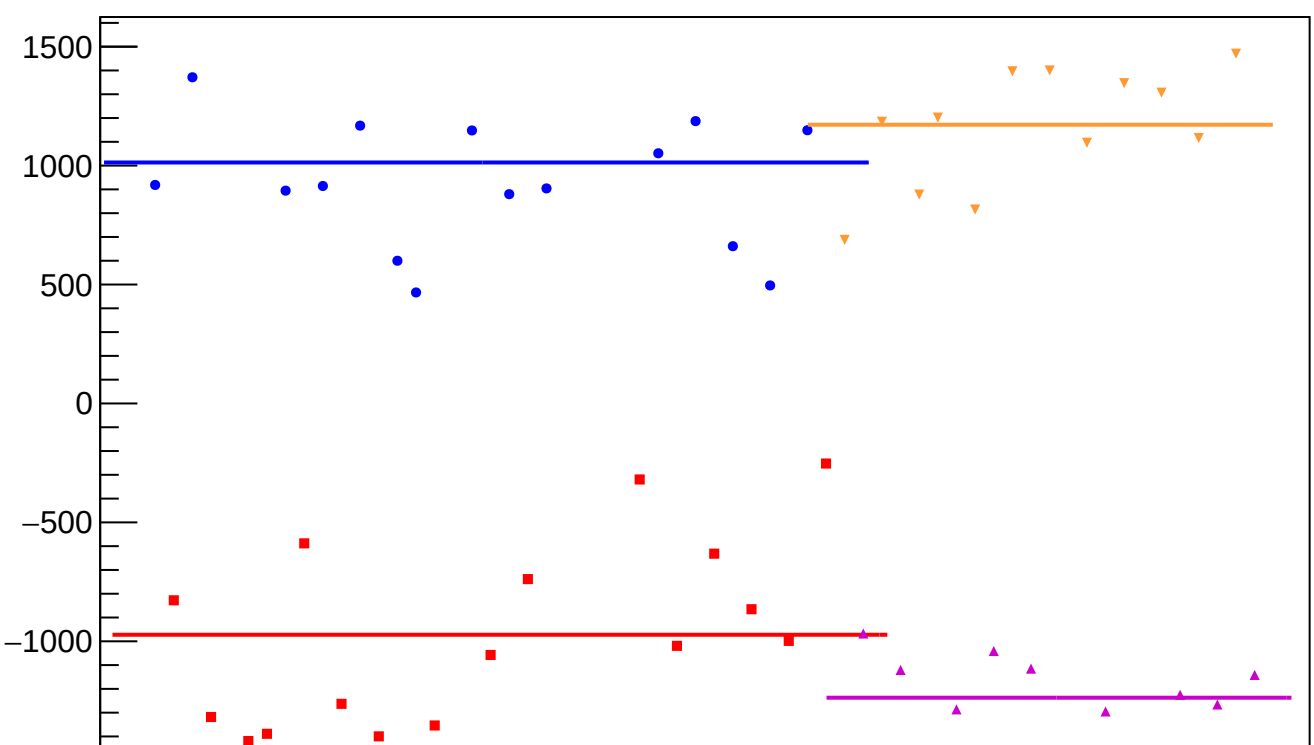

Left: -62.999+/-0.000 $\chi^2$/NDF: 4025709858577995
Right In: -64.751+/-0.000 $\chi^2$/NDF: 96142234488518141916838173499895589109 76.0/14
Right: -2.927+/-0.000 $\chi^2$/NDF: 2340007670014095
Left Out: -1149.036+/-0.000 $\chi^2$/NDF:97738428125152786279715726571691258675 2.0/11
In: 567.326+/-0.000 $\chi^2$/NDF:1095954142307667
Right Out: 57.229+/-0.000 $\chi^2$/NDF: 13780958977008702301942505454387177979904.0/15
Out: -640.131+/-0.000 $\chi^2$/NDF:153194243932265
Left In: 1011.284+/-0.000 $\chi^2$/NDF:9039094084218741717390015431597956792 32.0/10
All: -37.934+/-0.000 $\chi^2$/NDF: 274285540726

# dit_sam5_coil6_err_mean vs Slug, Sign Corrected



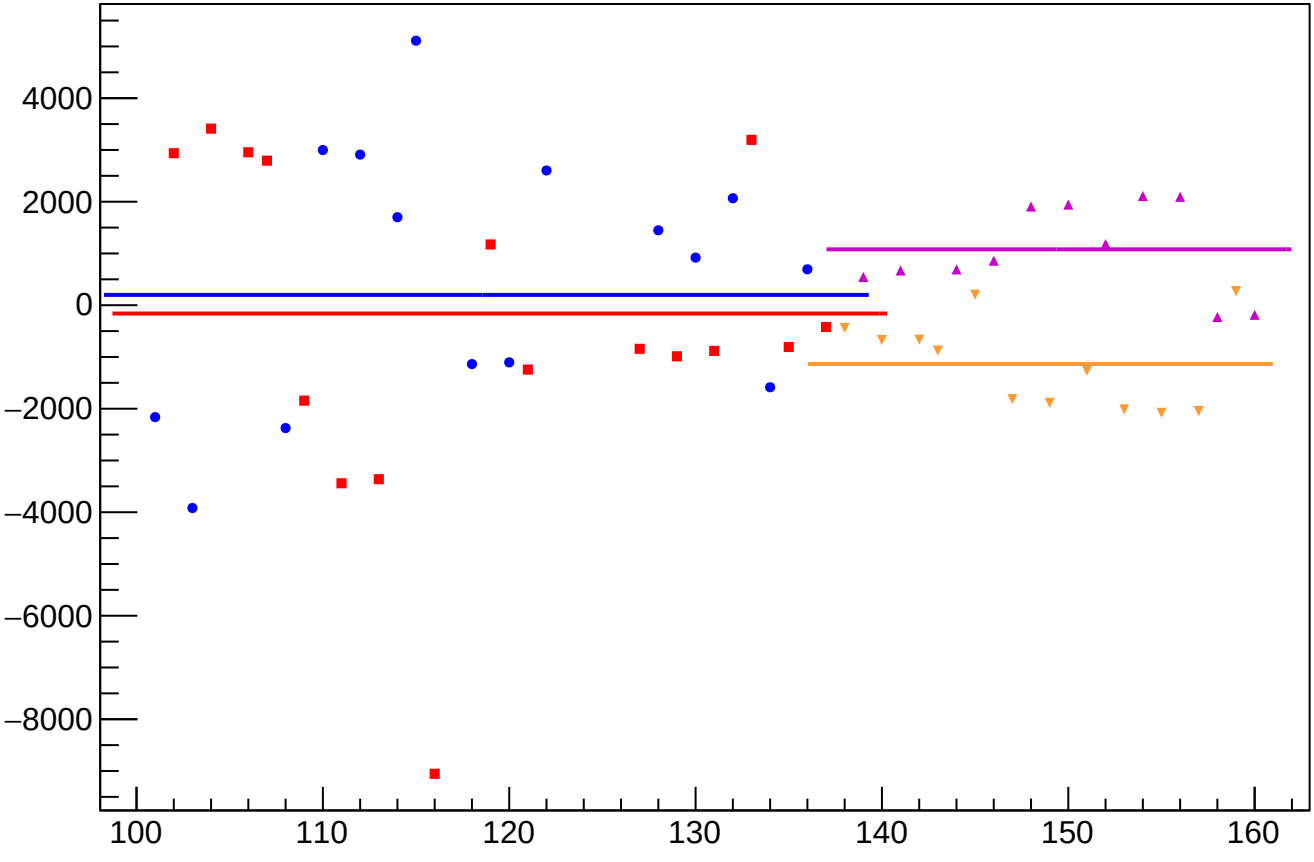

Left: 0.793+/-0.000 $\chi^2$/NDF: 68275380749844430
Right In: 121.228+/-0.000 $\chi^2$/NDF: 272317085768436257480063759486130585 6.0/14
Right: 7.708+/-0.000 $\chi^2$/NDF: 21192213294007068
Left Out: 60.239+/-0.000 $\chi^2$/NDF:225102554491032869548797845500329984.0/11
In: 15.941+/-0.000 $\chi^2$/NDF:15148149113250368 6
Right Out: -102.749+/-0.000 $\chi^2$/NDF: 196766802484601033365442767055591833 6.0/15
Out: -8.523+/-0.000 $\chi^2$/NDF:12436372618875294
Left In: -58.011+/-0.000 $\chi^2$/NDF:177427701786540438757655027214450688.0/10
All: 3.678+/-0.000 $\chi^2$/NDF: 28056421642135

# dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected




Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722188 8.0/11
In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6
Left In: -1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367232 0.0/10
All: -20.037+/-0.000 $\chi^2$/NDF: 41583009966 8

# dit_sam6_coil6_mean vs Slug, Sign Corrected




Left: -21.924+/-0.000 $\chi^2$/NDF: 3523794568652633

Right In: 199.503+/-0.000 $\chi^2$/NDF: 3268159745923533825045181664876849790976.0/14

Right: 17.033+/-0.000 $\chi^2$/NDF: 8991370549930185

Left Out: -1135.455+/-0.000 $\chi^2$/NDF:6546975925965793491330100581789251665 92.0/11

In: 716.457+/-0.000 $\chi^2$/NDF:4178153737741059 8

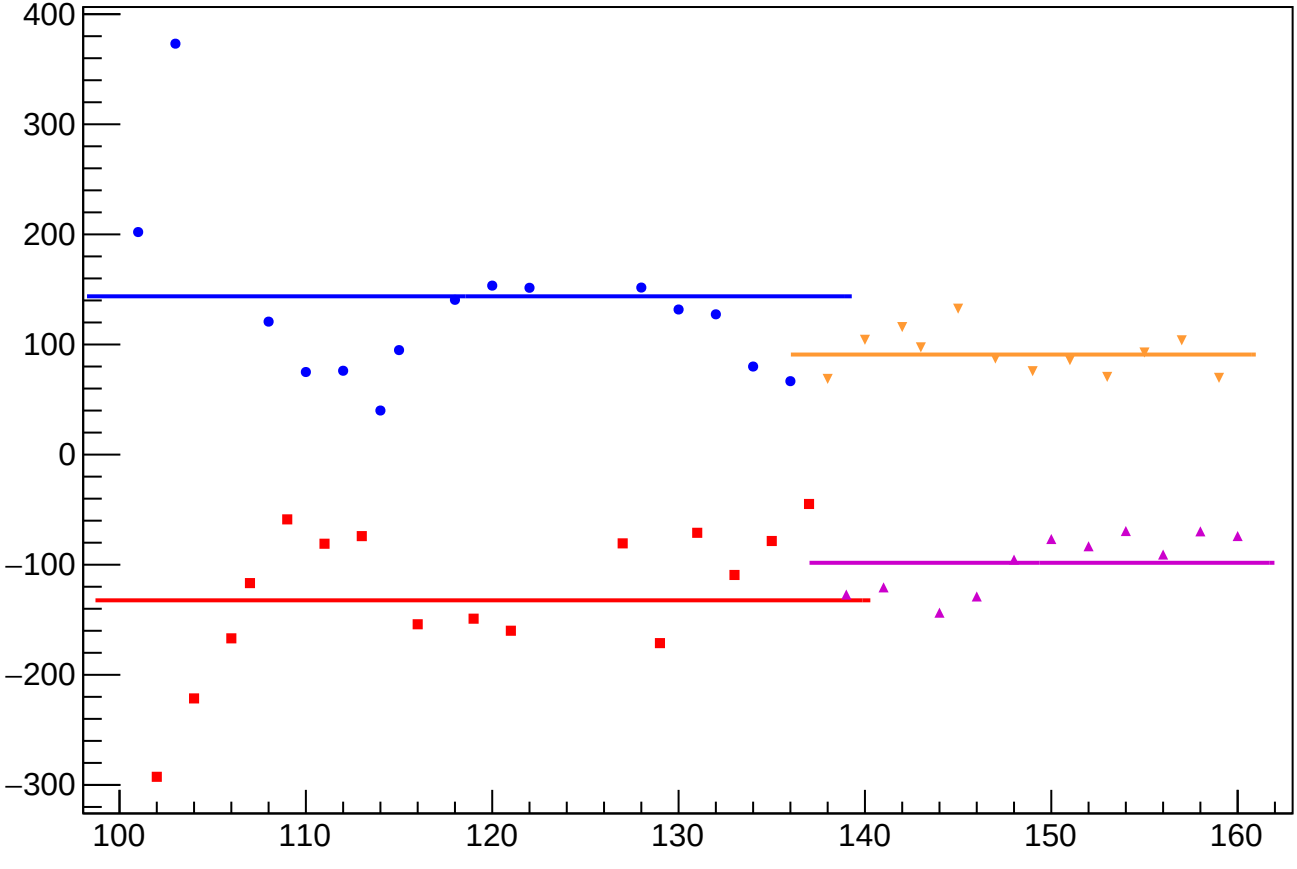
Right Out: -160.512+/-0.000 $\chi^2$/NDF: 5680576709461197901526729703706251493376.0/15

Out: -724.141+/-0.000 $\chi^2$/NDF:6701794637577 53

Left In: 1079.555+/-0.000 $\chi^2$/NDF:6147343985758774528580327527109120 49152.0/10

All: -5.669+/-0.000 $\chi^2$/NDF: 1251632905272

# dit_sam6_coil6_err_mean vs Slug, Sign Corrected




Left: -4.202+/-0.000 $\chi^2$/NDF: 17384612750229045

Right In: 143.764+/-0.000 $\chi^2$/NDF: 45147858695657778499005085918219468 80.0/14

Right: 3.823+/-0.000 $\chi^2$/NDF: 32765016379949297

Left Out: 90.882+/-0.000 $\chi^2$/NDF:326242734851411629220497356388040704.0/11

In: 1.598+/-0.000 $\chi^2$/NDF:274659541456019497 0

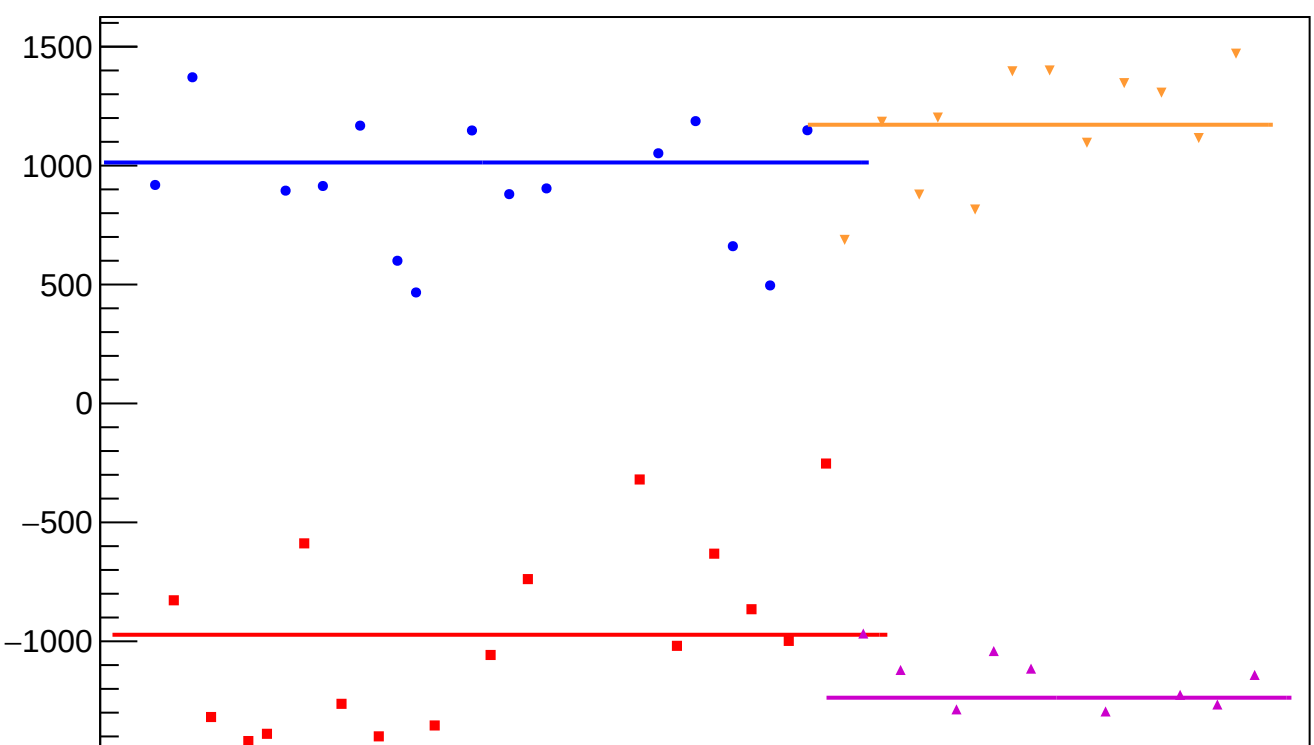
Right Out: -132.341+/-0.000 $\chi^2$/NDF: 317408790879624528768235991428235 2640.0/15

Out: -3.293+/-0.000 $\chi^2$/NDF:22714212497857002

Left In: -98.257+/-0.000 $\chi^2$/NDF:62099377677309339303336942847079 2192.0/10

All: -0.854+/-0.000 $\chi^2$/NDF: 5019902274084

# dit_sam6_coil6_Ndata_mean vs Slug, Sign Corrected




Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436

Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485 6324096.0/14

Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173032

Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722 1888.0/11

In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9

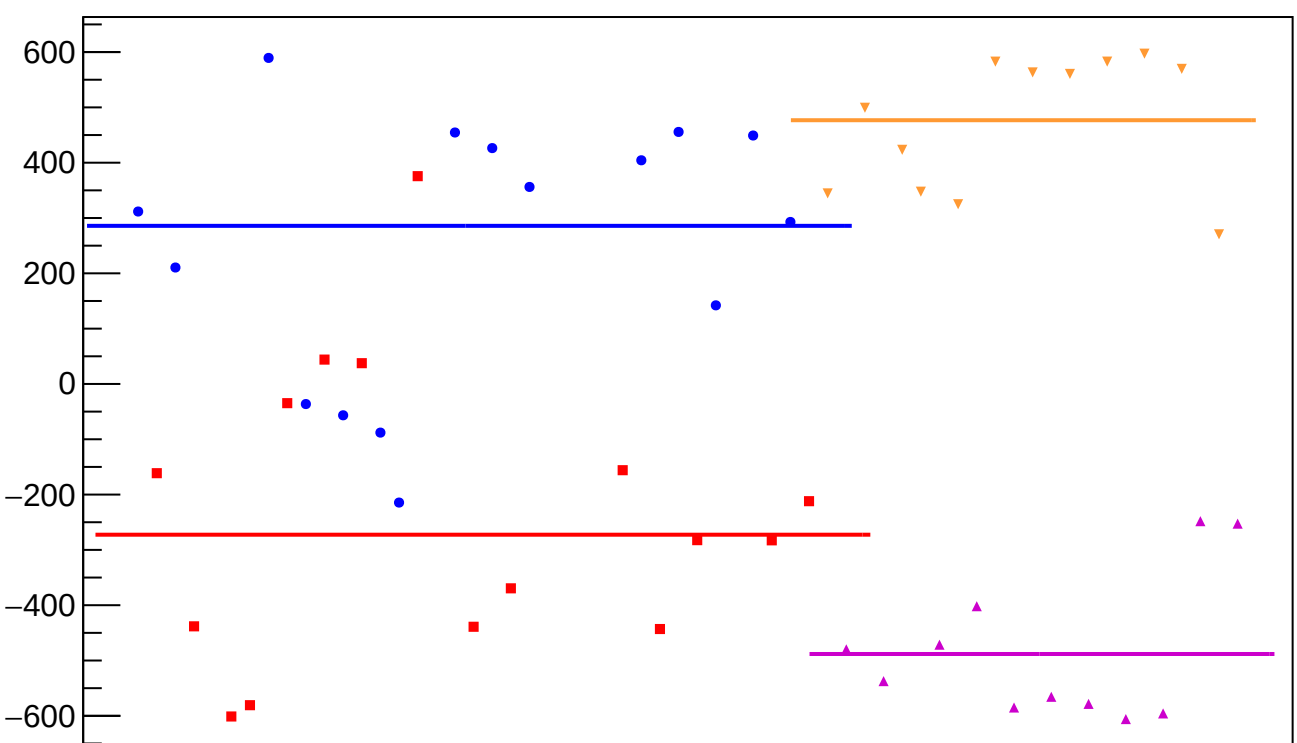
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823 4752.0/15

Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6

Left In: -1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367 2320.0/10

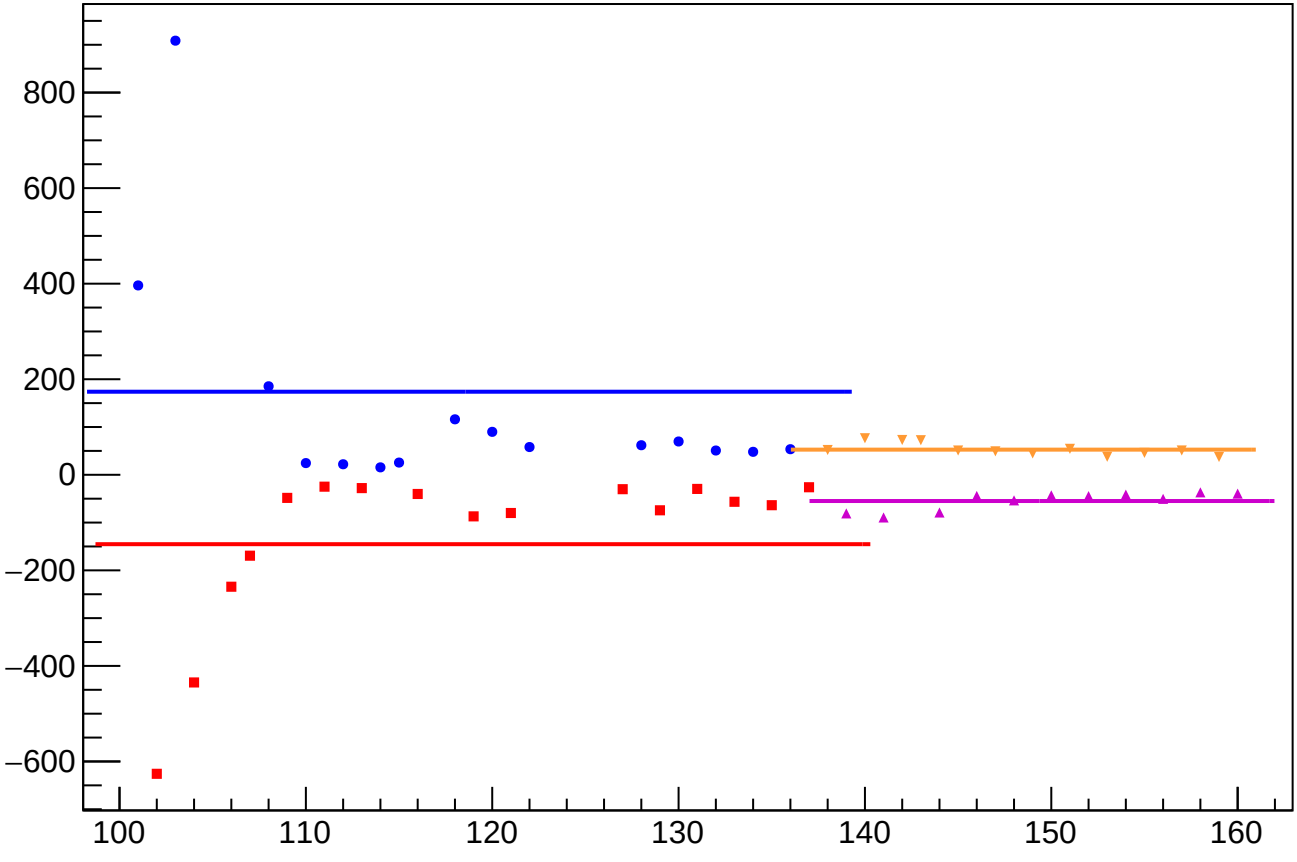
All: -20.037+/-0.000 $\chi^2$/NDF: 41583009966 8

# dit_sam7_coil6_mean vs Slug, Sign Corrected




Left: -8.329+/-0.000 $\chi^2$/NDF: 4544089185144213
Right In: 285.856+/-0.000 $\chi^2$/NDF: 2410824480235553006466331130108628172 8.0/14
Right: 2.840+/-0.000 $\chi^2$/NDF: 1708227674194589 5
Left Out: 476.795+/-0.000 $\chi^2$/NDF:1269599482428800046590619093459743539 2.0/11
In: -168.836+/-0.000 $\chi^2$/NDF:2663585226046871
Right Out: -272.539+/-0.000 $\chi^2$/NDF: 4414995266507559365033871333357571276 8.0/15
Out: 160.663+/-0.000 $\chi^2$/NDF:2733623549167339
Left In: -488.203+/-0.000 $\chi^2$/NDF:1382883198035888365328943239197307699 2.0/10
All: -3.669+/-0.000 $\chi^2$/NDF: 6253273590333

# dit_sam7_coil6_err_mean vs Slug, Sign Corrected




Left: -1.410+/-0.000 $\chi^2$/NDF: 57550913372035412

Right In: 173.871+/-0.000 $\chi^2$/NDF: 41705473404466232613073704554990665728.0/14

Right: 12.139+/-0.000 $\chi^2$/NDF: 9772897307710637

Left Out: 52.656+/-0.000 $\chi^2$/NDF:14015942338588797669206616754146508 8.0/11

In: 39.493+/-0.000 $\chi^2$/NDF:61956402161347872 4

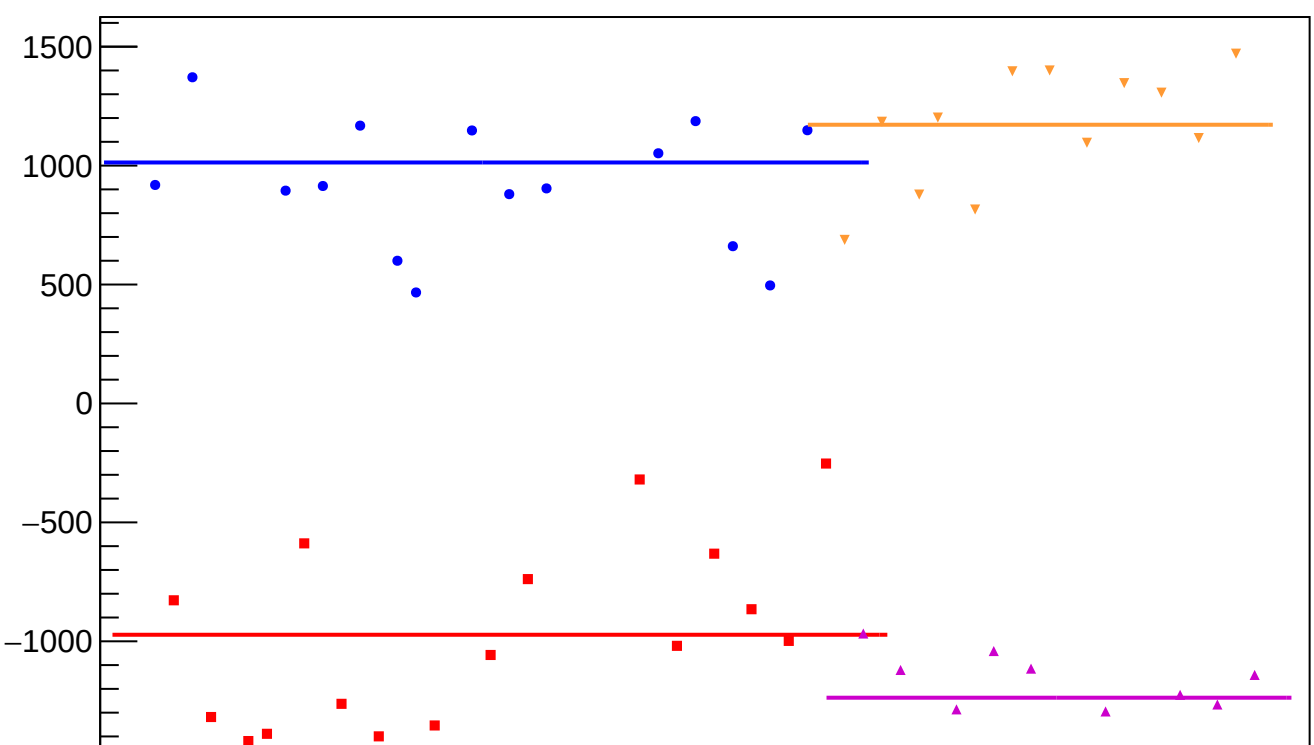
Right Out: -145.228+/-0.000 $\chi^2$/NDF: 22529615719408594720785265744437837824.0/15

Out: -30.828+/-0.000 $\chi^2$/NDF:3776923807481634

Left In: -54.891+/-0.000 $\chi^2$/NDF:3003582745061136124863381758845911 04.0/10

All: 4.243+/-0.000 $\chi^2$/NDF: 1036248534255 5

# dit_sam7_coil6_Ndata_mean vs Slug, Sign Corrected




Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14

Left Out: 1171.807+/-0.000 $\chi^2$/NDF:524249012820985838563124925770372218 88.0/11

Right Out: -972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15

Left In: -1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236723 20.0/10

Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436

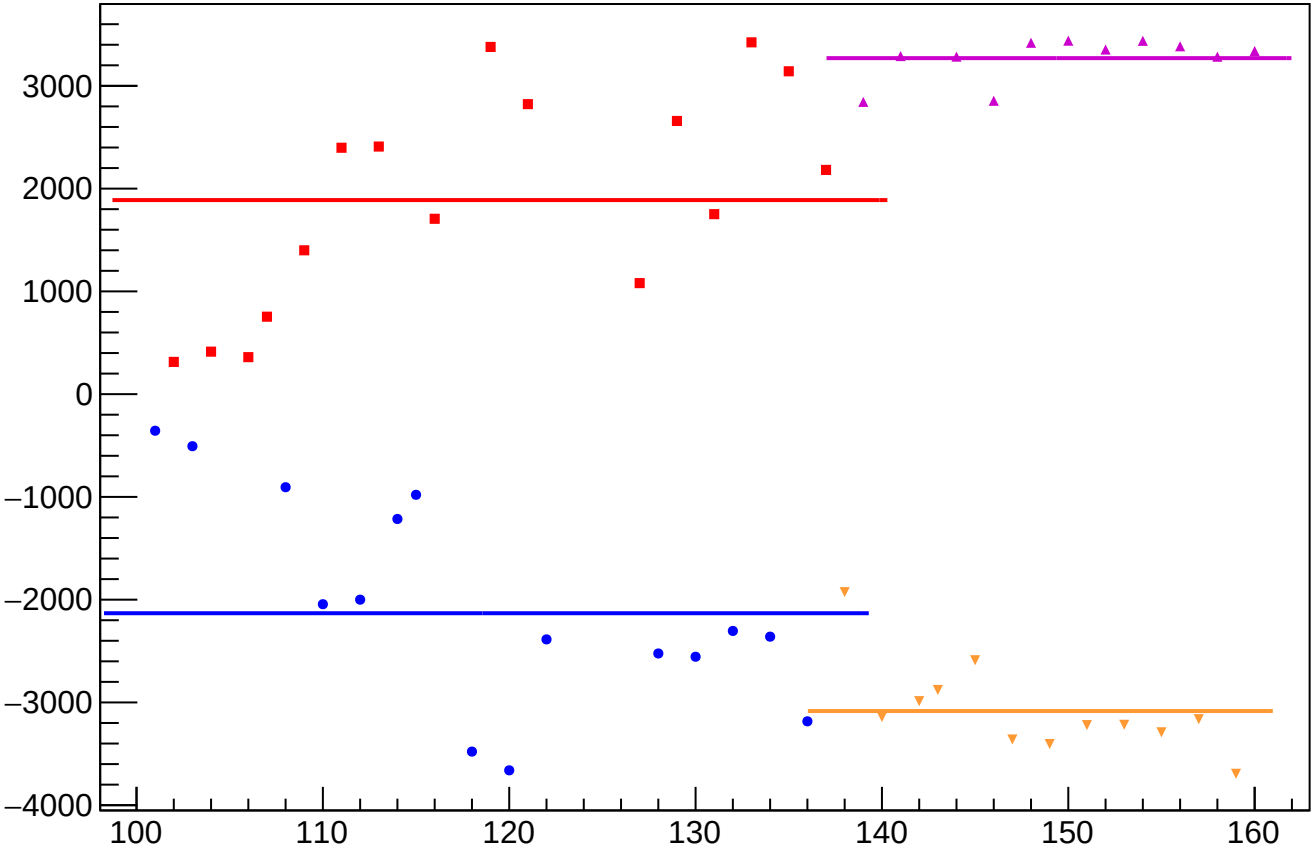
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173032

In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9

Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6

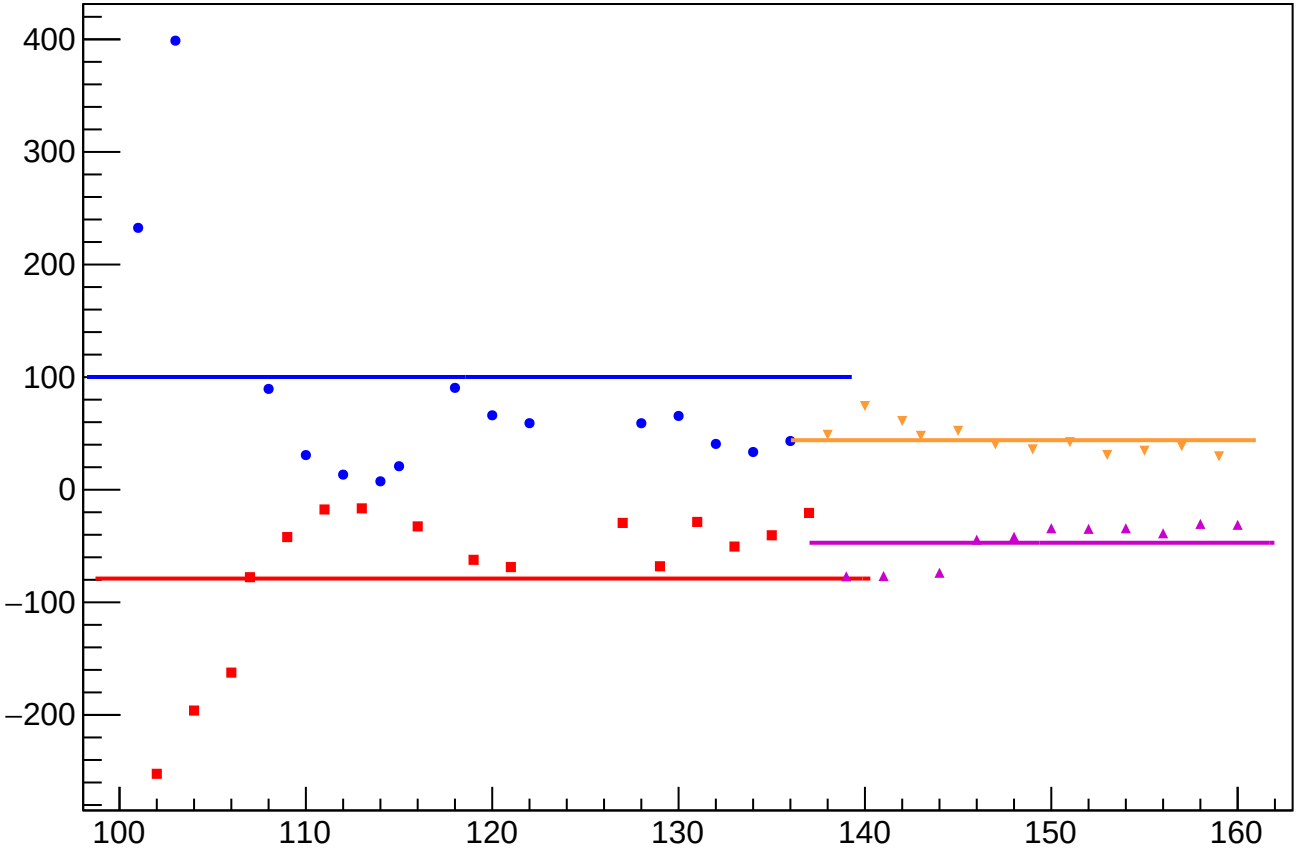
All: -20.037+/-0.000 $\chi^2$/NDF: 415830099668

# dit_sam8_coil6_mean vs Slug, Sign Corrected




Left: 110.297+/-0.000 $\chi^2$/NDF: 1876439765485971
Right In: -2131.905+/-0.000 $\chi^2$/NDF: 7224333845704950711314506619836705013 76.0/14
Right: -94.234+/-0.000 $\chi^2$/NDF: 683113062504059
Left Out: -3083.729+/-0.000 $\chi^2$/NDF:1783226778566638241493092060688600268 80.0/11
In: 1041.098+/-0.000 $\chi^2$/NDF:1188405782367471
Right Out: 1888.448+/-0.000 $\chi^2$/NDF: 7919866655519806910327198626117698191 36.0/15
Out: -986.042+/-0.000 $\chi^2$/NDF:105033900940683
Left In: 3269.755+/-0.000 $\chi^2$/NDF:3809809618039106243109217623978121625 6.0/10
All: 24.957+/-0.000 $\chi^2$/NDF: 2562760992420

# dit_sam8_coil6_err_mean vs Slug, Sign Corrected




Left: -1.797+/-0.000 $\chi^2$/NDF: 42588434917302014

Right In: 100.135+/-0.000 $\chi^2$/NDF: 7813910768784473081480373577053110272.0/14

Right: 9.403+/-0.000 $\chi^2$/NDF: 21880477100402541

Left Out: 43.994+/-0.000 $\chi^2$/NDF:1440388770879811948064706780022702 08.0/11

In: 13.652+/-0.000 $\chi^2$/NDF:16380012936248555

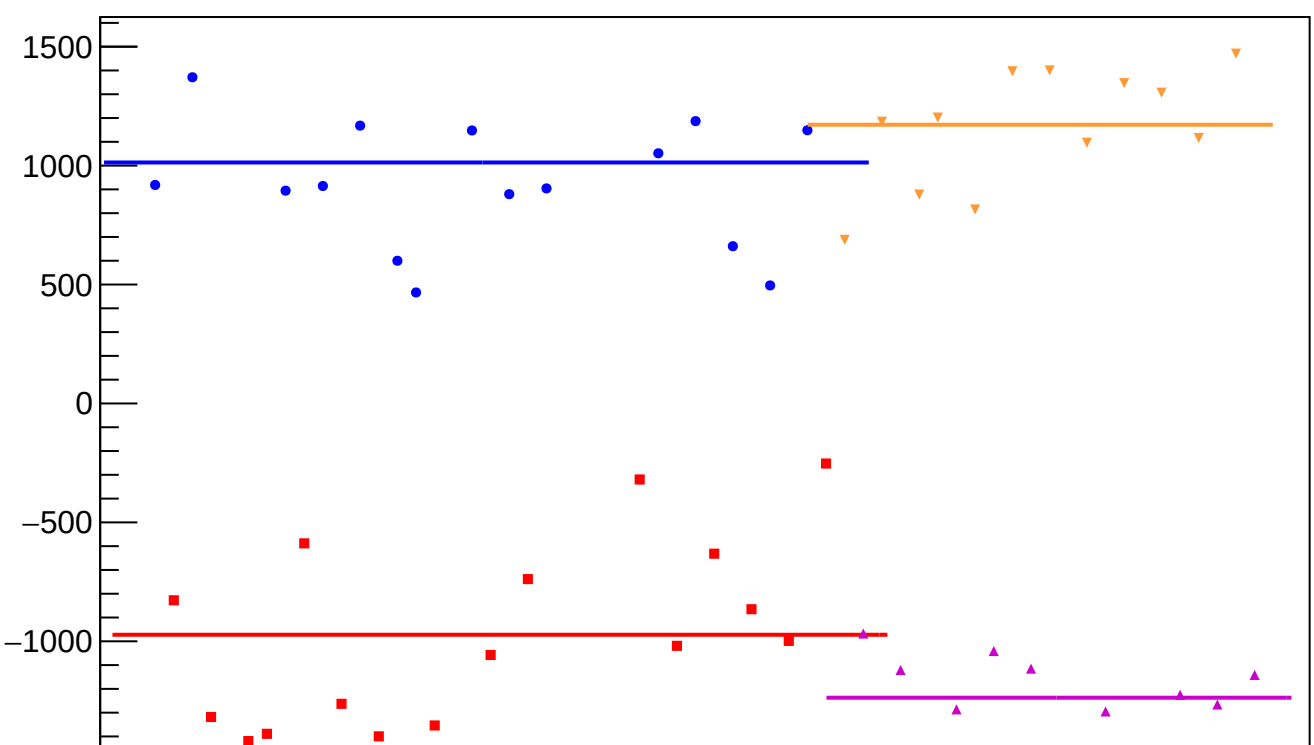
Right Out: -78.881+/-0.000 $\chi^2$/NDF: 3525129078433901202304301512966275072.0/15

Out: -7.845+/-0.000 $\chi^2$/NDF:94911269536078839

Left In: -47.092+/-0.000 $\chi^2$/NDF:3025501560868665348054471174028001 28.0/10

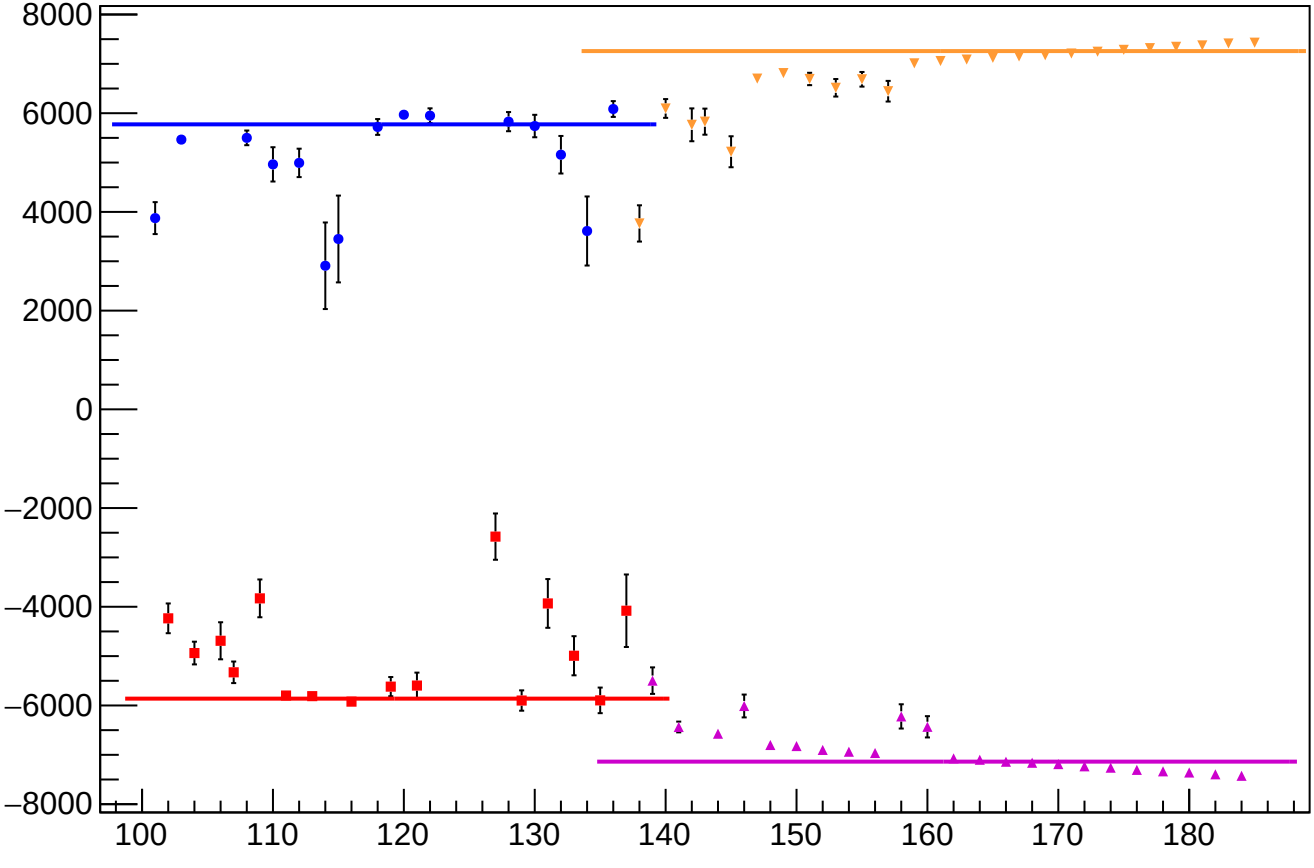
All: 2.876+/-0.000 $\chi^2$/NDF: 2623551568947 9

# dit_sam8_coil6_Ndata_mean vs Slug, Sign Corrected




Left: -39.225+/-0.000 $\chi^2$/NDF: 2749183771125436
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722188 8.0/11
In: -308.706+/-0.000 $\chi^2$/NDF:199253471187738 9
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: 267.171+/-0.000 $\chi^2$/NDF:190427366699918 6
Left In: -1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367232 0.0/10
All: -20.037+/-0.000 $\chi^2$/NDF: 41583009966 8

# dit_run_mean vs Slug, Sign Corrected




Right In: 5774.117+/-0.181 $\chi^2$/NDF: 1828526.5/14

Left Out: 7258.636+/-0.092 $\chi^2$/NDF:4237941.4/24

Right Out: -5861.461+/-0.140 $\chi^2$/NDF: 180020.4/15

Left In: -7137.987+/-0.098 $\chi^2$/NDF:4549121.8/22

Left: 544.300+/-0.067 $\chi^2$/NDF: 11467691043.9/47

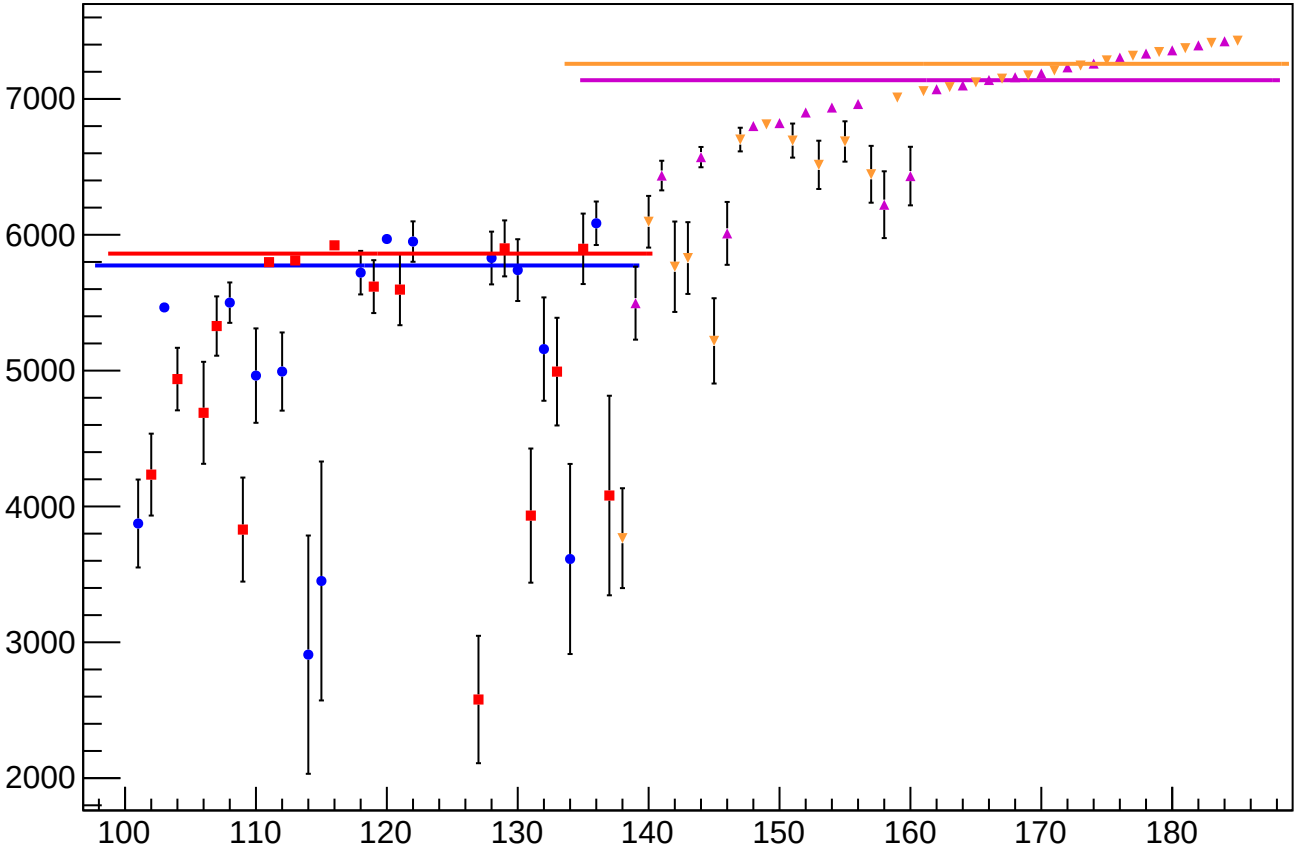
Right: -1536.191+/-0.111 $\chi^2$/NDF: 2585354230.9/30

In: -4211.004+/-0.086 $\chi^2$/NDF:3922075931.5/37

Out: 3294.134+/-0.077 $\chi^2$/NDF:6170438889.1/40

All: -15.116+/-0.057 $\chi^2$/NDF: 14311598667.5

# dit_run_rms vs Slug, Sign Corrected




Right In: 5774.117+/-0.181 $\chi^2$/NDF: 1828526.5/14

Left Out: 7258.636+/-0.092 $\chi^2$/NDF:4237941.4/24

Right Out: 5861.461+/-0.140 $\chi^2$/NDF: 180020.4/15

Left In: 7137.987+/-0.098 $\chi^2$/NDF:4549121.8/22

Left: 7202.367+/-0.067 $\chi^2$/NDF: 9591818.2/47

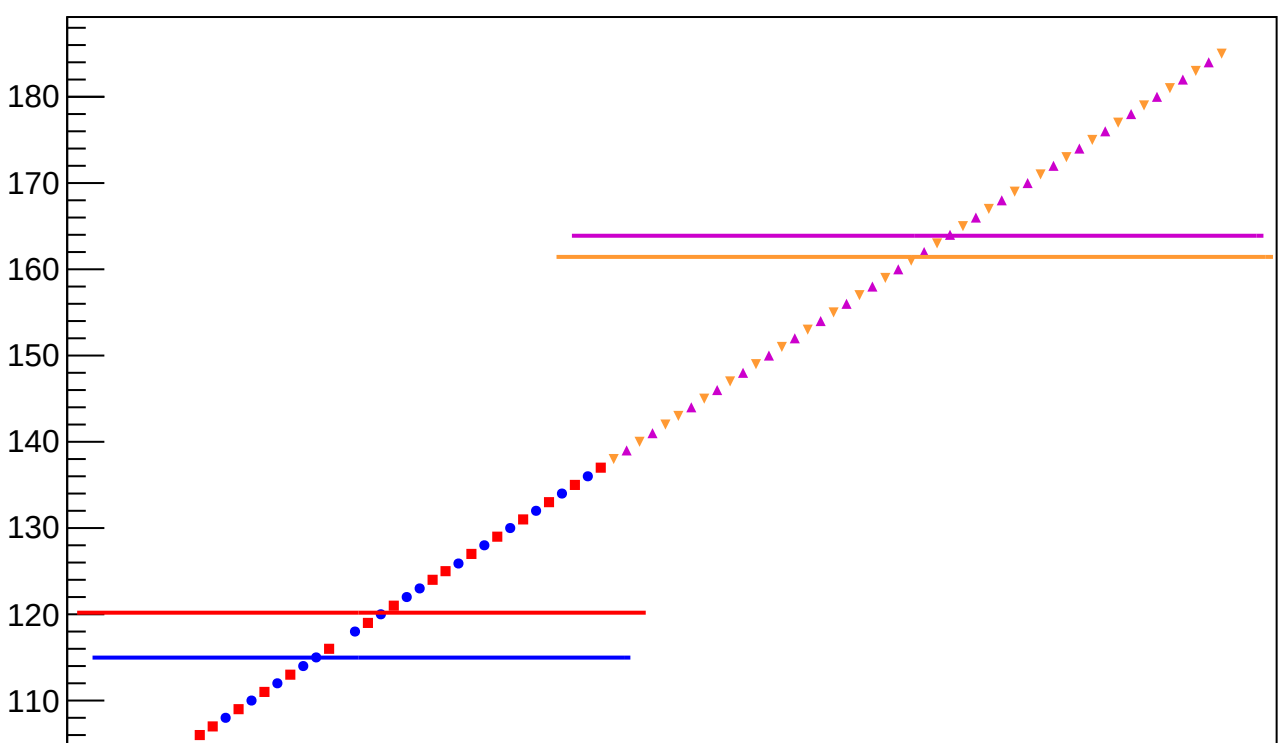
Right: 5828.993+/-0.111 $\chi^2$/NDF: 2154118.4/30

In: 6828.818+/-0.086 $\chi^2$/NDF:50065585.8/37

Out: 6836.451+/-0.077 $\chi^2$/NDF:74342923.0/40

All: 6833.085+/-0.057 $\chi^2$/NDF: 124412873.1

# dit_slug_slope vs Slug, Sign Corrected




Left: 162.851+/-0.000 $\chi^2$/NDF: 3540465111321937

Right In: 114.980+/-0.000 $\chi^2$/NDF: 112344936246012934714934440230912.0/16

Right: 117.096+/-0.000 $\chi^2$/NDF: 180832885295768

Left Out: 161.437+/-0.000 $\chi^2$/NDF:1443514150867720869199862059499 52.0/24

In: 138.150+/-0.000 $\chi^2$/NDF:19909207355439177

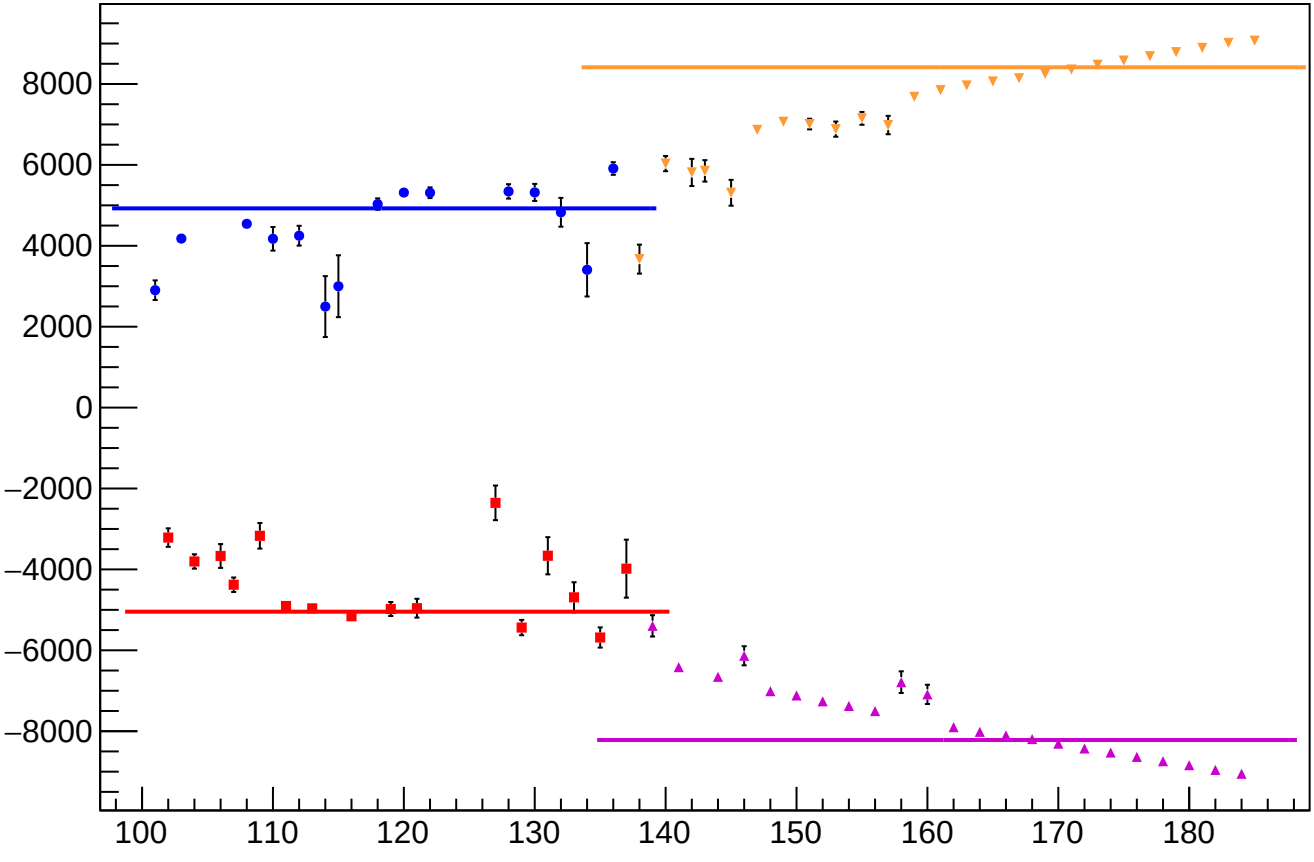
Right Out: 120.186+/-0.000 $\chi^2$/NDF: 52233253644261695528198041763840.0/18

Out: 140.465+/-0.000 $\chi^2$/NDF:104159193076998 8

Left In: 163.890+/-0.000 $\chi^2$/NDF:20630892609006918370936038726041 6.0/22

All: 139.110+/-0.000 $\chi^2$/NDF: 30387430742 4

# dit_cyclenum_mean vs Slug, Sign Corrected




Right In: 4925.305+/-0.939 $\chi^2$/NDF: 330994.6/14

Left Out: 8412.753+/-0.396 $\chi^2$/NDF:2106465.3/24

Right Out: -5045.221+/-0.668 $\chi^2$/NDF: 30179.9/15

Left In: -8217.639+/-0.381 $\chi^2$/NDF:2974101.4/22

Left: -221.056+/-0.274 $\chi^2$/NDF: 921962342.7/47

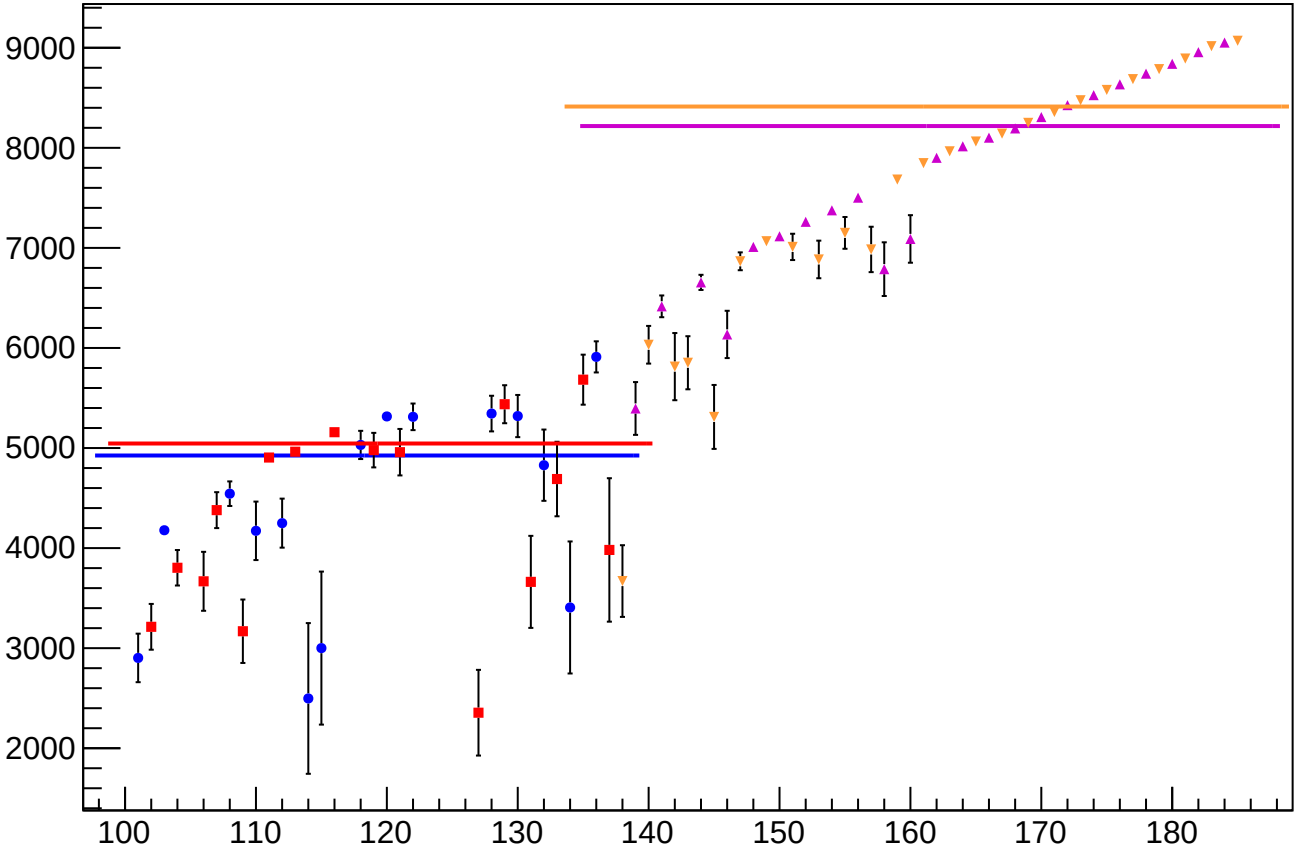
Right: -1694.510+/-0.544 $\chi^2$/NDF: 75266282.5/30

In: -6360.026+/-0.353 $\chi^2$/NDF:171632346.5/37

Out: 4915.430+/-0.340 $\chi^2$/NDF:302691560.4/40

All: -519.775+/-0.245 $\chi^2$/NDF: 1003073907.0

# dit_cyclenum_rms vs Slug, Sign Corrected




Right In: 4925.305+/-0.939 $\chi^2$/NDF: 330994.6/14

Left Out: 8412.753+/-0.396 $\chi^2$/NDF:2106465.3/24

Right Out: 5045.221+/-0.668 $\chi^2$/NDF: 30179.9/15

Left In: 8217.639+/-0.381 $\chi^2$/NDF:2974101.4/22

Left: 8311.458+/-0.274 $\chi^2$/NDF: 5206774.3/47

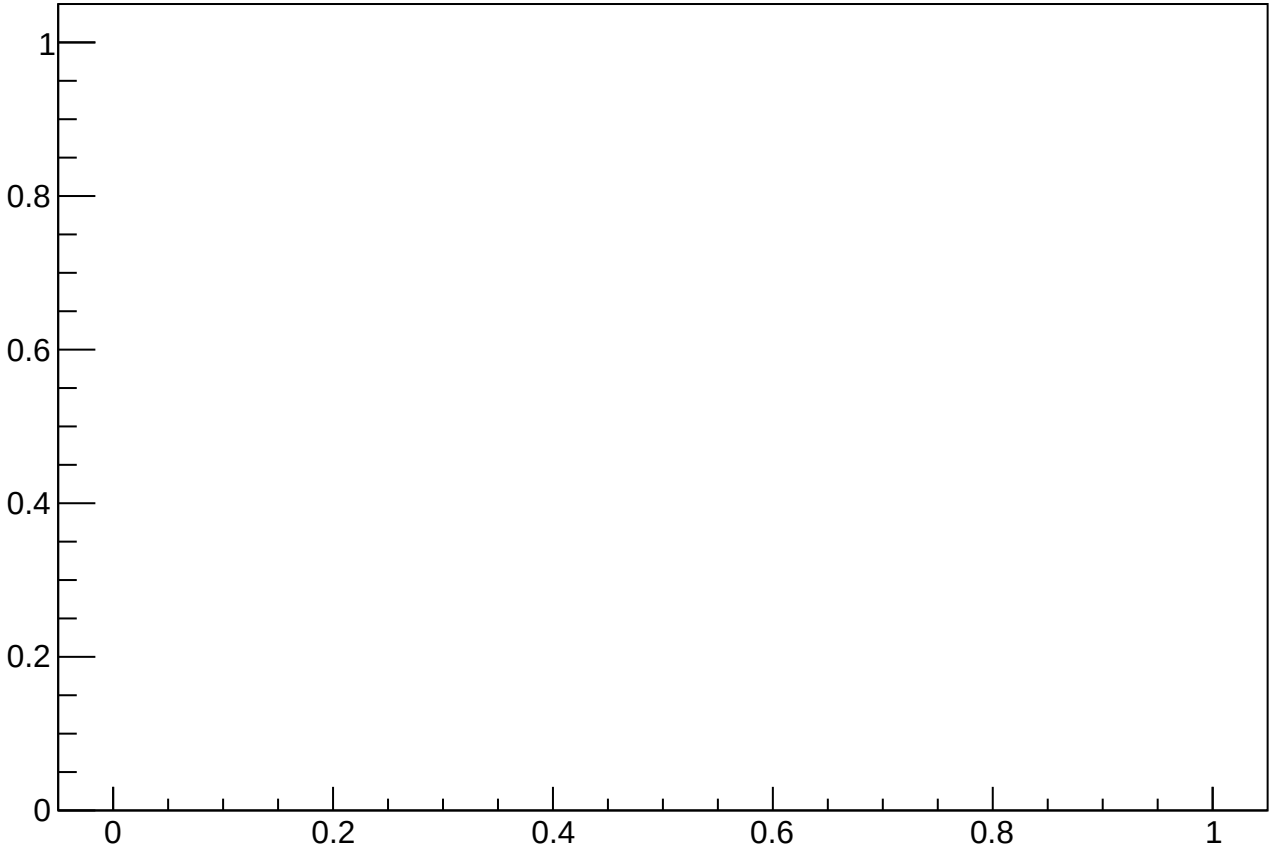
Right: 5004.922+/-0.544 $\chi^2$/NDF: 372009.4/30

In: 7752.303+/-0.353 $\chi^2$/NDF:13867841.6/37

Out: 7537.633+/-0.340 $\chi^2$/NDF:20955273.2/40

All: 7641.112+/-0.245 $\chi^2$/NDF: 35014772.5/7

# dit_scandata1_mean vs Slug, Sign Corrected




Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Left: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

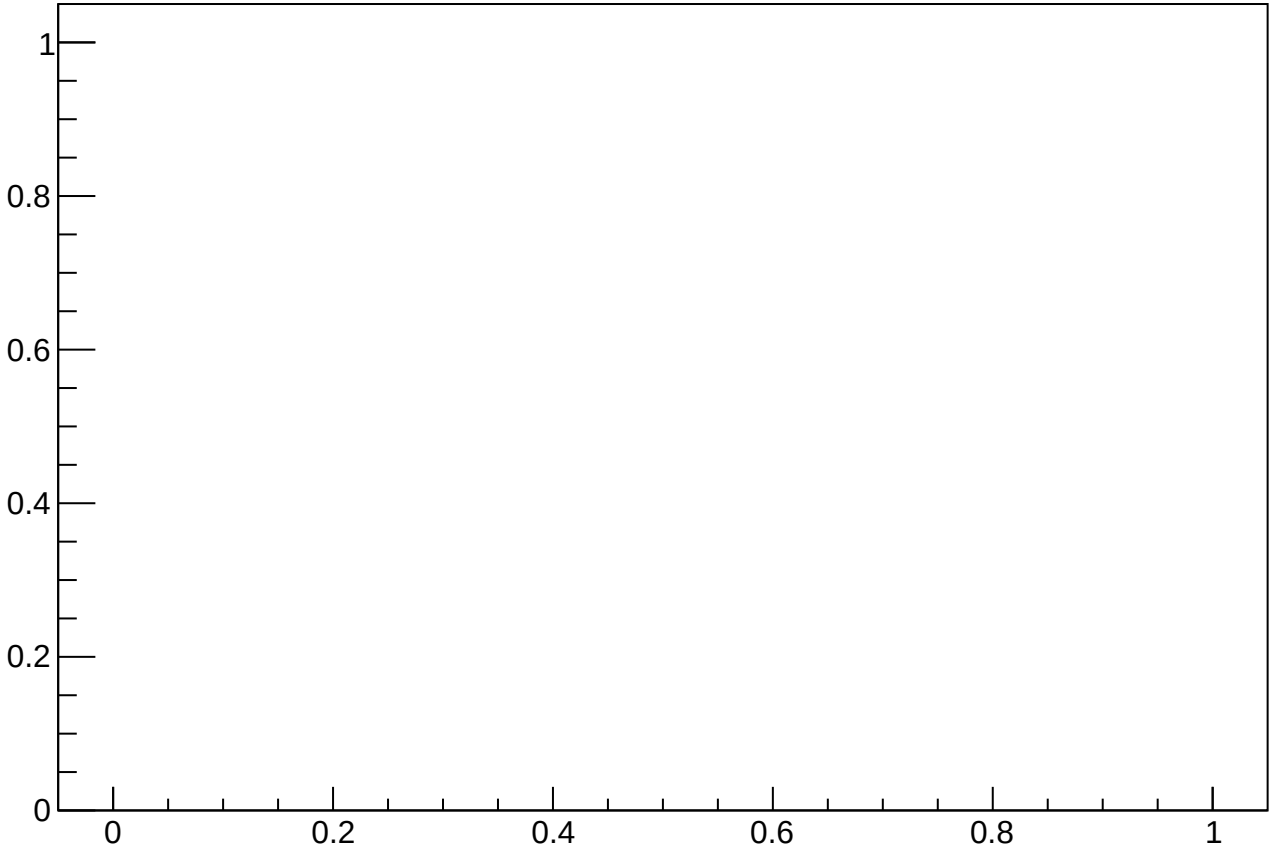
Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Out: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

All: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

# dit_scandata1_rms vs Slug, Sign Corrected




Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Left: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

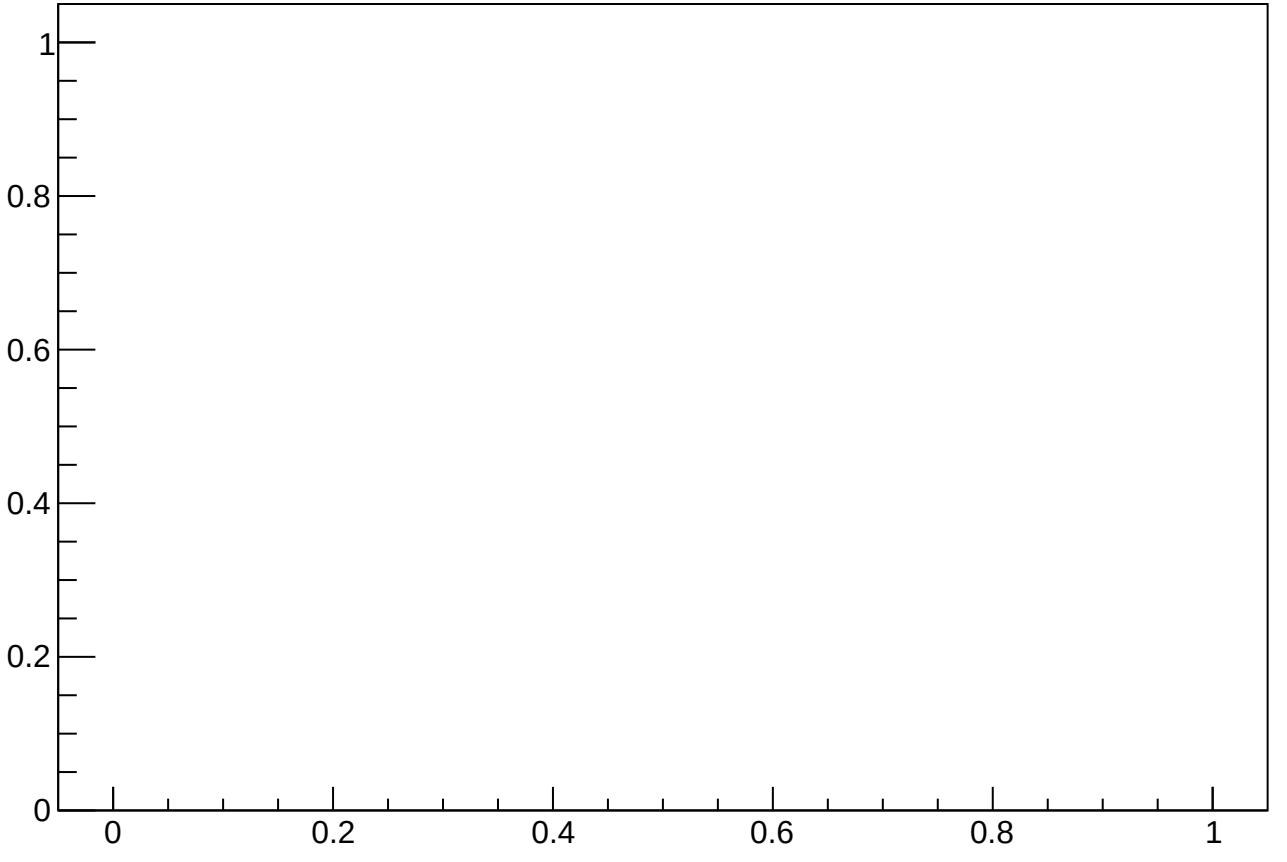
Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Out: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

All: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

# dit_scandata2_mean vs Slug, Sign Corrected




Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Left: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

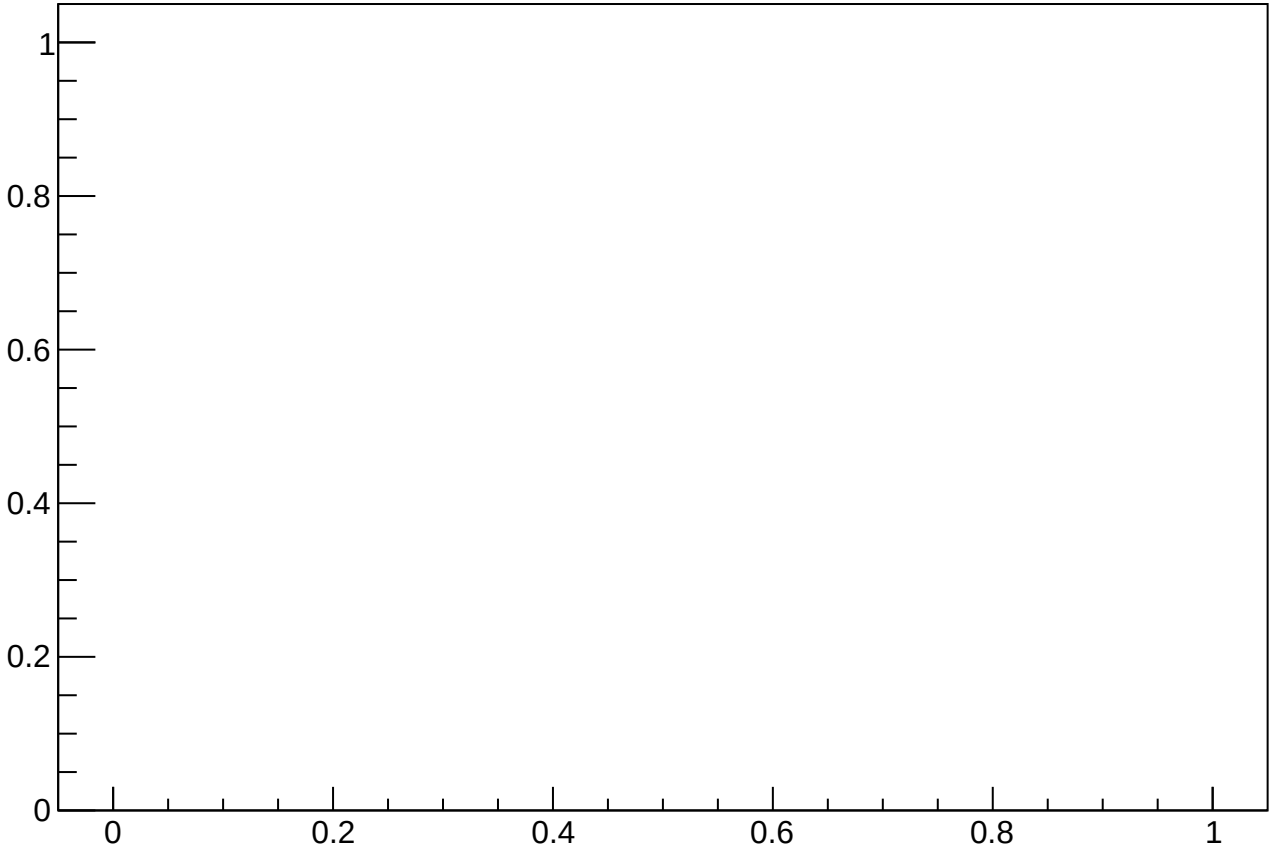
Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Out: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

All: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

# dit_scandata2_rms vs Slug, Sign Corrected




Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Left: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

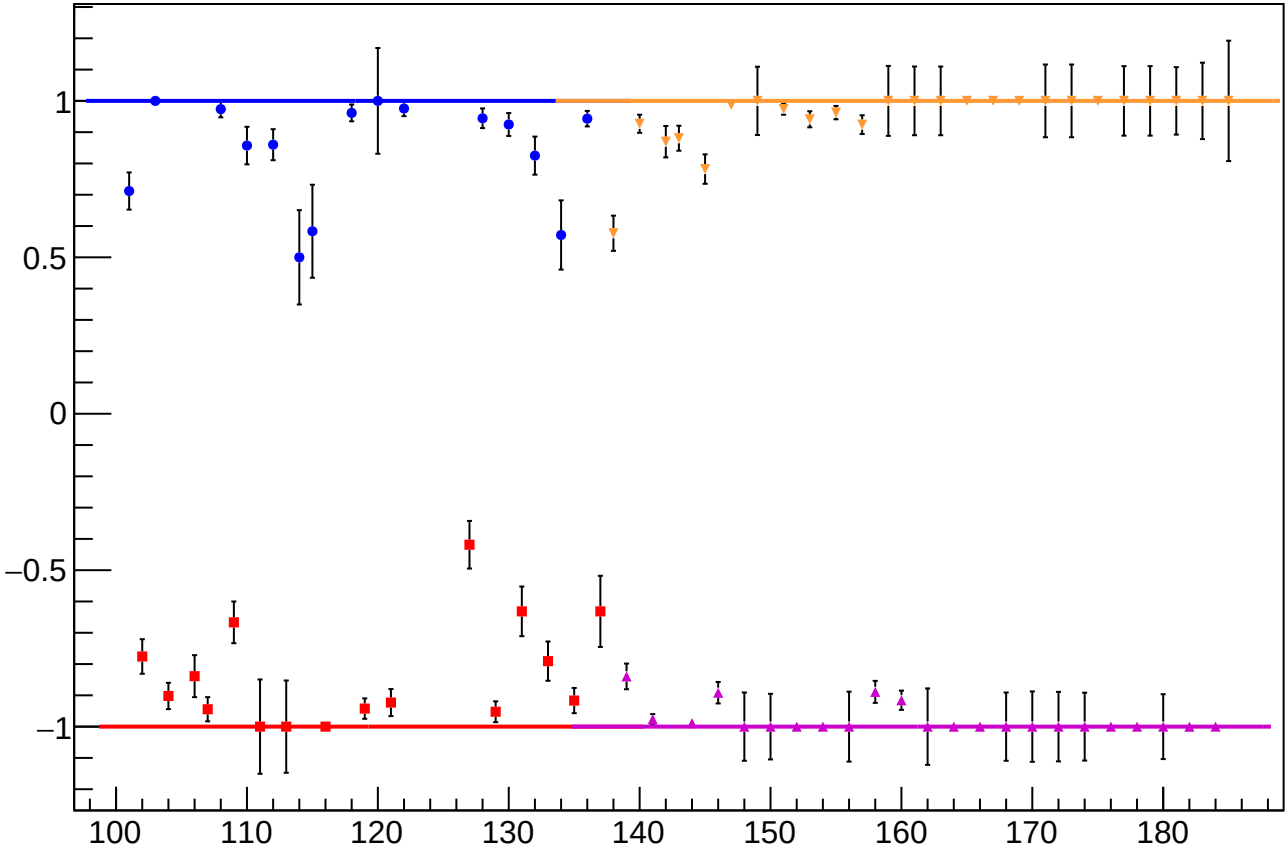
Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Out: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

All: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

# dit_flag_mean vs Slug, Sign Corrected




Right In: 1.000+/-0.000 $\chi^2$/NDF: 95.9/14

Left Out: 1.000+/-0.000 $\chi^2$/NDF:1596.8/24

Right Out: -1.000+/-0.000 $\chi^2$/NDF: 168.9/15

Left In: -1.000+/-0.000 $\chi^2$/NDF:385.6/22

Left: -0.308+/-0.000 $\chi^2$/NDF: 25106005466555206

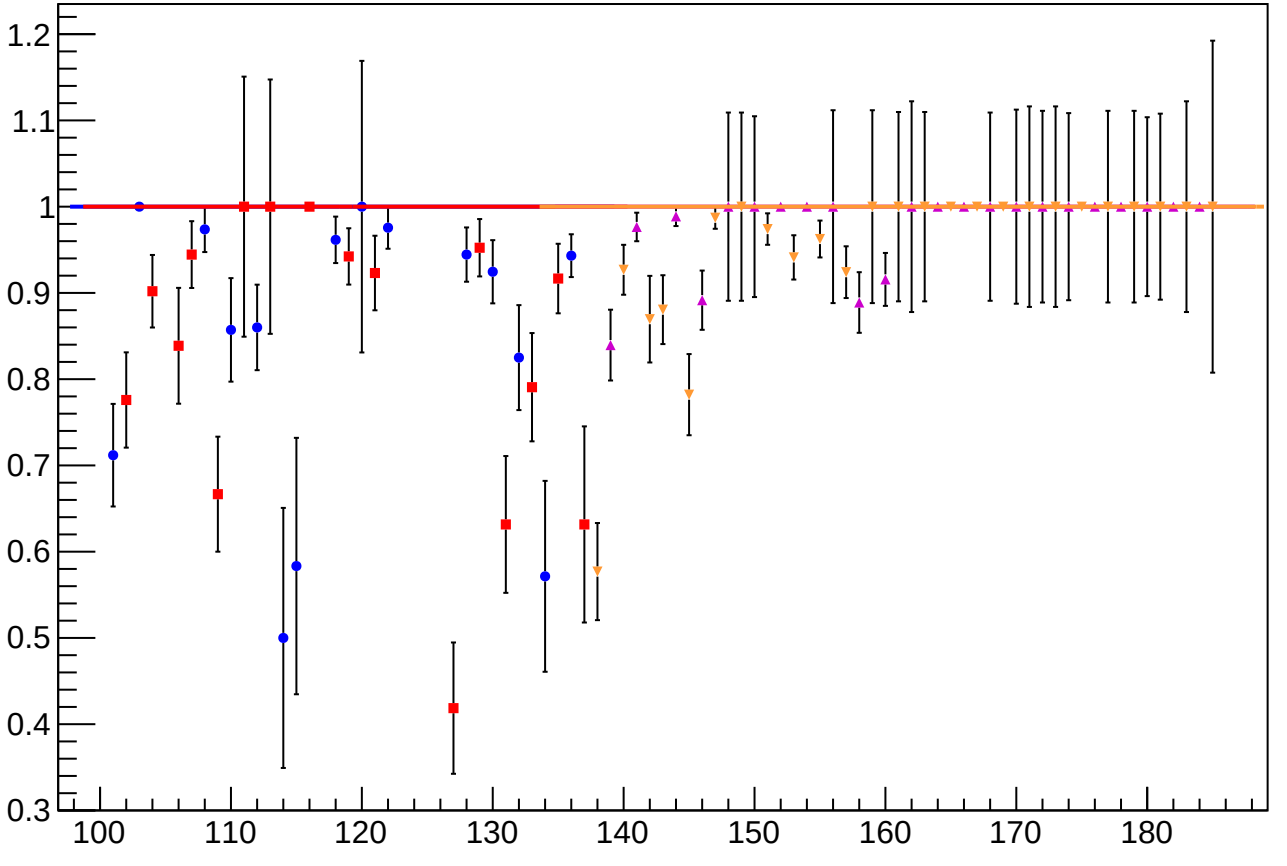
Right: 0.398+/-0.000 $\chi^2$/NDF: 14173250084479480

In: -0.878+/-0.000 $\chi^2$/NDF:44191390662143057 7

Out: 0.900+/-0.000 $\chi^2$/NDF:19264216350456297 8

All: -0.268+/-0.000 $\chi^2$/NDF: 2731457681481

# dit_flag_rms vs Slug, Sign Corrected




Right In: 1.000+/-0.000 $\chi^2$/NDF: 95.9/14

Left Out: 1.000+/-0.000 $\chi^2$/NDF:1596.8/24

Right Out: 1.000+/-0.000 $\chi^2$/NDF: 168.9/15

Left In: 1.000+/-0.000 $\chi^2$/NDF:385.6/22

Left: 1.000+/-0.000 $\chi^2$/NDF: 802.6/47

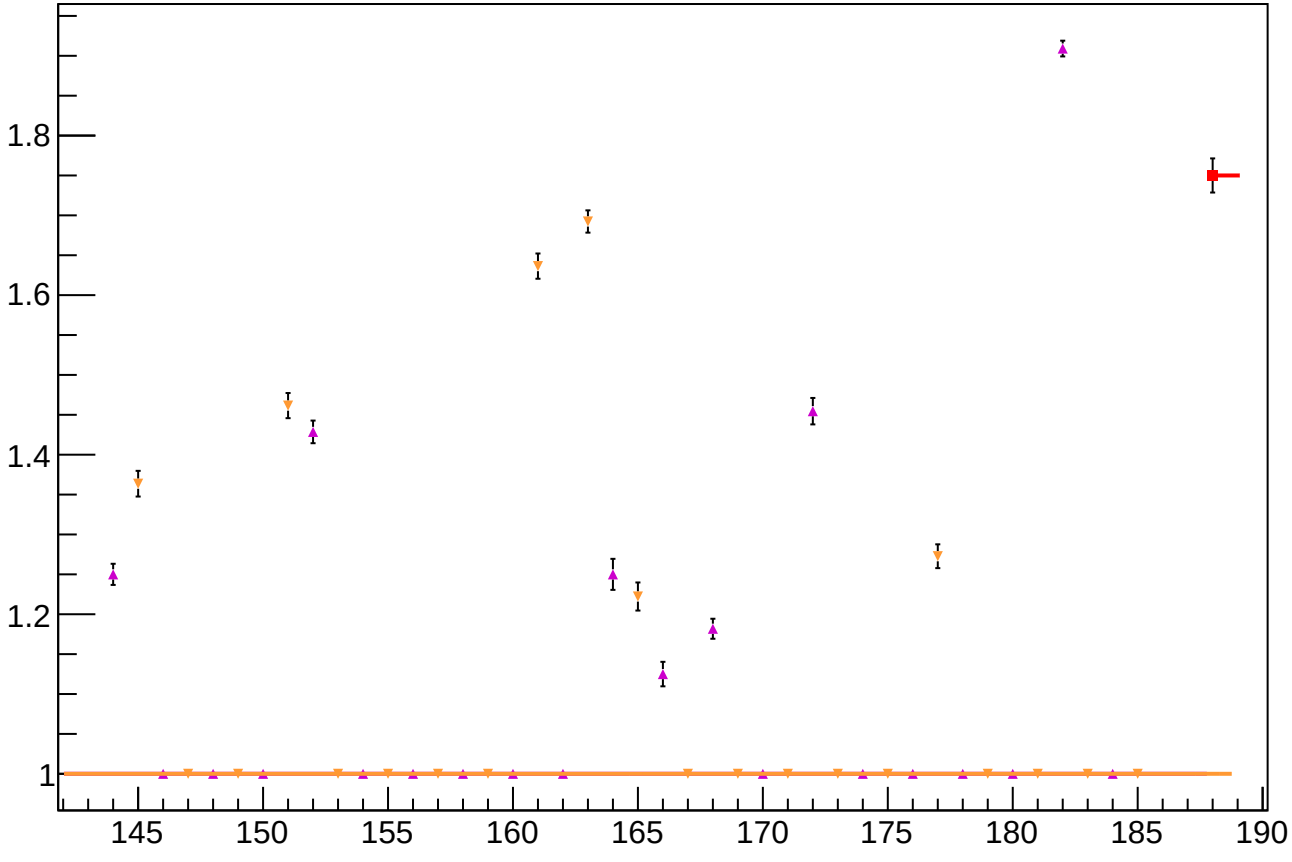
Right: 1.000+/-0.000 $\chi^2$/NDF: 347.8/30

In: 1.000+/-0.000 $\chi^2$/NDF:746.7/37

Out: 1.000+/-0.000 $\chi^2$/NDF:607.7/40

All: 1.000+/-0.000 $\chi^2$/NDF: 1354.4/78

# dit_segment_slope vs Slug, Sign Corrected




Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1.000+/-0.000 $\chi^2$/NDF:18616.2/20

Right Out: 1.750+/-0.021 $\chi^2$/NDF: 0.0/0

Left In: 1.000+/-0.000 $\chi^2$/NDF:12089.0/20

Left: 1.000+/-0.000 $\chi^2$/NDF: 19113.7/41

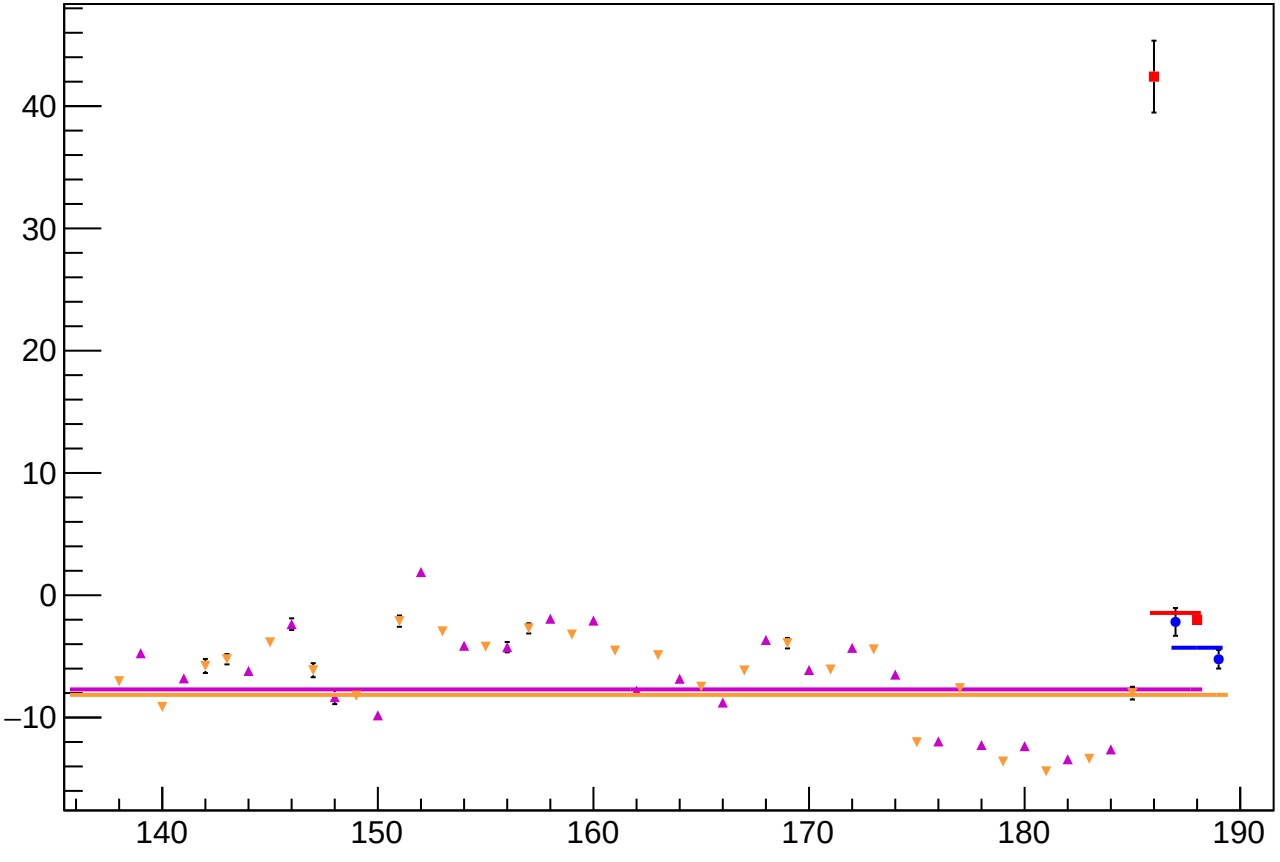
Right: 1.750+/-0.021 $\chi^2$/NDF: 0.0/0

In: 1.000+/-0.000 $\chi^2$/NDF:12089.0/20

Out: 1.000+/-0.000 $\chi^2$/NDF:19846.7/21

All: 1.000+/-0.000 $\chi^2$/NDF: 20344.2/42

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -4.292+/-0.632 $\chi^2$/NDF: 5.0/1

Left Out: -8.149+/-0.068 $\chi^2$/NDF:3613.1/24

Right Out: -1.447+/-0.334 $\chi^2$/NDF: 225.6/1

Left In: -7.701+/-0.068 $\chi^2$/NDF:3737.2/22

Left: -7.928+/-0.048 $\chi^2$/NDF: 7372.0/47

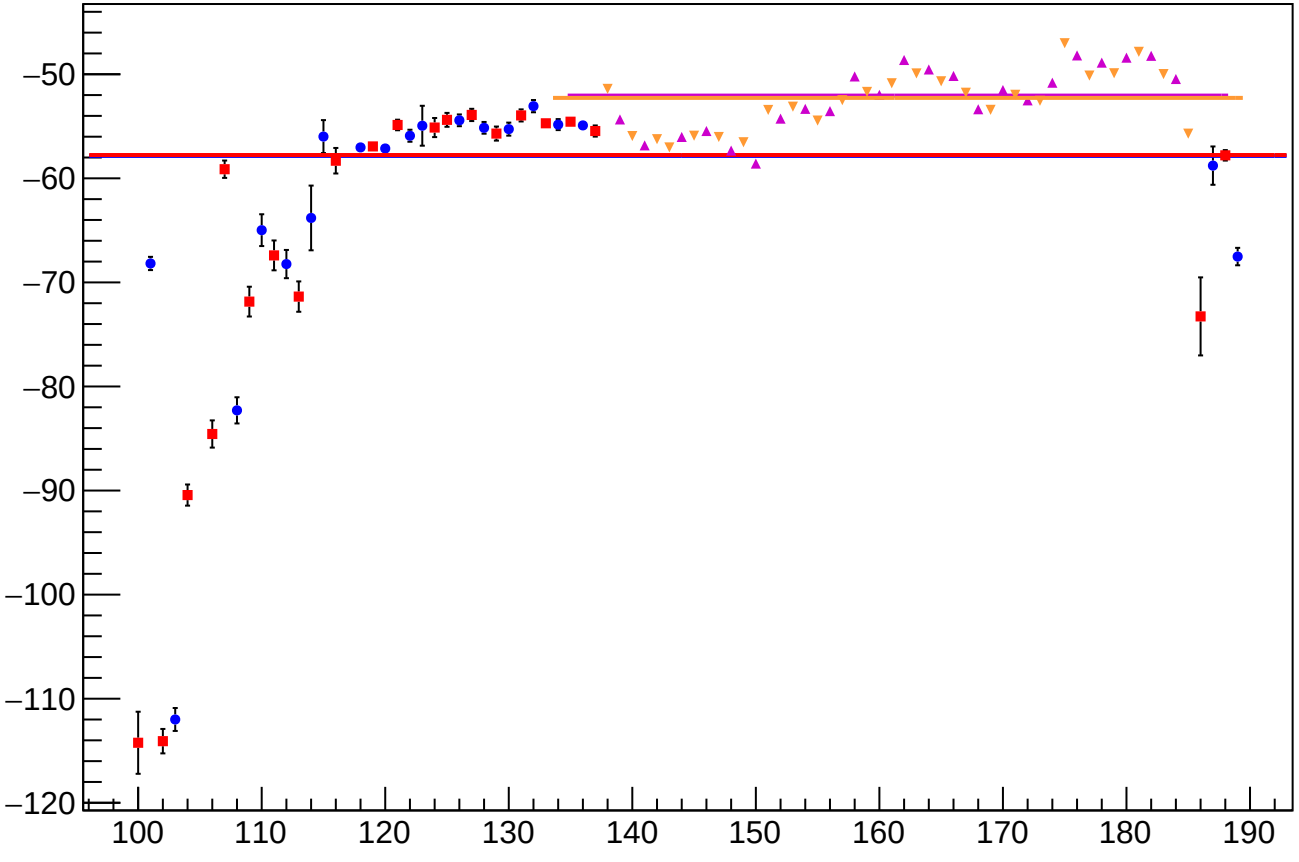
Right: -2.068+/-0.295 $\chi^2$/NDF: 246.4/3

In: -7.662+/-0.068 $\chi^2$/NDF:3771.0/24

Out: -7.886+/-0.066 $\chi^2$/NDF:4225.9/26

All: -7.777+/-0.047 $\chi^2$/NDF: 8002.5/51

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -57.845+/-0.139 $\chi^2$/NDF: 3593.5/18

Left Out: -52.271+/-0.055 $\chi^2$/NDF:2609.6/24

Right Out: -57.761+/-0.137 $\chi^2$/NDF: 4715.6/20

Left In: -52.050+/-0.057 $\chi^2$/NDF:3197.5/22

Left: -52.164+/-0.040 $\chi^2$/NDF: 5814.9/47

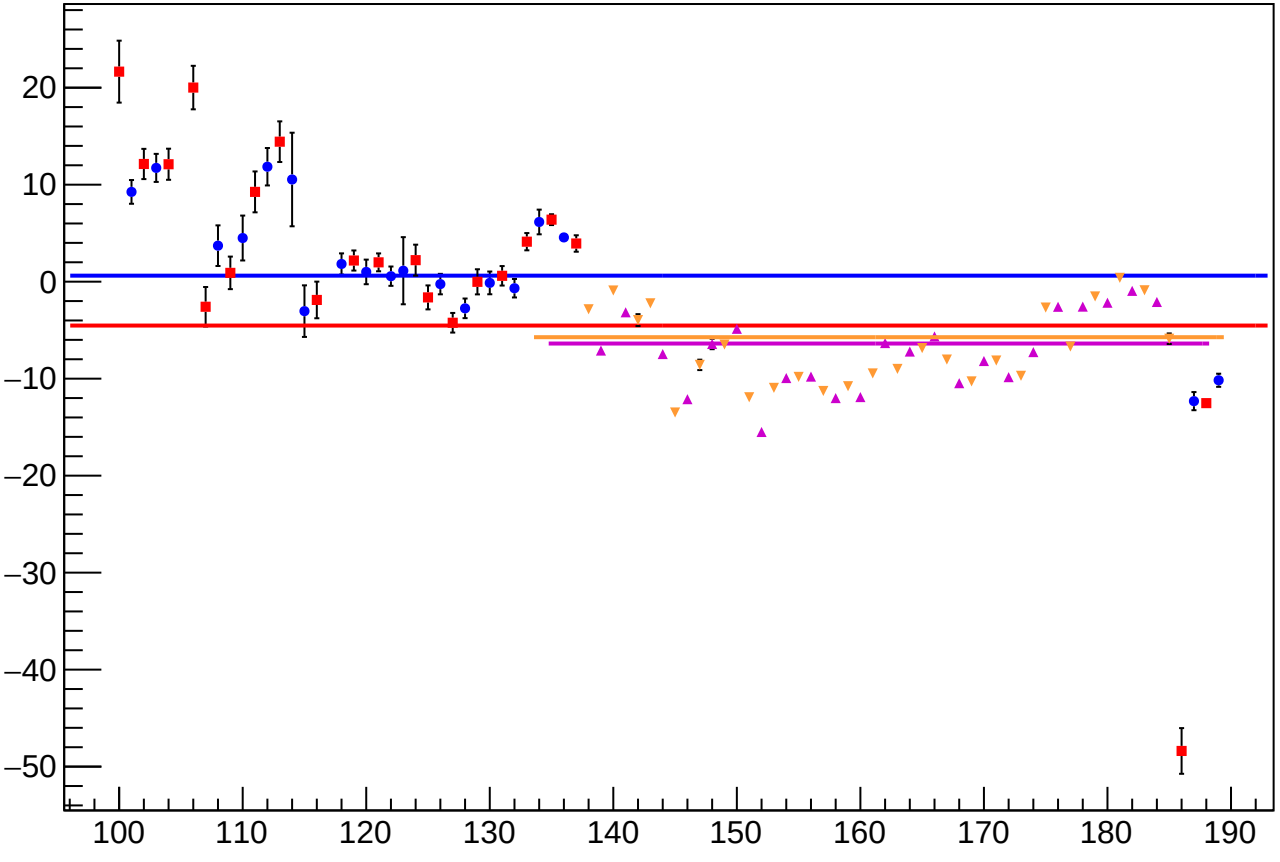
Right: -57.802+/-0.098 $\chi^2$/NDF: 8309.2/39

In: -52.883+/-0.053 $\chi^2$/NDF:8277.1/41

Out: -53.033+/-0.051 $\chi^2$/NDF:8698.2/45

All: -52.960+/-0.037 $\chi^2$/NDF: 16979.5/87

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 0.620+/-0.233 $\chi^2$/NDF: 729.6/18

Left Out: -5.725+/-0.068 $\chi^2$/NDF:3989.1/24

Right Out: -4.525+/-0.190 $\chi^2$/NDF: 2486.0/20

Left In: -6.379+/-0.068 $\chi^2$/NDF:3395.7/22

Left: -6.049+/-0.048 $\chi^2$/NDF: 7431.1/47

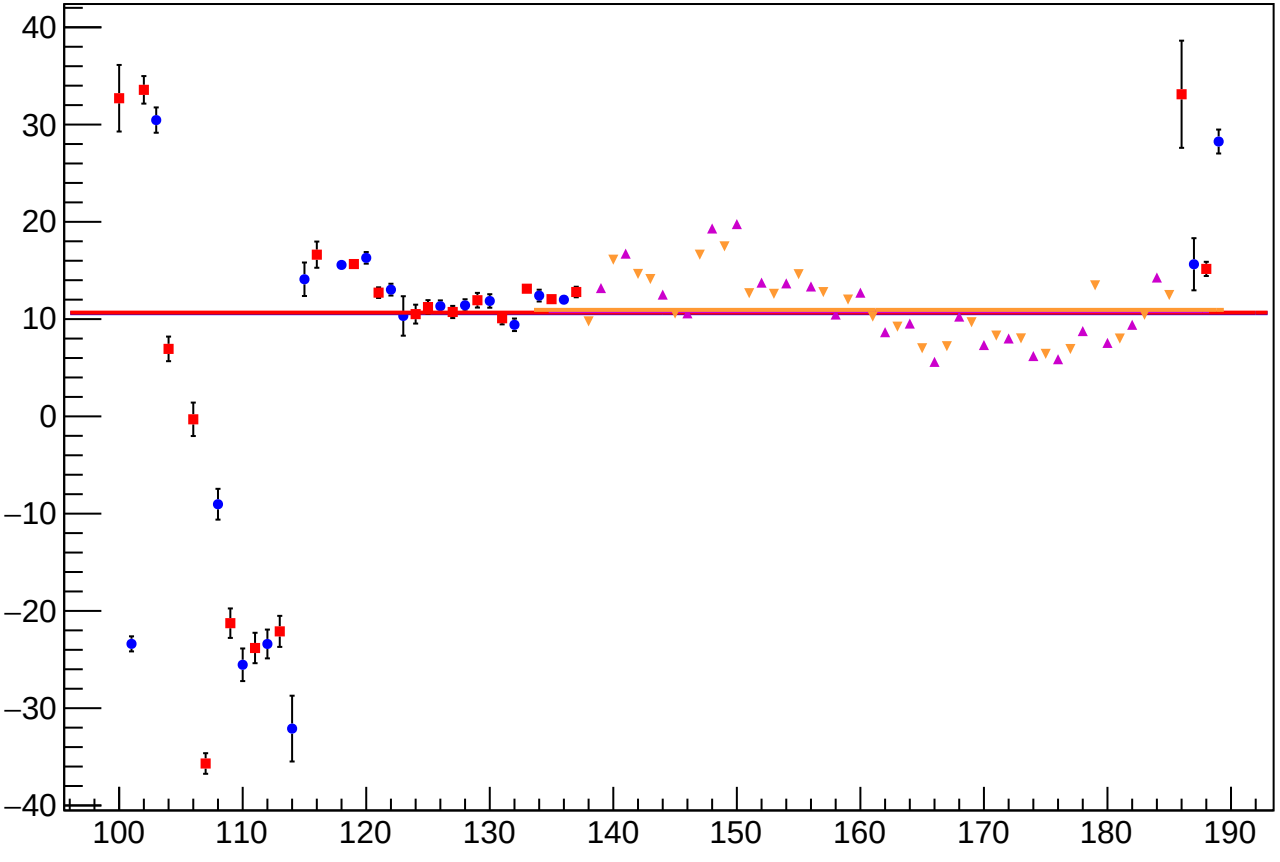
Right: -2.471+/-0.147 $\chi^2$/NDF: 3507.9/39

In: -5.826+/-0.066 $\chi^2$/NDF:4954.7/41

Out: -5.590+/-0.064 $\chi^2$/NDF:6510.4/45

All: -5.705+/-0.046 $\chi^2$/NDF: 11471.8/87

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 10.609+/-0.155 $\chi^2$/NDF: 3925.2/18

Left Out: 10.950+/-0.062 $\chi^2$/NDF:2620.4/24

Right Out: 10.667+/-0.156 $\chi^2$/NDF: 3885.2/20

Left In: 10.818+/-0.063 $\chi^2$/NDF:3577.7/22

Left: 10.886+/-0.044 $\chi^2$/NDF: 6200.3/47

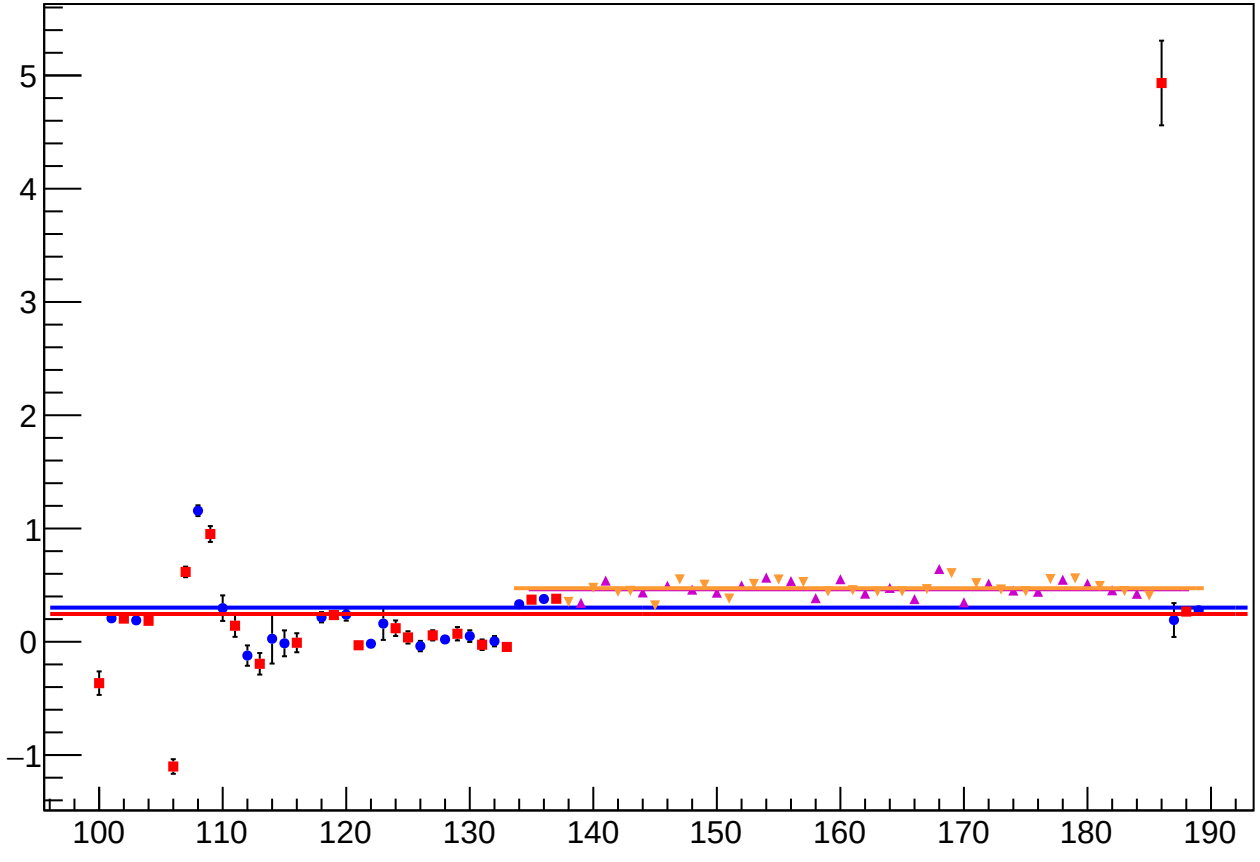
Right: 10.638+/-0.110 $\chi^2$/NDF: 7810.5/39

In: 10.789+/-0.058 $\chi^2$/NDF:7504.5/41

Out: 10.912+/-0.057 $\chi^2$/NDF:6508.4/45

All: 10.852+/-0.041 $\chi^2$/NDF: 14015.1/87

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.302+/-0.008 $\chi^2$/NDF: 647.4/18

Left Out: 0.473+/-0.003 $\chi^2$/NDF:515.0/24

Right Out: 0.245+/-0.008 $\chi^2$/NDF: 1144.7/20

Left In: 0.463+/-0.003 $\chi^2$/NDF:749.9/22

Left: 0.468+/-0.002 $\chi^2$/NDF: 1270.7/47

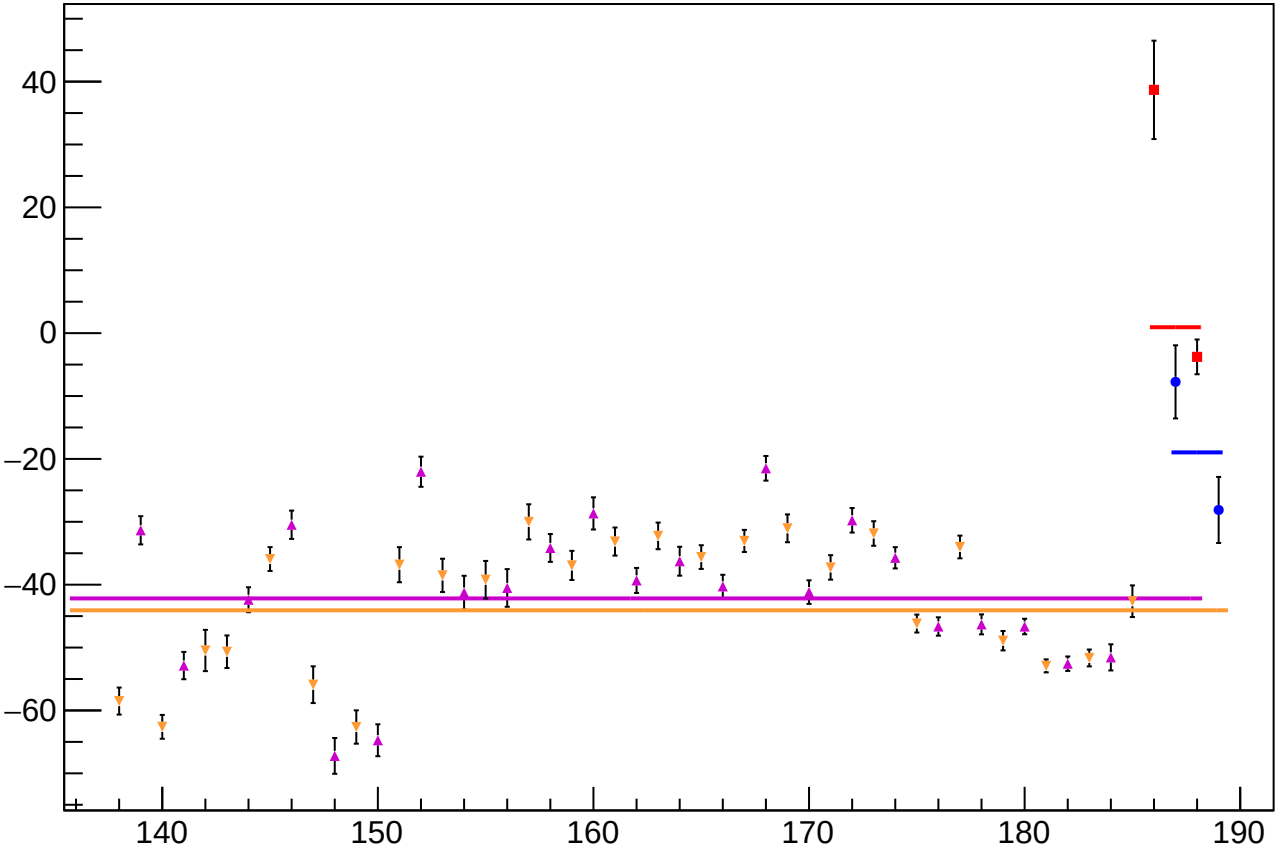
Right: 0.274+/-0.006 $\chi^2$/NDF: 1816.2/39

In: 0.446+/-0.003 $\chi^2$/NDF:1759.2/41

Out: 0.450+/-0.003 $\chi^2$/NDF:2349.3/45

All: 0.448+/-0.002 $\chi^2$/NDF: 4109.3/87

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -18.963+/-3.898 $\chi^2$/NDF: 6.8/1

Left Out: -44.074+/-0.389 $\chi^2$/NDF:632.8/24

Right Out: 0.945+/-2.607 $\chi^2$/NDF: 26.2/1

Left In: -42.185+/-0.398 $\chi^2$/NDF:651.0/22

Left: -43.149+/-0.278 $\chi^2$/NDF: 1295.4/47

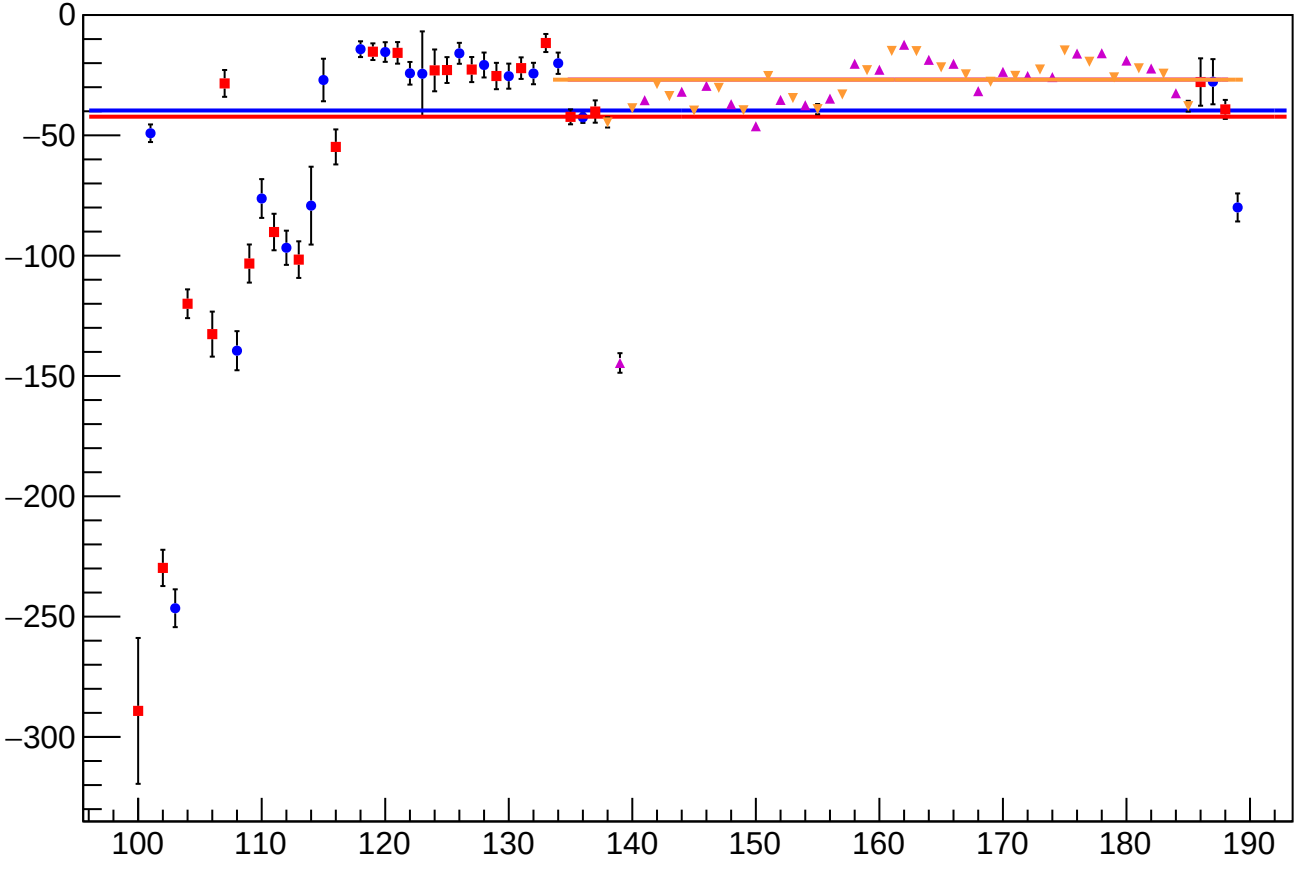
Right: -5.208+/-2.167 $\chi^2$/NDF: 51.0/3

In: -41.946+/-0.395 $\chi^2$/NDF:692.9/24

Out: -43.092+/-0.385 $\chi^2$/NDF:950.7/26

All: -42.535+/-0.276 $\chi^2$/NDF: 1647.9/51

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -39.670+/-1.108 $\chi^2$/NDF: 1183.6/18

Left Out: -26.867+/-0.317 $\chi^2$/NDF:629.1/24

Right Out: -42.253+/-1.149 $\chi^2$/NDF: 1344.5/20

Left In: -26.825+/-0.325 $\chi^2$/NDF:1481.6/22

Left: -26.847+/-0.227 $\chi^2$/NDF: 2110.7/47

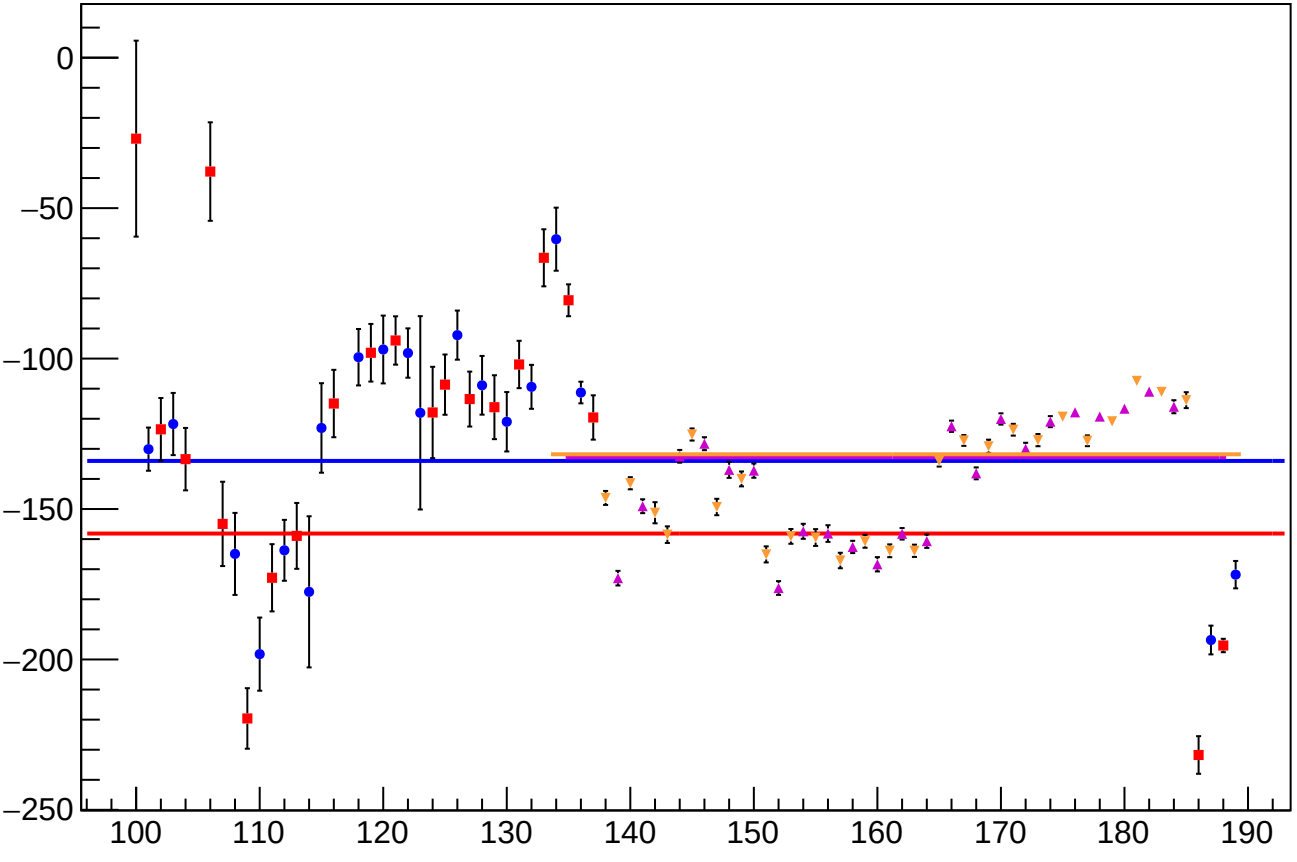
Right: -40.914+/-0.798 $\chi^2$/NDF: 2530.7/39

In: -27.845+/-0.312 $\chi^2$/NDF:2788.8/41

Out: -27.955+/-0.306 $\chi^2$/NDF:2140.1/45

All: -27.901+/-0.218 $\chi^2$/NDF: 4929.0/87

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -134.013+/-1.755 $\chi^2$/NDF: 450.0/18

Left Out: -131.805+/-0.392 $\chi^2$/NDF:2417.0/24

Right Out: -158.148+/-1.521 $\chi^2$/NDF: 1118.2/20

Left In: -132.799+/-0.398 $\chi^2$/NDF:2515.9/22

Left: -132.294+/-0.279 $\chi^2$/NDF: 4936.0/47

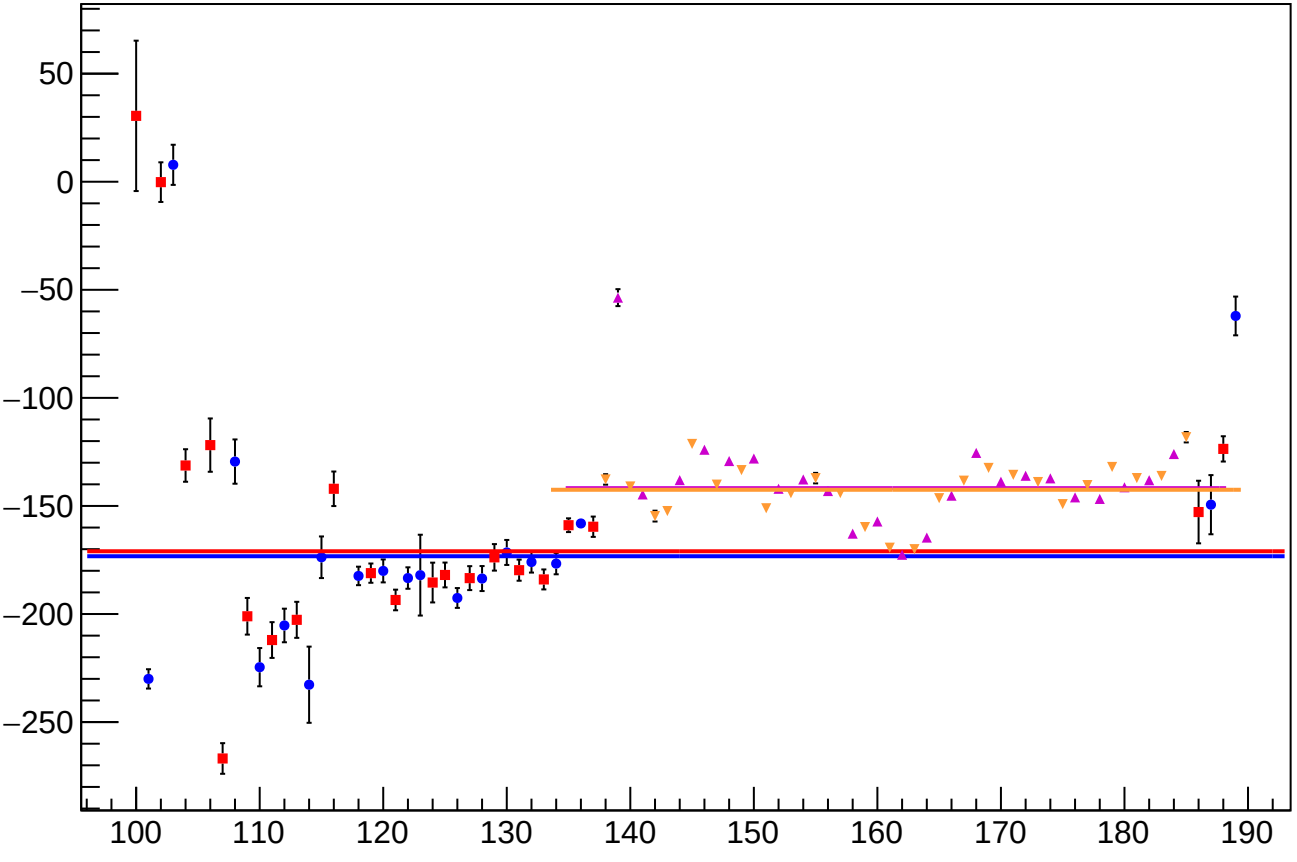
Right: -147.792+/-1.149 $\chi^2$/NDF: 1676.2/39

In: -132.858+/-0.388 $\chi^2$/NDF:2966.3/41

Out: -133.446+/-0.380 $\chi^2$/NDF:3816.4/45

All: -133.159+/-0.271 $\chi^2$/NDF: 6783.9/87

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -173.268+/-1.250 $\chi^2$/NDF: 853.5/18

Left Out: -142.517+/-0.355 $\chi^2$/NDF:1144.2/24

Right Out: -170.965+/-1.315 $\chi^2$/NDF: 808.7/20

Left In: -141.769+/-0.363 $\chi^2$/NDF:1604.4/22

Left: -142.151+/-0.254 $\chi^2$/NDF: 2750.7/47

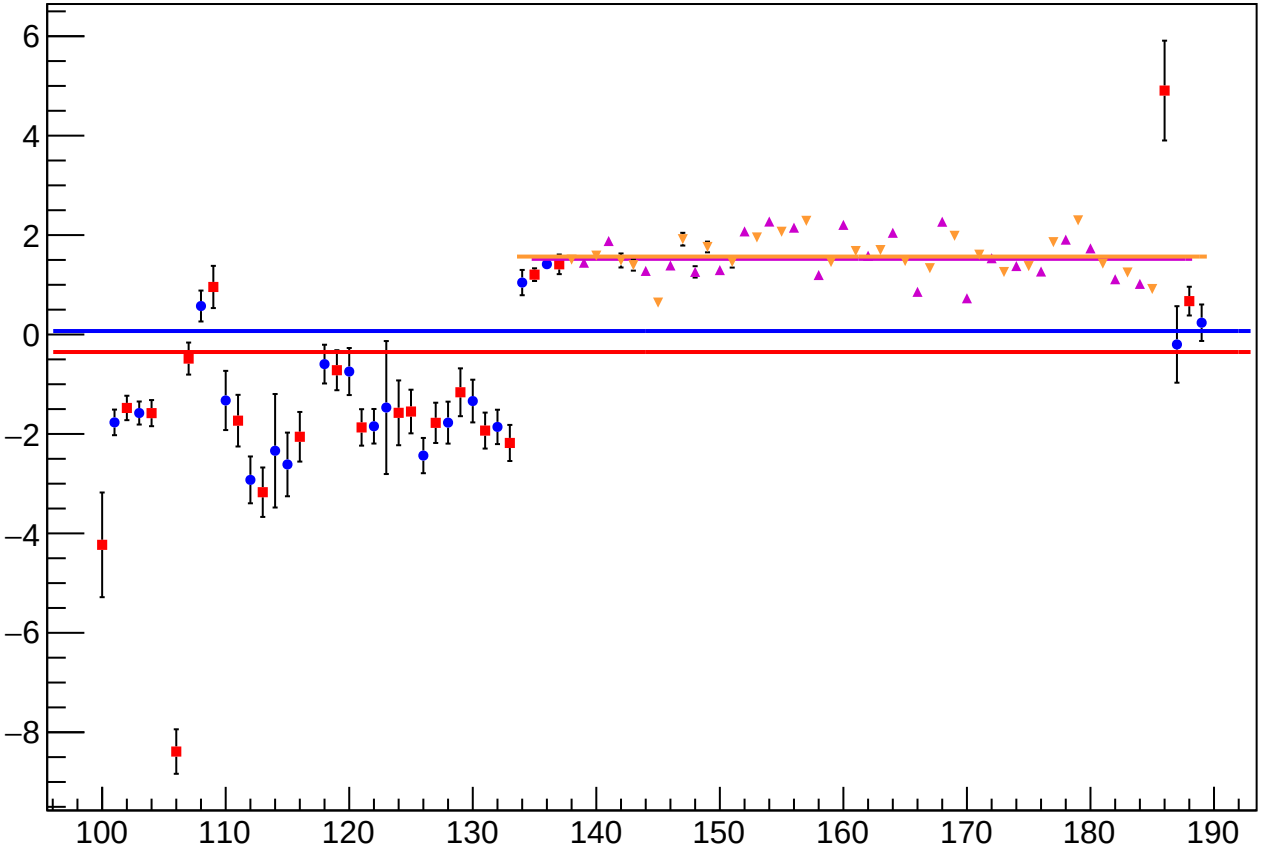
Right: -172.175+/-0.906 $\chi^2$/NDF: 1663.8/39

In: -144.215+/-0.348 $\chi^2$/NDF:3043.6/41

Out: -144.446+/-0.342 $\chi^2$/NDF:2388.9/45

All: -144.332+/-0.244 $\chi^2$/NDF: 5432.8/87

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.070+/-0.066 $\chi^2$/NDF: 526.5/18

Left Out: 1.568+/-0.016 $\chi^2$/NDF:541.0/24

Right Out: -0.352+/-0.069 $\chi^2$/NDF: 796.4/20

Left In: 1.522+/-0.016 $\chi^2$/NDF:739.1/22

Left: 1.545+/-0.012 $\chi^2$/NDF: 1284.1/47

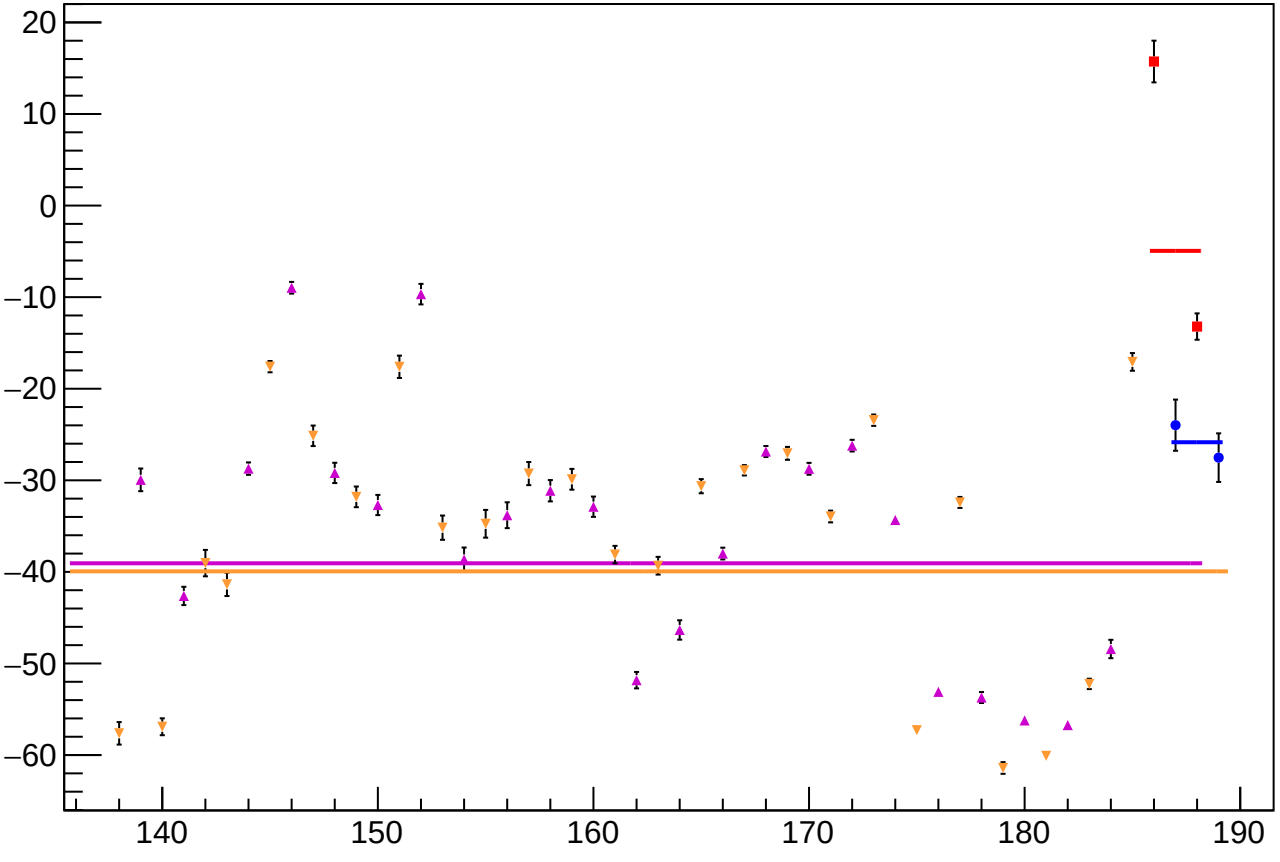
Right: -0.131+/-0.048 $\chi^2$/NDF: 1342.6/39

In: 1.436+/-0.016 $\chi^2$/NDF:1725.8/41

Out: 1.467+/-0.016 $\chi^2$/NDF:2073.3/45

All: 1.452+/-0.011 $\chi^2$/NDF: 3801.0/87

# reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -25.843+/-1.924 $\chi^2$/NDF: 0.8/1

Left Out: -39.942+/-0.153 $\chi^2$/NDF:9806.2/24

Right Out: -4.946+/-1.217 $\chi^2$/NDF: 115.4/1

Left In: -39.060+/-0.154 $\chi^2$/NDF:8577.0/22

Left: -39.503+/-0.109 $\chi^2$/NDF: 18399.6/47

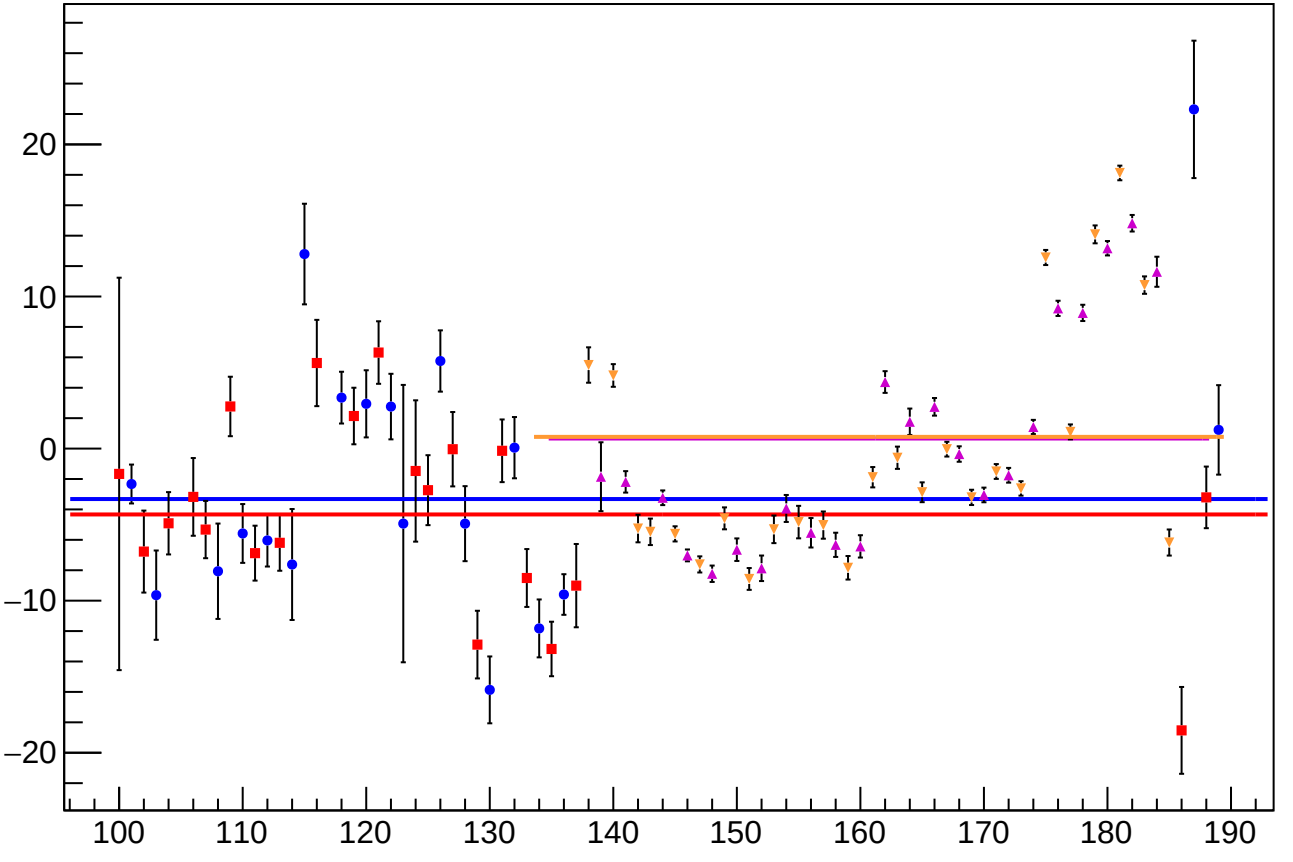
Right: -10.917+/-1.028 $\chi^2$/NDF: 200.5/3

In: -38.976+/-0.153 $\chi^2$/NDF:8624.7/24

Out: -39.395+/-0.152 $\chi^2$/NDF:10735.6/26

All: -39.187+/-0.108 $\chi^2$/NDF: 19364.1/51

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -3.318+/-0.485 $\chi^2$/NDF: 200.6/18

Left Out: 0.770+/-0.124 $\chi^2$/NDF:3952.9/24

Right Out: -4.331+/-0.485 $\chi^2$/NDF: 148.9/20

Left In: 0.662+/-0.124 $\chi^2$/NDF:3340.9/22

Left: 0.716+/-0.088 $\chi^2$/NDF: 7294.2/47

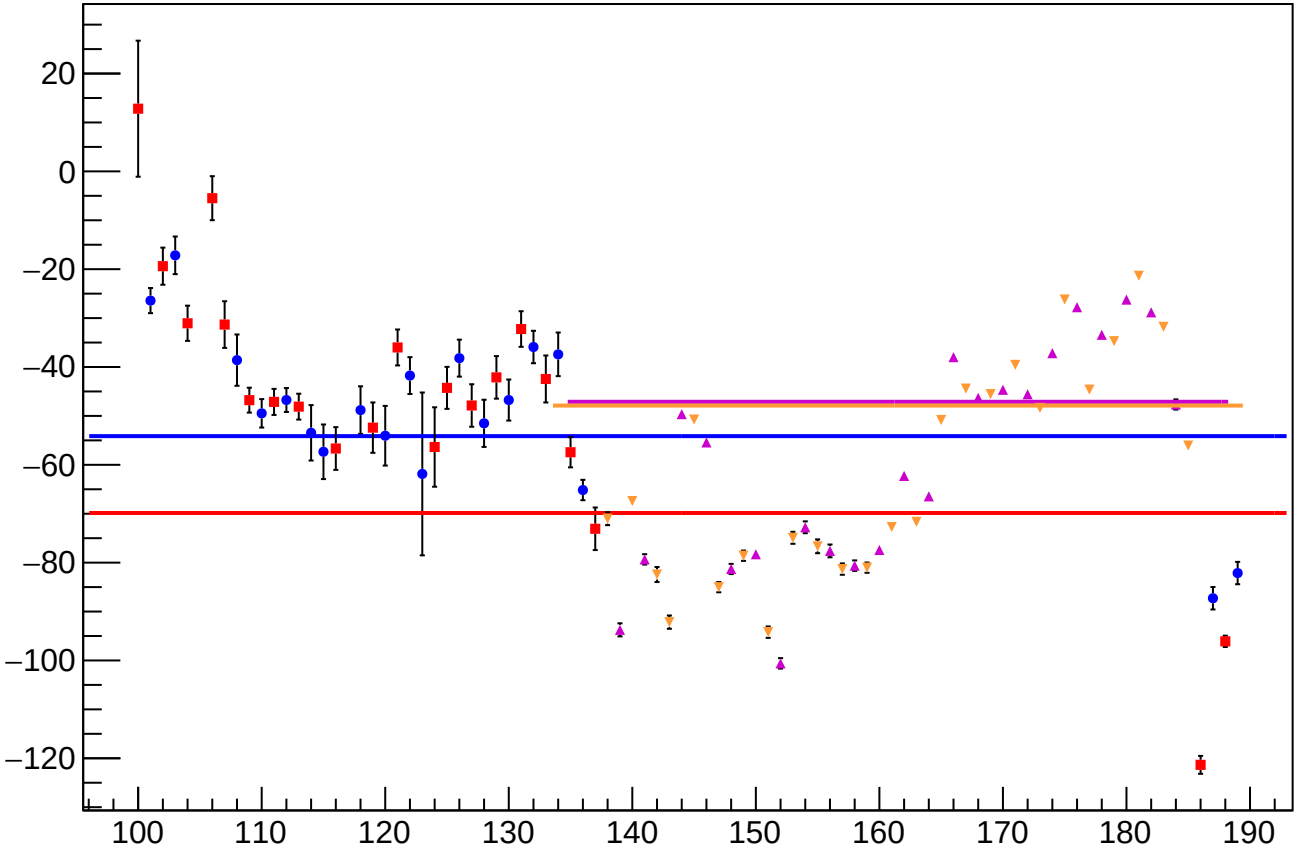
Right: -3.825+/-0.343 $\chi^2$/NDF: 351.7/39

In: 0.418+/-0.120 $\chi^2$/NDF:3604.7/41

Out: 0.455+/-0.120 $\chi^2$/NDF:4205.8/45

All: 0.437+/-0.085 $\chi^2$/NDF: 7810.5/87

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -54.133+/-0.774 $\chi^2$/NDF: 693.3/18

Left Out: -47.888+/-0.155 $\chi^2$/NDF:16707.2/24

Right Out: -69.847+/-0.653 $\chi^2$/NDF: 2491.4/20

Left In: -47.112+/-0.155 $\chi^2$/NDF:15654.8/22

Left: -47.500+/-0.109 $\chi^2$/NDF: 32374.6/47

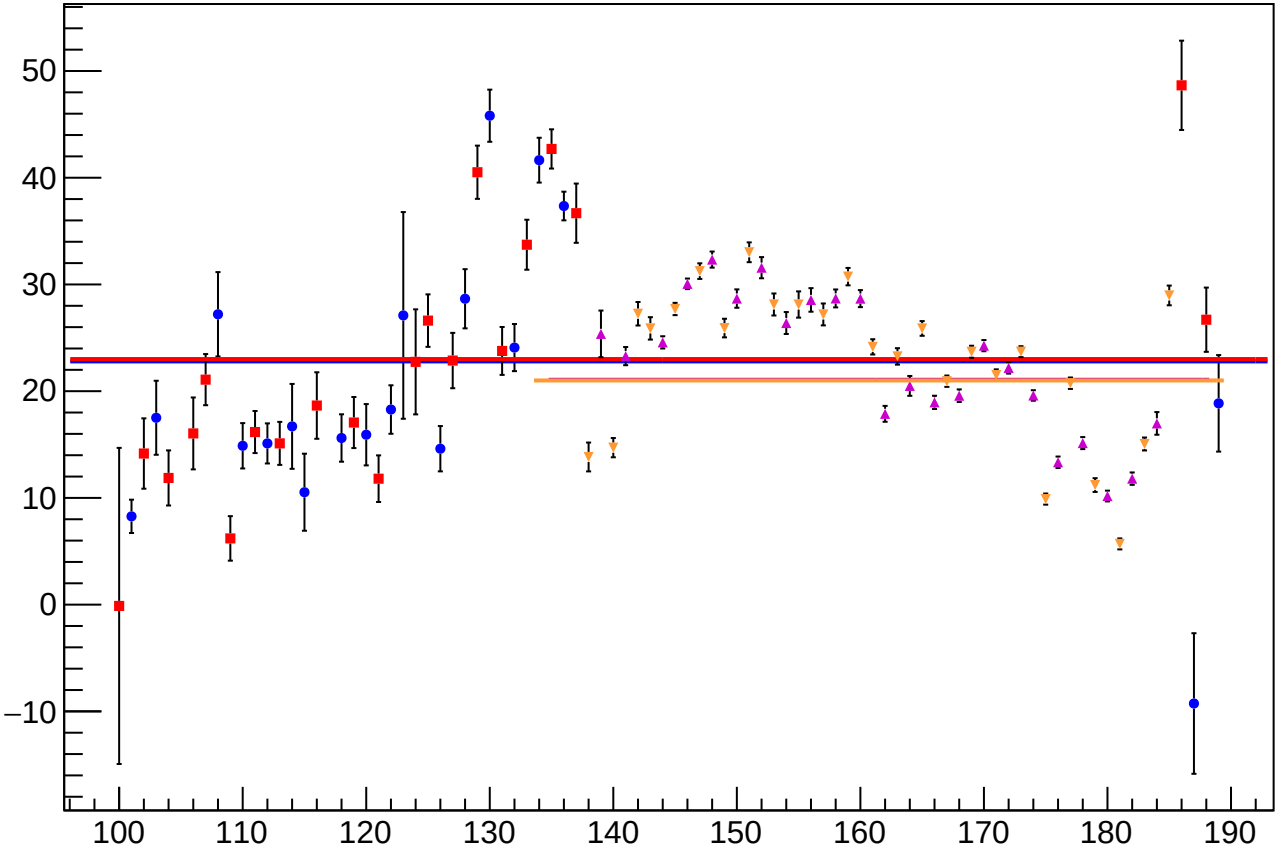
Right: -63.306+/-0.499 $\chi^2$/NDF: 3425.4/39

In: -47.382+/-0.152 $\chi^2$/NDF:16427.2/41

Out: -49.055+/-0.151 $\chi^2$/NDF:20267.8/45

All: -48.225+/-0.107 $\chi^2$/NDF: 36756.2/87

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 22.791+/-0.550 $\chi^2$/NDF: 485.8/18

Left Out: 21.005+/-0.139 $\chi^2$/NDF:2789.5/24

Right Out: 23.011+/-0.557 $\chi^2$/NDF: 410.5/20

Left In: 21.069+/-0.139 $\chi^2$/NDF:2176.7/22

Left: 21.037+/-0.098 $\chi^2$/NDF: 4966.4/47

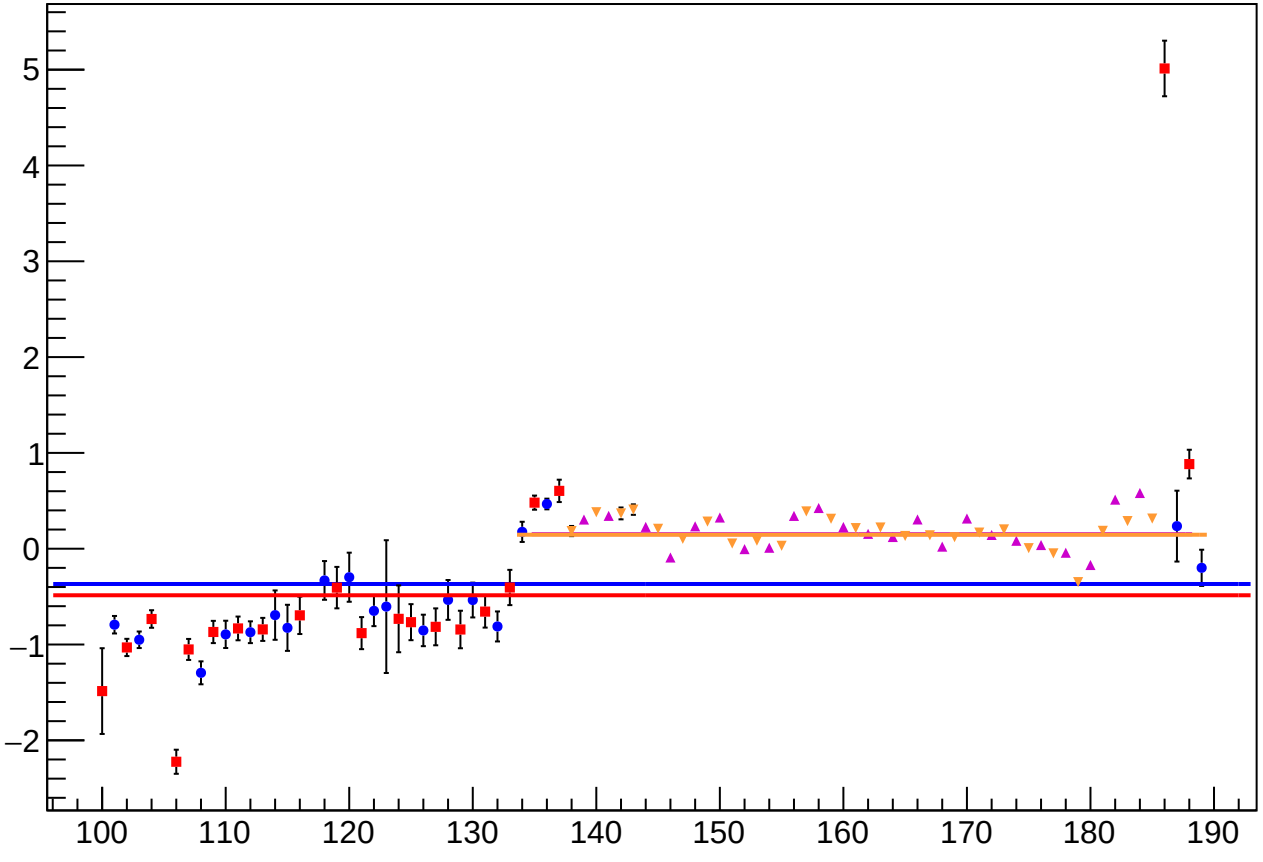
Right: 22.900+/-0.391 $\chi^2$/NDF: 896.4/39

In: 21.173+/-0.135 $\chi^2$/NDF:2671.8/41

Out: 21.122+/-0.135 $\chi^2$/NDF:3212.2/45

All: 21.147+/-0.095 $\chi^2$/NDF: 5884.1/87

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.368+/-0.030 $\chi^2$/NDF: 440.7/18

Left Out: 0.146+/-0.006 $\chi^2$/NDF:609.8/24

Right Out: -0.486+/-0.029 $\chi^2$/NDF: 1013.1/20

Left In: 0.151+/-0.006 $\chi^2$/NDF:873.9/22

Left: 0.149+/-0.004 $\chi^2$/NDF: 1484.1/47

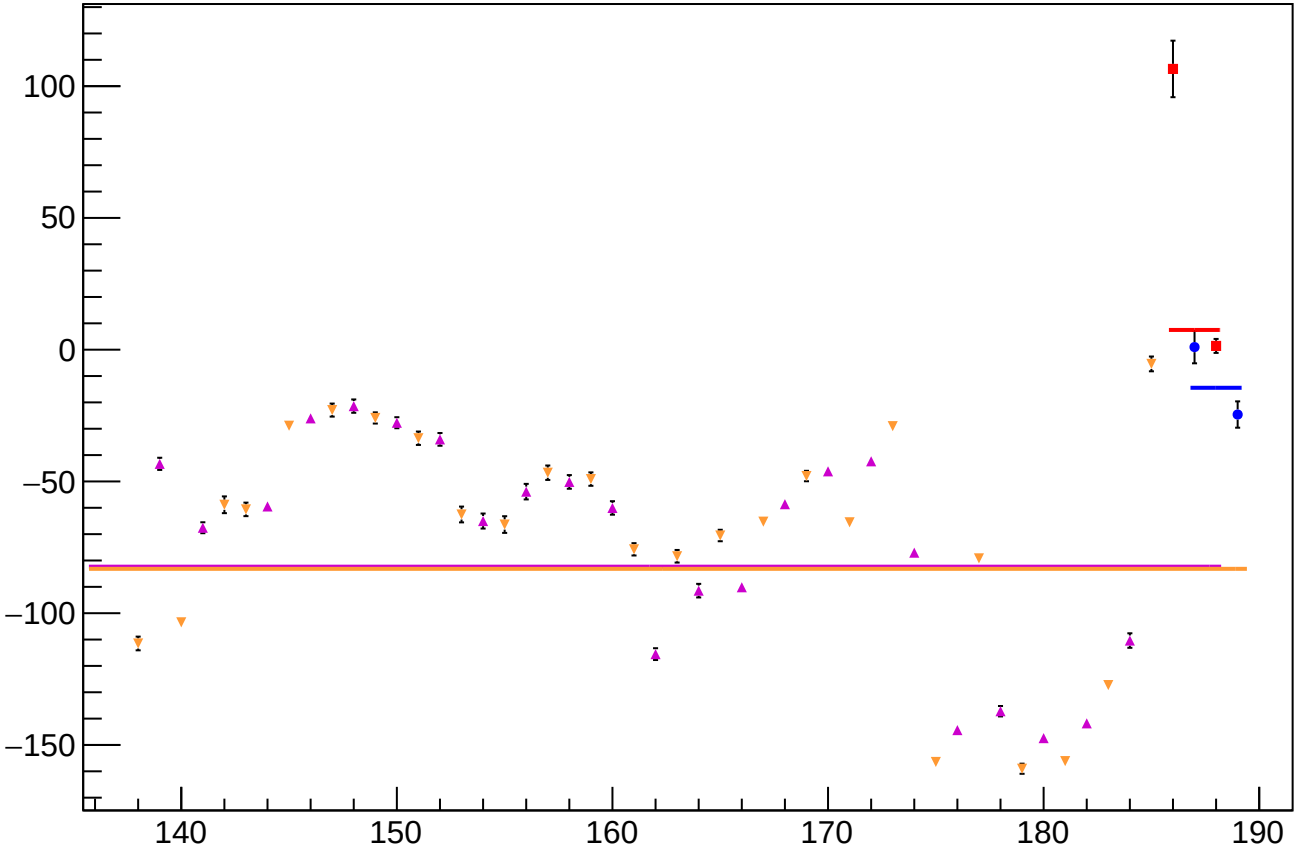
Right: -0.428+/-0.021 $\chi^2$/NDF: 1461.8/39

In: 0.128+/-0.006 $\chi^2$/NDF:1609.3/41

Out: 0.118+/-0.006 $\chi^2$/NDF:2063.7/45

All: 0.123+/-0.004 $\chi^2$/NDF: 3674.3/87

# reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -14.457+/-3.881 $\chi^2$/NDF: 10.4/1

Left Out: -83.163+/-0.407 $\chi^2$/NDF:13794.3/24

Right Out: 7.488+/-2.575 $\chi^2$/NDF: 90.5/1

Left In: -82.342+/-0.413 $\chi^2$/NDF:10954.9/22

Left: -82.758+/-0.290 $\chi^2$/NDF: 24751.3/47

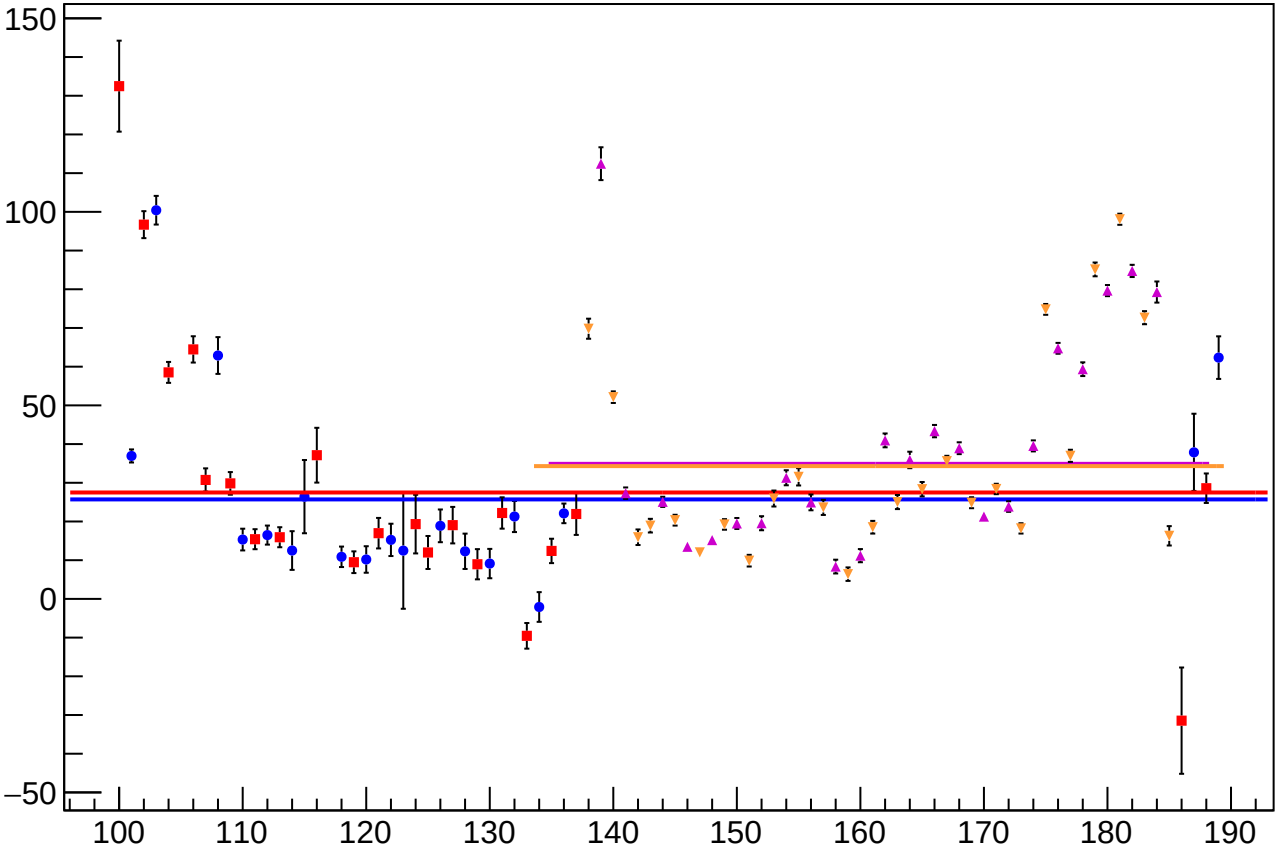
Right: 0.780+/-2.146 $\chi^2$/NDF: 123.1/3

In: -81.582+/-0.411 $\chi^2$/NDF:11267.9/24

Out: -80.953+/-0.402 $\chi^2$/NDF:15093.7/26

All: -81.261+/-0.287 $\chi^2$/NDF: 26362.7/51

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 25.702+/-0.790 $\chi^2$/NDF: 737.8/18

Left Out: 34.306+/-0.321 $\chi^2$/NDF:6163.7/24

Right Out: 27.492+/-0.791 $\chi^2$/NDF: 1027.7/20

Left In: 34.893+/-0.328 $\chi^2$/NDF:4754.6/22

Left: 34.593+/-0.229 $\chi^2$/NDF: 10919.9/47

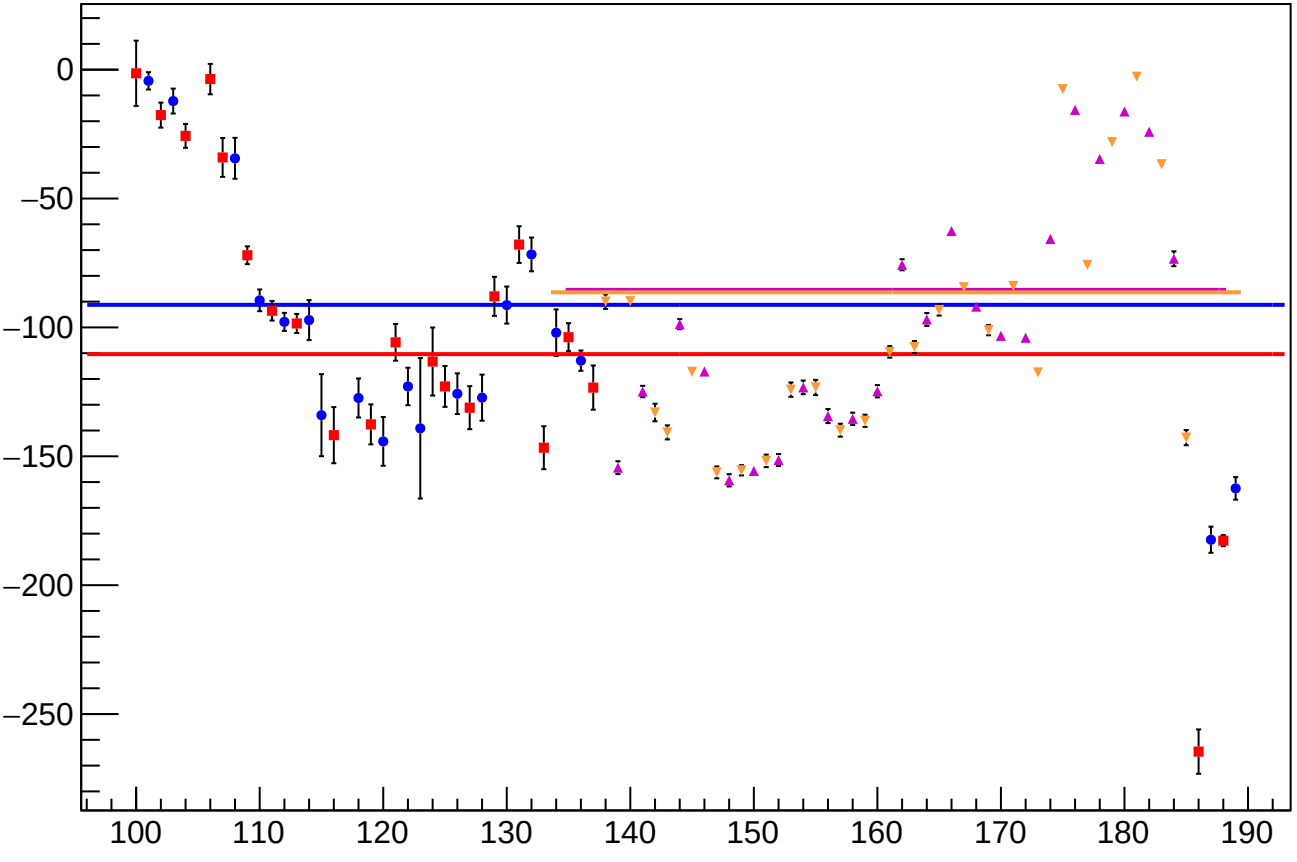
Right: 26.596+/-0.559 $\chi^2$/NDF: 1768.1/39

In: 33.540+/-0.303 $\chi^2$/NDF:5607.8/41

Out: 33.343+/-0.297 $\chi^2$/NDF:7255.1/45

All: 33.440+/-0.212 $\chi^2$/NDF: 12863.1/87

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -91.237+/-1.299 $\chi^2$/NDF: 1736.4/18

Left Out: -86.377+/-0.409 $\chi^2$/NDF:14435.1/24

Right Out: -110.359+/-1.134 $\chi^2$/NDF: 2912.2/20

Left In: -85.441+/-0.413 $\chi^2$/NDF:12998.9/22

Left: -85.914+/-0.291 $\chi^2$/NDF: 27436.5/47

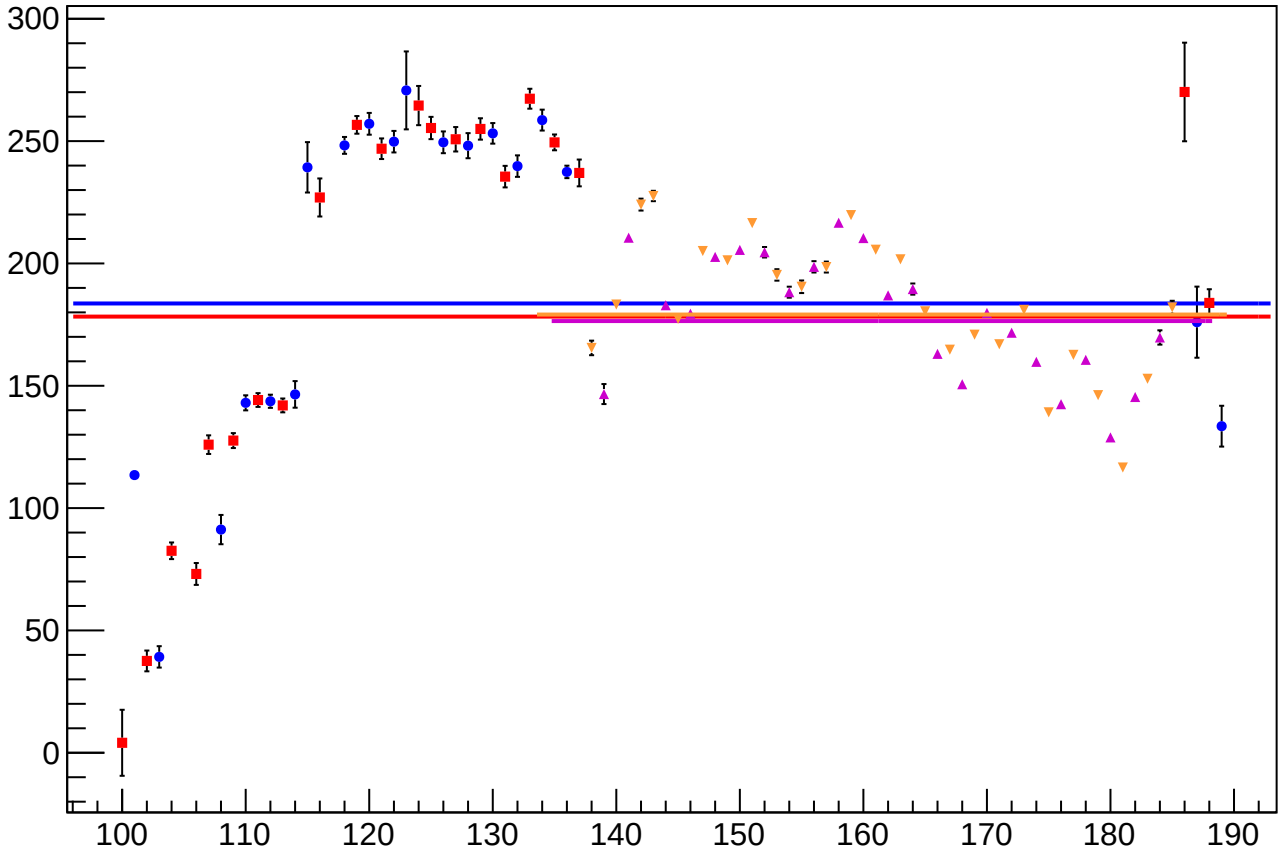
Right: -102.090+/-0.854 $\chi^2$/NDF: 4771.6/39

In: -85.973+/-0.394 $\chi^2$/NDF:14753.3/41

Out: -89.139+/-0.385 $\chi^2$/NDF:17743.1/45

All: -87.592+/-0.275 $\chi^2$/NDF: 32529.5/87

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 183.640+/-0.906 $\chi^2$/NDF: 5437.9/18

Left Out: 179.109+/-0.363 $\chi^2$/NDF:5877.5/24

Right Out: 178.276+/-0.911 $\chi^2$/NDF: 6352.8/20

Left In: 176.449+/-0.370 $\chi^2$/NDF:4442.1/22

Left: 177.804+/-0.259 $\chi^2$/NDF: 10345.9/47

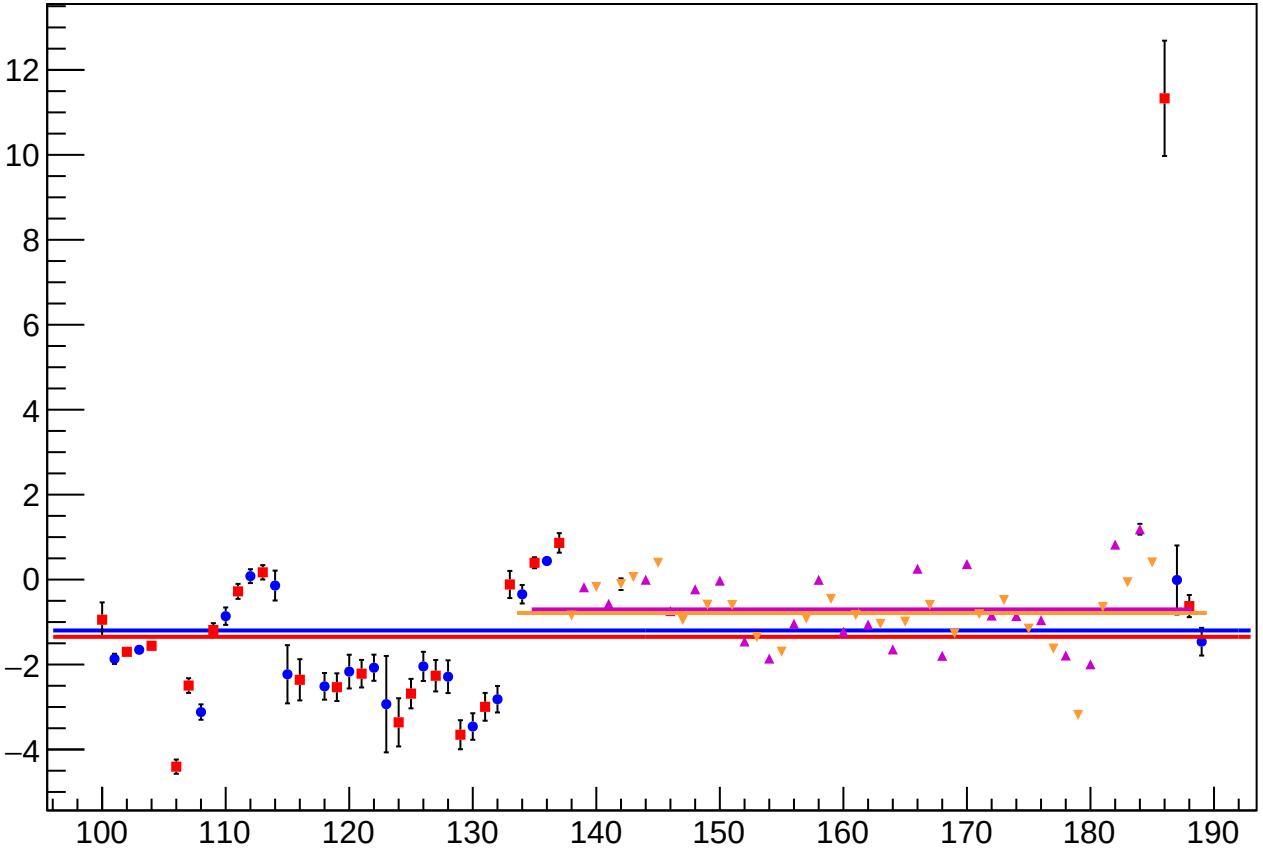
Right: 180.970+/-0.642 $\chi^2$/NDF: 11808.1/39

In: 177.474+/-0.342 $\chi^2$/NDF:9933.9/41

Out: 178.995+/-0.337 $\chi^2$/NDF:12231.0/45

All: 178.247+/-0.240 $\chi^2$/NDF: 22175.0/87

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -1.198+/-0.047 $\chi^2$/NDF: 625.9/18

Left Out: -0.787+/-0.017 $\chi^2$/NDF:1760.7/24

Right Out: -1.348+/-0.045 $\chi^2$/NDF: 1020.0/20

Left In: -0.702+/-0.017 $\chi^2$/NDF:2421.3/22

Left: -0.745+/-0.012 $\chi^2$/NDF: 4194.8/47

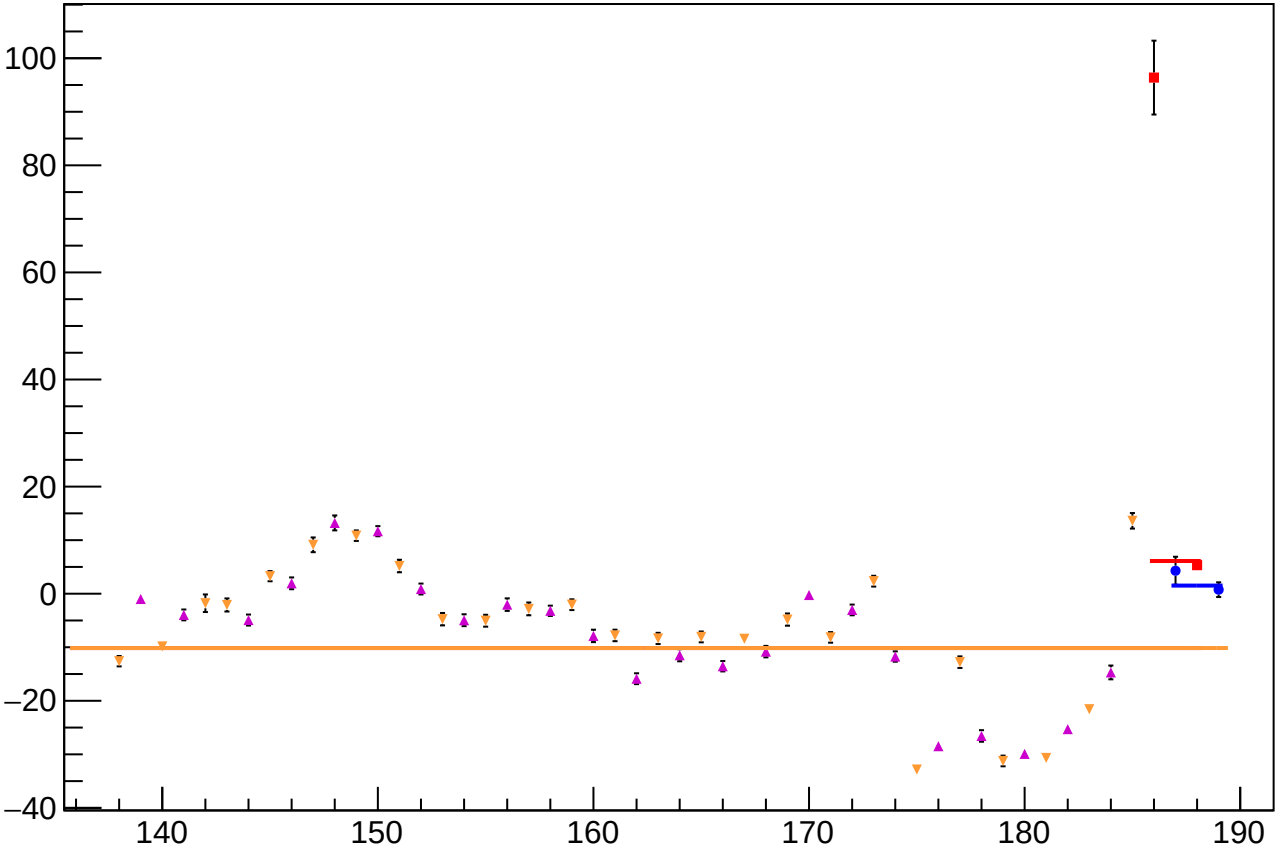
Right: -1.277+/-0.033 $\chi^2$/NDF: 1651.1/39

In: -0.757+/-0.016 $\chi^2$/NDF:3144.0/41

Out: -0.854+/-0.016 $\chi^2$/NDF:2917.3/45

All: -0.806+/-0.011 $\chi^2$/NDF: 6080.1/87

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 1.515+/-1.216 $\chi^2$/NDF: 1.4/1

Left Out: -10.147+/-0.202 $\chi^2$/NDF:4128.5/24

Right Out: 6.104+/-0.637 $\chi^2$/NDF: 172.8/1

Left In: -10.149+/-0.204 $\chi^2$/NDF:3491.7/22

Left: -10.148+/-0.143 $\chi^2$/NDF: 7620.2/47

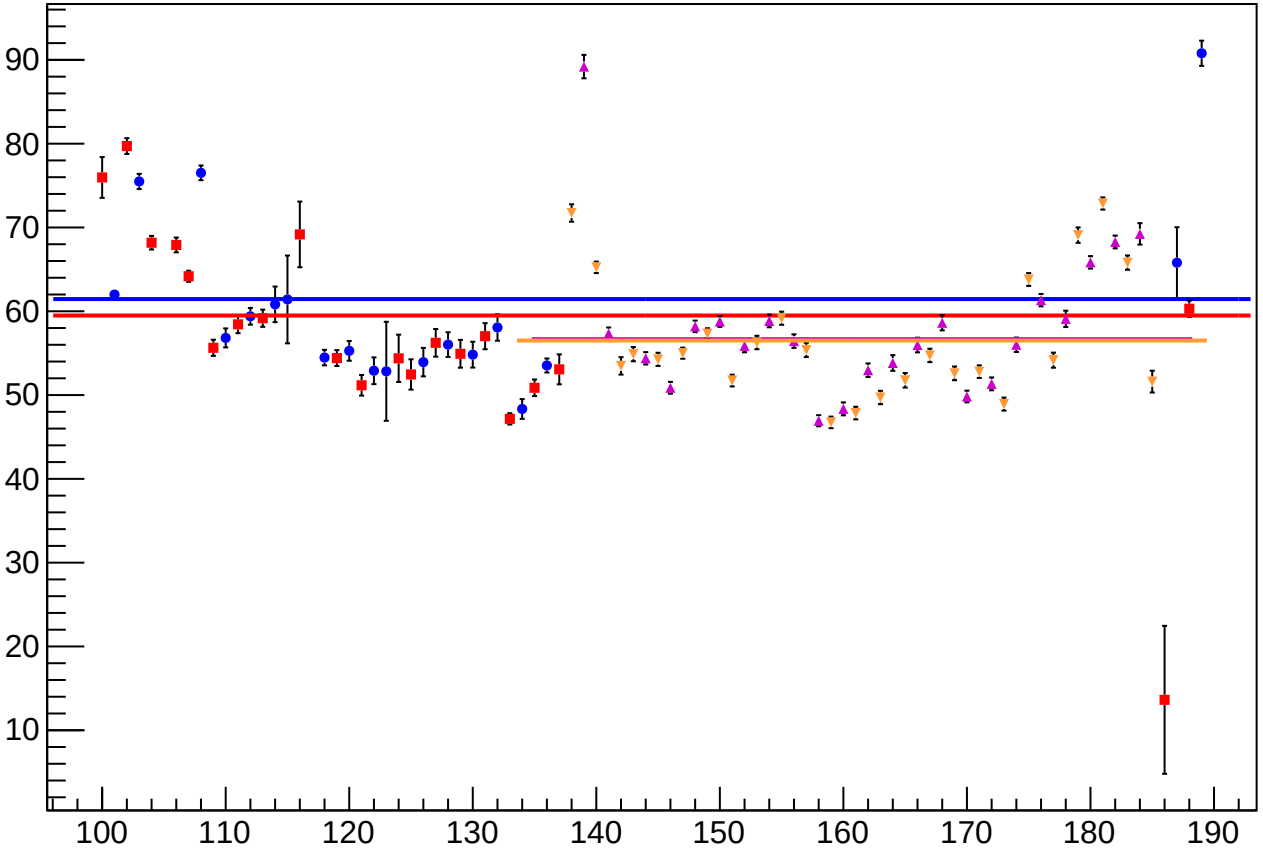
Right: 5.116+/-0.564 $\chi^2$/NDF: 185.4/3

In: -9.830+/-0.201 $\chi^2$/NDF:3582.7/24

Out: -8.665+/-0.192 $\chi^2$/NDF:4892.7/26

All: -9.222+/-0.139 $\chi^2$/NDF: 8492.9/51

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 61.457+/-0.257 $\chi^2$/NDF: 1324.0/18

Left Out: 56.508+/-0.159 $\chi^2$/NDF:1962.3/24

Right Out: 59.494+/-0.240 $\chi^2$/NDF: 1344.7/20

Left In: 56.674+/-0.165 $\chi^2$/NDF:1679.8/22

Left: 56.588+/-0.114 $\chi^2$/NDF: 3642.7/47

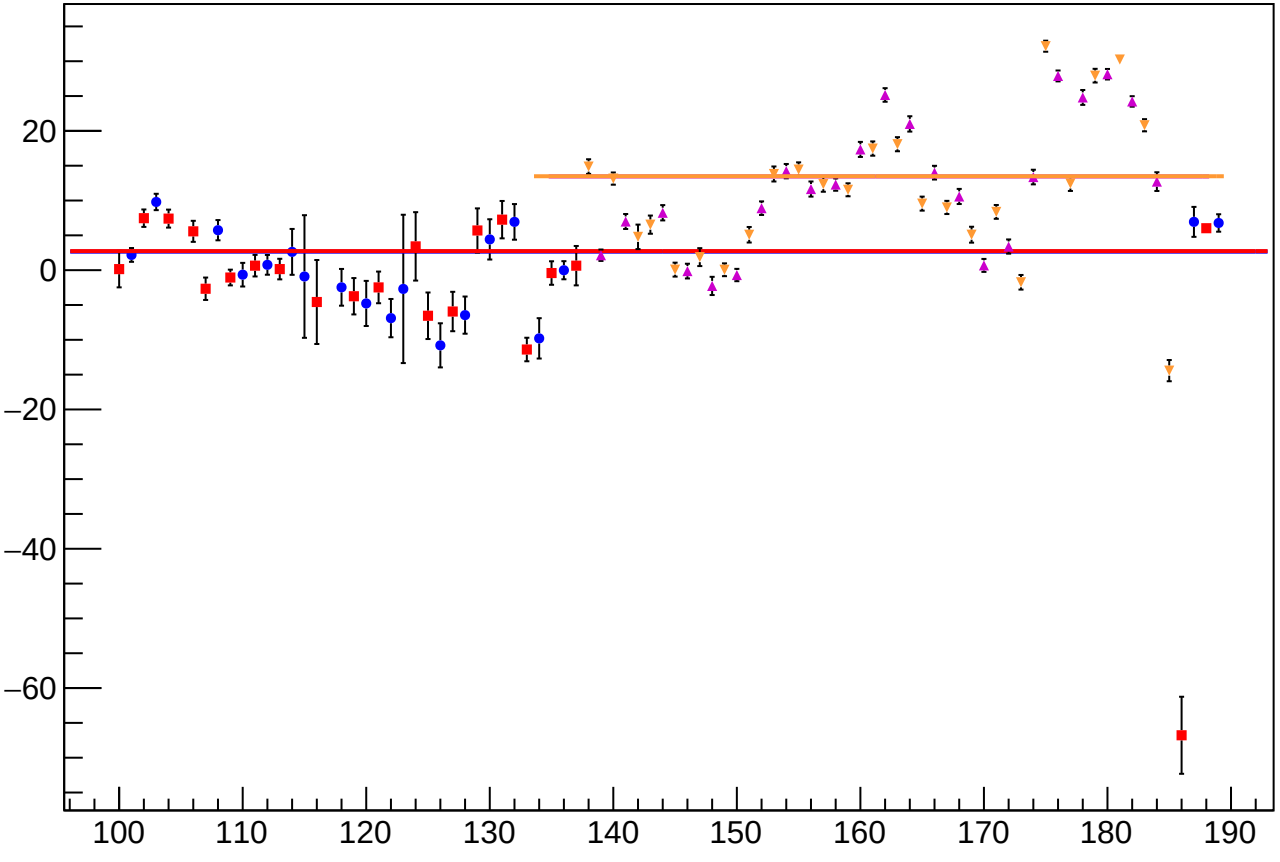
Right: 60.408+/-0.176 $\chi^2$/NDF: 2699.8/39

In: 58.065+/-0.139 $\chi^2$/NDF:3249.1/41

Out: 57.420+/-0.133 $\chi^2$/NDF:3414.4/45

All: 57.728+/-0.096 $\chi^2$/NDF: 6674.7/87

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 2.658+/-0.422 $\chi^2$/NDF: 139.0/18

Left Out: 13.485+/-0.202 $\chi^2$/NDF:2731.0/24

Right Out: 2.739+/-0.328 $\chi^2$/NDF: 364.9/20

Left In: 13.456+/-0.203 $\chi^2$/NDF:2371.9/22

Left: 13.471+/-0.143 $\chi^2$/NDF: 5102.9/47

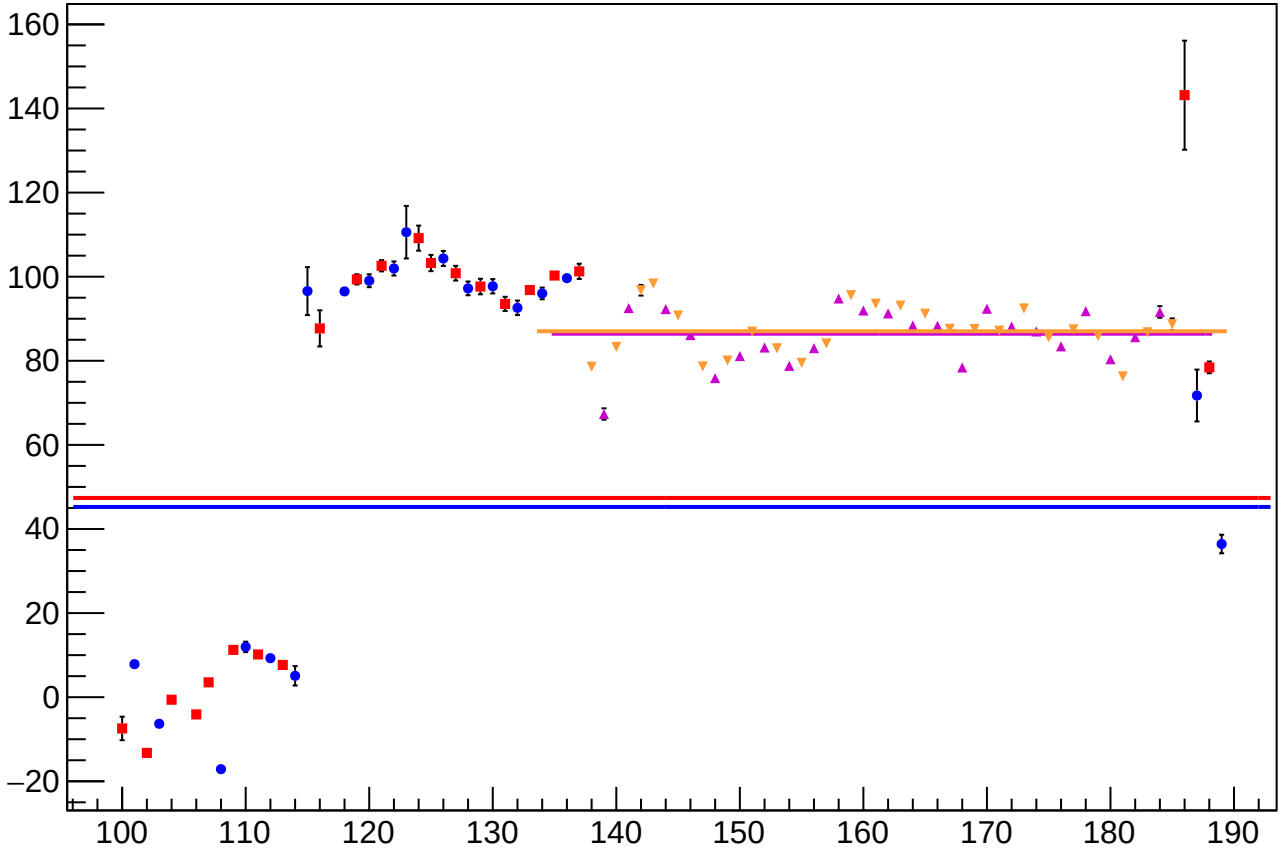
Right: 2.709+/-0.259 $\chi^2$/NDF: 504.0/39

In: 11.423+/-0.183 $\chi^2$/NDF:3043.4/41

Out: 10.534+/-0.172 $\chi^2$/NDF:3874.1/45

All: 10.951+/-0.125 $\chi^2$/NDF: 6930.0/87

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 45.241+/-0.300 $\chi^2$/NDF: 25105.5/18

Left Out: 87.023+/-0.179 $\chi^2$/NDF:1057.2/24

Right Out: 47.385+/-0.283 $\chi^2$/NDF: 28790.2/20

Left In: 86.443+/-0.184 $\chi^2$/NDF:1038.6/22

Left: 86.740+/-0.128 $\chi^2$/NDF: 2100.8/47

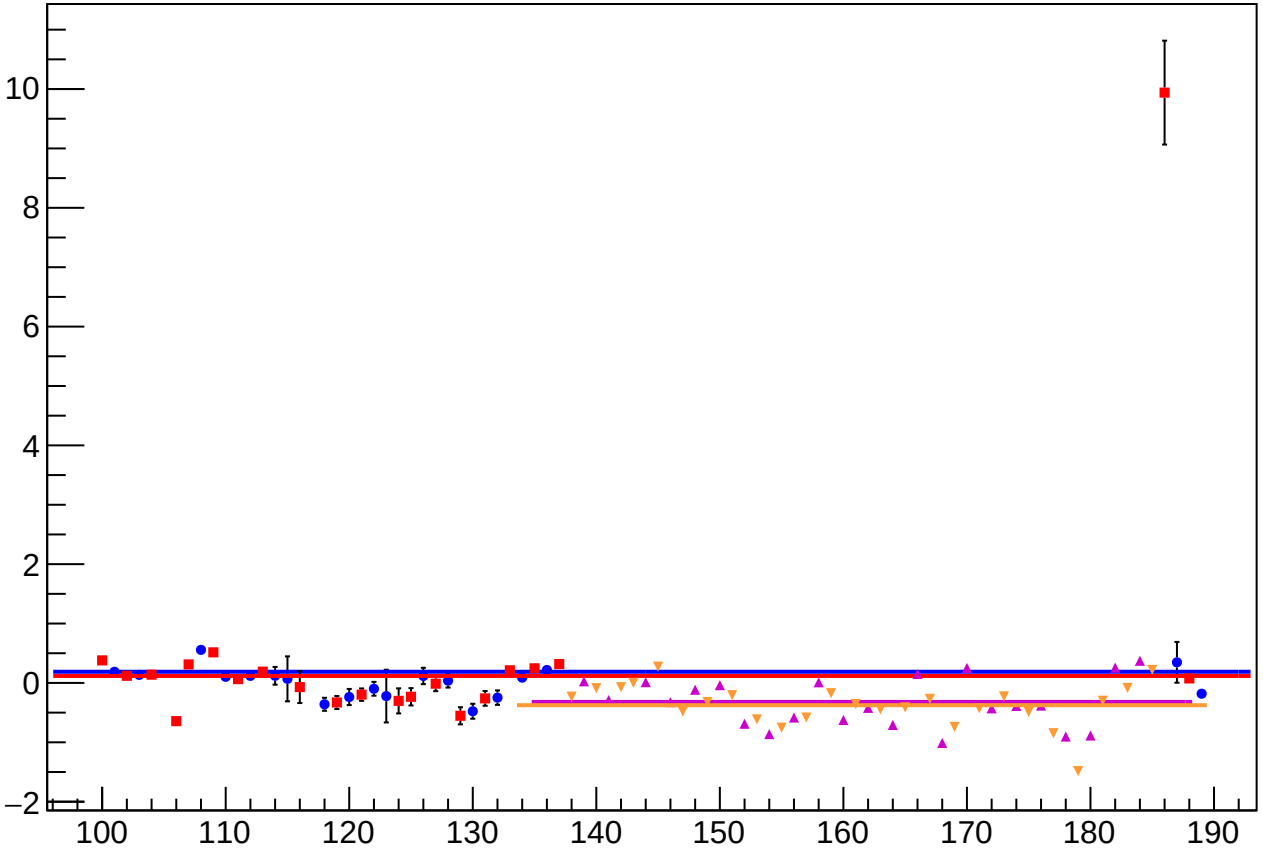
Right: 46.375+/-0.206 $\chi^2$/NDF: 53922.7/39

In: 75.185+/-0.157 $\chi^2$/NDF:39846.3/41

Out: 75.675+/-0.152 $\chi^2$/NDF:43810.2/45

All: 75.438+/-0.109 $\chi^2$/NDF: 83661.6/87

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.188+/-0.014 $\chi^2$/NDF: 243.5/18

Left Out: -0.375+/-0.008 $\chi^2$/NDF:1657.5/24

Right Out: 0.117+/-0.013 $\chi^2$/NDF: 626.7/20

Left In: -0.320+/-0.008 $\chi^2$/NDF:2325.0/22

Left: -0.348+/-0.006 $\chi^2$/NDF: 4005.2/47

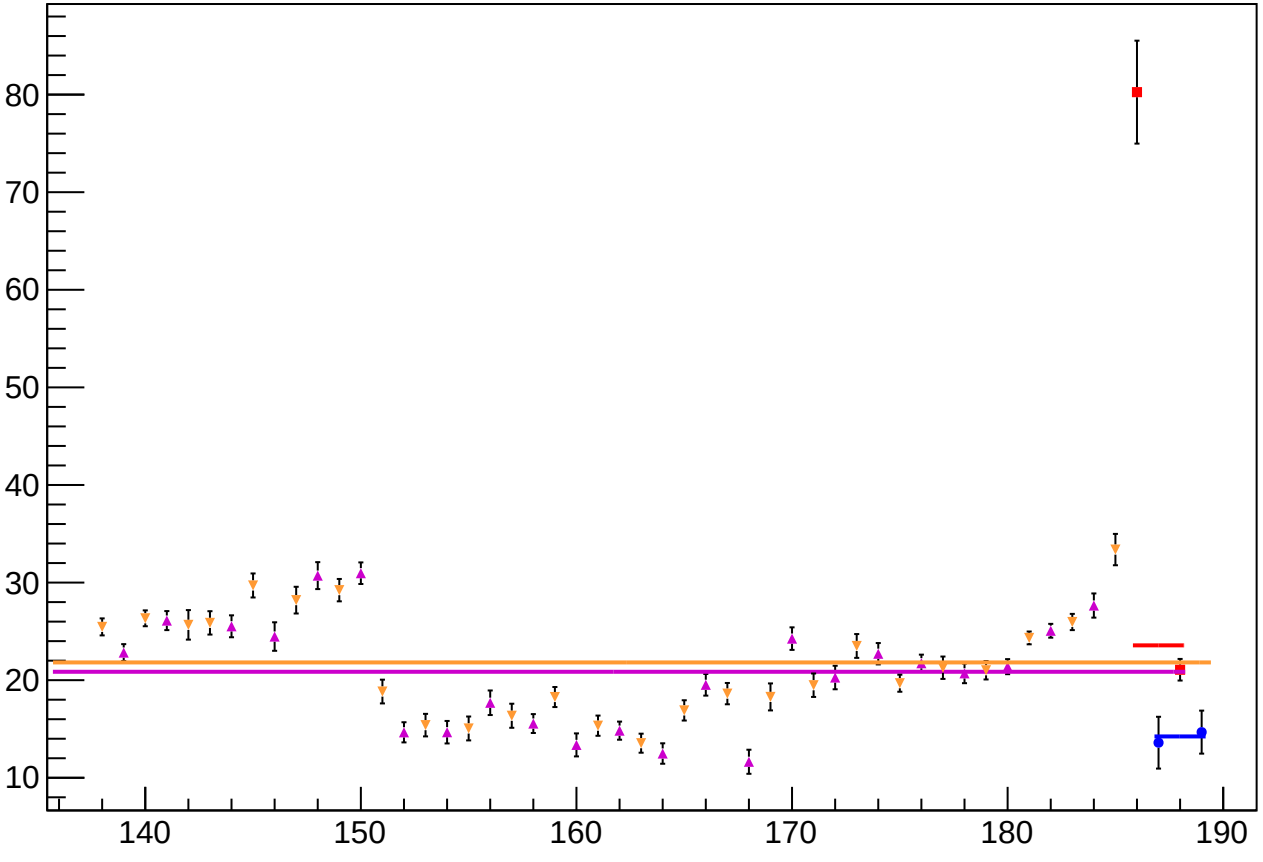
Right: 0.150+/-0.009 $\chi^2$/NDF: 884.4/39

In: -0.188+/-0.007 $\chi^2$/NDF:3576.1/41

Out: -0.232+/-0.007 $\chi^2$/NDF:3347.2/45

All: -0.211+/-0.005 $\chi^2$/NDF: 6943.0/87

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 14.236+/-1.695 $\chi^2$/NDF: 0.1/1

Left Out: 21.818+/-0.210 $\chi^2$/NDF:522.7/24

Right Out: 23.568+/-1.083 $\chi^2$/NDF: 120.6/1

Left In: 20.860+/-0.216 $\chi^2$/NDF:575.5/22

Left: 21.351+/-0.151 $\chi^2$/NDF: 1108.3/47

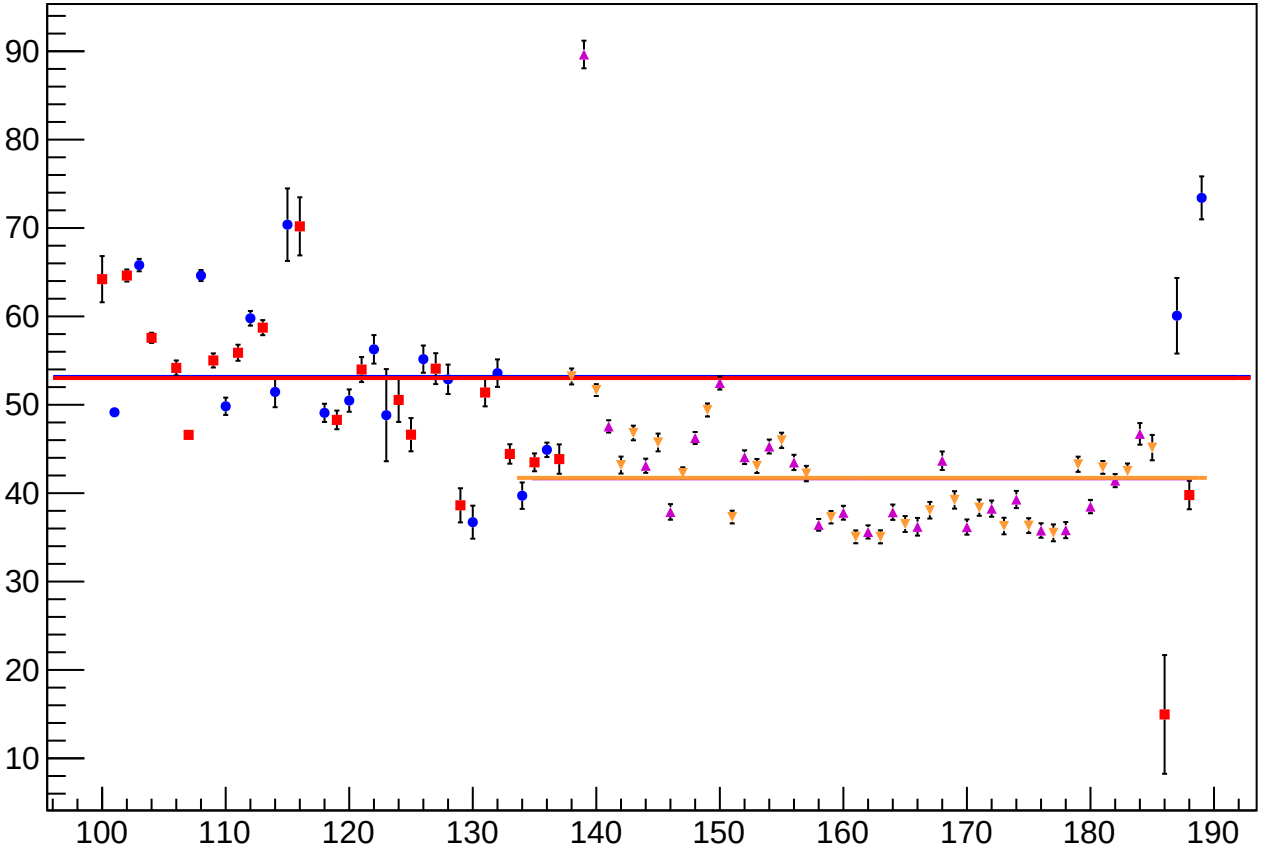
Right: 20.862+/-0.913 $\chi^2$/NDF: 142.2/3

In: 20.755+/-0.214 $\chi^2$/NDF:590.7/24

Out: 21.882+/-0.206 $\chi^2$/NDF:645.8/26

All: 21.338+/-0.149 $\chi^2$/NDF: 1250.9/51

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 53.149+/-0.209 $\chi^2$/NDF: 1270.4/18

Left Out: 41.732+/-0.166 $\chi^2$/NDF:1014.0/24

Right Out: 53.021+/-0.224 $\chi^2$/NDF: 974.4/20

Left In: 41.682+/-0.173 $\chi^2$/NDF:1715.9/22

Left: 41.709+/-0.120 $\chi^2$/NDF: 2729.9/47

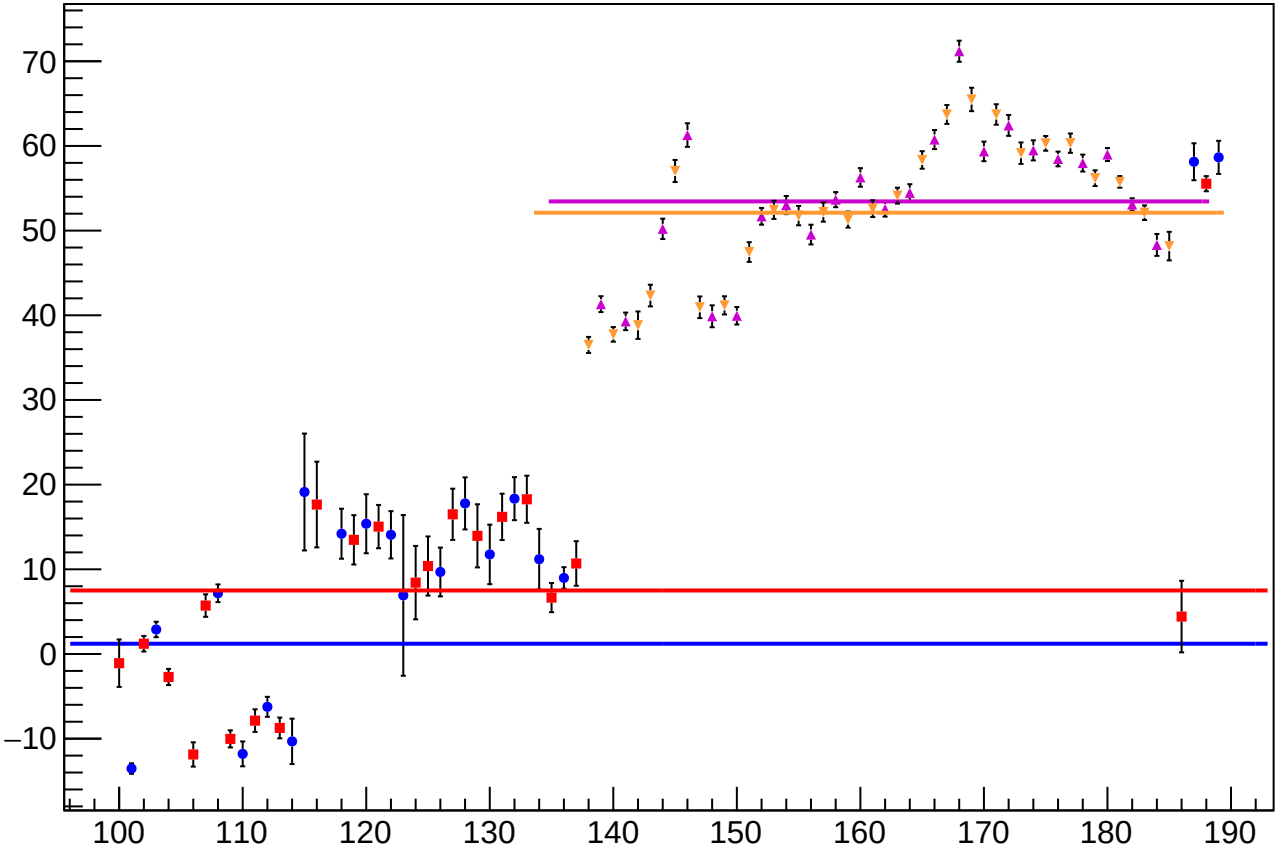
Right: 53.090+/-0.153 $\chi^2$/NDF: 2245.0/39

In: 46.354+/-0.133 $\chi^2$/NDF:4767.8/41

Out: 45.722+/-0.133 $\chi^2$/NDF:3625.6/45

All: 46.038+/-0.094 $\chi^2$/NDF: 8404.6/87

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 1.210+/-0.353 $\chi^2$/NDF: 2480.6/18

Left Out: 52.116+/-0.210 $\chi^2$/NDF:1445.4/24

Right Out: 7.501+/-0.346 $\chi^2$/NDF: 3916.0/20

Left In: 53.447+/-0.214 $\chi^2$/NDF:1167.6/22

Left: 52.769+/-0.150 $\chi^2$/NDF: 2632.6/47

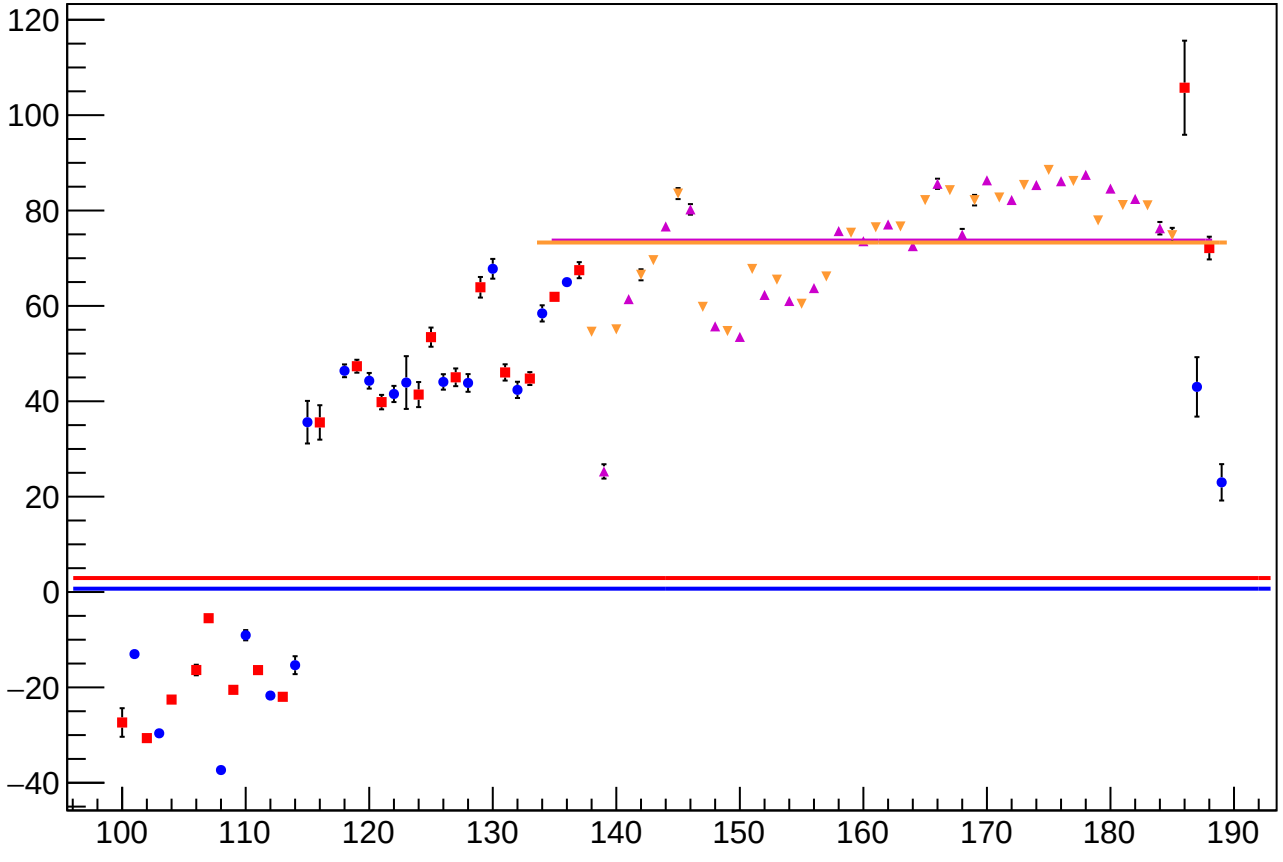
Right: 4.418+/-0.247 $\chi^2$/NDF: 6558.5/39

In: 39.366+/-0.183 $\chi^2$/NDF:19646.5/41

Out: 40.072+/-0.180 $\chi^2$/NDF:17494.7/45

All: 39.726+/-0.128 $\chi^2$/NDF: 37148.8/87

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 0.701+/-0.246 $\chi^2$/NDF: 18504.5/18

Left Out: 73.294+/-0.187 $\chi^2$/NDF:3148.2/24

Right Out: 2.930+/-0.265 $\chi^2$/NDF: 16441.4/20

Left In: 73.699+/-0.194 $\chi^2$/NDF:3901.1/22

Left: 73.489+/-0.135 $\chi^2$/NDF: 7051.6/47

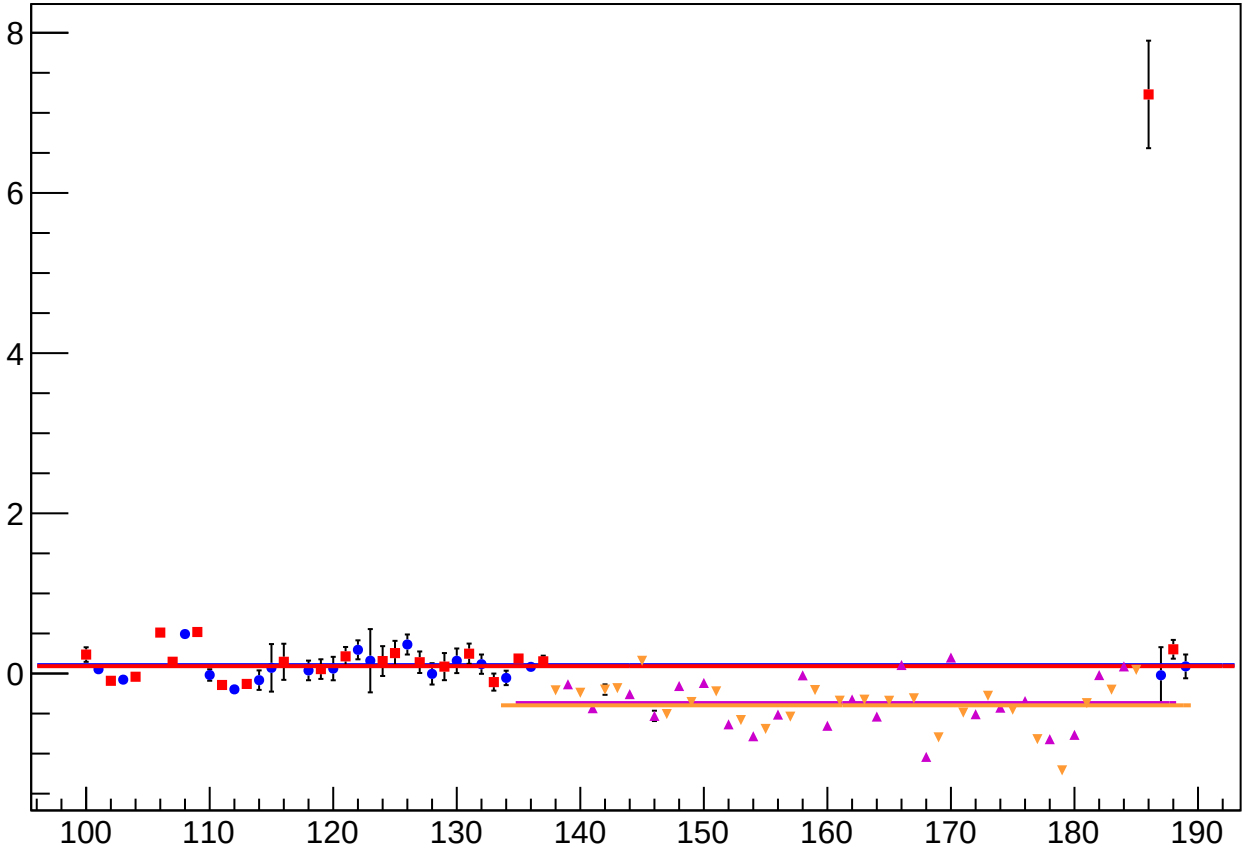
Right: 1.734+/-0.180 $\chi^2$/NDF: 34984.0/39

In: 45.733+/-0.152 $\chi^2$/NDF:76726.7/41

Out: 49.819+/-0.153 $\chi^2$/NDF:66651.4/45

All: 47.767+/-0.108 $\chi^2$/NDF: 143736.6/87

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.105+/-0.011 $\chi^2$/NDF: 400.9/18

Left Out: -0.397+/-0.009 $\chi^2$/NDF:943.5/24

Right Out: 0.092+/-0.011 $\chi^2$/NDF: 507.4/20

Left In: -0.369+/-0.009 $\chi^2$/NDF:1322.7/22

Left: -0.383+/-0.006 $\chi^2$/NDF: 2271.6/47

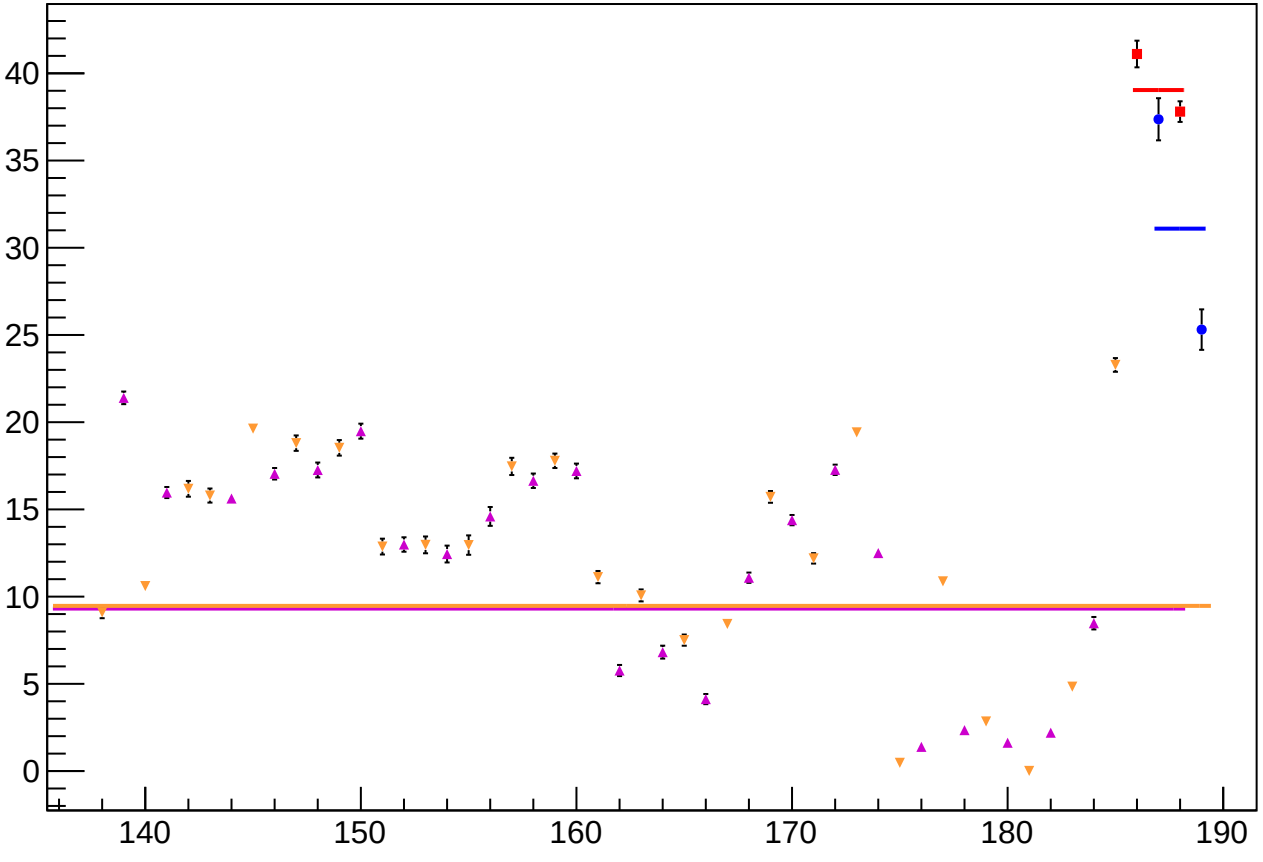
Right: 0.098+/-0.008 $\chi^2$/NDF: 909.0/39

In: -0.188+/-0.007 $\chi^2$/NDF:2868.2/41

Out: -0.212+/-0.007 $\chi^2$/NDF:2686.3/45

All: -0.200+/-0.005 $\chi^2$/NDF: 5560.8/87

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 31.096+/-0.837 $\chi^2$/NDF: 51.8/1

Left Out: 9.470+/-0.061 $\chi^2$/NDF:12578.0/24

Right Out: 39.042+/-0.468 $\chi^2$/NDF: 11.7/1

Left In: 9.315+/-0.063 $\chi^2$/NDF:11007.3/22

Left: 9.394+/-0.044 $\chi^2$/NDF: 23588.5/47

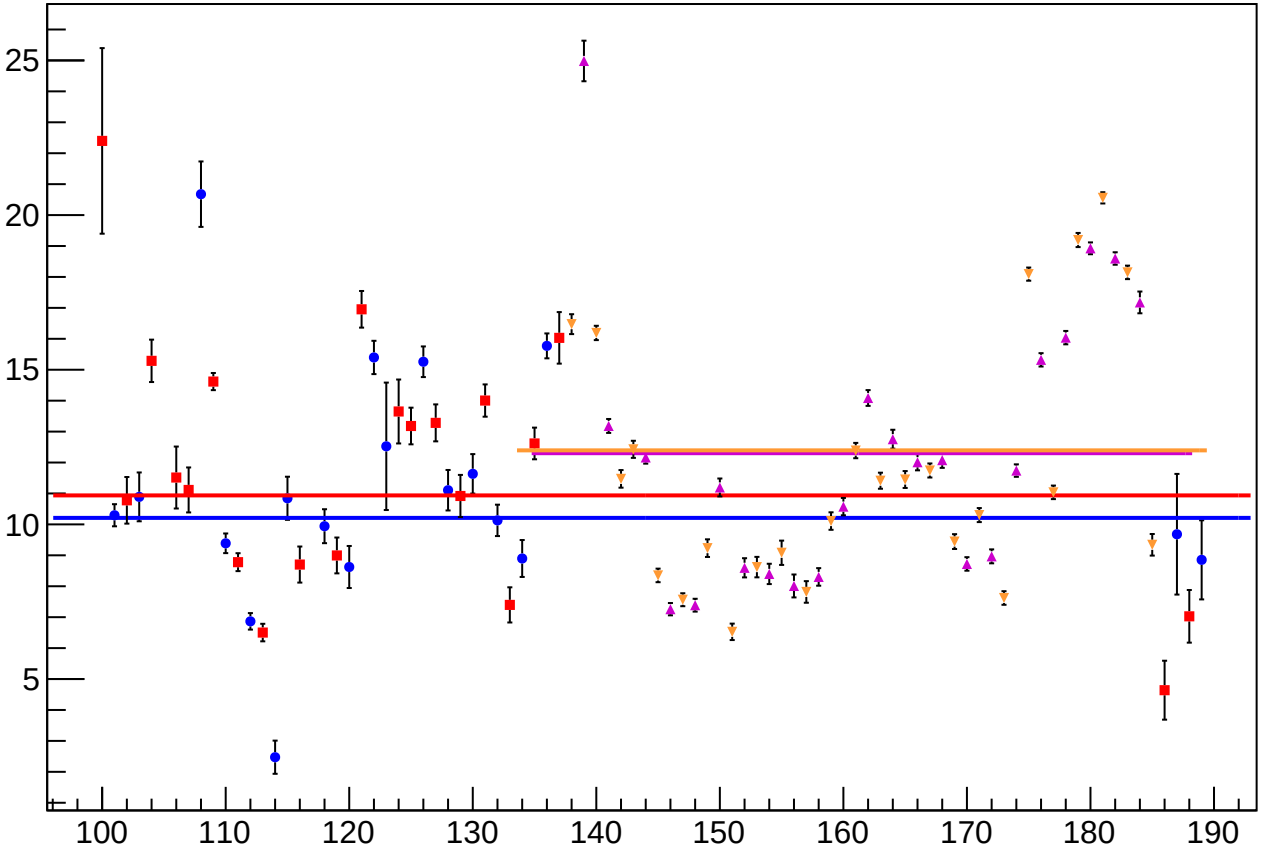
Right: 37.152+/-0.408 $\chi^2$/NDF: 132.2/3

In: 9.437+/-0.063 $\chi^2$/NDF:11732.6/24

Out: 9.970+/-0.061 $\chi^2$/NDF:16522.3/26

All: 9.711+/-0.044 $\chi^2$/NDF: 28292.3/51

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 10.210+/-0.118 $\chi^2$/NDF: 878.8/18

Left Out: 12.393+/-0.050 $\chi^2$/NDF:7525.9/24

Right Out: 10.937+/-0.114 $\chi^2$/NDF: 884.0/20

Left In: 12.302+/-0.051 $\chi^2$/NDF:5661.3/22

Left: 12.349+/-0.036 $\chi^2$/NDF: 13188.8/47

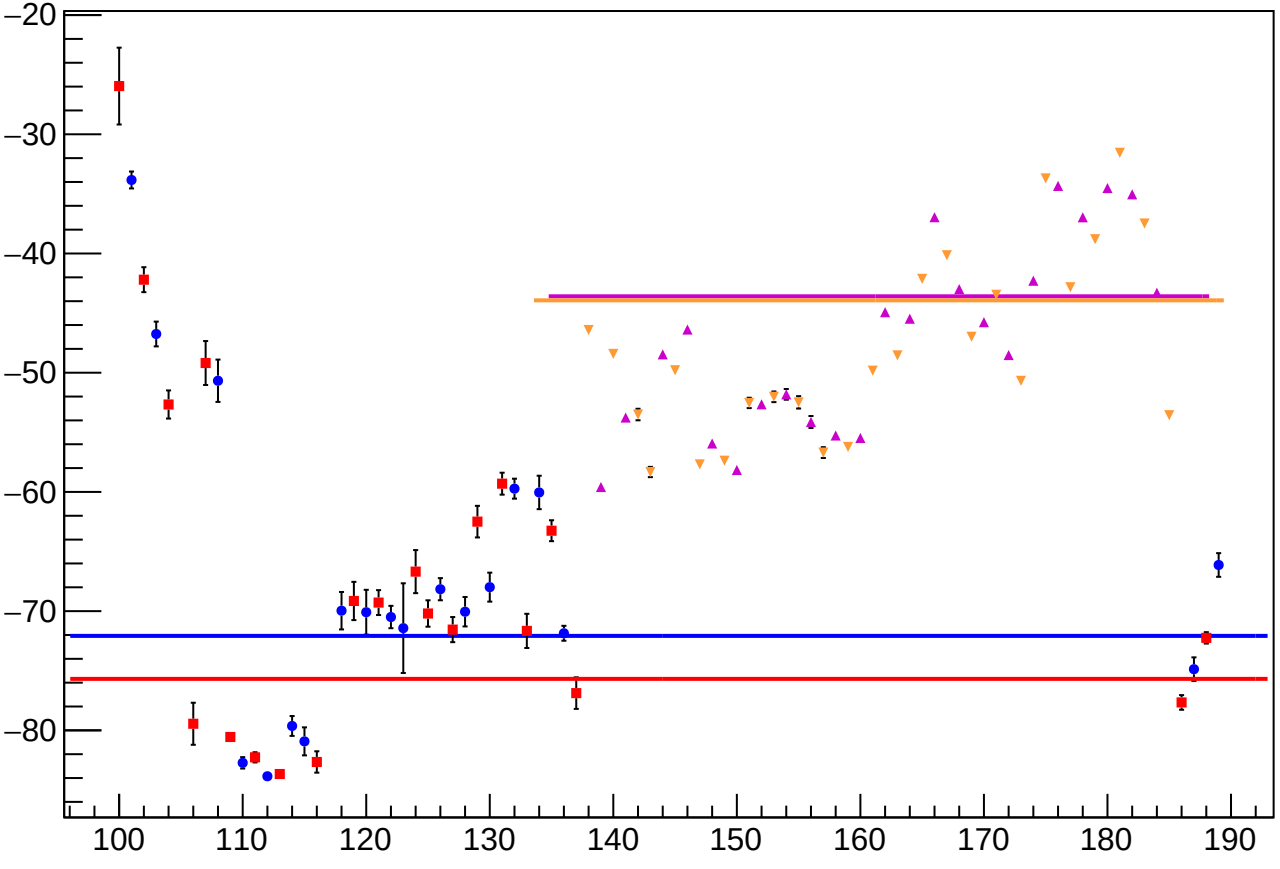
Right: 10.585+/-0.082 $\chi^2$/NDF: 1782.3/39

In: 11.973+/-0.047 $\chi^2$/NDF:6804.0/41

Out: 12.161+/-0.046 $\chi^2$/NDF:8545.9/45

All: 12.070+/-0.033 $\chi^2$/NDF: 15358.2/87

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -72.076+/-0.190 $\chi^2$/NDF: 5611.1/18

Left Out: -43.930+/-0.062 $\chi^2$/NDF:17576.0/24

Right Out: -75.681+/-0.163 $\chi^2$/NDF: 3530.7/20

Left In: -43.591+/-0.063 $\chi^2$/NDF:15574.9/22

Left: -43.763+/-0.044 $\chi^2$/NDF: 33165.5/47

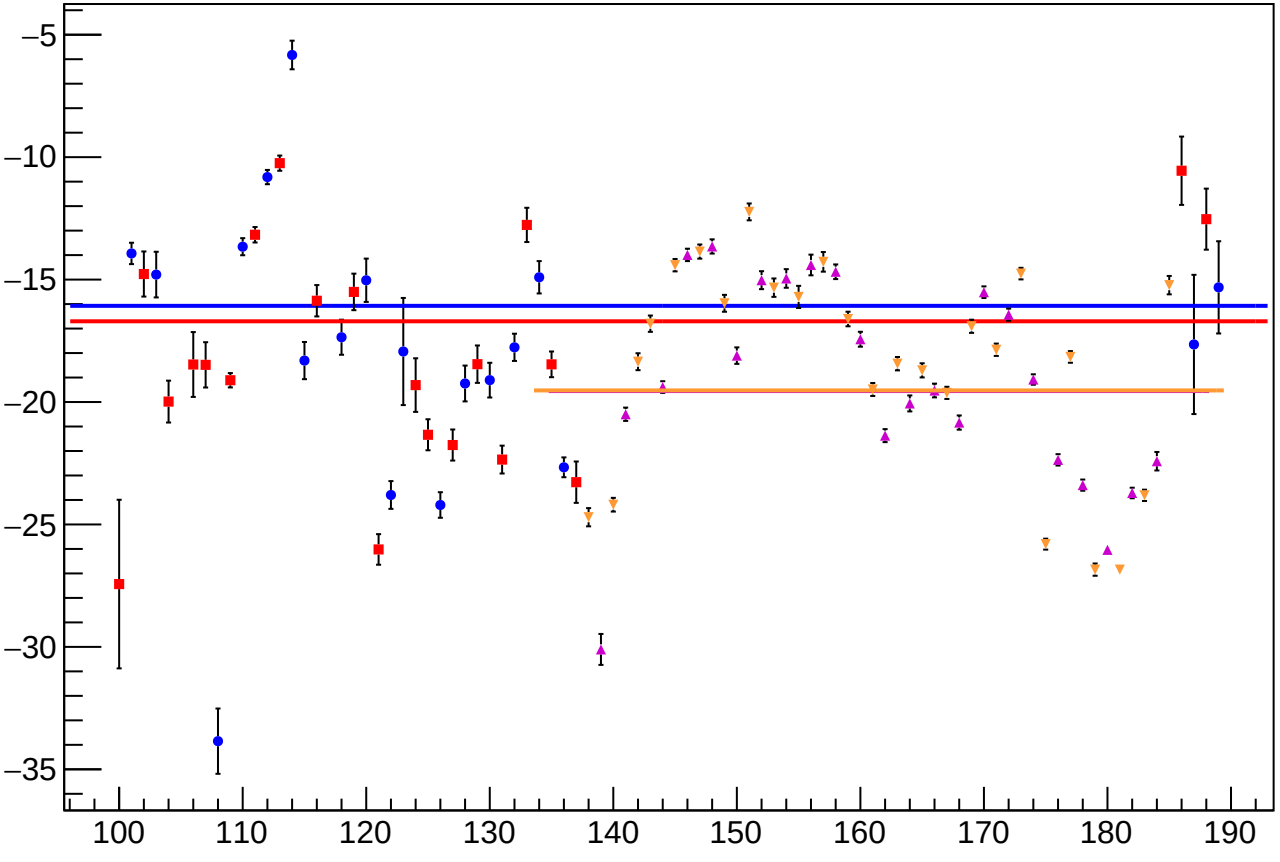
Right: -74.154+/-0.124 $\chi^2$/NDF: 9348.7/39

In: -46.411+/-0.060 $\chi^2$/NDF:41374.6/41

Out: -47.940+/-0.058 $\chi^2$/NDF:54202.1/45

All: -47.200+/-0.042 $\chi^2$/NDF: 95913.3/87

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -16.072+/-0.132 $\chi^2$/NDF: 1641.4/18

Left Out: -19.526+/-0.056 $\chi^2$/NDF:6493.0/24

Right Out: -16.703+/-0.127 $\chi^2$/NDF: 1246.9/20

Left In: -19.552+/-0.057 $\chi^2$/NDF:4359.1/22

Left: -19.539+/-0.040 $\chi^2$/NDF: 10852.2/47

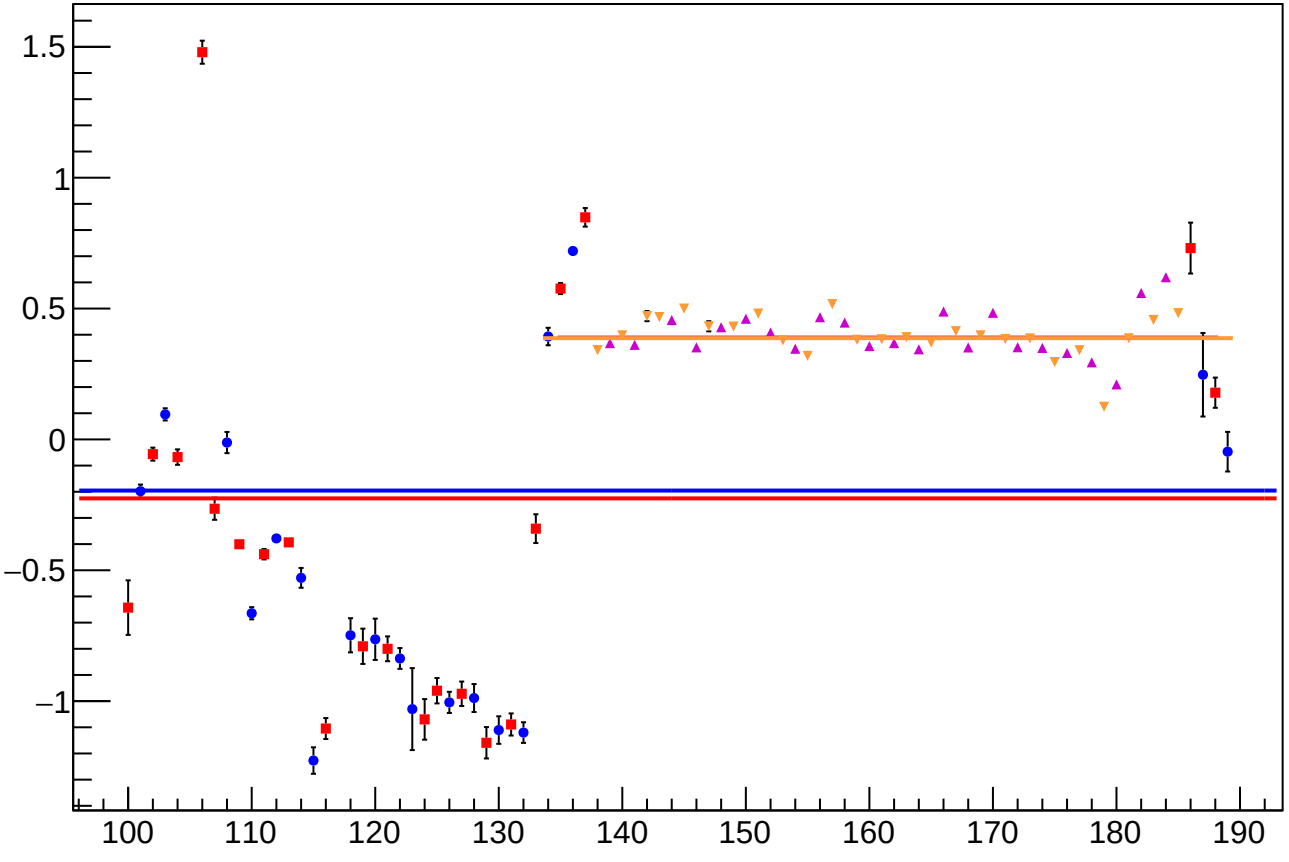
Right: -16.399+/-0.091 $\chi^2$/NDF: 2900.2/39

In: -19.001+/-0.052 $\chi^2$/NDF:6588.6/41

Out: -19.068+/-0.051 $\chi^2$/NDF:8154.1/45

All: -19.035+/-0.037 $\chi^2$/NDF: 14743.5/87

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.195+/-0.007 $\chi^2$/NDF: 6350.4/18

Left Out: 0.387+/-0.003 $\chi^2$/NDF:989.2/24

Right Out: -0.225+/-0.007 $\chi^2$/NDF: 6370.0/20

Left In: 0.389+/-0.003 $\chi^2$/NDF:1257.1/22

Left: 0.388+/-0.002 $\chi^2$/NDF: 2246.7/47

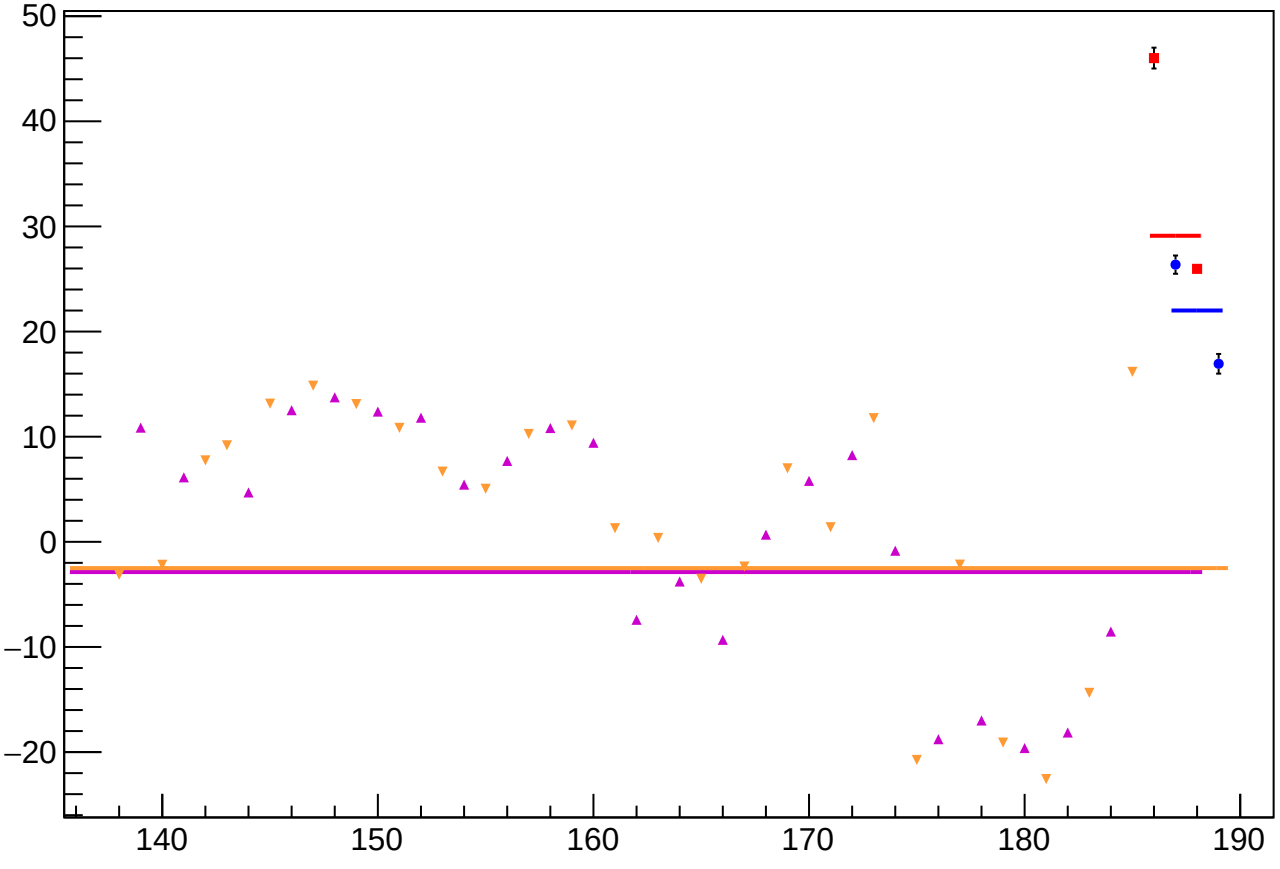
Right: -0.211+/-0.005 $\chi^2$/NDF: 12728.9/39

In: 0.326+/-0.002 $\chi^2$/NDF:13037.9/41

Out: 0.316+/-0.002 $\chi^2$/NDF:13939.2/45

All: 0.321+/-0.002 $\chi^2$/NDF: 26985.1/87

# reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 22.004+/-0.636 $\chi^2$/NDF: 54.6/1

Left Out: -2.499+/-0.053 $\chi^2$/NDF:55930.9/24

Right Out: 29.112+/-0.393 $\chi^2$/NDF: 345.0/1

Left In: -2.876+/-0.055 $\chi^2$/NDF:46380.9/22

Left: -2.681+/-0.038 $\chi^2$/NDF: 102336.4/47

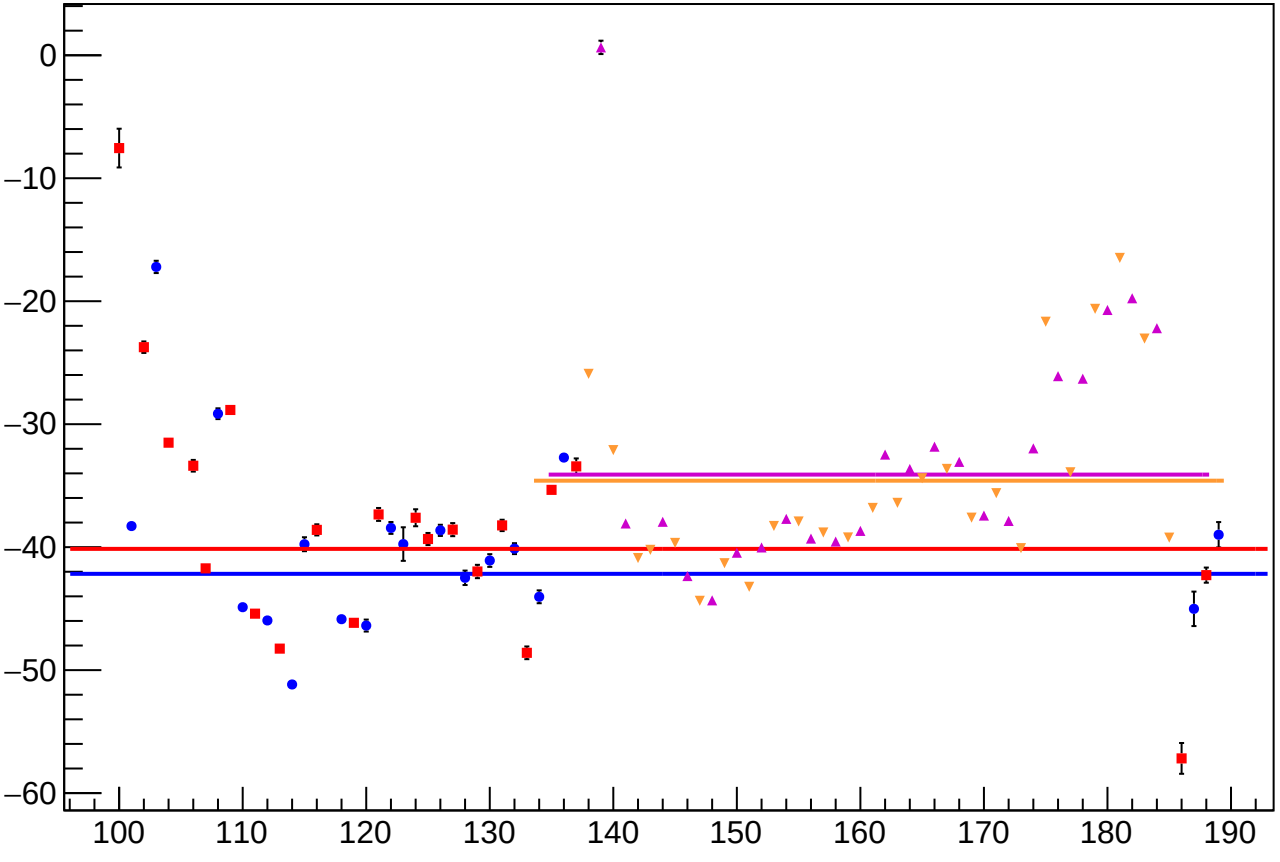
Right: 27.152+/-0.334 $\chi^2$/NDF: 489.9/3

In: -2.694+/-0.054 $\chi^2$/NDF:47953.1/24

Out: -1.935+/-0.052 $\chi^2$/NDF:62639.9/26

All: -2.300+/-0.038 $\chi^2$/NDF: 110693.9/51

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -42.169+/-0.077 $\chi^2$/NDF: 6587.4/18

Left Out: -34.594+/-0.042 $\chi^2$/NDF:34404.6/24

Right Out: -40.140+/-0.072 $\chi^2$/NDF: 11512.0/20

Left In: -34.099+/-0.044 $\chi^2$/NDF:29370.6/22

Left: -34.358+/-0.030 $\chi^2$/NDF: 63841.7/47

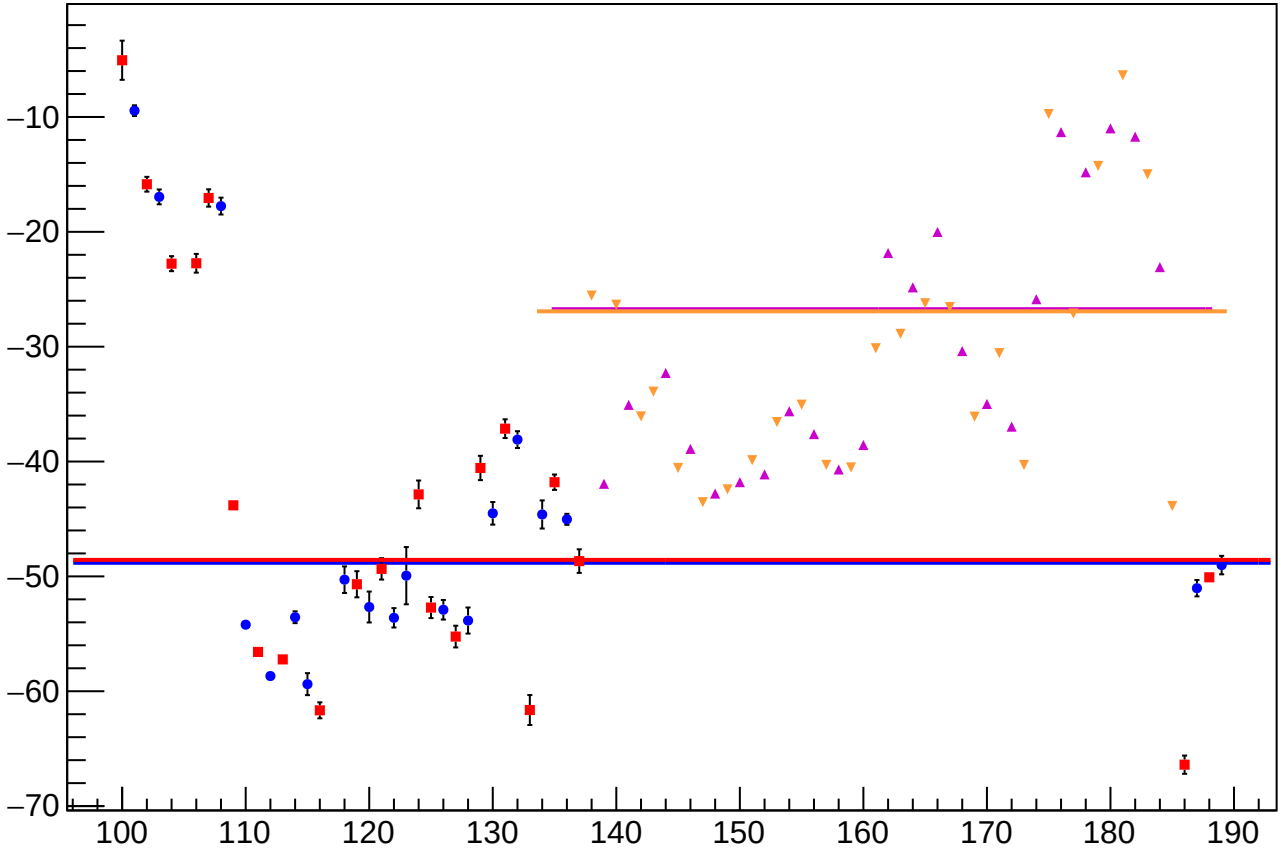
Right: -41.083+/-0.053 $\chi^2$/NDF: 18467.2/39

In: -36.059+/-0.038 $\chi^2$/NDF:44183.8/41

Out: -35.995+/-0.036 $\chi^2$/NDF:50329.9/45

All: -36.025+/-0.026 $\chi^2$/NDF: 94515.2/87

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -48.815+/-0.121 $\chi^2$/NDF: 14668.5/18

Left Out: -26.920+/-0.053 $\chi^2$/NDF:49198.9/24

Right Out: -48.562+/-0.102 $\chi^2$/NDF: 12274.5/20

Left In: -26.733+/-0.055 $\chi^2$/NDF:42643.0/22

Left: -26.829+/-0.038 $\chi^2$/NDF: 91847.9/47

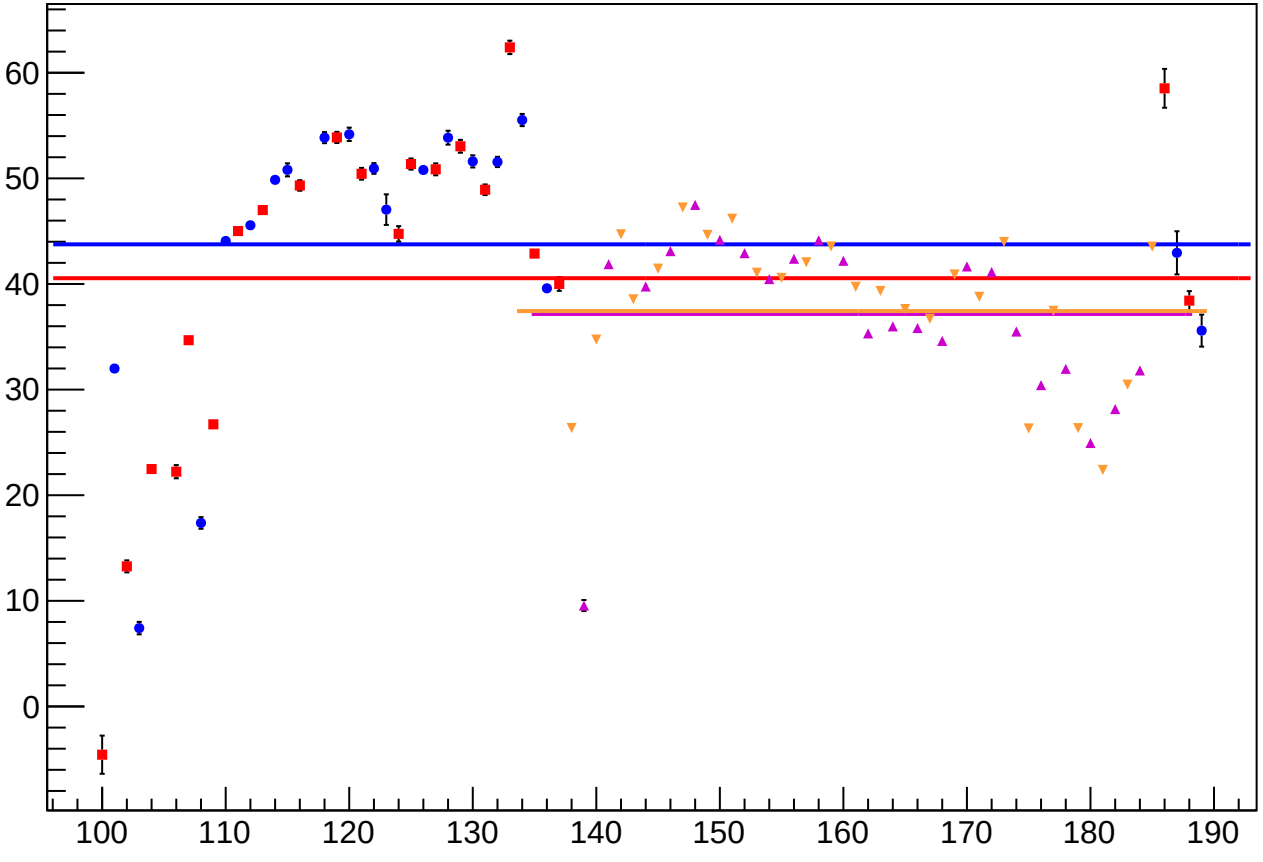
Right: -48.666+/-0.078 $\chi^2$/NDF: 26945.6/39

In: -30.474+/-0.050 $\chi^2$/NDF:84895.4/41

Out: -31.598+/-0.047 $\chi^2$/NDF:97063.5/45

All: -31.067+/-0.034 $\chi^2$/NDF: 182226.6/87

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 43.754+/-0.086 $\chi^2$/NDF: 10668.1/18

Left Out: 37.435+/-0.047 $\chi^2$/NDF:21517.4/24

Right Out: 40.548+/-0.080 $\chi^2$/NDF: 17681.8/20

Left In: 37.164+/-0.049 $\chi^2$/NDF:17427.3/22

Left: 37.305+/-0.034 $\chi^2$/NDF: 38960.5/47

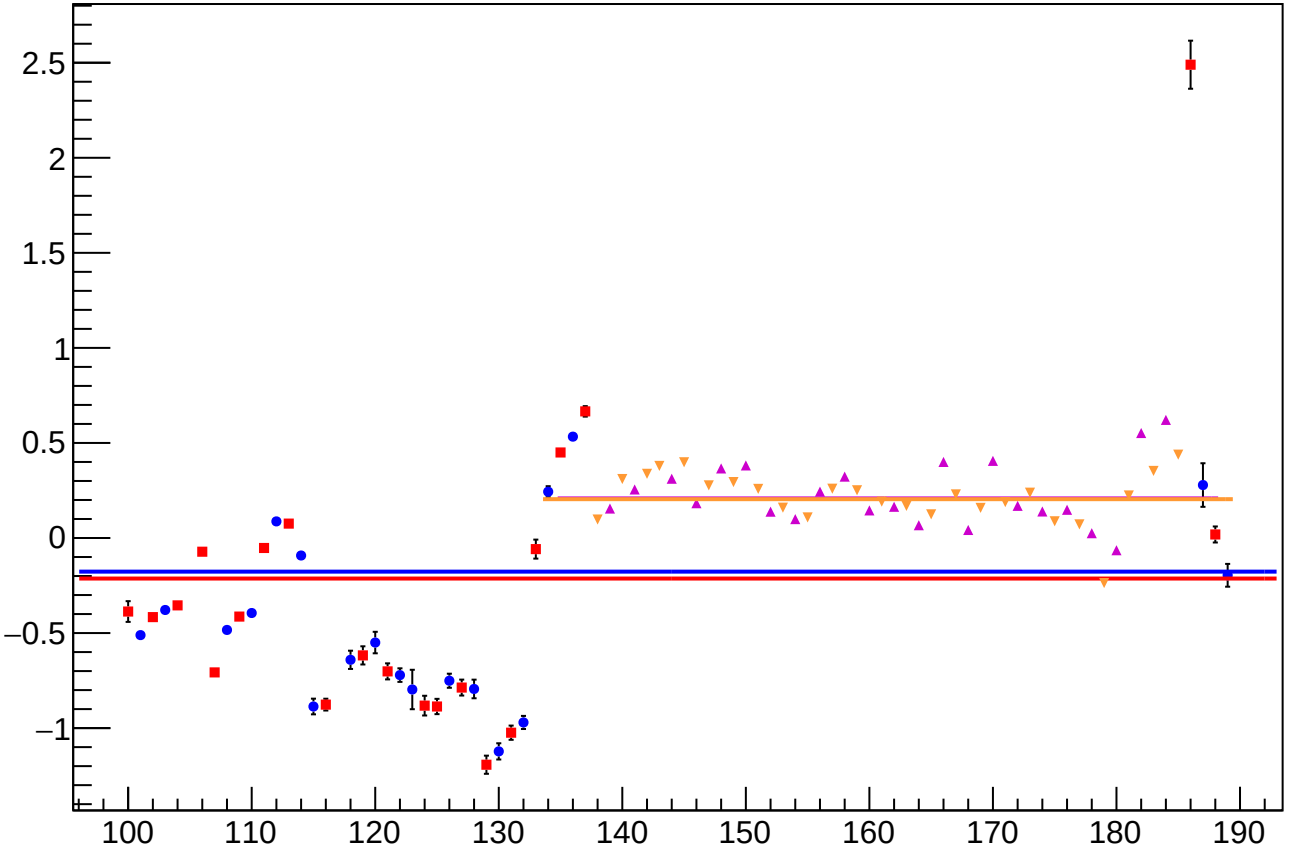
Right: 42.024+/-0.059 $\chi^2$/NDF: 29092.9/39

In: 38.774+/-0.043 $\chi^2$/NDF:32491.2/41

Out: 38.245+/-0.041 $\chi^2$/NDF:40325.0/45

All: 38.497+/-0.029 $\chi^2$/NDF: 72896.4/87

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.177+/-0.005 $\chi^2$/NDF: 7391.8/18

Left Out: 0.204+/-0.002 $\chi^2$/NDF:3801.8/24

Right Out: -0.213+/-0.004 $\chi^2$/NDF: 7958.9/20

Left In: 0.208+/-0.002 $\chi^2$/NDF:5095.2/22

Left: 0.206+/-0.002 $\chi^2$/NDF: 8898.7/47

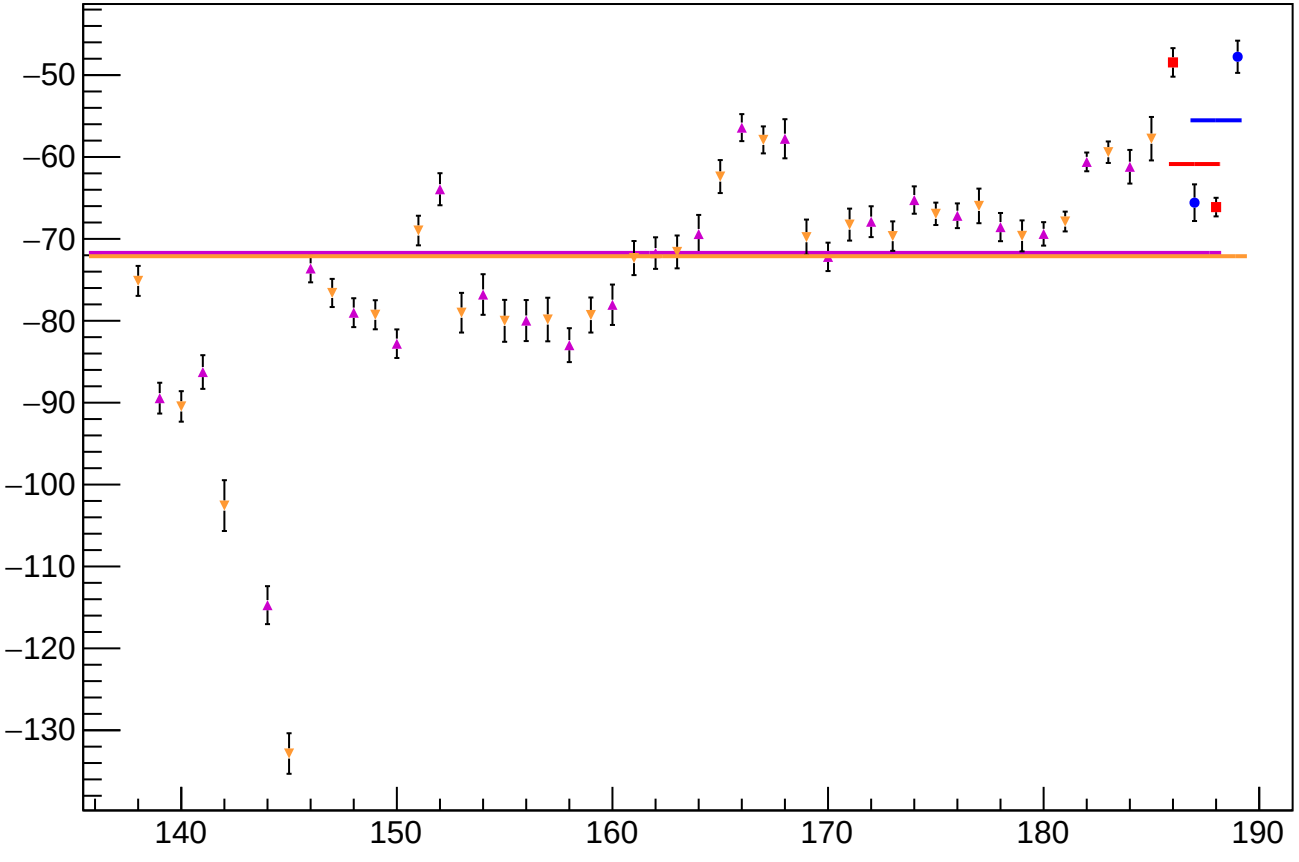
Right: -0.197+/-0.003 $\chi^2$/NDF: 15382.5/39

In: 0.140+/-0.002 $\chi^2$/NDF:17748.6/41

Out: 0.118+/-0.002 $\chi^2$/NDF:19328.3/45

All: 0.129+/-0.001 $\chi^2$/NDF: 37137.4/87

# reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -55.522+/-1.478 $\chi^2$/NDF: 35.7/1

Left Out: -72.115+/-0.383 $\chi^2$/NDF:1125.2/23

Right Out: -60.860+/-0.951 $\chi^2$/NDF: 72.1/1

Left In: -71.713+/-0.380 $\chi^2$/NDF:884.6/22

Left: -71.913+/-0.270 $\chi^2$/NDF: 2010.3/46

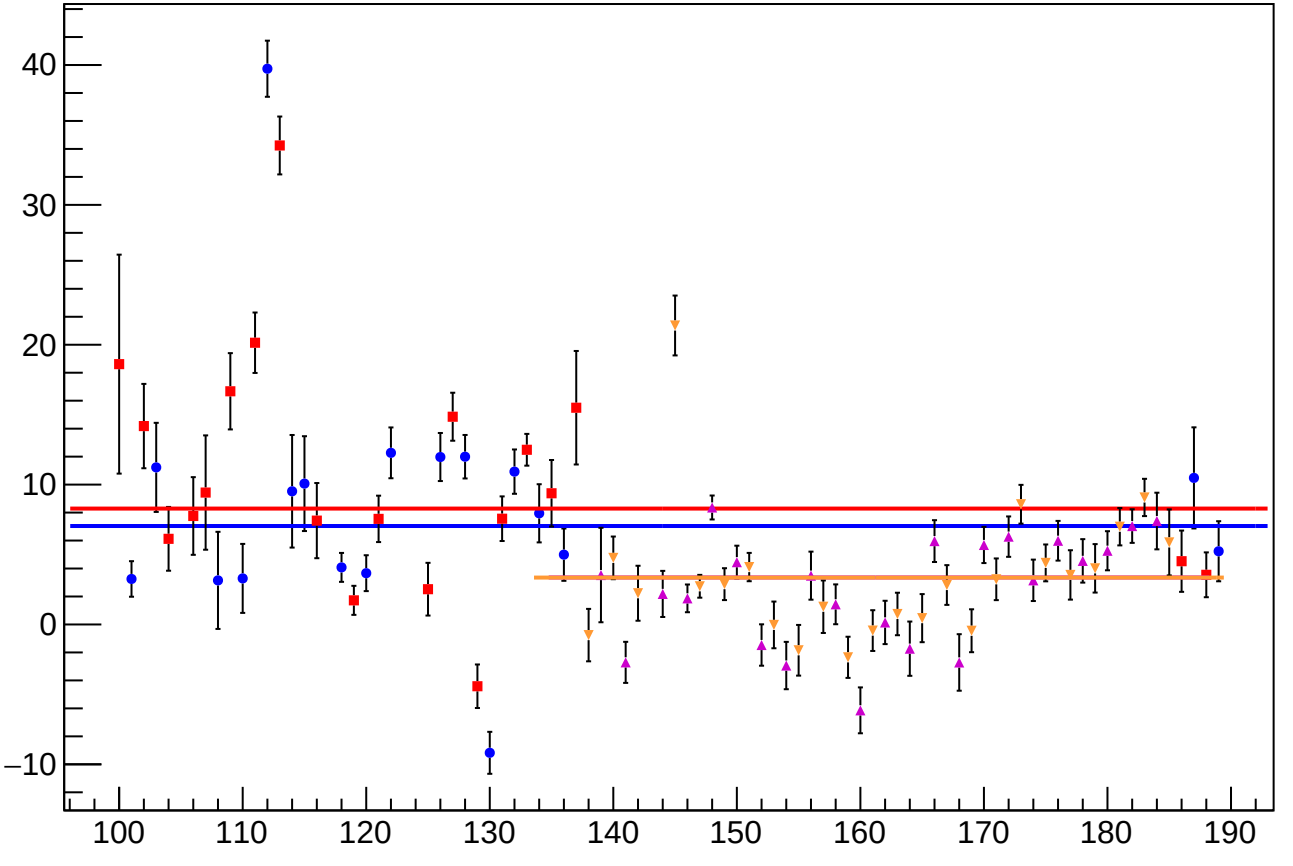
Right: -59.297+/-0.800 $\chi^2$/NDF: 117.1/3

In: -70.707+/-0.368 $\chi^2$/NDF:1033.0/24

Out: -70.546+/-0.355 $\chi^2$/NDF:1317.8/25

All: -70.624+/-0.256 $\chi^2$/NDF: 2350.9/50

# reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 7.039+/-0.422 $\chi^2$/NDF: 448.5/17

Left Out: 3.353+/-0.295 $\chi^2$/NDF:167.8/23

Right Out: 8.286+/-0.424 $\chi^2$/NDF: 363.4/19

Left In: 3.360+/-0.298 $\chi^2$/NDF:164.5/22

Left: 3.356+/-0.209 $\chi^2$/NDF: 332.3/46

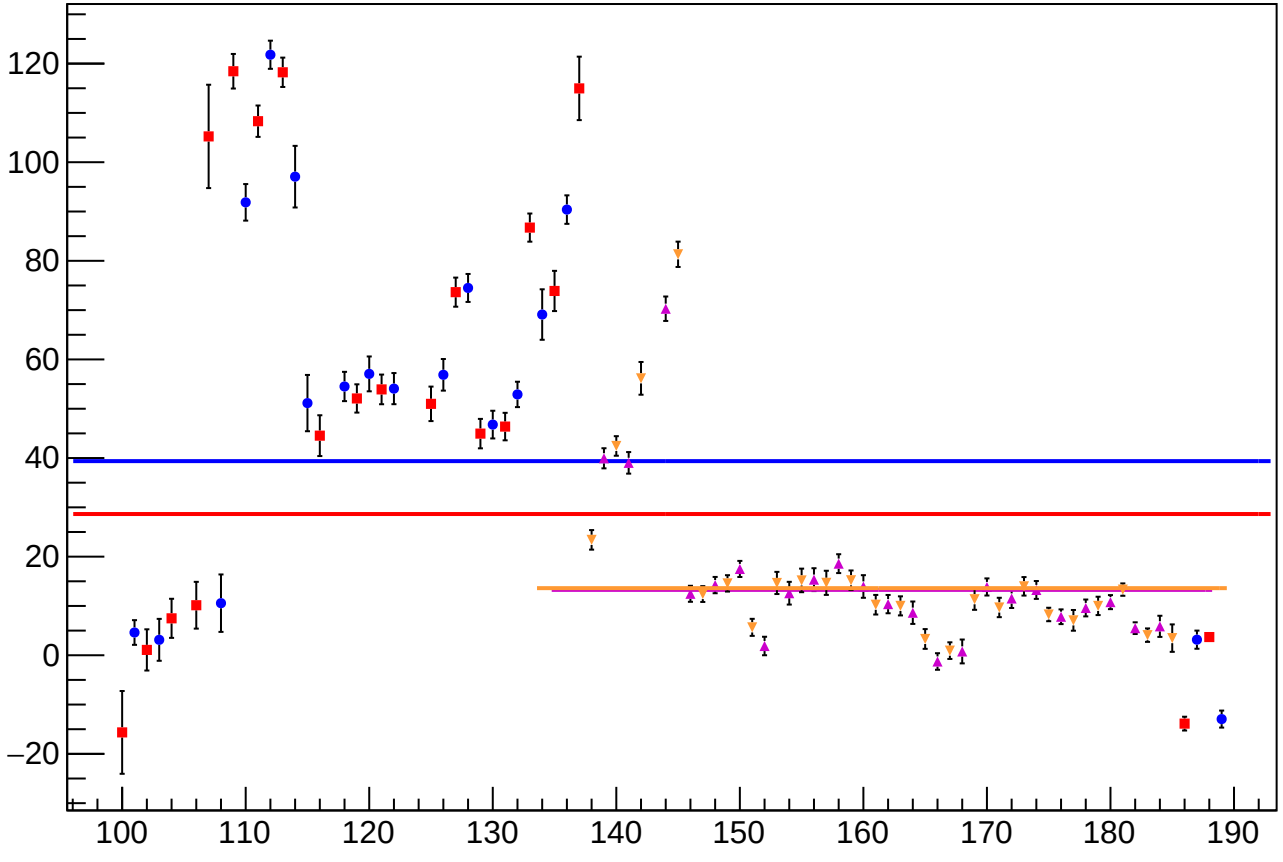
Right: 7.659+/-0.299 $\chi^2$/NDF: 816.3/37

In: 4.582+/-0.243 $\chi^2$/NDF:663.8/40

Out: 4.958+/-0.242 $\chi^2$/NDF:622.5/43

All: 4.771+/-0.172 $\chi^2$/NDF: 1287.5/84

# reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 39.374+/-0.694 $\chi^2$/NDF: 3355.8/17

Left Out: 13.610+/-0.382 $\chi^2$/NDF:1303.3/23

Right Out: 28.644+/-0.567 $\chi^2$/NDF: 5229.2/19

Left In: 13.262+/-0.379 $\chi^2$/NDF:1077.0/22

Left: 13.434+/-0.269 $\chi^2$/NDF: 2380.7/46

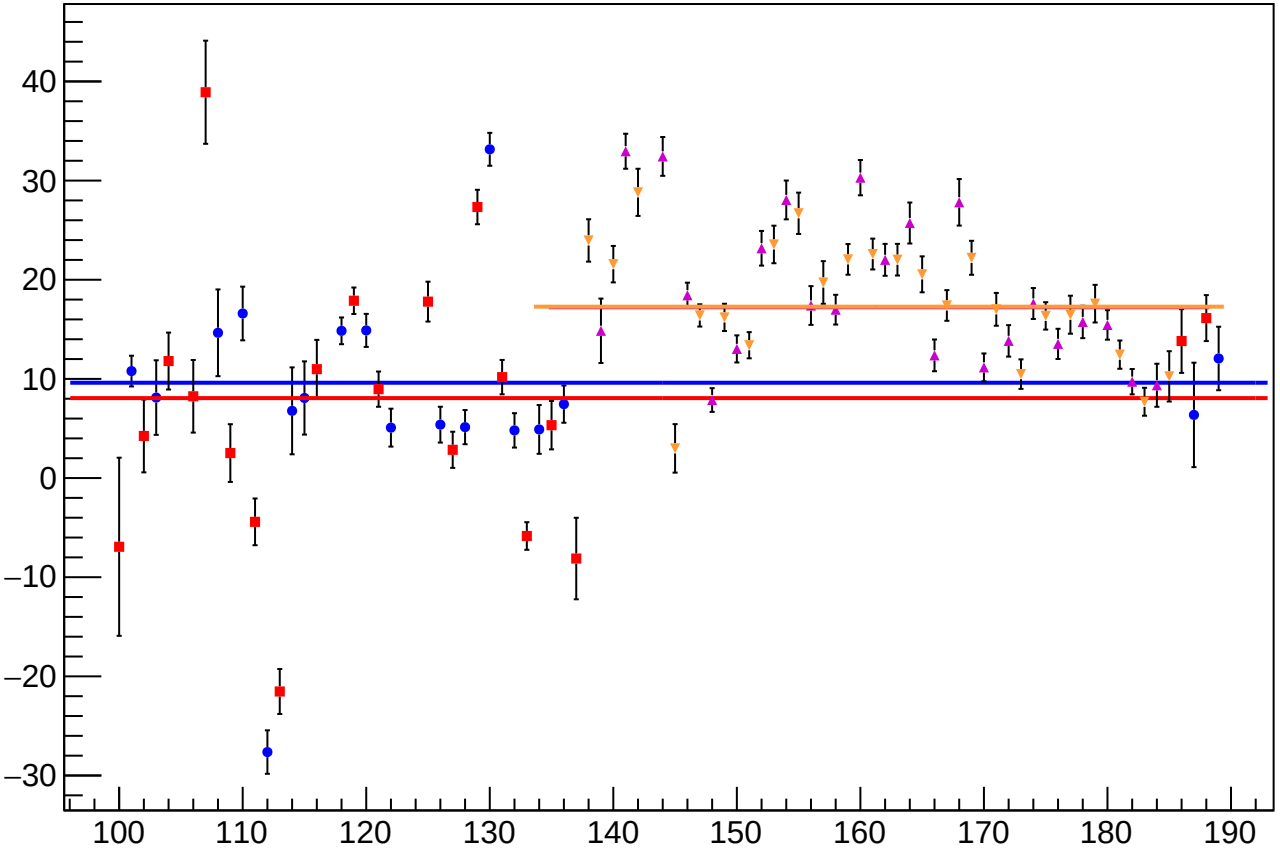
Right: 32.942+/-0.439 $\chi^2$/NDF: 8728.3/37

In: 19.253+/-0.332 $\chi^2$/NDF:5524.5/40

Out: 18.298+/-0.317 $\chi^2$/NDF:7016.2/43

All: 18.752+/-0.229 $\chi^2$/NDF: 12545.0/84

# reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 9.613+/-0.493 $\chi^2$/NDF: 555.4/17

Left Out: 17.285+/-0.337 $\chi^2$/NDF:244.0/23

Right Out: 8.063+/-0.497 $\chi^2$/NDF: 586.2/19

Left In: 17.224+/-0.339 $\chi^2$/NDF:442.2/22

Left: 17.255+/-0.239 $\chi^2$/NDF: 686.2/46

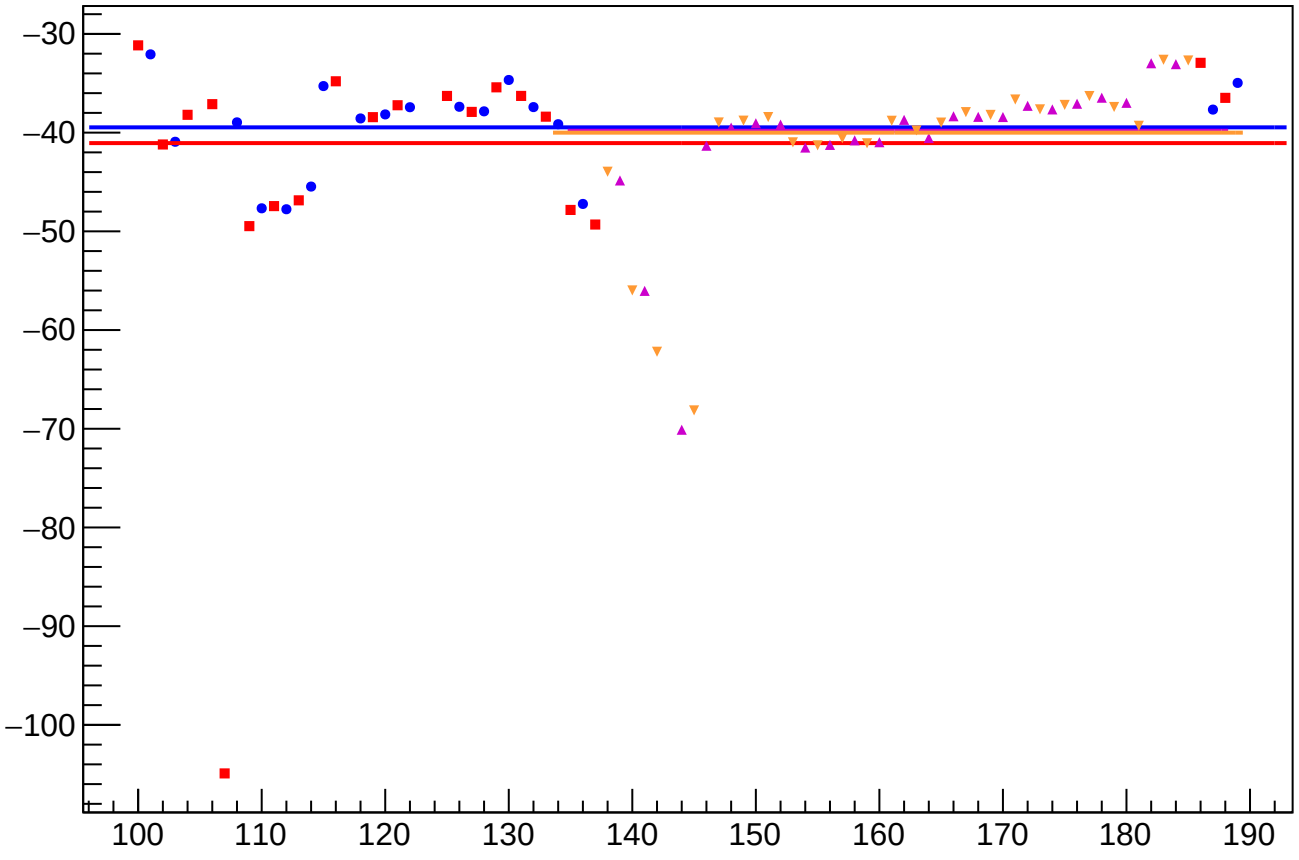
Right: 8.845+/-0.350 $\chi^2$/NDF: 1146.5/37

In: 14.785+/-0.279 $\chi^2$/NDF:1159.6/40

Out: 14.383+/-0.279 $\chi^2$/NDF:1065.9/43

All: 14.584+/-0.197 $\chi^2$/NDF: 2226.5/84

# reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -39.465+/-0.030 $\chi^2$/NDF: 27659.5/17

Left Out: -40.002+/-0.016 $\chi^2$/NDF:172150.1/23

Right Out: -41.061+/-0.030 $\chi^2$/NDF: 98183.0/19

Left In: -39.813+/-0.016 $\chi^2$/NDF:145790.5/22

Left: -39.906+/-0.011 $\chi^2$/NDF: 318013.1/46

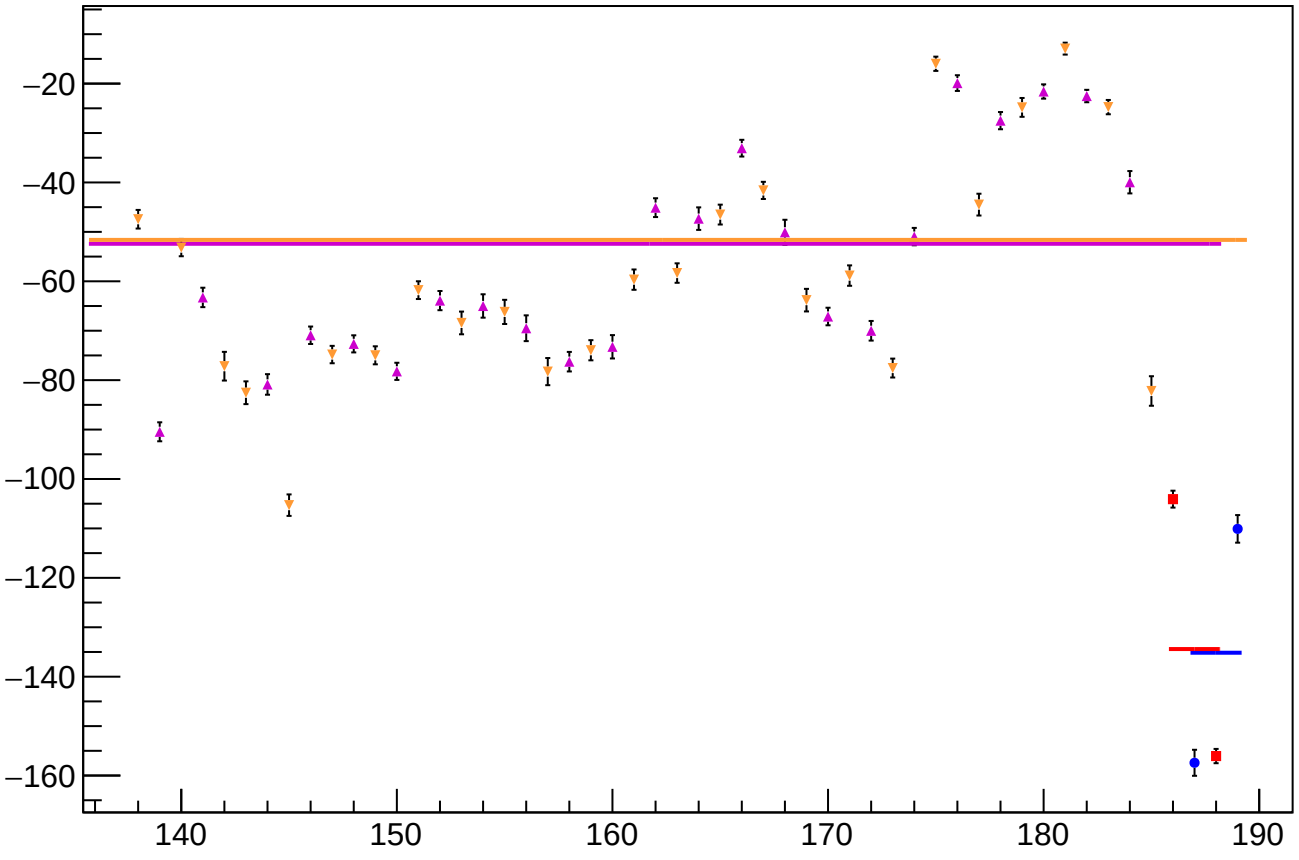
Right: -40.273+/-0.021 $\chi^2$/NDF: 127280.6/37

In: -39.739+/-0.014 $\chi^2$/NDF:173556.3/40

Out: -40.236+/-0.014 $\chi^2$/NDF:271332.8/43

All: -39.986+/-0.010 $\chi^2$/NDF: 445531.8/84

# reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -135.152+/-1.915 $\chi^2$/NDF: 152.2/1

Left Out: -51.622+/-0.383 $\chi^2$/NDF:4133.0/24

Right Out: -134.408+/-1.104 $\chi^2$/NDF: 538.5/1

Left In: -52.409+/-0.387 $\chi^2$/NDF:3378.7/22

Left: -52.012+/-0.272 $\chi^2$/NDF: 7513.8/47

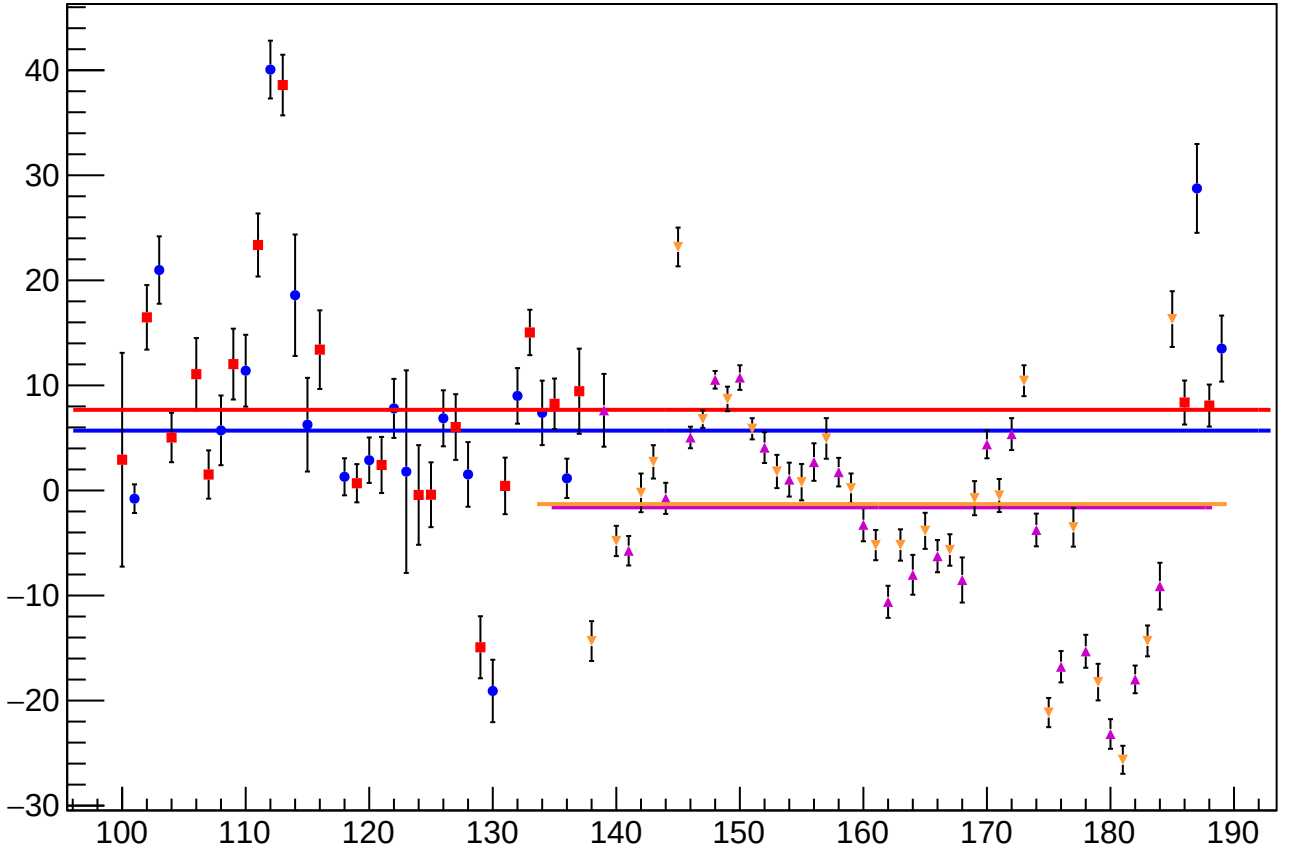
Right: -134.594+/-0.957 $\chi^2$/NDF: 690.8/3

In: -55.659+/-0.380 $\chi^2$/NDF:5324.6/24

Out: -60.531+/-0.362 $\chi^2$/NDF:9687.1/26

All: -58.208+/-0.262 $\chi^2$/NDF: 15098.0/51

# reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 5.696+/-0.603 $\chi^2$/NDF: 333.0/18

Left Out: -1.300+/-0.293 $\chi^2$/NDF:1315.7/24

Right Out: 7.675+/-0.594 $\chi^2$/NDF: 270.4/20

Left In: -1.608+/-0.299 $\chi^2$/NDF:1097.4/22

Left: -1.450+/-0.209 $\chi^2$/NDF: 2413.6/47

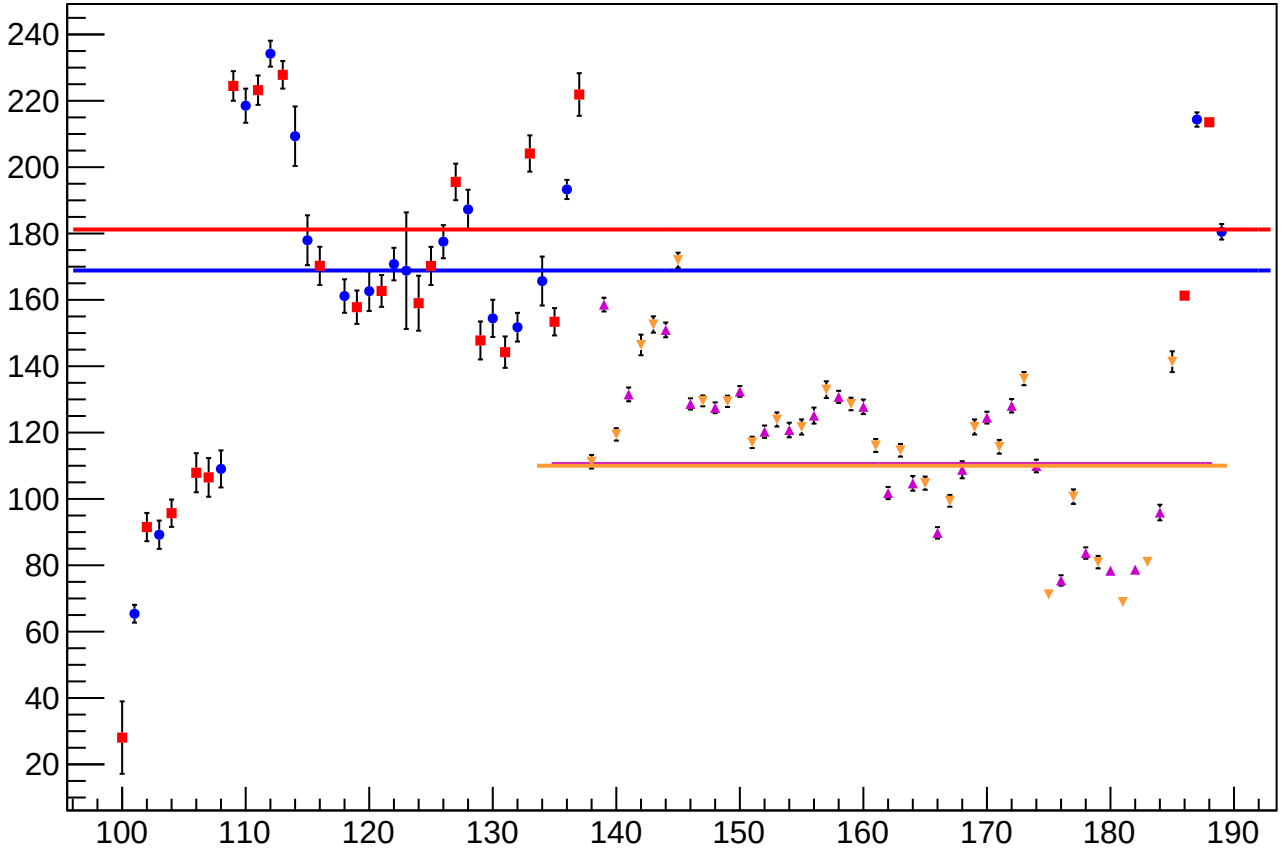
Right: 6.701+/-0.423 $\chi^2$/NDF: 608.8/39

In: -0.163+/-0.268 $\chi^2$/NDF:1548.0/41

Out: 0.451+/-0.262 $\chi^2$/NDF:1769.8/45

All: 0.151+/-0.188 $\chi^2$/NDF: 3320.5/87

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 168.855+/-0.929 $\chi^2$/NDF: 2919.5/18

Left Out: 110.012+/-0.383 $\chi^2$/NDF:4537.0/24

Right Out: 181.212+/-0.707 $\chi^2$/NDF: 2943.0/20

Left In: 110.482+/-0.385 $\chi^2$/NDF:3824.9/22

Left: 110.246+/-0.271 $\chi^2$/NDF: 8362.7/47

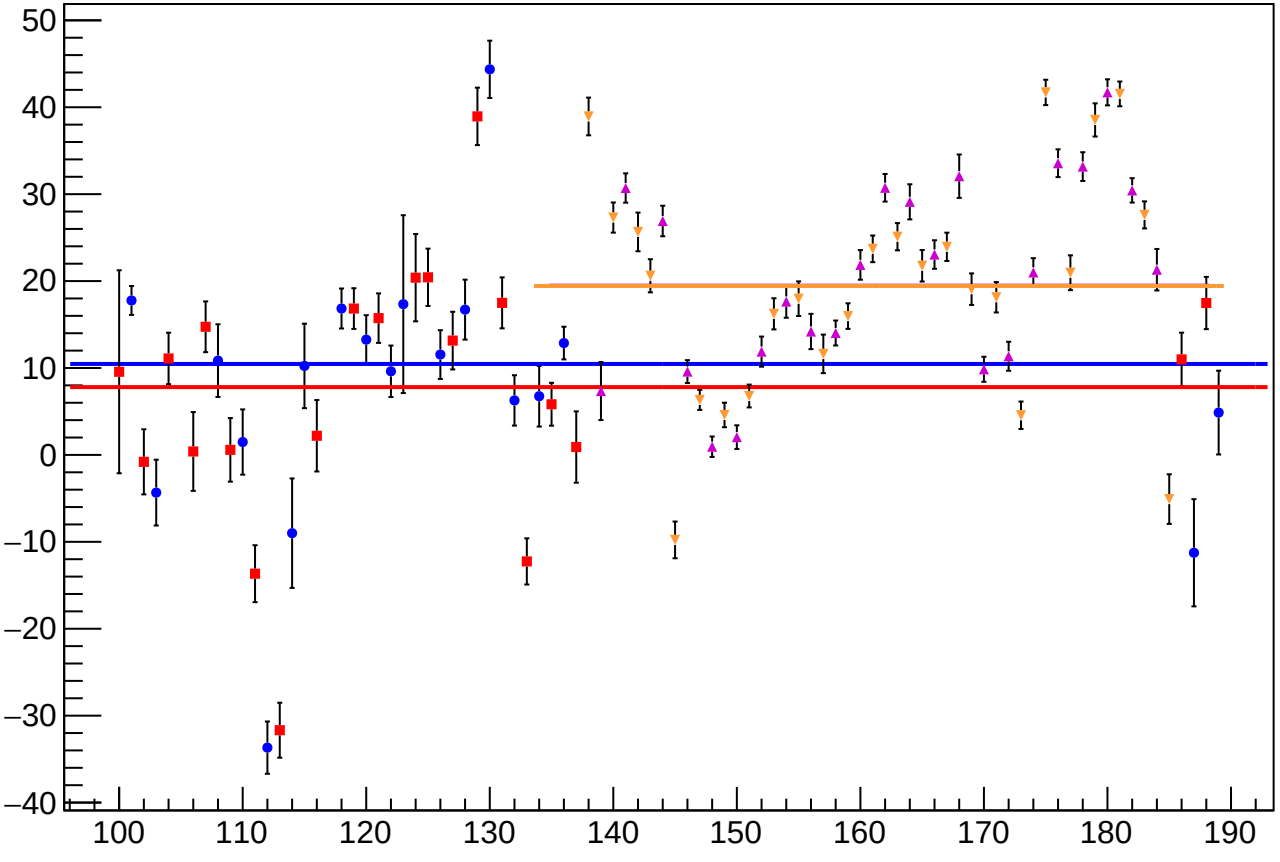
Right: 176.674+/-0.563 $\chi^2$/NDF: 5974.6/39

In: 119.034+/-0.355 $\chi^2$/NDF:10117.7/41

Out: 126.142+/-0.337 $\chi^2$/NDF:15318.4/45

All: 122.780+/-0.244 $\chi^2$/NDF: 25646.9/87

# reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 10.465+/-0.701 $\chi^2$/NDF: 402.2/18

Left Out: 19.434+/-0.336 $\chi^2$/NDF:1452.3/24

Right Out: 7.802+/-0.707 $\chi^2$/NDF: 437.1/20

Left In: 19.472+/-0.342 $\chi^2$/NDF:1188.2/22

Left: 19.453+/-0.239 $\chi^2$/NDF: 2640.5/47

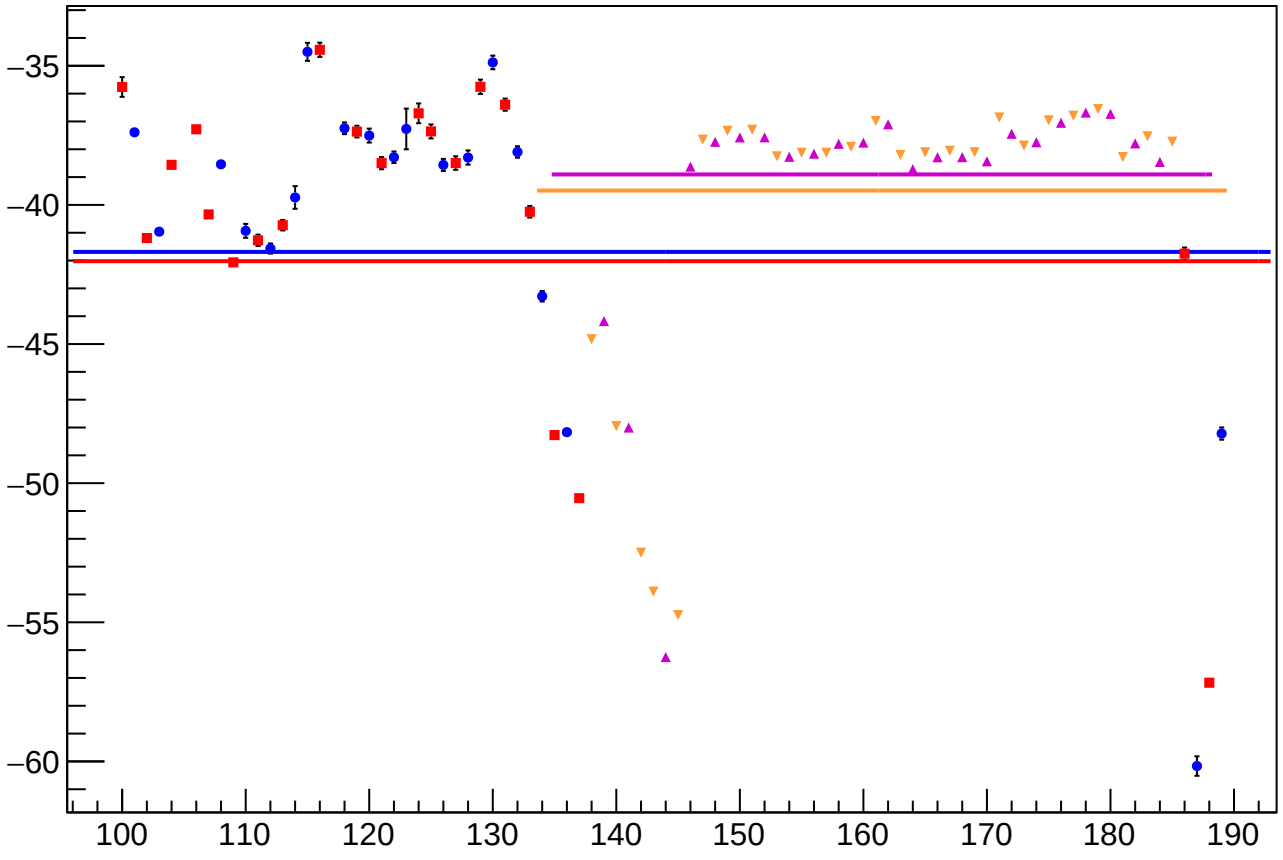
Right: 9.144+/-0.498 $\chi^2$/NDF: 846.4/39

In: 17.744+/-0.307 $\chi^2$/NDF:1723.7/41

Out: 17.293+/-0.303 $\chi^2$/NDF:2110.6/45

All: 17.516+/-0.216 $\chi^2$/NDF: 3835.4/87

# reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -41.689+/-0.038 $\chi^2$/NDF: 16357.4/18

Left Out: -39.484+/-0.016 $\chi^2$/NDF:88877.3/24

Right Out: -42.022+/-0.037 $\chi^2$/NDF: 21746.3/20

Left In: -38.905+/-0.016 $\chi^2$/NDF:54282.7/22

Left: -39.195+/-0.011 $\chi^2$/NDF: 143834.7/47

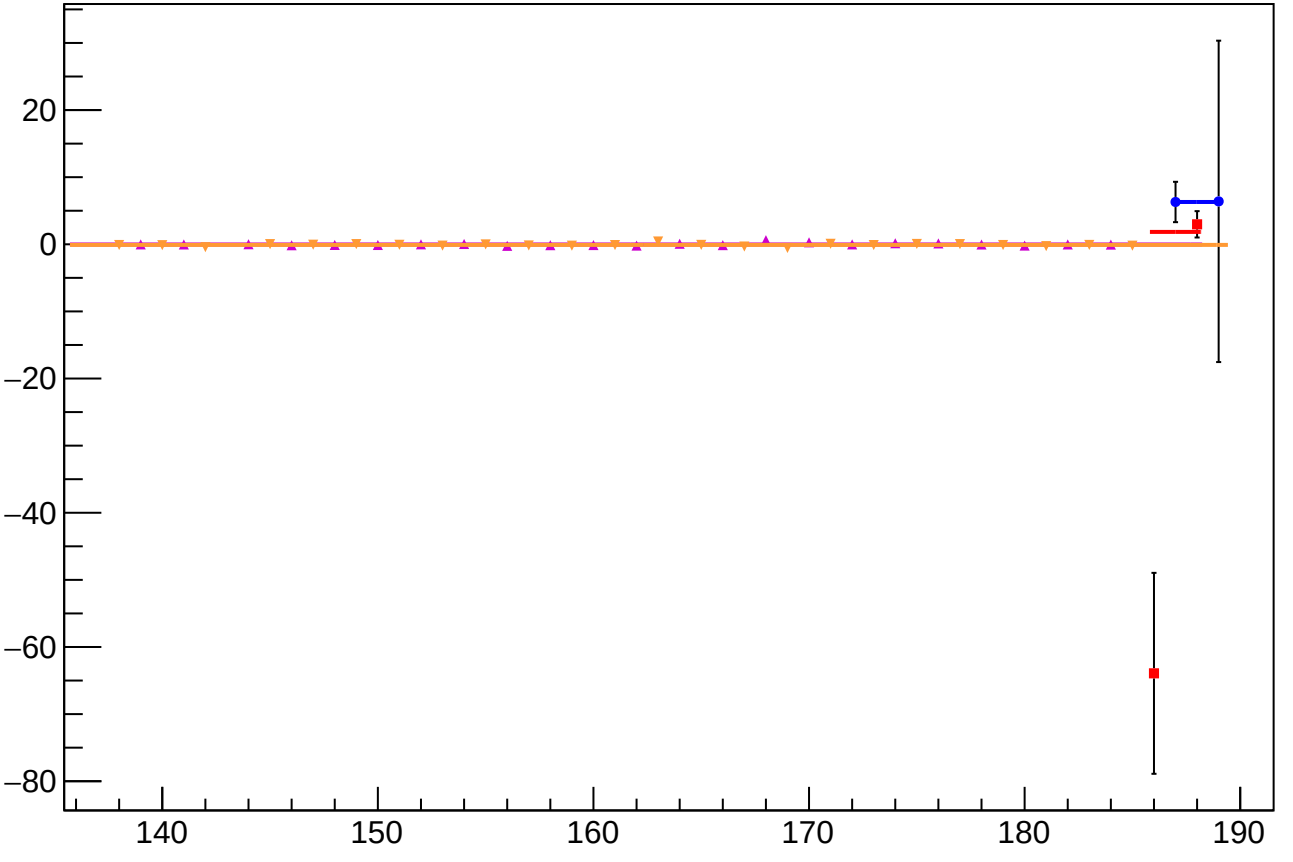
Right: -41.859+/-0.026 $\chi^2$/NDF: 38143.5/39

In: -39.321+/-0.015 $\chi^2$/NDF:75279.9/41

Out: -39.874+/-0.015 $\chi^2$/NDF:114604.1/45

All: -39.599+/-0.010 $\chi^2$/NDF: 190608.5/87

# reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 6.306+/-2.984 $\chi^2$/NDF: 0.0/1

Left Out: -0.089+/-0.022 $\chi^2$/NDF:40.0/23

Right Out: 1.846+/-1.946 $\chi^2$/NDF: 19.6/1

Left In: -0.026+/-0.022 $\chi^2$/NDF:32.3/22

Left: -0.057+/-0.016 $\chi^2$/NDF: 76.4/46

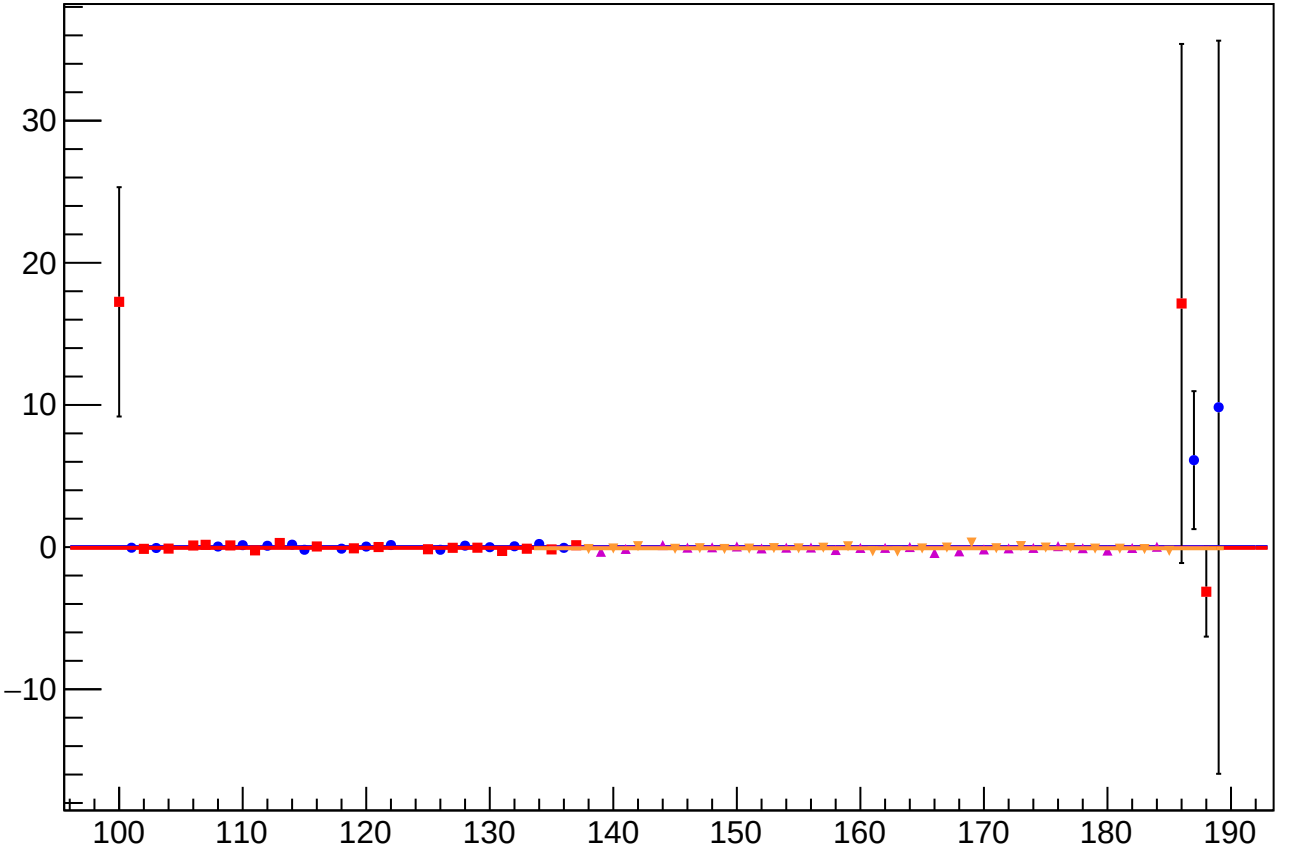
Right: 3.177+/-1.630 $\chi^2$/NDF: 21.2/3

In: -0.025+/-0.022 $\chi^2$/NDF:36.8/24

Out: -0.089+/-0.022 $\chi^2$/NDF:60.7/25

All: -0.057+/-0.016 $\chi^2$/NDF: 101.5/50

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 0.002+/-0.028 $\chi^2$/NDF: 14.3/17

Left Out: -0.081+/-0.017 $\chi^2$/NDF:25.8/23

Right Out: -0.051+/-0.029 $\chi^2$/NDF: 27.6/19

Left In: -0.055+/-0.018 $\chi^2$/NDF:32.2/22

Left: -0.068+/-0.012 $\chi^2$/NDF: 59.1/46

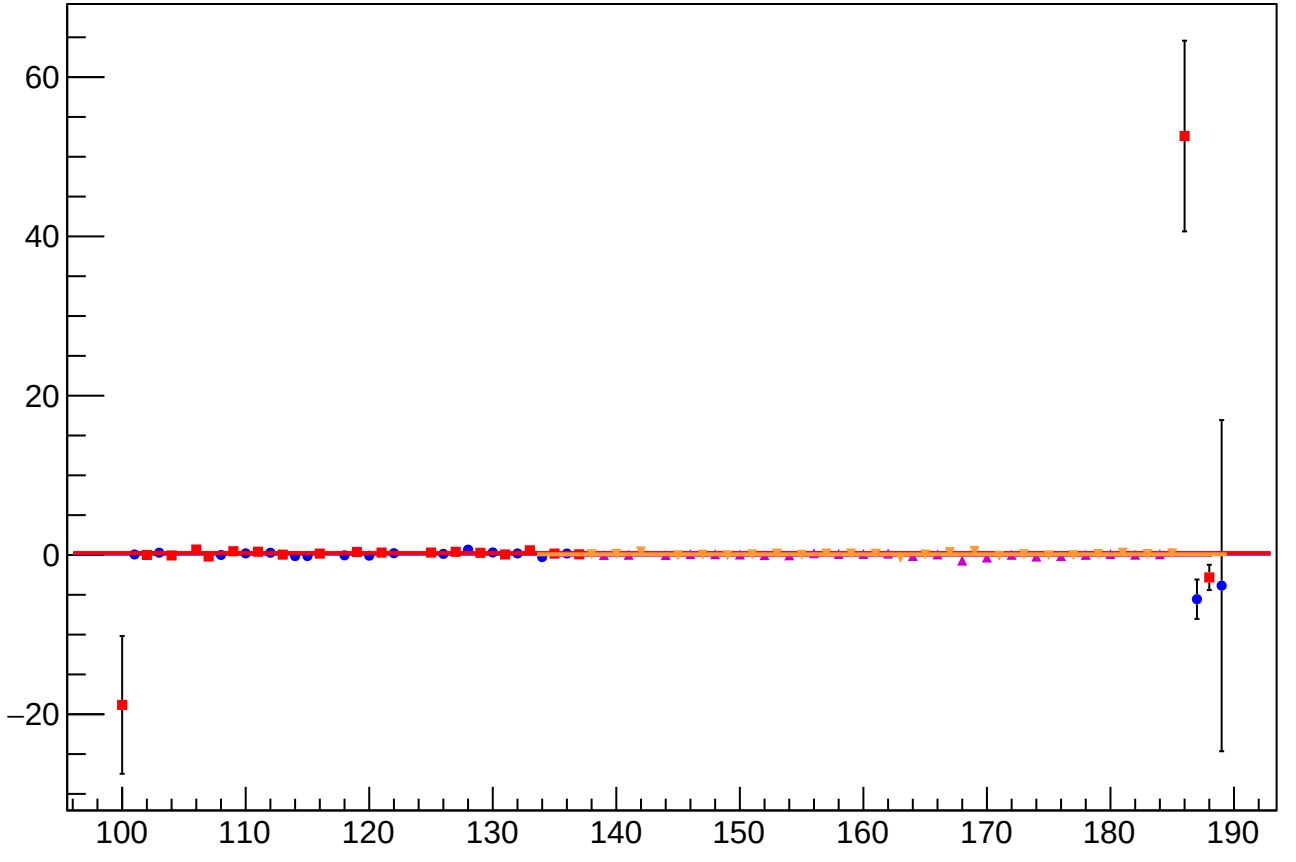
Right: -0.024+/-0.020 $\chi^2$/NDF: 43.6/37

In: -0.039+/-0.015 $\chi^2$/NDF:49.4/40

Out: -0.073+/-0.015 $\chi^2$/NDF:54.2/43

All: -0.056+/-0.011 $\chi^2$/NDF: 106.2/84

# reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 0.168+/-0.052 $\chi^2$/NDF: 19.1/17

Left Out: 0.082+/-0.022 $\chi^2$/NDF:38.7/23

Right Out: 0.236+/-0.054 $\chi^2$/NDF: 44.6/19

Left In: 0.020+/-0.022 $\chi^2$/NDF:34.5/22

Left: 0.051+/-0.016 $\chi^2$/NDF: 77.1/46

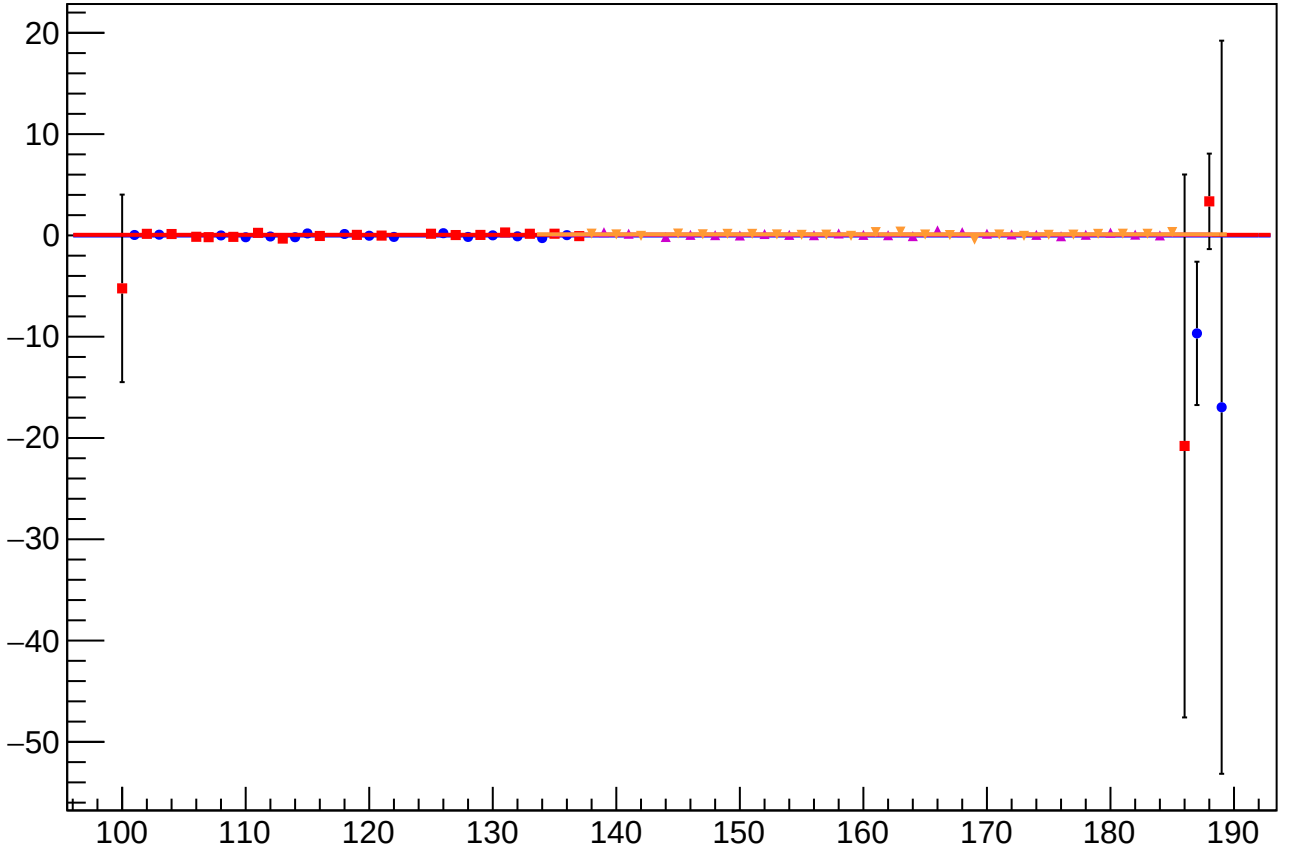
Right: 0.201+/-0.038 $\chi^2$/NDF: 64.5/37

In: 0.043+/-0.020 $\chi^2$/NDF:60.4/40

Out: 0.104+/-0.020 $\chi^2$/NDF:90.4/43

All: 0.073+/-0.014 $\chi^2$/NDF: 155.3/84

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -0.011+/-0.033 $\chi^2$/NDF: 15.8/17

Left Out: 0.105+/-0.020 $\chi^2$/NDF:29.5/23

Right Out: 0.059+/-0.034 $\chi^2$/NDF: 21.7/19

Left In: 0.072+/-0.020 $\chi^2$/NDF:31.7/22

Left: 0.089+/-0.014 $\chi^2$/NDF: 62.6/46

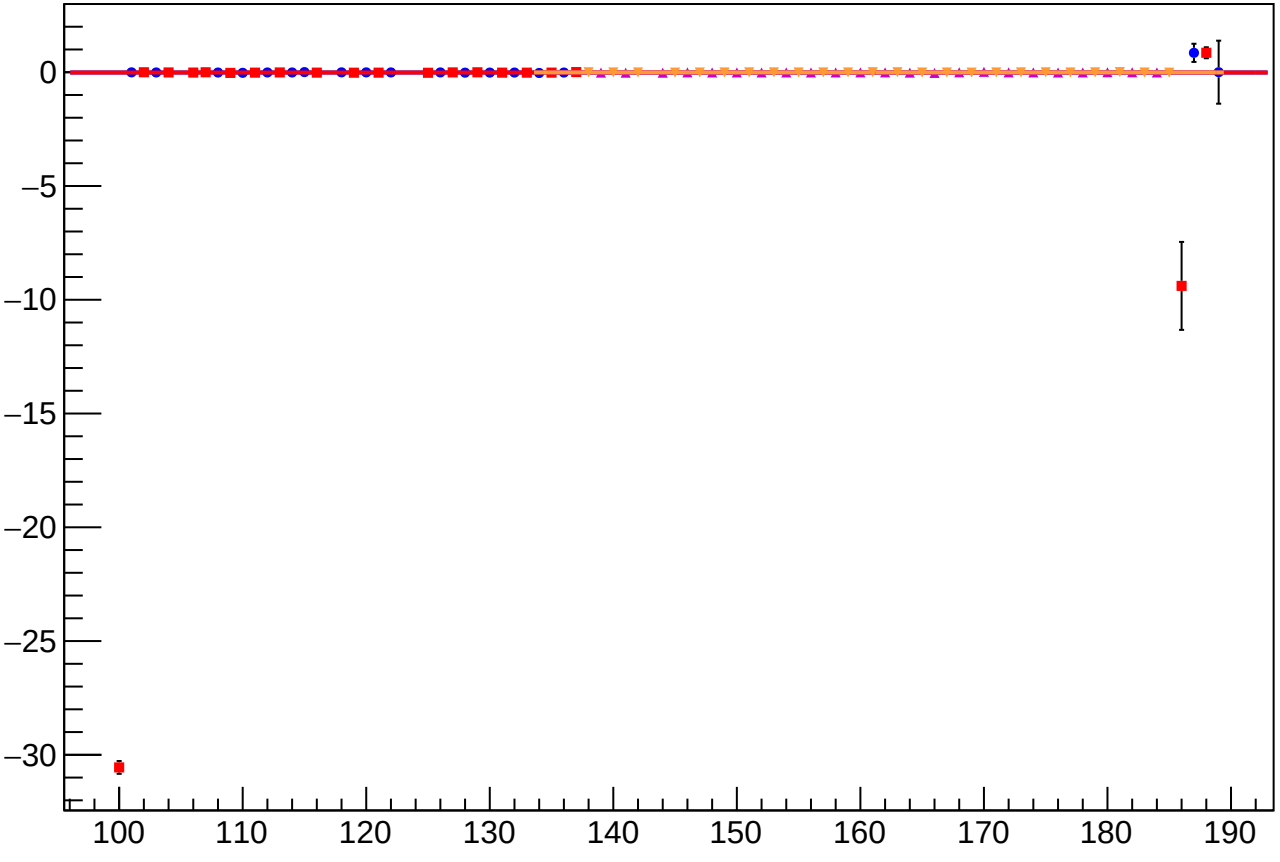
Right: 0.022+/-0.023 $\chi^2$/NDF: 39.7/37

In: 0.050+/-0.017 $\chi^2$/NDF:52.3/40

Out: 0.093+/-0.017 $\chi^2$/NDF:52.6/43

All: 0.071+/-0.012 $\chi^2$/NDF: 108.2/84

# reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.012+/-0.002 $\chi^2$/NDF: 17.6/17

Left Out: -0.008+/-0.001 $\chi^2$/NDF:30.7/23

Right Out: -0.012+/-0.002 $\chi^2$/NDF: 11928.0/19

Left In: -0.009+/-0.001 $\chi^2$/NDF:42.1/22

Left: -0.008+/-0.001 $\chi^2$/NDF: 73.1/46

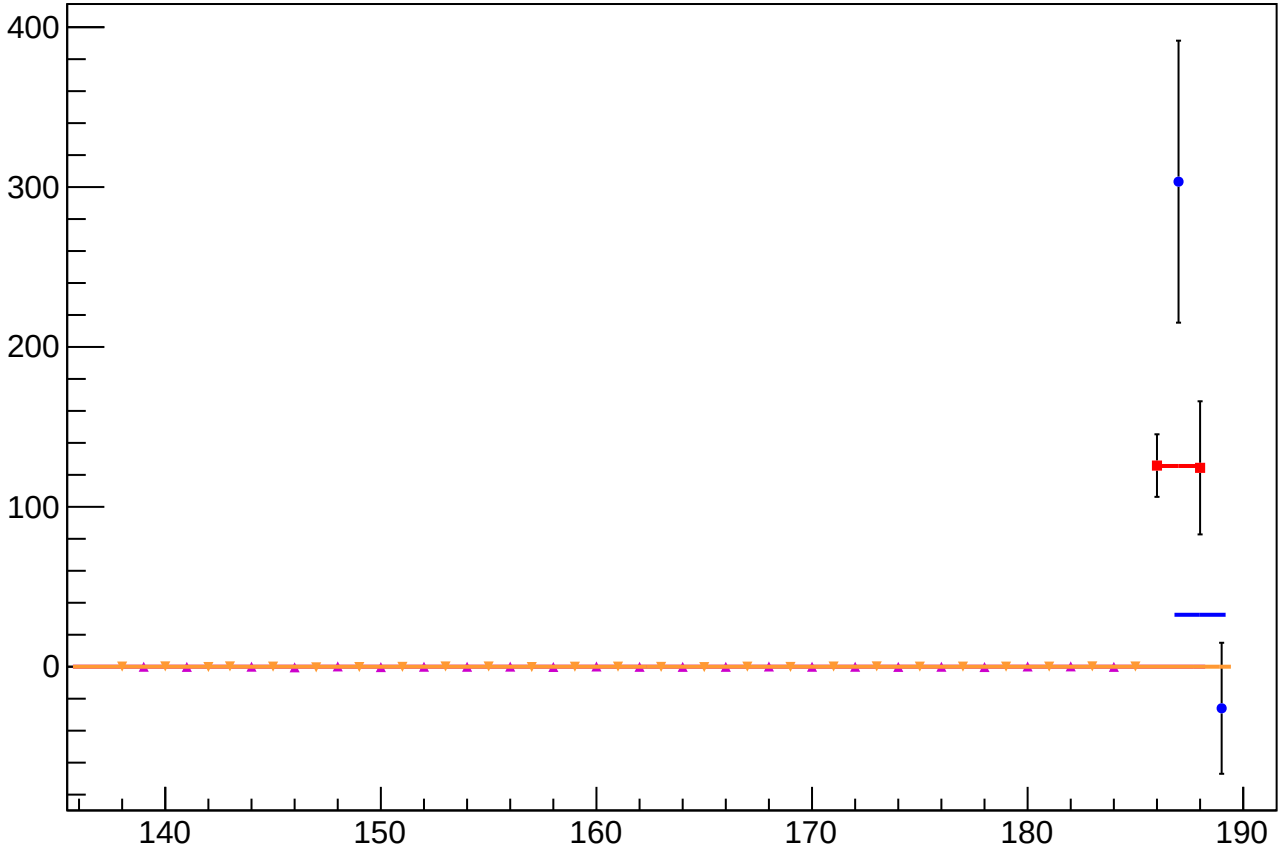
Right: -0.012+/-0.001 $\chi^2$/NDF: 11945.6/37

In: -0.009+/-0.001 $\chi^2$/NDF:61.9/40

Out: -0.009+/-0.001 $\chi^2$/NDF:11962.8/43

All: -0.009+/-0.001 $\chi^2$/NDF: 12024.9/84

# reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 32.486+/-37.161 $\chi^2$/NDF: 11.5/1

Left Out: 0.013+/-0.027 $\chi^2$/NDF:29.2/24

Right Out: 125.551+/-17.712 $\chi^2$/NDF: 0.0/1

Left In: 0.004+/-0.028 $\chi^2$/NDF:28.2/22

Left: 0.009+/-0.019 $\chi^2$/NDF: 57.4/47

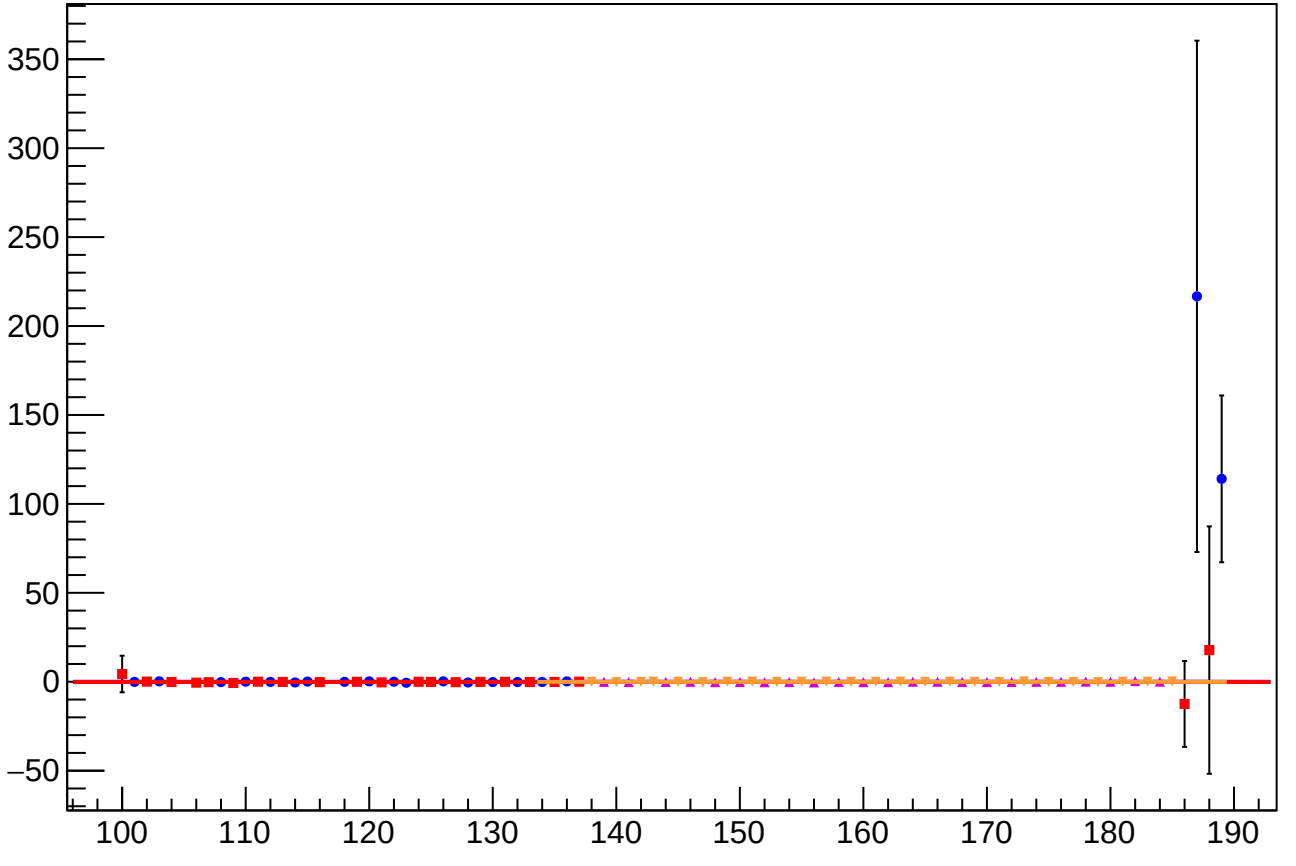
Right: 108.323+/-15.988 $\chi^2$/NDF: 16.6/3

In: 0.004+/-0.028 $\chi^2$/NDF:40.4/24

Out: 0.014+/-0.027 $\chi^2$/NDF:79.4/26

All: 0.009+/-0.019 $\chi^2$/NDF: 119.9/51

# reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -0.024+/-0.037 $\chi^2$/NDF: 31.6/18

Left Out: -0.058+/-0.021 $\chi^2$/NDF:25.4/24

Right Out: -0.128+/-0.039 $\chi^2$/NDF: 17.9/20

Left In: -0.072+/-0.022 $\chi^2$/NDF:48.7/22

Left: -0.064+/-0.015 $\chi^2$/NDF: 74.4/47

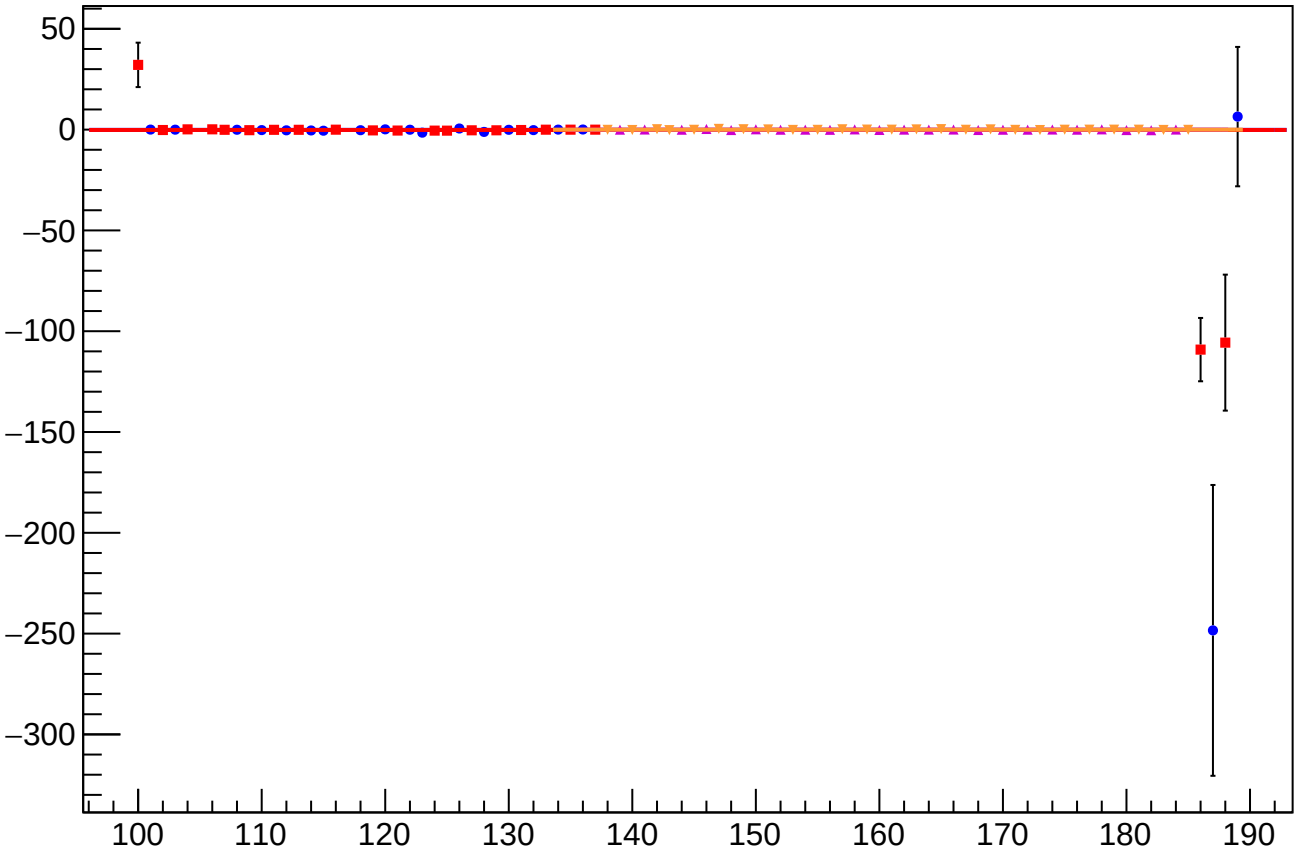
Right: -0.072+/-0.027 $\chi^2$/NDF: 53.2/39

In: -0.059+/-0.019 $\chi^2$/NDF:81.5/41

Out: -0.073+/-0.019 $\chi^2$/NDF:45.8/45

All: -0.066+/-0.013 $\chi^2$/NDF: 127.7/87

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -0.130+/-0.067 $\chi^2$/NDF: 35.6/18

Left Out: -0.015+/-0.027 $\chi^2$/NDF:27.0/24

Right Out: -0.174+/-0.071 $\chi^2$/NDF: 72.9/20

Left In: -0.035+/-0.027 $\chi^2$/NDF:27.7/22

Left: -0.025+/-0.019 $\chi^2$/NDF: 55.0/47

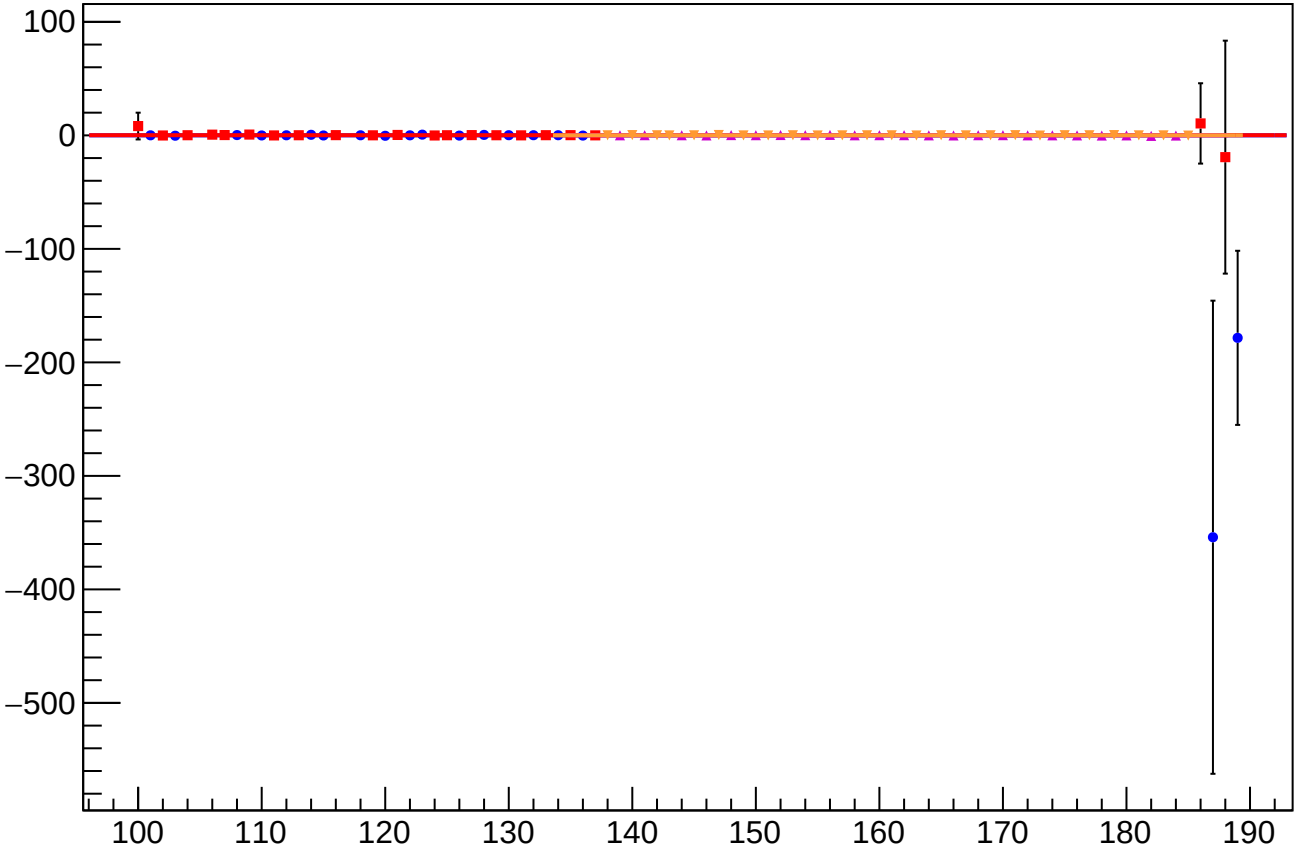
Right: -0.151+/-0.049 $\chi^2$/NDF: 108.8/39

In: -0.048+/-0.025 $\chi^2$/NDF:65.1/41

Out: -0.035+/-0.025 $\chi^2$/NDF:104.3/45

All: -0.042+/-0.018 $\chi^2$/NDF: 169.6/87

# reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 0.021+/-0.042 $\chi^2$/NDF: 30.8/18

Left Out: 0.062+/-0.024 $\chi^2$/NDF:25.0/24

Right Out: 0.152+/-0.045 $\chi^2$/NDF: 16.4/20

Left In: 0.069+/-0.025 $\chi^2$/NDF:51.4/22

Left: 0.065+/-0.017 $\chi^2$/NDF: 76.5/47

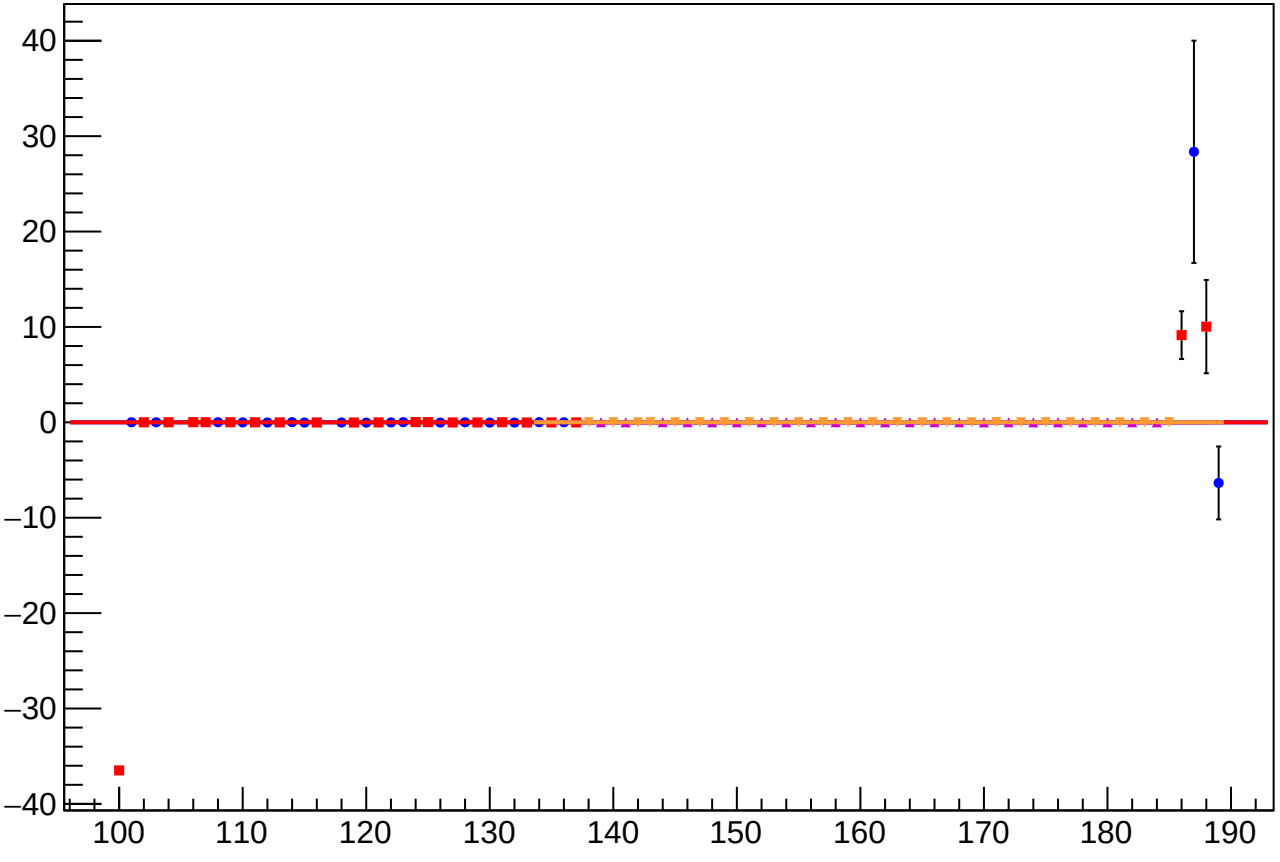
Right: 0.082+/-0.031 $\chi^2$/NDF: 51.6/39

In: 0.057+/-0.021 $\chi^2$/NDF:83.2/41

Out: 0.081+/-0.021 $\chi^2$/NDF:44.5/45

All: 0.069+/-0.015 $\chi^2$/NDF: 128.4/87

# reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.001+/-0.002 $\chi^2$/NDF: 41.1/18

Left Out: 0.008+/-0.001 $\chi^2$/NDF:25.9/24

Right Out: 0.001+/-0.002 $\chi^2$/NDF: 10466.6/20

Left In: 0.009+/-0.001 $\chi^2$/NDF:15.8/22

Left: 0.009+/-0.001 $\chi^2$/NDF: 42.0/47

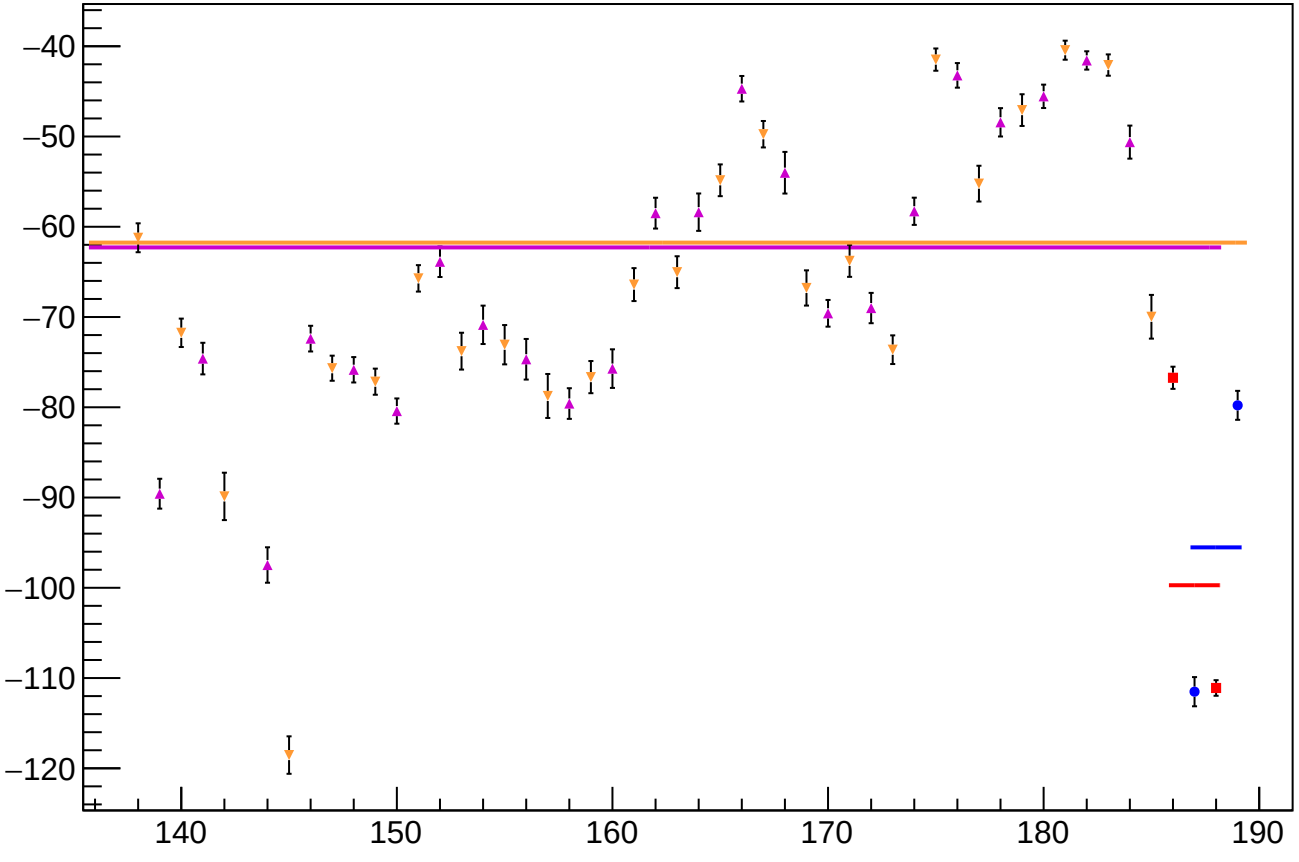
Right: 0.001+/-0.002 $\chi^2$/NDF: 10507.7/39

In: 0.008+/-0.001 $\chi^2$/NDF:67.0/41

Out: 0.007+/-0.001 $\chi^2$/NDF:10500.9/45

All: 0.007+/-0.001 $\chi^2$/NDF: 10568.1/87

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -95.522+/-1.139 $\chi^2$/NDF: 193.9/1

Left Out: -61.756+/-0.334 $\chi^2$/NDF:2509.2/23

Right Out: -99.717+/-0.707 $\chi^2$/NDF: 524.0/1

Left In: -62.290+/-0.331 $\chi^2$/NDF:2265.0/22

Left: -62.025+/-0.235 $\chi^2$/NDF: 4775.5/46

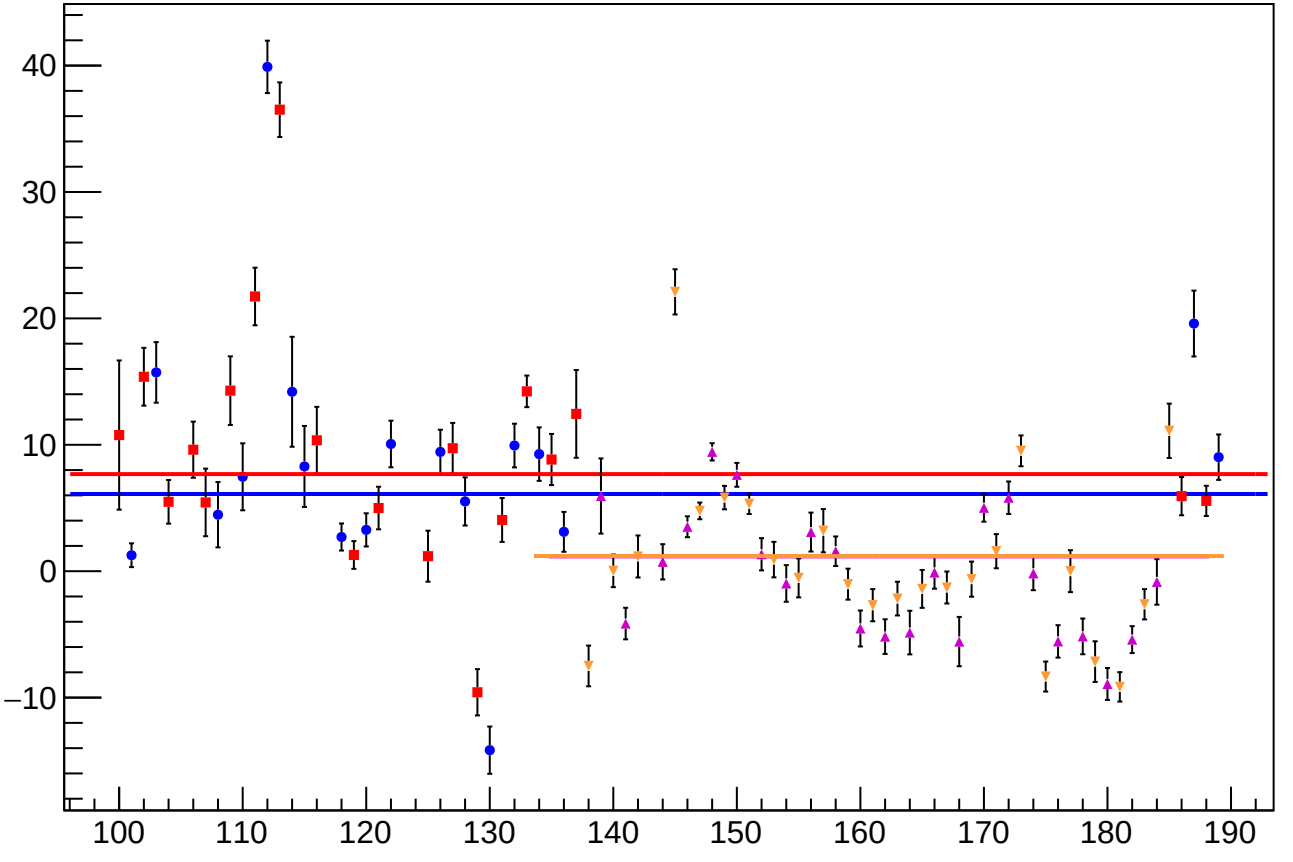
Right: -98.552+/-0.600 $\chi^2$/NDF: 727.7/3

In: -64.880+/-0.318 $\chi^2$/NDF:3243.6/24

Out: -68.683+/-0.302 $\chi^2$/NDF:5393.0/25

All: -66.880+/-0.219 $\chi^2$/NDF: 8711.9/50

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 6.108+/-0.407 $\chi^2$/NDF: 493.8/17

Left Out: 1.197+/-0.252 $\chi^2$/NDF:526.1/23

Right Out: 7.681+/-0.408 $\chi^2$/NDF: 413.2/19

Left In: 1.171+/-0.255 $\chi^2$/NDF:466.2/22

Left: 1.184+/-0.179 $\chi^2$/NDF: 992.3/46

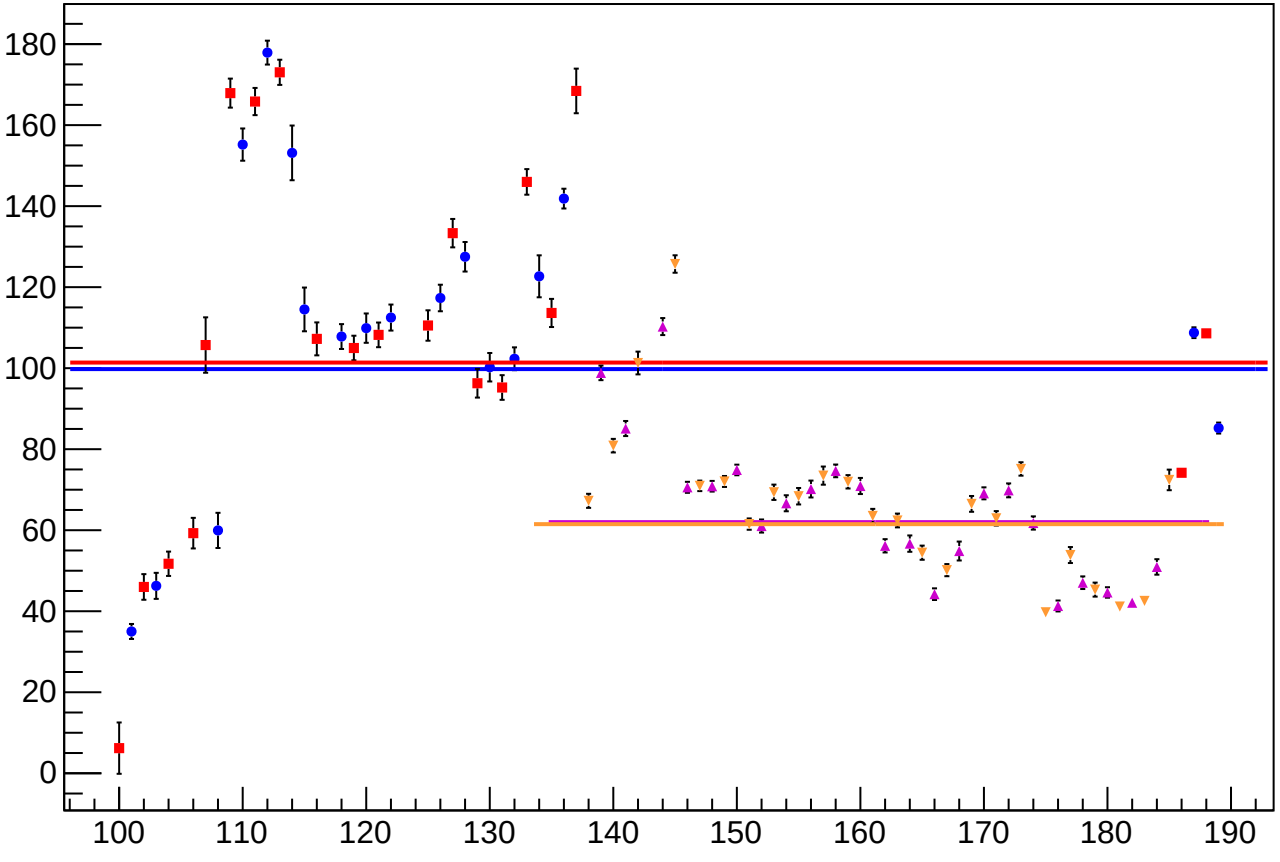
Right: 6.892+/-0.288 $\chi^2$/NDF: 914.4/37

In: 2.560+/-0.216 $\chi^2$/NDF:1065.7/40

Out: 2.990+/-0.215 $\chi^2$/NDF:1121.6/43

All: 2.776+/-0.152 $\chi^2$/NDF: 2189.3/84

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 99.774+/-0.615 $\chi^2$/NDF: 3145.5/17

Left Out: 61.496+/-0.332 $\chi^2$/NDF:2610.2/23

Right Out: 101.386+/-0.469 $\chi^2$/NDF: 3517.7/19

Left In: 61.995+/-0.329 $\chi^2$/NDF:2517.6/22

Left: 61.748+/-0.234 $\chi^2$/NDF: 5129.0/46

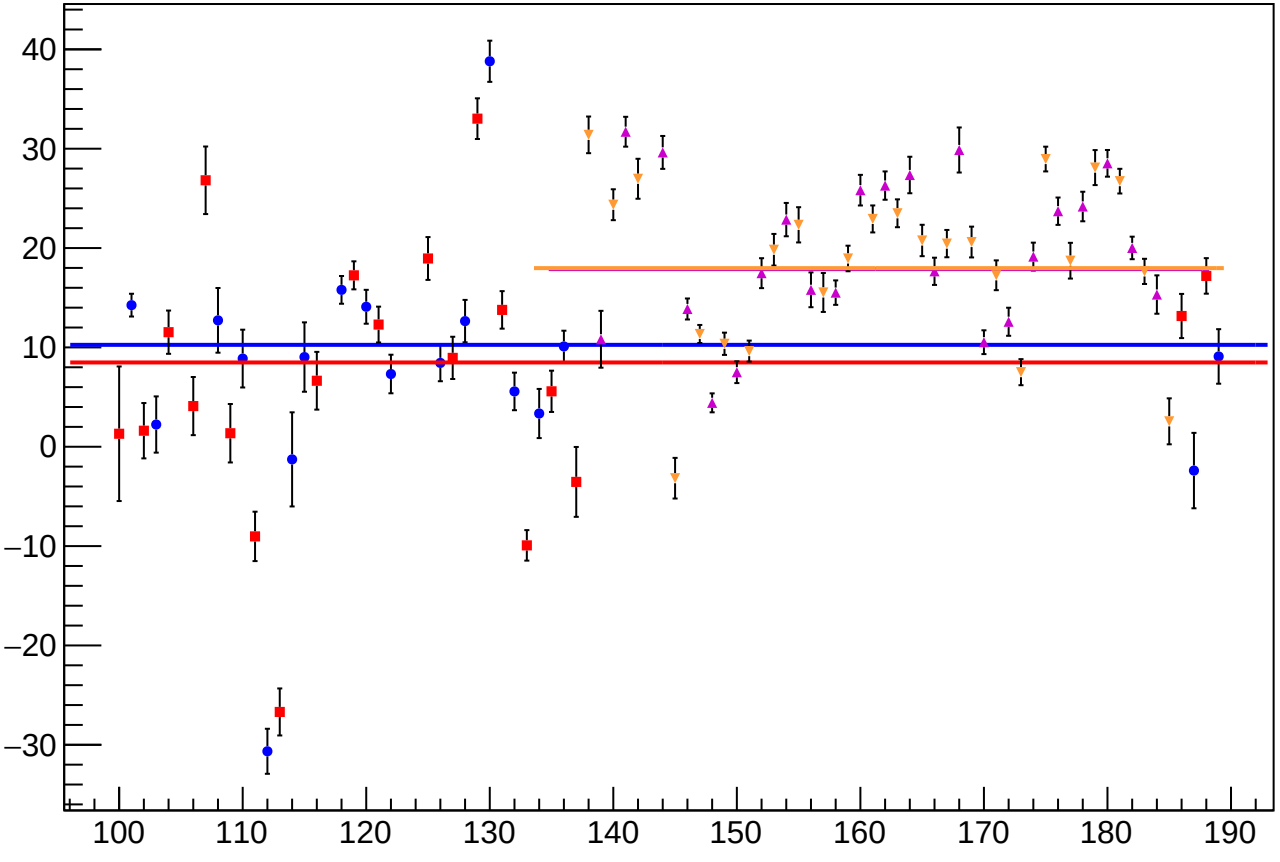
Right: 100.792+/-0.373 $\chi^2$/NDF: 6667.6/37

In: 70.408+/-0.290 $\chi^2$/NDF:8600.5/40

Out: 74.825+/-0.271 $\chi^2$/NDF:10943.5/43

All: 72.765+/-0.198 $\chi^2$/NDF: 19667.8/84

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 10.258+/-0.480 $\chi^2$/NDF: 593.1/17

Left Out: 17.979+/-0.291 $\chi^2$/NDF:674.8/23

Right Out: 8.485+/-0.490 $\chi^2$/NDF: 721.2/19

Left In: 17.881+/-0.292 $\chi^2$/NDF:730.9/22

Left: 17.930+/-0.206 $\chi^2$/NDF: 1405.8/46

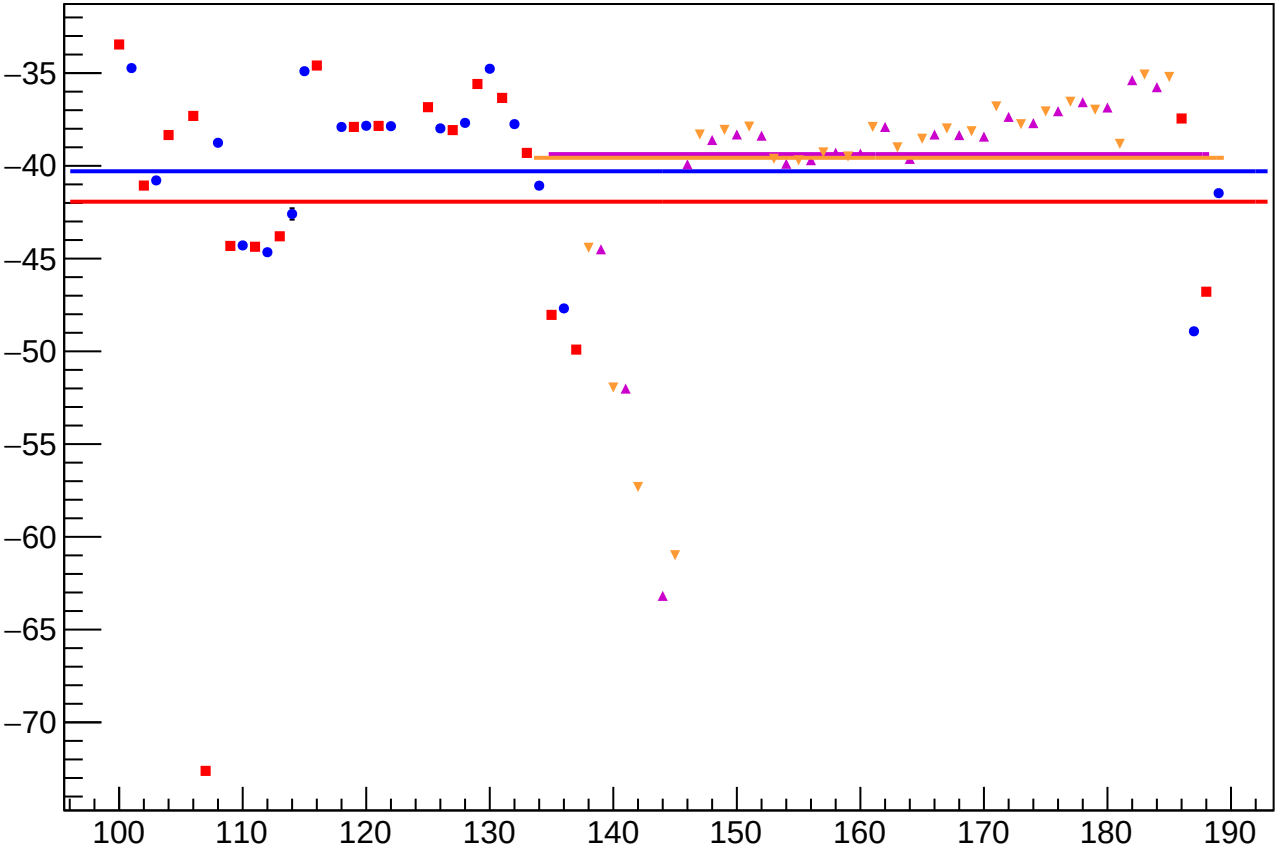
Right: 9.389+/-0.343 $\chi^2$/NDF: 1320.9/37

In: 15.828+/-0.249 $\chi^2$/NDF:1508.0/40

Out: 15.510+/-0.250 $\chi^2$/NDF:1673.3/43

All: 15.670+/-0.177 $\chi^2$/NDF: 3182.0/84

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -40.293+/-0.027 $\chi^2$/NDF: 26891.4/17

Left Out: -39.567+/-0.014 $\chi^2$/NDF:141152.0/23

Right Out: -41.933+/-0.027 $\chi^2$/NDF: 65491.8/19

Left In: -39.368+/-0.014 $\chi^2$/NDF:117958.1/22

Left: -39.466+/-0.010 $\chi^2$/NDF: 259216.7/46

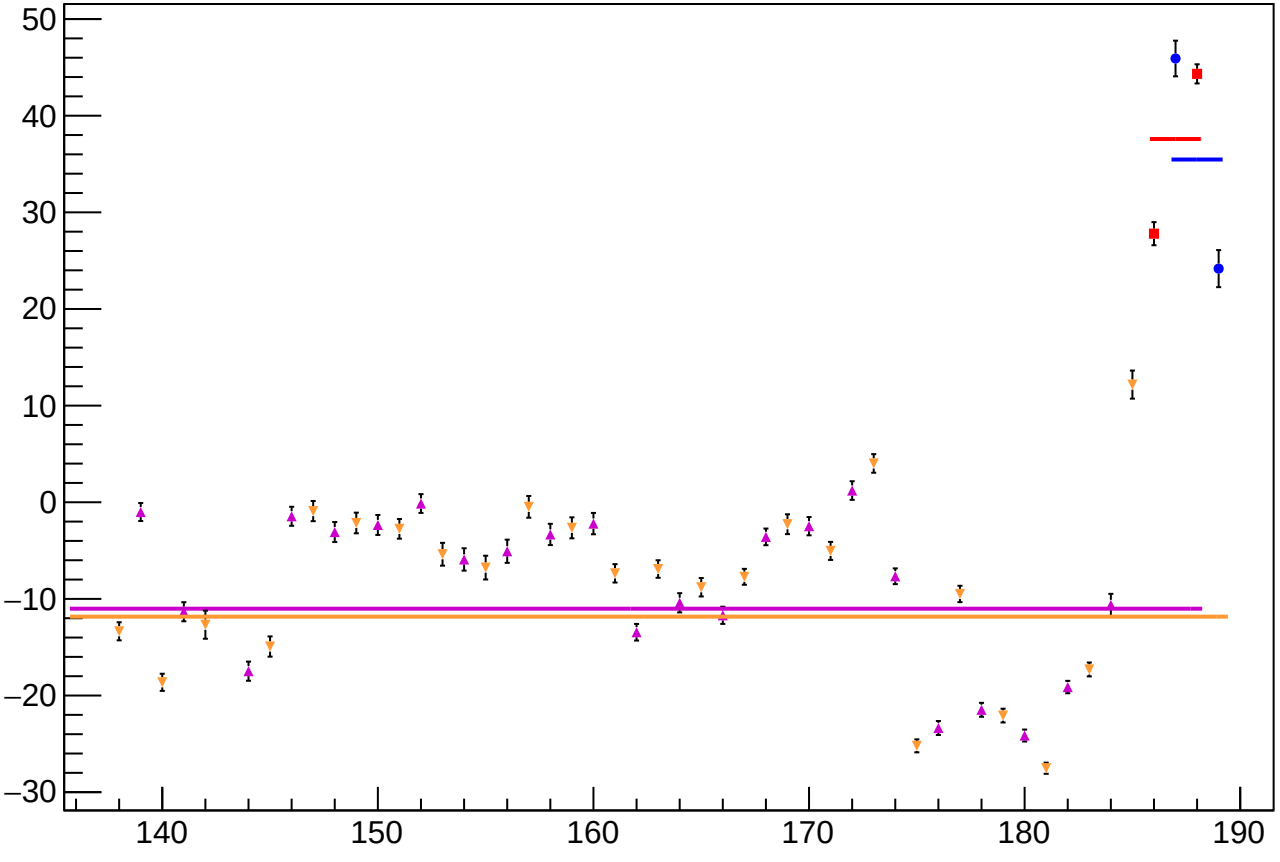
Right: -41.123+/-0.019 $\chi^2$/NDF: 94219.1/37

In: -39.551+/-0.012 $\chi^2$/NDF:145774.4/40

Out: -40.056+/-0.012 $\chi^2$/NDF:212781.9/43

All: -39.802+/-0.009 $\chi^2$/NDF: 359415.8/84

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 35.466+/-1.329 $\chi^2$/NDF: 66.8/1

Left Out: -11.837+/-0.187 $\chi^2$/NDF:2742.4/23

Right Out: 37.587+/-0.762 $\chi^2$/NDF: 113.8/1

Left In: -11.014+/-0.187 $\chi^2$/NDF:2116.6/22

Left: -11.426+/-0.132 $\chi^2$/NDF: 4868.7/46

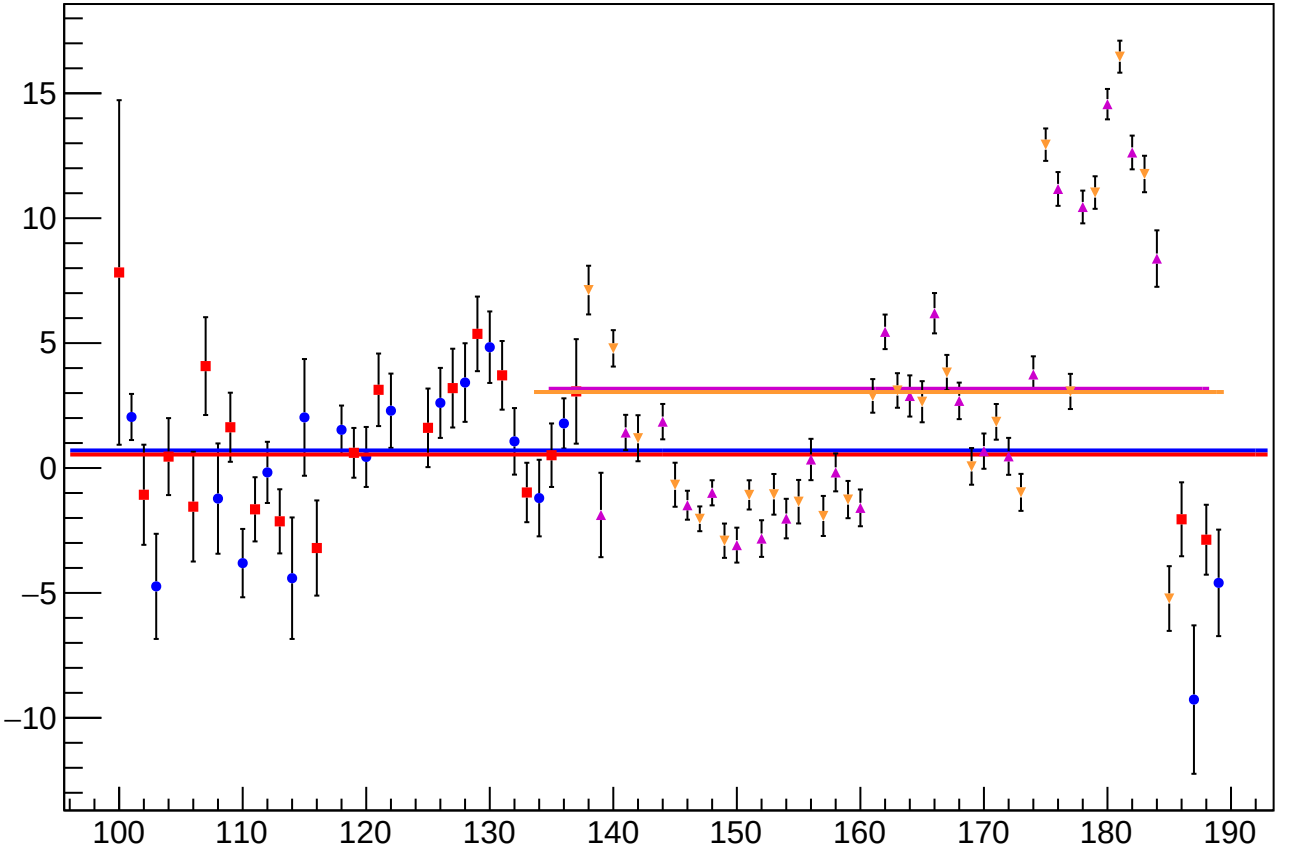
Right: 37.063+/-0.661 $\chi^2$/NDF: 182.5/3

In: -10.111+/-0.185 $\chi^2$/NDF:3382.0/24

Out: -9.035+/-0.181 $\chi^2$/NDF:6825.1/25

All: -9.561+/-0.130 $\chi^2$/NDF: 10224.3/50

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 0.703+/-0.332 $\chi^2$/NDF: 61.0/17

Left Out: 3.042+/-0.148 $\chi^2$/NDF:1452.6/23

Right Out: 0.540+/-0.334 $\chi^2$/NDF: 52.0/19

Left In: 3.172+/-0.150 $\chi^2$/NDF:1297.9/22

Left: 3.106+/-0.105 $\chi^2$/NDF: 2750.9/46

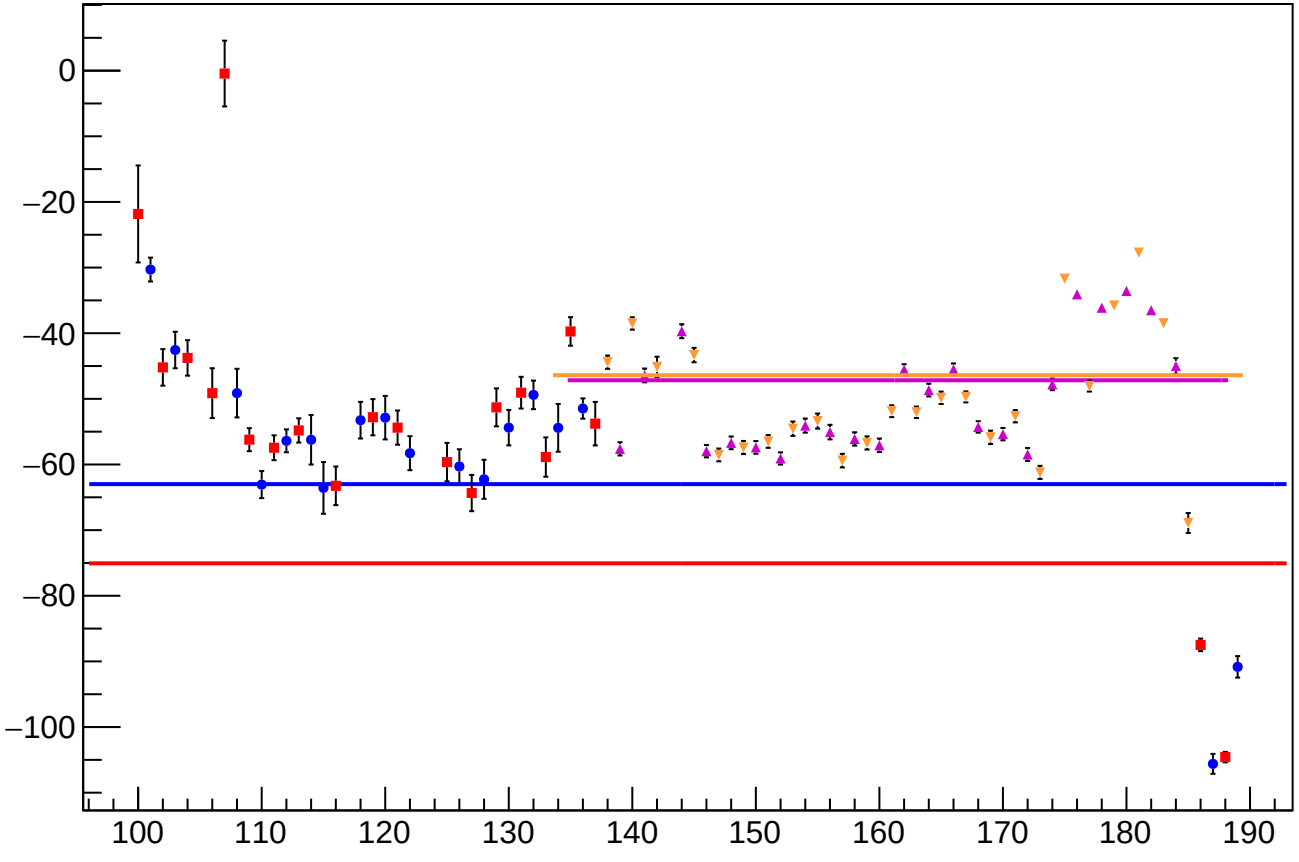
Right: 0.622+/-0.235 $\chi^2$/NDF: 113.2/37

In: 2.755+/-0.136 $\chi^2$/NDF:1404.9/40

Out: 2.633+/-0.135 $\chi^2$/NDF:1551.5/43

All: 2.693+/-0.096 $\chi^2$/NDF: 2956.9/84

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -62.993+/-0.536 $\chi^2$/NDF: 1624.6/17

Left Out: -46.398+/-0.187 $\chi^2$/NDF:3289.4/23

Right Out: -75.061+/-0.434 $\chi^2$/NDF: 3133.5/19

Left In: -47.170+/-0.186 $\chi^2$/NDF:2526.3/22

Left: -46.784+/-0.132 $\chi^2$/NDF: 5824.3/46

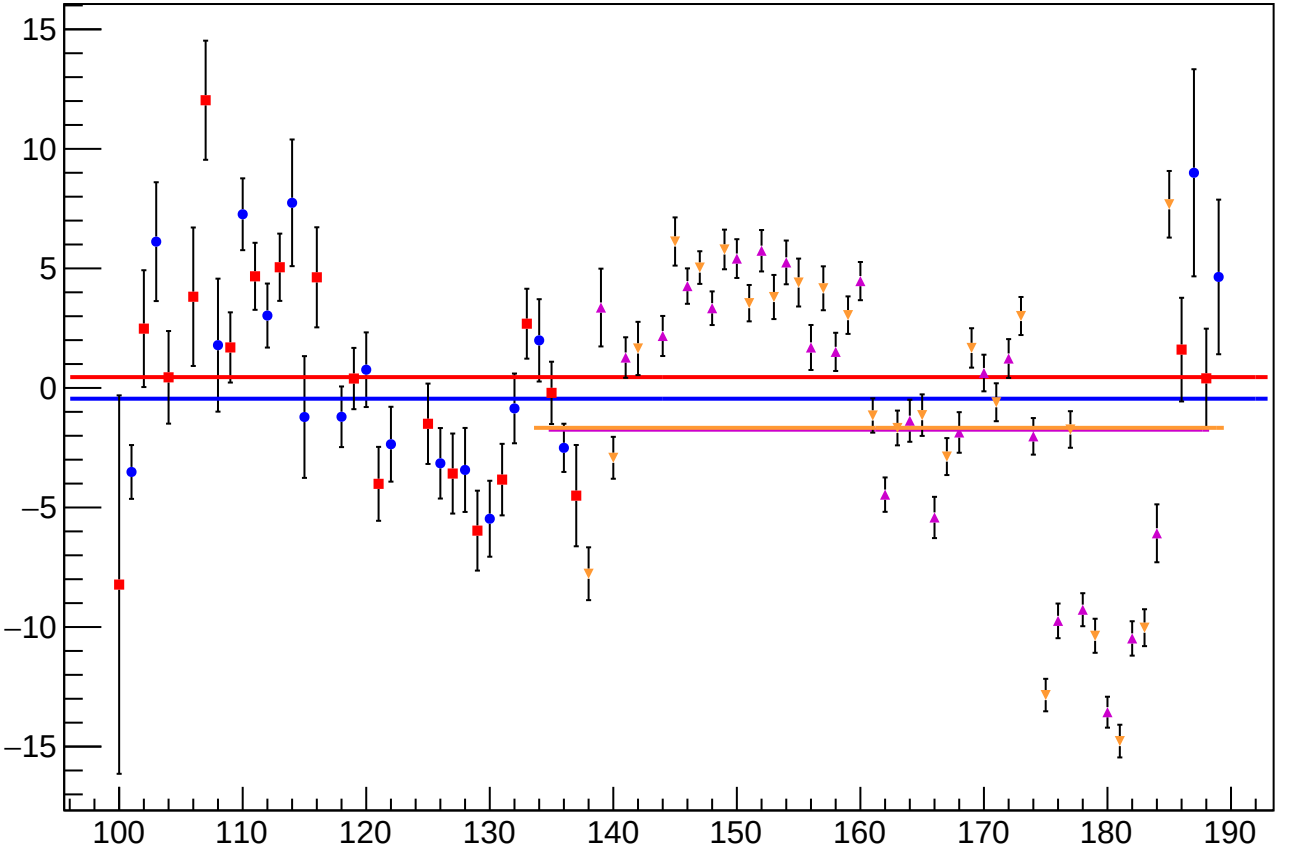
Right: -70.277+/-0.338 $\chi^2$/NDF: 5064.0/37

In: -48.878+/-0.176 $\chi^2$/NDF:4928.1/40

Out: -50.859+/-0.171 $\chi^2$/NDF:10097.9/43

All: -49.895+/-0.123 $\chi^2$/NDF: 15091.0/84

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -0.450+/-0.380 $\chi^2$/NDF: 90.0/17

Left Out: -1.668+/-0.167 $\chi^2$/NDF:1479.3/23

Right Out: 0.453+/-0.386 $\chi^2$/NDF: 96.1/19

Left In: -1.746+/-0.168 $\chi^2$/NDF:1254.1/22

Left: -1.707+/-0.119 $\chi^2$/NDF: 2733.5/46

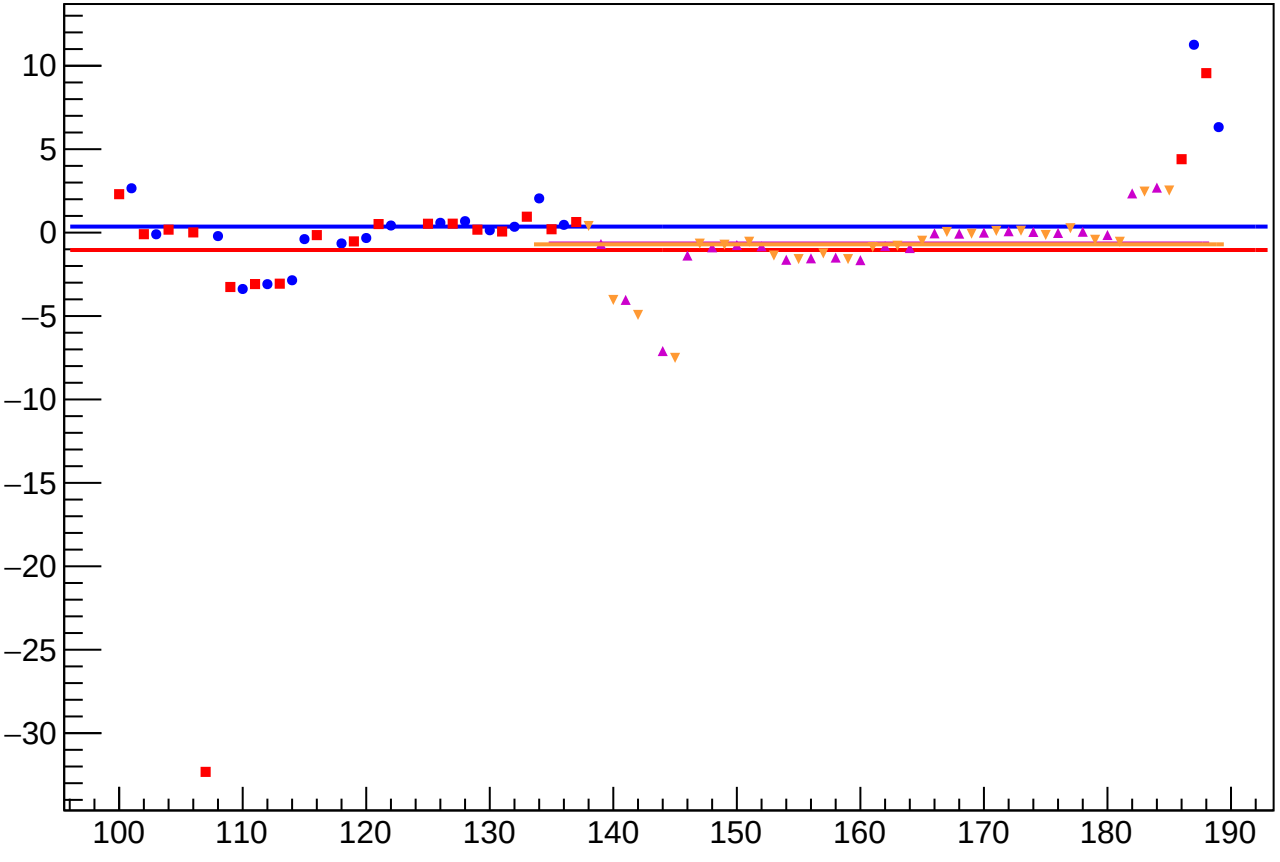
Right: -0.006+/-0.271 $\chi^2$/NDF: 188.8/37

In: -1.533+/-0.154 $\chi^2$/NDF:1353.8/40

Out: -1.334+/-0.153 $\chi^2$/NDF:1600.8/43

All: -1.433+/-0.109 $\chi^2$/NDF: 2955.5/84

reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.361+/-0.021 $\chi^2$/NDF: 9273.7/17

Left Out: -0.703+/-0.008 $\chi^2$/NDF:53770.3/23

Right Out: -1.042+/-0.021 $\chi^2$/NDF: 90542.7/19

Left In: -0.651+/-0.008 $\chi^2$/NDF:44167.1/22

Left: -0.677+/-0.005 $\chi^2$/NDF: 97959.9/46

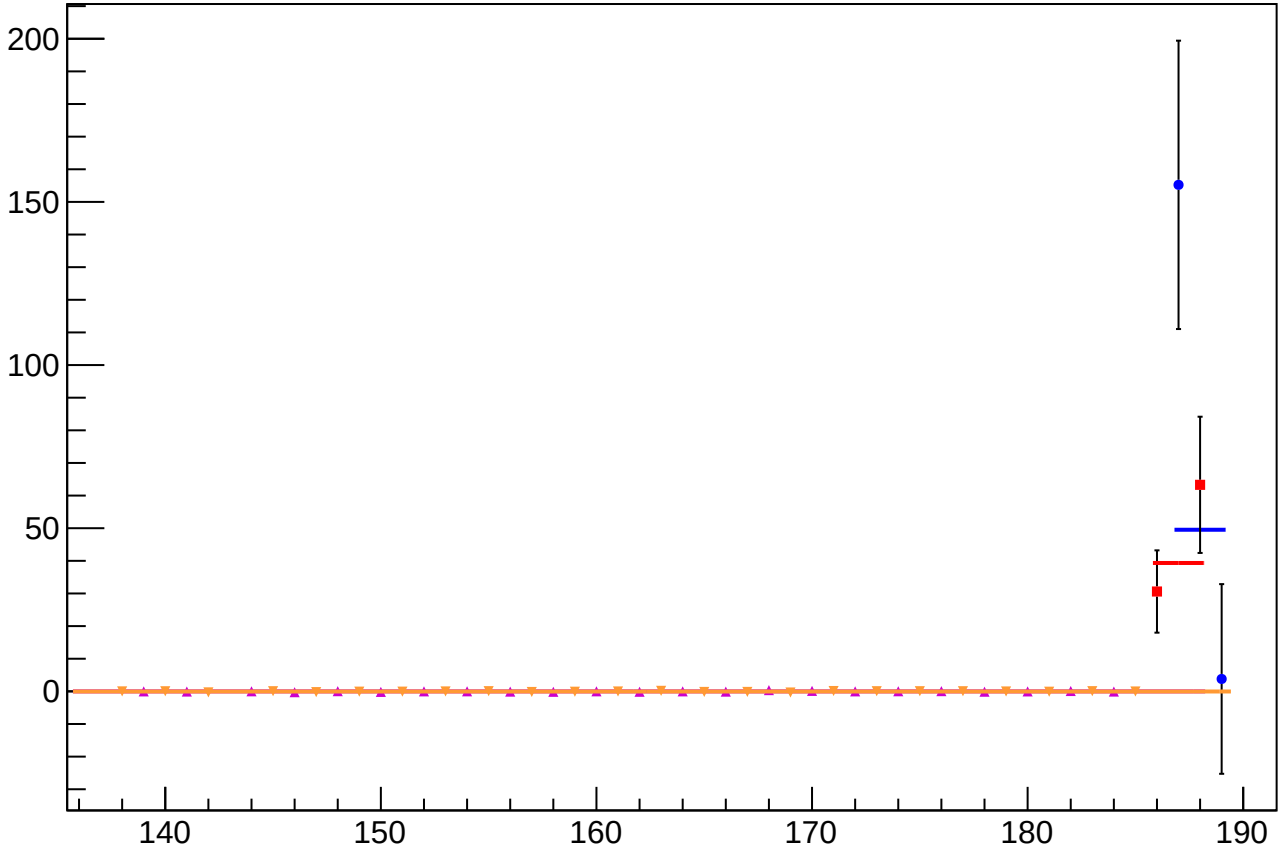
Right: -0.342+/-0.015 $\chi^2$/NDF: 102019.0/37

In: -0.535+/-0.007 $\chi^2$/NDF:55466.7/40

Out: -0.742+/-0.007 $\chi^2$/NDF:144541.4/43

All: -0.638+/-0.005 $\chi^2$/NDF: 200423.9/84

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 49.527+/-24.282 $\chi^2$/NDF: 8.2/1

Left Out: -0.038+/-0.018 $\chi^2$/NDF:35.6/23

Right Out: 39.344+/-10.795 $\chi^2$/NDF: 1.8/1

Left In: -0.009+/-0.018 $\chi^2$/NDF:35.3/22

Left: -0.024+/-0.013 $\chi^2$/NDF: 72.1/46

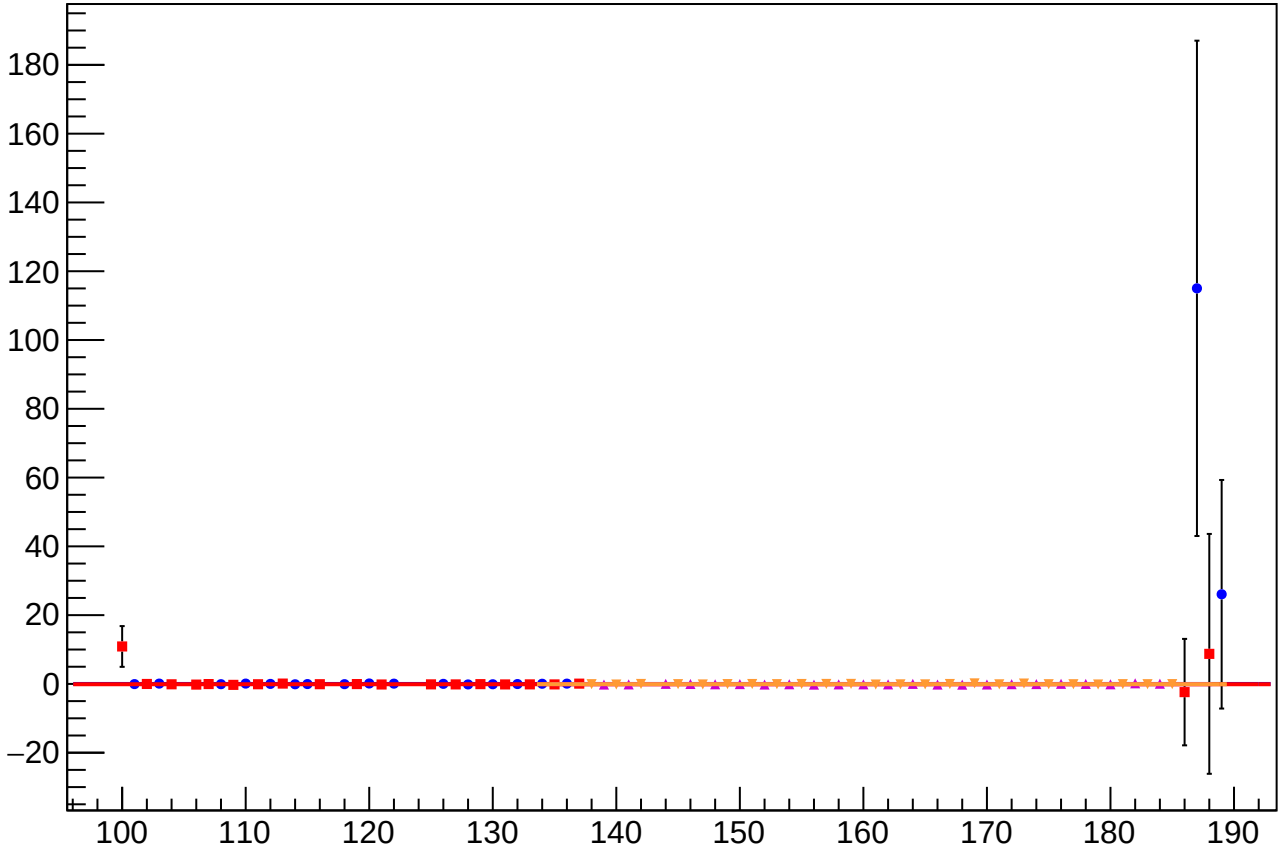
Right: 41.025+/-9.864 $\chi^2$/NDF: 10.1/3

In: -0.009+/-0.018 $\chi^2$/NDF:47.6/24

Out: -0.038+/-0.018 $\chi^2$/NDF:50.7/25

All: -0.024+/-0.013 $\chi^2$/NDF: 99.6/50

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -0.013+/-0.023 $\chi^2$/NDF: 15.4/17

Left Out: -0.073+/-0.014 $\chi^2$/NDF:27.8/23

Right Out: -0.092+/-0.025 $\chi^2$/NDF: 12.8/19

Left In: -0.065+/-0.014 $\chi^2$/NDF:40.4/22

Left: -0.069+/-0.010 $\chi^2$/NDF: 68.3/46

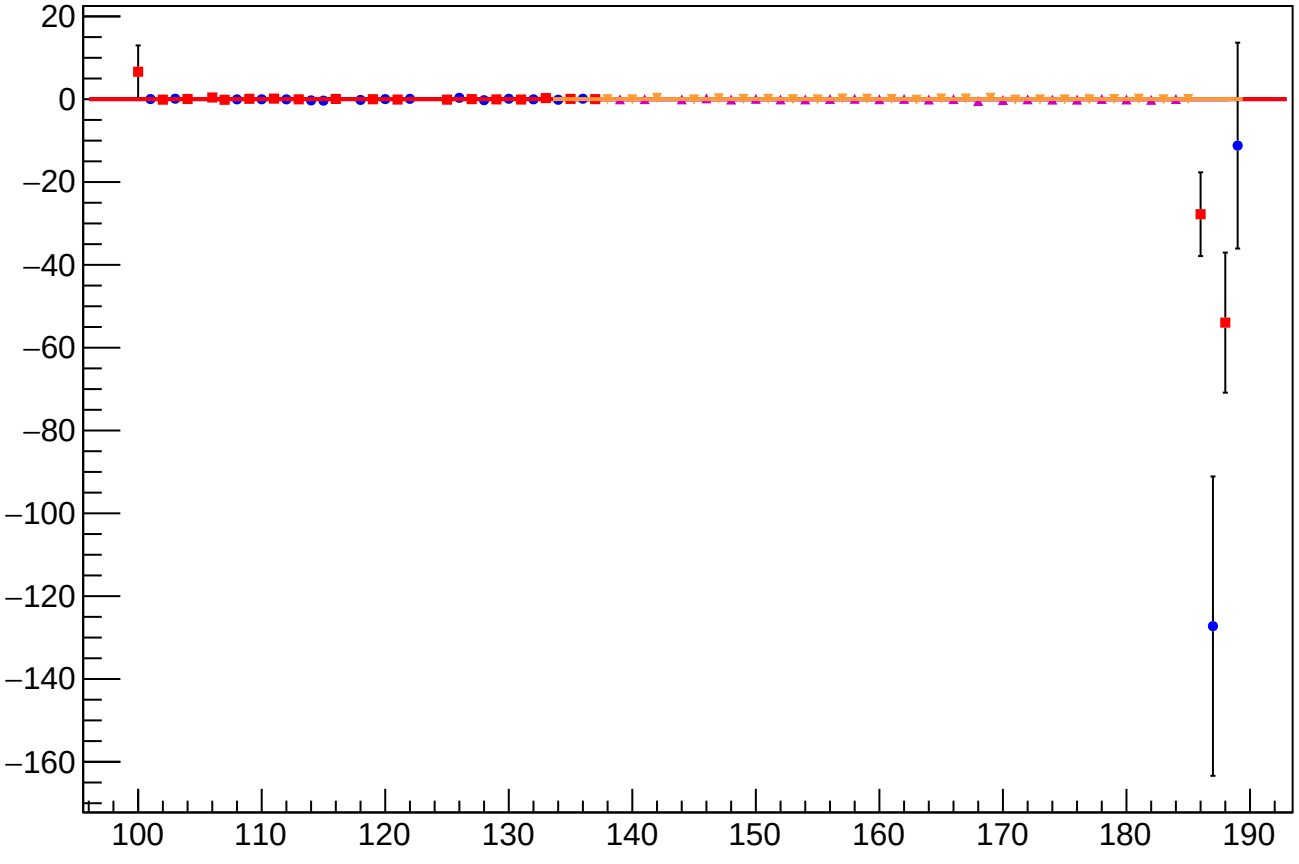
Right: -0.050+/-0.017 $\chi^2$/NDF: 33.6/37

In: -0.051+/-0.012 $\chi^2$/NDF:59.5/40

Out: -0.078+/-0.012 $\chi^2$/NDF:41.0/43

All: -0.064+/-0.009 $\chi^2$/NDF: 102.8/84

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 0.017+/-0.043 $\chi^2$/NDF: 22.2/17

Left Out: 0.036+/-0.018 $\chi^2$/NDF:32.4/23

Right Out: 0.029+/-0.045 $\chi^2$/NDF: 27.0/19

Left In: -0.010+/-0.018 $\chi^2$/NDF:37.1/22

Left: 0.013+/-0.013 $\chi^2$/NDF: 72.8/46

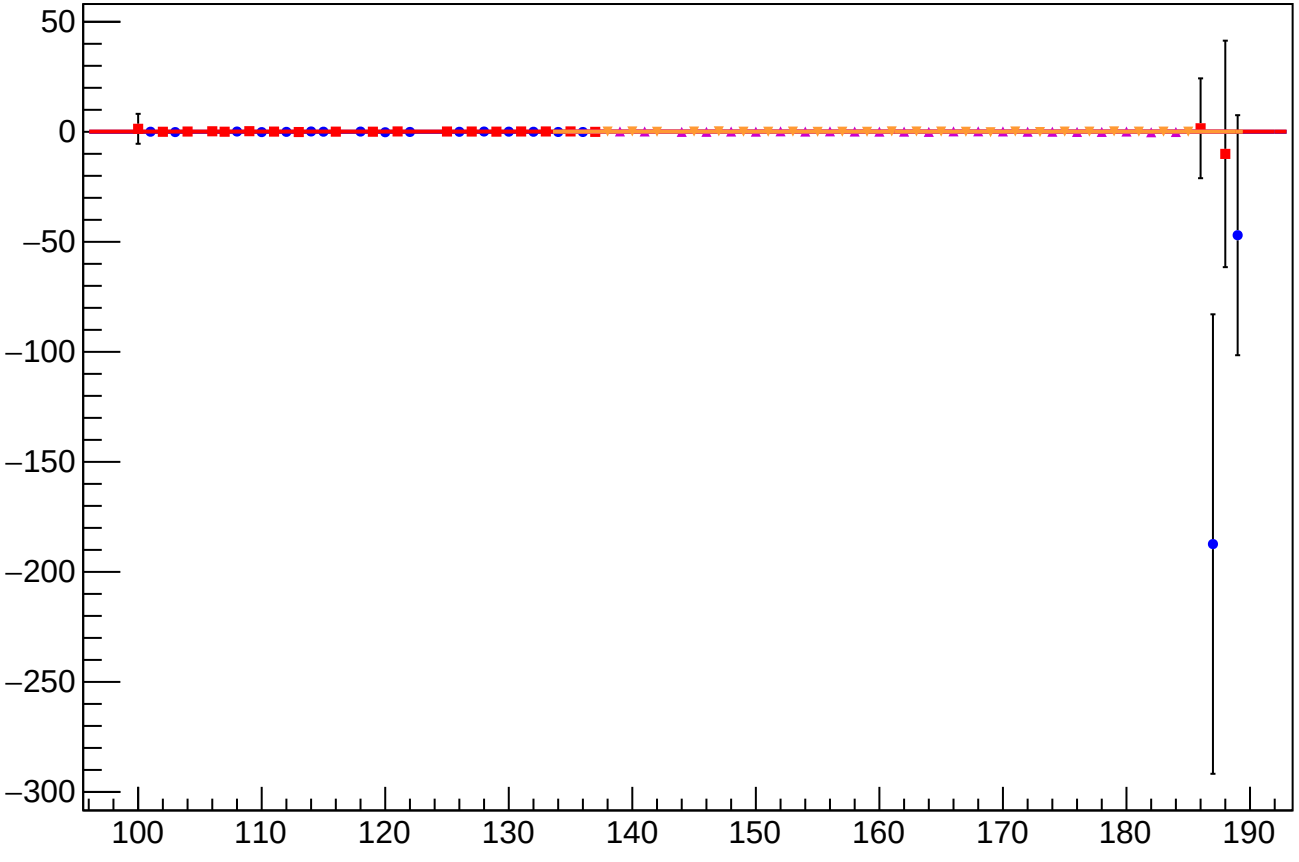
Right: 0.023+/-0.031 $\chi^2$/NDF: 49.2/37

In: -0.006+/-0.017 $\chi^2$/NDF:59.7/40

Out: 0.035+/-0.017 $\chi^2$/NDF:59.4/43

All: 0.014+/-0.012 $\chi^2$/NDF: 122.1/84

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 0.007+/-0.027 $\chi^2$/NDF: 16.1/17

Left Out: 0.086+/-0.016 $\chi^2$/NDF:27.8/23

Right Out: 0.110+/-0.029 $\chi^2$/NDF: 8.0/19

Left In: 0.071+/-0.016 $\chi^2$/NDF:44.0/22

Left: 0.079+/-0.011 $\chi^2$/NDF: 72.1/46

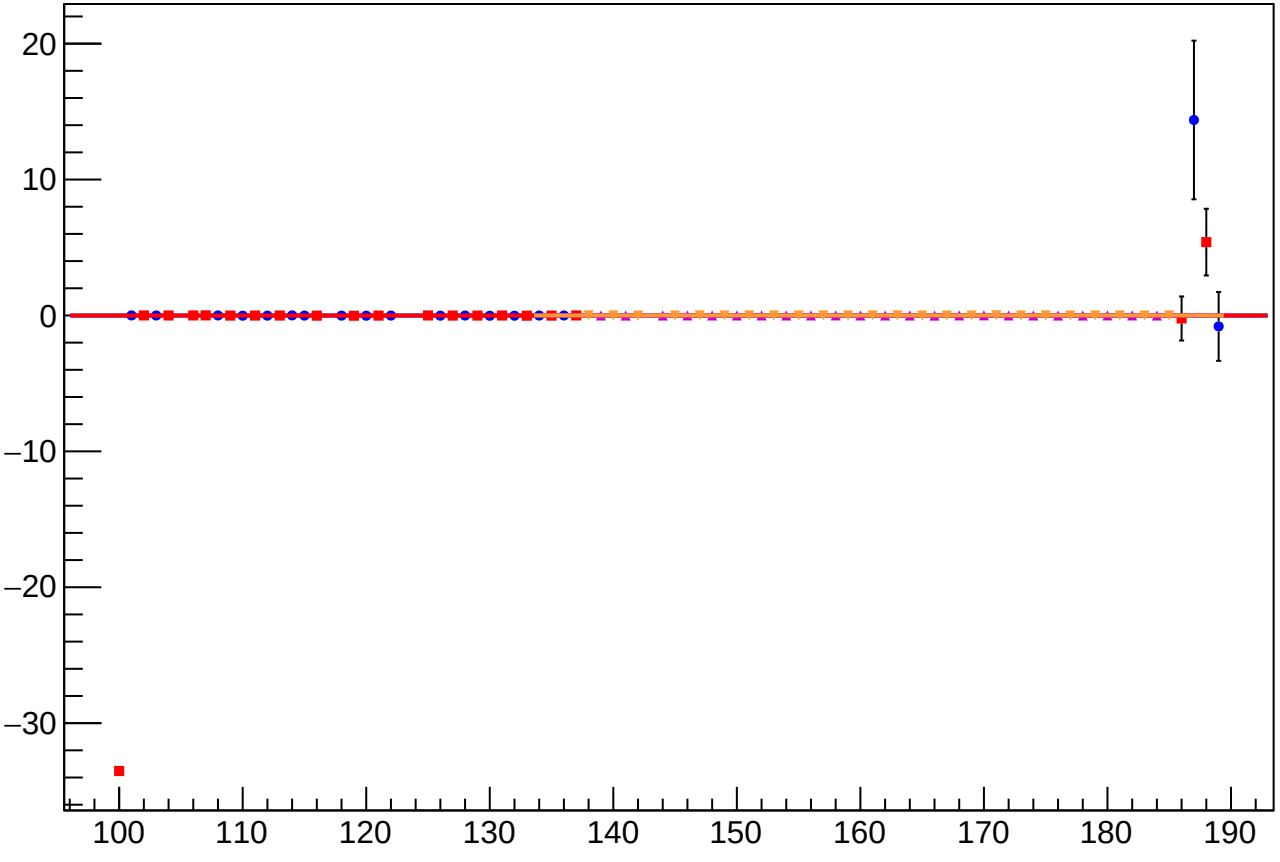
Right: 0.055+/-0.020 $\chi^2$/NDF: 31.0/37

In: 0.054+/-0.014 $\chi^2$/NDF:64.2/40

Out: 0.092+/-0.014 $\chi^2$/NDF:36.3/43

All: 0.073+/-0.010 $\chi^2$/NDF: 104.2/84

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.005+/-0.001 $\chi^2$/NDF: 28.8/17

Left Out: 0.000+/-0.001 $\chi^2$/NDF:23.9/23

Right Out: -0.006+/-0.001 $\chi^2$/NDF: 26513.8/19

Left In: 0.000+/-0.001 $\chi^2$/NDF:22.4/22

Left: 0.000+/-0.001 $\chi^2$/NDF: 46.3/46

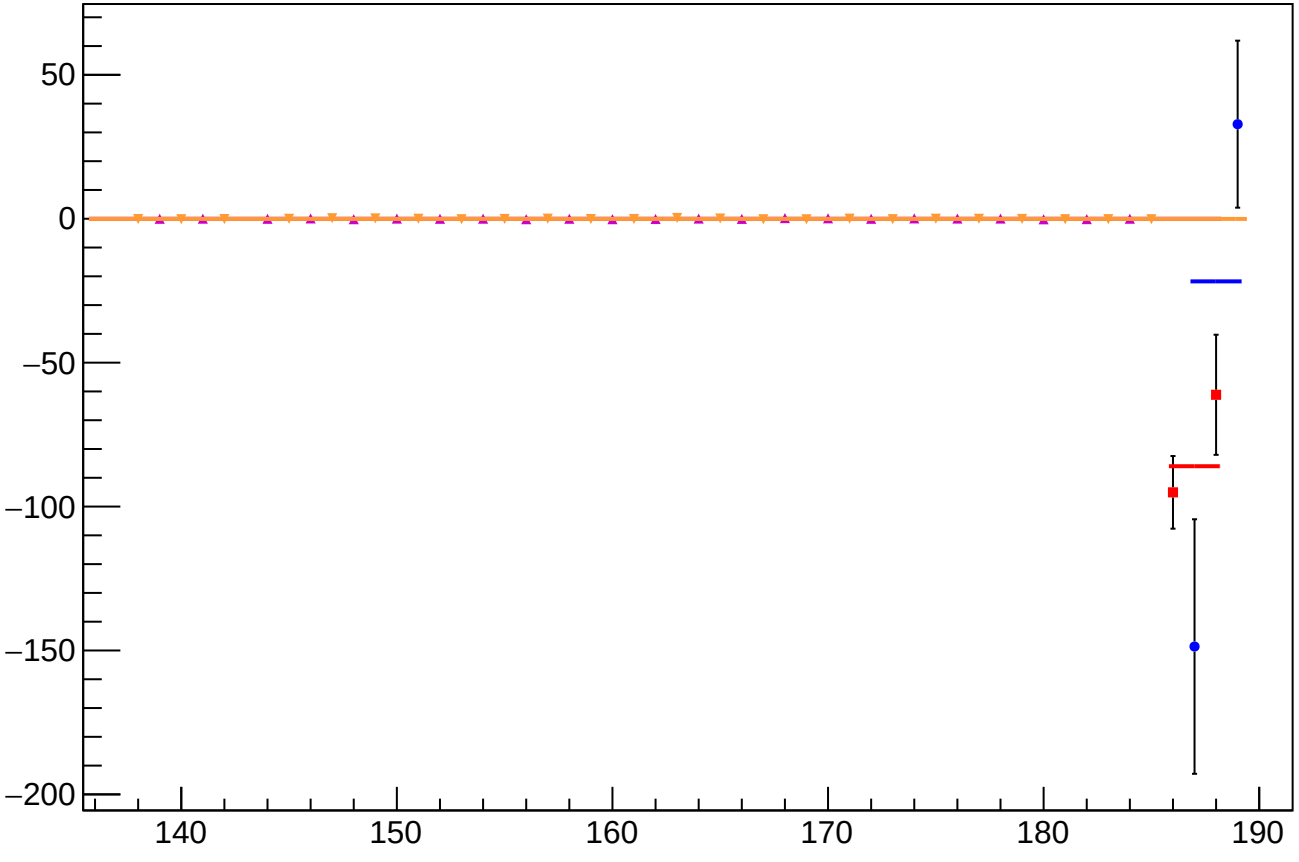
Right: -0.006+/-0.001 $\chi^2$/NDF: 26542.6/37

In: -0.001+/-0.001 $\chi^2$/NDF:63.3/40

Out: -0.001+/-0.001 $\chi^2$/NDF:26552.5/43

All: -0.001+/-0.000 $\chi^2$/NDF: 26615.8/84

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -21.759+/-24.256 $\chi^2$/NDF: 11.8/1

Left Out: -0.052+/-0.018 $\chi^2$/NDF:37.3/23

Right Out: -85.982+/-10.799 $\chi^2$/NDF: 1.9/1

Left In: -0.010+/-0.018 $\chi^2$/NDF:33.3/22

Left: -0.031+/-0.013 $\chi^2$/NDF: 73.3/46

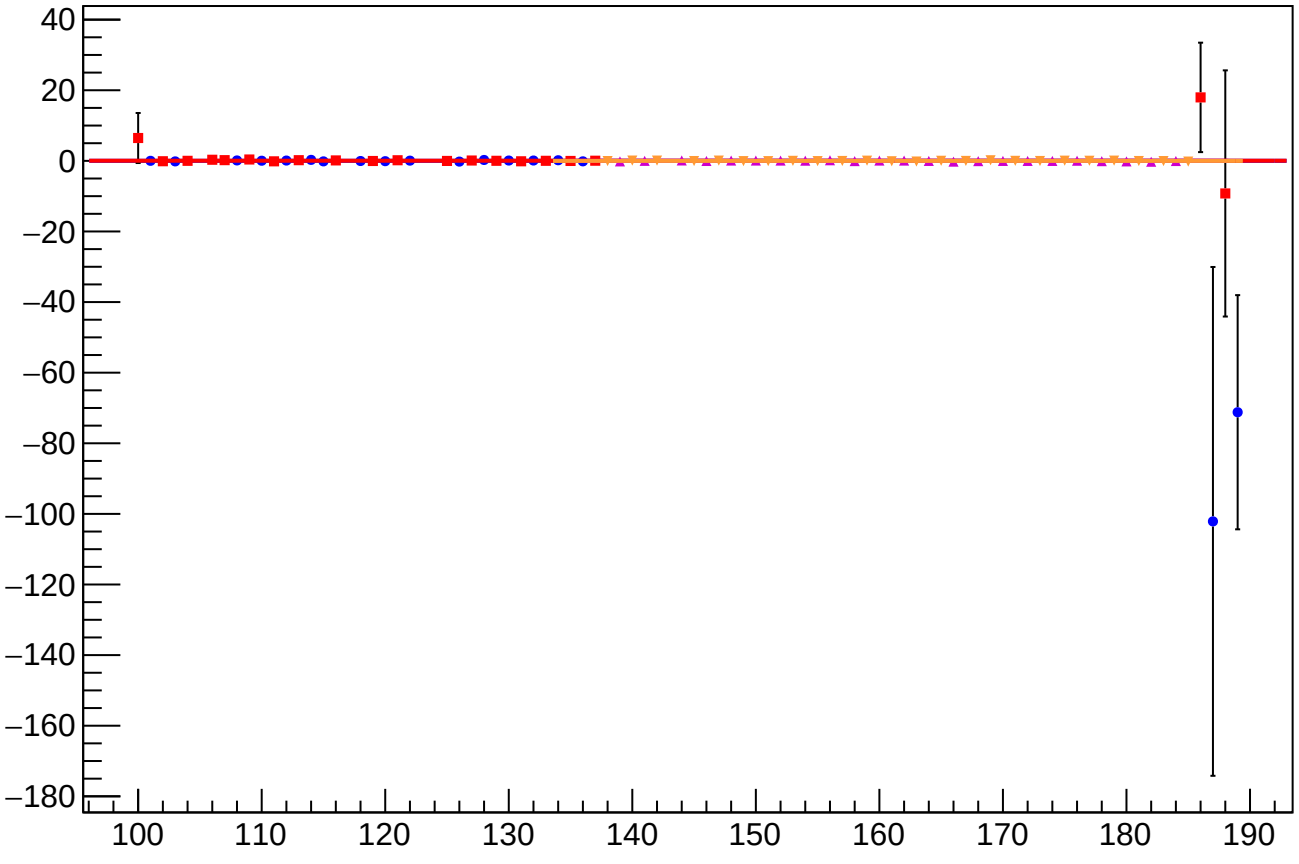
Right: -75.358+/-9.866 $\chi^2$/NDF: 19.6/3

In: -0.010+/-0.018 $\chi^2$/NDF:45.9/24

Out: -0.052+/-0.018 $\chi^2$/NDF:102.6/25

All: -0.031+/-0.013 $\chi^2$/NDF: 151.2/50

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 0.010+/-0.023 $\chi^2$/NDF: 32.1/17

Left Out: -0.010+/-0.014 $\chi^2$/NDF:29.5/23

Right Out: 0.040+/-0.025 $\chi^2$/NDF: 29.3/19

Left In: 0.004+/-0.014 $\chi^2$/NDF:50.3/22

Left: -0.003+/-0.010 $\chi^2$/NDF: 80.2/46

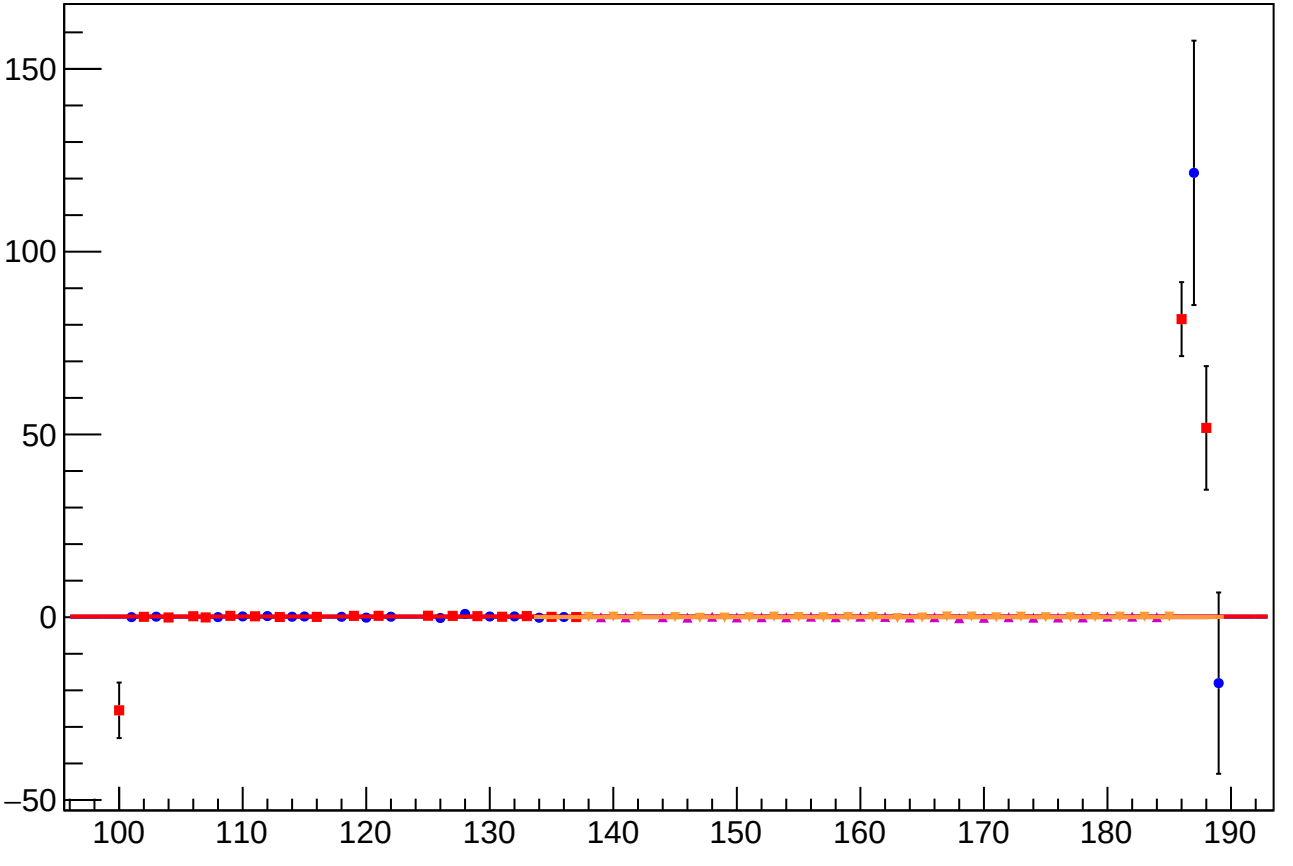
Right: 0.024+/-0.017 $\chi^2$/NDF: 62.2/37

In: 0.006+/-0.012 $\chi^2$/NDF:82.4/40

Out: 0.002+/-0.012 $\chi^2$/NDF:61.9/43

All: 0.004+/-0.009 $\chi^2$/NDF: 144.4/84

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 0.152+/-0.043 $\chi^2$/NDF: 40.5/17

Left Out: 0.048+/-0.018 $\chi^2$/NDF:35.4/23

Right Out: 0.202+/-0.045 $\chi^2$/NDF: 96.8/19

Left In: 0.021+/-0.018 $\chi^2$/NDF:34.0/22

Left: 0.034+/-0.013 $\chi^2$/NDF: 70.5/46

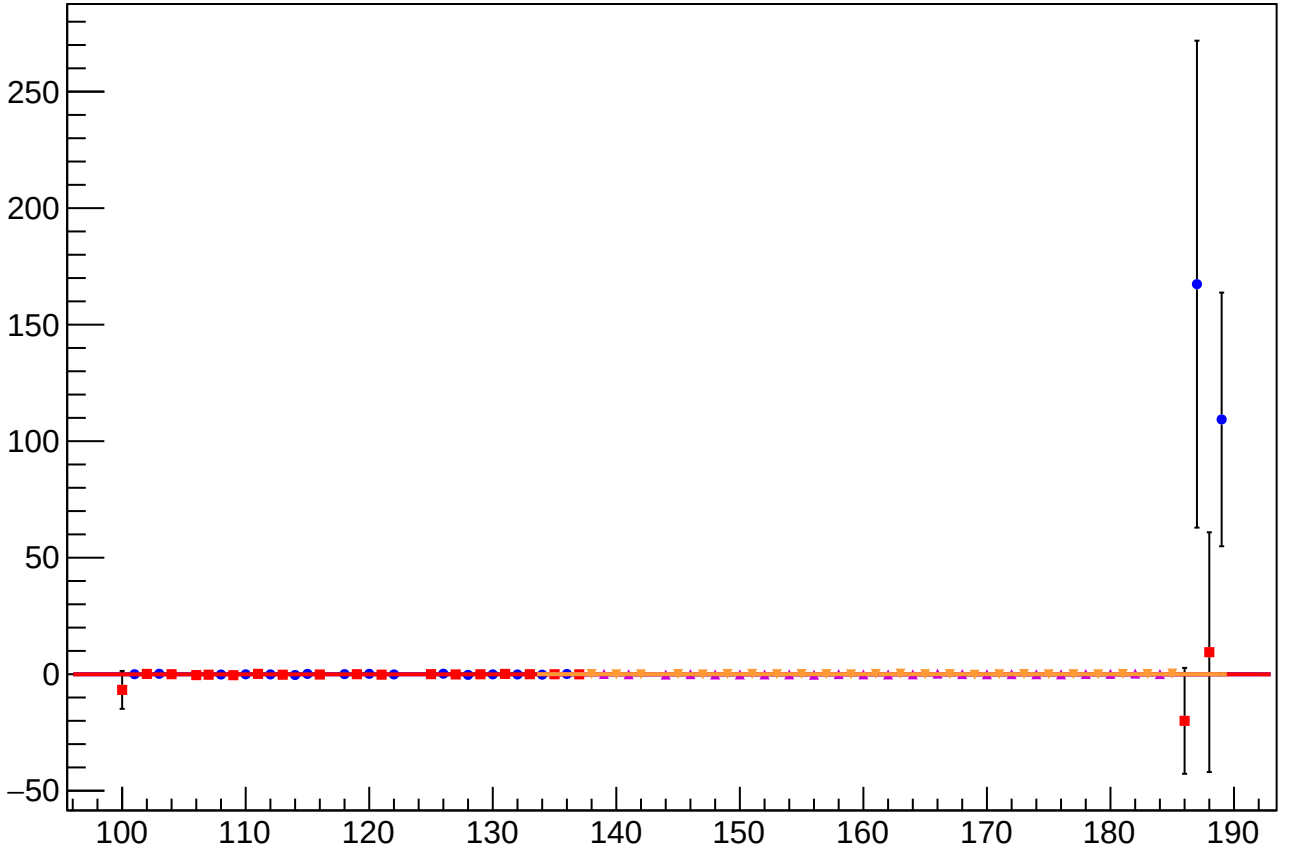
Right: 0.176+/-0.031 $\chi^2$/NDF: 138.1/37

In: 0.041+/-0.017 $\chi^2$/NDF:82.5/40

Out: 0.069+/-0.017 $\chi^2$/NDF:142.4/43

All: 0.055+/-0.012 $\chi^2$/NDF: 226.4/84

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -0.014+/-0.027 $\chi^2$/NDF: 31.8/17

Left Out: 0.021+/-0.016 $\chi^2$/NDF:33.2/23

Right Out: -0.050+/-0.029 $\chi^2$/NDF: 26.6/19

Left In: 0.007+/-0.016 $\chi^2$/NDF:50.7/22

Left: 0.014+/-0.011 $\chi^2$/NDF: 84.2/46

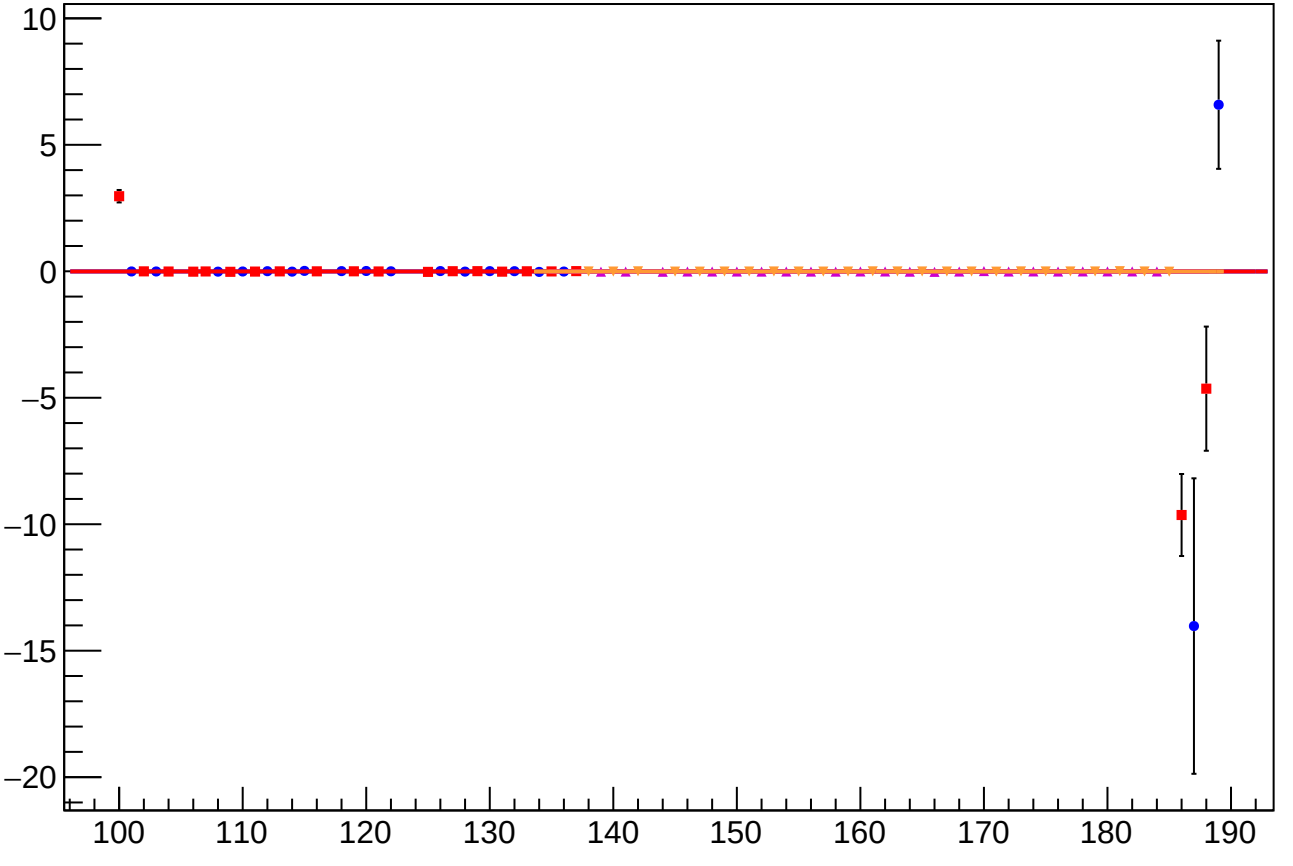
Right: -0.031+/-0.020 $\chi^2$/NDF: 59.2/37

In: 0.002+/-0.014 $\chi^2$/NDF:82.9/40

Out: 0.004+/-0.014 $\chi^2$/NDF:64.4/43

All: 0.003+/-0.010 $\chi^2$/NDF: 147.3/84

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.006+/-0.001 $\chi^2$/NDF: 41.5/17

Left Out: -0.008+/-0.001 $\chi^2$/NDF:31.9/23

Right Out: -0.006+/-0.001 $\chi^2$/NDF: 204.7/19

Left In: -0.009+/-0.001 $\chi^2$/NDF:39.2/22

Left: -0.008+/-0.001 $\chi^2$/NDF: 71.4/46

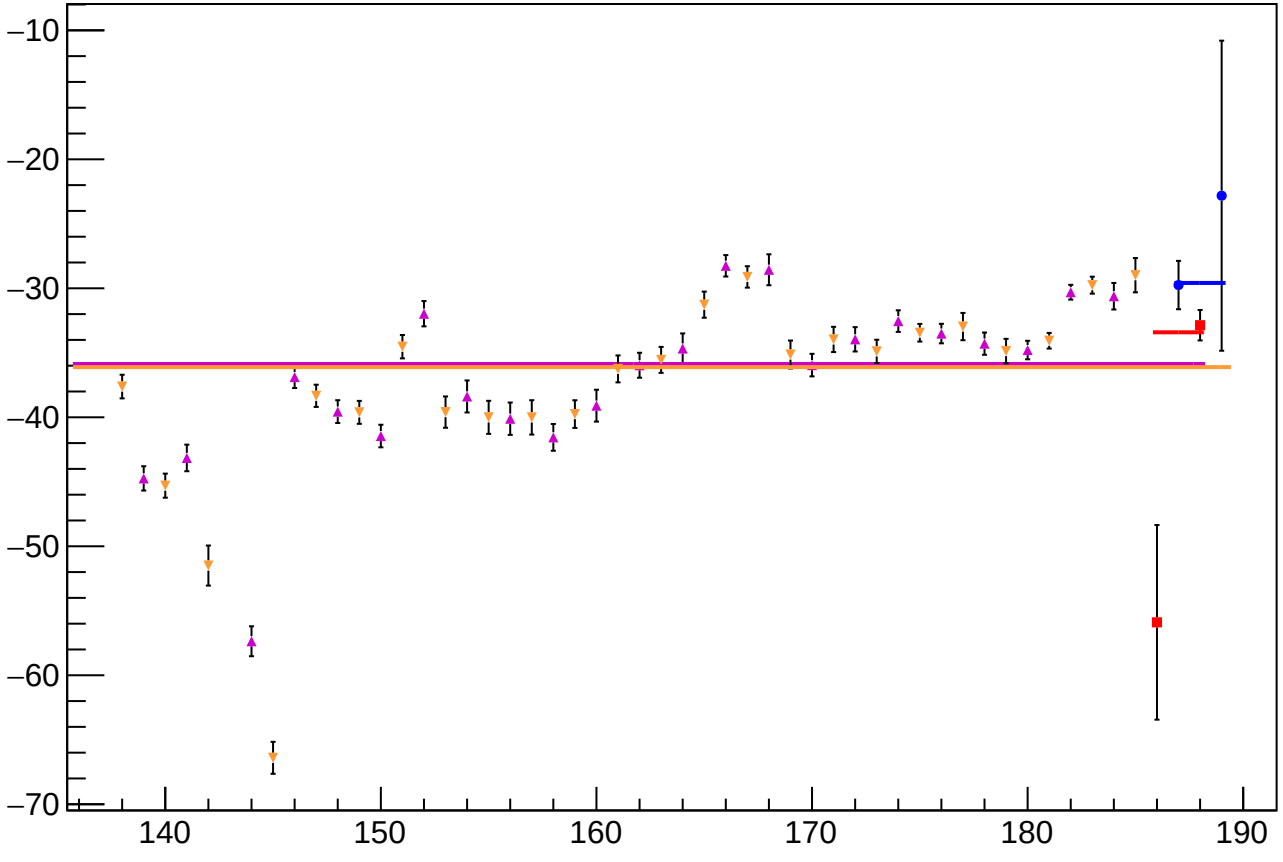
Right: -0.006+/-0.001 $\chi^2$/NDF: 246.2/37

In: -0.008+/-0.001 $\chi^2$/NDF:83.6/40

Out: -0.008+/-0.001 $\chi^2$/NDF:238.4/43

All: -0.008+/-0.000 $\chi^2$/NDF: 322.2/84

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -29.583+/-1.853 $\chi^2$/NDF: 0.3/1

Left Out: -36.110+/-0.192 $\chi^2$/NDF:1118.4/23

Right Out: -33.411+/-1.166 $\chi^2$/NDF: 9.1/1

Left In: -35.869+/-0.191 $\chi^2$/NDF:887.1/22

Left: -35.989+/-0.135 $\chi^2$/NDF: 2006.3/46

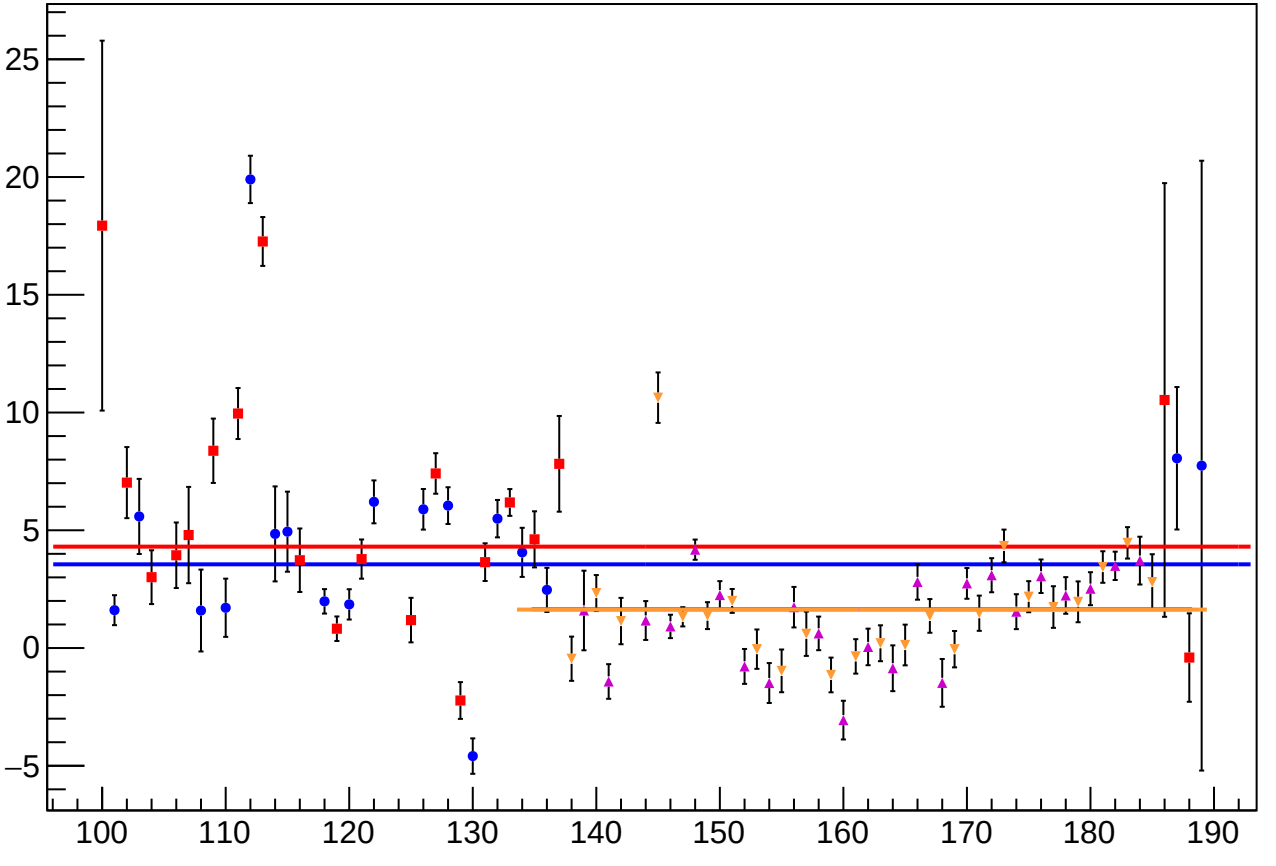
Right: -32.325+/-0.987 $\chi^2$/NDF: 12.5/3

In: -35.803+/-0.190 $\chi^2$/NDF:898.8/24

Out: -36.039+/-0.189 $\chi^2$/NDF:1132.7/25

All: -35.921+/-0.134 $\chi^2$/NDF: 2032.3/50

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 3.554+/-0.217 $\chi^2$/NDF: 448.9/17

Left Out: 1.632+/-0.148 $\chi^2$/NDF:166.7/23

Right Out: 4.305+/-0.224 $\chi^2$/NDF: 360.7/19

Left In: 1.646+/-0.149 $\chi^2$/NDF:164.1/22

Left: 1.639+/-0.105 $\chi^2$/NDF: 330.7/46

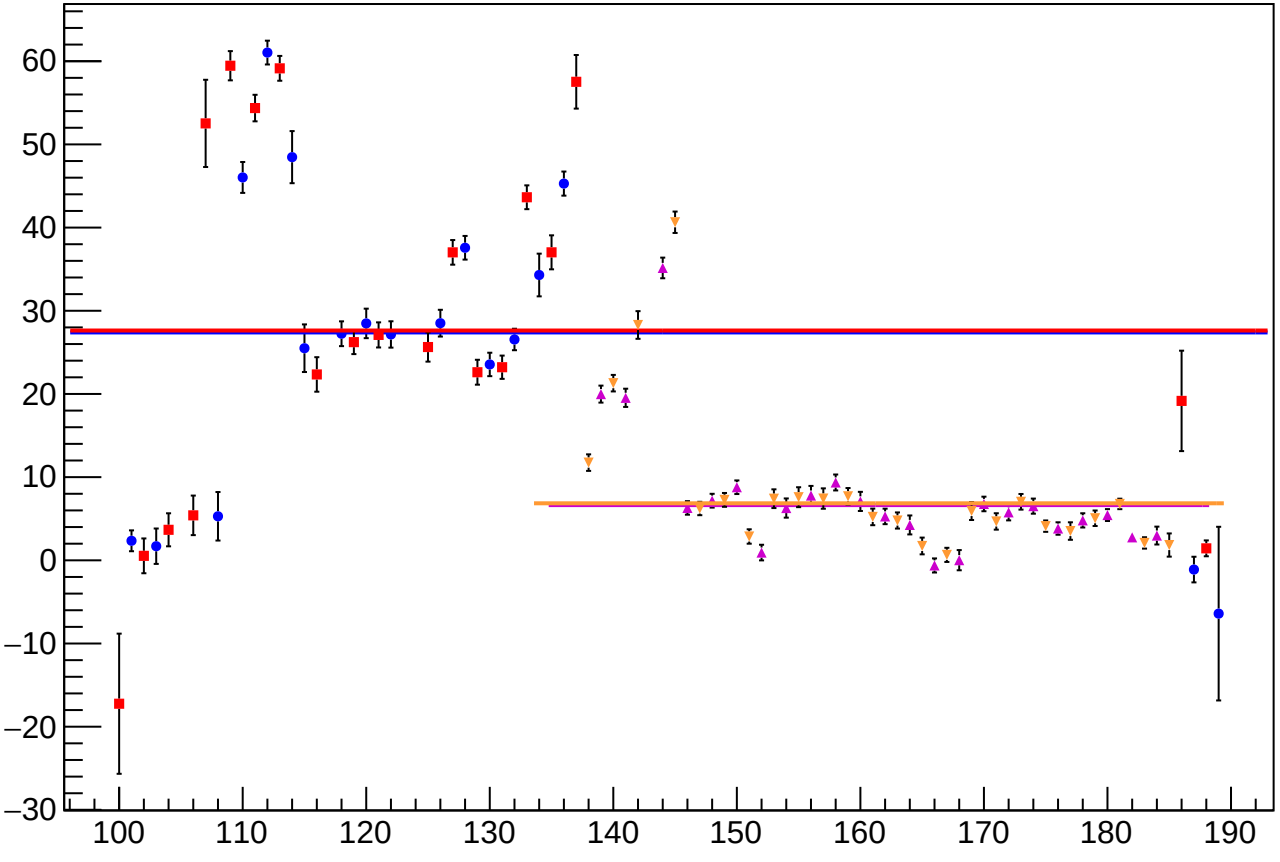
Right: 3.918+/-0.156 $\chi^2$/NDF: 815.4/37

In: 2.259+/-0.123 $\chi^2$/NDF:665.6/40

Out: 2.444+/-0.123 $\chi^2$/NDF:626.7/43

All: 2.351+/-0.087 $\chi^2$/NDF: 1293.5/84

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 27.395+/-0.402 $\chi^2$/NDF: 1874.0/17

Left Out: 6.855+/-0.191 $\chi^2$/NDF:1298.7/23

Right Out: 27.627+/-0.386 $\chi^2$/NDF: 2565.8/19

Left In: 6.639+/-0.190 $\chi^2$/NDF:1077.2/22

Left: 6.746+/-0.135 $\chi^2$/NDF: 2376.6/46

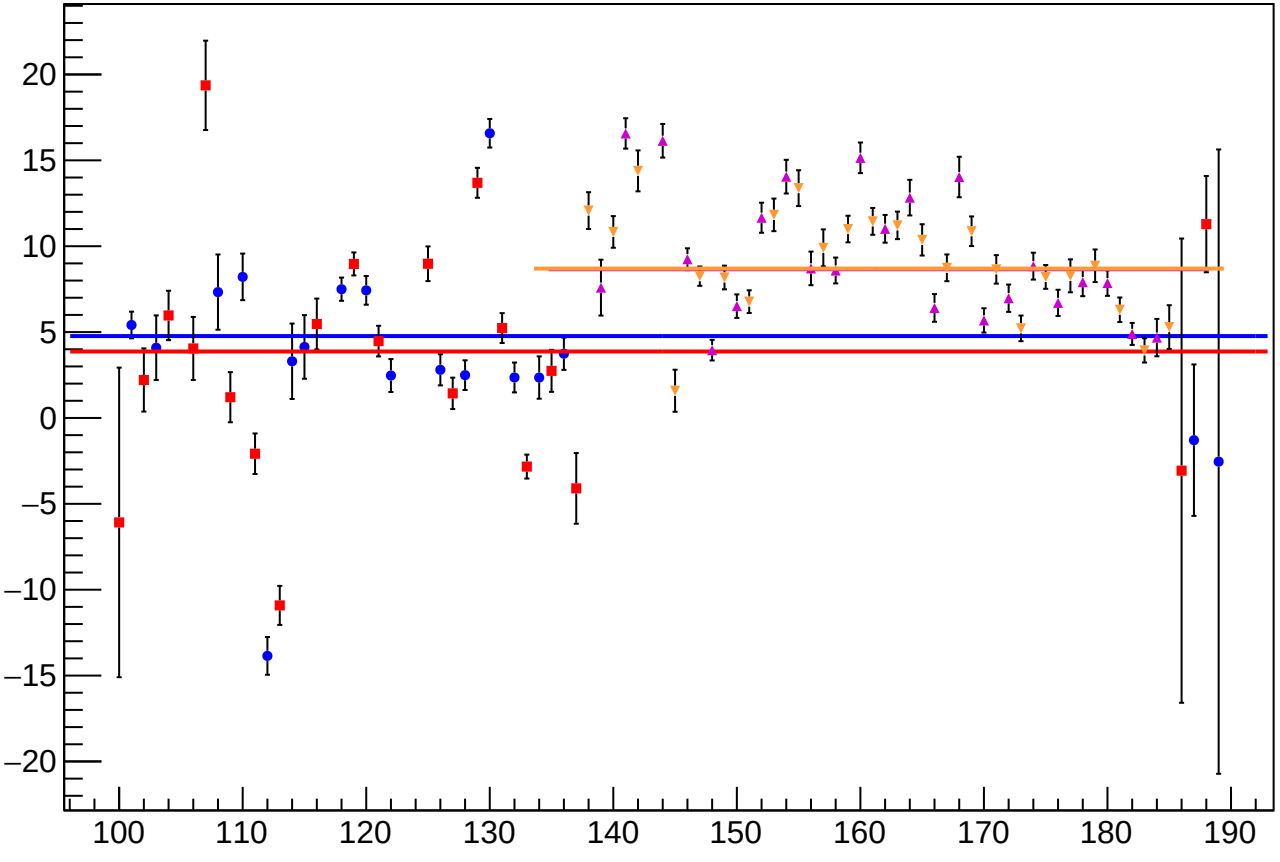
Right: 27.516+/-0.278 $\chi^2$/NDF: 4440.0/37

In: 10.421+/-0.172 $\chi^2$/NDF:5131.4/40

Out: 10.957+/-0.171 $\chi^2$/NDF:6191.2/43

All: 10.690+/-0.121 $\chi^2$/NDF: 11327.4/84

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 4.768+/-0.251 $\chi^2$/NDF: 556.0/17

Left Out: 8.697+/-0.169 $\chi^2$/NDF:241.1/23

Right Out: 3.869+/-0.258 $\chi^2$/NDF: 574.9/19

Left In: 8.659+/-0.170 $\chi^2$/NDF:438.0/22

Left: 8.678+/-0.120 $\chi^2$/NDF: 679.2/46

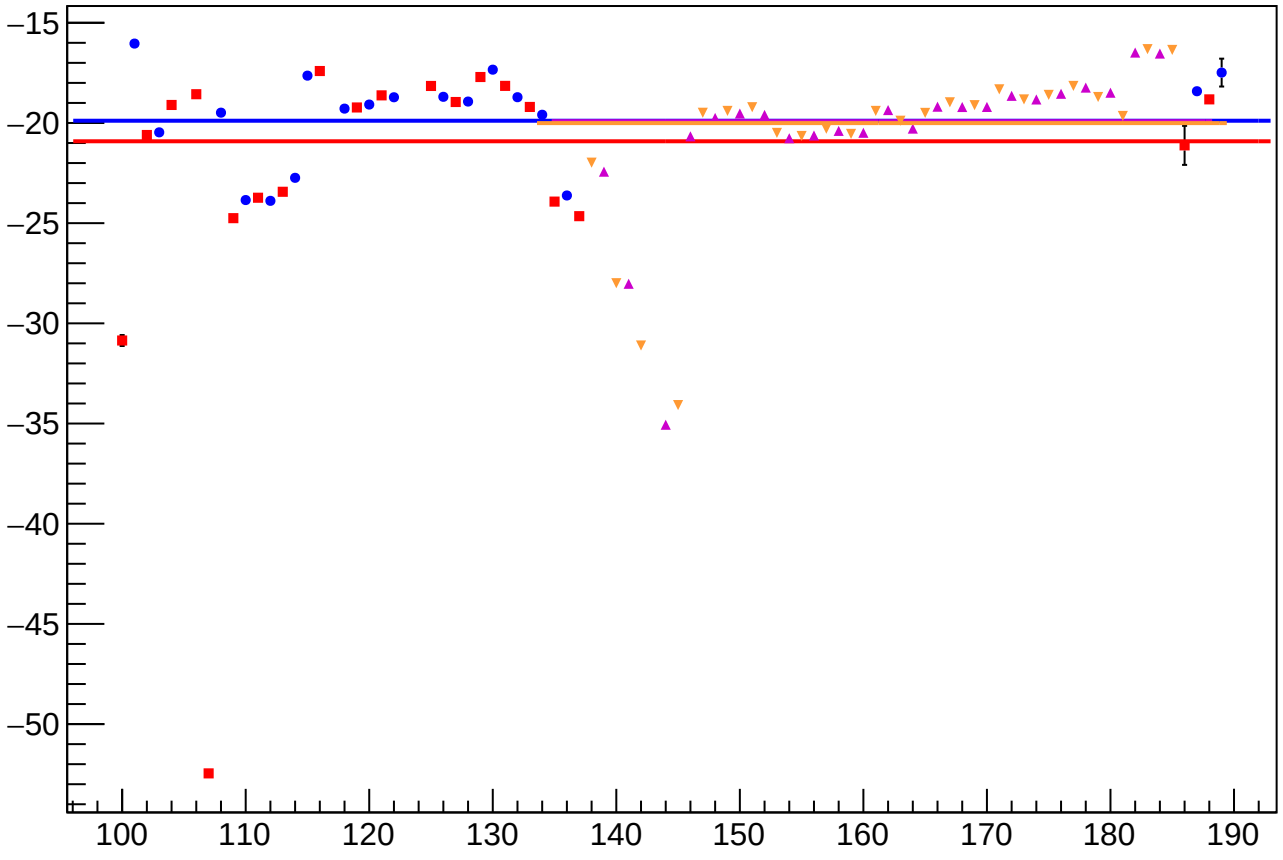
Right: 4.331+/-0.180 $\chi^2$/NDF: 1137.2/37

In: 7.437+/-0.141 $\chi^2$/NDF:1159.1/40

Out: 7.246+/-0.141 $\chi^2$/NDF:1061.4/43

All: 7.342+/-0.100 $\chi^2$/NDF: 2221.5/84

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -19.888+/-0.016 $\chi^2$/NDF: 26120.9/17

Left Out: -20.007+/-0.008 $\chi^2$/NDF:171647.2/23

Right Out: -20.914+/-0.016 $\chi^2$/NDF: 94279.5/19

Left In: -19.912+/-0.008 $\chi^2$/NDF:145487.3/22

Left: -19.959+/-0.006 $\chi^2$/NDF: 317207.1/46

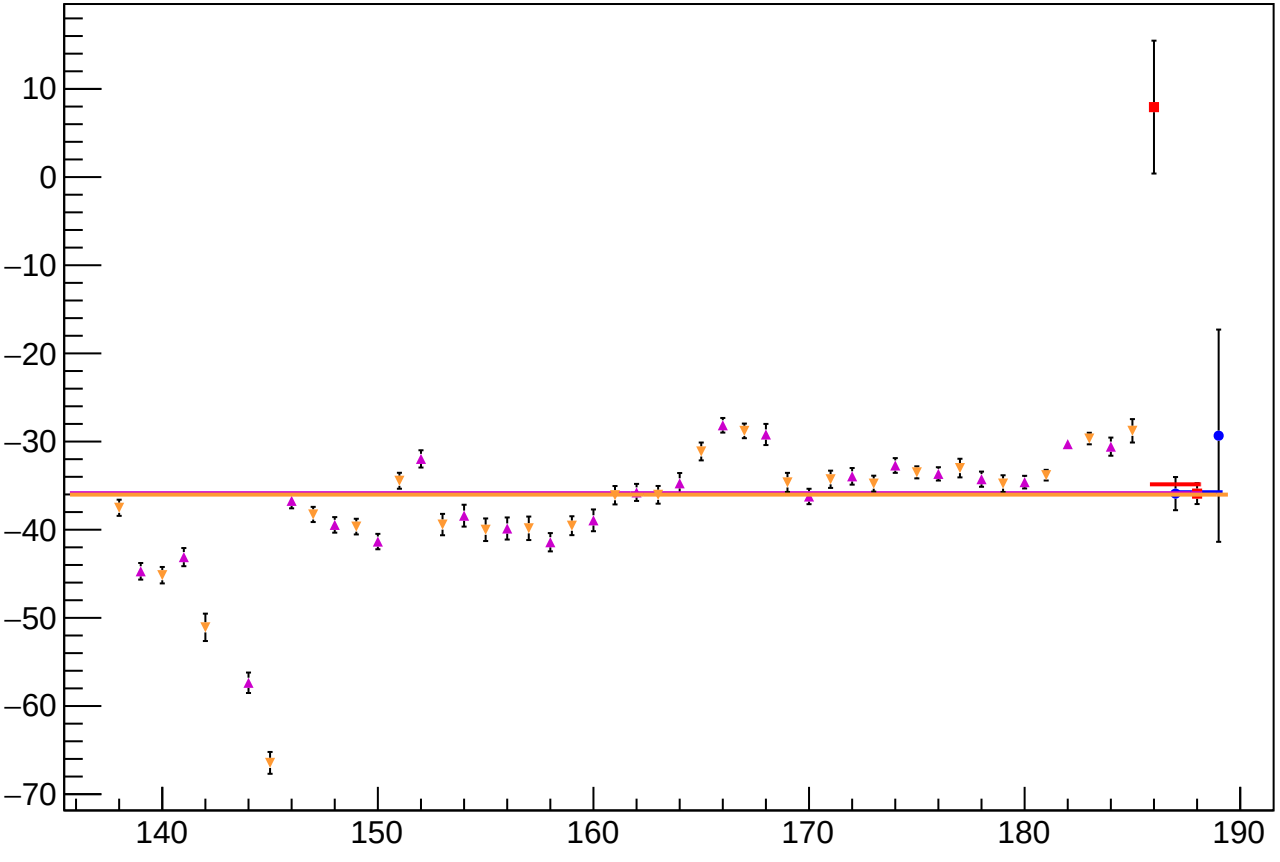
Right: -20.398+/-0.011 $\chi^2$/NDF: 122567.8/37

In: -19.907+/-0.007 $\chi^2$/NDF:171610.2/40

Out: -20.191+/-0.007 $\chi^2$/NDF:268612.5/43

All: -20.048+/-0.005 $\chi^2$/NDF: 441043.0/84

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -35.749+/-1.859 $\chi^2$/NDF: 0.3/1

Left Out: -36.019+/-0.192 $\chi^2$/NDF:1125.4/23

Right Out: -34.852+/-1.169 $\chi^2$/NDF: 33.0/1

Left In: -35.856+/-0.191 $\chi^2$/NDF:875.9/22

Left: -35.937+/-0.135 $\chi^2$/NDF: 2001.6/46

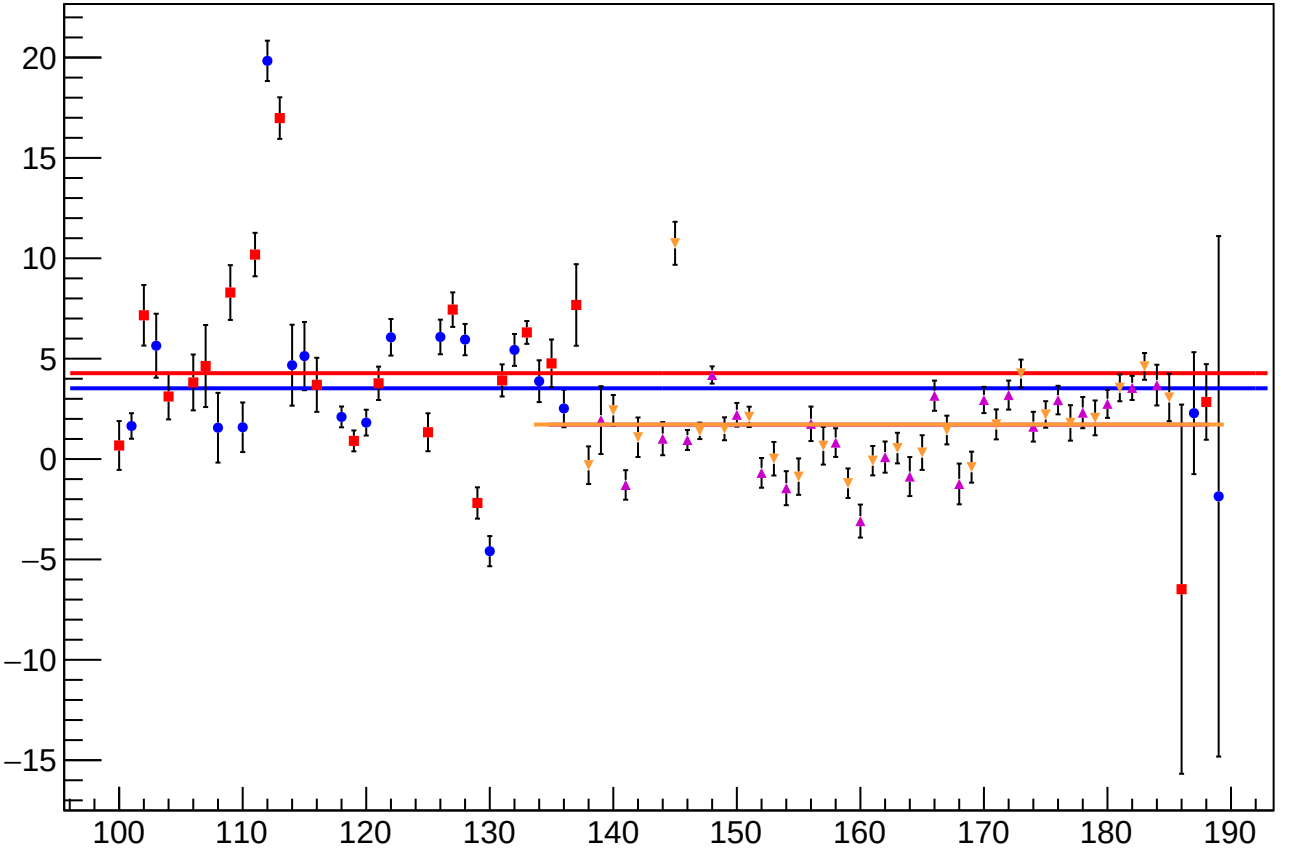
Right: -35.106+/-0.989 $\chi^2$/NDF: 33.5/3

In: -35.855+/-0.190 $\chi^2$/NDF:876.2/24

Out: -35.988+/-0.189 $\chi^2$/NDF:1159.4/25

All: -35.922+/-0.134 $\chi^2$/NDF: 2035.8/50

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 3.525+/-0.217 $\chi^2$/NDF: 443.6/17

Left Out: 1.721+/-0.148 $\chi^2$/NDF:168.3/23

Right Out: 4.277+/-0.220 $\chi^2$/NDF: 354.8/19

Left In: 1.712+/-0.149 $\chi^2$/NDF:164.1/22

Left: 1.717+/-0.105 $\chi^2$/NDF: 332.4/46

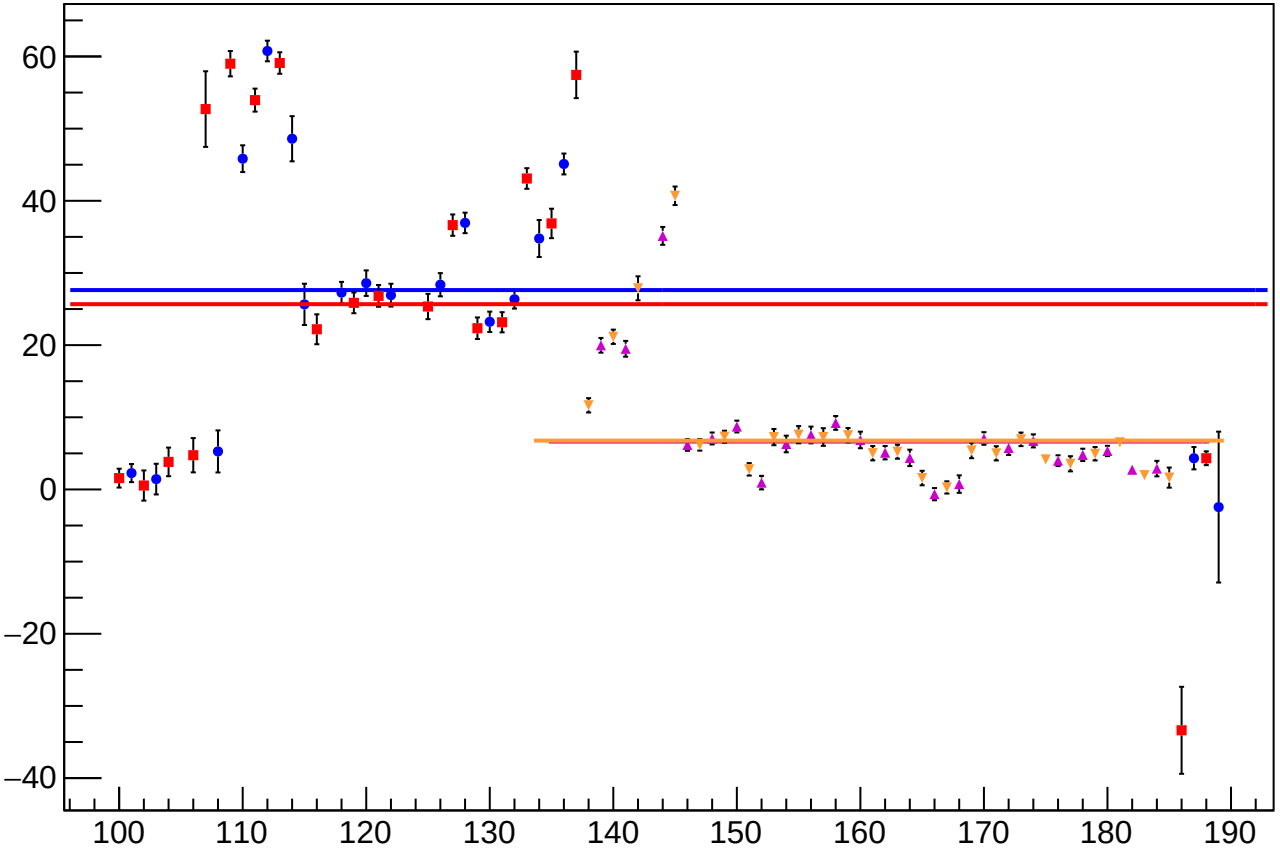
Right: 3.895+/-0.154 $\chi^2$/NDF: 804.3/37

In: 2.295+/-0.123 $\chi^2$/NDF:655.2/40

Out: 2.515+/-0.123 $\chi^2$/NDF:616.1/43

All: 2.405+/-0.087 $\chi^2$/NDF: 1272.9/84

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 27.628+/-0.402 $\chi^2$/NDF: 1741.5/17

Left Out: 6.767+/-0.191 $\chi^2$/NDF:1301.2/23

Right Out: 25.675+/-0.370 $\chi^2$/NDF: 2824.7/19

Left In: 6.635+/-0.190 $\chi^2$/NDF:1070.4/22

Left: 6.700+/-0.135 $\chi^2$/NDF: 2371.9/46

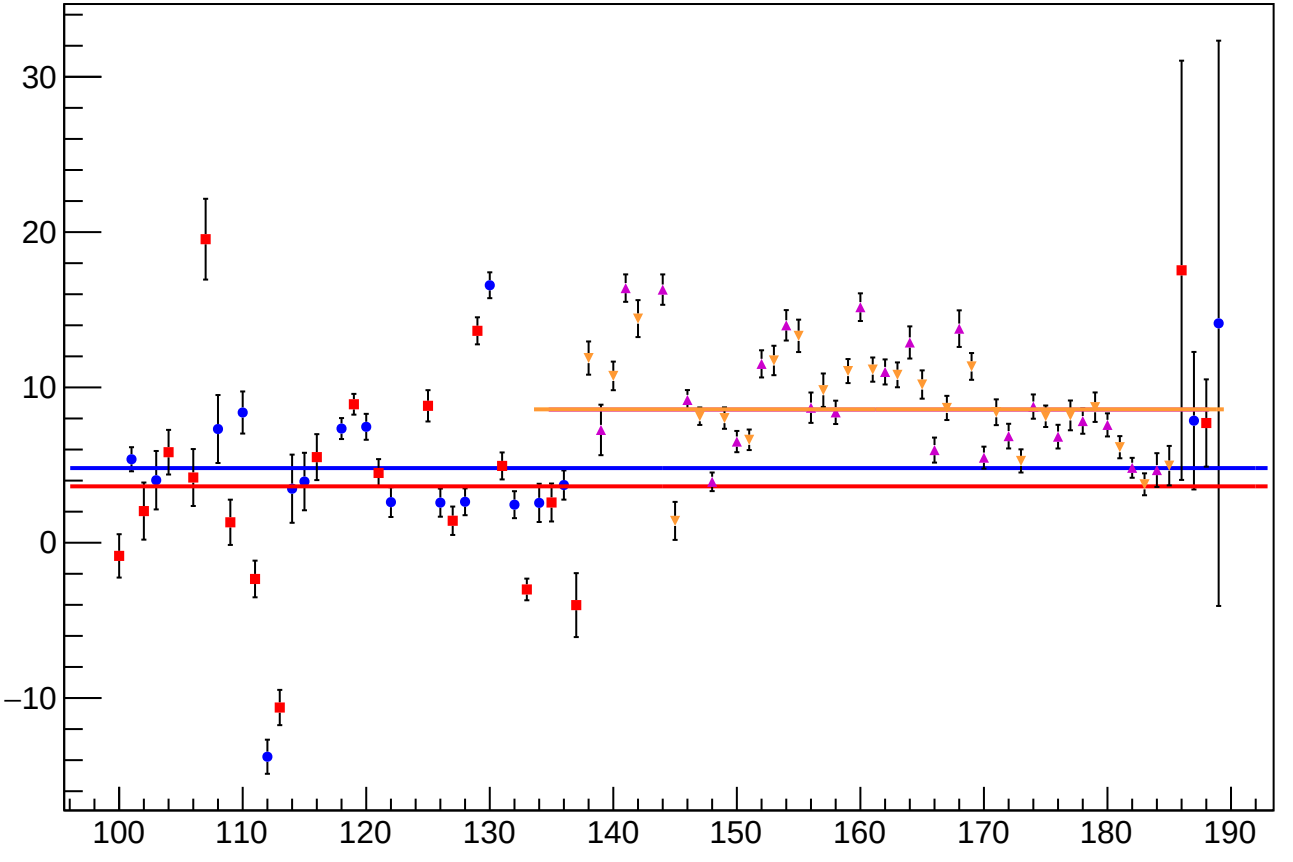
Right: 26.572+/-0.272 $\chi^2$/NDF: 4579.0/37

In: 10.459+/-0.172 $\chi^2$/NDF:5044.1/40

Out: 10.750+/-0.170 $\chi^2$/NDF:6184.6/43

All: 10.606+/-0.121 $\chi^2$/NDF: 11230.2/84

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 4.805+/-0.251 $\chi^2$/NDF: 550.7/17

Left Out: 8.588+/-0.169 $\chi^2$/NDF:245.6/23

Right Out: 3.630+/-0.253 $\chi^2$/NDF: 576.5/19

Left In: 8.573+/-0.170 $\chi^2$/NDF:443.4/22

Left: 8.581+/-0.120 $\chi^2$/NDF: 689.0/46

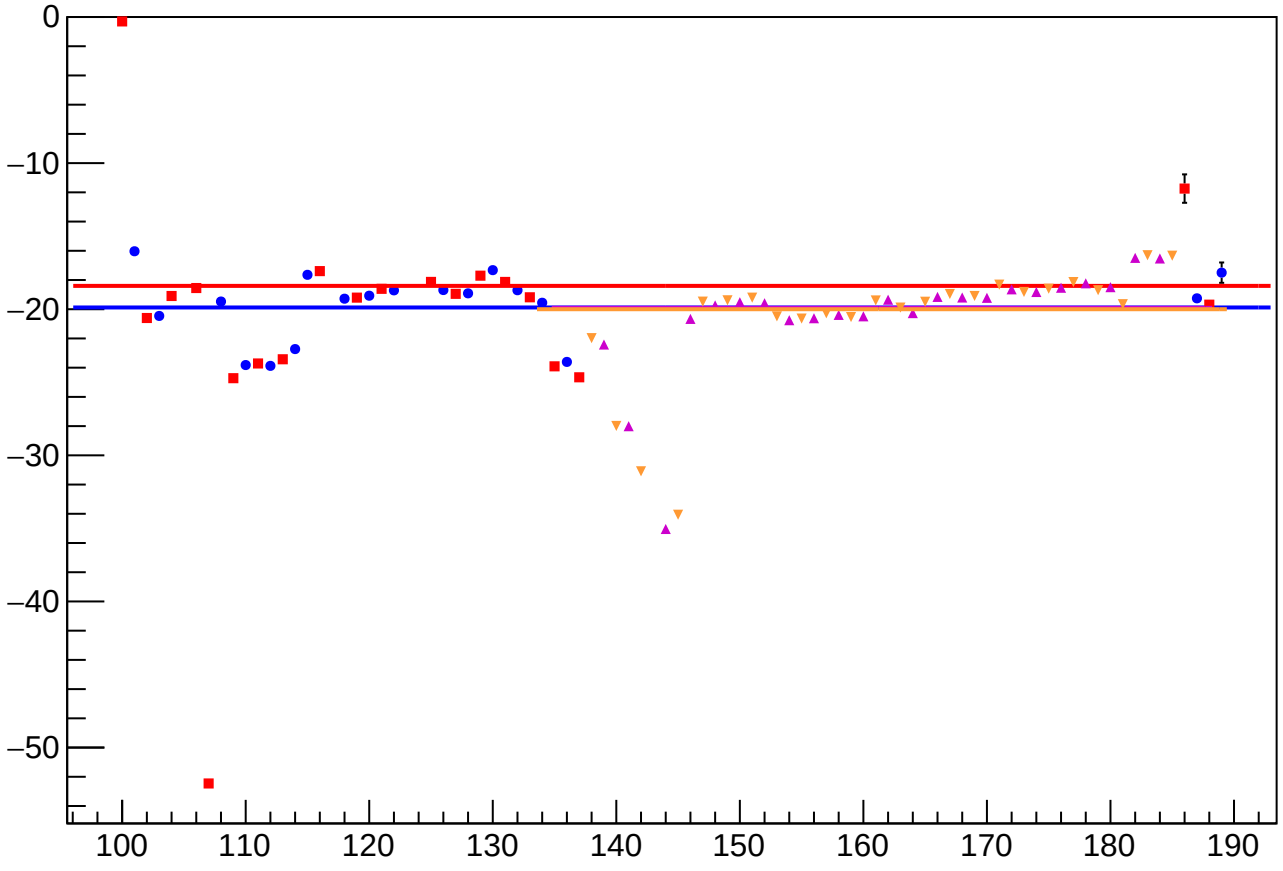
Right: 4.224+/-0.178 $\chi^2$/NDF: 1138.1/37

In: 7.389+/-0.140 $\chi^2$/NDF:1149.1/40

Out: 7.064+/-0.141 $\chi^2$/NDF:1087.4/43

All: 7.227+/-0.099 $\chi^2$/NDF: 2239.1/84

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -19.880+/-0.016 $\chi^2$/NDF: 26081.6/17

Left Out: -19.999+/-0.008 $\chi^2$/NDF:171834.0/23

Right Out: -18.402+/-0.015 $\chi^2$/NDF: 301374.8/19

Left In: -19.905+/-0.008 $\chi^2$/NDF:145346.7/22

Left: -19.951+/-0.006 $\chi^2$/NDF: 317253.3/46

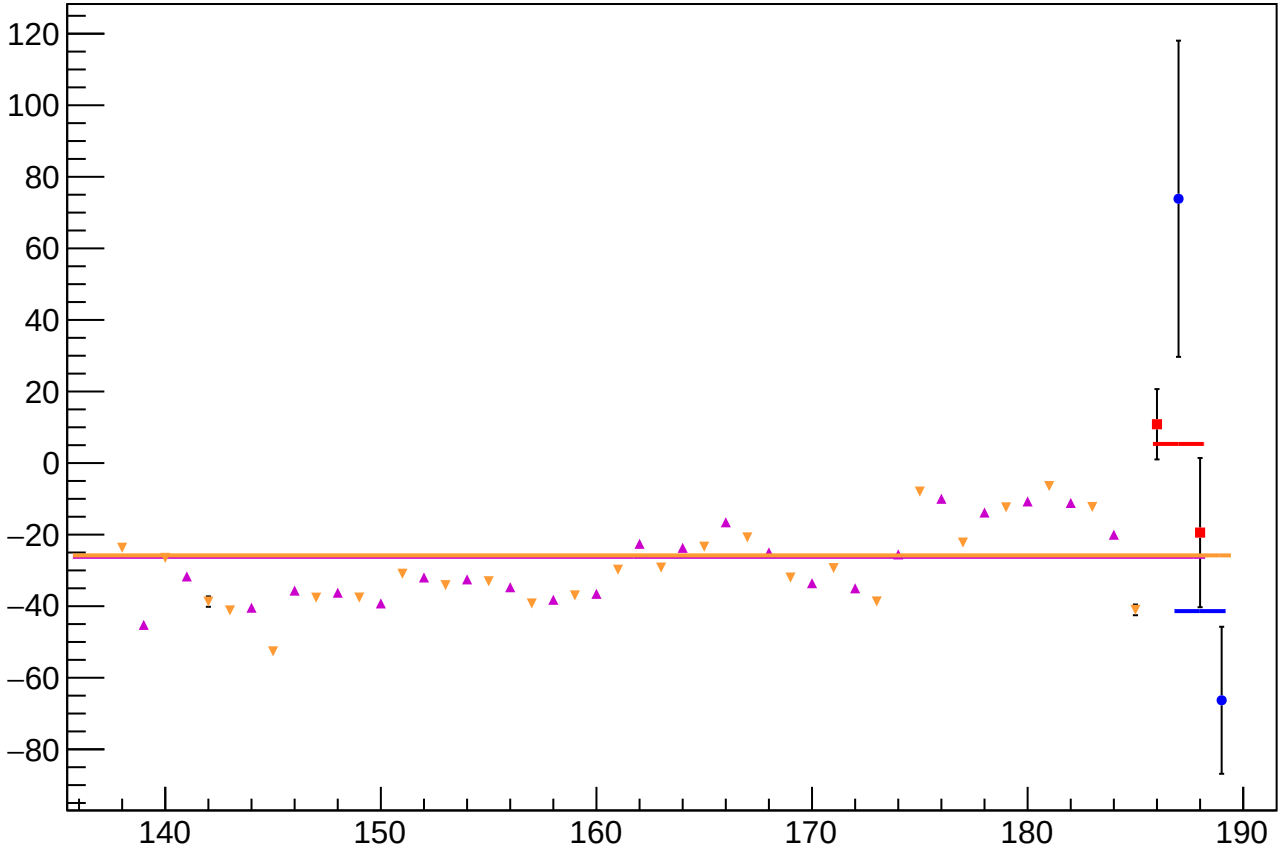
Right: -19.098+/-0.011 $\chi^2$/NDF: 332247.4/37

In: -19.900+/-0.007 $\chi^2$/NDF:171430.3/40

Out: -19.640+/-0.007 $\chi^2$/NDF:482416.4/43

All: -19.769+/-0.005 $\chi^2$/NDF: 654539.5/84

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -41.374+/-18.631 $\chi^2$/NDF: 8.3/1

Left Out: -25.804+/-0.192 $\chi^2$/NDF:4127.8/24

Right Out: 5.347+/-8.887 $\chi^2$/NDF: 1.7/1

Left In: -26.204+/-0.194 $\chi^2$/NDF:3377.8/22

Left: -26.002+/-0.137 $\chi^2$/NDF: 7507.7/47

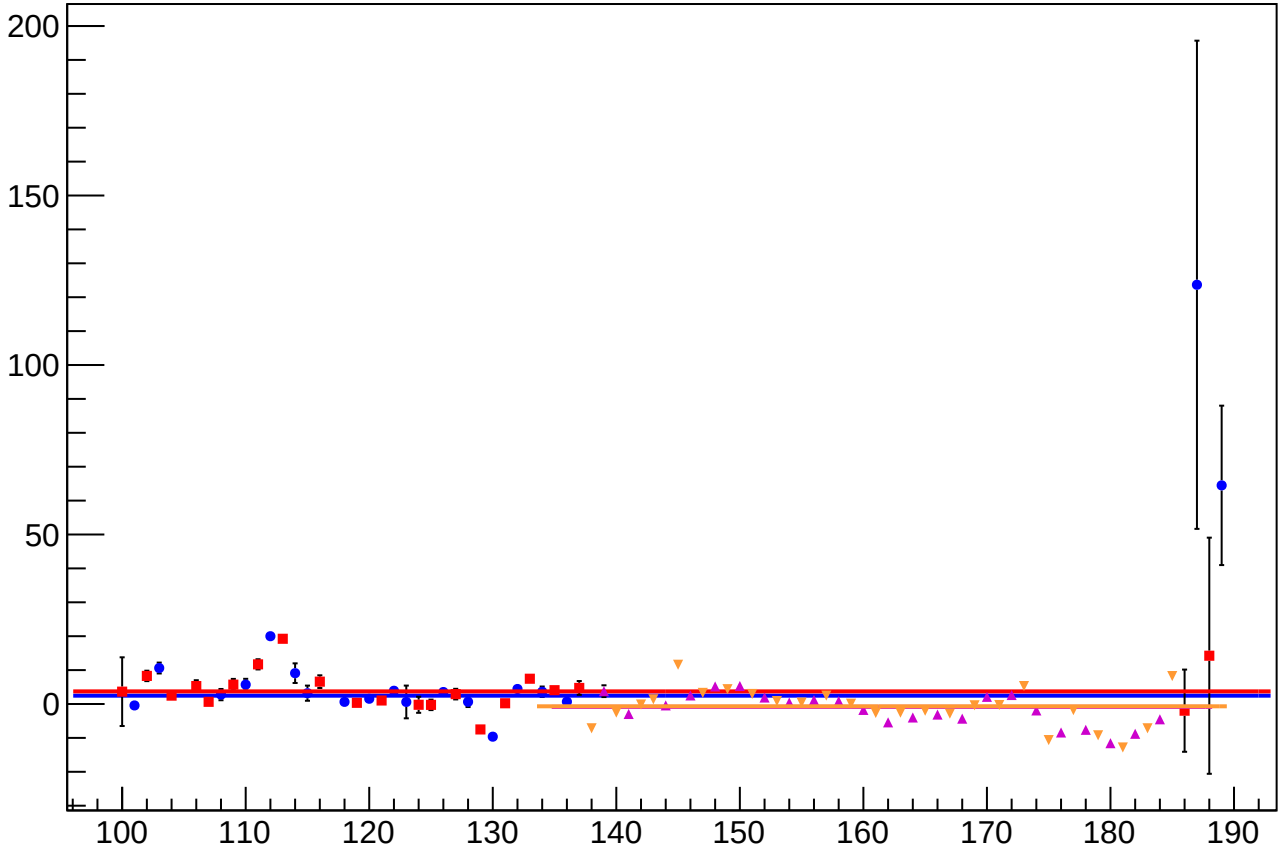
Right: -3.314+/-8.022 $\chi^2$/NDF: 15.1/3

In: -26.205+/-0.194 $\chi^2$/NDF:3386.7/24

Out: -25.790+/-0.192 $\chi^2$/NDF:4141.8/26

All: -25.995+/-0.137 $\chi^2$/NDF: 7530.8/51

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 2.457+/-0.311 $\chi^2$/NDF: 305.1/18

Left Out: -0.681+/-0.147 $\chi^2$/NDF:1314.3/24

Right Out: 3.722+/-0.327 $\chi^2$/NDF: 269.4/20

Left In: -0.842+/-0.150 $\chi^2$/NDF:1071.6/22

Left: -0.760+/-0.105 $\chi^2$/NDF: 2386.5/47

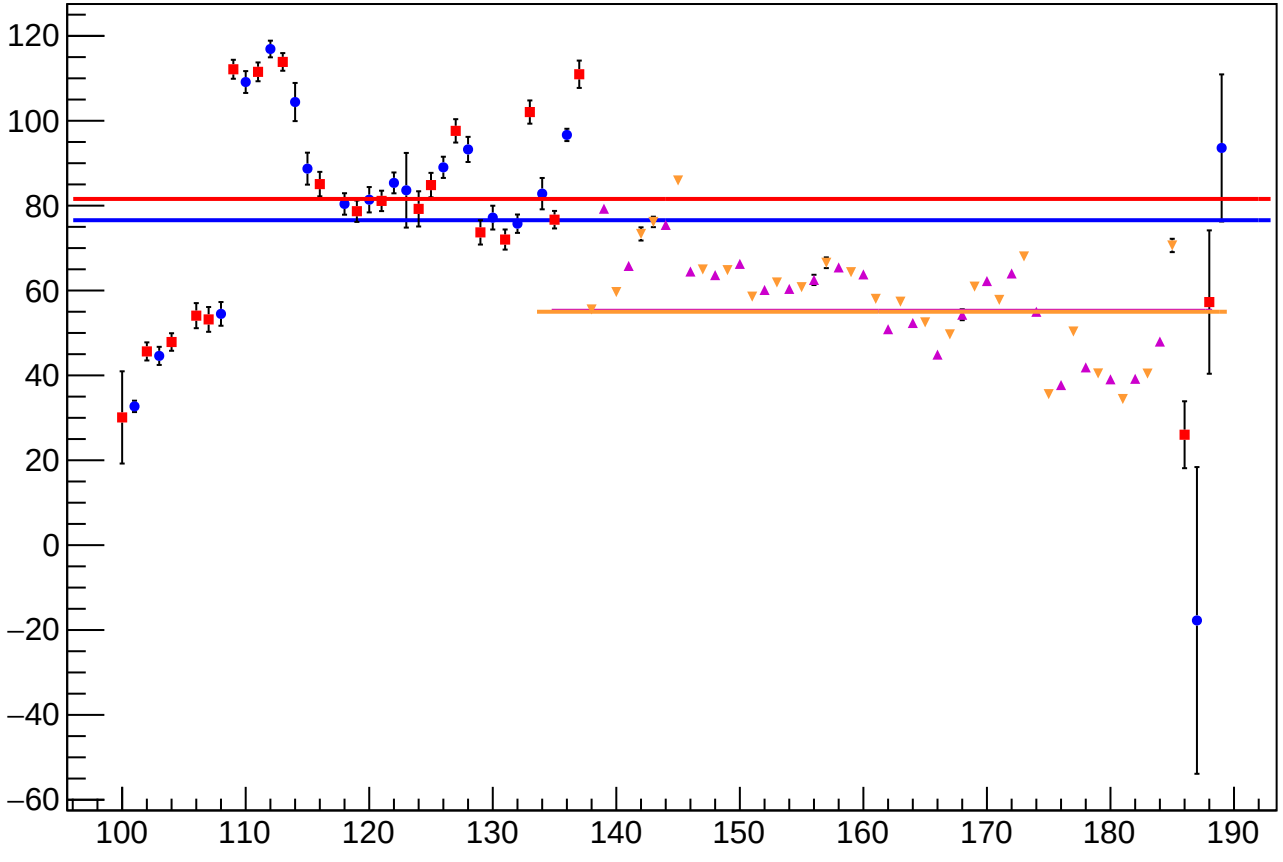
Right: 3.059+/-0.225 $\chi^2$/NDF: 582.4/39

In: -0.219+/-0.135 $\chi^2$/NDF:1468.0/41

Out: 0.057+/-0.134 $\chi^2$/NDF:1734.9/45

All: -0.079+/-0.095 $\chi^2$/NDF: 3205.0/87

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 76.567+/-0.573 $\chi^2$/NDF: 2261.4/18

Left Out: 55.000+/-0.192 $\chi^2$/NDF:4524.8/24

Right Out: 81.580+/-0.590 $\chi^2$/NDF: 1622.7/20

Left In: 55.225+/-0.193 $\chi^2$/NDF:3825.0/22

Left: 55.112+/-0.136 $\chi^2$/NDF: 8350.5/47

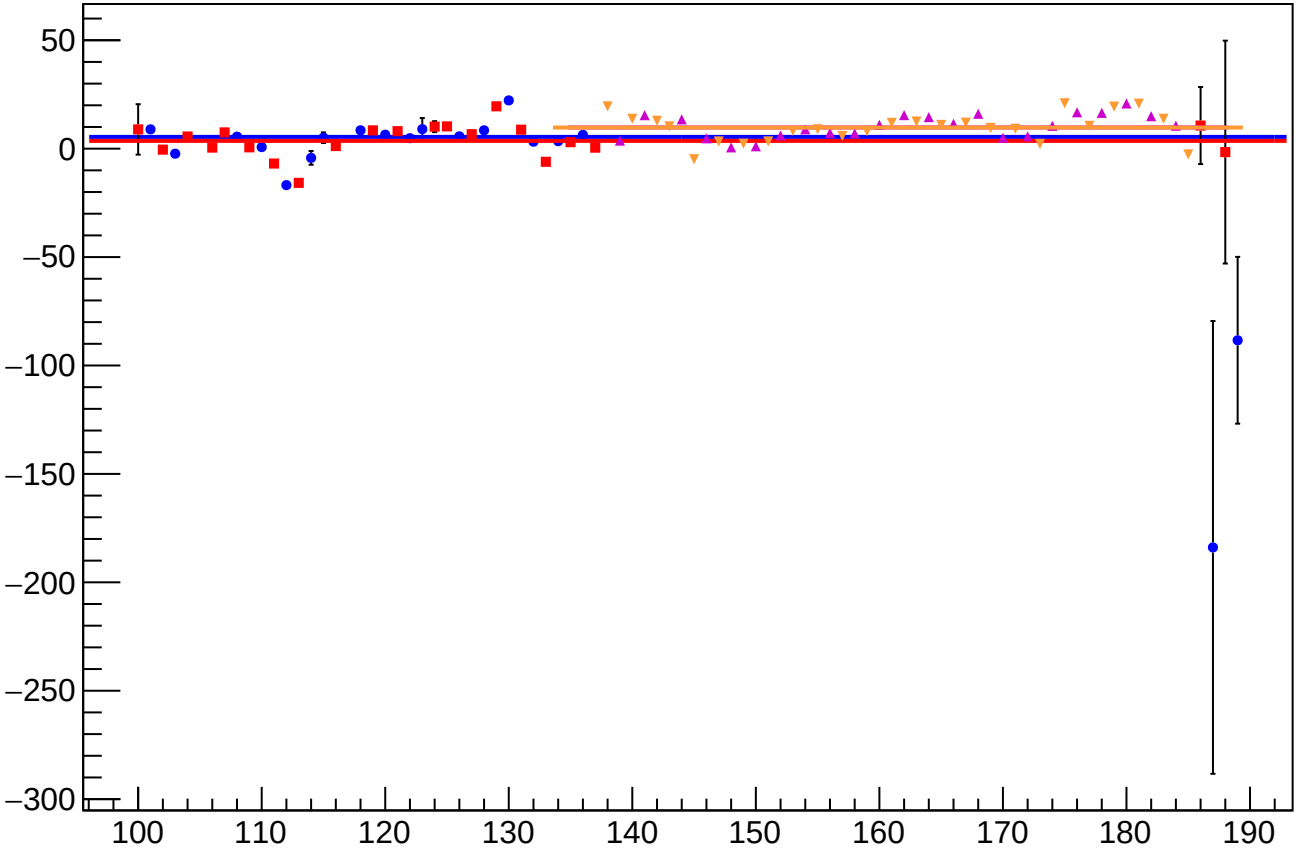
Right: 79.000+/-0.411 $\chi^2$/NDF: 3921.2/39

In: 57.396+/-0.183 $\chi^2$/NDF:7332.9/41

Out: 57.542+/-0.182 $\chi^2$/NDF:7983.6/45

All: 57.469+/-0.129 $\chi^2$/NDF: 15316.8/87

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 5.432+/-0.357 $\chi^2$/NDF: 396.7/18

Left Out: 9.750+/-0.168 $\chi^2$/NDF:1449.2/24

Right Out: 3.588+/-0.375 $\chi^2$/NDF: 423.4/20

Left In: 9.775+/-0.171 $\chi^2$/NDF:1165.6/22

Left: 9.762+/-0.120 $\chi^2$/NDF: 2614.7/47

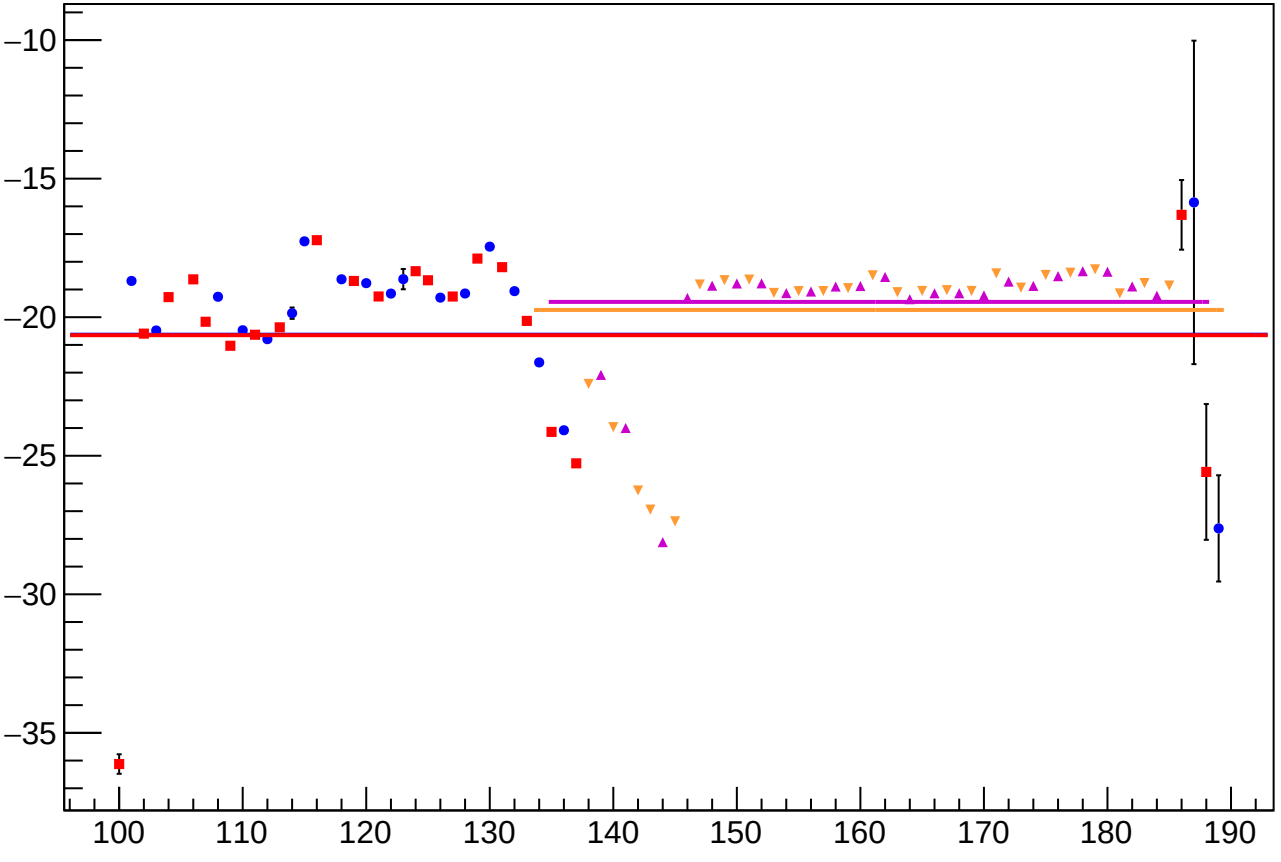
Right: 4.555+/-0.259 $\chi^2$/NDF: 832.8/39

In: 8.963+/-0.154 $\chi^2$/NDF:1682.4/41

Out: 8.719+/-0.153 $\chi^2$/NDF:2097.2/45

All: 8.841+/-0.109 $\chi^2$/NDF: 3780.9/87

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -20.631+/-0.019 $\chi^2$/NDF: 12504.5/18

Left Out: -19.738+/-0.008 $\chi^2$/NDF:88495.2/24

Right Out: -20.649+/-0.019 $\chi^2$/NDF: 13901.7/20

Left In: -19.448+/-0.008 $\chi^2$/NDF:54039.2/22

Left: -19.593+/-0.006 $\chi^2$/NDF: 143208.7/47

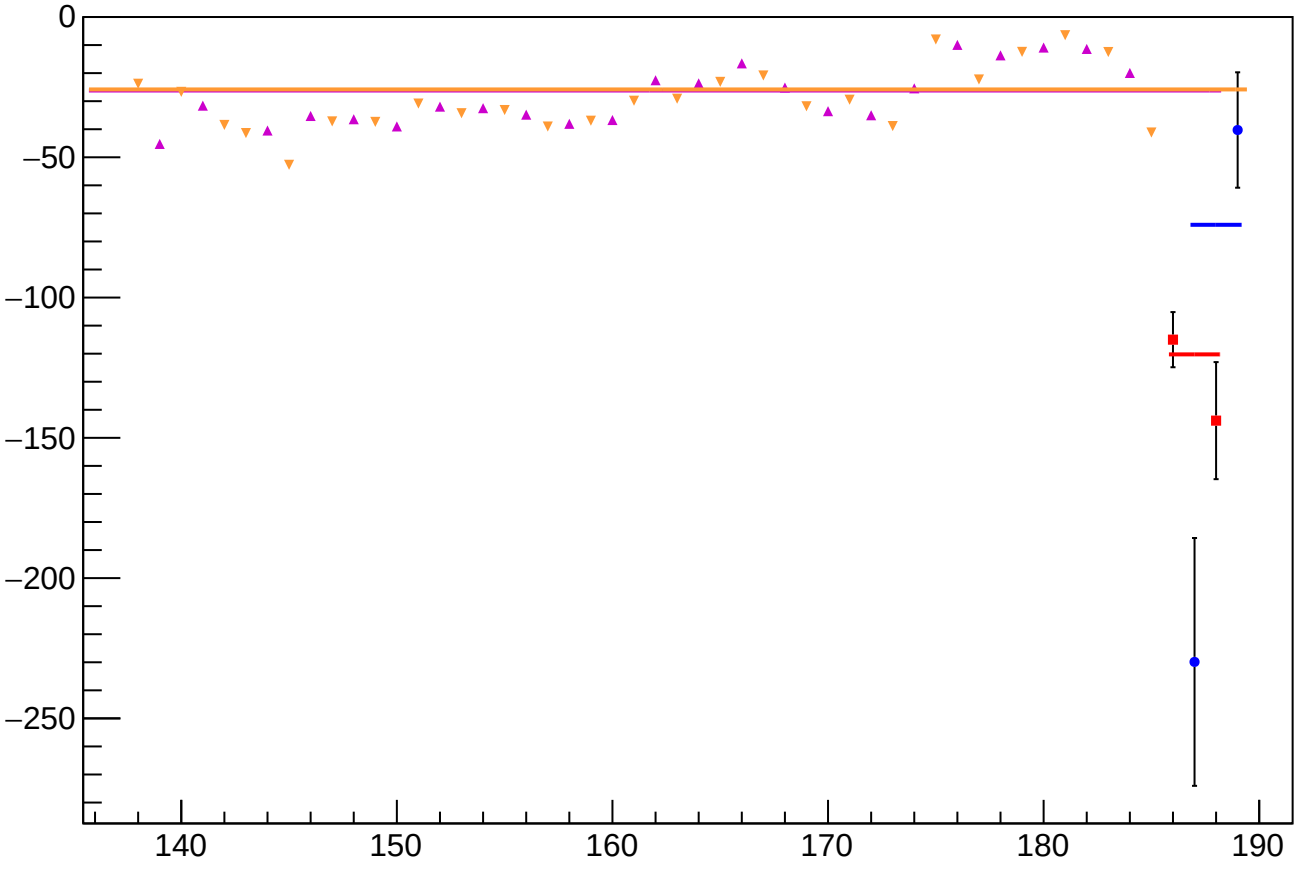
Right: -20.640+/-0.014 $\chi^2$/NDF: 26406.5/39

In: -19.619+/-0.007 $\chi^2$/NDF:69767.4/41

Out: -19.868+/-0.007 $\chi^2$/NDF:104281.9/45

All: -19.743+/-0.005 $\chi^2$/NDF: 174626.8/87

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -74.065+/-18.646 $\chi^2$/NDF: 15.1/1

Left Out: -25.814+/-0.192 $\chi^2$/NDF:4094.6/24

Right Out: -120.250+/-8.893 $\chi^2$/NDF: 1.6/1

Left In: -26.200+/-0.194 $\chi^2$/NDF:3344.6/22

Left: -26.005+/-0.137 $\chi^2$/NDF: 7441.2/47

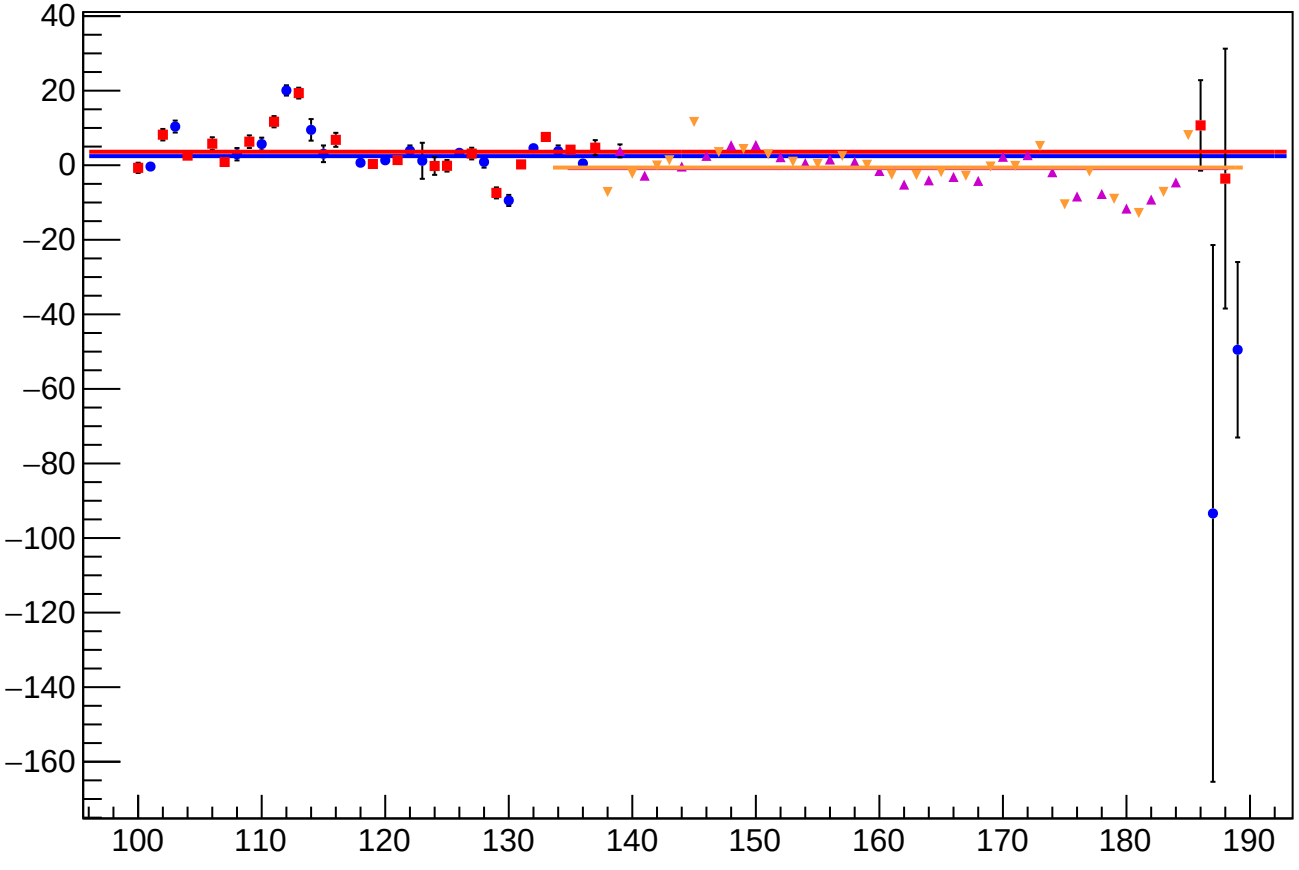
Right: -111.690+/-8.027 $\chi^2$/NDF: 21.7/3

In: -26.205+/-0.194 $\chi^2$/NDF:3366.4/24

Out: -25.858+/-0.192 $\chi^2$/NDF:4208.8/26

All: -26.030+/-0.137 $\chi^2$/NDF: 7576.8/51

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 2.437+/-0.311 $\chi^2$/NDF: 300.0/18

Left Out: -0.625+/-0.147 $\chi^2$/NDF:1303.5/24

Right Out: 3.615+/-0.318 $\chi^2$/NDF: 279.8/20

Left In: -0.773+/-0.150 $\chi^2$/NDF:1111.4/22

Left: -0.697+/-0.105 $\chi^2$/NDF: 2415.4/47

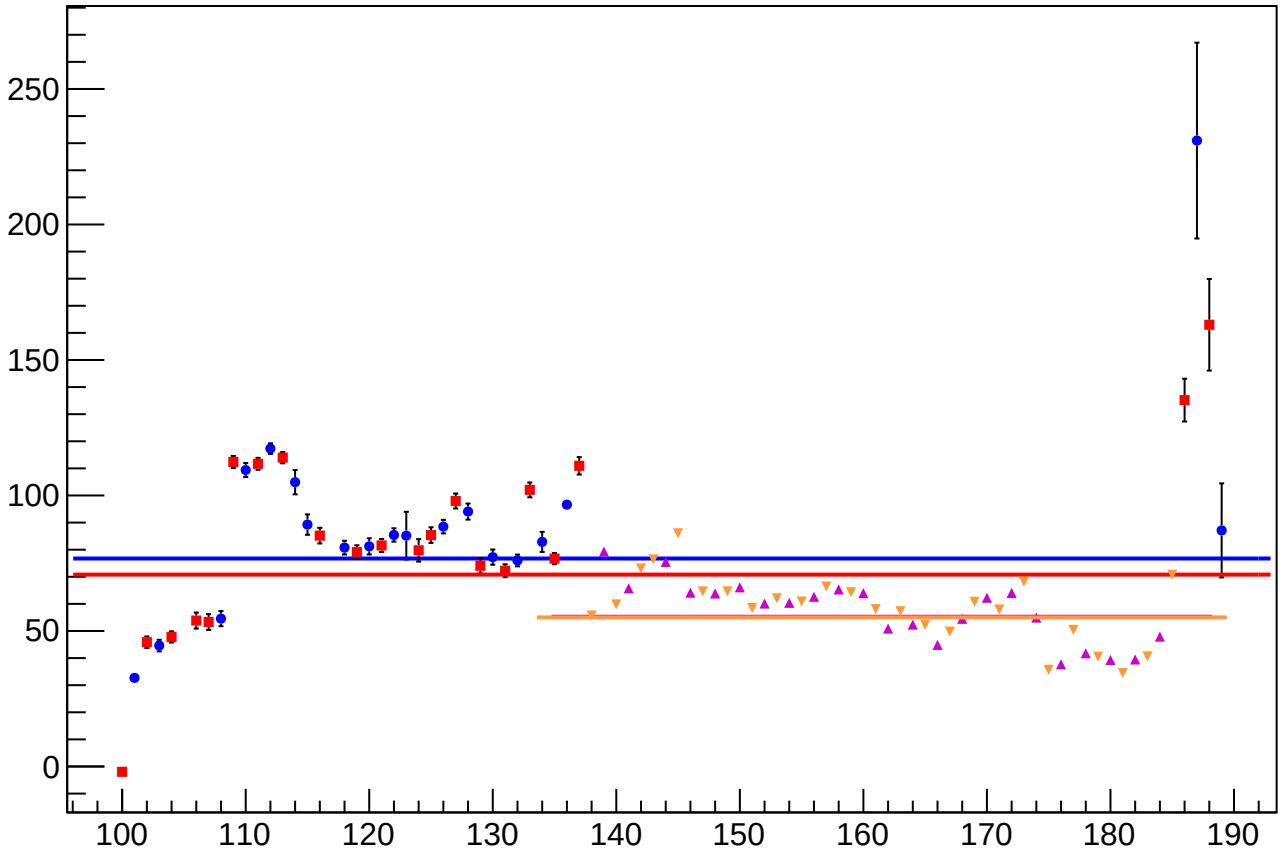
Right: 3.013+/-0.222 $\chi^2$/NDF: 586.8/39

In: -0.167+/-0.135 $\chi^2$/NDF:1497.7/41

Out: 0.119+/-0.133 $\chi^2$/NDF:1729.8/45

All: -0.022+/-0.095 $\chi^2$/NDF: 3229.8/87

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 76.737+/-0.573 $\chi^2$/NDF: 2283.7/18

Left Out: 55.008+/-0.192 $\chi^2$/NDF:4502.1/24

Right Out: 70.796+/-0.548 $\chi^2$/NDF: 4488.0/20

Left In: 55.252+/-0.193 $\chi^2$/NDF:3786.2/22

Left: 55.129+/-0.136 $\chi^2$/NDF: 8289.0/47

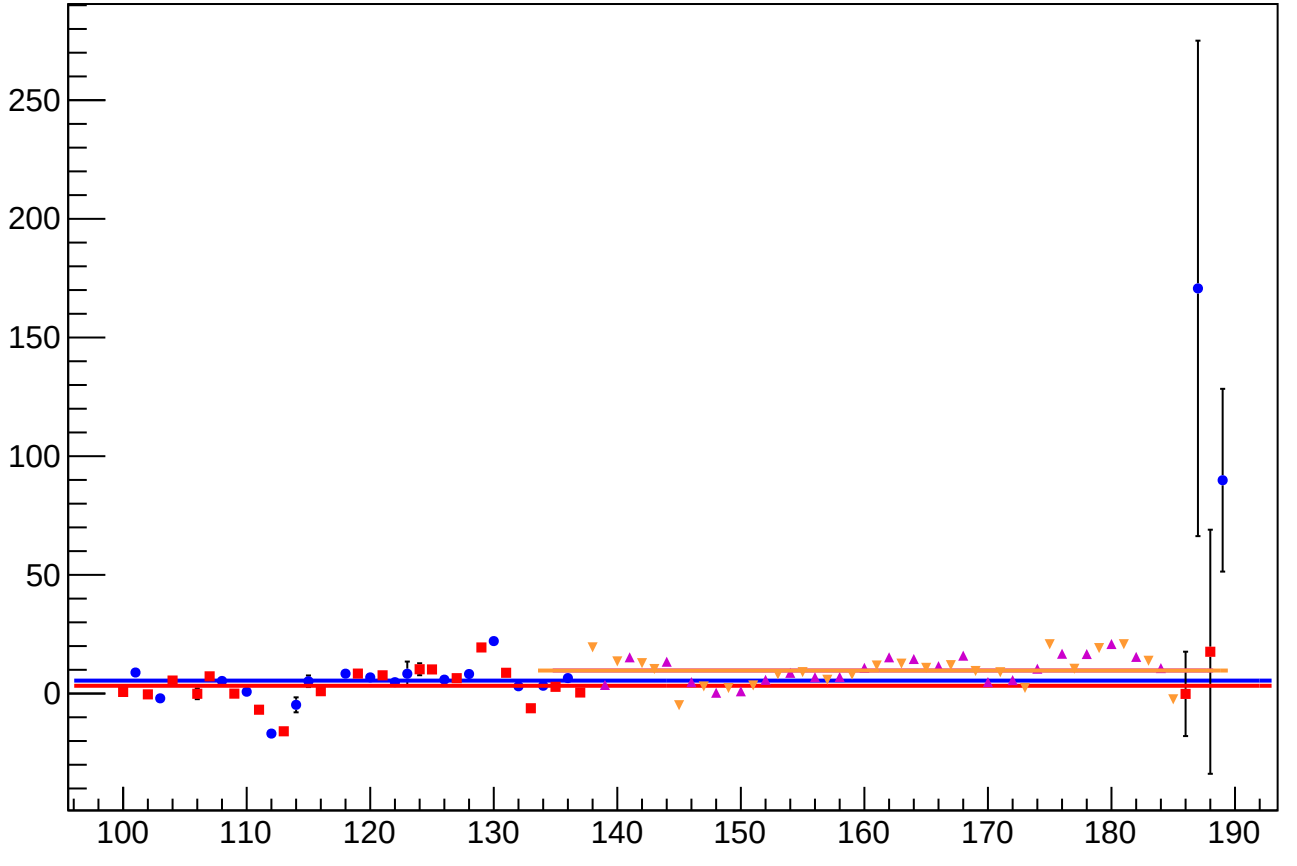
Right: 73.633+/-0.396 $\chi^2$/NDF: 6827.8/39

In: 57.438+/-0.183 $\chi^2$/NDF:7331.7/41

Out: 56.733+/-0.181 $\chi^2$/NDF:9729.1/45

All: 57.082+/-0.129 $\chi^2$/NDF: 17068.3/87

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 5.448+/-0.357 $\chi^2$/NDF: 393.3/18

Left Out: 9.691+/-0.168 $\chi^2$/NDF:1440.3/24

Right Out: 3.274+/-0.365 $\chi^2$/NDF: 425.9/20

Left In: 9.708+/-0.171 $\chi^2$/NDF:1198.0/22

Left: 9.699+/-0.120 $\chi^2$/NDF: 2638.3/47

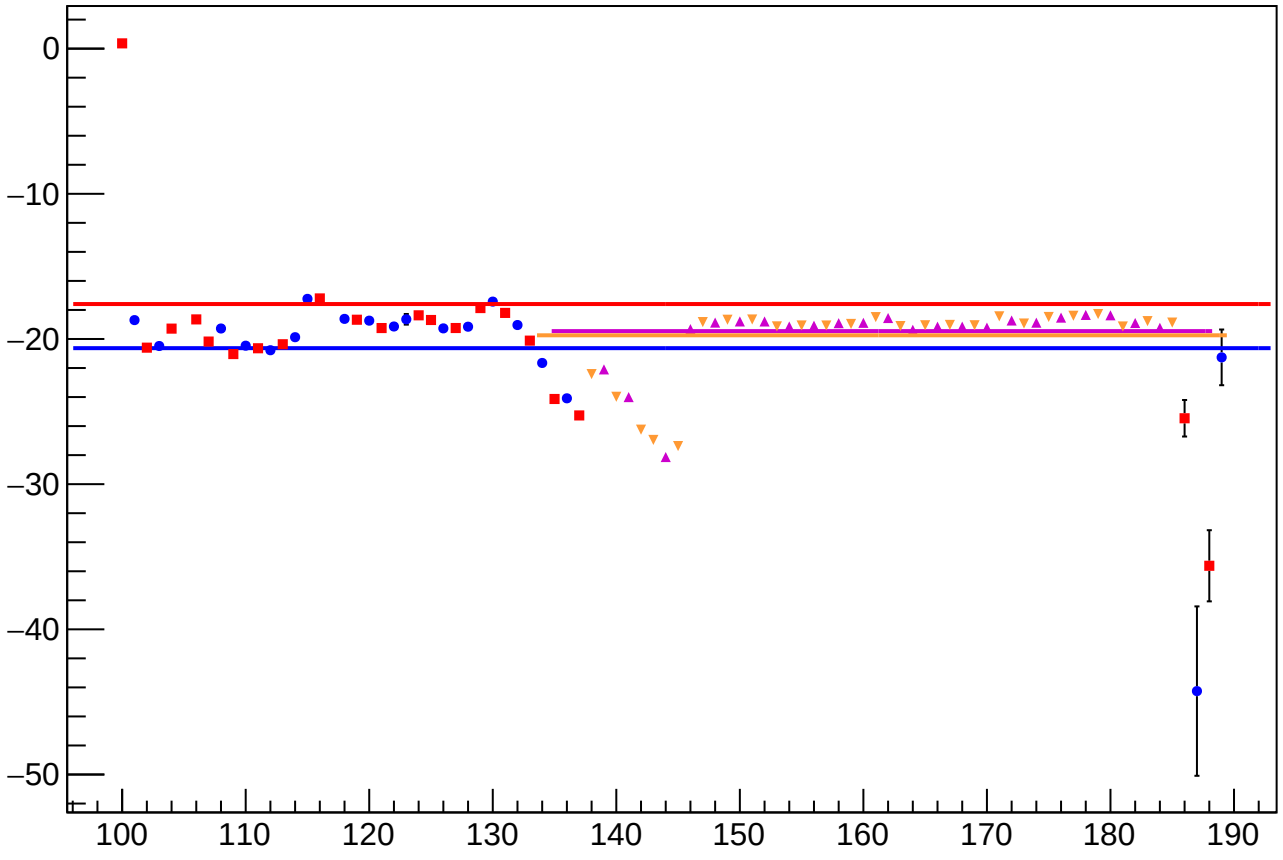
Right: 4.385+/-0.255 $\chi^2$/NDF: 837.2/39

In: 8.912+/-0.155 $\chi^2$/NDF:1706.7/41

Out: 8.568+/-0.153 $\chi^2$/NDF:2120.7/45

All: 8.738+/-0.109 $\chi^2$/NDF: 3830.0/87

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -20.632+/-0.019 $\chi^2$/NDF: 12547.3/18

Left Out: -19.746+/-0.008 $\chi^2$/NDF:88374.4/24

Right Out: -17.593+/-0.018 $\chi^2$/NDF: 178774.0/20

Left In: -19.457+/-0.008 $\chi^2$/NDF:53995.4/22

Left: -19.602+/-0.006 $\chi^2$/NDF: 143036.3/47

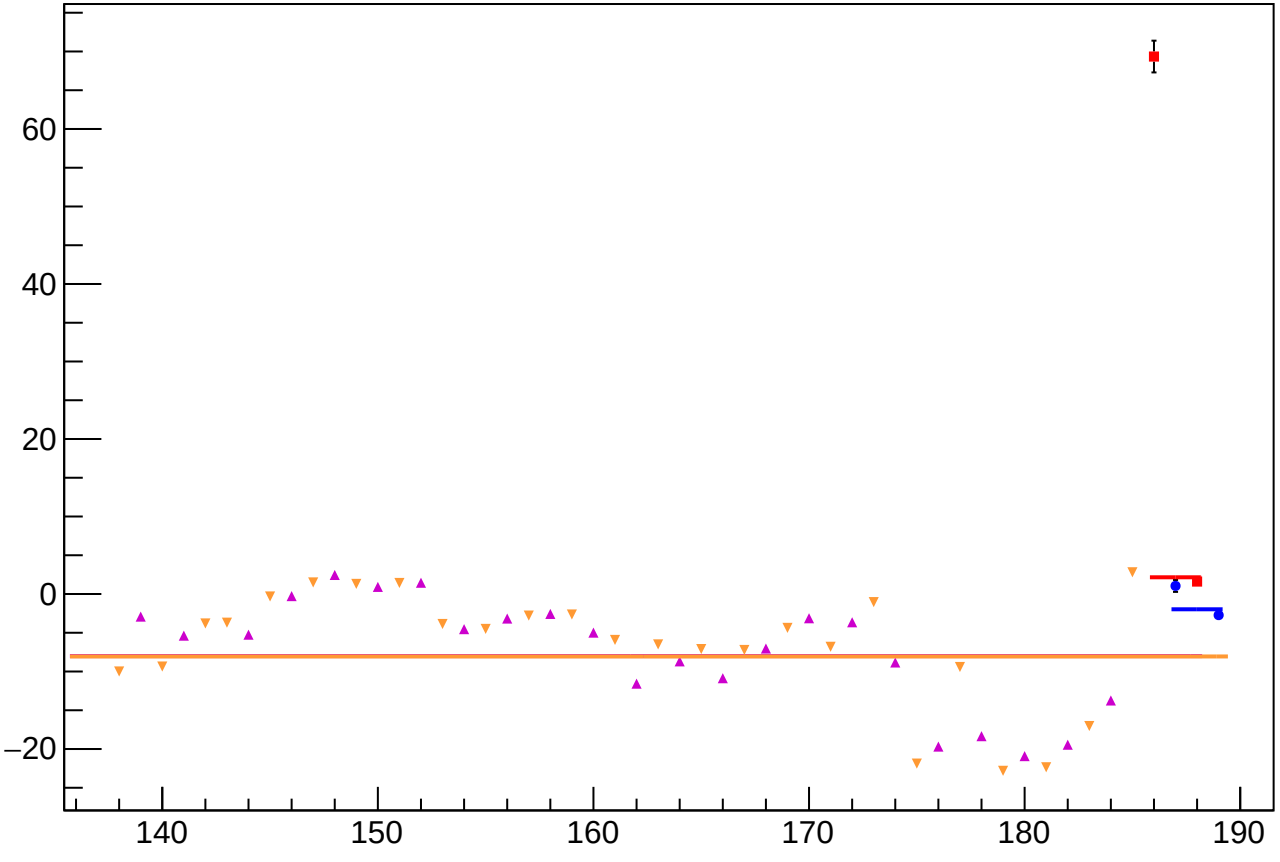
Right: -19.009+/-0.013 $\chi^2$/NDF: 204578.8/39

In: -19.627+/-0.007 $\chi^2$/NDF:69715.9/41

Out: -19.398+/-0.007 $\chi^2$/NDF:279127.9/45

All: -19.511+/-0.005 $\chi^2$/NDF: 349335.2/87

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -1.972+/-0.344 $\chi^2$/NDF: 19.1/1

Left Out: -8.058+/-0.070 $\chi^2$/NDF:12532.2/24

Right Out: 2.157+/-0.185 $\chi^2$/NDF: 1085.0/1

Left In: -8.010+/-0.071 $\chi^2$/NDF:10631.2/22

Left: -8.034+/-0.050 $\chi^2$/NDF: 23163.6/47

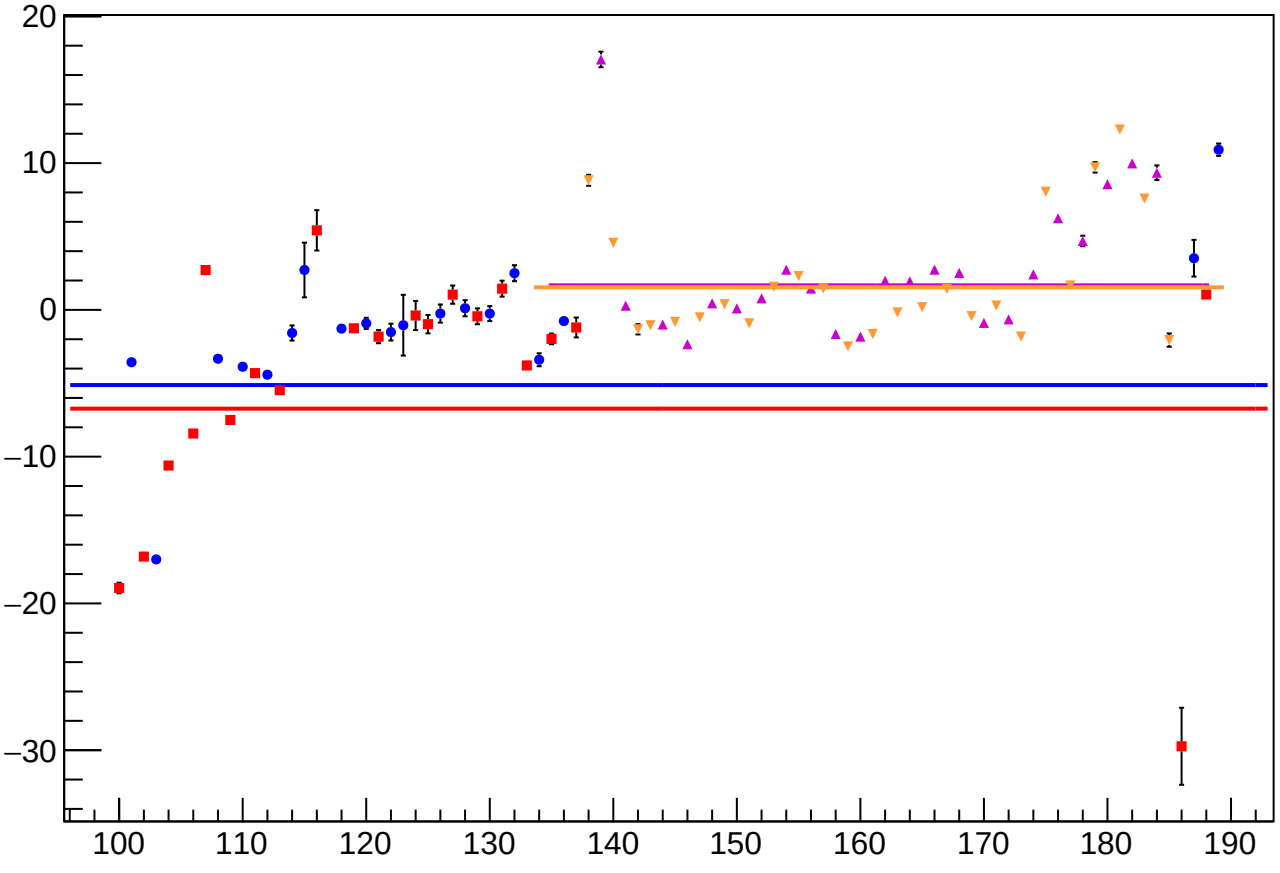
Right: 1.235+/-0.163 $\chi^2$/NDF: 1215.8/3

In: -7.761+/-0.070 $\chi^2$/NDF:10944.9/24

Out: -6.760+/-0.066 $\chi^2$/NDF:16289.4/26

All: -7.230+/-0.048 $\chi^2$/NDF: 27343.1/51

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -5.123+/-0.054 $\chi^2$/NDF: 10791.3/18

Left Out: 1.535+/-0.055 $\chi^2$/NDF:4816.7/24

Right Out: -6.731+/-0.058 $\chi^2$/NDF: 13198.5/20

Left In: 1.673+/-0.056 $\chi^2$/NDF:4106.3/22

Left: 1.602+/-0.039 $\chi^2$/NDF: 8926.1/47

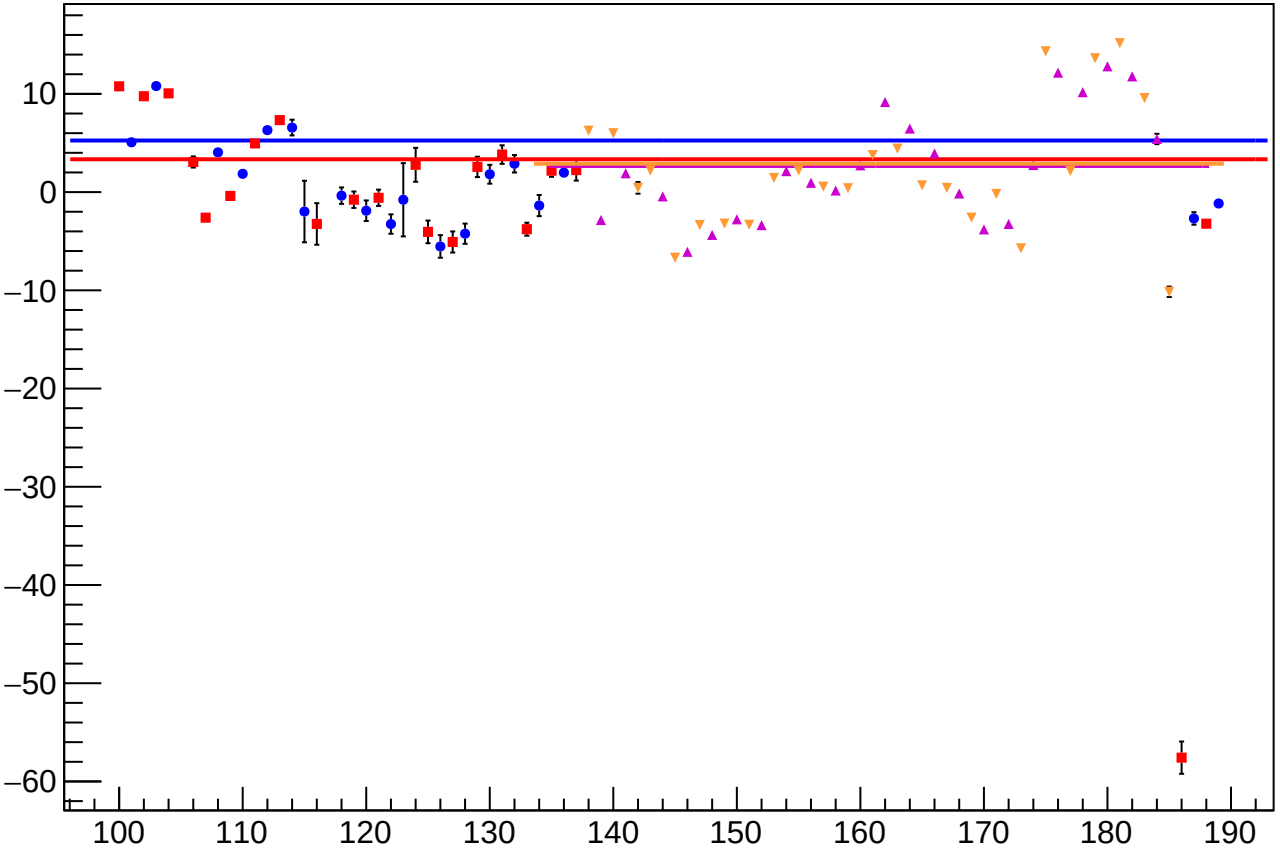
Right: -5.876+/-0.040 $\chi^2$/NDF: 24401.7/39

In: -1.859+/-0.039 $\chi^2$/NDF:22440.4/41

Out: -2.357+/-0.040 $\chi^2$/NDF:28846.9/45

All: -2.104+/-0.028 $\chi^2$/NDF: 51367.4/87

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 5.253+/-0.086 $\chi^2$/NDF: 1979.2/18

Left Out: 2.891+/-0.070 $\chi^2$/NDF:8889.4/24

Right Out: 3.342+/-0.079 $\chi^2$/NDF: 6784.7/20

Left In: 2.663+/-0.071 $\chi^2$/NDF:7308.8/22

Left: 2.778+/-0.050 $\chi^2$/NDF: 16203.4/47

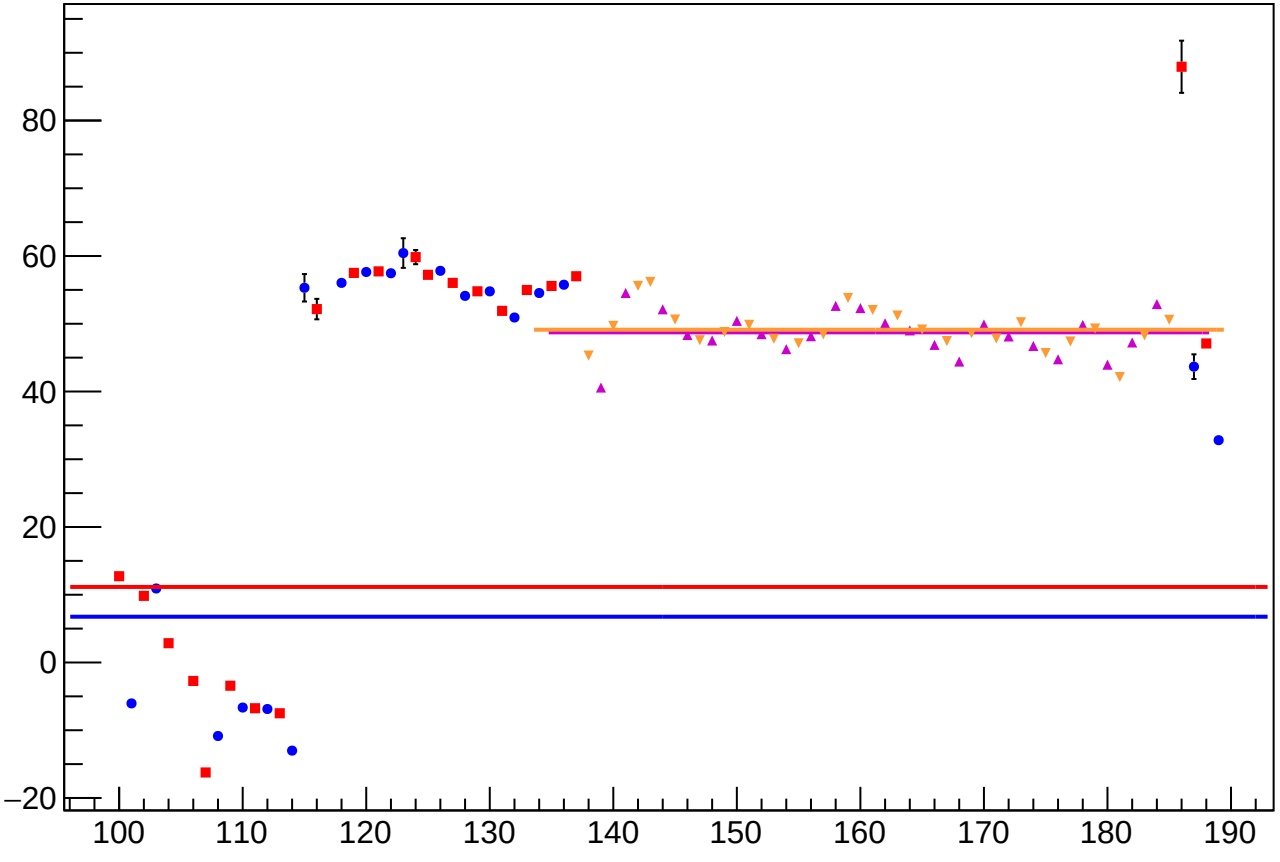
Right: 4.219+/-0.058 $\chi^2$/NDF: 9030.9/39

In: 3.713+/-0.055 $\chi^2$/NDF:9826.9/41

Out: 3.090+/-0.053 $\chi^2$/NDF:15692.2/45

All: 3.389+/-0.038 $\chi^2$/NDF: 25586.4/87

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 6.757+/-0.064 $\chi^2$/NDF: 125655.8/18

Left Out: 49.121+/-0.062 $\chi^2$/NDF:2165.4/24

Right Out: 11.153+/-0.069 $\chi^2$/NDF: 130345.9/20

Left In: 48.731+/-0.064 $\chi^2$/NDF:2117.7/22

Left: 48.931+/-0.044 $\chi^2$/NDF: 4302.5/47

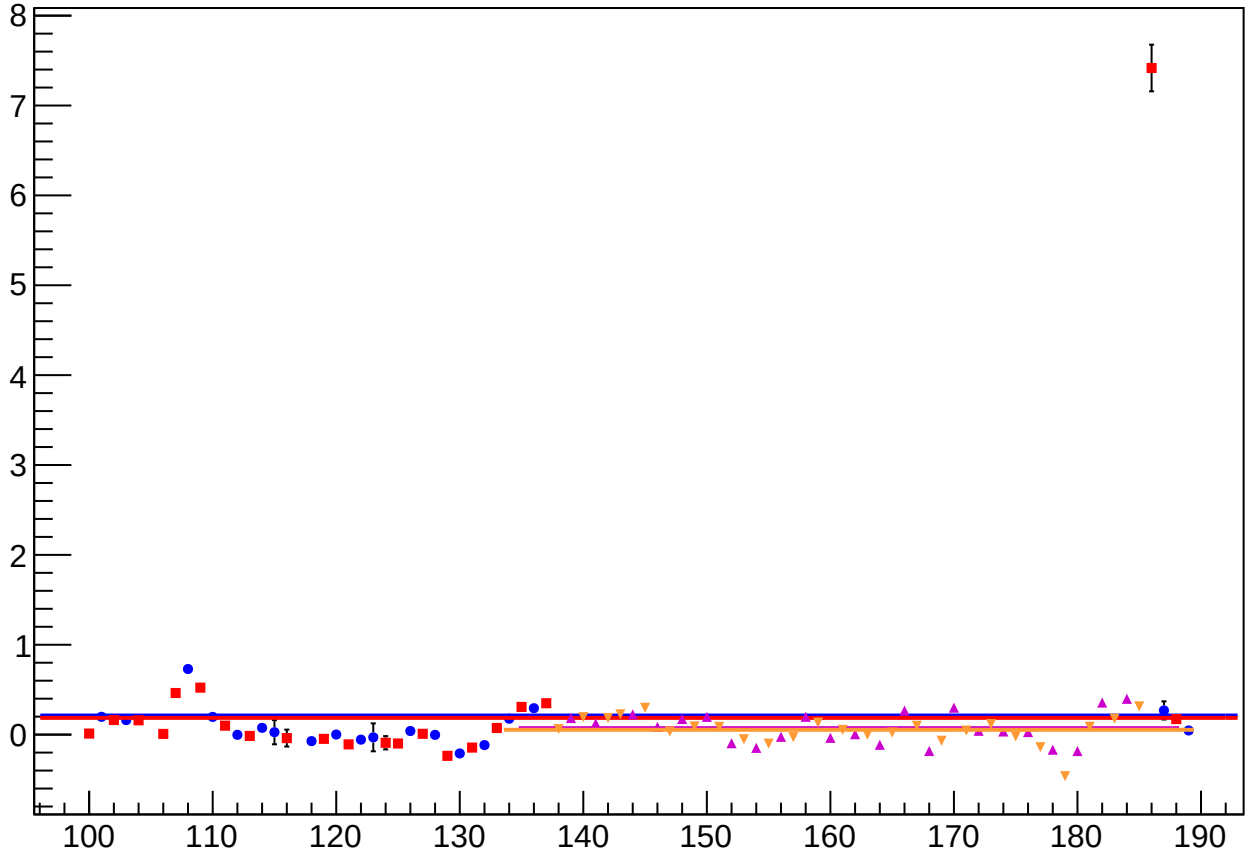
Right: 8.810+/-0.047 $\chi^2$/NDF: 258183.1/39

In: 27.993+/-0.045 $\chi^2$/NDF:343255.3/41

Out: 32.119+/-0.046 $\chi^2$/NDF:301090.3/45

All: 30.021+/-0.032 $\chi^2$/NDF: 648438.8/87

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.212+/-0.003 $\chi^2$/NDF: 3993.3/18

Left Out: 0.053+/-0.003 $\chi^2$/NDF:2369.3/24

Right Out: 0.186+/-0.003 $\chi^2$/NDF: 3497.4/20

Left In: 0.072+/-0.003 $\chi^2$/NDF:3272.0/22

Left: 0.063+/-0.002 $\chi^2$/NDF: 5662.5/47

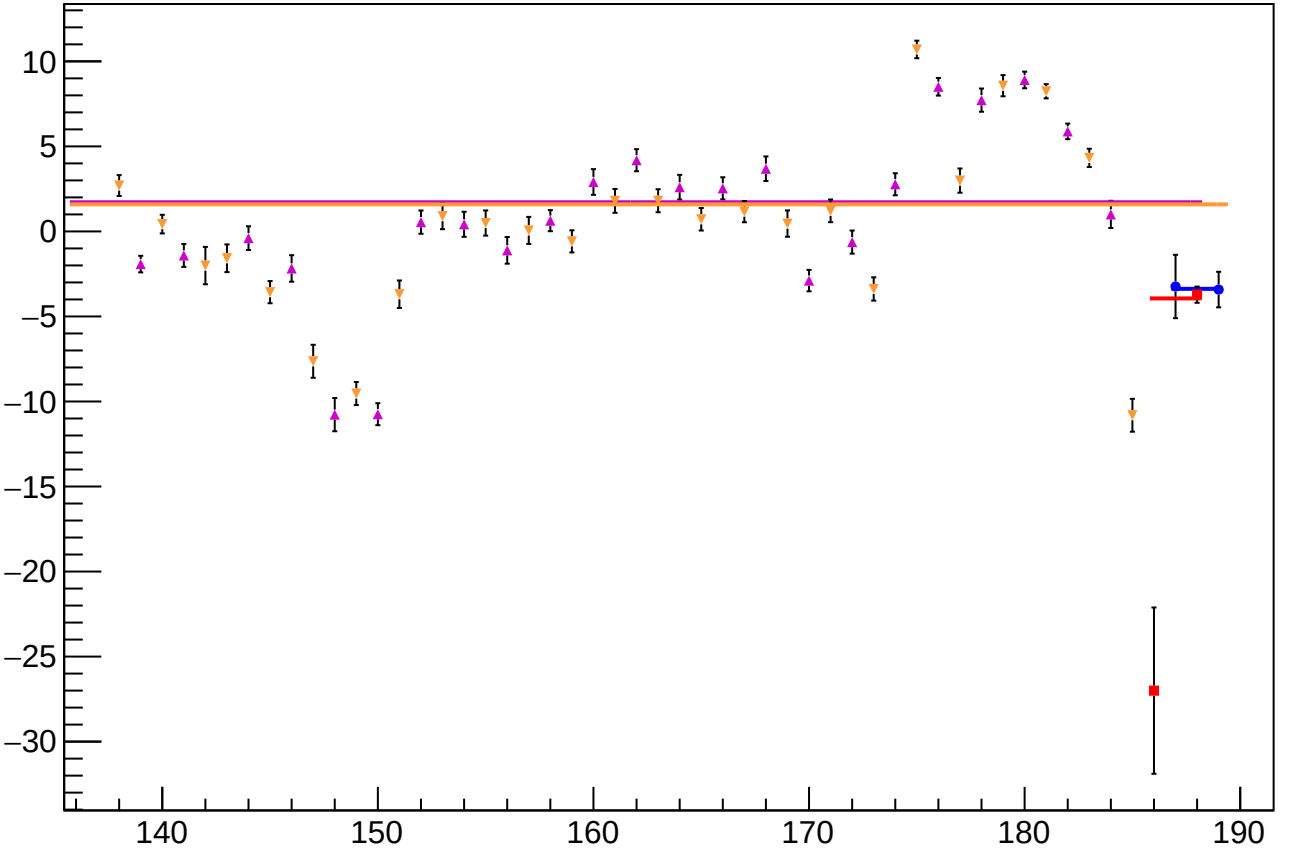
Right: 0.199+/-0.002 $\chi^2$/NDF: 7536.3/39

In: 0.145+/-0.002 $\chi^2$/NDF:8525.2/41

Out: 0.124+/-0.002 $\chi^2$/NDF:7041.3/45

All: 0.134+/-0.001 $\chi^2$/NDF: 15621.2/87

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -3.376+/-0.912 $\chi^2$/NDF: 0.0/1

Left Out: 1.590+/-0.133 $\chi^2$/NDF:1457.4/24

Right Out: -3.940+/-0.475 $\chi^2$/NDF: 22.5/1

Left In: 1.715+/-0.134 $\chi^2$/NDF:1313.5/22

Left: 1.652+/-0.094 $\chi^2$/NDF: 2771.4/47

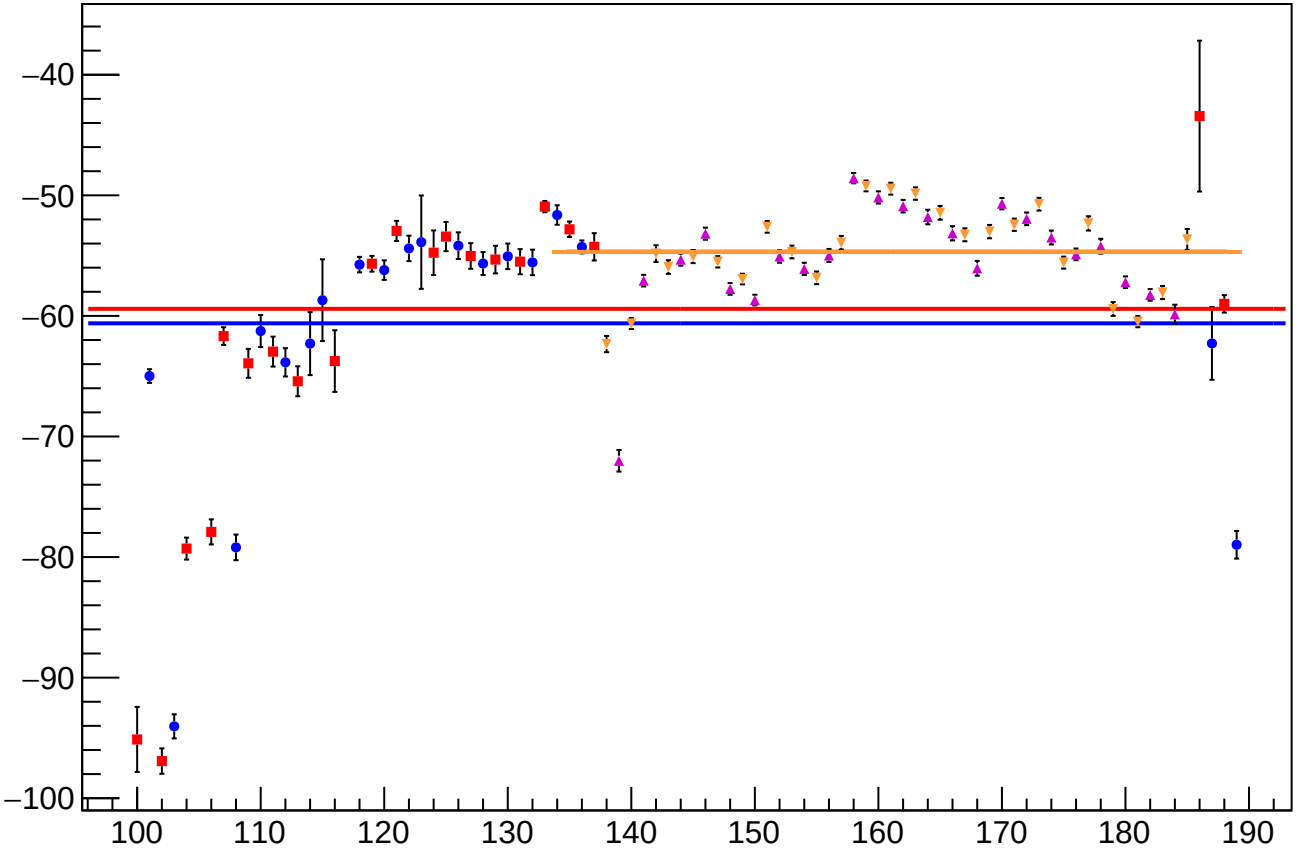
Right: -3.819+/-0.421 $\chi^2$/NDF: 22.8/3

In: 1.608+/-0.133 $\chi^2$/NDF:1344.0/24

Out: 1.188+/-0.128 $\chi^2$/NDF:1605.6/26

All: 1.390+/-0.092 $\chi^2$/NDF: 2954.8/51

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -60.617+/-0.218 $\chi^2$/NDF: 2245.6/18

Left Out: -54.701+/-0.106 $\chi^2$/NDF:1124.5/24

Right Out: -59.414+/-0.203 $\chi^2$/NDF: 2919.6/20

Left In: -54.677+/-0.109 $\chi^2$/NDF:1140.6/22

Left: -54.689+/-0.076 $\chi^2$/NDF: 2265.1/47

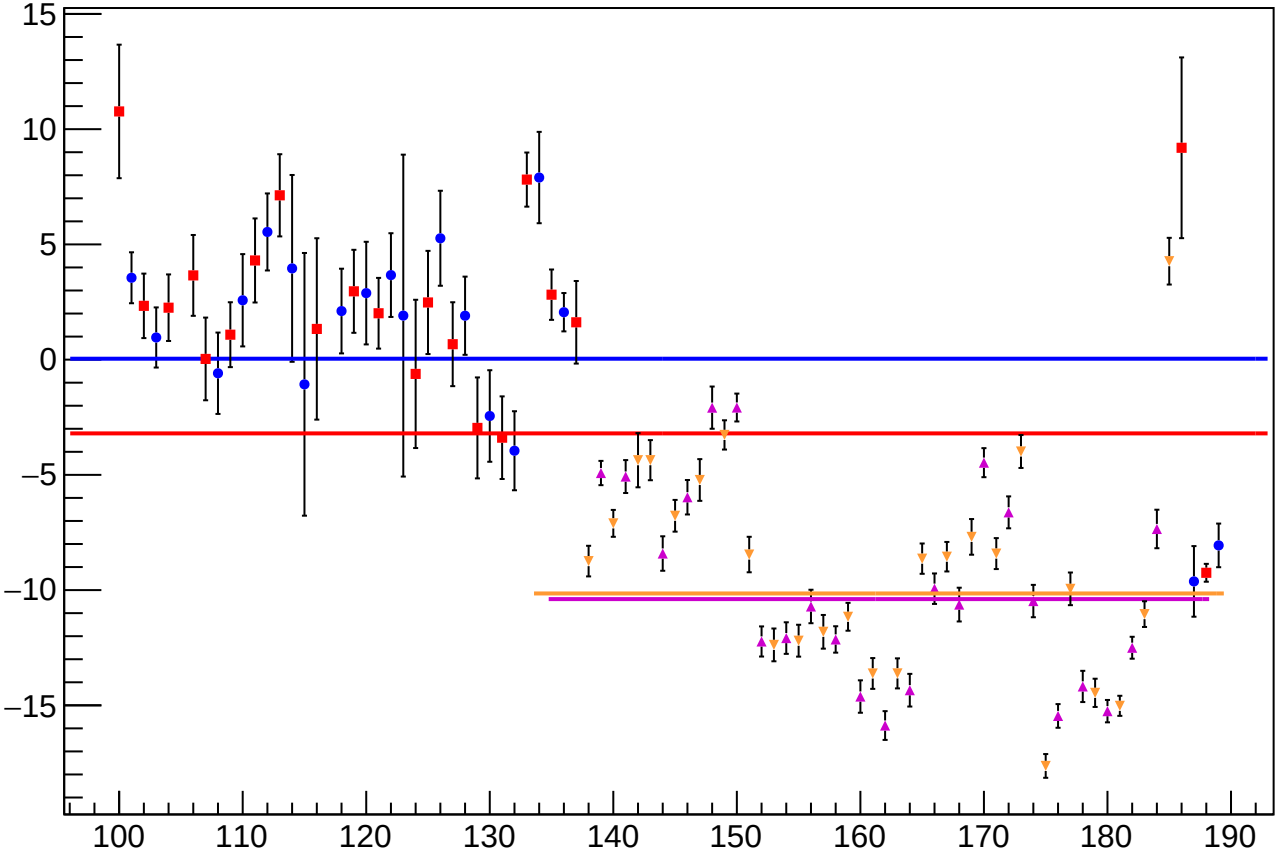
Right: -59.973+/-0.149 $\chi^2$/NDF: 5181.5/39

In: -55.870+/-0.098 $\chi^2$/NDF:3977.7/41

Out: -55.707+/-0.094 $\chi^2$/NDF:4466.3/45

All: -55.785+/-0.068 $\chi^2$/NDF: 8445.5/87

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 0.040+/-0.361 $\chi^2$/NDF: 180.3/18

Left Out: -10.146+/-0.133 $\chi^2$/NDF:1051.2/24

Right Out: -3.200+/-0.273 $\chi^2$/NDF: 546.9/20

Left In: -10.391+/-0.134 $\chi^2$/NDF:1024.8/22

Left: -10.268+/-0.094 $\chi^2$/NDF: 2077.6/47

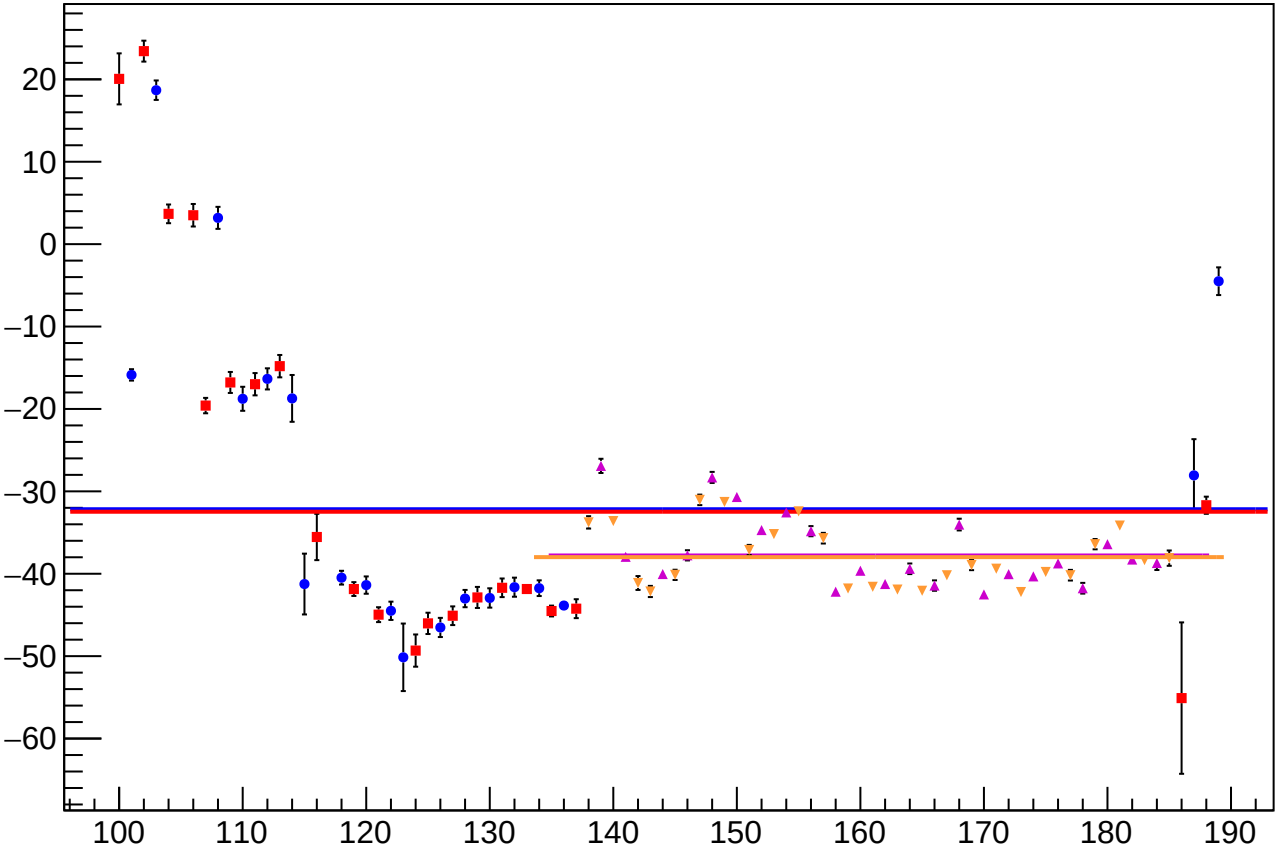
Right: -2.020+/-0.218 $\chi^2$/NDF: 778.4/39

In: -9.133+/-0.125 $\chi^2$/NDF:1938.5/41

Out: -8.816+/-0.120 $\chi^2$/NDF:2120.0/45

All: -8.967+/-0.087 $\chi^2$/NDF: 4061.9/87

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -32.171+/-0.251 $\chi^2$/NDF: 4944.9/18

Left Out: -37.983+/-0.119 $\chi^2$/NDF:936.9/24

Right Out: -32.474+/-0.237 $\chi^2$/NDF: 6044.5/20

Left In: -37.784+/-0.122 $\chi^2$/NDF:1079.7/22

Left: -37.886+/-0.085 $\chi^2$/NDF: 2018.0/47

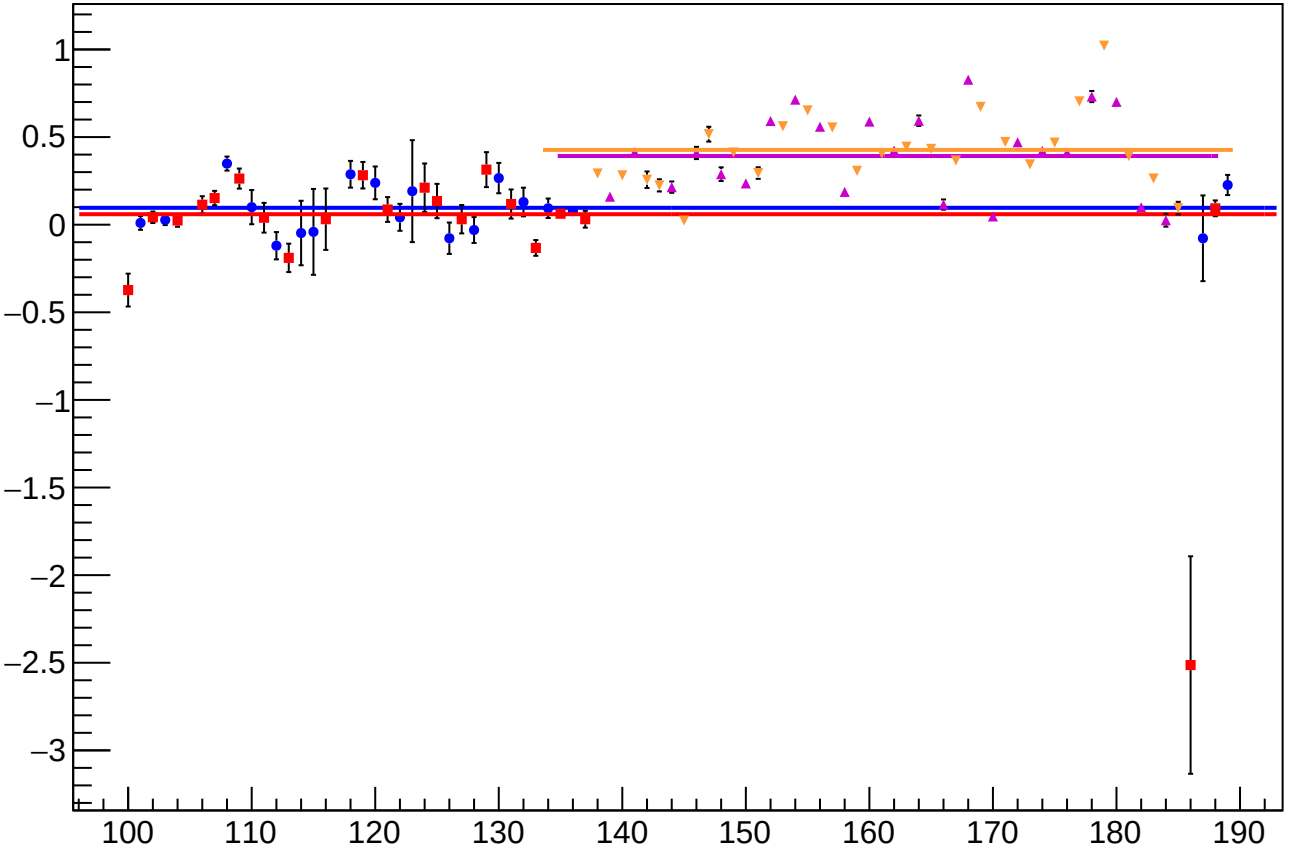
Right: -32.331+/-0.172 $\chi^2$/NDF: 10990.1/39

In: -36.711+/-0.110 $\chi^2$/NDF:6429.8/41

Out: -36.877+/-0.106 $\chi^2$/NDF:7411.8/45

All: -36.797+/-0.076 $\chi^2$/NDF: 13842.8/87

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.096+/-0.012 $\chi^2$/NDF: 85.1/18

Left Out: 0.427+/-0.005 $\chi^2$/NDF:1293.3/24

Right Out: 0.060+/-0.012 $\chi^2$/NDF: 105.1/20

Left In: 0.392+/-0.005 $\chi^2$/NDF:1835.6/22

Left: 0.409+/-0.004 $\chi^2$/NDF: 3150.1/47

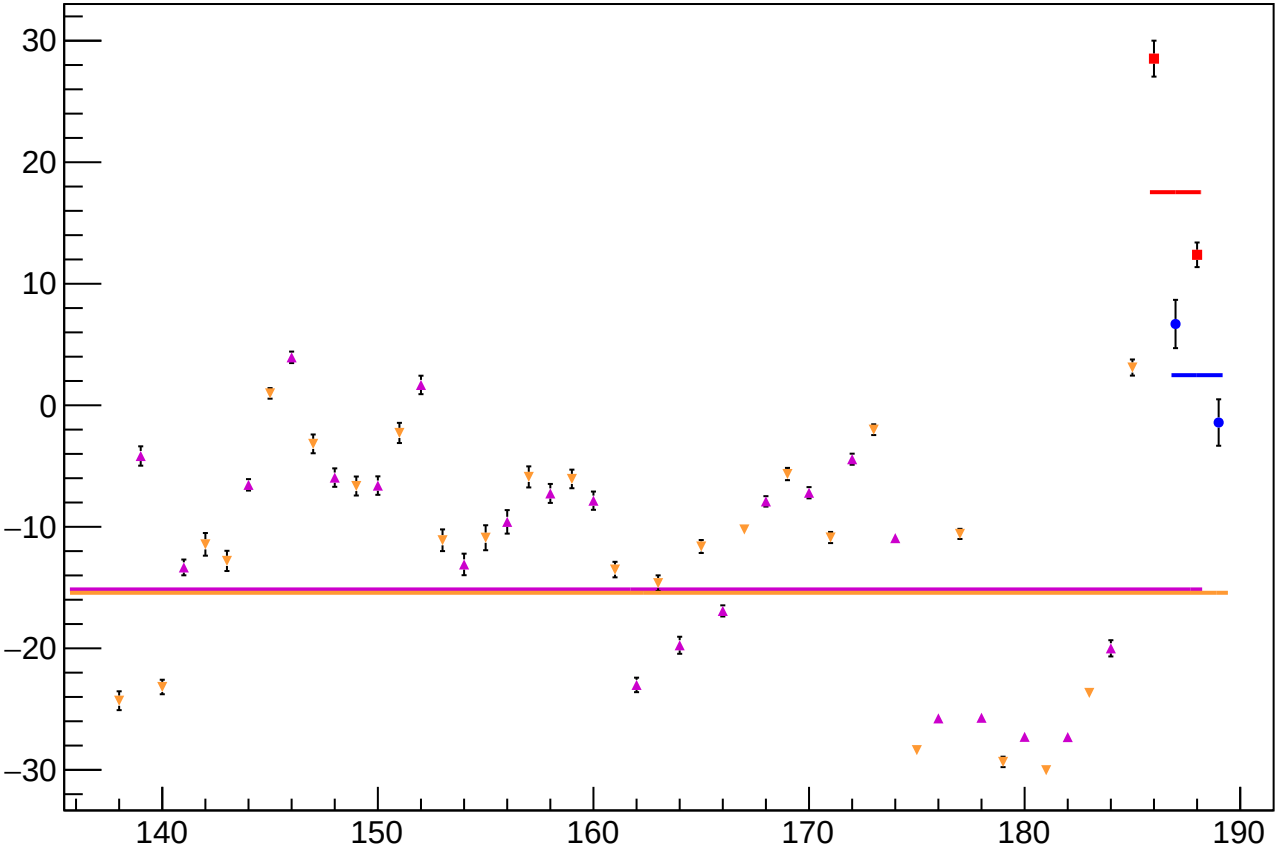
Right: 0.077+/-0.009 $\chi^2$/NDF: 194.7/39

In: 0.345+/-0.005 $\chi^2$/NDF:2398.6/41

Out: 0.363+/-0.005 $\chi^2$/NDF:2208.0/45

All: 0.354+/-0.003 $\chi^2$/NDF: 4613.3/87

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 2.479+/-1.377 $\chi^2$/NDF: 8.6/1

Left Out: -15.427+/-0.105 $\chi^2$/NDF:10499.6/24

Right Out: 17.537+/-0.836 $\chi^2$/NDF: 81.1/1

Left In: -15.151+/-0.106 $\chi^2$/NDF:8744.3/22

Left: -15.290+/-0.075 $\chi^2$/NDF: 19247.4/47

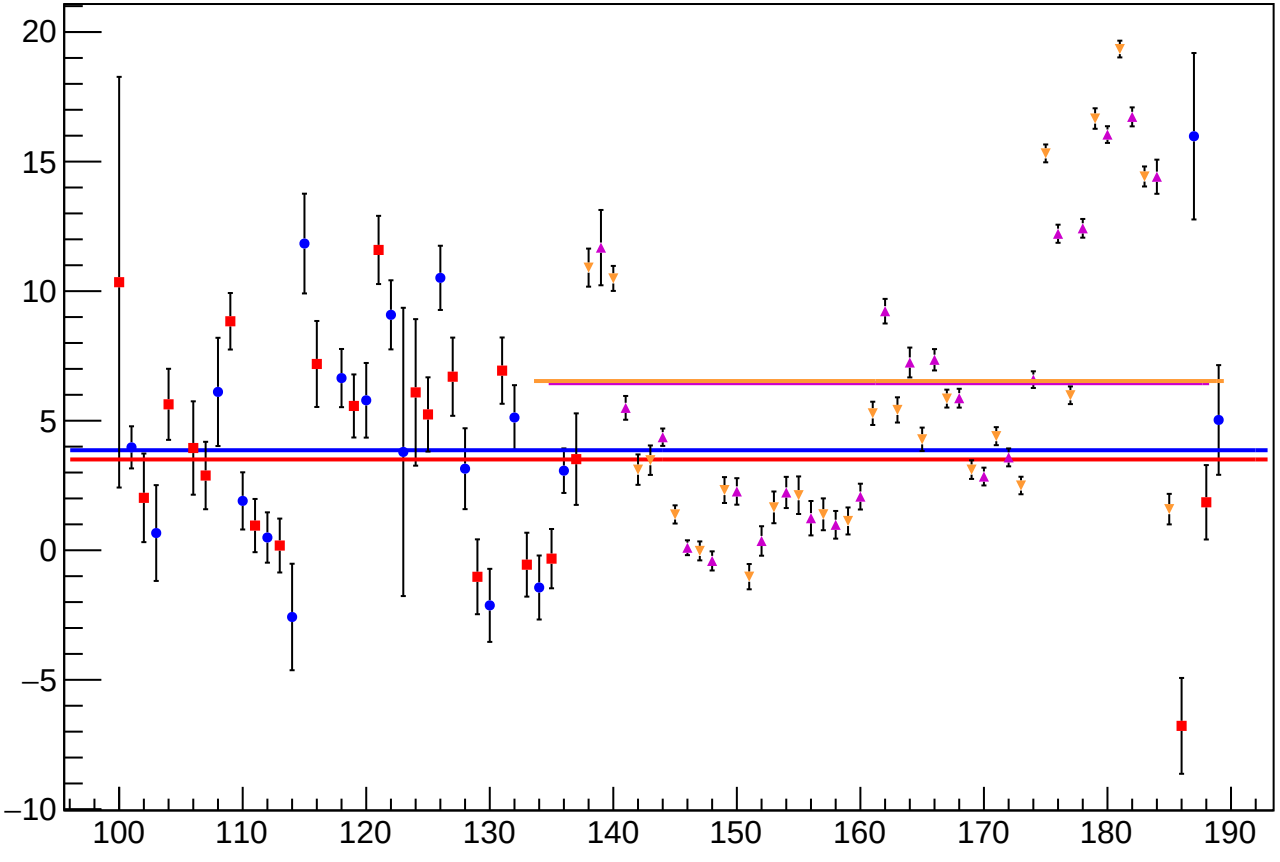
Right: 13.485+/-0.714 $\chi^2$/NDF: 177.1/3

In: -15.047+/-0.106 $\chi^2$/NDF:8915.8/24

Out: -14.912+/-0.104 $\chi^2$/NDF:12112.3/26

All: -14.978+/-0.074 $\chi^2$/NDF: 21028.9/51

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 3.861+/-0.304 $\chi^2$/NDF: 151.5/18

Left Out: 6.531+/-0.086 $\chi^2$/NDF:4969.5/24

Right Out: 3.504+/-0.305 $\chi^2$/NDF: 168.0/20

Left In: 6.448+/-0.086 $\chi^2$/NDF:3955.6/22

Left: 6.490+/-0.061 $\chi^2$/NDF: 8925.6/47

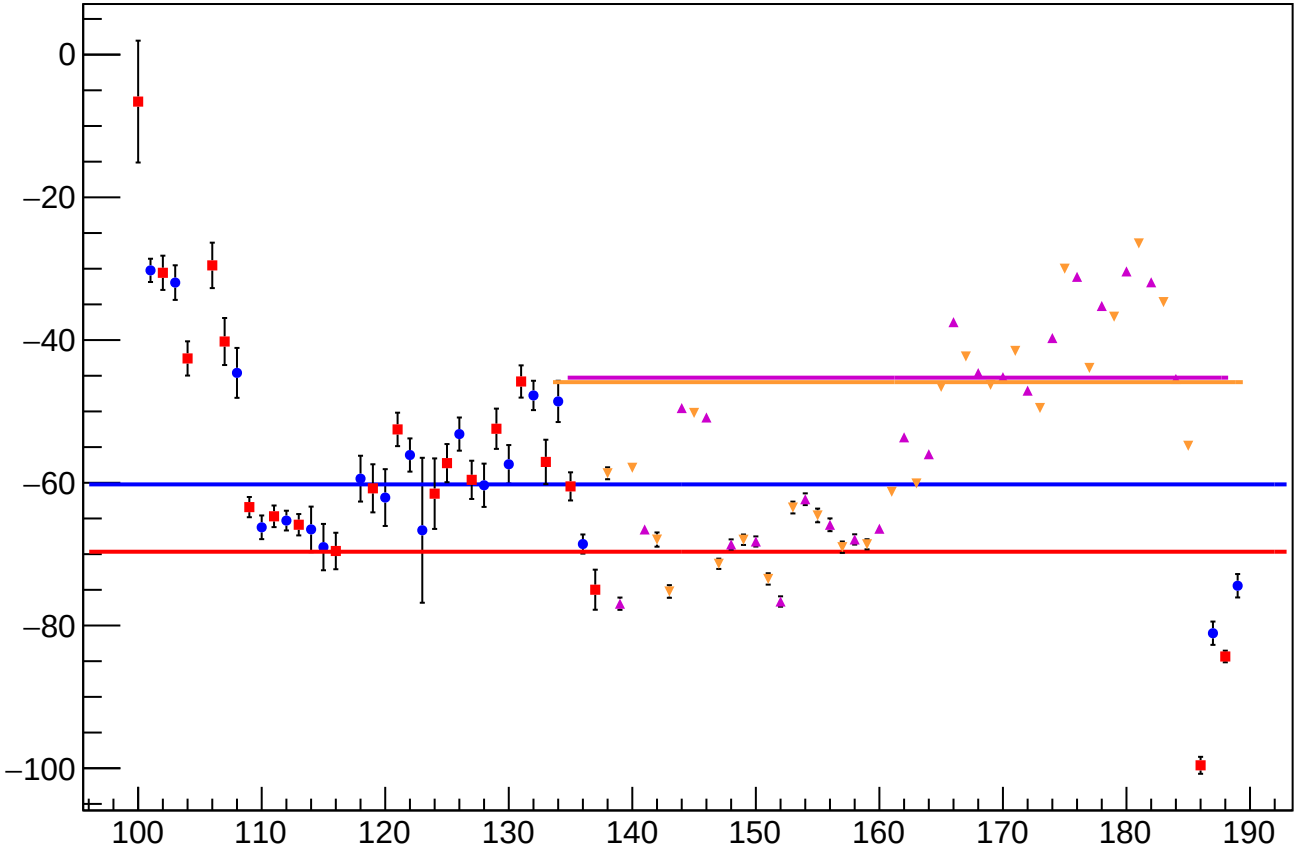
Right: 3.683+/-0.215 $\chi^2$/NDF: 320.2/39

In: 6.257+/-0.083 $\chi^2$/NDF:4174.2/41

Out: 6.310+/-0.082 $\chi^2$/NDF:5229.1/45

All: 6.283+/-0.058 $\chi^2$/NDF: 9403.5/87

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -60.224+/-0.491 $\chi^2$/NDF: 875.7/18

Left Out: -45.897+/-0.106 $\chi^2$/NDF:17133.8/24

Right Out: -69.660+/-0.419 $\chi^2$/NDF: 1969.2/20

Left In: -45.268+/-0.107 $\chi^2$/NDF:15775.7/22

Left: -45.584+/-0.075 $\chi^2$/NDF: 32927.0/47

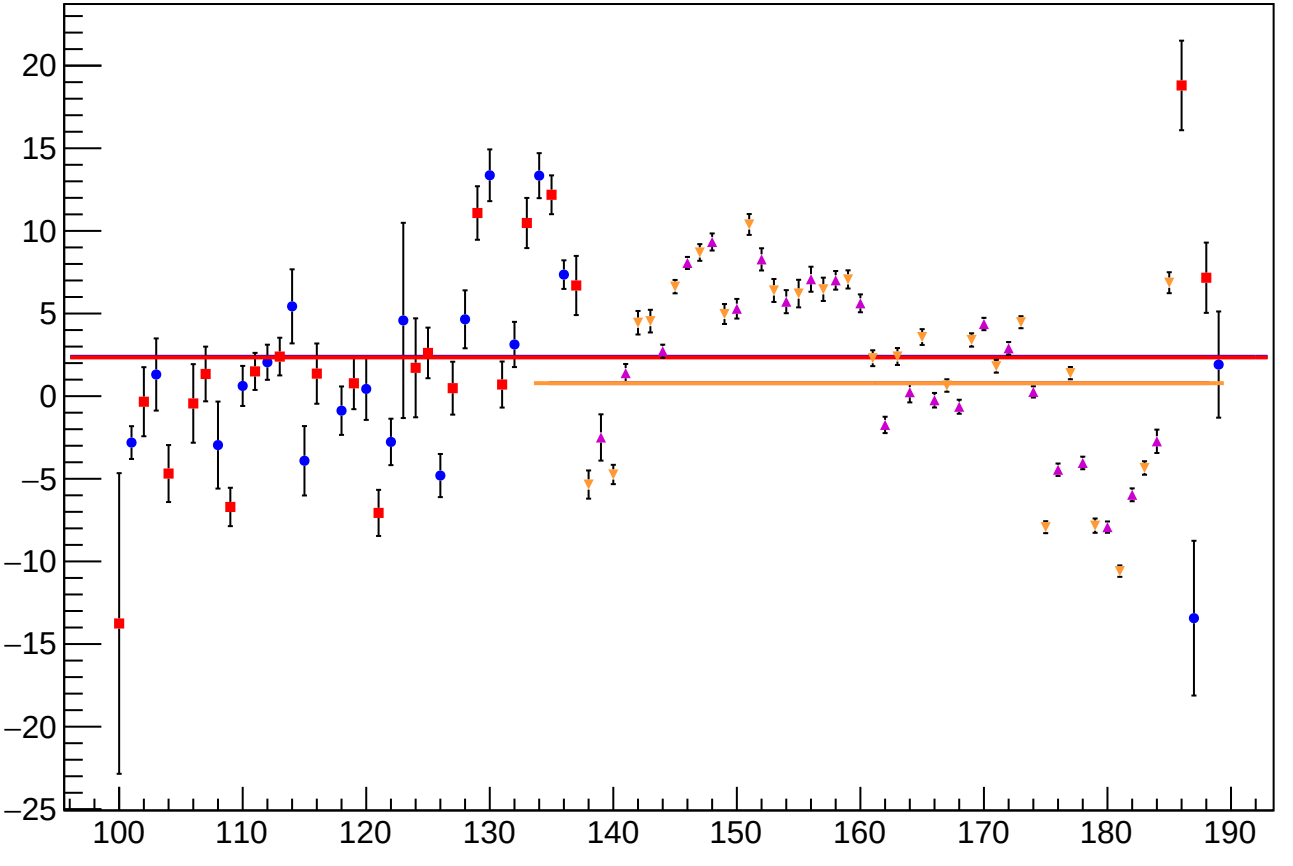
Right: -65.680+/-0.319 $\chi^2$/NDF: 3058.7/39

In: -45.944+/-0.104 $\chi^2$/NDF:17538.1/41

Out: -47.334+/-0.103 $\chi^2$/NDF:22121.9/45

All: -46.647+/-0.073 $\chi^2$/NDF: 39749.8/87

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 2.381+/-0.343 $\chi^2$/NDF: 255.1/18

Left Out: 0.787+/-0.096 $\chi^2$/NDF:3746.7/24

Right Out: 2.345+/-0.347 $\chi^2$/NDF: 310.1/20

Left In: 0.791+/-0.096 $\chi^2$/NDF:2697.7/22

Left: 0.789+/-0.068 $\chi^2$/NDF: 6444.4/47

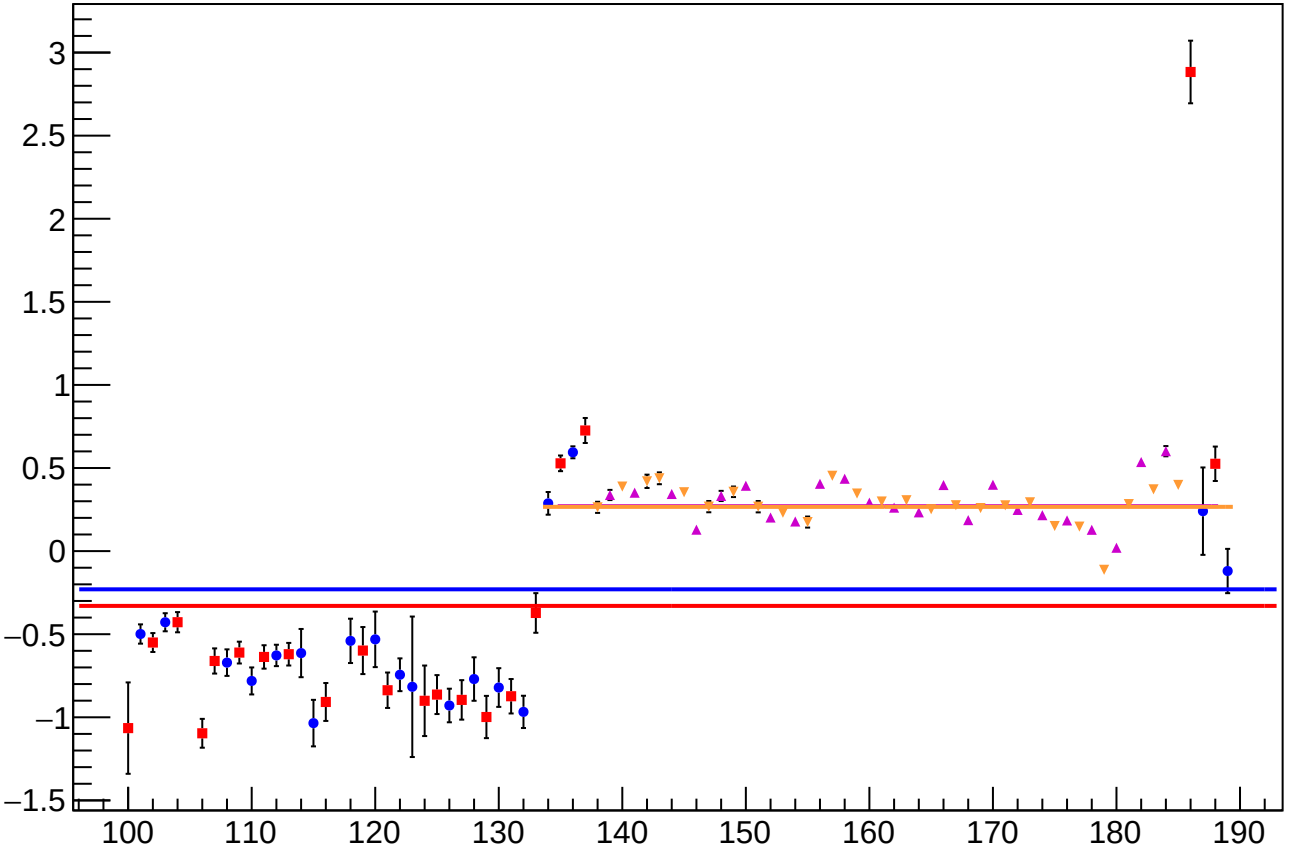
Right: 2.363+/-0.244 $\chi^2$/NDF: 565.1/39

In: 0.907+/-0.093 $\chi^2$/NDF:2972.7/41

Out: 0.896+/-0.092 $\chi^2$/NDF:4075.5/45

All: 0.902+/-0.065 $\chi^2$/NDF: 7048.2/87

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.230+/-0.019 $\chi^2$/NDF: 962.4/18

Left Out: 0.266+/-0.004 $\chi^2$/NDF:698.1/24

Right Out: -0.330+/-0.019 $\chi^2$/NDF: 1222.5/20

Left In: 0.270+/-0.004 $\chi^2$/NDF:973.5/22

Left: 0.268+/-0.003 $\chi^2$/NDF: 1672.0/47

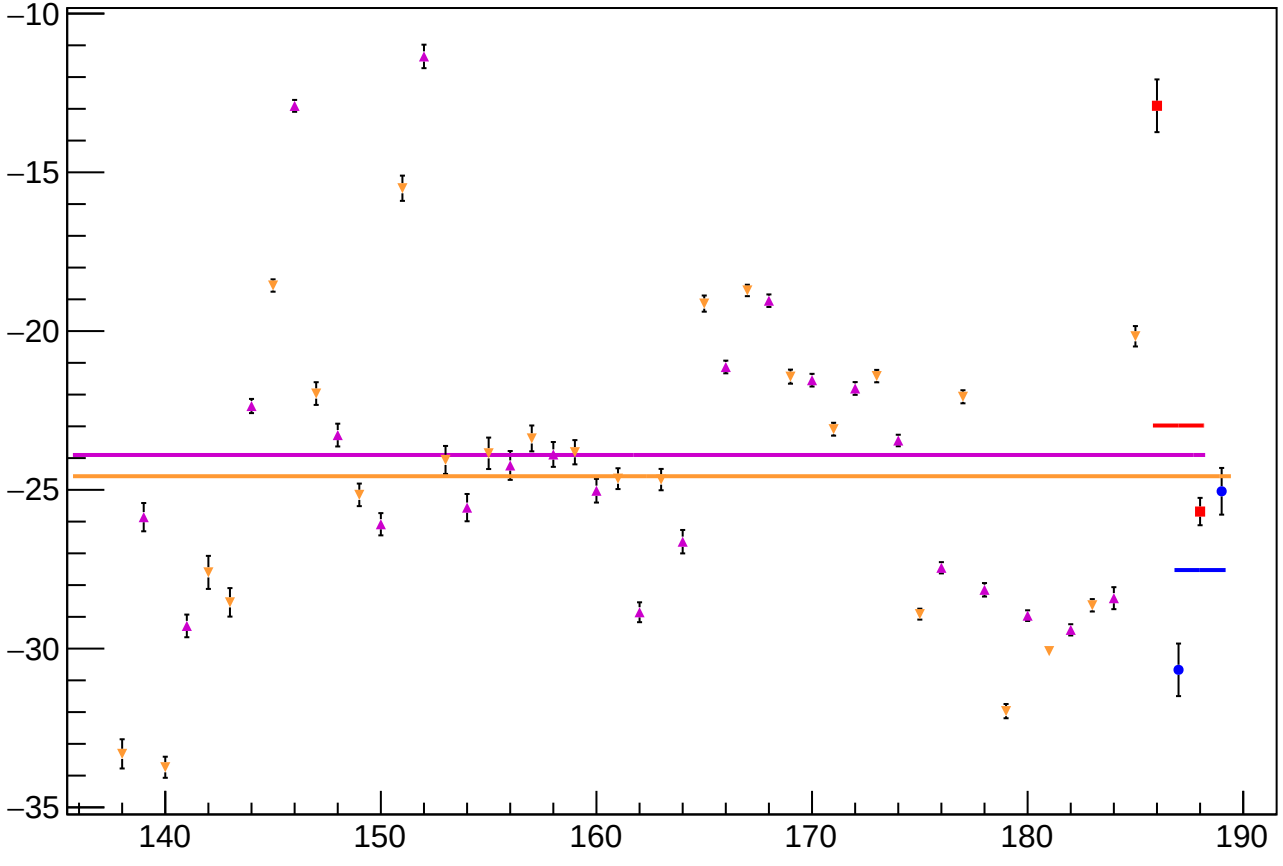
Right: -0.280+/-0.013 $\chi^2$/NDF: 2199.3/39

In: 0.244+/-0.004 $\chi^2$/NDF:2618.4/41

Out: 0.235+/-0.004 $\chi^2$/NDF:2898.3/45

All: 0.239+/-0.003 $\chi^2$/NDF: 5518.8/87

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -27.526+/-0.550 $\chi^2$/NDF: 25.8/1

Left Out: -24.571+/-0.051 $\chi^2$/NDF:8610.0/24

Right Out: -22.974+/-0.382 $\chi^2$/NDF: 186.6/1

Left In: -23.902+/-0.051 $\chi^2$/NDF:9158.9/22

Left: -24.236+/-0.036 $\chi^2$/NDF: 17855.2/47

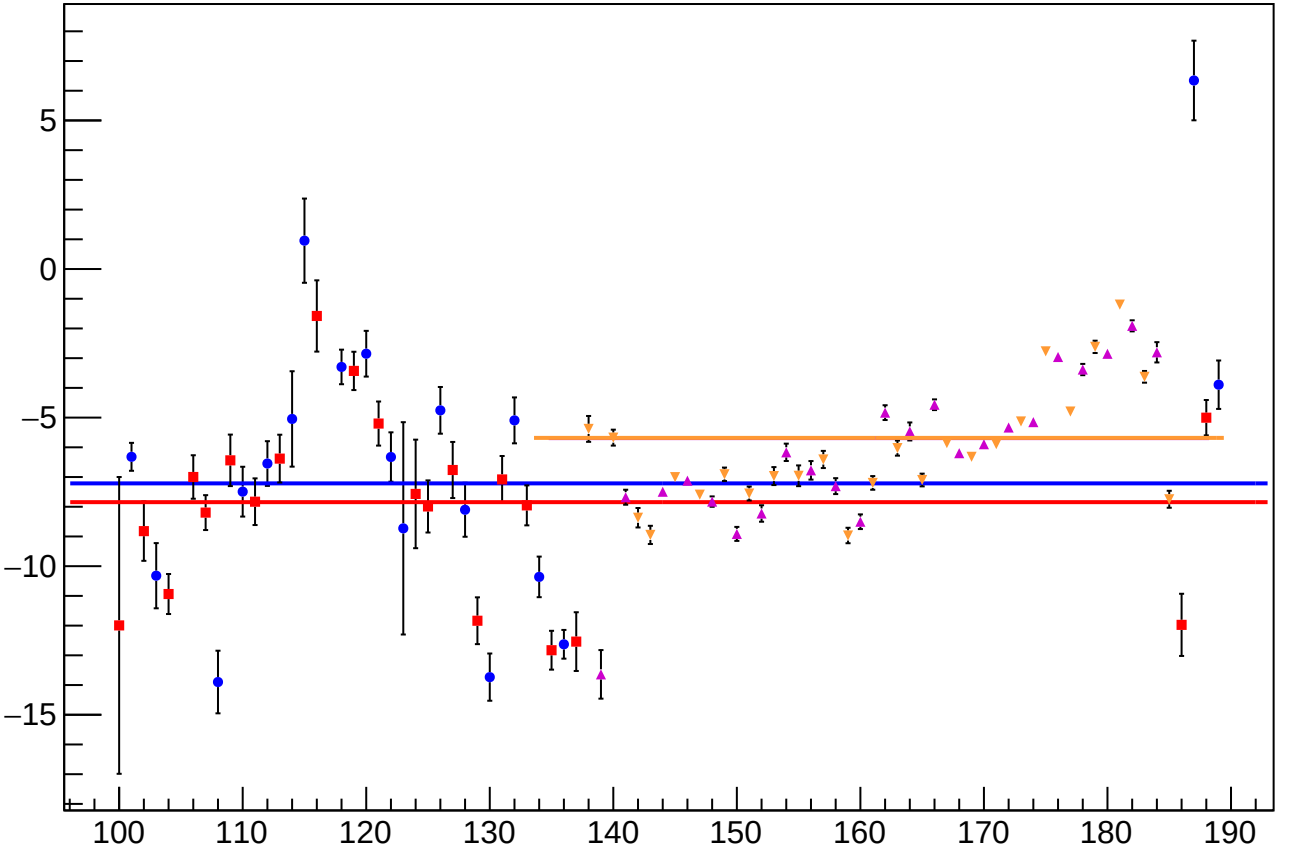
Right: -24.458+/-0.314 $\chi^2$/NDF: 258.6/3

In: -23.933+/-0.051 $\chi^2$/NDF:9227.8/24

Out: -24.543+/-0.051 $\chi^2$/NDF:8813.7/26

All: -24.238+/-0.036 $\chi^2$/NDF: 18114.3/51

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -7.214+/-0.179 $\chi^2$/NDF: 518.0/18

Left Out: -5.683+/-0.041 $\chi^2$/NDF:2231.0/24

Right Out: -7.845+/-0.175 $\chi^2$/NDF: 264.5/20

Left In: -5.690+/-0.041 $\chi^2$/NDF:2328.2/22

Left: -5.686+/-0.029 $\chi^2$/NDF: 4559.2/47

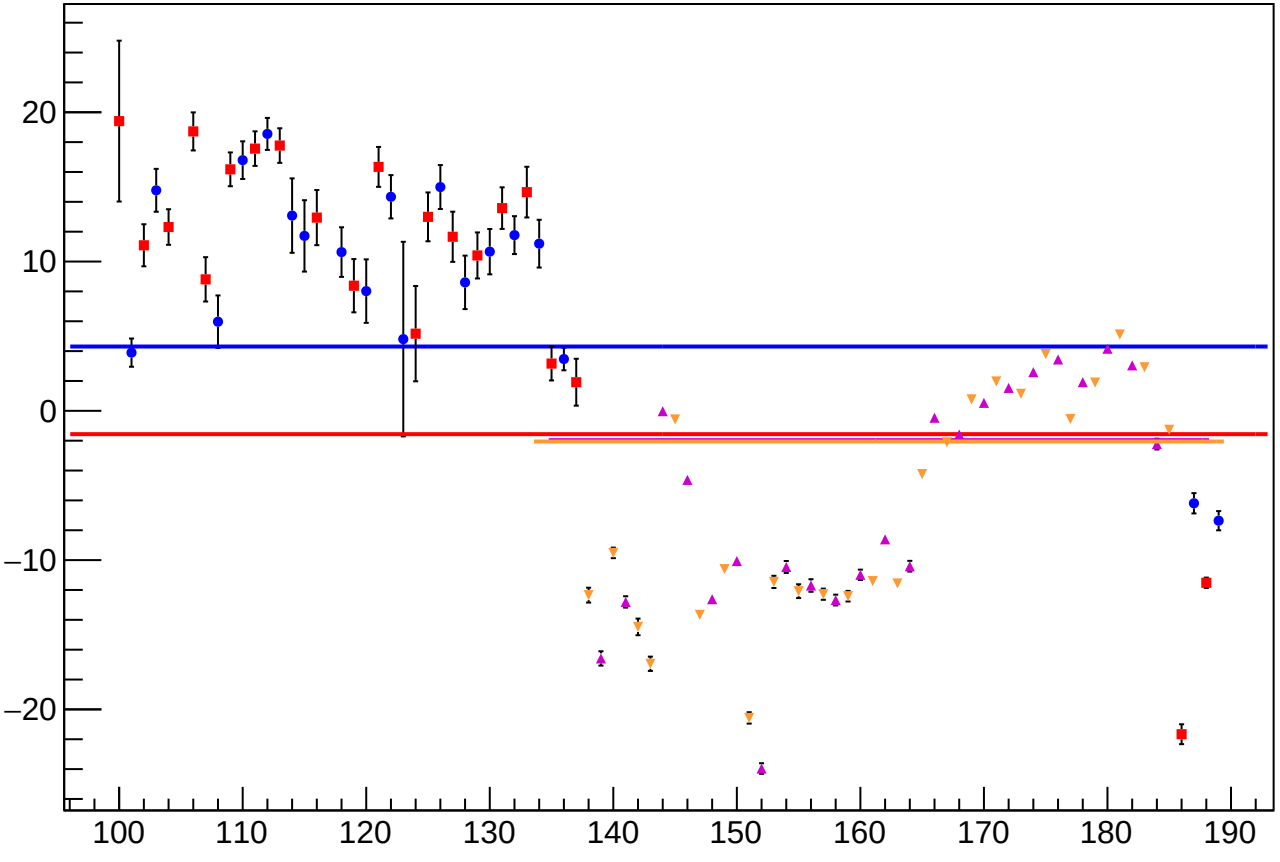
Right: -7.537+/-0.125 $\chi^2$/NDF: 788.9/39

In: -5.764+/-0.040 $\chi^2$/NDF:2914.9/41

Out: -5.796+/-0.040 $\chi^2$/NDF:2640.3/45

All: -5.780+/-0.028 $\chi^2$/NDF: 5555.6/87

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 4.307+/-0.273 $\chi^2$/NDF: 1113.4/18

Left Out: -2.055+/-0.051 $\chi^2$/NDF:16042.5/24

Right Out: -1.563+/-0.226 $\chi^2$/NDF: 3776.6/20

Left In: -1.963+/-0.051 $\chi^2$/NDF:15492.9/22

Left: -2.009+/-0.036 $\chi^2$/NDF: 31537.0/47

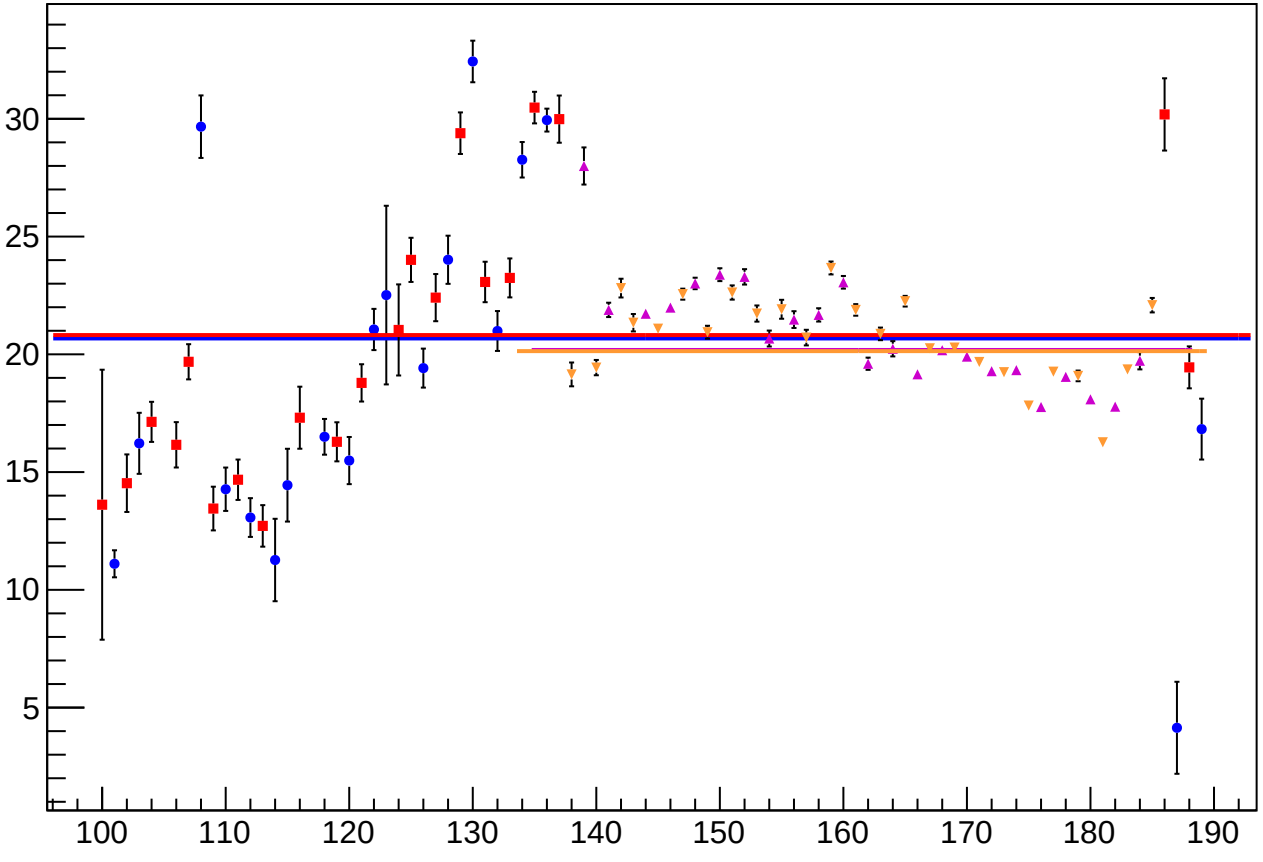
Right: 0.817+/-0.174 $\chi^2$/NDF: 5164.4/39

In: -1.751+/-0.050 $\chi^2$/NDF:17115.1/41

Out: -2.031+/-0.050 $\chi^2$/NDF:19823.7/45

All: -1.891+/-0.035 $\chi^2$/NDF: 36954.3/87

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 20.674+/-0.206 $\chi^2$/NDF: 1307.9/18

Left Out: 20.136+/-0.046 $\chi^2$/NDF:1414.2/24

Right Out: 20.817+/-0.205 $\chi^2$/NDF: 769.8/20

Left In: 20.184+/-0.046 $\chi^2$/NDF:1470.7/22

Left: 20.160+/-0.032 $\chi^2$/NDF: 2885.5/47

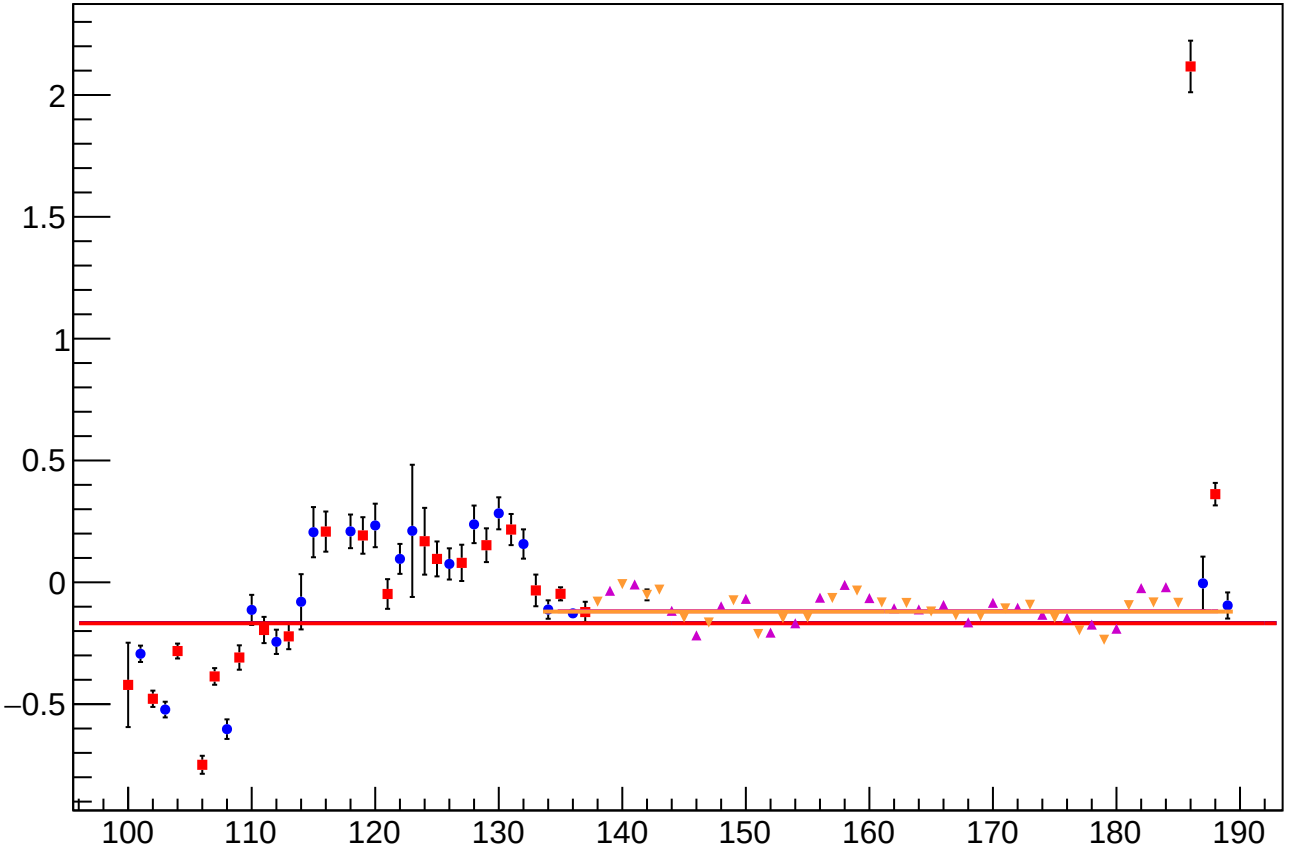
Right: 20.746+/-0.145 $\chi^2$/NDF: 2077.9/39

In: 20.207+/-0.045 $\chi^2$/NDF:2784.0/41

Out: 20.169+/-0.045 $\chi^2$/NDF:2194.6/45

All: 20.188+/-0.032 $\chi^2$/NDF: 4978.9/87

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.167+/-0.011 $\chi^2$/NDF: 468.4/18

Left Out: -0.120+/-0.002 $\chi^2$/NDF:532.4/24

Right Out: -0.168+/-0.011 $\chi^2$/NDF: 1158.8/20

Left In: -0.118+/-0.002 $\chi^2$/NDF:727.5/22

Left: -0.119+/-0.001 $\chi^2$/NDF: 1260.2/47

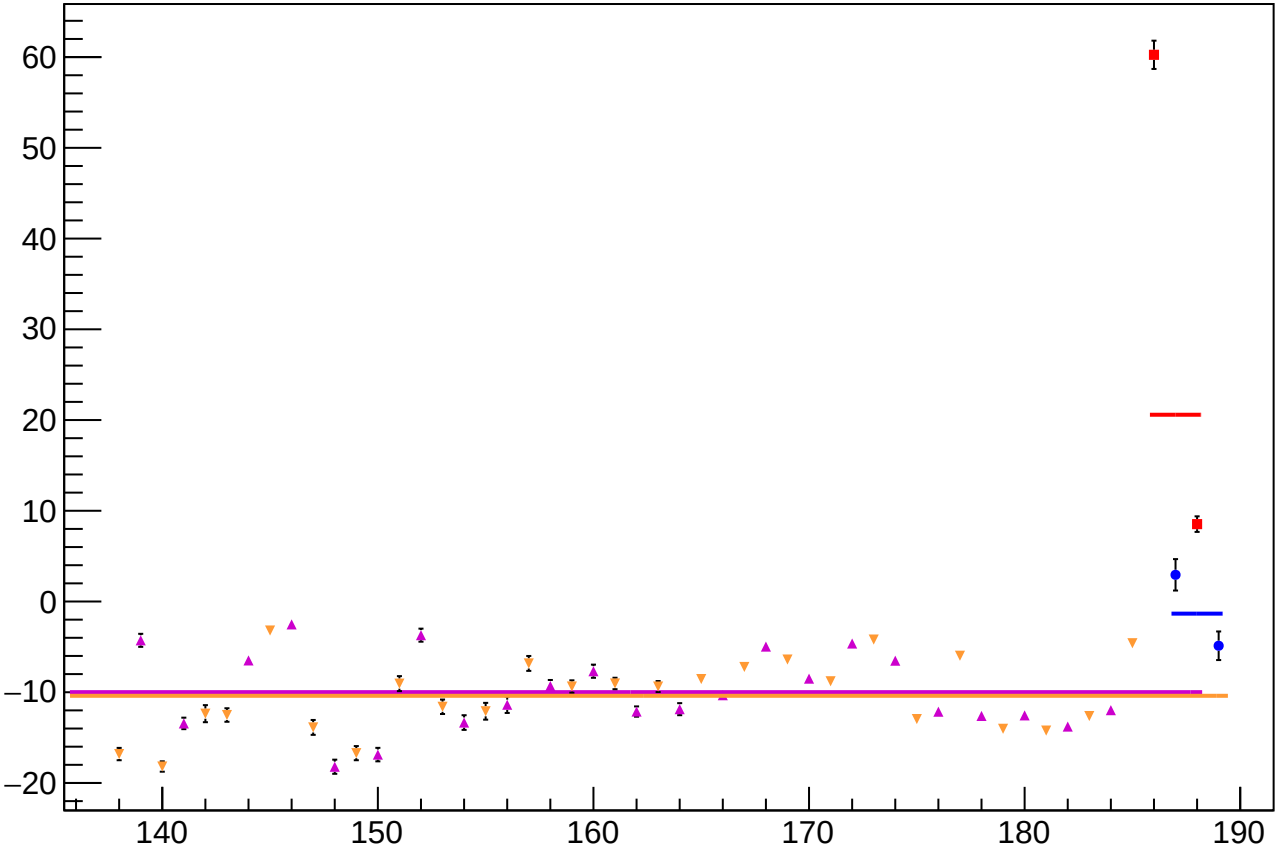
Right: -0.168+/-0.008 $\chi^2$/NDF: 1627.1/39

In: -0.120+/-0.002 $\chi^2$/NDF:1214.9/41

Out: -0.122+/-0.002 $\chi^2$/NDF:1710.9/45

All: -0.121+/-0.001 $\chi^2$/NDF: 2926.1/87

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -1.338+/-1.166 $\chi^2$/NDF: 11.1/1

Left Out: -10.392+/-0.088 $\chi^2$/NDF:2112.5/24

Right Out: 20.584+/-0.752 $\chi^2$/NDF: 844.9/1

Left In: -9.990+/-0.089 $\chi^2$/NDF:1794.2/22

Left: -10.194+/-0.063 $\chi^2$/NDF: 3917.0/47

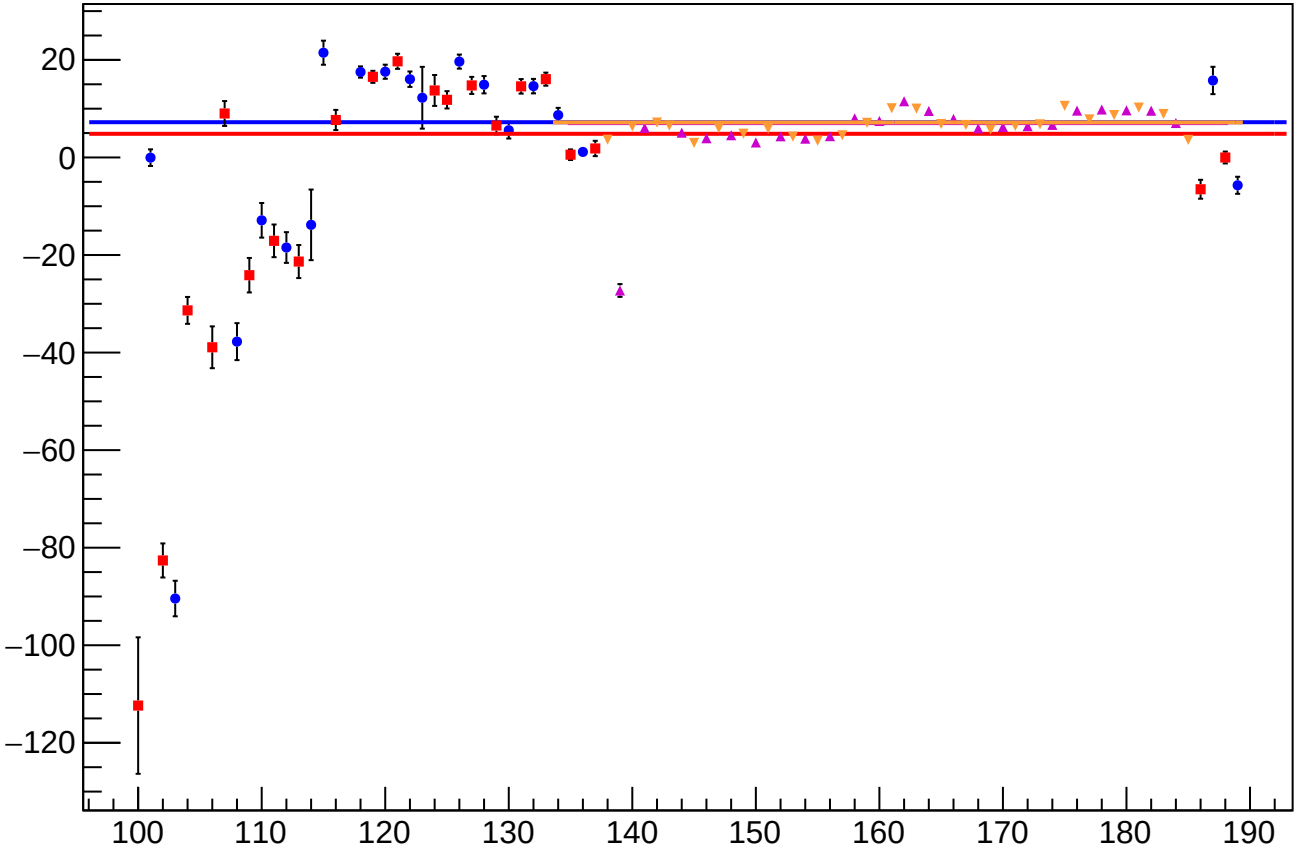
Right: 14.137+/-0.632 $\chi^2$/NDF: 1105.8/3

In: -9.940+/-0.089 $\chi^2$/NDF:1860.1/24

Out: -9.975+/-0.087 $\chi^2$/NDF:4629.8/26

All: -9.957+/-0.062 $\chi^2$/NDF: 6490.0/51

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 7.227+/-0.389 $\chi^2$/NDF: 1424.1/18

Left Out: 7.187+/-0.074 $\chi^2$/NDF:916.3/24

Right Out: 4.849+/-0.400 $\chi^2$/NDF: 1570.1/20

Left In: 7.043+/-0.074 $\chi^2$/NDF:1604.6/22

Left: 7.115+/-0.052 $\chi^2$/NDF: 2522.8/47

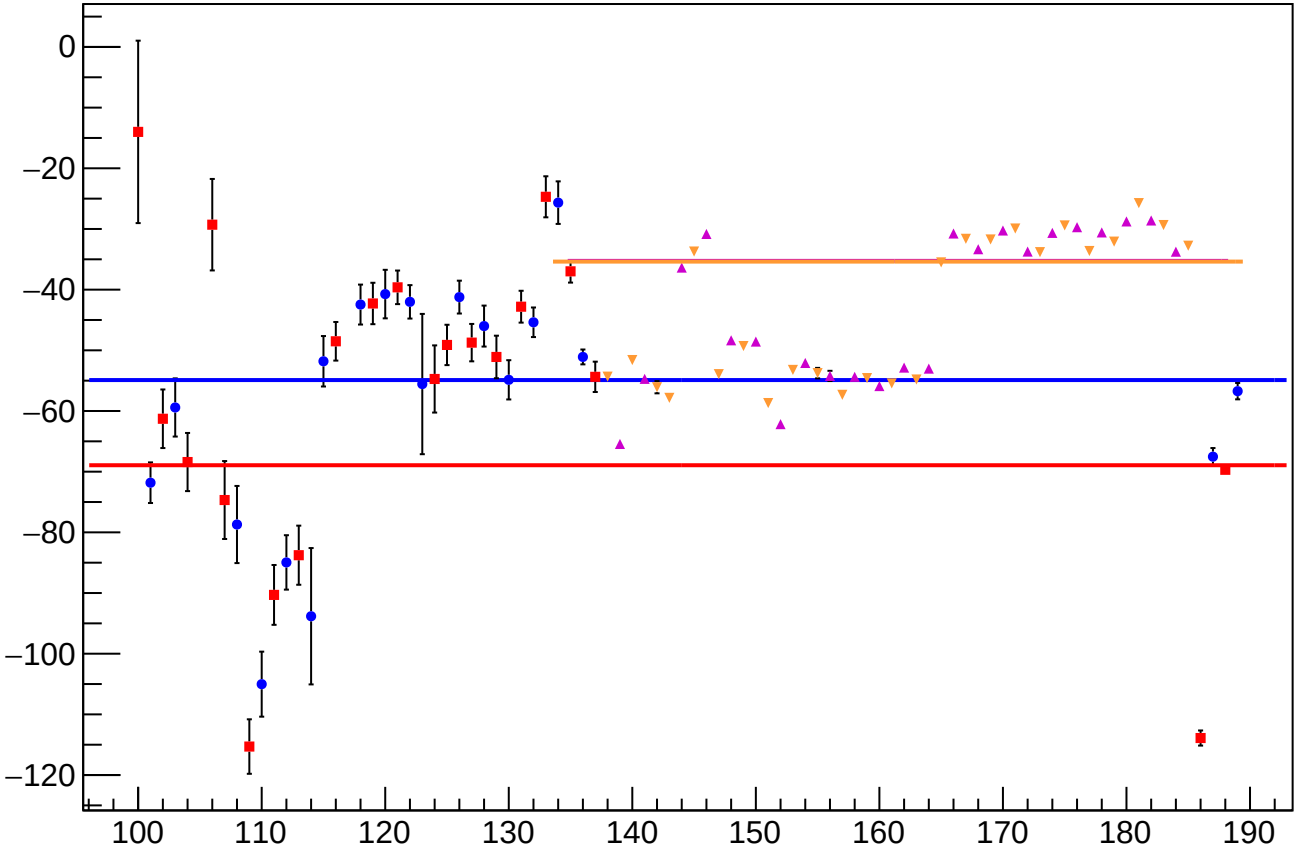
Right: 6.073+/-0.279 $\chi^2$/NDF: 3012.3/39

In: 7.049+/-0.073 $\chi^2$/NDF:3028.8/41

Out: 7.111+/-0.072 $\chi^2$/NDF:2519.4/45

All: 7.080+/-0.051 $\chi^2$/NDF: 5548.6/87

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -54.902+/-0.589 $\chi^2$/NDF: 441.6/18

Left Out: -35.377+/-0.089 $\chi^2$/NDF:12628.3/24

Right Out: -68.938+/-0.482 $\chi^2$/NDF: 2410.8/20

Left In: -35.260+/-0.090 $\chi^2$/NDF:11769.2/22

Left: -35.319+/-0.063 $\chi^2$/NDF: 24398.4/47

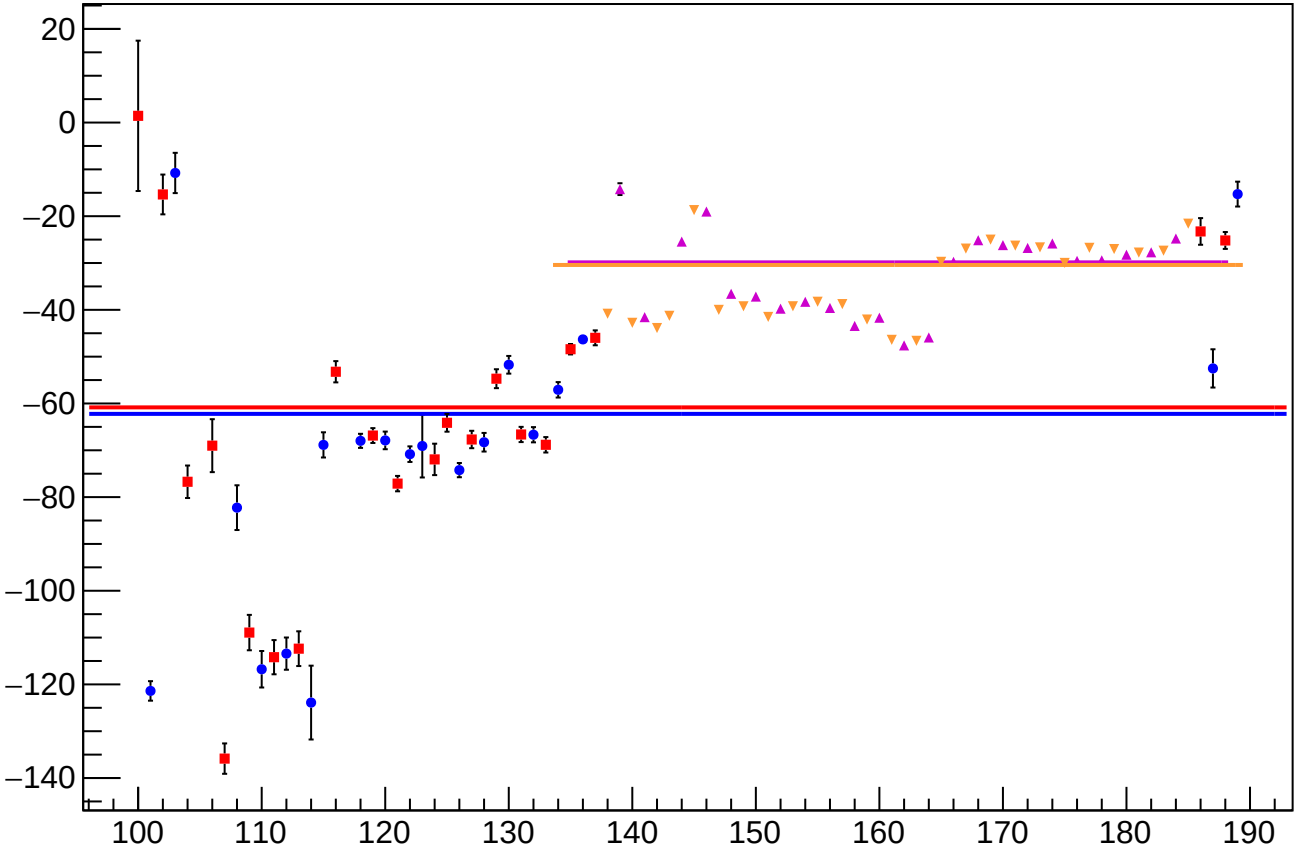
Right: -63.311+/-0.373 $\chi^2$/NDF: 3192.4/39

In: -35.705+/-0.089 $\chi^2$/NDF:13296.7/41

Out: -36.485+/-0.088 $\chi^2$/NDF:19726.8/45

All: -36.101+/-0.062 $\chi^2$/NDF: 33062.6/87

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -62.222+/-0.437 $\chi^2$/NDF: 2342.8/18

Left Out: -30.415+/-0.082 $\chi^2$/NDF:8132.2/24

Right Out: -60.835+/-0.460 $\chi^2$/NDF: 2229.2/20

Left In: -29.863+/-0.082 $\chi^2$/NDF:7145.9/22

Left: -30.141+/-0.058 $\chi^2$/NDF: 15300.8/47

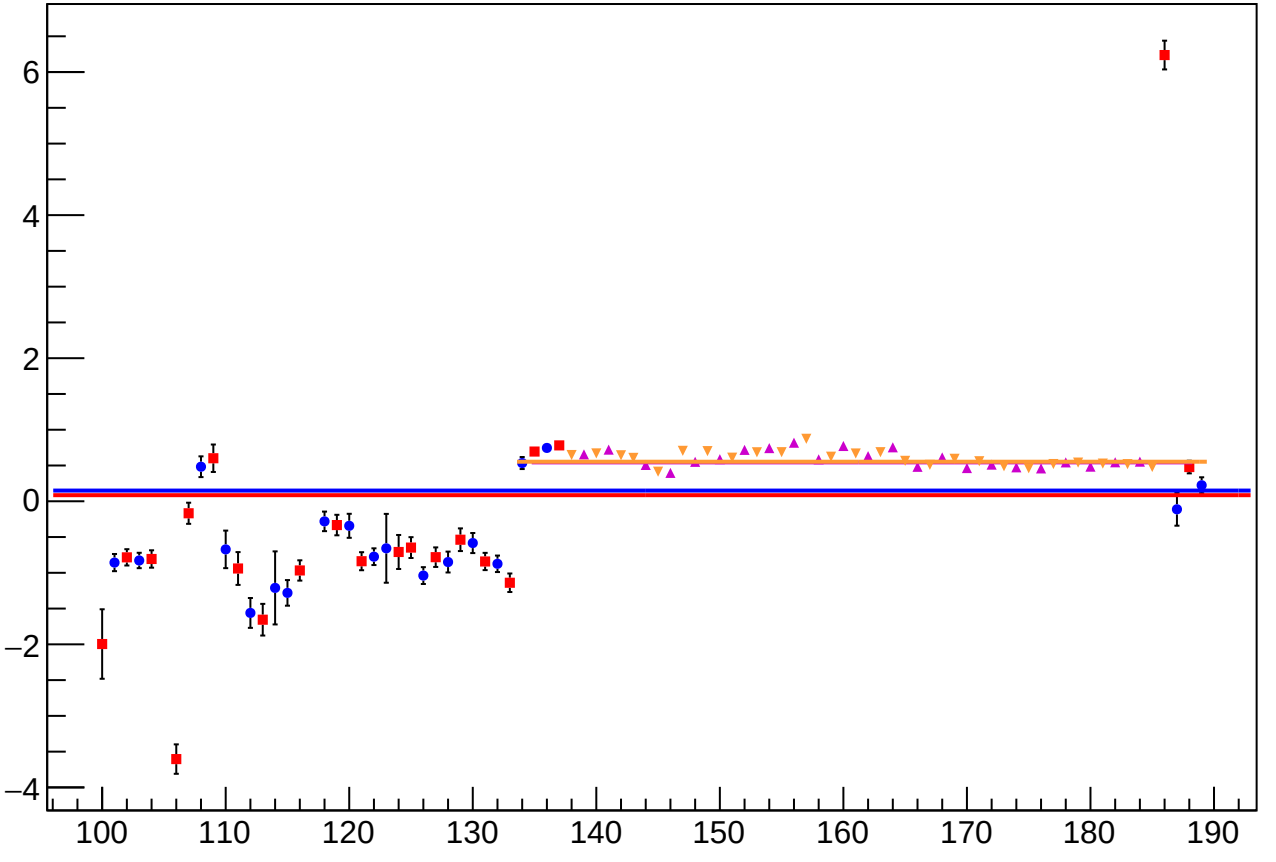
Right: -61.564+/-0.317 $\chi^2$/NDF: 4576.8/39

In: -30.972+/-0.081 $\chi^2$/NDF:14790.8/41

Out: -31.344+/-0.080 $\chi^2$/NDF:14601.7/45

All: -31.159+/-0.057 $\chi^2$/NDF: 29403.2/87

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.150+/-0.023 $\chi^2$/NDF: 991.7/18

Left Out: 0.553+/-0.004 $\chi^2$/NDF:542.9/24

Right Out: 0.085+/-0.025 $\chi^2$/NDF: 2152.7/20

Left In: 0.544+/-0.004 $\chi^2$/NDF:659.2/22

Left: 0.548+/-0.003 $\chi^2$/NDF: 1205.2/47

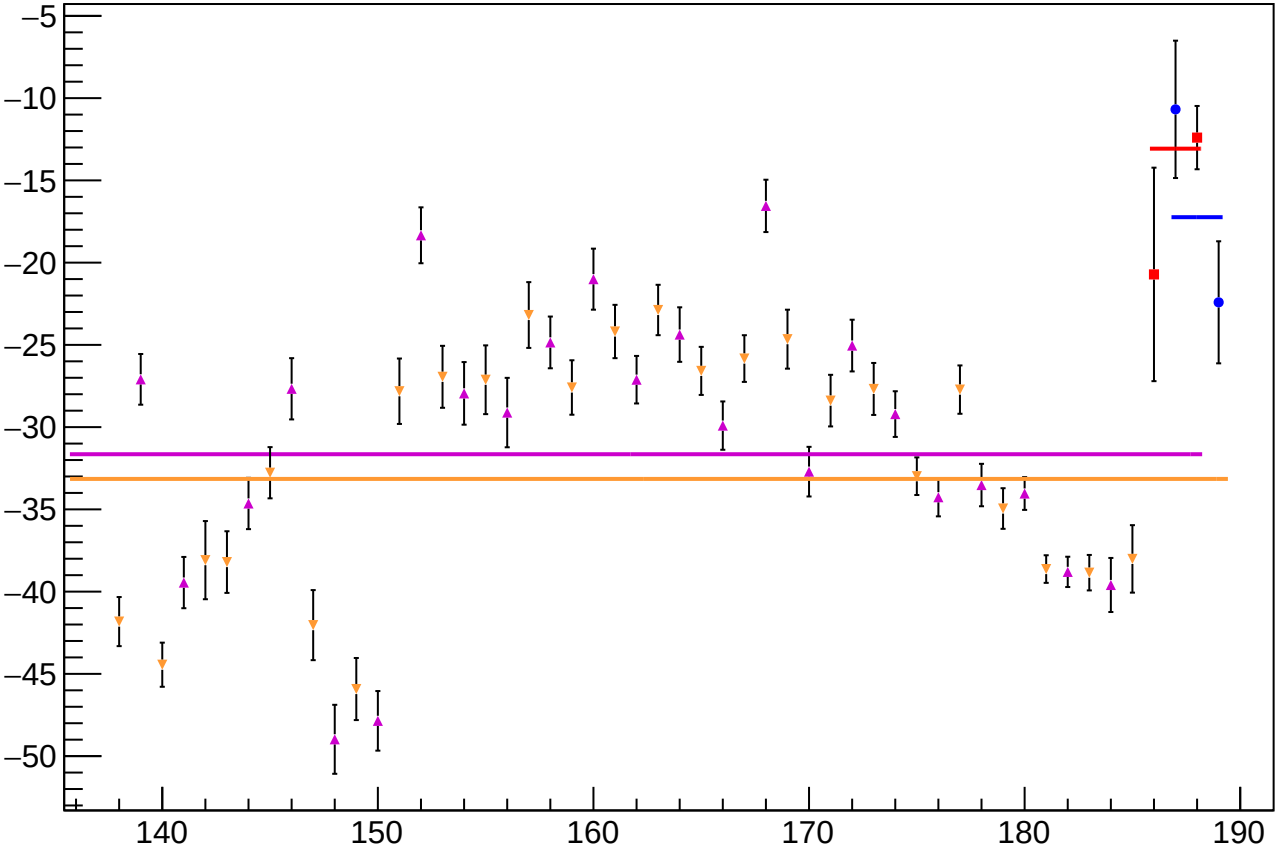
Right: 0.119+/-0.017 $\chi^2$/NDF: 3148.0/39

In: 0.534+/-0.004 $\chi^2$/NDF:1929.1/41

Out: 0.543+/-0.004 $\chi^2$/NDF:3040.3/45

All: 0.538+/-0.003 $\chi^2$/NDF: 4972.6/87

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -17.237+/-2.774 $\chi^2$/NDF: 4.4/1

Left Out: -33.148+/-0.301 $\chi^2$/NDF:500.0/24

Right Out: -13.072+/-1.845 $\chi^2$/NDF: 1.5/1

Left In: -31.647+/-0.308 $\chi^2$/NDF:546.9/22

Left: -32.414+/-0.215 $\chi^2$/NDF: 1059.0/47

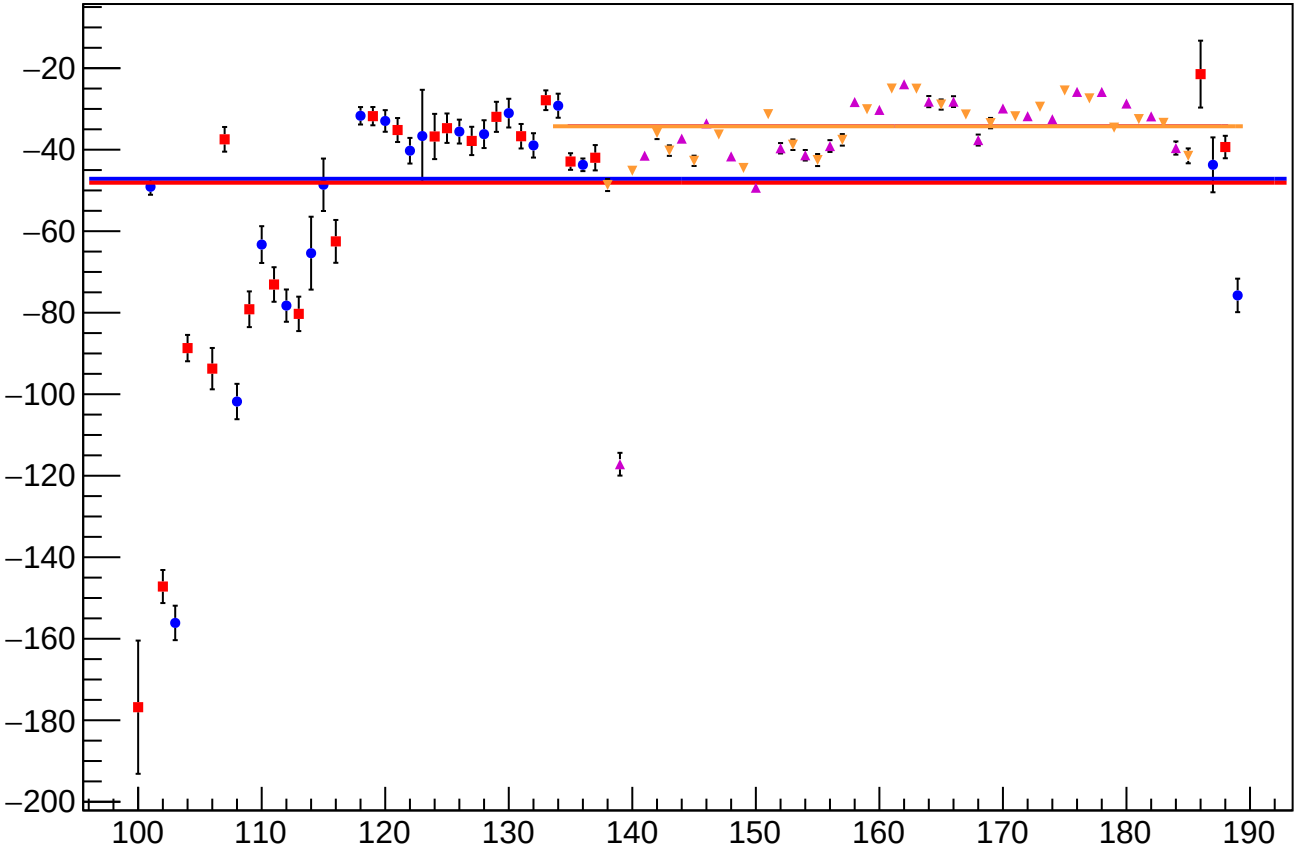
Right: -14.349+/-1.536 $\chi^2$/NDF: 7.5/3

In: -31.472+/-0.306 $\chi^2$/NDF:578.0/24

Out: -32.628+/-0.297 $\chi^2$/NDF:616.9/26

All: -32.067+/-0.213 $\chi^2$/NDF: 1202.2/51

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -47.146+/-0.708 $\chi^2$/NDF: 1134.1/18

Left Out: -34.256+/-0.242 $\chi^2$/NDF:693.3/24

Right Out: -48.105+/-0.733 $\chi^2$/NDF: 1293.7/20

Left In: -34.189+/-0.250 $\chi^2$/NDF:1546.1/22

Left: -34.224+/-0.174 $\chi^2$/NDF: 2239.5/47

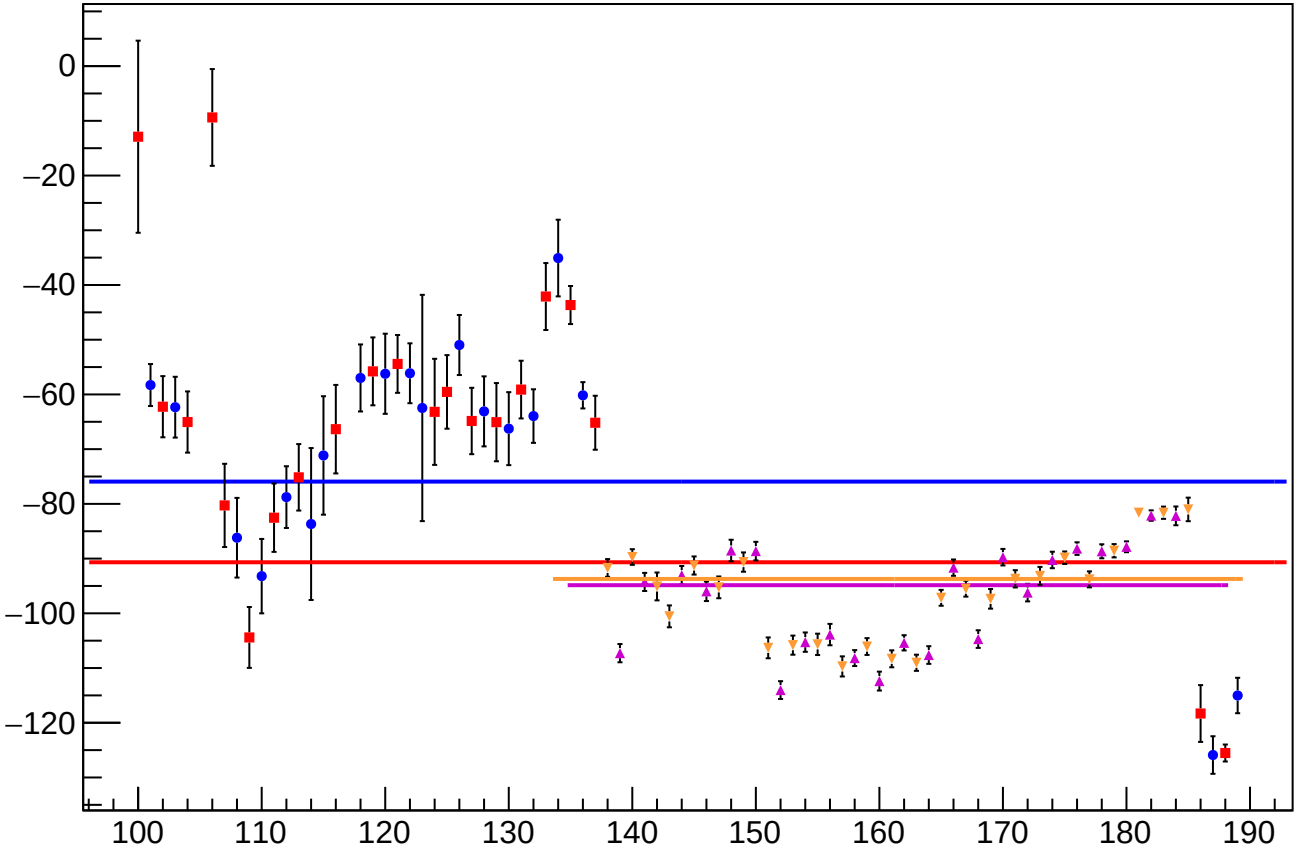
Right: -47.609+/-0.509 $\chi^2$/NDF: 2428.7/39

In: -35.628+/-0.236 $\chi^2$/NDF:2978.1/41

Out: -35.618+/-0.230 $\chi^2$/NDF:2308.8/45

All: -35.623+/-0.165 $\chi^2$/NDF: 5286.9/87

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -75.928+/-1.145 $\chi^2$/NDF: 534.4/18

Left Out: -93.719+/-0.302 $\chi^2$/NDF:878.2/24

Right Out: -90.670+/-1.011 $\chi^2$/NDF: 1157.3/20

Left In: -94.861+/-0.307 $\chi^2$/NDF:985.5/22

Left: -94.280+/-0.215 $\chi^2$/NDF: 1870.7/47

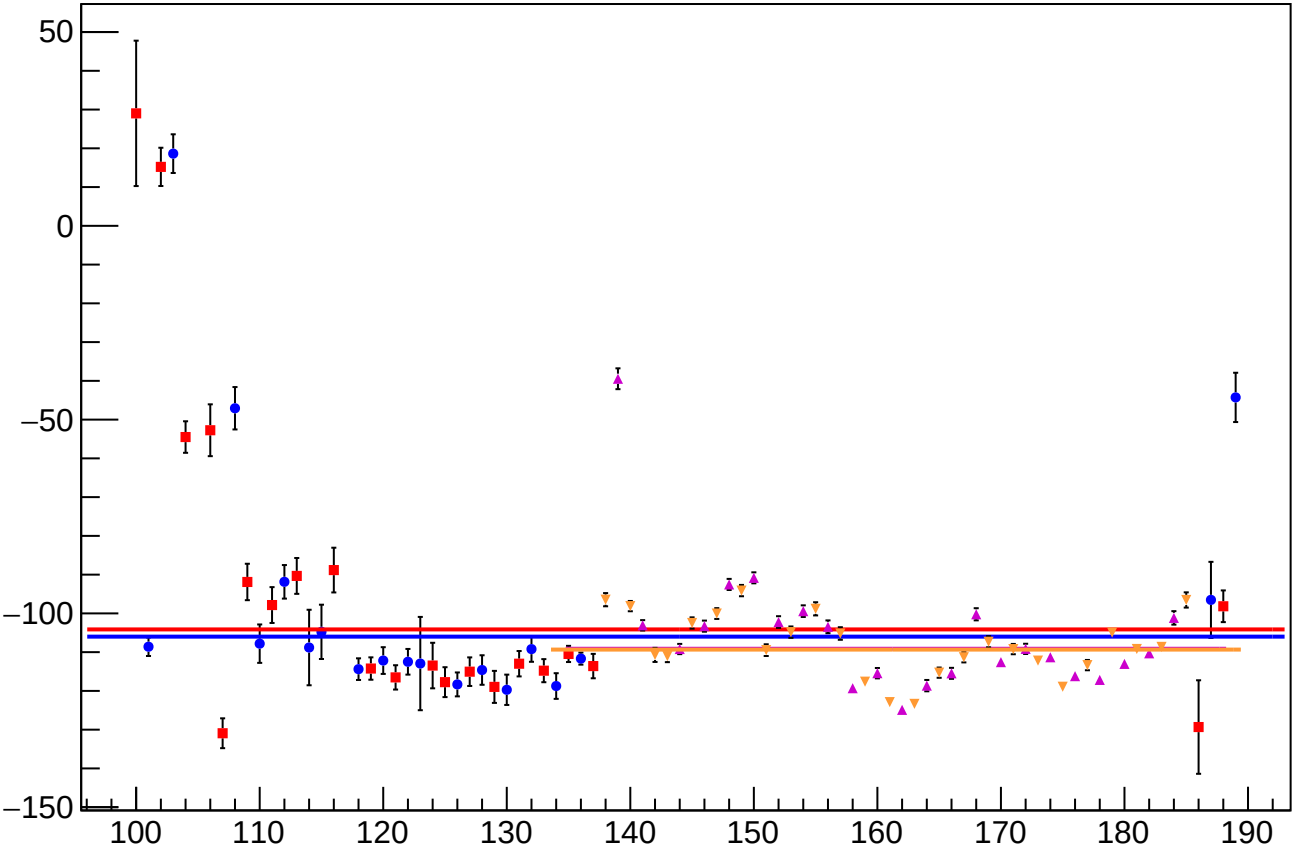
Right: -84.211+/-0.758 $\chi^2$/NDF: 1784.9/39

In: -93.589+/-0.297 $\chi^2$/NDF:1775.0/41

Out: -93.469+/-0.290 $\chi^2$/NDF:2043.8/45

All: -93.527+/-0.207 $\chi^2$/NDF: 3818.9/87

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -105.997+/-0.802 $\chi^2$/NDF: 925.2/18

Left Out: -109.338+/-0.272 $\chi^2$/NDF:826.2/24

Right Out: -104.133+/-0.840 $\chi^2$/NDF: 1025.2/20

Left In: -109.126+/-0.279 $\chi^2$/NDF:1578.7/22

Left: -109.235+/-0.195 $\chi^2$/NDF: 2405.2/47

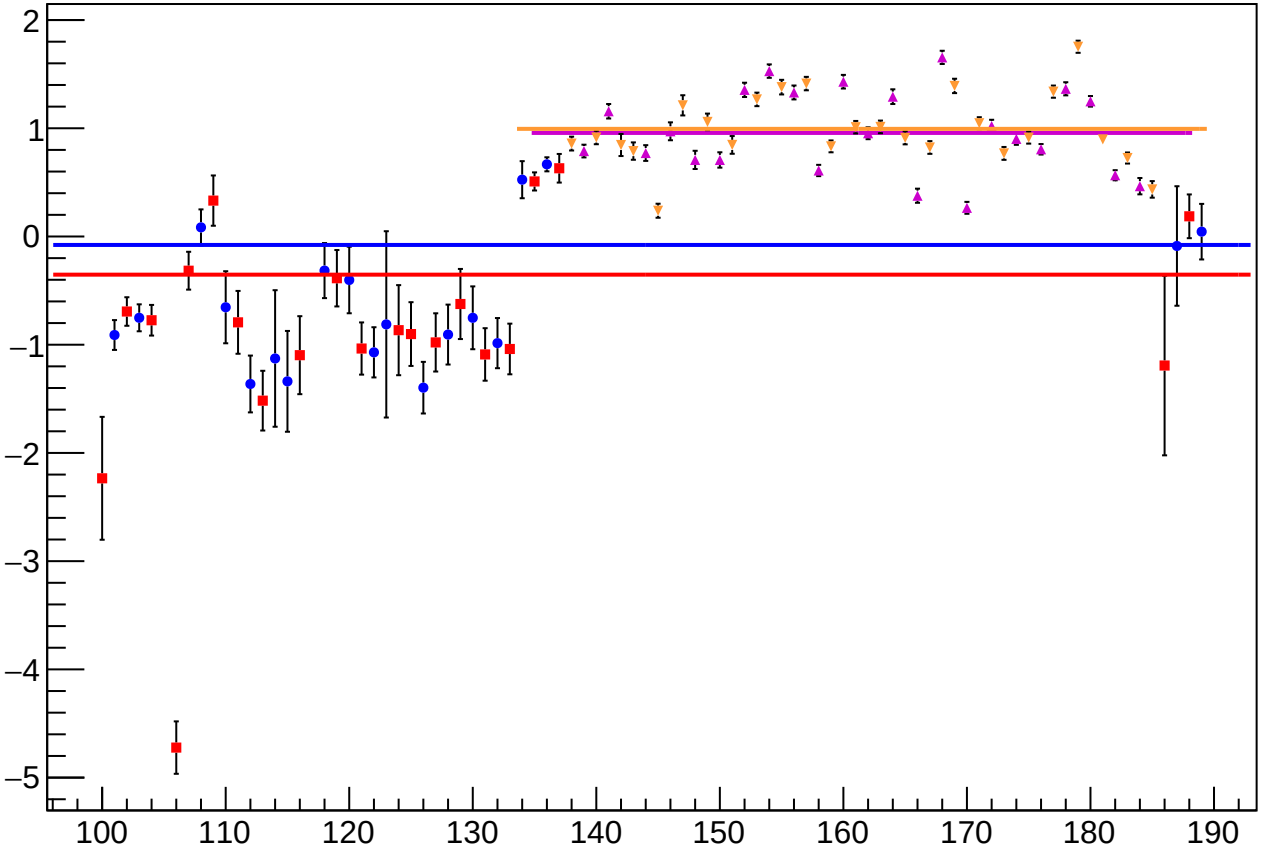
Right: -105.109+/-0.580 $\chi^2$/NDF: 1953.0/39

In: -108.788+/-0.264 $\chi^2$/NDF:2517.5/41

Out: -108.845+/-0.259 $\chi^2$/NDF:1886.1/45

All: -108.817+/-0.185 $\chi^2$/NDF: 4403.6/87

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.078+/-0.041 $\chi^2$/NDF: 329.2/18

Left Out: 0.995+/-0.012 $\chi^2$/NDF:635.3/24

Right Out: -0.353+/-0.043 $\chi^2$/NDF: 591.4/20

Left In: 0.957+/-0.013 $\chi^2$/NDF:896.5/22

Left: 0.976+/-0.009 $\chi^2$/NDF: 1536.3/47

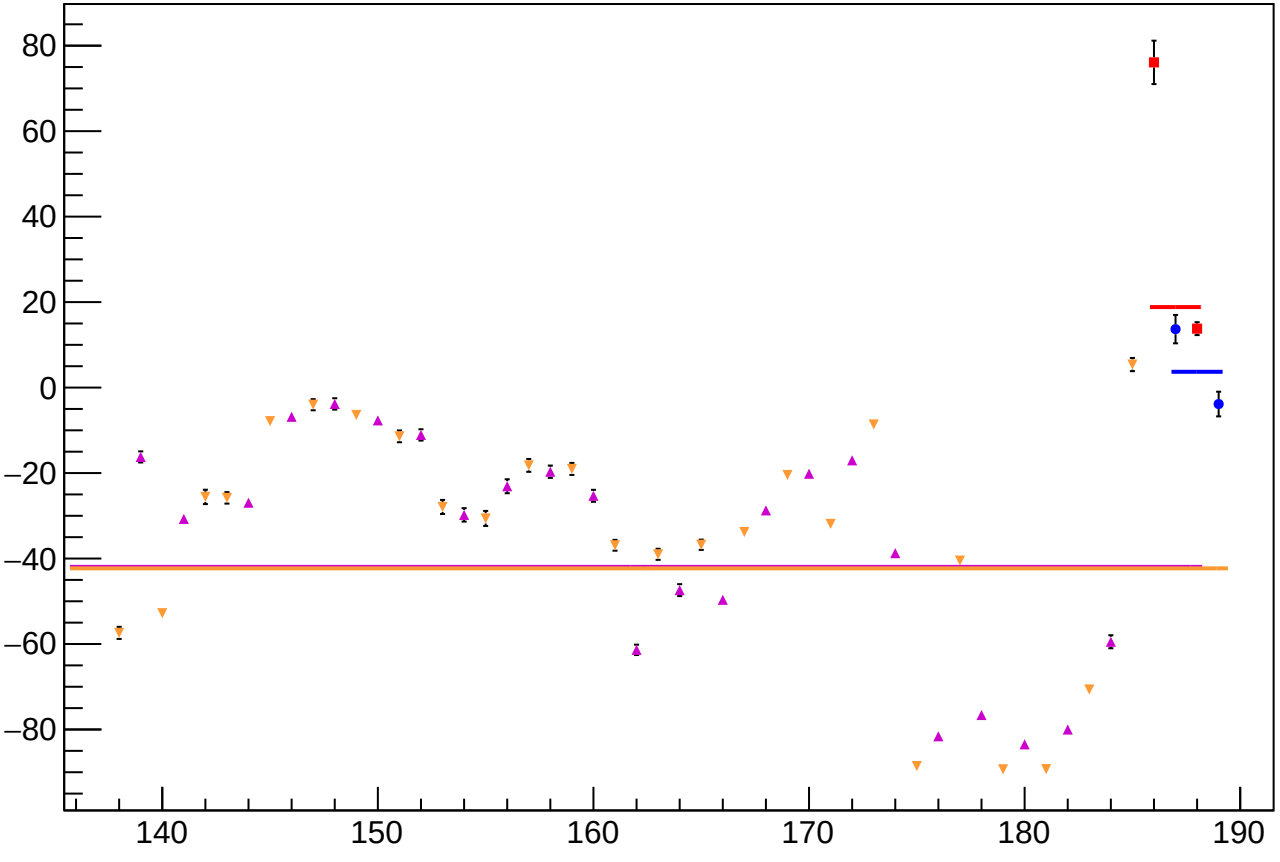
Right: -0.211+/-0.030 $\chi^2$/NDF: 941.8/39

In: 0.869+/-0.012 $\chi^2$/NDF:1795.3/41

Out: 0.890+/-0.012 $\chi^2$/NDF:2139.1/45

All: 0.880+/-0.008 $\chi^2$/NDF: 3935.9/87

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 3.694+/-2.180 $\chi^2$/NDF: 15.8/1

Left Out: -42.295+/-0.222 $\chi^2$/NDF:18267.5/24

Right Out: 18.838+/-1.445 $\chi^2$/NDF: 138.3/1

Left In: -41.955+/-0.226 $\chi^2$/NDF:14723.4/22

Left: -42.128+/-0.159 $\chi^2$/NDF: 32992.1/47

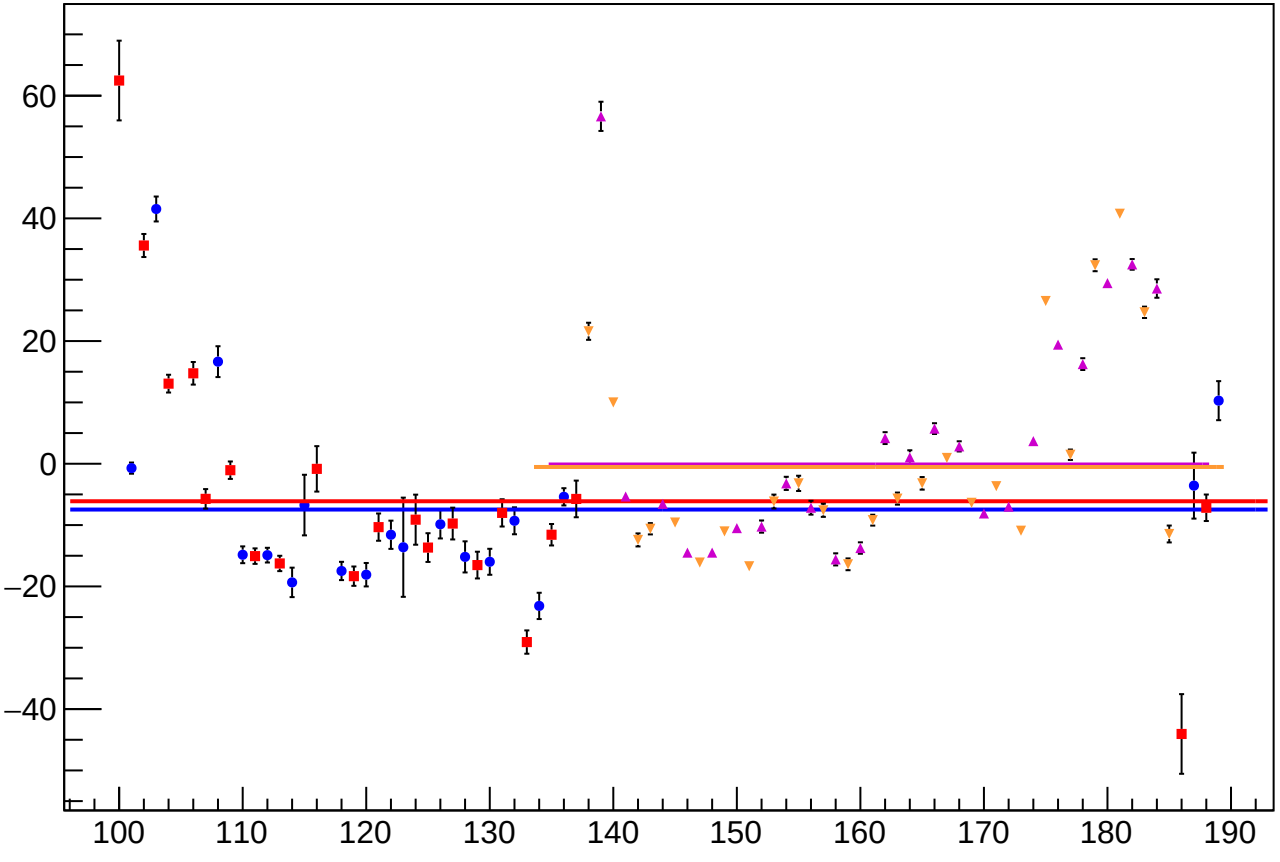
Right: 14.215+/-1.205 $\chi^2$/NDF: 187.7/3

In: -41.470+/-0.225 $\chi^2$/NDF:15172.9/24

Out: -40.881+/-0.220 $\chi^2$/NDF:20153.5/26

All: -41.169+/-0.157 $\chi^2$/NDF: 35329.9/51

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -7.468+/-0.422 $\chi^2$/NDF: 1015.0/18

Left Out: -0.527+/-0.175 $\chi^2$/NDF:8707.9/24

Right Out: -6.116+/-0.420 $\chi^2$/NDF: 1327.7/20

Left In: -0.125+/-0.179 $\chi^2$/NDF:6925.0/22

Left: -0.331+/-0.125 $\chi^2$/NDF: 15635.5/47

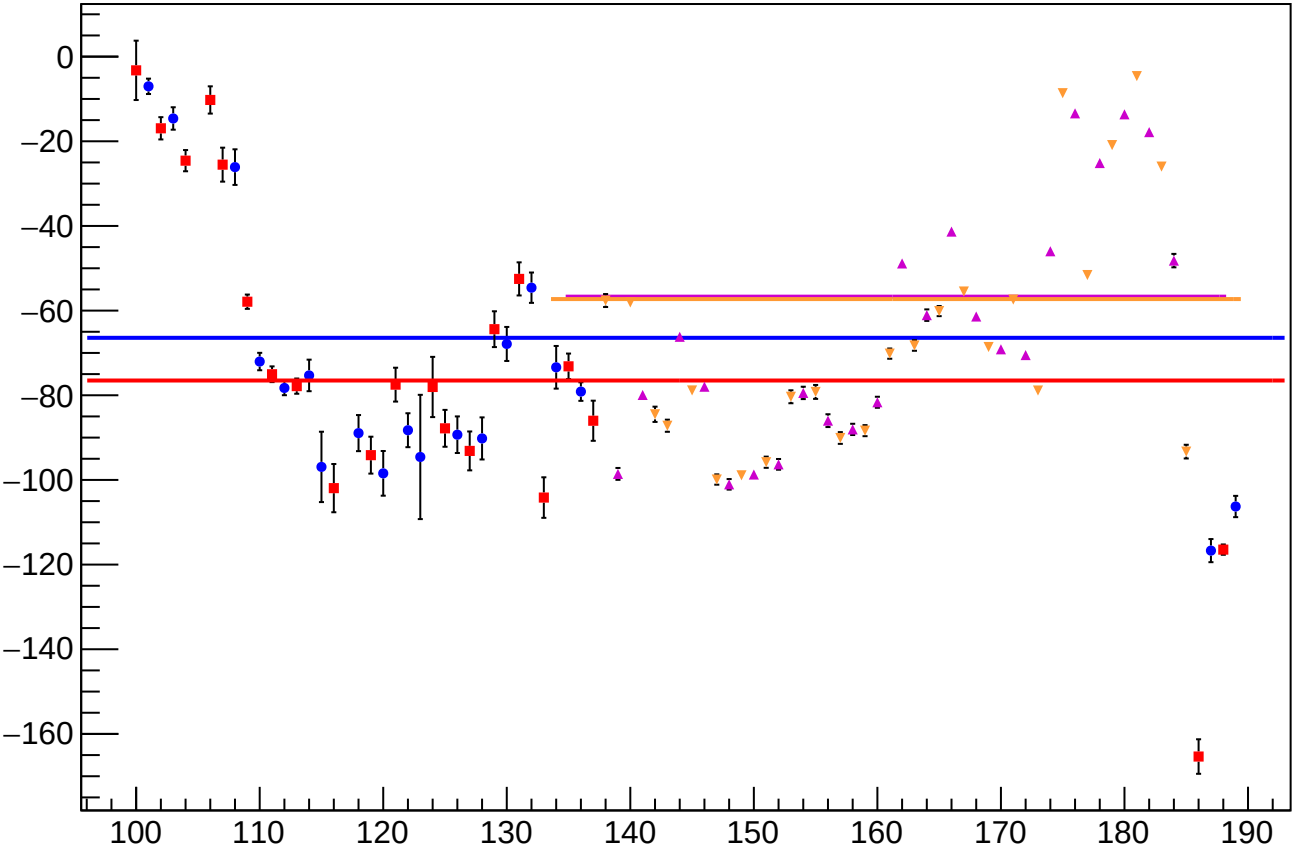
Right: -6.788+/-0.298 $\chi^2$/NDF: 2347.8/39

In: -1.239+/-0.164 $\chi^2$/NDF:8196.6/41

Out: -1.352+/-0.161 $\chi^2$/NDF:10186.5/45

All: -1.297+/-0.115 $\chi^2$/NDF: 18383.4/87

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -66.427+/-0.690 $\chi^2$/NDF: 2404.3/18

Left Out: -57.276+/-0.224 $\chi^2$/NDF:18511.1/24

Right Out: -76.513+/-0.603 $\chi^2$/NDF: 3450.4/20

Left In: -56.705+/-0.226 $\chi^2$/NDF:16547.5/22

Left: -56.993+/-0.159 $\chi^2$/NDF: 35061.8/47

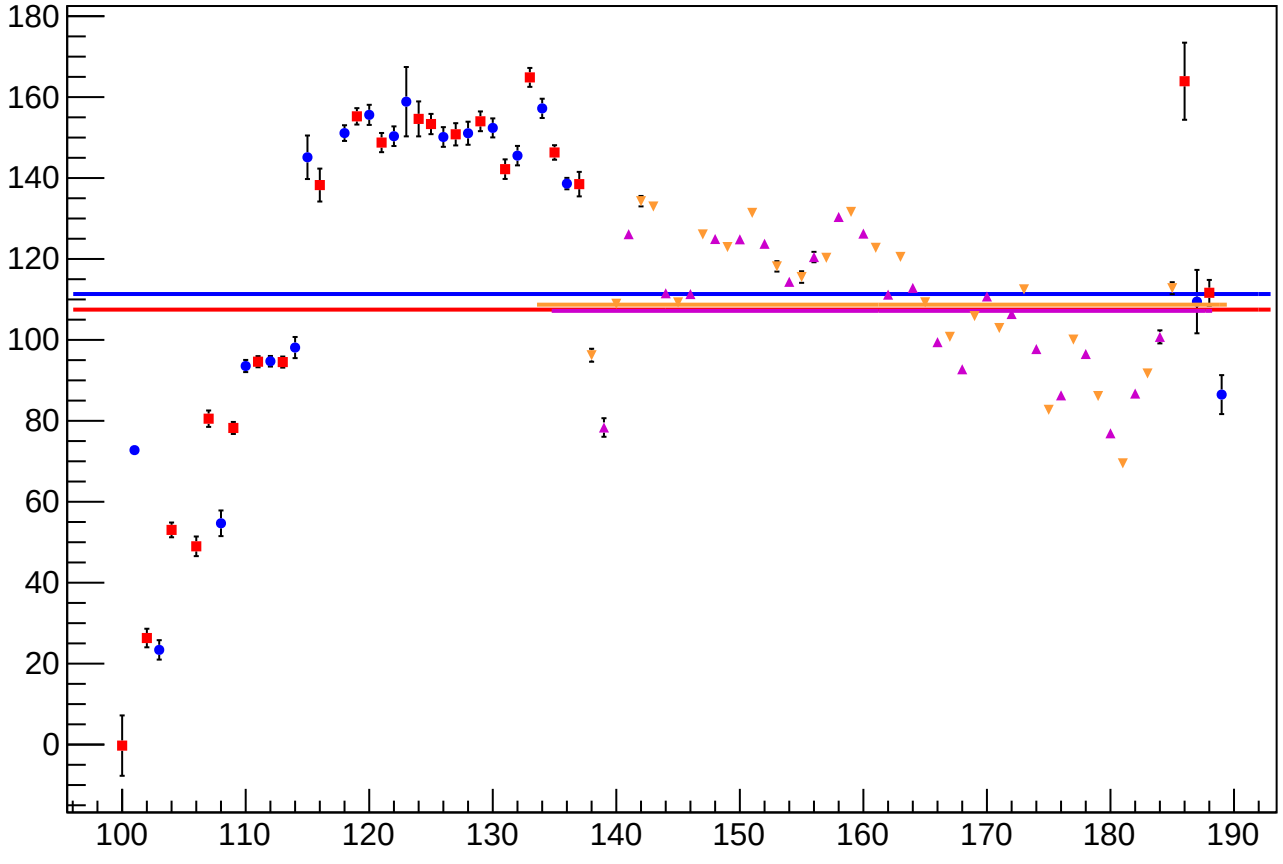
Right: -72.147+/-0.454 $\chi^2$/NDF: 5975.9/39

In: -57.647+/-0.215 $\chi^2$/NDF:19131.1/41

Out: -59.601+/-0.210 $\chi^2$/NDF:22856.5/45

All: -58.648+/-0.150 $\chi^2$/NDF: 42030.0/87

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 111.338+/-0.483 $\chi^2$/NDF: 5986.5/18

Left Out: 108.709+/-0.198 $\chi^2$/NDF:7297.0/24

Right Out: 107.484+/-0.481 $\chi^2$/NDF: 7074.5/20

Left In: 107.180+/-0.202 $\chi^2$/NDF:5592.3/22

Left: 107.959+/-0.141 $\chi^2$/NDF: 12918.6/47

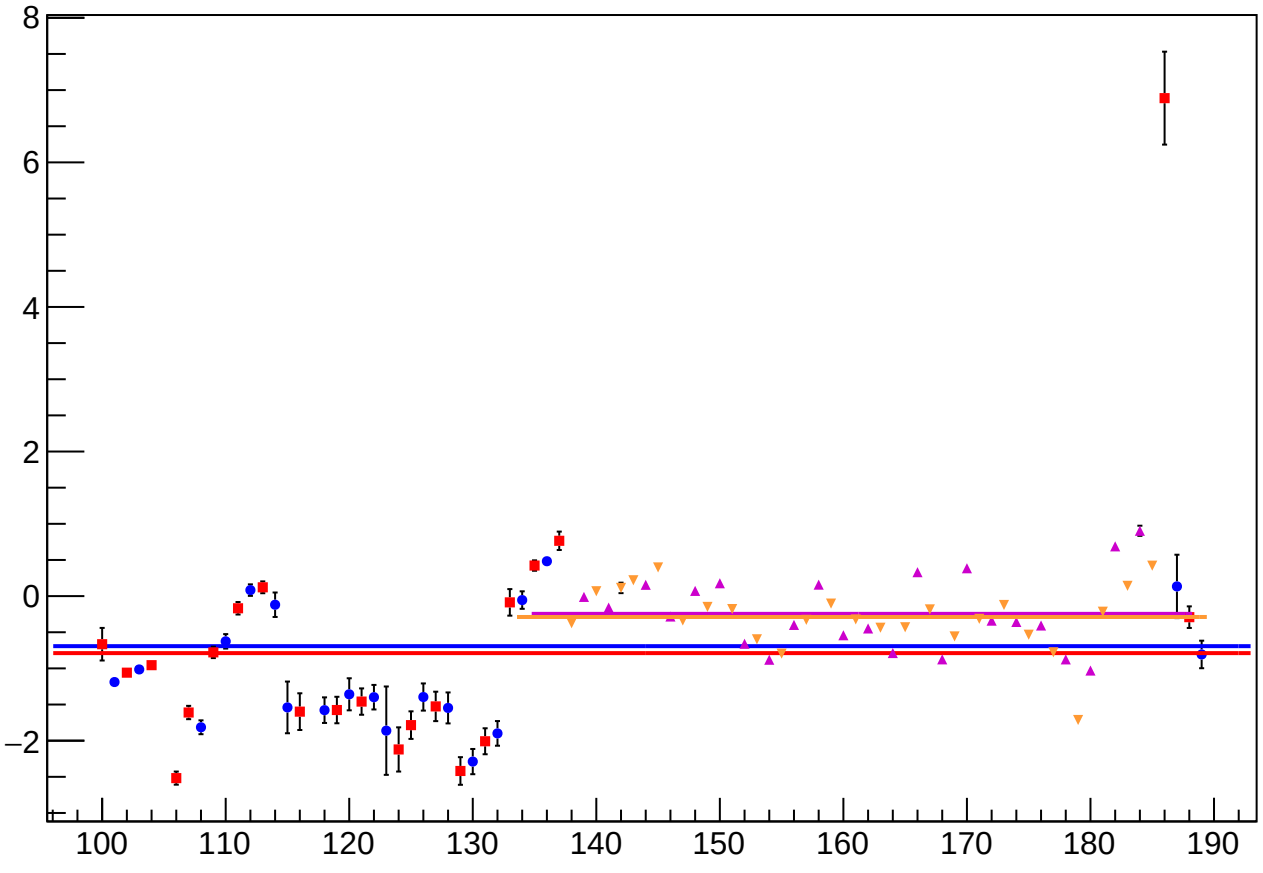
Right: 109.404+/-0.341 $\chi^2$/NDF: 13092.9/39

In: 107.797+/-0.186 $\chi^2$/NDF:11641.9/41

Out: 108.532+/-0.183 $\chi^2$/NDF:14377.0/45

All: 108.171+/-0.130 $\chi^2$/NDF: 26026.8/87

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.692+/-0.025 $\chi^2$/NDF: 997.0/18

Left Out: -0.289+/-0.009 $\chi^2$/NDF:2039.6/24

Right Out: -0.789+/-0.024 $\chi^2$/NDF: 1465.4/20

Left In: -0.246+/-0.009 $\chi^2$/NDF:2804.3/22

Left: -0.267+/-0.006 $\chi^2$/NDF: 4855.1/47

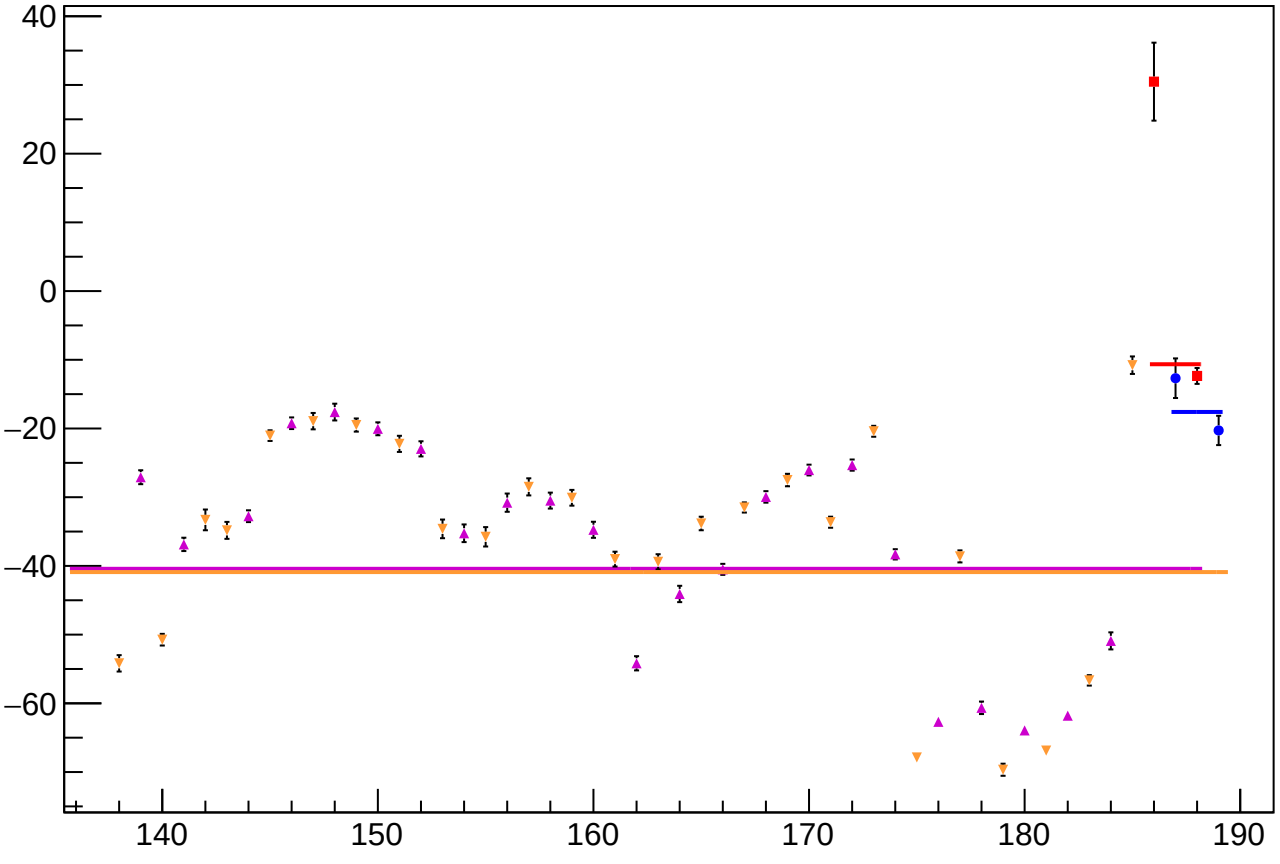
Right: -0.743+/-0.017 $\chi^2$/NDF: 2470.0/39

In: -0.297+/-0.009 $\chi^2$/NDF:4072.9/41

Out: -0.352+/-0.009 $\chi^2$/NDF:3884.2/45

All: -0.325+/-0.006 $\chi^2$/NDF: 7977.2/87

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -17.592+/-1.715 $\chi^2$/NDF: 4.5/1

Left Out: -40.897+/-0.186 $\chi^2$/NDF:9114.7/24

Right Out: -10.648+/-1.132 $\chi^2$/NDF: 54.7/1

Left In: -40.422+/-0.189 $\chi^2$/NDF:7030.2/22

Left: -40.662+/-0.133 $\chi^2$/NDF: 16148.1/47

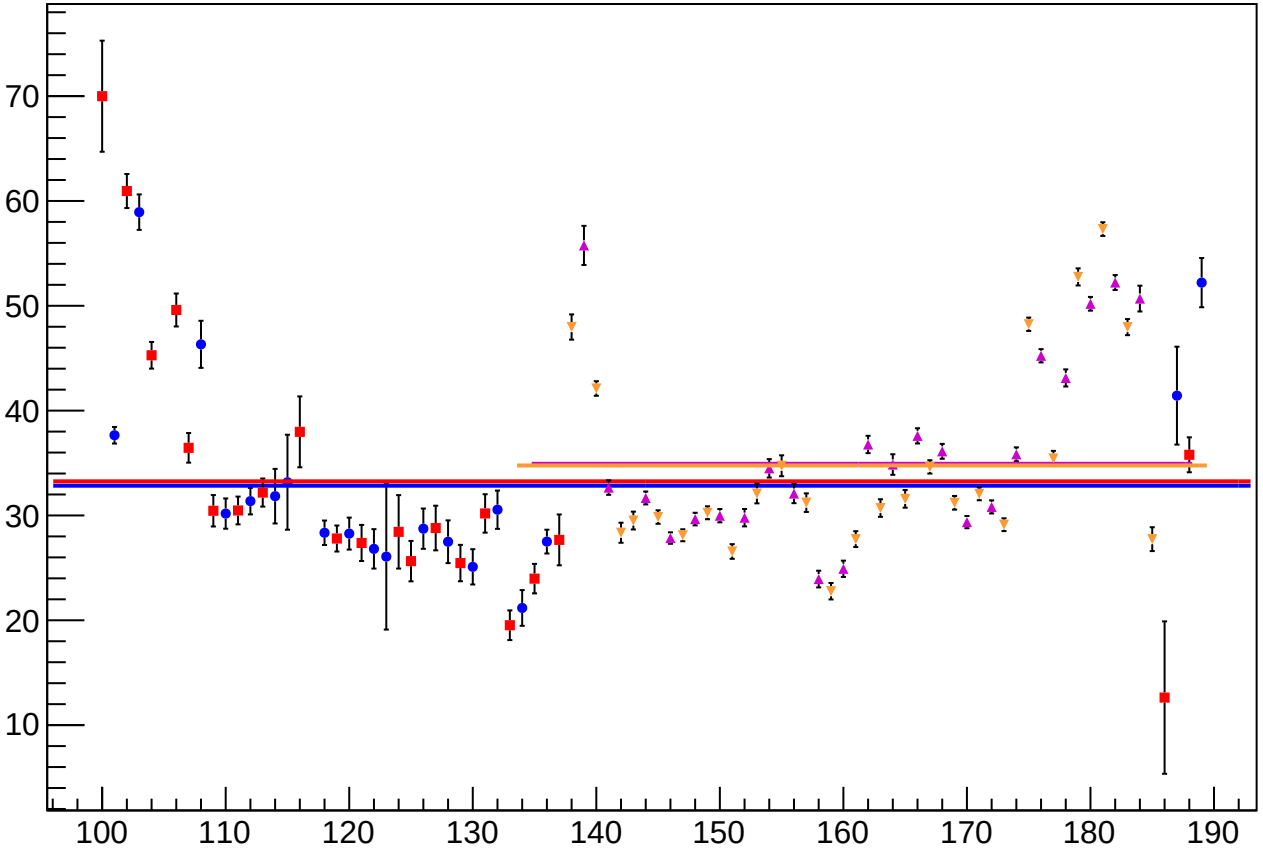
Right: -12.754+/-0.945 $\chi^2$/NDF: 70.6/3

In: -40.148+/-0.188 $\chi^2$/NDF:7209.7/24

Out: -40.098+/-0.184 $\chi^2$/NDF:9864.9/26

All: -40.122+/-0.131 $\chi^2$/NDF: 17074.7/51

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 32.838+/-0.367 $\chi^2$/NDF: 525.8/18

Left Out: 34.768+/-0.148 $\chi^2$/NDF:3677.3/24

Right Out: 33.254+/-0.369 $\chi^2$/NDF: 780.7/20

Left In: 34.928+/-0.151 $\chi^2$/NDF:2688.4/22

Left: 34.846+/-0.106 $\chi^2$/NDF: 6366.3/47

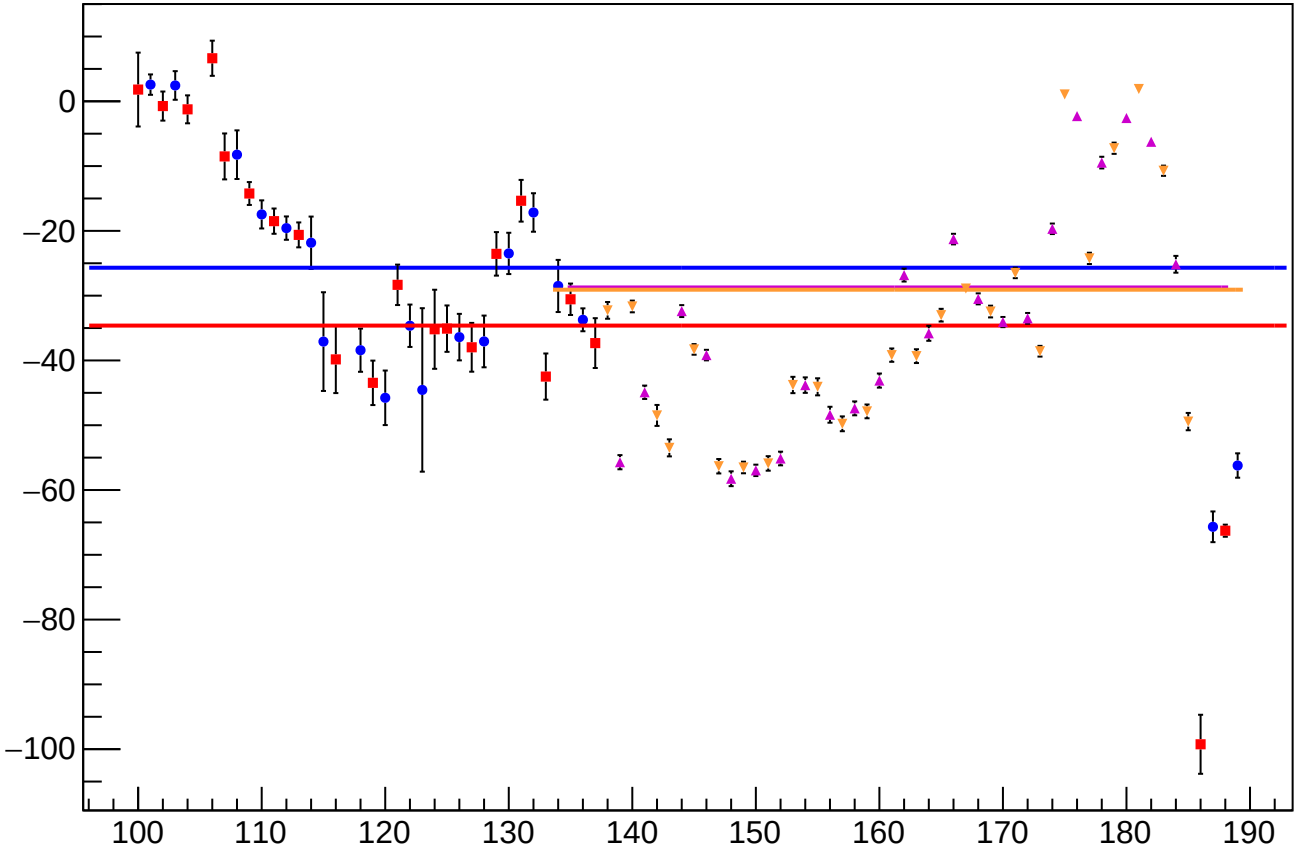
Right: 33.045+/-0.260 $\chi^2$/NDF: 1307.1/39

In: 34.625+/-0.140 $\chi^2$/NDF:3242.0/41

Out: 34.559+/-0.137 $\chi^2$/NDF:4472.5/45

All: 34.591+/-0.098 $\chi^2$/NDF: 7714.6/87

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -25.689+/-0.606 $\chi^2$/NDF: 1177.1/18

Left Out: -29.080+/-0.187 $\chi^2$/NDF:10059.5/24

Right Out: -34.620+/-0.526 $\chi^2$/NDF: 2465.2/20

Left In: -28.735+/-0.189 $\chi^2$/NDF:9155.5/22

Left: -28.909+/-0.133 $\chi^2$/NDF: 19216.6/47

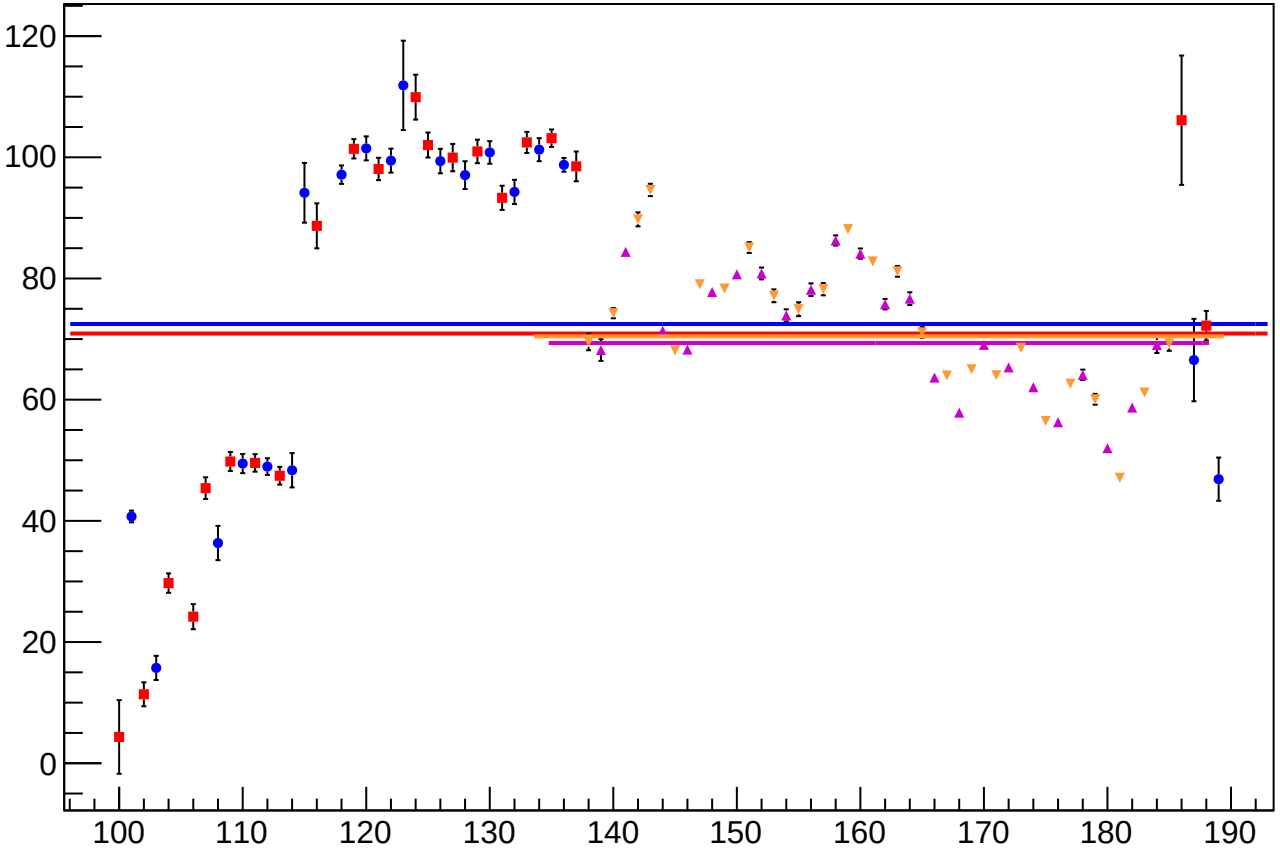
Right: -30.783+/-0.398 $\chi^2$/NDF: 3766.0/39

In: -28.466+/-0.180 $\chi^2$/NDF:10355.6/41

Out: -29.703+/-0.176 $\chi^2$/NDF:12622.9/45

All: -29.098+/-0.126 $\chi^2$/NDF: 23002.6/87

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 72.487+/-0.422 $\chi^2$/NDF: 4791.0/18

Left Out: 70.450+/-0.167 $\chi^2$/NDF:4484.7/24

Right Out: 70.914+/-0.426 $\chi^2$/NDF: 5500.5/20

Left In: 69.350+/-0.170 $\chi^2$/NDF:3330.7/22

Left: 69.910+/-0.119 $\chi^2$/NDF: 7836.8/47

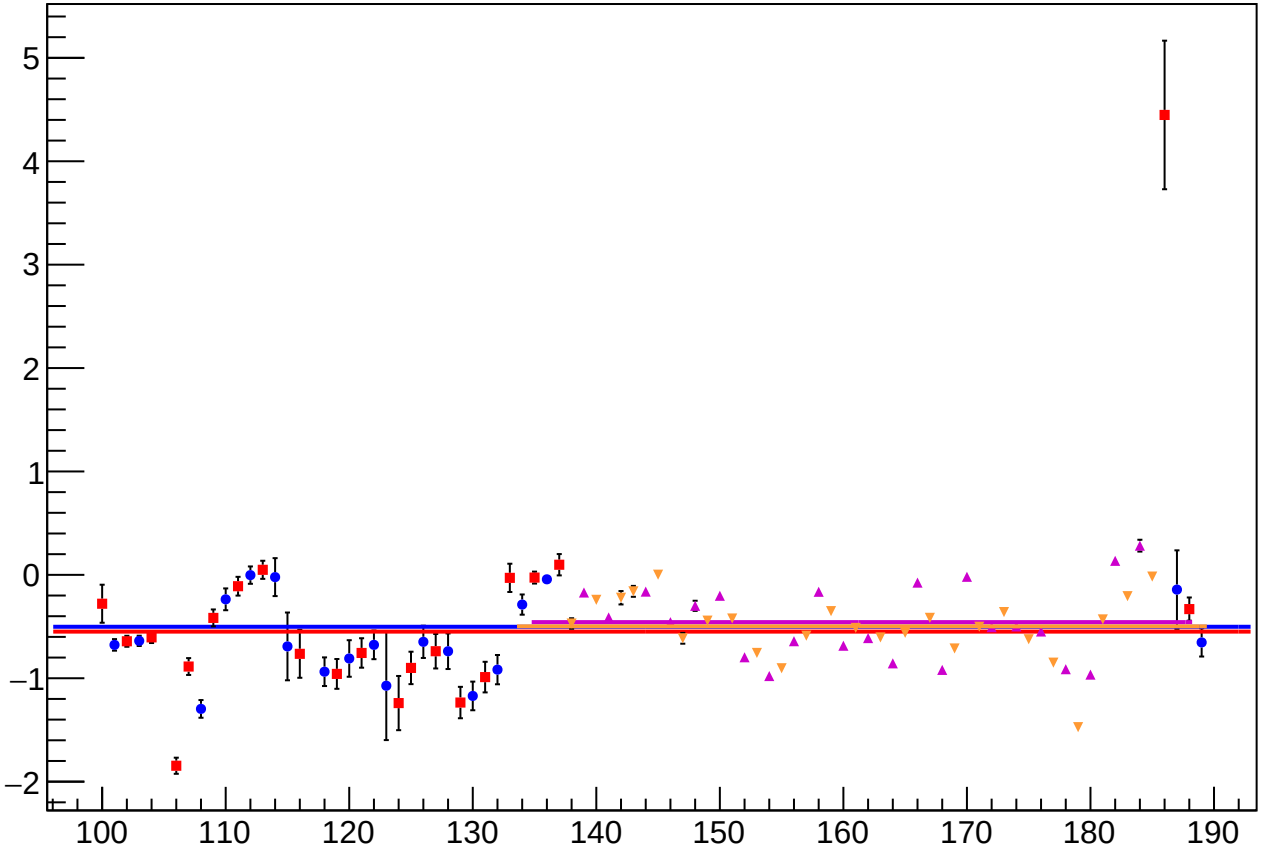
Right: 71.709+/-0.300 $\chi^2$/NDF: 10298.4/39

In: 69.787+/-0.157 $\chi^2$/NDF:8169.4/41

Out: 70.511+/-0.155 $\chi^2$/NDF:9986.2/45

All: 70.154+/-0.110 $\chi^2$/NDF: 18166.3/87

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.502+/-0.022 $\chi^2$/NDF: 305.6/18

Left Out: -0.498+/-0.008 $\chi^2$/NDF:1440.7/24

Right Out: -0.549+/-0.021 $\chi^2$/NDF: 614.8/20

Left In: -0.457+/-0.008 $\chi^2$/NDF:1975.2/22

Left: -0.478+/-0.005 $\chi^2$/NDF: 3430.2/47

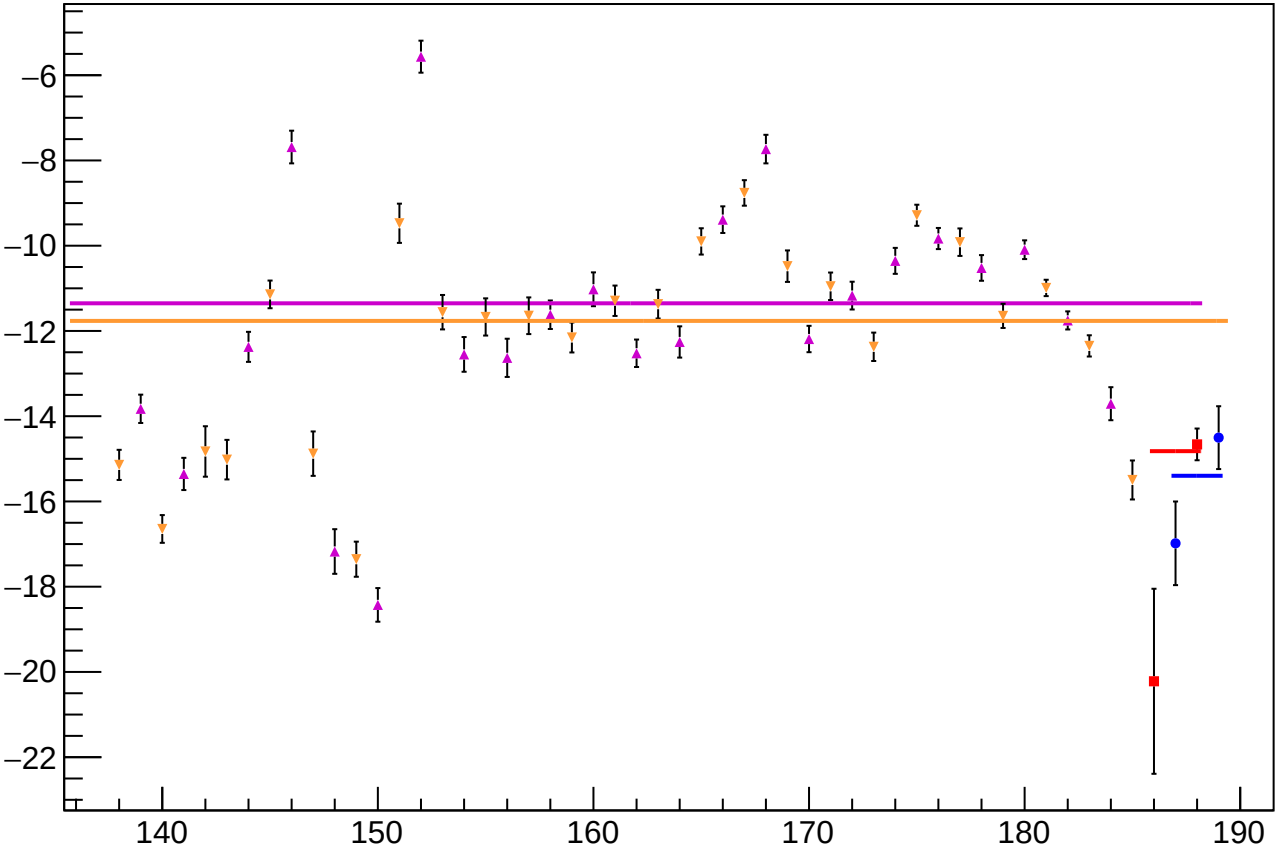
Right: -0.527+/-0.015 $\chi^2$/NDF: 922.8/39

In: -0.462+/-0.007 $\chi^2$/NDF:2284.6/41

Out: -0.504+/-0.007 $\chi^2$/NDF:2060.8/45

All: -0.483+/-0.005 $\chi^2$/NDF: 4362.2/87

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -15.398+/-0.589 $\chi^2$/NDF: 4.1/1

Left Out: -11.764+/-0.067 $\chi^2$/NDF:1025.9/24

Right Out: -14.820+/-0.367 $\chi^2$/NDF: 6.4/1

Left In: -11.352+/-0.068 $\chi^2$/NDF:1280.6/22

Left: -11.561+/-0.048 $\chi^2$/NDF: 2325.4/47

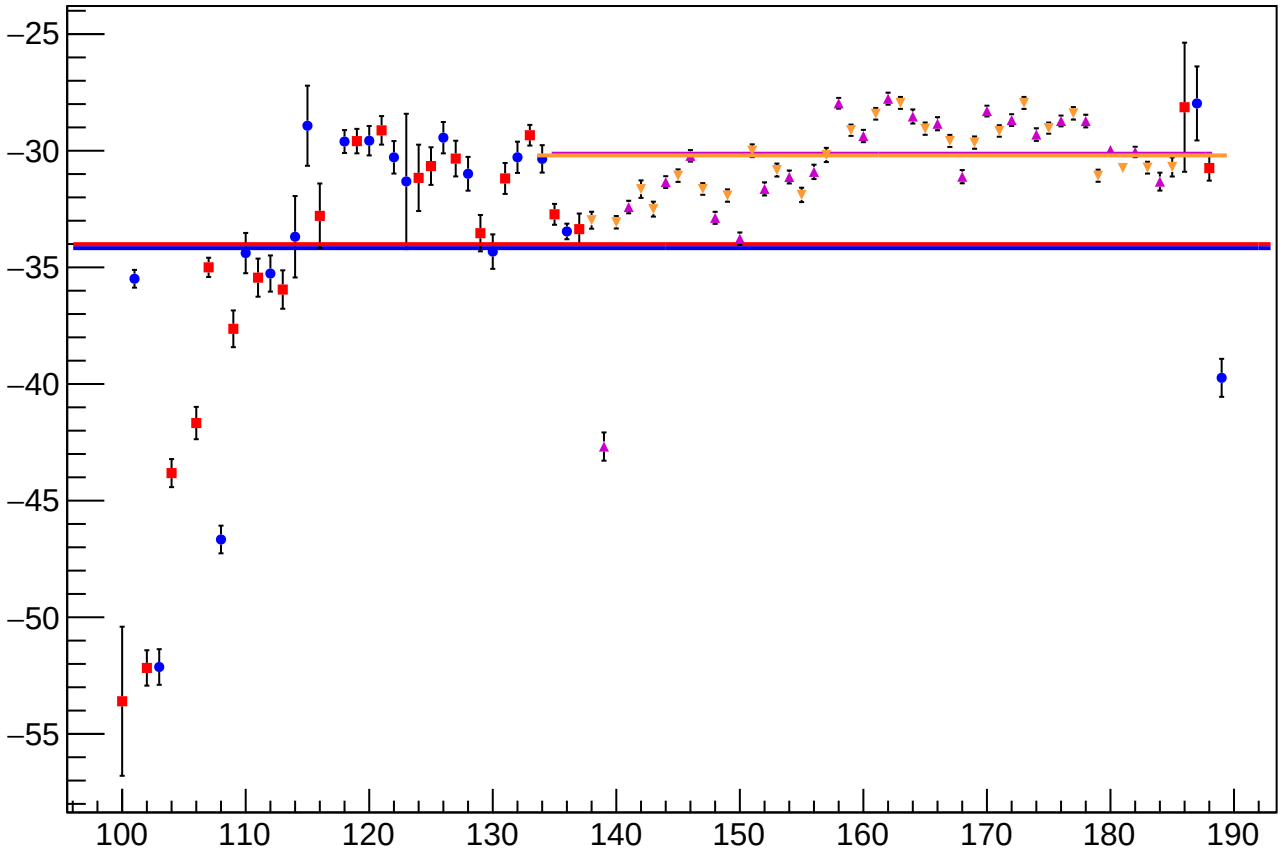
Right: -14.982+/-0.311 $\chi^2$/NDF: 11.1/3

In: -11.404+/-0.067 $\chi^2$/NDF:1331.3/24

Out: -11.862+/-0.066 $\chi^2$/NDF:1099.4/26

All: -11.639+/-0.047 $\chi^2$/NDF: 2454.4/51

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -34.176+/-0.148 $\chi^2$/NDF: 1403.4/18

Left Out: -30.201+/-0.054 $\chi^2$/NDF:725.7/24

Right Out: -34.005+/-0.145 $\chi^2$/NDF: 1393.7/20

Left In: -30.128+/-0.055 $\chi^2$/NDF:1290.4/22

Left: -30.165+/-0.039 $\chi^2$/NDF: 2017.0/47

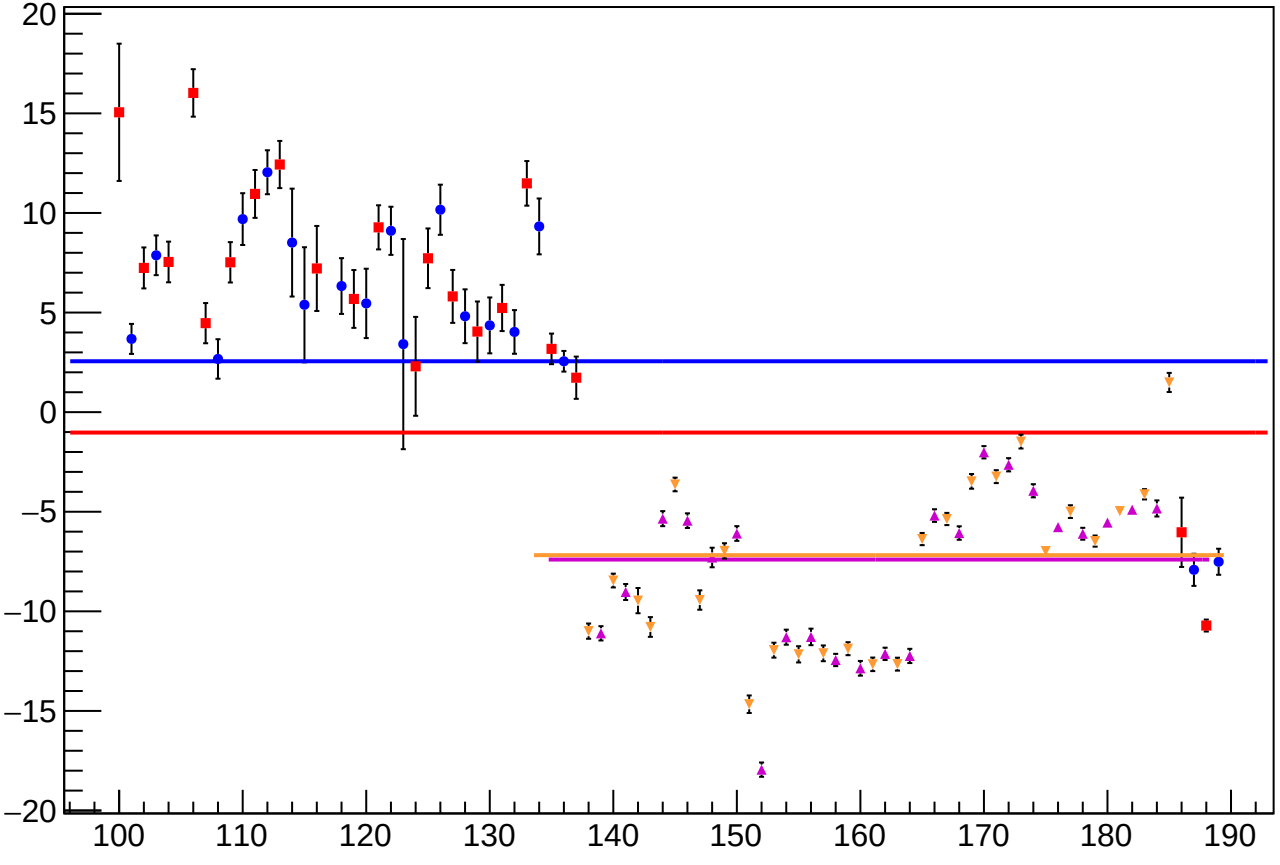
Right: -34.089+/-0.103 $\chi^2$/NDF: 2797.8/39

In: -30.628+/-0.052 $\chi^2$/NDF:3353.8/41

Out: -30.663+/-0.051 $\chi^2$/NDF:2723.4/45

All: -30.646+/-0.036 $\chi^2$/NDF: 6077.4/87

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 2.555+/-0.238 $\chi^2$/NDF: 651.5/18

Left Out: -7.180+/-0.067 $\chi^2$/NDF:3015.8/24

Right Out: -1.025+/-0.201 $\chi^2$/NDF: 2127.1/20

Left In: -7.400+/-0.068 $\chi^2$/NDF:3134.9/22

Left: -7.289+/-0.048 $\chi^2$/NDF: 6156.0/47

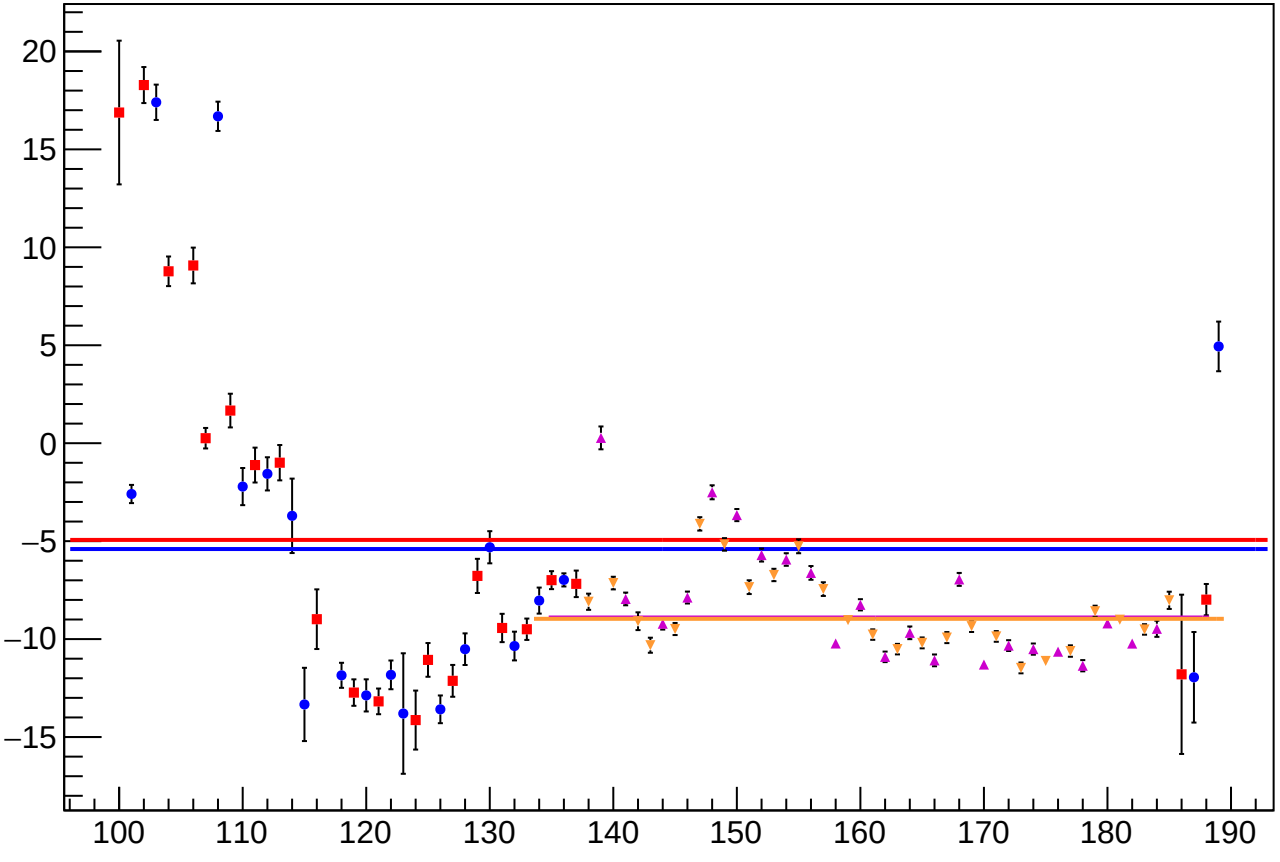
Right: 0.466+/-0.154 $\chi^2$/NDF: 2910.5/39

In: -6.658+/-0.065 $\chi^2$/NDF:5404.1/41

Out: -6.566+/-0.064 $\chi^2$/NDF:5986.1/45

All: -6.611+/-0.045 $\chi^2$/NDF: 11391.3/87

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -5.403+/-0.168 $\chi^2$/NDF: 2200.7/18

Left Out: -8.965+/-0.060 $\chi^2$/NDF:876.6/24

Right Out: -4.937+/-0.169 $\chi^2$/NDF: 2058.6/20

Left In: -8.898+/-0.061 $\chi^2$/NDF:1584.0/22

Left: -8.932+/-0.043 $\chi^2$/NDF: 2461.2/47

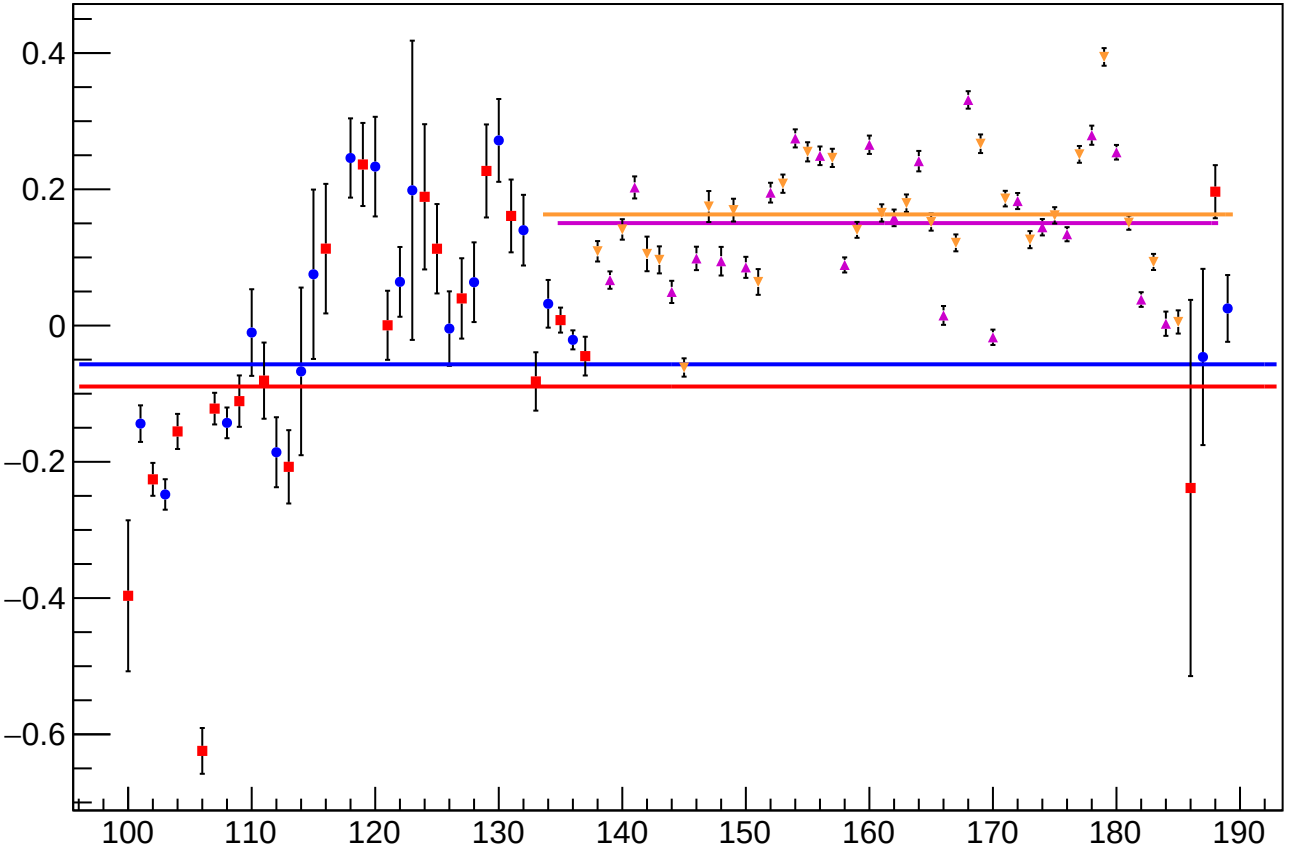
Right: -5.171+/-0.119 $\chi^2$/NDF: 4263.1/39

In: -8.484+/-0.058 $\chi^2$/NDF:4166.6/41

Out: -8.509+/-0.057 $\chi^2$/NDF:3440.5/45

All: -8.497+/-0.040 $\chi^2$/NDF: 7607.1/87

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.057+/-0.008 $\chi^2$/NDF: 220.5/18

Left Out: 0.163+/-0.003 $\chi^2$/NDF:1011.4/24

Right Out: -0.089+/-0.008 $\chi^2$/NDF: 492.1/20

Left In: 0.150+/-0.003 $\chi^2$/NDF:1296.5/22

Left: 0.157+/-0.002 $\chi^2$/NDF: 2318.7/47

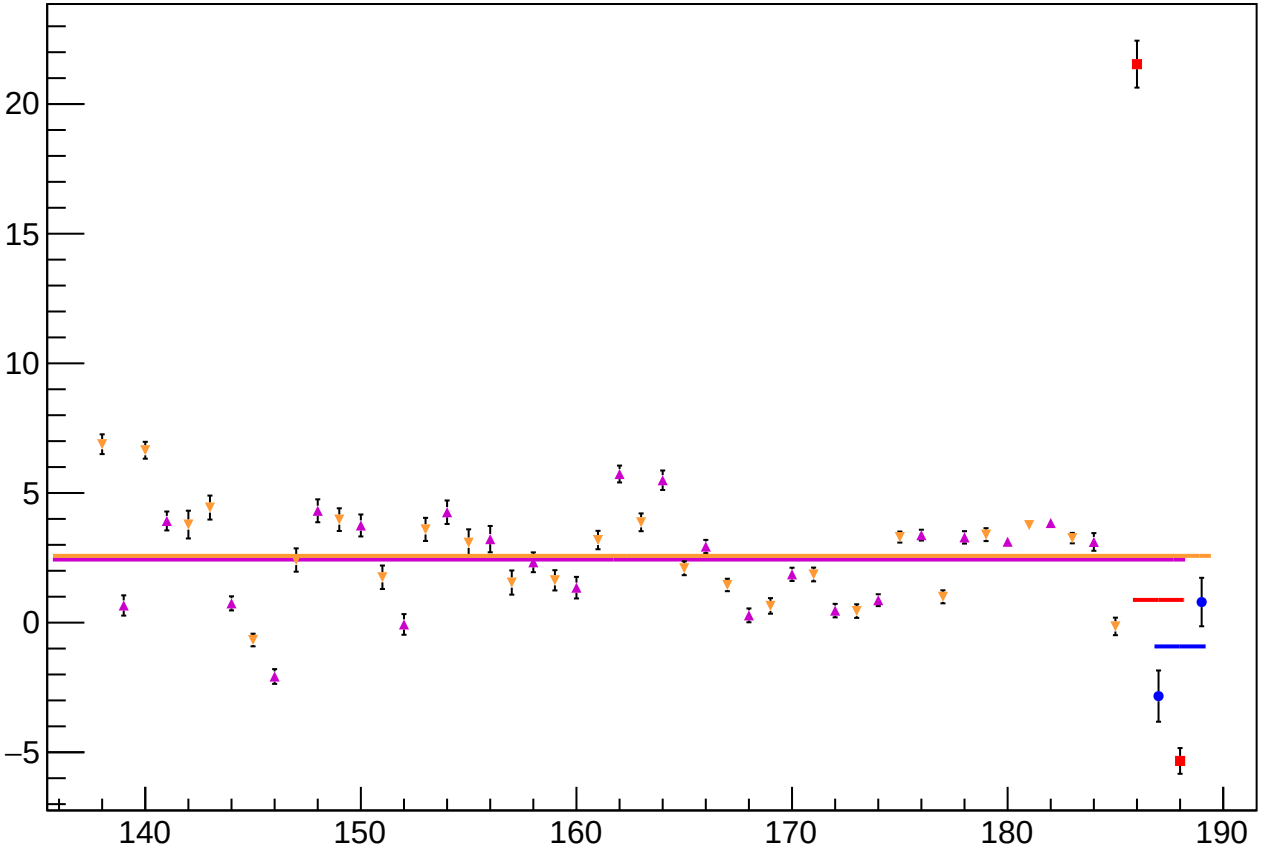
Right: -0.073+/-0.006 $\chi^2$/NDF: 720.4/39

In: 0.130+/-0.003 $\chi^2$/NDF:2084.8/41

Out: 0.138+/-0.003 $\chi^2$/NDF:2352.9/45

All: 0.134+/-0.002 $\chi^2$/NDF: 4442.9/87

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -0.918+/-0.679 $\chi^2$/NDF: 7.1/1

Left Out: 2.575+/-0.058 $\chi^2$/NDF:868.1/24

Right Out: 0.876+/-0.435 $\chi^2$/NDF: 677.5/1

Left In: 2.433+/-0.059 $\chi^2$/NDF:882.9/22

Left: 2.505+/-0.042 $\chi^2$/NDF: 1754.0/47

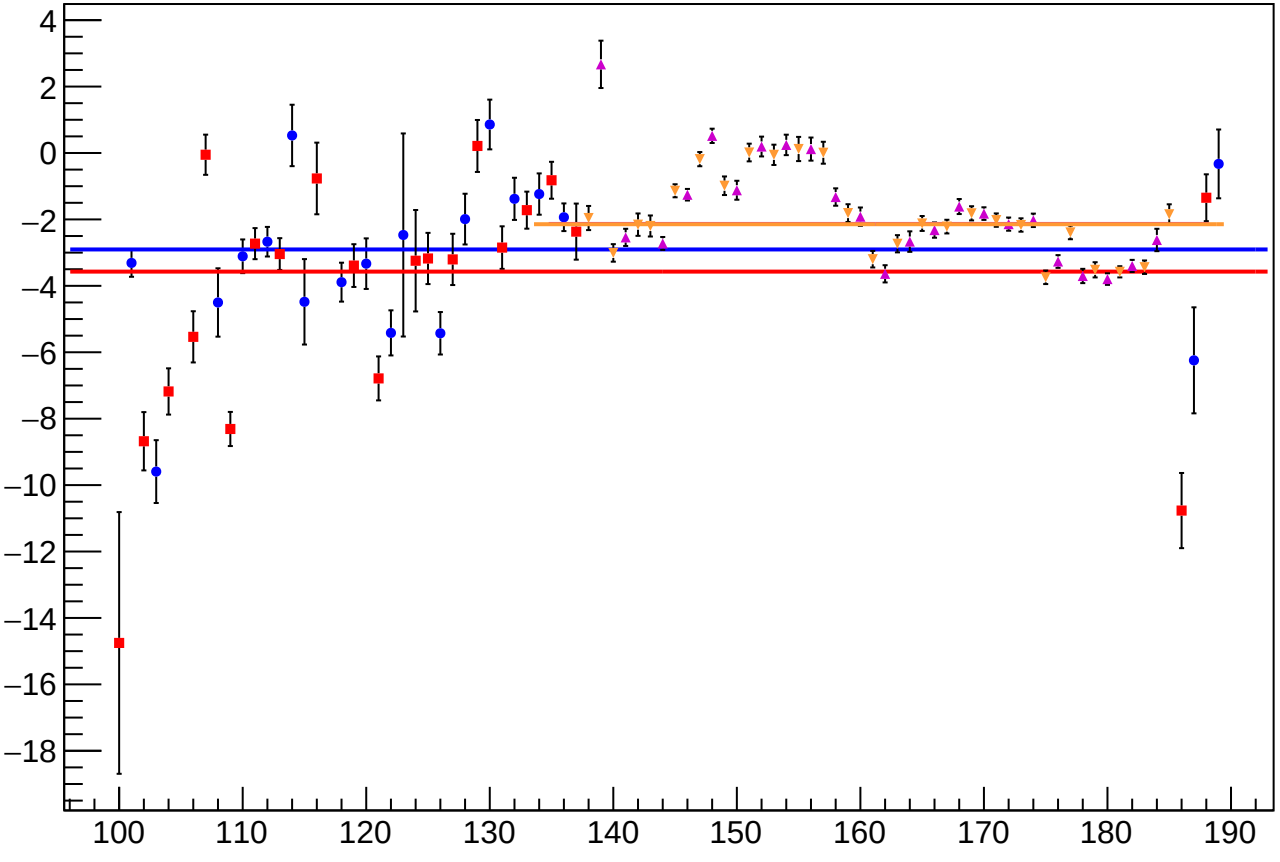
Right: 0.354+/-0.366 $\chi^2$/NDF: 689.6/3

In: 2.408+/-0.059 $\chi^2$/NDF:914.2/24

Out: 2.545+/-0.058 $\chi^2$/NDF:1560.5/26

All: 2.478+/-0.041 $\chi^2$/NDF: 2477.6/51

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -2.905+/-0.152 $\chi^2$/NDF: 157.1/18

Left Out: -2.145+/-0.048 $\chi^2$/NDF:572.6/24

Right Out: -3.572+/-0.150 $\chi^2$/NDF: 342.0/20

Left In: -2.137+/-0.048 $\chi^2$/NDF:693.6/22

Left: -2.141+/-0.034 $\chi^2$/NDF: 1266.1/47

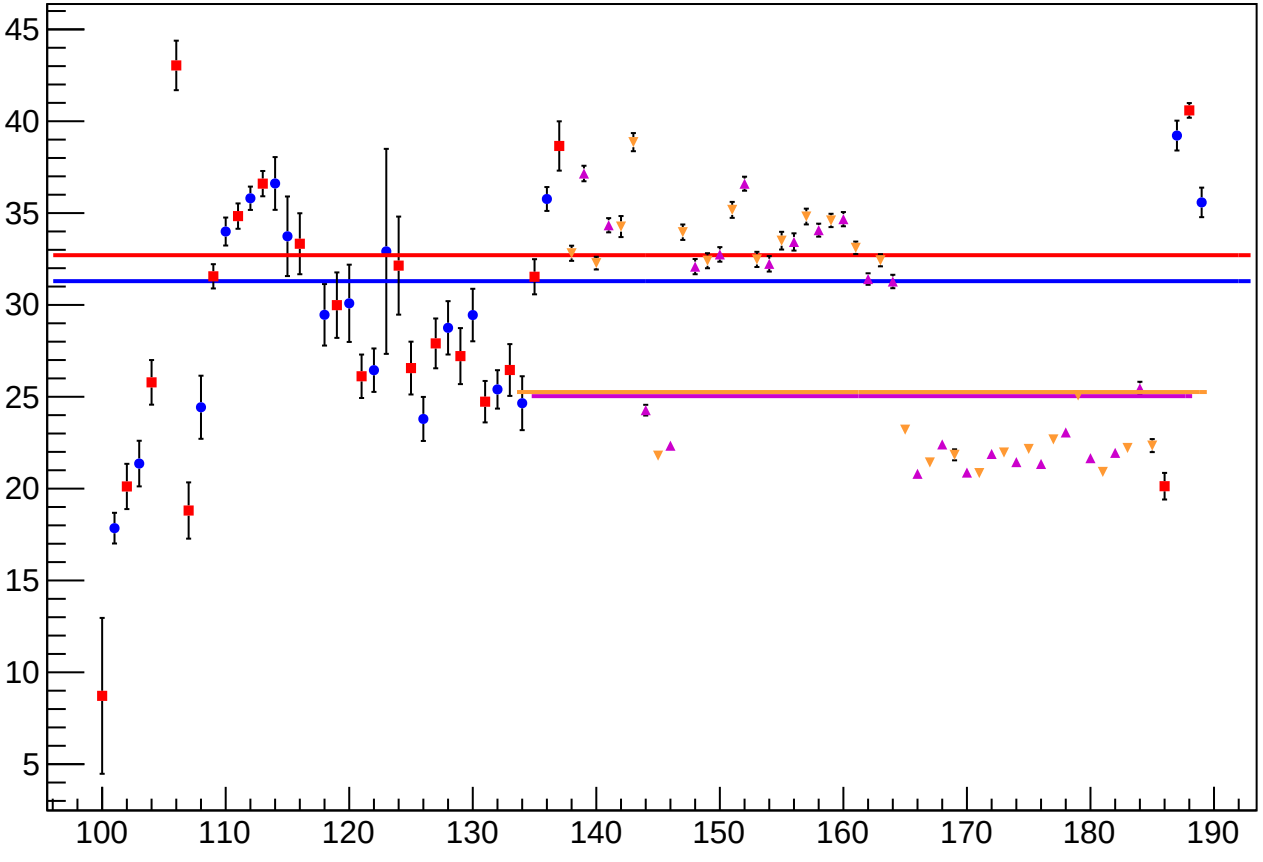
Right: -3.242+/-0.107 $\chi^2$/NDF: 509.0/39

In: -2.207+/-0.046 $\chi^2$/NDF:874.0/41

Out: -2.276+/-0.045 $\chi^2$/NDF:997.1/45

All: -2.242+/-0.032 $\chi^2$/NDF: 1872.2/87

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 31.295+/-0.242 $\chi^2$/NDF: 702.6/18

Left Out: 25.258+/-0.059 $\chi^2$/NDF:8135.5/24

Right Out: 32.708+/-0.209 $\chi^2$/NDF: 1212.3/20

Left In: 25.034+/-0.059 $\chi^2$/NDF:7690.0/22

Left: 25.147+/-0.042 $\chi^2$/NDF: 15832.7/47

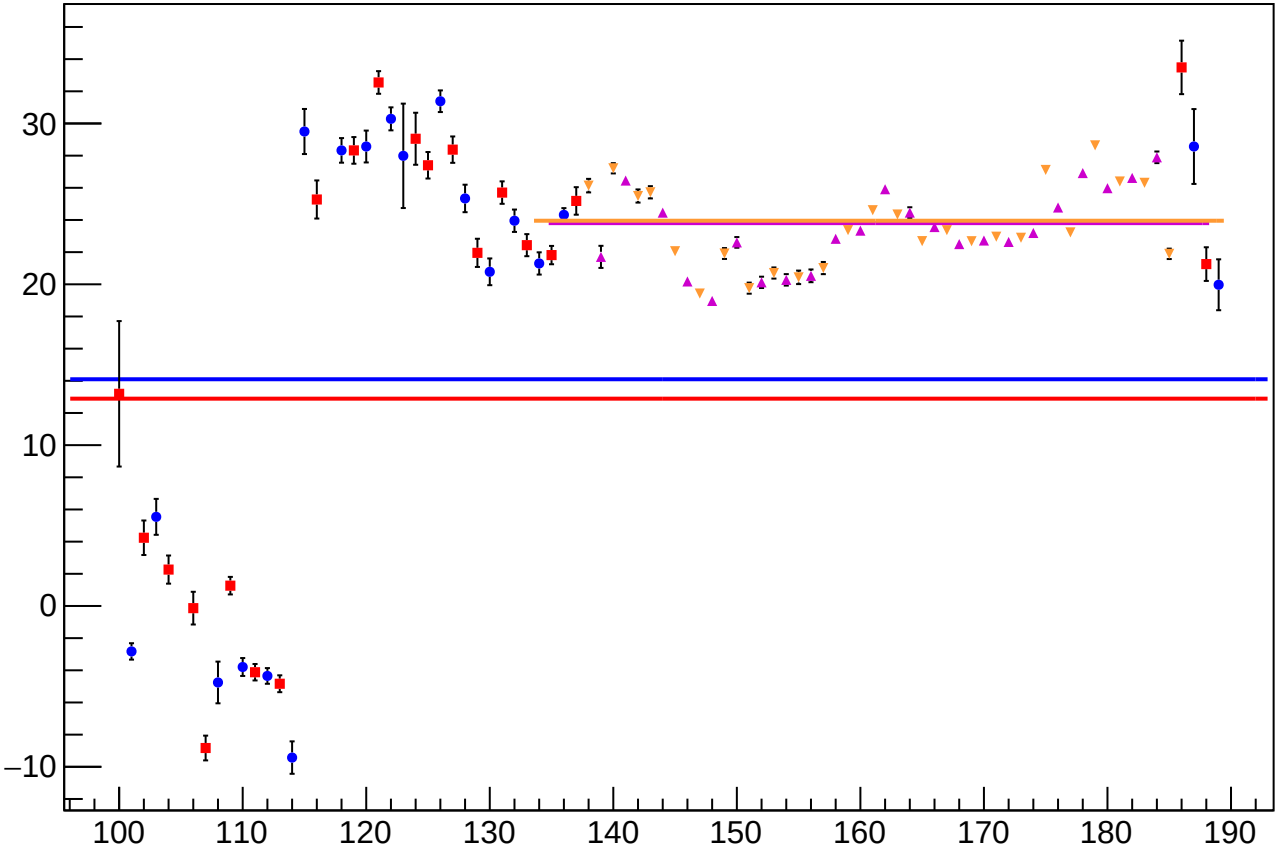
Right: 32.104+/-0.158 $\chi^2$/NDF: 1934.5/39

In: 25.390+/-0.058 $\chi^2$/NDF:9025.5/41

Out: 25.808+/-0.057 $\chi^2$/NDF:10527.6/45

All: 25.603+/-0.040 $\chi^2$/NDF: 19579.8/87

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 14.097+/-0.170 $\chi^2$/NDF: 7445.1/18

Left Out: 23.953+/-0.053 $\chi^2$/NDF:1915.9/24

Right Out: 12.890+/-0.170 $\chi^2$/NDF: 7187.1/20

Left In: 23.804+/-0.054 $\chi^2$/NDF:1760.4/22

Left: 23.880+/-0.038 $\chi^2$/NDF: 3680.1/47

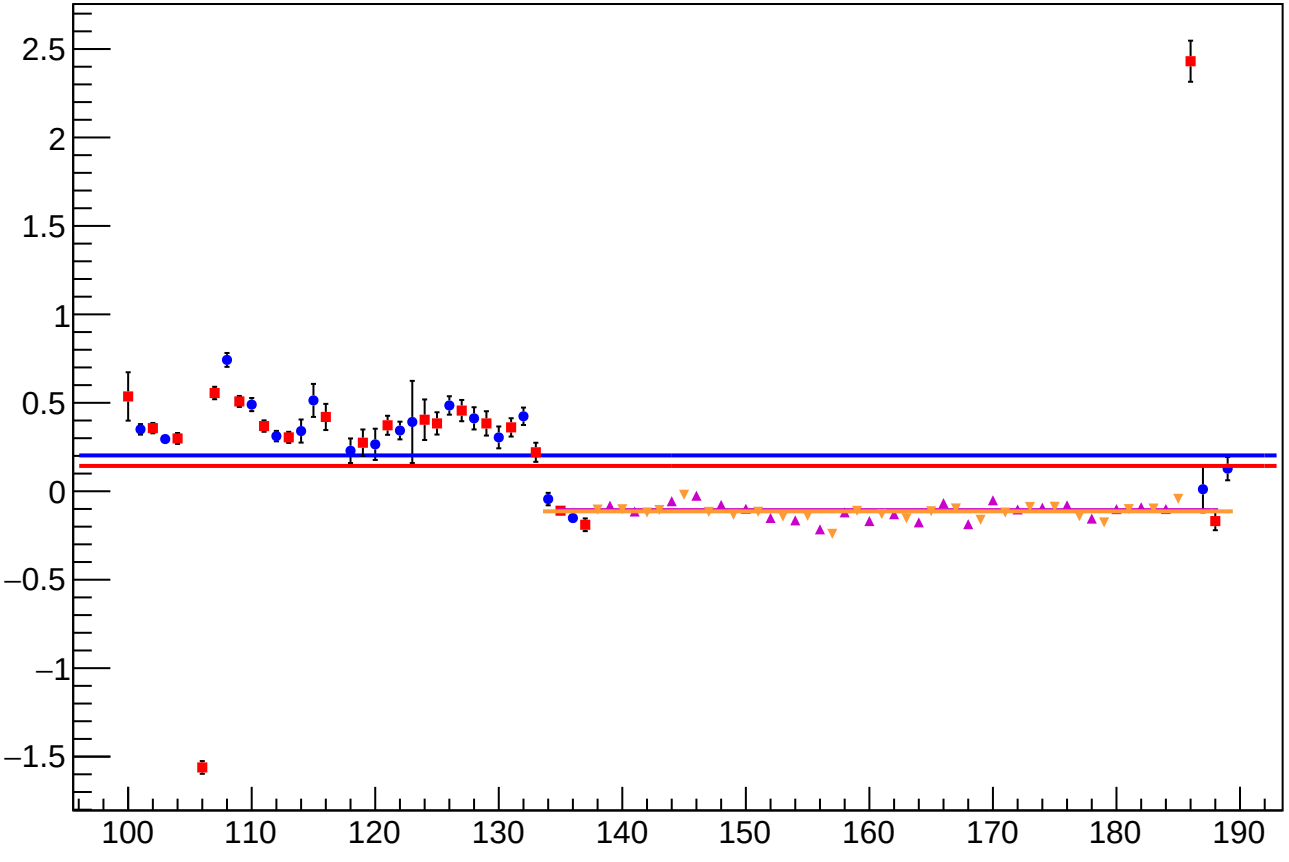
Right: 13.493+/-0.121 $\chi^2$/NDF: 14657.3/39

In: 22.923+/-0.051 $\chi^2$/NDF:12153.1/41

Out: 22.971+/-0.051 $\chi^2$/NDF:12942.5/45

All: 22.947+/-0.036 $\chi^2$/NDF: 25096.0/87

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.203+/-0.009 $\chi^2$/NDF: 849.7/18

Left Out: -0.114+/-0.002 $\chi^2$/NDF:290.8/24

Right Out: 0.143+/-0.009 $\chi^2$/NDF: 3441.2/20

Left In: -0.107+/-0.002 $\chi^2$/NDF:322.0/22

Left: -0.110+/-0.002 $\chi^2$/NDF: 616.8/47

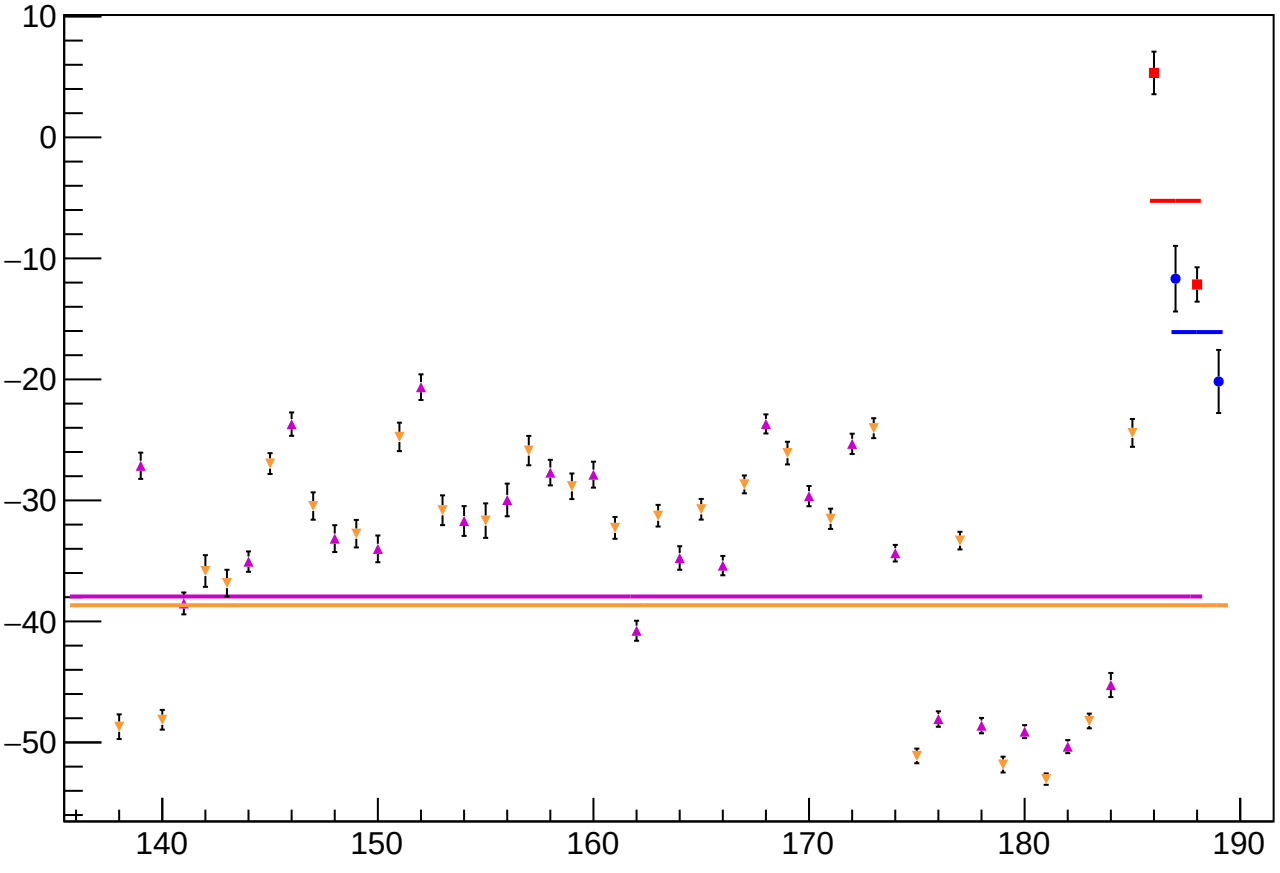
Right: 0.172+/-0.006 $\chi^2$/NDF: 4312.0/39

In: -0.086+/-0.002 $\chi^2$/NDF:2217.6/41

Out: -0.096+/-0.002 $\chi^2$/NDF:4487.0/45

All: -0.091+/-0.002 $\chi^2$/NDF: 6713.5/87

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -16.089+/-1.879 $\chi^2$/NDF: 5.1/1

Left Out: -38.660+/-0.169 $\chi^2$/NDF:4073.8/24

Right Out: -5.243+/-1.105 $\chi^2$/NDF: 59.8/1

Left In: -37.939+/-0.173 $\chi^2$/NDF:3133.2/22

Left: -38.306+/-0.121 $\chi^2$/NDF: 7216.0/47

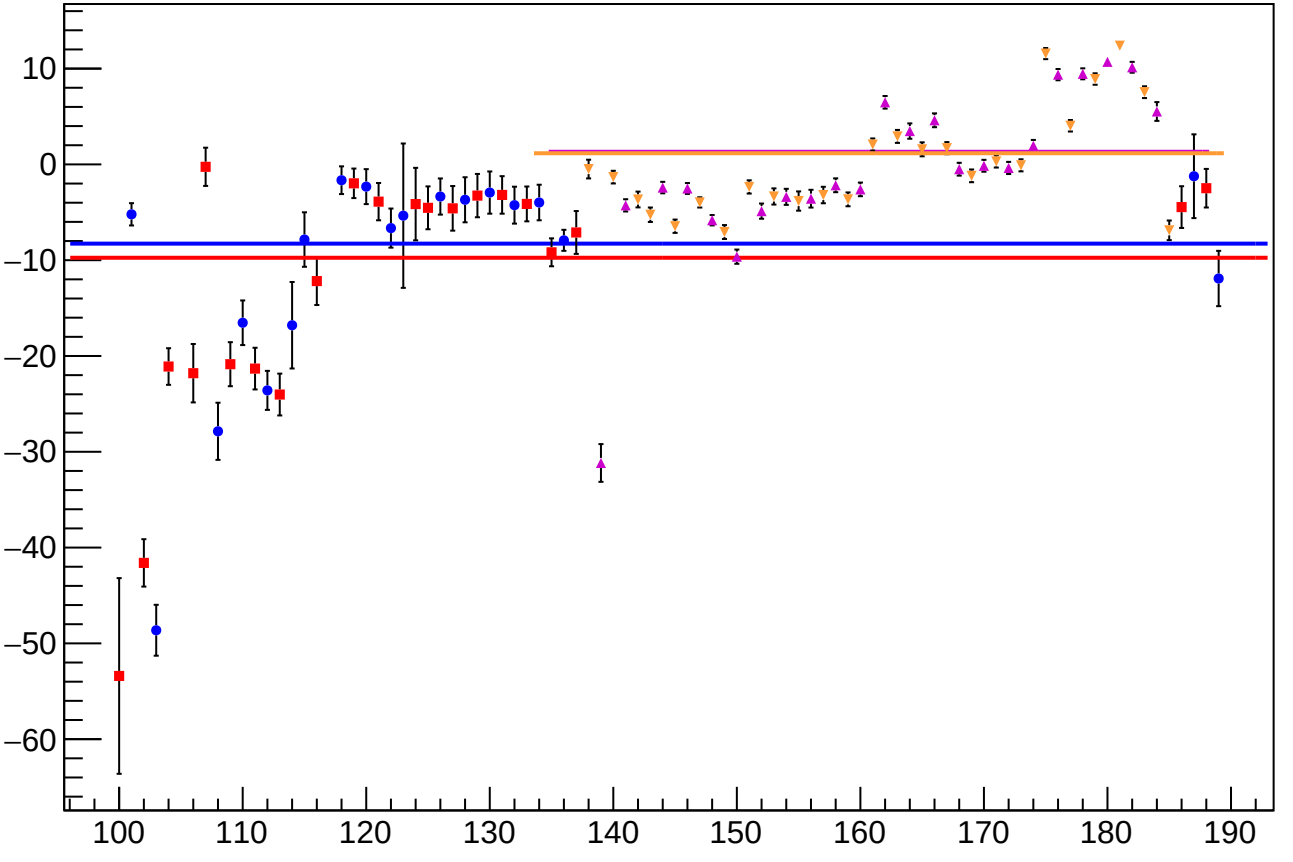
Right: -8.029+/-0.953 $\chi^2$/NDF: 89.7/3

In: -37.757+/-0.172 $\chi^2$/NDF:3272.4/24

Out: -37.893+/-0.167 $\chi^2$/NDF:5027.2/26

All: -37.827+/-0.120 $\chi^2$/NDF: 8299.9/51

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -8.271+/-0.454 $\chi^2$/NDF: 416.3/18

Left Out: 1.163+/-0.136 $\chi^2$/NDF:1786.1/24

Right Out: -9.745+/-0.466 $\chi^2$/NDF: 449.4/20

Left In: 1.319+/-0.139 $\chi^2$/NDF:2080.7/22

Left: 1.239+/-0.097 $\chi^2$/NDF: 3867.4/47

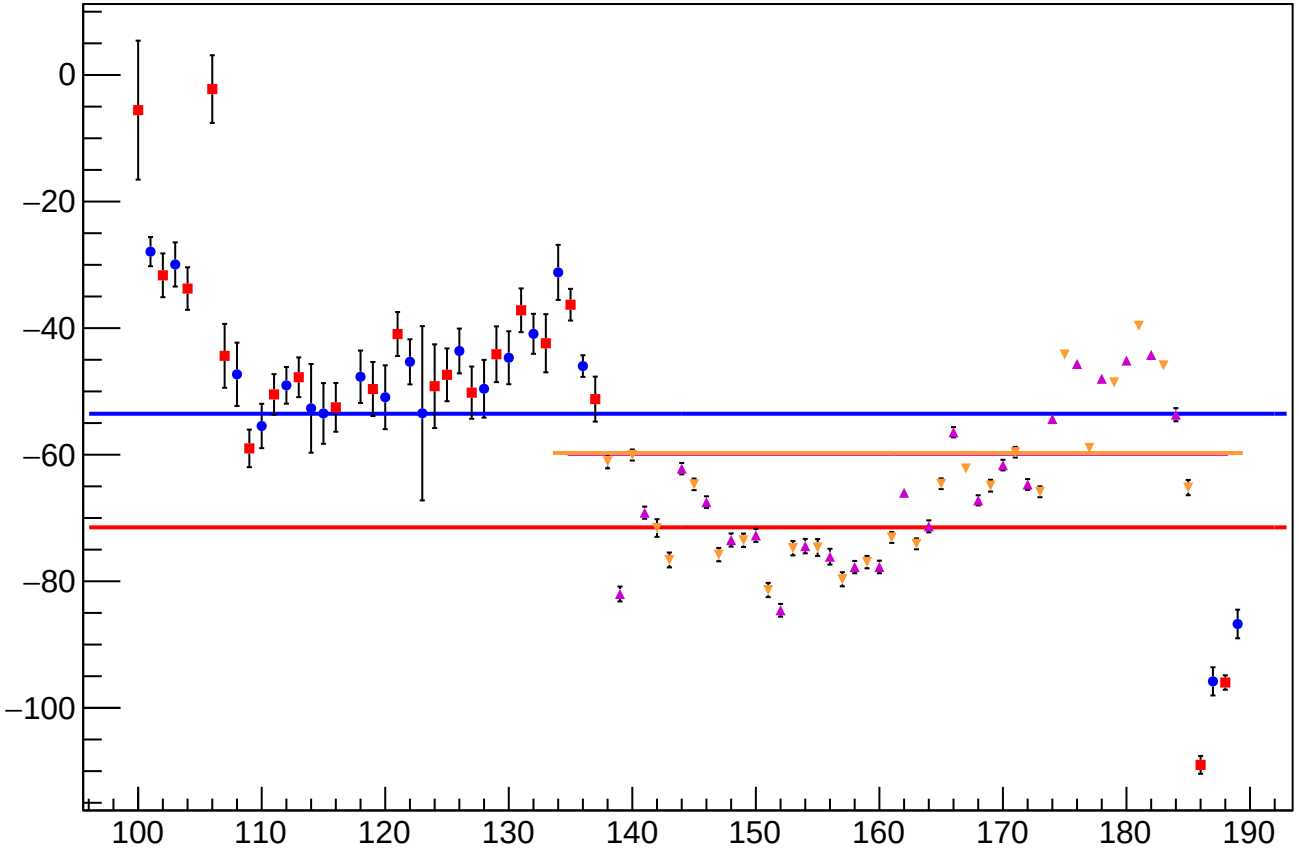
Right: -8.989+/-0.325 $\chi^2$/NDF: 870.8/39

In: 0.491+/-0.133 $\chi^2$/NDF:2905.0/41

Out: 0.304+/-0.131 $\chi^2$/NDF:2739.8/45

All: 0.396+/-0.093 $\chi^2$/NDF: 5645.8/87

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -53.527+/-0.738 $\chi^2$/NDF: 831.8/18

Left Out: -59.724+/-0.170 $\chi^2$/NDF:5789.8/24

Right Out: -71.480+/-0.620 $\chi^2$/NDF: 2382.2/20

Left In: -59.864+/-0.173 $\chi^2$/NDF:5275.1/22

Left: -59.793+/-0.121 $\chi^2$/NDF: 11065.1/47

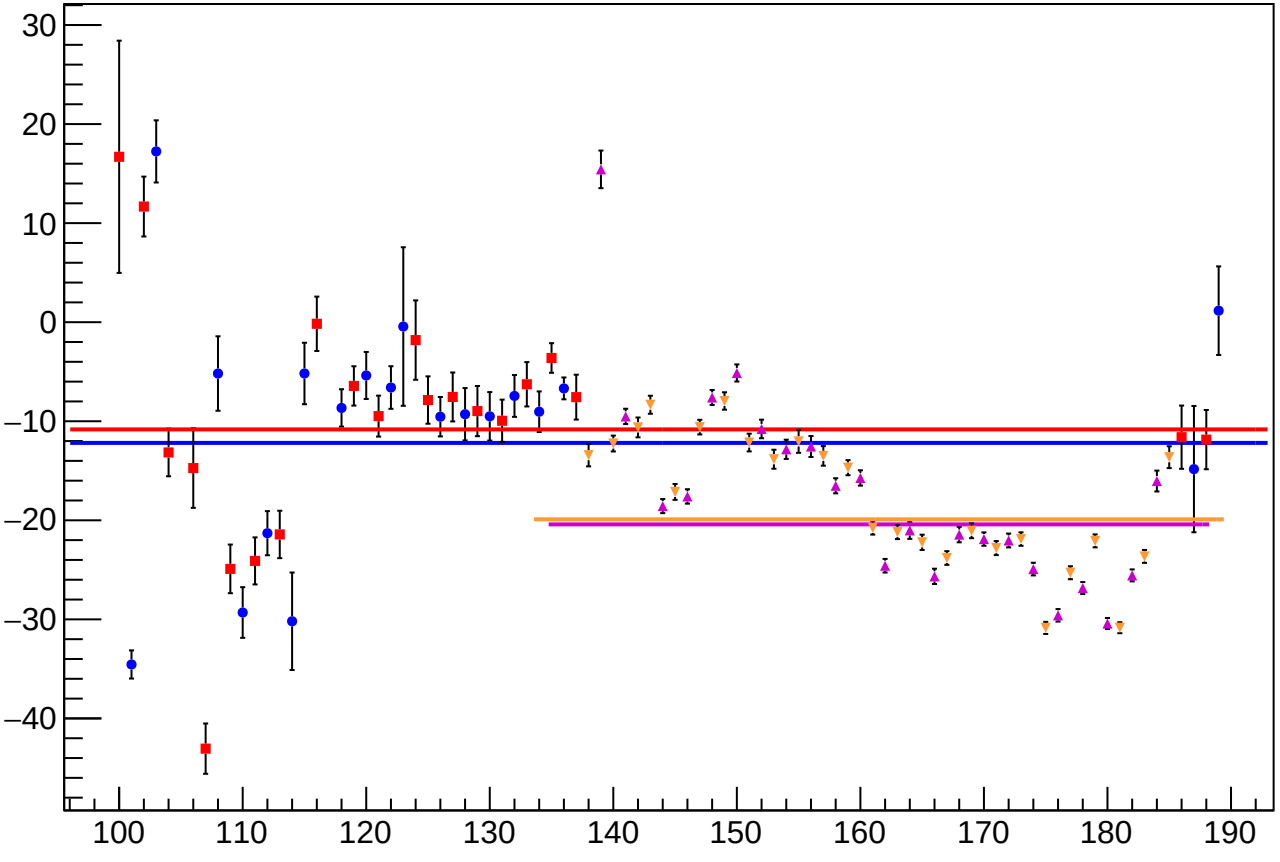
Right: -64.052+/-0.475 $\chi^2$/NDF: 3560.4/39

In: -59.536+/-0.168 $\chi^2$/NDF:6176.7/41

Out: -60.549+/-0.164 $\chi^2$/NDF:8505.7/45

All: -60.054+/-0.118 $\chi^2$/NDF: 14701.0/87

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -12.185+/-0.515 $\chi^2$/NDF: 485.1/18

Left Out: -19.902+/-0.153 $\chi^2$/NDF:1904.7/24

Right Out: -10.824+/-0.537 $\chi^2$/NDF: 366.8/20

Left In: -20.412+/-0.156 $\chi^2$/NDF:2345.4/22

Left: -20.152+/-0.109 $\chi^2$/NDF: 4255.5/47

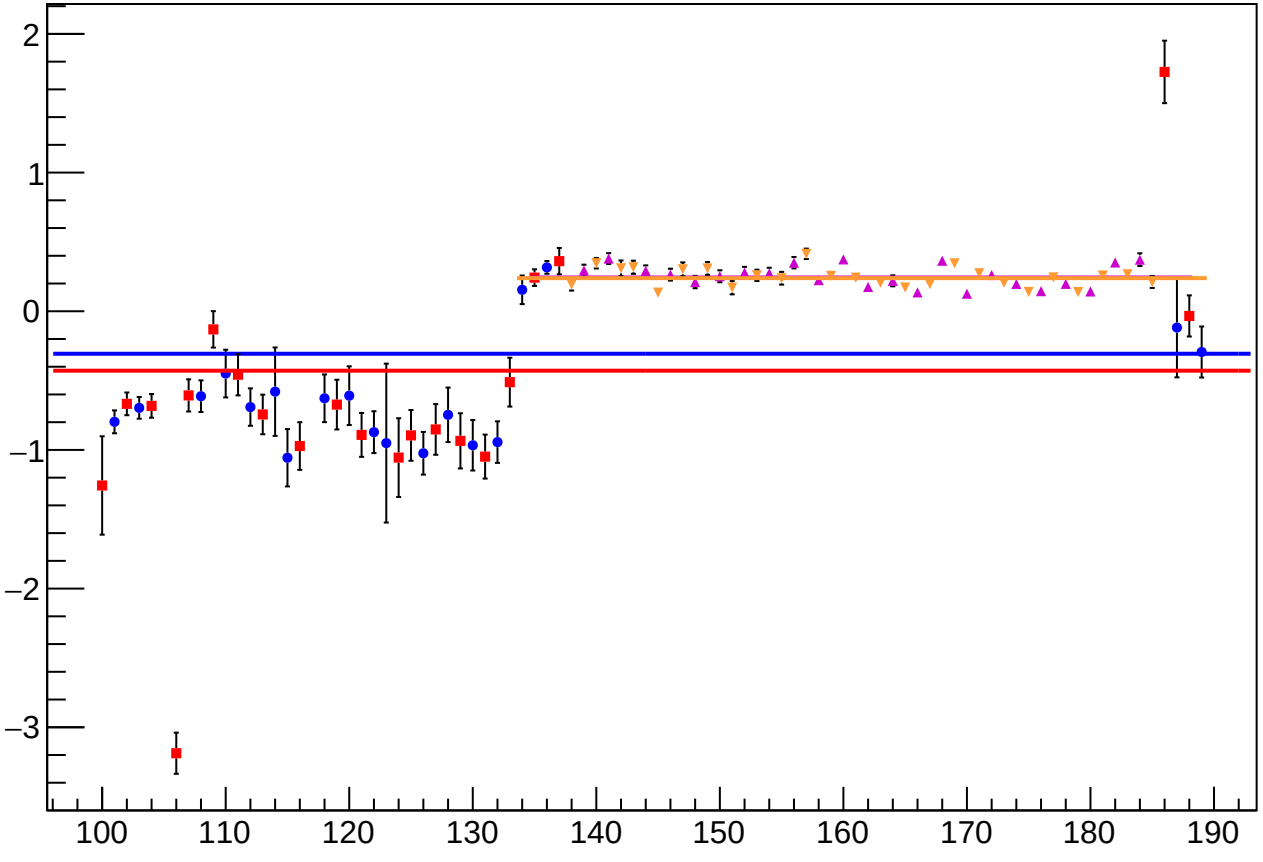
Right: -11.533+/-0.371 $\chi^2$/NDF: 855.3/39

In: -19.718+/-0.149 $\chi^2$/NDF:3064.6/41

Out: -19.219+/-0.147 $\chi^2$/NDF:2536.2/45

All: -19.465+/-0.105 $\chi^2$/NDF: 5606.4/87

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.306+/-0.027 $\chi^2$/NDF: 372.7/18

Left Out: 0.239+/-0.007 $\chi^2$/NDF:93.5/24

Right Out: -0.429+/-0.028 $\chi^2$/NDF: 732.8/20

Left In: 0.243+/-0.007 $\chi^2$/NDF:139.2/22

Left: 0.241+/-0.005 $\chi^2$/NDF: 232.9/47

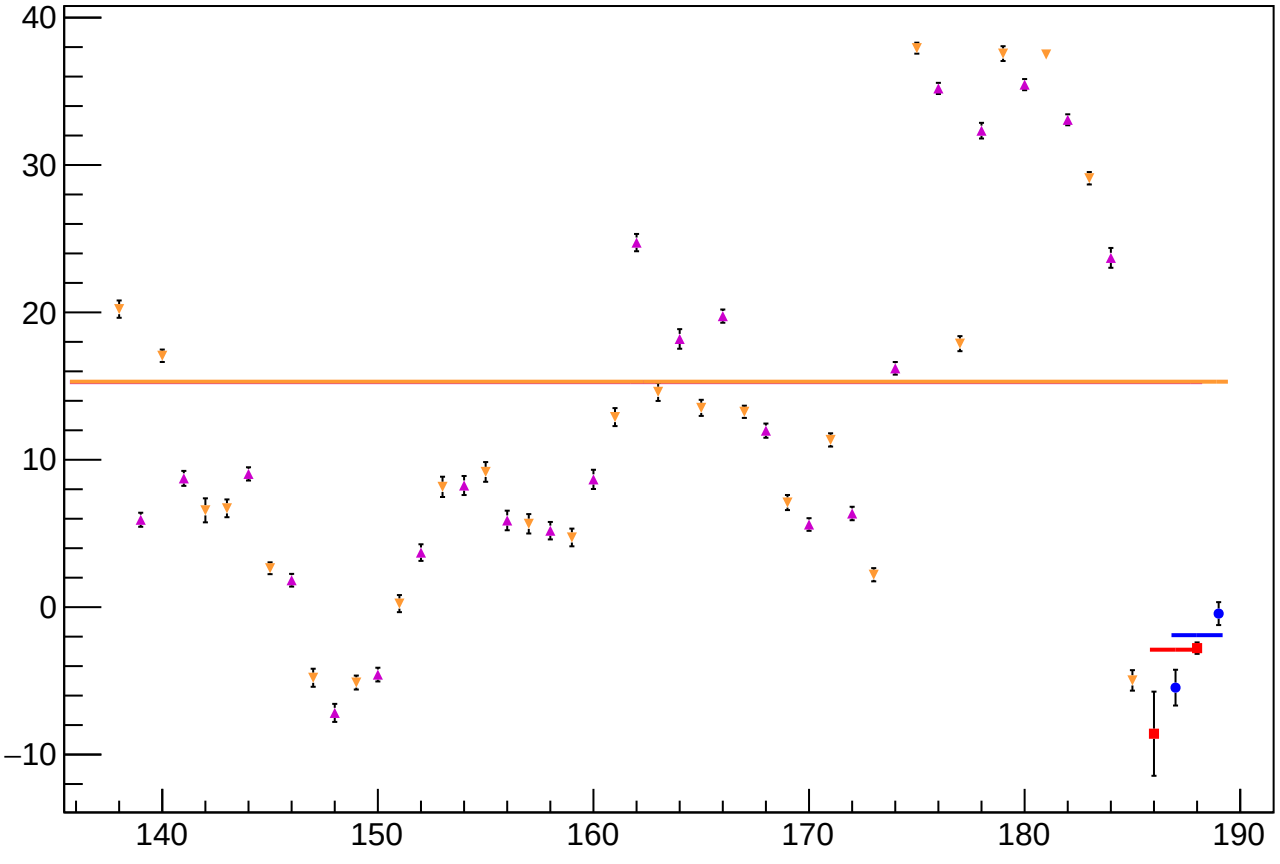
Right: -0.366+/-0.019 $\chi^2$/NDF: 1115.3/39

In: 0.208+/-0.007 $\chi^2$/NDF:896.0/41

Out: 0.199+/-0.007 $\chi^2$/NDF:1368.0/45

All: 0.203+/-0.005 $\chi^2$/NDF: 2264.8/87

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -1.900+/-0.655 $\chi^2$/NDF: 12.1/1

Left Out: 15.298+/-0.101 $\chi^2$/NDF:19135.0/24

Right Out: -2.886+/-0.385 $\chi^2$/NDF: 4.1/1

Left In: 15.268+/-0.102 $\chi^2$/NDF:16406.3/22

Left: 15.283+/-0.072 $\chi^2$/NDF: 35541.3/47

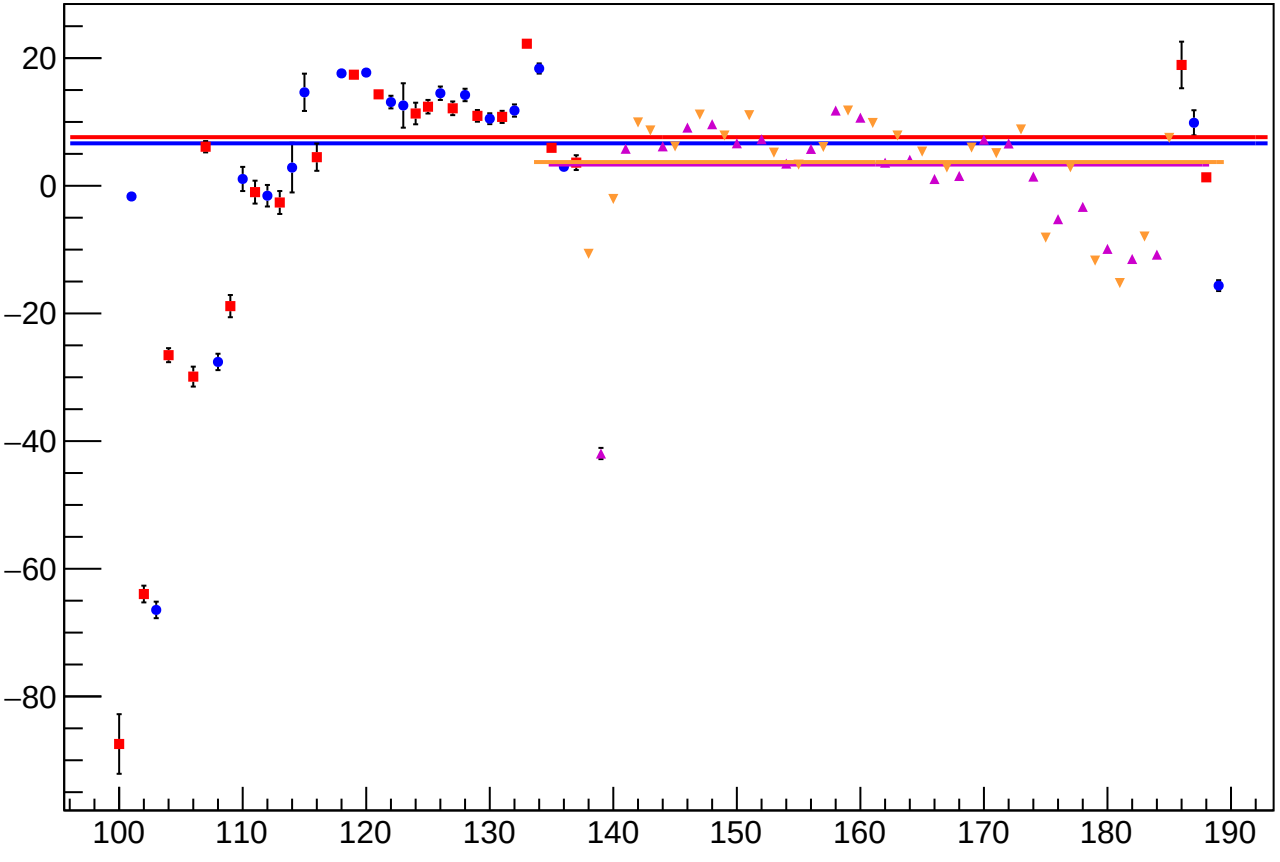
Right: -2.633+/-0.332 $\chi^2$/NDF: 17.9/3

In: 14.861+/-0.101 $\chi^2$/NDF:17089.0/24

Out: 14.136+/-0.097 $\chi^2$/NDF:21223.6/26

All: 14.486+/-0.070 $\chi^2$/NDF: 38339.3/51

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 6.649+/-0.207 $\chi^2$/NDF: 6099.8/18

Left Out: 3.717+/-0.079 $\chi^2$/NDF:9201.0/24

Right Out: 7.617+/-0.200 $\chi^2$/NDF: 6850.4/20

Left In: 3.327+/-0.081 $\chi^2$/NDF:8830.5/22

Left: 3.527+/-0.057 $\chi^2$/NDF: 18043.4/47

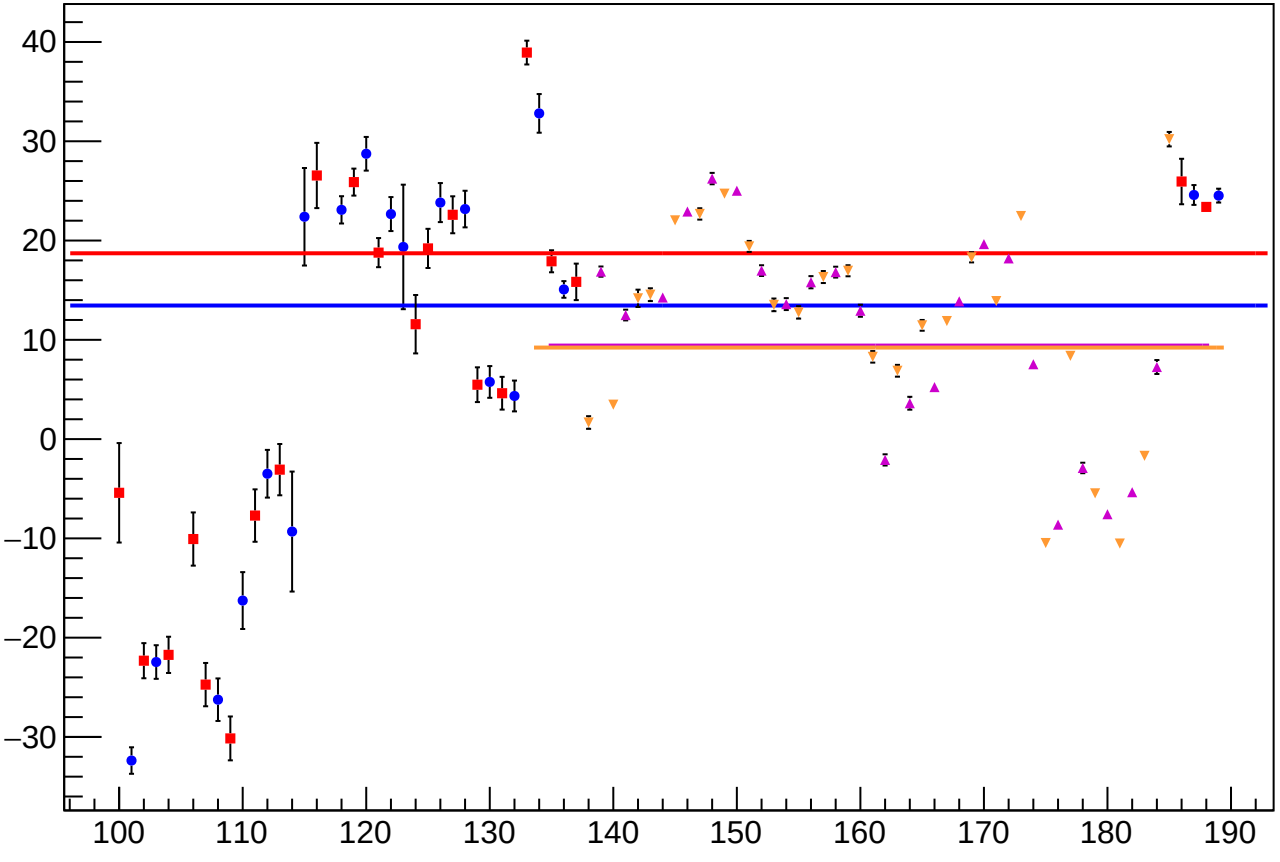
Right: 7.152+/-0.144 $\chi^2$/NDF: 12961.6/39

In: 3.766+/-0.075 $\chi^2$/NDF:15153.0/41

Out: 4.245+/-0.073 $\chi^2$/NDF:16381.5/45

All: 4.012+/-0.053 $\chi^2$/NDF: 31555.2/87

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 13.455+/-0.336 $\chi^2$/NDF: 2898.4/18

Left Out: 9.220+/-0.101 $\chi^2$/NDF:13617.0/24

Right Out: 18.717+/-0.250 $\chi^2$/NDF: 2915.9/20

Left In: 9.420+/-0.102 $\chi^2$/NDF:12078.1/22

Left: 9.319+/-0.072 $\chi^2$/NDF: 25697.1/47

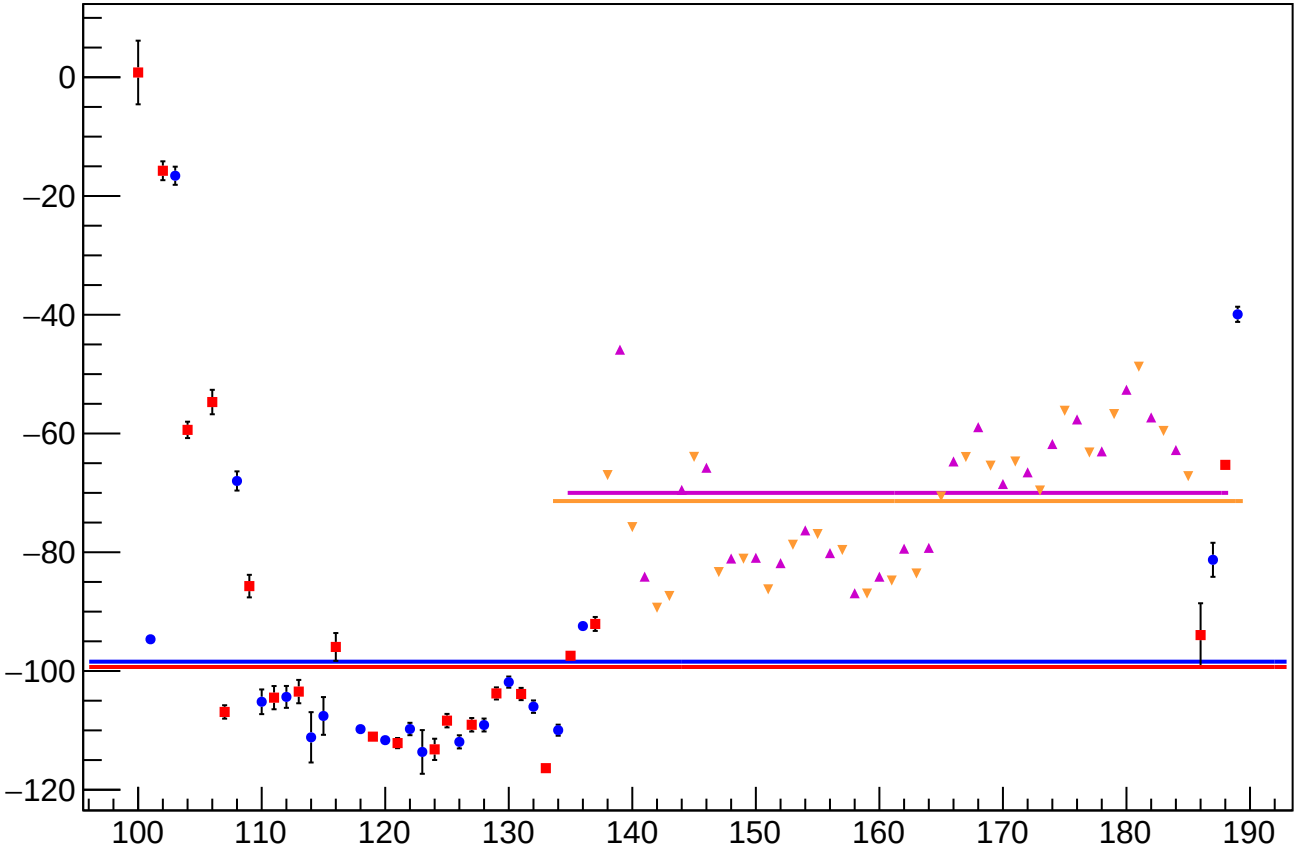
Right: 16.846+/-0.201 $\chi^2$/NDF: 5972.0/39

In: 9.760+/-0.098 $\chi^2$/NDF:15108.3/41

Out: 10.555+/-0.094 $\chi^2$/NDF:17773.8/45

All: 10.174+/-0.068 $\chi^2$/NDF: 32916.6/87

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -98.428+/-0.243 $\chi^2$/NDF: 6734.9/18

Left Out: -71.379+/-0.089 $\chi^2$/NDF:16226.2/24

Right Out: -99.324+/-0.236 $\chi^2$/NDF: 7925.9/20

Left In: -69.999+/-0.091 $\chi^2$/NDF:13188.0/22

Left: -70.704+/-0.064 $\chi^2$/NDF: 29530.5/47

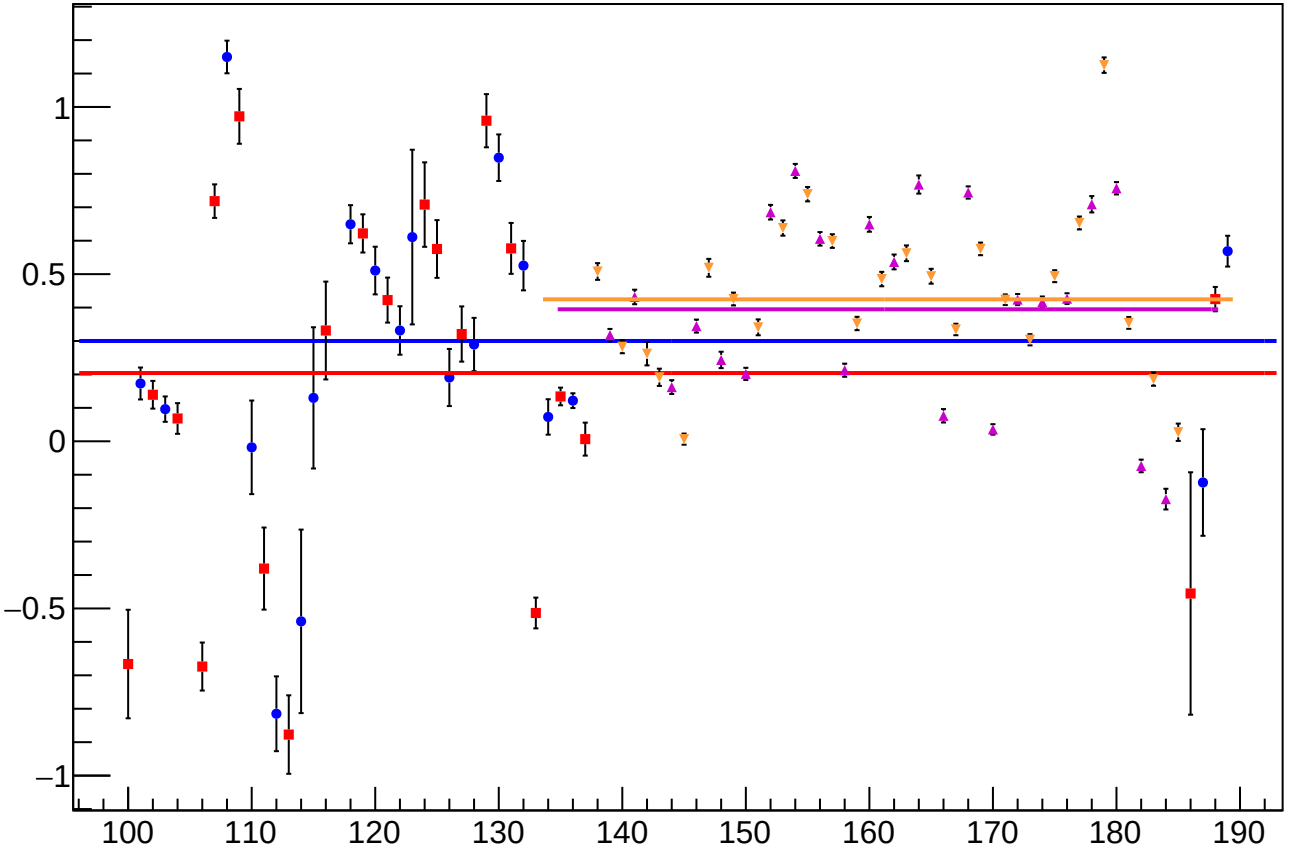
Right: -98.889+/-0.169 $\chi^2$/NDF: 14667.8/39

In: -73.533+/-0.086 $\chi^2$/NDF:31947.8/41

Out: -74.898+/-0.084 $\chi^2$/NDF:36433.5/45

All: -74.231+/-0.060 $\chi^2$/NDF: 68511.4/87

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.300+/-0.013 $\chi^2$/NDF: 699.2/18

Left Out: 0.425+/-0.004 $\chi^2$/NDF:2866.9/24

Right Out: 0.204+/-0.013 $\chi^2$/NDF: 1011.5/20

Left In: 0.395+/-0.004 $\chi^2$/NDF:4063.1/22

Left: 0.410+/-0.003 $\chi^2$/NDF: 6956.2/47

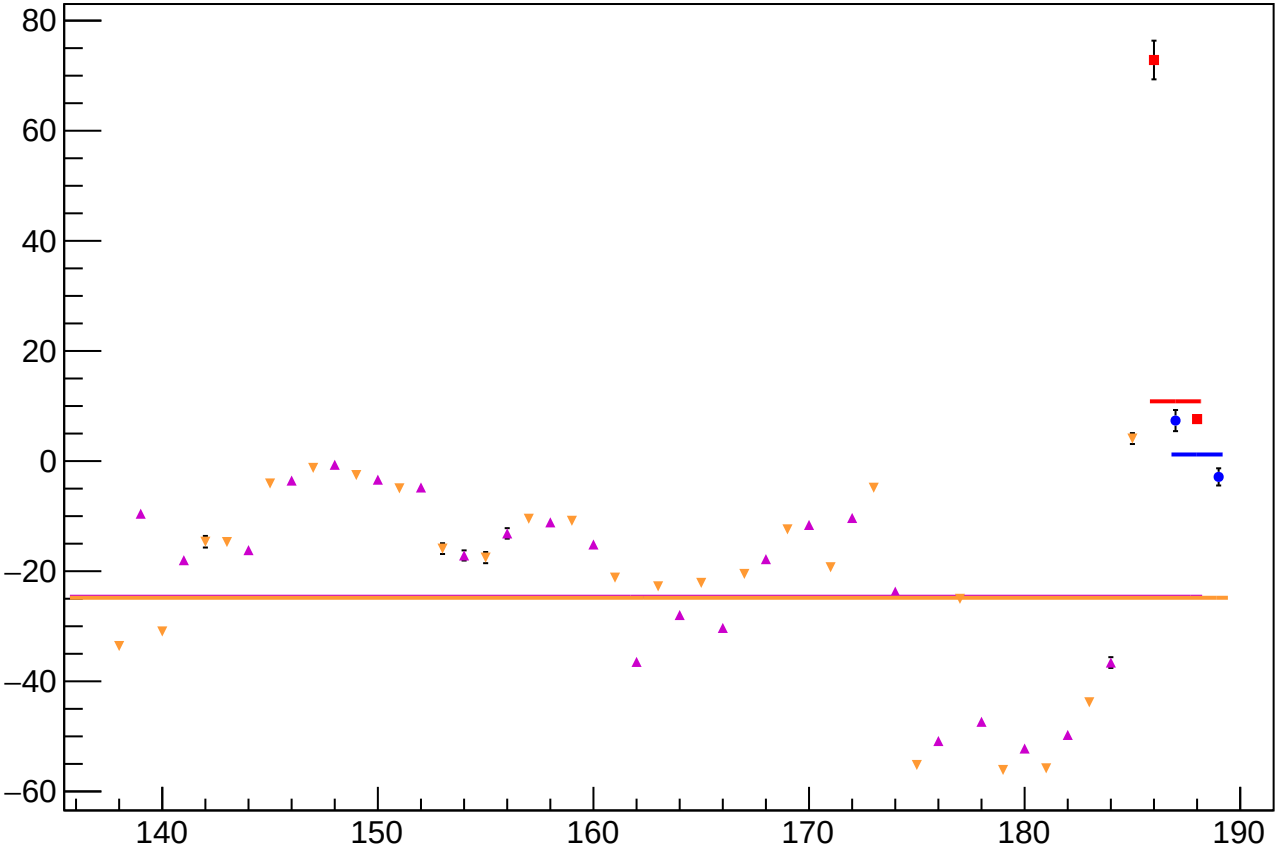
Right: 0.251+/-0.009 $\chi^2$/NDF: 1739.0/39

In: 0.386+/-0.004 $\chi^2$/NDF:4811.3/41

Out: 0.403+/-0.004 $\chi^2$/NDF:4155.0/45

All: 0.395+/-0.003 $\chi^2$/NDF: 8976.3/87

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 1.199+/-1.211 $\chi^2$/NDF: 17.1/1

Left Out: -24.824+/-0.140 $\chi^2$/NDF:18274.6/24

Right Out: 10.853+/-0.781 $\chi^2$/NDF: 327.7/1

Left In: -24.635+/-0.142 $\chi^2$/NDF:14947.9/22

Left: -24.731+/-0.100 $\chi^2$/NDF: 33223.4/47

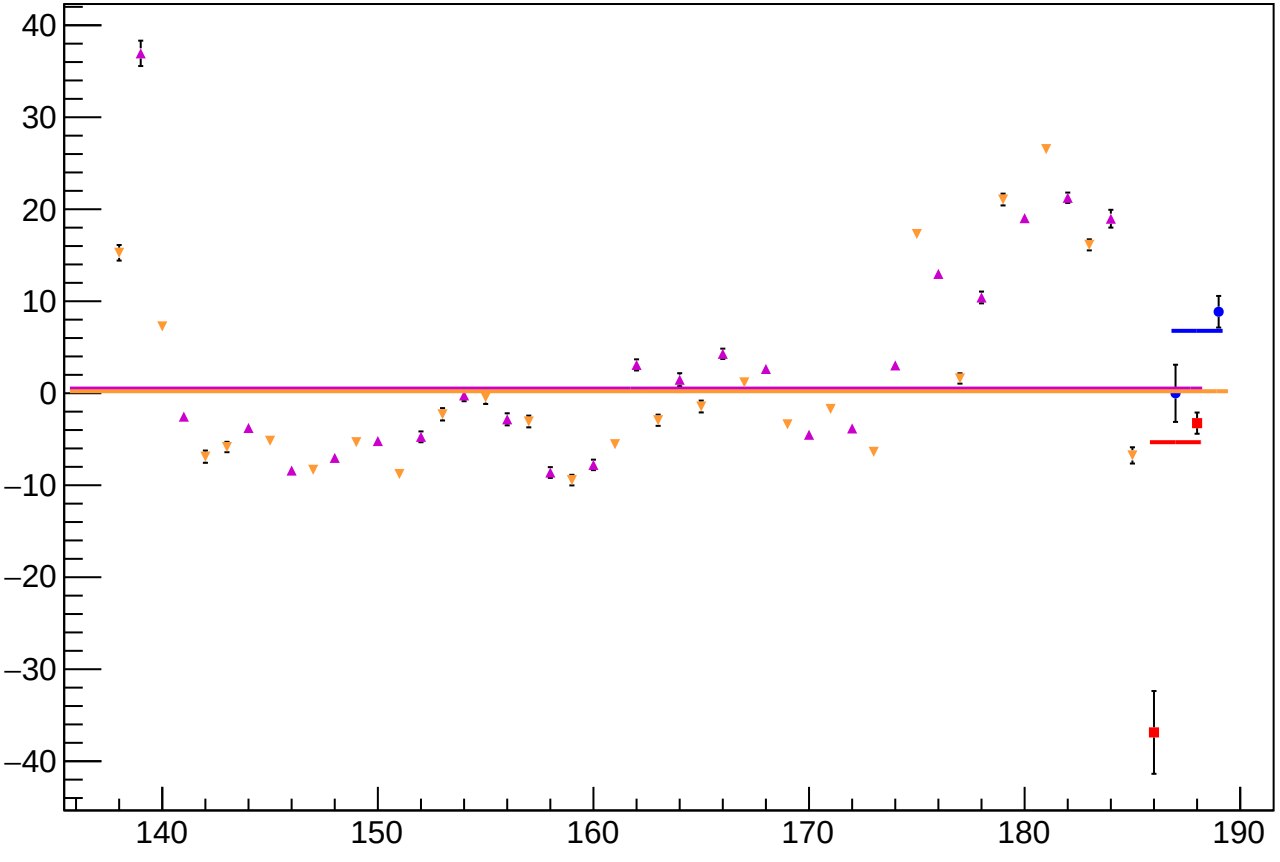
Right: 8.020+/-0.656 $\chi^2$/NDF: 389.7/3

In: -24.285+/-0.141 $\chi^2$/NDF:15413.6/24

Out: -23.717+/-0.137 $\chi^2$/NDF:20626.2/26

All: -23.994+/-0.098 $\chi^2$/NDF: 36048.1/51

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 6.785+/-1.503 $\chi^2$/NDF: 6.2/1

Left Out: 0.218+/-0.109 $\chi^2$/NDF:8252.6/24

Right Out: -5.321+/-1.116 $\chi^2$/NDF: 52.4/1

Left In: 0.507+/-0.112 $\chi^2$/NDF:6626.9/22

Left: 0.358+/-0.078 $\chi^2$/NDF: 14883.0/47

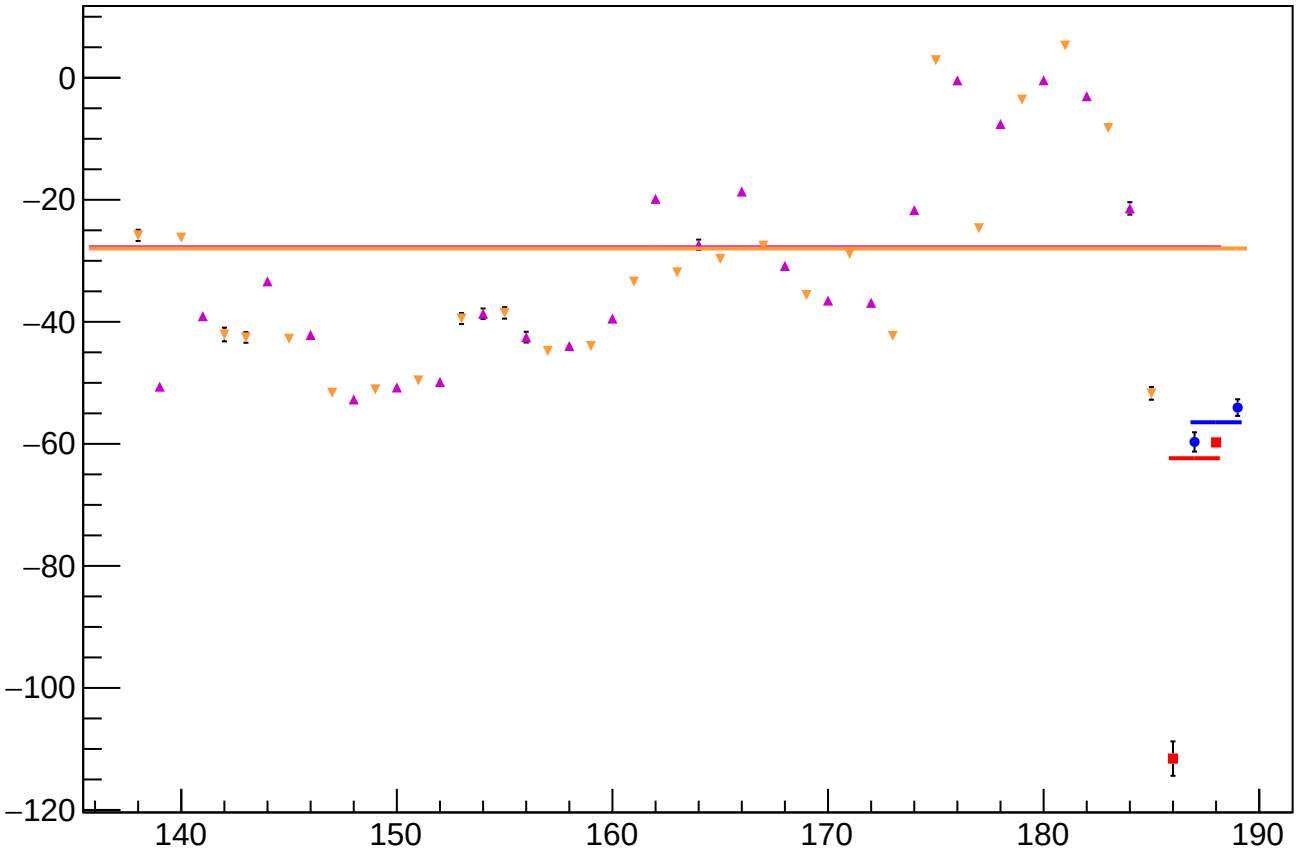
Right: -1.018+/-0.896 $\chi^2$/NDF: 100.4/3

In: 0.541+/-0.111 $\chi^2$/NDF:6650.5/24

Out: 0.165+/-0.108 $\chi^2$/NDF:8329.4/26

All: 0.348+/-0.078 $\chi^2$/NDF: 14985.7/51

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -56.462+/-1.032 $\chi^2$/NDF: 7.3/1

Left Out: -27.977+/-0.140 $\chi^2$/NDF:17079.0/24

Right Out: -62.354+/-0.631 $\chi^2$/NDF: 320.7/1

Left In: -27.796+/-0.142 $\chi^2$/NDF:15193.3/22

Left: -27.888+/-0.100 $\chi^2$/NDF: 32273.2/47

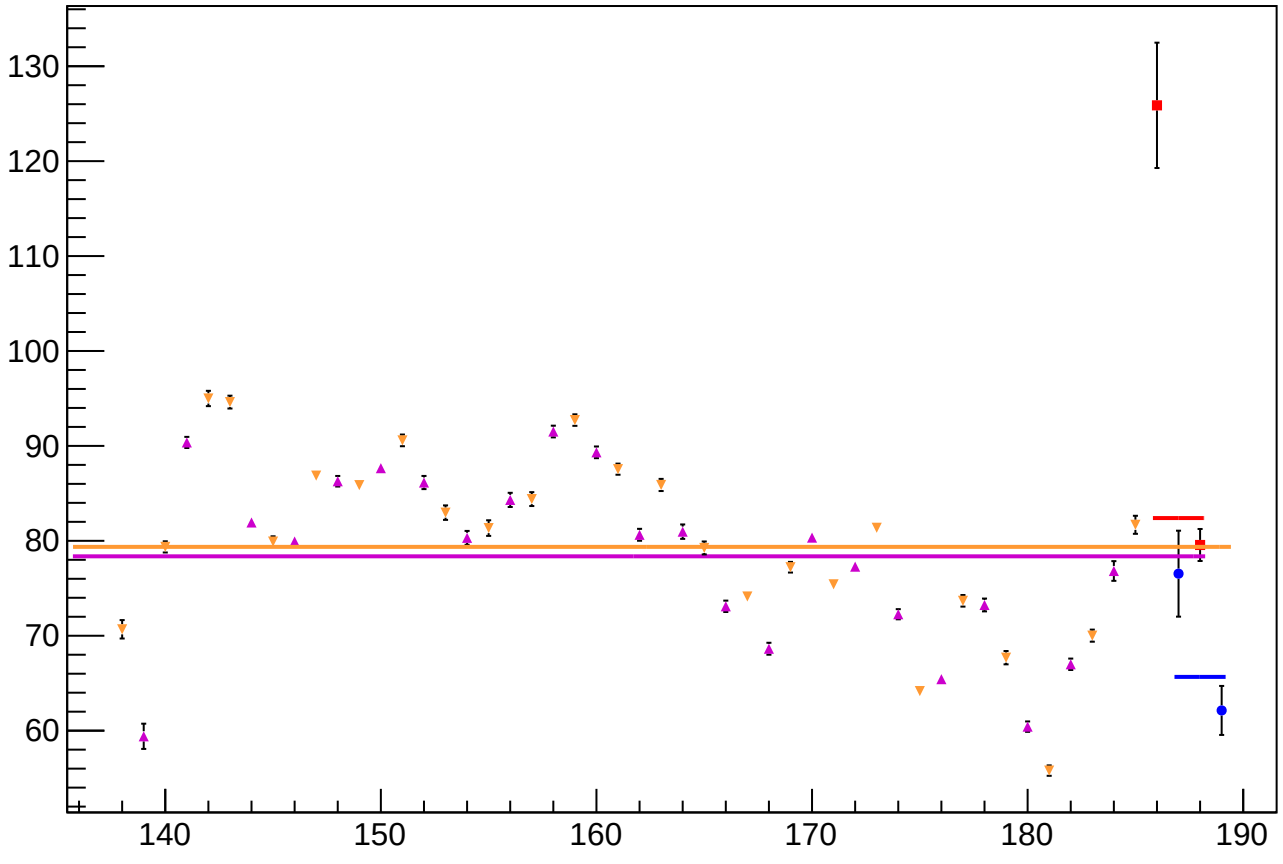
Right: -60.751+/-0.538 $\chi^2$/NDF: 351.7/3

In: -28.327+/-0.140 $\chi^2$/NDF:15957.2/24

Out: -29.592+/-0.137 $\chi^2$/NDF:20227.6/26

All: -28.976+/-0.098 $\chi^2$/NDF: 36226.5/51

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 65.665+/-2.243 $\chi^2$/NDF: 7.6/1

Left Out: 79.364+/-0.123 $\chi^2$/NDF:5966.3/24

Right Out: 82.397+/-1.634 $\chi^2$/NDF: 46.2/1

Left In: 78.367+/-0.126 $\chi^2$/NDF:4735.5/22

Left: 78.877+/-0.088 $\chi^2$/NDF: 10733.6/47

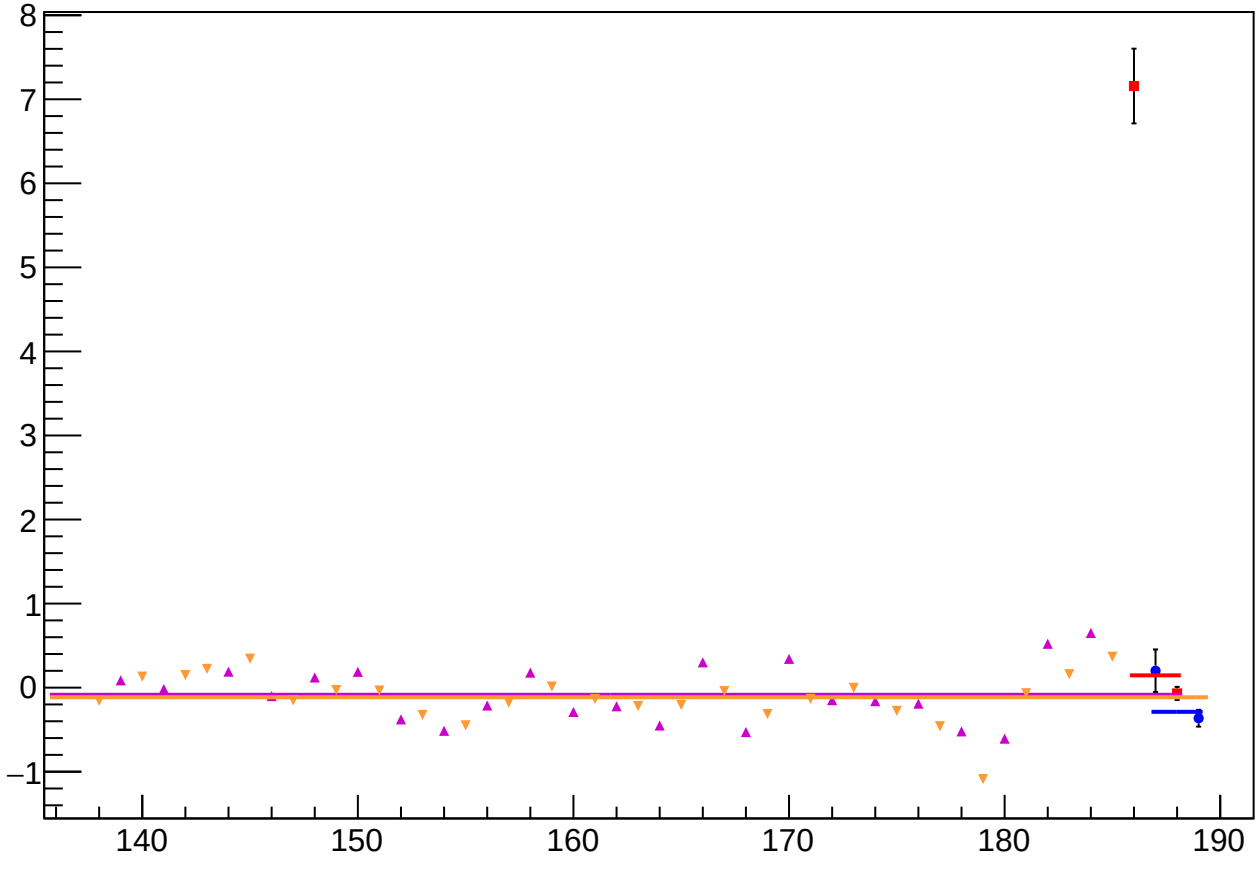
Right: 76.596+/-1.321 $\chi^2$/NDF: 90.2/3

In: 78.327+/-0.126 $\chi^2$/NDF:4775.1/24

Out: 79.381+/-0.123 $\chi^2$/NDF:6015.9/26

All: 78.867+/-0.088 $\chi^2$/NDF: 10826.8/51

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.288+/-0.093 $\chi^2$/NDF: 4.3/1

Left Out: -0.115+/-0.006 $\chi^2$/NDF:2288.7/24

Right Out: 0.146+/-0.077 $\chi^2$/NDF: 256.4/1

Left In: -0.085+/-0.006 $\chi^2$/NDF:3148.4/22

Left: -0.100+/-0.004 $\chi^2$/NDF: 5450.5/47

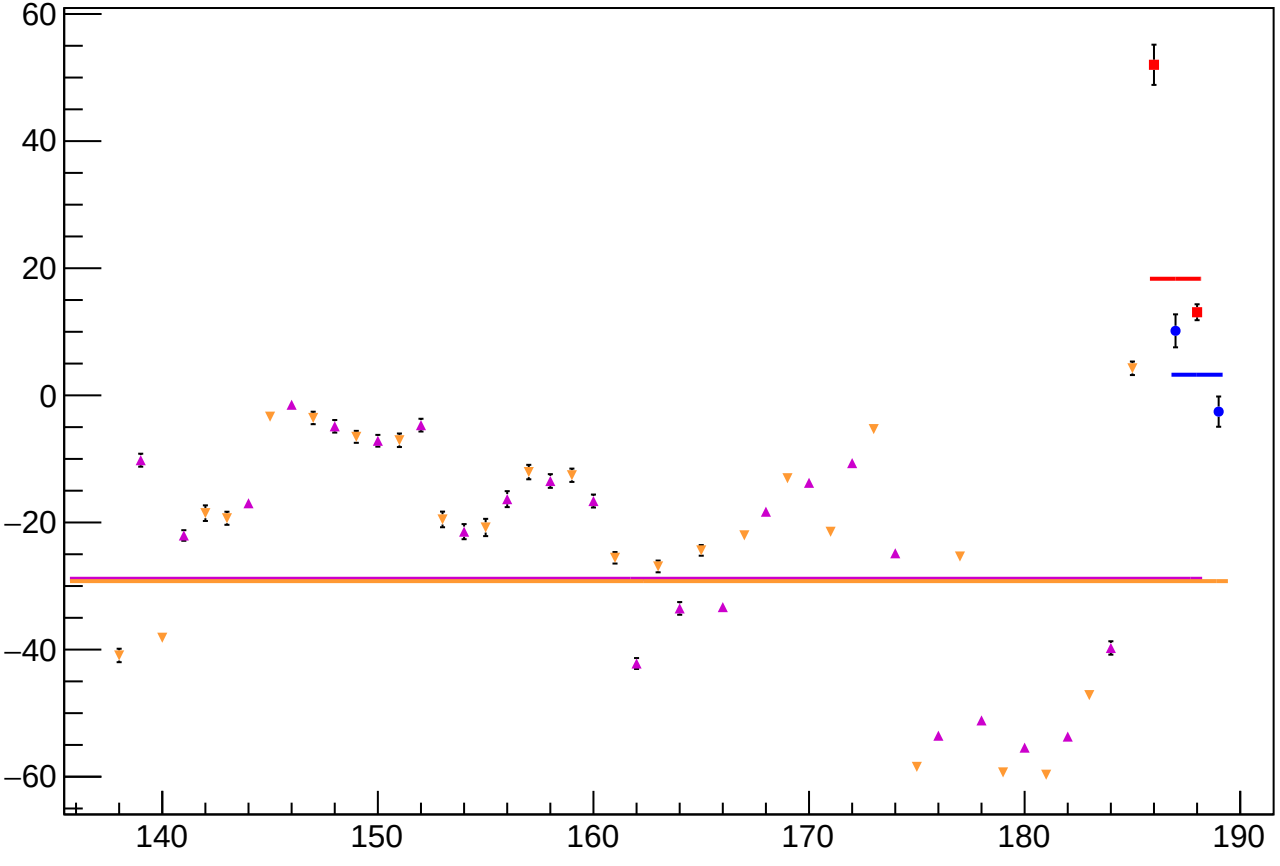
Right: -0.030+/-0.059 $\chi^2$/NDF: 273.7/3

In: -0.086+/-0.006 $\chi^2$/NDF:3157.5/24

Out: -0.113+/-0.006 $\chi^2$/NDF:2556.7/26

All: -0.100+/-0.004 $\chi^2$/NDF: 5725.7/51

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 3.246+/-1.755 $\chi^2$/NDF: 13.0/1

Left Out: -29.227+/-0.157 $\chi^2$/NDF:16880.0/24

Right Out: 18.346+/-1.164 $\chi^2$/NDF: 130.8/1

Left In: -28.857+/-0.159 $\chi^2$/NDF:13553.6/22

Left: -29.044+/-0.112 $\chi^2$/NDF: 30436.3/47

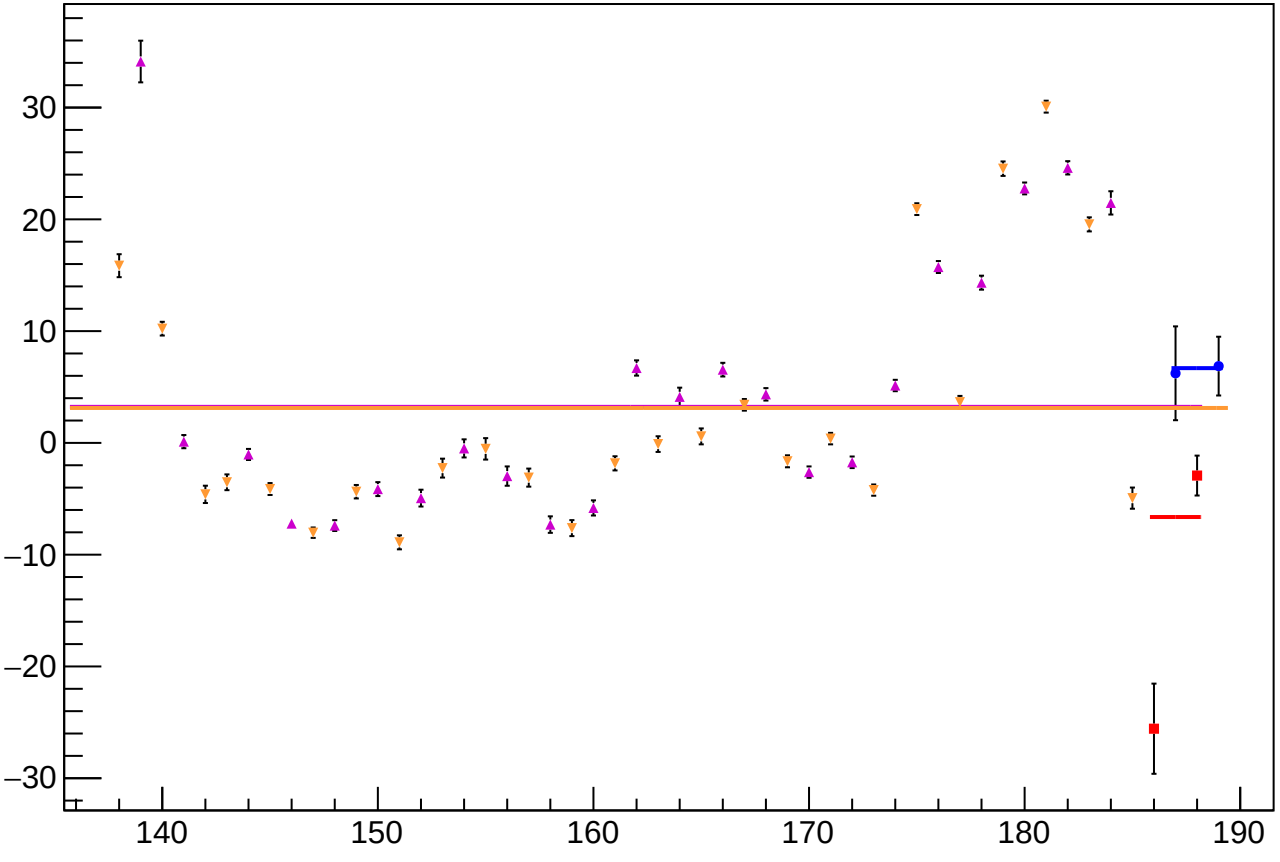
Right: 13.729+/-0.970 $\chi^2$/NDF: 195.2/3

In: -28.595+/-0.158 $\chi^2$/NDF:13898.7/24

Out: -28.378+/-0.156 $\chi^2$/NDF:18650.2/26

All: -28.484+/-0.111 $\chi^2$/NDF: 32549.9/51

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 6.689+/-2.228 $\chi^2$/NDF: 0.0/1

Left Out: 3.126+/-0.125 $\chi^2$/NDF:8049.0/24

Right Out: -6.632+/-1.632 $\chi^2$/NDF: 26.4/1

Left In: 3.224+/-0.127 $\chi^2$/NDF:6274.0/22

Left: 3.174+/-0.089 $\chi^2$/NDF: 14323.3/47

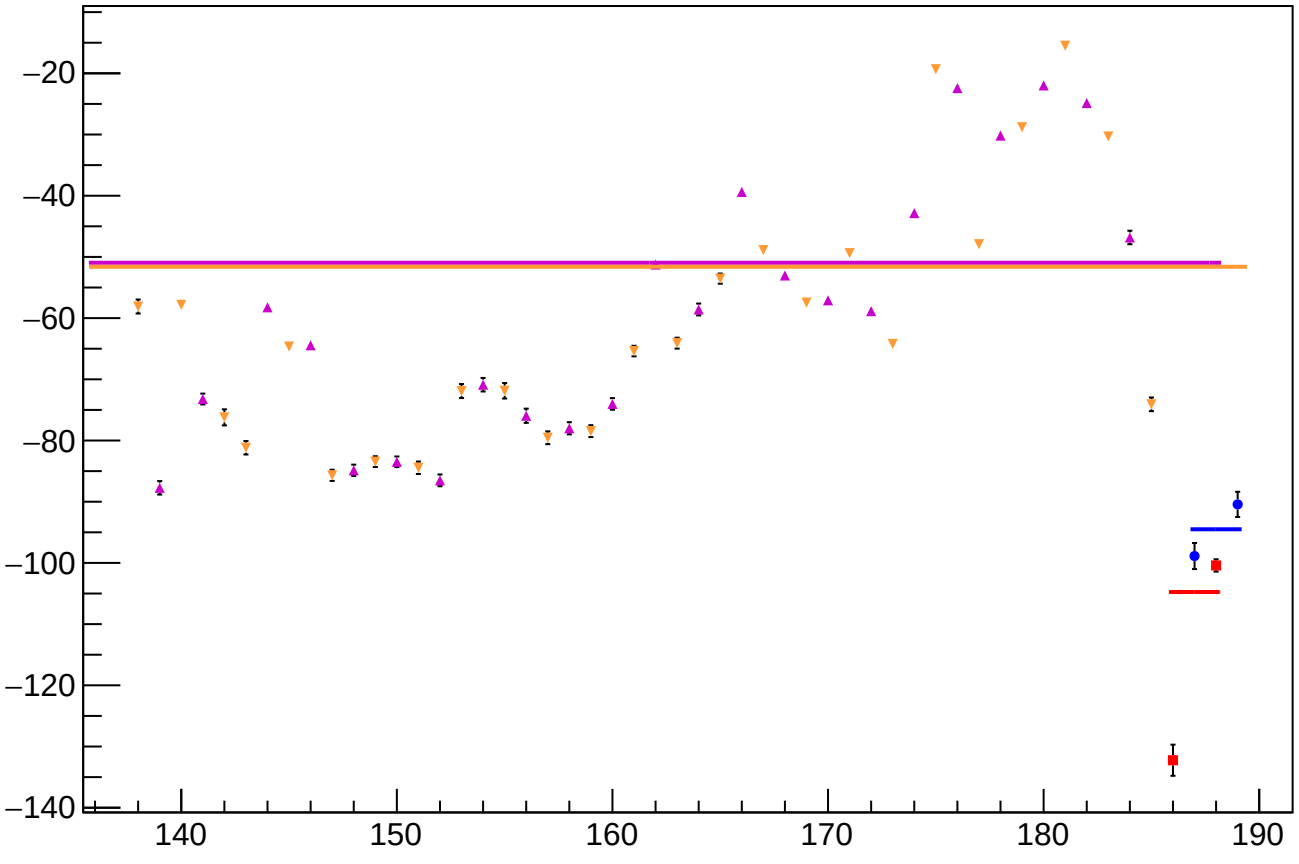
Right: -1.979+/-1.317 $\chi^2$/NDF: 49.6/3

In: 3.235+/-0.126 $\chi^2$/NDF:6276.4/24

Out: 3.069+/-0.124 $\chi^2$/NDF:8110.9/26

All: 3.151+/-0.089 $\chi^2$/NDF: 14388.2/51

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -94.503+/-1.482 $\chi^2$/NDF: 8.1/1

Left Out: -51.610+/-0.158 $\chi^2$/NDF:19384.9/24

Right Out: -104.751+/-0.939 $\chi^2$/NDF: 135.3/1

Left In: -50.954+/-0.159 $\chi^2$/NDF:17472.2/22

Left: -51.285+/-0.112 $\chi^2$/NDF: 36865.6/47

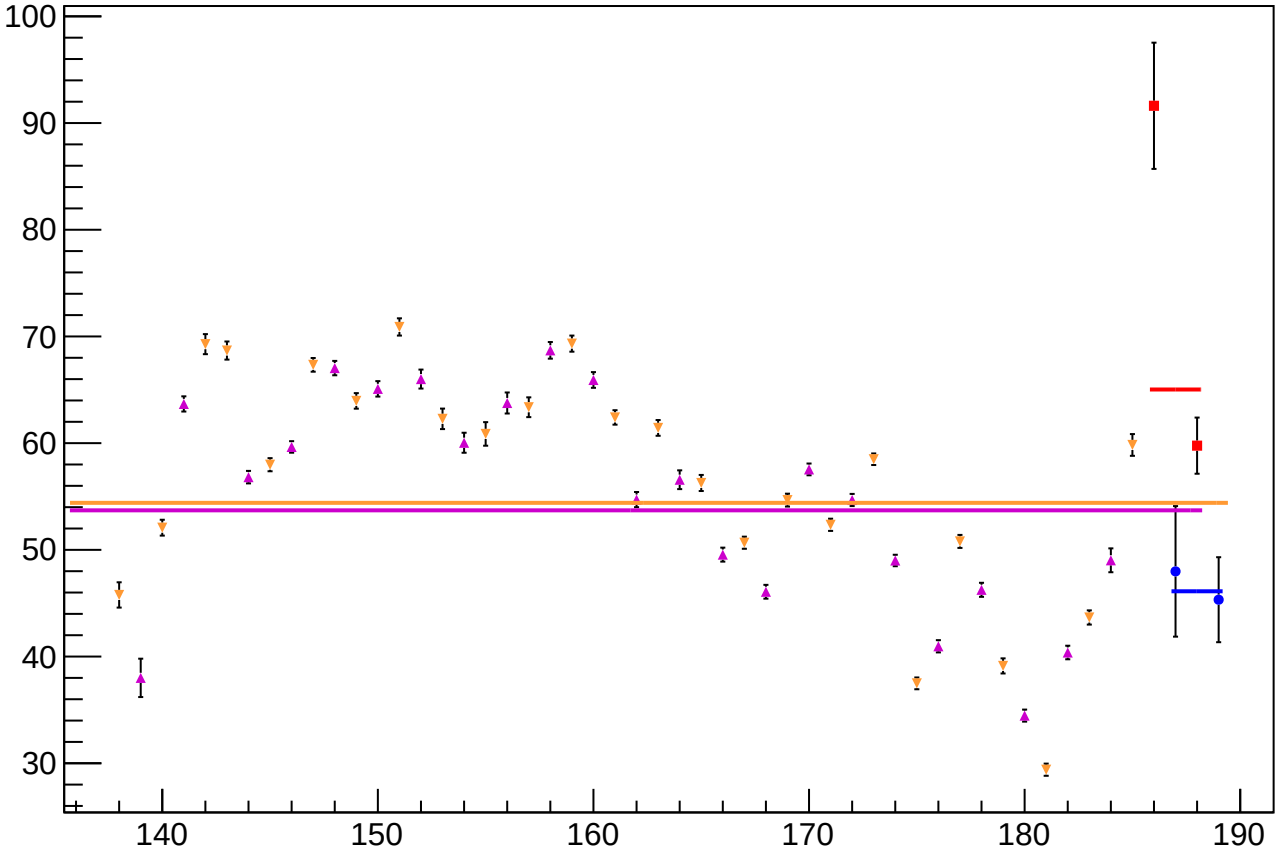
Right: -101.813+/-0.793 $\chi^2$/NDF: 177.5/3

In: -51.453+/-0.159 $\chi^2$/NDF:18334.4/24

Out: -53.074+/-0.156 $\chi^2$/NDF:22632.7/26

All: -52.277+/-0.111 $\chi^2$/NDF: 41020.3/51

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 46.118+/-3.338 $\chi^2$/NDF: 0.1/1

Left Out: 54.407+/-0.141 $\chi^2$/NDF:6200.4/24

Right Out: 65.028+/-2.404 $\chi^2$/NDF: 24.2/1

Left In: 53.704+/-0.143 $\chi^2$/NDF:4603.5/22

Left: 54.060+/-0.100 $\chi^2$/NDF: 10816.3/47

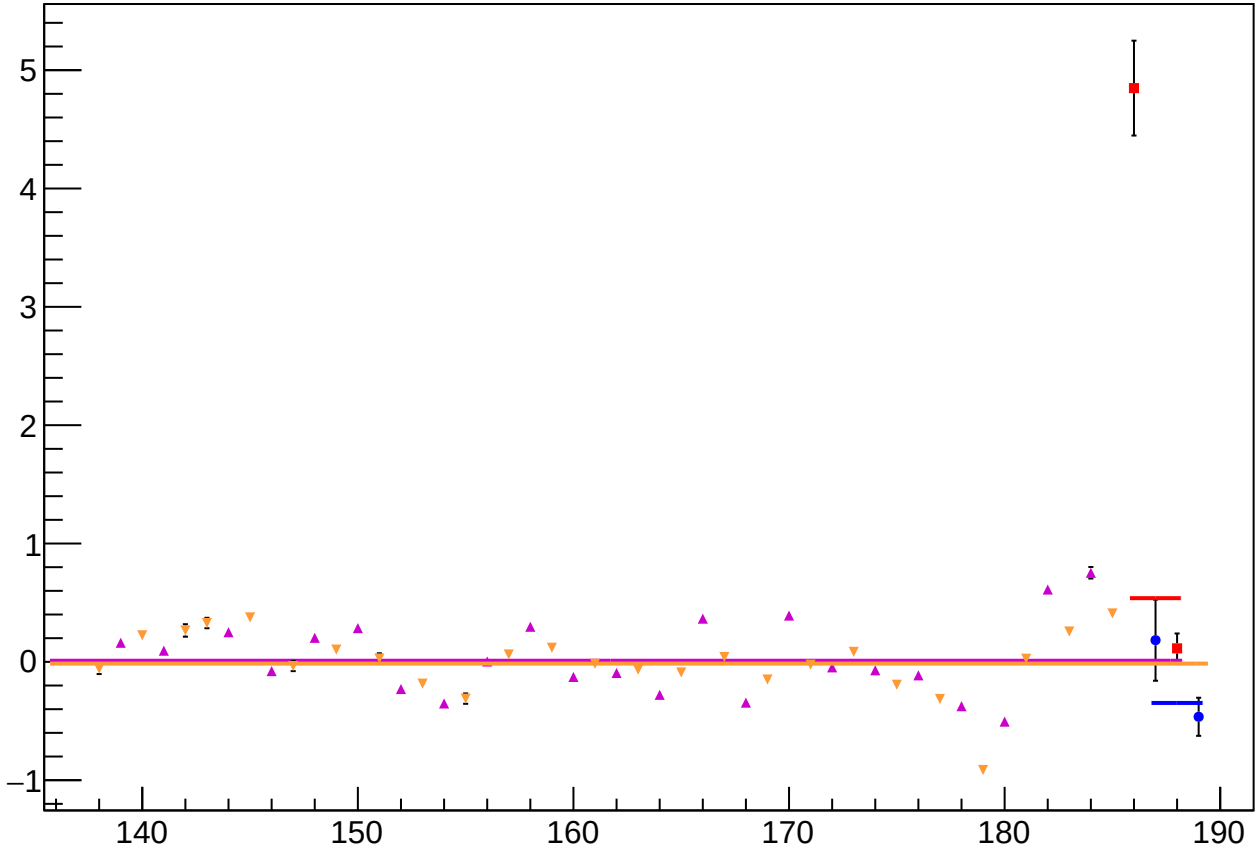
Right: 58.567+/-1.951 $\chi^2$/NDF: 45.5/3

In: 53.690+/-0.142 $\chi^2$/NDF:4608.8/24

Out: 54.443+/-0.140 $\chi^2$/NDF:6244.1/26

All: 54.072+/-0.100 $\chi^2$/NDF: 10867.1/51

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.347+/-0.146 $\chi^2$/NDF: 2.9/1

Left Out: -0.015+/-0.006 $\chi^2$/NDF:1645.9/24

Right Out: 0.538+/-0.120 $\chi^2$/NDF: 127.0/1

Left In: 0.009+/-0.007 $\chi^2$/NDF:2228.9/22

Left: -0.003+/-0.005 $\chi^2$/NDF: 3881.7/47

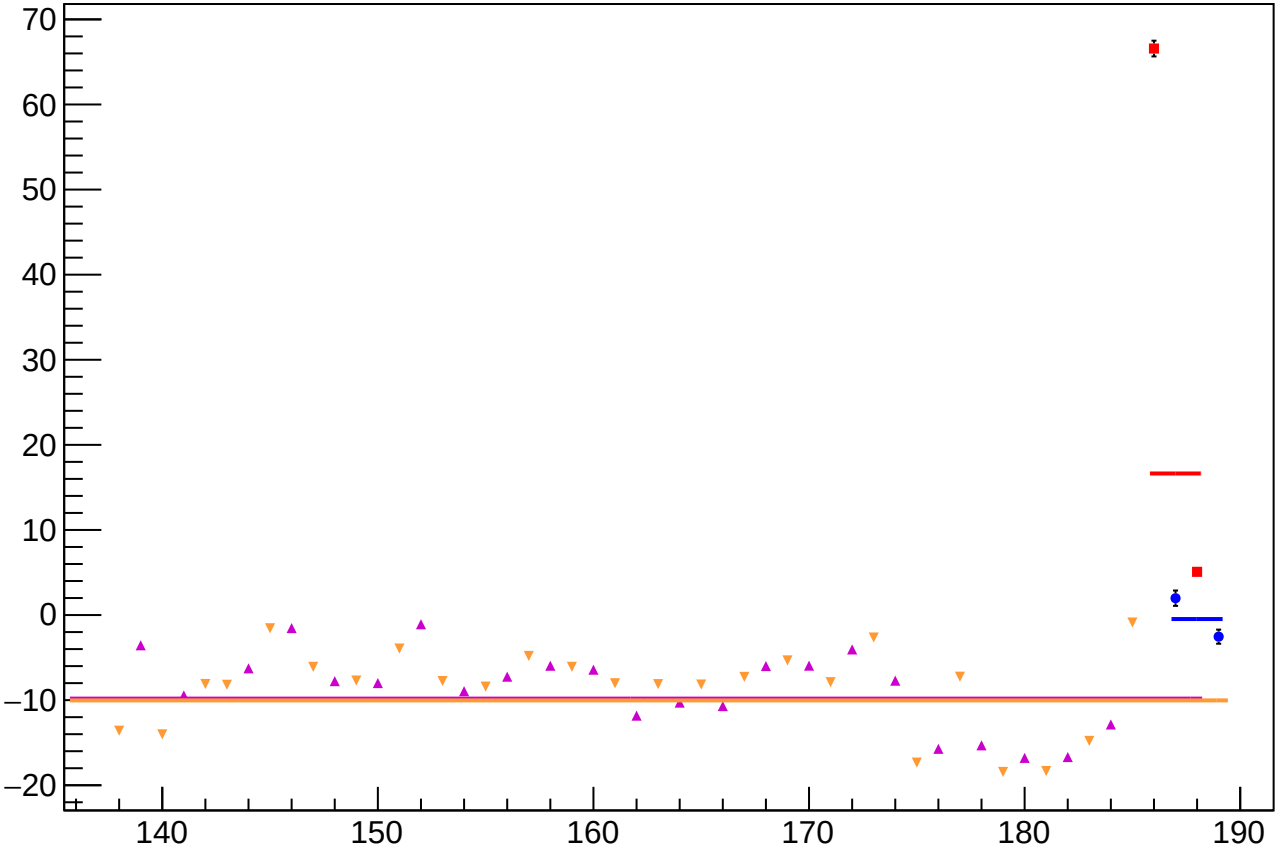
Right: 0.181+/-0.093 $\chi^2$/NDF: 151.9/3

In: 0.009+/-0.007 $\chi^2$/NDF:2237.8/24

Out: -0.013+/-0.006 $\chi^2$/NDF:1794.0/26

All: -0.002+/-0.005 $\chi^2$/NDF: 4037.5/51

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -0.469+/-0.610 $\chi^2$/NDF: 13.6/1

Left Out: -10.030+/-0.051 $\chi^2$/NDF:12530.2/24

Right Out: 16.637+/-0.402 $\chi^2$/NDF: 3579.0/1

Left In: -9.820+/-0.051 $\chi^2$/NDF:9468.8/22

Left: -9.926+/-0.036 $\chi^2$/NDF: 22007.5/47

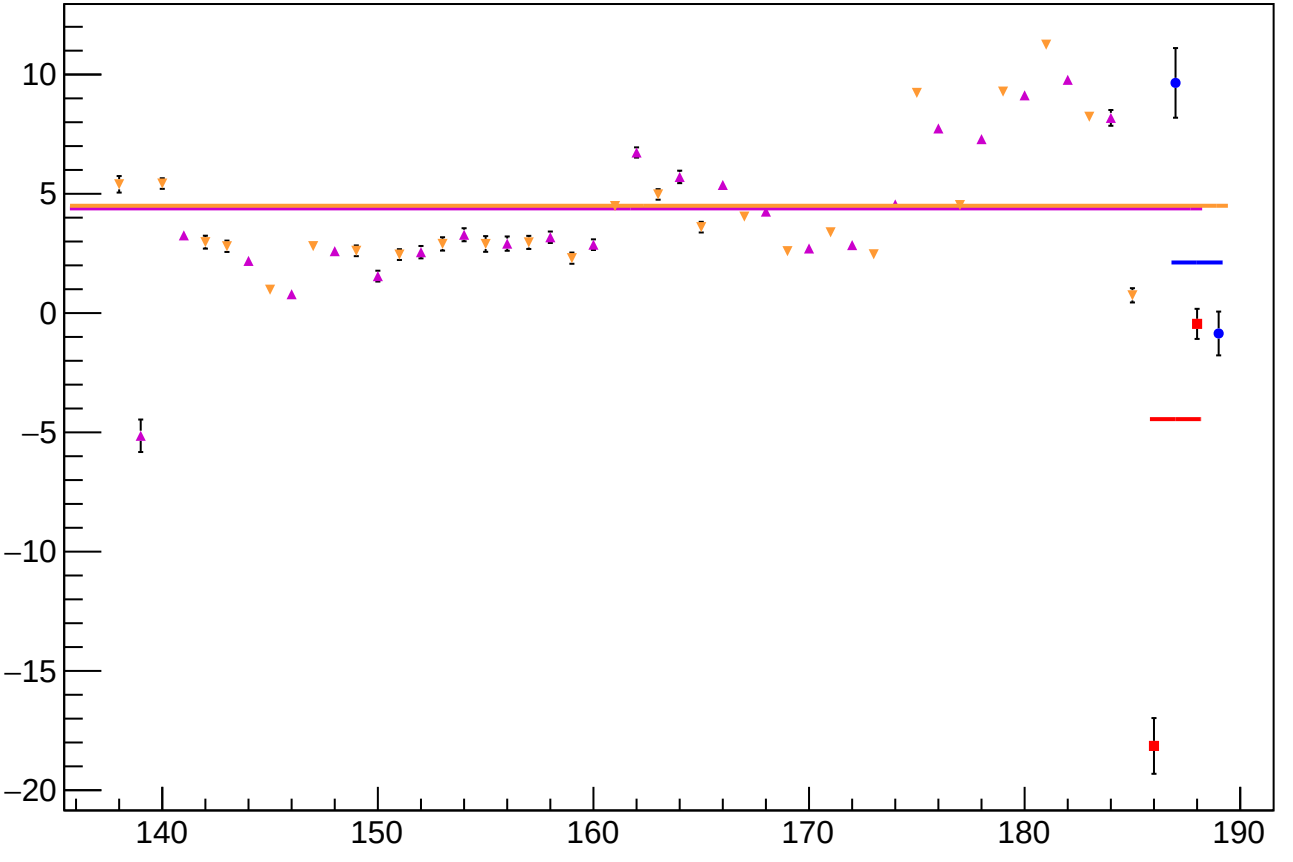
Right: 11.469+/-0.335 $\chi^2$/NDF: 4140.8/3

In: -9.755+/-0.051 $\chi^2$/NDF:9715.5/24

Out: -9.611+/-0.050 $\chi^2$/NDF:20449.7/26

All: -9.682+/-0.036 $\chi^2$/NDF: 30169.2/51

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 2.121+/-0.777 $\chi^2$/NDF: 37.1/1

Left Out: 4.499+/-0.041 $\chi^2$/NDF:4809.3/24

Right Out: -4.445+/-0.555 $\chi^2$/NDF: 177.5/1

Left In: 4.388+/-0.041 $\chi^2$/NDF:4266.4/22

Left: 4.444+/-0.029 $\chi^2$/NDF: 9079.4/47

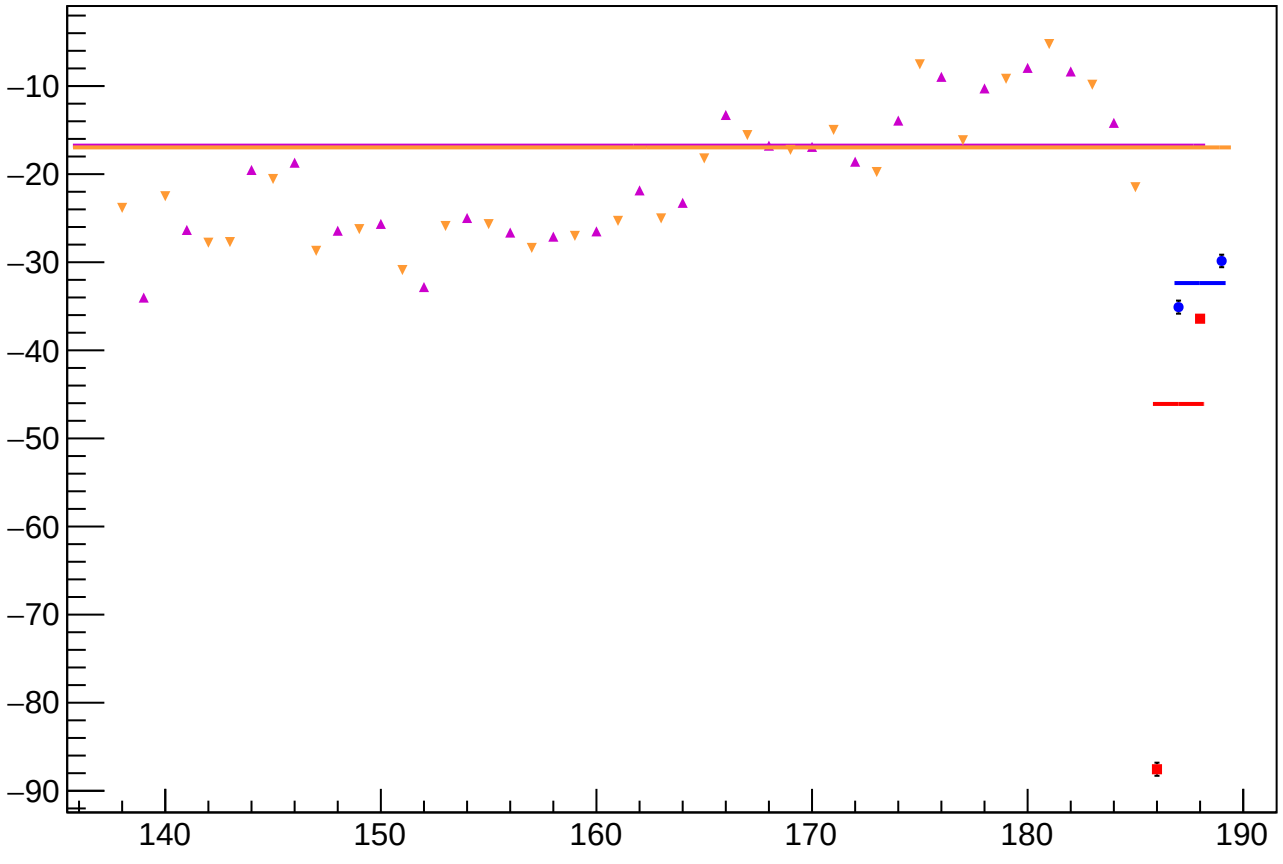
Right: -2.227+/-0.452 $\chi^2$/NDF: 261.9/3

In: 4.382+/-0.041 $\chi^2$/NDF:4312.0/24

Out: 4.451+/-0.041 $\chi^2$/NDF:5245.1/26

All: 4.416+/-0.029 $\chi^2$/NDF: 9558.6/51

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -32.364+/-0.513 $\chi^2$/NDF: 26.1/1

Left Out: -16.965+/-0.051 $\chi^2$/NDF:21902.1/24

Right Out: -46.086+/-0.324 $\chi^2$/NDF: 3829.1/1

Left In: -16.764+/-0.051 $\chi^2$/NDF:19037.7/22

Left: -16.865+/-0.036 $\chi^2$/NDF: 40947.4/47

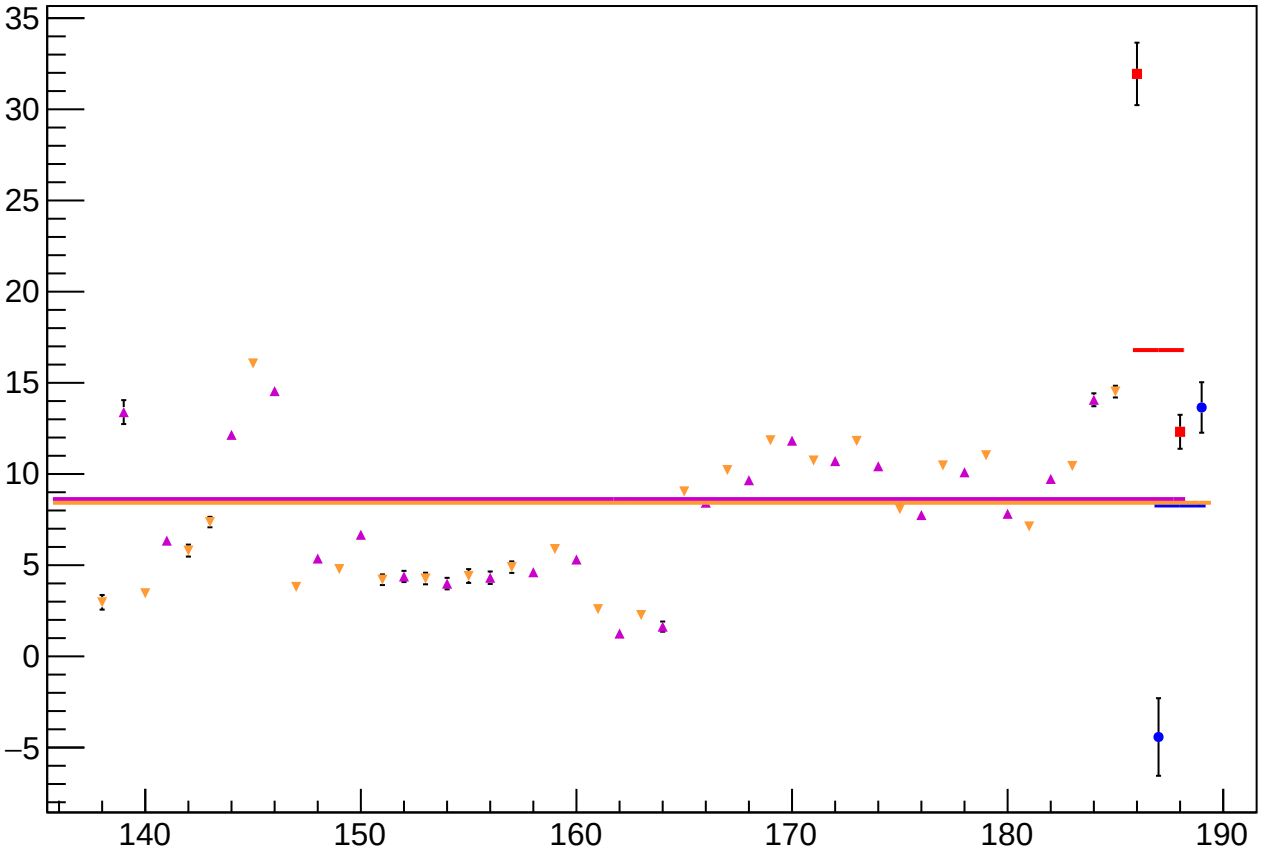
Right: -42.178+/-0.274 $\chi^2$/NDF: 4366.9/3

In: -16.919+/-0.051 $\chi^2$/NDF:19979.3/24

Out: -17.674+/-0.050 $\chi^2$/NDF:33626.8/26

All: -17.301+/-0.036 $\chi^2$/NDF: 53716.7/51

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 8.275+/-1.161 $\chi^2$/NDF: 50.7/1

Left Out: 8.424+/-0.046 $\chi^2$/NDF:6478.6/24

Right Out: 16.797+/-0.818 $\chi^2$/NDF: 101.4/1

Left In: 8.626+/-0.046 $\chi^2$/NDF:5531.9/22

Left: 8.524+/-0.032 $\chi^2$/NDF: 12020.2/47

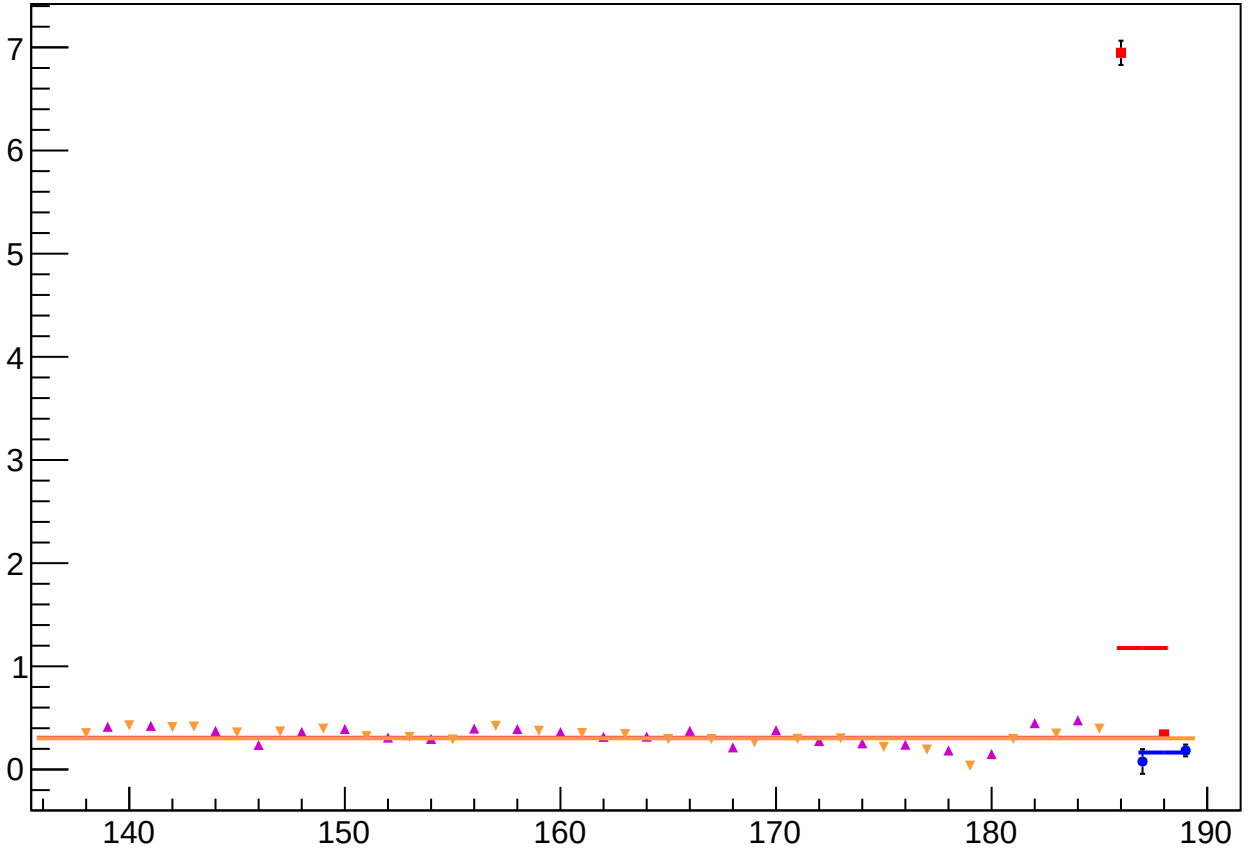
Right: 13.967+/-0.669 $\chi^2$/NDF: 188.0/3

In: 8.625+/-0.046 $\chi^2$/NDF:5582.6/24

Out: 8.450+/-0.046 $\chi^2$/NDF:6684.3/26

All: 8.537+/-0.032 $\chi^2$/NDF: 12274.3/51

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.164+/-0.052 $\chi^2$/NDF: 0.7/1

Left Out: 0.302+/-0.002 $\chi^2$/NDF:1589.8/24

Right Out: 1.177+/-0.042 $\chi^2$/NDF: 2754.9/1

Left In: 0.307+/-0.002 $\chi^2$/NDF:1716.8/22

Left: 0.305+/-0.001 $\chi^2$/NDF: 3309.3/47

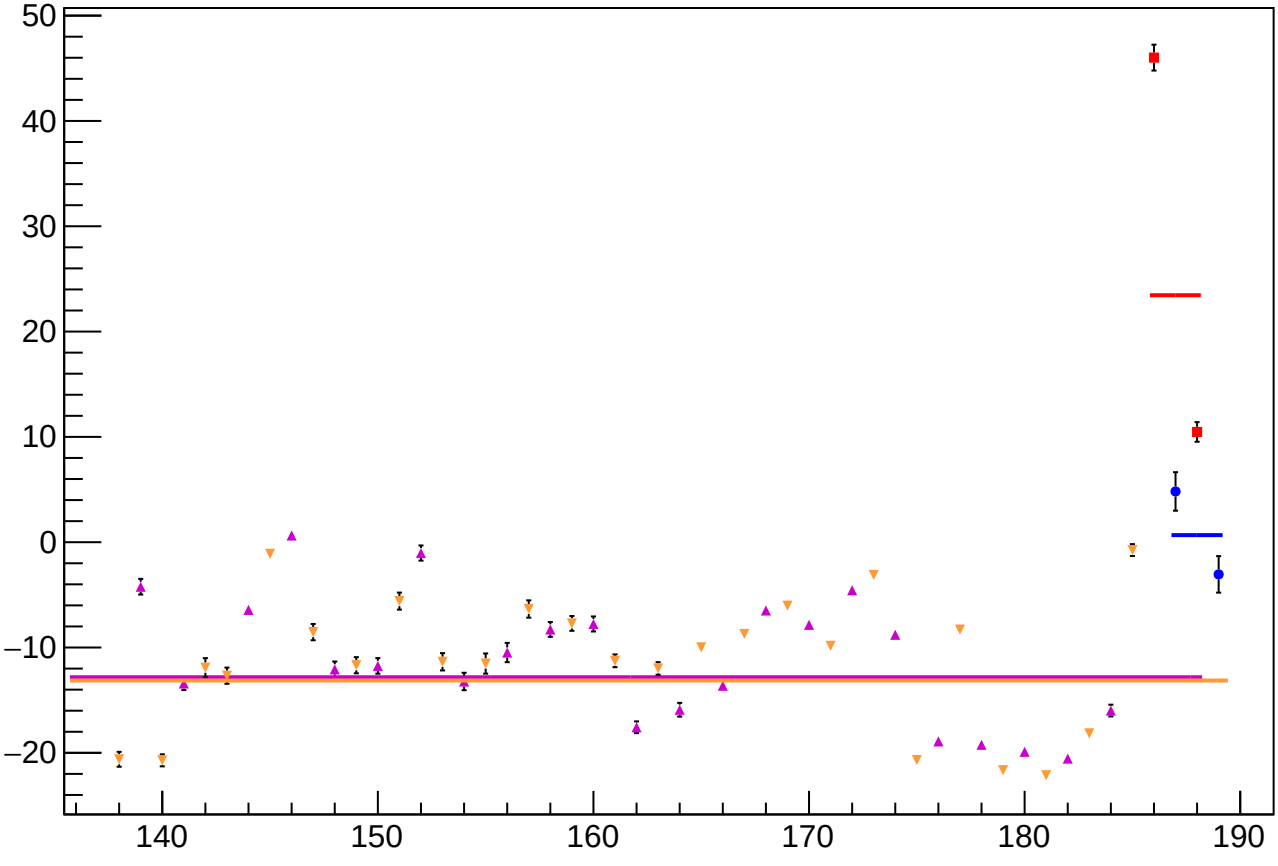
Right: 0.775+/-0.033 $\chi^2$/NDF: 2987.7/3

In: 0.307+/-0.002 $\chi^2$/NDF:1725.1/24

Out: 0.304+/-0.002 $\chi^2$/NDF:4780.1/26

All: 0.306+/-0.001 $\chi^2$/NDF: 6505.9/51

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 0.673+/-1.258 $\chi^2$/NDF: 9.8/1

Left Out: -13.133+/-0.094 $\chi^2$/NDF:5974.5/24

Right Out: 23.451+/-0.743 $\chi^2$/NDF: 531.0/1

Left In: -12.823+/-0.095 $\chi^2$/NDF:4841.5/22

Left: -12.979+/-0.067 $\chi^2$/NDF: 10821.3/47

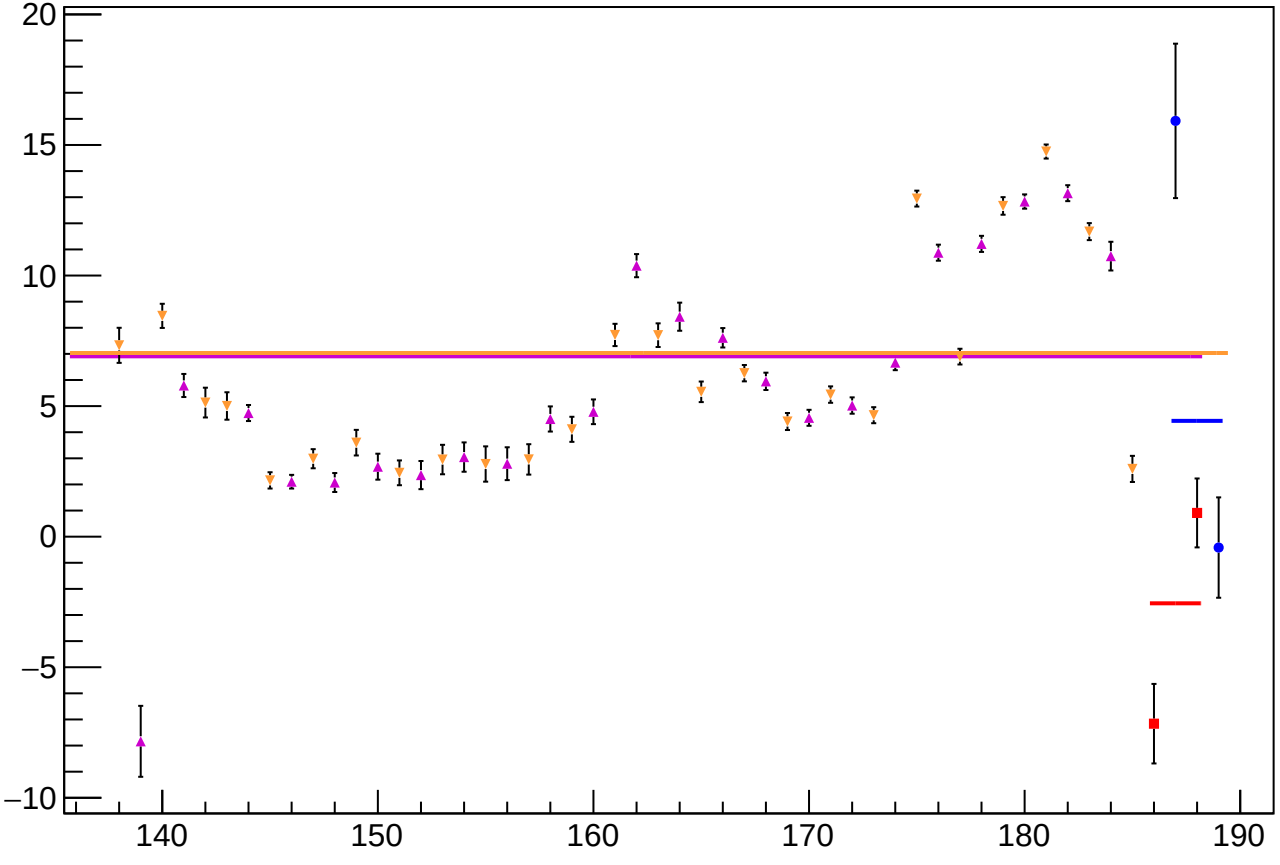
Right: 17.566+/-0.640 $\chi^2$/NDF: 783.8/3

In: -12.747+/-0.094 $\chi^2$/NDF:4965.6/24

Out: -12.559+/-0.093 $\chi^2$/NDF:8893.8/26

All: -12.651+/-0.066 $\chi^2$/NDF: 13861.5/51

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 4.435+/-1.611 $\chi^2$/NDF: 21.5/1

Left Out: 7.034+/-0.077 $\chi^2$/NDF:2657.5/24

Right Out: -2.552+/-0.997 $\chi^2$/NDF: 16.0/1

Left In: 6.906+/-0.077 $\chi^2$/NDF:2442.8/22

Left: 6.970+/-0.055 $\chi^2$/NDF: 5101.7/47

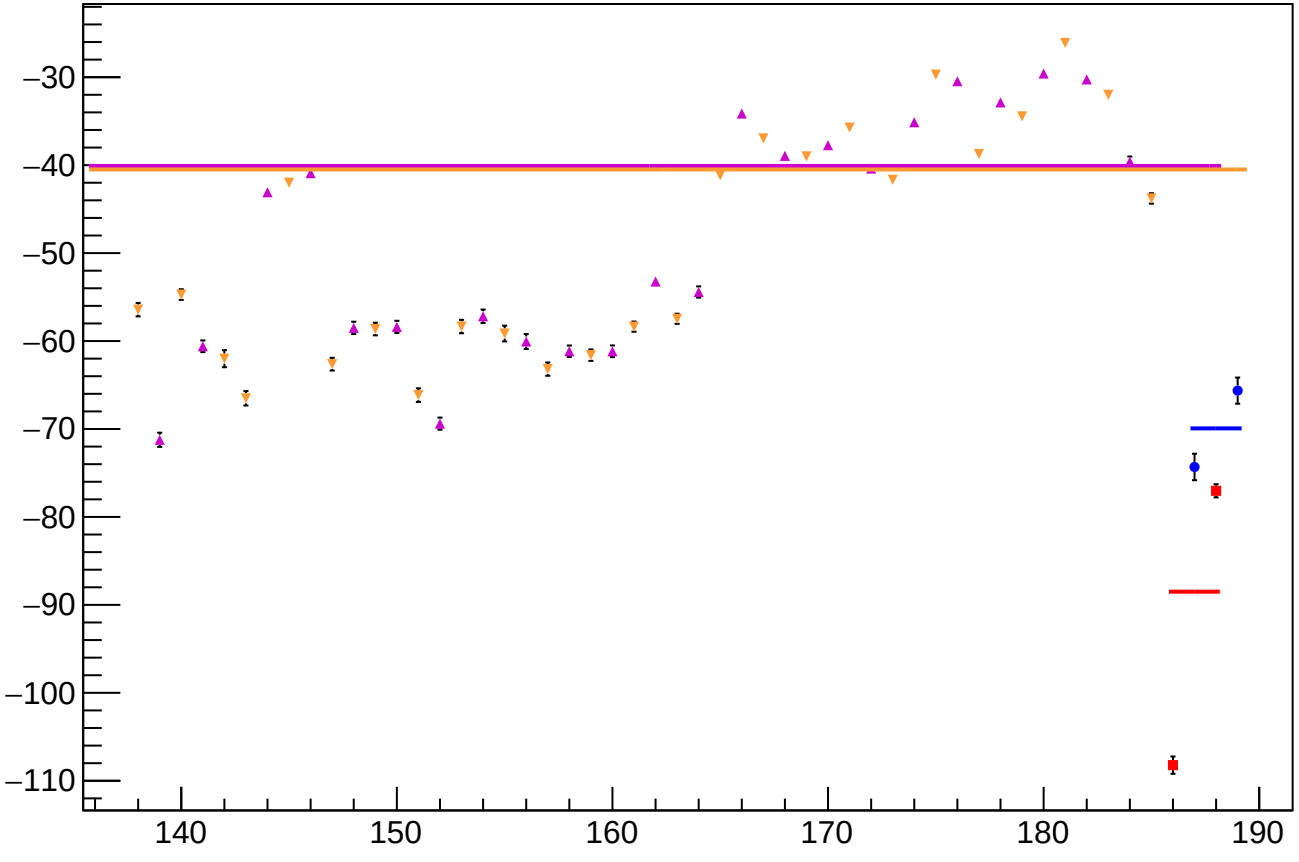
Right: -0.617+/-0.848 $\chi^2$/NDF: 51.1/3

In: 6.901+/-0.077 $\chi^2$/NDF:2466.7/24

Out: 6.977+/-0.077 $\chi^2$/NDF:2765.4/26

All: 6.939+/-0.055 $\chi^2$/NDF: 5232.5/51

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -69.931+/-1.057 $\chi^2$/NDF: 16.9/1

Left Out: -40.492+/-0.095 $\chi^2$/NDF:15435.0/24

Right Out: -88.497+/-0.598 $\chi^2$/NDF: 633.2/1

Left In: -40.091+/-0.095 $\chi^2$/NDF:14103.5/22

Left: -40.292+/-0.067 $\chi^2$/NDF: 29547.4/47

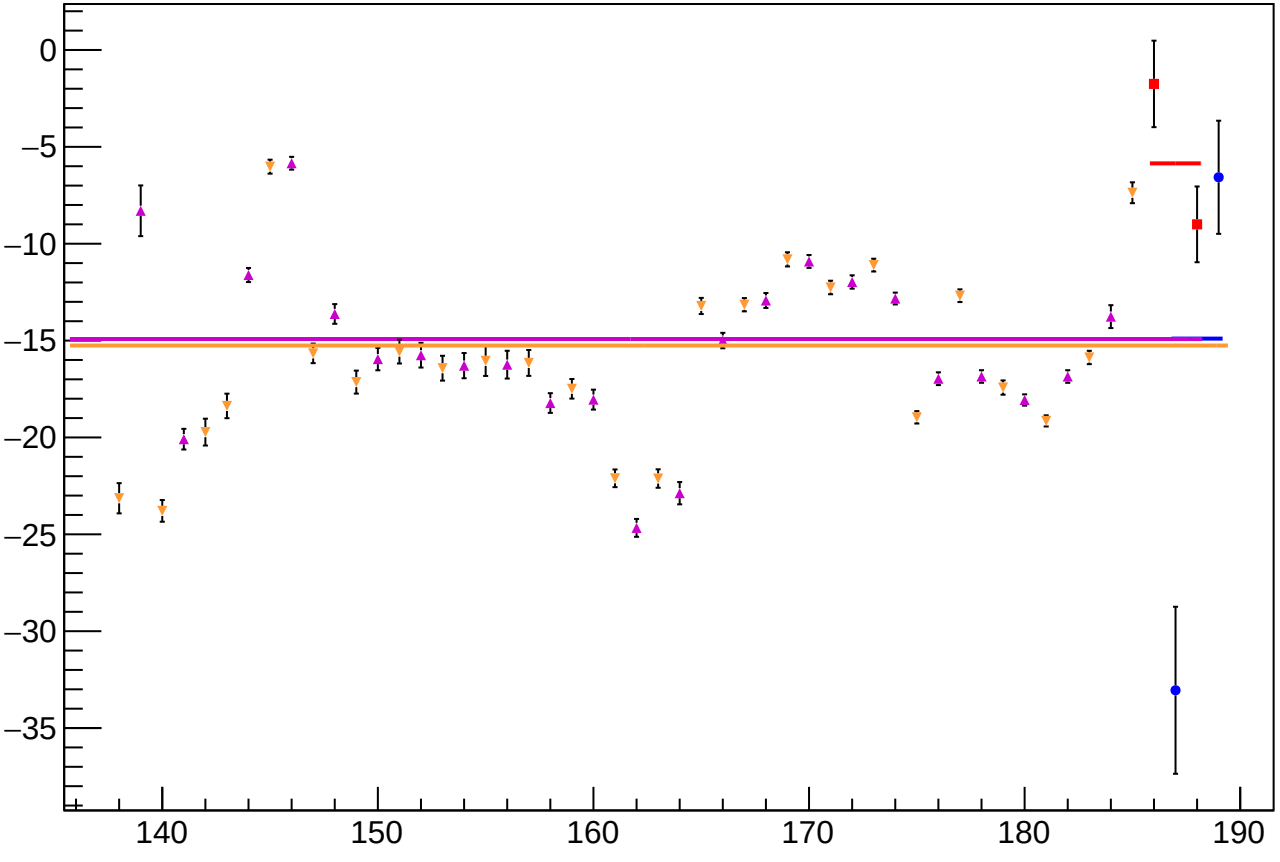
Right: -83.999+/-0.520 $\chi^2$/NDF: 883.8/3

In: -40.331+/-0.095 $\chi^2$/NDF:14911.0/24

Out: -41.671+/-0.094 $\chi^2$/NDF:22361.8/26

All: -41.010+/-0.067 $\chi^2$/NDF: 37373.8/51

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -14.898+/-2.418 $\chi^2$/NDF: 25.9/1

Left Out: -15.254+/-0.086 $\chi^2$/NDF:2594.4/24

Right Out: -5.853+/-1.471 $\chi^2$/NDF: 6.0/1

Left In: -14.919+/-0.087 $\chi^2$/NDF:2207.7/22

Left: -15.088+/-0.061 $\chi^2$/NDF: 4809.7/47

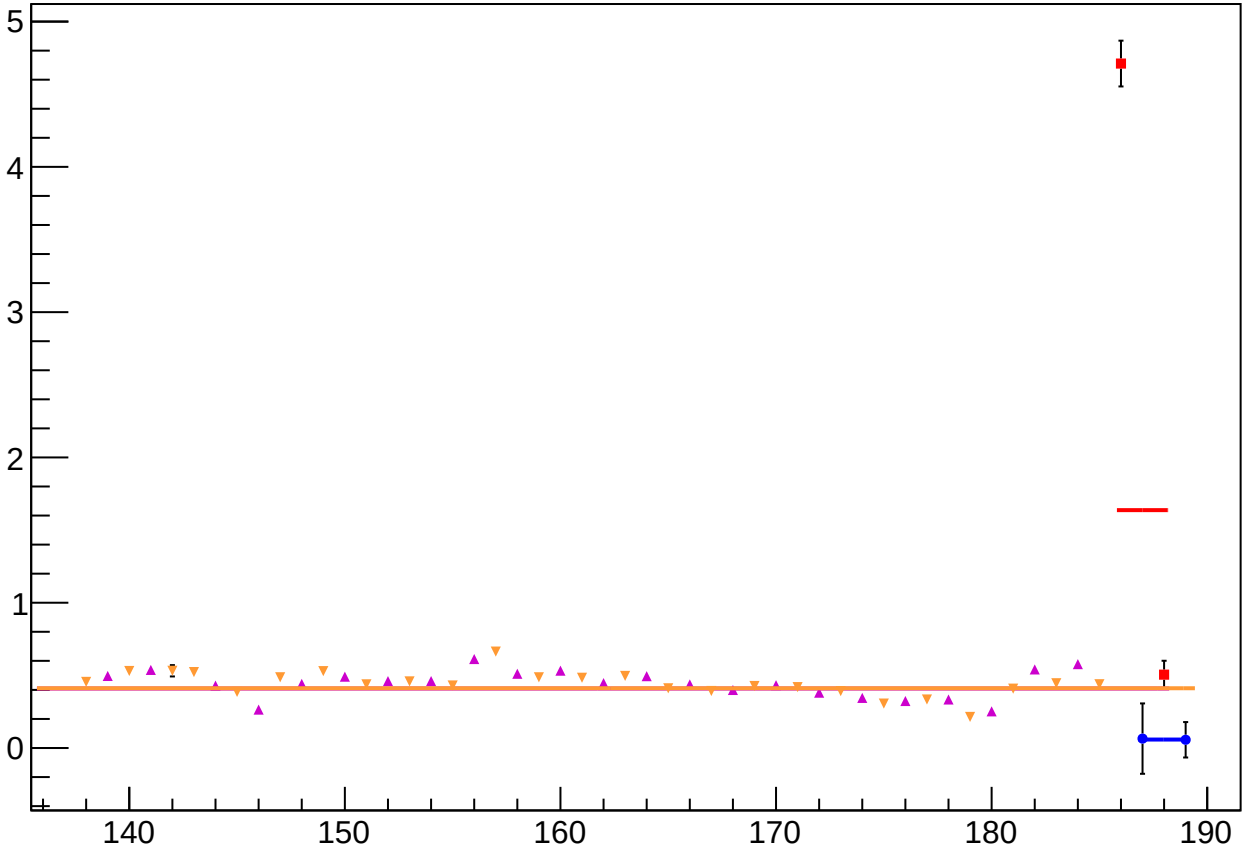
Right: -8.296+/-1.256 $\chi^2$/NDF: 42.0/3

In: -14.919+/-0.086 $\chi^2$/NDF:2233.6/24

Out: -15.222+/-0.086 $\chi^2$/NDF:2641.1/26

All: -15.072+/-0.061 $\chi^2$/NDF: 4880.9/51

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.058+/-0.109 $\chi^2$/NDF: 0.0/1

Left Out: 0.411+/-0.004 $\chi^2$/NDF:428.8/24

Right Out: 1.637+/-0.082 $\chi^2$/NDF: 520.8/1

Left In: 0.409+/-0.004 $\chi^2$/NDF:561.9/22

Left: 0.410+/-0.003 $\chi^2$/NDF: 990.8/47

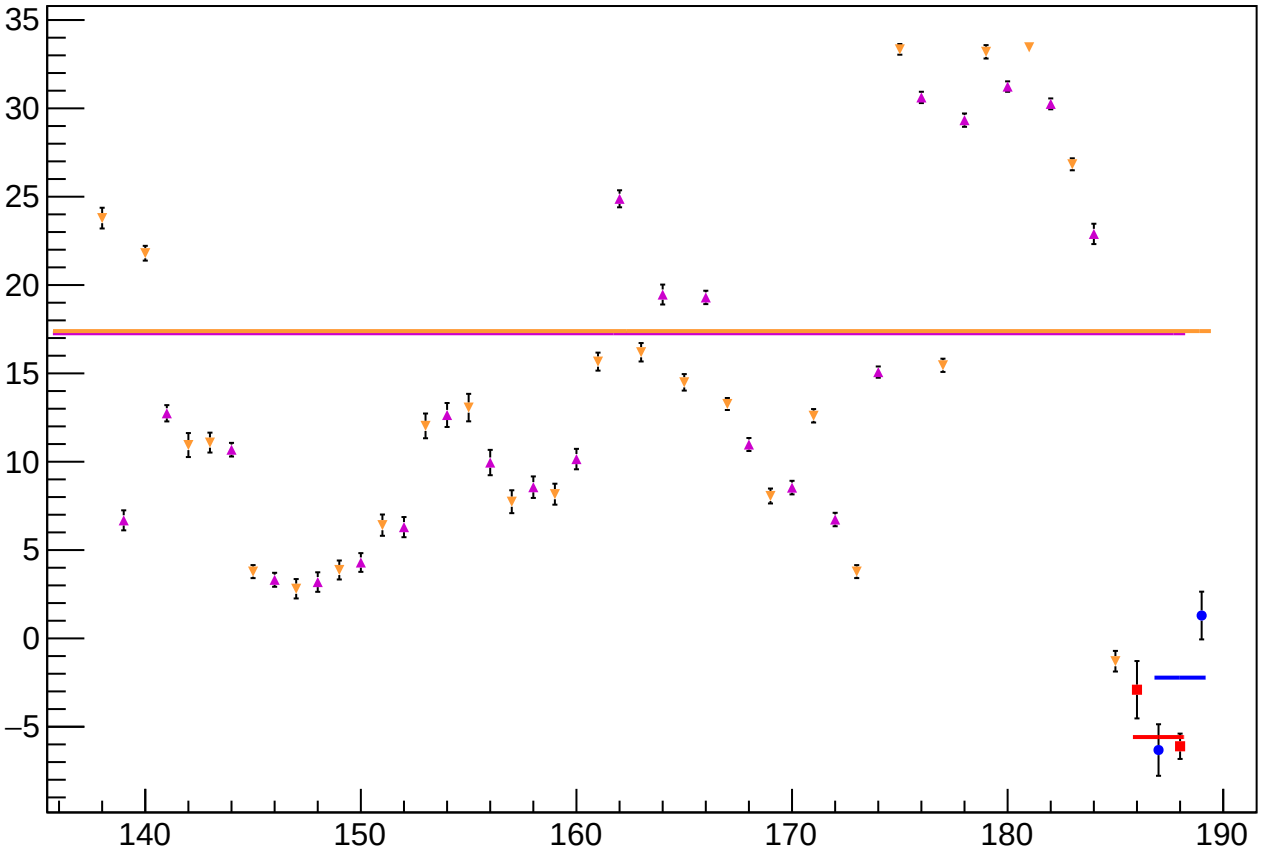
Right: 1.068+/-0.065 $\chi^2$/NDF: 655.2/3

In: 0.409+/-0.004 $\chi^2$/NDF:572.3/24

Out: 0.414+/-0.004 $\chi^2$/NDF:1173.9/26

All: 0.412+/-0.003 $\chi^2$/NDF: 1747.1/51

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -2.220+/-0.991 $\chi^2$/NDF: 14.7/1

Left Out: 17.393+/-0.087 $\chi^2$/NDF:16305.7/24

Right Out: -5.584+/-0.656 $\chi^2$/NDF: 3.3/1

Left In: 17.271+/-0.088 $\chi^2$/NDF:12892.2/22

Left: 17.333+/-0.062 $\chi^2$/NDF: 29198.9/47

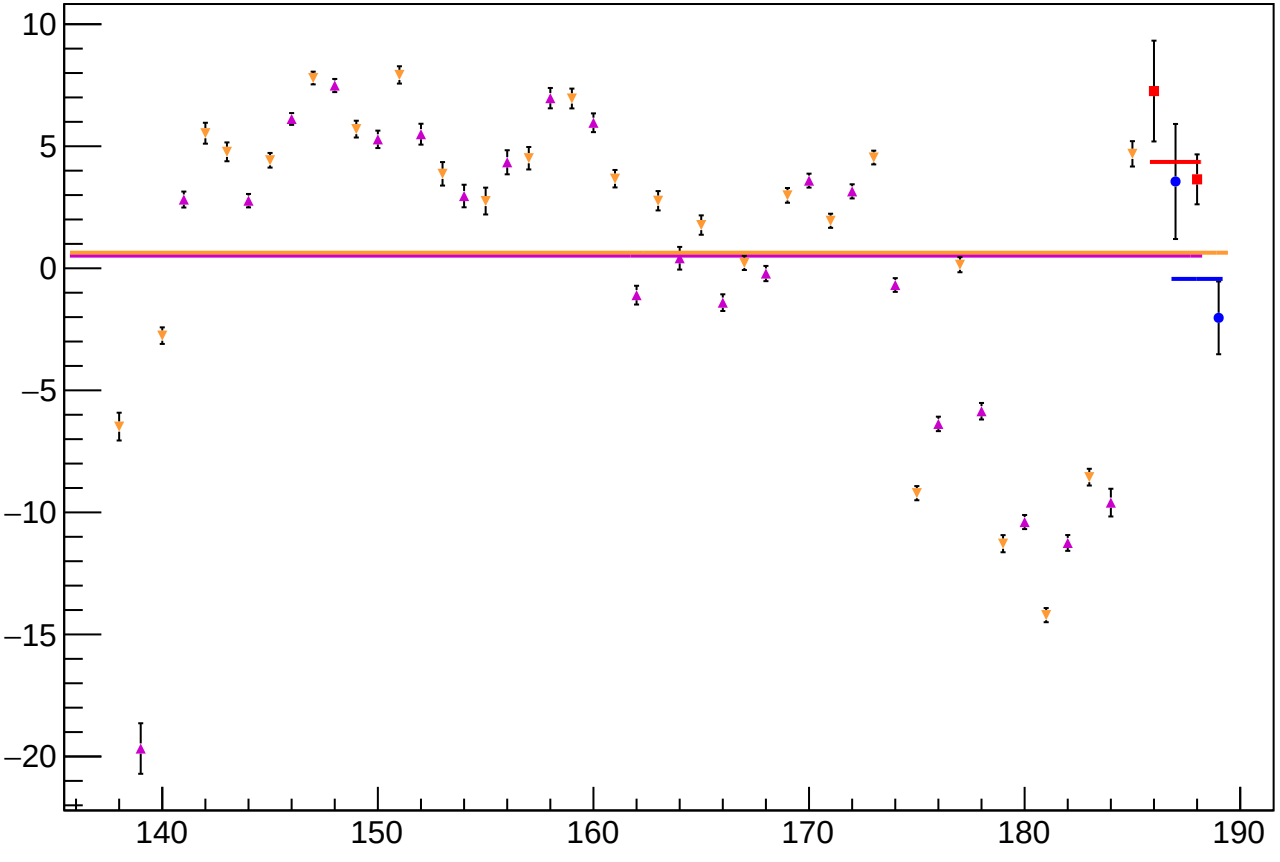
Right: -4.560+/-0.547 $\chi^2$/NDF: 25.9/3

In: 17.117+/-0.088 $\chi^2$/NDF:13290.5/24

Out: 16.993+/-0.086 $\chi^2$/NDF:17515.4/26

All: 17.054+/-0.062 $\chi^2$/NDF: 30806.8/51

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -0.434+/-1.260 $\chi^2$/NDF: 4.0/1

Left Out: 0.639+/-0.070 $\chi^2$/NDF:8514.9/24

Right Out: 4.357+/-0.917 $\chi^2$/NDF: 2.5/1

Left In: 0.519+/-0.071 $\chi^2$/NDF:6776.8/22

Left: 0.580+/-0.050 $\chi^2$/NDF: 15293.1/47

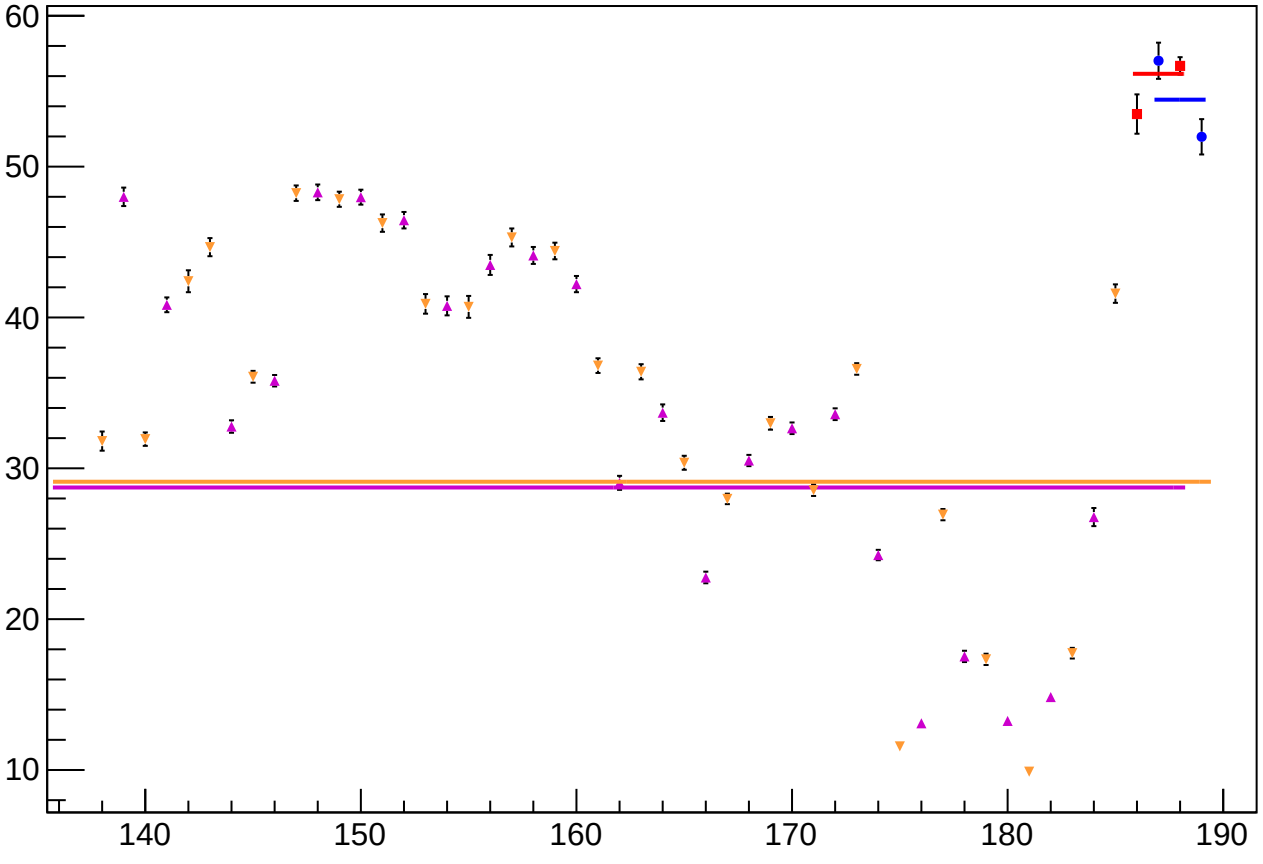
Right: 2.699+/-0.741 $\chi^2$/NDF: 15.9/3

In: 0.516+/-0.070 $\chi^2$/NDF:6781.4/24

Out: 0.660+/-0.069 $\chi^2$/NDF:8533.7/26

All: 0.589+/-0.049 $\chi^2$/NDF: 15317.2/51

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 54.439+/-0.838 $\chi^2$/NDF: 9.0/1

Left Out: 29.110+/-0.088 $\chi^2$/NDF:18845.8/24

Right Out: 56.153+/-0.529 $\chi^2$/NDF: 5.0/1

Left In: 28.728+/-0.089 $\chi^2$/NDF:17037.4/22

Left: 28.921+/-0.062 $\chi^2$/NDF: 35892.6/47

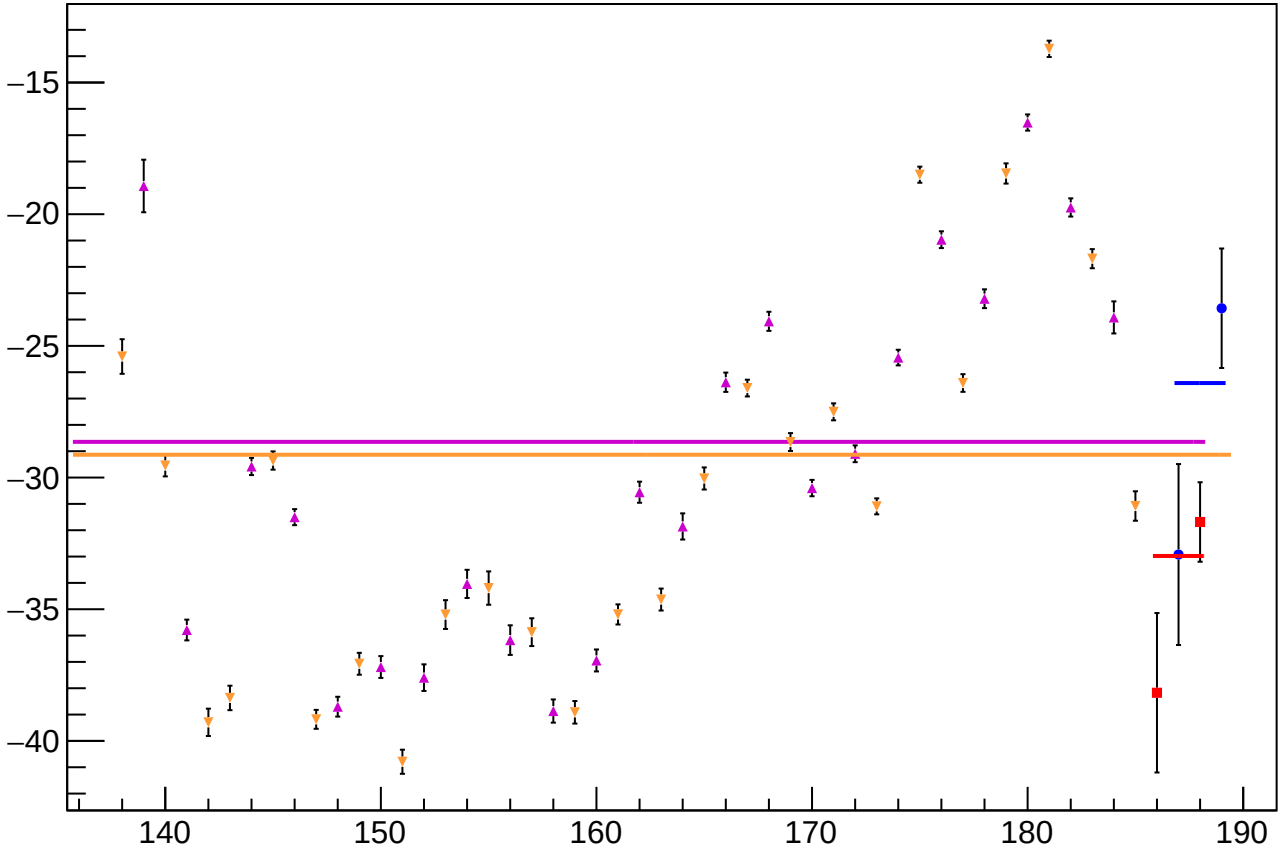
Right: 55.665+/-0.447 $\chi^2$/NDF: 17.0/3

In: 29.014+/-0.088 $\chi^2$/NDF:17977.7/24

Out: 29.837+/-0.087 $\chi^2$/NDF:21395.2/26

All: 29.433+/-0.062 $\chi^2$/NDF: 39417.2/51

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -26.412+/-1.893 $\chi^2$/NDF: 5.2/1

Left Out: -29.134+/-0.078 $\chi^2$/NDF:8998.0/24

Right Out: -32.978+/-1.351 $\chi^2$/NDF: 3.7/1

Left In: -28.645+/-0.080 $\chi^2$/NDF:6693.5/22

Left: -28.893+/-0.056 $\chi^2$/NDF: 15710.7/47

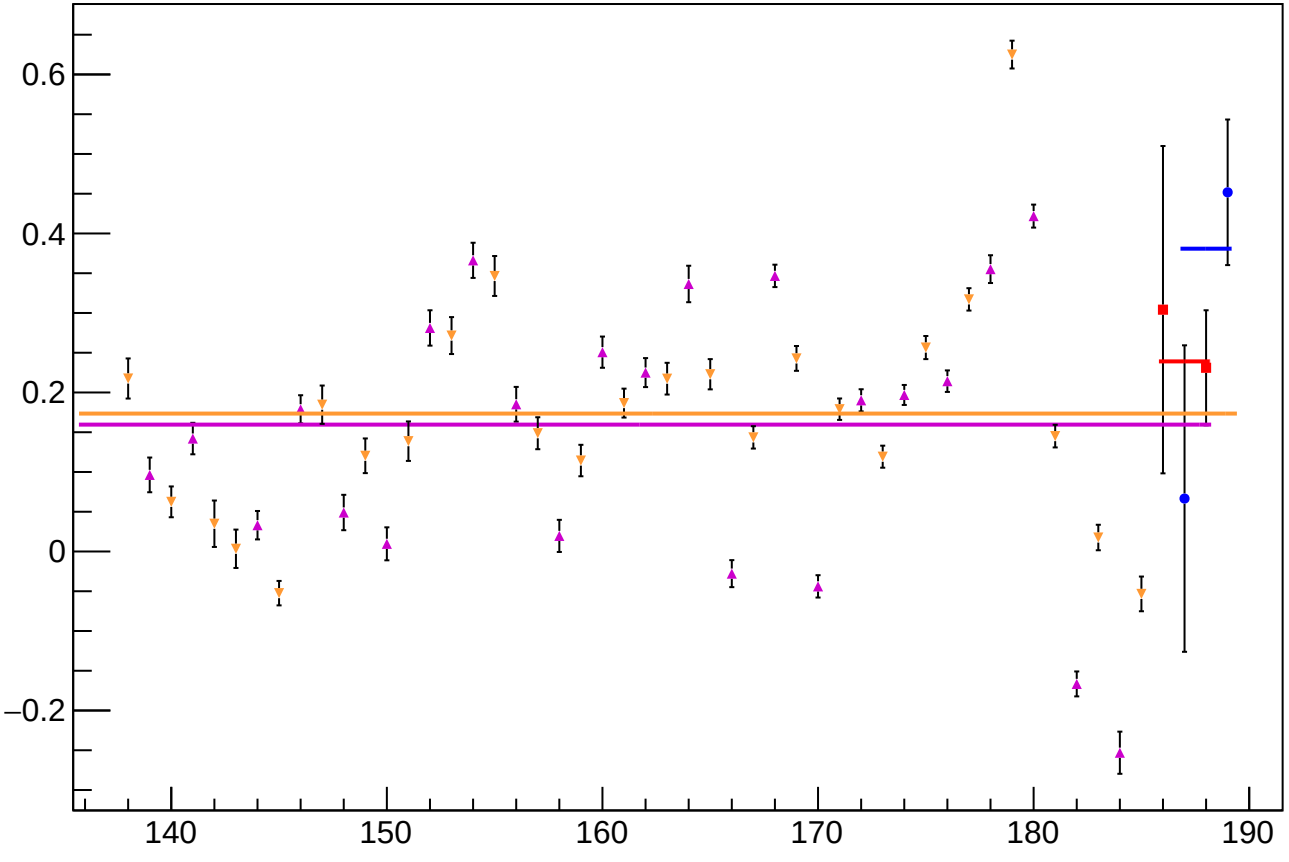
Right: -30.763+/-1.099 $\chi^2$/NDF: 16.8/3

In: -28.641+/-0.079 $\chi^2$/NDF:6700.0/24

Out: -29.147+/-0.078 $\chi^2$/NDF:9009.8/26

All: -28.898+/-0.056 $\chi^2$/NDF: 15730.4/51

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.381+/-0.083 $\chi^2$/NDF: 3.3/1

Left Out: 0.173+/-0.004 $\chi^2$/NDF:1468.8/24

Right Out: 0.239+/-0.068 $\chi^2$/NDF: 0.1/1

Left In: 0.160+/-0.004 $\chi^2$/NDF:2063.7/22

Left: 0.167+/-0.003 $\chi^2$/NDF: 3539.9/47

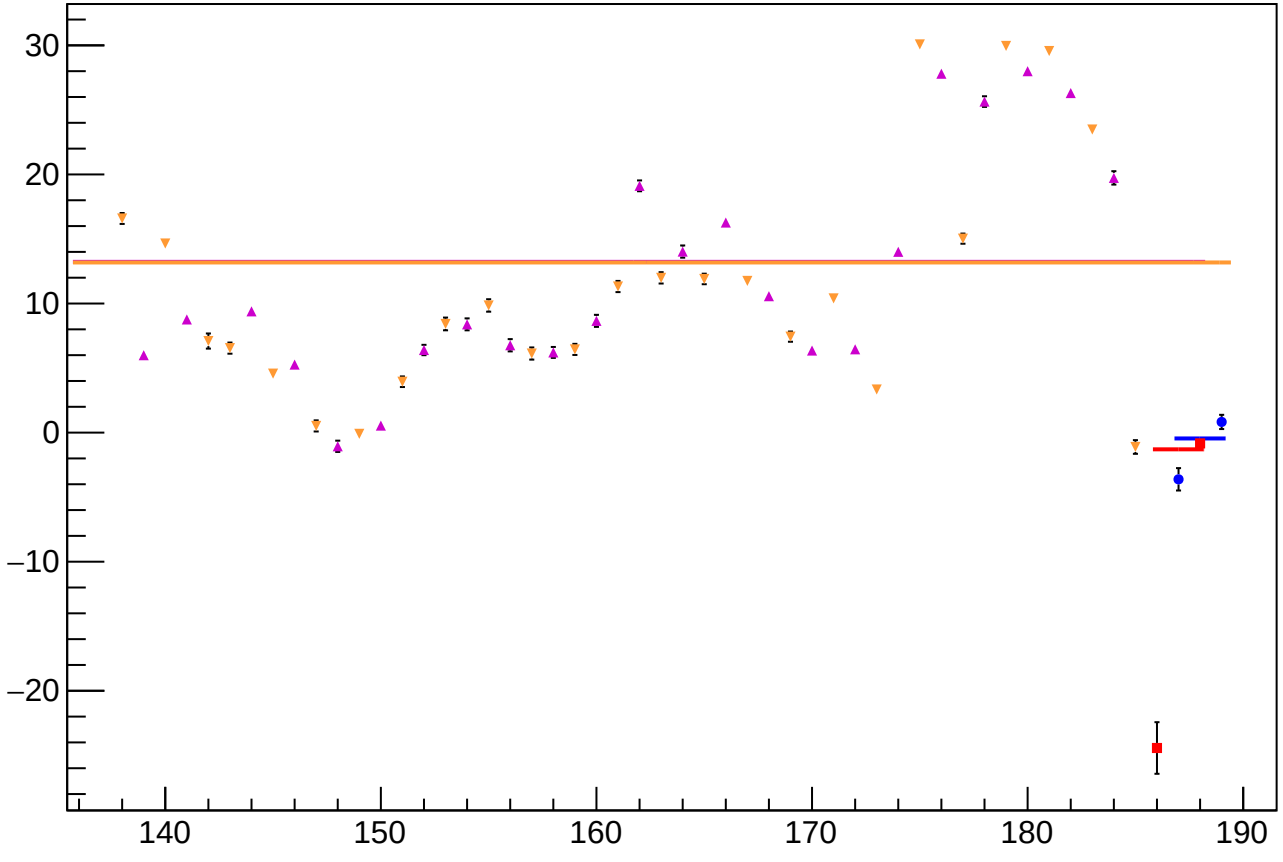
Right: 0.297+/-0.053 $\chi^2$/NDF: 5.1/3

In: 0.160+/-0.004 $\chi^2$/NDF:2074.1/24

Out: 0.174+/-0.004 $\chi^2$/NDF:1469.9/26

All: 0.167+/-0.003 $\chi^2$/NDF: 3551.1/51

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -0.453+/-0.465 $\chi^2$/NDF: 18.7/1

Left Out: 13.181+/-0.075 $\chi^2$/NDF:17039.3/24

Right Out: -1.295+/-0.279 $\chi^2$/NDF: 136.6/1

Left In: 13.228+/-0.077 $\chi^2$/NDF:14126.1/22

Left: 13.204+/-0.054 $\chi^2$/NDF: 31165.6/47

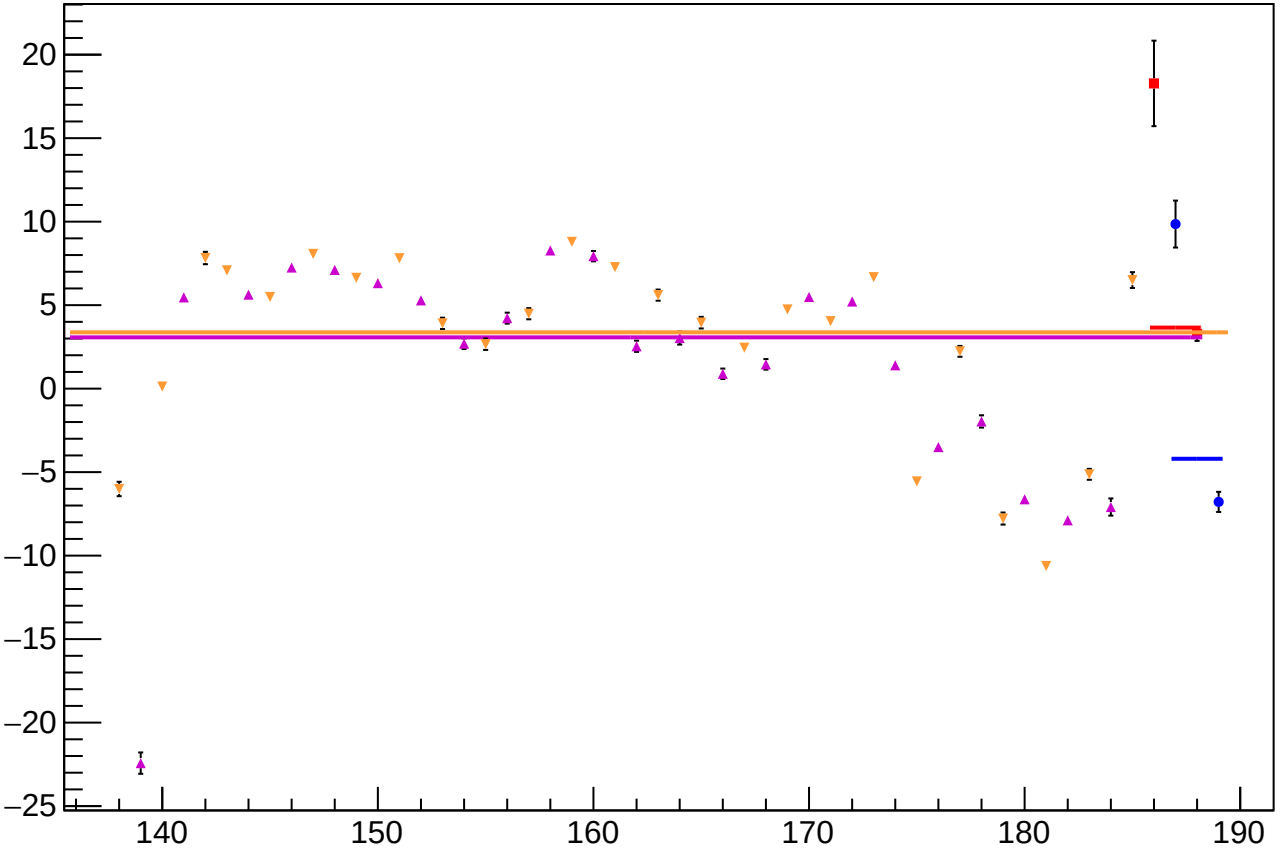
Right: -1.072+/-0.239 $\chi^2$/NDF: 157.7/3

In: 12.867+/-0.076 $\chi^2$/NDF:14986.5/24

Out: 12.197+/-0.073 $\chi^2$/NDF:19682.1/26

All: 12.519+/-0.052 $\chi^2$/NDF: 34709.3/51

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -4.200+/-0.554 $\chi^2$/NDF: 118.4/1

Left Out: 3.372+/-0.059 $\chi^2$/NDF:8053.7/24

Right Out: 3.656+/-0.409 $\chi^2$/NDF: 33.5/1

Left In: 3.071+/-0.060 $\chi^2$/NDF:7269.0/22

Left: 3.226+/-0.042 $\chi^2$/NDF: 15335.5/47

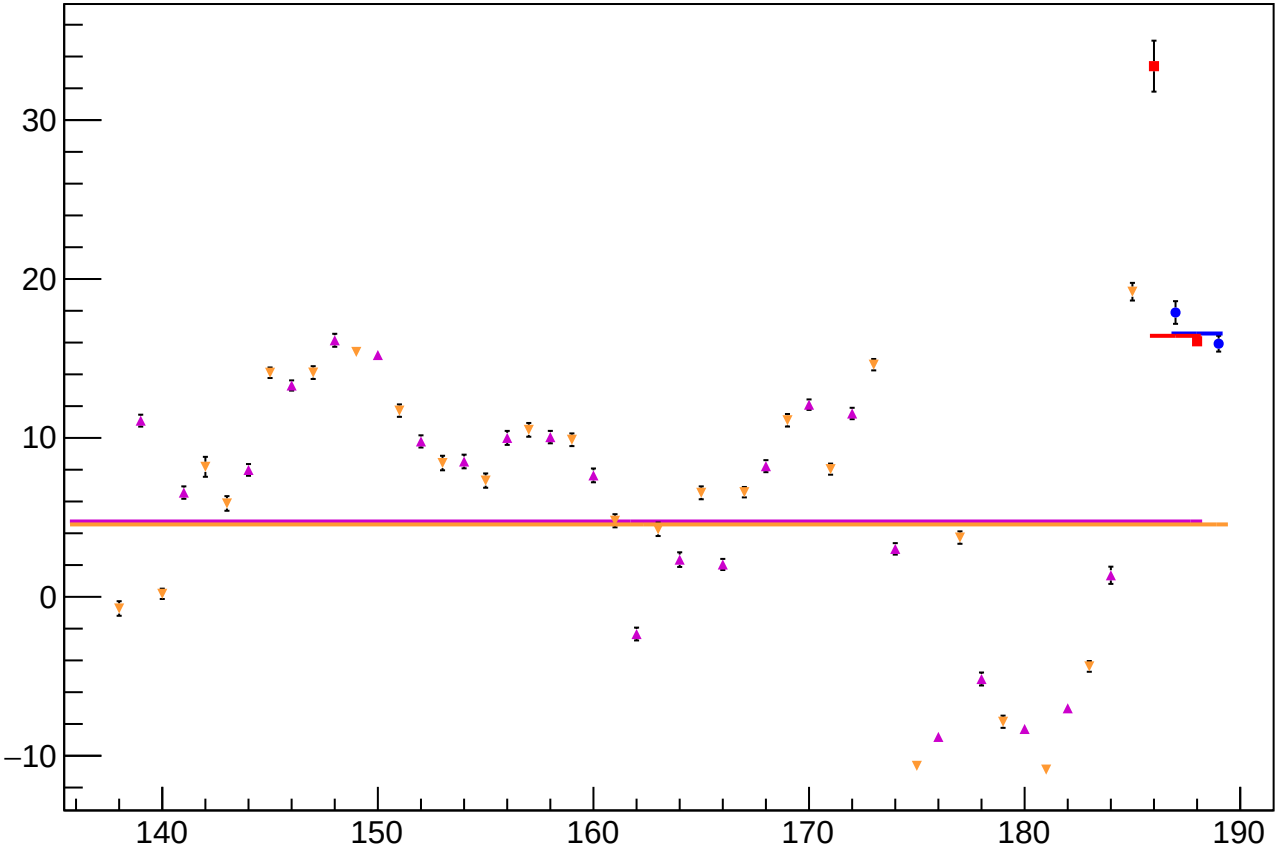
Right: 0.882+/-0.329 $\chi^2$/NDF: 282.1/3

In: 2.986+/-0.060 $\chi^2$/NDF:7557.8/24

Out: 3.377+/-0.058 $\chi^2$/NDF:8087.7/26

All: 3.189+/-0.042 $\chi^2$/NDF: 15667.5/51

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 16.570+/-0.408 $\chi^2$/NDF: 5.1/1

Left Out: 4.557+/-0.076 $\chi^2$/NDF:13588.4/24

Right Out: 16.425+/-0.226 $\chi^2$/NDF: 114.2/1

Left In: 4.741+/-0.076 $\chi^2$/NDF:11418.2/22

Left: 4.648+/-0.054 $\chi^2$/NDF: 25009.5/47

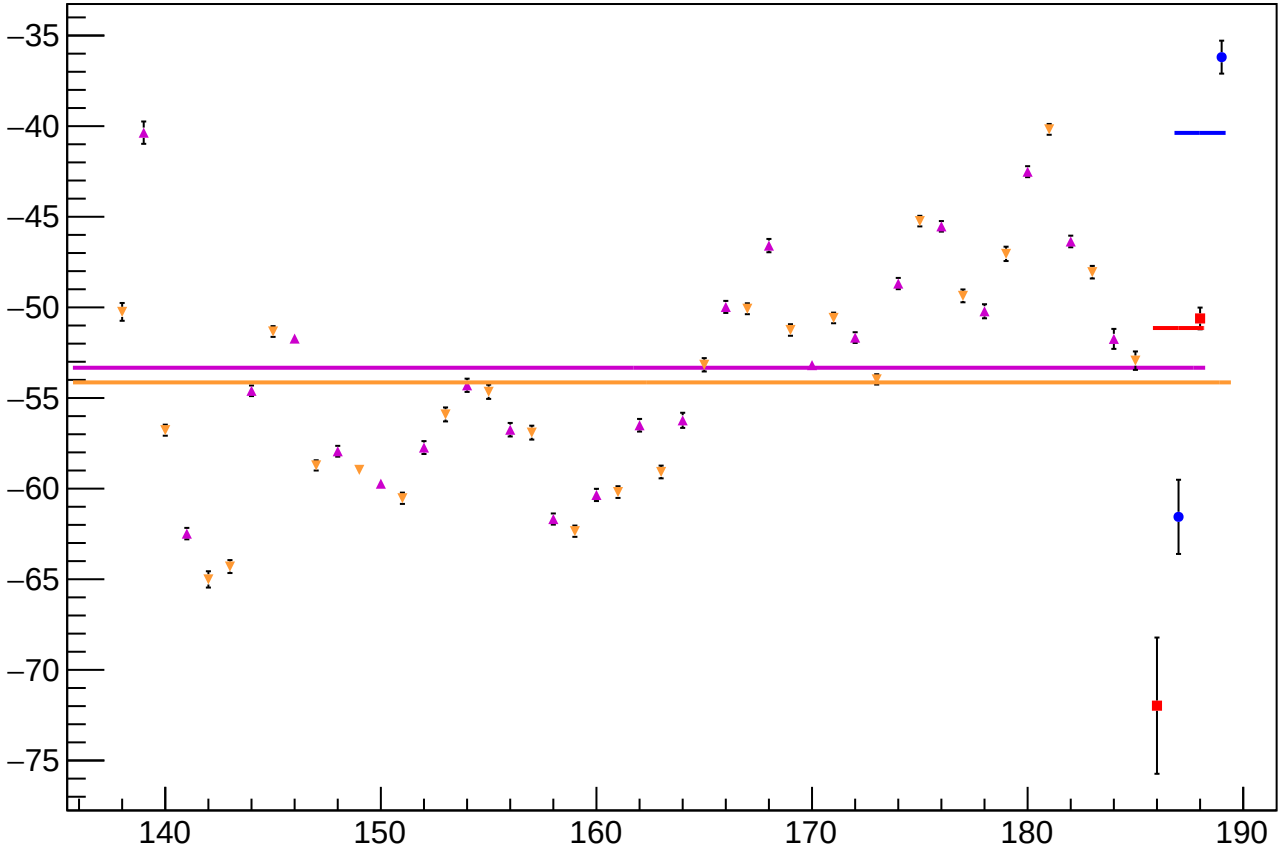
Right: 16.459+/-0.198 $\chi^2$/NDF: 119.4/3

In: 5.143+/-0.075 $\chi^2$/NDF:12236.3/24

Out: 5.746+/-0.072 $\chi^2$/NDF:16175.3/26

All: 5.458+/-0.052 $\chi^2$/NDF: 28445.4/51

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -40.372+/-0.831 $\chi^2$/NDF: 128.3/1

Left Out: -54.139+/-0.067 $\chi^2$/NDF:8301.1/24

Right Out: -51.139+/-0.592 $\chi^2$/NDF: 31.5/1

Left In: -53.330+/-0.068 $\chi^2$/NDF:6940.2/22

Left: -53.745+/-0.048 $\chi^2$/NDF: 15313.2/47

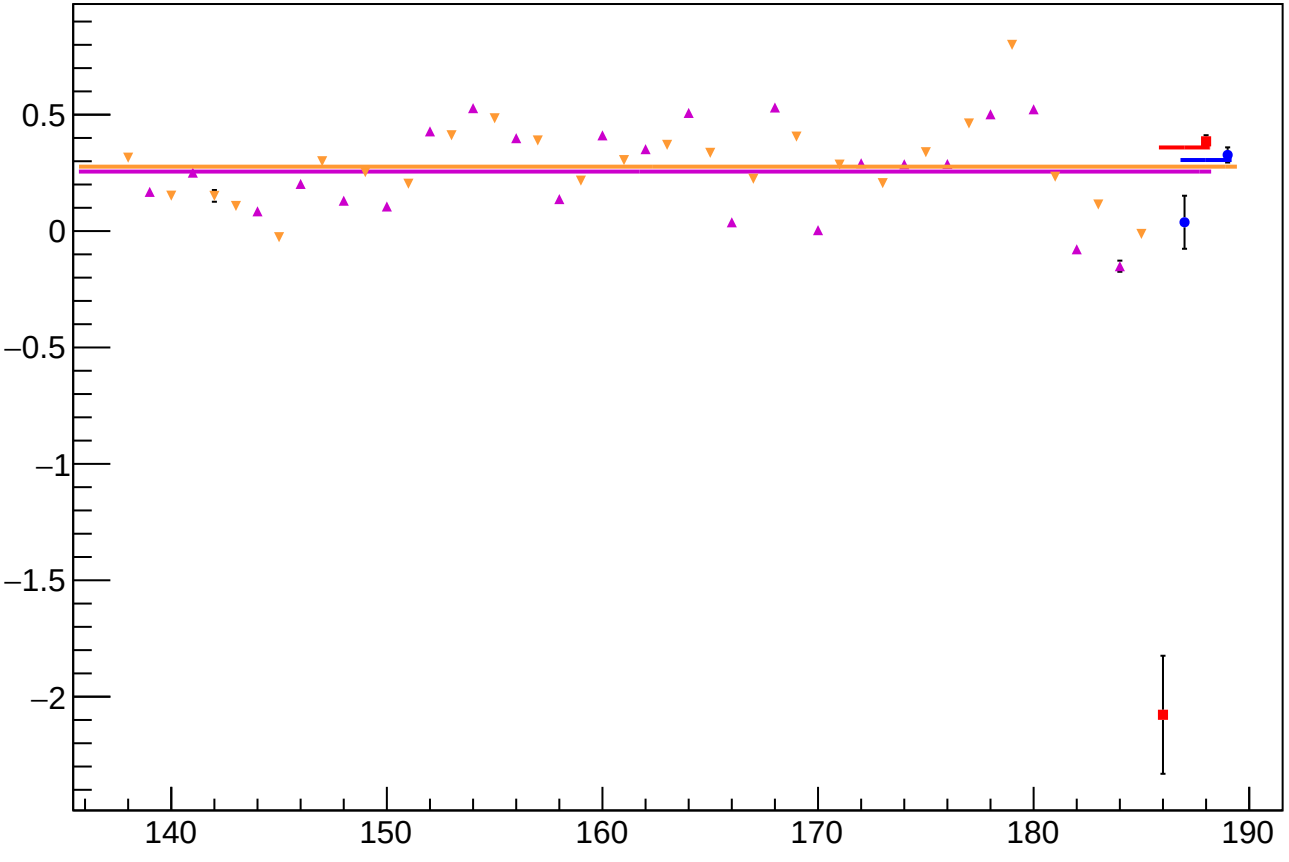
Right: -47.517+/-0.482 $\chi^2$/NDF: 271.2/3

In: -53.244+/-0.068 $\chi^2$/NDF:7310.1/24

Out: -54.101+/-0.066 $\chi^2$/NDF:8358.0/26

All: -53.684+/-0.047 $\chi^2$/NDF: 15749.9/51

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.305+/-0.031 $\chi^2$/NDF: 6.0/1

Left Out: 0.277+/-0.003 $\chi^2$/NDF:2606.0/24

Right Out: 0.359+/-0.026 $\chi^2$/NDF: 93.4/1

Left In: 0.256+/-0.003 $\chi^2$/NDF:3644.0/22

Left: 0.266+/-0.002 $\chi^2$/NDF: 6273.6/47

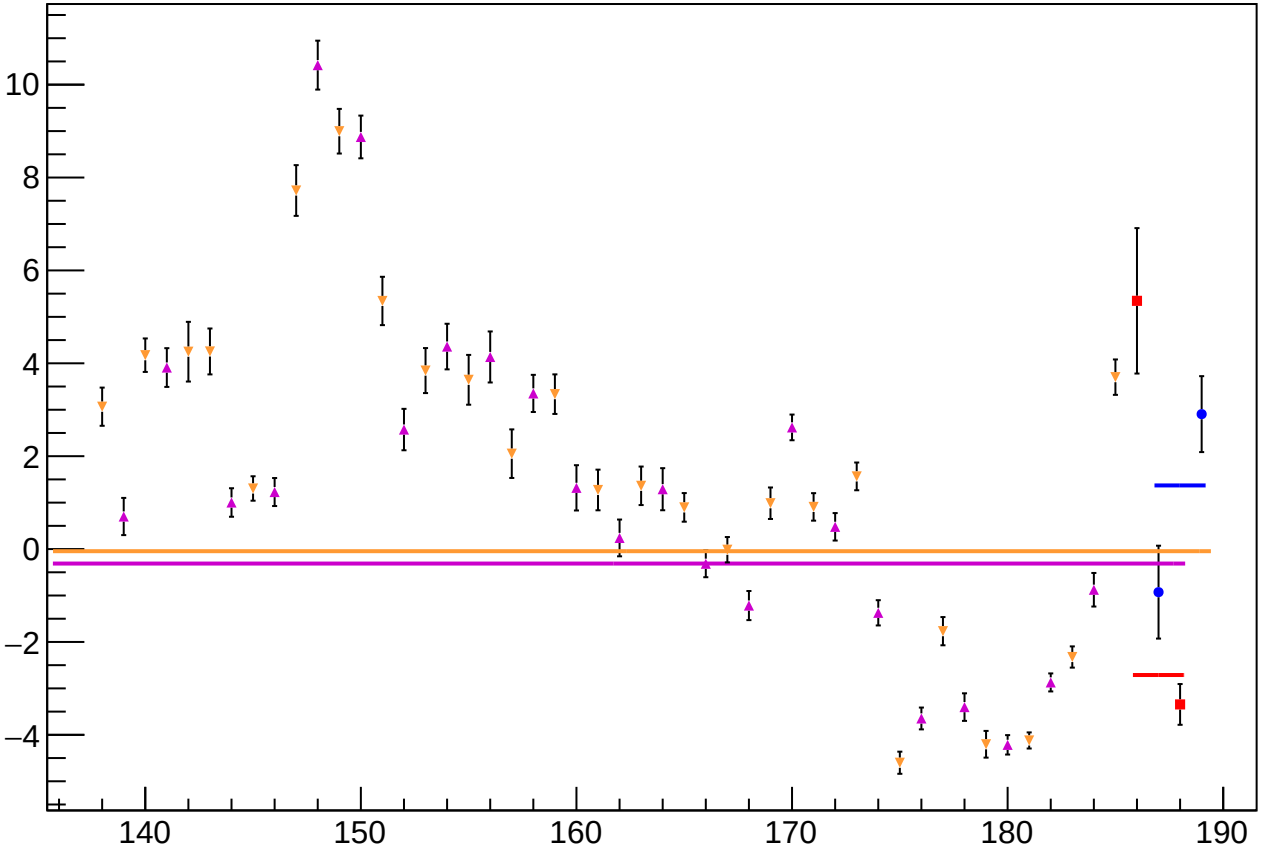
Right: 0.337+/-0.020 $\chi^2$/NDF: 101.1/3

In: 0.256+/-0.003 $\chi^2$/NDF:3652.4/24

Out: 0.278+/-0.003 $\chi^2$/NDF:2709.2/26

All: 0.267+/-0.002 $\chi^2$/NDF: 6386.9/51

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 1.370+/-0.633 $\chi^2$/NDF: 8.8/1

Left Out: -0.046+/-0.066 $\chi^2$/NDF:2628.9/24

Right Out: -2.712+/-0.423 $\chi^2$/NDF: 28.6/1

Left In: -0.312+/-0.067 $\chi^2$/NDF:2252.6/22

Left: -0.177+/-0.047 $\chi^2$/NDF: 4889.5/47

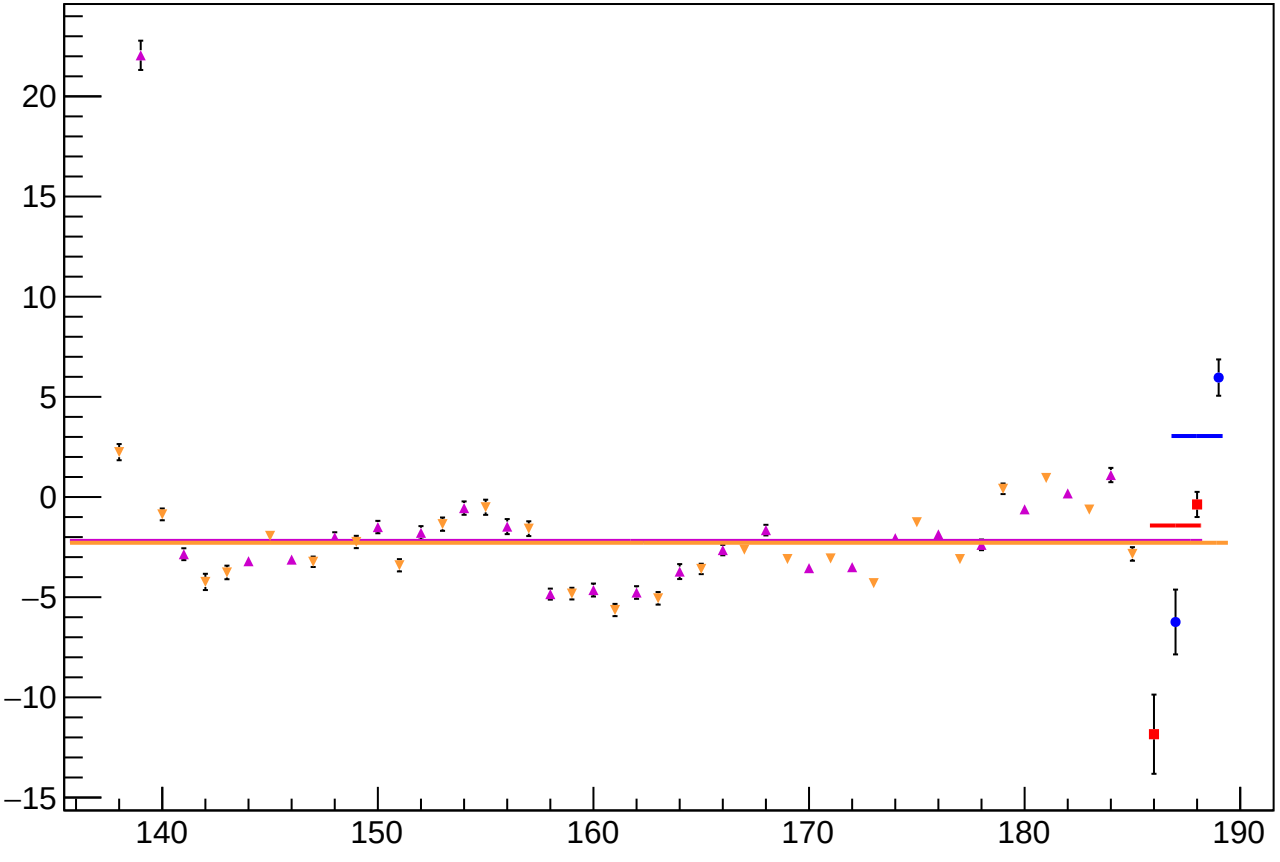
Right: -1.453+/-0.351 $\chi^2$/NDF: 66.1/3

In: -0.293+/-0.067 $\chi^2$/NDF:2268.4/24

Out: -0.109+/-0.065 $\chi^2$/NDF:2696.3/26

All: -0.199+/-0.047 $\chi^2$/NDF: 4968.6/51

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 3.045+/-0.791 $\chi^2$/NDF: 43.3/1

Left Out: -2.283+/-0.054 $\chi^2$/NDF:1132.1/24

Right Out: -1.421+/-0.598 $\chi^2$/NDF: 30.6/1

Left In: -2.190+/-0.055 $\chi^2$/NDF:1785.1/22

Left: -2.237+/-0.039 $\chi^2$/NDF: 2918.6/47

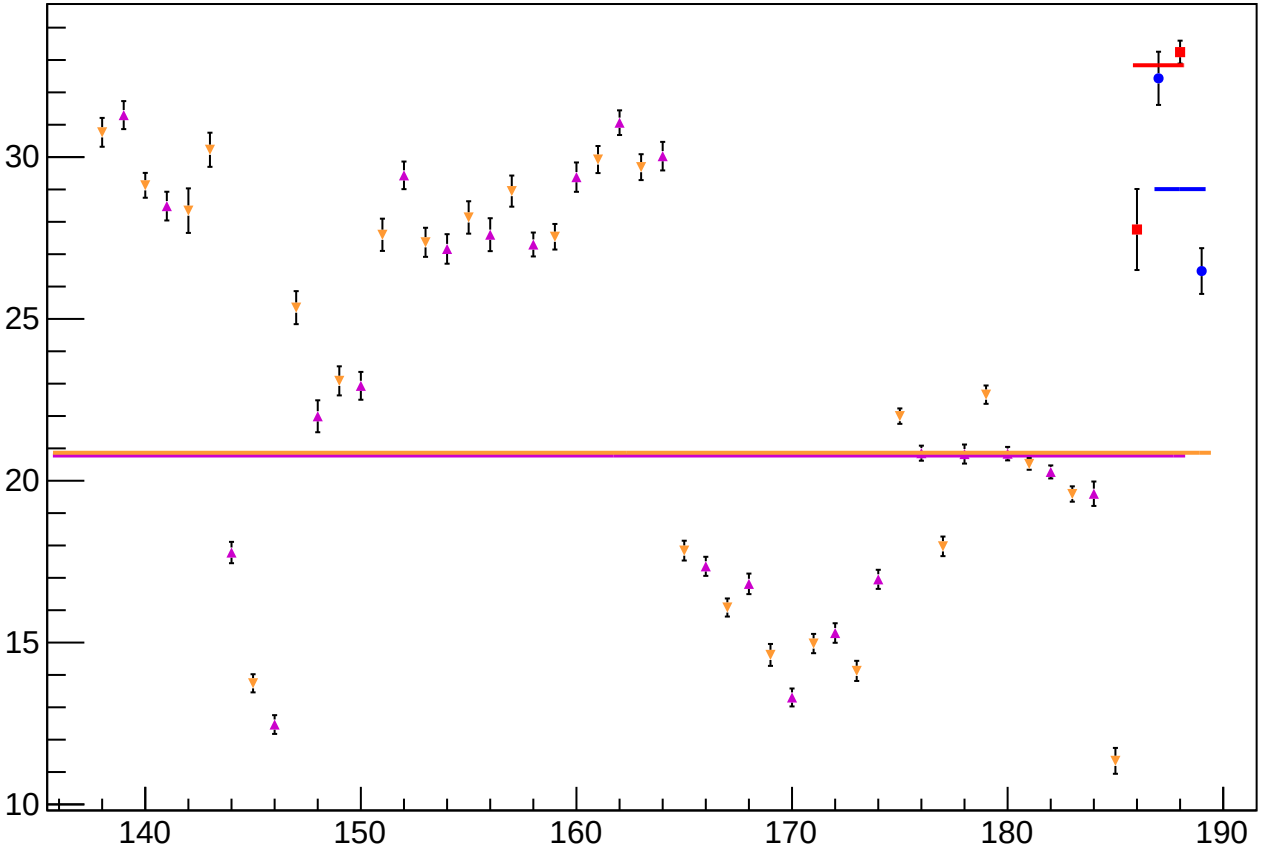
Right: 0.204+/-0.477 $\chi^2$/NDF: 94.1/3

In: -2.165+/-0.055 $\chi^2$/NDF:1871.9/24

Out: -2.276+/-0.054 $\chi^2$/NDF:1164.7/26

All: -2.221+/-0.038 $\chi^2$/NDF: 3038.8/51

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 29.011+/-0.536 $\chi^2$/NDF: 30.2/1

Left Out: 20.865+/-0.067 $\chi^2$/NDF:6608.4/24

Right Out: 32.838+/-0.341 $\chi^2$/NDF: 17.7/1

Left In: 20.780+/-0.067 $\chi^2$/NDF:5988.0/22

Left: 20.823+/-0.047 $\chi^2$/NDF: 12597.2/47

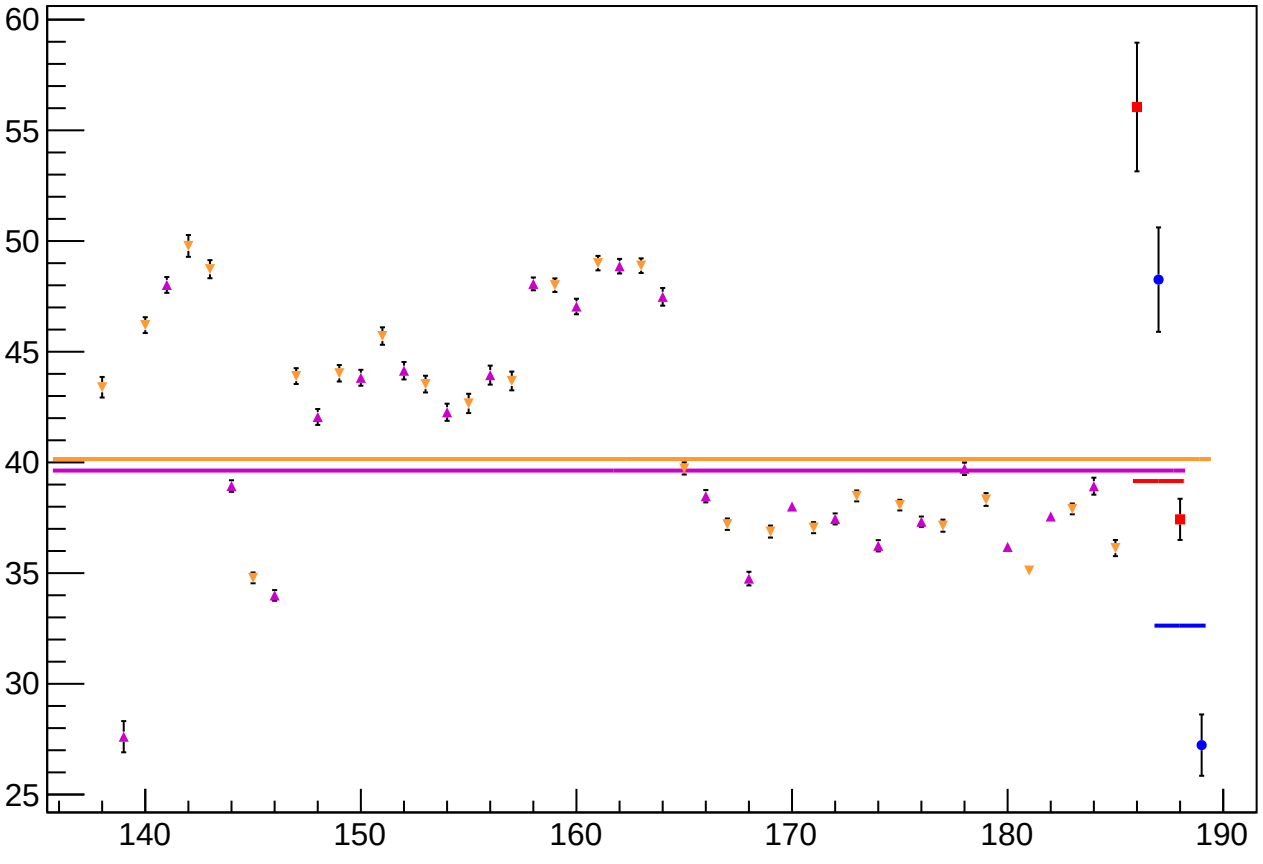
Right: 31.737+/-0.287 $\chi^2$/NDF: 84.2/3

In: 20.907+/-0.067 $\chi^2$/NDF:6250.3/24

Out: 21.308+/-0.066 $\chi^2$/NDF:7816.0/26

All: 21.111+/-0.047 $\chi^2$/NDF: 14084.7/51

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 32.628+/-1.195 $\chi^2$/NDF: 59.1/1

Left Out: 40.154+/-0.060 $\chi^2$/NDF:5861.6/24

Right Out: 39.159+/-0.886 $\chi^2$/NDF: 37.3/1

Left In: 39.632+/-0.061 $\chi^2$/NDF:5343.3/22

Left: 39.896+/-0.043 $\chi^2$/NDF: 11241.6/47

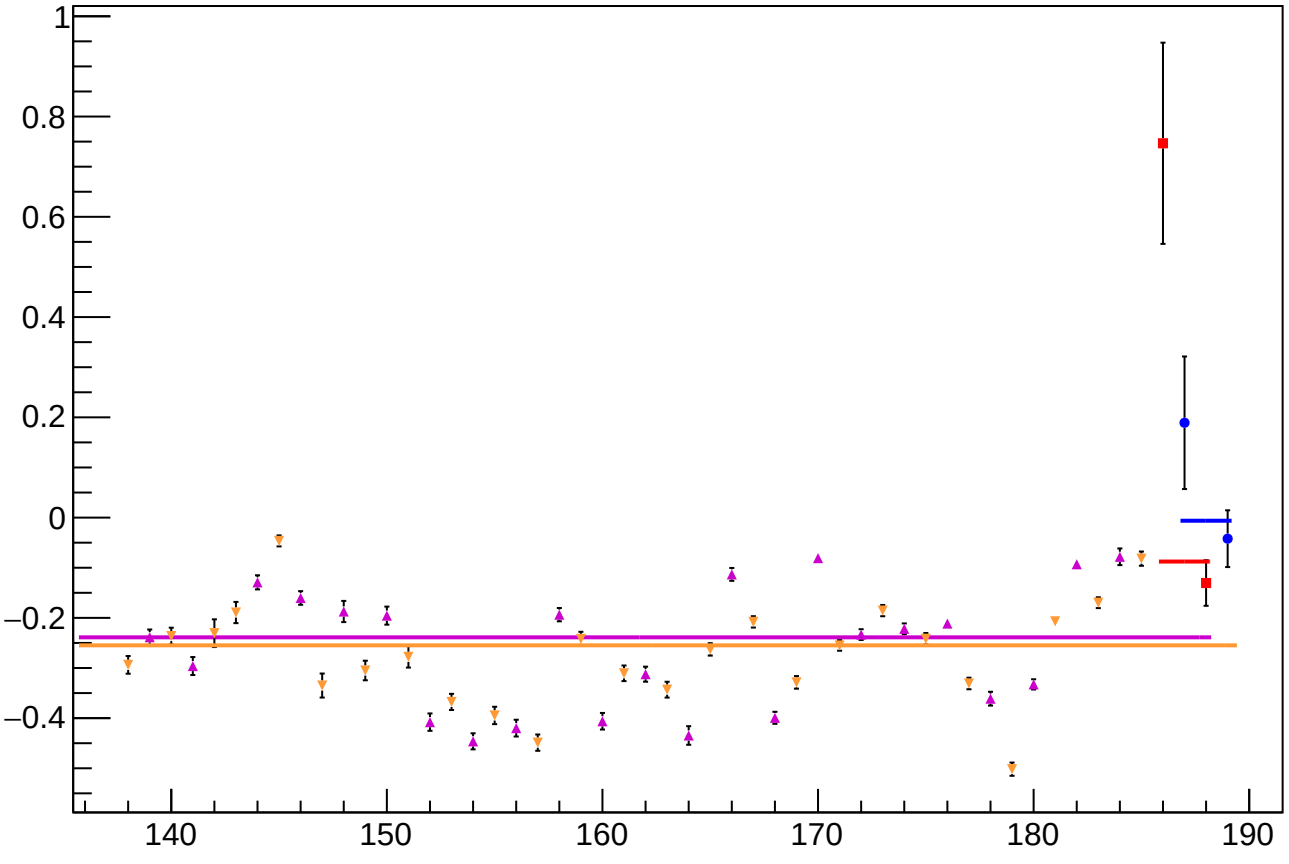
Right: 36.842+/-0.712 $\chi^2$/NDF: 115.6/3

In: 39.614+/-0.061 $\chi^2$/NDF:5436.7/24

Out: 40.149+/-0.060 $\chi^2$/NDF:5900.1/26

All: 39.885+/-0.043 $\chi^2$/NDF: 11375.6/51

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.006+/-0.052 $\chi^2$/NDF: 2.6/1

Left Out: -0.255+/-0.003 $\chi^2$/NDF:1417.7/24

Right Out: -0.088+/-0.044 $\chi^2$/NDF: 18.2/1

Left In: -0.239+/-0.003 $\chi^2$/NDF:1750.0/22

Left: -0.247+/-0.002 $\chi^2$/NDF: 3184.5/47

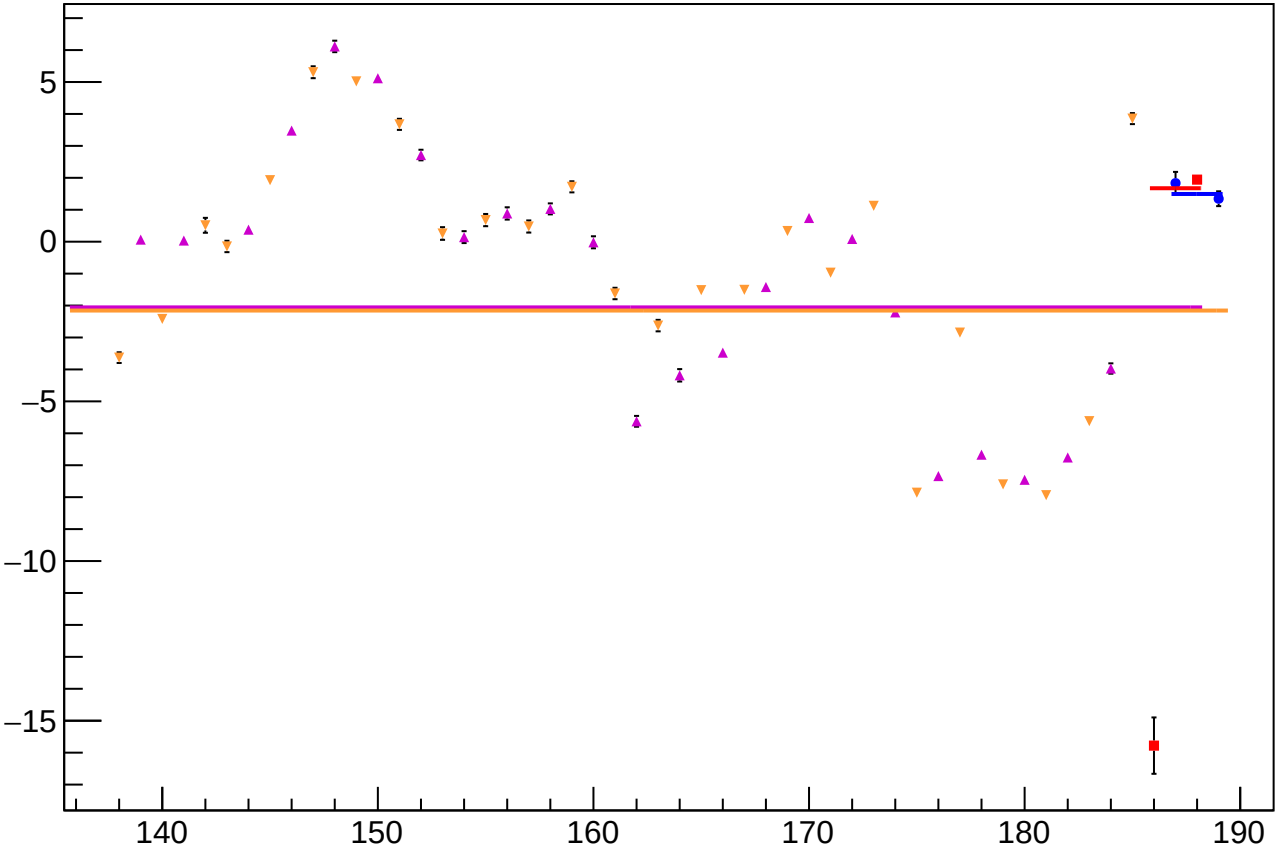
Right: -0.053+/-0.034 $\chi^2$/NDF: 22.2/3

In: -0.238+/-0.003 $\chi^2$/NDF:1772.5/24

Out: -0.254+/-0.003 $\chi^2$/NDF:1450.0/26

All: -0.246+/-0.002 $\chi^2$/NDF: 3239.4/51

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 1.494+/-0.194 $\chi^2$/NDF: 1.3/1

Left Out: -2.156+/-0.026 $\chi^2$/NDF:24501.3/24

Right Out: 1.674+/-0.109 $\chi^2$/NDF: 397.3/1

Left In: -2.058+/-0.026 $\chi^2$/NDF:23343.8/22

Left: -2.107+/-0.018 $\chi^2$/NDF: 47852.3/47

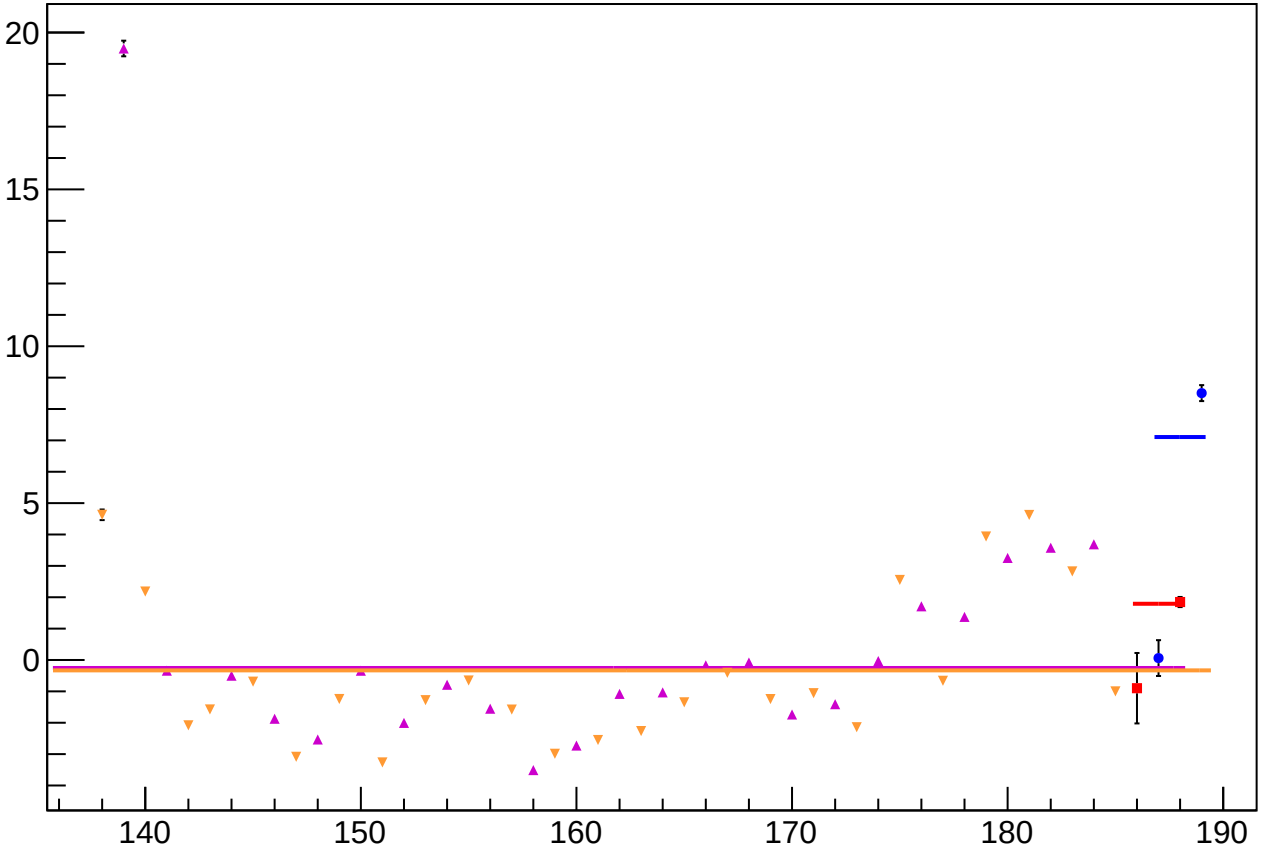
Right: 1.631+/-0.095 $\chi^2$/NDF: 399.3/3

In: -1.995+/-0.026 $\chi^2$/NDF:23675.3/24

Out: -1.954+/-0.025 $\chi^2$/NDF:26071.6/26

All: -1.974+/-0.018 $\chi^2$/NDF: 49748.3/51

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 7.107+/-0.232 $\chi^2$/NDF: 182.6/1

Left Out: -0.331+/-0.021 $\chi^2$/NDF:12552.3/24

Right Out: 1.792+/-0.160 $\chi^2$/NDF: 5.9/1

Left In: -0.255+/-0.021 $\chi^2$/NDF:14162.0/22

Left: -0.293+/-0.015 $\chi^2$/NDF: 26721.1/47

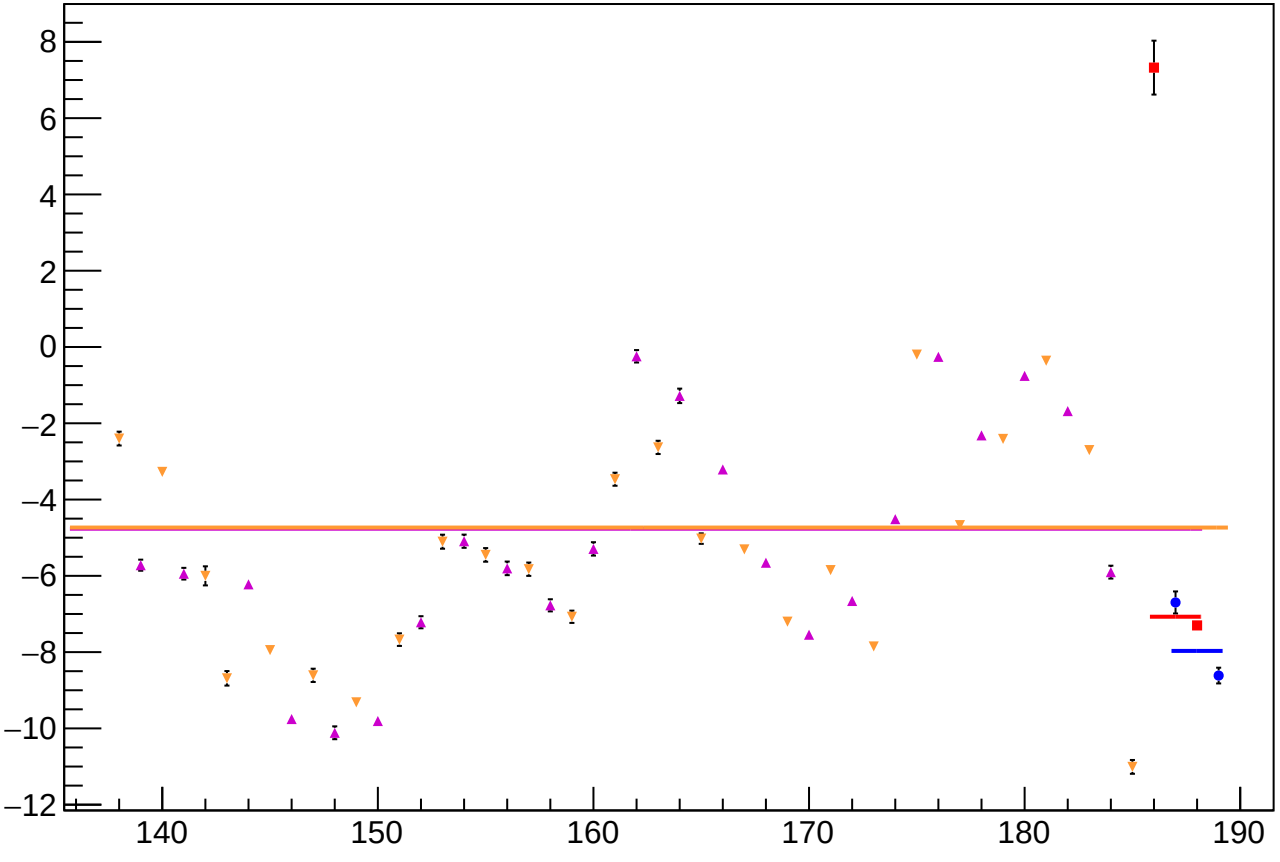
Right: 3.497+/-0.132 $\chi^2$/NDF: 543.5/3

In: -0.196+/-0.021 $\chi^2$/NDF:15339.6/24

Out: -0.296+/-0.020 $\chi^2$/NDF:12731.9/26

All: -0.247+/-0.015 $\chi^2$/NDF: 28083.3/51

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -7.968+/-0.168 $\chi^2$/NDF: 29.1/1

Left Out: -4.734+/-0.026 $\chi^2$/NDF:13188.7/24

Right Out: -7.072+/-0.088 $\chi^2$/NDF: 421.6/1

Left In: -4.764+/-0.026 $\chi^2$/NDF:14163.2/22

Left: -4.749+/-0.018 $\chi^2$/NDF: 27352.6/47

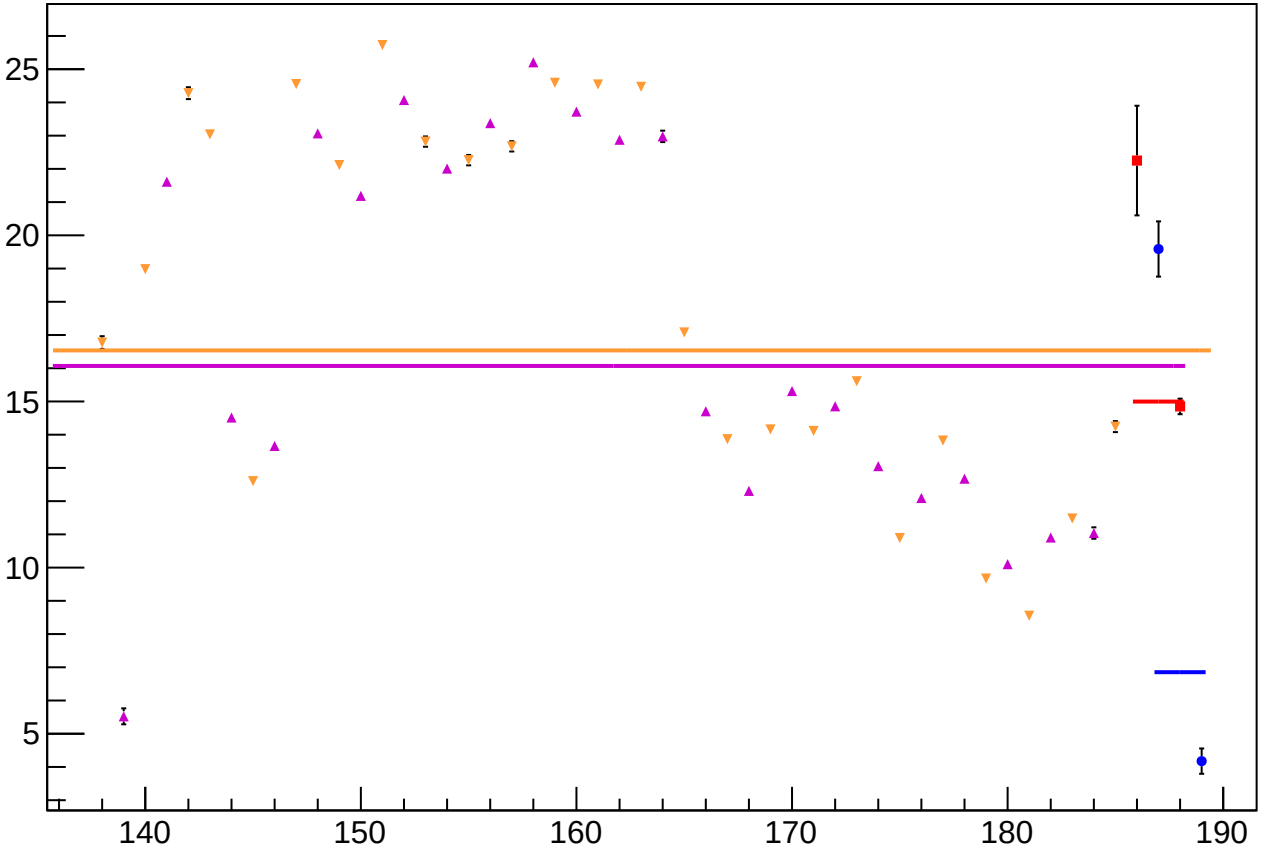
Right: -7.266+/-0.078 $\chi^2$/NDF: 473.1/3

In: -4.839+/-0.026 $\chi^2$/NDF:14547.7/24

Out: -4.919+/-0.025 $\chi^2$/NDF:14257.2/26

All: -4.881+/-0.018 $\chi^2$/NDF: 28809.9/51

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 6.852+/-0.346 $\chi^2$/NDF: 284.1/1

Left Out: 16.536+/-0.023 $\chi^2$/NDF:53546.9/24

Right Out: 14.996+/-0.232 $\chi^2$/NDF: 19.7/1

Left In: 16.069+/-0.023 $\chi^2$/NDF:42736.3/22

Left: 16.306+/-0.016 $\chi^2$/NDF: 96483.6/47

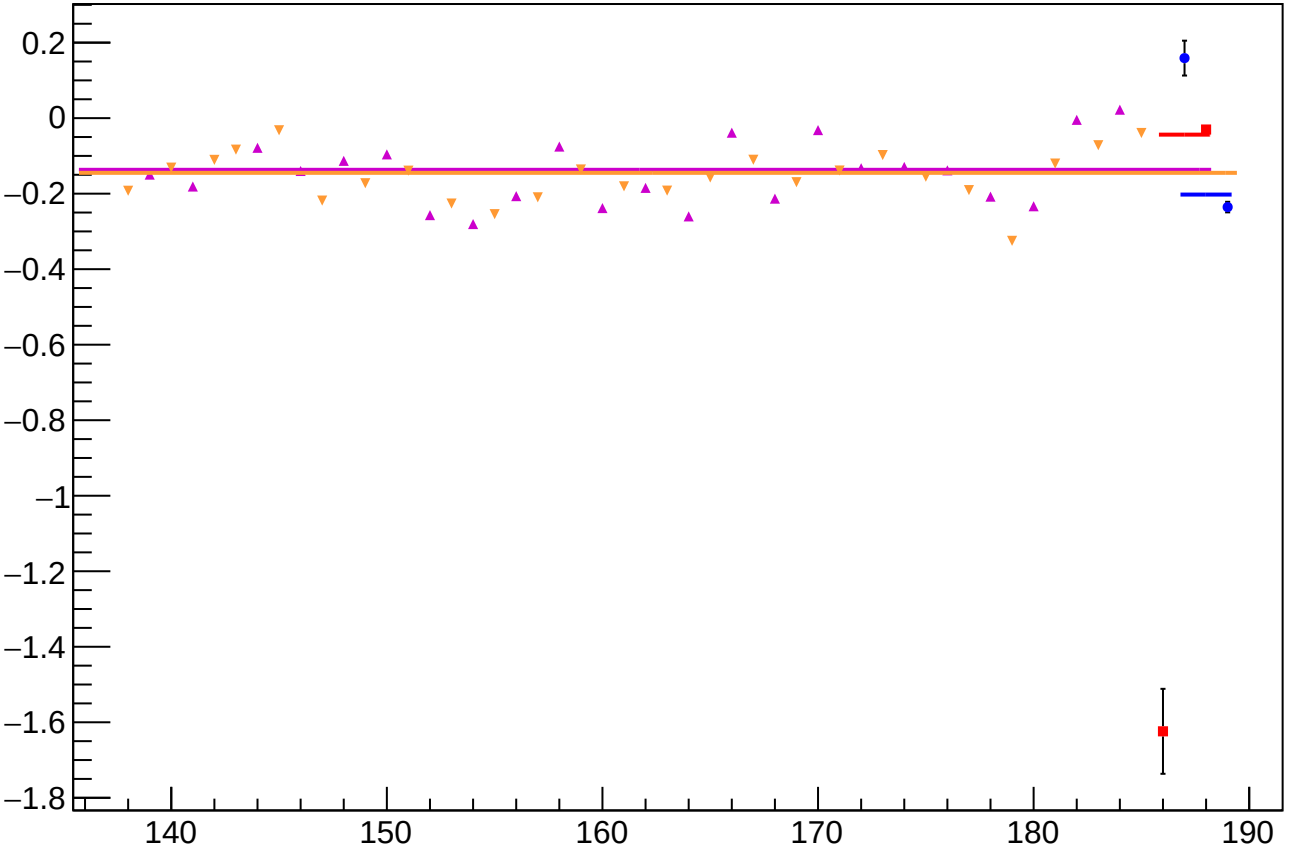
Right: 12.480+/-0.193 $\chi^2$/NDF: 685.8/3

In: 16.027+/-0.023 $\chi^2$/NDF:43725.1/24

Out: 16.521+/-0.023 $\chi^2$/NDF:53610.4/26

All: 16.278+/-0.016 $\chi^2$/NDF: 97561.2/51

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.202+/-0.013 $\chi^2$/NDF: 66.9/1

Left Out: -0.145+/-0.001 $\chi^2$/NDF:3755.1/24

Right Out: -0.044+/-0.010 $\chi^2$/NDF: 199.0/1

Left In: -0.137+/-0.001 $\chi^2$/NDF:5383.4/22

Left: -0.141+/-0.001 $\chi^2$/NDF: 9167.1/47

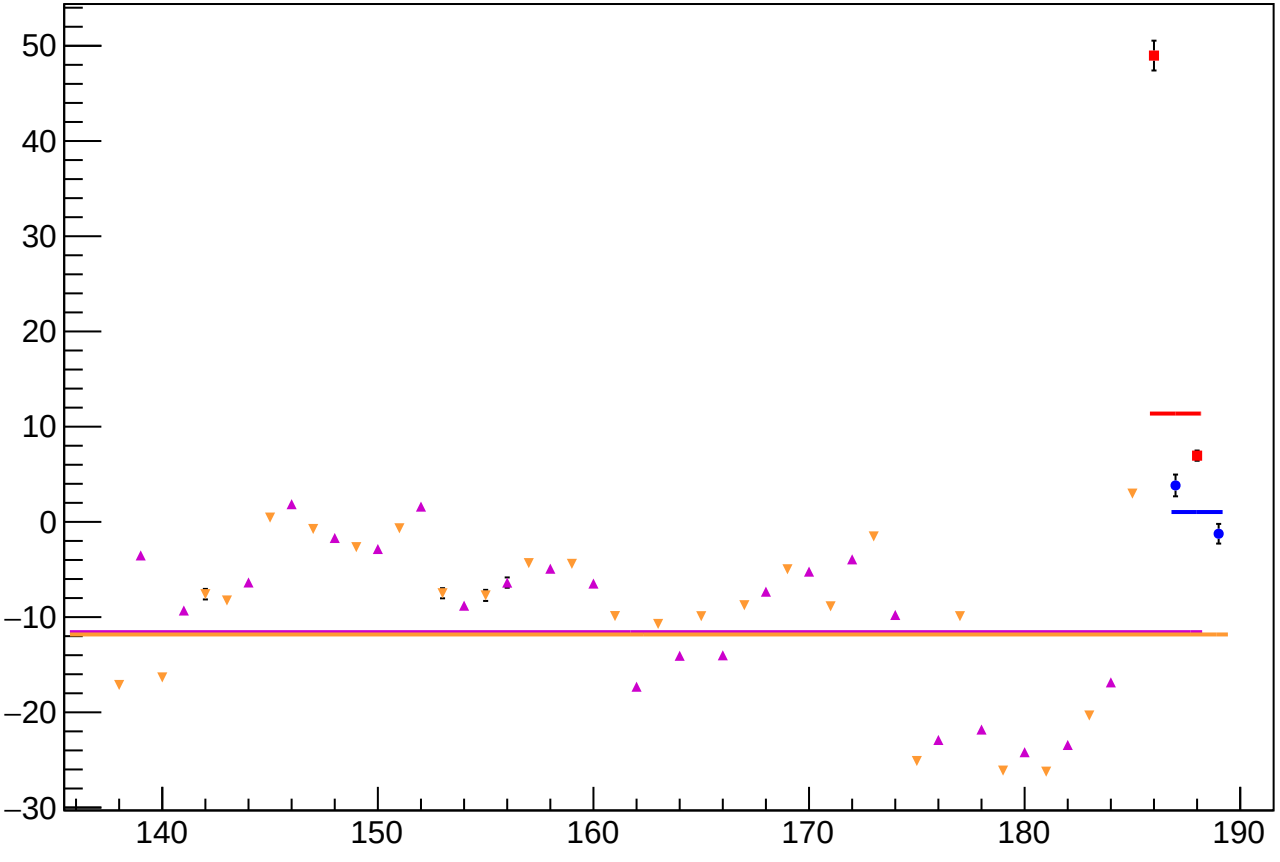
Right: -0.103+/-0.008 $\chi^2$/NDF: 353.8/3

In: -0.137+/-0.001 $\chi^2$/NDF:5474.2/24

Out: -0.144+/-0.001 $\chi^2$/NDF:4048.3/26

All: -0.141+/-0.001 $\chi^2$/NDF: 9541.8/51

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 1.036+/-0.766 $\chi^2$/NDF: 10.8/1

Left Out: -11.823+/-0.070 $\chi^2$/NDF:17277.3/24

Right Out: 11.376+/-0.508 $\chi^2$/NDF: 644.3/1

Left In: -11.580+/-0.071 $\chi^2$/NDF:14243.6/22

Left: -11.703+/-0.050 $\chi^2$/NDF: 31526.7/47

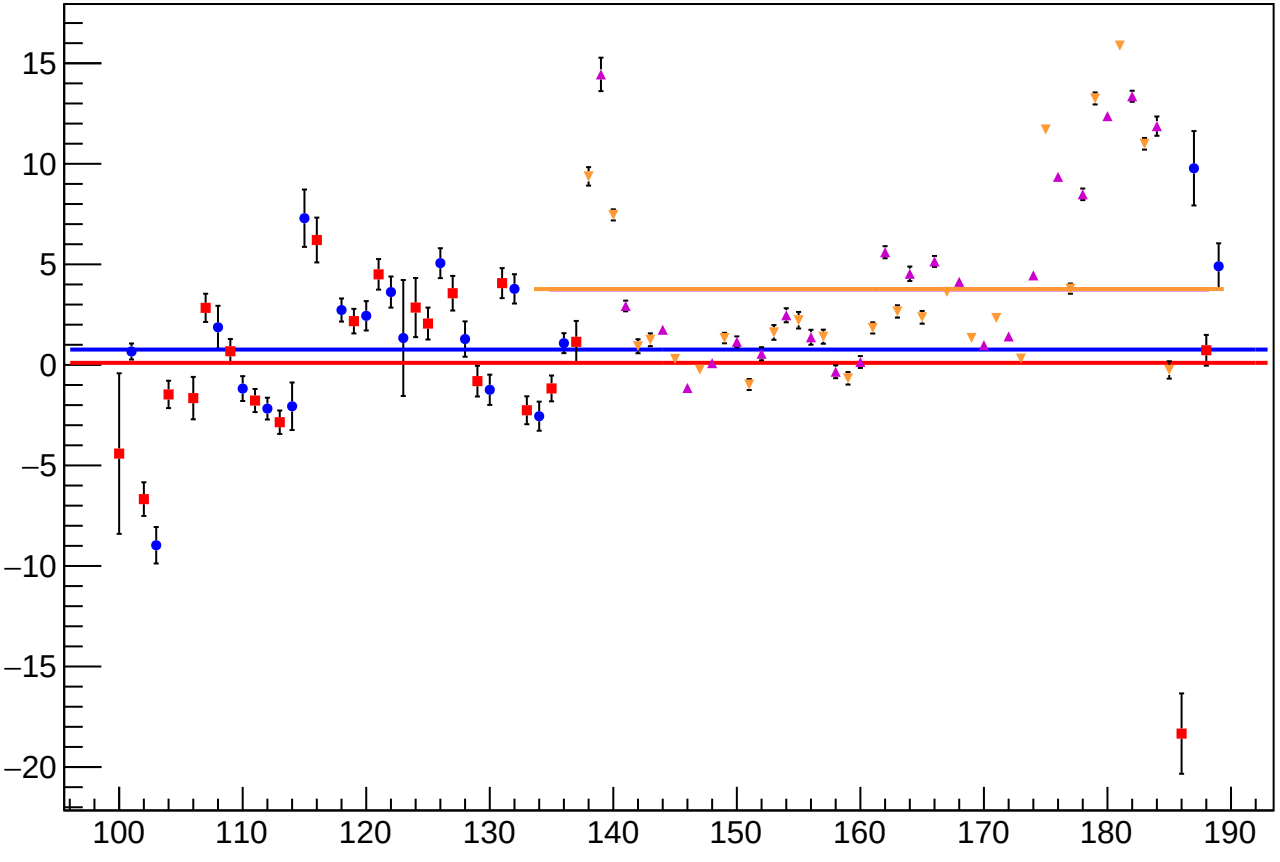
Right: 8.221+/-0.423 $\chi^2$/NDF: 781.7/3

In: -11.472+/-0.071 $\chi^2$/NDF:14523.2/24

Out: -11.385+/-0.070 $\chi^2$/NDF:19968.9/26

All: -11.428+/-0.050 $\chi^2$/NDF: 34492.9/51

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 0.762+/-0.166 $\chi^2$/NDF: 329.1/18

Left Out: 3.770+/-0.056 $\chi^2$/NDF:7420.4/24

Right Out: 0.101+/-0.170 $\chi^2$/NDF: 359.6/20

Left In: 3.755+/-0.056 $\chi^2$/NDF:5655.2/22

Left: 3.763+/-0.040 $\chi^2$/NDF: 13075.6/47

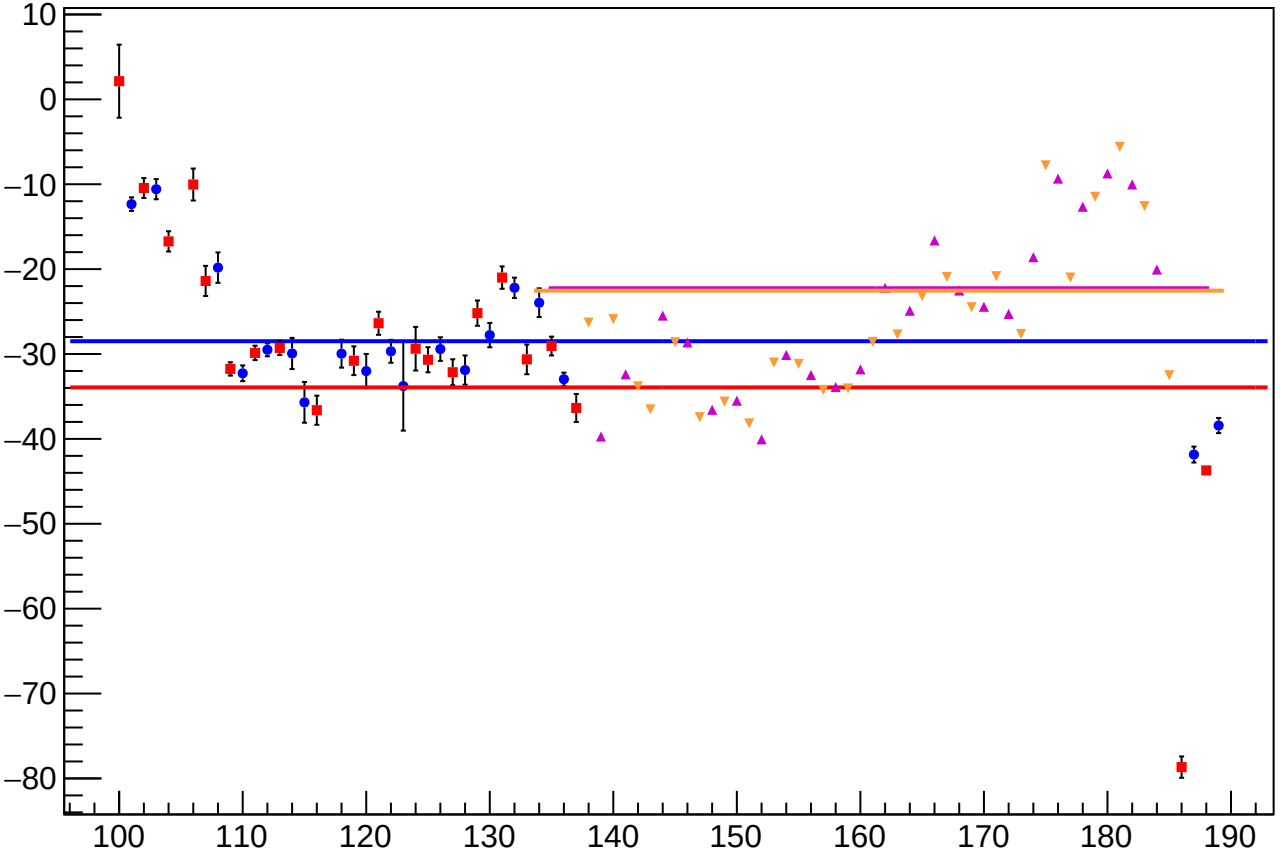
Right: 0.438+/-0.119 $\chi^2$/NDF: 696.5/39

In: 3.447+/-0.053 $\chi^2$/NDF:6274.2/41

Out: 3.414+/-0.053 $\chi^2$/NDF:8202.3/45

All: 3.430+/-0.038 $\chi^2$/NDF: 14476.7/87

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -28.493+/-0.272 $\chi^2$/NDF: 1087.9/18

Left Out: -22.540+/-0.071 $\chi^2$/NDF:19751.6/24

Right Out: -33.936+/-0.241 $\chi^2$/NDF: 2925.1/20

Left In: -22.258+/-0.071 $\chi^2$/NDF:17838.4/22

Left: -22.400+/-0.050 $\chi^2$/NDF: 37597.8/47

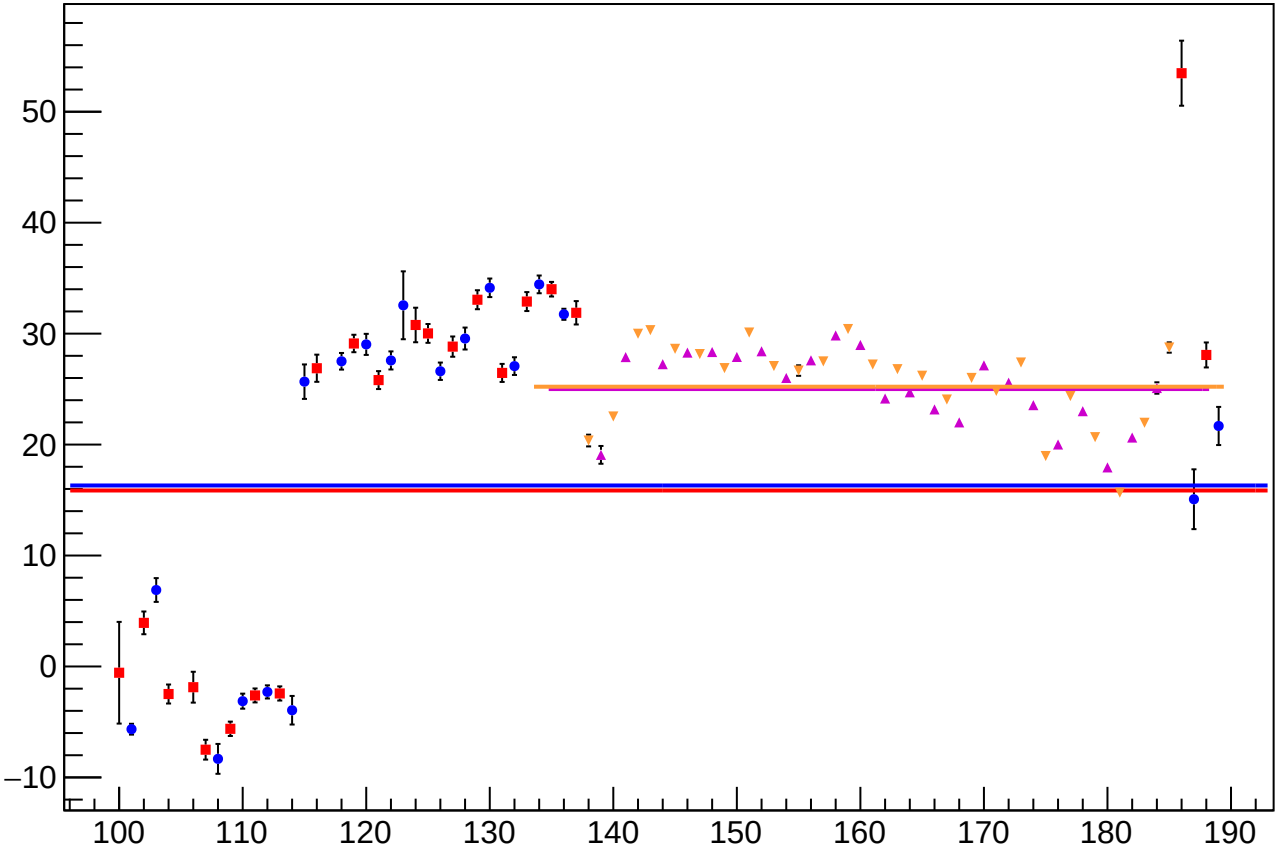
Right: -31.543+/-0.180 $\chi^2$/NDF: 4237.8/39

In: -22.660+/-0.069 $\chi^2$/NDF:19418.6/41

Out: -23.447+/-0.068 $\chi^2$/NDF:24739.4/45

All: -23.059+/-0.048 $\chi^2$/NDF: 44224.1/87

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 16.313+/-0.189 $\chi^2$/NDF: 7621.4/18

Left Out: 25.216+/-0.063 $\chi^2$/NDF:3738.3/24

Right Out: 15.862+/-0.194 $\chi^2$/NDF: 7570.0/20

Left In: 25.005+/-0.064 $\chi^2$/NDF:2733.7/22

Left: 25.112+/-0.045 $\chi^2$/NDF: 6477.5/47

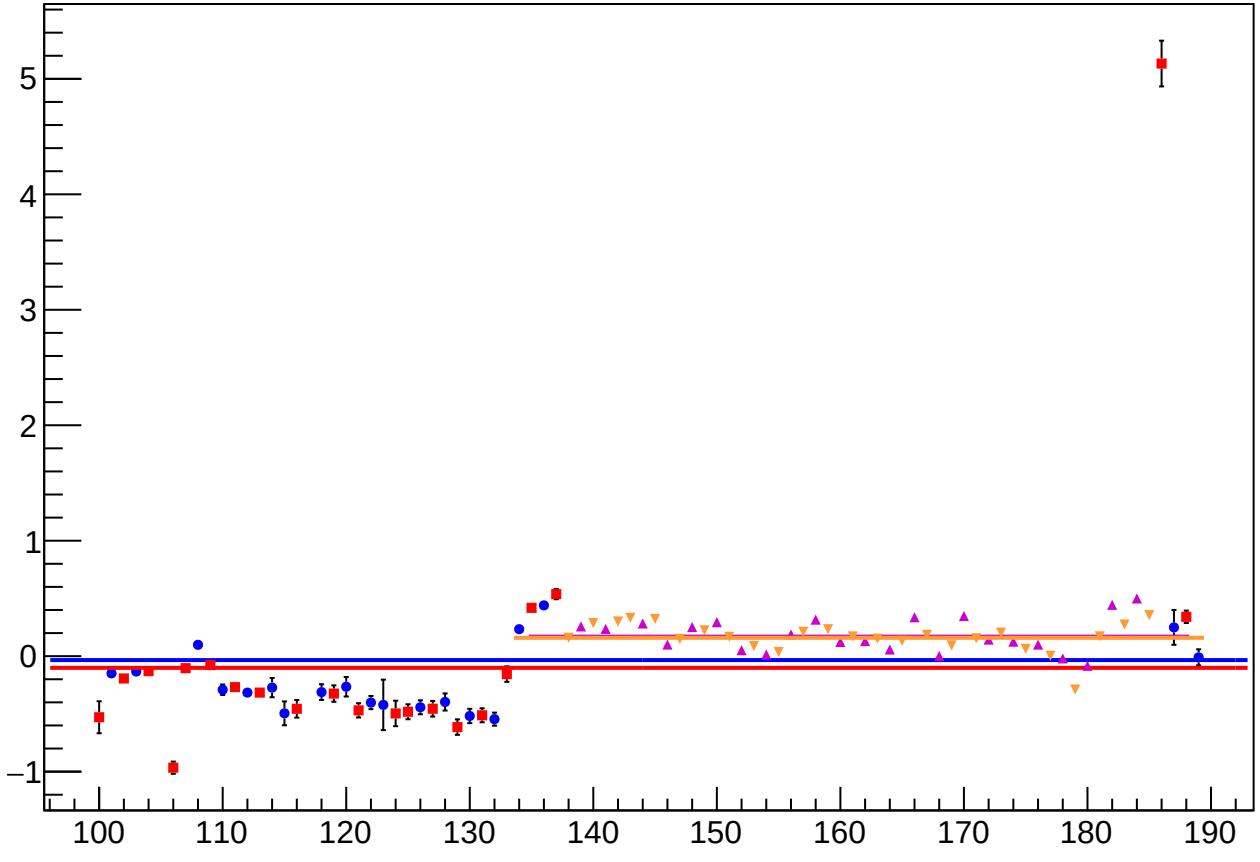
Right: 16.092+/-0.135 $\chi^2$/NDF: 15194.1/39

In: 24.124+/-0.060 $\chi^2$/NDF:12247.8/41

Out: 24.327+/-0.060 $\chi^2$/NDF:13420.6/45

All: 24.227+/-0.042 $\chi^2$/NDF: 25674.1/87

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.034+/-0.010 $\chi^2$/NDF: 1018.1/18

Left Out: 0.159+/-0.003 $\chi^2$/NDF:1856.8/24

Right Out: -0.101+/-0.010 $\chi^2$/NDF: 1945.9/20

Left In: 0.169+/-0.003 $\chi^2$/NDF:2430.7/22

Left: 0.164+/-0.002 $\chi^2$/NDF: 4293.8/47

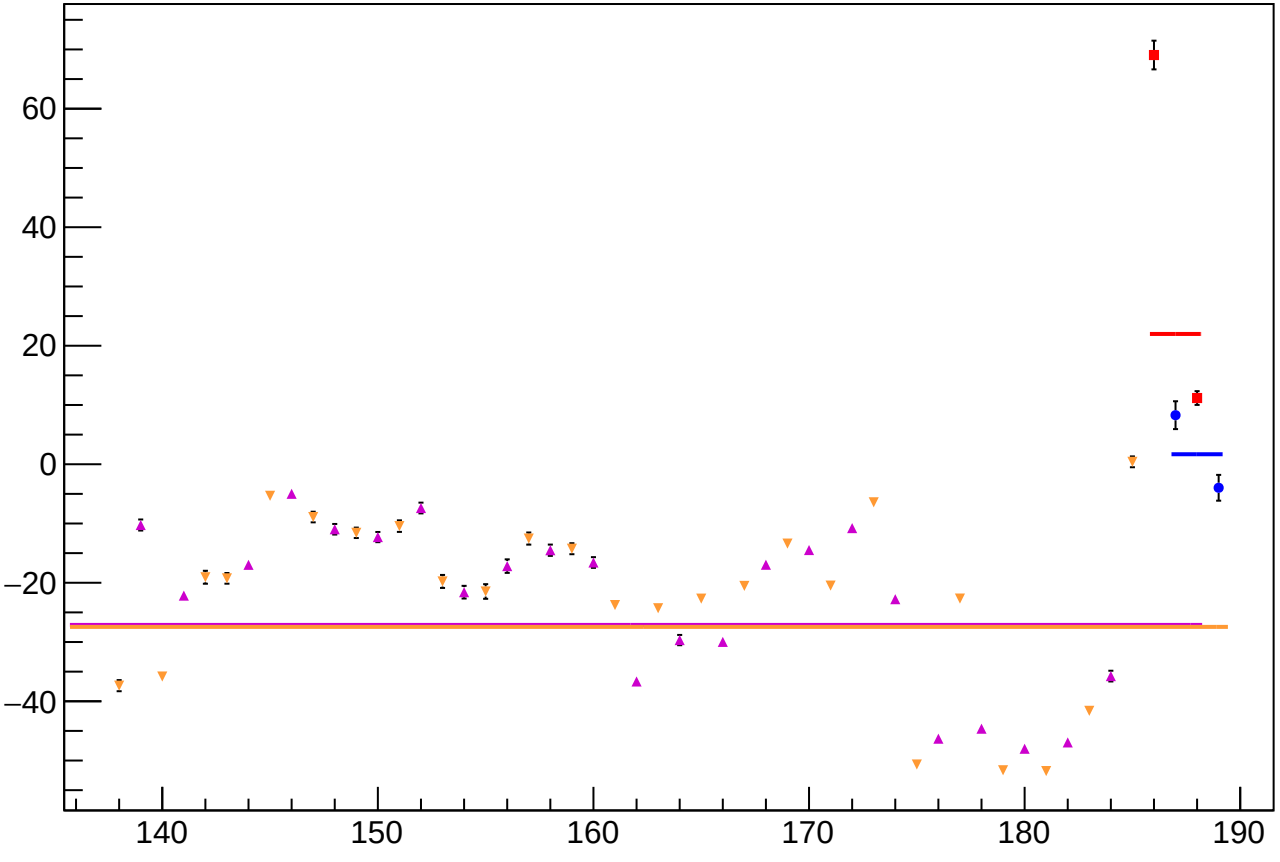
Right: -0.068+/-0.007 $\chi^2$/NDF: 2986.0/39

In: 0.154+/-0.003 $\chi^2$/NDF:3816.9/41

Out: 0.140+/-0.003 $\chi^2$/NDF:4409.8/45

All: 0.147+/-0.002 $\chi^2$/NDF: 8239.6/87

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 1.687+/-1.598 $\chi^2$/NDF: 14.6/1

Left Out: -27.447+/-0.137 $\chi^2$/NDF:14820.6/24

Right Out: 21.987+/-1.047 $\chi^2$/NDF: 464.3/1

Left In: -27.114+/-0.139 $\chi^2$/NDF:11443.8/22

Left: -27.283+/-0.097 $\chi^2$/NDF: 26267.3/47

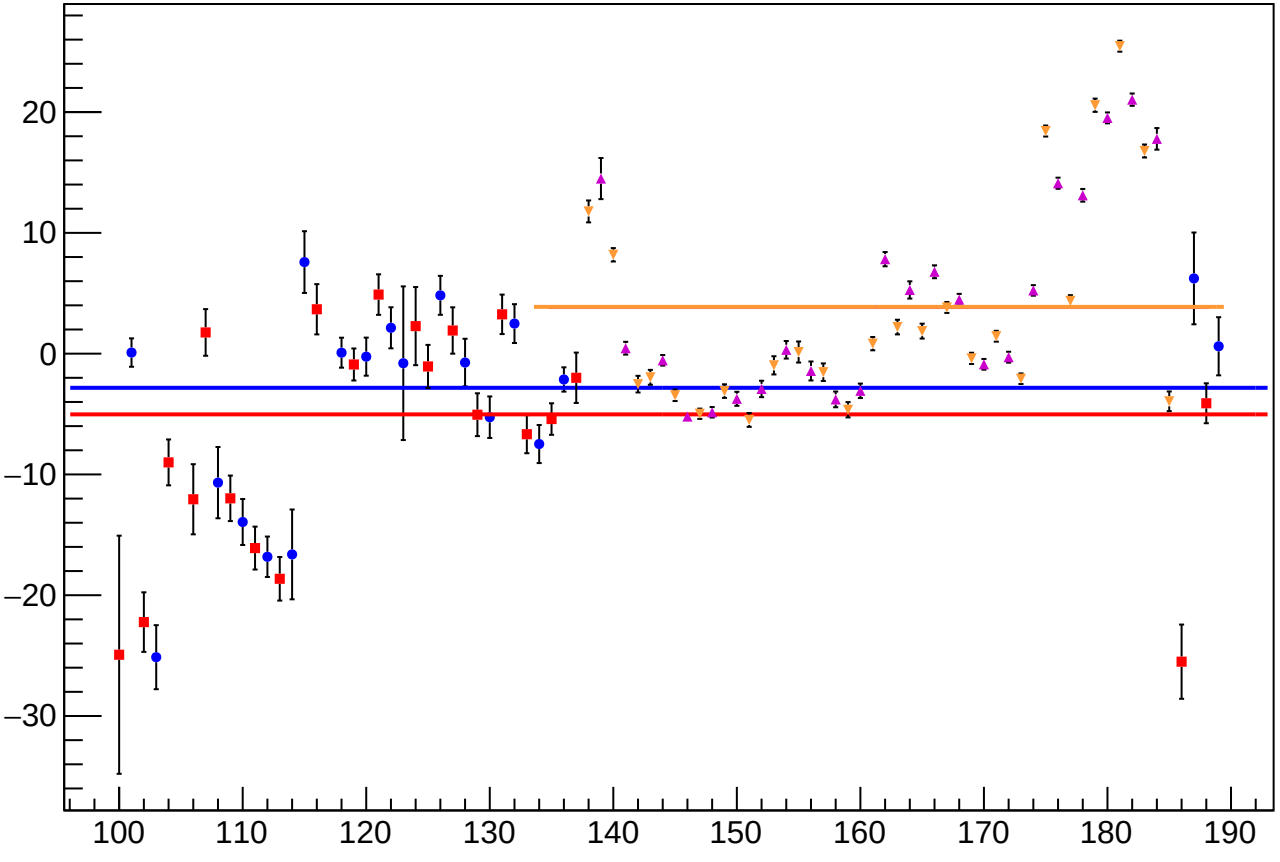
Right: 15.888+/-0.876 $\chi^2$/NDF: 591.8/3

In: -26.899+/-0.138 $\chi^2$/NDF:11781.0/24

Out: -26.614+/-0.136 $\chi^2$/NDF:17476.7/26

All: -26.754+/-0.097 $\chi^2$/NDF: 29259.8/51

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -2.827+/-0.400 $\chi^2$/NDF: 288.8/18

Left Out: 3.873+/-0.109 $\chi^2$/NDF:6906.0/24

Right Out: -5.027+/-0.409 $\chi^2$/NDF: 343.6/20

Left In: 3.861+/-0.111 $\chi^2$/NDF:5438.4/22

Left: 3.867+/-0.078 $\chi^2$/NDF: 12344.4/47

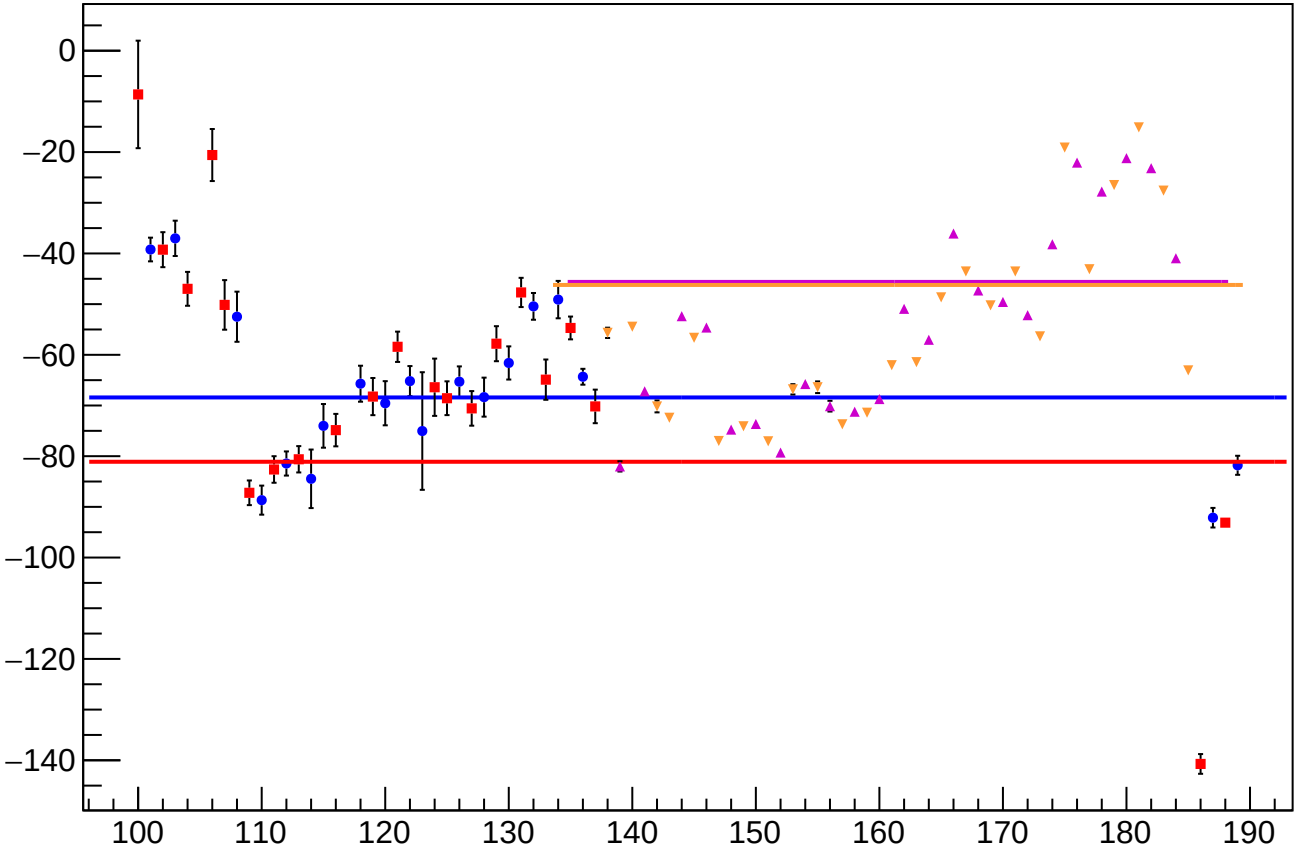
Right: -3.900+/-0.286 $\chi^2$/NDF: 647.1/39

In: 3.383+/-0.107 $\chi^2$/NDF:5987.3/41

Out: 3.279+/-0.106 $\chi^2$/NDF:7690.6/45

All: 3.331+/-0.075 $\chi^2$/NDF: 13678.4/87

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -68.411+/-0.647 $\chi^2$/NDF: 626.3/18

Left Out: -46.213+/-0.138 $\chi^2$/NDF:19981.0/24

Right Out: -81.101+/-0.561 $\chi^2$/NDF: 2034.4/20

Left In: -45.616+/-0.139 $\chi^2$/NDF:17743.8/22

Left: -45.917+/-0.098 $\chi^2$/NDF: 37734.0/47

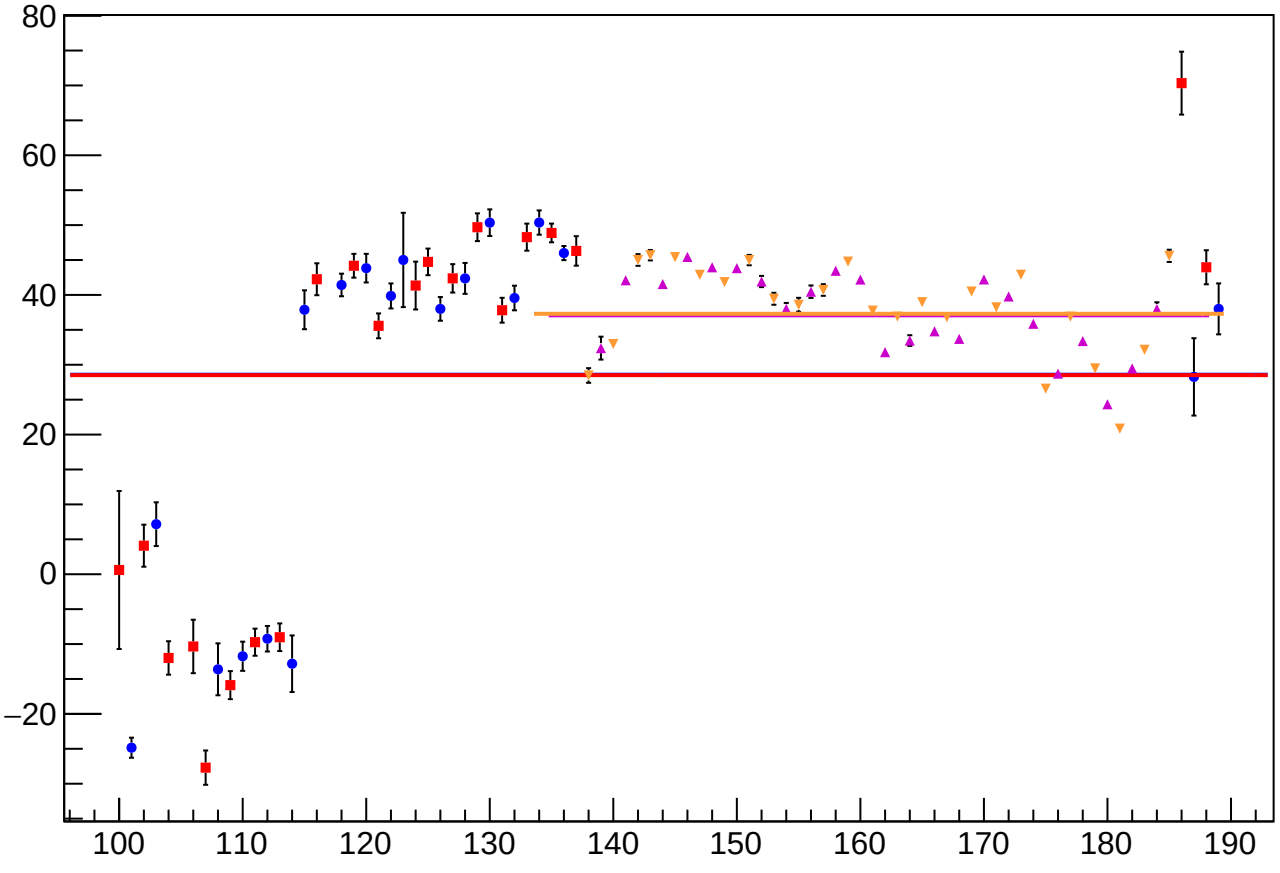
Right: -75.654+/-0.424 $\chi^2$/NDF: 2880.2/39

In: -46.624+/-0.136 $\chi^2$/NDF:19555.8/41

Out: -48.206+/-0.134 $\chi^2$/NDF:25659.2/45

All: -47.426+/-0.096 $\chi^2$/NDF: 45283.6/87

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 28.571+/-0.452 $\chi^2$/NDF: 3337.1/18

Left Out: 37.298+/-0.123 $\chi^2$/NDF:3113.0/24

Right Out: 28.509+/-0.467 $\chi^2$/NDF: 3164.3/20

Left In: 37.079+/-0.125 $\chi^2$/NDF:2405.4/22

Left: 37.190+/-0.088 $\chi^2$/NDF: 5519.9/47

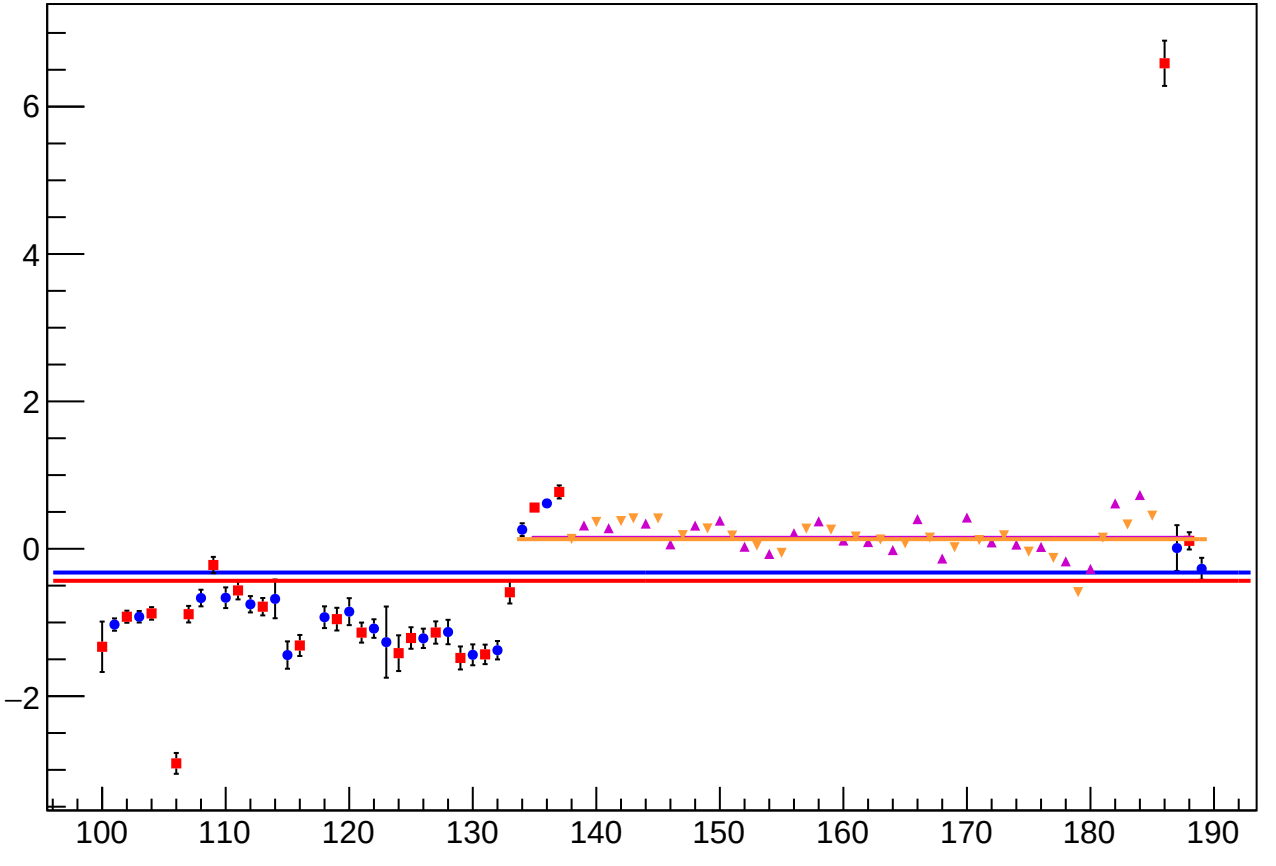
Right: 28.541+/-0.325 $\chi^2$/NDF: 6501.4/39

In: 36.478+/-0.120 $\chi^2$/NDF:6071.7/41

Out: 36.727+/-0.119 $\chi^2$/NDF:6608.3/45

All: 36.604+/-0.085 $\chi^2$/NDF: 12682.2/87

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.322+/-0.024 $\chi^2$/NDF: 1014.3/18

Left Out: 0.130+/-0.006 $\chi^2$/NDF:1419.7/24

Right Out: -0.435+/-0.025 $\chi^2$/NDF: 1722.6/20

Left In: 0.149+/-0.006 $\chi^2$/NDF:1813.7/22

Left: 0.139+/-0.004 $\chi^2$/NDF: 3238.6/47

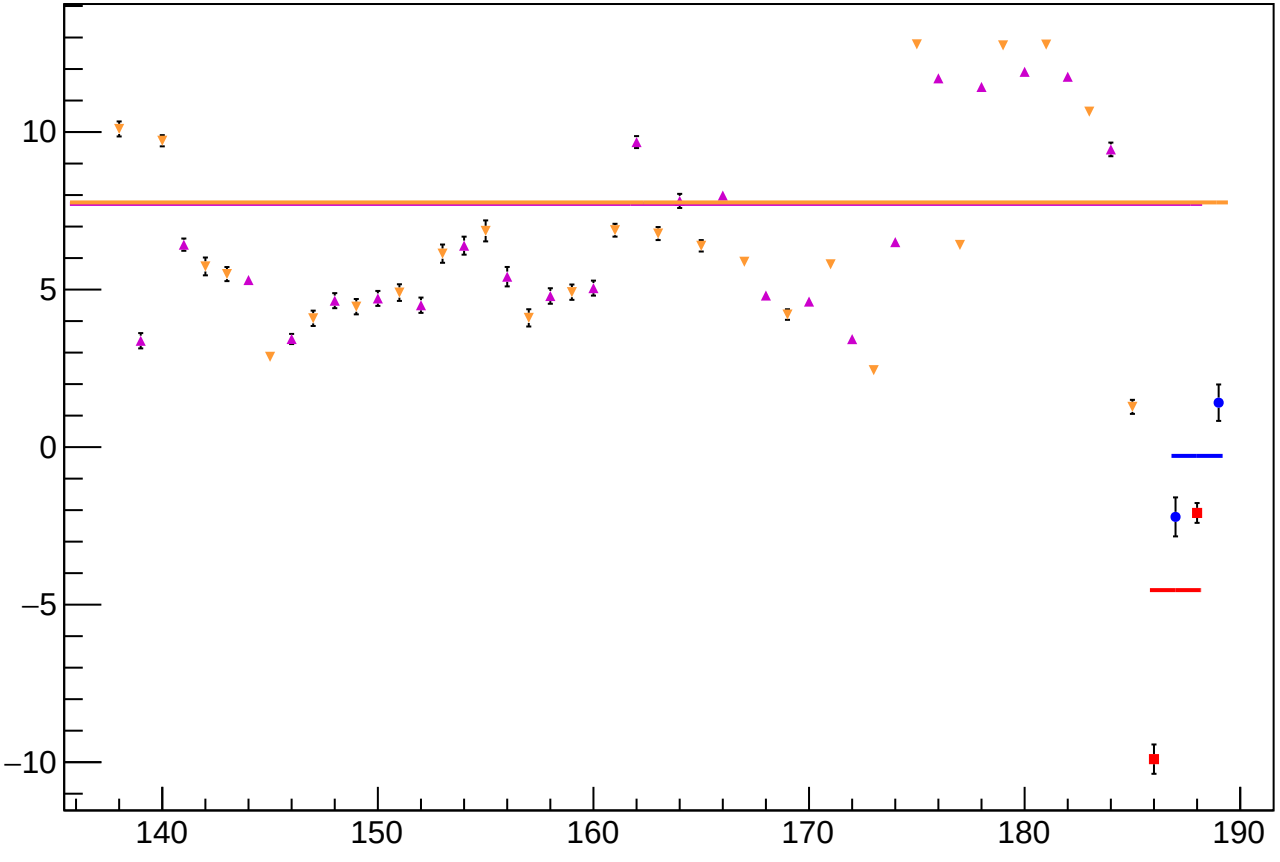
Right: -0.377+/-0.017 $\chi^2$/NDF: 2747.1/39

In: 0.124+/-0.006 $\chi^2$/NDF:3179.1/41

Out: 0.103+/-0.006 $\chi^2$/NDF:3627.7/45

All: 0.114+/-0.004 $\chi^2$/NDF: 6814.3/87

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -0.278+/-0.422 $\chi^2$/NDF: 18.3/1

Left Out: 7.766+/-0.034 $\chi^2$/NDF:11703.8/24

Right Out: -4.539+/-0.261 $\chi^2$/NDF: 193.4/1

Left In: 7.719+/-0.035 $\chi^2$/NDF:8490.5/22

Left: 7.743+/-0.025 $\chi^2$/NDF: 20195.2/47

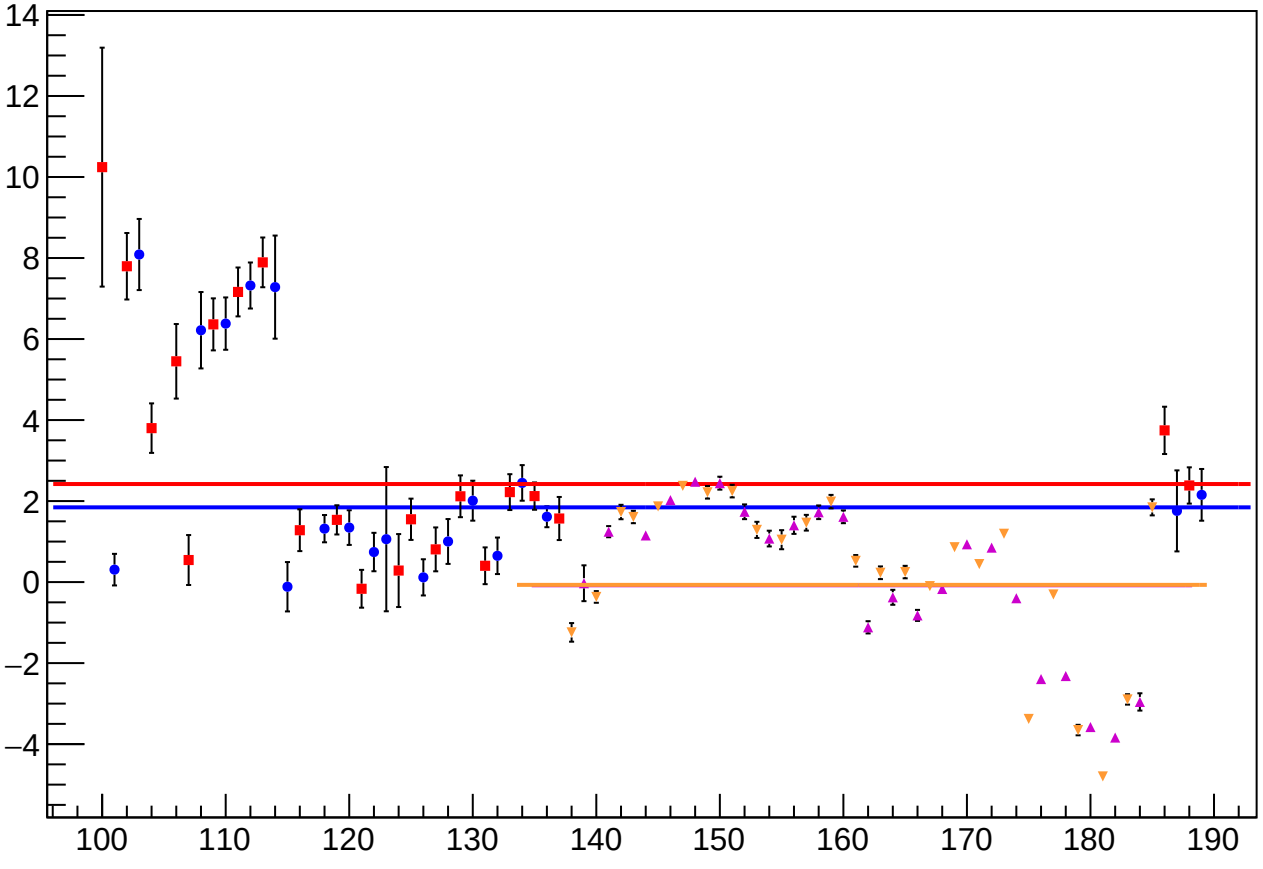
Right: -3.364+/-0.222 $\chi^2$/NDF: 285.3/3

In: 7.665+/-0.035 $\chi^2$/NDF:8864.8/24

Out: 7.555+/-0.034 $\chi^2$/NDF:14087.2/26

All: 7.609+/-0.024 $\chi^2$/NDF: 22957.0/51

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 1.845+/-0.113 $\chi^2$/NDF: 295.1/18

Left Out: -0.069+/-0.028 $\chi^2$/NDF:6033.5/24

Right Out: 2.421+/-0.116 $\chi^2$/NDF: 341.8/20

Left In: -0.079+/-0.028 $\chi^2$/NDF:4989.1/22

Left: -0.074+/-0.020 $\chi^2$/NDF: 11022.7/47

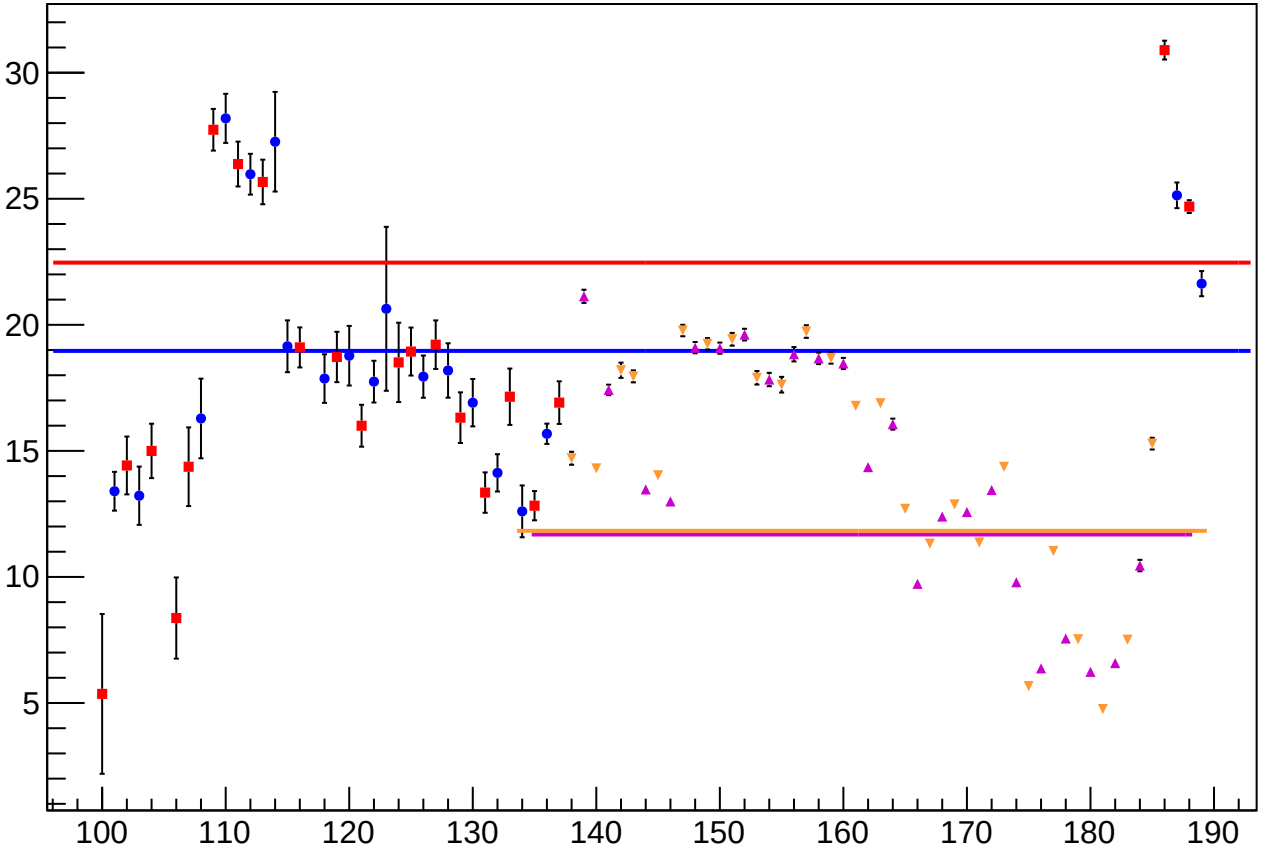
Right: 2.127+/-0.081 $\chi^2$/NDF: 649.5/39

In: 0.033+/-0.027 $\chi^2$/NDF:5555.1/41

Out: 0.067+/-0.027 $\chi^2$/NDF:6811.3/45

All: 0.050+/-0.019 $\chi^2$/NDF: 12367.2/87

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 18.966+/-0.182 $\chi^2$/NDF: 595.9/18

Left Out: 11.830+/-0.035 $\chi^2$/NDF:19032.5/24

Right Out: 22.467+/-0.152 $\chi^2$/NDF: 1520.3/20

Left In: 11.683+/-0.035 $\chi^2$/NDF:16927.3/22

Left: 11.757+/-0.025 $\chi^2$/NDF: 35968.6/47

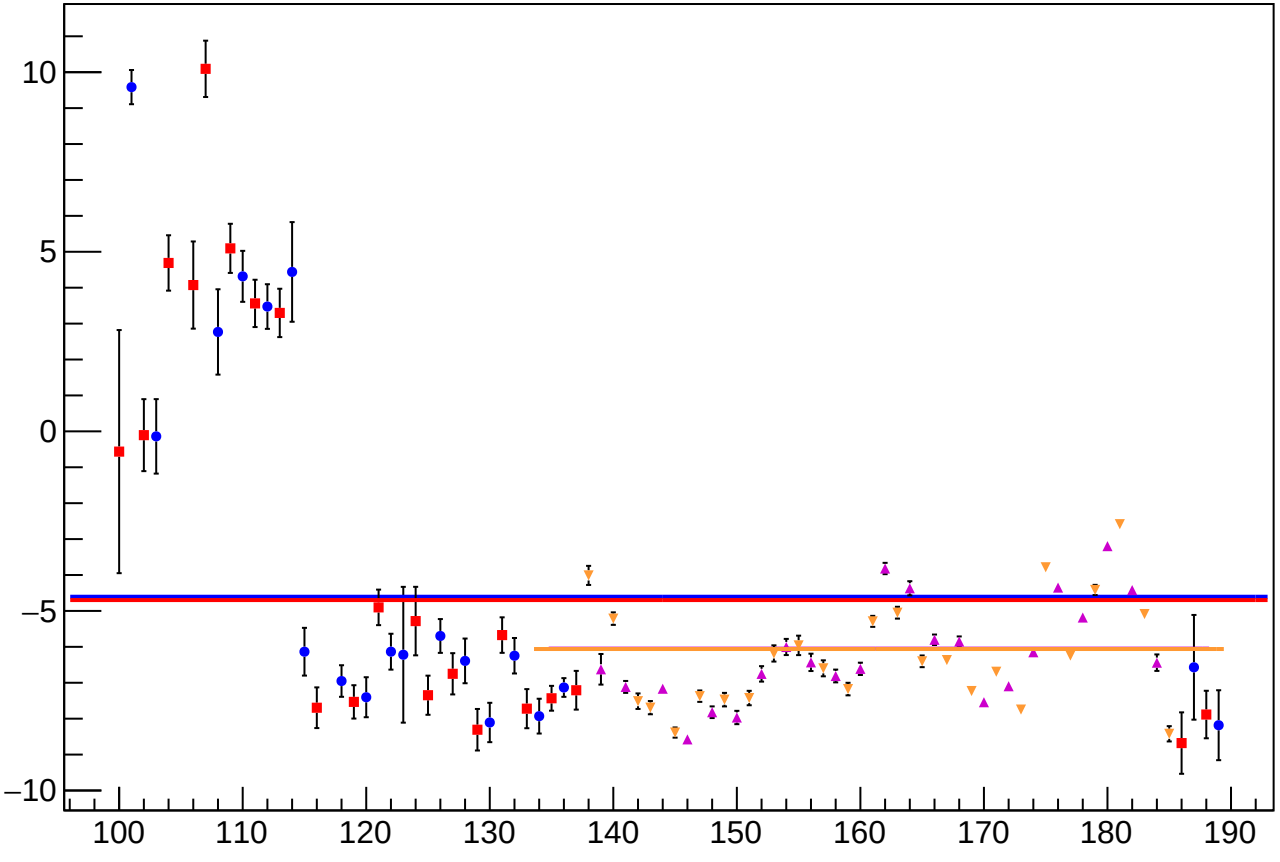
Right: 21.034+/-0.116 $\chi^2$/NDF: 2334.7/39

In: 11.944+/-0.034 $\chi^2$/NDF:19066.4/41

Out: 12.360+/-0.034 $\chi^2$/NDF:25233.1/45

All: 12.155+/-0.024 $\chi^2$/NDF: 44374.0/87

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -4.605+/-0.128 $\chi^2$/NDF: 1605.9/18

Left Out: -6.061+/-0.031 $\chi^2$/NDF:2649.3/24

Right Out: -4.698+/-0.132 $\chi^2$/NDF: 1386.8/20

Left In: -6.050+/-0.032 $\chi^2$/NDF:2303.3/22

Left: -6.055+/-0.022 $\chi^2$/NDF: 4952.7/47

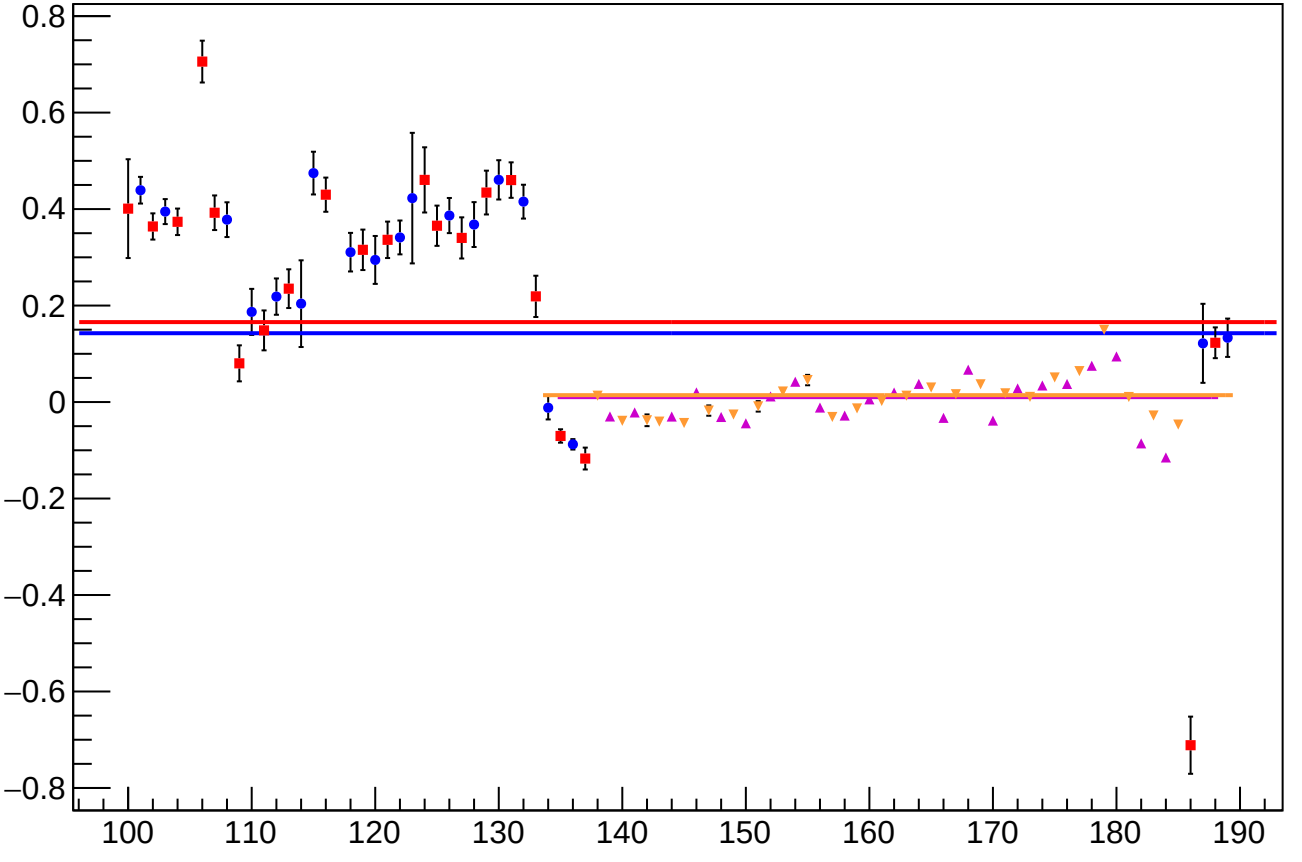
Right: -4.650+/-0.092 $\chi^2$/NDF: 2992.9/39

In: -5.967+/-0.031 $\chi^2$/NDF:4029.5/41

Out: -5.989+/-0.030 $\chi^2$/NDF:4136.4/45

All: -5.978+/-0.022 $\chi^2$/NDF: 8166.1/87

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.143+/-0.007 $\chi^2$/NDF: 1060.5/18

Left Out: 0.014+/-0.001 $\chi^2$/NDF:950.9/24

Right Out: 0.166+/-0.007 $\chi^2$/NDF: 1233.4/20

Left In: 0.010+/-0.001 $\chi^2$/NDF:1224.5/22

Left: 0.012+/-0.001 $\chi^2$/NDF: 2179.5/47

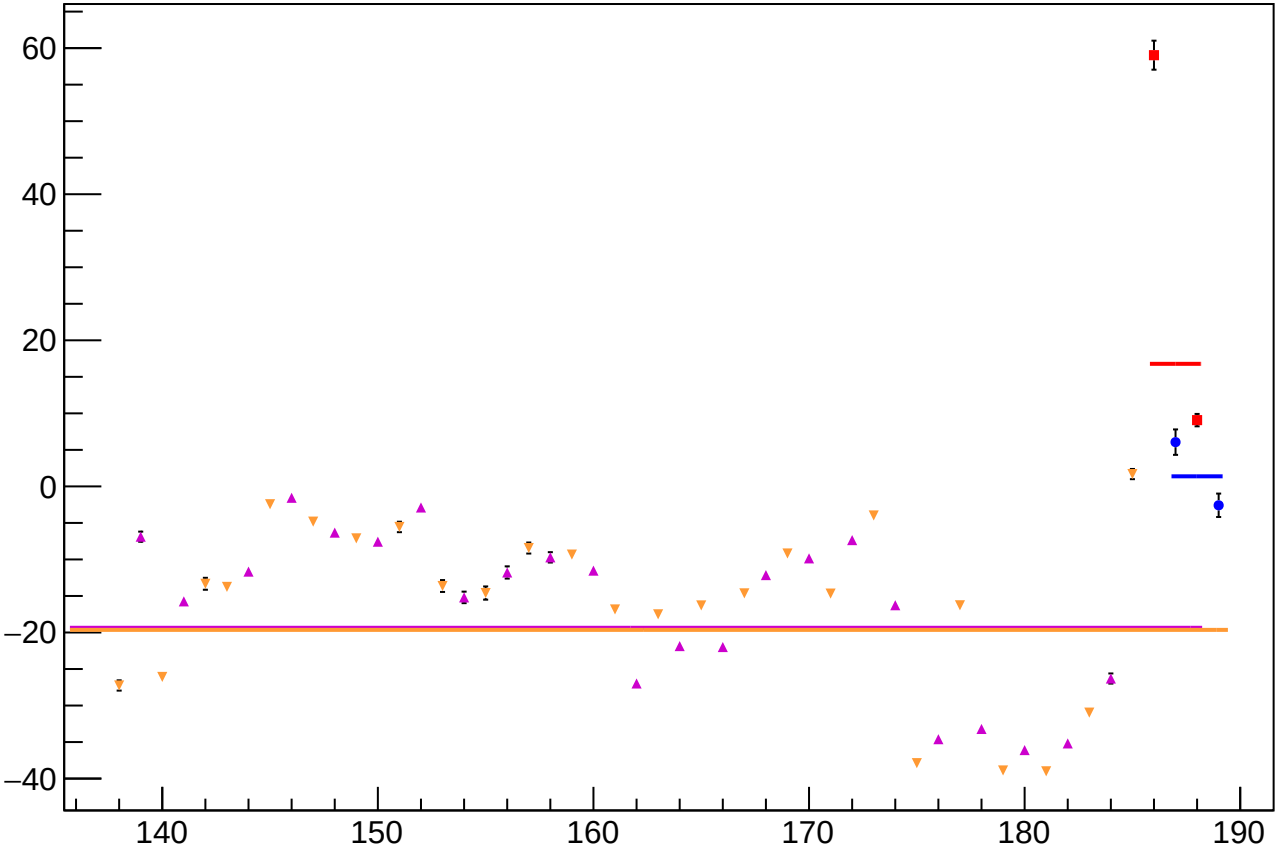
Right: 0.154+/-0.005 $\chi^2$/NDF: 2299.2/39

In: 0.016+/-0.001 $\chi^2$/NDF:2636.5/41

Out: 0.020+/-0.001 $\chi^2$/NDF:2616.5/45

All: 0.018+/-0.001 $\chi^2$/NDF: 5257.9/87

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 1.380+/-1.180 $\chi^2$/NDF: 13.3/1

Left Out: -19.642+/-0.103 $\chi^2$/NDF:15730.6/24

Right Out: 16.780+/-0.780 $\chi^2$/NDF: 535.4/1

Left In: -19.355+/-0.105 $\chi^2$/NDF:12417.1/22

Left: -19.501+/-0.074 $\chi^2$/NDF: 28151.5/47

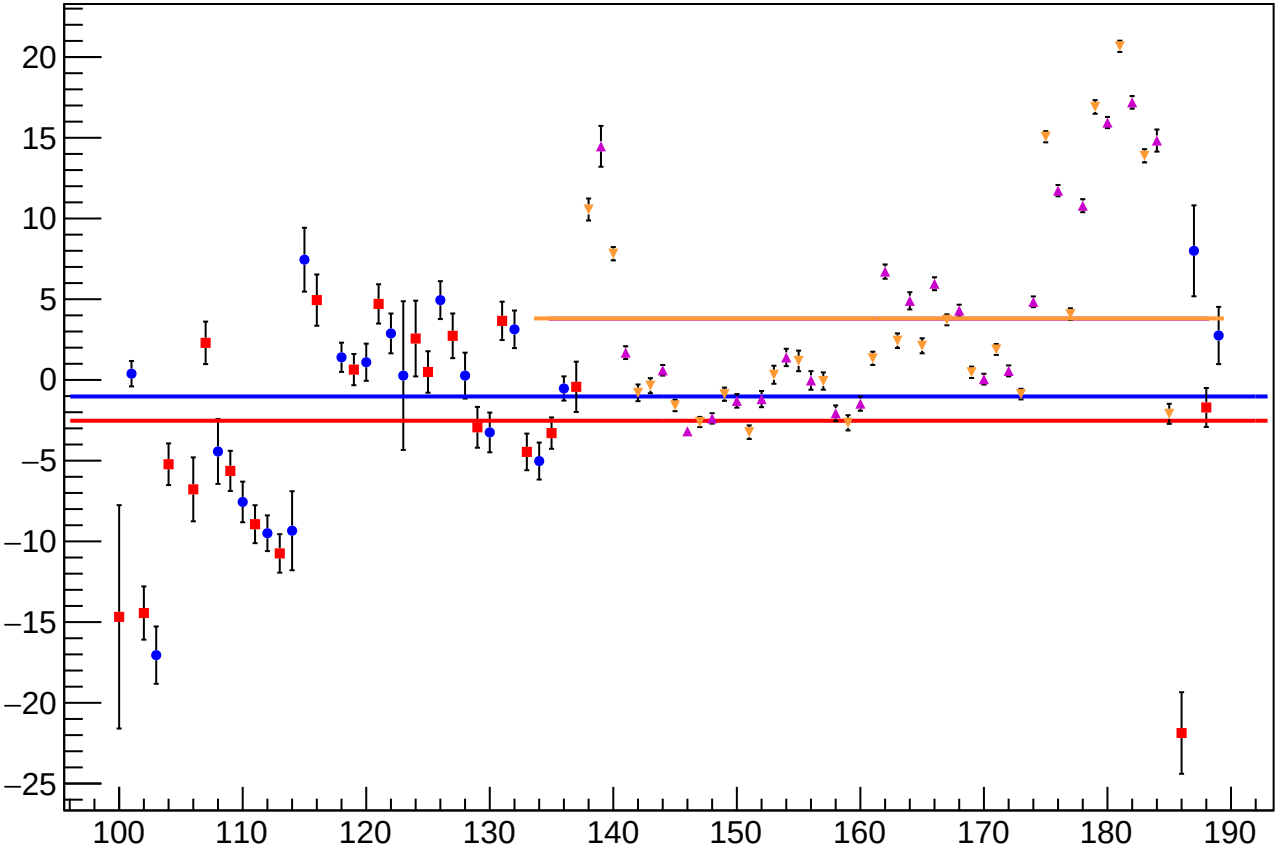
Right: 12.096+/-0.651 $\chi^2$/NDF: 667.3/3

In: -19.194+/-0.104 $\chi^2$/NDF:12737.0/24

Out: -19.014+/-0.102 $\chi^2$/NDF:18409.5/26

All: -19.102+/-0.073 $\chi^2$/NDF: 31148.0/51

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -1.023+/-0.285 $\chi^2$/NDF: 293.9/18

Left Out: 3.811+/-0.082 $\chi^2$/NDF:7118.3/24

Right Out: -2.528+/-0.291 $\chi^2$/NDF: 345.9/20

Left In: 3.795+/-0.083 $\chi^2$/NDF:5534.4/22

Left: 3.803+/-0.059 $\chi^2$/NDF: 12652.7/47

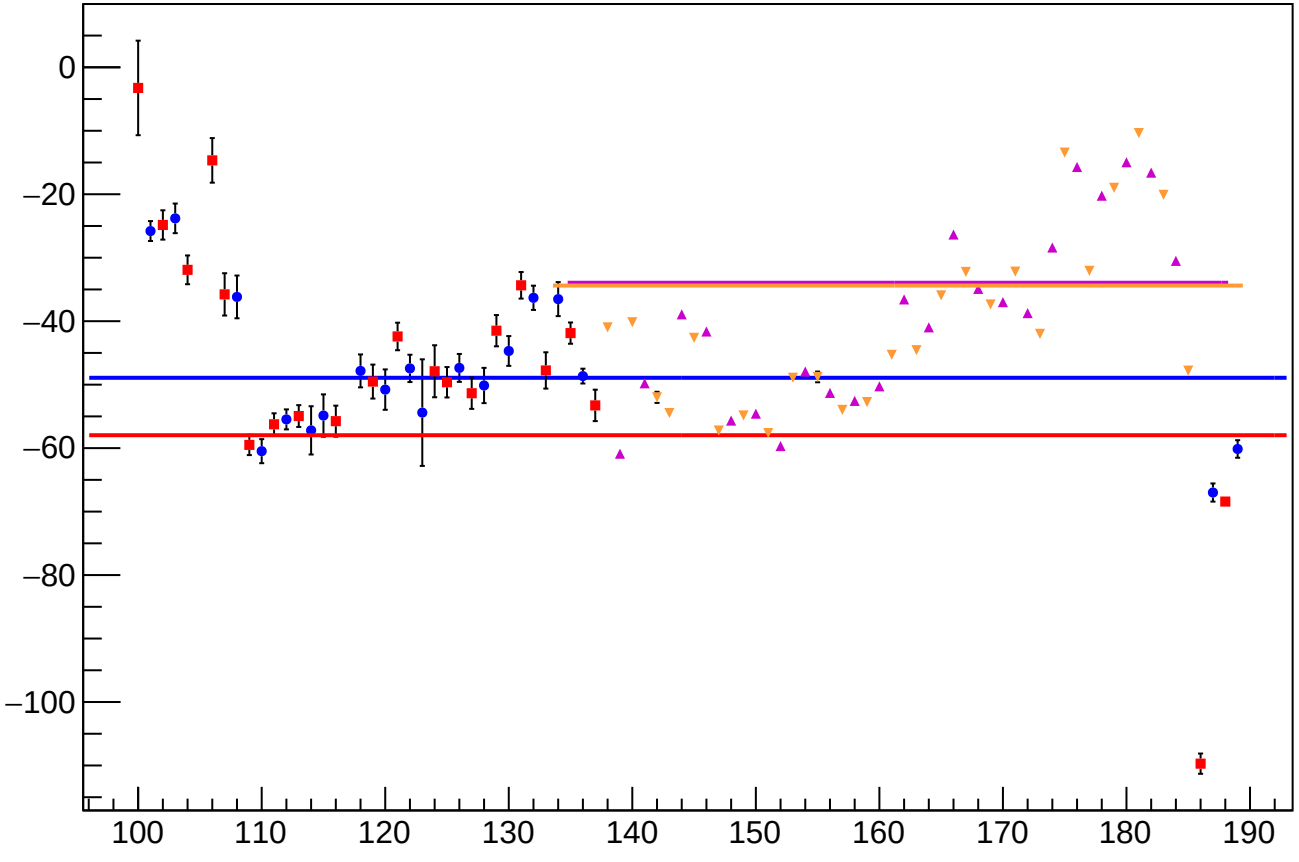
Right: -1.758+/-0.204 $\chi^2$/NDF: 653.4/39

In: 3.415+/-0.080 $\chi^2$/NDF:6092.1/41

Out: 3.343+/-0.079 $\chi^2$/NDF:7902.3/45

All: 3.379+/-0.056 $\chi^2$/NDF: 13994.9/87

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -48.918+/-0.463 $\chi^2$/NDF: 705.3/18

Left Out: -34.389+/-0.104 $\chi^2$/NDF:20032.2/24

Right Out: -57.967+/-0.405 $\chi^2$/NDF: 2245.7/20

Left In: -33.946+/-0.105 $\chi^2$/NDF:17855.4/22

Left: -34.169+/-0.074 $\chi^2$/NDF: 37896.7/47

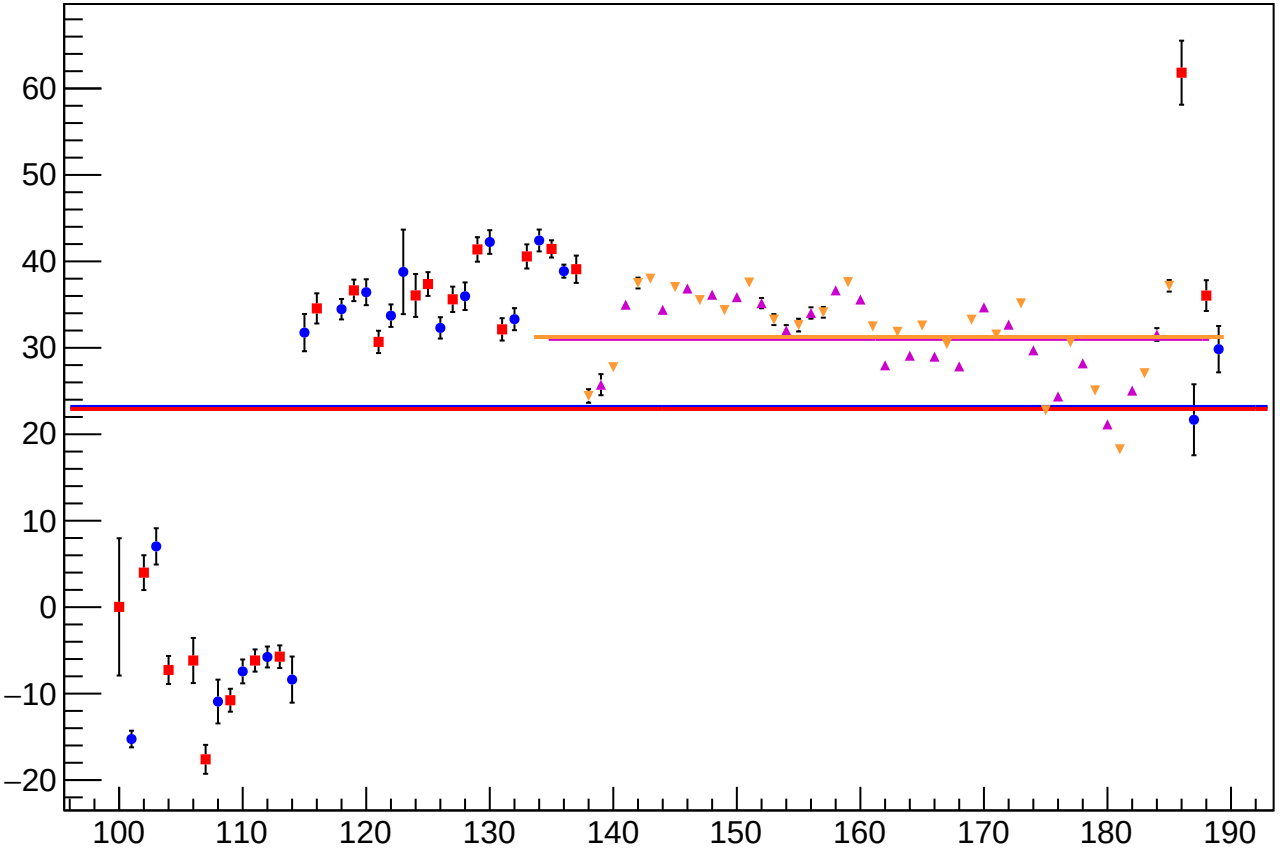
Right: -54.045+/-0.305 $\chi^2$/NDF: 3167.9/39

In: -34.678+/-0.102 $\chi^2$/NDF:19557.1/41

Out: -35.854+/-0.101 $\chi^2$/NDF:25464.1/45

All: -35.274+/-0.072 $\chi^2$/NDF: 45088.3/87

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 23.163+/-0.323 $\chi^2$/NDF: 4352.4/18

Left Out: 31.252+/-0.093 $\chi^2$/NDF:3305.3/24

Right Out: 22.928+/-0.332 $\chi^2$/NDF: 4204.6/20

Left In: 31.040+/-0.094 $\chi^2$/NDF:2488.6/22

Left: 31.147+/-0.066 $\chi^2$/NDF: 5796.5/47

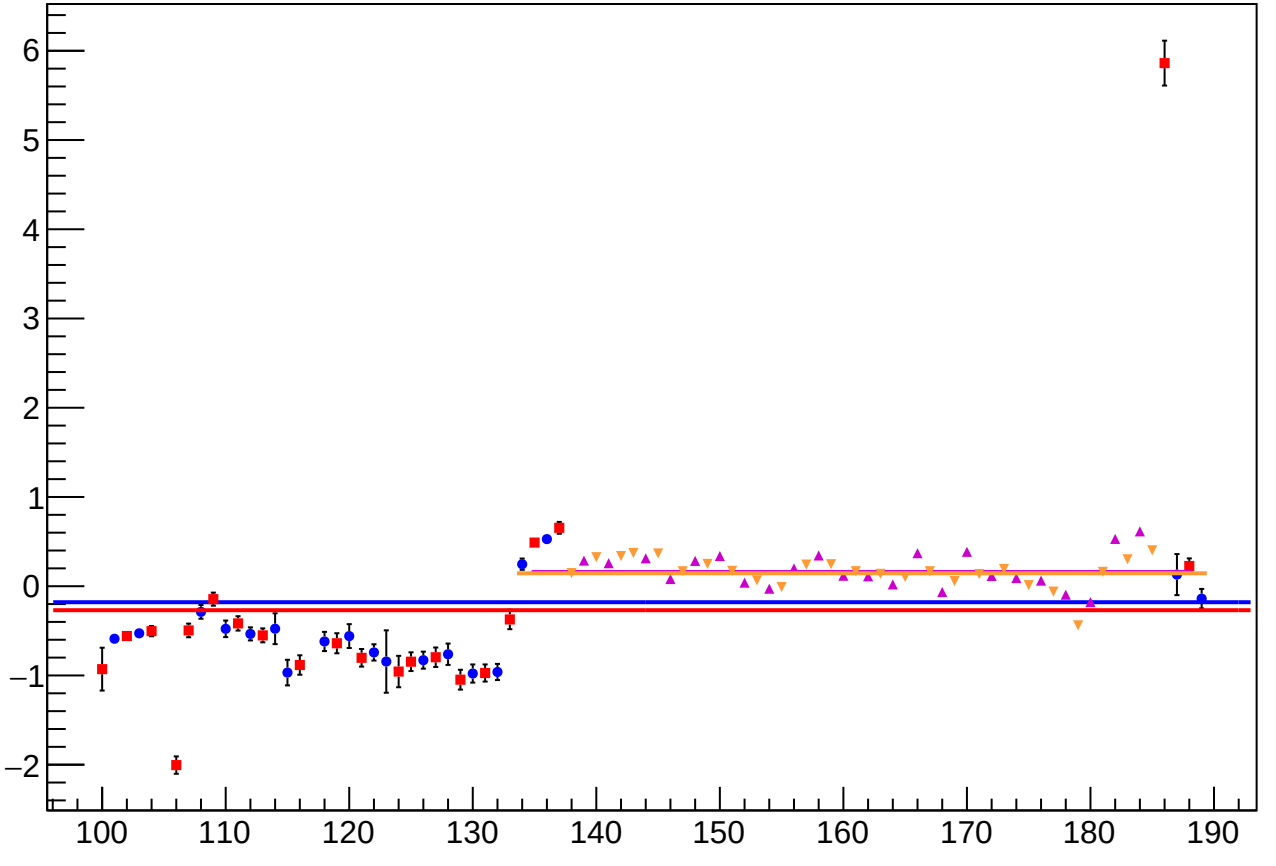
Right: 23.049+/-0.232 $\chi^2$/NDF: 8557.3/39

In: 30.425+/-0.090 $\chi^2$/NDF:7390.7/41

Out: 30.654+/-0.089 $\chi^2$/NDF:8091.6/45

All: 30.541+/-0.063 $\chi^2$/NDF: 15485.5/87

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -0.179+/-0.017 $\chi^2$/NDF: 1000.1/18

Left Out: 0.145+/-0.004 $\chi^2$/NDF:1572.6/24

Right Out: -0.269+/-0.018 $\chi^2$/NDF: 1821.6/20

Left In: 0.159+/-0.004 $\chi^2$/NDF:2020.5/22

Left: 0.152+/-0.003 $\chi^2$/NDF: 3598.6/47

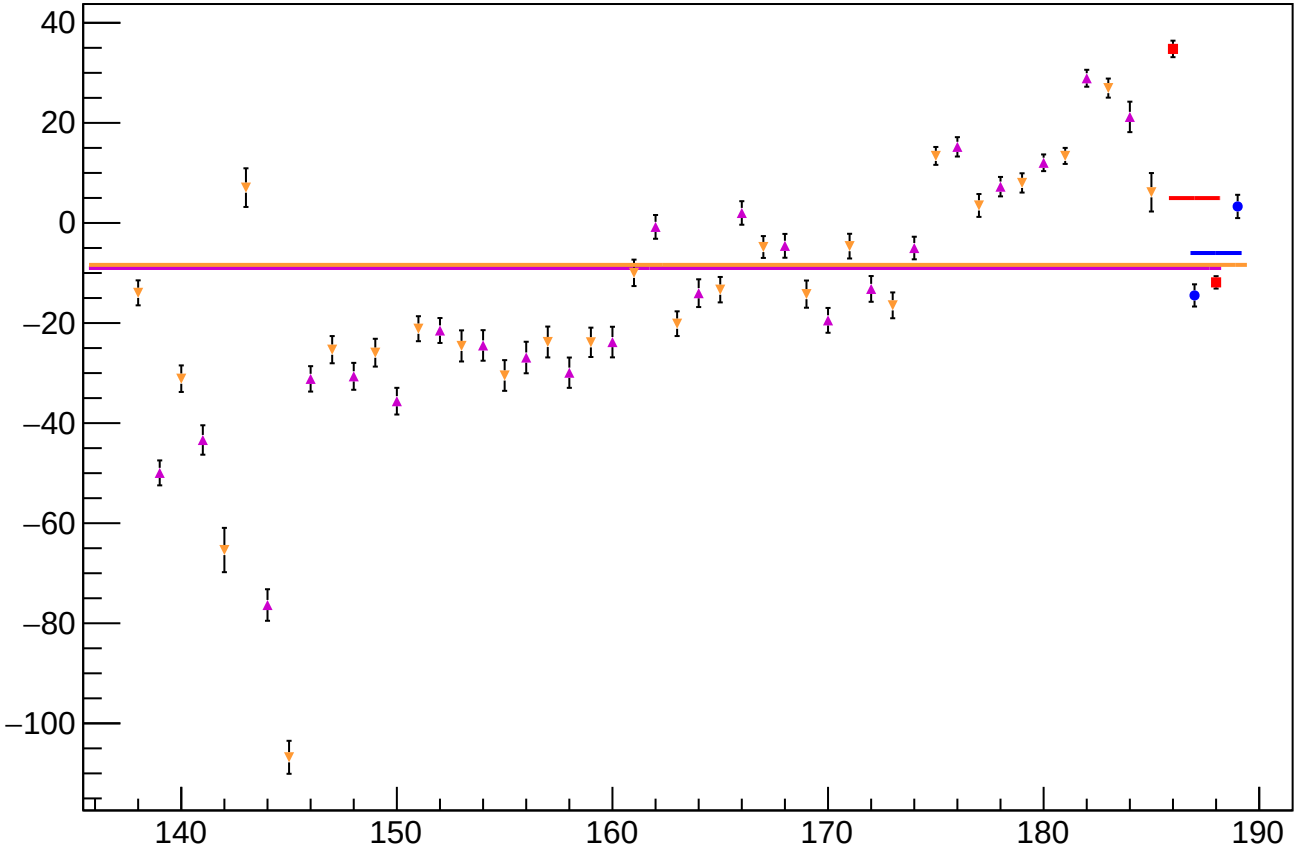
Right: -0.223+/-0.012 $\chi^2$/NDF: 2834.6/39

In: 0.140+/-0.004 $\chi^2$/NDF:3375.3/41

Out: 0.122+/-0.004 $\chi^2$/NDF:3909.7/45

All: 0.131+/-0.003 $\chi^2$/NDF: 7293.6/87

# reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -6.004+/-1.606 $\chi^2$/NDF: 30.6/1

Left Out: -8.375+/-0.500 $\chi^2$/NDF:2224.0/24

Right Out: 4.974+/-0.990 $\chi^2$/NDF: 512.2/1

Left In: -8.995+/-0.505 $\chi^2$/NDF:2308.2/22

Left: -8.682+/-0.355 $\chi^2$/NDF: 4533.0/47

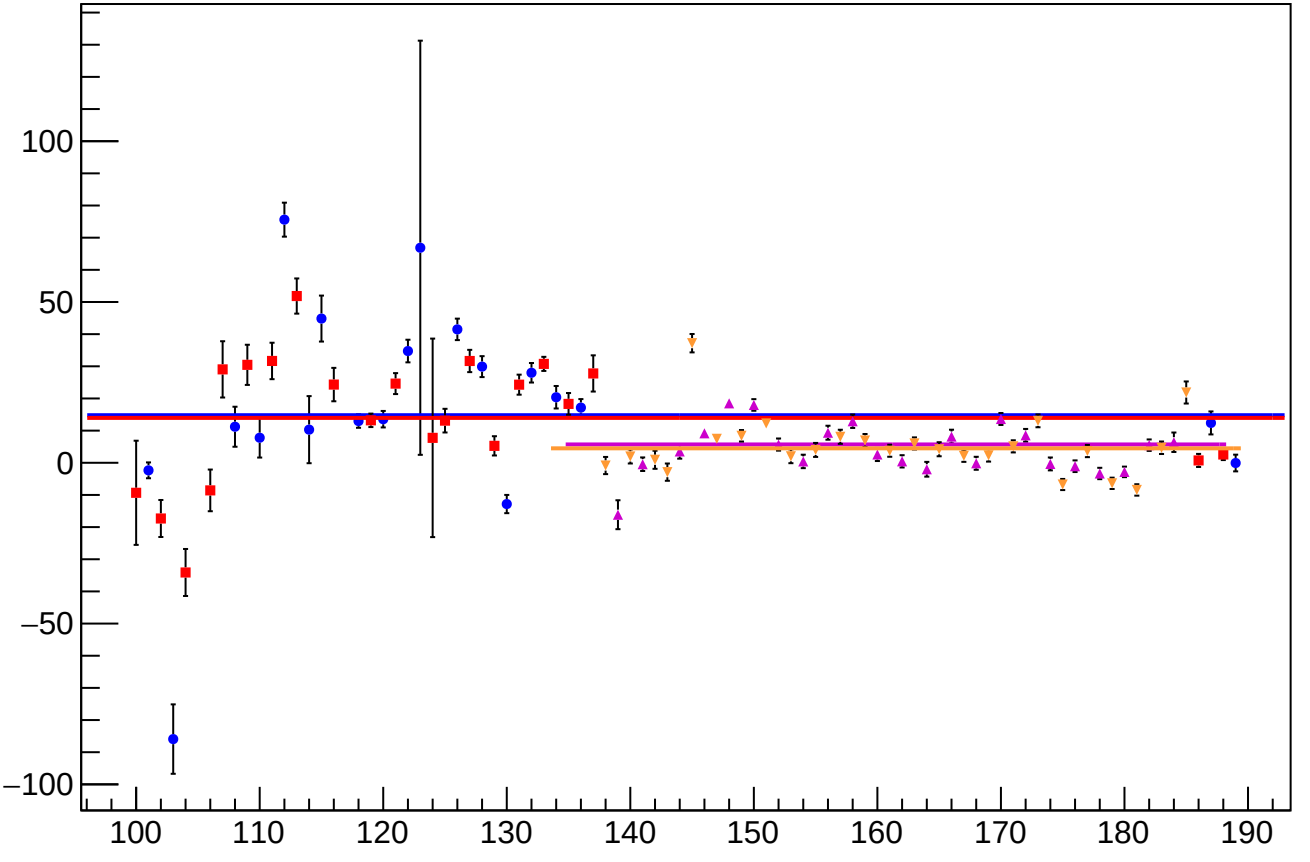
Right: 1.950+/-0.843 $\chi^2$/NDF: 576.7/3

In: -8.726+/-0.482 $\chi^2$/NDF:2341.9/24

Out: -5.660+/-0.447 $\chi^2$/NDF:2881.0/26

All: -7.077+/-0.328 $\chi^2$/NDF: 5244.8/51

# reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 14.795+/-0.786 $\chi^2$/NDF: 557.0/18

Left Out: 4.494+/-0.393 $\chi^2$/NDF:372.1/24

Right Out: 13.961+/-0.742 $\chi^2$/NDF: 366.9/20

Left In: 5.699+/-0.403 $\chi^2$/NDF:329.1/22

Left: 5.081+/-0.281 $\chi^2$/NDF: 705.8/47

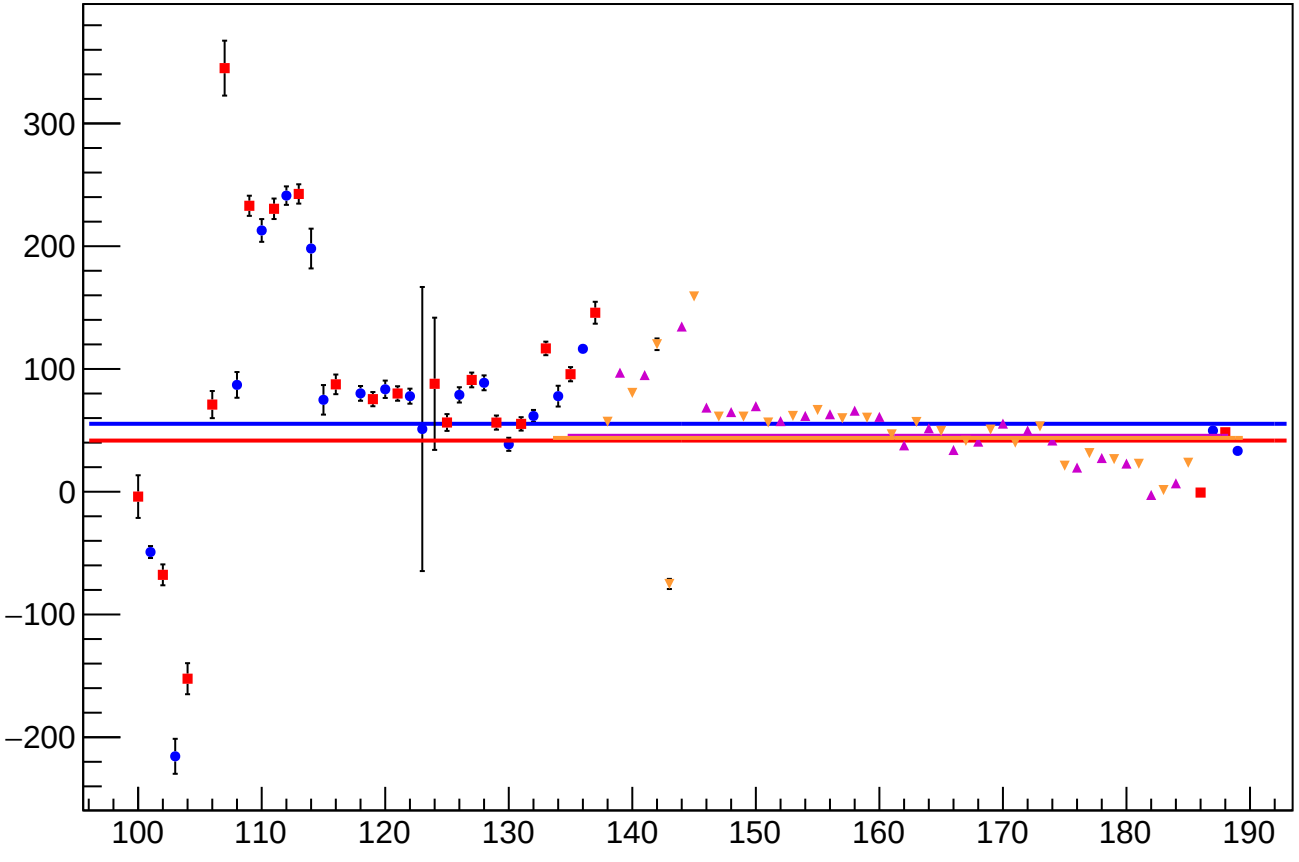
Right: 14.354+/-0.540 $\chi^2$/NDF: 924.5/39

In: 7.594+/-0.359 $\chi^2$/NDF:992.1/41

Out: 6.564+/-0.347 $\chi^2$/NDF:866.1/45

All: 7.062+/-0.249 $\chi^2$/NDF: 1862.5/87

# reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 55.341+/-1.036 $\chi^2$/NDF: 2278.6/18

Left Out: 43.840+/-0.499 $\chi^2$/NDF:3680.9/24

Right Out: 41.676+/-0.721 $\chi^2$/NDF: 3986.4/20

Left In: 45.559+/-0.502 $\chi^2$/NDF:3152.4/22

Left: 44.693+/-0.354 $\chi^2$/NDF: 6839.2/47

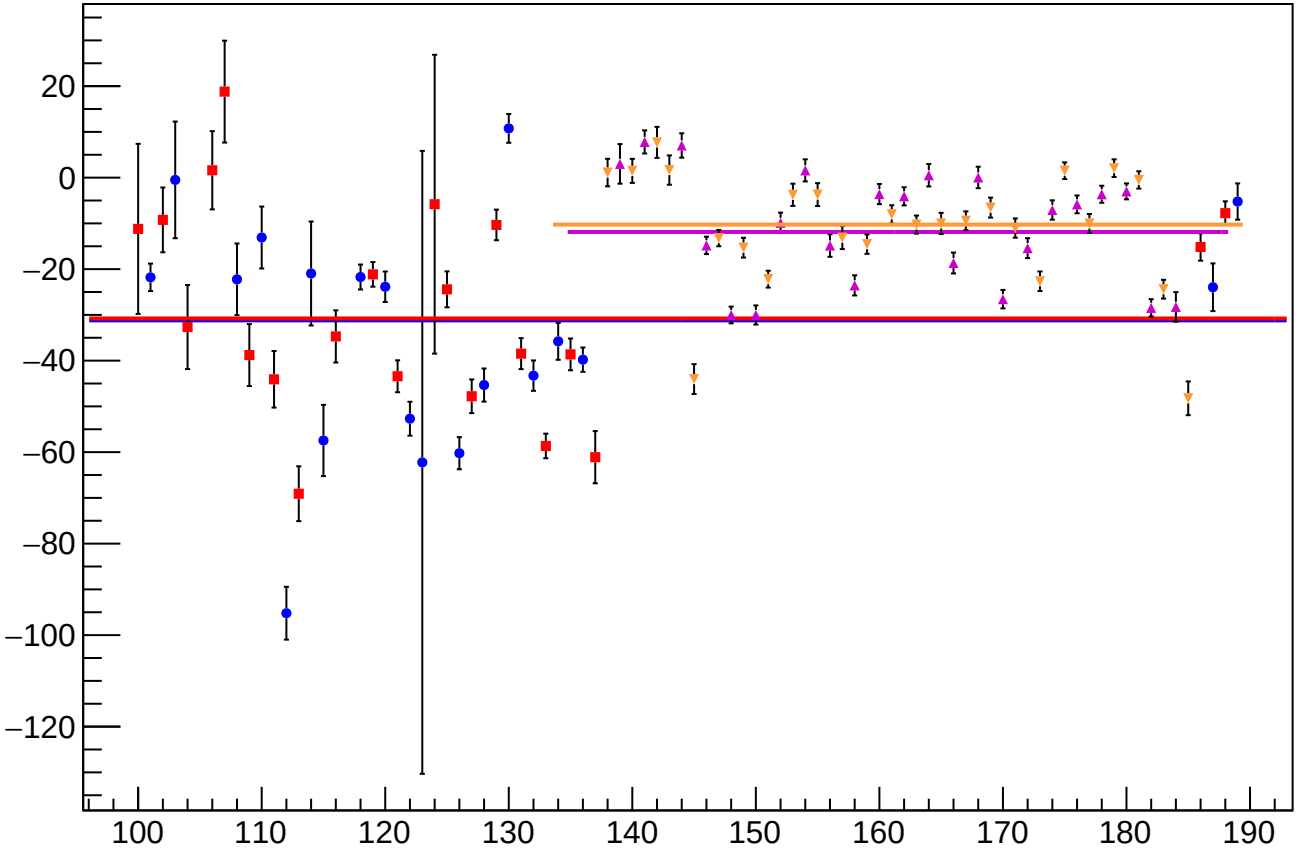
Right: 46.136+/-0.592 $\chi^2$/NDF: 6382.1/39

In: 47.422+/-0.452 $\chi^2$/NDF:5503.2/41

Out: 43.139+/-0.410 $\chi^2$/NDF:7673.3/45

All: 45.074+/-0.304 $\chi^2$/NDF: 13225.7/87

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -31.192+/-0.929 $\chi^2$/NDF: 541.4/18

Left Out: -10.267+/-0.445 $\chi^2$/NDF:553.7/24

Right Out: -30.787+/-0.908 $\chi^2$/NDF: 432.5/20

Left In: -11.875+/-0.455 $\chi^2$/NDF:668.4/22

Left: -11.053+/-0.318 $\chi^2$/NDF: 1228.5/47

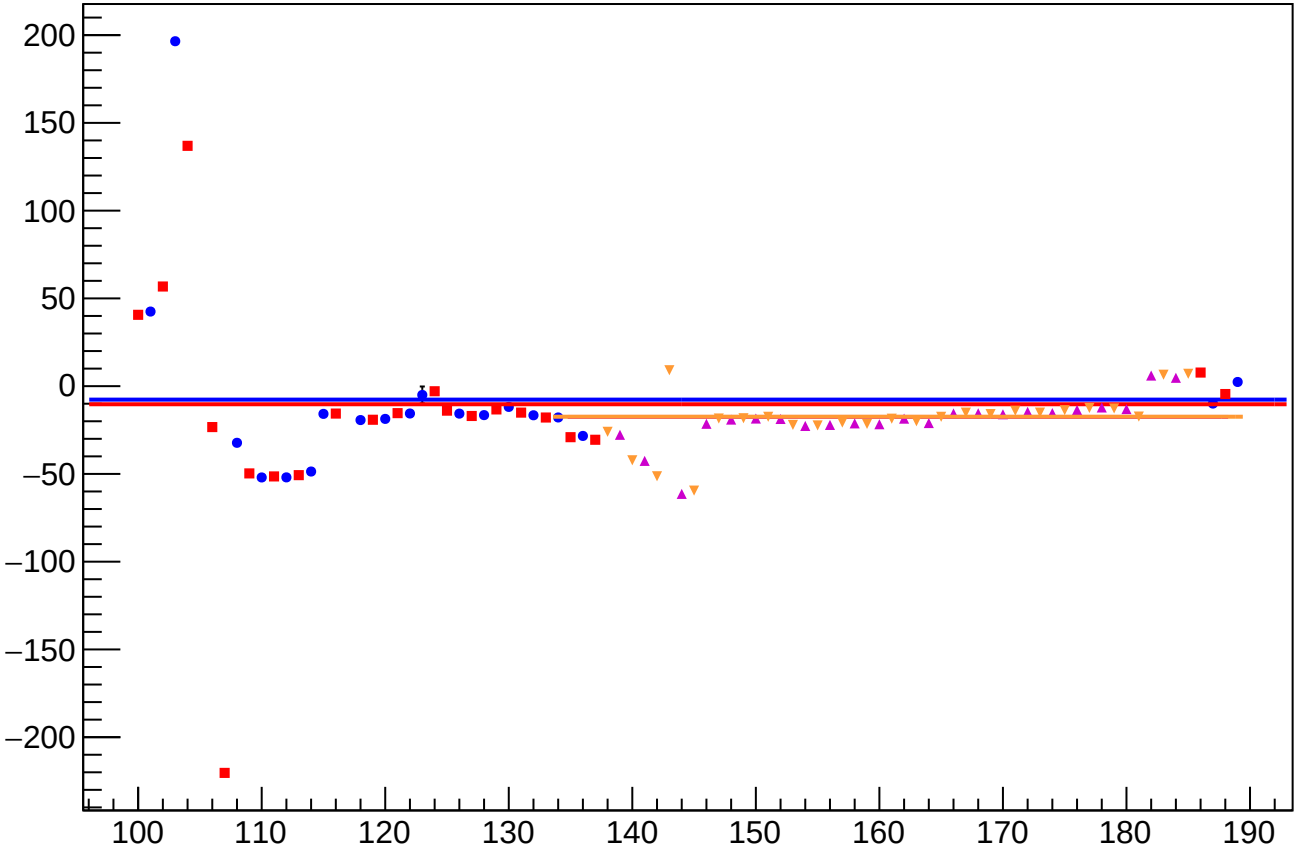
Right: -30.985+/-0.649 $\chi^2$/NDF: 974.0/39

In: -15.611+/-0.408 $\chi^2$/NDF:1558.8/41

Out: -14.242+/-0.400 $\chi^2$/NDF:1398.1/45

All: -14.911+/-0.286 $\chi^2$/NDF: 2962.7/87

# reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -7.668+/-0.055 $\chi^2$/NDF: 579820.9/18

Left Out: -17.411+/-0.020 $\chi^2$/NDF:320231.3/24

Right Out: -10.310+/-0.054 $\chi^2$/NDF: 569959.0/20

Left In: -17.552+/-0.021 $\chi^2$/NDF:261900.3/22

Left: -17.481+/-0.015 $\chi^2$/NDF: 582155.3/47

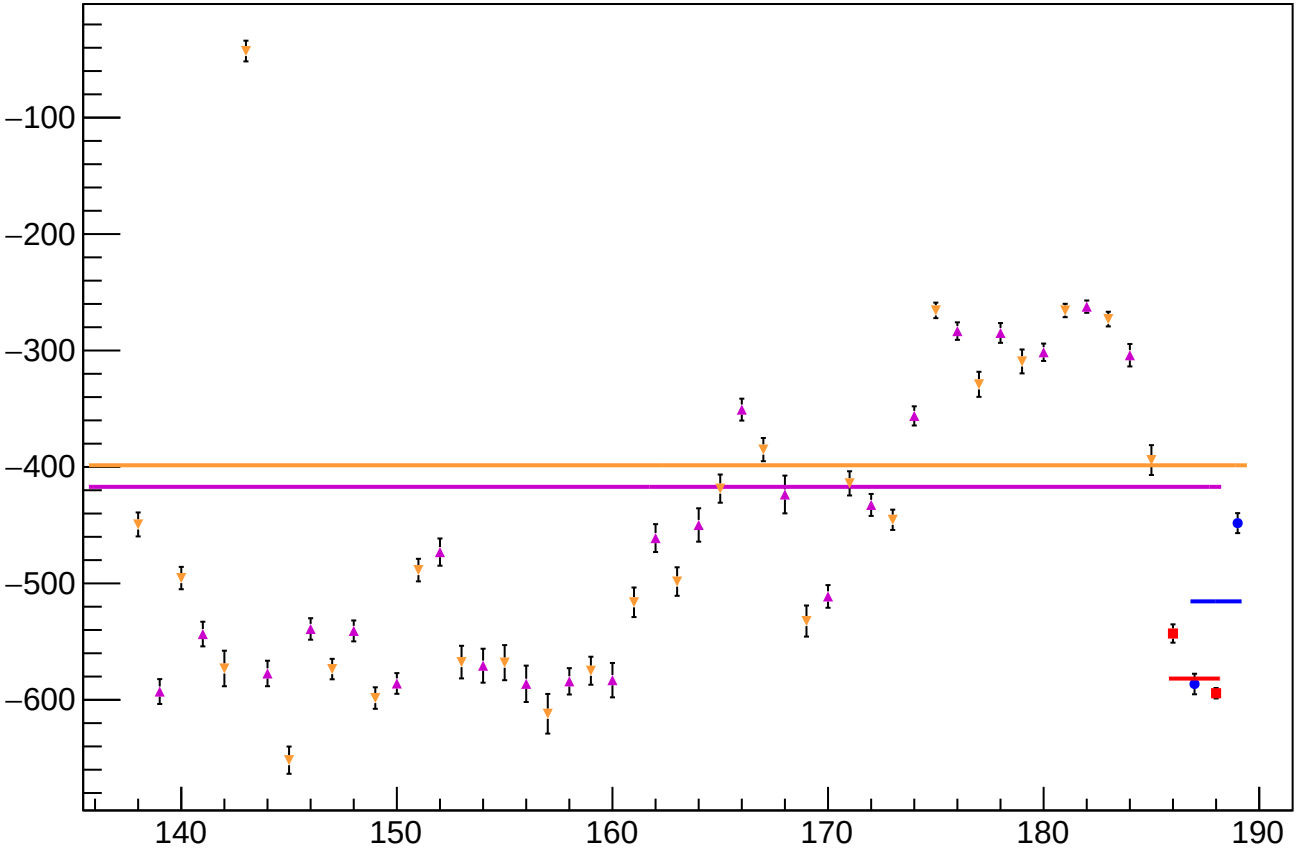
Right: -9.007+/-0.038 $\chi^2$/NDF: 1150963.6/39

In: -16.325+/-0.019 $\chi^2$/NDF:870338.1/41

Out: -16.521+/-0.019 $\chi^2$/NDF:905337.3/45

All: -16.424+/-0.014 $\chi^2$/NDF: 1775727.5/87

# reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -515.432+/-6.149 $\chi^2$/NDF: 126.1/1

Left Out: -398.556+/-1.962 $\chi^2$/NDF:5659.5/24

Right Out: -581.729+/-3.896 $\chi^2$/NDF: 32.1/1

Left In: -417.080+/-1.997 $\chi^2$/NDF:3958.5/22

Left: -407.653+/-1.399 $\chi^2$/NDF: 9661.9/47

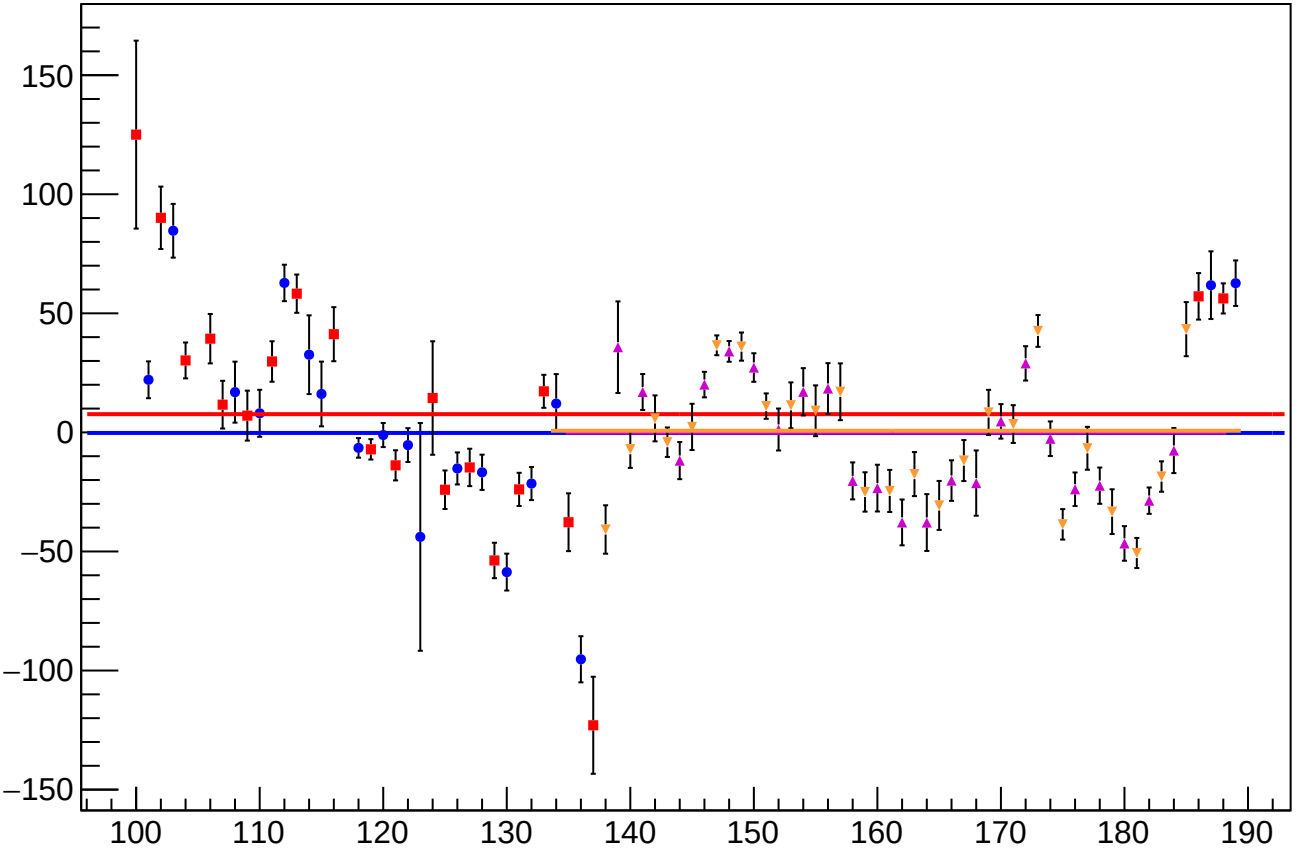
Right: -562.736+/-3.291 $\chi^2$/NDF: 241.2/3

In: -426.463+/-1.899 $\chi^2$/NDF:4316.1/24

Out: -435.597+/-1.752 $\chi^2$/NDF:7455.0/26

All: -431.398+/-1.288 $\chi^2$/NDF: 11783.7/51

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -0.225+/-1.837 $\chi^2$/NDF: 380.2/18

Left Out: 0.697+/-1.510 $\chi^2$/NDF:349.9/24

Right Out: 7.656+/-1.806 $\chi^2$/NDF: 399.5/20

Left In: -0.052+/-1.571 $\chi^2$/NDF:264.1/22

Left: 0.337+/-1.089 $\chi^2$/NDF: 614.1/47

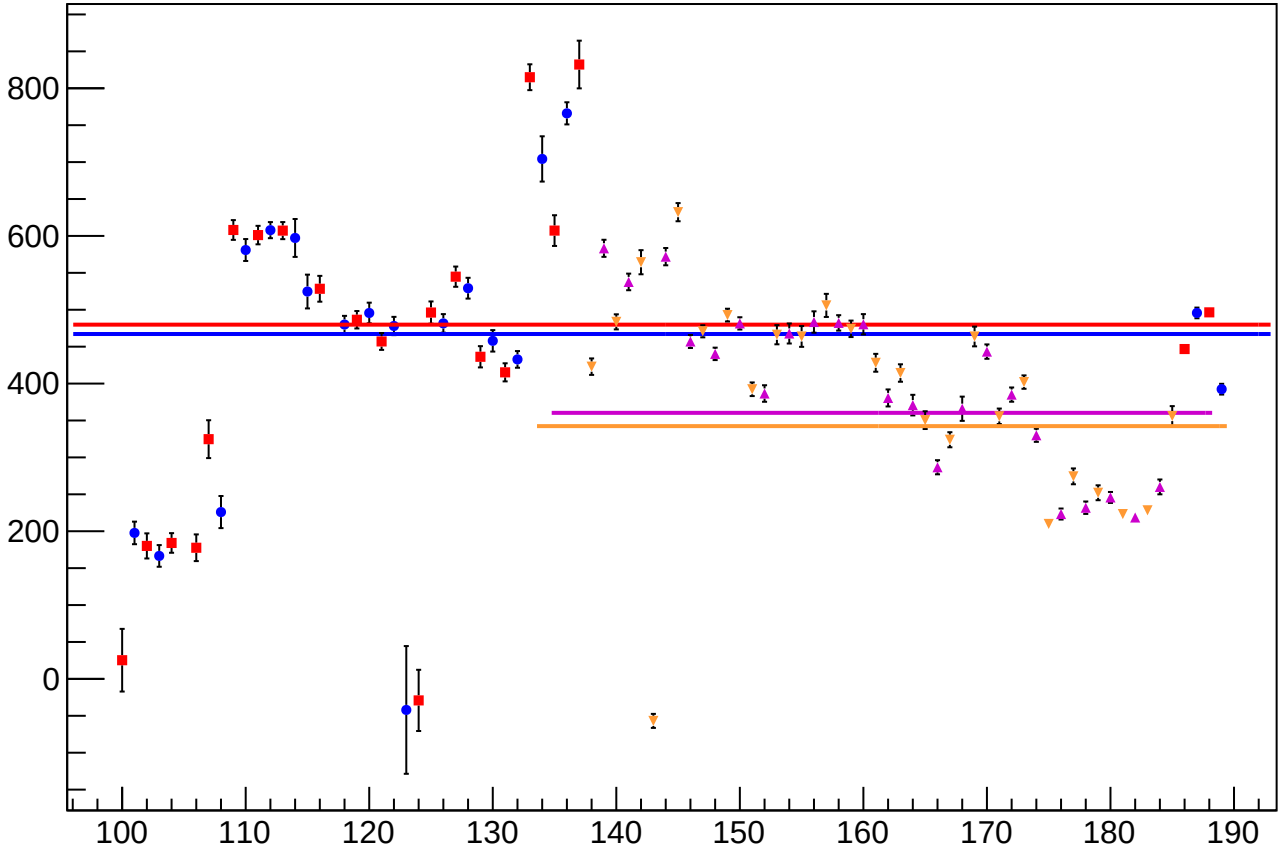
Right: 3.784+/-1.288 $\chi^2$/NDF: 789.0/39

In: -0.125+/-1.194 $\chi^2$/NDF:644.3/41

Out: 3.561+/-1.158 $\chi^2$/NDF:758.1/45

All: 1.774+/-0.831 $\chi^2$/NDF: 1407.4/87

# reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 467.136+/-2.965 $\chi^2$/NDF: 1759.6/18

Left Out: 342.368+/-1.970 $\chi^2$/NDF:5181.7/24

Right Out: 479.822+/-2.343 $\chi^2$/NDF: 2338.5/20

Left In: 360.355+/-1.996 $\chi^2$/NDF:3449.9/22

Left: 351.245+/-1.402 $\chi^2$/NDF: 8672.8/47

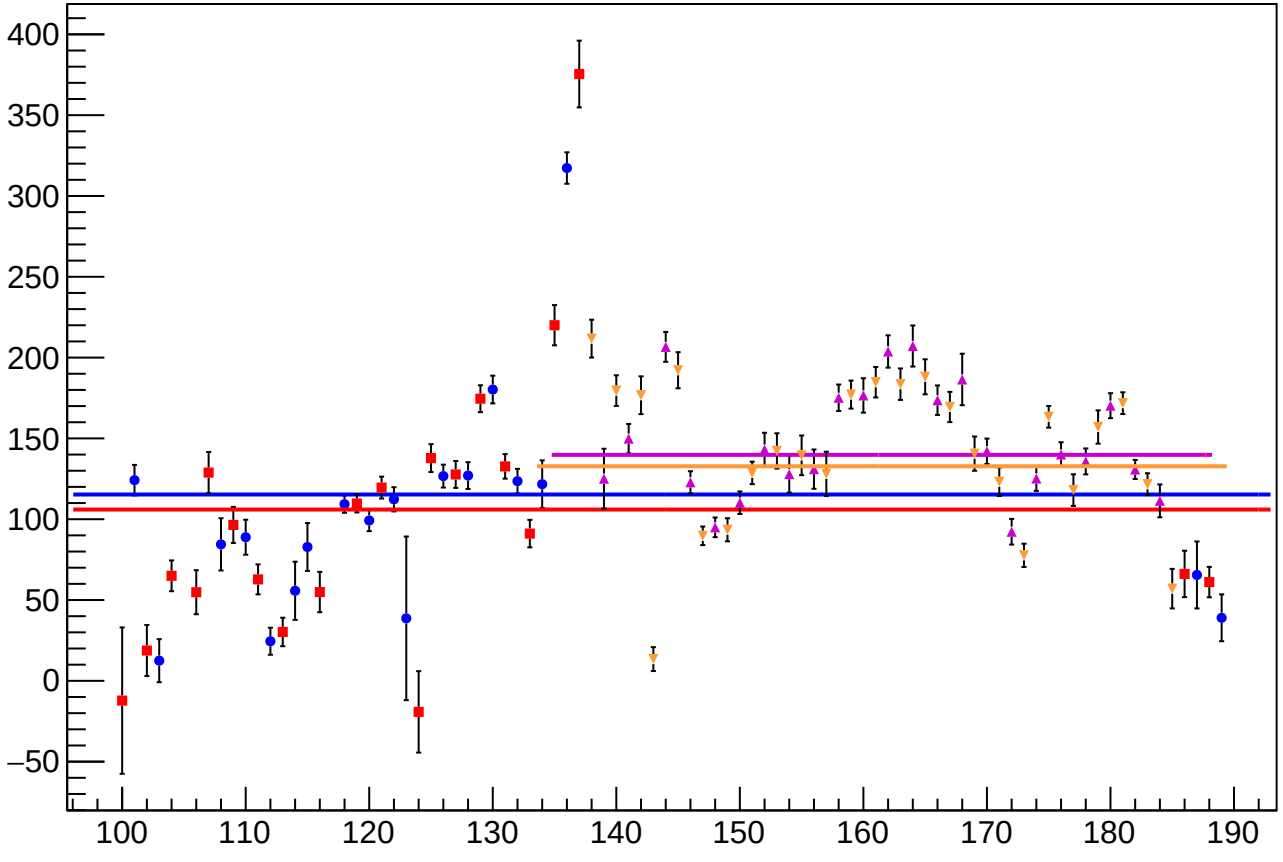
Right: 474.943+/-1.838 $\chi^2$/NDF: 4109.3/39

In: 393.652+/-1.655 $\chi^2$/NDF:6102.4/41

Out: 399.276+/-1.508 $\chi^2$/NDF:9536.2/45

All: 396.726+/-1.115 $\chi^2$/NDF: 15644.8/87

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 115.283+/-2.156 $\chi^2$/NDF: 741.4/18

Left Out: 132.762+/-1.736 $\chi^2$/NDF:749.6/24

Right Out: 105.979+/-2.127 $\chi^2$/NDF: 604.0/20

Left In: 139.828+/-1.790 $\chi^2$/NDF:321.7/22

Left: 136.187+/-1.246 $\chi^2$/NDF: 1079.3/47

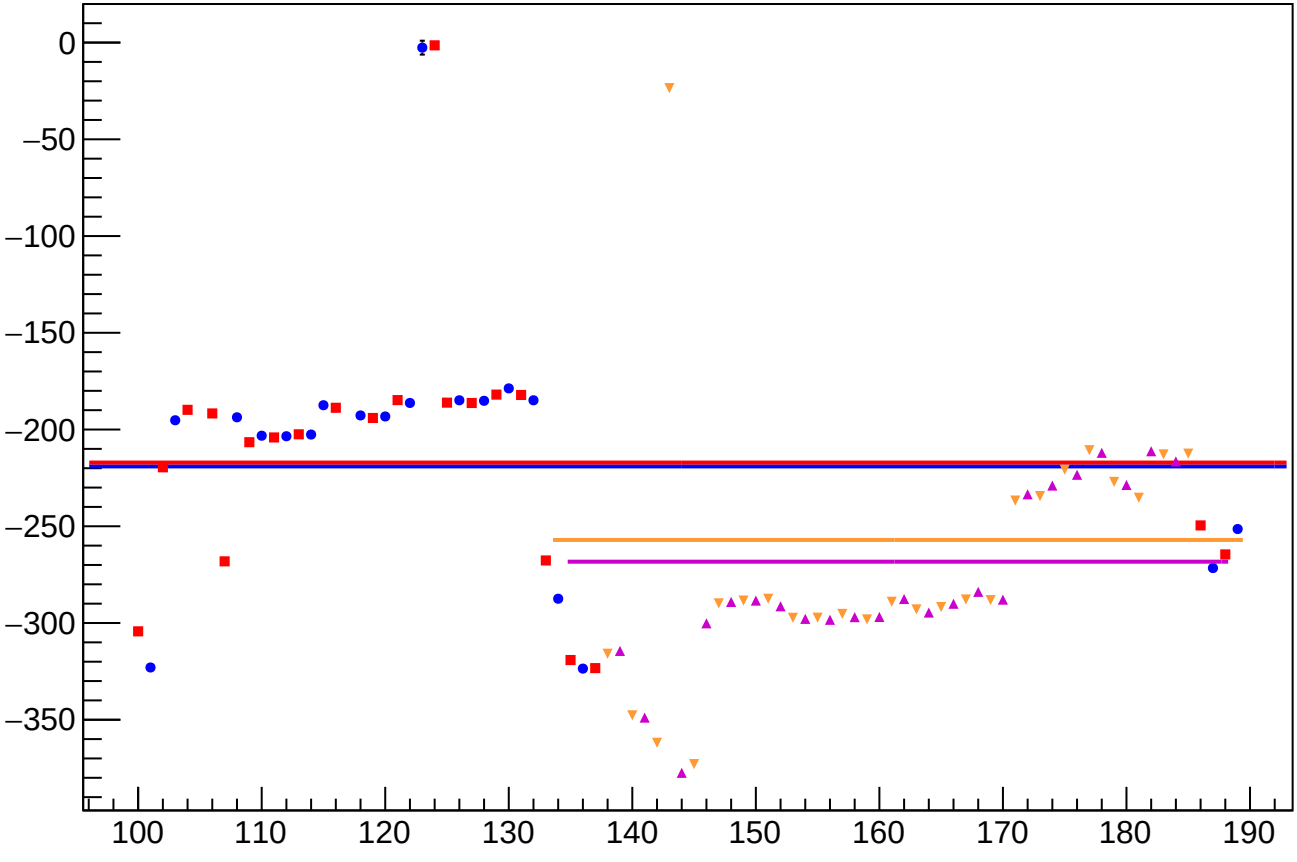
Right: 110.568+/-1.514 $\chi^2$/NDF: 1354.9/39

In: 129.817+/-1.377 $\chi^2$/NDF:1139.8/41

Out: 122.059+/-1.345 $\chi^2$/NDF:1448.8/45

All: 125.846+/-0.962 $\chi^2$/NDF: 2604.8/87

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -219.062+/-0.132 $\chi^2$/NDF: 152018.9/18

Left Out: -257.067+/-0.082 $\chi^2$/NDF:665762.3/24

Right Out: -217.067+/-0.124 $\chi^2$/NDF: 128727.8/20

Left In: -268.305+/-0.083 $\chi^2$/NDF:264853.3/22

Left: -262.619+/-0.059 $\chi^2$/NDF: 939831.3/47

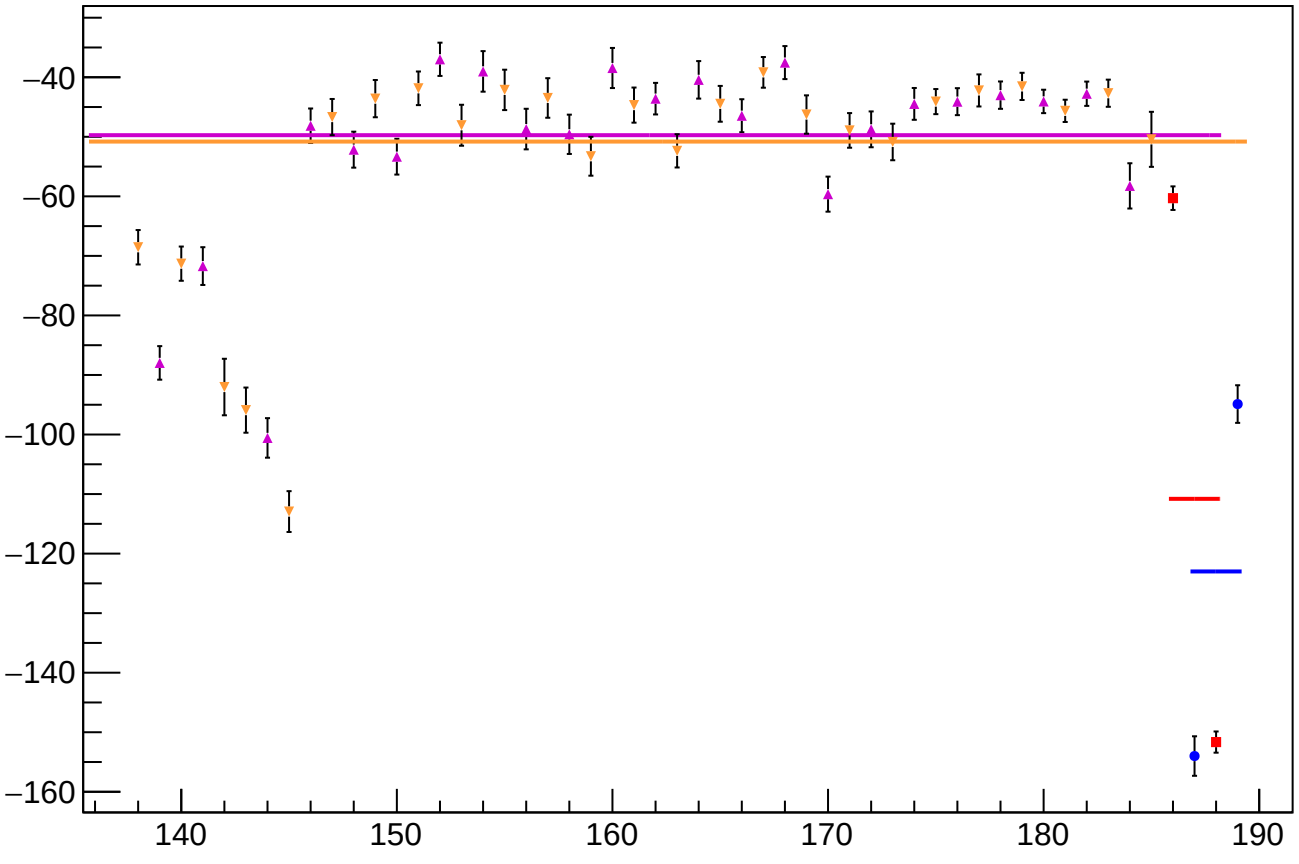
Right: -218.009+/-0.090 $\chi^2$/NDF: 280868.0/39

In: -254.236+/-0.070 $\chi^2$/NDF:516797.4/41

Out: -244.902+/-0.069 $\chi^2$/NDF:866371.7/45

All: -249.452+/-0.049 $\chi^2$/NDF: 1392184.4/87

# reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -122.997+/-2.288 $\chi^2$/NDF: 166.5/1

Left Out: -50.802+/-0.574 $\chi^2$/NDF:752.7/24

Right Out: -110.802+/-1.324 $\chi^2$/NDF: 1177.5/1

Left In: -49.728+/-0.581 $\chi^2$/NDF:601.0/22

Left: -50.272+/-0.408 $\chi^2$/NDF: 1355.3/47

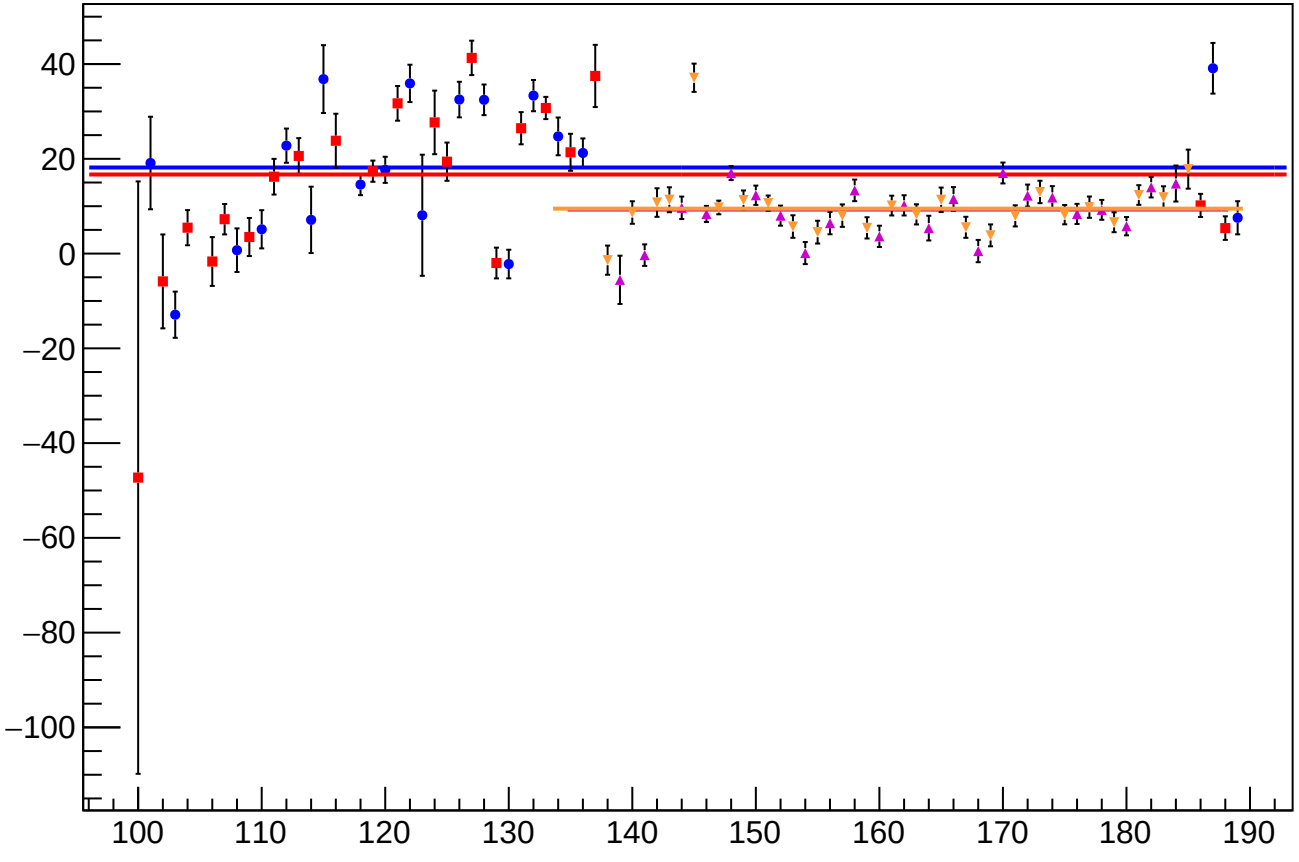
Right: -113.859+/-1.146 $\chi^2$/NDF: 1365.2/3

In: -54.173+/-0.564 $\chi^2$/NDF:1730.5/24

Out: -60.295+/-0.526 $\chi^2$/NDF:3659.9/26

All: -57.442+/-0.385 $\chi^2$/NDF: 5453.5/51

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 18.168+/-0.865 $\chi^2$/NDF: 229.1/18

Left Out: 9.483+/-0.447 $\chi^2$/NDF:133.0/24

Right Out: 16.694+/-0.774 $\chi^2$/NDF: 232.7/20

Left In: 9.289+/-0.461 $\chi^2$/NDF:125.6/22

Left: 9.389+/-0.321 $\chi^2$/NDF: 258.8/47

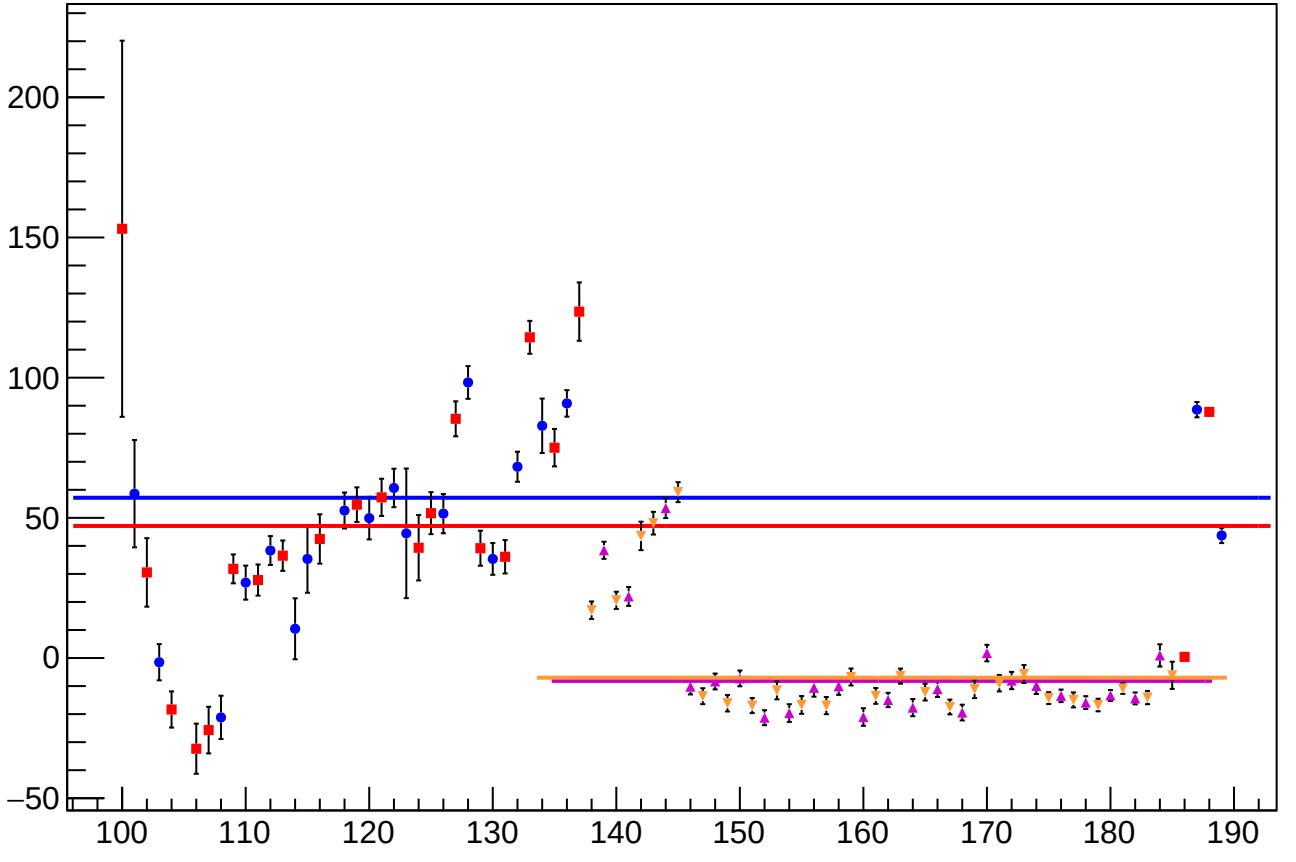
Right: 17.350+/-0.577 $\chi^2$/NDF: 463.5/39

In: 11.250+/-0.407 $\chi^2$/NDF:436.8/41

Out: 11.285+/-0.387 $\chi^2$/NDF:430.9/45

All: 11.268+/-0.280 $\chi^2$/NDF: 867.7/87

# reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 57.168+/-1.260 $\chi^2$/NDF: 531.3/18

Left Out: -7.007+/-0.572 $\chi^2$/NDF:899.2/24

Right Out: 47.108+/-0.886 $\chi^2$/NDF: 2208.9/20

Left In: -8.158+/-0.578 $\chi^2$/NDF:753.9/22

Left: -7.577+/-0.406 $\chi^2$/NDF: 1655.2/47

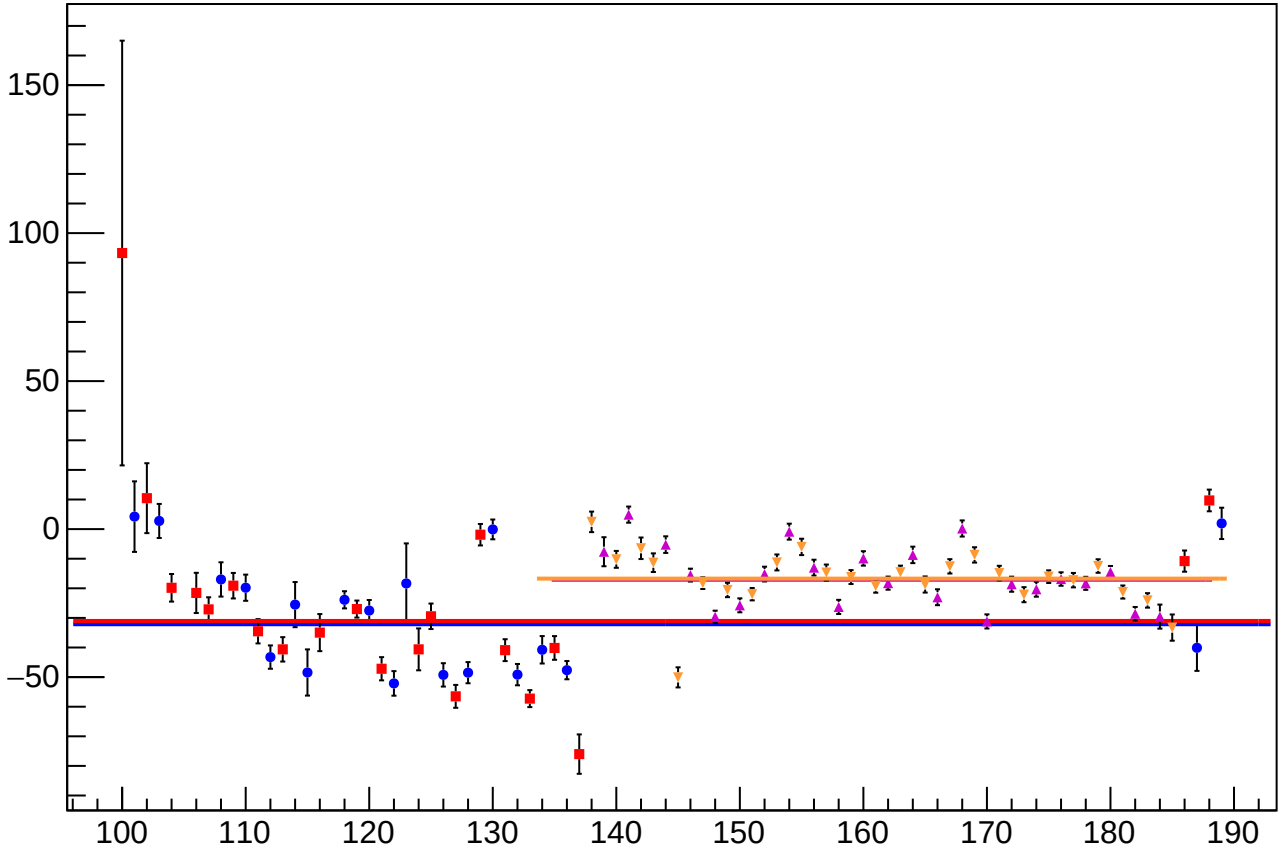
Right: 50.437+/-0.725 $\chi^2$/NDF: 2782.9/39

In: 3.183+/-0.525 $\chi^2$/NDF:3505.4/41

Out: 8.898+/-0.481 $\chi^2$/NDF:5739.6/45

All: 6.293+/-0.355 $\chi^2$/NDF: 9309.4/87

# reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -32.134+/-1.005 $\chi^2$/NDF: 332.8/18

Left Out: -16.727+/-0.508 $\chi^2$/NDF:223.3/24

Right Out: -31.025+/-0.925 $\chi^2$/NDF: 463.9/20

Left In: -17.100+/-0.520 $\chi^2$/NDF:328.1/22

Left: -16.909+/-0.363 $\chi^2$/NDF: 551.7/47

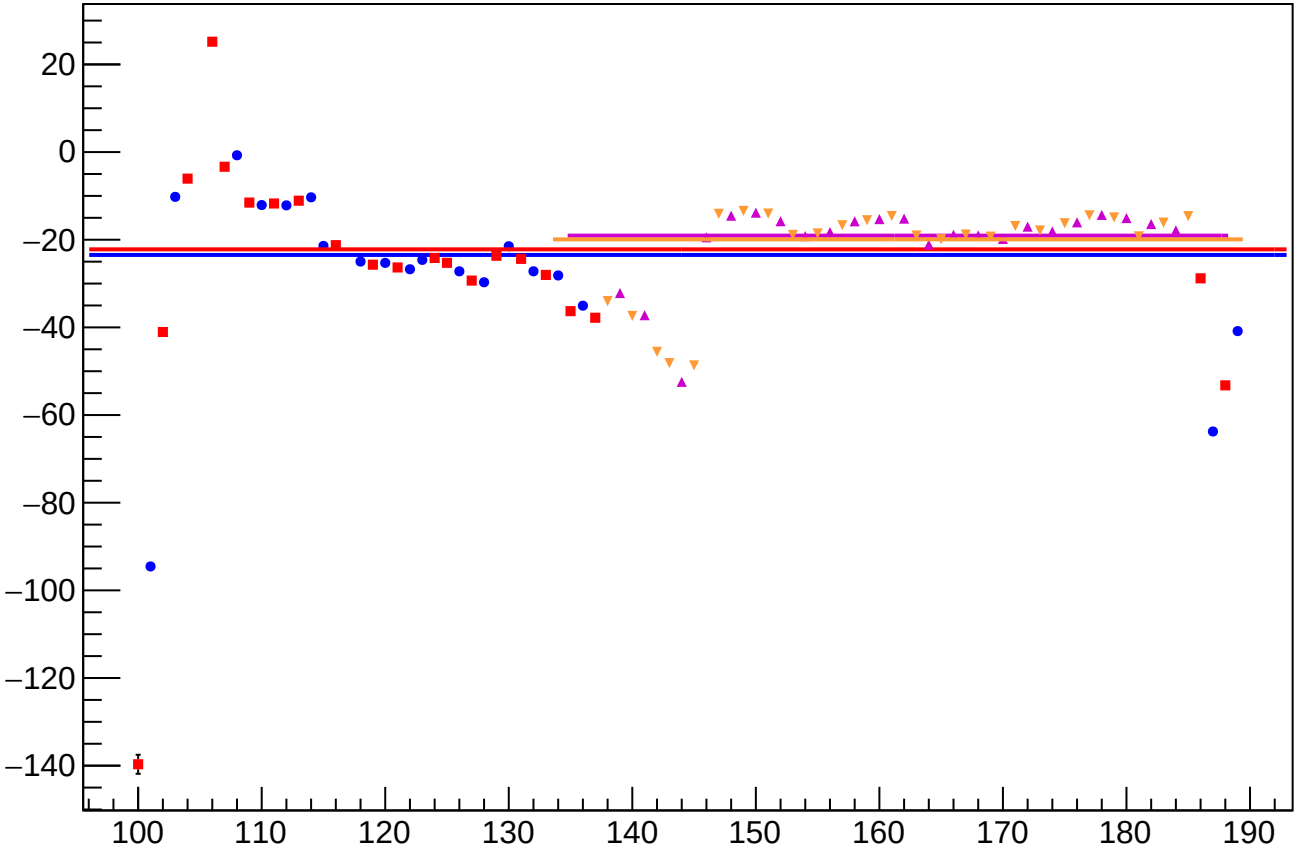
Right: -31.534+/-0.681 $\chi^2$/NDF: 797.4/39

In: -20.277+/-0.462 $\chi^2$/NDF:837.2/41

Out: -20.035+/-0.445 $\chi^2$/NDF:870.7/45

All: -20.152+/-0.321 $\chi^2$/NDF: 1708.1/87

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -23.471+/-0.056 $\chi^2$/NDF: 65016.6/18

Left Out: -19.915+/-0.023 $\chi^2$/NDF:141090.6/24

Right Out: -22.192+/-0.053 $\chi^2$/NDF: 117154.2/20

Left In: -19.068+/-0.024 $\chi^2$/NDF:92702.3/22

Left: -19.496+/-0.017 $\chi^2$/NDF: 234444.5/47

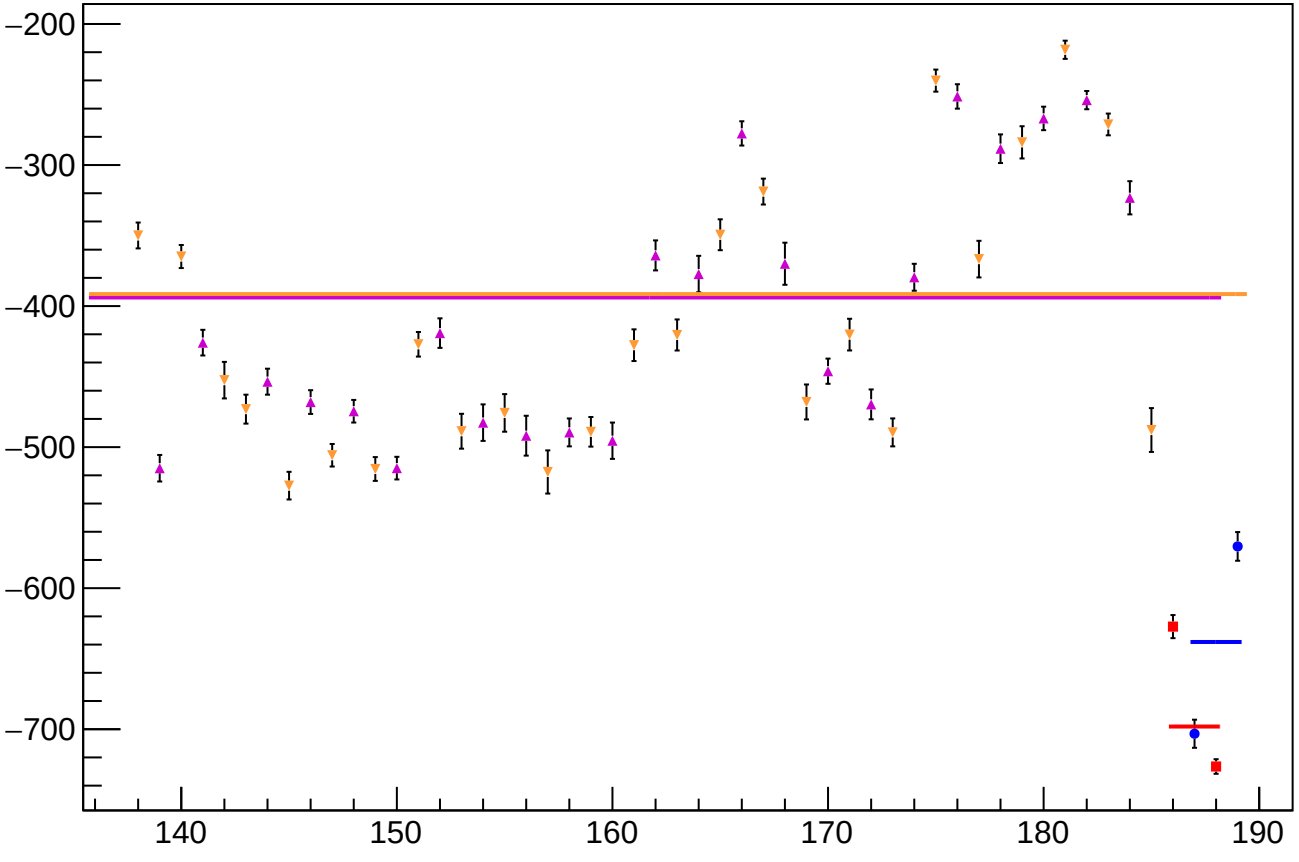
Right: -22.797+/-0.039 $\chi^2$/NDF: 182443.5/39

In: -19.727+/-0.022 $\chi^2$/NDF:162941.1/41

Out: -20.282+/-0.021 $\chi^2$/NDF:259777.3/45

All: -20.009+/-0.015 $\chi^2$/NDF: 423048.8/87

# reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -638.143+/-7.117 $\chi^2$/NDF: 87.0/1

Left Out: -391.476+/-1.973 $\chi^2$/NDF:2708.6/24

Right Out: -698.098+/-4.377 $\chi^2$/NDF: 104.8/1

Left In: -393.904+/-1.998 $\chi^2$/NDF:2280.8/22

Left: -392.674+/-1.404 $\chi^2$/NDF: 4990.1/47

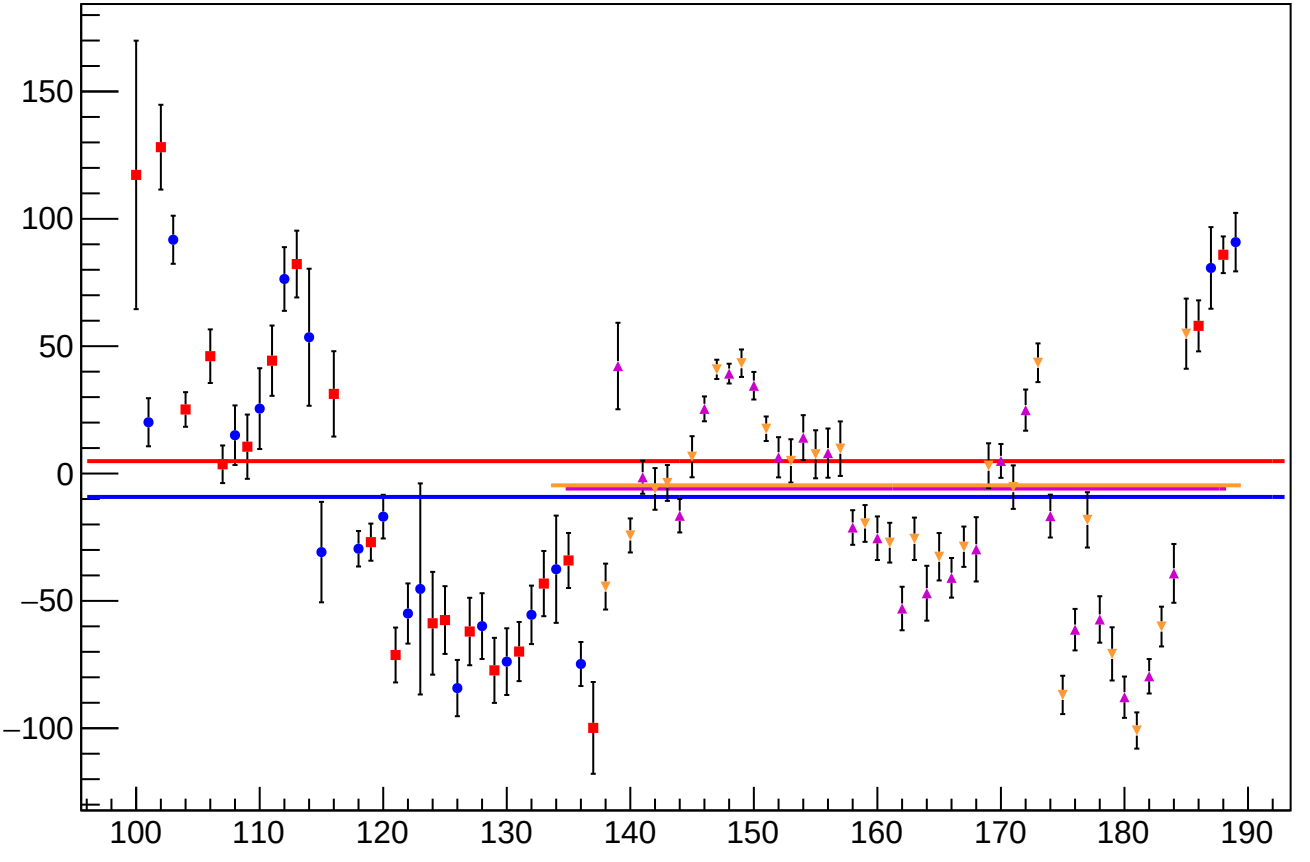
Right: -681.646+/-3.728 $\chi^2$/NDF: 243.3/3

In: -411.744+/-1.923 $\chi^2$/NDF:3459.5/24

Out: -443.240+/-1.798 $\chi^2$/NDF:6892.8/26

All: -428.550+/-1.314 $\chi^2$/NDF: 10495.4/51

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -9.186+/-2.666 $\chi^2$/NDF: 480.8/18

Left Out: -4.635+/-1.467 $\chi^2$/NDF:771.4/24

Right Out: 4.869+/-2.386 $\chi^2$/NDF: 554.2/20

Left In: -5.906+/-1.513 $\chi^2$/NDF:657.5/22

Left: -5.251+/-1.053 $\chi^2$/NDF: 1429.3/47

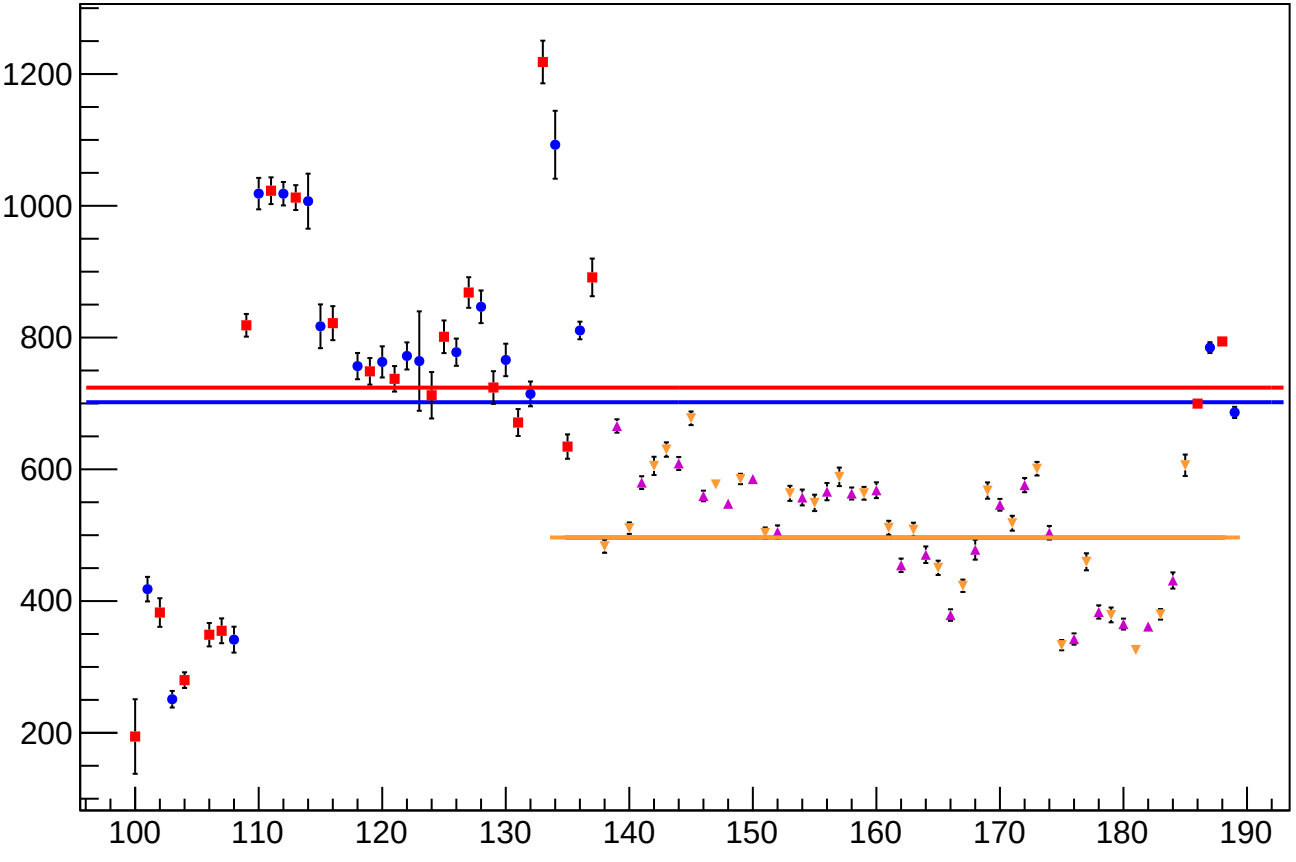
Right: -1.382+/-1.778 $\chi^2$/NDF: 1050.4/39

In: -6.705+/-1.316 $\chi^2$/NDF:1139.4/41

Out: -2.027+/-1.250 $\chi^2$/NDF:1337.1/45

All: -4.246+/-0.906 $\chi^2$/NDF: 2483.2/87

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 701.824+/-3.827 $\chi^2$/NDF: 2718.9/18

Left Out: 496.535+/-1.971 $\chi^2$/NDF:2589.1/24

Right Out: 723.997+/-2.823 $\chi^2$/NDF: 3696.4/20

Left In: 496.393+/-1.985 $\chi^2$/NDF:2295.8/22

Left: 496.465+/-1.399 $\chi^2$/NDF: 4884.9/47

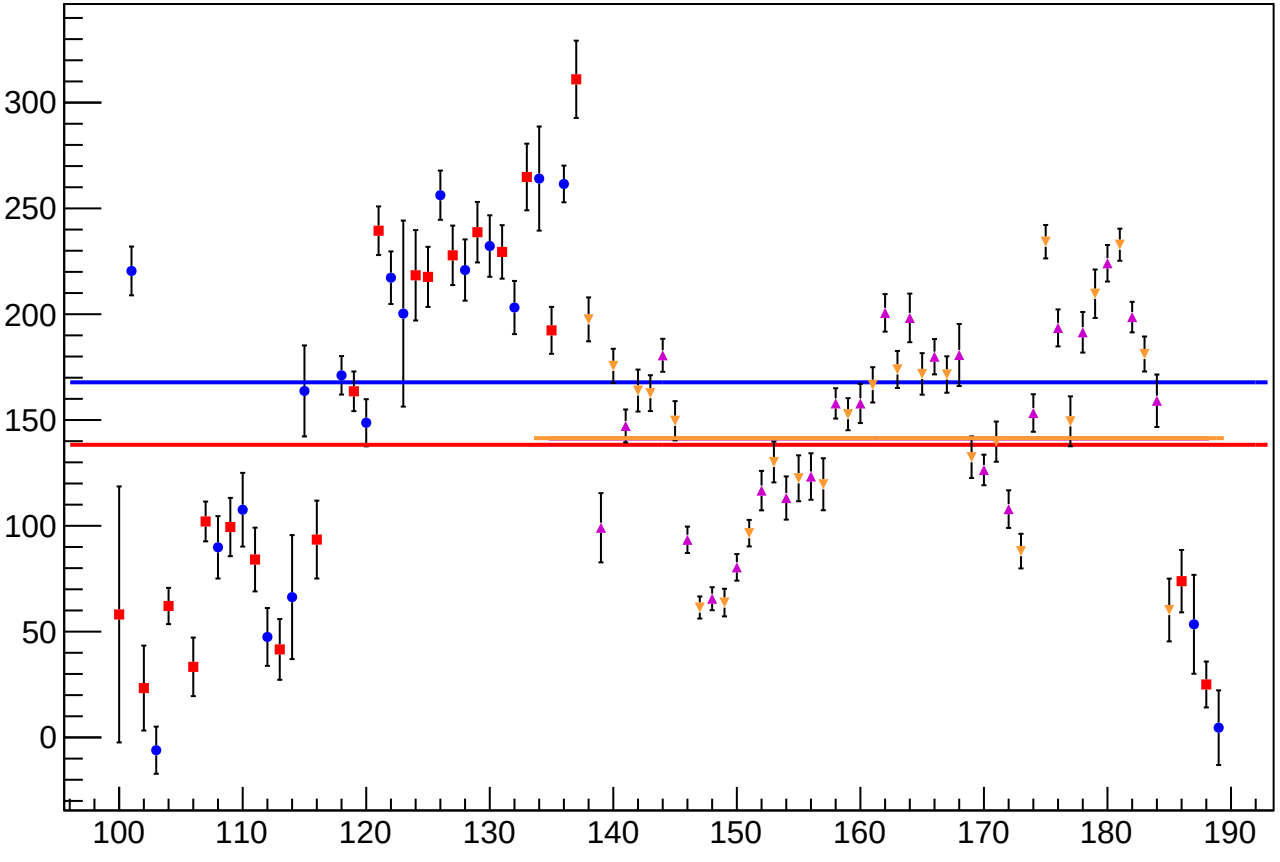
Right: 716.184+/-2.272 $\chi^2$/NDF: 6437.0/39

In: 539.956+/-1.762 $\chi^2$/NDF:7284.9/41

Out: 571.083+/-1.616 $\chi^2$/NDF:10649.8/45

All: 556.865+/-1.191 $\chi^2$/NDF: 18104.1/87

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 167.817+/-3.123 $\chi^2$/NDF: 753.5/18

Left Out: 141.430+/-1.704 $\chi^2$/NDF:957.7/24

Right Out: 138.287+/-2.875 $\chi^2$/NDF: 836.0/20

Left In: 141.248+/-1.744 $\chi^2$/NDF:744.2/22

Left: 141.341+/-1.219 $\chi^2$/NDF: 1701.9/47

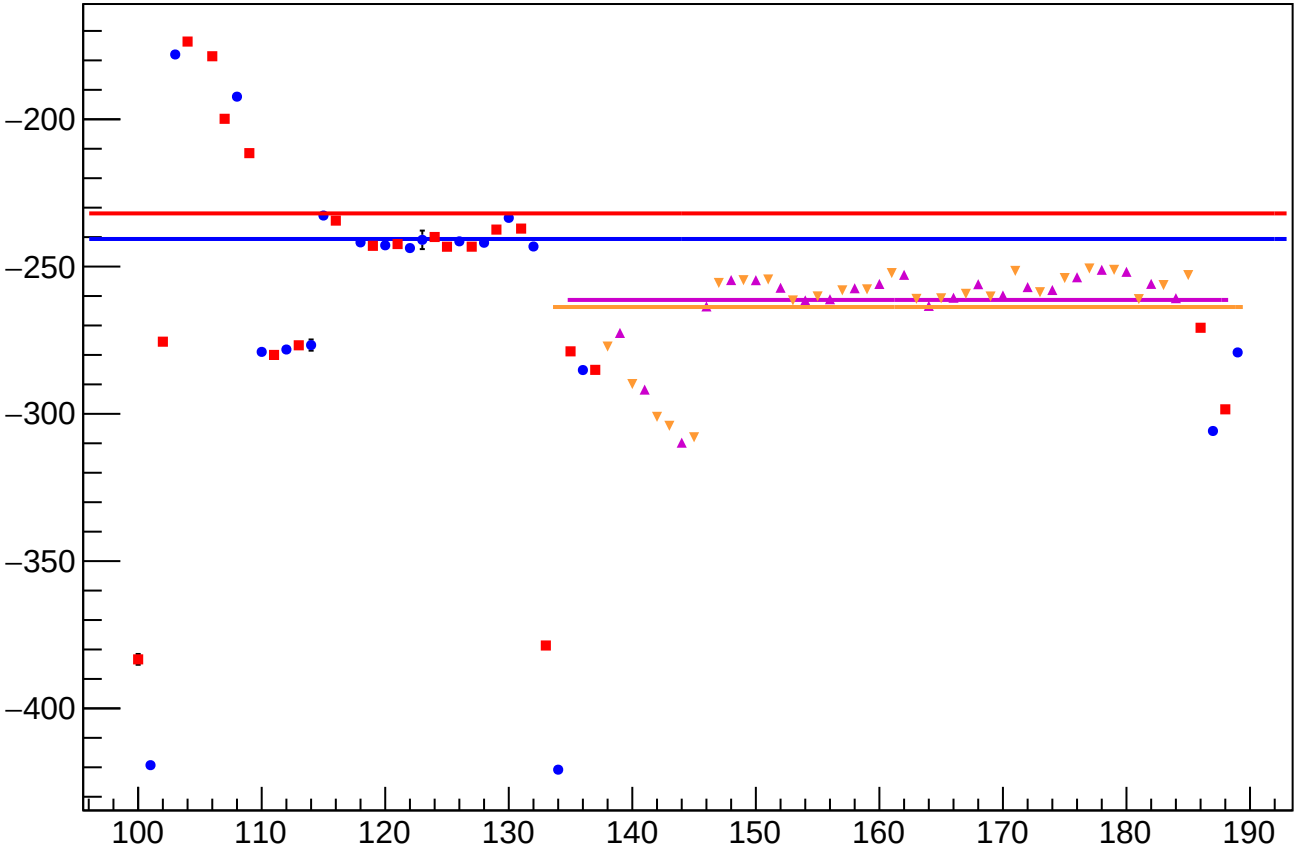
Right: 151.834+/-2.115 $\chi^2$/NDF: 1637.9/39

In: 147.563+/-1.523 $\chi^2$/NDF:1552.8/41

Out: 140.613+/-1.466 $\chi^2$/NDF:1794.6/45

All: 143.956+/-1.056 $\chi^2$/NDF: 3358.3/87

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -240.635+/-0.156 $\chi^2$/NDF: 171932.6/18

Left Out: -263.734+/-0.081 $\chi^2$/NDF:37922.0/24

Right Out: -231.952+/-0.145 $\chi^2$/NDF: 118375.0/20

Left In: -261.325+/-0.082 $\chi^2$/NDF:23449.2/22

Left: -262.533+/-0.058 $\chi^2$/NDF: 61807.4/47

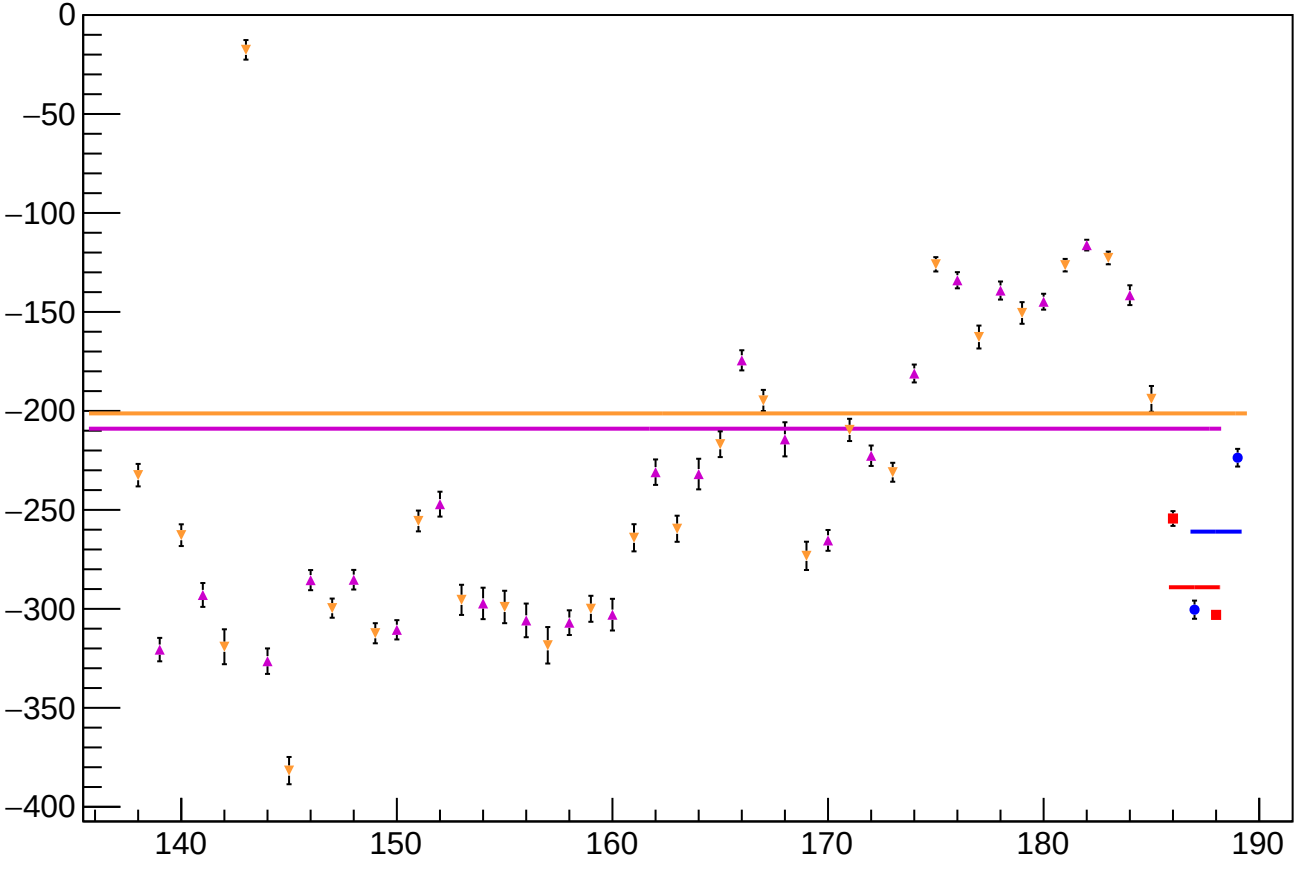
Right: -235.976+/-0.106 $\chi^2$/NDF: 291971.3/39

In: -256.873+/-0.072 $\chi^2$/NDF:209200.7/41

Out: -256.101+/-0.071 $\chi^2$/NDF:192846.8/45

All: -256.480+/-0.051 $\chi^2$/NDF: 402105.4/87

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -260.983+/-3.202 $\chi^2$/NDF: 143.6/1

Left Out: -201.261+/-1.065 $\chi^2$/NDF:6110.1/24

Right Out: -289.081+/-2.002 $\chi^2$/NDF: 121.0/1

Left In: -208.981+/-1.078 $\chi^2$/NDF:4865.2/22

Left: -205.075+/-0.758 $\chi^2$/NDF: 11001.2/47

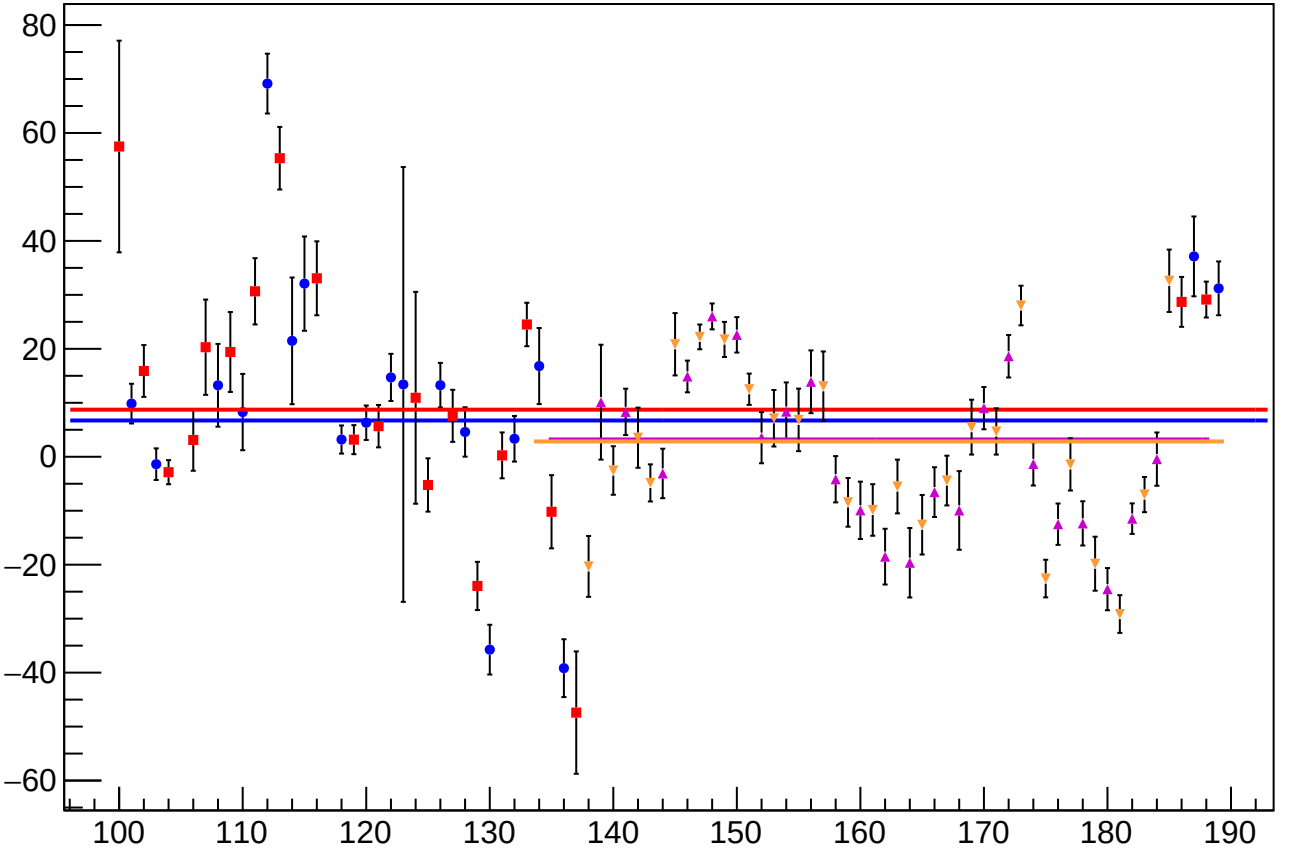
Right: -281.185+/-1.697 $\chi^2$/NDF: 320.0/3

In: -214.276+/-1.022 $\chi^2$/NDF:5245.7/24

Out: -220.645+/-0.941 $\chi^2$/NDF:7730.7/26

All: -217.724+/-0.692 $\chi^2$/NDF: 12997.4/51

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 6.724+/-1.053 $\chi^2$/NDF: 355.8/18

Left Out: 2.841+/-0.824 $\chi^2$/NDF:420.6/24

Right Out: 8.727+/-0.996 $\chi^2$/NDF: 304.4/20

Left In: 3.208+/-0.854 $\chi^2$/NDF:323.8/22

Left: 3.018+/-0.593 $\chi^2$/NDF: 744.6/47

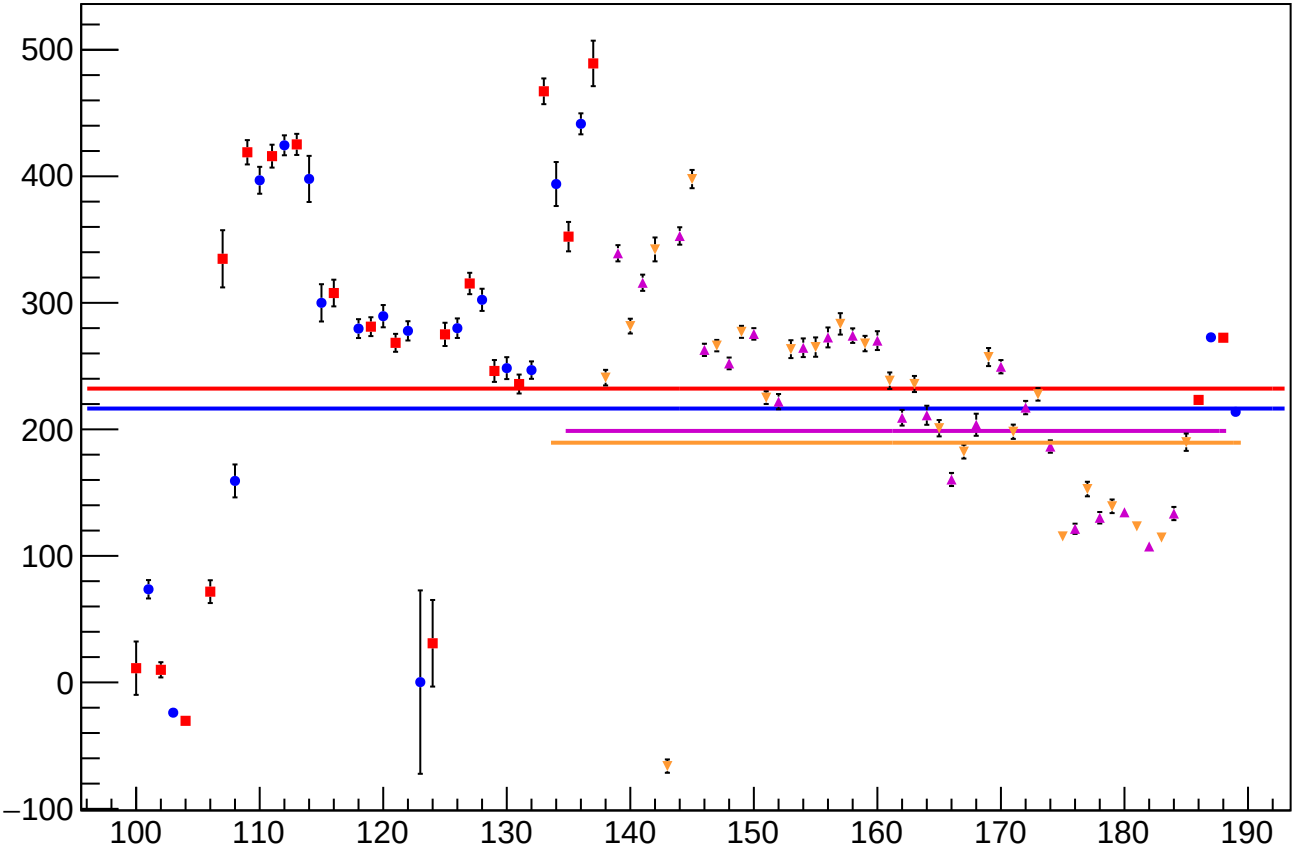
Right: 7.781+/-0.724 $\chi^2$/NDF: 662.1/39

In: 4.604+/-0.663 $\chi^2$/NDF:686.3/41

Out: 5.233+/-0.635 $\chi^2$/NDF:745.7/45

All: 4.932+/-0.459 $\chi^2$/NDF: 1432.5/87

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 216.454+/-1.586 $\chi^2$/NDF: 7032.5/18

Left Out: 189.453+/-1.070 $\chi^2$/NDF:6649.7/24

Right Out: 232.219+/-1.234 $\chi^2$/NDF: 9082.9/20

Left In: 198.762+/-1.078 $\chi^2$/NDF:4590.0/22

Left: 194.072+/-0.759 $\chi^2$/NDF: 11277.3/47

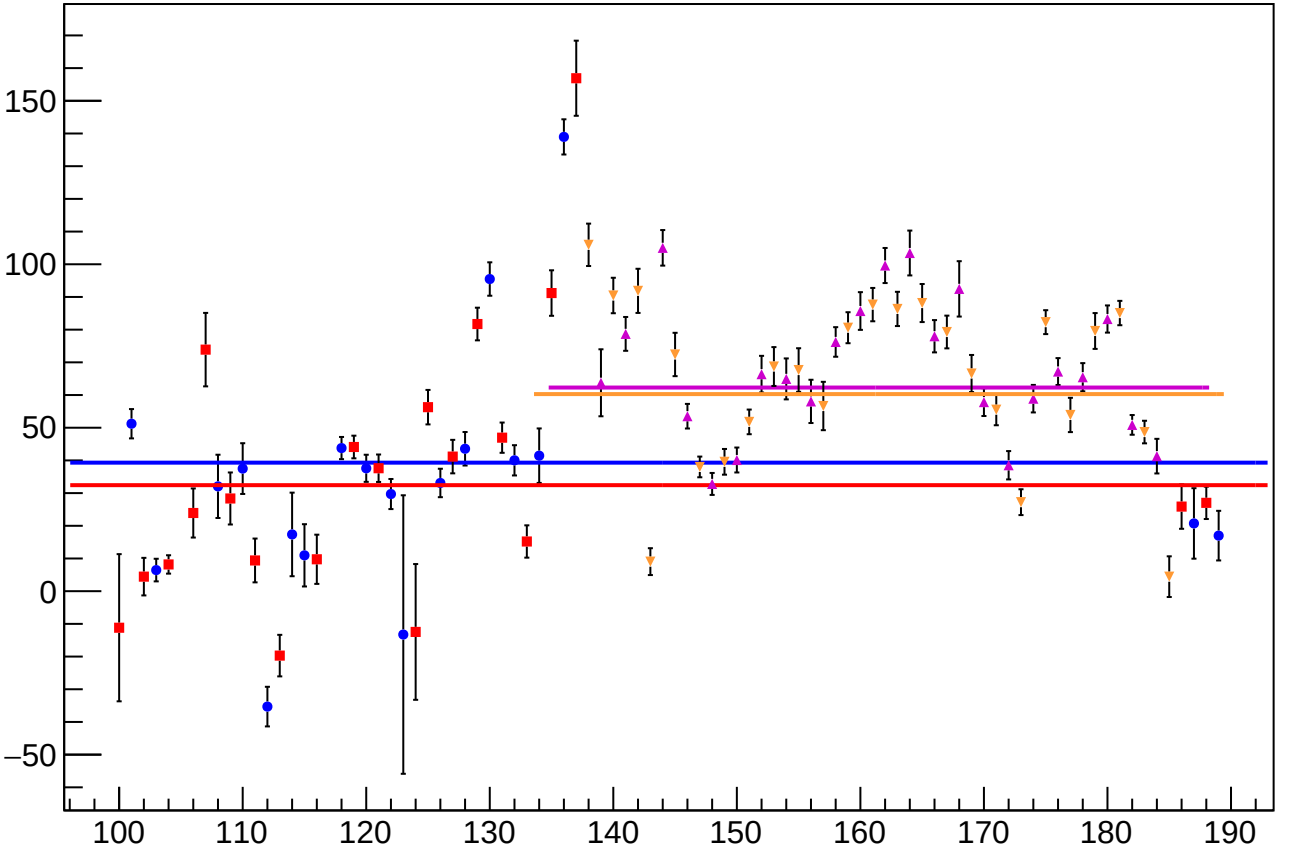
Right: 226.276+/-0.974 $\chi^2$/NDF: 16177.0/39

In: 204.351+/-0.892 $\chi^2$/NDF:11707.6/41

Out: 207.804+/-0.808 $\chi^2$/NDF:16418.5/45

All: 206.246+/-0.599 $\chi^2$/NDF: 28134.3/87

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 39.317+/-1.242 $\chi^2$/NDF: 747.1/18

Left Out: 60.287+/-0.945 $\chi^2$/NDF:714.8/24

Right Out: 32.430+/-1.195 $\chi^2$/NDF: 556.4/20

Left In: 62.290+/-0.971 $\chi^2$/NDF:411.6/22

Left: 61.261+/-0.677 $\chi^2$/NDF: 1128.6/47

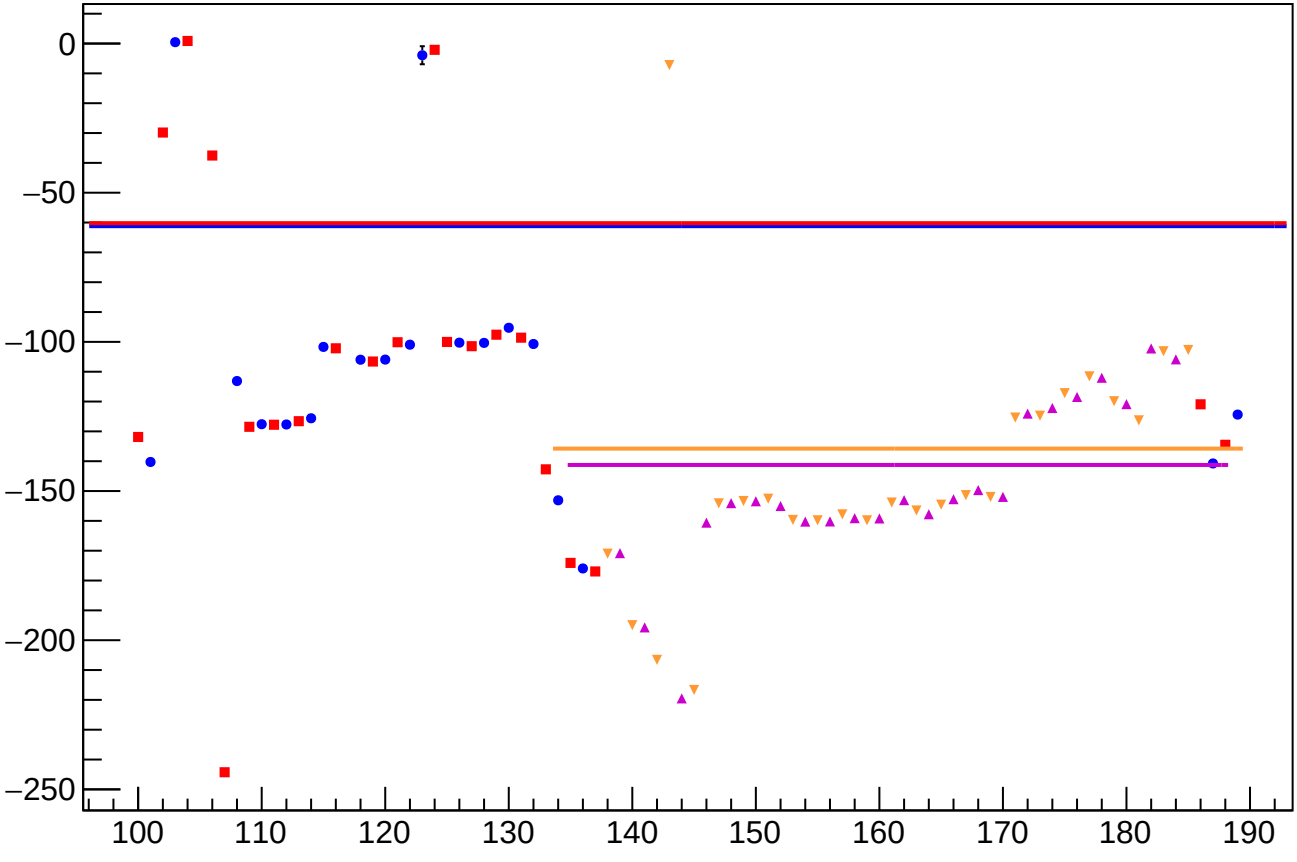
Right: 35.742+/-0.861 $\chi^2$/NDF: 1319.4/39

In: 53.571+/-0.765 $\chi^2$/NDF:1371.0/41

Out: 49.572+/-0.741 $\chi^2$/NDF:1605.5/45

All: 51.509+/-0.532 $\chi^2$/NDF: 2990.6/87

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -61.216+/-0.060 $\chi^2$/NDF: 1162482.8/18

Left Out: -135.775+/-0.045 $\chi^2$/NDF:742021.1/24

Right Out: -60.210+/-0.058 $\chi^2$/NDF: 1116576.7/20

Left In: -141.259+/-0.045 $\chi^2$/NDF:350045.9/22

Left: -138.491+/-0.032 $\chi^2$/NDF: 1099530.1/47

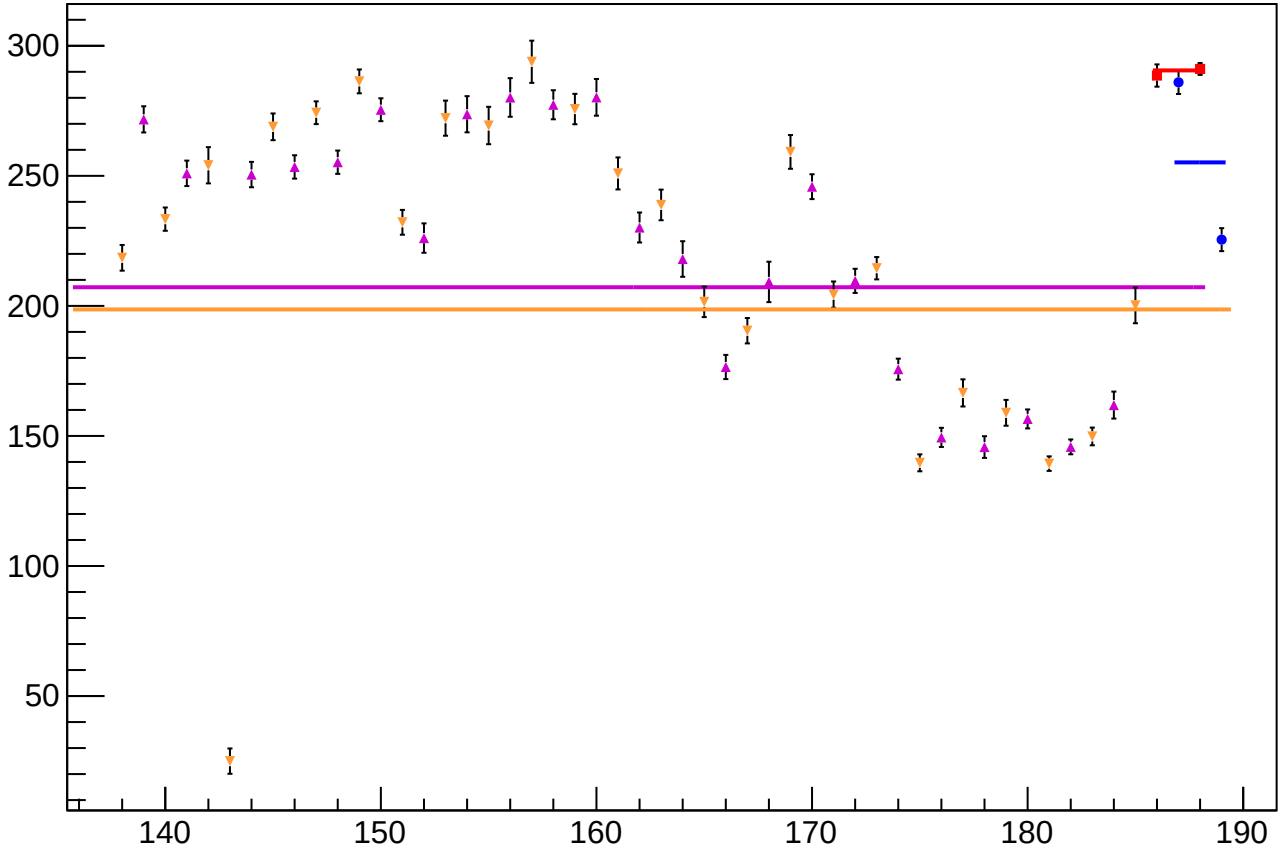
Right: -60.695+/-0.042 $\chi^2$/NDF: 2279204.0/39

In: -112.485+/-0.036 $\chi^2$/NDF:2644530.0/41

Out: -107.703+/-0.035 $\chi^2$/NDF:2921558.7/45

All: -110.048+/-0.025 $\chi^2$/NDF: 5575029.2/87

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 255.175+/-3.152 $\chi^2$/NDF: 92.1/1

Left Out: 198.637+/-0.966 $\chi^2$/NDF:4146.6/24

Right Out: 290.538+/-2.012 $\chi^2$/NDF: 0.3/1

Left In: 207.171+/-0.986 $\chi^2$/NDF:2631.6/22

Left: 202.817+/-0.690 $\chi^2$/NDF: 6816.4/47

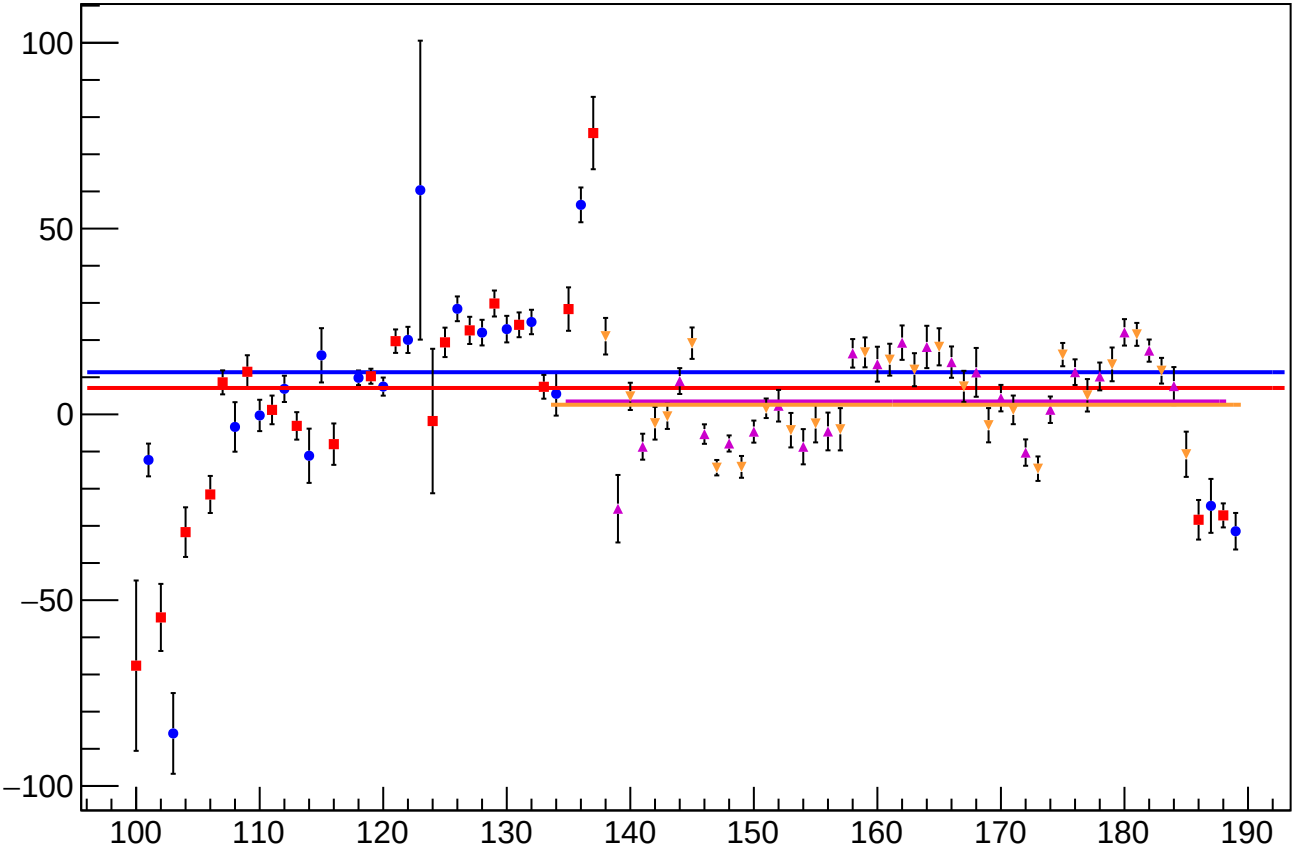
Right: 280.302+/-1.696 $\chi^2$/NDF: 181.8/3

In: 211.450+/-0.941 $\chi^2$/NDF:2934.9/24

Out: 215.859+/-0.871 $\chi^2$/NDF:5842.5/26

All: 213.825+/-0.639 $\chi^2$/NDF: 8789.2/51

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 11.350+/-0.897 $\chi^2$/NDF: 400.6/18

Left Out: 2.595+/-0.744 $\chi^2$/NDF:274.3/24

Right Out: 7.106+/-0.870 $\chi^2$/NDF: 476.6/20

Left In: 3.478+/-0.772 $\chi^2$/NDF:194.7/22

Left: 3.020+/-0.536 $\chi^2$/NDF: 469.7/47

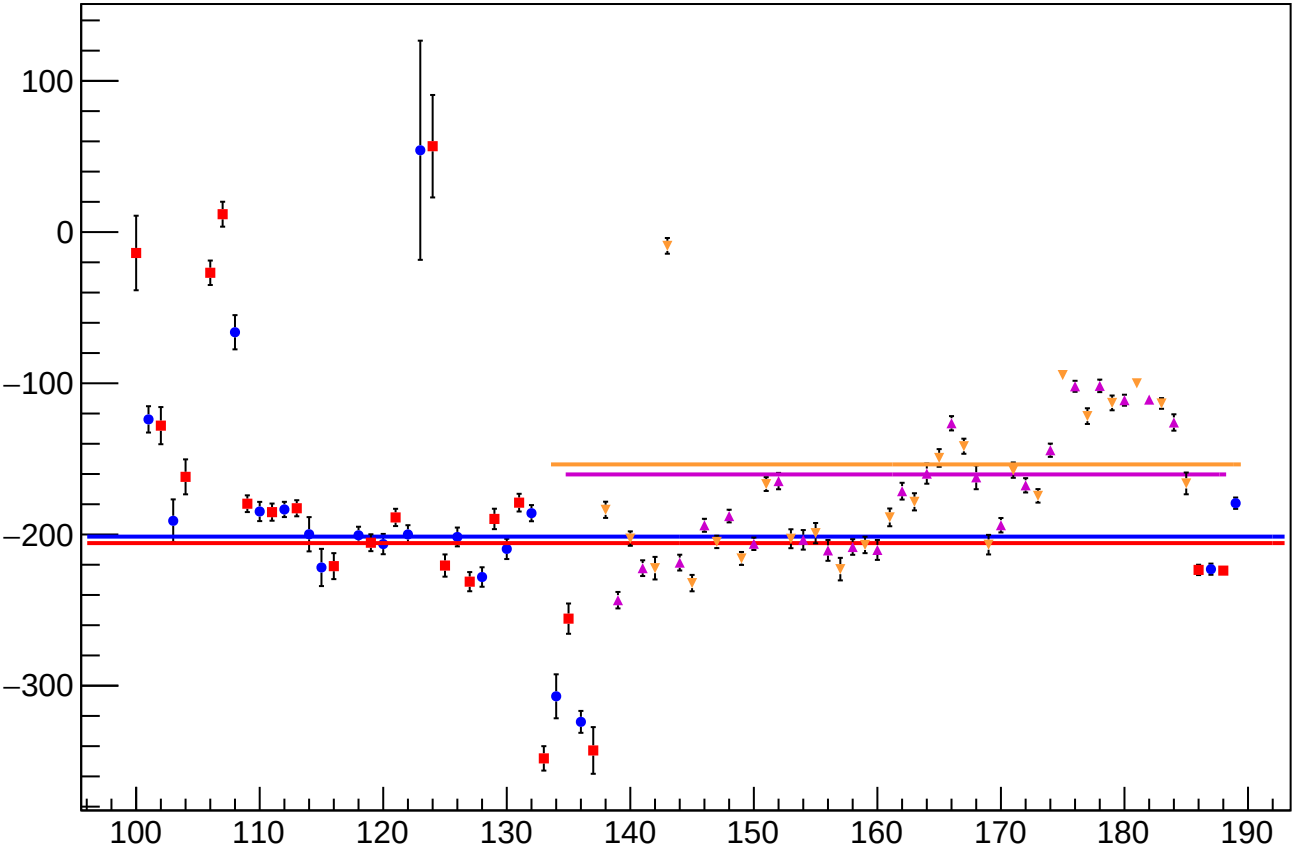
Right: 9.162+/-0.624 $\chi^2$/NDF: 888.7/39

In: 6.827+/-0.585 $\chi^2$/NDF:639.5/41

Out: 4.501+/-0.565 $\chi^2$/NDF:766.5/45

All: 5.624+/-0.407 $\chi^2$/NDF: 1414.2/87

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -201.409+/-1.475 $\chi^2$/NDF: 692.1/18

Left Out: -153.649+/-0.970 $\chi^2$/NDF:2930.9/24

Right Out: -205.699+/-1.172 $\chi^2$/NDF: 2012.1/20

Left In: -160.279+/-0.985 $\chi^2$/NDF:2049.4/22

Left: -156.913+/-0.691 $\chi^2$/NDF: 5003.3/47

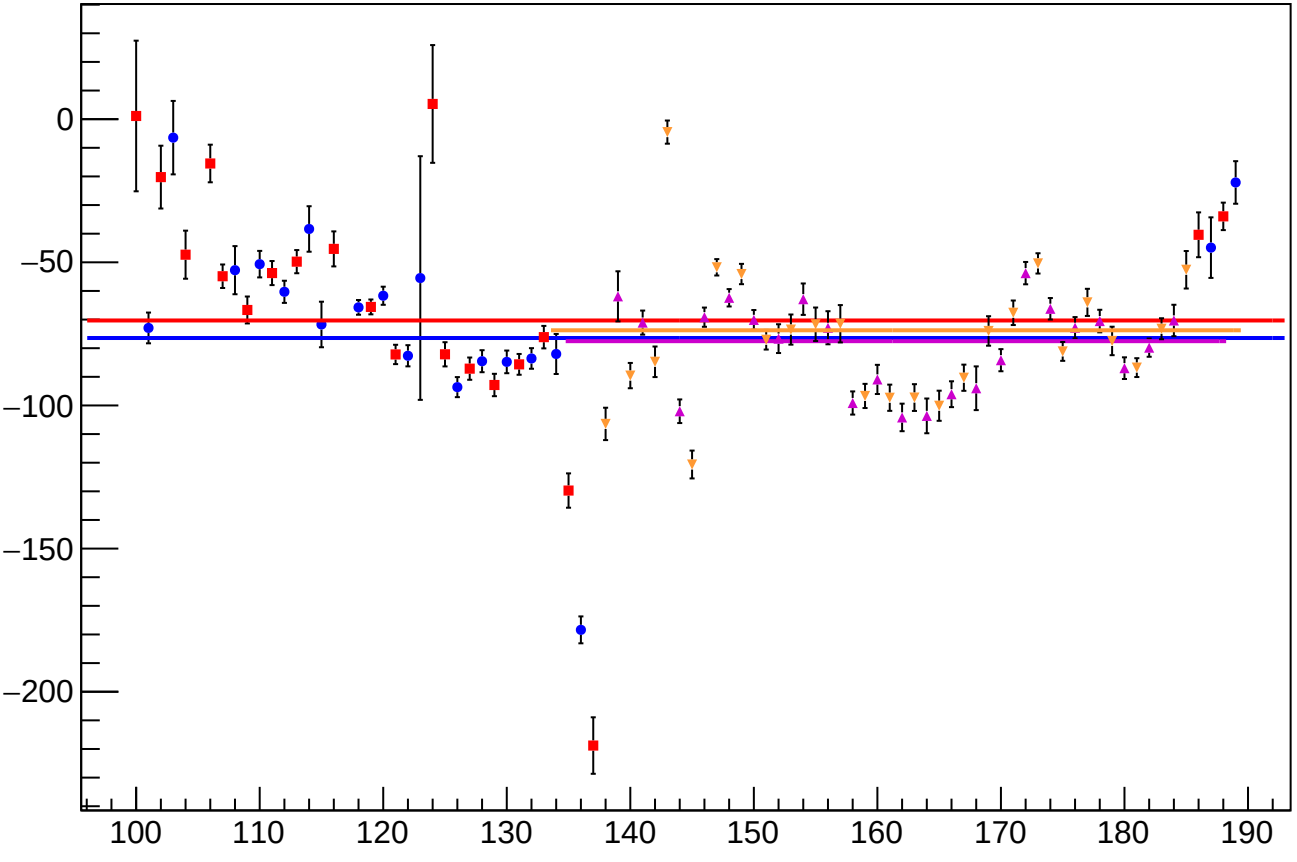
Right: -204.037+/-0.918 $\chi^2$/NDF: 2709.4/39

In: -172.968+/-0.819 $\chi^2$/NDF:3279.6/41

Out: -174.801+/-0.747 $\chi^2$/NDF:6113.4/45

All: -173.969+/-0.552 $\chi^2$/NDF: 9395.7/87

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -76.441+/-1.050 $\chi^2$/NDF: 722.3/18

Left Out: -73.741+/-0.855 $\chi^2$/NDF:728.3/24

Right Out: -70.316+/-1.021 $\chi^2$/NDF: 683.7/20

Left In: -77.545+/-0.880 $\chi^2$/NDF:252.7/22

Left: -75.587+/-0.613 $\chi^2$/NDF: 990.6/47

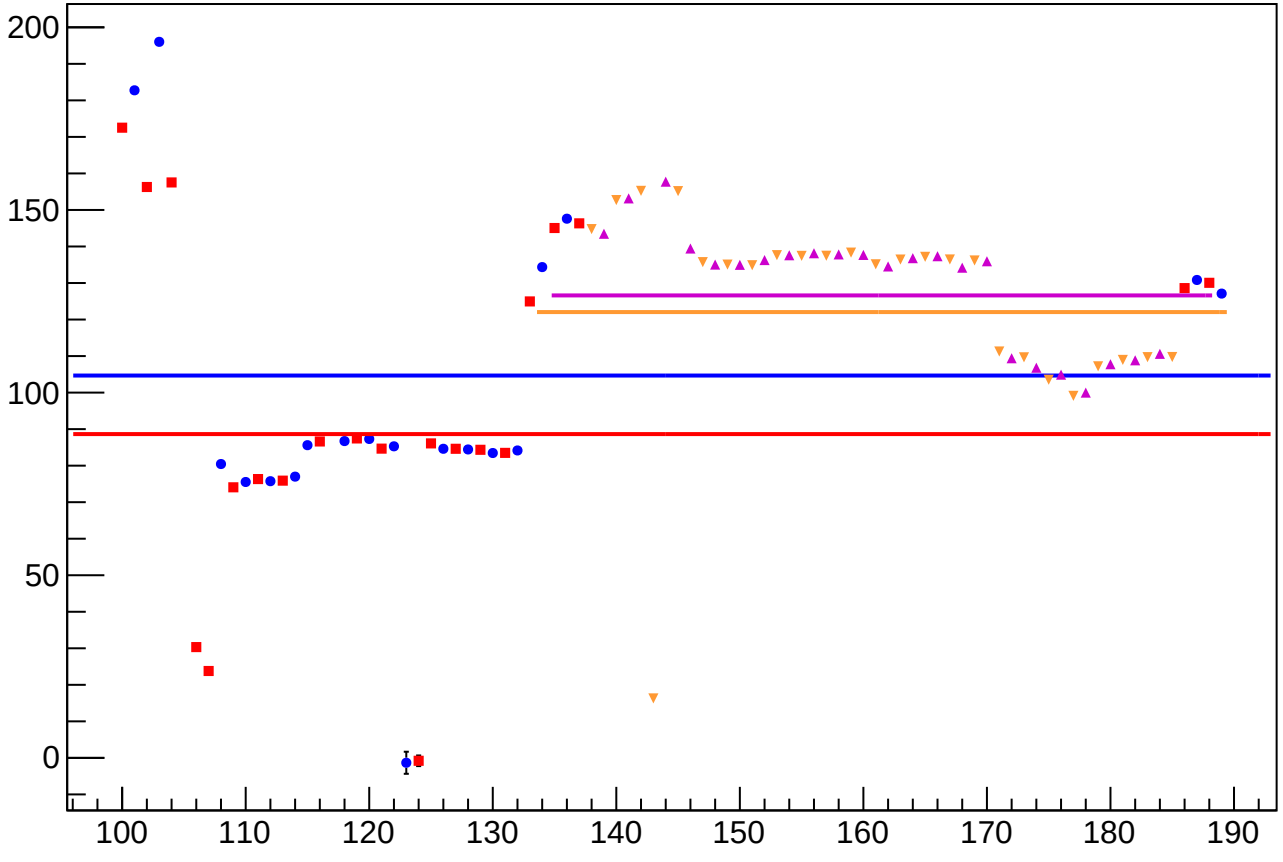
Right: -73.292+/-0.732 $\chi^2$/NDF: 1423.5/39

In: -77.089+/-0.674 $\chi^2$/NDF:975.7/41

Out: -72.329+/-0.655 $\chi^2$/NDF:1418.6/45

All: -74.641+/-0.470 $\chi^2$/NDF: 2419.9/87

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 104.670+/-0.068 $\chi^2$/NDF: 281029.5/18

Left Out: 122.046+/-0.040 $\chi^2$/NDF:437985.3/24

Right Out: 88.643+/-0.061 $\chi^2$/NDF: 462300.2/20

Left In: 126.605+/-0.041 $\chi^2$/NDF:164757.9/22

Left: 124.300+/-0.029 $\chi^2$/NDF: 609027.6/47

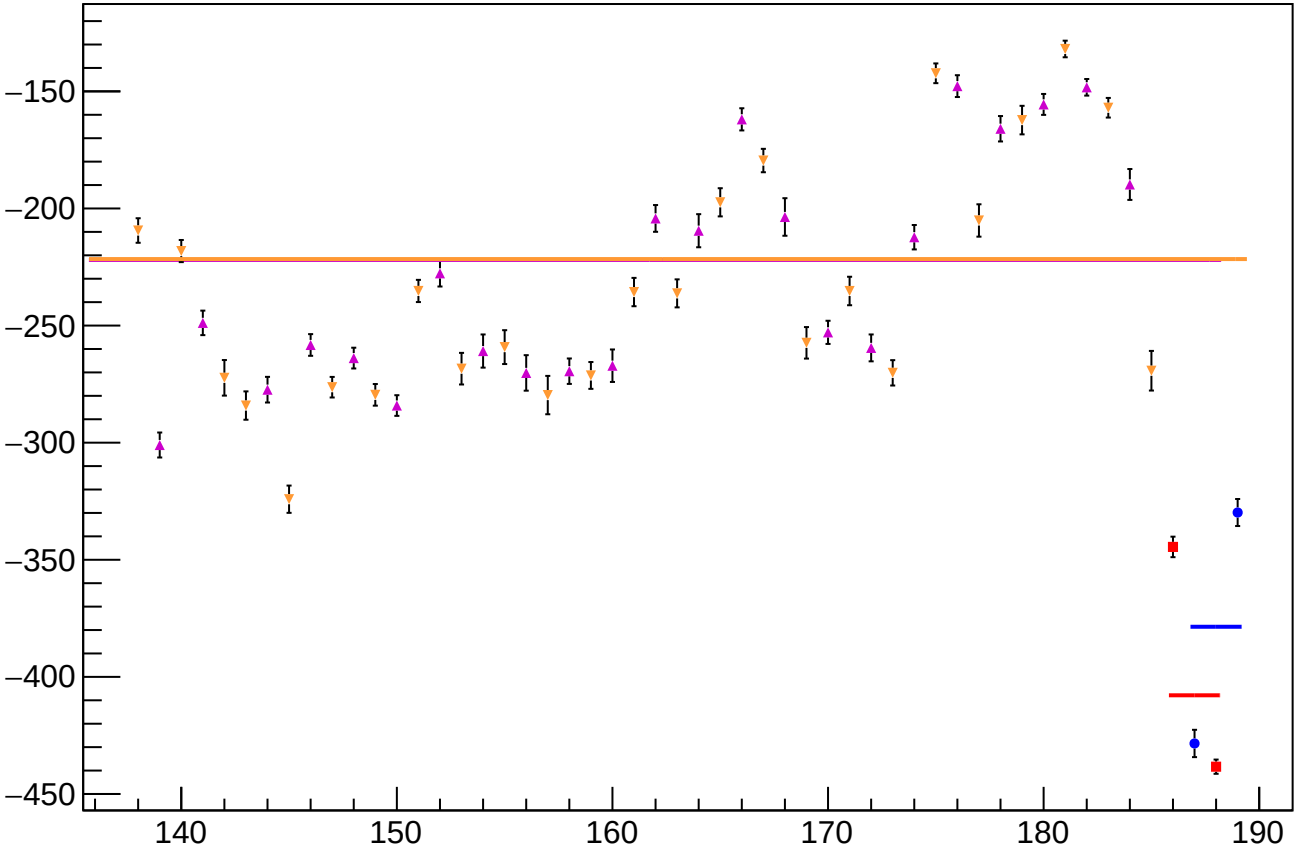
Right: 95.788+/-0.046 $\chi^2$/NDF: 773943.1/39

In: 120.804+/-0.035 $\chi^2$/NDF:521883.8/41

Out: 111.889+/-0.034 $\chi^2$/NDF:1107846.6/45

All: 116.173+/-0.024 $\chi^2$/NDF: 1663303.5/87

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -378.599+/-4.102 $\chi^2$/NDF: 144.5/1

Left Out: -221.606+/-1.087 $\chi^2$/NDF:2565.8/24

Right Out: -407.864+/-2.496 $\chi^2$/NDF: 310.0/1

Left In: -221.980+/-1.098 $\chi^2$/NDF:2190.6/22

Left: -221.791+/-0.773 $\chi^2$/NDF: 4756.5/47

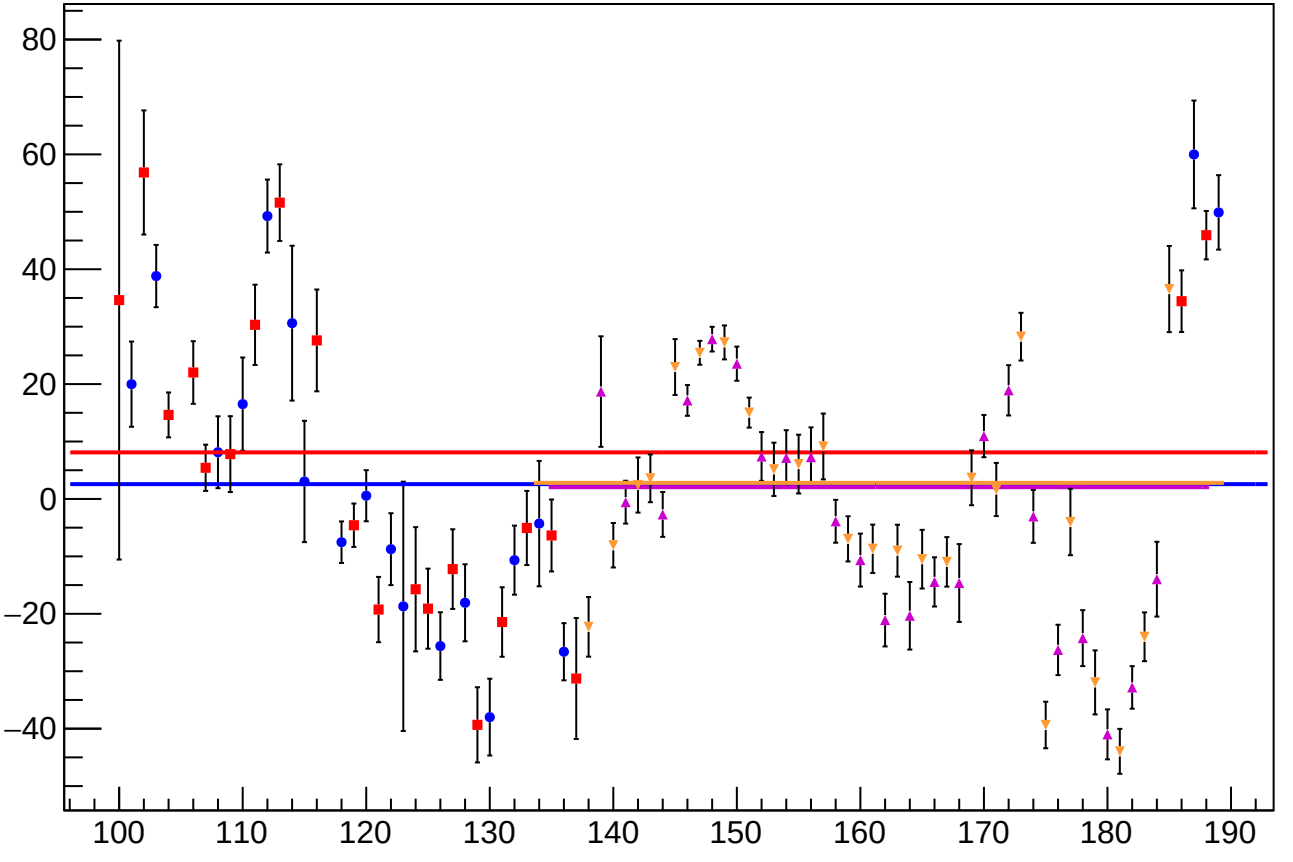
Right: -399.956+/-2.132 $\chi^2$/NDF: 491.6/3

In: -232.455+/-1.061 $\chi^2$/NDF:3695.6/24

Out: -251.316+/-0.997 $\chi^2$/NDF:7556.8/26

All: -242.471+/-0.726 $\chi^2$/NDF: 11420.3/51

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 2.578+/-1.456 $\chi^2$/NDF: 324.0/18

Left Out: 2.800+/-0.810 $\chi^2$/NDF:685.5/24

Right Out: 8.107+/-1.292 $\chi^2$/NDF: 355.3/20

Left In: 2.050+/-0.833 $\chi^2$/NDF:592.6/22

Left: 2.436+/-0.581 $\chi^2$/NDF: 1278.5/47

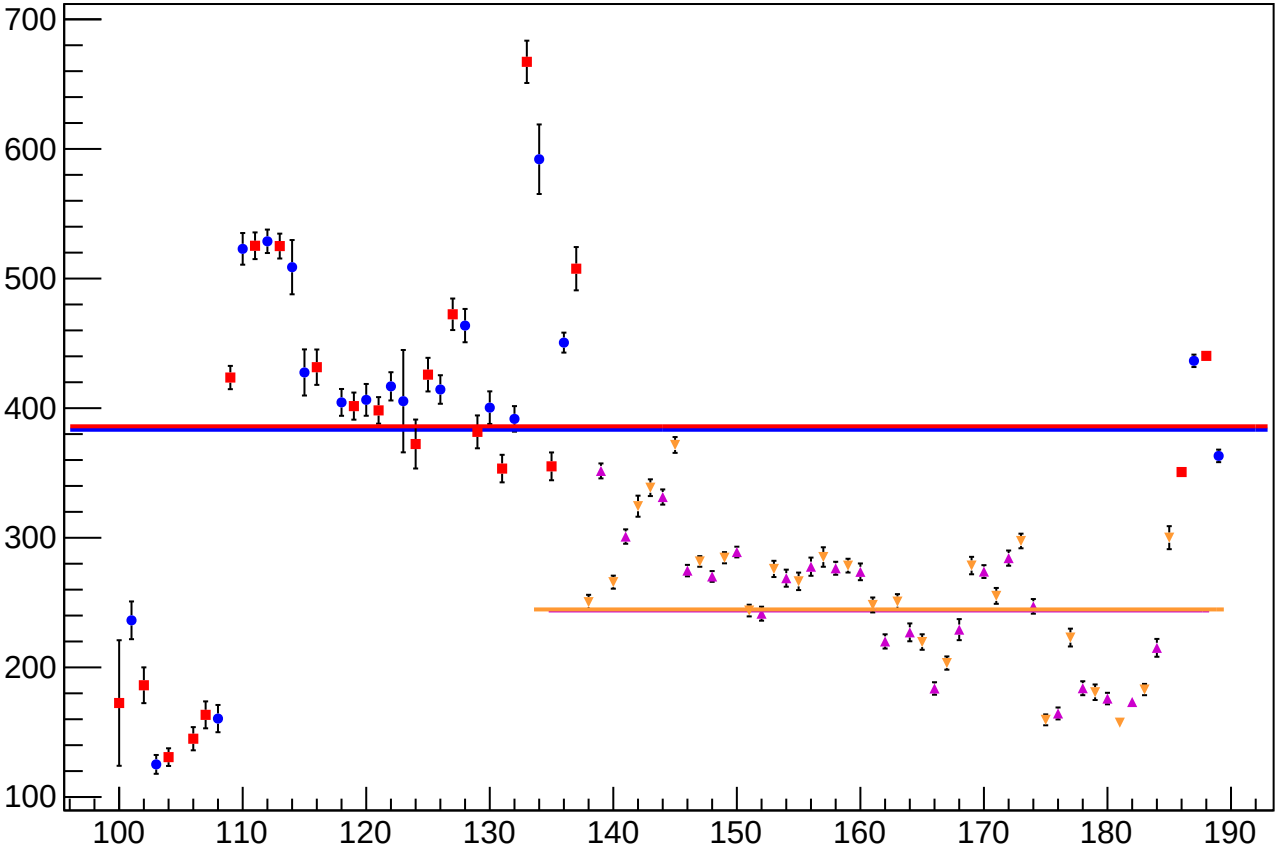
Right: 5.672+/-0.966 $\chi^2$/NDF: 687.4/39

In: 2.180+/-0.723 $\chi^2$/NDF:916.7/41

Out: 4.296+/-0.686 $\chi^2$/NDF:1053.0/45

All: 3.294+/-0.498 $\chi^2$/NDF: 1974.2/87

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 383.349+/-2.144 $\chi^2$/NDF: 2589.8/18

Left Out: 244.716+/-1.085 $\chi^2$/NDF:2565.7/24

Right Out: 386.009+/-1.577 $\chi^2$/NDF: 4268.6/20

Left In: 243.933+/-1.090 $\chi^2$/NDF:2294.8/22

Left: 244.327+/-0.769 $\chi^2$/NDF: 4860.7/47

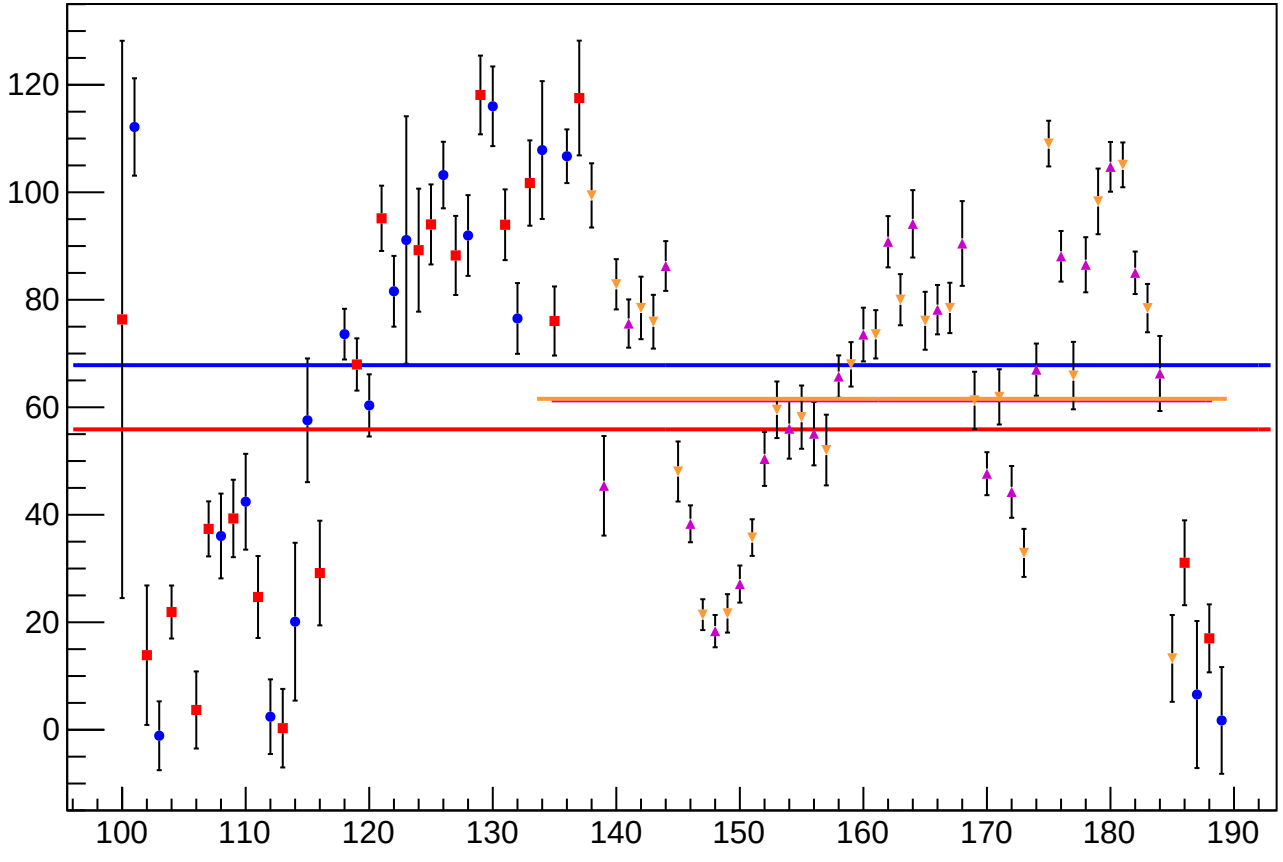
Right: 385.075+/-1.270 $\chi^2$/NDF: 6859.4/39

In: 272.576+/-0.972 $\chi^2$/NDF:8245.2/41

Out: 290.098+/-0.894 $\chi^2$/NDF:12286.0/45

All: 282.070+/-0.658 $\chi^2$/NDF: 20707.4/87

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 67.834+/-1.703 $\chi^2$/NDF: 494.4/18

Left Out: 61.575+/-0.939 $\chi^2$/NDF:870.3/24

Right Out: 55.891+/-1.550 $\chi^2$/NDF: 543.6/20

Left In: 61.286+/-0.959 $\chi^2$/NDF:702.8/22

Left: 61.434+/-0.671 $\chi^2$/NDF: 1573.1/47

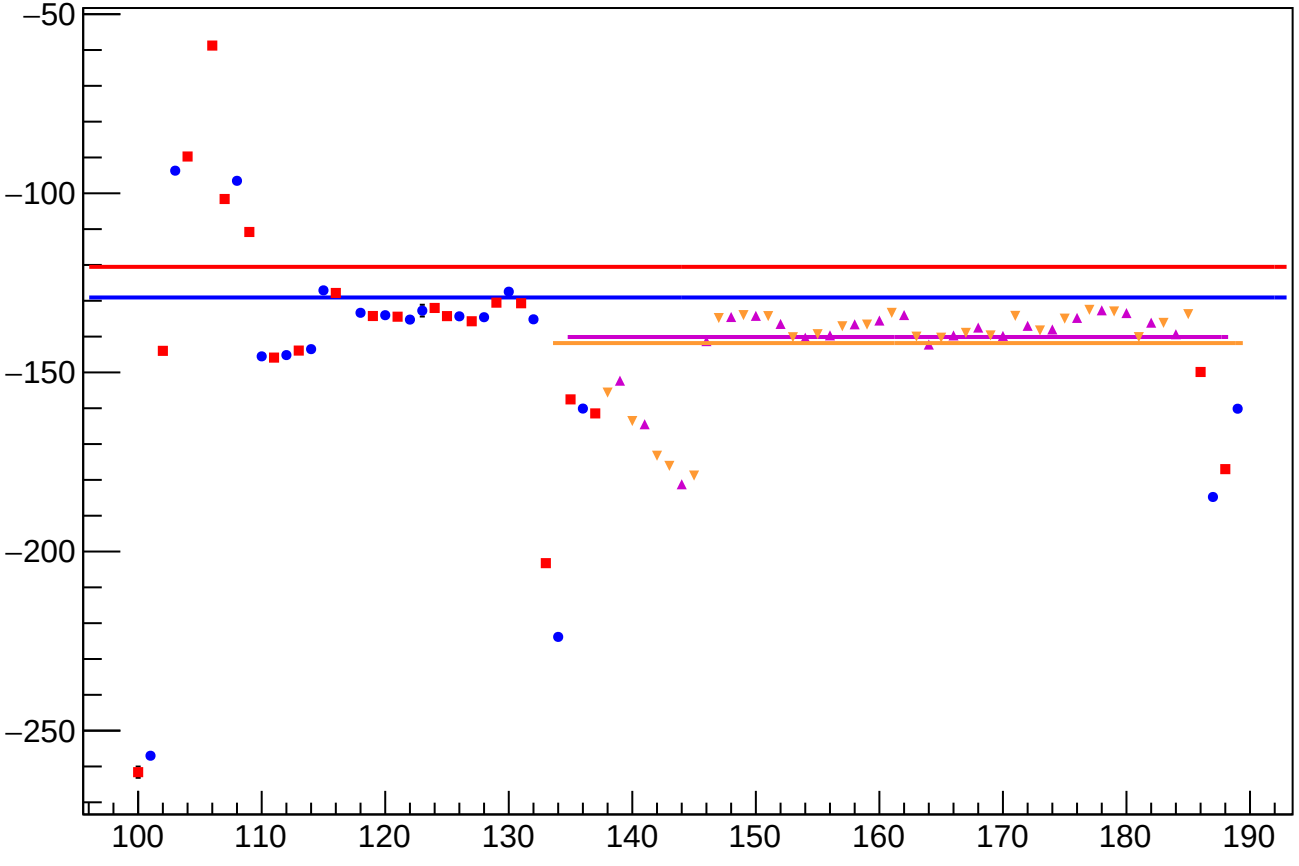
Right: 61.303+/-1.147 $\chi^2$/NDF: 1064.9/39

In: 62.862+/-0.836 $\chi^2$/NDF:1208.4/41

Out: 60.050+/-0.803 $\chi^2$/NDF:1423.7/45

All: 61.400+/-0.579 $\chi^2$/NDF: 2638.0/87

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -129.079+/-0.087 $\chi^2$/NDF: 177504.4/18

Left Out: -141.811+/-0.045 $\chi^2$/NDF:77727.6/24

Right Out: -120.532+/-0.080 $\chi^2$/NDF: 201838.8/20

Left In: -140.112+/-0.045 $\chi^2$/NDF:48400.6/22

Left: -140.962+/-0.032 $\chi^2$/NDF: 126846.5/47

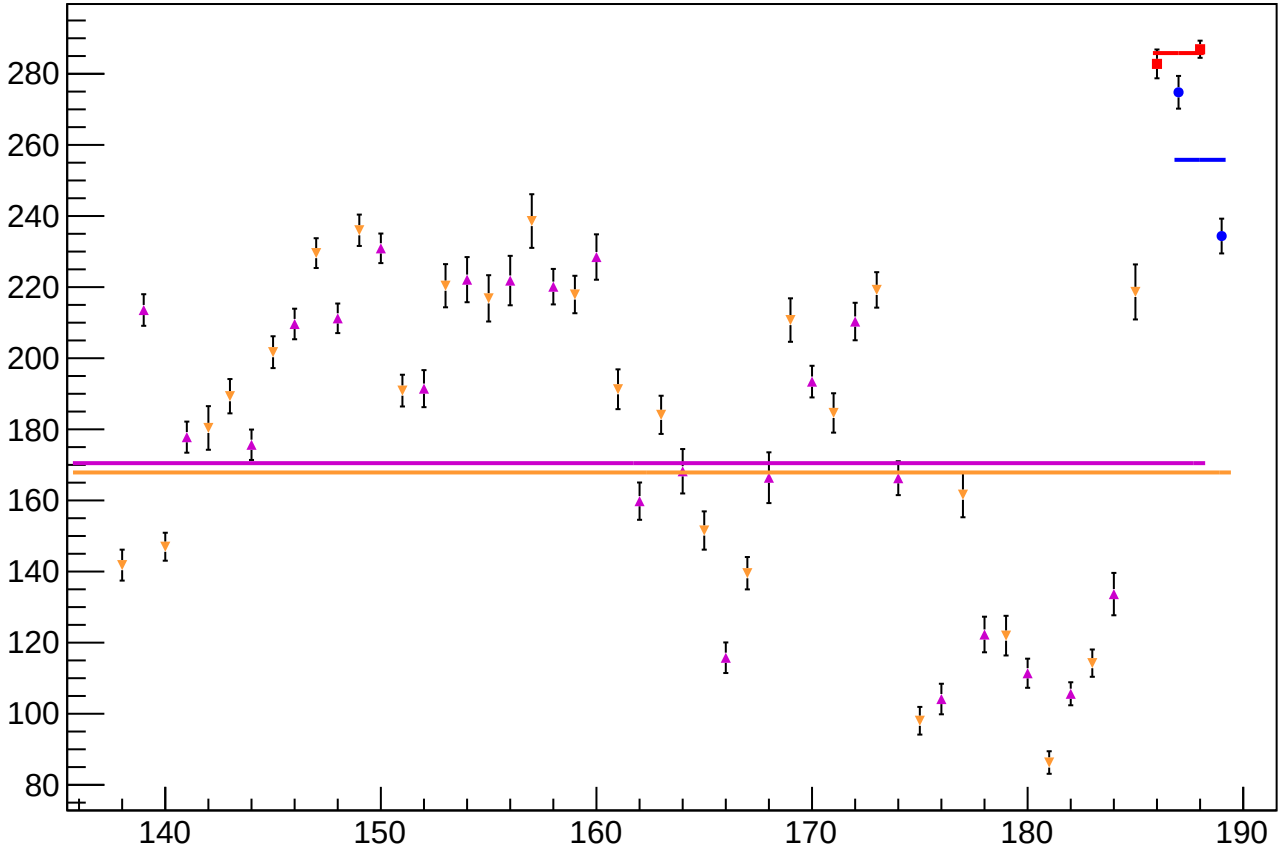
Right: -124.422+/-0.059 $\chi^2$/NDF: 384584.4/39

In: -137.804+/-0.040 $\chi^2$/NDF:238577.0/41

Out: -136.695+/-0.039 $\chi^2$/NDF:333784.5/45

All: -137.238+/-0.028 $\chi^2$/NDF: 572755.9/87

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 255.805+/-3.351 $\chi^2$/NDF: 36.3/1

Left Out: 167.868+/-0.973 $\chi^2$/NDF:2465.4/24

Right Out: 285.833+/-2.072 $\chi^2$/NDF: 0.8/1

Left In: 170.487+/-0.991 $\chi^2$/NDF:2036.5/22

Left: 169.154+/-0.695 $\chi^2$/NDF: 4505.5/47

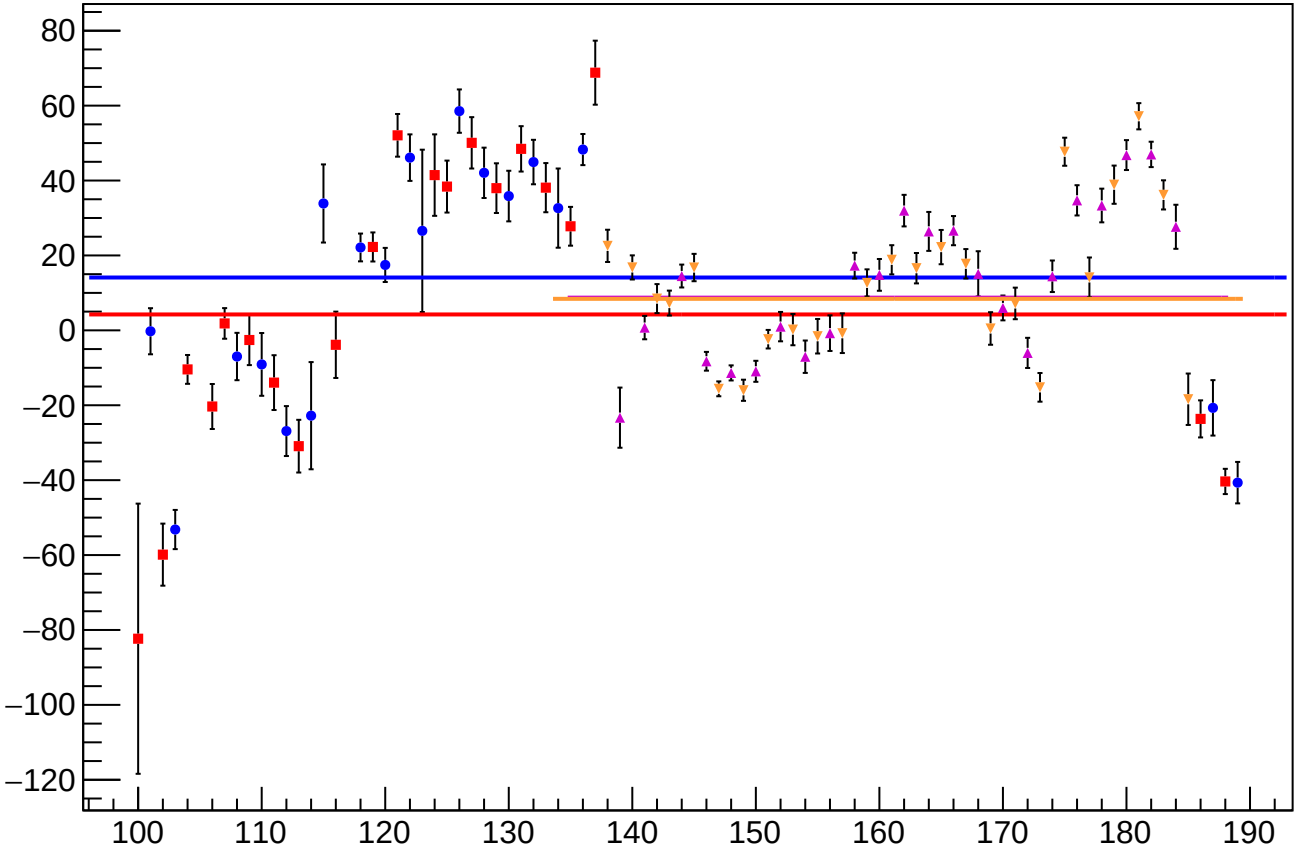
Right: 277.530+/-1.762 $\chi^2$/NDF: 95.1/3

In: 177.352+/-0.950 $\chi^2$/NDF:2668.9/24

Out: 189.205+/-0.881 $\chi^2$/NDF:5122.4/26

All: 183.727+/-0.646 $\chi^2$/NDF: 7875.0/51

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 14.108+/-1.404 $\chi^2$/NDF: 574.0/18

Left Out: 8.415+/-0.731 $\chi^2$/NDF:750.6/24

Right Out: 4.245+/-1.245 $\chi^2$/NDF: 692.9/20

Left In: 8.730+/-0.757 $\chi^2$/NDF:630.1/22

Left: 8.567+/-0.526 $\chi^2$/NDF: 1380.7/47

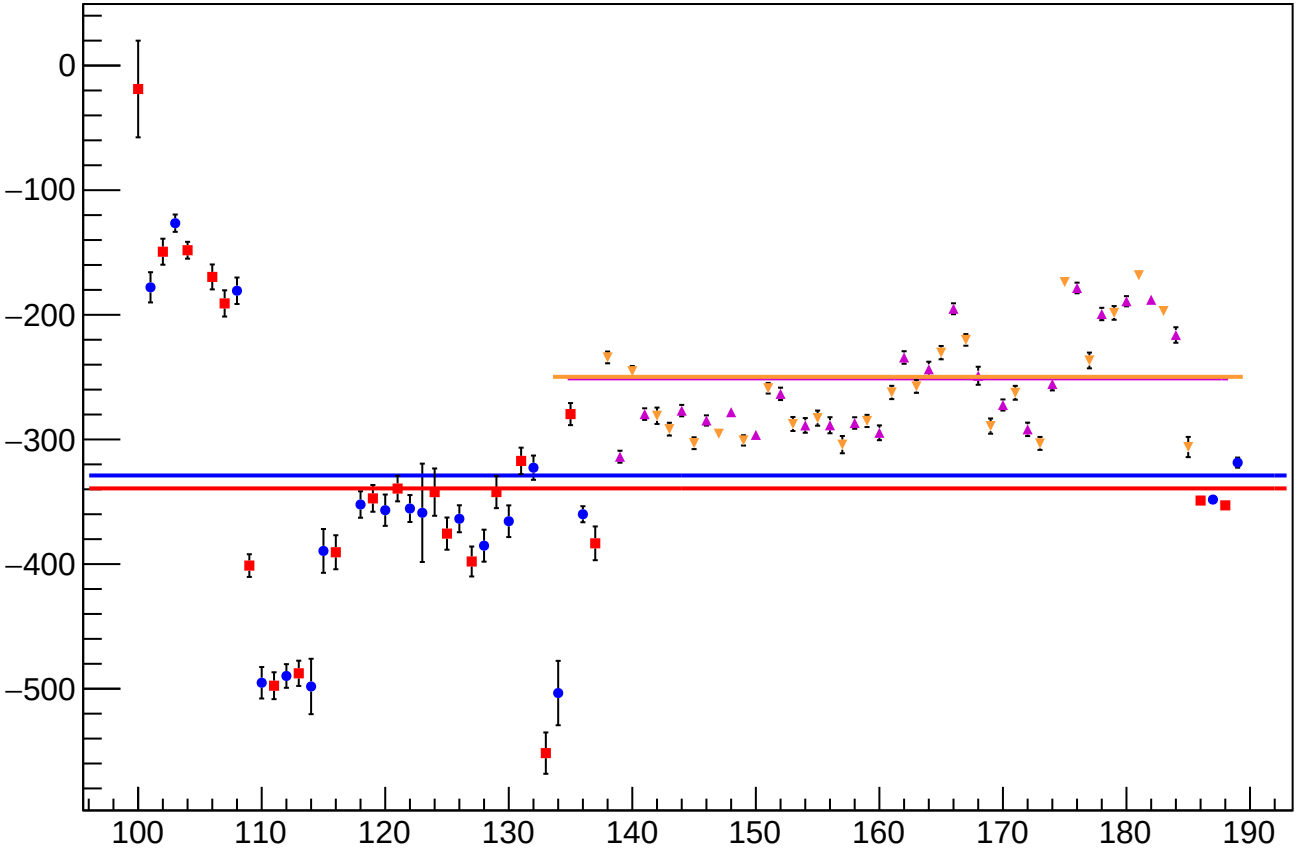
Right: 8.589+/-0.931 $\chi^2$/NDF: 1294.6/39

In: 9.941+/-0.666 $\chi^2$/NDF:1215.5/41

Out: 7.346+/-0.630 $\chi^2$/NDF:1451.8/45

All: 8.572+/-0.458 $\chi^2$/NDF: 2675.4/87

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -328.904+/-1.921 $\chi^2$/NDF: 1887.2/18

Left Out: -249.759+/-0.975 $\chi^2$/NDF:2232.5/24

Right Out: -339.283+/-1.386 $\chi^2$/NDF: 2491.1/20

Left In: -251.002+/-0.987 $\chi^2$/NDF:1958.3/22

Left: -250.374+/-0.694 $\chi^2$/NDF: 4191.7/47

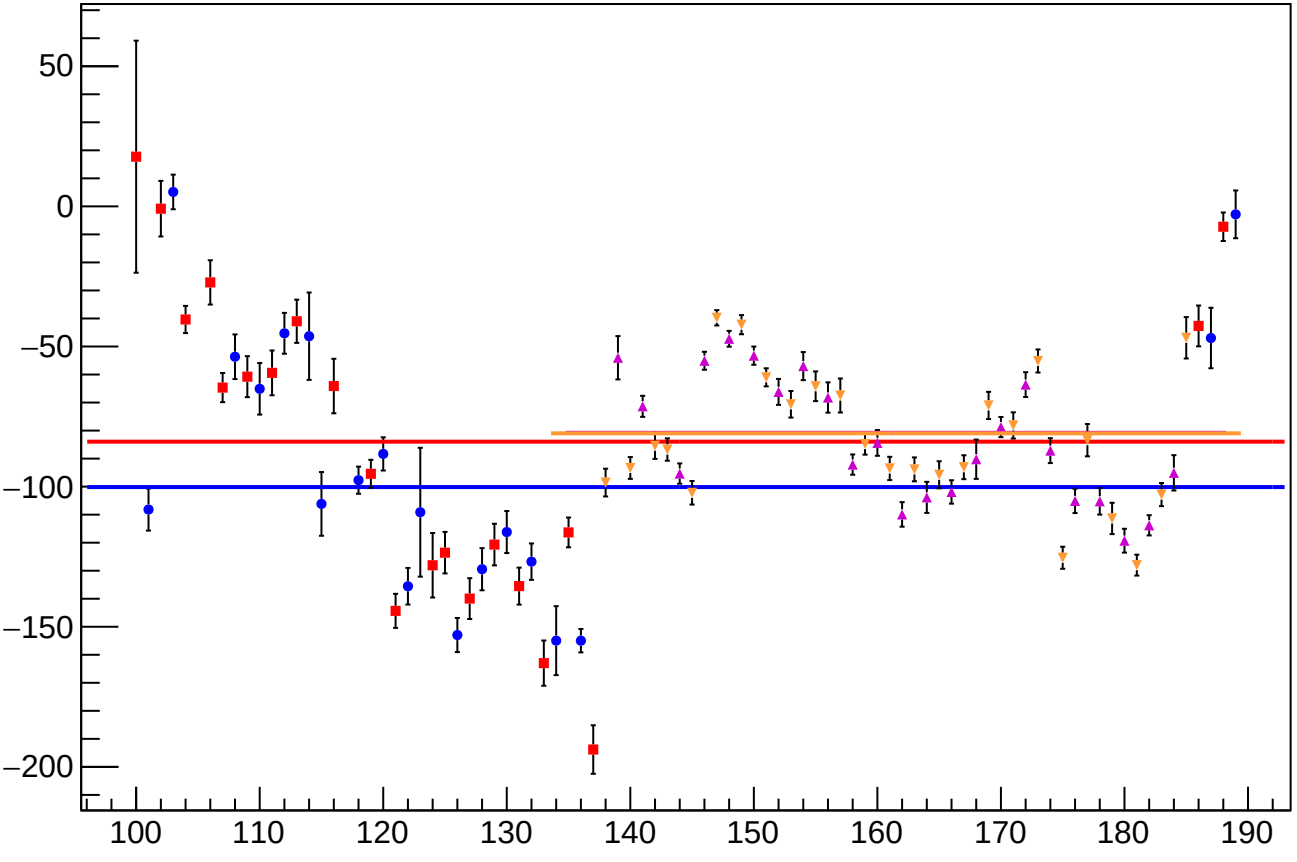
Right: -335.727+/-1.124 $\chi^2$/NDF: 4397.5/39

In: -267.272+/-0.878 $\chi^2$/NDF:5147.2/41

Out: -279.388+/-0.798 $\chi^2$/NDF:7512.9/45

All: -273.907+/-0.590 $\chi^2$/NDF: 12764.5/87

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -100.156+/-1.642 $\chi^2$/NDF: 901.5/18

Left Out: -80.981+/-0.846 $\chi^2$/NDF:911.2/24

Right Out: -83.954+/-1.503 $\chi^2$/NDF: 1122.6/20

Left In: -80.803+/-0.870 $\chi^2$/NDF:695.4/22

Left: -80.895+/-0.606 $\chi^2$/NDF: 1606.6/47

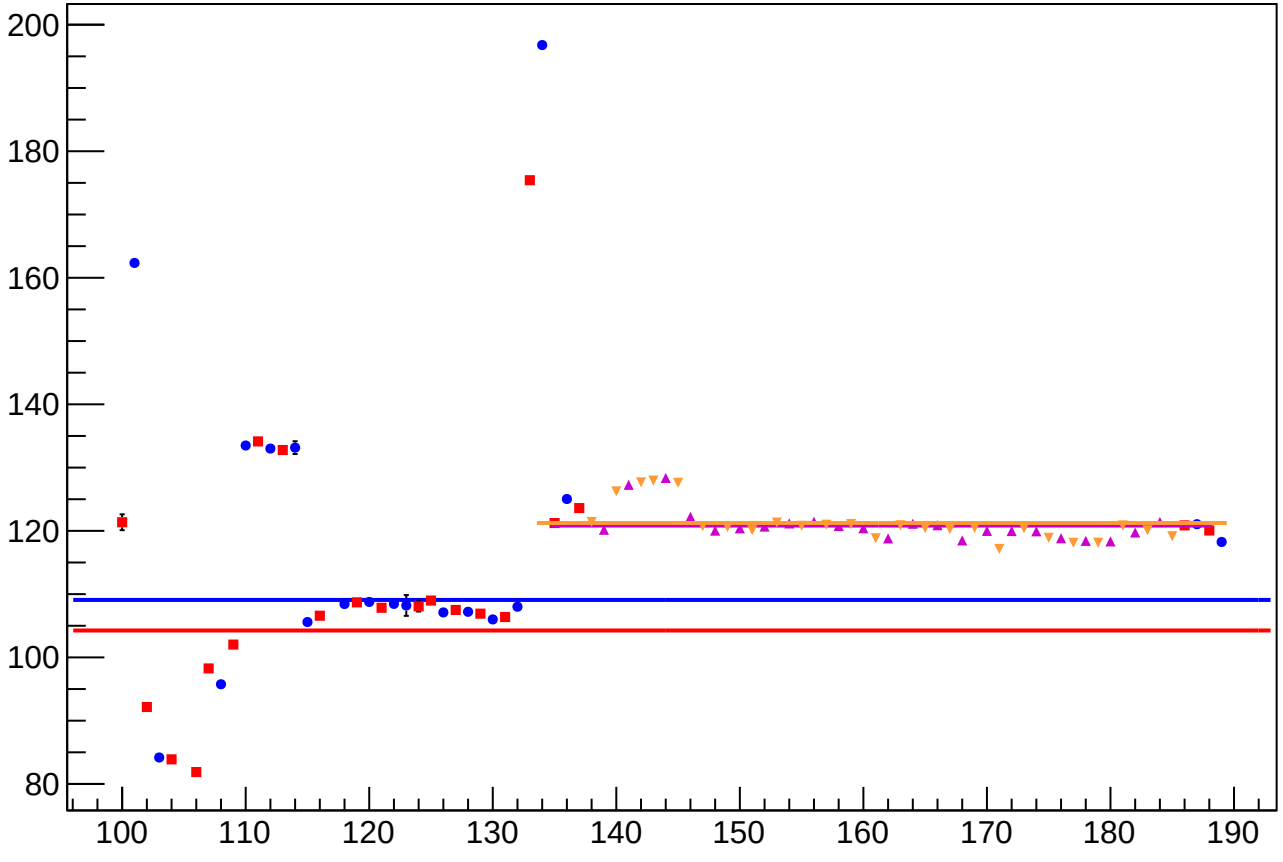
Right: -91.343+/-1.109 $\chi^2$/NDF: 2077.0/39

In: -85.045+/-0.769 $\chi^2$/NDF:1705.4/41

Out: -81.696+/-0.737 $\chi^2$/NDF:2036.8/45

All: -83.301+/-0.532 $\chi^2$/NDF: 3752.0/87

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 109.085+/-0.082 $\chi^2$/NDF: 74242.9/18

Left Out: 121.248+/-0.040 $\chi^2$/NDF:4820.1/24

Right Out: 104.254+/-0.076 $\chi^2$/NDF: 57857.5/20

Left In: 120.834+/-0.041 $\chi^2$/NDF:3372.4/22

Left: 121.043+/-0.029 $\chi^2$/NDF: 8245.1/47

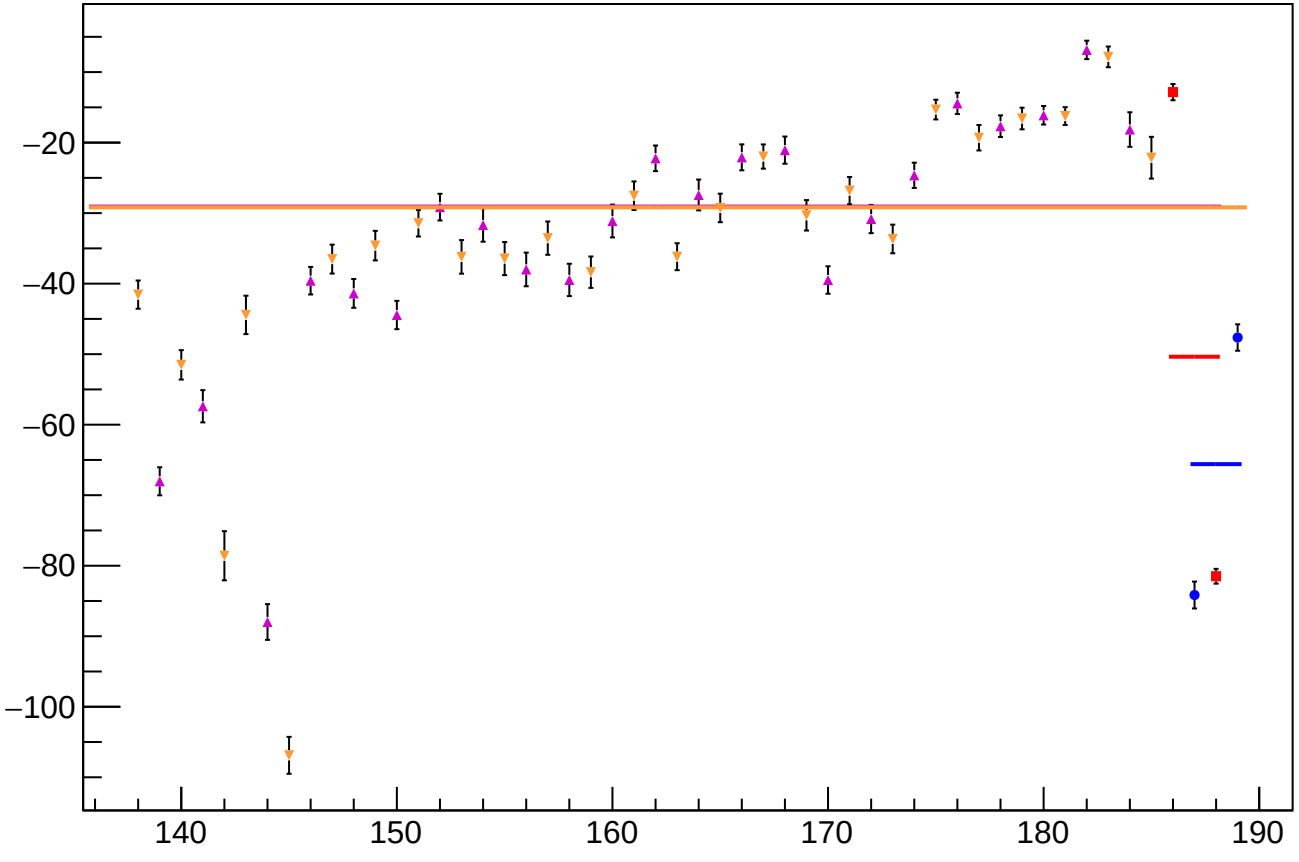
Right: 106.467+/-0.056 $\chi^2$/NDF: 133972.3/39

In: 118.538+/-0.036 $\chi^2$/NDF:94053.4/41

Out: 117.498+/-0.036 $\chi^2$/NDF:102079.8/45

All: 118.006+/-0.025 $\chi^2$/NDF: 196552.4/87

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -65.595+/-1.336 $\chi^2$/NDF: 186.6/1

Left Out: -29.182+/-0.389 $\chi^2$/NDF:1880.4/24

Right Out: -50.364+/-0.776 $\chi^2$/NDF: 1941.0/1

Left In: -29.073+/-0.394 $\chi^2$/NDF:1872.4/22

Left: -29.128+/-0.277 $\chi^2$/NDF: 3752.8/47

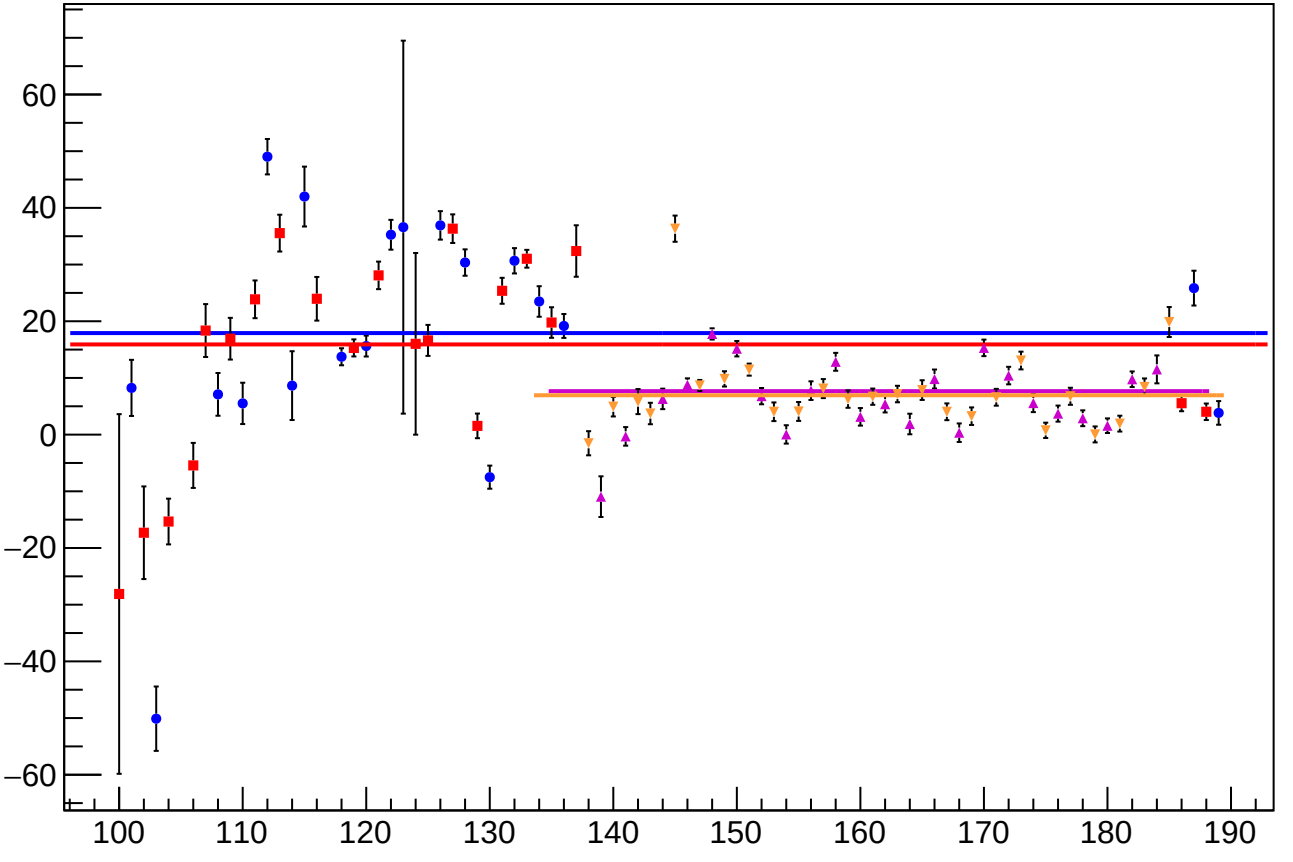
Right: -54.202+/-0.671 $\chi^2$/NDF: 2224.8/3

In: -31.991+/-0.378 $\chi^2$/NDF:2746.2/24

Out: -33.442+/-0.348 $\chi^2$/NDF:4417.0/26

All: -32.776+/-0.256 $\chi^2$/NDF: 7171.2/51

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 17.913+/-0.603 $\chi^2$/NDF: 673.6/18

Left Out: 6.943+/-0.304 $\chi^2$/NDF:322.6/24

Right Out: 15.912+/-0.543 $\chi^2$/NDF: 534.2/20

Left In: 7.666+/-0.313 $\chi^2$/NDF:341.1/22

Left: 7.294+/-0.218 $\chi^2$/NDF: 666.5/47

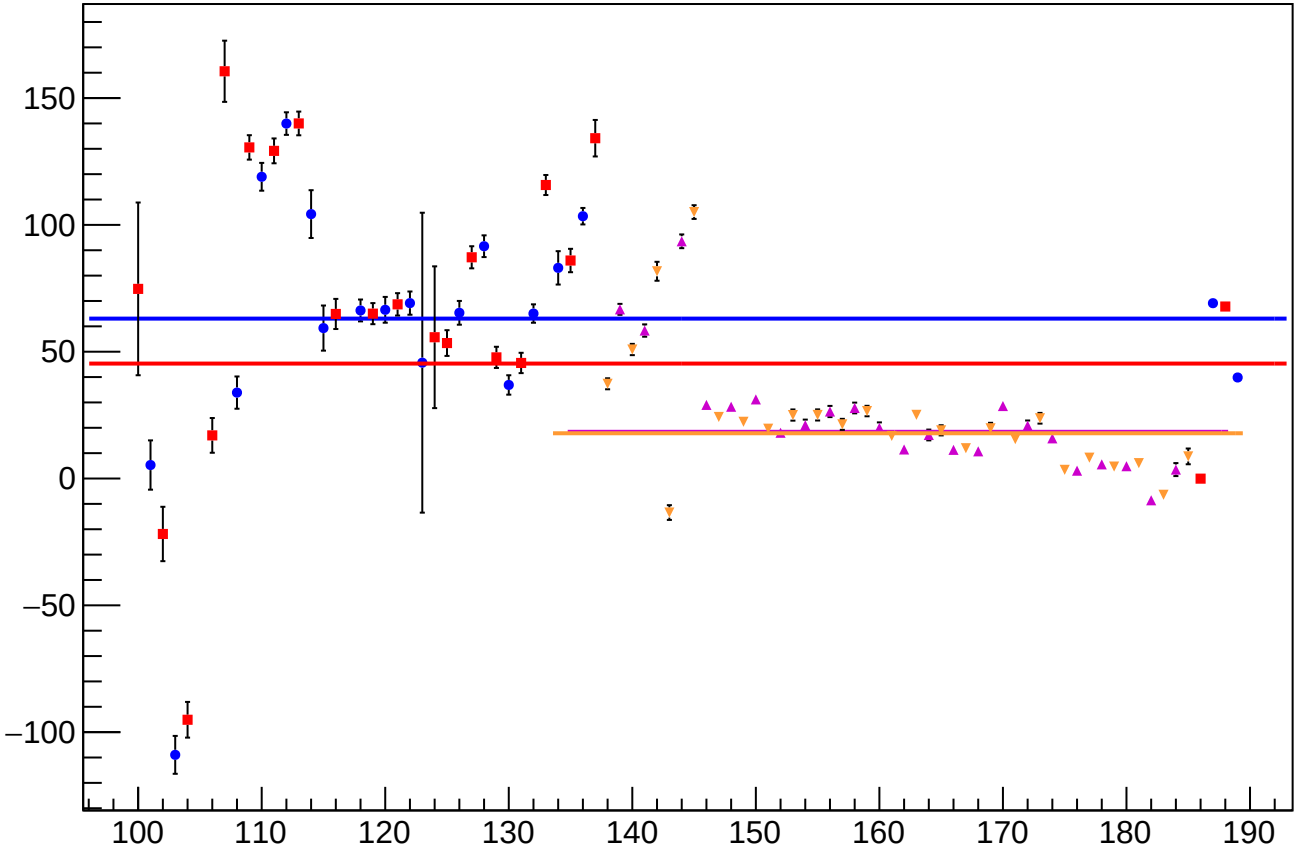
Right: 16.809+/-0.404 $\chi^2$/NDF: 1213.9/39

In: 9.838+/-0.278 $\chi^2$/NDF:1242.3/41

Out: 9.077+/-0.265 $\chi^2$/NDF:1064.4/45

All: 9.440+/-0.192 $\chi^2$/NDF: 2310.6/87

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 63.048+/-0.826 $\chi^2$/NDF: 1493.7/18

Left Out: 17.841+/-0.388 $\chi^2$/NDF:2399.7/24

Right Out: 45.321+/-0.555 $\chi^2$/NDF: 5404.1/20

Left In: 18.416+/-0.391 $\chi^2$/NDF:2468.4/22

Left: 18.126+/-0.275 $\chi^2$/NDF: 4869.1/47

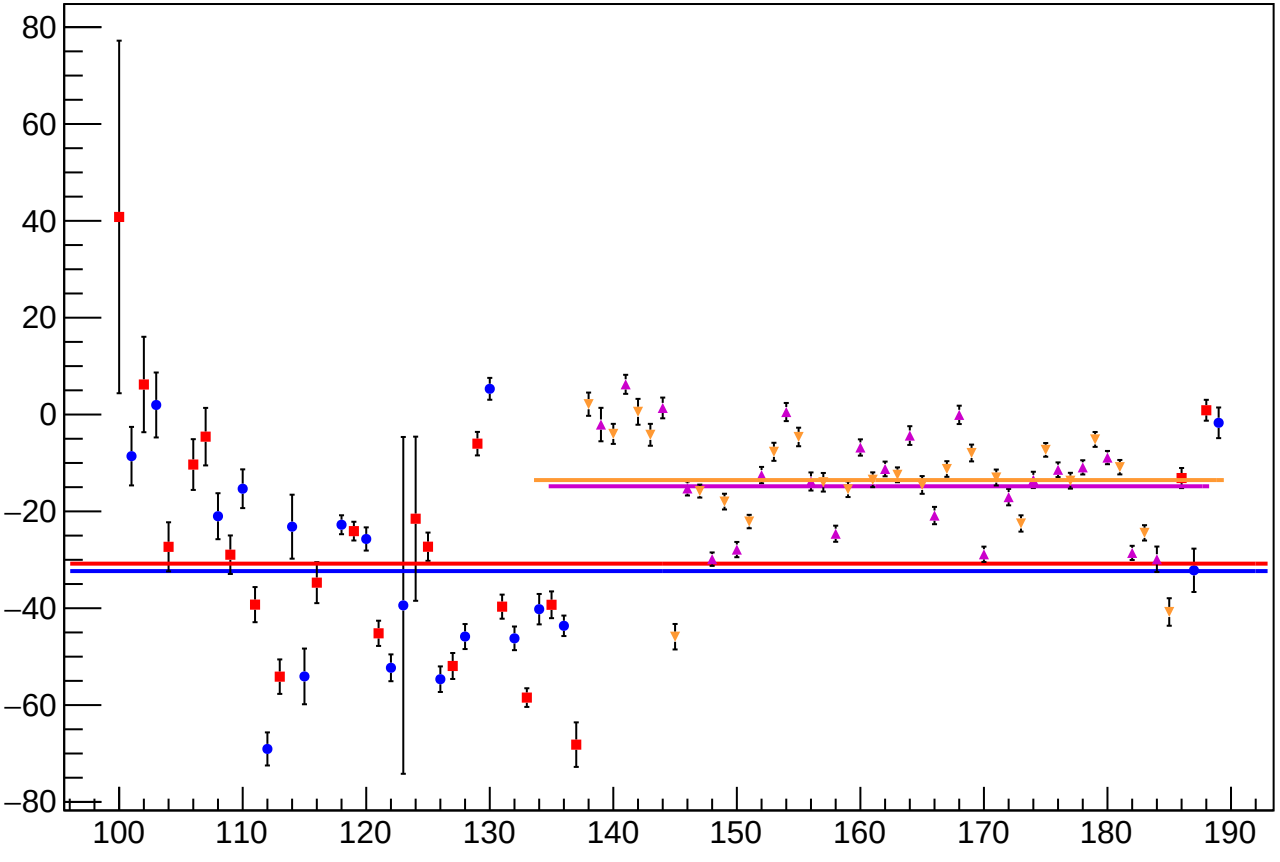
Right: 50.830+/-0.461 $\chi^2$/NDF: 7215.0/39

In: 26.590+/-0.354 $\chi^2$/NDF:6345.3/41

Out: 26.860+/-0.318 $\chi^2$/NDF:9451.7/45

All: 26.739+/-0.236 $\chi^2$/NDF: 15797.2/87

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -32.329+/-0.708 $\chi^2$/NDF: 818.5/18

Left Out: -13.535+/-0.345 $\chi^2$/NDF:574.6/24

Right Out: -30.793+/-0.661 $\chi^2$/NDF: 896.0/20

Left In: -14.815+/-0.353 $\chi^2$/NDF:838.2/22

Left: -14.159+/-0.247 $\chi^2$/NDF: 1419.5/47

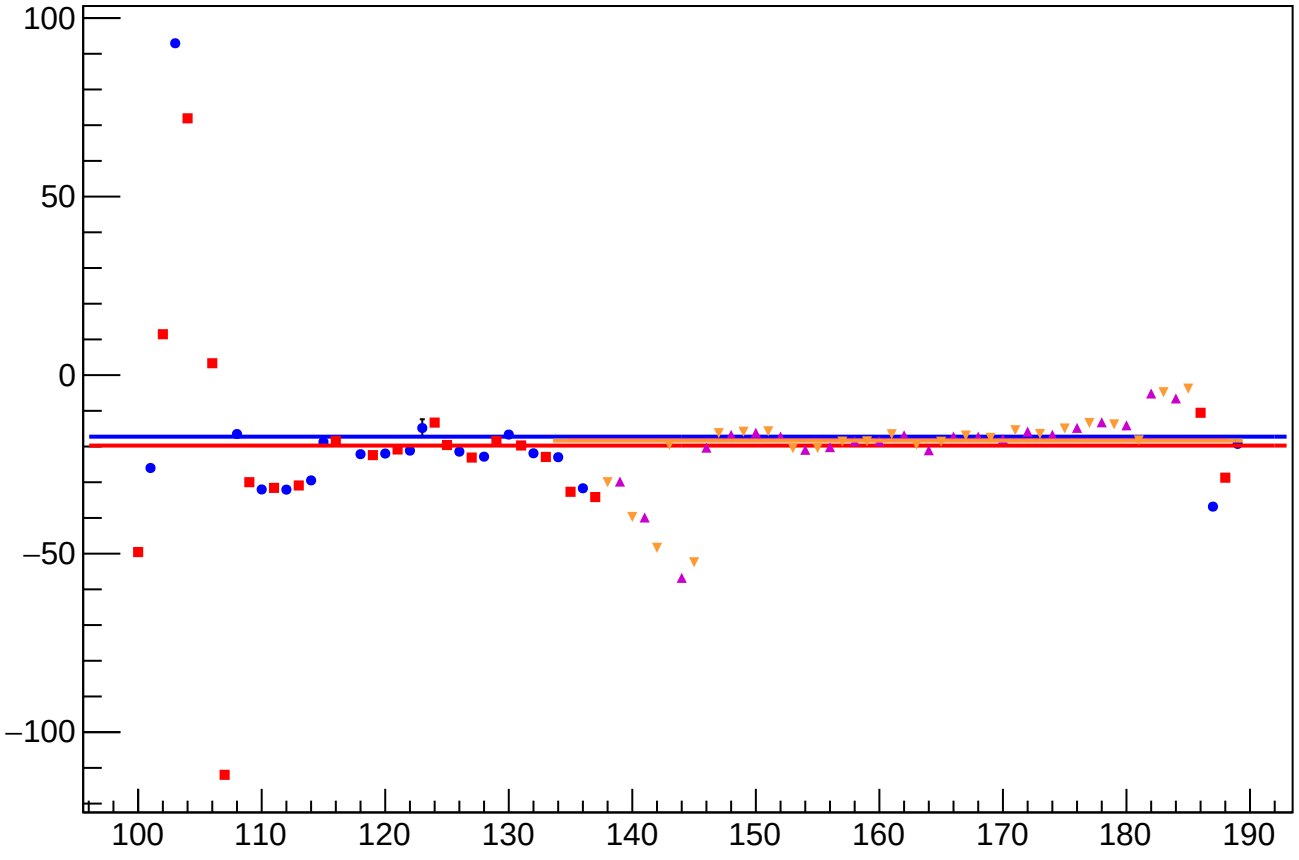
Right: -31.508+/-0.483 $\chi^2$/NDF: 1717.1/39

In: -18.303+/-0.316 $\chi^2$/NDF:2146.7/41

Out: -17.225+/-0.306 $\chi^2$/NDF:2006.6/45

All: -17.746+/-0.220 $\chi^2$/NDF: 4159.3/87

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -17.237+/-0.042 $\chi^2$/NDF: 480959.8/18

Left Out: -18.337+/-0.016 $\chi^2$/NDF:283793.3/24

Right Out: -19.732+/-0.040 $\chi^2$/NDF: 445495.0/20

Left In: -18.135+/-0.016 $\chi^2$/NDF:245650.3/22

Left: -18.237+/-0.011 $\chi^2$/NDF: 529524.6/47

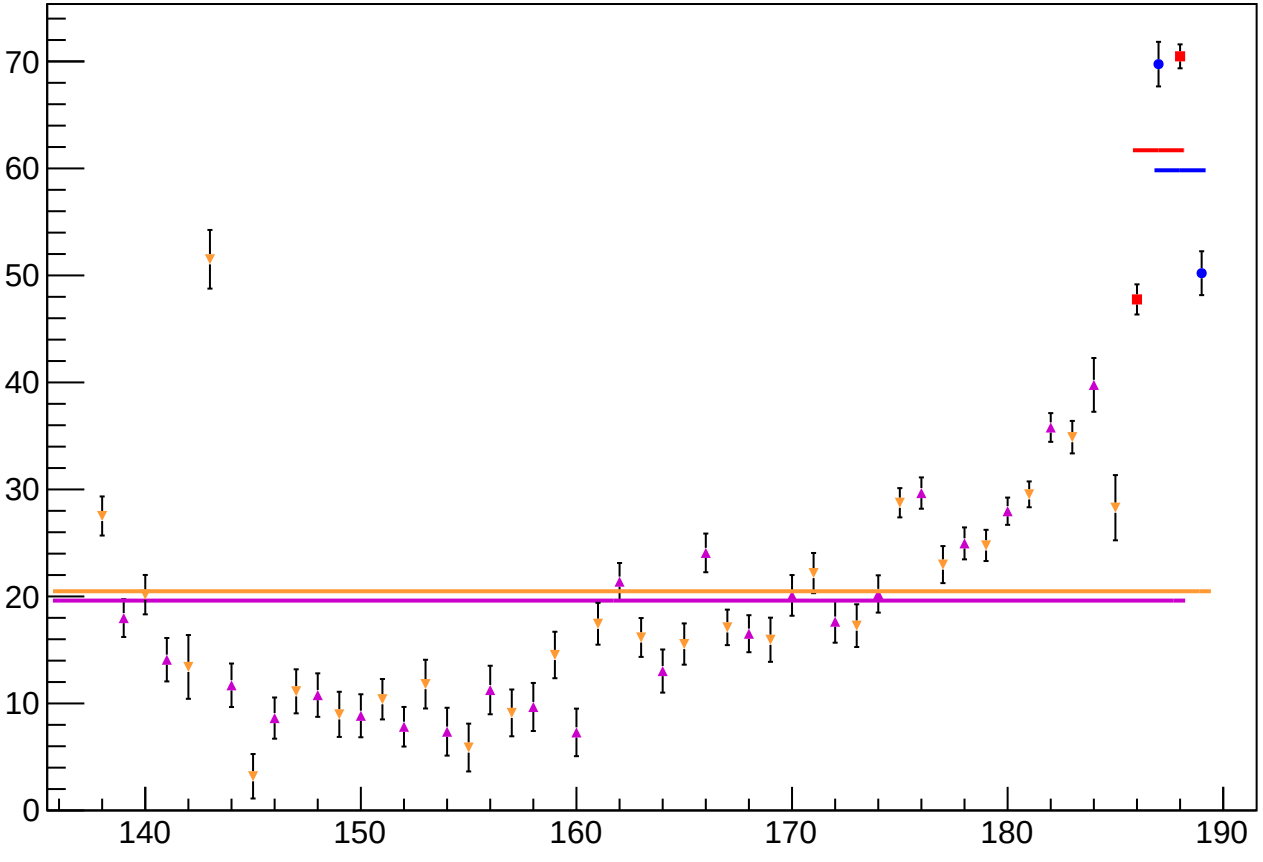
Right: -18.531+/-0.029 $\chi^2$/NDF: 928321.7/39

In: -18.018+/-0.015 $\chi^2$/NDF:727016.0/41

Out: -18.527+/-0.015 $\chi^2$/NDF:730335.1/45

All: -18.276+/-0.011 $\chi^2$/NDF: 1457936.2/87

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 59.825+/-1.461 $\chi^2$/NDF: 44.7/1

Left Out: 20.485+/-0.374 $\chi^2$/NDF:615.7/24

Right Out: 61.697+/-0.876 $\chi^2$/NDF: 159.5/1

Left In: 19.612+/-0.379 $\chi^2$/NDF:572.7/22

Left: 20.054+/-0.266 $\chi^2$/NDF: 1191.1/47

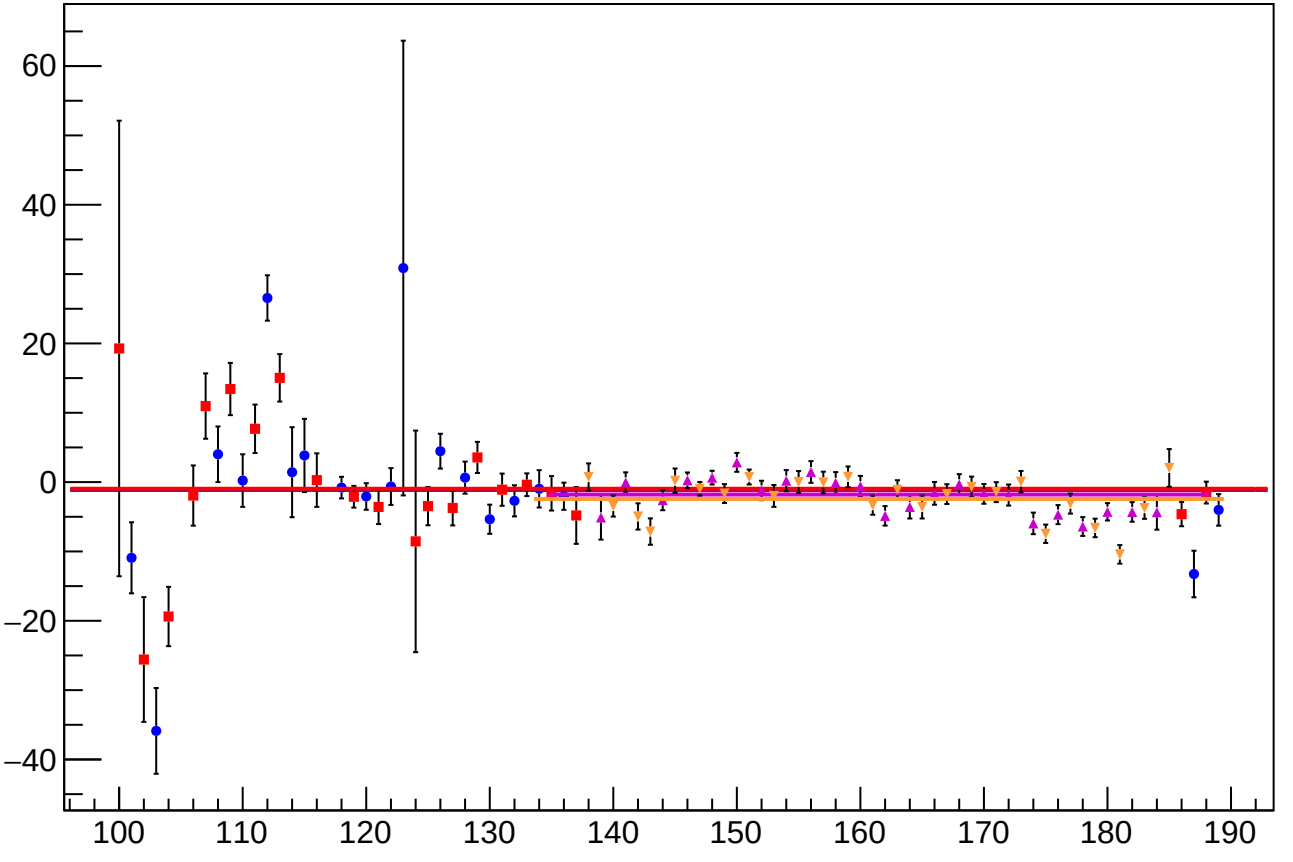
Right: 61.202+/-0.751 $\chi^2$/NDF: 205.4/3

In: 22.143+/-0.367 $\chi^2$/NDF:1327.4/24

Out: 26.829+/-0.344 $\chi^2$/NDF:2647.8/26

All: 24.636+/-0.251 $\chi^2$/NDF: 4062.2/51

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -1.113+/-0.617 $\chi^2$/NDF: 135.8/18

Left Out: -2.429+/-0.293 $\chi^2$/NDF:103.7/24

Right Out: -0.959+/-0.573 $\chi^2$/NDF: 89.1/20

Left In: -1.791+/-0.301 $\chi^2$/NDF:70.1/22

Left: -2.119+/-0.210 $\chi^2$/NDF: 176.1/47

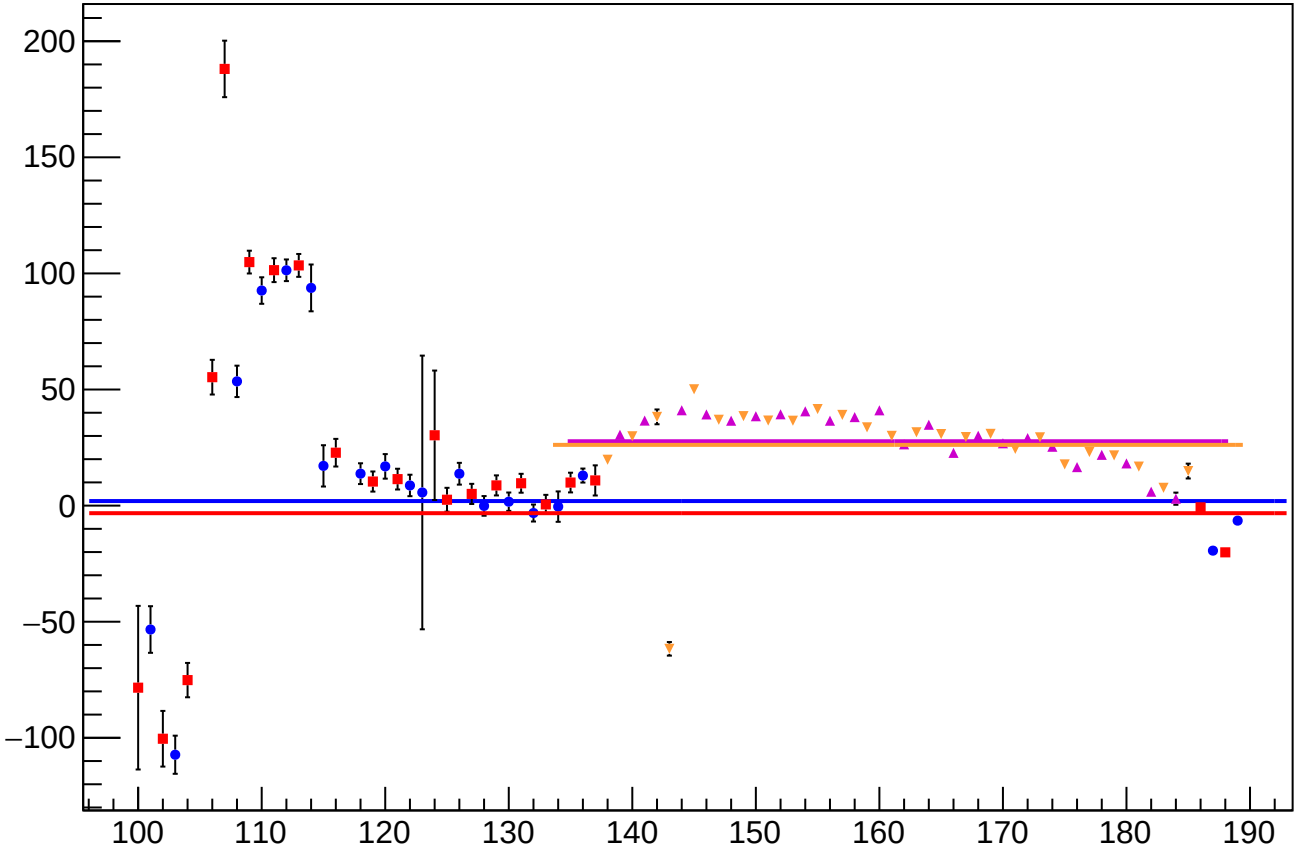
Right: -1.030+/-0.420 $\chi^2$/NDF: 224.9/39

In: -1.661+/-0.271 $\chi^2$/NDF:206.8/41

Out: -2.125+/-0.261 $\chi^2$/NDF:198.1/45

All: -1.901+/-0.188 $\chi^2$/NDF: 406.4/87

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 1.965+/-0.872 $\chi^2$/NDF: 1275.7/18

Left Out: 26.164+/-0.373 $\chi^2$/NDF:1577.6/24

Right Out: -3.258+/-0.613 $\chi^2$/NDF: 2276.6/20

Left In: 27.725+/-0.377 $\chi^2$/NDF:805.1/22

Left: 26.936+/-0.265 $\chi^2$/NDF: 2391.3/47

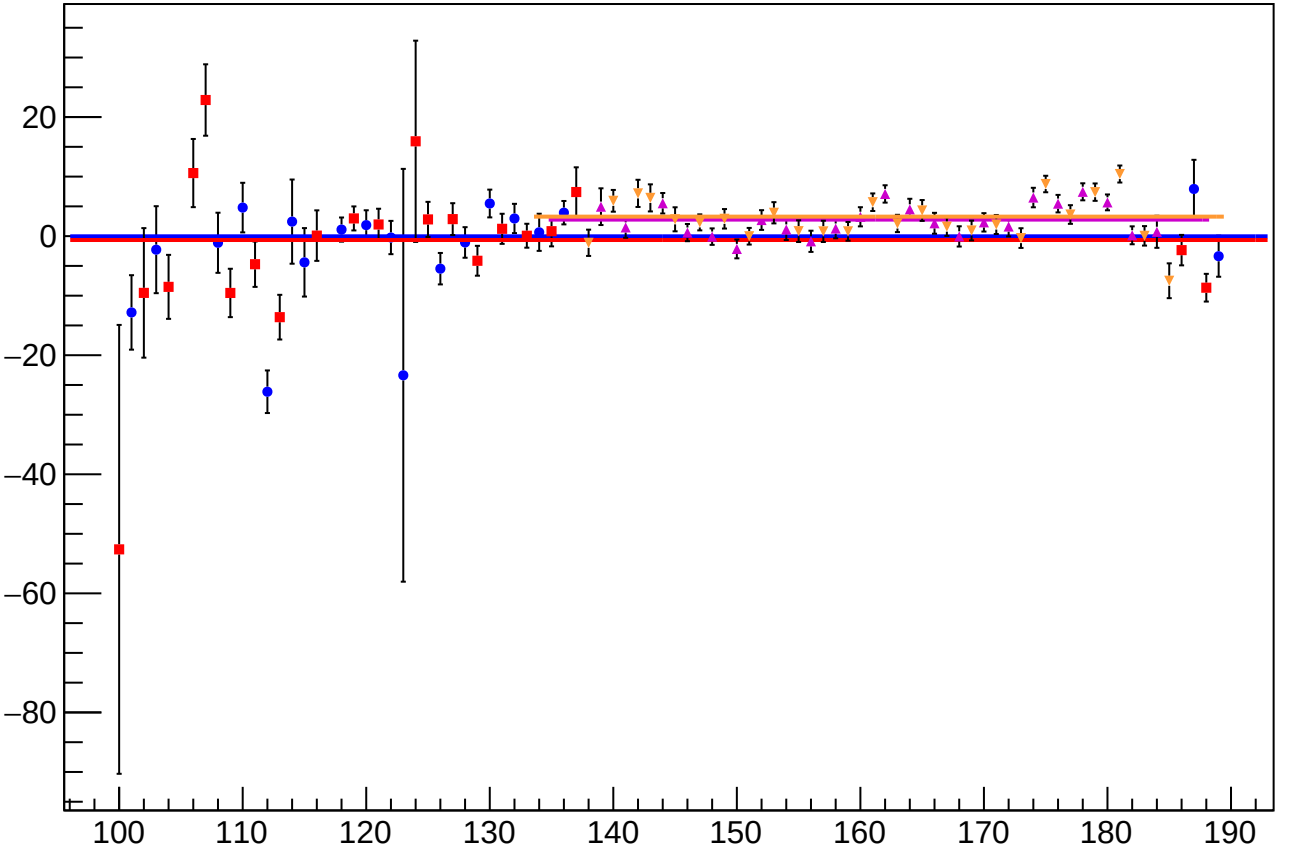
Right: -1.531+/-0.501 $\chi^2$/NDF: 3576.3/39

In: 23.672+/-0.346 $\chi^2$/NDF:2816.5/41

Out: 18.216+/-0.319 $\chi^2$/NDF:5536.3/45

All: 20.721+/-0.234 $\chi^2$/NDF: 8487.6/87

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -0.031+/-0.719 $\chi^2$/NDF: 80.1/18

Left Out: 3.275+/-0.332 $\chi^2$/NDF:101.8/24

Right Out: -0.650+/-0.687 $\chi^2$/NDF: 69.1/20

Left In: 2.777+/-0.340 $\chi^2$/NDF:66.5/22

Left: 3.032+/-0.238 $\chi^2$/NDF: 169.4/47

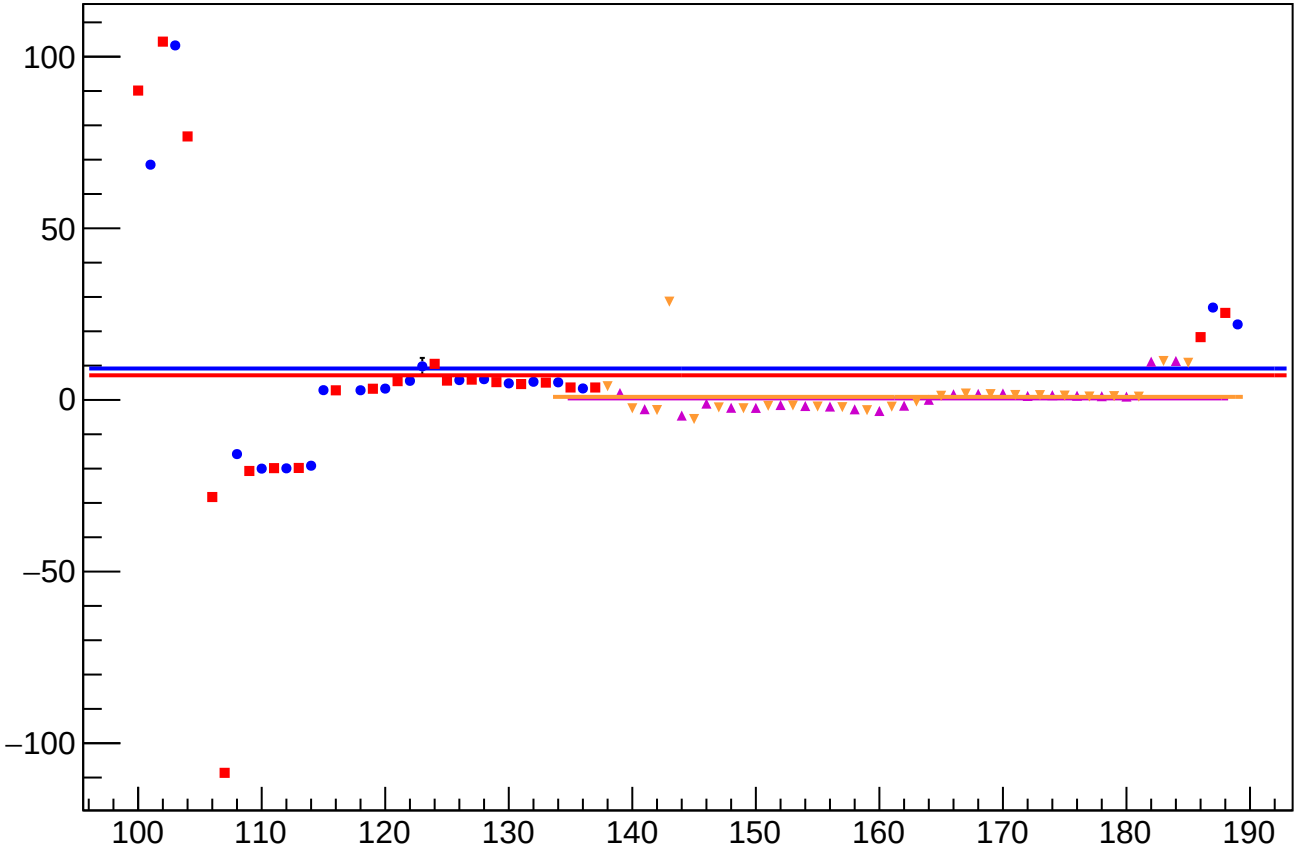
Right: -0.355+/-0.497 $\chi^2$/NDF: 149.6/39

In: 2.263+/-0.308 $\chi^2$/NDF:159.1/41

Out: 2.532+/-0.299 $\chi^2$/NDF:197.4/45

All: 2.401+/-0.214 $\chi^2$/NDF: 356.8/87

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 9.161+/-0.042 $\chi^2$/NDF: 369786.8/18

Left Out: 0.898+/-0.015 $\chi^2$/NDF:108195.0/24

Right Out: 7.178+/-0.041 $\chi^2$/NDF: 546917.2/20

Left In: 0.448+/-0.015 $\chi^2$/NDF:50533.6/22

Left: 0.675+/-0.011 $\chi^2$/NDF: 159162.0/47

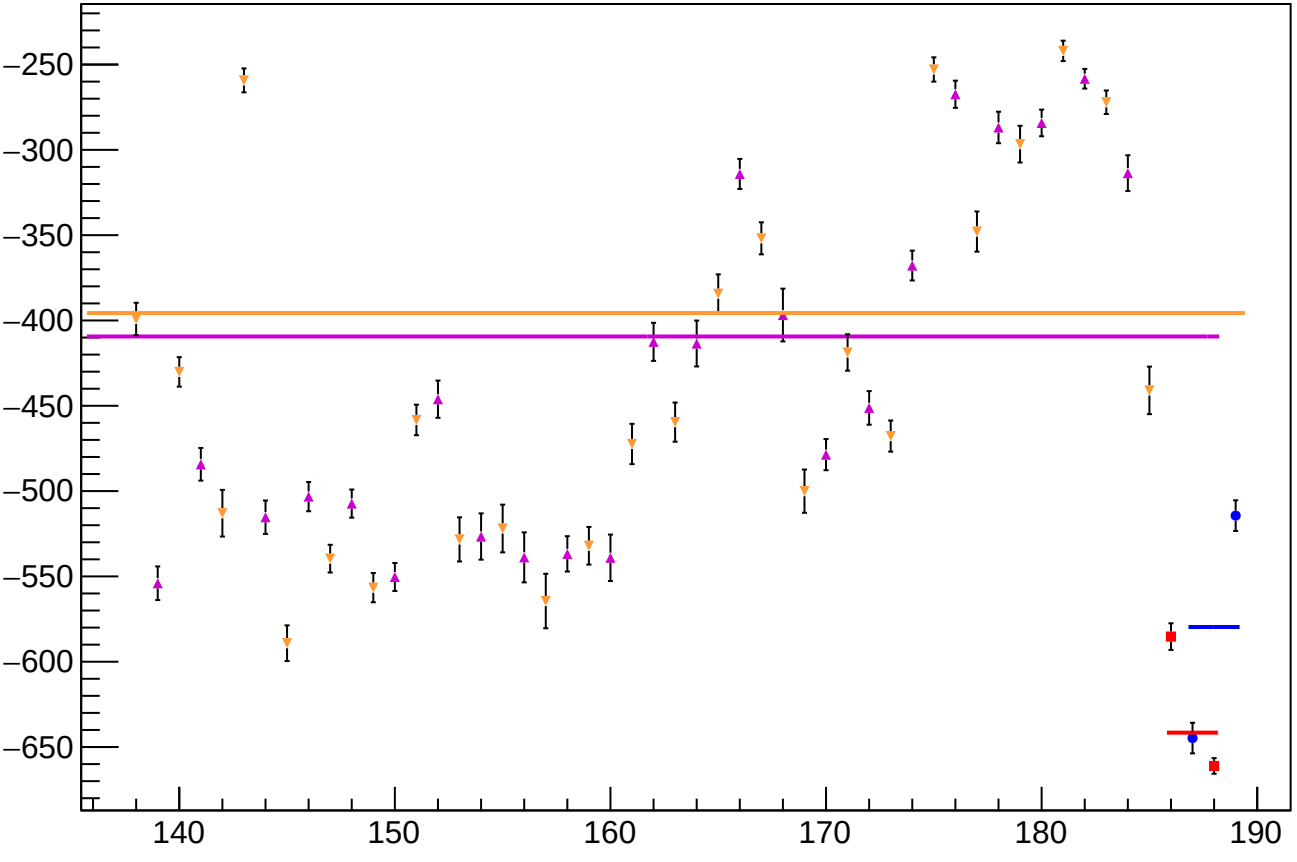
Right: 8.150+/-0.029 $\chi^2$/NDF: 917844.3/39

In: 1.479+/-0.014 $\chi^2$/NDF:458407.1/41

Out: 1.654+/-0.014 $\chi^2$/NDF:675627.0/45

All: 1.567+/-0.010 $\chi^2$/NDF: 1134108.5/87

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -579.652+/-6.344 $\chi^2$/NDF: 105.6/1

Left Out: -395.638+/-1.909 $\chi^2$/NDF:3704.0/24

Right Out: -641.577+/-3.959 $\chi^2$/NDF: 70.1/1

Left In: -409.377+/-1.971 $\chi^2$/NDF:3096.1/22

Left: -402.287+/-1.371 $\chi^2$/NDF: 6825.2/47

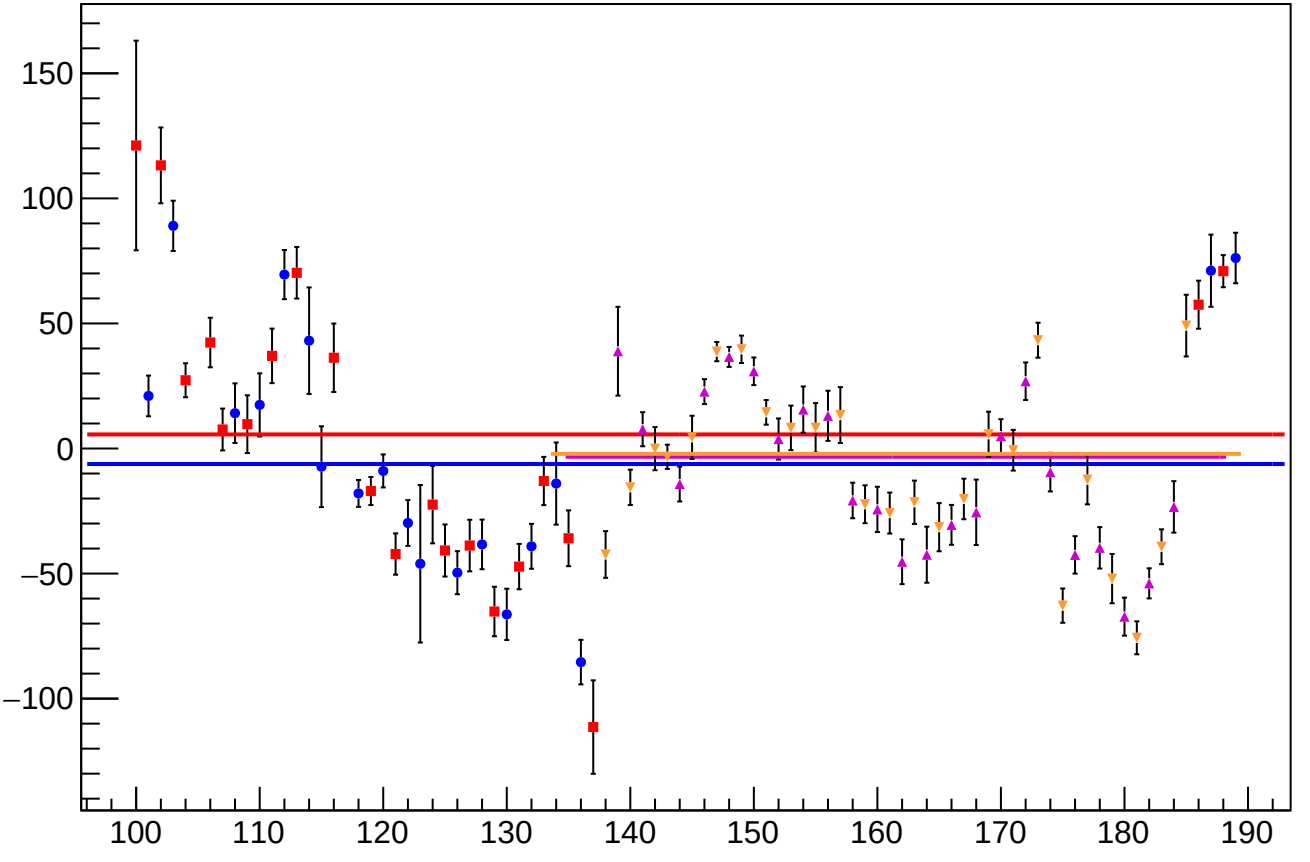
Right: -624.220+/-3.358 $\chi^2$/NDF: 244.3/3

In: -424.373+/-1.883 $\chi^2$/NDF:3858.8/24

Out: -442.038+/-1.720 $\chi^2$/NDF:6905.5/26

All: -434.003+/-1.270 $\chi^2$/NDF: 10812.3/51

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -6.203+/-2.226 $\chi^2$/NDF: 443.7/18

Left Out: -2.133+/-1.435 $\chi^2$/NDF:562.8/24

Right Out: 5.635+/-2.084 $\chi^2$/NDF: 500.6/20

Left In: -3.290+/-1.517 $\chi^2$/NDF:454.5/22

Left: -2.680+/-1.042 $\chi^2$/NDF: 1017.6/47

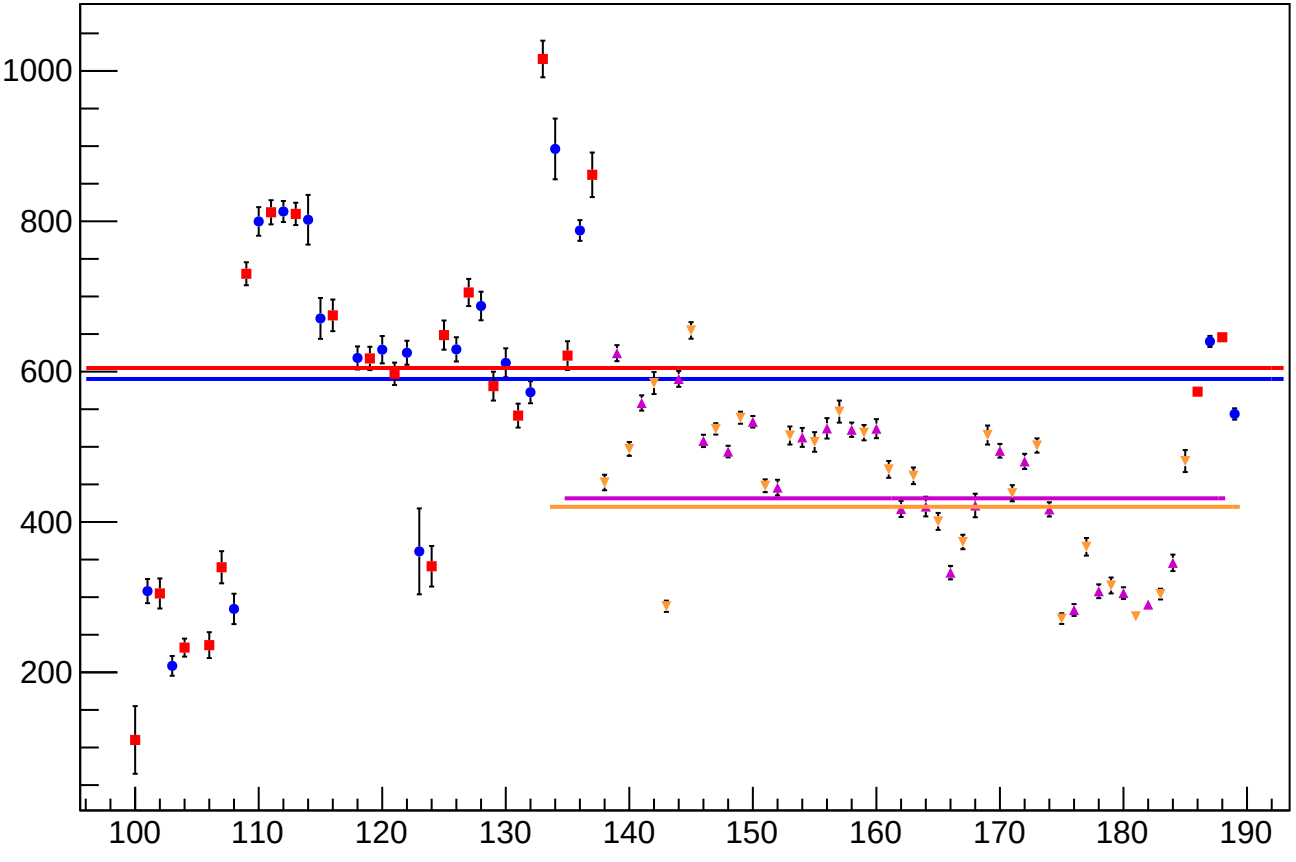
Right: 0.103+/-1.521 $\chi^2$/NDF: 959.4/39

In: -4.213+/-1.253 $\chi^2$/NDF:899.4/41

Out: 0.364+/-1.182 $\chi^2$/NDF:1072.8/45

All: -1.791+/-0.860 $\chi^2$/NDF: 1979.3/87

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 590.252+/-3.339 $\chi^2$/NDF: 2214.6/18

Left Out: 420.181+/-1.916 $\chi^2$/NDF:3241.0/24

Right Out: 604.875+/-2.519 $\chi^2$/NDF: 3015.0/20

Left In: 431.487+/-1.964 $\chi^2$/NDF:2897.1/22

Left: 425.693+/-1.371 $\chi^2$/NDF: 6155.1/47

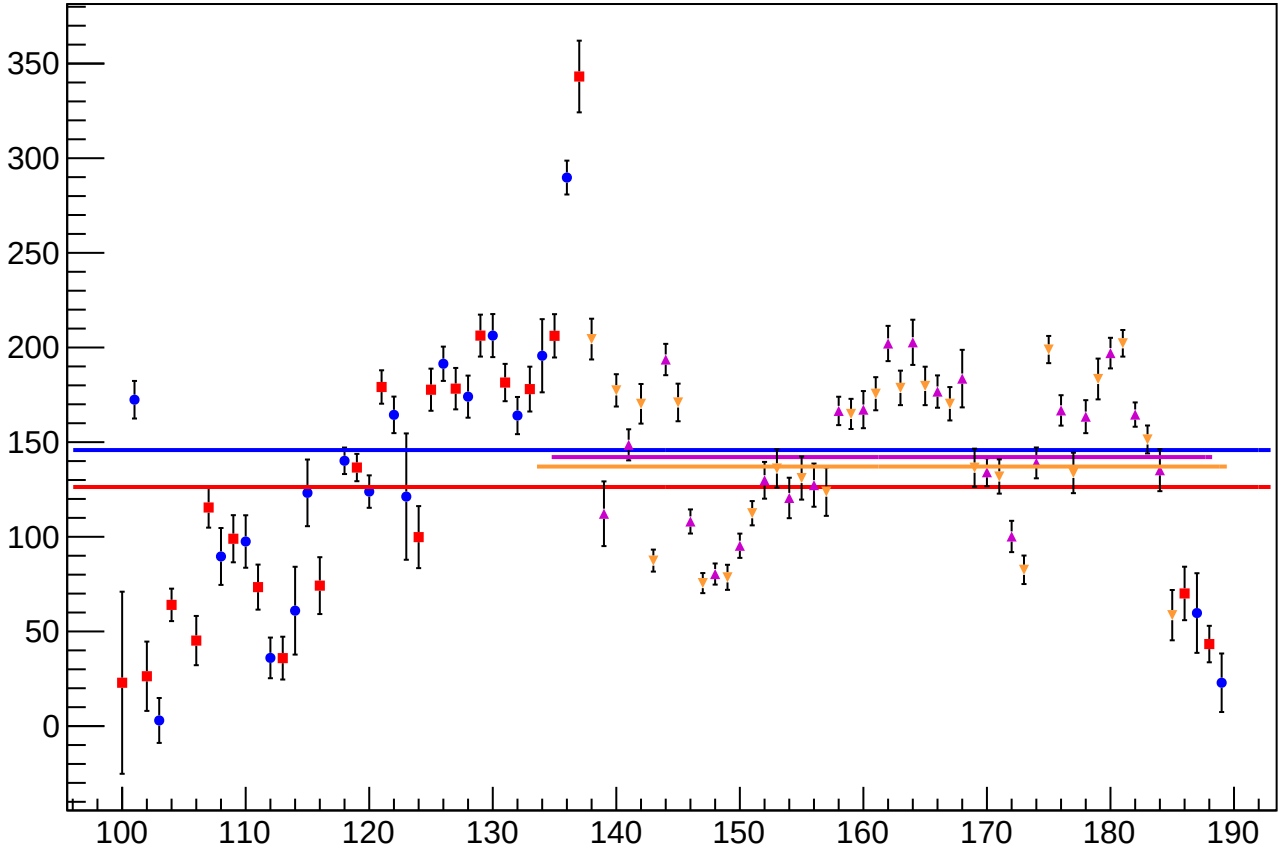
Right: 599.573+/-2.011 $\chi^2$/NDF: 5241.7/39

In: 472.291+/-1.693 $\chi^2$/NDF:6791.2/41

Out: 487.869+/-1.525 $\chi^2$/NDF:9662.7/45

All: 480.892+/-1.133 $\chi^2$/NDF: 16500.7/87

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 145.822+/-2.614 $\chi^2$/NDF: 718.4/18

Left Out: 137.107+/-1.663 $\chi^2$/NDF:738.9/24

Right Out: 126.312+/-2.488 $\chi^2$/NDF: 684.4/20

Left In: 142.123+/-1.740 $\chi^2$/NDF:463.8/22

Left: 139.501+/-1.202 $\chi^2$/NDF: 1207.0/47

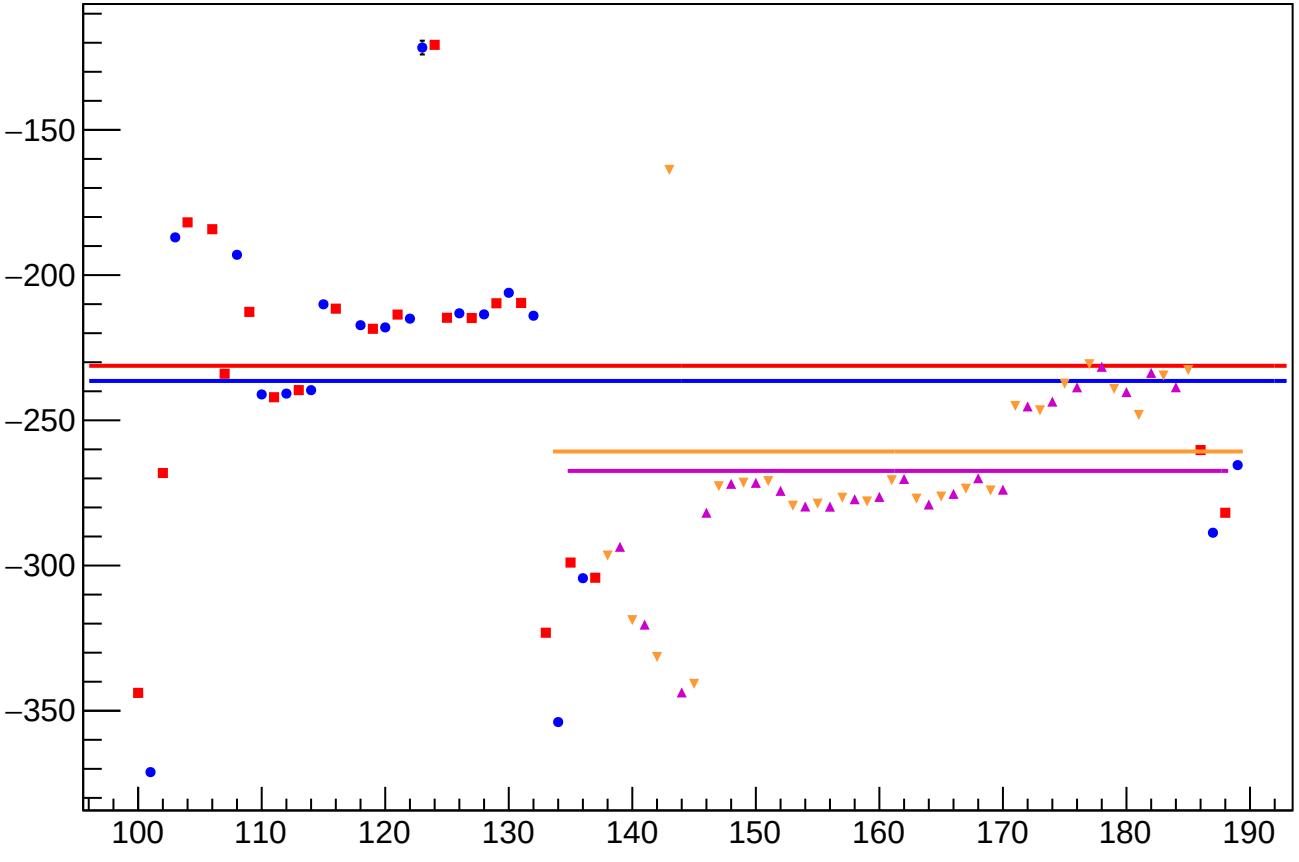
Right: 135.586+/-1.802 $\chi^2$/NDF: 1432.0/39

In: 143.258+/-1.449 $\chi^2$/NDF:1183.6/41

Out: 133.775+/-1.382 $\chi^2$/NDF:1436.3/45

All: 138.295+/-1.000 $\chi^2$/NDF: 2642.3/87

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -236.444+/-0.144 $\chi^2$/NDF: 148996.1/18

Left Out: -260.729+/-0.080 $\chi^2$/NDF:220125.6/24

Right Out: -231.225+/-0.135 $\chi^2$/NDF: 111272.3/20

Left In: -267.416+/-0.081 $\chi^2$/NDF:98892.0/22

Left: -263.998+/-0.057 $\chi^2$/NDF: 322472.0/47

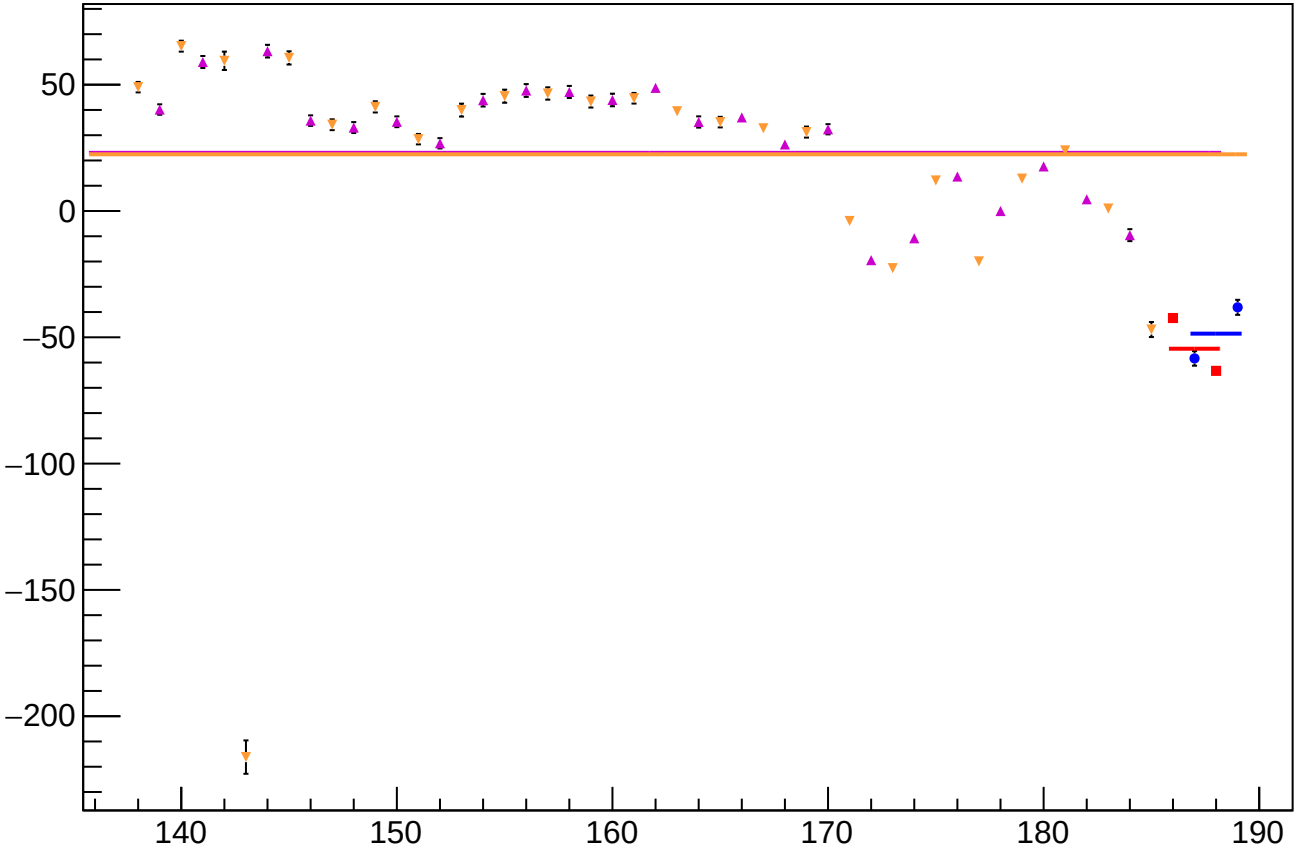
Right: -233.664+/-0.098 $\chi^2$/NDF: 260967.7/39

In: -259.927+/-0.071 $\chi^2$/NDF:282942.7/41

Out: -253.118+/-0.069 $\chi^2$/NDF:366887.6/45

All: -256.410+/-0.049 $\chi^2$/NDF: 654604.3/87

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -48.552+/-2.074 $\chi^2$/NDF: 23.7/1

Left Out: 22.446+/-0.399 $\chi^2$/NDF:4935.8/24

Right Out: -54.521+/-1.189 $\chi^2$/NDF: 75.3/1

Left In: 23.019+/-0.400 $\chi^2$/NDF:2819.9/22

Left: 22.732+/-0.282 $\chi^2$/NDF: 7756.7/47

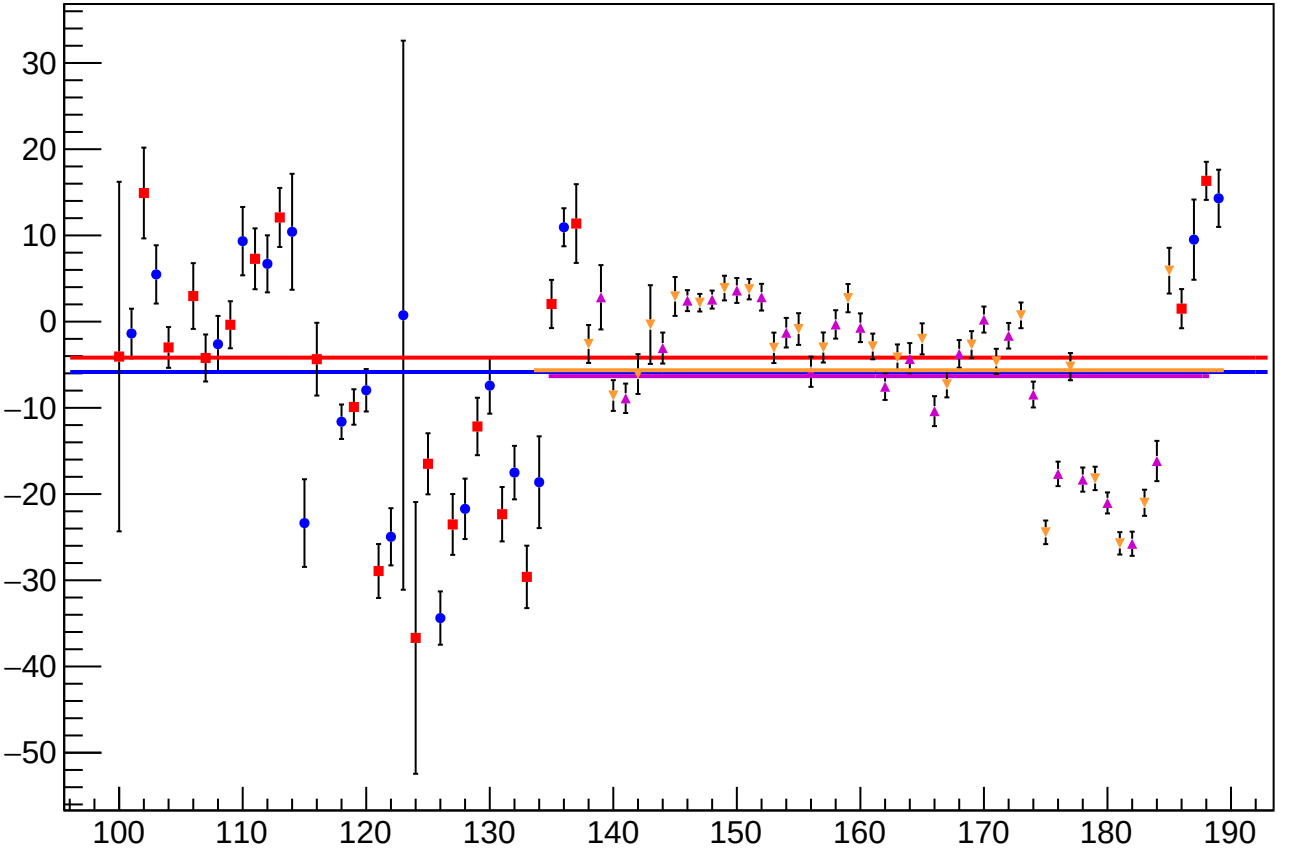
Right: -53.044+/-1.032 $\chi^2$/NDF: 105.2/3

In: 20.455+/-0.393 $\chi^2$/NDF:3991.9/24

Out: 14.666+/-0.378 $\chi^2$/NDF:8775.1/26

All: 17.453+/-0.272 $\chi^2$/NDF: 12879.9/51

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -5.841+/-0.748 $\chi^2$/NDF: 335.3/18

Left Out: -5.639+/-0.316 $\chi^2$/NDF:891.5/24

Right Out: -4.176+/-0.687 $\chi^2$/NDF: 366.1/20

Left In: -6.323+/-0.320 $\chi^2$/NDF:784.4/22

Left: -5.976+/-0.225 $\chi^2$/NDF: 1678.2/47

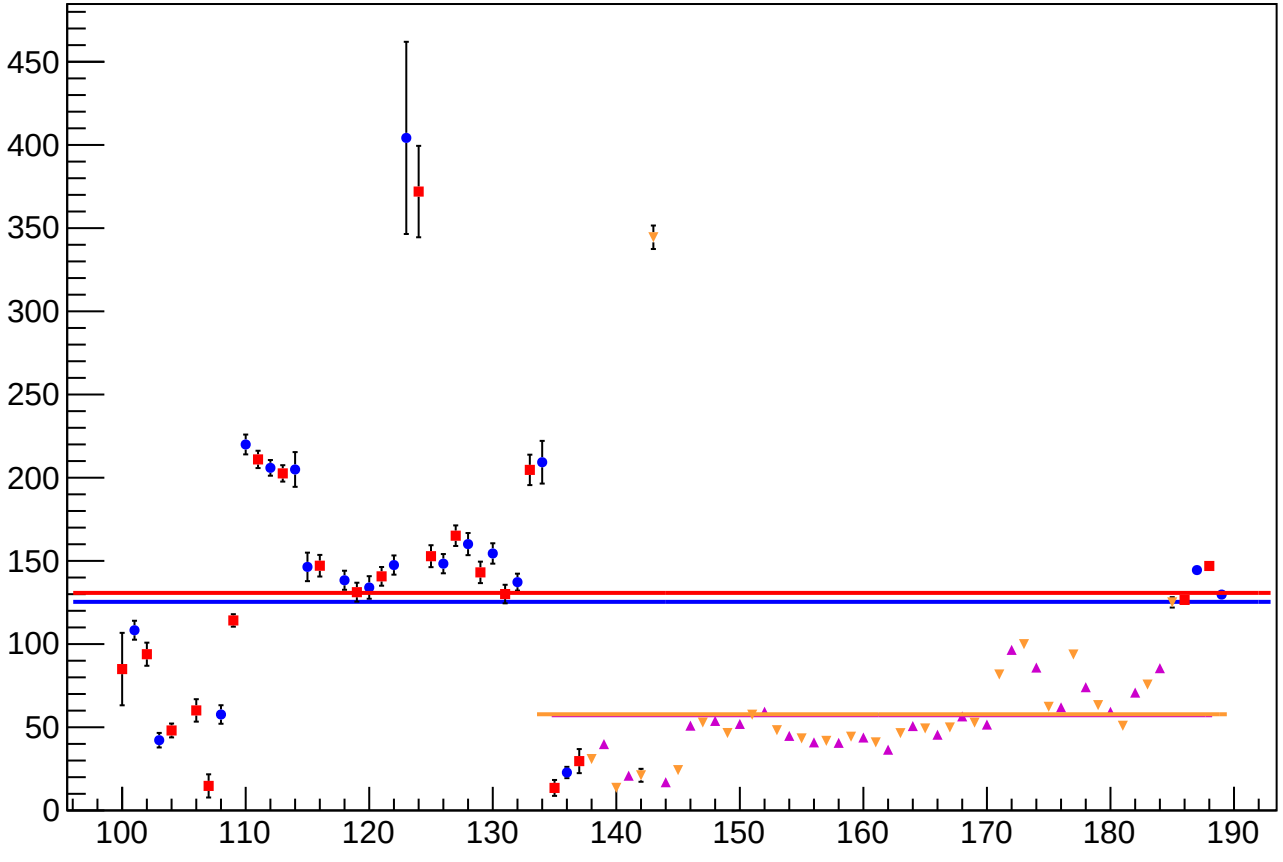
Right: -4.937+/-0.506 $\chi^2$/NDF: 704.1/39

In: -6.249+/-0.294 $\chi^2$/NDF:1120.0/41

Out: -5.383+/-0.287 $\chi^2$/NDF:1261.4/45

All: -5.805+/-0.205 $\chi^2$/NDF: 2385.8/87

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 125.381+/-1.093 $\chi^2$/NDF: 2261.9/18

Left Out: 57.816+/-0.398 $\chi^2$/NDF:4331.5/24

Right Out: 130.763+/-0.783 $\chi^2$/NDF: 2451.8/20

Left In: 57.226+/-0.398 $\chi^2$/NDF:1860.6/22

Left: 57.521+/-0.281 $\chi^2$/NDF: 6193.2/47

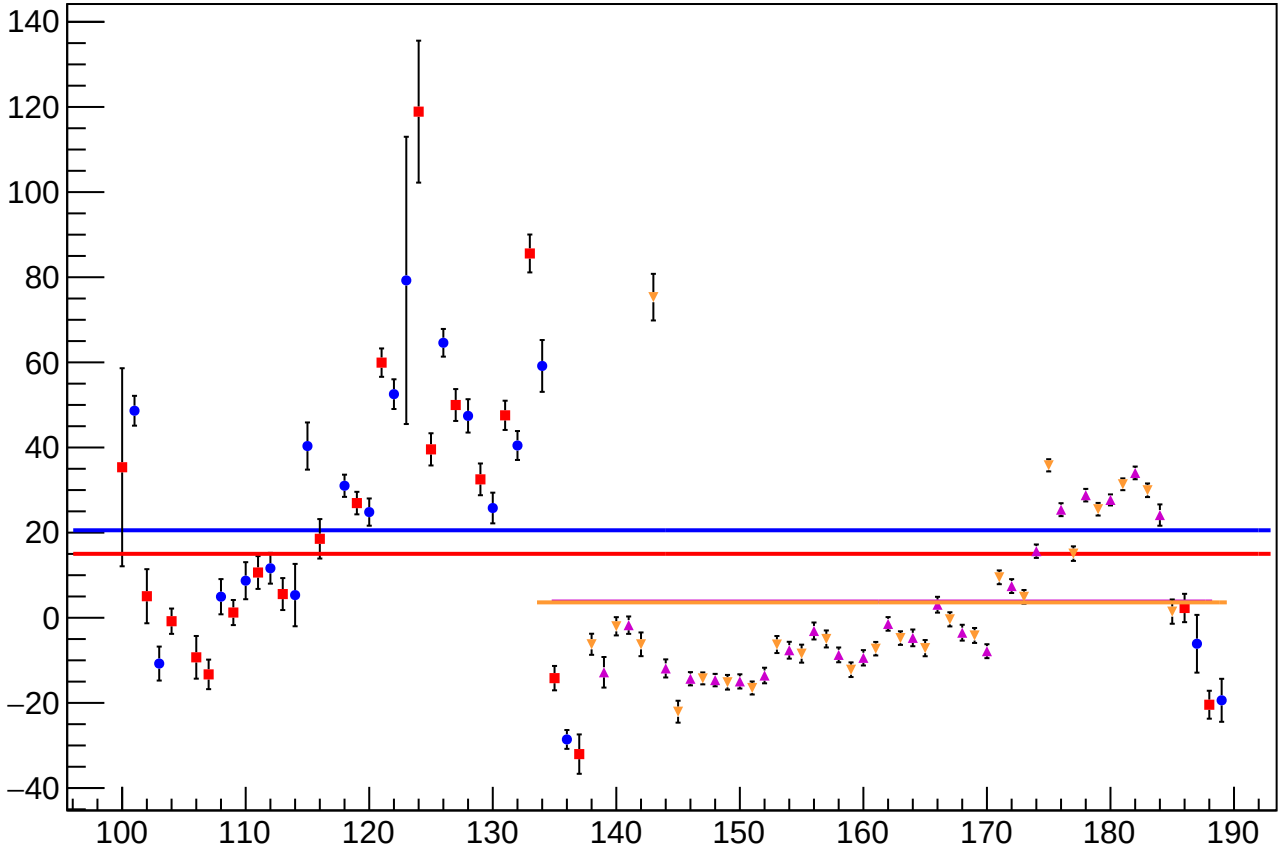
Right: 128.940+/-0.636 $\chi^2$/NDF: 4729.7/39

In: 65.206+/-0.374 $\chi^2$/NDF:7554.7/41

Out: 72.809+/-0.355 $\chi^2$/NDF:13687.4/45

All: 69.208+/-0.257 $\chi^2$/NDF: 21459.7/87

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 20.553+/-0.868 $\chi^2$/NDF: 1153.1/18

Left Out: 3.615+/-0.357 $\chi^2$/NDF:2501.2/24

Right Out: 15.020+/-0.817 $\chi^2$/NDF: 1223.4/20

Left In: 3.812+/-0.361 $\chi^2$/NDF:2203.5/22

Left: 3.712+/-0.254 $\chi^2$/NDF: 4704.8/47

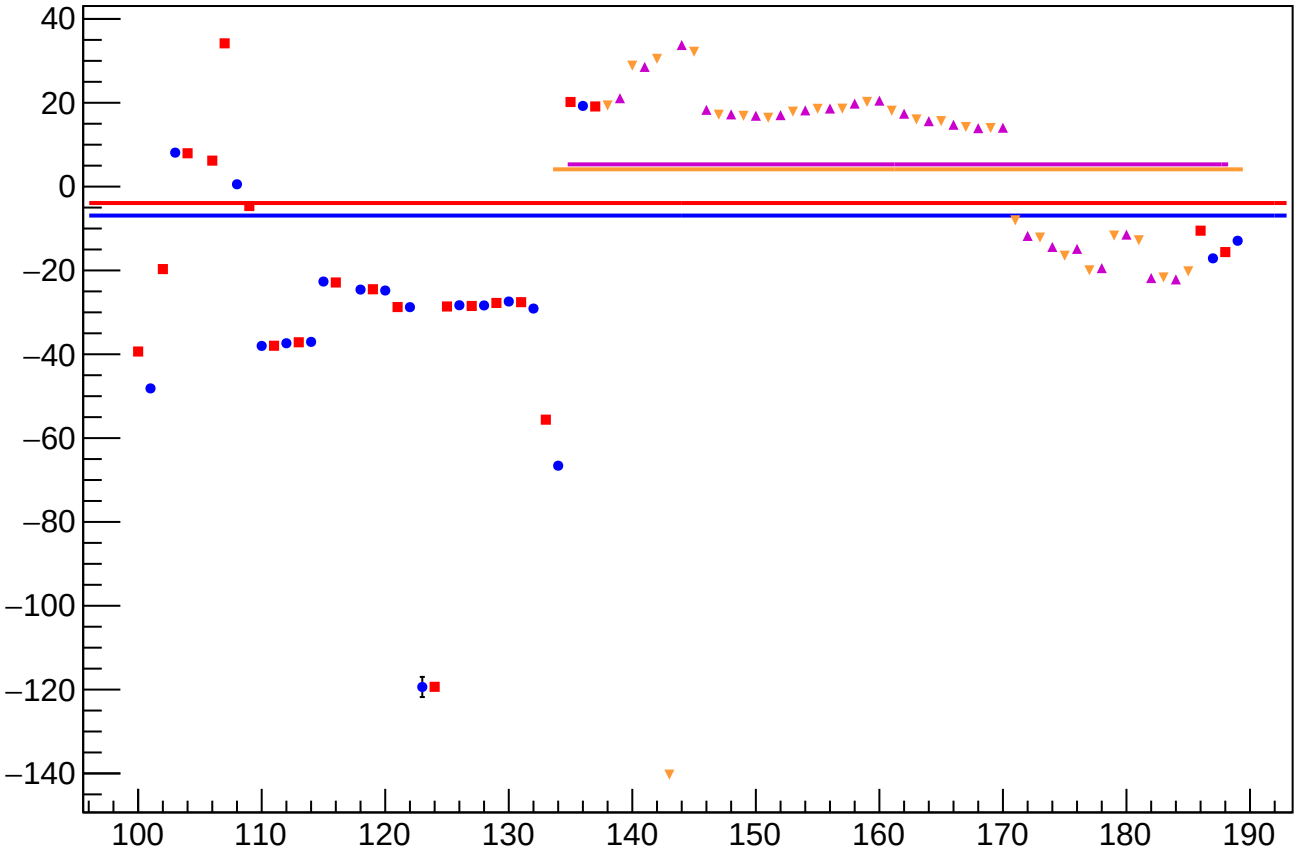
Right: 17.617+/-0.595 $\chi^2$/NDF: 2398.0/39

In: 6.275+/-0.333 $\chi^2$/NDF:3673.5/41

Out: 5.442+/-0.327 $\chi^2$/NDF:3888.3/45

All: 5.851+/-0.233 $\chi^2$/NDF: 7565.0/87

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -6.908+/-0.045 $\chi^2$/NDF: 267383.1/18

Left Out: 4.121+/-0.016 $\chi^2$/NDF:1340176.5/24

Right Out: -3.918+/-0.043 $\chi^2$/NDF: 272879.2/20

Left In: 5.305+/-0.016 $\chi^2$/NDF:1089610.2/22

Left: 4.714+/-0.012 $\chi^2$/NDF: 2432407.5/47

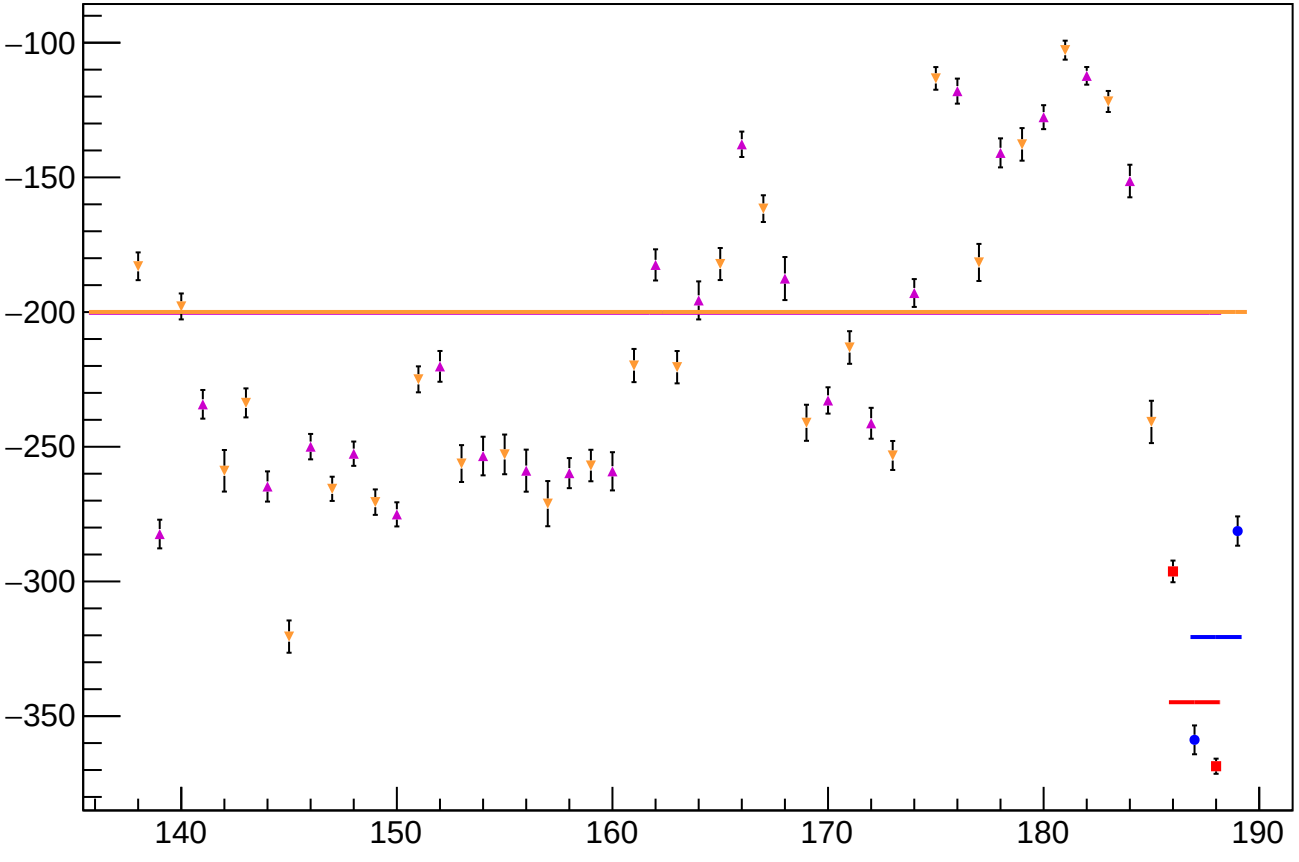
Right: -5.359+/-0.031 $\chi^2$/NDF: 542566.8/39

In: 3.871+/-0.015 $\chi^2$/NDF:1422517.3/41

Out: 3.113+/-0.015 $\chi^2$/NDF:1643288.5/45

All: 3.491+/-0.011 $\chi^2$/NDF: 3067024.7/87

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -320.636+/-3.816 $\chi^2$/NDF: 103.1/1

Left Out: -199.957+/-1.082 $\chi^2$/NDF:3220.5/24

Right Out: -344.835+/-2.304 $\chi^2$/NDF: 217.3/1

Left In: -200.276+/-1.093 $\chi^2$/NDF:3013.8/22

Left: -200.115+/-0.769 $\chi^2$/NDF: 6234.3/47

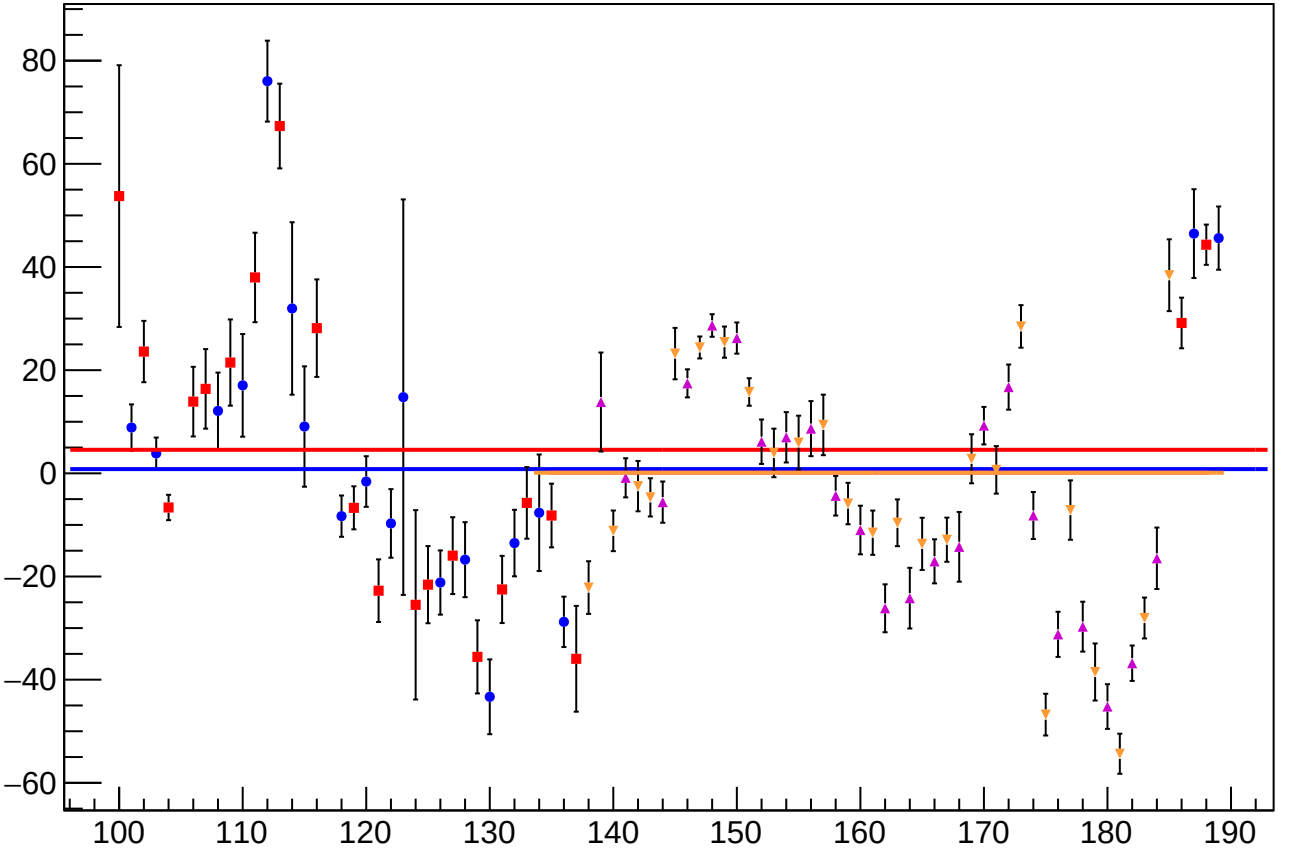
Right: -338.368+/-1.973 $\chi^2$/NDF: 349.9/3

In: -209.408+/-1.051 $\chi^2$/NDF:4036.4/24

Out: -226.111+/-0.979 $\chi^2$/NDF:6676.9/26

All: -218.351+/-0.716 $\chi^2$/NDF: 10848.4/51

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 0.820+/-1.393 $\chi^2$/NDF: 292.2/18

Left Out: 0.116+/-0.810 $\chi^2$/NDF:830.1/24

Right Out: 4.563+/-1.272 $\chi^2$/NDF: 373.0/20

Left In: 0.153+/-0.836 $\chi^2$/NDF:719.6/22

Left: 0.134+/-0.582 $\chi^2$/NDF: 1549.7/47

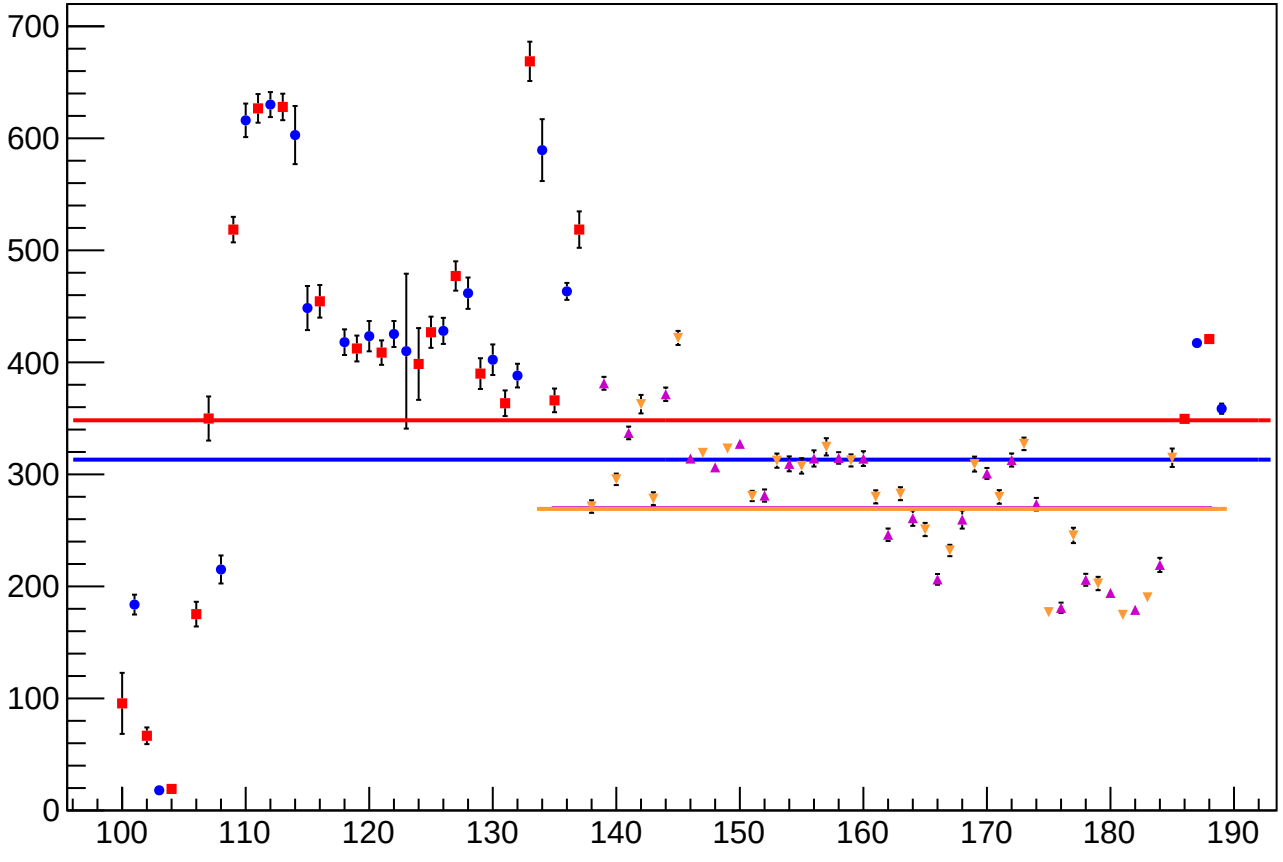
Right: 2.862+/-0.939 $\chi^2$/NDF: 669.2/39

In: 0.330+/-0.717 $\chi^2$/NDF:1012.0/41

Out: 1.401+/-0.683 $\chi^2$/NDF:1211.8/45

All: 0.891+/-0.495 $\chi^2$/NDF: 2225.0/87

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 313.159+/-1.950 $\chi^2$/NDF: 8675.8/18

Left Out: 269.181+/-1.081 $\chi^2$/NDF:3148.5/24

Right Out: 348.275+/-1.476 $\chi^2$/NDF: 10485.7/20

Left In: 269.798+/-1.087 $\chi^2$/NDF:3234.9/22

Left: 269.488+/-0.766 $\chi^2$/NDF: 6383.6/47

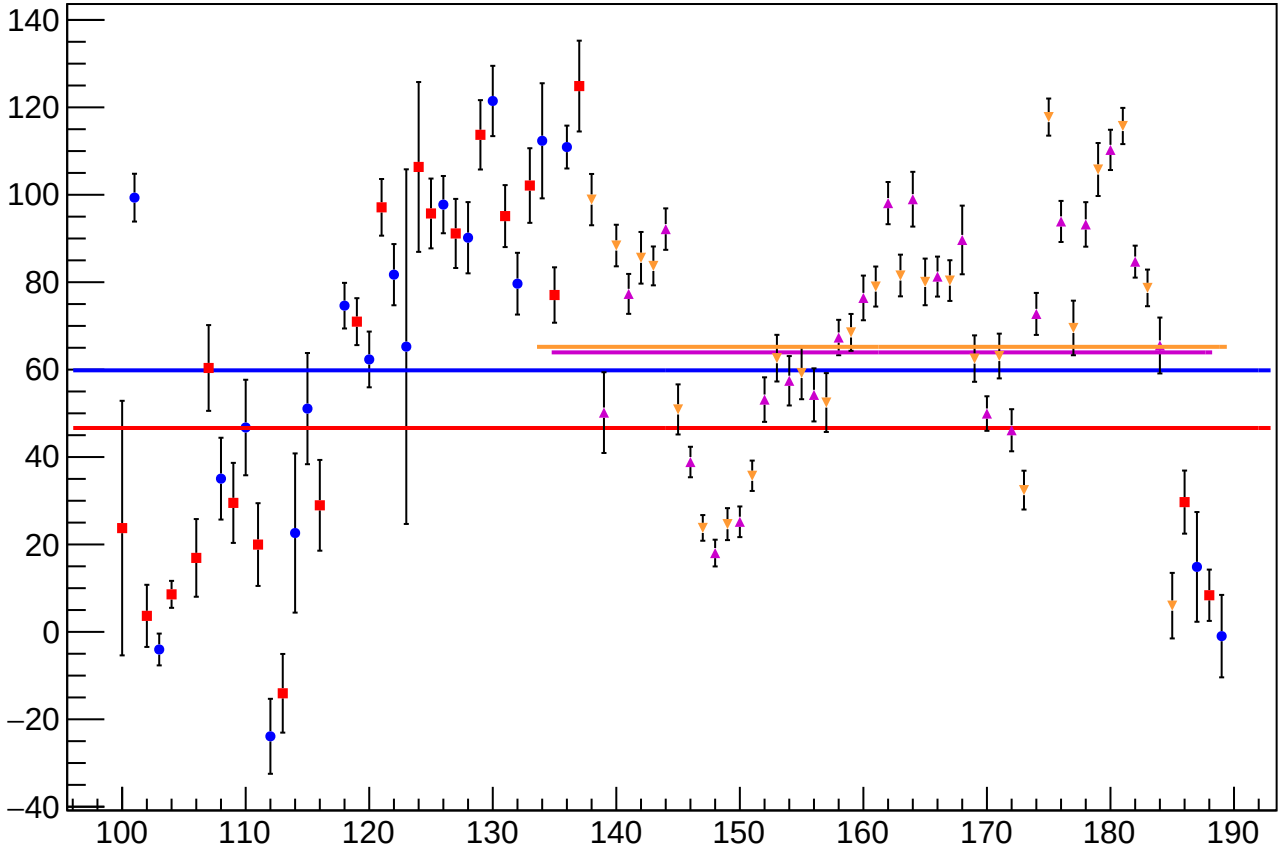
Right: 335.483+/-1.177 $\chi^2$/NDF: 19367.8/39

In: 280.081+/-0.949 $\chi^2$/NDF:12288.1/41

Out: 296.794+/-0.872 $\chi^2$/NDF:15503.7/45

All: 289.147+/-0.642 $\chi^2$/NDF: 27959.9/87

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 59.837+/-1.638 $\chi^2$/NDF: 779.5/18

Left Out: 65.214+/-0.938 $\chi^2$/NDF:1005.7/24

Right Out: 46.647+/-1.546 $\chi^2$/NDF: 710.6/20

Left In: 63.944+/-0.961 $\chi^2$/NDF:803.4/22

Left: 64.594+/-0.671 $\chi^2$/NDF: 1809.9/47

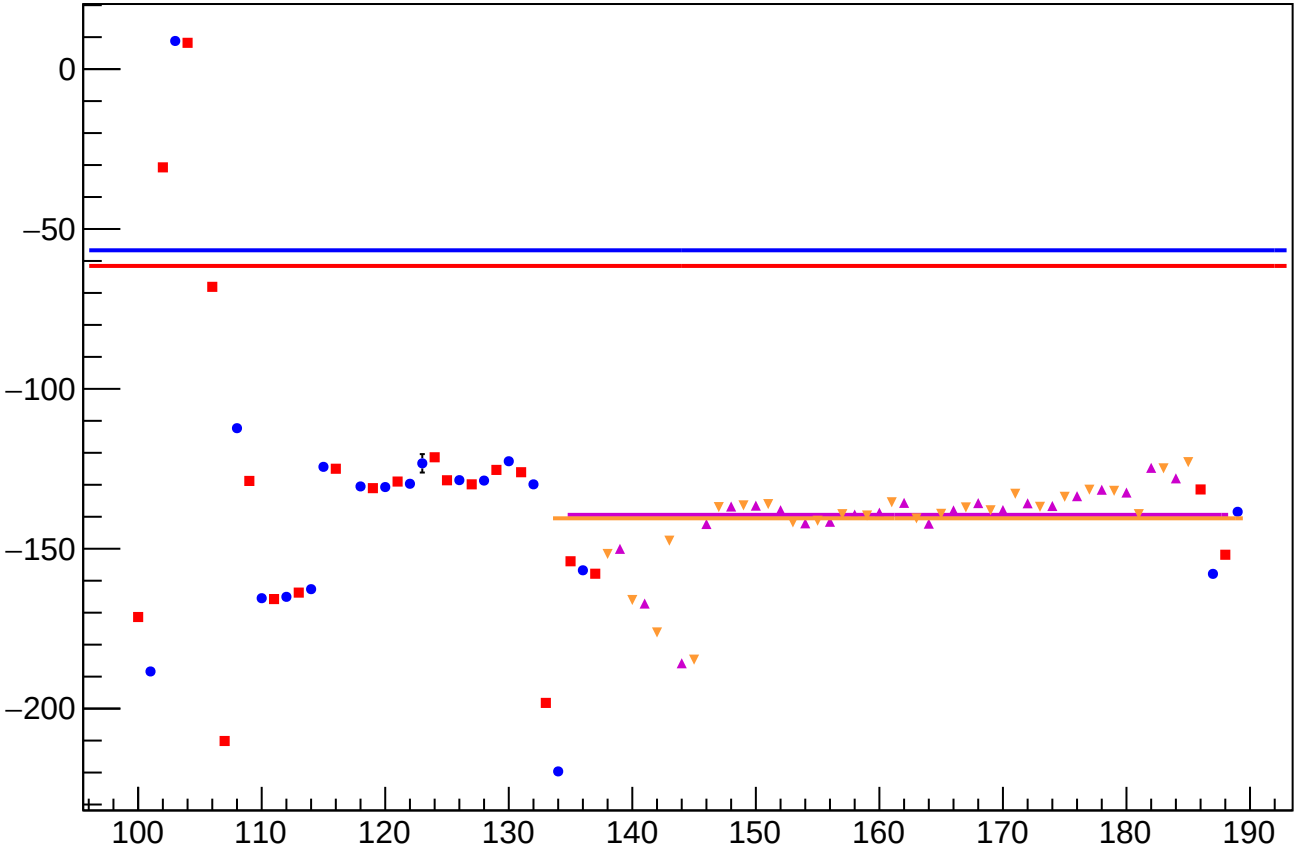
Right: 52.860+/-1.124 $\chi^2$/NDF: 1524.4/39

In: 62.893+/-0.829 $\chi^2$/NDF:1587.5/41

Out: 60.216+/-0.802 $\chi^2$/NDF:1821.7/45

All: 61.511+/-0.576 $\chi^2$/NDF: 3414.6/87

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -56.663+/-0.069 $\chi^2$/NDF: 1287322.1/18

Left Out: -140.489+/-0.045 $\chi^2$/NDF:77350.7/24

Right Out: -61.554+/-0.069 $\chi^2$/NDF: 1077234.6/20

Left In: -139.406+/-0.045 $\chi^2$/NDF:62878.4/22

Left: -139.949+/-0.032 $\chi^2$/NDF: 140521.6/47

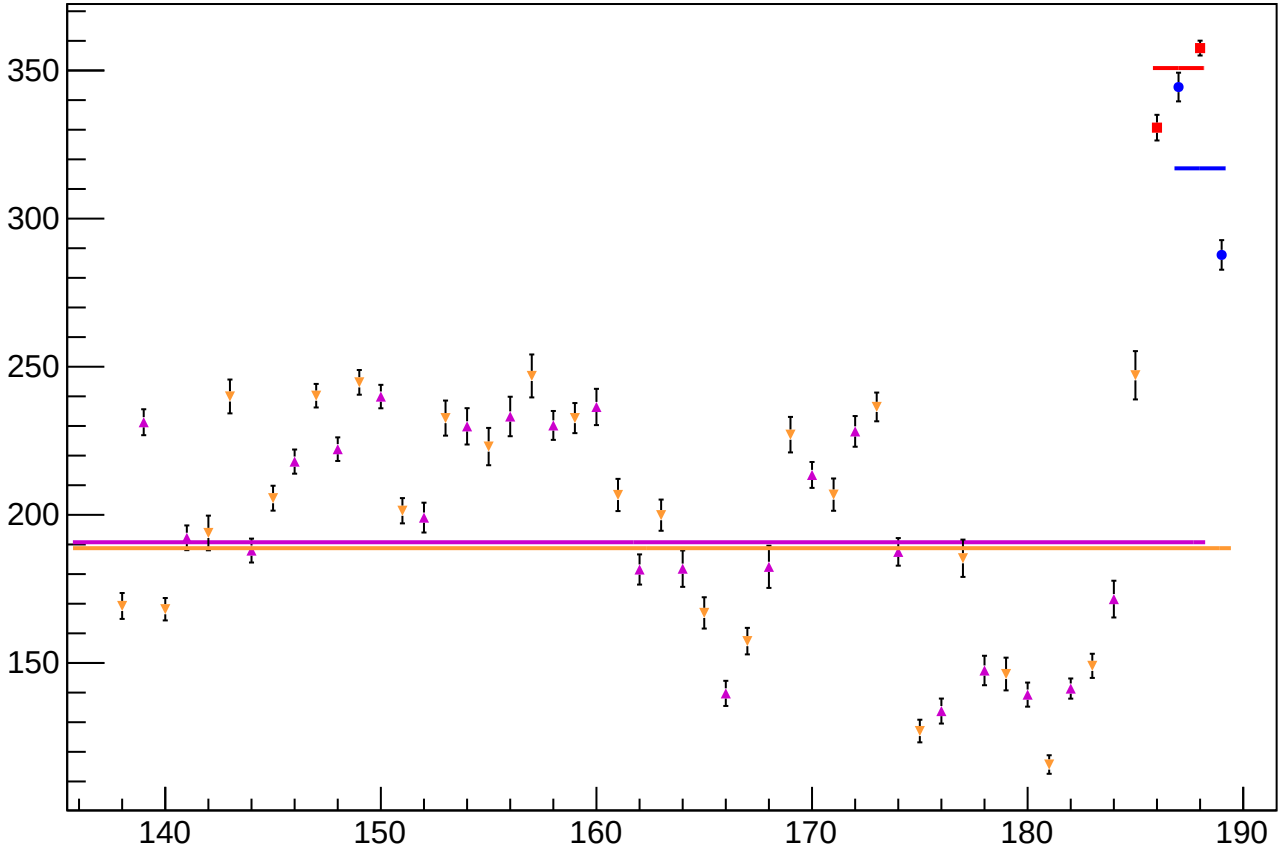
Right: -59.094+/-0.049 $\chi^2$/NDF: 2367049.9/39

In: -114.869+/-0.038 $\chi^2$/NDF:2360102.6/41

Out: -117.385+/-0.038 $\chi^2$/NDF:2067646.8/45

All: -116.128+/-0.027 $\chi^2$/NDF: 4429988.8/87

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 316.967+/-3.476 $\chi^2$/NDF: 66.4/1

Left Out: 188.749+/-0.958 $\chi^2$/NDF:1968.6/24

Right Out: 350.817+/-2.168 $\chi^2$/NDF: 28.9/1

Left In: 190.753+/-0.971 $\chi^2$/NDF:1421.8/22

Left: 189.737+/-0.682 $\chi^2$/NDF: 3392.5/47

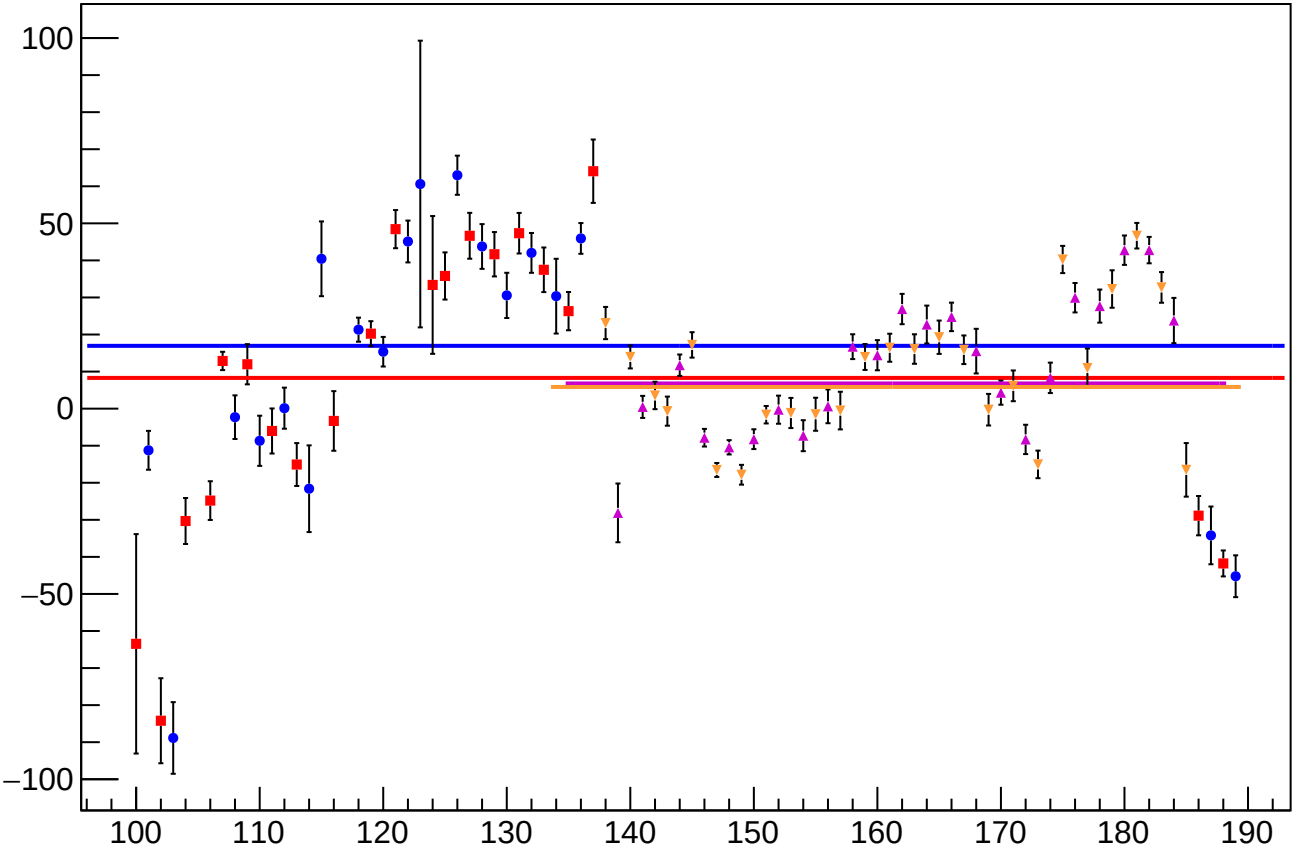
Right: 341.337+/-1.840 $\chi^2$/NDF: 163.5/3

In: 199.888+/-0.935 $\chi^2$/NDF:2711.1/24

Out: 215.228+/-0.876 $\chi^2$/NDF:6672.6/26

All: 208.056+/-0.639 $\chi^2$/NDF: 9527.0/51

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 16.947+/-1.316 $\chi^2$/NDF: 564.8/18

Left Out: 5.851+/-0.714 $\chi^2$/NDF:650.6/24

Right Out: 8.295+/-1.133 $\chi^2$/NDF: 723.6/20

Left In: 6.797+/-0.735 $\chi^2$/NDF:525.8/22

Left: 6.311+/-0.512 $\chi^2$/NDF: 1177.3/47

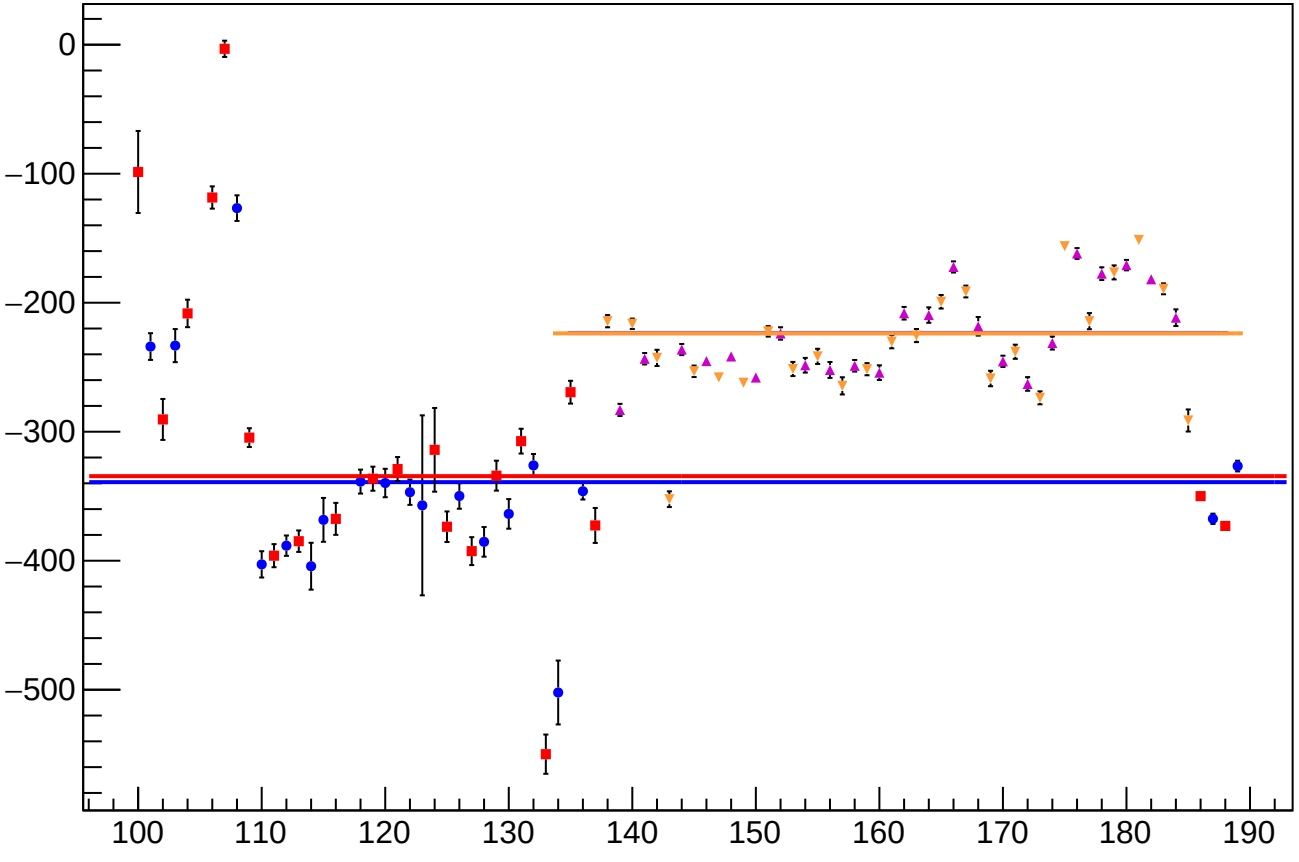
Right: 11.980+/-0.859 $\chi^2$/NDF: 1313.2/39

In: 9.210+/-0.641 $\chi^2$/NDF:1136.0/41

Out: 6.546+/-0.604 $\chi^2$/NDF:1377.6/45

All: 7.799+/-0.440 $\chi^2$/NDF: 2522.7/87

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -339.092+/-1.912 $\chi^2$/NDF: 852.5/18

Left Out: -223.752+/-0.958 $\chi^2$/NDF:2021.5/24

Right Out: -334.433+/-1.392 $\chi^2$/NDF: 4386.4/20

Left In: -223.554+/-0.966 $\chi^2$/NDF:1286.5/22

Left: -223.654+/-0.680 $\chi^2$/NDF: 3308.0/47

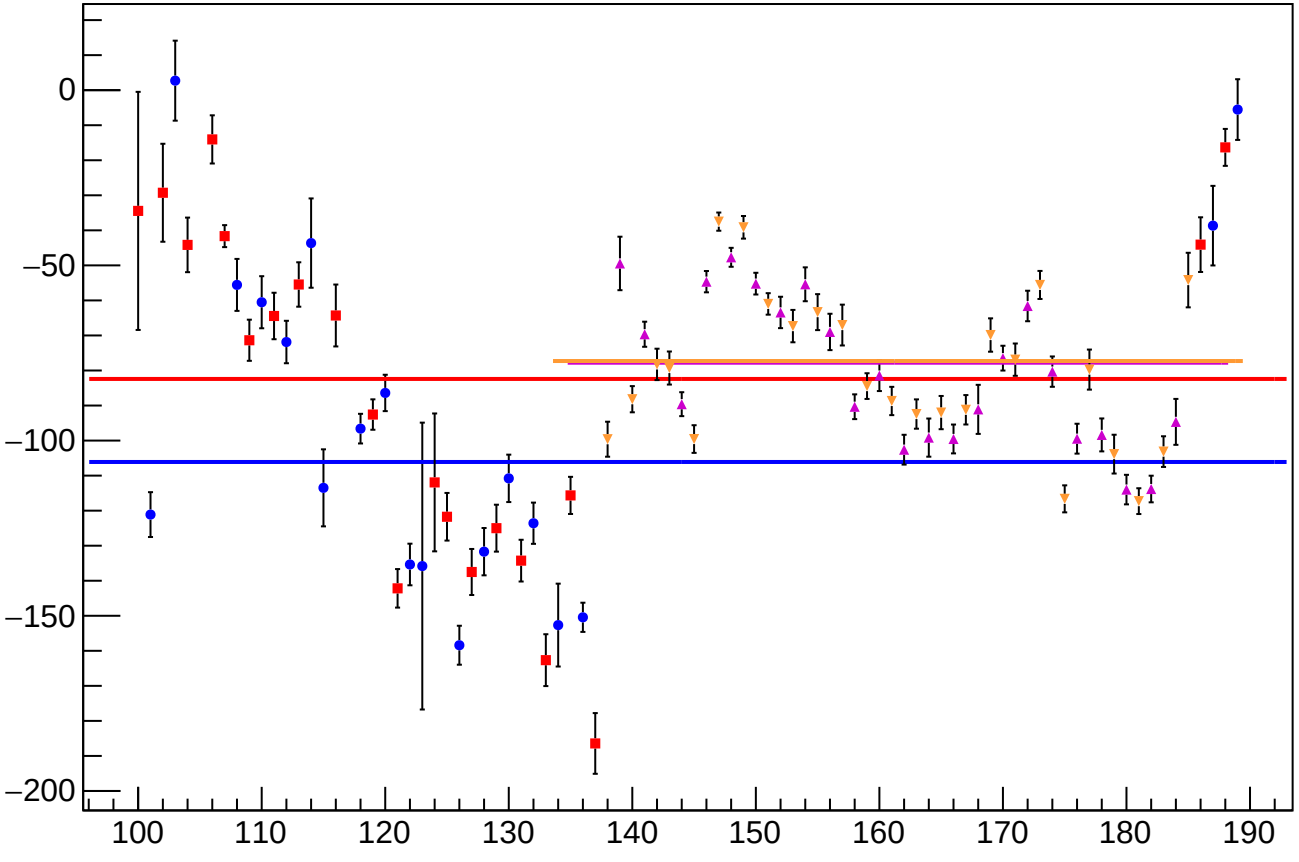
Right: -336.046+/-1.125 $\chi^2$/NDF: 5242.8/39

In: -247.032+/-0.862 $\chi^2$/NDF:5048.4/41

Out: -259.336+/-0.789 $\chi^2$/NDF:10699.7/45

All: -253.726+/-0.582 $\chi^2$/NDF: 15859.0/87

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -106.107+/-1.538 $\chi^2$/NDF: 692.2/18

Left Out: -77.296+/-0.829 $\chi^2$/NDF:844.6/24

Right Out: -82.410+/-1.363 $\chi^2$/NDF: 1169.6/20

Left In: -77.777+/-0.847 $\chi^2$/NDF:624.5/22

Left: -77.531+/-0.592 $\chi^2$/NDF: 1469.2/47

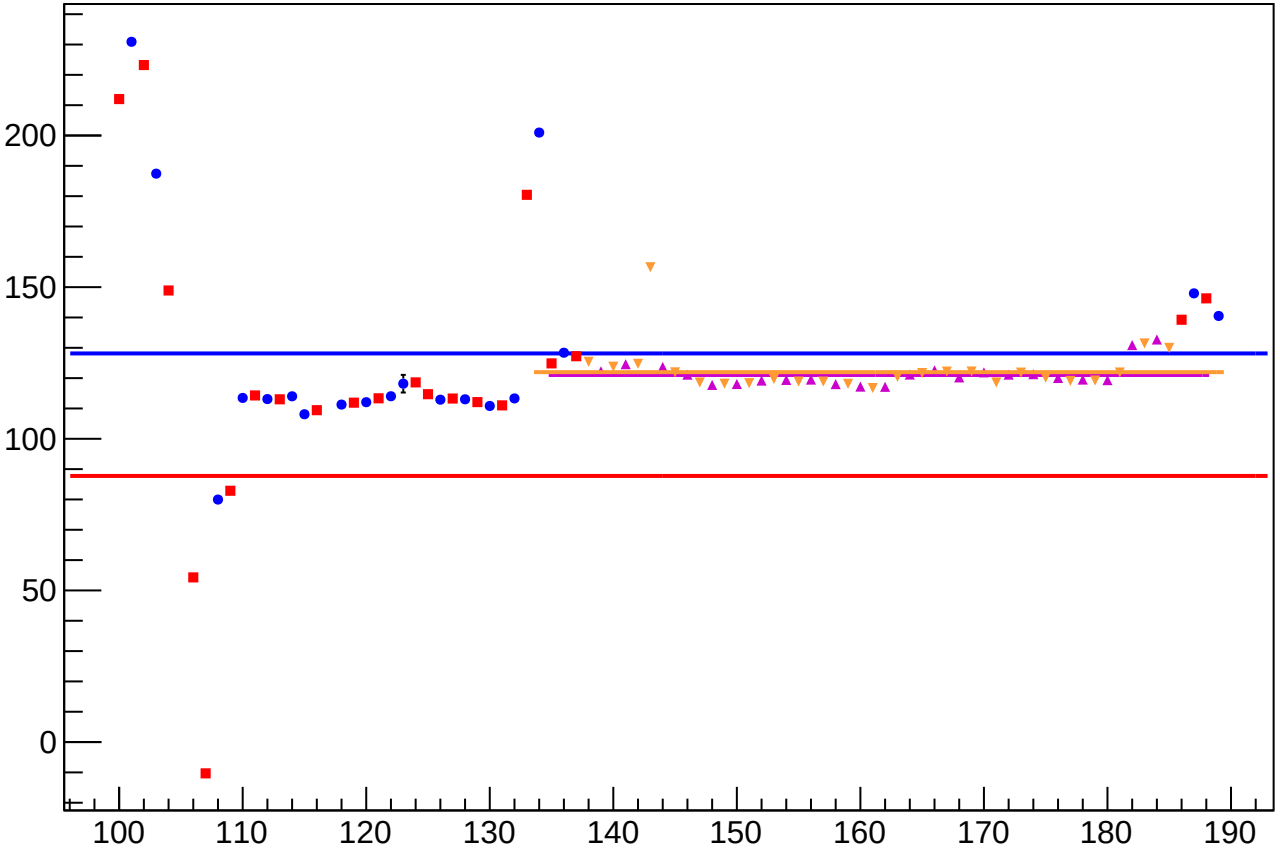
Right: -92.835+/-1.020 $\chi^2$/NDF: 1994.8/39

In: -84.367+/-0.742 $\chi^2$/NDF:1577.1/41

Out: -78.676+/-0.708 $\chi^2$/NDF:2024.5/45

All: -81.390+/-0.512 $\chi^2$/NDF: 3632.4/87

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 128.145+/-0.086 $\chi^2$/NDF: 190032.3/18

Left Out: 121.972+/-0.039 $\chi^2$/NDF:27431.1/24

Right Out: 87.752+/-0.072 $\chi^2$/NDF: 821439.4/20

Left In: 121.045+/-0.040 $\chi^2$/NDF:7903.5/22

Left: 121.510+/-0.028 $\chi^2$/NDF: 35609.5/47

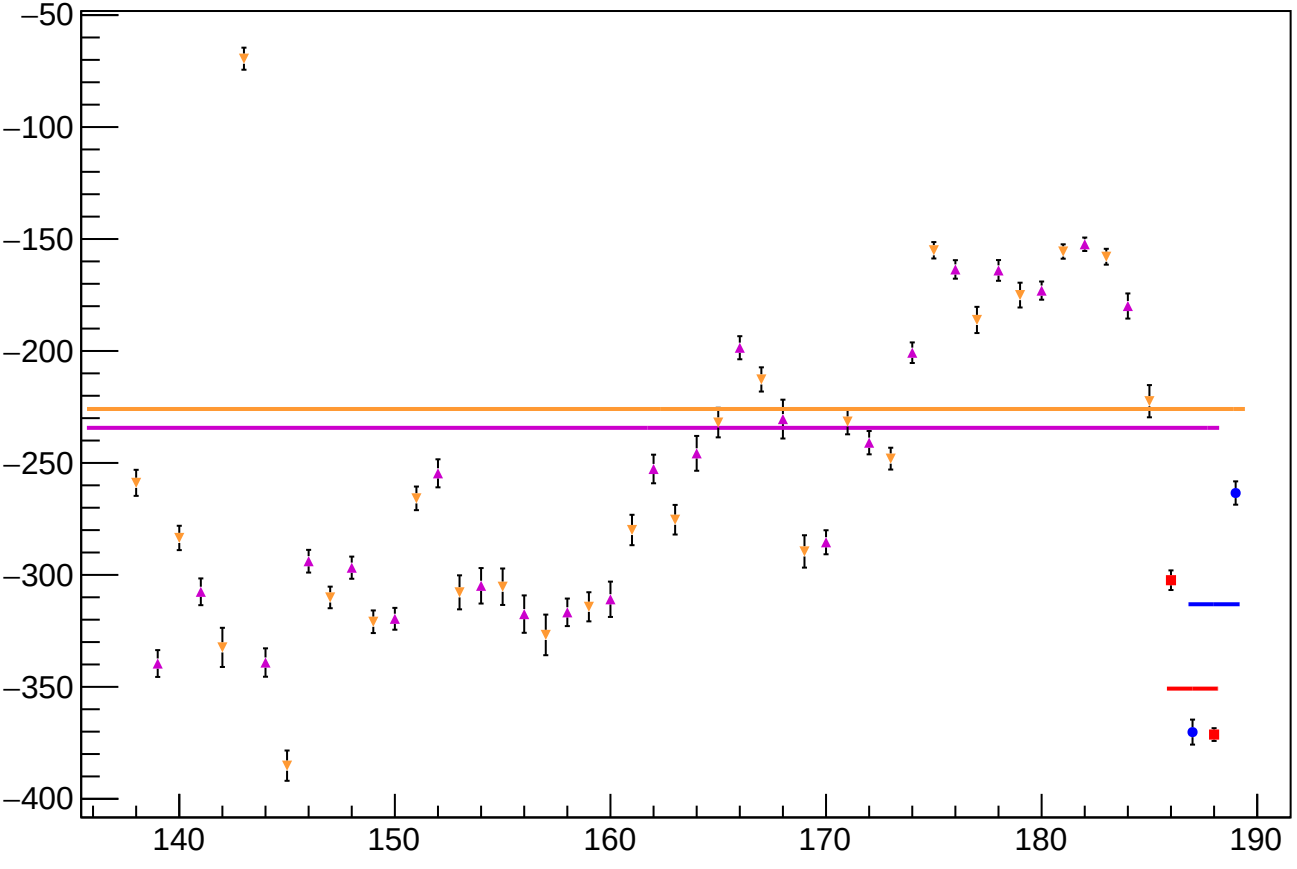
Right: 104.399+/-0.055 $\chi^2$/NDF: 1140582.0/39

In: 122.281+/-0.036 $\chi^2$/NDF:203539.9/41

Out: 114.086+/-0.035 $\chi^2$/NDF:1021898.0/45

All: 118.031+/-0.025 $\chi^2$/NDF: 1252376.0/87

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -313.109+/-3.809 $\chi^2$/NDF: 195.5/1

Left Out: -225.905+/-1.083 $\chi^2$/NDF:4669.2/24

Right Out: -350.782+/-2.390 $\chi^2$/NDF: 173.9/1

Left In: -234.328+/-1.104 $\chi^2$/NDF:3591.9/22

Left: -230.037+/-0.773 $\chi^2$/NDF: 8290.7/47

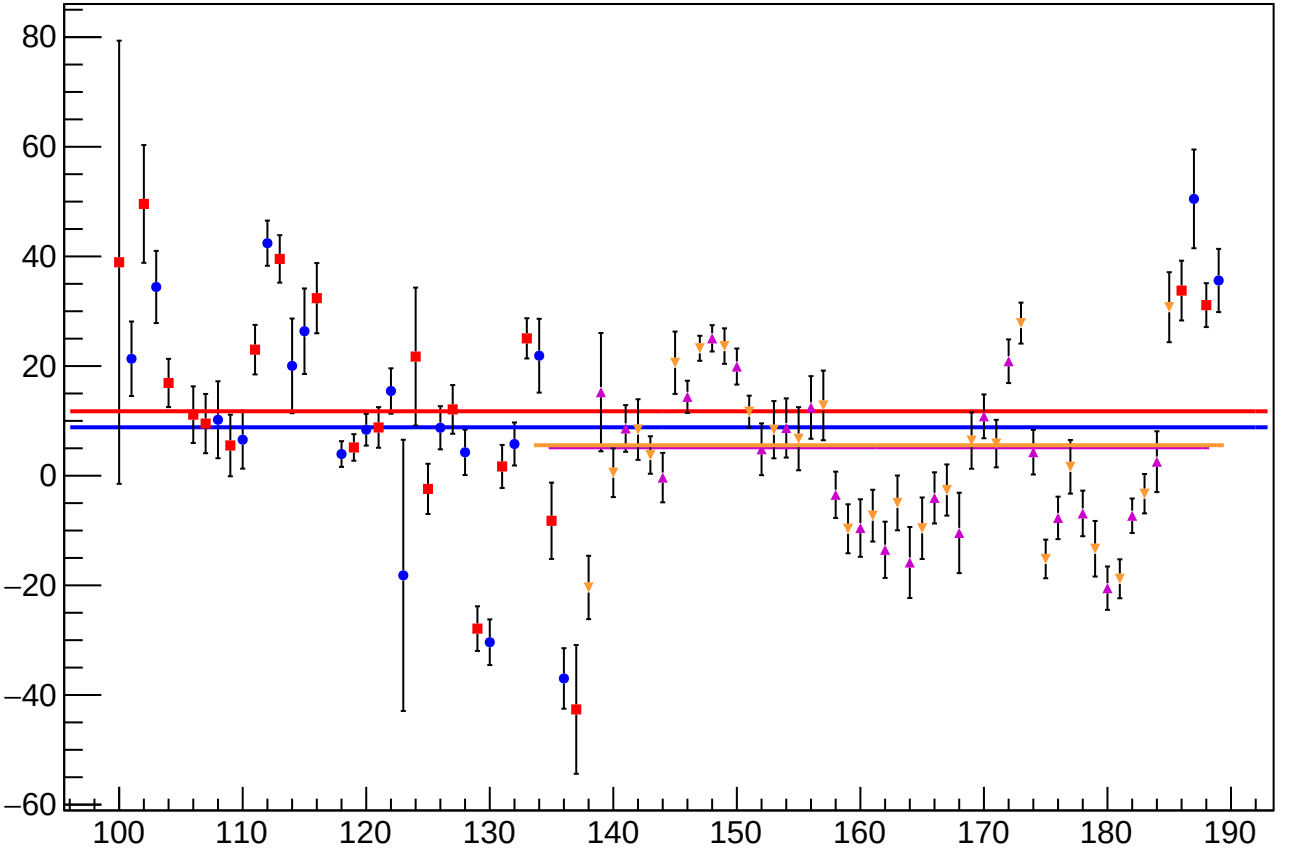
Right: -340.136+/-2.025 $\chi^2$/NDF: 439.6/3

In: -240.437+/-1.061 $\chi^2$/NDF:4182.1/24

Out: -247.188+/-0.987 $\chi^2$/NDF:7107.1/26

All: -244.055+/-0.722 $\chi^2$/NDF: 11310.9/51

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 8.833+/-1.058 $\chi^2$/NDF: 306.1/18

Left Out: 5.558+/-0.832 $\chi^2$/NDF:313.4/24

Right Out: 11.755+/-1.019 $\chi^2$/NDF: 275.6/20

Left In: 5.186+/-0.867 $\chi^2$/NDF:243.2/22

Left: 5.380+/-0.600 $\chi^2$/NDF: 556.7/47

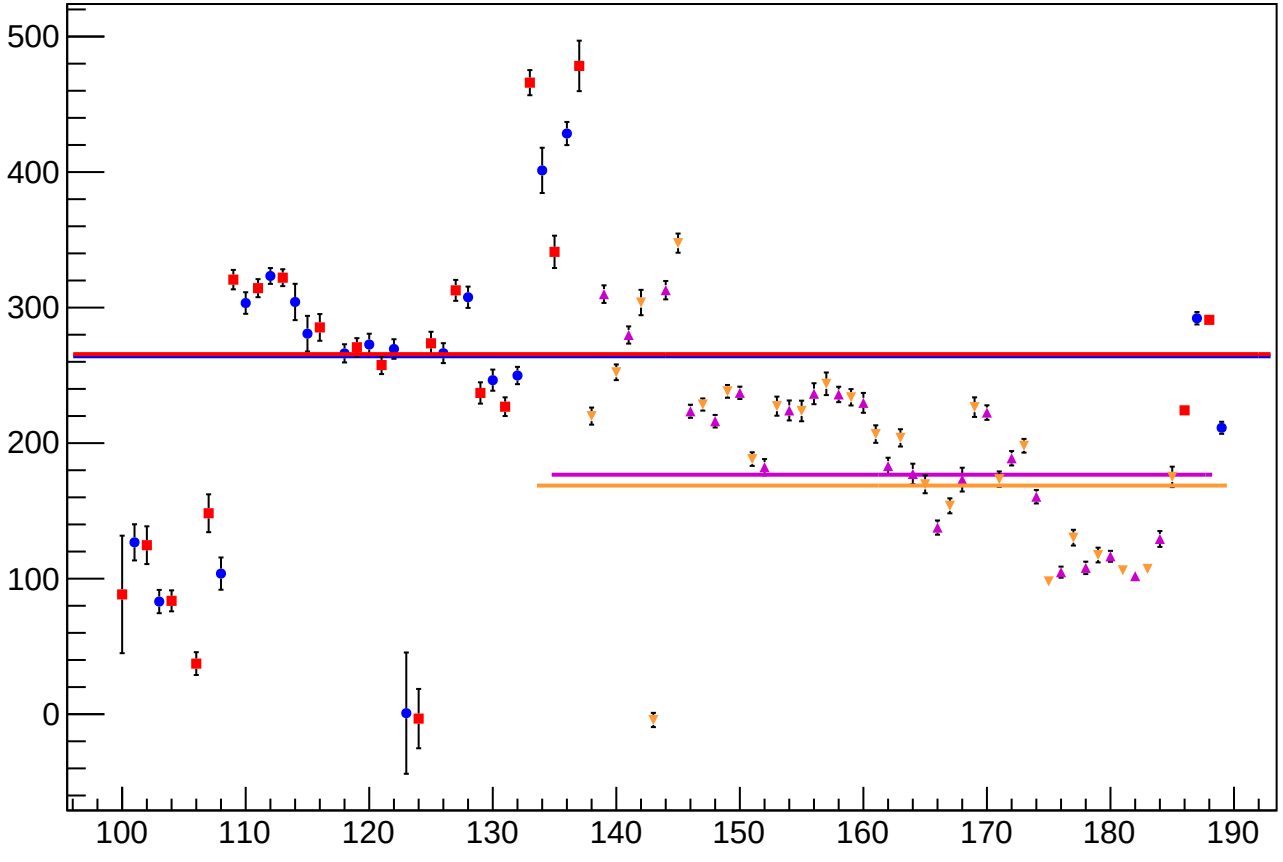
Right: 10.348+/-0.734 $\chi^2$/NDF: 585.6/39

In: 6.651+/-0.670 $\chi^2$/NDF:556.3/41

Out: 8.036+/-0.645 $\chi^2$/NDF:611.3/45

All: 7.371+/-0.465 $\chi^2$/NDF: 1169.8/87

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 264.095+/-1.739 $\chi^2$/NDF: 1558.7/18

Left Out: 168.699+/-1.086 $\chi^2$/NDF:4238.2/24

Right Out: 265.674+/-1.379 $\chi^2$/NDF: 2810.3/20

Left In: 176.711+/-1.102 $\chi^2$/NDF:3234.3/22

Left: 172.648+/-0.774 $\chi^2$/NDF: 7499.3/47

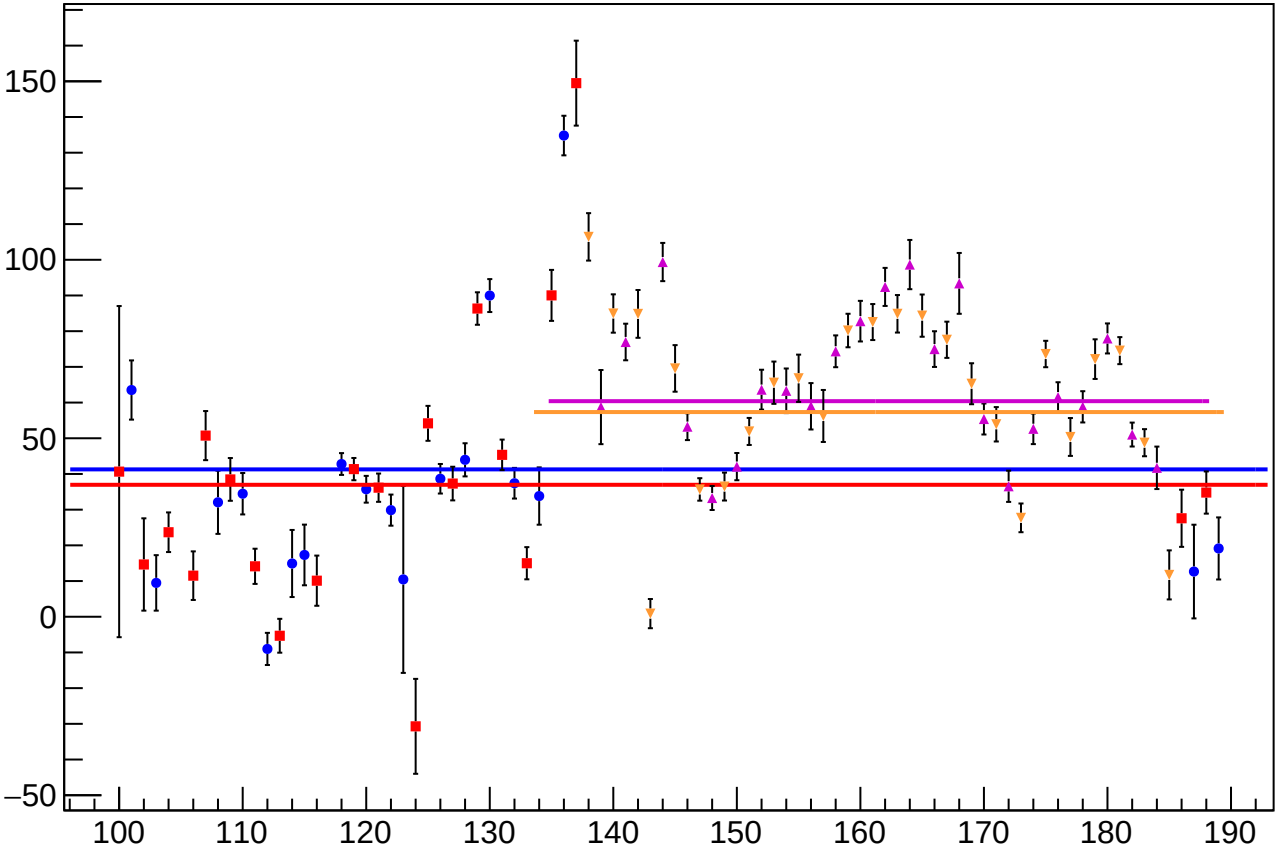
Right: 265.064+/-1.080 $\chi^2$/NDF: 4369.5/39

In: 201.748+/-0.931 $\chi^2$/NDF:6595.1/41

Out: 205.847+/-0.853 $\chi^2$/NDF:10100.6/45

All: 203.975+/-0.629 $\chi^2$/NDF: 16706.2/87

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 41.283+/-1.237 $\chi^2$/NDF: 587.1/18

Left Out: 57.343+/-0.956 $\chi^2$/NDF:641.5/24

Right Out: 36.965+/-1.197 $\chi^2$/NDF: 474.2/20

Left In: 60.392+/-0.987 $\chi^2$/NDF:341.2/22

Left: 58.819+/-0.687 $\chi^2$/NDF: 987.6/47

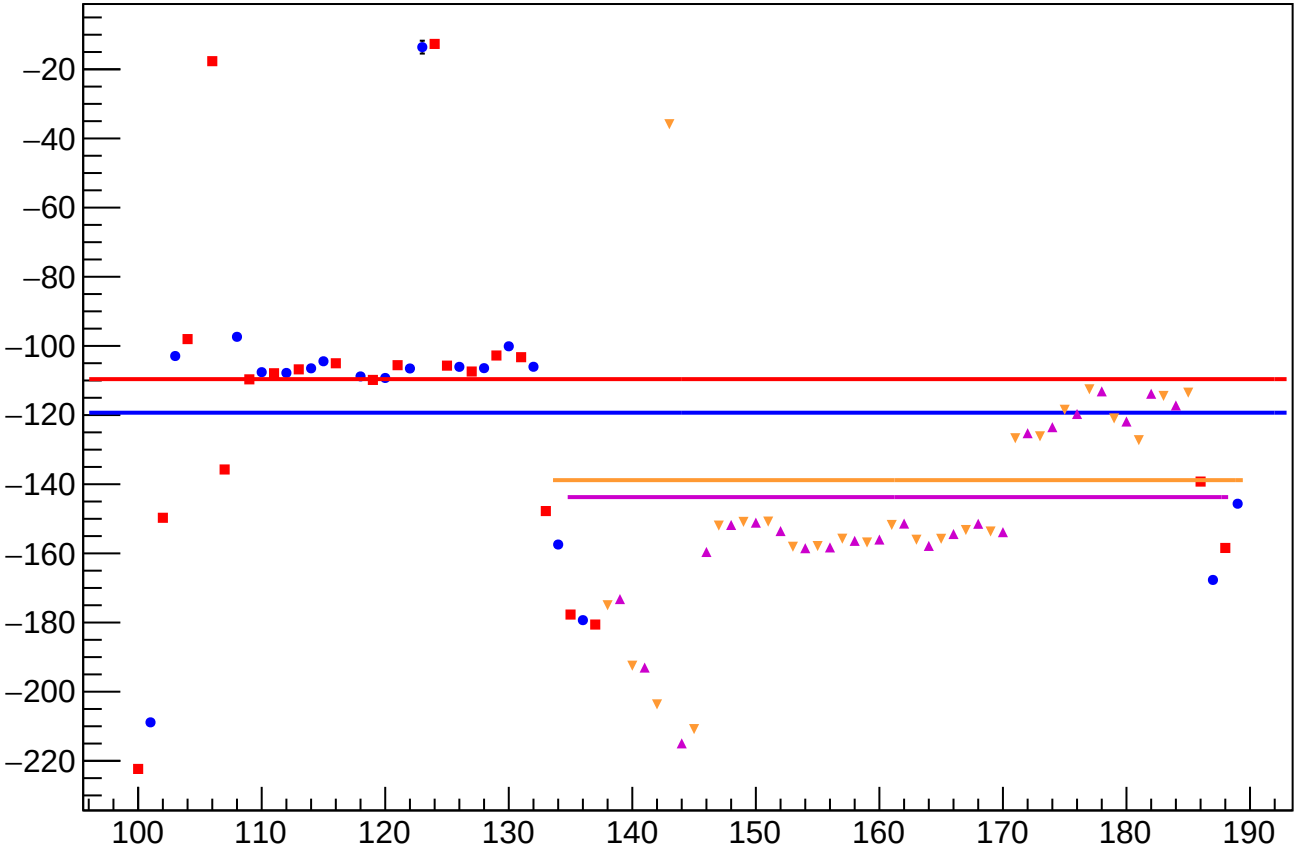
Right: 39.053+/-0.860 $\chi^2$/NDF: 1067.6/39

In: 52.957+/-0.772 $\chi^2$/NDF:1074.2/41

Out: 49.407+/-0.747 $\chi^2$/NDF:1292.5/45

All: 51.125+/-0.537 $\chi^2$/NDF: 2377.6/87

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -119.315+/-0.076 $\chi^2$/NDF: 152285.2/18

Left Out: -138.821+/-0.045 $\chi^2$/NDF:525537.6/24

Right Out: -109.606+/-0.070 $\chi^2$/NDF: 359329.2/20

Left In: -143.726+/-0.046 $\chi^2$/NDF:260994.5/22

Left: -141.241+/-0.032 $\chi^2$/NDF: 792316.4/47

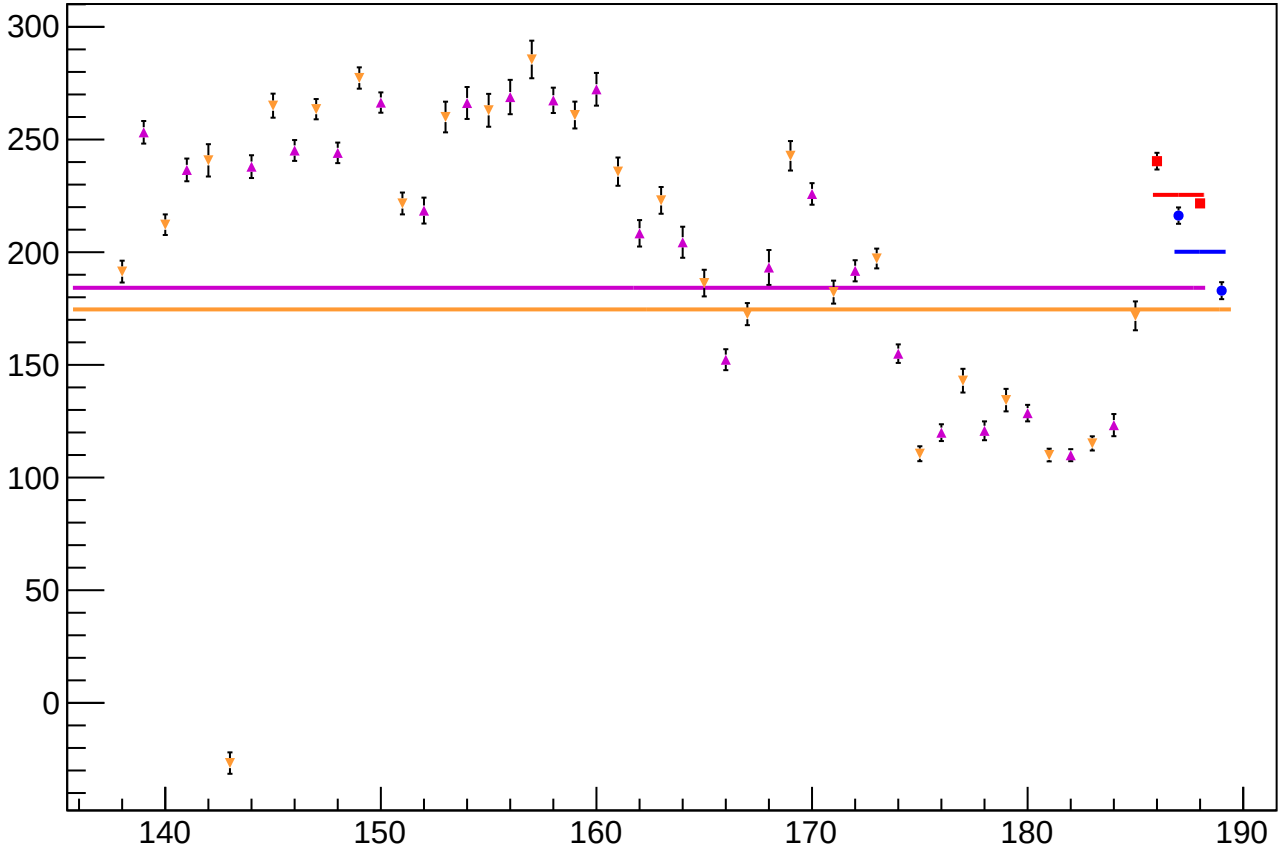
Right: -114.073+/-0.051 $\chi^2$/NDF: 520473.7/39

In: -137.175+/-0.039 $\chi^2$/NDF:489162.4/41

Out: -130.191+/-0.038 $\chi^2$/NDF:1007716.1/45

All: -133.571+/-0.027 $\chi^2$/NDF: 1513202.0/87

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 200.197+/-2.614 $\chi^2$/NDF: 40.5/1

Left Out: 174.613+/-0.969 $\chi^2$/NDF:5551.3/24

Right Out: 225.449+/-1.665 $\chi^2$/NDF: 20.4/1

Left In: 184.205+/-0.987 $\chi^2$/NDF:3637.1/22

Left: 179.321+/-0.691 $\chi^2$/NDF: 9236.5/47

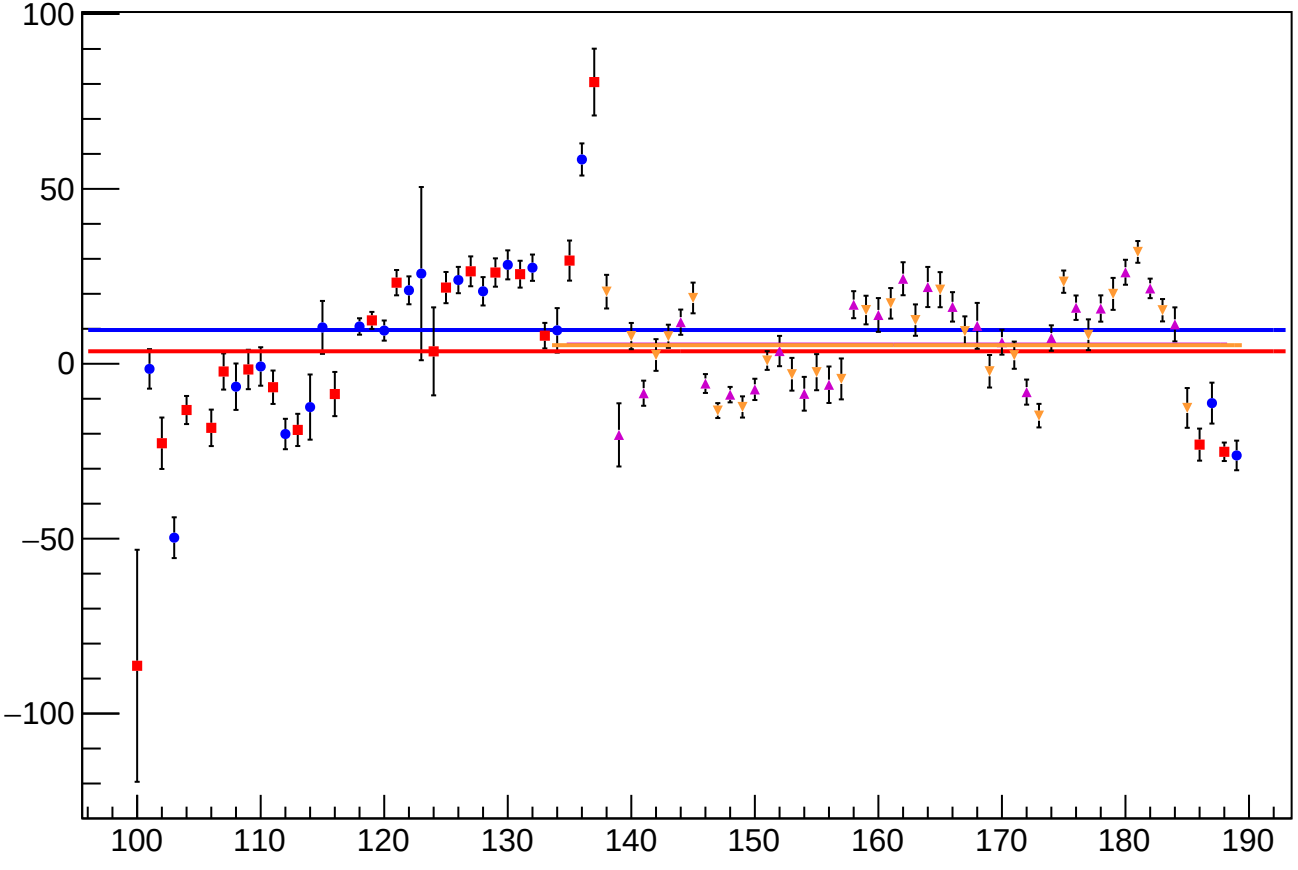
Right: 218.161+/-1.404 $\chi^2$/NDF: 127.3/3

In: 186.200+/-0.923 $\chi^2$/NDF:3710.4/24

Out: 187.475+/-0.837 $\chi^2$/NDF:6268.1/26

All: 186.900+/-0.620 $\chi^2$/NDF: 9979.5/51

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 9.651+/-1.009 $\chi^2$/NDF: 439.9/18

Left Out: 5.314+/-0.750 $\chi^2$/NDF:345.1/24

Right Out: 3.568+/-0.955 $\chi^2$/NDF: 480.7/20

Left In: 5.483+/-0.779 $\chi^2$/NDF:259.1/22

Left: 5.396+/-0.540 $\chi^2$/NDF: 604.2/47

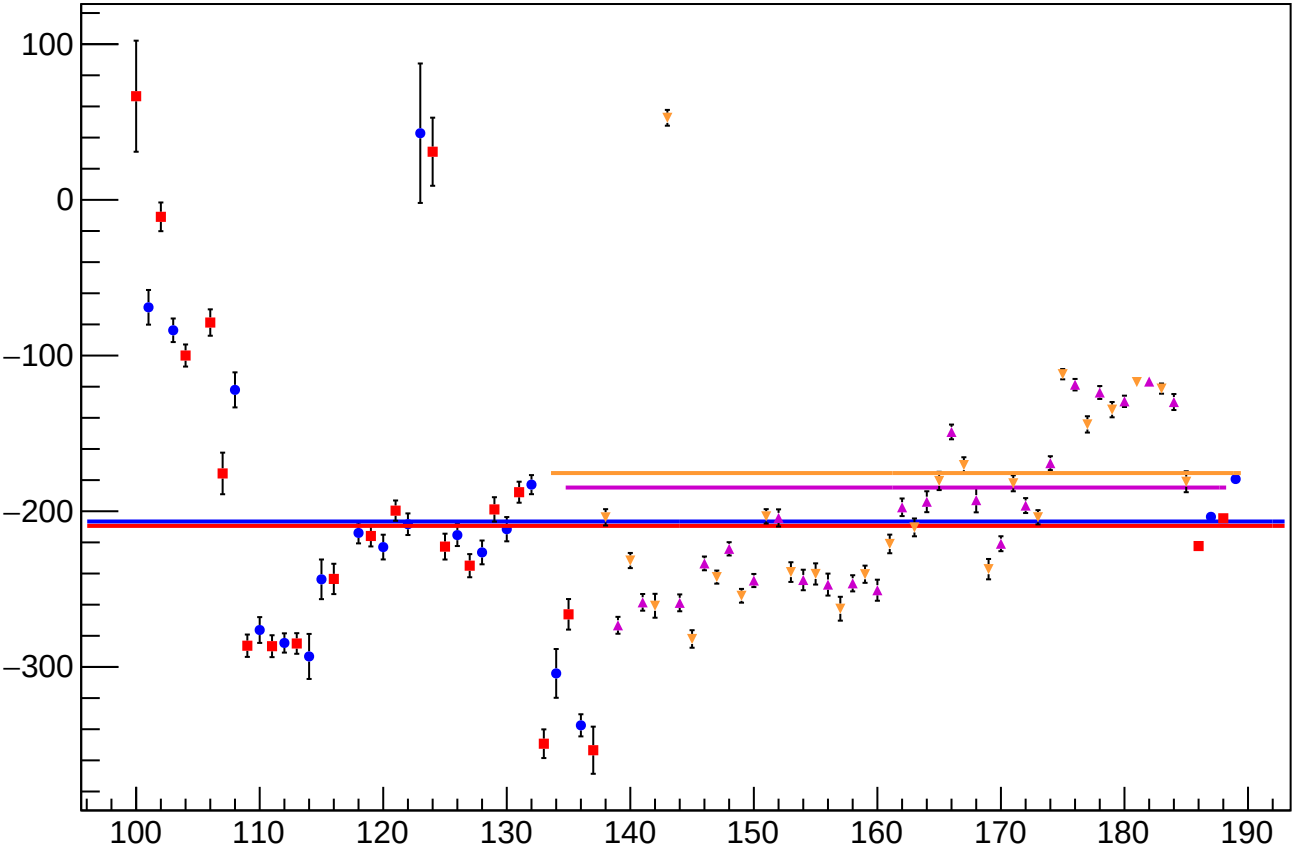
Right: 6.442+/-0.693 $\chi^2$/NDF: 939.7/39

In: 7.040+/-0.617 $\chi^2$/NDF:709.6/41

Out: 4.647+/-0.590 $\chi^2$/NDF:827.9/45

All: 5.791+/-0.426 $\chi^2$/NDF: 1545.3/87

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -206.574+/-1.473 $\chi^2$/NDF: 1260.1/18

Left Out: -175.470+/-0.974 $\chi^2$/NDF:5103.8/24

Right Out: -209.401+/-1.098 $\chi^2$/NDF: 1917.8/20

Left In: -184.774+/-0.987 $\chi^2$/NDF:3082.4/22

Left: -180.060+/-0.693 $\chi^2$/NDF: 8231.2/47

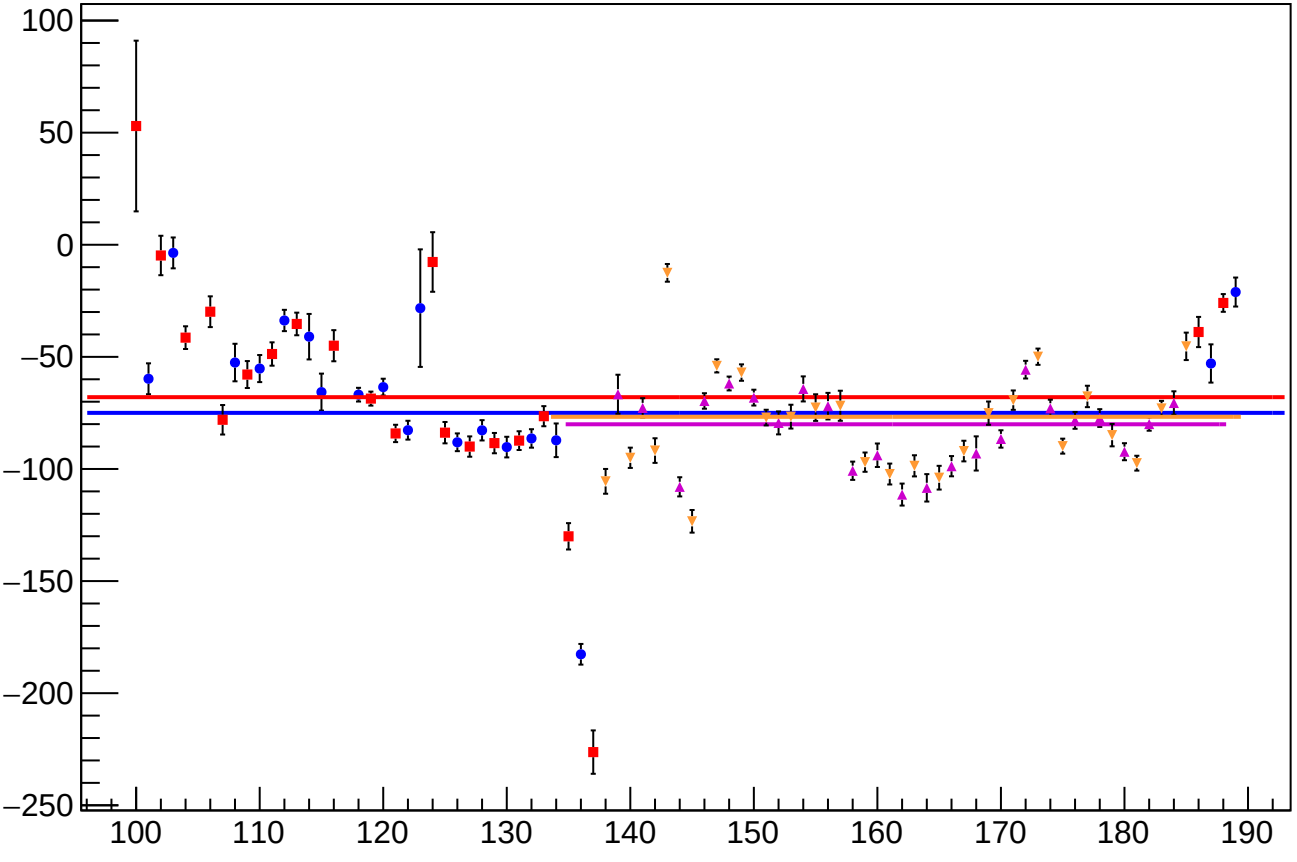
Right: -208.391+/-0.880 $\chi^2$/NDF: 3180.2/39

In: -191.530+/-0.820 $\chi^2$/NDF:4493.7/41

Out: -190.409+/-0.729 $\chi^2$/NDF:7556.1/45

All: -190.903+/-0.545 $\chi^2$/NDF: 12050.8/87

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -74.976+/-1.187 $\chi^2$/NDF: 897.1/18

Left Out: -76.747+/-0.861 $\chi^2$/NDF:746.8/24

Right Out: -67.977+/-1.139 $\chi^2$/NDF: 820.6/20

Left In: -80.068+/-0.886 $\chi^2$/NDF:286.8/22

Left: -78.359+/-0.617 $\chi^2$/NDF: 1040.8/47

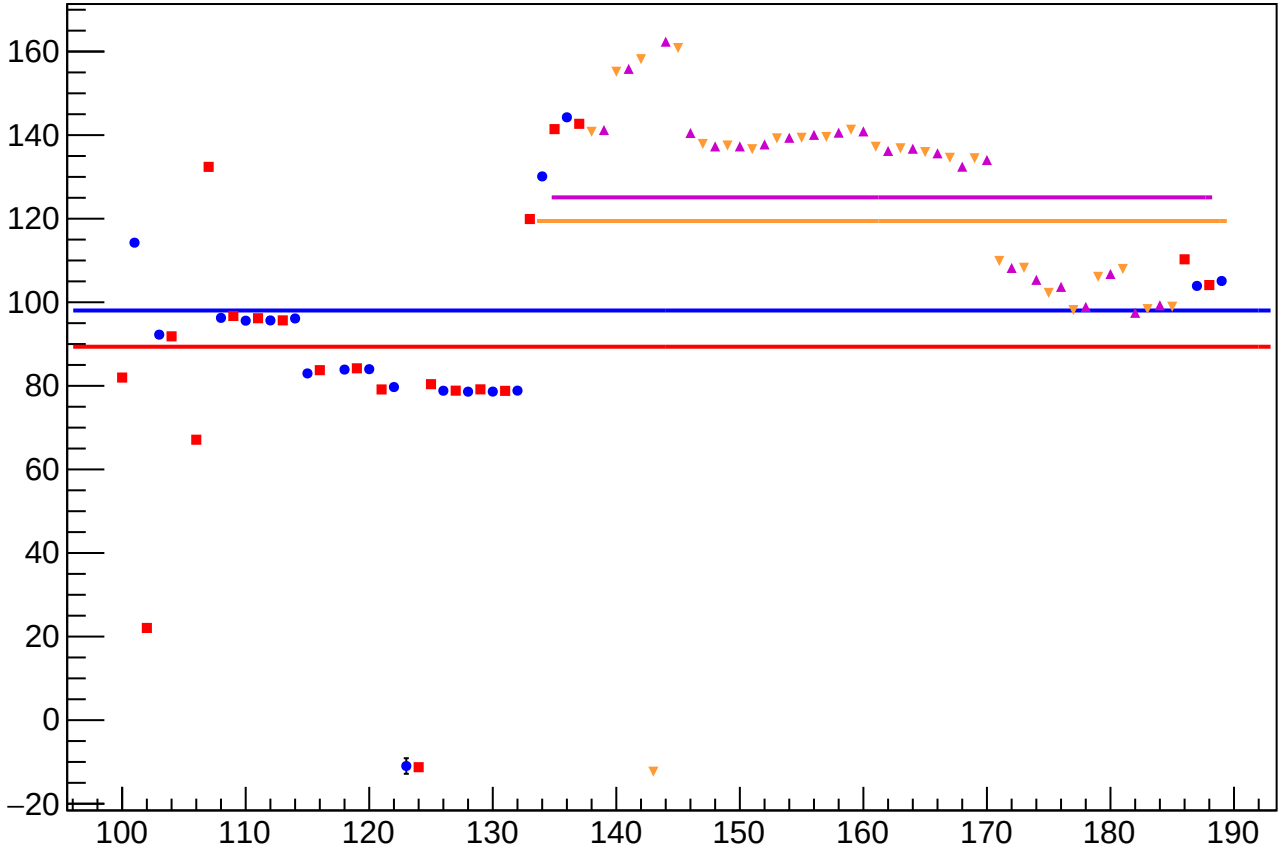
Right: -71.334+/-0.822 $\chi^2$/NDF: 1735.7/39

In: -78.245+/-0.710 $\chi^2$/NDF:1195.7/41

Out: -73.560+/-0.687 $\chi^2$/NDF:1605.1/45

All: -75.824+/-0.494 $\chi^2$/NDF: 2823.3/87

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 98.031+/-0.070 $\chi^2$/NDF: 95270.8/18

Left Out: 119.448+/-0.041 $\chi^2$/NDF:660075.8/24

Right Out: 89.363+/-0.064 $\chi^2$/NDF: 229787.9/20

Left In: 125.101+/-0.041 $\chi^2$/NDF:222793.3/22

Left: 122.242+/-0.029 $\chi^2$/NDF: 892441.6/47

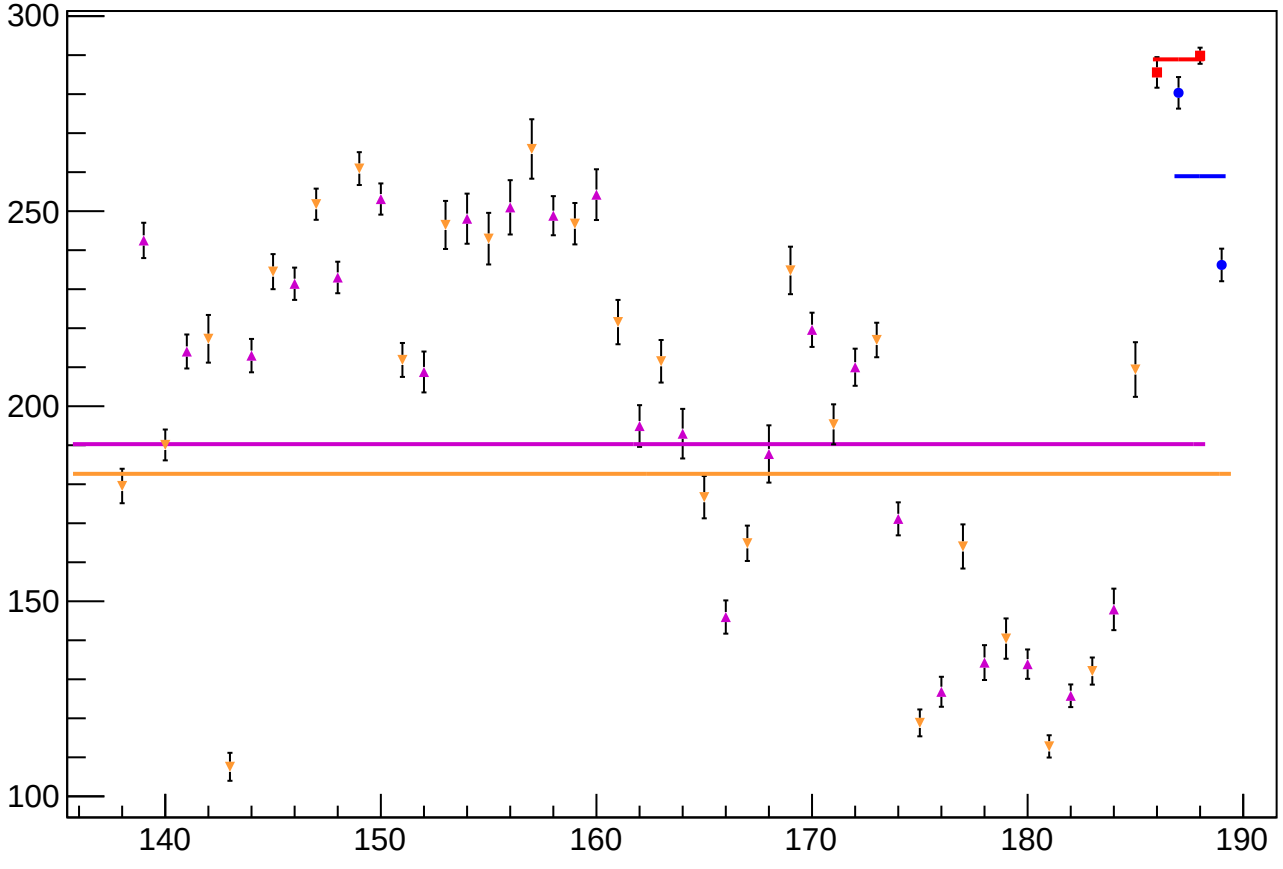
Right: 93.303+/-0.047 $\chi^2$/NDF: 333348.8/39

In: 118.207+/-0.035 $\chi^2$/NDF:428556.4/41

Out: 110.843+/-0.034 $\chi^2$/NDF:1046715.7/45

All: 114.403+/-0.025 $\chi^2$/NDF: 1497524.4/87

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 258.962+/-2.906 $\chi^2$/NDF: 57.6/1

Left Out: 182.672+/-0.919 $\chi^2$/NDF:3230.7/24

Right Out: 288.913+/-1.829 $\chi^2$/NDF: 0.9/1

Left In: 190.279+/-0.949 $\chi^2$/NDF:2452.9/22

Left: 186.352+/-0.660 $\chi^2$/NDF: 5716.7/47

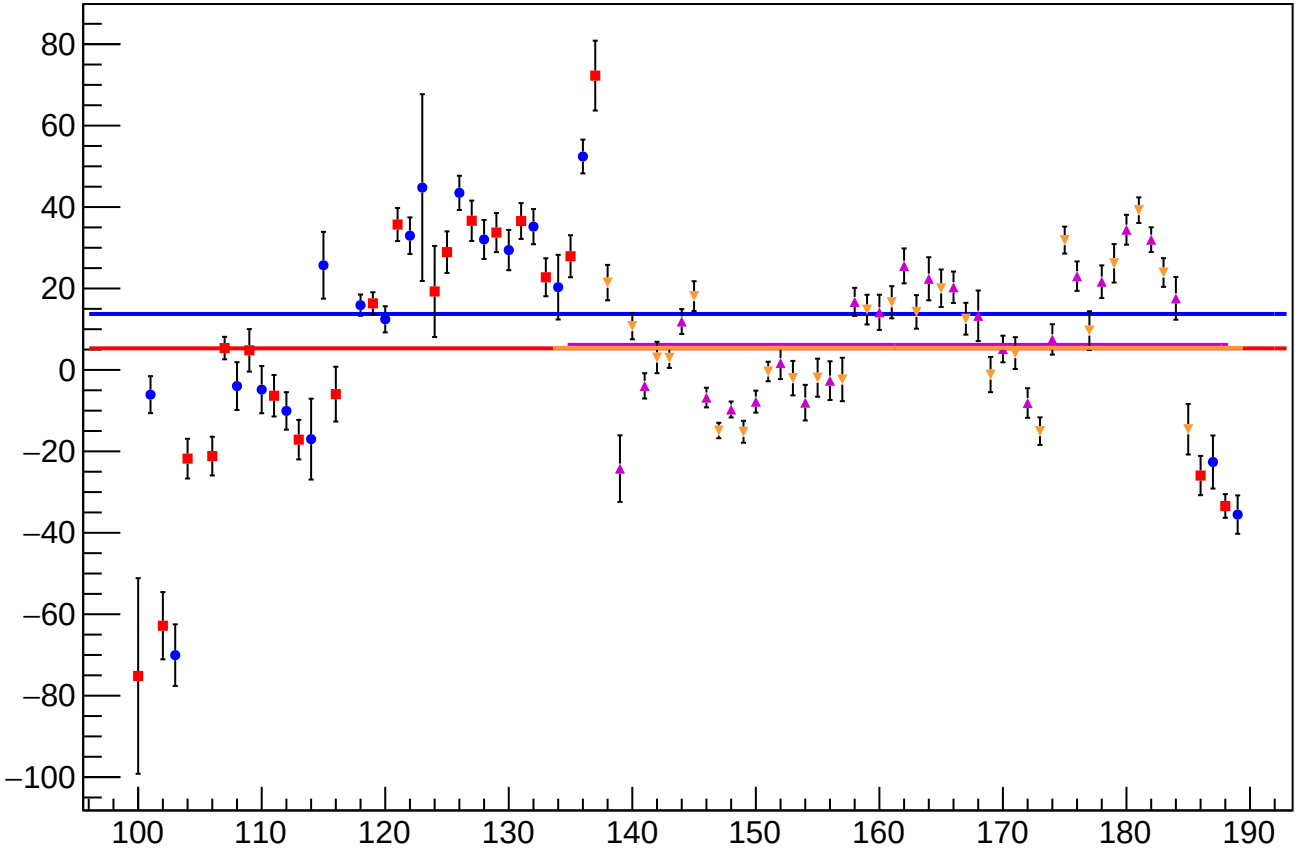
Right: 280.414+/-1.548 $\chi^2$/NDF: 134.6/3

In: 196.898+/-0.902 $\chi^2$/NDF:3015.3/24

Out: 204.069+/-0.821 $\chi^2$/NDF:5926.0/26

All: 200.820+/-0.607 $\chi^2$/NDF: 8975.9/51

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 13.744+/-1.098 $\chi^2$/NDF: 548.0/18

Left Out: 5.425+/-0.693 $\chi^2$/NDF:525.2/24

Right Out: 5.301+/-0.995 $\chi^2$/NDF: 704.7/20

Left In: 6.151+/-0.730 $\chi^2$/NDF:410.6/22

Left: 5.769+/-0.502 $\chi^2$/NDF: 936.2/47

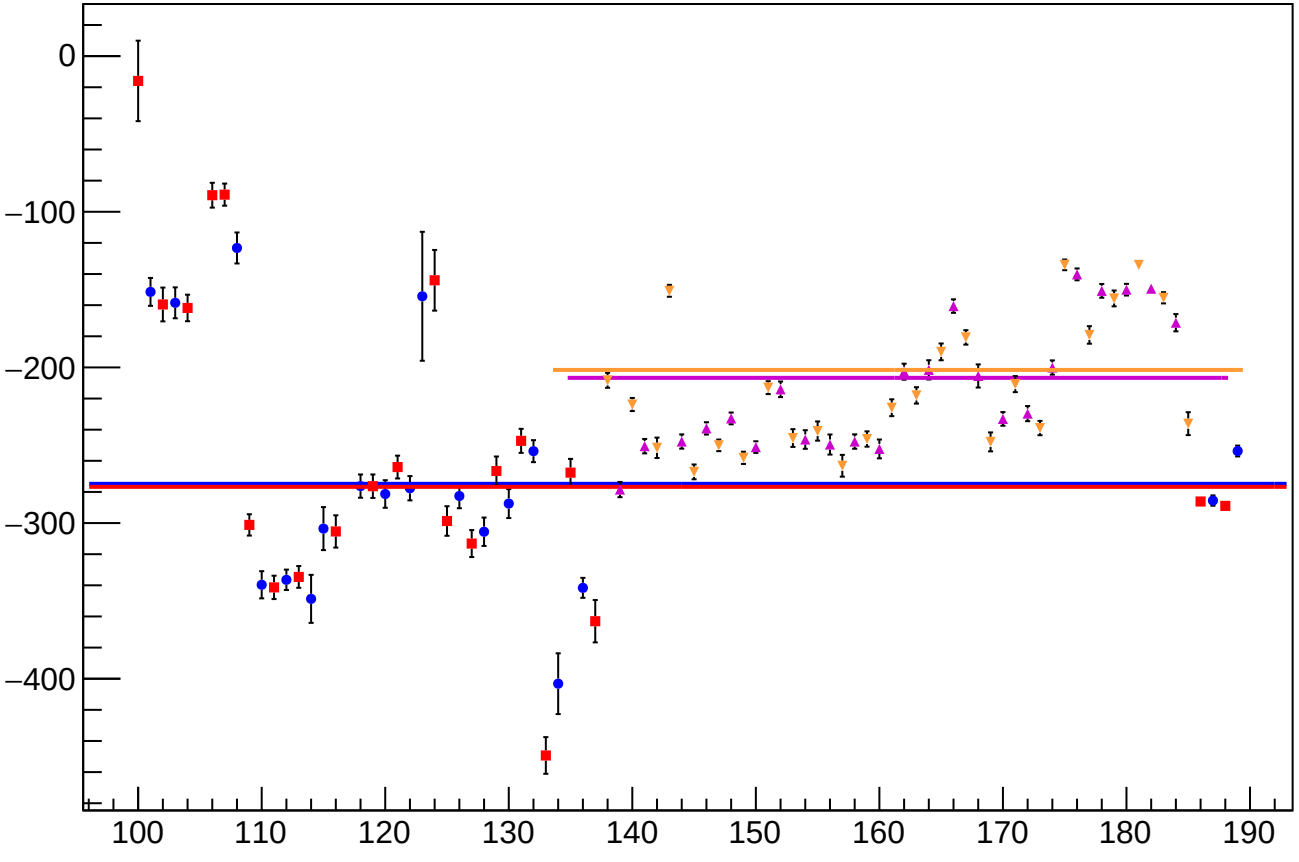
Right: 9.109+/-0.737 $\chi^2$/NDF: 1285.2/39

In: 8.478+/-0.608 $\chi^2$/NDF:991.8/41

Out: 5.385+/-0.569 $\chi^2$/NDF:1229.9/45

All: 6.828+/-0.415 $\chi^2$/NDF: 2235.5/87

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -274.790+/-1.610 $\chi^2$/NDF: 960.5/18

Left Out: -201.610+/-0.922 $\chi^2$/NDF:2462.4/24

Right Out: -276.729+/-1.187 $\chi^2$/NDF: 2220.7/20

Left In: -206.700+/-0.946 $\chi^2$/NDF:2134.9/22

Left: -204.091+/-0.660 $\chi^2$/NDF: 4612.2/47

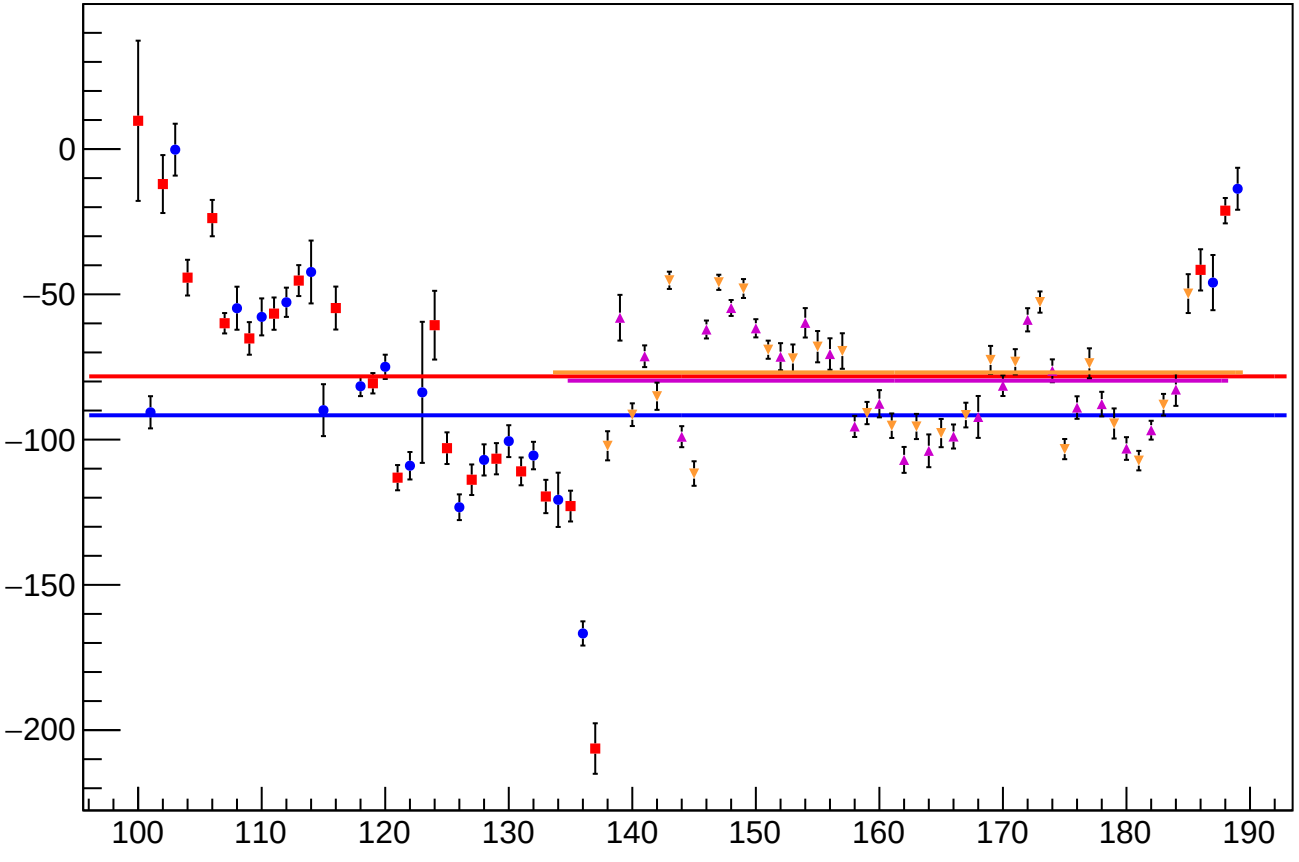
Right: -276.046+/-0.955 $\chi^2$/NDF: 3182.1/39

In: -224.180+/-0.816 $\chi^2$/NDF:4425.0/41

Out: -229.896+/-0.728 $\chi^2$/NDF:7180.2/45

All: -227.360+/-0.543 $\chi^2$/NDF: 11632.6/87

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -91.636+/-1.289 $\chi^2$/NDF: 821.5/18

Left Out: -76.870+/-0.802 $\chi^2$/NDF:758.7/24

Right Out: -78.236+/-1.192 $\chi^2$/NDF: 1001.9/20

Left In: -79.719+/-0.837 $\chi^2$/NDF:415.2/22

Left: -78.232+/-0.579 $\chi^2$/NDF: 1179.9/47

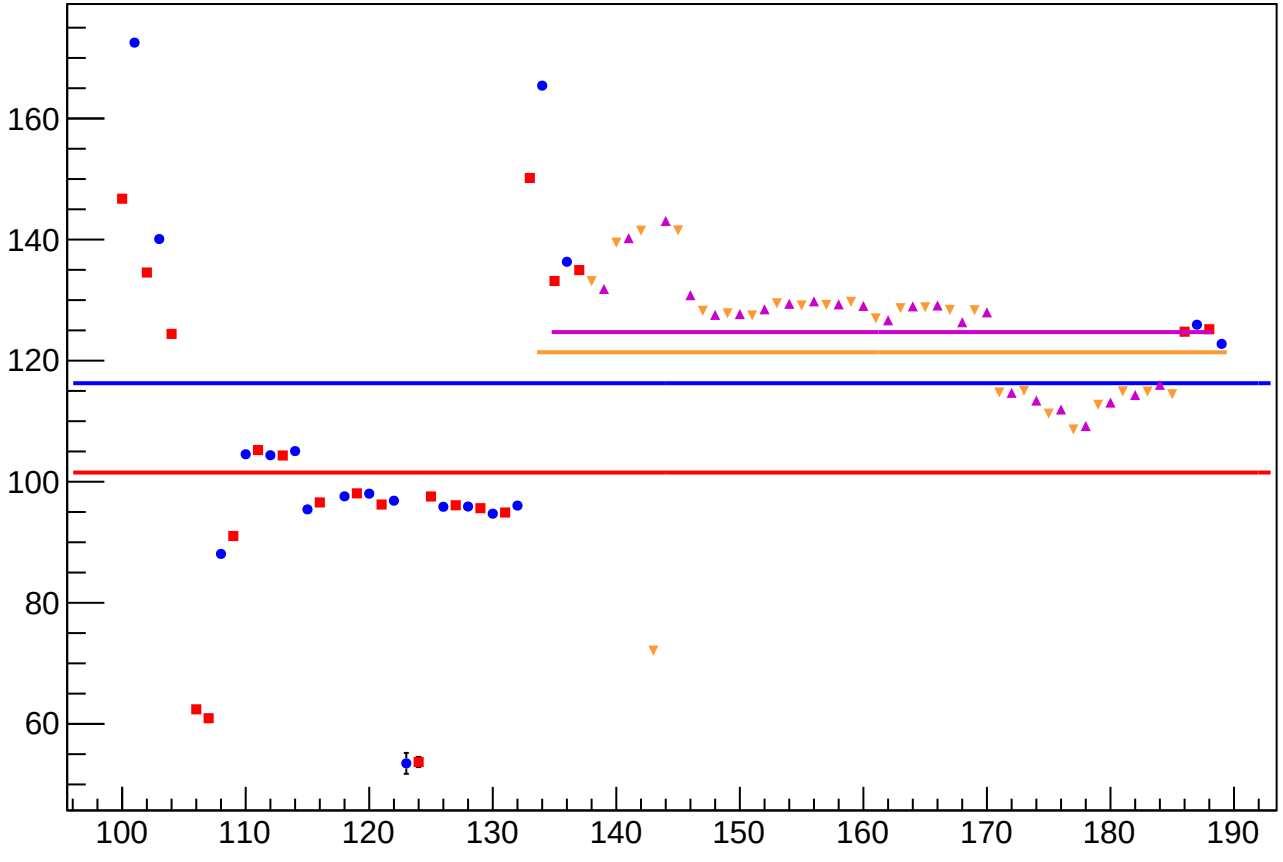
Right: -84.415+/-0.875 $\chi^2$/NDF: 1881.7/39

In: -83.257+/-0.702 $\chi^2$/NDF:1296.8/41

Out: -77.295+/-0.665 $\chi^2$/NDF:1761.5/45

All: -80.115+/-0.483 $\chi^2$/NDF: 3096.4/87

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 116.275+/-0.075 $\chi^2$/NDF: 107132.6/18

Left Out: 121.385+/-0.038 $\chi^2$/NDF:164871.1/24

Right Out: 101.519+/-0.065 $\chi^2$/NDF: 187184.7/20

Left In: 124.714+/-0.039 $\chi^2$/NDF:51750.7/22

Left: 123.014+/-0.027 $\chi^2$/NDF: 220328.2/47

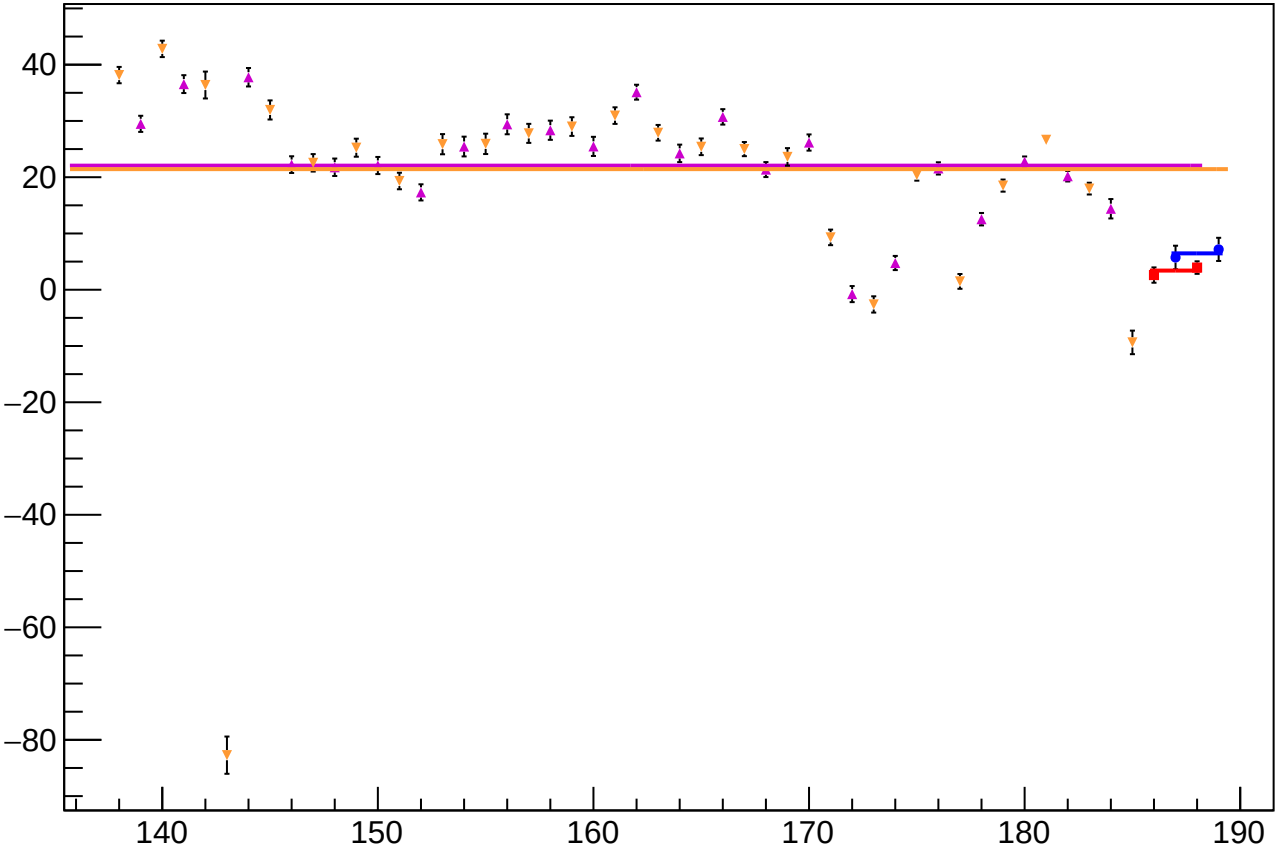
Right: 107.846+/-0.049 $\chi^2$/NDF: 316294.1/39

In: 122.921+/-0.035 $\chi^2$/NDF:168794.8/41

Out: 116.295+/-0.033 $\chi^2$/NDF:421153.5/45

All: 119.443+/-0.024 $\chi^2$/NDF: 609108.2/87

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 6.464+/-1.469 $\chi^2$/NDF: 0.2/1

Left Out: 21.435+/-0.283 $\chi^2$/NDF:2406.2/24

Right Out: 3.405+/-0.862 $\chi^2$/NDF: 0.6/1

Left In: 22.055+/-0.284 $\chi^2$/NDF:941.3/22

Left: 21.743+/-0.200 $\chi^2$/NDF: 3349.9/47

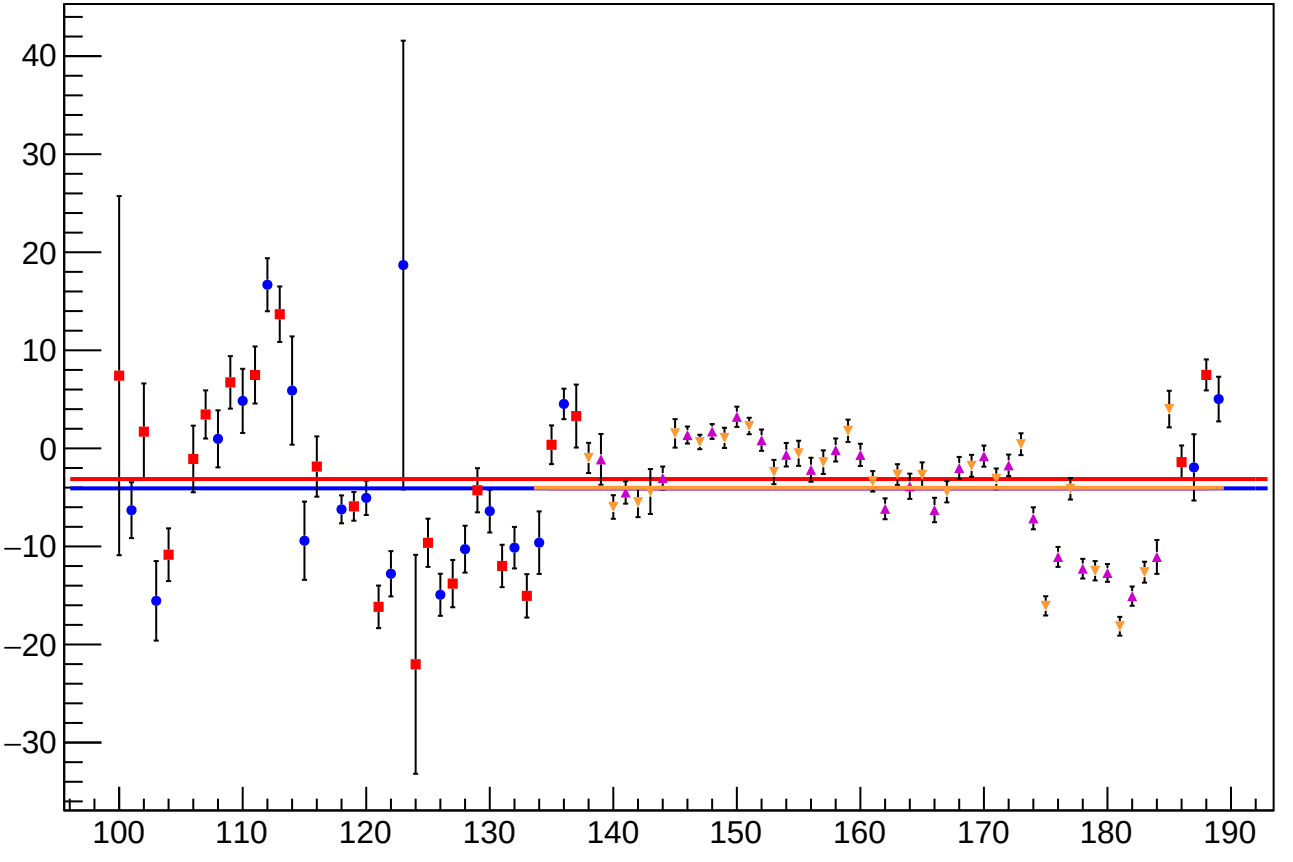
Right: 4.188+/-0.743 $\chi^2$/NDF: 4.0/3

In: 21.492+/-0.279 $\chi^2$/NDF:1050.1/24

Out: 19.685+/-0.269 $\chi^2$/NDF:2801.8/26

All: 20.554+/-0.193 $\chi^2$/NDF: 3873.7/51

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: -4.078+/-0.554 $\chi^2$/NDF: 192.5/18

Left Out: -4.015+/-0.223 $\chi^2$/NDF:731.7/24

Right Out: -3.127+/-0.522 $\chi^2$/NDF: 247.7/20

Left In: -4.069+/-0.227 $\chi^2$/NDF:580.1/22

Left: -4.042+/-0.159 $\chi^2$/NDF: 1311.8/47

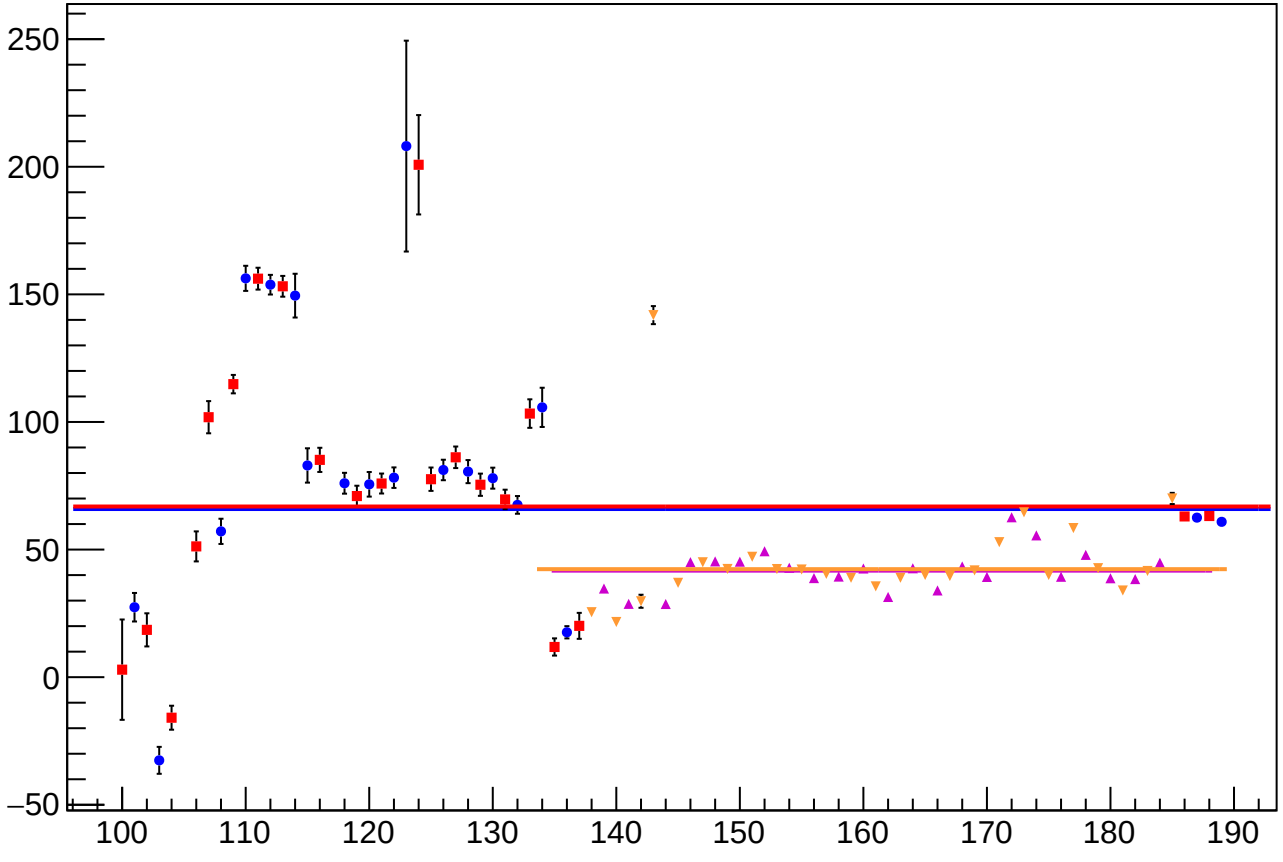
Right: -3.575+/-0.380 $\chi^2$/NDF: 441.8/39

In: -4.071+/-0.210 $\chi^2$/NDF:772.6/41

Out: -3.878+/-0.205 $\chi^2$/NDF:981.8/45

All: -3.972+/-0.147 $\chi^2$/NDF: 1754.8/87

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 65.889+/-0.812 $\chi^2$/NDF: 1868.3/18

Left Out: 42.322+/-0.282 $\chi^2$/NDF:1855.5/24

Right Out: 66.872+/-0.582 $\chi^2$/NDF: 1995.8/20

Left In: 41.755+/-0.283 $\chi^2$/NDF:659.6/22

Left: 42.039+/-0.200 $\chi^2$/NDF: 2517.1/47

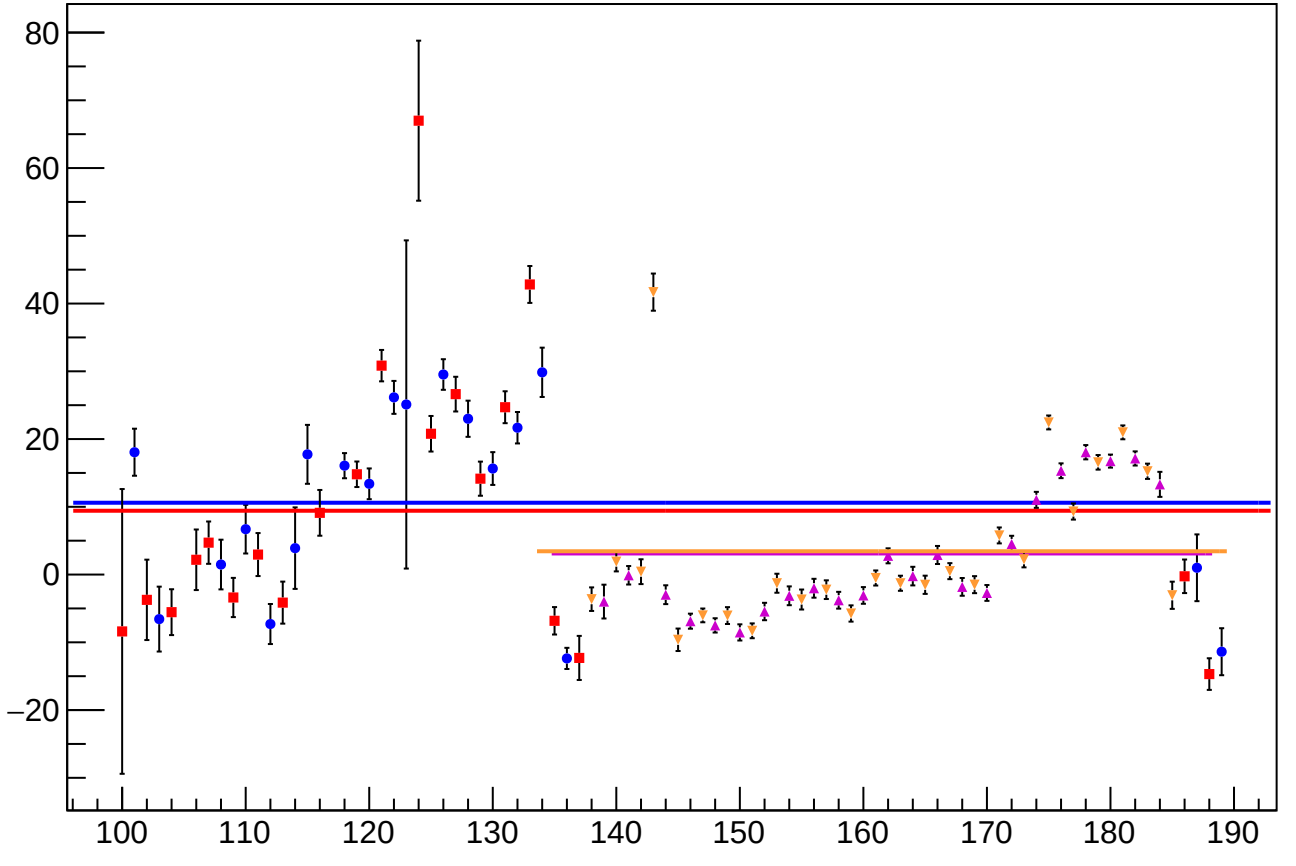
Right: 66.538+/-0.473 $\chi^2$/NDF: 3865.0/39

In: 44.368+/-0.267 $\chi^2$/NDF:3315.4/41

Out: 46.990+/-0.254 $\chi^2$/NDF:5291.4/45

All: 45.747+/-0.184 $\chi^2$/NDF: 8657.3/87

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 10.602+/-0.641 $\chi^2$/NDF: 524.4/18

Left Out: 3.439+/-0.252 $\chi^2$/NDF:1647.7/24

Right Out: 9.420+/-0.619 $\chi^2$/NDF: 681.2/20

Left In: 3.114+/-0.256 $\chi^2$/NDF:1273.1/22

Left: 3.279+/-0.180 $\chi^2$/NDF: 2921.5/47

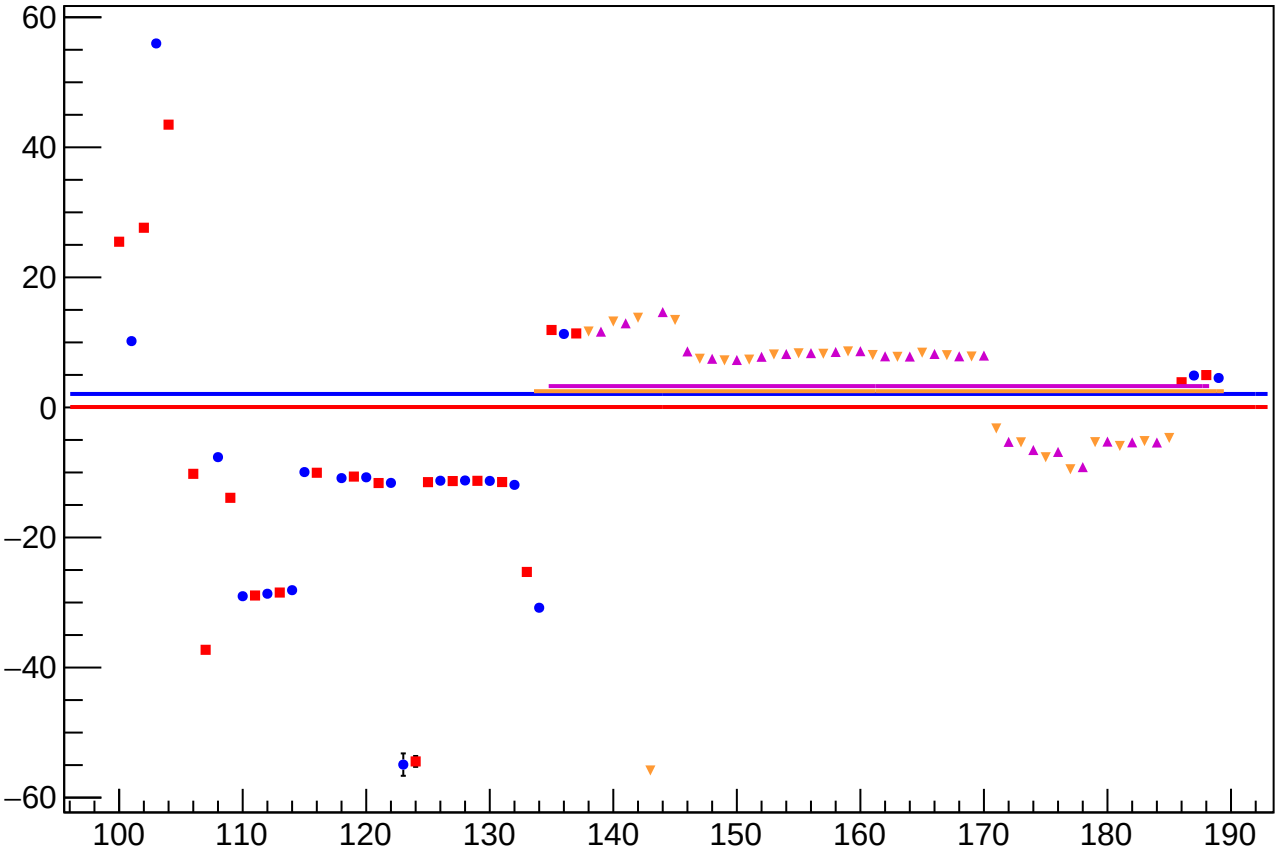
Right: 9.990+/-0.445 $\chi^2$/NDF: 1207.3/39

In: 4.145+/-0.238 $\chi^2$/NDF:1915.0/41

Out: 4.293+/-0.234 $\chi^2$/NDF:2408.9/45

All: 4.220+/-0.167 $\chi^2$/NDF: 4324.1/87

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 2.073+/-0.036 $\chi^2$/NDF: 359853.4/18

Left Out: 2.497+/-0.012 $\chi^2$/NDF:588138.5/24

Right Out: 0.064+/-0.034 $\chi^2$/NDF: 364386.1/20

Left In: 3.281+/-0.012 $\chi^2$/NDF:409605.3/22

Left: 2.888+/-0.008 $\chi^2$/NDF: 1000035.7/47

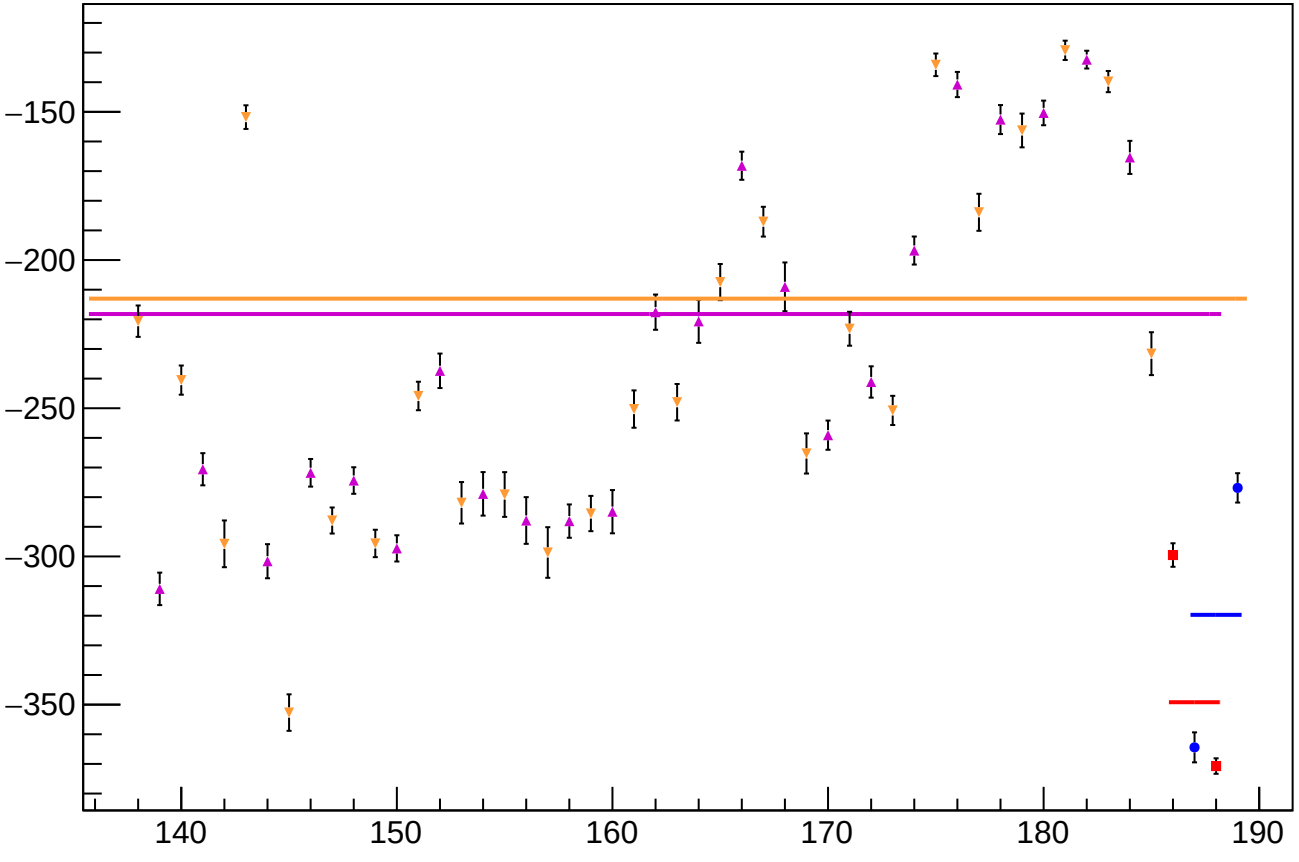
Right: 1.039+/-0.025 $\chi^2$/NDF: 725887.3/39

In: 3.164+/-0.011 $\chi^2$/NDF:770504.6/41

Out: 2.251+/-0.011 $\chi^2$/NDF:956996.9/45

All: 2.705+/-0.008 $\chi^2$/NDF: 1730953.4/87

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: -319.705+/-3.541 $\chi^2$/NDF: 152.8/1

Left Out: -213.020+/-1.035 $\chi^2$/NDF:3826.2/24

Right Out: -349.188+/-2.182 $\chi^2$/NDF: 224.7/1

Left In: -218.216+/-1.063 $\chi^2$/NDF:3499.0/22

Left: -215.550+/-0.742 $\chi^2$/NDF: 7337.5/47

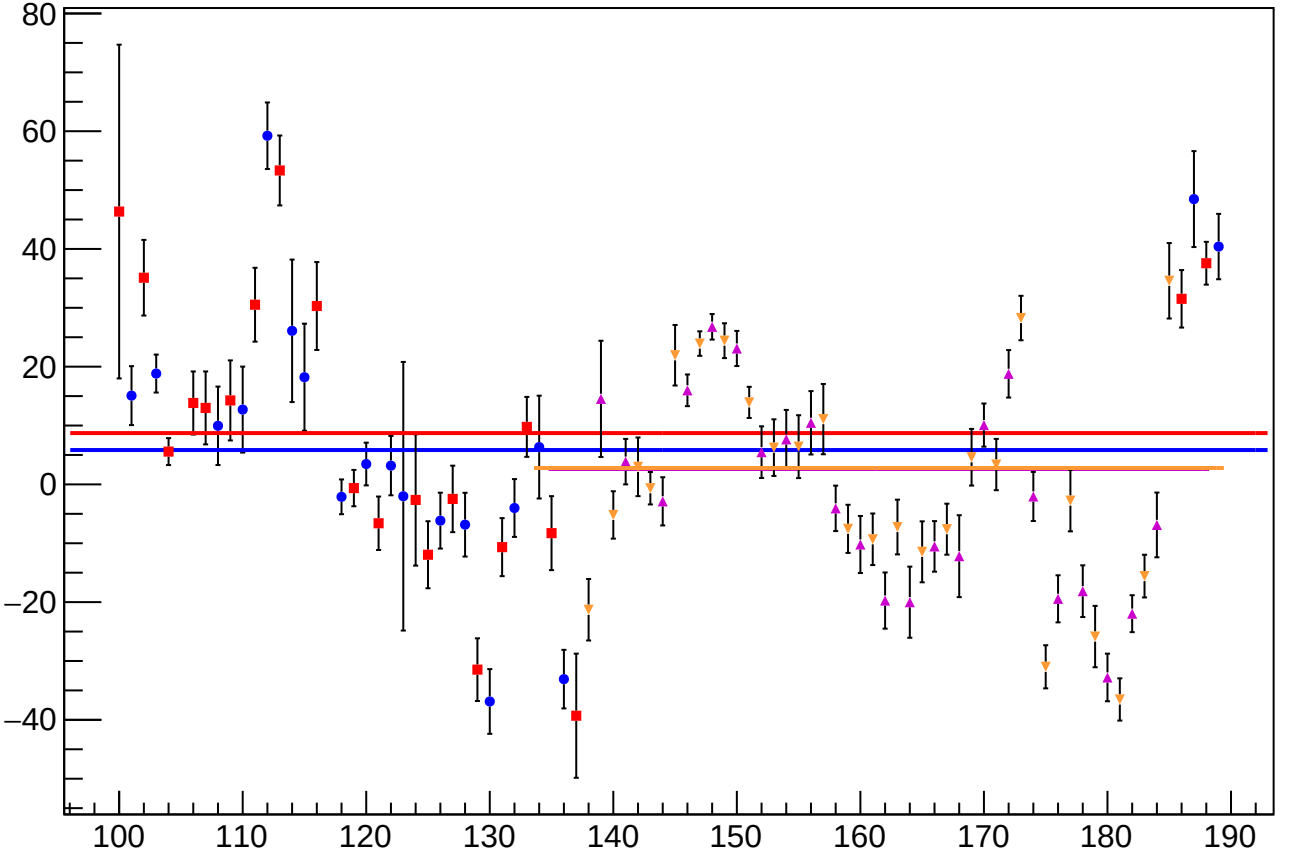
Right: -341.075+/-1.857 $\chi^2$/NDF: 427.7/3

In: -226.605+/-1.018 $\chi^2$/NDF:4405.4/24

Out: -238.053+/-0.935 $\chi^2$/NDF:7230.2/26

All: -232.812+/-0.689 $\chi^2$/NDF: 11704.2/51

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 5.835+/-1.184 $\chi^2$/NDF: 326.4/18

Left Out: 2.786+/-0.780 $\chi^2$/NDF:582.0/24

Right Out: 8.716+/-1.078 $\chi^2$/NDF: 323.4/20

Left In: 2.619+/-0.821 $\chi^2$/NDF:477.6/22

Left: 2.707+/-0.565 $\chi^2$/NDF: 1059.7/47

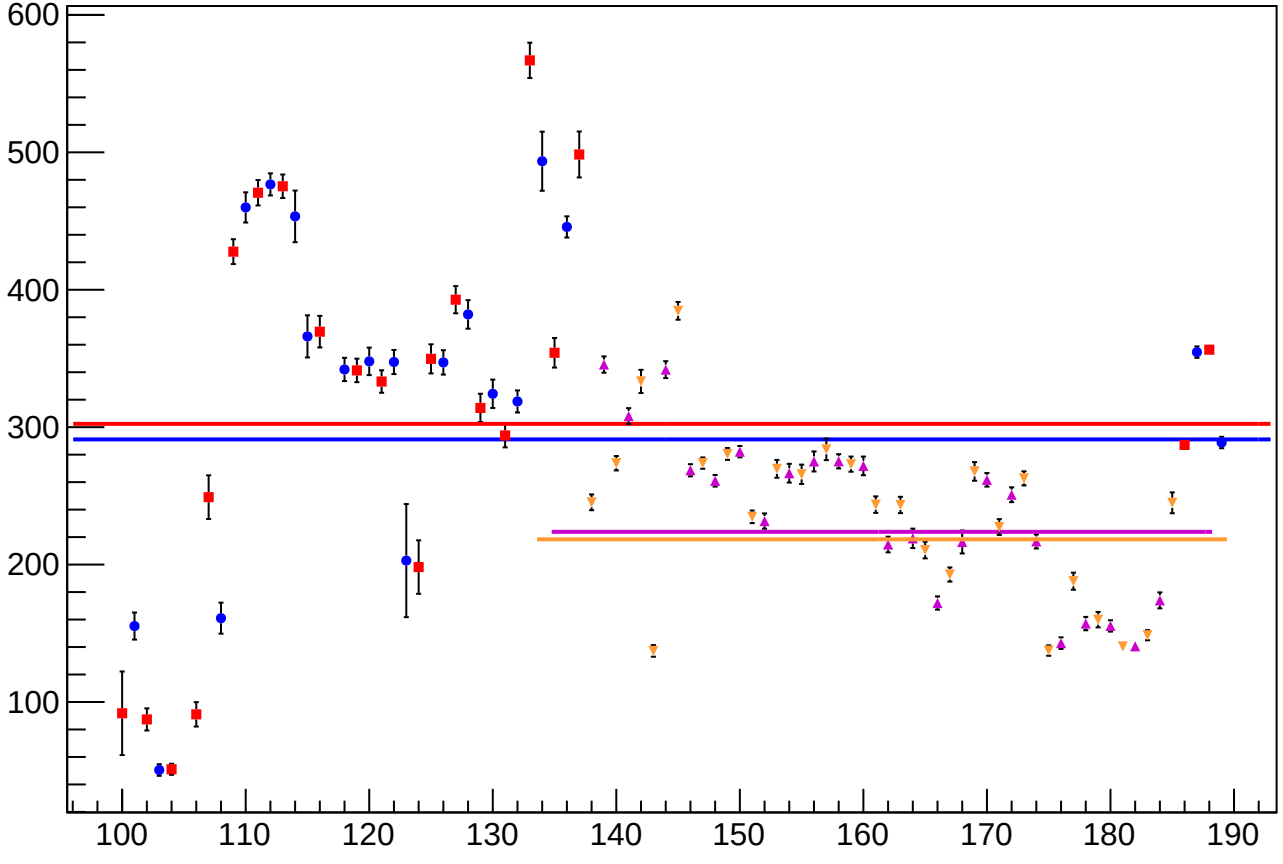
Right: 7.411+/-0.797 $\chi^2$/NDF: 653.1/39

In: 3.663+/-0.674 $\chi^2$/NDF:809.0/41

Out: 4.825+/-0.632 $\chi^2$/NDF:925.3/45

All: 4.282+/-0.461 $\chi^2$/NDF: 1735.9/87

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: 291.094+/-1.758 $\chi^2$/NDF: 5406.0/18

Left Out: 218.389+/-1.038 $\chi^2$/NDF:3696.7/24

Right Out: 302.420+/-1.339 $\chi^2$/NDF: 7623.4/20

Left In: 223.827+/-1.058 $\chi^2$/NDF:3444.7/22

Left: 221.054+/-0.741 $\chi^2$/NDF: 7154.8/47

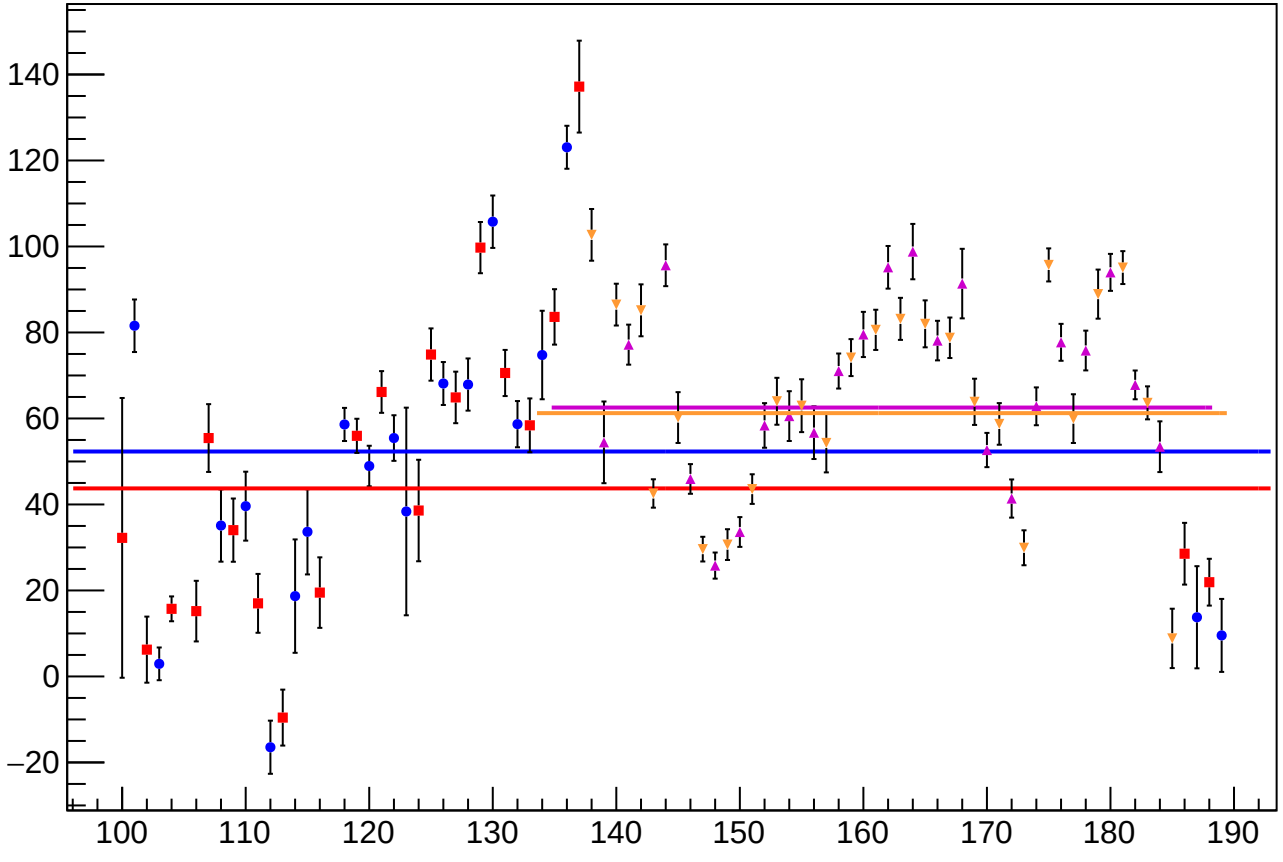
Right: 298.261+/-1.065 $\chi^2$/NDF: 13055.7/39

In: 241.723+/-0.907 $\chi^2$/NDF:9925.2/41

Out: 249.920+/-0.820 $\chi^2$/NDF:13780.5/45

All: 246.231+/-0.608 $\chi^2$/NDF: 23750.7/87

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: 52.315+/-1.391 $\chi^2$/NDF: 671.8/18

Left Out: 61.240+/-0.903 $\chi^2$/NDF:718.8/24

Right Out: 43.732+/-1.297 $\chi^2$/NDF: 553.3/20

Left In: 62.538+/-0.940 $\chi^2$/NDF:520.0/22

Left: 61.862+/-0.651 $\chi^2$/NDF: 1239.8/47

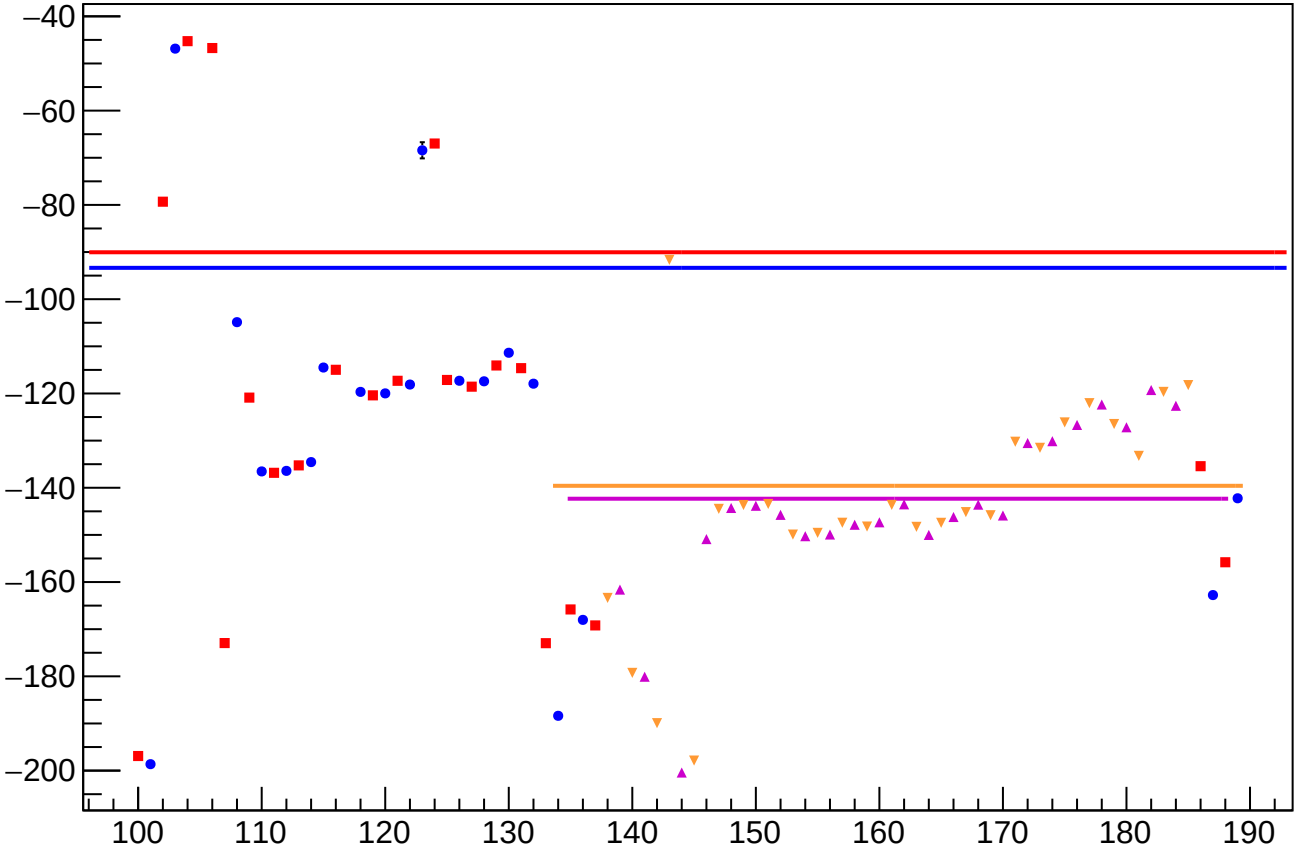
Right: 47.723+/-0.949 $\chi^2$/NDF: 1245.5/39

In: 59.333+/-0.779 $\chi^2$/NDF:1228.9/41

Out: 55.527+/-0.741 $\chi^2$/NDF:1394.9/45

All: 57.334+/-0.537 $\chi^2$/NDF: 2636.3/87

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: -93.350+/-0.066 $\chi^2$/NDF: 563336.7/18

Left Out: -139.585+/-0.043 $\chi^2$/NDF:243895.1/24

Right Out: -90.046+/-0.063 $\chi^2$/NDF: 562618.3/20

Left In: -142.326+/-0.044 $\chi^2$/NDF:144642.3/22

Left: -140.930+/-0.031 $\chi^2$/NDF: 390521.6/47

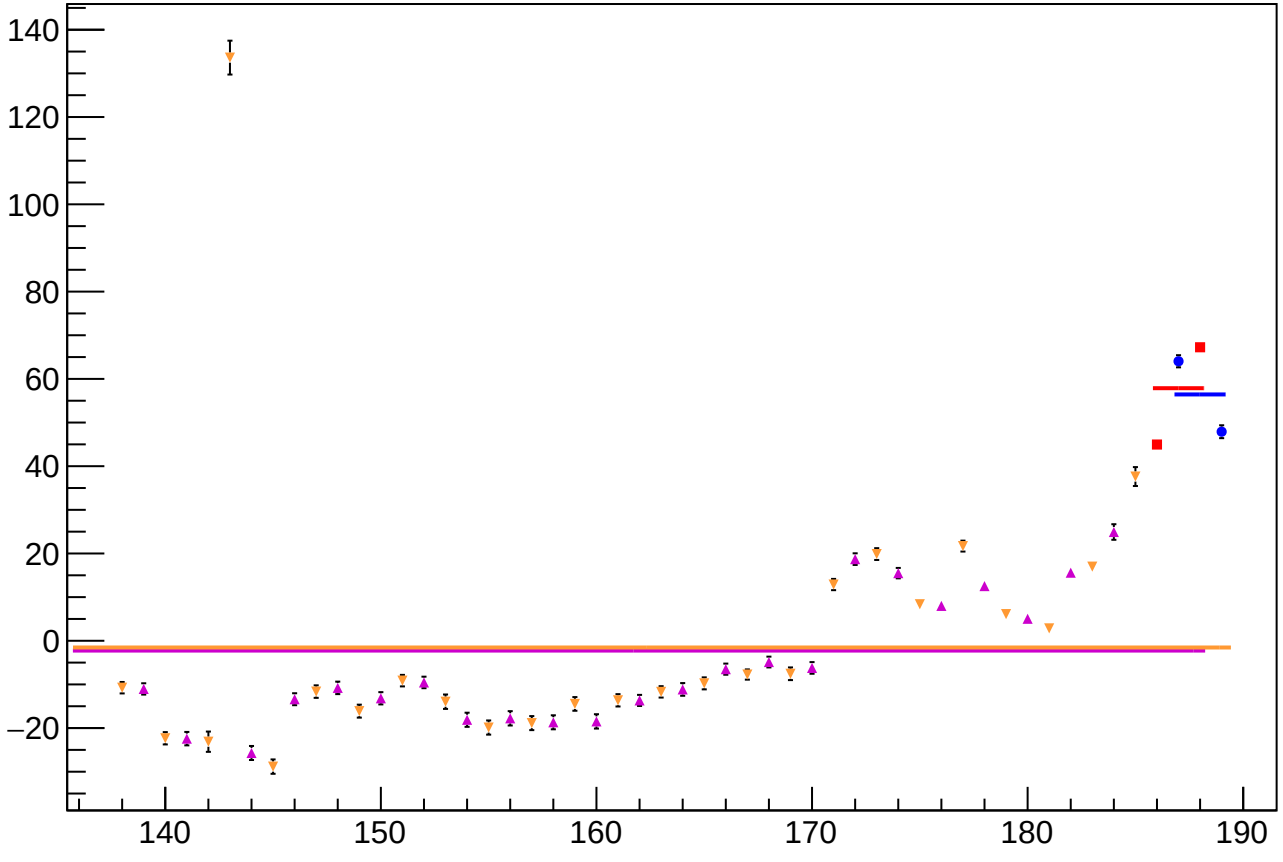
Right: -91.615+/-0.046 $\chi^2$/NDF: 1127264.7/39

In: -127.346+/-0.037 $\chi^2$/NDF:1088543.1/41

Out: -123.755+/-0.036 $\chi^2$/NDF:1228677.0/45

All: -125.499+/-0.025 $\chi^2$/NDF: 2322176.8/87

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 56.439+/-1.013 $\chi^2$/NDF: 63.2/1

Left Out: -1.540+/-0.268 $\chi^2$/NDF:4129.1/24

Right Out: 57.869+/-0.589 $\chi^2$/NDF: 348.4/1

Left In: -2.244+/-0.270 $\chi^2$/NDF:2561.6/22

Left: -1.890+/-0.190 $\chi^2$/NDF: 6694.2/47

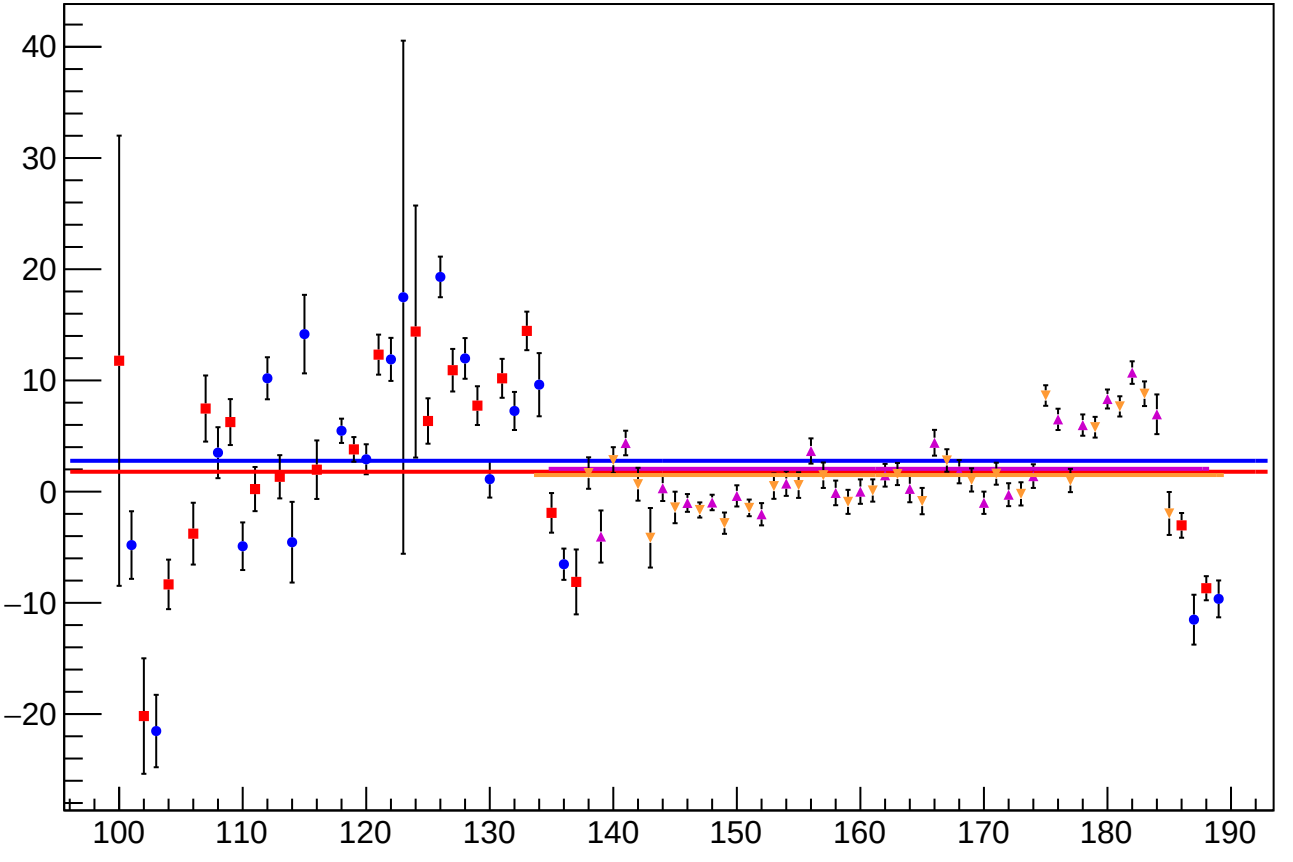
Right: 57.508+/-0.509 $\chi^2$/NDF: 413.1/3

In: 1.635+/-0.260 $\chi^2$/NDF:5758.0/24

Out: 8.621+/-0.244 $\chi^2$/NDF:12899.9/26

All: 5.359+/-0.178 $\chi^2$/NDF: 19041.3/51

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 2.773+/-0.438 $\chi^2$/NDF: 394.9/18

Left Out: 1.492+/-0.210 $\chi^2$/NDF:258.3/24

Right Out: 1.788+/-0.405 $\chi^2$/NDF: 334.5/20

Left In: 2.051+/-0.215 $\chi^2$/NDF:275.4/22

Left: 1.766+/-0.150 $\chi^2$/NDF: 537.2/47

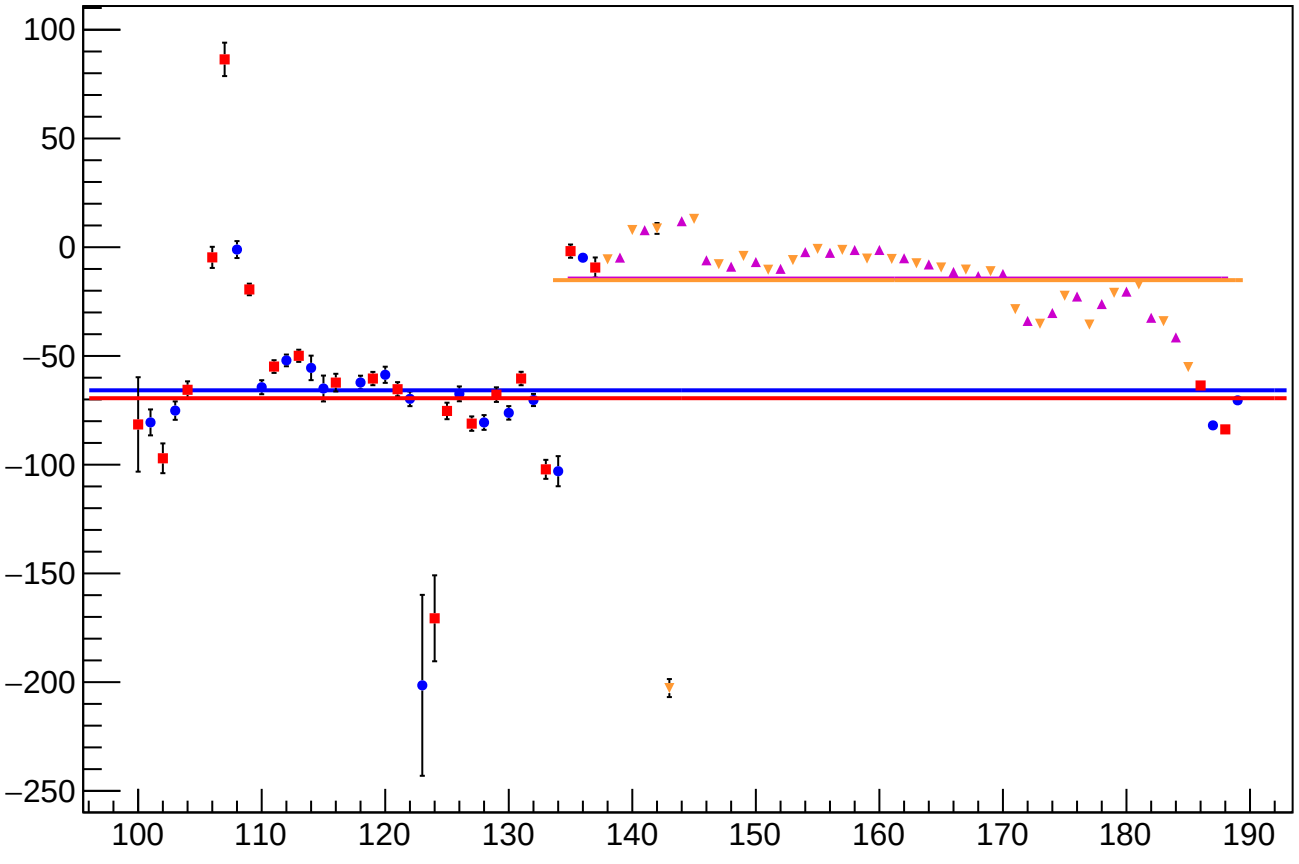
Right: 2.241+/-0.297 $\chi^2$/NDF: 732.2/39

In: 2.191+/-0.193 $\chi^2$/NDF:672.5/41

Out: 1.555+/-0.187 $\chi^2$/NDF:593.3/45

All: 1.863+/-0.134 $\chi^2$/NDF: 1271.4/87

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -65.796+/-0.602 $\chi^2$/NDF: 1400.8/18

Left Out: -15.140+/-0.267 $\chi^2$/NDF:4451.9/24

Right Out: -69.435+/-0.414 $\chi^2$/NDF: 2409.7/20

Left In: -14.415+/-0.268 $\chi^2$/NDF:2065.7/22

Left: -14.779+/-0.189 $\chi^2$/NDF: 6521.3/47

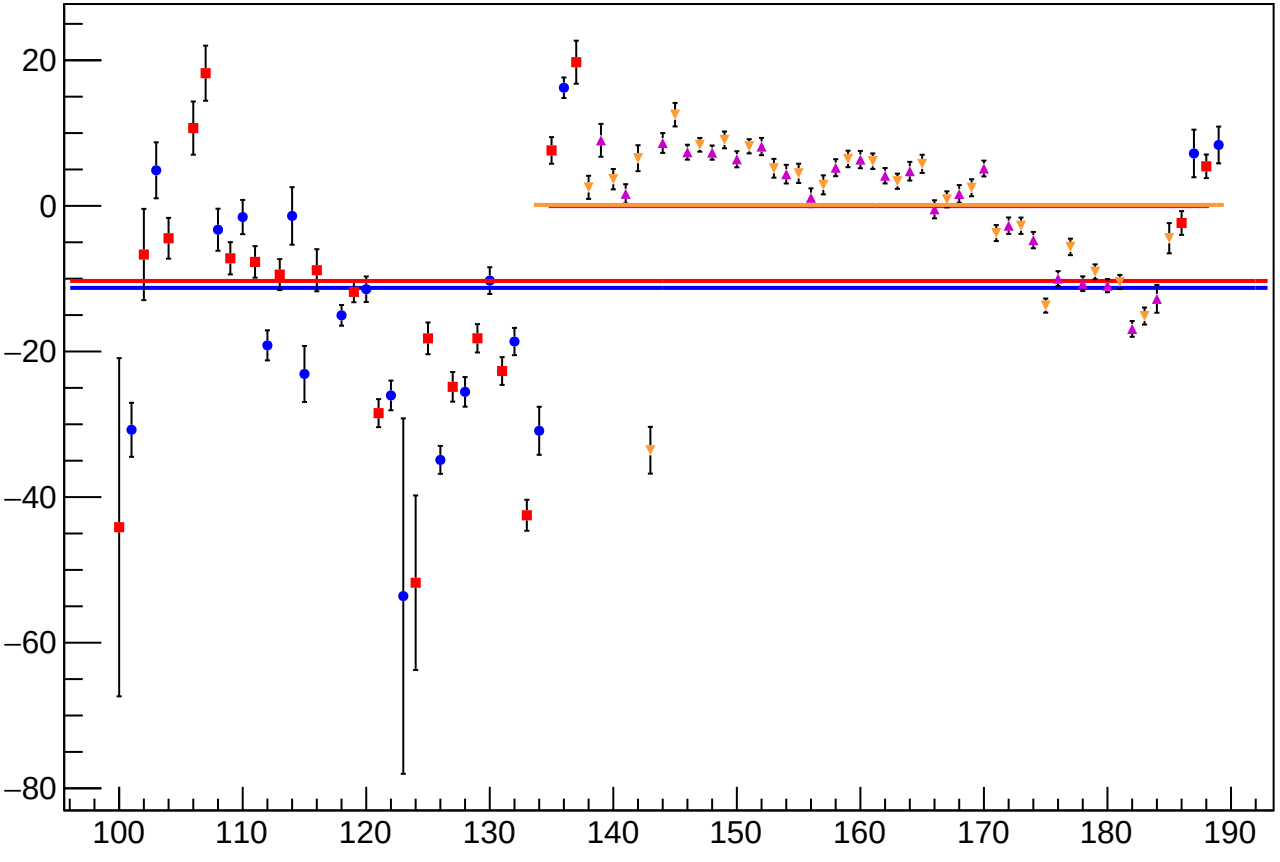
Right: -68.266+/-0.341 $\chi^2$/NDF: 3835.3/39

In: -22.920+/-0.245 $\chi^2$/NDF:9547.8/41

Out: -31.074+/-0.224 $\chi^2$/NDF:19010.5/45

All: -27.354+/-0.165 $\chi^2$/NDF: 29161.2/87

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -11.264+/-0.512 $\chi^2$/NDF: 887.1/18

Left Out: 0.133+/-0.238 $\chi^2$/NDF:1146.9/24

Right Out: -10.311+/-0.487 $\chi^2$/NDF: 871.8/20

Left In: -0.036+/-0.242 $\chi^2$/NDF:1027.6/22

Left: 0.049+/-0.170 $\chi^2$/NDF: 2174.8/47

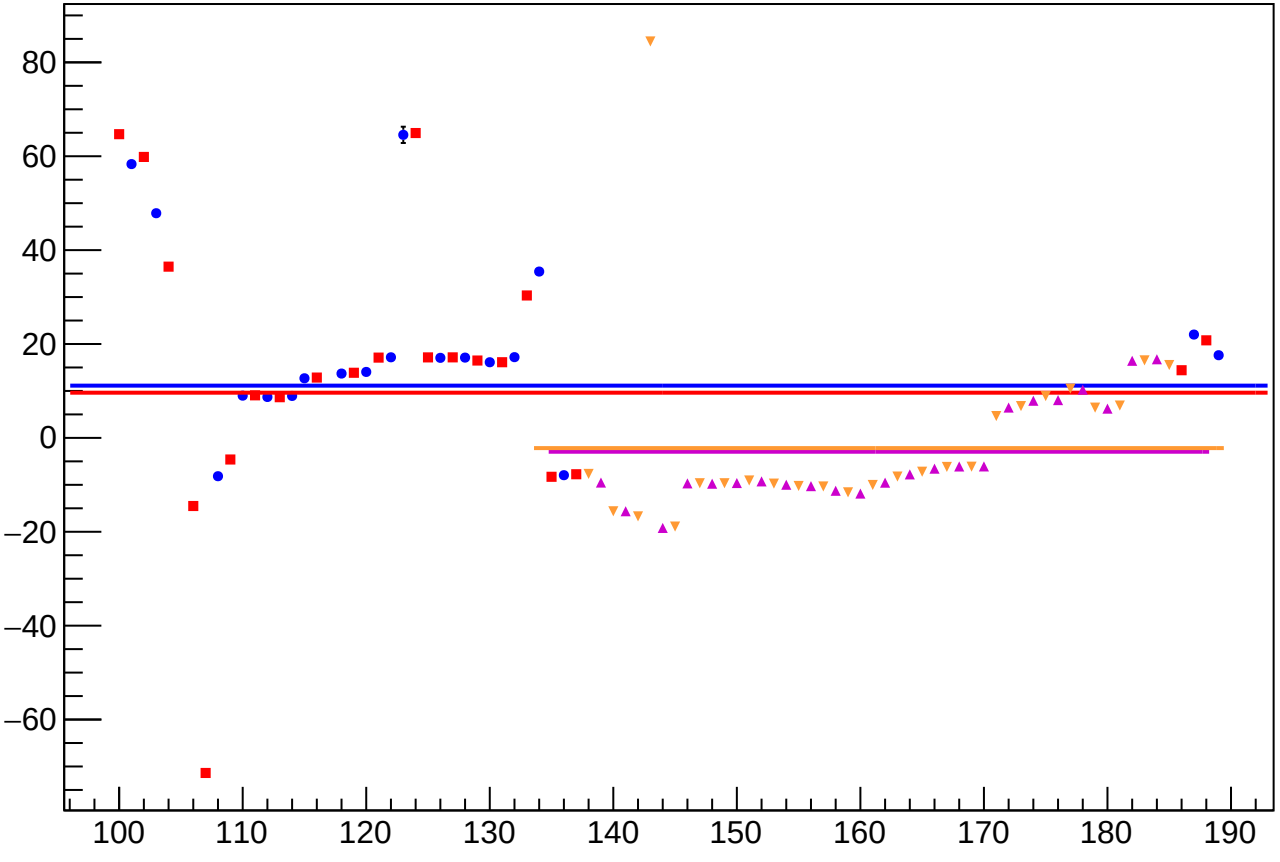
Right: -10.764+/-0.353 $\chi^2$/NDF: 1760.7/39

In: -2.089+/-0.219 $\chi^2$/NDF:2307.1/41

Out: -1.882+/-0.214 $\chi^2$/NDF:2389.1/45

All: -1.983+/-0.153 $\chi^2$/NDF: 4696.6/87

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 11.131+/-0.029 $\chi^2$/NDF: 388355.3/18

Left Out: -2.176+/-0.011 $\chi^2$/NDF:1047394.9/24

Right Out: 9.628+/-0.028 $\chi^2$/NDF: 568404.0/20

Left In: -2.949+/-0.011 $\chi^2$/NDF:770702.4/22

Left: -2.562+/-0.008 $\chi^2$/NDF: 1820593.2/47

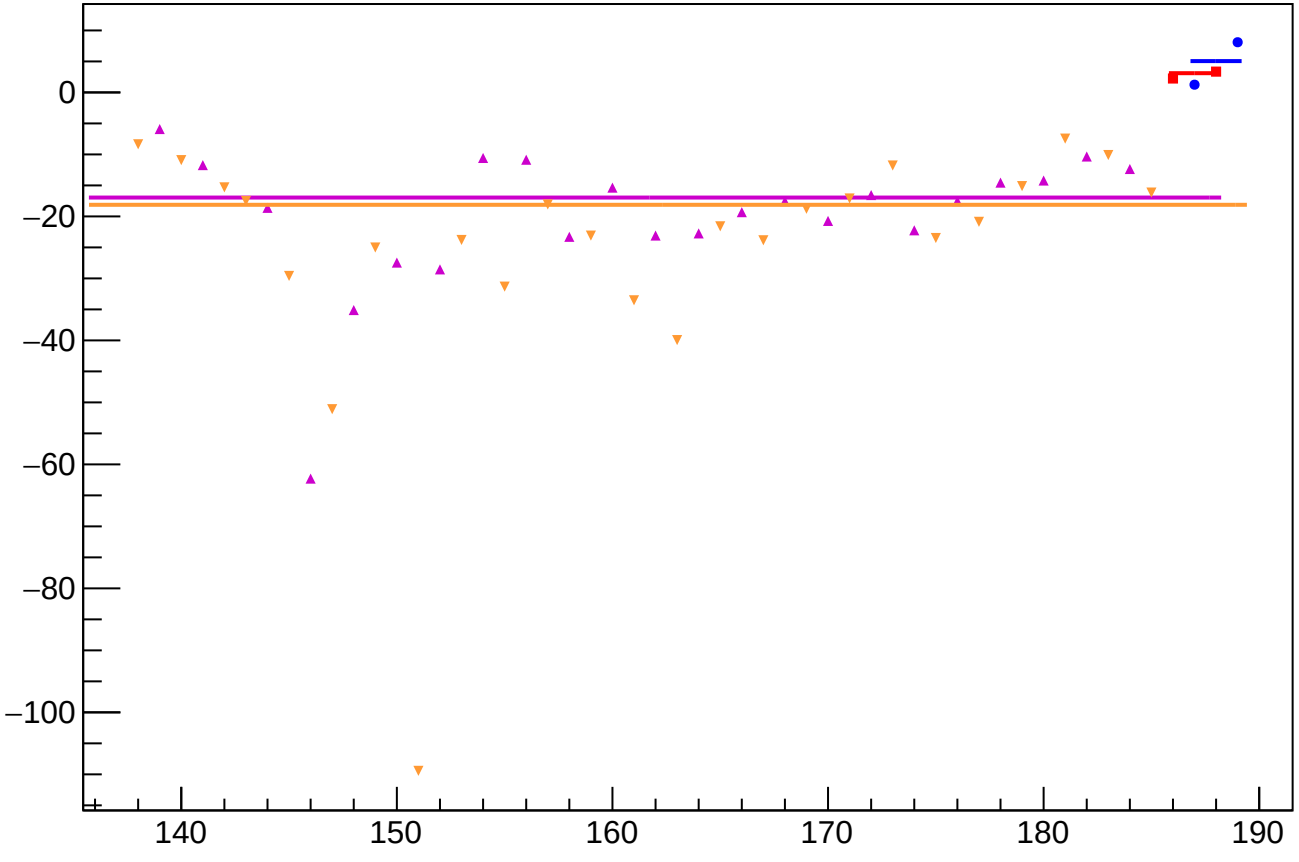
Right: 10.361+/-0.020 $\chi^2$/NDF: 958125.1/39

In: -1.204+/-0.010 $\chi^2$/NDF:1363899.8/41

Out: -0.654+/-0.010 $\chi^2$/NDF:1766326.6/45

All: -0.928+/-0.007 $\chi^2$/NDF: 3131673.9/87

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 5.054+/-0.188 $\chi^2$/NDF: 328.6/1

Left Out: -18.127+/-0.039 $\chi^2$/NDF:88514.4/24

Right Out: 3.104+/-0.097 $\chi^2$/NDF: 23.0/1

Left In: -16.958+/-0.038 $\chi^2$/NDF:44759.9/22

Left: -17.528+/-0.027 $\chi^2$/NDF: 133736.2/47

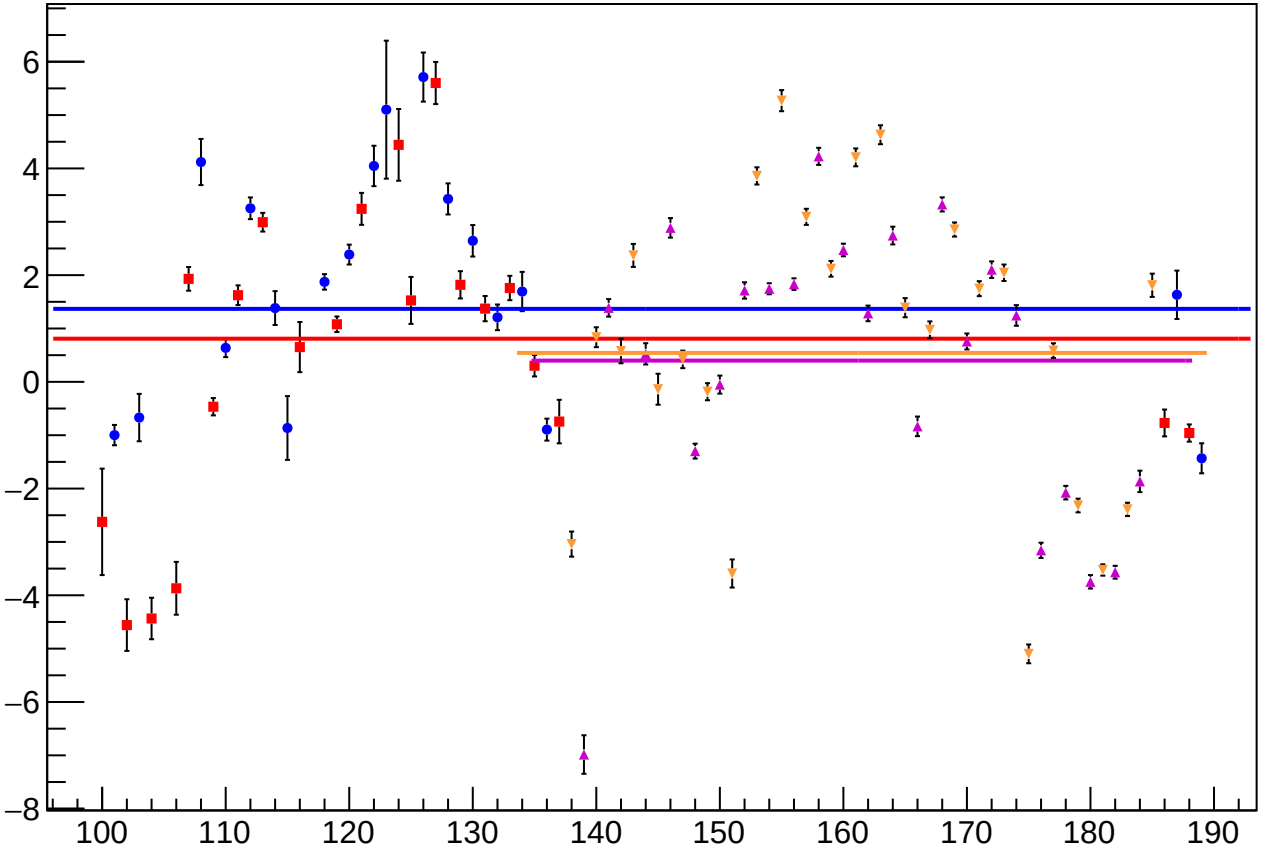
Right: 3.515+/-0.086 $\chi^2$/NDF: 436.7/3

In: -16.091+/-0.037 $\chi^2$/NDF:58295.2/24

Out: -15.180+/-0.036 $\chi^2$/NDF:129761.5/26

All: -15.622+/-0.026 $\chi^2$/NDF: 188364.7/51

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 1.368+/-0.059 $\chi^2$/NDF: 812.5/18

Left Out: 0.543+/-0.032 $\chi^2$/NDF:7067.6/24

Right Out: 0.809+/-0.054 $\chi^2$/NDF: 1134.6/20

Left In: 0.398+/-0.031 $\chi^2$/NDF:6286.3/22

Left: 0.467+/-0.022 $\chi^2$/NDF: 13364.5/47

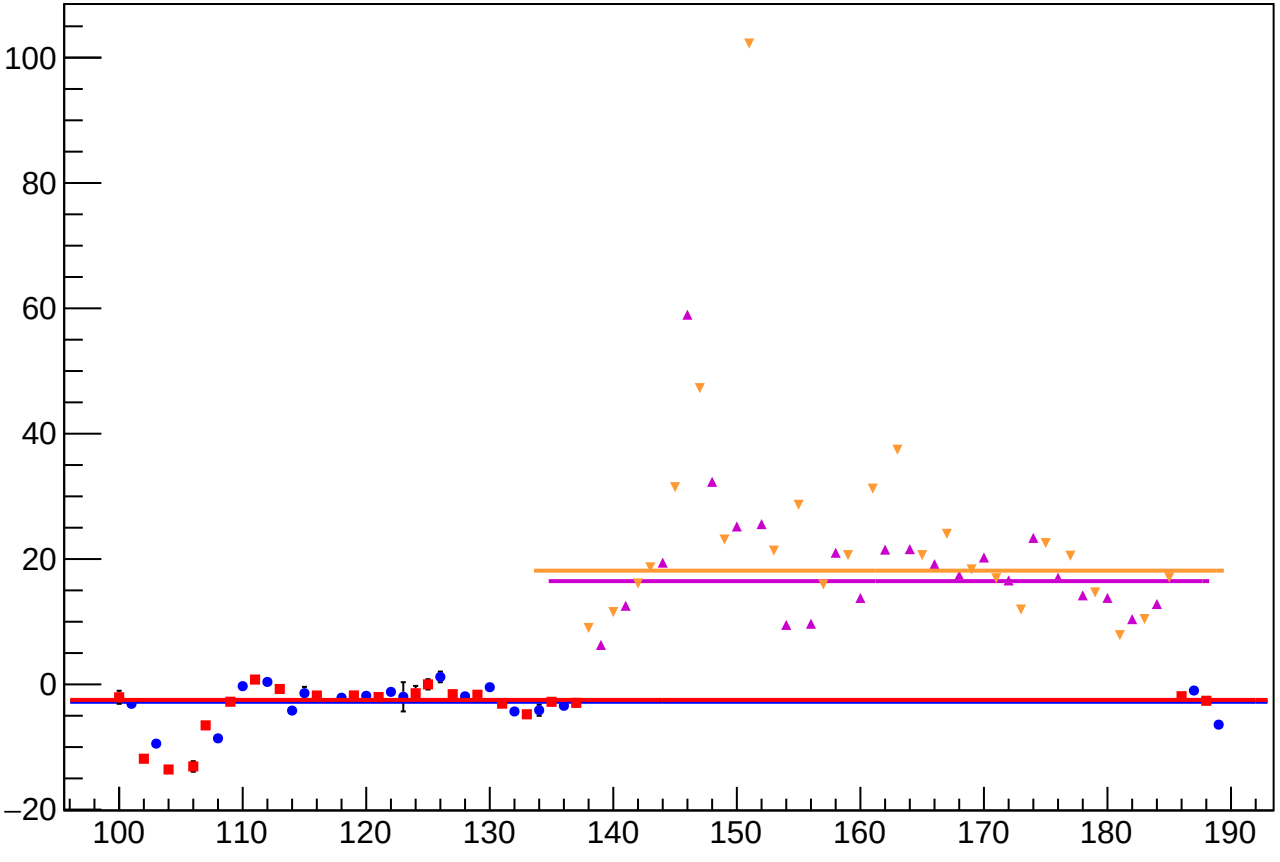
Right: 1.060+/-0.040 $\chi^2$/NDF: 1996.1/39

In: 0.603+/-0.027 $\chi^2$/NDF:7310.6/41

Out: 0.614+/-0.028 $\chi^2$/NDF:8220.3/45

All: 0.609+/-0.019 $\chi^2$/NDF: 15530.9/87

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -2.772+/-0.090 $\chi^2$/NDF: 840.6/18

Left Out: 18.147+/-0.039 $\chi^2$/NDF:77805.7/24

Right Out: -2.474+/-0.061 $\chi^2$/NDF: 918.9/20

Left In: 16.477+/-0.038 $\chi^2$/NDF:41326.5/22

Left: 17.279+/-0.027 $\chi^2$/NDF: 120078.9/47

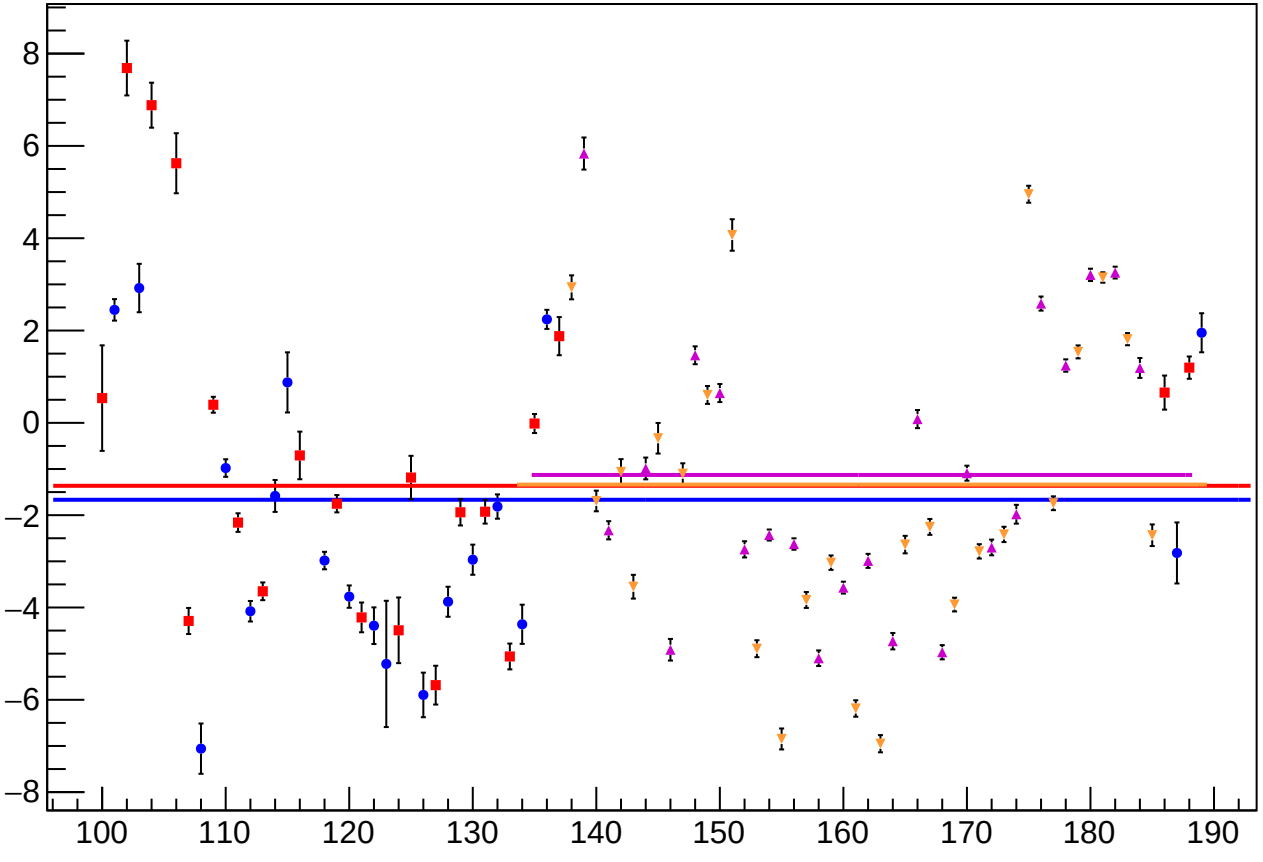
Right: -2.568+/-0.051 $\chi^2$/NDF: 1767.0/39

In: 13.633+/-0.035 $\chi^2$/NDF:80837.1/41

Out: 12.175+/-0.033 $\chi^2$/NDF:159131.3/45

All: 12.866+/-0.024 $\chi^2$/NDF: 240894.9/87

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -1.666+/-0.069 $\chi^2$/NDF: 1422.8/18

Left Out: -1.338+/-0.036 $\chi^2$/NDF:7920.8/24

Right Out: -1.364+/-0.063 $\chi^2$/NDF: 1644.7/20

Left In: -1.129+/-0.034 $\chi^2$/NDF:6778.7/22

Left: -1.228+/-0.025 $\chi^2$/NDF: 14717.3/47

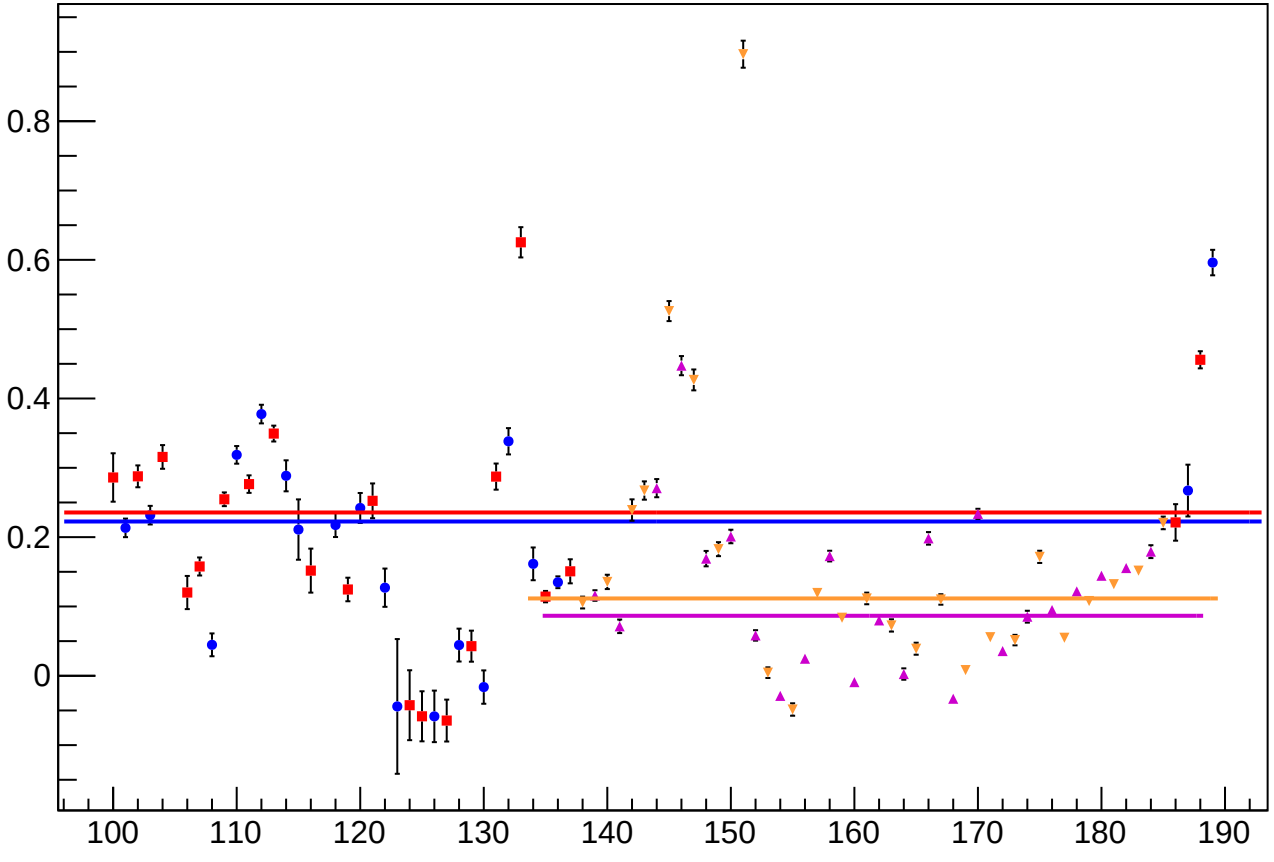
Right: -1.500+/-0.046 $\chi^2$/NDF: 3078.1/39

In: -1.234+/-0.031 $\chi^2$/NDF:8250.3/41

Out: -1.344+/-0.031 $\chi^2$/NDF:9565.6/45

All: -1.288+/-0.022 $\chi^2$/NDF: 17822.3/87

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.223+/-0.004 $\chi^2$/NDF: 1113.6/18

Left Out: 0.112+/-0.002 $\chi^2$/NDF:4459.9/24

Right Out: 0.236+/-0.004 $\chi^2$/NDF: 1412.6/20

Left In: 0.087+/-0.001 $\chi^2$/NDF:3661.4/22

Left: 0.098+/-0.001 $\chi^2$/NDF: 8251.0/47

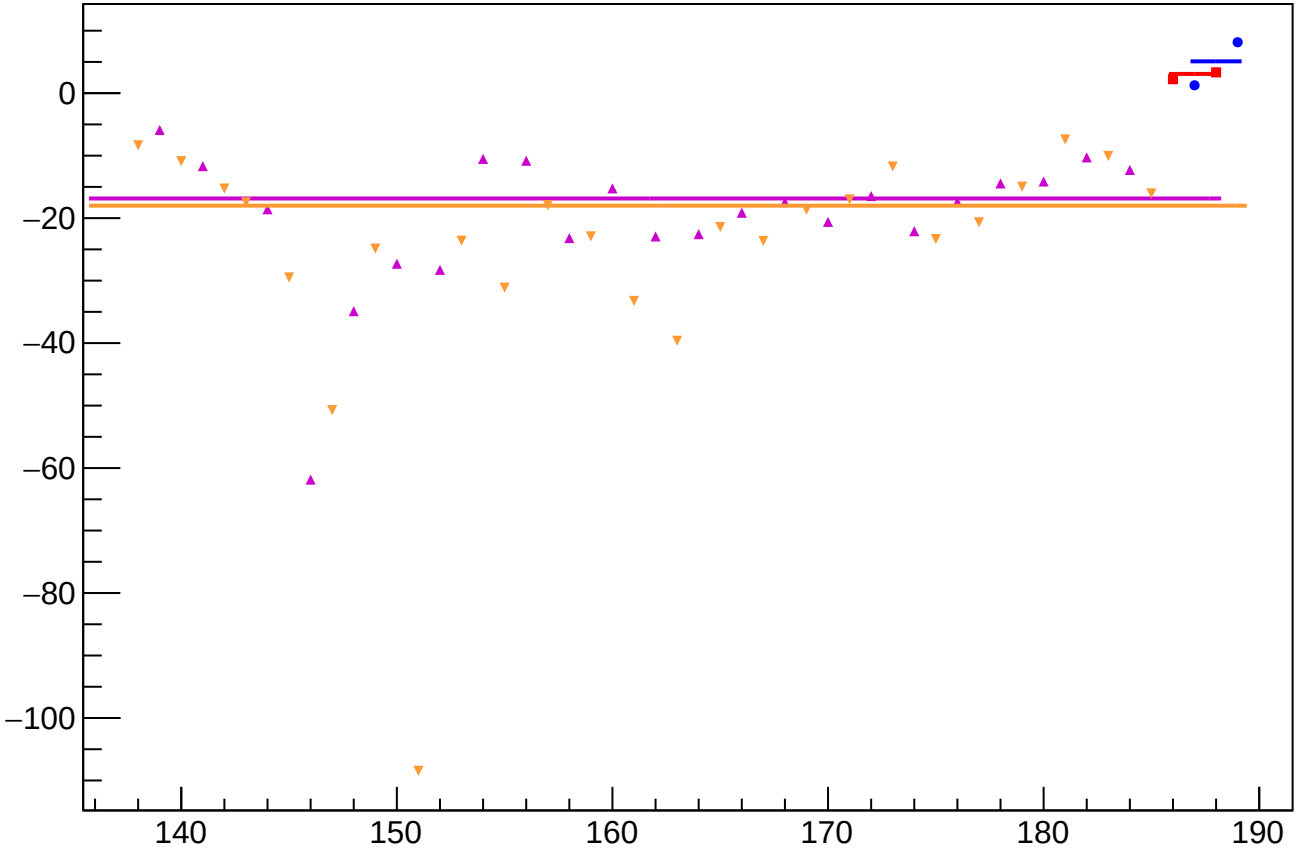
Right: 0.230+/-0.003 $\chi^2$/NDF: 2532.1/39

In: 0.103+/-0.001 $\chi^2$/NDF:5785.3/41

Out: 0.133+/-0.001 $\chi^2$/NDF:6906.5/45

All: 0.118+/-0.001 $\chi^2$/NDF: 12909.3/87

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 5.095+/-0.187 $\chi^2$/NDF: 335.3/1

Left Out: -18.004+/-0.039 $\chi^2$/NDF:88352.2/24

Right Out: 3.082+/-0.096 $\chi^2$/NDF: 22.7/1

Left In: -16.854+/-0.038 $\chi^2$/NDF:44680.7/22

Left: -17.415+/-0.027 $\chi^2$/NDF: 133485.7/47

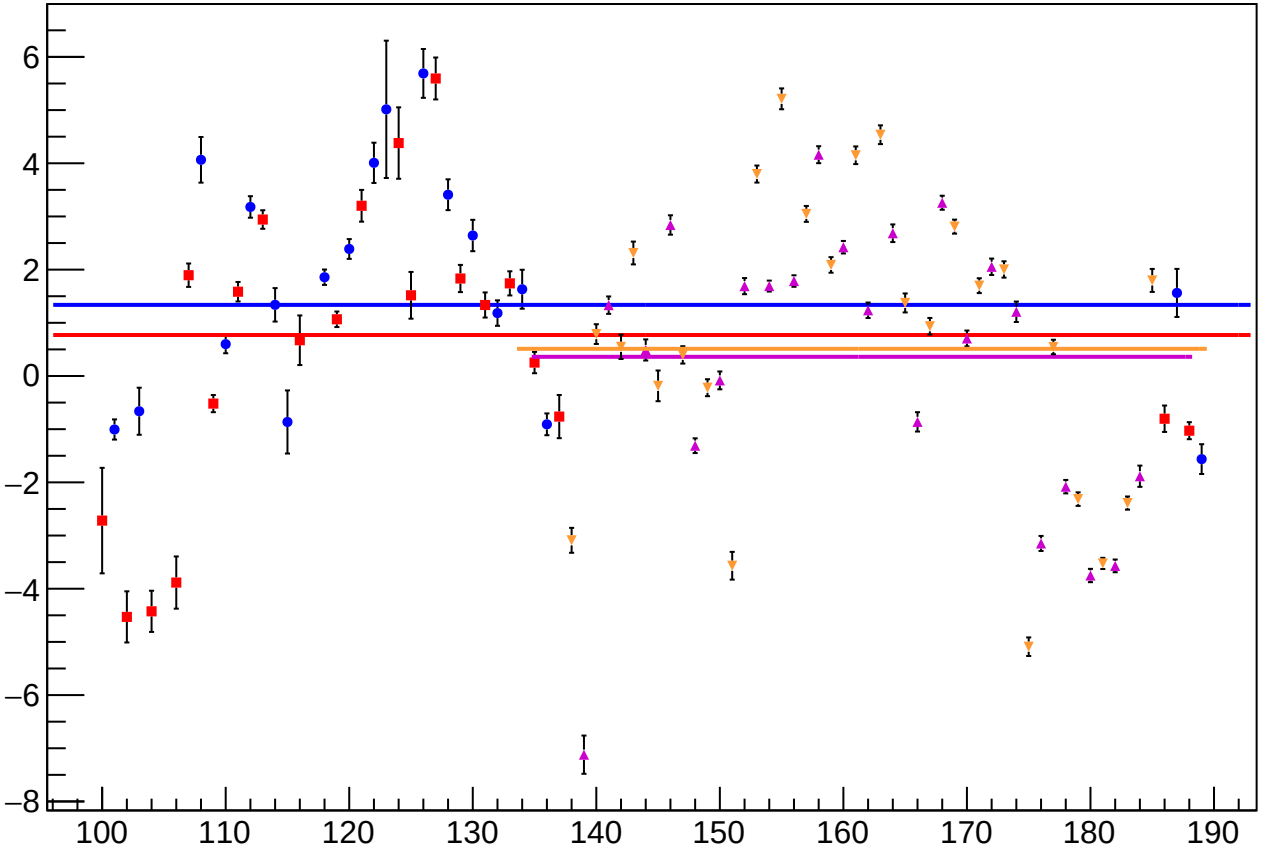
Right: 3.501+/-0.085 $\chi^2$/NDF: 449.8/3

In: -15.994+/-0.037 $\chi^2$/NDF:58256.6/24

Out: -15.052+/-0.036 $\chi^2$/NDF:129967.3/26

All: -15.509+/-0.026 $\chi^2$/NDF: 188557.8/51

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 1.337+/-0.059 $\chi^2$/NDF: 820.0/18

Left Out: 0.511+/-0.032 $\chi^2$/NDF:7053.0/24

Right Out: 0.771+/-0.053 $\chi^2$/NDF: 1149.3/20

Left In: 0.361+/-0.030 $\chi^2$/NDF:6273.5/22

Left: 0.432+/-0.022 $\chi^2$/NDF: 13338.0/47

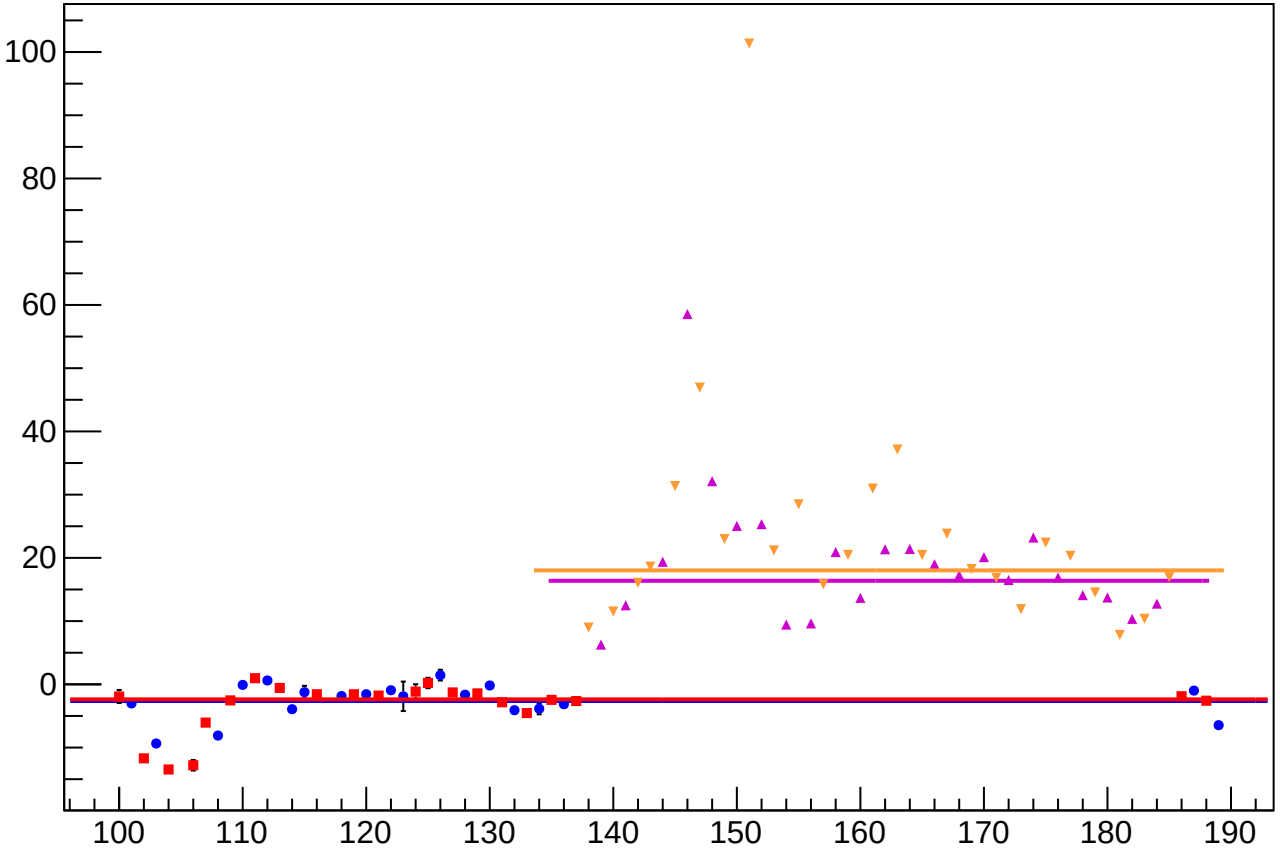
Right: 1.025+/-0.039 $\chi^2$/NDF: 2020.2/39

In: 0.567+/-0.027 $\chi^2$/NDF:7310.3/41

Out: 0.581+/-0.028 $\chi^2$/NDF:8219.7/45

All: 0.574+/-0.019 $\chi^2$/NDF: 15530.1/87

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -2.632+/-0.090 $\chi^2$/NDF: 875.1/18

Left Out: 18.023+/-0.039 $\chi^2$/NDF:77674.0/24

Right Out: -2.376+/-0.061 $\chi^2$/NDF: 922.7/20

Left In: 16.377+/-0.037 $\chi^2$/NDF:41253.5/22

Left: 17.168+/-0.027 $\chi^2$/NDF: 119859.6/47

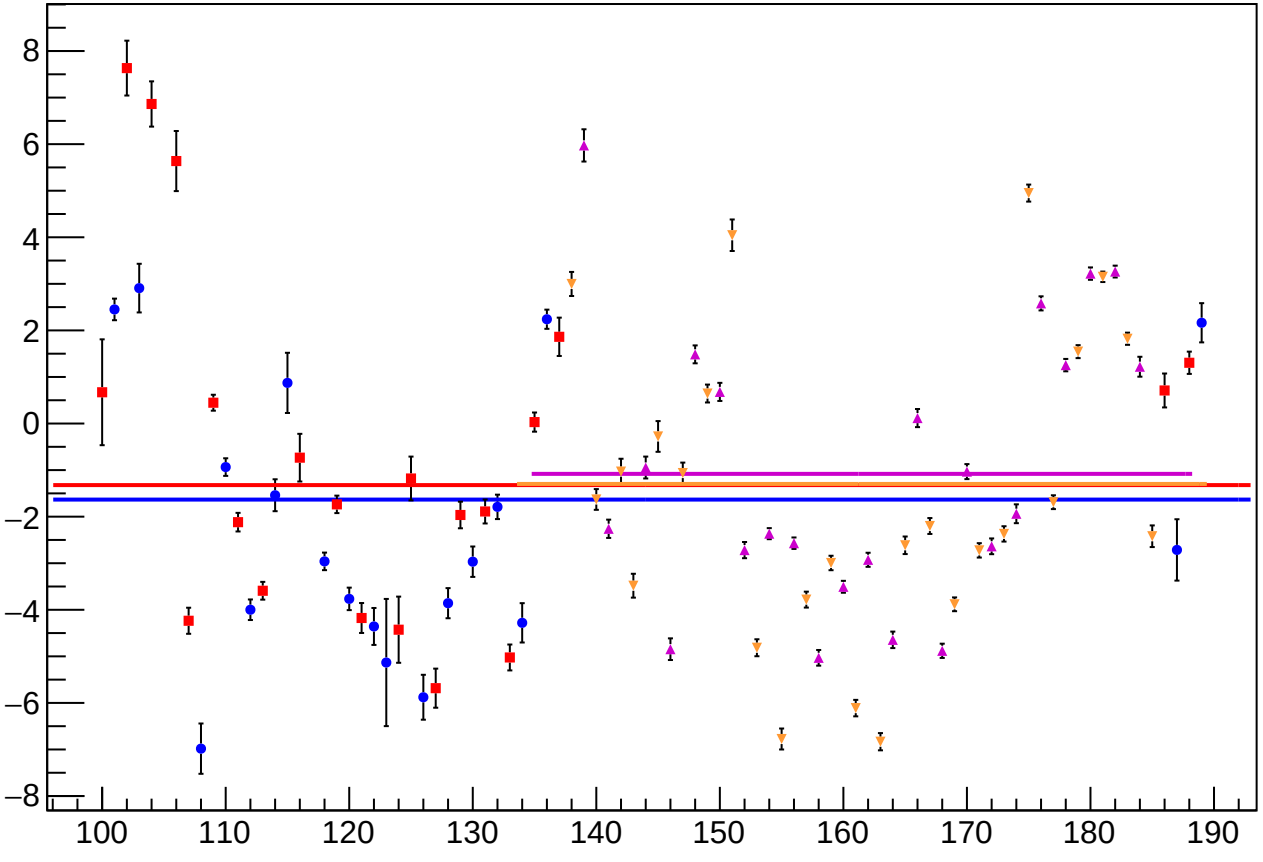
Right: -2.456+/-0.050 $\chi^2$/NDF: 1803.3/39

In: 13.578+/-0.035 $\chi^2$/NDF:80214.9/41

Out: 12.096+/-0.033 $\chi^2$/NDF:158673.1/45

All: 12.798+/-0.024 $\chi^2$/NDF: 239859.2/87

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -1.633+/-0.069 $\chi^2$/NDF: 1427.2/18

Left Out: -1.297+/-0.036 $\chi^2$/NDF:7903.2/24

Right Out: -1.322+/-0.062 $\chi^2$/NDF: 1660.7/20

Left In: -1.081+/-0.034 $\chi^2$/NDF:6764.0/22

Left: -1.183+/-0.025 $\chi^2$/NDF: 14686.6/47

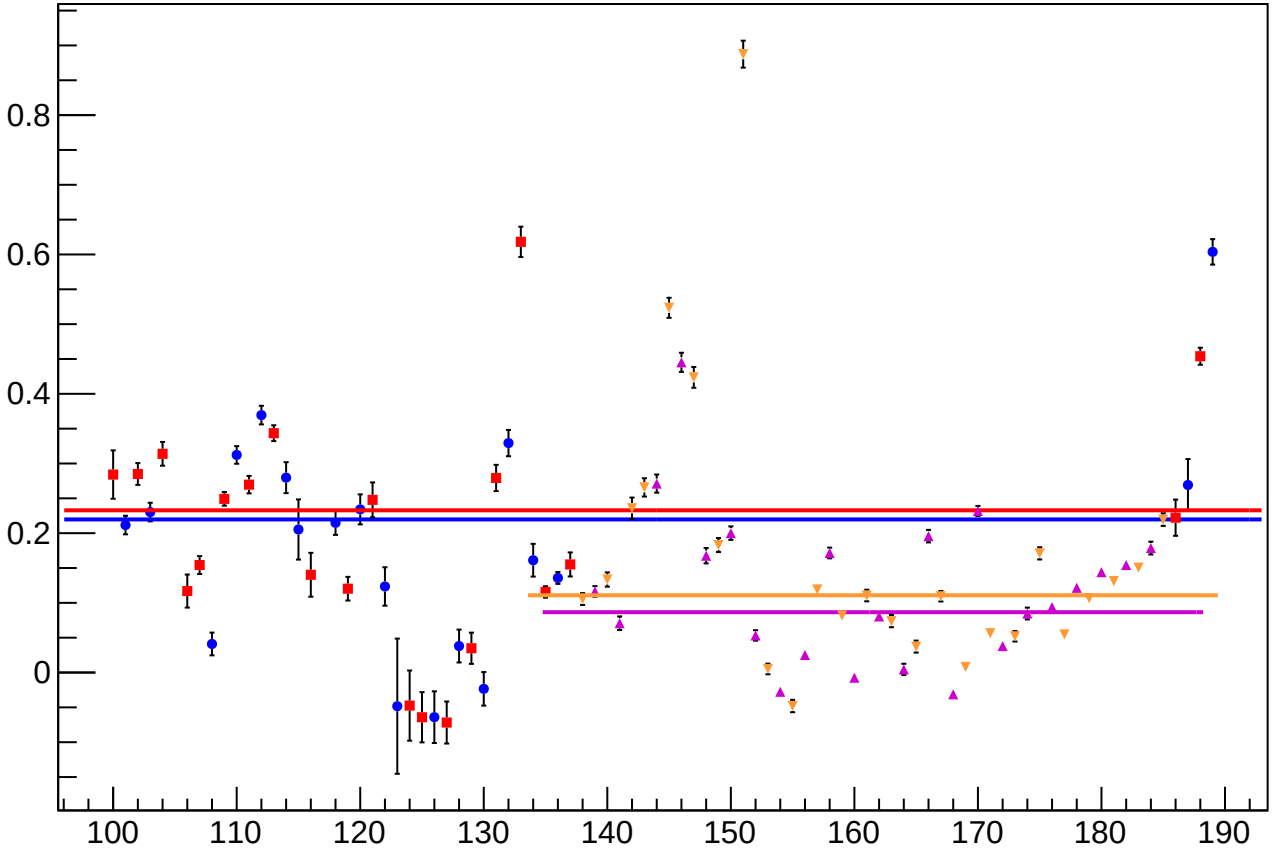
Right: -1.462+/-0.046 $\chi^2$/NDF: 3099.3/39

In: -1.189+/-0.030 $\chi^2$/NDF:8243.4/41

Out: -1.303+/-0.031 $\chi^2$/NDF:9564.0/45

All: -1.245+/-0.022 $\chi^2$/NDF: 17814.4/87

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.220+/-0.004 $\chi^2$/NDF: 1128.0/18

Left Out: 0.111+/-0.002 $\chi^2$/NDF:4452.0/24

Right Out: 0.233+/-0.003 $\chi^2$/NDF: 1406.3/20

Left In: 0.087+/-0.001 $\chi^2$/NDF:3631.4/22

Left: 0.098+/-0.001 $\chi^2$/NDF: 8208.0/47

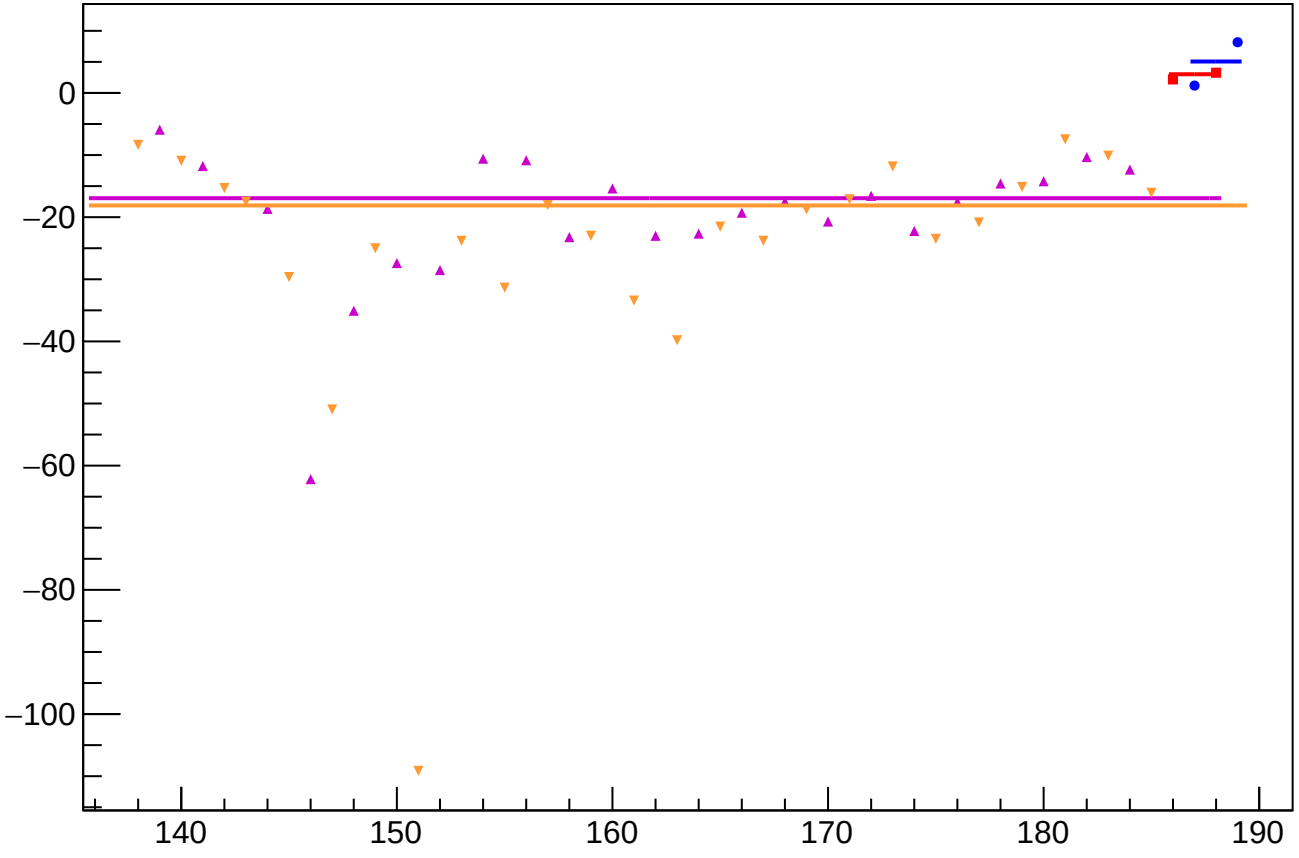
Right: 0.227+/-0.003 $\chi^2$/NDF: 2540.4/39

In: 0.103+/-0.001 $\chi^2$/NDF:5737.8/41

Out: 0.132+/-0.001 $\chi^2$/NDF:6869.2/45

All: 0.117+/-0.001 $\chi^2$/NDF: 12817.3/87

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 5.062+/-0.188 $\chi^2$/NDF: 341.2/1

Left Out: -18.112+/-0.039 $\chi^2$/NDF:88488.2/24

Right Out: 3.013+/-0.096 $\chi^2$/NDF: 22.2/1

Left In: -16.945+/-0.038 $\chi^2$/NDF:44756.2/22

Left: -17.514+/-0.027 $\chi^2$/NDF: 133707.4/47

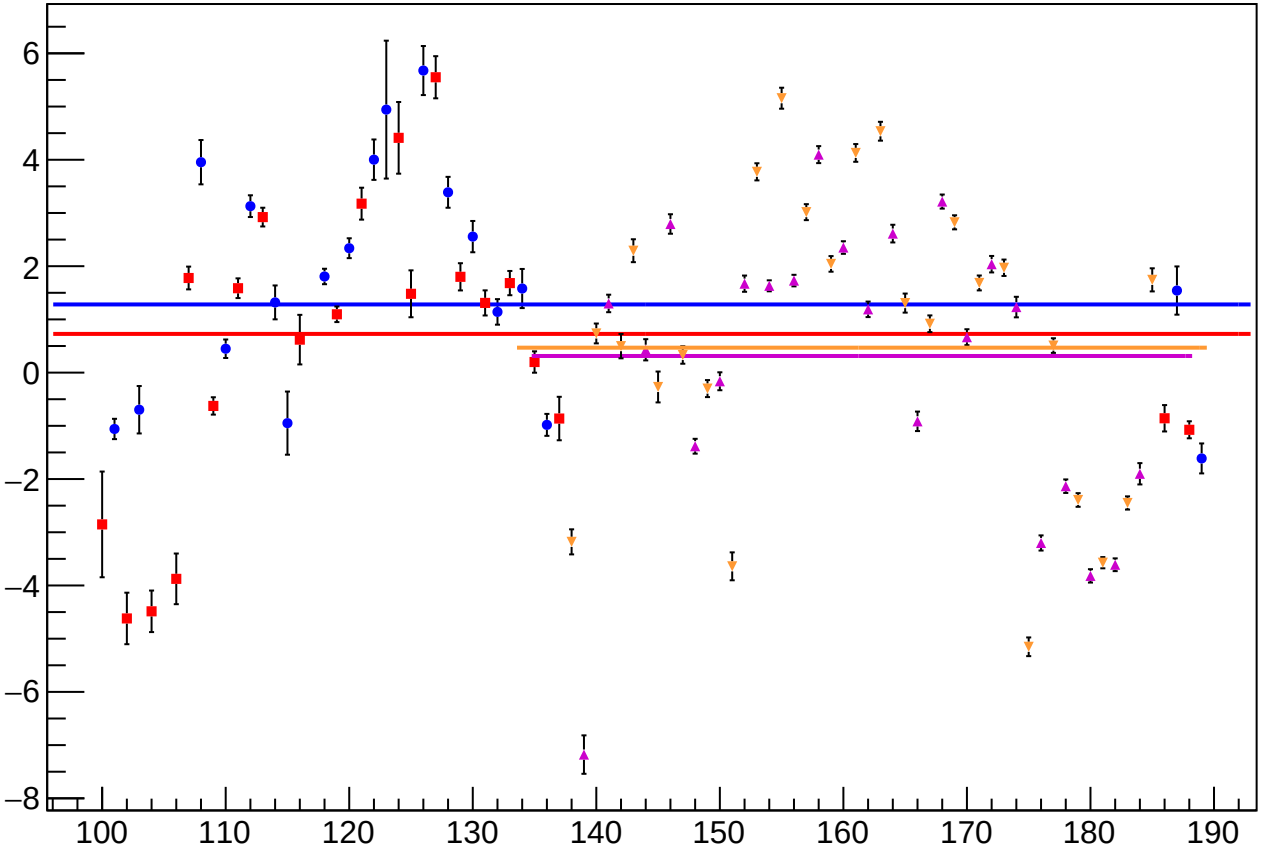
Right: 3.436+/-0.085 $\chi^2$/NDF: 458.0/3

In: -16.083+/-0.037 $\chi^2$/NDF:58303.9/24

Out: -15.124+/-0.036 $\chi^2$/NDF:130335.3/26

All: -15.588+/-0.026 $\chi^2$/NDF: 188982.6/51

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 1.281+/-0.059 $\chi^2$/NDF: 824.5/18

Left Out: 0.469+/-0.032 $\chi^2$/NDF:7076.8/24

Right Out: 0.727+/-0.053 $\chi^2$/NDF: 1162.3/20

Left In: 0.313+/-0.031 $\chi^2$/NDF:6235.0/22

Left: 0.386+/-0.022 $\chi^2$/NDF: 13324.1/47

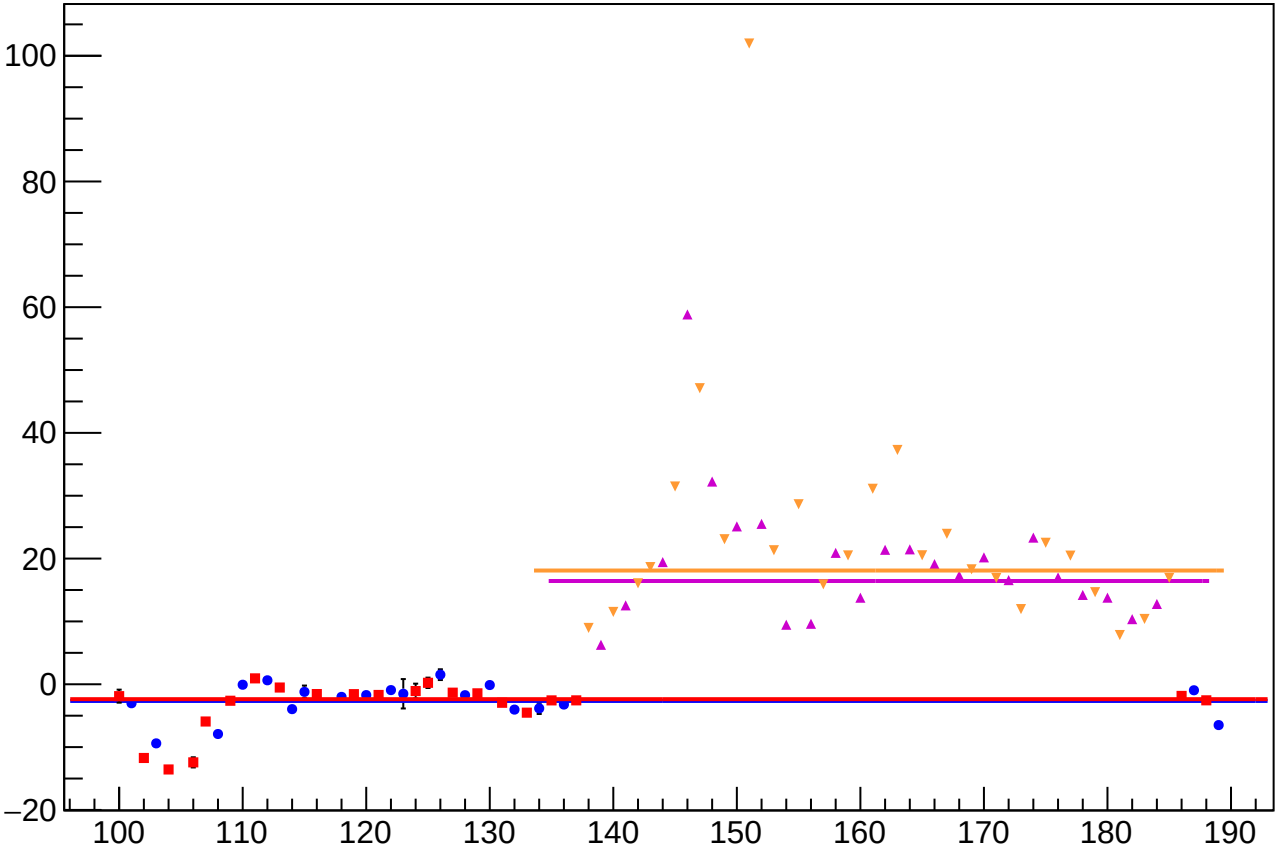
Right: 0.976+/-0.040 $\chi^2$/NDF: 2035.1/39

In: 0.516+/-0.027 $\chi^2$/NDF:7271.0/41

Out: 0.538+/-0.028 $\chi^2$/NDF:8256.3/45

All: 0.527+/-0.019 $\chi^2$/NDF: 15527.7/87

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -2.652+/-0.090 $\chi^2$/NDF: 875.8/18

Left Out: 18.098+/-0.039 $\chi^2$/NDF:77793.7/24

Right Out: -2.372+/-0.061 $\chi^2$/NDF: 916.0/20

Left In: 16.431+/-0.038 $\chi^2$/NDF:41337.1/22

Left: 17.232+/-0.027 $\chi^2$/NDF: 120078.5/47

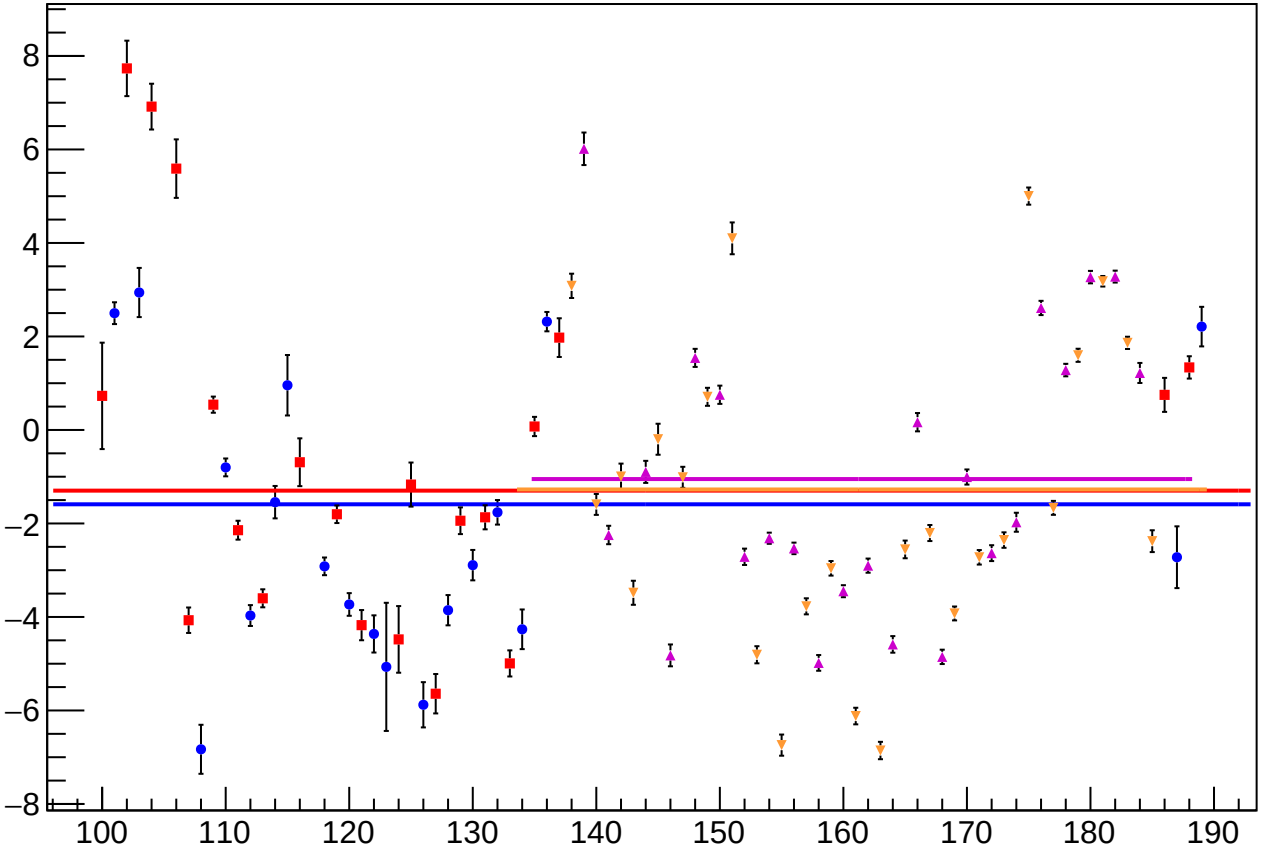
Right: -2.459+/-0.050 $\chi^2$/NDF: 1798.4/39

In: 13.626+/-0.035 $\chi^2$/NDF:80237.2/41

Out: 12.120+/-0.033 $\chi^2$/NDF:159050.6/45

All: 12.833+/-0.024 $\chi^2$/NDF: 240283.0/87

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -1.590+/-0.069 $\chi^2$/NDF: 1433.2/18

Left Out: -1.273+/-0.036 $\chi^2$/NDF:7931.0/24

Right Out: -1.298+/-0.062 $\chi^2$/NDF: 1674.5/20

Left In: -1.050+/-0.034 $\chi^2$/NDF:6713.0/22

Left: -1.156+/-0.025 $\chi^2$/NDF: 14664.3/47

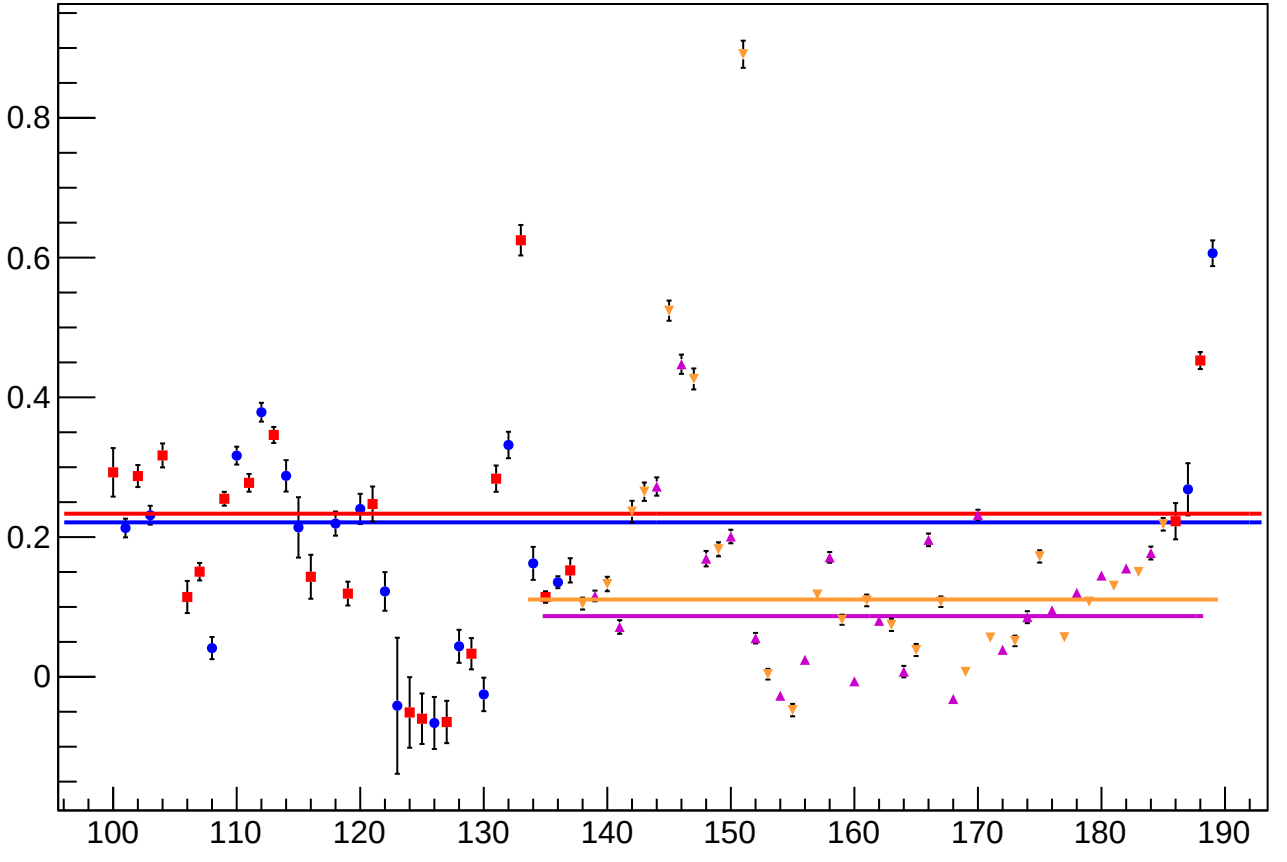
Right: -1.429+/-0.046 $\chi^2$/NDF: 3117.6/39

In: -1.156+/-0.030 $\chi^2$/NDF:8195.4/41

Out: -1.279+/-0.031 $\chi^2$/NDF:9605.6/45

All: -1.216+/-0.022 $\chi^2$/NDF: 17809.1/87

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.221+/-0.004 $\chi^2$/NDF: 1155.1/18

Left Out: 0.111+/-0.002 $\chi^2$/NDF:4430.3/24

Right Out: 0.233+/-0.003 $\chi^2$/NDF: 1433.2/20

Left In: 0.087+/-0.001 $\chi^2$/NDF:3604.3/22

Left: 0.098+/-0.001 $\chi^2$/NDF: 8153.0/47

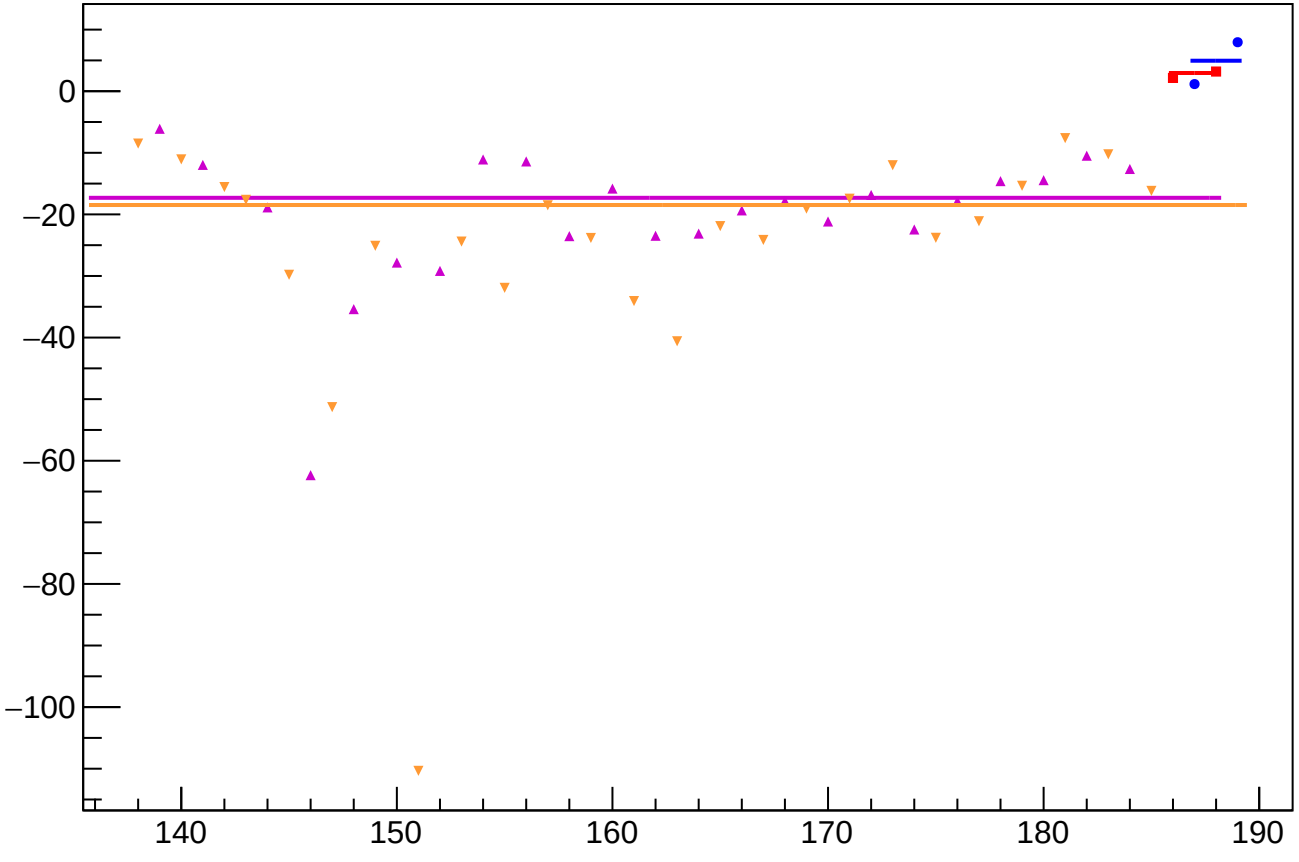
Right: 0.228+/-0.003 $\chi^2$/NDF: 2593.8/39

In: 0.103+/-0.001 $\chi^2$/NDF:5745.9/41

Out: 0.132+/-0.001 $\chi^2$/NDF:6884.7/45

All: 0.117+/-0.001 $\chi^2$/NDF: 12833.7/87

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 4.949+/-0.188 $\chi^2$/NDF: 320.9/1

Left Out: -18.478+/-0.040 $\chi^2$/NDF:87856.5/24

Right Out: 2.958+/-0.096 $\chi^2$/NDF: 20.4/1

Left In: -17.309+/-0.039 $\chi^2$/NDF:43807.0/22

Left: -17.879+/-0.028 $\chi^2$/NDF: 132106.2/47

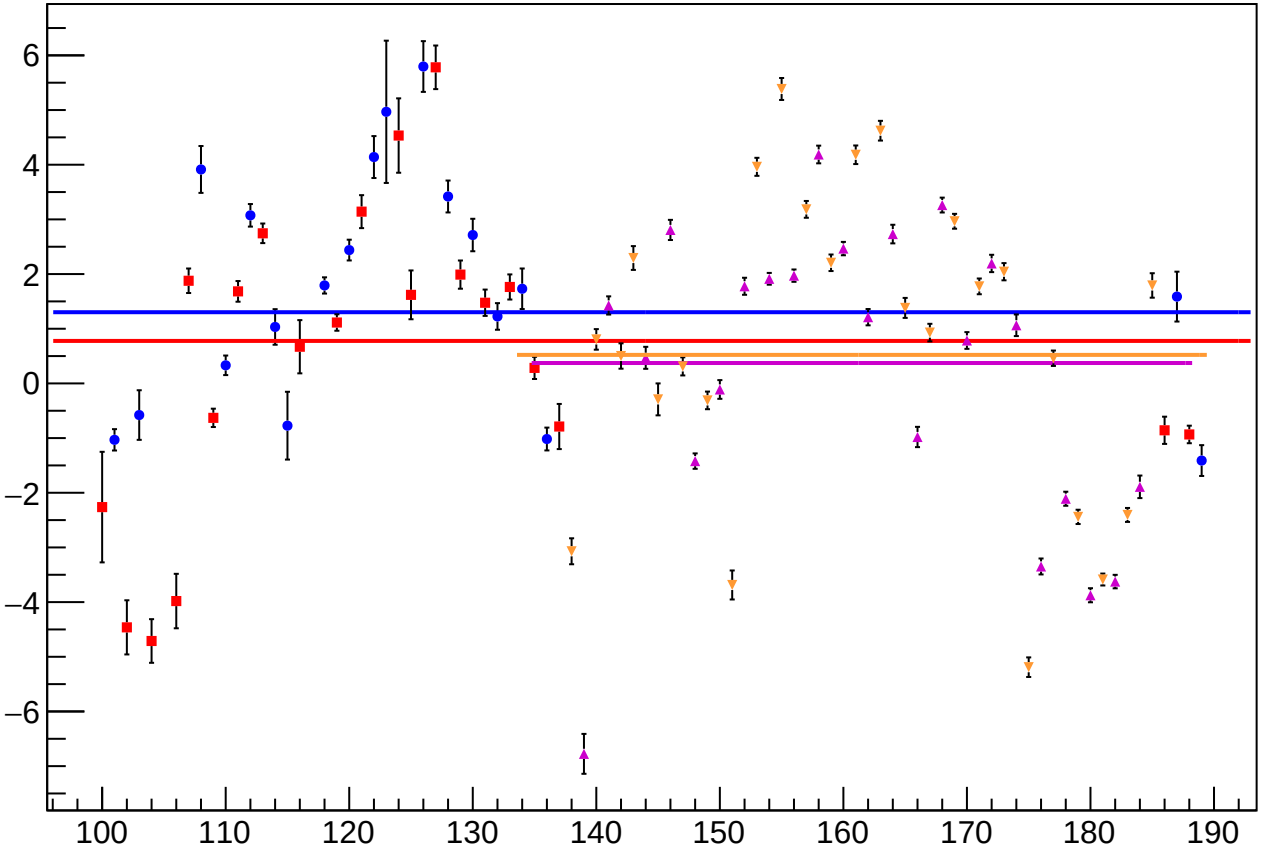
Right: 3.368+/-0.086 $\chi^2$/NDF: 430.0/3

In: -16.403+/-0.038 $\chi^2$/NDF:57520.6/24

Out: -15.342+/-0.037 $\chi^2$/NDF:130421.5/26

All: -15.855+/-0.026 $\chi^2$/NDF: 188345.2/51

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 1.302+/-0.060 $\chi^2$/NDF: 808.6/18

Left Out: 0.522+/-0.033 $\chi^2$/NDF:7038.3/24

Right Out: 0.777+/-0.054 $\chi^2$/NDF: 1123.6/20

Left In: 0.373+/-0.031 $\chi^2$/NDF:6263.9/22

Left: 0.443+/-0.023 $\chi^2$/NDF: 13312.8/47

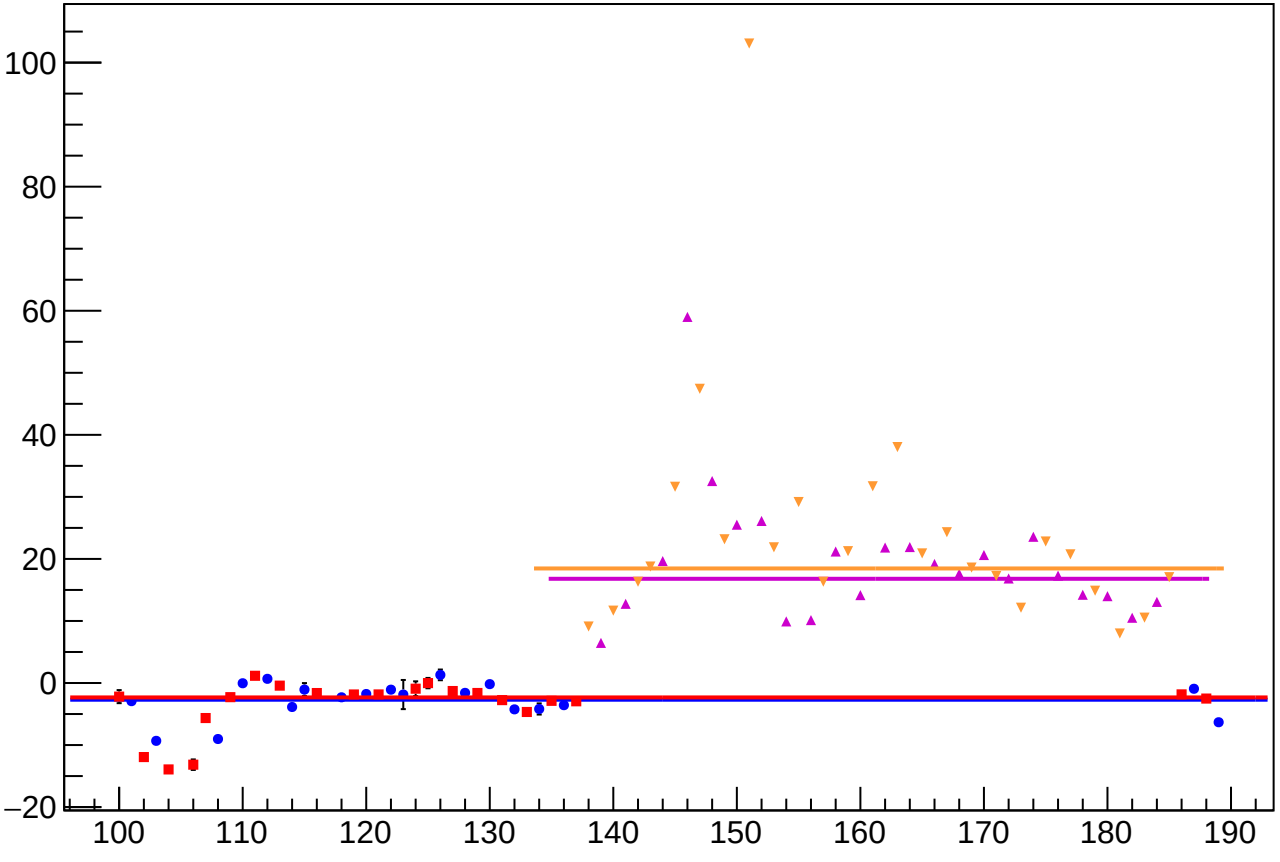
Right: 1.013+/-0.040 $\chi^2$/NDF: 1974.2/39

In: 0.571+/-0.028 $\chi^2$/NDF:7260.1/41

Out: 0.591+/-0.028 $\chi^2$/NDF:8178.0/45

All: 0.581+/-0.020 $\chi^2$/NDF: 15438.3/87

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -2.692+/-0.092 $\chi^2$/NDF: 861.9/18

Left Out: 18.463+/-0.040 $\chi^2$/NDF:77193.5/24

Right Out: -2.325+/-0.061 $\chi^2$/NDF: 932.4/20

Left In: 16.798+/-0.038 $\chi^2$/NDF:40258.9/22

Left: 17.599+/-0.028 $\chi^2$/NDF: 118354.8/47

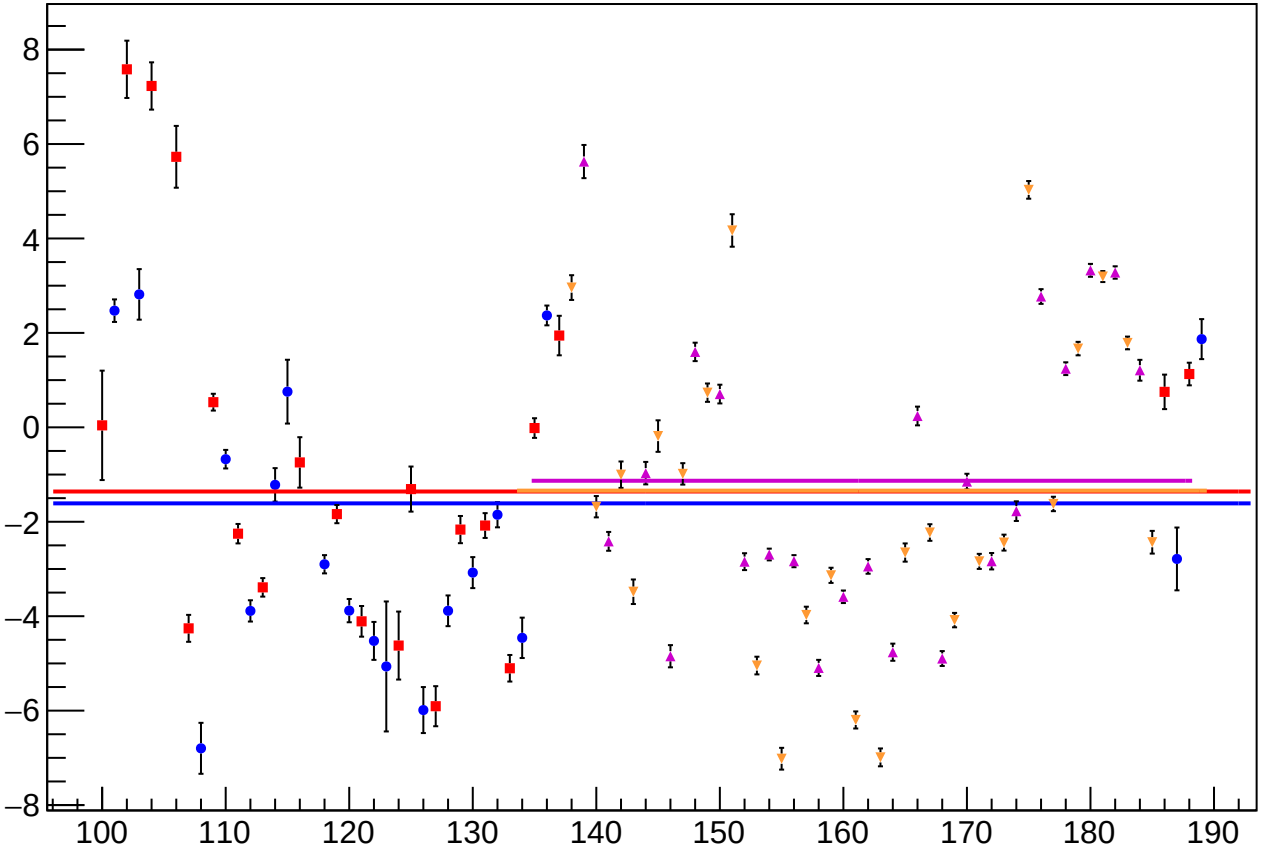
Right: -2.439+/-0.051 $\chi^2$/NDF: 1805.3/39

In: 13.879+/-0.035 $\chi^2$/NDF:79651.5/41

Out: 12.281+/-0.033 $\chi^2$/NDF:158750.7/45

All: 13.034+/-0.024 $\chi^2$/NDF: 239478.1/87

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -1.610+/-0.070 $\chi^2$/NDF: 1405.3/18

Left Out: -1.341+/-0.037 $\chi^2$/NDF:7886.0/24

Right Out: -1.359+/-0.064 $\chi^2$/NDF: 1624.2/20

Left In: -1.132+/-0.035 $\chi^2$/NDF:6743.4/22

Left: -1.231+/-0.025 $\chi^2$/NDF: 14646.5/47

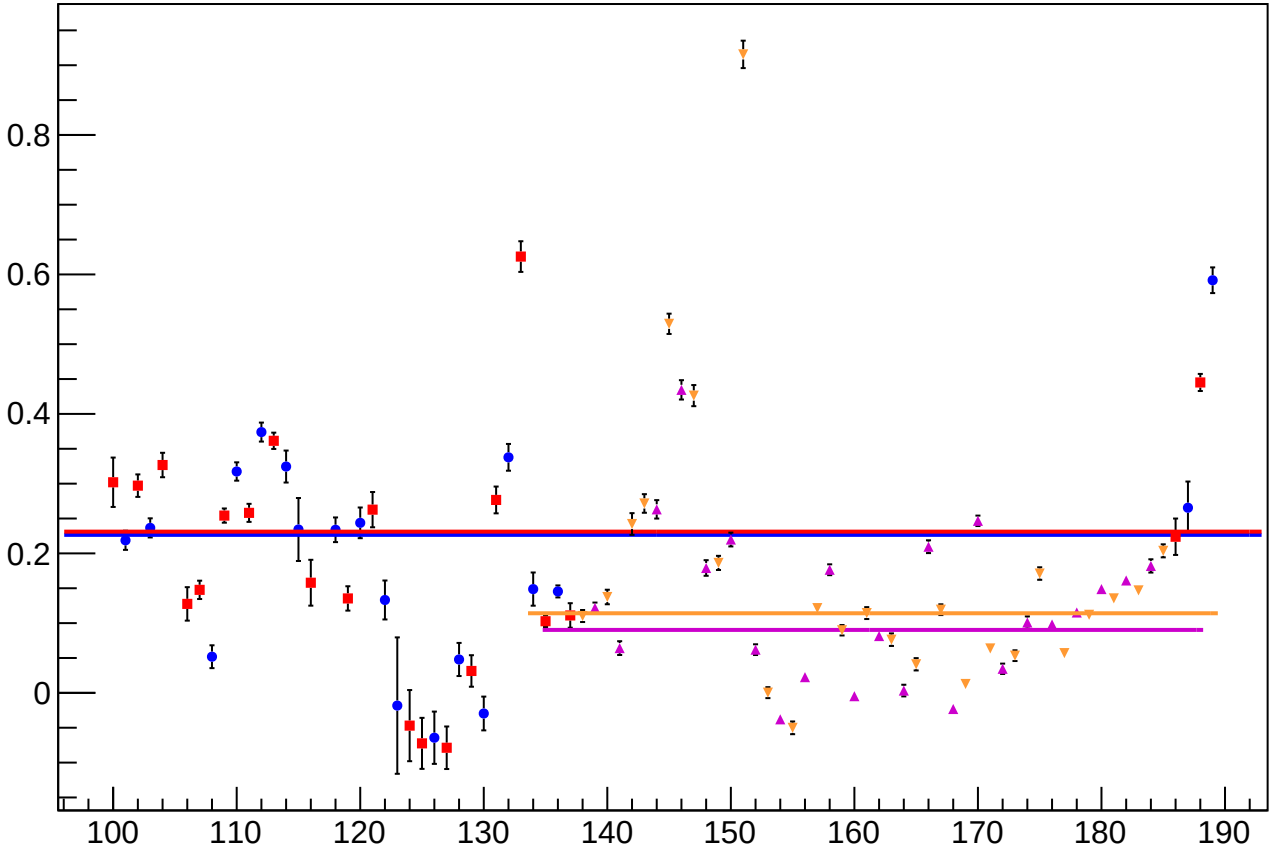
Right: -1.472+/-0.047 $\chi^2$/NDF: 3036.5/39

In: -1.226+/-0.031 $\chi^2$/NDF:8186.0/41

Out: -1.345+/-0.032 $\chi^2$/NDF:9510.2/45

All: -1.285+/-0.022 $\chi^2$/NDF: 17703.4/87

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.227+/-0.004 $\chi^2$/NDF: 1071.2/18

Left Out: 0.114+/-0.002 $\chi^2$/NDF:4382.5/24

Right Out: 0.231+/-0.004 $\chi^2$/NDF: 1478.4/20

Left In: 0.090+/-0.002 $\chi^2$/NDF:3679.2/22

Left: 0.101+/-0.001 $\chi^2$/NDF: 8175.2/47

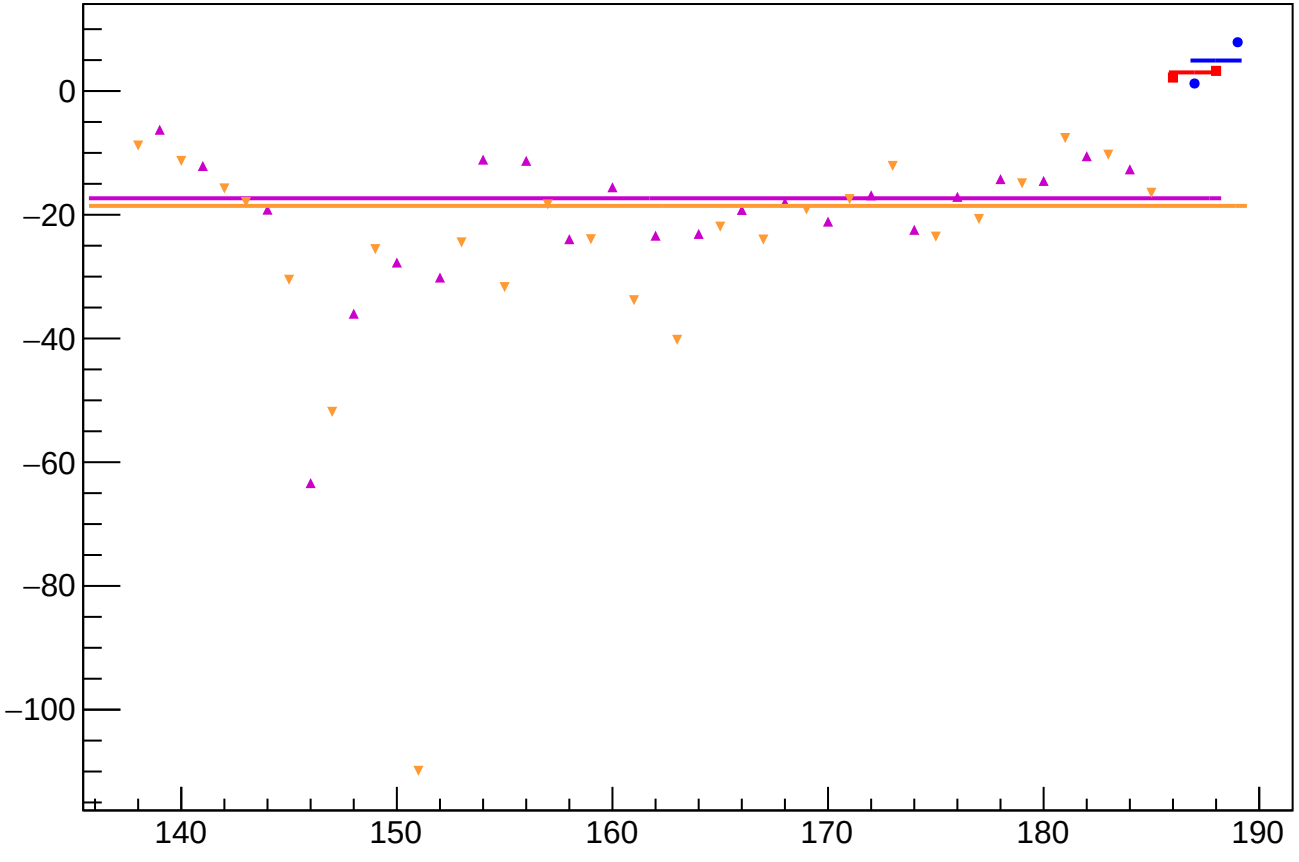
Right: 0.229+/-0.003 $\chi^2$/NDF: 2550.4/39

In: 0.107+/-0.001 $\chi^2$/NDF:5733.1/41

Out: 0.135+/-0.001 $\chi^2$/NDF:6754.0/45

All: 0.120+/-0.001 $\chi^2$/NDF: 12663.7/87

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected




Right In: 4.932+/-0.189 $\chi^2$/NDF: 307.1/1

Left Out: -18.565+/-0.040 $\chi^2$/NDF:86349.5/24

Right Out: 3.010+/-0.097 $\chi^2$/NDF: 21.7/1

Left In: -17.335+/-0.039 $\chi^2$/NDF:44078.7/22

Left: -17.934+/-0.028 $\chi^2$/NDF: 130909.9/47

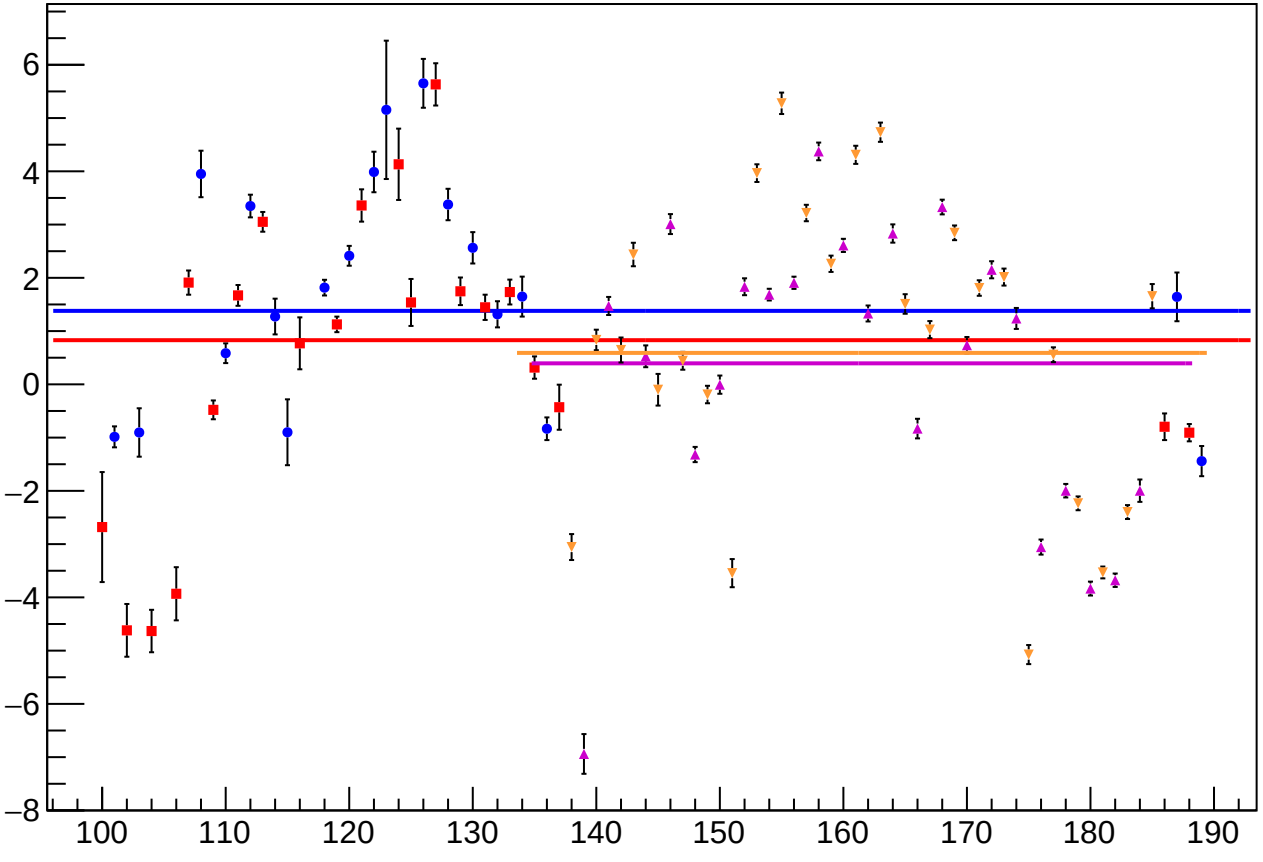
Right: 3.412+/-0.086 $\chi^2$/NDF: 410.4/3

In: -16.420+/-0.038 $\chi^2$/NDF:57679.7/24

Out: -15.420+/-0.037 $\chi^2$/NDF:128484.6/26

All: -15.904+/-0.027 $\chi^2$/NDF: 186515.6/51

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected




Right In: 1.380+/-0.061 $\chi^2$/NDF: 773.8/18

Left Out: 0.590+/-0.033 $\chi^2$/NDF:6780.3/24

Right Out: 0.829+/-0.055 $\chi^2$/NDF: 1103.9/20

Left In: 0.394+/-0.032 $\chi^2$/NDF:6112.7/22

Left: 0.487+/-0.023 $\chi^2$/NDF: 12911.2/47

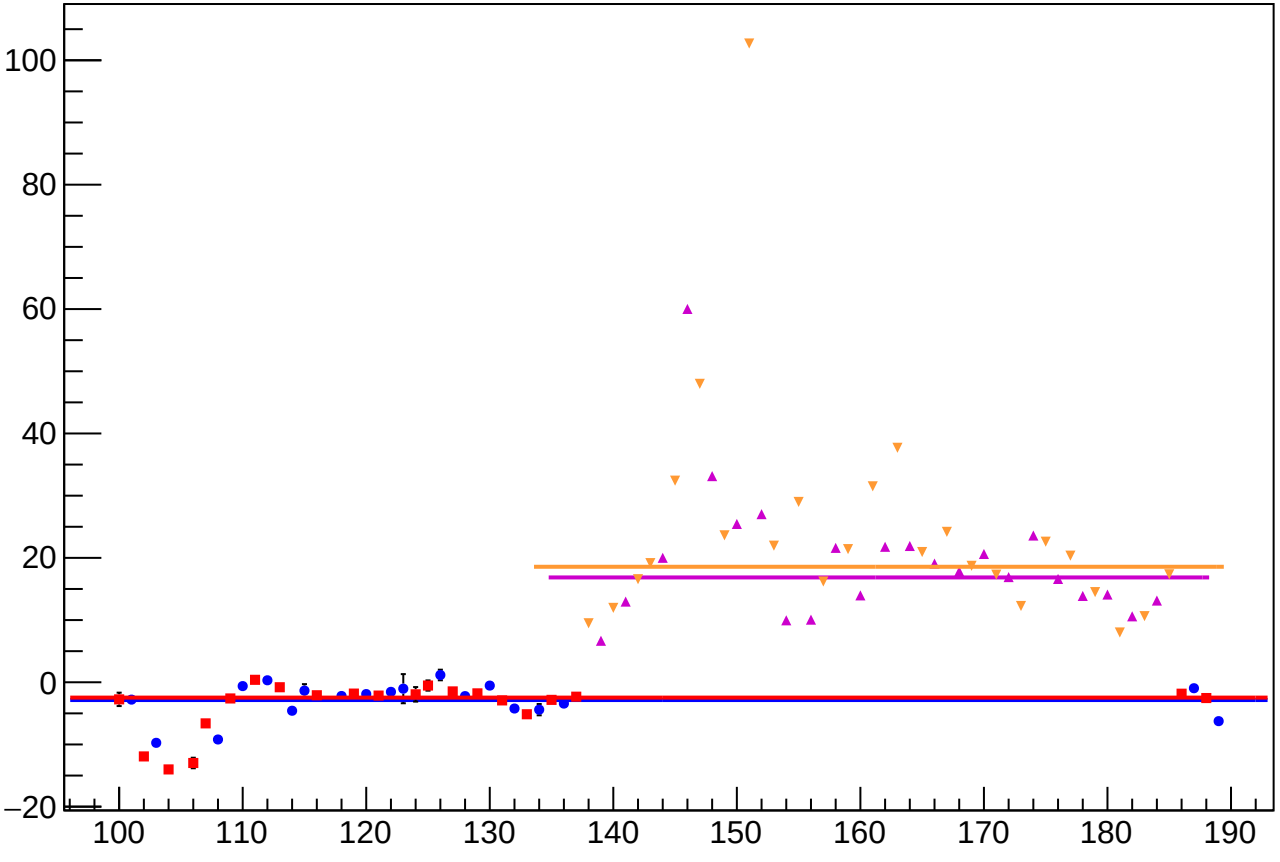
Right: 1.077+/-0.041 $\chi^2$/NDF: 1922.9/39

In: 0.605+/-0.028 $\chi^2$/NDF:7093.9/41

Out: 0.655+/-0.028 $\chi^2$/NDF:7897.9/45

All: 0.629+/-0.020 $\chi^2$/NDF: 14993.4/87

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected




Right In: -2.858+/-0.093 $\chi^2$/NDF: 776.3/18

Left Out: 18.569+/-0.040 $\chi^2$/NDF:75983.2/24

Right Out: -2.465+/-0.062 $\chi^2$/NDF: 858.3/20

Left In: 16.854+/-0.039 $\chi^2$/NDF:40590.0/22

Left: 17.679+/-0.028 $\chi^2$/NDF: 117514.0/47

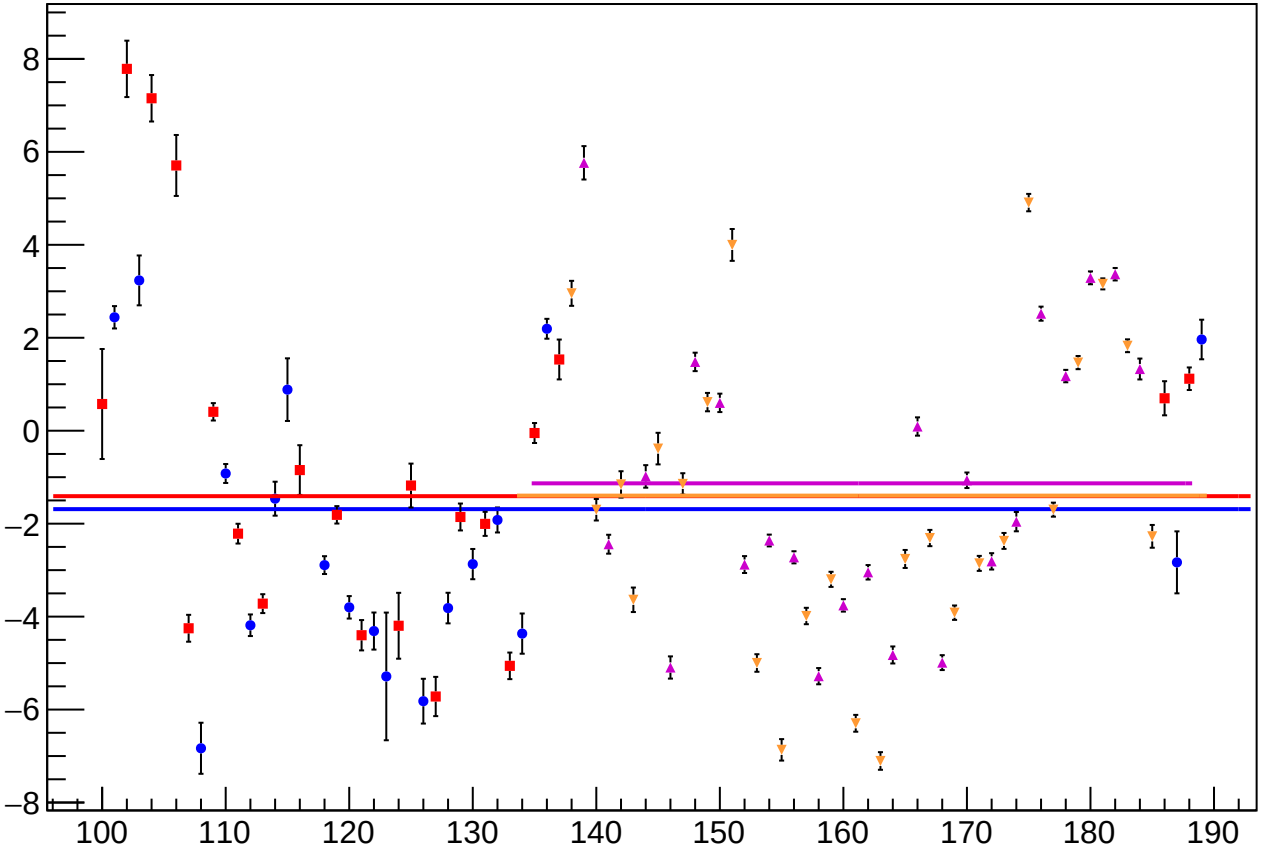
Right: -2.588+/-0.052 $\chi^2$/NDF: 1647.0/39

In: 13.913+/-0.036 $\chi^2$/NDF:79935.9/41

Out: 12.368+/-0.034 $\chi^2$/NDF:157164.2/45

All: 13.098+/-0.025 $\chi^2$/NDF: 238085.3/87

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected




Right In: -1.687+/-0.071 $\chi^2$/NDF: 1350.1/18

Left Out: -1.397+/-0.037 $\chi^2$/NDF:7631.3/24

Right Out: -1.408+/-0.064 $\chi^2$/NDF: 1586.8/20

Left In: -1.132+/-0.035 $\chi^2$/NDF:6638.3/22

Left: -1.258+/-0.025 $\chi^2$/NDF: 14296.5/47

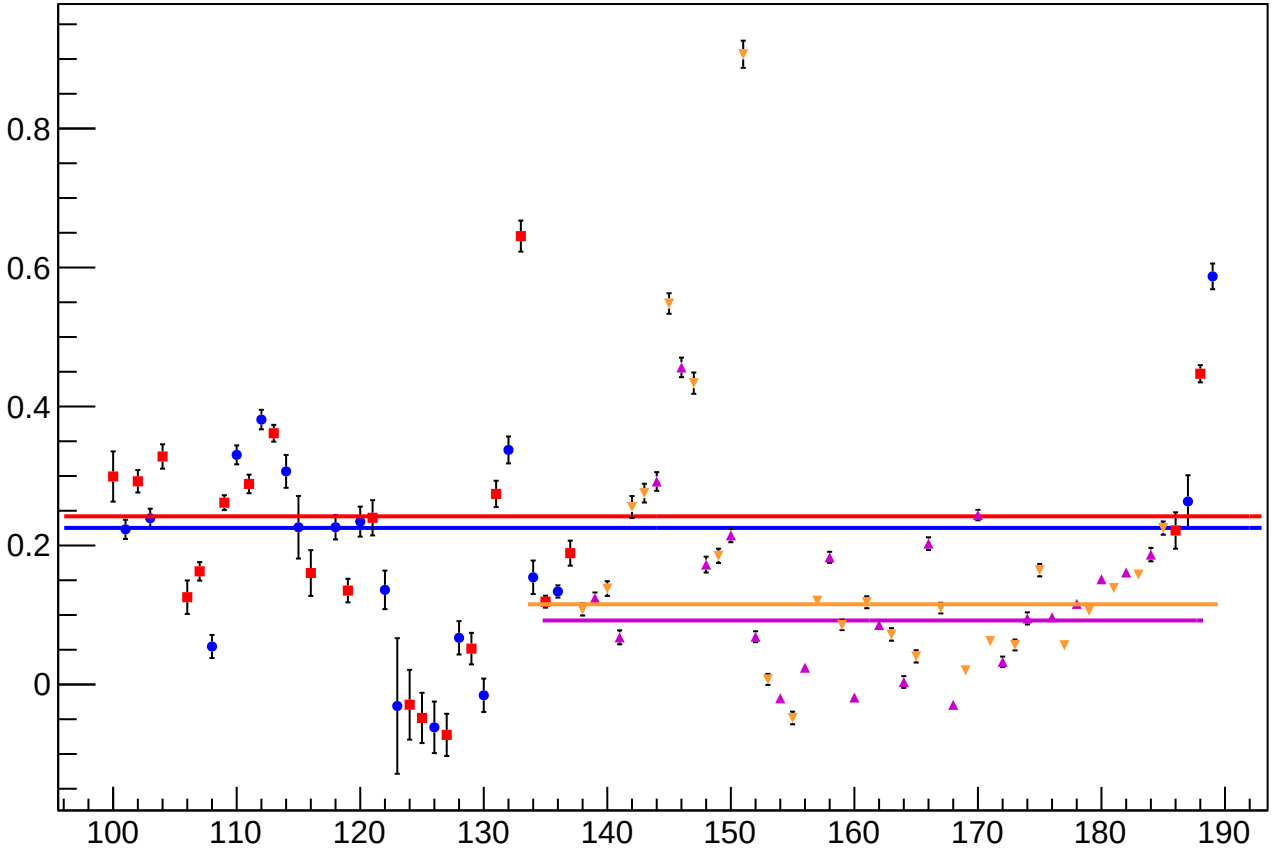
Right: -1.535+/-0.048 $\chi^2$/NDF: 2945.4/39

In: -1.242+/-0.031 $\chi^2$/NDF:8037.7/41

Out: -1.399+/-0.032 $\chi^2$/NDF:9218.1/45

All: -1.319+/-0.022 $\chi^2$/NDF: 17268.1/87

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected




Right In: 0.225+/-0.004 $\chi^2$/NDF: 1055.0/18

Left Out: 0.115+/-0.002 $\chi^2$/NDF:4423.4/24

Right Out: 0.242+/-0.004 $\chi^2$/NDF: 1340.9/20

Left In: 0.092+/-0.002 $\chi^2$/NDF:3632.6/22

Left: 0.103+/-0.001 $\chi^2$/NDF: 8162.4/47

Right: 0.235+/-0.003 $\chi^2$/NDF: 2405.1/39

In: 0.109+/-0.001 $\chi^2$/NDF:5602.3/41

Out: 0.137+/-0.002 $\chi^2$/NDF:6771.5/45

All: 0.122+/-0.001 $\chi^2$/NDF: 12562.3/87