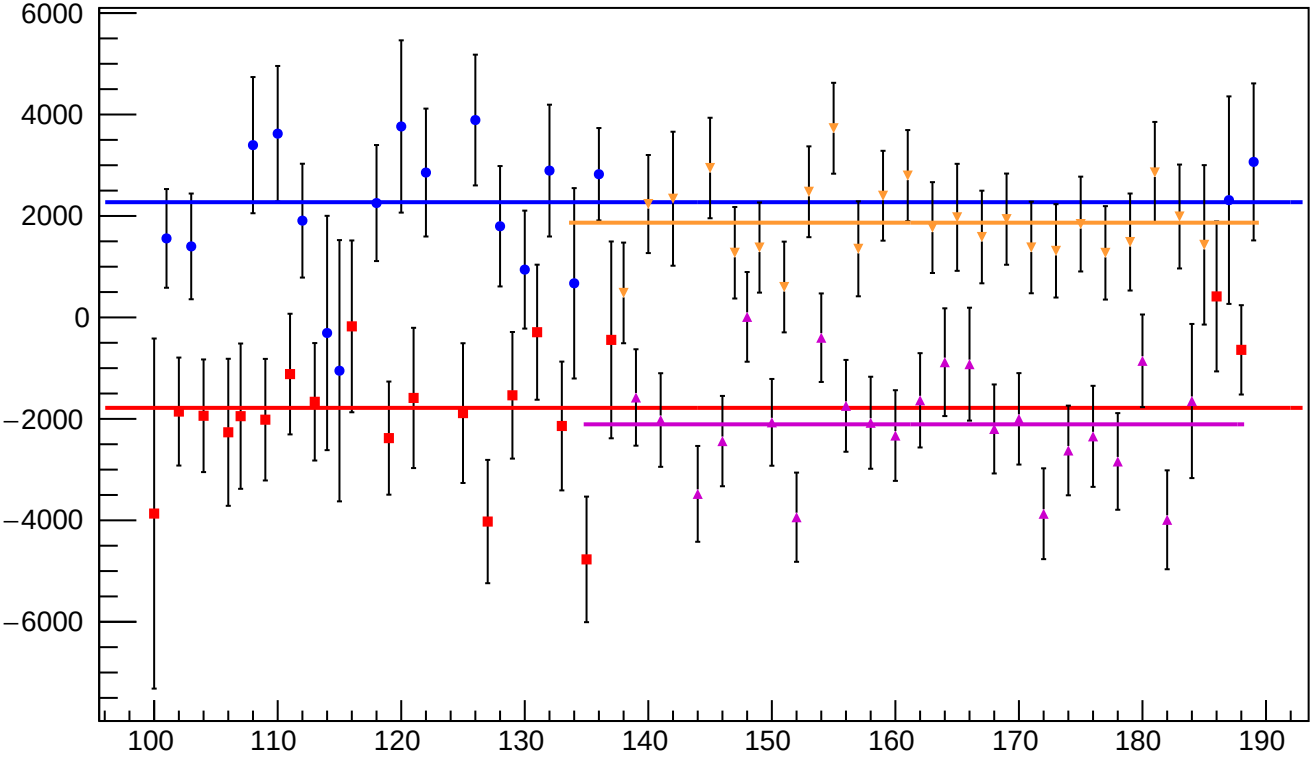
# dit_asym_us_avg_mean vs Slug




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

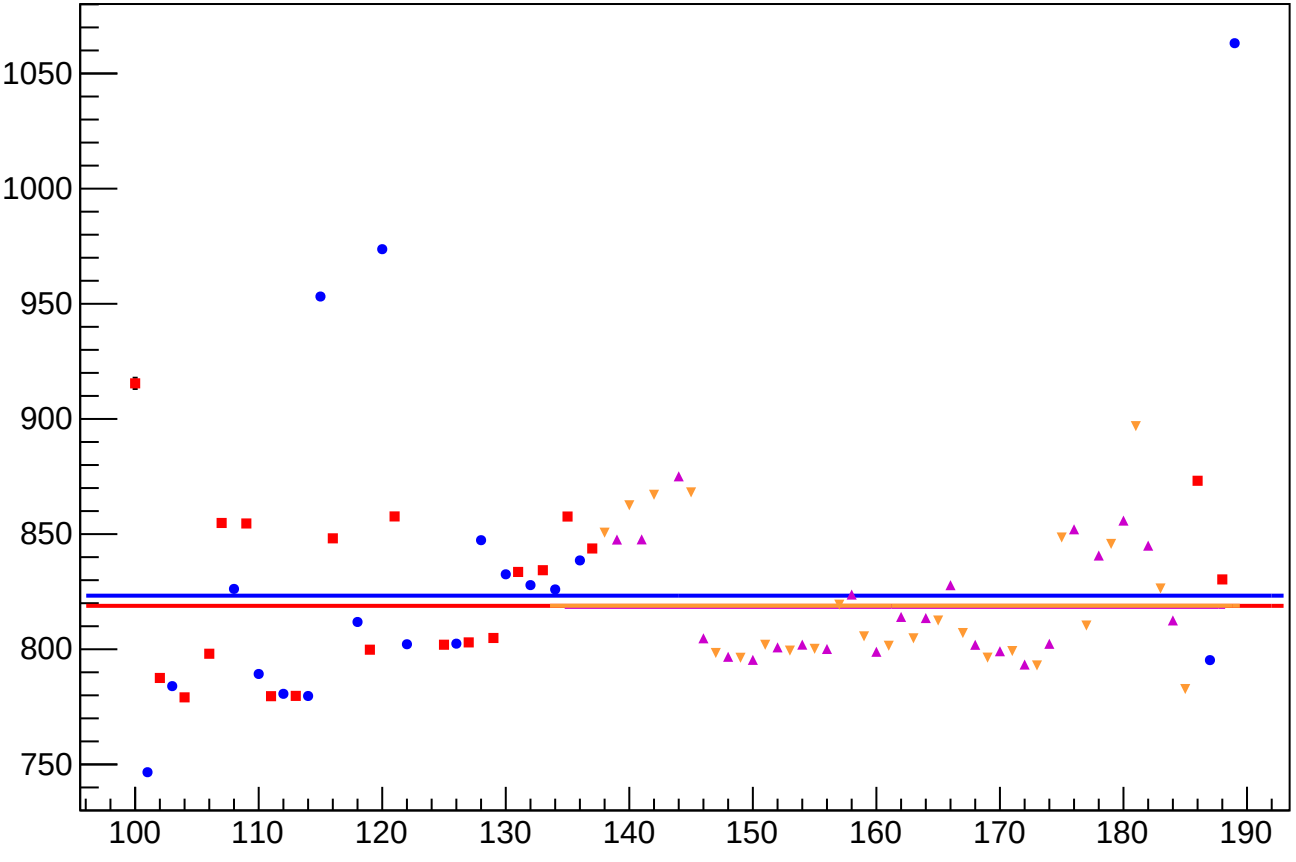
Left In: -2107.246+/-194.959 $\chi^2$/NDF:30.0/22

+ sign 1984.682+/-164.156 $\chi^2$/NDF: 27.9/41

All: -48.270+/-114.948 $\chi^2$/NDF: 376.8/84

- sign -2004.096+/-161.012 $\chi^2$/NDF: 47.9/42

# dit_asym_us_avg_rms vs Slug




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

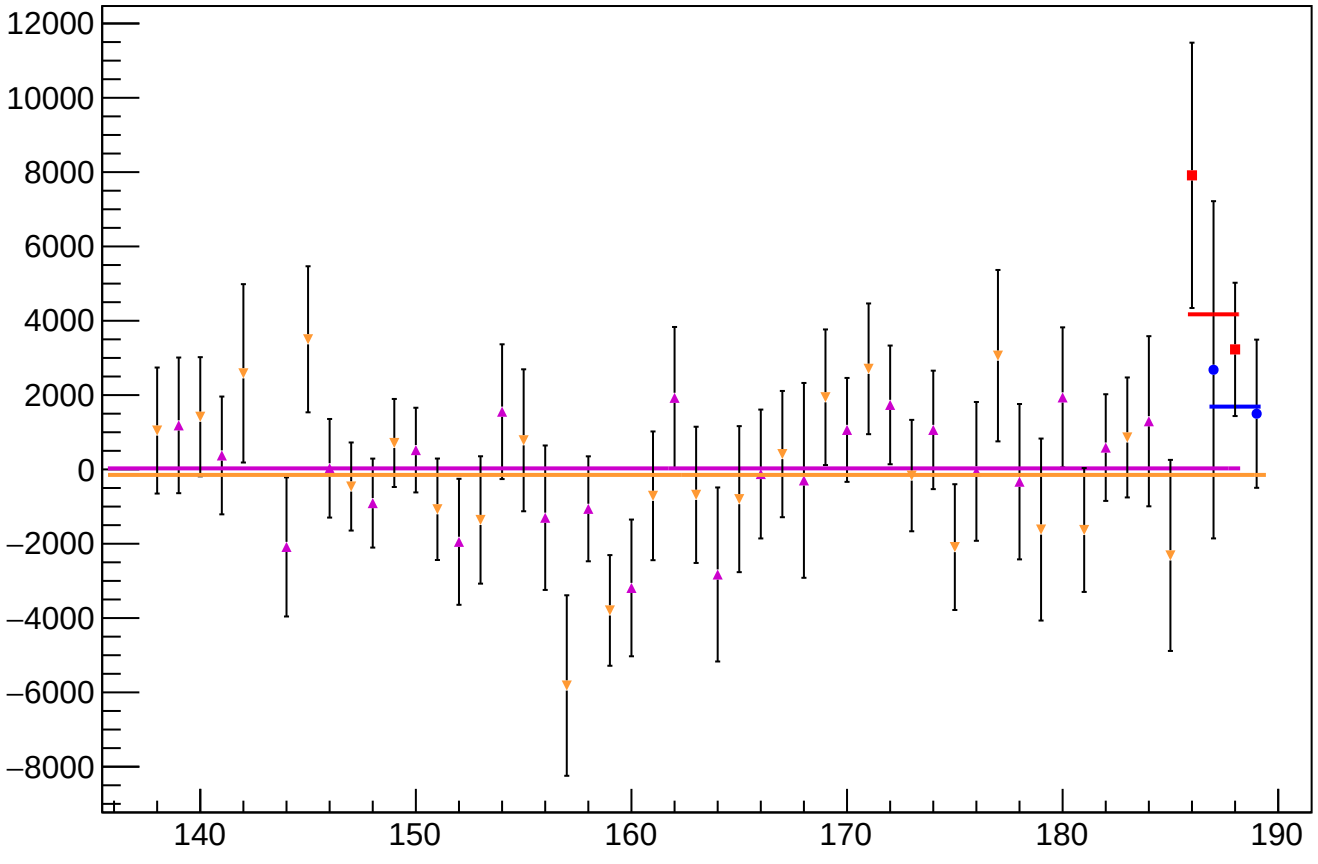
Left In: 818.403+/-0.138 $\chi^2$/NDF:29907.0/22

+ sign 820.168+/-0.116 $\chi^2$/NDF: 134160.0/41

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

- sign 818.547+/-0.114 $\chi^2$/NDF: 53208.2/42

# asym_us_avg_correction_mean vs Slug




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

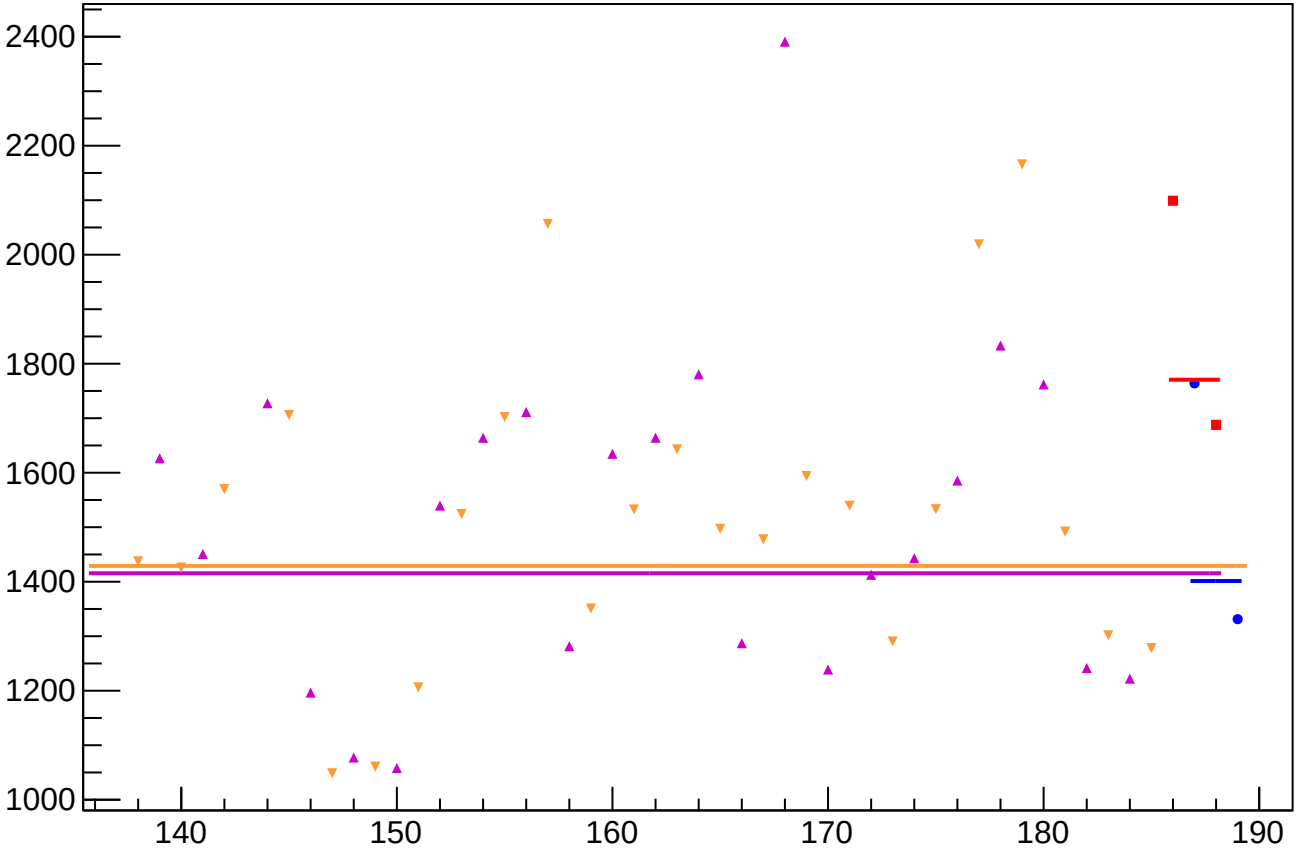
Left In: 27.722+/-344.229 $\chi^2$/NDF:14.8/22

+ sign -83.501+/-341.606 $\chi^2$/NDF: 30.3/25

All: 65.720+/-239.746 $\chi^2$/NDF: 53.3/50

- sign 210.559+/-336.553 $\chi^2$/NDF: 22.6/24

# asym_us_avg_correction_rms vs Slug




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

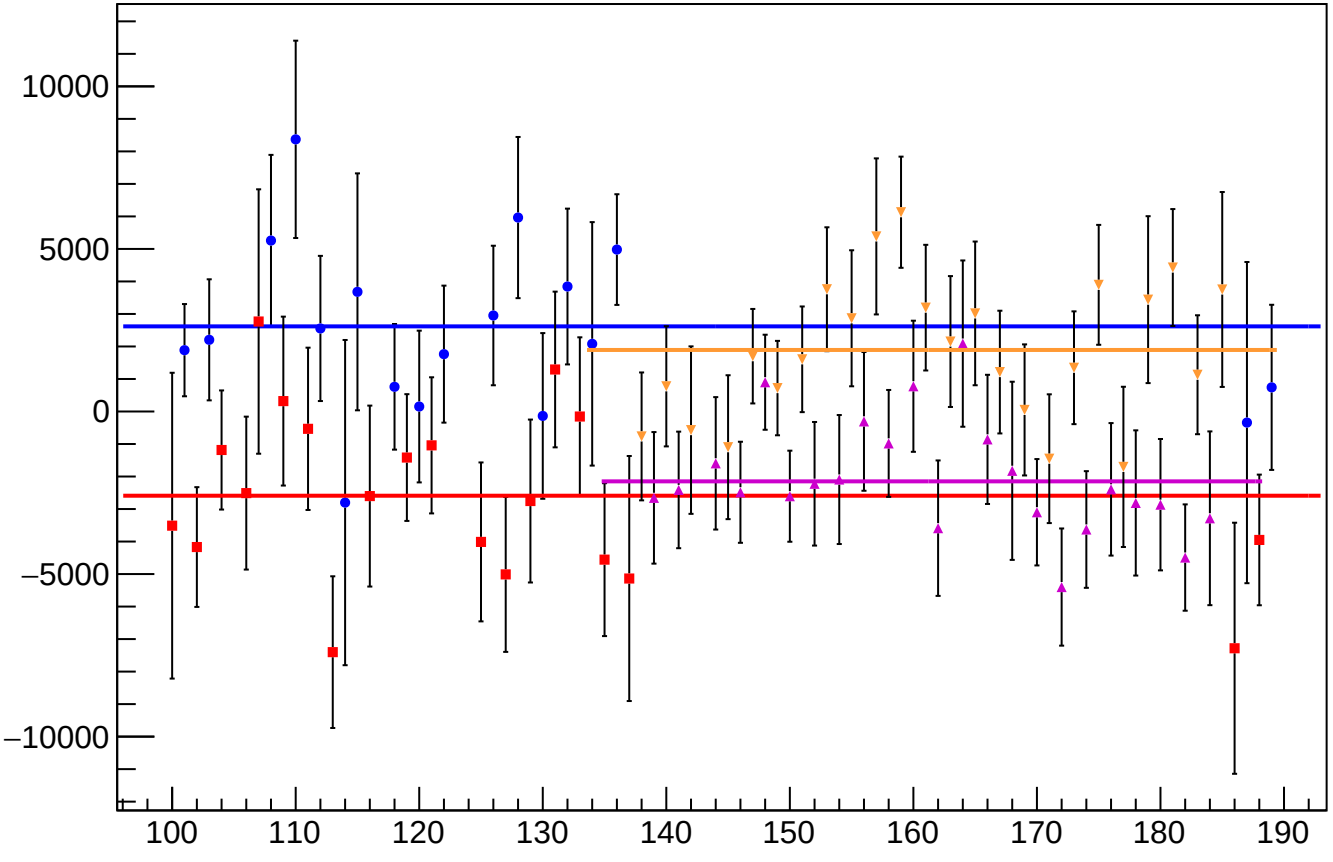
Left In: 1415.555+/-0.243 $\chi^2$/NDF:1245603.5/22

+ sign 1428.092+/-0.242 $\chi^2$/NDF: 1122634.9/25

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

- sign 1431.215+/-0.238 $\chi^2$/NDF: 1360652.5/24

# asym_us_avg_mean vs Slug




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

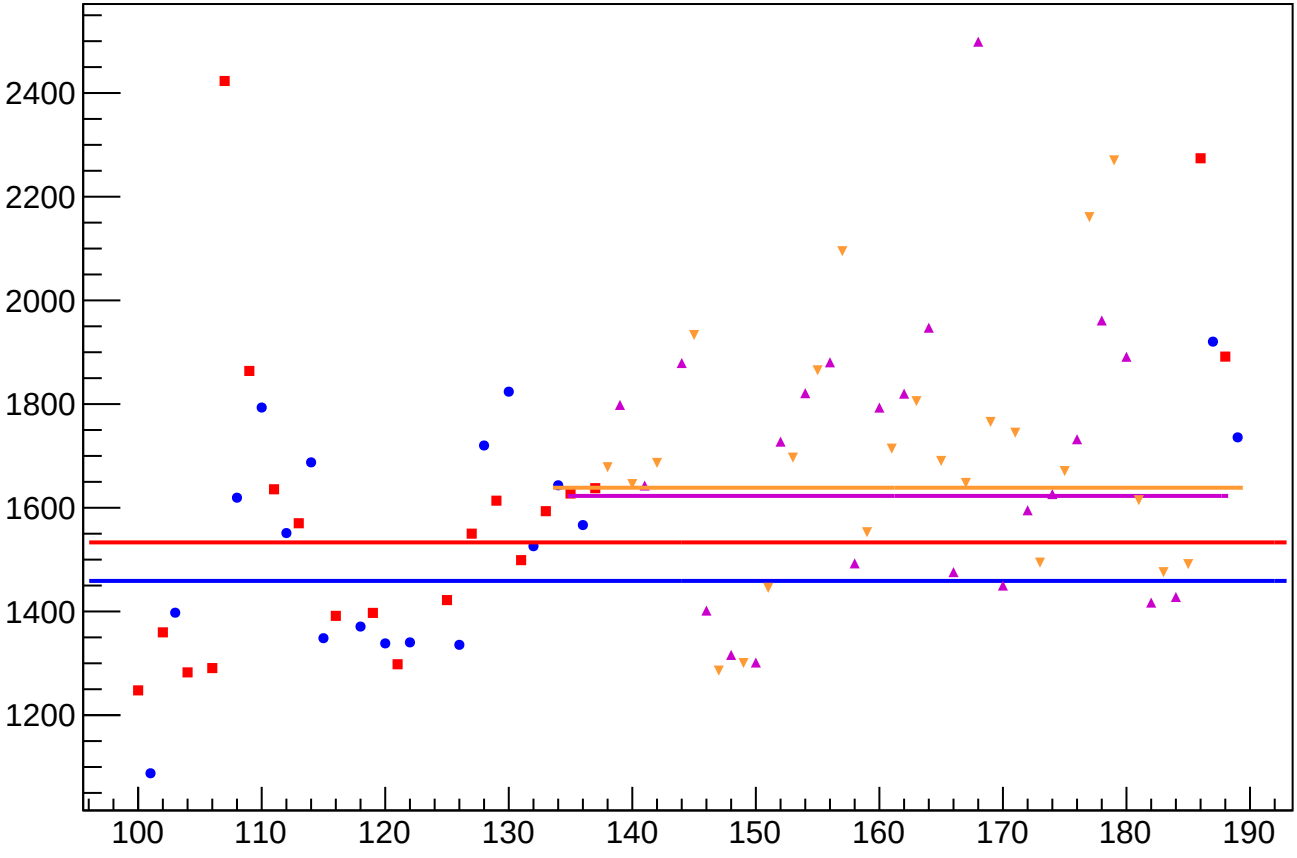
Left In: -2148.867+/-391.716 $\chi^2$/NDF:18.4/22

+ sign 2141.518+/-319.972 $\chi^2$/NDF: 41.6/41

All: -96.752+/-225.370 $\chi^2$/NDF: 175.9/84

- sign -2300.356+/-317.484 $\chi^2$/NDF: 37.1/42

# asym_us_avg_rms vs Slug




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

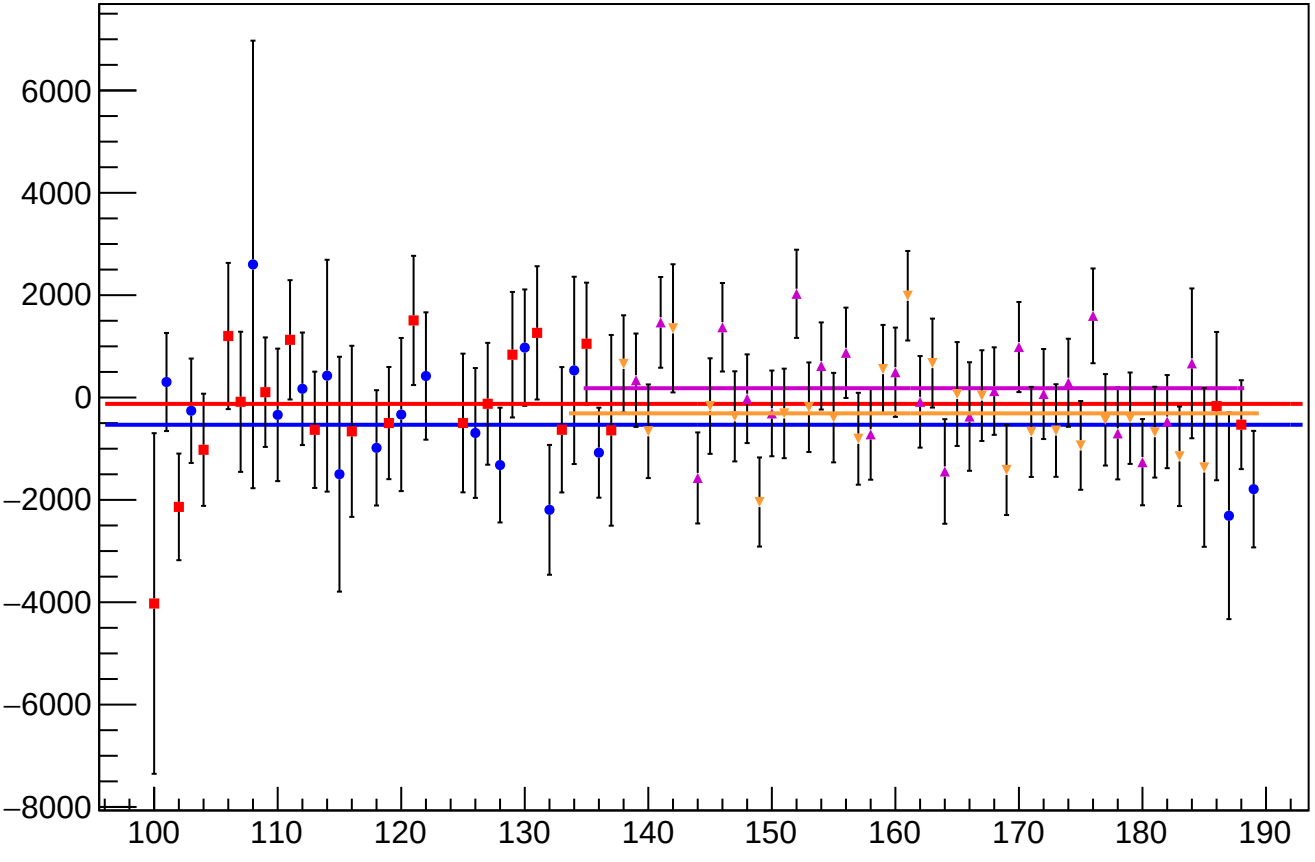
Left In: 1622.876+/-0.277 $\chi^2$/NDF:780522.2/22

+ sign 1577.000+/-0.226 $\chi^2$/NDF: 1135757.5/41

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

- sign 1592.112+/-0.224 $\chi^2$/NDF: 1222483.8/42

# dit_asym_us_dd_mean vs Slug




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

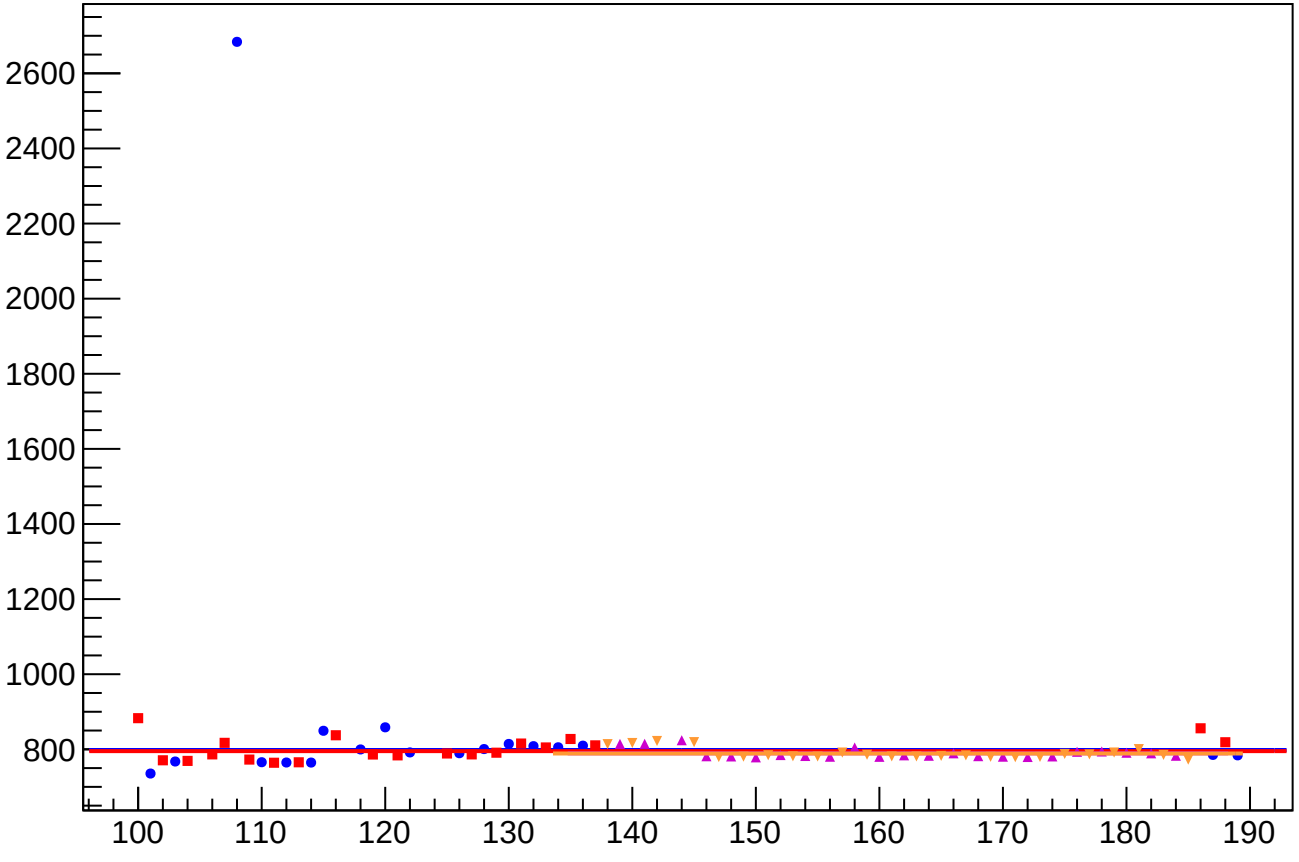
Left In: 181.983+/-187.935 $\chi^2$/NDF:25.6/22

+ sign -371.982+/-158.764 $\chi^2$/NDF: 30.6/41

All: -138.513+/-111.098 $\chi^2$/NDF: 74.4/84

- sign 85.511+/-155.519 $\chi^2$/NDF: 39.6/42

# dit_asym_us_dd_rms vs Slug




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

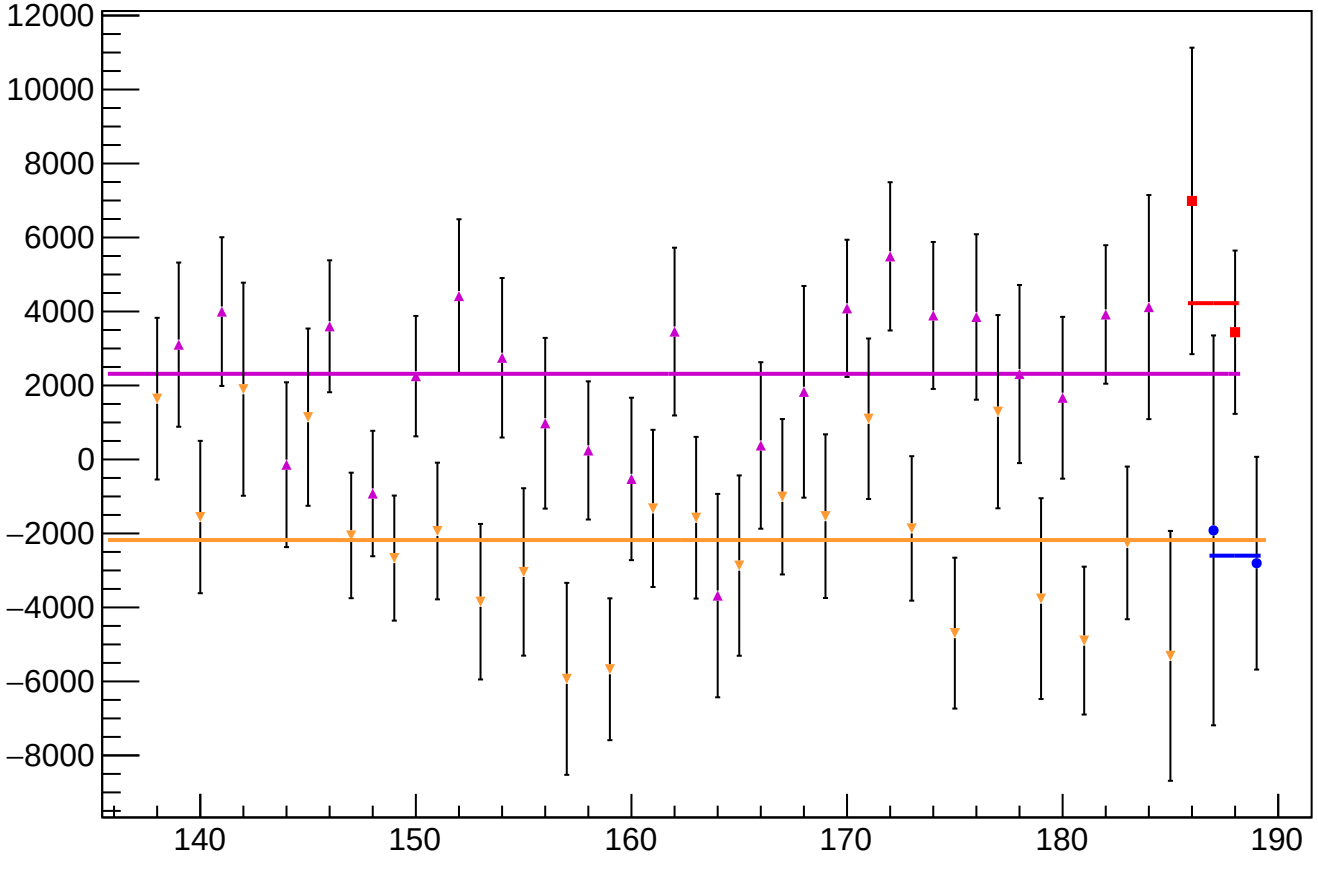
Left In: 789.406+/-0.133 $\chi^2$/NDF:9219.1/22

+ sign 791.503+/-0.112 $\chi^2$/NDF: 402343.0/41

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

- sign 791.223+/-0.110 $\chi^2$/NDF: 26645.0/42

# asym_us_dd_correction_mean vs Slug




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

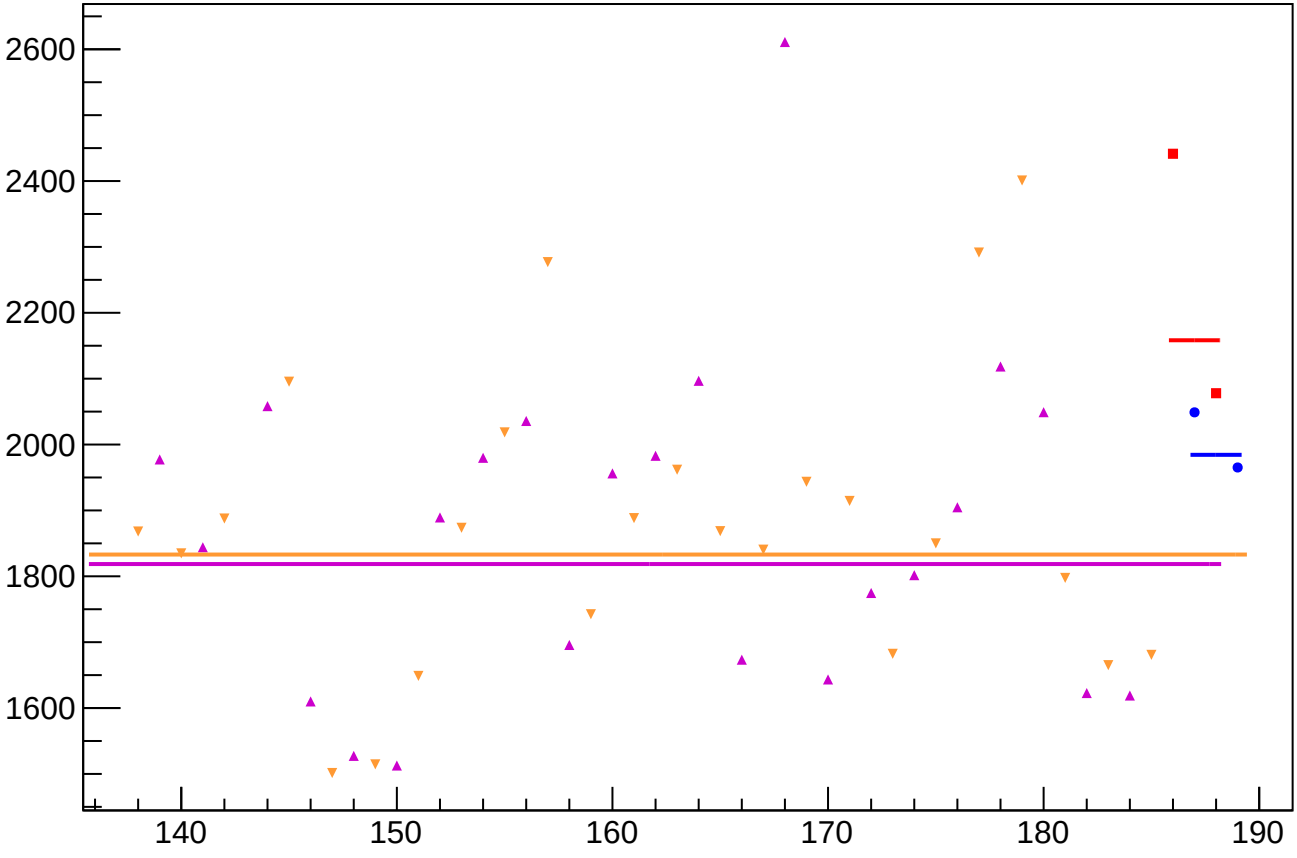
Left In: 2315.169+/-437.003 $\chi^2$/NDF:22.0/22

+ sign -2190.901+/-433.140 $\chi^2$/NDF: 22.8/25

All: 143.911+/-303.867 $\chi^2$/NDF: 103.5/50

- sign 2406.667+/-426.404 $\chi^2$/NDF: 23.5/24

# asym_us_dd_correction_rms vs Slug




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

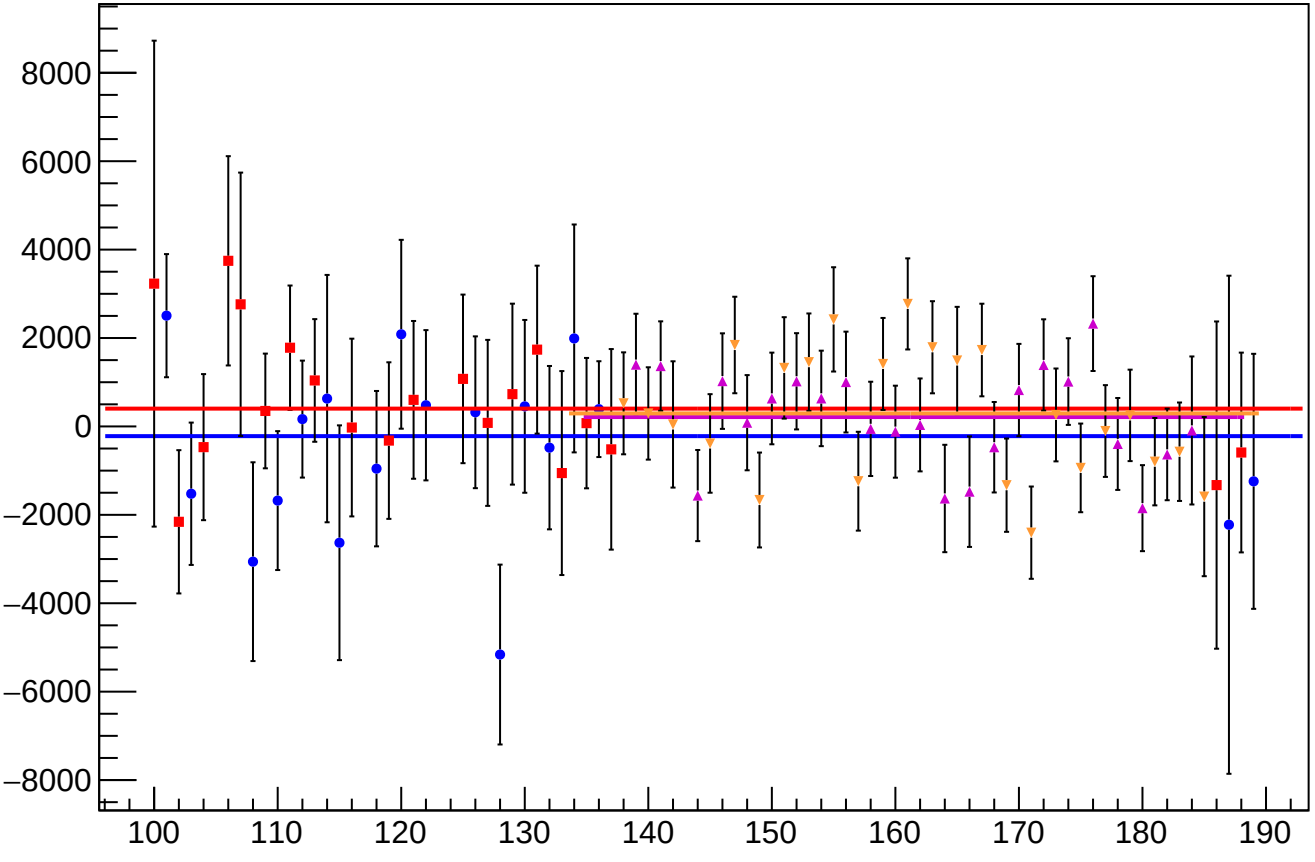
Left In: 1818.594+/-0.309 $\chi^2$/NDF:536826.7/22

+ sign 1837.484+/-0.306 $\chi^2$/NDF: 472835.1/25

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

- sign 1834.872+/-0.302 $\chi^2$/NDF: 606732.1/24

# asym_us_dd_mean vs Slug




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

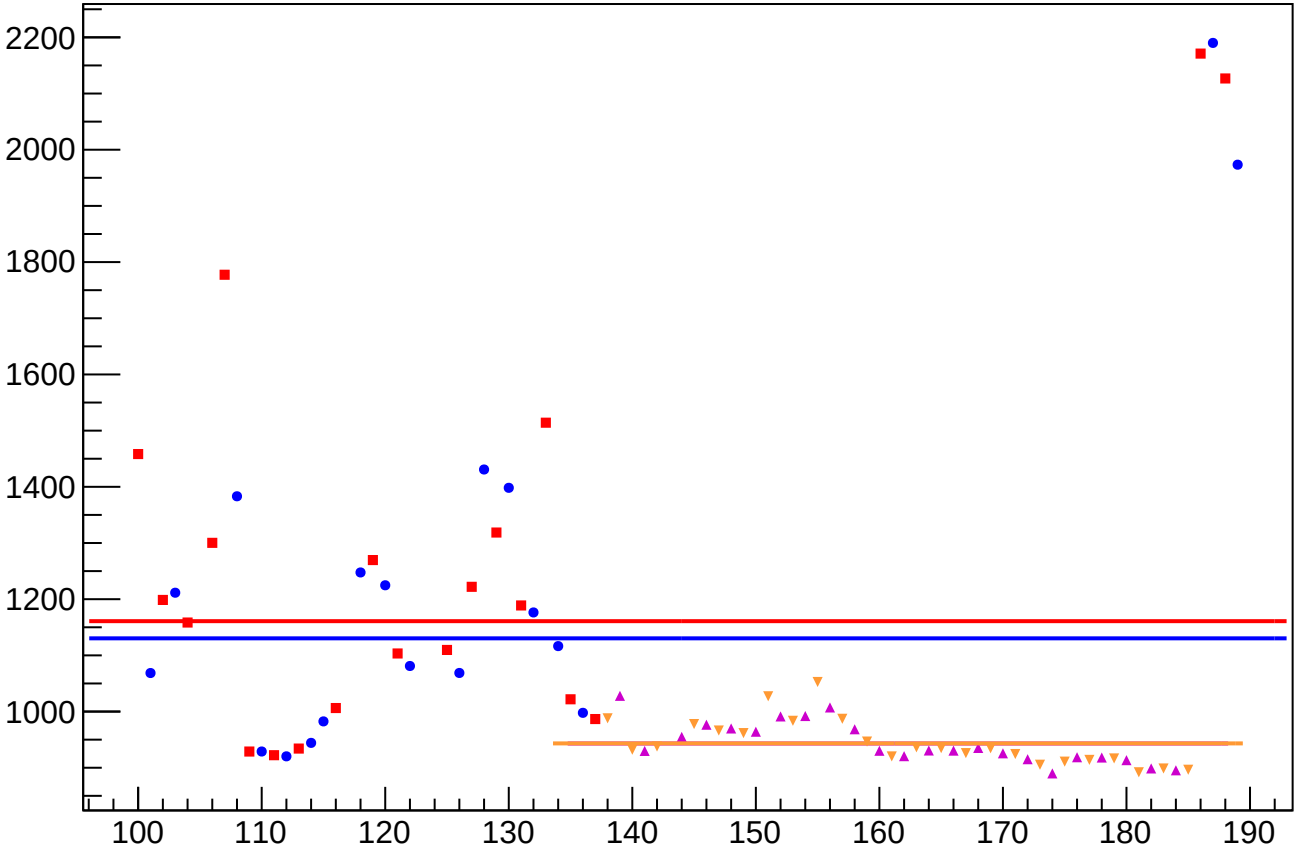
Left In: 212.080+/-224.701 $\chi^2$/NDF:23.7/22

+ sign 182.782+/-198.453 $\chi^2$/NDF: 56.3/41

All: 219.024+/-140.093 $\chi^2$/NDF: 89.1/84

- sign 255.024+/-197.792 $\chi^2$/NDF: 32.7/42

# asym_us_dd_rms vs Slug




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

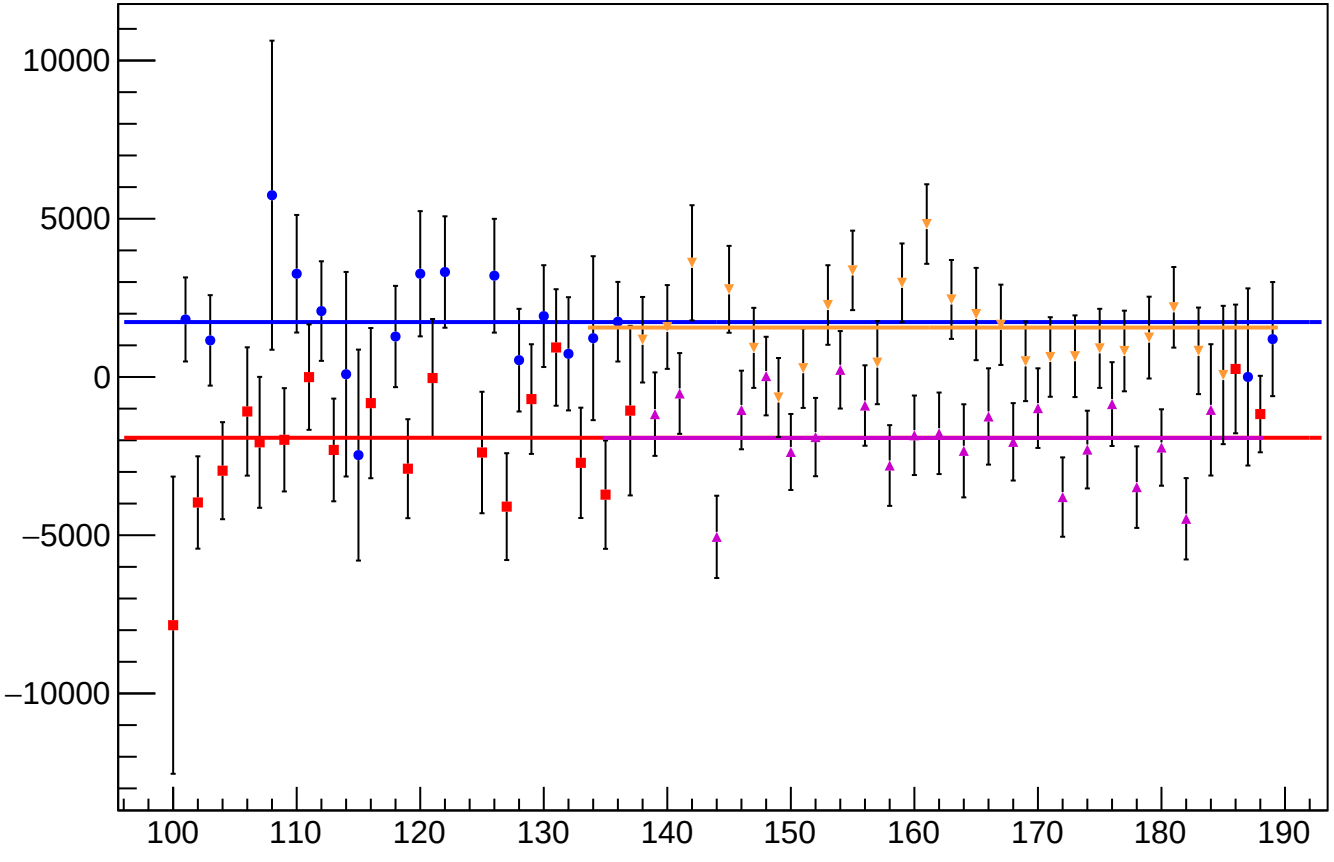
Left In: 943.137+/-0.159 $\chi^2$/NDF:49948.2/22

+ sign 983.997+/-0.140 $\chi^2$/NDF: 866317.4/41

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

- sign 992.166+/-0.140 $\chi^2$/NDF: 1375434.9/42

# dit_asym_usl_mean vs Slug




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

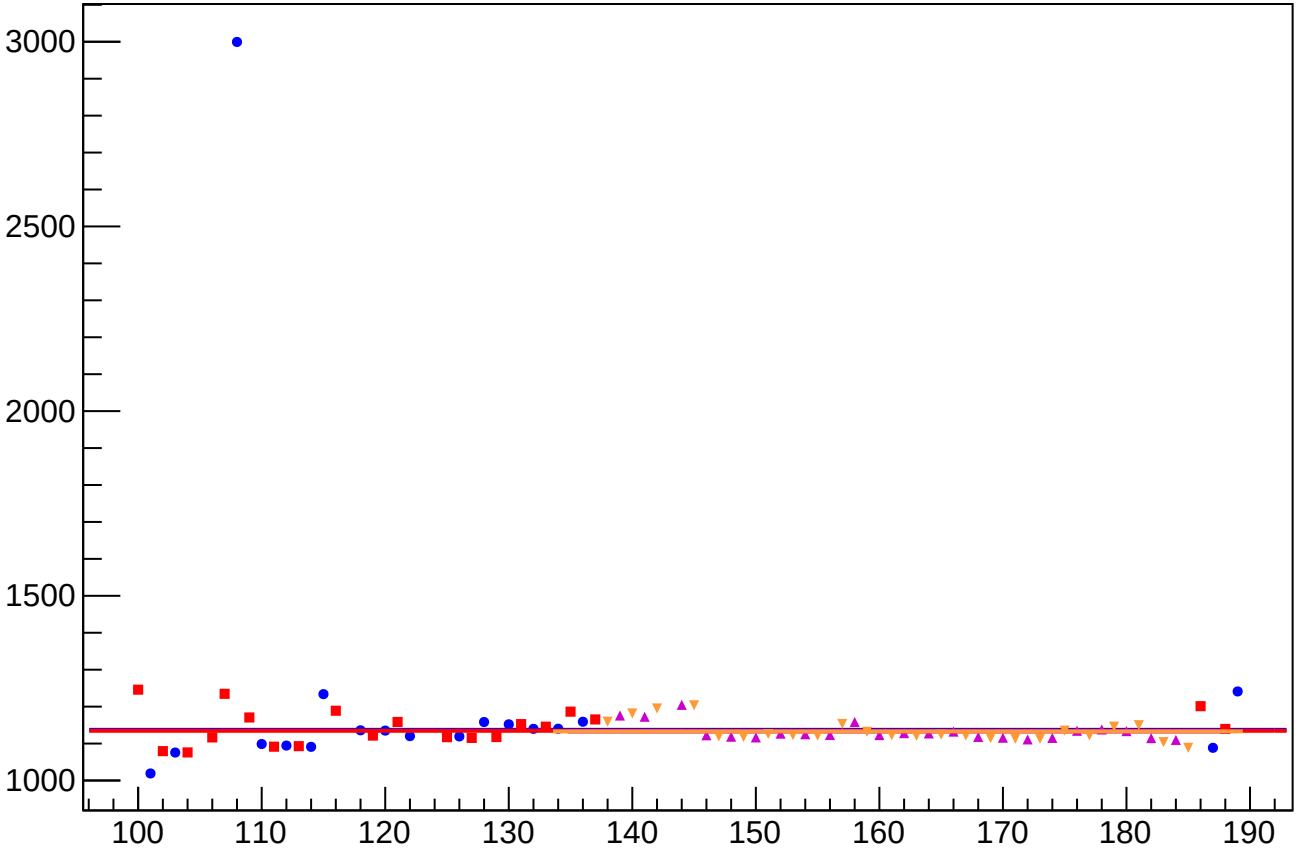
Left In: -1926.929+/-269.667 $\chi^2$/NDF:24.1/22

+ sign 1611.833+/-227.377 $\chi^2$/NDF: 28.8/41

All: -192.555+/-159.137 $\chi^2$/NDF: 191.2/84

- sign -1925.019+/-222.799 $\chi^2$/NDF: 38.9/42

# dit_asym_usl_rms vs Slug




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

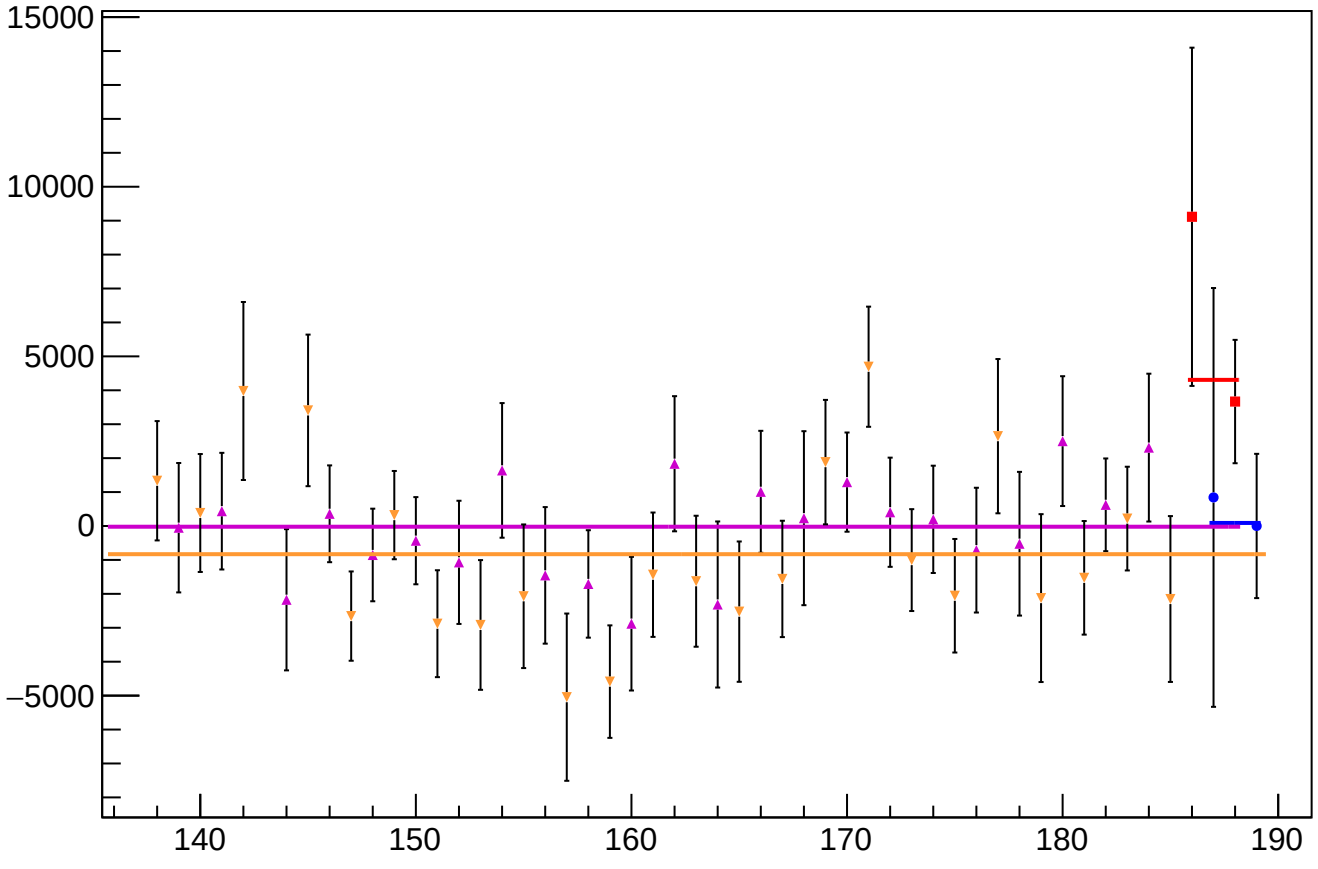
Left In: 1132.570+/-0.191 $\chi^2$/NDF:14524.8/22

+ sign 1134.096+/-0.161 $\chi^2$/NDF: 340469.4/41

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

- sign 1133.209+/-0.158 $\chi^2$/NDF: 36600.3/42

# asym_usl_correction_mean vs Slug




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

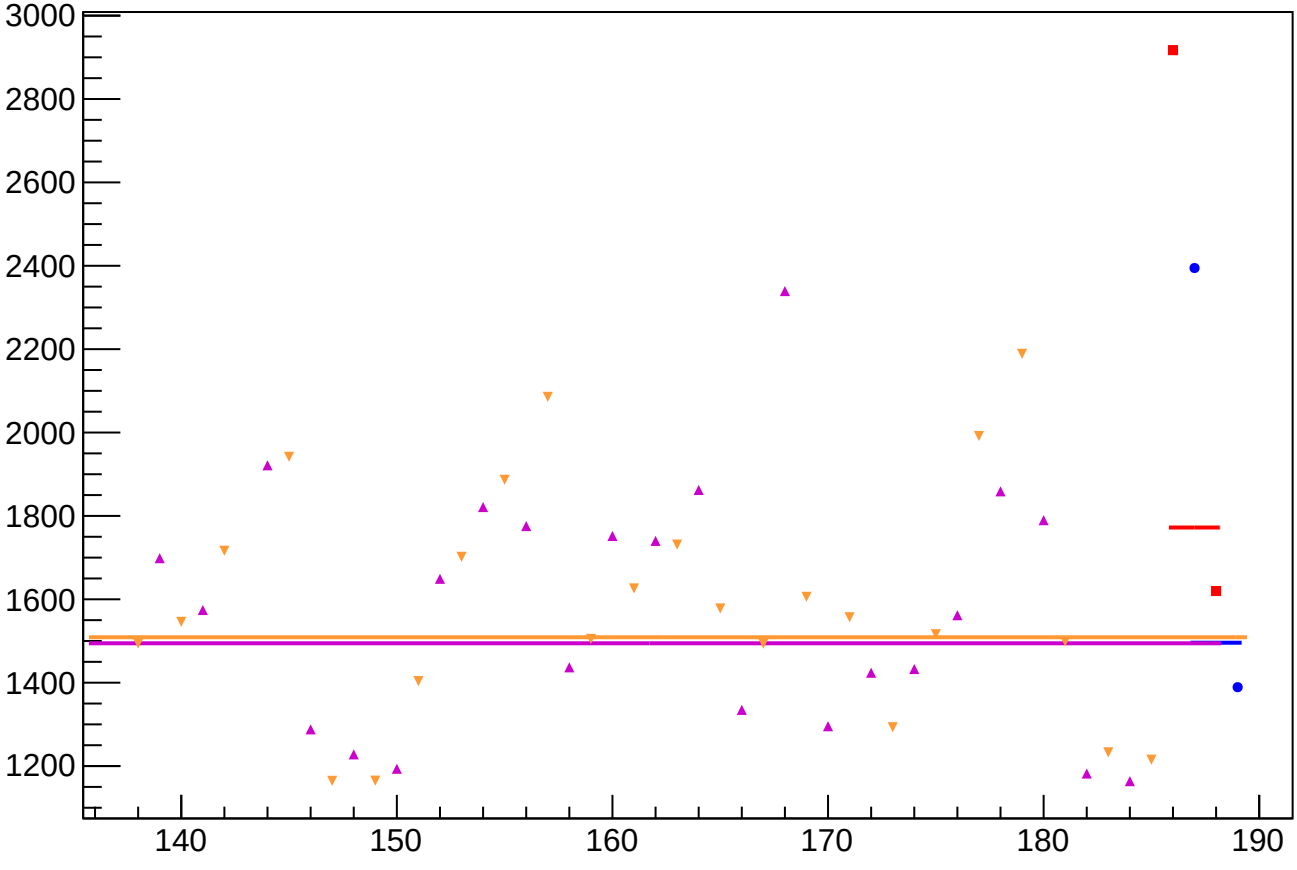
Left In: -21.419+/-362.476 $\chi^2$/NDF:12.8/22

+ sign -801.373+/-360.163 $\chi^2$/NDF: 40.3/25

All: -310.576+/-252.676 $\chi^2$/NDF: 63.9/50

- sign 165.123+/-354.580 $\chi^2$/NDF: 20.0/24

# asym_usl_correction_rms vs Slug




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

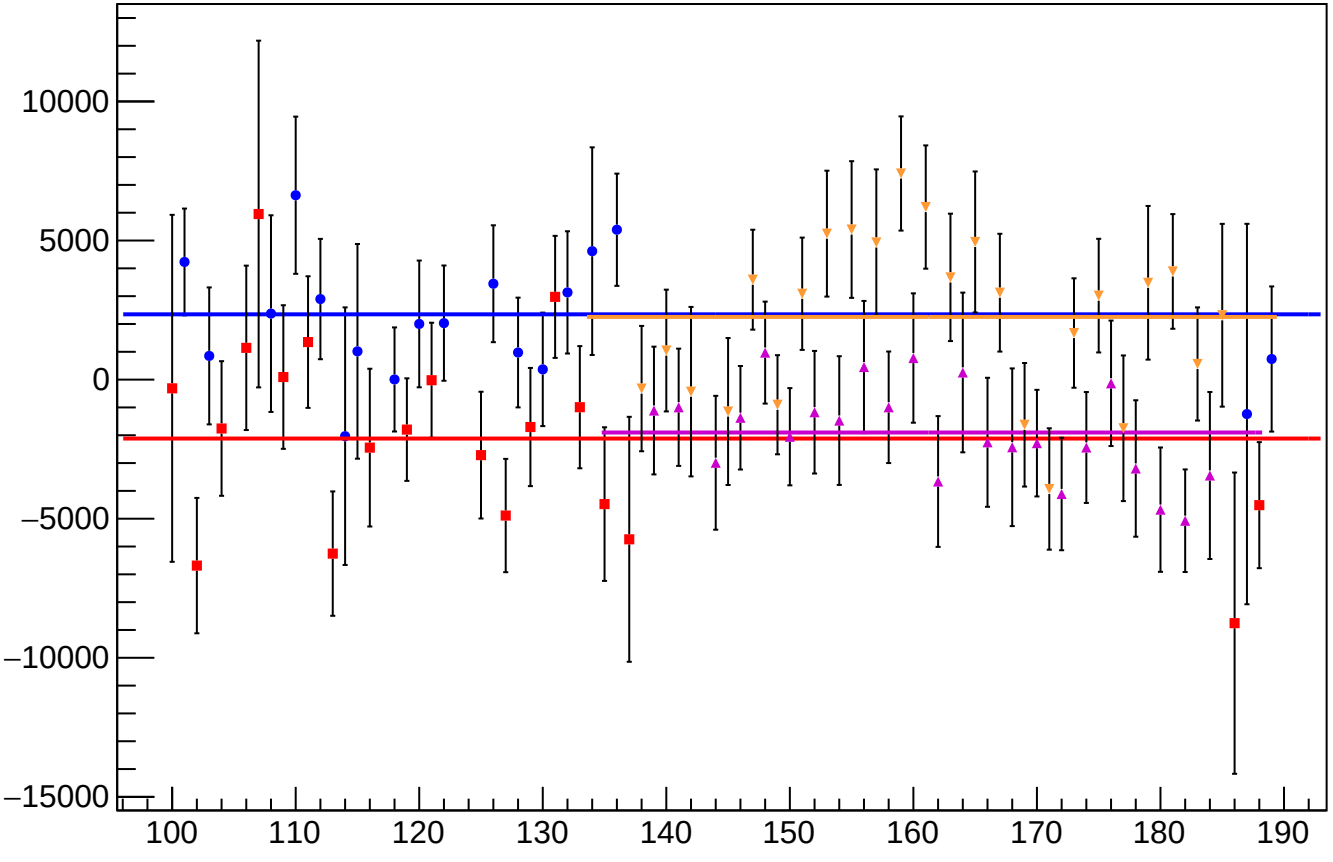
Left In: 1494.507+/-0.256 $\chi^2$/NDF:1096280.5/22

+ sign 1508.571+/-0.255 $\chi^2$/NDF: 1036188.8/25

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

- sign 1506.474+/-0.251 $\chi^2$/NDF: 1266415.9/24

# asym_usl_mean vs Slug




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

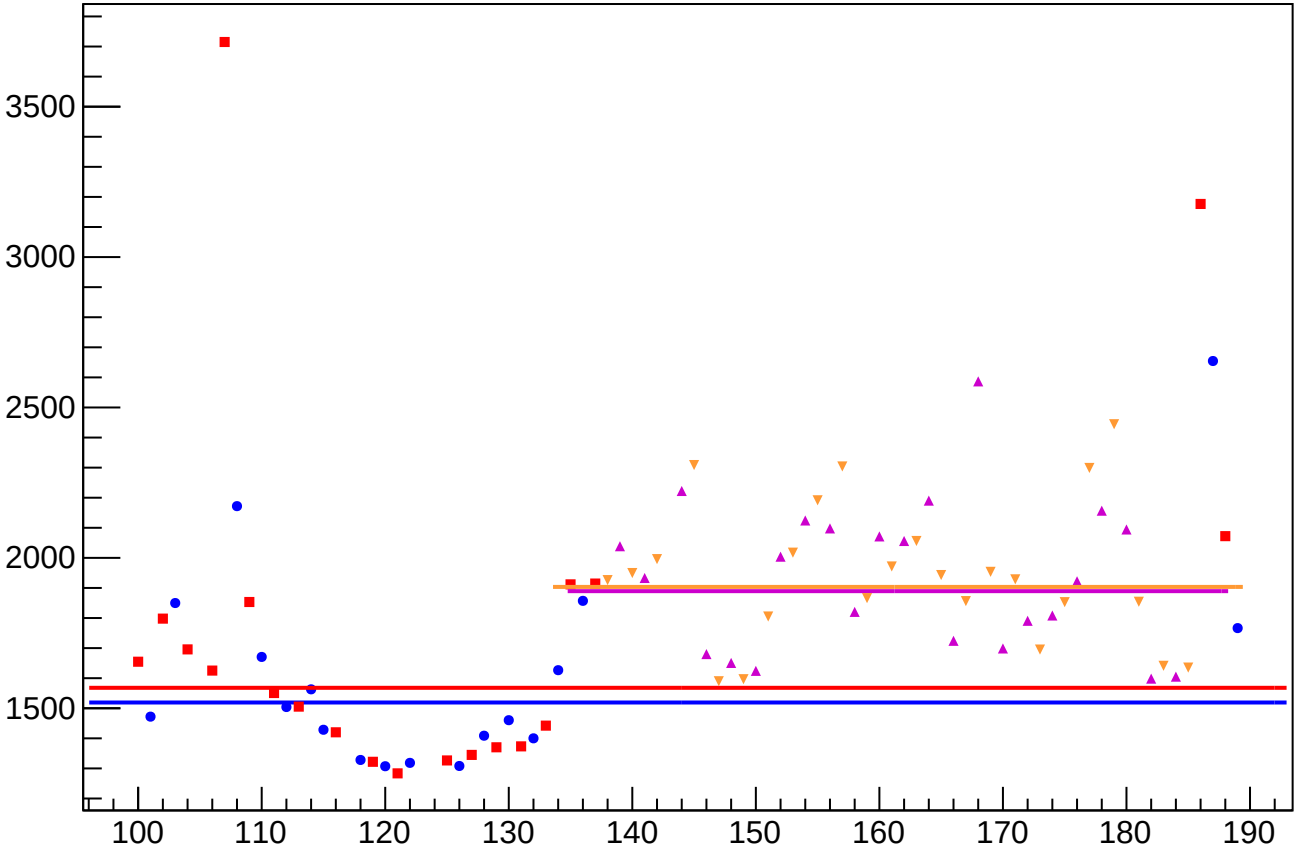
Left In: -1901.797+/-453.879 $\chi^2$/NDF:13.9/22

+ sign 2290.445+/-355.824 $\chi^2$/NDF: 50.1/41

All: 134.723+/-250.614 $\chi^2$/NDF: 162.4/84

- sign -1987.362+/-353.037 $\chi^2$/NDF: 39.5/42

# asym_usl_rms vs Slug




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

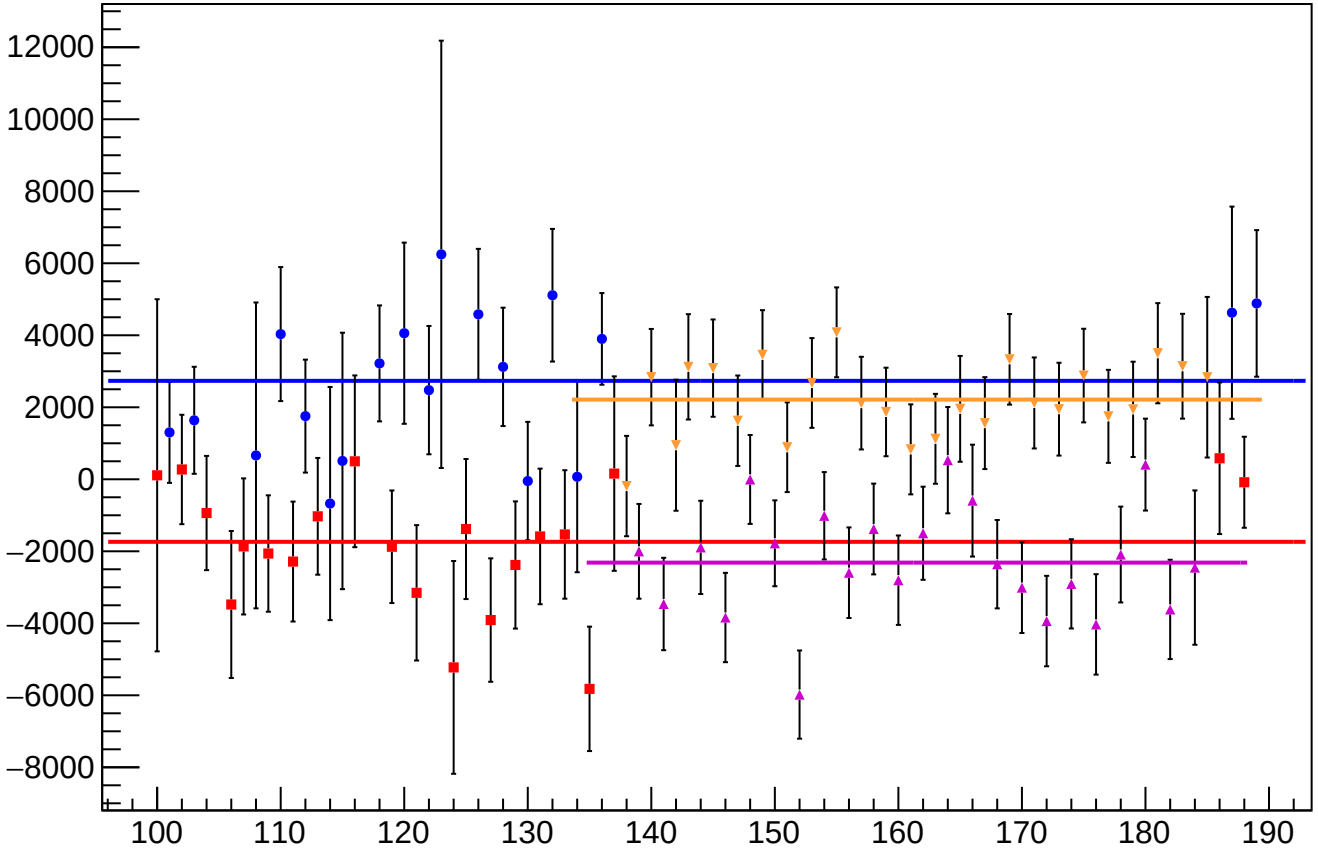
Left In: 1889.326+/-0.321 $\chi^2$/NDF:508648.5/22

+ sign 1752.763+/-0.252 $\chi^2$/NDF: 1352349.1/41

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

- sign 1762.412+/-0.250 $\chi^2$/NDF: 1676582.3/42

# dit_asym_usr_mean vs Slug




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

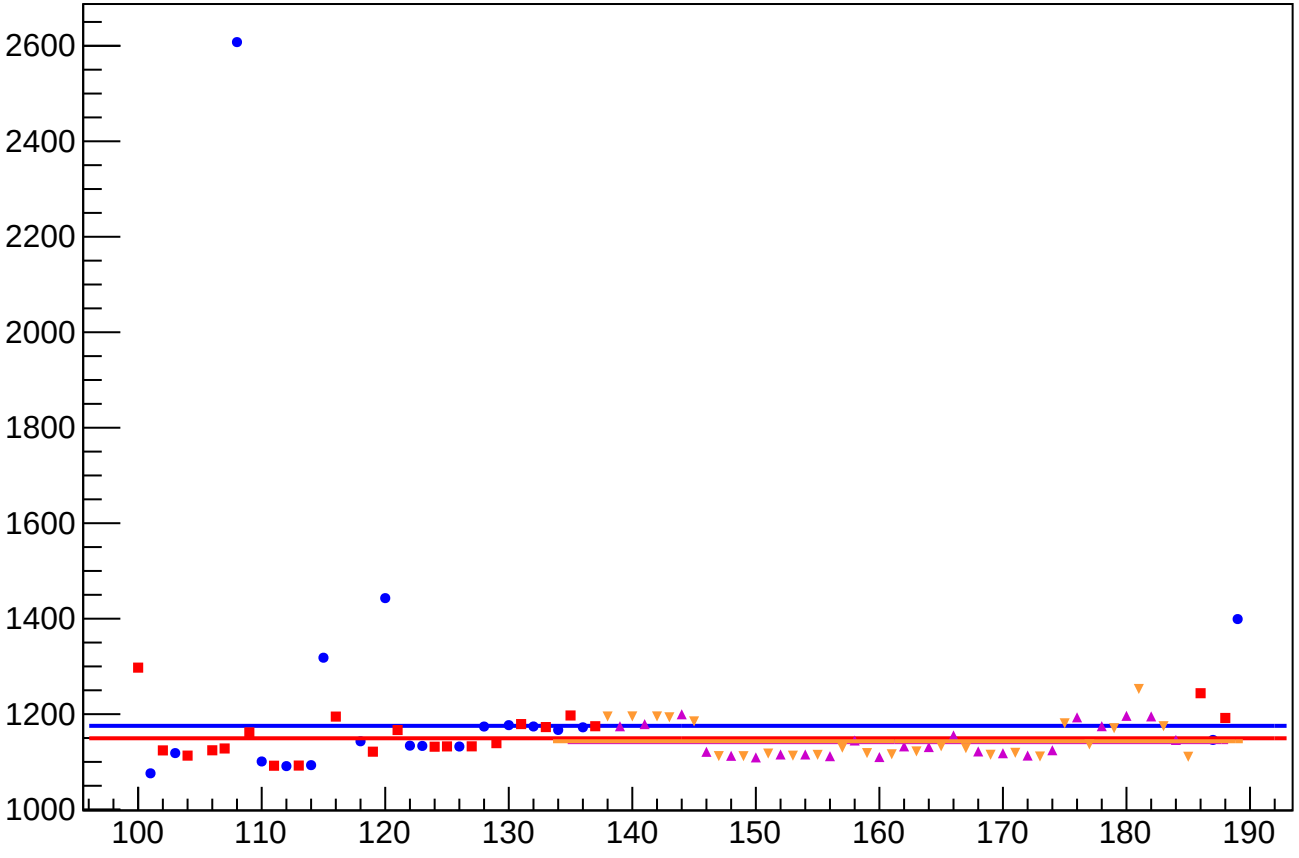
Left In: -2314.778+/-271.873 $\chi^2$/NDF:31.6/22

+ sign 2354.642+/-227.856 $\chi^2$/NDF: 29.1/43

All: 77.178+/-159.858 $\chi^2$/NDF: 275.8/87

- sign -2130.369+/-224.332 $\chi^2$/NDF: 49.9/43

# dit_asym_usr_rms vs Slug




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

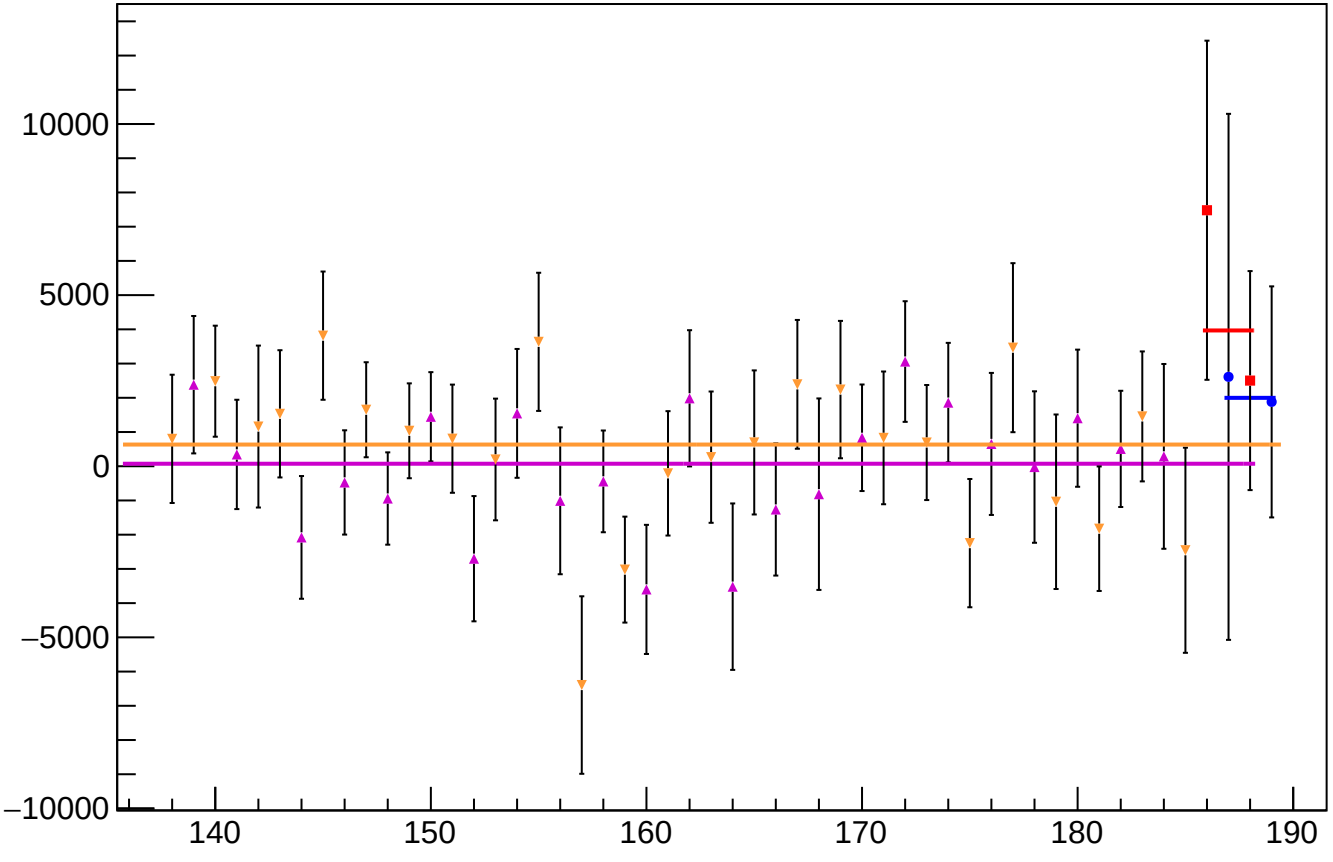
Left In: 1141.363+/-0.192 $\chi^2$/NDF:28014.9/22

+ sign 1152.007+/-0.161 $\chi^2$/NDF: 351381.5/43

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

- sign 1143.954+/-0.159 $\chi^2$/NDF: 48425.4/43

# asym_usr_correction_mean vs Slug




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

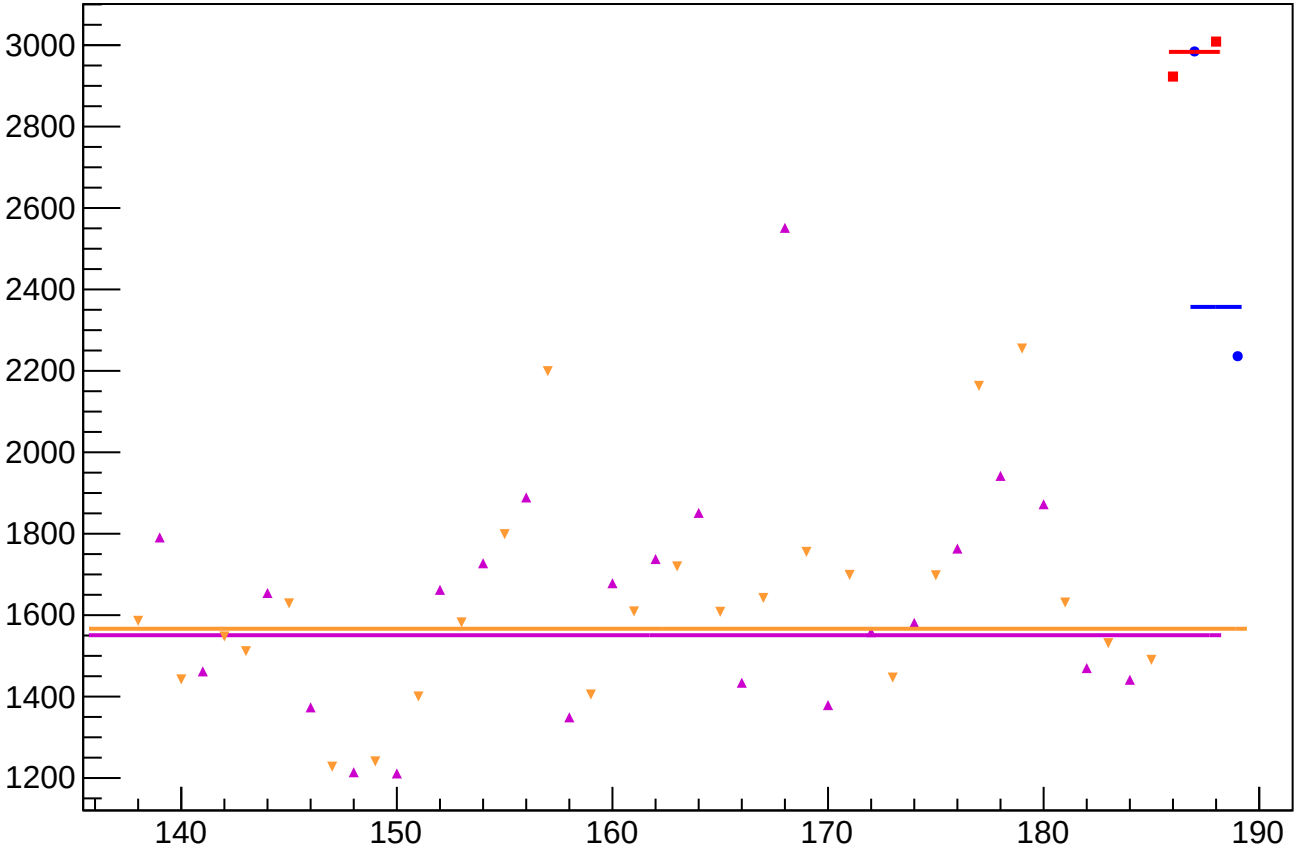
Left In: 72.962+/-375.277 $\chi^2$/NDF:20.1/22

+ sign 653.228+/-369.270 $\chi^2$/NDF: 29.5/26

All: 401.966+/-261.959 $\chi^2$/NDF: 53.3/51

- sign 147.423+/-371.673 $\chi^2$/NDF: 22.9/24

# asym_usr_correction_rms vs Slug




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

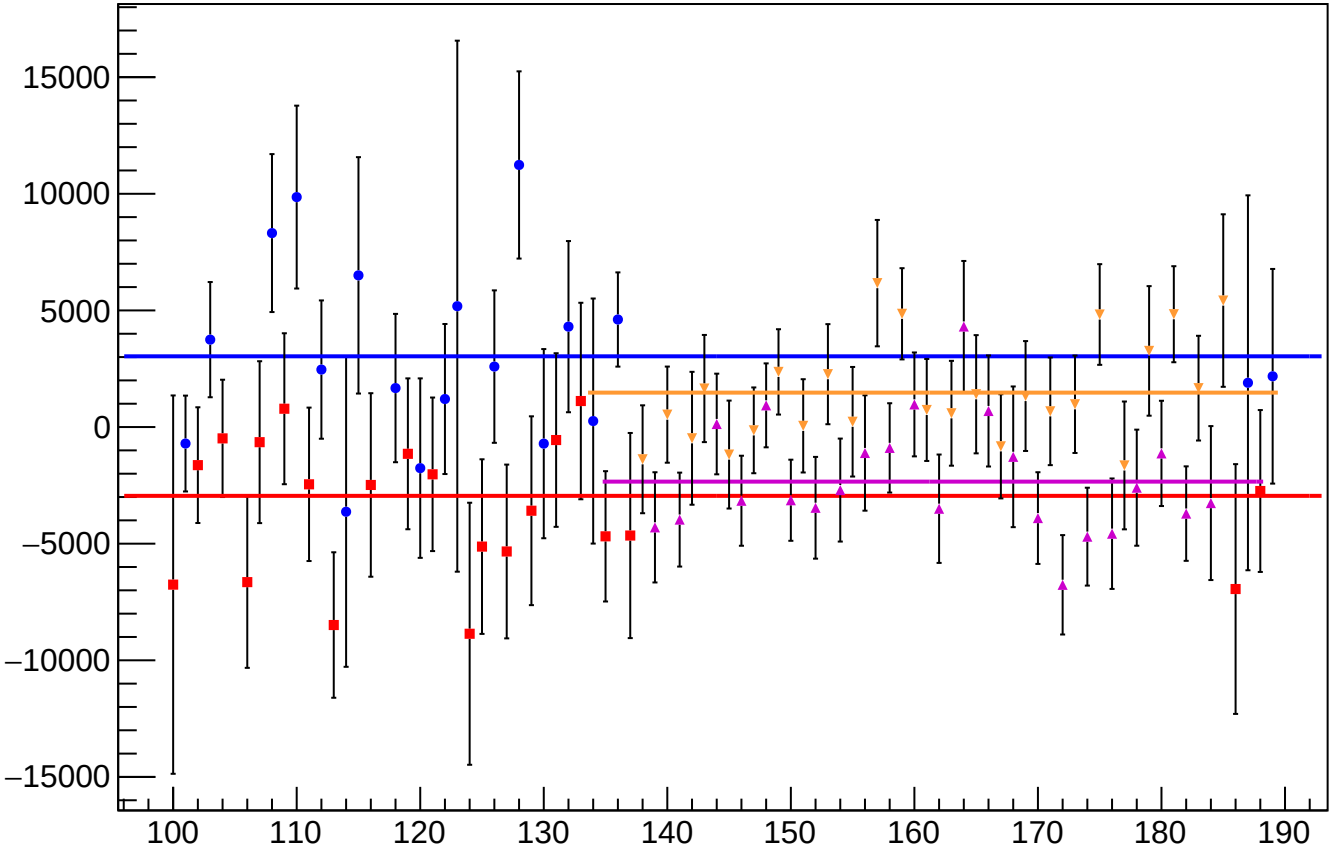
Left In: 1550.750+/-0.265 $\chi^2$/NDF:928652.8/22

+ sign 1577.909+/-0.261 $\chi^2$/NDF: 911801.7/26

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

- sign 1578.141+/-0.263 $\chi^2$/NDF: 1486382.9/24

# asym_usr_mean vs Slug




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

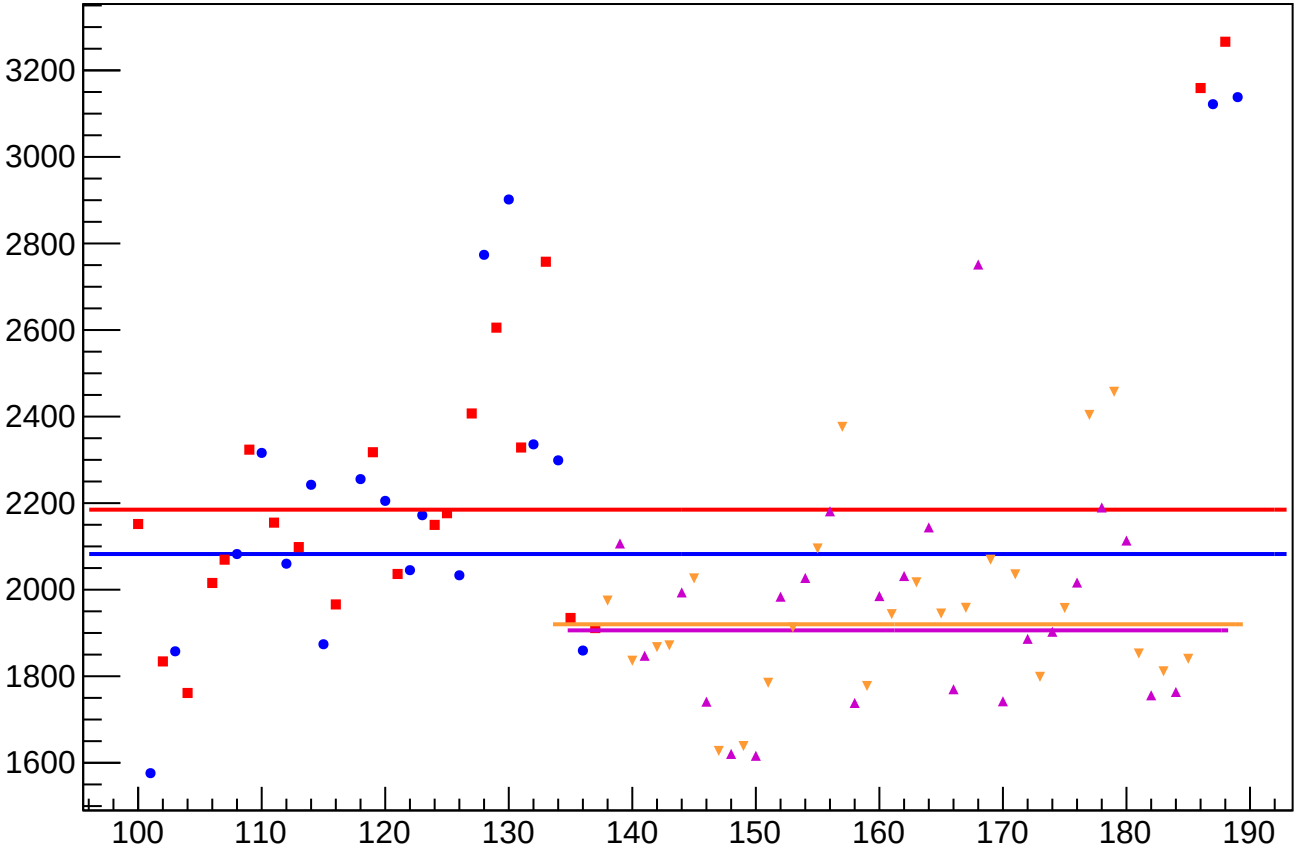
Left In: -2339.905+/-457.448 $\chi^2$/NDF:25.2/22

+ sign 1864.485+/-390.944 $\chi^2$/NDF: 42.5/43

All: -306.728+/-277.133 $\chi^2$/NDF: 142.3/87

- sign -2499.860+/-392.913 $\chi^2$/NDF: 37.8/43

# asym_usr_rms vs Slug




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

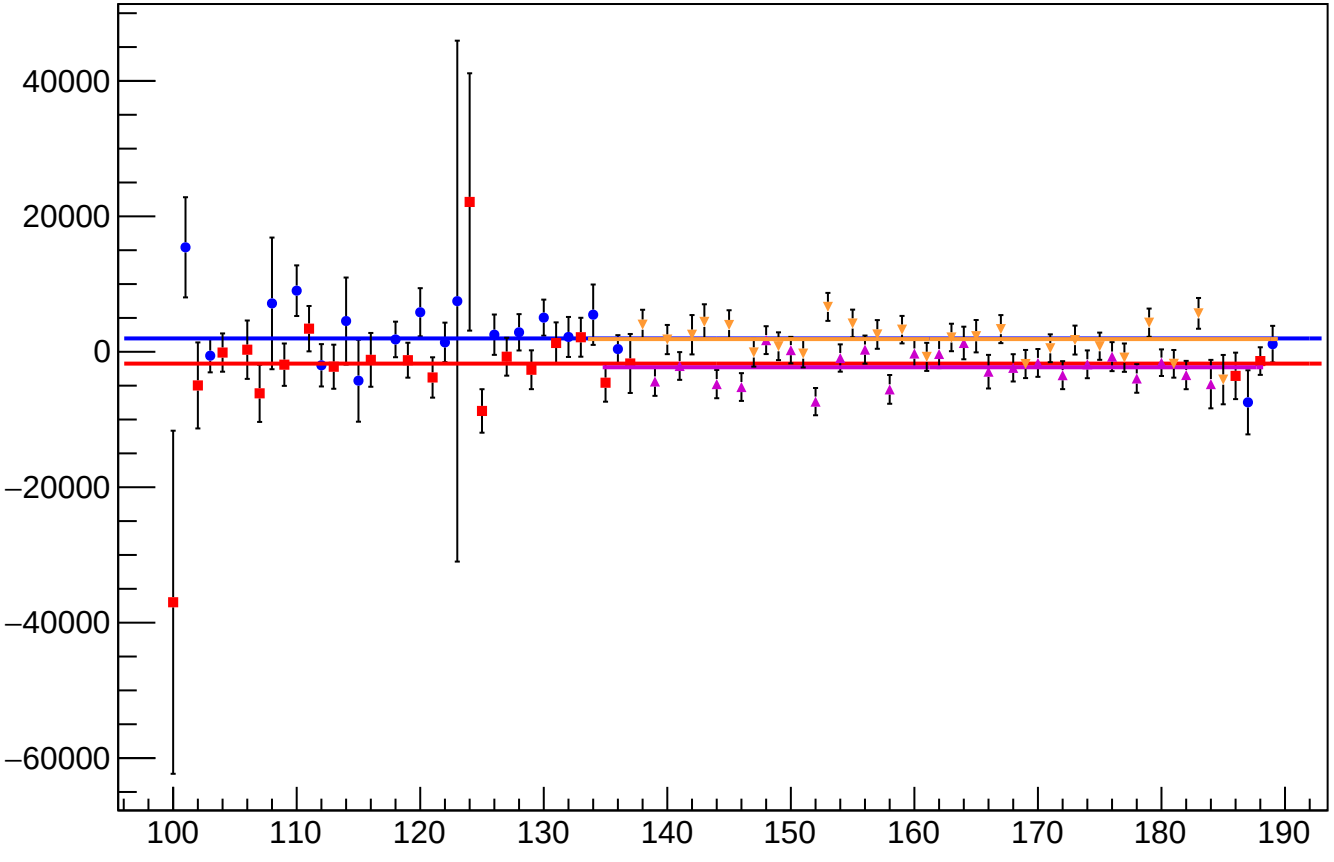
Left In: 1906.043+/-0.323 $\chi^2$/NDF:451054.7/22

+ sign 1960.622+/-0.276 $\chi^2$/NDF: 906134.9/43

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

- sign 1979.179+/-0.278 $\chi^2$/NDF: 1121171.0/43

# dit_asym_at1_avg_mean vs Slug




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

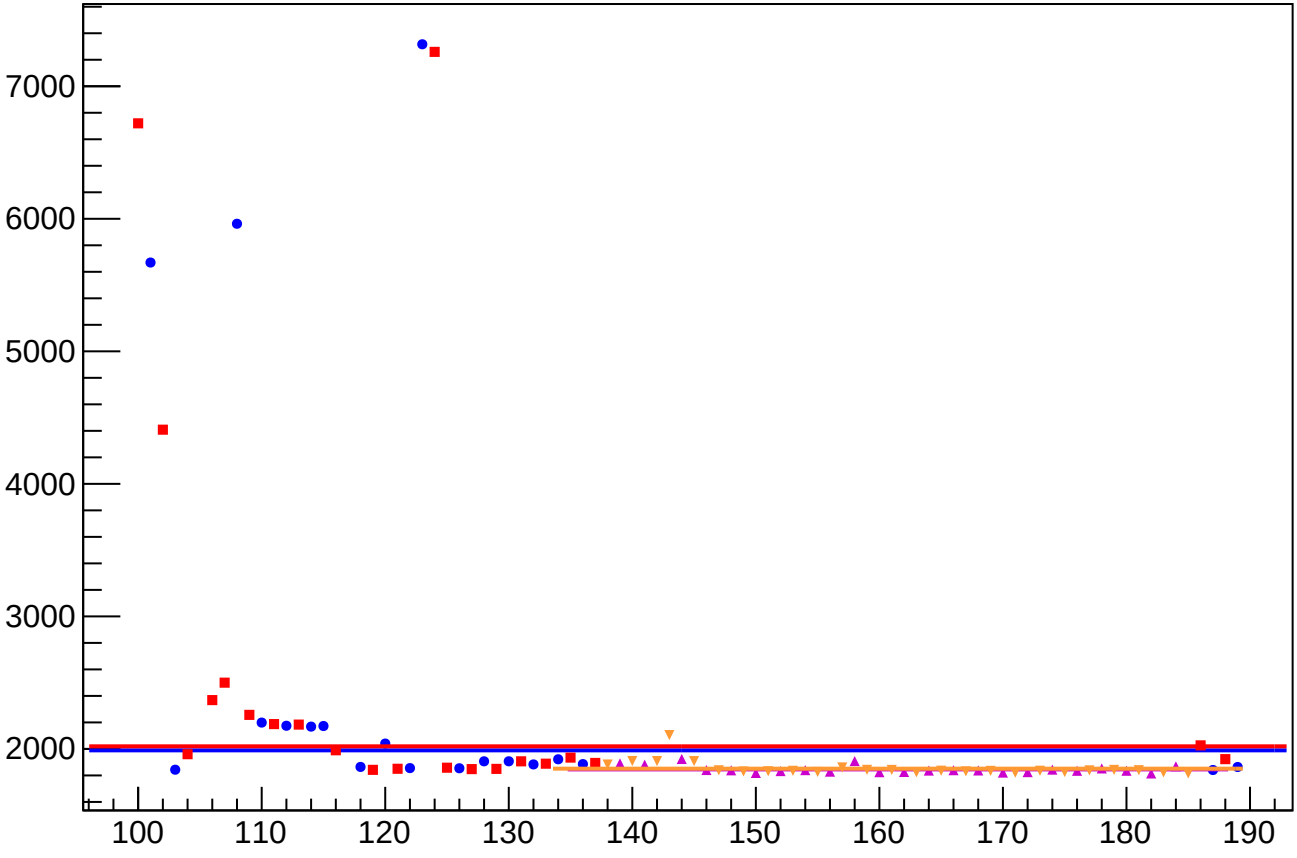
Left In: -2286.268+/-441.005 $\chi^2$/NDF:27.3/22

+ sign 1899.649+/-376.206 $\chi^2$/NDF: 49.1/43

All: -123.400+/-265.704 $\chi^2$/NDF: 152.0/87

- sign -2136.929+/-375.320 $\chi^2$/NDF: 45.2/43

# dit_asym_at1_avg_rms vs Slug




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

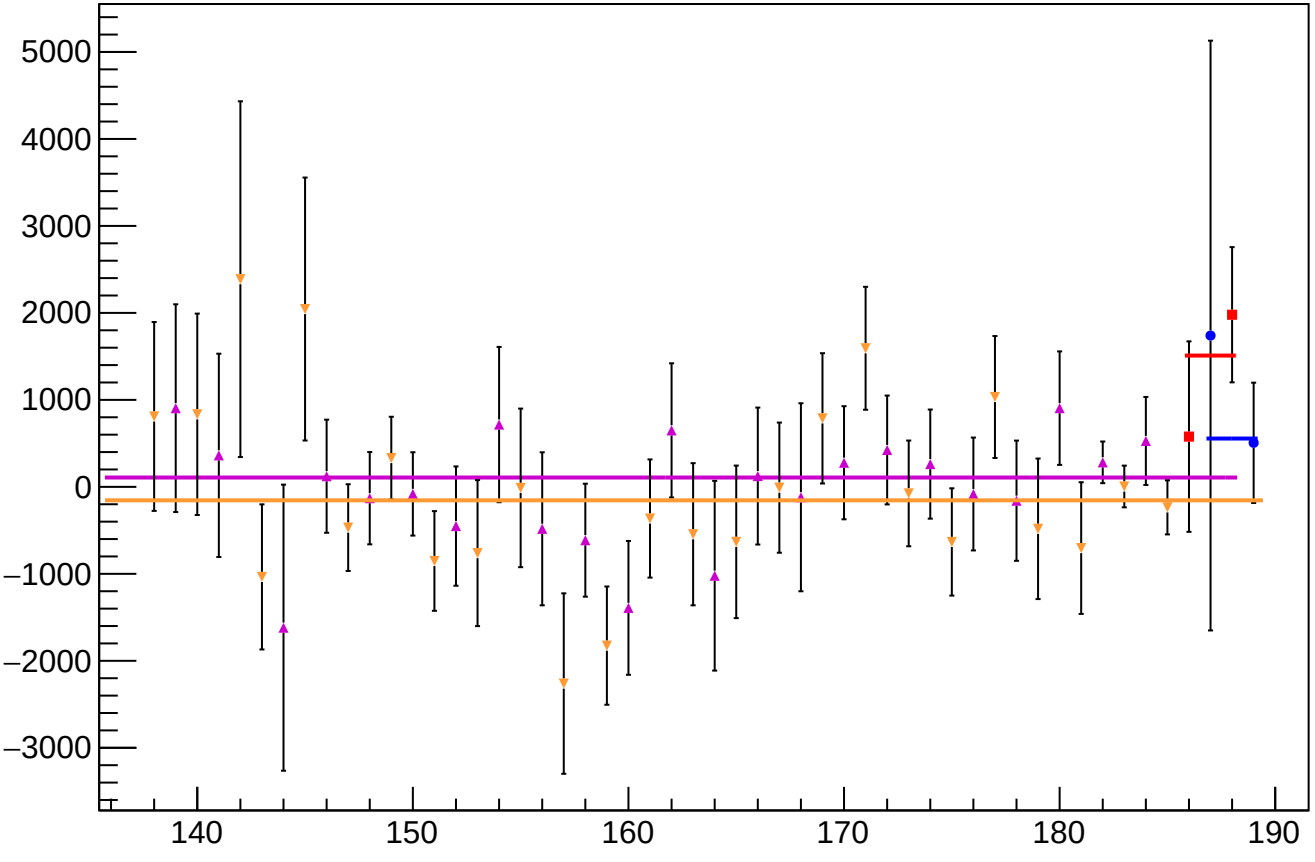
Left In: 1845.411+/-0.312 $\chi^2$/NDF:8318.8/22

+ sign 1885.064+/-0.266 $\chi^2$/NDF: 999336.0/43

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

- sign 1893.441+/-0.265 $\chi^2$/NDF: 710505.0/43

# asym_at1_avg_correction_mean vs Slug




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

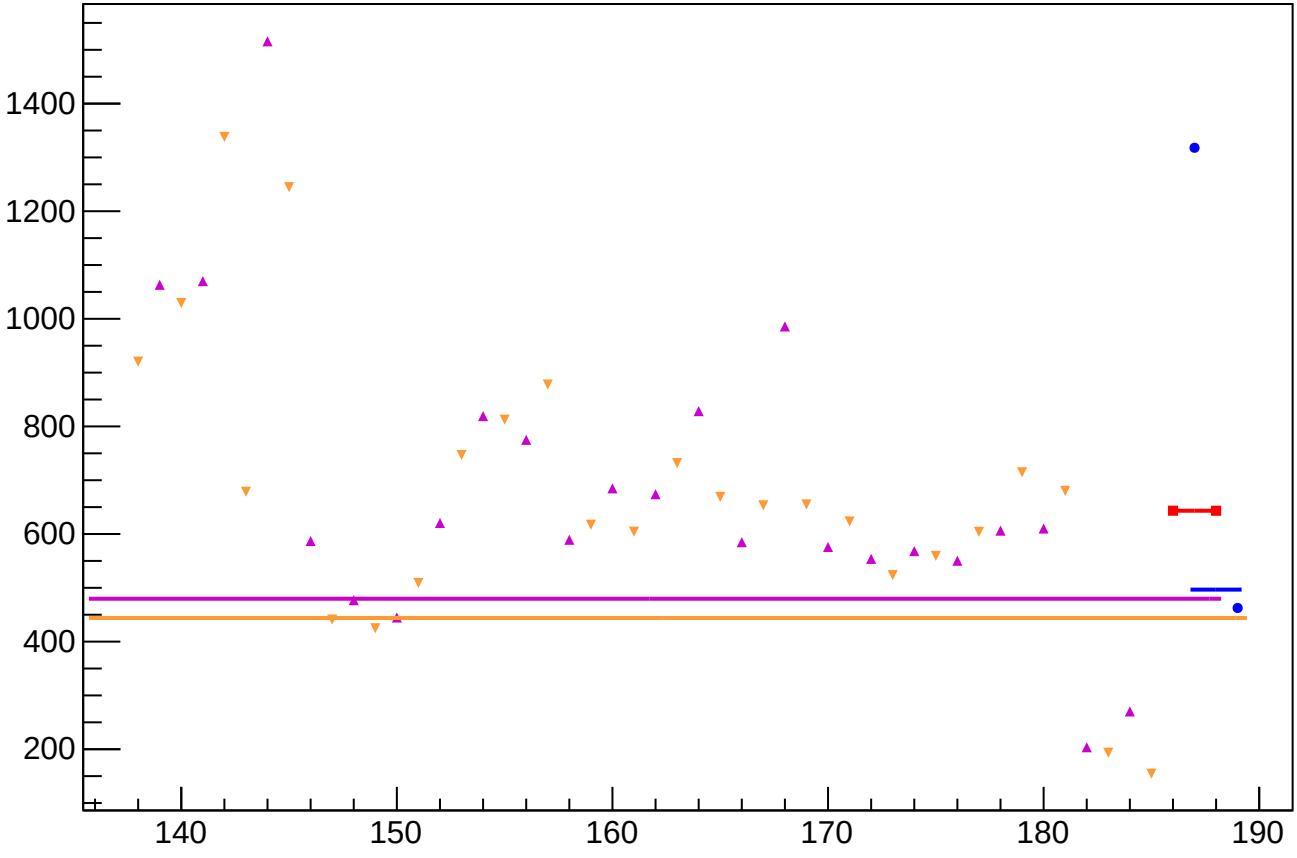
Left In: 107.387+/-127.580 $\chi^2$/NDF:13.5/22

+ sign -133.354+/-117.830 $\chi^2$/NDF: 34.2/26

All: 5.519+/-85.764 $\chi^2$/NDF: 56.4/51

- sign 161.984+/-125.071 $\chi^2$/NDF: 19.3/24

# asym_at1_avg_correction_rms vs Slug




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

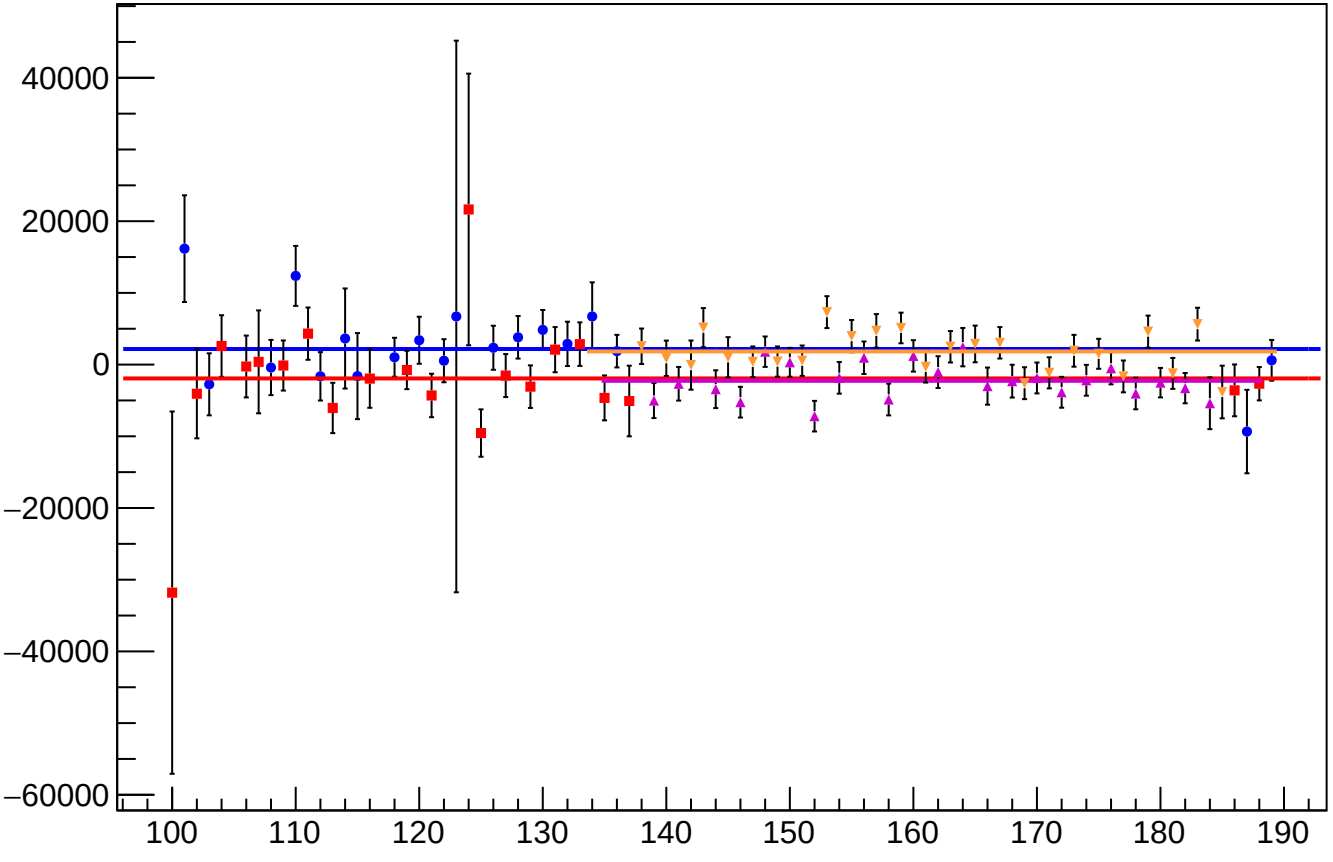
Left In: 479.723+/-0.090 $\chi^2$/NDF:6734597.7/22

+ sign 445.556+/-0.083 $\chi^2$/NDF: 8707110.5/26

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

- sign 486.092+/-0.088 $\chi^2$/NDF: 6862604.9/24

# asym_at1_avg_mean vs Slug




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

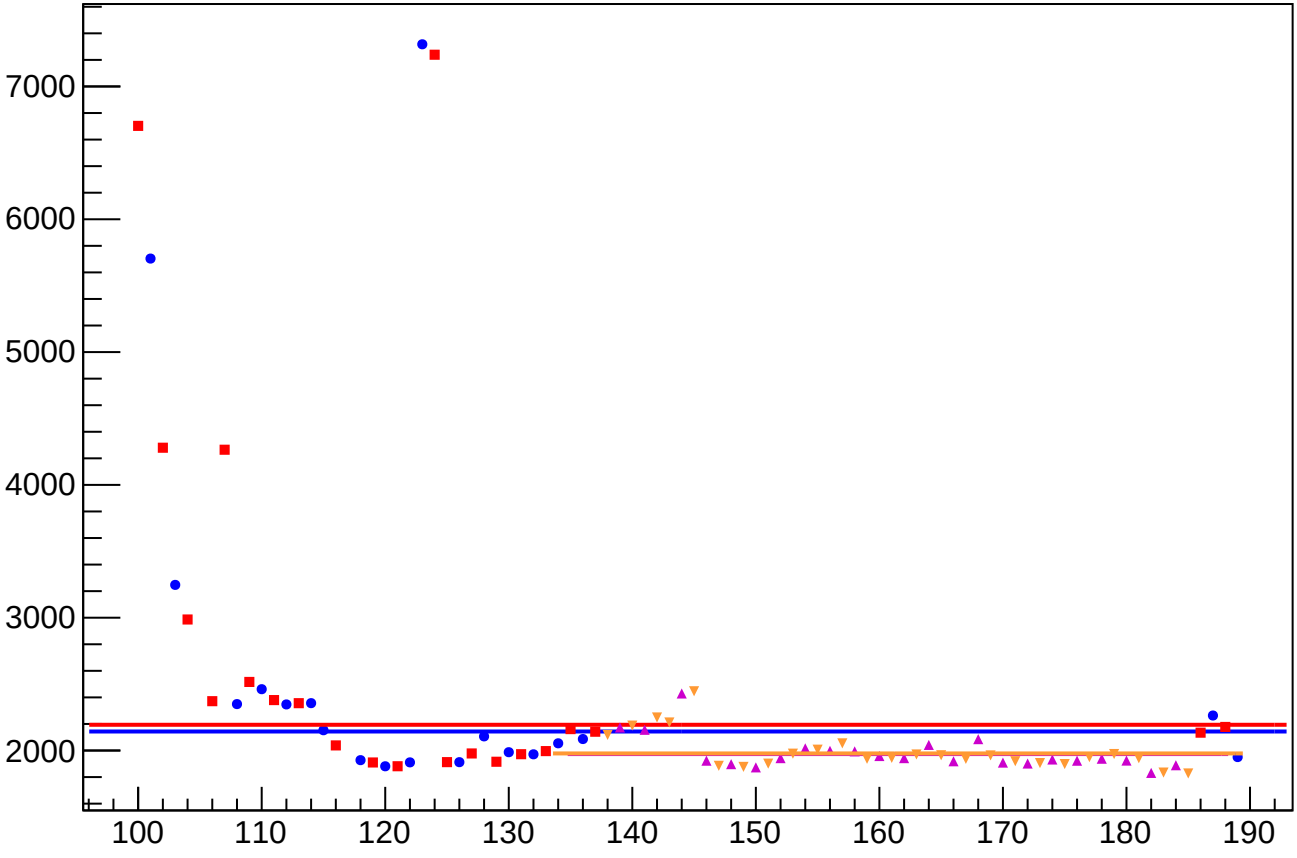
Left In: -2260.178+/-472.324 $\chi^2$/NDF:26.3/22

+ sign 1918.302+/-402.671 $\chi^2$/NDF: 52.9/43

All: -118.550+/-285.304 $\chi^2$/NDF: 151.6/87

- sign -2171.862+/-404.295 $\chi^2$/NDF: 47.3/43

# asym_at1_avg_rms vs Slug




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

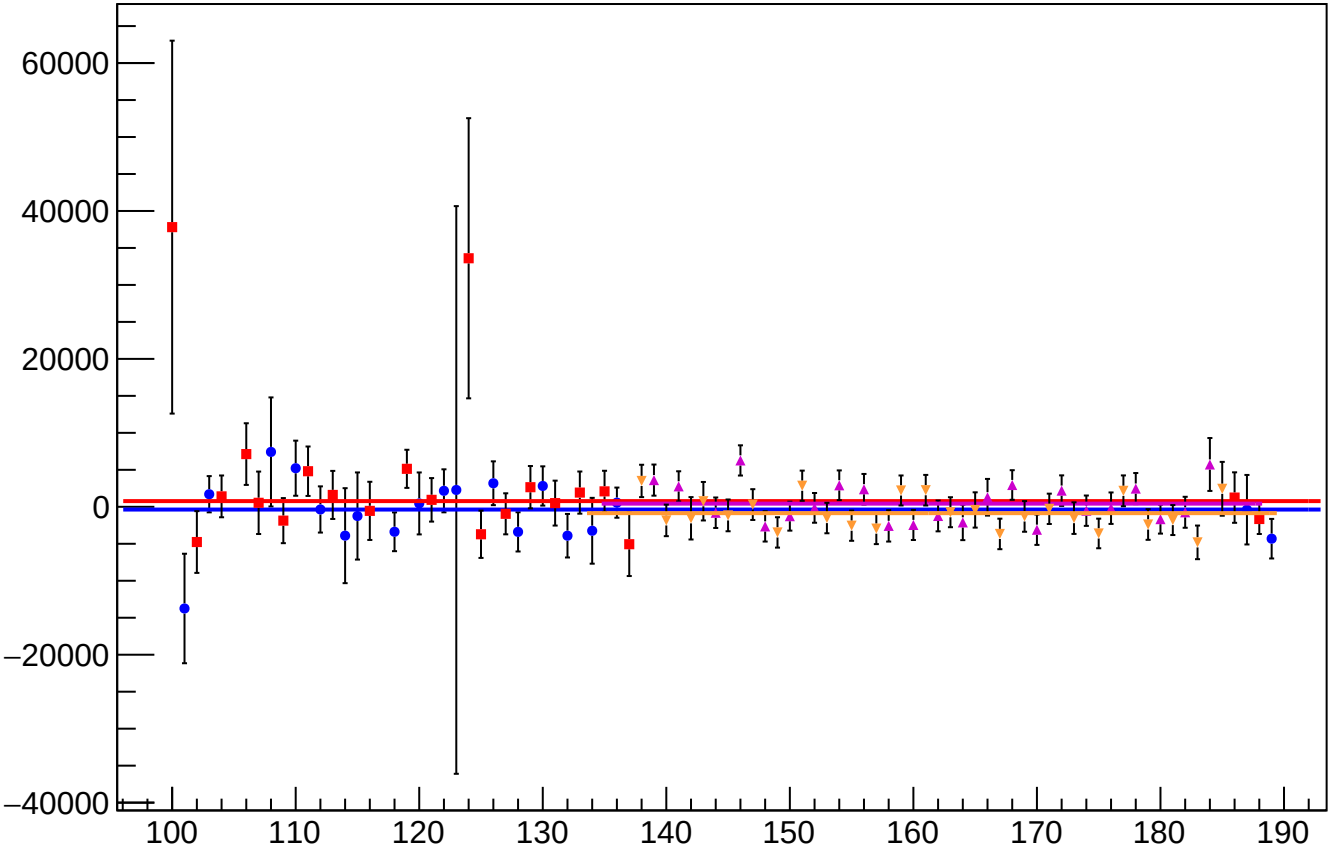
Left In: 1973.216+/-0.334 $\chi^2$/NDF:120479.3/22

+ sign 2018.706+/-0.285 $\chi^2$/NDF: 924682.7/43

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

- sign 2032.189+/-0.286 $\chi^2$/NDF: 1040858.3/43

# dit_asym_at1_dd_mean vs Slug




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

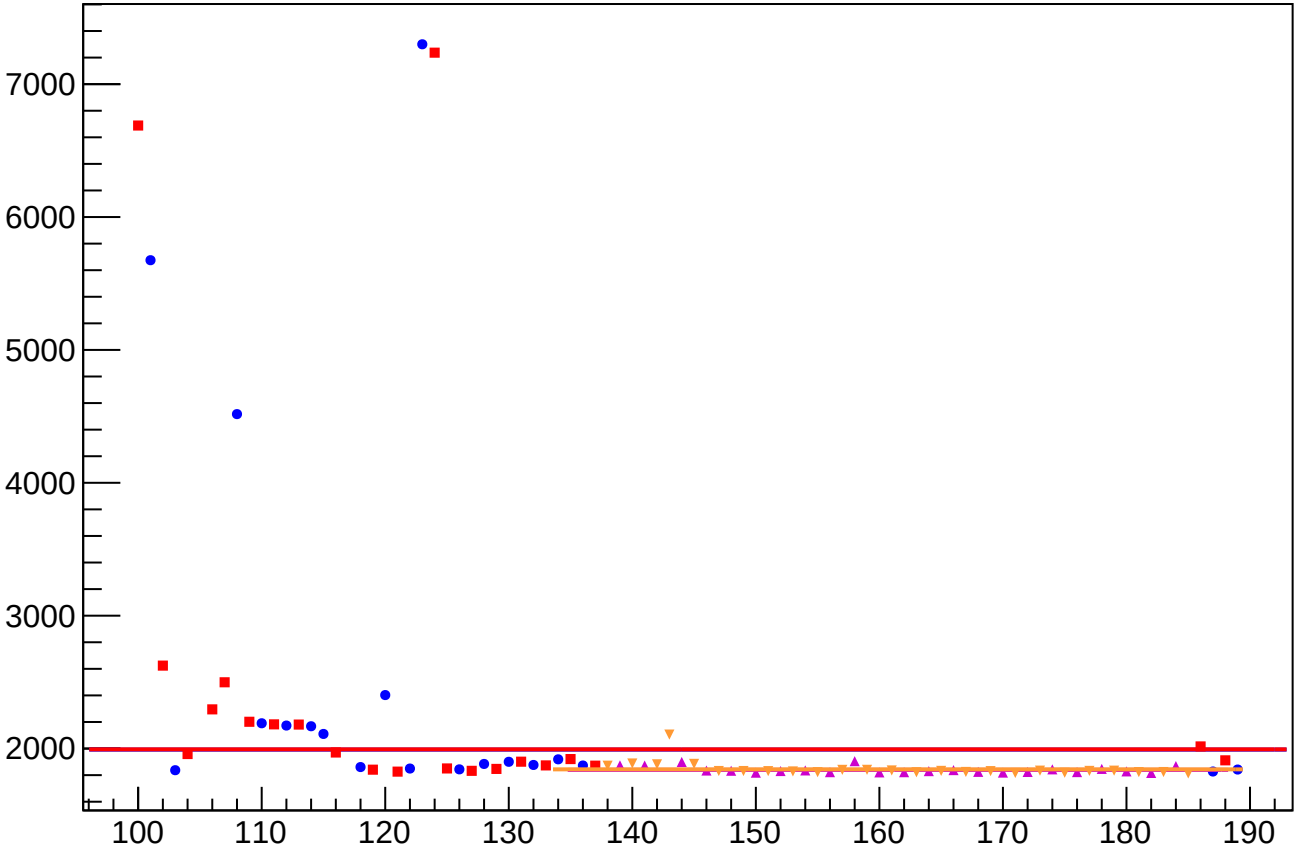
Left In: 427.682+/-439.561 $\chi^2$/NDF:33.7/22

+ sign -739.557+/-374.932 $\chi^2$/NDF: 45.4/43

All: -104.364+/-264.383 $\chi^2$/NDF: 106.0/87

- sign 523.847+/-372.866 $\chi^2$/NDF: 54.9/43

# dit_asym_at1_dd_rms vs Slug




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

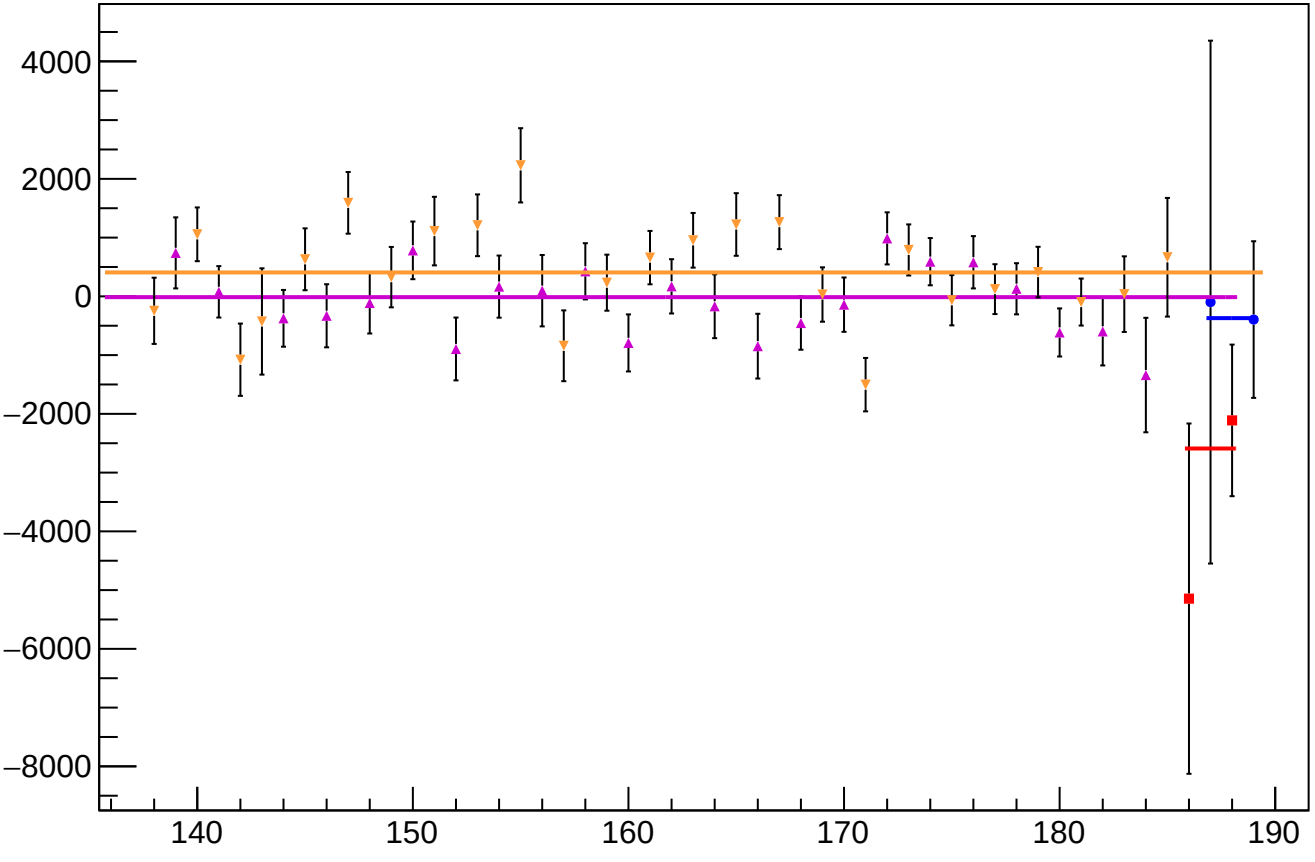
Left In: 1839.431+/-0.311 $\chi^2$/NDF:6418.5/22

+ sign 1879.899+/-0.265 $\chi^2$/NDF: 932506.3/43

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

- sign 1882.802+/-0.264 $\chi^2$/NDF: 447163.5/43

# asym_at1_dd_correction_mean vs Slug




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

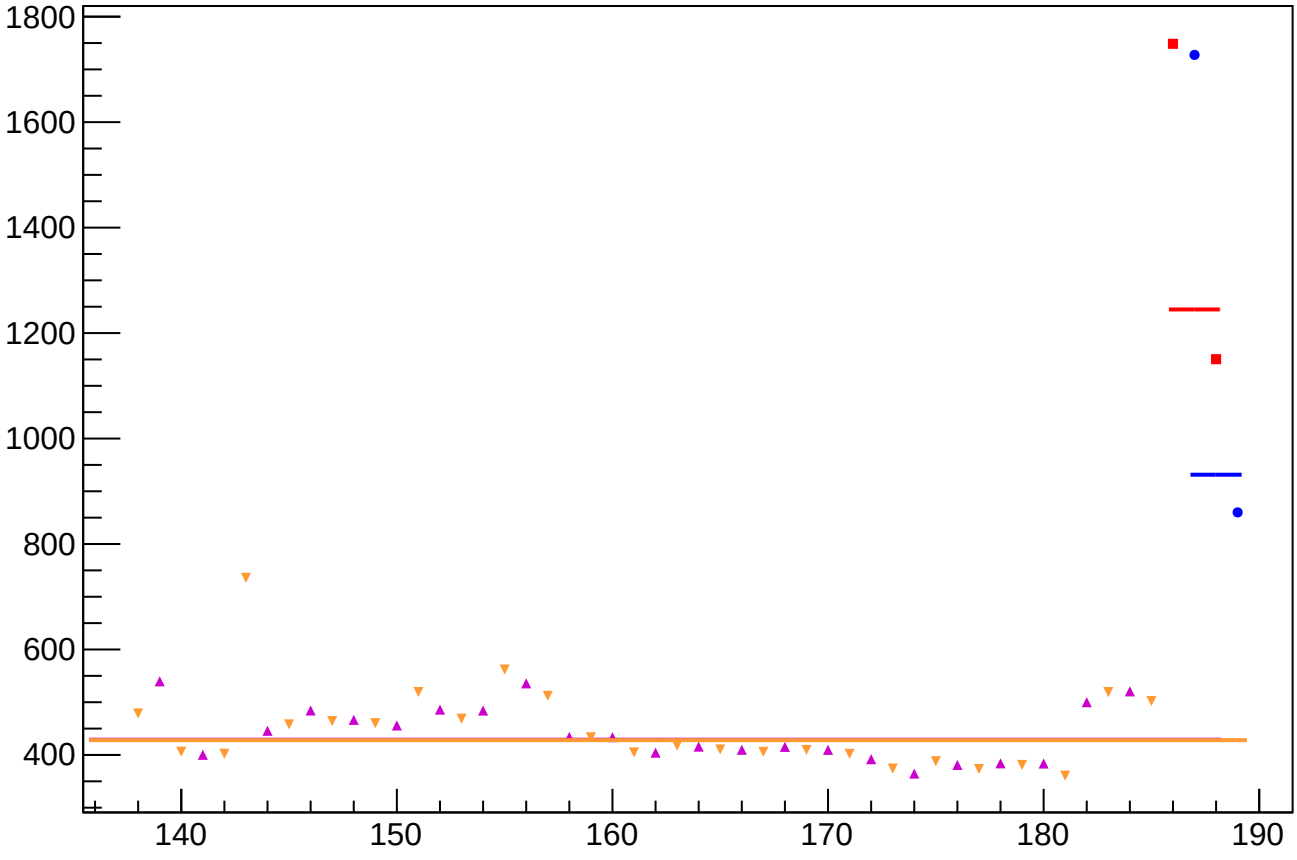
Left In: -13.395+/-102.912 $\chi^2$/NDF:29.2/22

+ sign 402.463+/-100.905 $\chi^2$/NDF: 62.5/26

All: 188.341+/-71.917 $\chi^2$/NDF: 106.5/51

- sign -32.716+/-102.526 $\chi^2$/NDF: 34.8/24

# asym_at1_dd_correction_rms vs Slug




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

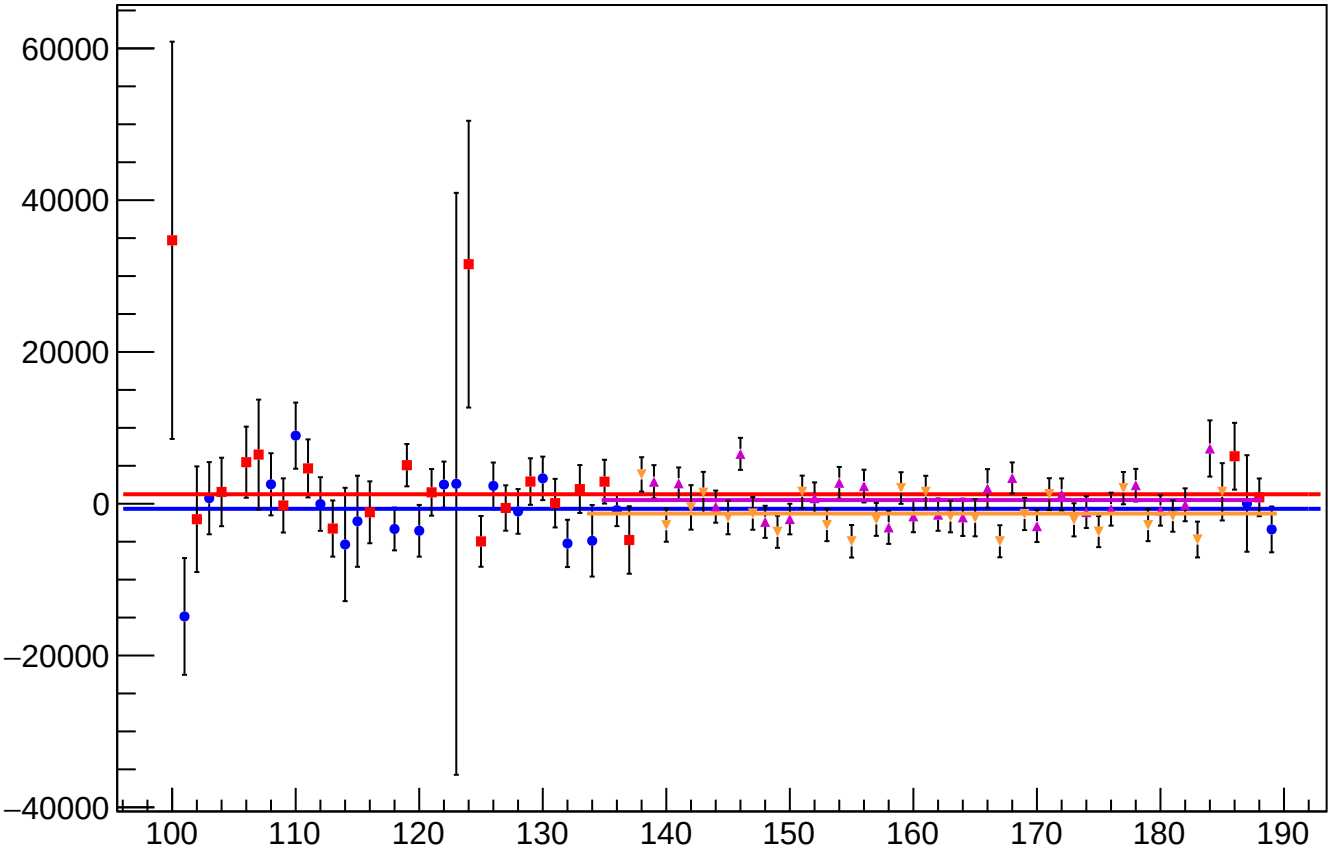
Left In: 428.926+/-0.073 $\chi^2$/NDF:418755.3/22

+ sign 431.195+/-0.071 $\chi^2$/NDF: 1083303.5/26

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

- sign 435.045+/-0.072 $\chi^2$/NDF: 1429244.6/24

# asym_at1_dd_mean vs Slug




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

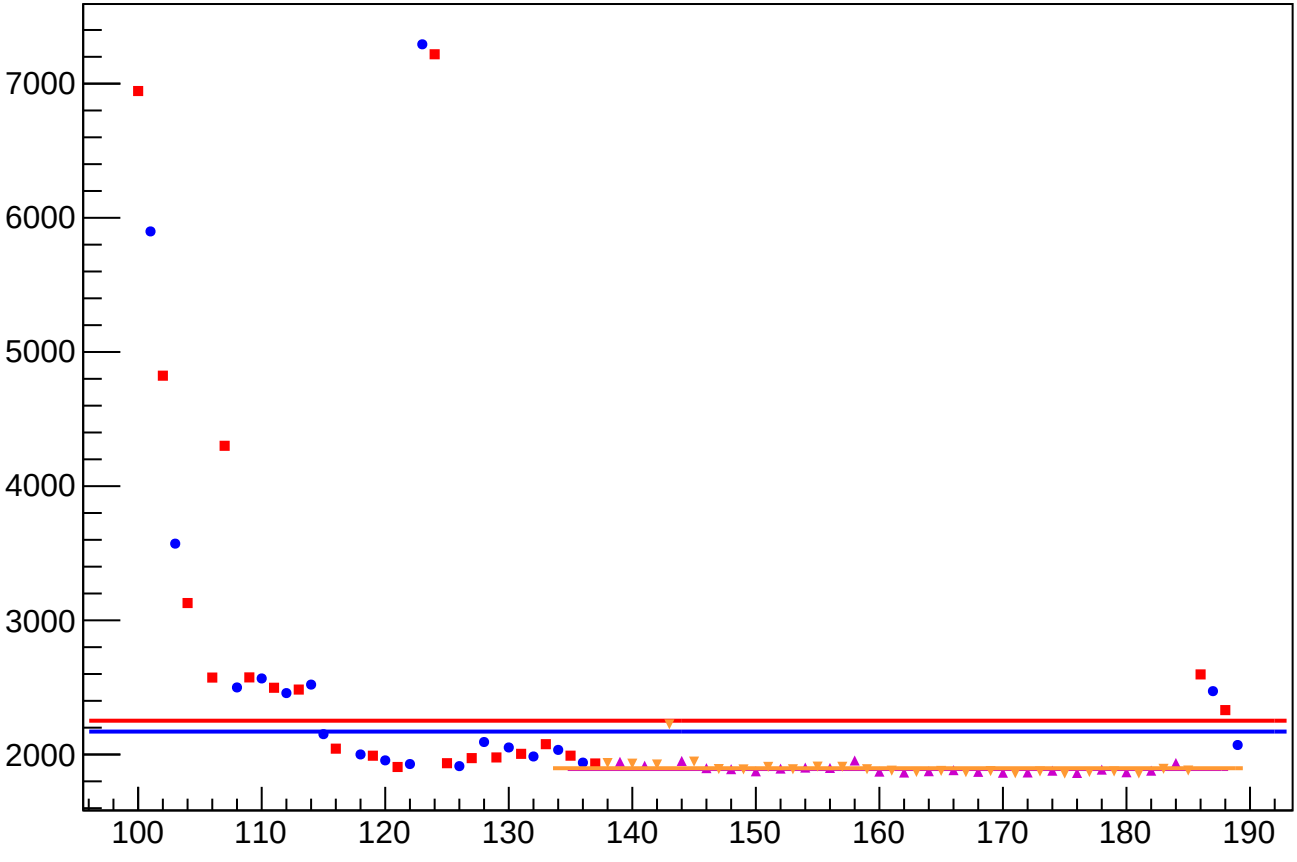
Left In: 485.827+/-452.020 $\chi^2$/NDF:32.4/22

+ sign -1153.450+/-391.039 $\chi^2$/NDF: 49.0/43

All: -249.473+/-277.593 $\chi^2$/NDF: 111.1/87

- sign 668.855+/-394.130 $\chi^2$/NDF: 51.3/43

# asym_at1_dd_rms vs Slug




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

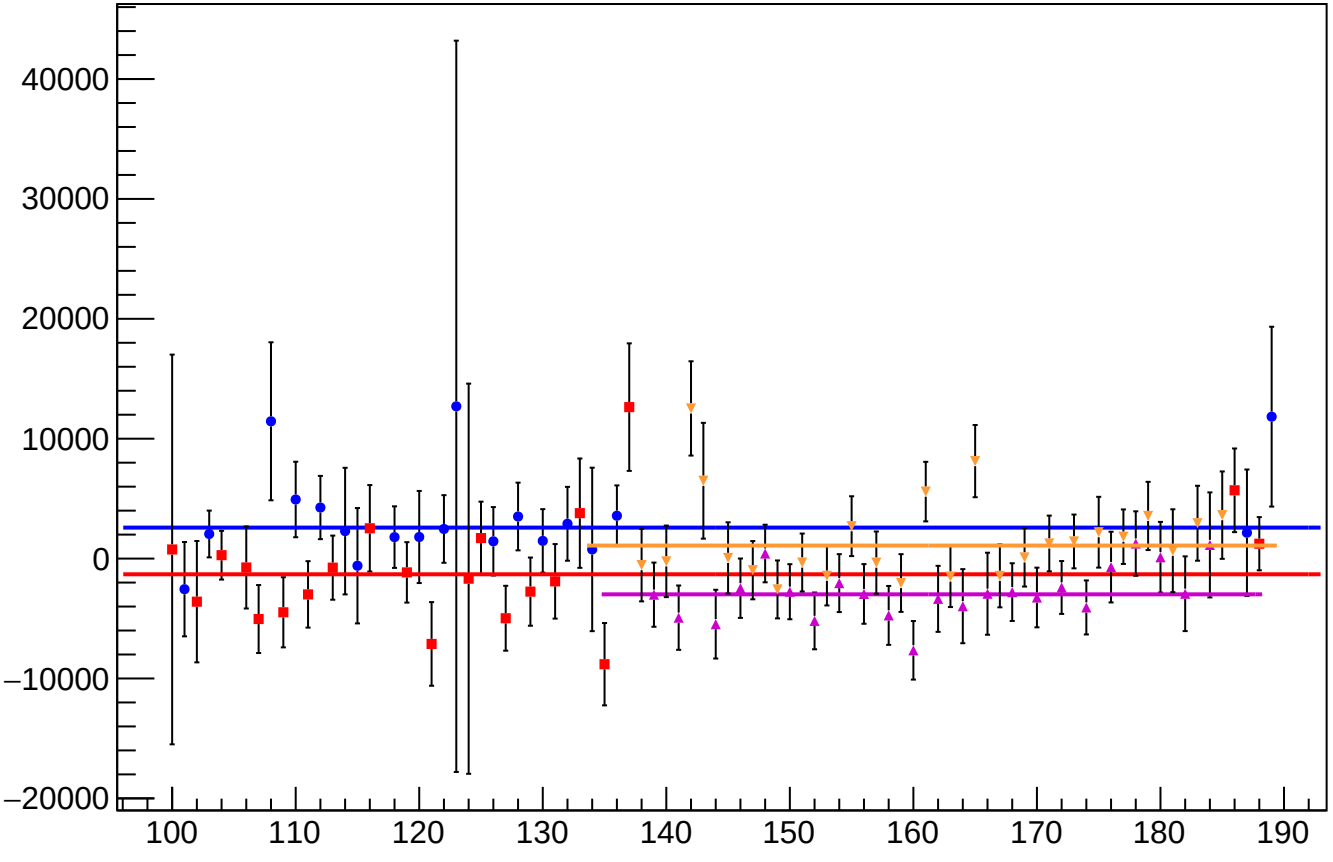
Left In: 1891.722+/-0.320 $\chi^2$/NDF:7584.2/22

+ sign 1959.105+/-0.277 $\chi^2$/NDF: 1017328.5/43

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

- sign 1978.072+/-0.279 $\chi^2$/NDF: 1223611.5/43

# dit_asym_at2_avg_mean vs Slug




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

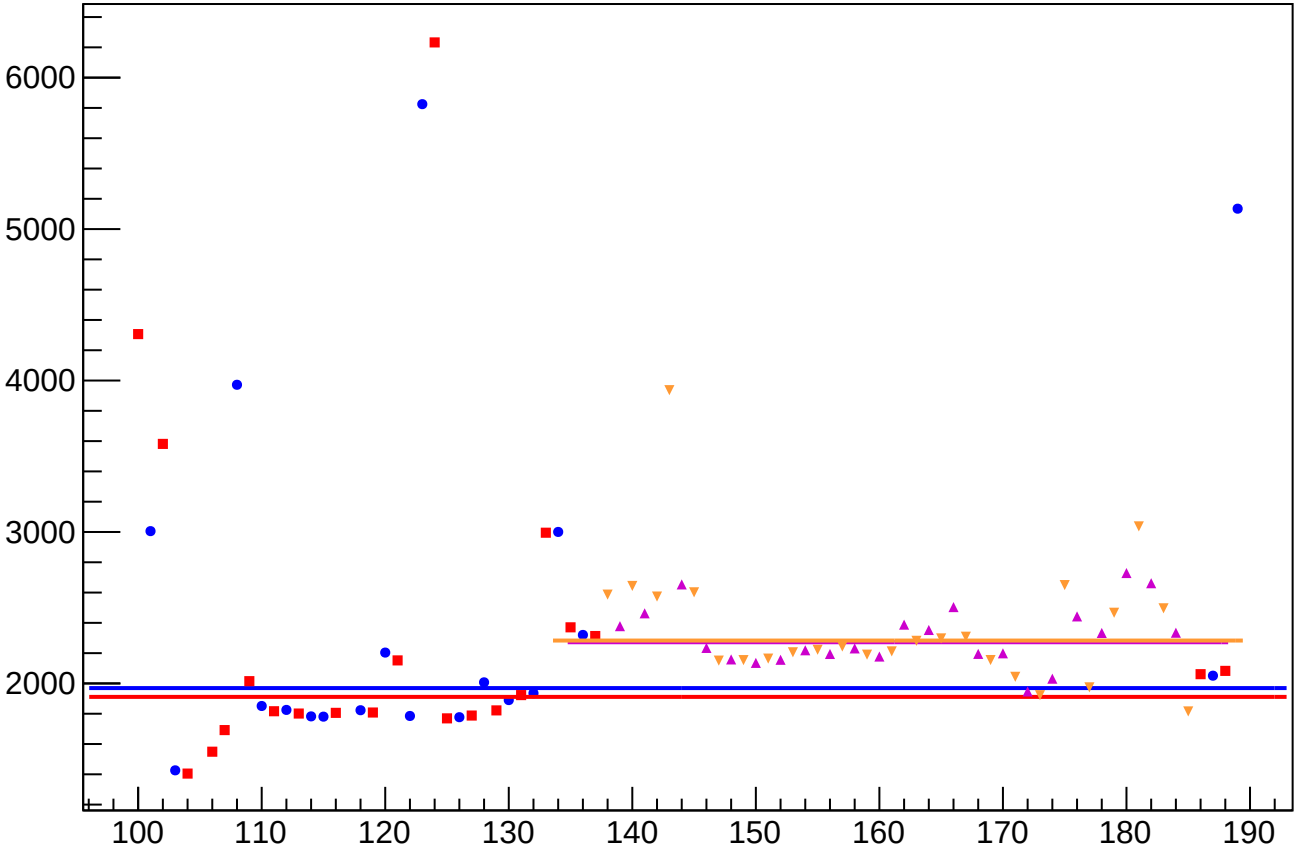
Left In: -2981.160+/-546.107 $\chi^2$/NDF:14.0/22

+ sign 1594.410+/-440.024 $\chi^2$/NDF: 39.9/43

All: -427.154+/-306.496 $\chi^2$/NDF: 128.0/87

- sign -2332.288+/-427.165 $\chi^2$/NDF: 47.1/43

# dit_asym_at2_avg_rms vs Slug




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

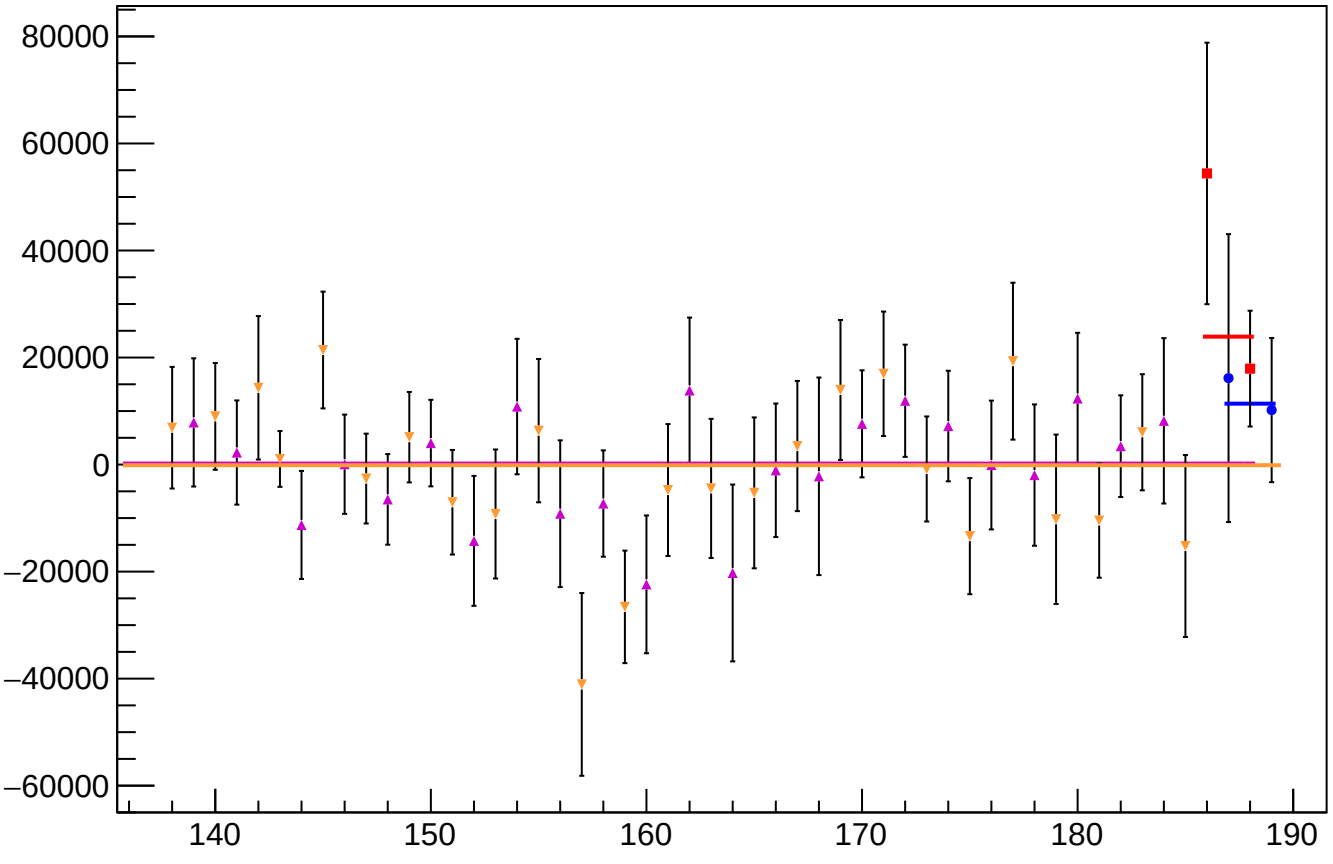
Left In: 2271.946+/-0.386 $\chi^2$/NDF:243546.3/22

+ sign 2176.991+/-0.311 $\chi^2$/NDF: 1861962.9/43

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

- sign 2131.873+/-0.302 $\chi^2$/NDF: 1352636.3/43

# asym_at2_avg_correction_mean vs Slug




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

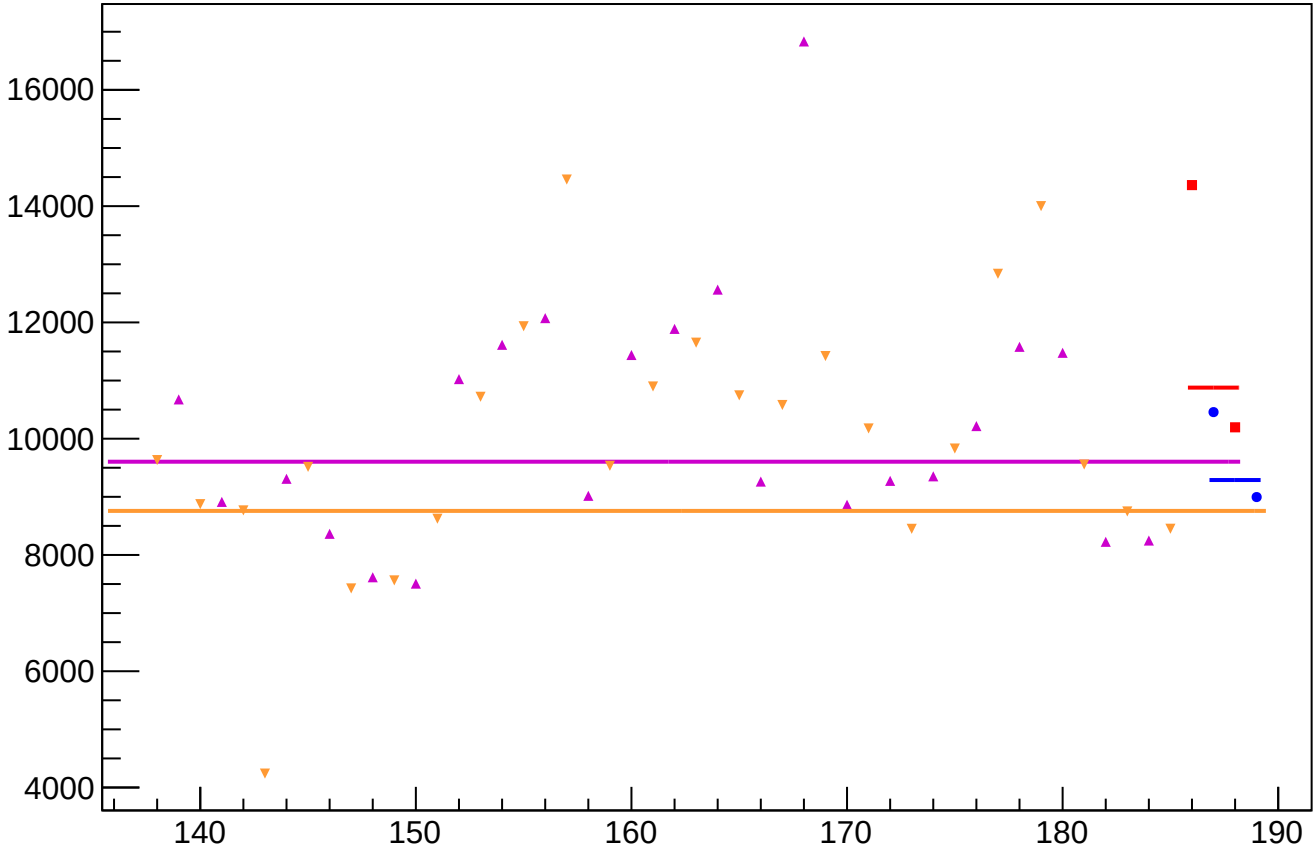
Left In: 185.013+/-2330.398 $\chi^2$/NDF:15.0/22

+ sign 228.189+/-2108.901 $\chi^2$/NDF: 30.6/26

All: 786.471+/-1544.496 $\chi^2$/NDF: 53.1/51

- sign 1432.333+/-2268.293 $\chi^2$/NDF: 22.4/24

# asym_at2_avg_correction_rms vs Slug




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

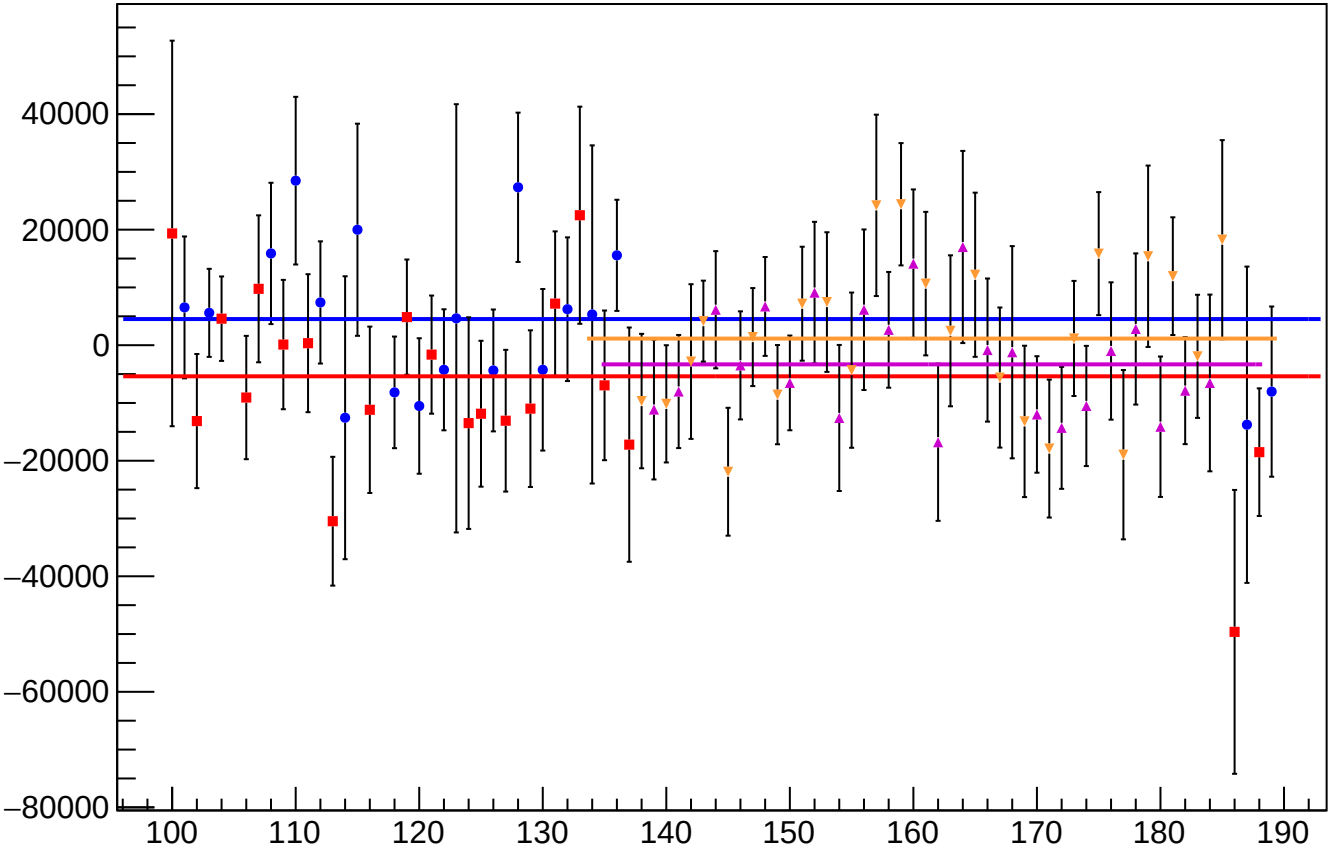
Left In: 9604.027+/-1.648 $\chi^2$/NDF:1095805.7/22

+ sign 8774.095+/-1.491 $\chi^2$/NDF: 2787591.7/26

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

- sign 9671.048+/-1.604 $\chi^2$/NDF: 1175882.4/24

# asym_at2_avg_mean vs Slug




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

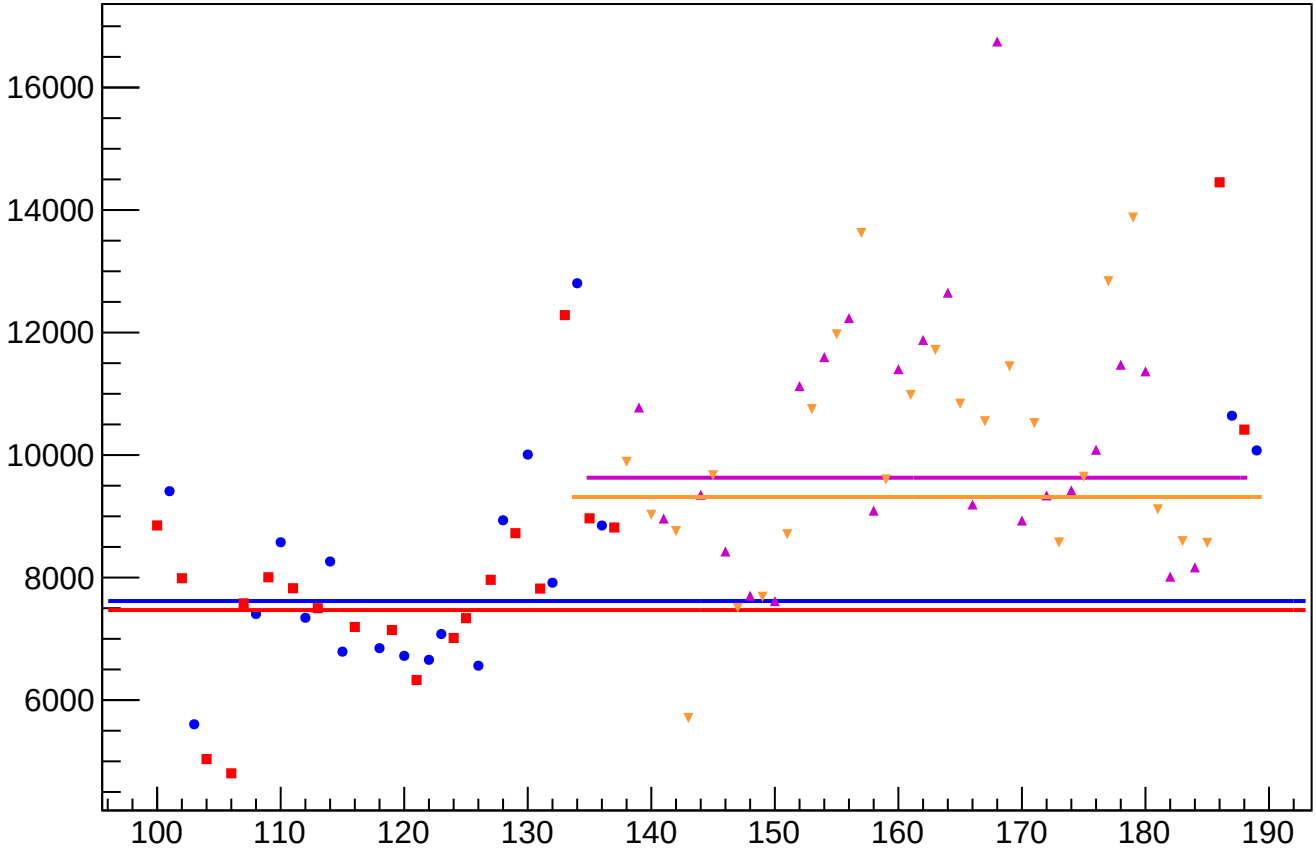
Left In: -3316.960+/-2336.196 $\chi^2$/NDF:13.4/22

+ sign 2417.322+/-1762.763 $\chi^2$/NDF: 44.4/43

All: -892.819+/-1246.768 $\chi^2$/NDF: 85.8/87

- sign -4206.223+/-1763.631 $\chi^2$/NDF: 34.3/43

# asym_at2_avg_rms vs Slug




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

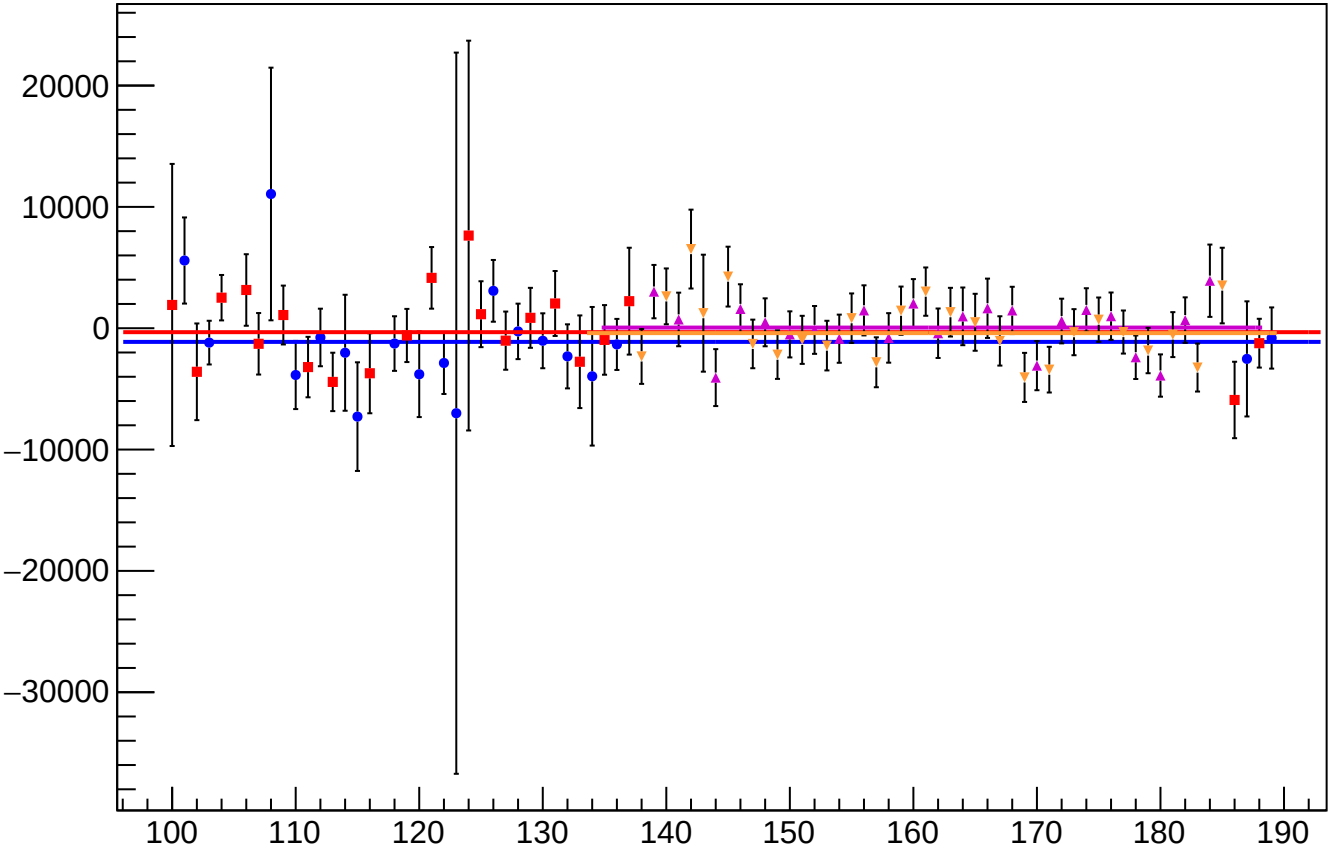
Left In: 9630.345+/-1.652 $\chi^2$/NDF:1074643.5/22

+ sign 8676.061+/-1.246 $\chi^2$/NDF: 2455298.6/43

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

- sign 8700.782+/-1.247 $\chi^2$/NDF: 2693078.2/43

# dit_asym_at2_dd_mean vs Slug




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

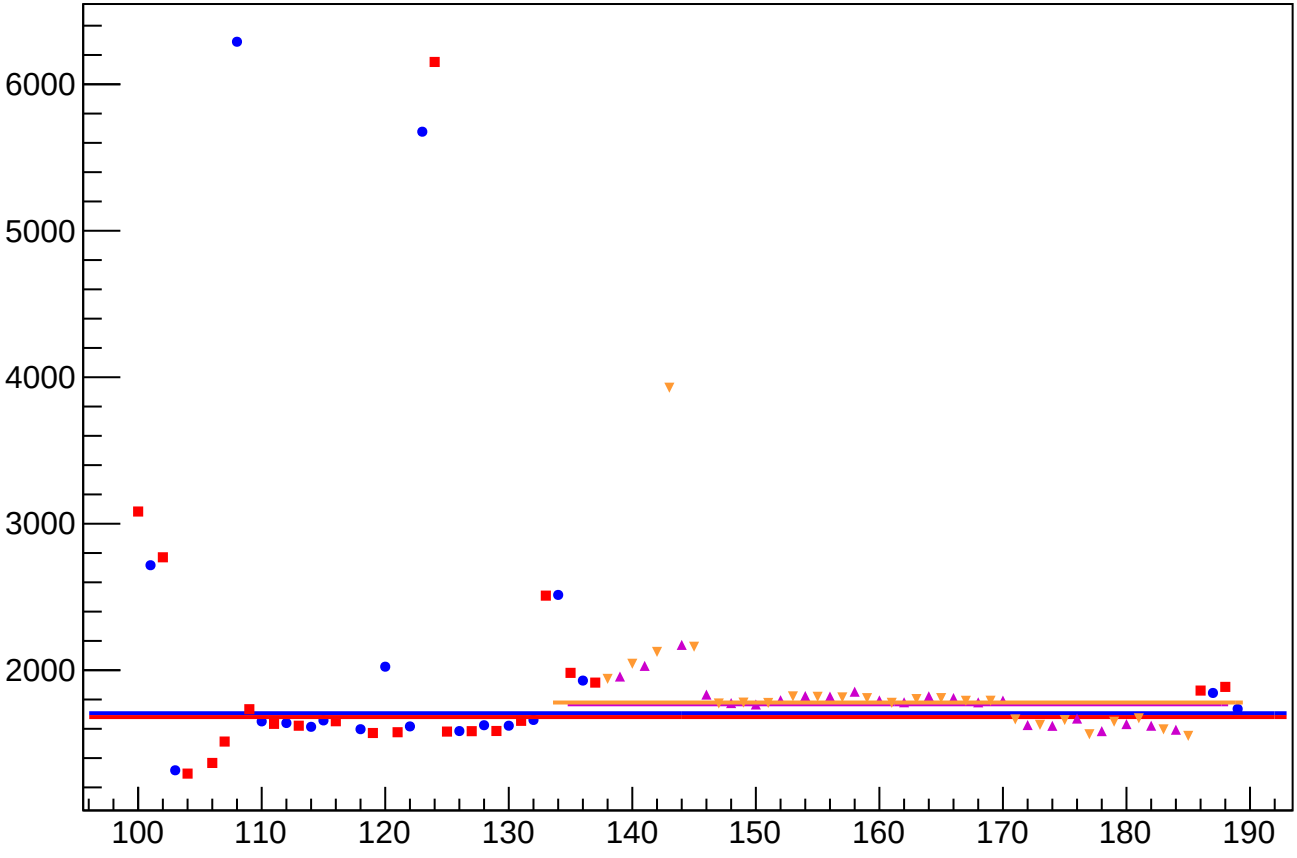
Left In: 53.539+/-422.570 $\chi^2$/NDF:20.9/22

+ sign -615.879+/-352.255 $\chi^2$/NDF: 42.2/43

All: -338.605+/-246.548 $\chi^2$/NDF: 83.6/87

- sign -72.335+/-345.195 $\chi^2$/NDF: 40.2/43

# dit_asym_at2_dd_rms vs Slug




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

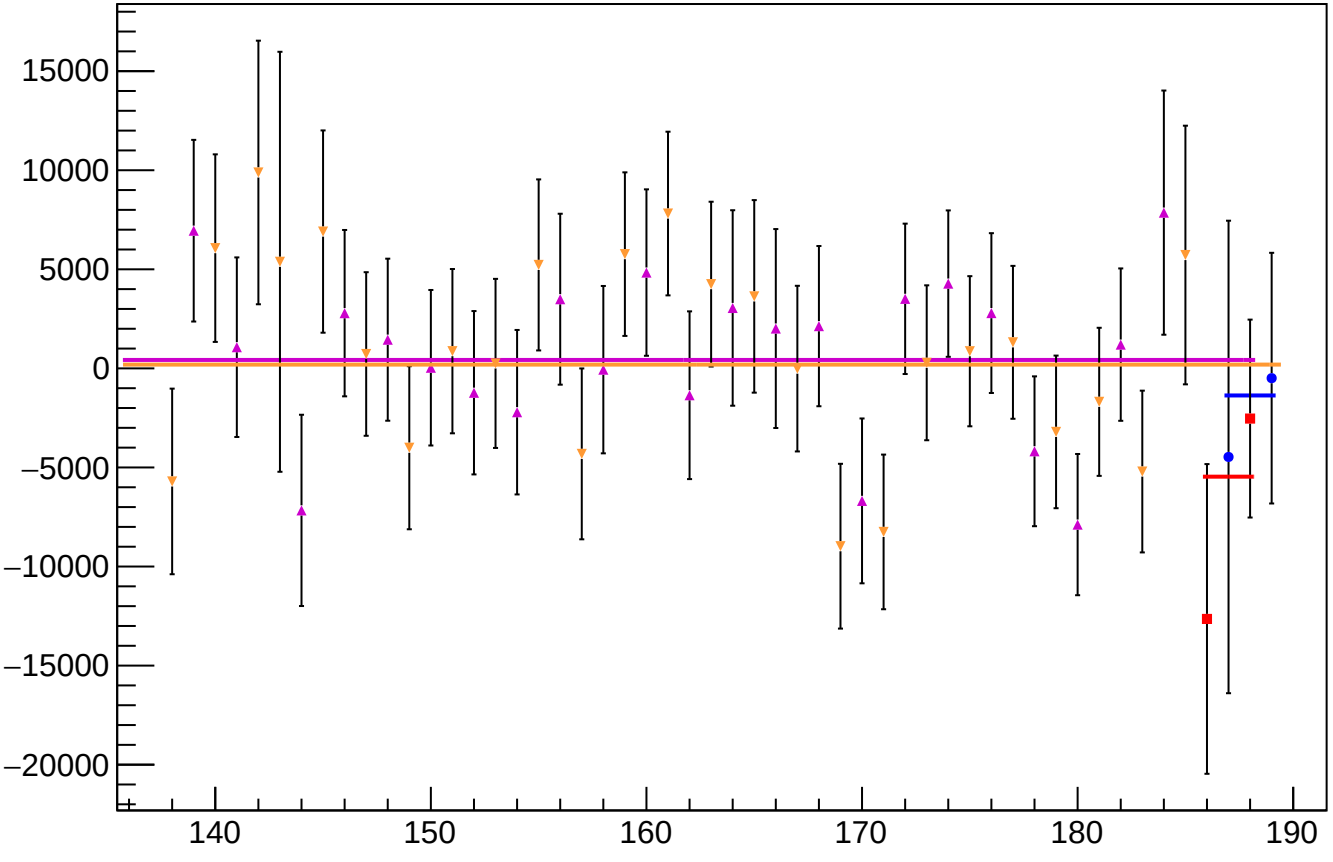
Left In: 1767.314+/-0.299 $\chi^2$/NDF:196583.8/22

+ sign 1757.917+/-0.249 $\chi^2$/NDF: 1409645.1/43

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

- sign 1738.280+/-0.244 $\chi^2$/NDF: 845317.4/43

# asym_at2_dd_correction_mean vs Slug




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

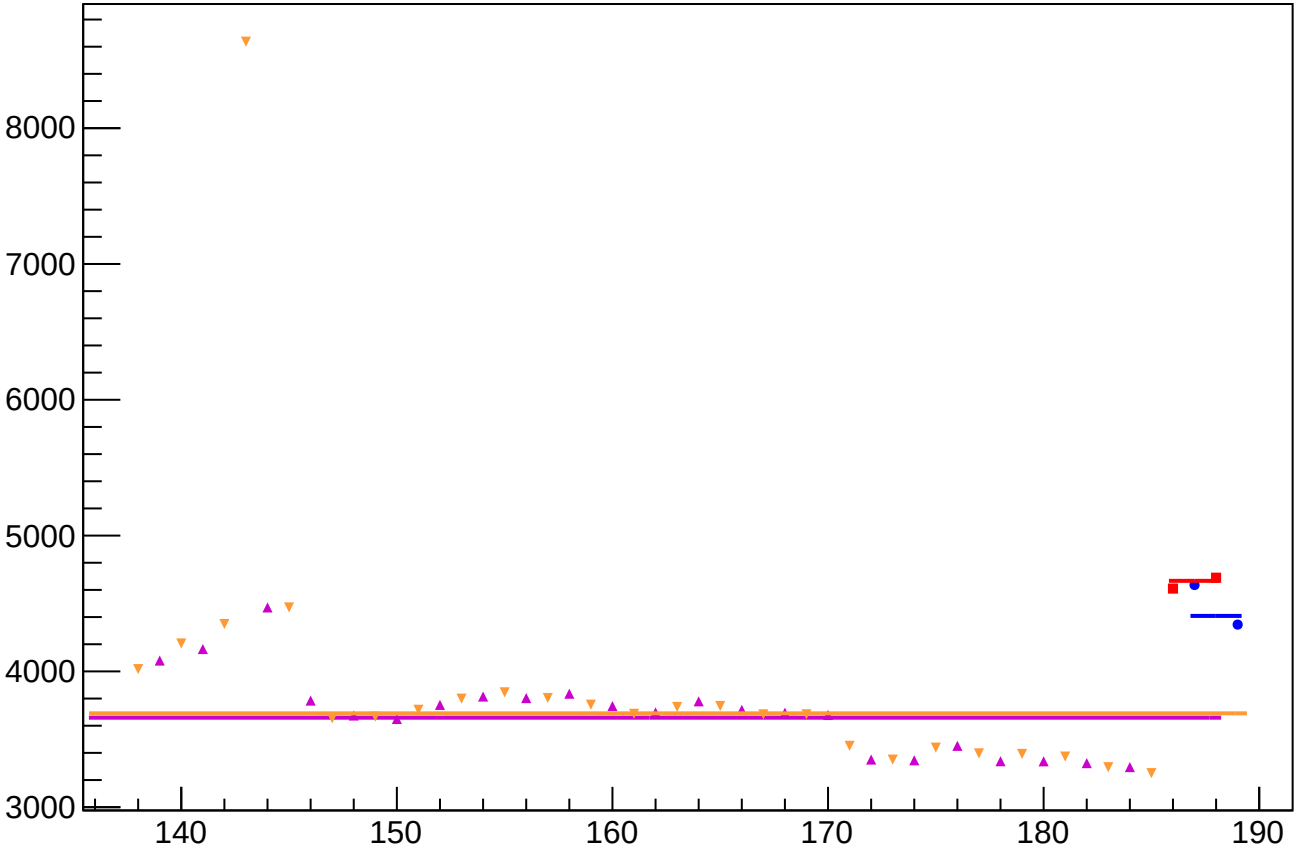
Left In: 426.004+/-874.870 $\chi^2$/NDF:21.3/22

+ sign 154.250+/-859.558 $\chi^2$/NDF: 30.8/26

All: 168.147+/-606.735 $\chi^2$/NDF: 55.1/51

- sign 181.948+/-856.556 $\chi^2$/NDF: 24.3/24

# asym_at2_dd_correction_rms vs Slug




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

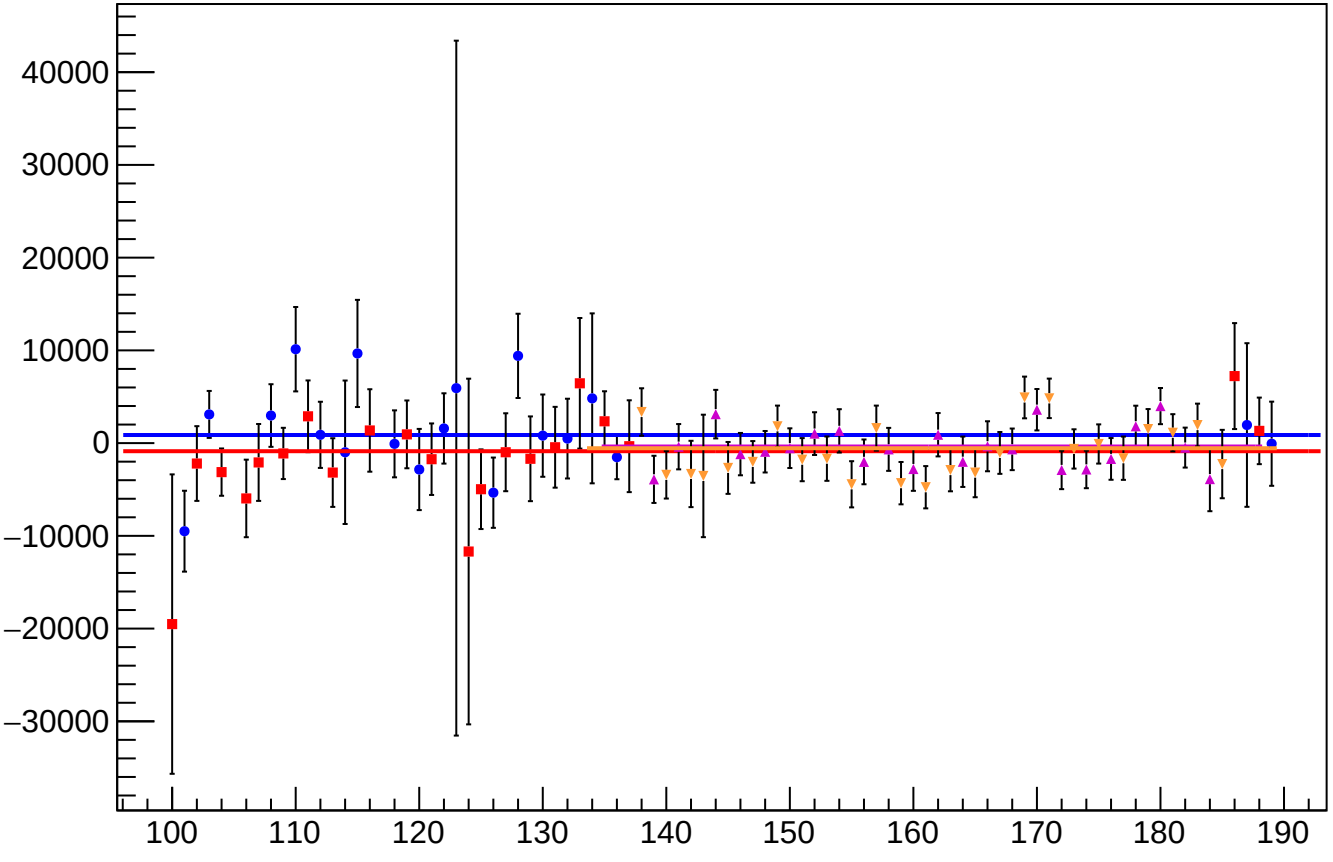
Left In: 3659.086+/-0.619 $\chi^2$/NDF:198077.1/22

+ sign 3708.150+/-0.608 $\chi^2$/NDF: 672593.6/26

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

- sign 3700.834+/-0.606 $\chi^2$/NDF: 308151.0/24

# asym_at2_dd_mean vs Slug




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

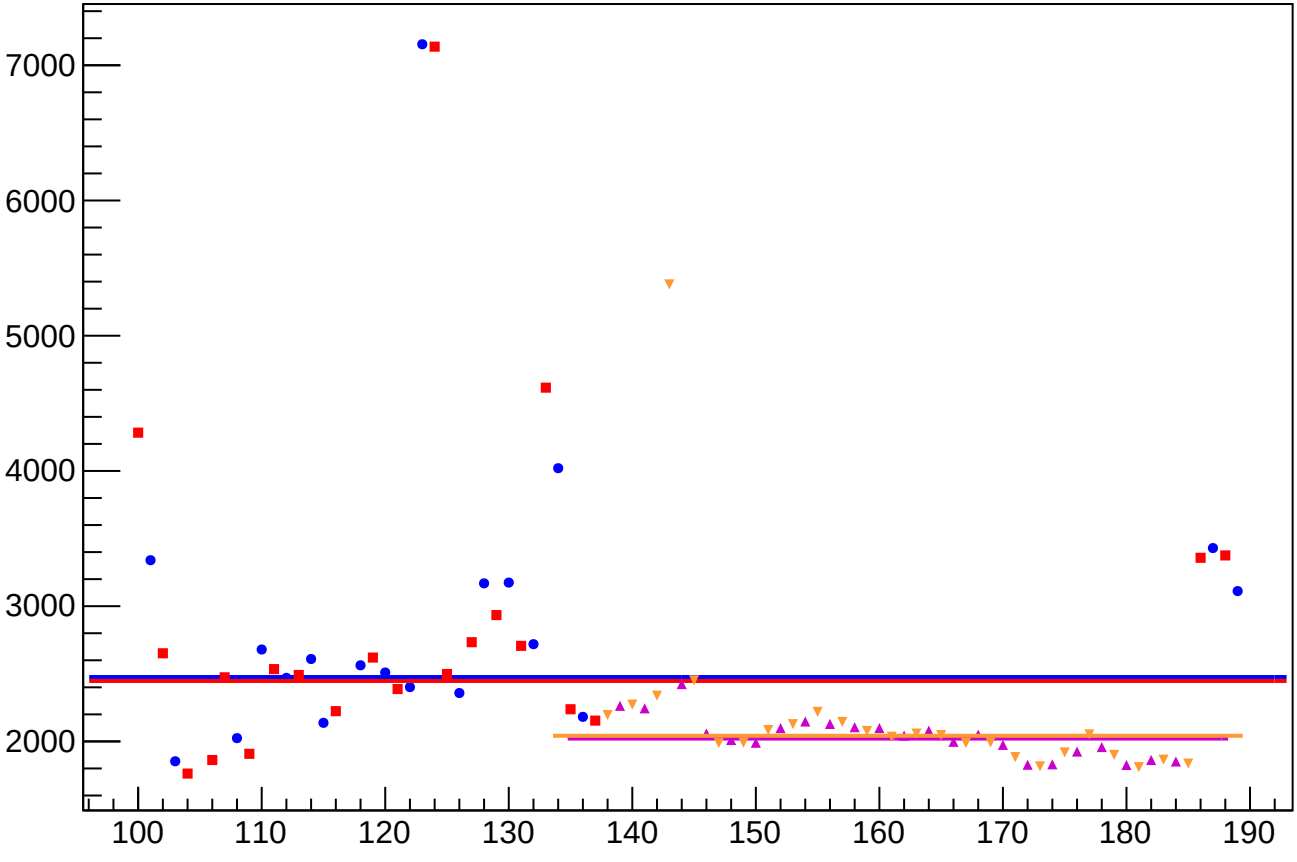
Left In: -366.243+/-483.092 $\chi^2$/NDF:20.5/22

+ sign -252.889+/-428.230 $\chi^2$/NDF: 57.5/43

All: -368.870+/-301.307 $\chi^2$/NDF: 89.9/87

- sign -482.584+/-424.025 $\chi^2$/NDF: 32.2/43

# asym_at2_dd_rms vs Slug




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

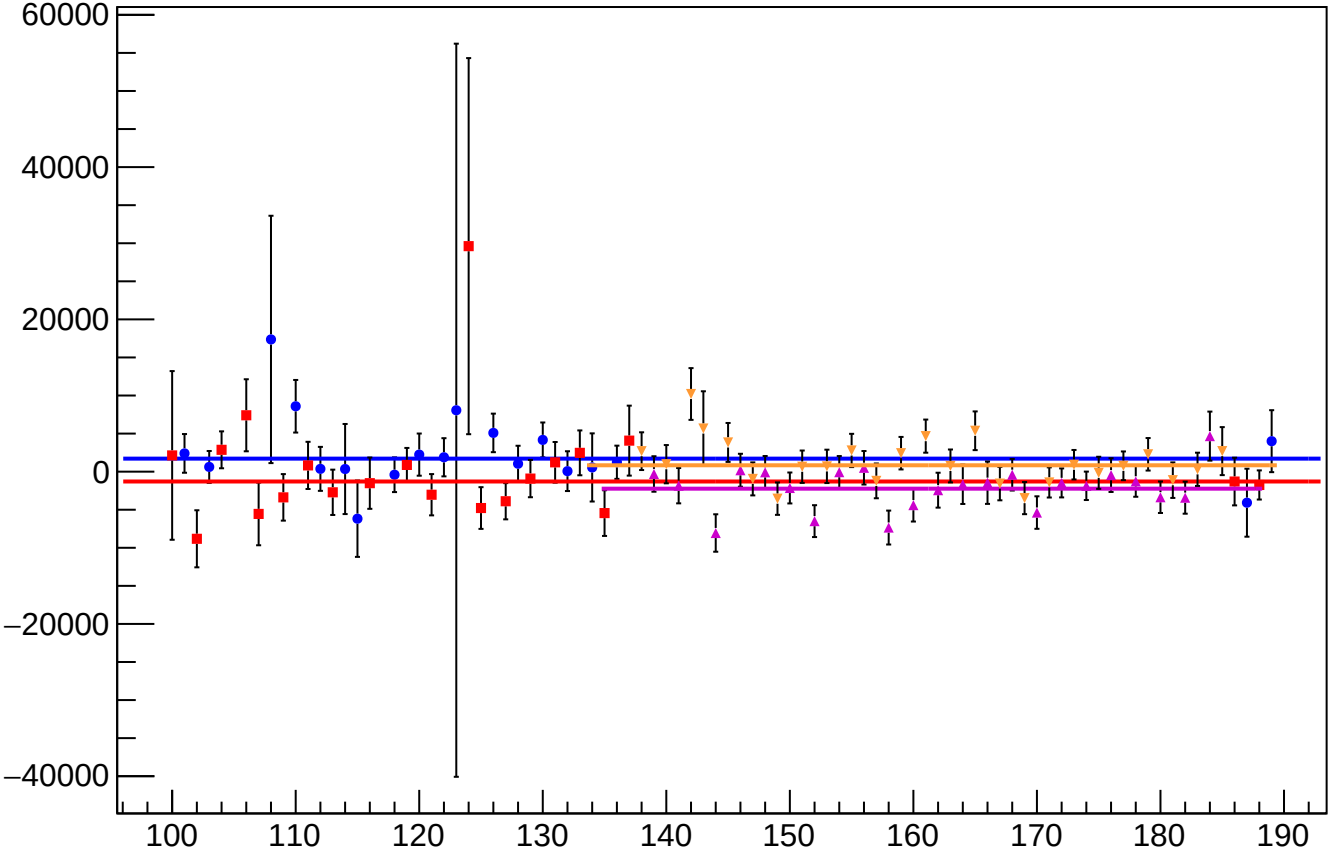
Left In: 2021.065+/-0.342 $\chi^2$/NDF:178726.2/22

+ sign 2132.763+/-0.303 $\chi^2$/NDF: 1582205.7/43

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

- sign 2118.879+/-0.300 $\chi^2$/NDF: 1393426.7/43

# dit_asym_atl_avg_mean vs Slug




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

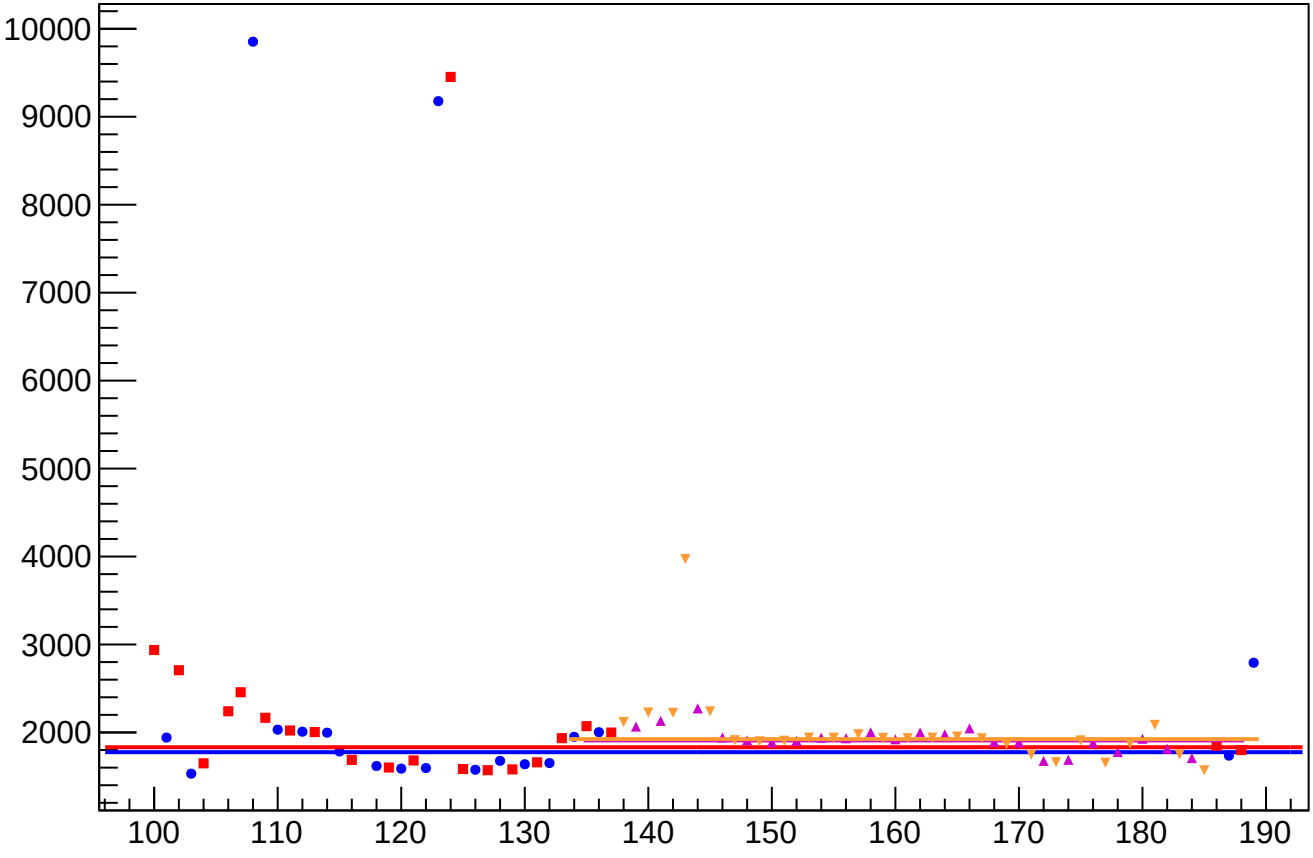
Left In: -2235.652+/-457.720 $\chi^2$/NDF:31.0/22

+ sign 1108.835+/-377.283 $\chi^2$/NDF: 47.9/43

All: -419.424+/-265.677 $\chi^2$/NDF: 137.1/87

- sign -1922.662+/-374.182 $\chi^2$/NDF: 56.7/43

# dit_asym_atl_avg_rms vs Slug




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

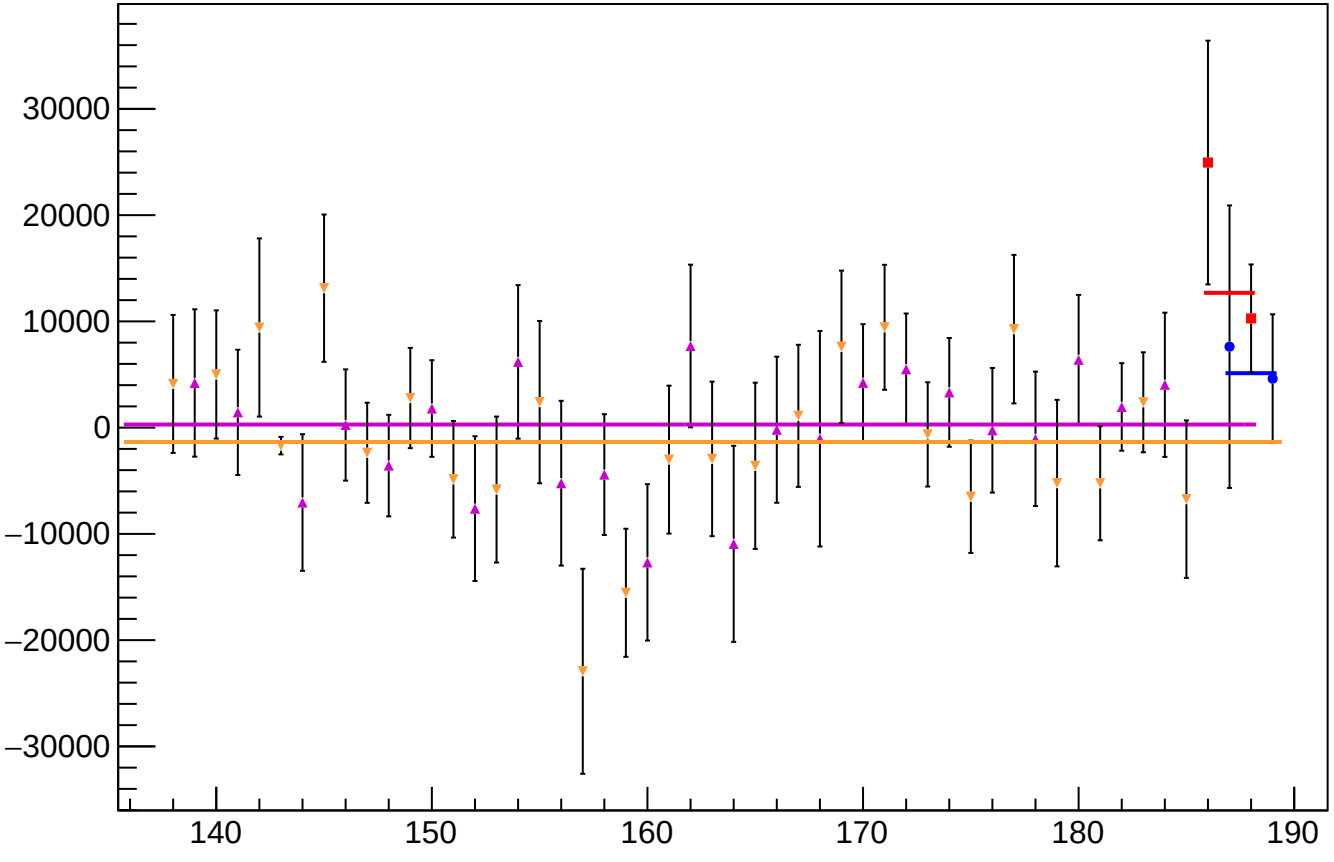
Left In: 1909.656+/-0.324 $\chi^2$/NDF:164475.5/22

+ sign 1877.882+/-0.267 $\chi^2$/NDF: 1461362.8/43

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

- sign 1883.831+/-0.264 $\chi^2$/NDF: 734724.6/43

# asym_atl_avg_correction_mean vs Slug




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

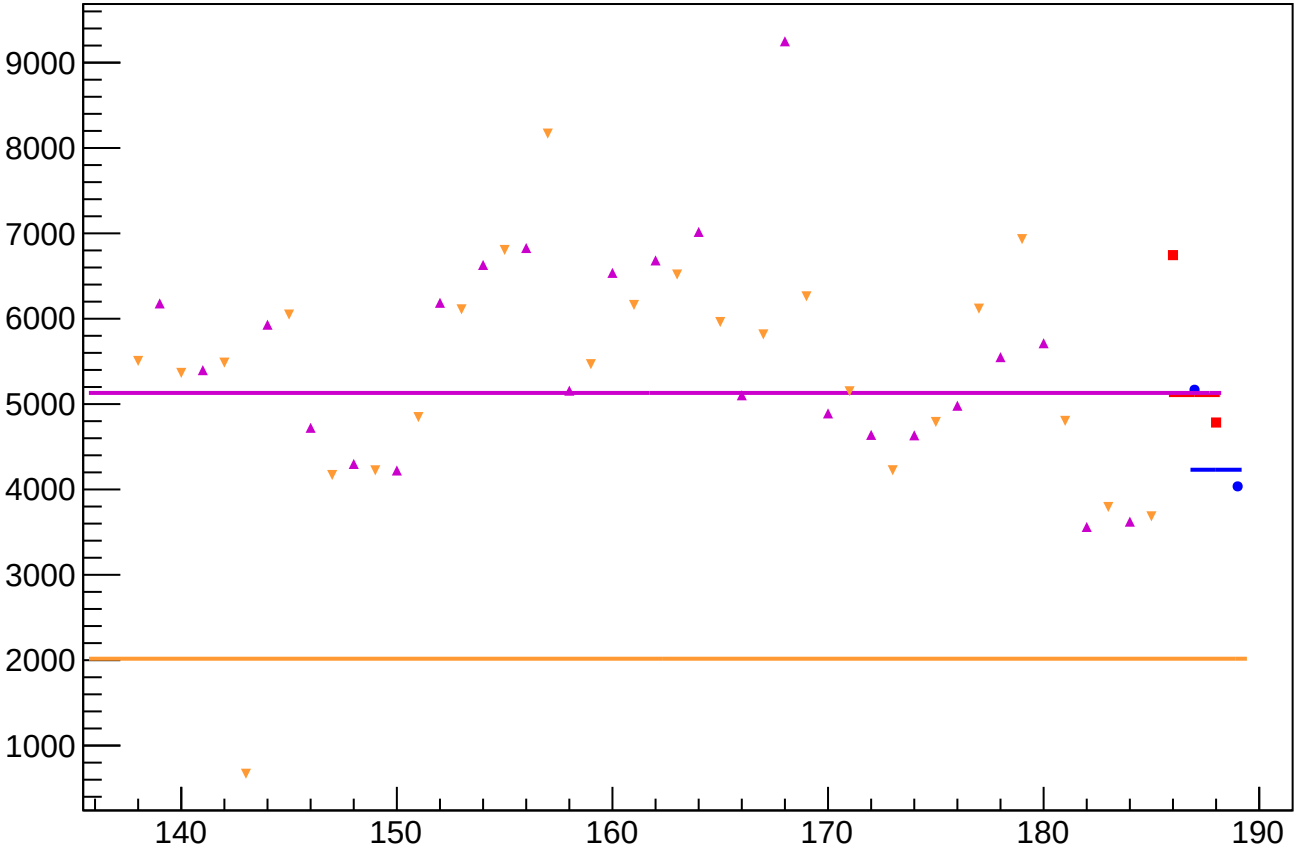
Left In: 294.047+/-1252.274 $\chi^2$/NDF:14.5/22

+ sign -1249.586+/-685.304 $\chi^2$/NDF: 32.3/26

All: -670.028+/-596.197 $\chi^2$/NDF: 57.8/51

- sign 1134.001+/-1209.086 $\chi^2$/NDF: 22.5/24

# asym_atl_avg_correction_rms vs Slug




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

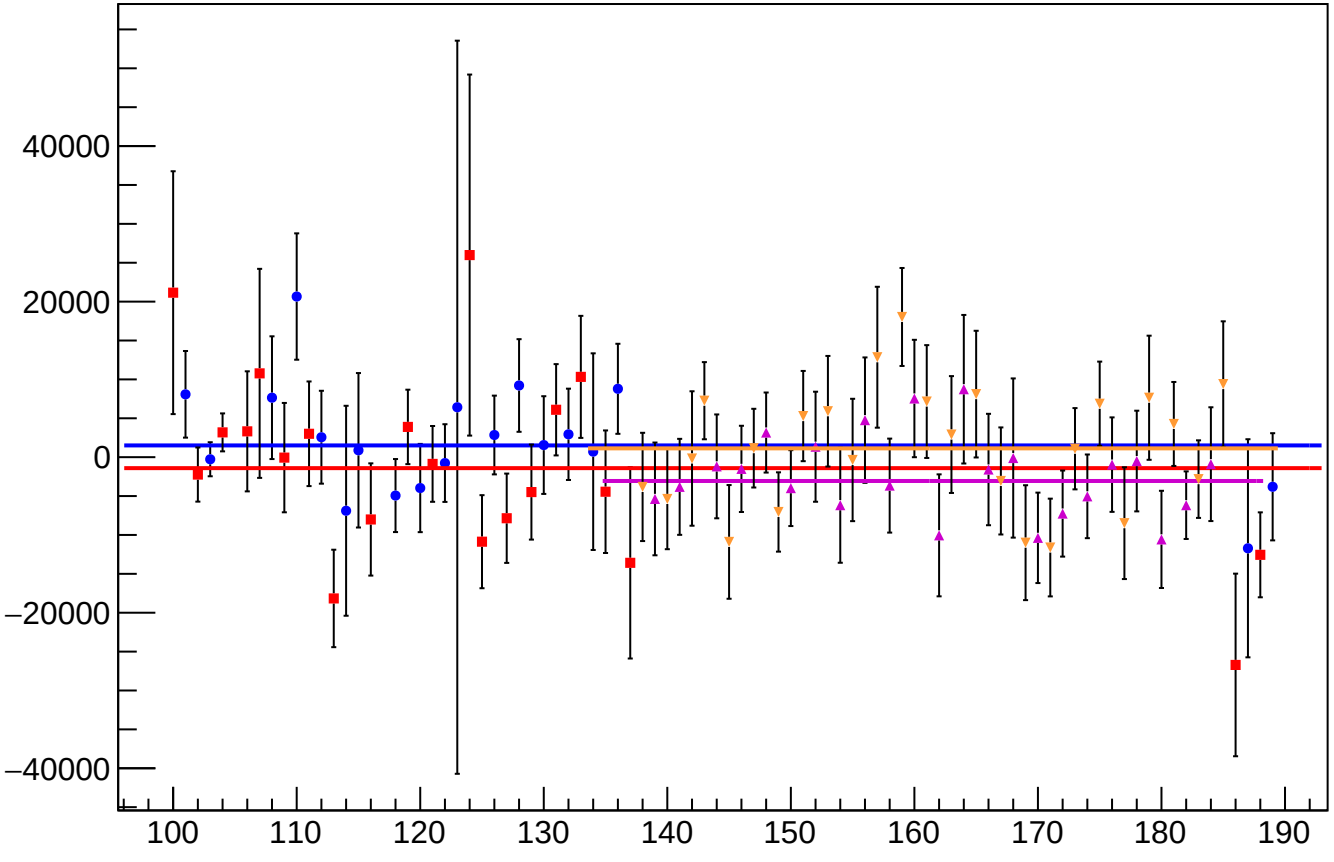
Left In: 5130.756+/-0.885 $\chi^2$/NDF:1489813.1/22

+ sign 2051.432+/-0.485 $\chi^2$/NDF: 19489062.9/26

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

- sign 5129.047+/-0.855 $\chi^2$/NDF: 1538745.7/24

# asym_atl_avg_mean vs Slug




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

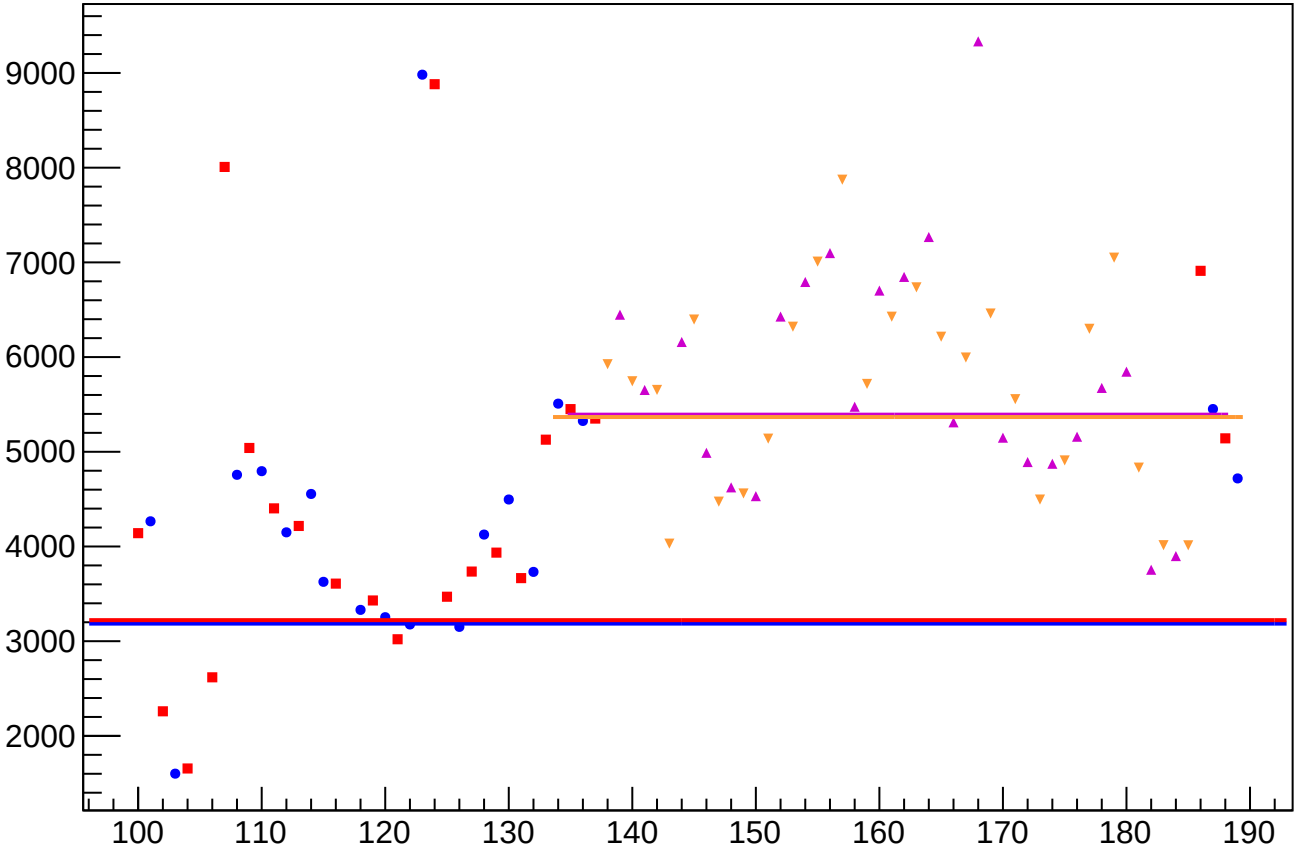
Left In: -3061.439+/-1313.197 $\chi^2$/NDF:12.3/22

+ sign 1322.587+/-902.837 $\chi^2$/NDF: 49.1/43

All: -433.423+/-638.604 $\chi^2$/NDF: 105.6/87

- sign -2191.658+/-903.409 $\chi^2$/NDF: 49.0/43

# asym_atl_avg_rms vs Slug




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

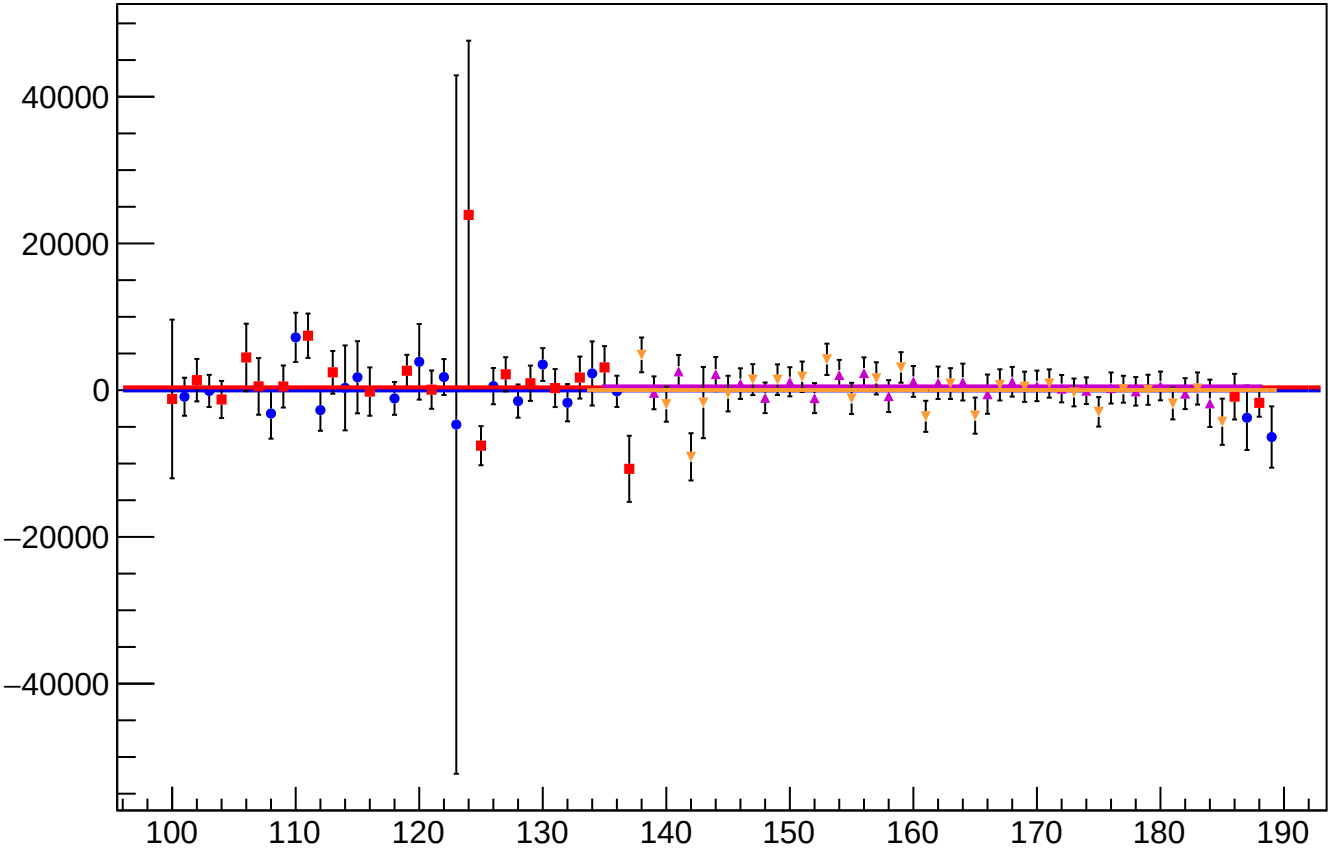
Left In: 5391.987+/-0.929 $\chi^2$/NDF:1320415.5/22

+ sign 4270.545+/-0.638 $\chi^2$/NDF: 6168545.8/43

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

- sign 4234.319+/-0.634 $\chi^2$/NDF: 6714453.7/43

# dit_asym_atl_dd_mean vs Slug




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

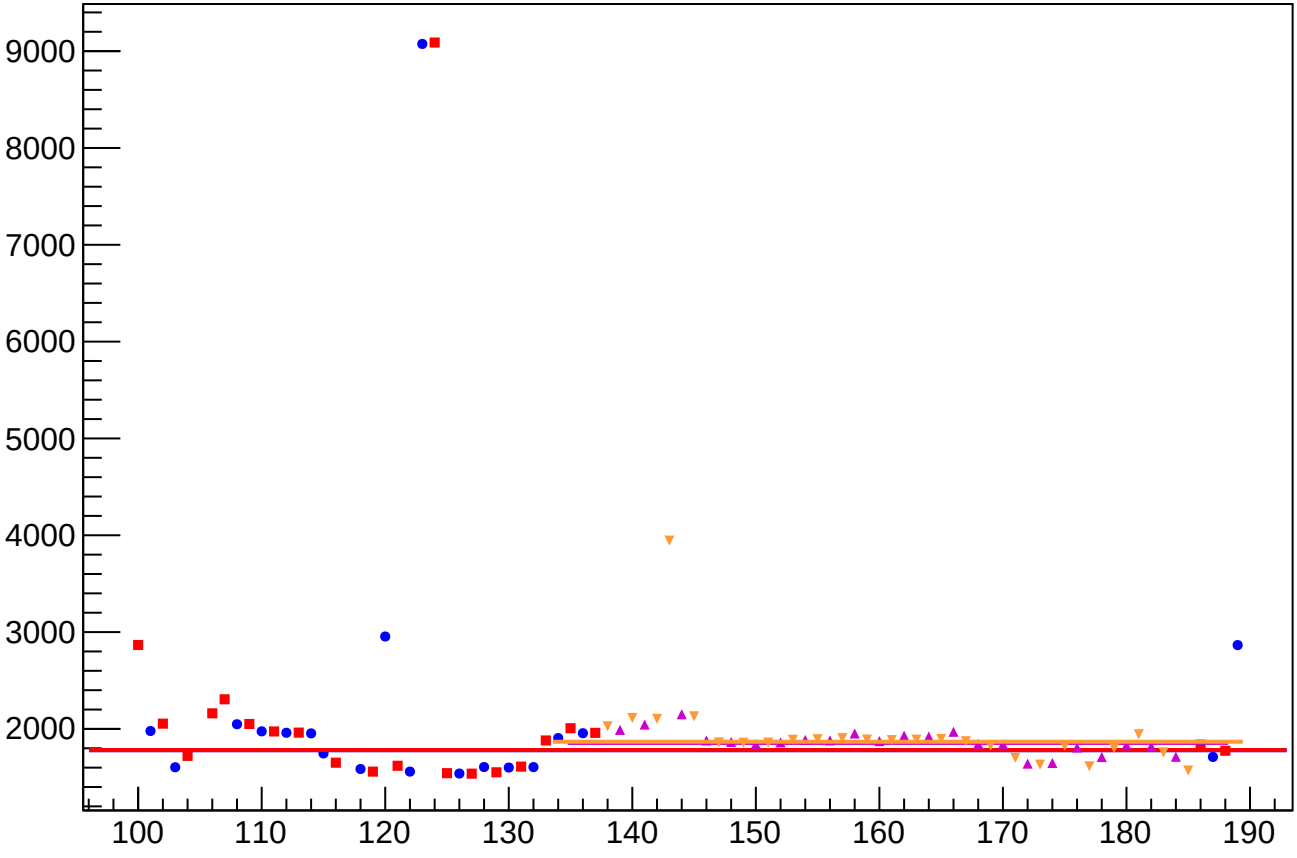
Left In: 514.693+/-444.402 $\chi^2$/NDF:5.9/22

+ sign 7.229+/-368.170 $\chi^2$/NDF: 46.4/43

All: 242.977+/-258.533 $\chi^2$/NDF: 80.6/87

- sign 472.307+/-363.124 $\chi^2$/NDF: 33.4/43

# dit_asym_atl_dd_rms vs Slug




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

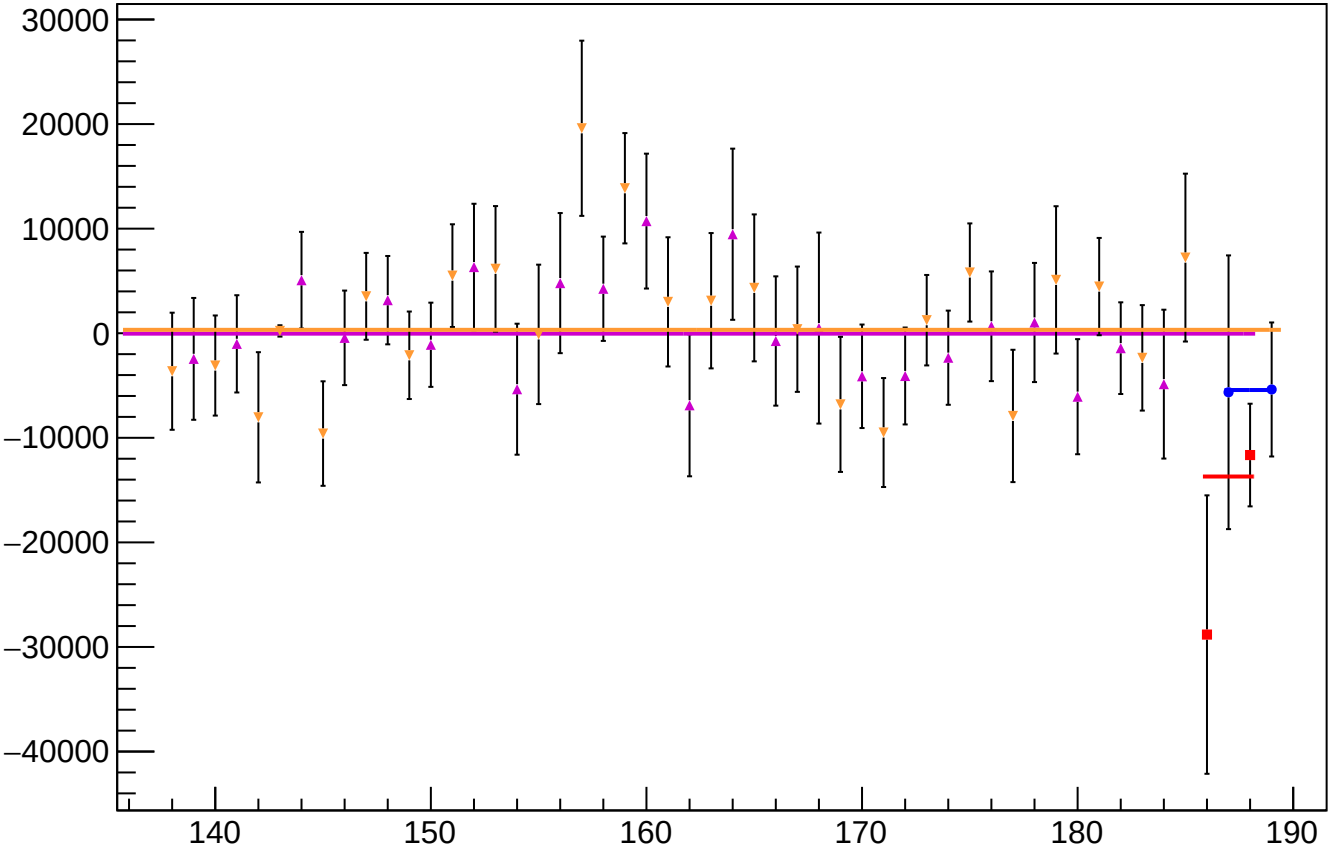
Left In: 1855.480+/-0.314 $\chi^2$/NDF:136219.4/22

+ sign 1840.943+/-0.260 $\chi^2$/NDF: 1009292.8/43

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

- sign 1830.998+/-0.257 $\chi^2$/NDF: 583470.1/43

# asym_atl_dd_correction_mean vs Slug




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

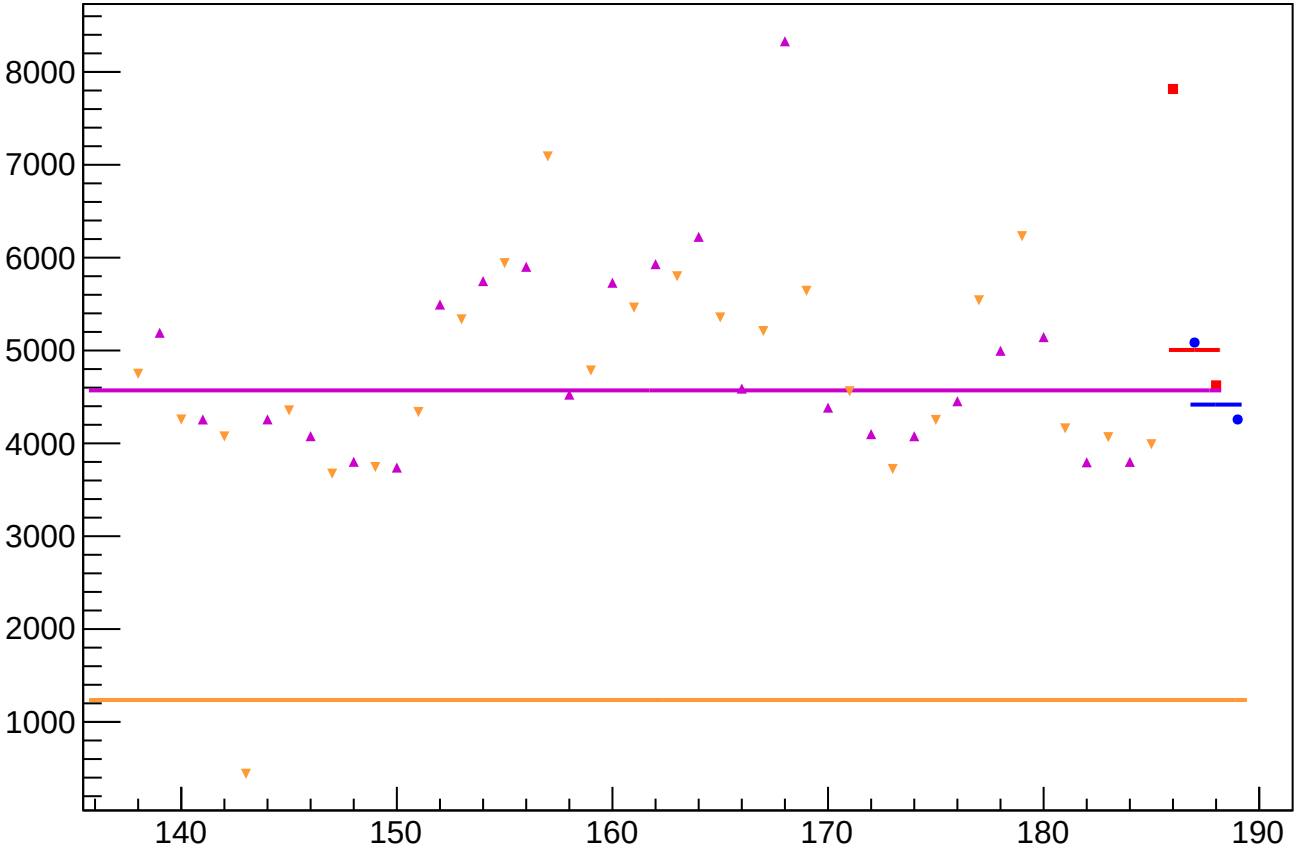
Left In: -40.142+/-1109.747 $\chi^2$/NDF:13.9/22

+ sign 284.010+/-486.491 $\chi^2$/NDF: 33.5/26

All: 102.514+/-443.487 $\chi^2$/NDF: 58.0/51

- sign -790.064+/-1078.859 $\chi^2$/NDF: 23.6/24

# asym_atl_dd_correction_rms vs Slug




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

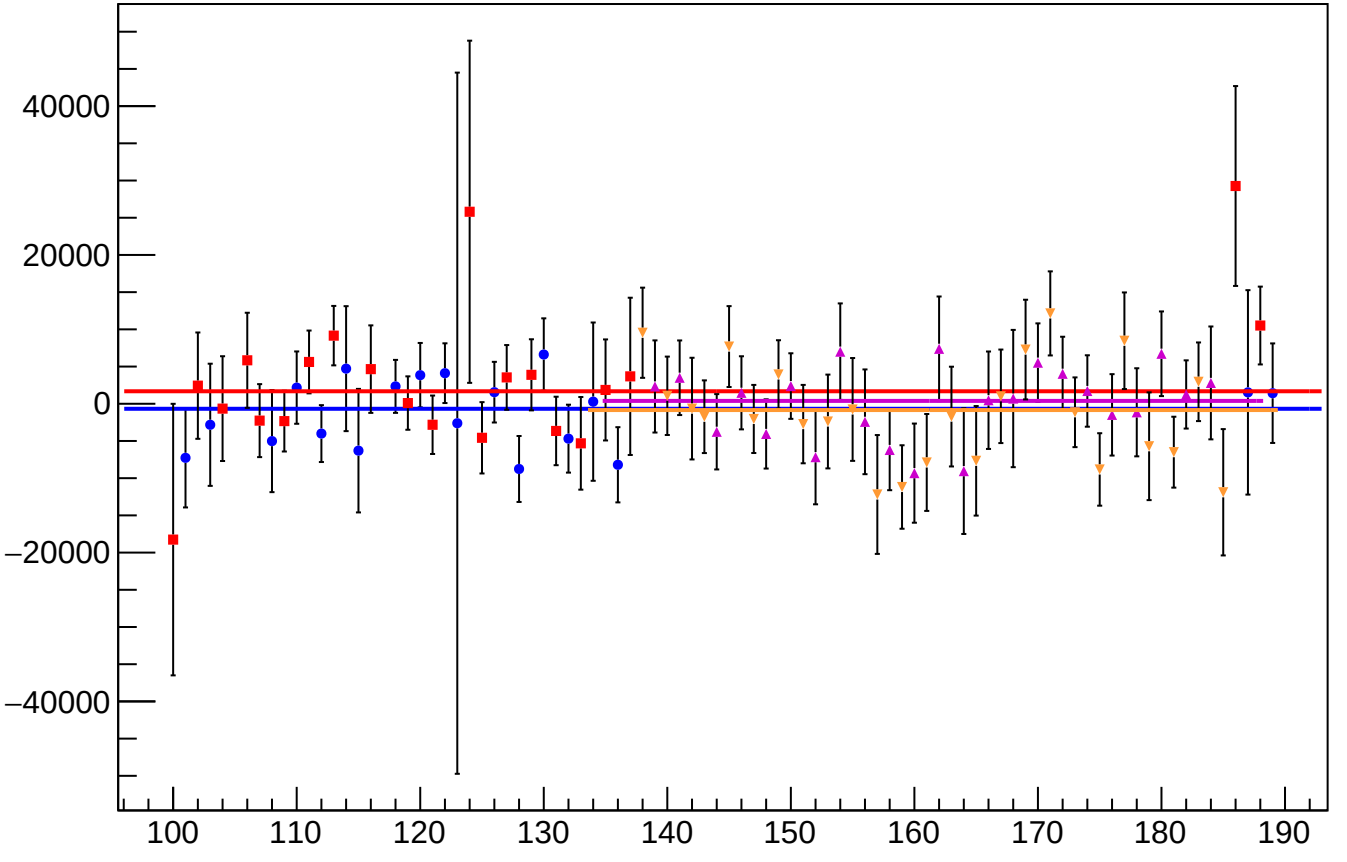
Left In: 4570.398+/-0.785 $\chi^2$/NDF:1145211.6/22

+ sign 1258.904+/-0.344 $\chi^2$/NDF: 24009135.1/26

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

- sign 4594.304+/-0.763 $\chi^2$/NDF: 1263365.2/24

# asym_atl_dd_mean vs Slug




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

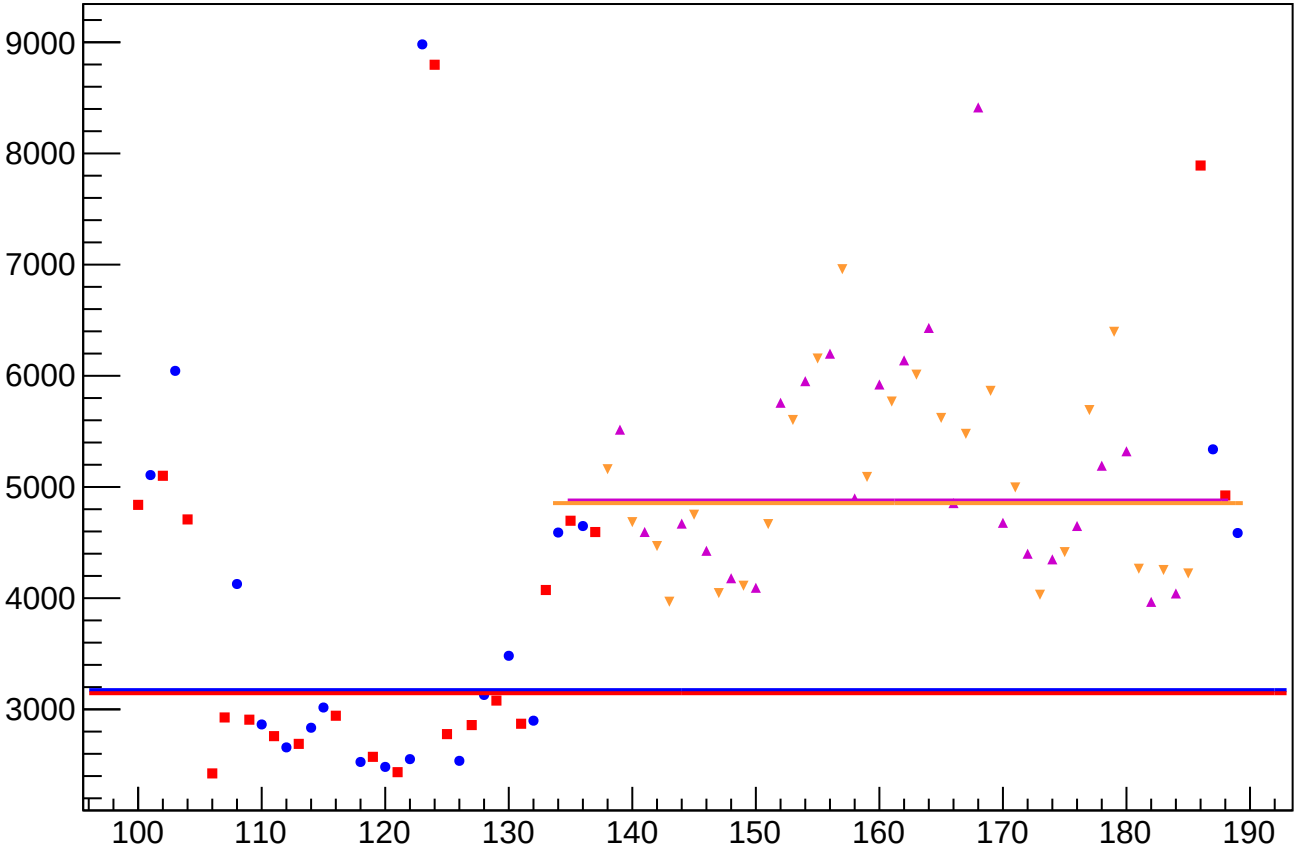
Left In: 385.098+/-1181.458 $\chi^2$/NDF:13.9/22

+ sign -764.669+/-838.401 $\chi^2$/NDF: 45.7/43

All: 153.494+/-588.641 $\chi^2$/NDF: 85.0/87

- sign 1046.107+/-826.653 $\chi^2$/NDF: 36.9/43

# asym_atl_dd_rms vs Slug




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

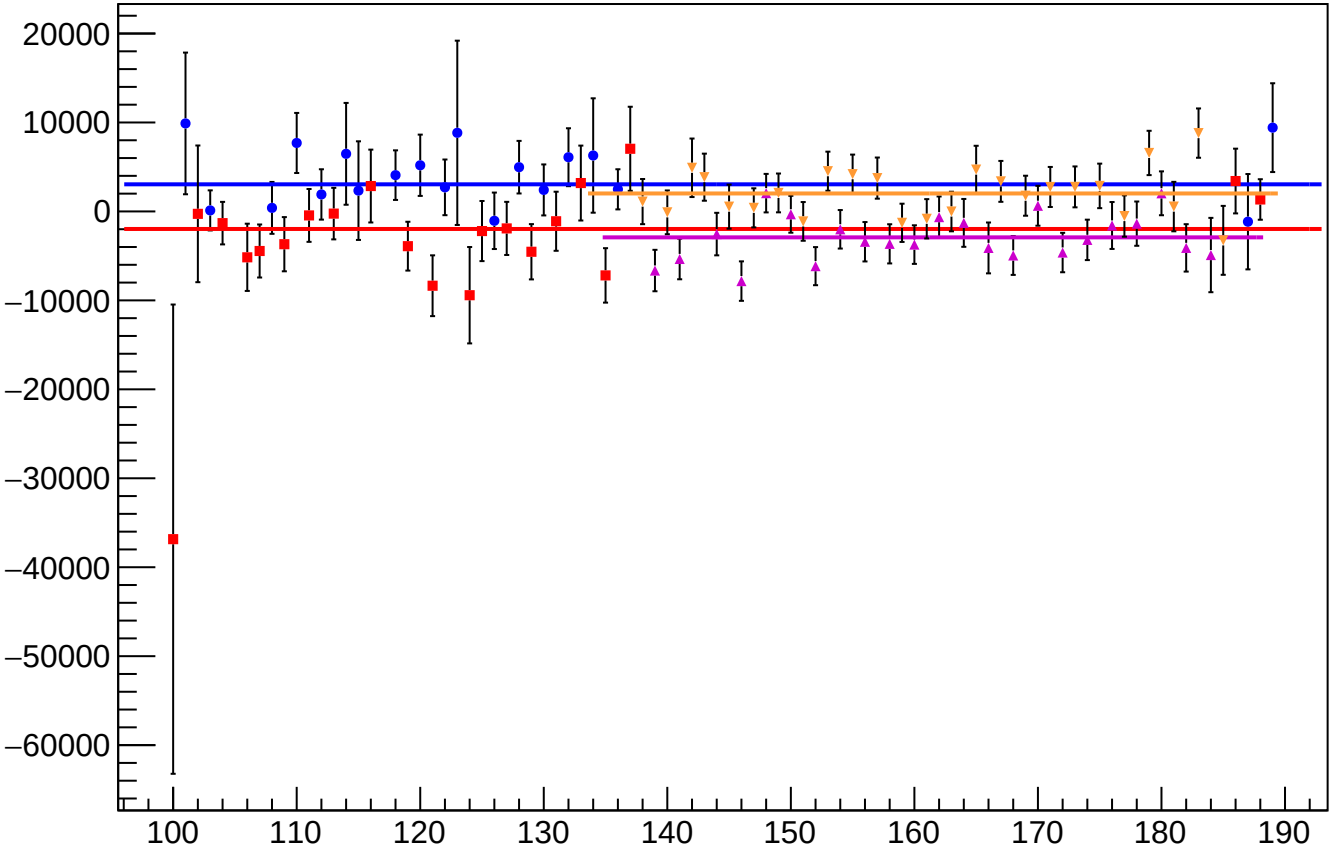
Left In: 4878.261+/-0.835 $\chi^2$/NDF:965222.2/22

+ sign 4062.753+/-0.593 $\chi^2$/NDF: 4005889.4/43

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

- sign 3983.386+/-0.581 $\chi^2$/NDF: 4485855.0/43

# dit_asym_atr_avg_mean vs Slug




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

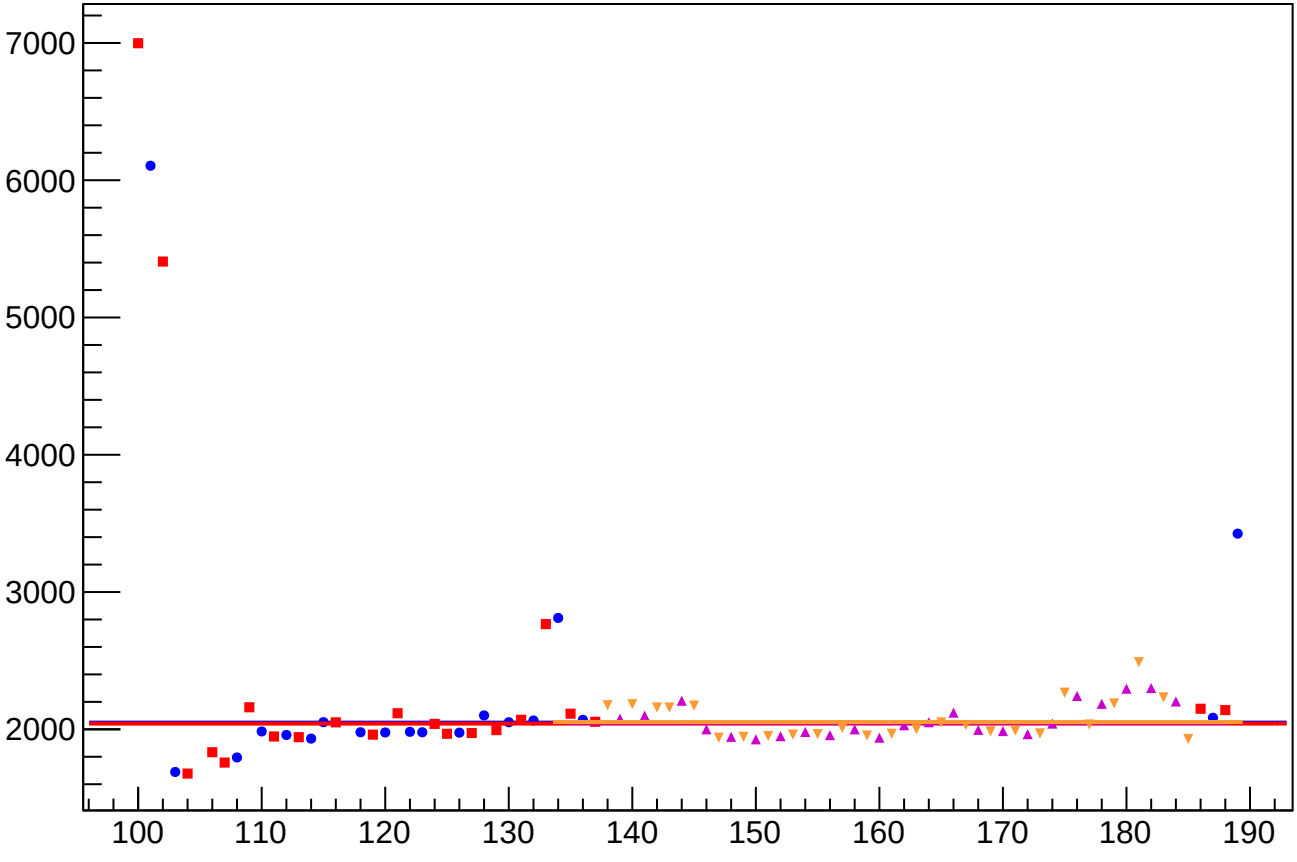
Left In: -2916.079+/-489.445 $\chi^2$/NDF:28.8/22

+ sign 2304.405+/-409.214 $\chi^2$/NDF: 40.5/43

All: -178.950+/-288.140 $\chi^2$/NDF: 168.1/87

- sign -2620.926+/-405.790 $\chi^2$/NDF: 54.6/43

# dit_asym_atr_avg_rms vs Slug




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

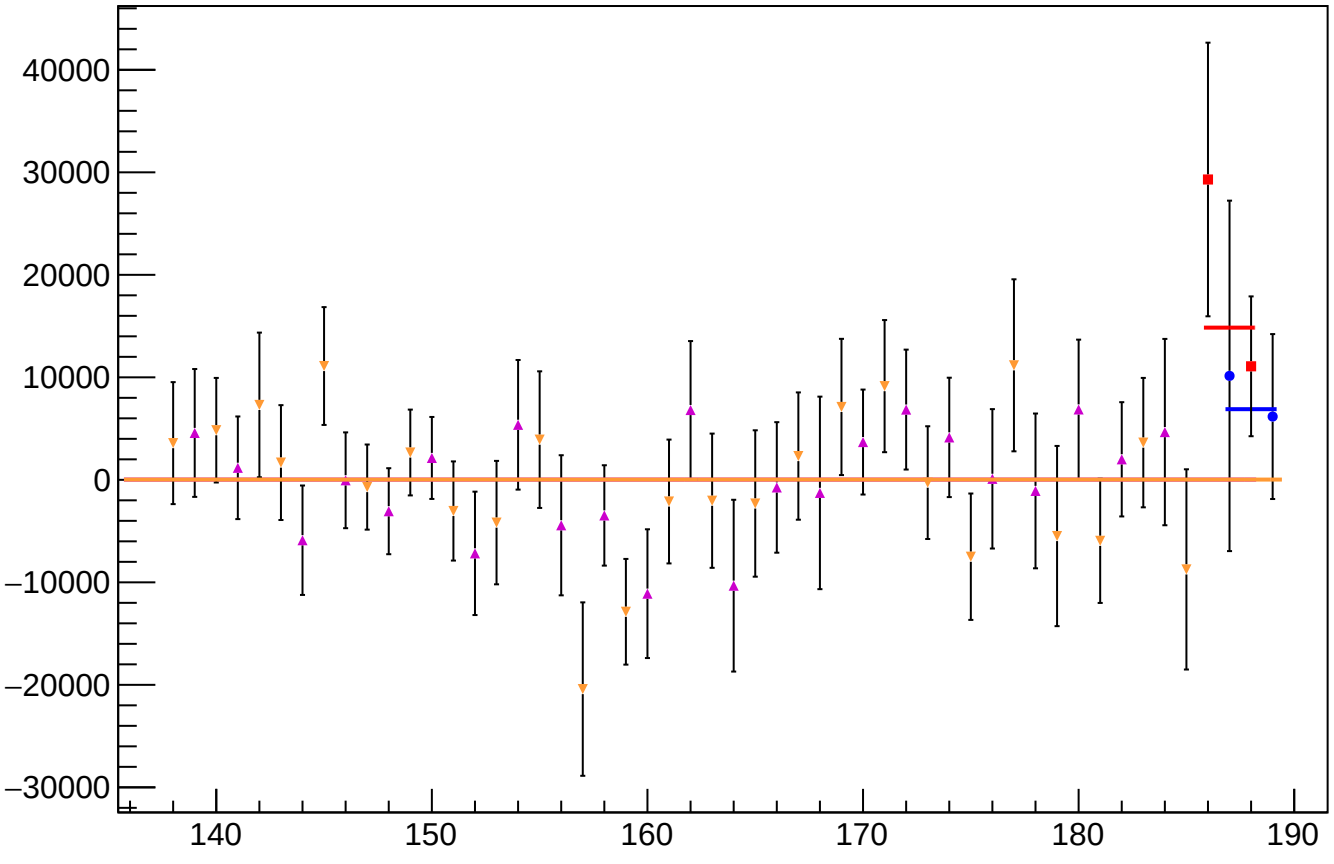
Left In: 2047.277+/-0.346 $\chi^2$/NDF:103001.2/22

+ sign 2052.017+/-0.289 $\chi^2$/NDF: 910935.4/43

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

- sign 2045.533+/-0.287 $\chi^2$/NDF: 706901.6/43

# asym_atr_avg_correction_mean vs Slug




Right In: 6893.304+/-7279.199 $\chi^2$/NDF: 0.0/1

Left Out: 25.977+/-1194.625 $\chi^2$/NDF:29.2/24

Right Out: 14849.215+/-6073.427 $\chi^2$/NDF: 1.5/1

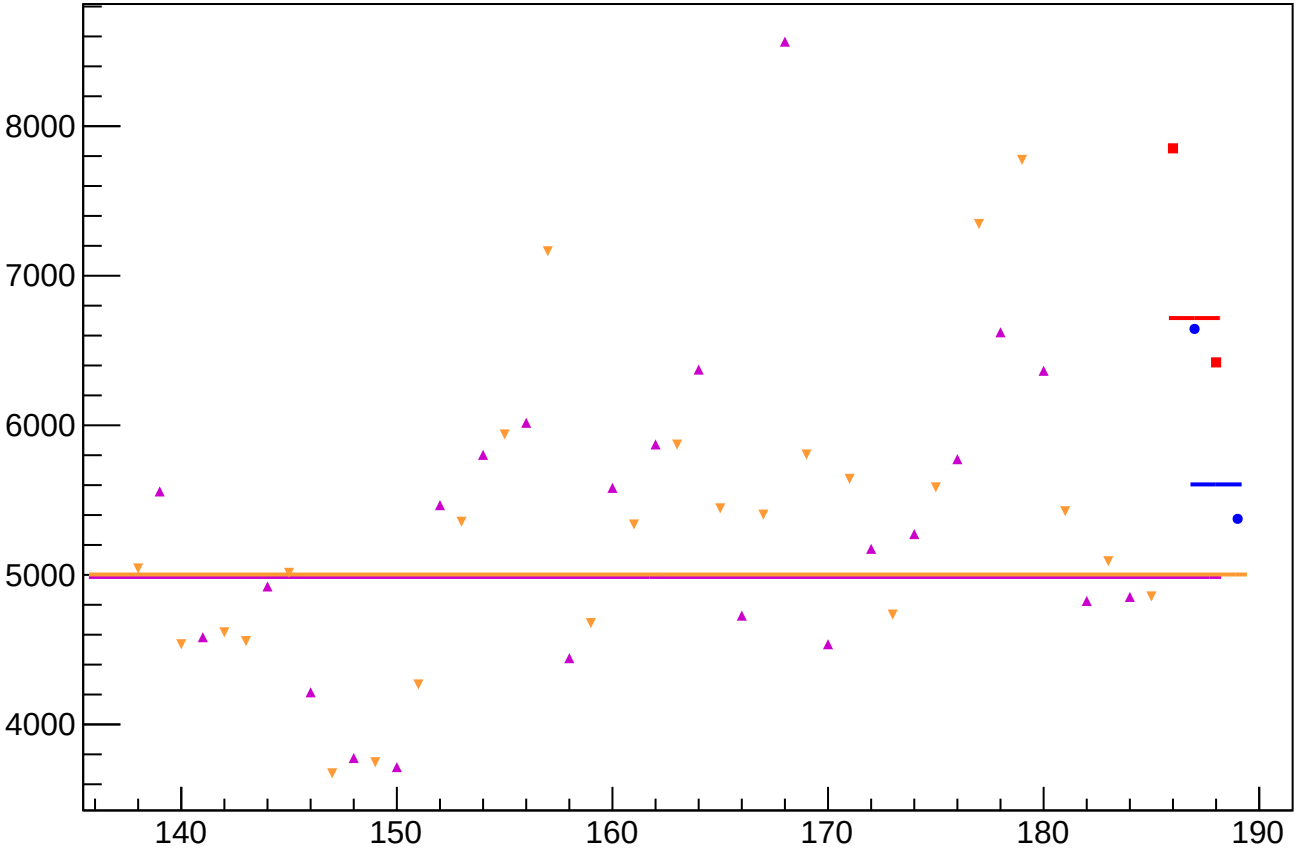
Left In: 23.765+/-1211.652 $\chi^2$/NDF:15.2/22

+ sign 206.088+/-1178.855 $\chi^2$/NDF: 30.1/26

All: 397.137+/-836.874 $\chi^2$/NDF: 52.6/51

- sign 591.240+/-1188.237 $\chi^2$/NDF: 22.4/24

# asym_atr_avg_correction_rms vs Slug




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

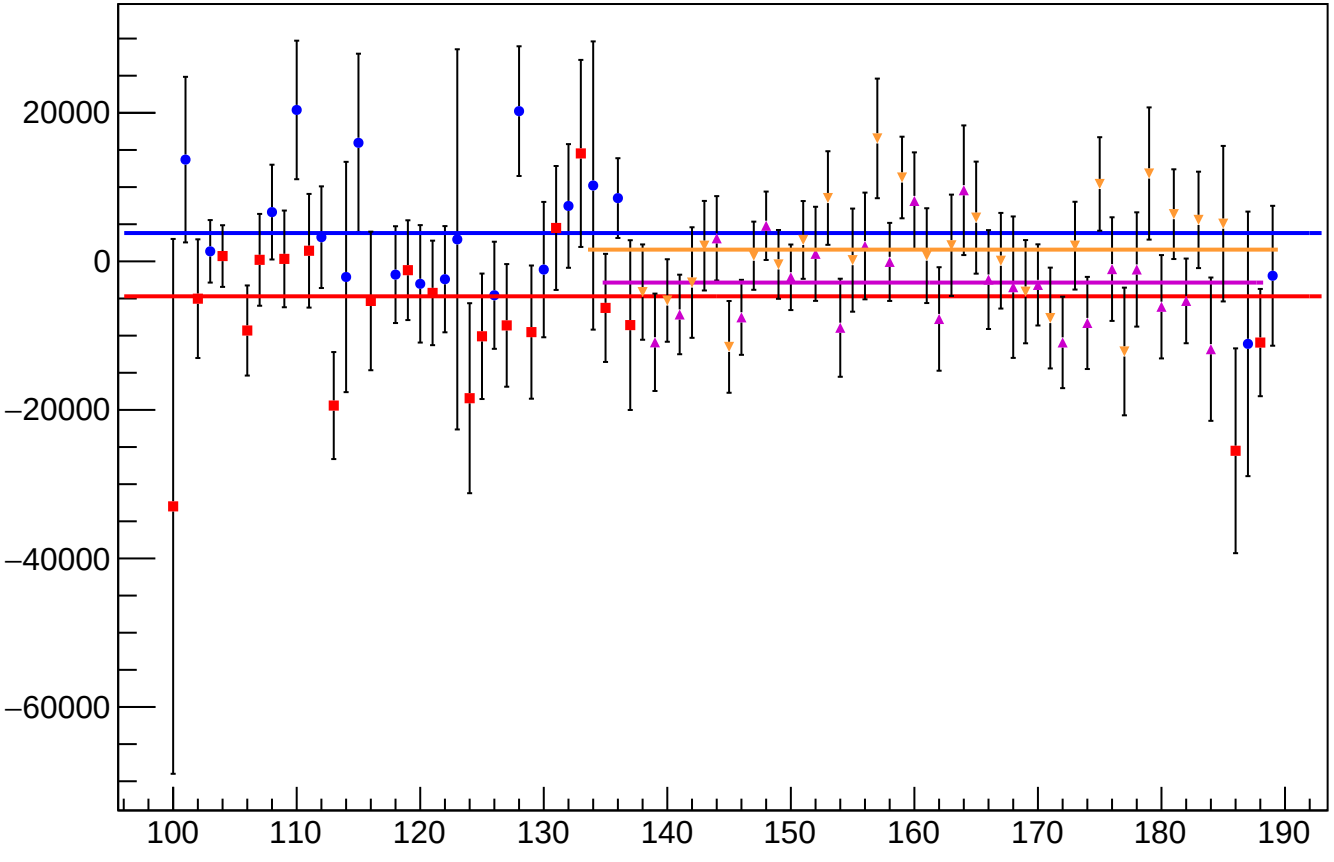
Left In: 4986.169+/-0.857 $\chi^2$/NDF:1197602.7/22

+ sign 5018.354+/-0.834 $\chi^2$/NDF: 1167963.4/26

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

- sign 5052.423+/-0.840 $\chi^2$/NDF: 1372061.3/24

# asym_atr_avg_mean vs Slug




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

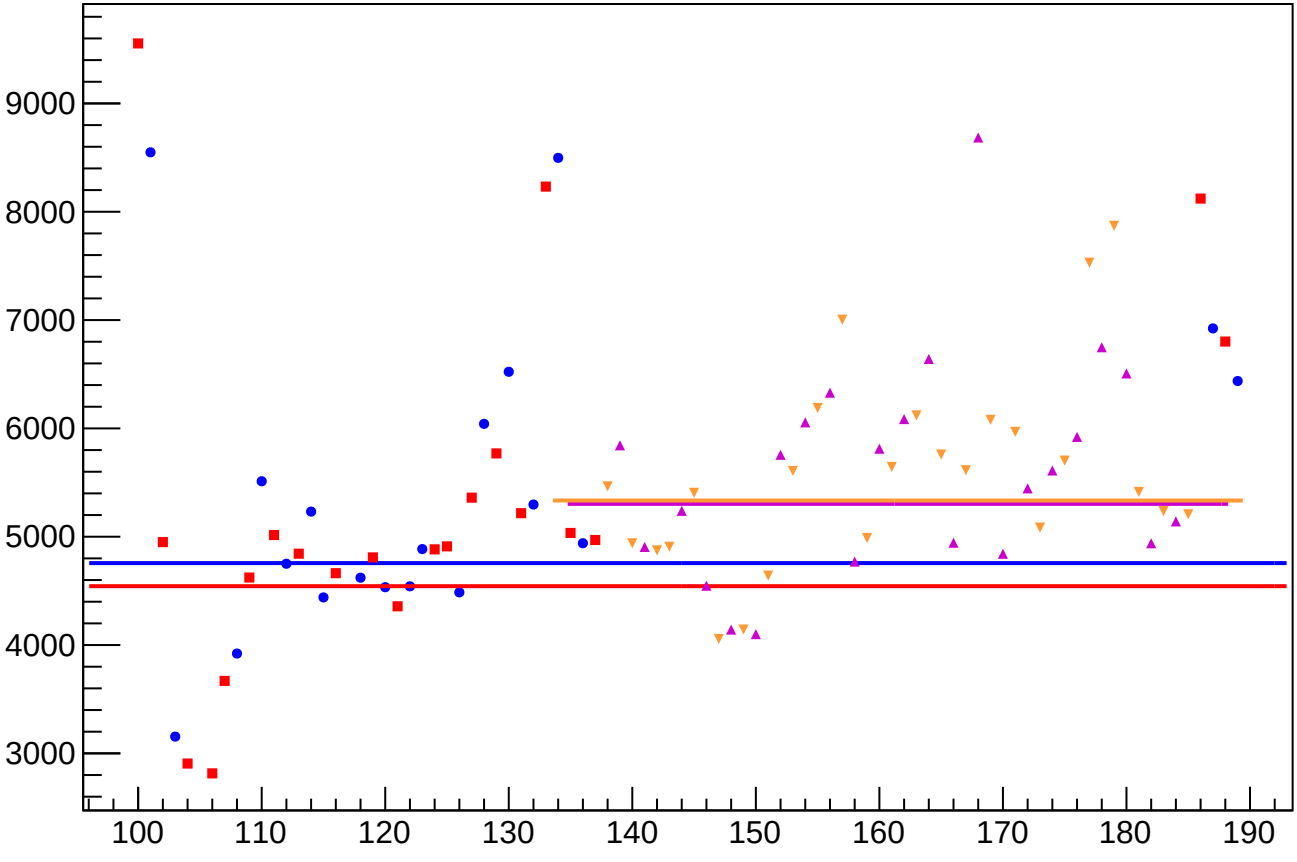
Left In: -2856.480+/-1284.131 $\chi^2$/NDF:18.1/22

+ sign 2312.125+/-1038.075 $\chi^2$/NDF: 41.4/43

All: -676.766+/-726.462 $\chi^2$/NDF: 94.5/87

- sign -3545.497+/-1016.994 $\chi^2$/NDF: 36.9/43

# asym_atr_avg_rms vs Slug




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

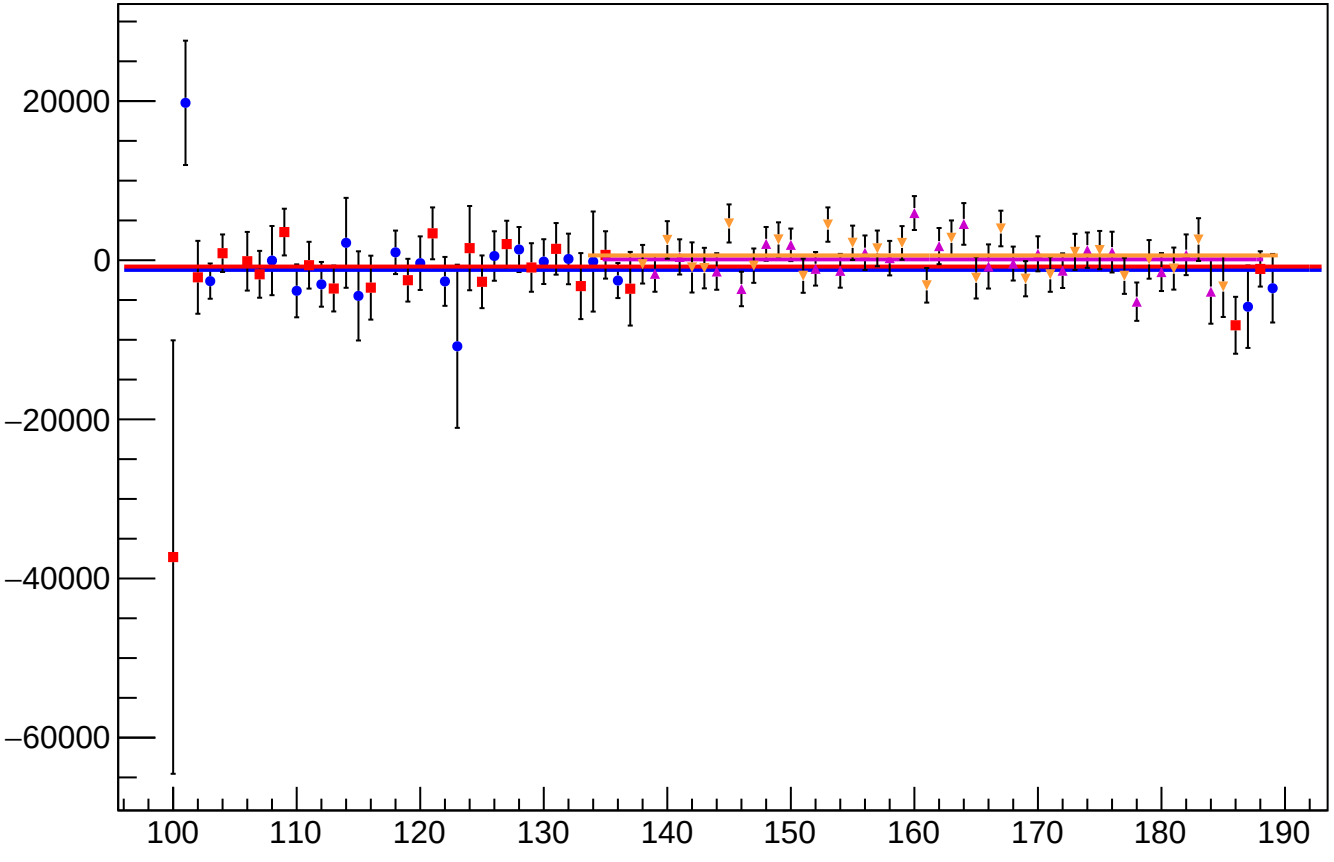
Left In: 5303.321+/-0.908 $\chi^2$/NDF:960356.0/22

+ sign 5144.847+/-0.734 $\chi^2$/NDF: 1877669.9/43

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

- sign 5018.104+/-0.718 $\chi^2$/NDF: 2409025.6/43

# dit_asym_atr_dd_mean vs Slug




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

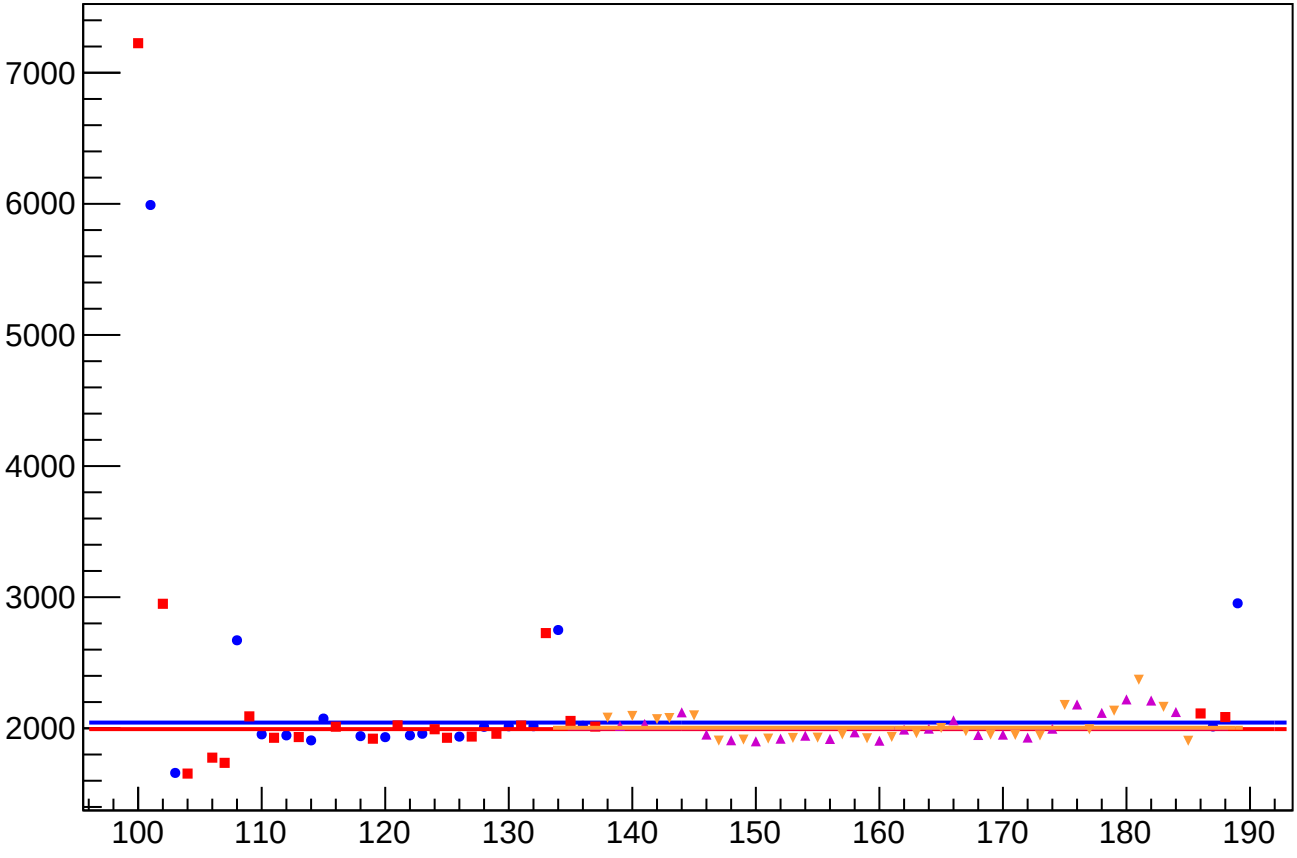
Left In: 108.365+/-477.899 $\chi^2$/NDF:25.0/22

+ sign 116.581+/-401.428 $\chi^2$/NDF: 43.5/43

All: -32.055+/-281.796 $\chi^2$/NDF: 85.1/87

- sign -176.459+/-395.673 $\chi^2$/NDF: 41.4/43

# dit_asym_atr_dd_rms vs Slug




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

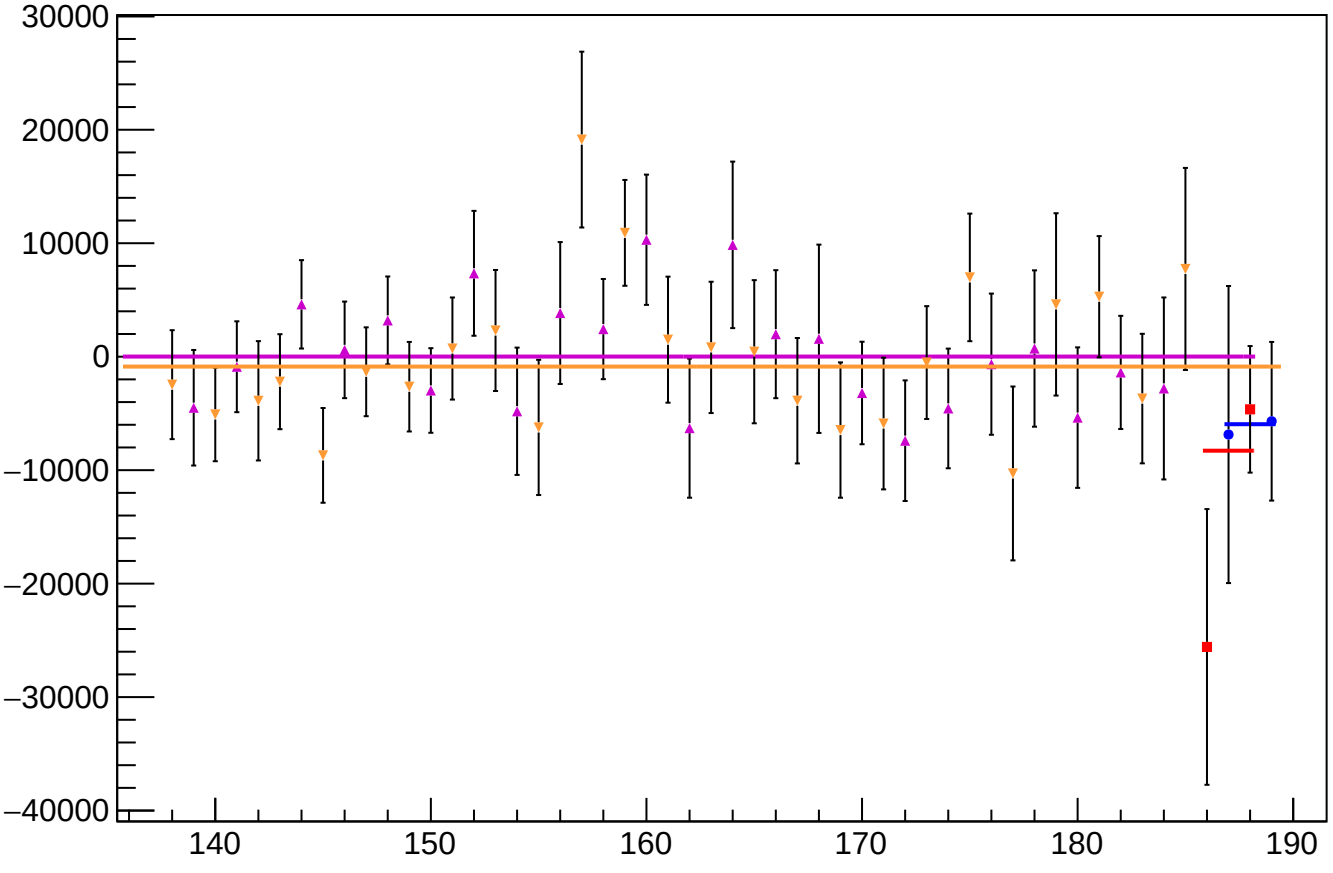
Left In: 2000.119+/-0.338 $\chi^2$/NDF:79688.8/22

+ sign 2014.645+/-0.284 $\chi^2$/NDF: 845996.9/43

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

- sign 1998.106+/-0.280 $\chi^2$/NDF: 381273.0/43

# asym_atr_dd_correction_mean vs Slug




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

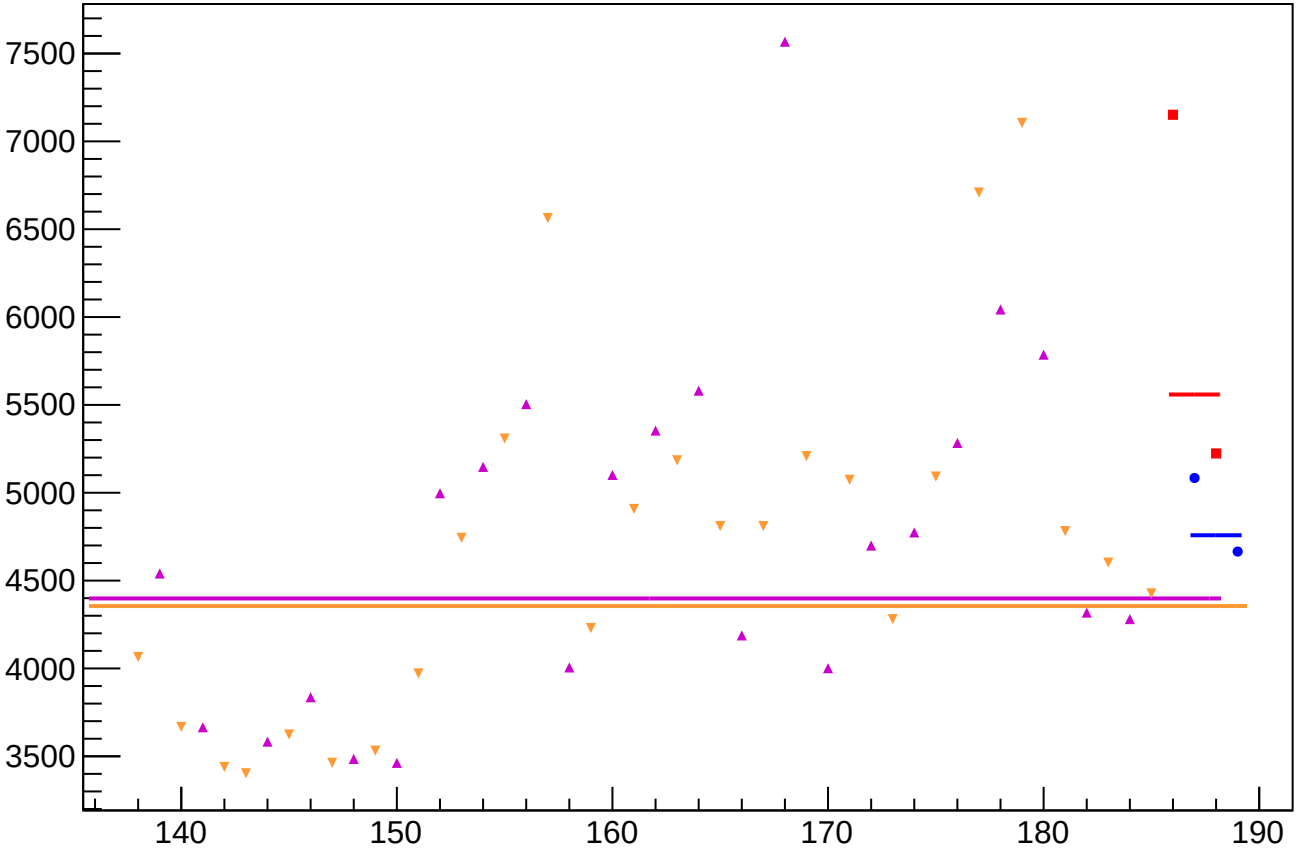
Left In: 10.945+/-1070.258 $\chi^2$/NDF:17.2/22

+ sign -1012.634+/-1028.769 $\chi^2$/NDF: 29.0/26

All: -683.814+/-733.868 $\chi^2$/NDF: 51.4/51

- sign -343.128+/-1047.168 $\chi^2$/NDF: 22.2/24

# asym_atr_dd_correction_rms vs Slug




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

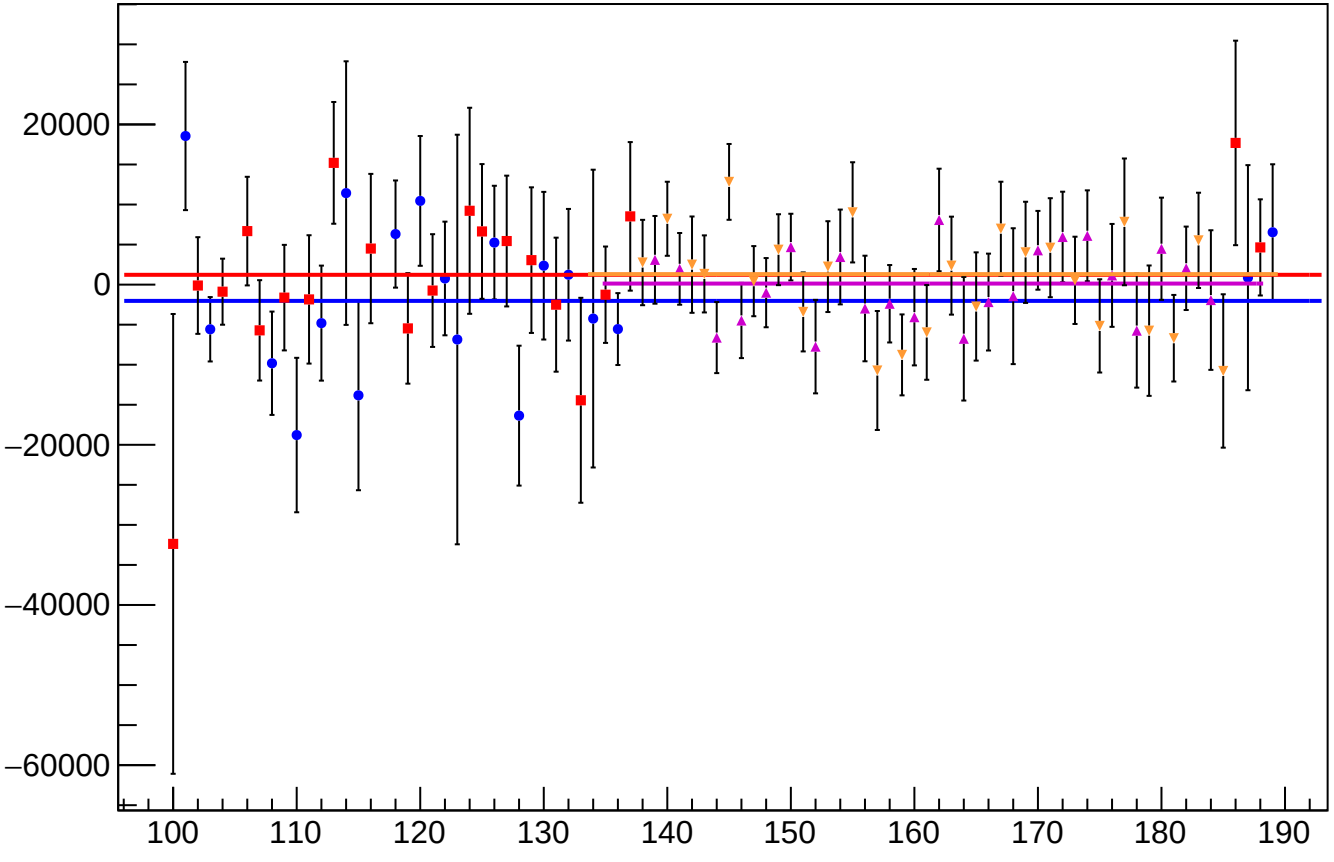
Left In: 4398.421+/-0.757 $\chi^2$/NDF:1278784.1/22

+ sign 4366.417+/-0.727 $\chi^2$/NDF: 1360386.3/26

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

- sign 4447.964+/-0.740 $\chi^2$/NDF: 1420782.6/24

# asym_atr_dd_mean vs Slug




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

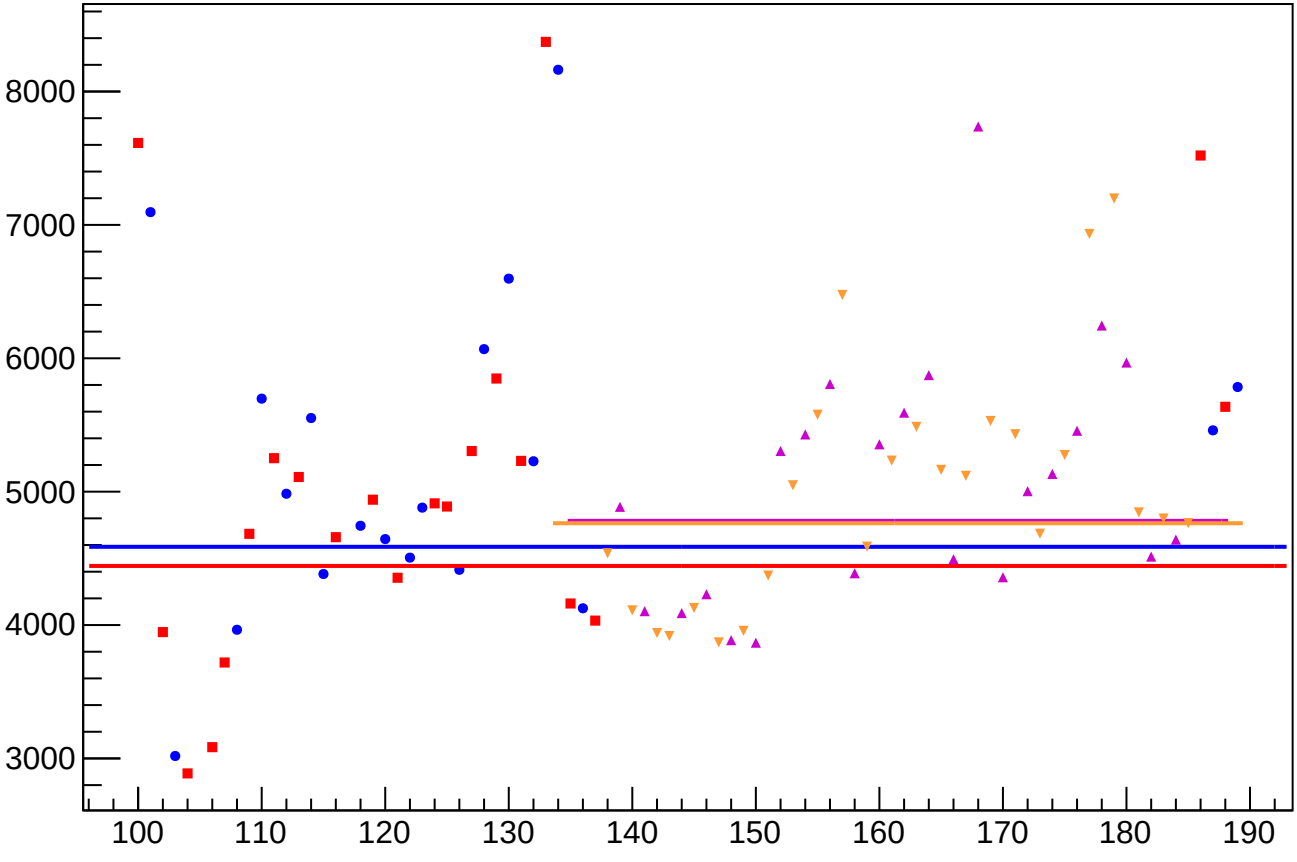
Left In: 131.428+/-1157.282 $\chi^2$/NDF:14.9/22

+ sign 318.556+/-949.405 $\chi^2$/NDF: 52.7/43

All: 411.719+/-668.128 $\chi^2$/NDF: 81.9/87

- sign 503.125+/-940.412 $\chi^2$/NDF: 29.2/43

# asym_atr_dd_rms vs Slug




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

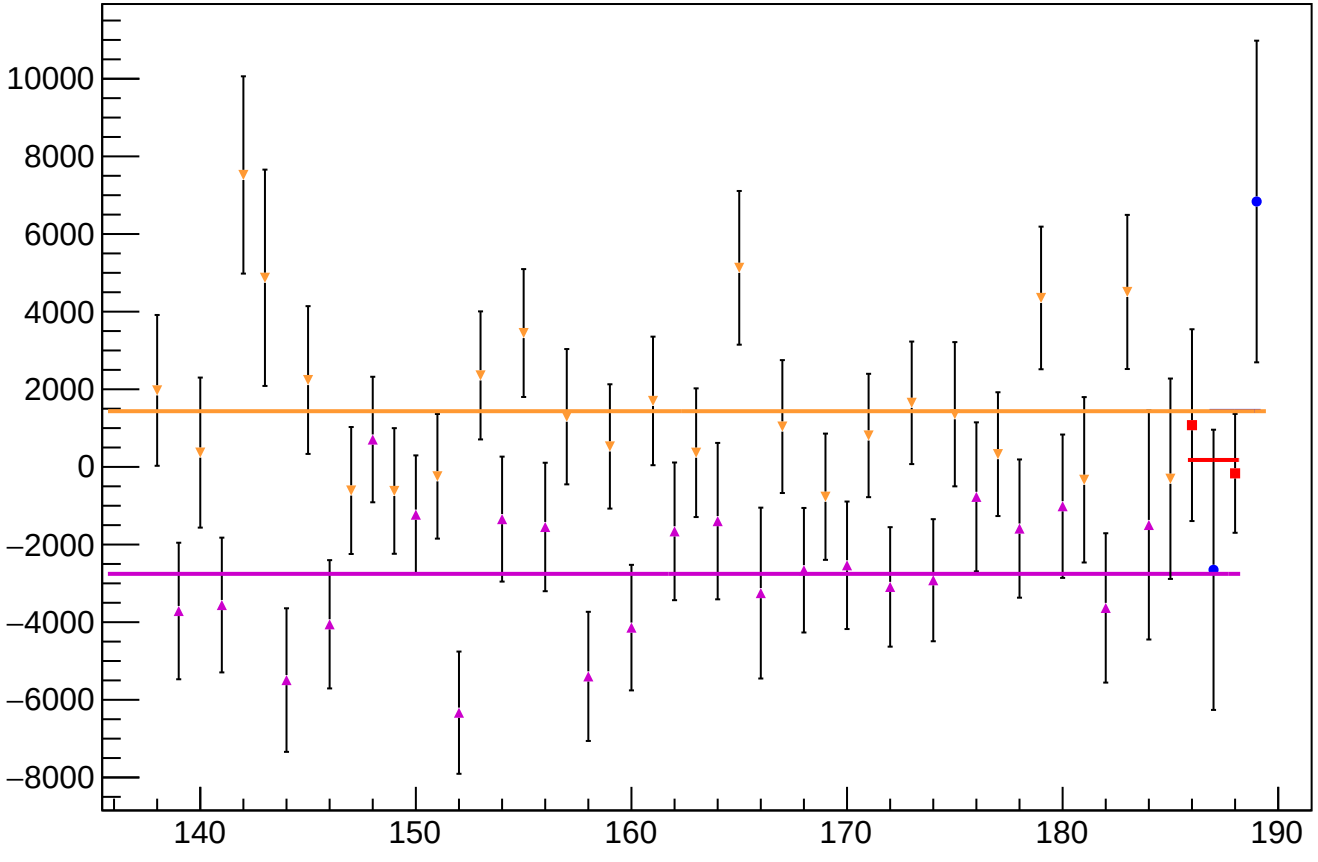
Left In: 4781.172+/-0.818 $\chi^2$/NDF:951542.2/22

+ sign 4710.921+/-0.671 $\chi^2$/NDF: 1776917.5/43

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

- sign 4665.591+/-0.664 $\chi^2$/NDF: 1992015.2/43

# dit_asym_atl_avg_atr_avg_avg_mean vs Slug




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

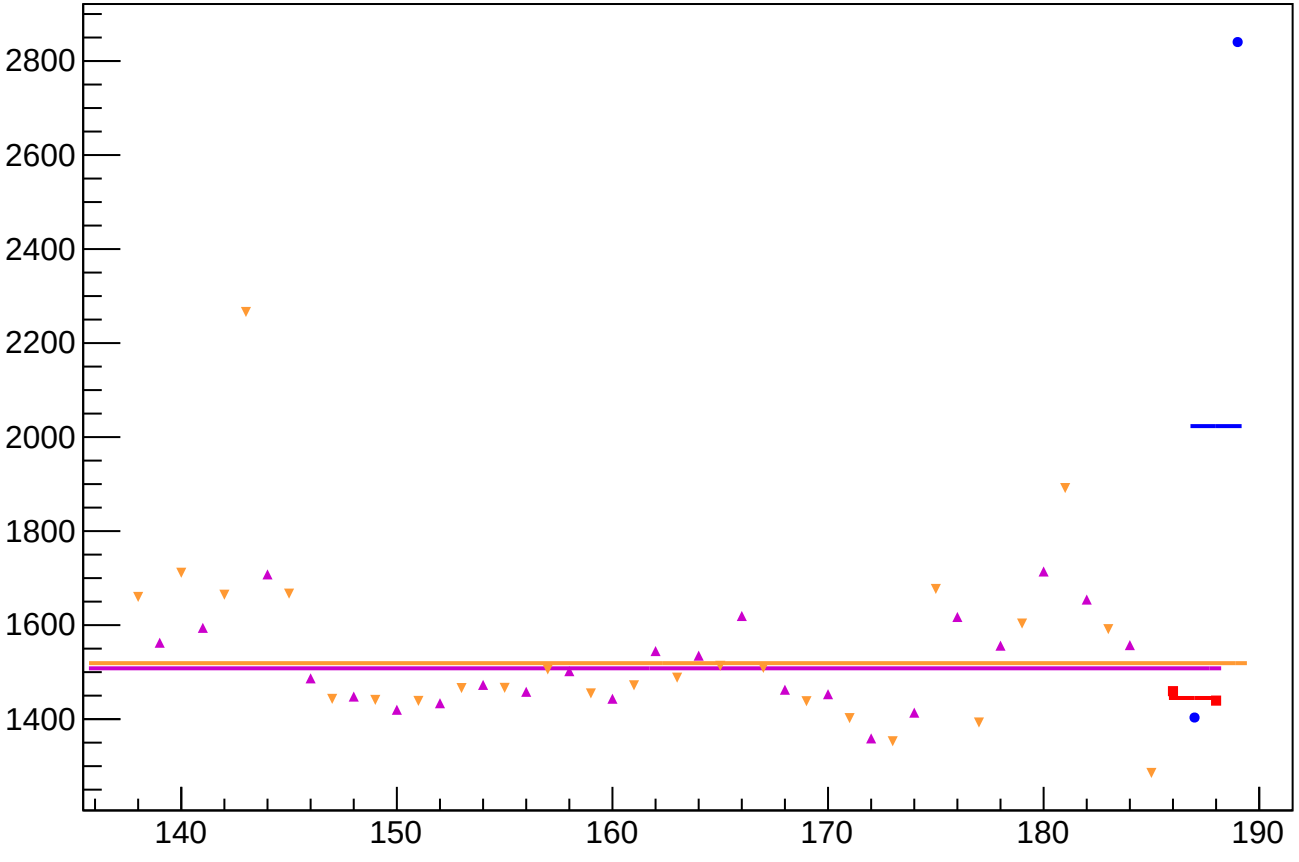
Left In: -2754.889+/-361.672 $\chi^2$/NDF:22.4/22

+ sign 1435.628+/-355.116 $\chi^2$/NDF: 29.7/26

All: -592.084+/-248.722 $\chi^2$/NDF: 121.0/51

- sign -2544.612+/-348.470 $\chi^2$/NDF: 27.3/24

# dit_asym_atl_avg_atr_avg_avg_rms vs Slug




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

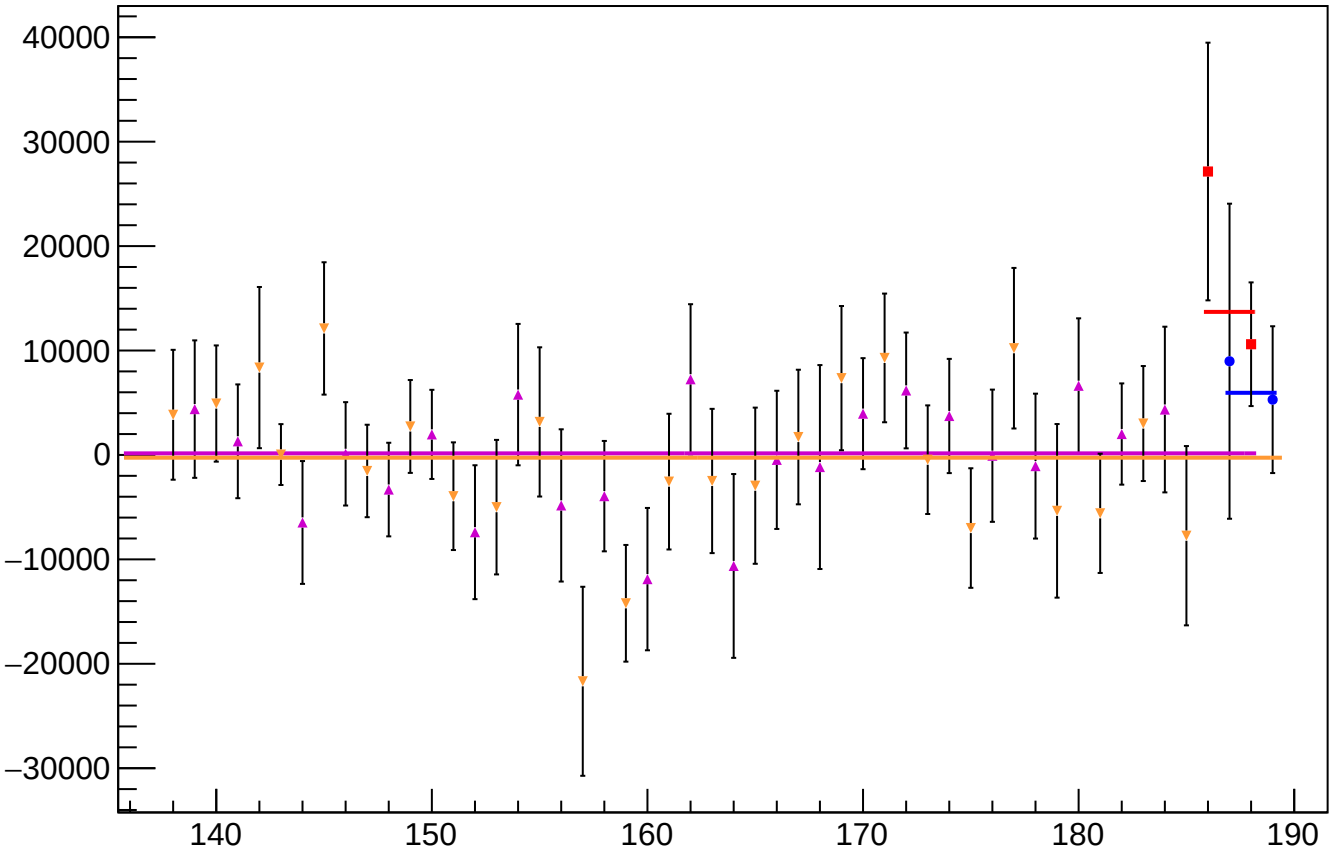
Left In: 1508.111+/-0.256 $\chi^2$/NDF:131488.7/22

+ sign 1527.678+/-0.251 $\chi^2$/NDF: 570106.1/26

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

- sign 1503.588+/-0.246 $\chi^2$/NDF: 135950.4/24

# asym_atl_avg_atr_avg_avg_correction_mean vs Slug




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

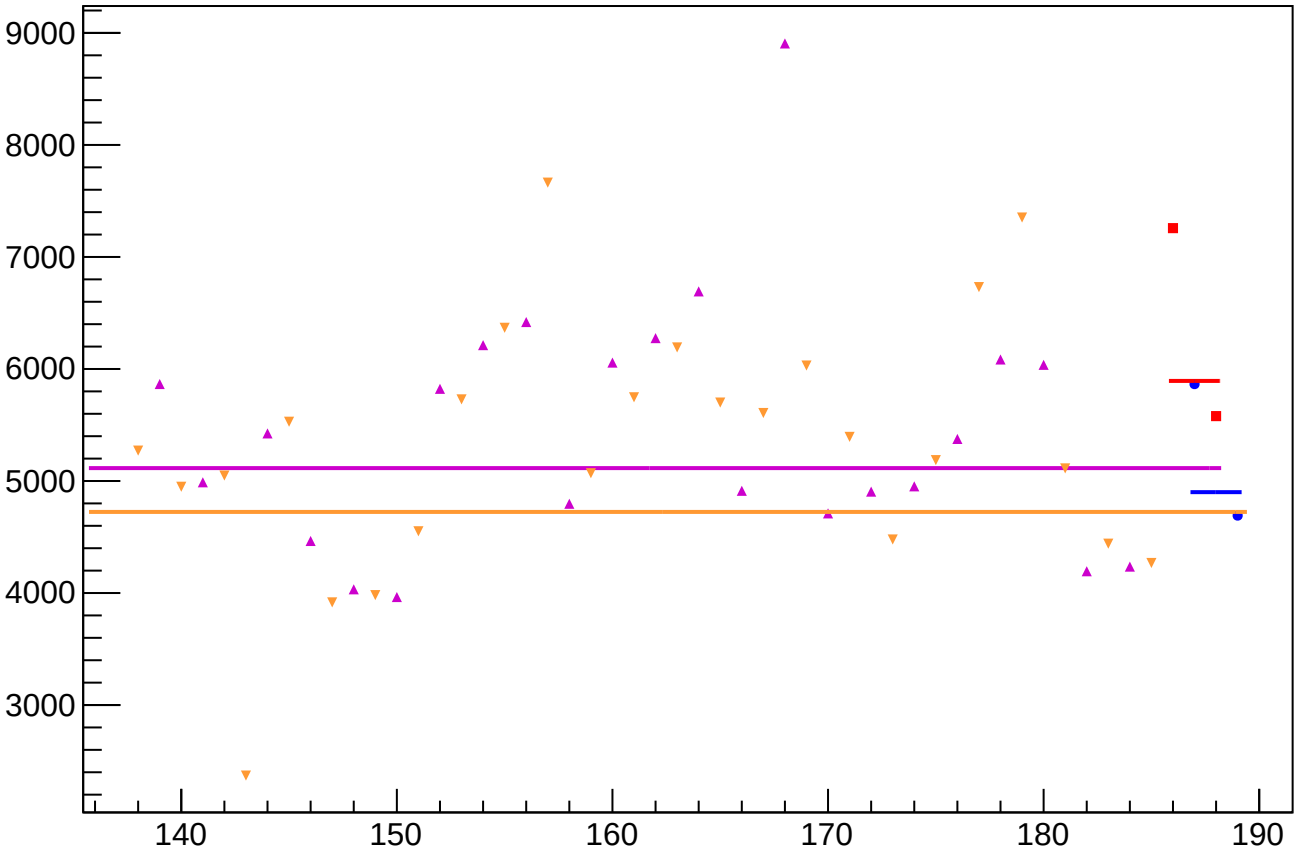
Left In: 151.239+/-1241.800 $\chi^2$/NDF:14.9/22

+ sign -67.892+/-1132.782 $\chi^2$/NDF: 30.7/26

All: 359.426+/-826.794 $\chi^2$/NDF: 53.4/51

- sign 846.593+/-1209.512 $\chi^2$/NDF: 22.4/24

# asym_atl_avg_atr_avg_avg_correction_rms vs Slug




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

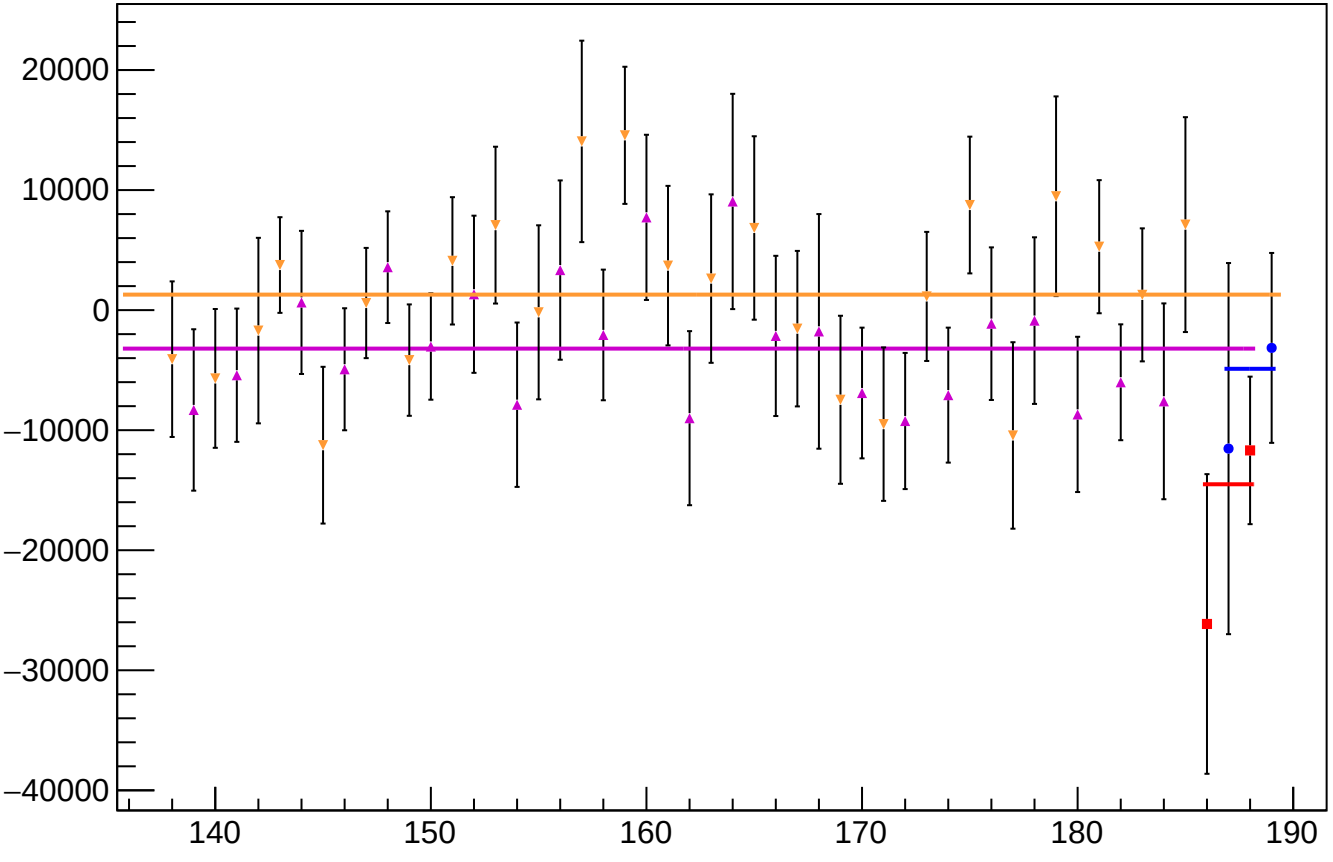
Left In: 5115.139+/-0.878 $\chi^2$/NDF:1131347.2/22

+ sign 4729.604+/-0.801 $\chi^2$/NDF: 2548963.5/26

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

- sign 5155.087+/-0.855 $\chi^2$/NDF: 1201738.8/24

# asym_atl_avg_atr_avg_avg_mean vs Slug




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

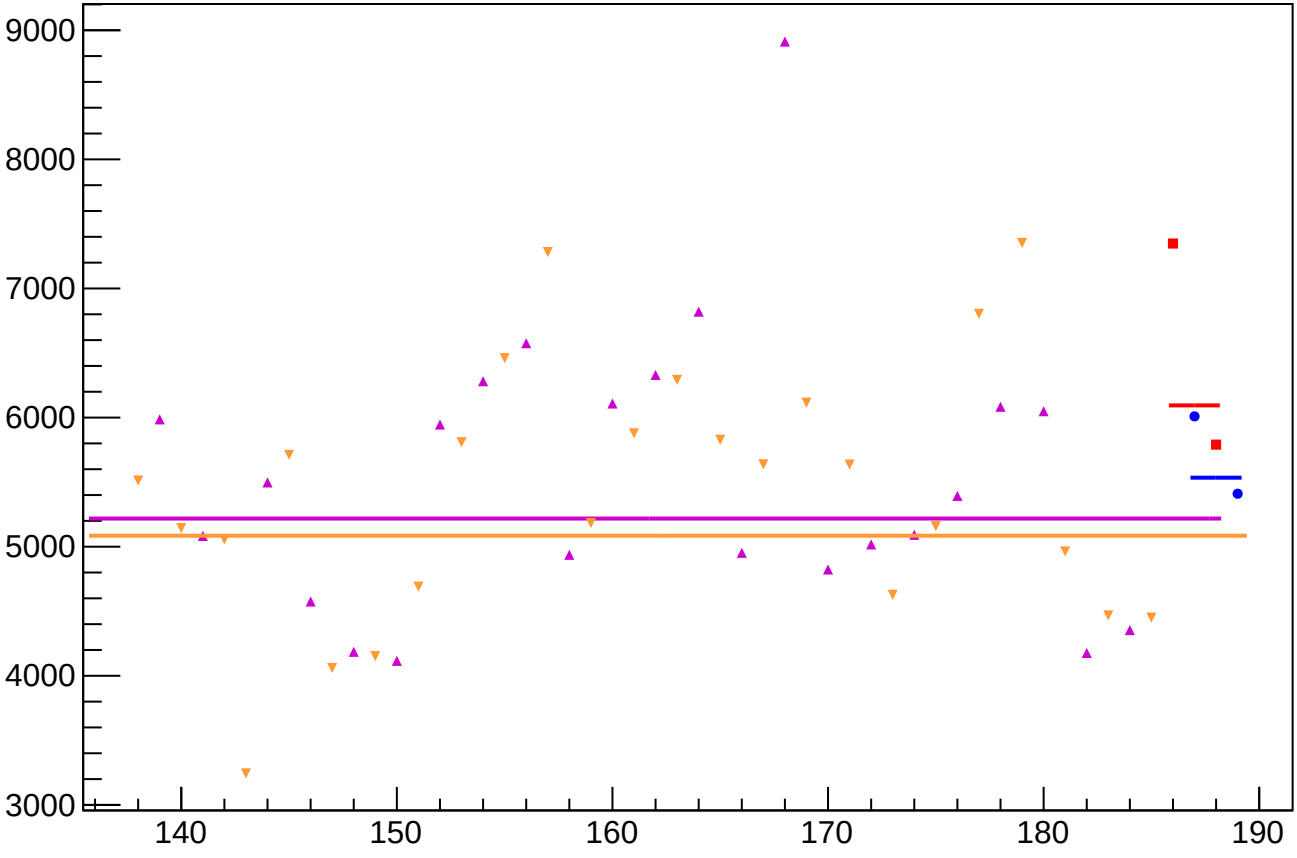
Left In: -3205.363+/-1265.586 $\chi^2$/NDF:13.9/22

+ sign 1113.368+/-1198.037 $\chi^2$/NDF: 28.8/26

All: -1257.670+/-859.403 $\chi^2$/NDF: 55.8/51

- sign -3771.144+/-1233.497 $\chi^2$/NDF: 18.9/24

# asym_atl_avg_atr_avg_avg_rms vs Slug




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

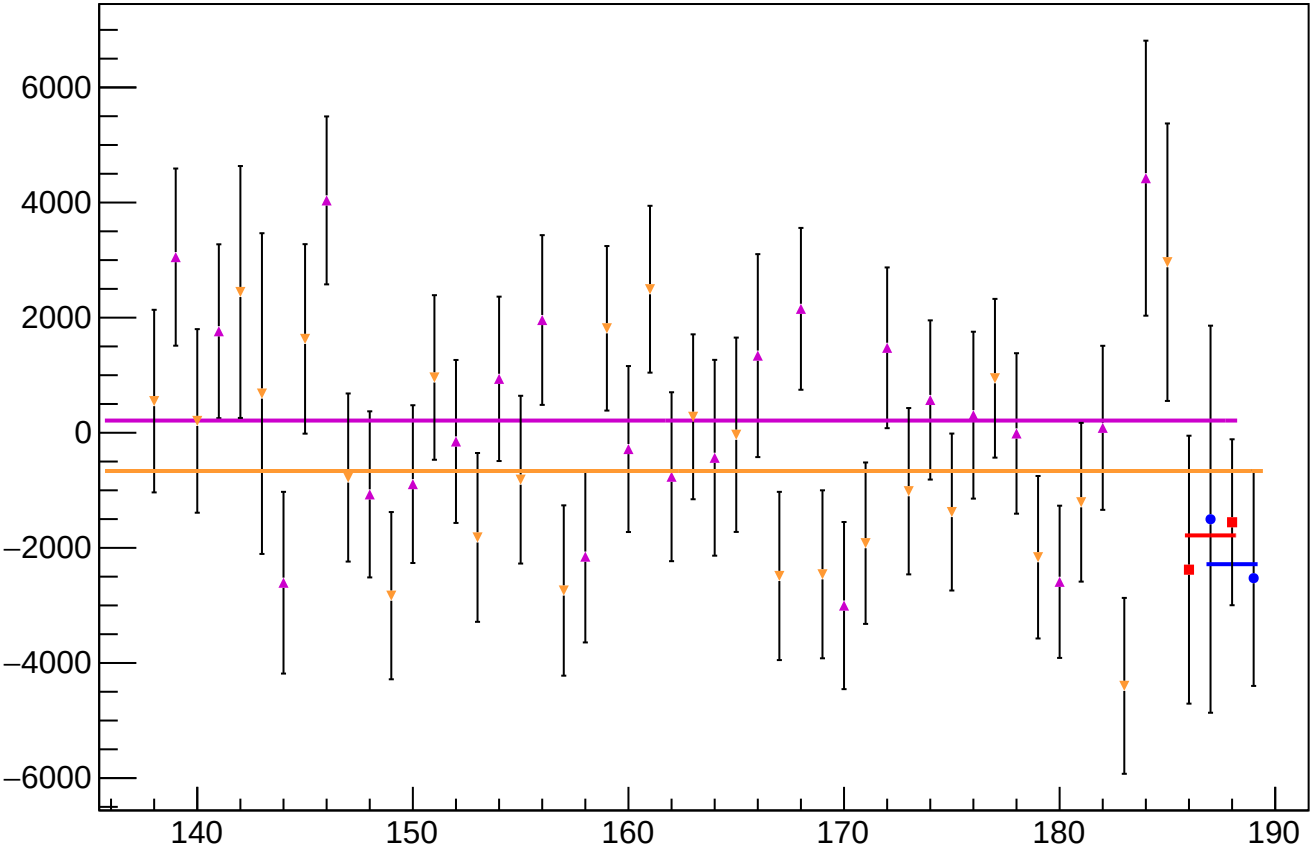
Left In: 5217.971+/-0.895 $\chi^2$/NDF:1058996.1/22

+ sign 5098.310+/-0.847 $\chi^2$/NDF: 1366983.9/26

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

- sign 5261.852+/-0.872 $\chi^2$/NDF: 1132083.3/24

# dit_asym_atl_avg_atr_avg_dd_mean vs Slug




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

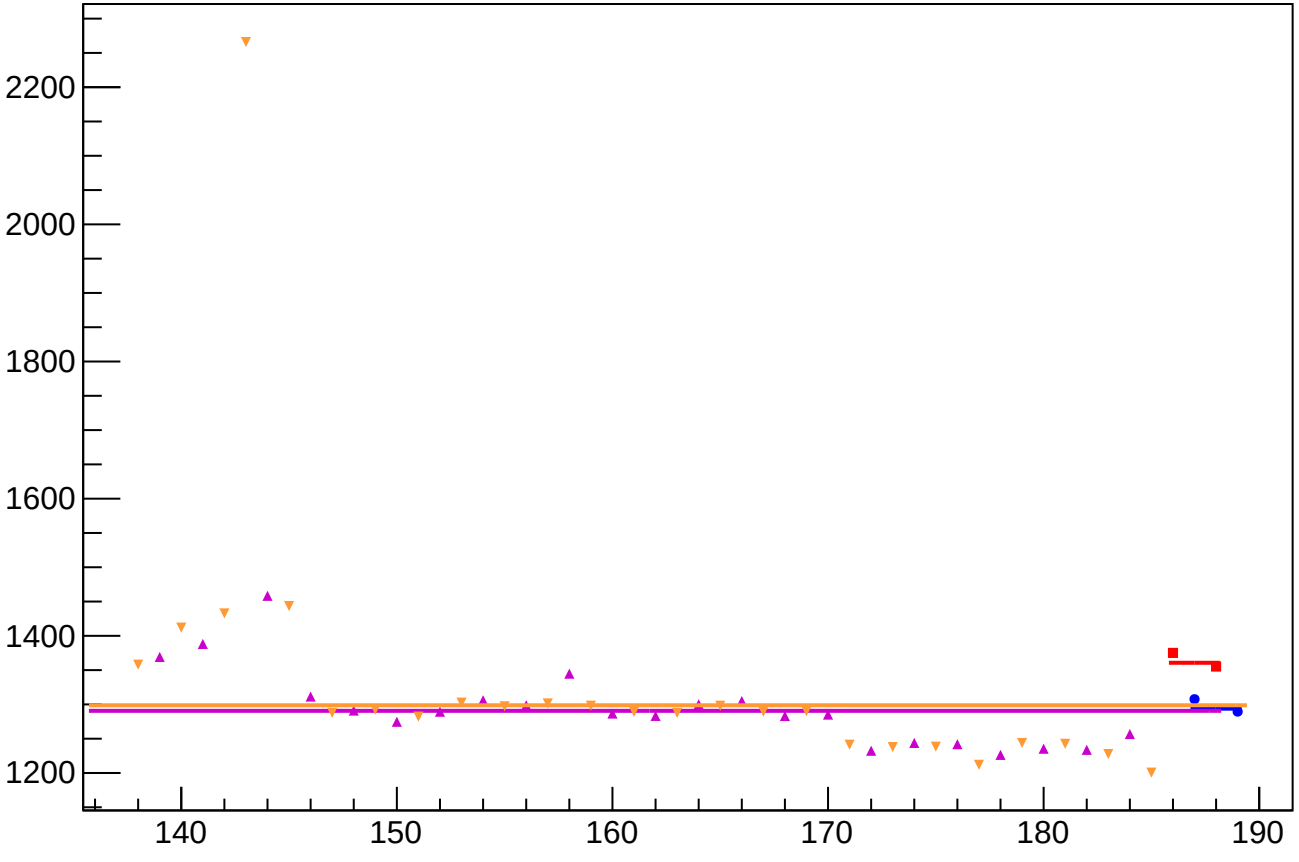
Left In: 212.071+/-308.597 $\chi^2$/NDF:36.6/22

+ sign -718.766+/-299.949 $\chi^2$/NDF: 35.6/26

All: -311.894+/-211.851 $\chi^2$/NDF: 78.5/51

- sign 93.101+/-299.256 $\chi^2$/NDF: 39.2/24

# dit_asym_atl_avg_atr_avg_dd_rms vs Slug




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

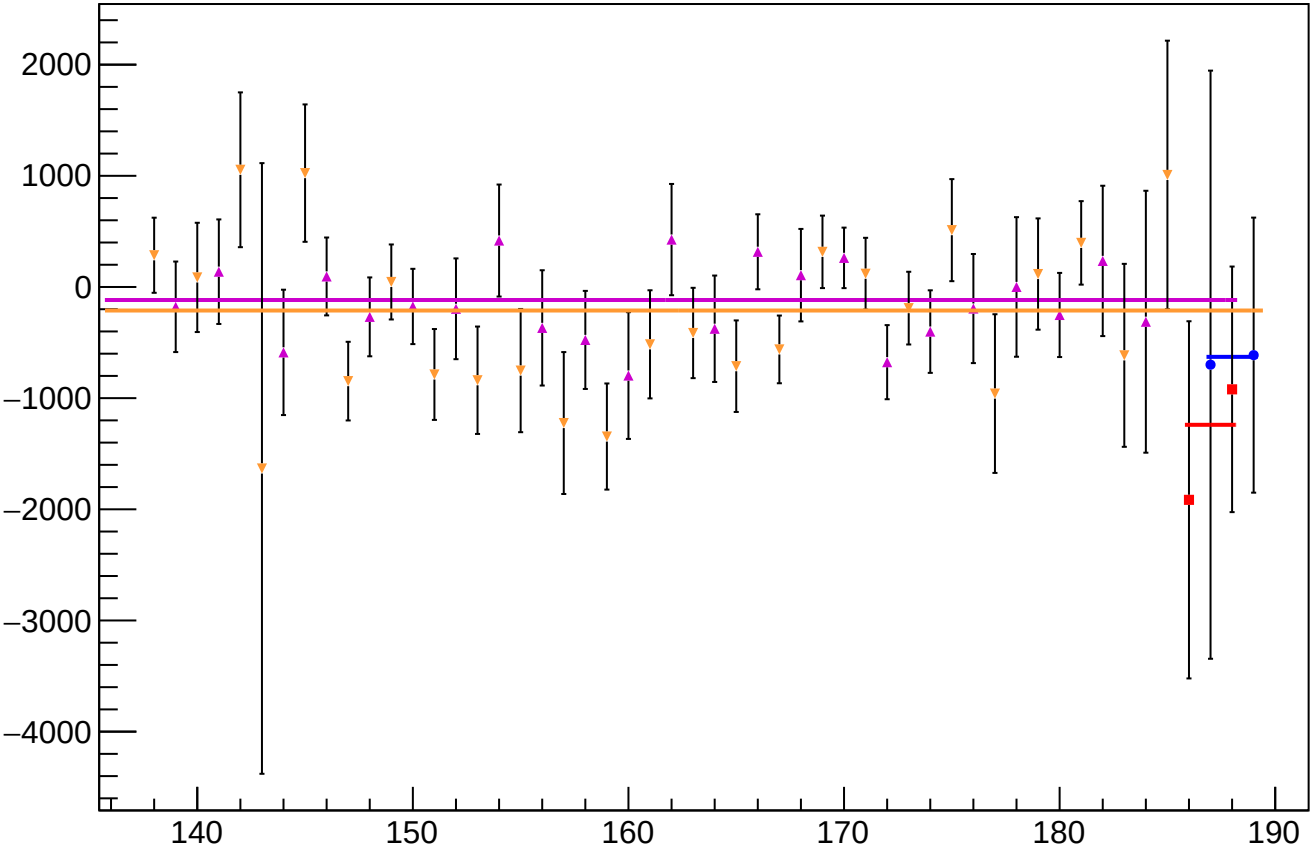
Left In: 1290.644+/-0.218 $\chi^2$/NDF:59427.8/22

+ sign 1298.577+/-0.212 $\chi^2$/NDF: 310406.5/26

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

- sign 1294.822+/-0.212 $\chi^2$/NDF: 65682.3/24

# asym_atl_avg_atr_avg_dd_correction_mean vs Slug




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

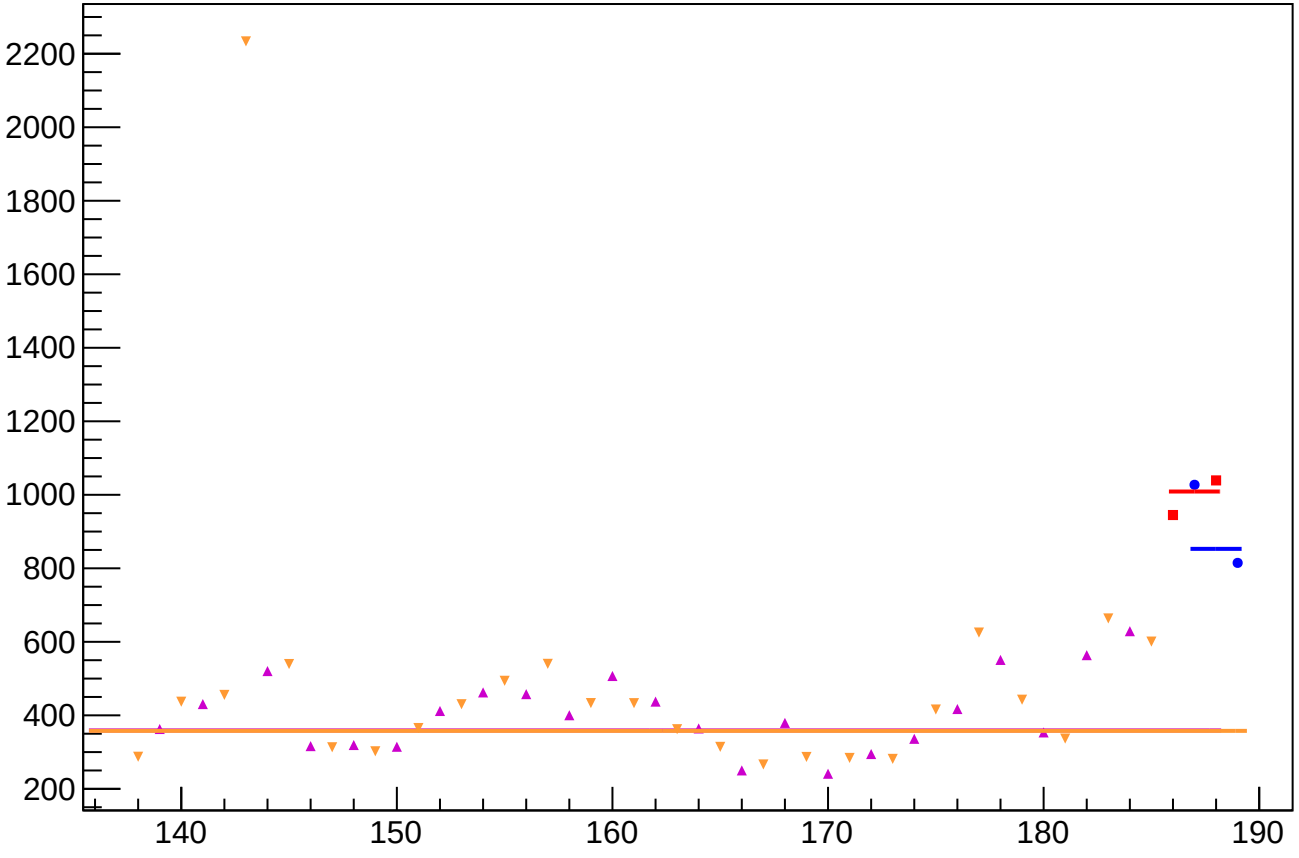
Left In: -117.113+/-88.214 $\chi^2$/NDF:14.3/22

+ sign -214.182+/-87.403 $\chi^2$/NDF: 41.8/26

All: -171.069+/-61.944 $\chi^2$/NDF: 58.4/51

- sign -127.561+/-87.803 $\chi^2$/NDF: 16.1/24

# asym_atl_avg_atr_avg_dd_correction_rms vs Slug




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

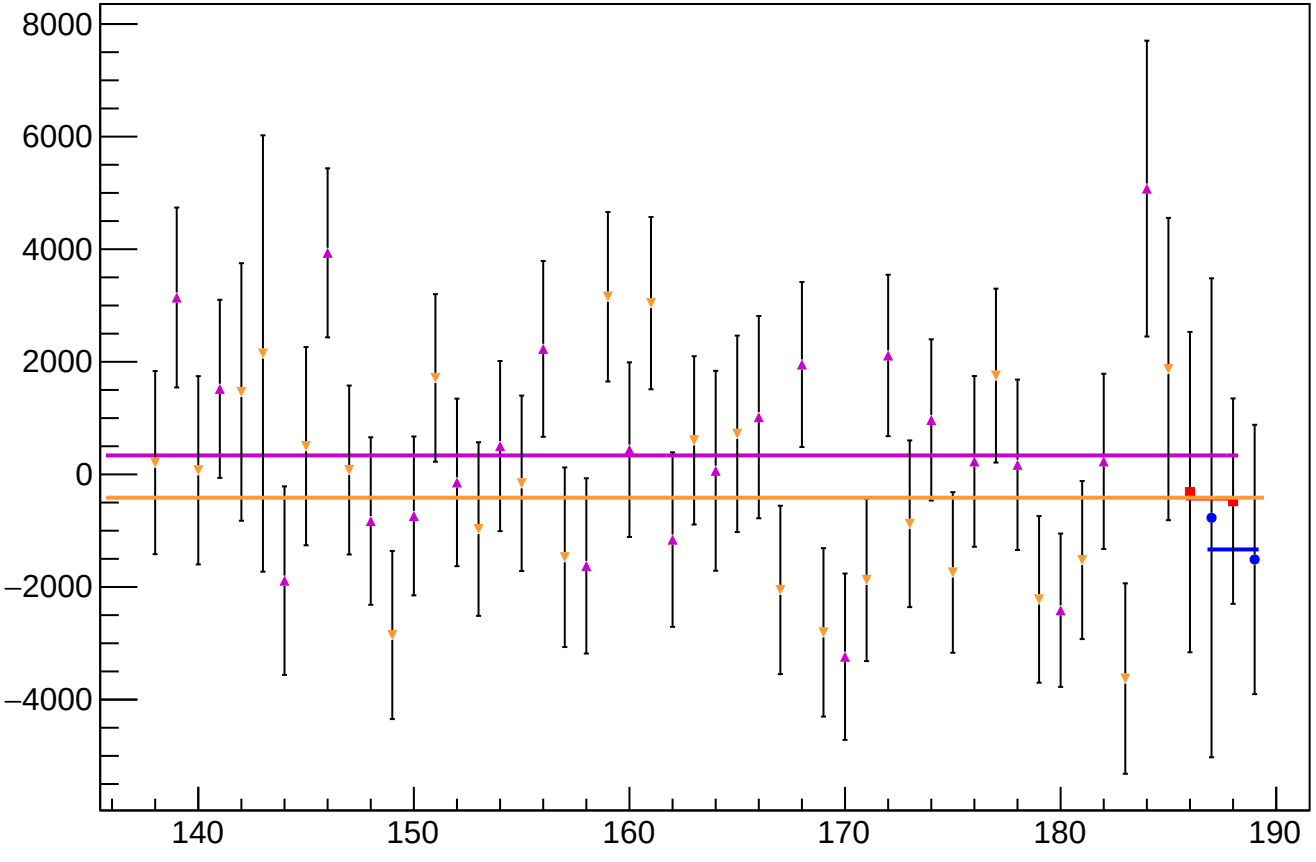
Left In: 359.000+/-0.062 $\chi^2$/NDF:1858849.9/22

+ sign 360.761+/-0.062 $\chi^2$/NDF: 3440731.2/26

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

- sign 365.048+/-0.062 $\chi^2$/NDF: 2873779.4/24

# asym_atl_avg_atr_avg_dd_mean vs Slug




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

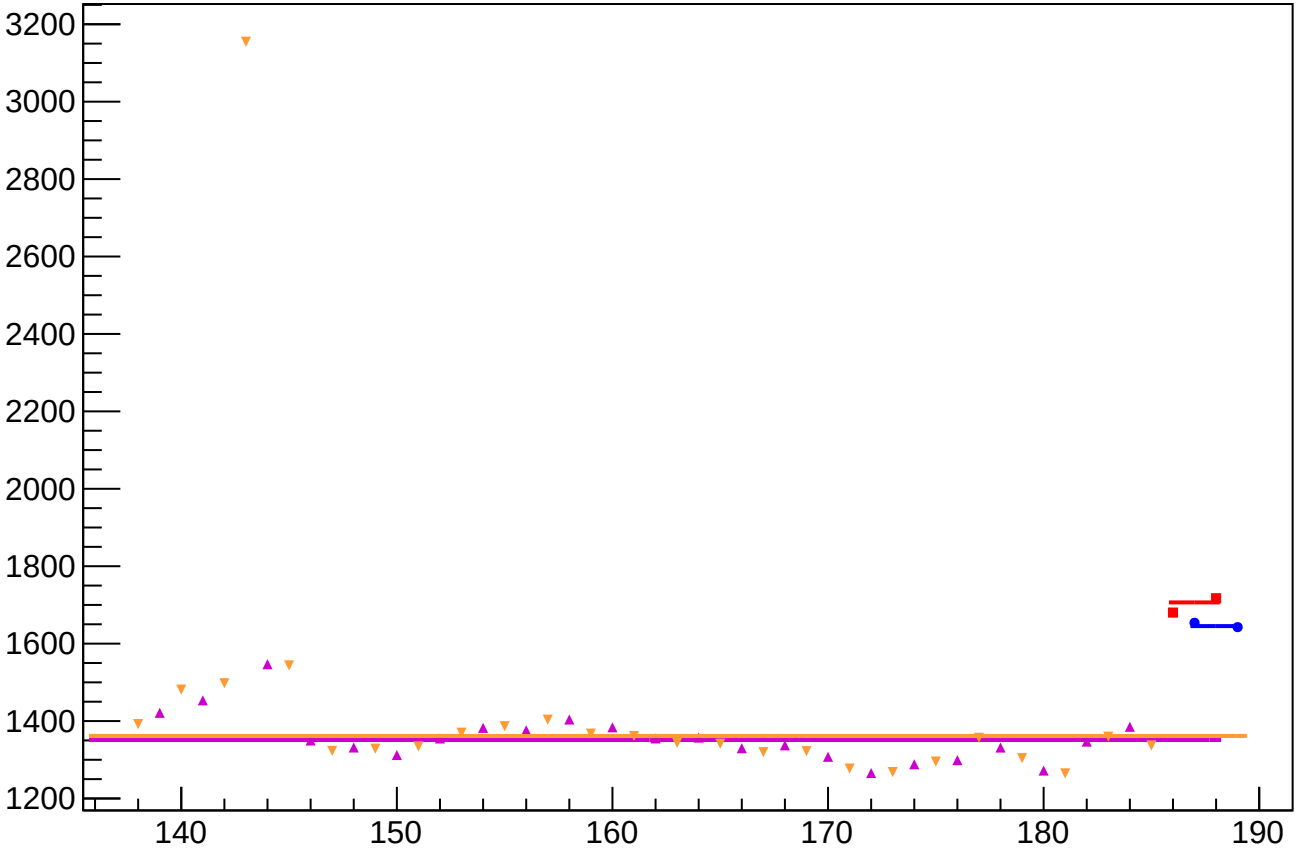
Left In: 337.193+/-323.023 $\chi^2$/NDF:32.8/22

+ sign -434.654+/-316.951 $\chi^2$/NDF: 33.0/26

All: -63.959+/-223.819 $\chi^2$/NDF: 68.8/51

- sign 304.764+/-316.107 $\chi^2$/NDF: 33.0/24

# asym_atl_avg_atr_avg_dd_rms vs Slug




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

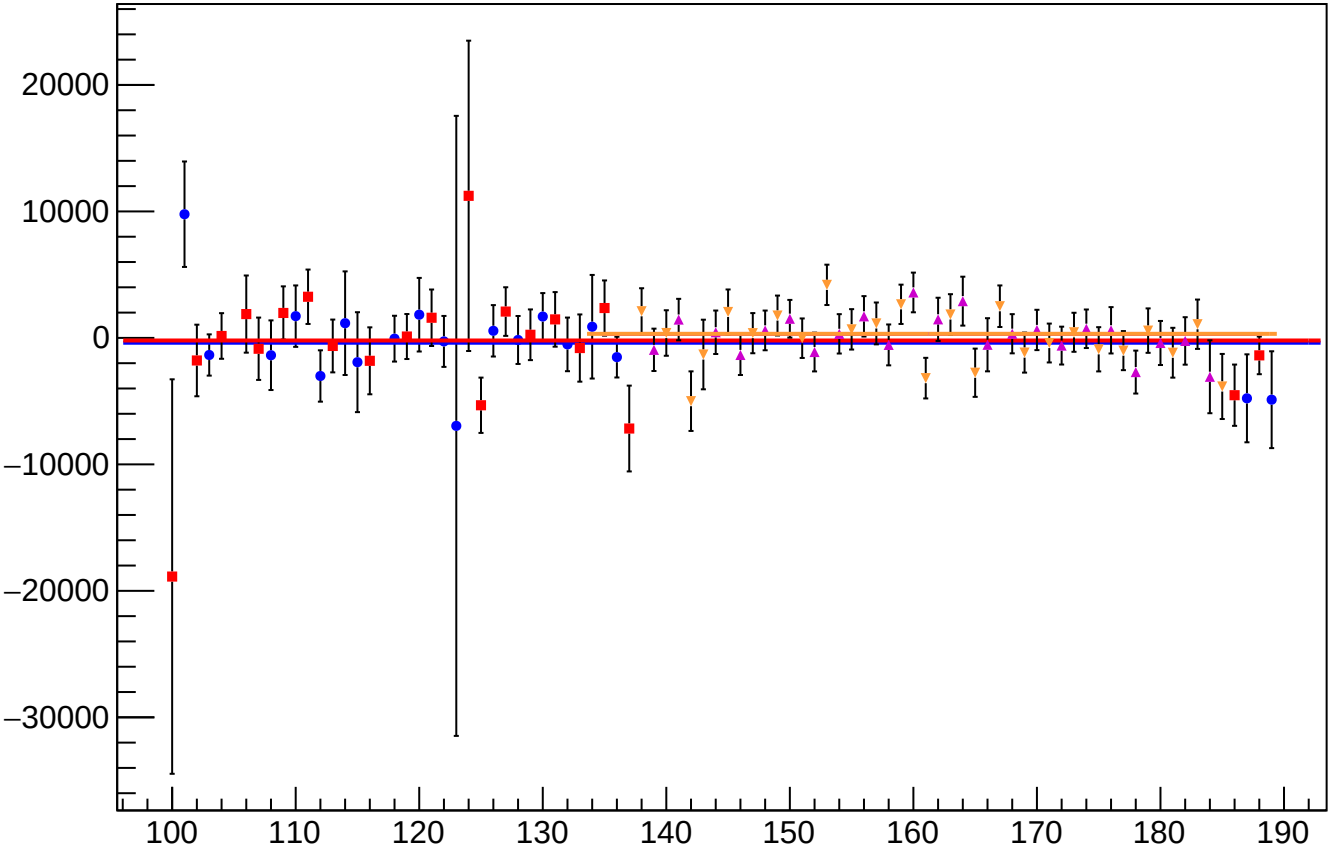
Left In: 1351.012+/-0.228 $\chi^2$/NDF:68978.1/22

+ sign 1368.067+/-0.224 $\chi^2$/NDF: 544073.9/26

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

- sign 1366.072+/-0.224 $\chi^2$/NDF: 171833.4/24

# dit_asym_atl_dd_atr_dd_avg_mean vs Slug




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

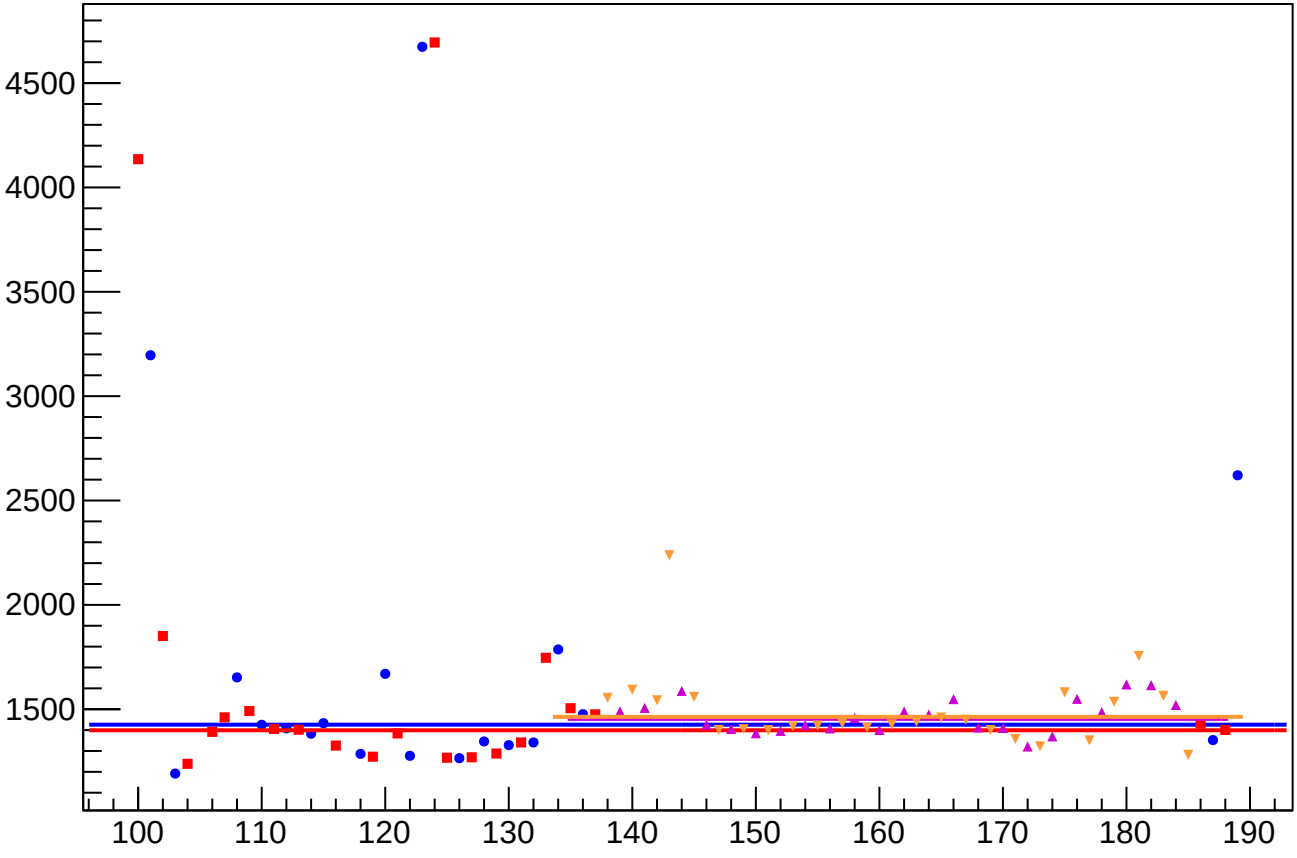
Left In: 310.833+/-348.292 $\chi^2$/NDF:16.8/22

+ sign 118.265+/-290.859 $\chi^2$/NDF: 48.5/43

All: 129.857+/-203.645 $\chi^2$/NDF: 91.0/87

- sign 141.004+/-285.218 $\chi^2$/NDF: 42.5/43

# dit_asym_atl_dd_atr_dd_avg_rms vs Slug




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

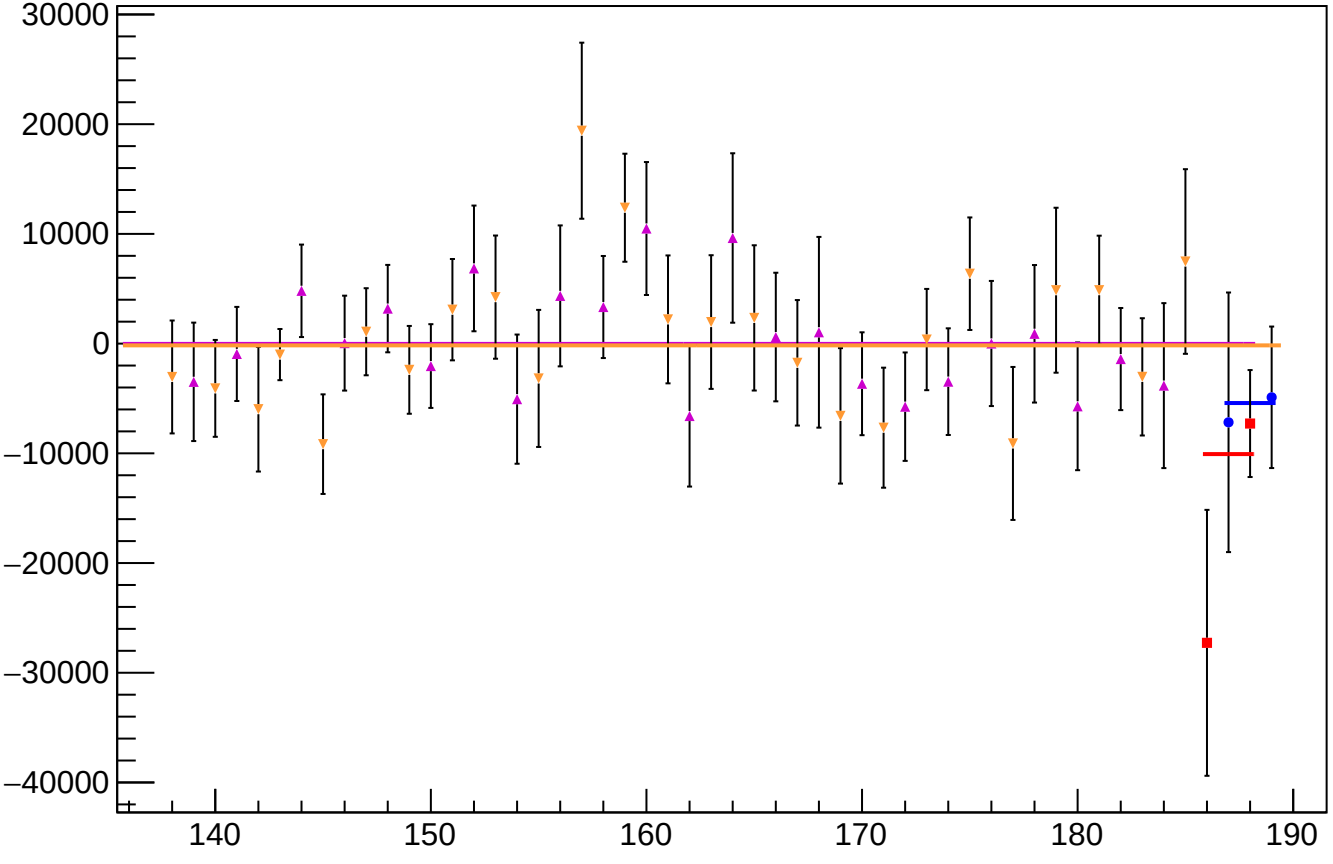
Left In: 1453.763+/-0.246 $\chi^2$/NDF:99224.2/22

+ sign 1452.838+/-0.206 $\chi^2$/NDF: 1042996.8/43

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

- sign 1435.789+/-0.202 $\chi^2$/NDF: 469123.2/43

# asym_atl_dd_atr_dd_avg_correction_mean vs Slug




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

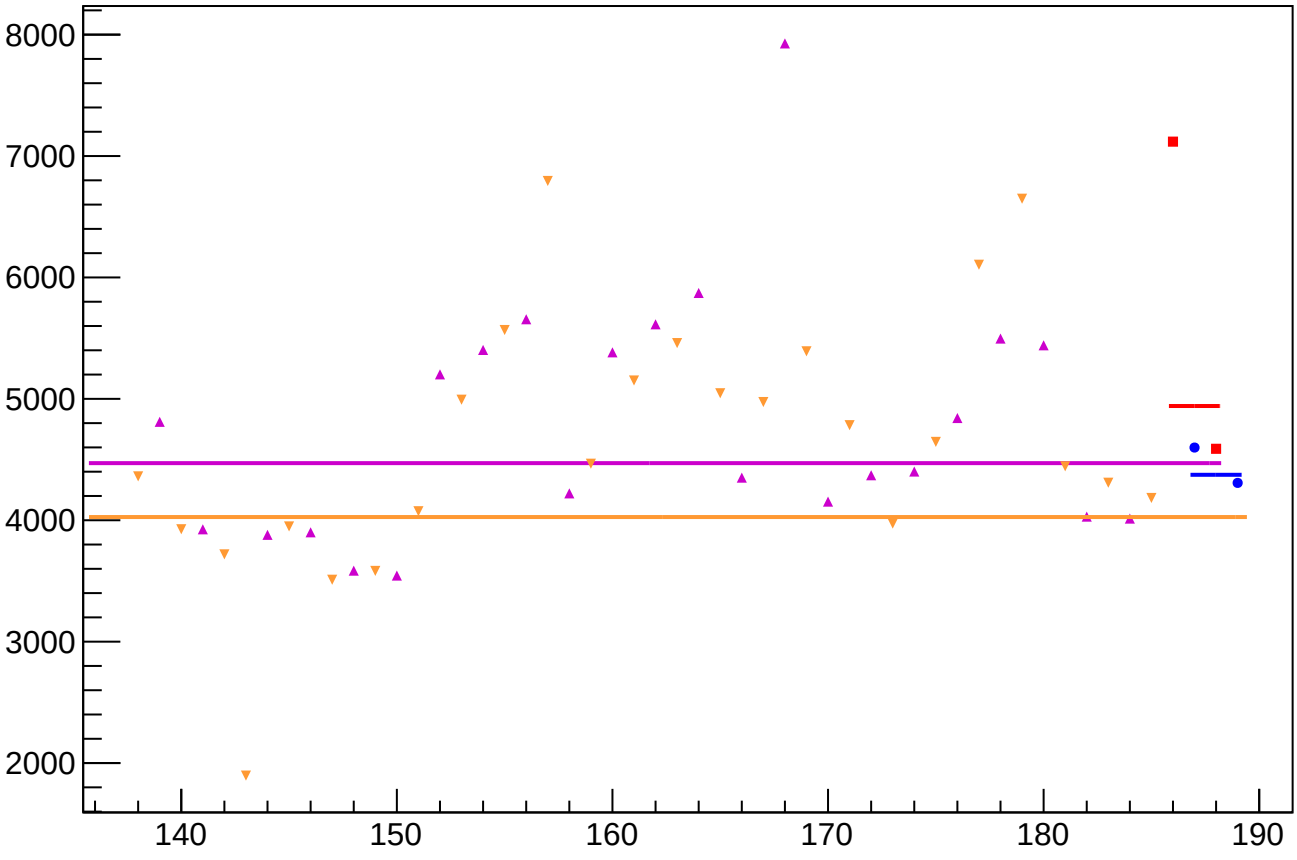
Left In: -26.926+/-1085.415 $\chi^2$/NDF:15.3/22

+ sign -315.835+/-974.582 $\chi^2$/NDF: 30.6/26

All: -434.566+/-716.017 $\chi^2$/NDF: 52.9/51

- sign -573.817+/-1055.447 $\chi^2$/NDF: 22.3/24

# asym_atl_dd_atr_dd_avg_correction_rms vs Slug




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

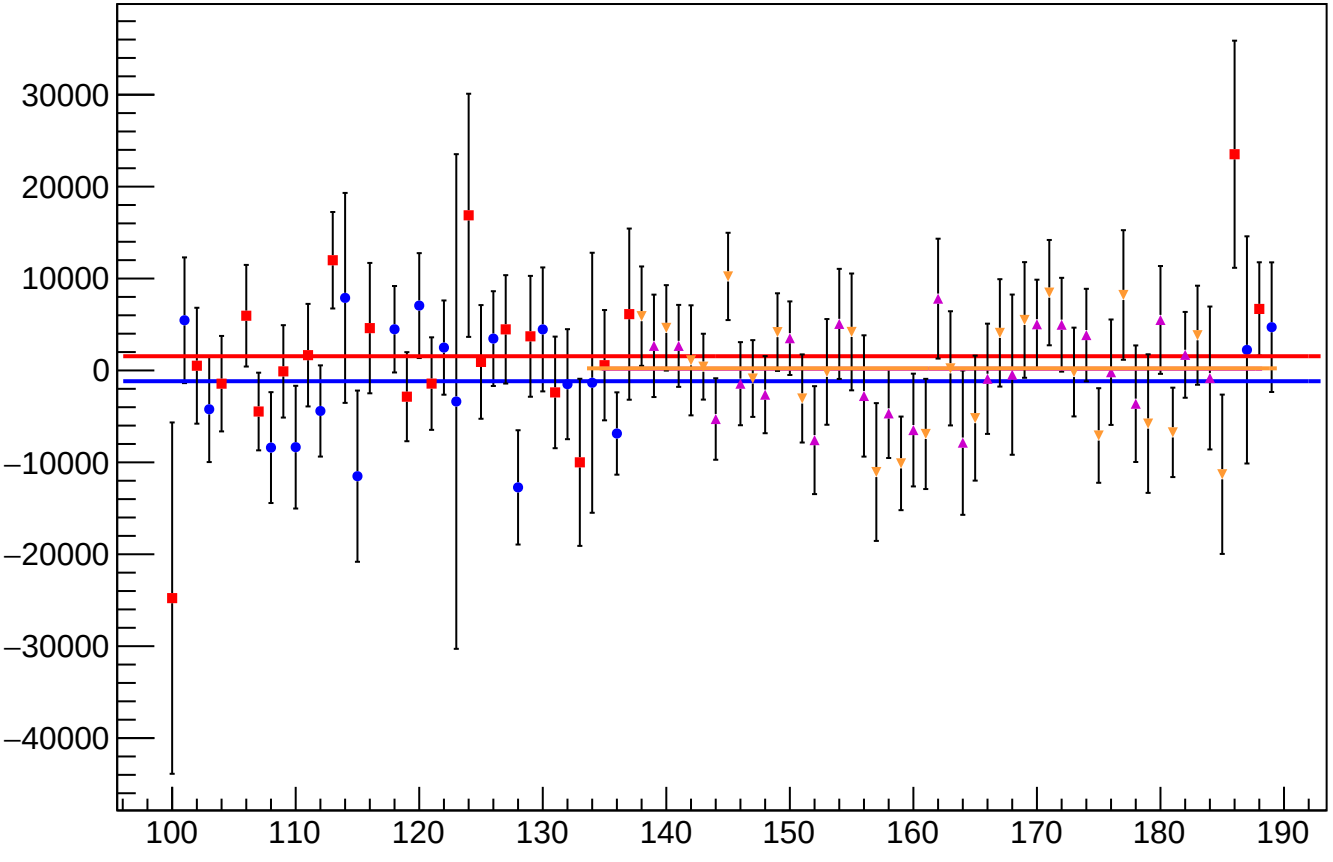
Left In: 4470.490+/-0.768 $\chi^2$/NDF:1132495.2/22

+ sign 4036.757+/-0.689 $\chi^2$/NDF: 3079529.2/26

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

- sign 4496.111+/-0.746 $\chi^2$/NDF: 1227980.7/24

# asym_atl_dd_atr_dd_avg_mean vs Slug




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

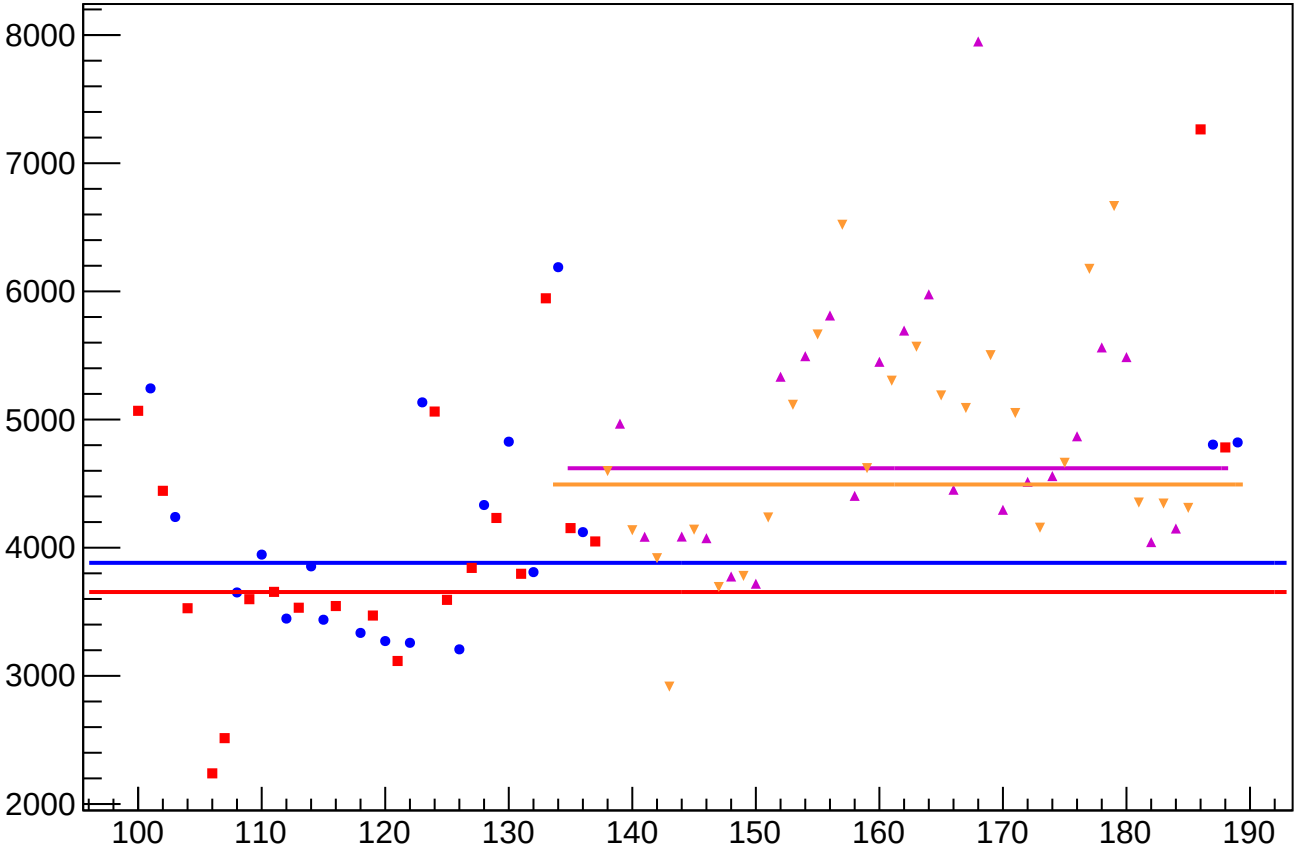
Left In: 185.280+/-1119.296 $\chi^2$/NDF:14.3/22

+ sign -263.479+/-864.084 $\chi^2$/NDF: 46.2/43

All: 250.636+/-607.591 $\chi^2$/NDF: 80.3/87

- sign 753.435+/-854.523 $\chi^2$/NDF: 33.4/43

# asym_atl_dd_atr_dd_avg_rms vs Slug




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

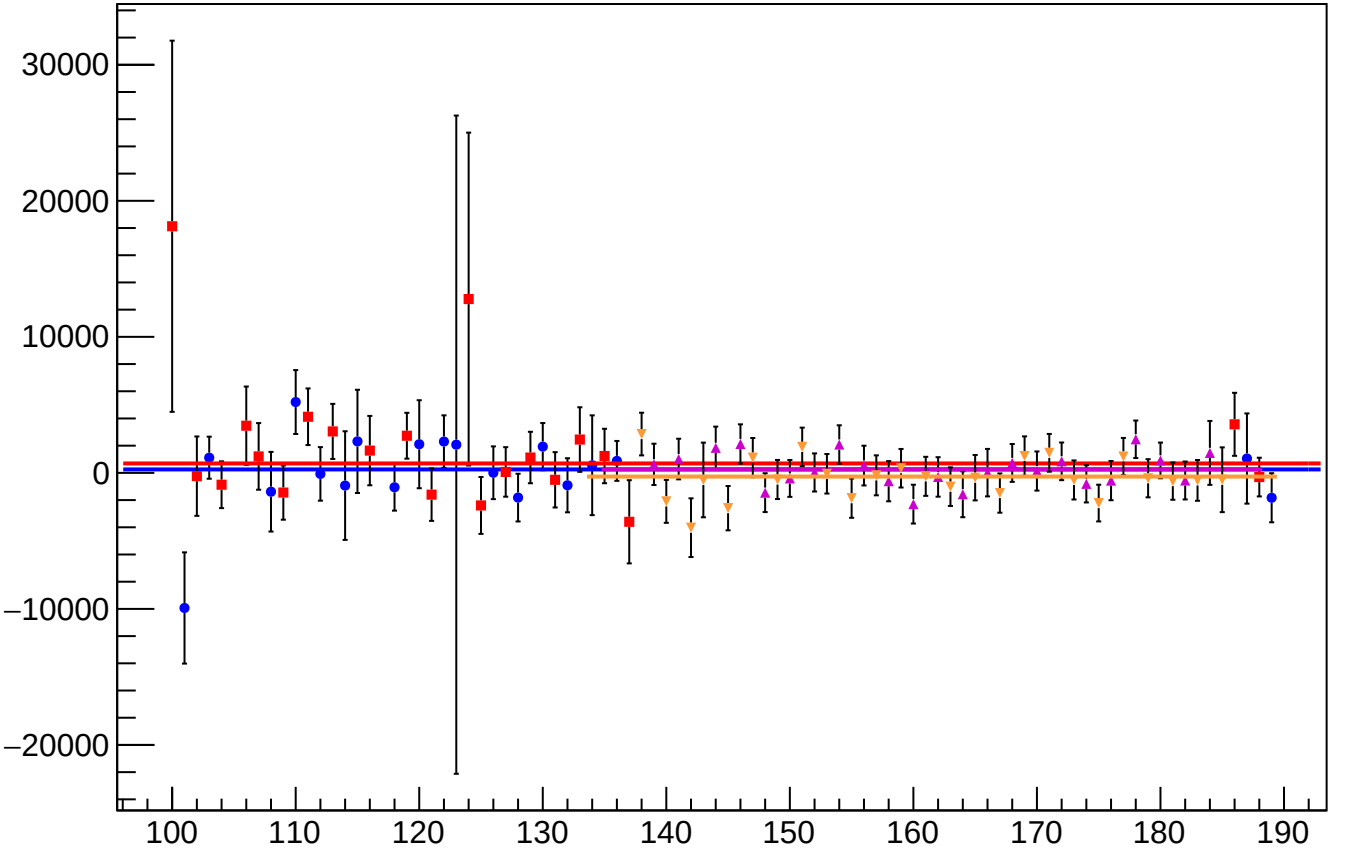
Left In: 4619.952+/-0.791 $\chi^2$/NDF:1001966.3/22

+ sign 4277.995+/-0.611 $\chi^2$/NDF: 1921443.4/43

All: 4245.077+/-0.429 $\chi^2$/NDF: 4398243.4/87

- sign 4213.109+/-0.602 $\chi^2$/NDF: 2471078.5/43

# dit_asym_atl_dd_atr_dd_dd_mean vs Slug




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

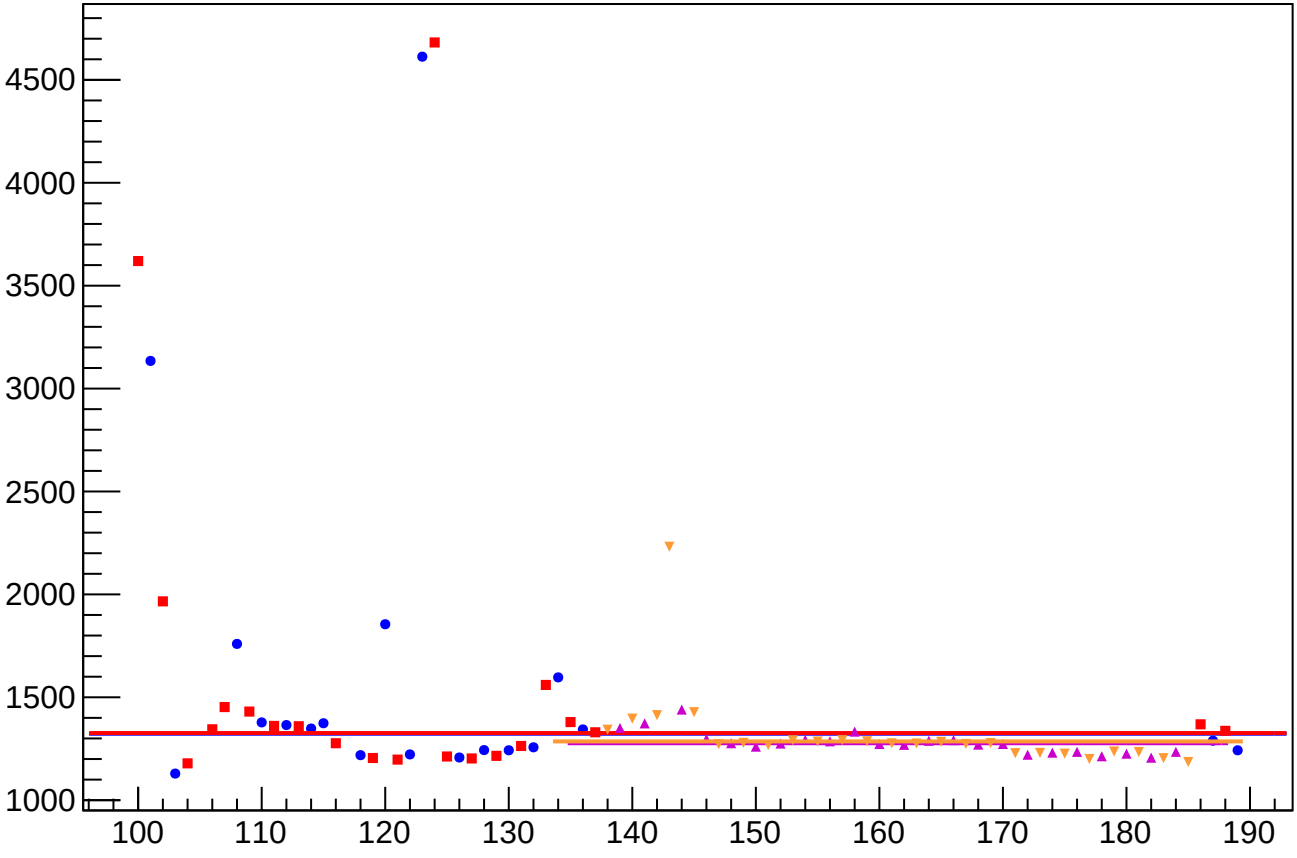
Left In: 258.285+/-305.289 $\chi^2$/NDF:16.0/22

+ sign -130.817+/-258.651 $\chi^2$/NDF: 41.0/43

All: 130.773+/-181.971 $\chi^2$/NDF: 79.7/87

- sign 387.146+/-256.059 $\chi^2$/NDF: 36.7/43

# dit_asym_atl_dd_atr_dd_dd_rms vs Slug




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

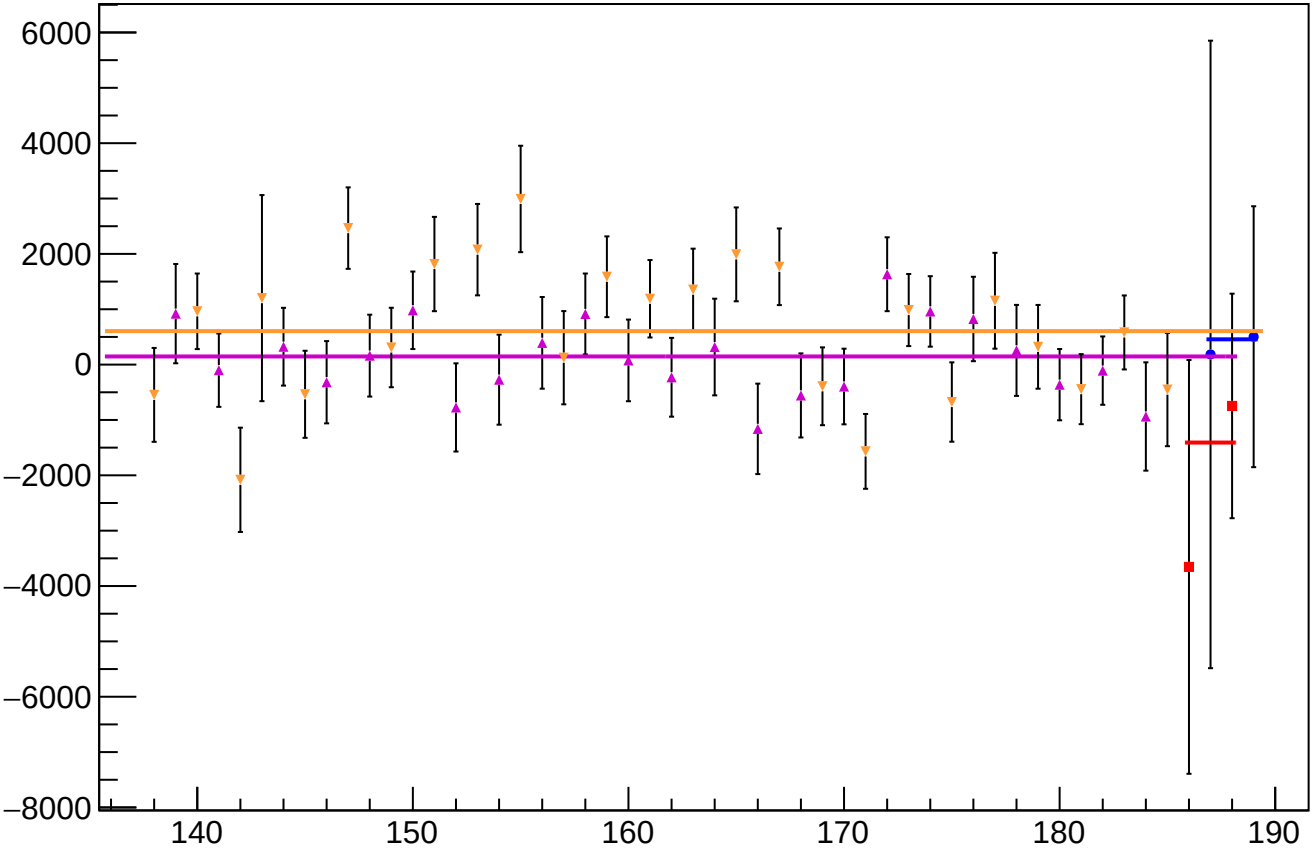
Left In: 1276.755+/-0.216 $\chi^2$/NDF:59434.2/22

+ sign 1295.585+/-0.183 $\chi^2$/NDF: 922411.3/43

All: 1293.473+/-0.129 $\chi^2$/NDF: 1392933.0/87

- sign 1291.403+/-0.181 $\chi^2$/NDF: 470257.7/43

# asym_atl_dd_atr_dd_dd_correction_mean vs Slug




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

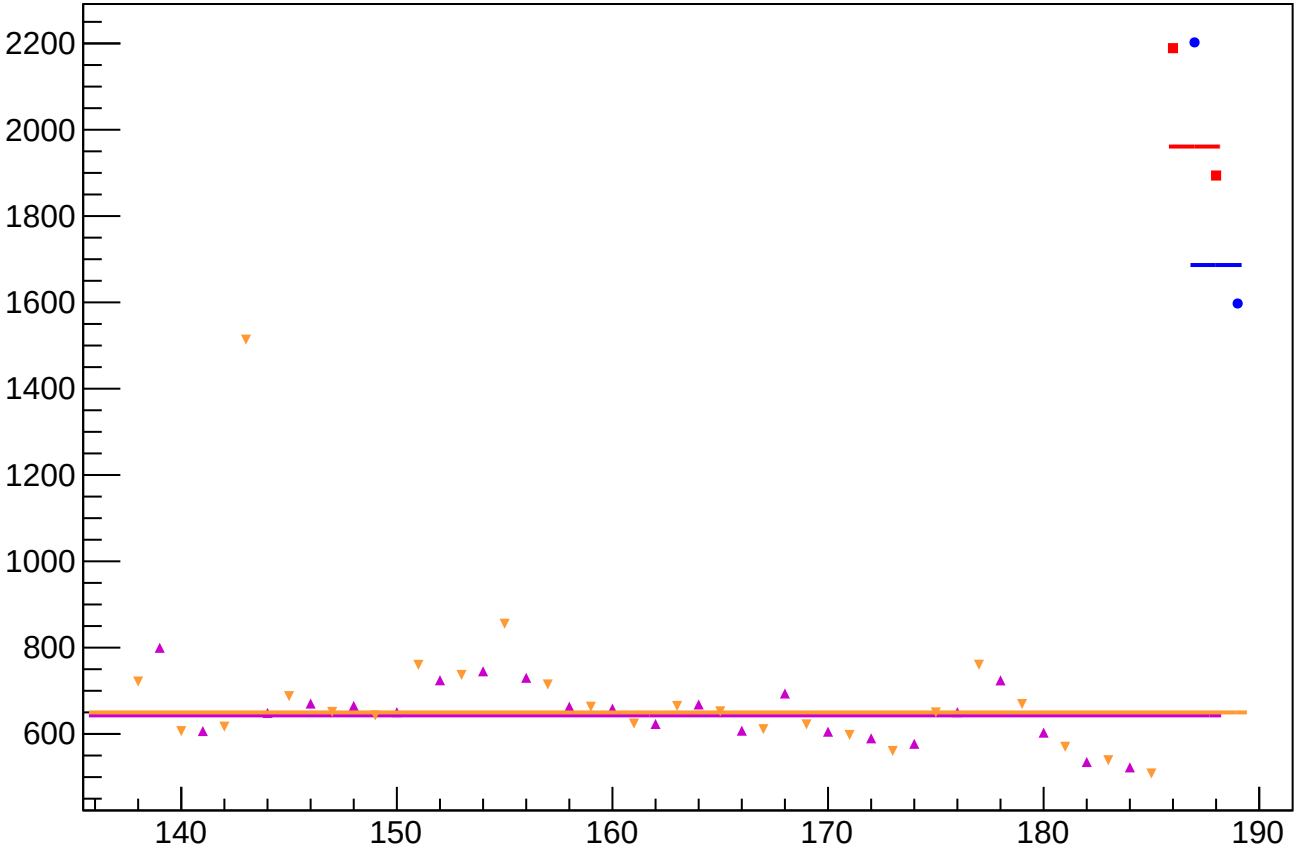
Left In: 147.044+/-154.051 $\chi^2$/NDF:19.4/22

+ sign 604.427+/-153.538 $\chi^2$/NDF: 60.0/26

All: 369.881+/-108.547 $\chi^2$/NDF: 85.2/51

- sign 135.515+/-153.479 $\chi^2$/NDF: 20.6/24

# asym_atl_dd_atr_dd_dd_correction_rms vs Slug




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

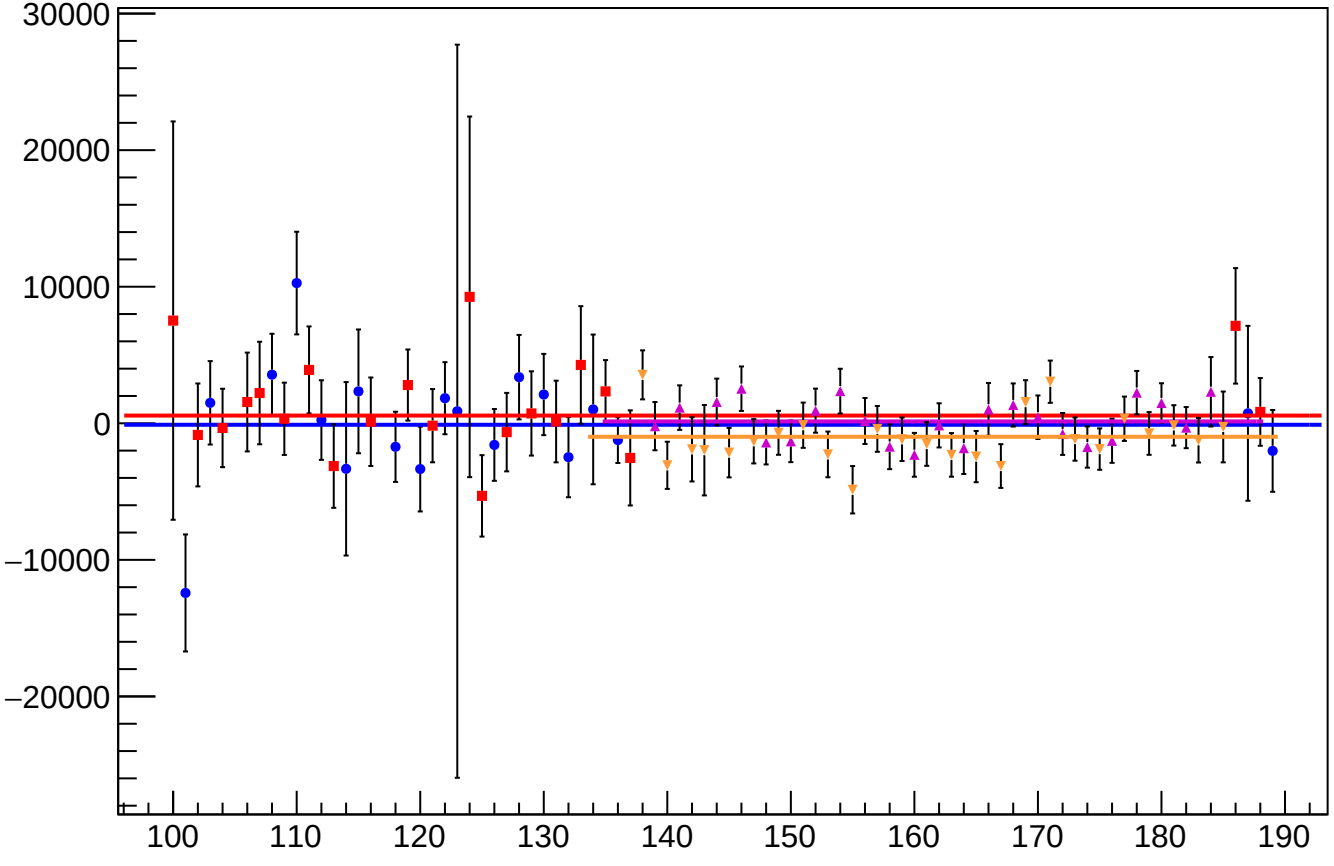
Left In: 643.008+/-0.109 $\chi^2$/NDF:323844.6/22

+ sign 655.028+/-0.109 $\chi^2$/NDF: 1311942.8/26

All: 653.903+/-0.077 $\chi^2$/NDF: 2731046.3/51

- sign 652.780+/-0.109 $\chi^2$/NDF: 1418889.0/24

# asym_atl_dd_atr_dd_dd_mean vs Slug




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

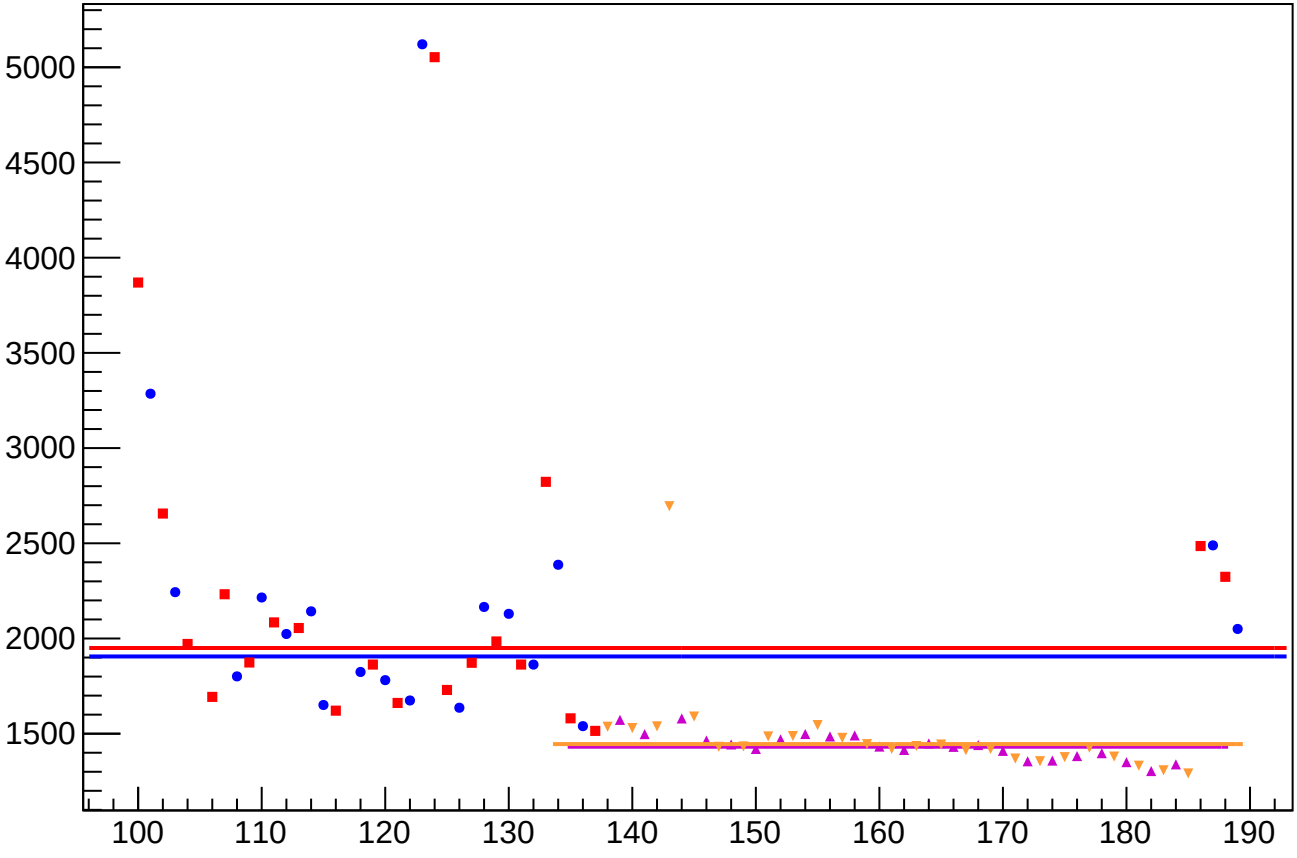
Left In: 137.780+/-342.262 $\chi^2$/NDF:18.8/22

+ sign -826.757+/-307.145 $\chi^2$/NDF: 53.7/43

All: -302.271+/-217.121 $\chi^2$/NDF: 91.8/87

- sign 221.603+/-306.965 $\chi^2$/NDF: 32.3/43

# asym_atl_dd_atr_dd_dd_rms vs Slug




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

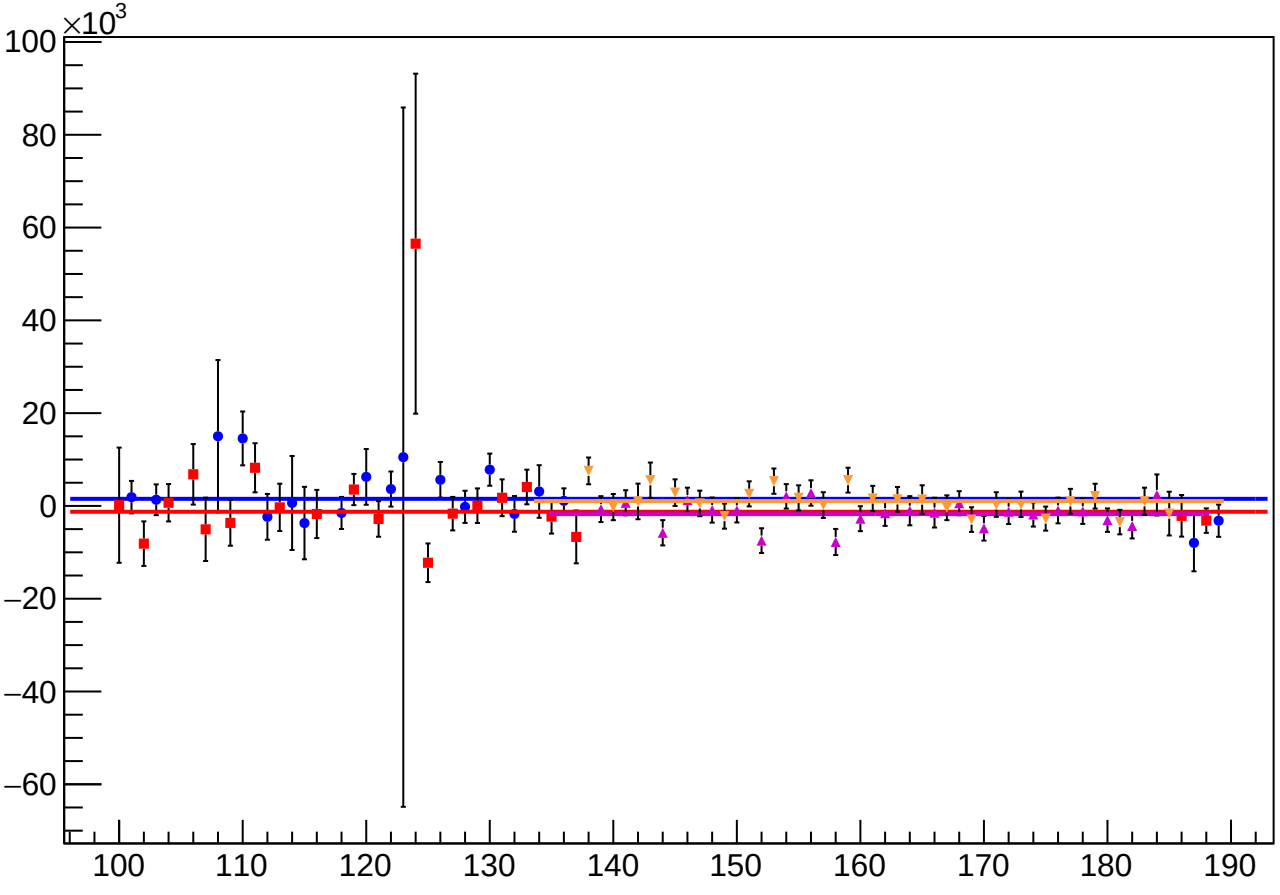
Left In: 1431.663+/-0.242 $\chi^2$/NDF:77792.5/22

+ sign 1529.530+/-0.217 $\chi^2$/NDF: 1533681.2/43

All: 1531.305+/-0.154 $\chi^2$/NDF: 3057059.1/87

- sign 1533.079+/-0.217 $\chi^2$/NDF: 1523244.3/43

# dit_asym_atl1_mean vs Slug




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

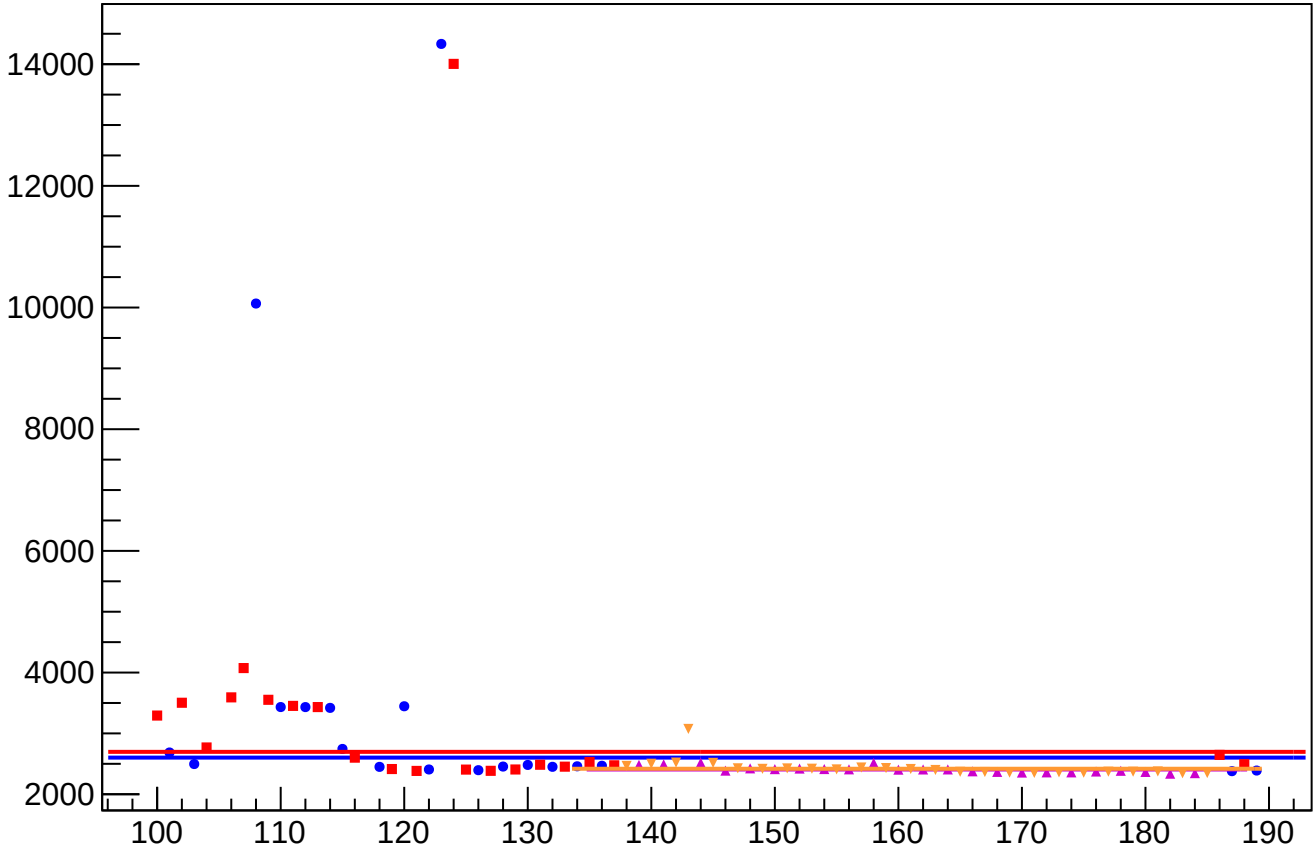
Left In: -1762.122+/-574.660 $\chi^2$/NDF:23.2/22

+ sign 1175.200+/-490.620 $\chi^2$/NDF: 41.1/43

All: -222.170+/-347.357 $\chi^2$/NDF: 104.4/87

- sign -1626.598+/-491.858 $\chi^2$/NDF: 47.0/43

# dit_asym_atl1_rms vs Slug




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

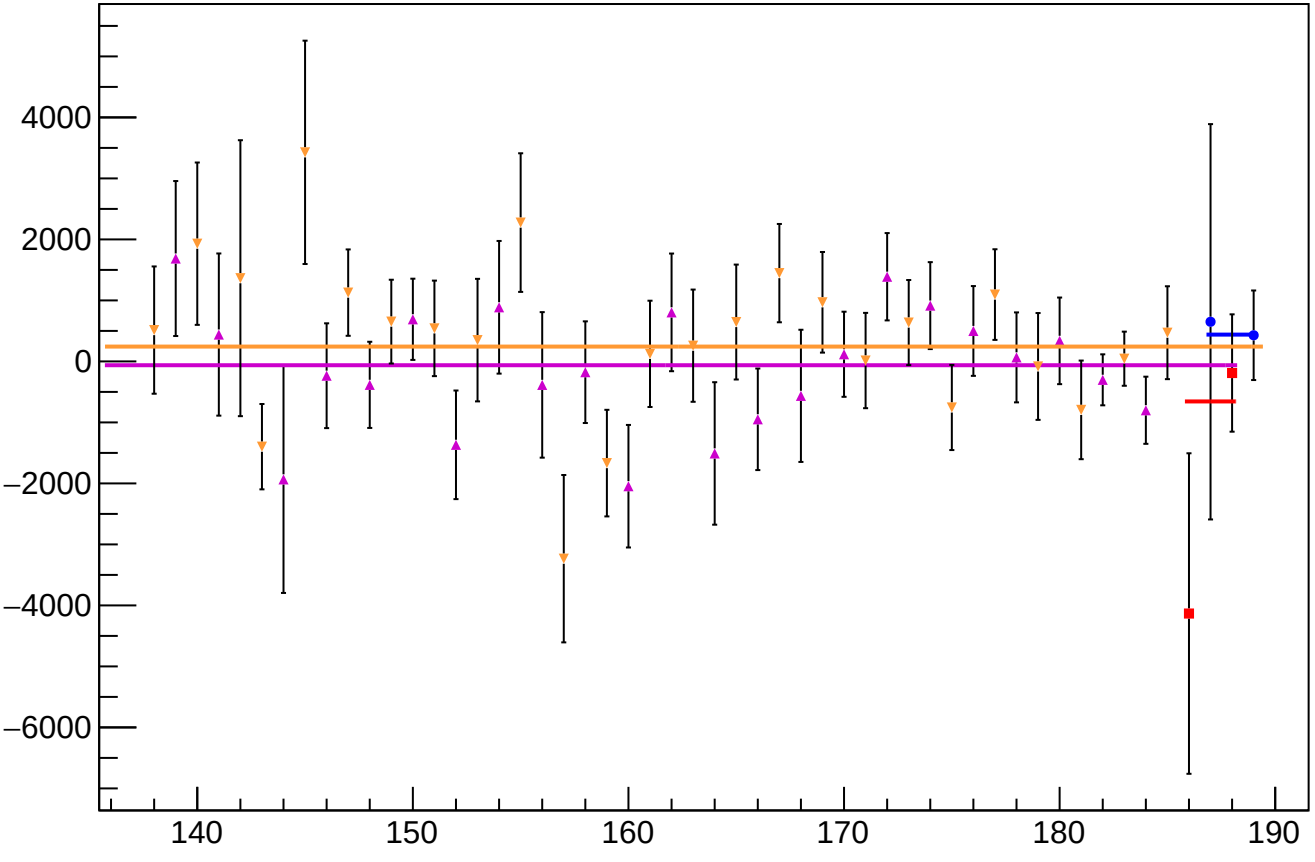
Left In: 2406.443+/-0.406 $\chi^2$/NDF:15245.2/22

+ sign 2464.616+/-0.347 $\chi^2$/NDF: 782664.1/43

All: 2474.317+/-0.246 $\chi^2$/NDF: 1548360.2/87

- sign 2484.067+/-0.348 $\chi^2$/NDF: 764128.3/43

# asym_atl1_correction_mean vs Slug




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

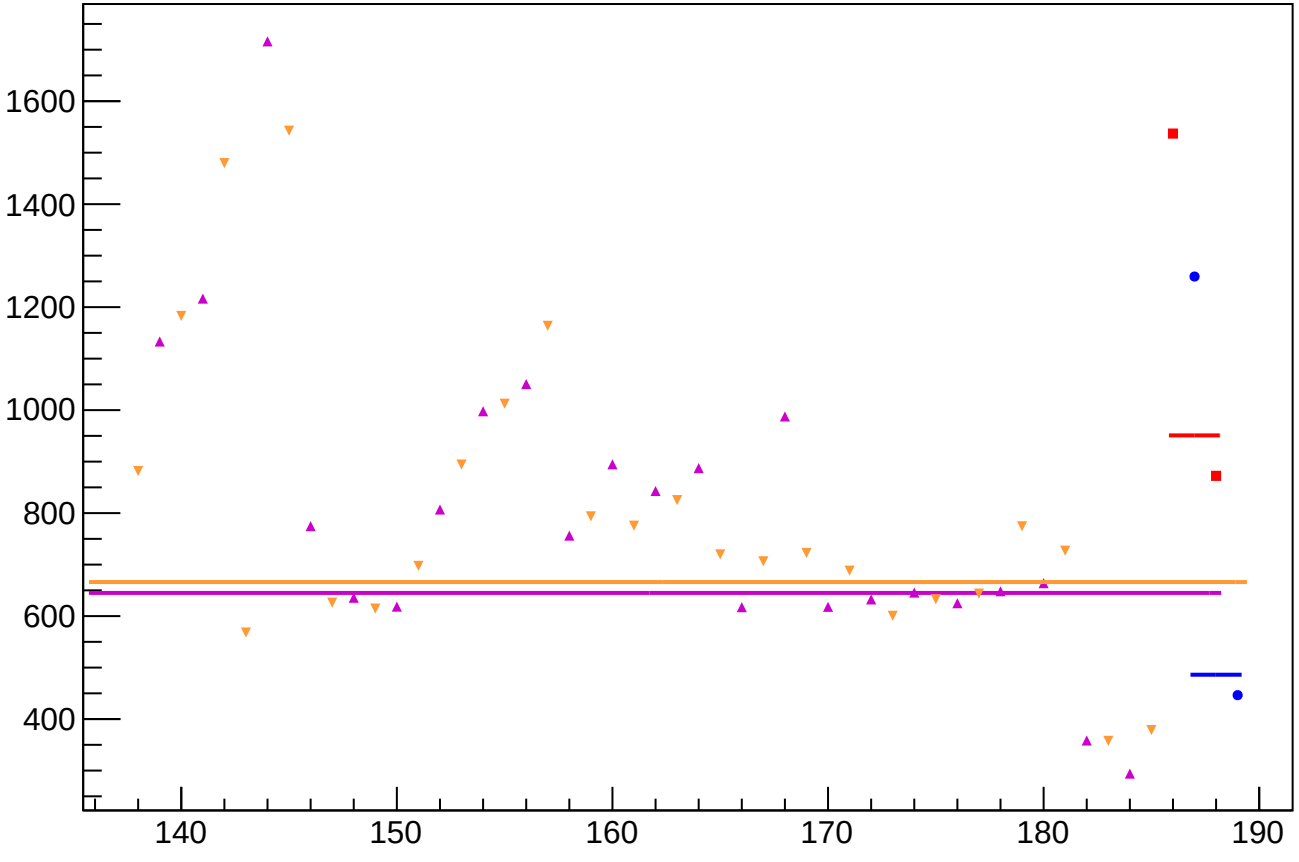
Left In: -62.569+/-164.169 $\chi^2$/NDF:24.3/22

+ sign 252.916+/-159.804 $\chi^2$/NDF: 36.1/26

All: 87.469+/-113.601 $\chi^2$/NDF: 64.9/51

- sign -81.554+/-161.522 $\chi^2$/NDF: 26.7/24

# asym_atl1_correction_rms vs Slug




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

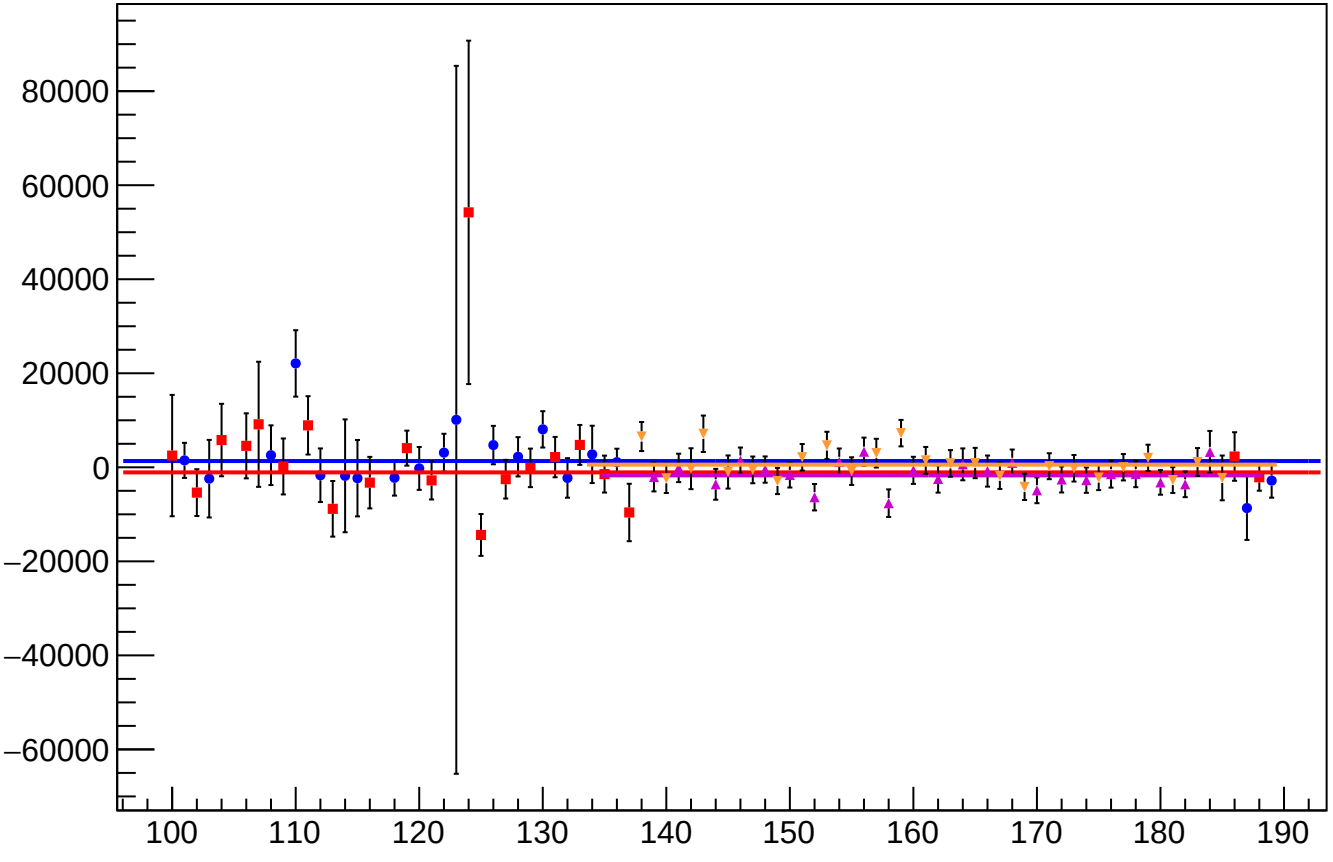
Left In: 645.011+/-0.116 $\chi^2$/NDF:4176295.6/22

+ sign 657.166+/-0.113 $\chi^2$/NDF: 3430404.1/26

All: 655.993+/-0.080 $\chi^2$/NDF: 7941931.8/51

- sign 654.796+/-0.114 $\chi^2$/NDF: 4511310.1/24

# asym_atl1_mean vs Slug




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

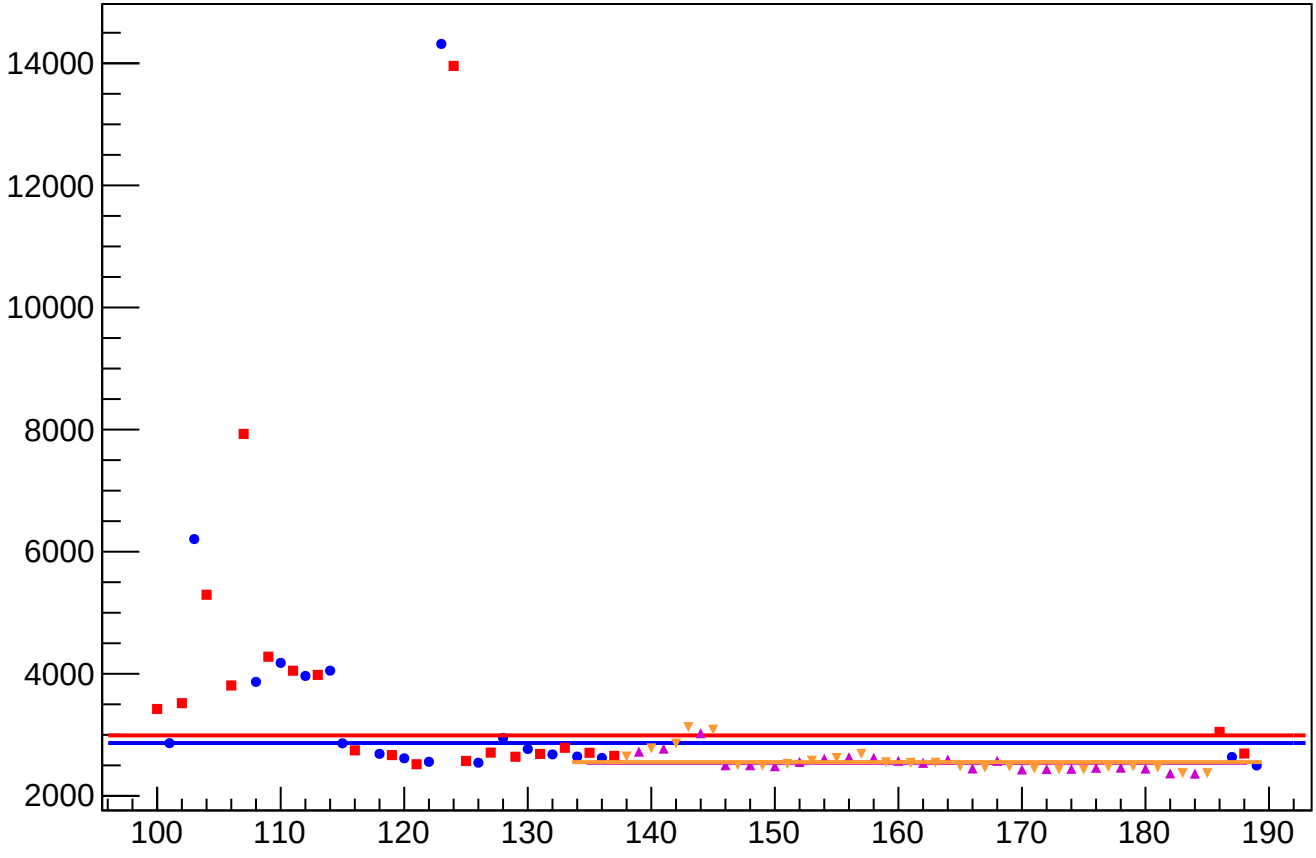
Left In: -1713.317+/-607.775 $\chi^2$/NDF:18.1/22

+ sign 745.353+/-523.750 $\chi^2$/NDF: 44.3/43

All: -396.060+/-372.095 $\chi^2$/NDF: 98.1/87

- sign -1559.273+/-528.728 $\chi^2$/NDF: 44.2/43

# asym_atl1_rms vs Slug




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

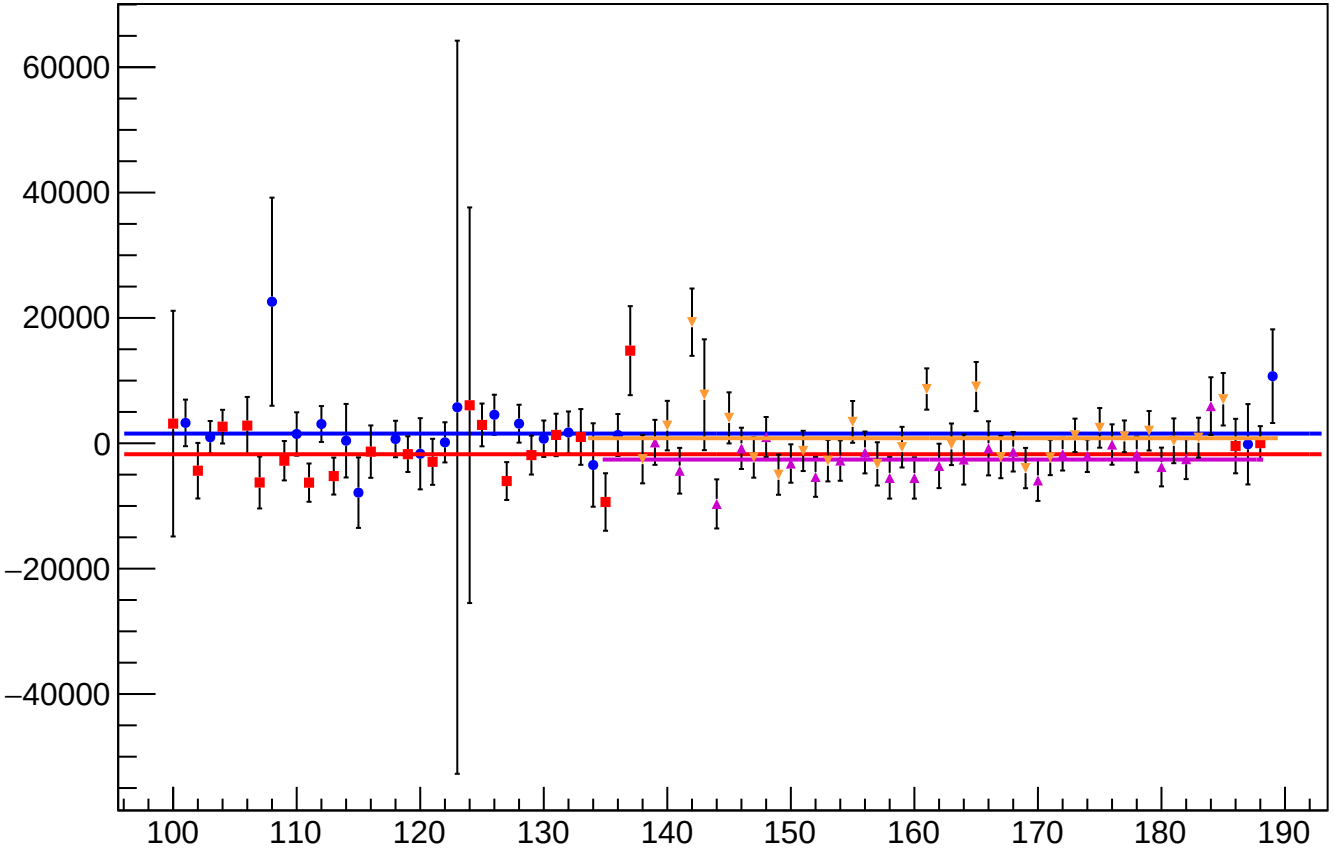
Left In: 2541.950+/-0.430 $\chi^2$/NDF:97238.4/22

+ sign 2626.250+/-0.370 $\chi^2$/NDF: 943935.7/43

All: 2638.584+/-0.263 $\chi^2$/NDF: 2345312.9/87

- sign 2651.154+/-0.374 $\chi^2$/NDF: 1399137.7/43

# dit_asym_atl2_mean vs Slug




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

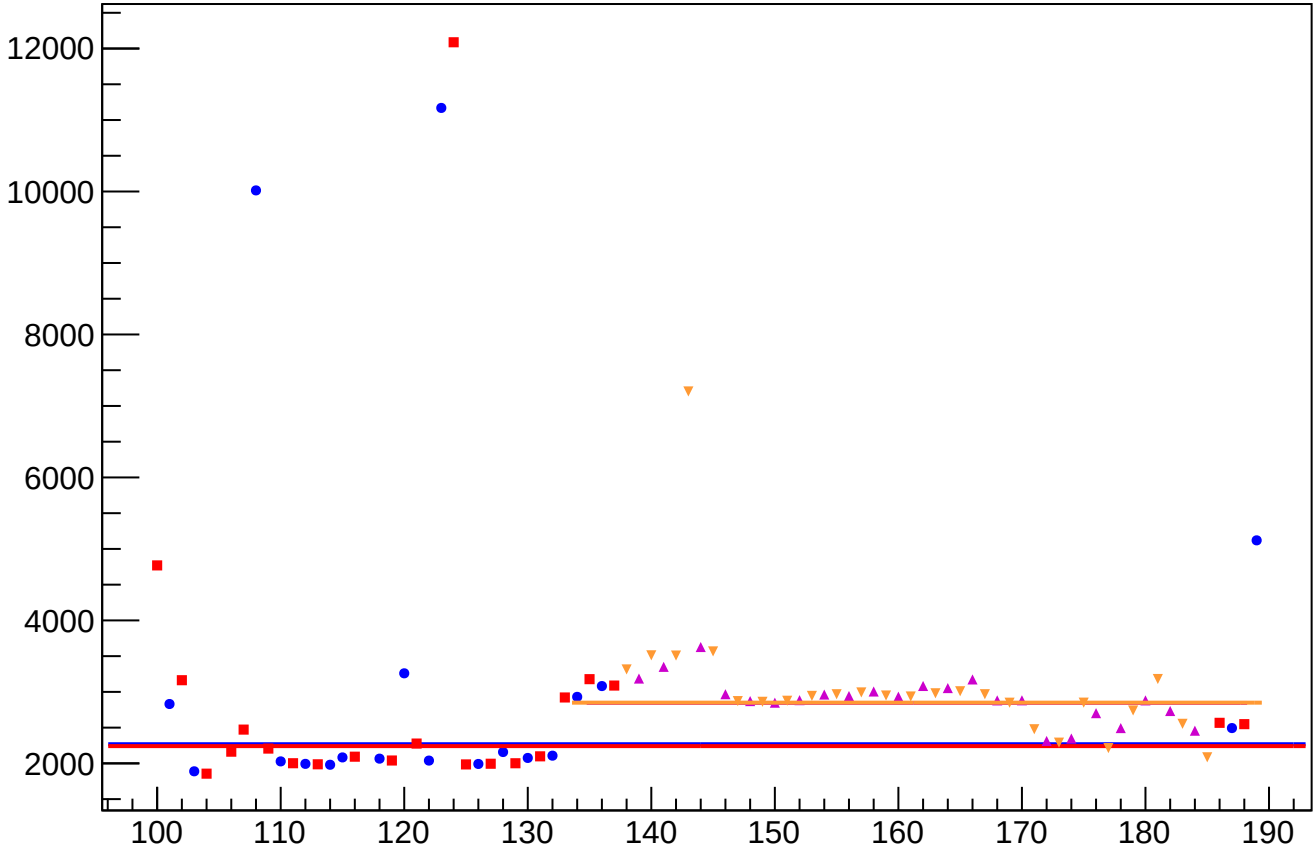
Left In: -2595.551+/-683.824 $\chi^2$/NDF:14.0/22

+ sign 1085.457+/-535.591 $\chi^2$/NDF: 48.6/43

All: -626.710+/-372.793 $\chi^2$/NDF: 106.0/87

- sign -2235.732+/-519.208 $\chi^2$/NDF: 37.6/43

# dit_asym_atl2_rms vs Slug




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

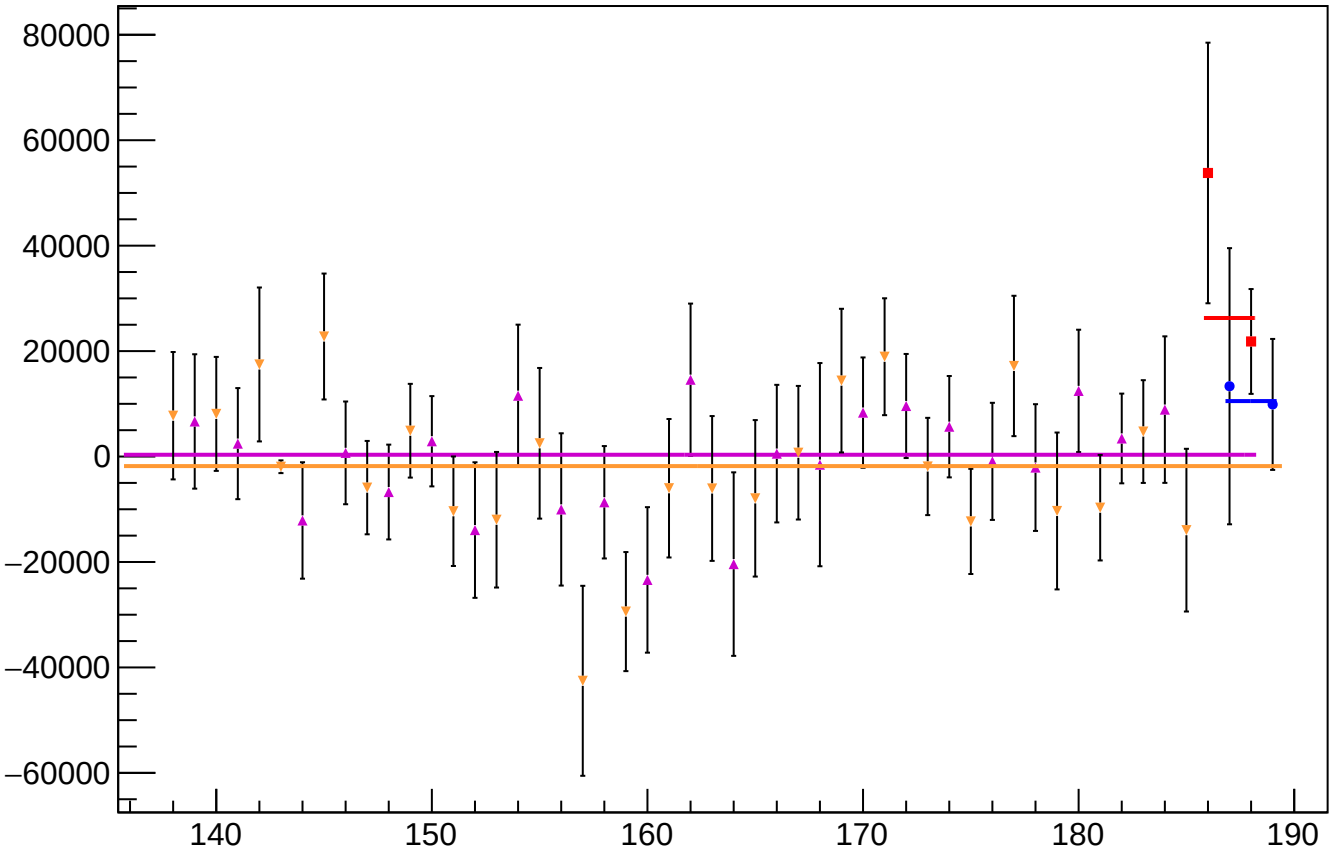
Left In: 2844.779+/-0.484 $\chi^2$/NDF:383776.8/22

+ sign 2631.190+/-0.379 $\chi^2$/NDF: 2736159.9/43

All: 2609.446+/-0.264 $\chi^2$/NDF: 4430733.1/87

- sign 2589.024+/-0.367 $\chi^2$/NDF: 1688180.8/43

# asym_atl2_correction_mean vs Slug




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

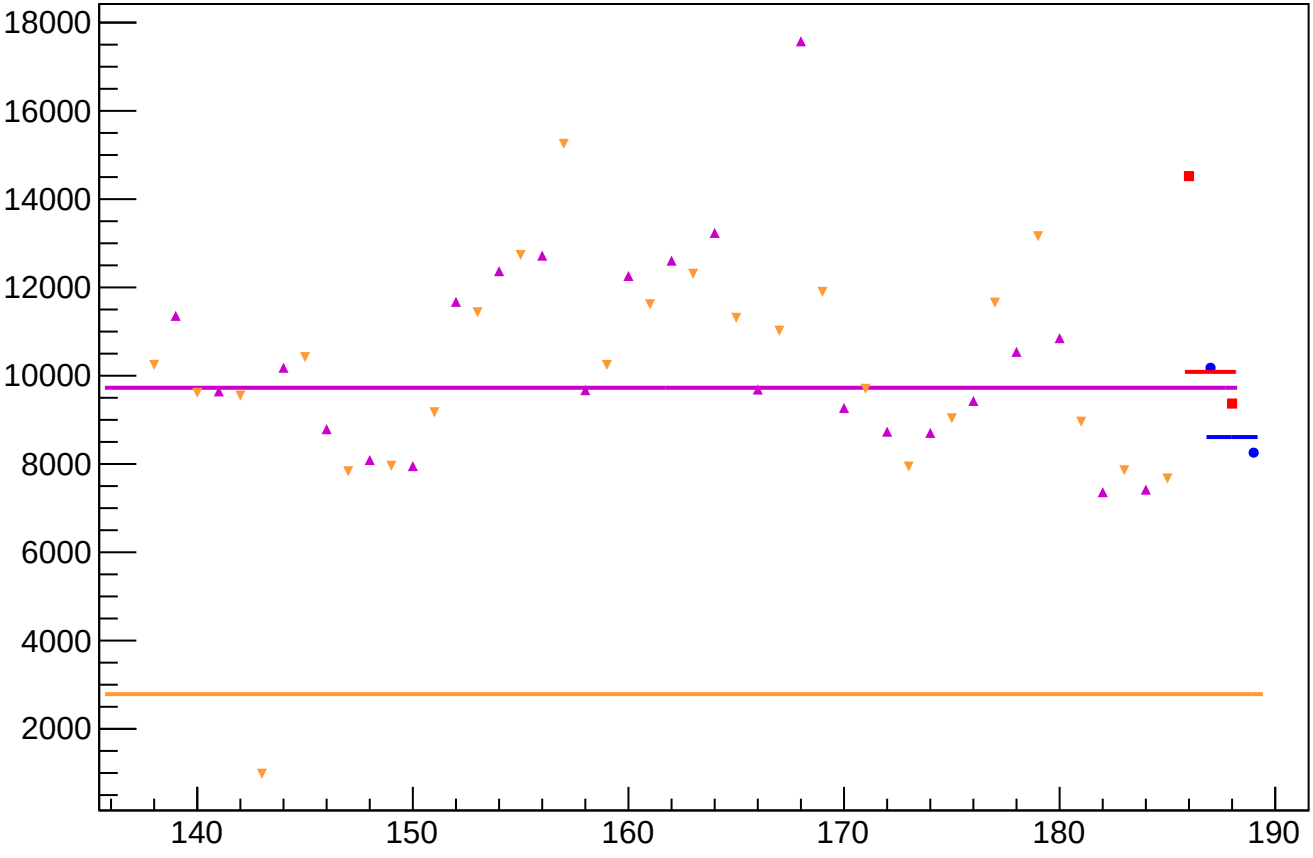
Left In: 339.260+/-2365.986 $\chi^2$/NDF:14.2/22

+ sign -1697.815+/-1073.232 $\chi^2$/NDF: 32.4/26

All: -1043.388+/-971.937 $\chi^2$/NDF: 57.5/51

- sign 1940.785+/-2291.789 $\chi^2$/NDF: 23.1/24

# asym_atl2_correction_rms vs Slug




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

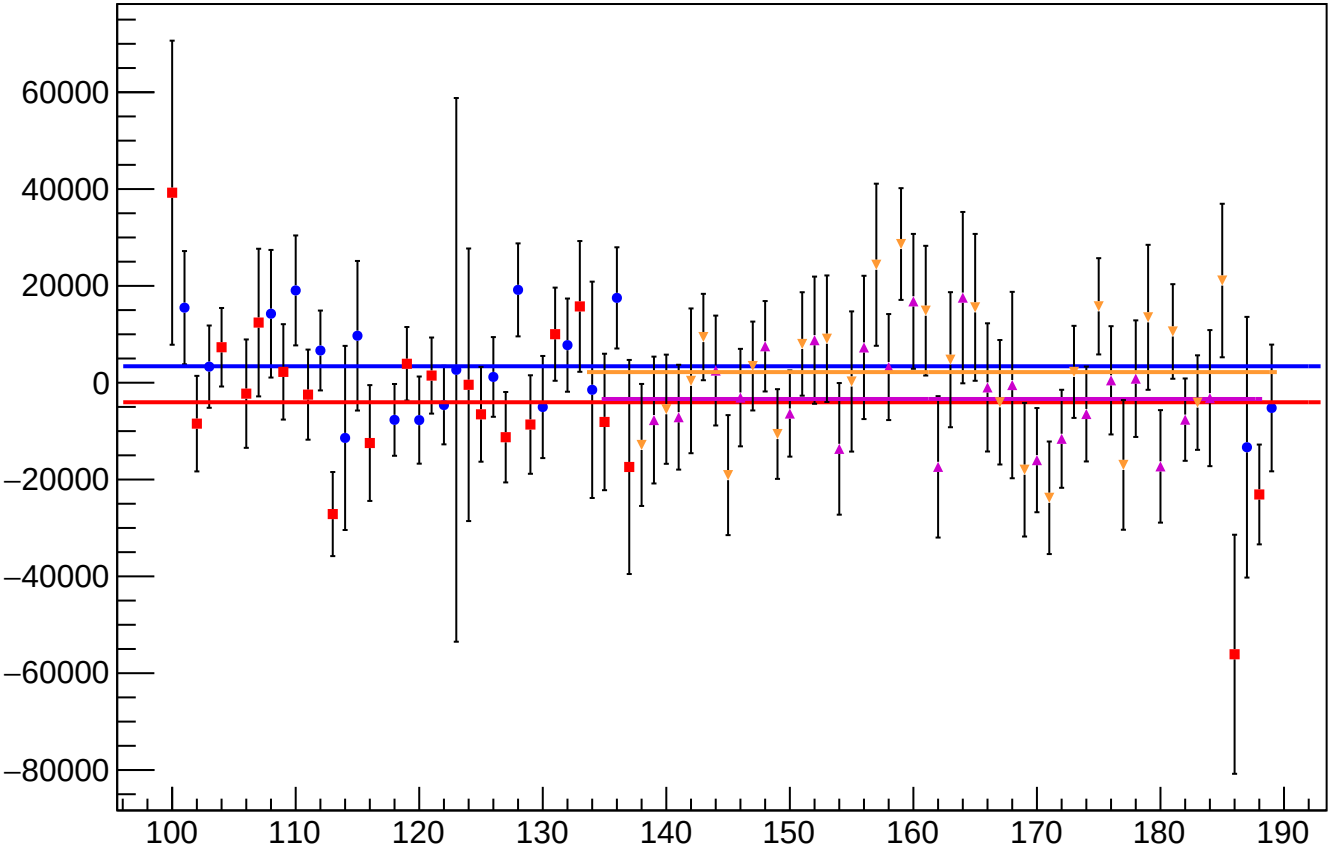
Left In: 9727.255+/-1.673 $\chi^2$/NDF:1261406.7/22

+ sign 2839.724+/-0.759 $\chi^2$/NDF: 23405556.3/26

All: 4082.489+/-0.687 $\chi^2$/NDF: 39655204.6/5

- sign 9749.468+/-1.621 $\chi^2$/NDF: 1339076.9/24

# asym_atl2_mean vs Slug




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

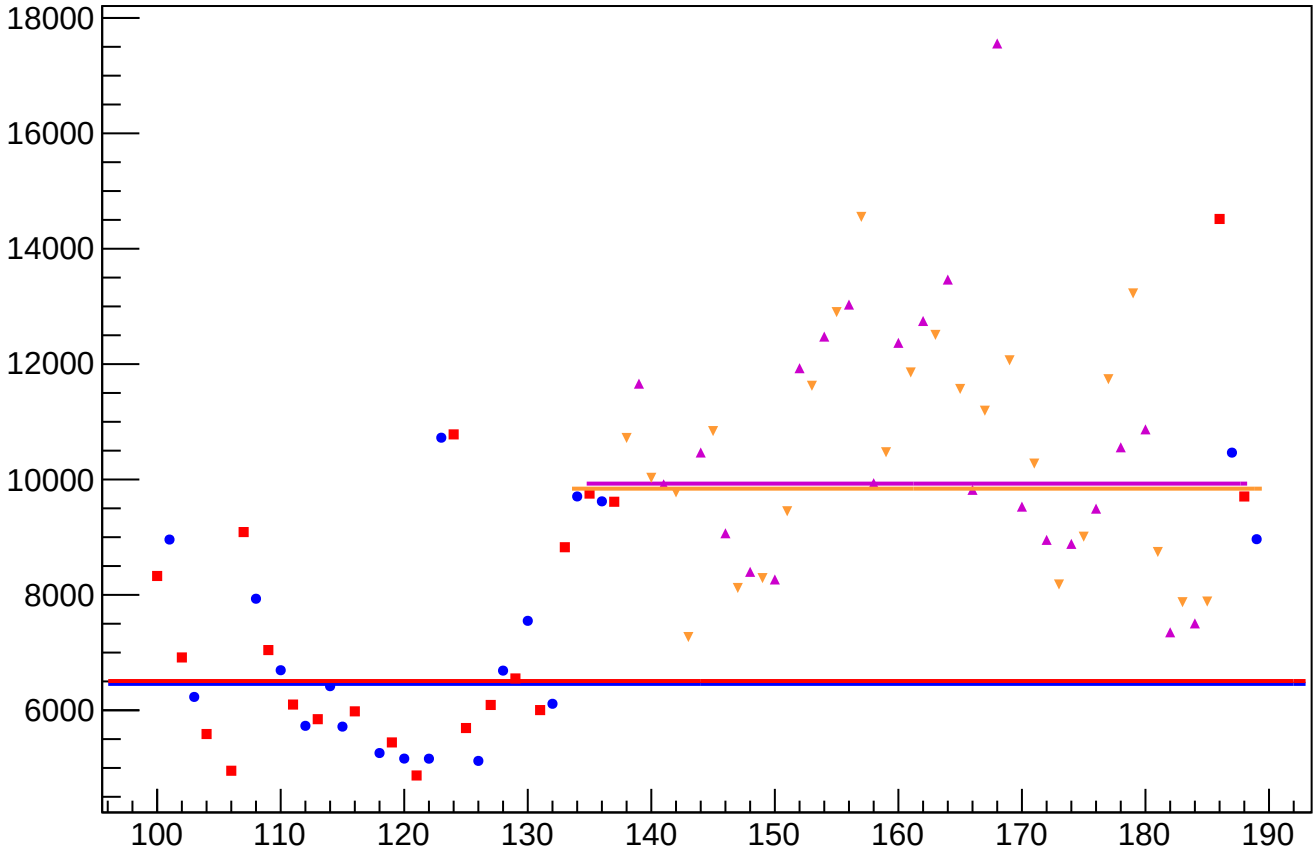
Left In: -3362.489+/-2413.842 $\chi^2$/NDF:12.8/22

+ sign 2768.507+/-1695.886 $\chi^2$/NDF: 46.9/43

All: -495.428+/-1194.419 $\chi^2$/NDF: 95.4/87

- sign -3708.120+/-1682.521 $\chi^2$/NDF: 41.2/43

# asym_atl2_rms vs Slug




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

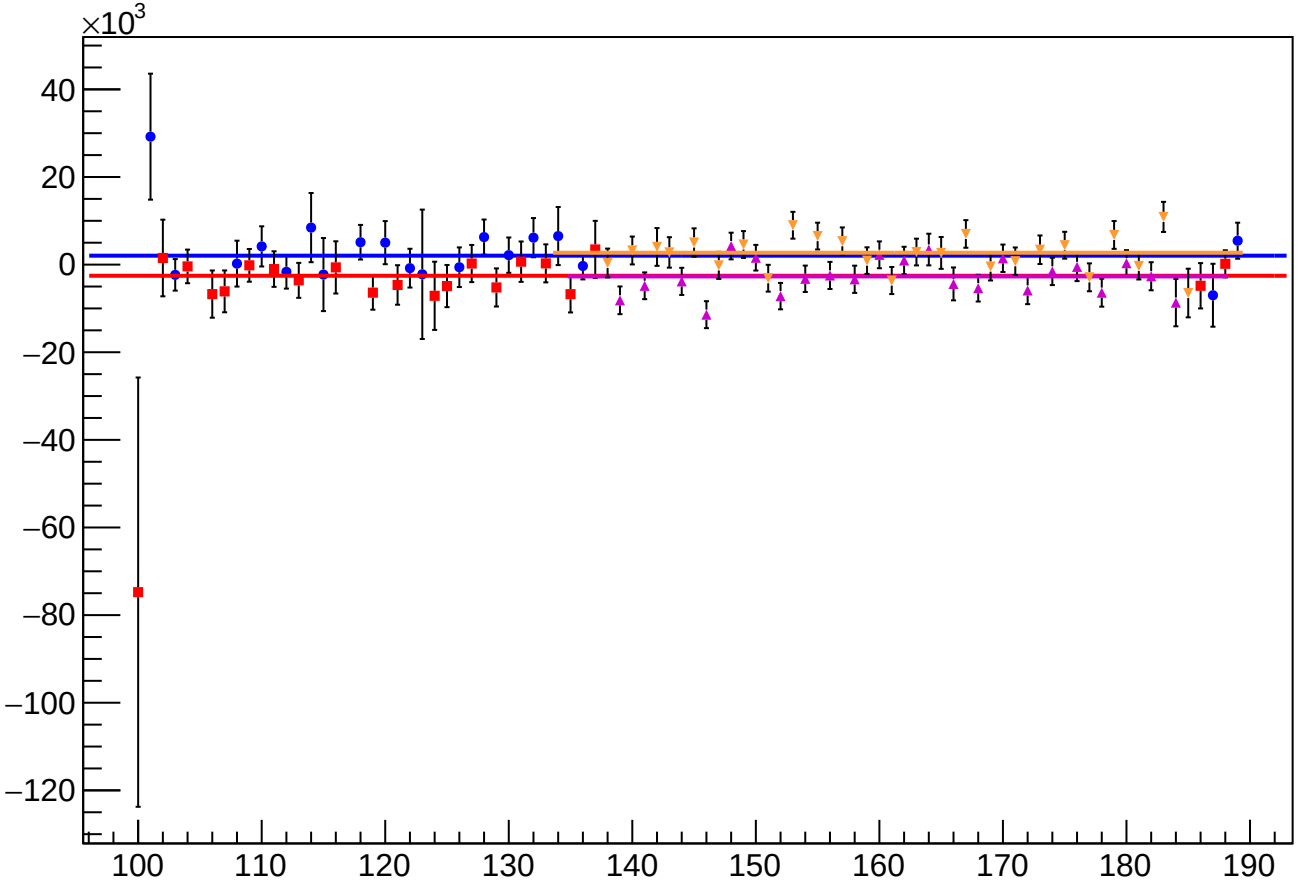
Left In: 9928.662+/-1.707 $\chi^2$/NDF:1220804.9/22

+ sign 8224.673+/-1.199 $\chi^2$/NDF: 3887931.1/43

All: 8196.751+/-0.845 $\chi^2$/NDF: 8136646.2/87

- sign 8169.269+/-1.190 $\chi^2$/NDF: 4247639.4/43

# dit_asym_atr1_mean vs Slug




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

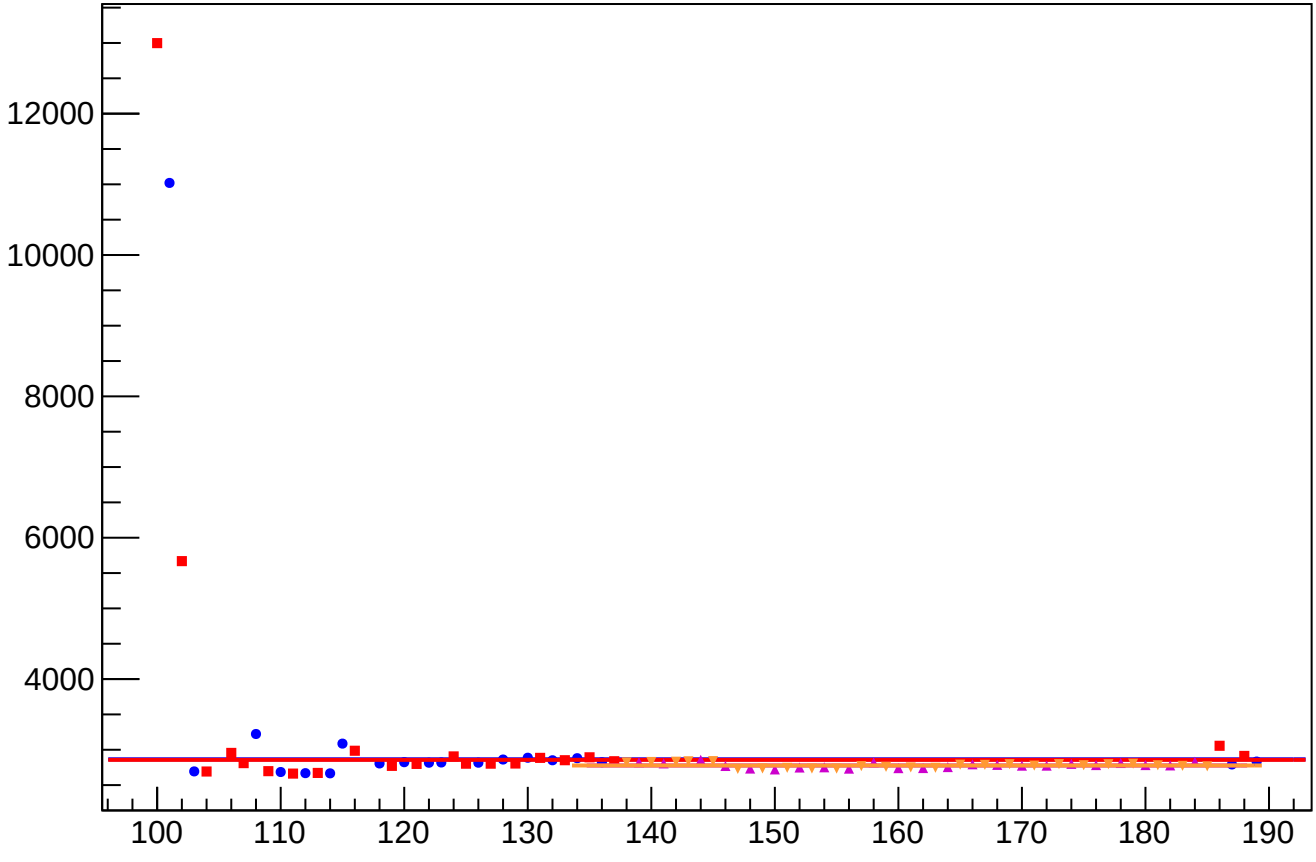
Left In: -2697.794+/-662.544 $\chi^2$/NDF:36.1/22

+ sign 2534.367+/-556.315 $\chi^2$/NDF: 49.3/43

All: -73.051+/-392.261 $\chi^2$/NDF: 140.0/87

- sign -2651.165+/-553.180 $\chi^2$/NDF: 47.0/43

# dit_asym_atr1_rms vs Slug




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

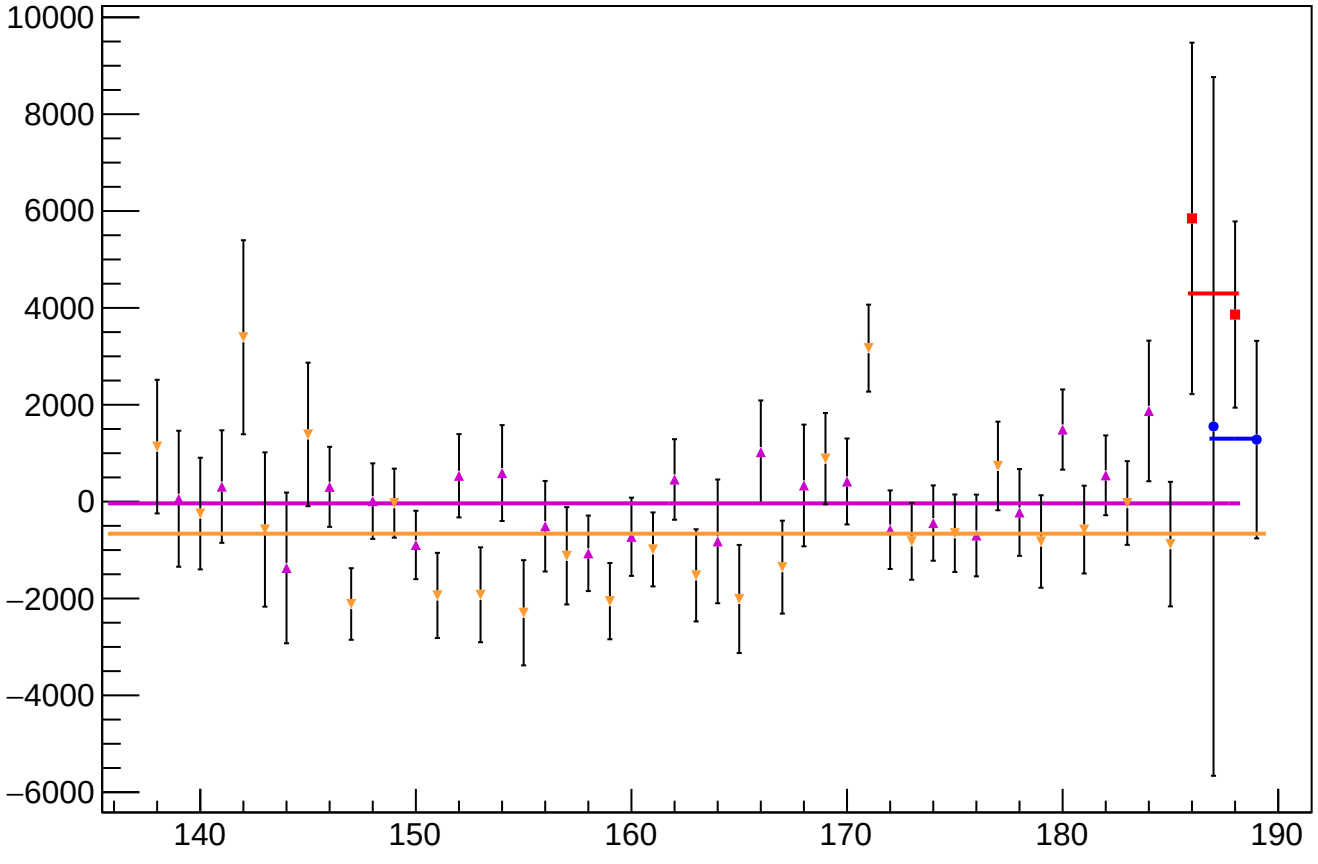
Left In: 2777.355+/-0.468 $\chi^2$/NDF:5488.7/22

+ sign 2800.623+/-0.393 $\chi^2$/NDF: 685141.4/43

All: 2801.083+/-0.277 $\chi^2$/NDF: 1015972.3/87

- sign 2801.538+/-0.391 $\chi^2$/NDF: 330828.2/43

# asym_atr1_correction_mean vs Slug




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

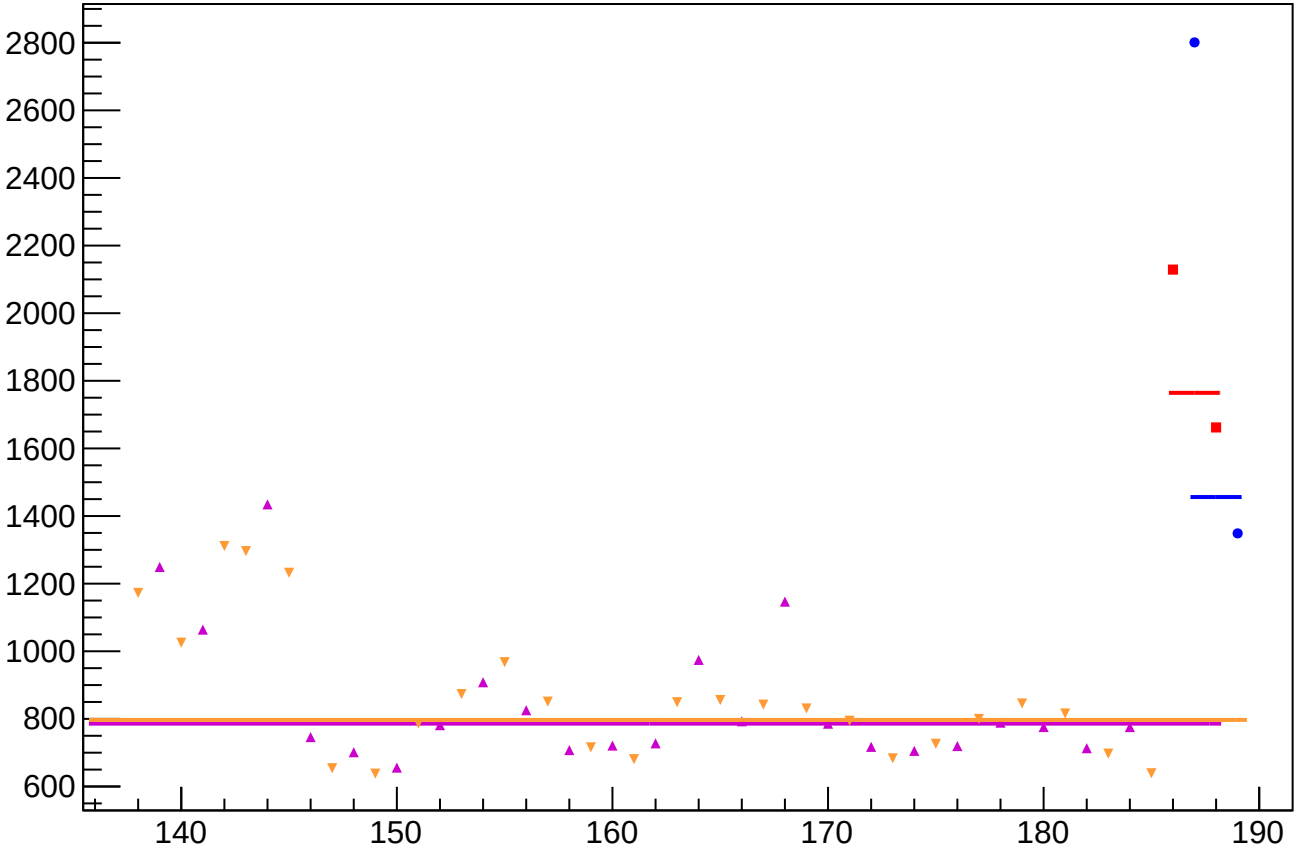
Left In: -35.366+/-190.553 $\chi^2$/NDF:15.1/22

+ sign -643.497+/-189.335 $\chi^2$/NDF: 49.7/26

All: -312.565+/-133.891 $\chi^2$/NDF: 77.6/51

- sign 18.475+/-189.366 $\chi^2$/NDF: 21.8/24

# asym_atr1_correction_rms vs Slug




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

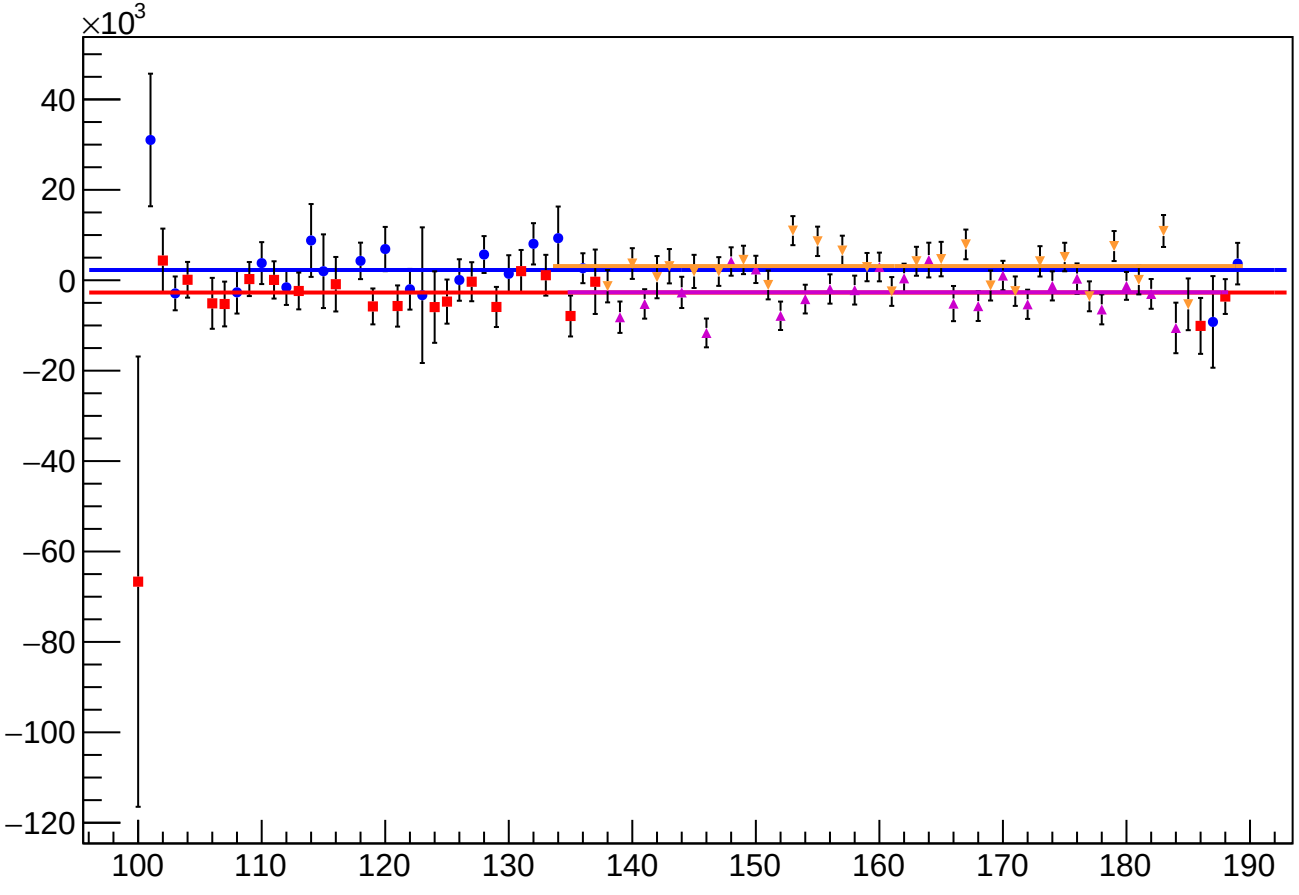
Left In: 785.928+/-0.135 $\chi^2$/NDF:1126027.7/22

+ sign 803.129+/-0.134 $\chi^2$/NDF: 1473505.2/26

All: 800.608+/-0.095 $\chi^2$/NDF: 3281349.3/51

- sign 798.085+/-0.134 $\chi^2$/NDF: 1807134.5/24

# asym_atr1_mean vs Slug




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

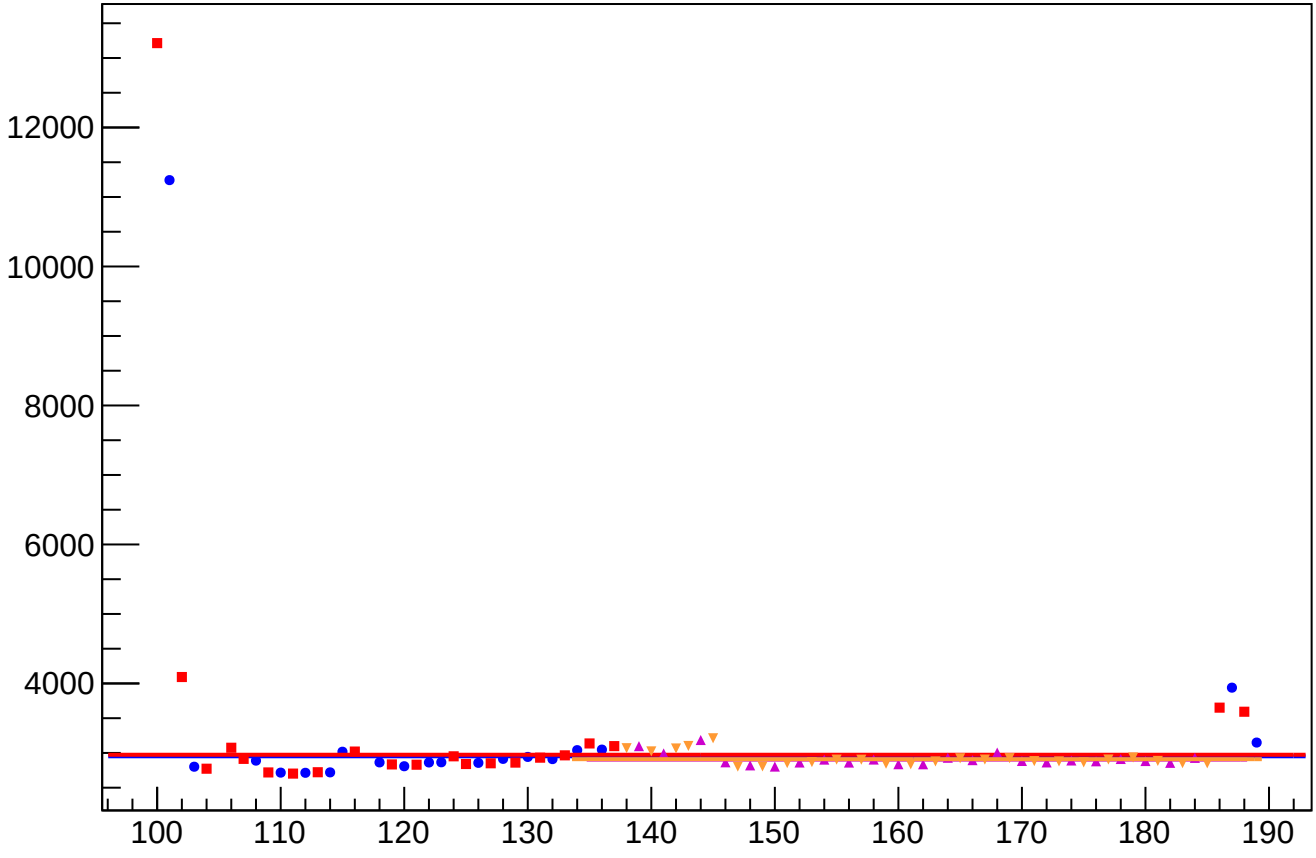
Left In: -2659.828+/-693.121 $\chi^2$/NDF:36.9/22

+ sign 2903.409+/-580.656 $\chi^2$/NDF: 54.5/43

All: 103.737+/-409.874 $\chi^2$/NDF: 149.3/87

- sign -2676.587+/-578.647 $\chi^2$/NDF: 48.5/43

# asym_atr1_rms vs Slug




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

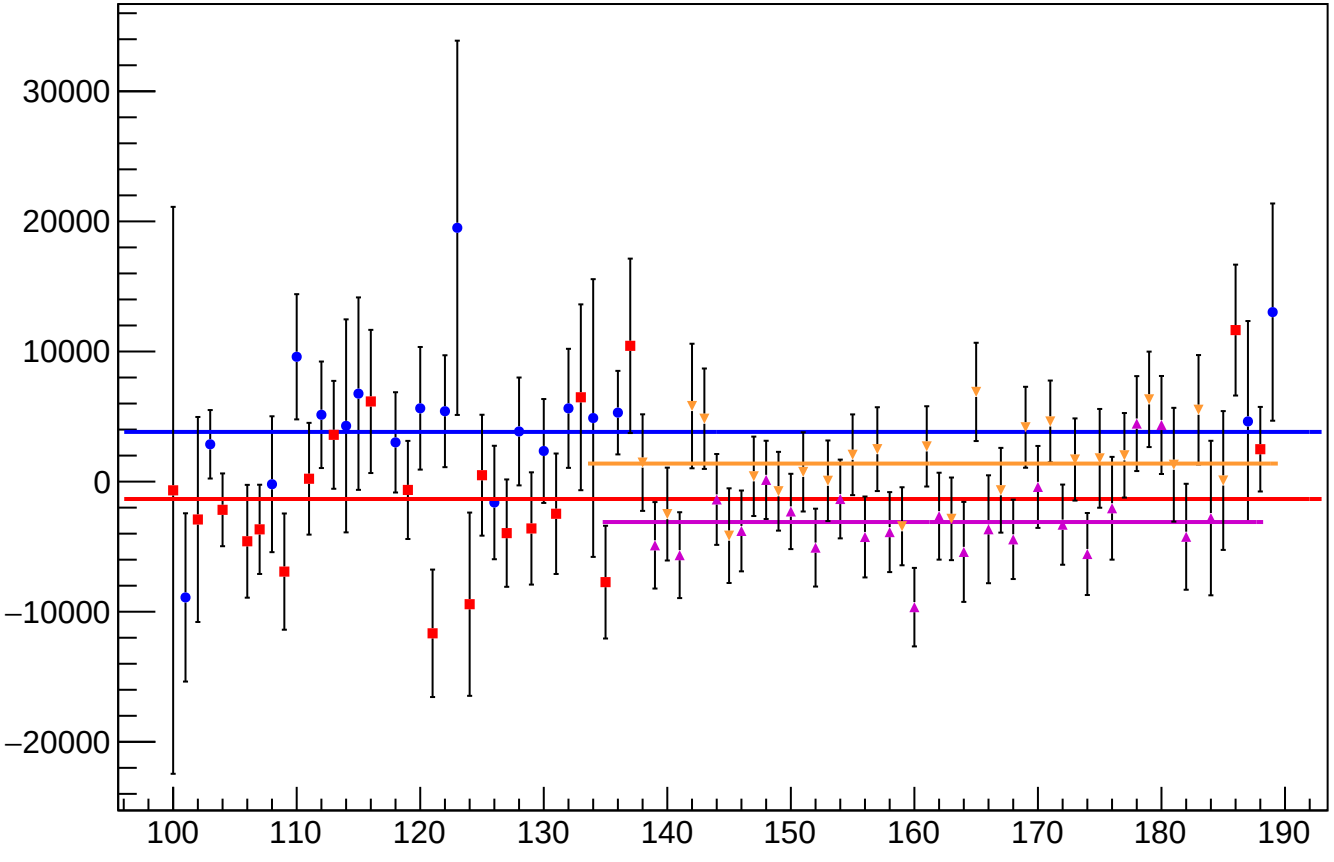
Left In: 2904.499+/-0.490 $\chi^2$/NDF:30423.1/22

+ sign 2921.657+/-0.411 $\chi^2$/NDF: 724559.6/43

All: 2923.628+/-0.290 $\chi^2$/NDF: 1015375.0/87

- sign 2925.585+/-0.409 $\chi^2$/NDF: 290769.5/43

# dit_asym_atr2_mean vs Slug




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

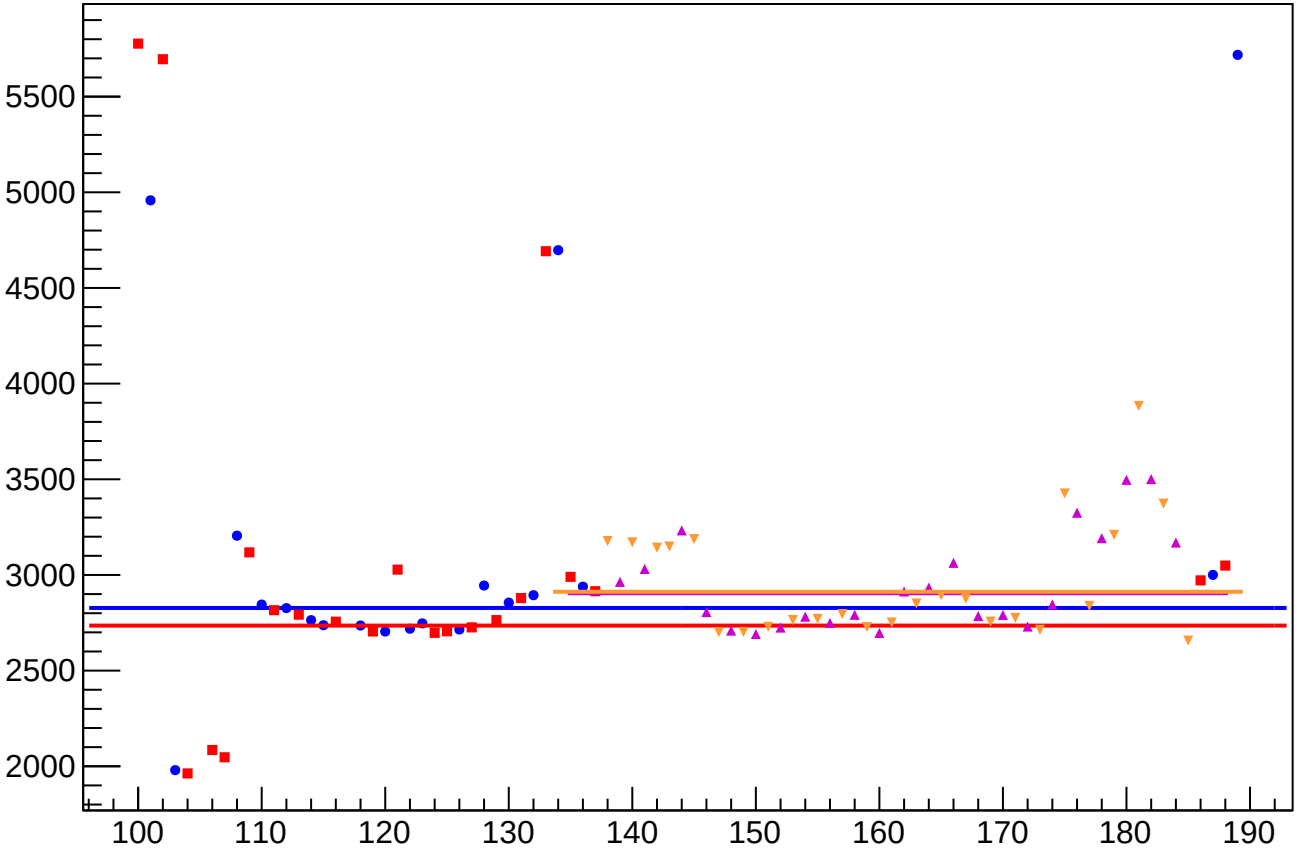
Left In: -3106.878+/-695.685 $\chi^2$/NDF:18.4/22

+ sign 2091.233+/-576.975 $\chi^2$/NDF: 32.8/43

All: -251.178+/-404.332 $\chi^2$/NDF: 113.0/87

- sign -2511.584+/-566.785 $\chi^2$/NDF: 47.9/43

# dit_asym_atr2_rms vs Slug




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

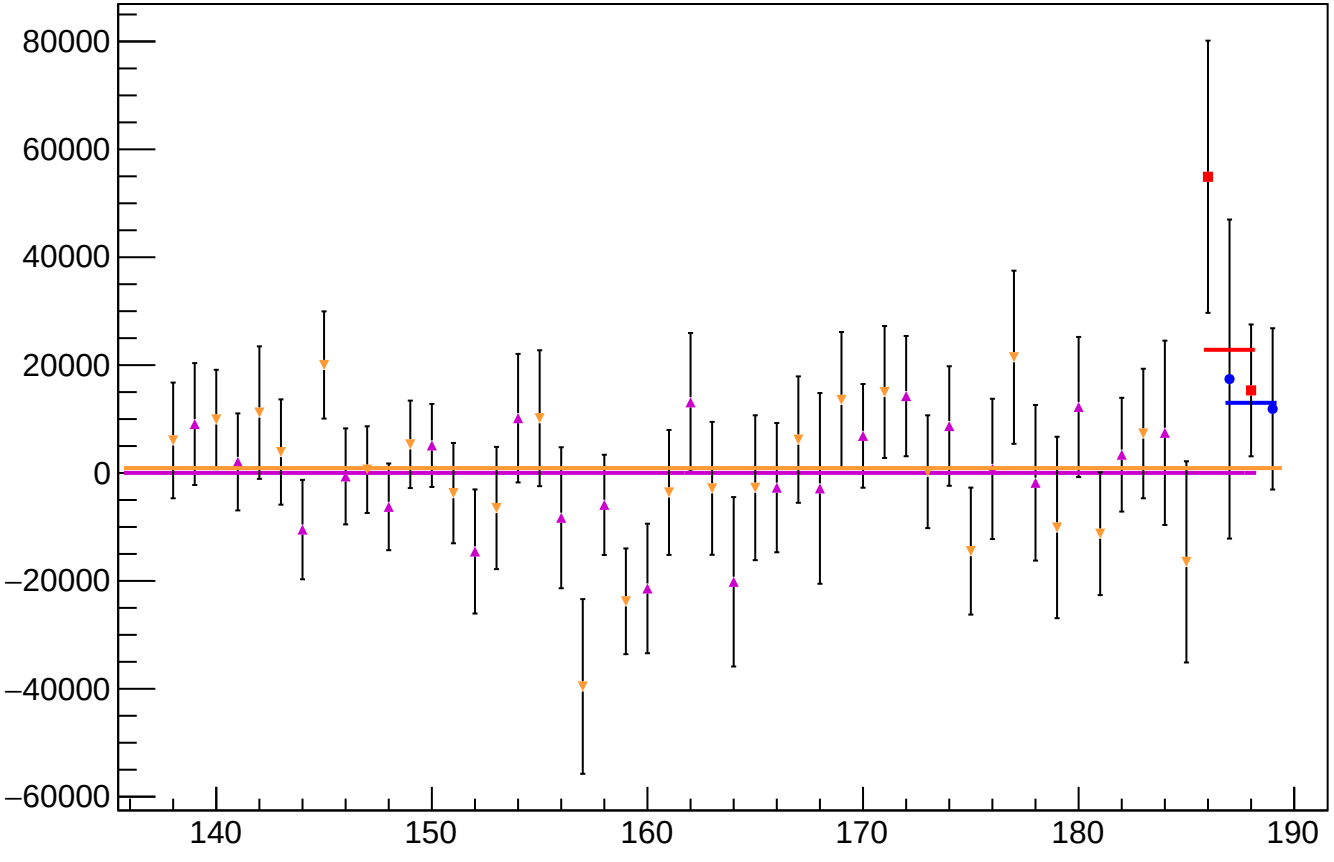
Left In: 2904.472+/-0.492 $\chi^2$/NDF:217578.9/22

+ sign 2887.658+/-0.408 $\chi^2$/NDF: 1046956.5/43

All: 2867.250+/-0.286 $\chi^2$/NDF: 2115906.3/87

- sign 2847.560+/-0.401 $\chi^2$/NDF: 1064033.4/43

# asym_atr2_correction_mean vs Slug




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

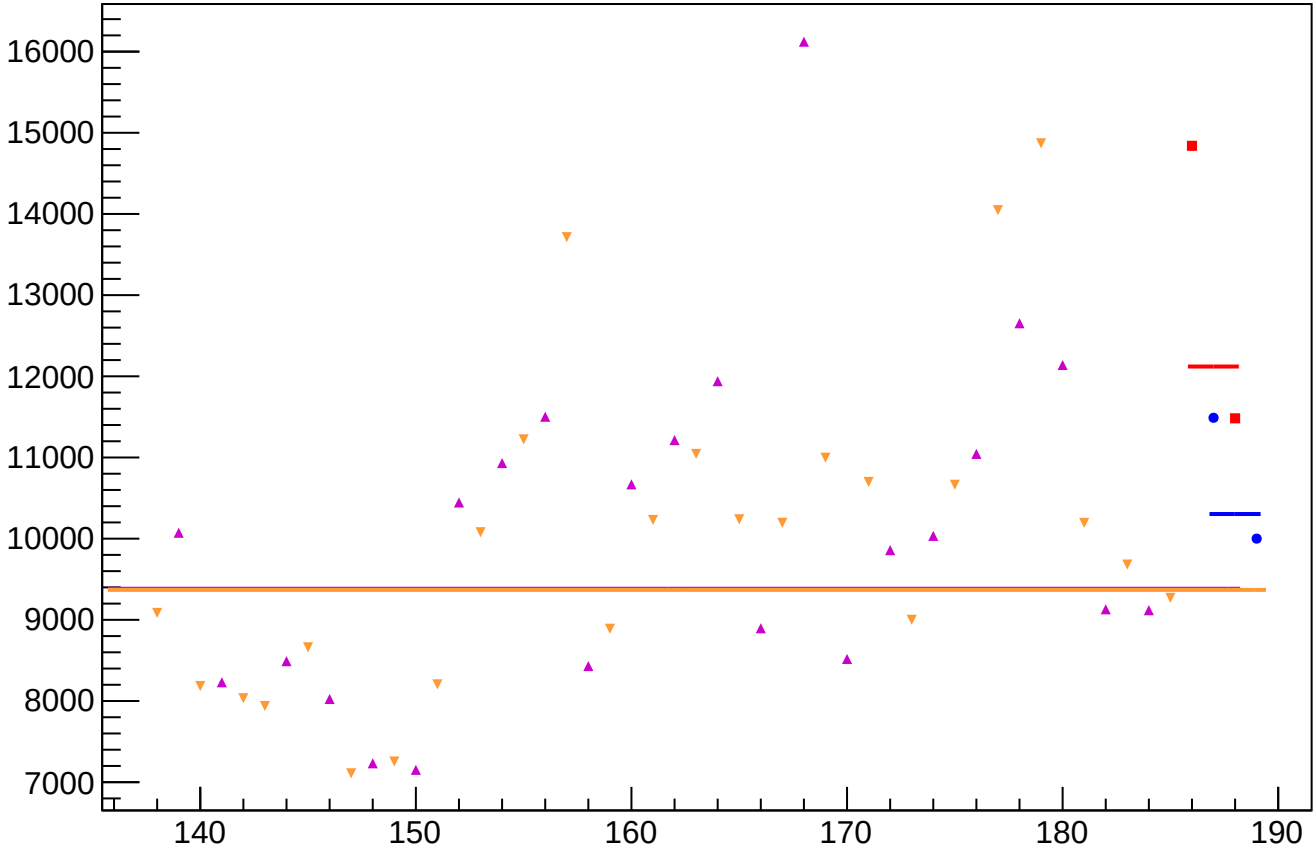
Left In: 25.729+/-2280.428 $\chi^2$/NDF:16.1/22

+ sign 1247.392+/-2207.894 $\chi^2$/NDF: 29.6/26

All: 1108.440+/-1569.993 $\chi^2$/NDF: 51.8/51

- sign 966.318+/-2232.930 $\chi^2$/NDF: 22.2/24

# asym_atr2_correction_rms vs Slug




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

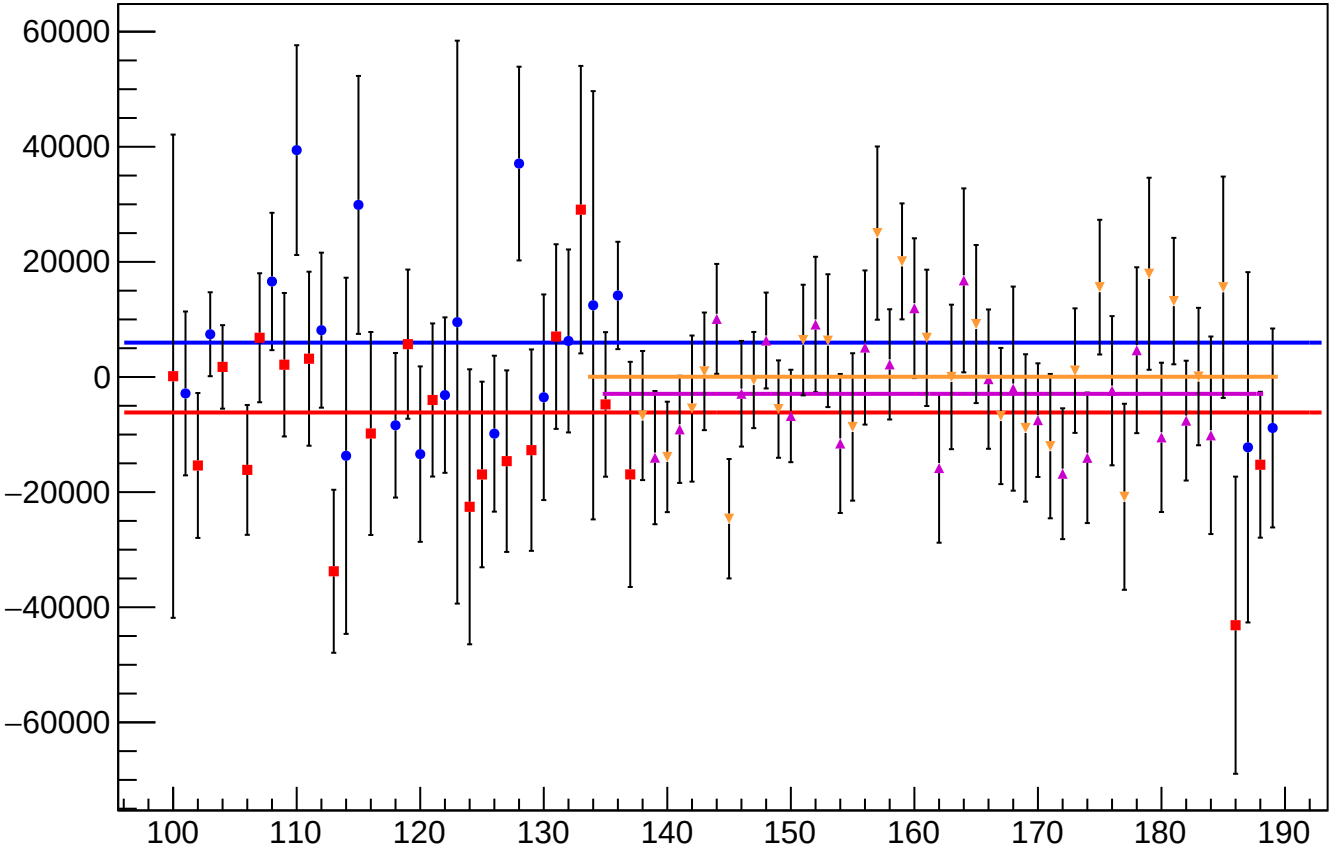
Left In: 9382.727+/-1.613 $\chi^2$/NDF:1205648.8/22

+ sign 9394.629+/-1.561 $\chi^2$/NDF: 1196593.8/26

All: 9444.540+/-1.110 $\chi^2$/NDF: 2551830.7/51

- sign 9495.589+/-1.579 $\chi^2$/NDF: 1353169.5/24

# asym_atr2_mean vs Slug




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

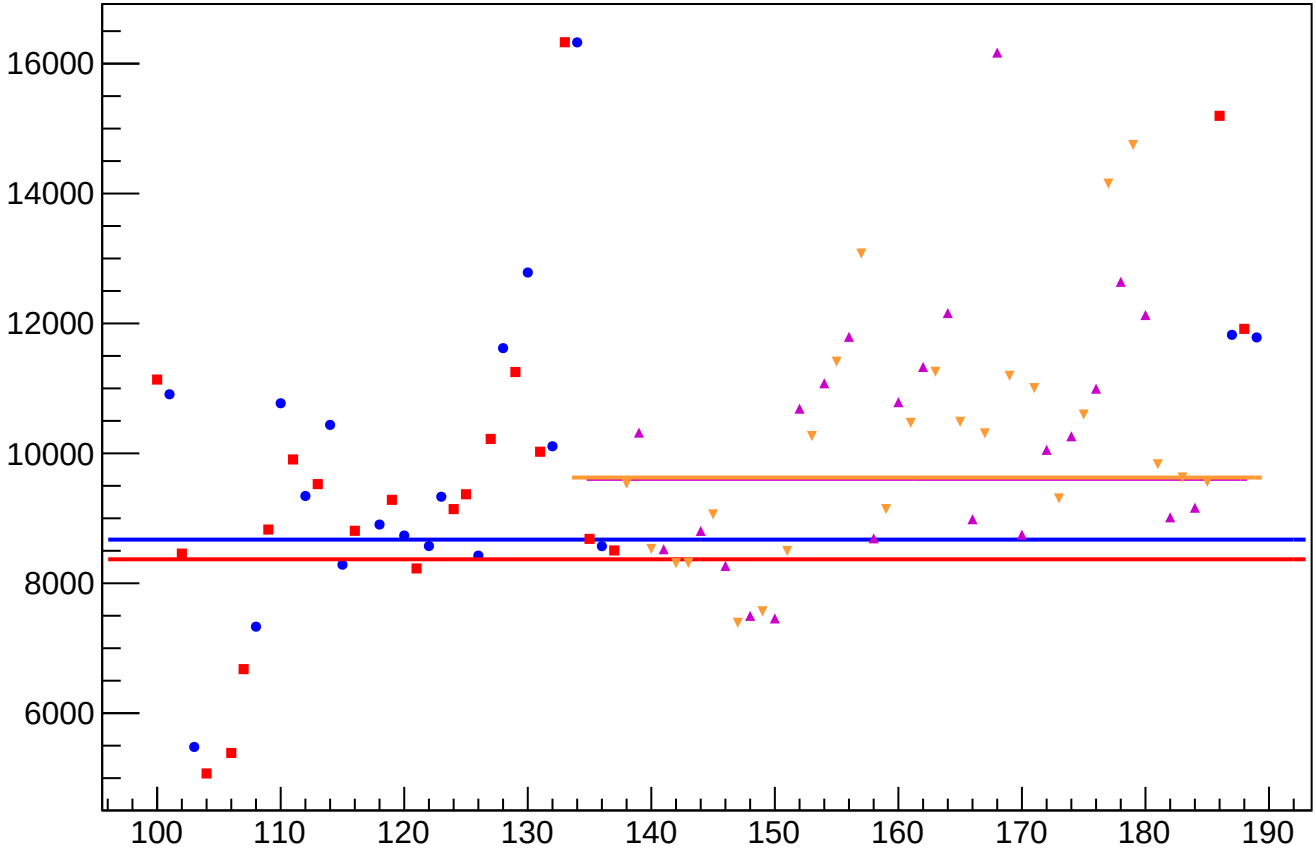
Left In: -2925.533+/-2330.587 $\chi^2$/NDF:14.6/22

+ sign 1968.069+/-1882.647 $\chi^2$/NDF: 44.5/43

All: -1125.159+/-1320.328 $\chi^2$/NDF: 81.5/87

- sign -4119.072+/-1852.177 $\chi^2$/NDF: 31.6/43

# asym_atr2_rms vs Slug




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

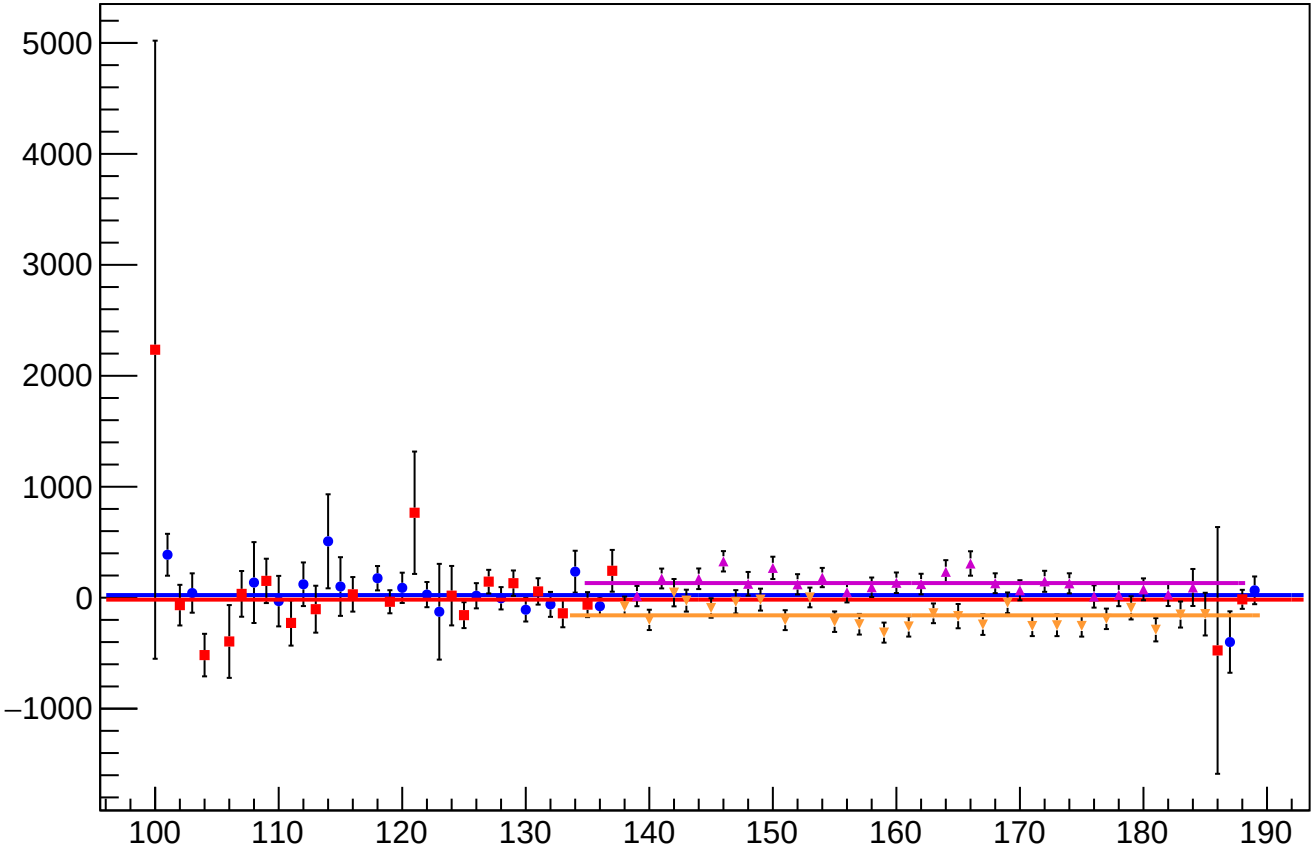
Left In: 9607.553+/-1.648 $\chi^2$/NDF:1085465.7/22

+ sign 9317.628+/-1.331 $\chi^2$/NDF: 1970942.5/43

All: 9233.111+/-0.934 $\chi^2$/NDF: 4542344.9/87

- sign 9151.310+/-1.310 $\chi^2$/NDF: 2563470.6/43

# dit_asym_sam1_mean vs Slug




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

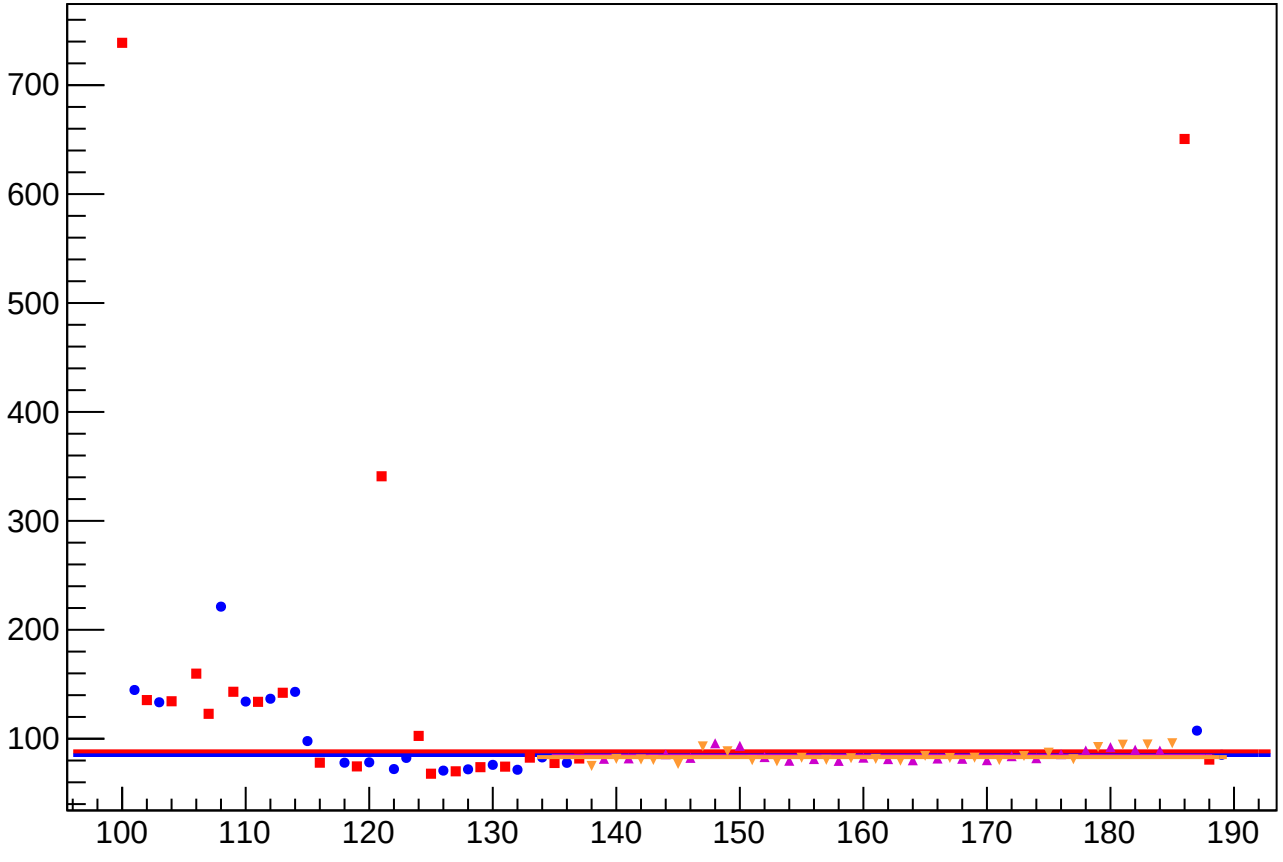
Left In: 131.879+/-20.076 $\chi^2$/NDF:17.8/22

+ sign -110.993+/-16.706 $\chi^2$/NDF: 64.0/43

All: -12.392+/-11.958 $\chi^2$/NDF: 190.3/87

- sign 91.234+/-17.126 $\chi^2$/NDF: 54.8/43

# dit_asym_sam1_rms vs Slug




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

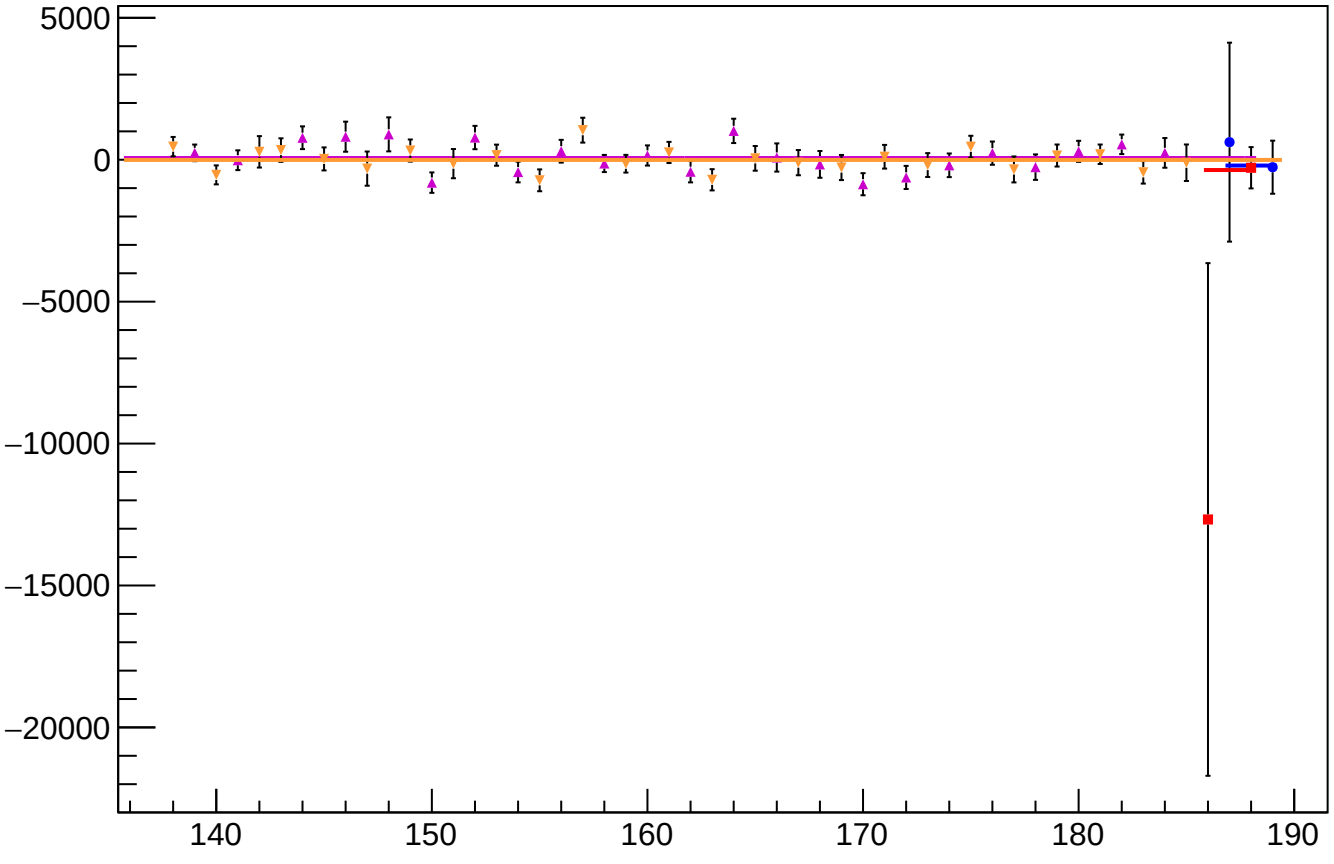
Left In: 84.108+/-0.014 $\chi^2$/NDF:96934.3/22

+ sign 83.641+/-0.012 $\chi^2$/NDF: 1221727.5/43

All: 84.440+/-0.008 $\chi^2$/NDF: 3440065.3/87

- sign 85.281+/-0.012 $\chi^2$/NDF: 2208942.4/43

# asym_sam1_correction_mean vs Slug




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

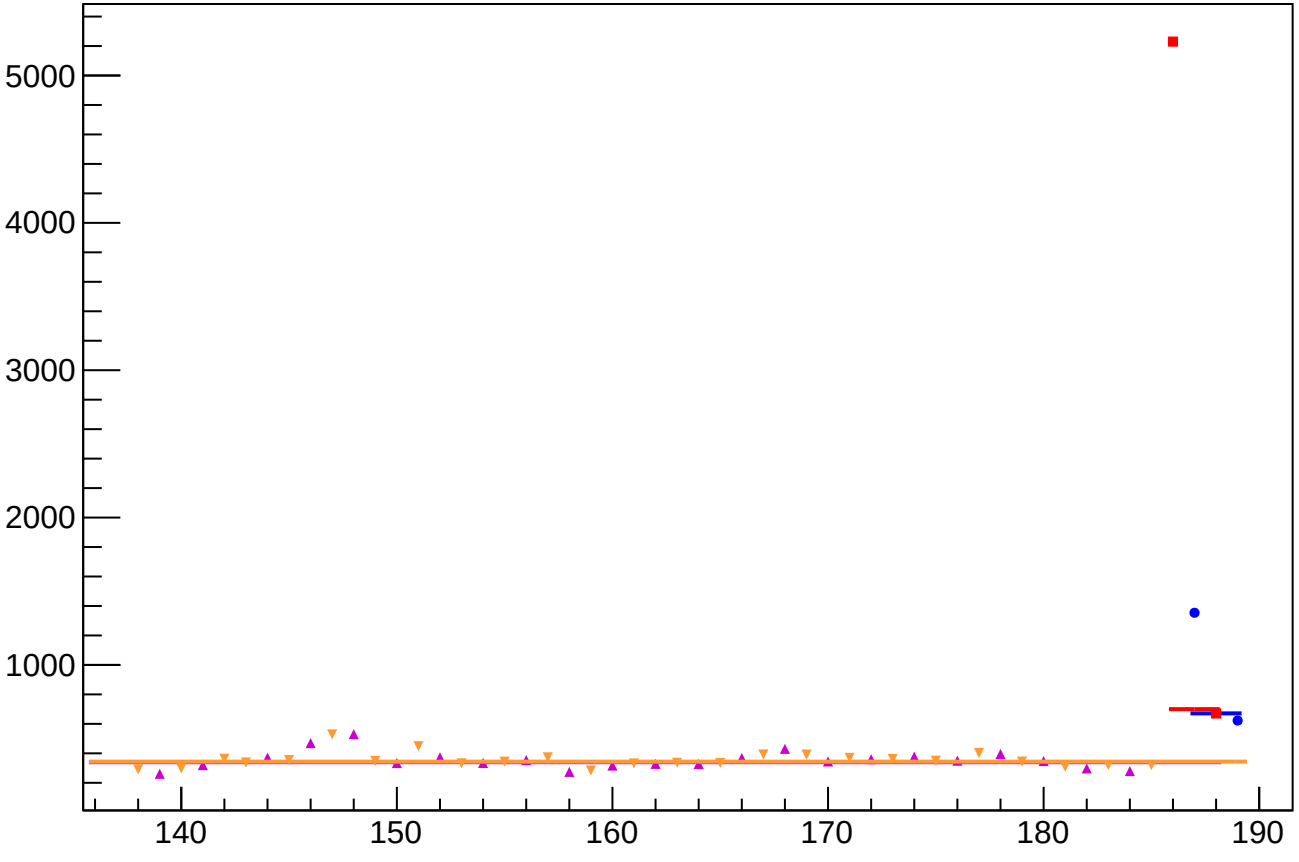
Left In: 59.971+/-82.046 $\chi^2$/NDF:38.0/22

+ sign -8.212+/-80.813 $\chi^2$/NDF: 24.5/26

All: 22.933+/-57.394 $\chi^2$/NDF: 65.0/51

- sign 54.630+/-81.526 $\chi^2$/NDF: 40.2/24

# asym_sam1_correction_rms vs Slug




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

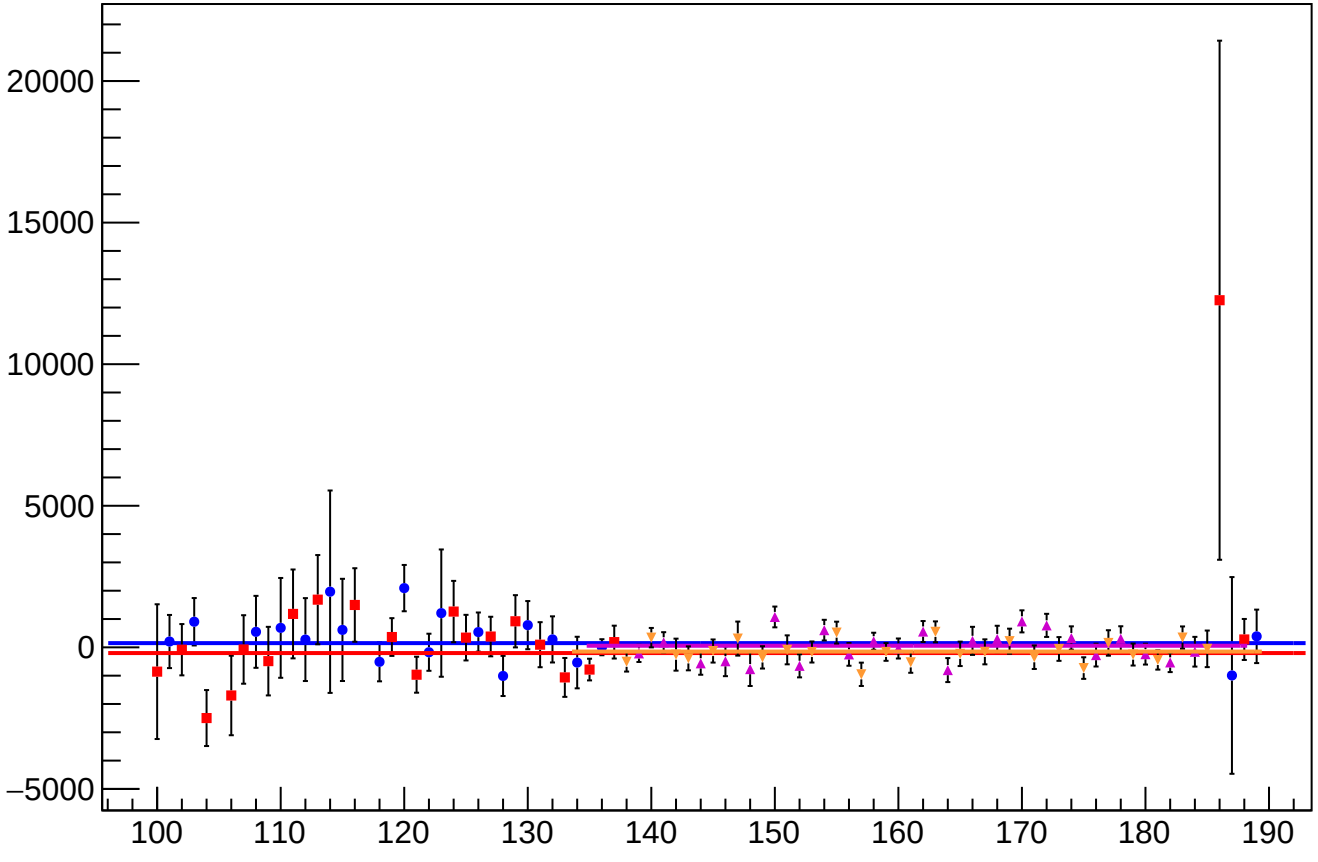
Left In: 339.804+/-0.058 $\chi^2$/NDF:799750.5/22

+ sign 346.241+/-0.057 $\chi^2$/NDF: 913154.7/26

All: 345.307+/-0.041 $\chi^2$/NDF: 2707131.1/51

- sign 344.357+/-0.058 $\chi^2$/NDF: 1793437.7/24

# asym_sam1_mean vs Slug




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

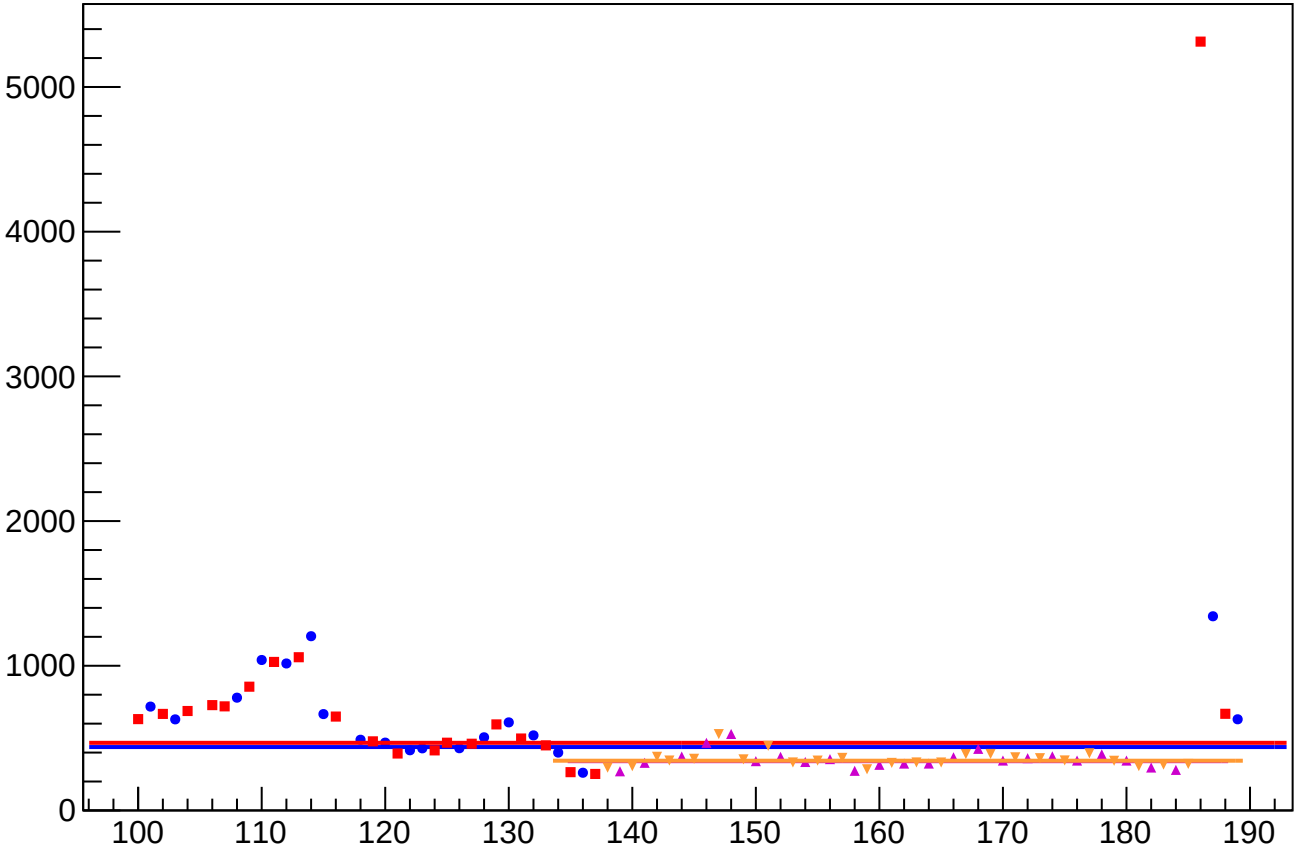
Left In: 56.402+/-82.155 $\chi^2$/NDF:39.7/22

+ sign -96.661+/-73.584 $\chi^2$/NDF: 37.3/43

All: -43.490+/-52.393 $\chi^2$/NDF: 103.8/87

- sign 11.182+/-74.615 $\chi^2$/NDF: 65.4/43

# asym_sam1_rms vs Slug




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

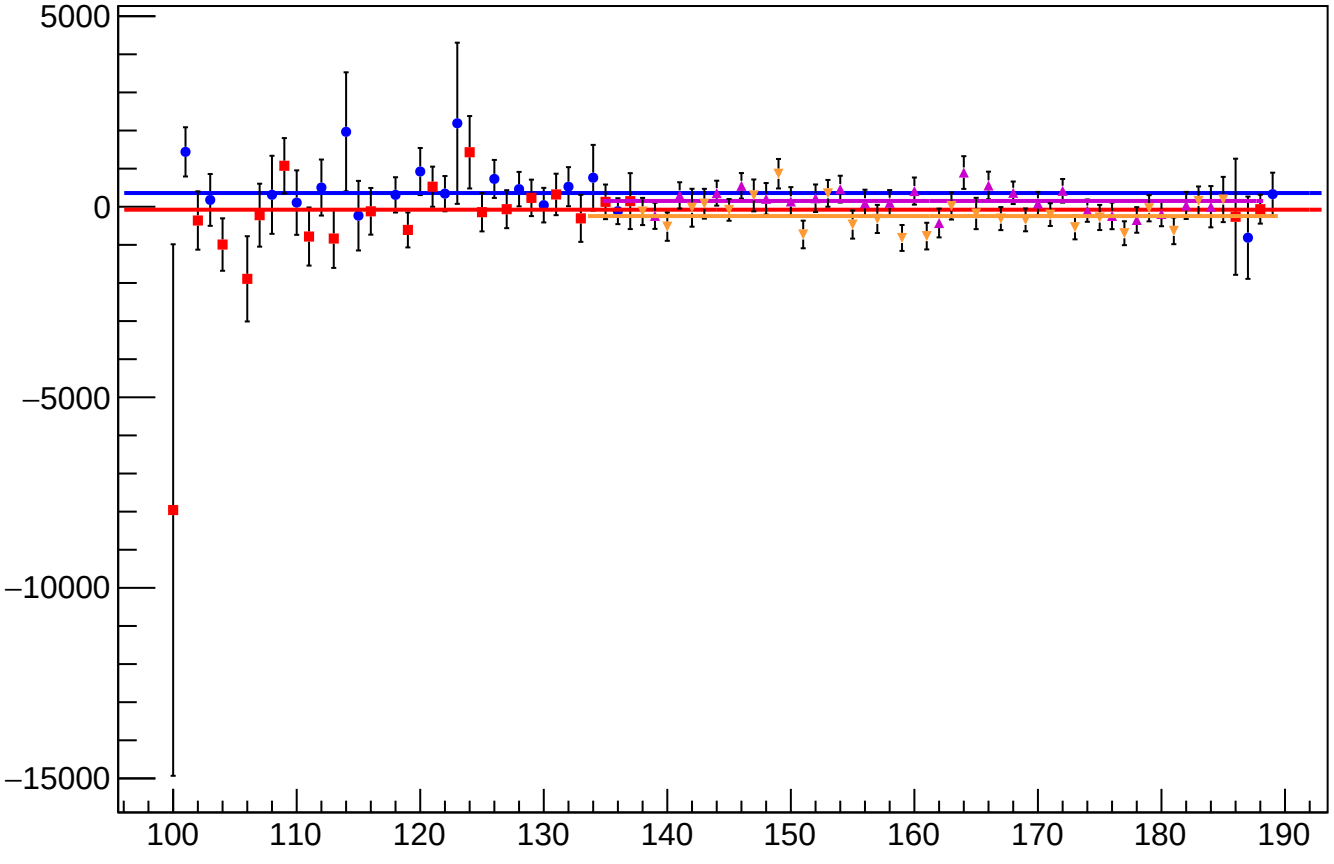
Left In: 340.519+/-0.058 $\chi^2$/NDF:737049.6/22

+ sign 360.291+/-0.052 $\chi^2$/NDF: 3250537.9/43

All: 361.500+/-0.037 $\chi^2$/NDF: 7589169.2/87

- sign 362.743+/-0.053 $\chi^2$/NDF: 4337536.0/43

# dit_asym_sam2_mean vs Slug




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

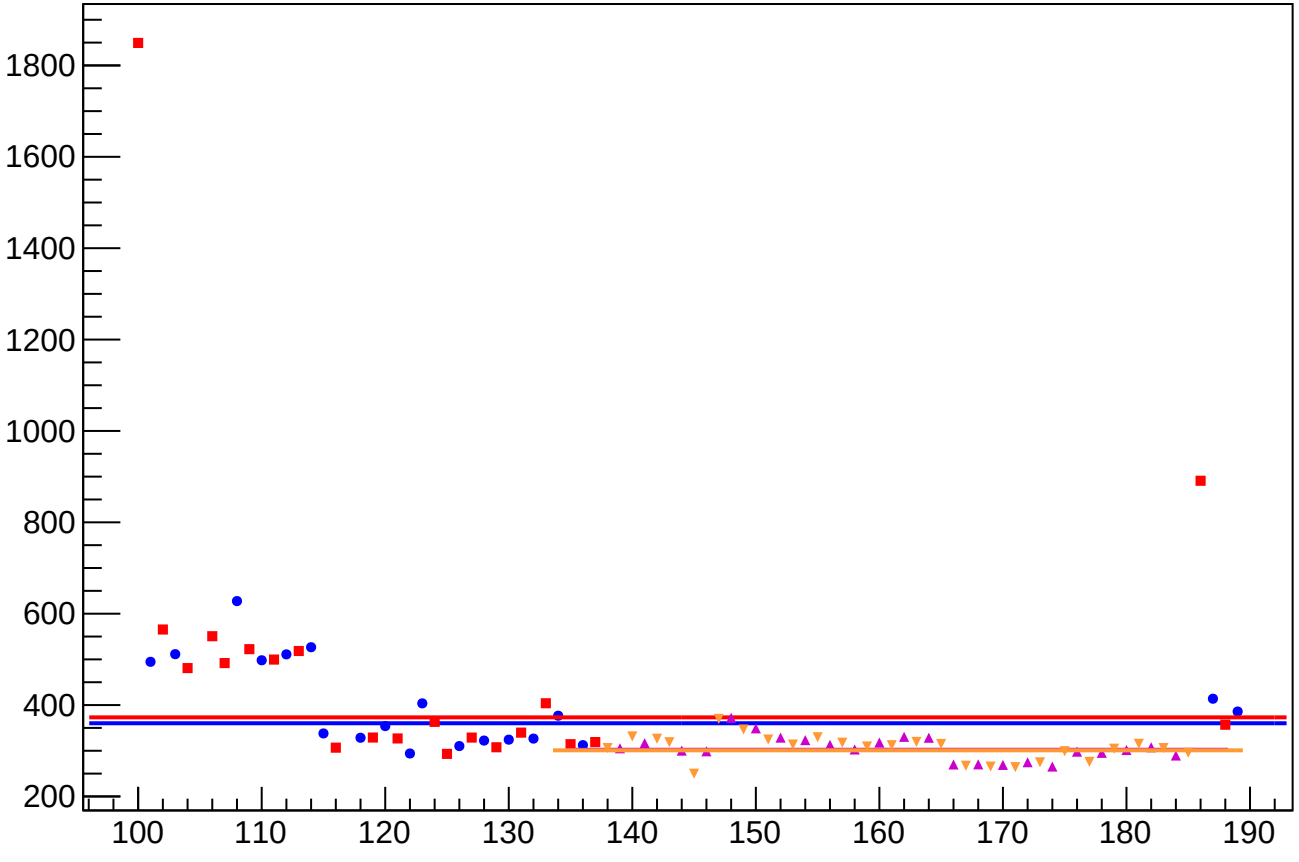
Left In: 152.030+/-72.312 $\chi^2$/NDF:18.2/22

+ sign -115.851+/-62.673 $\chi^2$/NDF: 55.1/43

All: -9.448+/-44.641 $\chi^2$/NDF: 98.2/87

- sign 100.129+/-63.600 $\chi^2$/NDF: 37.2/43

# dit_asym_sam2_rms vs Slug




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

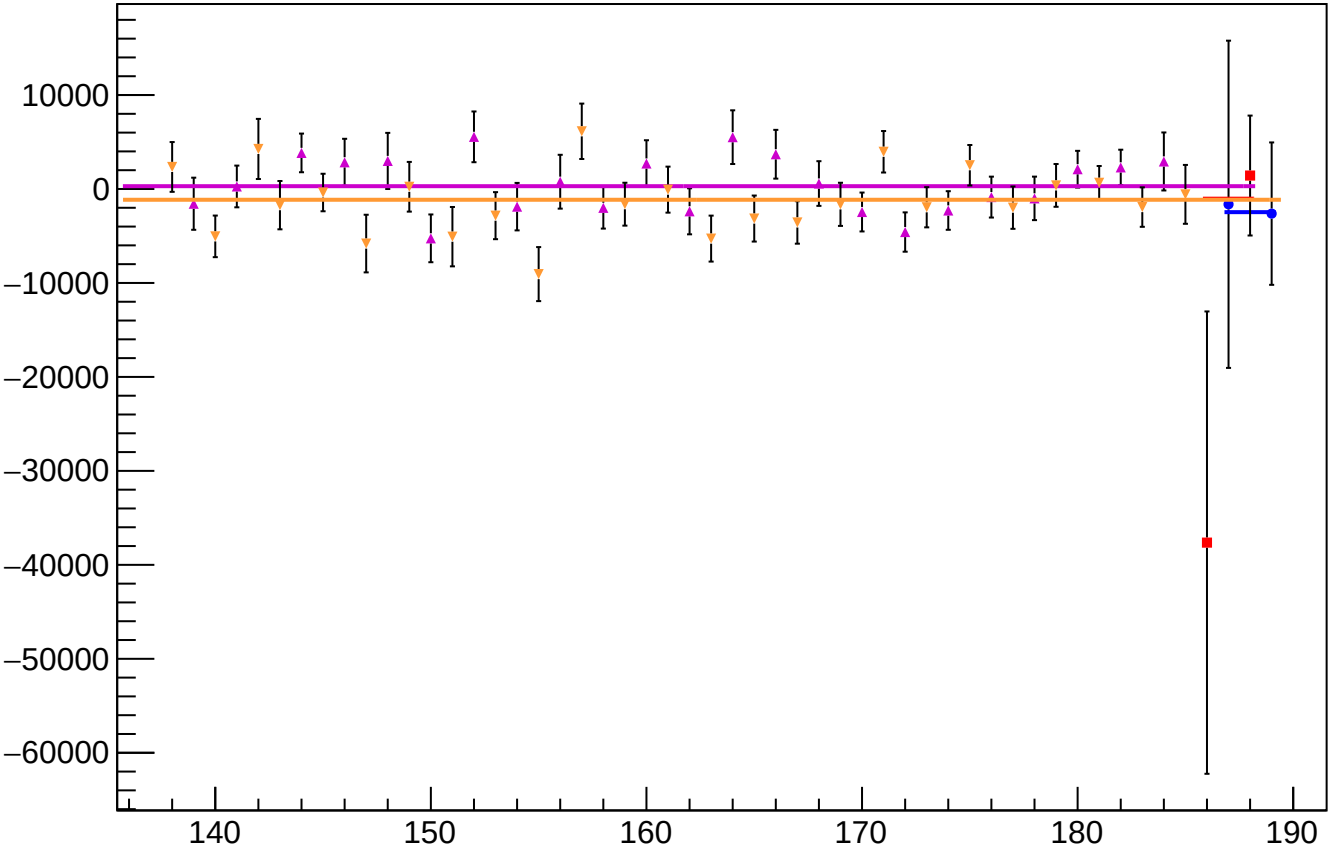
Left In: 302.180+/-0.051 $\chi^2$/NDF:247468.9/22

+ sign 313.563+/-0.044 $\chi^2$/NDF: 1260833.0/43

All: 315.864+/-0.032 $\chi^2$/NDF: 2969088.2/87

- sign 318.233+/-0.045 $\chi^2$/NDF: 1702785.8/43

# asym_sam2_correction_mean vs Slug




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

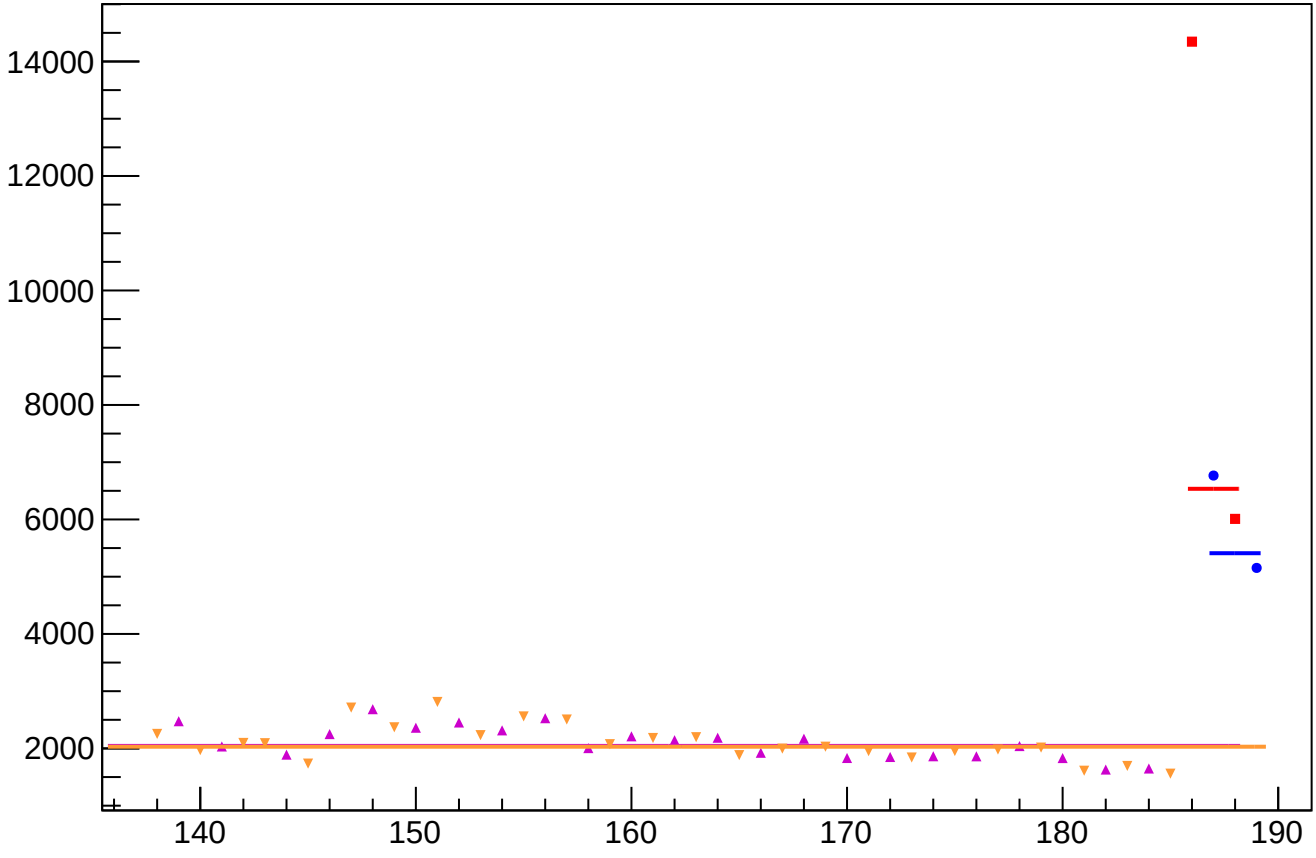
Left In: 298.915+/-491.476 $\chi^2$/NDF:35.0/22

+ sign -1152.726+/-478.809 $\chi^2$/NDF: 41.3/26

All: -447.652+/-342.432 $\chi^2$/NDF: 83.1/51

- sign 290.545+/-489.927 $\chi^2$/NDF: 37.4/24

# asym_sam2_correction_rms vs Slug




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

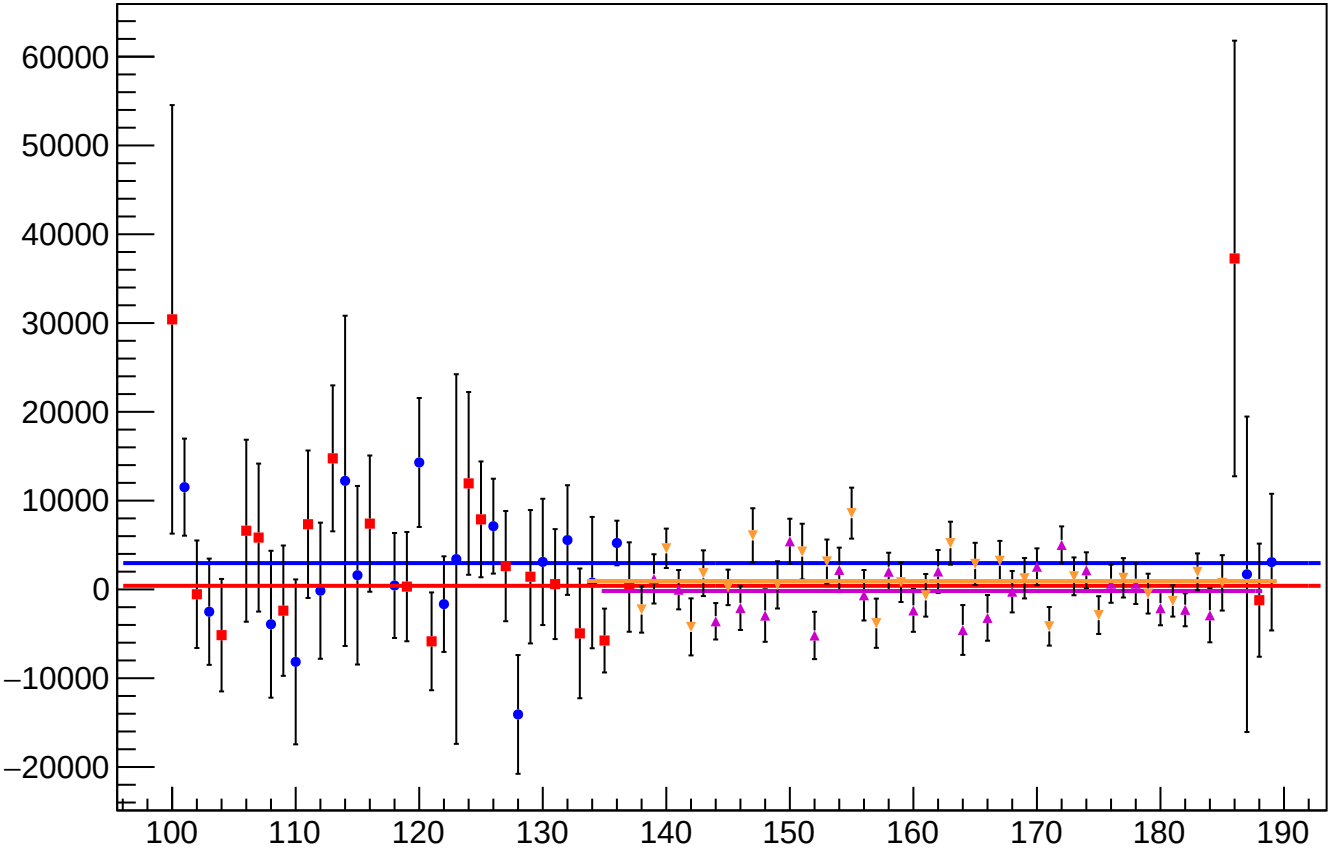
Left In: 2044.056+/-0.348 $\chi^2$/NDF:570535.5/22

+ sign 2046.231+/-0.339 $\chi^2$/NDF: 1188053.1/26

All: 2058.974+/-0.242 $\chi^2$/NDF: 3027512.7/51

- sign 2072.315+/-0.346 $\chi^2$/NDF: 1836560.1/24

# asym_sam2_mean vs Slug




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

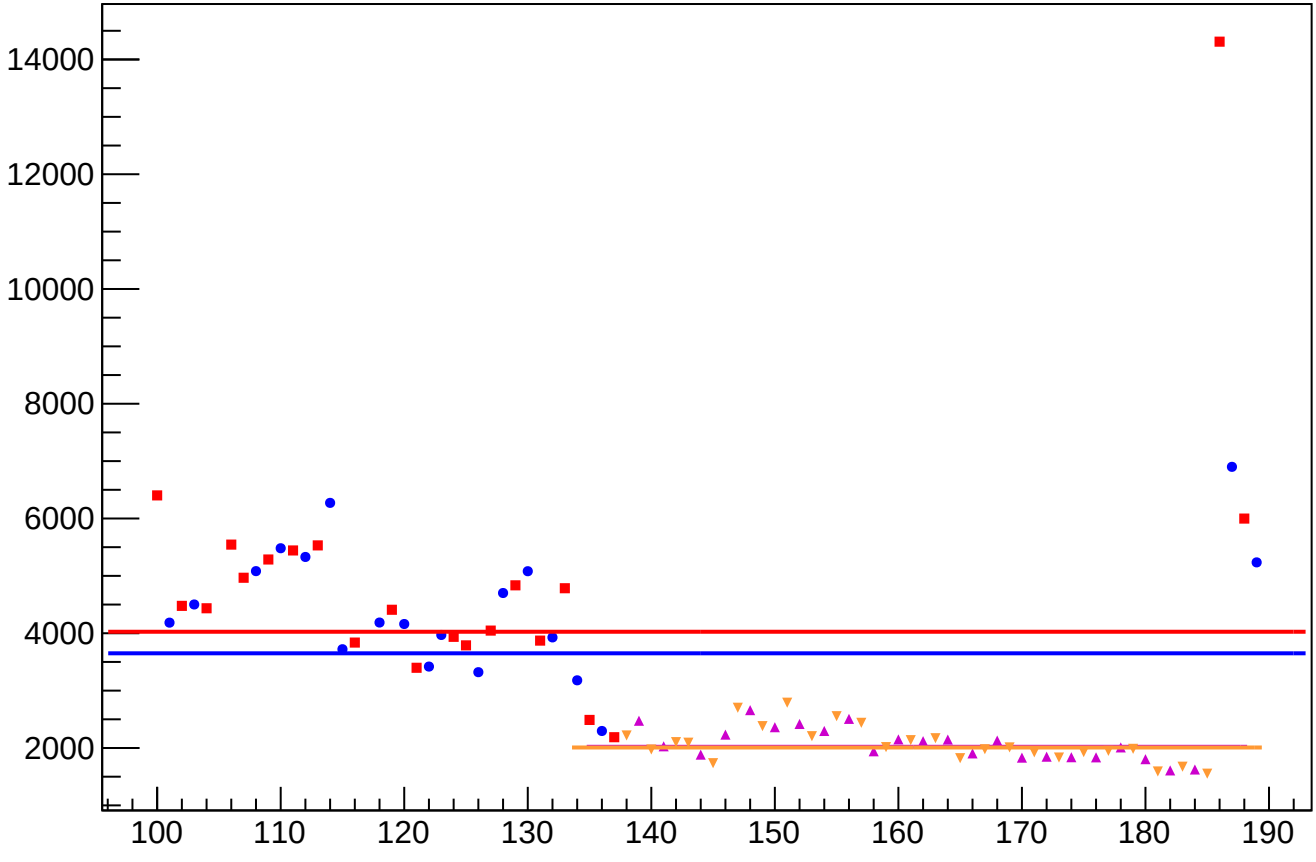
Left In: -180.087+/-486.112 $\chi^2$/NDF:32.9/22

+ sign 1148.042+/-449.712 $\chi^2$/NDF: 57.5/43

All: 529.350+/-322.028 $\chi^2$/NDF: 112.1/87

- sign -121.760+/-461.343 $\chi^2$/NDF: 50.7/43

# asym_sam2_rms vs Slug




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

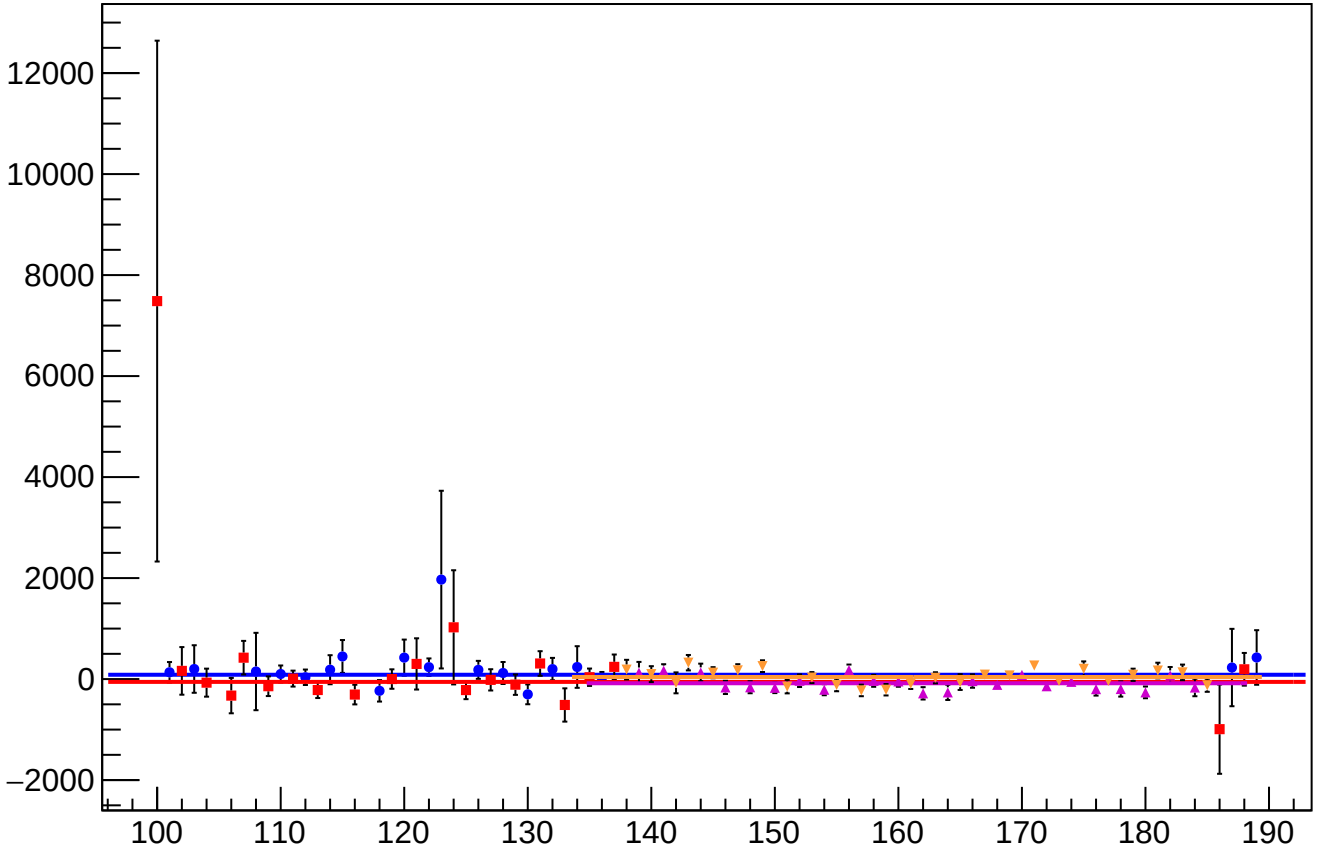
Left In: 2020.887+/-0.344 $\chi^2$/NDF:576363.5/22

+ sign 2175.539+/-0.318 $\chi^2$/NDF: 4385869.5/43

All: 2197.212+/-0.228 $\chi^2$/NDF: 9902632.1/87

- sign 2220.020+/-0.326 $\chi^2$/NDF: 5507229.3/43

# dit_asym_sam3_mean vs Slug




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

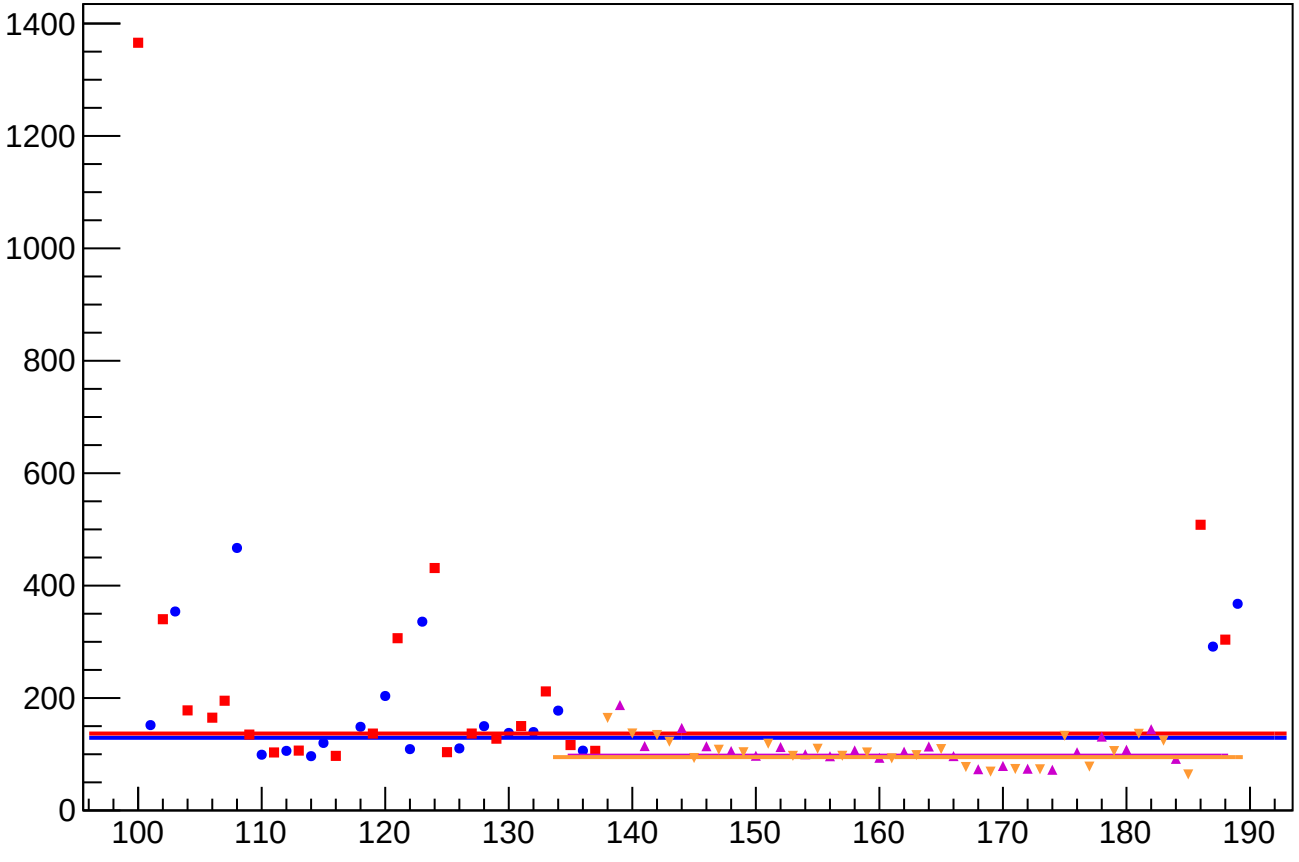
Left In: -82.630+/-24.154 $\chi^2$/NDF:28.6/22

+ sign 49.140+/-21.031 $\chi^2$/NDF: 51.7/43

All: -11.714+/-15.180 $\chi^2$/NDF: 116.1/87

- sign -77.900+/-21.933 $\chi^2$/NDF: 47.0/43

# dit_asym_sam3_rms vs Slug




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

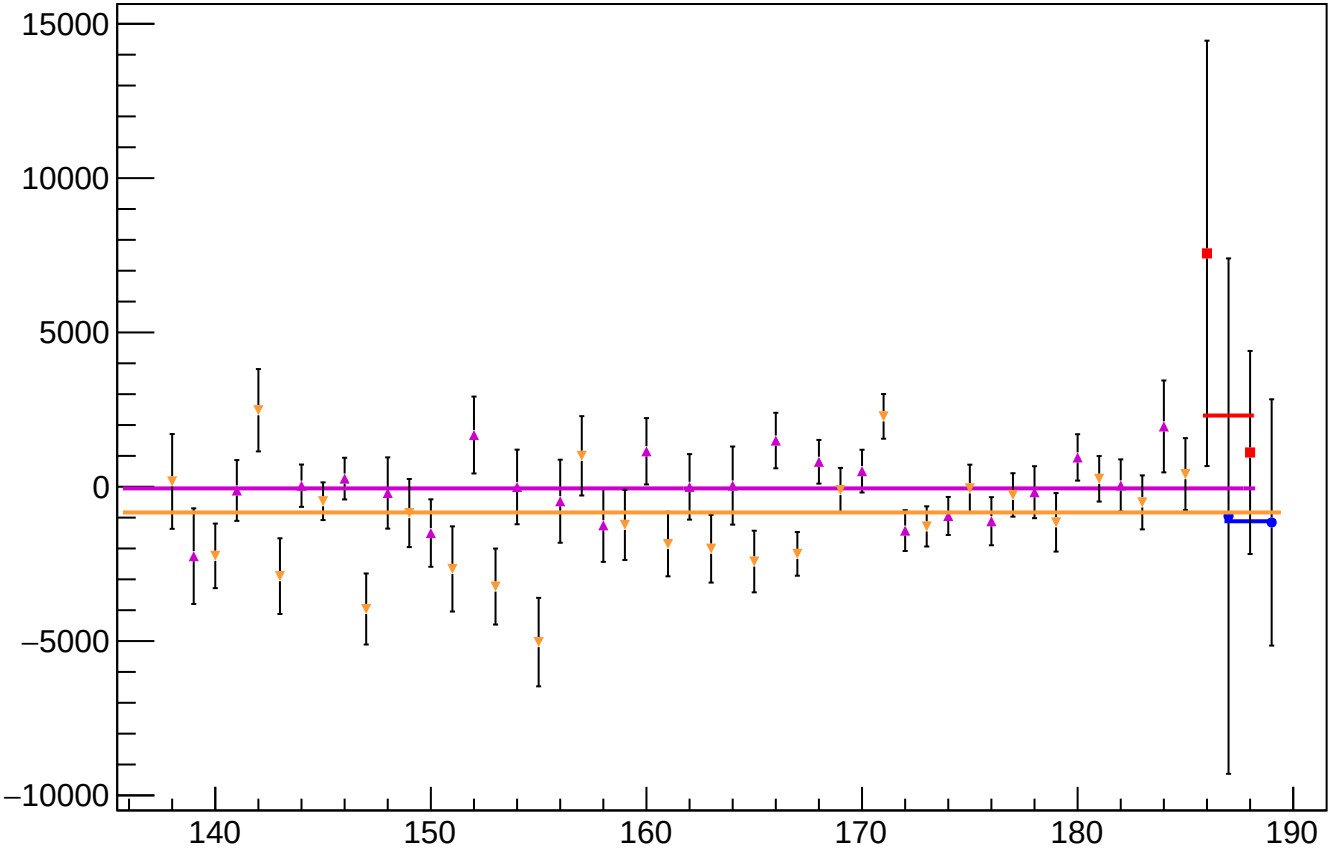
Left In: 97.499+/-0.017 $\chi^2$/NDF:1561333.1/22

+ sign 100.611+/-0.015 $\chi^2$/NDF: 4334788.6/43

All: 102.427+/-0.011 $\chi^2$/NDF: 9196900.7/87

- sign 104.401+/-0.016 $\chi^2$/NDF: 4830998.3/43

# asym_sam3_correction_mean vs Slug




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

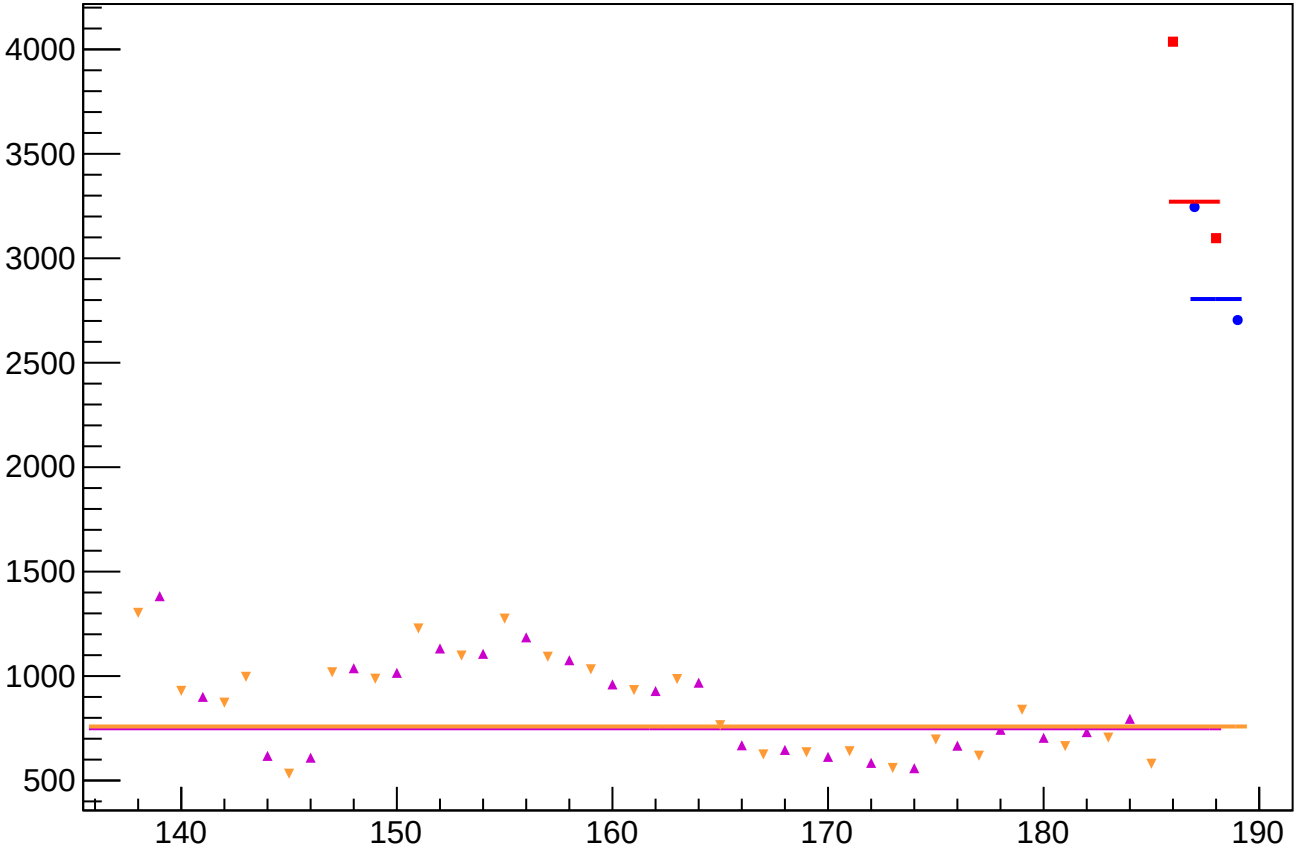
Left In: -53.006+/-184.870 $\chi^2$/NDF:25.3/22

+ sign -833.323+/-183.721 $\chi^2$/NDF: 68.8/26

All: -440.304+/-130.189 $\chi^2$/NDF: 104.7/51

- sign -43.888+/-184.513 $\chi^2$/NDF: 26.7/24

# asym_sam3_correction_rms vs Slug




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

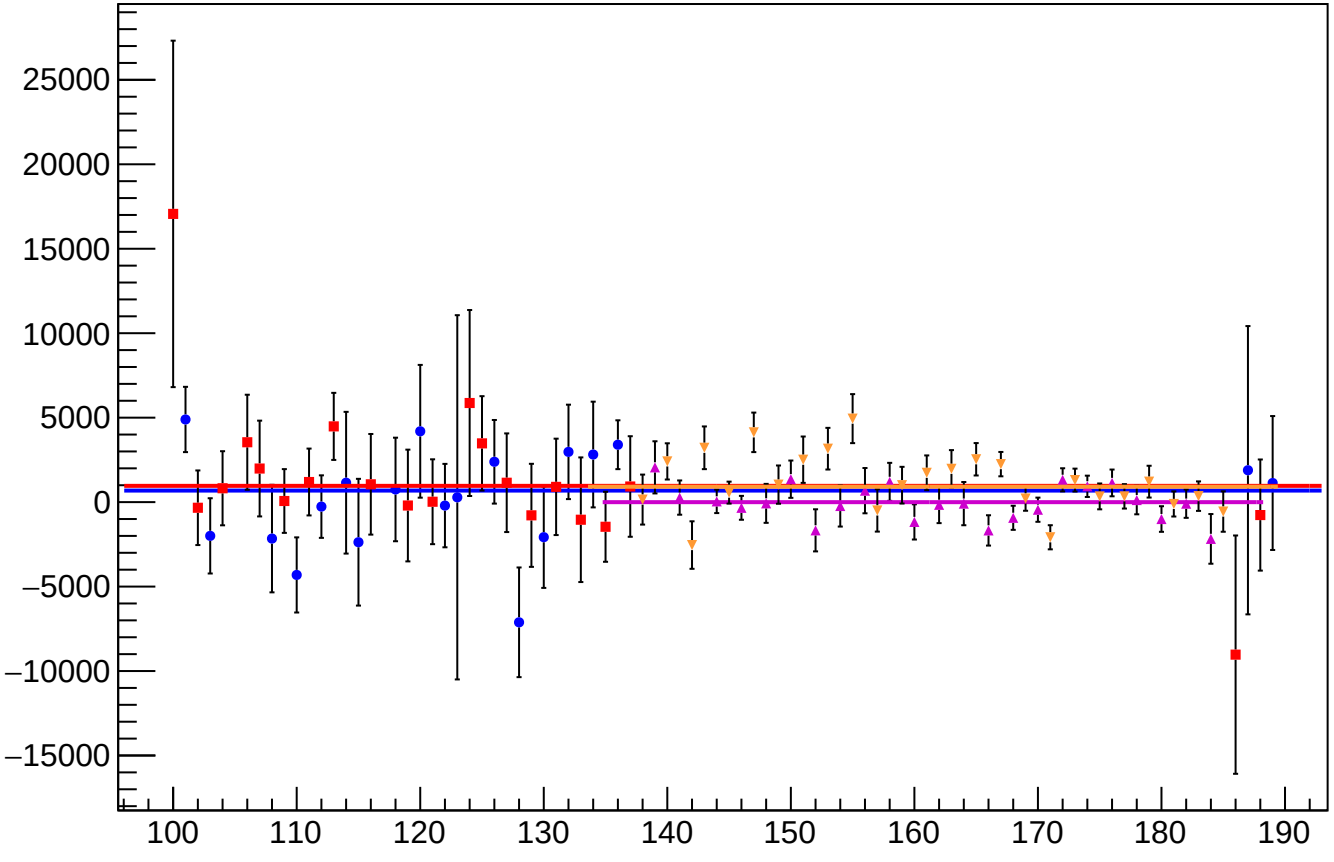
Left In: 749.995+/-0.131 $\chi^2$/NDF:2186634.5/22

+ sign 763.936+/-0.130 $\chi^2$/NDF: 3104898.4/26

All: 761.842+/-0.092 $\chi^2$/NDF: 6758576.8/51

- sign 759.731+/-0.130 $\chi^2$/NDF: 3653156.8/24

# asym_sam3_mean vs Slug




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

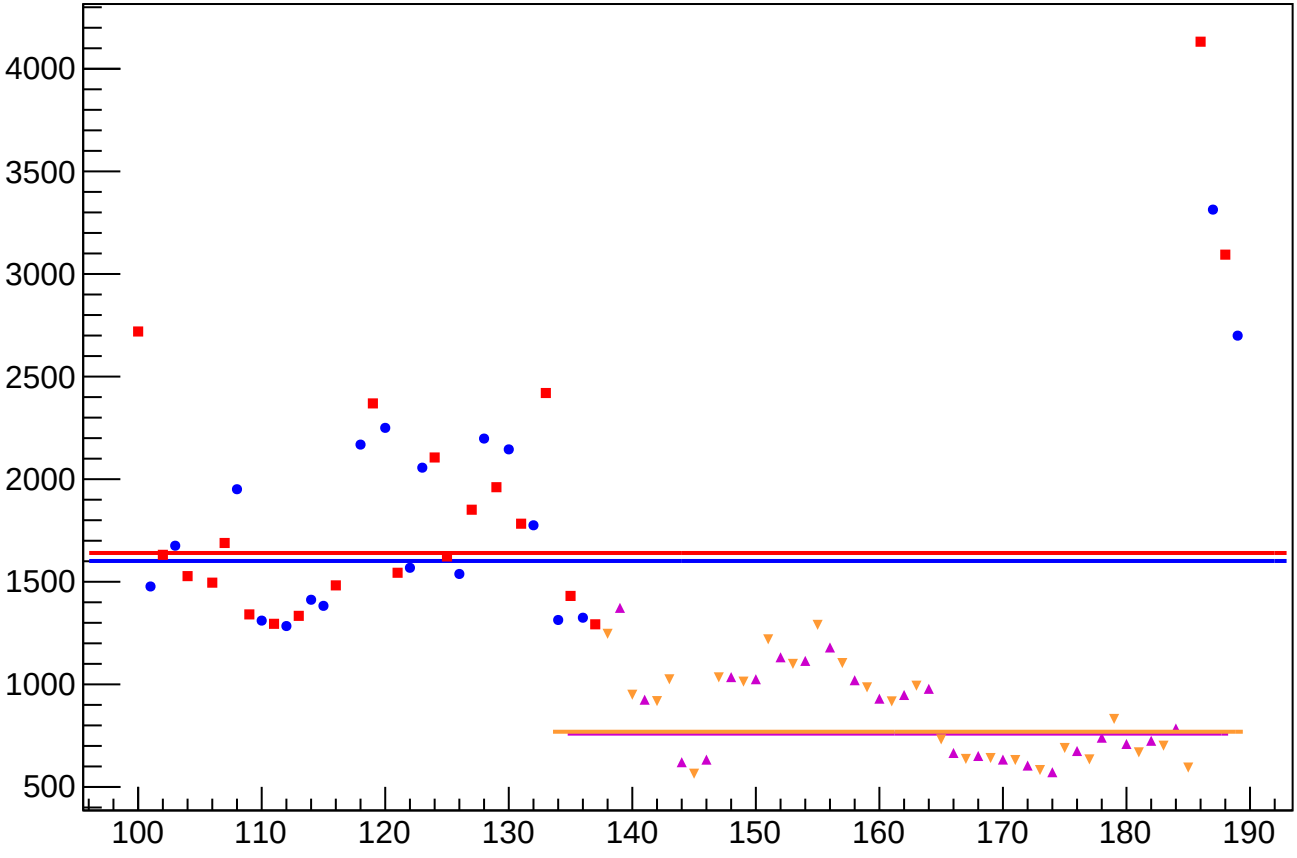
Left In: -2.470+/-187.271 $\chi^2$/NDF:25.6/22

+ sign 892.477+/-178.001 $\chi^2$/NDF: 90.7/43

All: 490.269+/-126.047 $\chi^2$/NDF: 142.3/87

- sign 85.738+/-178.514 $\chi^2$/NDF: 41.4/43

# asym_sam3_rms vs Slug




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

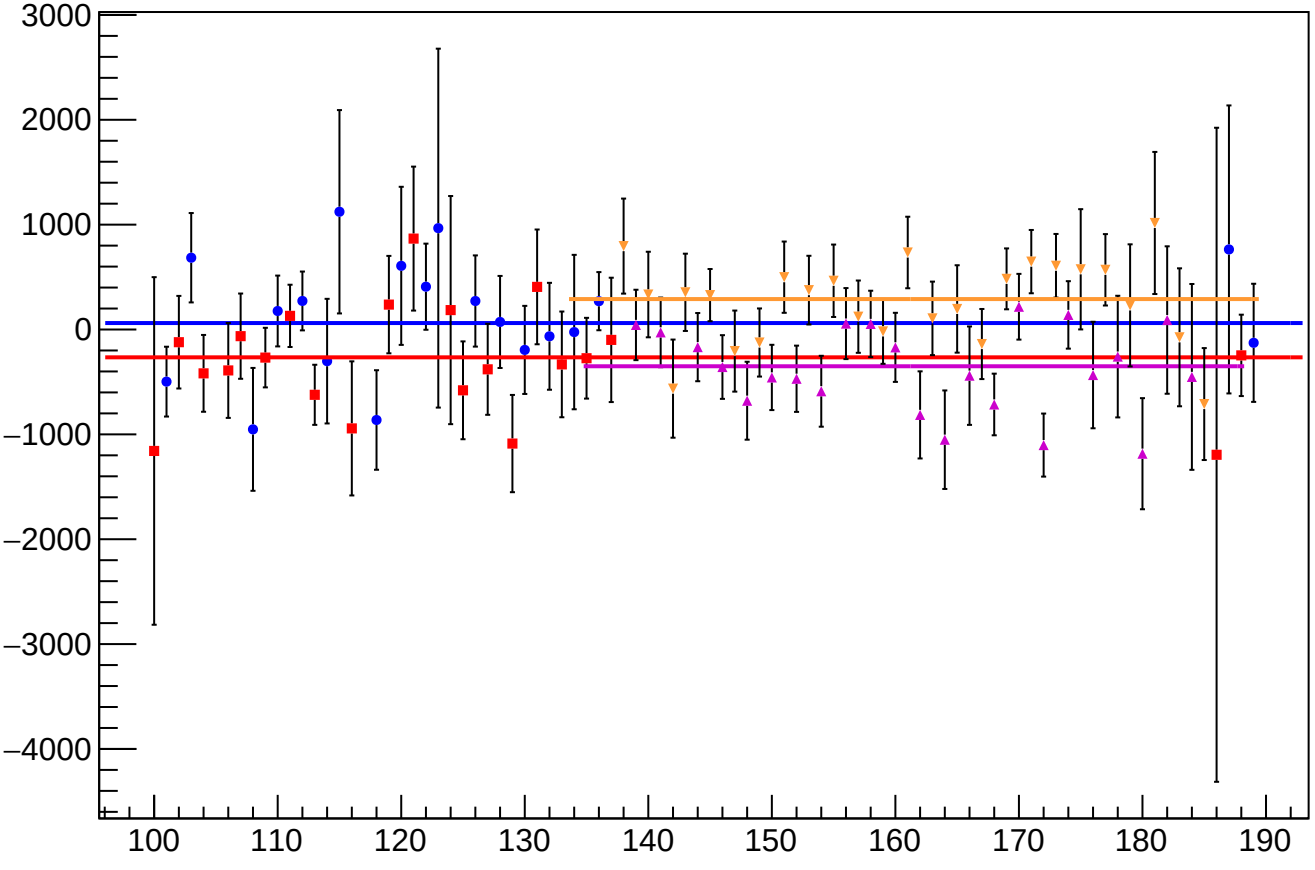
Left In: 759.935+/-0.132 $\chi^2$/NDF:2014703.5/22

+ sign 840.099+/-0.126 $\chi^2$/NDF: 6413568.0/43

All: 840.222+/-0.089 $\chi^2$/NDF: 13592577.0/87

- sign 840.346+/-0.126 $\chi^2$/NDF: 7179007.0/43

# dit_asym_sam4_mean vs Slug




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

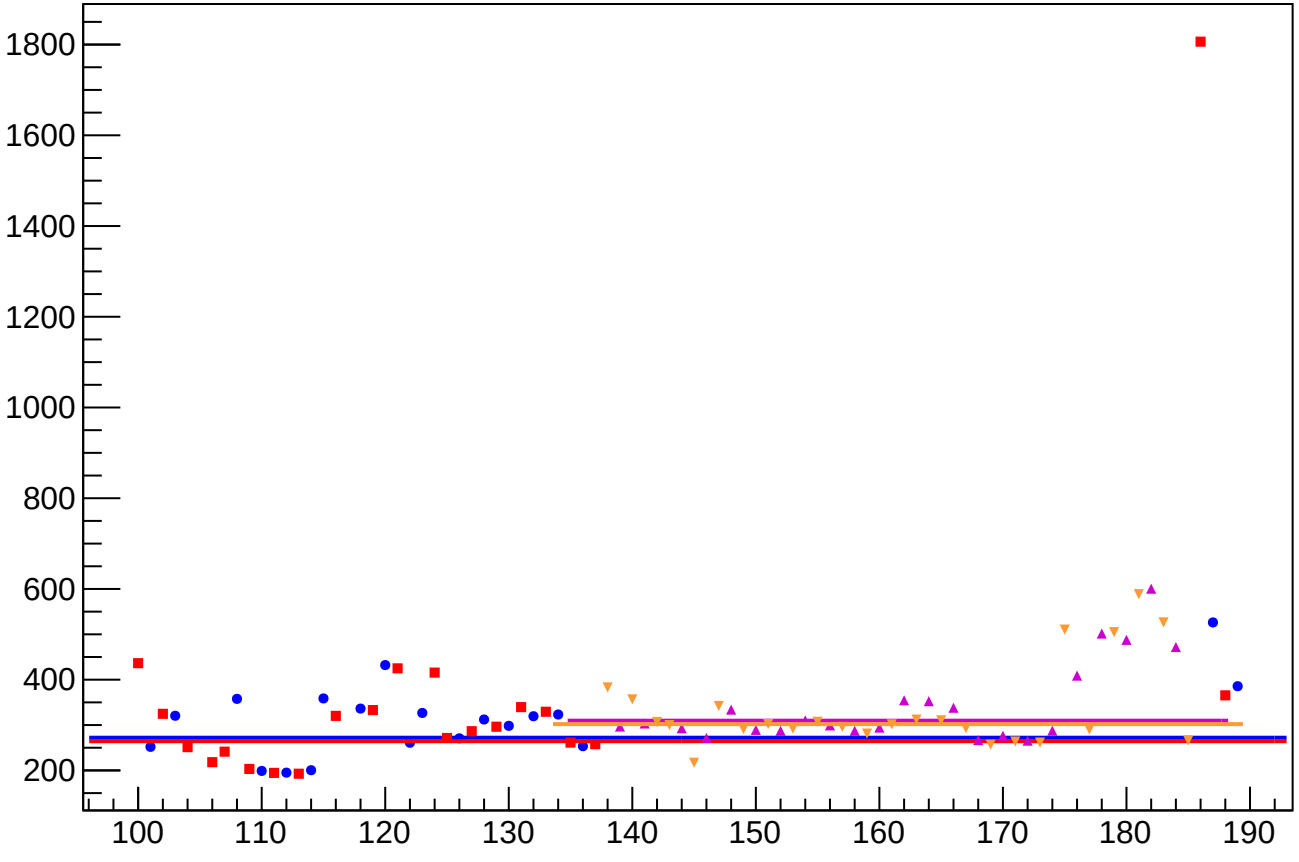
Left In: -350.522+/-75.911 $\chi^2$/NDF:27.4/22

+ sign 214.205+/-59.557 $\chi^2$/NDF: 42.8/43

All: -51.644+/-42.128 $\chi^2$/NDF: 125.3/87

- sign -317.861+/-59.598 $\chi^2$/NDF: 42.6/43

# dit_asym_sam4_rms vs Slug




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

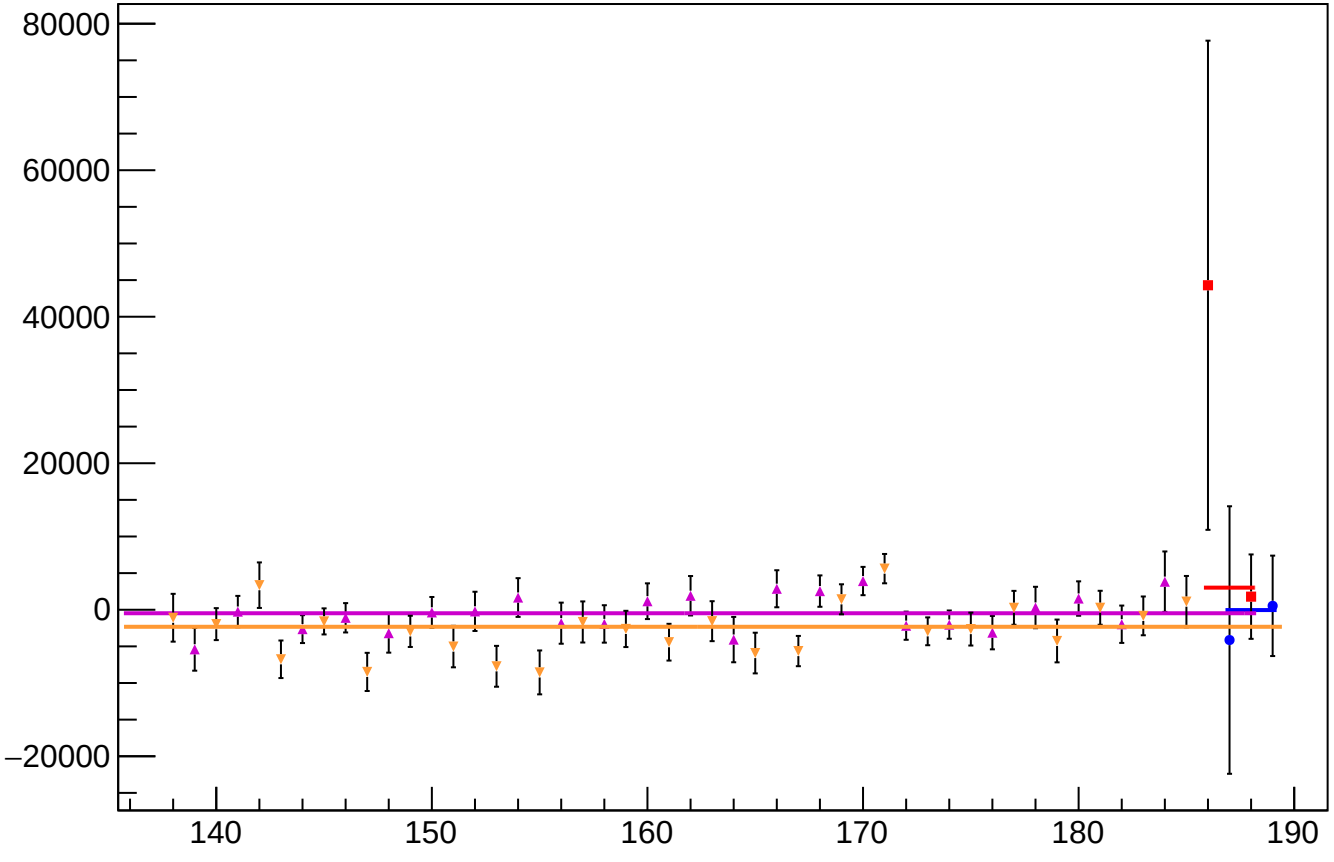
Left In: 309.609+/-0.054 $\chi^2$/NDF:1180280.8/22

+ sign 292.075+/-0.042 $\chi^2$/NDF: 2415428.0/43

All: 292.183+/-0.030 $\chi^2$/NDF: 5202117.7/87

- sign 292.291+/-0.042 $\chi^2$/NDF: 2786676.6/43

# asym_sam4_correction_mean vs Slug




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

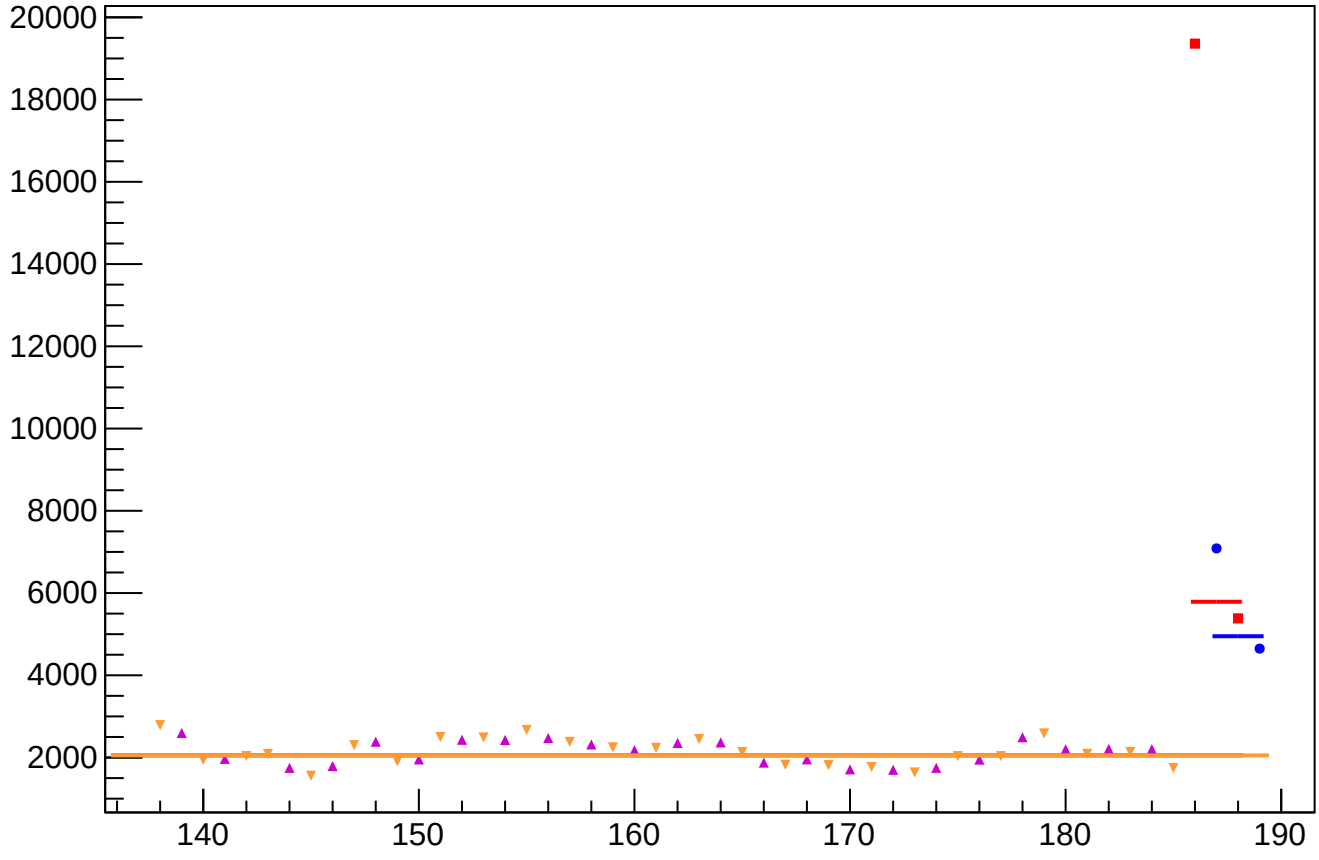
Left In: -477.779+/-494.228 $\chi^2$/NDF:23.1/22

+ sign -2312.466+/-484.655 $\chi^2$/NDF: 50.0/26

All: -1396.665+/-345.397 $\chi^2$/NDF: 82.3/51

- sign -451.489+/-492.367 $\chi^2$/NDF: 25.0/24

# asym_sam4_correction_rms vs Slug




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

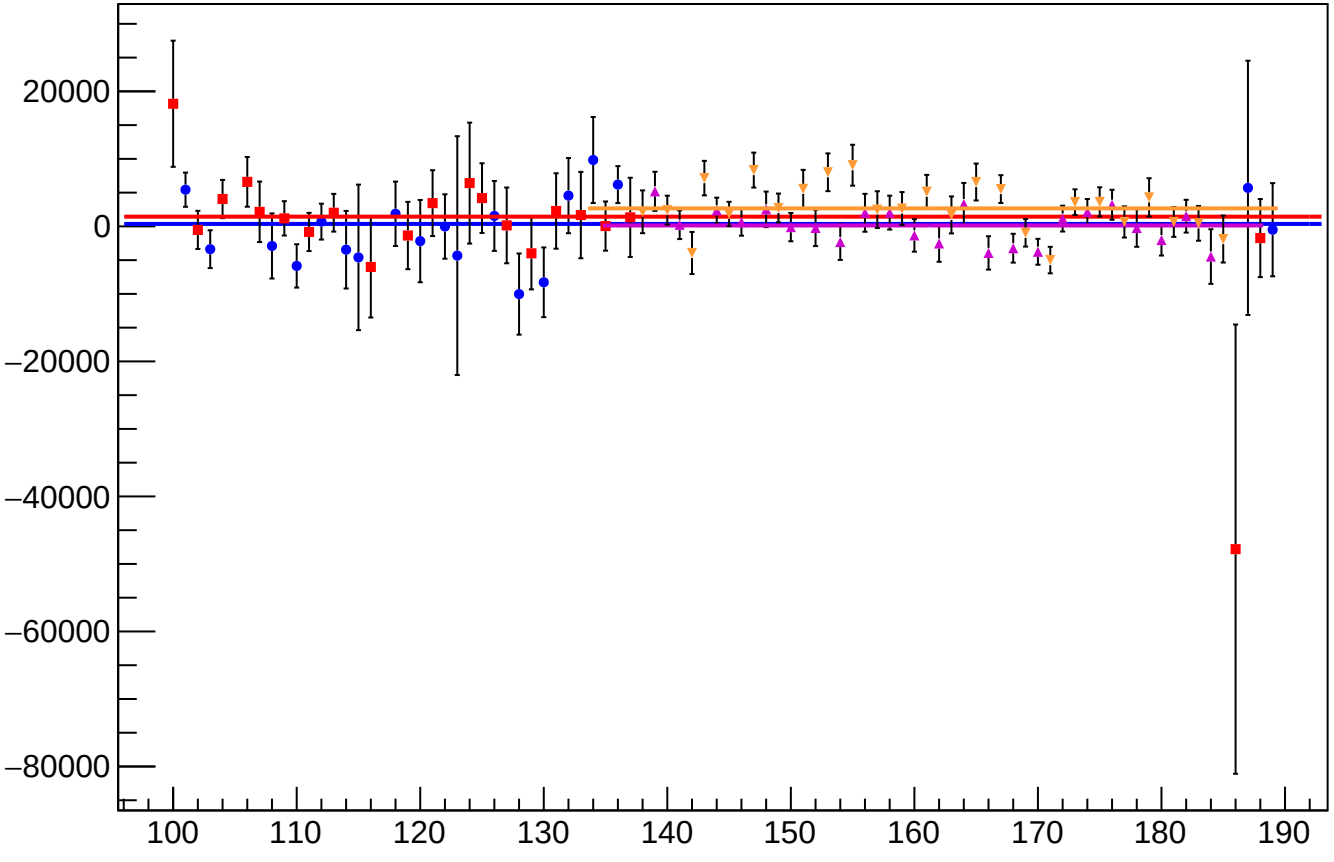
Left In: 2052.384+/-0.349 $\chi^2$/NDF:653872.2/22

+ sign 2068.929+/-0.343 $\chi^2$/NDF: 1274666.7/26

All: 2074.612+/-0.244 $\chi^2$/NDF: 3128807.1/51

- sign 2080.478+/-0.348 $\chi^2$/NDF: 1853581.5/24

# asym_sam4_mean vs Slug




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

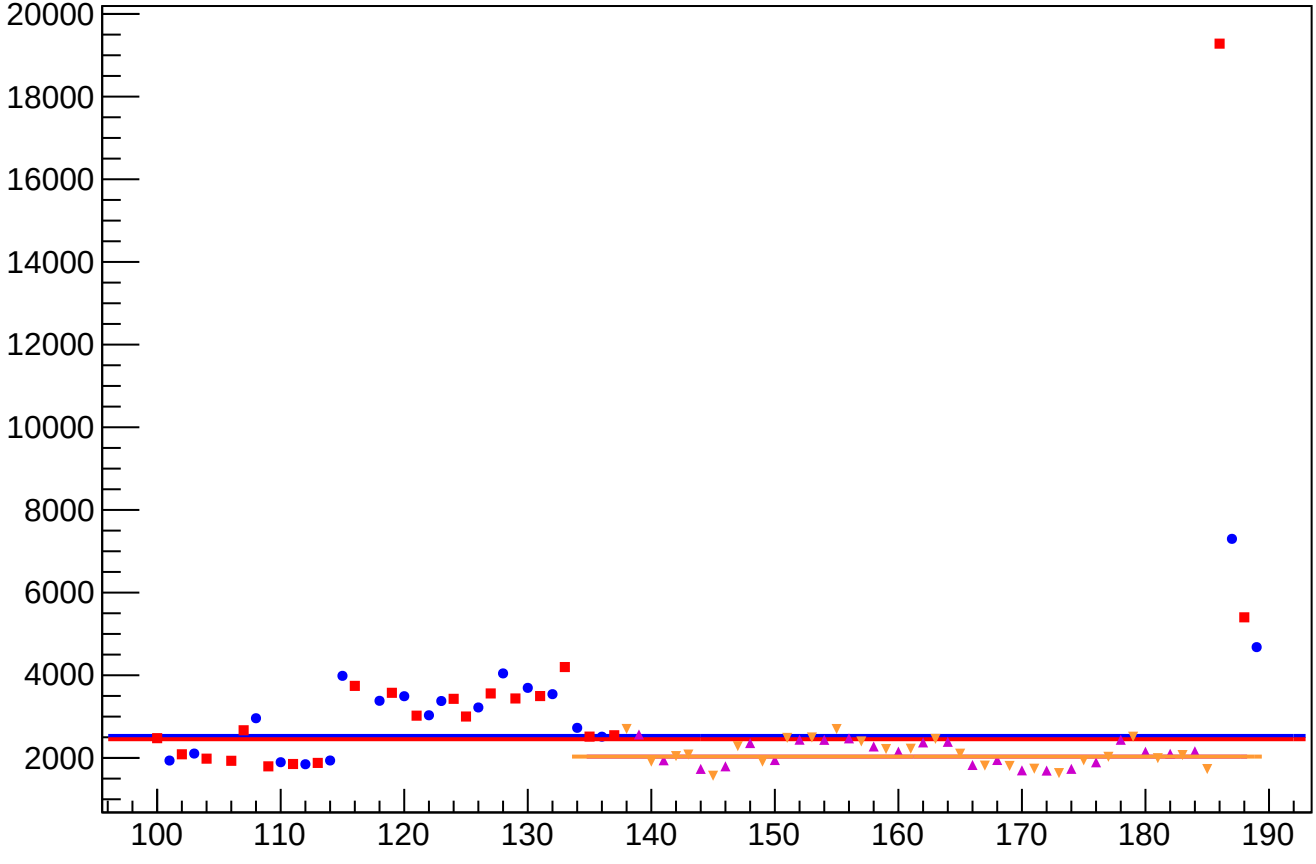
Left In: 132.307+/-489.752 $\chi^2$/NDF:24.7/22

+ sign 2220.675+/-431.856 $\chi^2$/NDF: 78.7/43

All: 1321.875+/-305.237 $\chi^2$/NDF: 126.7/87

- sign 424.626+/-431.483 $\chi^2$/NDF: 39.4/43

# asym_sam4_rms vs Slug




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

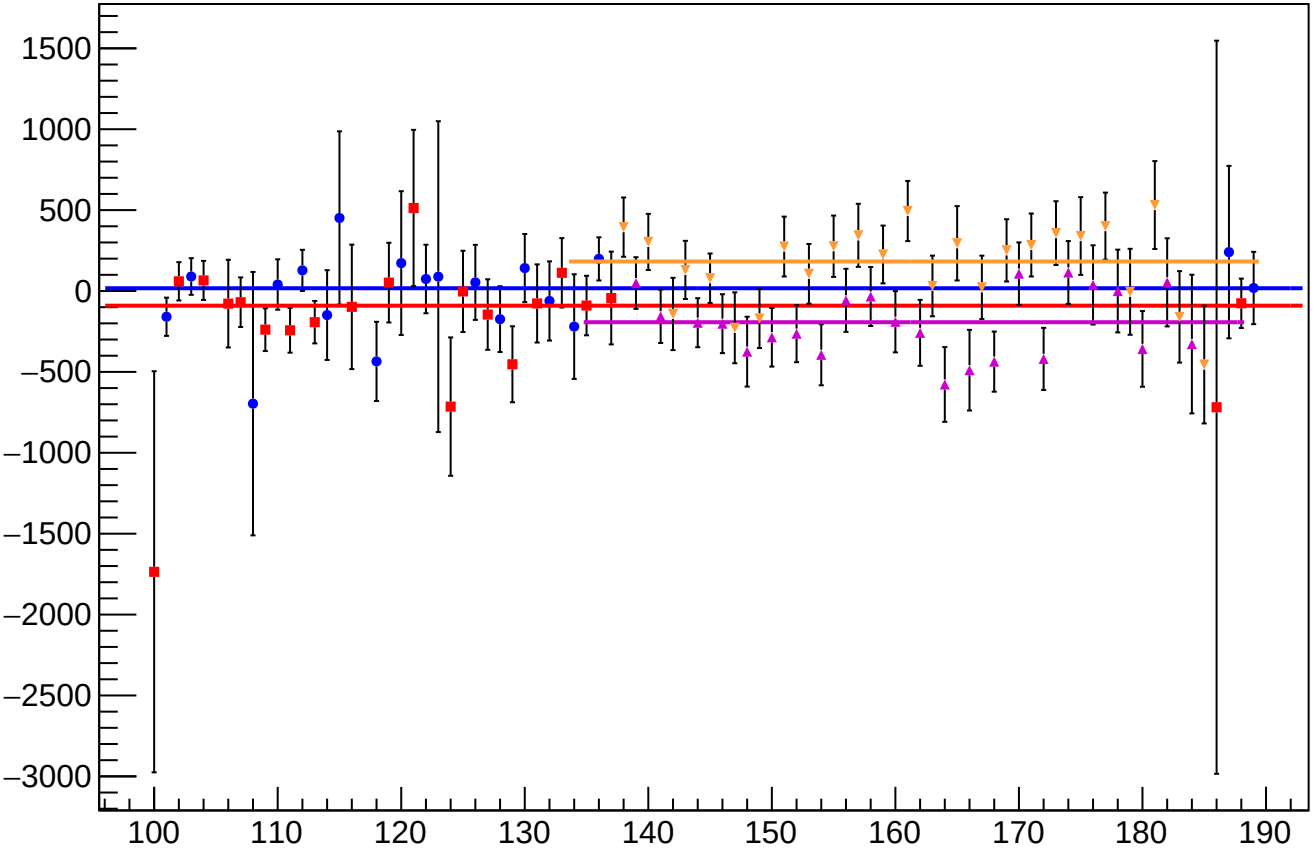
Left In: 2031.692+/-0.346 $\chi^2$/NDF:653382.0/22

+ sign 2129.306+/-0.305 $\chi^2$/NDF: 2477633.8/43

All: 2127.613+/-0.216 $\chi^2$/NDF: 5535109.8/87

- sign 2125.922+/-0.305 $\chi^2$/NDF: 3057414.5/43

# dit_asym_sam5_mean vs Slug




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

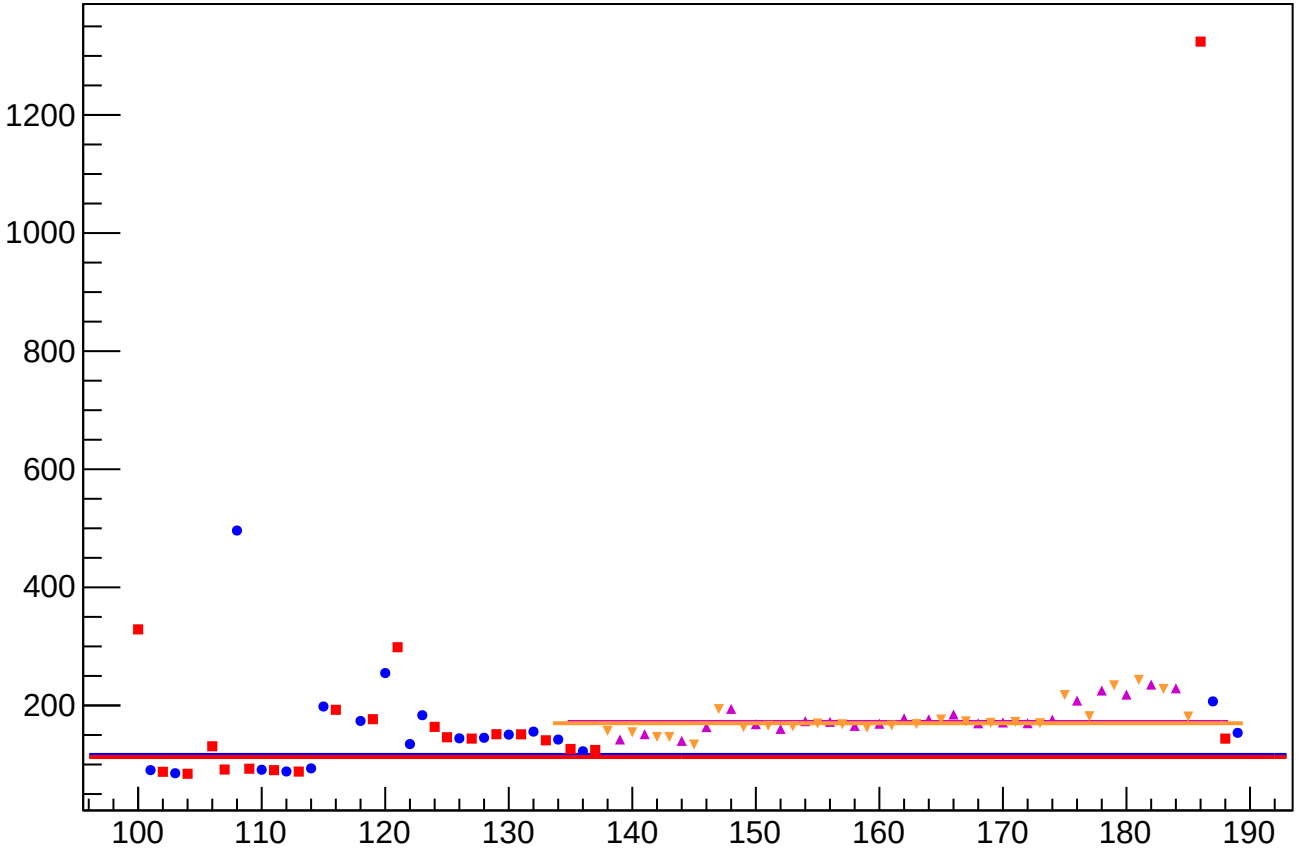
Left In: -193.004+/-41.384 $\chi^2$/NDF:21.1/22

+ sign 109.682+/-30.029 $\chi^2$/NDF: 47.1/43

All: -19.081+/-20.994 $\chi^2$/NDF: 122.9/87

- sign -142.182+/-29.361 $\chi^2$/NDF: 39.8/43

# dit_asym_sam5_rms vs Slug




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

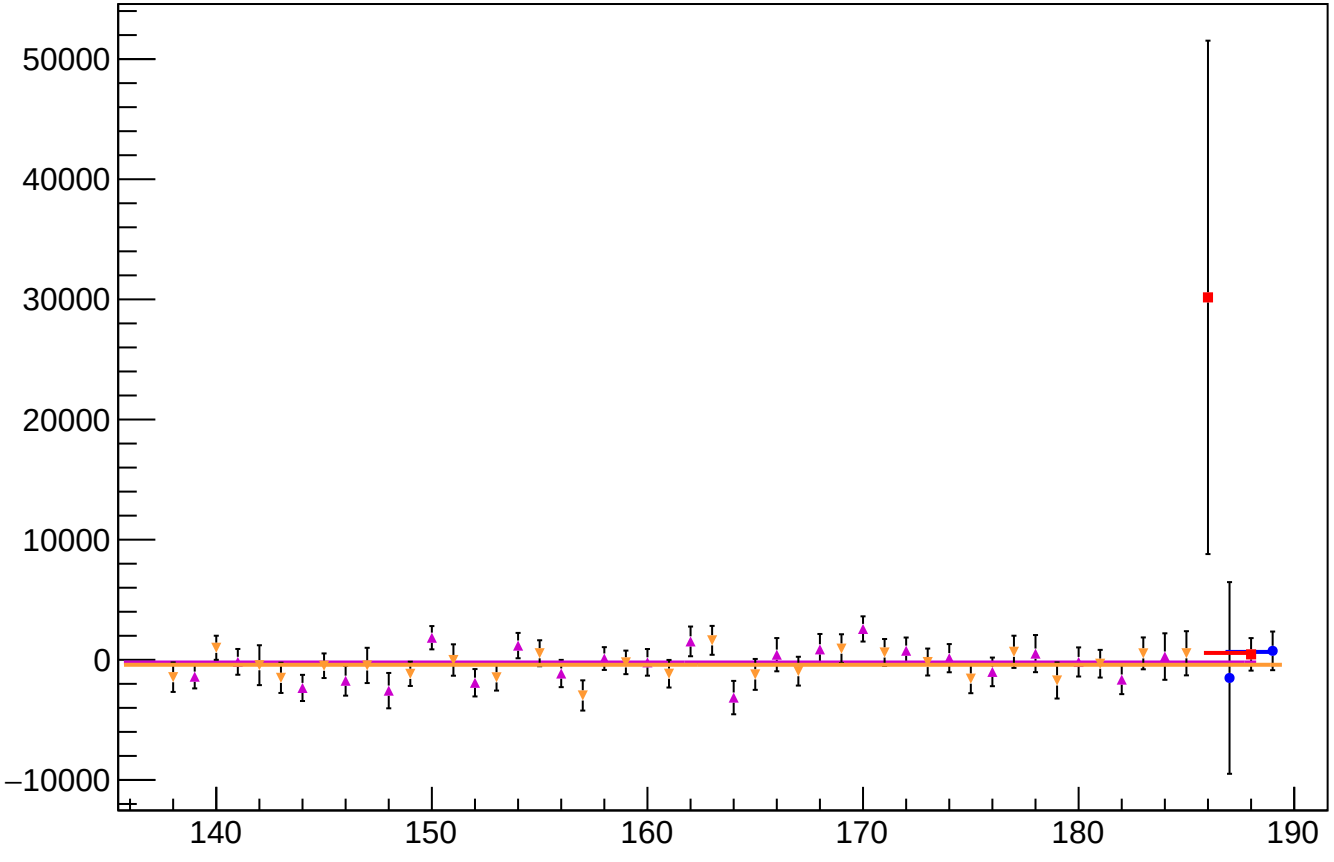
Left In: 172.065+/-0.029 $\chi^2$/NDF:589733.9/22

+ sign 146.329+/-0.021 $\chi^2$/NDF: 3763458.9/43

All: 144.406+/-0.015 $\chi^2$/NDF: 8322199.2/87

- sign 142.566+/-0.021 $\chi^2$/NDF: 4542685.8/43

# asym_sam5_correction_mean vs Slug




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

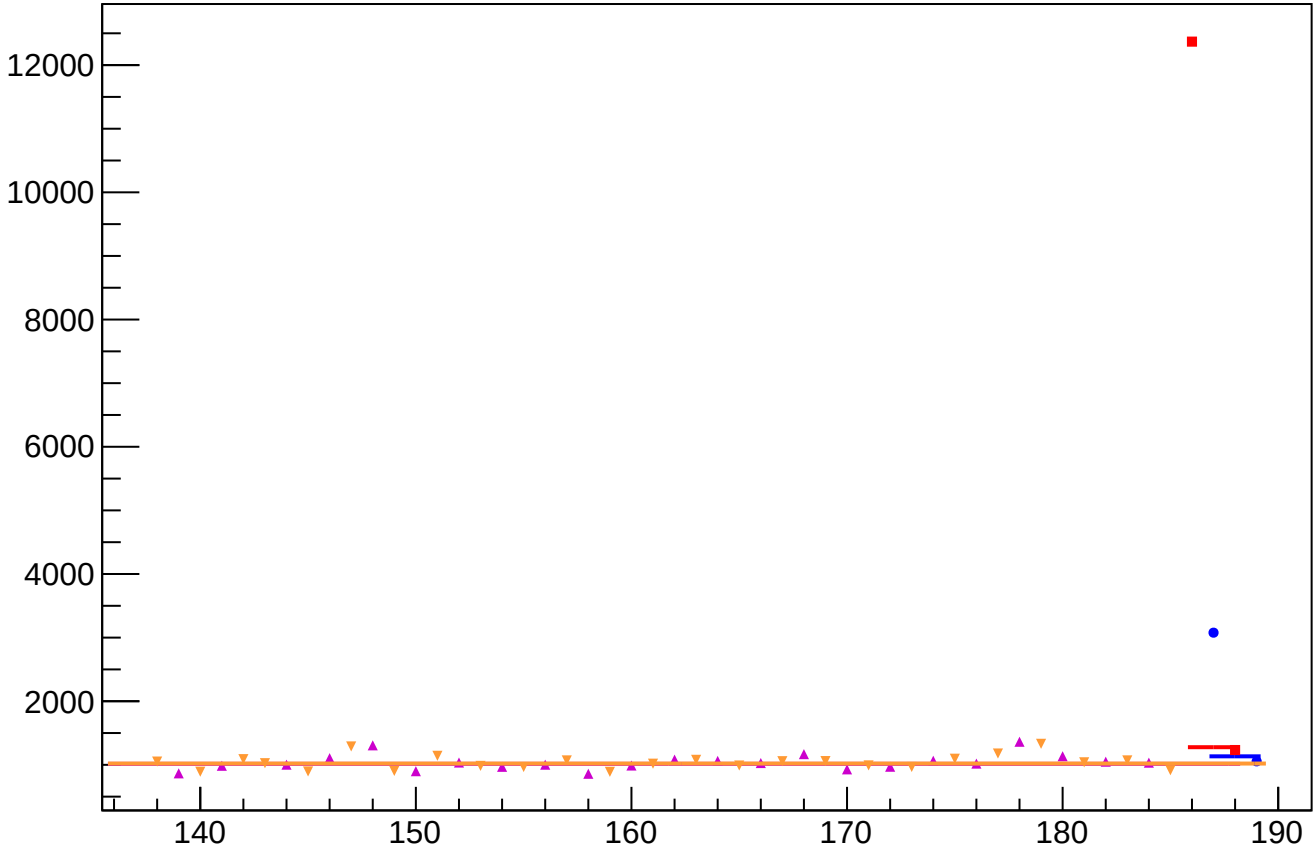
Left In: -223.332+/-243.771 $\chi^2$/NDF:36.0/22

+ sign -388.516+/-237.534 $\chi^2$/NDF: 19.6/26

All: -294.321+/-168.792 $\chi^2$/NDF: 58.2/51

- sign -198.241+/-239.899 $\chi^2$/NDF: 38.3/24

# asym_sam5_correction_rms vs Slug




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

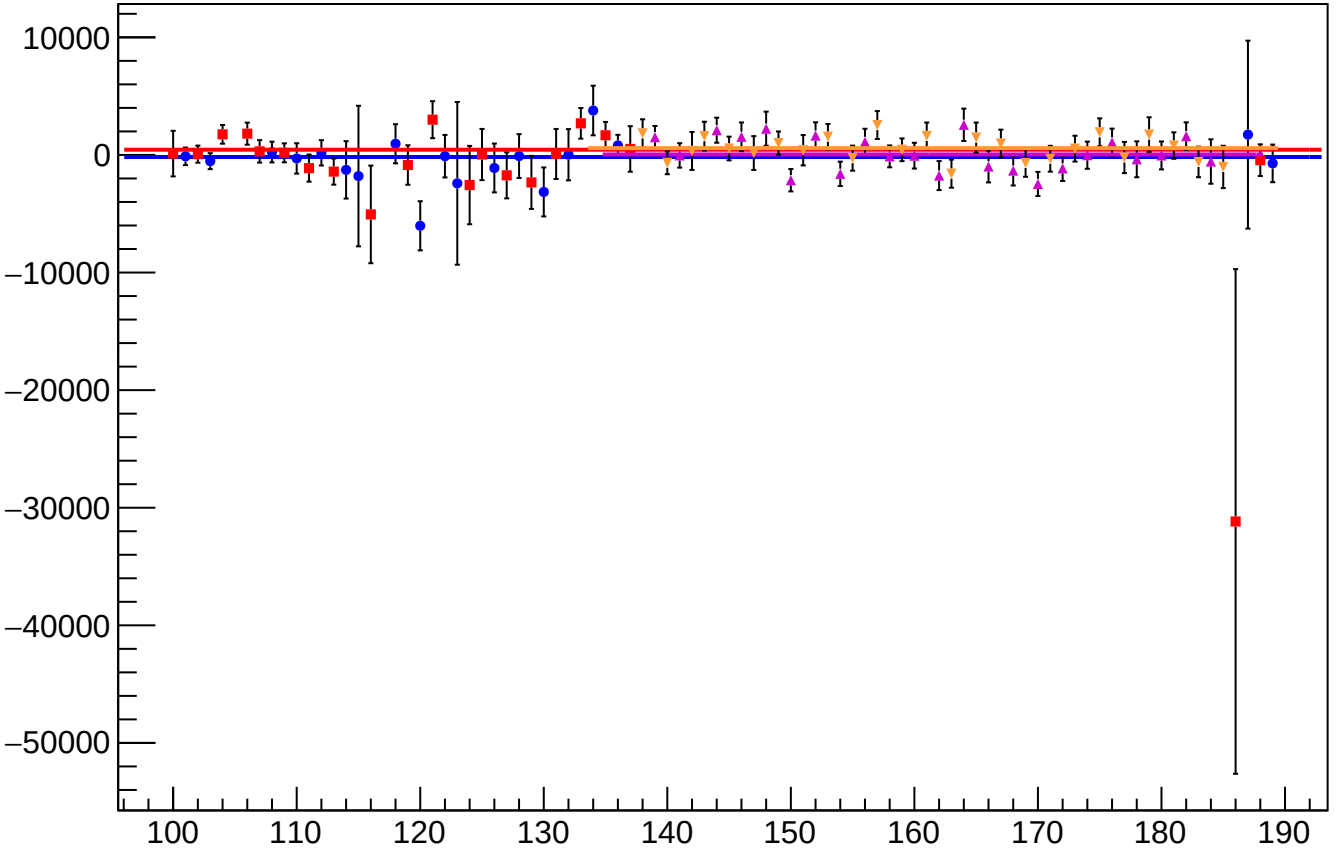
Left In: 1015.000+/-0.172 $\chi^2$/NDF:404865.5/22

+ sign 1022.726+/-0.168 $\chi^2$/NDF: 503585.3/26

All: 1022.992+/-0.119 $\chi^2$/NDF: 1522495.6/51

- sign 1023.263+/-0.170 $\chi^2$/NDF: 1018905.2/24

# asym_sam5_mean vs Slug




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

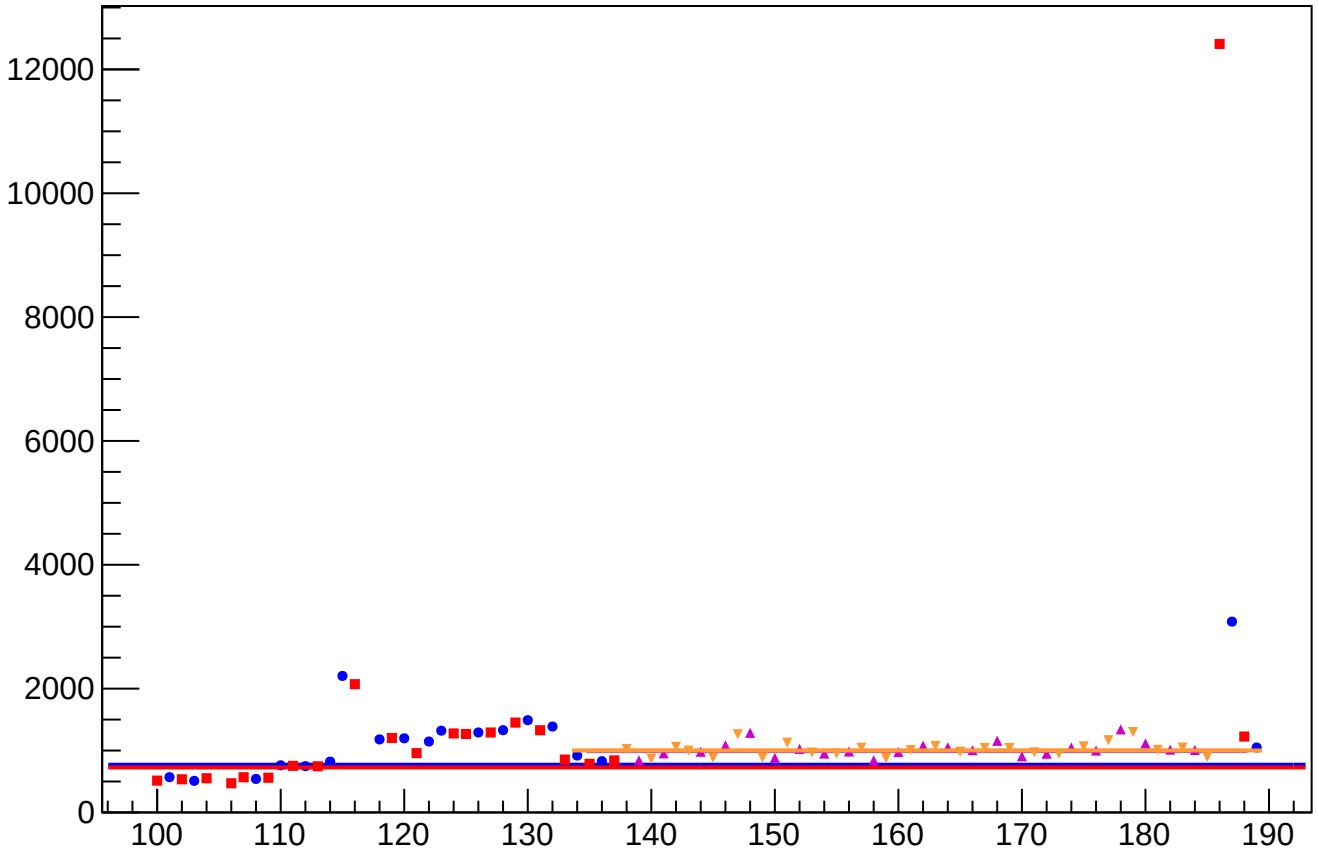
Left In: 42.397+/-239.278 $\chi^2$/NDF:37.9/22

+ sign 299.677+/-186.776 $\chi^2$/NDF: 38.6/43

All: 255.584+/-129.978 $\chi^2$/NDF: 103.1/87

- sign 214.177+/-180.995 $\chi^2$/NDF: 64.3/43

# asym_sam5_rms vs Slug




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

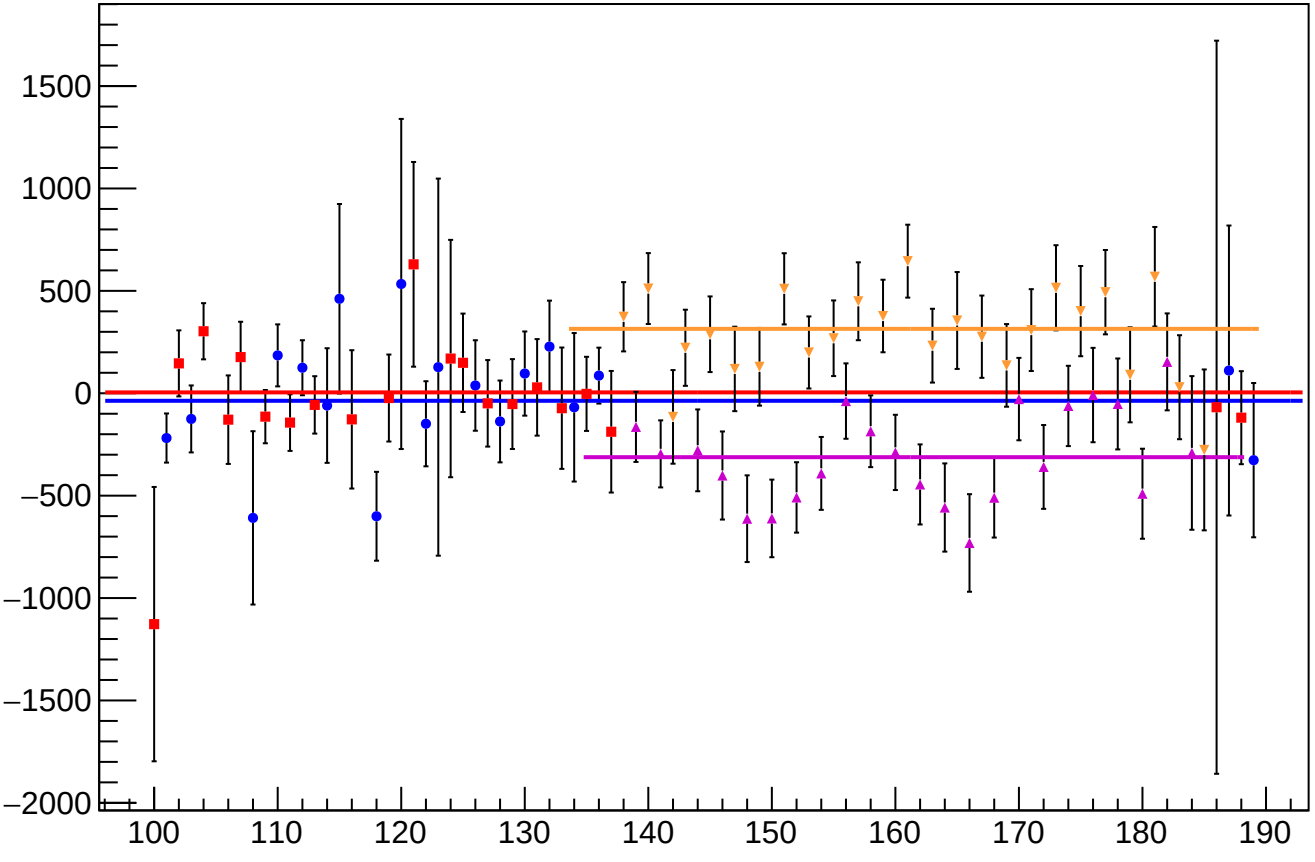
Left In: 995.590+/-0.169 $\chi^2$/NDF:424434.6/22

+ sign 915.765+/-0.132 $\chi^2$/NDF: 3021968.4/43

All: 897.594+/-0.092 $\chi^2$/NDF: 7135424.1/87

- sign 880.529+/-0.128 $\chi^2$/NDF: 4076746.3/43

# dit_asym_sam6_mean vs Slug




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

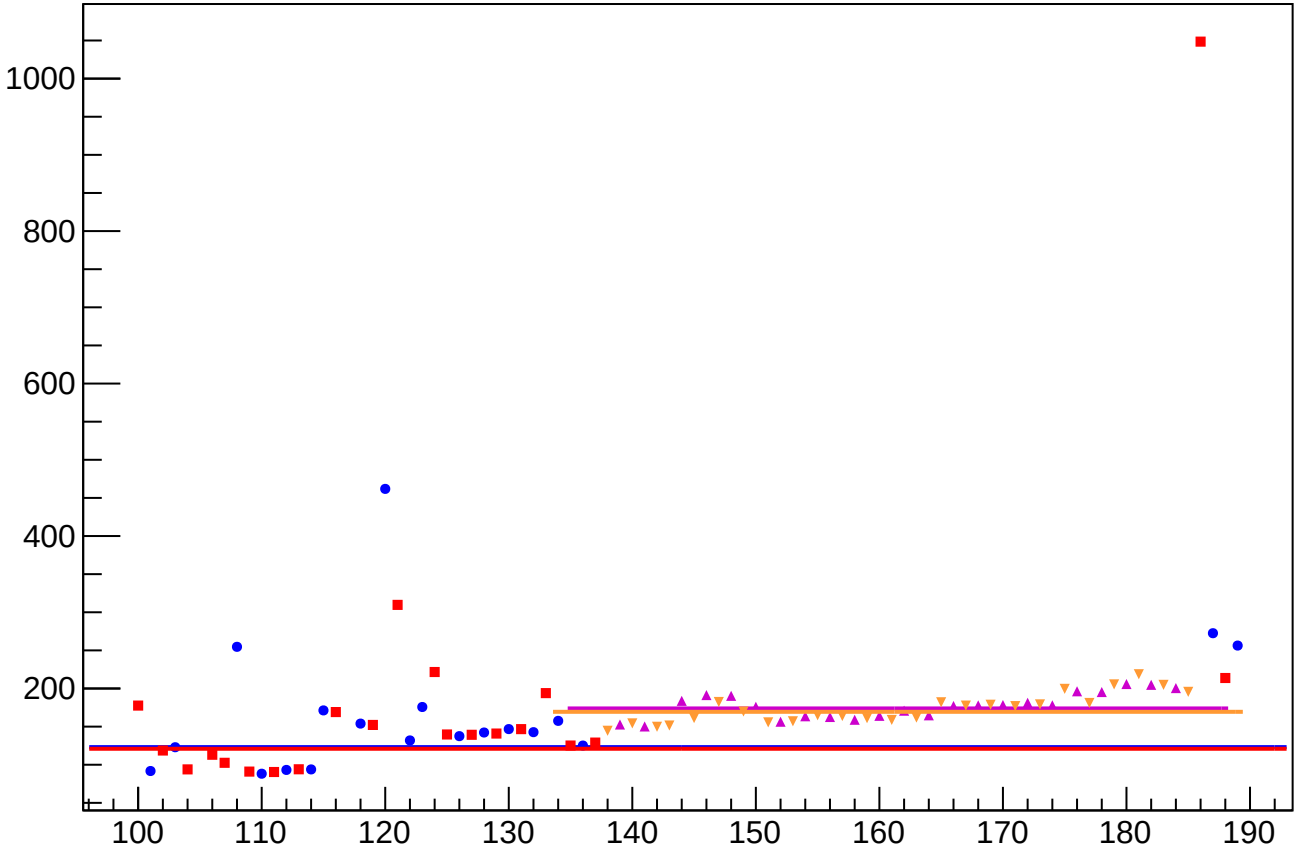
Left In: -312.097+/-41.646 $\chi^2$/NDF:26.9/22

+ sign 171.049+/-30.627 $\chi^2$/NDF: 73.5/43

All: 2.116+/-21.600 $\chi^2$/NDF: 202.8/87

- sign -165.076+/-30.468 $\chi^2$/NDF: 68.7/43

# dit_asym_sam6_rms vs Slug




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

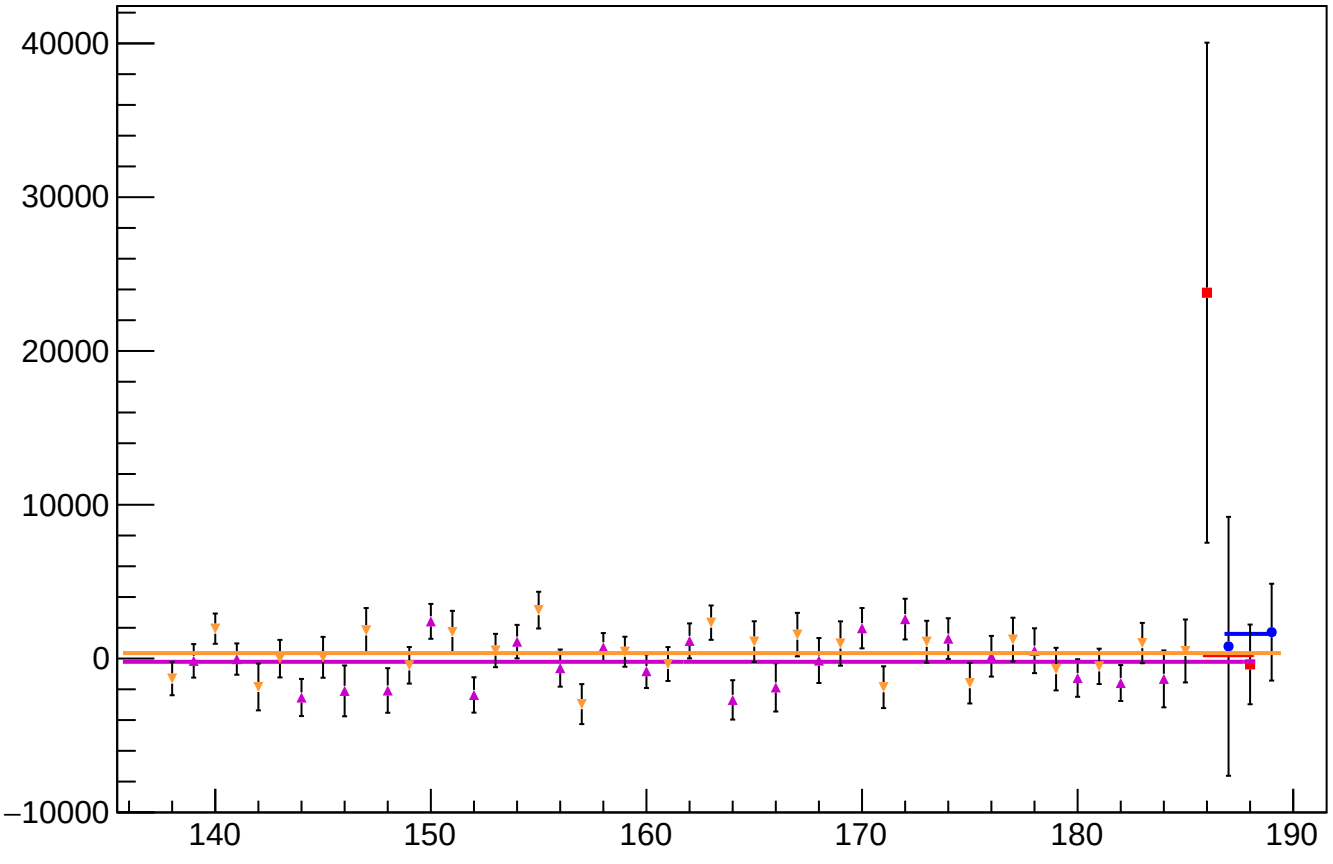
Left In: 173.847+/-0.029 $\chi^2$/NDF:291729.8/22

+ sign 150.514+/-0.022 $\chi^2$/NDF: 2900623.4/43

All: 149.888+/-0.015 $\chi^2$/NDF: 6580118.0/87

- sign 149.269+/-0.022 $\chi^2$/NDF: 3677832.9/43

# asym_sam6_correction_mean vs Slug




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

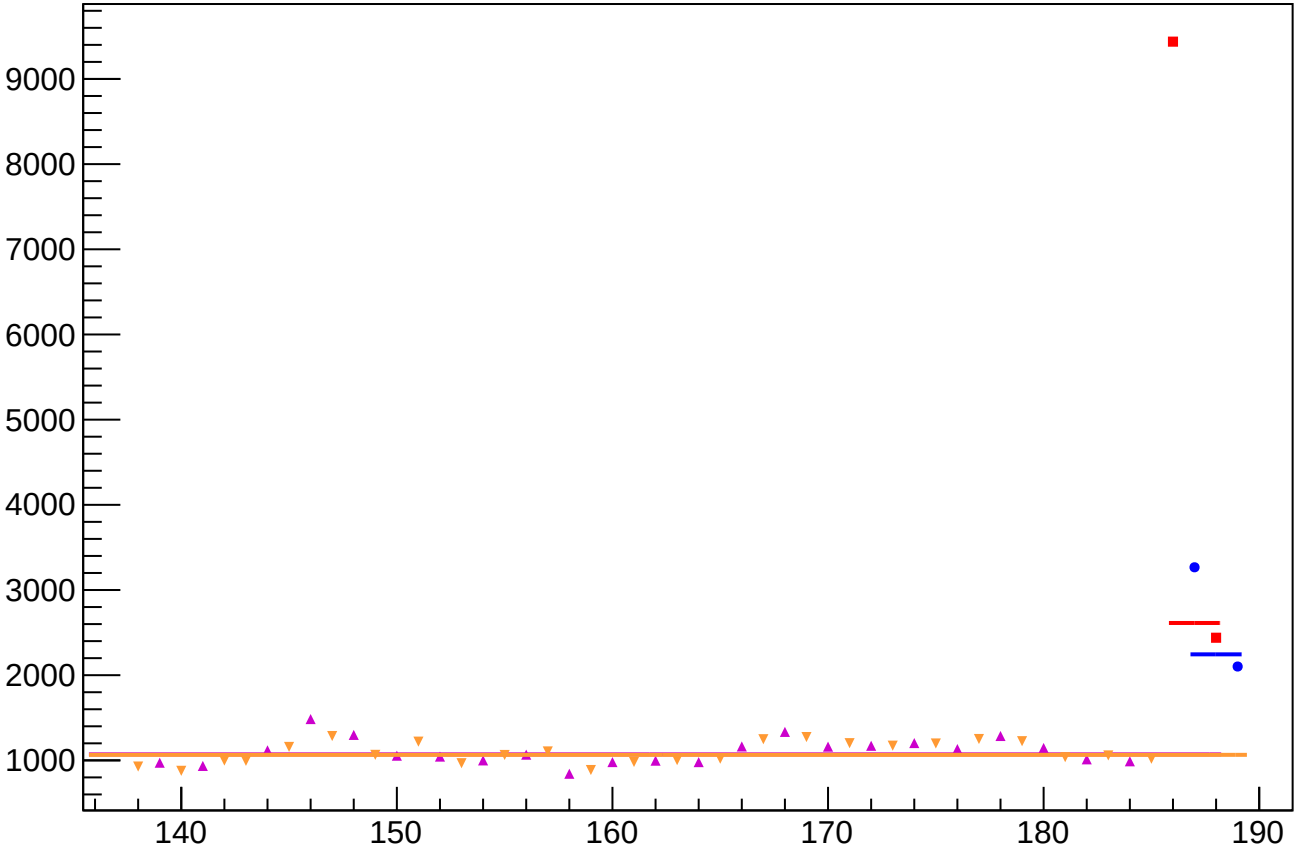
Left In: -212.007+/-257.383 $\chi^2$/NDF:36.0/22

+ sign 365.569+/-250.031 $\chi^2$/NDF: 33.5/26

All: 85.795+/-178.903 $\chi^2$/NDF: 74.3/51

- sign -207.704+/-256.091 $\chi^2$/NDF: 38.2/24

# asym_sam6_correction_rms vs Slug




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

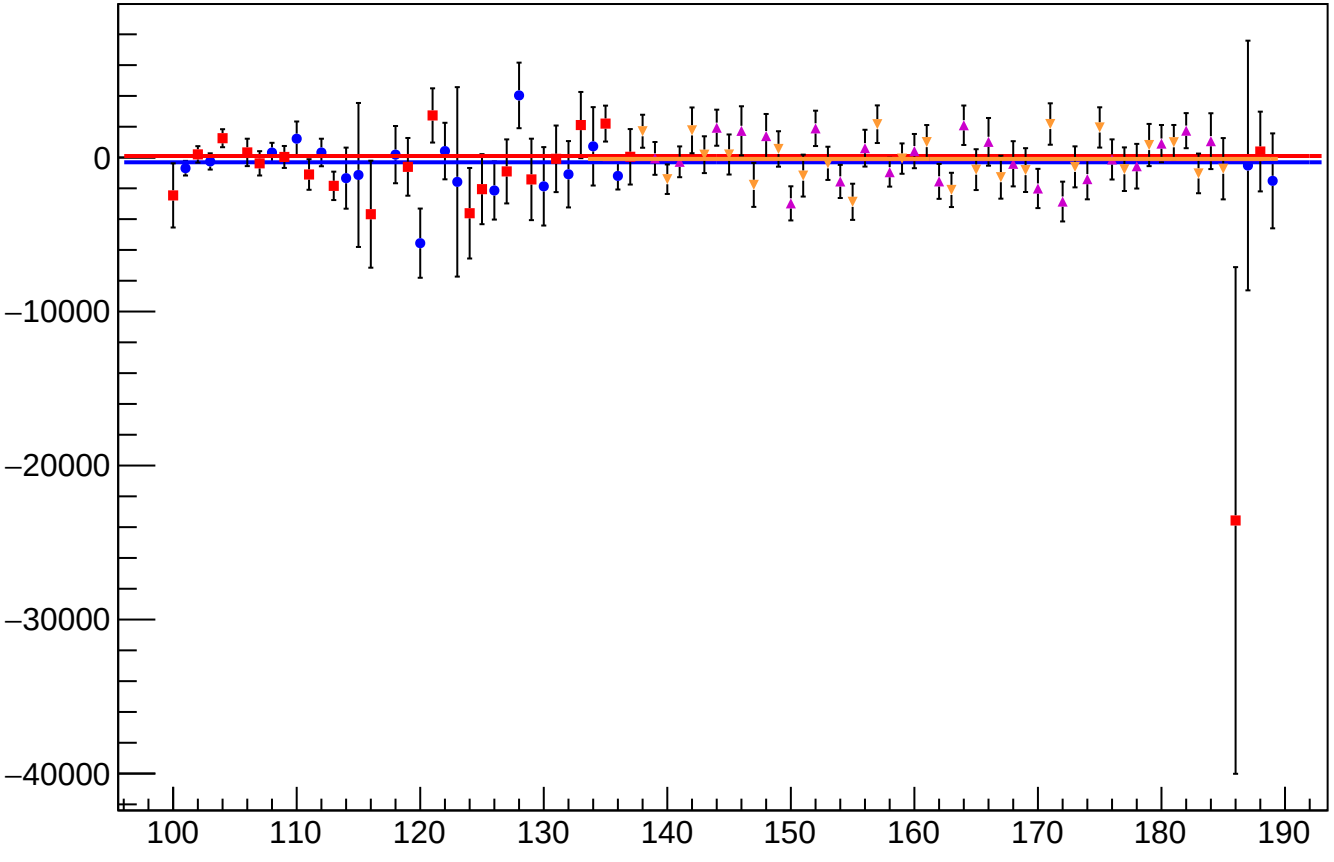
Left In: 1070.694+/-0.182 $\chi^2$/NDF:570407.8/22

+ sign 1073.349+/-0.177 $\chi^2$/NDF: 845035.9/26

All: 1079.595+/-0.127 $\chi^2$/NDF: 2498933.2/51

- sign 1086.148+/-0.181 $\chi^2$/NDF: 1651339.8/24

# asym_sam6_mean vs Slug




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

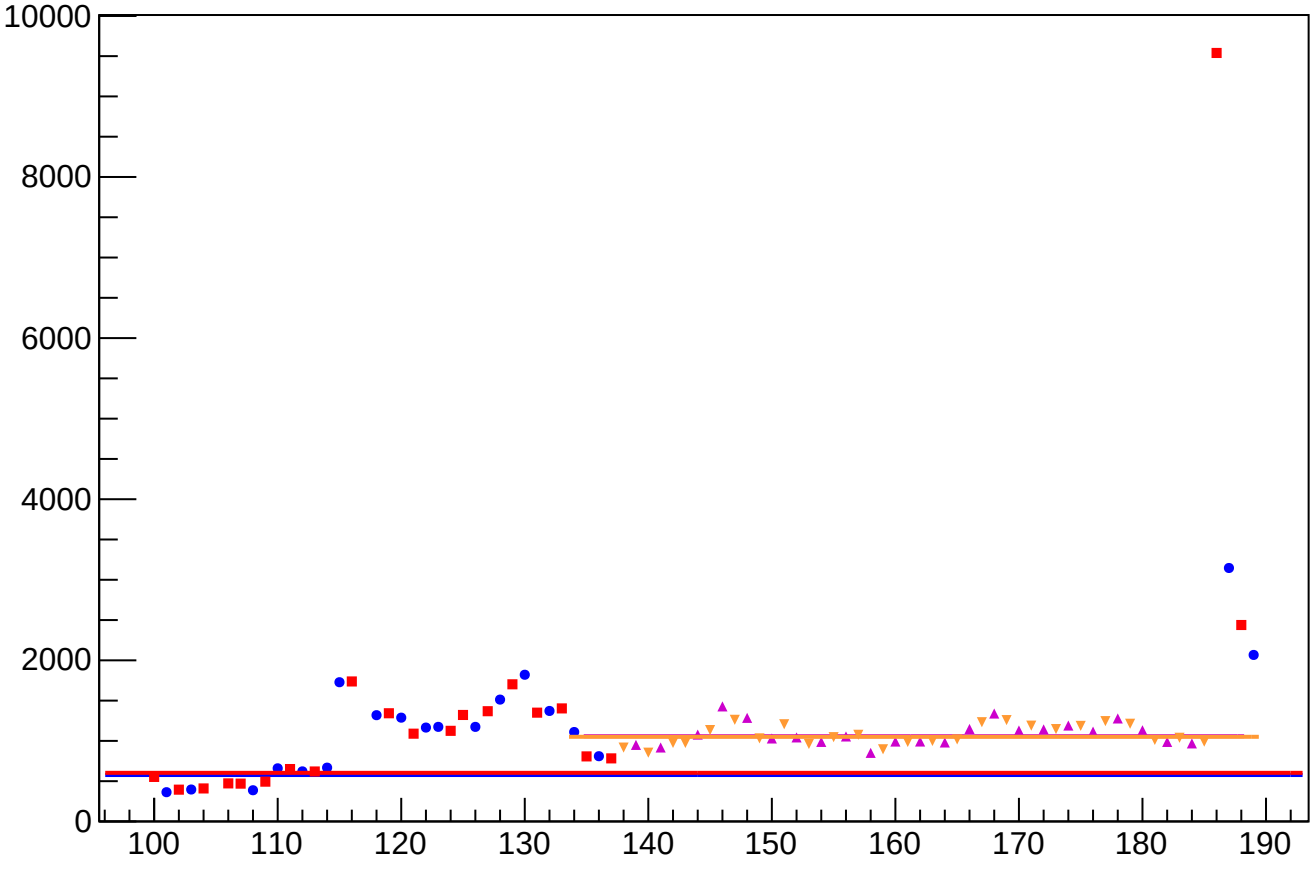
Left In: -110.879+/-254.337 $\chi^2$/NDF:35.2/22

+ sign -198.572+/-175.492 $\chi^2$/NDF: 48.4/43

All: -100.974+/-124.409 $\chi^2$/NDF: 109.1/87

- sign -2.370+/-176.394 $\chi^2$/NDF: 60.1/43

# asym_sam6_rms vs Slug




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

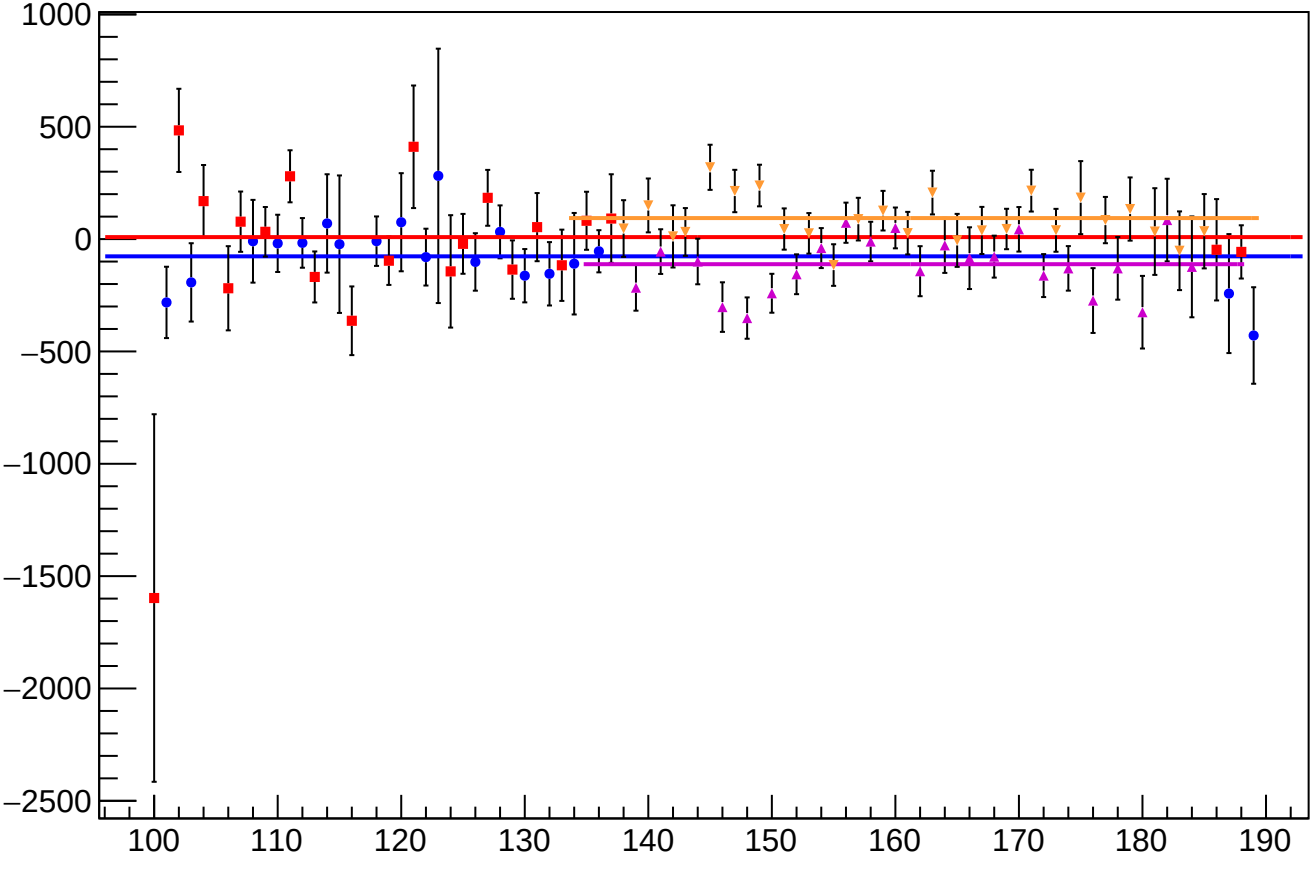
Left In: 1058.154+/-0.180 $\chi^2$/NDF:532260.0/22

+ sign 815.343+/-0.124 $\chi^2$/NDF: 8076252.4/43

All: 818.783+/-0.088 $\chi^2$/NDF: 16352177.6/87

- sign 822.259+/-0.125 $\chi^2$/NDF: 8274380.5/43

# dit_asym_sam7_mean vs Slug




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

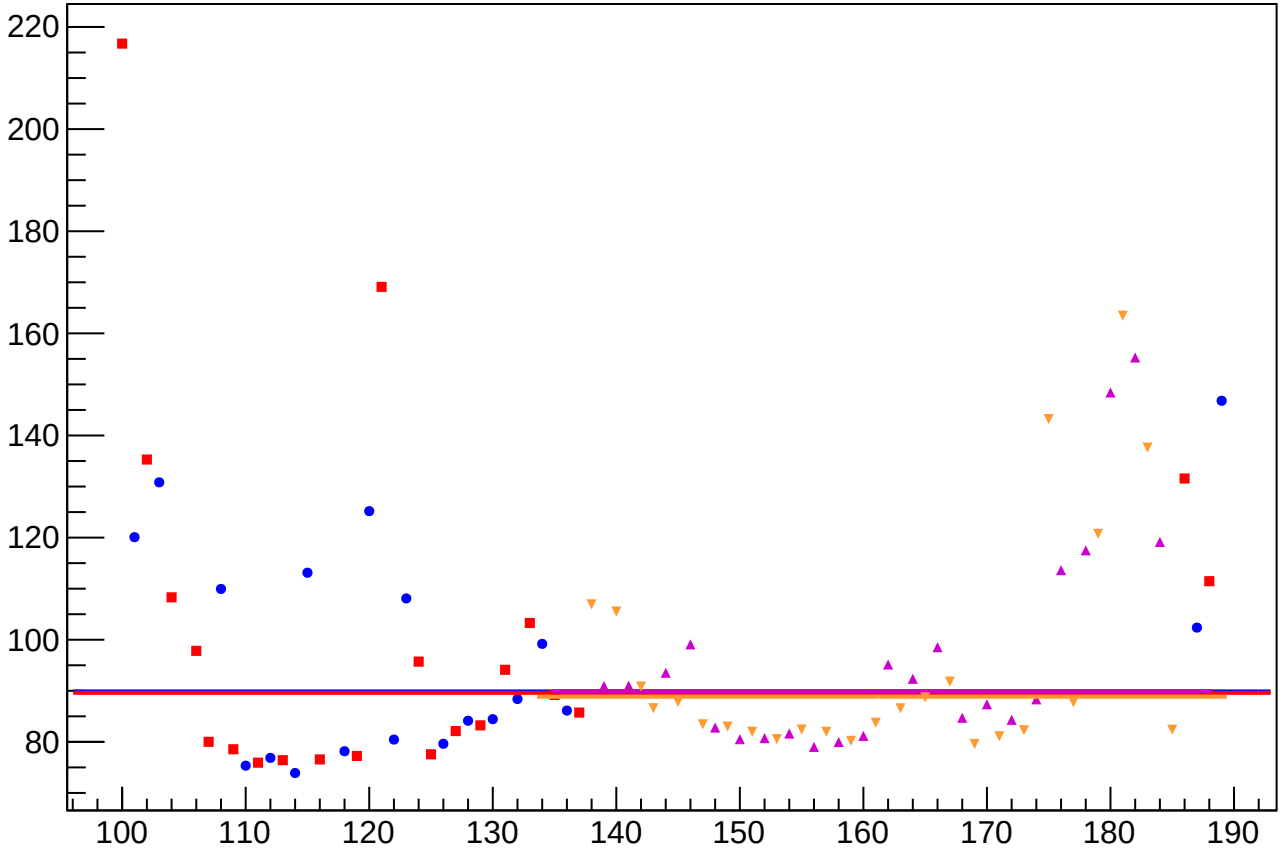
Left In: -111.732+/-21.971 $\chi^2$/NDF:30.7/22

+ sign 45.362+/-18.027 $\chi^2$/NDF: 50.2/43

All: -13.558+/-12.767 $\chi^2$/NDF: 147.5/87

- sign -72.855+/-18.084 $\chi^2$/NDF: 75.8/43

# dit_asym_sam7_rms vs Slug




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

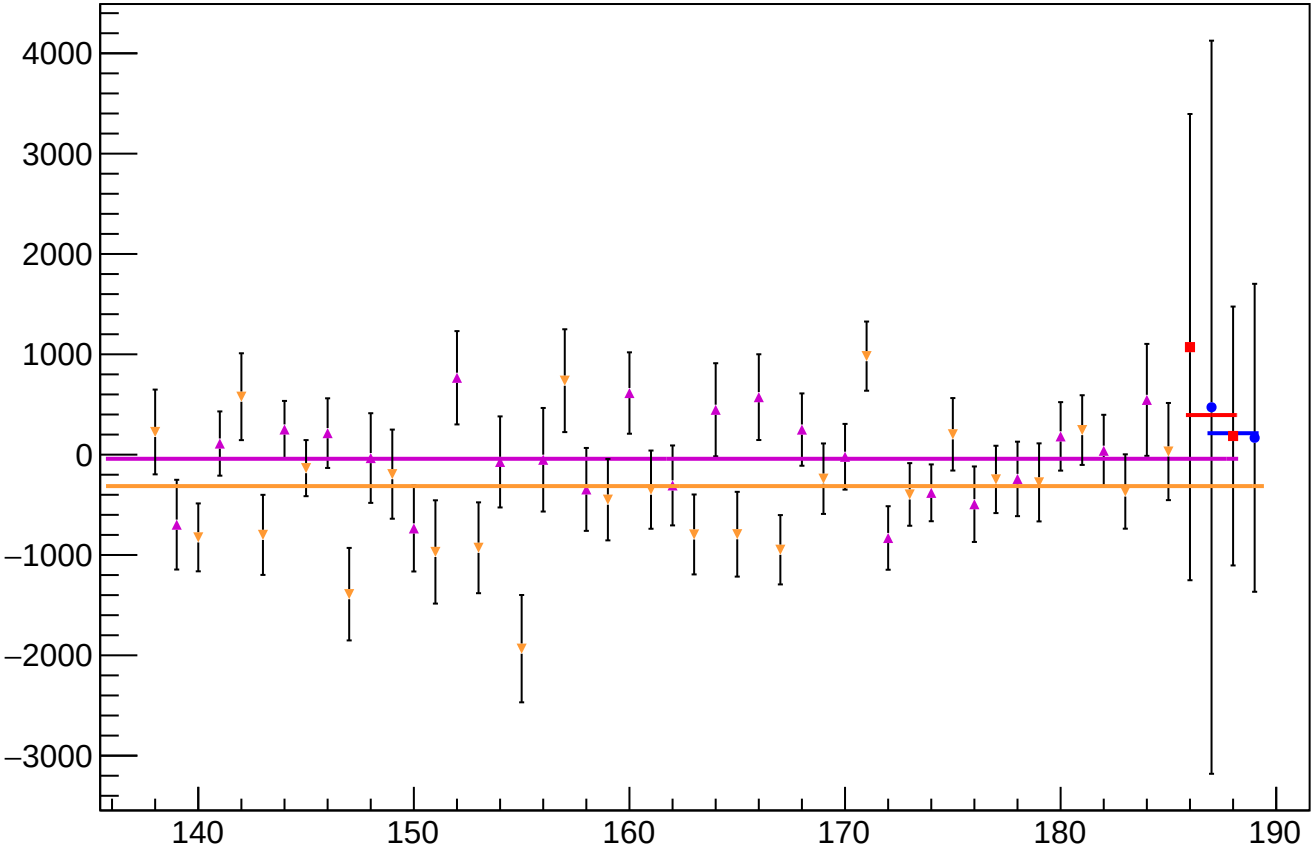
Left In: 89.934+/-0.016 $\chi^2$/NDF:874129.5/22

+ sign 89.126+/-0.013 $\chi^2$/NDF: 1546173.6/43

All: 89.476+/-0.009 $\chi^2$/NDF: 3103353.7/87

- sign 89.827+/-0.013 $\chi^2$/NDF: 1555672.8/43

# asym_sam7_correction_mean vs Slug




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

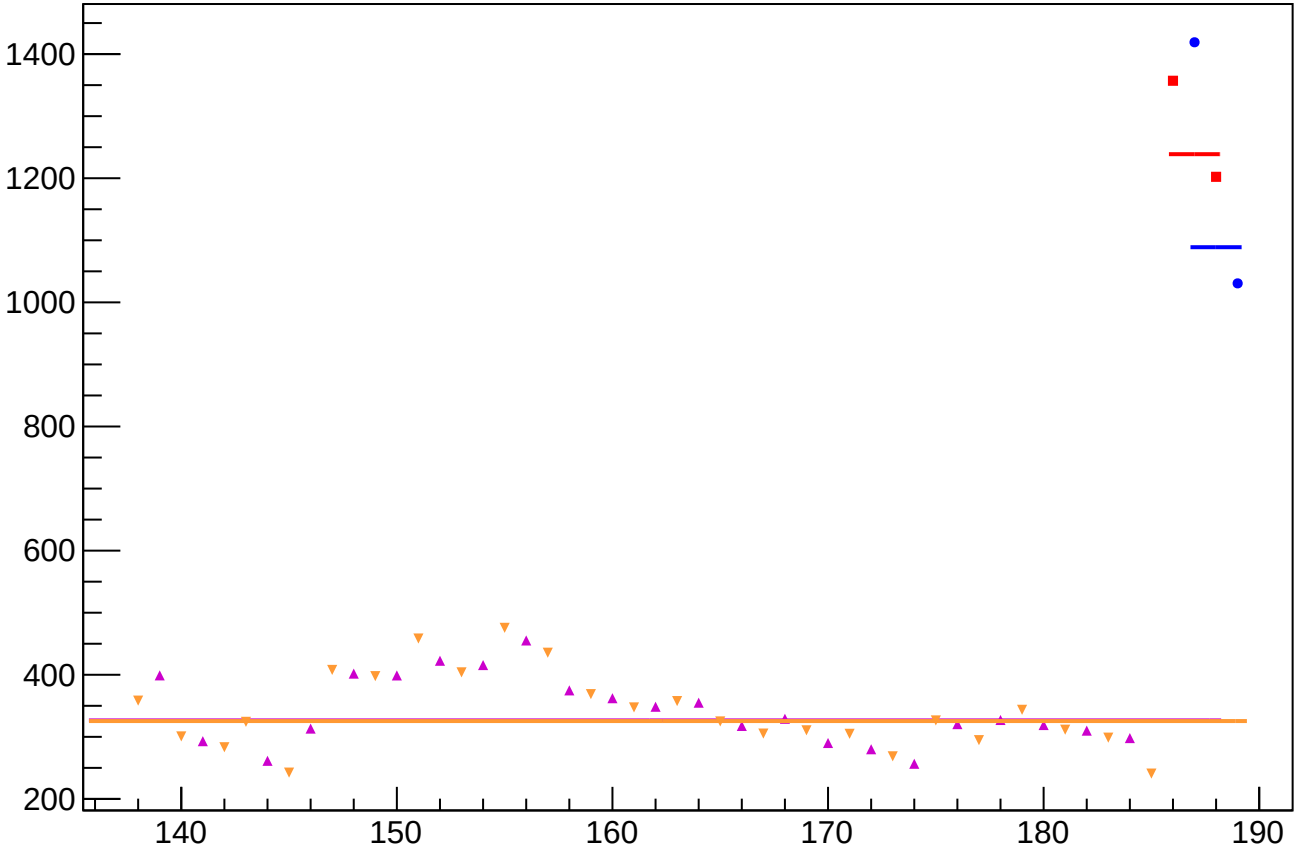
Left In: -41.244+/-78.858 $\chi^2$/NDF:28.0/22

+ sign -311.877+/-77.219 $\chi^2$/NDF: 58.2/26

All: -178.031+/-55.107 $\chi^2$/NDF: 92.6/51

- sign -39.123+/-78.666 $\chi^2$/NDF: 28.3/24

# asym_sam7_correction_rms vs Slug




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

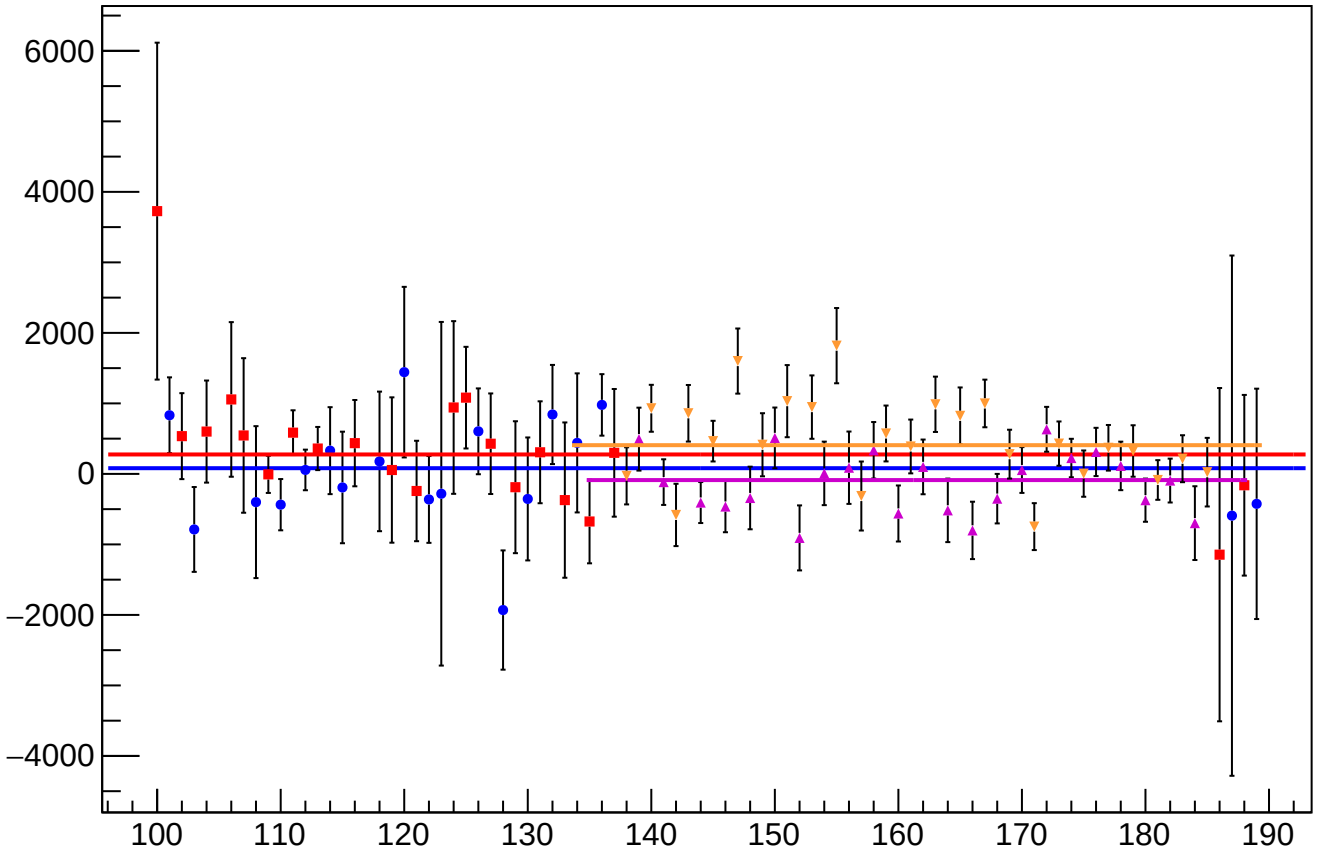
Left In: 326.516+/-0.056 $\chi^2$/NDF:841153.2/22

+ sign 327.706+/-0.055 $\chi^2$/NDF: 1600747.4/26

All: 329.300+/-0.039 $\chi^2$/NDF: 3752432.9/51

- sign 330.954+/-0.056 $\chi^2$/NDF: 2149948.9/24

# asym_sam7_mean vs Slug




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

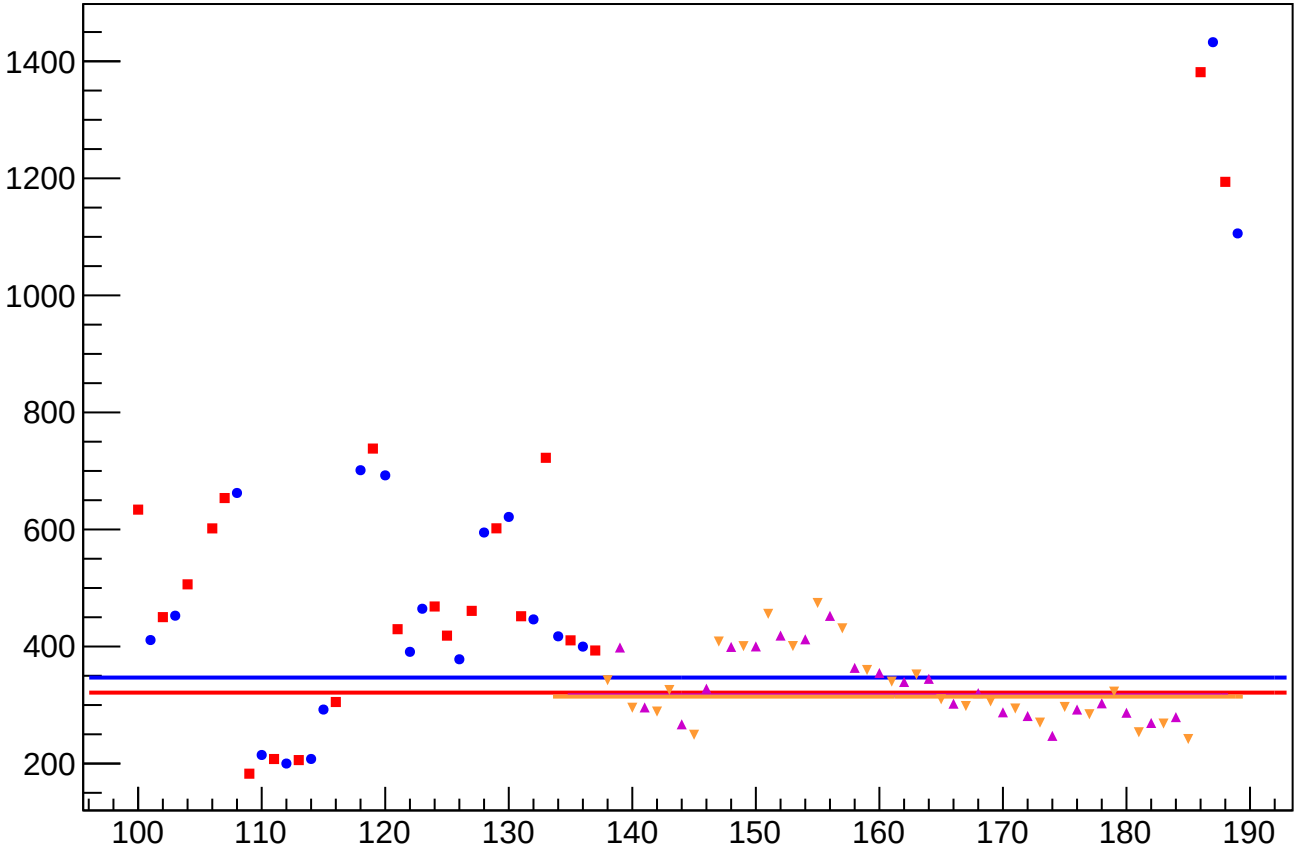
Left In: -87.657+/-76.572 $\chi^2$/NDF:27.4/22

+ sign 336.541+/-66.127 $\chi^2$/NDF: 77.9/43

All: 171.128+/-46.647 $\chi^2$/NDF: 134.7/87

- sign 7.287+/-65.812 $\chi^2$/NDF: 44.4/43

# asym_sam7_rms vs Slug




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

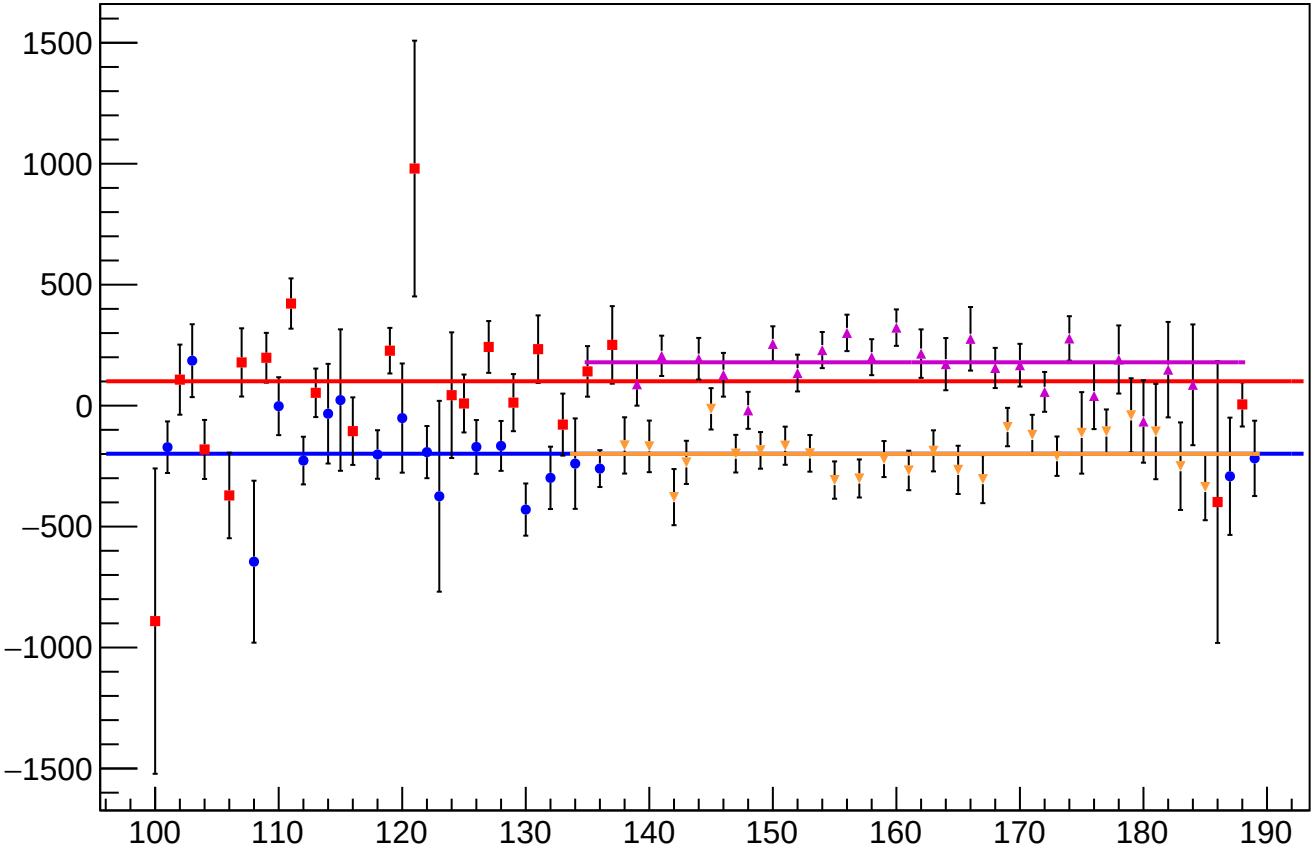
Left In: 316.616+/-0.054 $\chi^2$/NDF:929652.0/22

+ sign 321.469+/-0.047 $\chi^2$/NDF: 3847056.9/43

All: 319.635+/-0.033 $\chi^2$/NDF: 8859916.6/87

- sign 317.820+/-0.047 $\chi^2$/NDF: 5009800.5/43

# dit_asym_sam8_mean vs Slug




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

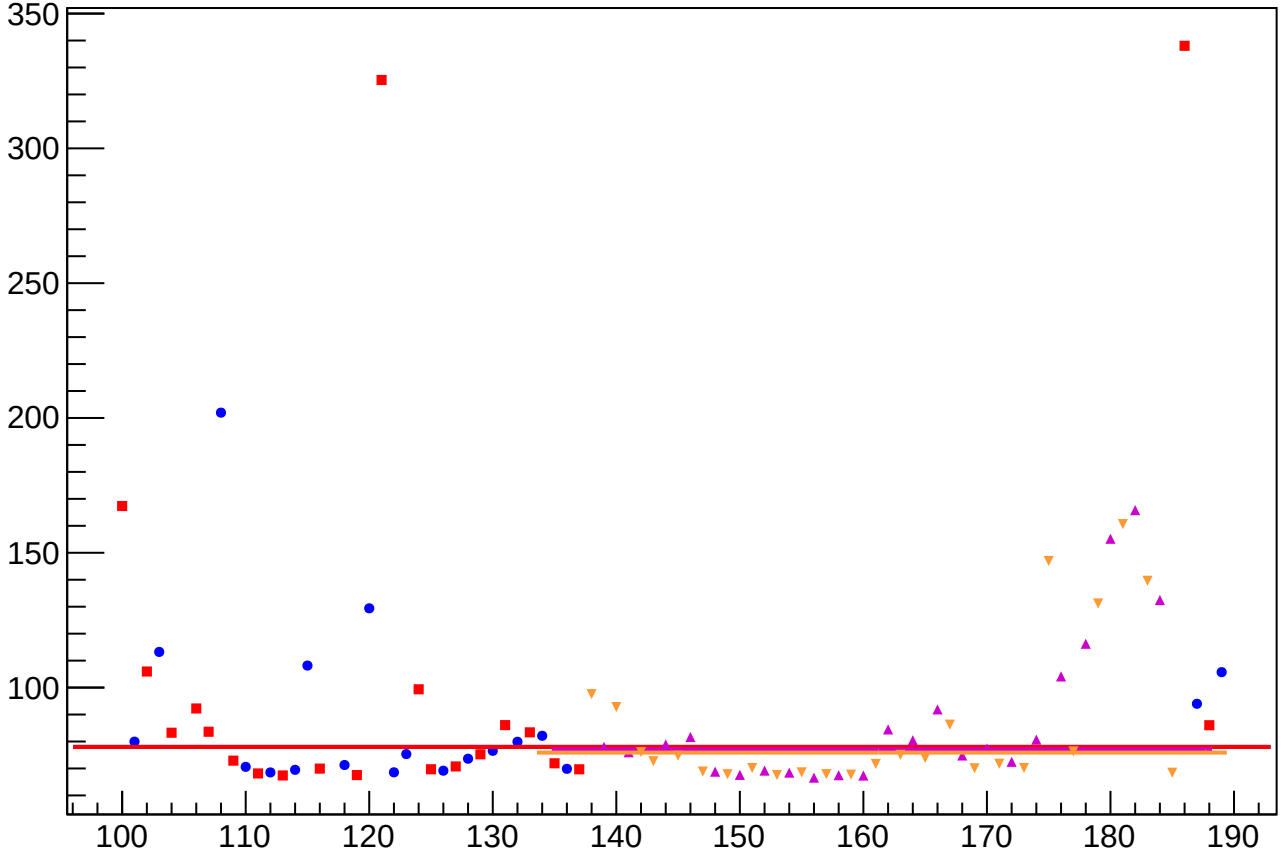
Left In: 179.154+/-19.112 $\chi^2$/NDF:23.9/22

+ sign -199.405+/-15.660 $\chi^2$/NDF: 39.4/43

All: -24.191+/-11.126 $\chi^2$/NDF: 362.6/87

- sign 154.398+/-15.811 $\chi^2$/NDF: 70.5/43

# dit_asym_sam8_rms vs Slug




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

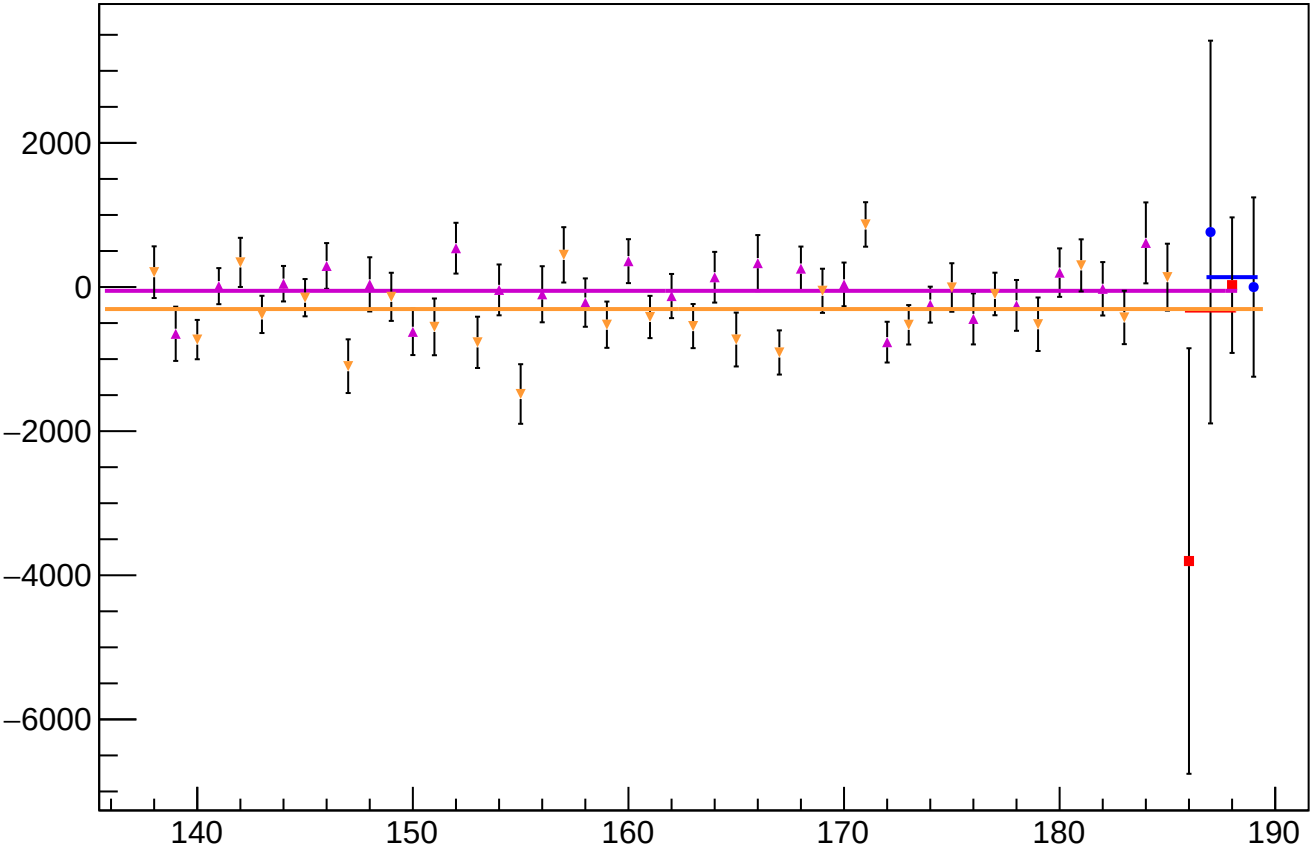
Left In: 77.080+/-0.014 $\chi^2$/NDF:1422981.1/22

+ sign 76.475+/-0.011 $\chi^2$/NDF: 2236027.7/43

All: 76.918+/-0.008 $\chi^2$/NDF: 4782537.5/87

- sign 77.370+/-0.011 $\chi^2$/NDF: 2543280.4/43

# asym_sam8_correction_mean vs Slug




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

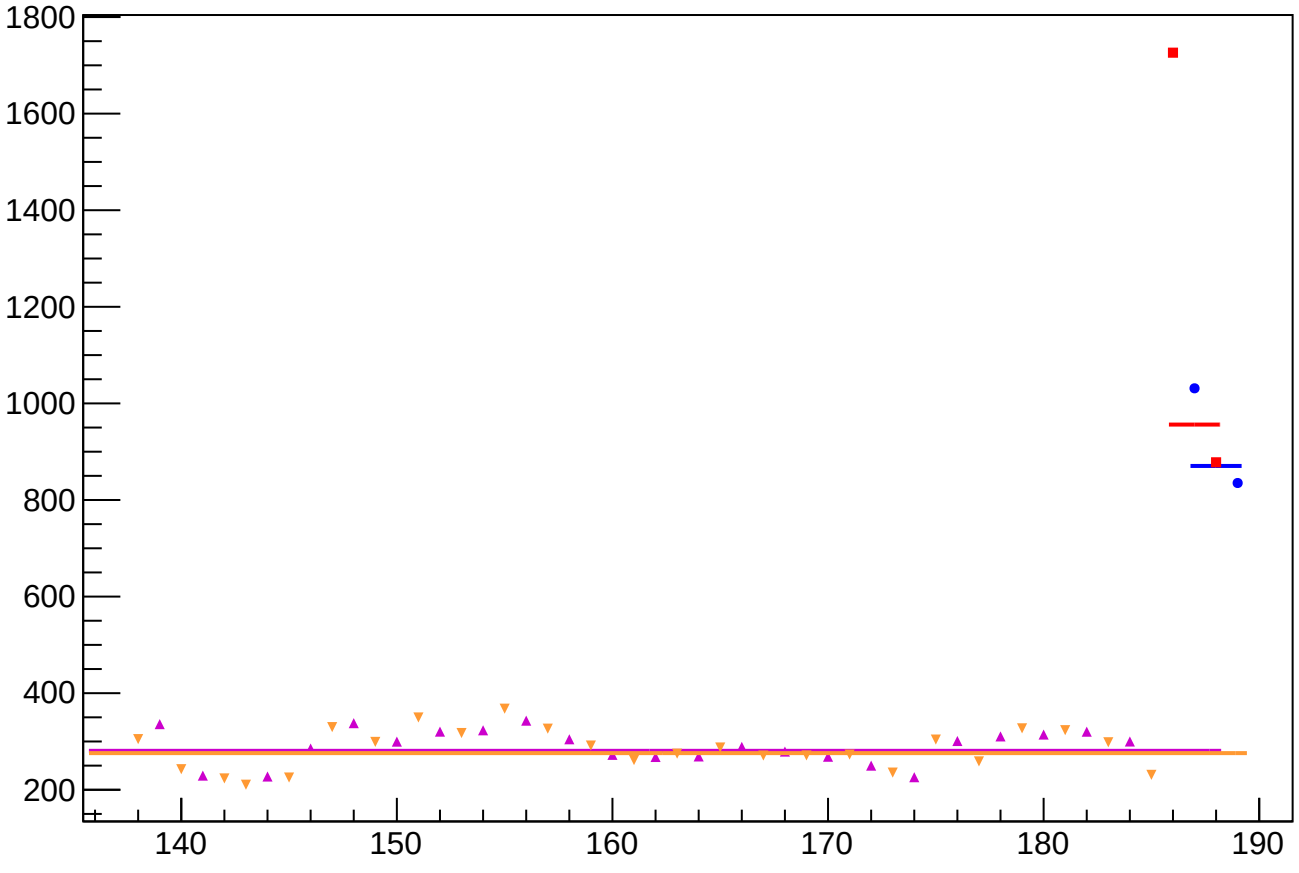
Left In: -52.759+/-67.539 $\chi^2$/NDF:24.9/22

+ sign -304.176+/-65.217 $\chi^2$/NDF: 55.1/26

All: -183.256+/-46.851 $\chi^2$/NDF: 88.7/51

- sign -54.306+/-67.348 $\chi^2$/NDF: 26.5/24

# asym_sam8_correction_rms vs Slug




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

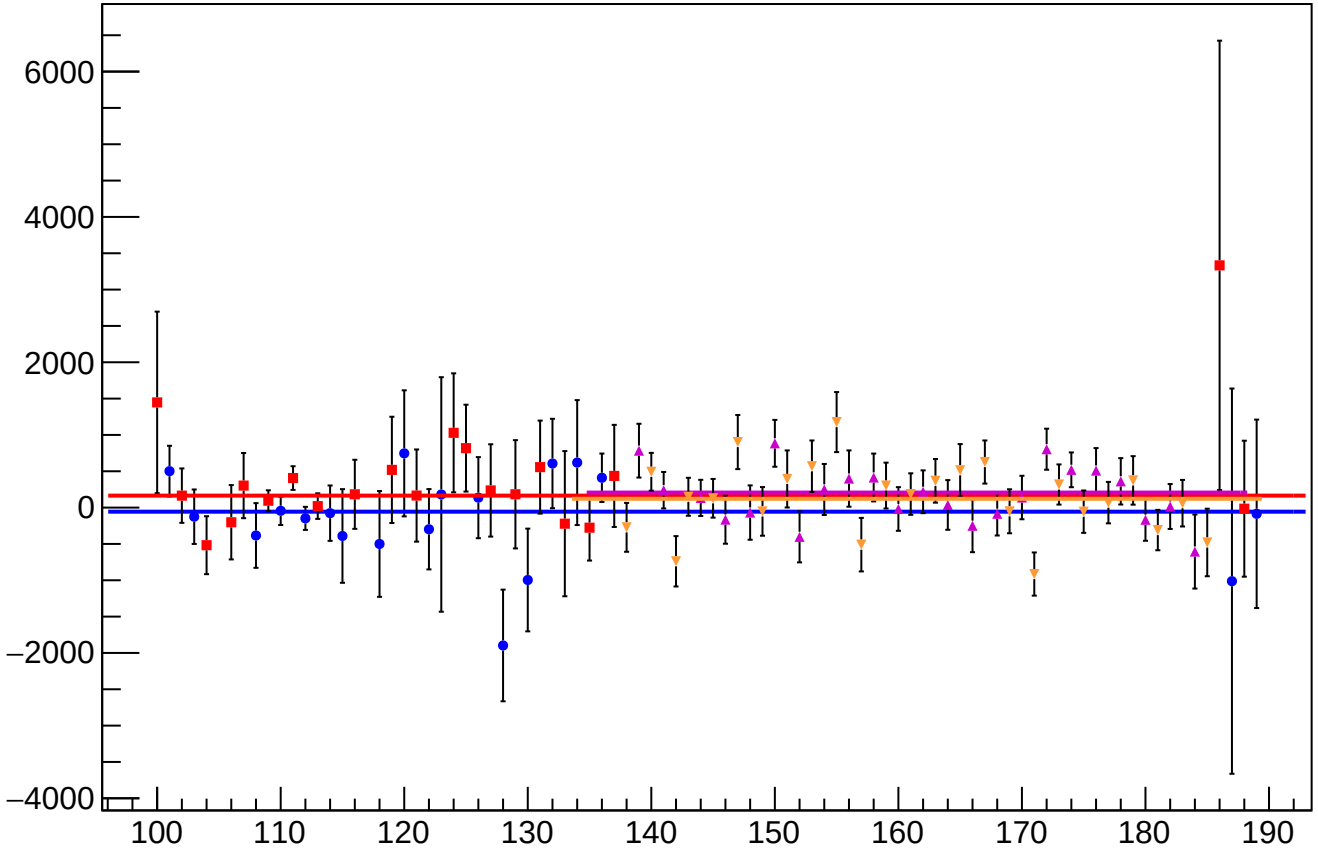
Left In: 280.628+/-0.048 $\chi^2$/NDF:587415.9/22

+ sign 277.893+/-0.046 $\chi^2$/NDF: 1317120.1/26

All: 281.063+/-0.033 $\chi^2$/NDF: 3194179.9/51

- sign 284.444+/-0.048 $\chi^2$/NDF: 1867294.2/24

# asym_sam8_mean vs Slug




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

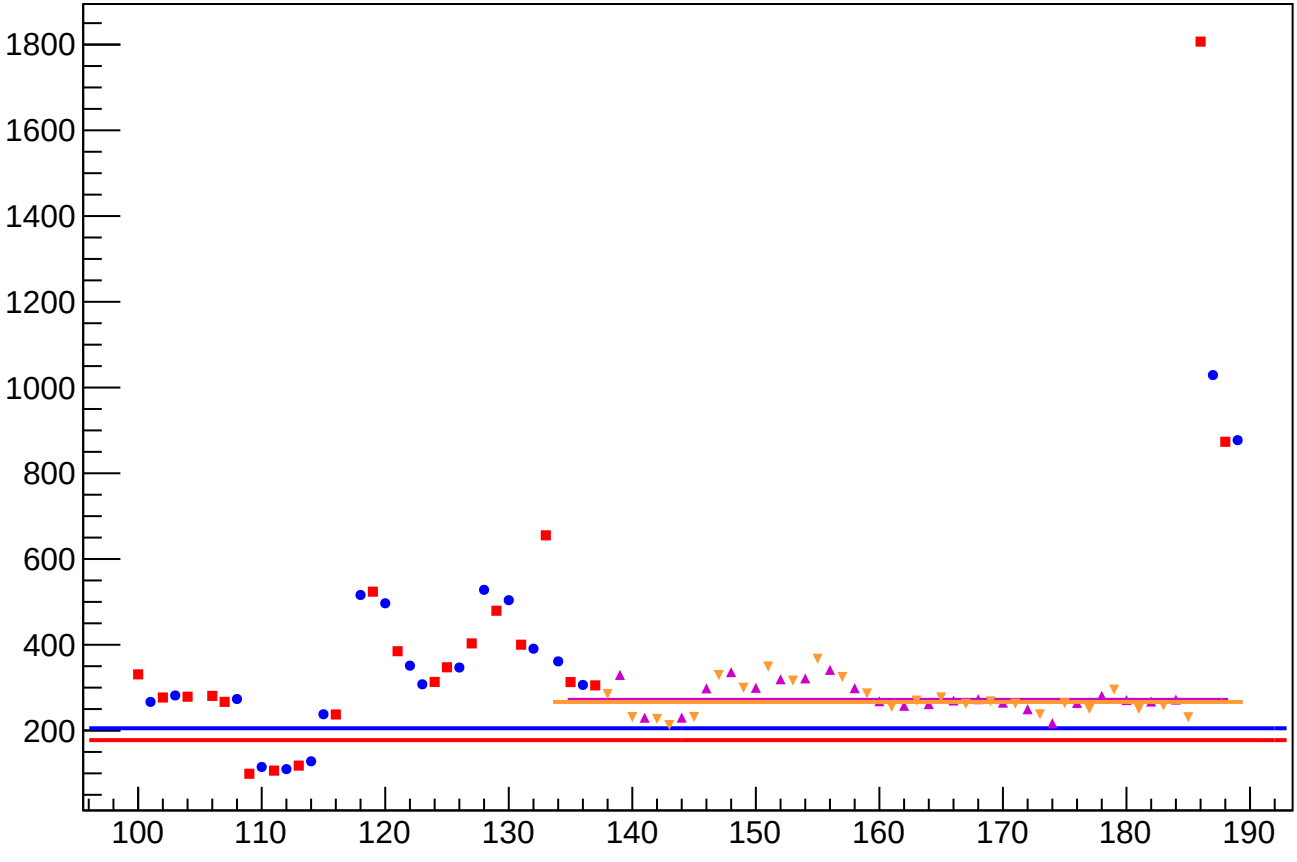
Left In: 207.047+/-65.246 $\chi^2$/NDF:27.8/22

+ sign 63.039+/-51.578 $\chi^2$/NDF: 68.3/43

All: 128.554+/-35.780 $\chi^2$/NDF: 112.3/87

- sign 189.325+/-49.676 $\chi^2$/NDF: 40.9/43

# asym_sam8_rms vs Slug




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

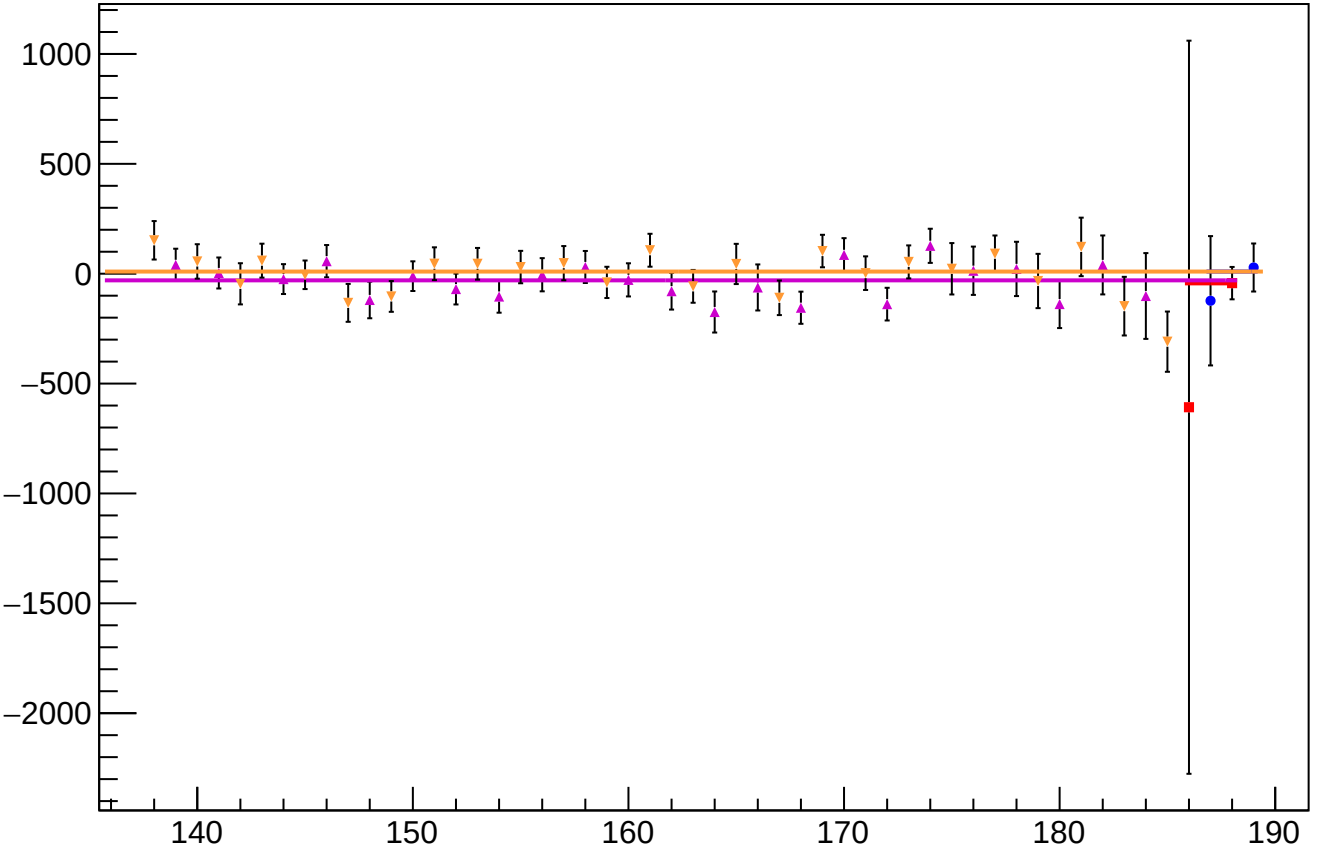
Left In: 271.451+/-0.046 $\chi^2$/NDF:530897.8/22

+ sign 246.481+/-0.036 $\chi^2$/NDF: 5435466.5/43

All: 238.949+/-0.025 $\chi^2$/NDF: 13557591.7/87

- sign 231.962+/-0.035 $\chi^2$/NDF: 8039911.1/43

# dit_asym_sam_15_avg_mean vs Slug




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

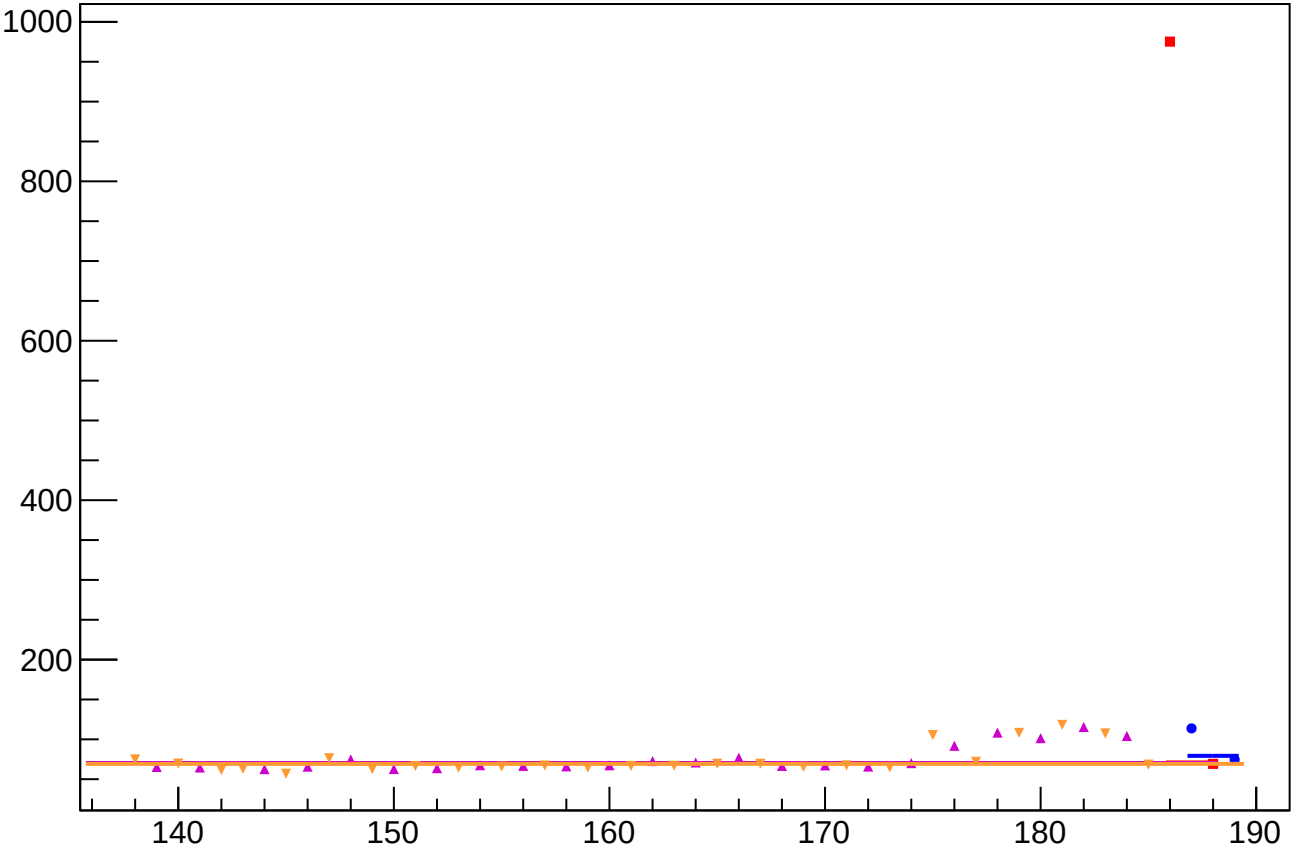
Left In: -30.236+/-17.031 $\chi^2$/NDF:21.9/22

+ sign 9.765+/-16.255 $\chi^2$/NDF: 26.2/26

All: -10.166+/-11.611 $\chi^2$/NDF: 51.3/51

- sign -30.934+/-16.592 $\chi^2$/NDF: 22.0/24

# dit_asym_sam_15_avg_rms vs Slug




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

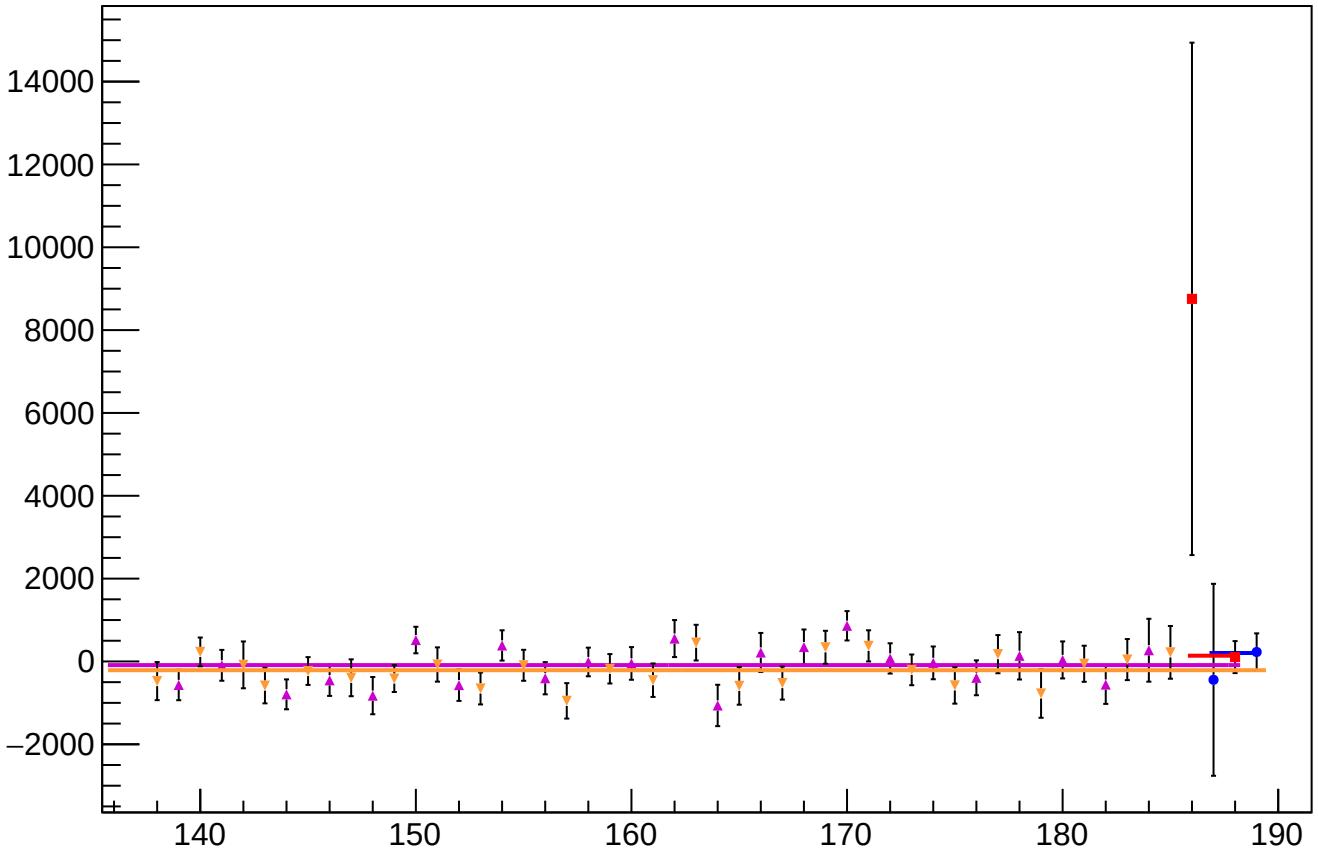
Left In: 70.322+/-0.012 $\chi^2$/NDF:862105.7/22

+ sign 69.488+/-0.011 $\chi^2$/NDF: 1056001.9/26

All: 69.913+/-0.008 $\chi^2$/NDF: 2509902.7/51

- sign 70.357+/-0.012 $\chi^2$/NDF: 1451100.8/24

# asym_sam_15_avg_correction_mean vs Slug




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

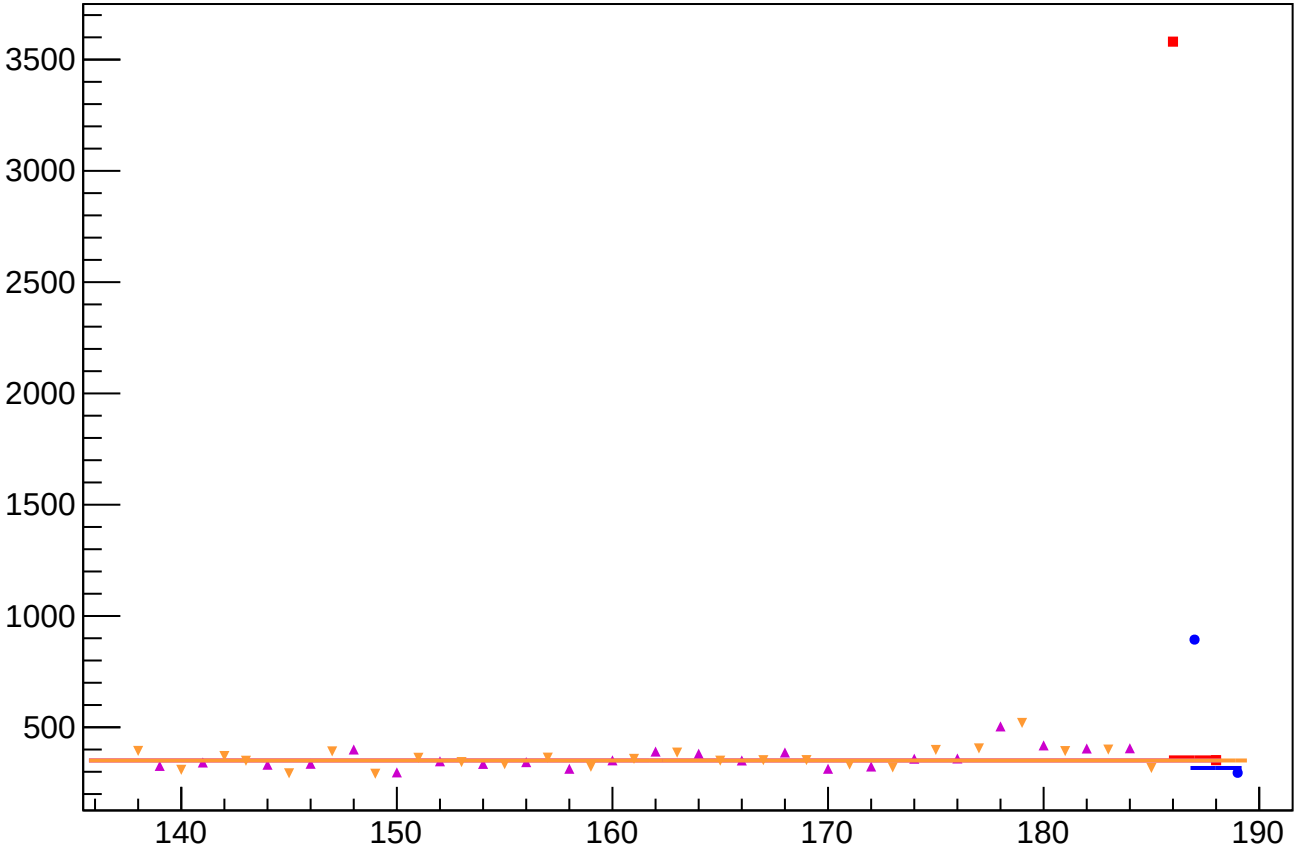
Left In: -88.062+/-84.309 $\chi^2$/NDF:33.5/22

+ sign -197.431+/-81.363 $\chi^2$/NDF: 20.3/26

All: -138.302+/-57.883 $\chi^2$/NDF: 57.1/51

- sign -77.710+/-82.364 $\chi^2$/NDF: 35.7/24

# asym_sam_15_avg_correction_rms vs Slug




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

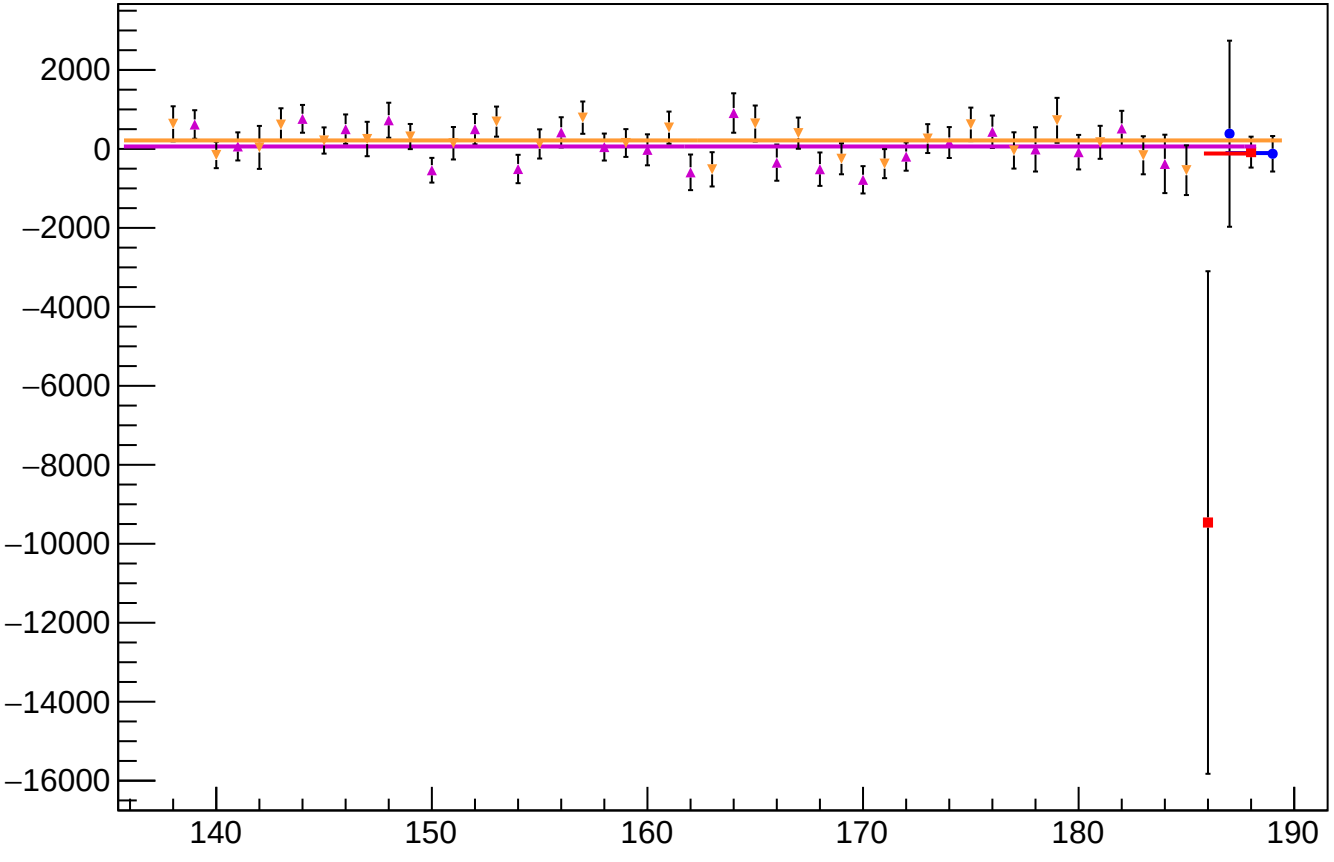
Left In: 350.944+/-0.060 $\chi^2$/NDF:424876.4/22

+ sign 349.637+/-0.058 $\chi^2$/NDF: 646086.4/26

All: 350.593+/-0.041 $\chi^2$/NDF: 1616626.5/51

- sign 351.573+/-0.058 $\chi^2$/NDF: 969981.2/24

# asym_sam_15_avg_mean vs Slug




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

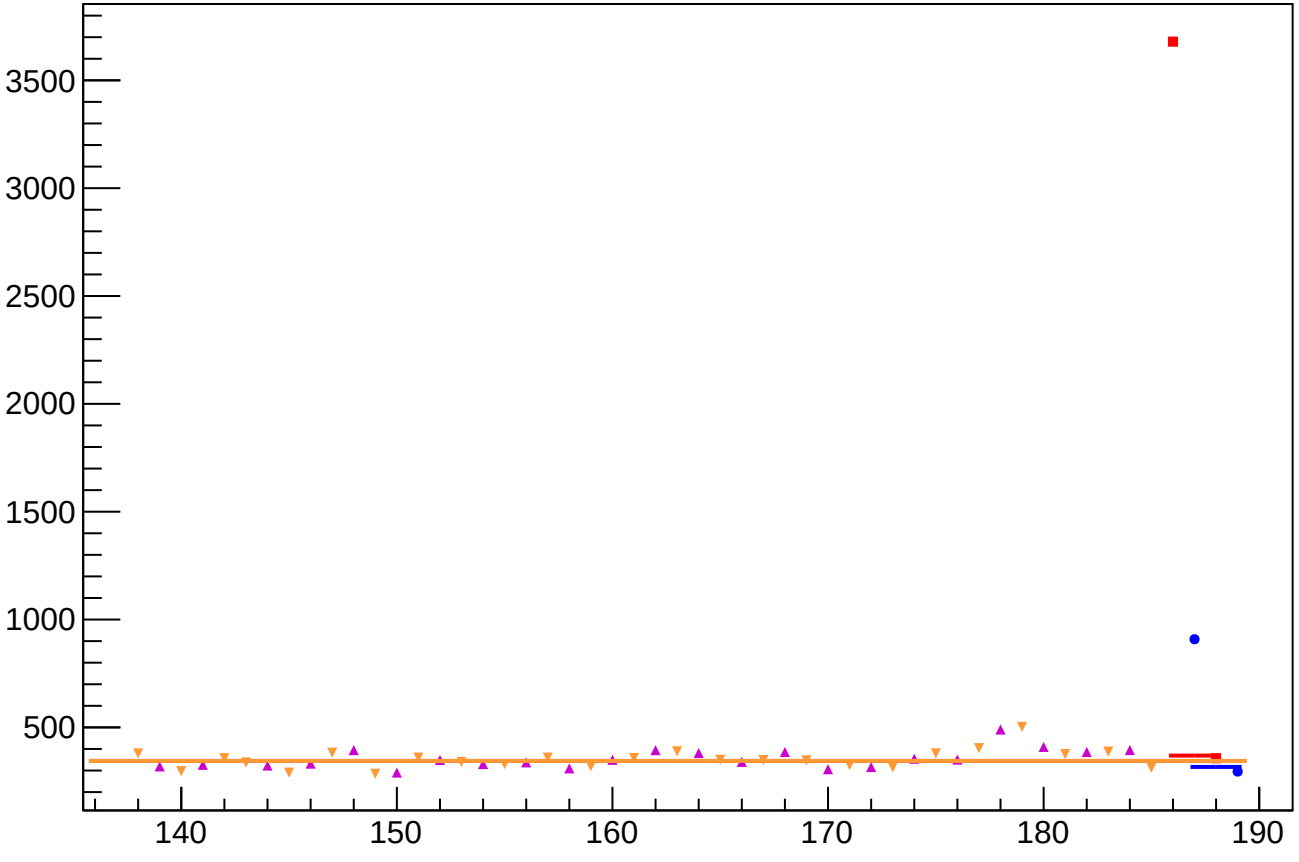
Left In: 61.730+/-82.841 $\chi^2$/NDF:34.9/22

+ sign 204.729+/-79.895 $\chi^2$/NDF: 20.1/26

All: 130.470+/-56.895 $\chi^2$/NDF: 59.2/51

- sign 54.065+/-81.040 $\chi^2$/NDF: 37.3/24

# asym_sam_15_avg_rms vs Slug




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

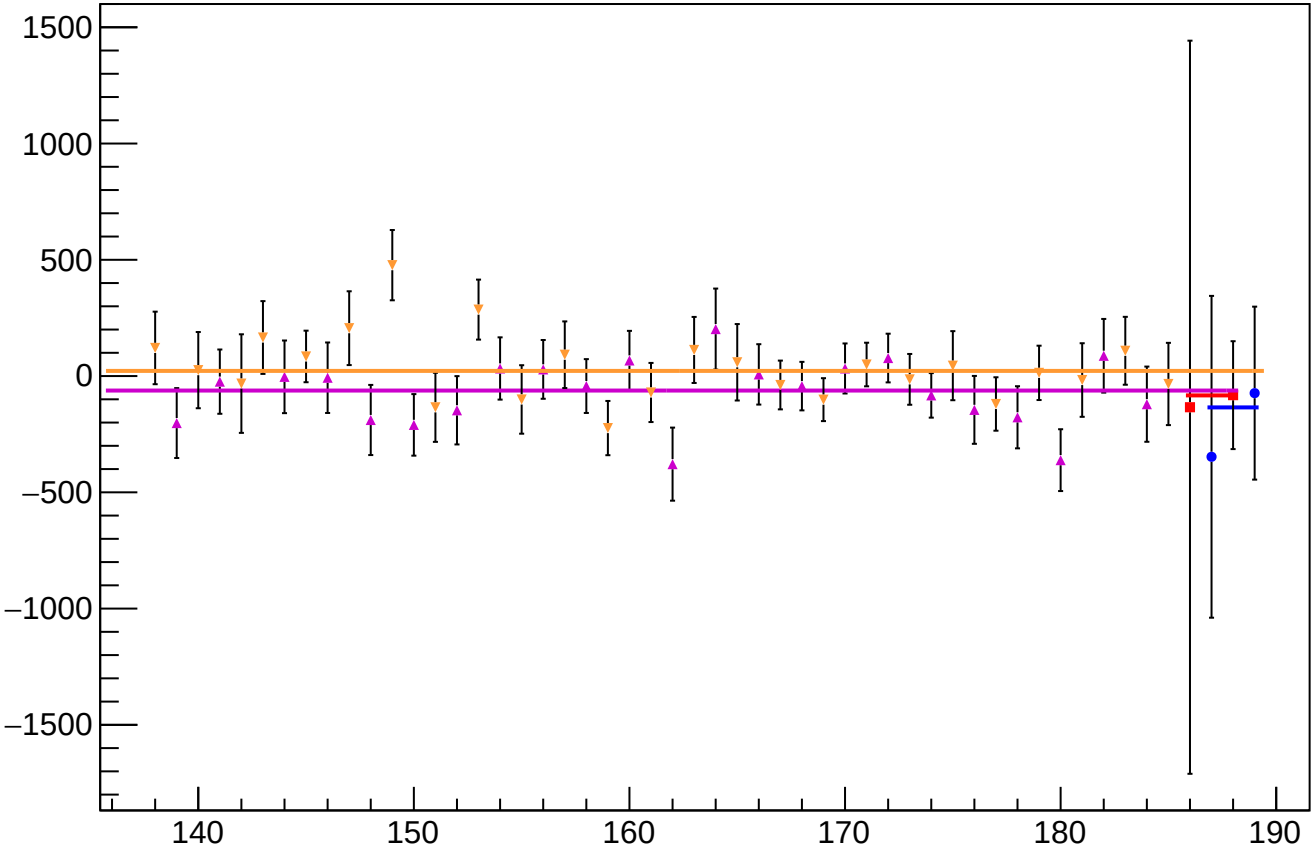
Left In: 344.475+/-0.059 $\chi^2$/NDF:433401.7/22

+ sign 343.532+/-0.056 $\chi^2$/NDF: 626848.8/26

All: 344.523+/-0.040 $\chi^2$/NDF: 1611733.3/51

- sign 345.544+/-0.057 $\chi^2$/NDF: 984259.4/24

# dit_asym_sam_26_avg_mean vs Slug




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

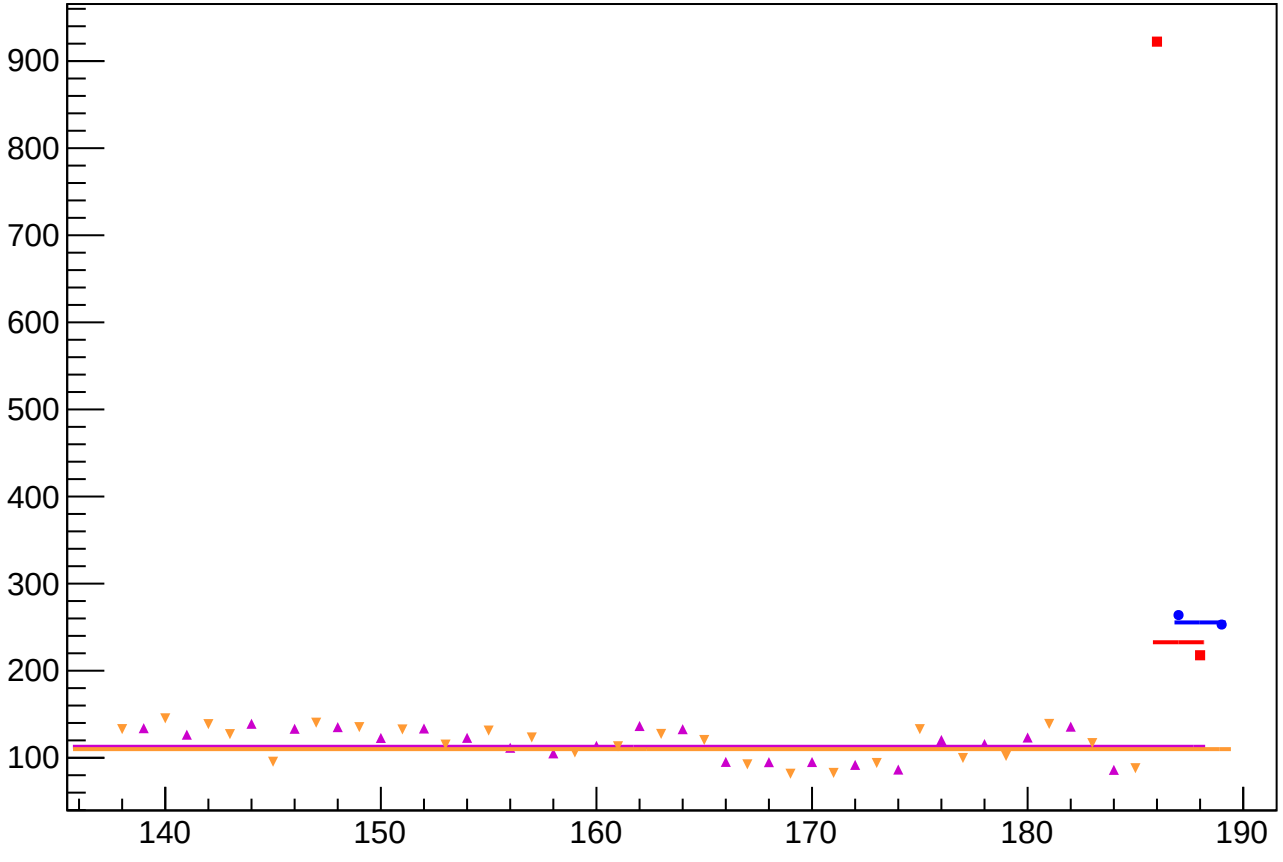
Left In: -62.310+/-27.398 $\chi^2$/NDF:22.0/22

+ sign 21.160+/-26.200 $\chi^2$/NDF: 28.4/26

All: -19.146+/-18.872 $\chi^2$/NDF: 55.4/51

- sign -62.604+/-27.205 $\chi^2$/NDF: 22.0/24

# dit_asym_sam_26_avg_rms vs Slug




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

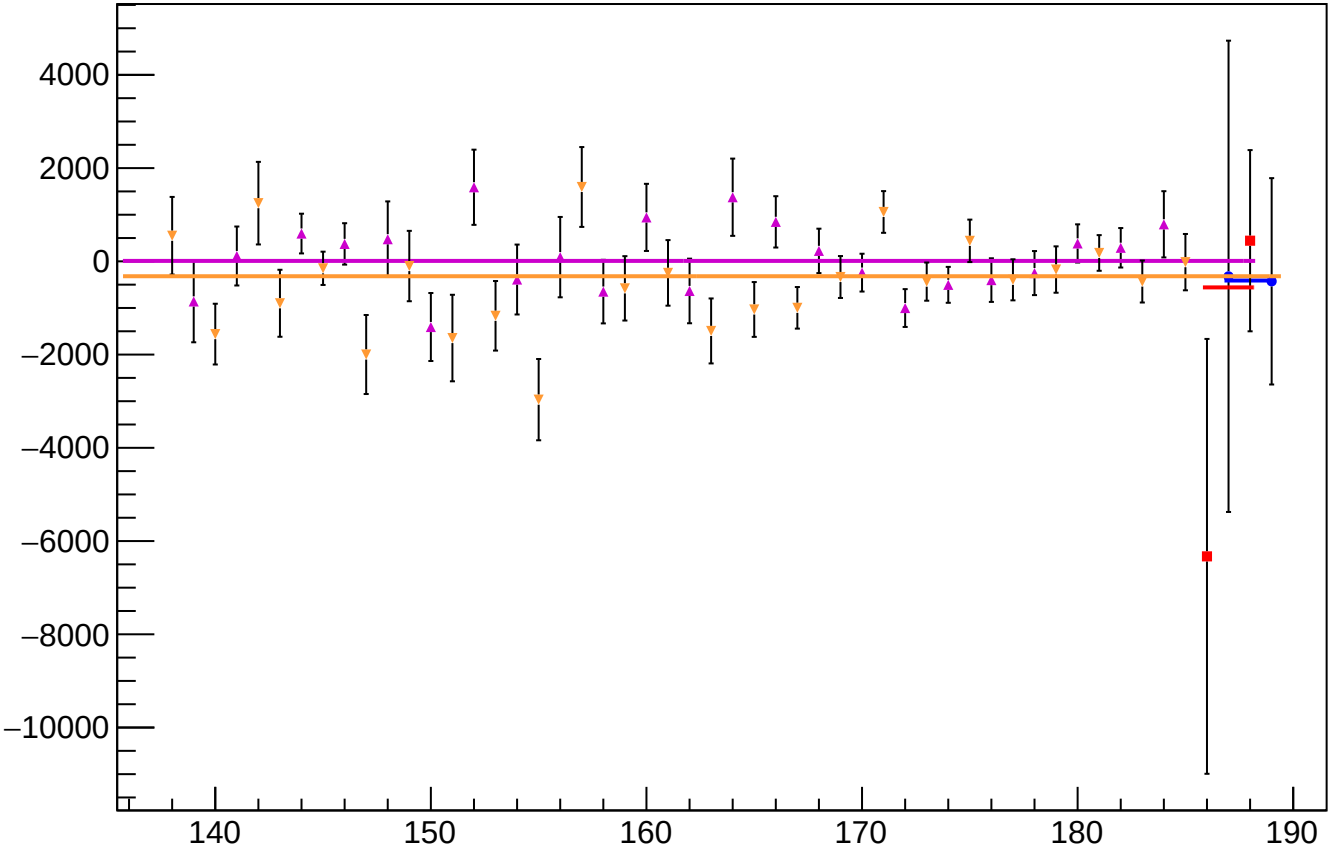
Left In: 112.657+/-0.019 $\chi^2$/NDF:835831.1/22

+ sign 110.883+/-0.019 $\chi^2$/NDF: 1532920.7/26

All: 112.548+/-0.013 $\chi^2$/NDF: 3315824.9/51

- sign 114.343+/-0.019 $\chi^2$/NDF: 1766117.0/24

# asym_sam_26_avg_correction_mean vs Slug




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

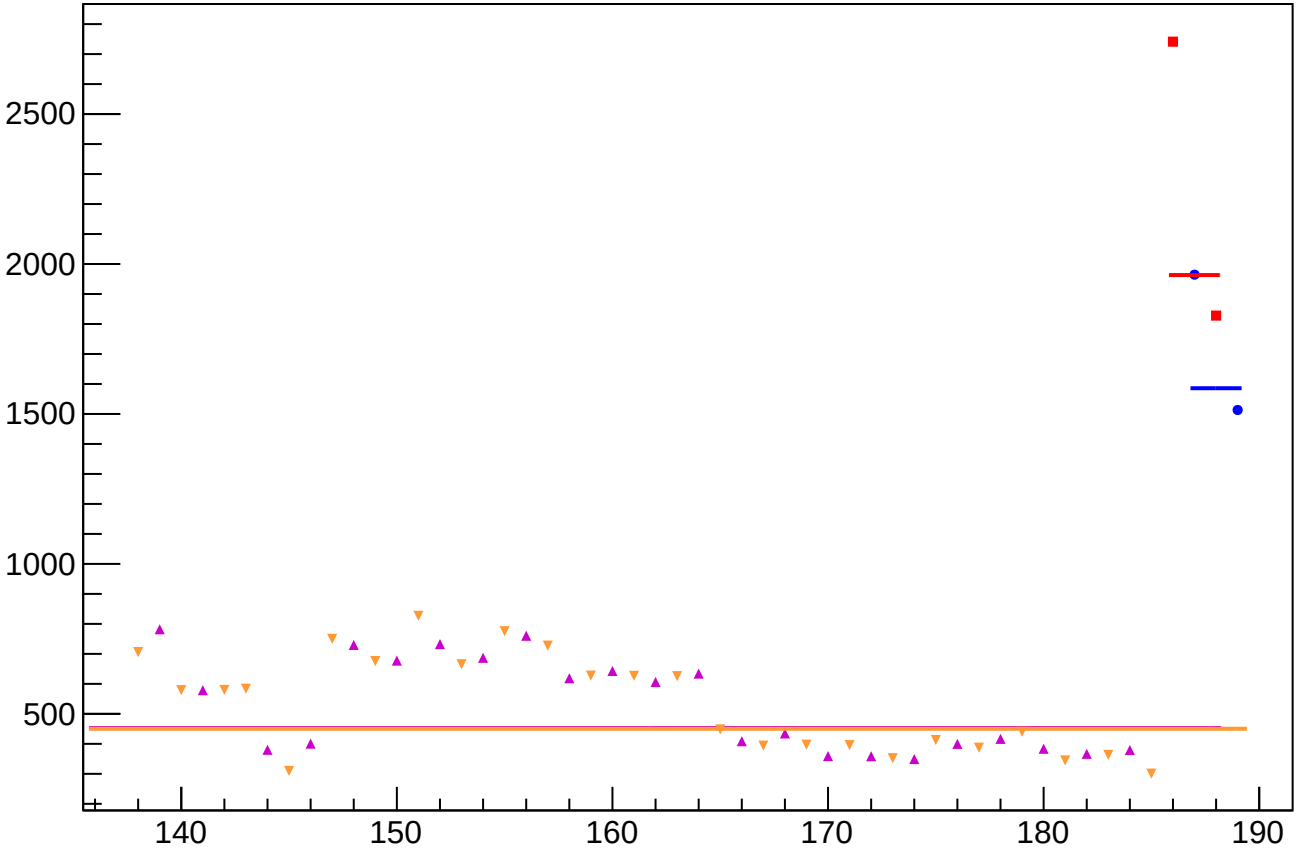
Left In: 9.462+/-112.340 $\chi^2$/NDF:32.5/22

+ sign -319.662+/-110.143 $\chi^2$/NDF: 51.5/26

All: -159.119+/-78.573 $\chi^2$/NDF: 90.2/51

- sign 7.242+/-112.121 $\chi^2$/NDF: 34.4/24

# asym_sam_26_avg_correction_rms vs Slug




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

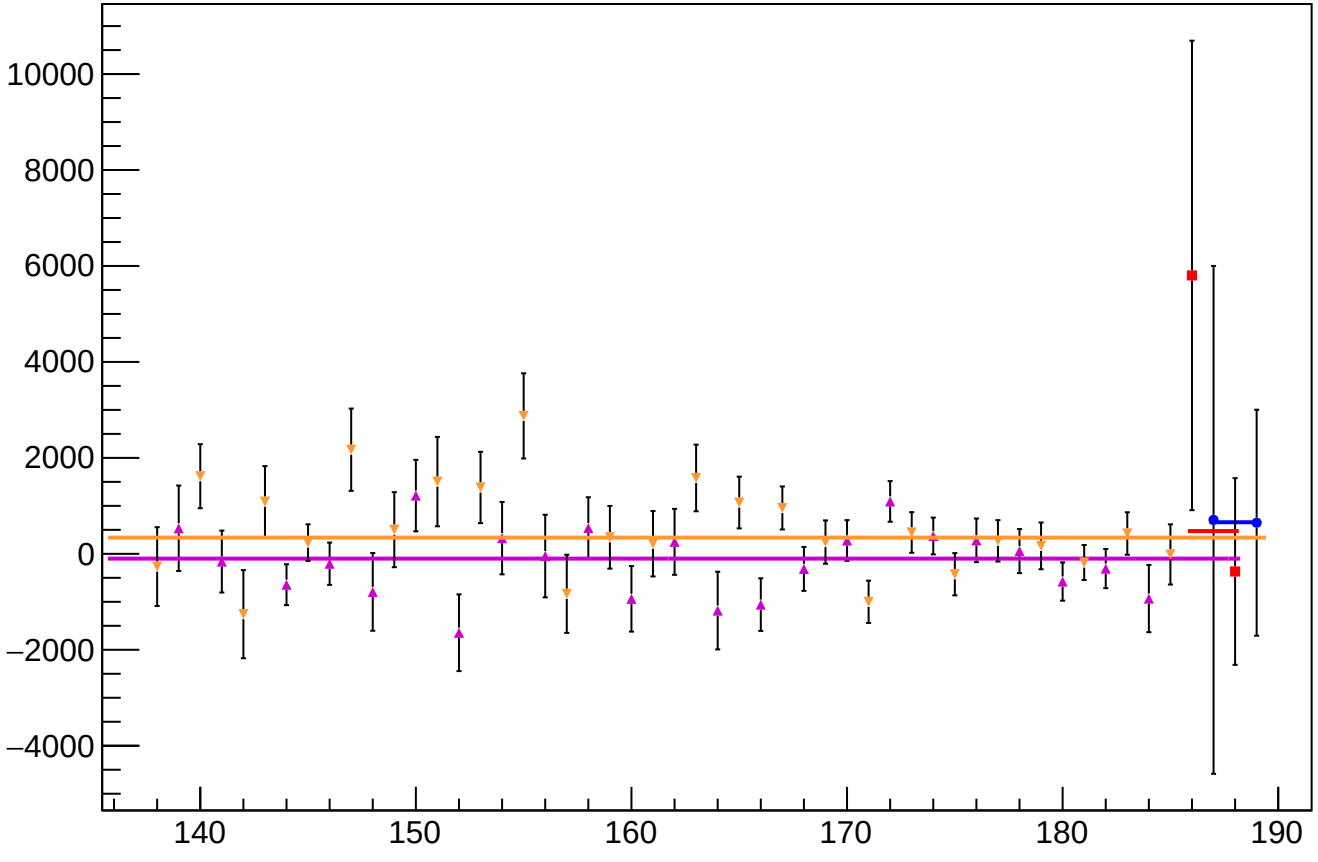
Left In: 452.694+/-0.079 $\chi^2$/NDF:2586032.2/22

+ sign 453.714+/-0.078 $\chi^2$/NDF: 3735250.2/26

All: 456.110+/-0.056 $\chi^2$/NDF: 7800704.8/51

- sign 458.593+/-0.079 $\chi^2$/NDF: 4063527.0/24

# asym_sam_26_avg_mean vs Slug




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

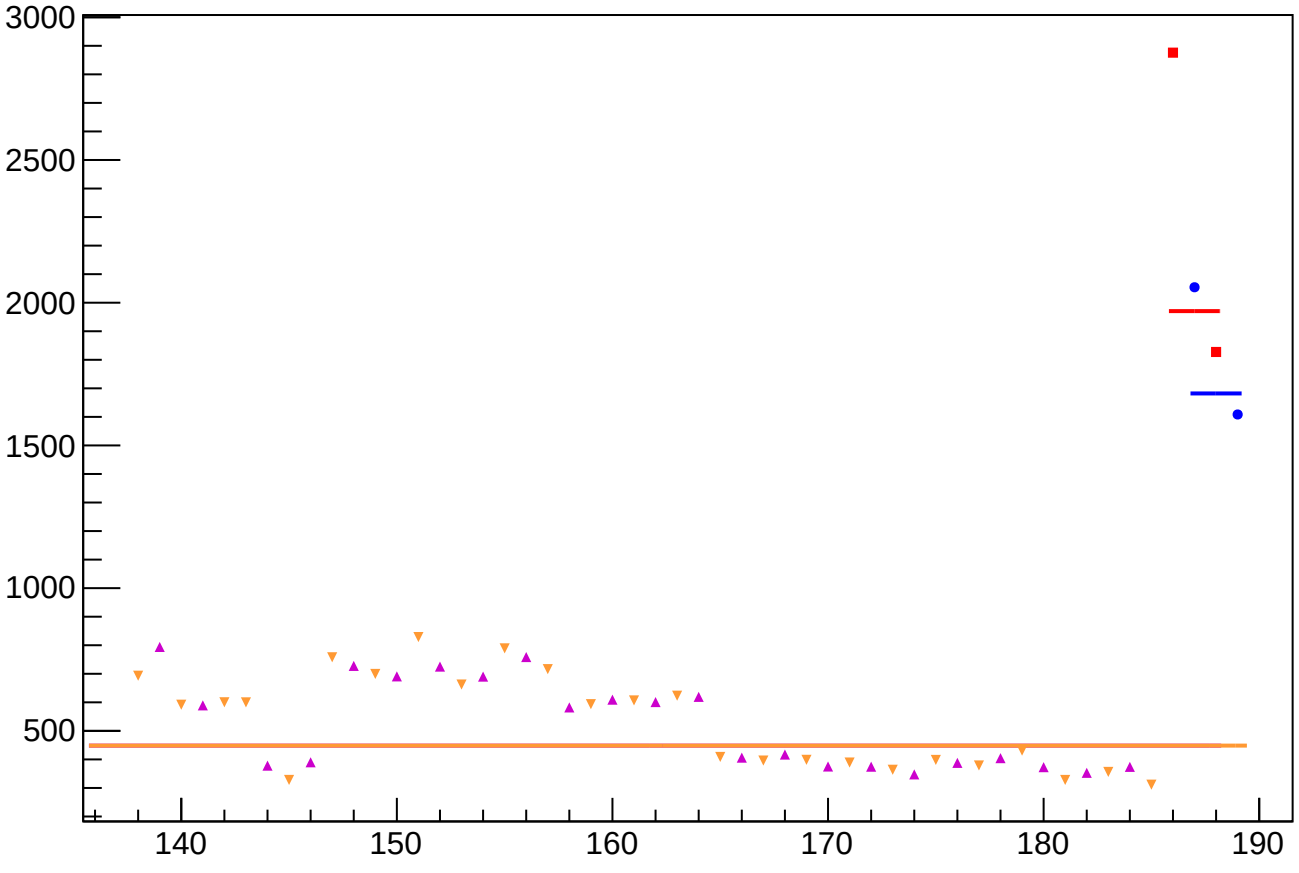
Left In: -99.475+/-111.475 $\chi^2$/NDF:32.1/22

+ sign 338.780+/-109.688 $\chi^2$/NDF: 48.6/26

All: 123.849+/-78.112 $\chi^2$/NDF: 89.9/51

- sign -97.301+/-111.264 $\chi^2$/NDF: 33.5/24

# asym_sam_26_avg_rms vs Slug




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

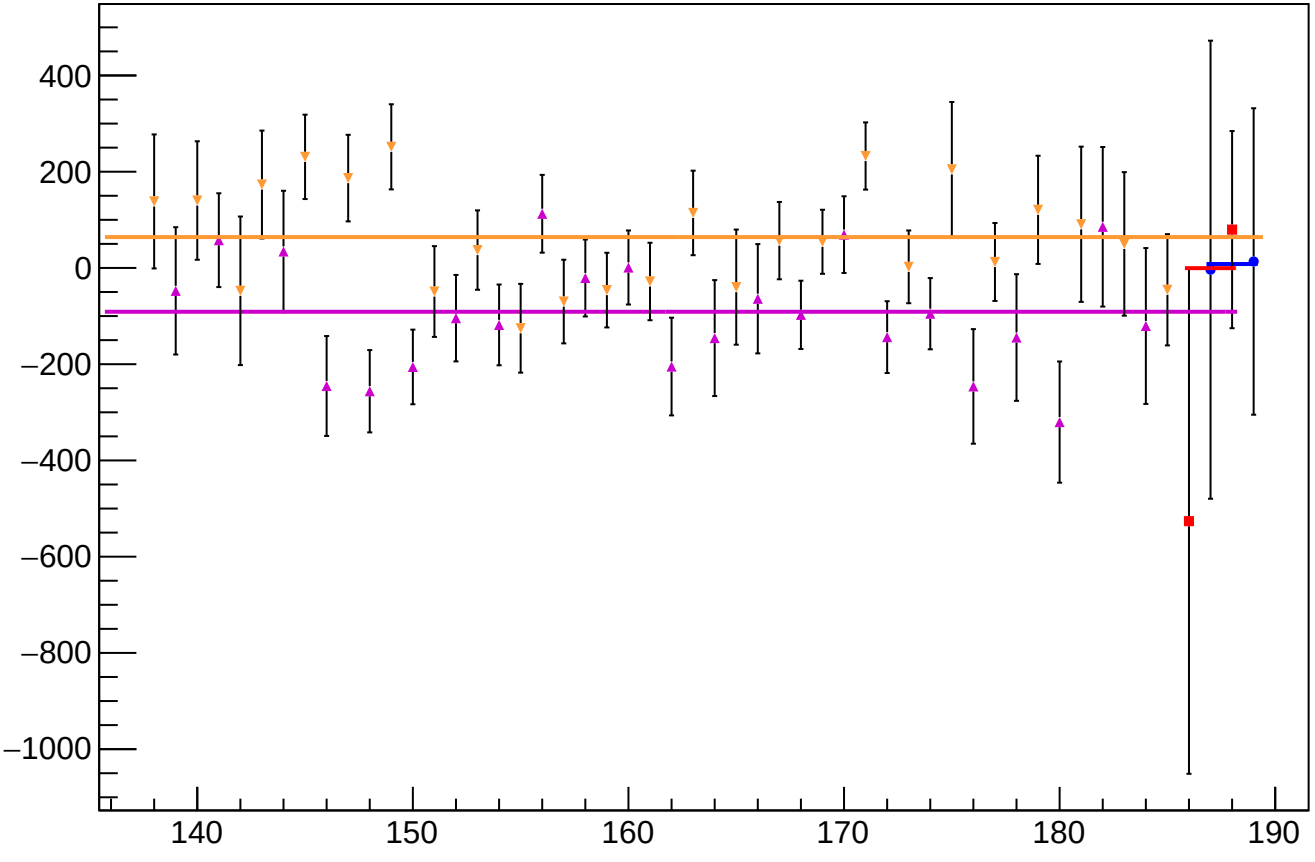
Left In: 448.238+/-0.079 $\chi^2$/NDF:2563455.5/22

+ sign 451.603+/-0.078 $\chi^2$/NDF: 3744801.1/26

All: 452.787+/-0.055 $\chi^2$/NDF: 7800860.8/51

- sign 454.005+/-0.079 $\chi^2$/NDF: 4055586.9/24

# dit_asym_sam_37_avg_mean vs Slug




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

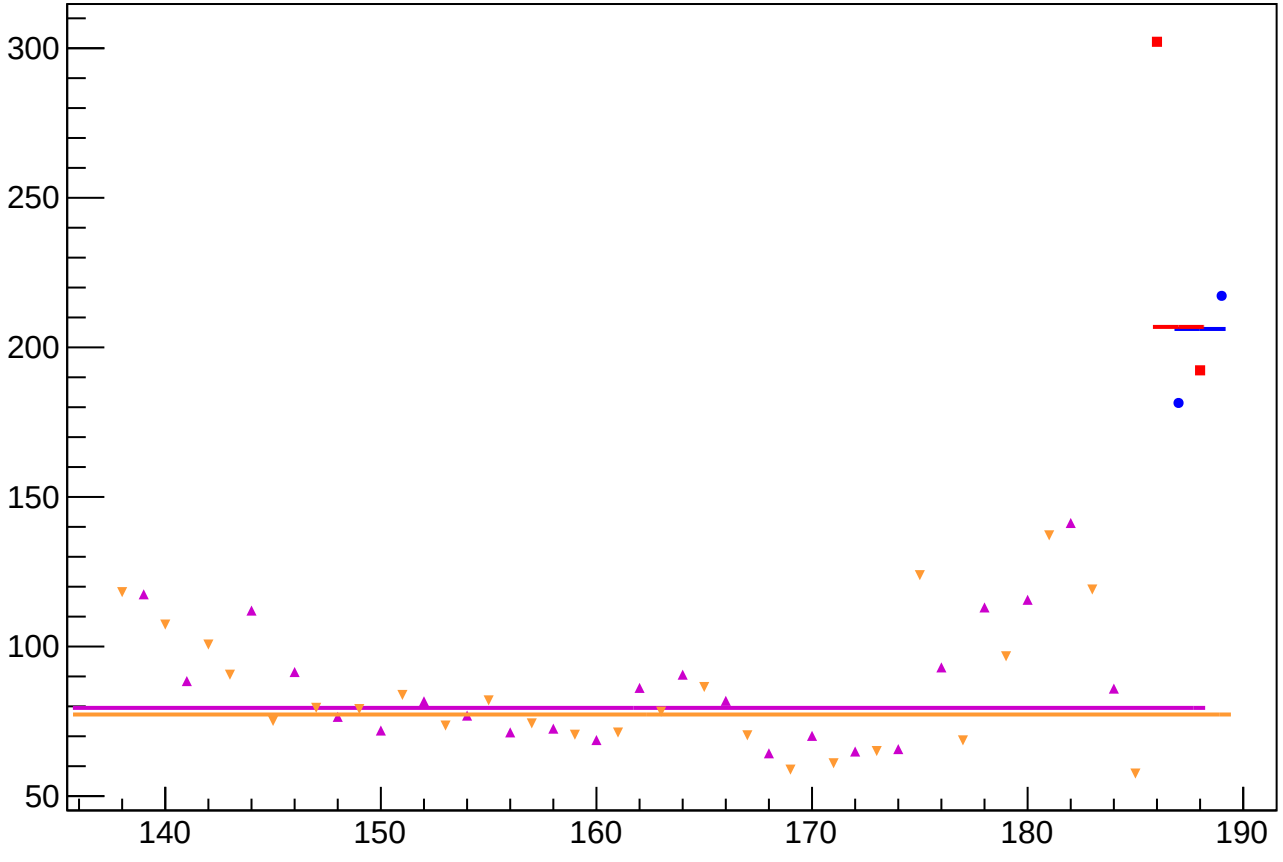
Left In: -91.028+/-19.637 $\chi^2$/NDF:32.6/22

+ sign 63.863+/-18.681 $\chi^2$/NDF: 33.8/26

All: -9.673+/-13.501 $\chi^2$/NDF: 100.3/51

- sign -90.079+/-19.534 $\chi^2$/NDF: 34.0/24

# dit_asym_sam_37_avg_rms vs Slug




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

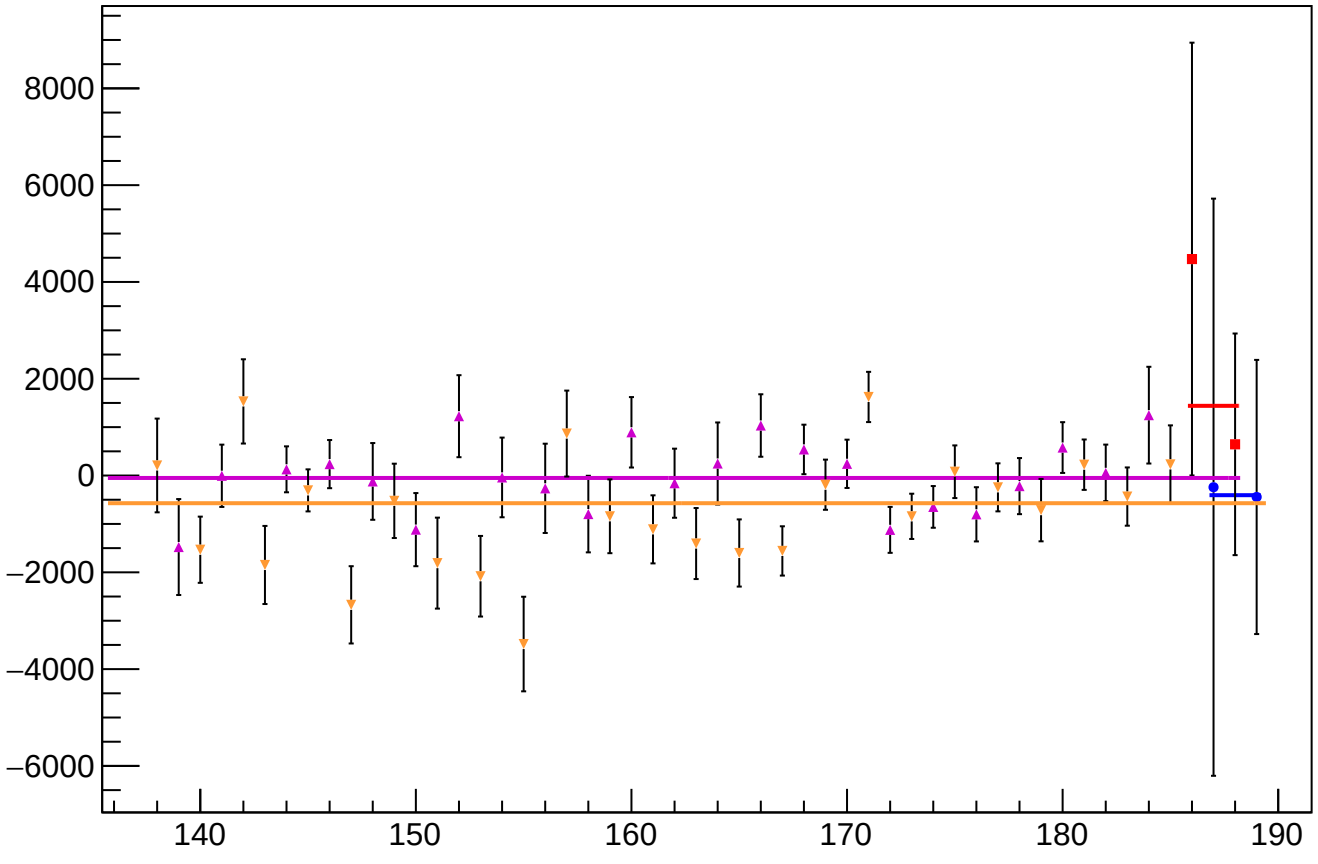
Left In: 79.491+/-0.014 $\chi^2$/NDF:1333774.9/22

+ sign 77.922+/-0.013 $\chi^2$/NDF: 2033111.2/26

All: 79.309+/-0.010 $\chi^2$/NDF: 4347144.4/51

- sign 80.826+/-0.014 $\chi^2$/NDF: 2290947.2/24

# asym_sam_37_avg_correction_mean vs Slug




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

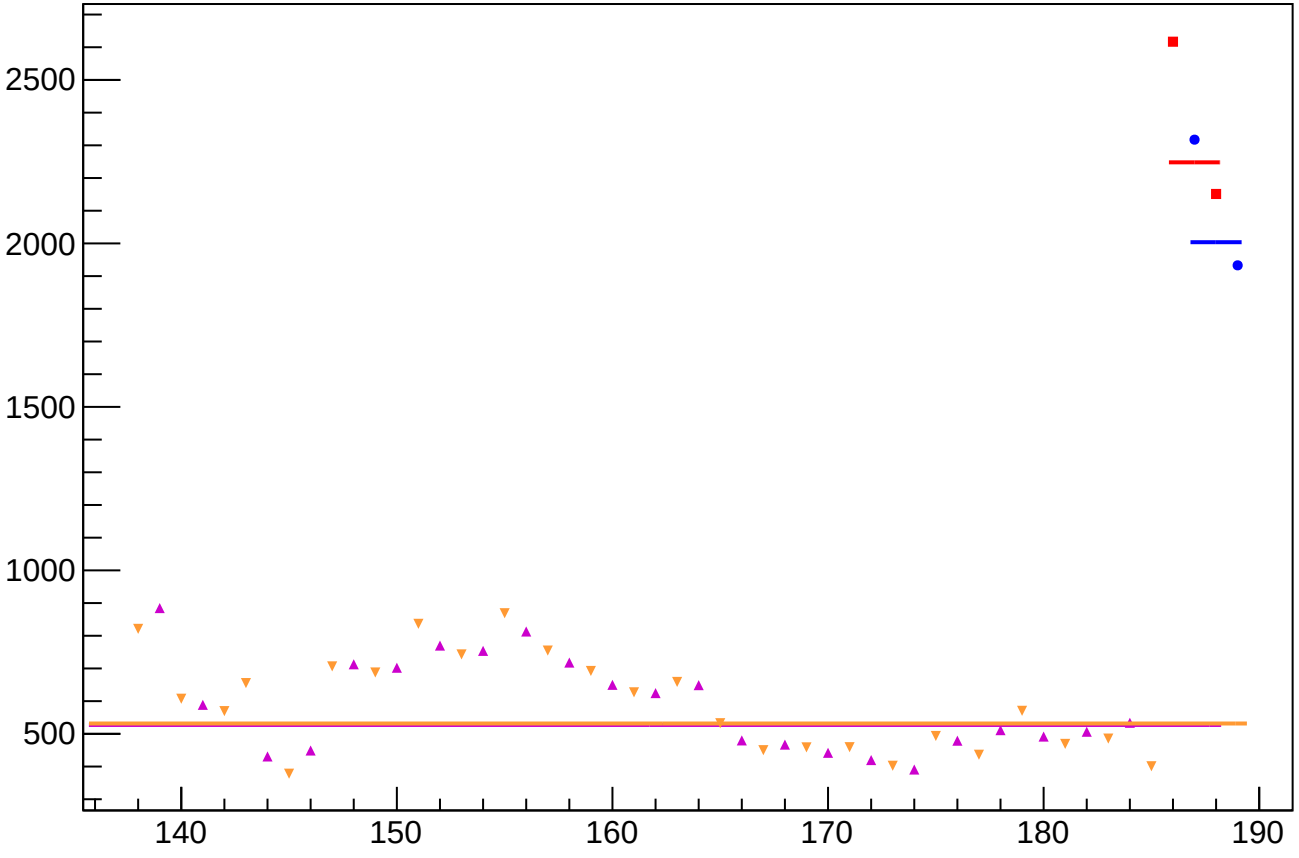
Left In: -50.077+/-129.187 $\chi^2$/NDF:26.1/22

+ sign -571.254+/-127.997 $\chi^2$/NDF: 66.8/26

All: -309.592+/-90.835 $\chi^2$/NDF: 102.5/51

- sign -44.112+/-128.928 $\chi^2$/NDF: 27.3/24

# asym_sam_37_avg_correction_rms vs Slug




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

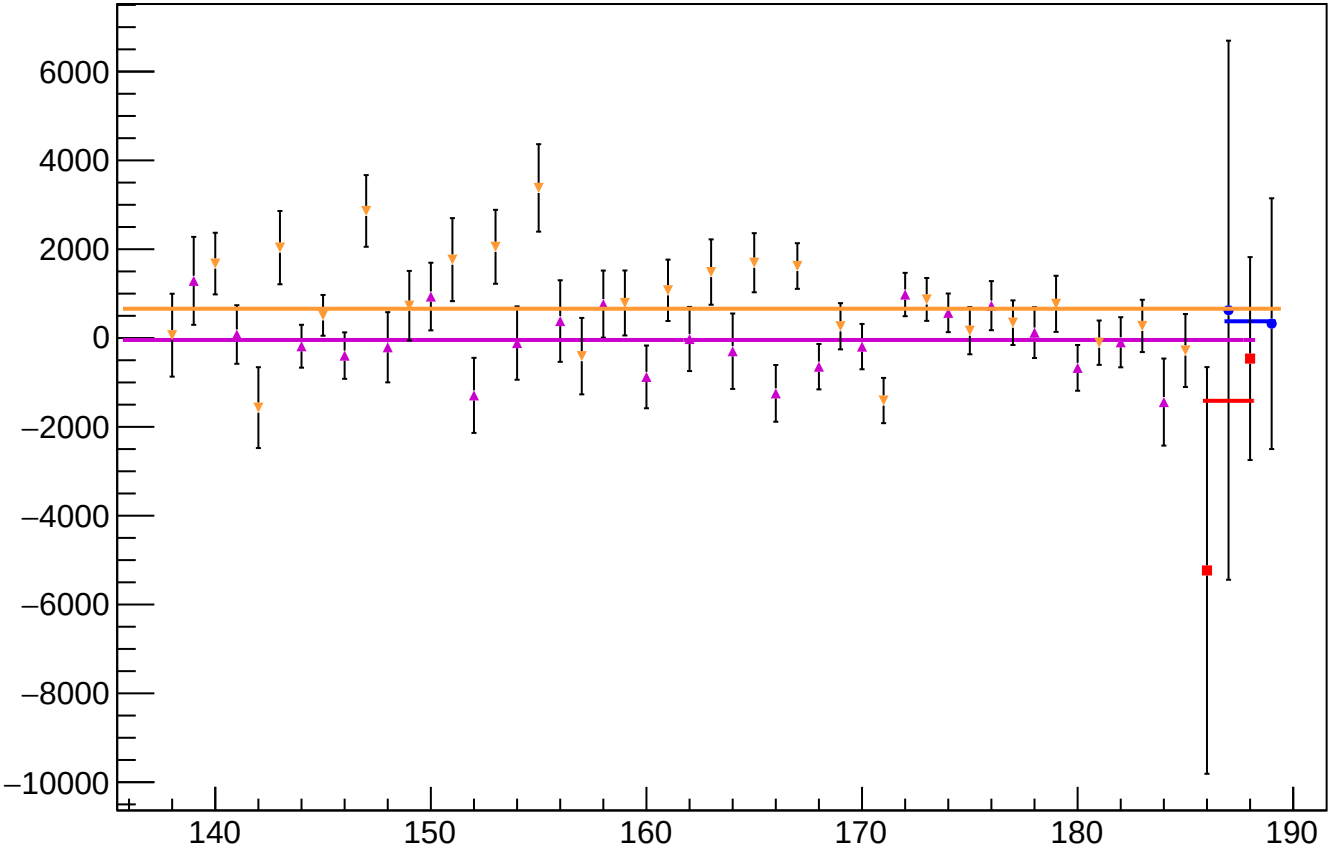
Left In: 527.182+/-0.091 $\chi^2$/NDF:1813383.7/22

+ sign 535.327+/-0.091 $\chi^2$/NDF: 2705516.8/26

All: 534.703+/-0.064 $\chi^2$/NDF: 5956400.2/51

- sign 534.069+/-0.091 $\chi^2$/NDF: 3250787.5/24

# asym_sam_37_avg_mean vs Slug




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

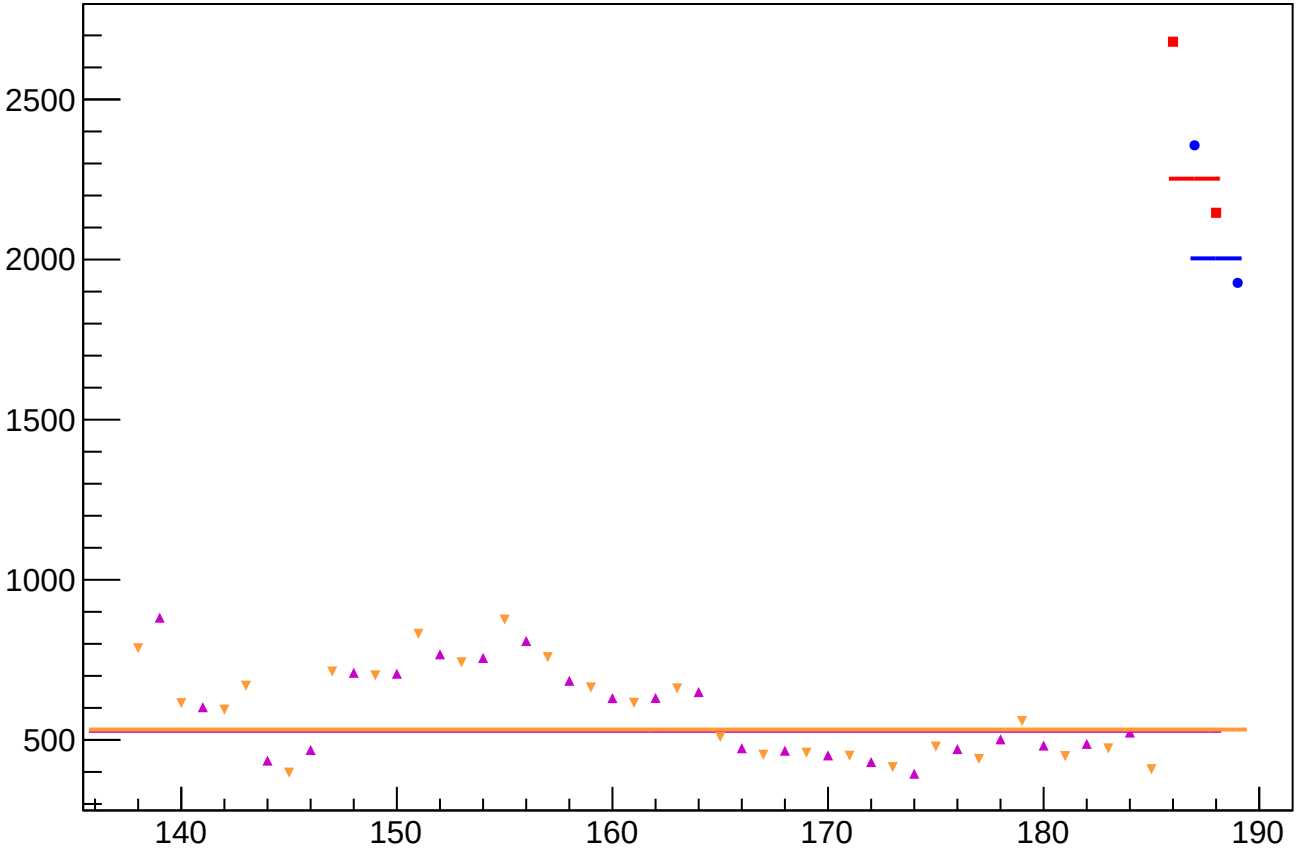
Left In: -43.183+/-129.538 $\chi^2$/NDF:26.0/22

+ sign 658.818+/-128.004 $\chi^2$/NDF: 62.4/26

All: 308.582+/-90.960 $\chi^2$/NDF: 104.9/51

- sign -48.662+/-129.279 $\chi^2$/NDF: 27.4/24

# asym_sam_37_avg_rms vs Slug




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

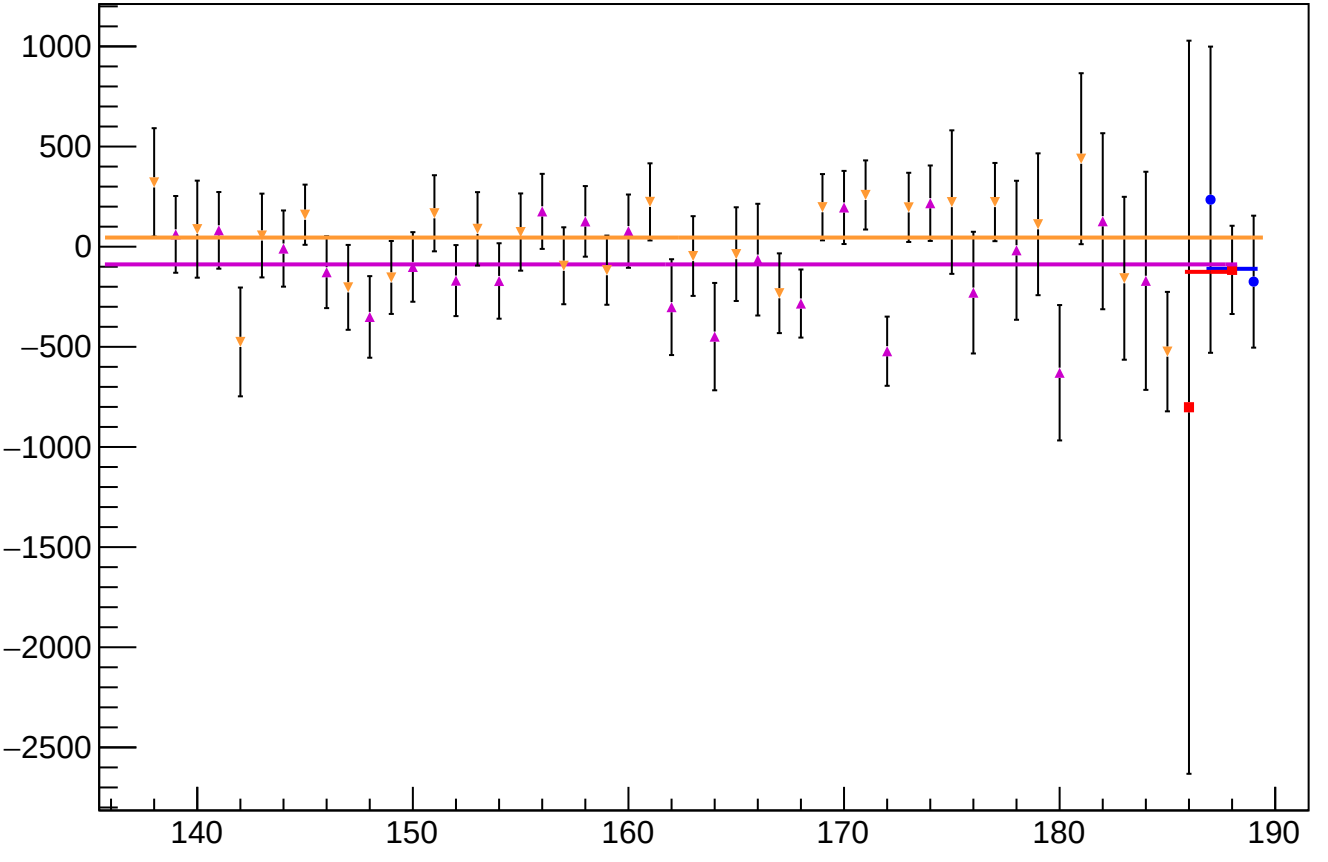
Left In: 528.464+/-0.092 $\chi^2$/NDF:1712049.5/22

+ sign 536.071+/-0.091 $\chi^2$/NDF: 2610299.0/26

All: 535.719+/-0.064 $\chi^2$/NDF: 5761160.4/51

- sign 535.360+/-0.091 $\chi^2$/NDF: 3150830.8/24

# dit_asym_sam_48_avg_mean vs Slug




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

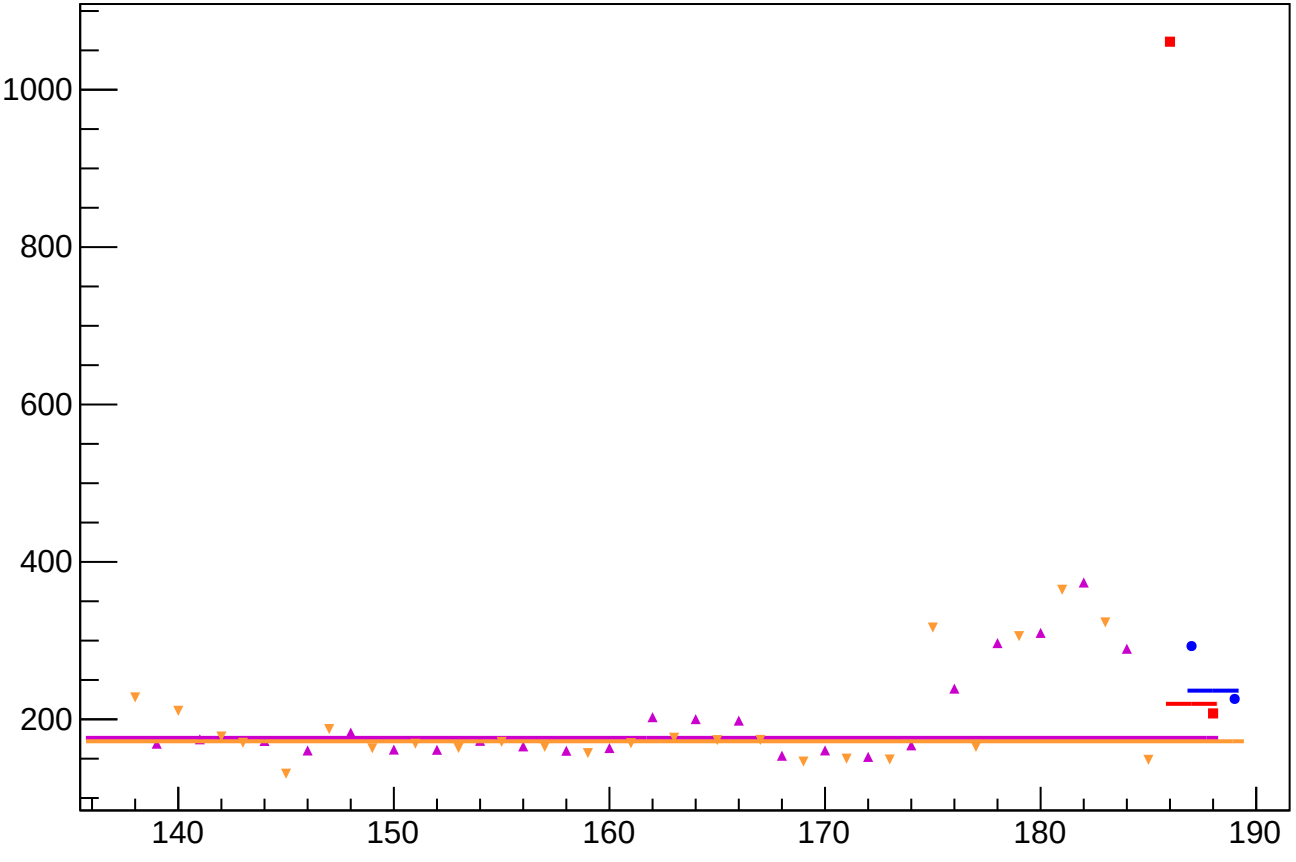
Left In: -88.356+/-43.518 $\chi^2$/NDF:26.4/22

+ sign 42.754+/-41.386 $\chi^2$/NDF: 22.4/26

All: -21.468+/-29.712 $\chi^2$/NDF: 53.9/51

- sign -89.773+/-42.682 $\chi^2$/NDF: 26.5/24

# dit_asym_sam_48_avg_rms vs Slug




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

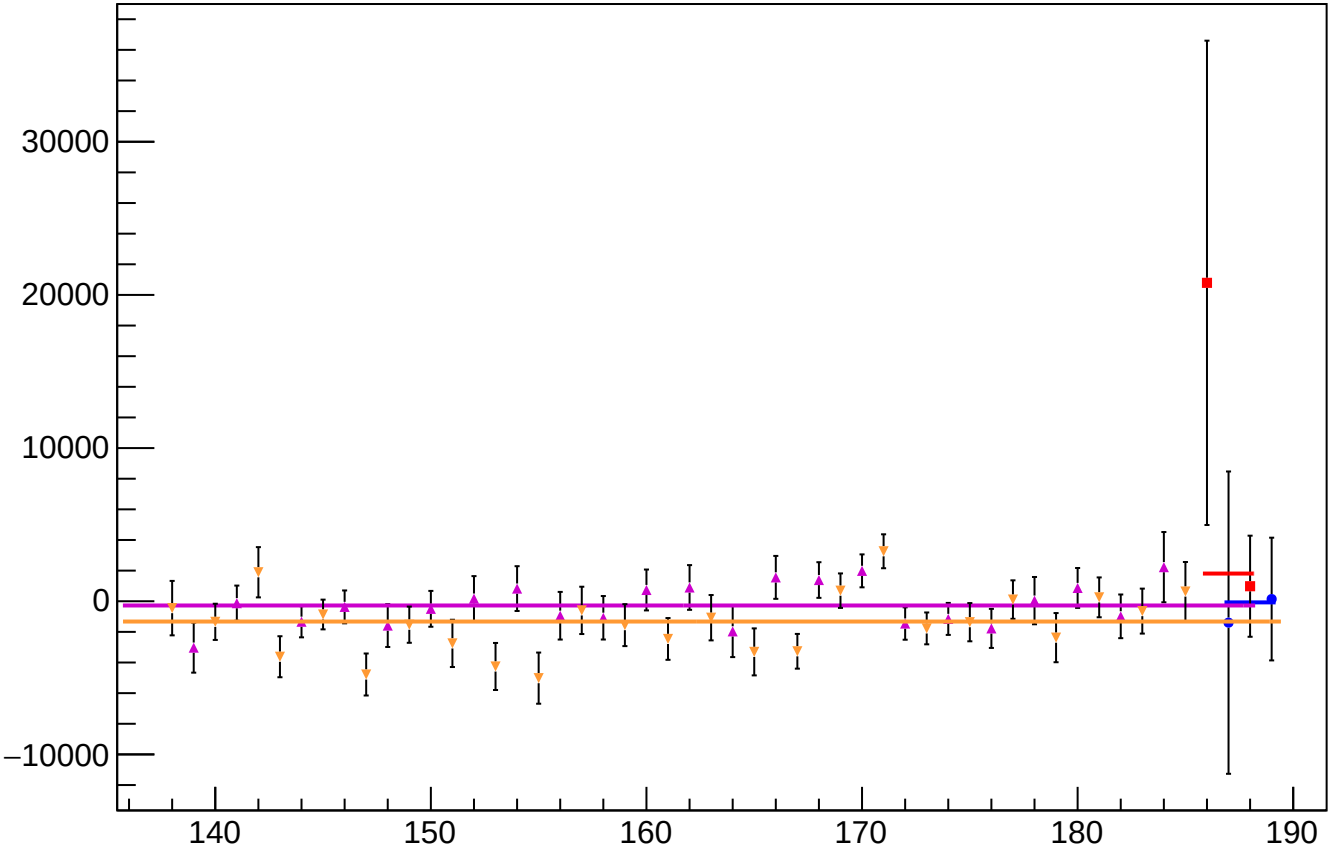
Left In: 176.425+/-0.031 $\chi^2$/NDF:1360607.7/22

+ sign 173.301+/-0.029 $\chi^2$/NDF: 1854259.3/26

All: 175.613+/-0.021 $\chi^2$/NDF: 3731753.2/51

- sign 178.072+/-0.030 $\chi^2$/NDF: 1864611.9/24

# asym_sam_48_avg_correction_mean vs Slug




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

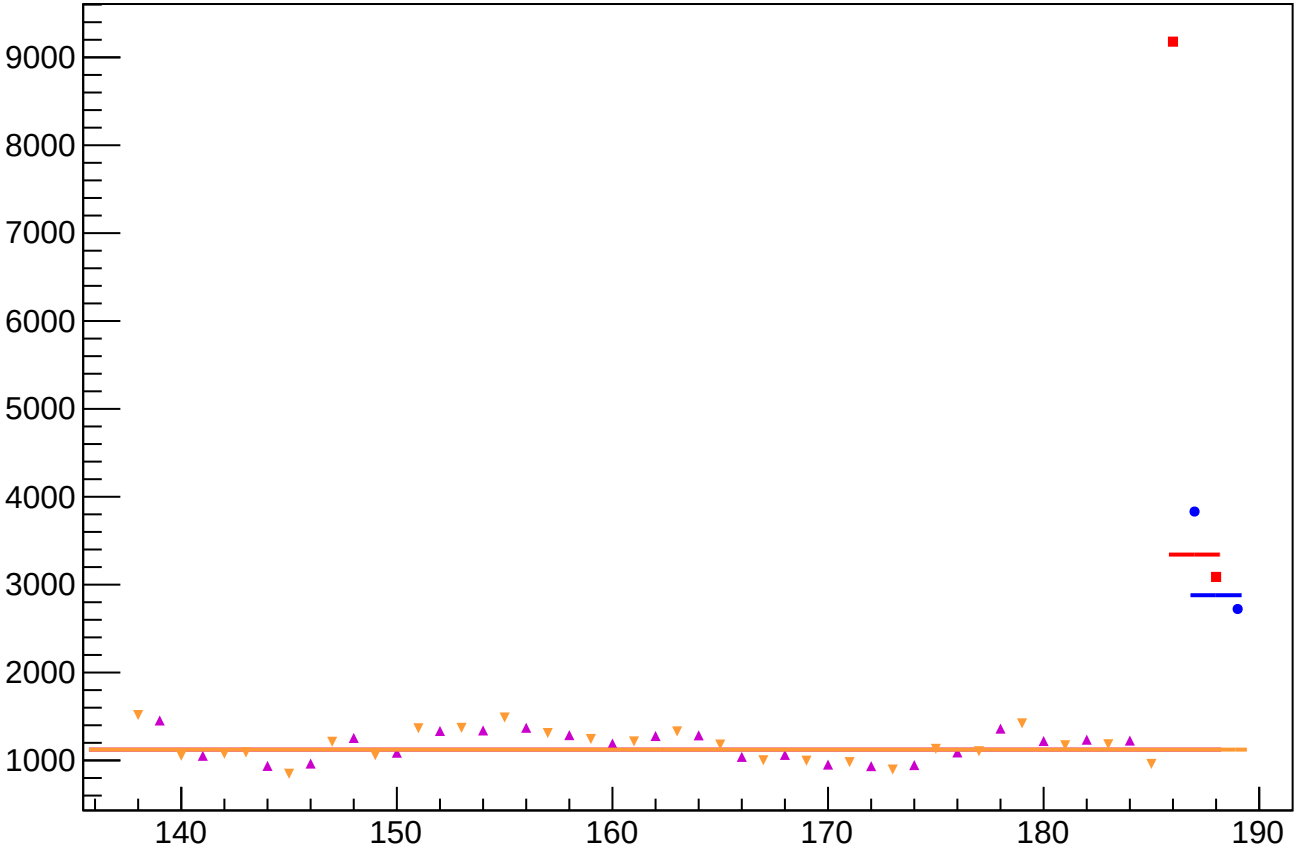
Left In: -276.678+/-270.547 $\chi^2$/NDF:22.0/22

+ sign -1317.984+/-265.270 $\chi^2$/NDF: 53.8/26

All: -798.625+/-189.088 $\chi^2$/NDF: 85.5/51

- sign -262.161+/-269.603 $\chi^2$/NDF: 23.9/24

# asym_sam_48_avg_correction_rms vs Slug




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

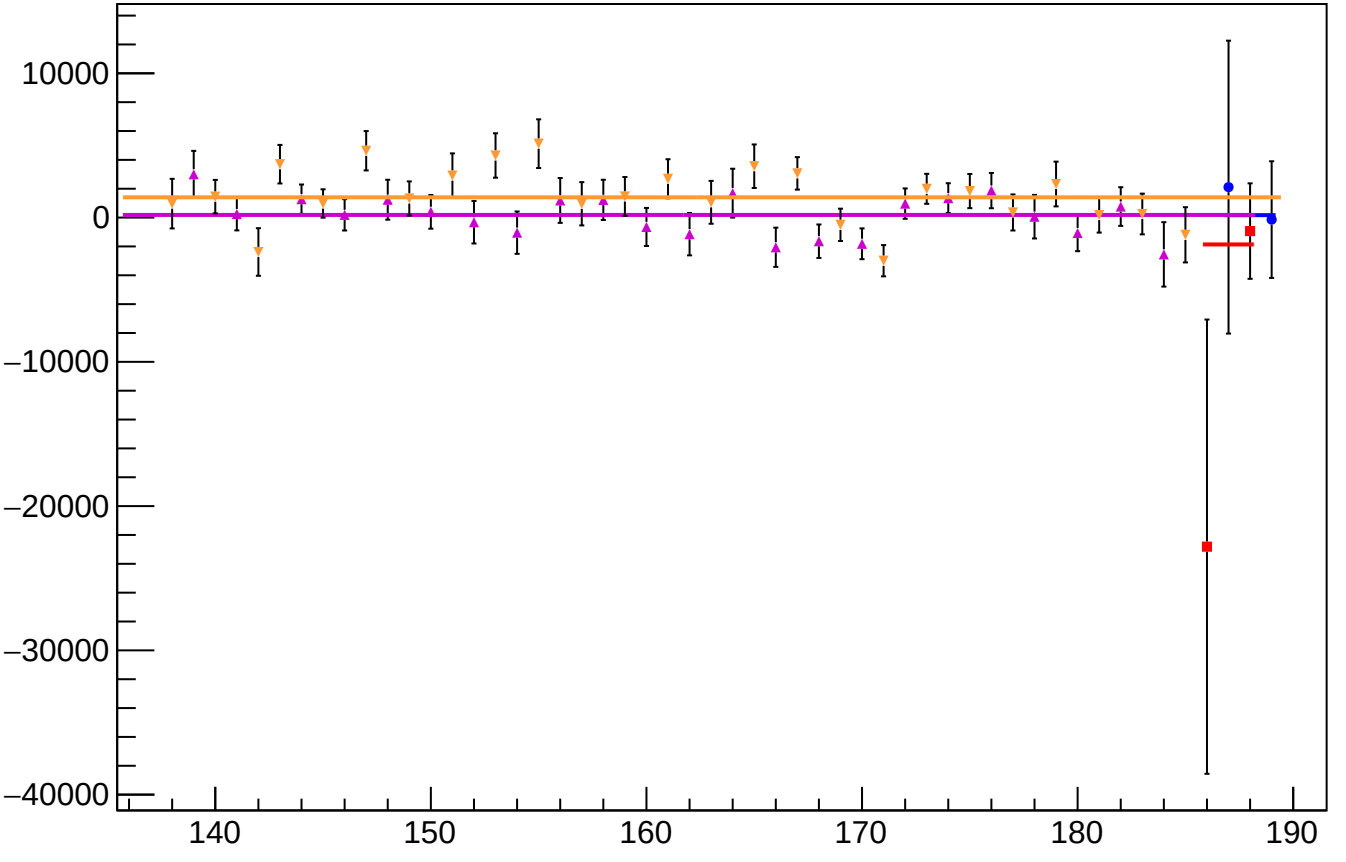
Left In: 1123.148+/-0.191 $\chi^2$/NDF:689778.4/22

+ sign 1131.993+/-0.188 $\chi^2$/NDF: 1309726.6/26

All: 1135.244+/-0.134 $\chi^2$/NDF: 3221599.7/51

- sign 1138.602+/-0.191 $\chi^2$/NDF: 1911262.4/24

# asym_sam_48_avg_mean vs Slug




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

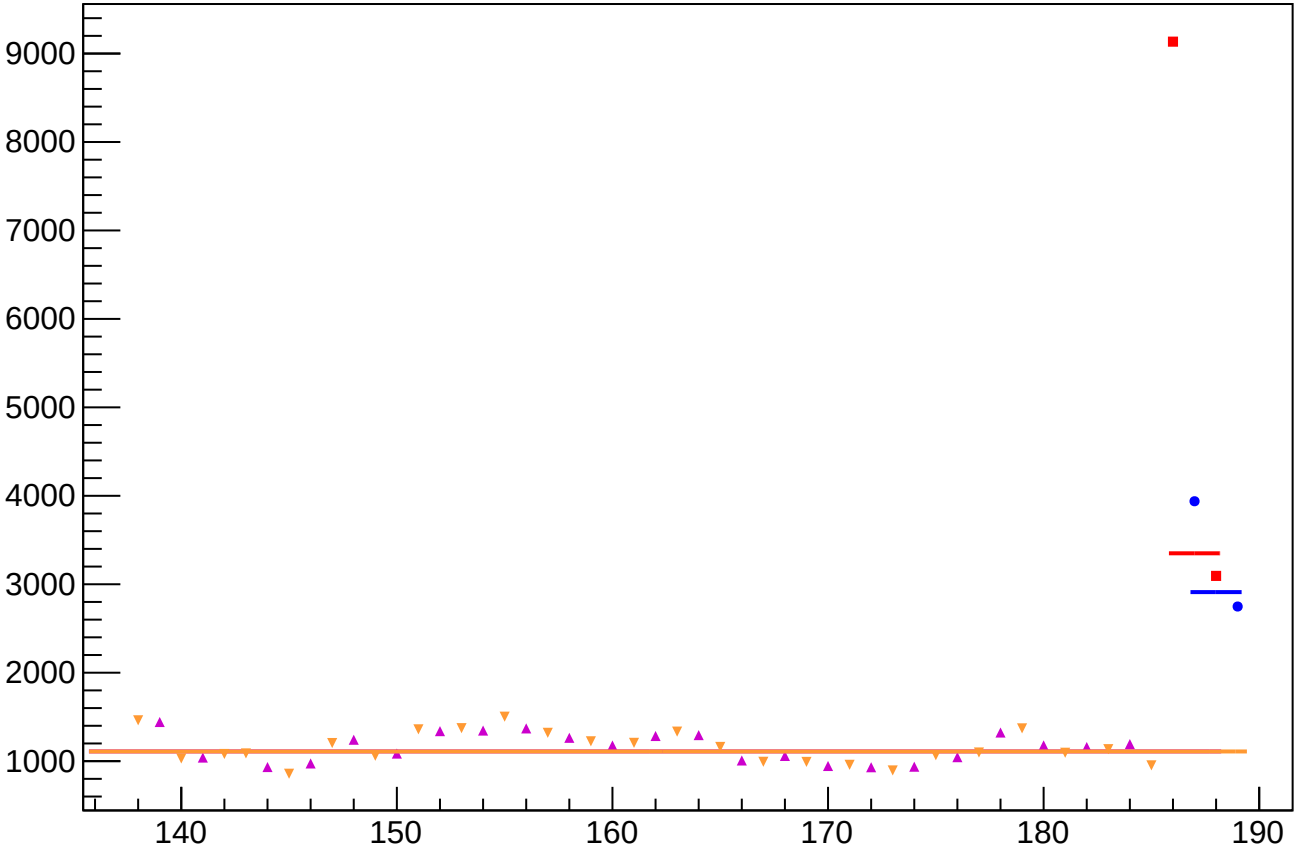
Left In: 183.249+/-267.620 $\chi^2$/NDF:23.7/22

+ sign 1398.754+/-261.878 $\chi^2$/NDF: 53.3/26

All: 795.301+/-186.861 $\chi^2$/NDF: 90.0/51

- sign 169.372+/-266.711 $\chi^2$/NDF: 26.0/24

# asym_sam_48_avg_rms vs Slug




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

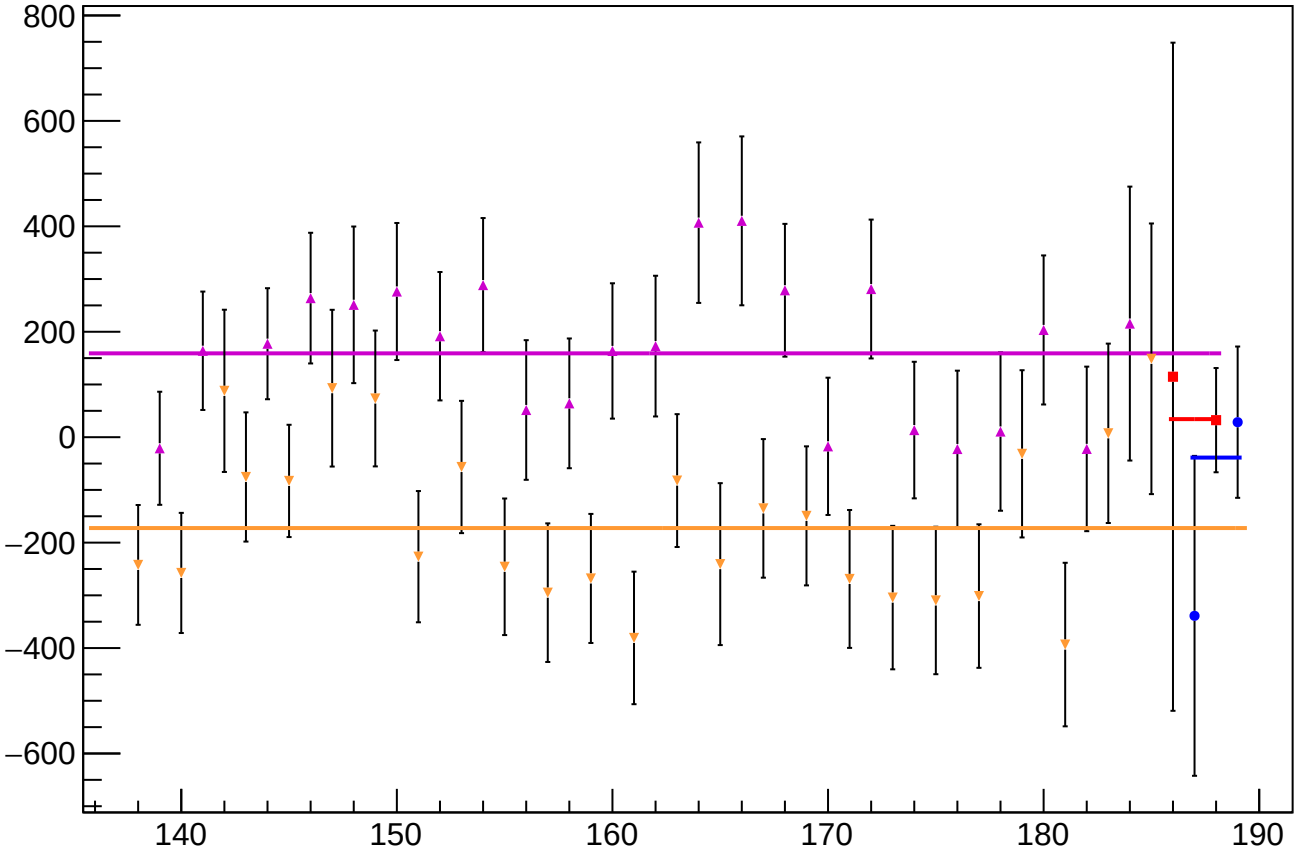
Left In: 1110.162+/-0.189 $\chi^2$/NDF:673229.2/22

+ sign 1118.330+/-0.185 $\chi^2$/NDF: 1294514.9/26

All: 1121.781+/-0.132 $\chi^2$/NDF: 3200851.5/51

- sign 1125.359+/-0.189 $\chi^2$/NDF: 1905629.3/24

# dit_asym_sam_15_dd_mean vs Slug




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

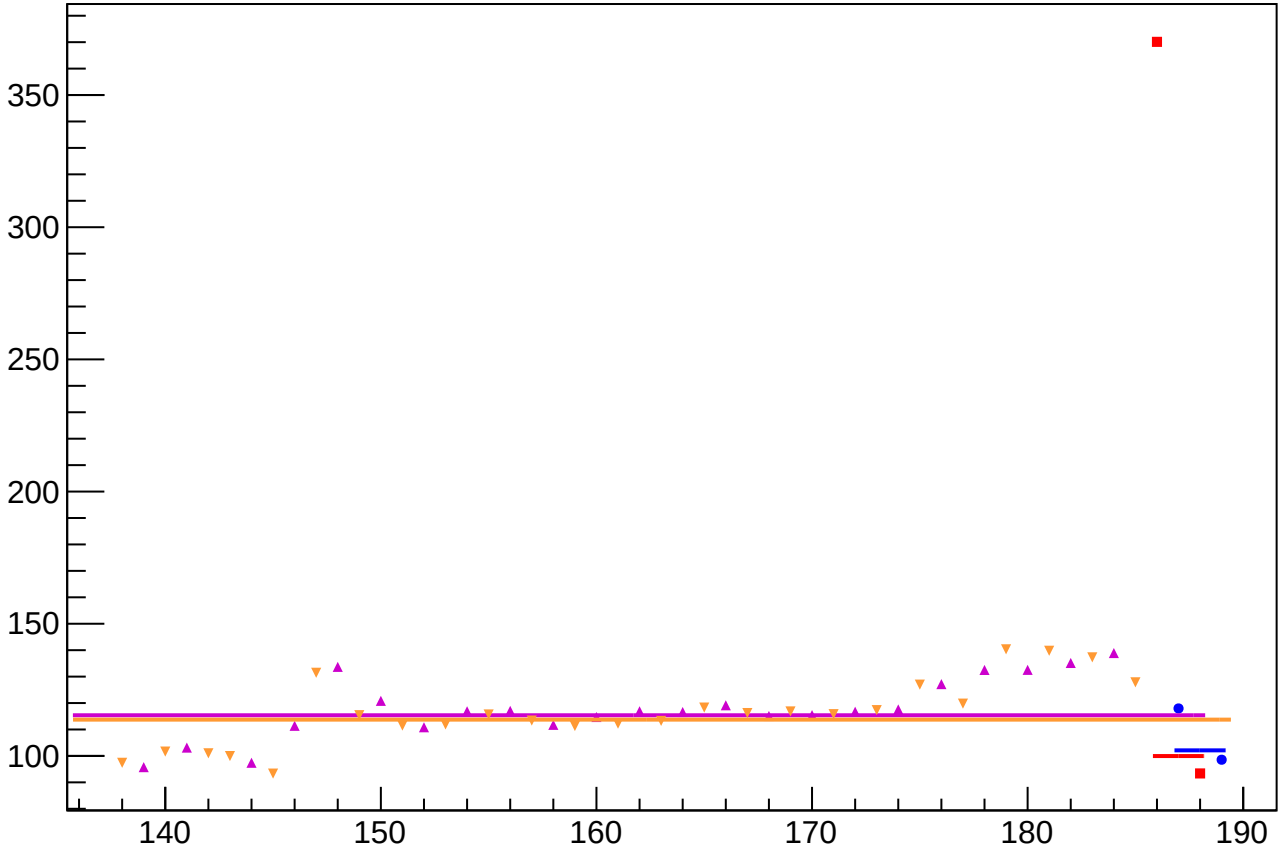
Left In: 159.044+/-27.608 $\chi^2$/NDF:21.1/22

+ sign -166.921+/-26.161 $\chi^2$/NDF: 29.4/26

All: -10.996+/-18.640 $\chi^2$/NDF: 124.2/51

- sign 149.816+/-26.567 $\chi^2$/NDF: 22.6/24

# dit_asym_sam_15_dd_rms vs Slug




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

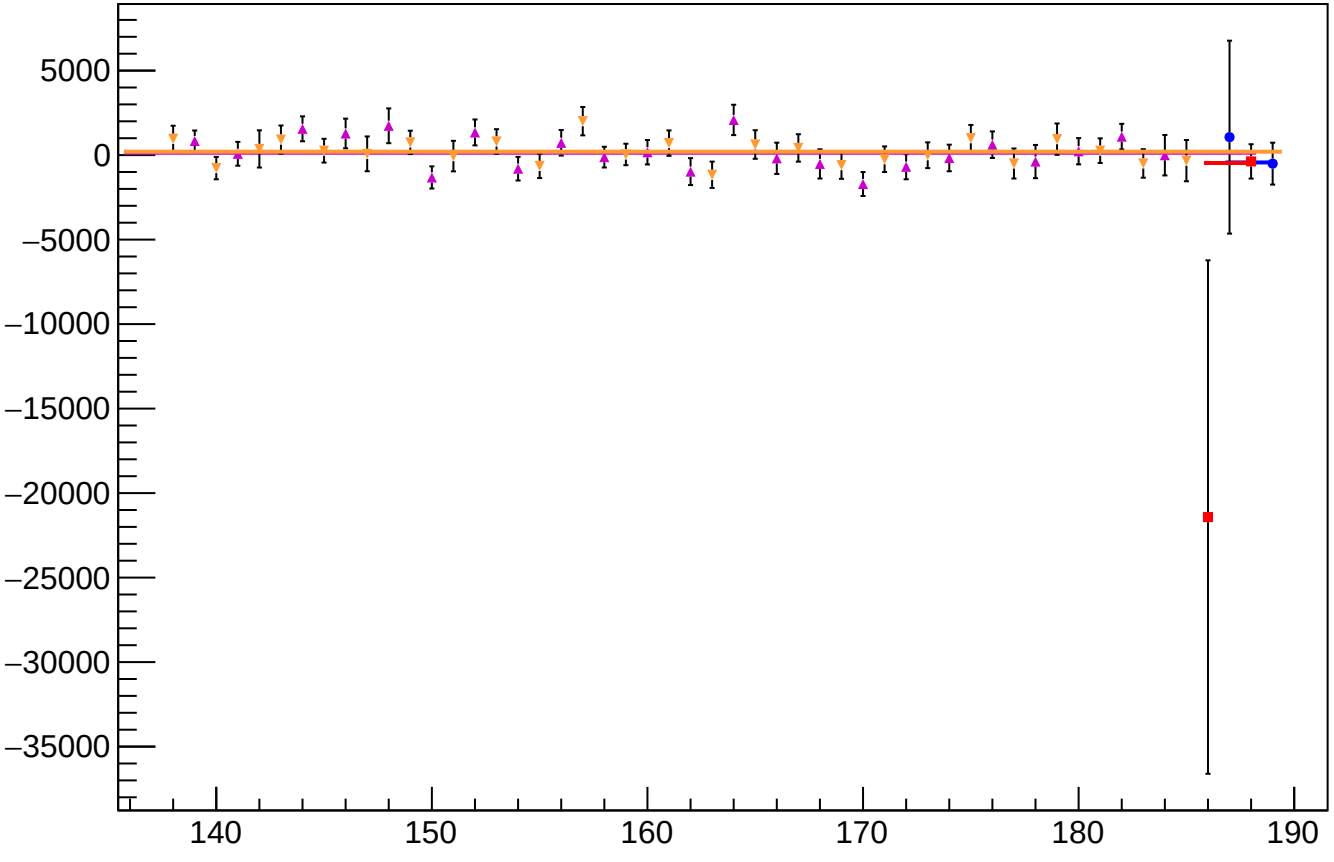
Left In: 115.377+/-0.020 $\chi^2$/NDF:309034.7/22

+ sign 113.254+/-0.018 $\chi^2$/NDF: 414241.5/26

All: 113.737+/-0.013 $\chi^2$/NDF: 1143232.8/51

- sign 114.235+/-0.019 $\chi^2$/NDF: 727606.8/24

# asym_sam_15_dd_correction_mean vs Slug




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

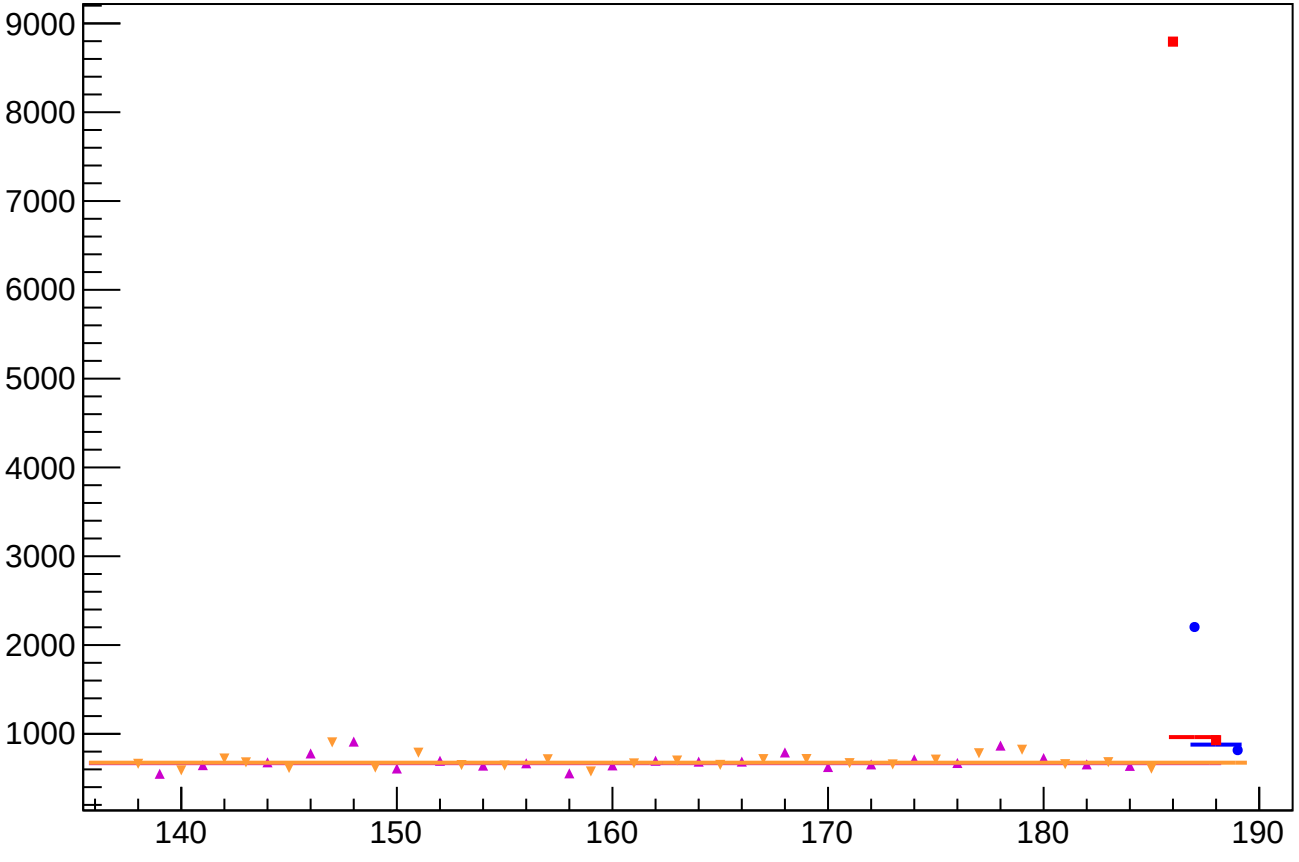
Left In: 140.039+/-161.024 $\chi^2$/NDF:36.9/22

+ sign 191.658+/-157.677 $\chi^2$/NDF: 20.1/26

All: 158.674+/-111.971 $\chi^2$/NDF: 59.3/51

- sign 125.119+/-159.034 $\chi^2$/NDF: 39.1/24

# asym_sam_15_dd_correction_rms vs Slug




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

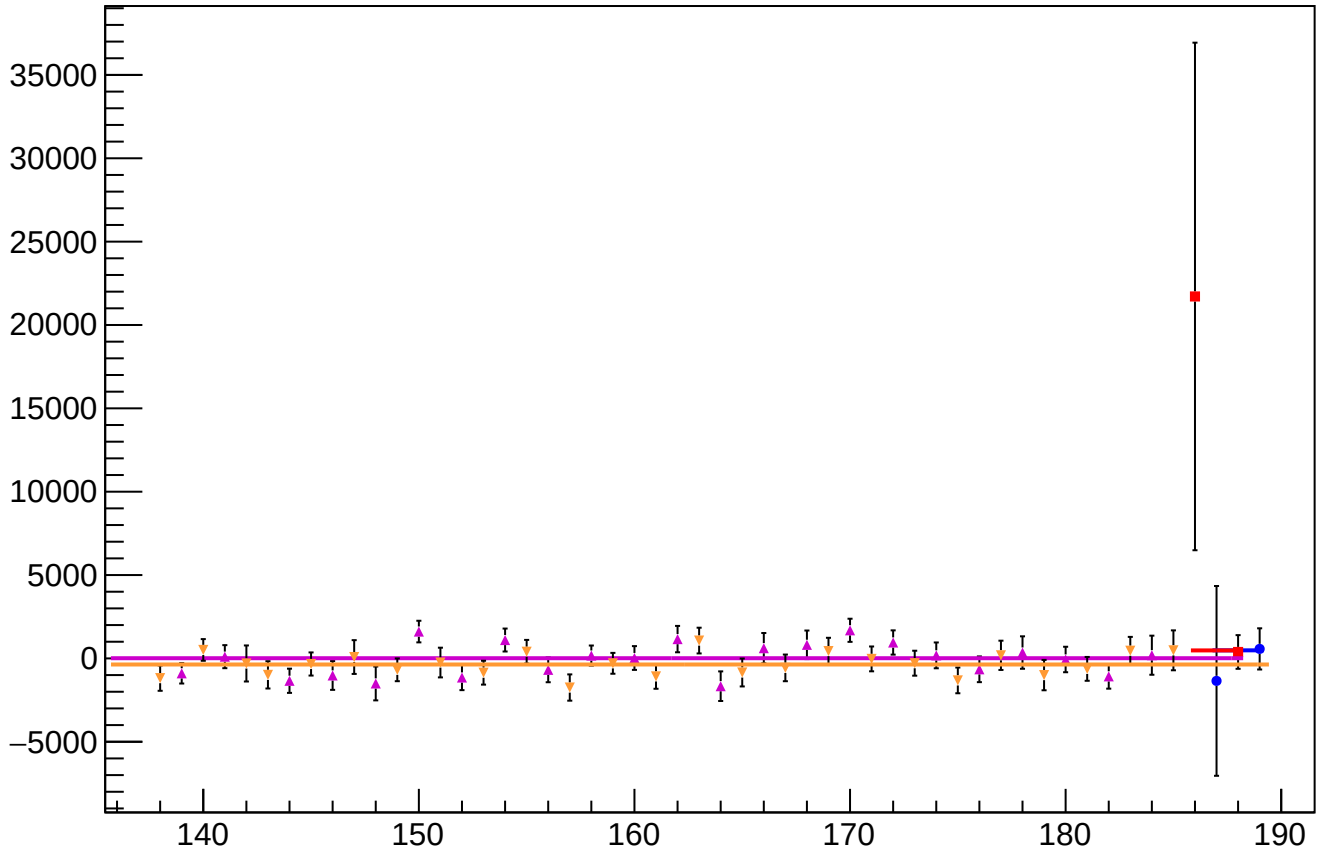
Left In: 669.938+/-0.114 $\chi^2$/NDF:464085.7/22

+ sign 678.783+/-0.111 $\chi^2$/NDF: 526894.9/26

All: 677.974+/-0.079 $\chi^2$/NDF: 1688366.9/51

- sign 677.152+/-0.112 $\chi^2$/NDF: 1161366.0/24

# asym_sam_15_dd_mean vs Slug




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

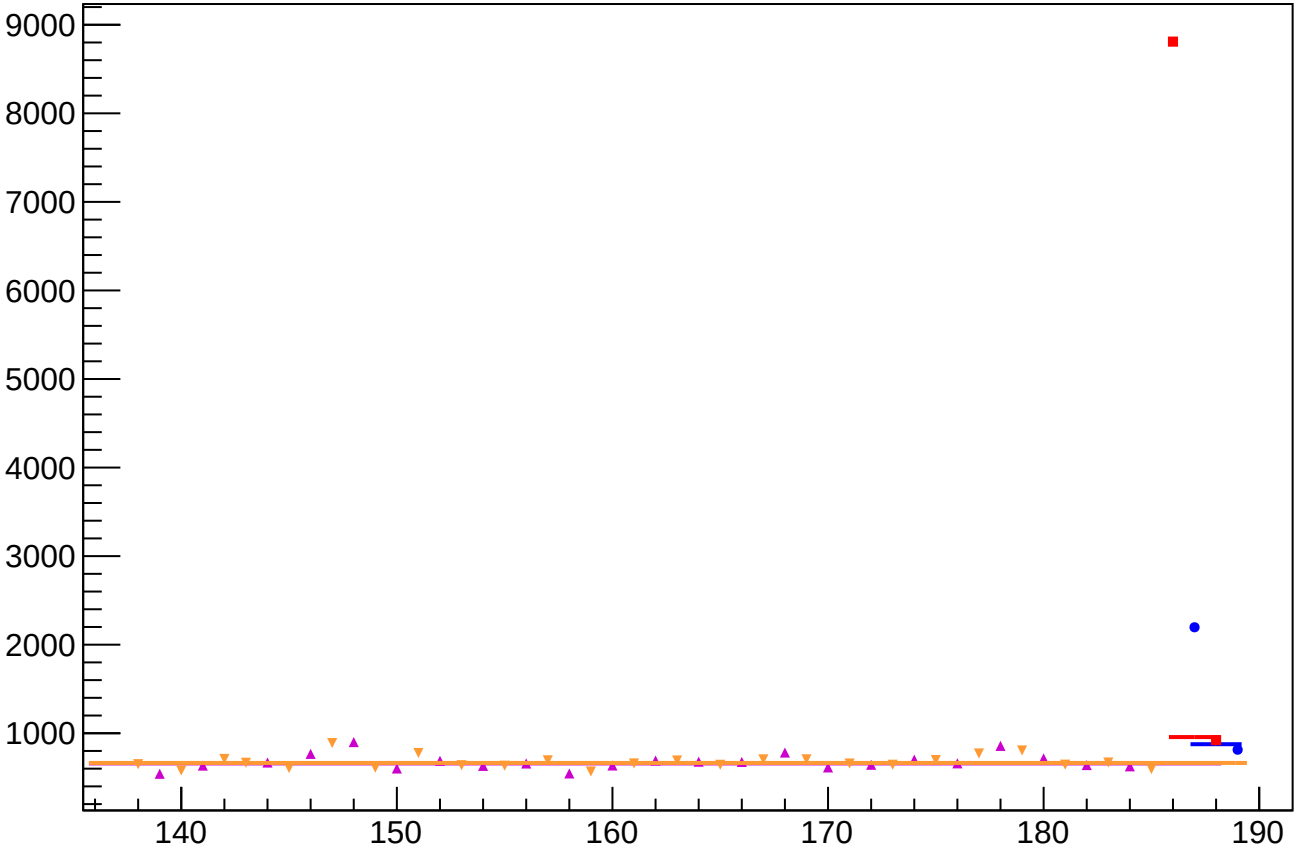
Left In: 11.243+/-158.497 $\chi^2$/NDF:38.8/22

+ sign -351.394+/-155.007 $\chi^2$/NDF: 19.3/26

All: -166.315+/-110.157 $\chi^2$/NDF: 63.2/51

- sign 22.526+/-156.575 $\chi^2$/NDF: 41.0/24

# asym_sam_15_dd_rms vs Slug




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

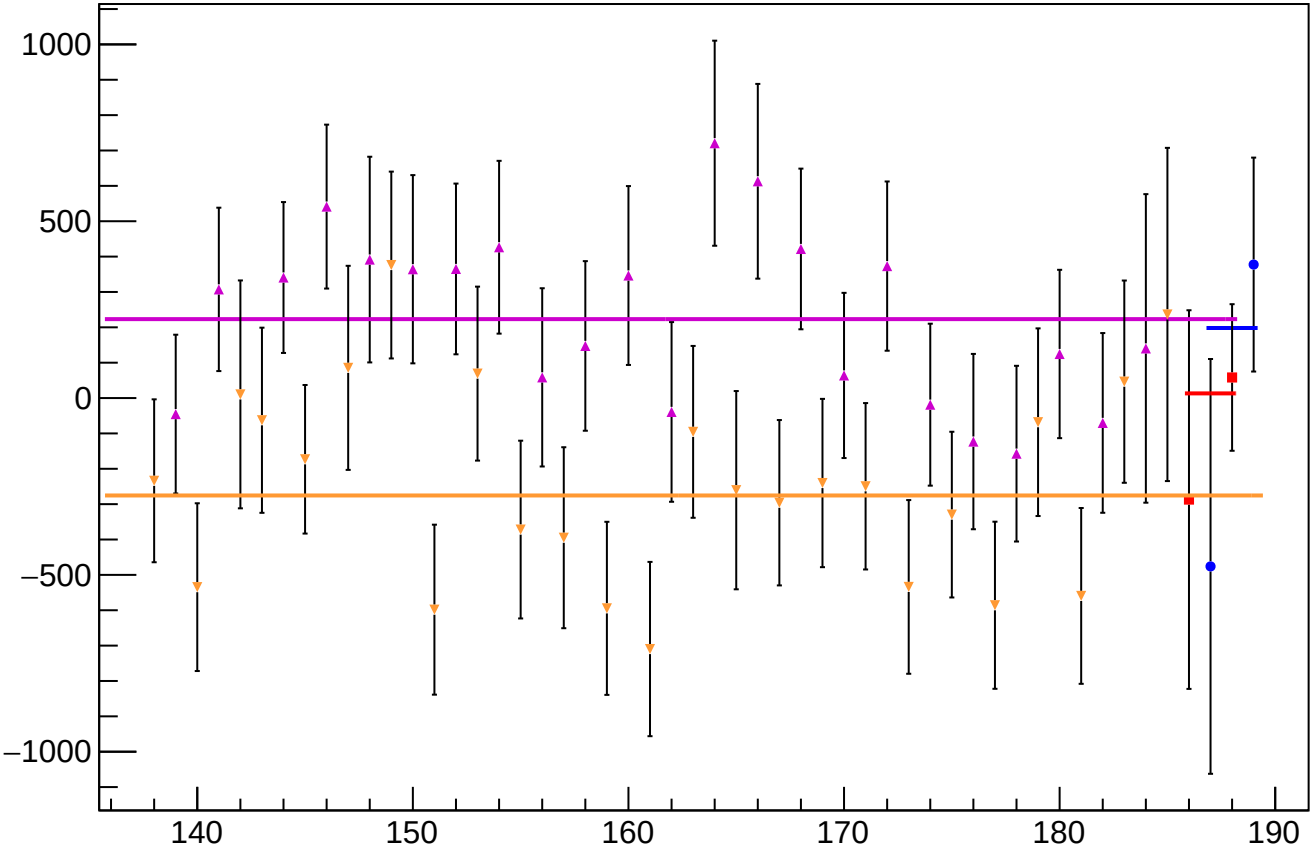
Left In: 659.230+/-0.112 $\chi^2$/NDF:472744.9/22

+ sign 668.108+/-0.110 $\chi^2$/NDF: 530101.7/26

All: 667.265+/-0.078 $\chi^2$/NDF: 1707503.8/51

- sign 666.405+/-0.111 $\chi^2$/NDF: 1177282.7/24

# dit_asym_sam_26_dd_mean vs Slug




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

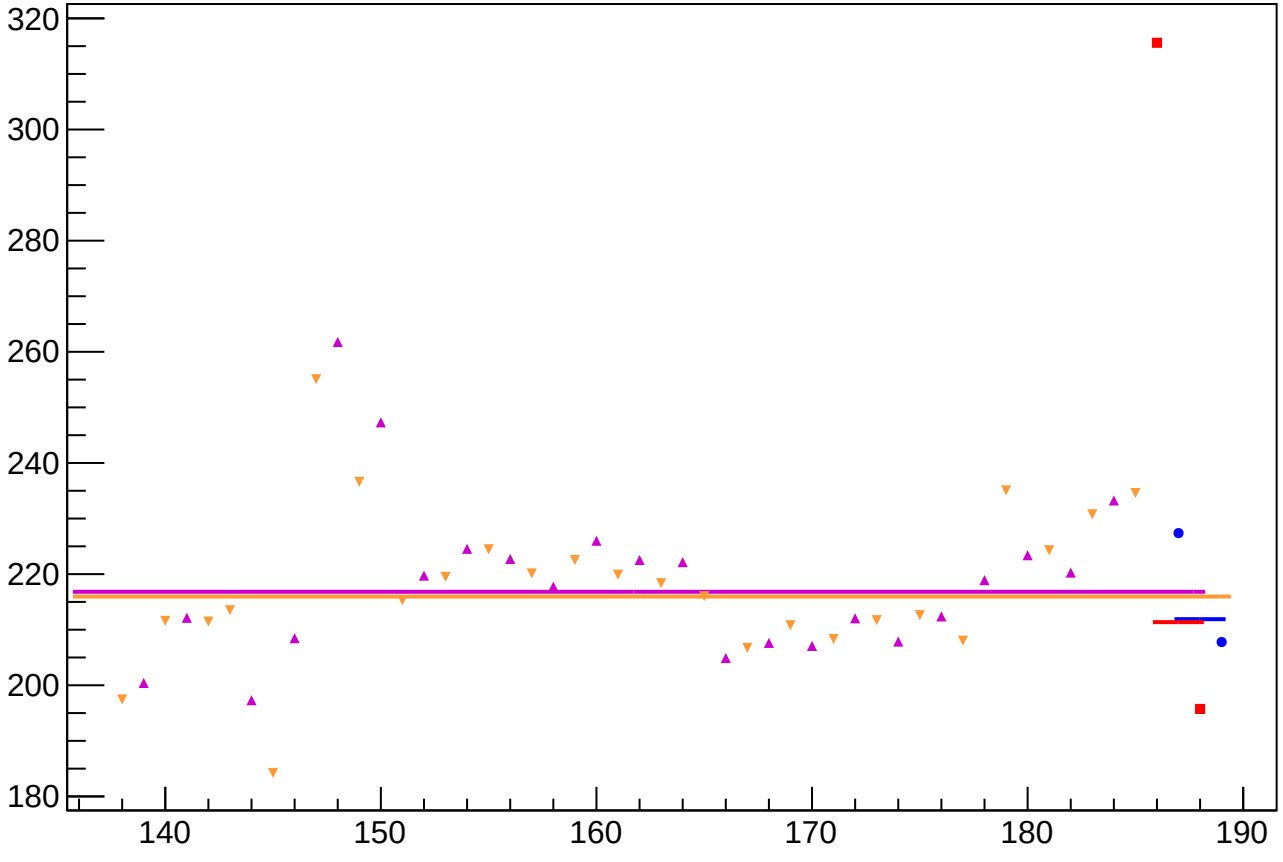
Left In: 223.195+/-51.742 $\chi^2$/NDF:20.8/22

+ sign -259.279+/-49.669 $\chi^2$/NDF: 32.0/26

All: -26.533+/-35.231 $\chi^2$/NDF: 98.4/51

- sign 209.149+/-49.981 $\chi^2$/NDF: 22.2/24

# dit_asym_sam_26_dd_rms vs Slug




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

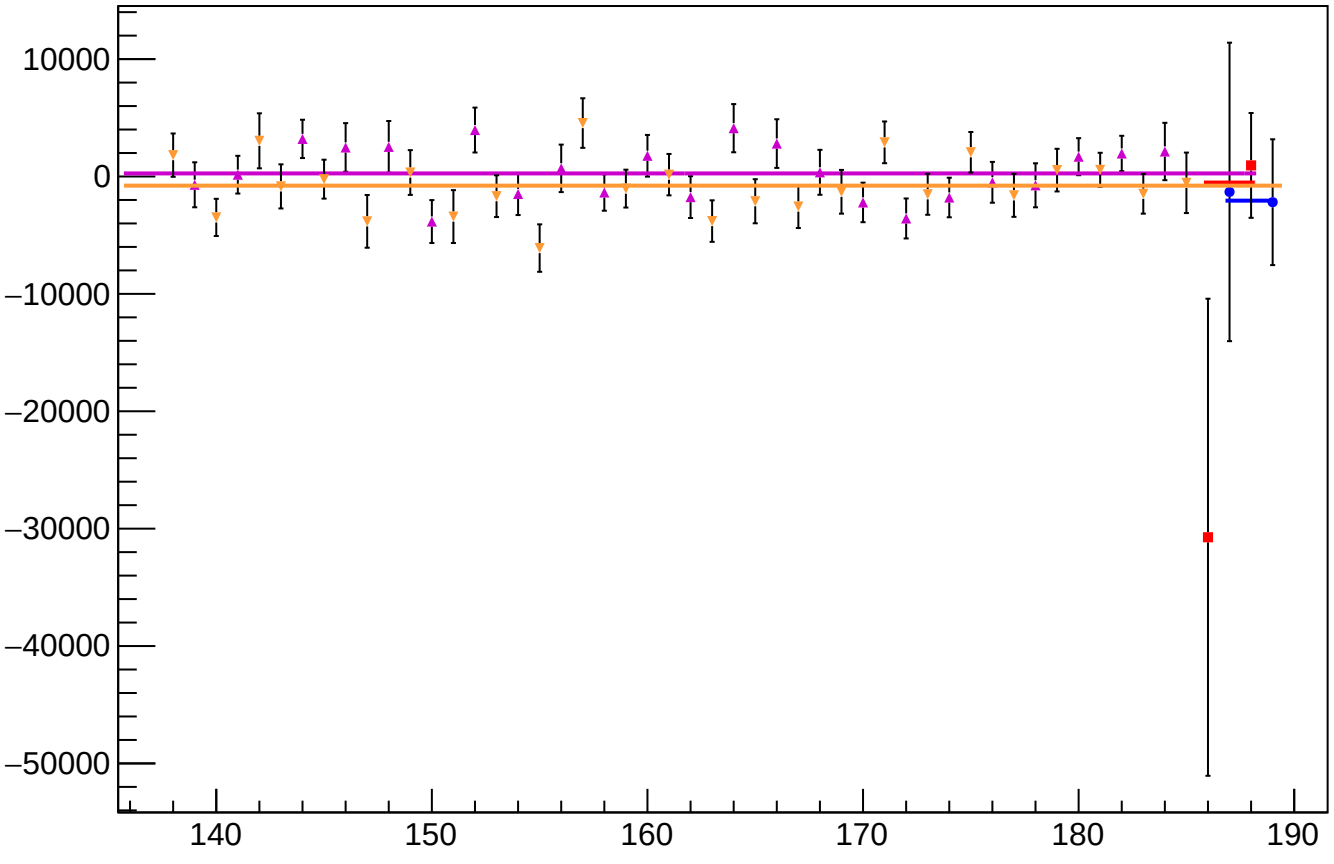
Left In: 216.821+/-0.037 $\chi^2$/NDF:132518.8/22

+ sign 215.824+/-0.035 $\chi^2$/NDF: 146943.7/26

All: 216.138+/-0.025 $\chi^2$/NDF: 368312.4/51

- sign 216.456+/-0.035 $\chi^2$/NDF: 221207.9/24

# asym_sam_26_dd_correction_mean vs Slug




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

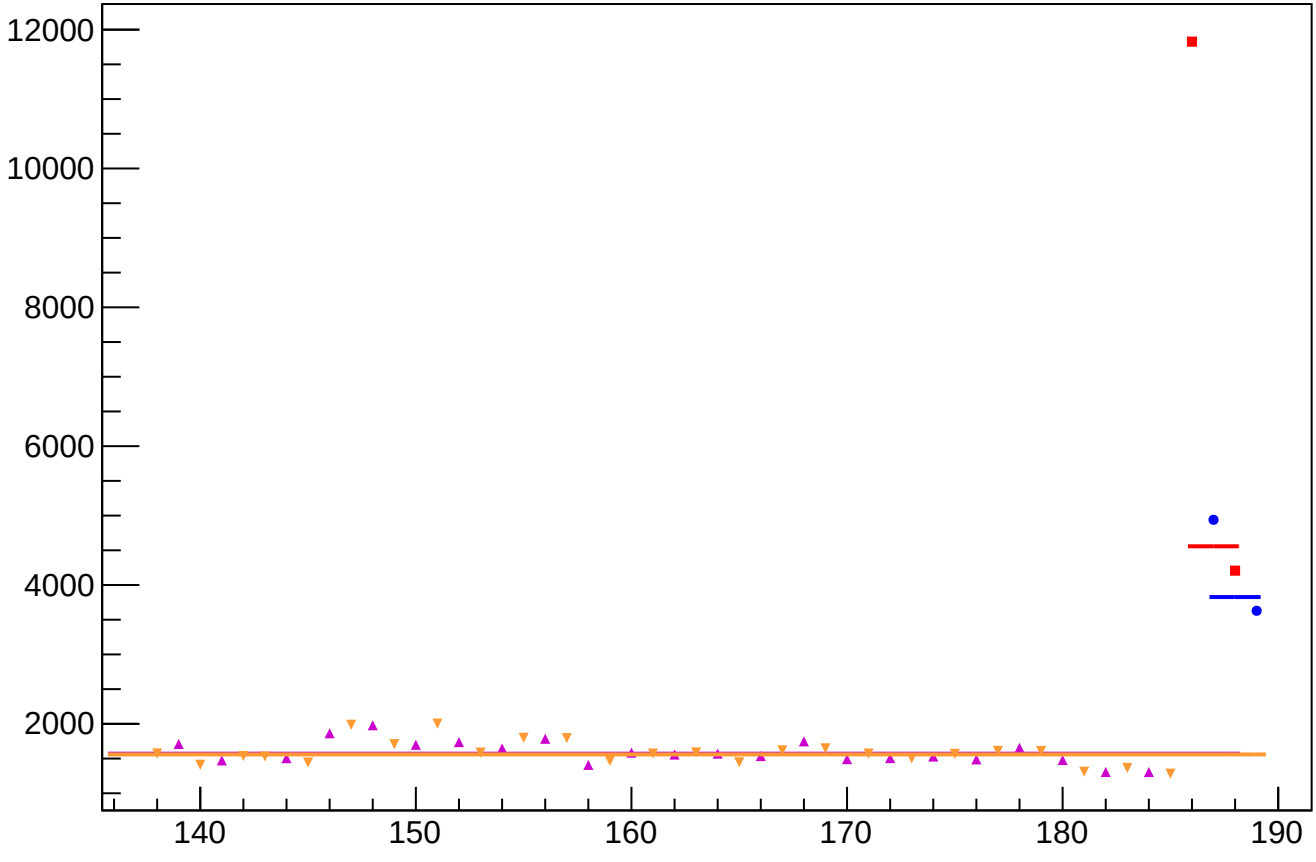
Left In: 261.815+/-376.203 $\chi^2$/NDF:35.4/22

+ sign -786.166+/-365.956 $\chi^2$/NDF: 38.5/26

All: -277.503+/-261.844 $\chi^2$/NDF: 80.3/51

- sign 256.073+/-374.811 $\chi^2$/NDF: 37.8/24

# asym_sam_26_dd_correction_rms vs Slug




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

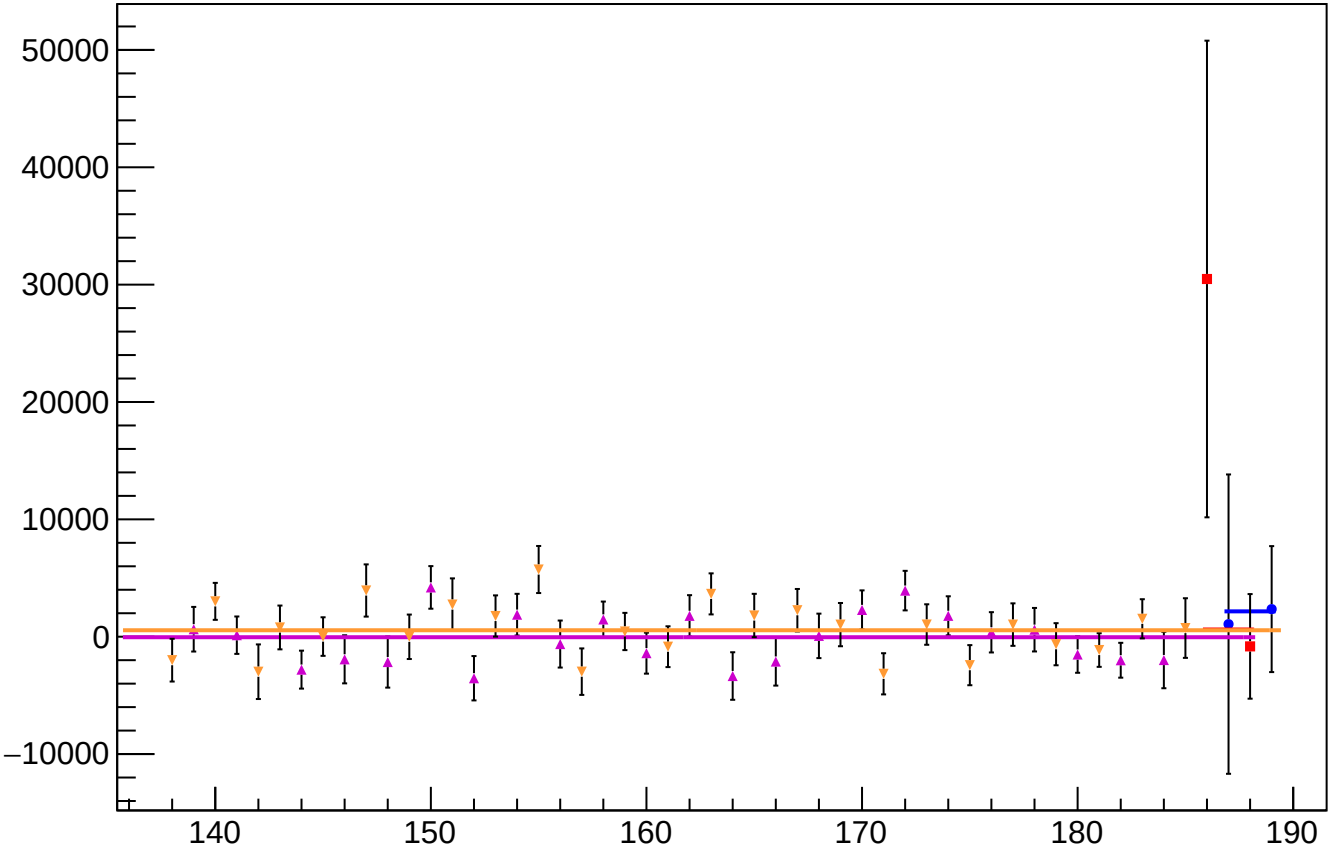
Left In: 1570.331+/-0.266 $\chi^2$/NDF:329434.5/22

+ sign 1571.952+/-0.259 $\chi^2$/NDF: 816313.1/26

All: 1581.930+/-0.185 $\chi^2$/NDF: 2348606.2/51

- sign 1592.396+/-0.265 $\chi^2$/NDF: 1529246.8/24

# asym_sam_26_dd_mean vs Slug




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

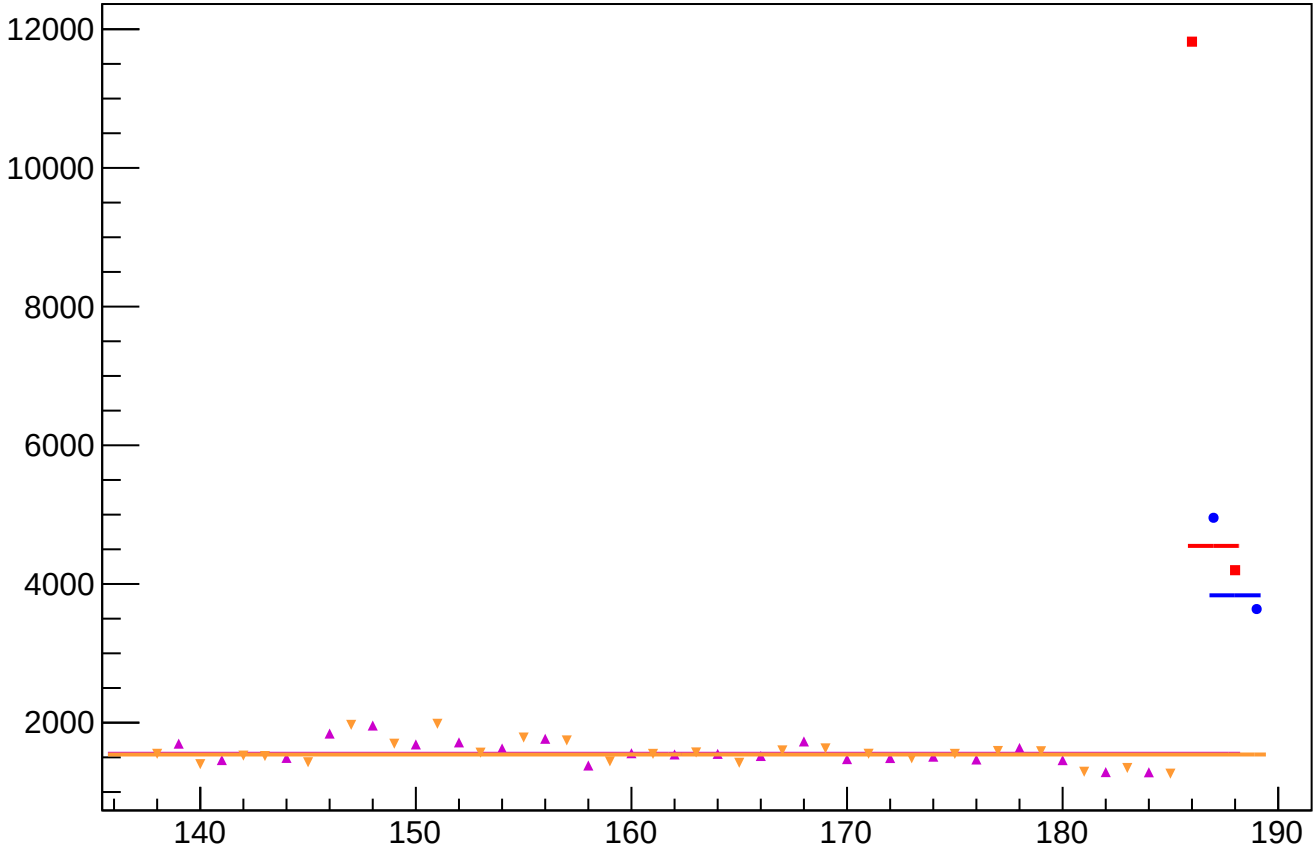
Left In: -43.949+/-371.765 $\chi^2$/NDF:33.5/22

+ sign 558.673+/-361.205 $\chi^2$/NDF: 35.7/26

All: 267.271+/-258.606 $\chi^2$/NDF: 72.8/51

- sign -39.184+/-370.417 $\chi^2$/NDF: 35.8/24

# asym_sam_26_dd_rms vs Slug




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

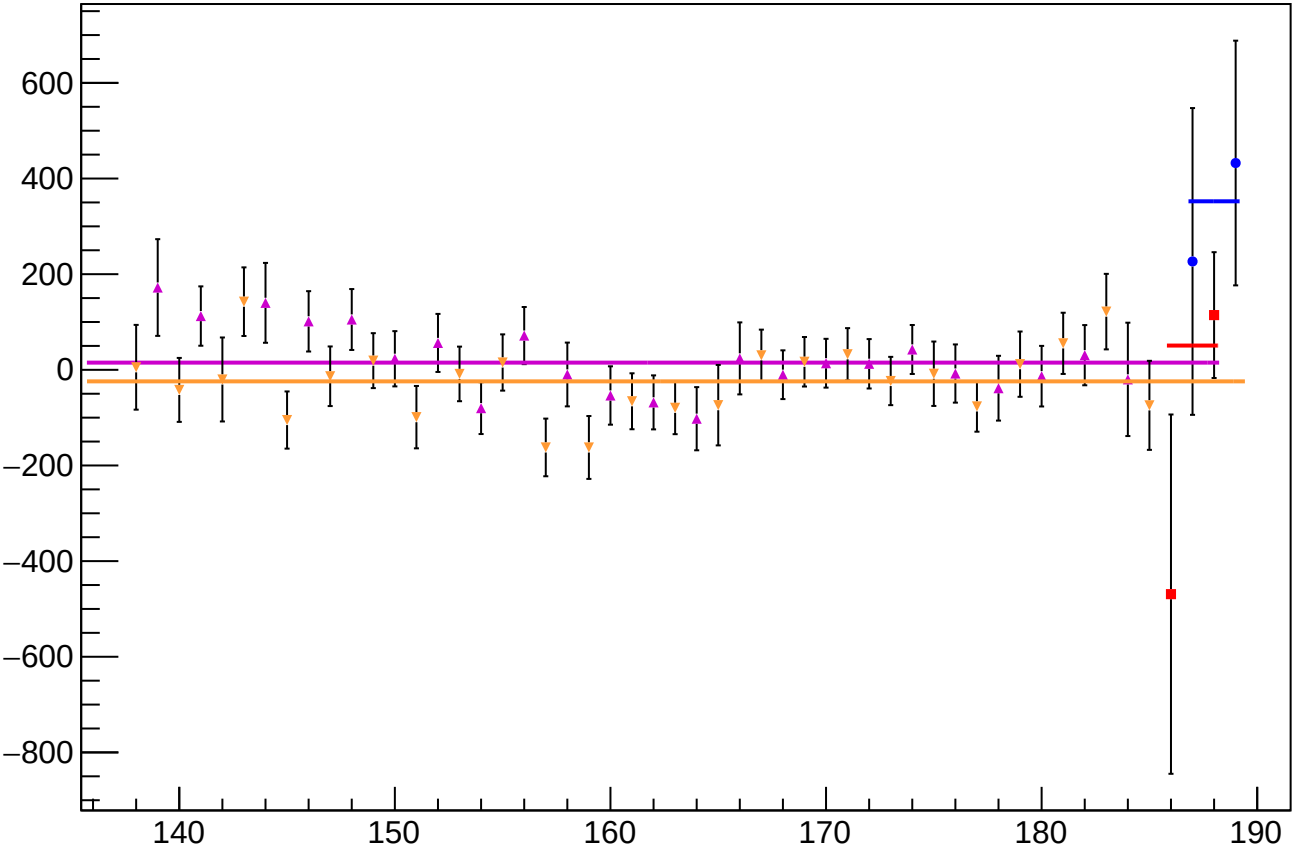
Left In: 1551.481+/-0.263 $\chi^2$/NDF:339002.9/22

+ sign 1553.386+/-0.255 $\chi^2$/NDF: 828491.4/26

All: 1563.035+/-0.183 $\chi^2$/NDF: 2380538.6/51

- sign 1573.181+/-0.262 $\chi^2$/NDF: 1549119.4/24

# dit_asym_sam_37_dd_mean vs Slug




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

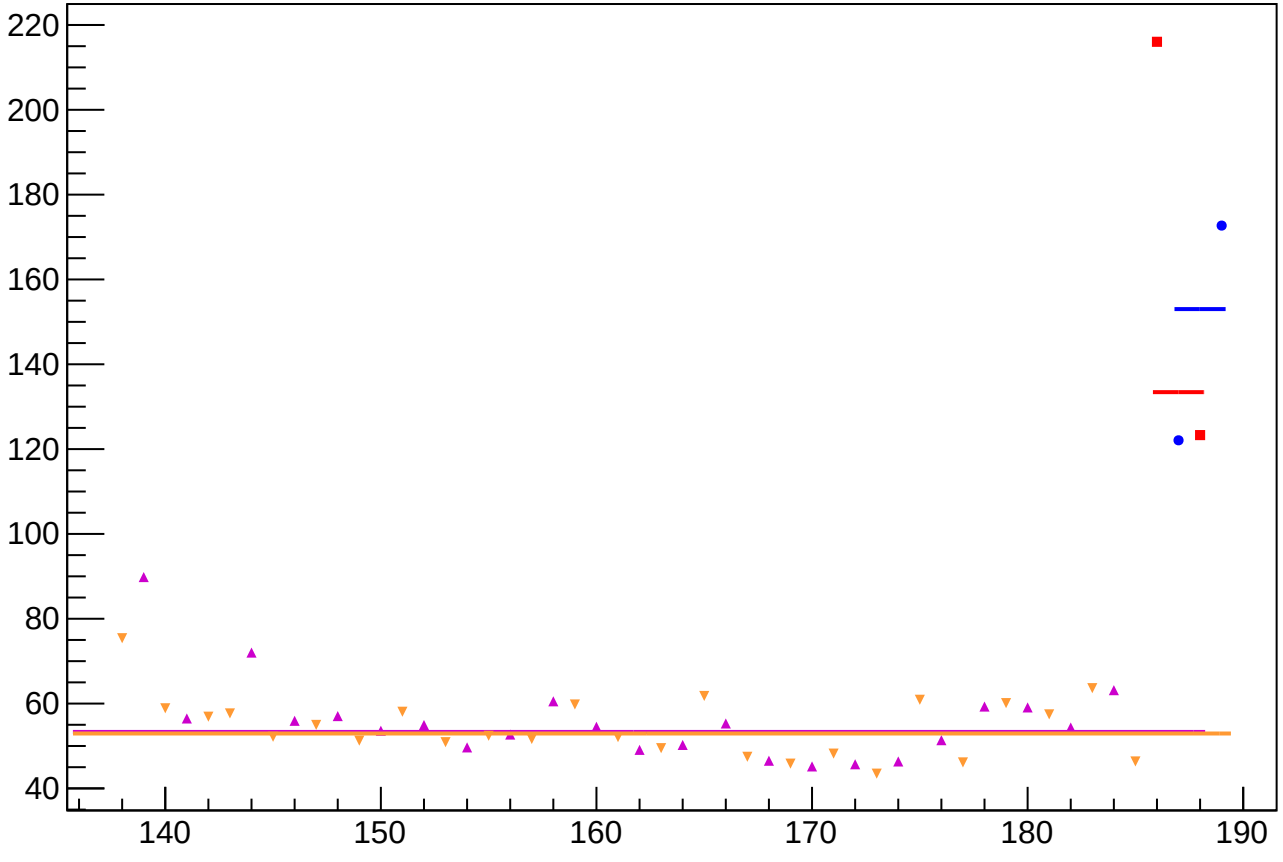
Left In: 15.058+/-12.921 $\chi^2$/NDF:23.8/22

+ sign -22.655+/-12.500 $\chi^2$/NDF: 34.5/26

All: -4.135+/-8.961 $\chi^2$/NDF: 65.0/51

- sign 15.441+/-12.852 $\chi^2$/NDF: 26.1/24

# dit_asym_sam_37_dd_rms vs Slug




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

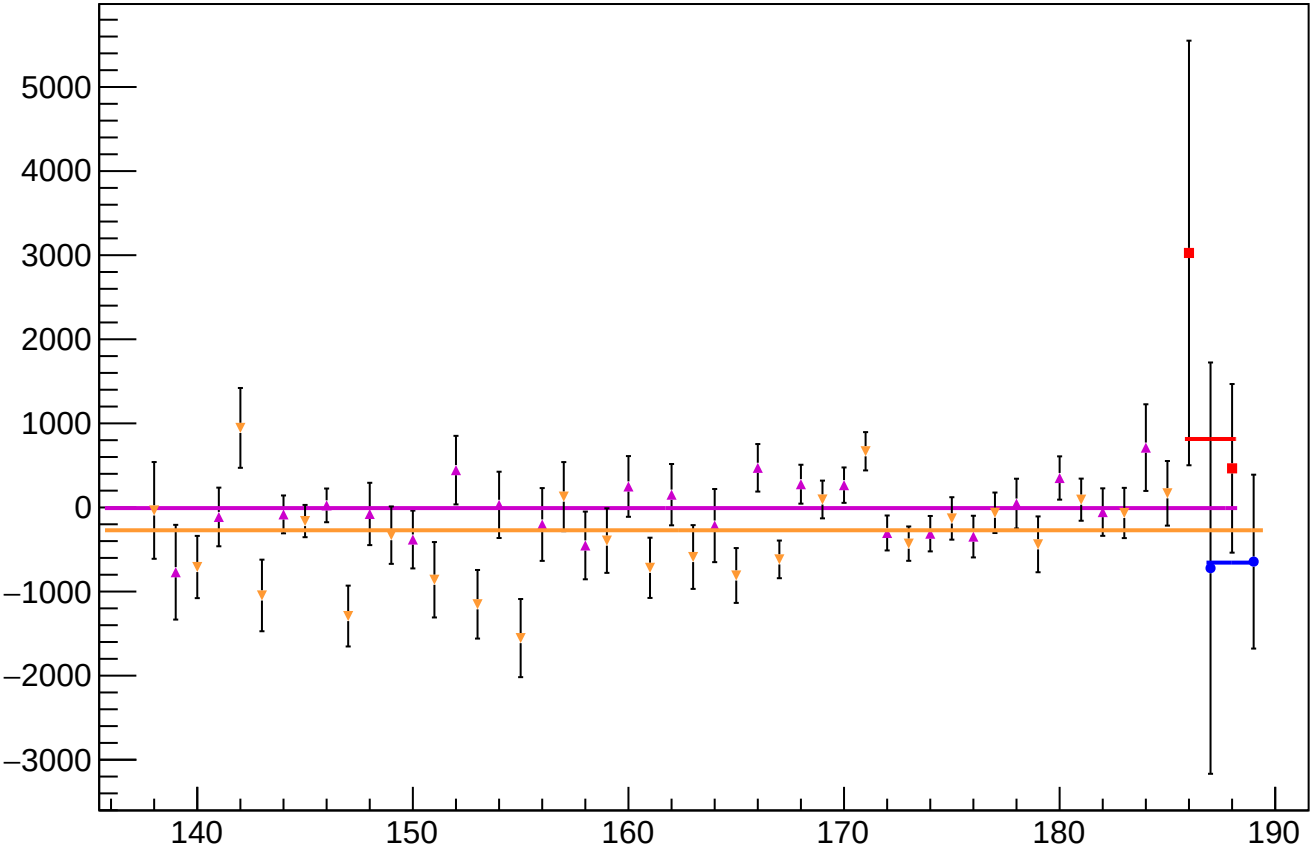
Left In: 53.312+/-0.009 $\chi^2$/NDF:644220.1/22

+ sign 53.333+/-0.009 $\chi^2$/NDF: 1042309.2/26

All: 53.740+/-0.006 $\chi^2$/NDF: 2623529.6/51

- sign 54.171+/-0.009 $\chi^2$/NDF: 1576853.7/24

# asym_sam_37_dd_correction_mean vs Slug




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

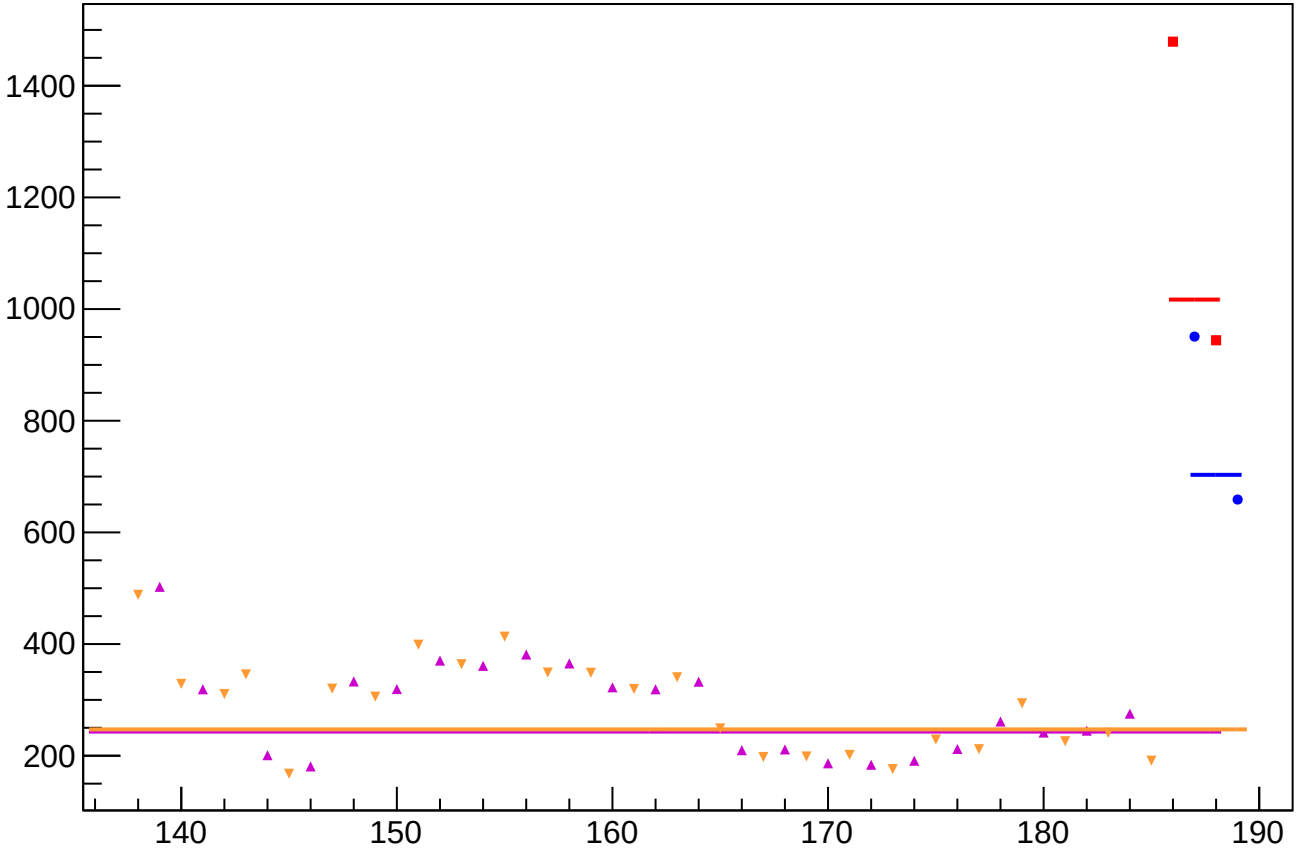
Left In: -7.535+/-60.328 $\chi^2$/NDF:22.9/22

+ sign -272.775+/-60.164 $\chi^2$/NDF: 67.8/26

All: -138.524+/-42.556 $\chi^2$/NDF: 102.3/51

- sign -4.105+/-60.202 $\chi^2$/NDF: 24.5/24

# asym_sam_37_dd_correction_rms vs Slug




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

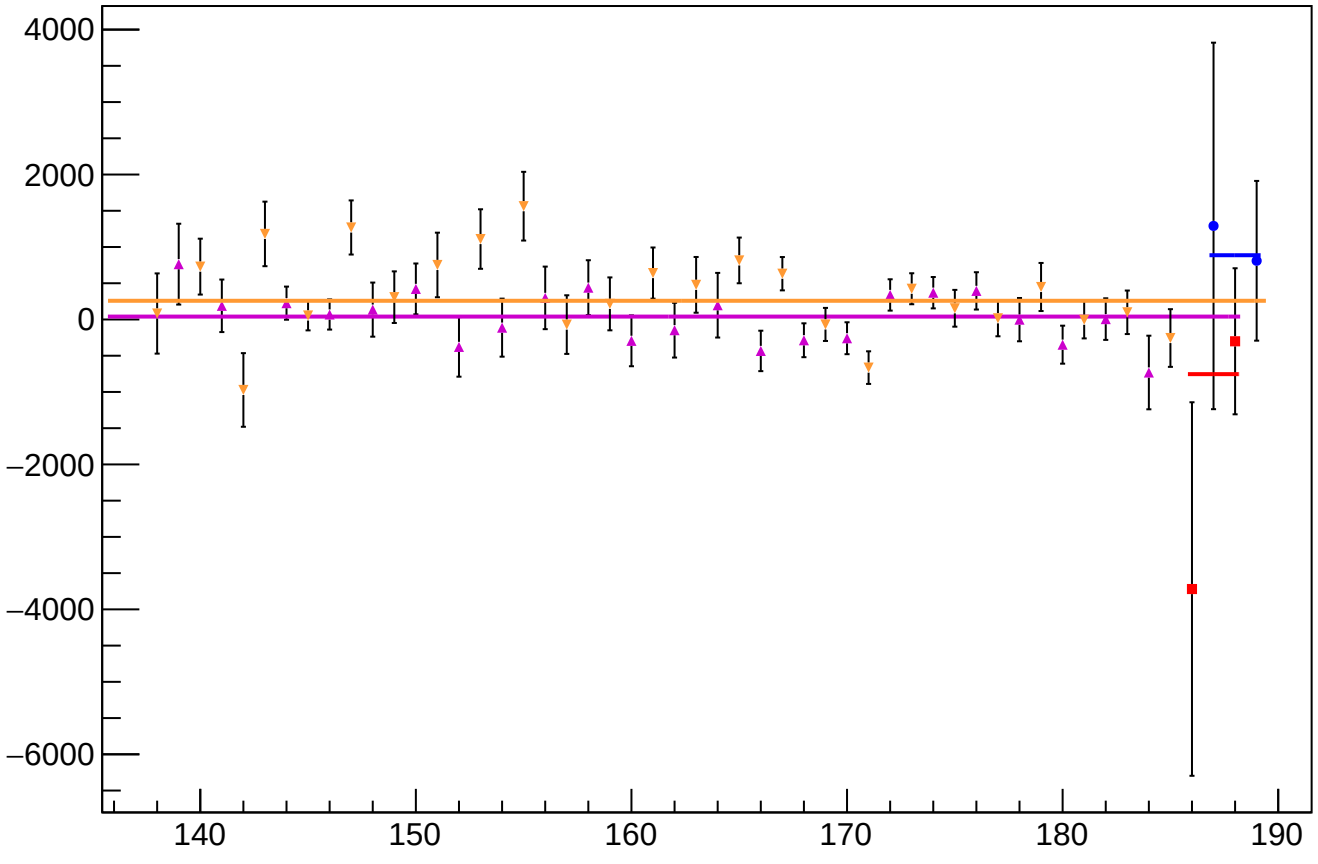
Left In: 243.189+/-0.043 $\chi^2$/NDF:2571190.8/22

+ sign 248.985+/-0.043 $\chi^2$/NDF: 3334091.6/26

All: 247.703+/-0.030 $\chi^2$/NDF: 7357899.8/51

- sign 246.418+/-0.043 $\chi^2$/NDF: 4021988.4/24

# asym_sam_37_dd_mean vs Slug




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

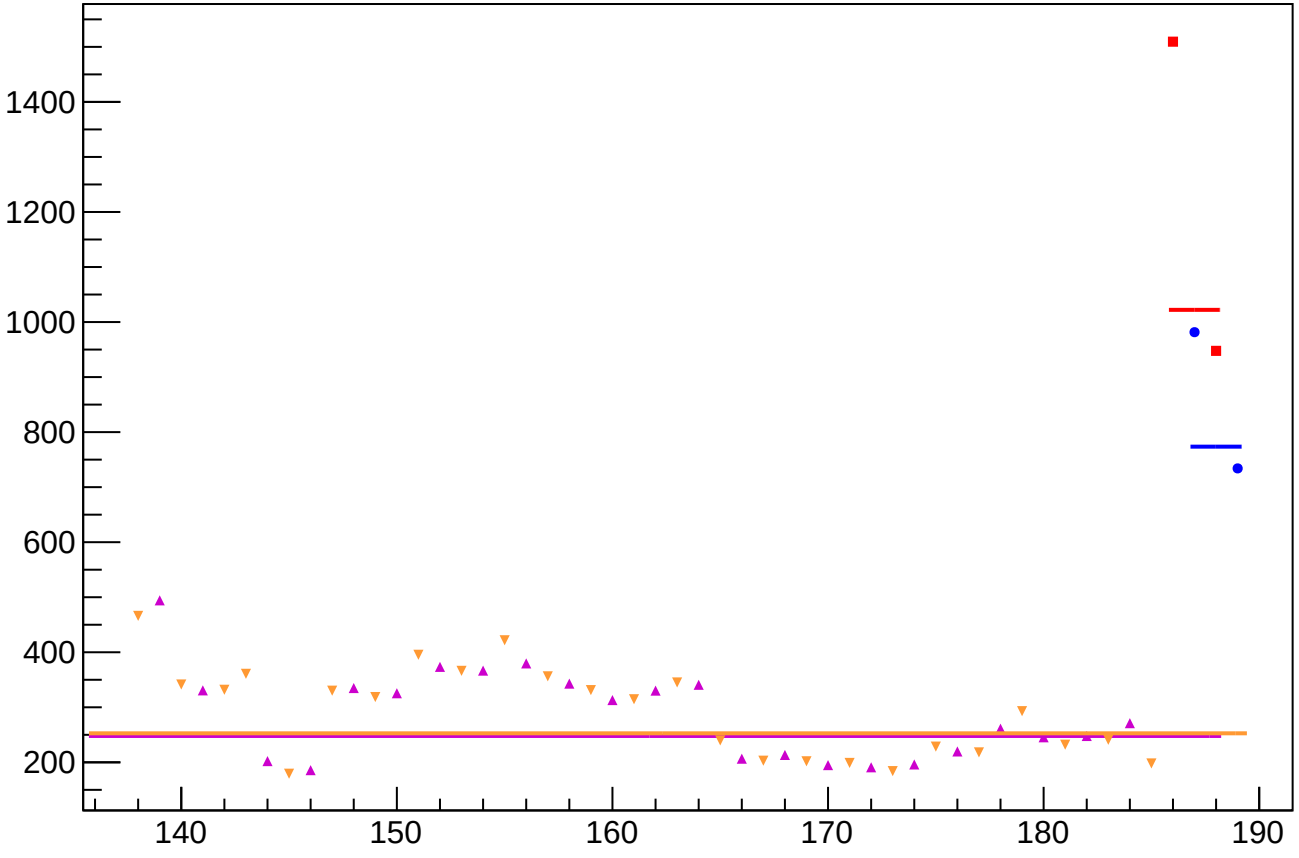
Left In: 40.015+/-61.495 $\chi^2$/NDF:25.0/22

+ sign 260.364+/-61.374 $\chi^2$/NDF: 65.4/26

All: 148.473+/-43.394 $\chi^2$/NDF: 99.3/51

- sign 36.620+/-61.364 $\chi^2$/NDF: 27.3/24

# asym_sam_37_dd_rms vs Slug




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

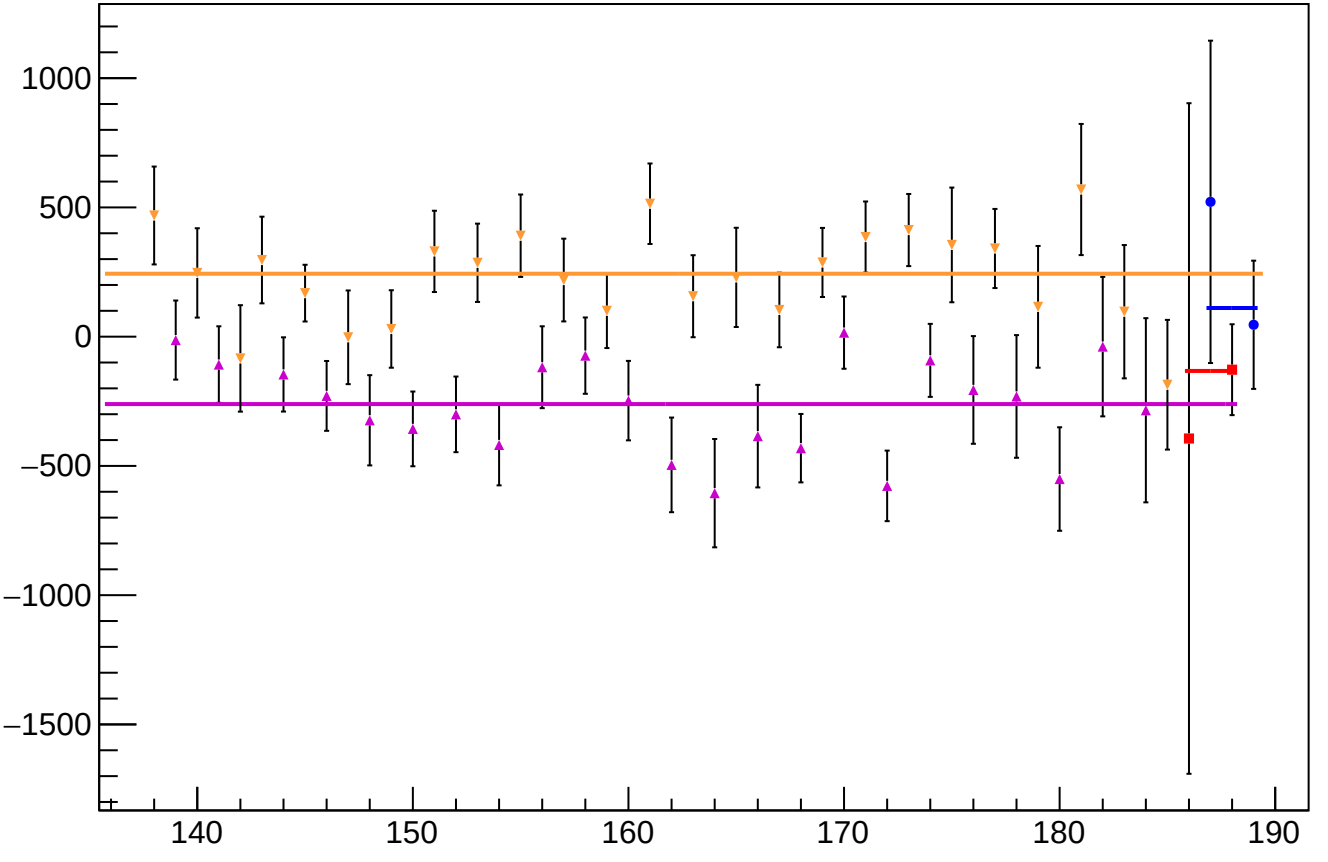
Left In: 247.919+/-0.043 $\chi^2$/NDF:2374698.8/22

+ sign 254.643+/-0.043 $\chi^2$/NDF: 3194605.7/26

All: 252.936+/-0.031 $\chi^2$/NDF: 7010183.0/51

- sign 251.229+/-0.043 $\chi^2$/NDF: 3812481.5/24

# dit_asym_sam_48_dd_mean vs Slug




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

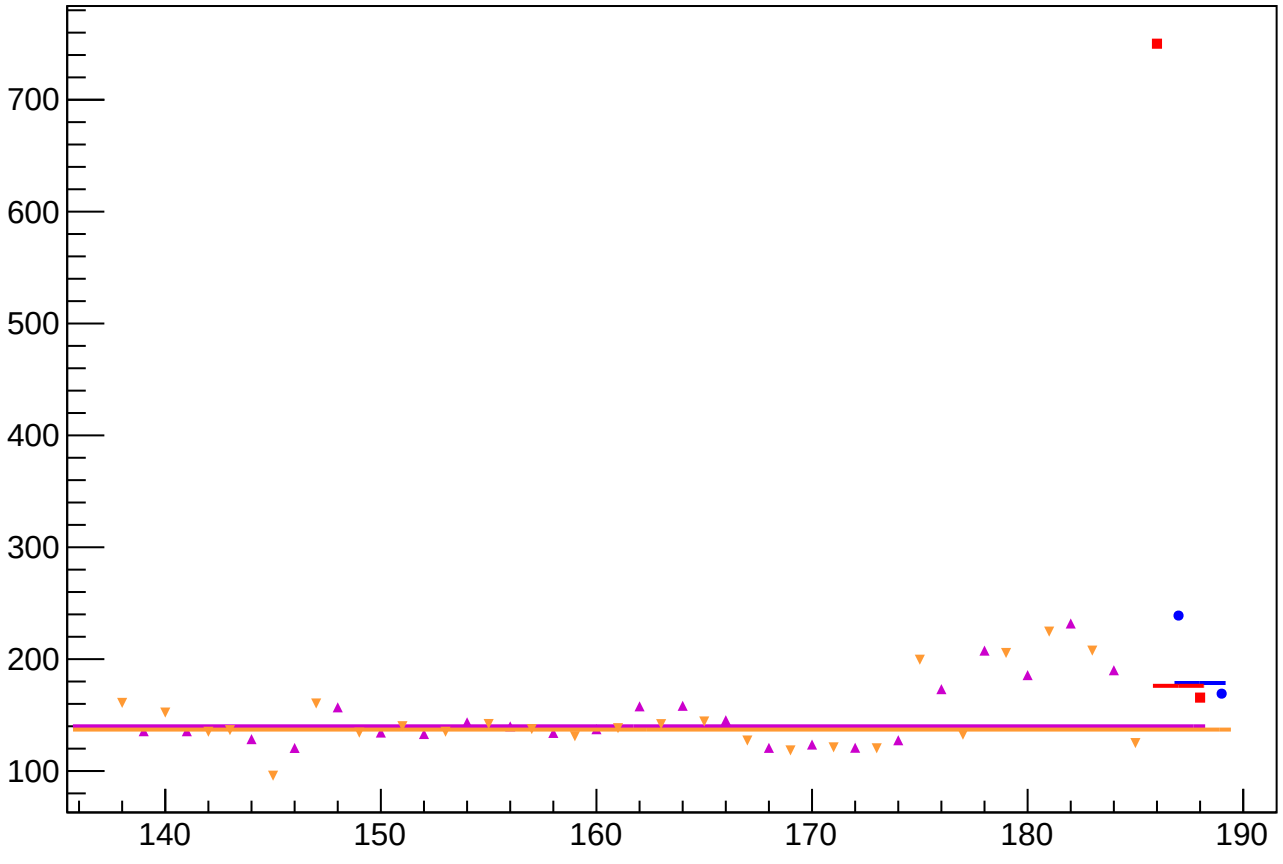
Left In: -260.749+/-33.988 $\chi^2$/NDF:28.5/22

+ sign 240.820+/-32.413 $\chi^2$/NDF: 24.2/26

All: -0.469+/-23.247 $\chi^2$/NDF: 167.4/51

- sign -256.049+/-33.359 $\chi^2$/NDF: 29.0/24

# dit_asym_sam_48_dd_rms vs Slug




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

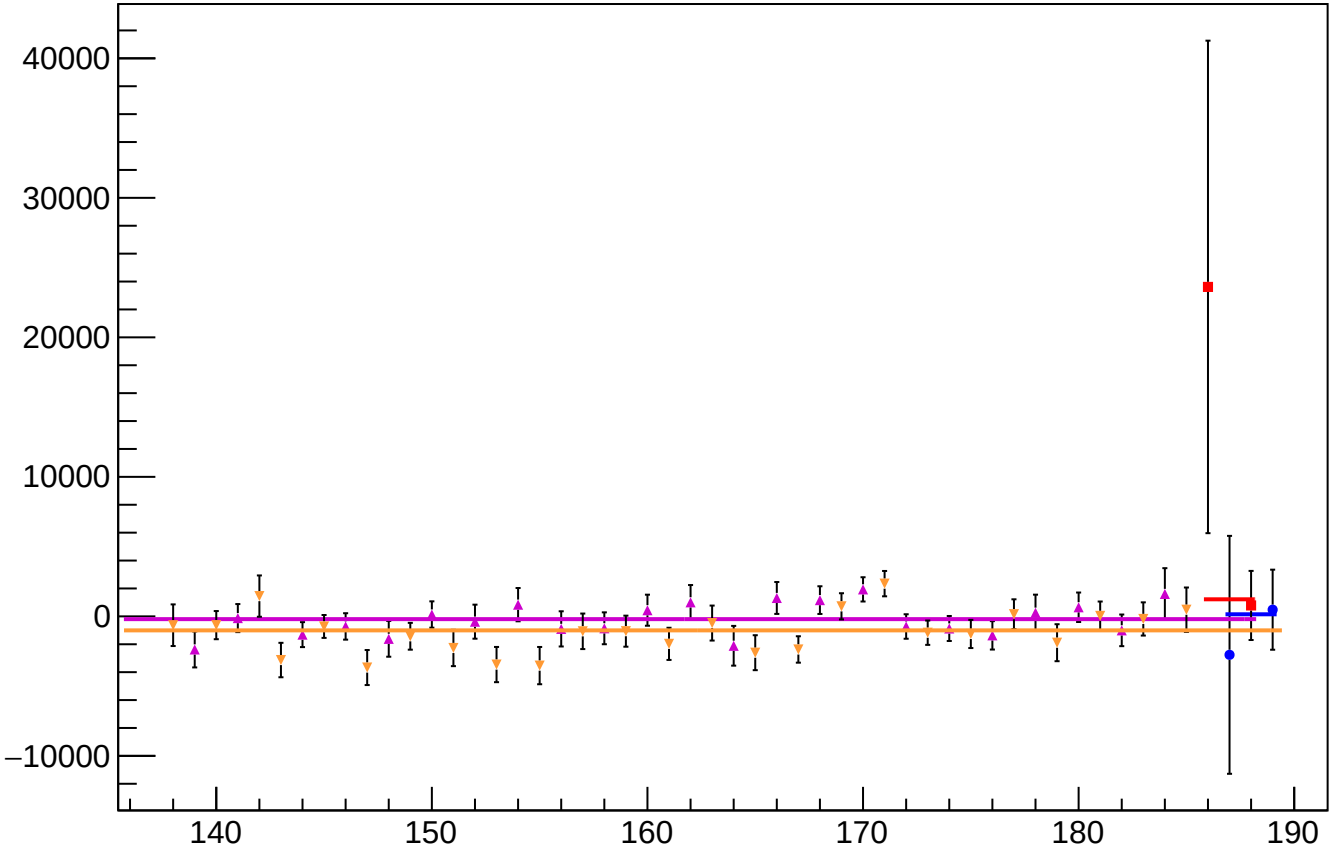
Left In: 139.966+/-0.024 $\chi^2$/NDF:838127.9/22

+ sign 137.859+/-0.023 $\chi^2$/NDF: 1286027.3/26

All: 139.527+/-0.016 $\chi^2$/NDF: 2617022.2/51

- sign 141.293+/-0.024 $\chi^2$/NDF: 1320095.5/24

# asym_sam_48_dd_correction_mean vs Slug




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

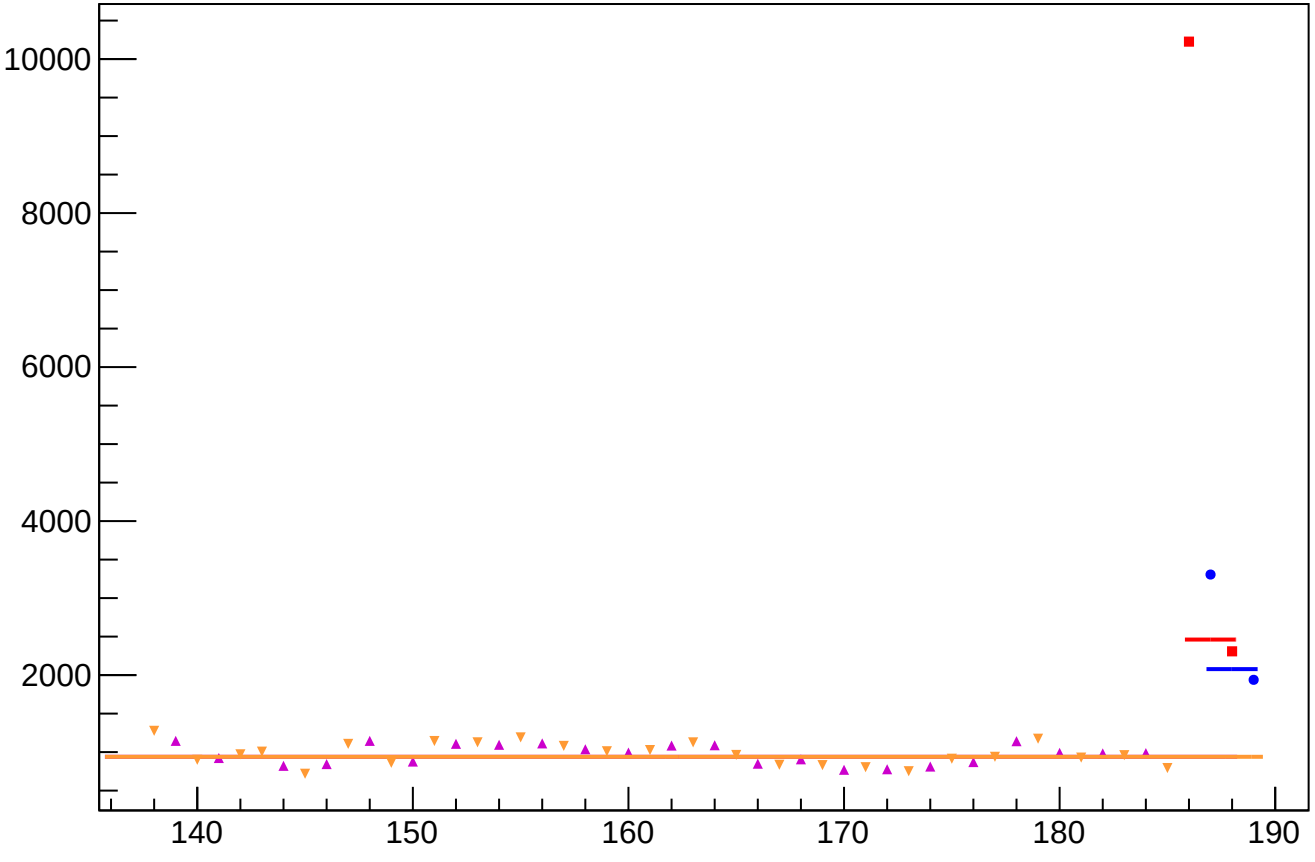
Left In: -198.654+/-225.997 $\chi^2$/NDF:24.6/22

+ sign -996.706+/-221.647 $\chi^2$/NDF: 45.0/26

All: -597.858+/-157.916 $\chi^2$/NDF: 78.2/51

- sign -186.691+/-225.044 $\chi^2$/NDF: 26.6/24

# asym_sam_48_dd_correction_rms vs Slug




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

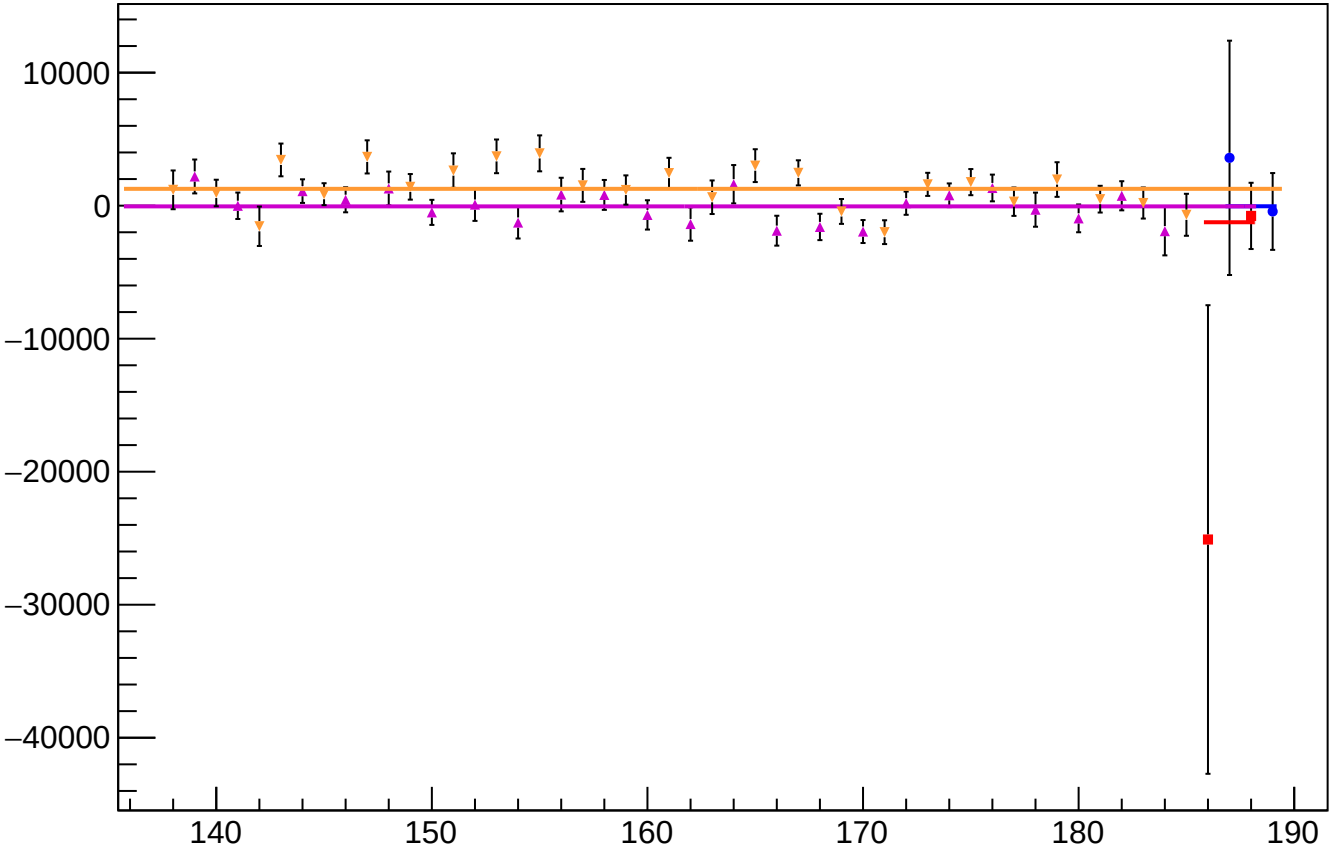
Left In: 938.755+/-0.160 $\chi^2$/NDF:611419.0/22

+ sign 946.552+/-0.157 $\chi^2$/NDF: 1222884.1/26

All: 949.024+/-0.112 $\chi^2$/NDF: 2993808.3/51

- sign 951.573+/-0.159 $\chi^2$/NDF: 1770418.7/24

# asym_sam_48_dd_mean vs Slug




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

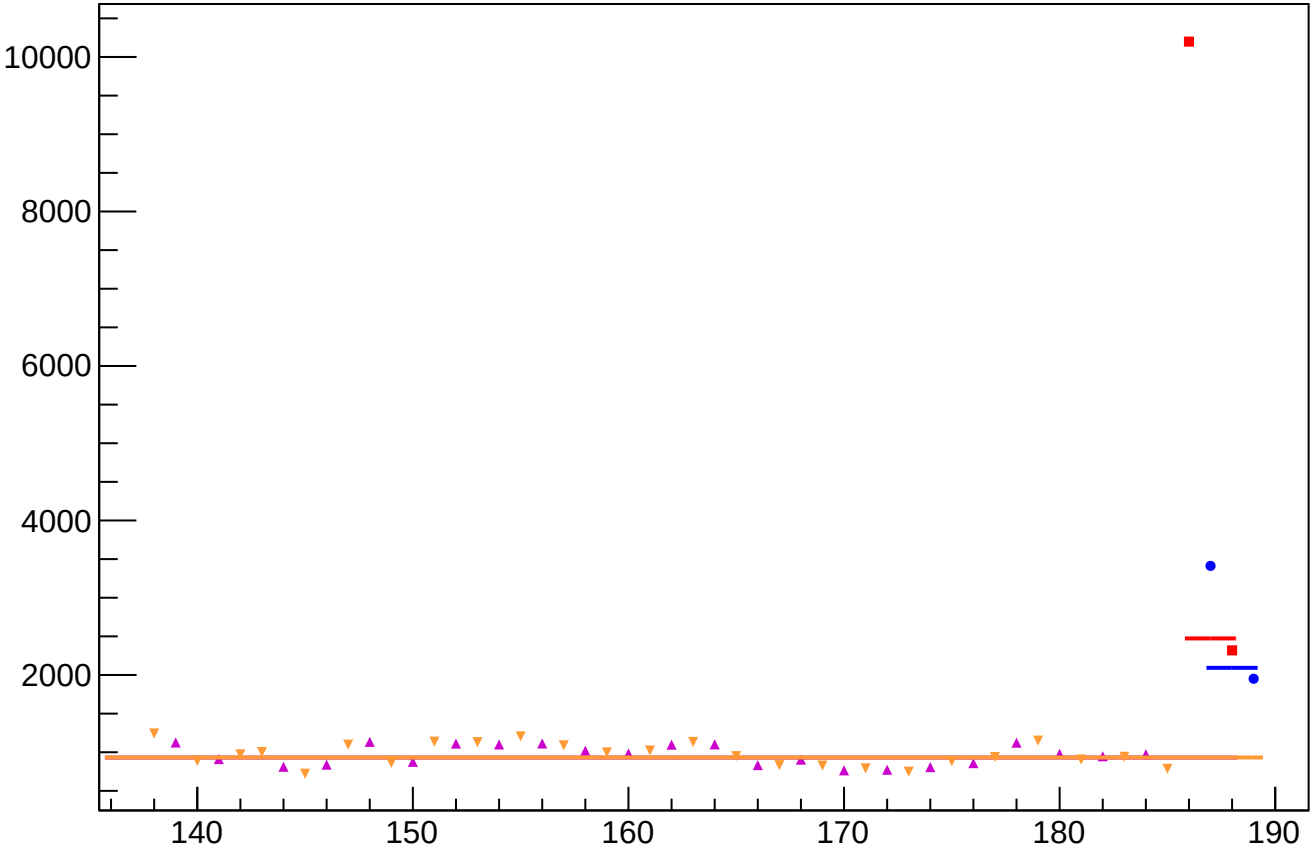
Left In: -53.940+/-224.371 $\chi^2$/NDF:26.4/22

+ sign 1256.522+/-219.916 $\chi^2$/NDF: 46.0/26

All: 606.909+/-156.738 $\chi^2$/NDF: 92.2/51

- sign -63.736+/-223.448 $\chi^2$/NDF: 28.5/24

# asym_sam_48_dd_rms vs Slug




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

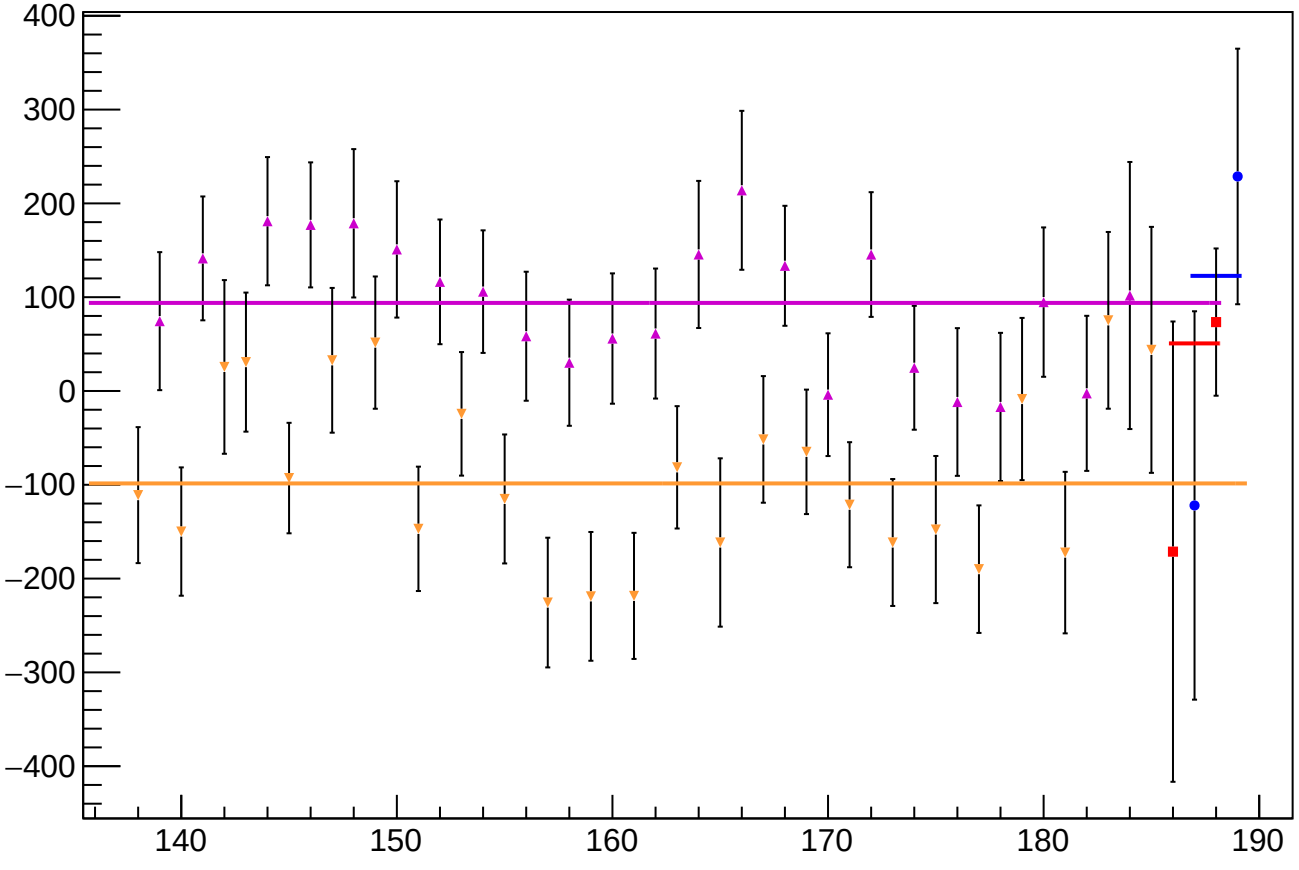
Left In: 930.854+/-0.159 $\chi^2$/NDF:621985.5/22

+ sign 939.627+/-0.156 $\chi^2$/NDF: 1233996.9/26

All: 941.543+/-0.111 $\chi^2$/NDF: 3025023.6/51

- sign 943.522+/-0.158 $\chi^2$/NDF: 1790717.9/24

# dit_asym_sam_13_57_dd_mean vs Slug




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

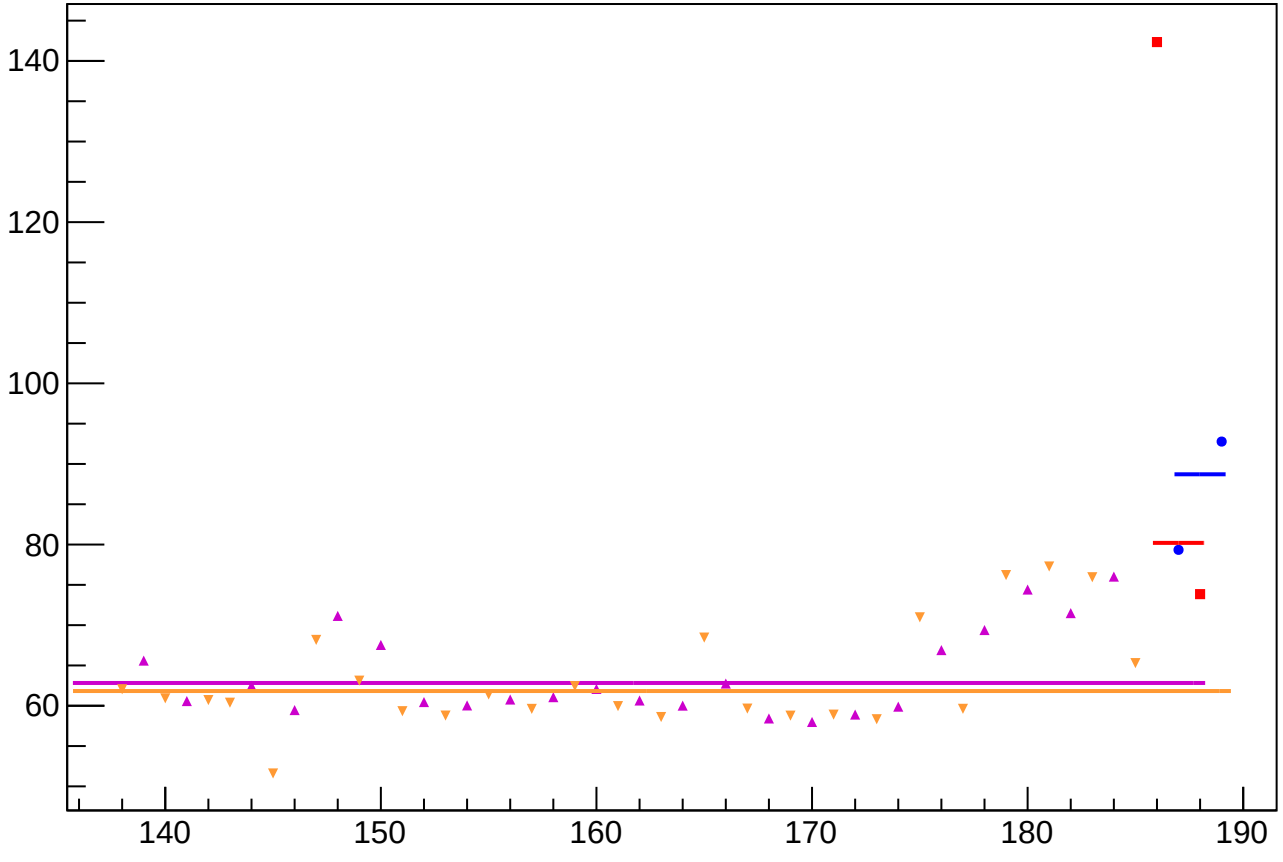
Left In: 93.899+/-15.039 $\chi^2$/NDF:19.3/22

+ sign -95.010+/-14.408 $\chi^2$/NDF: 41.0/26

All: -3.550+/-10.305 $\chi^2$/NDF: 143.9/51

- sign 92.220+/-14.744 $\chi^2$/NDF: 20.5/24

# dit_asym_sam_13_57_dd_rms vs Slug




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

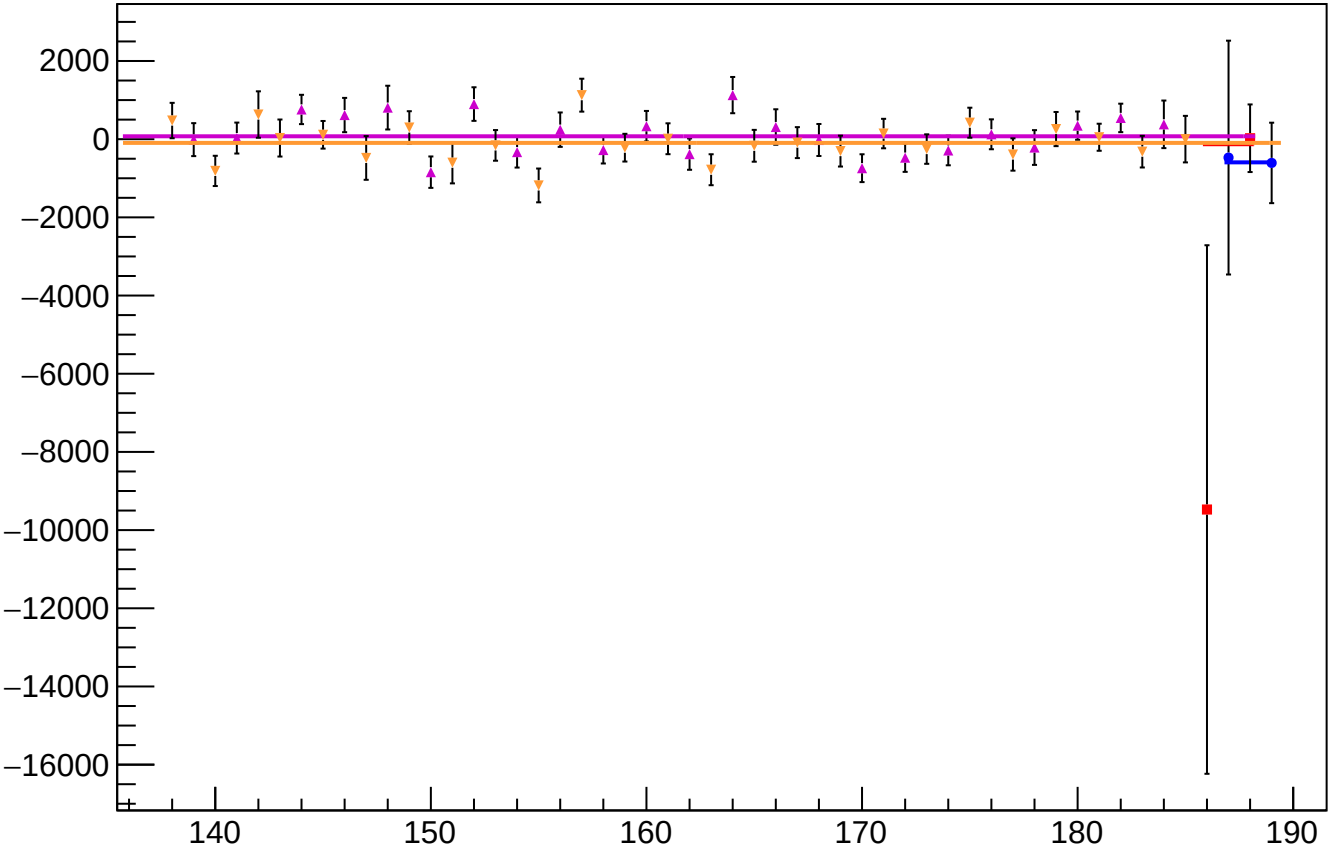
Left In: 62.827+/-0.011 $\chi^2$/NDF:187007.2/22

+ sign 62.258+/-0.010 $\chi^2$/NDF: 429318.7/26

All: 62.866+/-0.007 $\chi^2$/NDF: 868882.4/51

- sign 63.503+/-0.010 $\chi^2$/NDF: 432266.6/24

# asym_sam_13_57_dd_correction_mean vs Slug




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

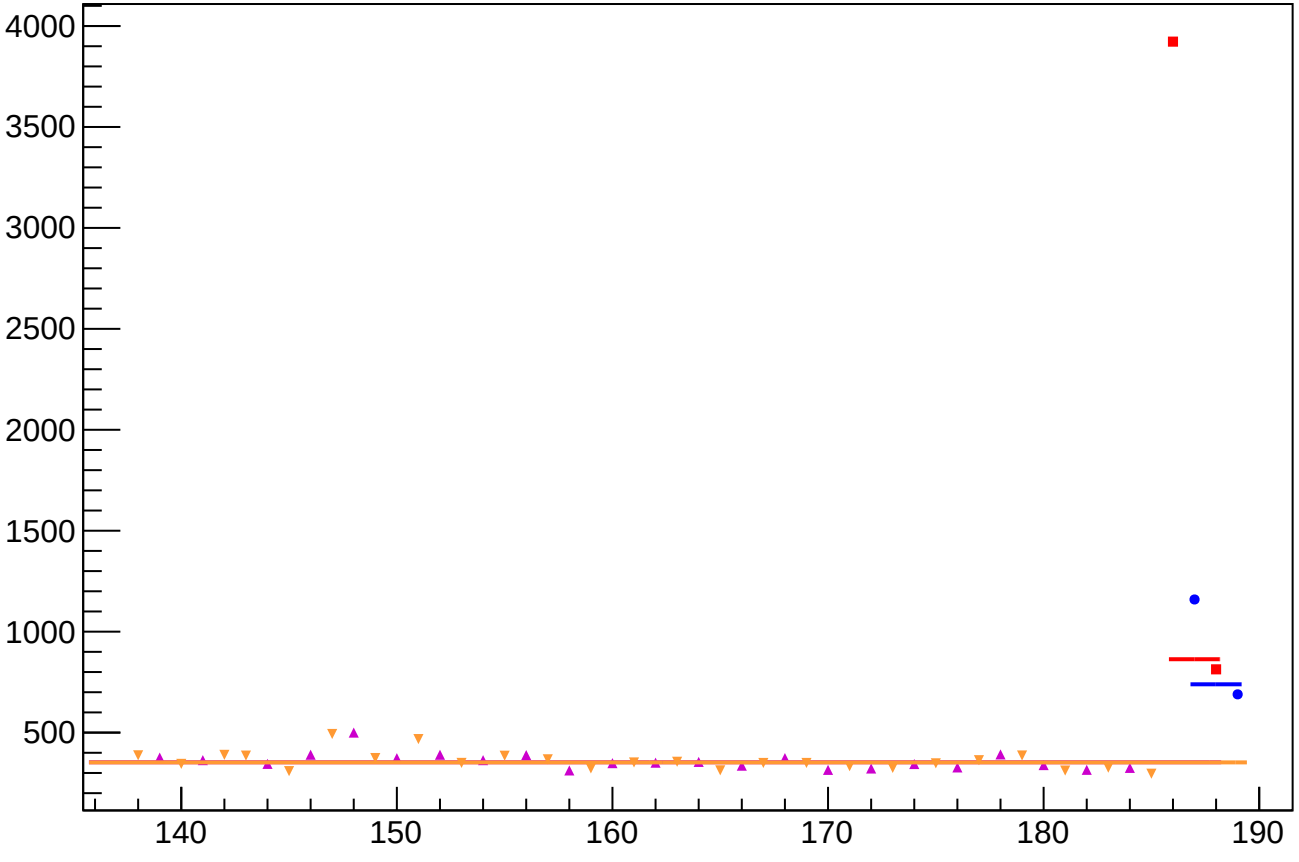
Left In: 73.914+/-84.652 $\chi^2$/NDF:36.4/22

+ sign -98.492+/-82.551 $\chi^2$/NDF: 31.8/26

All: -14.996+/-58.961 $\chi^2$/NDF: 72.3/51

- sign 71.957+/-84.243 $\chi^2$/NDF: 38.4/24

# asym_sam_13_57_dd_correction_rms vs Slug




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

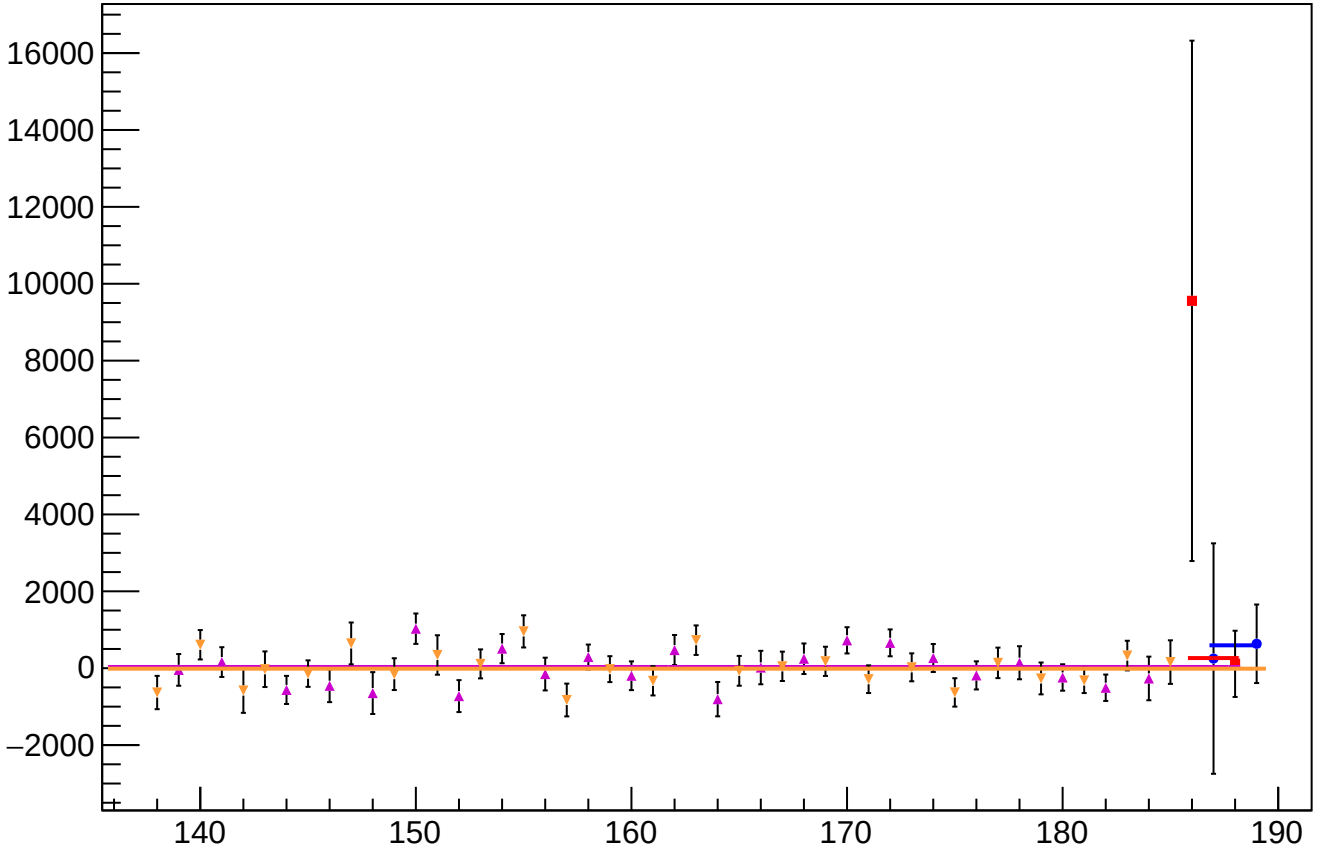
Left In: 353.197+/-0.060 $\chi^2$/NDF:321761.0/22

+ sign 355.187+/-0.058 $\chi^2$/NDF: 776495.2/26

All: 356.623+/-0.042 $\chi^2$/NDF: 2216646.8/51

- sign 358.119+/-0.060 $\chi^2$/NDF: 1438915.8/24

# asym_sam_13_57_dd_mean vs Slug




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

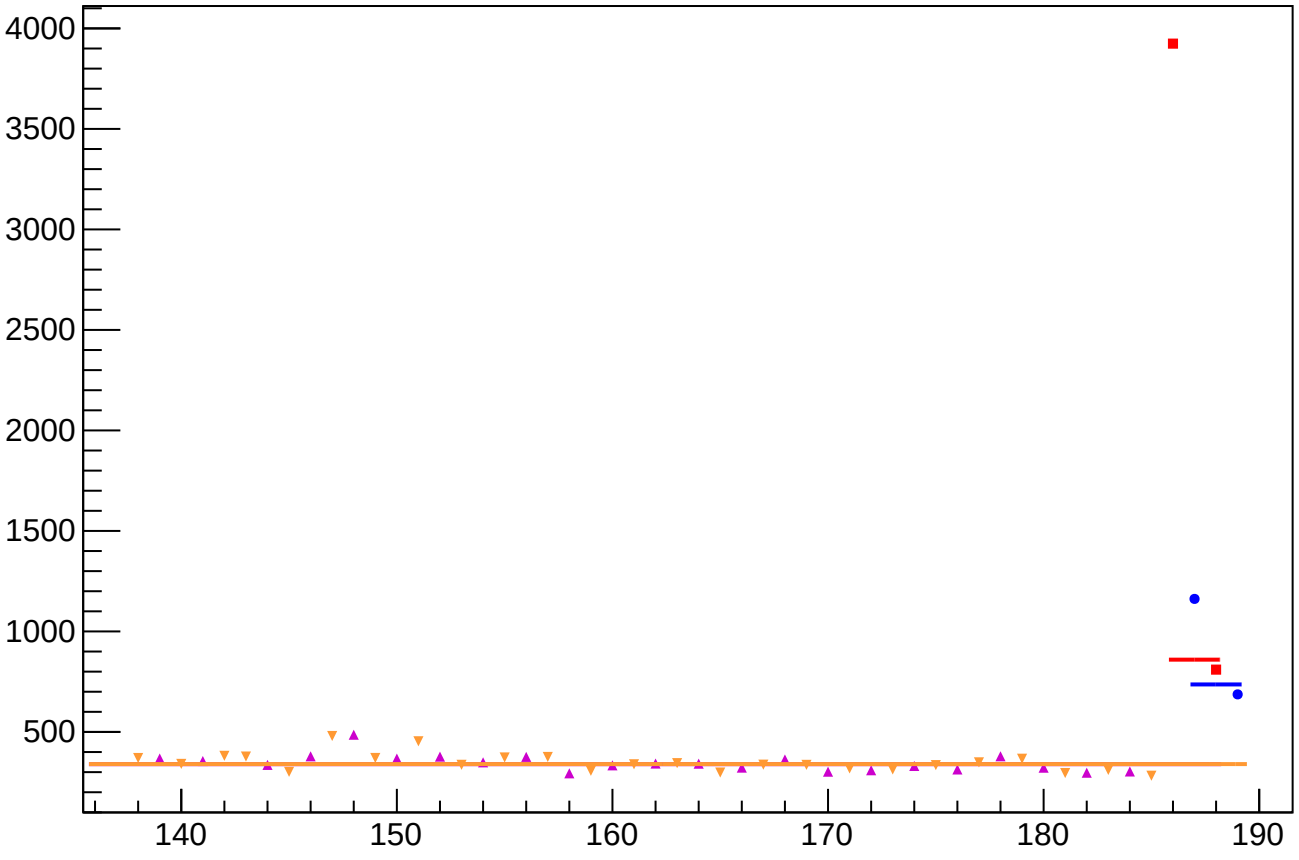
Left In: 31.531+/-81.476 $\chi^2$/NDF:34.8/22

+ sign -8.415+/-79.712 $\chi^2$/NDF: 27.8/26

All: 12.238+/-56.852 $\chi^2$/NDF: 64.7/51

- sign 33.621+/-81.108 $\chi^2$/NDF: 36.8/24

# asym_sam_13_57_dd_rms vs Slug




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

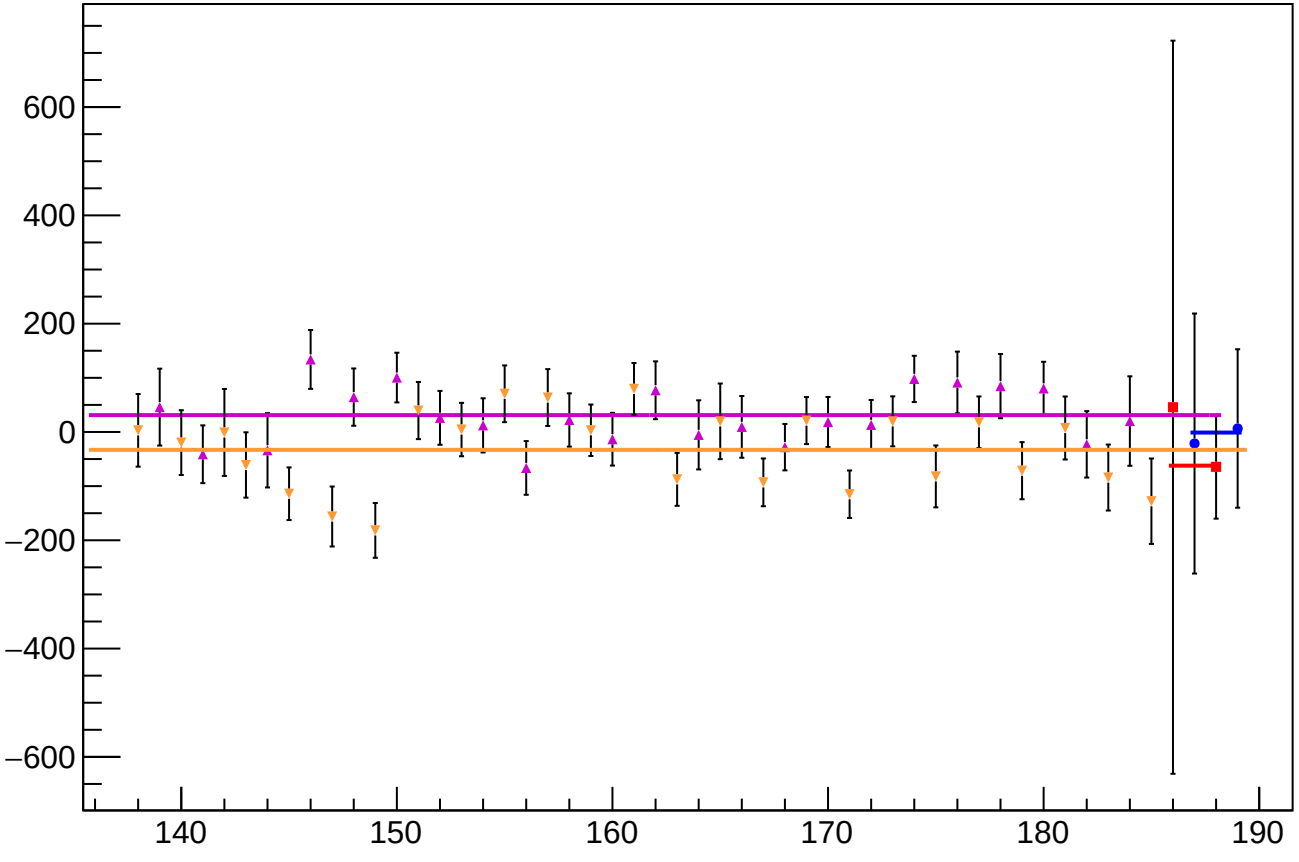
Left In: 339.571+/-0.058 $\chi^2$/NDF:377816.0/22

+ sign 342.712+/-0.056 $\chi^2$/NDF: 844037.0/26

All: 343.472+/-0.040 $\chi^2$/NDF: 2373497.2/51

- sign 344.259+/-0.057 $\chi^2$/NDF: 1529090.0/24

# dit_asym_sam_15_37_dd_mean vs Slug




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

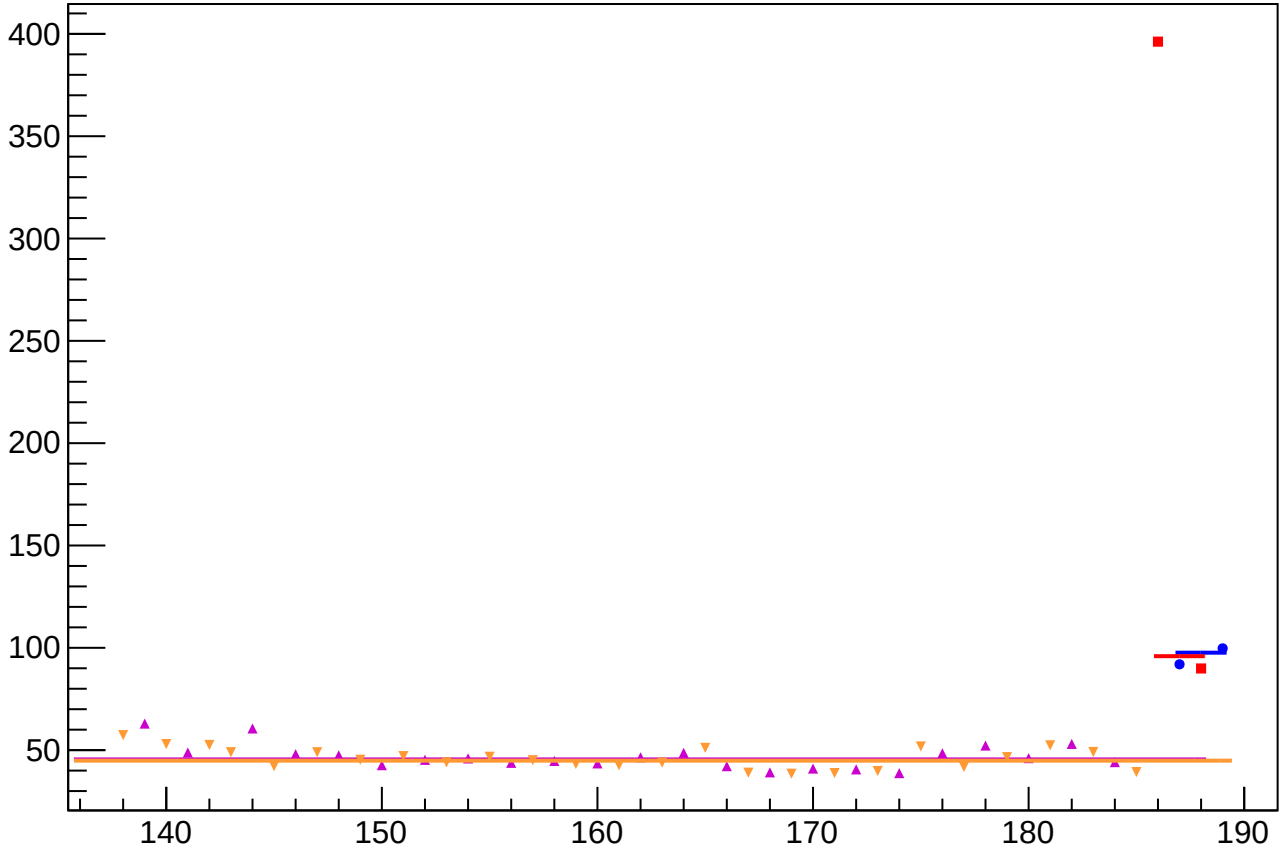
Left In: 31.144+/-10.958 $\chi^2$/NDF:23.4/22

+ sign -32.737+/-10.540 $\chi^2$/NDF: 48.1/26

All: -2.422+/-7.572 $\chi^2$/NDF: 89.6/51

- sign 29.912+/-10.885 $\chi^2$/NDF: 24.4/24

# dit_asym_sam_15_37_dd_rms vs Slug




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

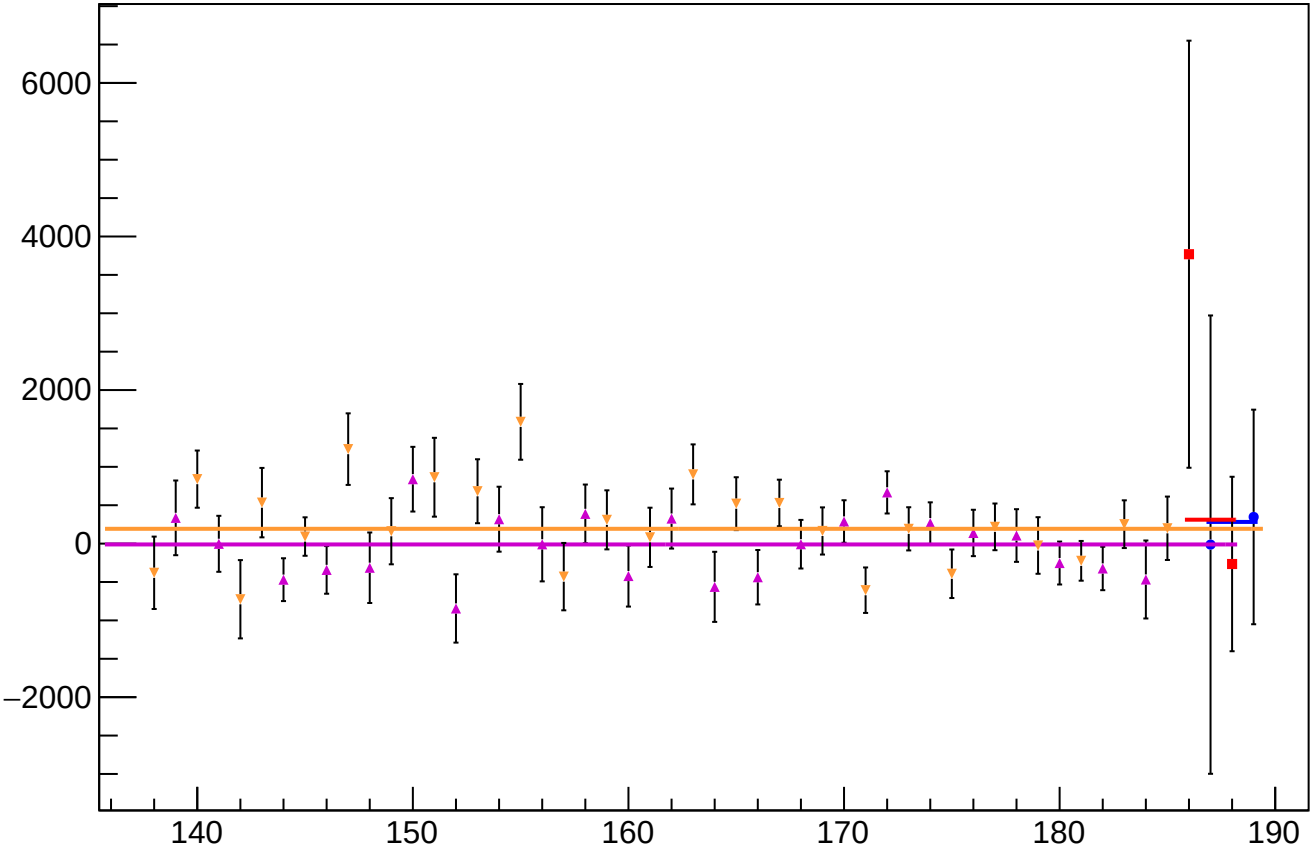
Left In: 45.465+/-0.008 $\chi^2$/NDF:457021.7/22

+ sign 45.237+/-0.007 $\chi^2$/NDF: 771142.1/26

All: 45.670+/-0.005 $\chi^2$/NDF: 2195663.7/51

- sign 46.130+/-0.008 $\chi^2$/NDF: 1417574.0/24

# asym_sam_15_37_dd_correction_mean vs Slug




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

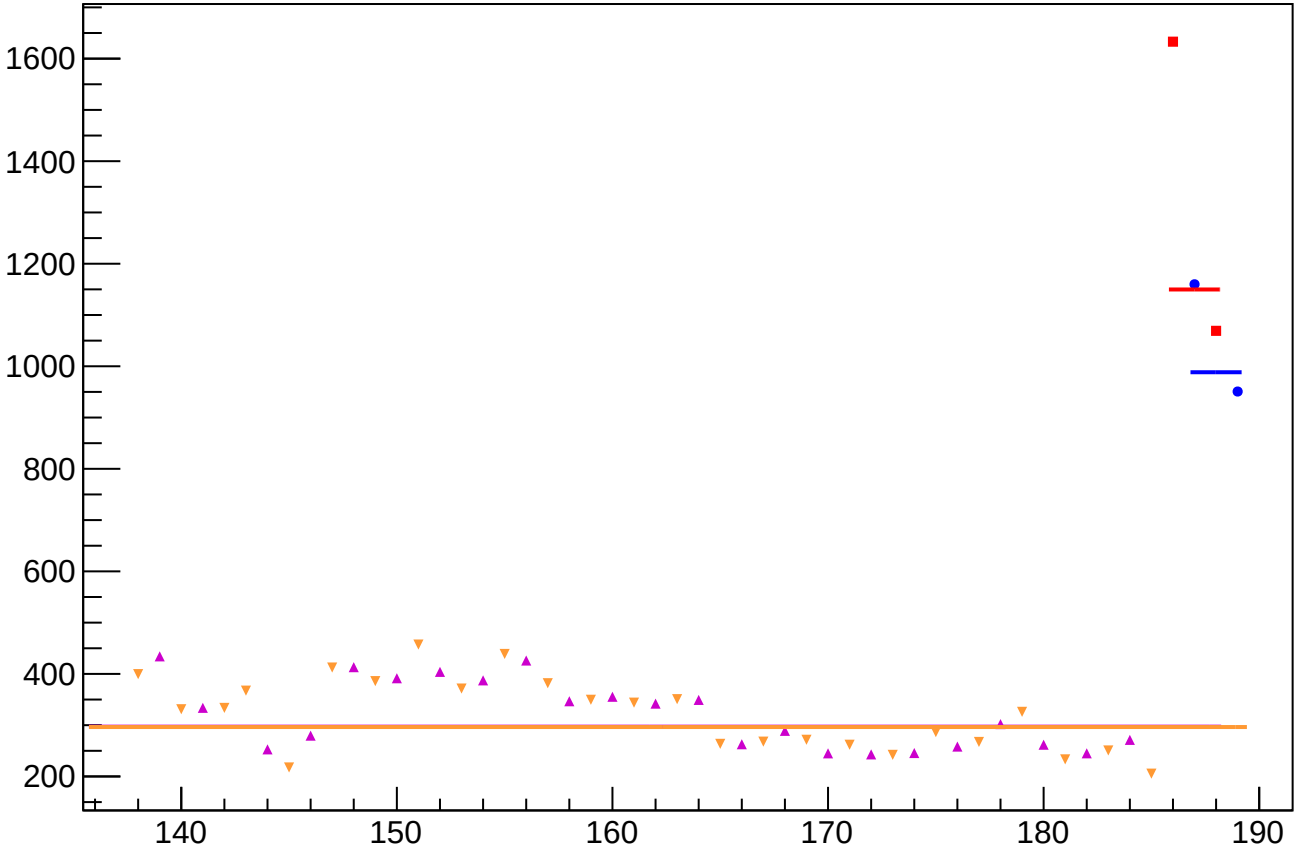
Left In: -10.801+/-72.300 $\chi^2$/NDF:30.2/22

+ sign 193.226+/-70.857 $\chi^2$/NDF: 45.8/26

All: 93.774+/-50.547 $\chi^2$/NDF: 82.0/51

- sign -9.285+/-72.130 $\chi^2$/NDF: 32.1/24

# asym_sam_15_37_dd_correction_rms vs Slug




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

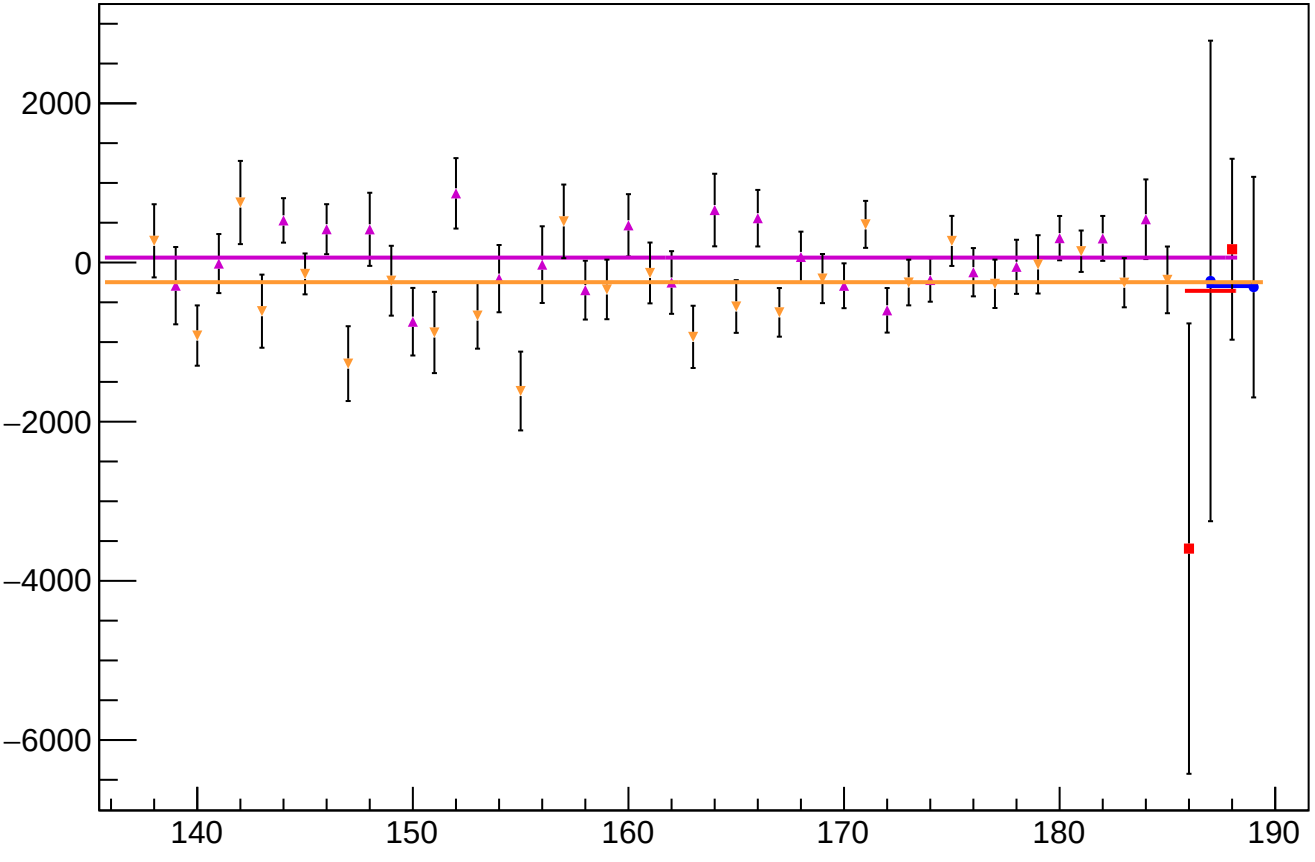
Left In: 297.137+/-0.051 $\chi^2$/NDF:1320750.3/22

+ sign 298.552+/-0.050 $\chi^2$/NDF: 2239627.3/26

All: 299.827+/-0.036 $\chi^2$/NDF: 4940376.0/51

- sign 301.147+/-0.051 $\chi^2$/NDF: 2699431.7/24

# asym_sam_15_37_dd_mean vs Slug




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

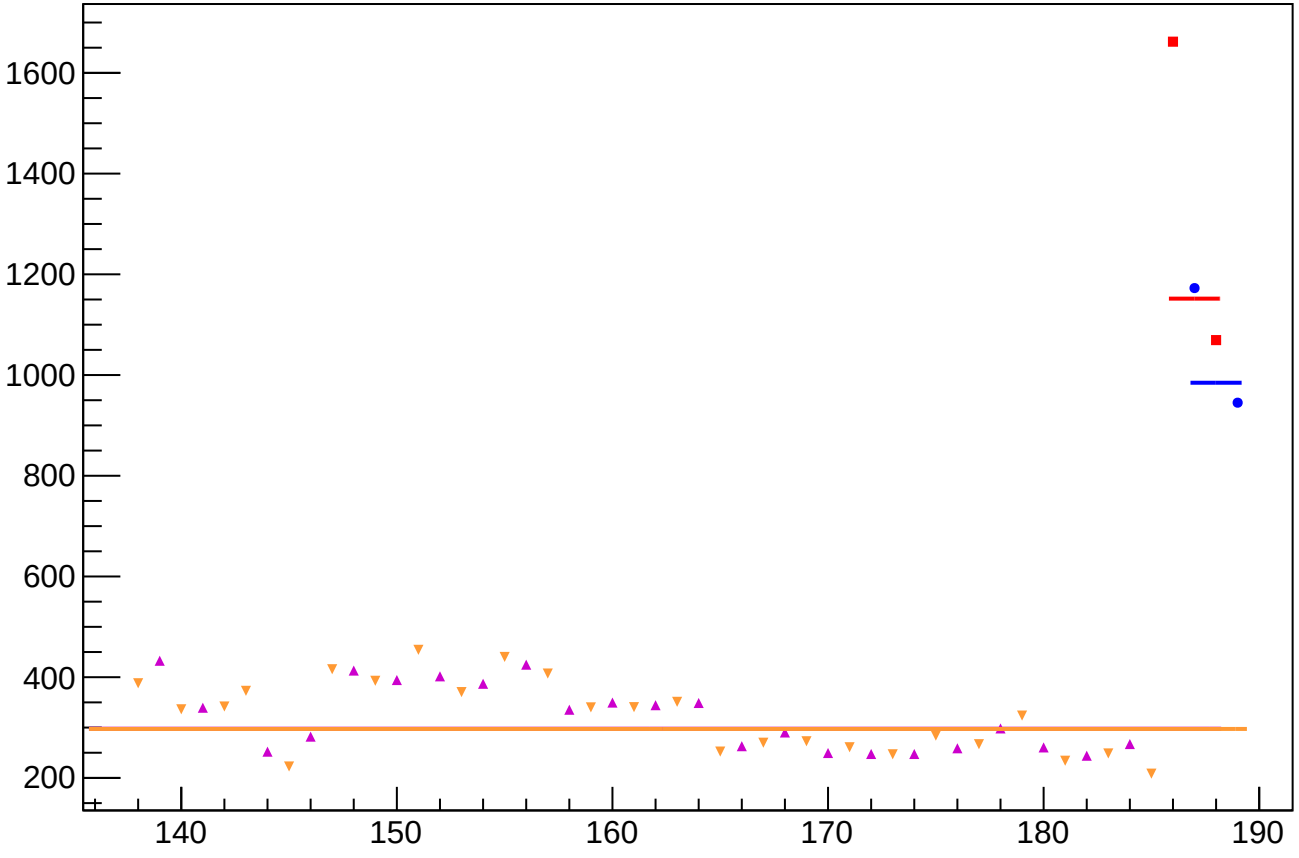
Left In: 61.707+/-72.478 $\chi^2$/NDF:30.3/22

+ sign -247.263+/-71.104 $\chi^2$/NDF: 43.6/26

All: -96.334+/-50.698 $\chi^2$/NDF: 84.8/51

- sign 59.744+/-72.307 $\chi^2$/NDF: 32.0/24

# asym_sam_15_37_dd_rms vs Slug




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

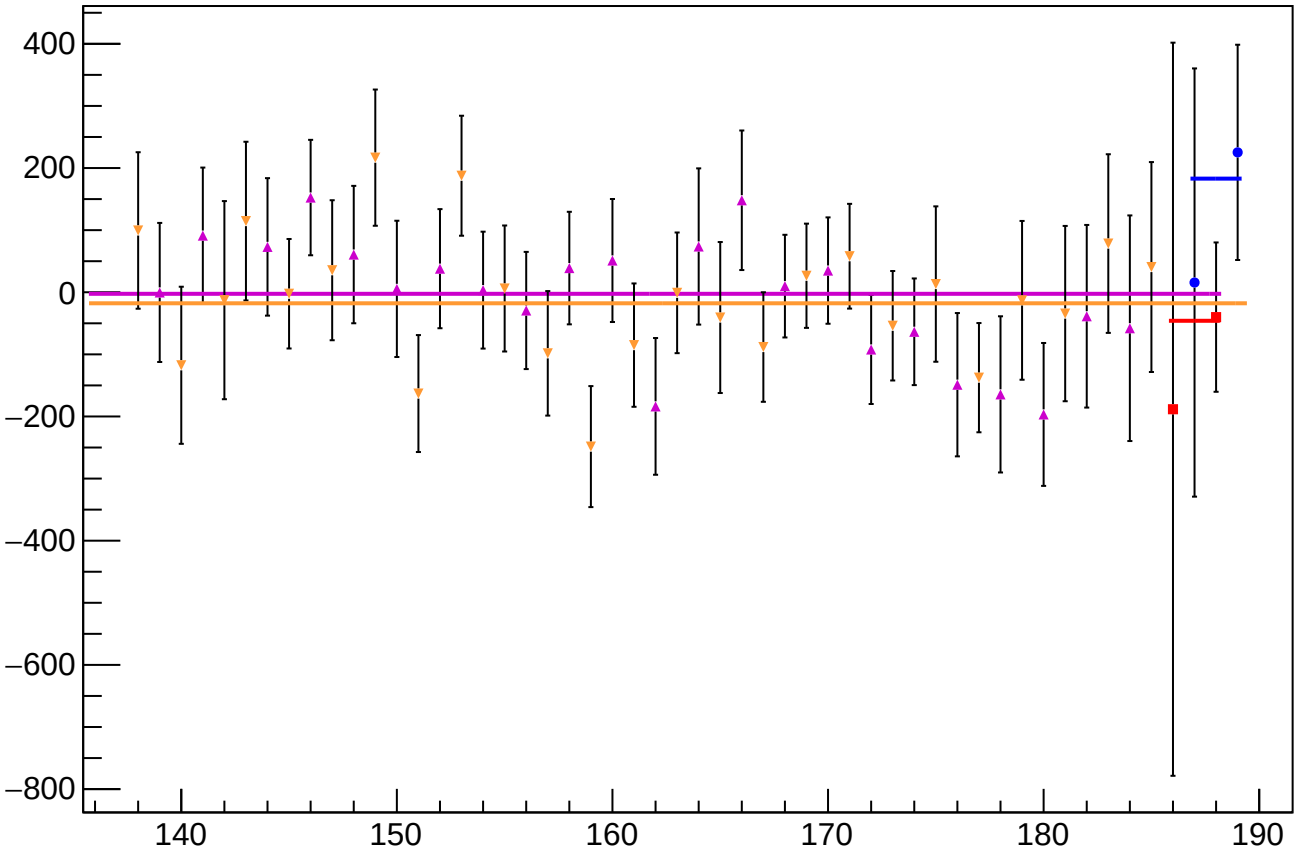
Left In: 297.696+/-0.051 $\chi^2$/NDF:1274607.7/22

+ sign 299.464+/-0.050 $\chi^2$/NDF: 2231171.8/26

All: 300.568+/-0.036 $\chi^2$/NDF: 4887271.7/51

- sign 301.710+/-0.051 $\chi^2$/NDF: 2655119.0/24

# dit_asym_sam_24_68_dd_mean vs Slug




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

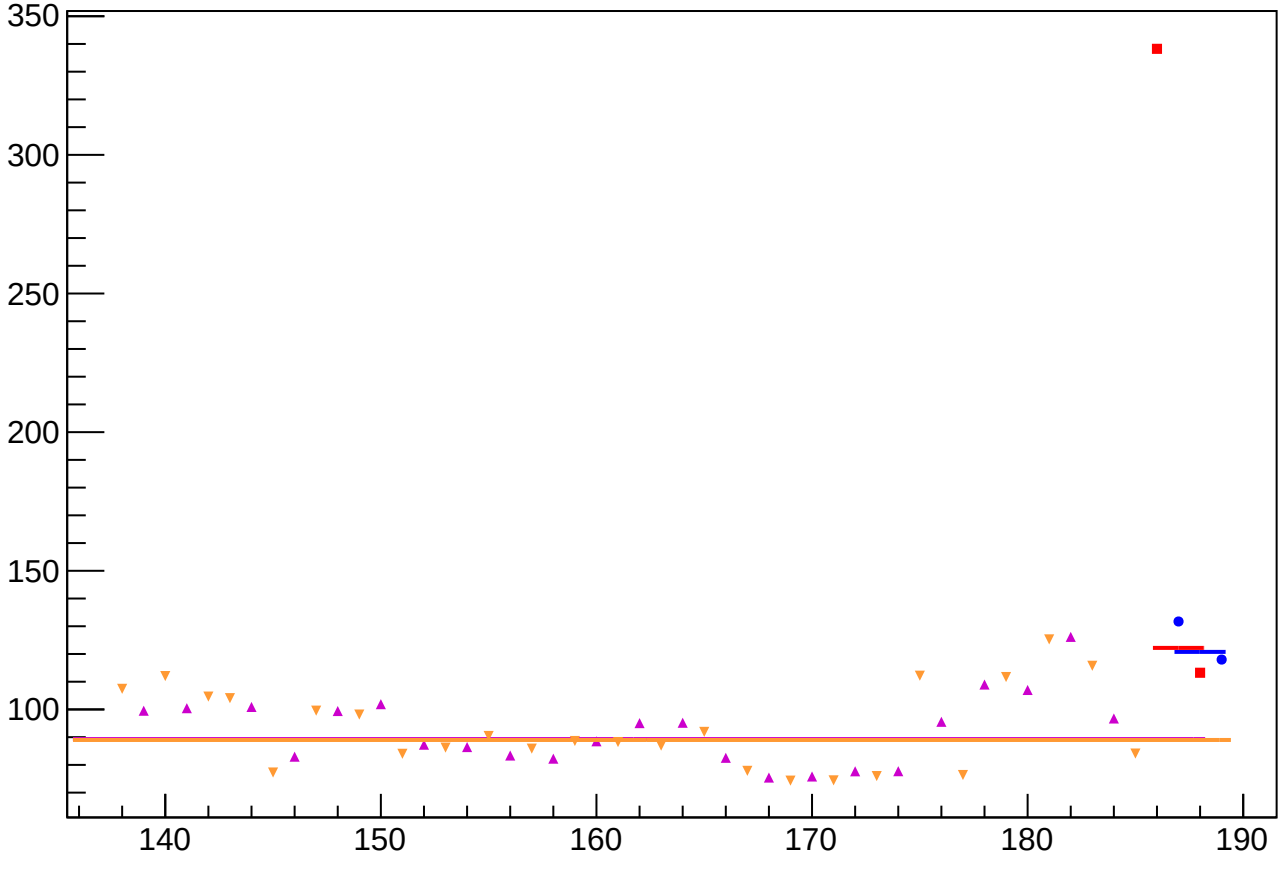
Left In: -2.505+/-21.582 $\chi^2$/NDF:18.0/22

+ sign -14.097+/-20.927 $\chi^2$/NDF: 27.5/26

All: -9.079+/-14.903 $\chi^2$/NDF: 45.8/51

- sign -3.916+/-21.229 $\chi^2$/NDF: 18.2/24

# dit_asym_sam_24_68_dd_rms vs Slug




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

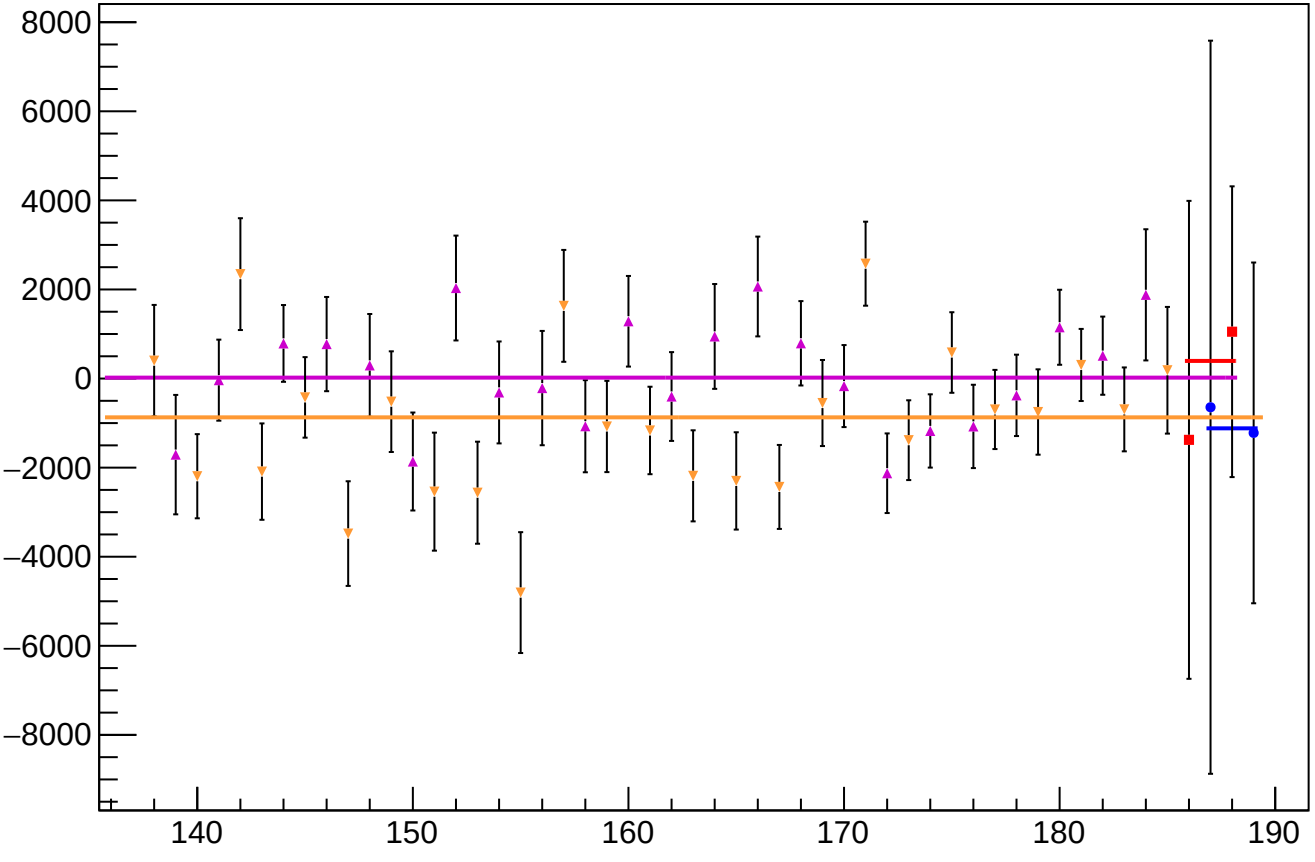
Left In: 89.321+/-0.015 $\chi^2$/NDF:560433.9/22

+ sign 89.571+/-0.015 $\chi^2$/NDF: 892629.1/26

All: 89.974+/-0.011 $\chi^2$/NDF: 1884370.4/51

- sign 90.389+/-0.015 $\chi^2$/NDF: 990234.8/24

# asym_sam_24_68_dd_correction_mean vs Slug




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

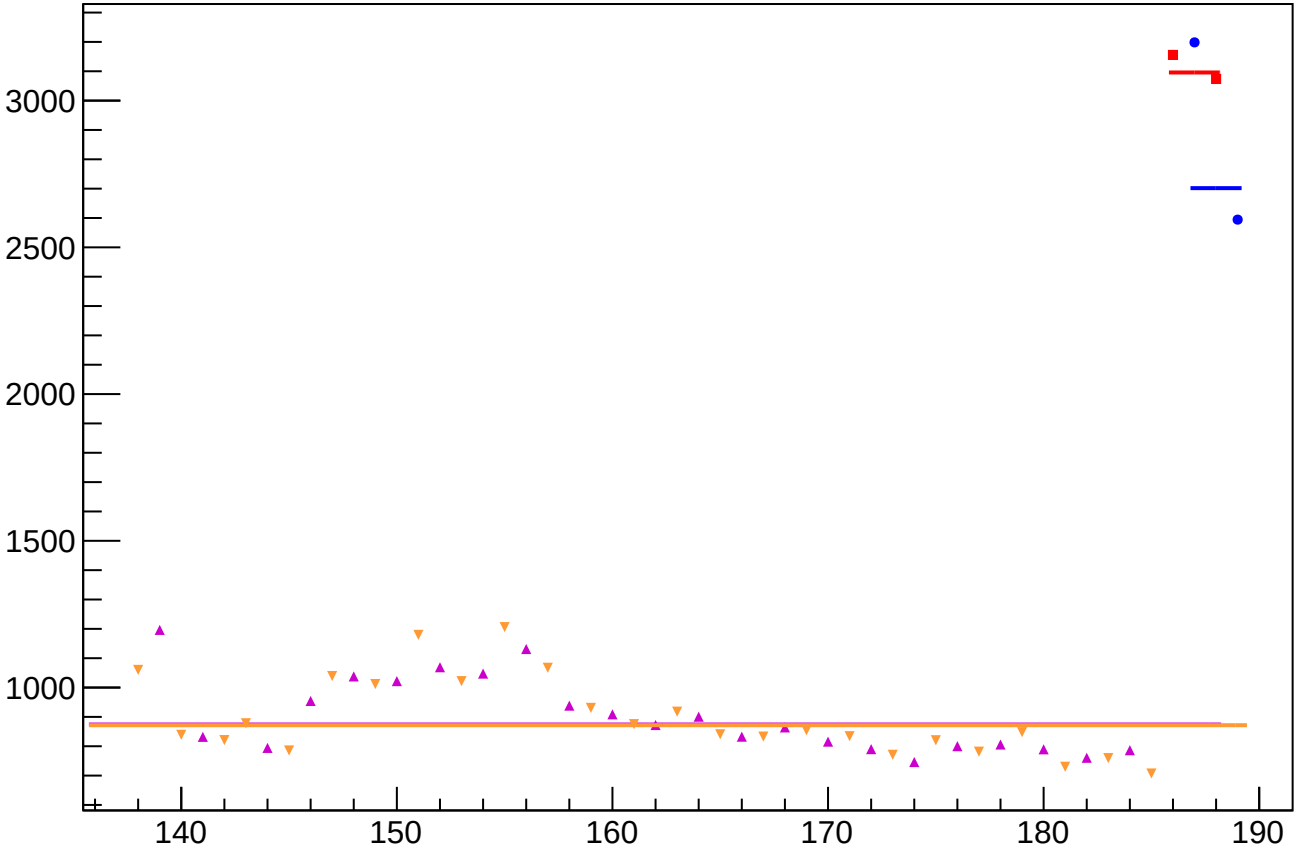
Left In: 20.573+/-210.177 $\chi^2$/NDF:29.7/22

+ sign -871.928+/-205.623 $\chi^2$/NDF: 57.7/26

All: -433.146+/-146.777 $\chi^2$/NDF: 96.8/51

- sign 22.693+/-209.582 $\chi^2$/NDF: 29.8/24

# asym_sam_24_68_dd_correction_rms vs Slug




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

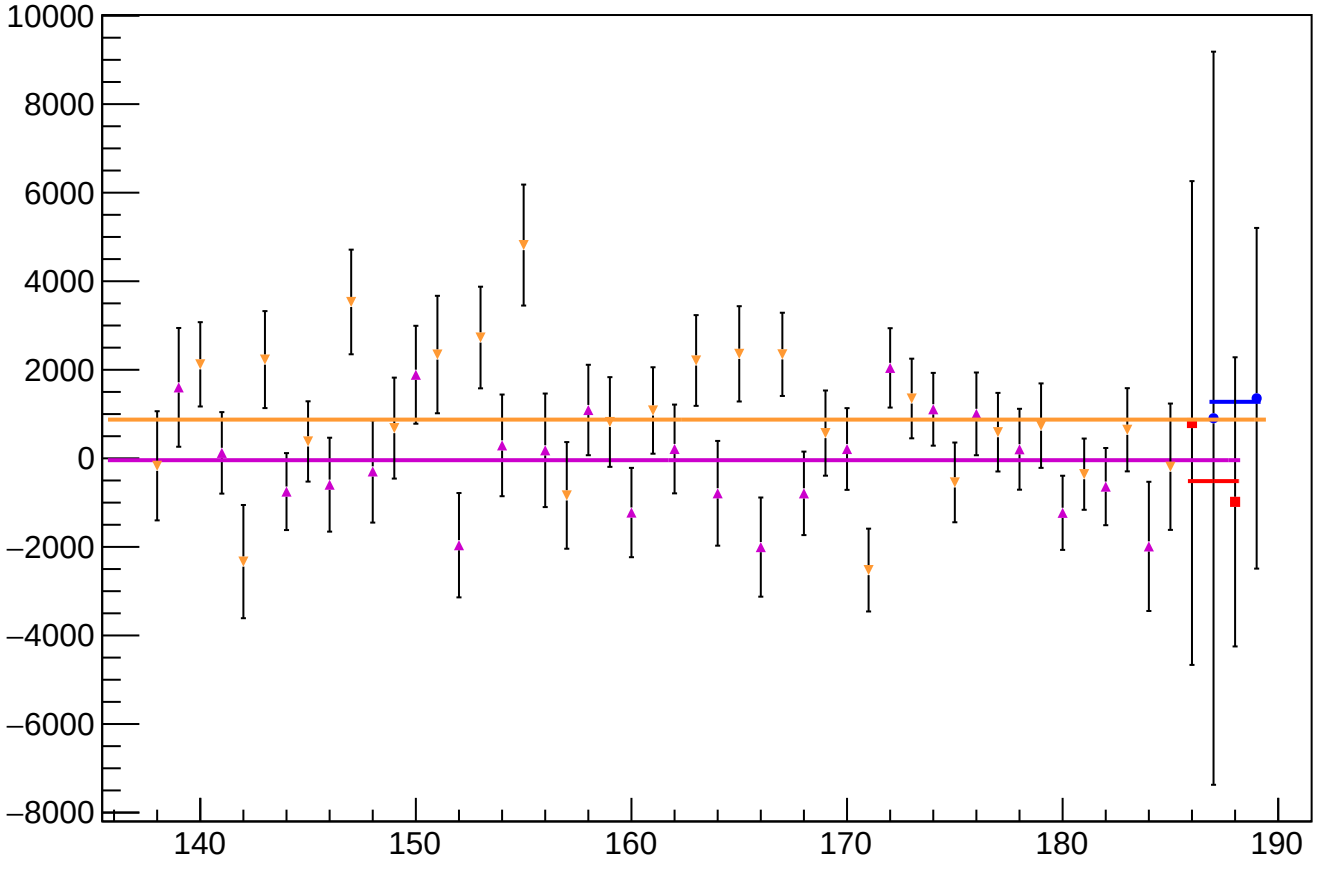
Left In: 874.055+/-0.149 $\chi^2$/NDF:578510.6/22

+ sign 878.121+/-0.145 $\chi^2$/NDF: 1206015.7/26

All: 882.283+/-0.104 $\chi^2$/NDF: 3049175.4/51

- sign 886.607+/-0.148 $\chi^2$/NDF: 1841489.0/24

# asym_sam_24_68_dd_mean vs Slug




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

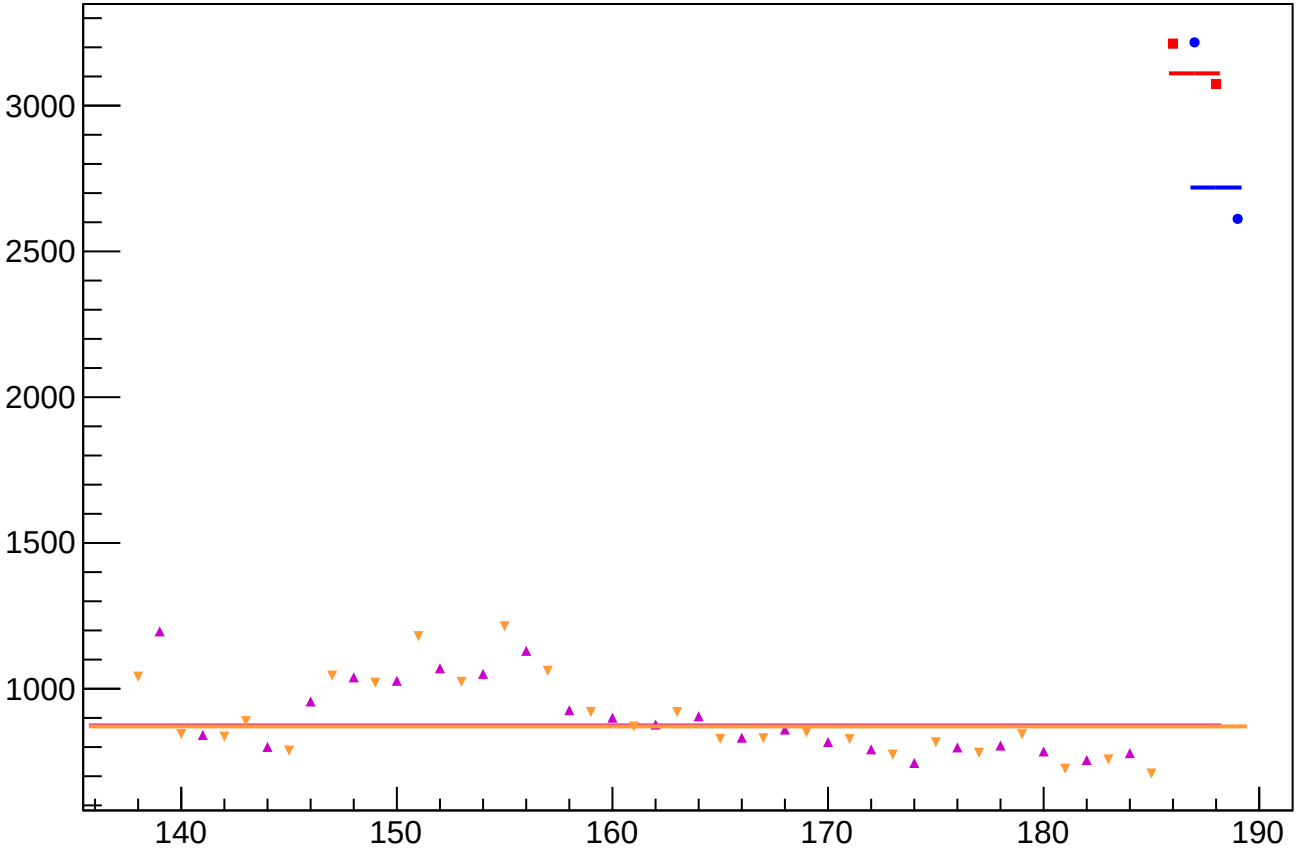
Left In: -41.523+/-210.209 $\chi^2$/NDF:28.1/22

+ sign 876.473+/-205.216 $\chi^2$/NDF: 55.1/26

All: 425.926+/-146.642 $\chi^2$/NDF: 93.2/51

- sign -44.166+/-209.620 $\chi^2$/NDF: 28.2/24

# asym_sam_24_68_dd_rms vs Slug




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

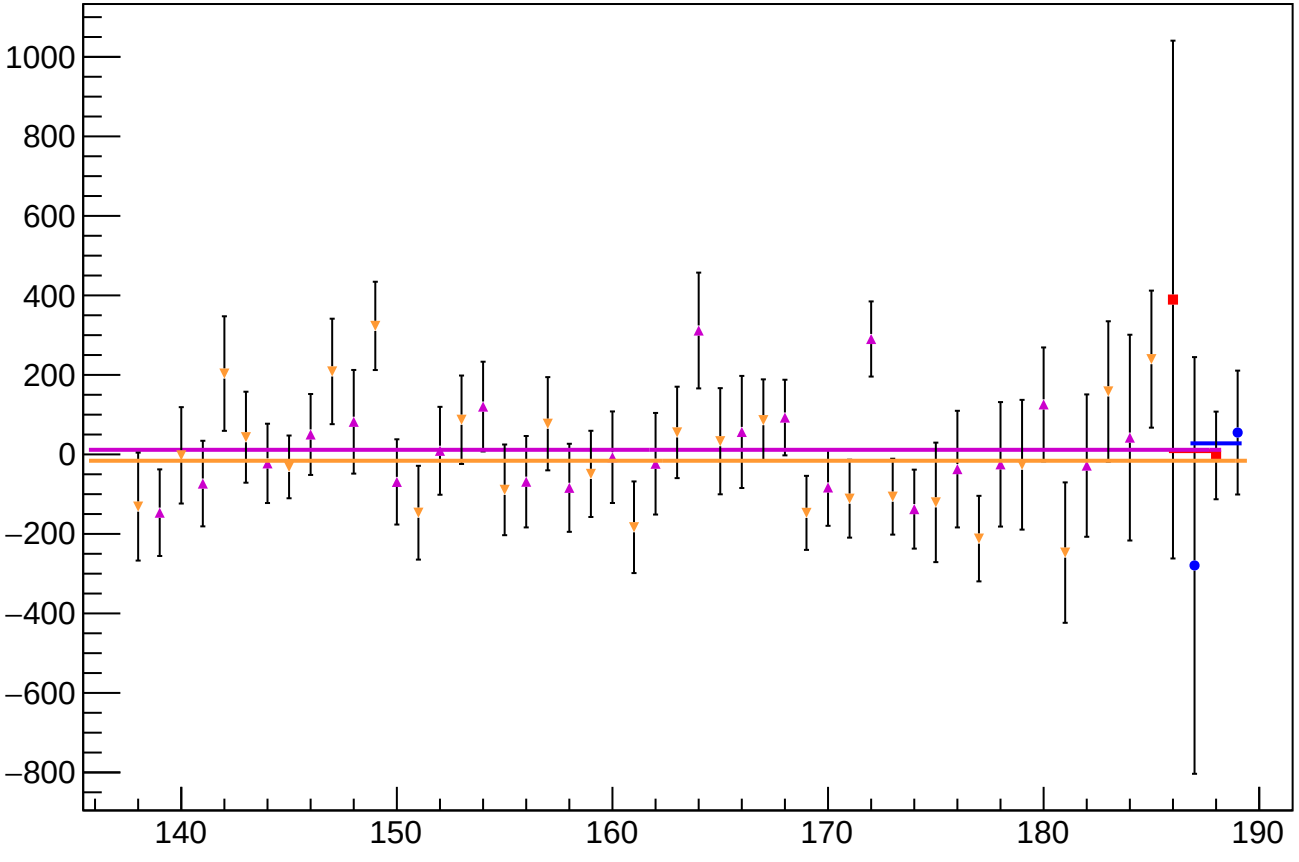
Left In: 873.902+/-0.149 $\chi^2$/NDF:583344.5/22

+ sign 877.248+/-0.145 $\chi^2$/NDF: 1219987.9/26

All: 881.733+/-0.104 $\chi^2$/NDF: 3072863.8/51

- sign 886.413+/-0.148 $\chi^2$/NDF: 1850923.6/24

# dit_asym_sam_26_48_dd_mean vs Slug




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

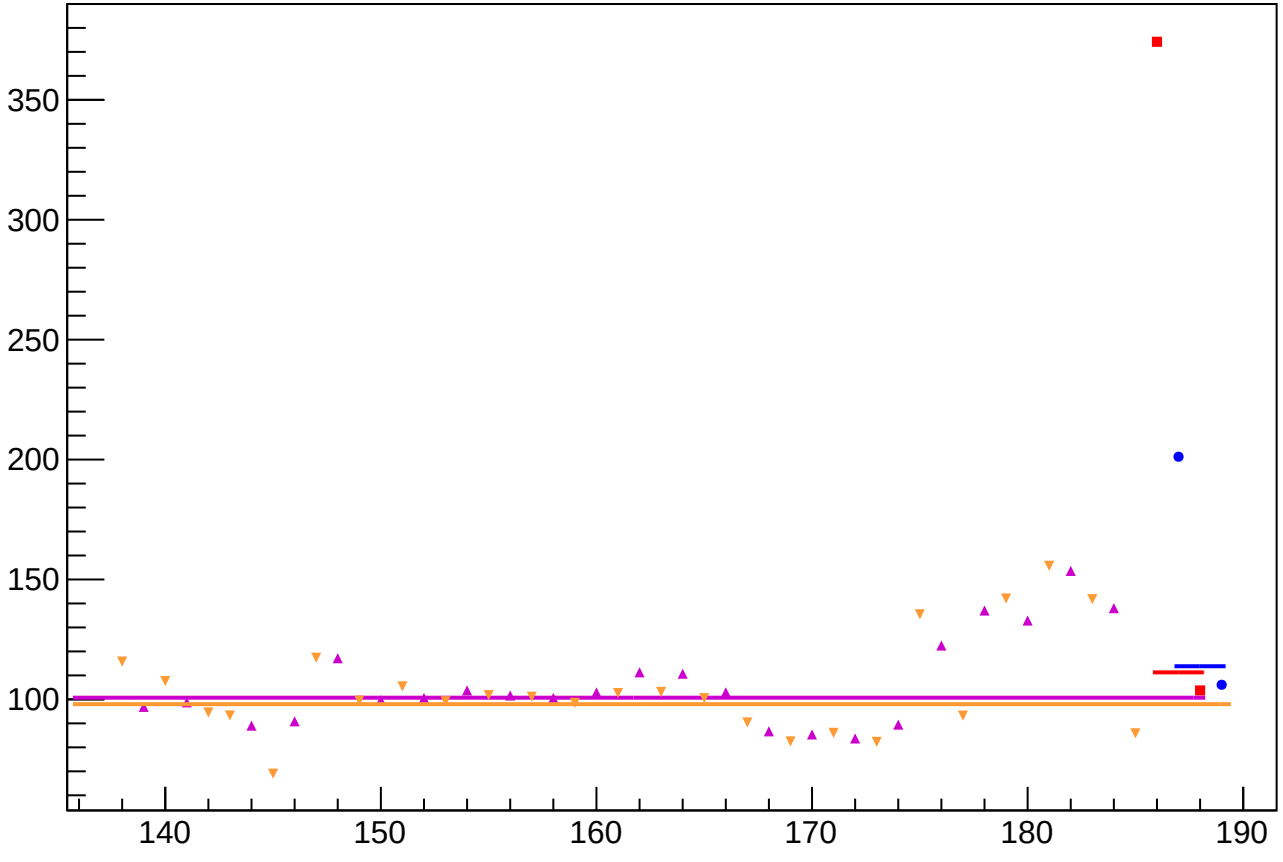
Left In: 11.570+/-24.412 $\chi^2$/NDF:24.0/22

+ sign -14.909+/-23.096 $\chi^2$/NDF: 35.4/26

All: -2.153+/-16.581 $\chi^2$/NDF: 60.3/51

- sign 11.413+/-23.818 $\chi^2$/NDF: 24.3/24

# dit_asym_sam_26_48_dd_rms vs Slug




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

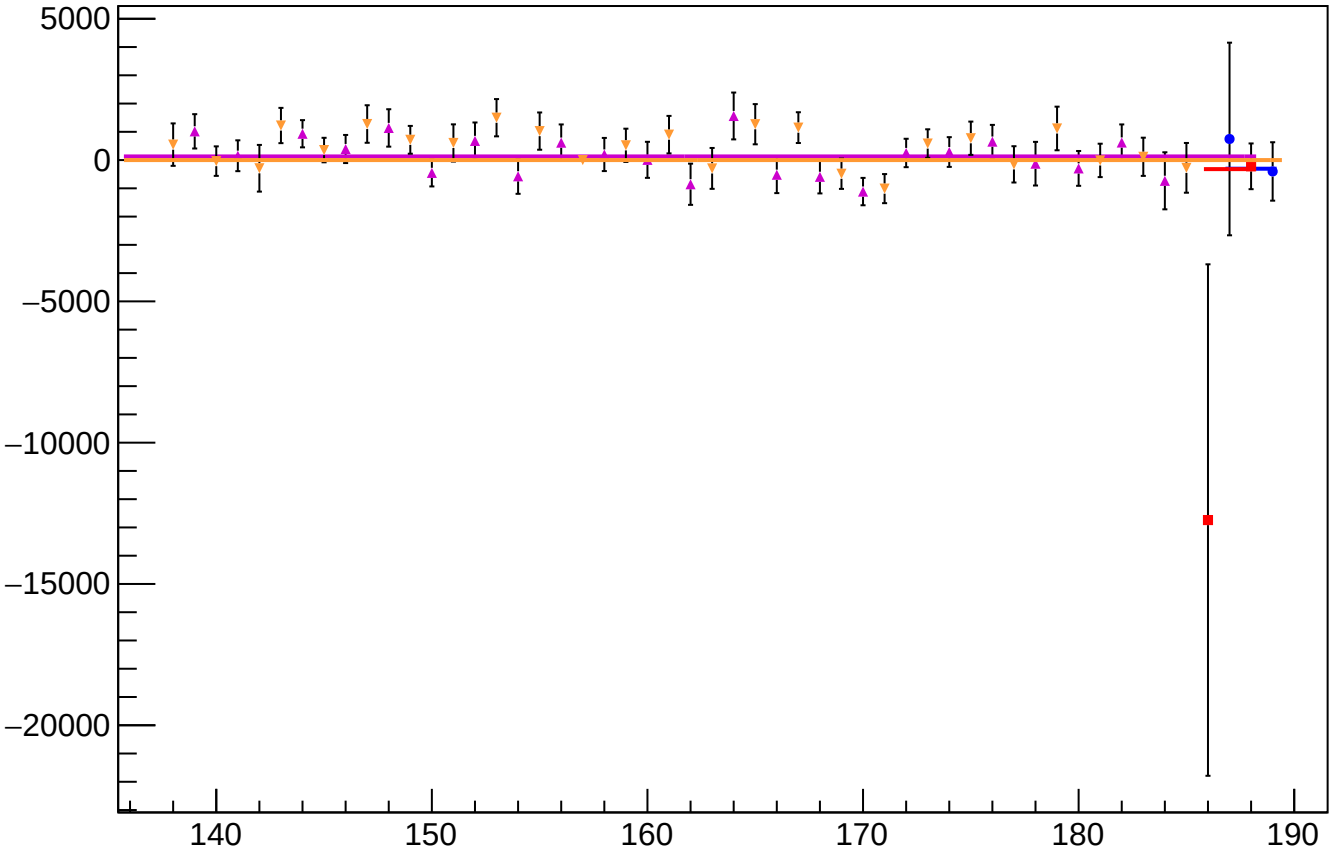
Left In: 100.704+/-0.017 $\chi^2$/NDF:759922.8/22

+ sign 98.380+/-0.016 $\chi^2$/NDF: 1237402.0/26

All: 99.752+/-0.012 $\chi^2$/NDF: 2365230.4/51

- sign 101.211+/-0.017 $\chi^2$/NDF: 1113263.0/24

# asym_sam_26_48_dd_correction_mean vs Slug




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

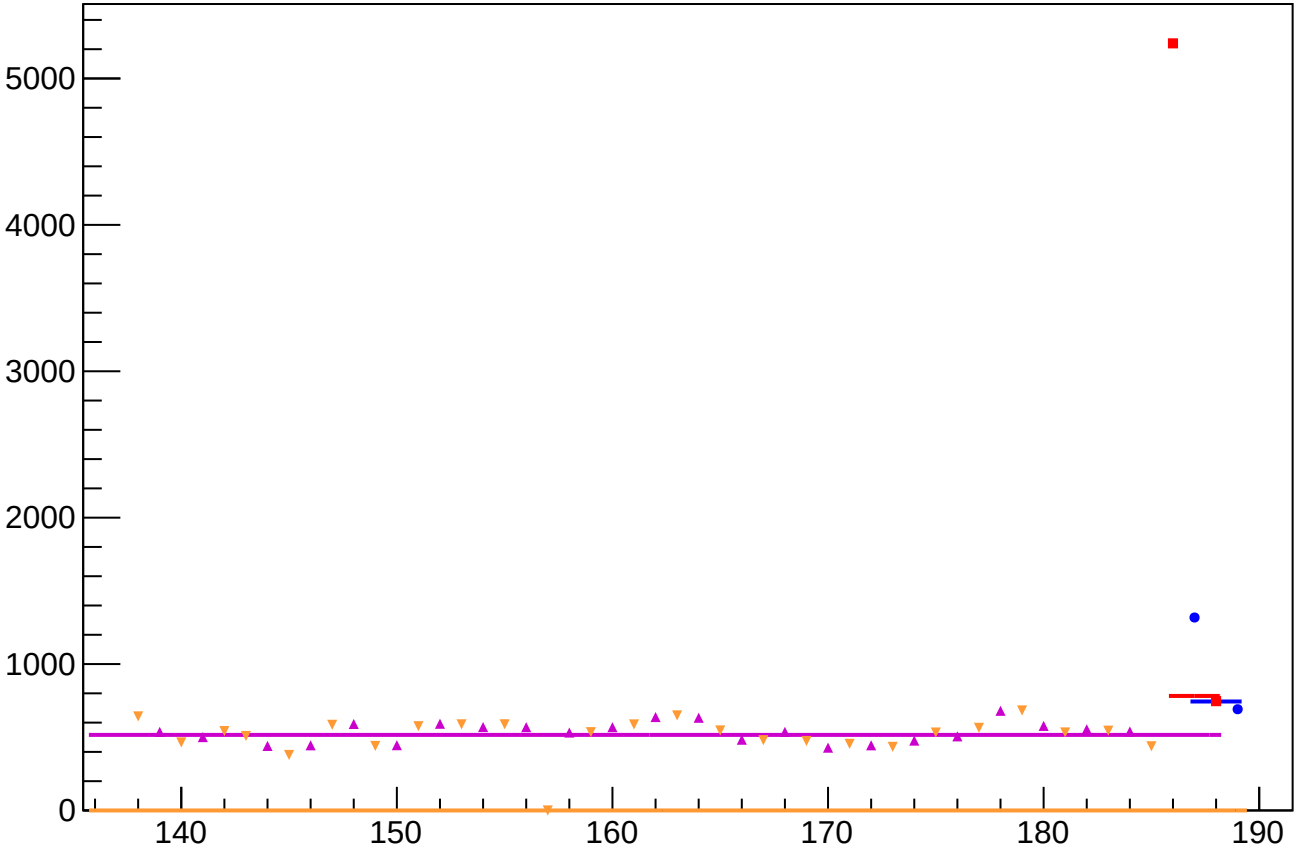
Left In: 129.094+/-124.247 $\chi^2$/NDF:28.3/22

+ sign -0.000+/-0.000 $\chi^2$/NDF: 40.1/26

All: -0.000+/-0.000 $\chi^2$/NDF: 71.5/51

- sign 118.670+/-122.796 $\chi^2$/NDF: 30.5/24

# asym_sam_26_48_dd_correction_rms vs Slug




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

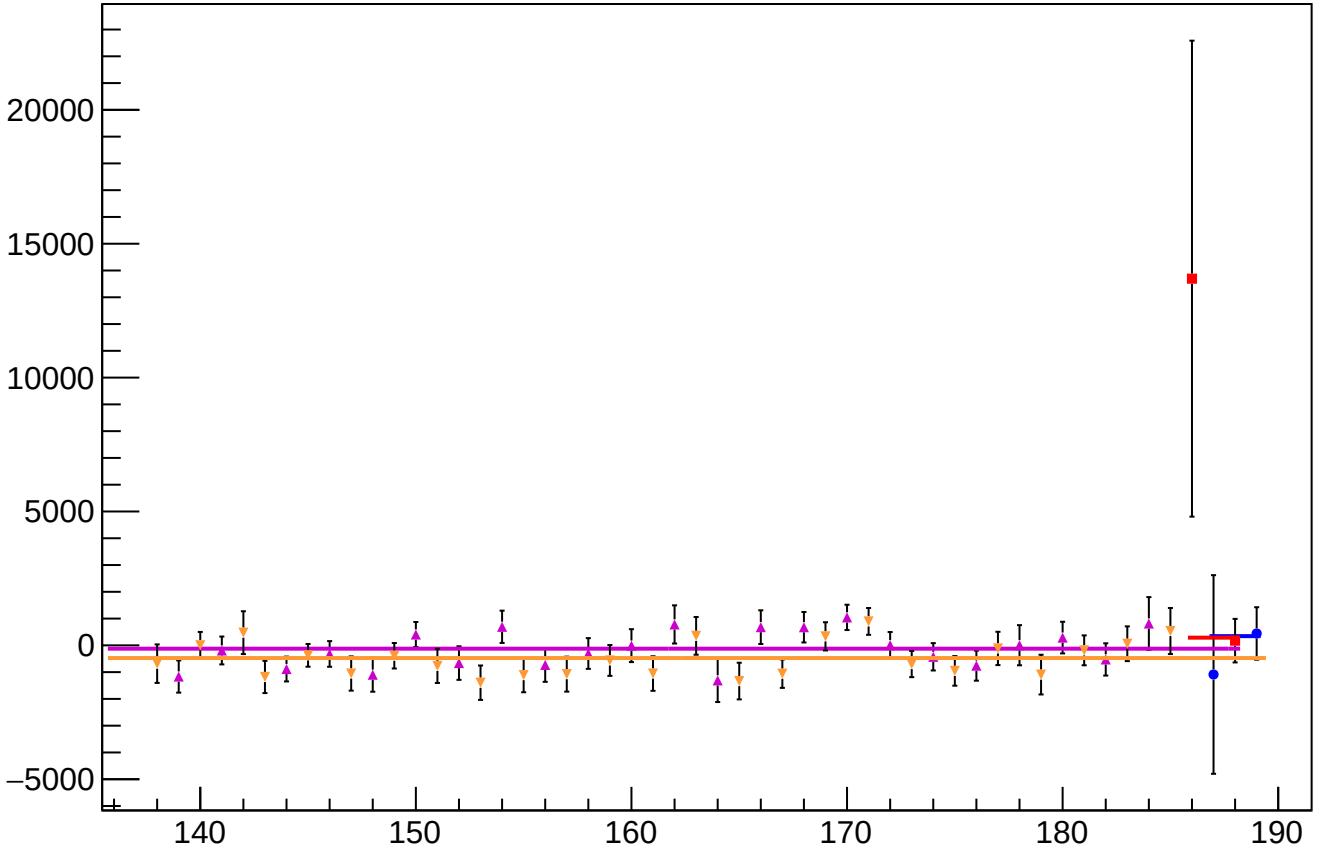
Left In: 516.120+/-0.088 $\chi^2$/NDF:571744.7/22

+ sign 0.000+/-0.000 $\chi^2$/NDF: 36167932.9/26

All: 0.000+/-0.000 $\chi^2$/NDF: 73624717.2/51

- sign 522.300+/-0.087 $\chi^2$/NDF: 1273918.9/24

# asym_sam_26_48_dd_mean vs Slug




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

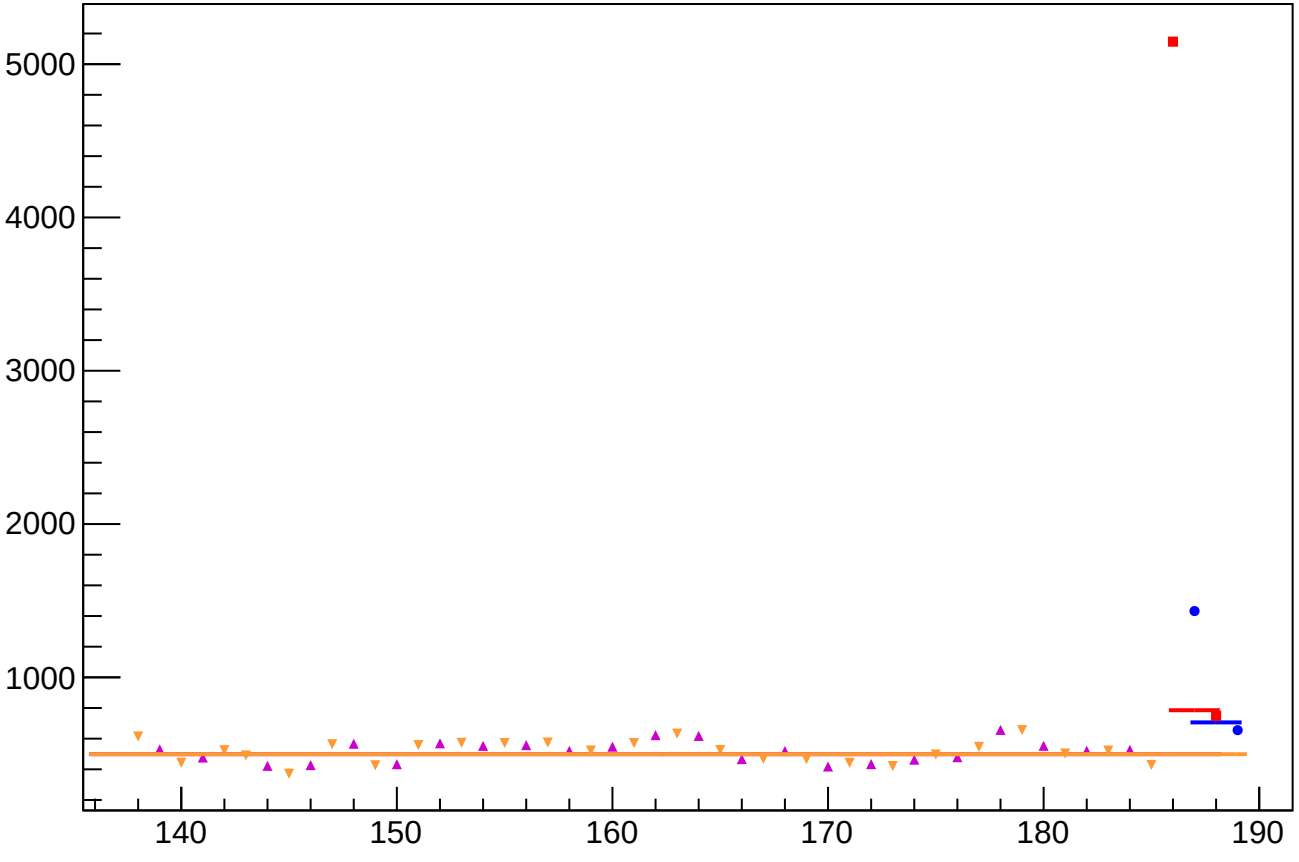
Left In: -124.022+/-120.216 $\chi^2$/NDF:30.2/22

+ sign -461.371+/-117.072 $\chi^2$/NDF: 28.8/26

All: -290.960+/-83.426 $\chi^2$/NDF: 65.9/51

- sign -115.148+/-118.913 $\chi^2$/NDF: 32.7/24

# asym_sam_26_48_dd_rms vs Slug




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

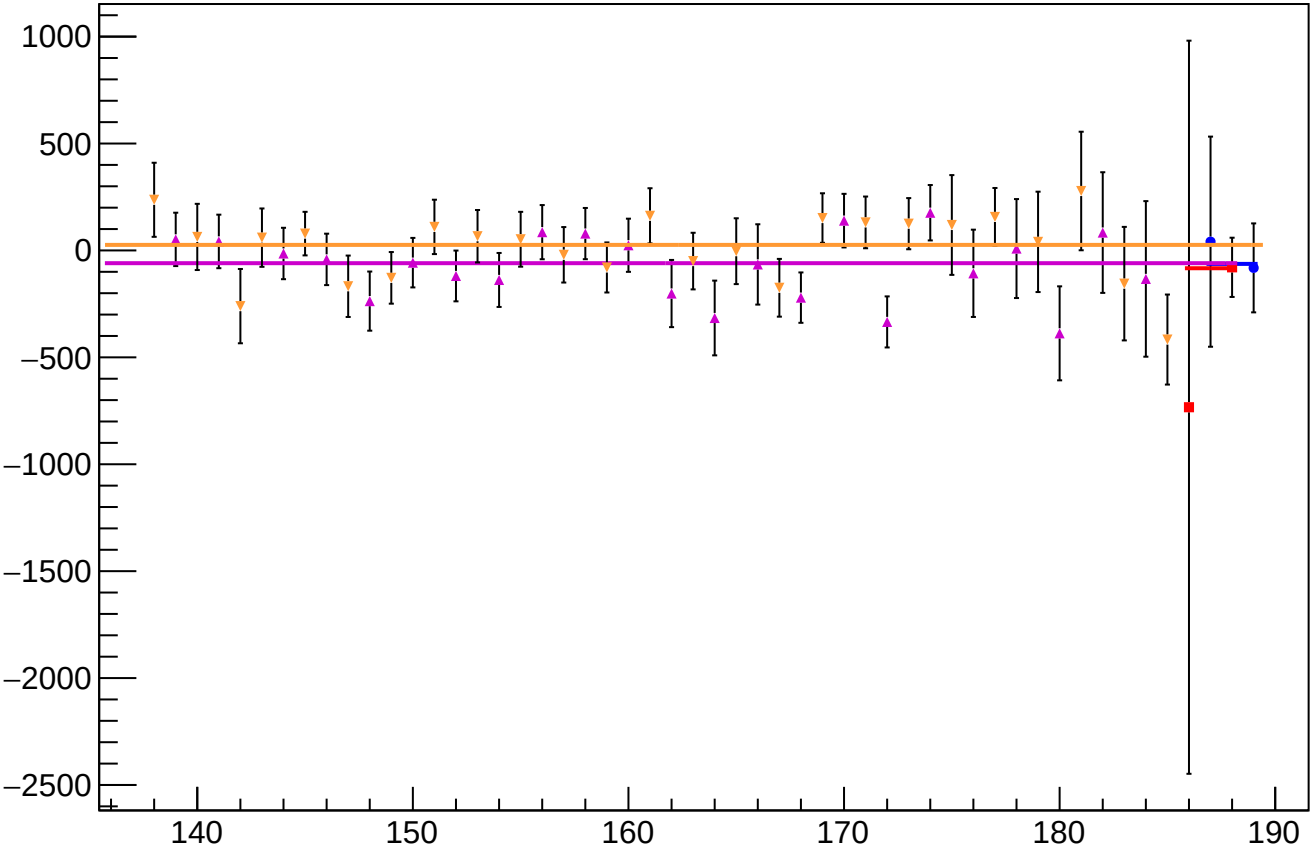
Left In: 498.835+/-0.085 $\chi^2$/NDF:572334.3/22

+ sign 501.831+/-0.083 $\chi^2$/NDF: 911093.6/26

All: 503.398+/-0.059 $\chi^2$/NDF: 2214960.9/51

- sign 505.016+/-0.084 $\chi^2$/NDF: 1303138.8/24

# dit_asym_sam_1548_avg_mean vs Slug




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

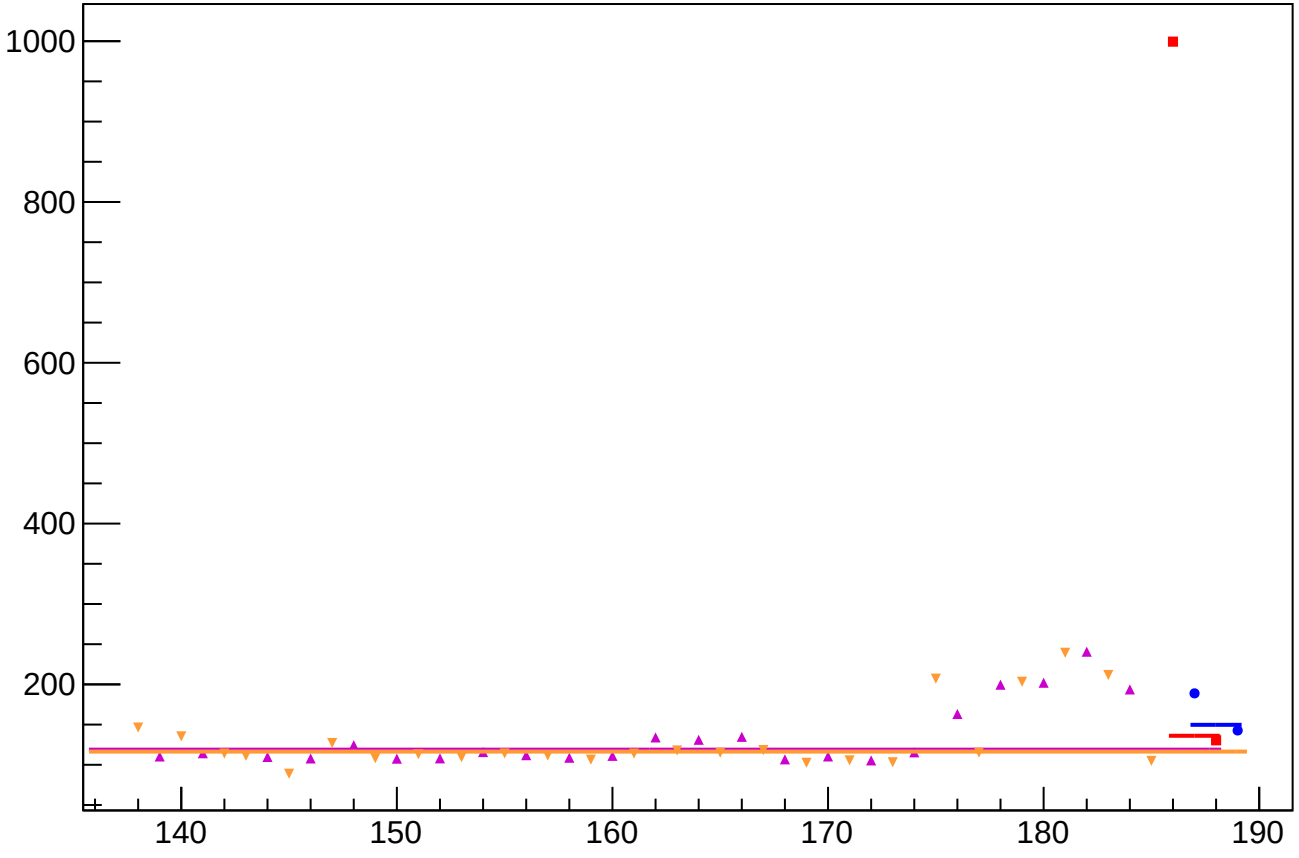
Left In: -59.603+/-29.184 $\chi^2$/NDF:25.6/22

+ sign 24.065+/-27.822 $\chi^2$/NDF: 22.9/26

All: -17.178+/-19.927 $\chi^2$/NDF: 53.3/51

- sign -60.616+/-28.553 $\chi^2$/NDF: 25.8/24

# dit_asym_sam_1548_avg_rms vs Slug




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

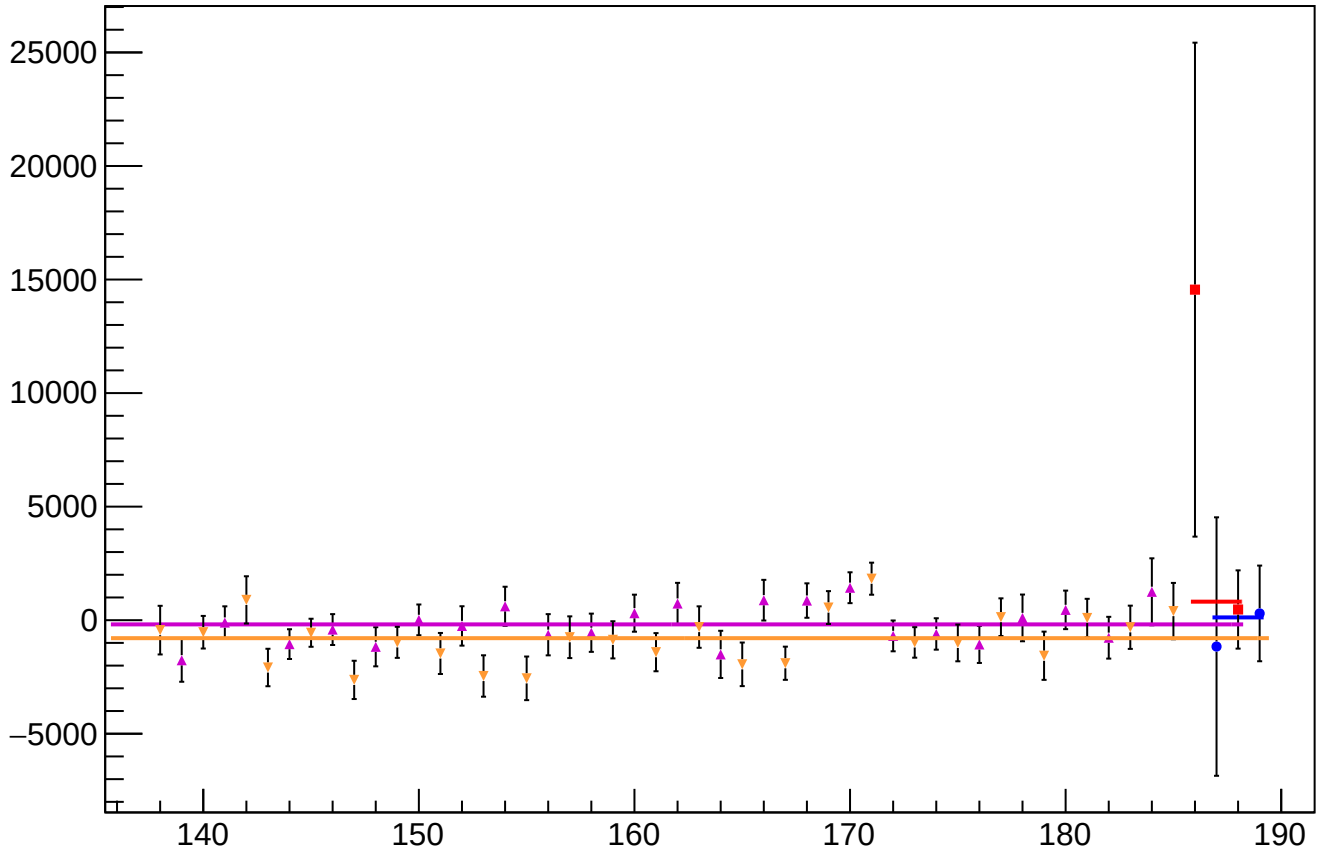
Left In: 118.822+/-0.021 $\chi^2$/NDF:1289178.7/22

+ sign 117.129+/-0.020 $\chi^2$/NDF: 1663728.8/26

All: 118.313+/-0.014 $\chi^2$/NDF: 3500808.2/51

- sign 119.561+/-0.020 $\chi^2$/NDF: 1829641.7/24

# asym_sam_1548_avg_correction_mean vs Slug




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

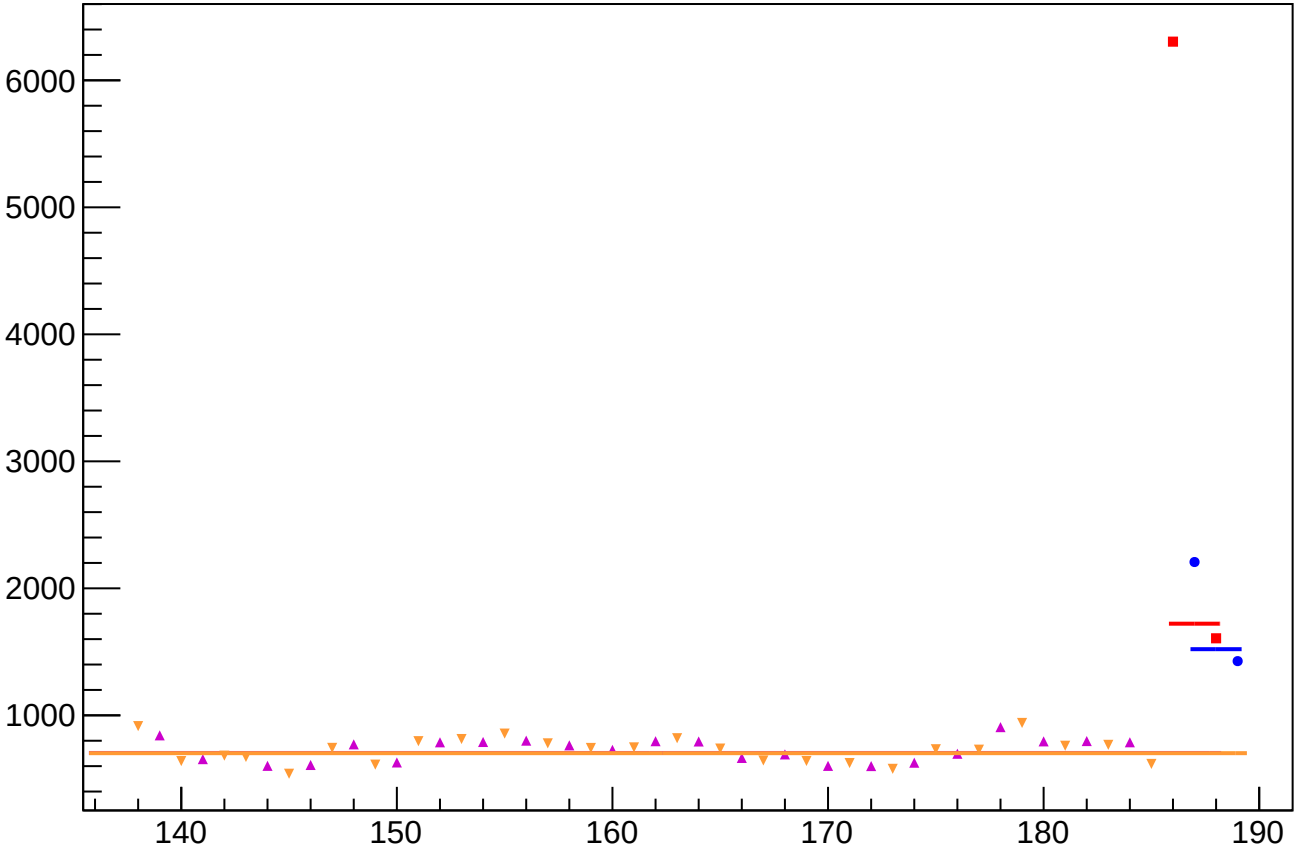
Left In: -185.191+/-169.174 $\chi^2$/NDF:23.4/22

+ sign -785.556+/-165.388 $\chi^2$/NDF: 43.9/26

All: -485.883+/-117.978 $\chi^2$/NDF: 76.0/51

- sign -175.399+/-168.345 $\chi^2$/NDF: 25.4/24

# asym_sam_1548_avg_correction_rms vs Slug




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

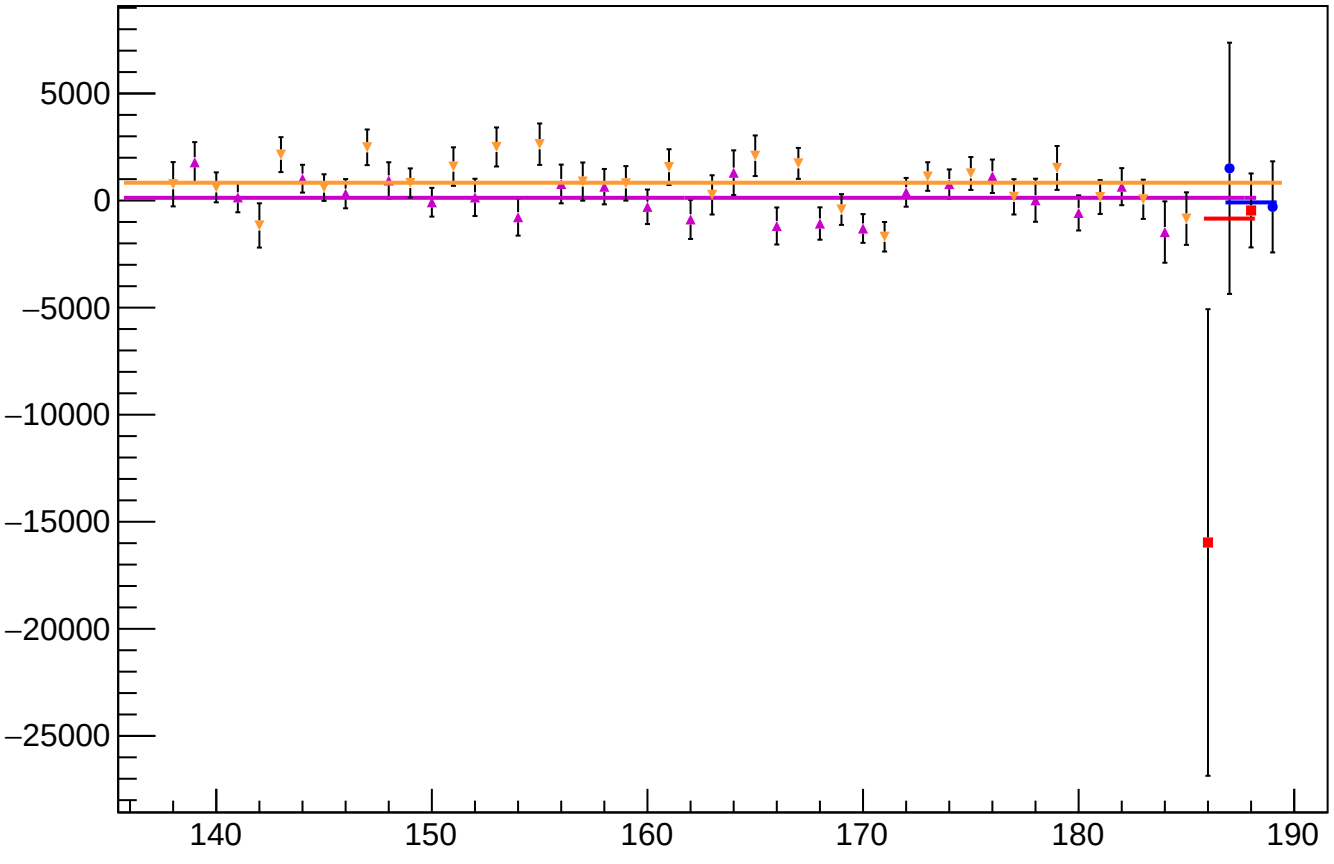
Left In: 703.710+/-0.120 $\chi^2$/NDF:533573.3/22

+ sign 707.891+/-0.117 $\chi^2$/NDF: 1065775.6/26

All: 710.728+/-0.083 $\chi^2$/NDF: 2673025.7/51

- sign 713.669+/-0.119 $\chi^2$/NDF: 1606051.3/24

# asym_sam_1548_avg_mean vs Slug




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

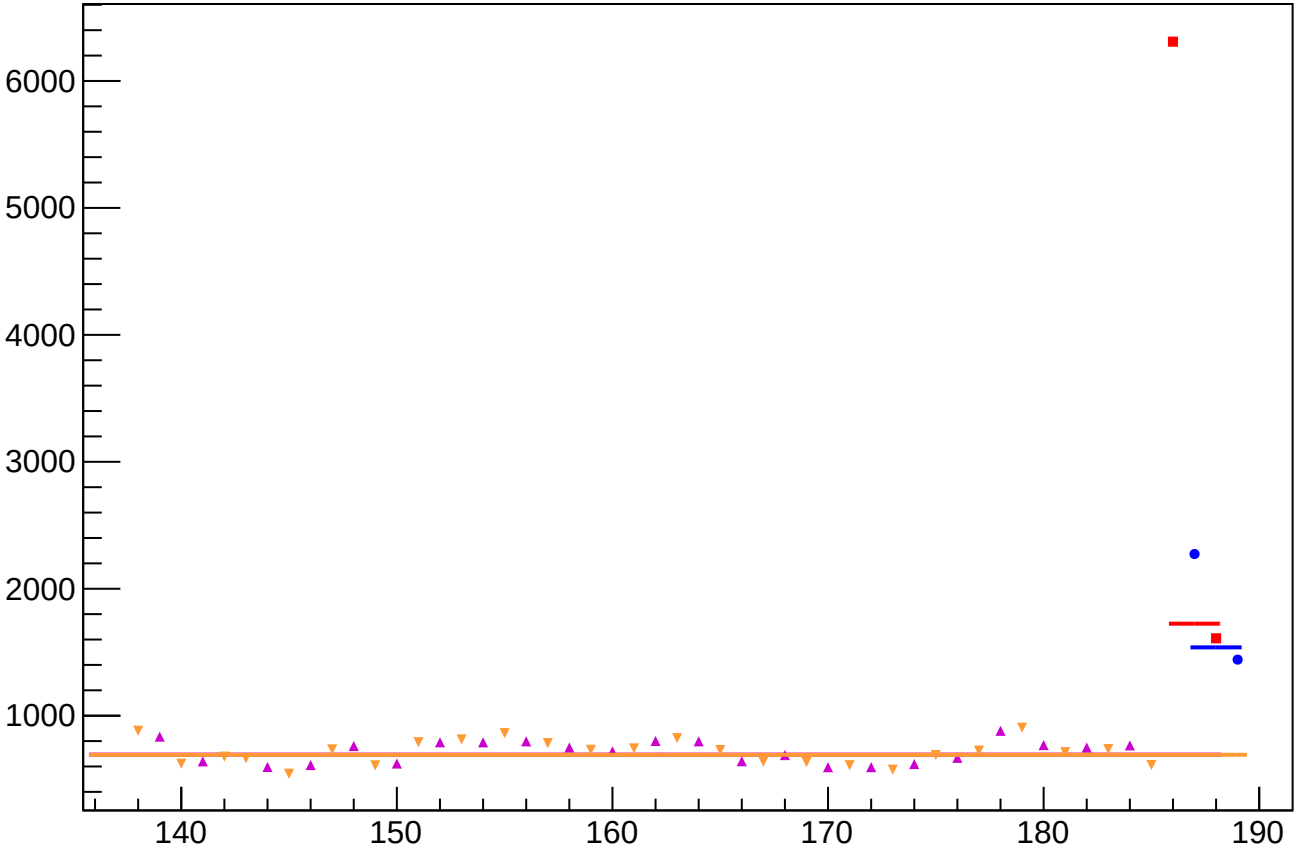
Left In: 128.120+/-166.866 $\chi^2$/NDF:25.3/22

+ sign 826.457+/-162.885 $\chi^2$/NDF: 44.1/26

All: 479.550+/-116.288 $\chi^2$/NDF: 80.9/51

- sign 118.928+/-166.073 $\chi^2$/NDF: 27.6/24

# asym_sam_1548_avg_rms vs Slug




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

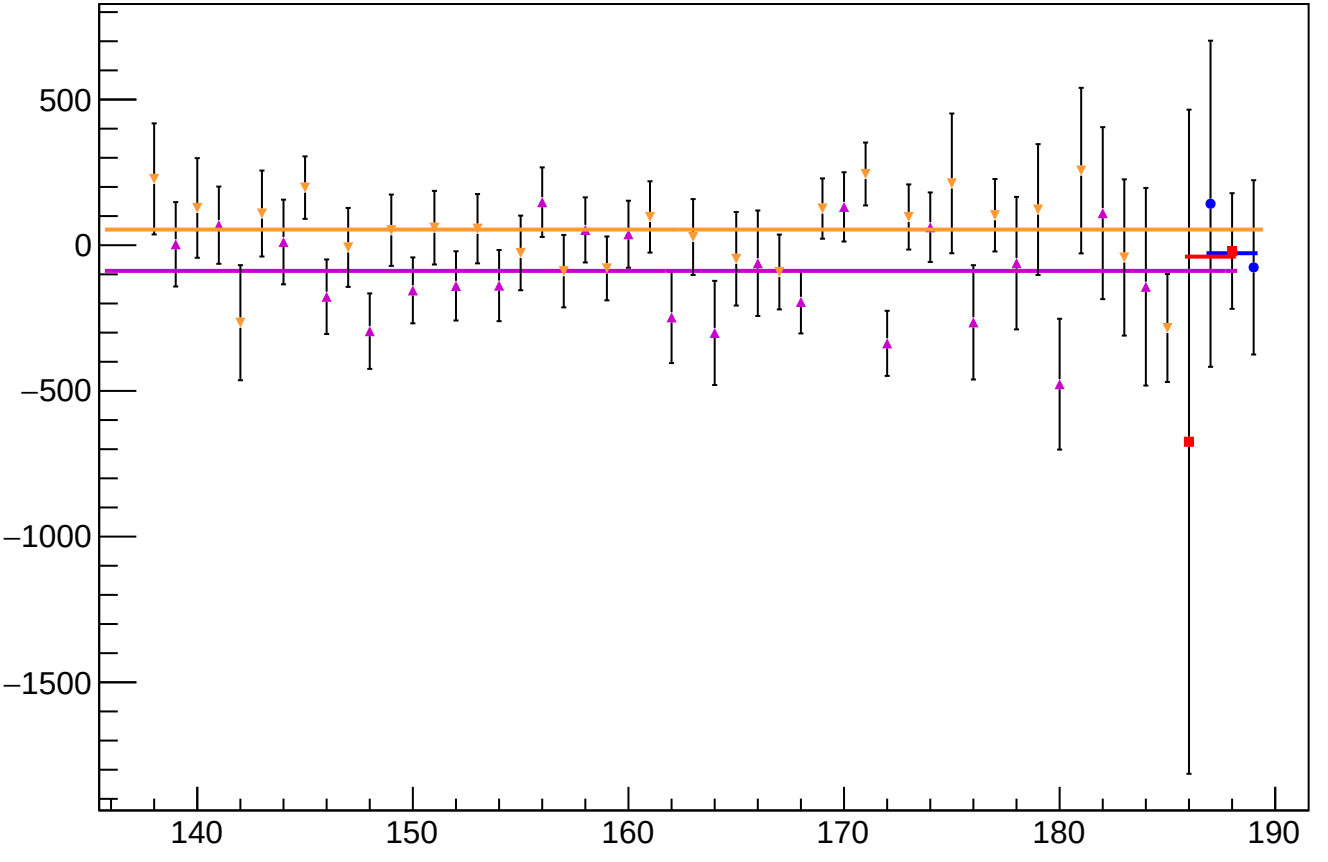
Left In: 693.615+/-0.118 $\chi^2$/NDF:520692.6/22

+ sign 697.686+/-0.115 $\chi^2$/NDF: 1049003.7/26

All: 700.481+/-0.082 $\chi^2$/NDF: 2657758.3/51

- sign 703.386+/-0.117 $\chi^2$/NDF: 1607553.7/24

# dit_asym_sam_3748_avg_mean vs Slug




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

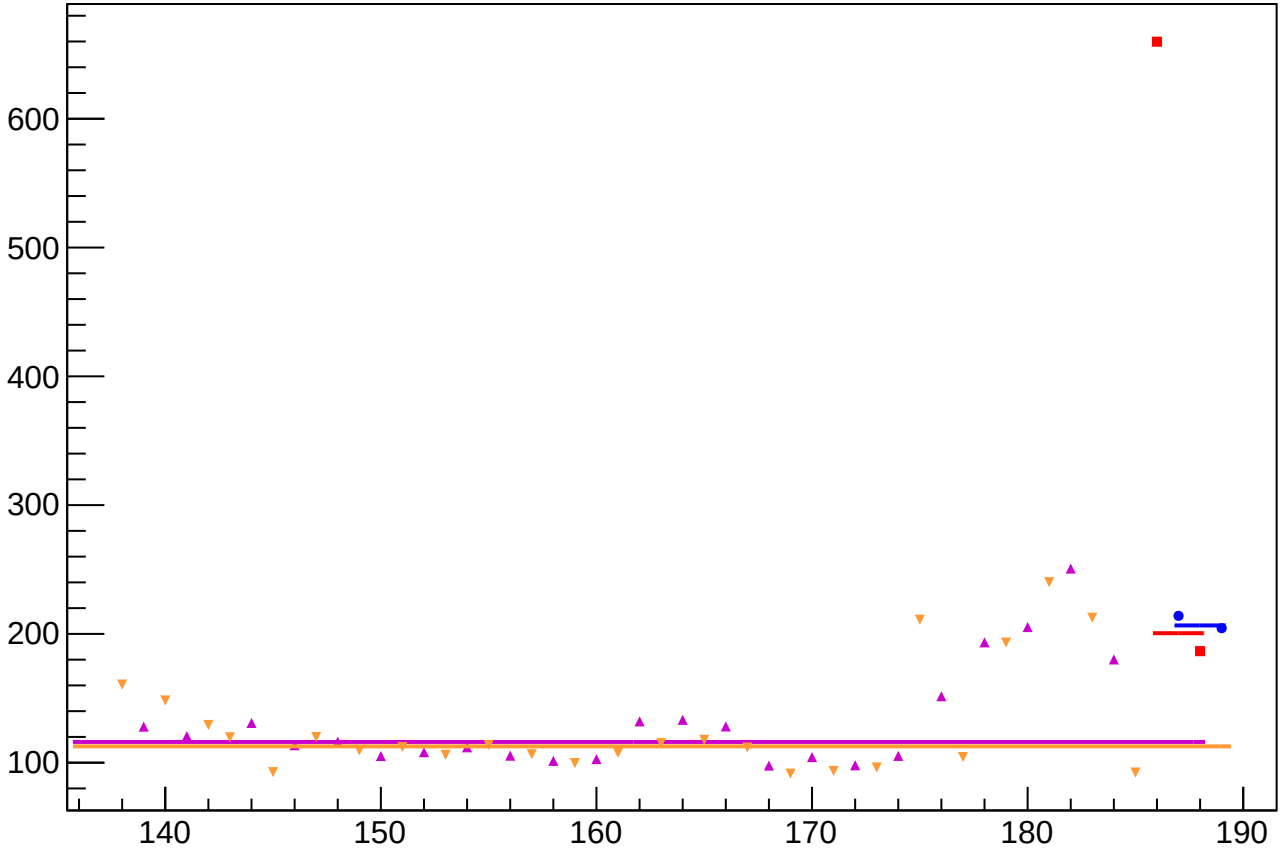
Left In: -88.085+/-28.764 $\chi^2$/NDF:30.4/22

+ sign 52.830+/-27.314 $\chi^2$/NDF: 19.4/26

All: -14.244+/-19.706 $\chi^2$/NDF: 62.8/51

- sign -87.049+/-28.457 $\chi^2$/NDF: 30.8/24

# dit_asym_sam_3748_avg_rms vs Slug




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

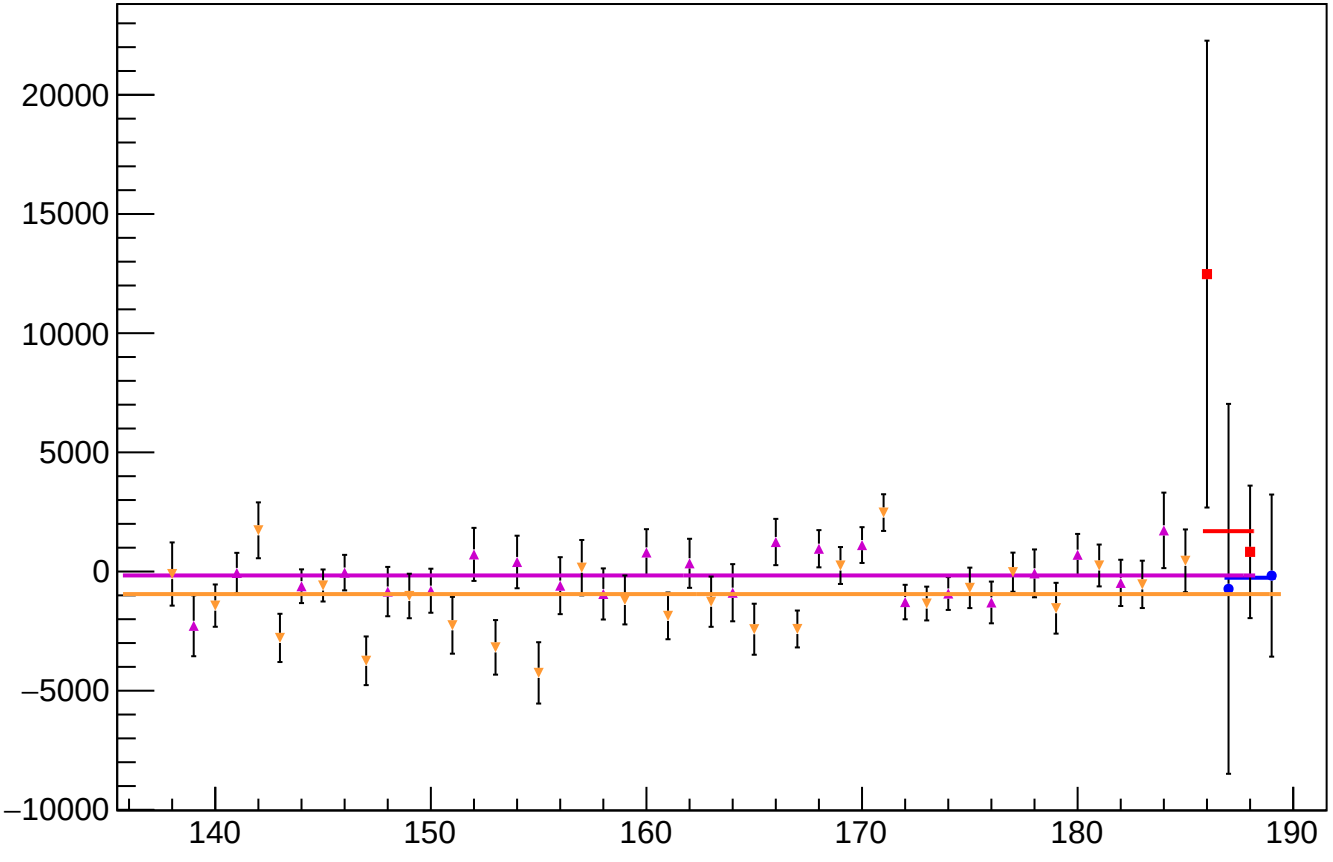
Left In: 116.108+/-0.020 $\chi^2$/NDF:1438879.3/22

+ sign 113.675+/-0.019 $\chi^2$/NDF: 2102619.1/26

All: 115.699+/-0.014 $\chi^2$/NDF: 4264256.7/51

- sign 117.896+/-0.020 $\chi^2$/NDF: 2138726.9/24

# asym_sam_3748_avg_correction_mean vs Slug




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

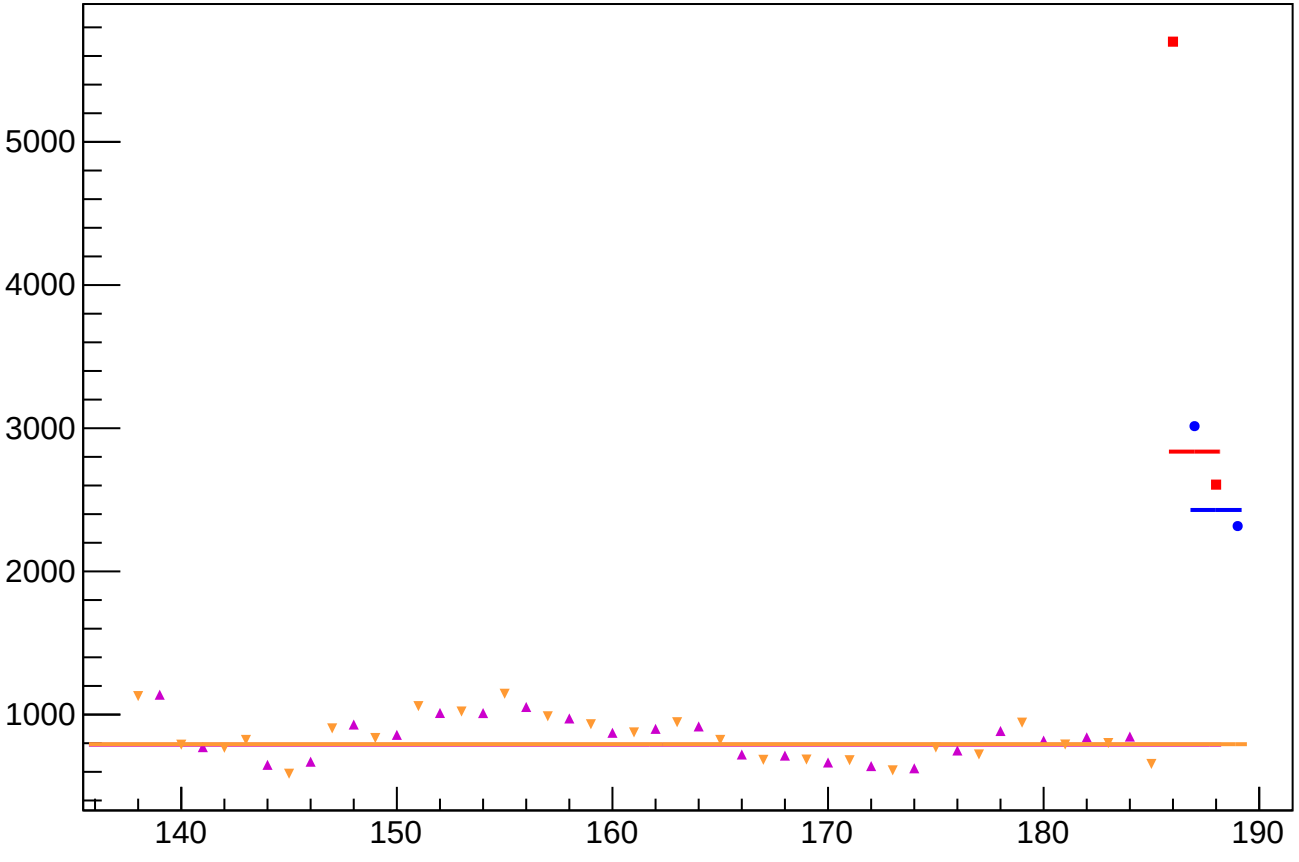
Left In: -164.202+/-191.131 $\chi^2$/NDF:22.0/22

+ sign -943.903+/-188.323 $\chi^2$/NDF: 63.4/26

All: -554.164+/-133.978 $\chi^2$/NDF: 95.9/51

- sign -154.757+/-190.645 $\chi^2$/NDF: 23.8/24

# asym_sam_3748_avg_correction_rms vs Slug




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

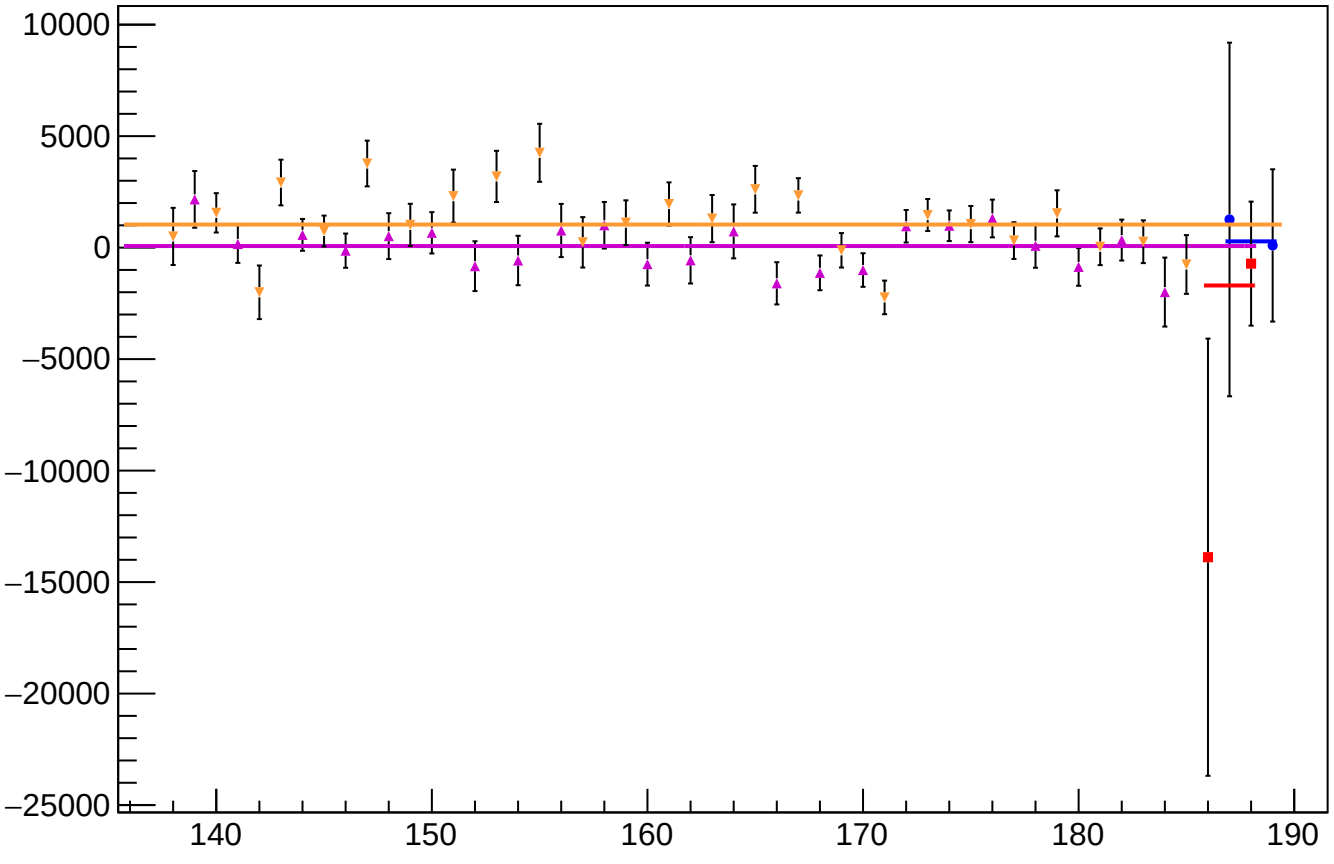
Left In: 789.699+/-0.135 $\chi^2$/NDF:1019959.0/22

+ sign 799.135+/-0.133 $\chi^2$/NDF: 1722150.8/26

All: 799.614+/-0.095 $\chi^2$/NDF: 4093089.0/51

- sign 800.105+/-0.135 $\chi^2$/NDF: 2370912.1/24

# asym_sam_3748_avg_mean vs Slug




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

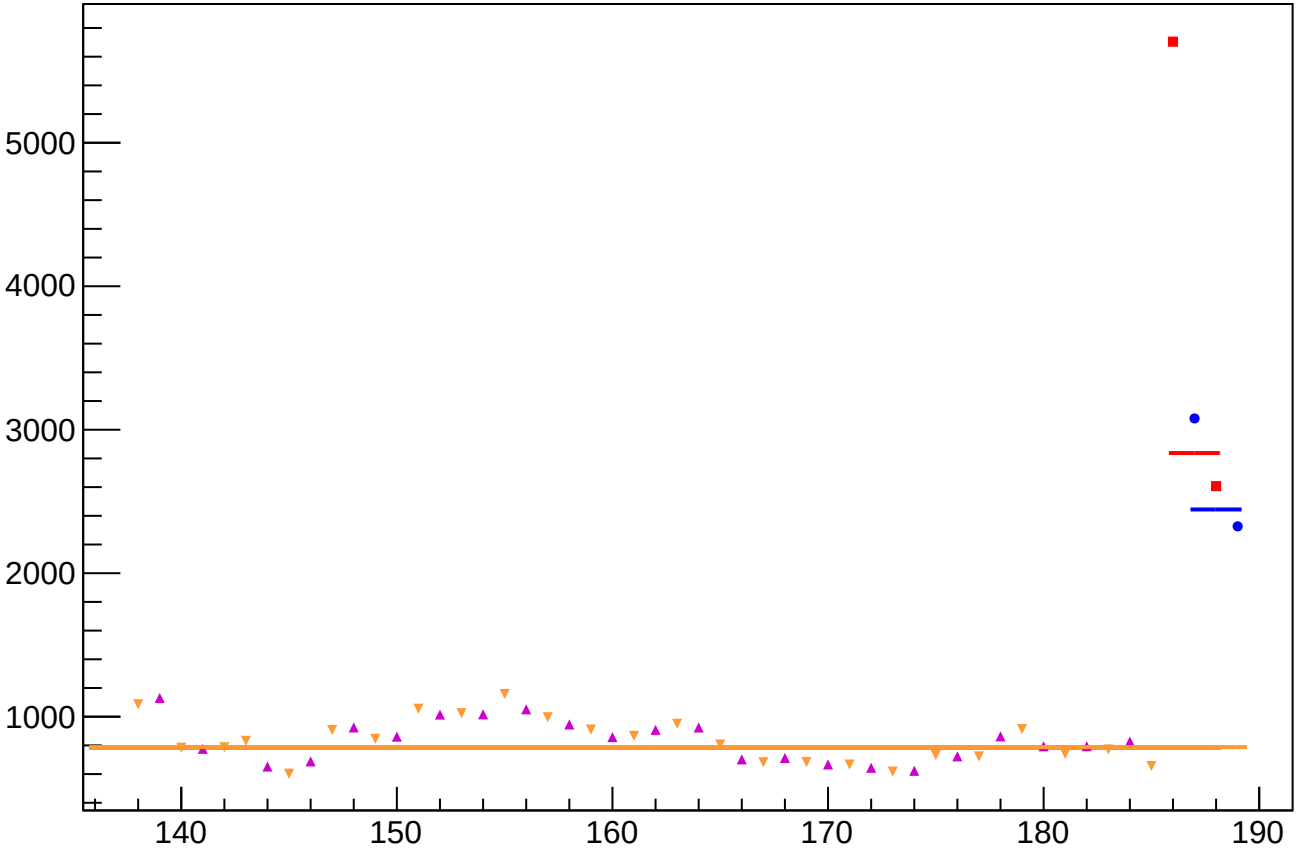
Left In: 70.852+/-190.155 $\chi^2$/NDF:23.4/22

+ sign 1032.925+/-186.911 $\chi^2$/NDF: 61.4/26

All: 554.576+/-133.133 $\chi^2$/NDF: 100.2/51

- sign 61.963+/-189.677 $\chi^2$/NDF: 25.5/24

# asym_sam_3748_avg_rms vs Slug




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

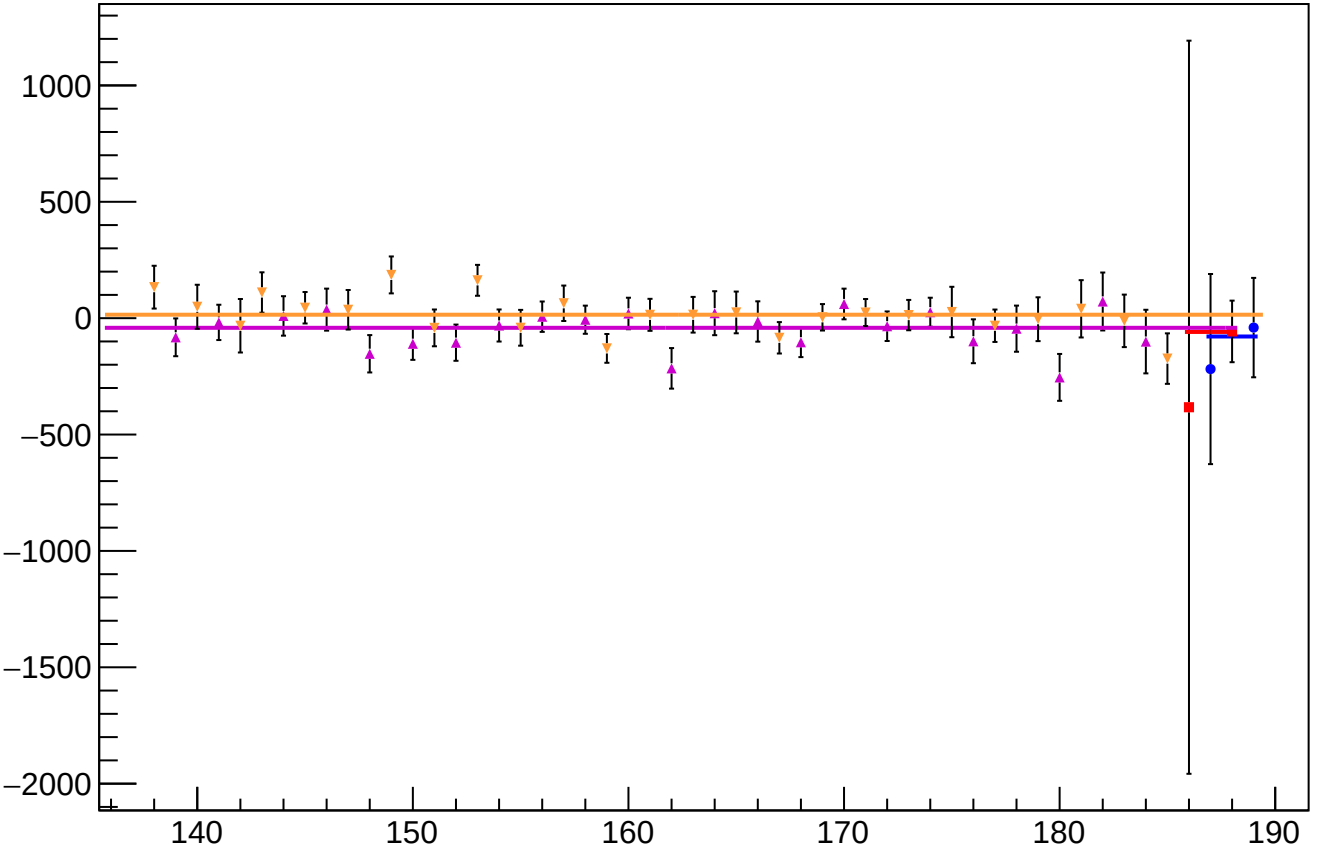
Left In: 785.179+/-0.134 $\chi^2$/NDF:976942.0/22

+ sign 793.862+/-0.132 $\chi^2$/NDF: 1684791.4/26

All: 794.666+/-0.094 $\chi^2$/NDF: 4017618.2/51

- sign 795.495+/-0.134 $\chi^2$/NDF: 2332751.7/24

# dit_asym_sam_1526_avg_mean vs Slug




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

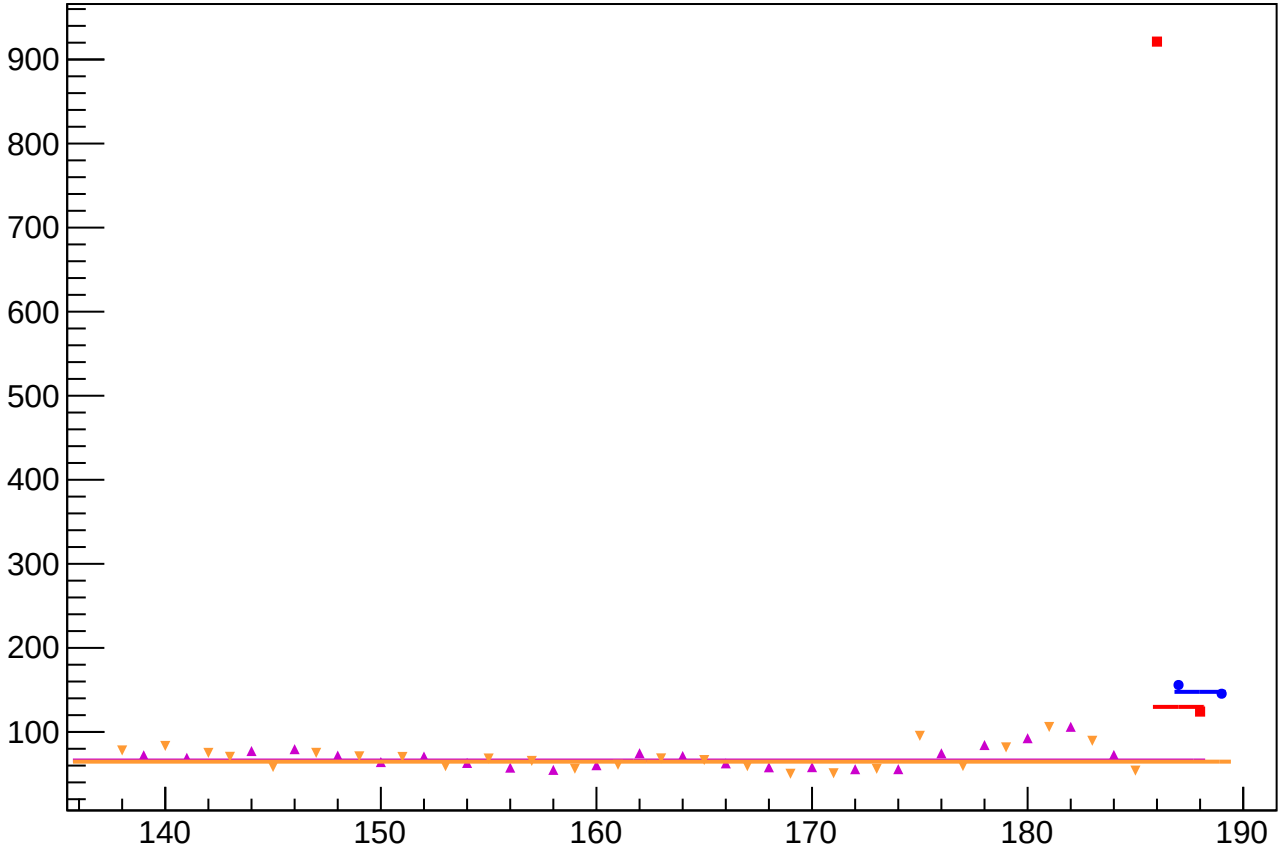
Left In: -41.428+/-16.130 $\chi^2$/NDF:21.7/22

+ sign 14.253+/-15.477 $\chi^2$/NDF: 26.2/26

All: -12.771+/-11.128 $\chi^2$/NDF: 54.3/51

- sign -41.690+/-16.011 $\chi^2$/NDF: 21.7/24

# dit_asym_sam_1526_avg_rms vs Slug




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

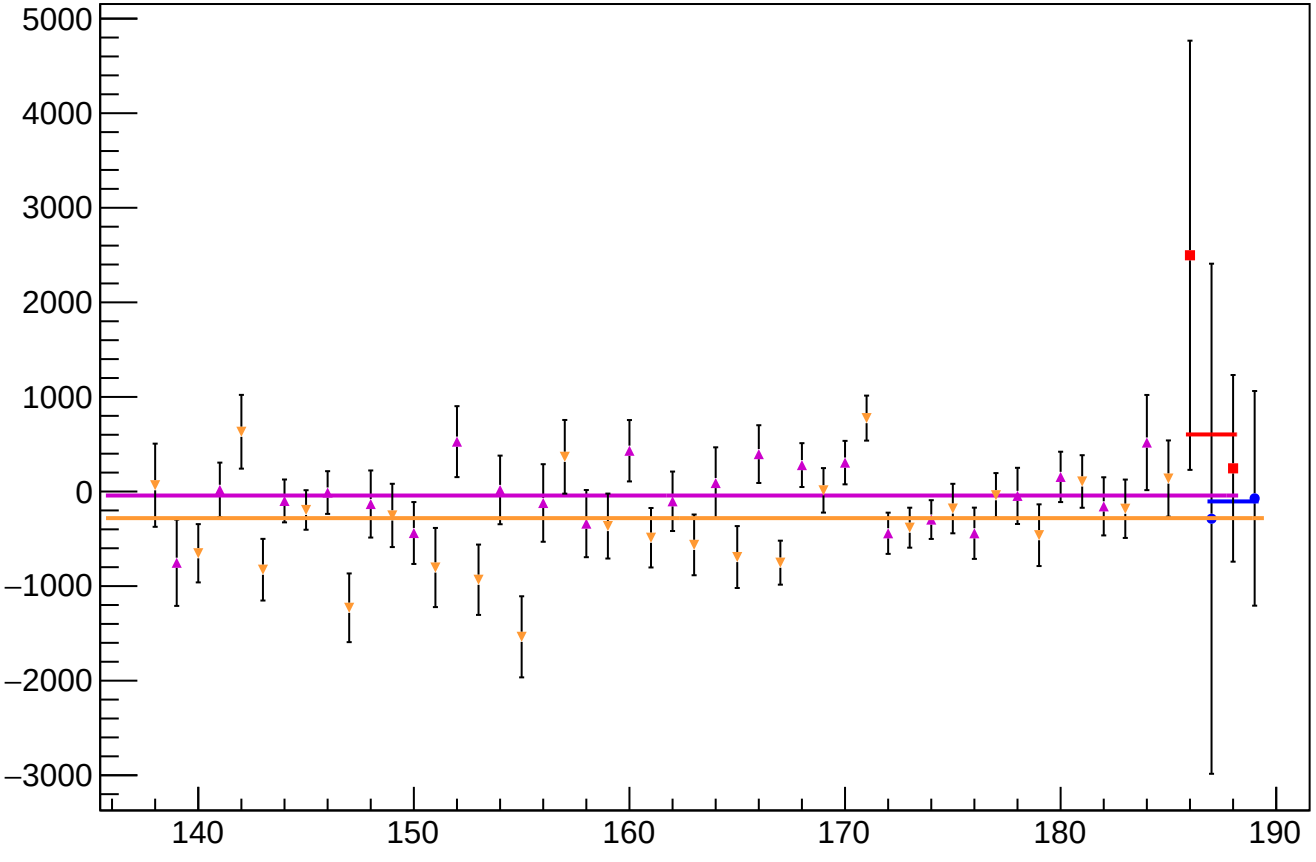
Left In: 66.016+/-0.011 $\chi^2$/NDF:868433.2/22

+ sign 65.235+/-0.011 $\chi^2$/NDF: 1533885.6/26

All: 66.067+/-0.008 $\chi^2$/NDF: 3384859.3/51

- sign 66.958+/-0.011 $\chi^2$/NDF: 1839006.5/24

# asym_sam_1526_avg_correction_mean vs Slug




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

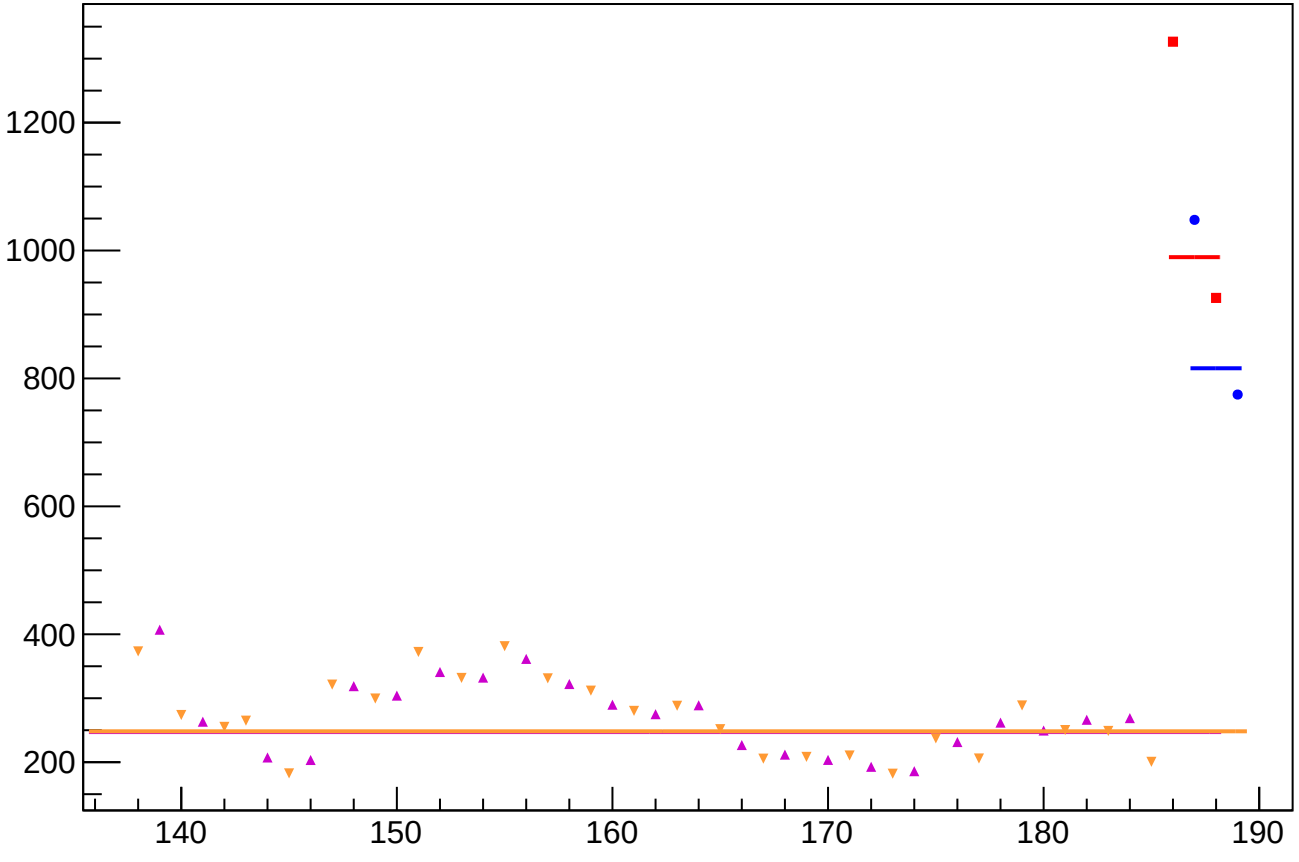
Left In: -42.368+/-60.284 $\chi^2$/NDF:24.7/22

+ sign -280.836+/-59.438 $\chi^2$/NDF: 66.5/26

All: -161.615+/-42.279 $\chi^2$/NDF: 100.7/51

- sign -39.515+/-60.151 $\chi^2$/NDF: 26.0/24

# asym_sam_1526_avg_correction_rms vs Slug




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

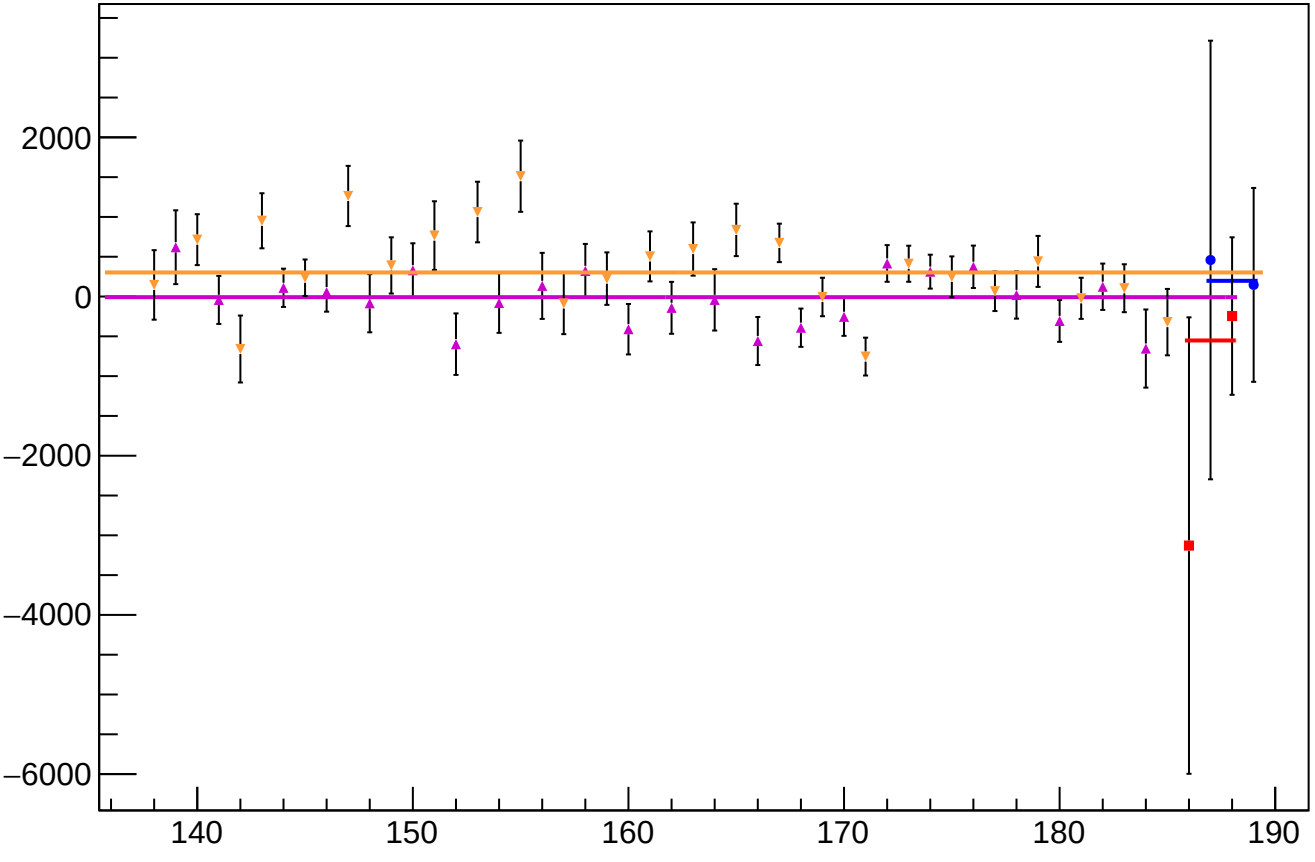
Left In: 247.105+/-0.043 $\chi^2$/NDF:1539330.1/22

+ sign 250.129+/-0.042 $\chi^2$/NDF: 2292131.2/26

All: 250.256+/-0.030 $\chi^2$/NDF: 5224182.2/51

- sign 250.385+/-0.043 $\chi^2$/NDF: 2932032.6/24

# asym_sam_1526_avg_mean vs Slug




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

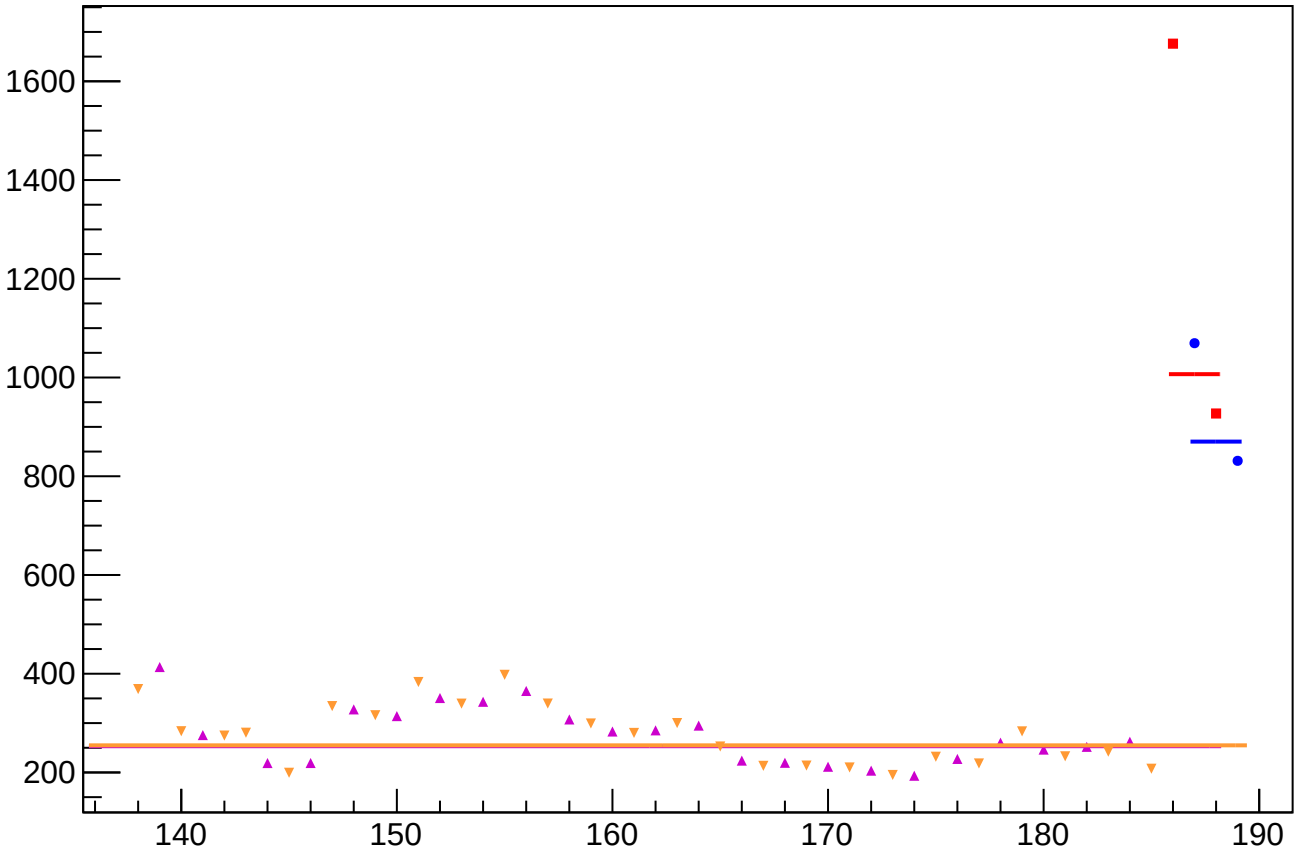
Left In: -7.915+/-61.726 $\chi^2$/NDF:26.3/22

+ sign 302.106+/-60.899 $\chi^2$/NDF: 63.9/26

All: 147.681+/-43.305 $\chi^2$/NDF: 104.4/51

- sign -10.275+/-61.592 $\chi^2$/NDF: 27.5/24

# asym_sam_1526_avg_rms vs Slug




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

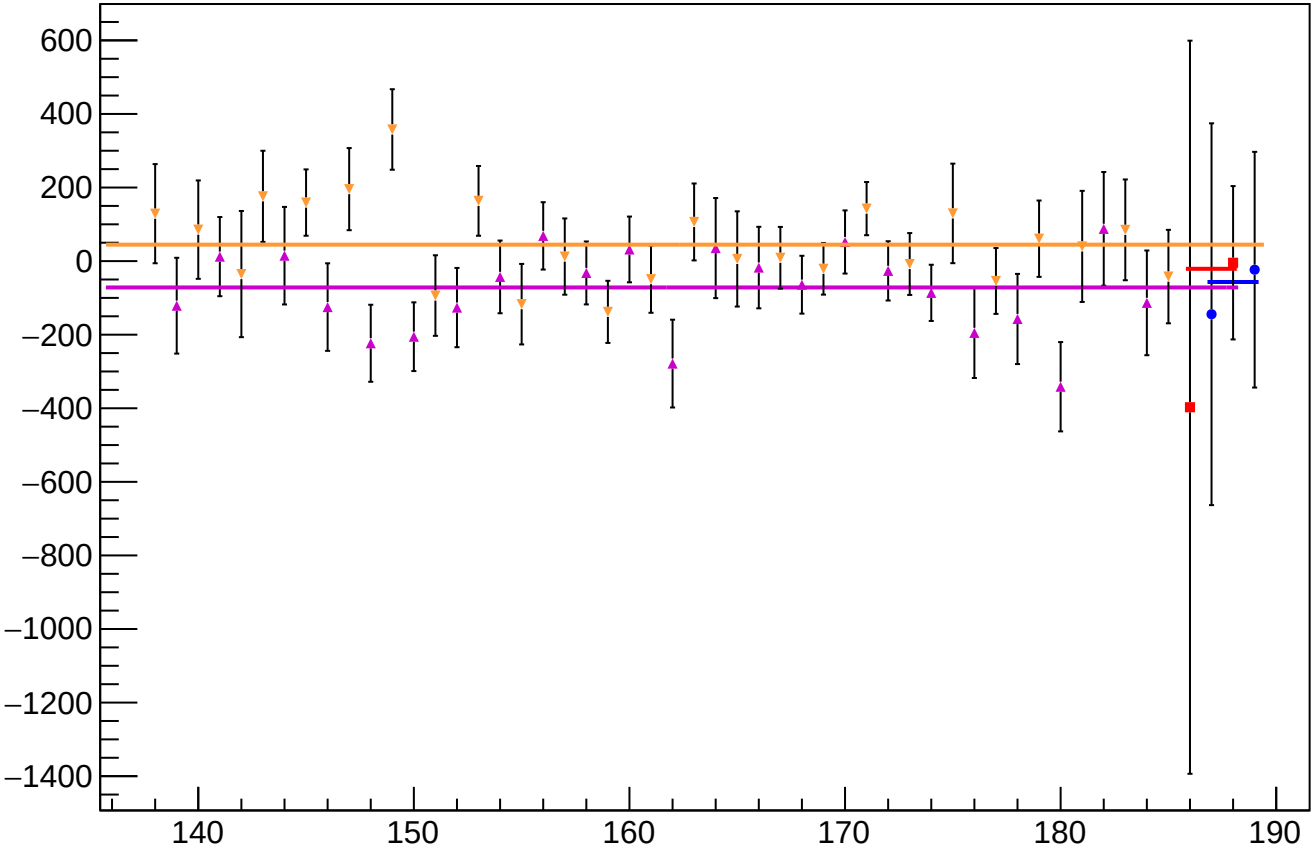
Left In: 253.170+/-0.044 $\chi^2$/NDF:1366527.6/22

+ sign 256.776+/-0.043 $\chi^2$/NDF: 2162501.2/26

All: 256.609+/-0.031 $\chi^2$/NDF: 4944139.9/51

- sign 256.439+/-0.044 $\chi^2$/NDF: 2781608.3/24

# dit_asym_sam_3726_avg_mean vs Slug




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

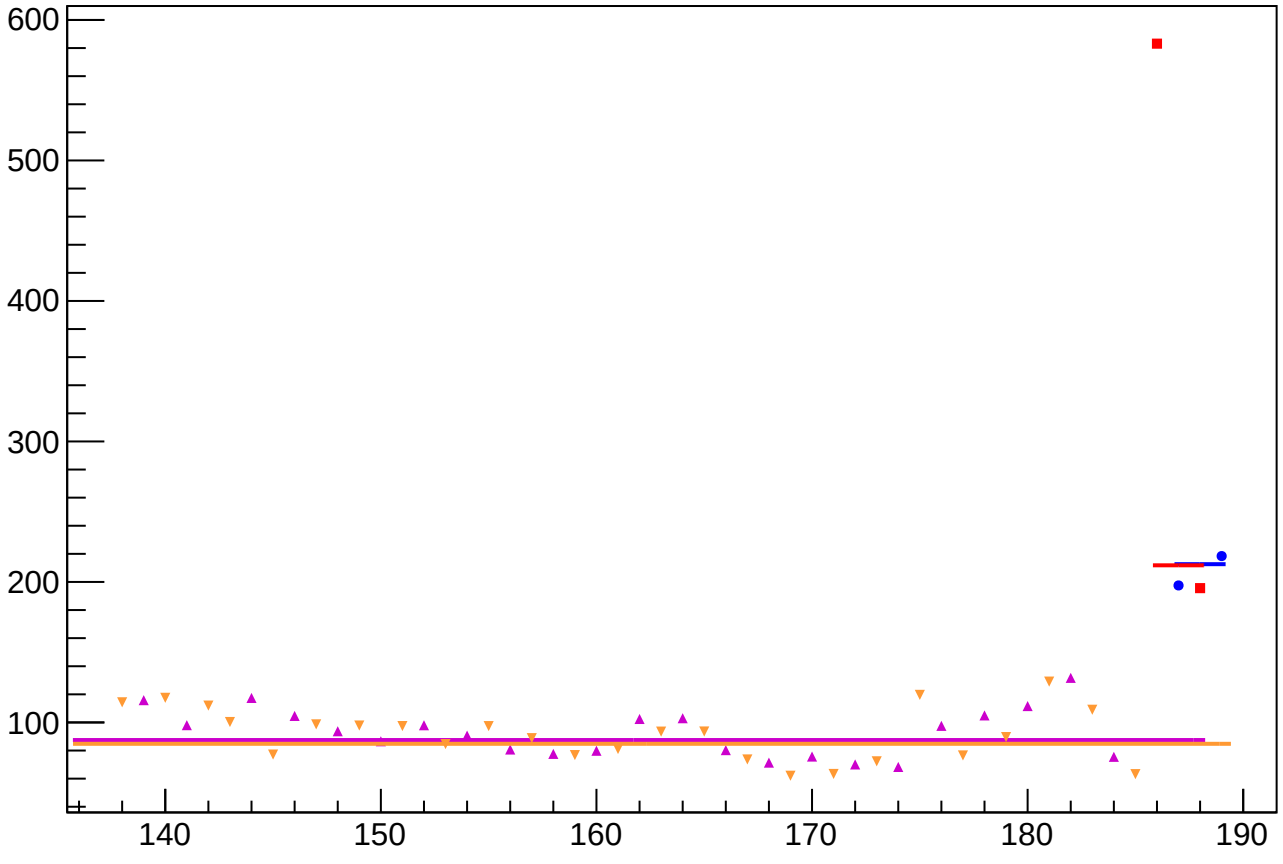
Left In: -71.620+/-21.469 $\chi^2$/NDF:23.7/22

+ sign 44.177+/-20.402 $\chi^2$/NDF: 30.7/26

All: -10.827+/-14.750 $\chi^2$/NDF: 69.8/51

- sign -71.065+/-21.351 $\chi^2$/NDF: 23.9/24

# dit_asym_sam_3726_avg_rms vs Slug




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

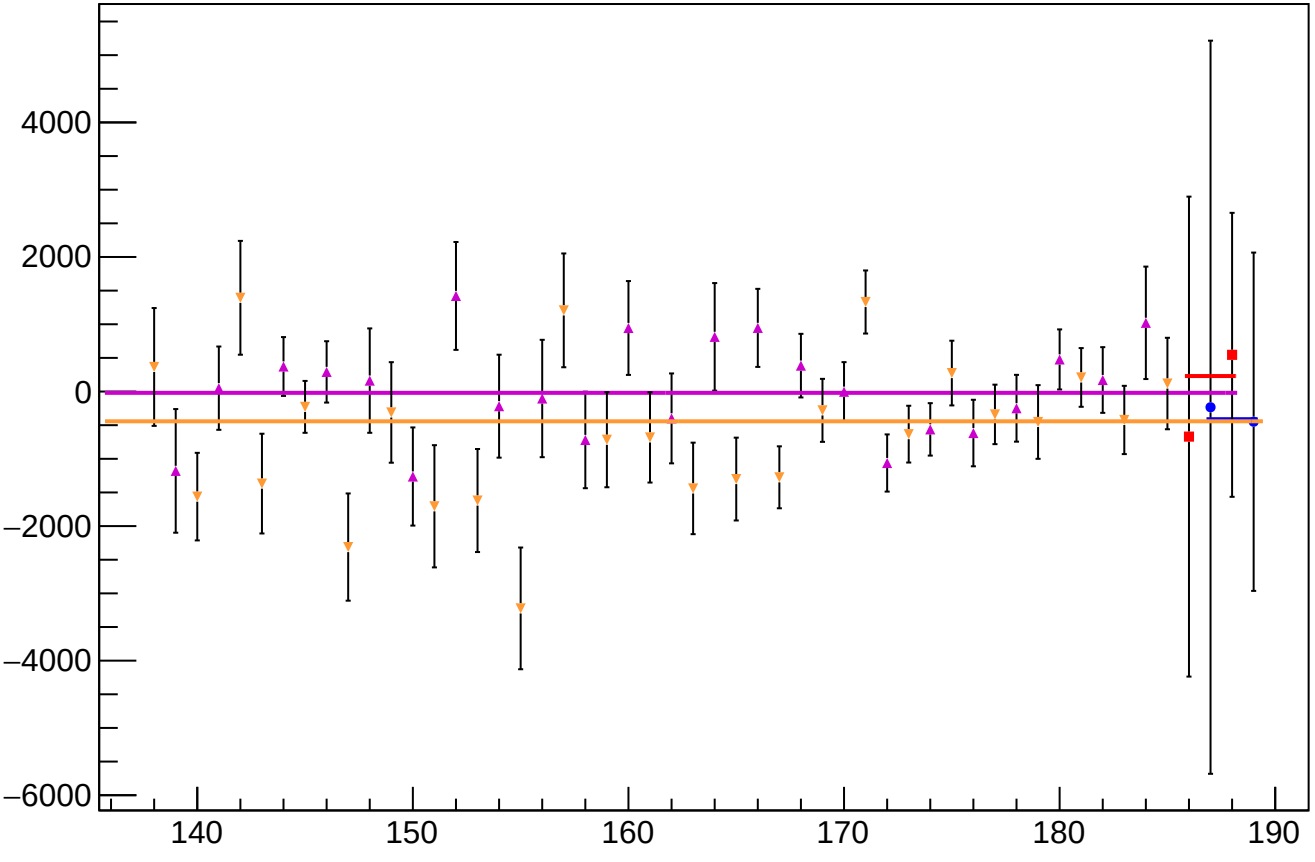
Left In: 87.477+/-0.015 $\chi^2$/NDF:1056450.2/22

+ sign 85.509+/-0.014 $\chi^2$/NDF: 1822785.7/26

All: 87.099+/-0.010 $\chi^2$/NDF: 3929648.1/51

- sign 88.839+/-0.015 $\chi^2$/NDF: 2081425.1/24

# asym_sam_3726_avg_correction_mean vs Slug




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

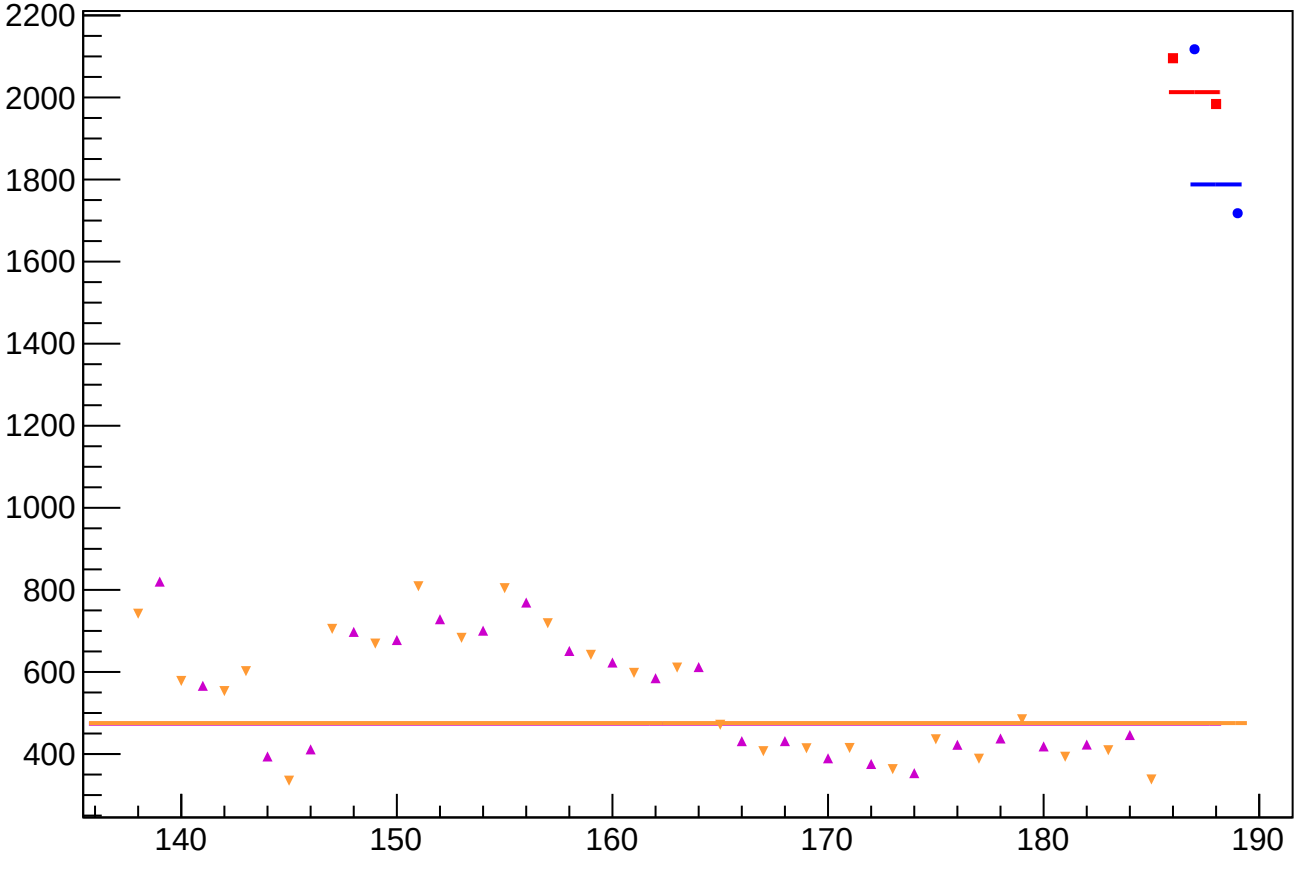
Left In: -19.322+/-116.820 $\chi^2$/NDF:29.5/22

+ sign -442.205+/-115.278 $\chi^2$/NDF: 60.9/26

All: -232.629+/-81.970 $\chi^2$/NDF: 97.2/51

- sign -18.293+/-116.580 $\chi^2$/NDF: 29.6/24

# asym_sam_3726_avg_correction_rms vs Slug




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

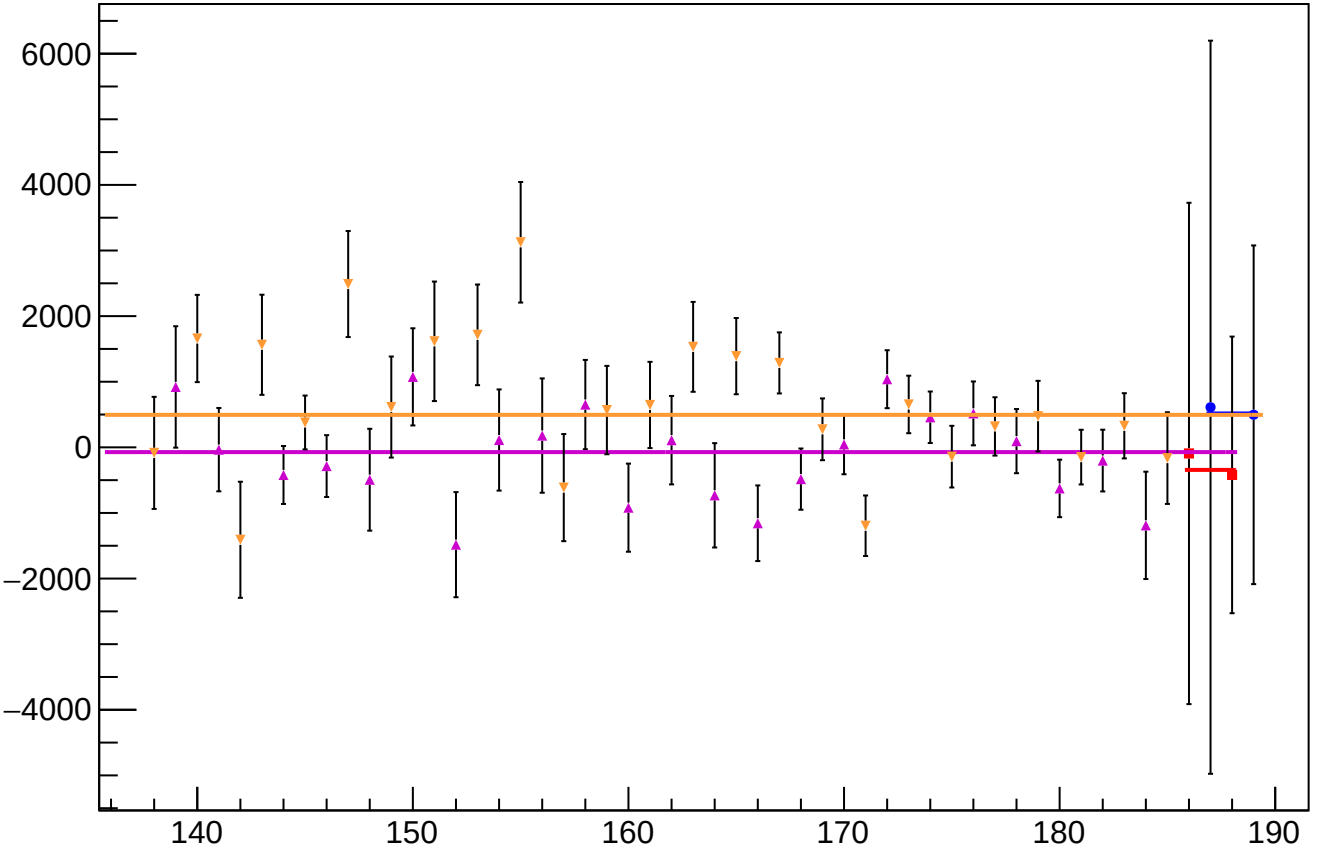
Left In: 473.947+/-0.083 $\chi^2$/NDF:2174476.6/22

+ sign 478.762+/-0.082 $\chi^2$/NDF: 3178082.4/26

All: 479.516+/-0.058 $\chi^2$/NDF: 6784106.1/51

- sign 480.286+/-0.082 $\chi^2$/NDF: 3605850.8/24

# asym_sam_3726_avg_mean vs Slug




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

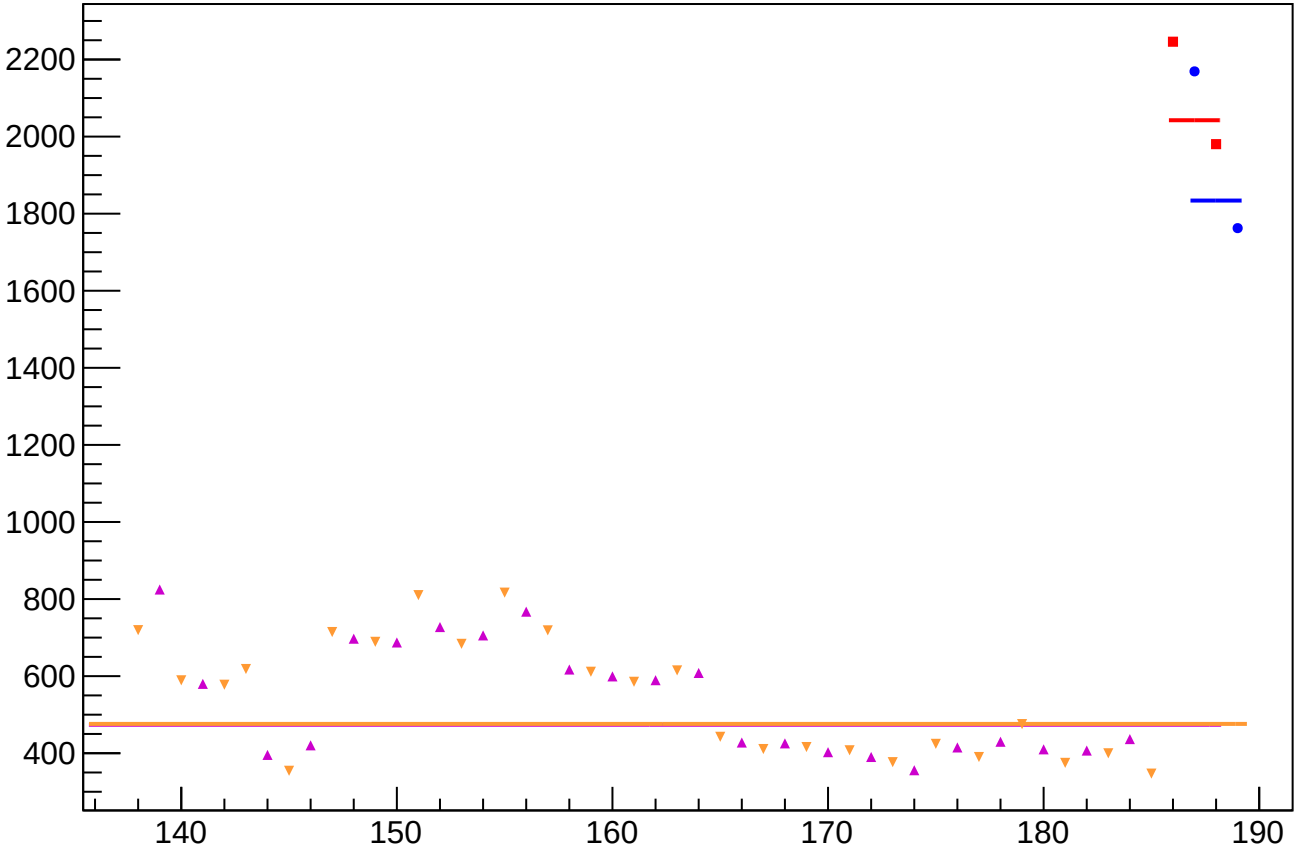
Left In: -72.627+/-116.927 $\chi^2$/NDF:29.1/22

+ sign 495.311+/-115.381 $\chi^2$/NDF: 57.2/26

All: 214.017+/-82.047 $\chi^2$/NDF: 98.3/51

- sign -73.711+/-116.693 $\chi^2$/NDF: 29.1/24

# asym_sam_3726_avg_rms vs Slug




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

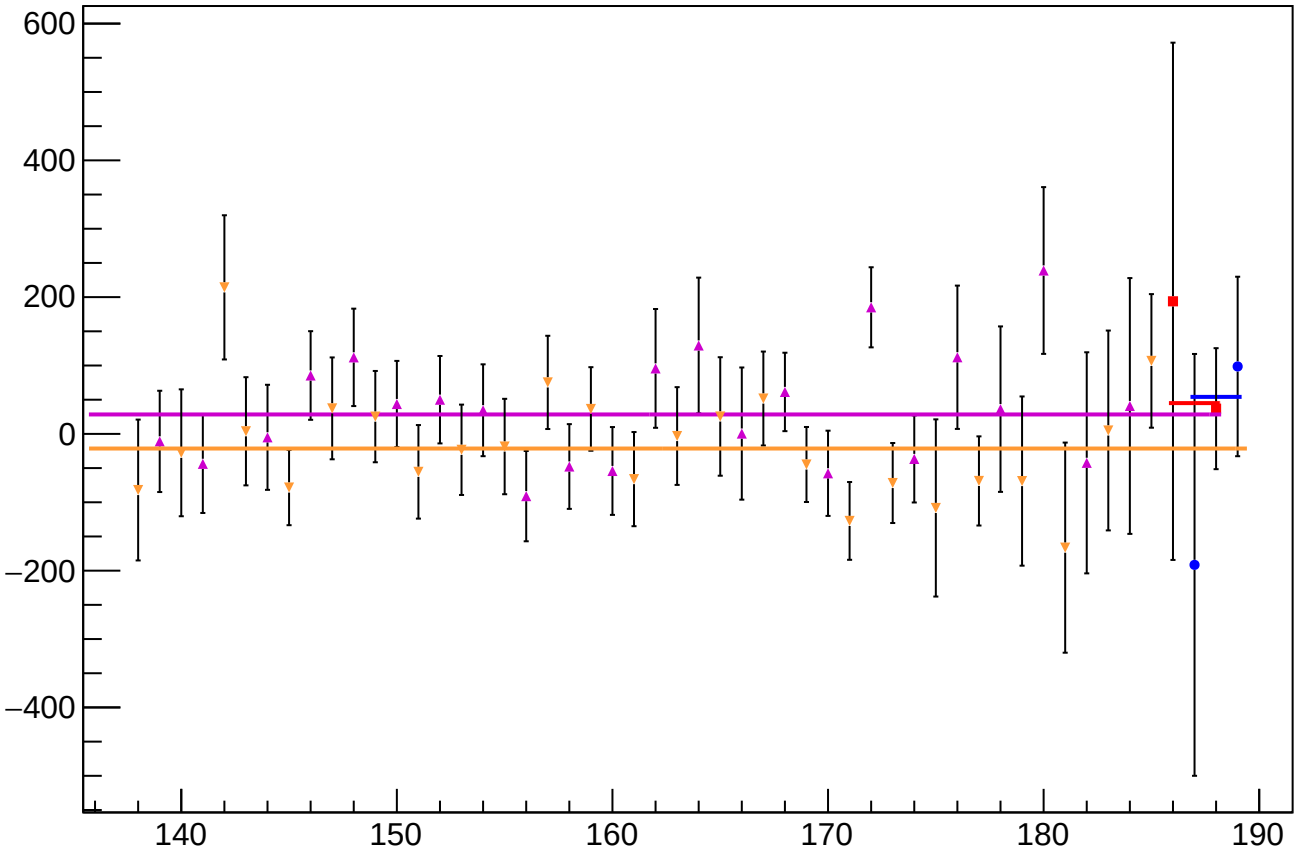
Left In: 473.824+/-0.083 $\chi^2$/NDF:2113753.1/22

+ sign 479.350+/-0.082 $\chi^2$/NDF: 3140728.2/26

All: 479.717+/-0.058 $\chi^2$/NDF: 6700679.0/51

- sign 480.094+/-0.083 $\chi^2$/NDF: 3559909.7/24

# dit_asym_sam_15_48_dd_mean vs Slug




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

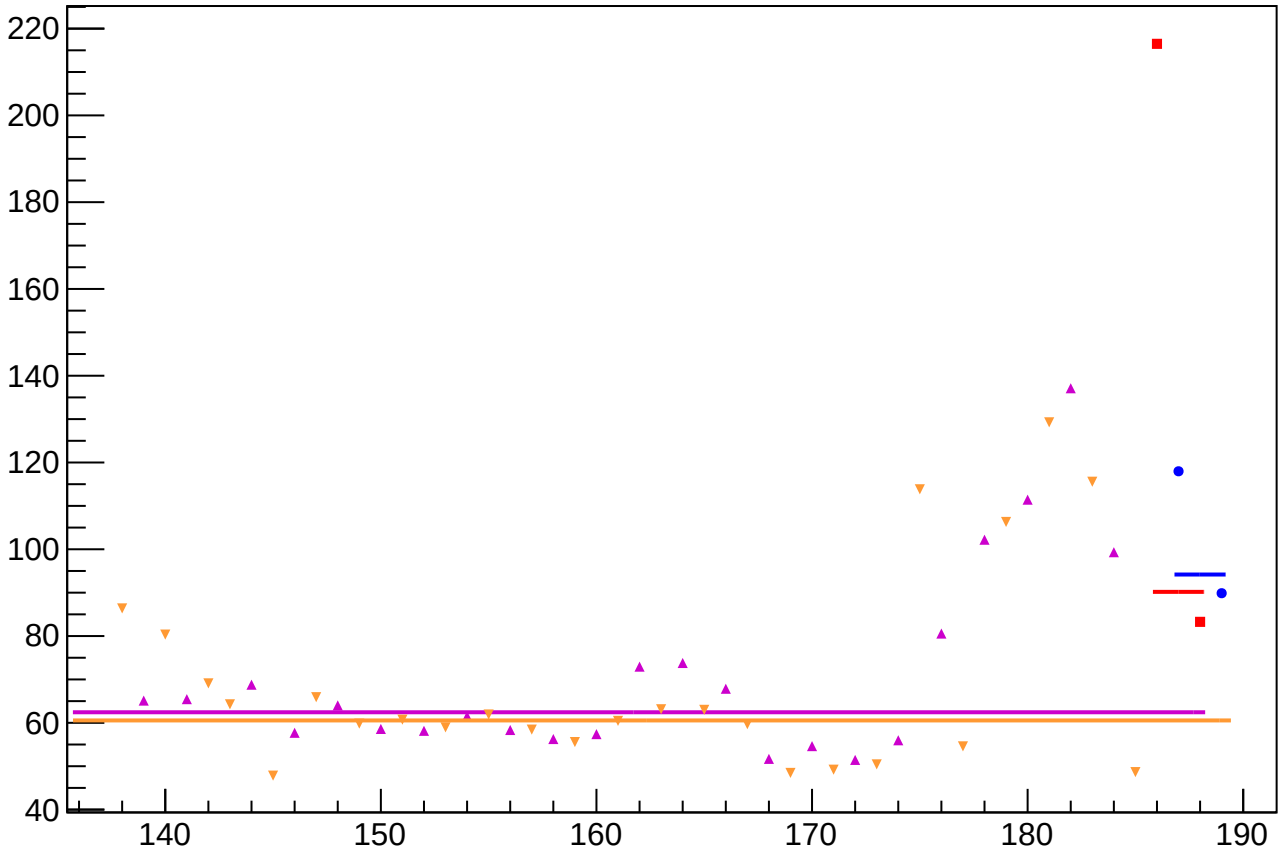
Left In: 28.435+/-15.494 $\chi^2$/NDF:26.2/22

+ sign -20.280+/-14.690 $\chi^2$/NDF: 22.0/26

All: 3.418+/-10.579 $\chi^2$/NDF: 53.8/51

- sign 28.955+/-15.249 $\chi^2$/NDF: 26.4/24

# dit_asym_sam_15_48_dd_rms vs Slug




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

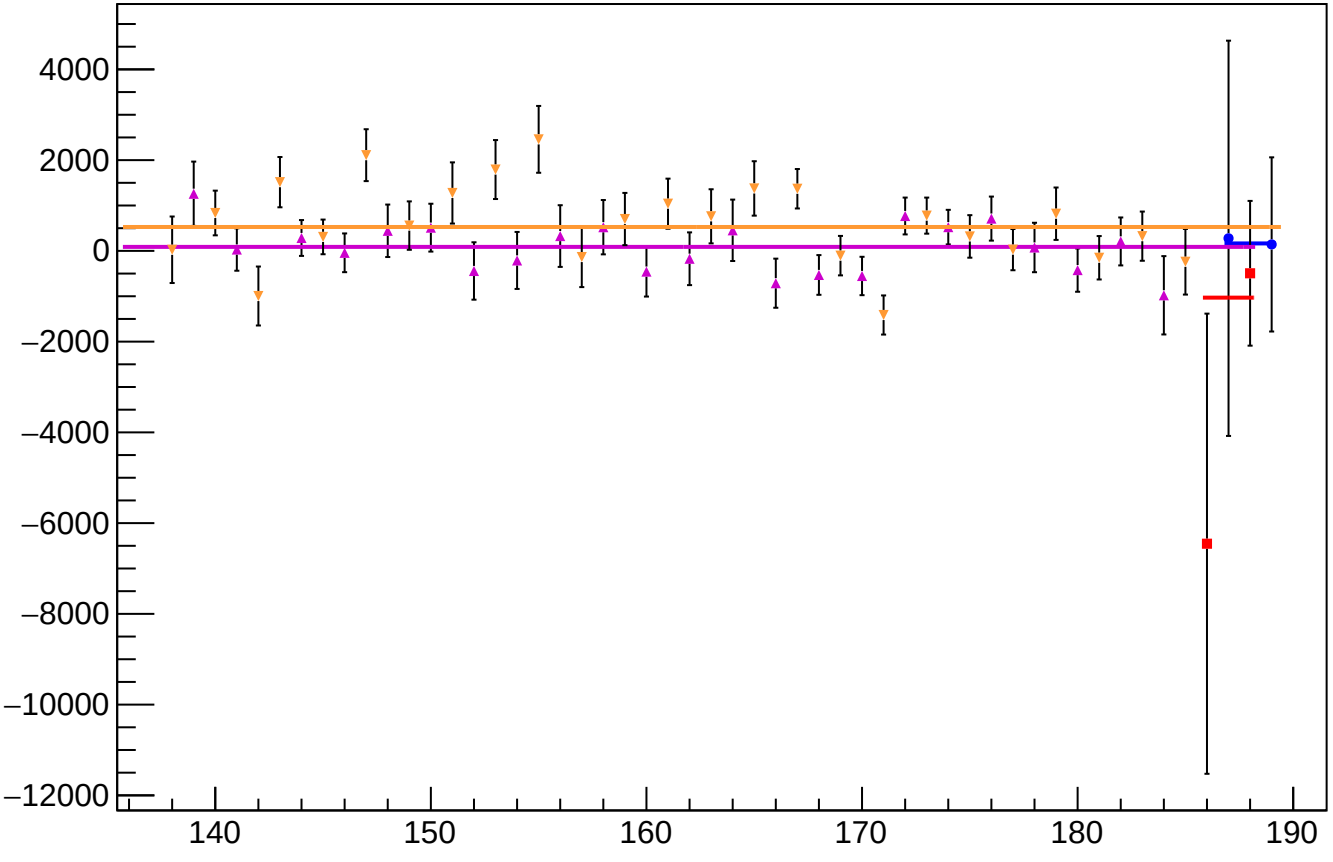
Left In: 62.435+/-0.011 $\chi^2$/NDF:1445748.2/22

+ sign 61.048+/-0.010 $\chi^2$/NDF: 2118546.8/26

All: 62.134+/-0.007 $\chi^2$/NDF: 4023319.2/51

- sign 63.304+/-0.011 $\chi^2$/NDF: 1882073.3/24

# asym_sam_15_48_dd_correction_mean vs Slug




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

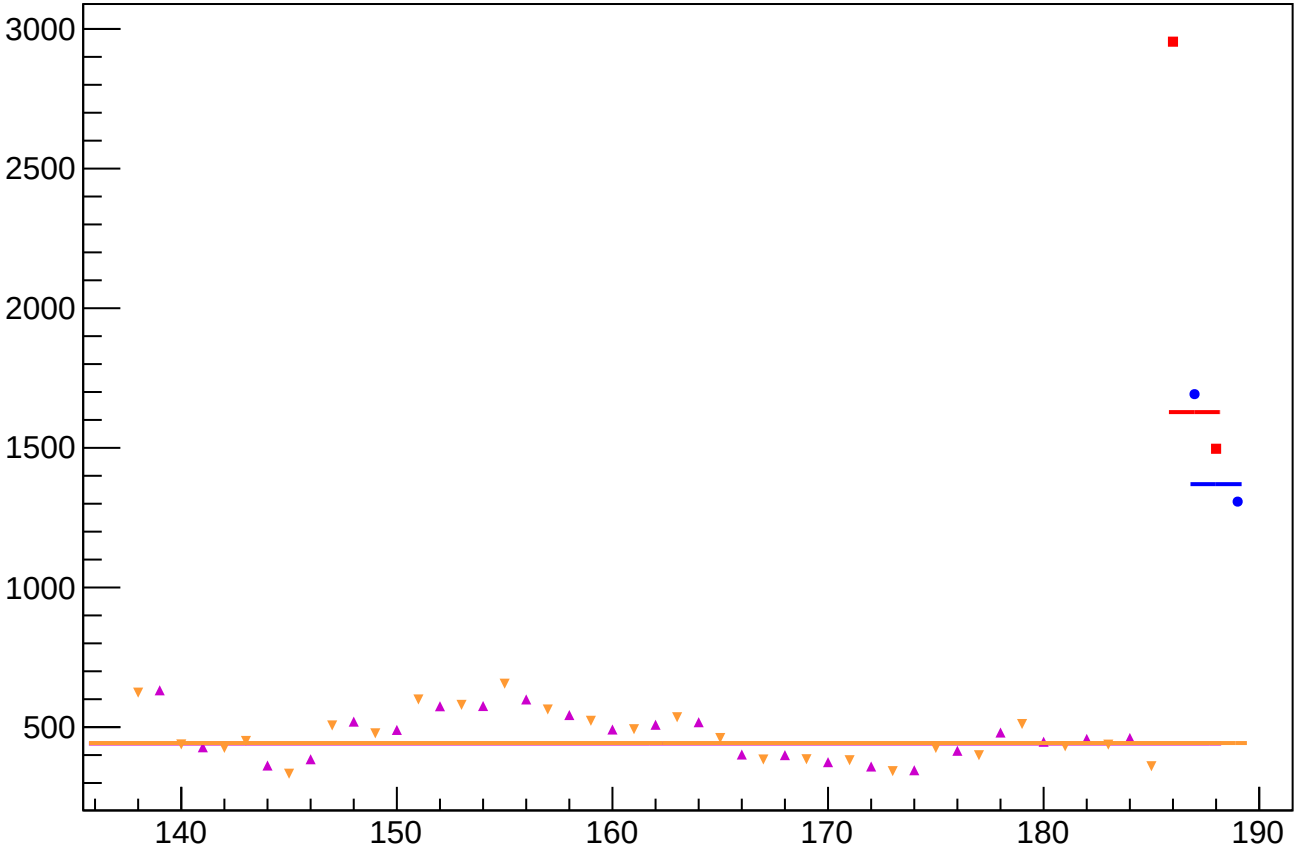
Left In: 87.989+/-106.843 $\chi^2$/NDF:22.1/22

+ sign 525.404+/-105.225 $\chi^2$/NDF: 65.0/26

All: 306.787+/-74.880 $\chi^2$/NDF: 97.7/51

- sign 82.502+/-106.580 $\chi^2$/NDF: 23.9/24

# asym_sam_15_48_dd_correction_rms vs Slug




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

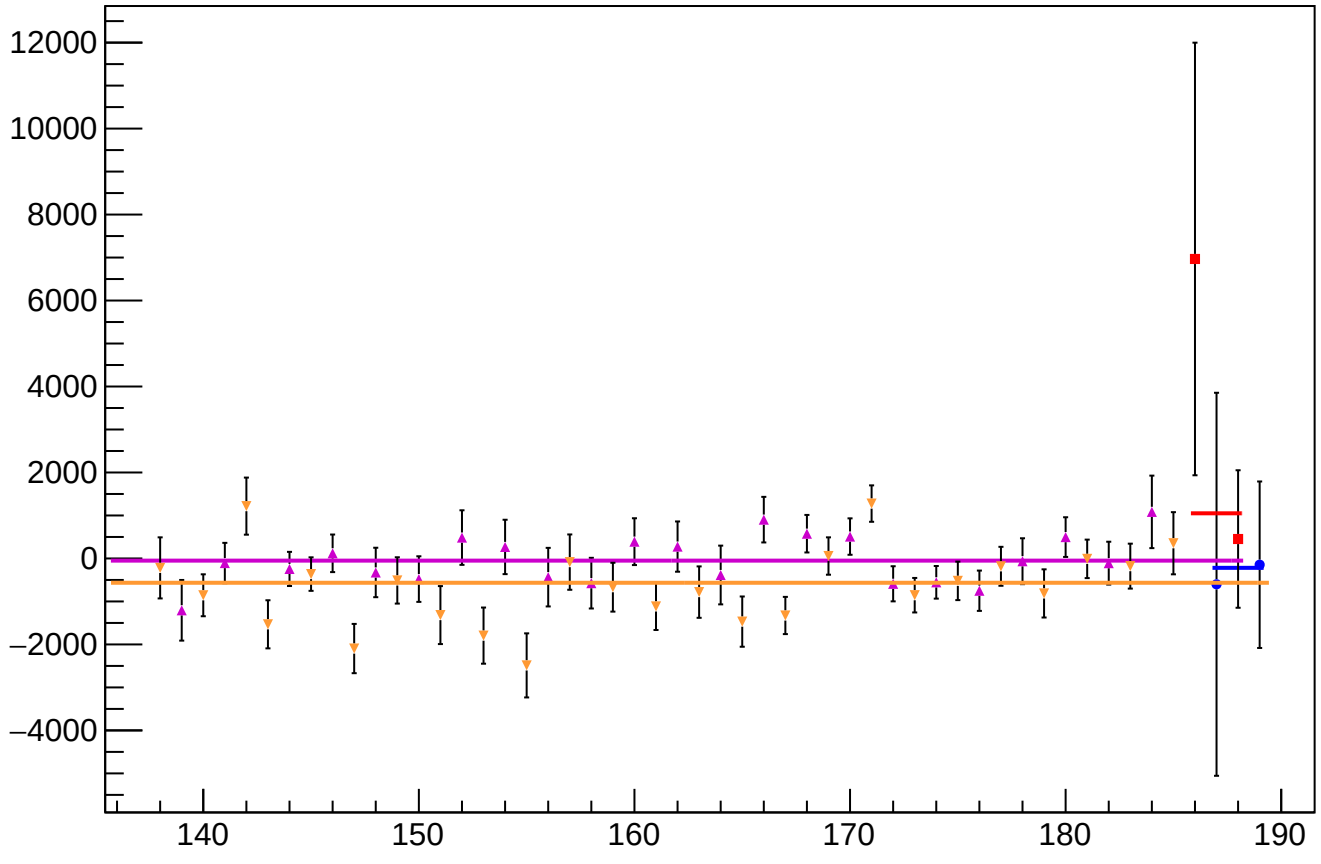
Left In: 441.359+/-0.076 $\chi^2$/NDF:1035839.5/22

+ sign 446.359+/-0.074 $\chi^2$/NDF: 1739934.9/26

All: 446.765+/-0.053 $\chi^2$/NDF: 4136676.2/51

- sign 447.181+/-0.075 $\chi^2$/NDF: 2396681.0/24

# asym_sam_15_48_dd_mean vs Slug




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

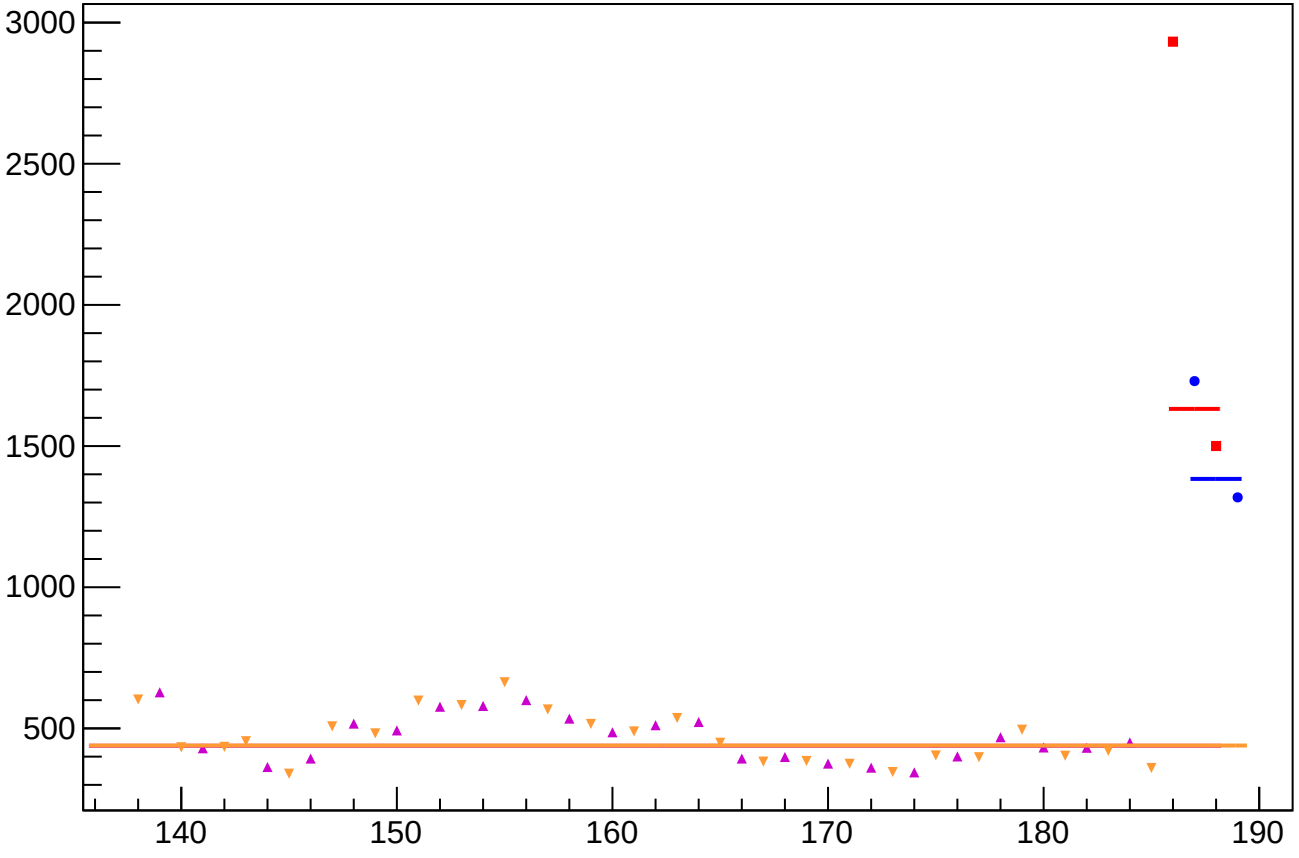
Left In: -50.387+/-106.218 $\chi^2$/NDF:23.3/22

+ sign -564.347+/-104.280 $\chi^2$/NDF: 63.0/26

All: -308.859+/-74.324 $\chi^2$/NDF: 100.5/51

- sign -45.068+/-105.961 $\chi^2$/NDF: 25.3/24

# asym_sam_15_48_dd_rms vs Slug




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

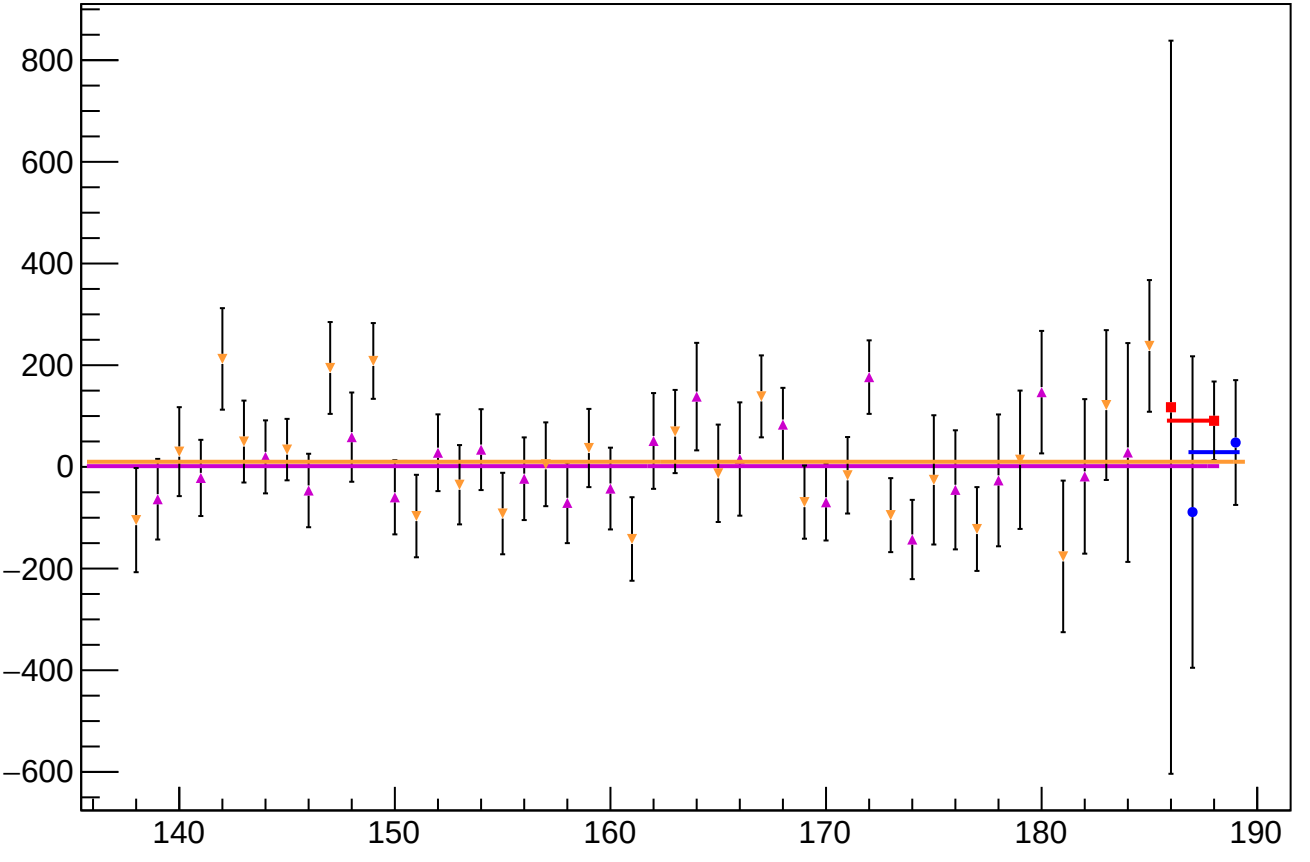
Left In: 438.365+/-0.075 $\chi^2$/NDF:1024661.1/22

+ sign 442.570+/-0.074 $\chi^2$/NDF: 1741995.3/26

All: 443.338+/-0.053 $\chi^2$/NDF: 4133948.8/51

- sign 444.132+/-0.075 $\chi^2$/NDF: 2391732.8/24

# dit_asym_sam_37_48_dd_mean vs Slug




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

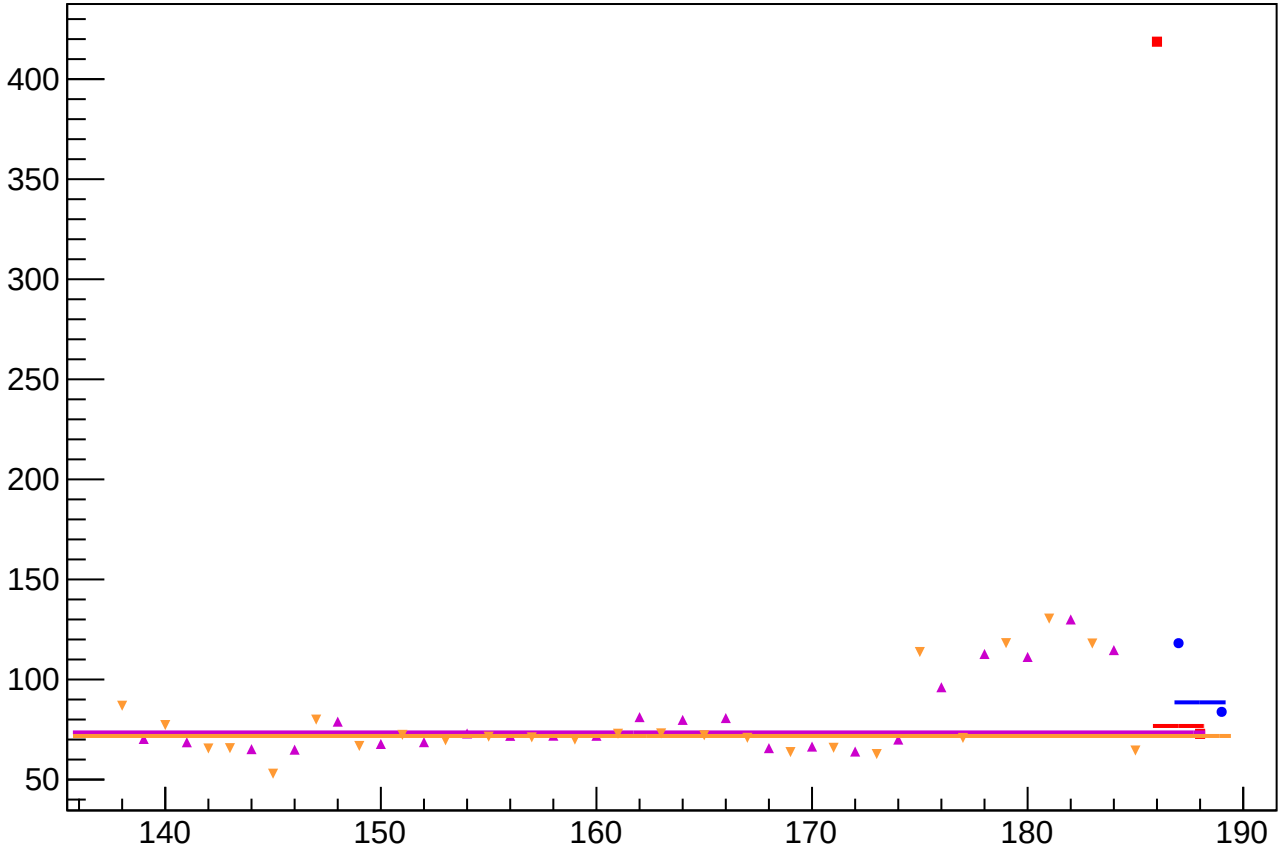
Left In: 1.434+/-17.926 $\chi^2$/NDF:19.0/22

+ sign 10.499+/-17.014 $\chi^2$/NDF: 38.9/26

All: 8.335+/-12.184 $\chi^2$/NDF: 59.3/51

- sign 6.056+/-17.457 $\chi^2$/NDF: 20.3/24

# dit_asym_sam_37_48_dd_rms vs Slug




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

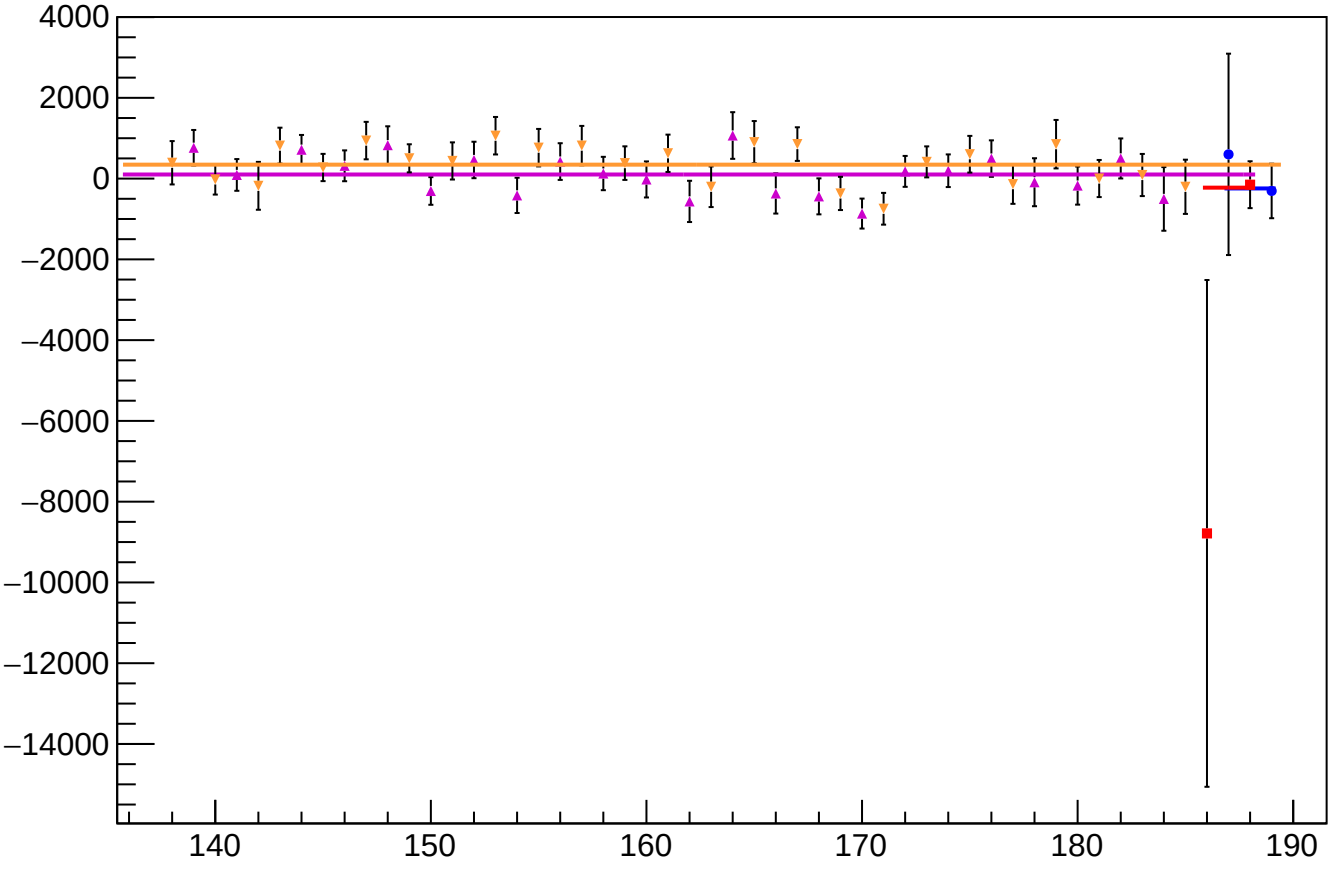
Left In: 73.558+/-0.013 $\chi^2$/NDF:1009353.9/22

+ sign 72.159+/-0.012 $\chi^2$/NDF: 1389845.4/26

All: 72.922+/-0.009 $\chi^2$/NDF: 2865731.2/51

- sign 73.725+/-0.012 $\chi^2$/NDF: 1467639.8/24

# asym_sam_37_48_dd_correction_mean vs Slug




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

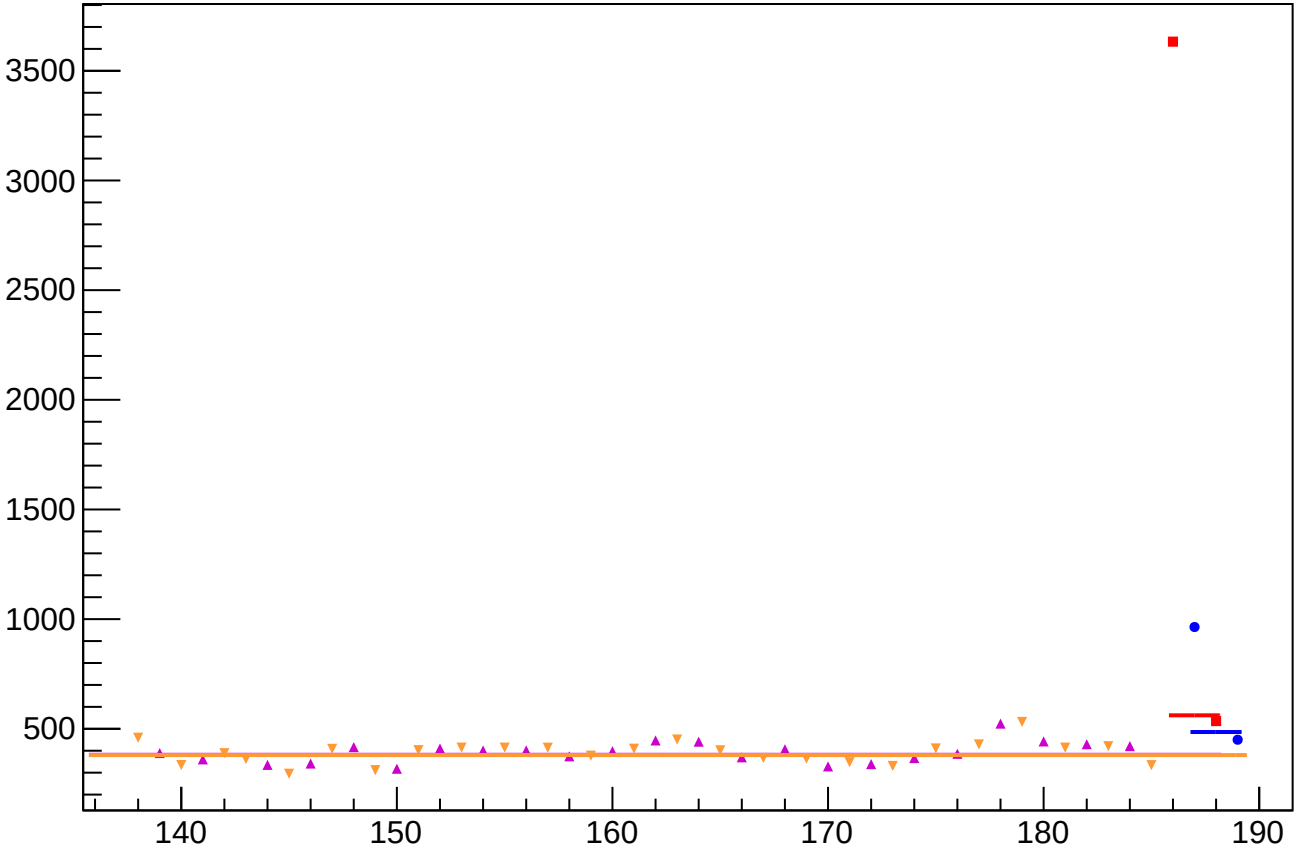
Left In: 101.648+/-91.670 $\chi^2$/NDF:28.1/22

+ sign 334.373+/-89.015 $\chi^2$/NDF: 28.3/26

All: 216.051+/-63.475 $\chi^2$/NDF: 62.1/51

- sign 93.648+/-90.538 $\chi^2$/NDF: 30.2/24

# asym_sam_37_48_dd_correction_rms vs Slug




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

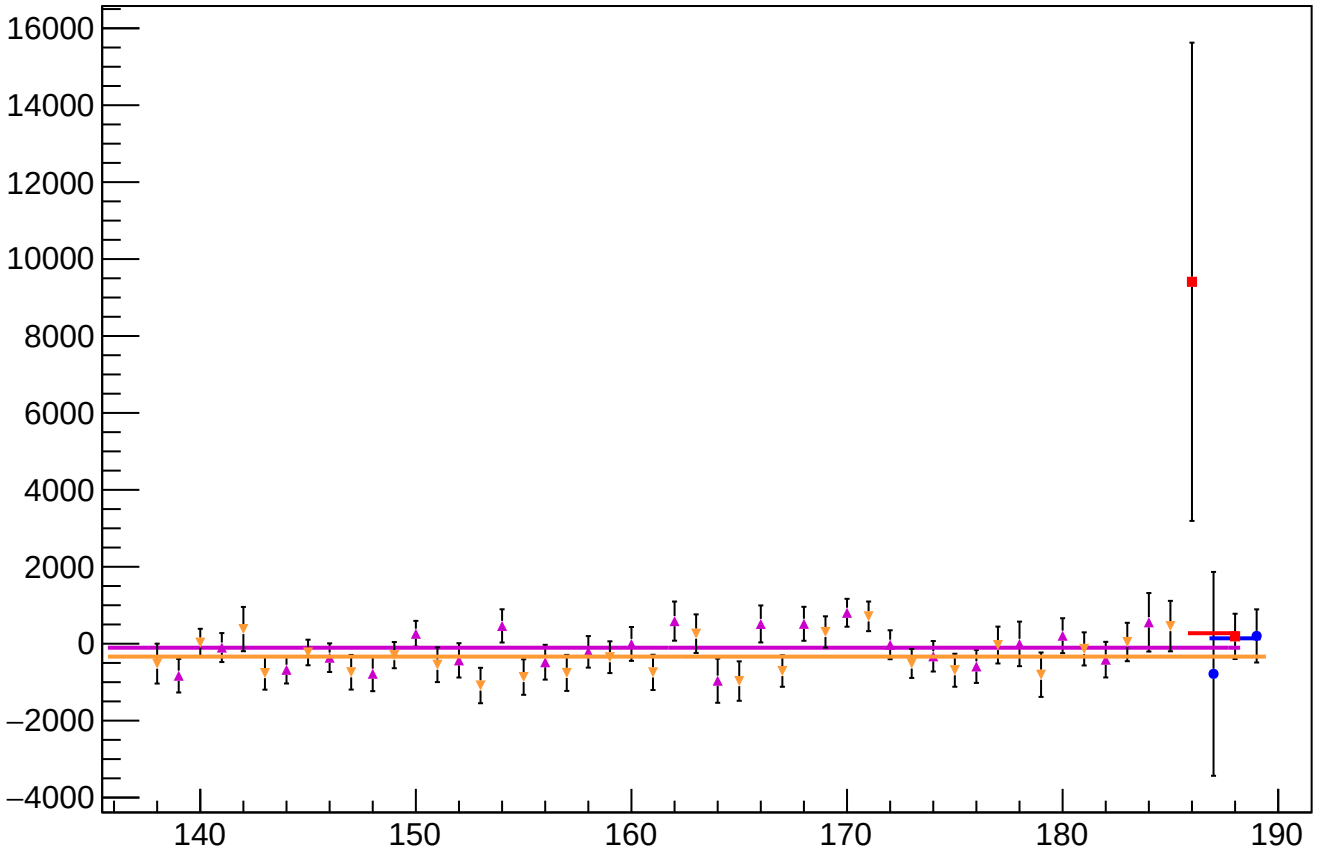
Left In: 381.474+/-0.065 $\chi^2$/NDF:461021.8/22

+ sign 382.167+/-0.063 $\chi^2$/NDF: 746824.3/26

All: 383.999+/-0.045 $\chi^2$/NDF: 1882236.3/51

- sign 385.893+/-0.064 $\chi^2$/NDF: 1133689.0/24

# asym_sam_37_48_dd_mean vs Slug




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

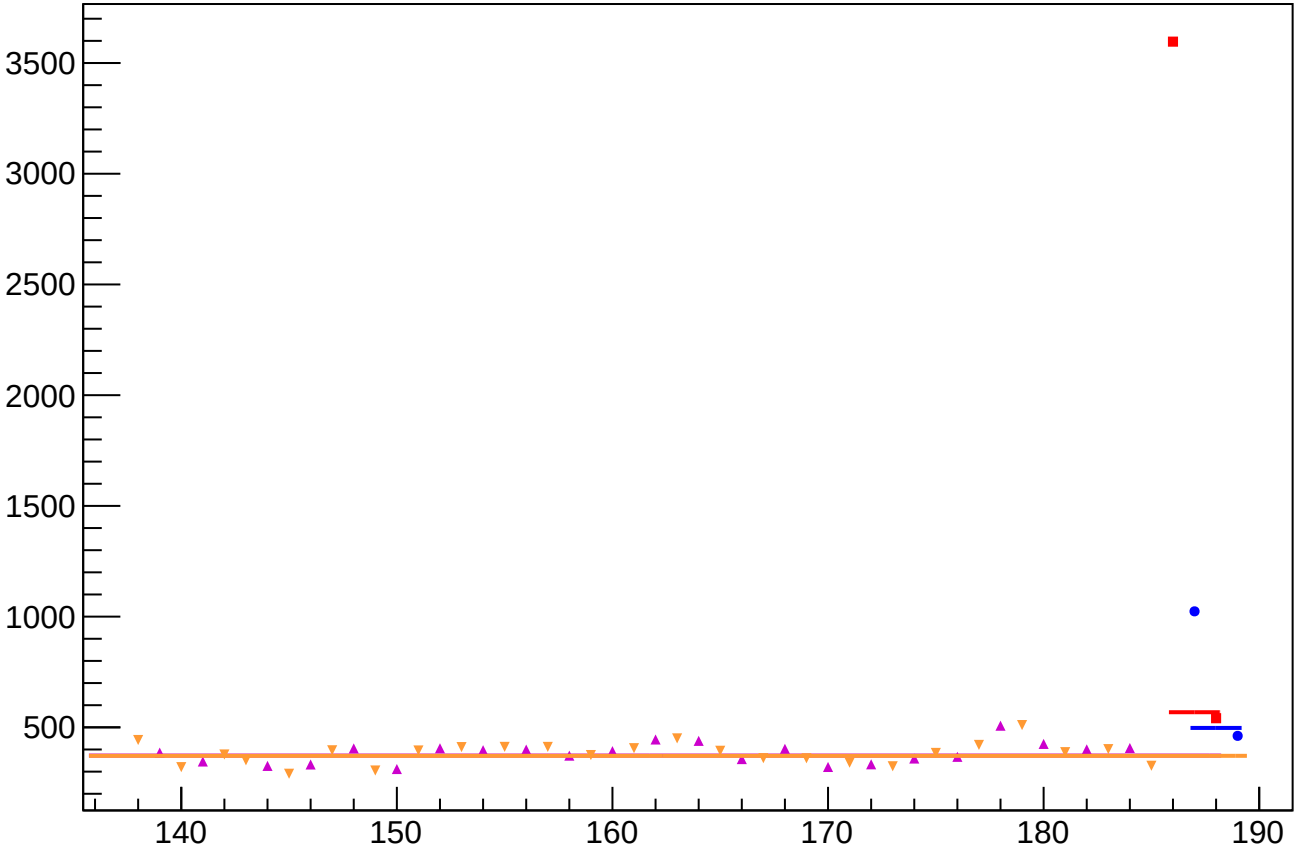
Left In: -104.117+/-89.613 $\chi^2$/NDF:29.7/22

+ sign -327.207+/-86.961 $\chi^2$/NDF: 28.9/26

All: -213.483+/-62.056 $\chi^2$/NDF: 64.7/51

- sign -95.484+/-88.581 $\chi^2$/NDF: 32.2/24

# asym_sam_37_48_dd_rms vs Slug




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

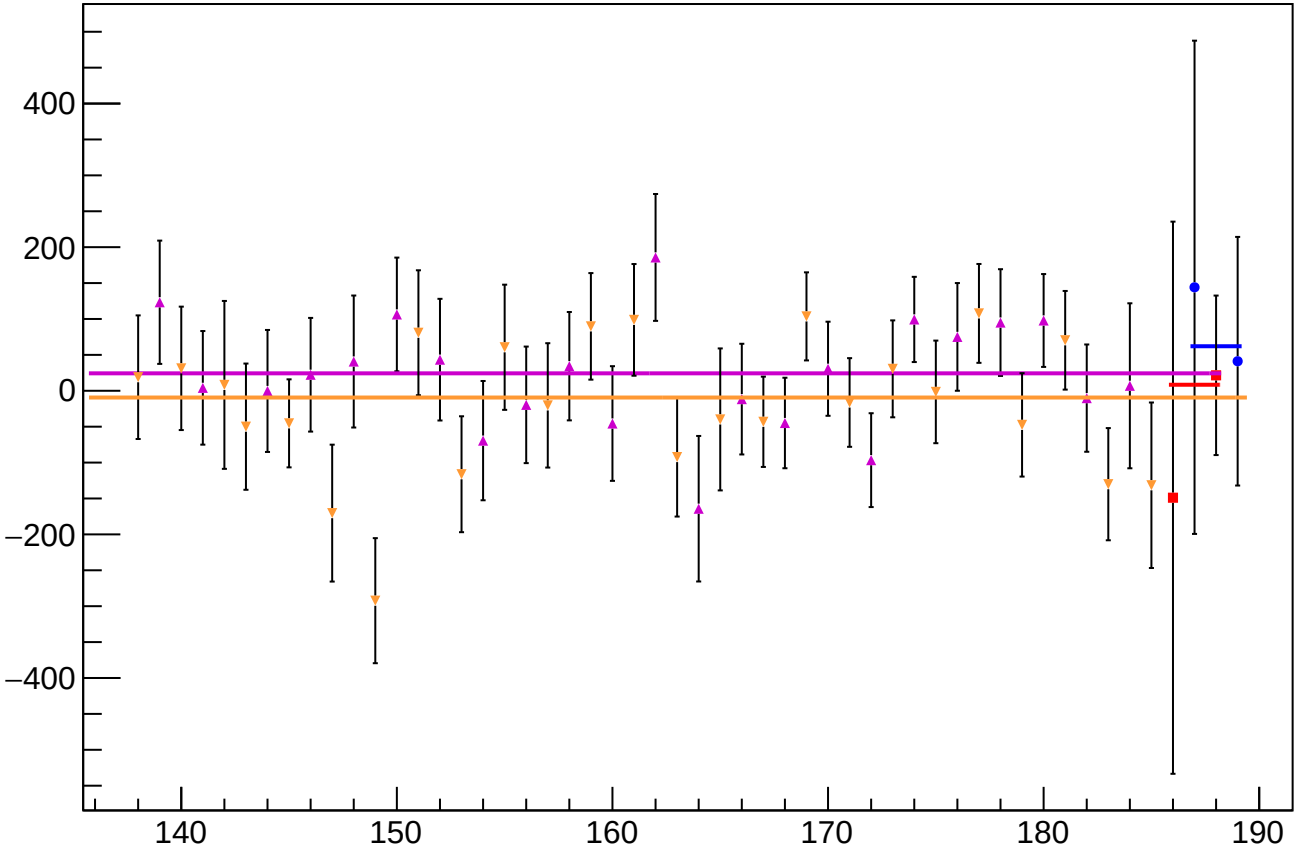
Left In: 372.574+/-0.063 $\chi^2$/NDF:464397.2/22

+ sign 373.506+/-0.061 $\chi^2$/NDF: 758199.5/26

All: 375.249+/-0.044 $\chi^2$/NDF: 1921489.9/51

- sign 377.057+/-0.063 $\chi^2$/NDF: 1161654.0/24

# dit_asym_sam_15_26_dd_mean vs Slug




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

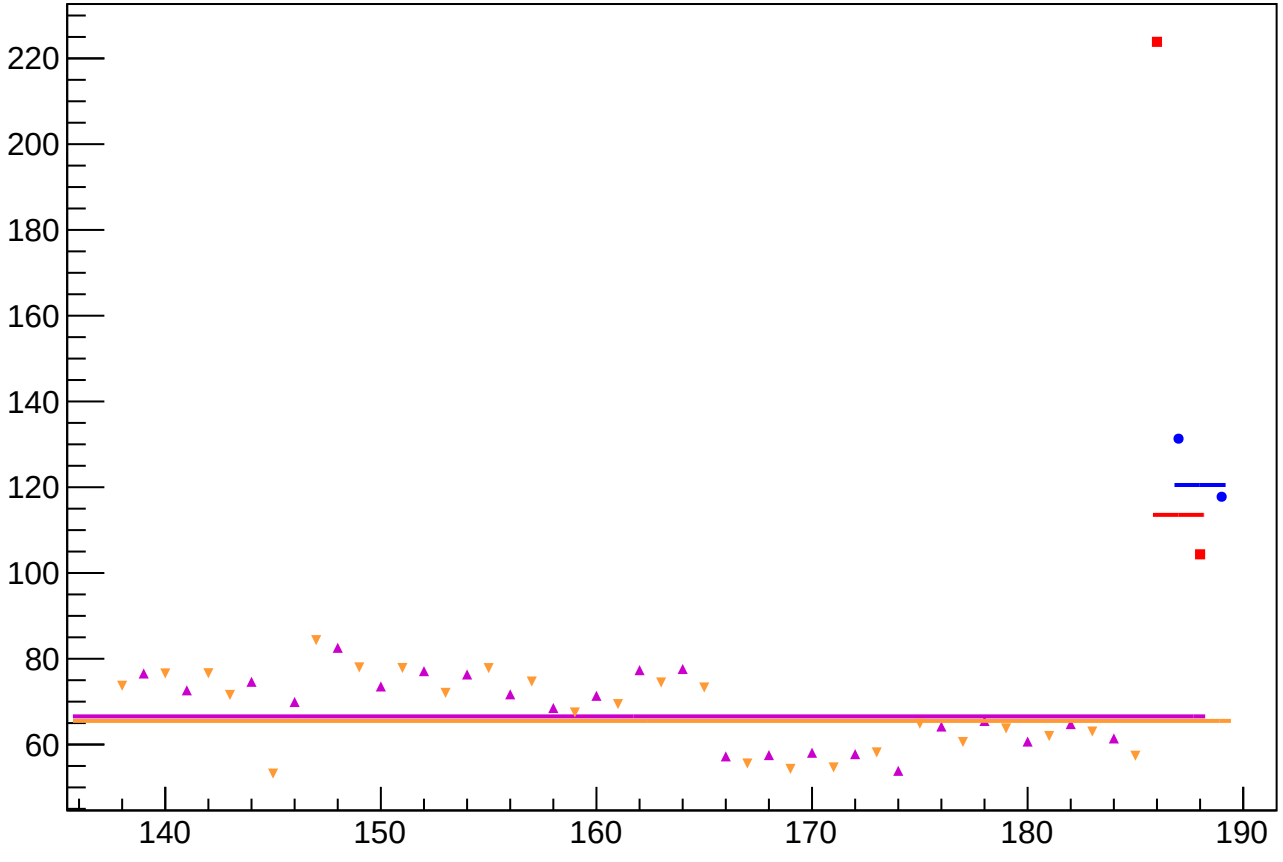
Left In: 24.293+/-16.034 $\chi^2$/NDF:21.1/22

+ sign -8.690+/-15.394 $\chi^2$/NDF: 35.0/26

All: 7.145+/-11.045 $\chi^2$/NDF: 58.5/51

- sign 23.942+/-15.856 $\chi^2$/NDF: 21.3/24

# dit_asym_sam_15_26_dd_rms vs Slug




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

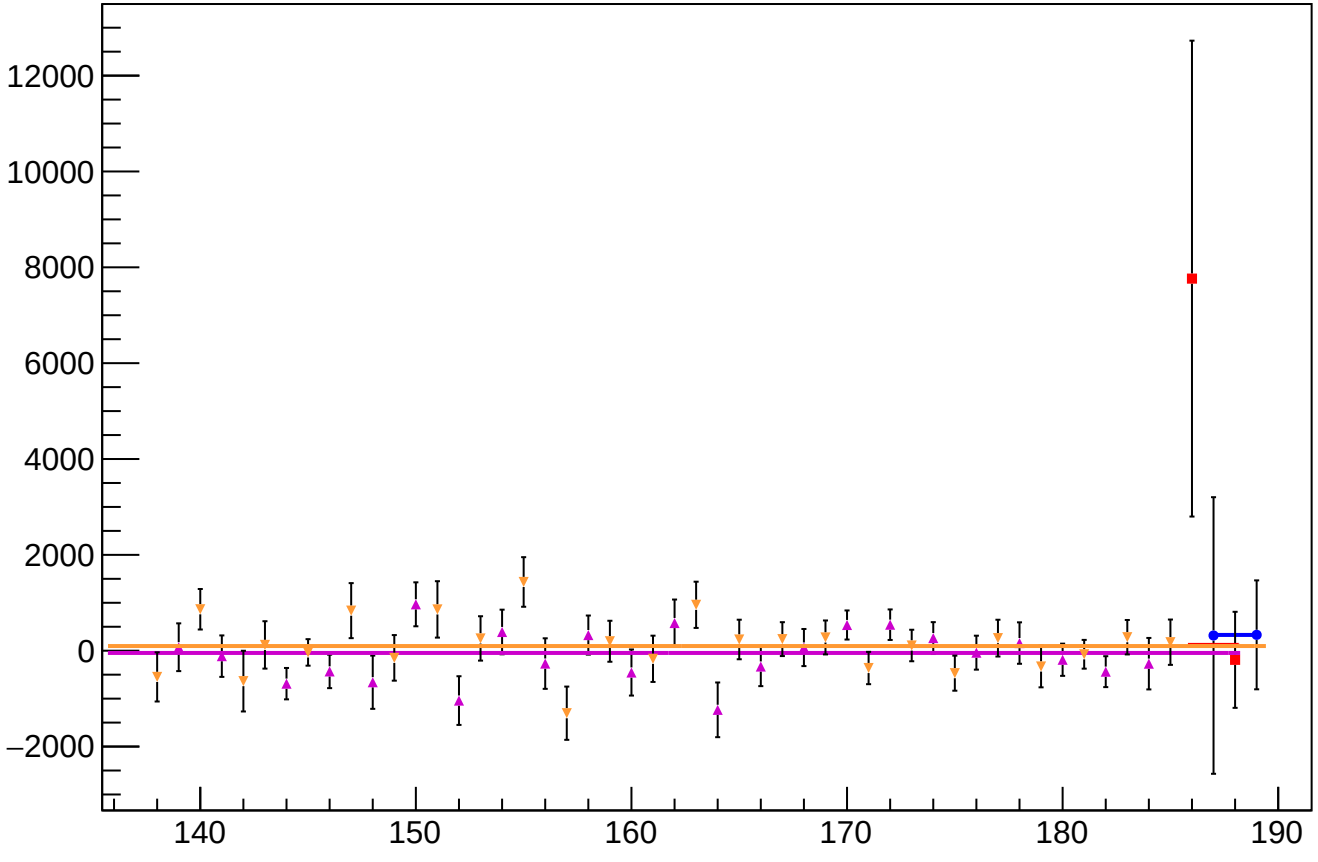
Left In: 66.564+/-0.011 $\chi^2$/NDF:521302.1/22

+ sign 66.057+/-0.011 $\chi^2$/NDF: 920187.1/26

All: 66.806+/-0.008 $\chi^2$/NDF: 2008948.4/51

- sign 67.601+/-0.011 $\chi^2$/NDF: 1078999.3/24

# asym_sam_15_26_dd_correction_mean vs Slug




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

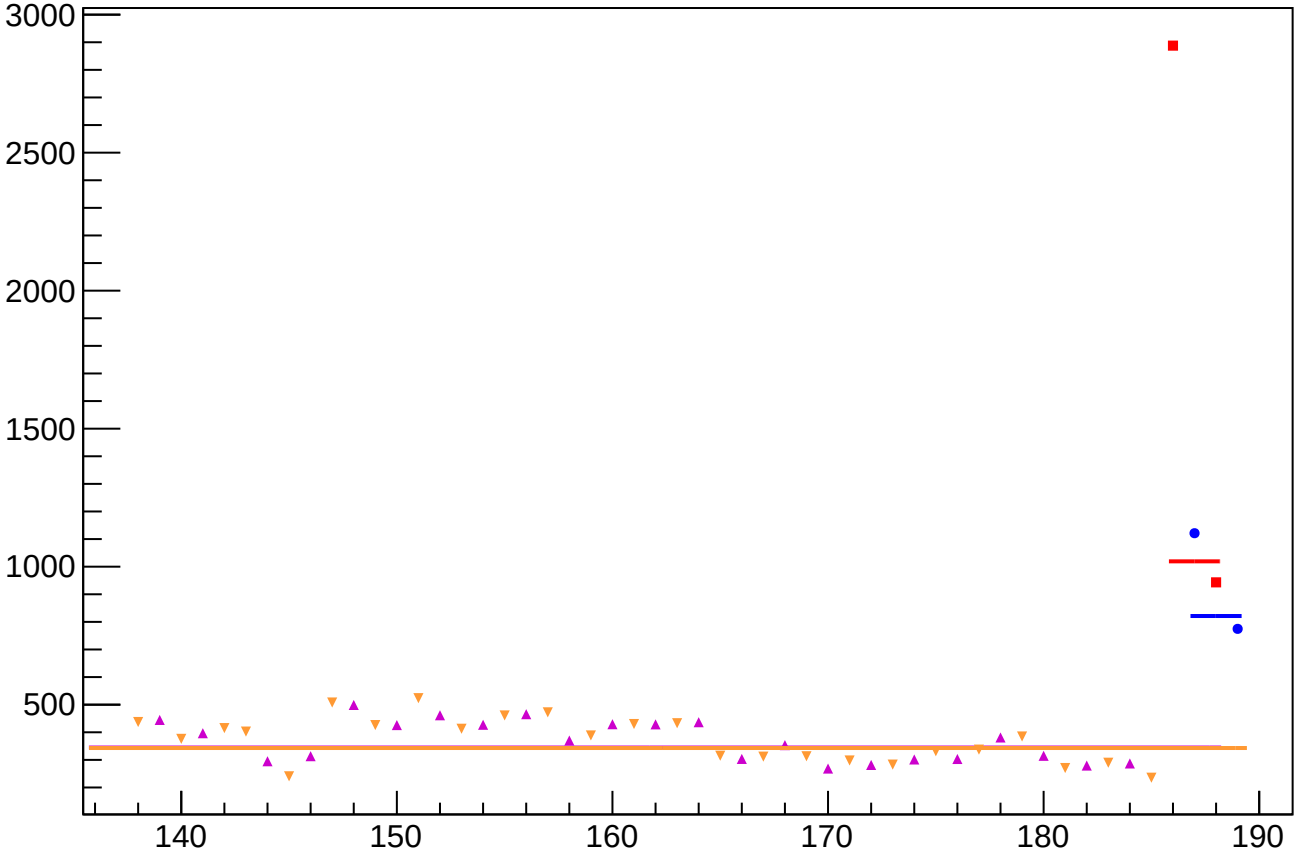
Left In: -46.660+/-83.857 $\chi^2$/NDF:34.2/22

+ sign 98.813+/-81.990 $\chi^2$/NDF: 33.4/26

All: 28.046+/-58.521 $\chi^2$/NDF: 71.6/51

- sign -45.446+/-83.553 $\chi^2$/NDF: 36.7/24

# asym_sam_15_26_dd_correction_rms vs Slug




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

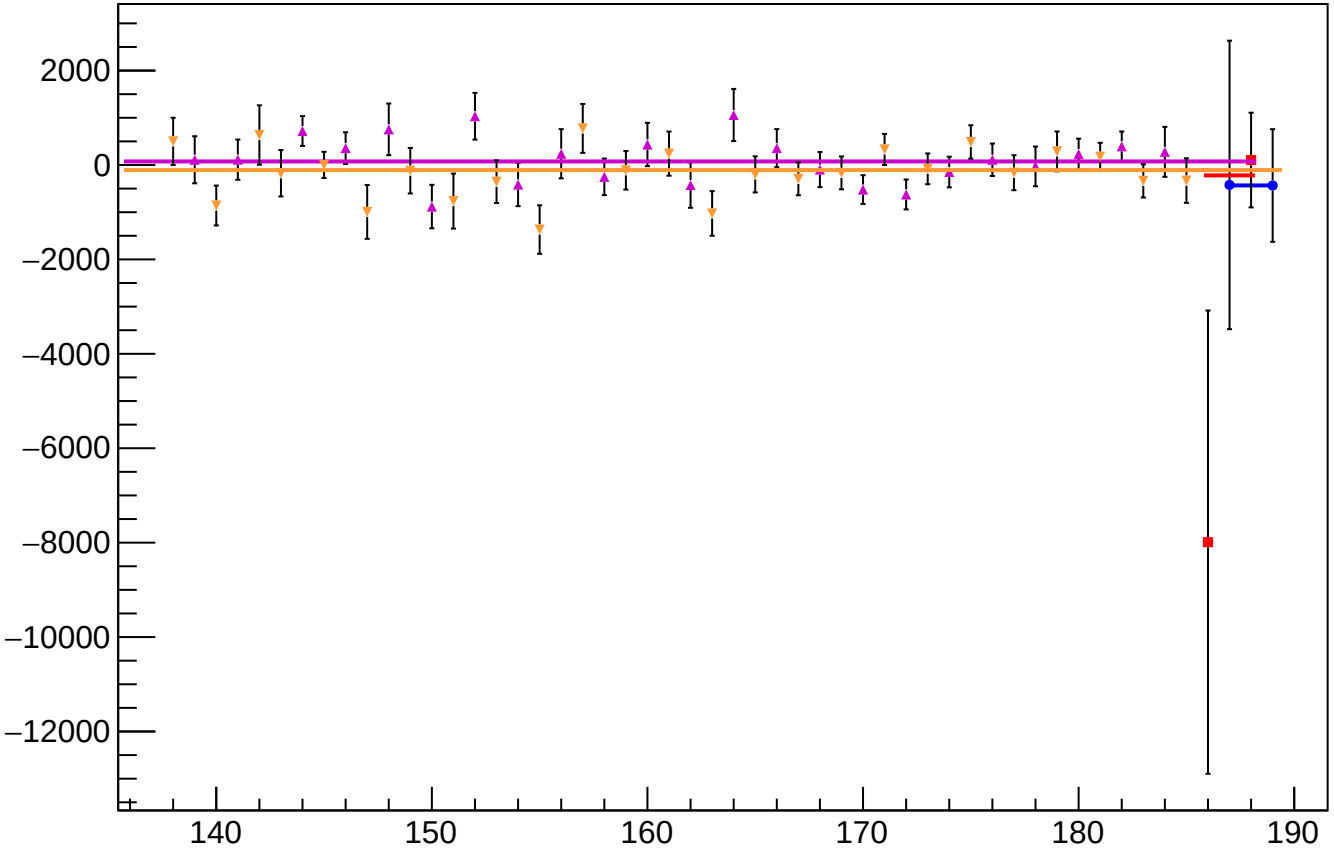
Left In: 344.818+/-0.059 $\chi^2$/NDF:1264545.0/22

+ sign 345.870+/-0.058 $\chi^2$/NDF: 2096709.1/26

All: 347.748+/-0.041 $\chi^2$/NDF: 4594416.4/51

- sign 349.699+/-0.059 $\chi^2$/NDF: 2495568.2/24

# asym_sam_15_26_dd_mean vs Slug




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

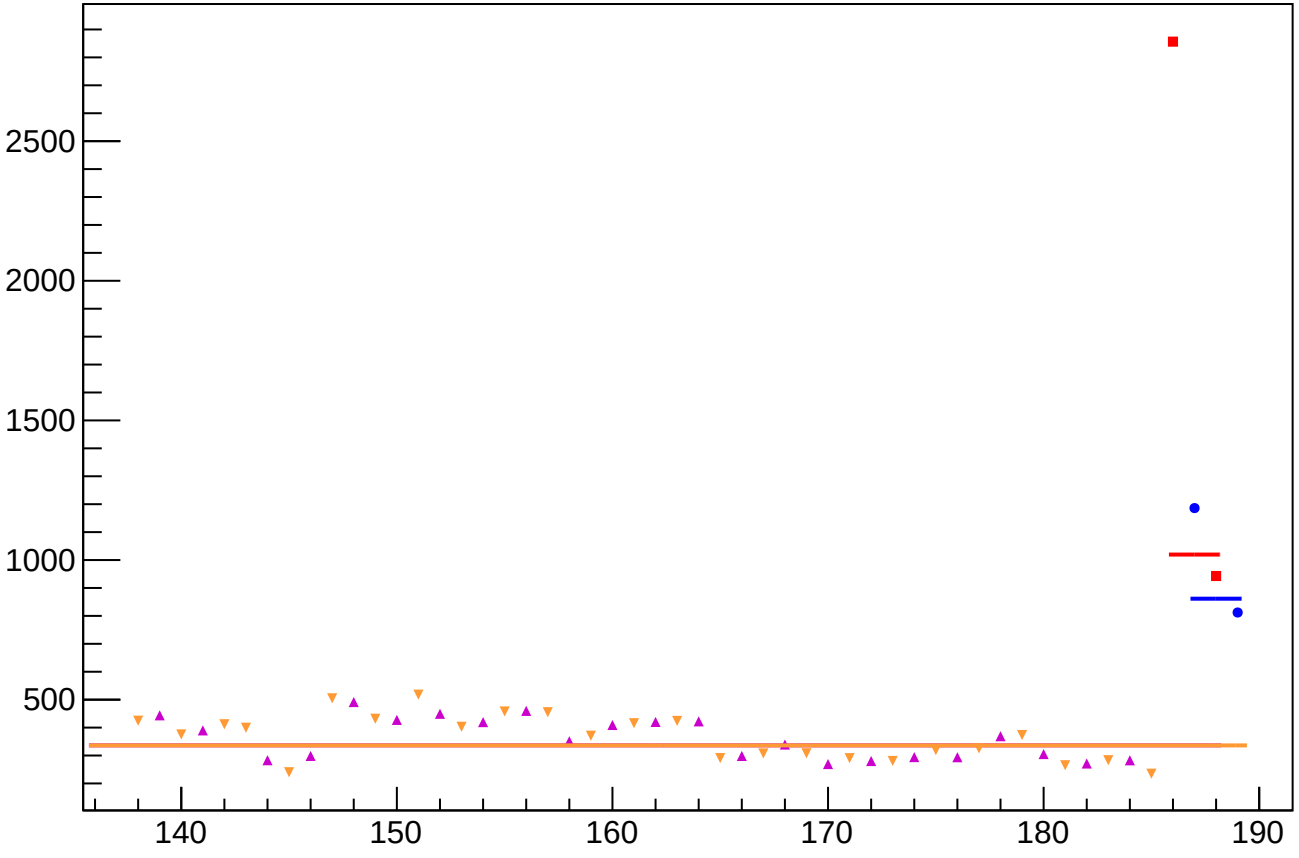
Left In: 74.986+/-81.949 $\chi^2$/NDF:32.7/22

+ sign -109.736+/-80.368 $\chi^2$/NDF: 31.0/26

All: -19.856+/-57.282 $\chi^2$/NDF: 68.9/51

- sign 72.949+/-81.666 $\chi^2$/NDF: 35.4/24

# asym_sam_15_26_dd_rms vs Slug




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

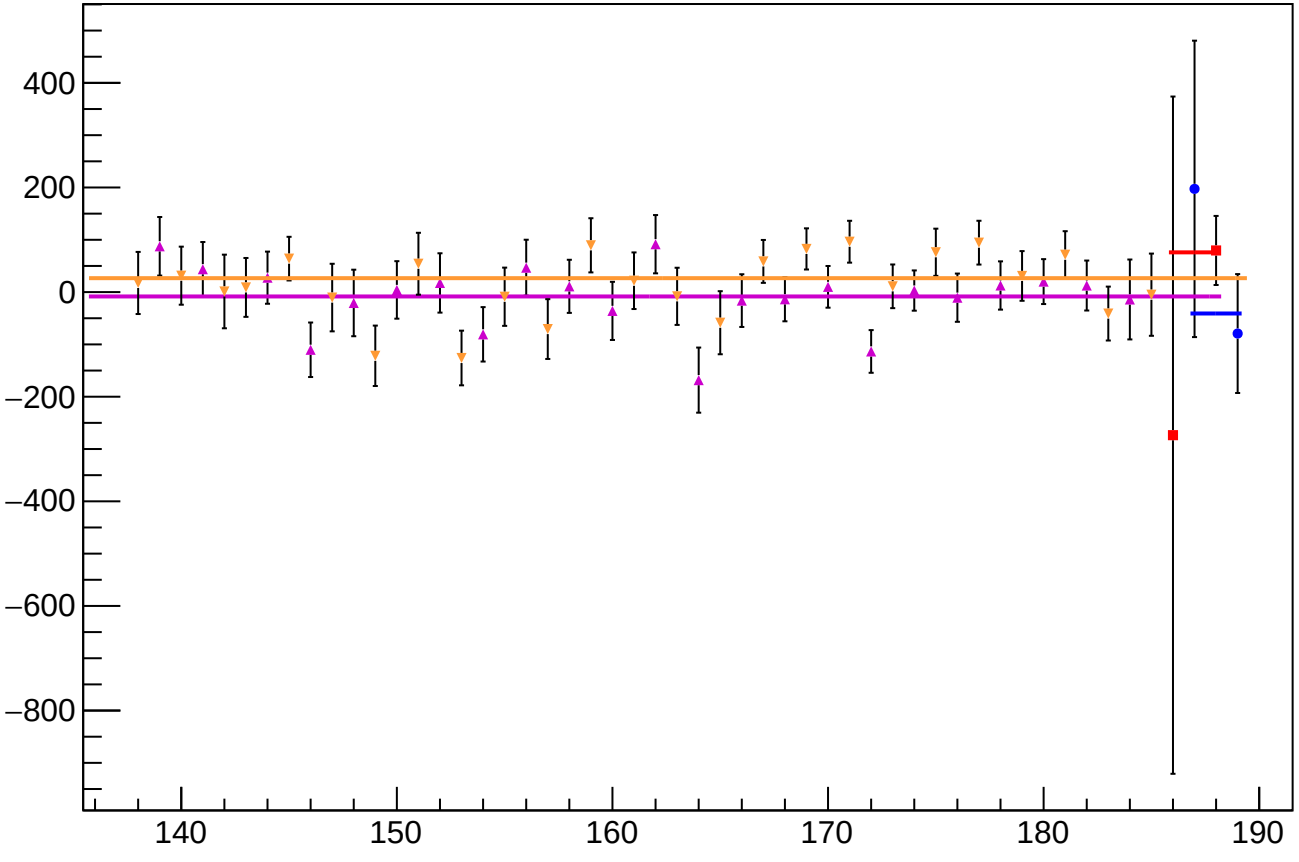
Left In: 336.396+/-0.058 $\chi^2$/NDF:1269587.6/22

+ sign 338.978+/-0.057 $\chi^2$/NDF: 2130238.0/26

All: 340.029+/-0.041 $\chi^2$/NDF: 4652466.4/51

- sign 341.114+/-0.058 $\chi^2$/NDF: 2521533.5/24

# dit_asym_sam_37_26_dd_mean vs Slug




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

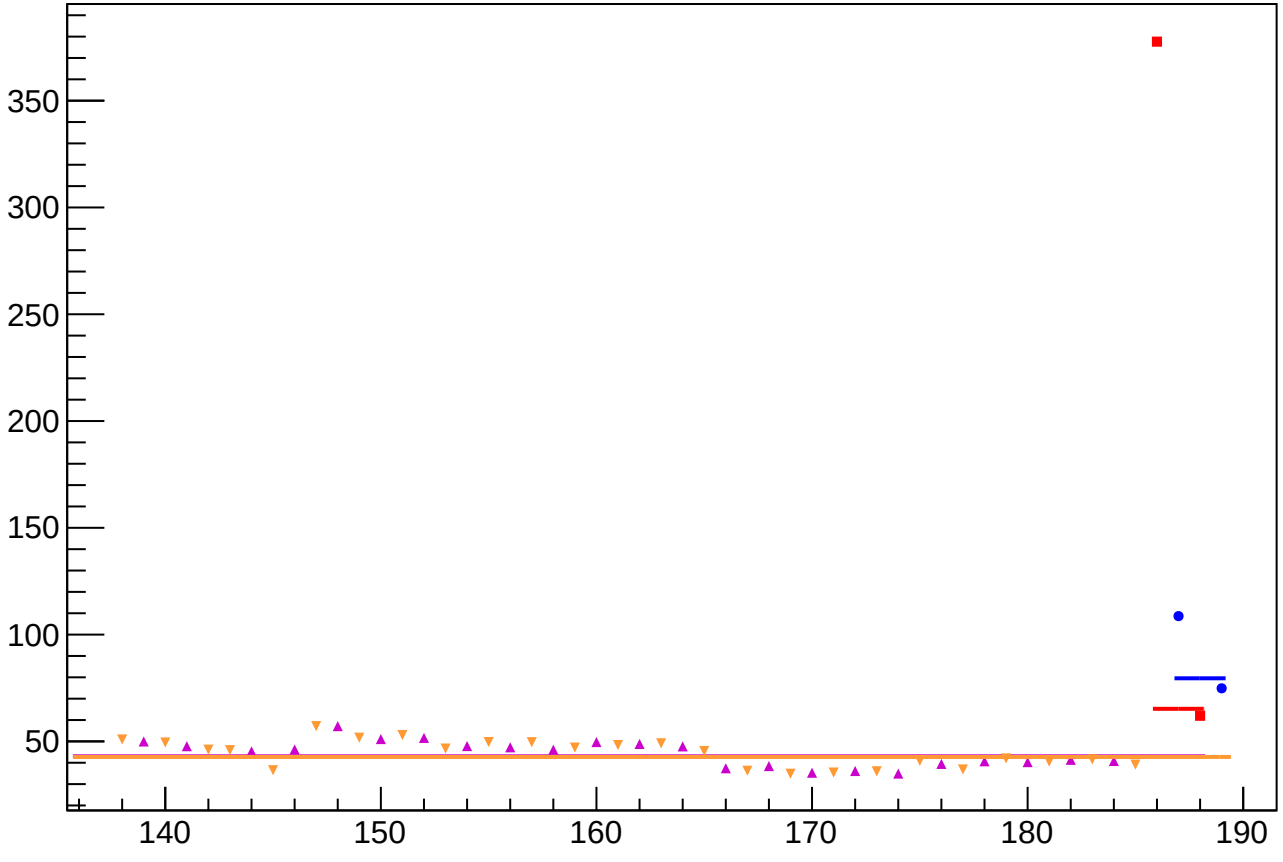
Left In: -8.325+/-10.361 $\chi^2$/NDF:29.6/22

+ sign 26.020+/-10.044 $\chi^2$/NDF: 37.7/26

All: 10.173+/-7.169 $\chi^2$/NDF: 74.3/51

- sign -6.279+/-10.234 $\chi^2$/NDF: 31.5/24

# dit_asym_sam_37_26_dd_rms vs Slug




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

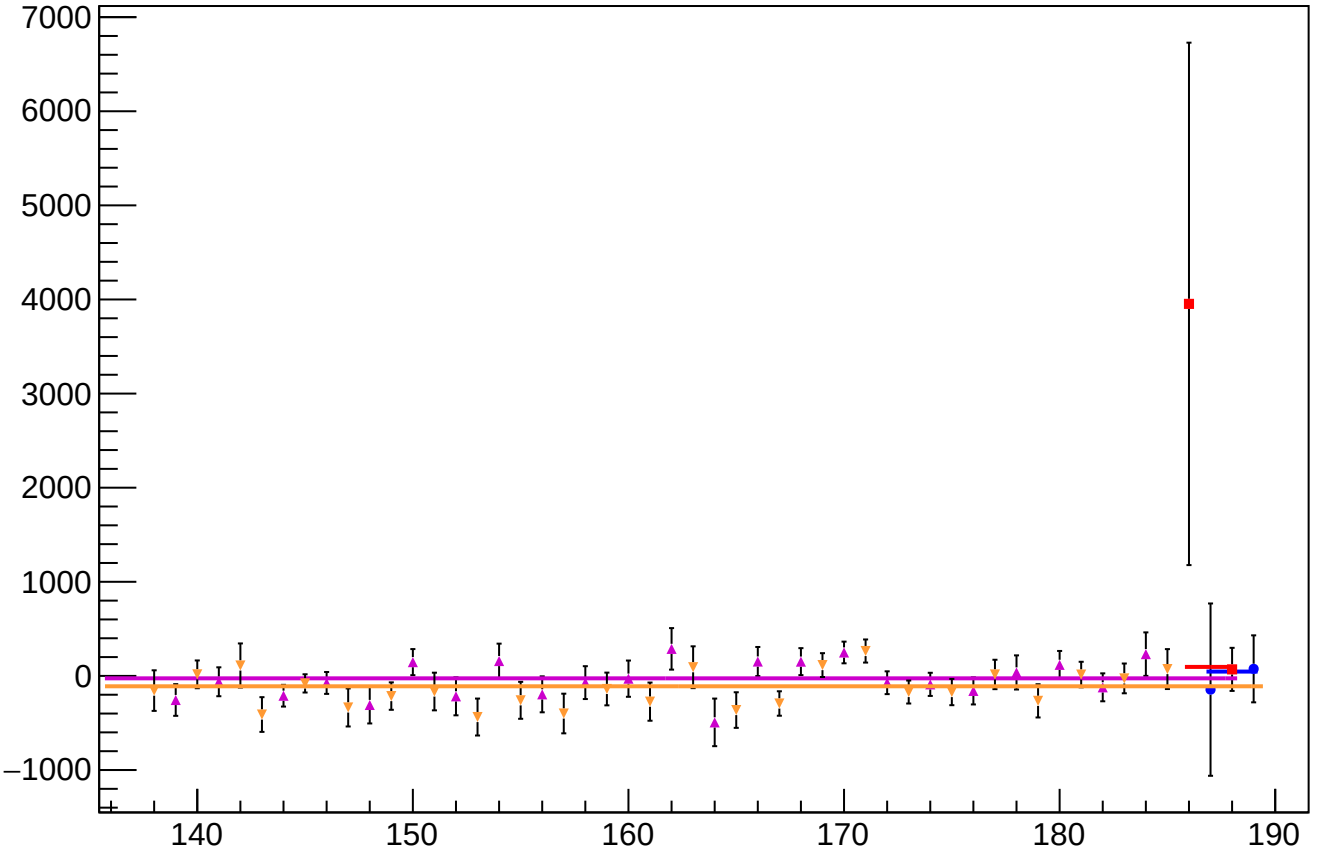
Left In: 43.021+/-0.007 $\chi^2$/NDF:642598.9/22

+ sign 43.050+/-0.007 $\chi^2$/NDF: 1037591.1/26

All: 43.301+/-0.005 $\chi^2$/NDF: 2376787.5/51

- sign 43.561+/-0.007 $\chi^2$/NDF: 1336653.7/24

# asym_sam_37_26_dd_correction_mean vs Slug




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

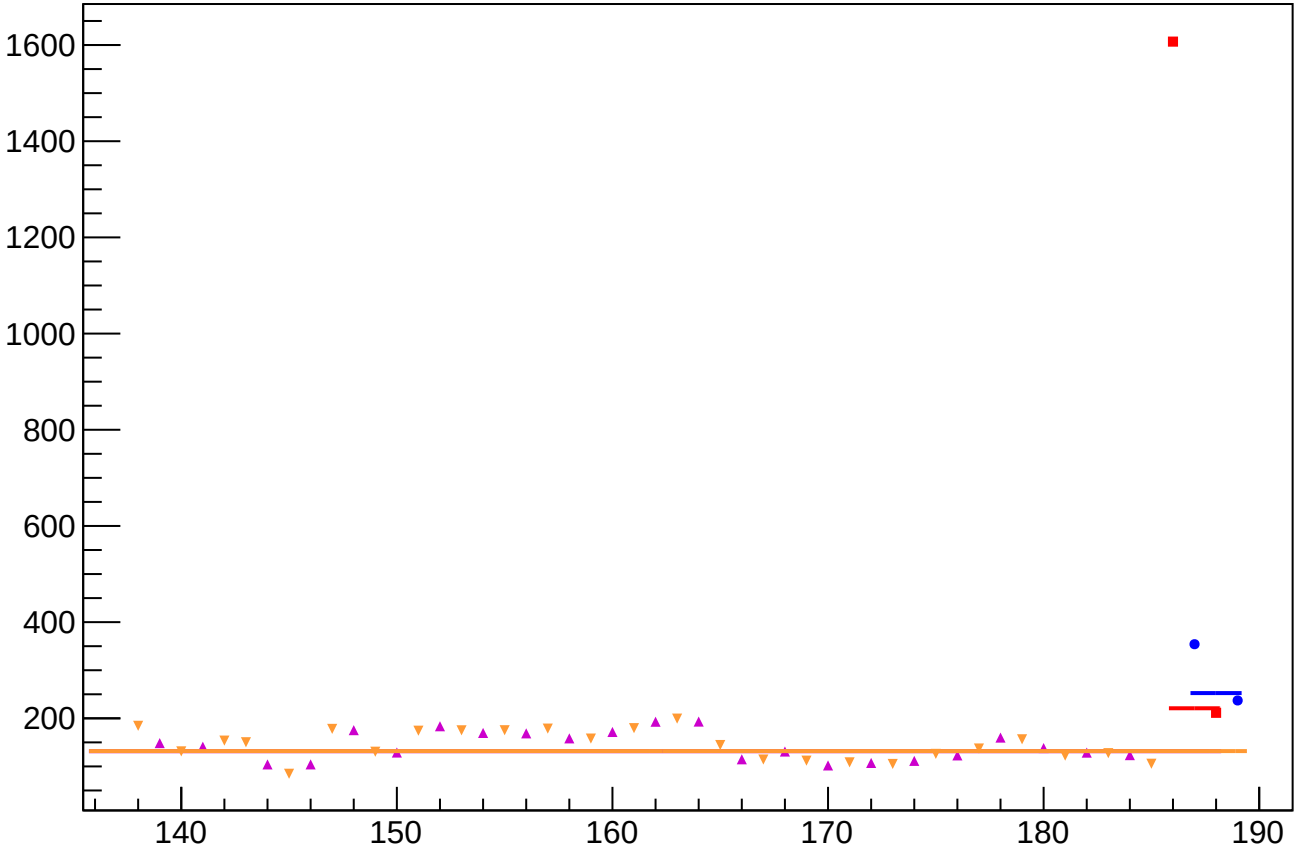
Left In: -25.828+/-32.100 $\chi^2$/NDF:29.0/22

+ sign -108.924+/-31.573 $\chi^2$/NDF: 33.2/26

All: -66.485+/-22.401 $\chi^2$/NDF: 68.1/51

- sign -23.470+/-31.786 $\chi^2$/NDF: 31.2/24

# asym_sam_37_26_dd_correction_rms vs Slug




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

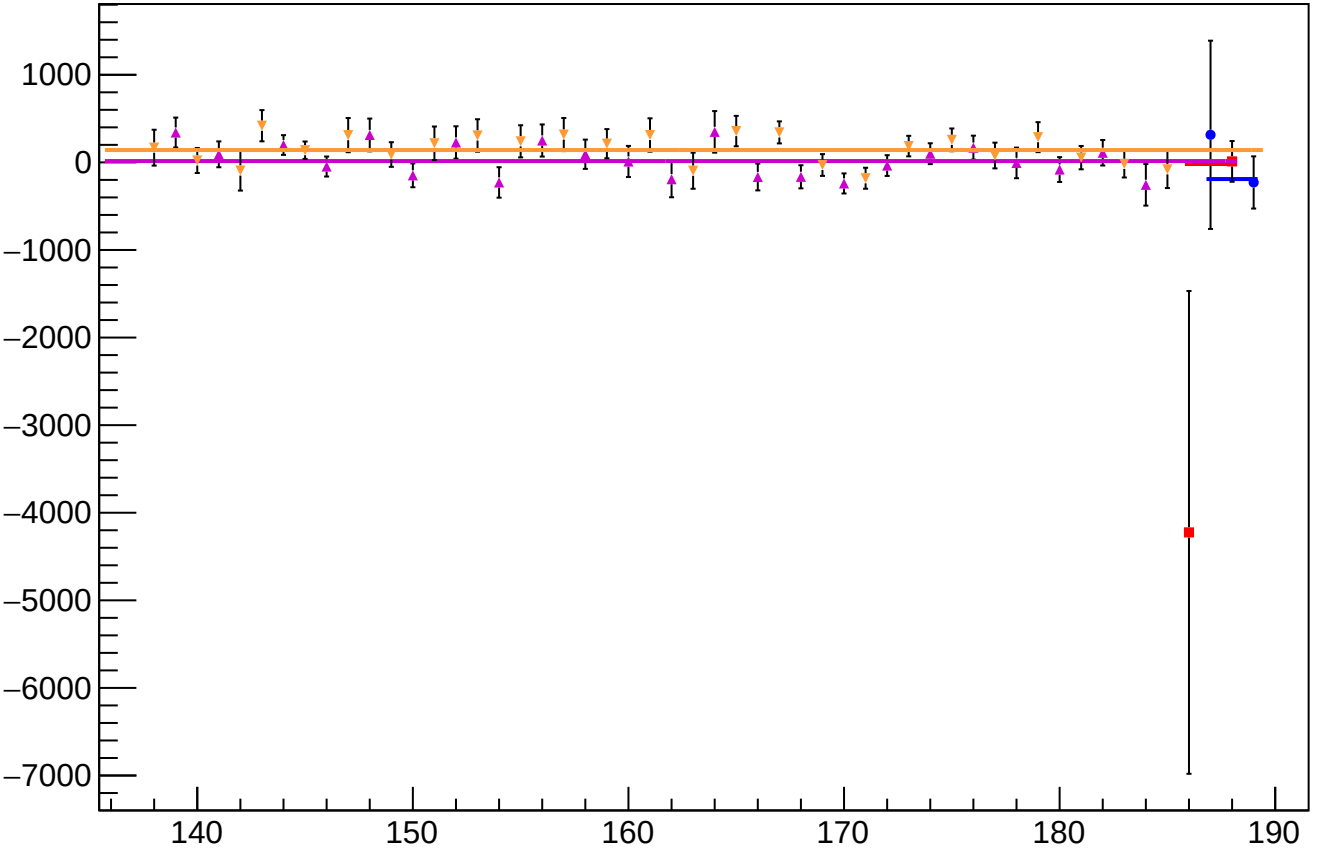
Left In: 131.630+/-0.023 $\chi^2$/NDF:1403692.5/22

+ sign 132.967+/-0.022 $\chi^2$/NDF: 2096727.9/26

All: 133.164+/-0.016 $\chi^2$/NDF: 4303239.9/51

- sign 133.363+/-0.022 $\chi^2$/NDF: 2206355.6/24

# asym_sam_37_26_dd_mean vs Slug




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

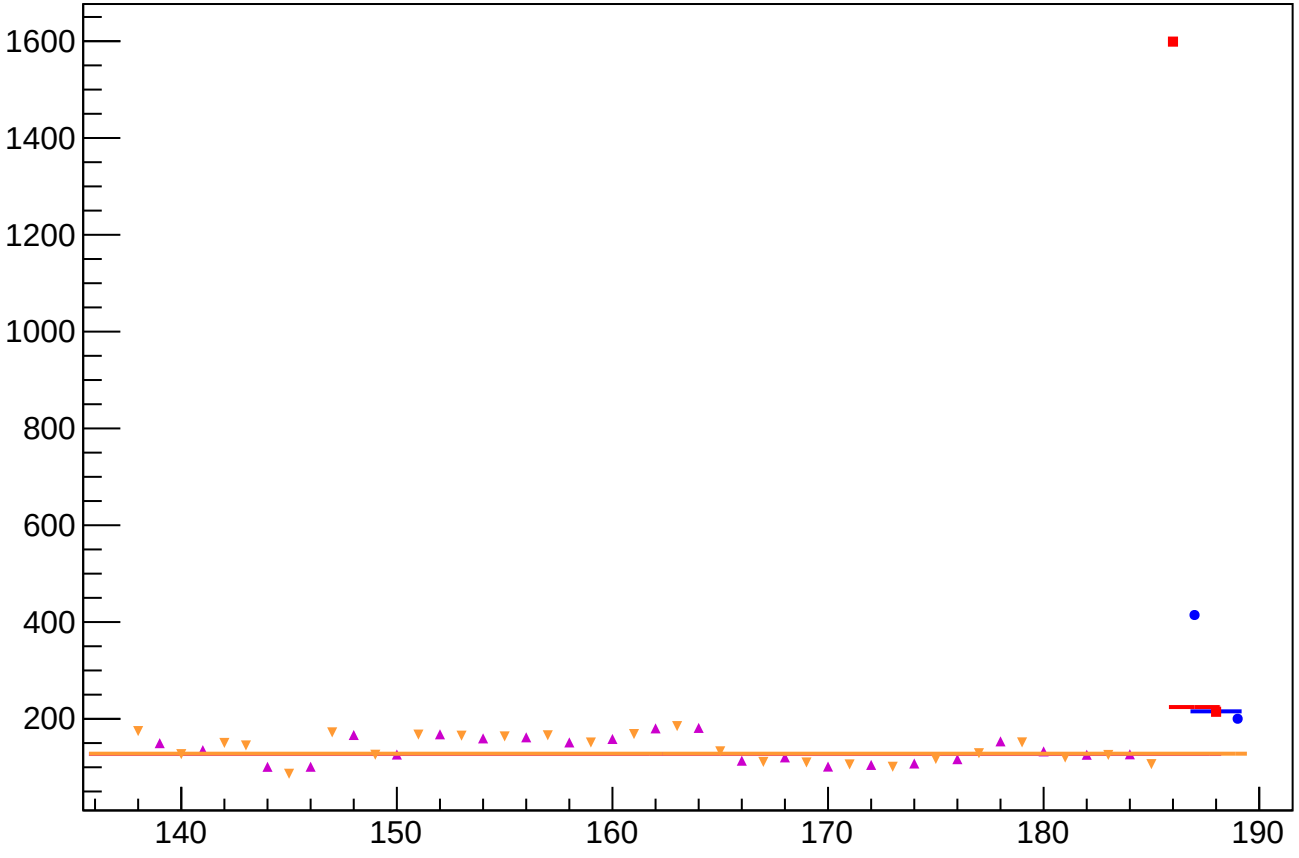
Left In: 15.199+/-31.033 $\chi^2$/NDF:31.4/22

+ sign 137.280+/-30.463 $\chi^2$/NDF: 28.7/26

All: 76.533+/-21.644 $\chi^2$/NDF: 70.4/51

- sign 14.603+/-30.758 $\chi^2$/NDF: 33.7/24

# asym_sam_37_26_dd_rms vs Slug




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

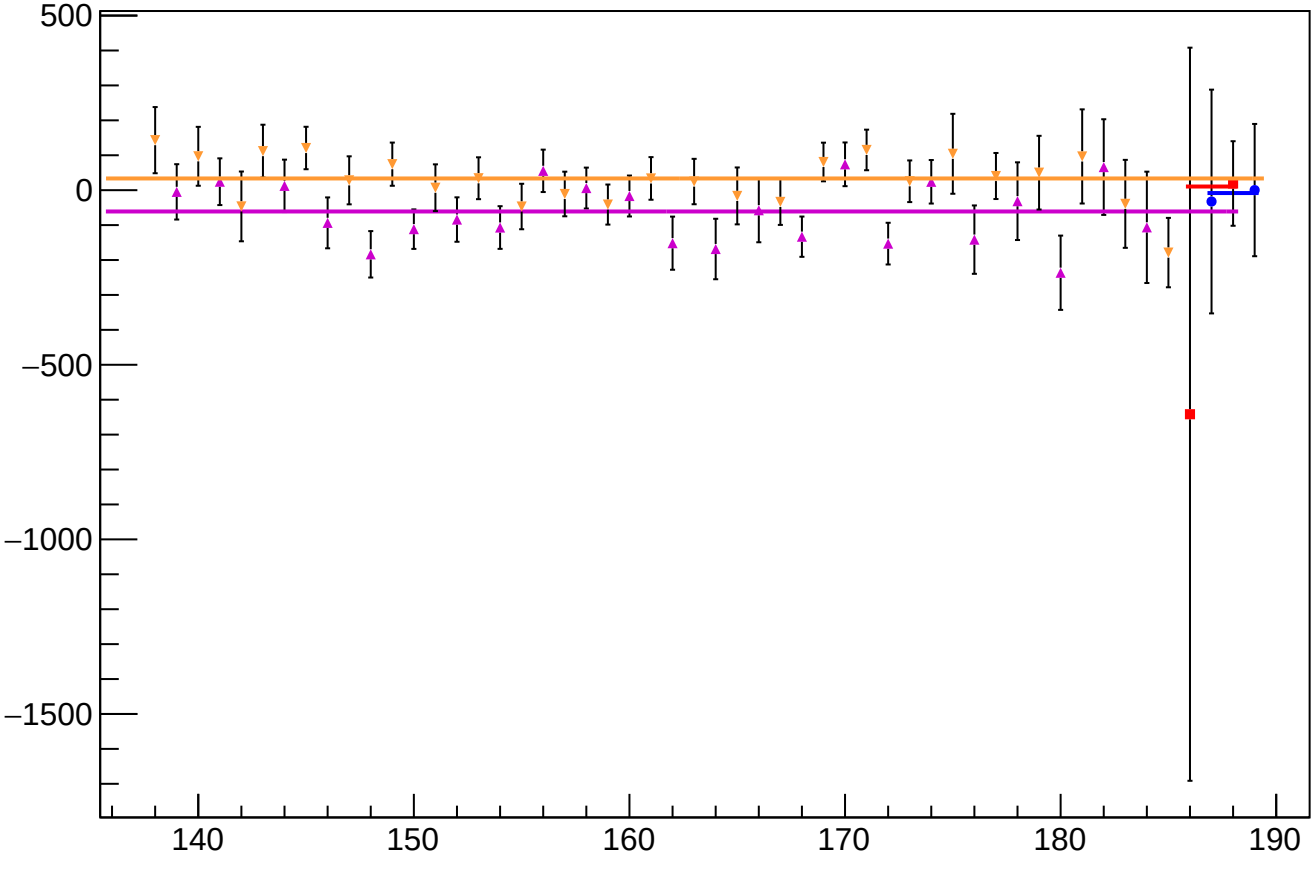
Left In: 127.380+/-0.022 $\chi^2$/NDF:1229899.0/22

+ sign 129.044+/-0.022 $\chi^2$/NDF: 1787654.3/26

All: 129.067+/-0.015 $\chi^2$/NDF: 3863616.7/51

- sign 129.091+/-0.022 $\chi^2$/NDF: 2075960.1/24

# dit_asym_sam_1357_avg_mean vs Slug




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

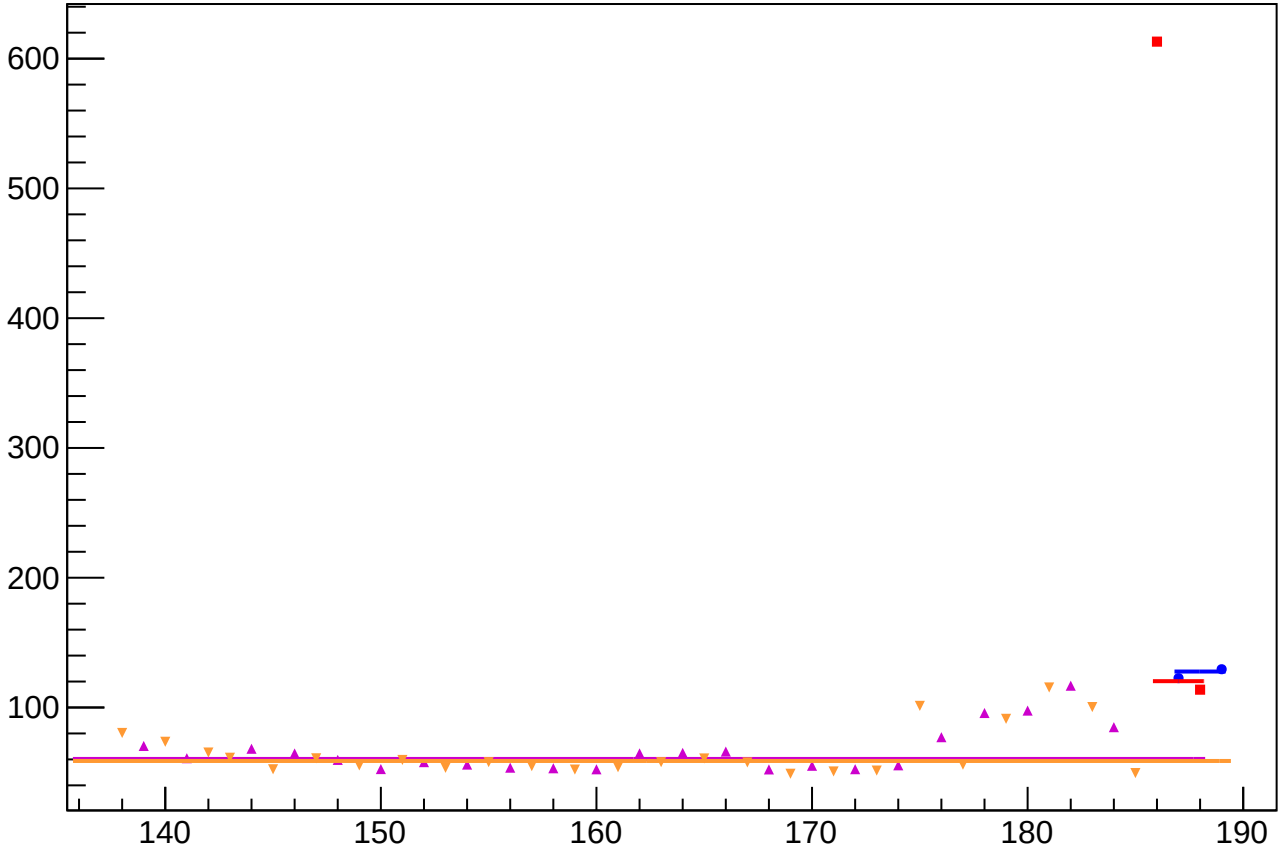
Left In: -60.992+/-14.839 $\chi^2$/NDF:31.6/22

+ sign 33.220+/-14.143 $\chi^2$/NDF: 19.7/26

All: -11.466+/-10.201 $\chi^2$/NDF: 72.9/51

- sign -59.920+/-14.727 $\chi^2$/NDF: 32.3/24

# dit_asym_sam_1357_avg_rms vs Slug




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

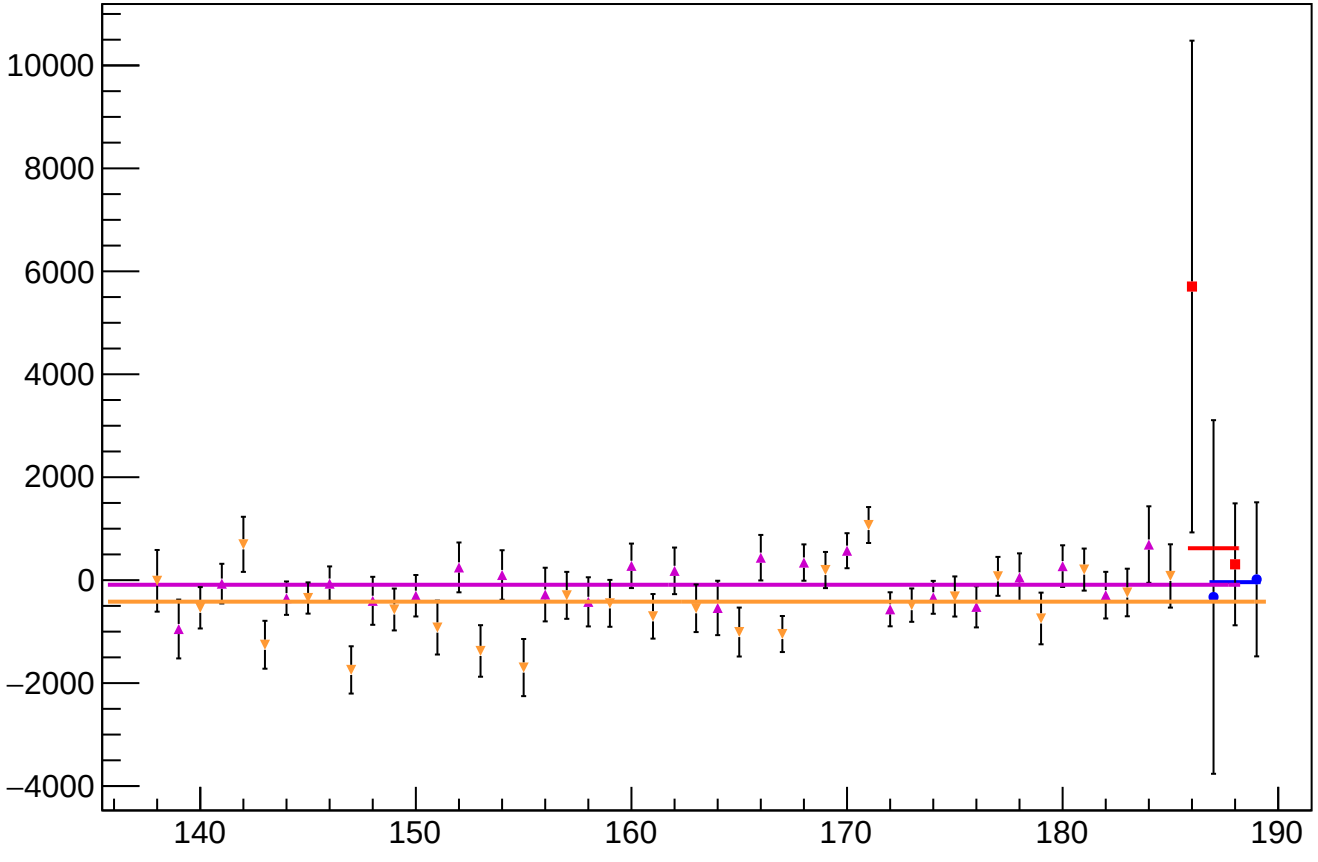
Left In: 60.355+/-0.010 $\chi^2$/NDF:1217671.4/22

+ sign 59.312+/-0.010 $\chi^2$/NDF: 1815897.6/26

All: 60.243+/-0.007 $\chi^2$/NDF: 3987510.8/51

- sign 61.254+/-0.010 $\chi^2$/NDF: 2153522.1/24

# asym_sam_1357_avg_correction_mean vs Slug




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

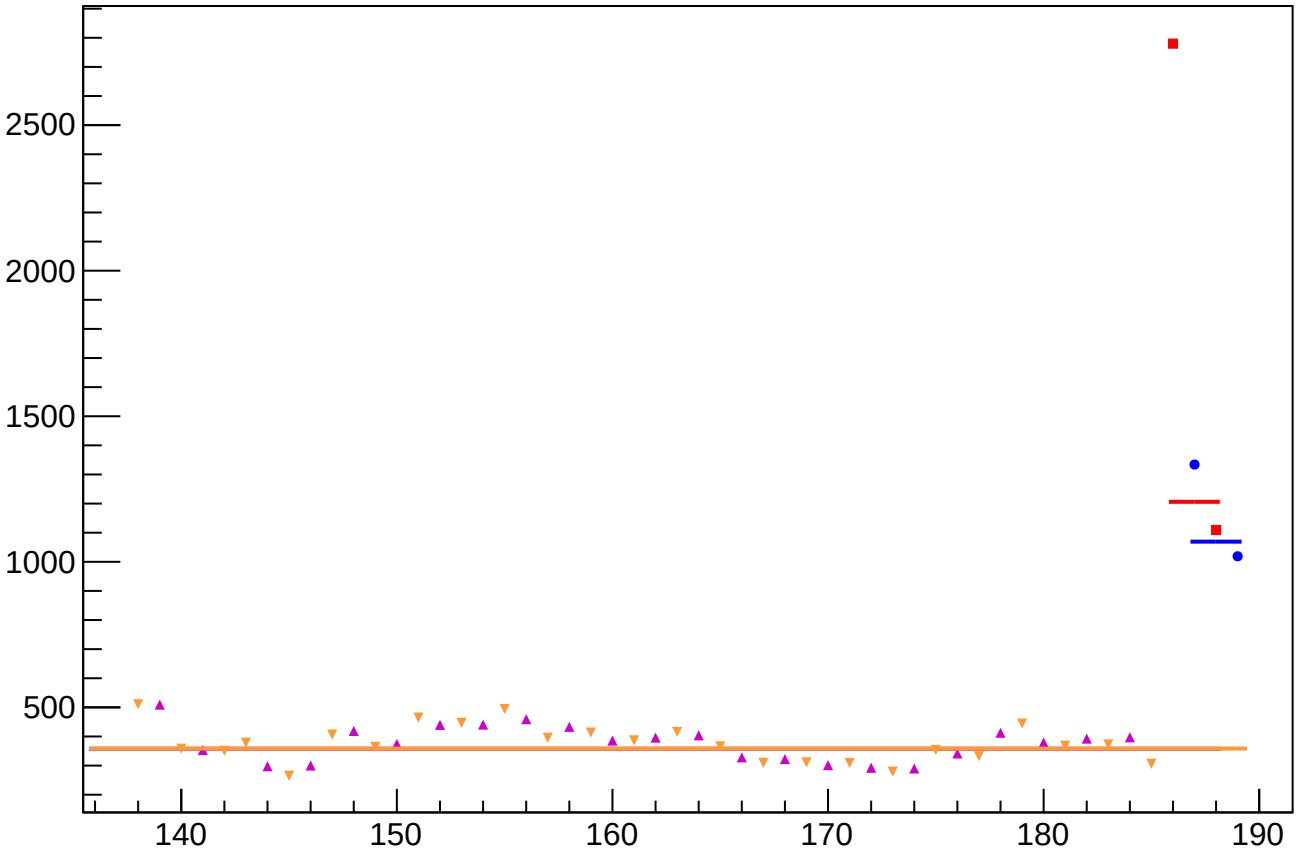
Left In: -89.505+/-86.438 $\chi^2$/NDF:19.4/22

+ sign -416.369+/-84.807 $\chi^2$/NDF: 58.6/26

All: -253.628+/-60.452 $\chi^2$/NDF: 87.1/51

- sign -85.516+/-86.195 $\chi^2$/NDF: 21.0/24

# asym_sam_1357_avg_correction_rms vs Slug




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

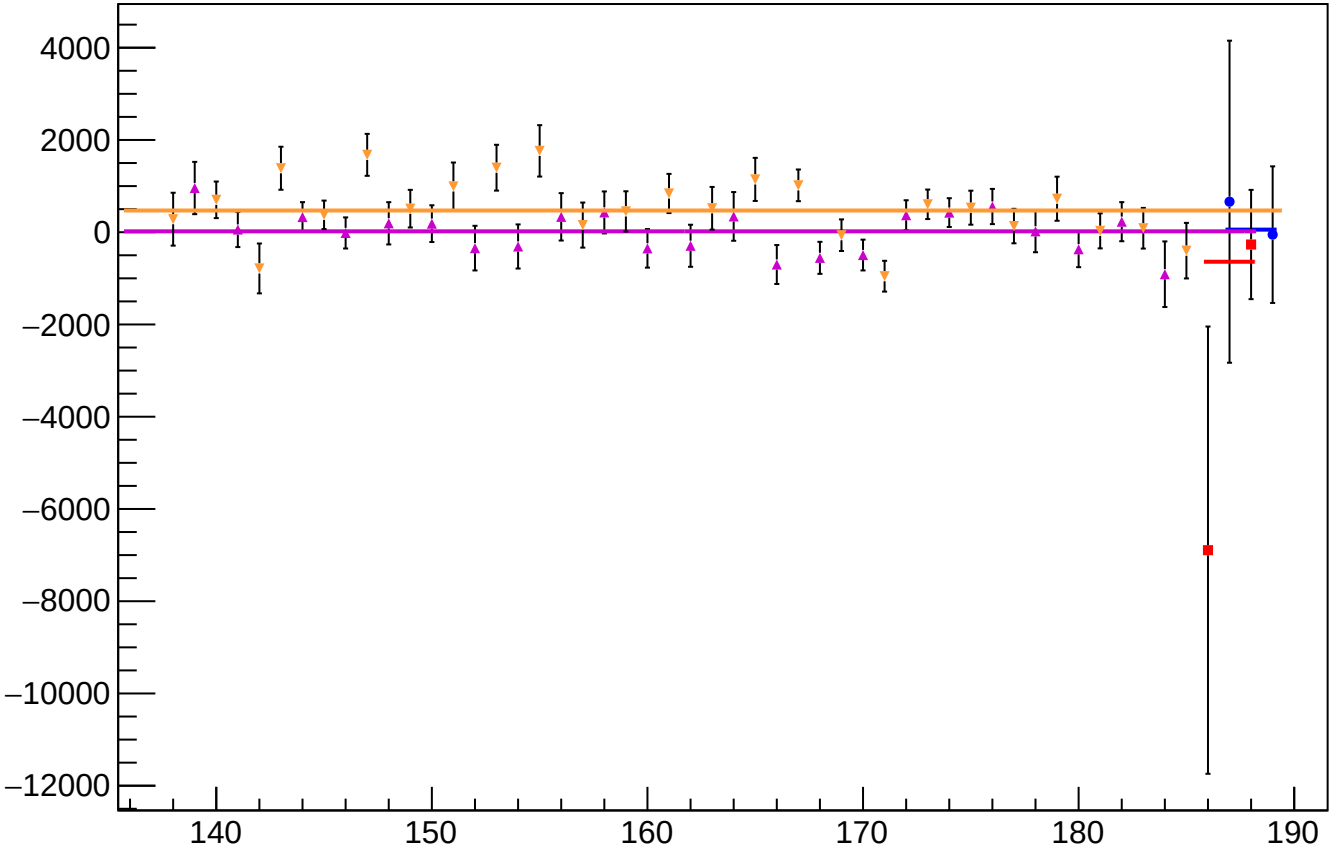
Left In: 357.802+/-0.061 $\chi^2$/NDF:893330.5/22

+ sign 361.065+/-0.060 $\chi^2$/NDF: 1560906.0/26

All: 361.805+/-0.043 $\chi^2$/NDF: 3767759.9/51

- sign 362.570+/-0.061 $\chi^2$/NDF: 2206544.1/24

# asym_sam_1357_avg_mean vs Slug




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

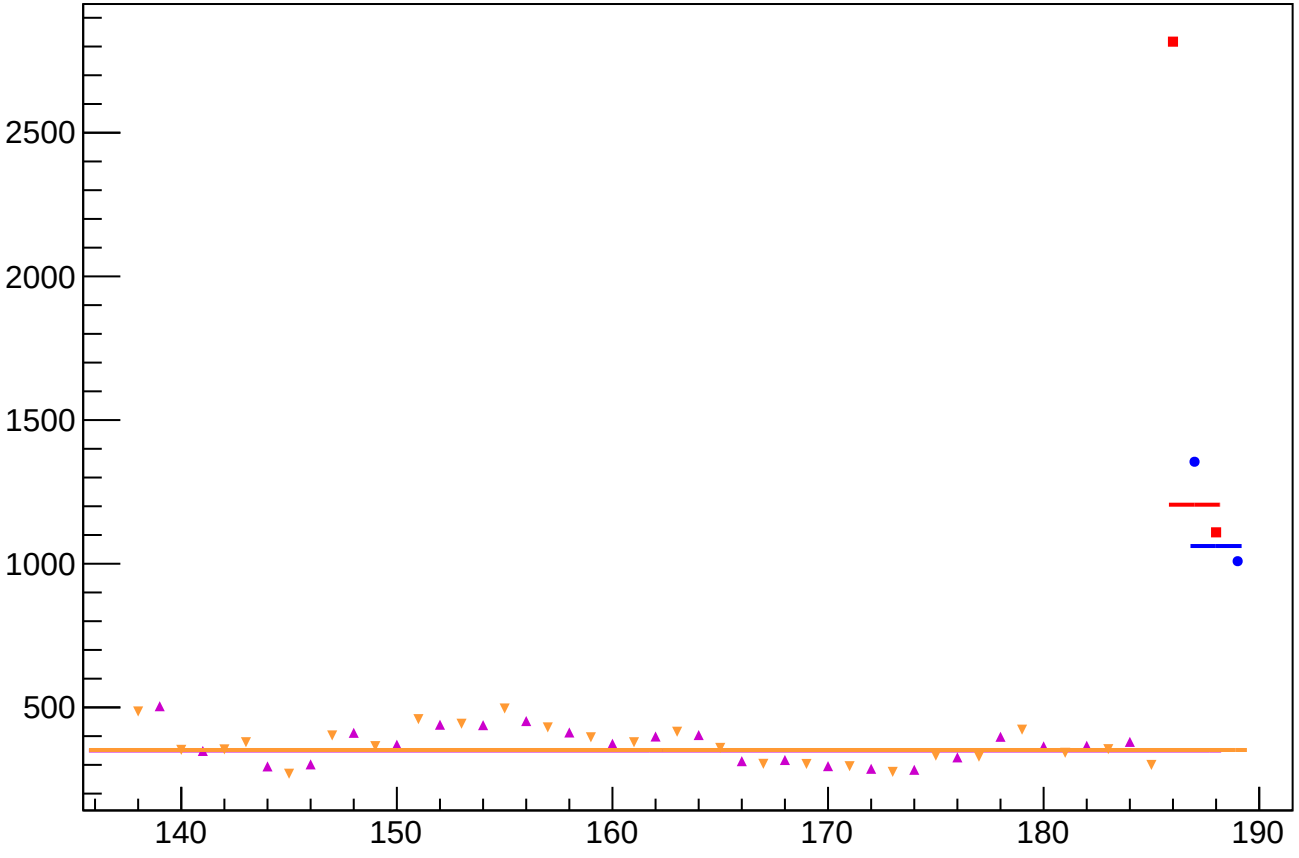
Left In: 19.328+/-84.679 $\chi^2$/NDF:23.7/22

+ sign 469.255+/-83.324 $\chi^2$/NDF: 58.8/26

All: 245.562+/-59.313 $\chi^2$/NDF: 99.2/51

- sign 15.776+/-84.451 $\chi^2$/NDF: 25.8/24

# asym_sam_1357_avg_rms vs Slug




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

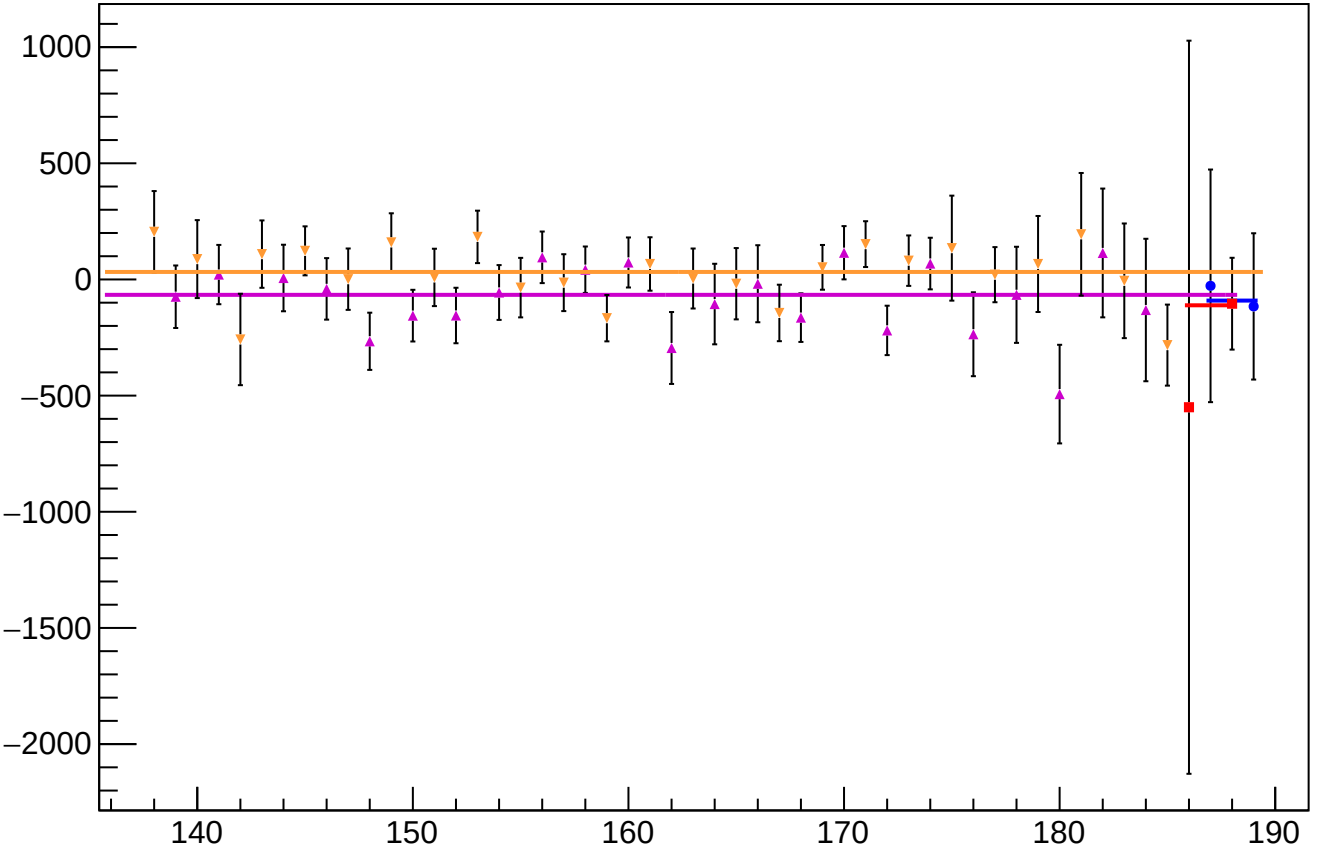
Left In: 350.037+/-0.060 $\chi^2$/NDF:889435.7/22

+ sign 354.429+/-0.059 $\chi^2$/NDF: 1573742.7/26

All: 354.535+/-0.042 $\chi^2$/NDF: 3796563.5/51

- sign 354.644+/-0.060 $\chi^2$/NDF: 2222814.2/24

# dit_asym_sam_2468_avg_mean vs Slug




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

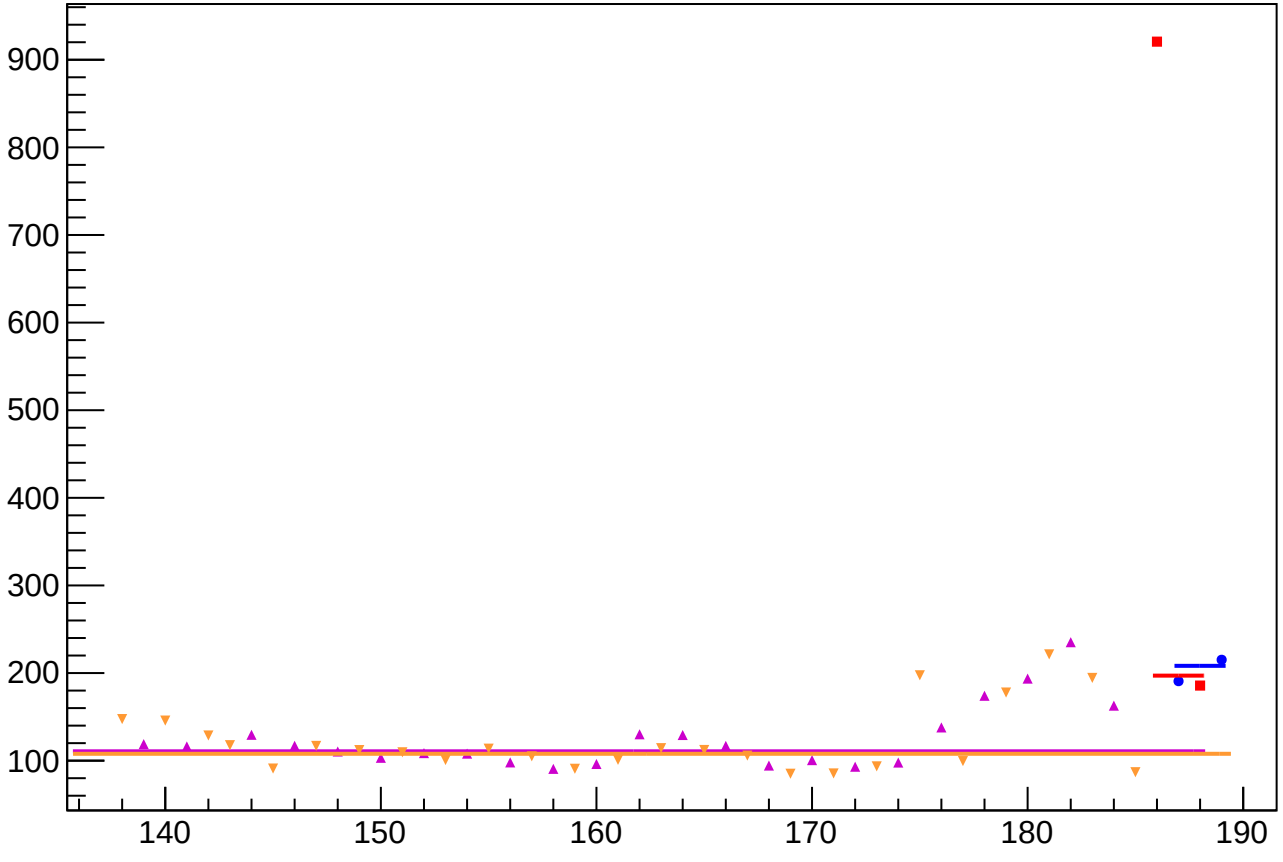
Left In: -66.254+/-27.450 $\chi^2$/NDF:24.2/22

+ sign 31.141+/-26.193 $\chi^2$/NDF: 19.8/26

All: -16.163+/-18.862 $\chi^2$/NDF: 50.9/51

- sign -67.119+/-27.185 $\chi^2$/NDF: 24.4/24

# dit_asym_sam_2468_avg_rms vs Slug




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

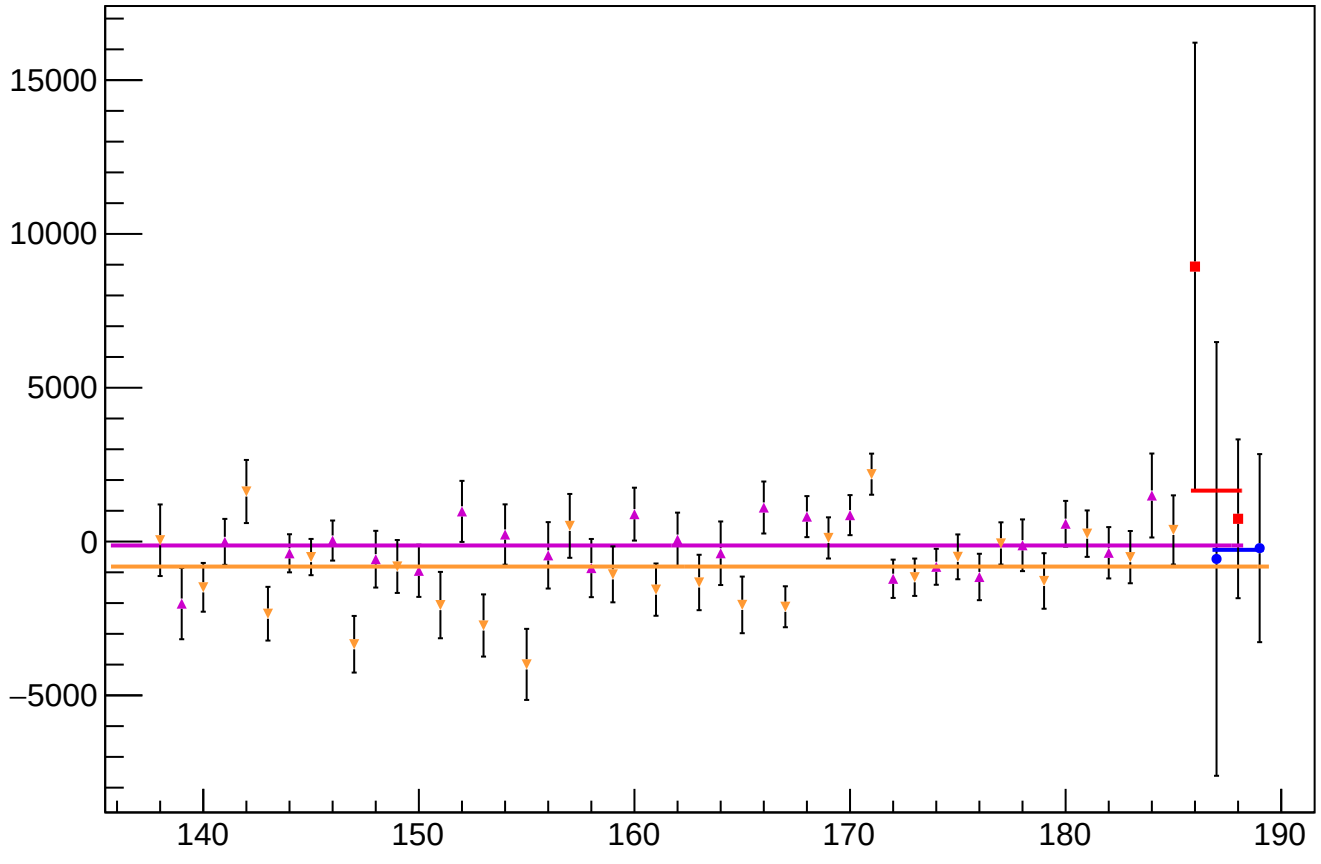
Left In: 110.691+/-0.019 $\chi^2$/NDF:1406587.3/22

+ sign 108.822+/-0.019 $\chi^2$/NDF: 2118165.0/26

All: 110.521+/-0.013 $\chi^2$/NDF: 4350203.0/51

- sign 112.352+/-0.019 $\chi^2$/NDF: 2214551.4/24

# asym_sam_2468_avg_correction_mean vs Slug




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

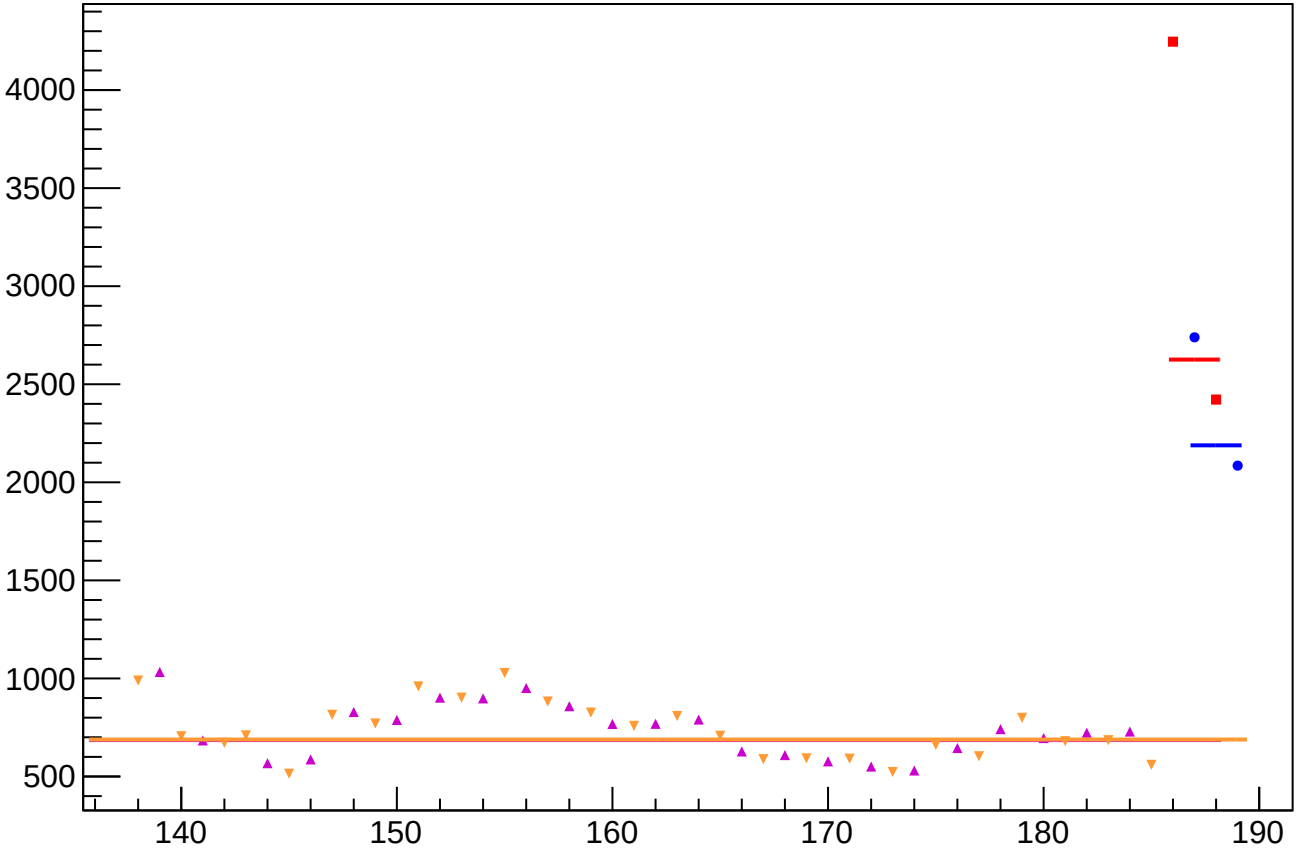
Left In: -127.427+/-166.308 $\chi^2$/NDF:22.8/22

+ sign -811.174+/-163.822 $\chi^2$/NDF: 66.2/26

All: -469.560+/-116.575 $\chi^2$/NDF: 99.5/51

- sign -119.134+/-165.921 $\chi^2$/NDF: 24.4/24

# asym_sam_2468_avg_correction_rms vs Slug




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

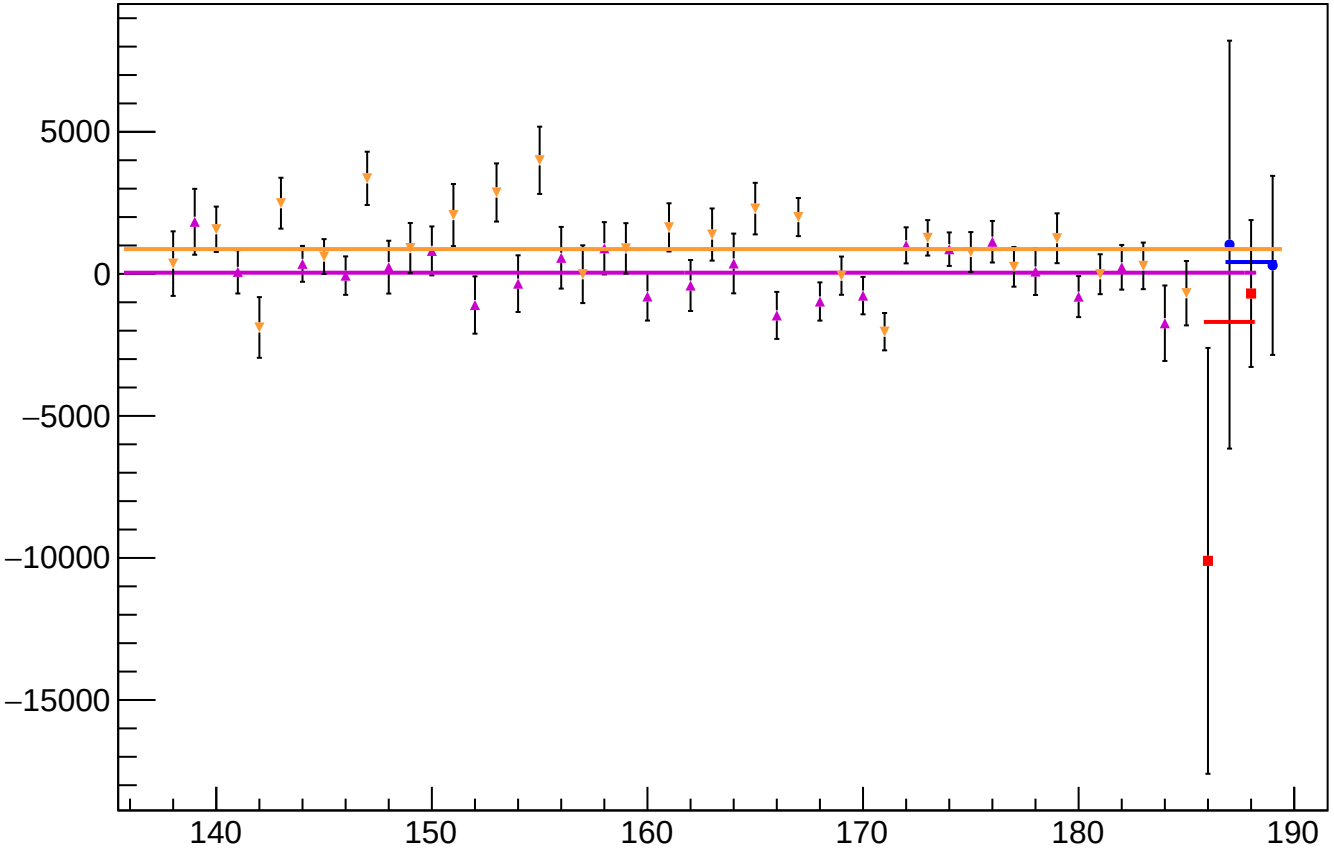
Left In: 685.733+/-0.118 $\chi^2$/NDF:1156263.7/22

+ sign 693.631+/-0.116 $\chi^2$/NDF: 1872403.7/26

All: 694.187+/-0.082 $\chi^2$/NDF: 4406293.2/51

- sign 694.758+/-0.117 $\chi^2$/NDF: 2533842.9/24

# asym_sam_2468_avg_mean vs Slug




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

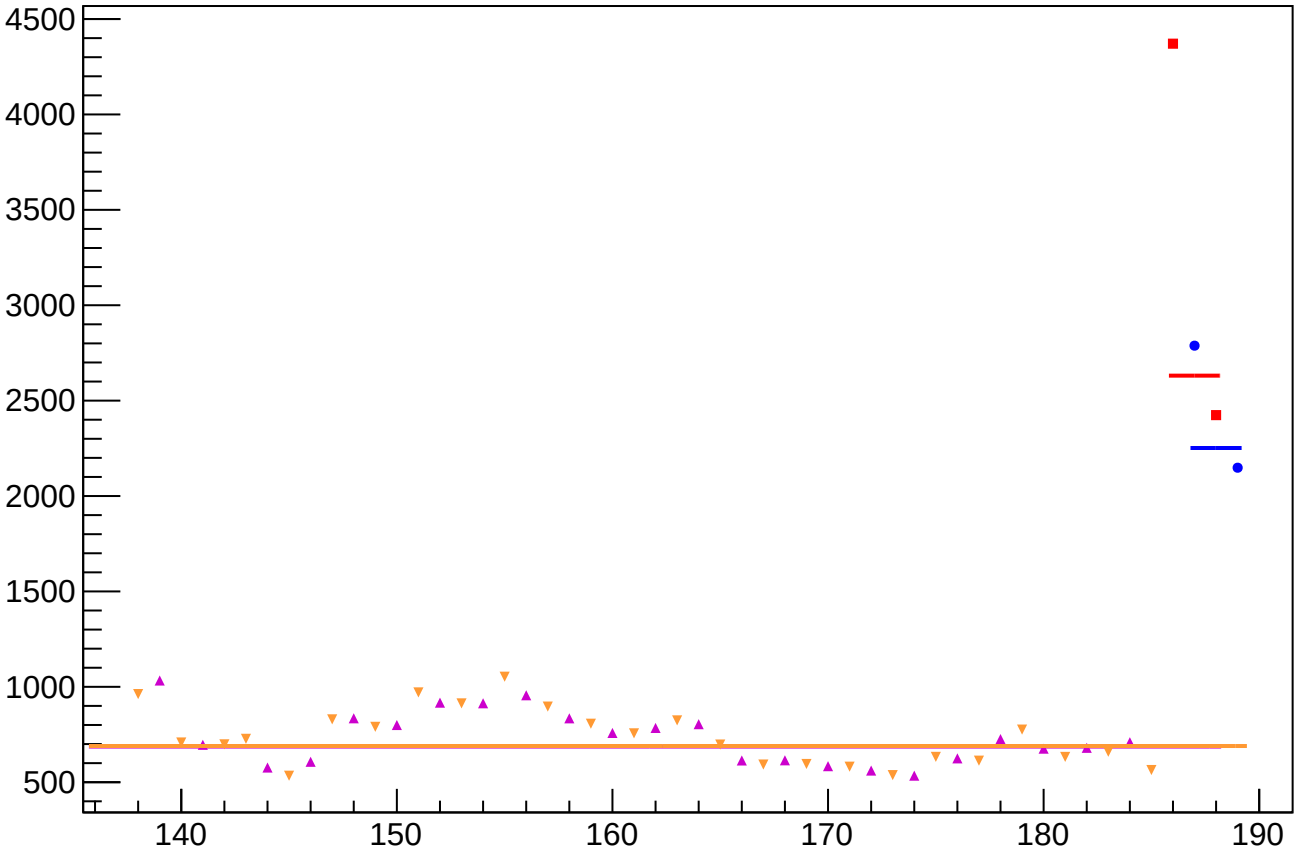
Left In: 41.522+/-166.728 $\chi^2$/NDF:24.1/22

+ sign 871.971+/-164.003 $\chi^2$/NDF: 64.2/26

All: 458.666+/-116.785 $\chi^2$/NDF: 103.1/51

- sign 33.493+/-166.341 $\chi^2$/NDF: 26.0/24

# asym_sam_2468_avg_rms vs Slug




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

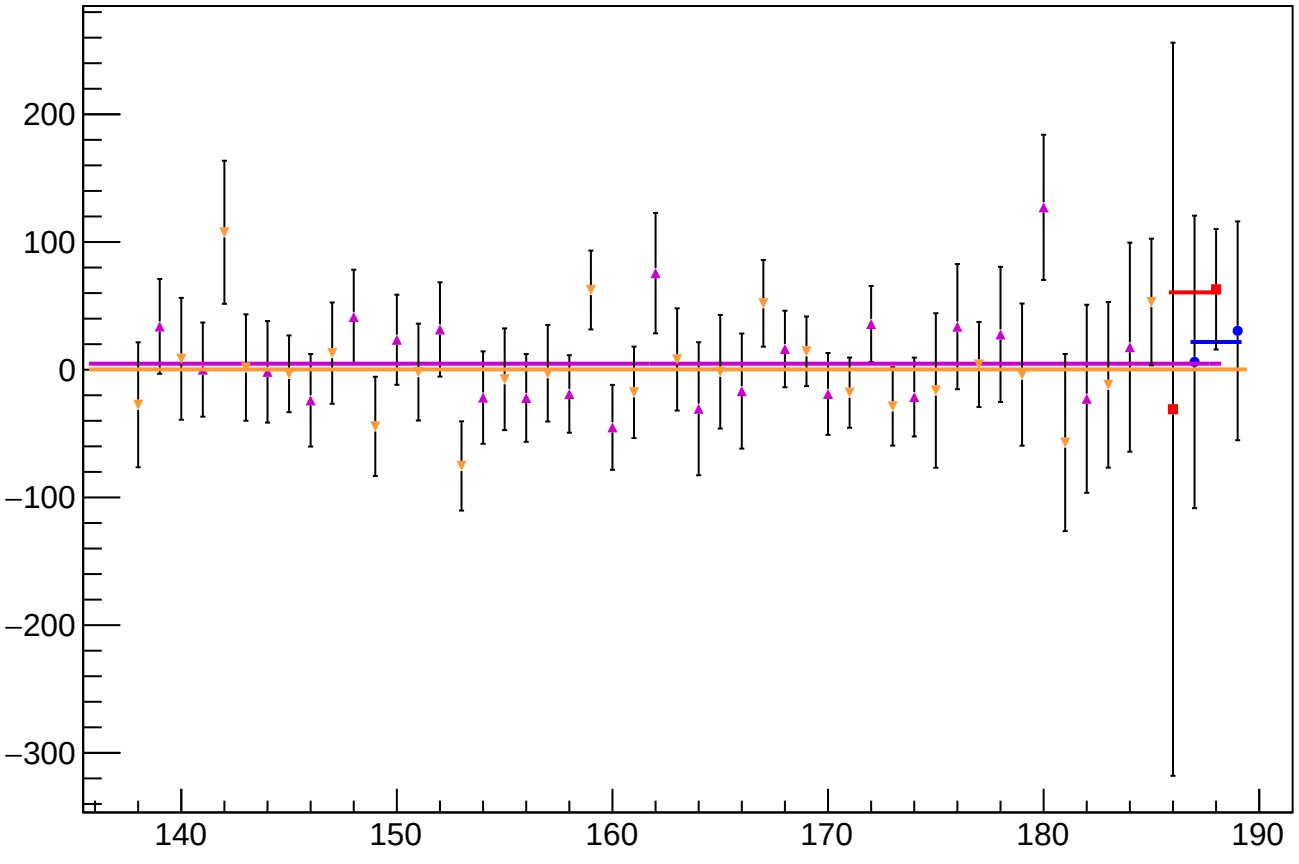
Left In: 686.944+/-0.118 $\chi^2$/NDF:1116042.4/22

+ sign 694.811+/-0.116 $\chi^2$/NDF: 1855946.0/26

All: 695.373+/-0.083 $\chi^2$/NDF: 4352372.2/51

- sign 695.951+/-0.118 $\chi^2$/NDF: 2496378.6/24

# dit_asym_sam_1357_2468_dd_mean vs Slug




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

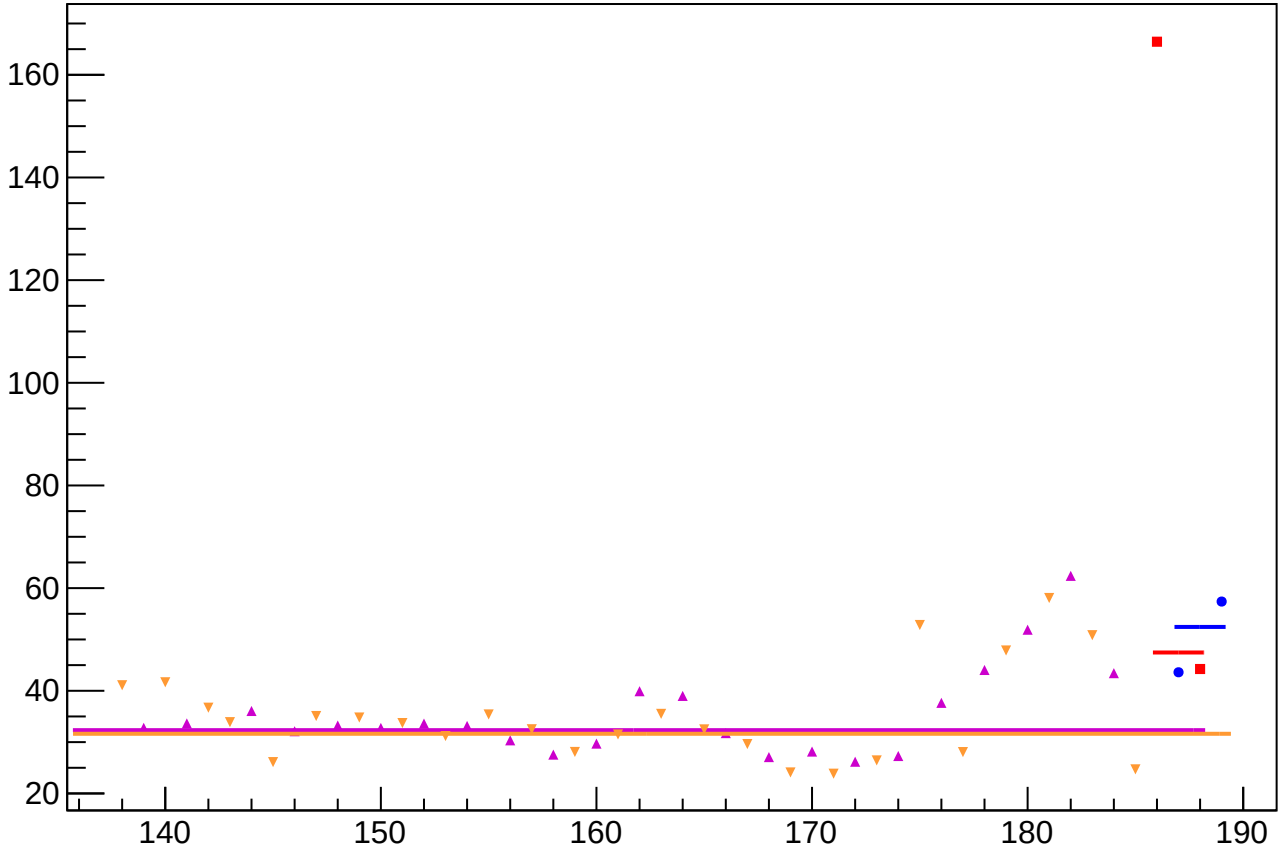
Left In: 4.745+/-7.976 $\chi^2$/NDF:17.9/22

+ sign 0.521+/-7.642 $\chi^2$/NDF: 20.5/26

All: 3.346+/-5.480 $\chi^2$/NDF: 40.2/51

- sign 6.336+/-7.861 $\chi^2$/NDF: 19.4/24

# dit_asym_sam_1357_2468_dd_rms vs Slug




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

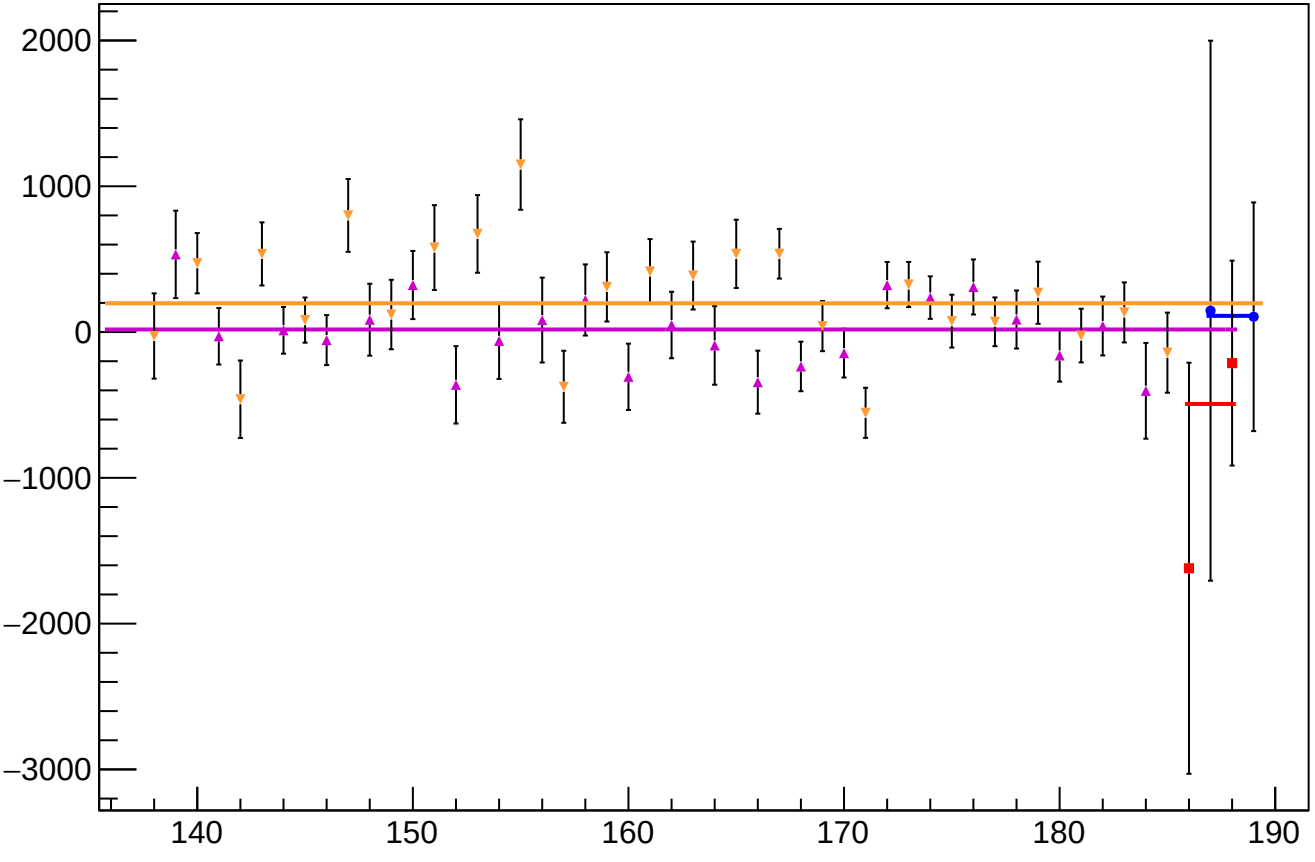
Left In: 32.331+/-0.006 $\chi^2$/NDF:1141501.0/22

+ sign 31.883+/-0.005 $\chi^2$/NDF: 1873866.3/26

All: 32.310+/-0.004 $\chi^2$/NDF: 3586359.5/51

- sign 32.762+/-0.006 $\chi^2$/NDF: 1699620.8/24

# asym_sam_1357_2468_dd_correction_mean vs Slug




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

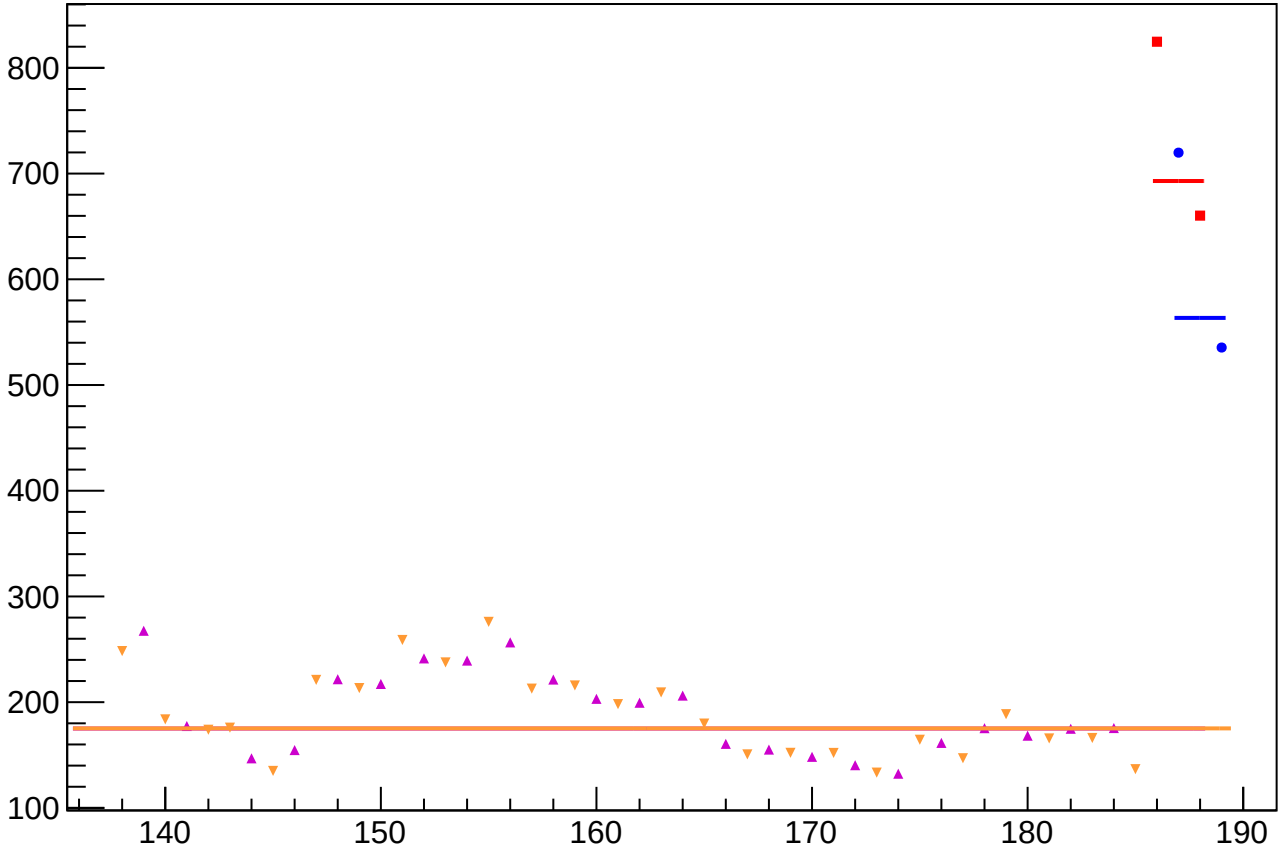
Left In: 17.742+/-42.576 $\chi^2$/NDF:27.1/22

+ sign 197.393+/-41.761 $\chi^2$/NDF: 69.9/26

All: 107.952+/-29.780 $\chi^2$/NDF: 107.8/51

- sign 15.412+/-42.479 $\chi^2$/NDF: 28.5/24

# asym_sam_1357_2468_dd_correction_rms vs Slug




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

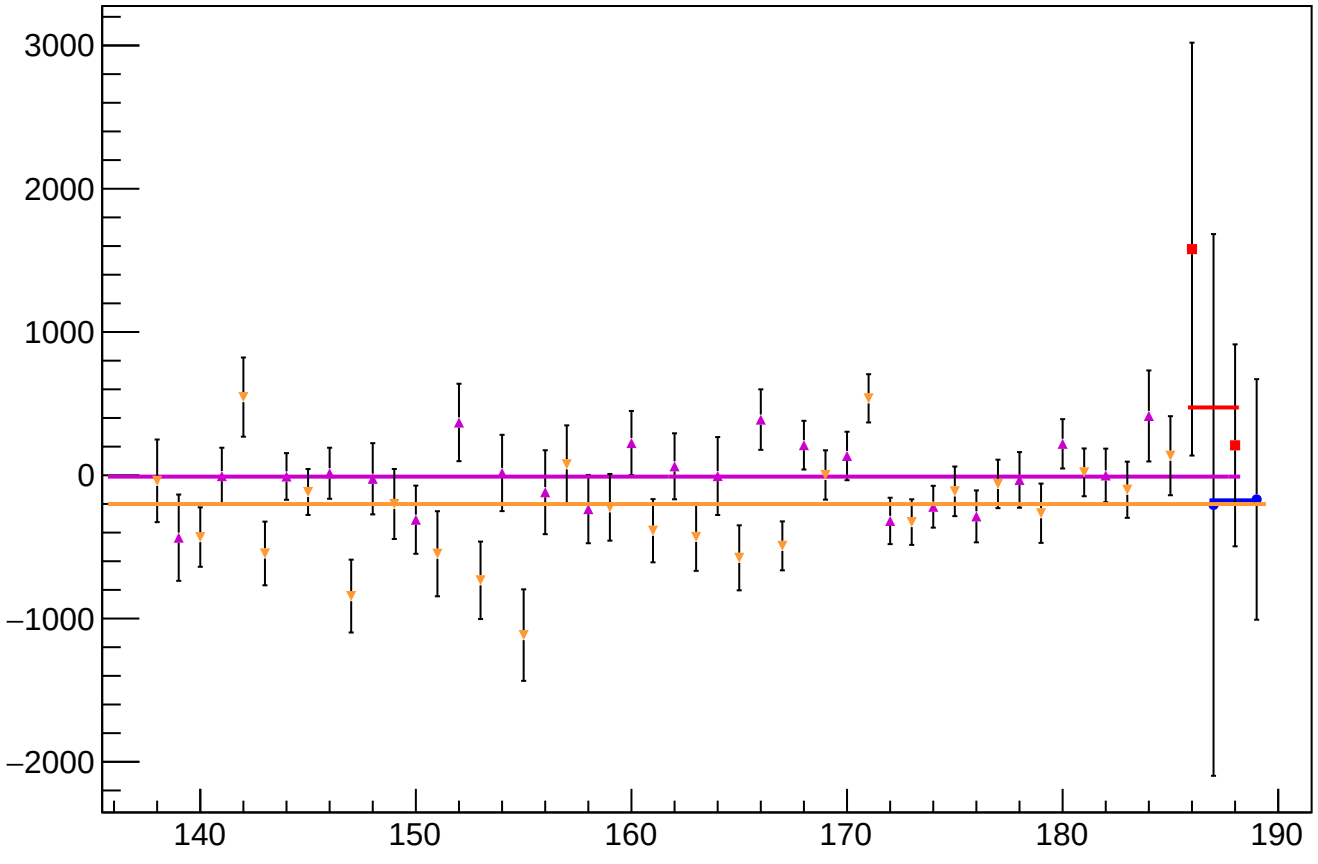
Left In: 175.051+/-0.030 $\chi^2$/NDF:1339755.1/22

+ sign 176.505+/-0.030 $\chi^2$/NDF: 2011150.5/26

All: 176.951+/-0.021 $\chi^2$/NDF: 4722801.2/51

- sign 177.413+/-0.030 $\chi^2$/NDF: 2711186.7/24

# asym_sam_1357_2468_dd_mean vs Slug




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

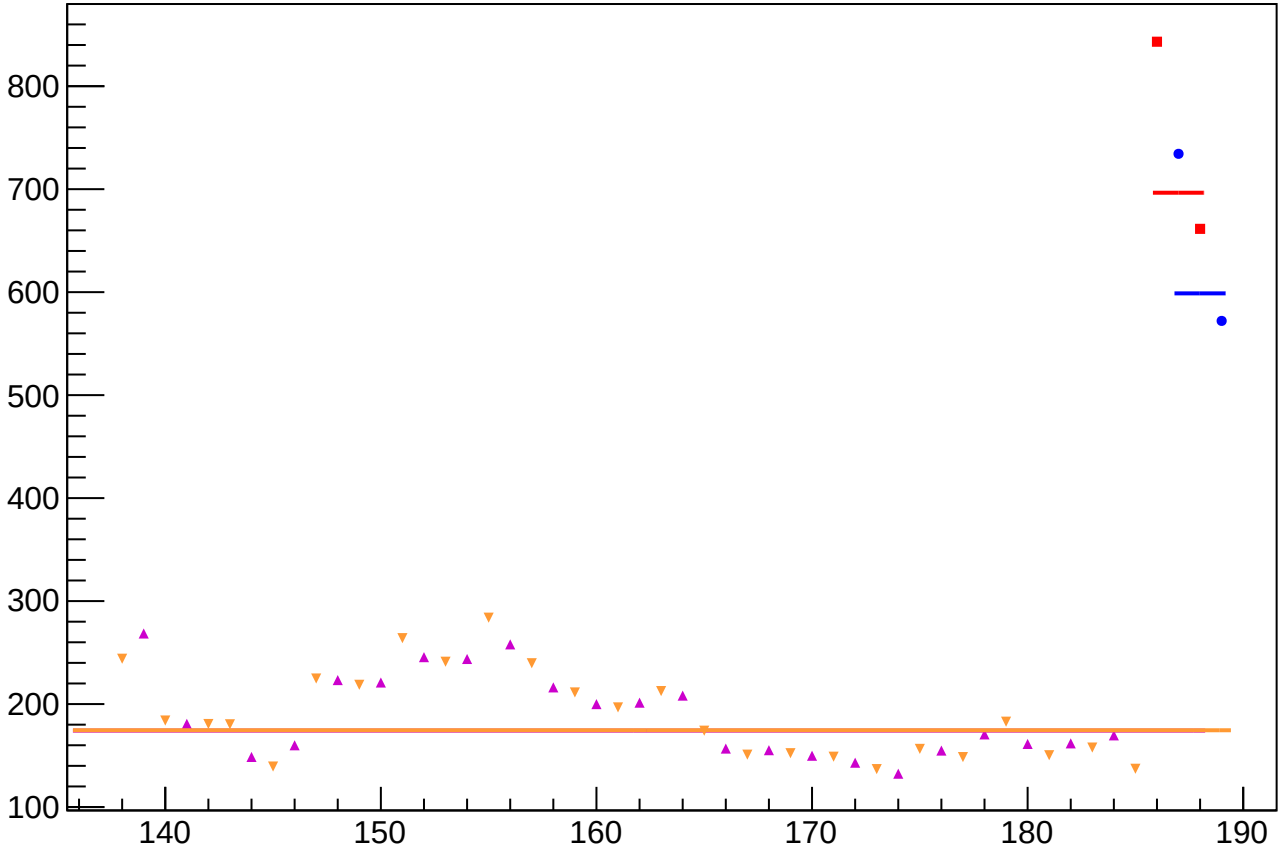
Left In: -9.384+/-42.437 $\chi^2$/NDF:25.4/22

+ sign -200.853+/-41.680 $\chi^2$/NDF: 65.5/26

All: -105.565+/-29.703 $\chi^2$/NDF: 102.8/51

- sign -7.224+/-42.342 $\chi^2$/NDF: 26.7/24

# asym_sam_1357_2468_dd_rms vs Slug




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

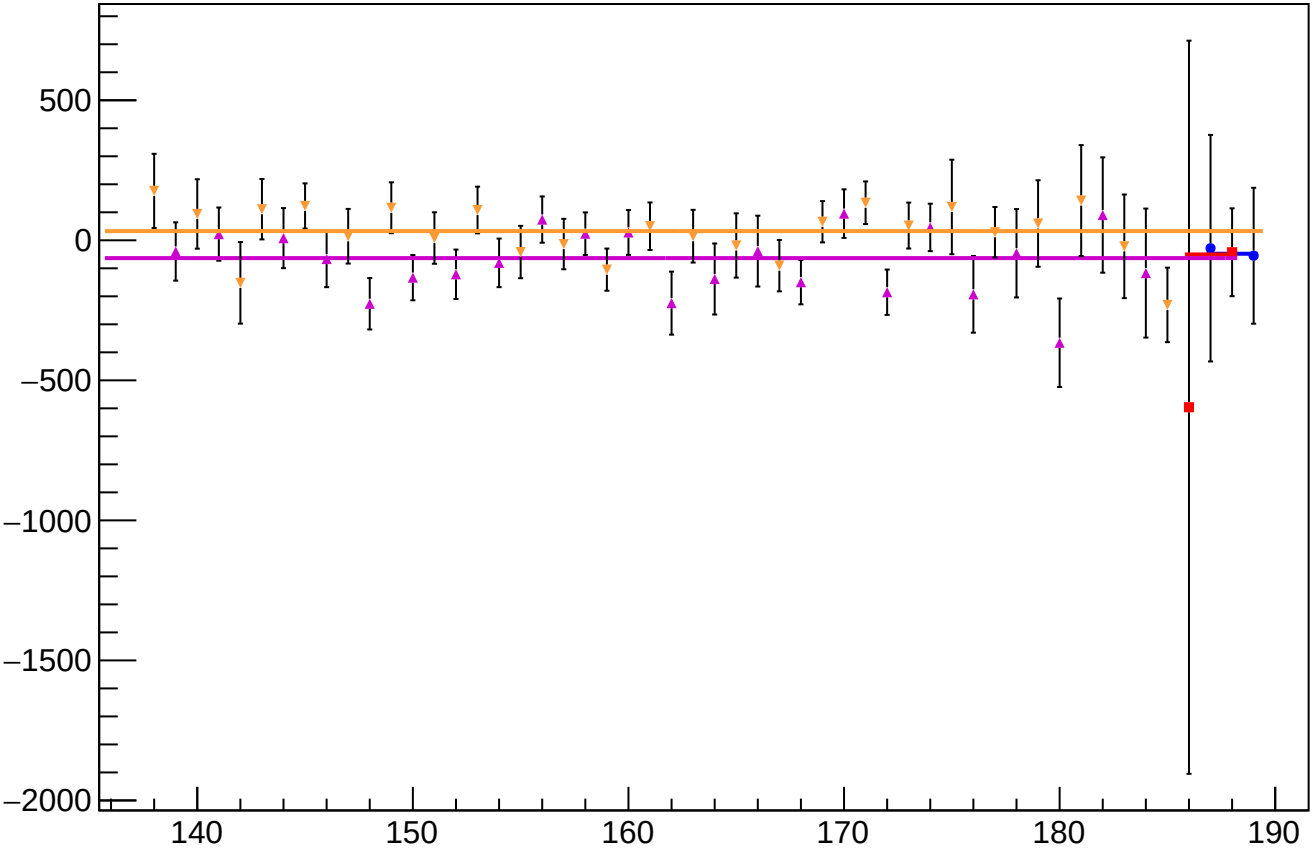
Left In: 174.217+/-0.030 $\chi^2$/NDF:1364600.9/22

+ sign 175.818+/-0.029 $\chi^2$/NDF: 2154740.1/26

All: 176.180+/-0.021 $\chi^2$/NDF: 4900392.8/51

- sign 176.553+/-0.030 $\chi^2$/NDF: 2745347.0/24

# dit_asym_sam_12345678_avg_mean vs Slug




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

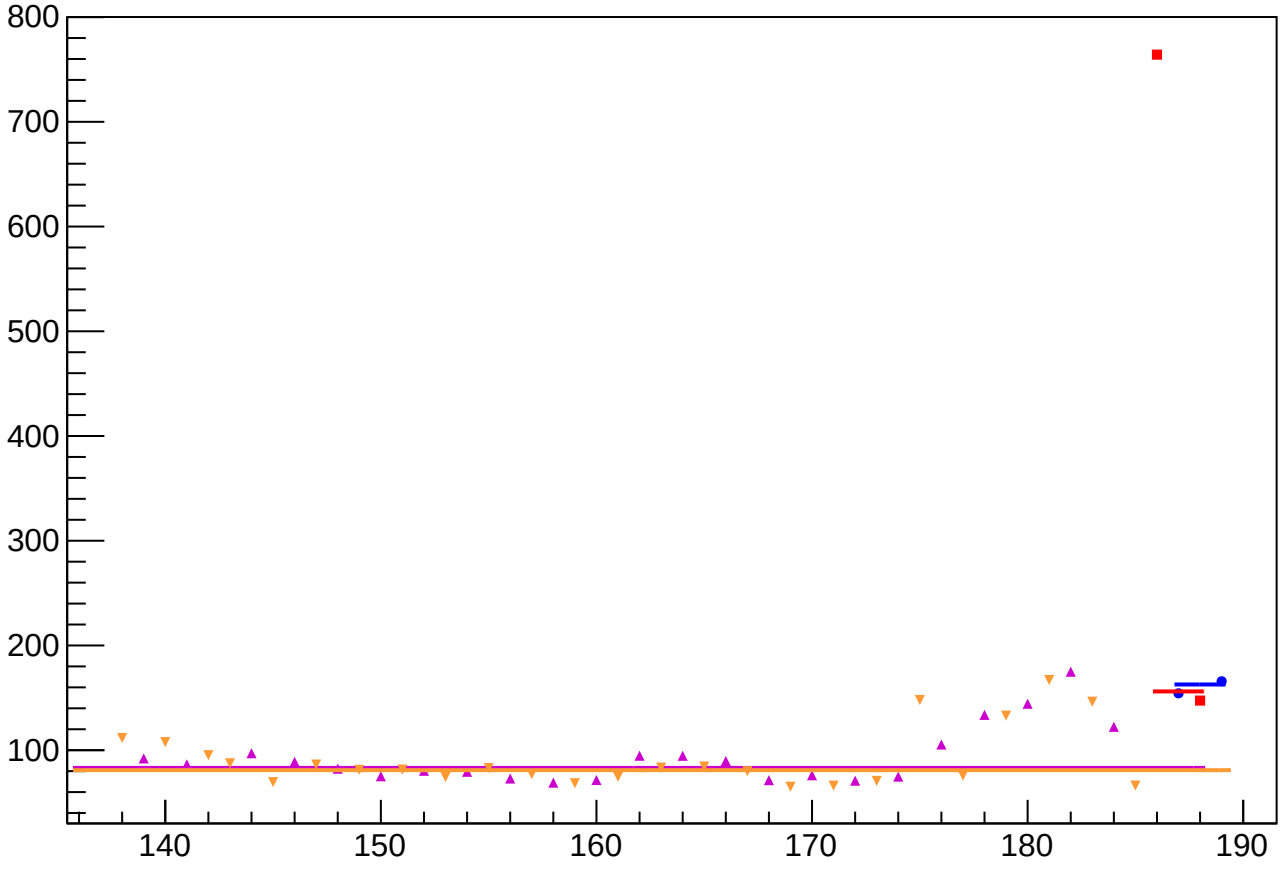
Left In: -63.566+/-20.573 $\chi^2$/NDF:27.2/22

+ sign 32.075+/-19.618 $\chi^2$/NDF: 19.7/26

All: -13.777+/-14.139 $\chi^2$/NDF: 58.4/51

- sign -63.342+/-20.396 $\chi^2$/NDF: 27.3/24

# dit_asym_sam_12345678_avg_rms vs Slug




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

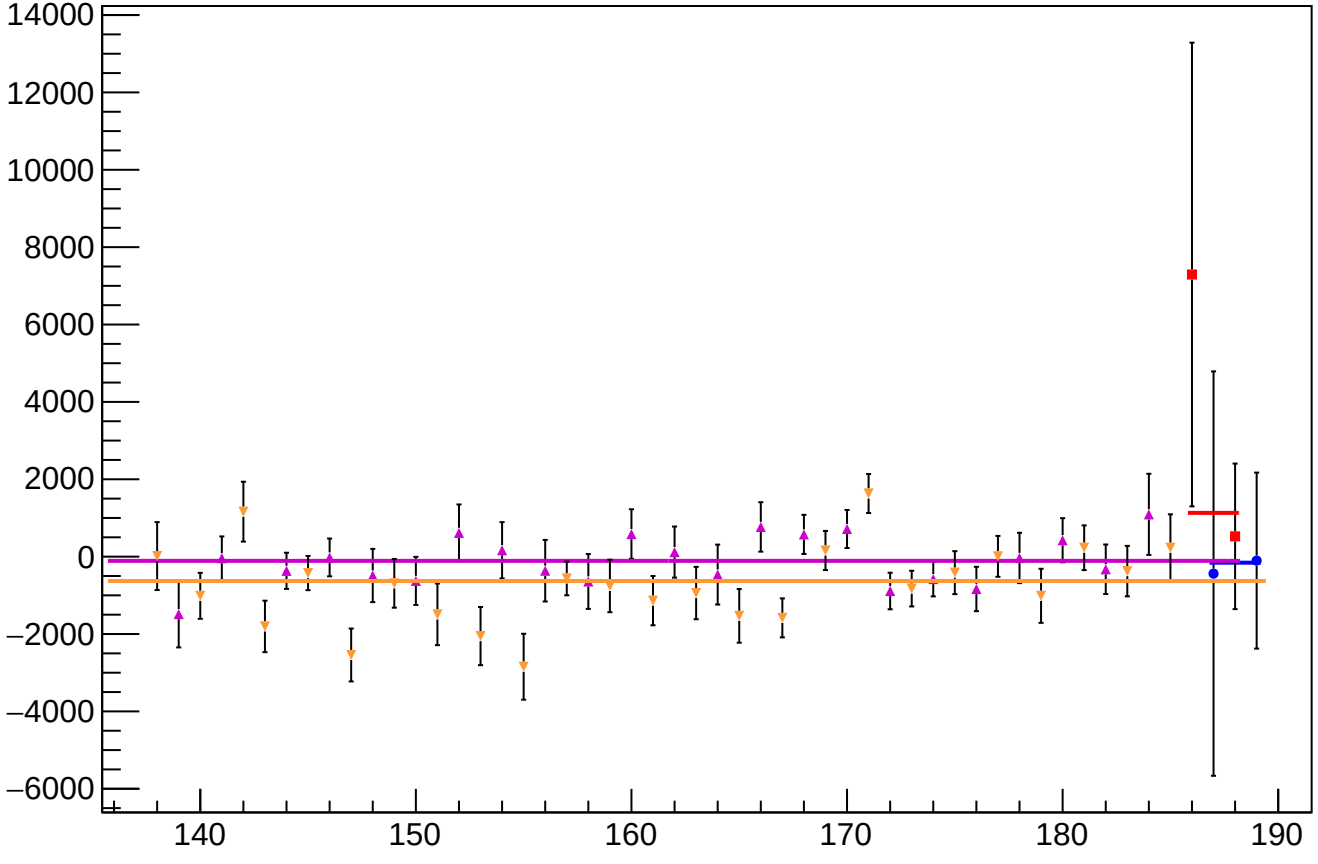
Left In: 83.071+/-0.015 $\chi^2$/NDF:1405124.8/22

+ sign 81.654+/-0.014 $\chi^2$/NDF: 2068706.6/26

All: 82.937+/-0.010 $\chi^2$/NDF: 4362022.9/51

- sign 84.324+/-0.014 $\chi^2$/NDF: 2275512.9/24

# asym_sam_12345678_avg_correction_mean vs Slug




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

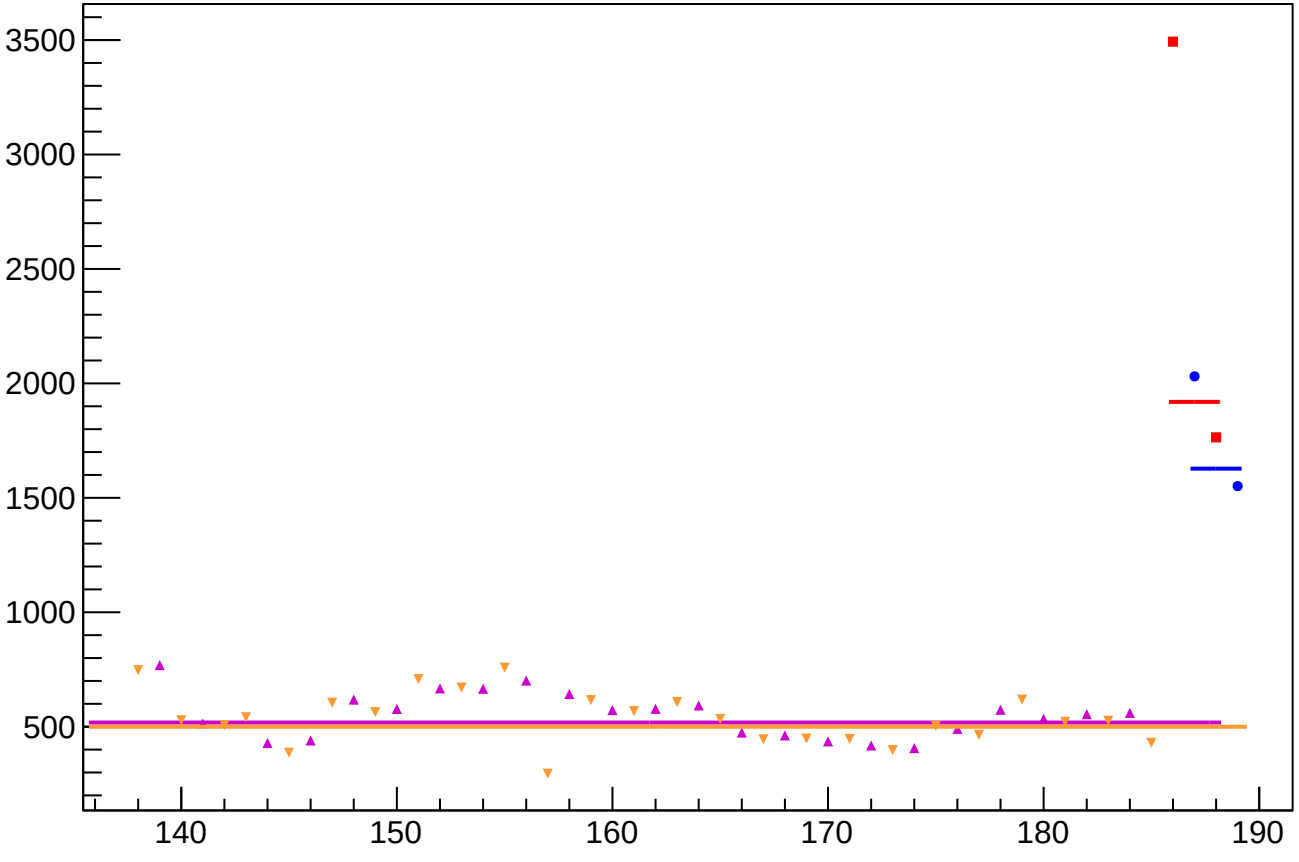
Left In: -108.821+/-125.527 $\chi^2$/NDF:21.4/22

+ sign -627.429+/-120.407 $\chi^2$/NDF: 63.2/26

All: -375.386+/-86.793 $\chi^2$/NDF: 95.4/51

- sign -102.784+/-125.221 $\chi^2$/NDF: 23.1/24

# asym_sam_12345678_avg_correction_rms vs Slug




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

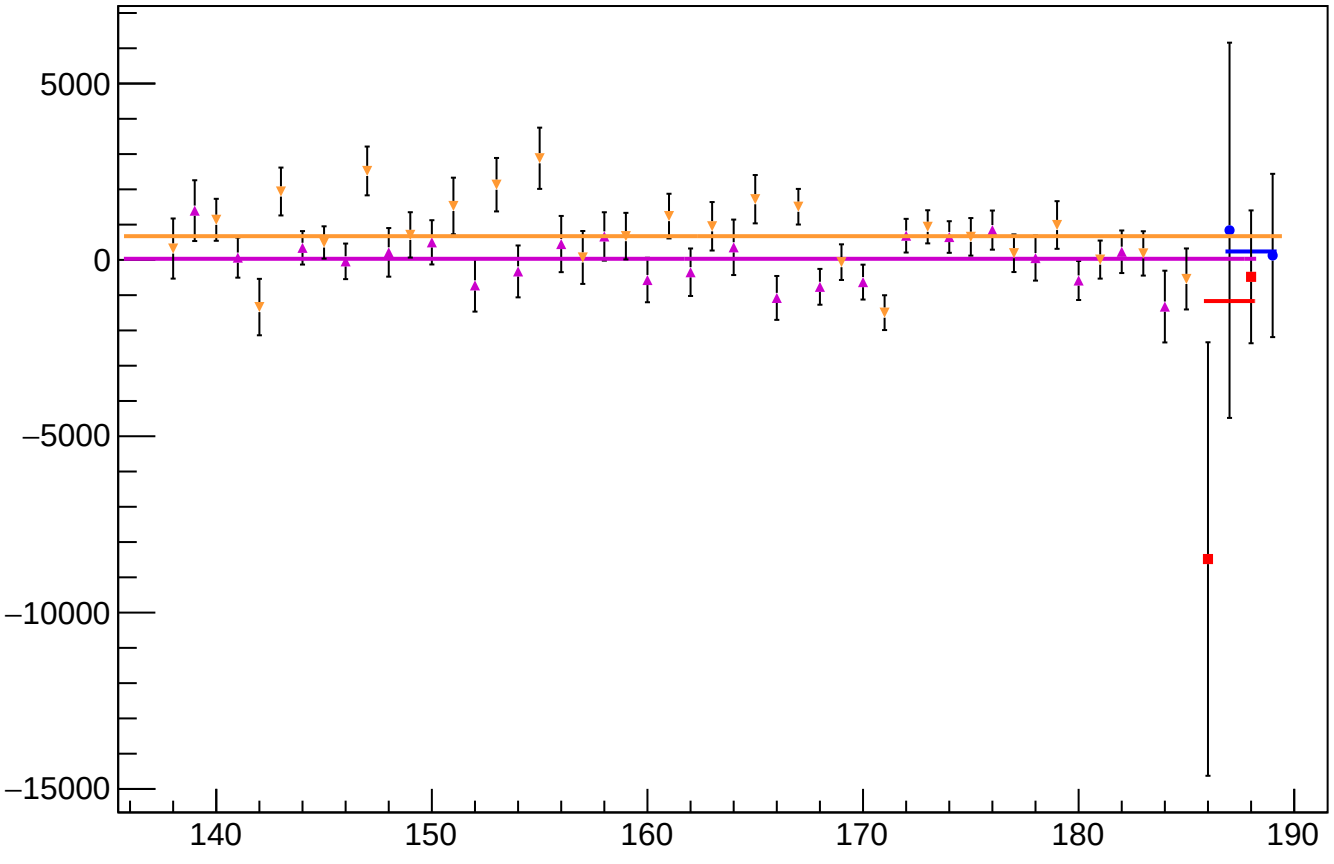
Left In: 518.244+/-0.089 $\chi^2$/NDF:1071993.3/22

+ sign 503.570+/-0.085 $\chi^2$/NDF: 2223181.6/26

All: 513.896+/-0.061 $\chi^2$/NDF: 4689974.3/51

- sign 525.064+/-0.089 $\chi^2$/NDF: 2436175.0/24

# asym_sam_12345678_avg_mean vs Slug




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

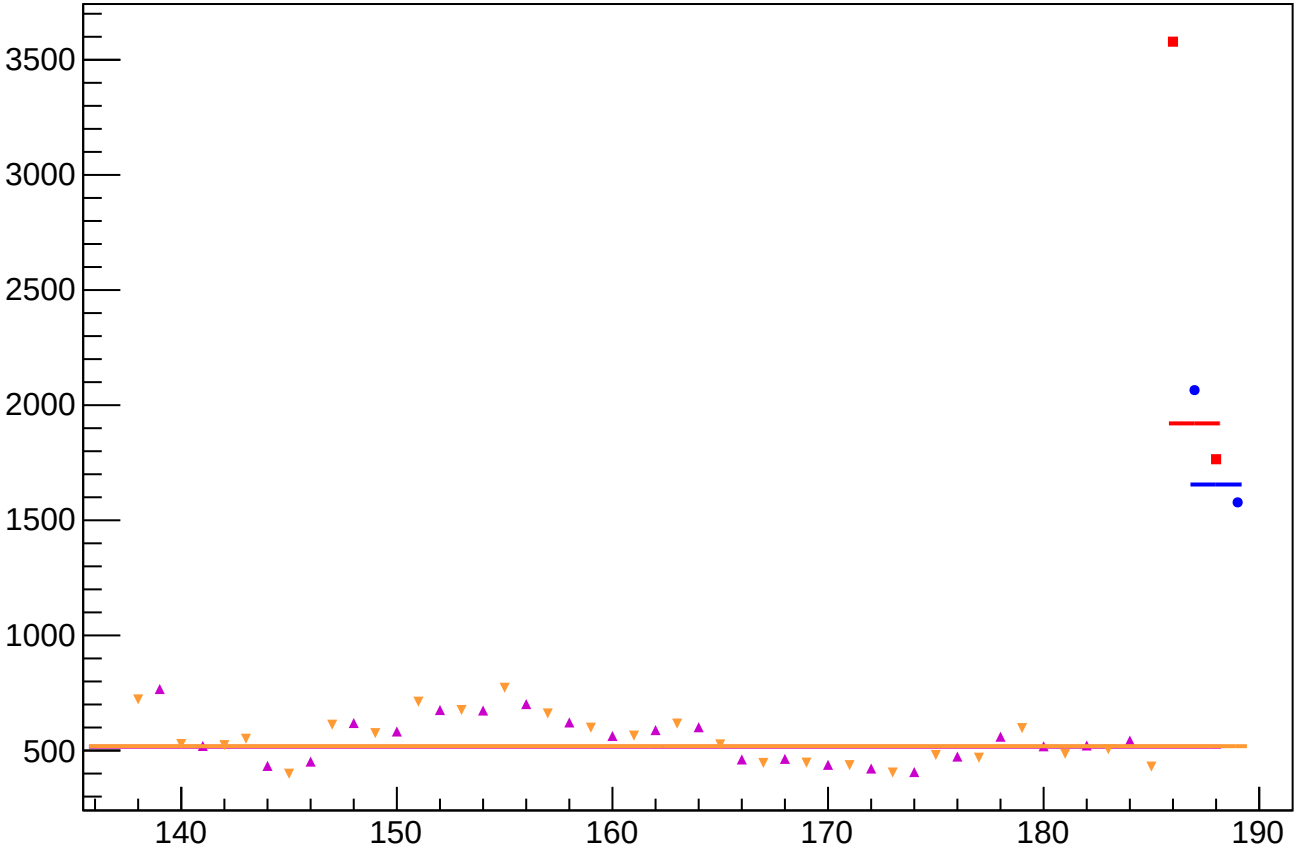
Left In: 31.056+/-125.236 $\chi^2$/NDF:23.8/22

+ sign 671.037+/-123.220 $\chi^2$/NDF: 62.8/26

All: 352.624+/-87.730 $\chi^2$/NDF: 102.2/51

- sign 25.287+/-124.935 $\chi^2$/NDF: 25.8/24

# asym_sam_12345678_avg_rms vs Slug




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

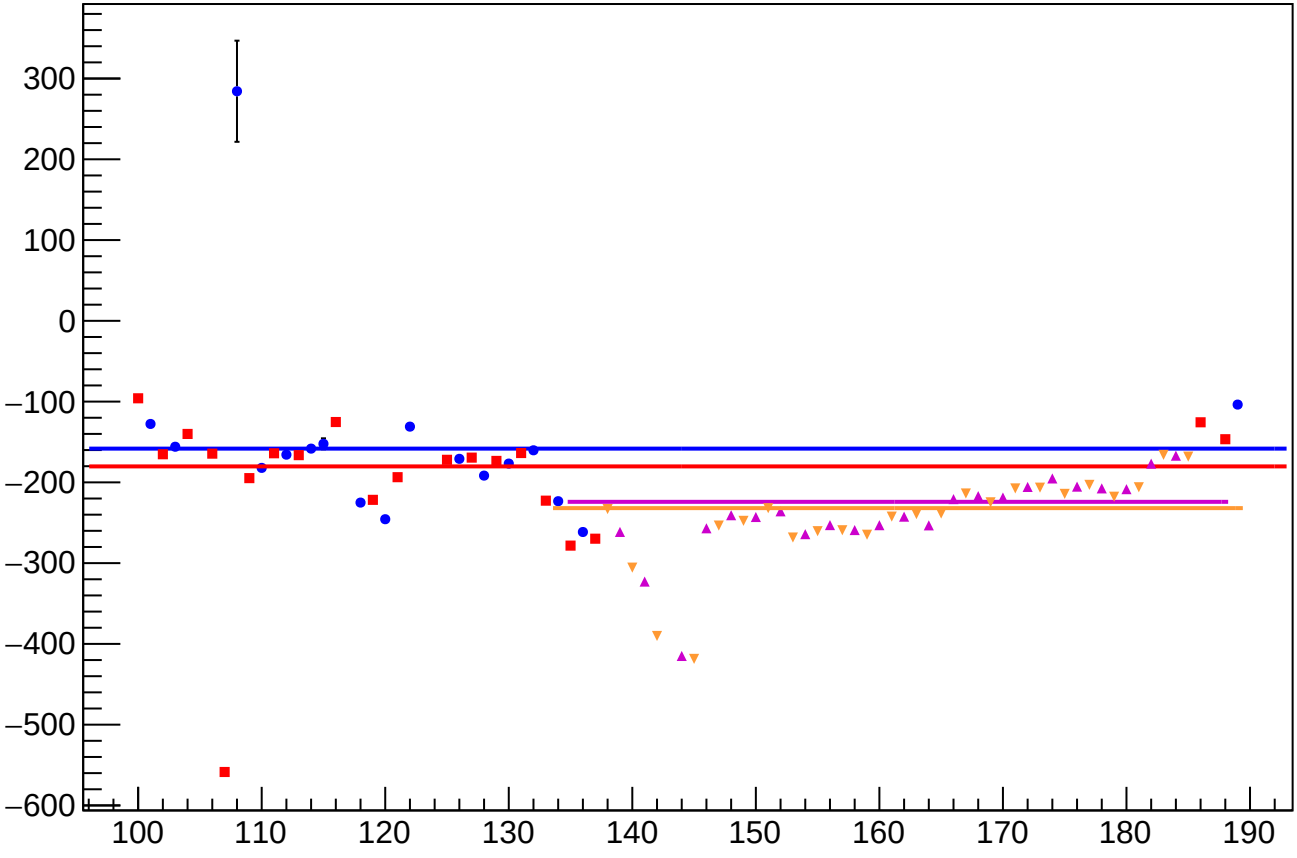
Left In: 516.594+/-0.089 $\chi^2$/NDF:1036092.8/22

+ sign 522.765+/-0.087 $\chi^2$/NDF: 1758250.0/26

All: 523.056+/-0.062 $\chi^2$/NDF: 4164294.1/51

- sign 523.355+/-0.088 $\chi^2$/NDF: 2406021.5/24

# dit_usl_4aX_slope vs Slug




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

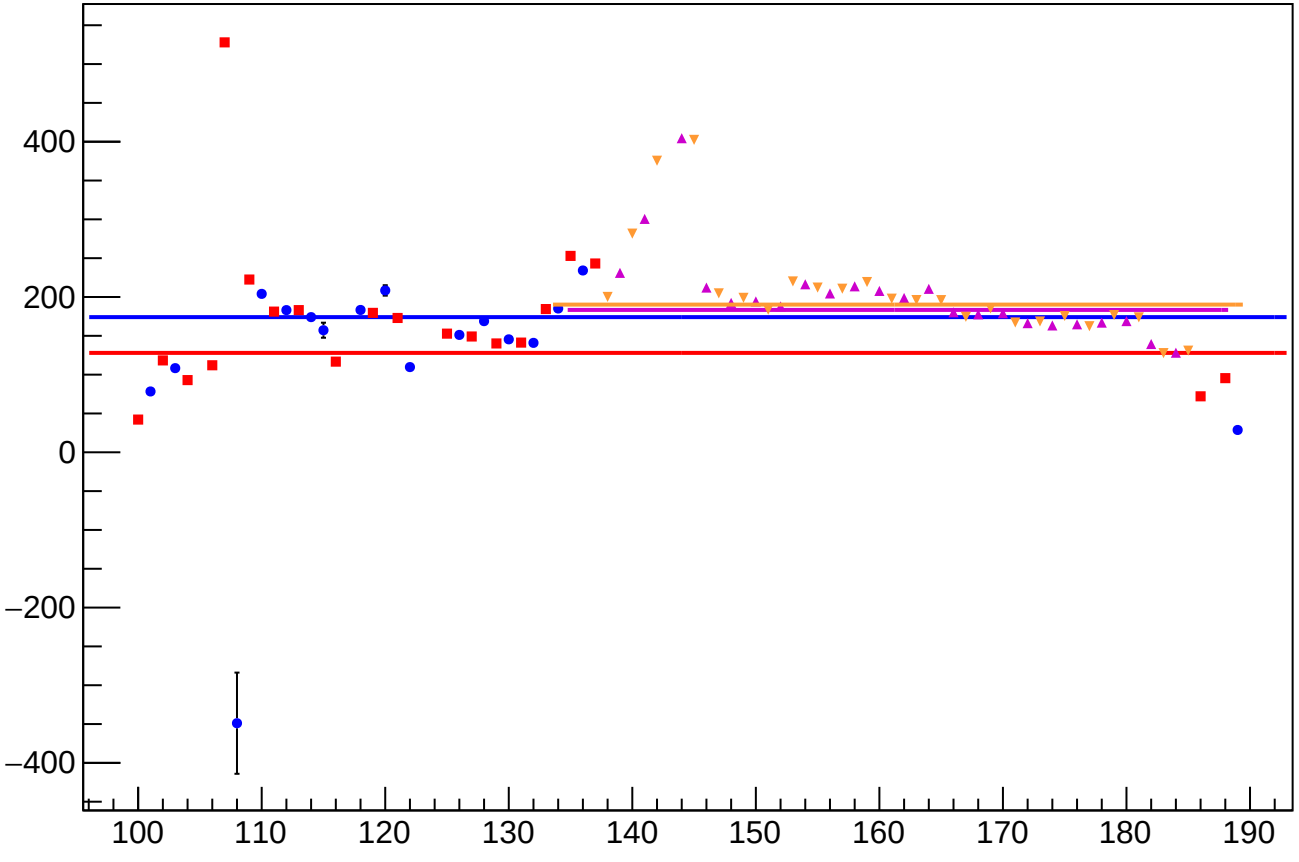
Left In: -224.103+/-0.098 $\chi^2$/NDF:153347.0/22

+ sign -158.222+/-0.000 $\chi^2$/NDF: 692827.7/40

All: -158.222+/-0.000 $\chi^2$/NDF: 1524105.7/83

- sign -209.772+/-0.081 $\chi^2$/NDF: 422690.7/42

# dit_usl_4eX_slope vs Slug




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

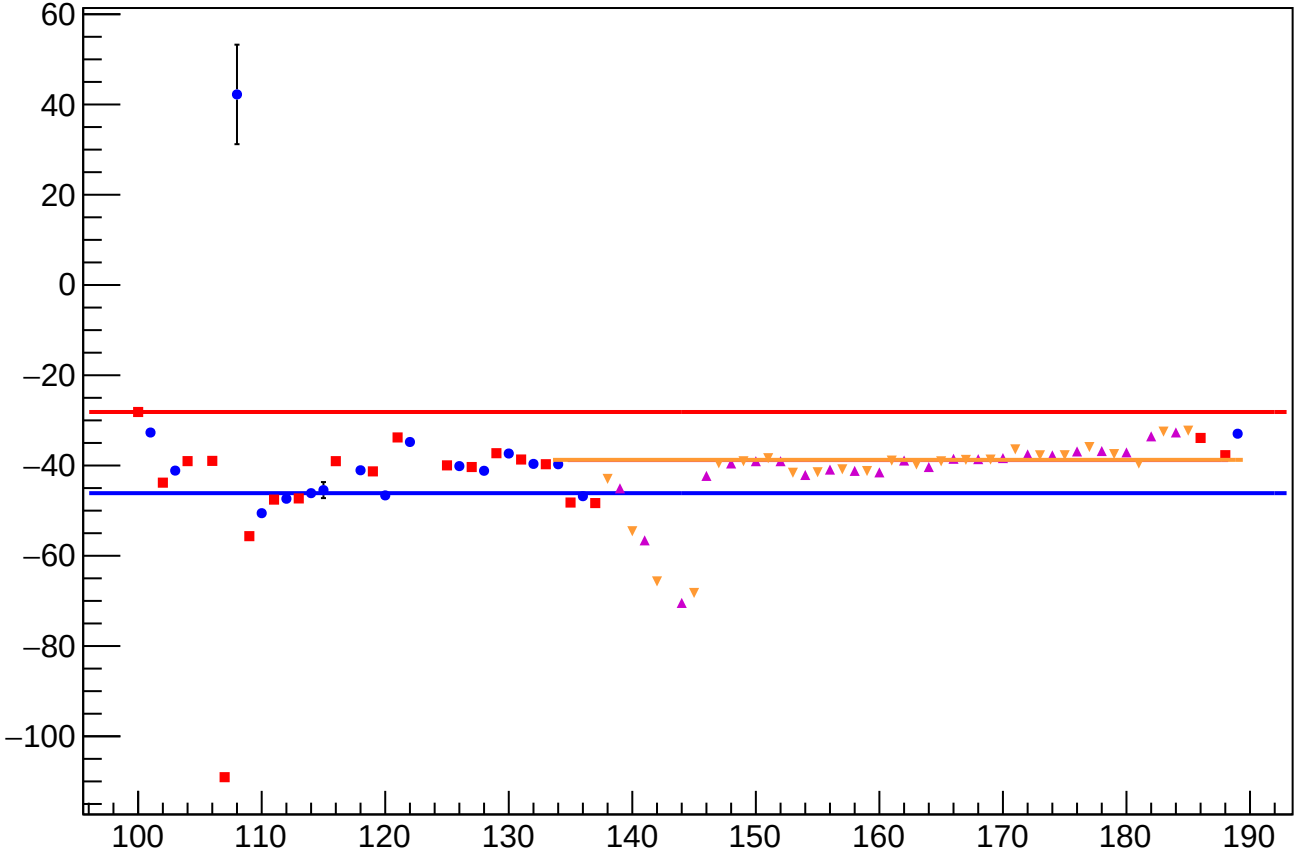
Left In: 183.362+/-0.099 $\chi^2$/NDF:155441.6/22

+ sign 174.085+/-0.000 $\chi^2$/NDF: 176363.6/40

All: 174.085+/-0.000 $\chi^2$/NDF: 631725.0/83

- sign 167.543+/-0.084 $\chi^2$/NDF: 449243.3/42

# dit_usl_11X12X_slope vs Slug




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

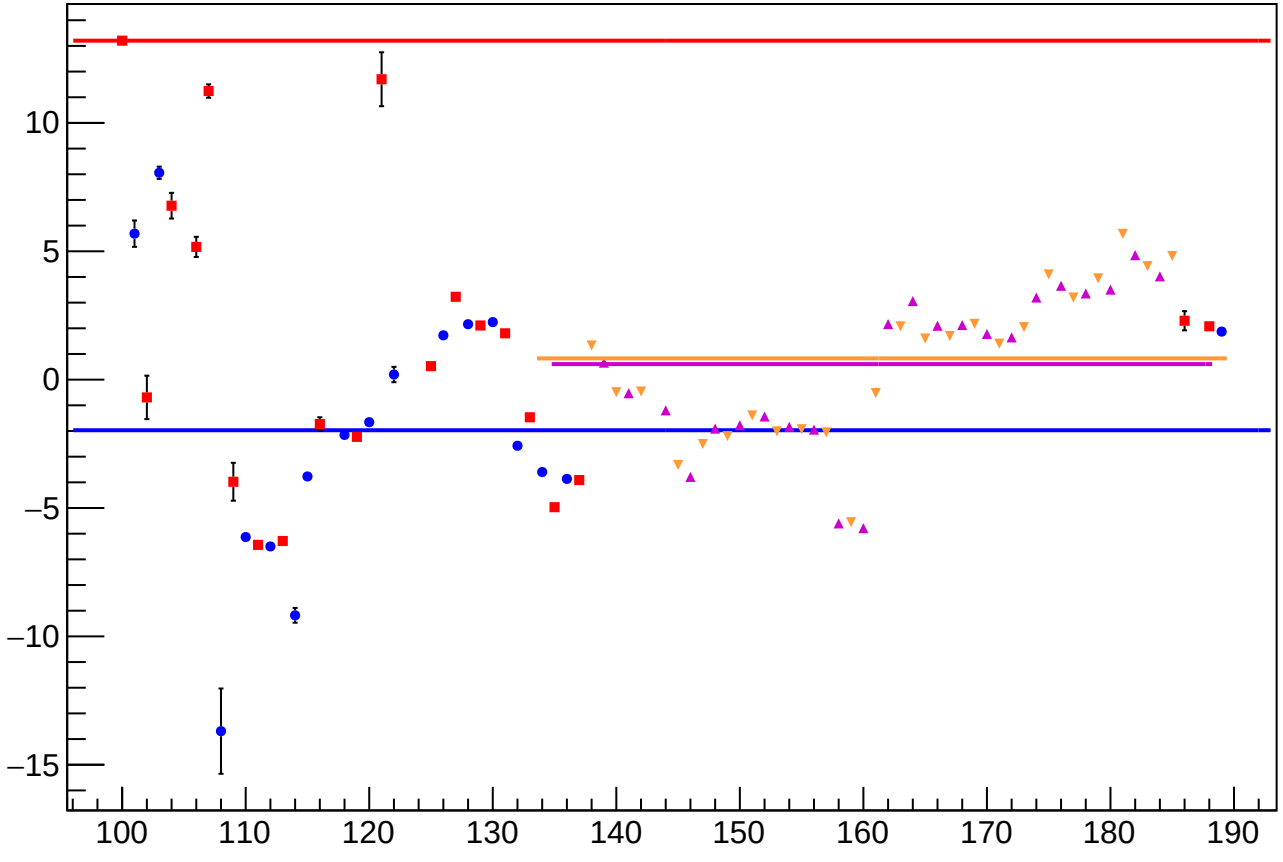
Left In: -38.794+/-0.007 $\chi^2$/NDF:321993.9/22

+ sign -46.126+/-0.000 $\chi^2$/NDF: 2388912.5/40

All: -39.778+/-0.000 $\chi^2$/NDF: 24879599323 1

- sign -28.139+/-0.000 $\chi^2$/NDF: 3776279.3/42

# dit_usl_4aY_slope vs Slug




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

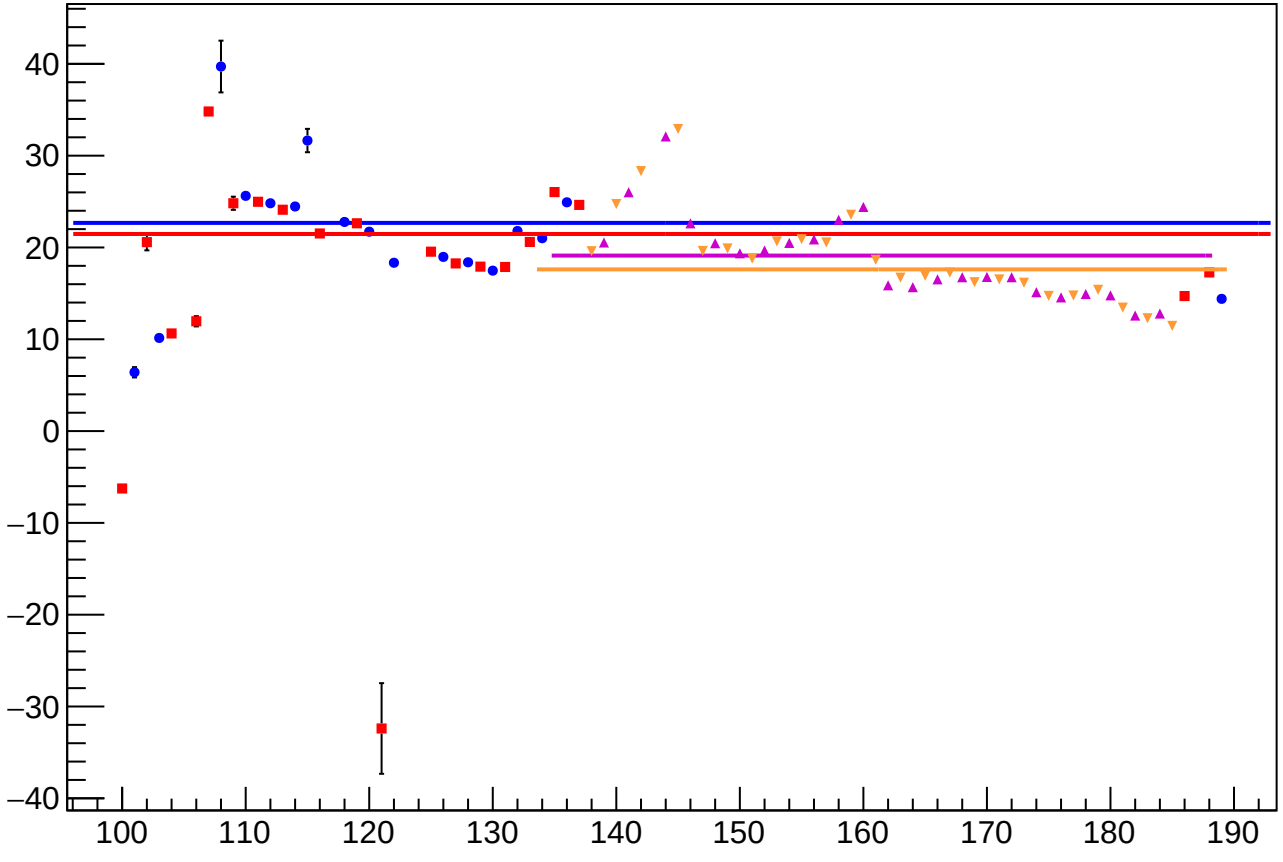
Left In: 0.606+/-0.005 $\chi^2$/NDF:331282.7/22

+ sign 0.526+/-0.006 $\chi^2$/NDF: 304594.6/40

All: 13.204+/-0.000 $\chi^2$/NDF: 12186378.3/83

- sign 13.204+/-0.000 $\chi^2$/NDF: 7080960.3/42

# dit_usl_4eY_slope vs Slug




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

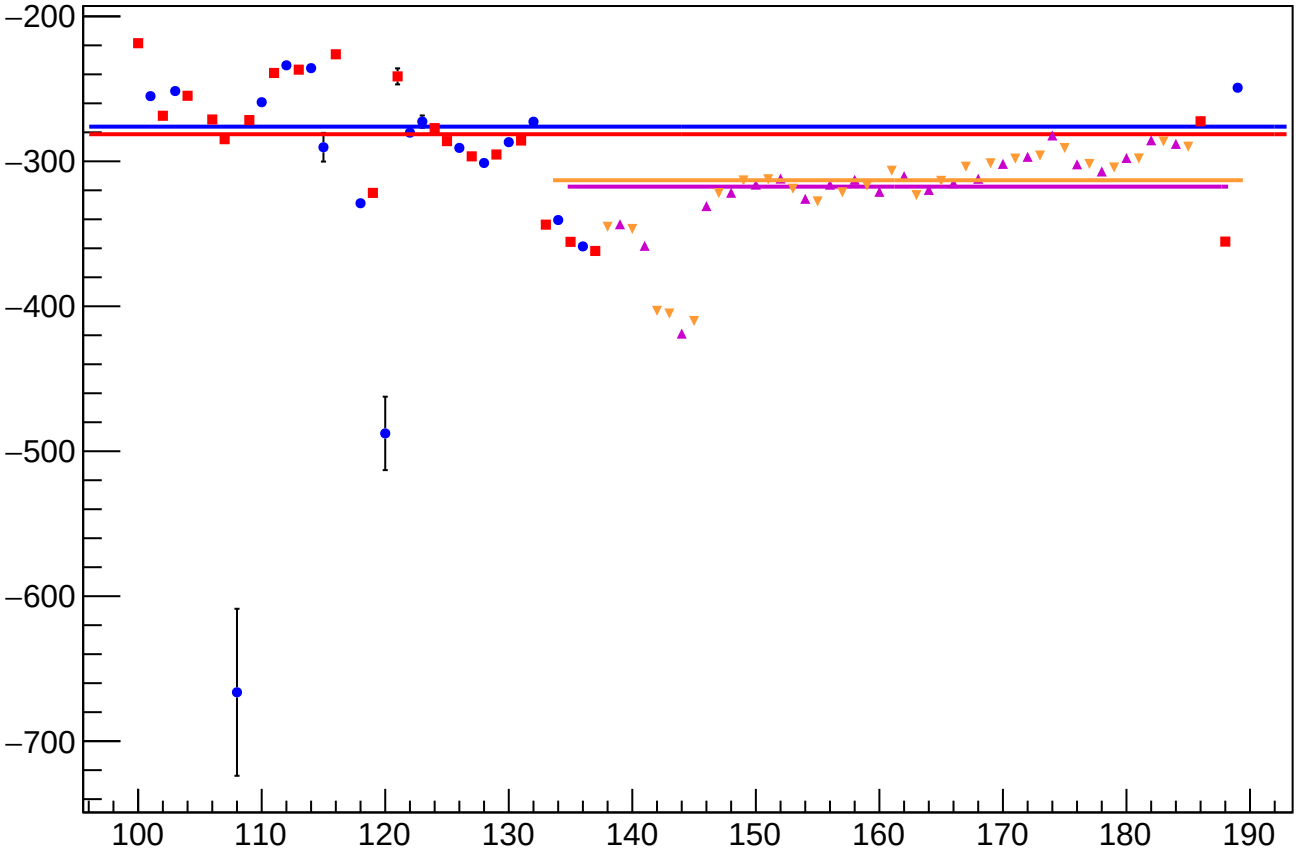
Left In: 19.117+/-0.007 $\chi^2$/NDF:229353.0/22

+ sign 18.254+/-0.007 $\chi^2$/NDF: 265938.3/40

All: 18.804+/-0.005 $\chi^2$/NDF: 550445.7/83

- sign 19.363+/-0.007 $\chi^2$/NDF: 270744.5/42

# dit_usr_4aX_slope vs Slug




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

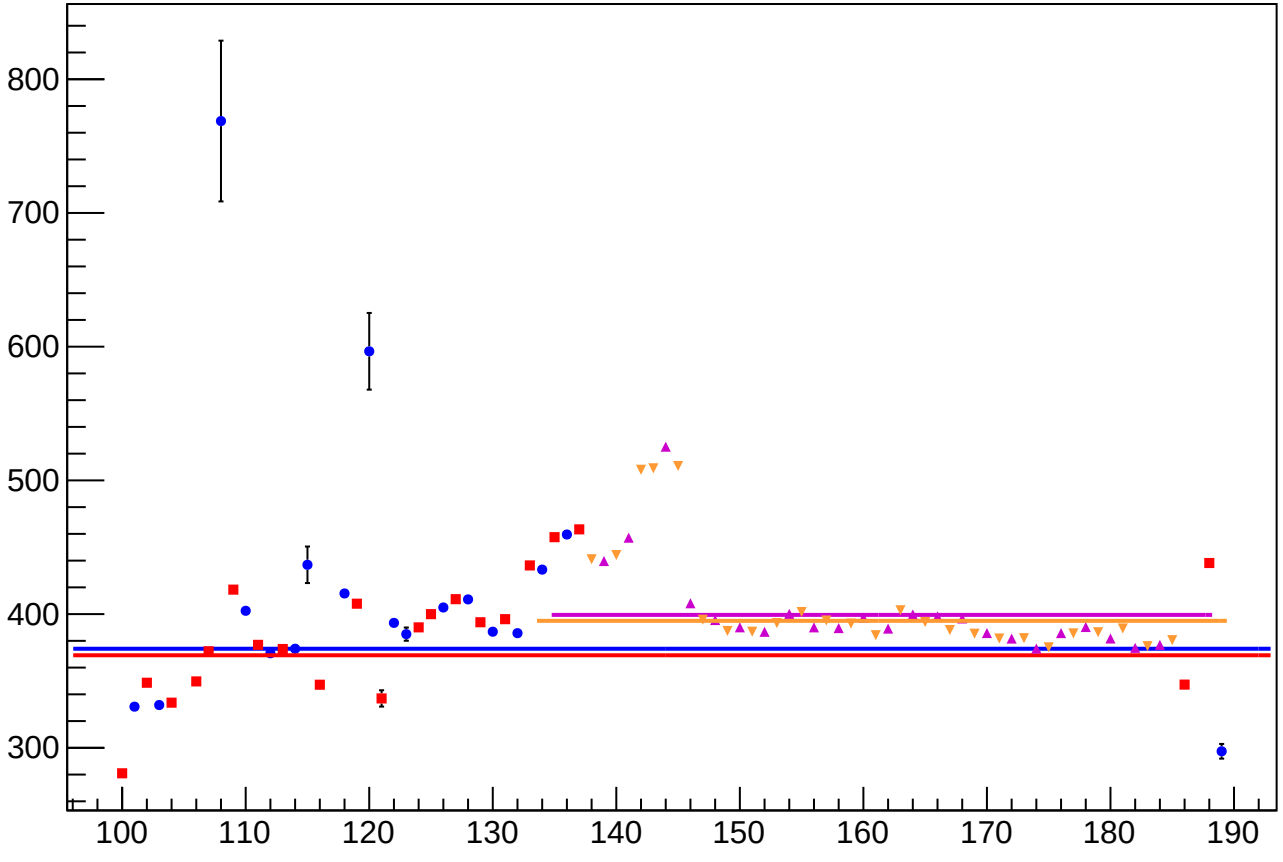
Left In: -317.471+/-0.095 $\chi^2$/NDF:63067.6/22

+ sign -303.825+/-0.083 $\chi^2$/NDF: 149779.3/42

All: -304.738+/-0.057 $\chi^2$/NDF: 344241.5/86

- sign -305.543+/-0.078 $\chi^2$/NDF: 194234.7/43

# dit_usr_4eX_slope vs Slug




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

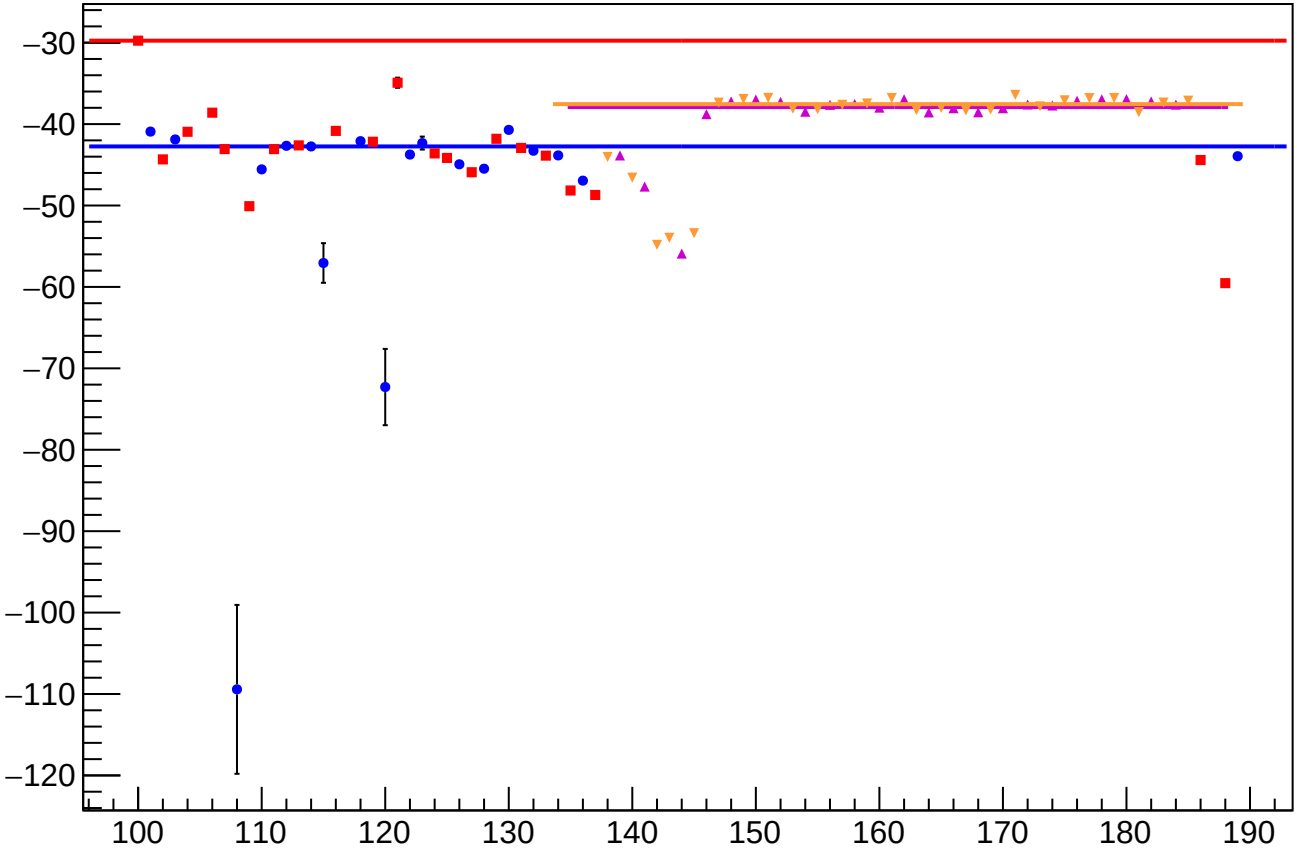
Left In: 399.410+/-0.097 $\chi^2$/NDF:77209.0/22

+ sign 374.094+/-0.000 $\chi^2$/NDF: 150613.2/42

All: 374.094+/-0.000 $\chi^2$/NDF: 414936.0/86

- sign 389.669+/-0.080 $\chi^2$/NDF: 226155.7/43

# dit_usr_11X12X_slope vs Slug




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

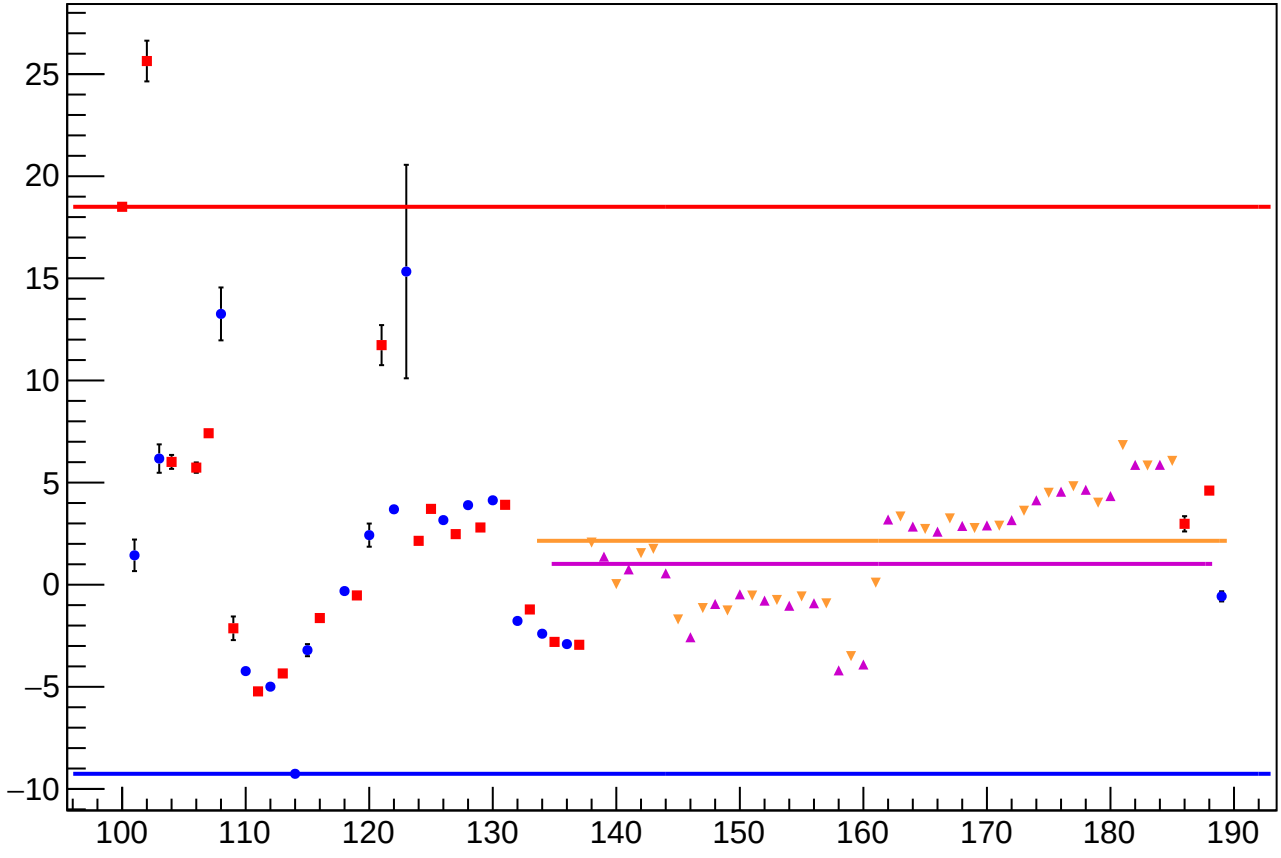
Left In: -37.903+/-0.004 $\chi^2$/NDF:156960.8/22

+ sign -42.744+/-0.000 $\chi^2$/NDF: 2116306.4/42

All: -38.159+/-0.000 $\chi^2$/NDF: 12976521268 0

- sign -29.754+/-0.000 $\chi^2$/NDF: 4554759.9/43

# dit_usr_4aY_slope vs Slug




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

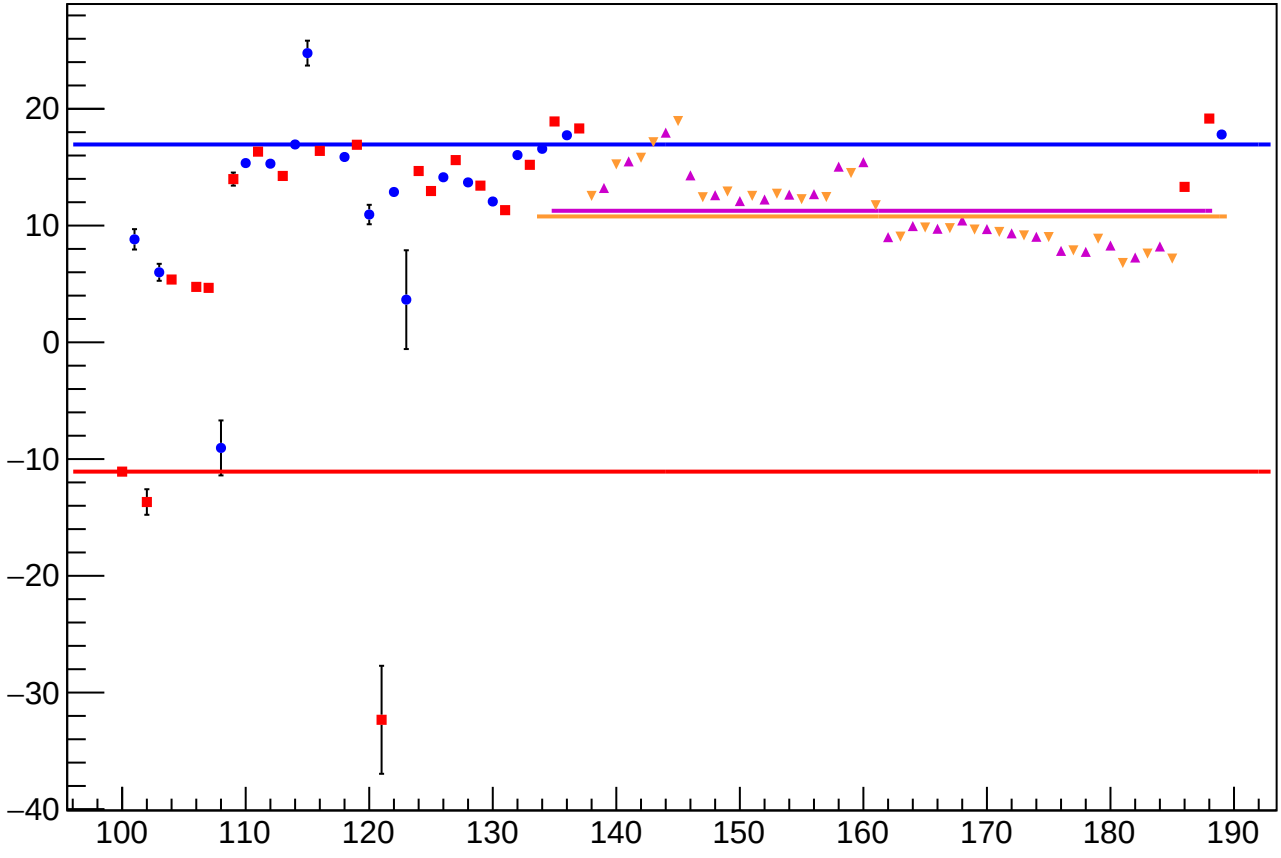
Left In: 1.019+/-0.006 $\chi^2$/NDF:250029.0/22

+ sign -9.259+/-0.000 $\chi^2$/NDF: 6140669.9/42

All: 6.039+/-0.000 $\chi^2$/NDF: 1645057450595

- sign 18.504+/-0.000 $\chi^2$/NDF: 17032728.0/43

# dit_usr_4eY_slope vs Slug




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

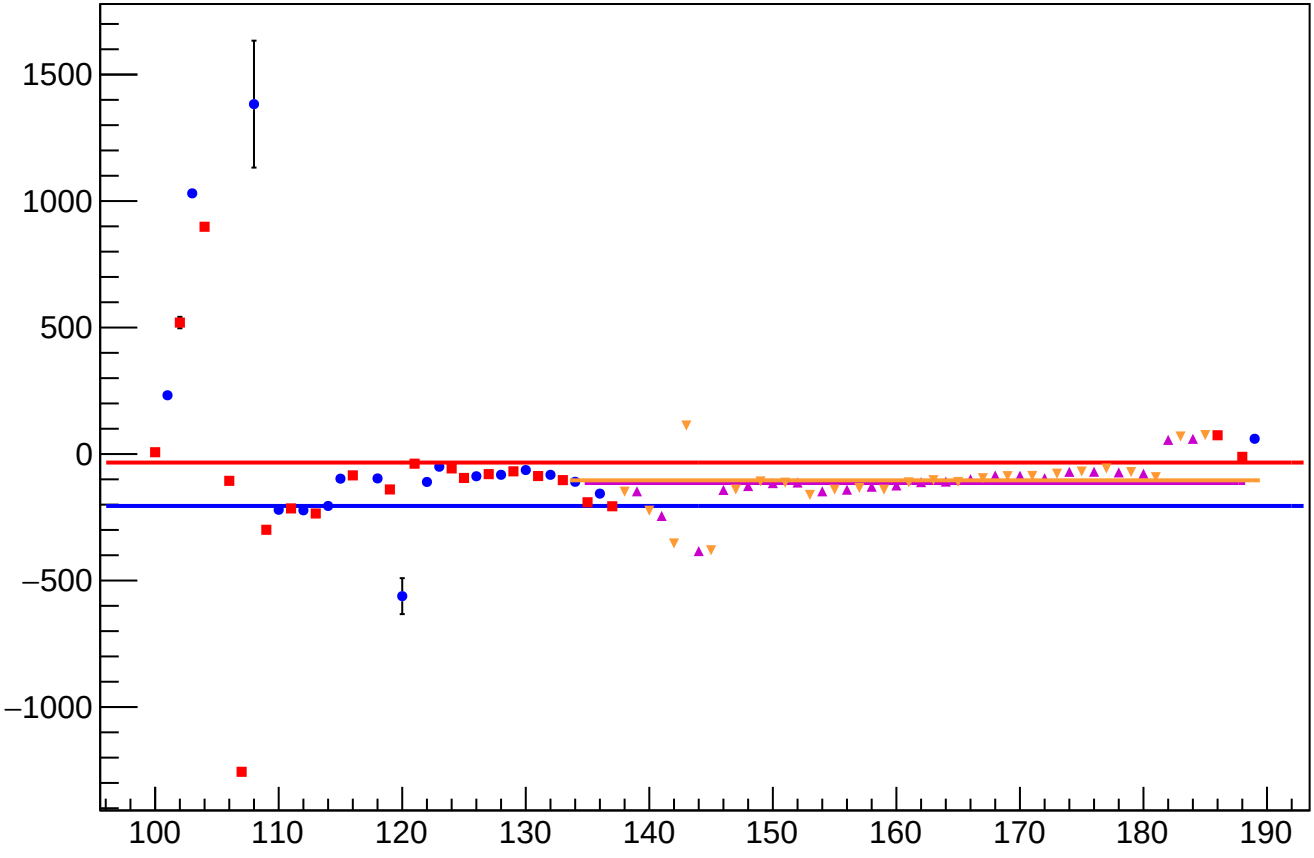
Left In: 11.267+/-0.008 $\chi^2$/NDF:98438.0/22

+ sign 16.947+/-0.000 $\chi^2$/NDF: 995593.6/42

All: -2.268+/-0.000 $\chi^2$/NDF: 469252745463

- sign -11.075+/-0.000 $\chi^2$/NDF: 11000522.4/43

# dit_atl1_4aX_slope vs Slug




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

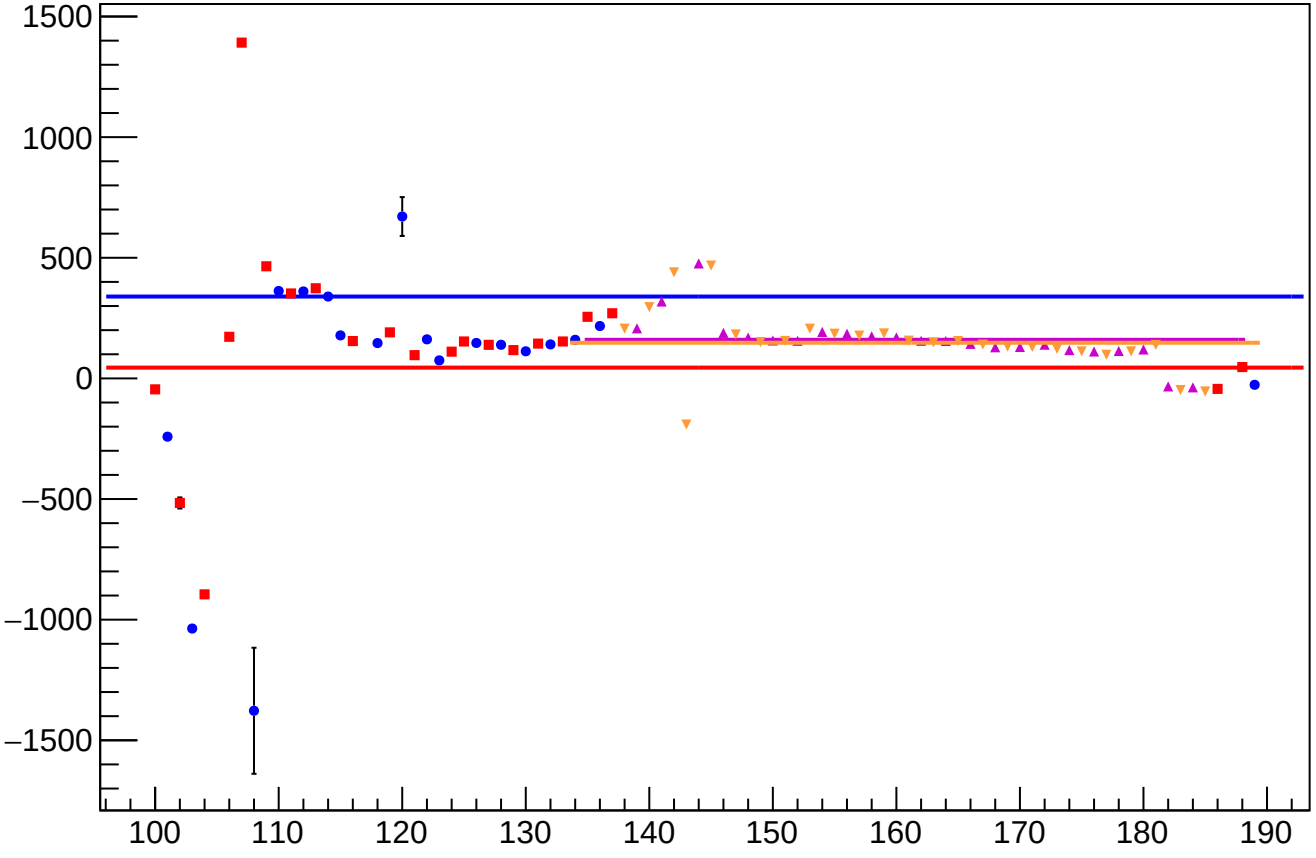
Left In: -114.444+/-0.225 $\chi^2$/NDF:76837.7/22

+ sign -205.160+/-0.000 $\chi^2$/NDF: 1705443.1/42

All: -205.160+/-0.000 $\chi^2$/NDF: 2565482.0/86

- sign -78.458+/-0.167 $\chi^2$/NDF: 287108.7/43

# dit_atl1_4eX_slope vs Slug




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

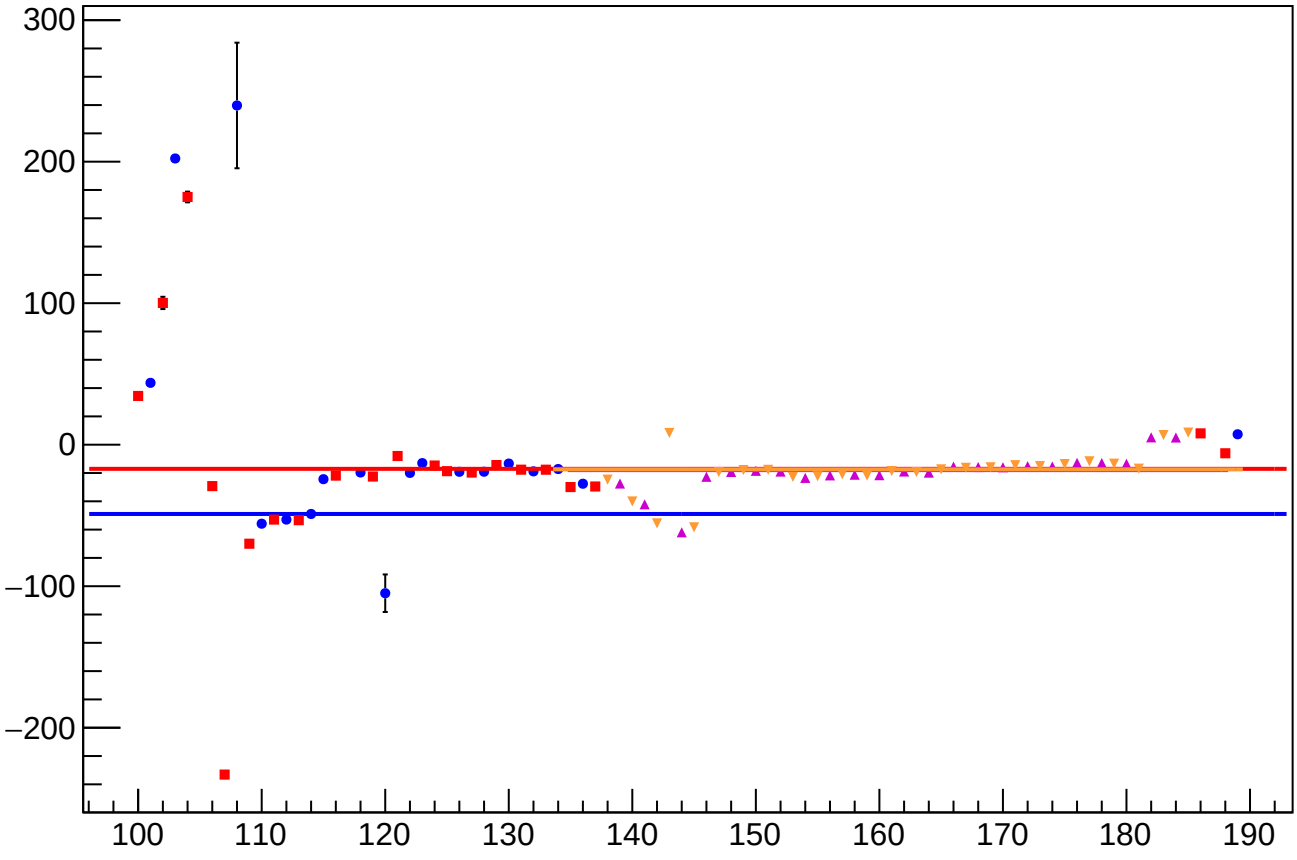
Left In: 160.049+/-0.230 $\chi^2$/NDF:83579.0/22

+ sign 339.325+/-0.000 $\chi^2$/NDF: 2296904.3/42

All: 339.325+/-0.000 $\chi^2$/NDF: 4698642.3/86

- sign 106.945+/-0.169 $\chi^2$/NDF: 503859.5/43

# dit_atl1_11X12X_slope vs Slug




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

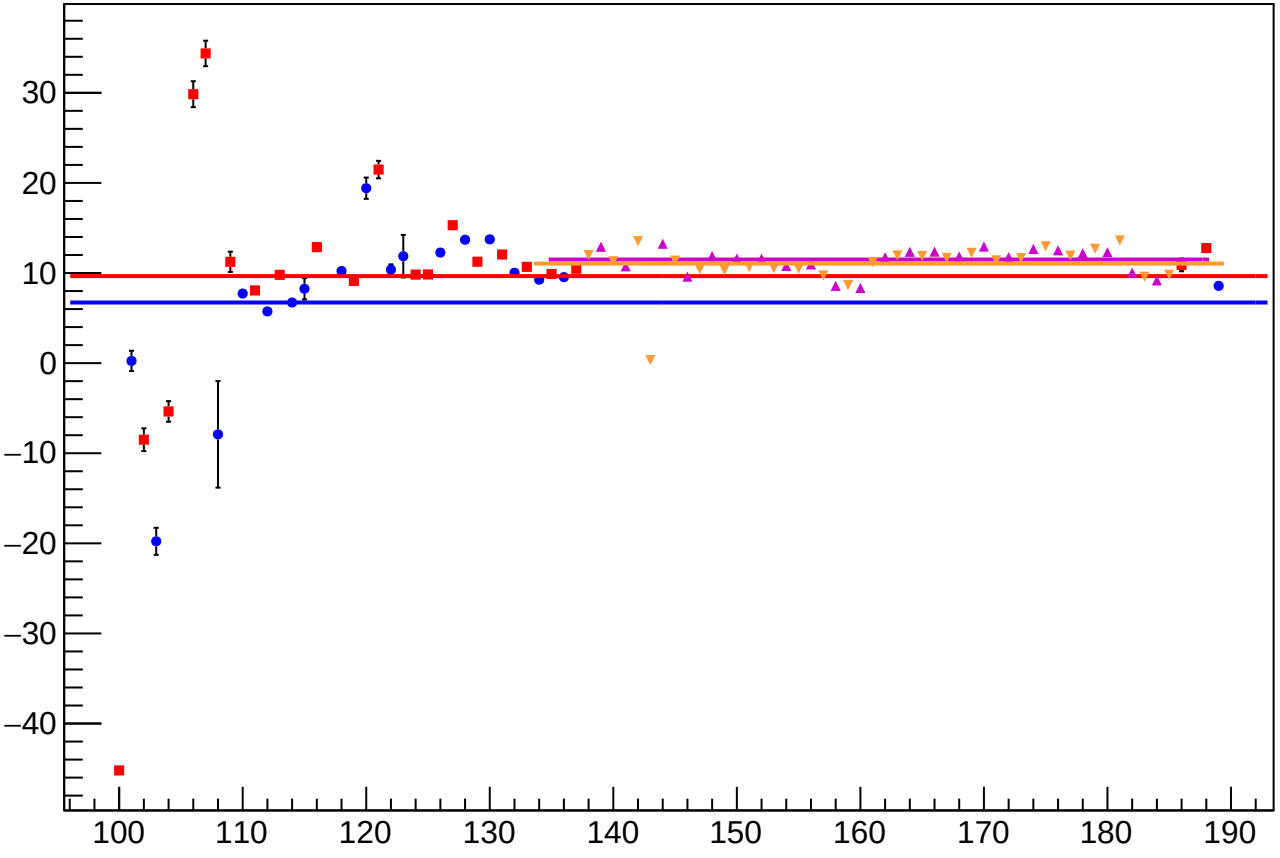
Left In: -17.951+/-0.012 $\chi^2$/NDF:252123.1/22

+ sign -48.945+/-0.000 $\chi^2$/NDF: 16867321.0/42

All: -48.945+/-0.000 $\chi^2$/NDF: 24357301.9/86

- sign -17.883+/-0.012 $\chi^2$/NDF: 551407.1/43

# dit_atl1_4aY_slope vs Slug




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

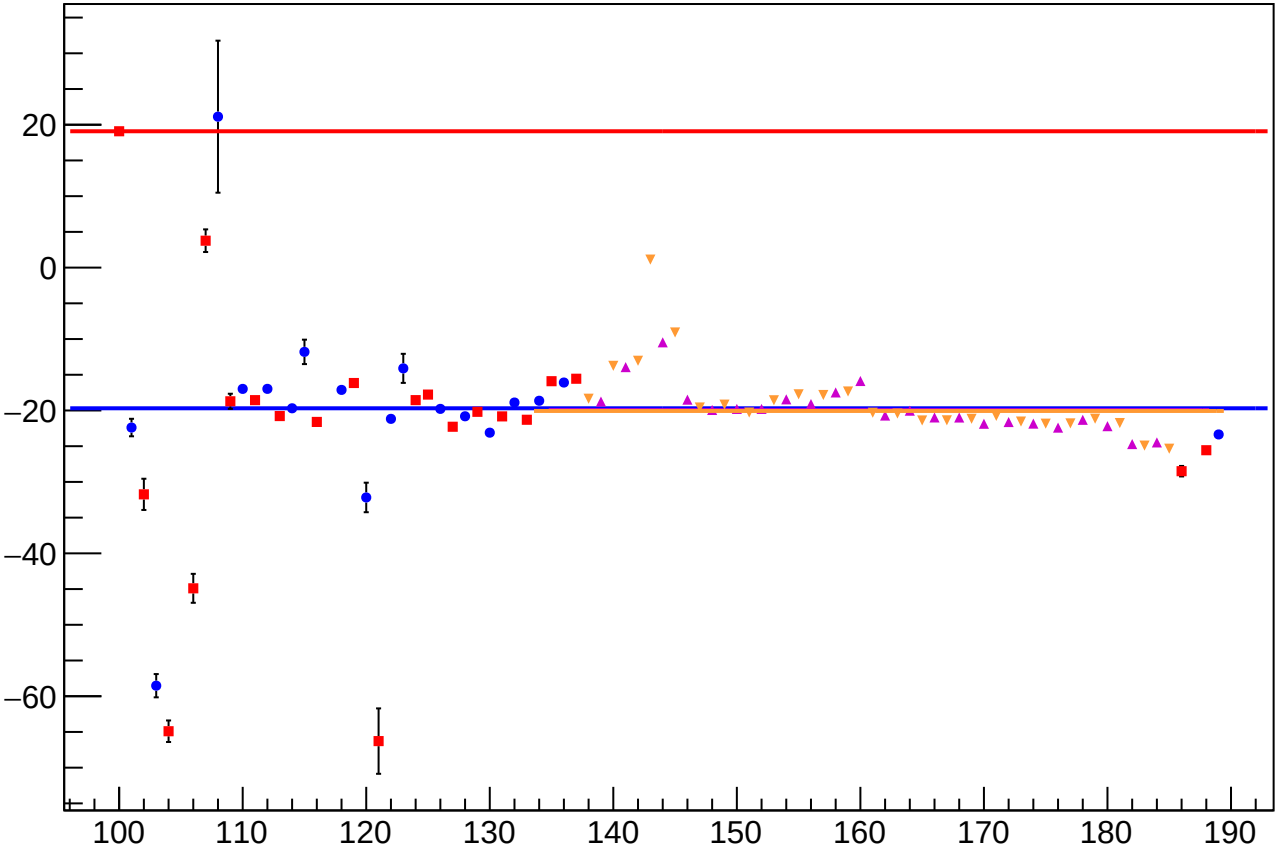
Left In: 11.498+/-0.010 $\chi^2$/NDF:15848.8/22

+ sign 6.728+/-0.000 $\chi^2$/NDF: 169843.7/42

All: 6.728+/-0.000 $\chi^2$/NDF: 429232.2/86

- sign 11.346+/-0.010 $\chi^2$/NDF: 45643.3/43

# dit_atl1_4eY_slope vs Slug




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

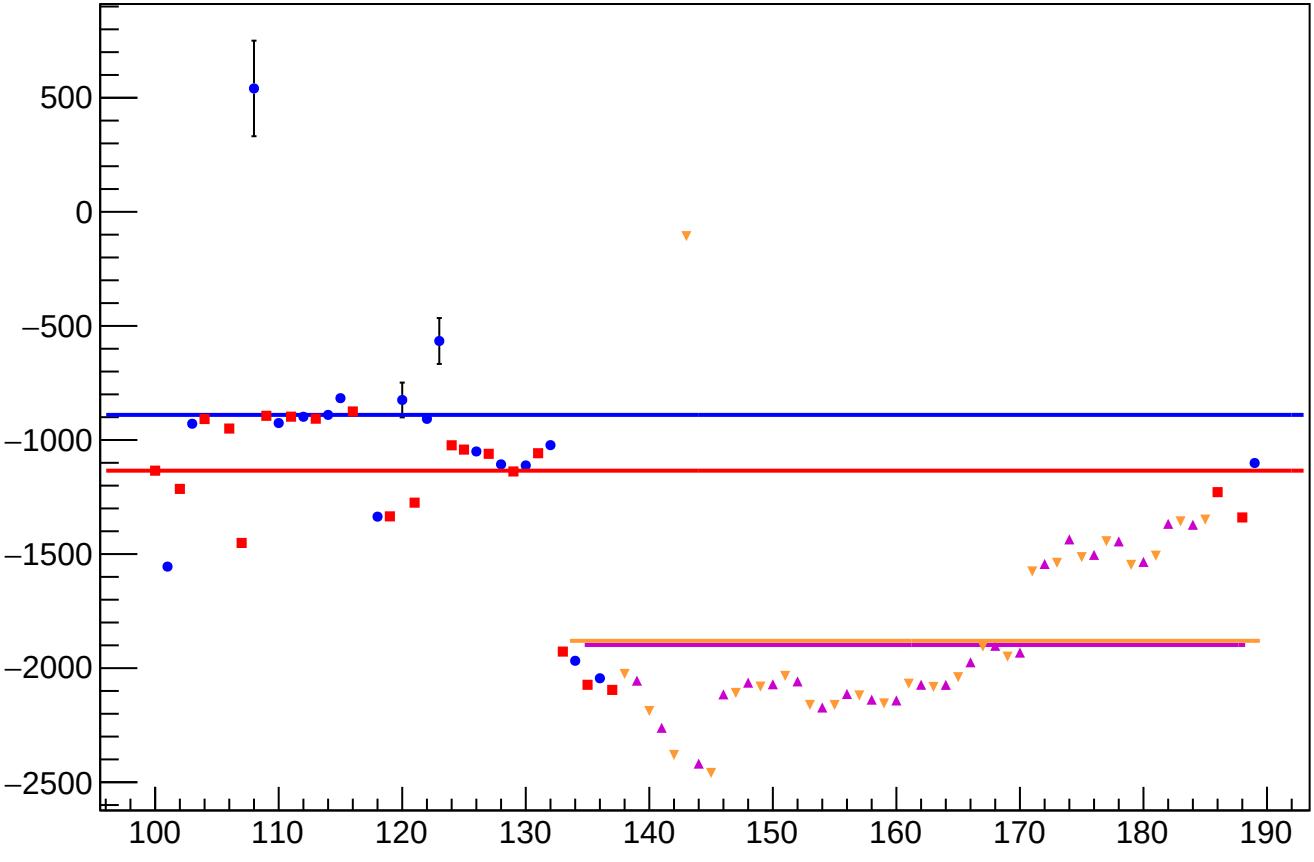
Left In: -19.955+/-0.015 $\chi^2$/NDF:22657.6/22

+ sign -19.693+/-0.000 $\chi^2$/NDF: 79805.6/42

All: -6.006+/-0.000 $\chi^2$/NDF: 462563773129

- sign 19.086+/-0.000 $\chi^2$/NDF: 7358114.8/43

# dit_atl2_4aX_slope vs Slug




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

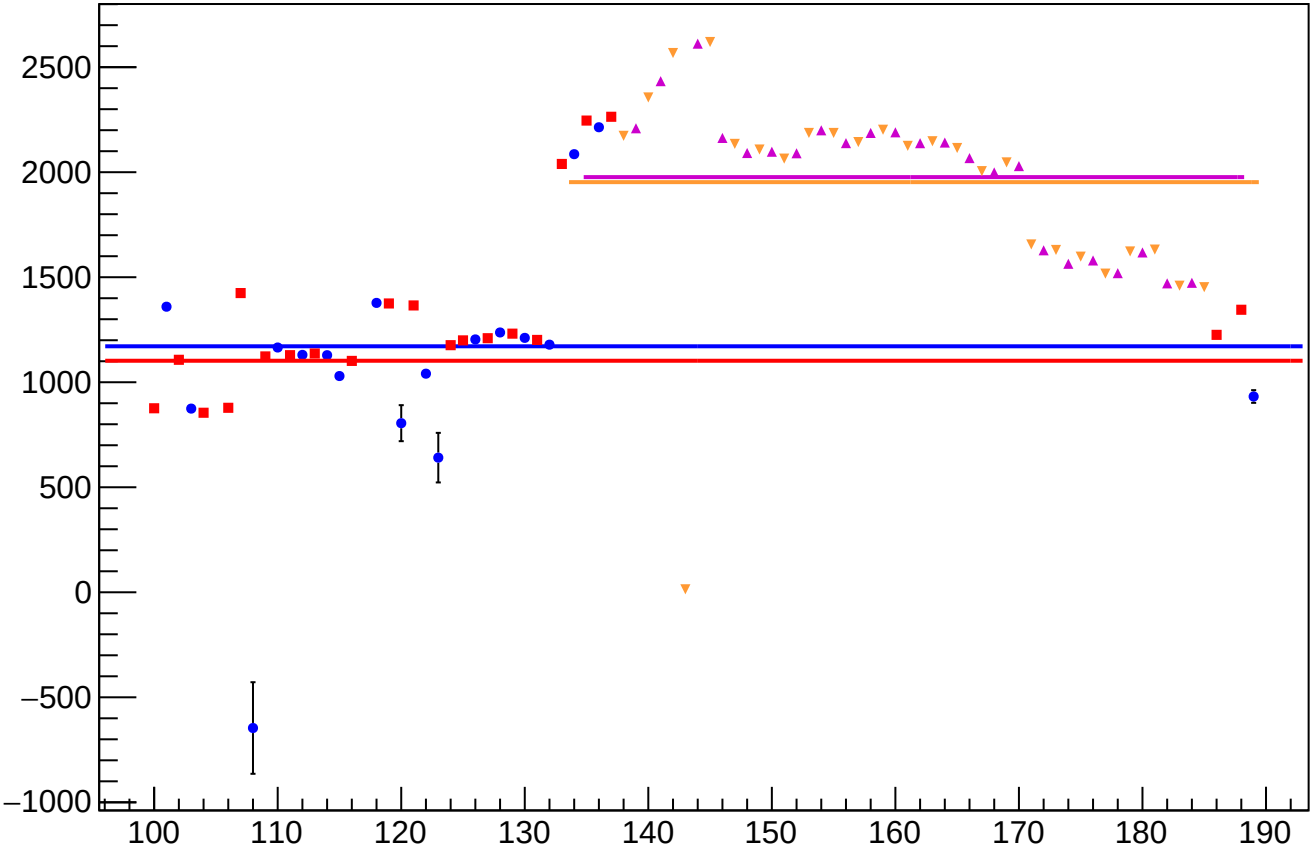
Left In: -1898.497+/-0.364 $\chi^2$/NDF:698003.8/22

+ sign -889.928+/-0.000 $\chi^2$/NDF: 9521166.4/42

All: -976.220+/-0.000 $\chi^2$/NDF: 4488978738

- sign -1134.421+/-0.000 $\chi^2$/NDF: 5875432.8/43

# dit_atl2_4eX_slope vs Slug




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

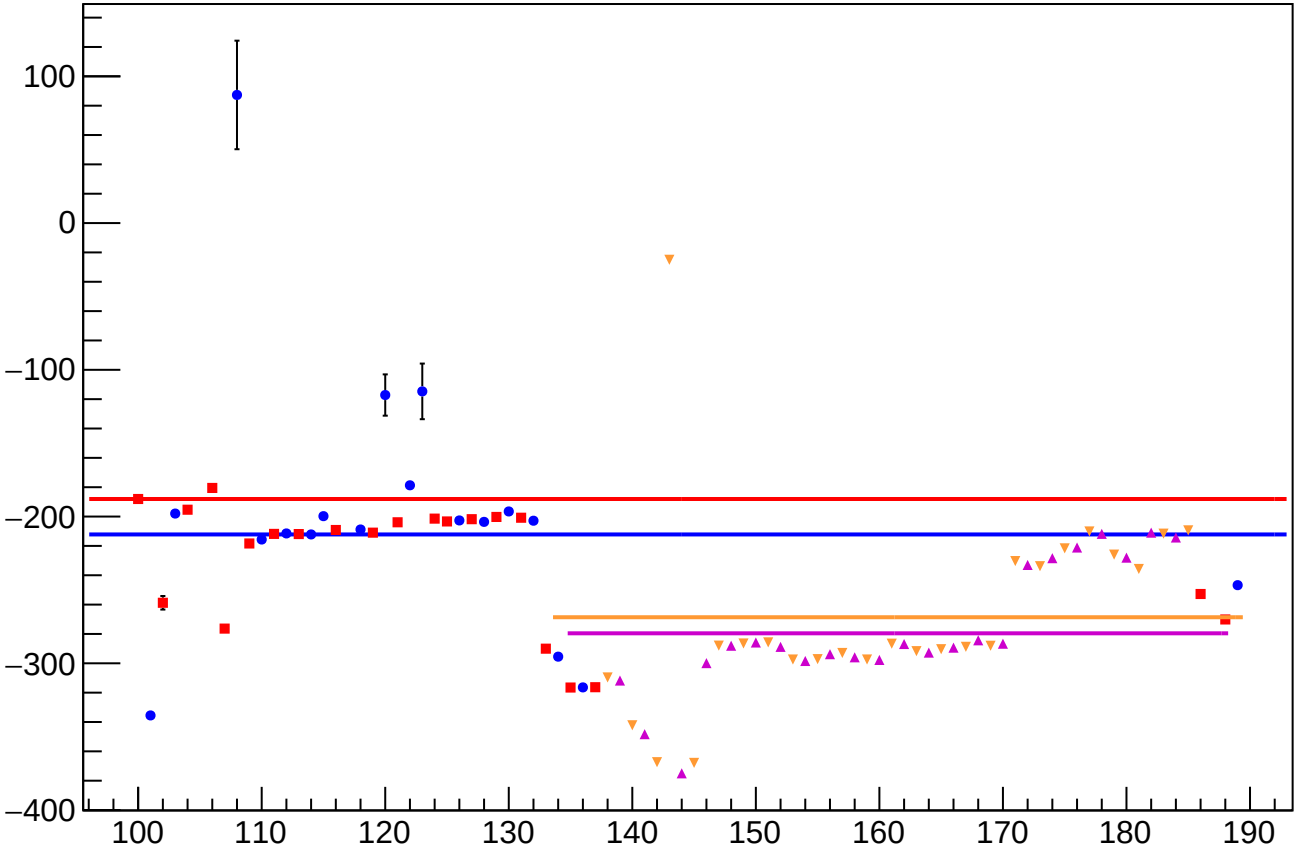
Left In: 1976.603+/-0.367 $\chi^2$/NDF:625684.0/22

+ sign 1424.793+/-0.202 $\chi^2$/NDF: 4621639.2/42

All: 1398.742+/-0.143 $\chi^2$/NDF: 10343187.0/8

- sign 1372.085+/-0.204 $\chi^2$/NDF: 5687783.8/43

# dit_atl2_11X12X_slope vs Slug




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

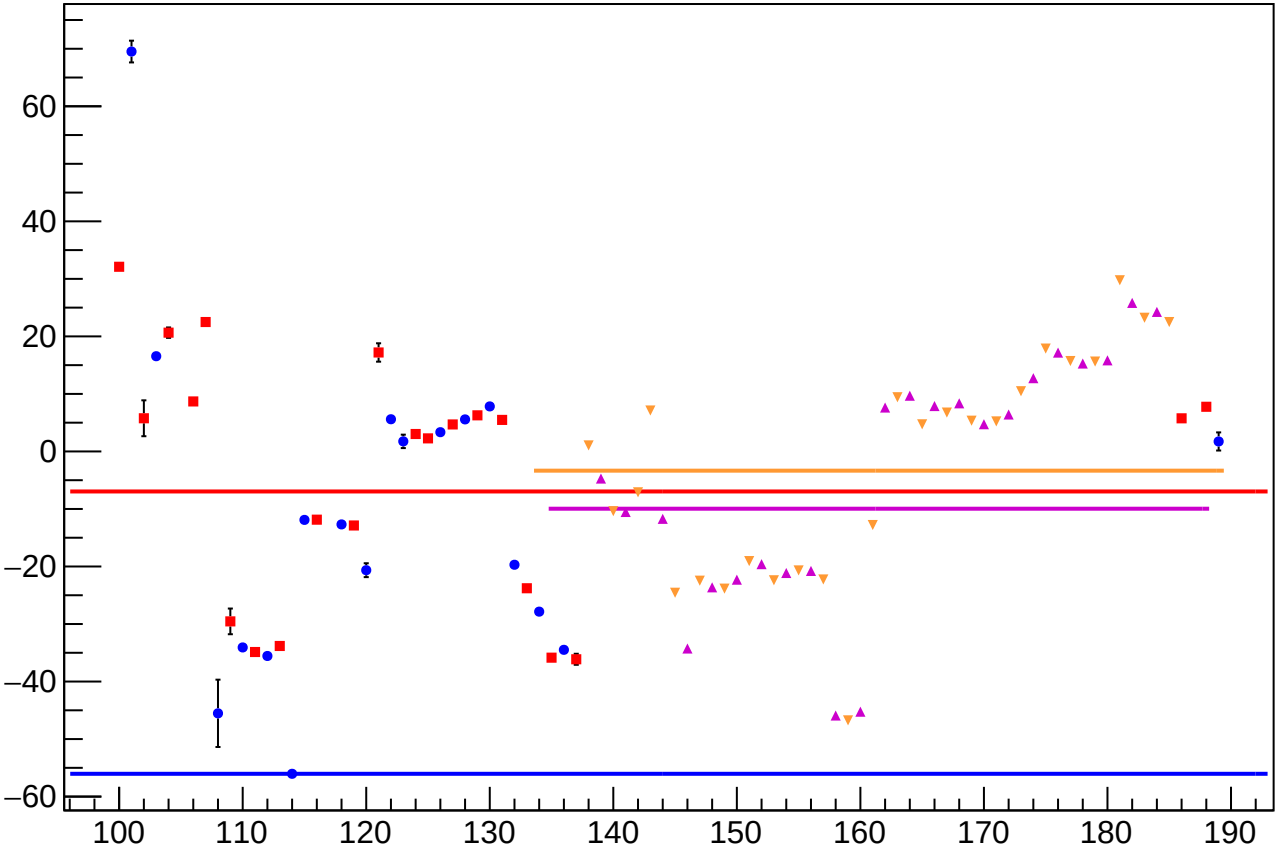
Left In: -279.563+/-0.022 $\chi^2$/NDF:2298119.7/22

+ sign -212.190+/-0.000 $\chi^2$/NDF: 14818945.0/42

All: -195.625+/-0.000 $\chi^2$/NDF: 1362230362

- sign -188.033+/-0.000 $\chi^2$/NDF: 21024530.1/43

# dit_atl2_4aY_slope vs Slug




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

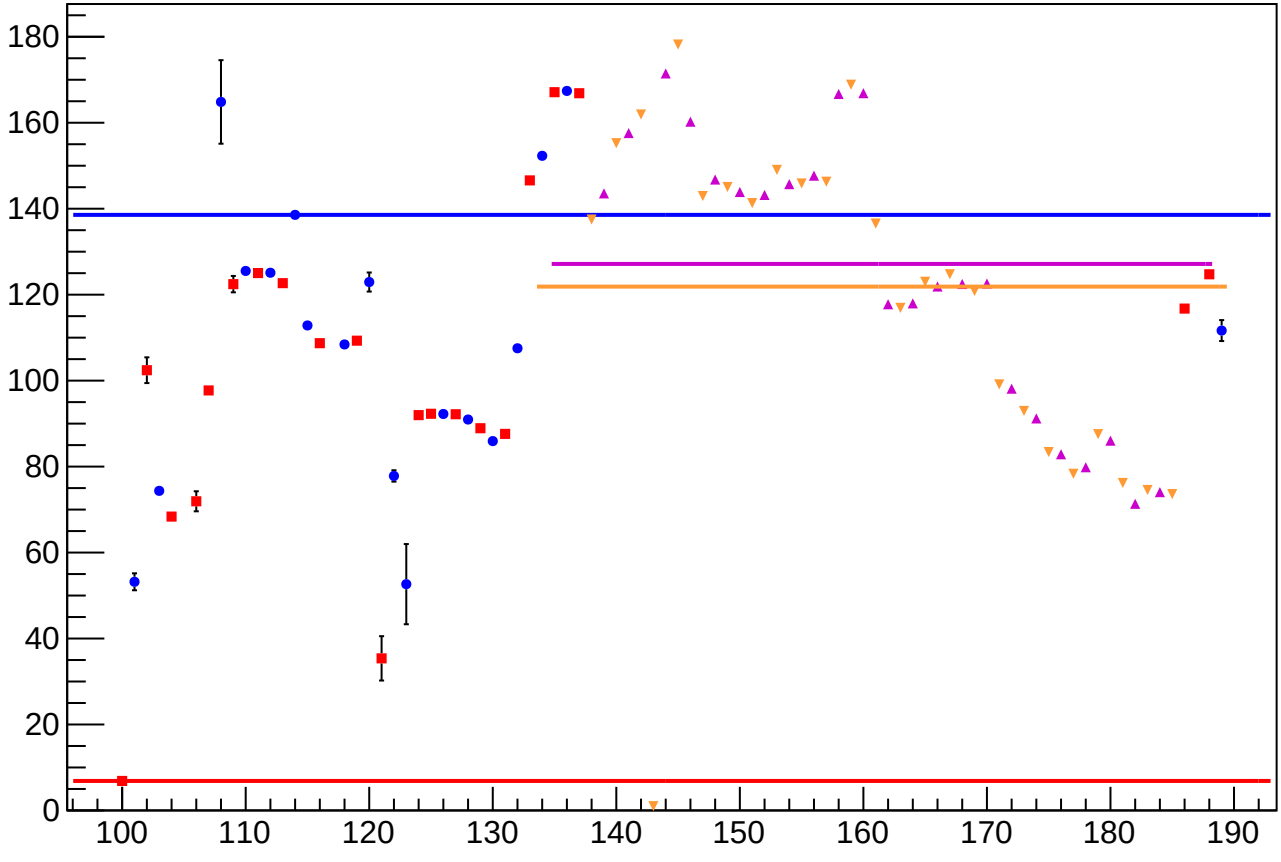
Left In: -9.956+/-0.018 $\chi^2$/NDF:1689839.0/22

+ sign -56.037+/-0.000 $\chi^2$/NDF: 11974330.5/42

All: -56.037+/-0.000 $\chi^2$/NDF: 21469034.6/86

- sign -9.459+/-0.017 $\chi^2$/NDF: 1872506.1/43

# dit_atl2_4eY_slope vs Slug




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

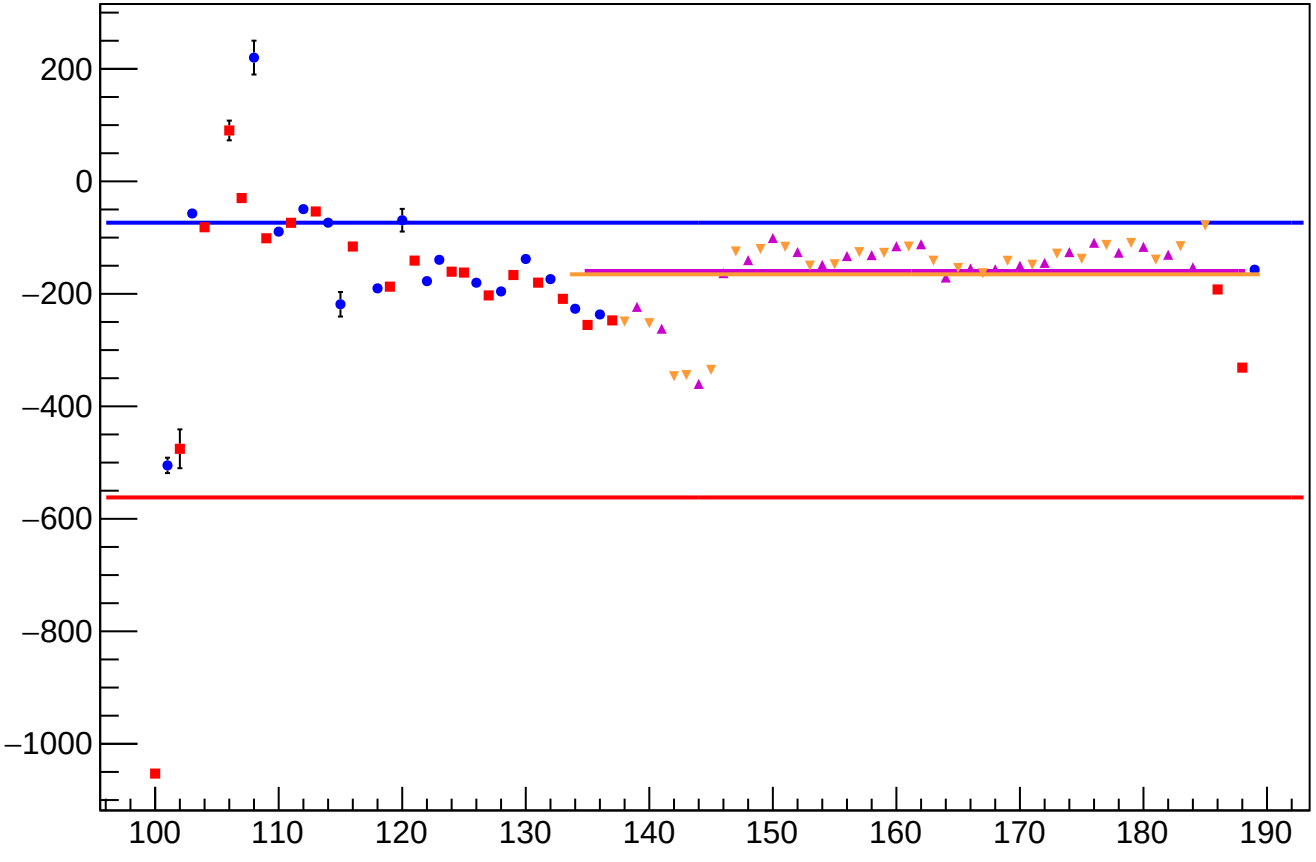
Left In: 127.150+/-0.026 $\chi^2$/NDF:1340248.6/22

+ sign 138.565+/-0.000 $\chi^2$/NDF: 2990402.9/42

All: 7.101+/-0.000 $\chi^2$/NDF: 2357682268192

- sign 6.866+/-0.000 $\chi^2$/NDF: 30772749.5/43

# dit_atr1_4aX_slope vs Slug




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

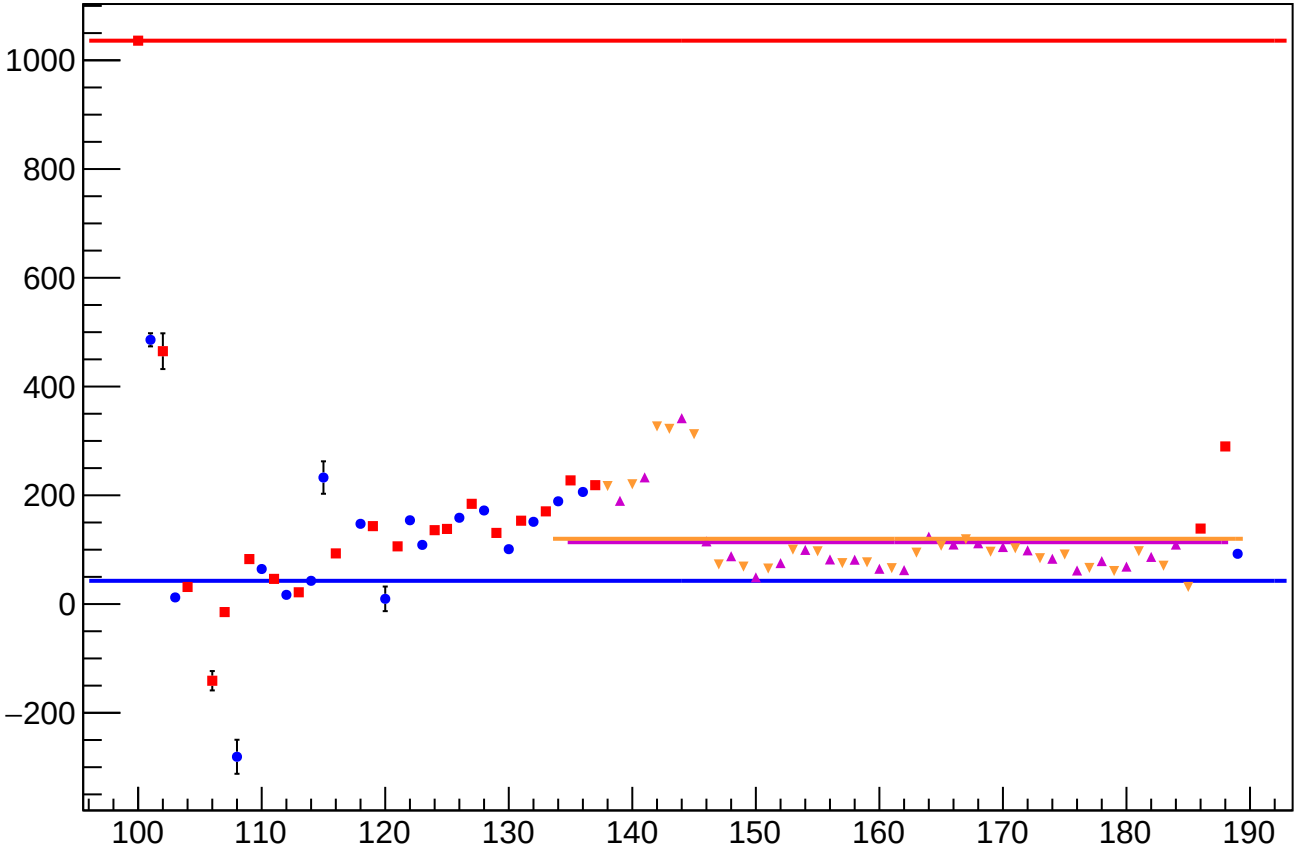
Left In: -159.346+/-0.239 $\chi^2$/NDF:73885.5/22

+ sign -73.485+/-0.000 $\chi^2$/NDF: 340367.2/42

All: -73.485+/-0.000 $\chi^2$/NDF: 7370409.6/86

- sign -348.547+/-0.174 $\chi^2$/NDF: 4534209.5/43

# dit_atr1_4eX_slope vs Slug




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

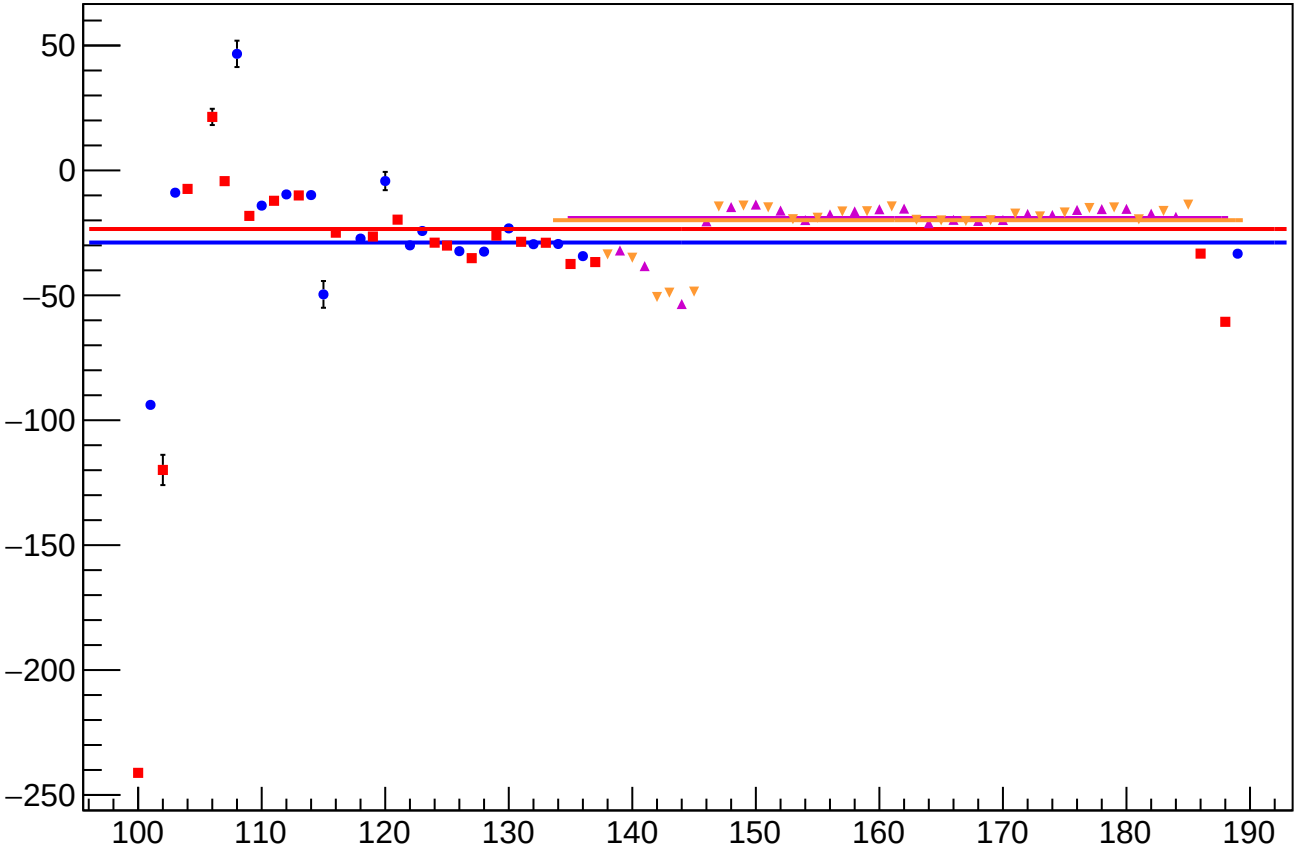
Left In: 113.733+/-0.246 $\chi^2$/NDF:81886.4/22

+ sign 42.743+/-0.000 $\chi^2$/NDF: 289033.1/42

All: 43.272+/-0.000 $\chi^2$/NDF: 114451749726

- sign 1036.068+/-0.000 $\chi^2$/NDF: 19638818.5/43

# dit_atr1_11X12X_slope vs Slug




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

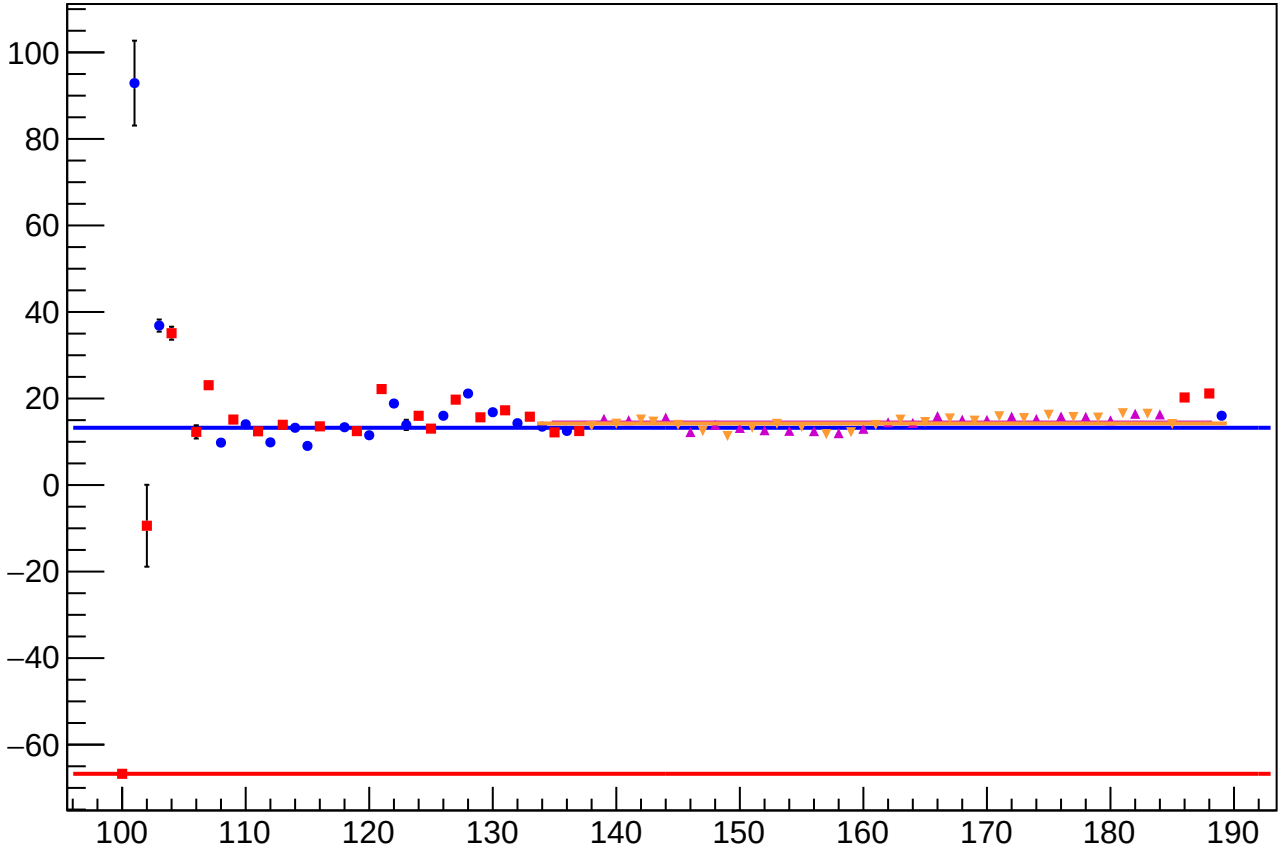
Left In: -19.047+/-0.014 $\chi^2$/NDF:214747.8/22

+ sign -20.924+/-0.012 $\chi^2$/NDF: 483942.1/42

All: -20.338+/-0.009 $\chi^2$/NDF: 1140004.1/86

- sign -19.589+/-0.013 $\chi^2$/NDF: 650200.0/43

# dit_atr1_4aY_slope vs Slug




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

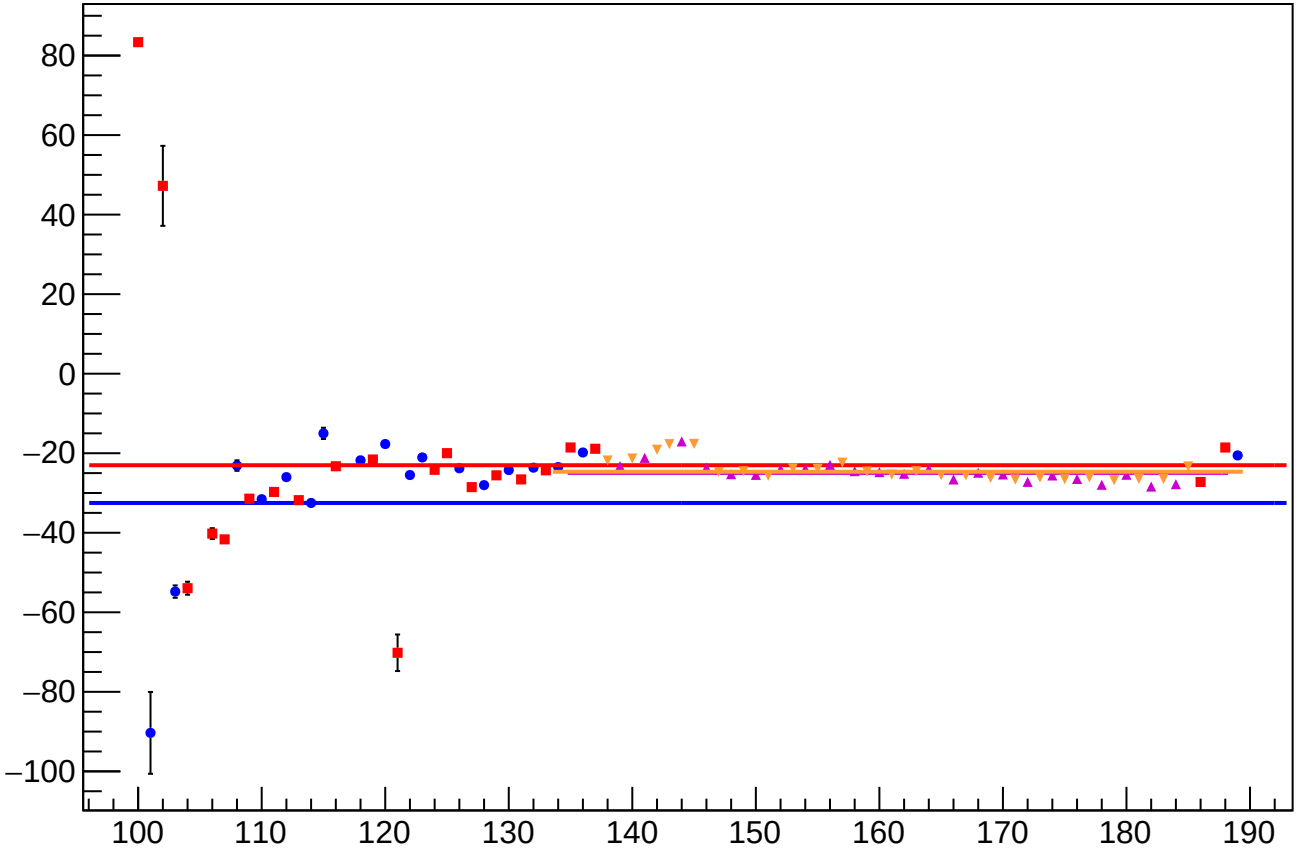
Left In: 14.441+/-0.012 $\chi^2$/NDF:12955.9/22

+ sign 13.238+/-0.000 $\chi^2$/NDF: 25231.1/42

All: 12.562+/-0.000 $\chi^2$/NDF: 188431002765

- sign -66.739+/-0.000 $\chi^2$/NDF: 51778879.3/43

# dit_atr1_4eY_slope vs Slug




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

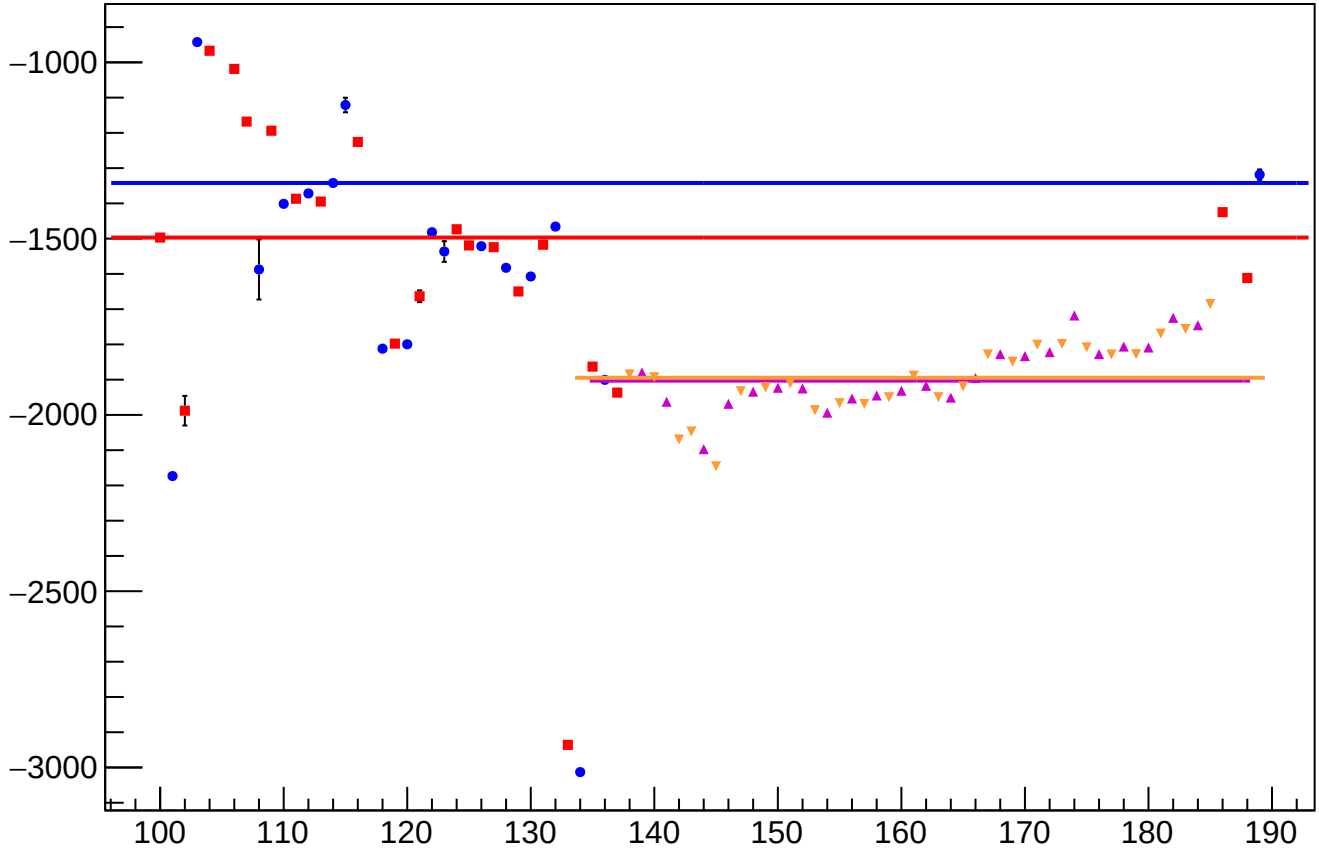
Left In: -24.948+/-0.015 $\chi^2$/NDF:14049.6/22

+ sign -32.504+/-0.000 $\chi^2$/NDF: 373575.4/42

All: -32.504+/-0.000 $\chi^2$/NDF: 767863.9/86

- sign -24.764+/-0.014 $\chi^2$/NDF: 106689.1/43

# dit_atr2_4aX_slope vs Slug




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

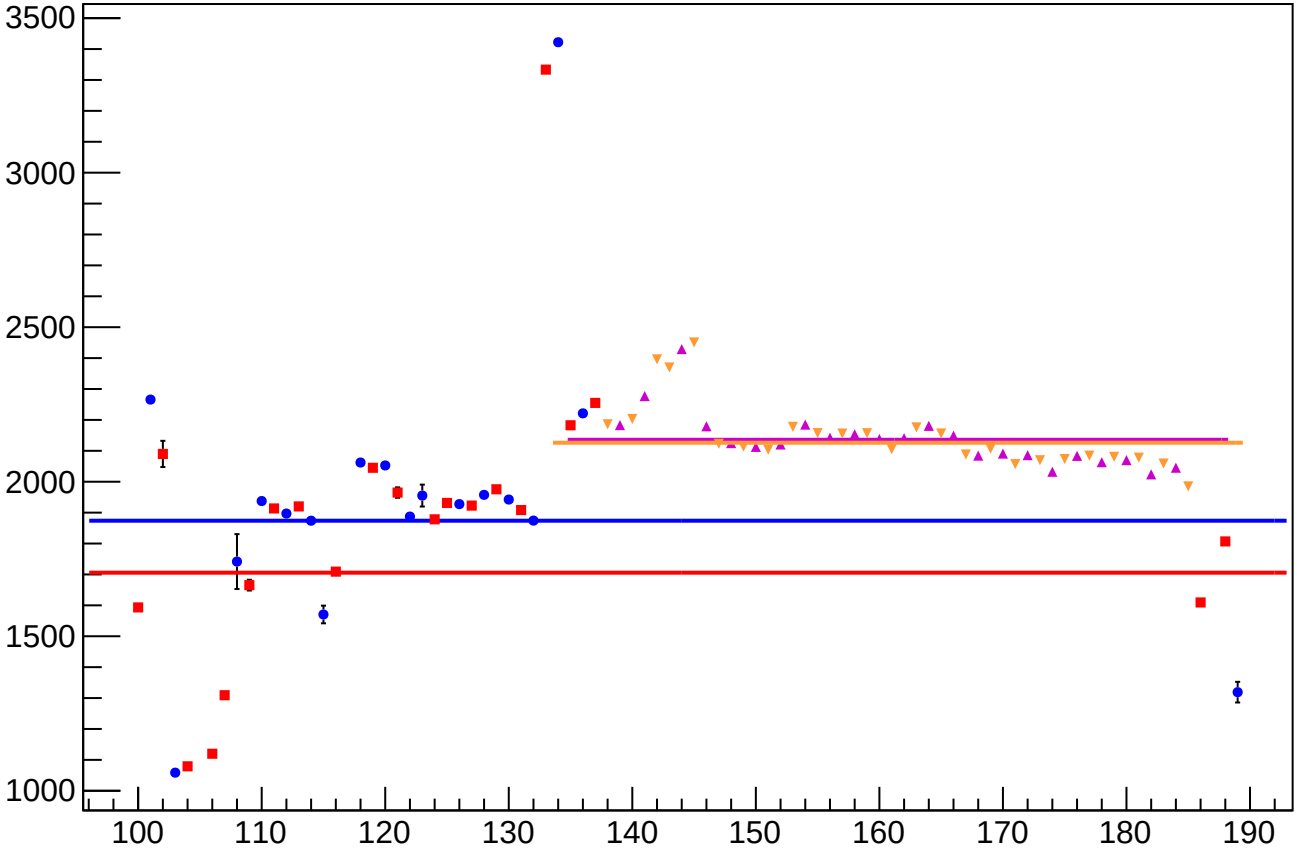
Left In: -1902.803+/-0.289 $\chi^2$/NDF:69208.9/22

+ sign -1342.107+/-0.000 $\chi^2$/NDF: 3461588.1/42

All: -1396.751+/-0.000 $\chi^2$/NDF: 1800086126

- sign -1496.932+/-0.000 $\chi^2$/NDF: 2554568.8/43

# dit_atr2_4eX_slope vs Slug




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

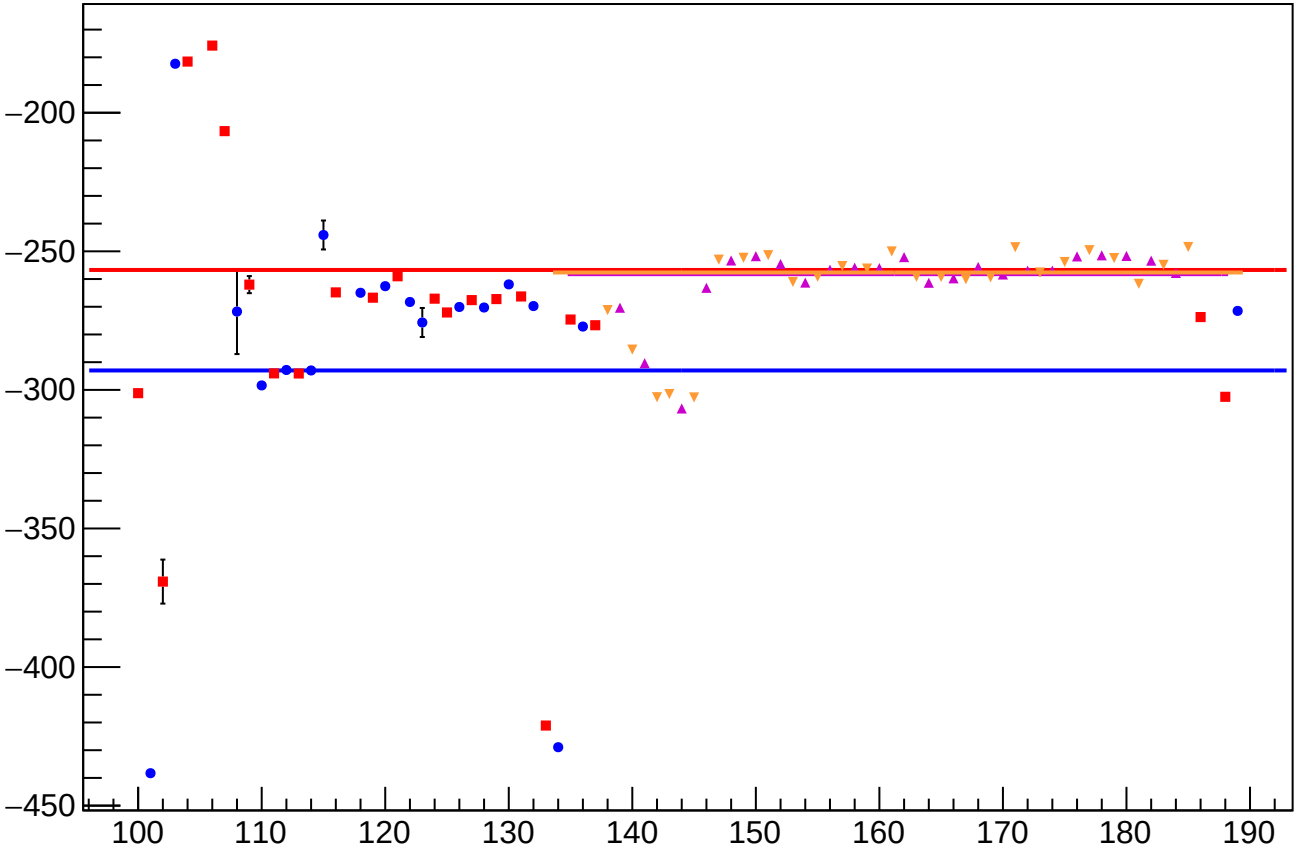
Left In: 2135.770+/-0.290 $\chi^2$/NDF:58031.3/22

+ sign 1873.852+/-0.000 $\chi^2$/NDF: 882451.2/42

All: 1873.852+/-0.000 $\chi^2$/NDF: 2929130.5/86

- sign 1924.271+/-0.206 $\chi^2$/NDF: 1987000.2/43

# dit_atr2_11X12X_slope vs Slug




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

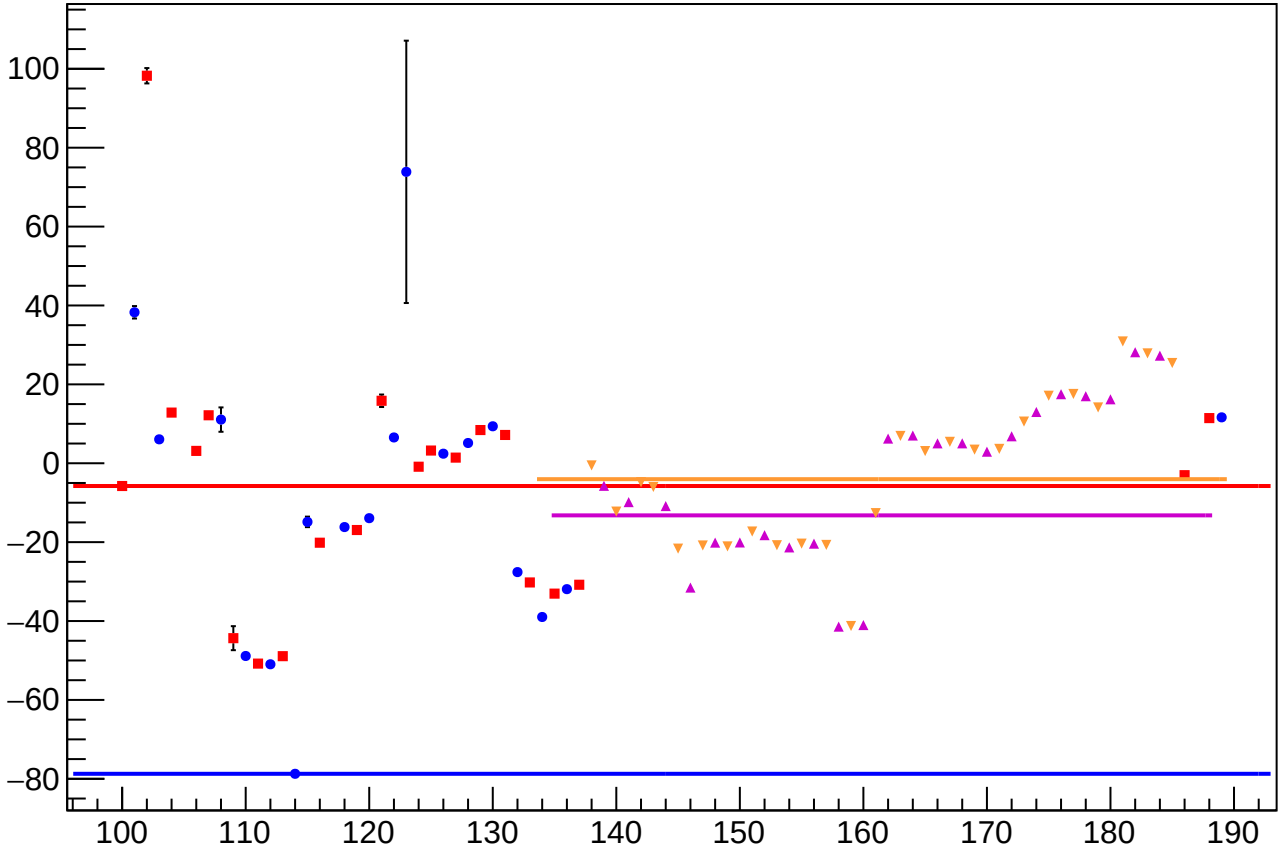
Left In: -258.240+/-0.017 $\chi^2$/NDF:268186.3/22

+ sign -292.986+/-0.000 $\chi^2$/NDF: 4436115.3/42

All: -292.986+/-0.000 $\chi^2$/NDF: 9595127.9/86

- sign -258.107+/-0.017 $\chi^2$/NDF: 798946.0/43

# dit_atr2_4aY_slope vs Slug




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

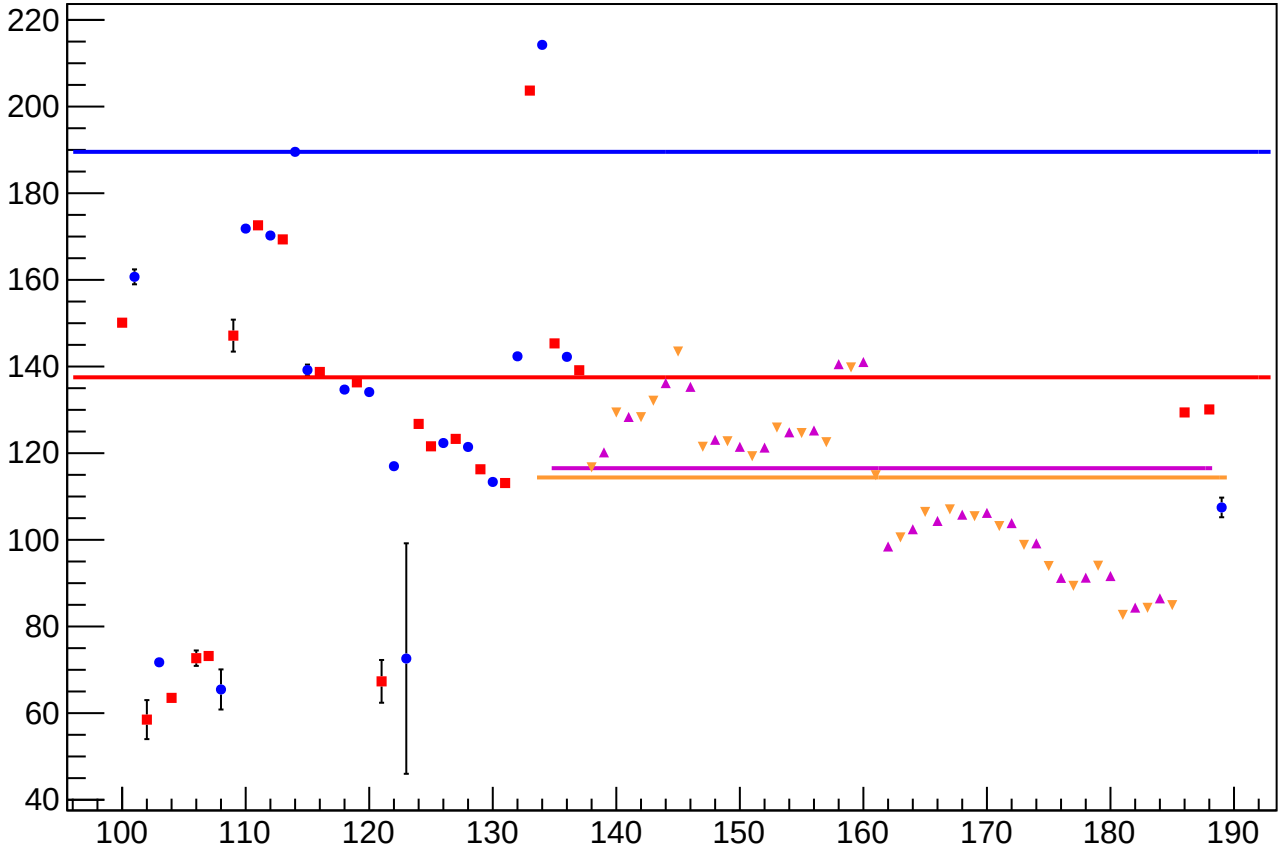
Left In: -13.213+/-0.017 $\chi^2$/NDF:1356033.4/22

+ sign -78.728+/-0.000 $\chi^2$/NDF: 21916484.1/42

All: -6.288+/-0.000 $\chi^2$/NDF: 2878797679293

- sign -5.769+/-0.000 $\chi^2$/NDF: 1665090.2/43

# dit_atr2_4eY_slope vs Slug




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

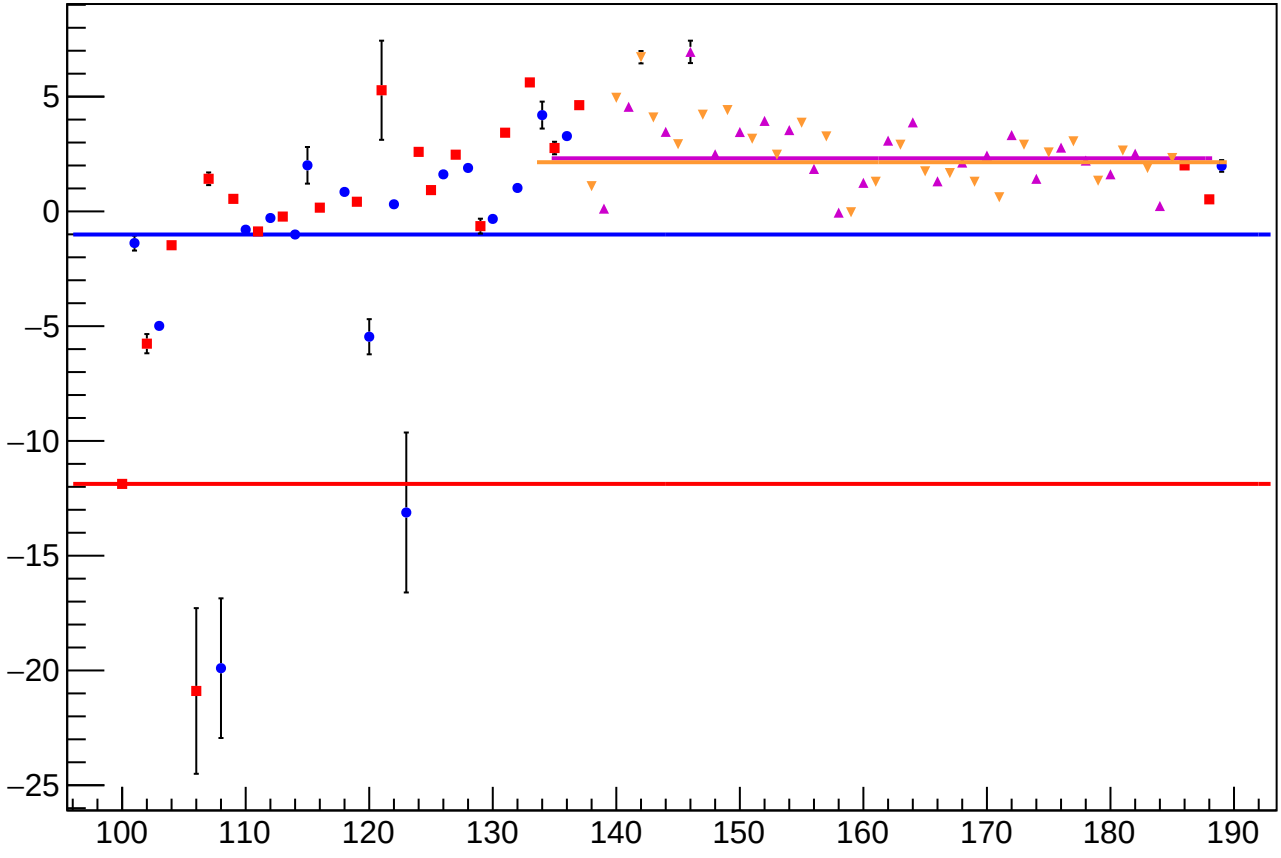
Left In: 116.538+/-0.024 $\chi^2$/NDF:458128.6/22

+ sign 189.551+/-0.000 $\chi^2$/NDF: 12449830.2/42

All: 189.551+/-0.000 $\chi^2$/NDF: 23415035.3/86

- sign 119.588+/-0.022 $\chi^2$/NDF: 691380.2/43

# dit_sam1_4aX_slope vs Slug




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

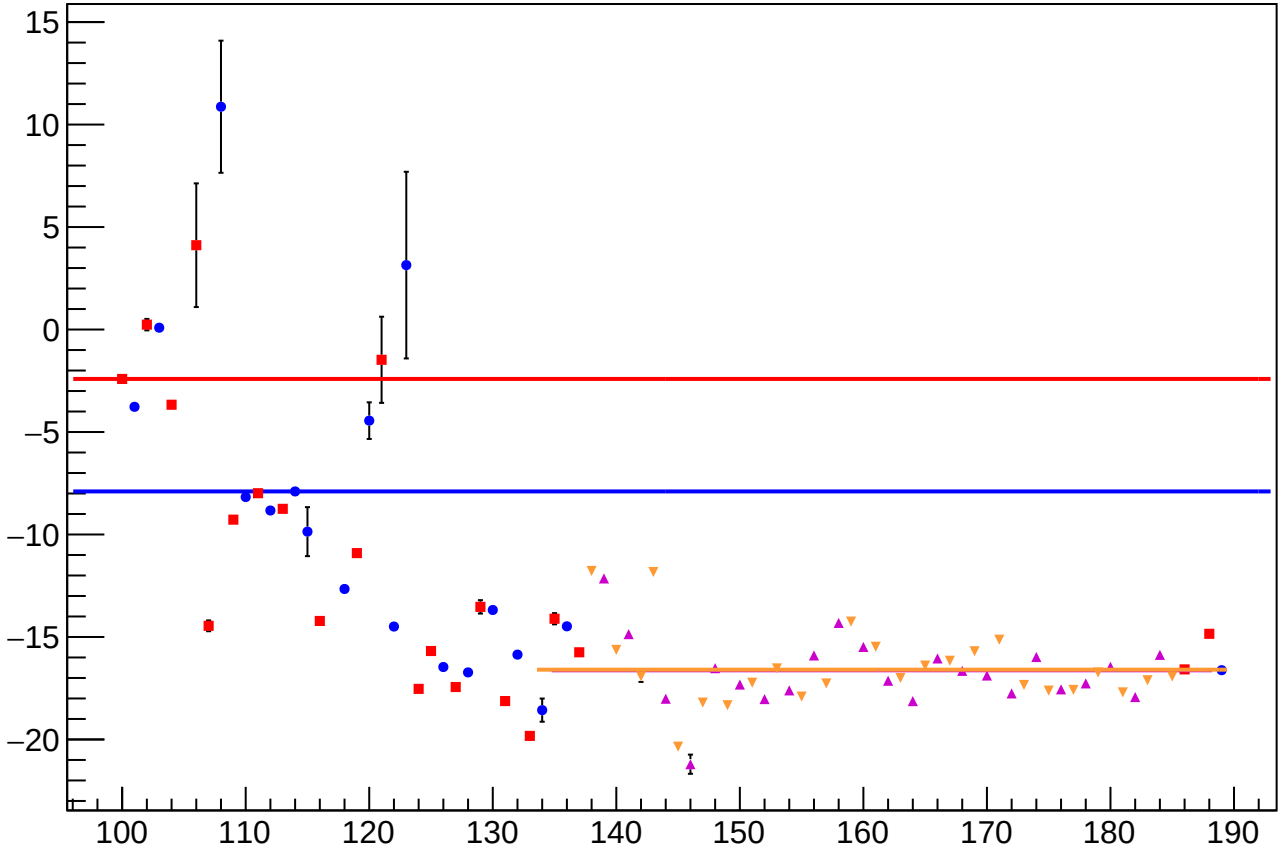
Left In: 2.313+/-0.014 $\chi^2$/NDF:7446.3/22

+ sign -1.007+/-0.000 $\chi^2$/NDF: 60001.7/42

All: -1.365+/-0.000 $\chi^2$/NDF: 2170760676638

- sign -11.872+/-0.000 $\chi^2$/NDF: 1611020.0/43

# dit_sam1_4eX_slope vs Slug




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

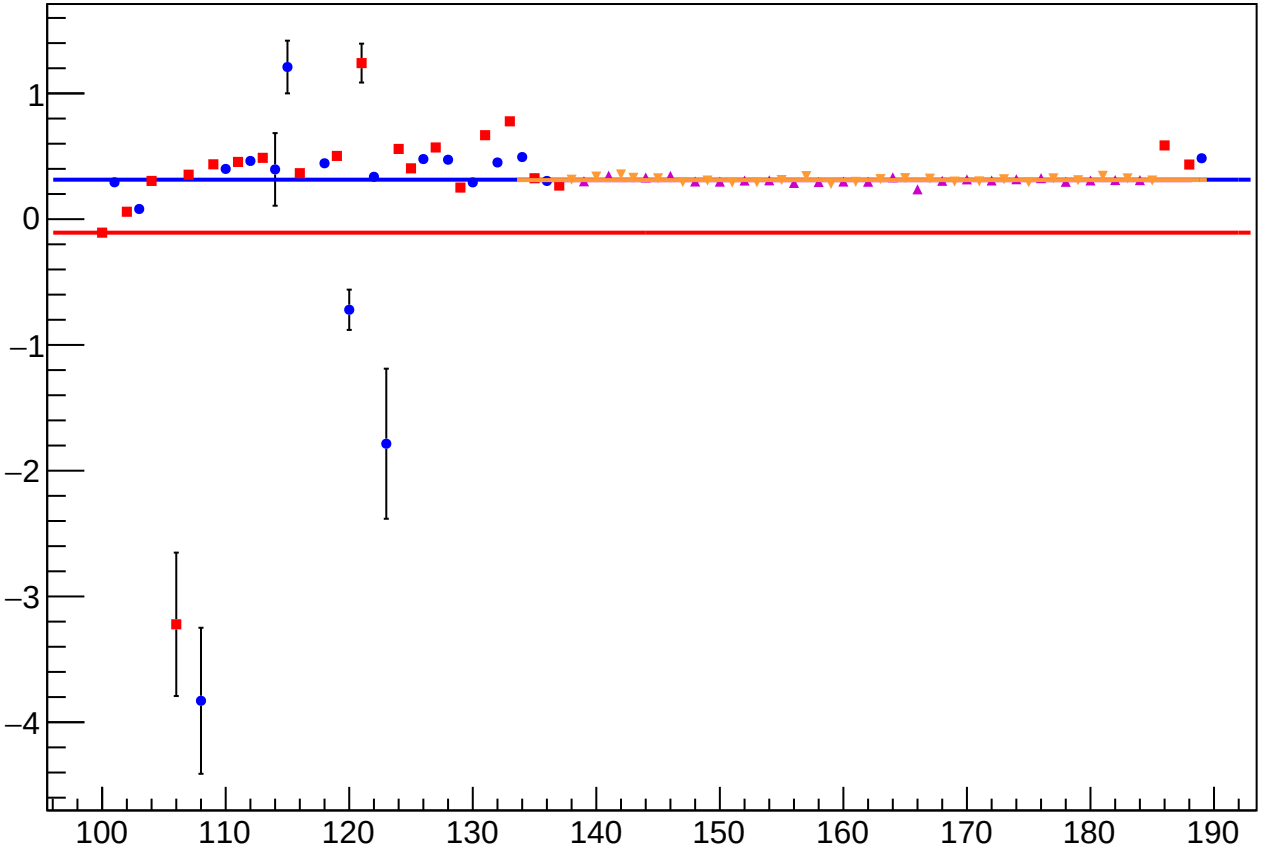
Left In: -16.625+/-0.015 $\chi^2$/NDF:6289.5/22

+ sign -7.899+/-0.000 $\chi^2$/NDF: 417195.4/42

All: -4.135+/-0.000 $\chi^2$/NDF: 2879850560728

- sign -2.410+/-0.000 $\chi^2$/NDF: 1246140.8/43

# dit_sam1_11X12X_slope vs Slug




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

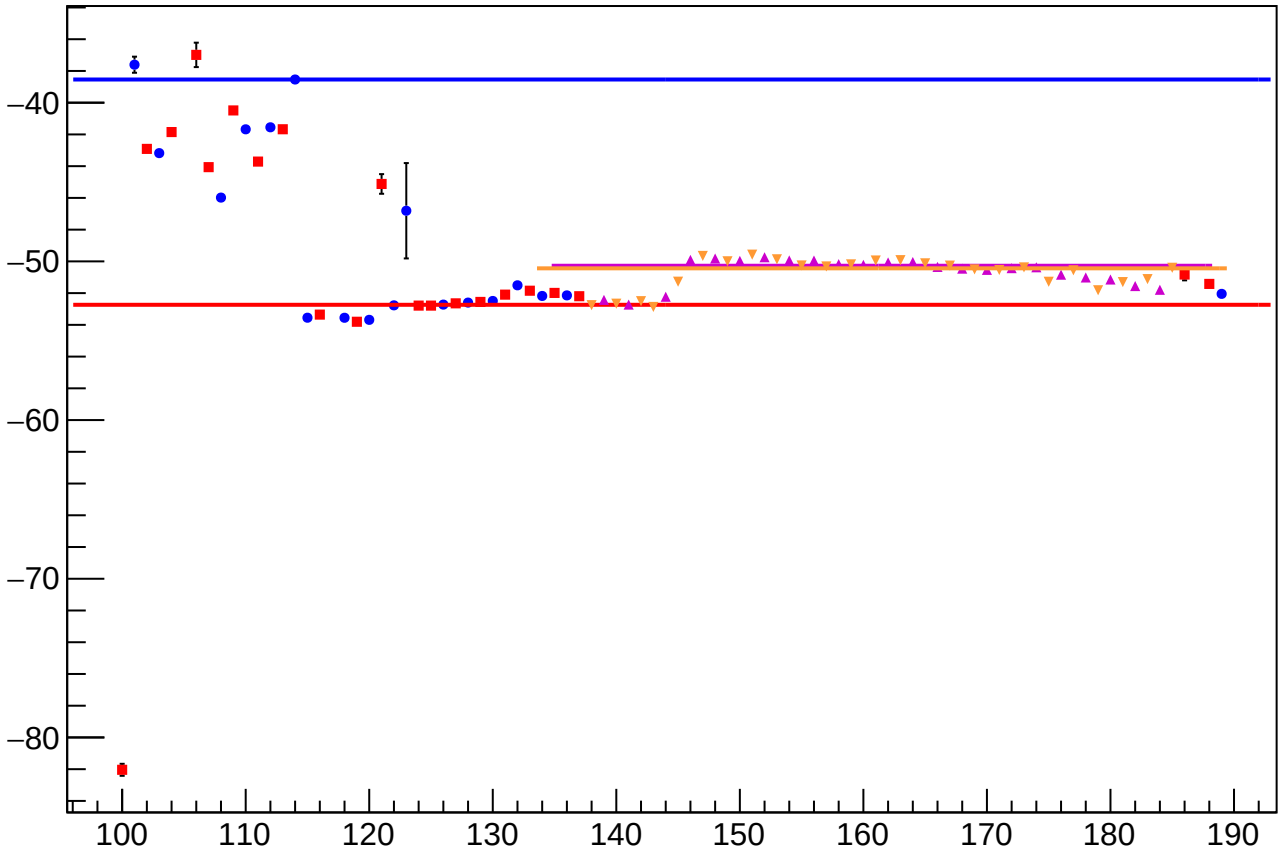
Left In: 0.310+/-0.000 $\chi^2$/NDF:3074.6/22

+ sign 0.311+/-0.000 $\chi^2$/NDF: 7779.6/42

All: -0.107+/-0.000 $\chi^2$/NDF: 7166425.5/86

- sign -0.107+/-0.000 $\chi^2$/NDF: 3534534.0/43

# dit_sam1_4aY_slope vs Slug




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

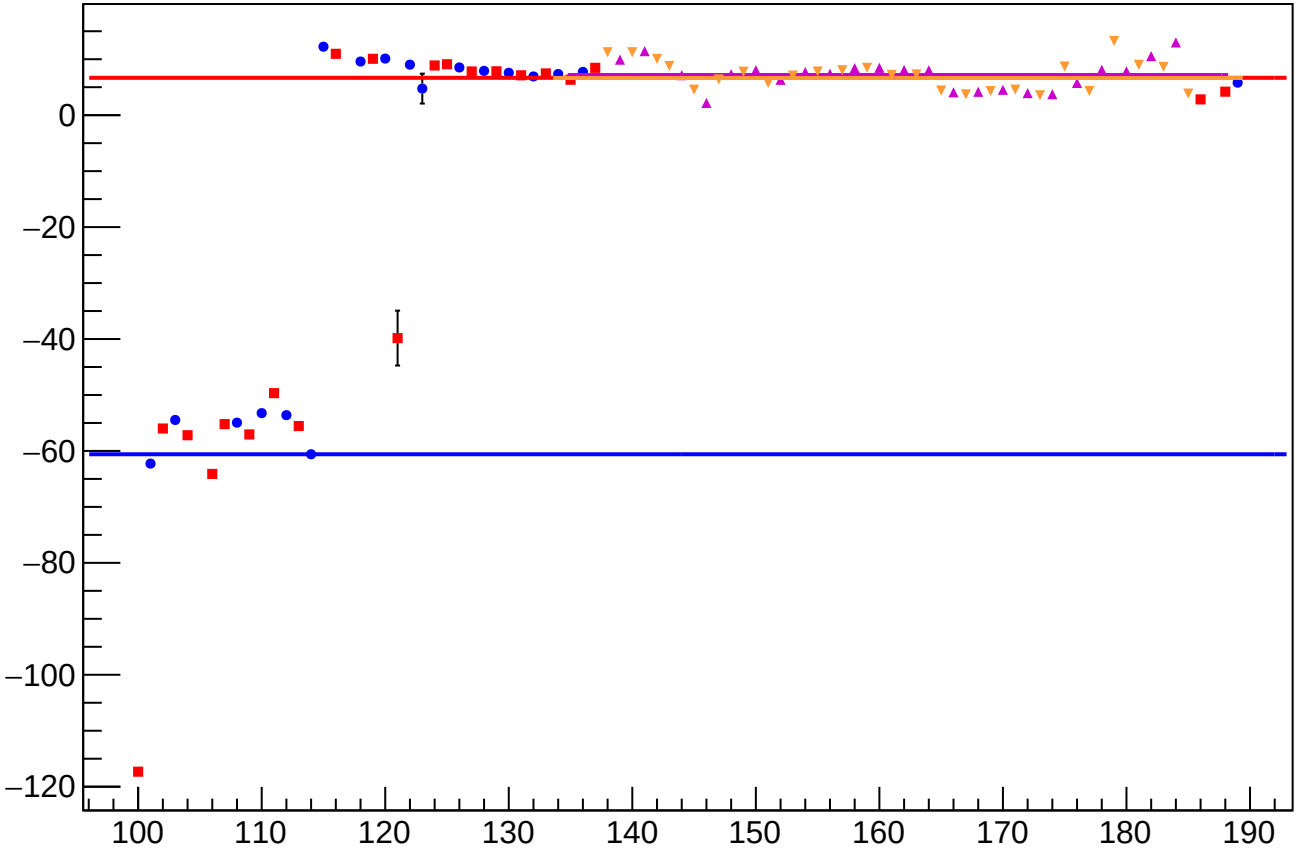
Left In: -50.276+/-0.001 $\chi^2$/NDF:190236.3/22

+ sign -38.539+/-0.000 $\chi^2$/NDF: 90833778.1/42

All: -38.539+/-0.000 $\chi^2$/NDF: 236180558.8/8

- sign -51.032+/-0.001 $\chi^2$/NDF: 1465670.7/43

# dit_sam1_4eY_slope vs Slug




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

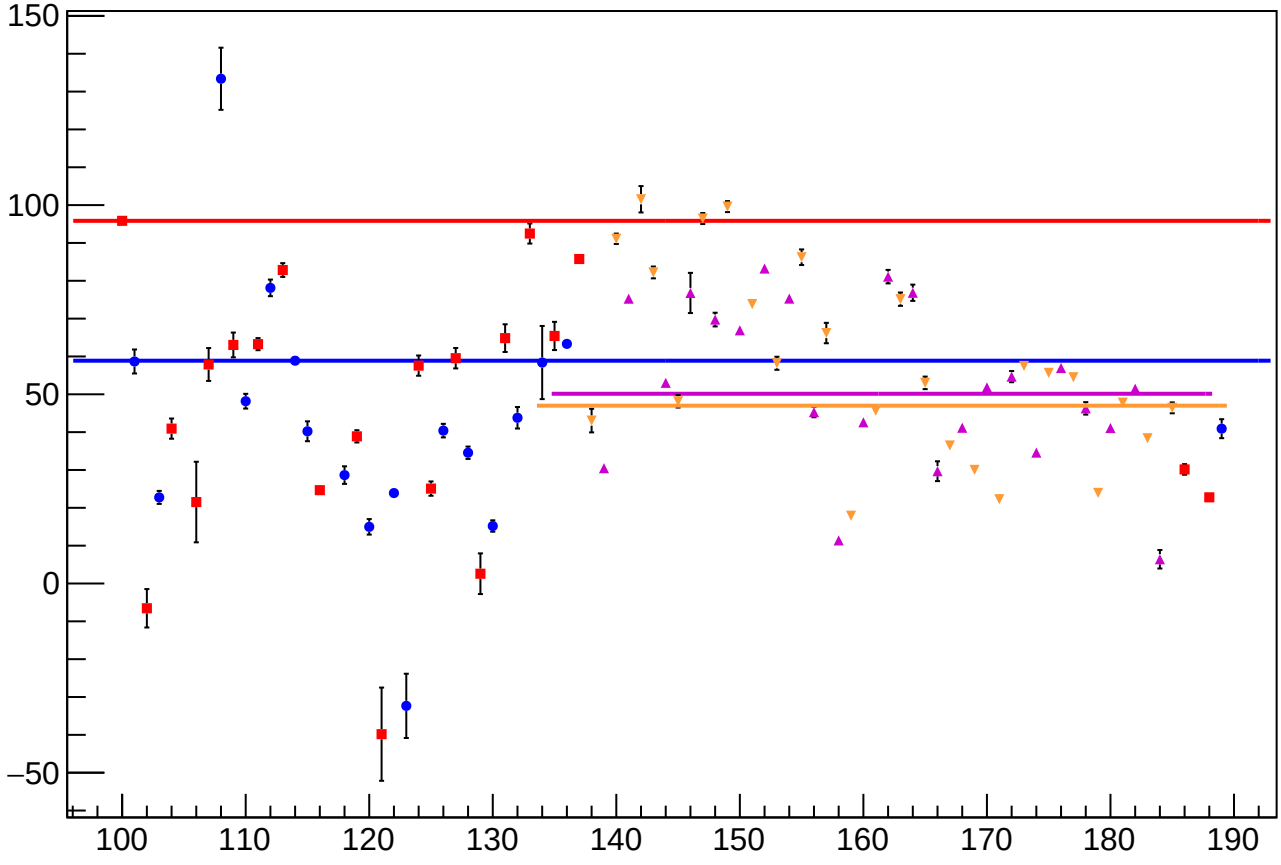
Left In: 7.179+/-0.003 $\chi^2$/NDF:214127.6/22

+ sign -60.594+/-0.000 $\chi^2$/NDF: 360647546.0/42

All: -60.594+/-0.000 $\chi^2$/NDF: 784350689.9/8

- sign 7.133+/-0.003 $\chi^2$/NDF: 1484187.0/43

# dit_sam2_4aX_slope vs Slug




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

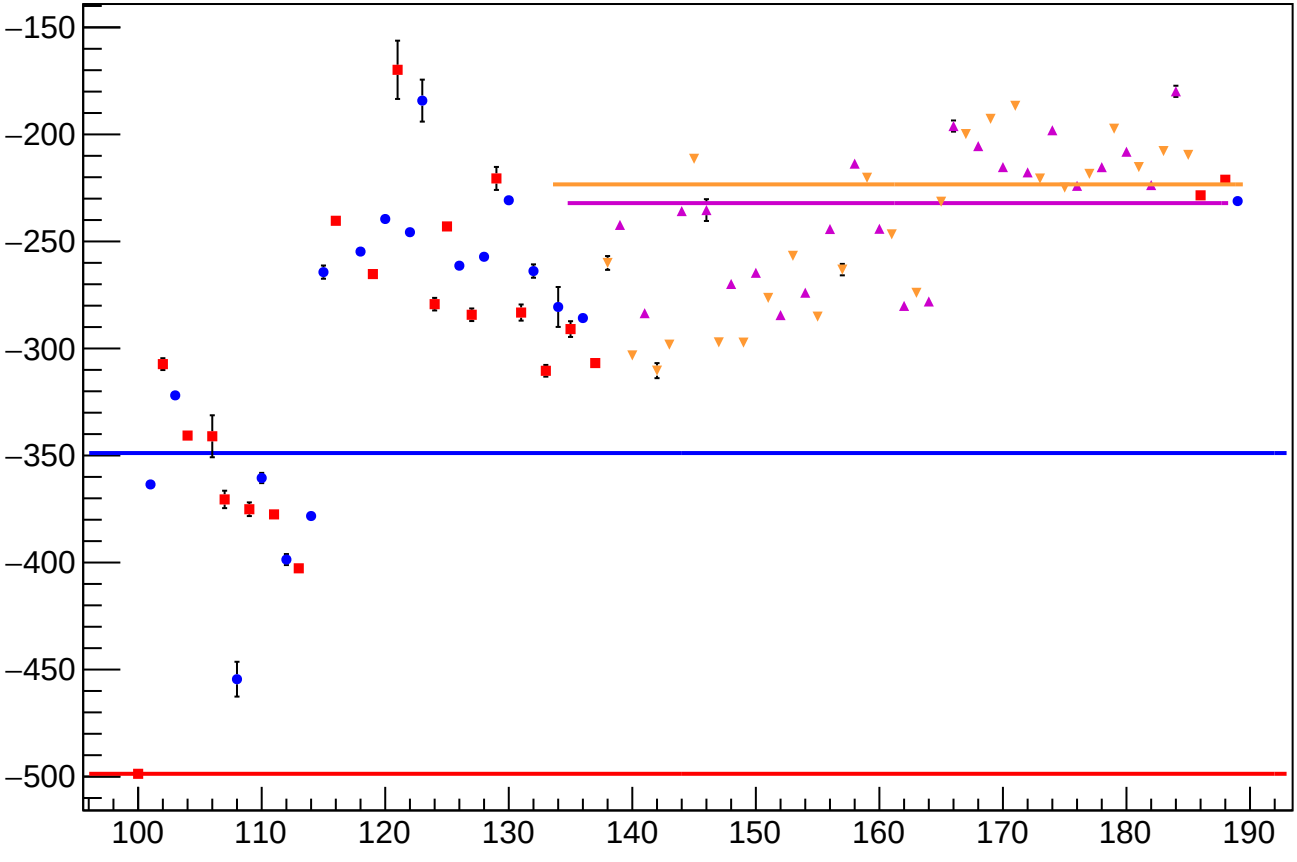
Left In: 50.144+/-0.212 $\chi^2$/NDF:6667.7/22

+ sign 58.880+/-0.000 $\chi^2$/NDF: 16126.4/42

All: 60.098+/-0.000 $\chi^2$/NDF: 981523394566

- sign 95.846+/-0.000 $\chi^2$/NDF: 113600.4/43

# dit_sam2_4eX_slope vs Slug




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

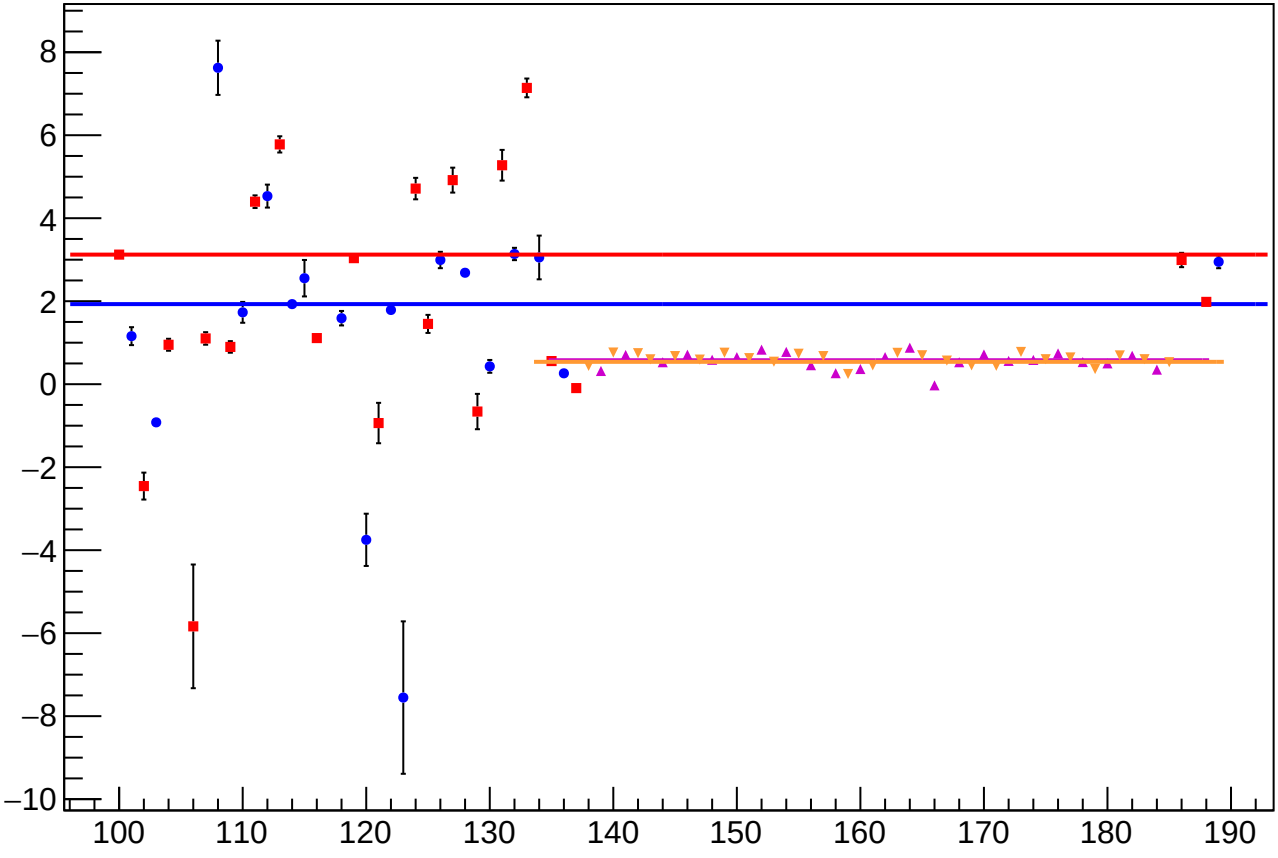
Left In: -232.094+/-0.217 $\chi^2$/NDF:17468.1/22

+ sign -278.703+/-0.161 $\chi^2$/NDF: 217276.4/42

All: -498.692+/-0.000 $\chi^2$/NDF: 4441533.3/86

- sign -498.692+/-0.000 $\chi^2$/NDF: 2358546.2/43

# dit_sam2_11X12X_slope vs Slug




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

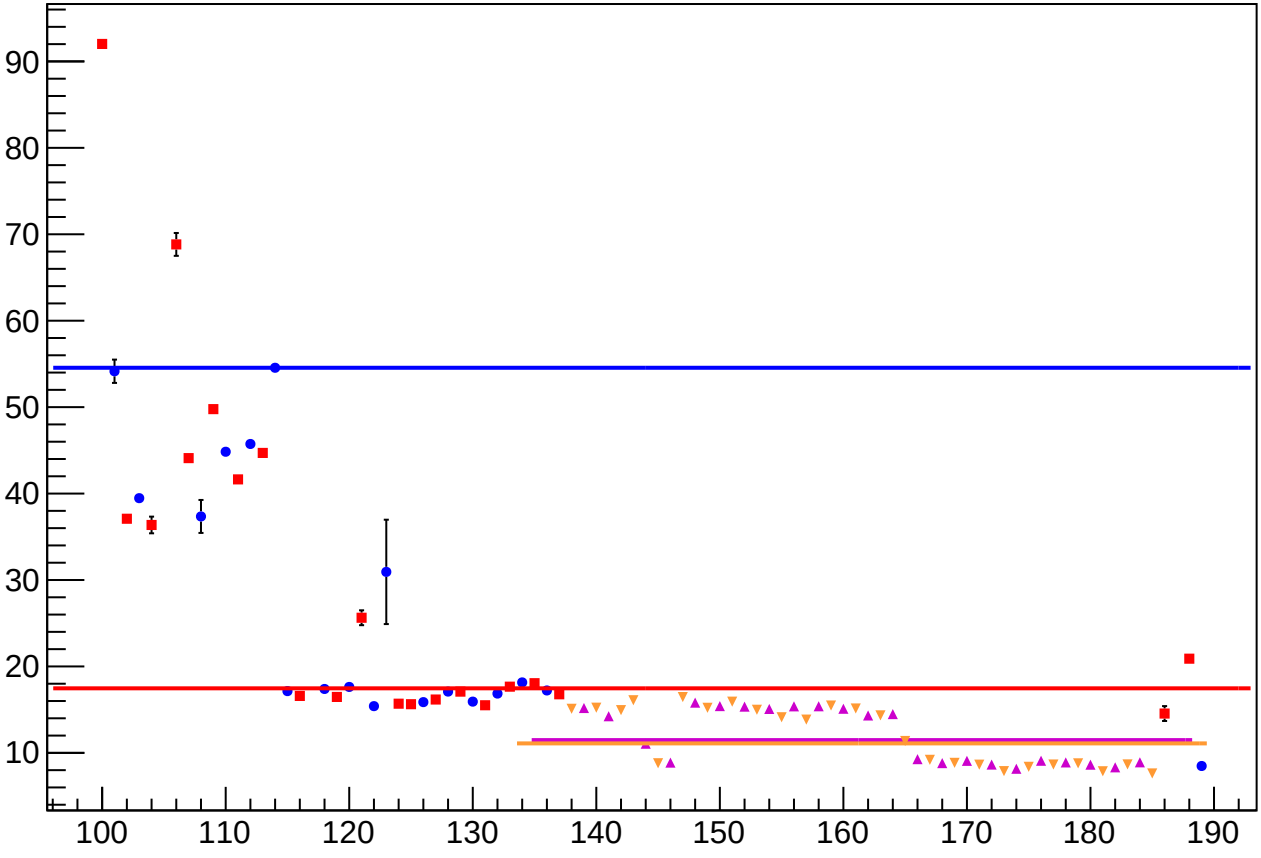
Left In: 0.577+/-0.001 $\chi^2$/NDF:15533.6/22

+ sign 1.930+/-0.000 $\chi^2$/NDF: 762091.1/42

All: 2.073+/-0.000 $\chi^2$/NDF: 3809953457808

- sign 3.123+/-0.000 $\chi^2$/NDF: 3606615.5/43

# dit_sam2_4aY_slope vs Slug




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

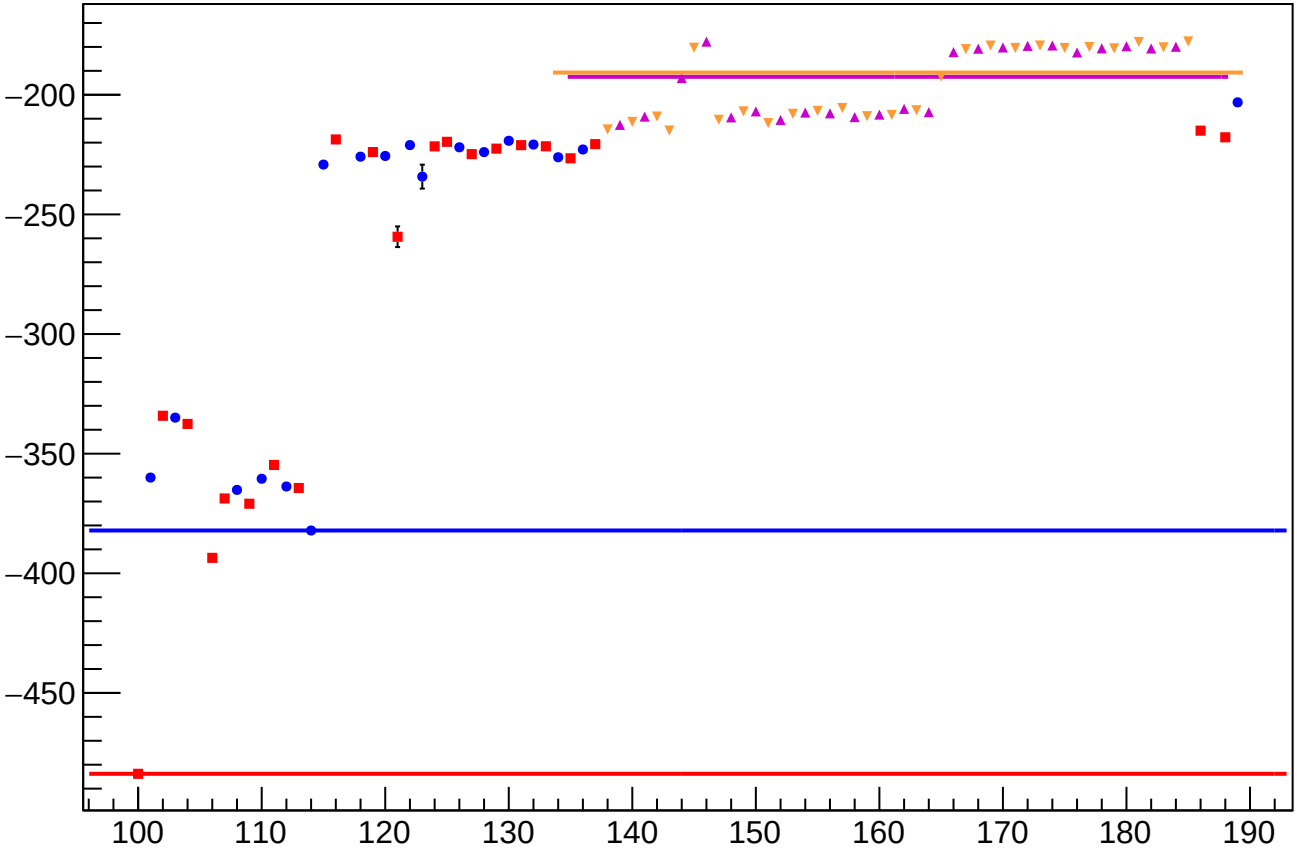
Left In: 11.477+/-0.005 $\chi^2$/NDF:381285.2/22

+ sign 54.556+/-0.000 $\chi^2$/NDF: 76122473.6/42

All: 54.556+/-0.000 $\chi^2$/NDF: 148677109.6/86

- sign 11.931+/-0.005 $\chi^2$/NDF: 580244.7/43

# dit_sam2_4eY_slope vs Slug




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

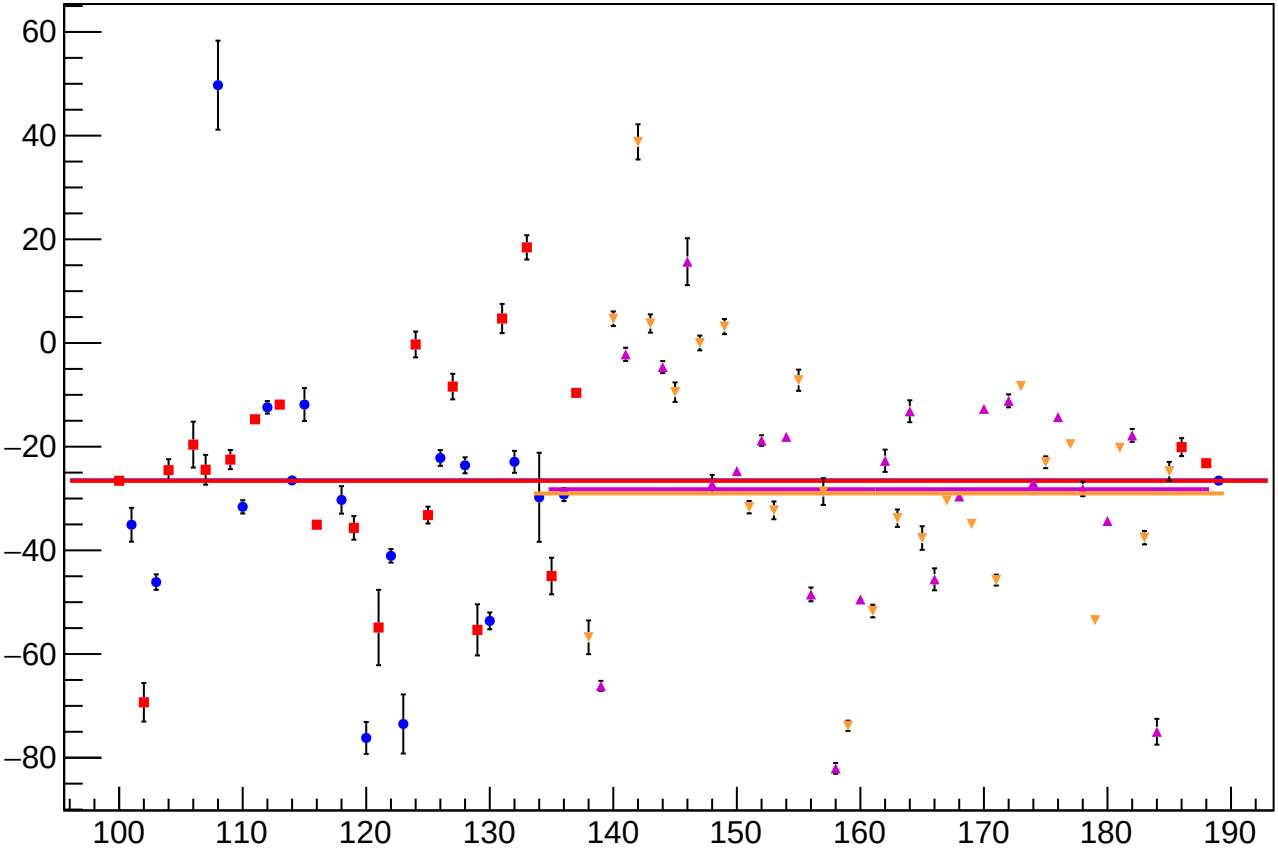
Left In: -192.488+/-0.011 $\chi^2$/NDF:1500910.9/22

+ sign -382.108+/-0.000 $\chi^2$/NDF: 314914550.8/42

All: -417.999+/-0.000 $\chi^2$/NDF: 12425488813

- sign -483.800+/-0.000 $\chi^2$/NDF: 680560150.5/43

# dit_sam3_4aX_slope vs Slug




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

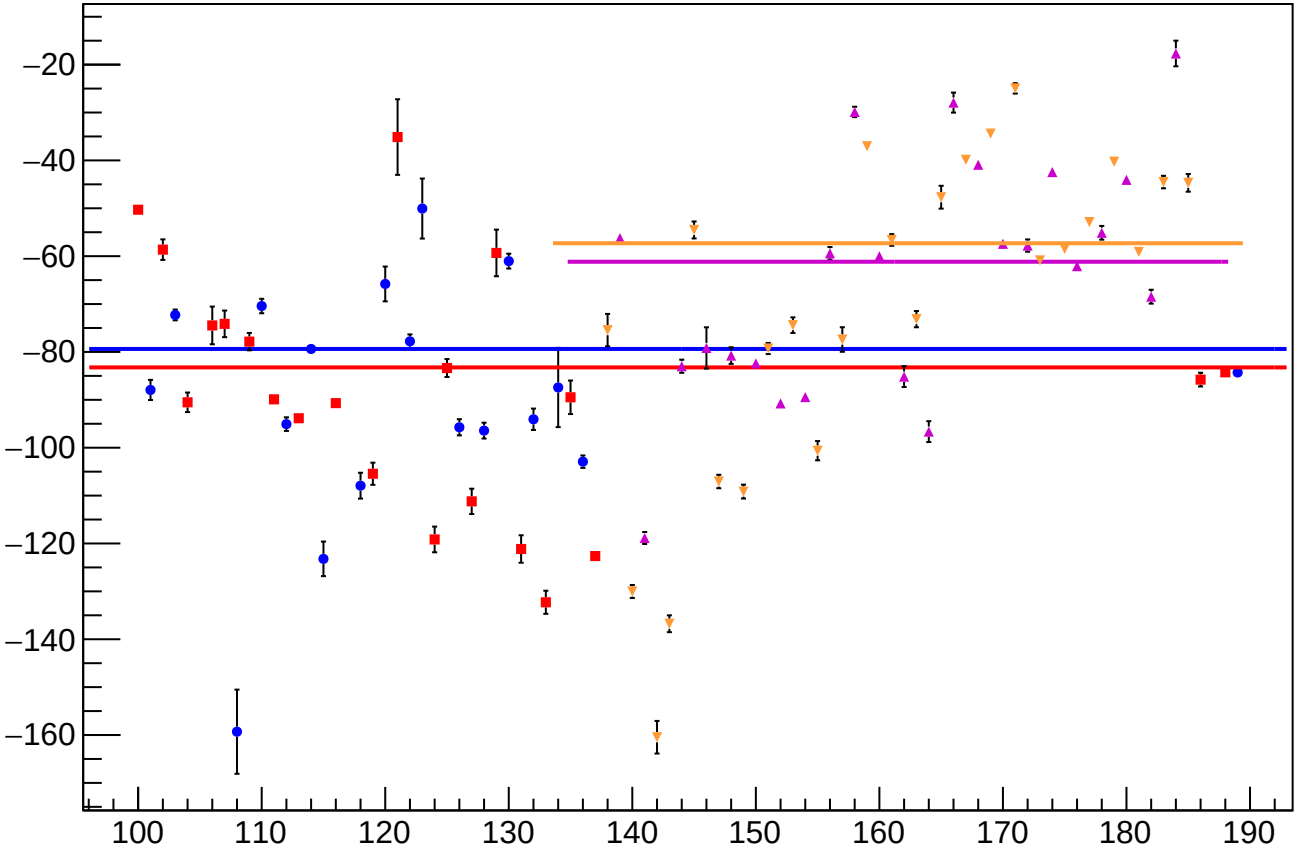
Left In: -28.215+/-0.215 $\chi^2$/NDF:7786.5/22

+ sign -26.504+/-0.000 $\chi^2$/NDF: 8406.2/42

All: -26.530+/-0.000 $\chi^2$/NDF: 412159279654

- sign -26.577+/-0.000 $\chi^2$/NDF: 10530.7/43

# dit_sam3_4eX_slope vs Slug




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

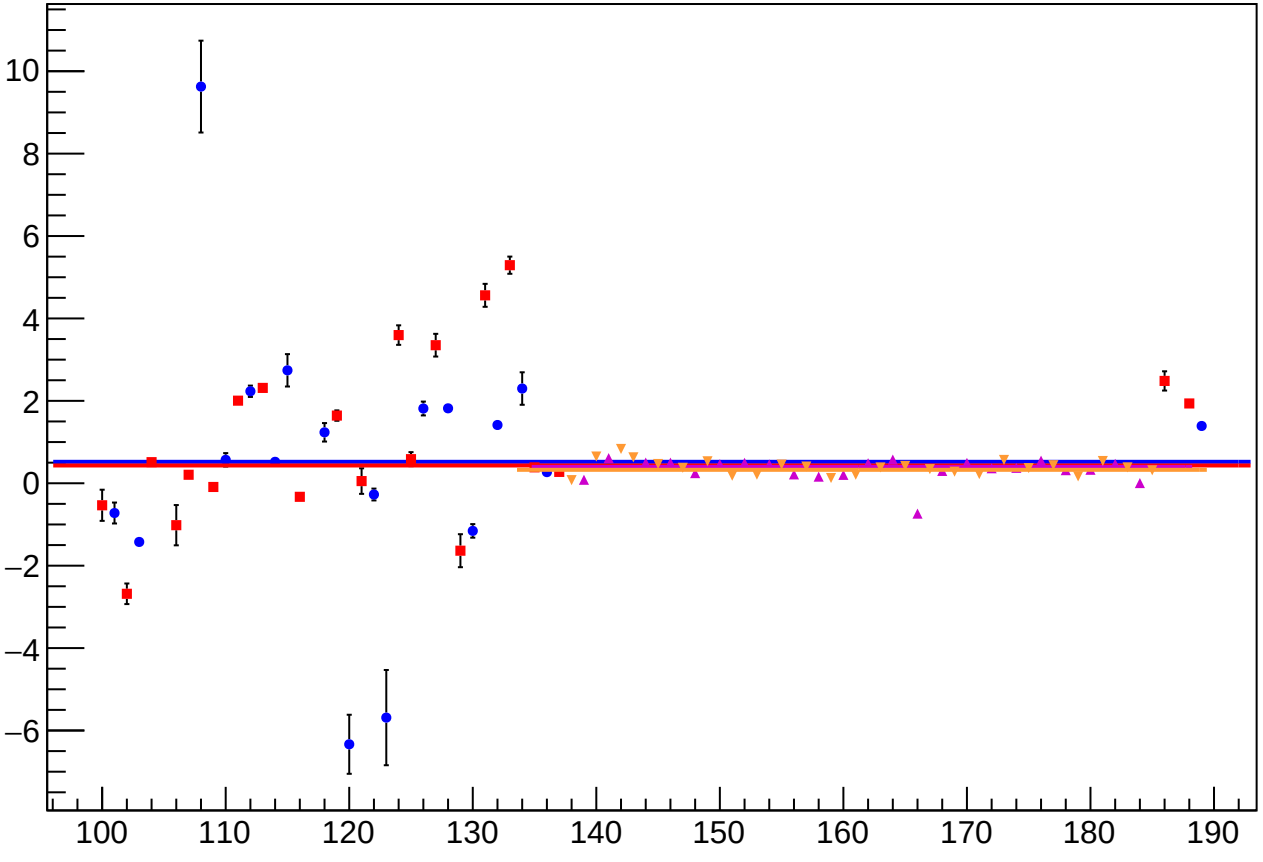
Left In: -61.164+/-0.218 $\chi^2$/NDF:8941.7/22

+ sign -79.376+/-0.000 $\chi^2$/NDF: 23685.3/42

All: -79.376+/-0.000 $\chi^2$/NDF: 52071.6/86

- sign -74.891+/-0.134 $\chi^2$/NDF: 27262.0/43

# dit_sam3_11X12X_slope vs Slug




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

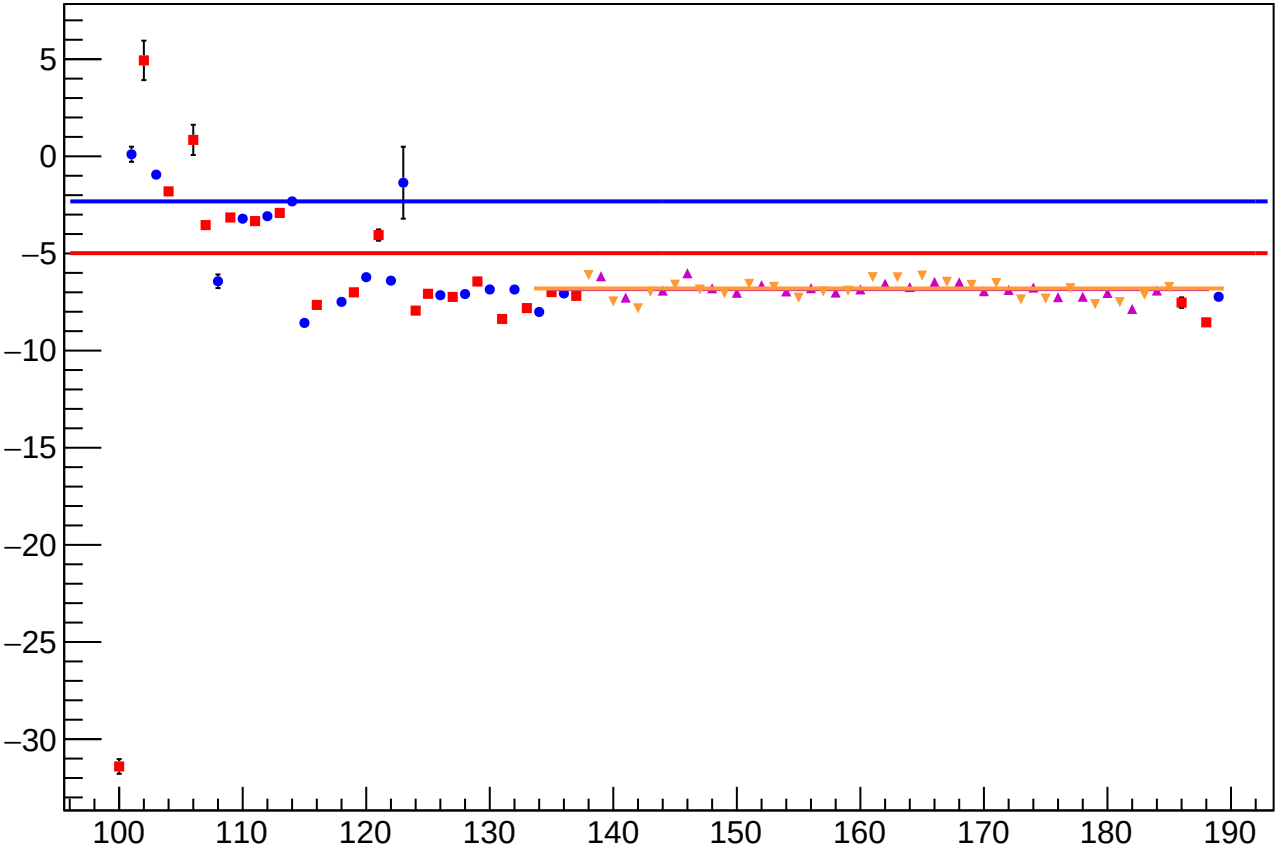
Left In: 0.396+/-0.001 $\chi^2$/NDF:11392.0/22

+ sign 0.521+/-0.000 $\chi^2$/NDF: 28718.2/42

All: 0.521+/-0.000 $\chi^2$/NDF: 50809.8/86

- sign 0.397+/-0.001 $\chi^2$/NDF: 14516.8/43

# dit_sam3_4aY_slope vs Slug




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

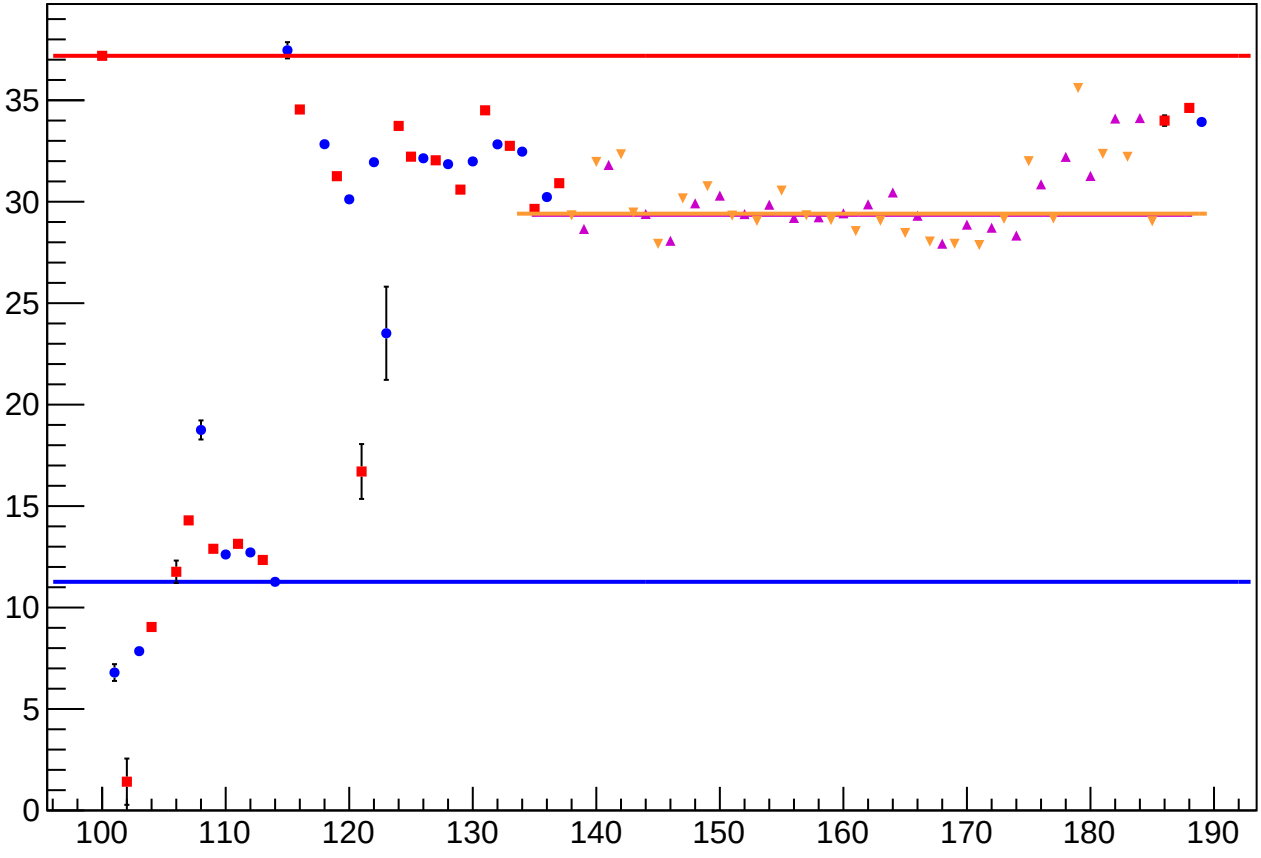
Left In: -6.836+/-0.002 $\chi^2$/NDF:9245.1/22

+ sign -2.320+/-0.000 $\chi^2$/NDF: 3534447.6/42

All: -2.320+/-0.000 $\chi^2$/NDF: 7178495.1/86

- sign -6.737+/-0.002 $\chi^2$/NDF: 94362.8/43

# dit_sam3_4eY_slope vs Slug




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

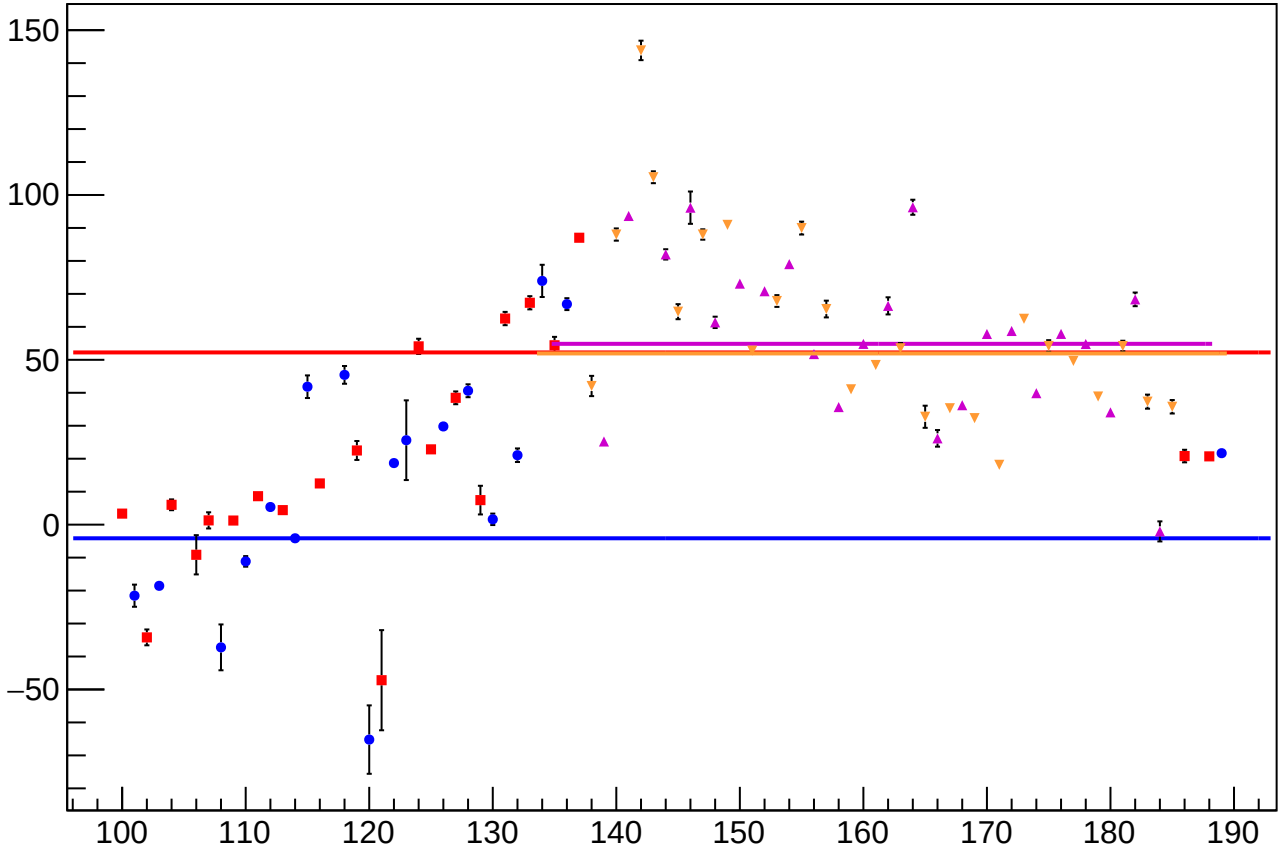
Left In: 29.354+/-0.008 $\chi^2$/NDF:14741.7/22

+ sign 11.268+/-0.000 $\chi^2$/NDF: 5934839.6/42

All: 12.122+/-0.000 $\chi^2$/NDF: 772305569497

- sign 37.191+/-0.000 $\chi^2$/NDF: 2127356.3/43

# dit_sam4_4aX_slope vs Slug




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

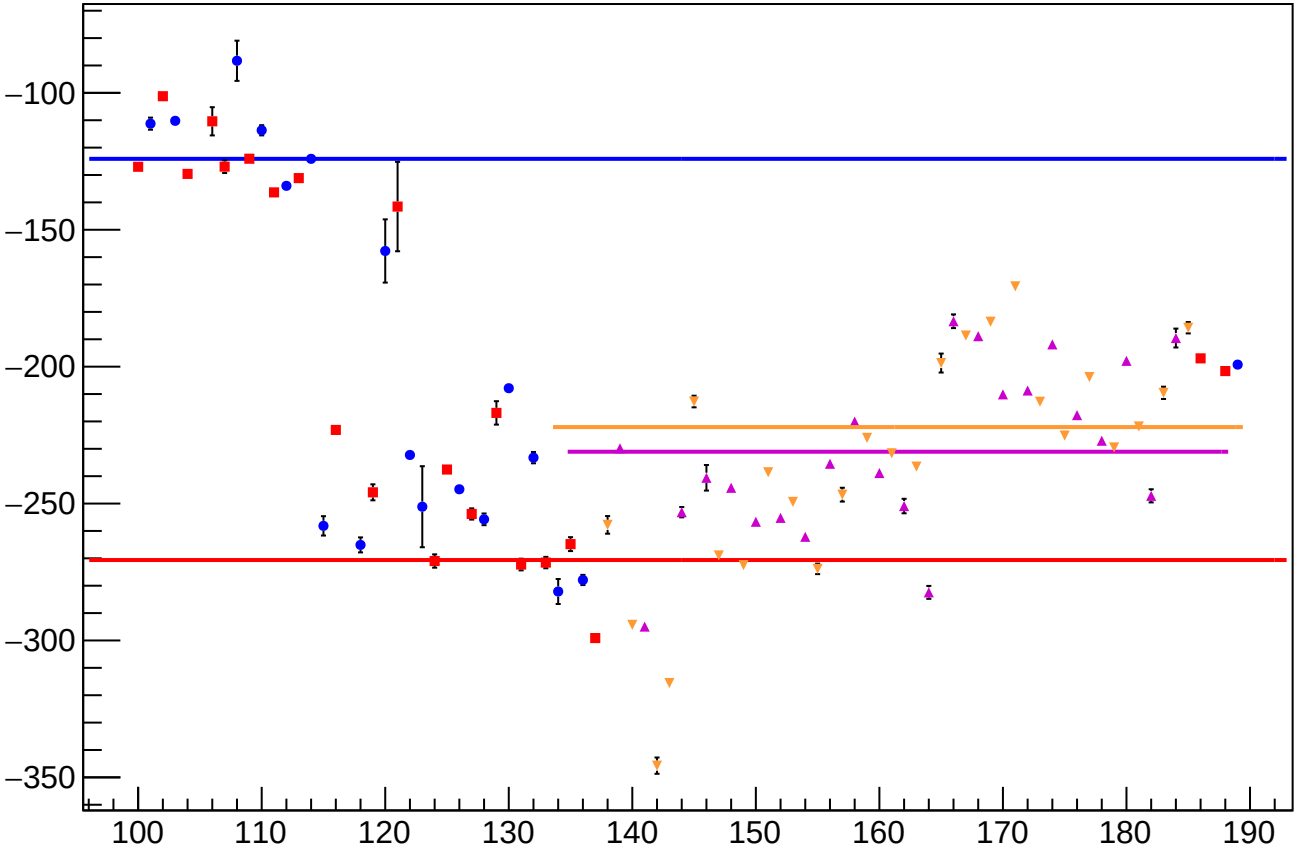
Left In: 54.849+/-0.247 $\chi^2$/NDF:6325.8/22

+ sign -4.139+/-0.000 $\chi^2$/NDF: 52688.3/42

All: -4.139+/-0.000 $\chi^2$/NDF: 289824.3/86

- sign 53.041+/-0.137 $\chi^2$/NDF: 62946.1/43

# dit_sam4_4eX_slope vs Slug




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

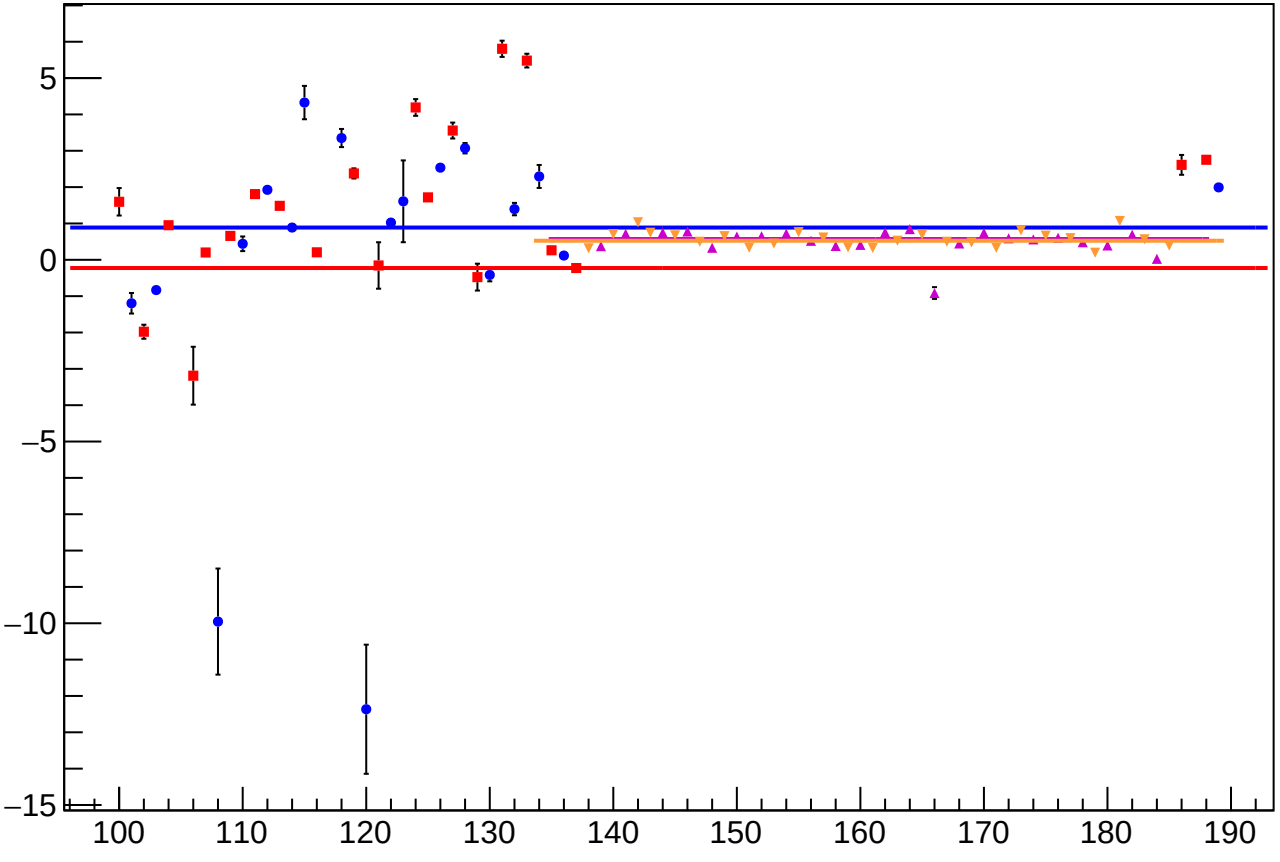
Left In: -231.069+/-0.249 $\chi^2$/NDF:12005.6/22

+ sign -124.095+/-0.000 $\chi^2$/NDF: 192667.9/42

All: -124.095+/-0.000 $\chi^2$/NDF: 2433954.8/86

- sign -264.112+/-0.101 $\chi^2$/NDF: 327494.6/43

# dit_sam4_11X12X_slope vs Slug




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

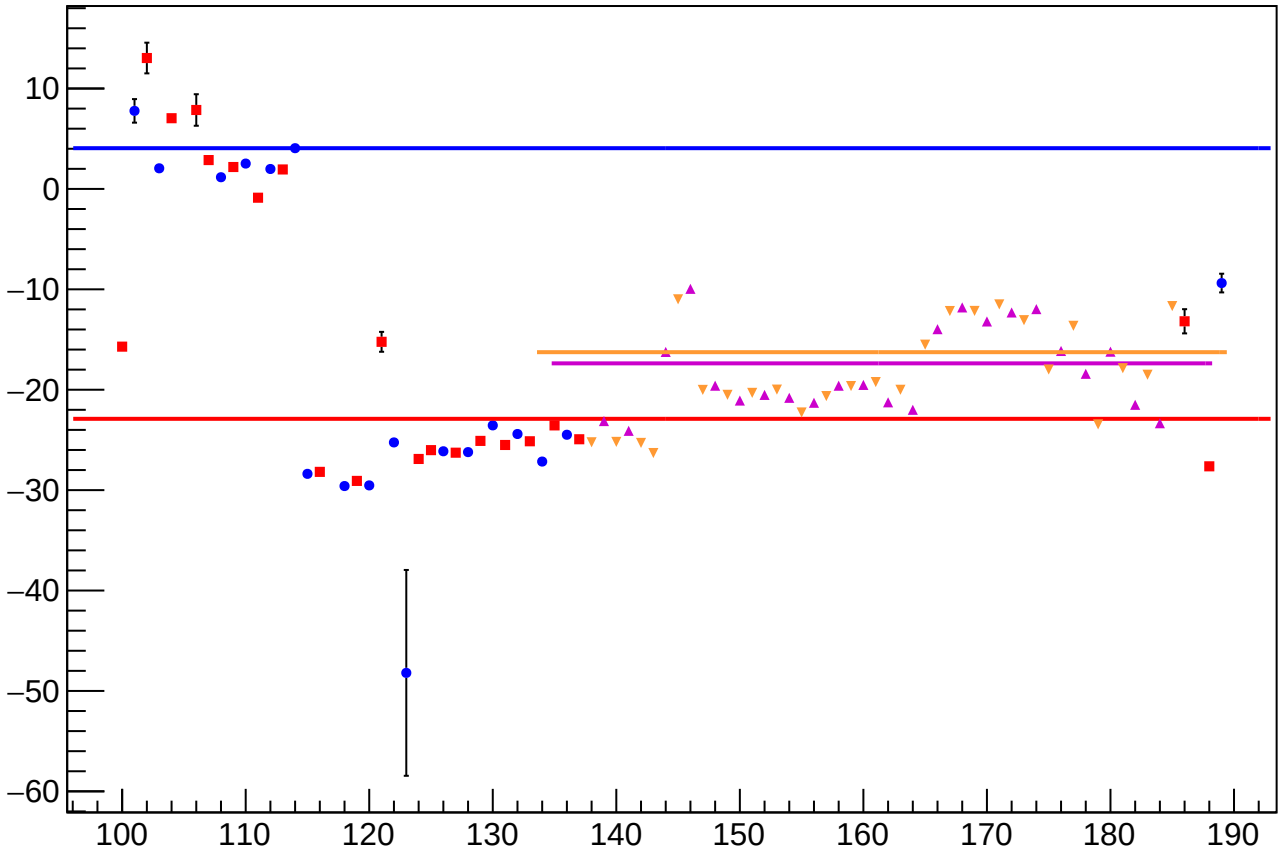
Left In: 0.572+/-0.002 $\chi^2$/NDF:5600.2/22

+ sign 0.888+/-0.000 $\chi^2$/NDF: 50308.6/42

All: 0.888+/-0.000 $\chi^2$/NDF: 422293601.0/86

- sign -0.225+/-0.000 $\chi^2$/NDF: 173565.0/43

# dit_sam4_4aY_slope vs Slug




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

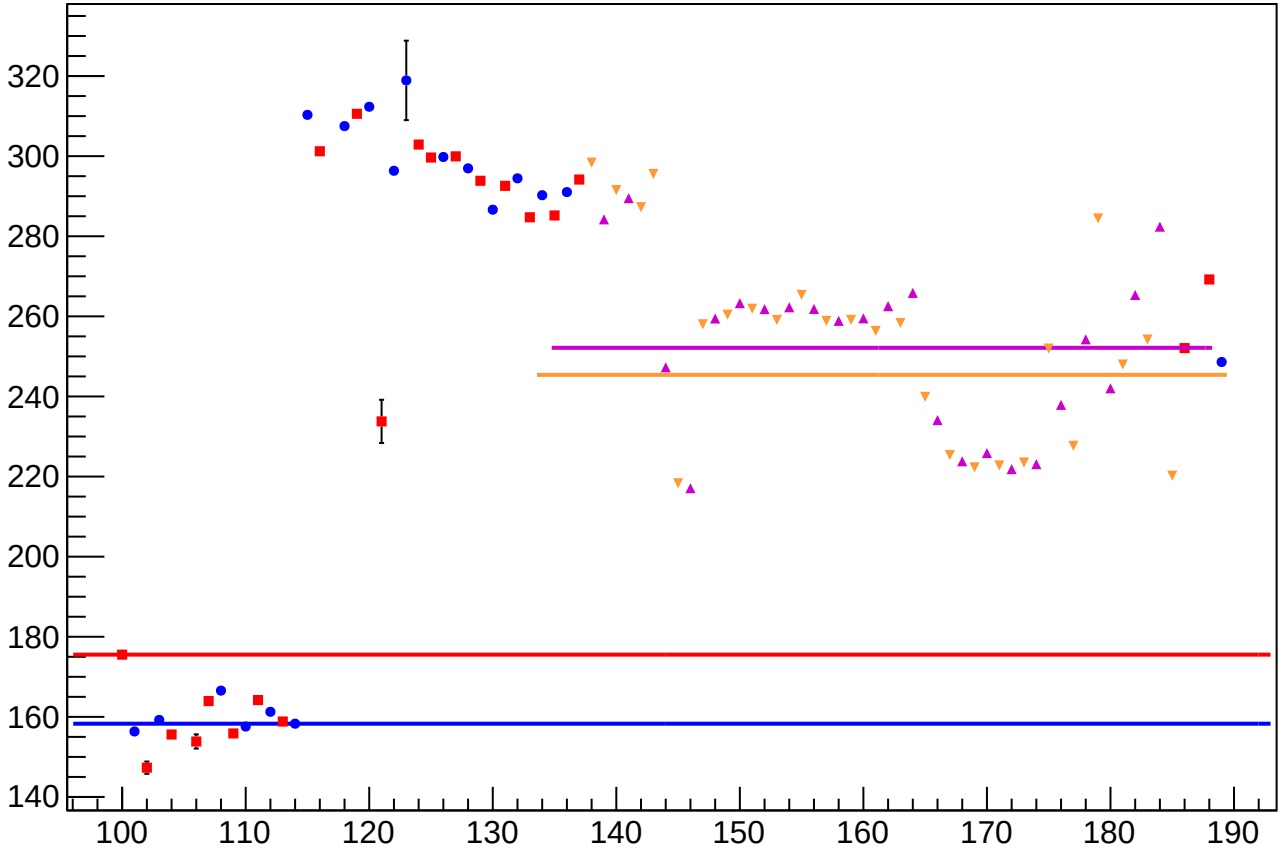
Left In: -17.374+/-0.009 $\chi^2$/NDF:169487.5/22

+ sign 4.057+/-0.000 $\chi^2$/NDF: 5552506.6/42

All: 4.057+/-0.000 $\chi^2$/NDF: 12121917.2/86

- sign -17.997+/-0.009 $\chi^2$/NDF: 325402.4/43

# dit_sam4_4eY_slope vs Slug




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

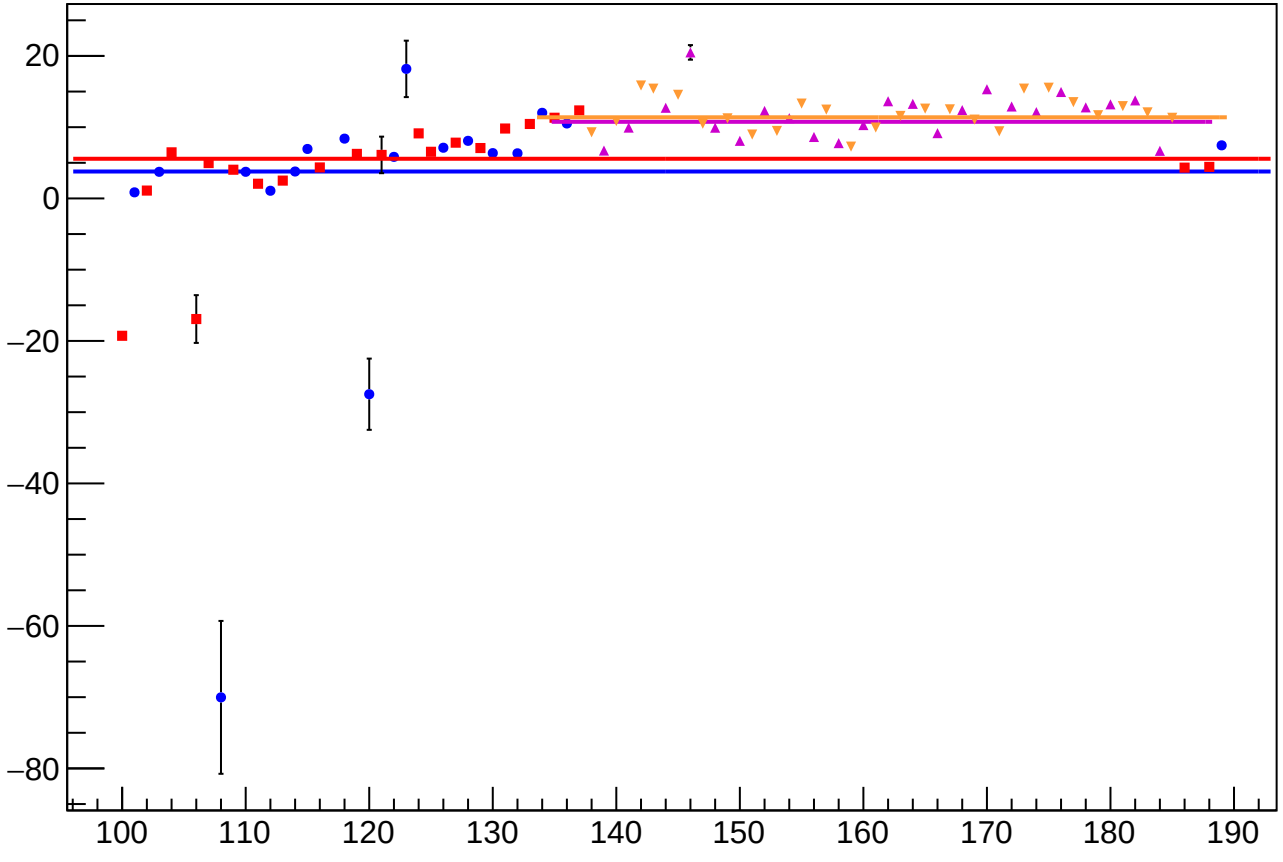
Left In: 252.148+/-0.028 $\chi^2$/NDF:359416.7/22

+ sign 158.293+/-0.000 $\chi^2$/NDF: 13282414.2/42

All: 172.618+/-0.000 $\chi^2$/NDF: 37372749122

- sign 175.536+/-0.000 $\chi^2$/NDF: 9818072.6/43

# dit_sam5_4aX_slope vs Slug




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

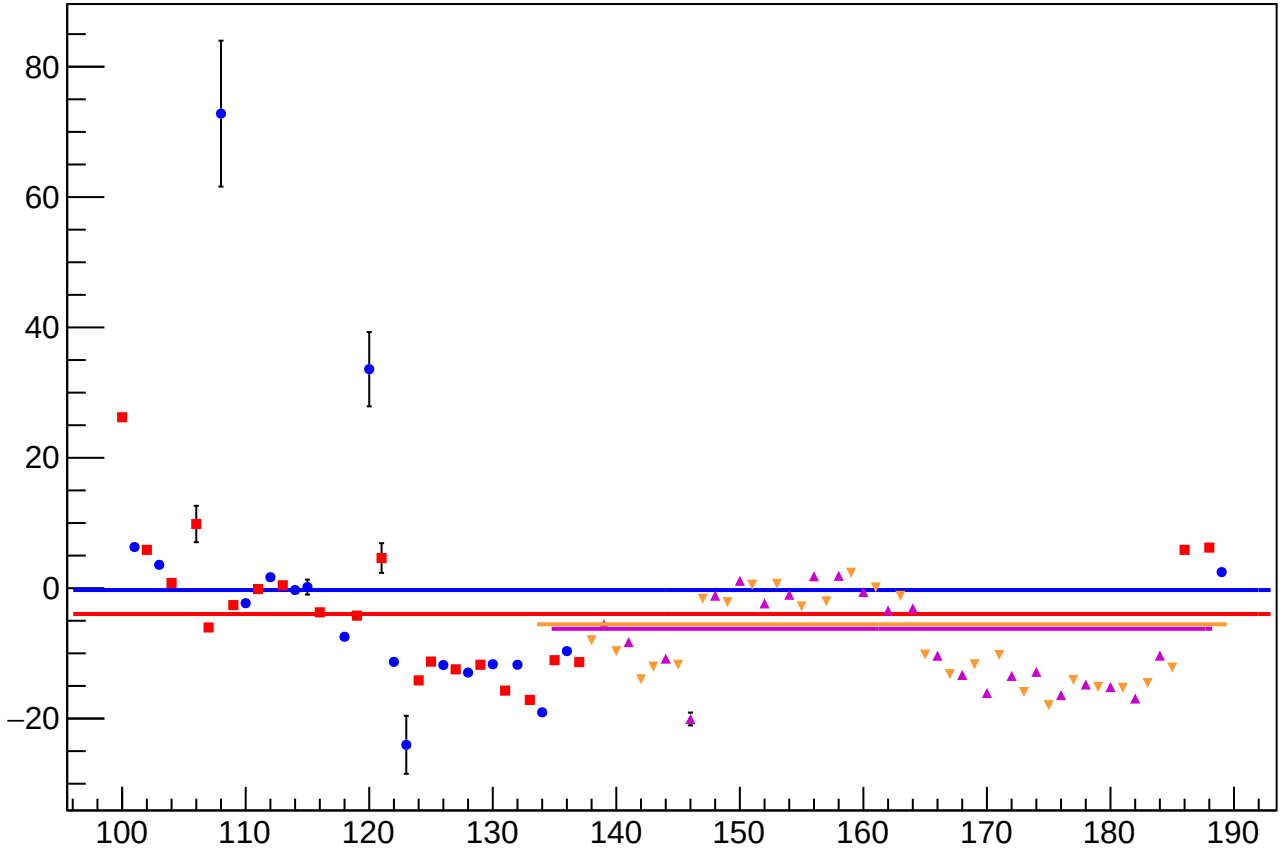
Left In: 10.753+/-0.028 $\chi^2$/NDF:9950.6/22

+ sign 3.778+/-0.000 $\chi^2$/NDF: 75388.5/42

All: 3.778+/-0.000 $\chi^2$/NDF: 176957.0/86

- sign 7.777+/-0.018 $\chi^2$/NDF: 52719.2/43

# dit_sam5_4eX_slope vs Slug




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

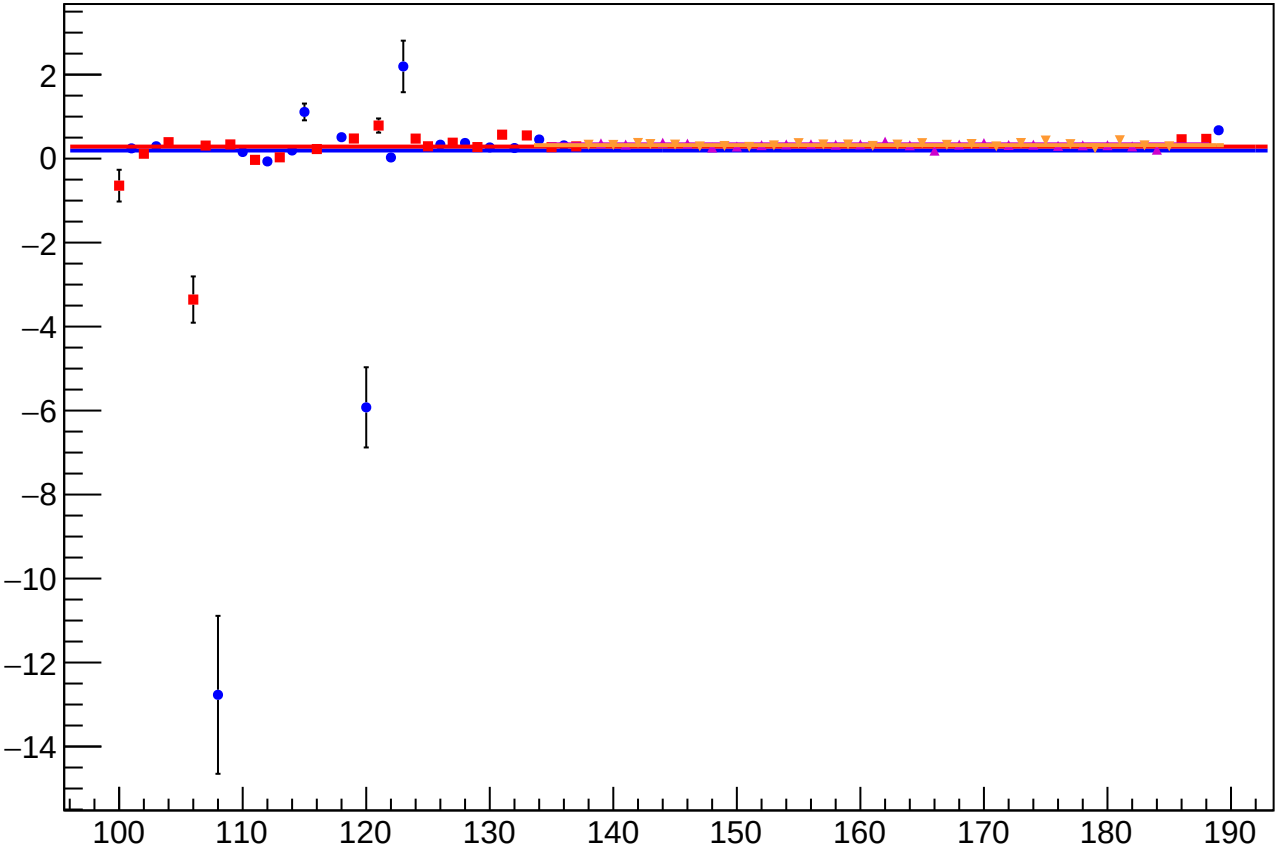
Left In: -6.234+/-0.028 $\chi^2$/NDF:57358.9/22

+ sign -0.287+/-0.000 $\chi^2$/NDF: 118318.8/42

All: -0.287+/-0.000 $\chi^2$/NDF: 336459.7/86

- sign -4.961+/-0.019 $\chi^2$/NDF: 155660.2/43

# dit_sam5_11X12X_slope vs Slug




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

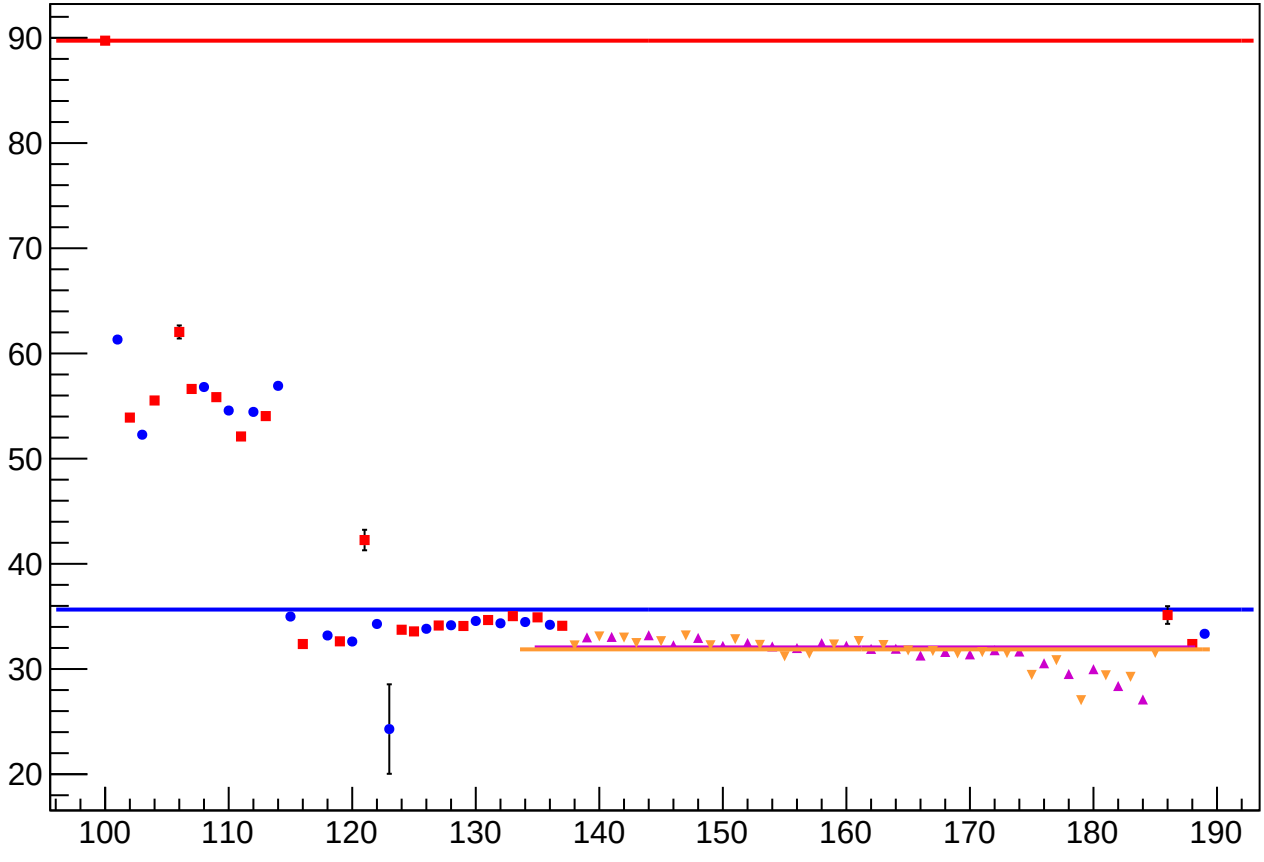
Left In: 0.340+/-0.001 $\chi^2$/NDF:4171.9/22

+ sign 0.193+/-0.000 $\chi^2$/NDF: 77140.4/42

All: 0.193+/-0.000 $\chi^2$/NDF: 168570.5/86

- sign 0.334+/-0.000 $\chi^2$/NDF: 11938.2/43

# dit_sam5_4aY_slope vs Slug




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

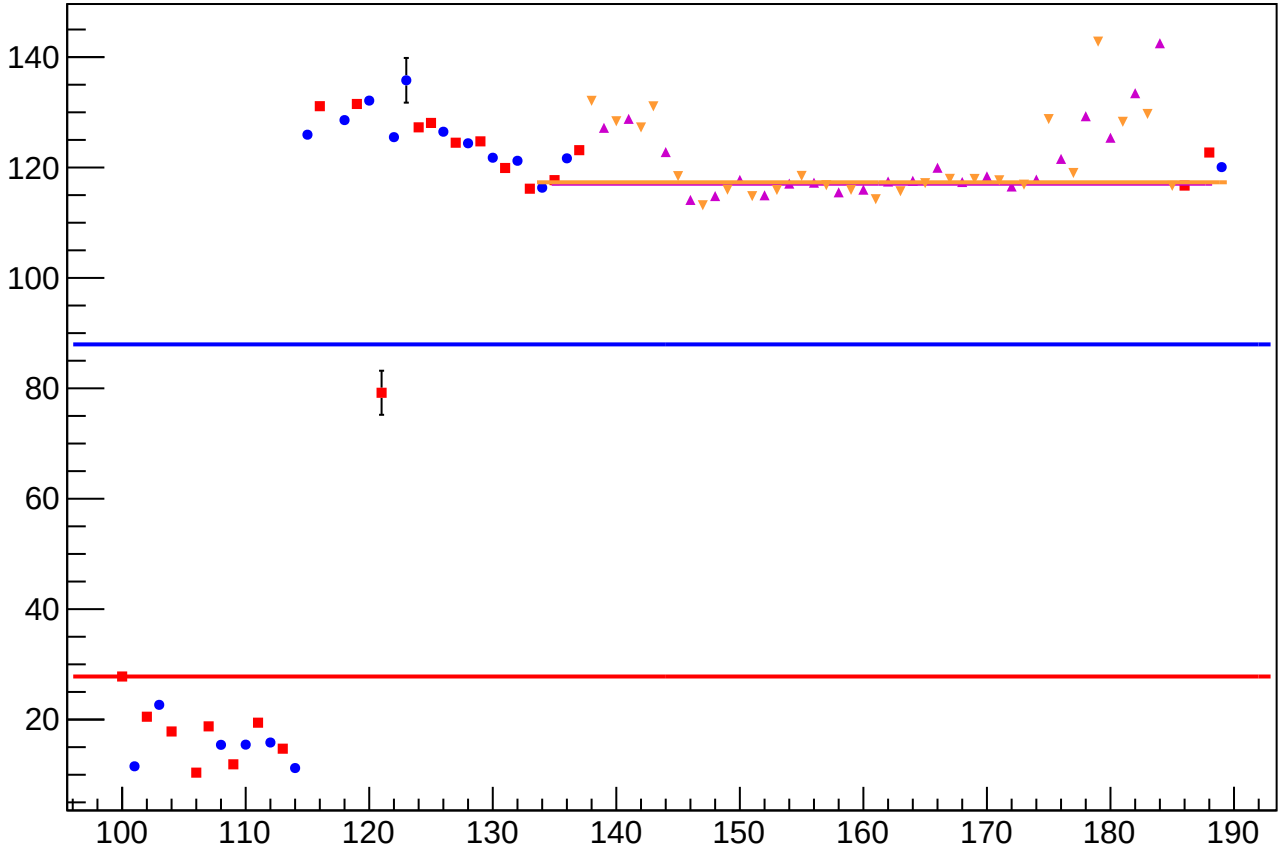
Left In: 32.053+/-0.003 $\chi^2$/NDF:32470.5/22

+ sign 32.134+/-0.003 $\chi^2$/NDF: 384368.0/42

All: 89.735+/-0.000 $\chi^2$/NDF: 679205706.0/86

- sign 89.735+/-0.000 $\chi^2$/NDF: 311277276.4/43

# dit_sam5_4eY_slope vs Slug




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

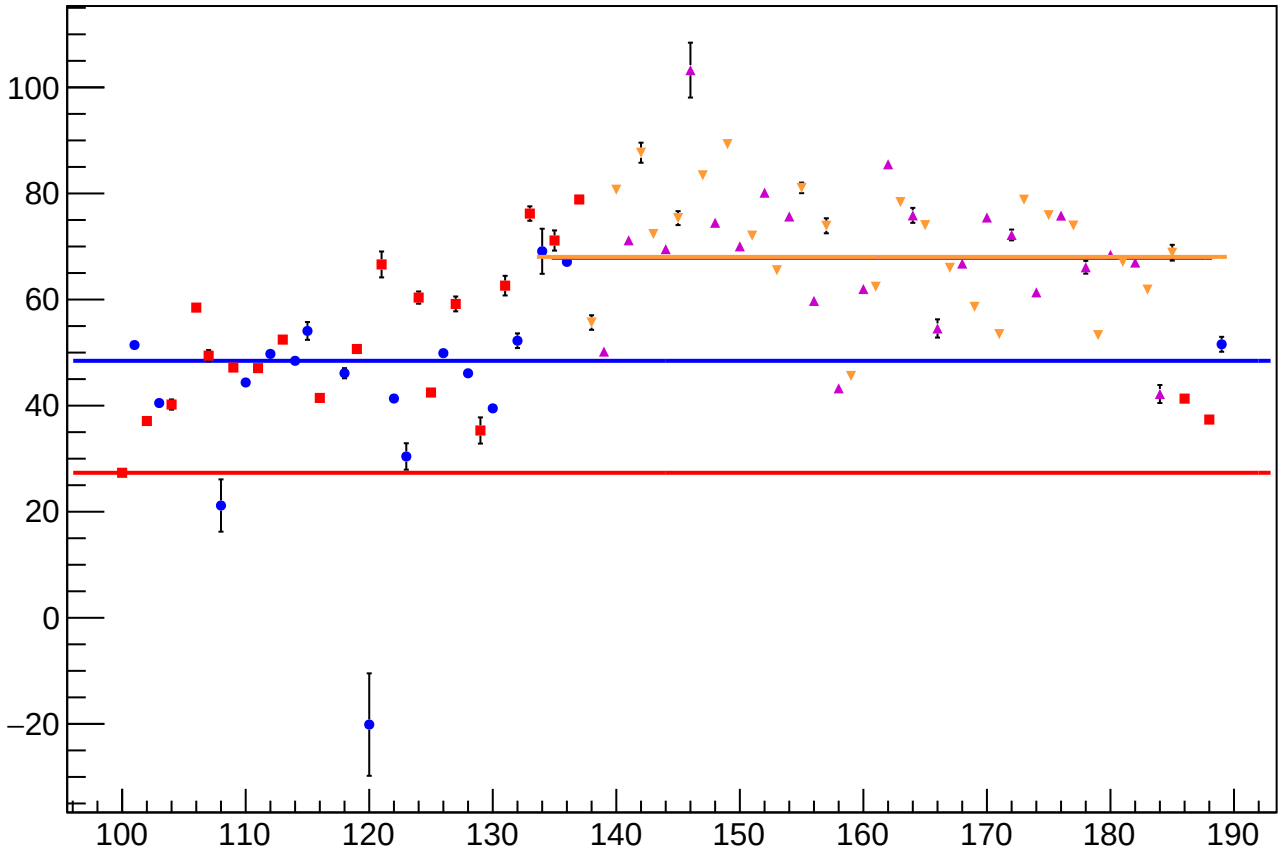
Left In: 117.061+/-0.009 $\chi^2$/NDF:62905.3/22

+ sign 115.589+/-0.008 $\chi^2$/NDF: 3457100.6/42

All: 27.798+/-0.000 $\chi^2$/NDF: 248932558.5/86

- sign 27.798+/-0.000 $\chi^2$/NDF: 112358360.8/43

# dit_sam6_4aX_slope vs Slug




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

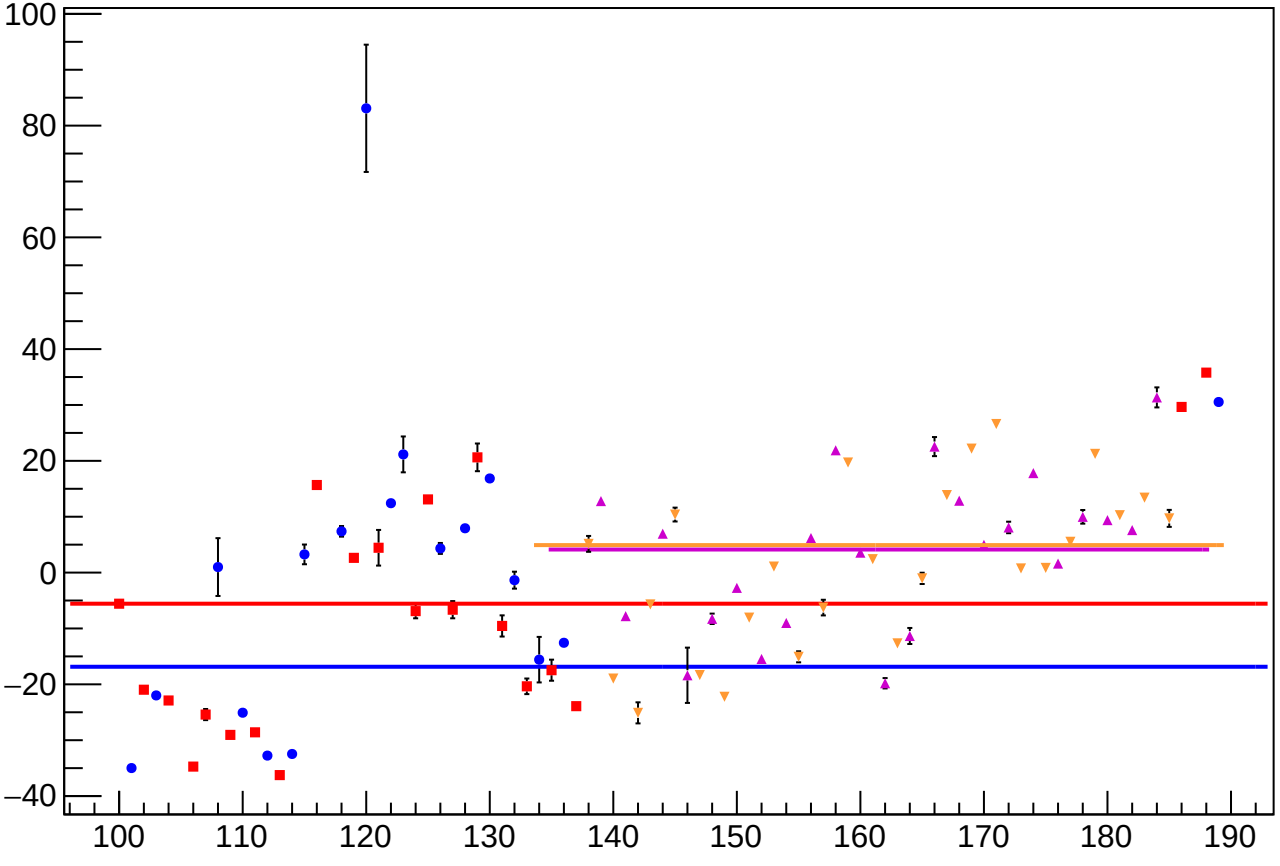
Left In: 67.852+/-0.126 $\chi^2$/NDF:5519.9/22

+ sign 48.450+/-0.000 $\chi^2$/NDF: 31378.1/42

All: 28.365+/-0.000 $\chi^2$/NDF: 102629010488

- sign 27.342+/-0.000 $\chi^2$/NDF: 136950.7/43

# dit_sam6_4eX_slope vs Slug




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

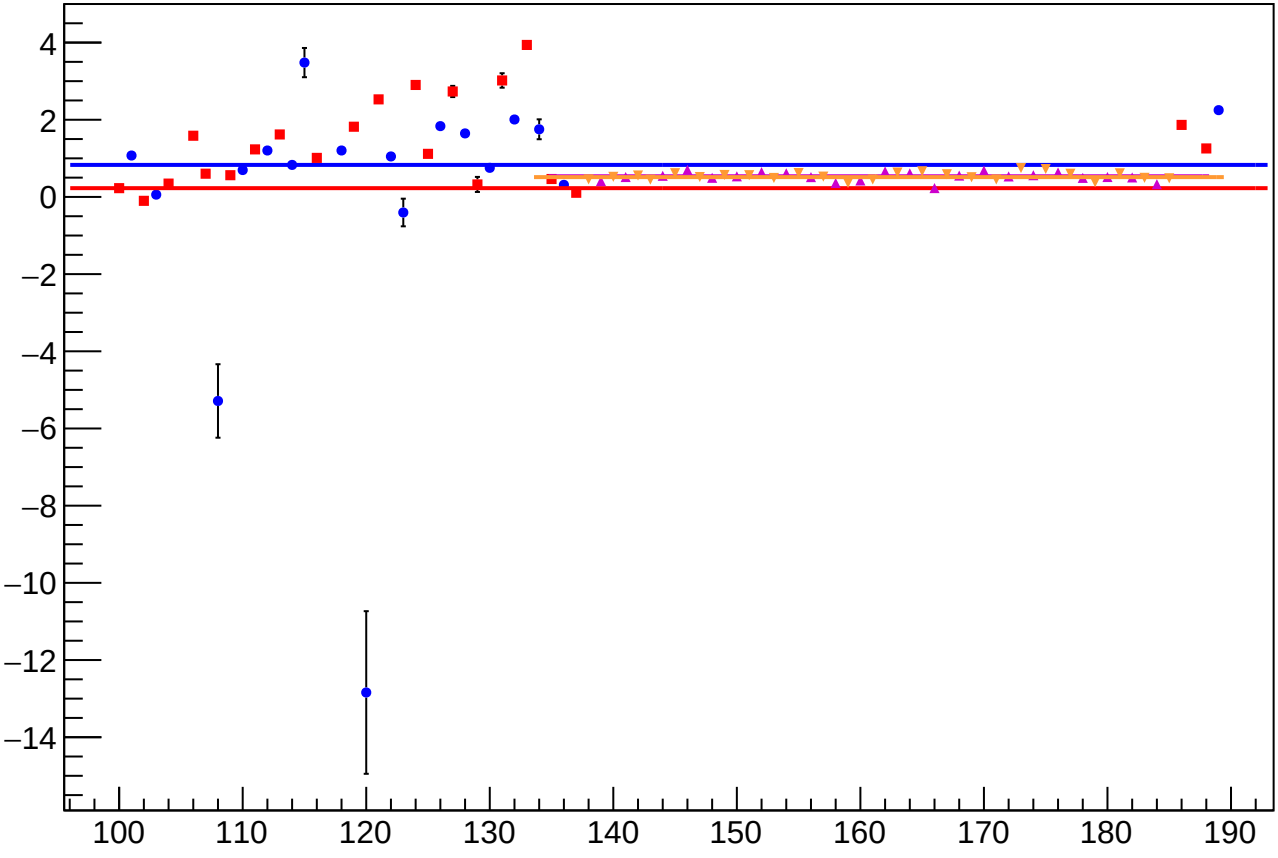
Left In: 4.129+/-0.127 $\chi^2$/NDF:6161.4/22

+ sign -4.929+/-0.098 $\chi^2$/NDF: 38767.7/42

All: -5.568+/-0.000 $\chi^2$/NDF: 99961.0/86

- sign -5.568+/-0.000 $\chi^2$/NDF: 61150.7/43

# dit_sam6_11X12X_slope vs Slug




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

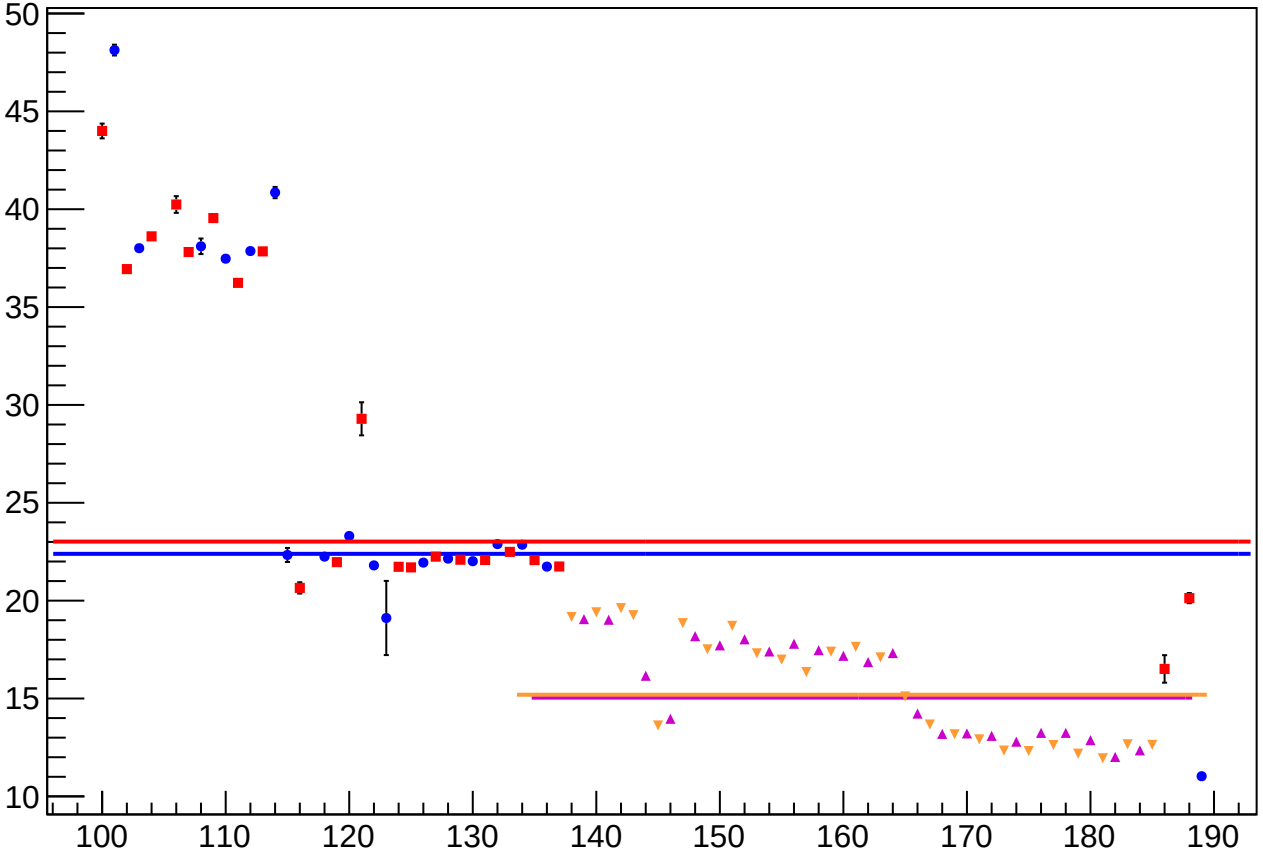
Left In: 0.536+/-0.001 $\chi^2$/NDF:11764.8/22

+ sign 0.830+/-0.000 $\chi^2$/NDF: 138614.0/42

All: 0.289+/-0.000 $\chi^2$/NDF: 2906608256145

- sign 0.227+/-0.000 $\chi^2$/NDF: 152063.7/43

# dit_sam6_4aY_slope vs Slug




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

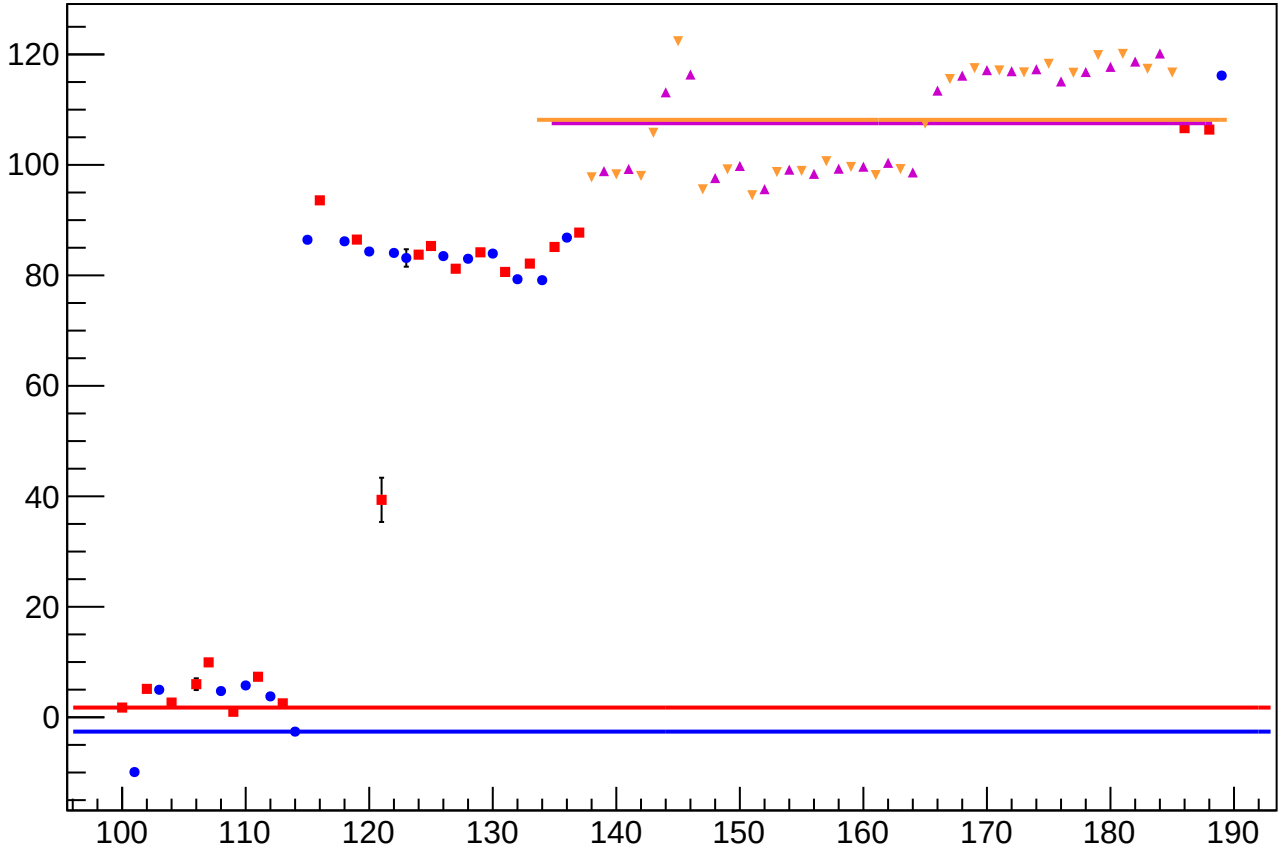
Left In: 15.044+/-0.005 $\chi^2$/NDF:285851.6/22

+ sign 16.458+/-0.004 $\chi^2$/NDF: 1041971.4/42

All: 16.569+/-0.003 $\chi^2$/NDF: 2112640.0/86

- sign 16.695+/-0.004 $\chi^2$/NDF: 1068899.8/43

# dit_sam6_4eY_slope vs Slug




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

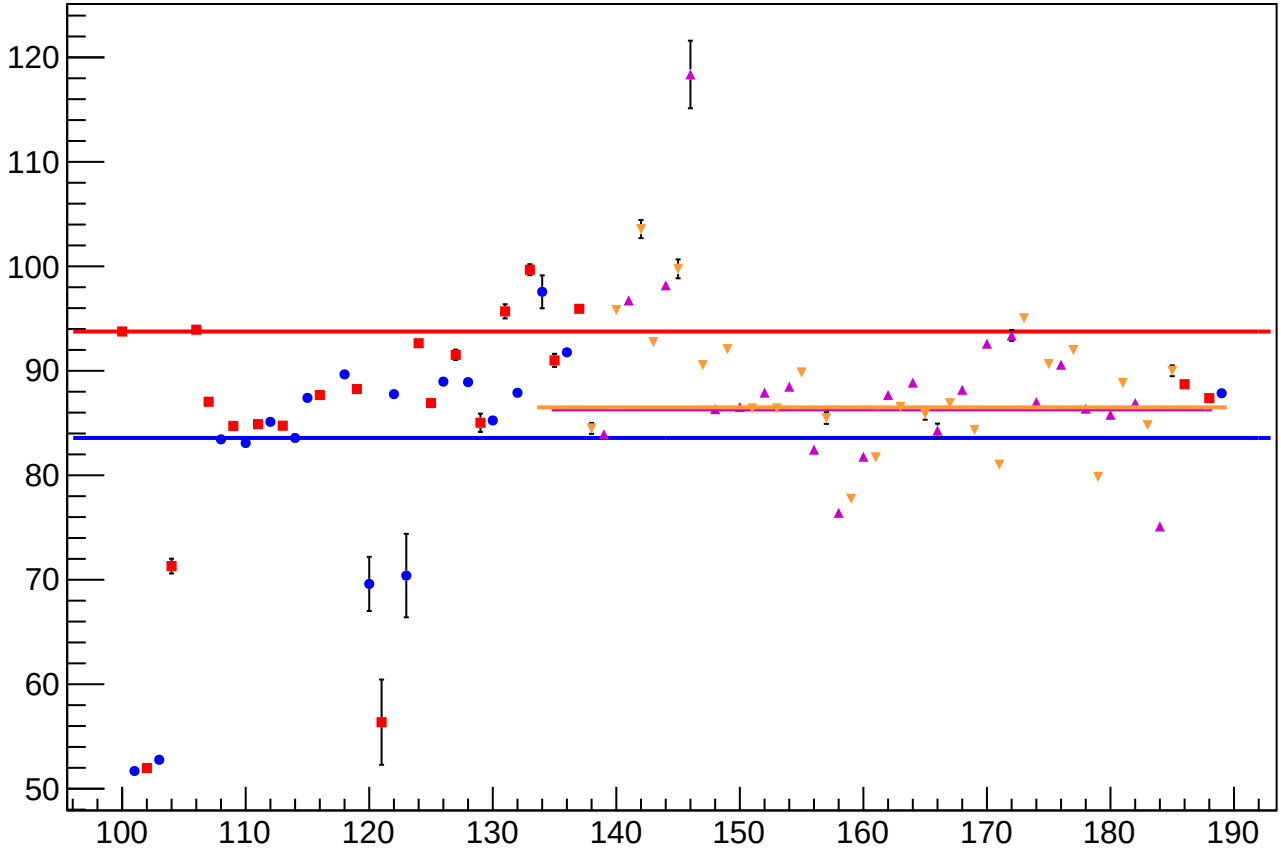
Left In: 107.543+/-0.009 $\chi^2$/NDF:988940.0/22

+ sign -2.596+/-0.000 $\chi^2$/NDF: 150522986.2/42

All: -1.059+/-0.000 $\chi^2$/NDF: 3731791751577

- sign 1.758+/-0.000 $\chi^2$/NDF: 134149513.4/43

# dit_sam7_4aX_slope vs Slug




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

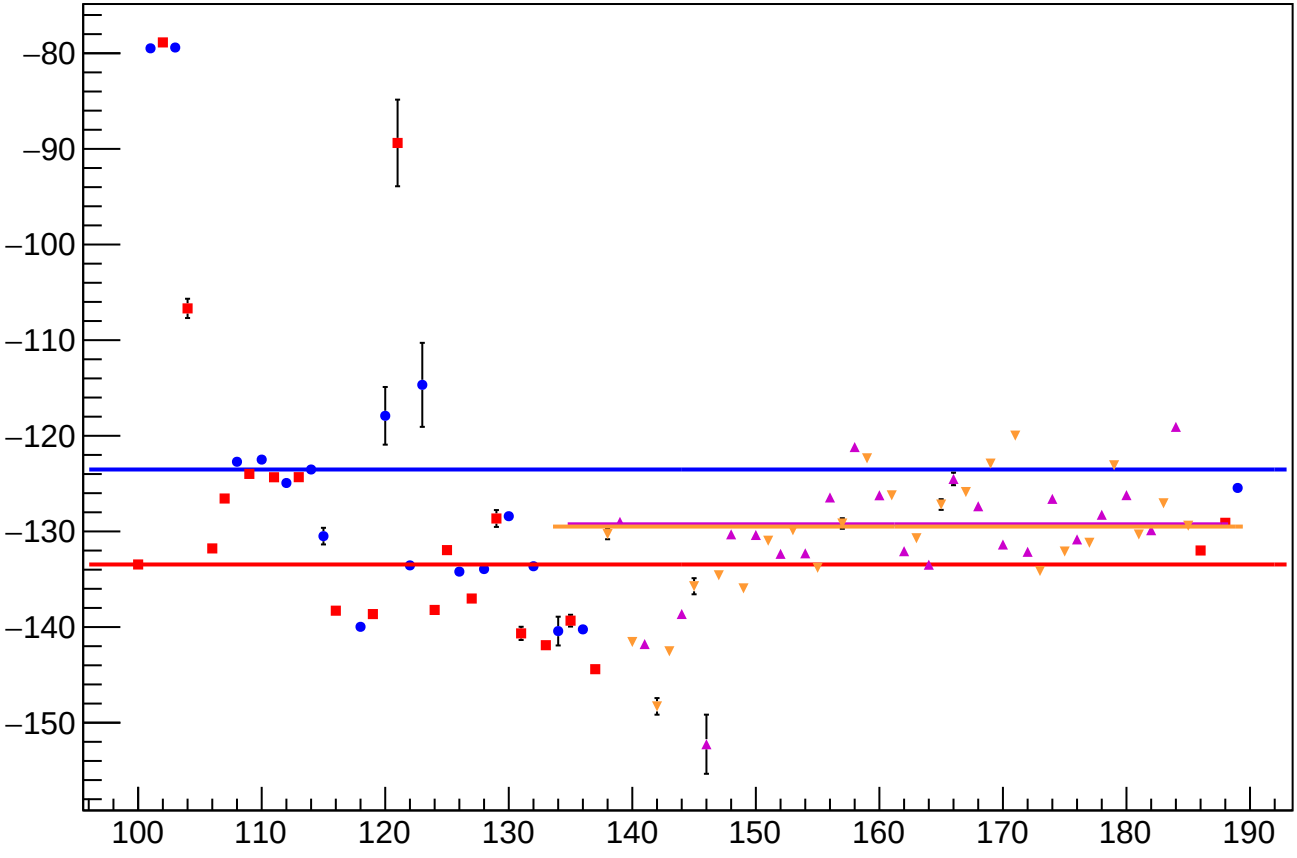
Left In: 86.310+/-0.051 $\chi^2$/NDF:8666.5/22

+ sign 83.573+/-0.000 $\chi^2$/NDF: 60626.2/42

All: 87.169+/-0.000 $\chi^2$/NDF: 199568440414

- sign 93.762+/-0.000 $\chi^2$/NDF: 114756.1/43

# dit_sam7_4eX_slope vs Slug




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

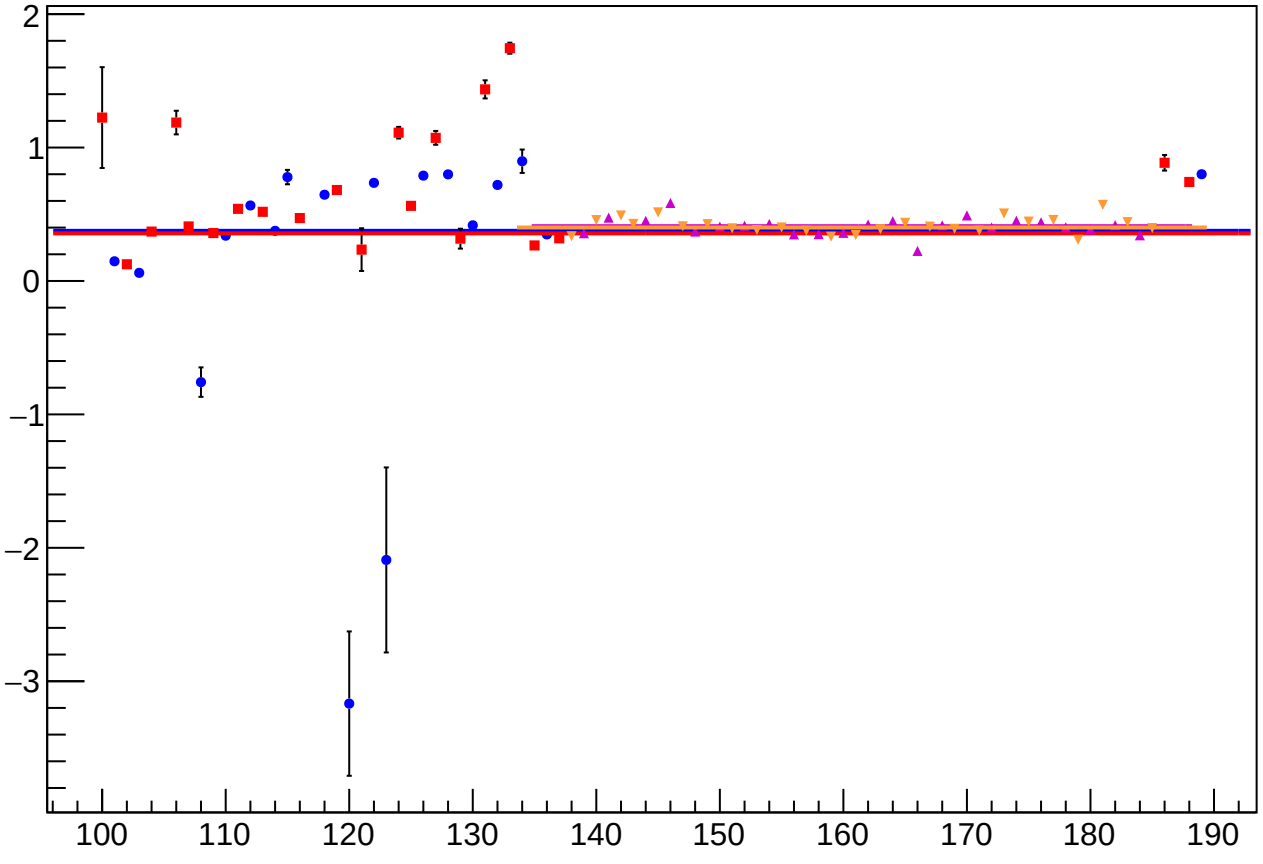
Left In: -129.256+/-0.052 $\chi^2$/NDF:6558.2/22

+ sign -123.524+/-0.000 $\chi^2$/NDF: 181519.3/42

All: -124.716+/-0.000 $\chi^2$/NDF: 6446786990

- sign -133.456+/-0.000 $\chi^2$/NDF: 409303.6/43

# dit_sam7_11X12X_slope vs Slug




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

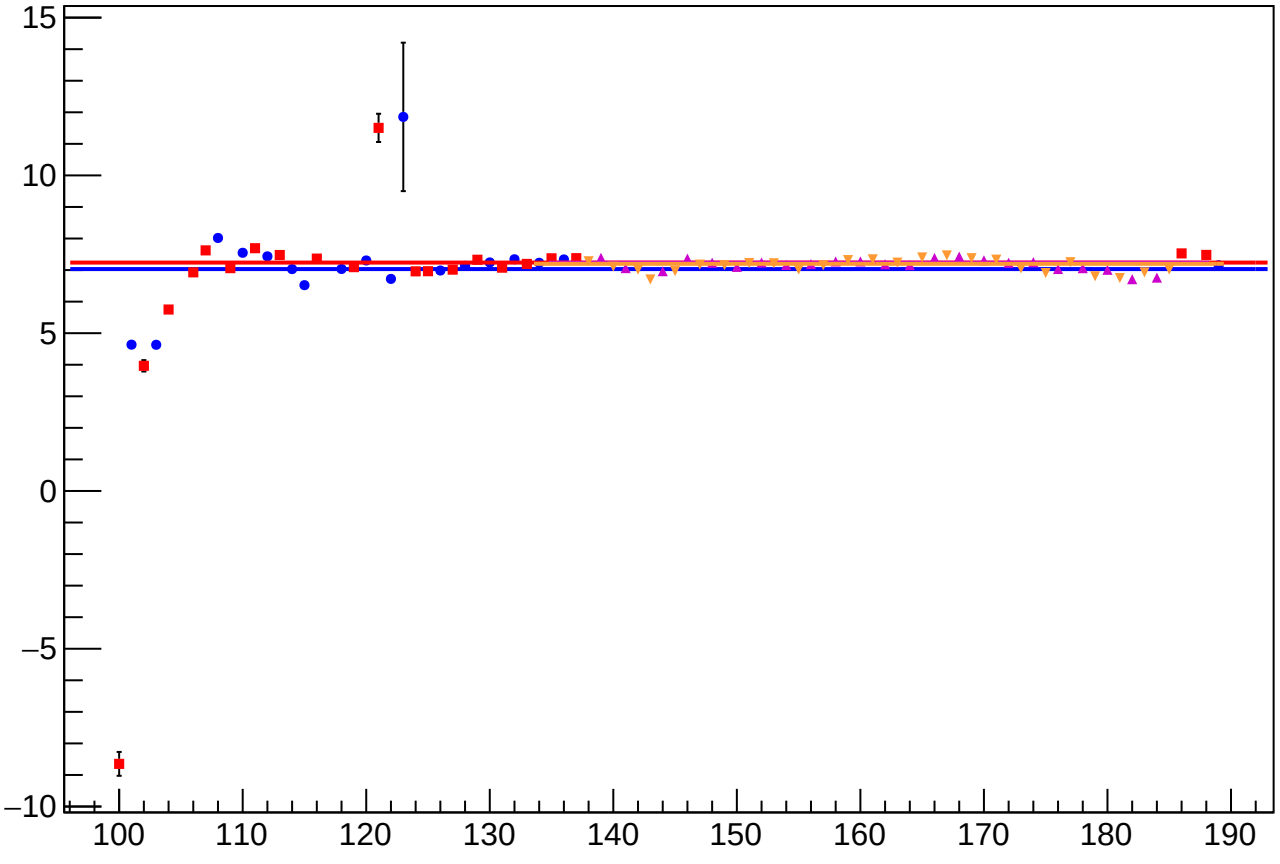
Left In: 0.410+/-0.000 $\chi^2$/NDF:8478.2/22

+ sign 0.376+/-0.000 $\chi^2$/NDF: 15646.4/42

All: 0.376+/-0.000 $\chi^2$/NDF: 35247.2/86

- sign 0.406+/-0.000 $\chi^2$/NDF: 14719.2/43

# dit_sam7_4aY_slope vs Slug




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

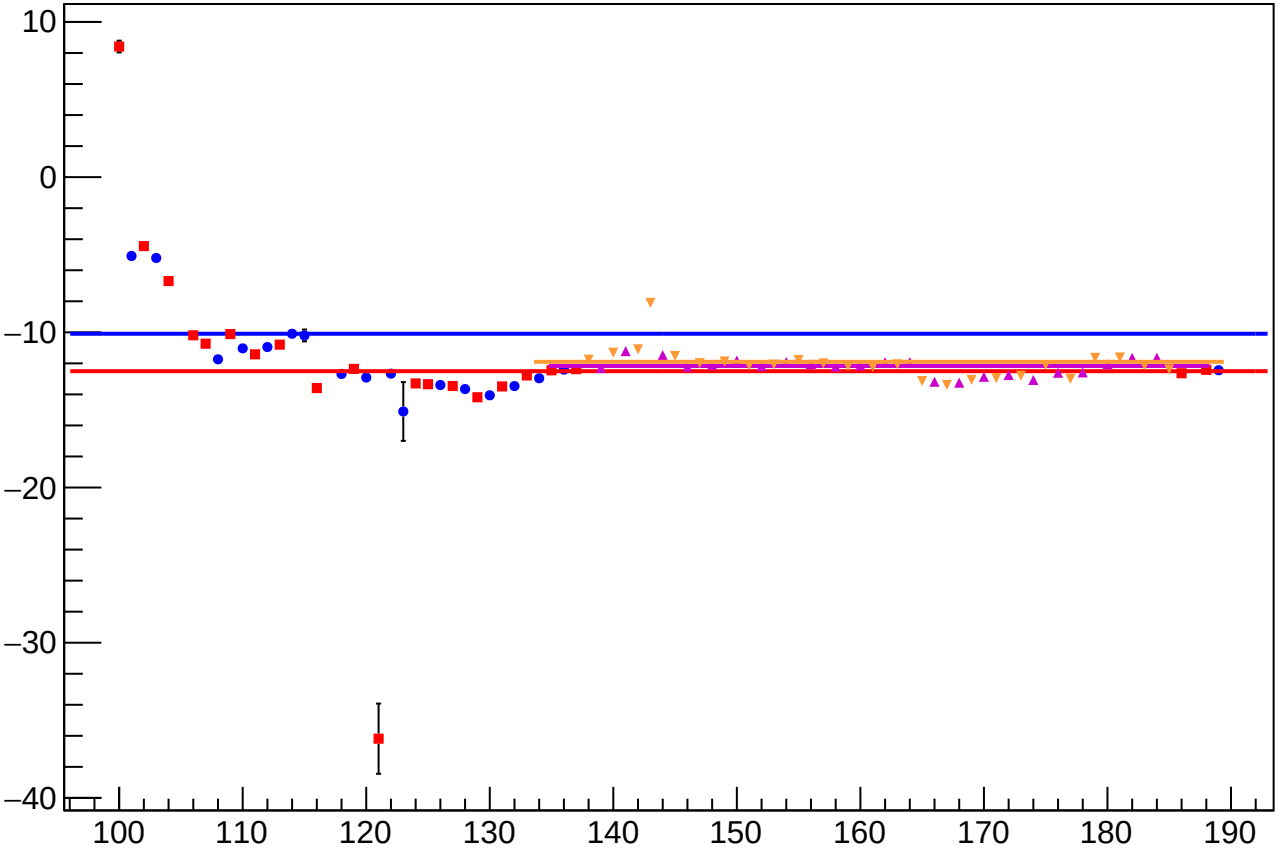
Left In: 7.233+/-0.001 $\chi^2$/NDF:23085.0/22

+ sign 7.032+/-0.000 $\chi^2$/NDF: 91578.5/42

All: 7.032+/-0.000 $\chi^2$/NDF: 191293.8/86

- sign 7.234+/-0.001 $\chi^2$/NDF: 33344.6/43

# dit_sam7_4eY_slope vs Slug




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

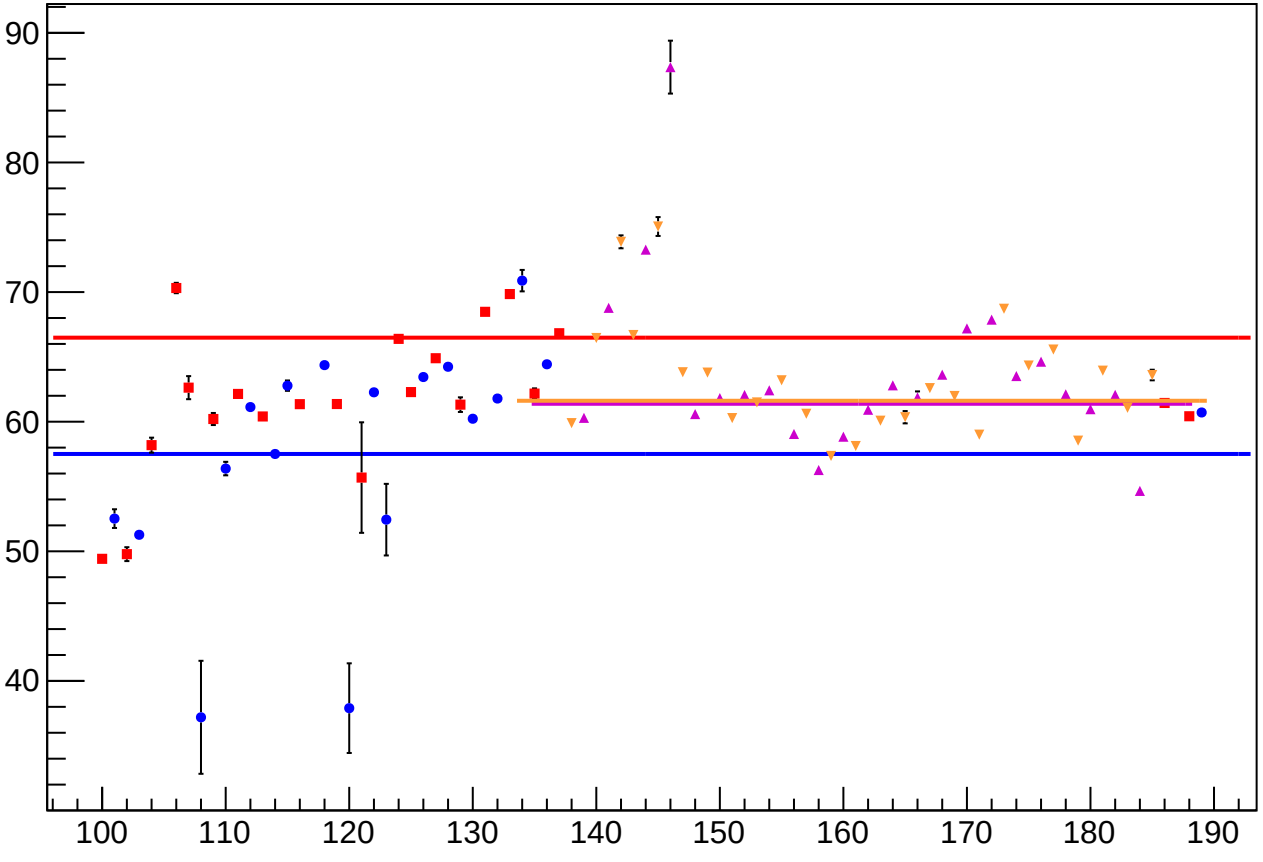
Left In: -12.169+/-0.002 $\chi^2$/NDF:49568.3/22

+ sign -10.092+/-0.000 $\chi^2$/NDF: 2186383.6/42

All: -10.092+/-0.000 $\chi^2$/NDF: 4256642.8/86

- sign -12.229+/-0.002 $\chi^2$/NDF: 160020.6/43

# dit_sam8_4aX_slope vs Slug




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

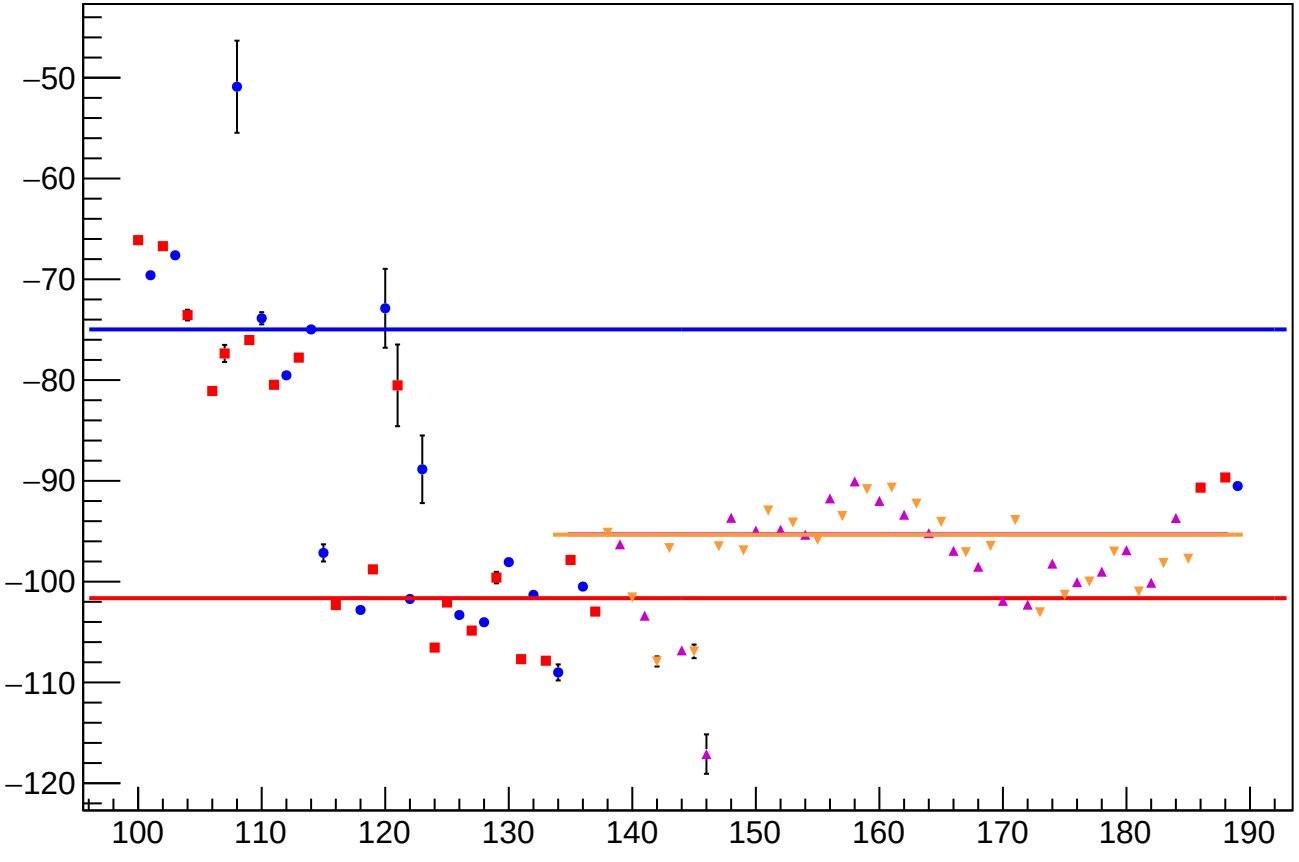
Left In: 61.383+/-0.033 $\chi^2$/NDF:8900.0/22

+ sign 57.510+/-0.000 $\chi^2$/NDF: 27890.2/42

All: 57.510+/-0.000 $\chi^2$/NDF: 548686.4/86

- sign 65.791+/-0.012 $\chi^2$/NDF: 44102.8/43

# dit_sam8_4eX_slope vs Slug




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

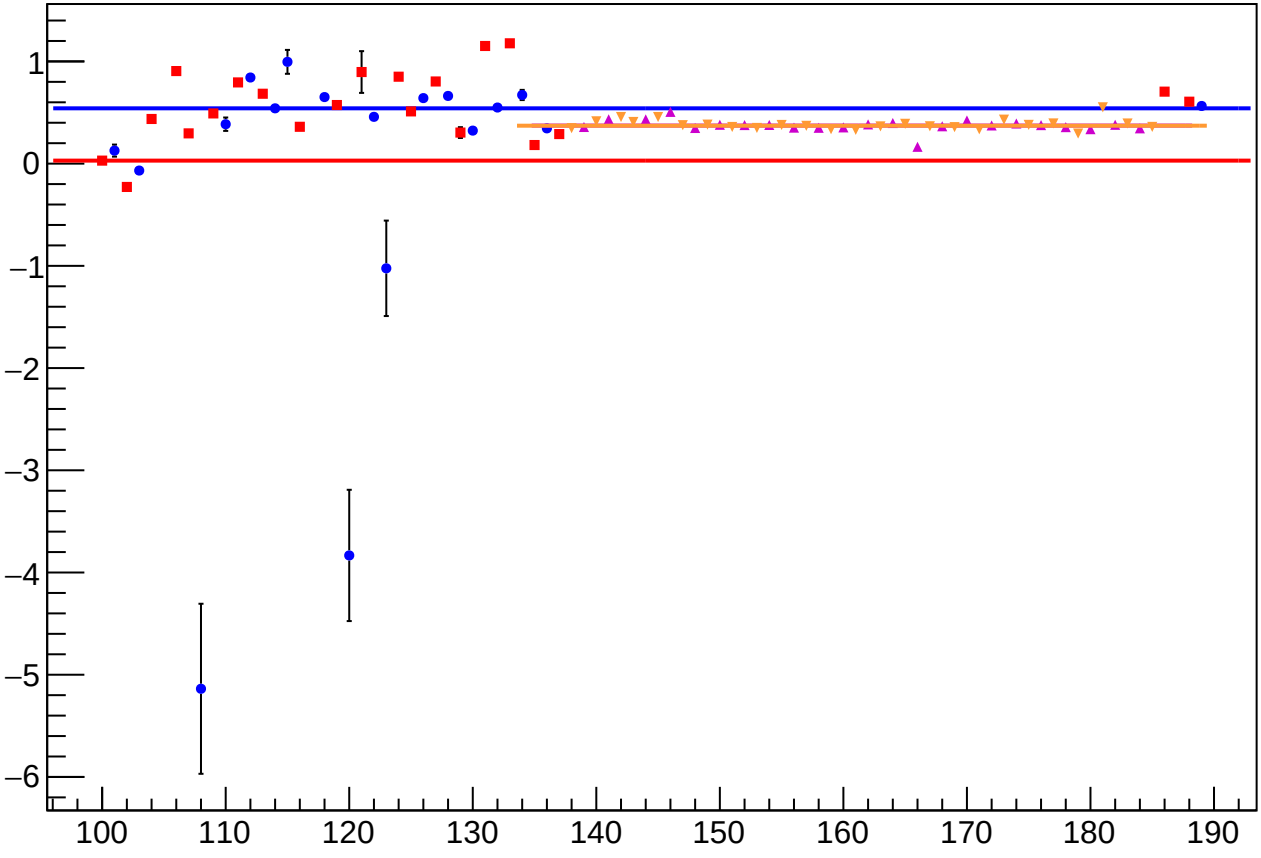
Left In: -95.301+/-0.033 $\chi^2$/NDF:11271.5/22

+ sign -74.974+/-0.000 $\chi^2$/NDF: 428579.1/42

All: -74.974+/-0.000 $\chi^2$/NDF: 3286652.0/86

- sign -100.291+/-0.015 $\chi^2$/NDF: 122042.1/43

# dit_sam8_11X12X_slope vs Slug




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

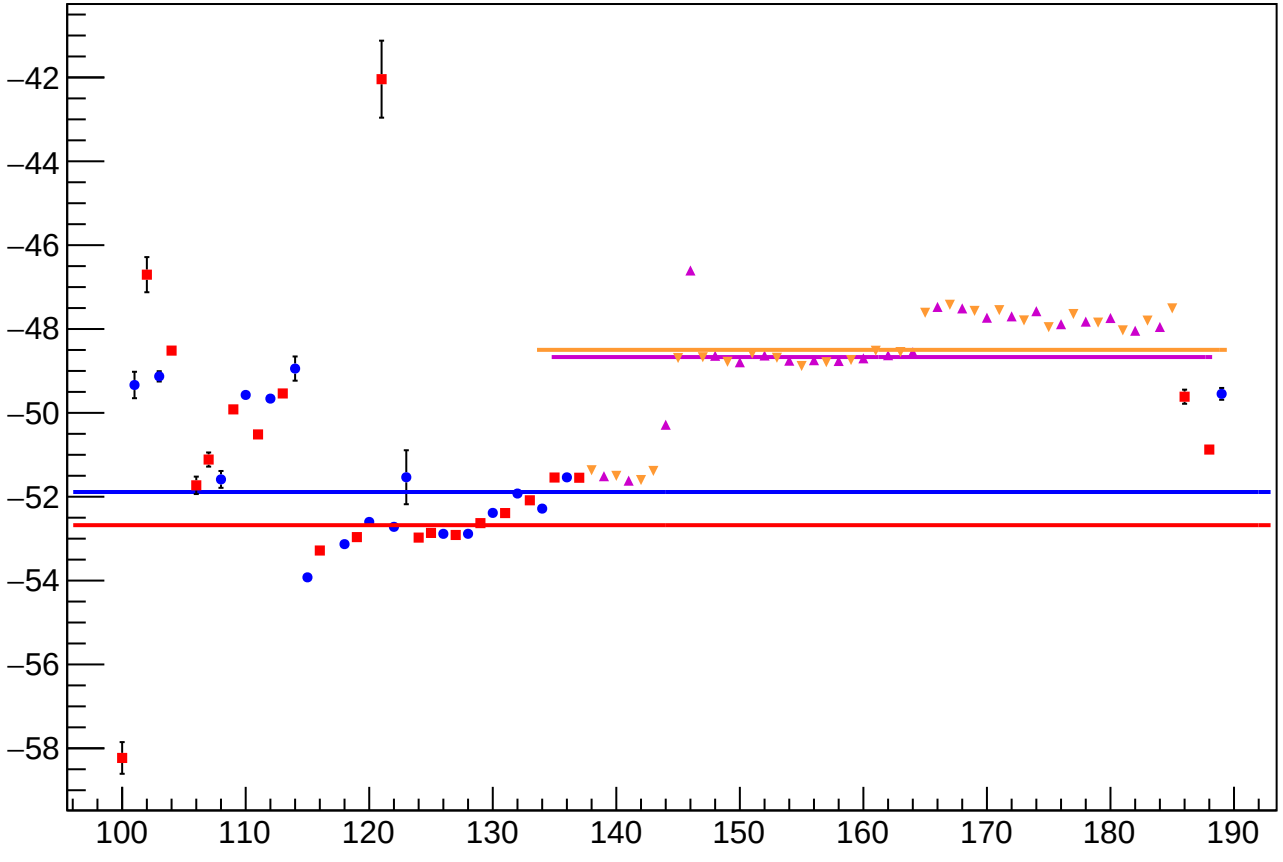
Left In: 0.372+/-0.000 $\chi^2$/NDF:6020.6/22

+ sign 0.541+/-0.000 $\chi^2$/NDF: 247292.9/42

All: 0.030+/-0.000 $\chi^2$/NDF: 2331429770096

- sign 0.030+/-0.000 $\chi^2$/NDF: 1364781.0/43

# dit_sam8_4aY_slope vs Slug




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

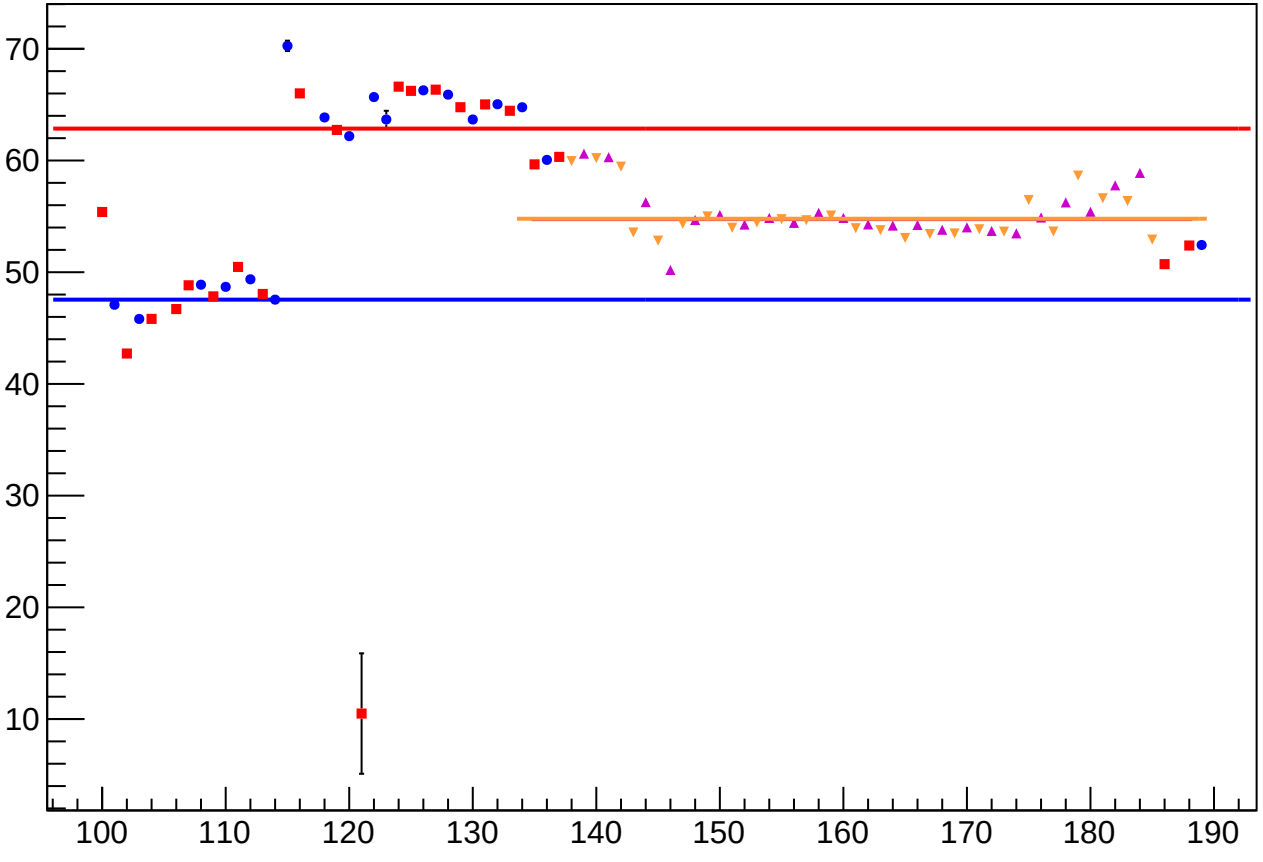
Left In: -48.669+/-0.001 $\chi^2$/NDF:809321.2/22

+ sign -49.128+/-0.001 $\chi^2$/NDF: 2662587.8/42

All: -49.136+/-0.001 $\chi^2$/NDF: 5699756.1/86

- sign -49.143+/-0.001 $\chi^2$/NDF: 3037037.5/43

# dit_sam8_4eY_slope vs Slug




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

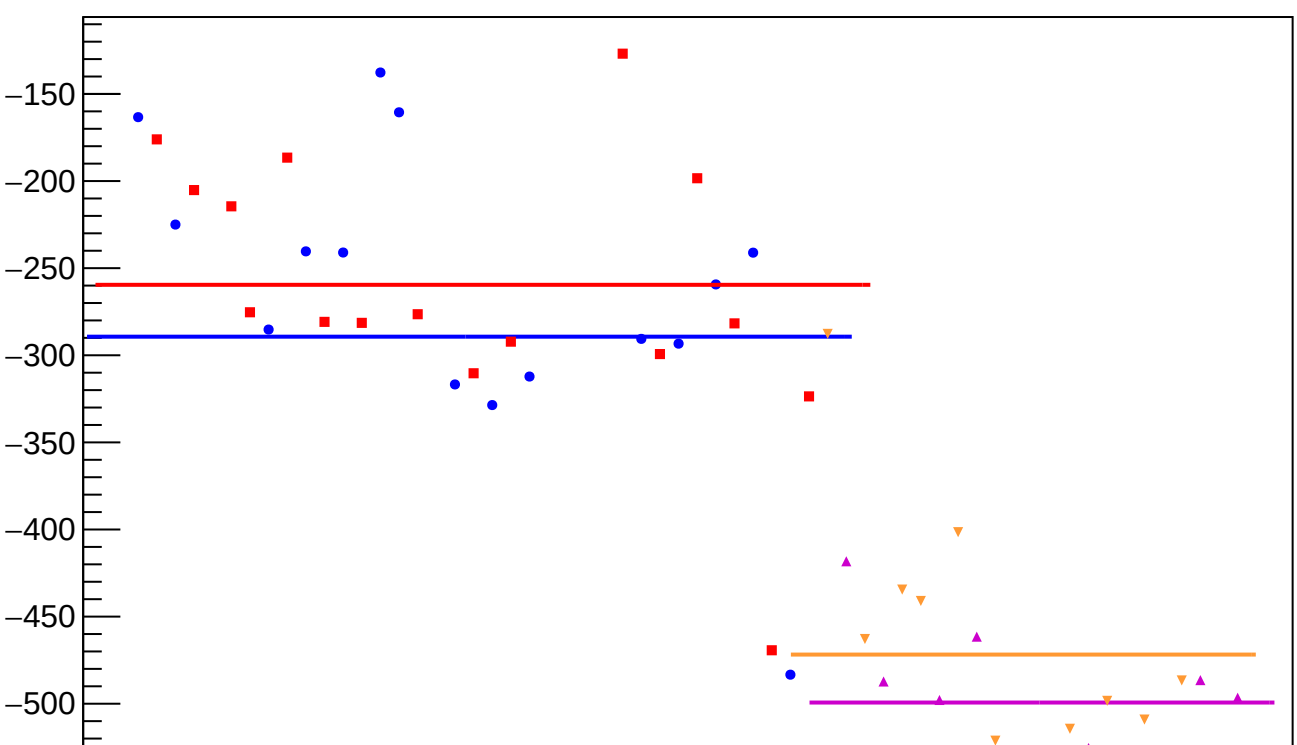
Left In: 54.755+/-0.003 $\chi^2$/NDF:100763.3/22

+ sign 47.545+/-0.000 $\chi^2$/NDF: 9953883.7/42

All: 47.545+/-0.000 $\chi^2$/NDF: 22381728.9/86

- sign 55.651+/-0.002 $\chi^2$/NDF: 1549549.9/43

# dit_4aX_coil1_mean vs Slug




Right In: -289.322+/-0.000 $\chi^2$/NDF: 536968164048489147864958539218393497 6.0/14

+ sign -396.025+/-0.000 $\chi^2$/NDF: 22413307403279

Left Out: -471.791+/-0.000 $\chi^2$/NDF:4407577357733372304653153526381281280.0/11

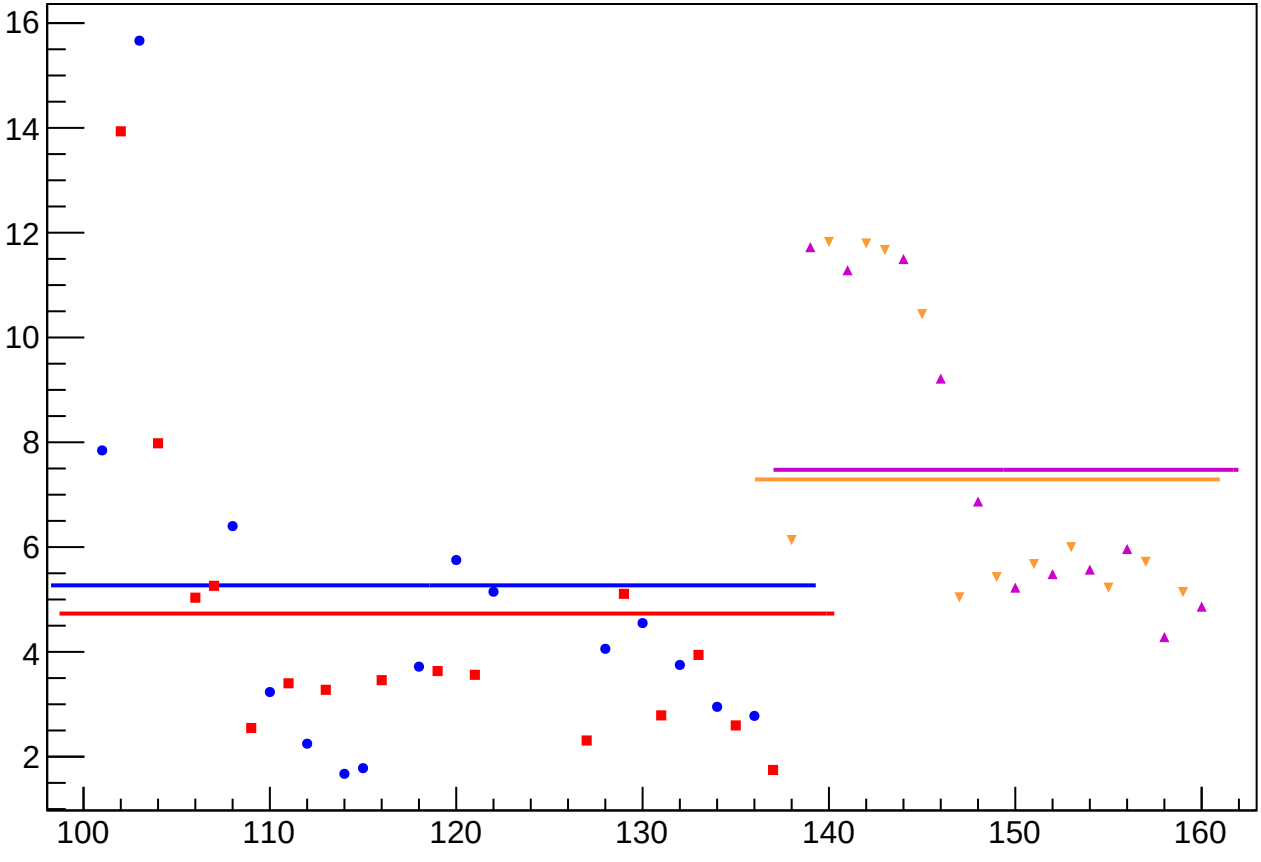
All: -397.428+/-0.000 $\chi^2$/NDF: 50007078016

Right Out: -259.558+/-0.000 $\chi^2$/NDF: 42998867926921239707845639837707 14112.0/15

- sign -398.805+/-0.000 $\chi^2$/NDF: 27587676580489 4

Left In: -499.323+/-0.000 $\chi^2$/NDF:10187894616066444101072217184655 11424.0/10

# dit_4aX_coil1_err_mean vs Slug




Right In: 5.270+/-0.000 $\chi^2$/NDF: 8709683292123798330550906790084608.0/14

Left Out: 7.291+/-0.000 $\chi^2$/NDF:671805351517286388583643235116646 4.0/11

Right Out: 4.732+/-0.000 $\chi^2$/NDF: 685689307257521156280228142645248 0.0/15

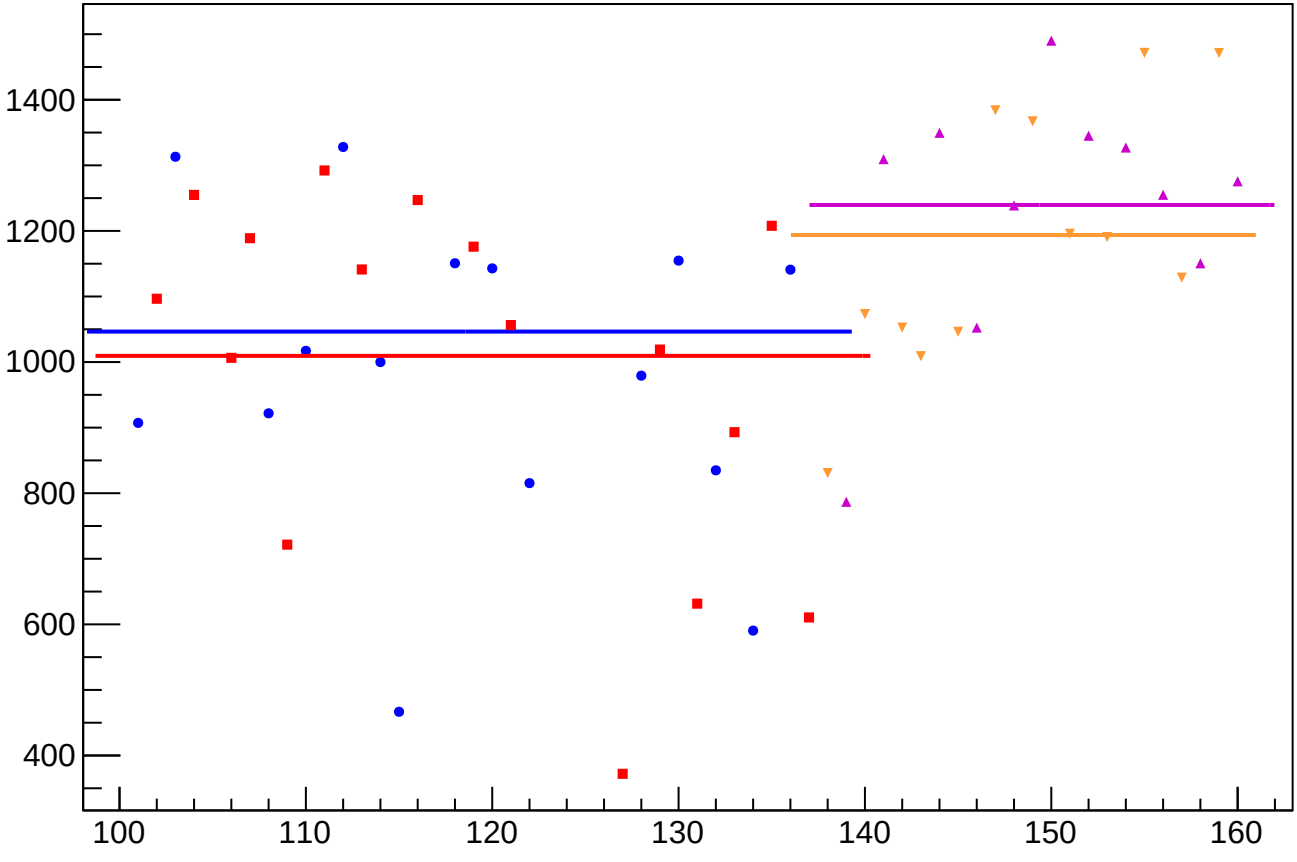
Left In: 7.475+/-0.000 $\chi^2$/NDF:705781213939957953887024455037747 2.0/10

+ sign 6.452+/-0.000 $\chi^2$/NDF: 1697855997373560 0

All: 6.388+/-0.000 $\chi^2$/NDF: 3382091542103 2

- sign 6.325+/-0.000 $\chi^2$/NDF: 1682963630535428 1

# dit_4aX_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

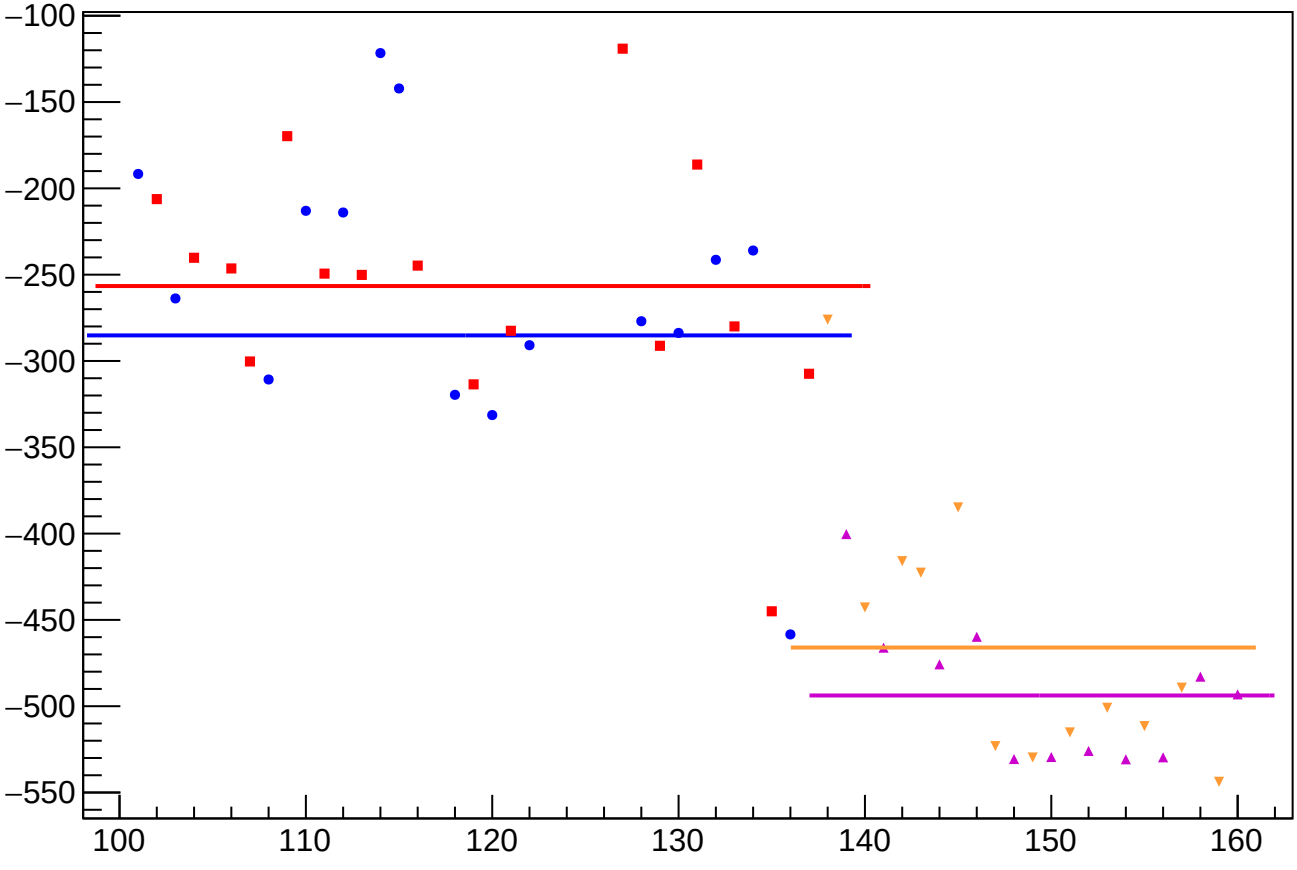
Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

# dit_4eX_coil1_mean vs Slug




Right In: -285.187+/-0.000 $\chi^2$/NDF: 447958526285354983809252192129174732 8.0/14

Left Out: -466.012+/-0.000 $\chi^2$/NDF:5190970068830574132794472761412026368.0/11

Right Out: -256.599+/-0.000 $\chi^2$/NDF: 364827153597103916595260256319176704 0.0/15

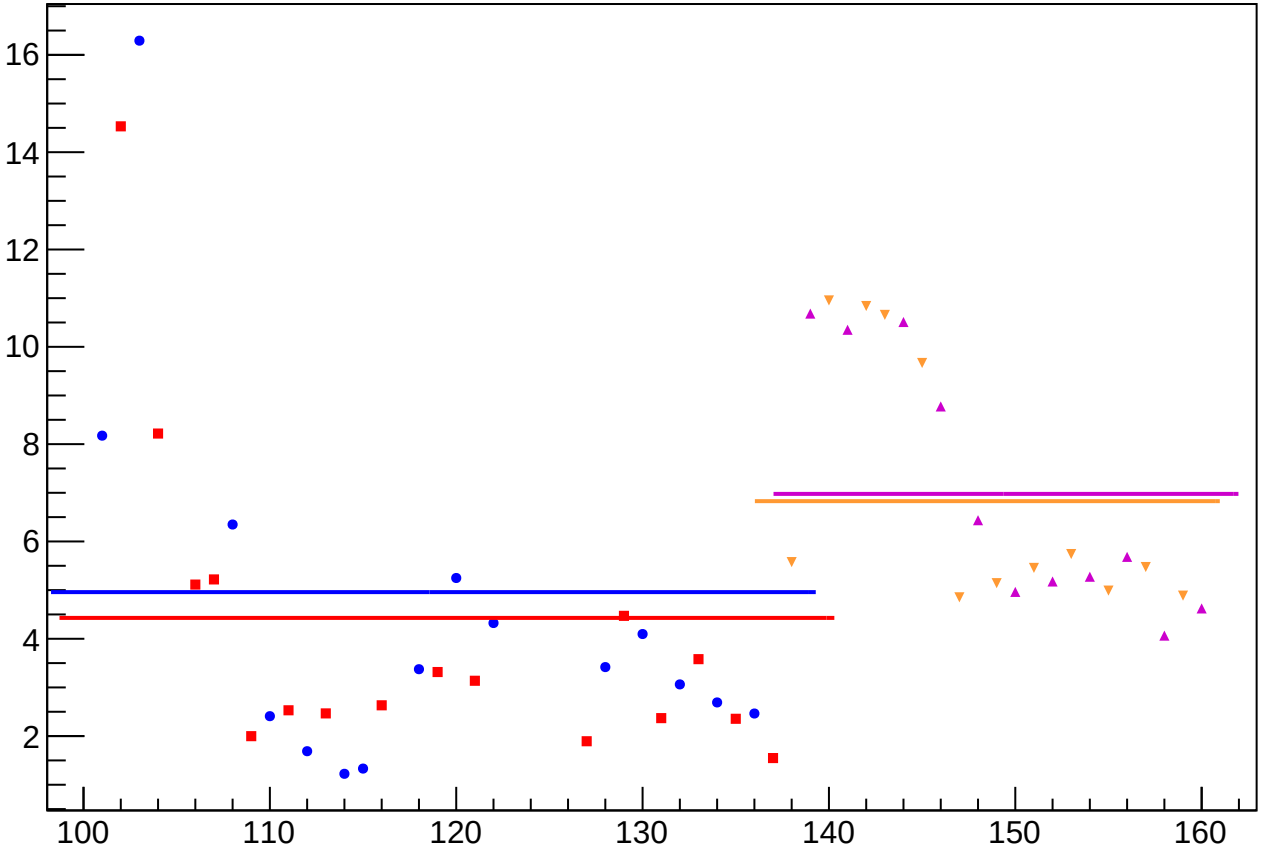
Left In: -493.780+/-0.000 $\chi^2$/NDF:1451794731277142230901460532226686976.0/10

+ sign -390.928+/-0.000 $\chi^2$/NDF: 22079891664929

All: -392.652+/-0.000 $\chi^2$/NDF: 4898061305 9

- sign -394.346+/-0.000 $\chi^2$/NDF: 26891512652234 9

# dit_4eX_coil1_err_mean vs Slug




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

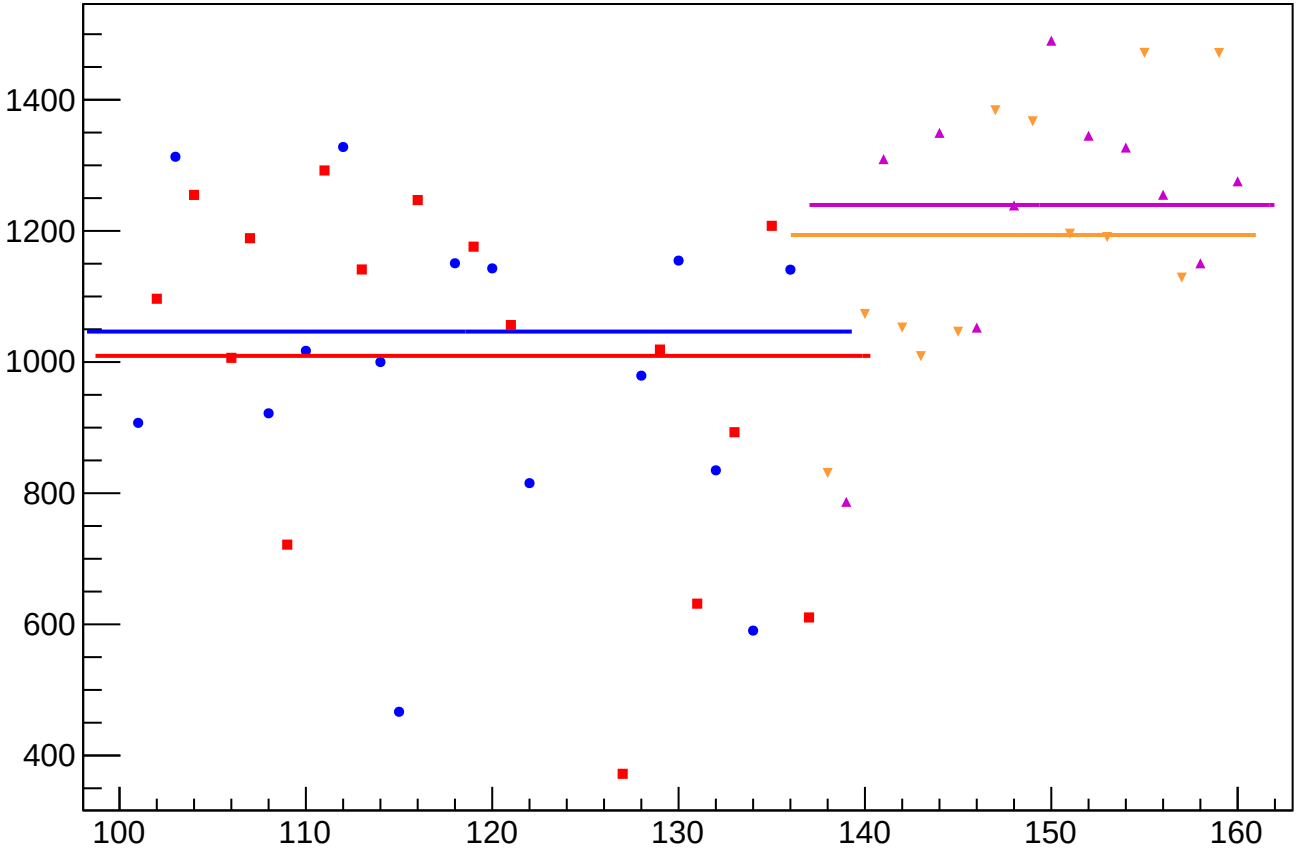
Left In: 6.978+/-0.000 $\chi^2$/NDF:5622697014277754941158413236699136.0/10

+ sign 6.052+/-0.000 $\chi^2$/NDF: 17165819902724187

All: 5.980+/-0.000 $\chi^2$/NDF: 3369237121731 7

- sign 5.909+/-0.000 $\chi^2$/NDF: 16510437517508147

# dit_4eX_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

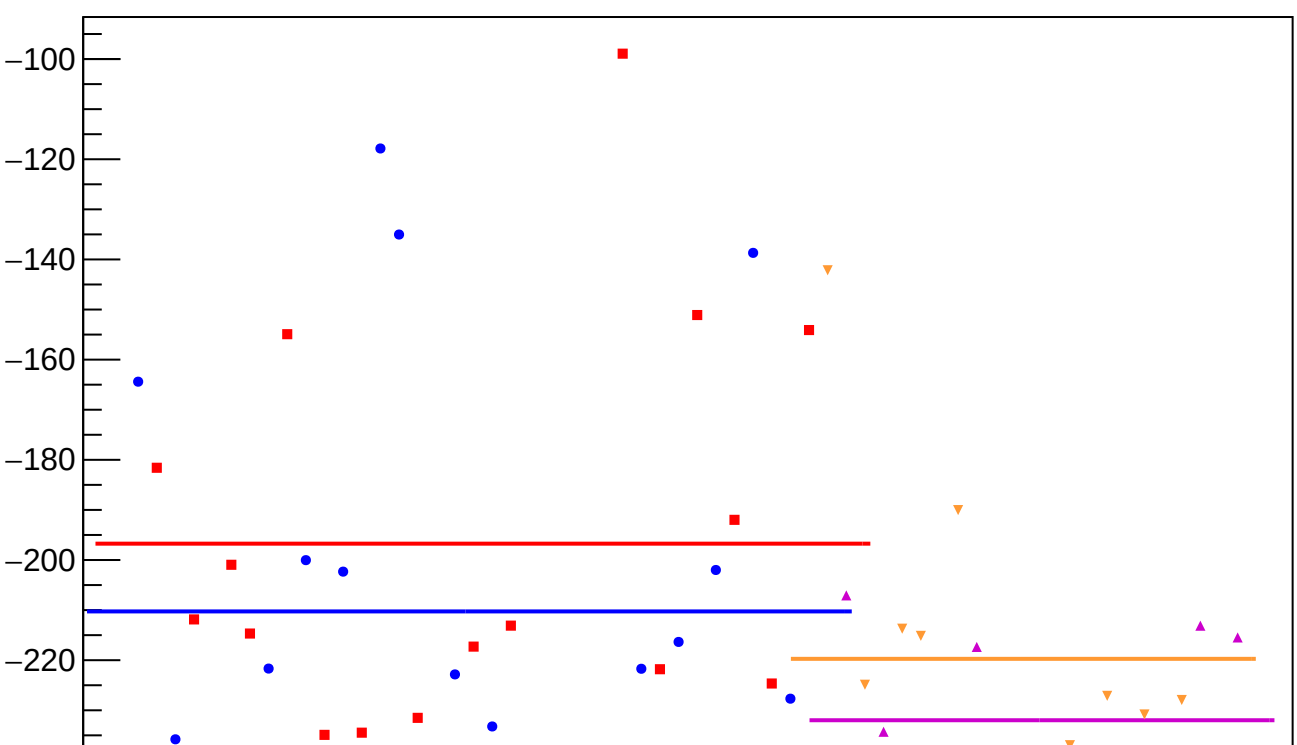
Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

# dit_11X12X_coil1_mean vs Slug




Right In: -210.261+/-0.000 $\chi^2$/NDF: 5677110765680684091924677004948930 56.0/14

+ sign -215.798+/-0.000 $\chi^2$/NDF: 12928194150556

Left Out: -219.729+/-0.000 $\chi^2$/NDF:691090878567021644145539364306288640.0/11

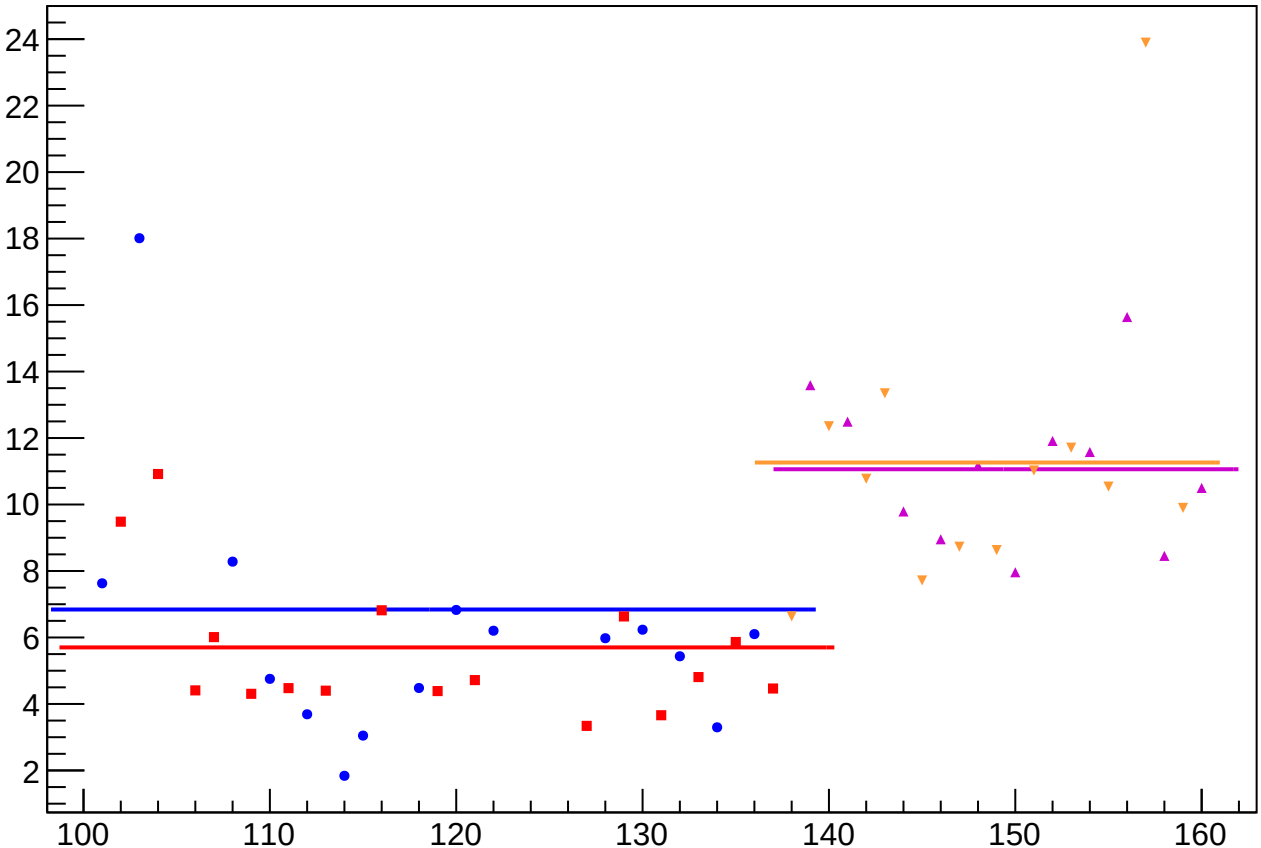
All: -216.509+/-0.000 $\chi^2$/NDF: 2868258790 5

Right Out: -196.736+/-0.000 $\chi^2$/NDF: 9095888950930448406336405147903590 40.0/15

- sign -217.208+/-0.000 $\chi^2$/NDF: 15738723291882 8

Left In: -231.985+/-0.000 $\chi^2$/NDF:18299202728040146313906510529088716 8.0/10

# dit_11X12X_coil1_err_mean vs Slug




Right In: 6.842+/-0.000 $\chi^2$/NDF: 9355934166823324467316647620771840.0/14

Left Out: 11.263+/-0.000 $\chi^2$/NDF:16950484304495826735526537389408256.0/11

Right Out: 5.701+/-0.000 $\chi^2$/NDF: 3174693398300953393137731791486976.0/15

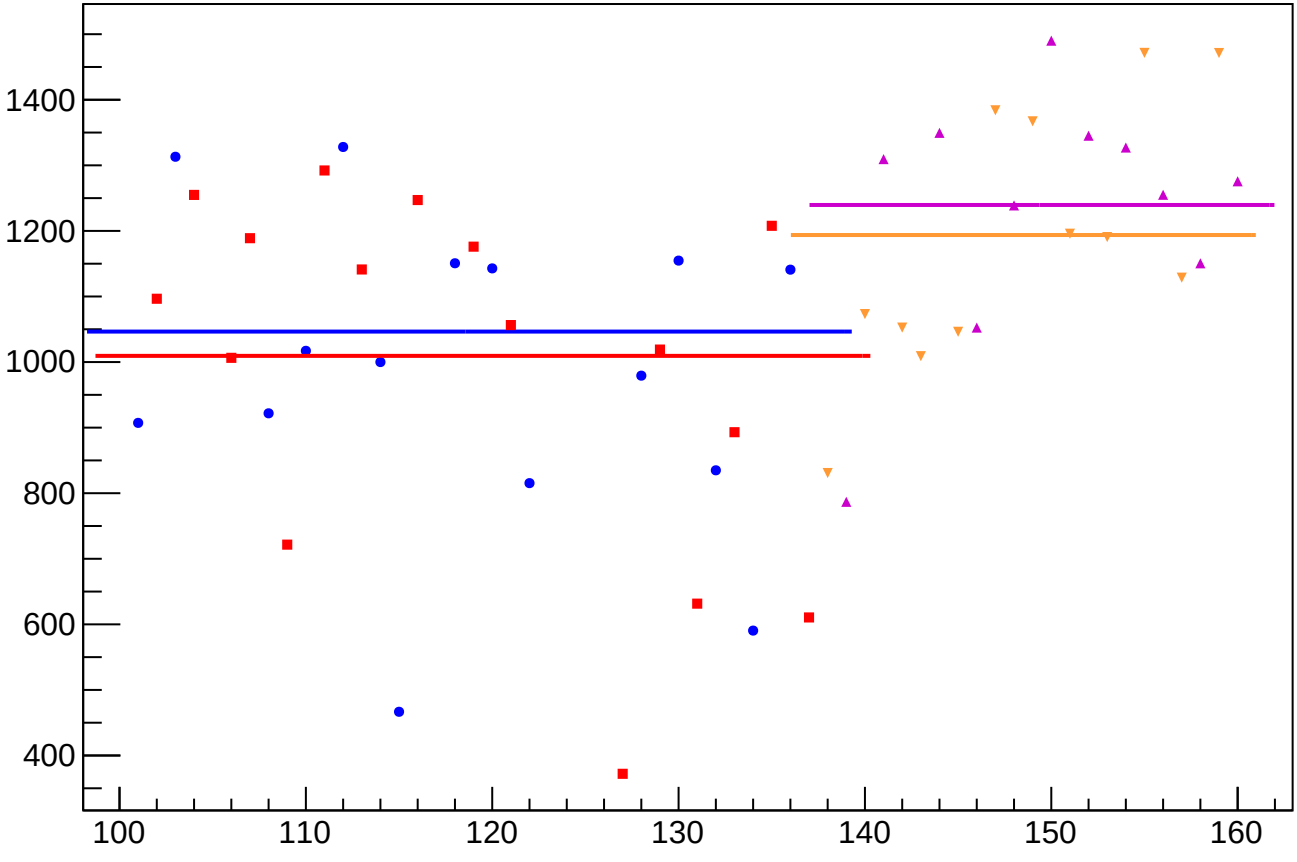
Left In: 11.061+/-0.000 $\chi^2$/NDF:4417559387784954400311933713514496.0/10

+ sign 9.427+/-0.000 $\chi^2$/NDF: 3372642652062640

All: 9.118+/-0.000 $\chi^2$/NDF: 5274298923072

- sign 8.814+/-0.000 $\chi^2$/NDF: 1871995538454847

# dit_11X12X_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

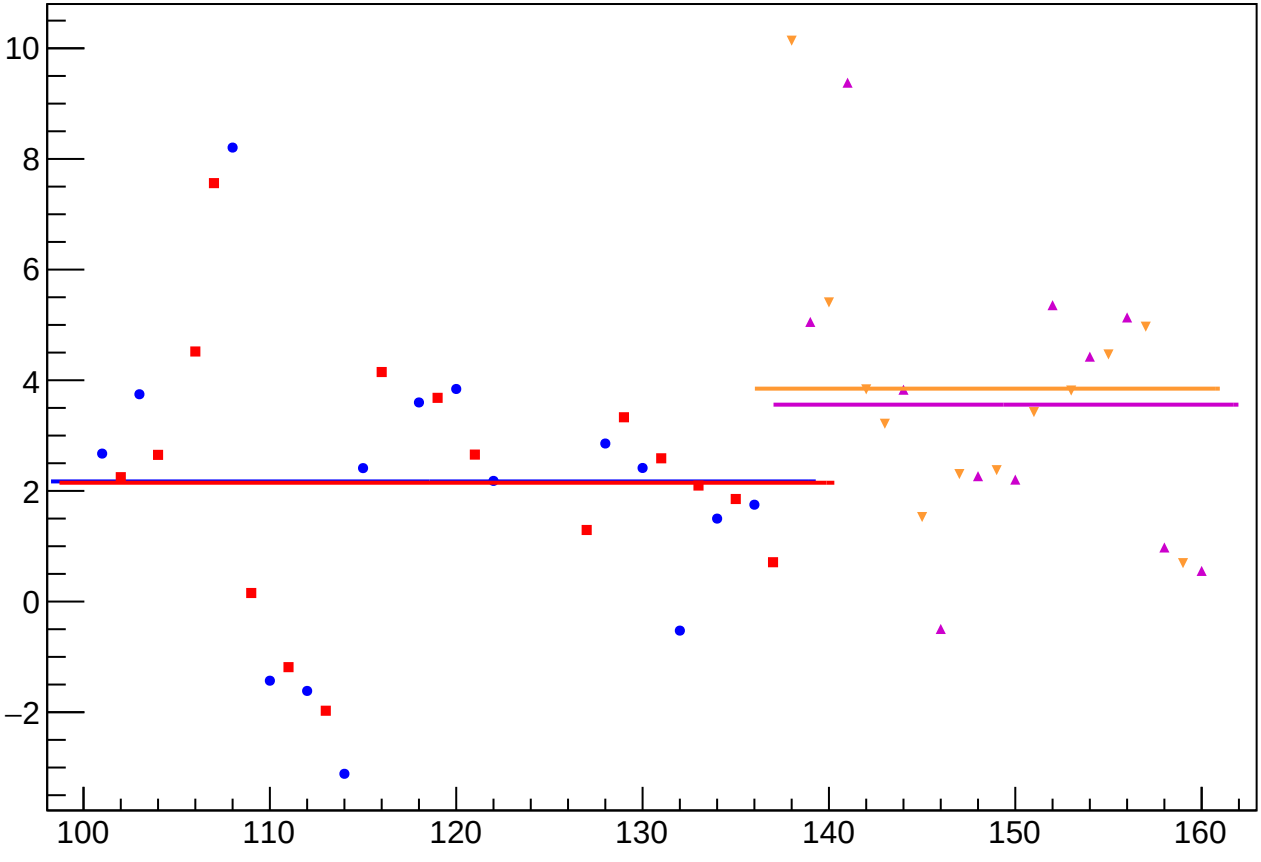
Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

# dit_4aY_coil1_mean vs Slug




Right In: 2.171+/-0.000 $\chi^2$/NDF: 35998192469099756784104996916428 80.0/14

Left Out: 3.848+/-0.000 $\chi^2$/NDF:503959945758893675940636016613785 6.0/11

Right Out: 2.148+/-0.000 $\chi^2$/NDF: 309388733623937895960632193187840 0.0/15

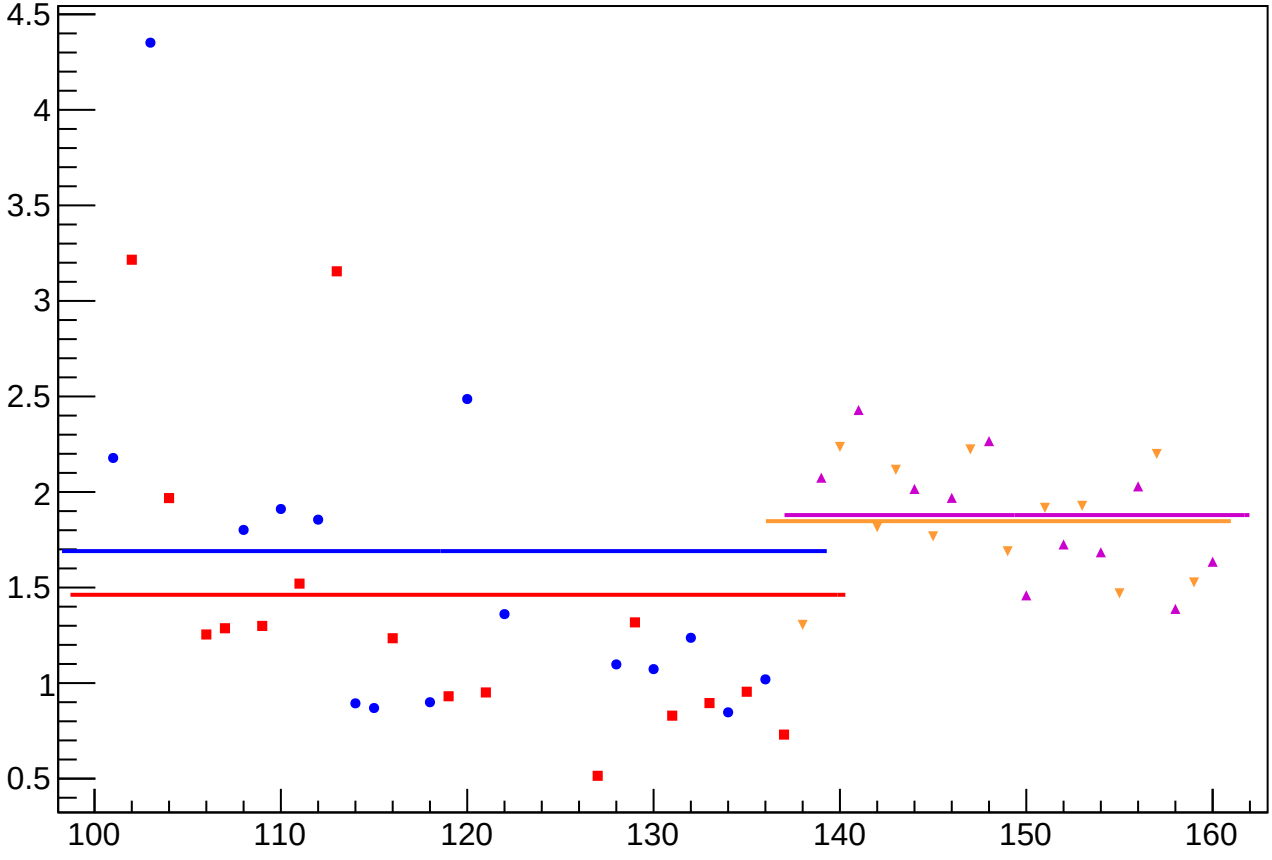
Left In: 3.559+/-0.000 $\chi^2$/NDF:649266734510996254065216575871385 6.0/10

+ sign 3.152+/-0.000 $\chi^2$/NDF: 9706740430384465 2

All: 3.059+/-0.000 $\chi^2$/NDF: 2009161690014 0

- sign 2.967+/-0.000 $\chi^2$/NDF: 1035792346167818 0

# dit_4aY_coil1_err_mean vs Slug




Right In: 1.691+/-0.000 $\chi^2$/NDF: 61216339331760985967407941235507 2.0/14

Left Out: 1.847+/-0.000 $\chi^2$/NDF:84162850183102511254837045231616.0/11

Right Out: 1.462+/-0.000 $\chi^2$/NDF: 44438451166251904002237175483596 8.0/15

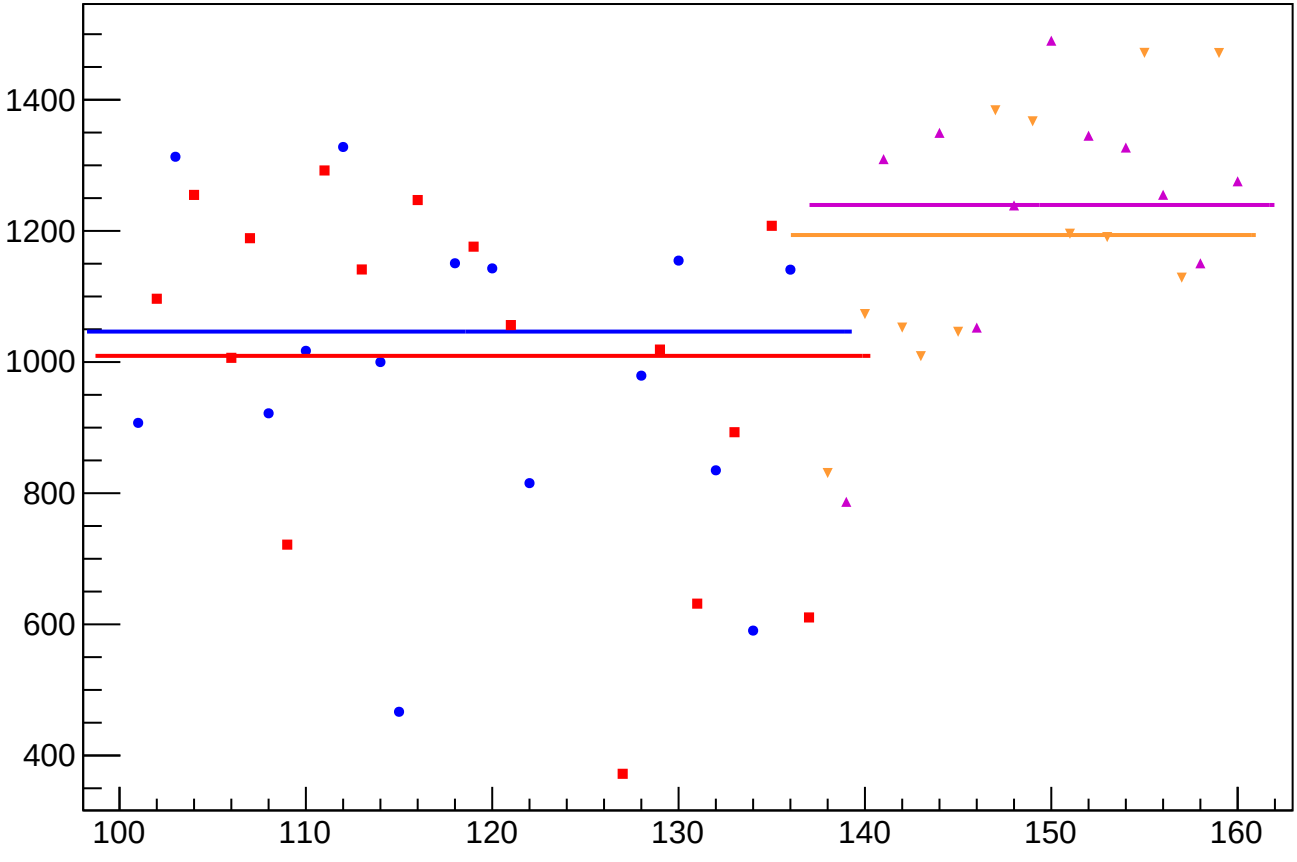
Left In: 1.879+/-0.000 $\chi^2$/NDF:90968052268112309617342982127616.0/10

+ sign 1.782+/-0.000 $\chi^2$/NDF: 7056481563225870 1

All: 1.743+/-0.000 $\chi^2$/NDF: 1313220914474 7

- sign 1.704+/-0.000 $\chi^2$/NDF: 6027735190939702 5

# dit_4aY_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

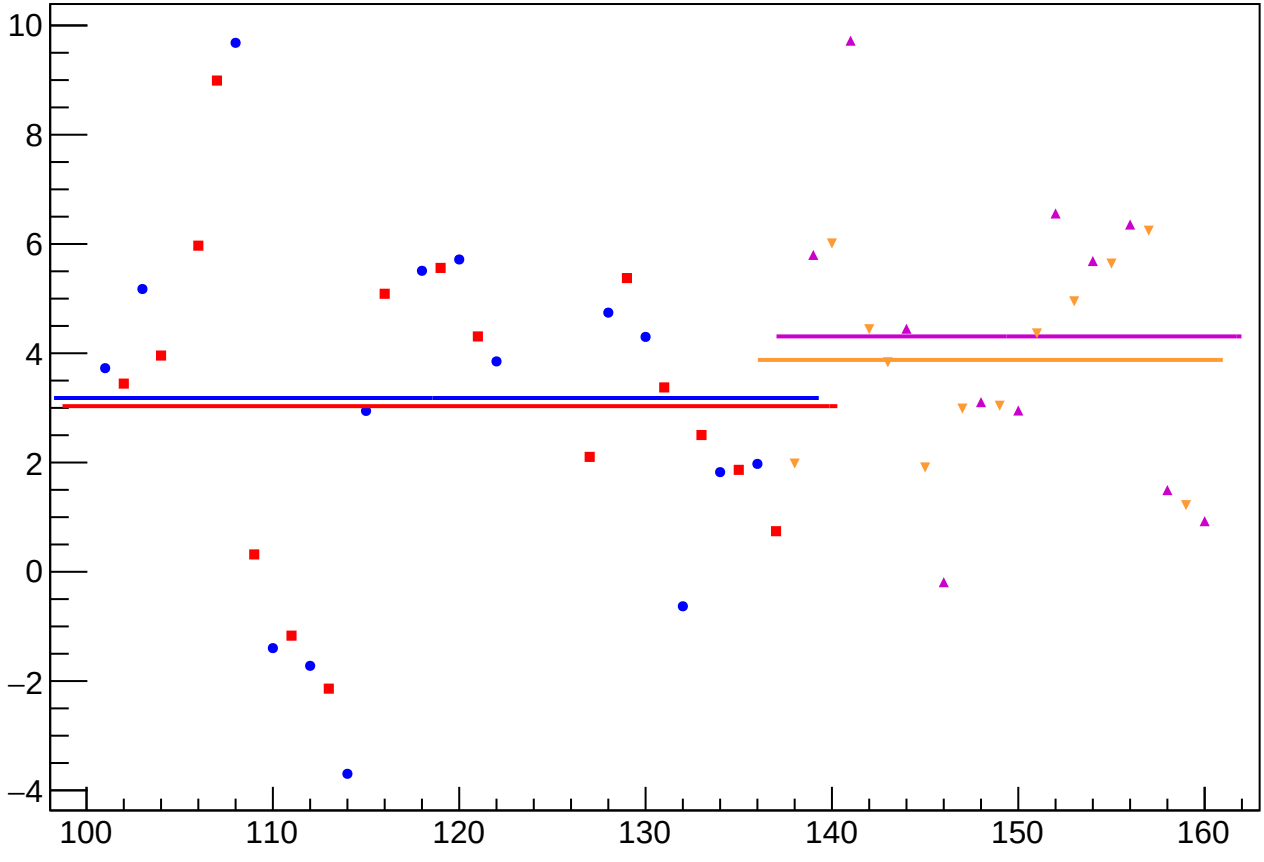
Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

# dit_4eY_coil1_mean vs Slug




Right In: 3.181+/-0.000 $\chi^2$/NDF: 583330322786825261770456639419187 2.0/14

+ sign 3.589+/-0.000 $\chi^2$/NDF: 8481178719406326 3

Left Out: 3.878+/-0.000 $\chi^2$/NDF:246358464028915850445921989741772 8.0/11

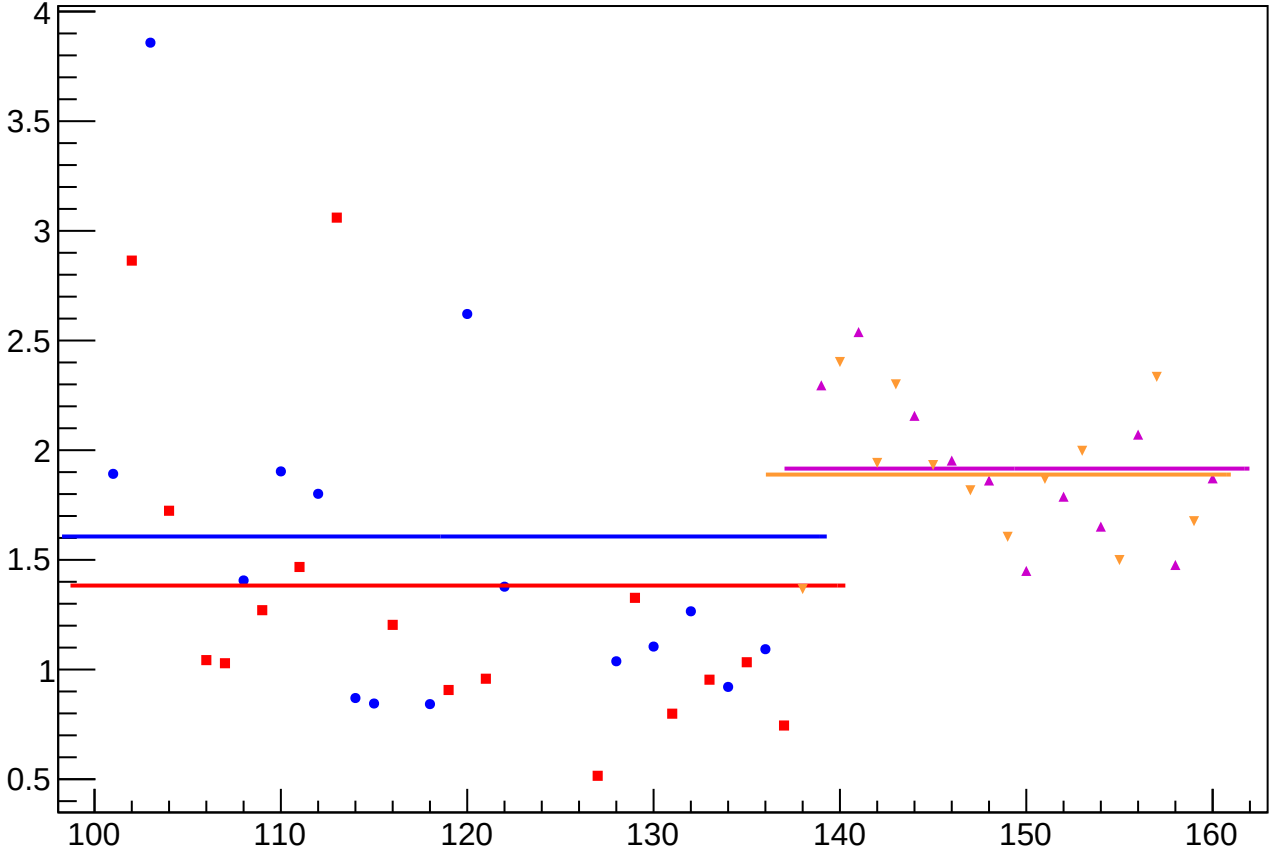
All: 3.682+/-0.000 $\chi^2$/NDF: 2115006474861 8

Right Out: 3.032+/-0.000 $\chi^2$/NDF: 493720983137179394549654683333427 2.0/15

- sign 3.773+/-0.000 $\chi^2$/NDF: 1264203955766305 5

Left In: 4.308+/-0.000 $\chi^2$/NDF:707349566769428035180316810700390 4.0/10

# dit_4eY_coil1_err_mean vs Slug




Right In: 1.607+/-0.000 $\chi^2$/NDF: 46094962864014818418120573583360 0.0/14

Left Out: 1.889+/-0.000 $\chi^2$/NDF:9409732606406618817758724148428 8.0/11

Right Out: 1.383+/-0.000 $\chi^2$/NDF: 3583488970162862009576503377920 00.0/15

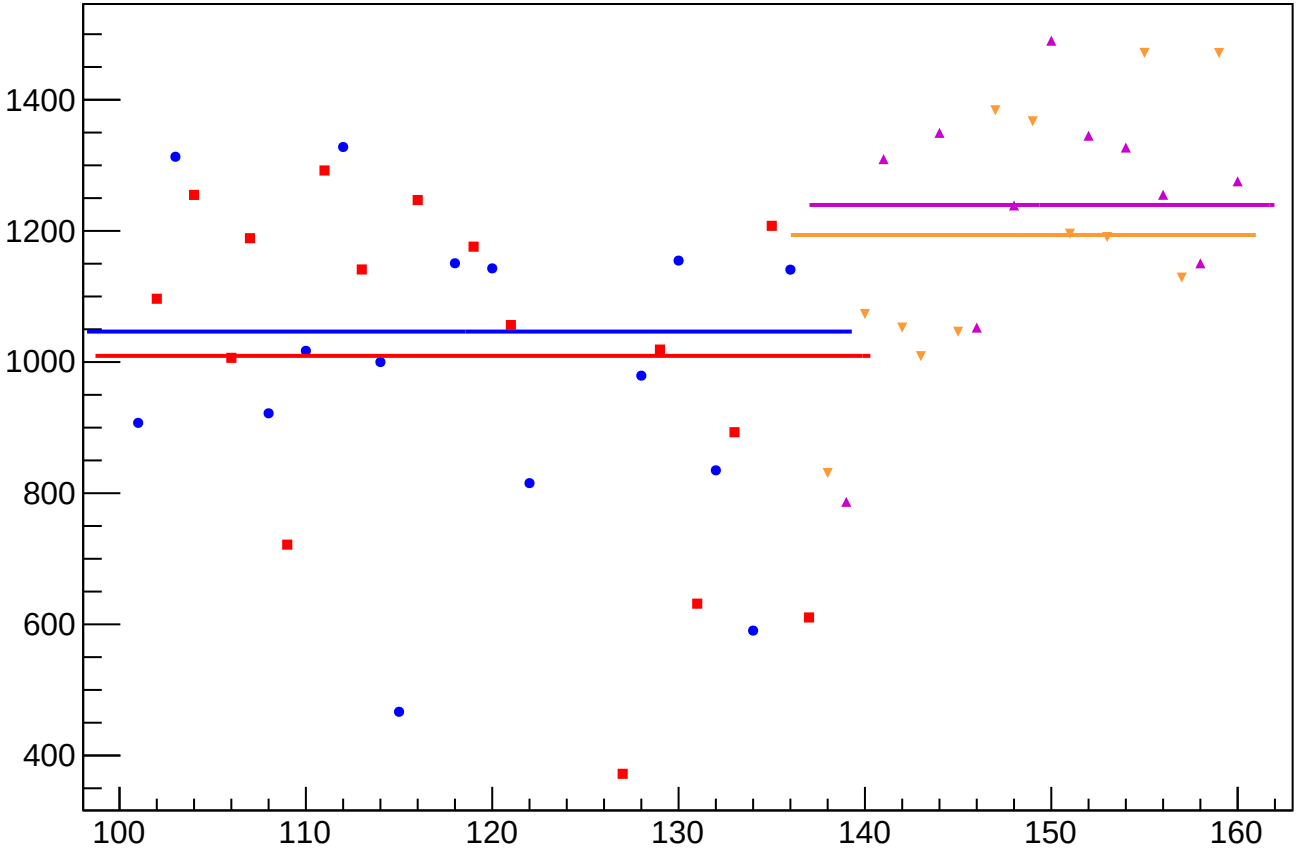
Left In: 1.916+/-0.000 $\chi^2$/NDF:952765158090162098756996919459 84.0/10

+ sign 1.772+/-0.000 $\chi^2$/NDF: 5852917526076302 2

All: 1.732+/-0.000 $\chi^2$/NDF: 1153974995120 4

- sign 1.693+/-0.000 $\chi^2$/NDF: 5637459610946310 5

# dit_4eY_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

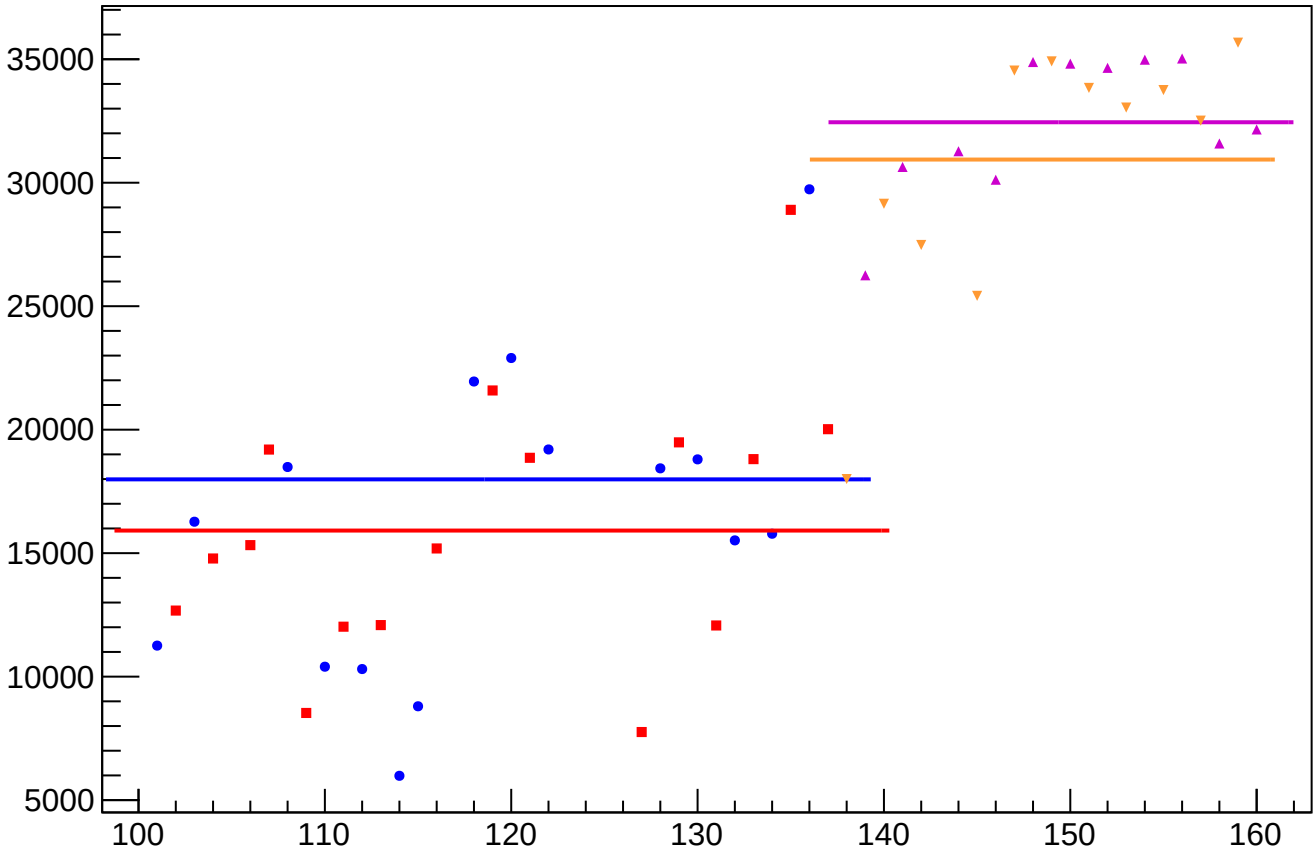
Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

# dit_usl_coil1_mean vs Slug




Right In: 17988.185+/-0.000 $\chi^2$/NDF: 2481511180998421710354400123755295250841 6.0/14

Left Out: 30938.190+/-0.000 $\chi^2$/NDF:2223120169525786977327536910002239517491 2.0/10

Right Out: 15915.227+/-0.000 $\chi^2$/NDF: 1995418967470595270704228741608722399232 0.0/15

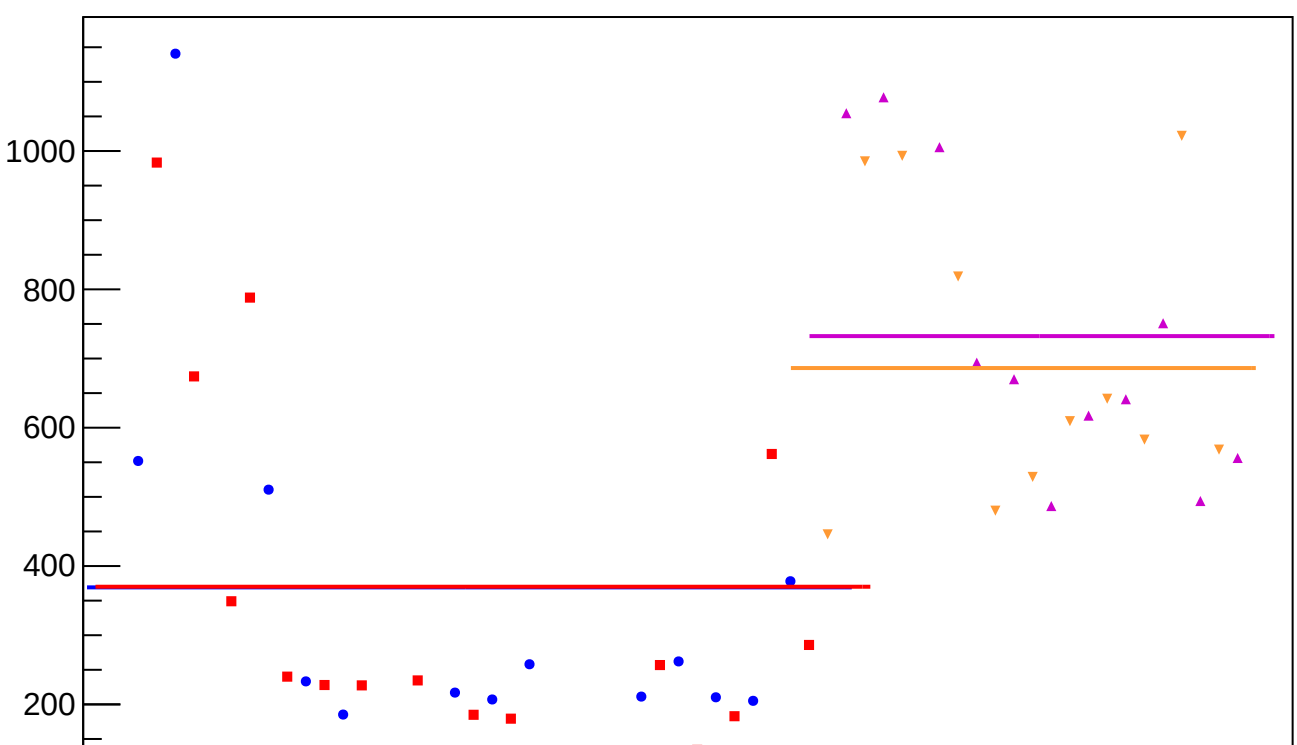
Left In: 32448.675+/-0.000 $\chi^2$/NDF:6566176061380629796456552080625585094656.0/10

+ sign 25320.173+/-0.000 $\chi^2$/NDF: 1086683983858

All: 25421.772+/-0.000 $\chi^2$/NDF: 2411086165

- sign 25517.305+/-0.000 $\chi^2$/NDF: 1324102555101

# dit_usl_coil1_err_mean vs Slug




Right In: 369.169+/-0.000 $\chi^2$/NDF: 4805303678956548599419583334137095782 4.0/14

Left Out: 686.240+/-0.000 $\chi^2$/NDF:3441723616784298376615921256251365785 6.0/10

Right Out: 370.091+/-0.000 $\chi^2$/NDF: 4821446290705210754303703712531690291 2.0/15

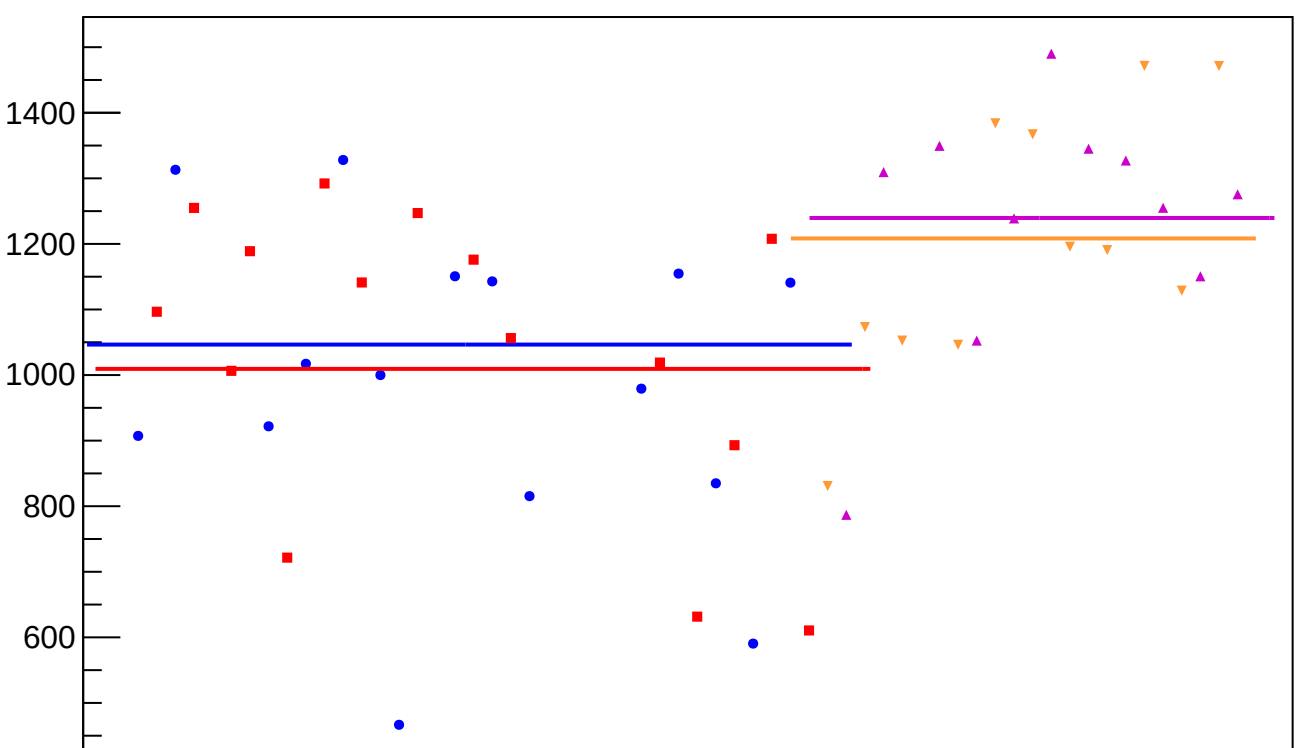
Left In: 732.414+/-0.000 $\chi^2$/NDF:3994210584052911573656959695026388992 0.0/10

+ sign 548.687+/-0.000 $\chi^2$/NDF: 119411567412423

All: 565.091+/-0.000 $\chi^2$/NDF: 25920240108 2

- sign 580.516+/-0.000 $\chi^2$/NDF: 139009735968020

# dit_usl_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Left Out: 1208.342+/-0.000 $\chi^2$/NDF:319202709490654562159551156367015280 64.0/10

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

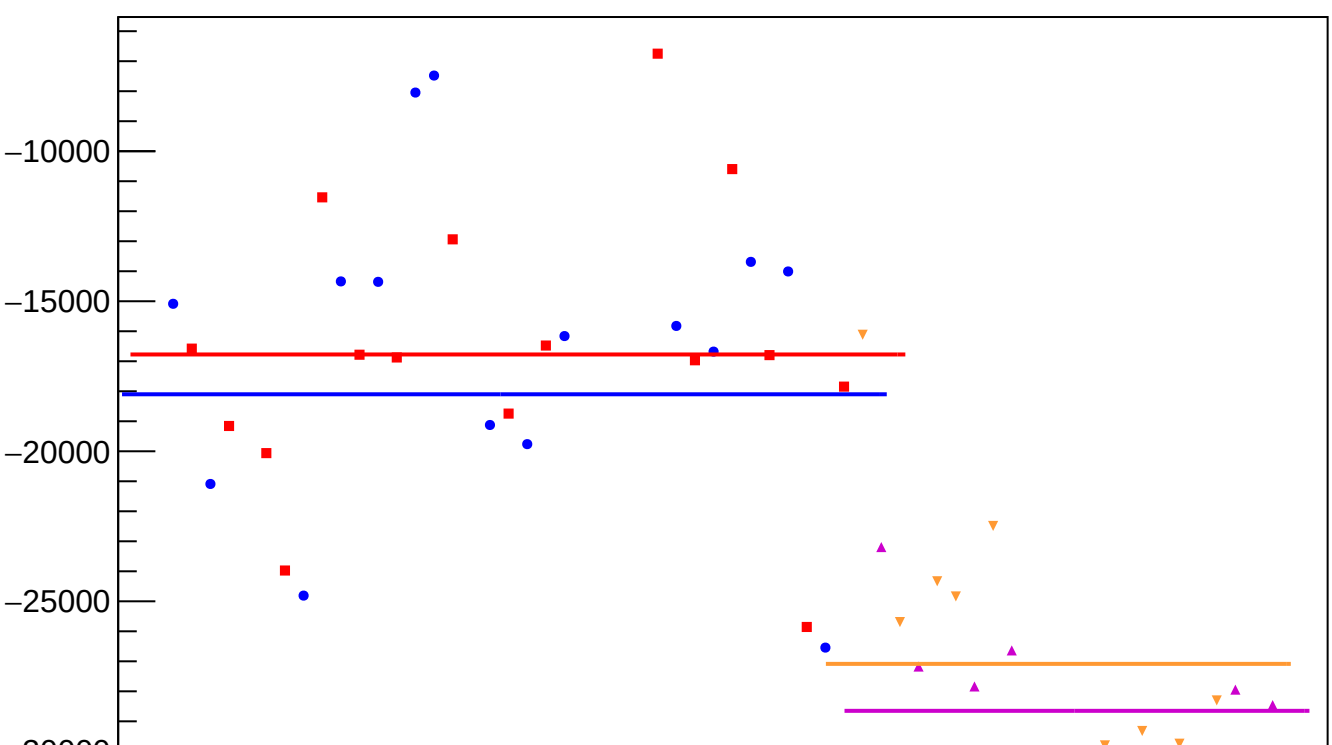
Left In: 1239.553+/-0.000 $\chi^2$/NDF:291161803304255052425940307043900456 96.0/10

+ sign 1138.127+/-0.000 $\chi^2$/NDF: 6641265069081 5

All: 1140.682+/-0.000 $\chi^2$/NDF: 1606617172 9

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

# dit_usr_coil1_mean vs Slug




Right In: -18100.637+/-0.000 $\chi^2$/NDF: 1463496754617358696763204076542869949644 8.0/14

Left Out: -27085.326+/-0.000 $\chi^2$/NDF:1691367179083000245172471305621049285017 6.0/11

Right Out: -16773.604+/-0.000 $\chi^2$/NDF: 1423454793113581227747434288656836617830 4.0/15

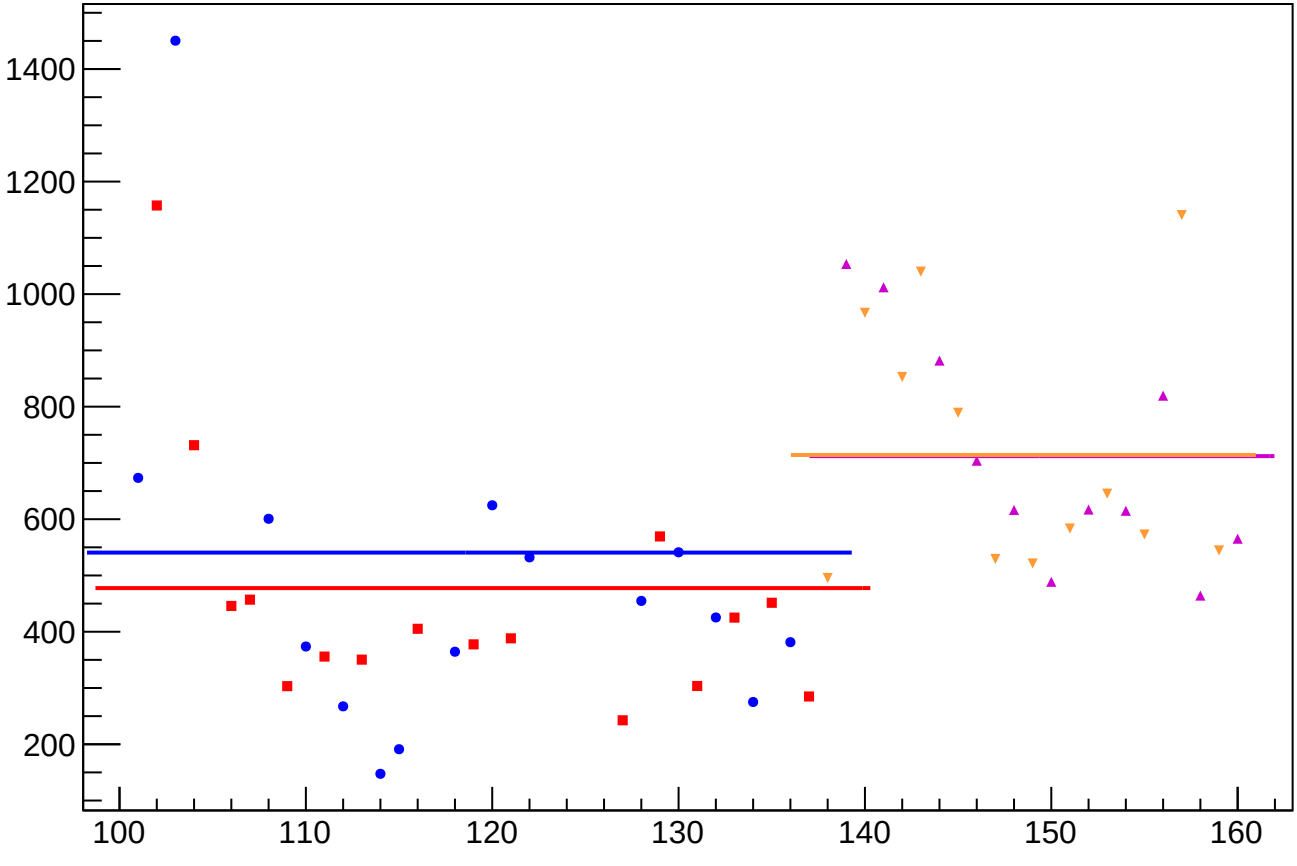
Left In: -28650.410+/-0.000 $\chi^2$/NDF:4838827535981080826725947474344765554688.0/10

+ sign -23354.640+/-0.000 $\chi^2$/NDF: 621850607090

All: -23514.355+/-0.000 $\chi^2$/NDF: 135979518

- sign -23671.259+/-0.000 $\chi^2$/NDF: 7371541854107

# dit_usr_coil1_err_mean vs Slug




Right In: 540.663+/-0.000 $\chi^2$/NDF: 64546819695986774721678785082975846400.0/14

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

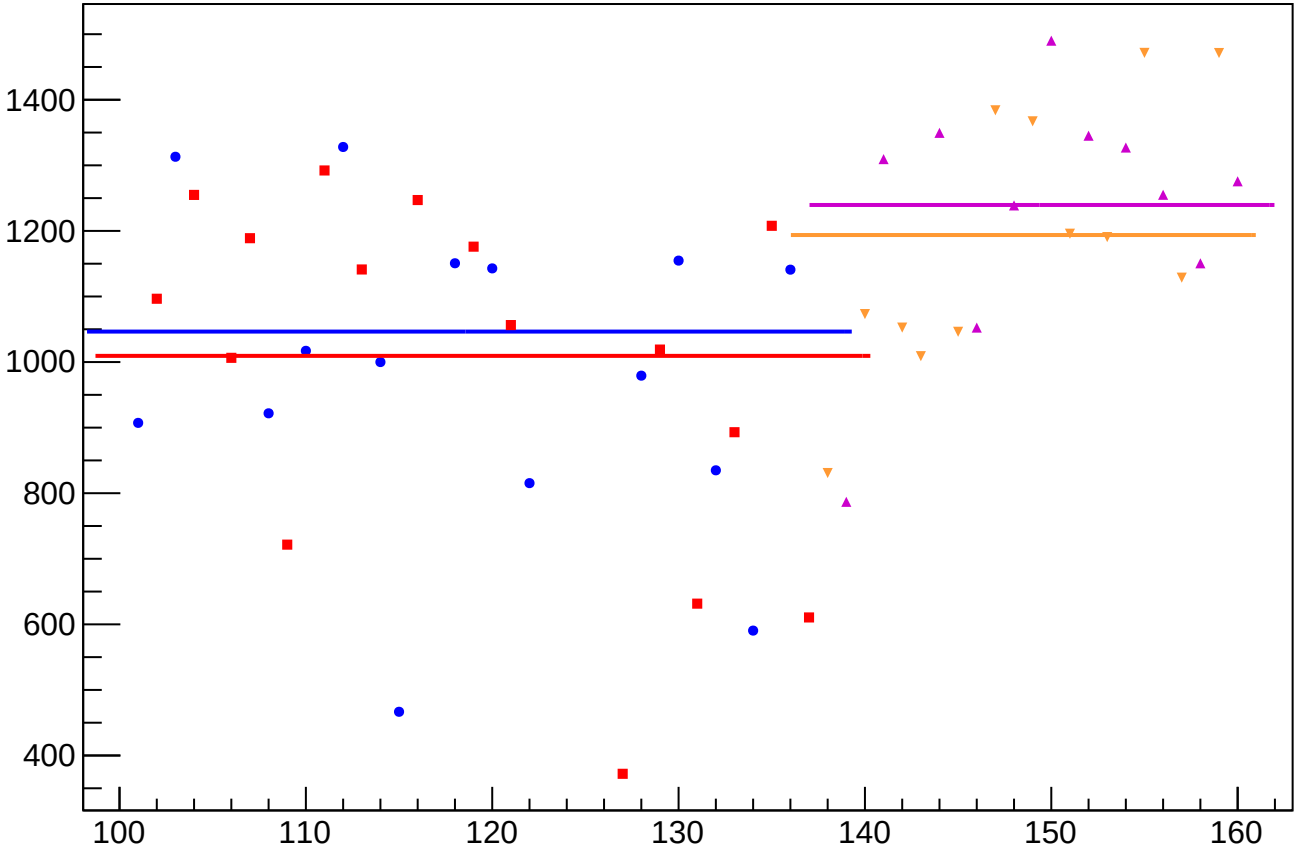
Left In: 712.092+/-0.000 $\chi^2$/NDF:3409204592050328493642785510146021785 6.0/10

+ sign 642.112+/-0.000 $\chi^2$/NDF: 1191300778027 78

All: 627.811+/-0.000 $\chi^2$/NDF: 2139641066 83

- sign 613.763+/-0.000 $\chi^2$/NDF: 942003984332138

# dit_usr_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

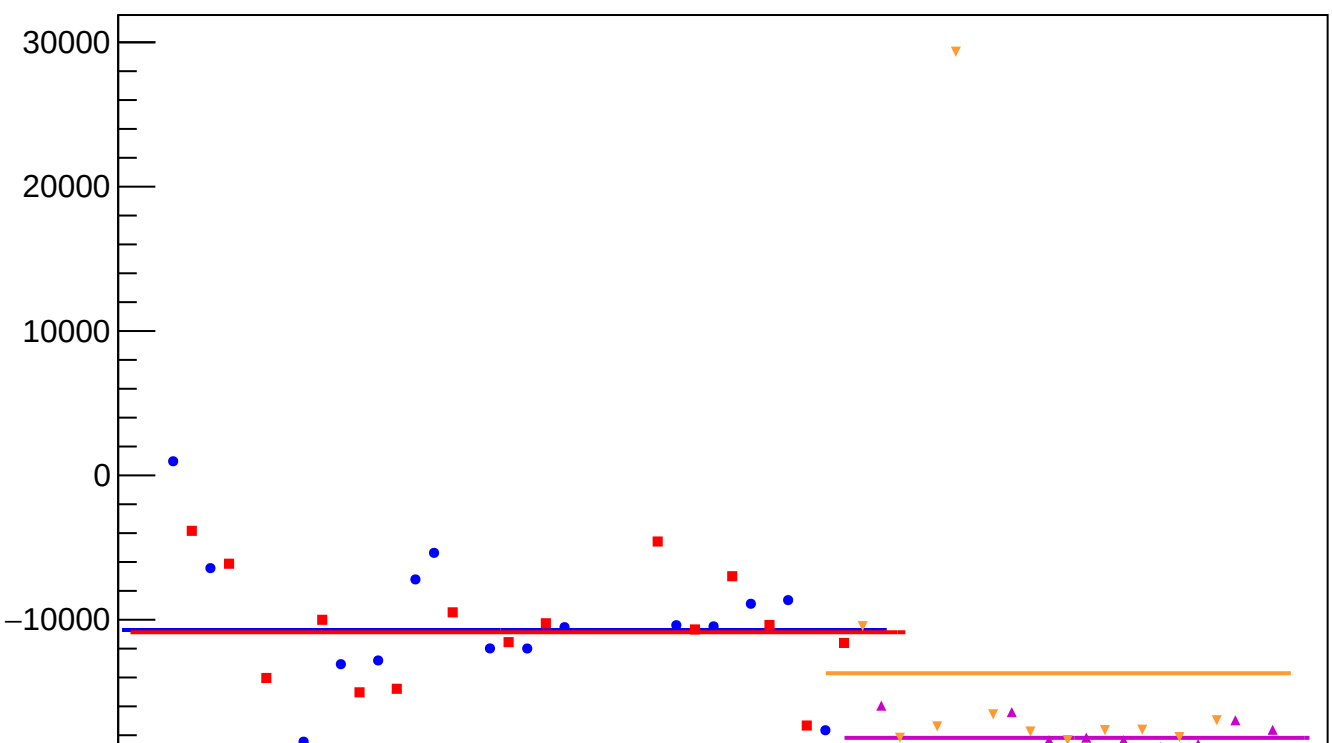
Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

# dit_atl1_coil1_mean vs Slug




Right In: -10710.292+/-0.000 $\chi^2$/NDF: 169452261520535118404826184022501705646 08.0/14

+ sign -12461.801+/-0.000 $\chi^2$/NDF: 158576463536

Left Out: -13705.488+/-0.000 $\chi^2$/NDF:138226511026527050662319693841079709204480.0/11

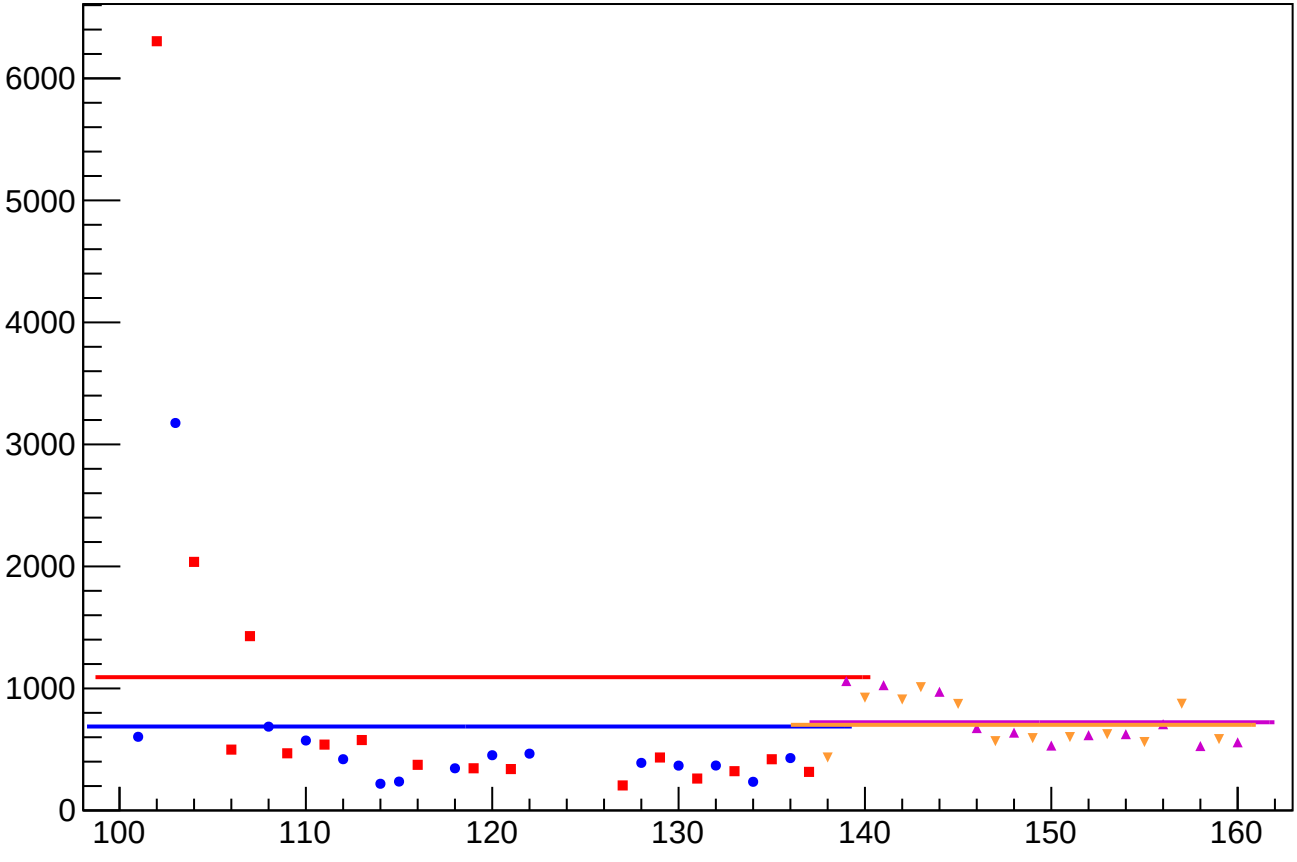
All: -13800.033+/-0.000 $\chi^2$/NDF: 200733129

Right Out: -10866.264+/-0.000 $\chi^2$/NDF: 142347628388583824845259016441316266475 52.0/15

- sign -15114.713+/-0.000 $\chi^2$/NDF: 366076884081

Left In: -18181.504+/-0.000 $\chi^2$/NDF:164361718357264786881891428916283834368 0.0/10

# dit_atl1_coil1_err_mean vs Slug




Right In: 687.939+/-0.000 $\chi^2$/NDF: 40929714110430150981775339075902478745 6.0/14

+ sign 696.059+/-0.000 $\chi^2$/NDF: 43838207845777 4

Left Out: 701.825+/-0.000 $\chi^2$/NDF:290117524522646242642824485730988851 20.0/11

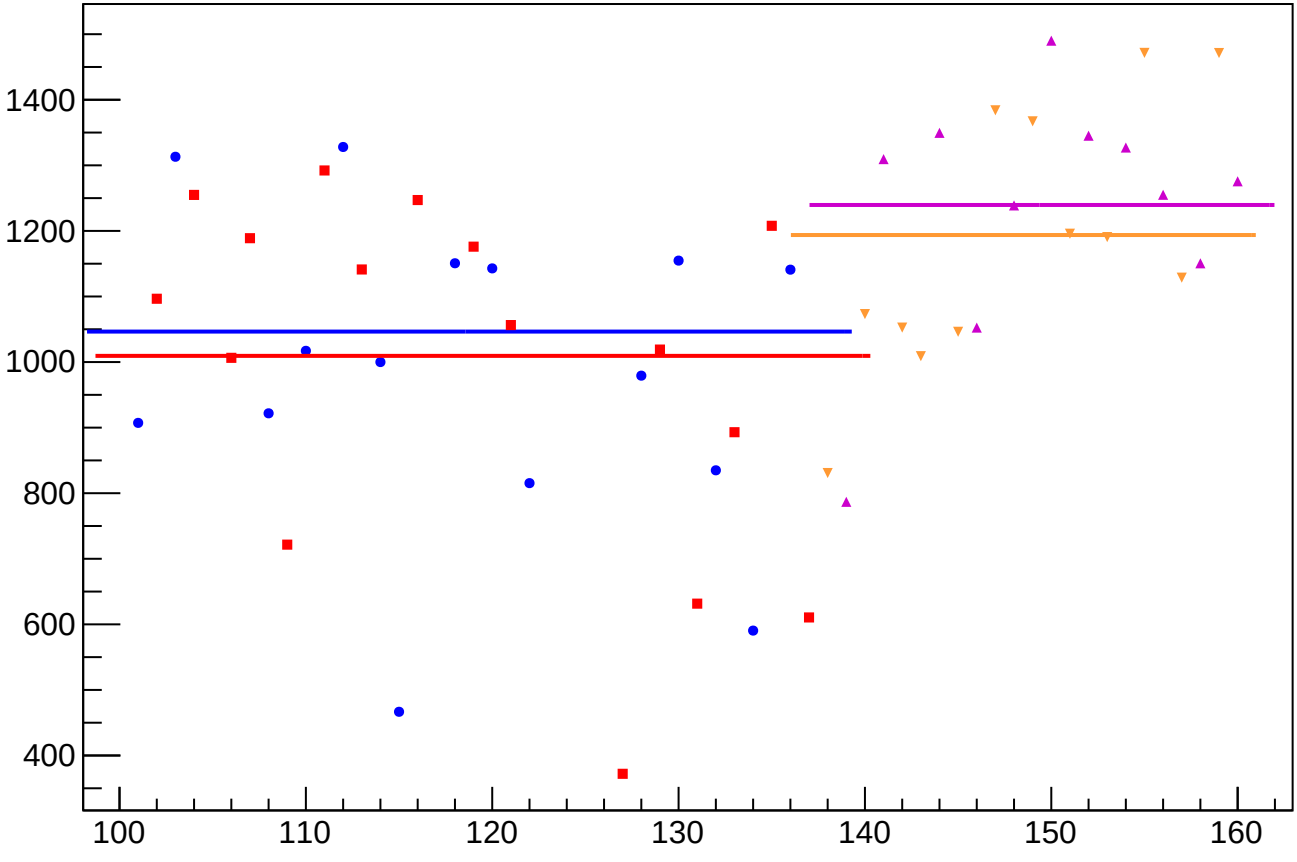
All: 787.665+/-0.000 $\chi^2$/NDF: 2434168948 39

Right Out: 1092.265+/-0.000 $\chi^2$/NDF: 188319814292960581345623381294694845 6448.0/15

- sign 877.659+/-0.000 $\chi^2$/NDF: 19697853901896 5

Left In: 722.743+/-0.000 $\chi^2$/NDF:33693137116513948077860330410535288832.0/10

# dit_atl1_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

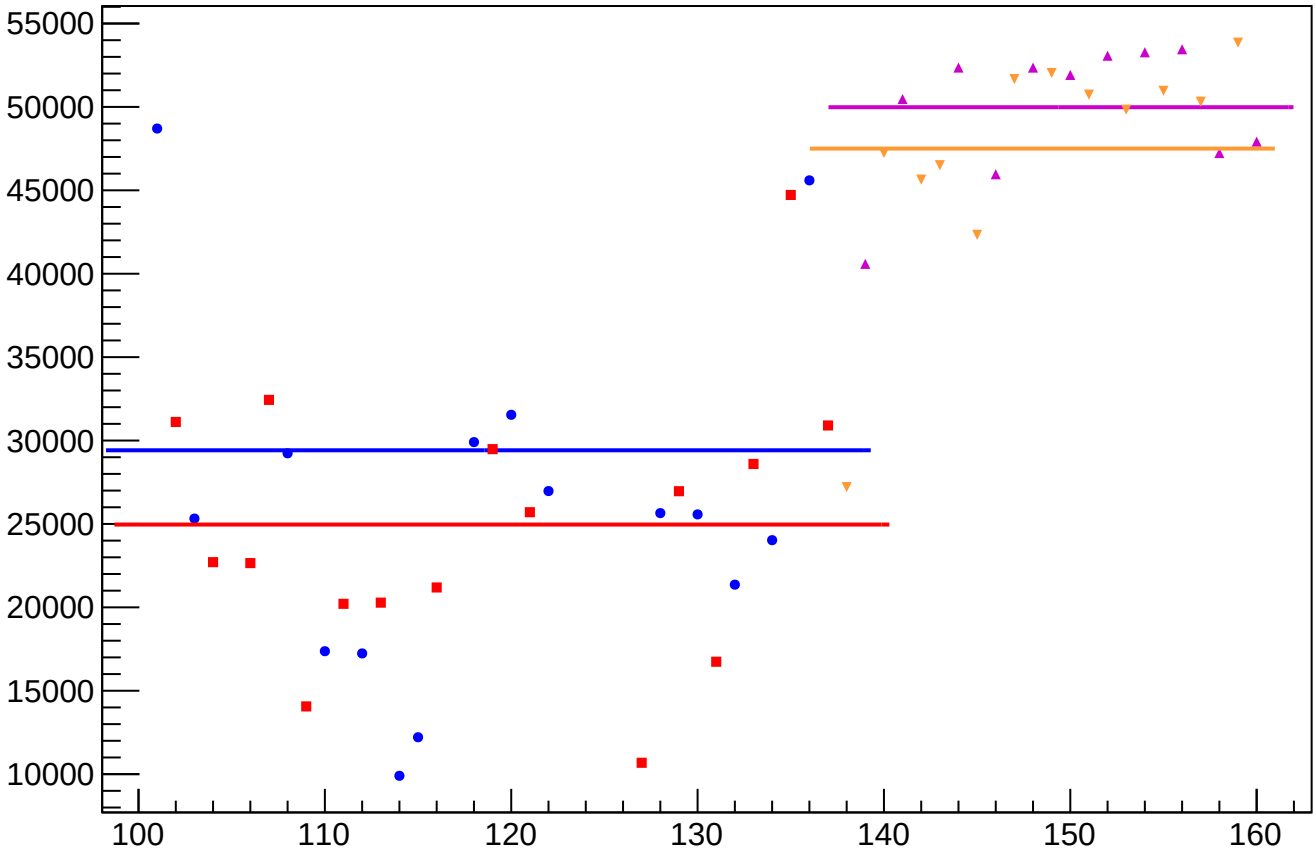
All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

# dit_atl2_coil1_mean vs Slug




Right In: 29415.830+/-0.000 $\chi^2$/NDF: 7176498963892808290677497975389480917401 6.0/14

+ sign 39992.082+/-0.000 $\chi^2$/NDF: 2394993878358

Left Out: 47501.916+/-0.000 $\chi^2$/NDF:4359171533493380164556519983676176675635 2.0/11

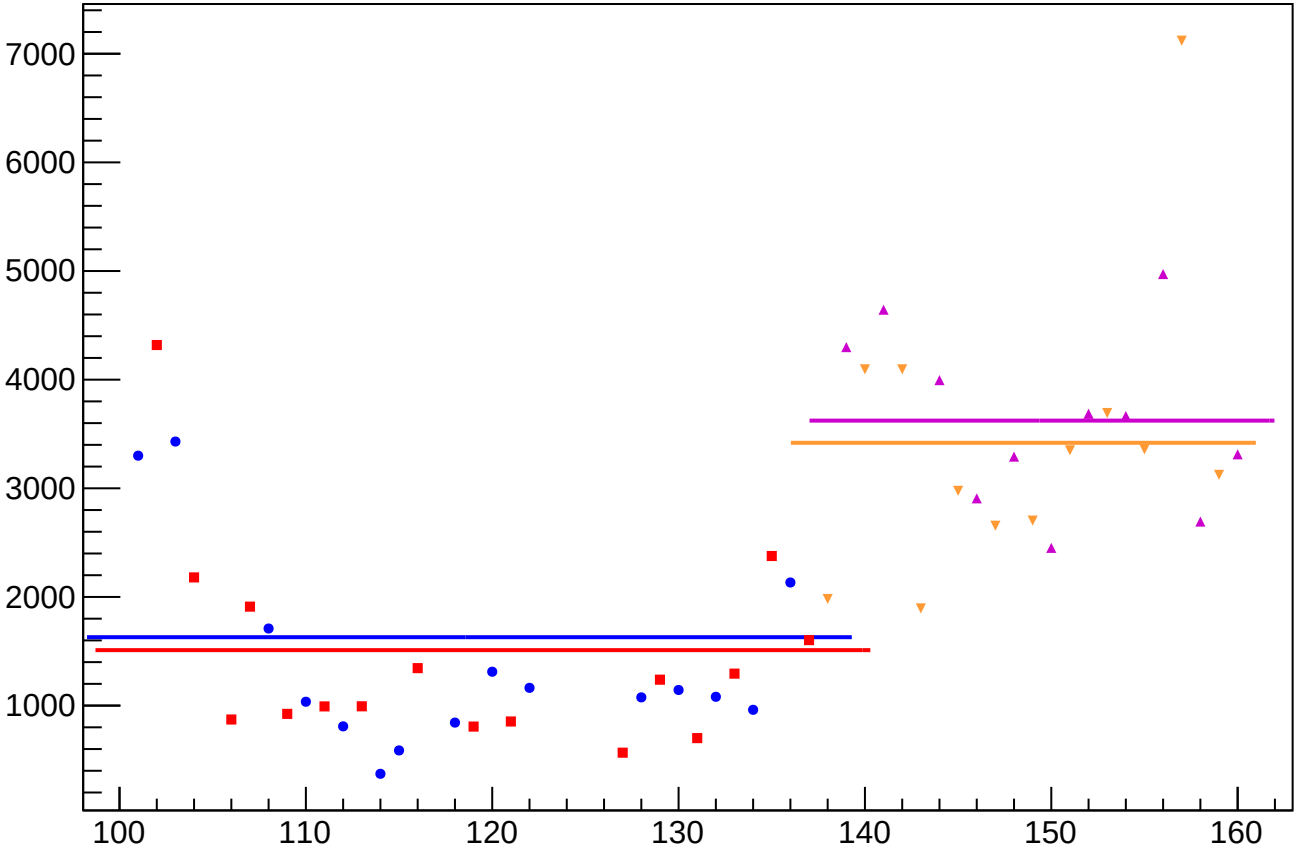
All: 39740.450+/-0.000 $\chi^2$/NDF: 5413093002

Right Out: 24963.010+/-0.000 $\chi^2$/NDF: 4563157292012217197283596168549431561420 8.0/15

- sign 39493.245+/-0.000 $\chi^2$/NDF: 3016137188389

Left In: 49982.063+/-0.000 $\chi^2$/NDF:1350582101930560384612112134471797021081 6.0/10

# dit_atl2_coil1_err_mean vs Slug




Right In: 1629.542+/-0.000 $\chi^2$/NDF: 5517385553550289021946978964371522191 36.0/14

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

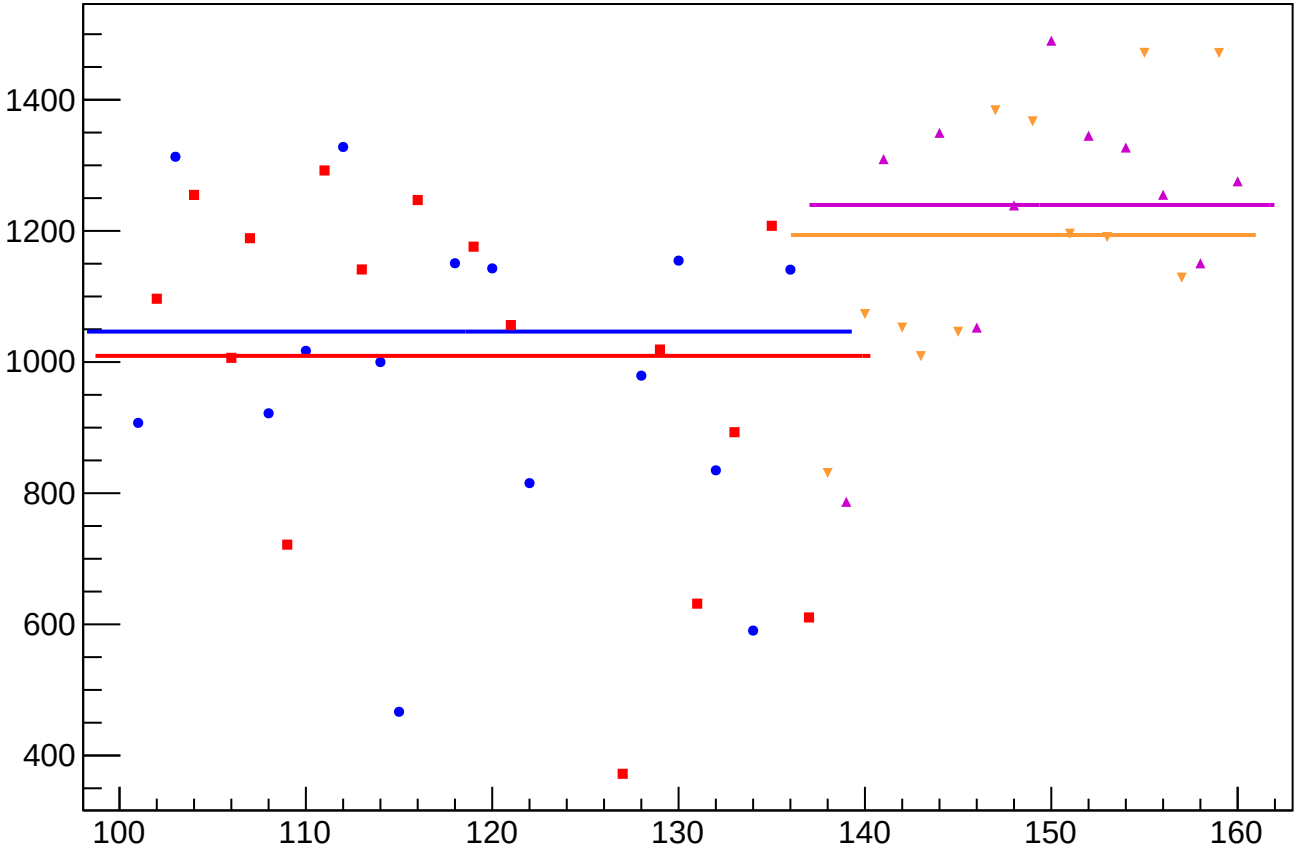
Left In: 3623.095+/-0.000 $\chi^2$/NDF:5377144503712695097191414112928409845 76.0/10

+ sign 2675.926+/-0.000 $\chi^2$/NDF: 3342430084804 2

All: 2706.904+/-0.000 $\chi^2$/NDF: 6300549156 5

- sign 2737.338+/-0.000 $\chi^2$/NDF: 2955145483288 7

# dit_atl2_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

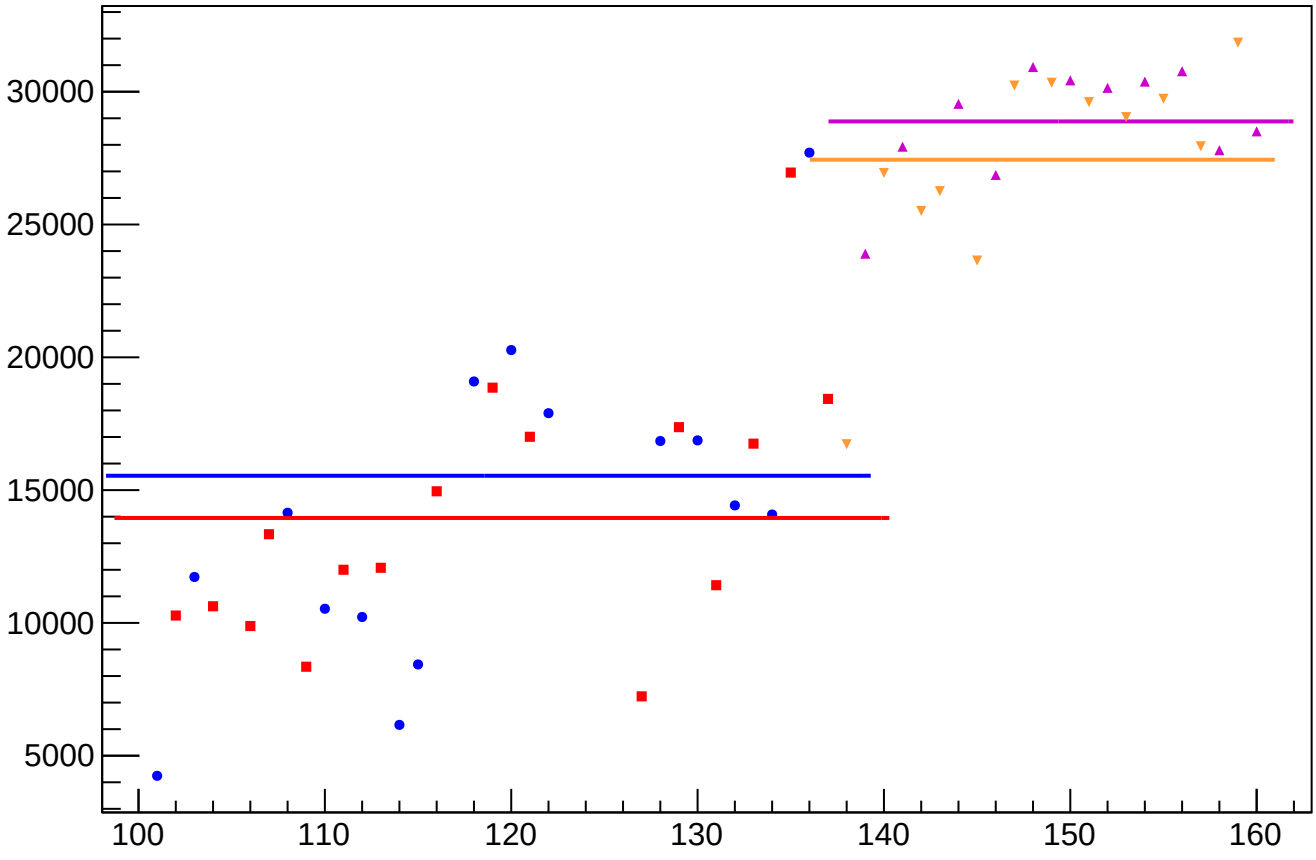
All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

# dit_atr1_coil1_mean vs Slug




Right In: 15540.787+/-0.000 $\chi^2$/NDF: 2738363588652360183237779538350971446886 4.0/14

+ sign 22498.900+/-0.000 $\chi^2$/NDF: 953635786596 4

Left Out: 27439.616+/-0.000 $\chi^2$/NDF:1424702590887172581335108866881892646912 0.0/11

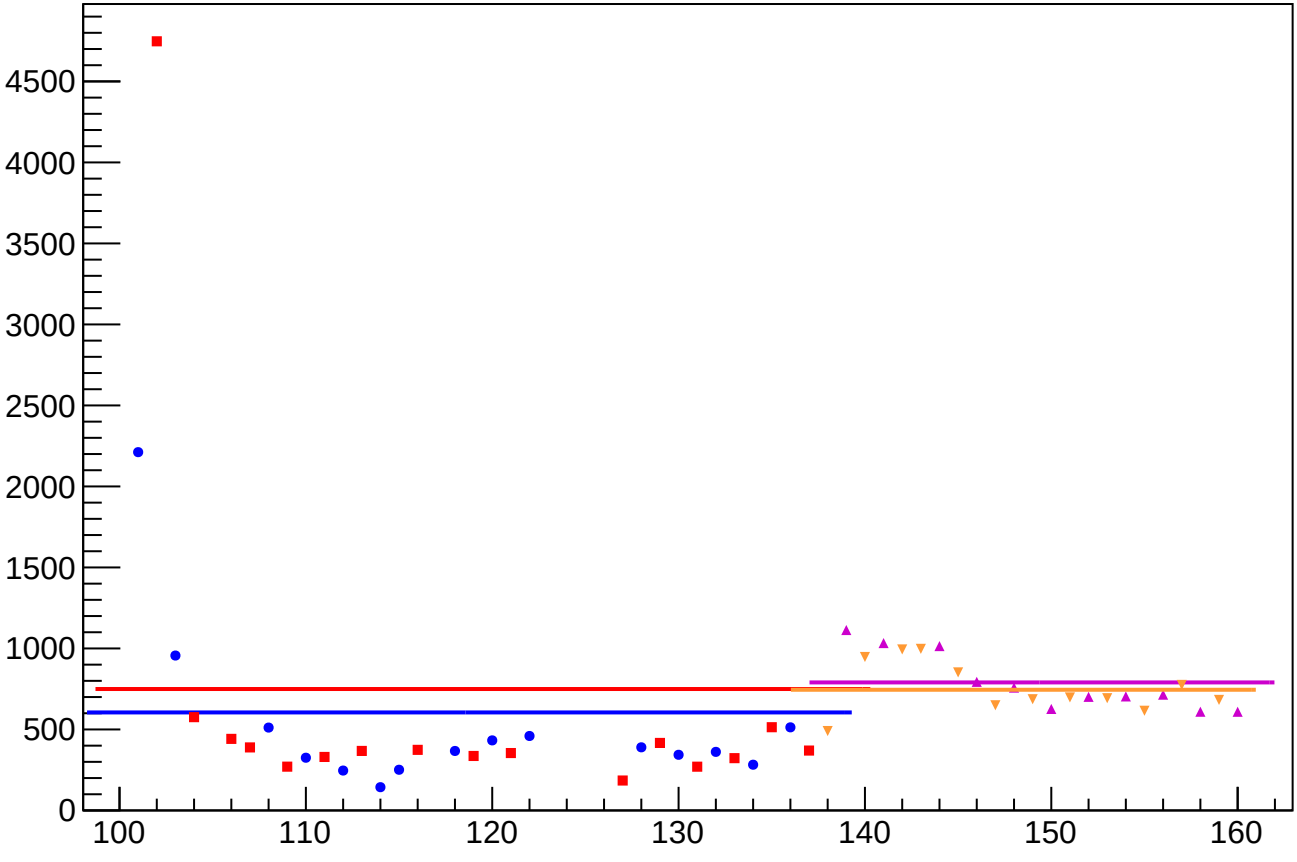
All: 22561.315+/-0.000 $\chi^2$/NDF: 2024381611

Right Out: 13951.799+/-0.000 $\chi^2$/NDF: 1695407103573958466461281343074810095206 4.0/15

- sign 22622.631+/-0.000 $\chi^2$/NDF: 1070625118466

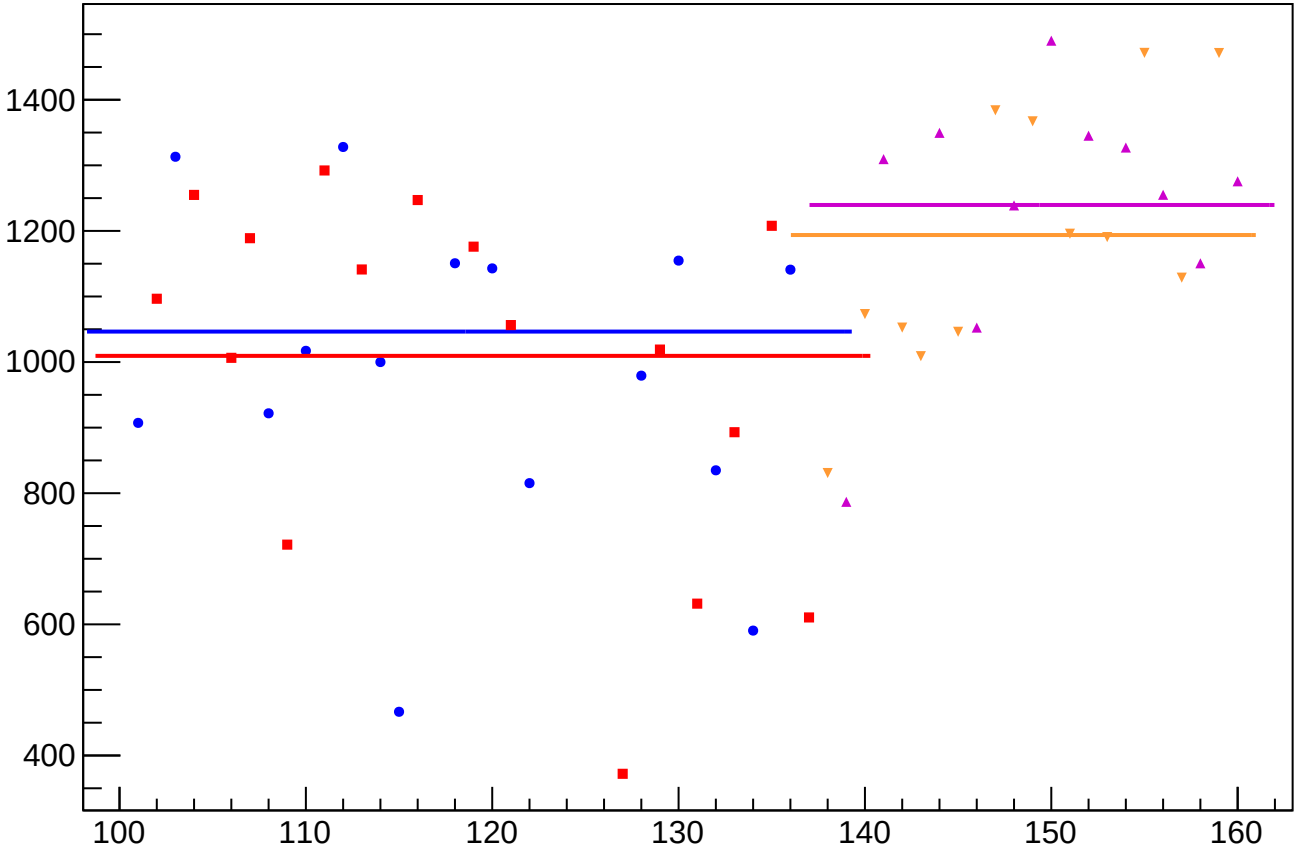
Left In: 28881.771+/-0.000 $\chi^2$/NDF:3761764043421234560623243625754374701056.0/10

# dit_atr1_coil1_err_mean vs Slug




Right In: 605.034+/-0.000 $\chi^2$/NDF: 1894015227916076144486001577233628528 64.0/14
+ sign 686.873+/-0.000 $\chi^2$/NDF: 216406275122554
Left Out: 744.985+/-0.000 $\chi^2$/NDF:195714539842789617199362478705444126 72.0/11
All: 730.430+/-0.000 $\chi^2$/NDF: 127166116576
Right Out: 749.582+/-0.000 $\chi^2$/NDF: 102135876837749593569374877980434418 8928.0/15
- sign 773.220+/-0.000 $\chi^2$/NDF: 104937647672496
Left In: 790.283+/-0.000 $\chi^2$/NDF:273759951630115601013491669494378004 48.0/10

# dit_atr1_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

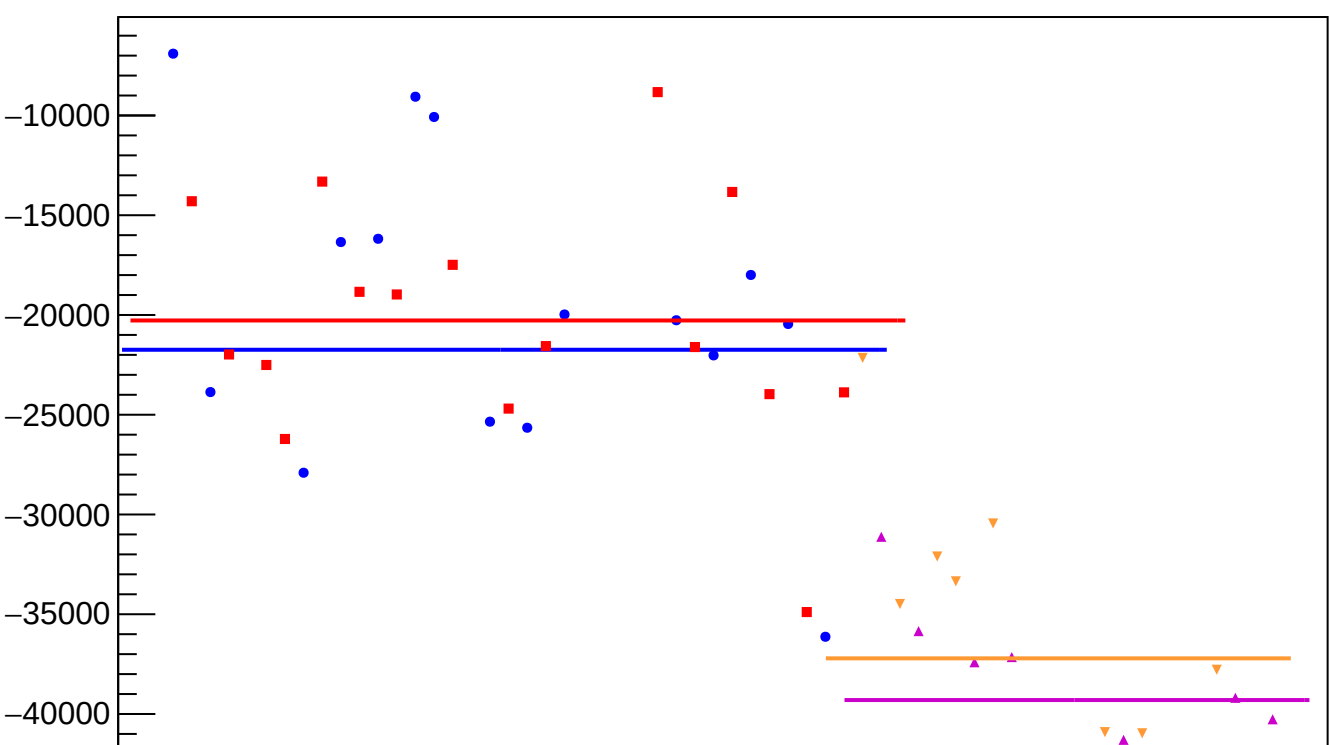
Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

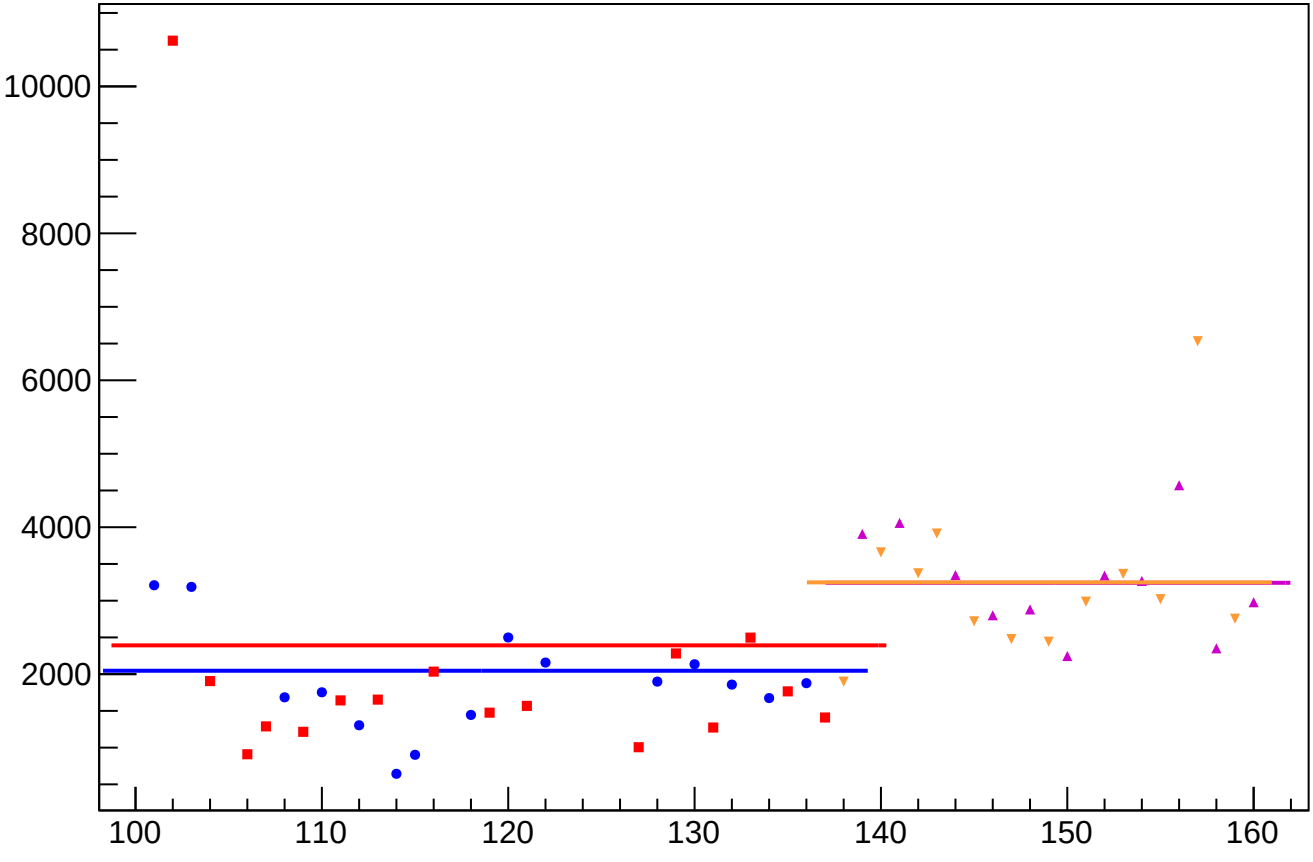
- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

# dit_atr2_coil1_mean vs Slug




Right In: -21743.360+/-0.000 $\chi^2$/NDF: 411068588235795273251986756753987930685 44.0/14
+ sign -30788.276+/-0.000 $\chi^2$/NDF: 168137649264
Left Out: -37210.761+/-0.000 $\chi^2$/NDF:362348135681012665019208459049455205744 64.0/11
All: -31059.001+/-0.000 $\chi^2$/NDF: 345412130
Right Out: -20275.415+/-0.000 $\chi^2$/NDF: 259358691320929202316815324176273207459 84.0/15
- sign -31324.961+/-0.000 $\chi^2$/NDF: 177047387117 6
Left In: -39301.203+/-0.000 $\chi^2$/NDF:108905571958284806558508731561164522127 36.0/10

# dit_atr2_coil1_err_mean vs Slug




Right In: 2046.354+/-0.000 $\chi^2$/NDF: 266555515927348892036833058355226345472.0/14

+ sign 2749.812+/-0.000 $\chi^2$/NDF: 20064864272112

Left Out: 3249.314+/-0.000 $\chi^2$/NDF:1190726211956001849078073092083852247040.0/11

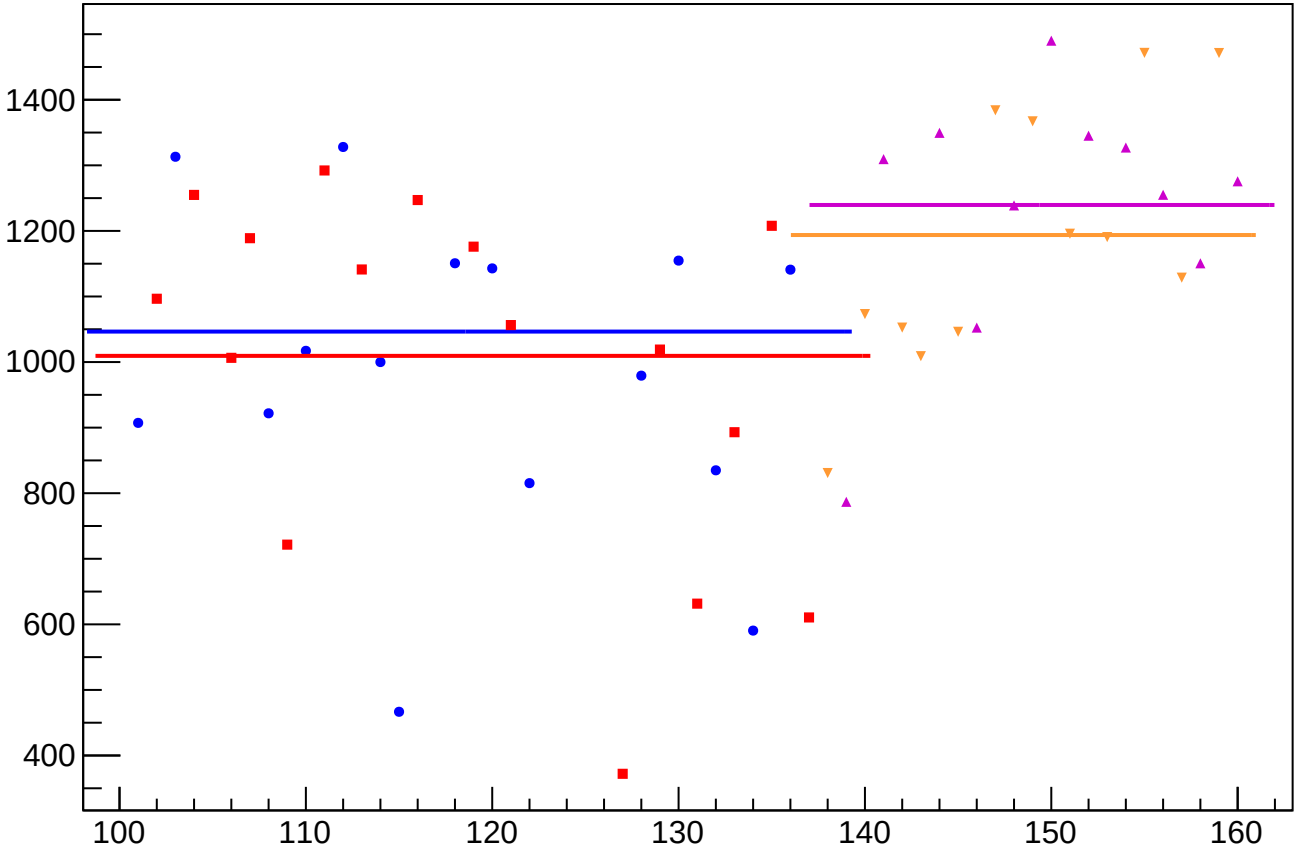
All: 2818.755+/-0.000 $\chi^2$/NDF: 7140152506

Right Out: 2391.939+/-0.000 $\chi^2$/NDF: 4415294964789778815259357544579499819008.0/15

- sign 2886.485+/-0.000 $\chi^2$/NDF: 51189384320628

Left In: 3243.479+/-0.000 $\chi^2$/NDF:4227523458095644148759411154532308090 88.0/10

# dit_atr2_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

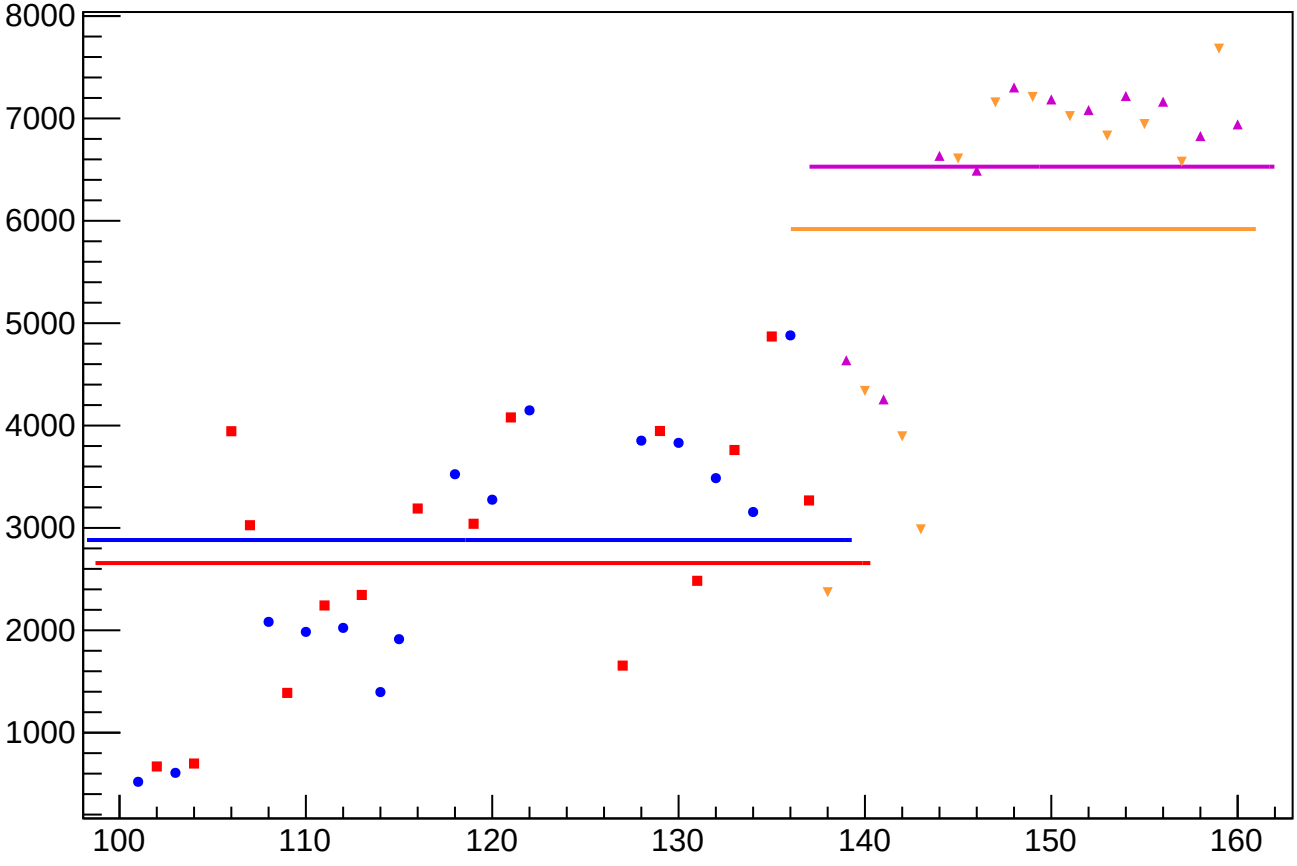
All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

# dit_sam1_coil1_mean vs Slug




Right In: 2881.935+/-0.000 $\chi^2$/NDF: 1320319391496525533692082365878834823168.0/14

Left Out: 5919.511+/-0.000 $\chi^2$/NDF:2779072700024845827027981240176985767936.0/11

Right Out: 2656.918+/-0.000 $\chi^2$/NDF: 1077696846216053561130716877125509447680.0/15

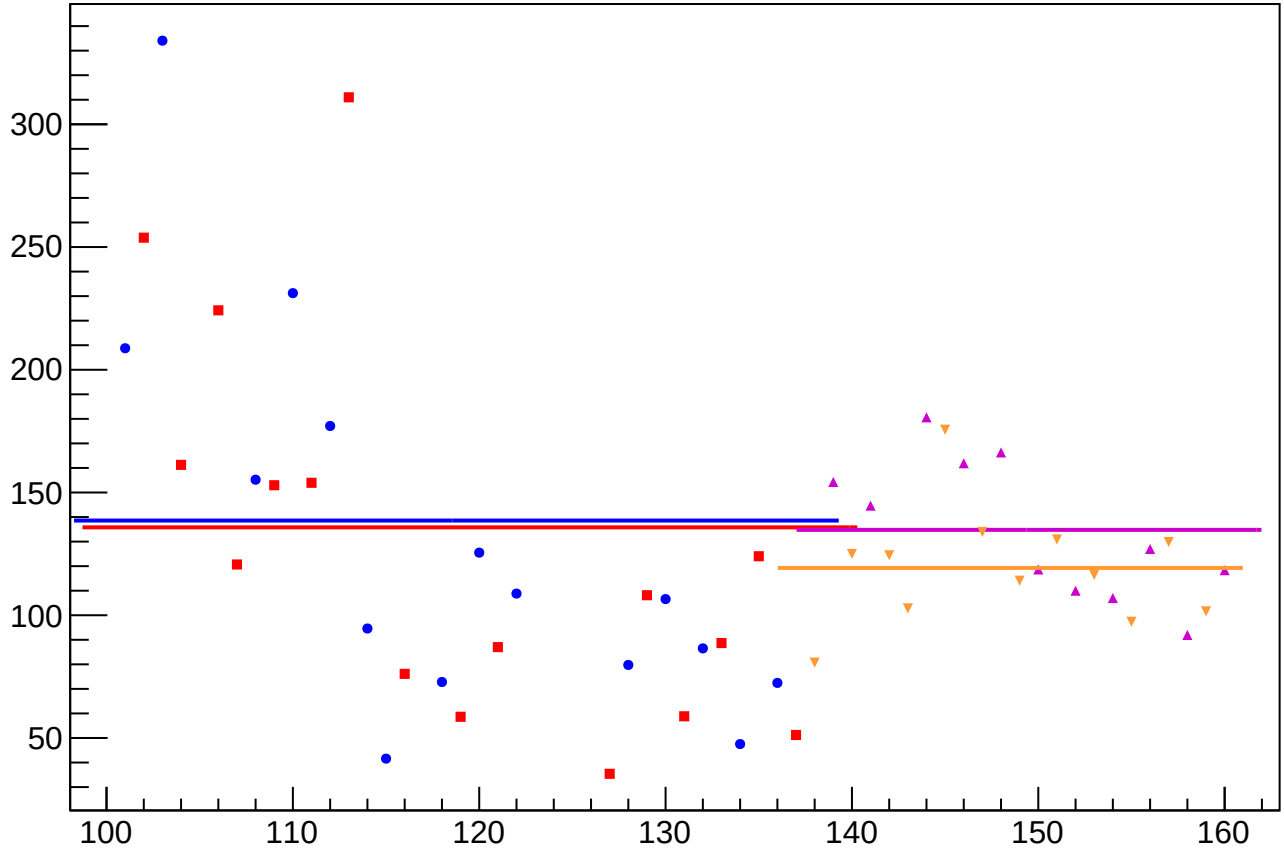
Left In: 6528.681+/-0.000 $\chi^2$/NDF:9406198322905476612046415286949243781 12.0/10

+ sign 4658.227+/-0.000 $\chi^2$/NDF: 7601149842913 6

All: 4782.966+/-0.000 $\chi^2$/NDF: 1547458955 5

- sign 4905.510+/-0.000 $\chi^2$/NDF: 7825227654718 7

# dit_sam1_coil1_err_mean vs Slug




Right In: 138.577+/-0.000 $\chi^2$/NDF: 4242369889979811373883774021335515136.0/14

+ sign 127.294+/-0.000 $\chi^2$/NDF: 487151185585046

Left Out: 119.282+/-0.000 $\chi^2$/NDF:4878457793952178791538152939852922 88.0/11

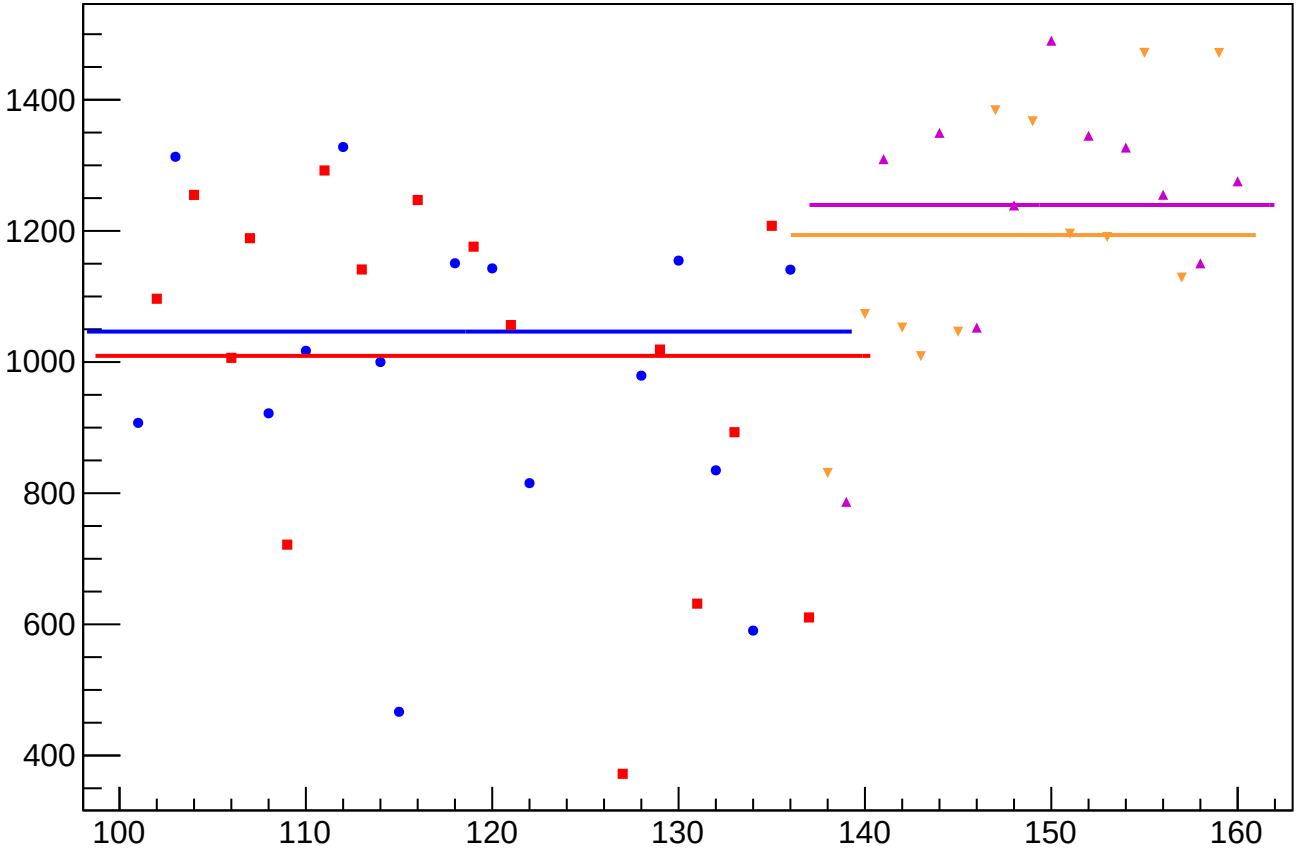
All: 131.289+/-0.000 $\chi^2$/NDF: 95675897587 3

Right Out: 135.809+/-0.000 $\chi^2$/NDF: 39564017418625242632431608681736 43776.0/15

- sign 135.214+/-0.000 $\chi^2$/NDF: 464661599123883

Left In: 134.785+/-0.000 $\chi^2$/NDF:6898086026323155390298606853926420 48.0/10

# dit_sam1_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

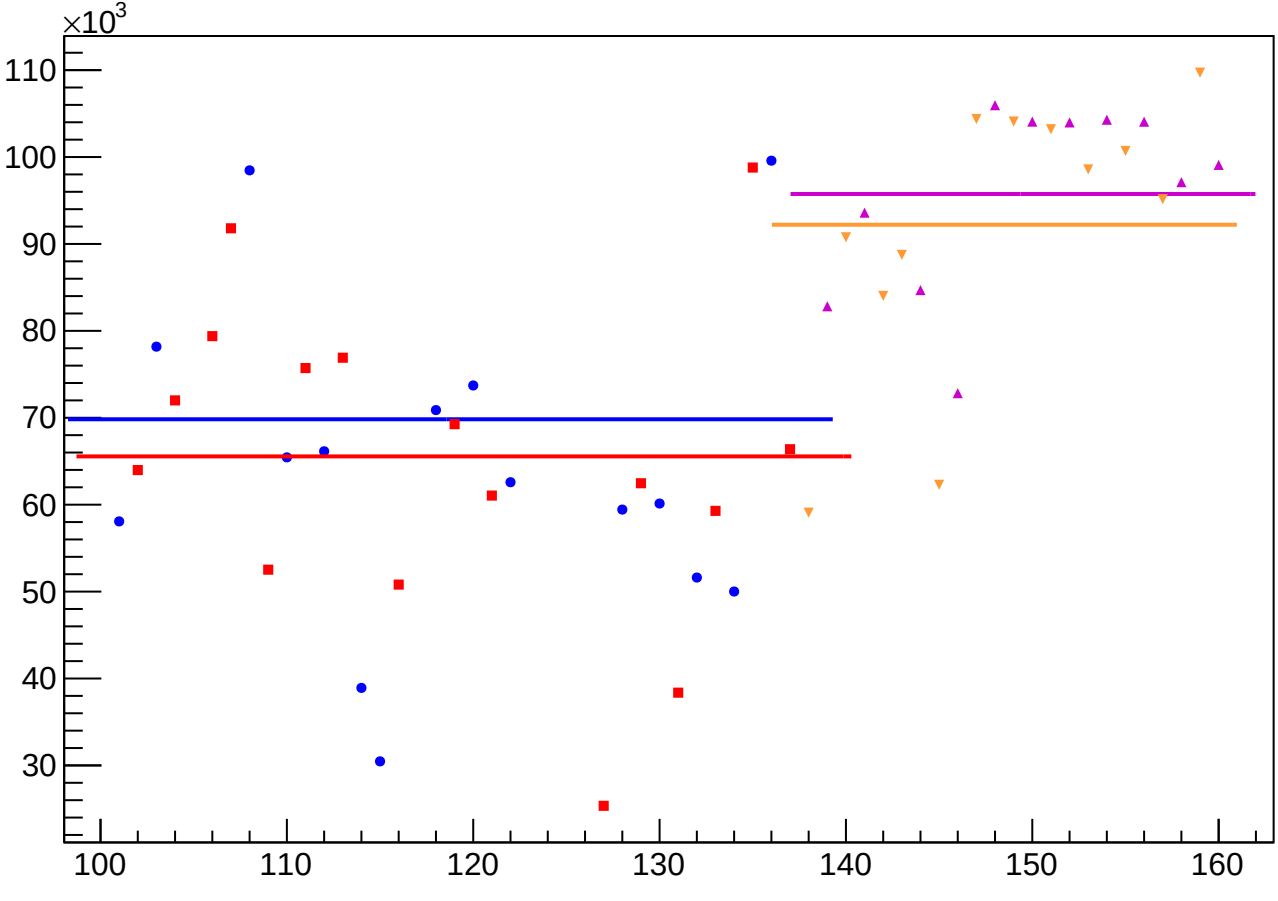
Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

# dit_sam2_coil1_mean vs Slug




Right In: 69827.797+/-0.000 $\chi^2$/NDF: 1878032821164931311976840605412889261506 56.0/14

Left Out: 92210.698+/-0.000 $\chi^2$/NDF:2265774766578075852020837676853602895790 08.0/11

Right Out: 65555.147+/-0.000 $\chi^2$/NDF: 2120014678113867509106257831959997416734 72.0/15

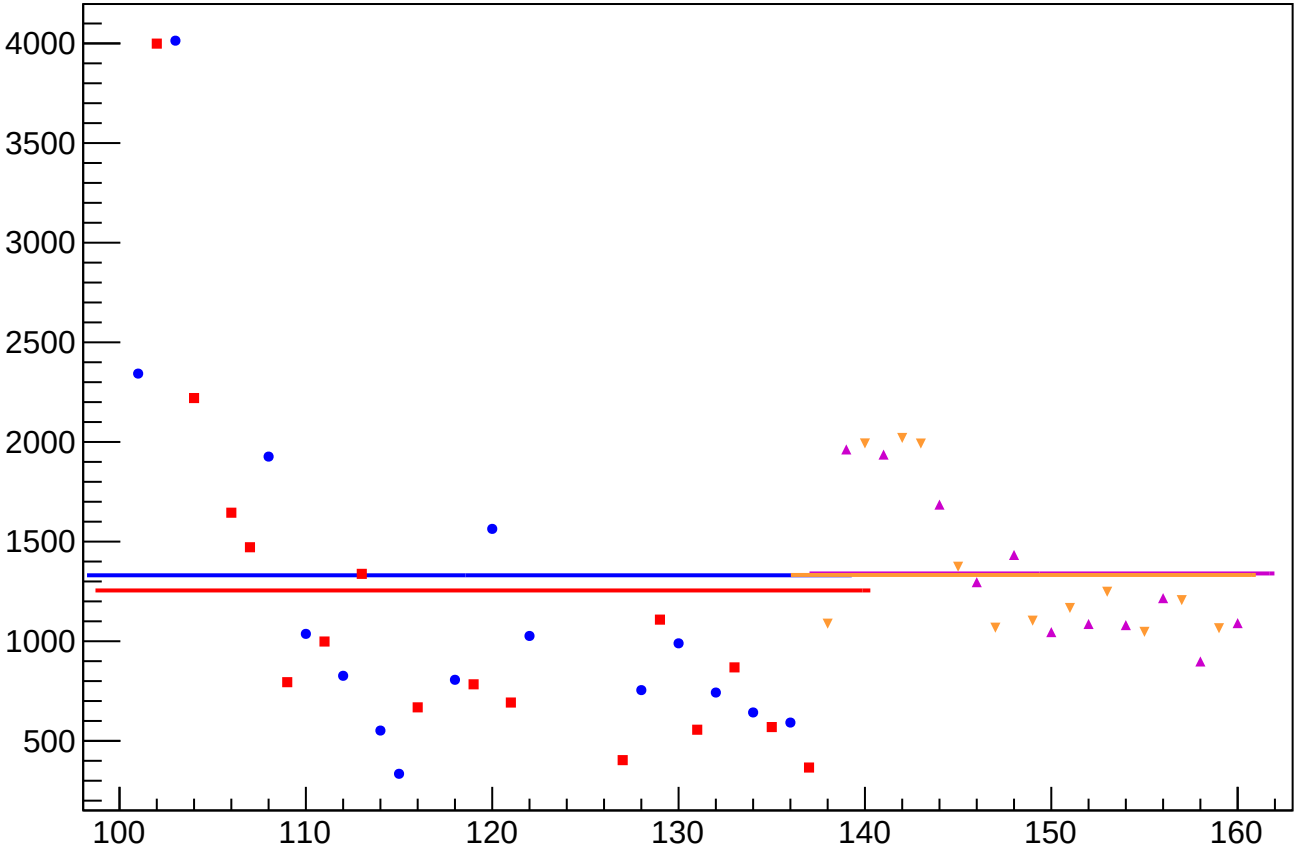
Left In: 95749.411+/-0.000 $\chi^2$/NDF:1023767618815302714273402847386938260848 64.0/10

+ sign 82916.711+/-0.000 $\chi^2$/NDF: 6045168976255

All: 83004.616+/-0.000 $\chi^2$/NDF: 1272083143

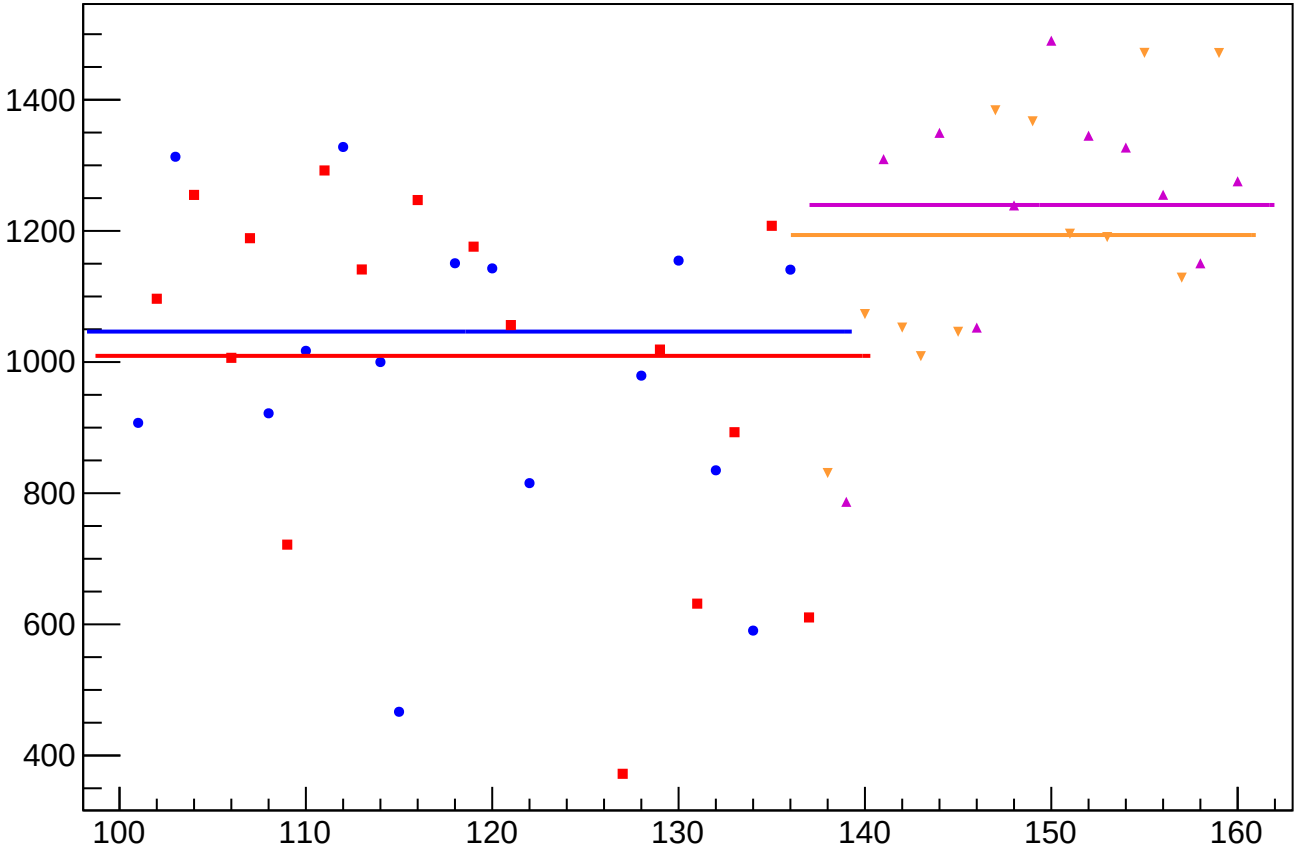
- sign 83090.974+/-0.000 $\chi^2$/NDF: 6675423024903

# dit_sam2_coil1_err_mean vs Slug




Right In: 1330.956+/-0.000 $\chi^2$/NDF: 6494812638426816594494091470595728343 04.0/14
+ sign 1331.958+/-0.000 $\chi^2$/NDF: 7669711709446 3
Left Out: 1332.669+/-0.000 $\chi^2$/NDF:1174887932511659998504172068952730501 12.0/11
All: 1318.066+/-0.000 $\chi^2$/NDF: 1516733584 6
Right Out: 1254.871+/-0.000 $\chi^2$/NDF: 6321400689833040628098177168008617 65632.0/15
- sign 1304.419+/-0.000 $\chi^2$/NDF: 7491644636116 1
Left Out: 1340.185+/-0.000 $\chi^2$/NDF:1142049111682012770238307673664777 09312.0/10

# dit_sam2_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

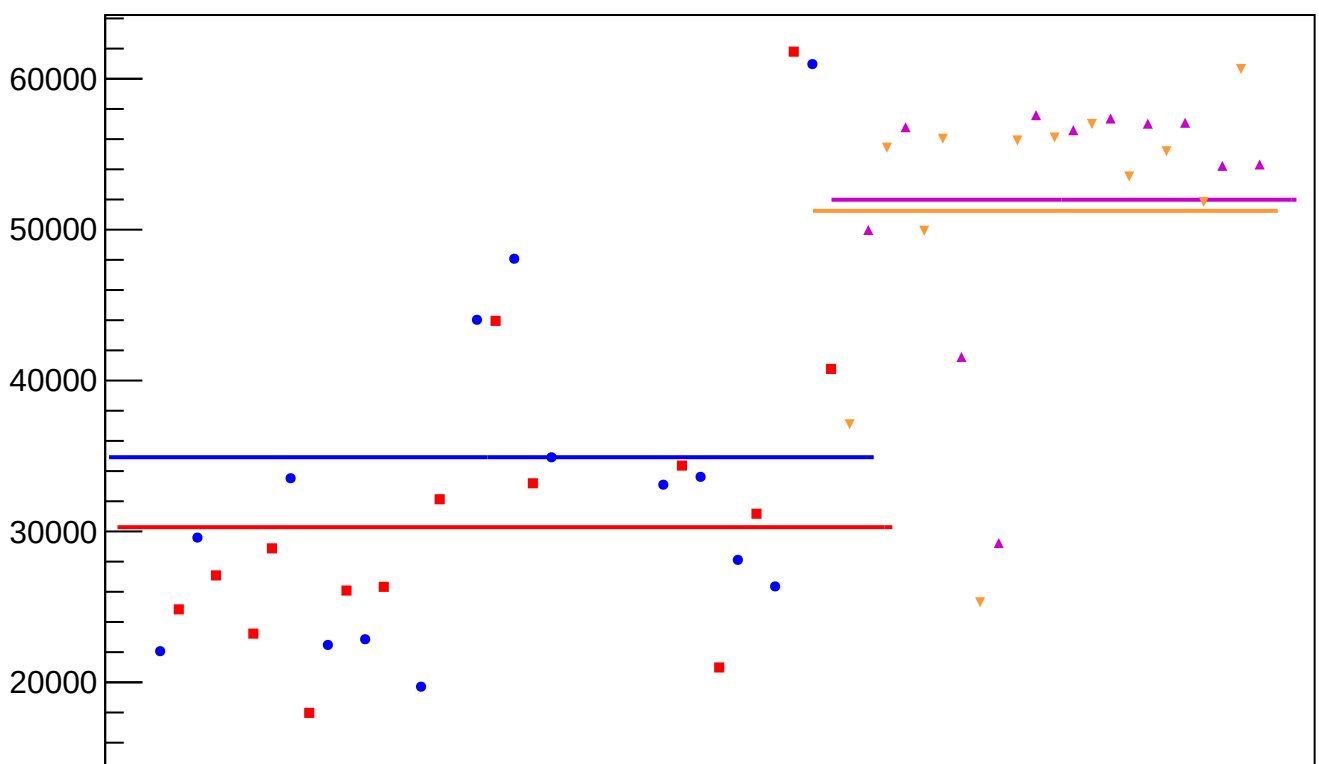
Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

# dit_sam3_coil1_mean vs Slug




Right In: 34919.716+/-0.000 $\chi^2$/NDF: 1063873854407186221551225418487299970170 88.0/14

Left Out: 51246.568+/-0.000 $\chi^2$/NDF:8616854061410244506204695466860253439590 4.0/11

Right Out: 30282.373+/-0.000 $\chi^2$/NDF: 8834616526659312662759895169350607306752 0.0/15

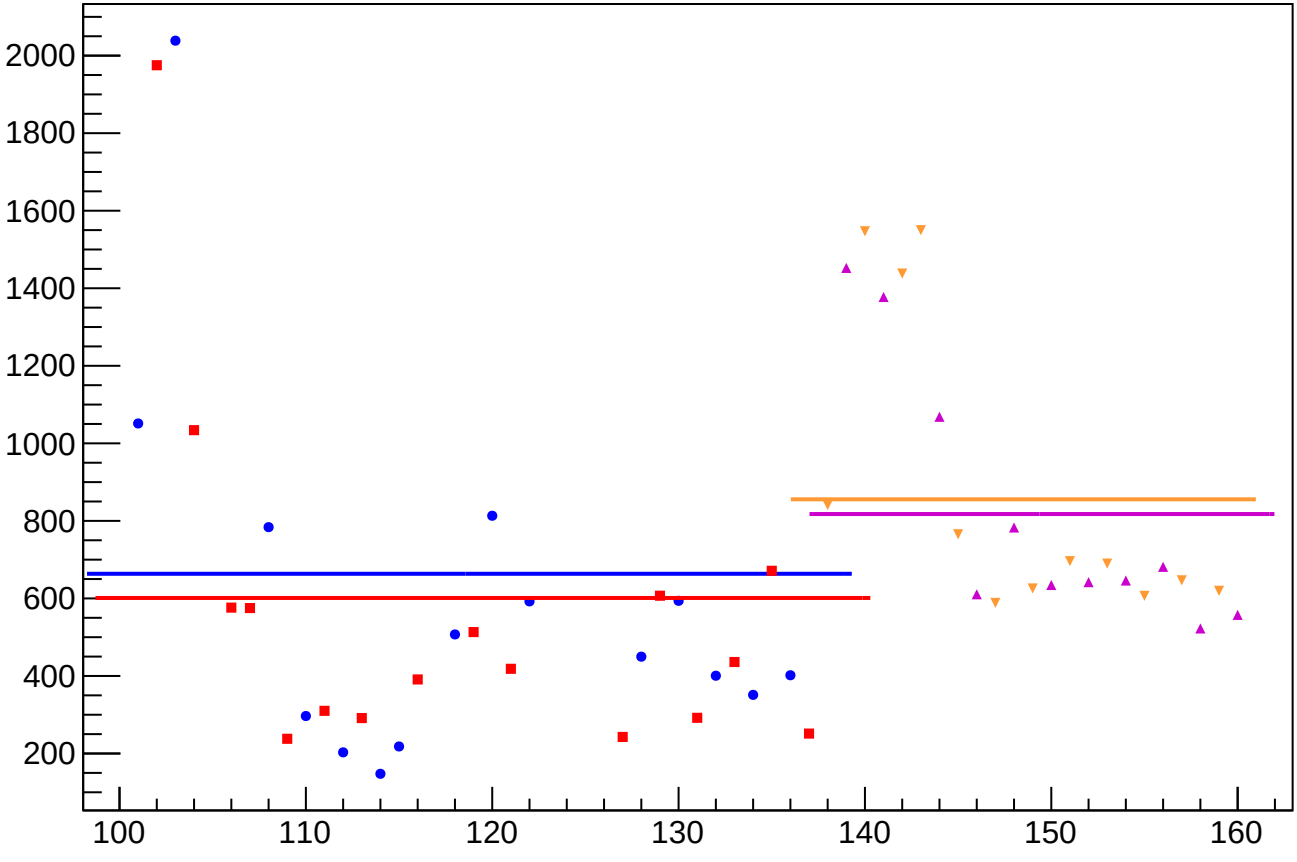
Left In: 51985.374+/-0.000 $\chi^2$/NDF:6717258757951886337950413211629467677491 2.0/10

+ sign 44467.216+/-0.000 $\chi^2$/NDF: 2937224586407

All: 43669.971+/-0.000 $\chi^2$/NDF: 6336704207

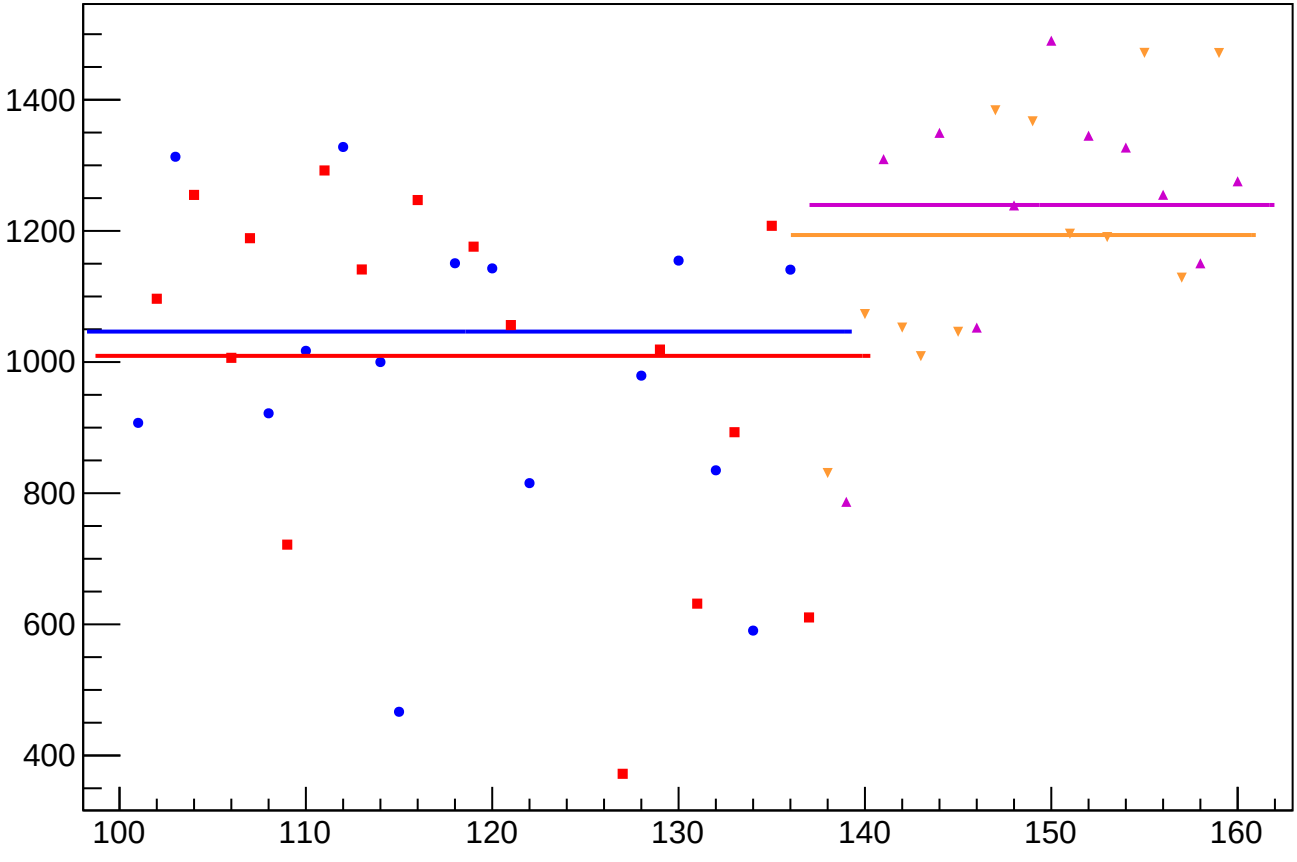
- sign 42886.756+/-0.000 $\chi^2$/NDF: 3379785593938

# dit_sam3_coil1_err_mean vs Slug




Right In: 663.574+/-0.000 $\chi^2$/NDF: 1576918128727208228869149665973124464 64.0/14
+ sign 775.881+/-0.000 $\chi^2$/NDF: 286585359117303
Left Out: 855.627+/-0.000 $\chi^2$/NDF:1148952267466286891447216964464636067 84.0/11
All: 751.182+/-0.000 $\chi^2$/NDF: 54677004059 5
Right Out: 601.216+/-0.000 $\chi^2$/NDF: 1497178843318893323399953343508318781 44.0/15
- sign 726.918+/-0.000 $\chi^2$/NDF: 258294460548114
Left Out: 817.657+/-0.000 $\chi^2$/NDF:904295487237156633268052990768111943 68.0/10

# dit_sam3_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

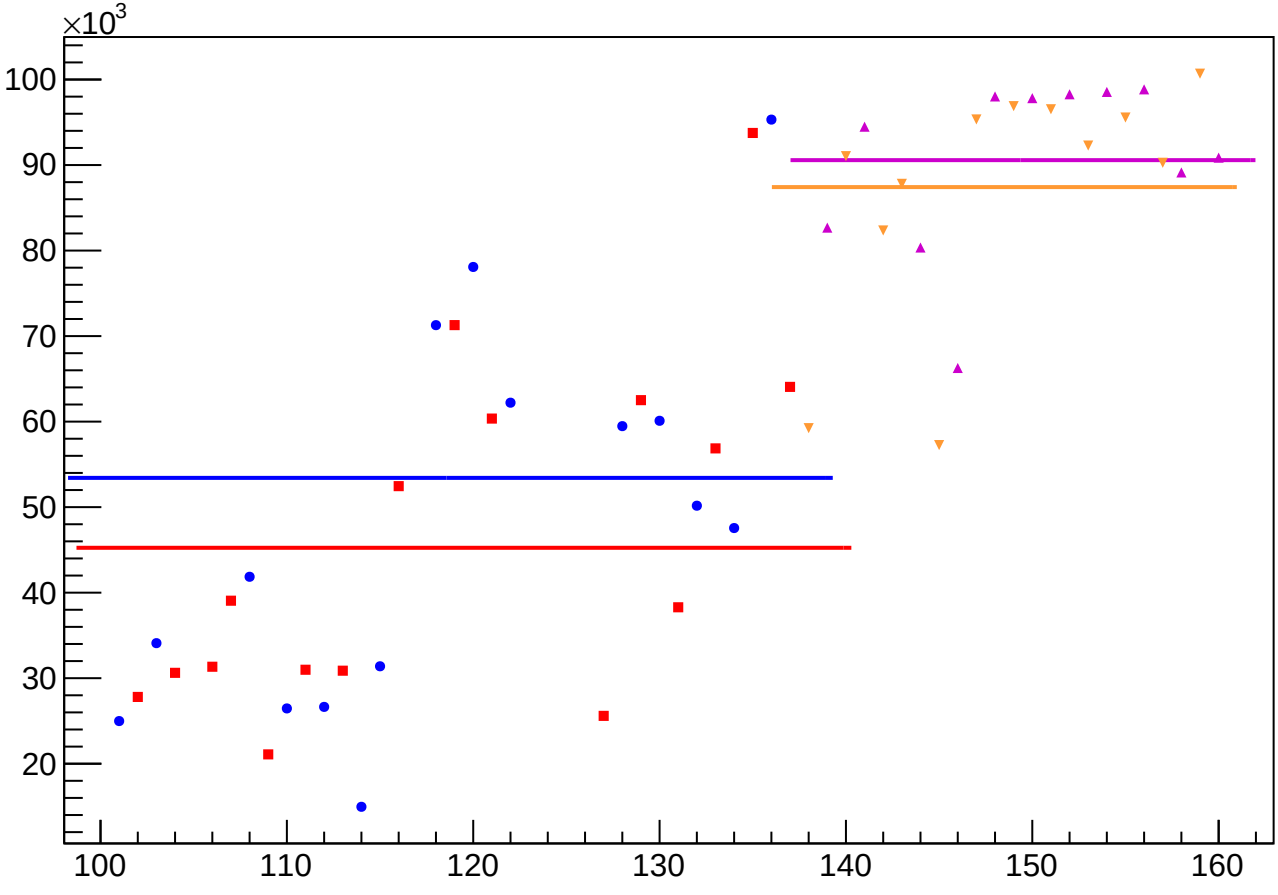
Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

# dit_sam4_coil1_mean vs Slug




Right In: 53422.452+/-0.000 $\chi^2$/NDF: 3606357573151338001337511231677773465518 08.0/14

+ sign 73304.445+/-0.000 $\chi^2$/NDF: 9753549747664

Left Out: 87421.965+/-0.000 $\chi^2$/NDF:1760094479339731722987658082695880743321 60.0/11

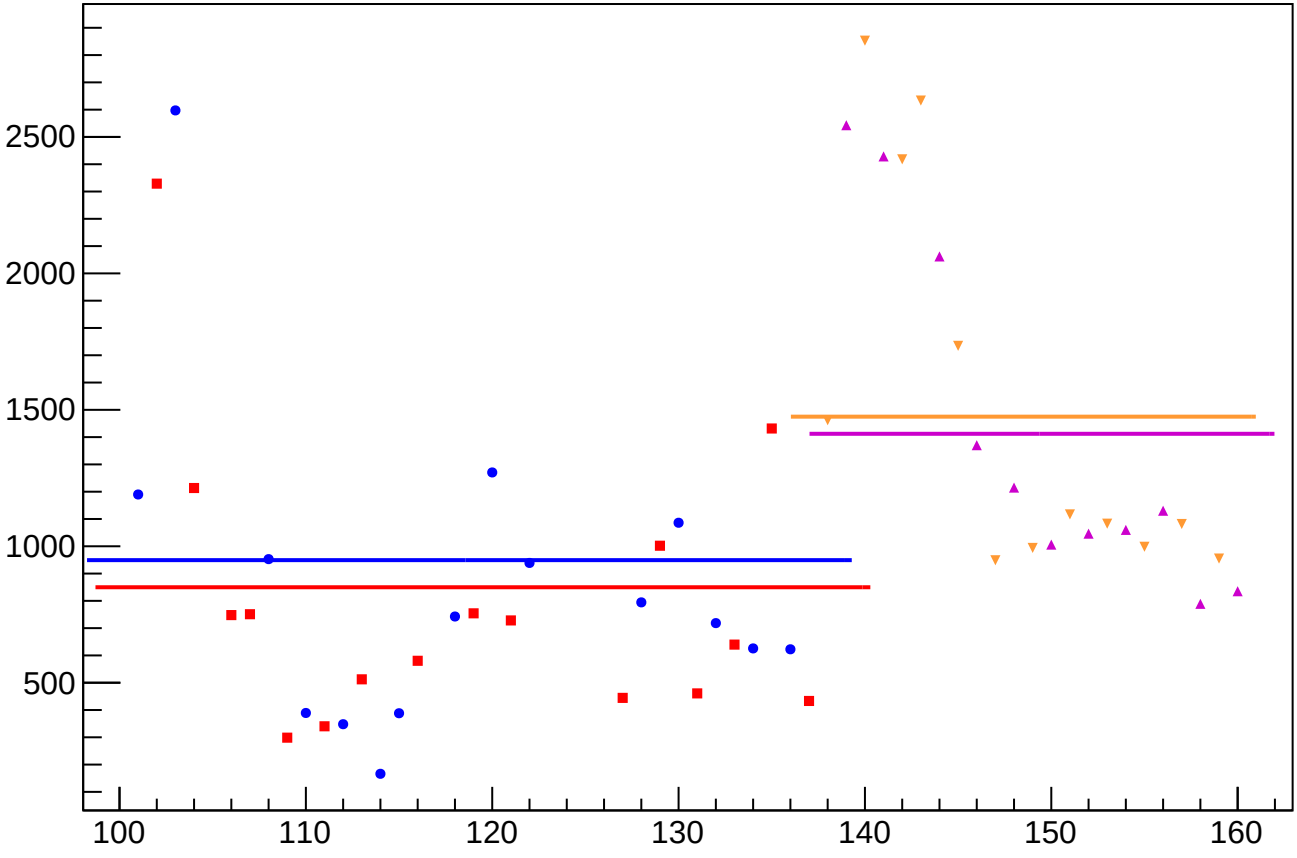
All: 72430.299+/-0.000 $\chi^2$/NDF: 2150195804

Right Out: 45247.617+/-0.000 $\chi^2$/NDF: 2860601964880344302157846133740555479285 76.0/15

- sign 71571.537+/-0.000 $\chi^2$/NDF: 1172473175377

Left In: 90573.760+/-0.000 $\chi^2$/NDF:9057408139435422159394926231240668558131 2.0/10

# dit_sam4_coil1_err_mean vs Slug




Right In: 949.197+/-0.000 $\chi^2$/NDF: 2256910321831537327333080940676581949 44.0/14

+ sign 1256.670+/-0.000 $\chi^2$/NDF: 7383903586921 0

Left Out: 1474.996+/-0.000 $\chi^2$/NDF:4077762791412540626360785088537386024 96.0/11

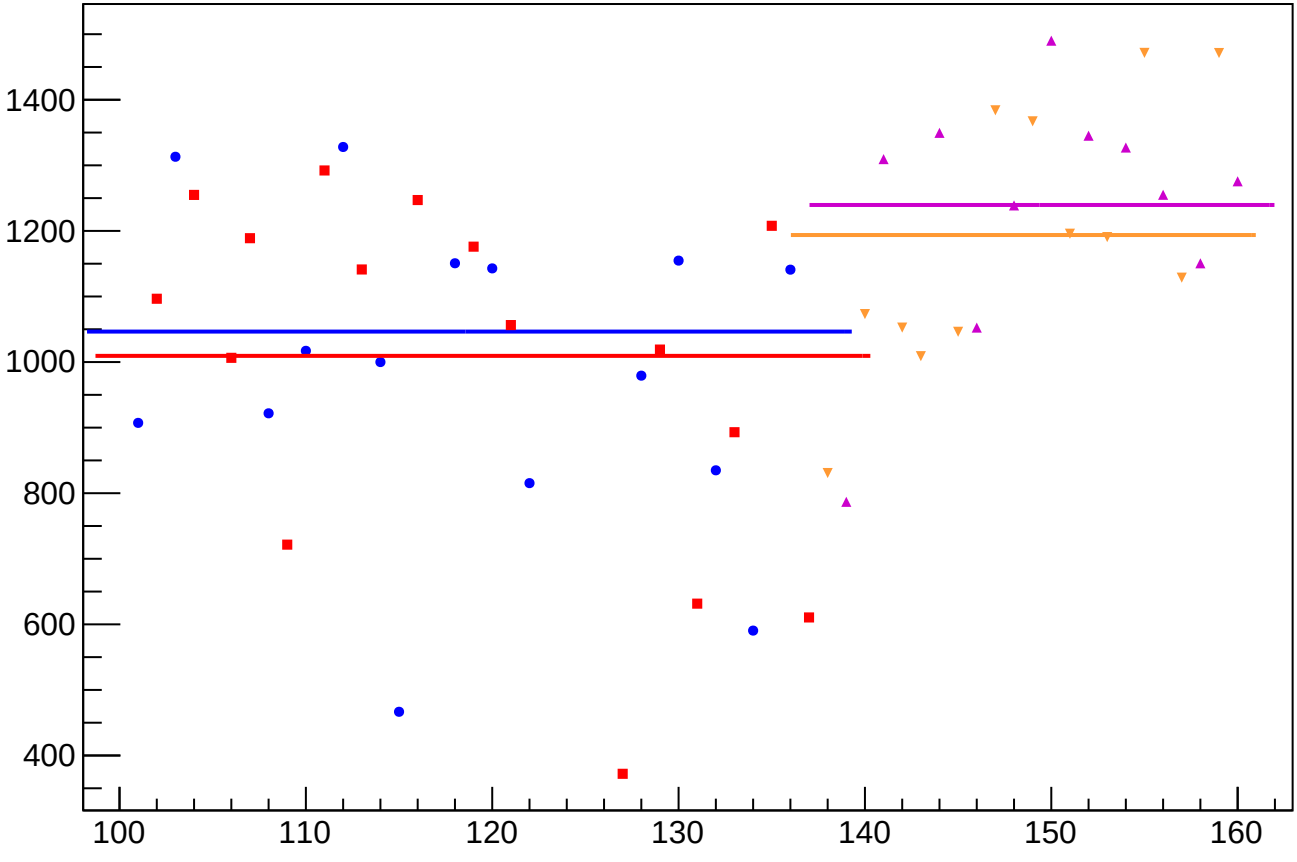
All: 1216.192+/-0.000 $\chi^2$/NDF: 1403124317 1

Right Out: 849.827+/-0.000 $\chi^2$/NDF: 2046222242615772477022273127451973386 24.0/15

- sign 1176.426+/-0.000 $\chi^2$/NDF: 6596572092346 2

Left In: 1412.186+/-0.000 $\chi^2$/NDF:3325293909348971181578759726617560350 72.0/10

# dit_sam4_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

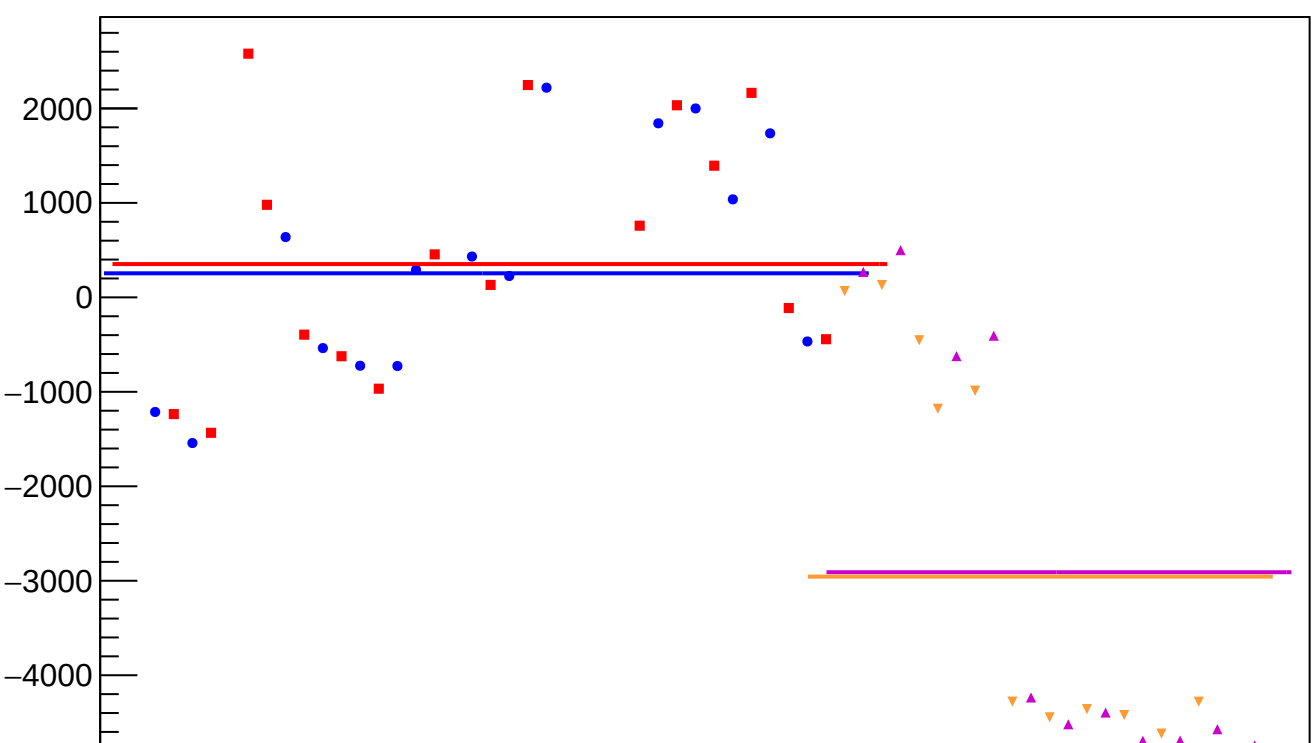
Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

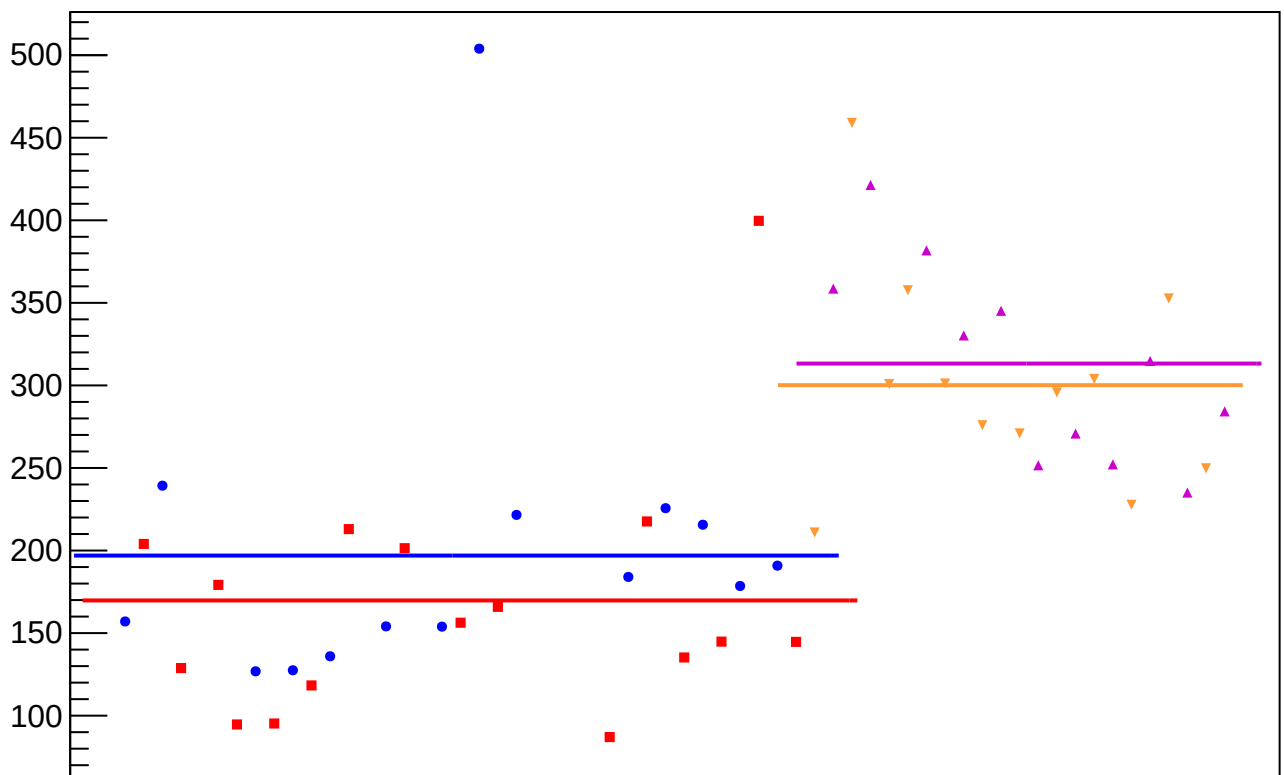
- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

# dit_sam5_coil1_mean vs Slug




Right In: 254.578+/-0.000 $\chi^2$/NDF: 9784021135310066407415692239672495308 80.0/14
+ sign -1622.879+/-0.000 $\chi^2$/NDF: 8598208756687
Left Out: -2955.997+/-0.000 $\chi^2$/NDF:3707818280907677847342876591435129290752.0/11
All: -1582.115+/-0.000 $\chi^2$/NDF: 1820300419
Right Out: 352.308+/-0.000 $\chi^2$/NDF: 1100813647101508513447529068154010468352.0/15
- sign -1542.068+/-0.000 $\chi^2$/NDF: 9599646635049 9
Left In: -2909.545+/-0.000 $\chi^2$/NDF:4377323512278558404902073126276443406336.0/10

# dit_sam5_coil1_err_mean vs Slug




Right In: 196.955+/-0.000 $\chi^2$/NDF: 448524516032965791462137242583878860 8.0/14

Left Out: 300.154+/-0.000 $\chi^2$/NDF:387302142868535294113705344869020467 2.0/11

Right Out: 169.778+/-0.000 $\chi^2$/NDF: 389260944549484578449355864638541004 8.0/15

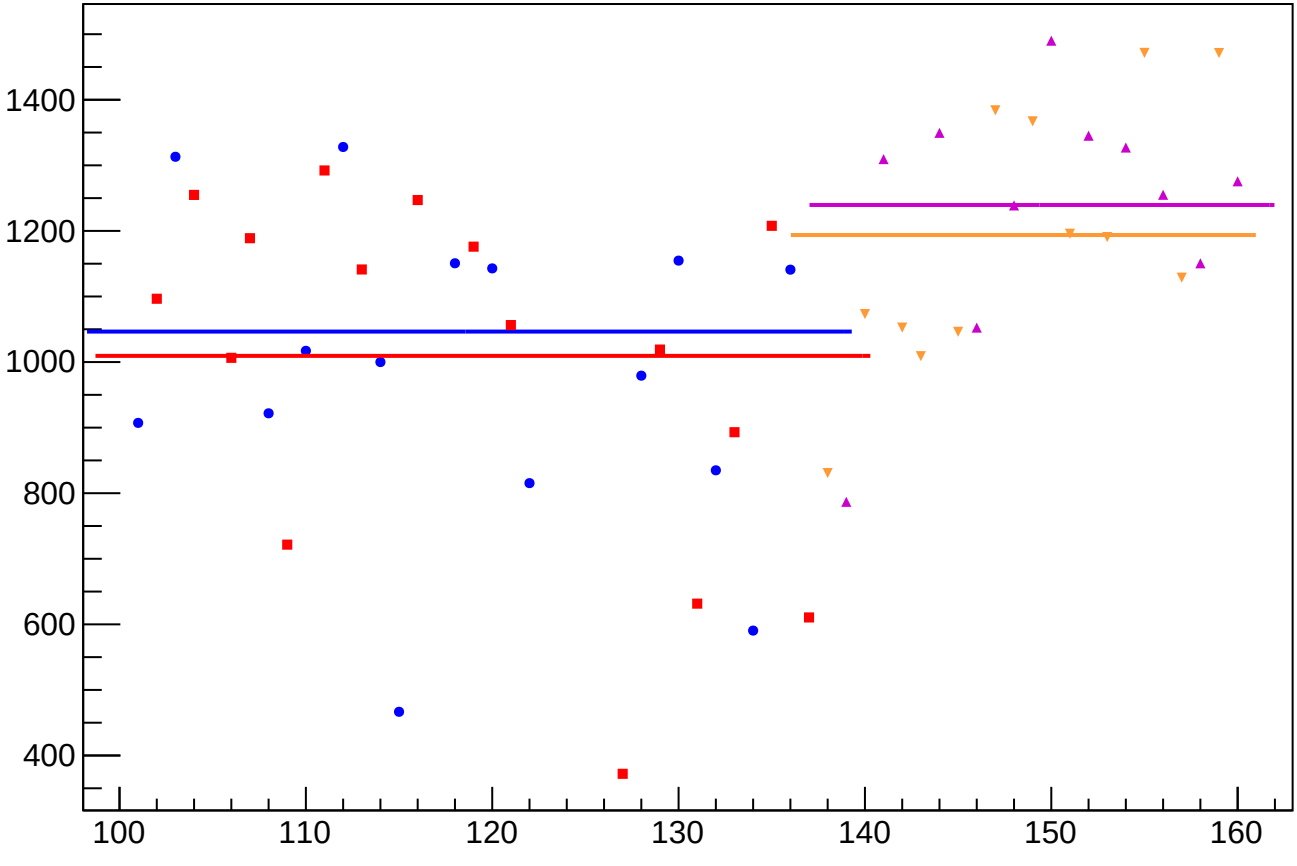
Left In: 313.228+/-0.000 $\chi^2$/NDF:307906170184356071477452976814240563 2.0/10

+ sign 257.303+/-0.000 $\chi^2$/NDF: 1240007740198 19

All: 255.177+/-0.000 $\chi^2$/NDF: 2735697932 25

- sign 253.089+/-0.000 $\chi^2$/NDF: 1494290075336 01

# dit_sam5_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

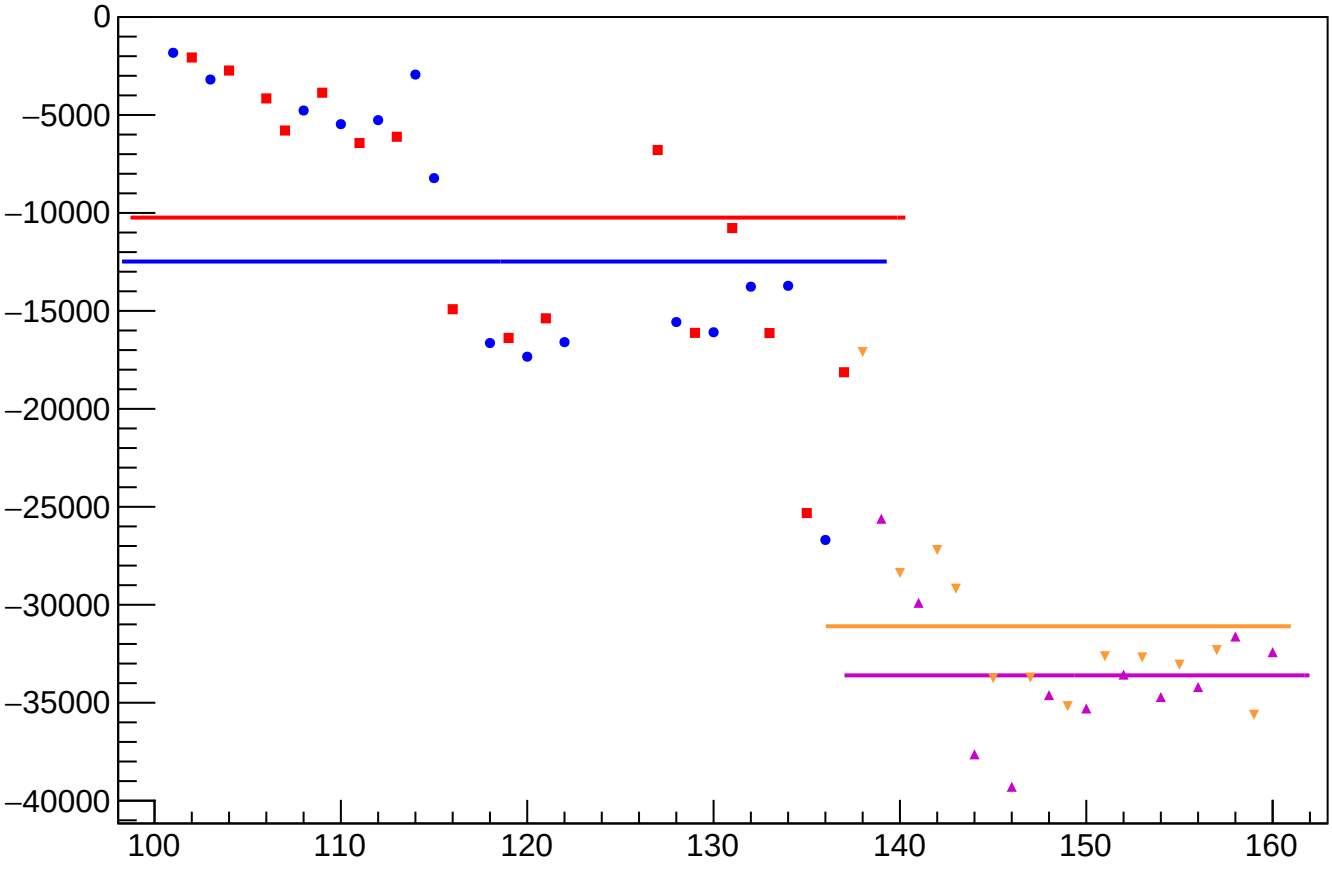
Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

# dit_sam6_coil1_mean vs Slug




Right In: -12479.653+/-0.000 $\chi^2$/NDF: 411786332312538053173533339734752719011 84.0/14

+ sign -23366.201+/-0.000 $\chi^2$/NDF: 194472008437

Left Out: -31096.364+/-0.000 $\chi^2$/NDF:217594309706731792738919903137593682821 12.0/11

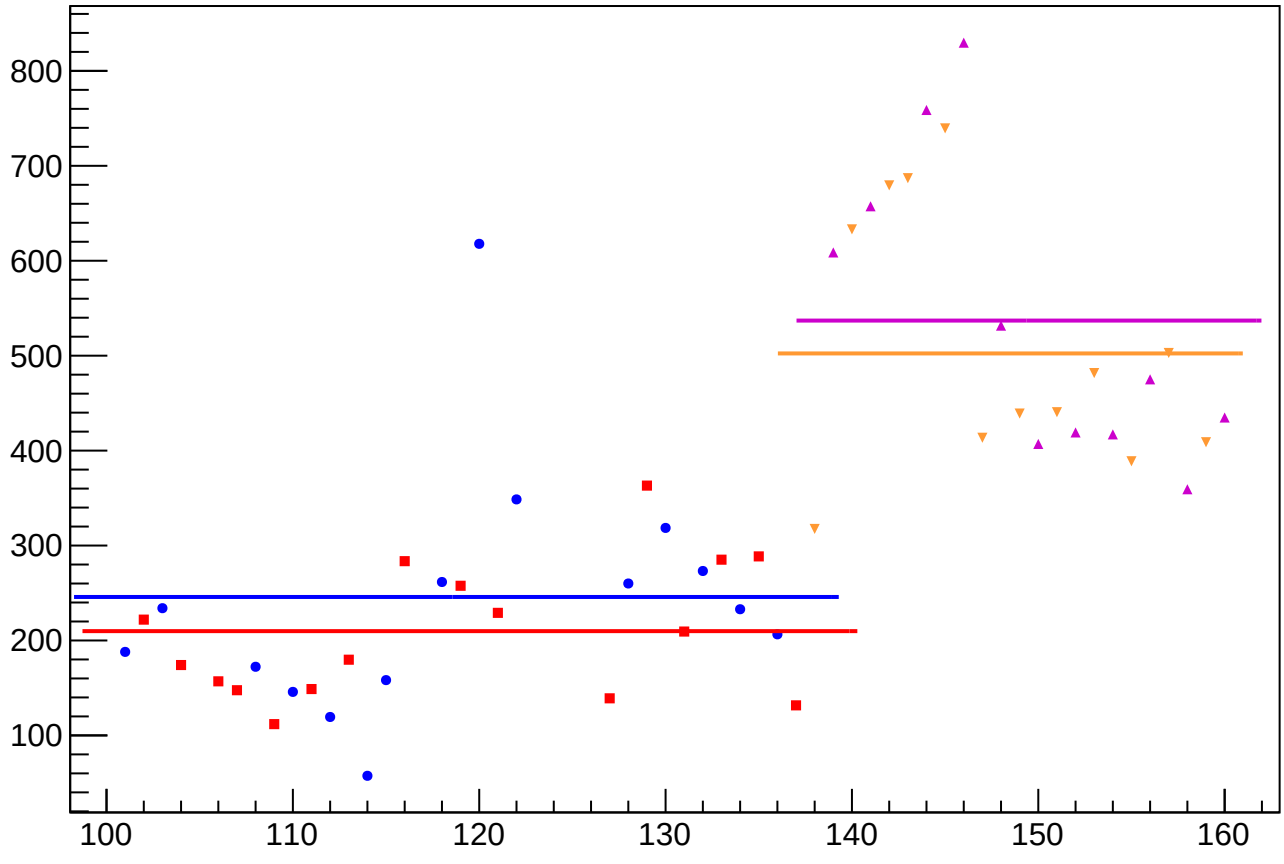
All: -23588.925+/-0.000 $\chi^2$/NDF: 448707023

Right Out: -10238.098+/-0.000 $\chi^2$/NDF: 312278611261595340319615019232237180682 24.0/15

- sign -23807.730+/-0.000 $\chi^2$/NDF: 254081310517 5

Left In: -33603.125+/-0.000 $\chi^2$/NDF:113778777412803779880766320697469430661 12.0/10

# dit_sam6_coil1_err_mean vs Slug




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

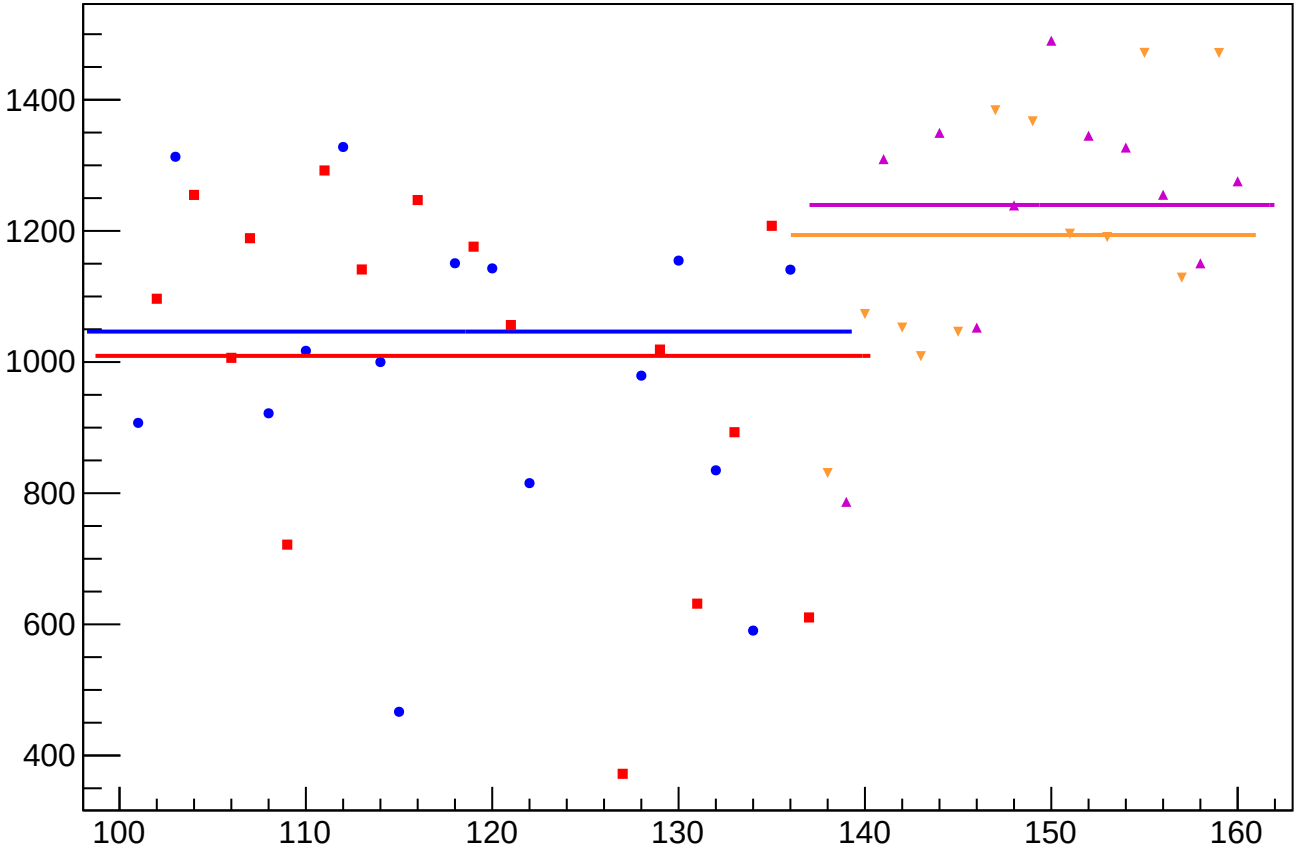
Left In: 536.975+/-0.000 $\chi^2$/NDF:2080302248640081095695836771955559628 8.0/10

+ sign 395.846+/-0.000 $\chi^2$/NDF: 479955291741577

All: 397.856+/-0.000 $\chi^2$/NDF: 11339404452

- sign 399.831+/-0.000 $\chi^2$/NDF: 653859962401754

# dit_sam6_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

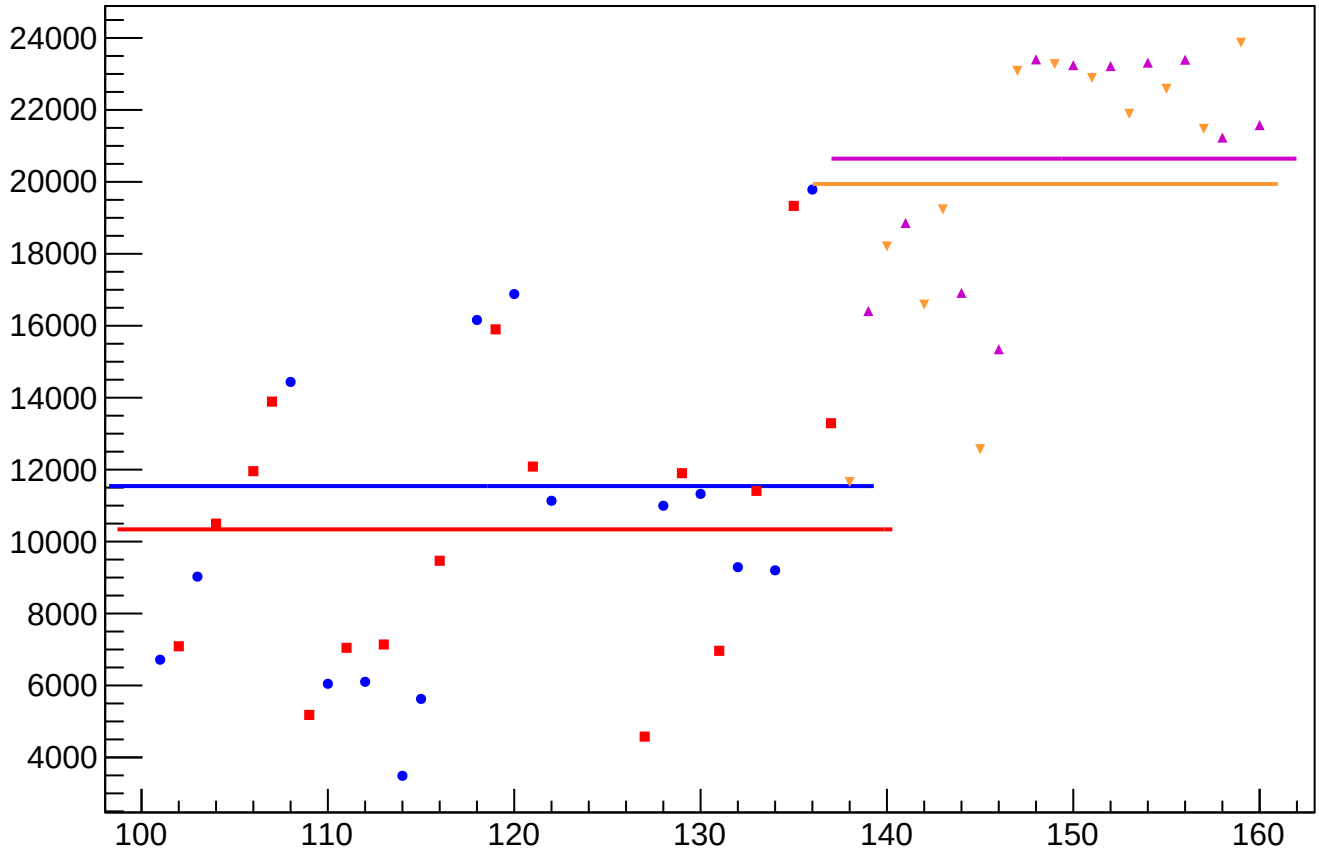
Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

# dit_sam7_coil1_mean vs Slug




Right In: 11542.759+/-0.000 $\chi^2$/NDF: 1423354312323856635722676621901468742451 2.0/14

+ sign 16453.470+/-0.000 $\chi^2$/NDF: 5606673689556

Left Out: 19940.398+/-0.000 $\chi^2$/NDF:1506948674334586650686865800840029300326 4.0/11

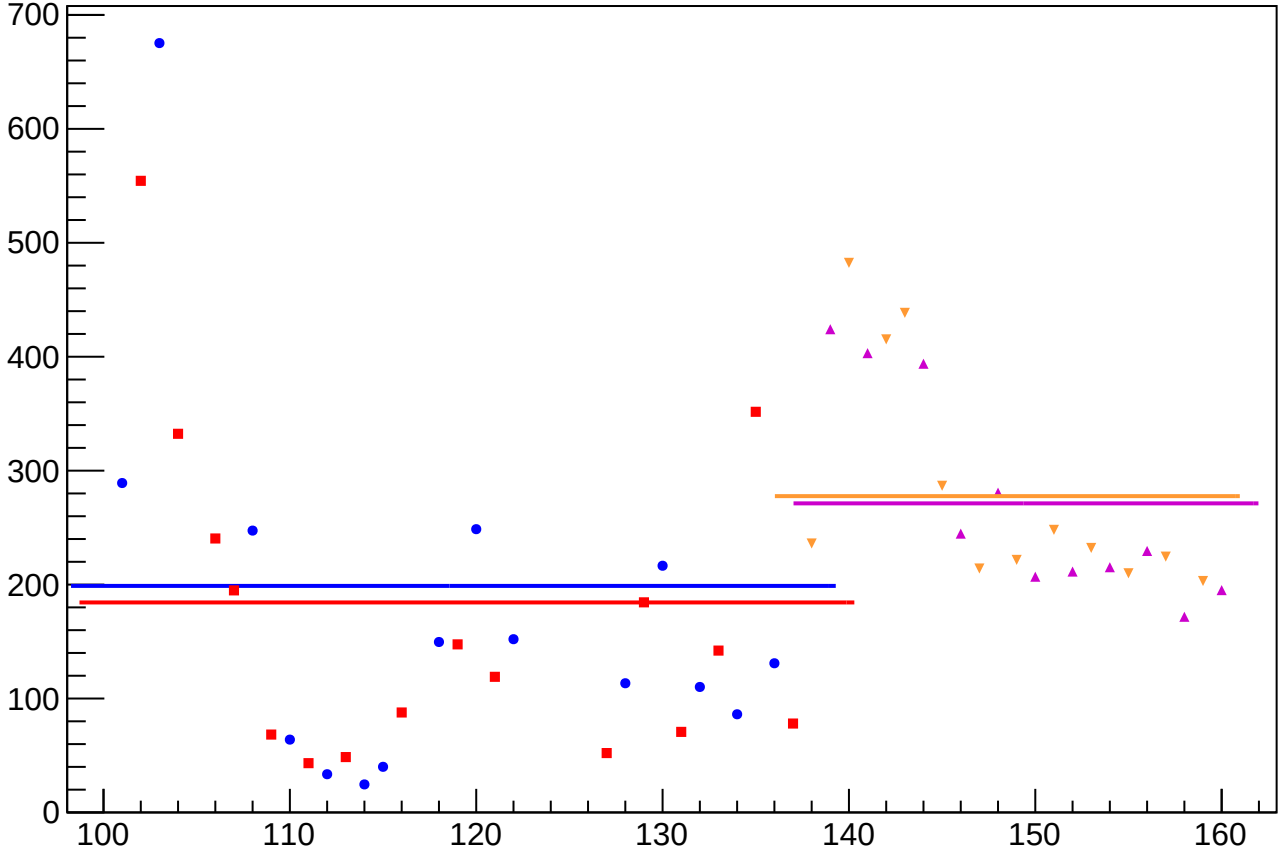
All: 16388.663+/-0.000 $\chi^2$/NDF: 1169361701

Right Out: 10339.969+/-0.000 $\chi^2$/NDF: 1126083386340675164592342006298241820262 4.0/15

- sign 16324.997+/-0.000 $\chi^2$/NDF: 6085641974902

Left In: 20645.358+/-0.000 $\chi^2$/NDF:8456327376882782804888899010558833983488.0/10

# dit_sam7_coil1_err_mean vs Slug




Right In: 198.850+/-0.000 $\chi^2$/NDF: 1833399510950343803707591694444029542 4.0/14

Left Out: 277.638+/-0.000 $\chi^2$/NDF:8038613705890486227984688847014330368.0/11

Right Out: 184.328+/-0.000 $\chi^2$/NDF: 1492743493139558860102496153837240320 0.0/15

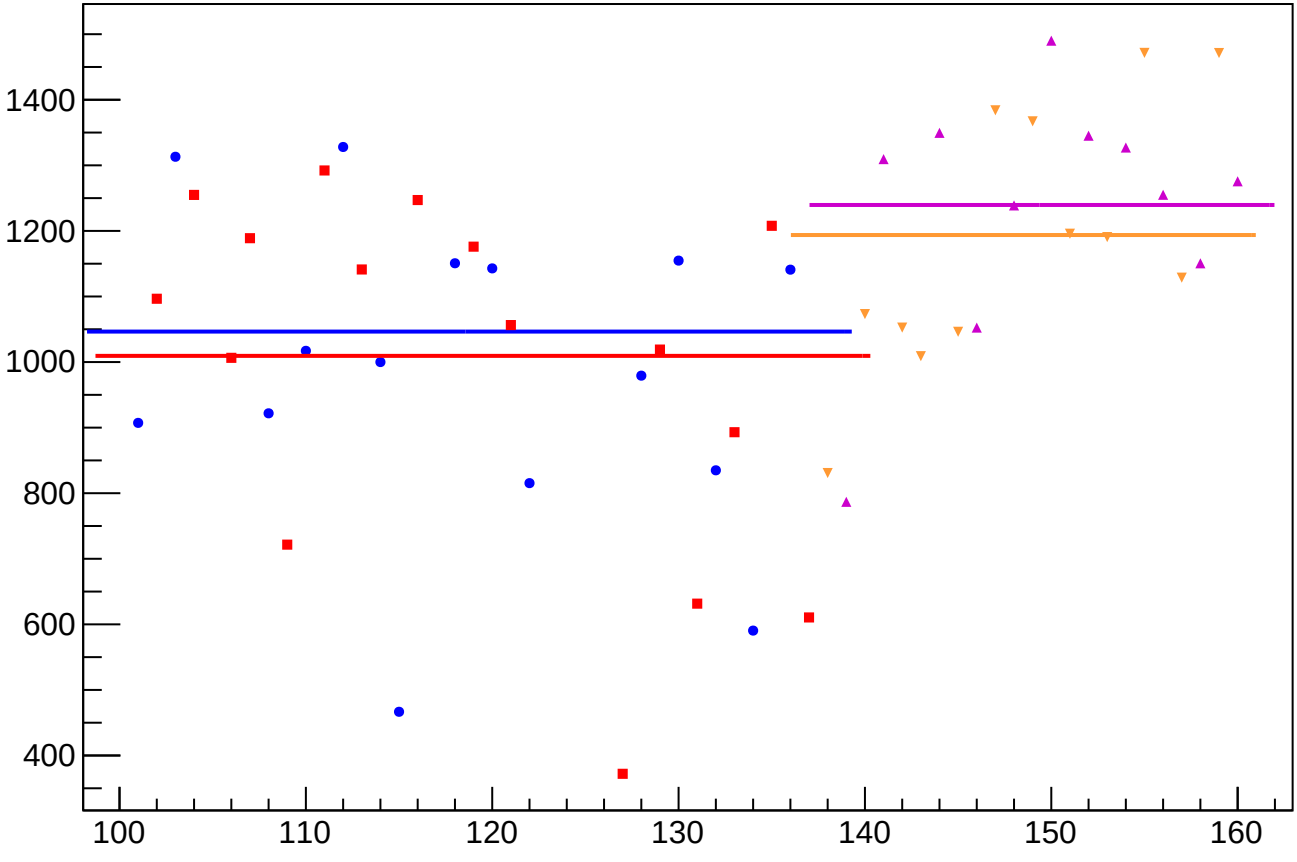
Left In: 271.291+/-0.000 $\chi^2$/NDF:7112445981030520145066814103974051840.0/10

+ sign 244.923+/-0.000 $\chi^2$/NDF: 28728439795092 7

All: 239.833+/-0.000 $\chi^2$/NDF: 5377808377 00

- sign 234.833+/-0.000 $\chi^2$/NDF: 24969382199818 6

# dit_sam7_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

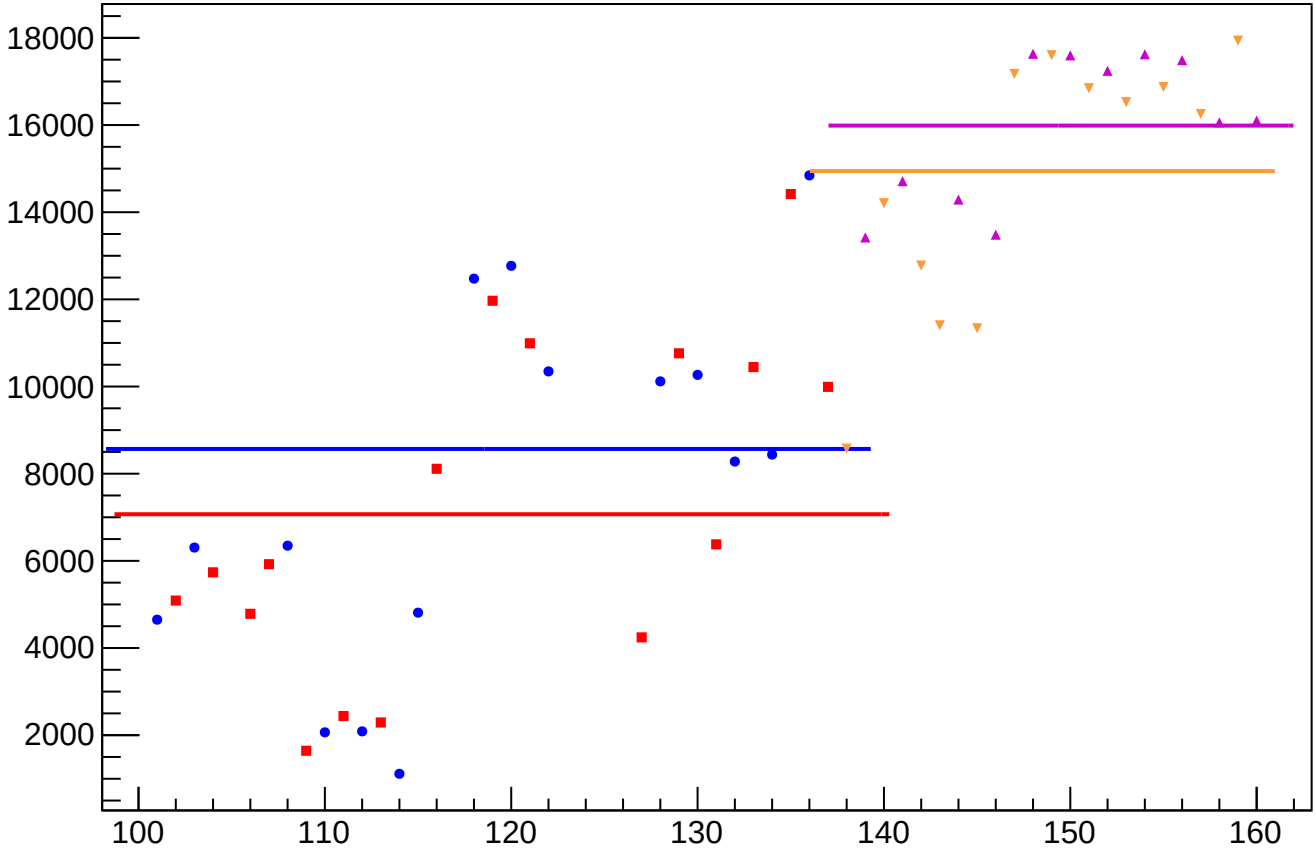
Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

# dit_sam8_coil1_mean vs Slug




Right In: 8567.784+/-0.000 $\chi^2$/NDF: 1110604887897250136642905567964570845184 0.0/14

+ sign 12296.165+/-0.000 $\chi^2$/NDF: 3443417214700

Left Out: 14943.560+/-0.000 $\chi^2$/NDF:7900539606524387386359998406585036570624.0/11

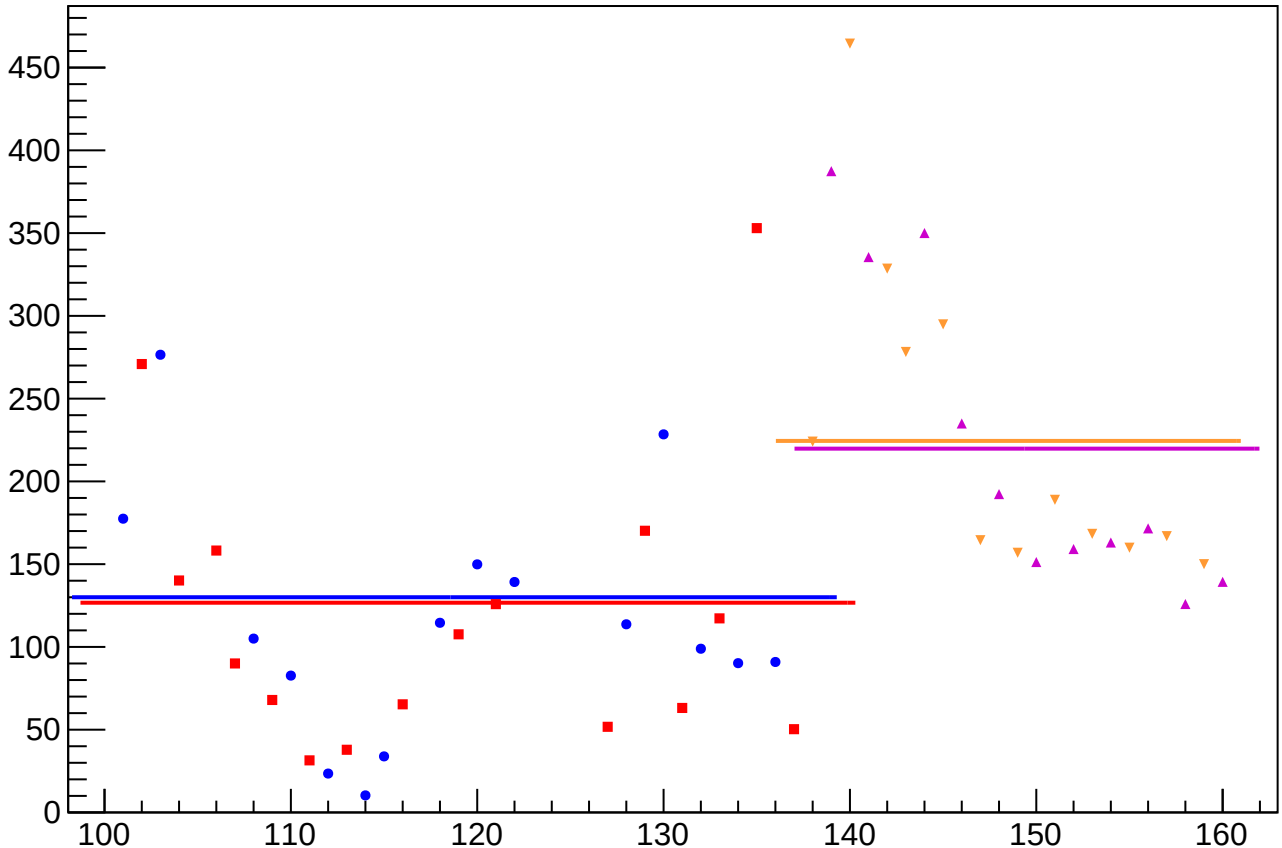
All: 12272.324+/-0.000 $\chi^2$/NDF: 7778802513

Right Out: 7069.884+/-0.000 $\chi^2$/NDF: 1007686236350265211137821053966438786 6624.0/15

- sign 12248.903+/-0.000 $\chi^2$/NDF: 4335209183534

Left In: 15987.436+/-0.000 $\chi^2$/NDF:2470393428254815728629083332629999124480.0/10

# dit_sam8_coil1_err_mean vs Slug




Right In: 130.021+/-0.000 $\chi^2$/NDF: 3115259987552341725946418665378283520.0/14

Left Out: 224.458+/-0.000 $\chi^2$/NDF:7870394140048491055430374232164401152.0/11

Right Out: 126.709+/-0.000 $\chi^2$/NDF: 5397122581297664561308621600668516352.0/15

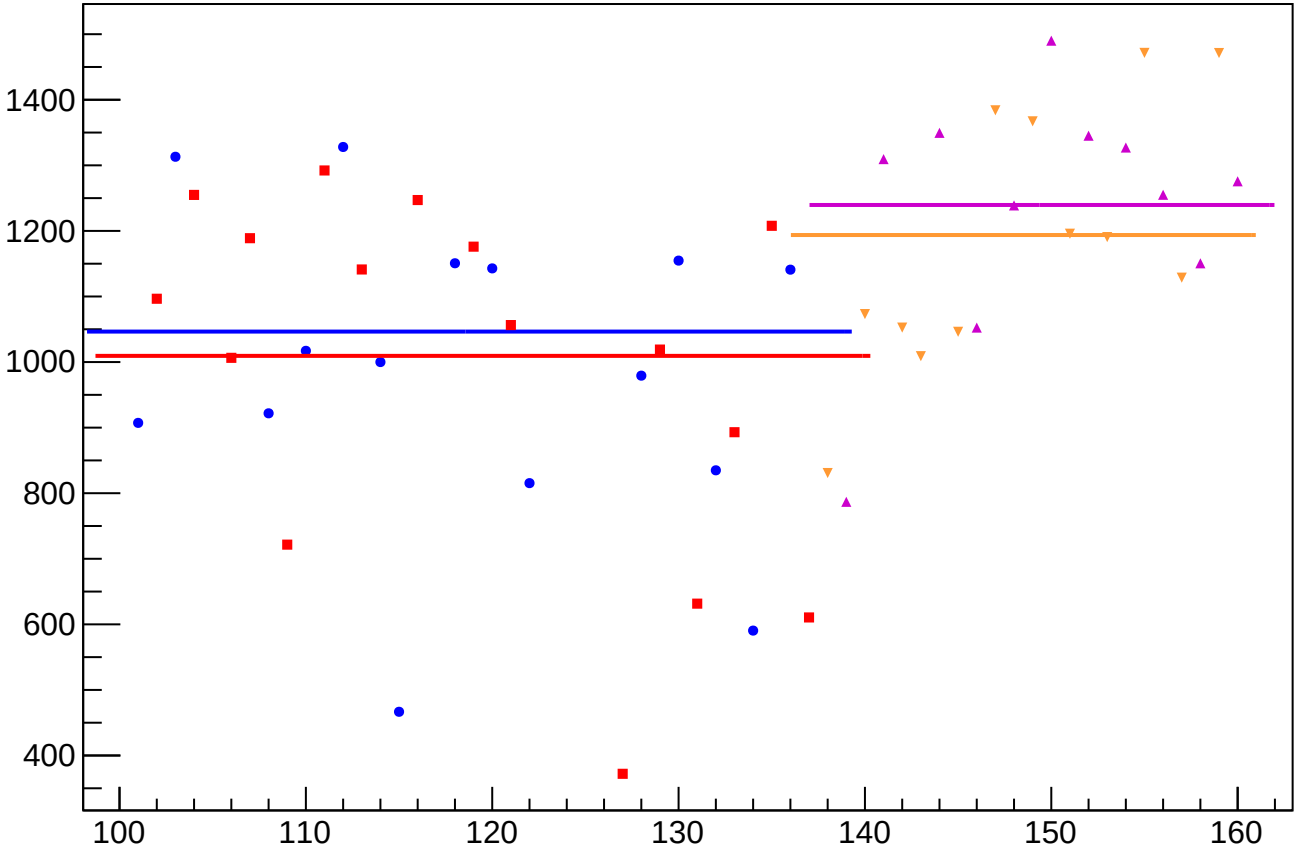
Left In: 219.787+/-0.000 $\chi^2$/NDF:7418609629454172879787970620999860224.0/10

+ sign 185.245+/-0.000 $\chi^2$/NDF: 143703436446713

All: 182.985+/-0.000 $\chi^2$/NDF: 30557896618

- sign 180.765+/-0.000 $\chi^2$/NDF: 161717315752514

# dit_sam8_coil1_Ndata_mean vs Slug




Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14

+ sign 1132.590+/-0.000 $\chi^2$/NDF: 6748264807644 1

Left Out: 1193.726+/-0.000 $\chi^2$/NDF:3438861899426728501231071230119693516 8.0/11

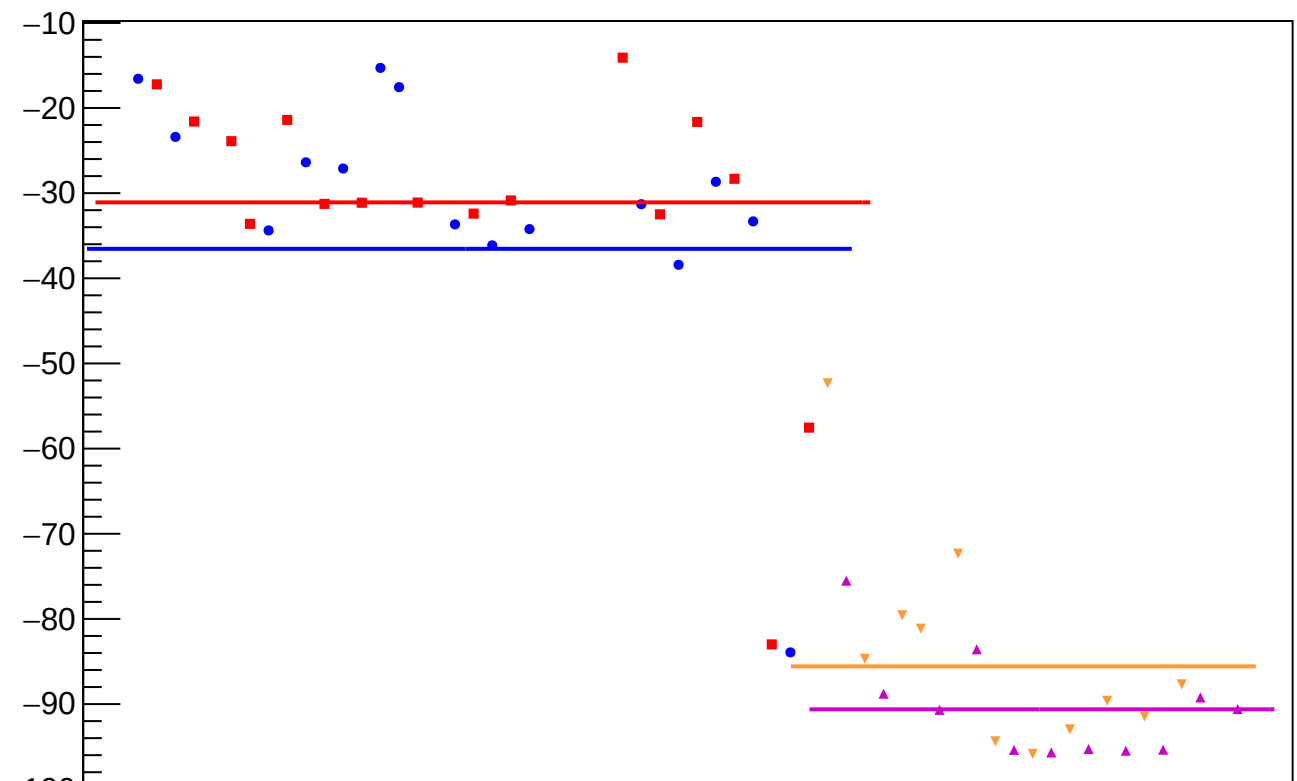
All: 1137.884+/-0.000 $\chi^2$/NDF: 1617995991 0

Right Out: 1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

- sign 1143.084+/-0.000 $\chi^2$/NDF: 9423011957203 0

Left In: 1239.553+/-0.000 $\chi^2$/NDF:2911618033042550524259403070439004569 6.0/10

# dit_4aX_coil3_mean vs Slug




Right In: -36.540+/-0.000 $\chi^2$/NDF: 2543518678614446092026376338643353 60.0/14

Left Out: -85.570+/-0.000 $\chi^2$/NDF:1435577762575479908655916407324672 00.0/11

Right Out: -31.085+/-0.000 $\chi^2$/NDF: 1812910791193816361784084988763832 32.0/15

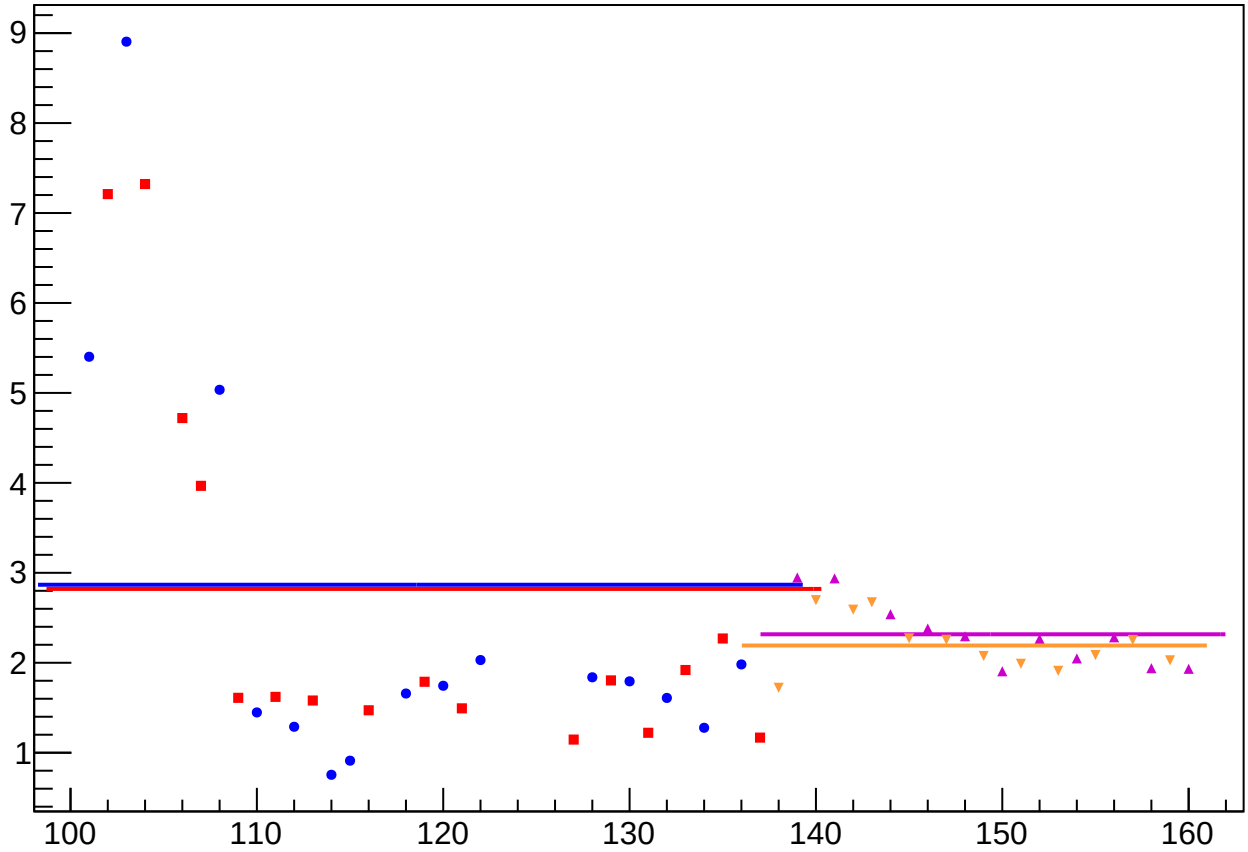
Left In: -90.618+/-0.000 $\chi^2$/NDF:3308983308362640811729795549862297 6.0/10

+ sign -65.212+/-0.000 $\chi^2$/NDF: 131026728865009

All: -65.438+/-0.000 $\chi^2$/NDF: 289770508585

- sign -65.660+/-0.000 $\chi^2$/NDF: 1587279434769043

# dit_4aX_coil3_err_mean vs Slug




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

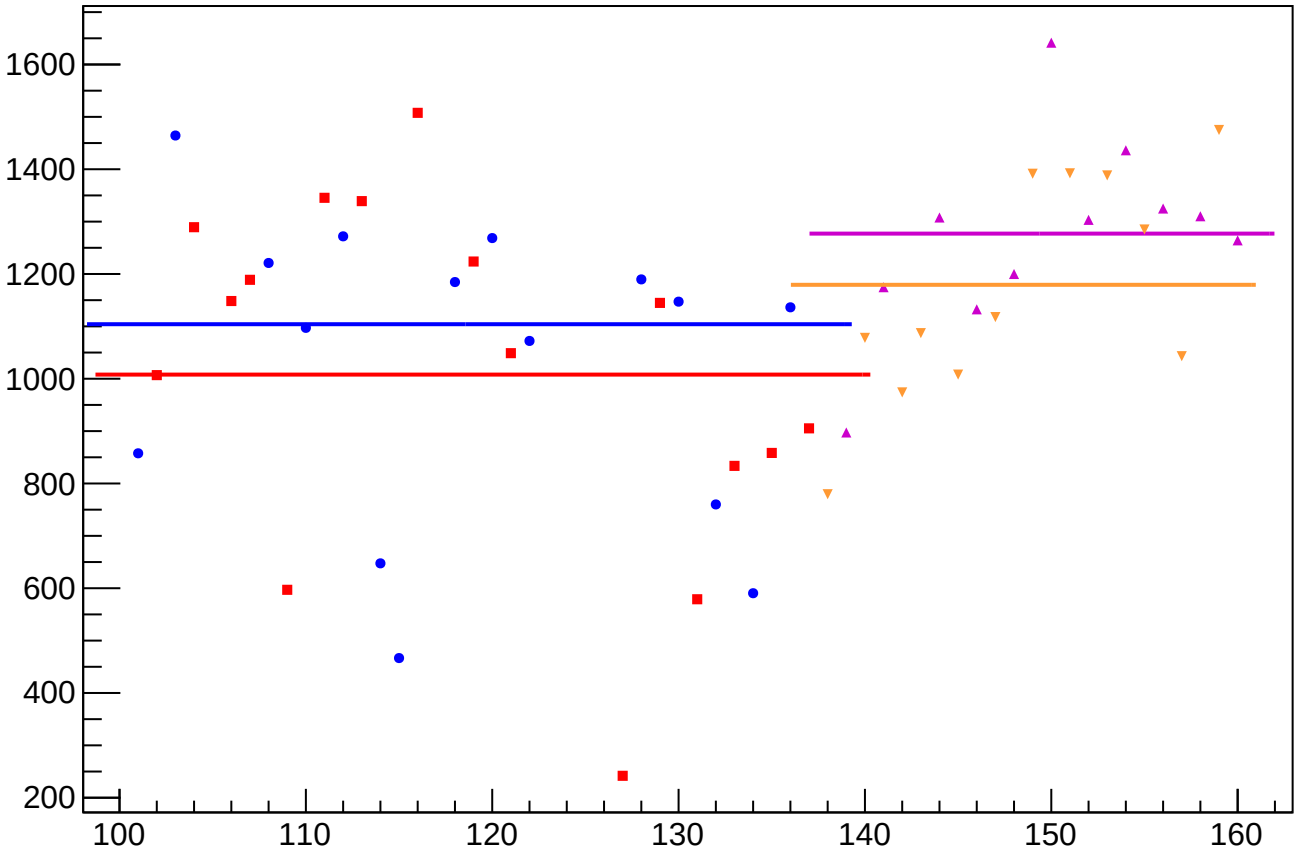
Left In: 2.317+/-0.000 $\chi^2$/NDF:1143725647250798890990132852162 56.0/10

+ sign 2.472+/-0.000 $\chi^2$/NDF: 3704648684810753 4

All: 2.501+/-0.000 $\chi^2$/NDF: 6972966397361 3

- sign 2.528+/-0.000 $\chi^2$/NDF: 3265884582788506 2

# dit_4aX_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 6907787800987396562269593962747736 8832.0/15

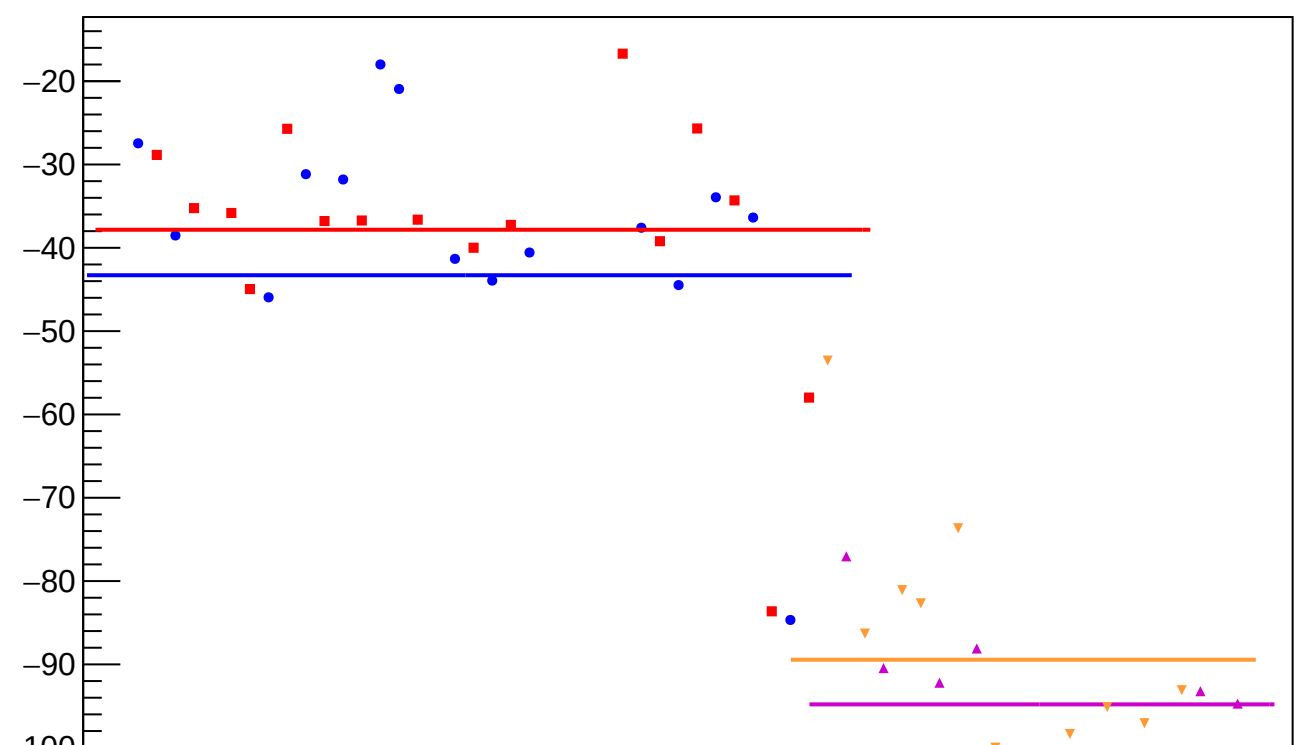
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_4eX_coil3_mean vs Slug




Right In: -43.289+/-0.000 $\chi^2$/NDF: 199342736778845281087197523996573696.0/14

Left Out: -89.439+/-0.000 $\chi^2$/NDF:1811199629856908411387884279724769 28.0/11

Right Out: -37.832+/-0.000 $\chi^2$/NDF: 1486839339772049366346368438973235 20.0/15

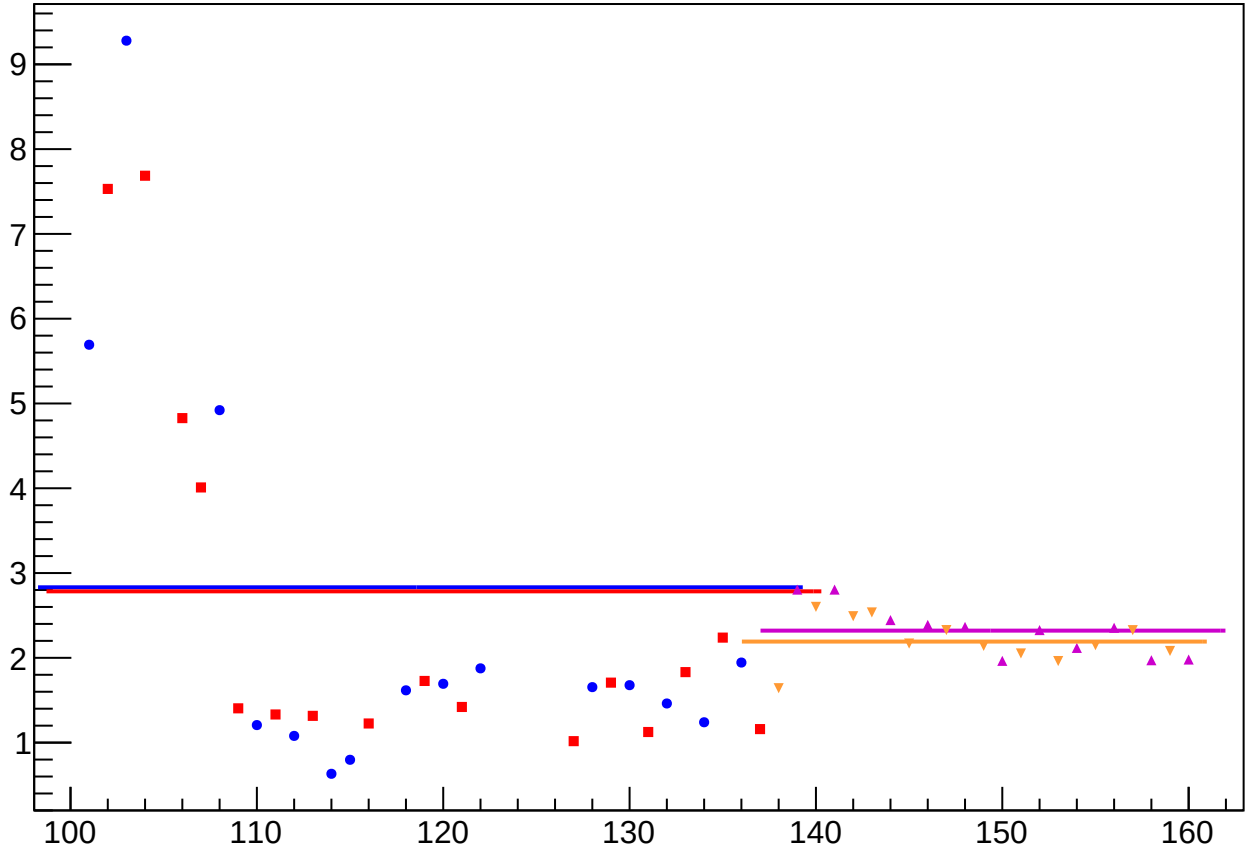
Left In: -94.799+/-0.000 $\chi^2$/NDF:4907705003261100698215696807493632 0.0/10

+ sign -70.276+/-0.000 $\chi^2$/NDF: 118874483717720

All: -70.599+/-0.000 $\chi^2$/NDF: 264393332090

- sign -70.917+/-0.000 $\chi^2$/NDF: 1454865139874700

# dit_4eX_coil3_err_mean vs Slug




Right In: 2.832+/-0.000 $\chi^2$/NDF: 39576725319290173285125643231559 68.0/14

+ sign 2.458+/-0.000 $\chi^2$/NDF: 41727539916182850

Left Out: 2.192+/-0.000 $\chi^2$/NDF:5960155924741500894781652546355 2.0/11

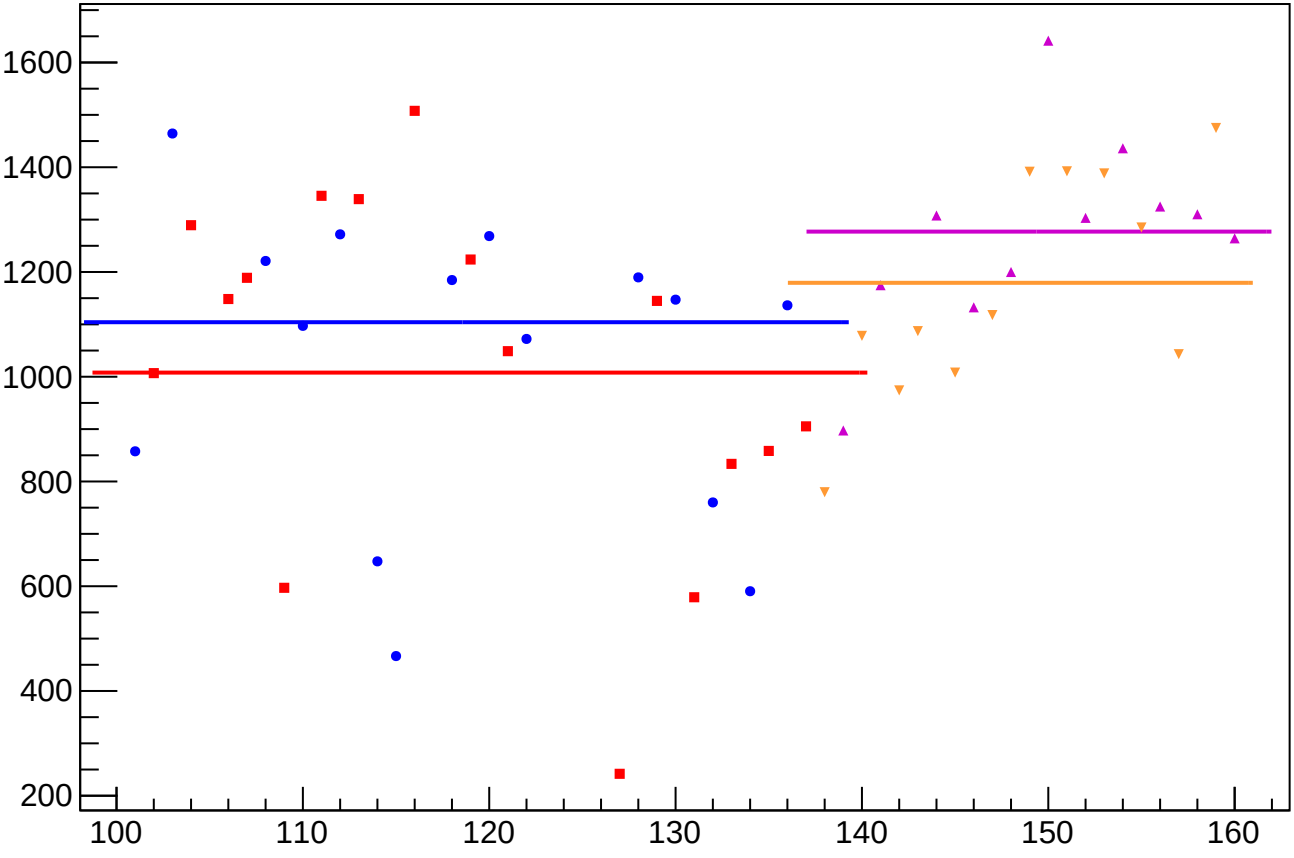
All: 2.487+/-0.000 $\chi^2$/NDF: 7922695447655 6

Right Out: 2.784+/-0.000 $\chi^2$/NDF: 35895449561081168980912368978493 44.0/15

- sign 2.515+/-0.000 $\chi^2$/NDF: 37473289103826657

Left In: 2.321+/-0.000 $\chi^2$/NDF:7461912322461632454440450523136 0.0/10

# dit_4eX_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

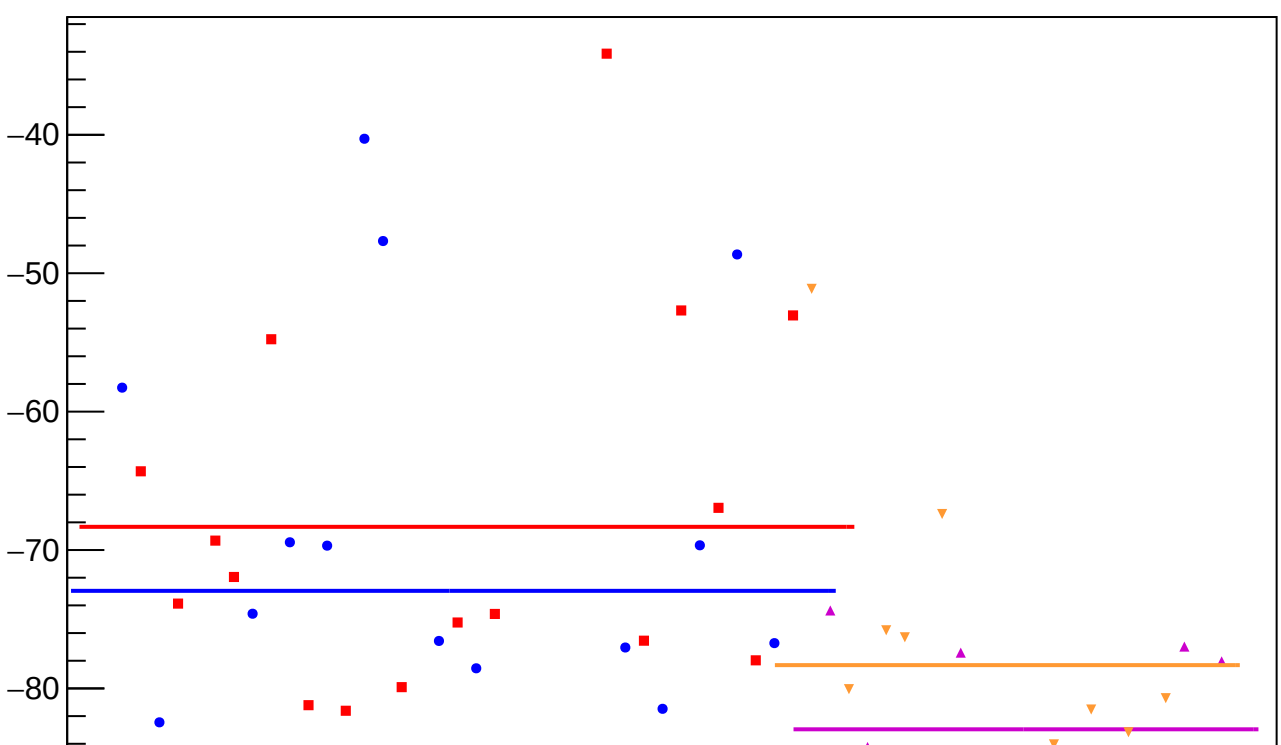
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_11X12X_coil3_mean vs Slug




Right In: -72.949+/-0.000 $\chi^2$/NDF: 657554284648579803068791262910873 60.0/14

Left Out: -78.317+/-0.000 $\chi^2$/NDF:868589325876711885940874151607664 64.0/11

Right Out: -68.324+/-0.000 $\chi^2$/NDF: 1066943448982023644833671313725849 60.0/15

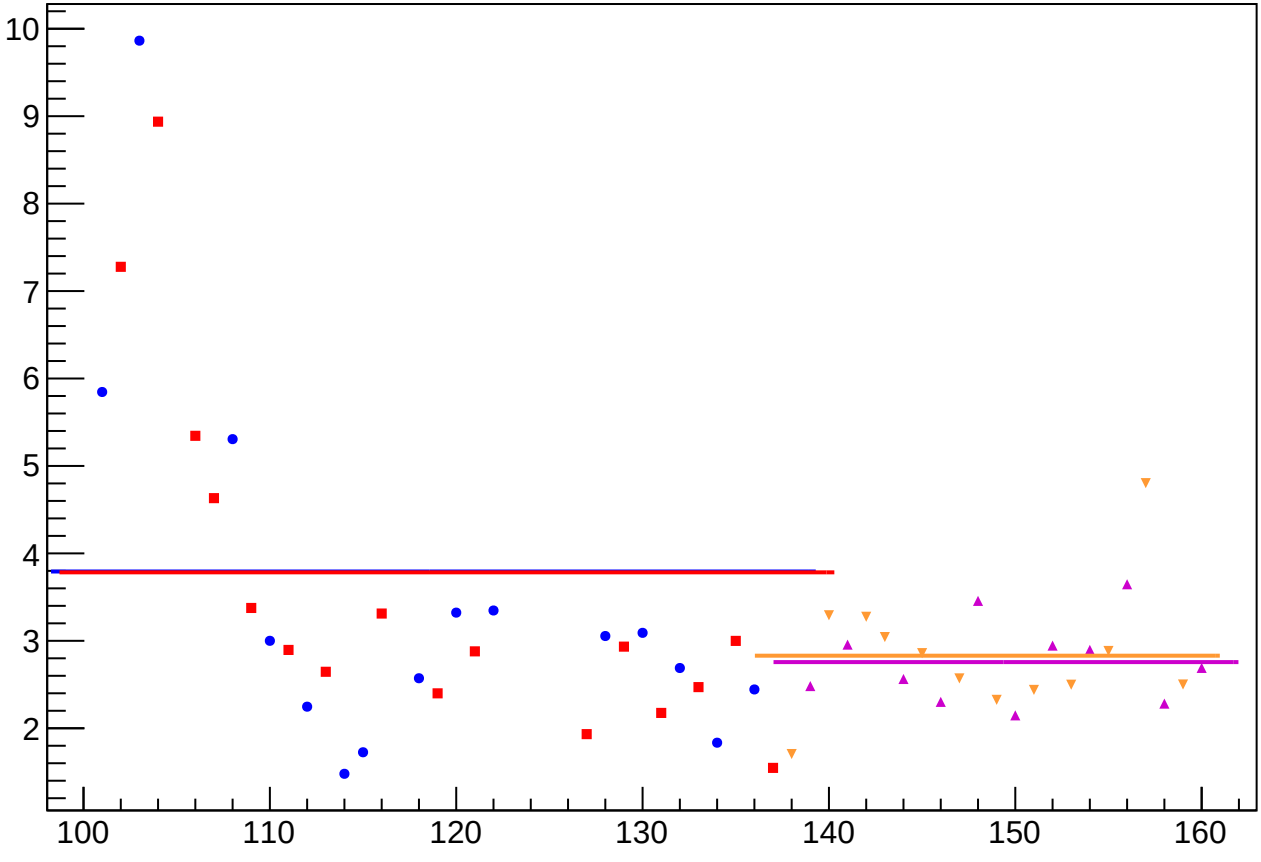
Left In: -82.954+/-0.000 $\chi^2$/NDF:204191577748772978492053031705640 96.0/10

+ sign -76.088+/-0.000 $\chi^2$/NDF: 163548804335171

All: -76.457+/-0.000 $\chi^2$/NDF: 374001309343

- sign -76.820+/-0.000 $\chi^2$/NDF: 210029328717765 7

# dit_11X12X_coil3_err_mean vs Slug




Right In: 3.793+/-0.000 $\chi^2$/NDF: 32053892427261296197962908104130 56.0/14

Left Out: 2.830+/-0.000 $\chi^2$/NDF:4927490260288389079478296211619 84.0/11

Right Out: 3.783+/-0.000 $\chi^2$/NDF: 2878586622192676654452338755371008.0/15

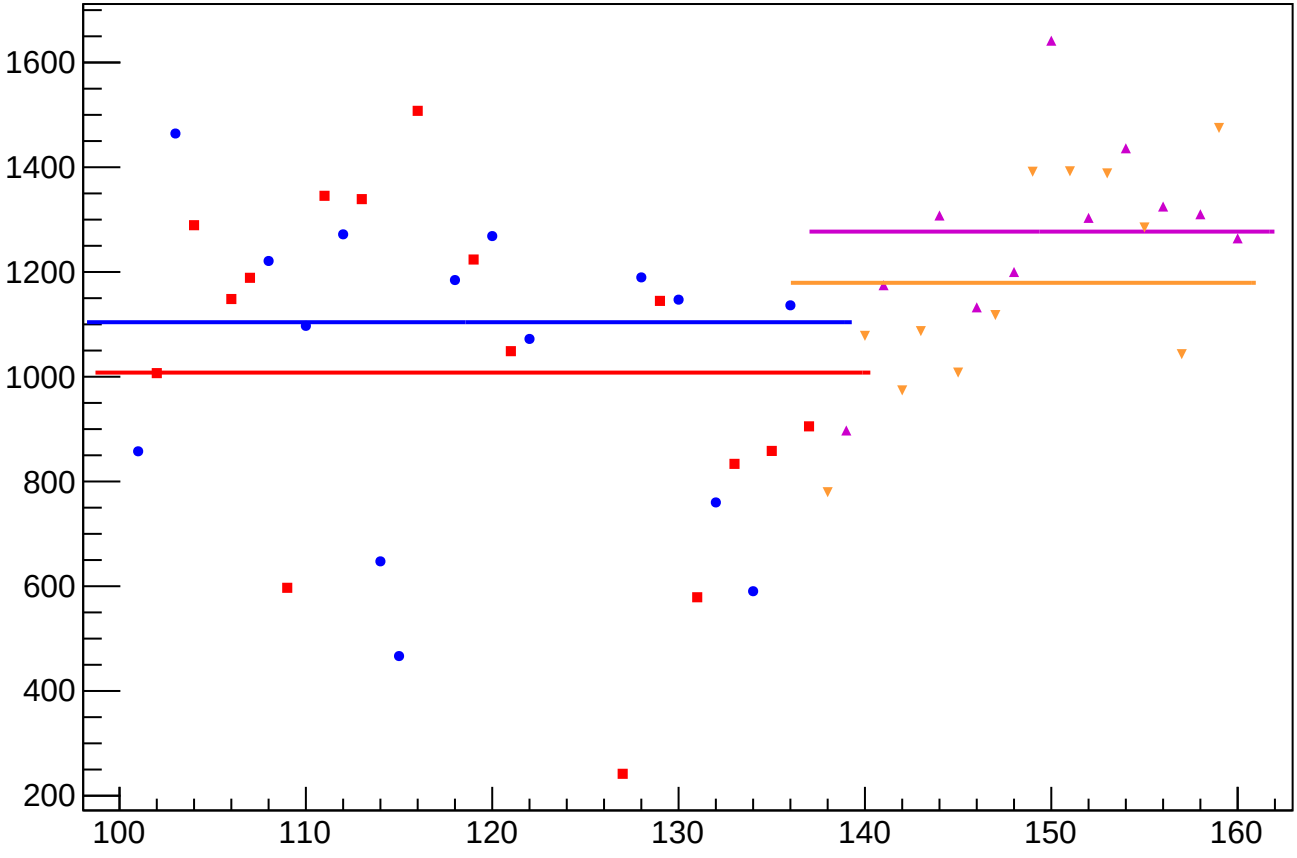
Left In: 2.757+/-0.000 $\chi^2$/NDF:1917207465477323062260540427468 80.0/10

+ sign 3.230+/-0.000 $\chi^2$/NDF: 4049963498640373 1

All: 3.208+/-0.000 $\chi^2$/NDF: 7529870581400 8

- sign 3.187+/-0.000 $\chi^2$/NDF: 3478464708331367 3

# dit_11X12X_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

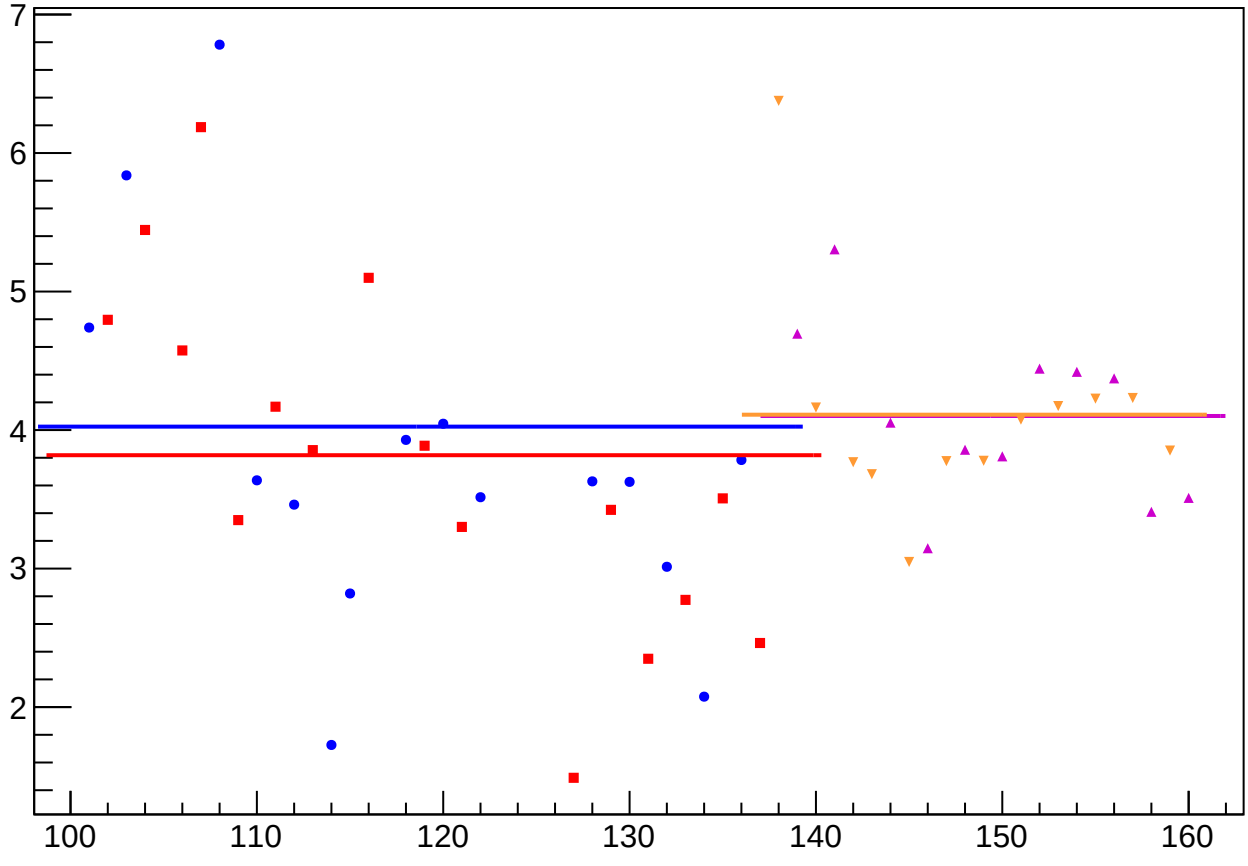
All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

# dit_4aY_coil3_mean vs Slug




Right In: 4.025+/-0.000 $\chi^2$/NDF: 769001650442321928129473832550400.0/14

+ sign 4.075+/-0.000 $\chi^2$/NDF: 13044380384615704

Left Out: 4.111+/-0.000 $\chi^2$/NDF:532620096510613693690902891986944.0/11

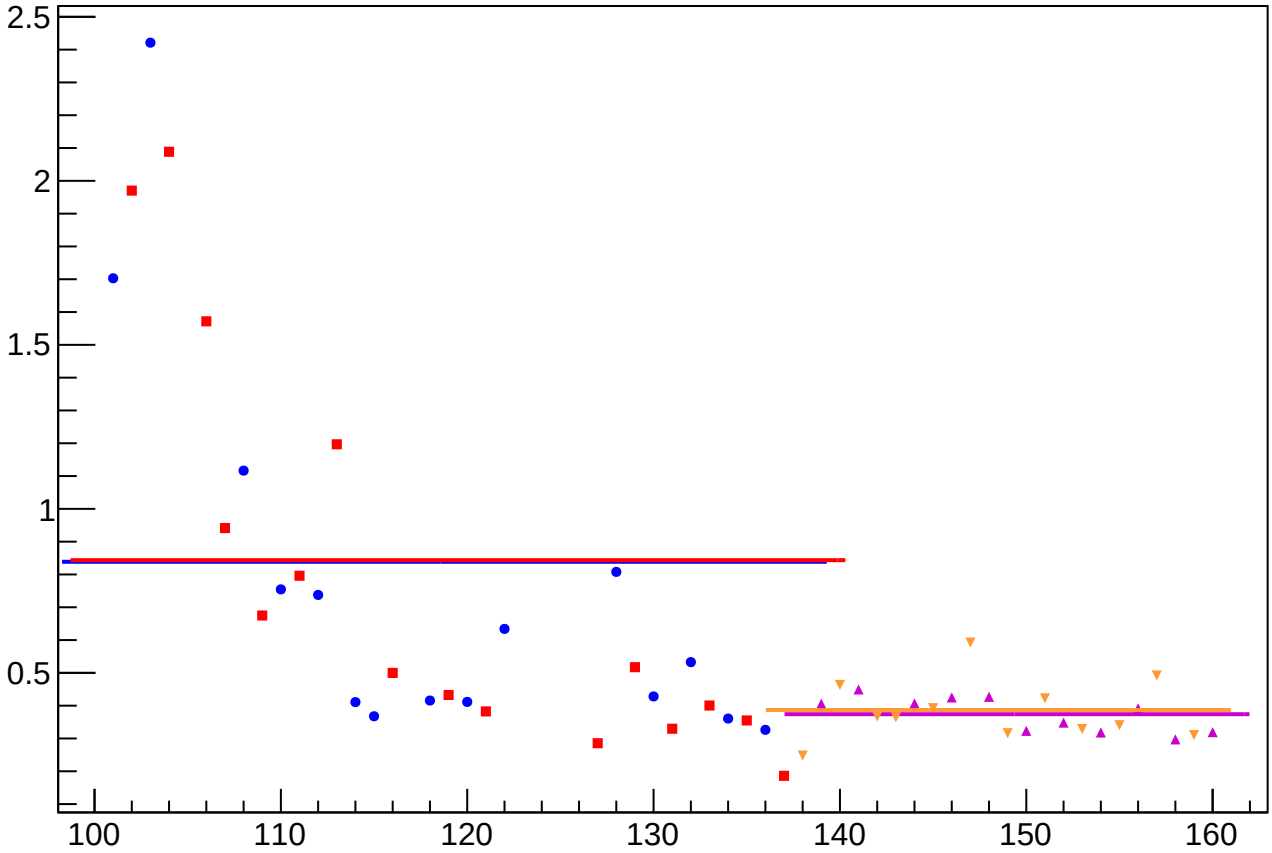
All: 4.029+/-0.000 $\chi^2$/NDF: 2560414246886

Right Out: 3.819+/-0.000 $\chi^2$/NDF: 888232240226434329114859171479552.0/15

- sign 3.983+/-0.000 $\chi^2$/NDF: 12492685976346881

Left In: 4.102+/-0.000 $\chi^2$/NDF:329978343606173709019066465779712.0/10

# dit_4aY_coil3_err_mean vs Slug




Right In: 0.839+/-0.000 $\chi^2$/NDF: 2584160253346156615211630838415 36.0/14

Left Out: 0.387+/-0.000 $\chi^2$/NDF:7656532010606705303389852401664.0/11

Right Out: 0.844+/-0.000 $\chi^2$/NDF: 2529175093934327602406489189253 12.0/15

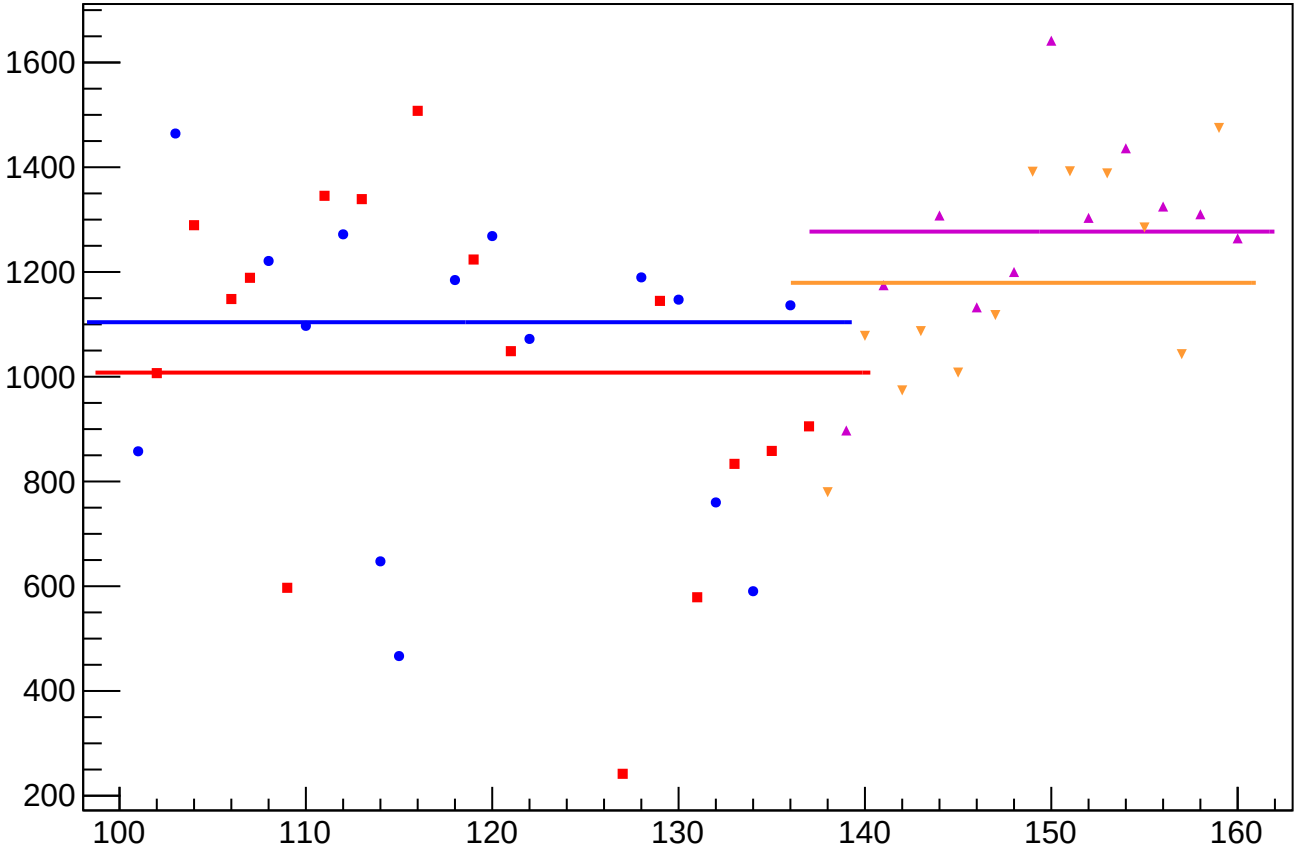
Left In: 0.374+/-0.000 $\chi^2$/NDF:2408191855928929204652403064832.0/10

+ sign 0.574+/-0.000 $\chi^2$/NDF: 3436129971052193 9

All: 0.573+/-0.000 $\chi^2$/NDF: 6843499060382 9

- sign 0.571+/-0.000 $\chi^2$/NDF: 3407270582825896 1

# dit_4aY_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 6907787800987396562269593962747736 8832.0/15

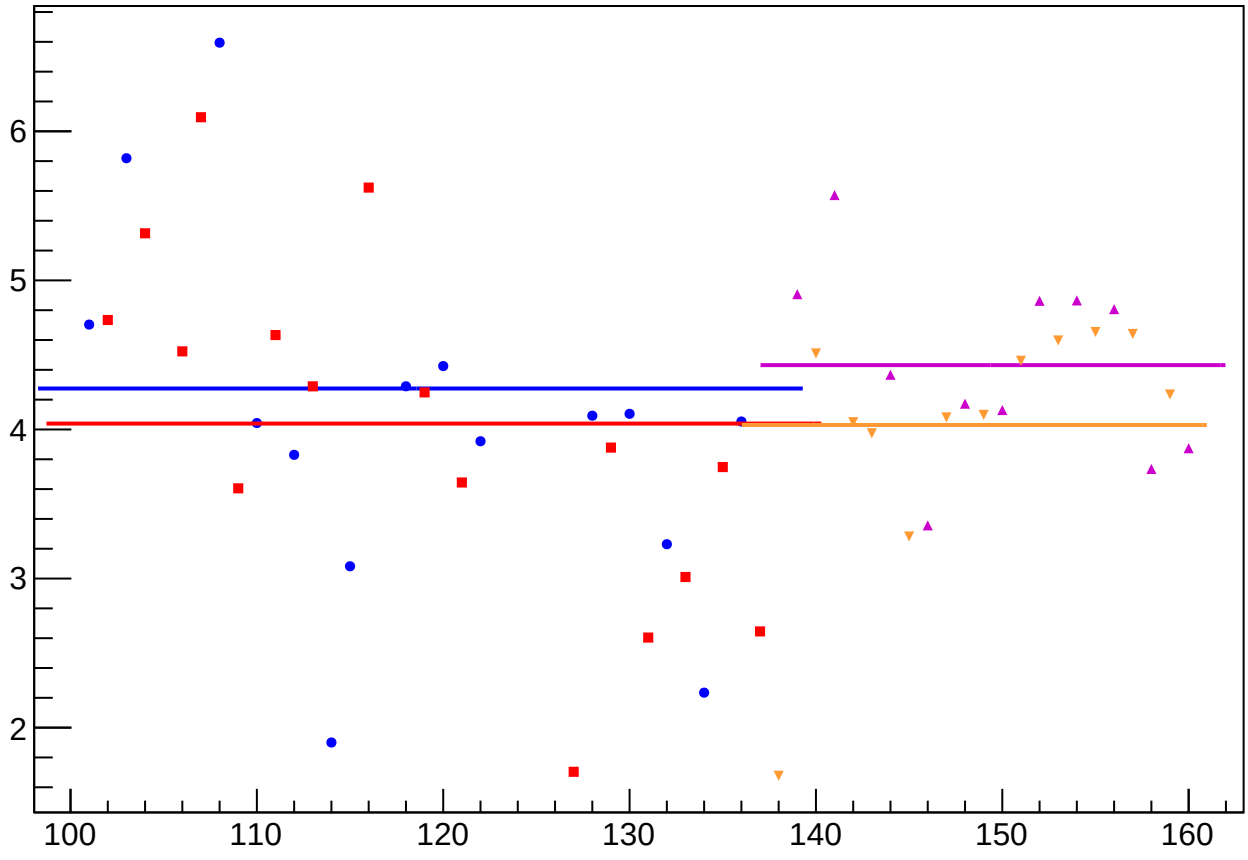
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_4eY_coil3_mean vs Slug




Right In: 4.275+/-0.000 $\chi^2$/NDF: 5971887078981988517924154355220 48.0/14

+ sign 4.132+/-0.000 $\chi^2$/NDF: 1220685145713443 6

Left Out: 4.030+/-0.000 $\chi^2$/NDF:600797720921367466879695481470976.0/11

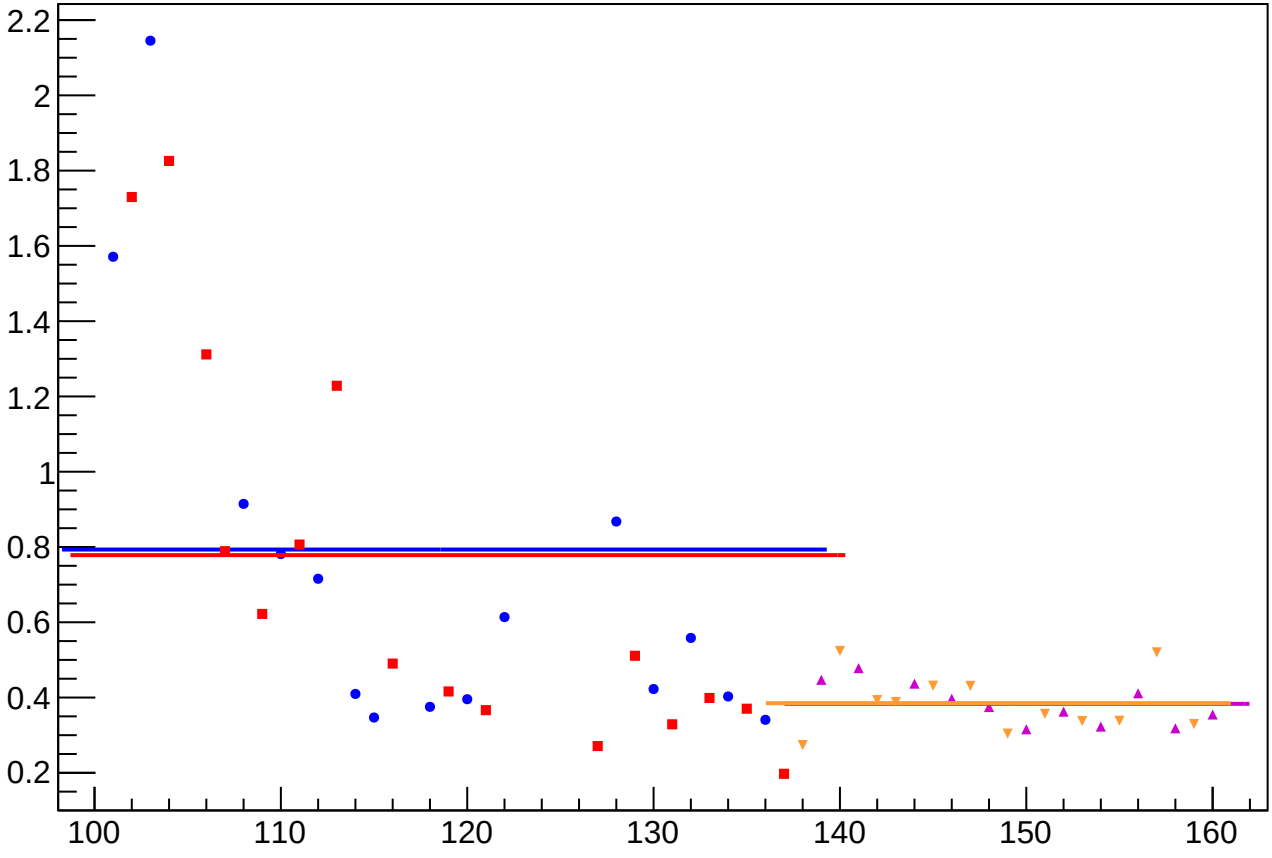
All: 4.200+/-0.000 $\chi^2$/NDF: 2412675813766 7

Right Out: 4.039+/-0.000 $\chi^2$/NDF: 7723688481944643249731087651307 52.0/15

- sign 4.267+/-0.000 $\chi^2$/NDF: 1177531921685944 1

Left In: 4.432+/-0.000 $\chi^2$/NDF:3456027031912457705542103638999 04.0/10

# dit_4eY_coil3_err_mean vs Slug




Right In: 0.793+/-0.000 $\chi^2$/NDF: 1955087771735894834403147000053 76.0/14

Left Out: 0.385+/-0.000 $\chi^2$/NDF:5547784180240414411423653822464.0/11

Right Out: 0.778+/-0.000 $\chi^2$/NDF: 1858146357721833060639036900638 72.0/15

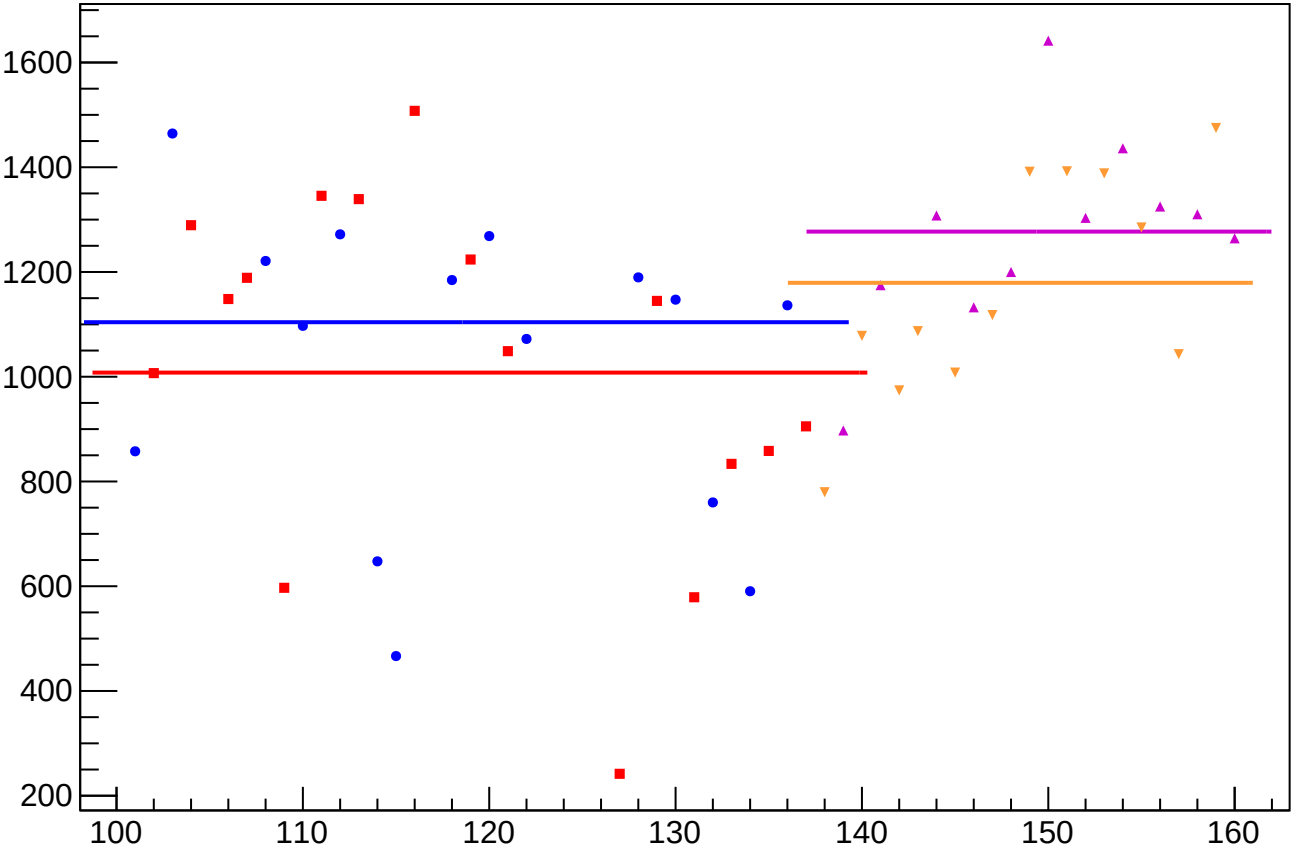
Left In: 0.383+/-0.000 $\chi^2$/NDF:2618375268437967875049691021312.0/10

+ sign 0.555+/-0.000 $\chi^2$/NDF: 2643049426834441 4

All: 0.552+/-0.000 $\chi^2$/NDF: 5132404474618 2

- sign 0.549+/-0.000 $\chi^2$/NDF: 2489112067555135 9

# dit_4eY_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 6907787800987396562269593962747736 8832.0/15

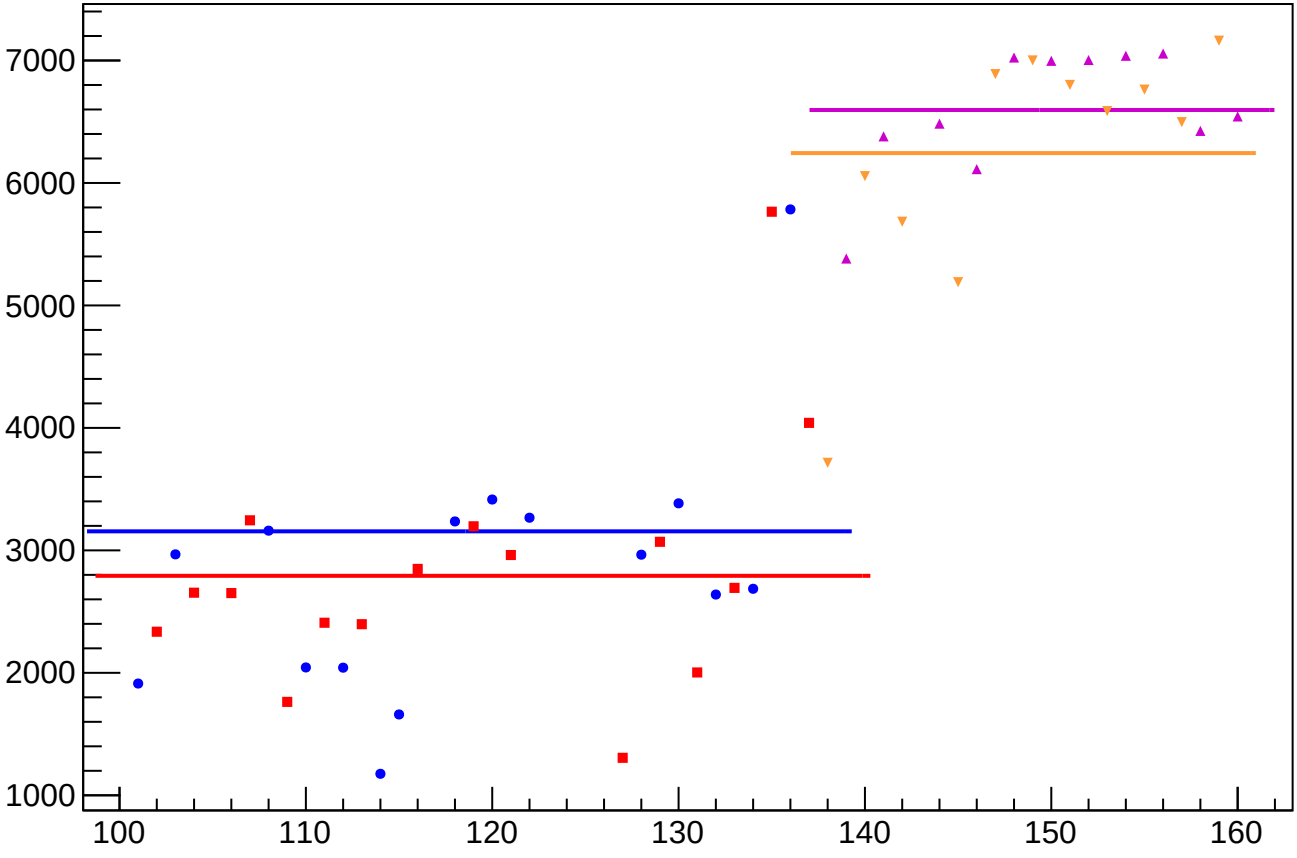
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

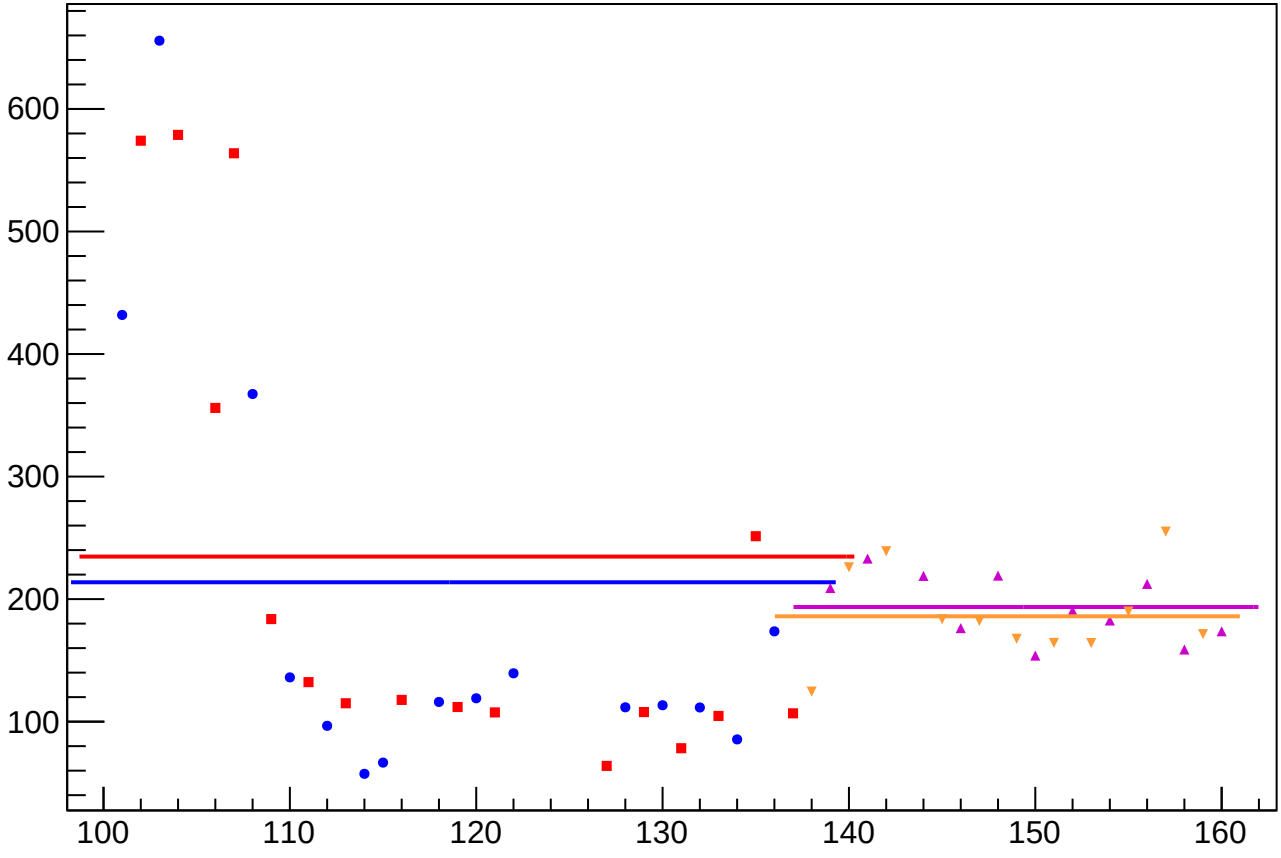
- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_usl_coil3_mean vs Slug




Right In: 3155.434+/-0.000 $\chi^2$/NDF: 9035505347736229021109182140336129966 08.0/14
+ sign 4904.094+/-0.000 $\chi^2$/NDF: 5219905519313 5
Left Out: 6243.976+/-0.000 $\chi^2$/NDF:8112307861683783027801391656887113482 24.0/10
All: 4954.171+/-0.000 $\chi^2$/NDF: 1173127883 1
Right Out: 2792.245+/-0.000 $\chi^2$/NDF: 6746357493241730019732644275309867 17184.0/15
- sign 5001.259+/-0.000 $\chi^2$/NDF: 65040940380317
Left Out: 6595.861+/-0.000 $\chi^2$/NDF:2251648057154003686710438267458640 93696.0/10

# dit_usl_coil3_err_mean vs Slug




Right In: 213.739+/-0.000 $\chi^2$/NDF: 197181381090540021143611498605072875 52.0/14

Left Out: 185.948+/-0.000 $\chi^2$/NDF:105770660759576758358797484664081612 8.0/10

Right Out: 234.712+/-0.000 $\chi^2$/NDF: 240131341071672148951890504810674257 92.0/15

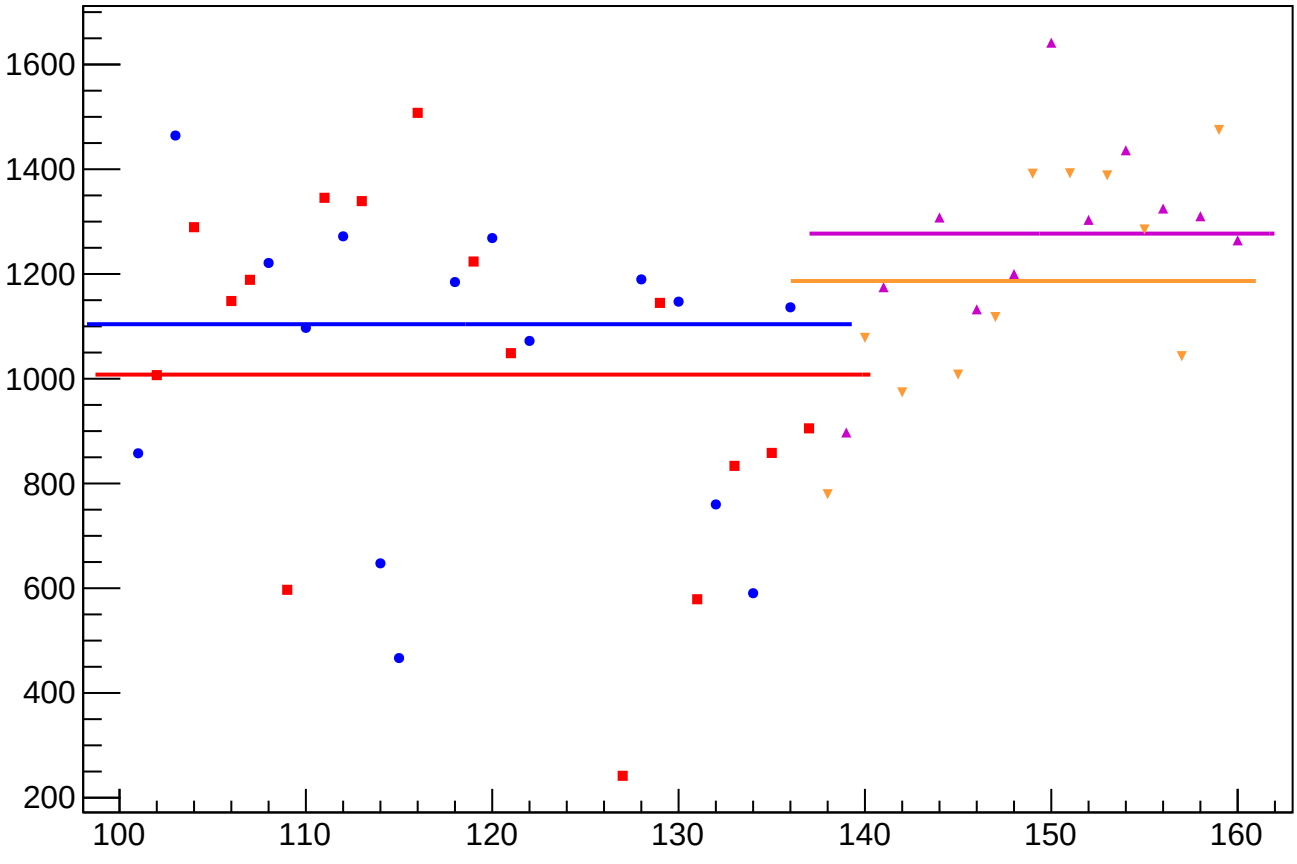
Left In: 193.543+/-0.000 $\chi^2$/NDF:598931150644293332680217057881489408.0/10

+ sign 198.004+/-0.000 $\chi^2$/NDF: 21059649970199 0

All: 204.600+/-0.000 $\chi^2$/NDF: 46454573785 3

- sign 210.803+/-0.000 $\chi^2$/NDF: 252686308073901

# dit_usl_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1186.635+/-0.000 $\chi^2$/NDF:381272901824193730906366146032361799 68.0/10

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 690778780098739656226959396274773688 32.0/15

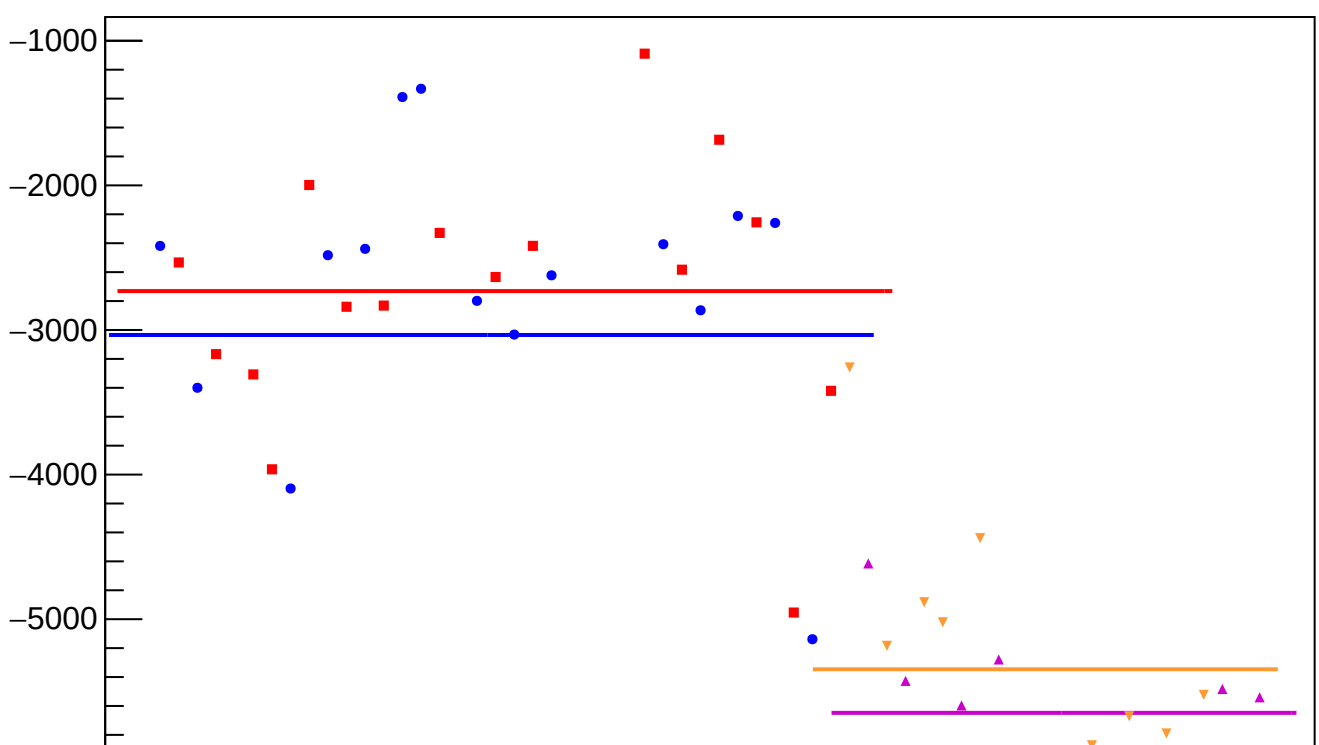
Left In: 1277.097+/-0.000 $\chi^2$/NDF:295787299016026479980738189360973742 08.0/10

+ sign 1150.834+/-0.000 $\chi^2$/NDF: 7336754837783

All: 1157.745+/-0.000 $\chi^2$/NDF: 2002333714

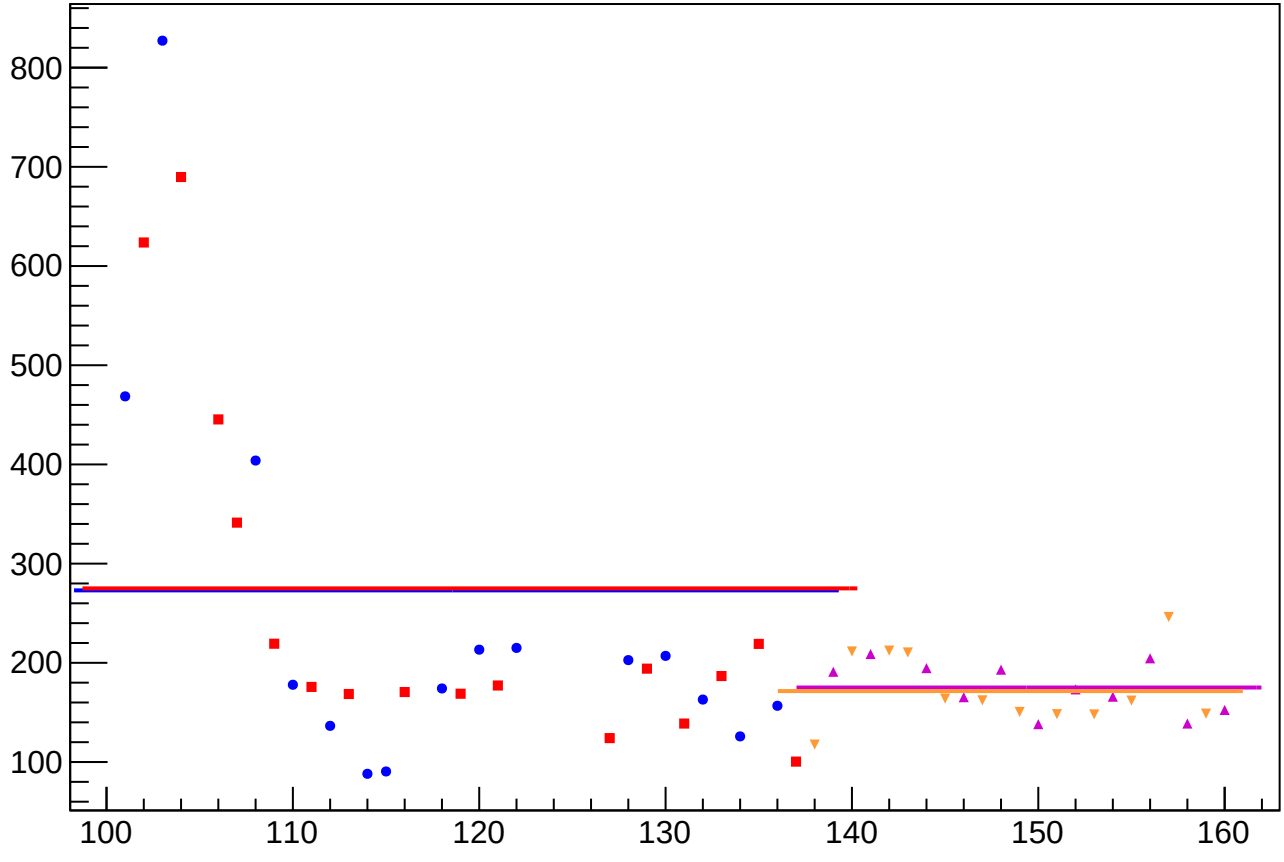
- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930

# dit_usr_coil3_mean vs Slug




Right In: -3034.527+/-0.000 $\chi^2$/NDF: 6306945533534638685473351750909197025 28.0/14
+ sign -4386.382+/-0.000 $\chi^2$/NDF: 3254755460990
Left Out: -5346.287+/-0.000 $\chi^2$/NDF:5958304557748005533830020957823377080 32.0/11
All: -4405.811+/-0.000 $\chi^2$/NDF: 7243621292
Right Out: -2731.035+/-0.000 $\chi^2$/NDF: 5282908477035679915556946292392119500 80.0/15
- sign -4424.898+/-0.000 $\chi^2$/NDF: 39876961959136
Left In: -5647.632+/-0.000 $\chi^2$/NDF:1642143129080356452151263569354917150 72.0/10

# dit_usr_coil3_err_mean vs Slug




Right In: 273.039+/-0.000 $\chi^2$/NDF: 2648593505334117509291379521218412544 0.0/14

Left Out: 171.517+/-0.000 $\chi^2$/NDF:116220444612441845226576344420607590 4.0/11

Right Out: 275.044+/-0.000 $\chi^2$/NDF: 222647600887529017925618929916570501 12.0/15

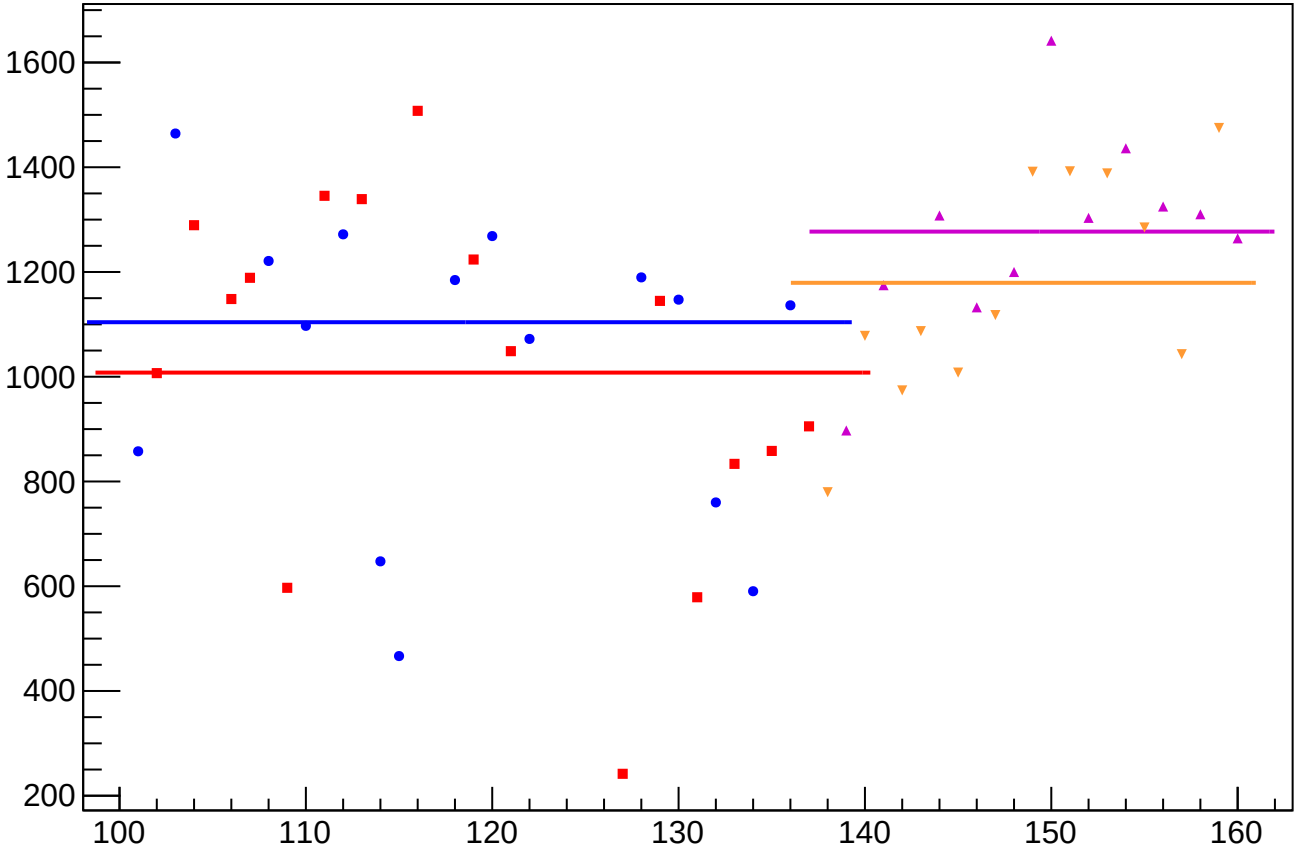
Left In: 175.100+/-0.000 $\chi^2$/NDF:532319905760316522814470909096624128.0/10

+ sign 213.672+/-0.000 $\chi^2$/NDF: 31559661573159 6

All: 215.351+/-0.000 $\chi^2$/NDF: 5823479178 10

- sign 217.000+/-0.000 $\chi^2$/NDF: 266663969074785

# dit_usr_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

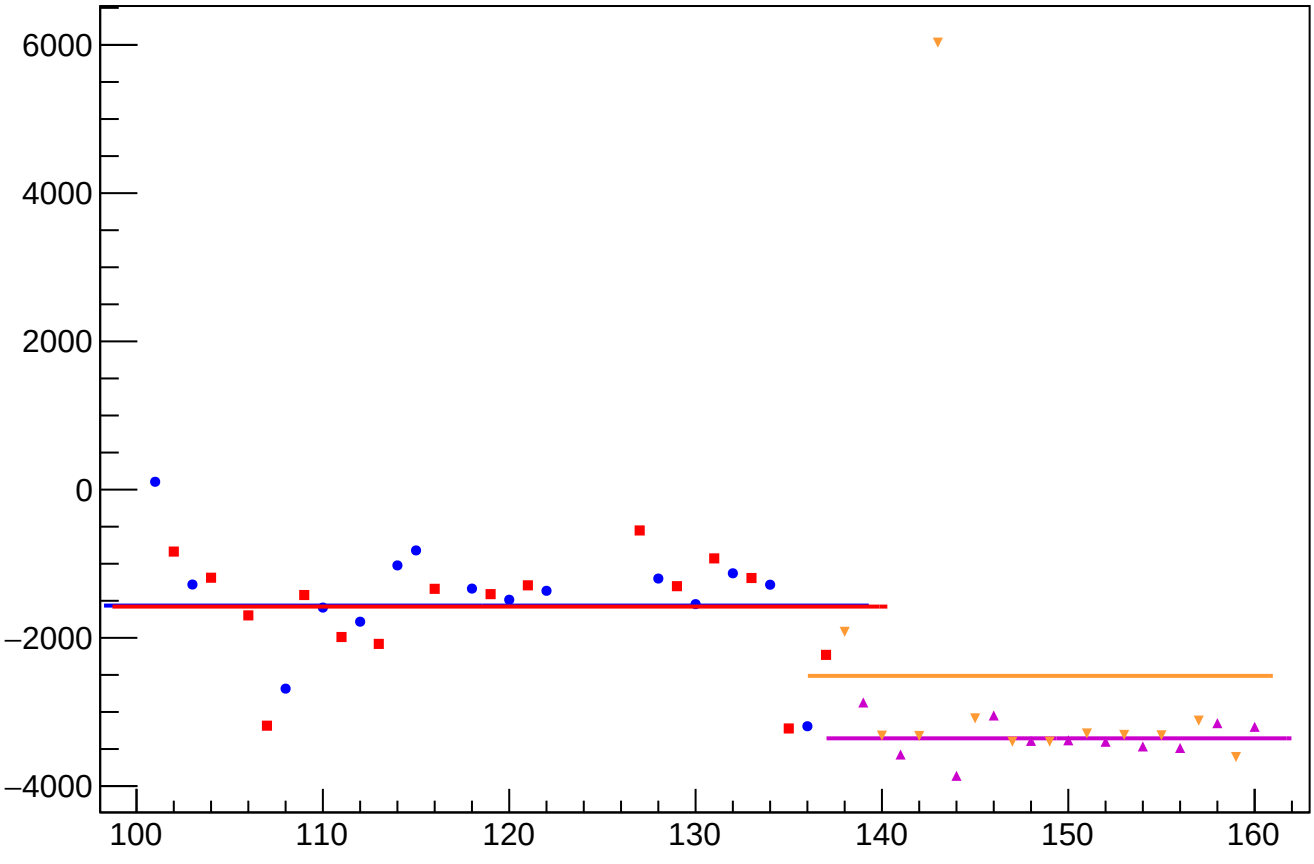
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

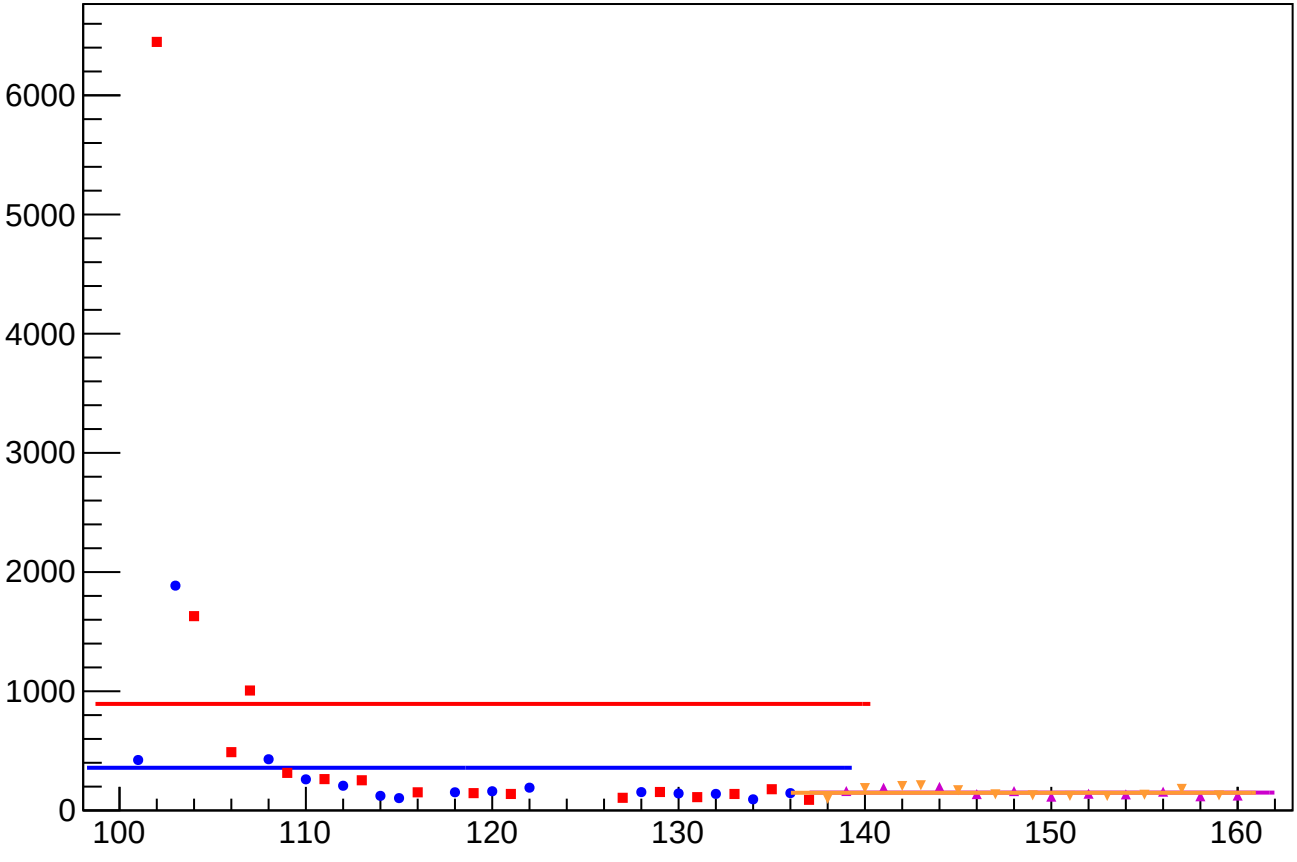
- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_atl1_coil3_mean vs Slug




Right In: -1564.595+/-0.000 $\chi^2$/NDF: 4838748009785710425789757570290391449 60.0/14
+ sign -2119.303+/-0.000 $\chi^2$/NDF: 6256498974115
Left Out: -2513.182+/-0.000 $\chi^2$/NDF:5431127813565364988673729418683400323072.0/11
All: -2367.087+/-0.000 $\chi^2$/NDF: 8100740550
Right Out: -1578.178+/-0.000 $\chi^2$/NDF: 3684505725562175640719632035810985902 08.0/15
- sign -2610.511+/-0.000 $\chi^2$/NDF: 1654003244515 9
Left In: -3355.712+/-0.000 $\chi^2$/NDF:6160312843004433398099012587709320396 8.0/10

# dit_atl1_coil3_err_mean vs Slug




Right In: 358.080+/-0.000 $\chi^2$/NDF: 1579227891456978581656444520902028165 12.0/14

+ sign 235.441+/-0.000 $\chi^2$/NDF: 17570532501070 5

Left Out: 148.359+/-0.000 $\chi^2$/NDF:1090286331733366082581256970807803904.0/11

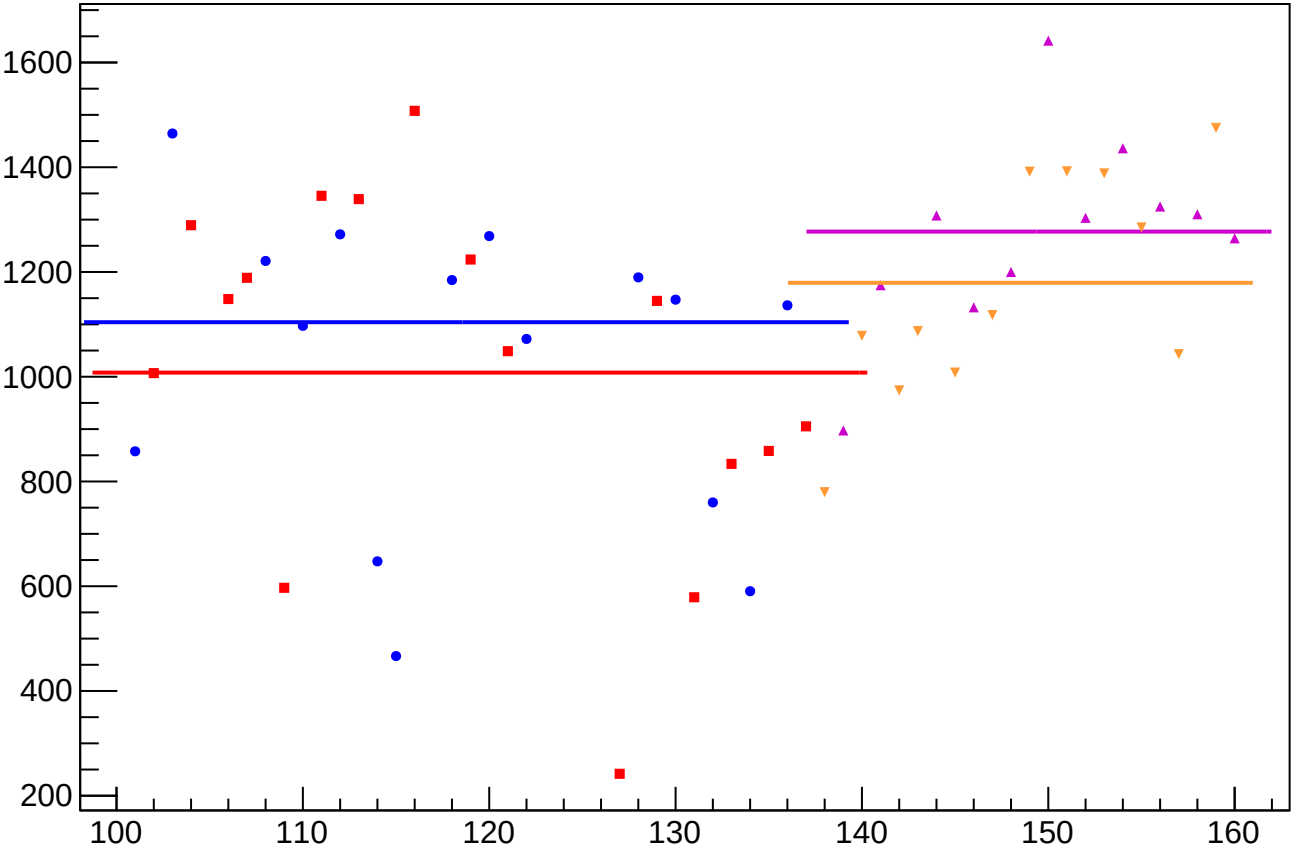
All: 349.608+/-0.000 $\chi^2$/NDF: 2507121059 72

Right Out: 893.897+/-0.000 $\chi^2$/NDF: 2075920155774201043572695656797803905024.0/15

- sign 461.767+/-0.000 $\chi^2$/NDF: 229102929368244

Left In: 149.829+/-0.000 $\chi^2$/NDF:6457567181728928043846046350049280 00.0/10

# dit_atl1_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 6907787800987396562269593962747736 8832.0/15

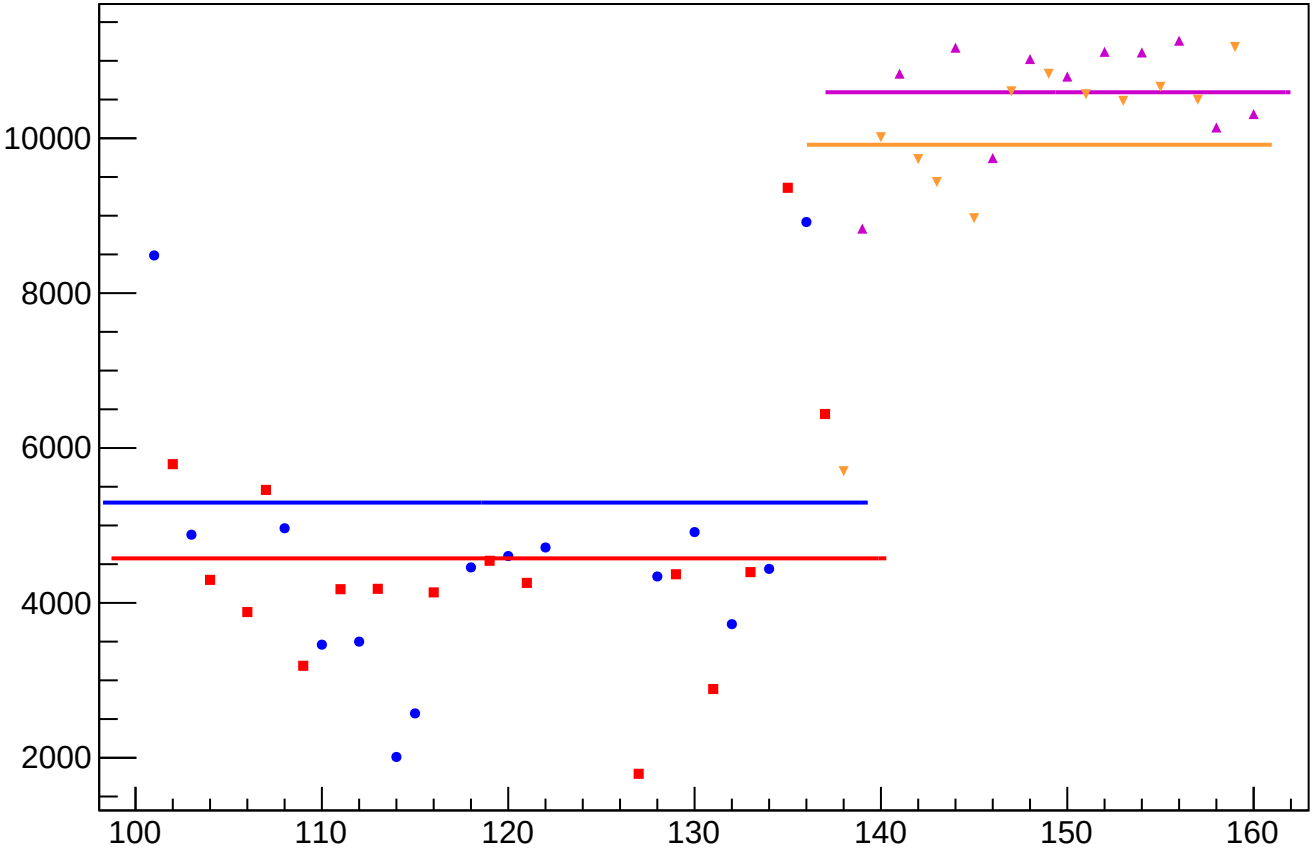
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_atl2_coil3_mean vs Slug




Right In: 5295.485+/-0.000 $\chi^2$/NDF: 250564523296826327544404801609318321356 8.0/14

Left Out: 9916.420+/-0.000 $\chi^2$/NDF:184071439275717483725448177147911654604 8.0/11

Right Out: 4575.270+/-0.000 $\chi^2$/NDF: 186332209477040373909610080007271691059 2.0/15

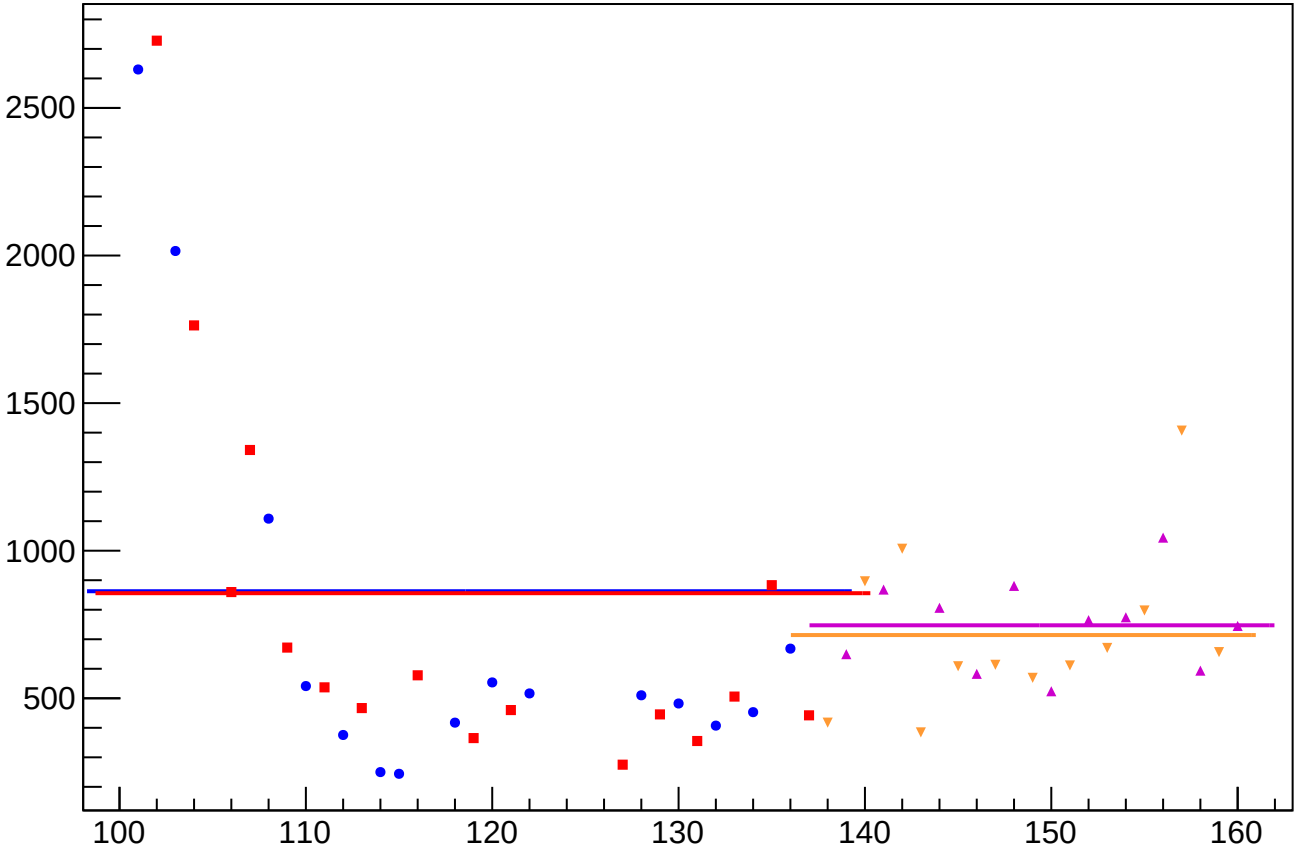
Left In: 10594.095+/-0.000 $\chi^2$/NDF:469955671378487676963254464485150162944.0/10

+ sign 7997.682+/-0.000 $\chi^2$/NDF: 1245021204237 8

All: 8034.568+/-0.000 $\chi^2$/NDF: 2882072003 4

- sign 8070.804+/-0.000 $\chi^2$/NDF: 16366292406753

# dit_atl2_coil3_err_mean vs Slug




Right In: 862.683+/-0.000 $\chi^2$/NDF: 3376840008638193150264591065257596682 24.0/14

Left Out: 714.221+/-0.000 $\chi^2$/NDF:6393682365708312414092225163706551500 8.0/11

Right Out: 856.059+/-0.000 $\chi^2$/NDF: 3271952165464447671487162246882886942 72.0/15

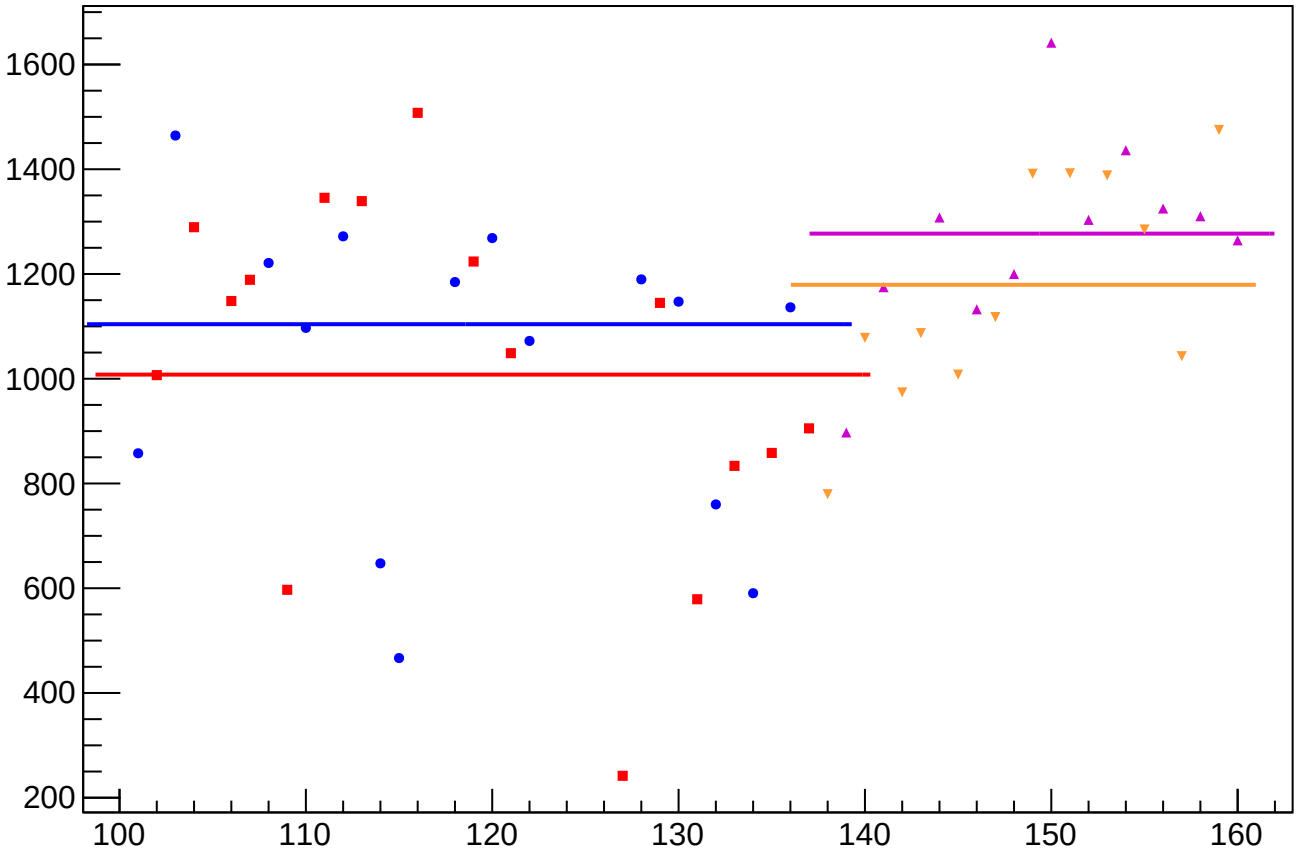
Left In: 747.275+/-0.000 $\chi^2$/NDF:1967884739572773009831064224203066572 8.0/10

+ sign 775.866+/-0.000 $\chi^2$/NDF: 409985766107580

All: 784.449+/-0.000 $\chi^2$/NDF: 7616721952 37

- sign 792.881+/-0.000 $\chi^2$/NDF: 351458177247538

# dit_atl2_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 6907787800987396562269593962747736 8832.0/15

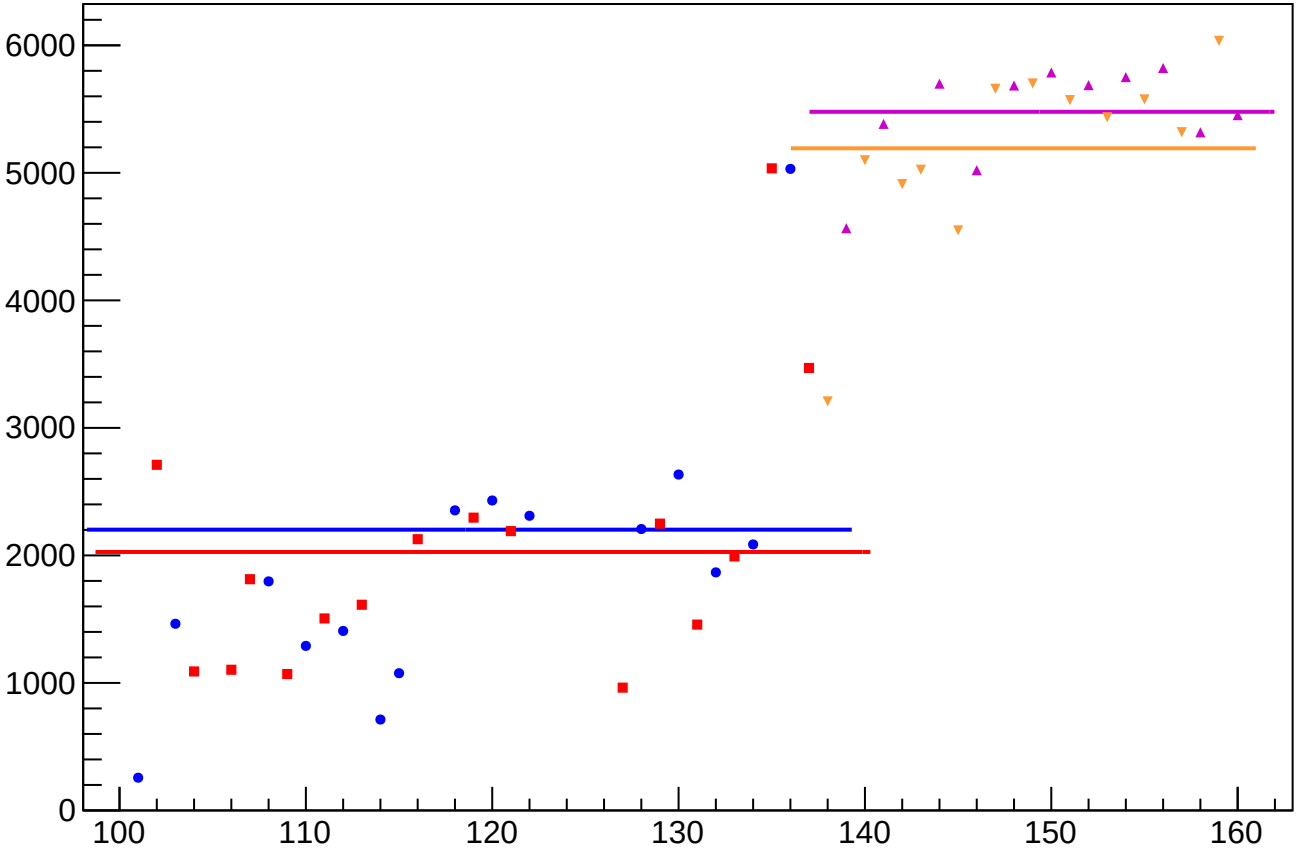
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_atr1_coil3_mean vs Slug




Right In: 2201.844+/-0.000 $\chi^2$/NDF: 1086544775216266395419904724422998622208.0/14

+ sign 3950.684+/-0.000 $\chi^2$/NDF: 4951222150241

Left Out: 5192.476+/-0.000 $\chi^2$/NDF:4703171184355329372001483465086247895 04.0/11

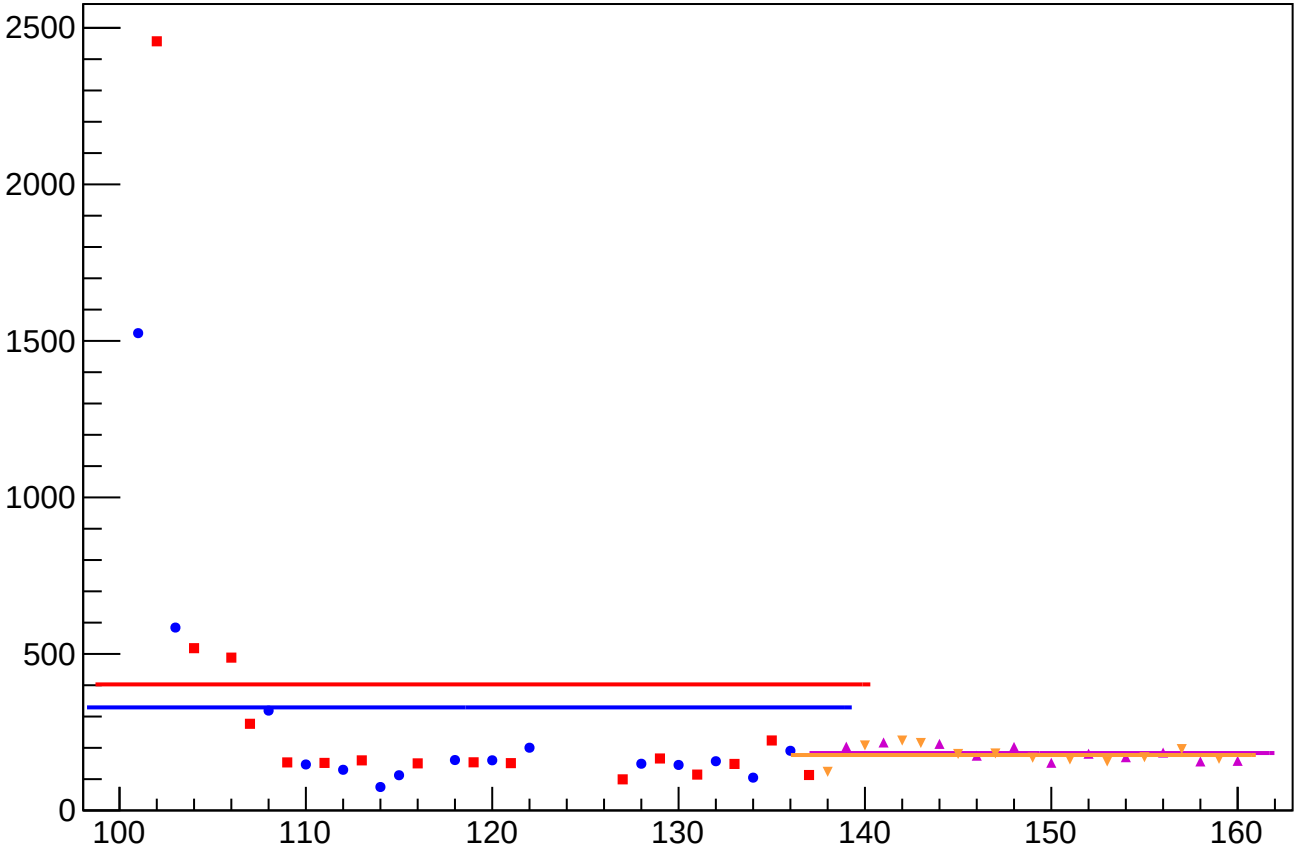
All: 3991.515+/-0.000 $\chi^2$/NDF: 1040455023

Right Out: 2026.969+/-0.000 $\chi^2$/NDF: 7086264566034107051245182999566451998 72.0/15

- sign 4031.627+/-0.000 $\chi^2$/NDF: 5448162434536 3

Left In: 5478.713+/-0.000 $\chi^2$/NDF:1241860547714240118738493468025836011 52.0/10

# dit_atr1_coil3_err_mean vs Slug




Right In: 329.229+/-0.000 $\chi^2$/NDF: 1032850290919227420338379034371324641 28.0/14

Left Out: 177.101+/-0.000 $\chi^2$/NDF:604256347376555065664943941601984512.0/11

Right Out: 402.690+/-0.000 $\chi^2$/NDF: 277636056793293374242116053515003494400.0/15

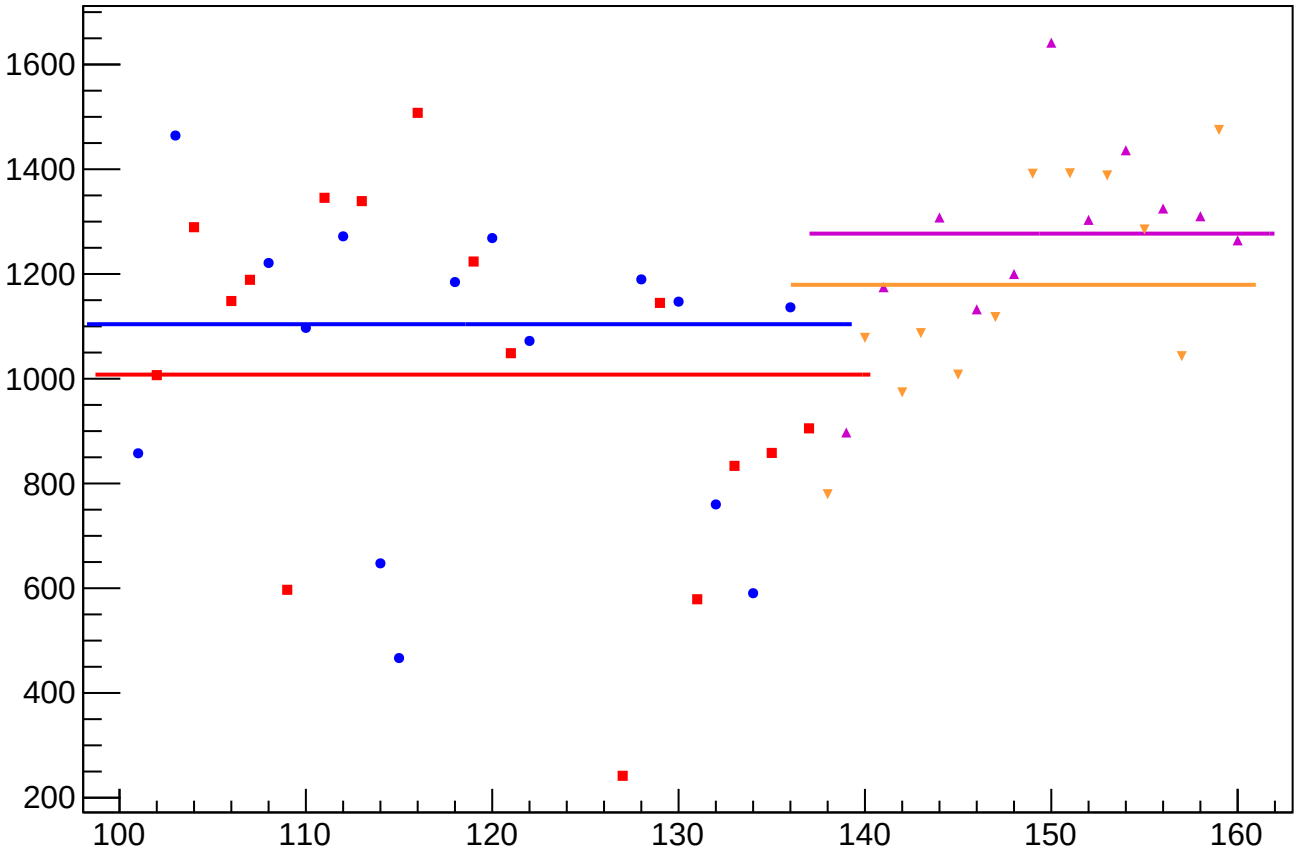
Left In: 183.411+/-0.000 $\chi^2$/NDF:452789814018275751637875535657304064.0/10

+ sign 240.268+/-0.000 $\chi^2$/NDF: 112672514913123

All: 257.960+/-0.000 $\chi^2$/NDF: 41035727361

- sign 275.340+/-0.000 $\chi^2$/NDF: 296714971855196

# dit_atr1_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 6907787800987396562269593962747736 8832.0/15

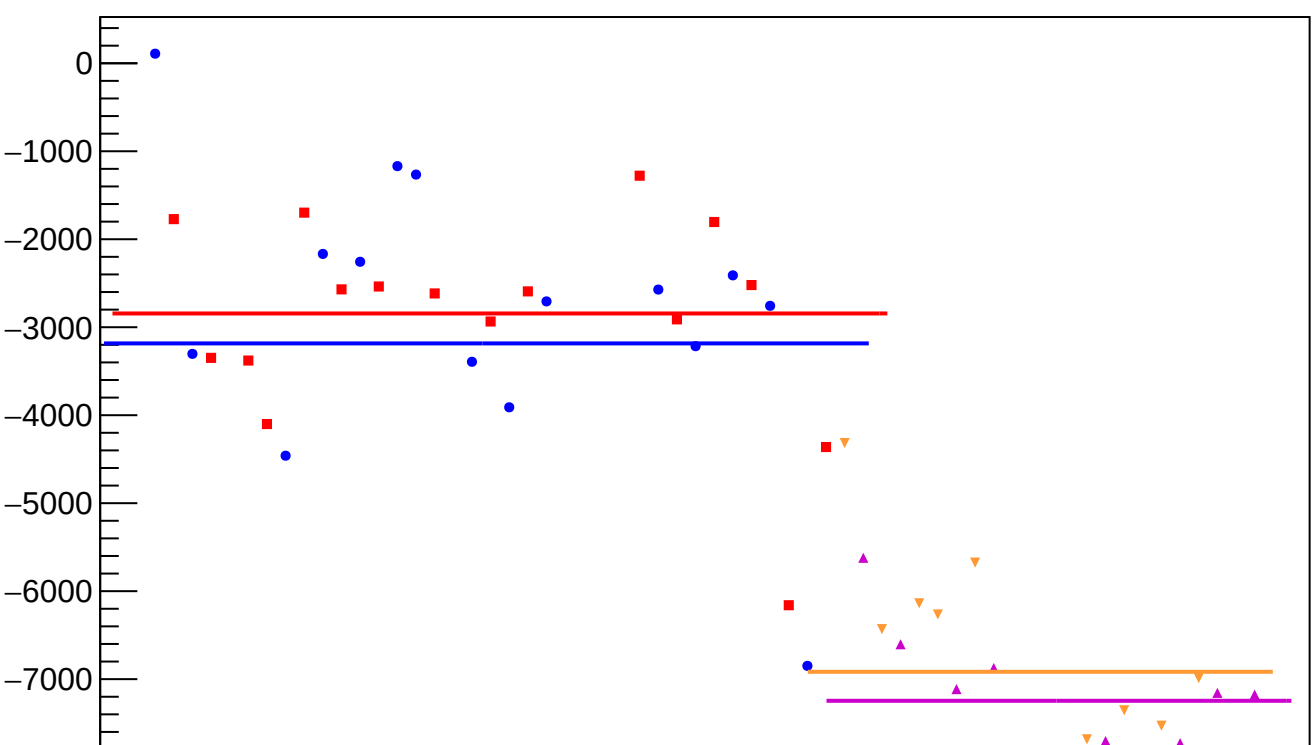
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

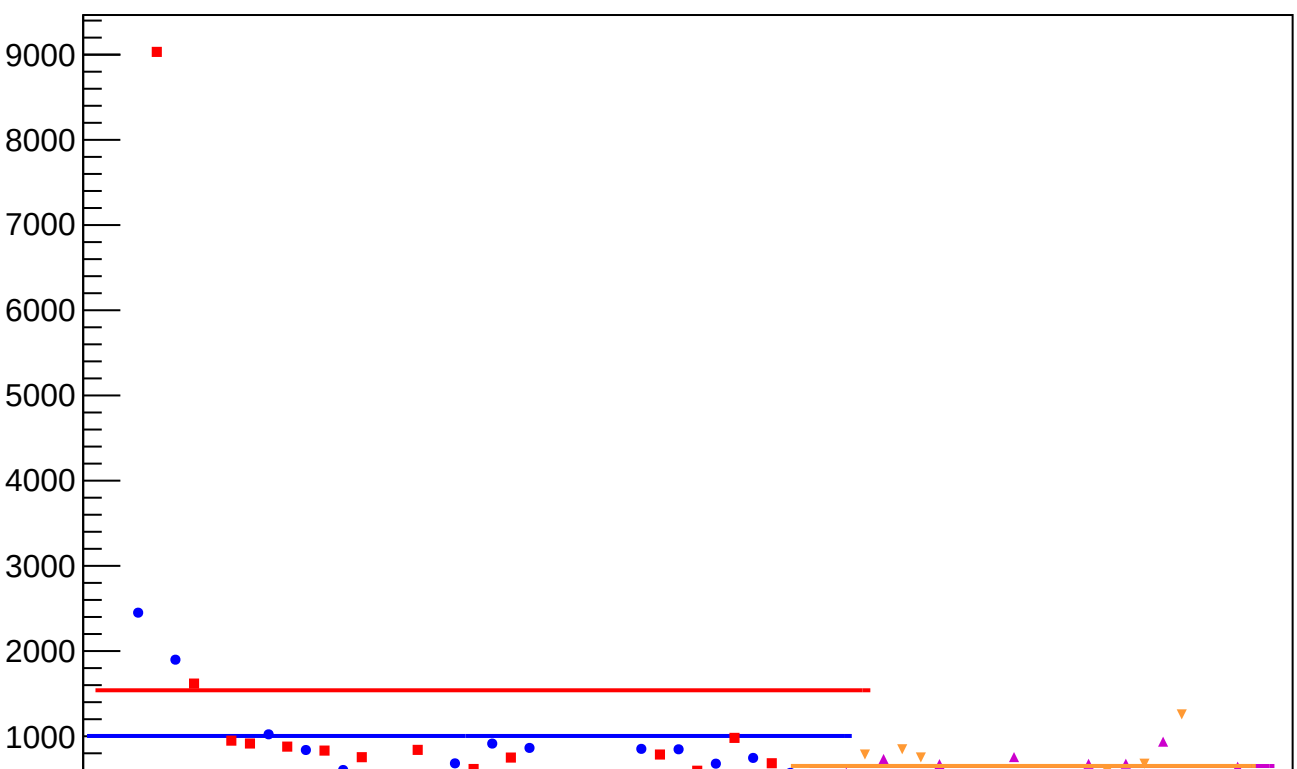
- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_atr2_coil3_mean vs Slug



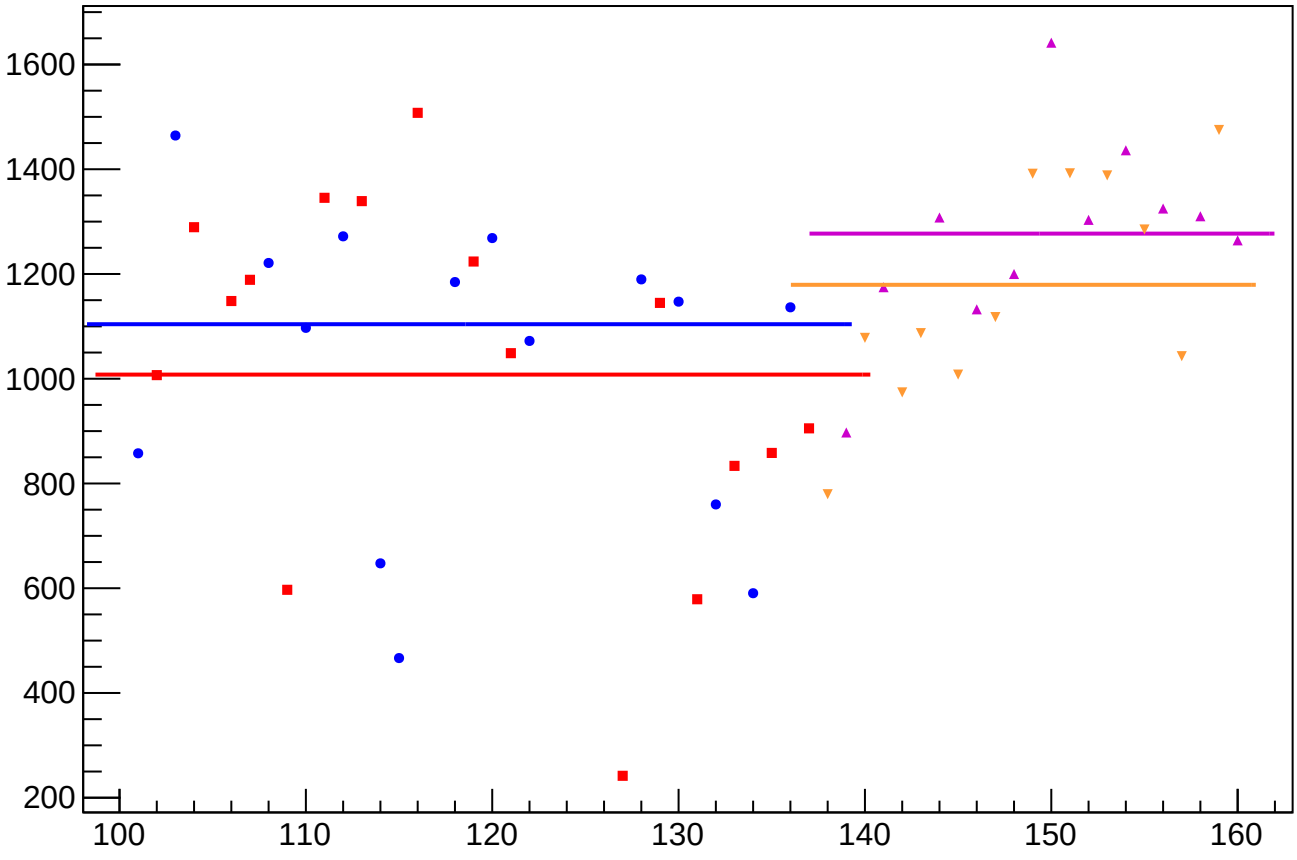

Right In: -3183.928+/-0.000 $\chi^2$/NDF: 2134923281384422537296044119642733543424.0/14
+ sign -5366.500+/-0.000 $\chi^2$/NDF: 8538549854874
Left Out: -6916.269+/-0.000 $\chi^2$/NDF:1116807093678978049721043579861444067328.0/11
All: -5383.560+/-0.000 $\chi^2$/NDF: 1739572201
Right Out: -2843.597+/-0.000 $\chi^2$/NDF: 9470776115637232447055310919440153968 64.0/15
- sign -5400.320+/-0.000 $\chi^2$/NDF: 8856270344208
Left In: -7245.920+/-0.000 $\chi^2$/NDF:4017604627839690987720109250073151406 08.0/10

# dit_atr2_coil3_err_mean vs Slug




Right In: 1003.407+/-0.000 $\chi^2$/NDF: 219815257294811198811064619822196195328.0/14
+ sign 797.669+/-0.000 $\chi^2$/NDF: 312371598473089
Left Out: 651.582+/-0.000 $\chi^2$/NDF:455794167001883893408997837934973419 52.0/11
All: 911.528+/-0.000 $\chi^2$/NDF: 428810018271
Right Out: 1539.568+/-0.000 $\chi^2$/NDF: 36147747852974822931453545741254372884 48.0/15
- sign 1023.383+/-0.000 $\chi^2$/NDF: 39355602156889
Left In: 650.769+/-0.000 $\chi^2$/NDF:147764657748587998469225358583943659 52.0/10

# dit_atr2_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

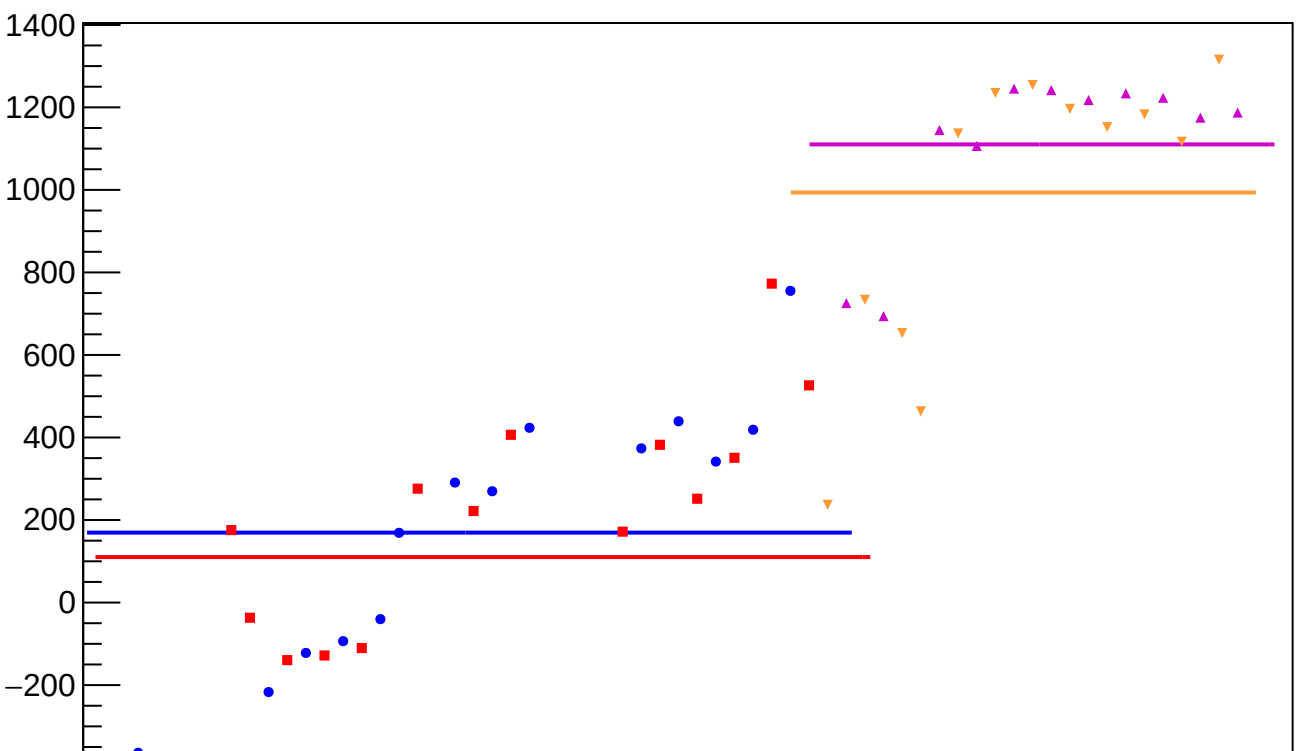
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_sam1_coil3_mean vs Slug




Right In: 169.489+/-0.000 $\chi^2$/NDF: 954358945852108910324266135674903592 96.0/14

Left Out: 993.680+/-0.000 $\chi^2$/NDF:1038717440932718621362705275420378398 72.0/11

Right Out: 110.289+/-0.000 $\chi^2$/NDF: 717707841020529385235927165084798812 16.0/15

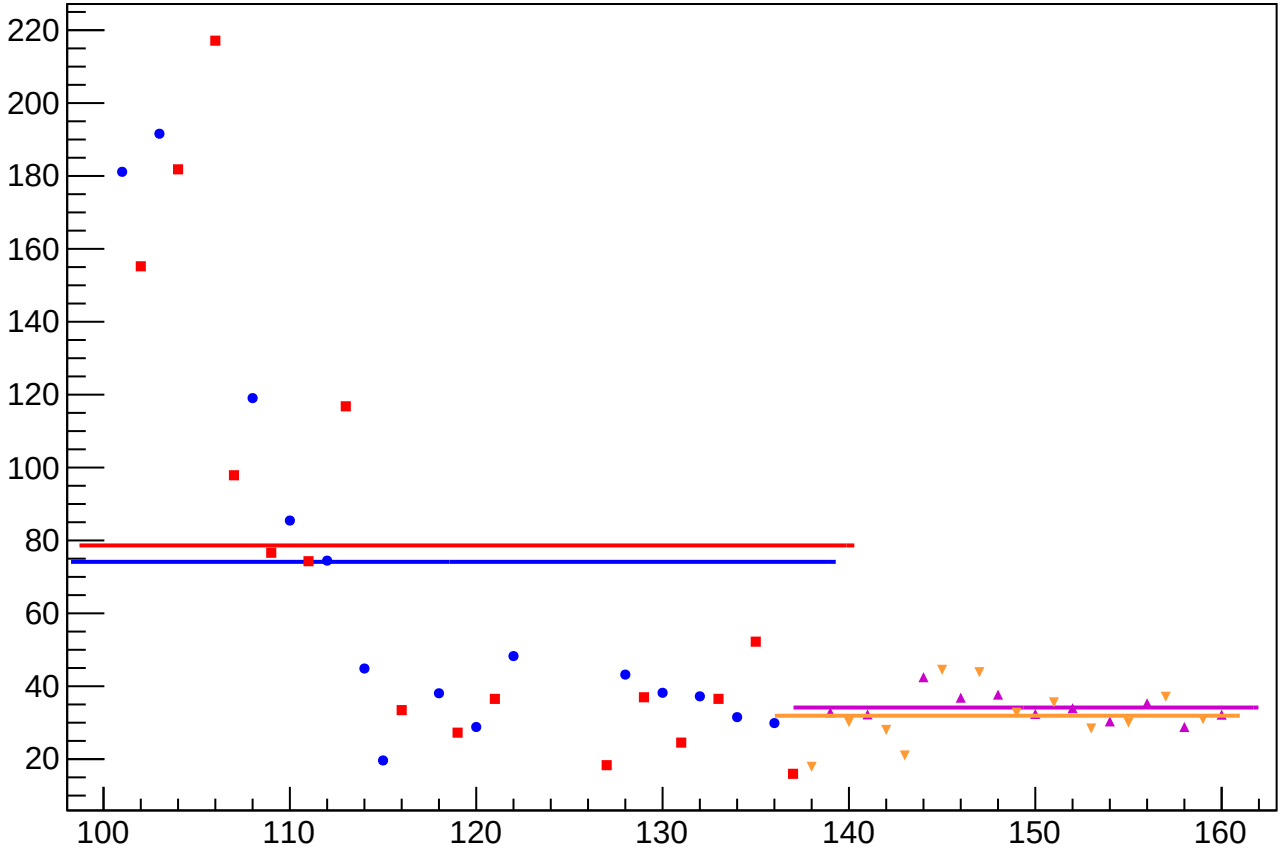
Left In: 1110.204+/-0.000 $\chi^2$/NDF:3407867167520710175869557534326416998 4.0/10

+ sign 651.454+/-0.000 $\chi^2$/NDF: 457110601754155

All: 671.406+/-0.000 $\chi^2$/NDF: 95149930692 5

- sign 691.006+/-0.000 $\chi^2$/NDF: 493155274089920

# dit_sam1_coil3_err_mean vs Slug




Right In: 74.129+/-0.000 $\chi^2$/NDF: 2168375717401207322620658258081218560.0/14

Left Out: 31.916+/-0.000 $\chi^2$/NDF:5239113497147644680116473780240384 0.0/11

Right Out: 78.633+/-0.000 $\chi^2$/NDF: 2343230336879830638767678903539466240.0/15

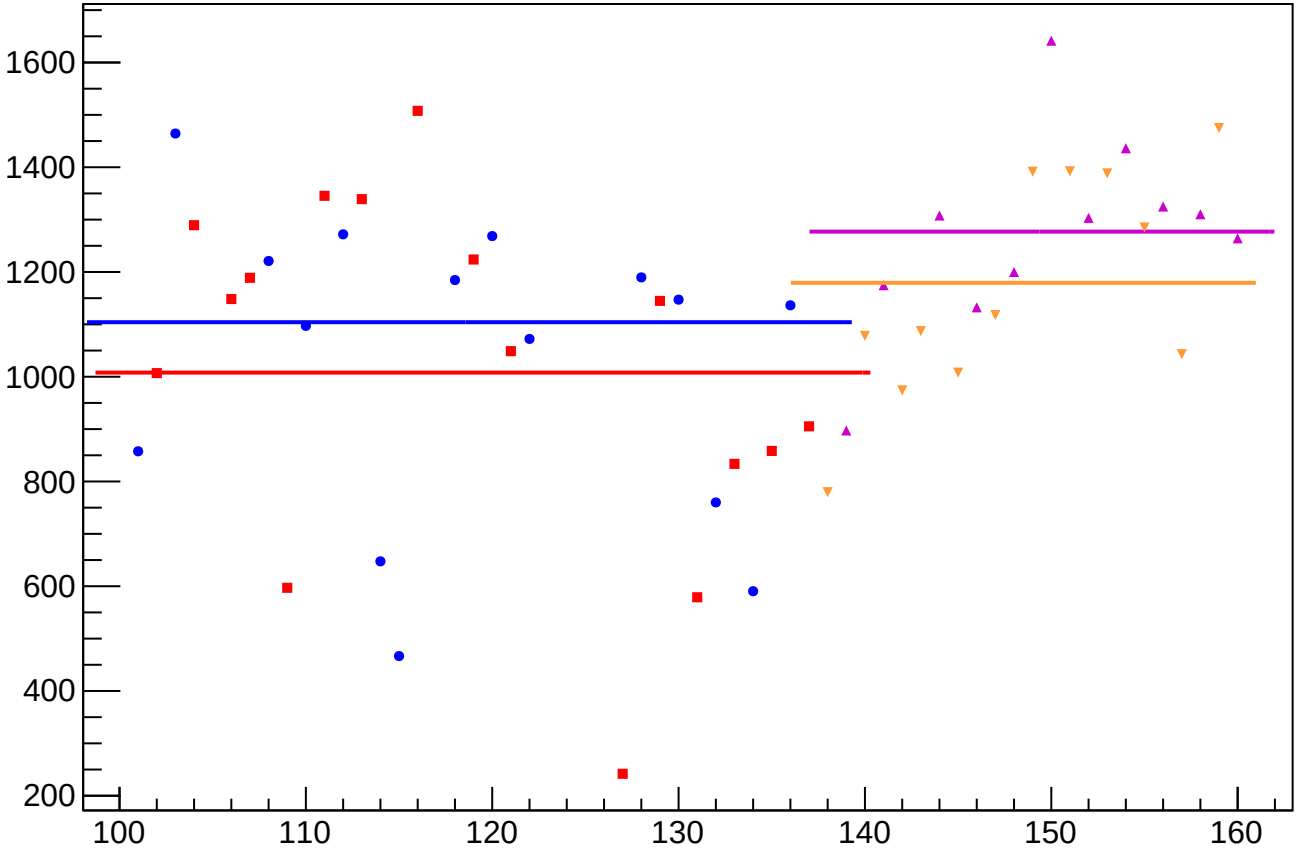
Left In: 34.158+/-0.000 $\chi^2$/NDF:1253578175709682803806424429022412 8.0/10

+ sign 49.444+/-0.000 $\chi^2$/NDF: 2897043511629601

All: 51.139+/-0.000 $\chi^2$/NDF: 602792654960 6

- sign 52.804+/-0.000 $\chi^2$/NDF: 3121982731392082

# dit_sam1_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 6907787800987396562269593962747736 8832.0/15

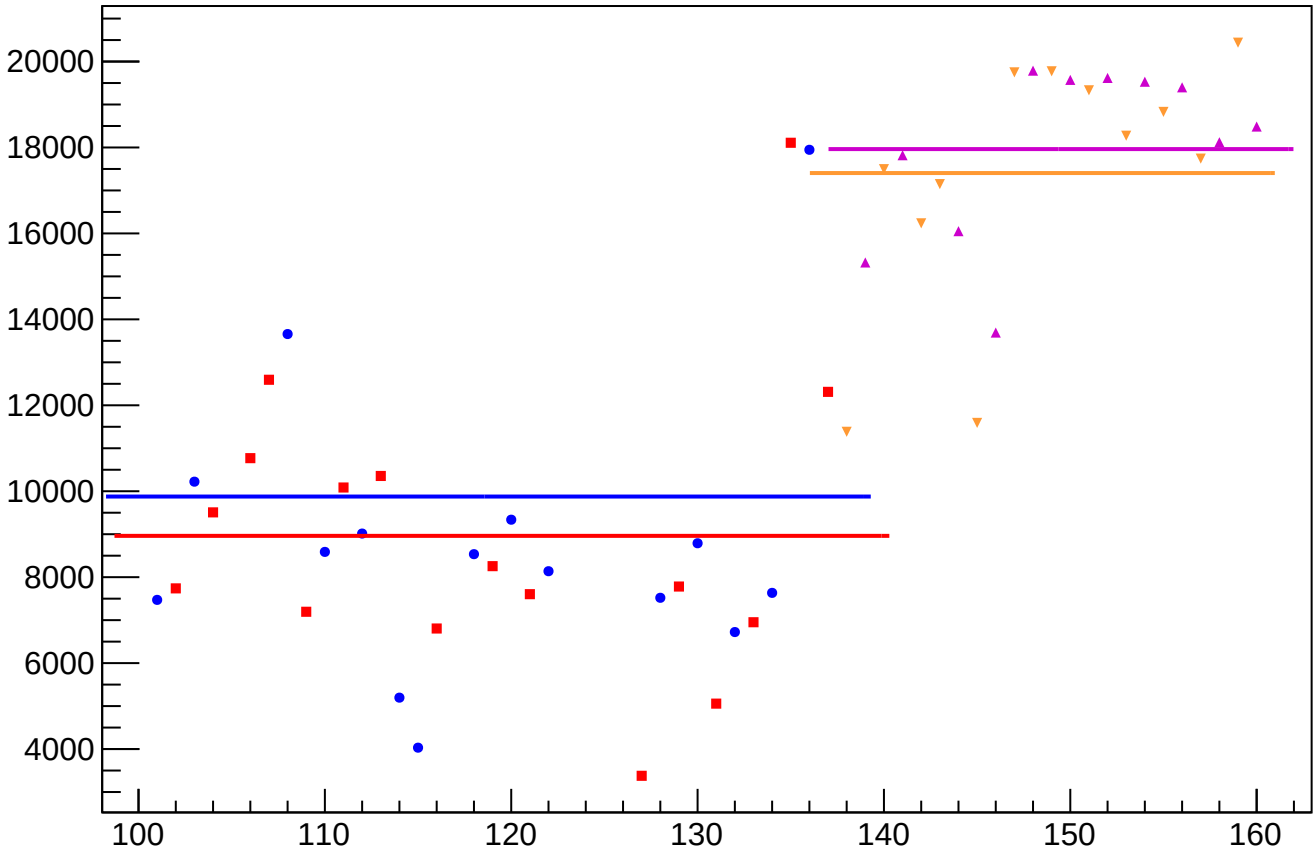
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_sam2_coil3_mean vs Slug




Right In: 9876.530+/-0.000 $\chi^2$/NDF: 8483360287053054122301651905797133697024.0/14

+ sign 14279.004+/-0.000 $\chi^2$/NDF: 3768368481481

Left Out: 17405.049+/-0.000 $\chi^2$/NDF:7689801671099378791544545422175664865280.0/11

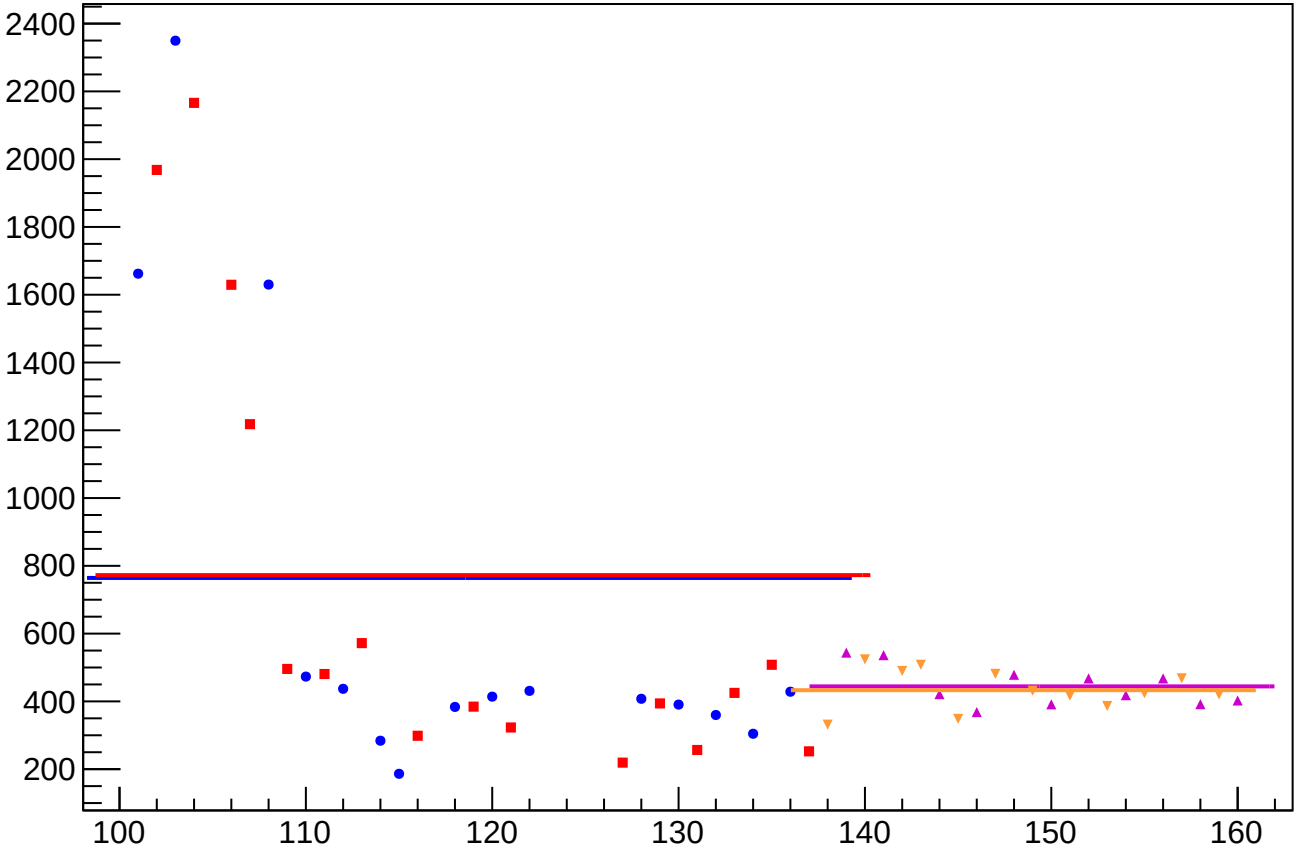
All: 14233.622+/-0.000 $\chi^2$/NDF: 8022211512

Right Out: 8961.593+/-0.000 $\chi^2$/NDF: 7583728644146461427304320888408335450112.0/15

- sign 14189.038+/-0.000 $\chi^2$/NDF: 4253204880235

Left In: 17962.529+/-0.000 $\chi^2$/NDF:3564698291142811133043344688261317525504.0/10

# dit_sam2_coil3_err_mean vs Slug




Right In: 764.284+/-0.000 $\chi^2$/NDF: 2909647580582694800050672050200305991 68.0/14

+ sign 570.604+/-0.000 $\chi^2$/NDF: 335667061264854

Left Out: 433.079+/-0.000 $\chi^2$/NDF:307037052443823915927319011947603558 4.0/11

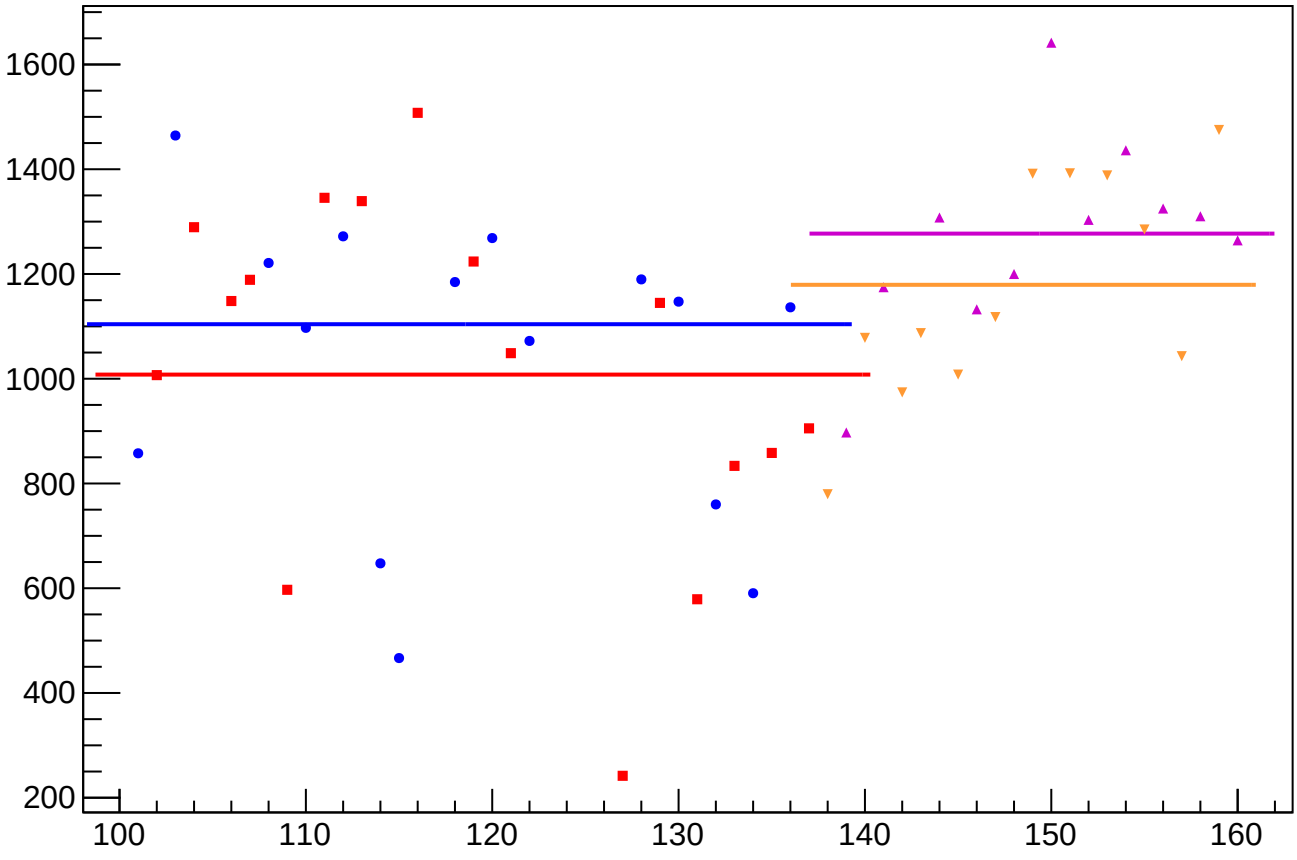
All: 576.292+/-0.000 $\chi^2$/NDF: 666328037619

Right Out: 772.547+/-0.000 $\chi^2$/NDF: 285902138904642401278625587631891677184.0/15

- sign 581.880+/-0.000 $\chi^2$/NDF: 330560730510906

Left In: 444.245+/-0.000 $\chi^2$/NDF:290662583945299127010505389415124 1728.0/10

# dit_sam2_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 690778780098739656226959396274773688 32.0/15

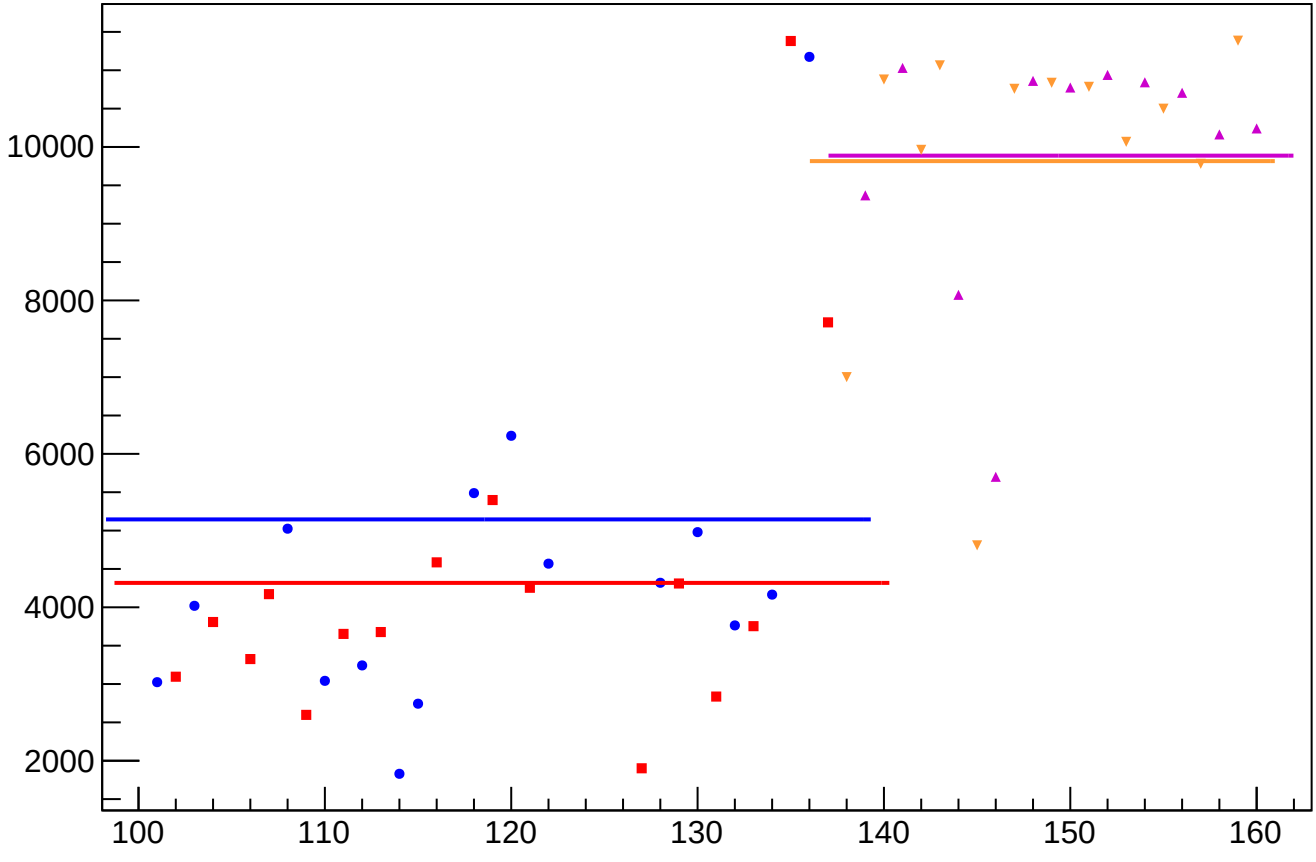
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_sam3_coil3_mean vs Slug




Right In: 5145.657+/-0.000 $\chi^2$/NDF: 4272867262459372237810540195851662262272.0/14

+ sign 7876.592+/-0.000 $\chi^2$/NDF: 15792133720732

Left Out: 9815.736+/-0.000 $\chi^2$/NDF:324212621250728671461831670420826226688 0.0/11

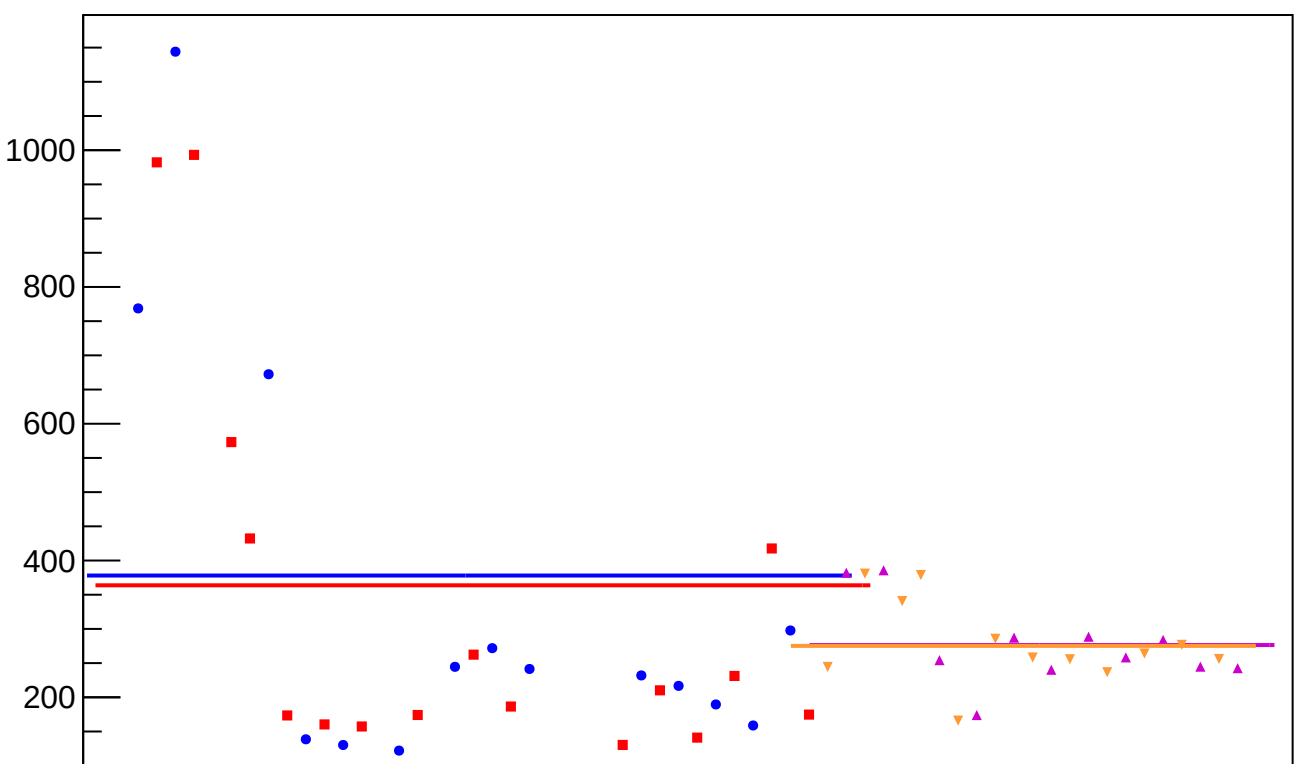
All: 7713.049+/-0.000 $\chi^2$/NDF: 3351230123 5

Right Out: 4318.126+/-0.000 $\chi^2$/NDF: 334517655456475542731253388890852661 6576.0/15

- sign 7552.383+/-0.000 $\chi^2$/NDF: 17637293606384

Left In: 9887.069+/-0.000 $\chi^2$/NDF:227851678022582408263242028880212734 7712.0/10

# dit_sam3_coil3_err_mean vs Slug




Right In: 378.052+/-0.000 $\chi^2$/NDF: 615165900225930530408607608613319475 20.0/14

Left Out: 275.181+/-0.000 $\chi^2$/NDF:3063973924838483752648023856495198208.0/11

Right Out: 363.772+/-0.000 $\chi^2$/NDF: 5903133748470980180418143934270668 8000.0/15

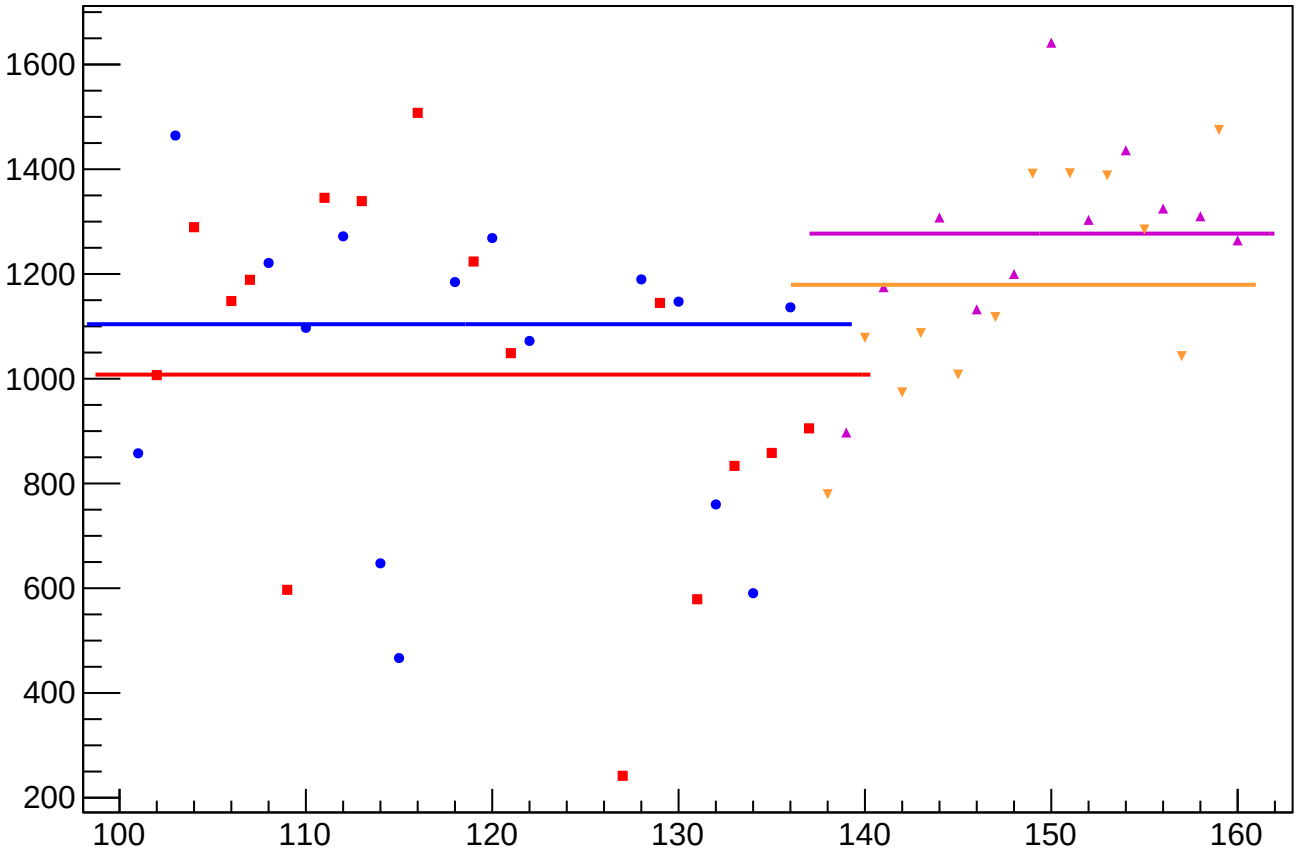
Left In: 276.429+/-0.000 $\chi^2$/NDF:3176476969276554988209041450490396672.0/10

+ sign 317.896+/-0.000 $\chi^2$/NDF: 685967694208858

All: 315.450+/-0.000 $\chi^2$/NDF: 13377830011 5

- sign 313.047+/-0.000 $\chi^2$/NDF: 651629892548713

# dit_sam3_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15

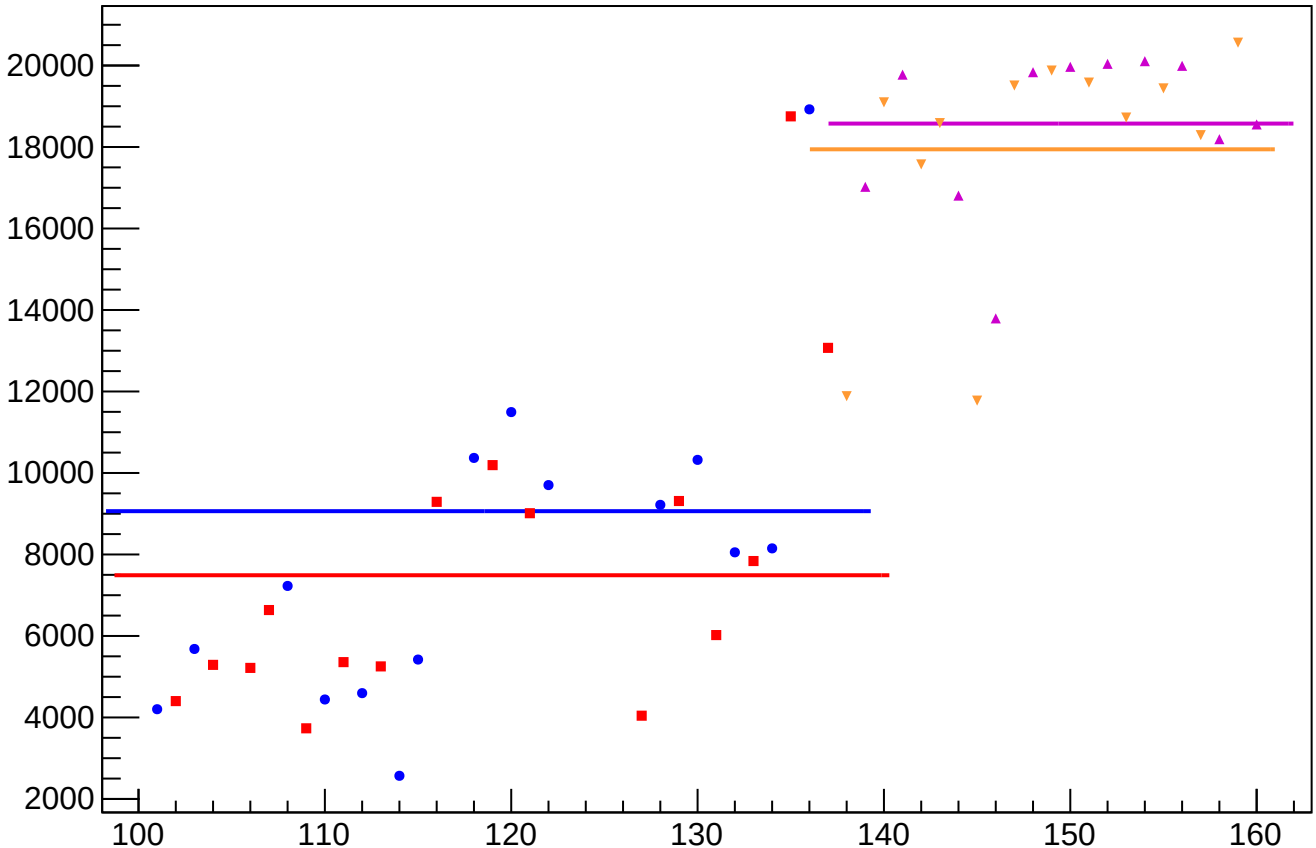
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_sam4_coil3_mean vs Slug




Right In: 9062.710+/-0.000 $\chi^2$/NDF: 1362106694311435459415925240917543144652 8.0/14

+ sign 14255.973+/-0.000 $\chi^2$/NDF: 5102685220080

Left Out: 17943.531+/-0.000 $\chi^2$/NDF:747361773327481660328046992127437884620 8.0/11

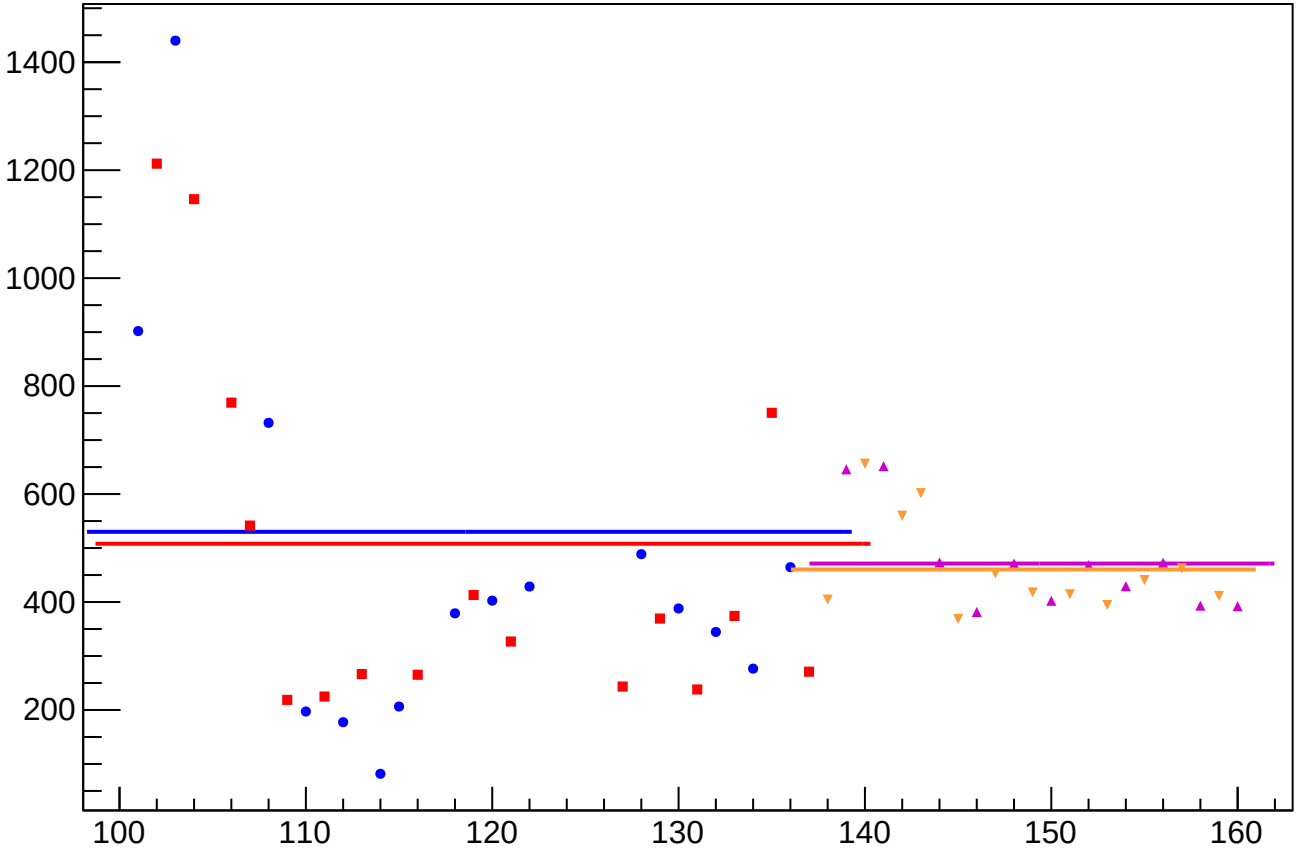
All: 14090.424+/-0.000 $\chi^2$/NDF: 1121885161

Right Out: 7490.147+/-0.000 $\chi^2$/NDF: 1010820212420413993228500645738823915929 6.0/15

- sign 13927.789+/-0.000 $\chi^2$/NDF: 6107674529188

Left In: 18574.874+/-0.000 $\chi^2$/NDF:337175293631953841464838483614276308172 8.0/10

# dit_sam4_coil3_err_mean vs Slug




Right In: 530.057+/-0.000 $\chi^2$/NDF: 787546760630632555240464717518806712 32.0/14

Left Out: 460.312+/-0.000 $\chi^2$/NDF:675460642837128305351752970163086950 4.0/11

Right Out: 507.987+/-0.000 $\chi^2$/NDF: 766897346983084643378818419695550464 00.0/15

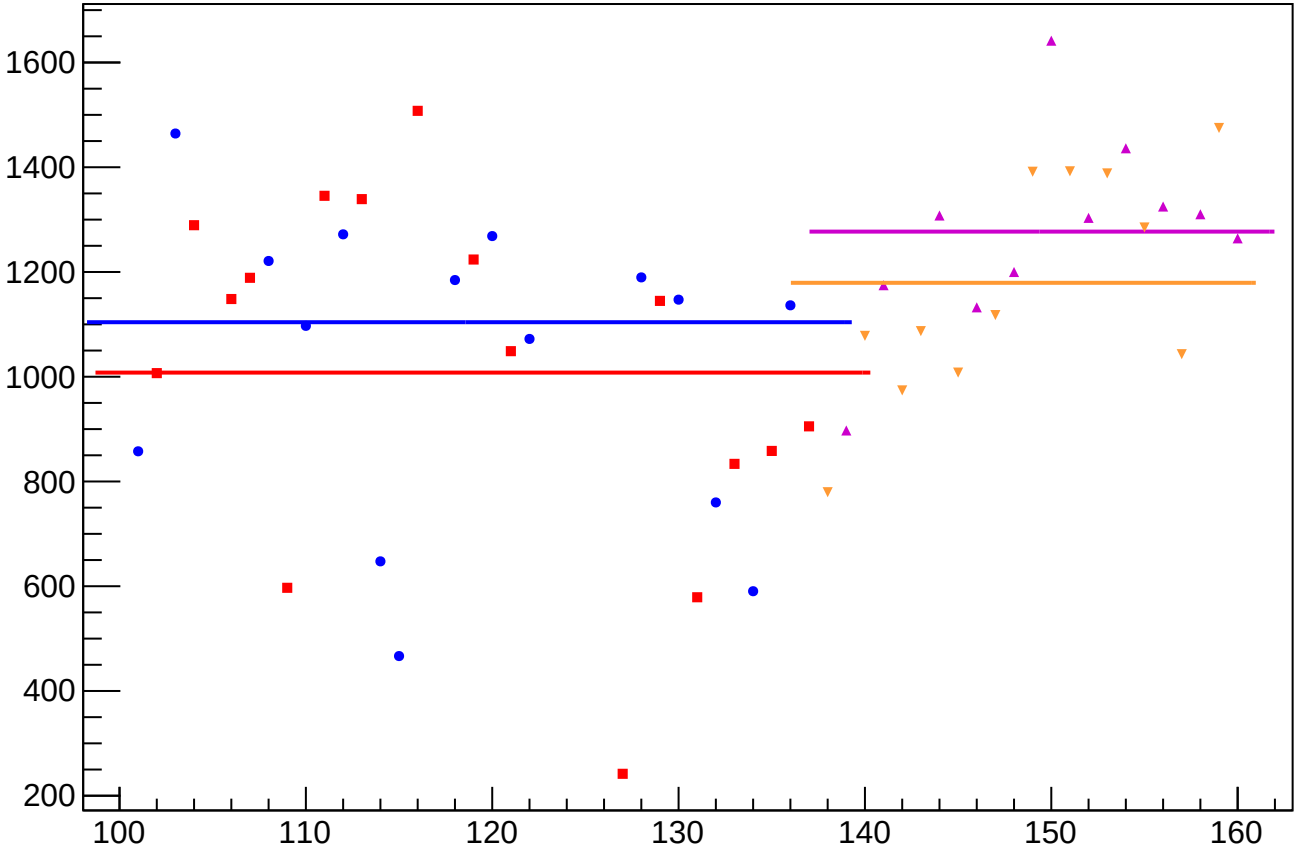
Left In: 471.219+/-0.000 $\chi^2$/NDF:744597321916033625746777201105174528 0.0/10

+ sign 489.272+/-0.000 $\chi^2$/NDF: 873553872862030

All: 487.941+/-0.000 $\chi^2$/NDF: 17202025163 6

- sign 486.633+/-0.000 $\chi^2$/NDF: 846593738129805

# dit_sam4_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 6907787800987396562269593962747736 8832.0/15

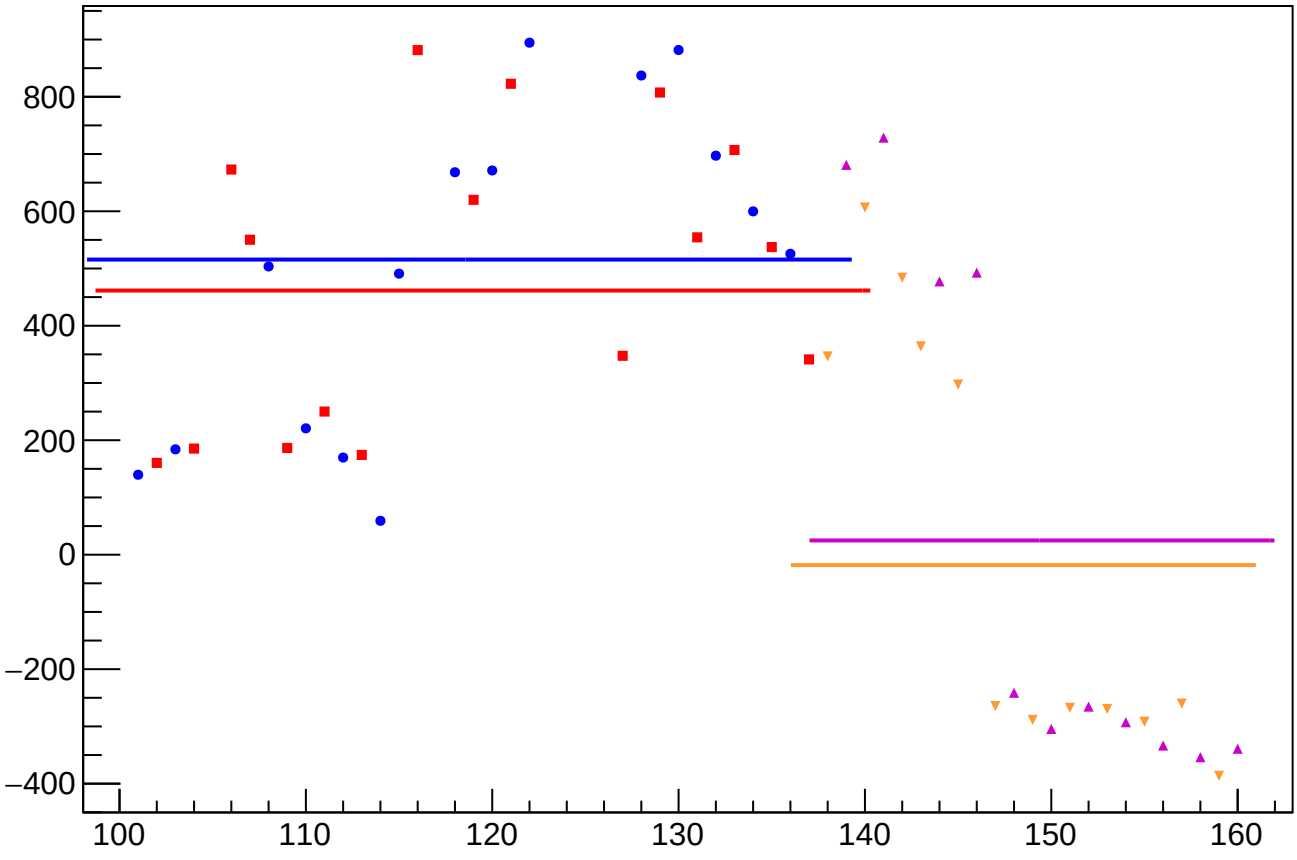
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

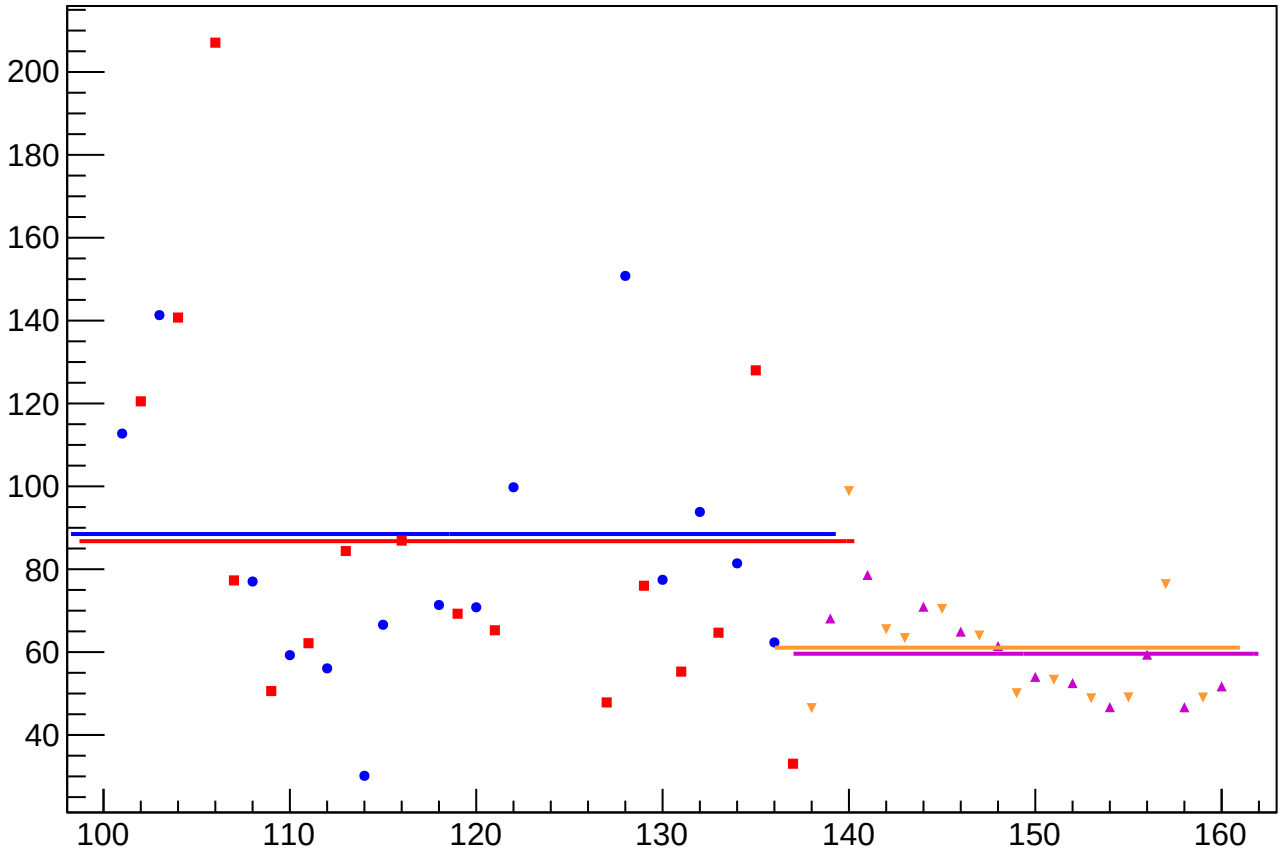
- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_sam5_coil3_mean vs Slug




Right In: 515.635+/-0.000 $\chi^2$/NDF: 484654034205739572926730623711623249 92.0/14
+ sign 203.495+/-0.000 $\chi^2$/NDF: 27061307526086 4
Left Out: -18.146+/-0.000 $\chi^2$/NDF:1140146273273638901461797970727634206 72.0/11
All: 205.734+/-0.000 $\chi^2$/NDF: 5621128652 05
Right Out: 461.497+/-0.000 $\chi^2$/NDF: 4047374666009135592806330688436856 4224.0/15
- sign 207.935+/-0.000 $\chi^2$/NDF: 2914842472029 32
Left In: 24.898+/-0.000 $\chi^2$/NDF:1771700831460663404196866972503077027 84.0/10

# dit_sam5_coil3_err_mean vs Slug




Right In: 88.493+/-0.000 $\chi^2$/NDF: 6432311551930355126258179632089006 08.0/14

+ sign 72.455+/-0.000 $\chi^2$/NDF: 1140205339739572

Left Out: 61.067+/-0.000 $\chi^2$/NDF:2115070802130485076473310779612856 32.0/11

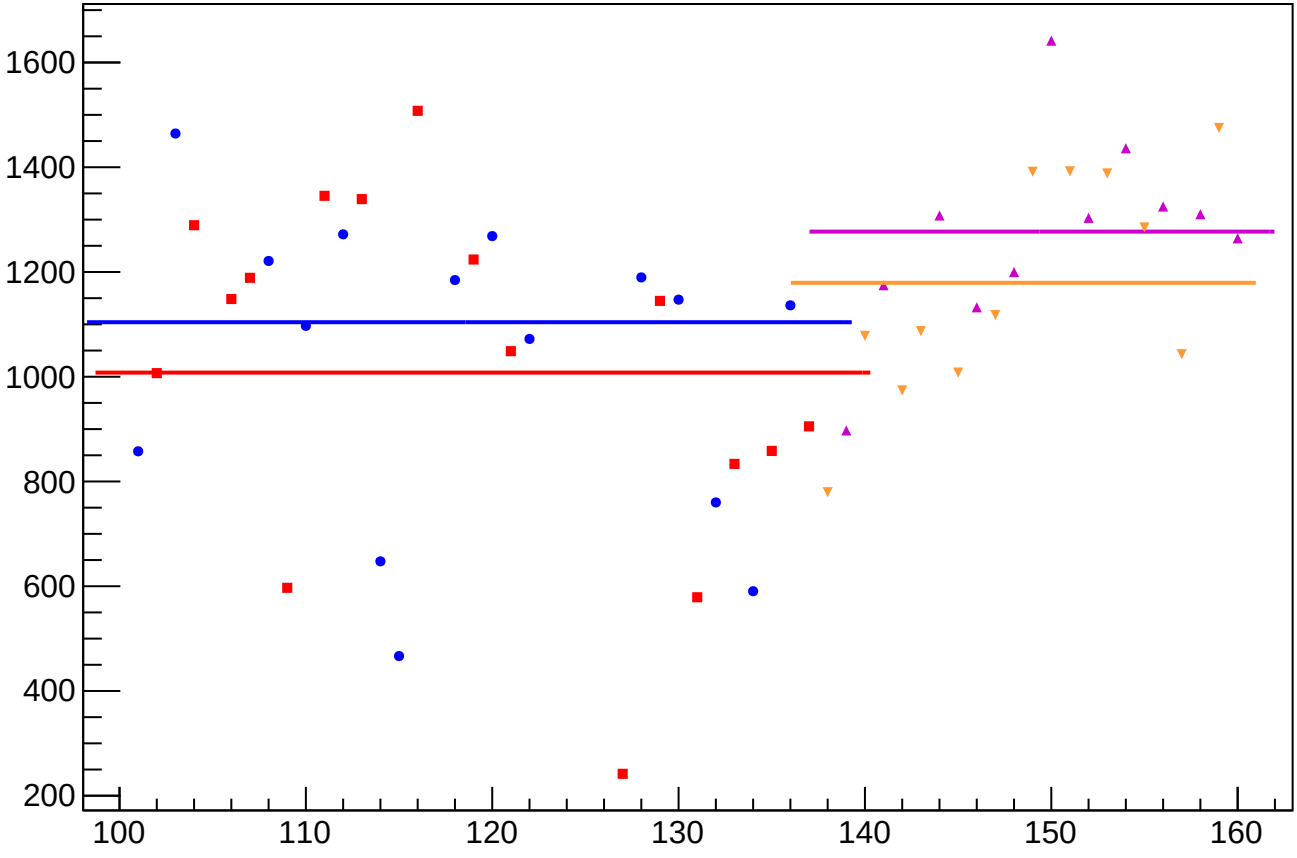
All: 71.718+/-0.000 $\chi^2$/NDF: 2577899671839

Right Out: 86.773+/-0.000 $\chi^2$/NDF: 1059206766314086021240525003228708864.0/15

- sign 70.994+/-0.000 $\chi^2$/NDF: 1436012461961461

Left In: 59.604+/-0.000 $\chi^2$/NDF:9086262518198566437532346316803276 8.0/10

# dit_sam5_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 6907787800987396562269593962747736 8832.0/15

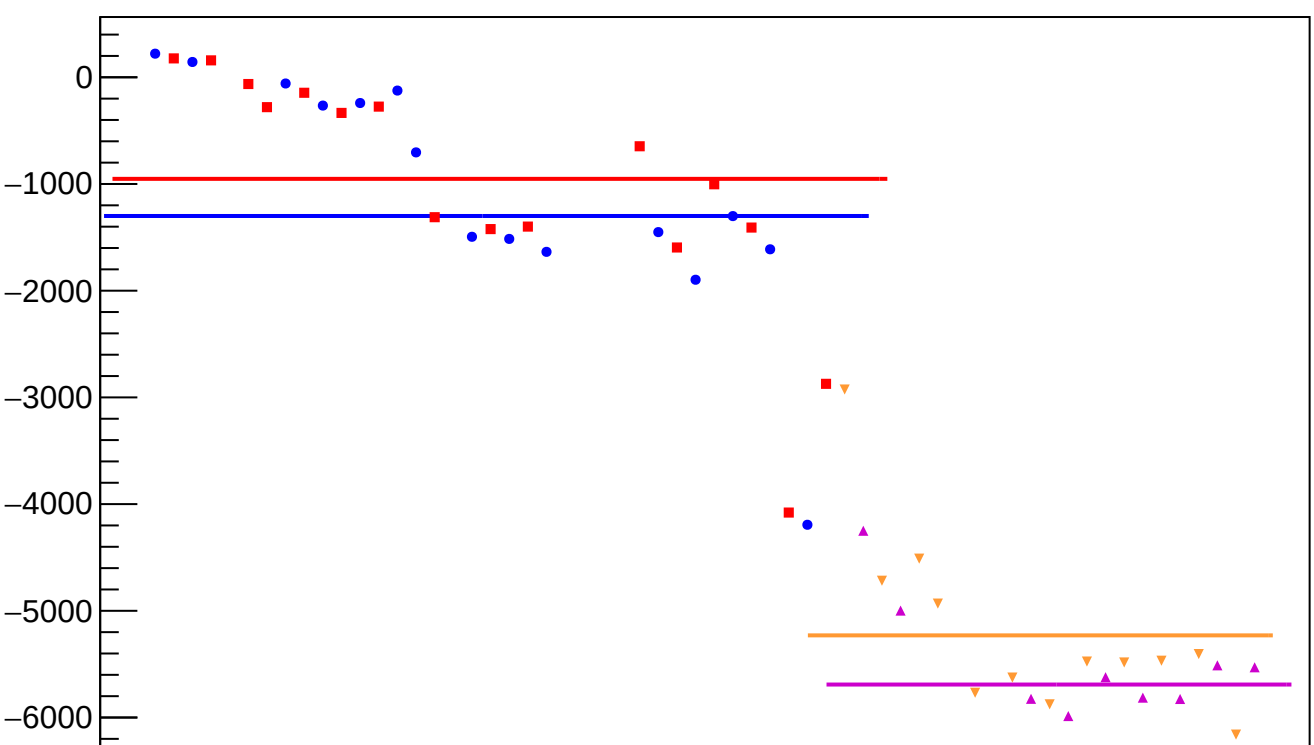
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

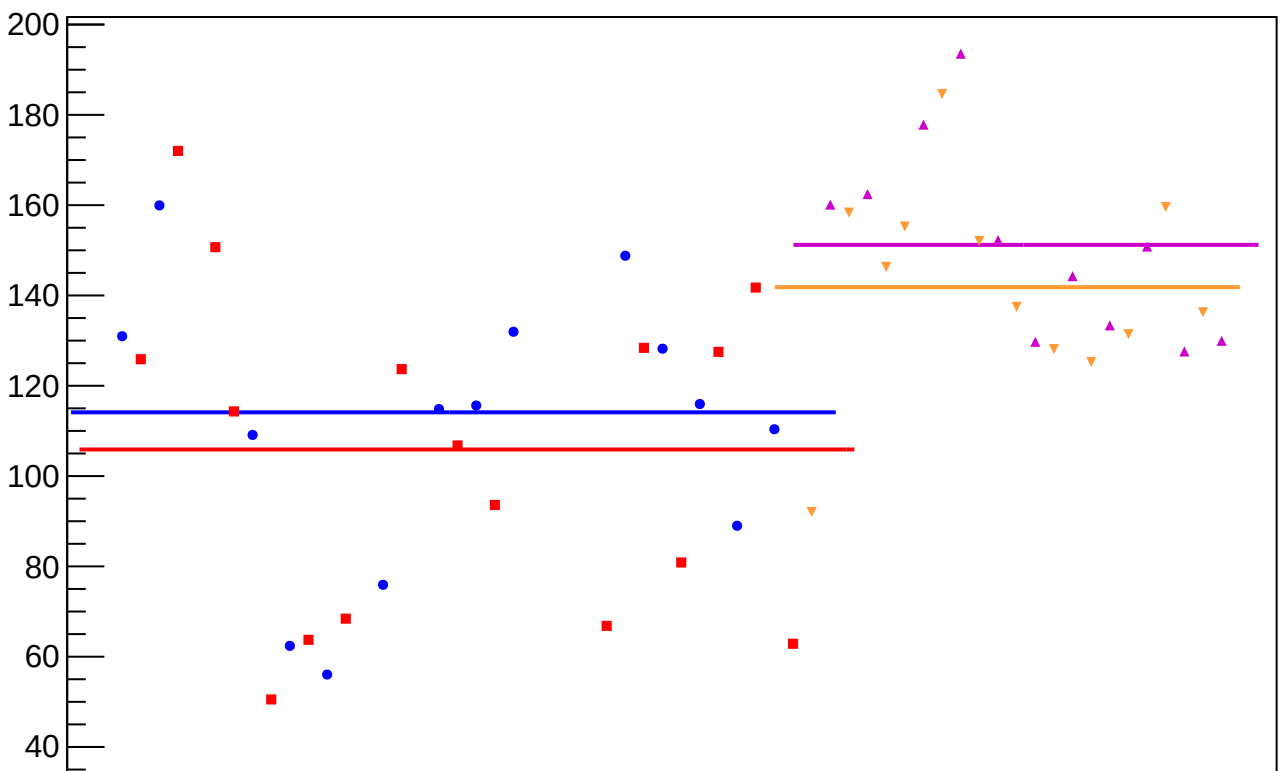
- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_sam6_coil3_mean vs Slug




Right In: -1299.904+/-0.000 $\chi^2$/NDF: 1199649252163216367086408691577524322304.0/14
+ sign -3598.213+/-0.000 $\chi^2$/NDF: 7683373457426
Left Out: -5230.164+/-0.000 $\chi^2$/NDF:6213375467540482757450116505270810050 56.0/11
All: -3651.666+/-0.000 $\chi^2$/NDF: 1758908860
Right Out: -951.903+/-0.000 $\chi^2$/NDF: 8413146968636570441744682842170893271 04.0/15
- sign -3704.179+/-0.000 $\chi^2$/NDF: 98968619860202
Left Out: -5690.941+/-0.000 $\chi^2$/NDF:3557746207229488669680404607498914365 44.0/10

# dit_sam6_coil3_err_mean vs Slug




Right In: 114.118+/-0.000 $\chi^2$/NDF: 607226770891525118881736460452495360.0/14

Left Out: 141.844+/-0.000 $\chi^2$/NDF:455273254245846333149237795723673600.0/11

Right Out: 105.890+/-0.000 $\chi^2$/NDF: 851861355270591521058611007535972352.0/15

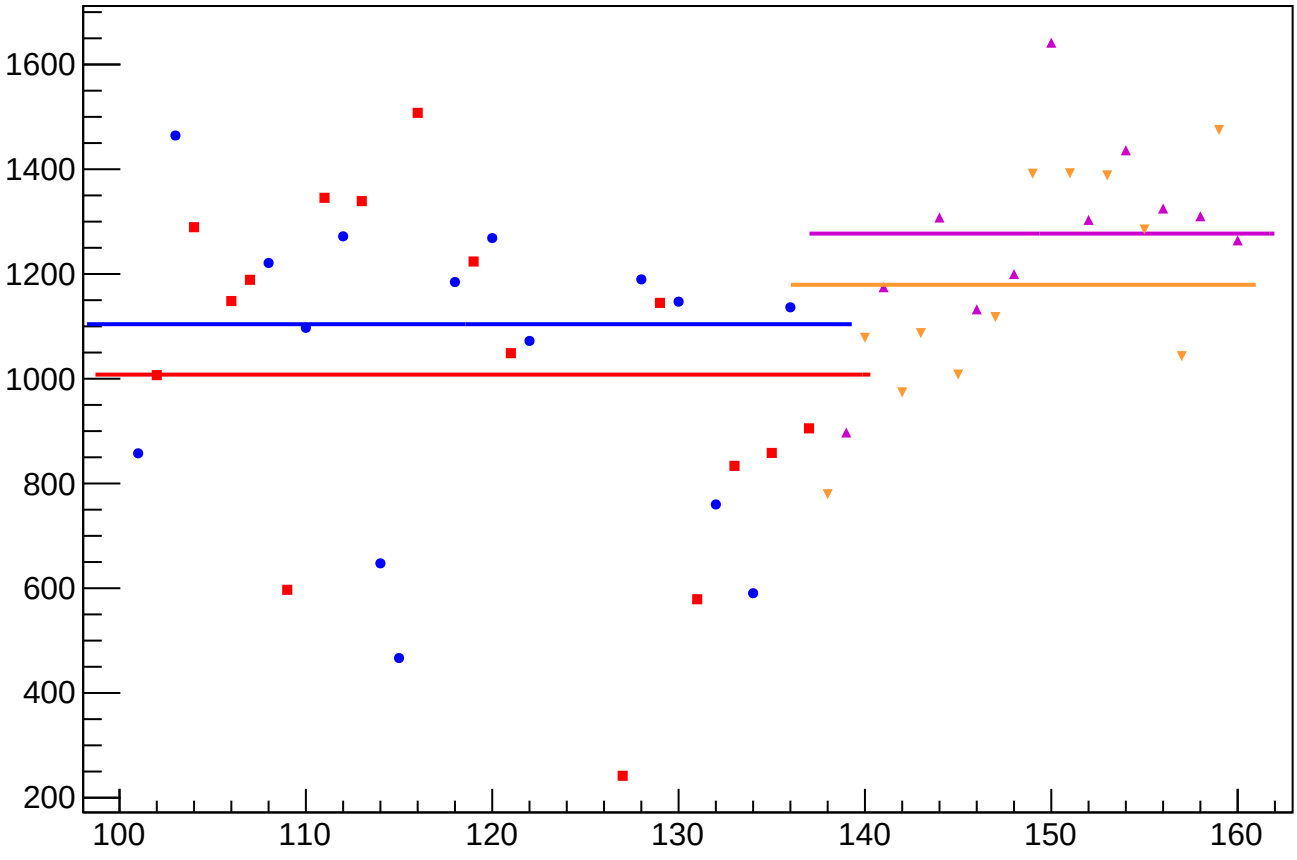
Left In: 151.203+/-0.000 $\chi^2$/NDF:382227652604999337577431549784096768.0/10

+ sign 130.331+/-0.000 $\chi^2$/NDF: 135424557525506

All: 131.277+/-0.000 $\chi^2$/NDF: 33864992632

- sign 132.206+/-0.000 $\chi^2$/NDF: 202948230636755

# dit_sam6_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 690778780098739656226959396274773688 32.0/15

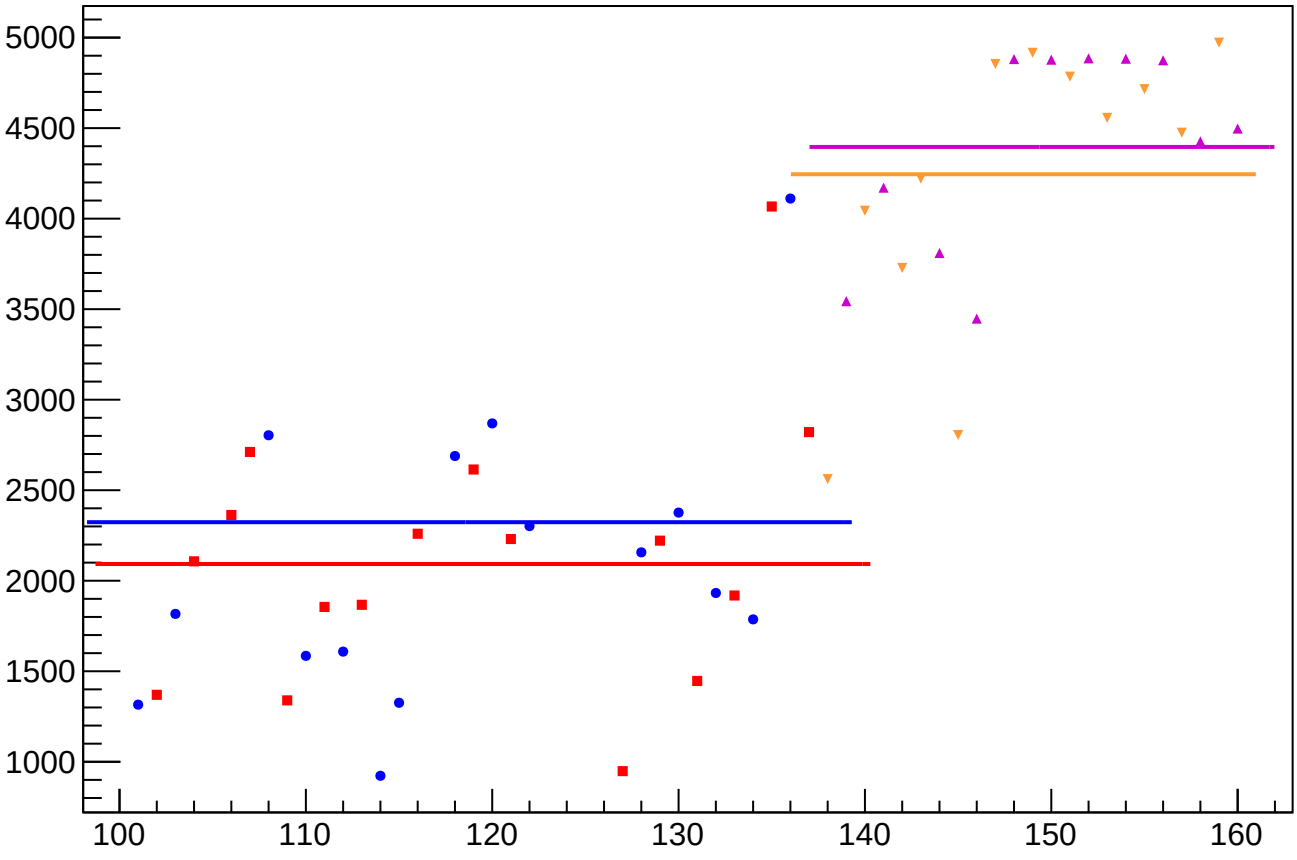
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_sam7_coil3_mean vs Slug




Right In: 2323.372+/-0.000 $\chi^2$/NDF: 476371189888349375964725620757728591872.0/14

Left Out: 4245.269+/-0.000 $\chi^2$/NDF:560100037882540295630660663570463719424.0/11

Right Out: 2092.458+/-0.000 $\chi^2$/NDF: 367126080872166122663684022473339174912.0/15

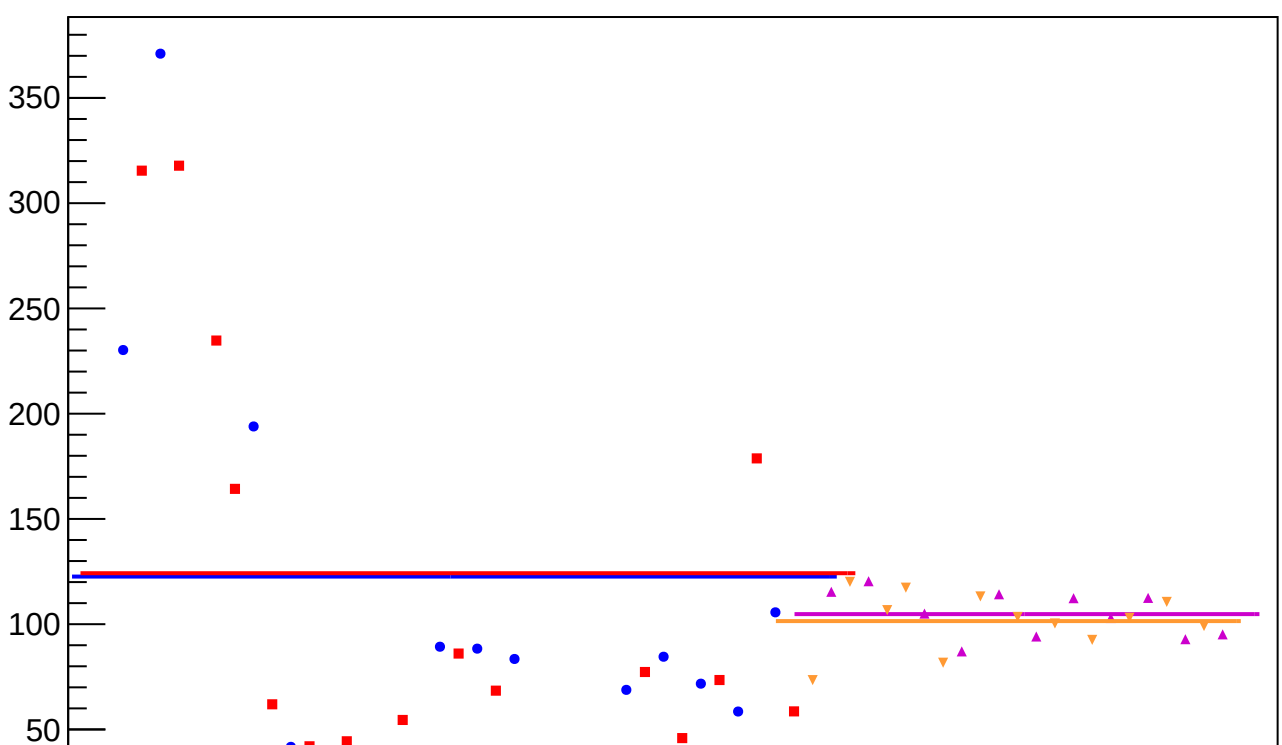
Left In: 4396.069+/-0.000 $\chi^2$/NDF:270326441631367265143713722564756897792.0/10

+ sign 3447.245+/-0.000 $\chi^2$/NDF: 2438290741396

All: 3438.707+/-0.000 $\chi^2$/NDF: 5131604048

- sign 3430.319+/-0.000 $\chi^2$/NDF: 26930874223674

# dit_sam7_coil3_err_mean vs Slug




Right In: 122.622+/-0.000 $\chi^2$/NDF: 5937504661187691145903235842749497344.0/14

Left Out: 101.470+/-0.000 $\chi^2$/NDF:1636065866092155151746011396204134 40.0/11

Right Out: 124.216+/-0.000 $\chi^2$/NDF: 6549627589629012958791202941129719808.0/15

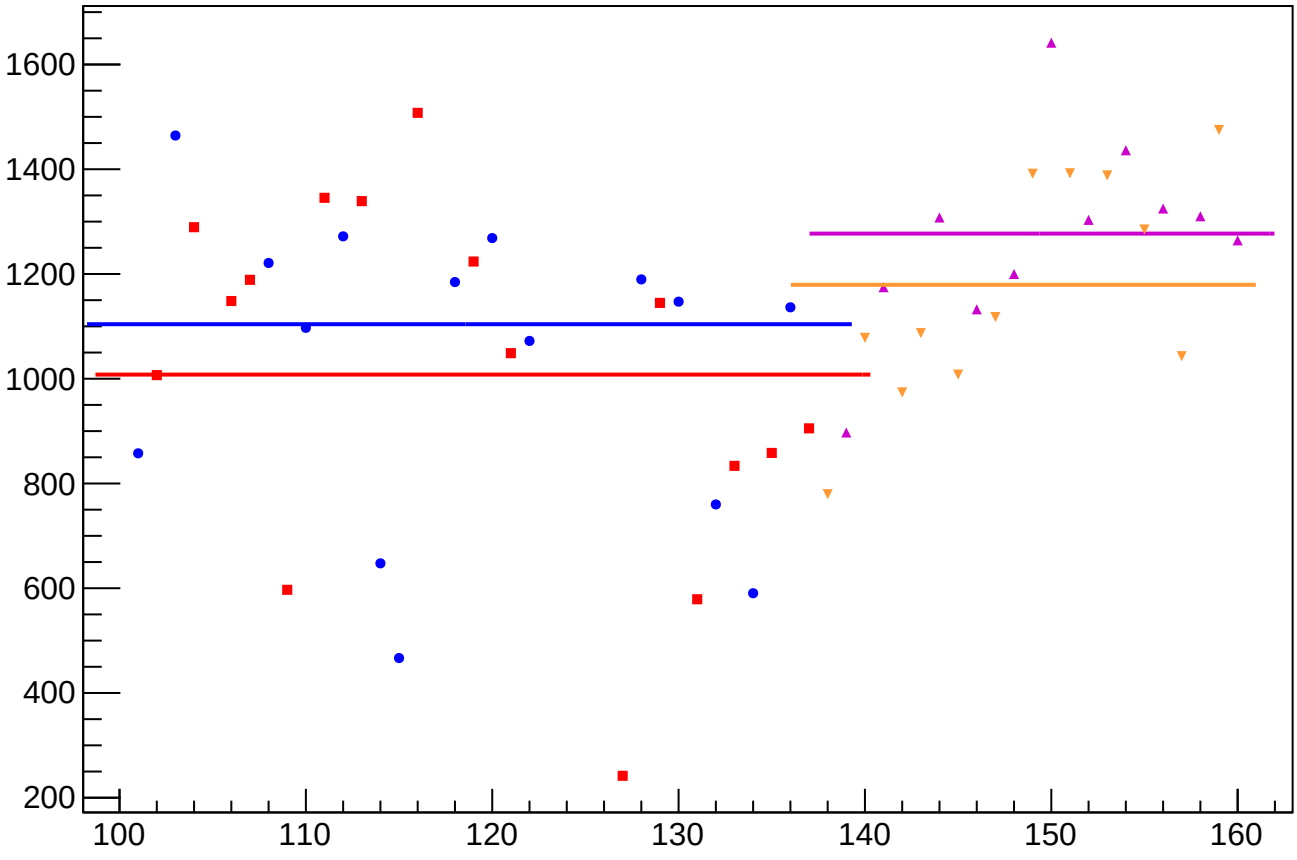
Left In: 104.786+/-0.000 $\chi^2$/NDF:10201378538133383749343545184695 0912.0/10

+ sign 110.253+/-0.000 $\chi^2$/NDF: 627090967671002

All: 111.604+/-0.000 $\chi^2$/NDF: 13074452472 3

- sign 112.932+/-0.000 $\chi^2$/NDF: 679788337218710

# dit_sam7_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 690778780098739656226959396274773688 32.0/15

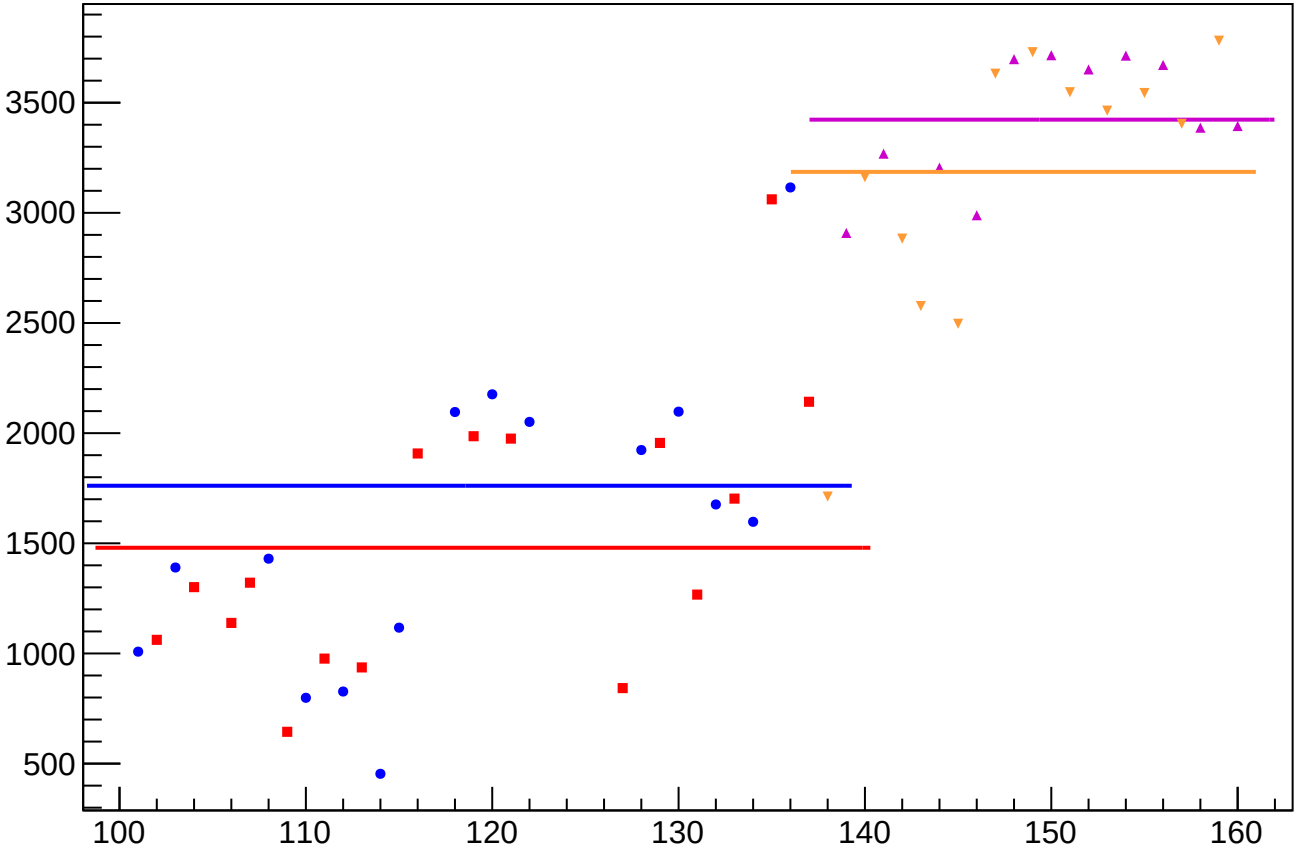
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_sam8_coil3_mean vs Slug




Right In: 1761.245+/-0.000 $\chi^2$/NDF: 332206925976055306953064744993096204288.0/14

Left Out: 3185.925+/-0.000 $\chi^2$/NDF:334945906452981161805339150604505710592.0/11

Right Out: 1479.801+/-0.000 $\chi^2$/NDF: 263467768134780968832551238609236131840.0/15

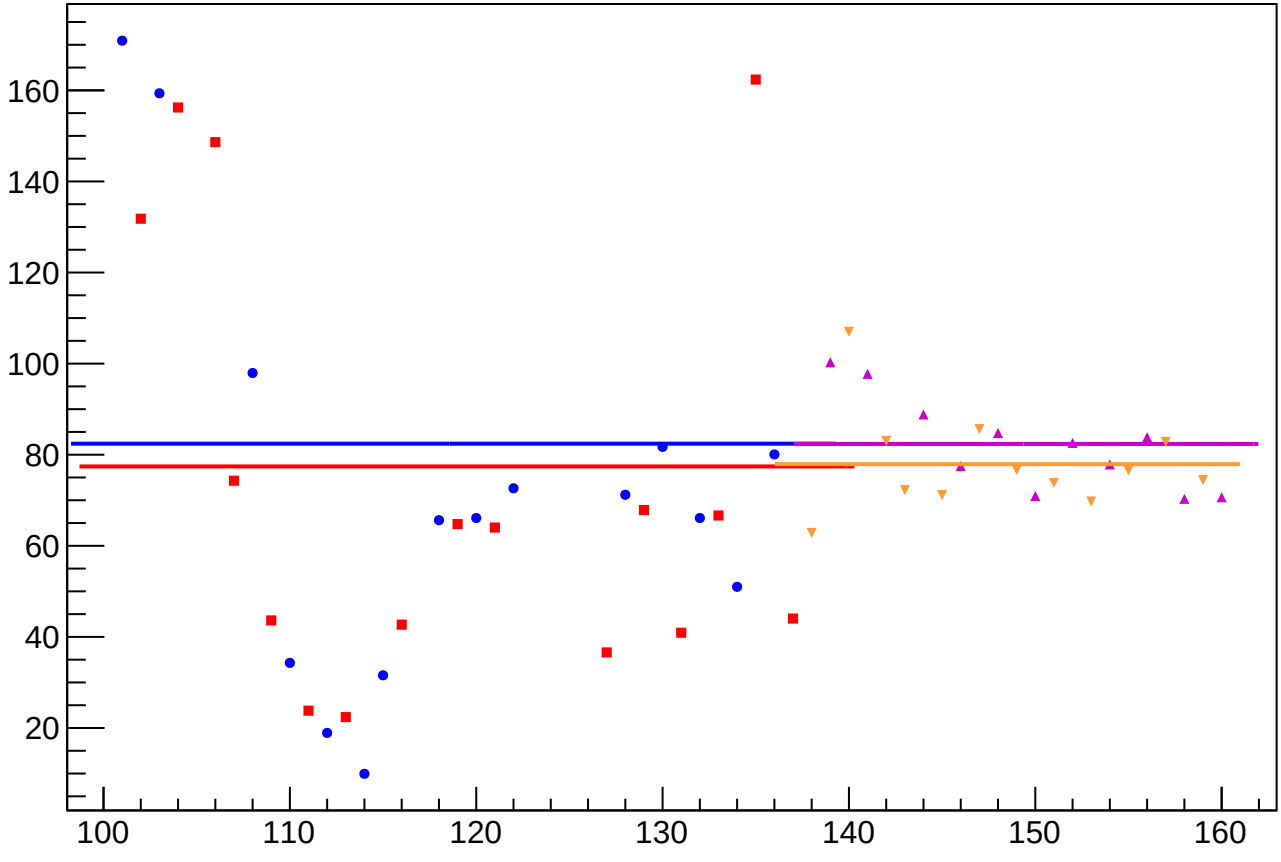
Left In: 3423.018+/-0.000 $\chi^2$/NDF:745370388420888824638695817275684945 92.0/10

+ sign 2594.359+/-0.000 $\chi^2$/NDF: 1437464688432

All: 2601.420+/-0.000 $\chi^2$/NDF: 3238374299

- sign 2608.357+/-0.000 $\chi^2$/NDF: 18007551336700

# dit_sam8_coil3_err_mean vs Slug




Right In: 82.422+/-0.000 $\chi^2$/NDF: 1263633347129443757477527241185296384.0/14

+ sign 79.794+/-0.000 $\chi^2$/NDF: 1380118069986945

Left Out: 77.927+/-0.000 $\chi^2$/NDF:1088165852895677701597195152109076 48.0/11

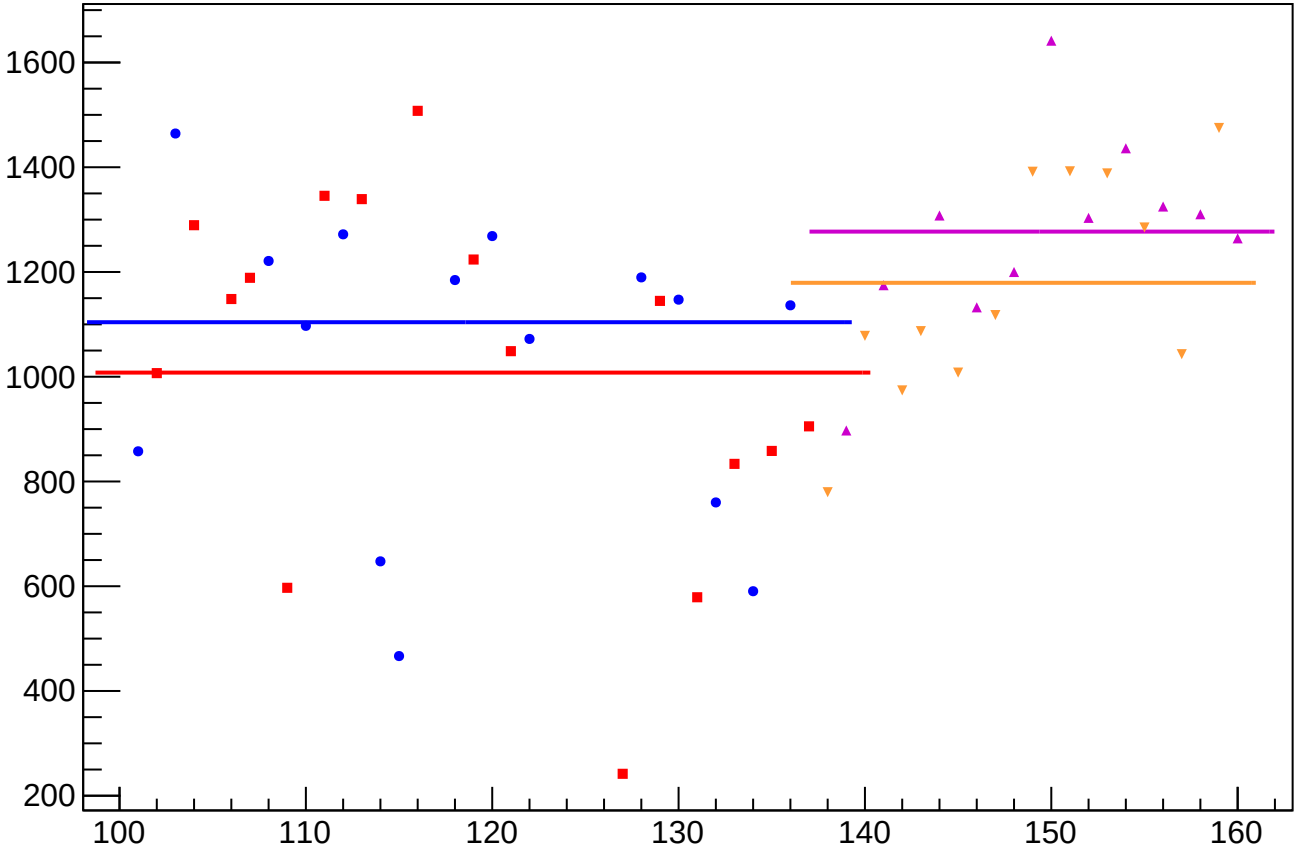
All: 80.046+/-0.000 $\chi^2$/NDF: 299335194248 3

Right Out: 77.430+/-0.000 $\chi^2$/NDF: 1515456409368458038568290276111024128.0/15

- sign 80.294+/-0.000 $\chi^2$/NDF: 1613036492452020

Left In: 82.361+/-0.000 $\chi^2$/NDF:8816053676918609649684696689069 2608.0/10

# dit_sam8_coil3_Ndata_mean vs Slug




Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14

Left Out: 1179.336+/-0.000 $\chi^2$/NDF:3874291603261086291181954413335517 5936.0/11

Right Out: 1007.906+/-0.000 $\chi^2$/NDF: 690778780098739656226959396274773688 32.0/15

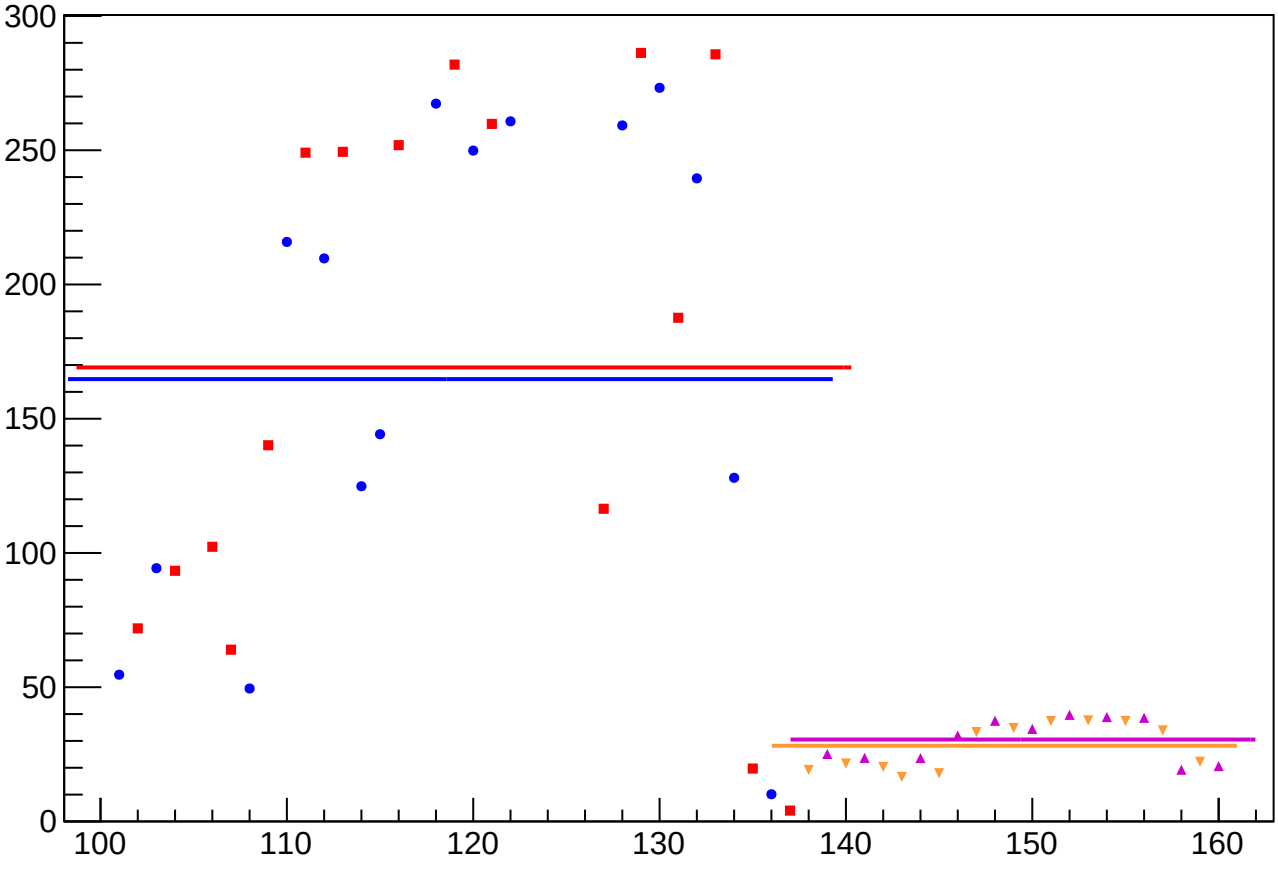
Left In: 1277.097+/-0.000 $\chi^2$/NDF:2957872990160264799807381893609737 4208.0/10

+ sign 1148.100+/-0.000 $\chi^2$/NDF: 7362836895862 5

All: 1156.244+/-0.000 $\chi^2$/NDF: 2005610203 4

- sign 1164.243+/-0.000 $\chi^2$/NDF: 1267271924930 9

# dit_4aX_coil7_mean vs Slug




Right In: 164.752+/-0.000 $\chi^2$/NDF: 636982894318183391742569991655496089 6.0/14

+ sign 84.895+/-0.000 $\chi^2$/NDF: 1350932583122595

Left Out: 28.192+/-0.000 $\chi^2$/NDF:6207392894986276808397505937853644 8.0/11

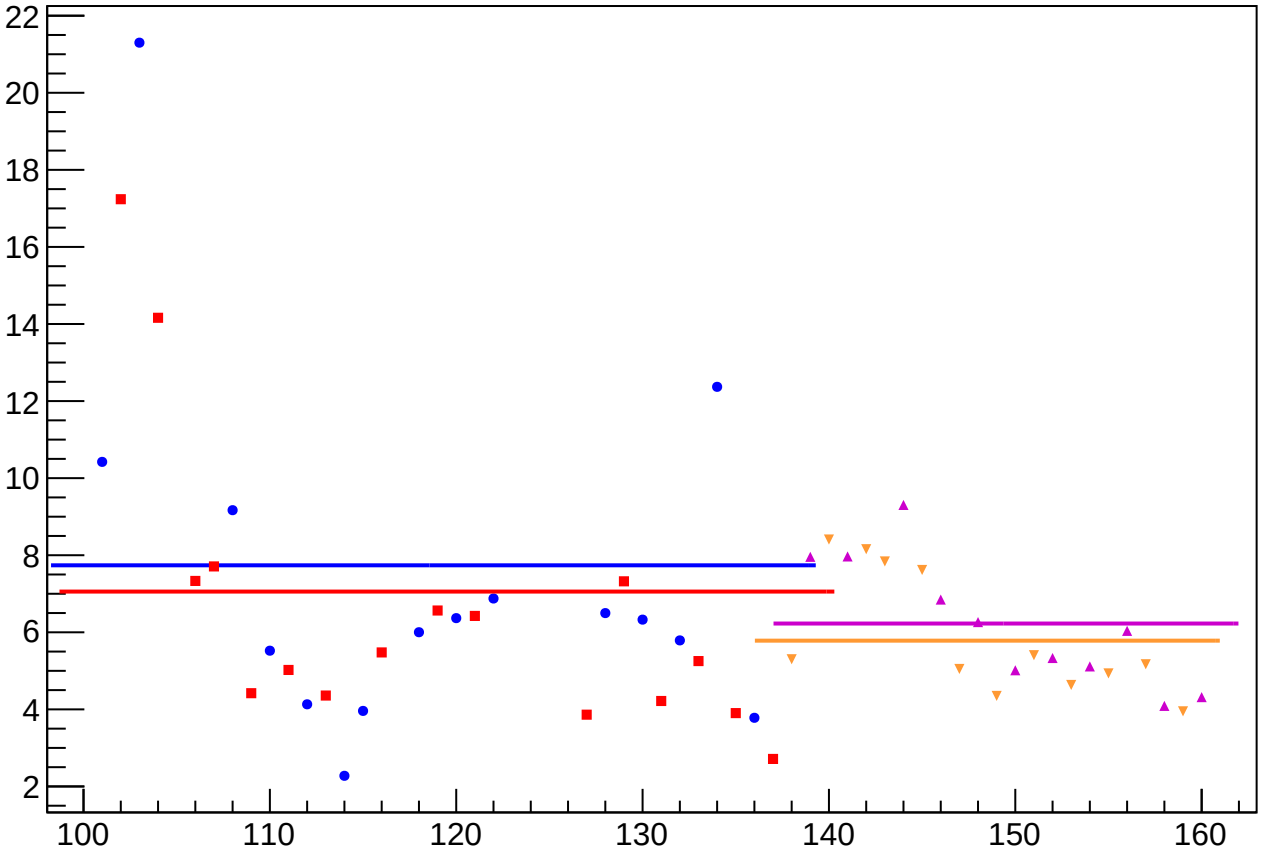
All: 86.771+/-0.000 $\chi^2$/NDF: 2705497277682

Right Out: 169.108+/-0.000 $\chi^2$/NDF: 6040721802042936822766910687819071488.0/15

- sign 88.613+/-0.000 $\chi^2$/NDF: 1353475070284198

Left In: 30.507+/-0.000 $\chi^2$/NDF:5260070014827404980158669967169945 6.0/10

# dit_4aX_coil7_err_mean vs Slug




Right In: 7.738+/-0.000 $\chi^2$/NDF: 15127215479234506007469492768079872.0/14

+ sign 6.595+/-0.000 $\chi^2$/NDF: 18660029983466047

Left Out: 5.783+/-0.000 $\chi^2$/NDF:20821036504112099958625190061015 04.0/11

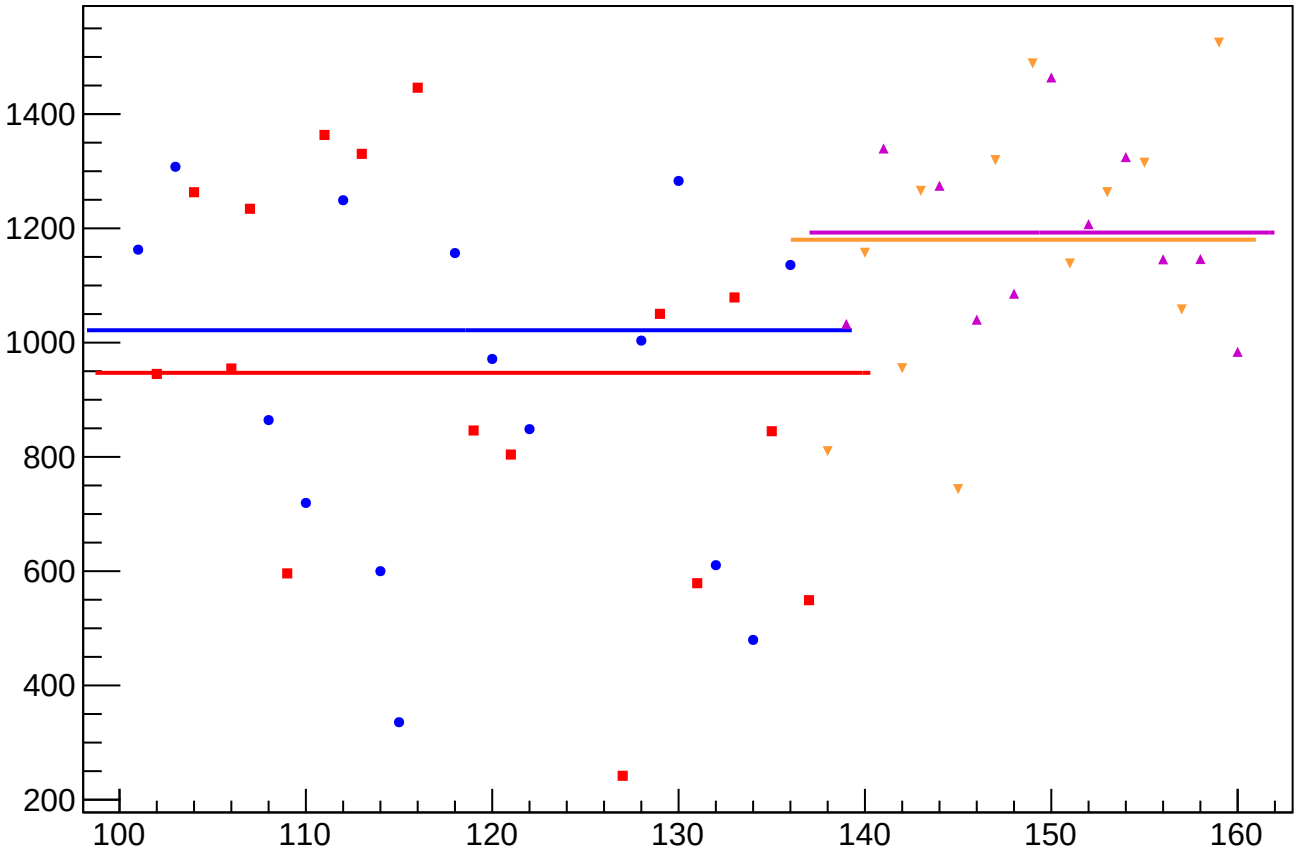
All: 6.585+/-0.000 $\chi^2$/NDF: 3255111946980 5

Right Out: 7.057+/-0.000 $\chi^2$/NDF: 11292441204139394792341242753581056.0/15

- sign 6.575+/-0.000 $\chi^2$/NDF: 13890781213861884

Left In: 6.228+/-0.000 $\chi^2$/NDF:23319117516557338093554890241474 56.0/10

# dit_4aX_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734 7968.0/11

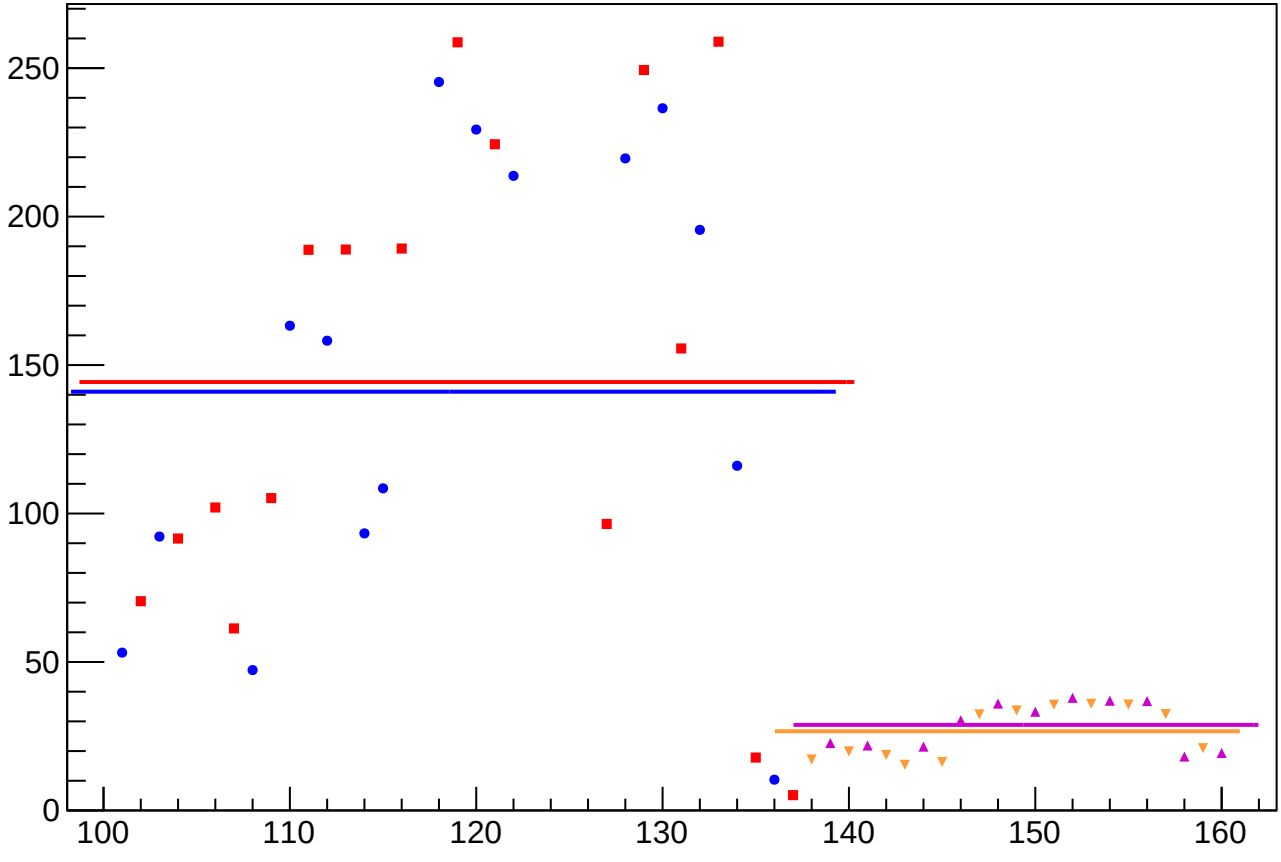
All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

Left In: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

# dit_4eX_coil7_mean vs Slug




Right In: 141.032+/-0.000 $\chi^2$/NDF: 4507992585512923332587415612245934080.0/14

+ sign 74.155+/-0.000 $\chi^2$/NDF: 9534162342398363

Left Out: 26.669+/-0.000 $\chi^2$/NDF:6252234311411585623862909696632422 4.0/11

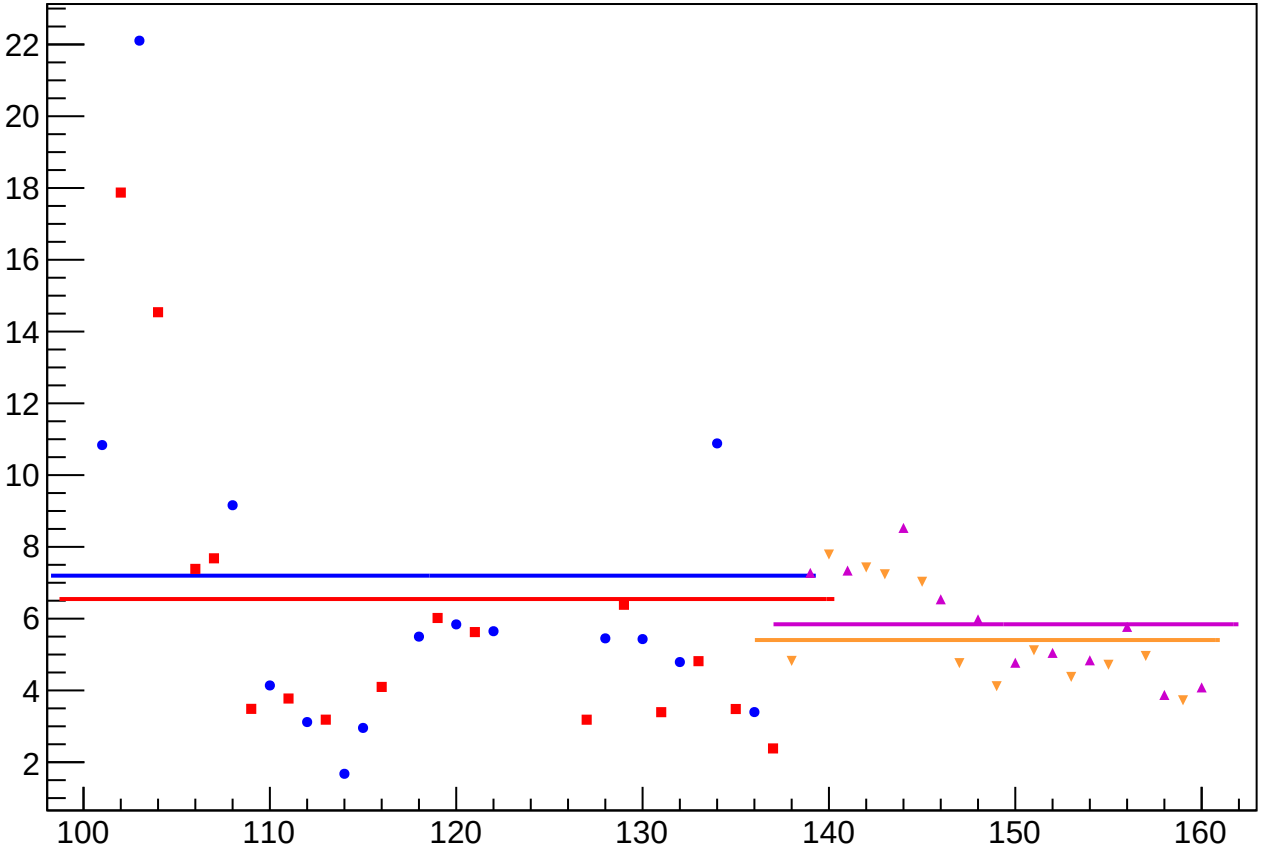
All: 75.703+/-0.000 $\chi^2$/NDF: 1902686413208

Right Out: 144.283+/-0.000 $\chi^2$/NDF: 4268333571517740886065361663928827904.0/15

- sign 77.224+/-0.000 $\chi^2$/NDF: 9485278065945565

Left In: 28.817+/-0.000 $\chi^2$/NDF:5230979753213239399055327730702745 6.0/10

# dit_4eX_coil7_err_mean vs Slug




Right In: 7.198+/-0.000 $\chi^2$/NDF: 18212640728502785337831966963138560.0/14

Left Out: 5.404+/-0.000 $\chi^2$/NDF:16574766732227345495360624153067 52.0/11

Right Out: 6.547+/-0.000 $\chi^2$/NDF: 14078912505116068936230809834094592.0/15

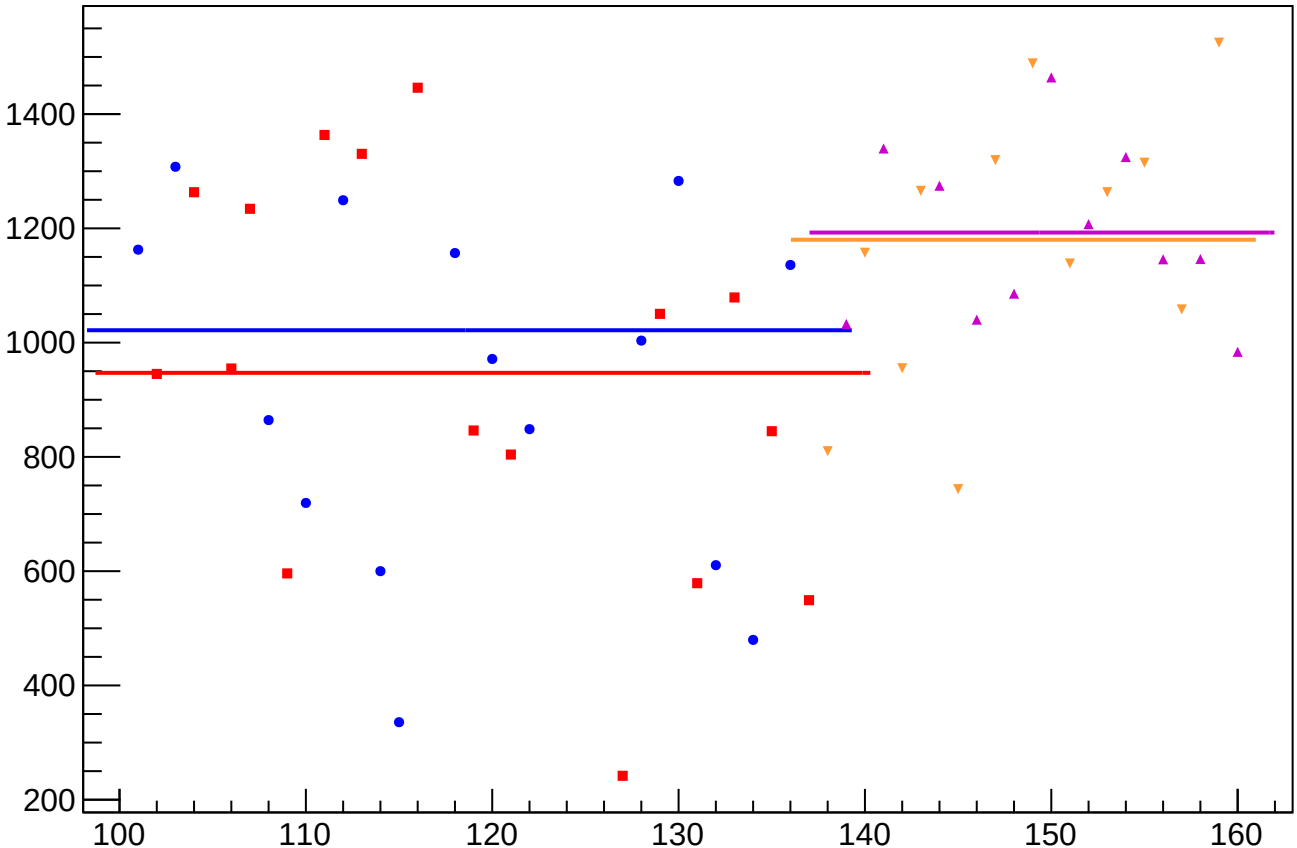
Left In: 5.843+/-0.000 $\chi^2$/NDF:18327868371027078624005378067660 80.0/10

+ sign 6.149+/-0.000 $\chi^2$/NDF: 2109105727582817 7

All: 6.144+/-0.000 $\chi^2$/NDF: 3719444625202 6

- sign 6.138+/-0.000 $\chi^2$/NDF: 1610329718374636 8

# dit_4eX_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734 7968.0/11

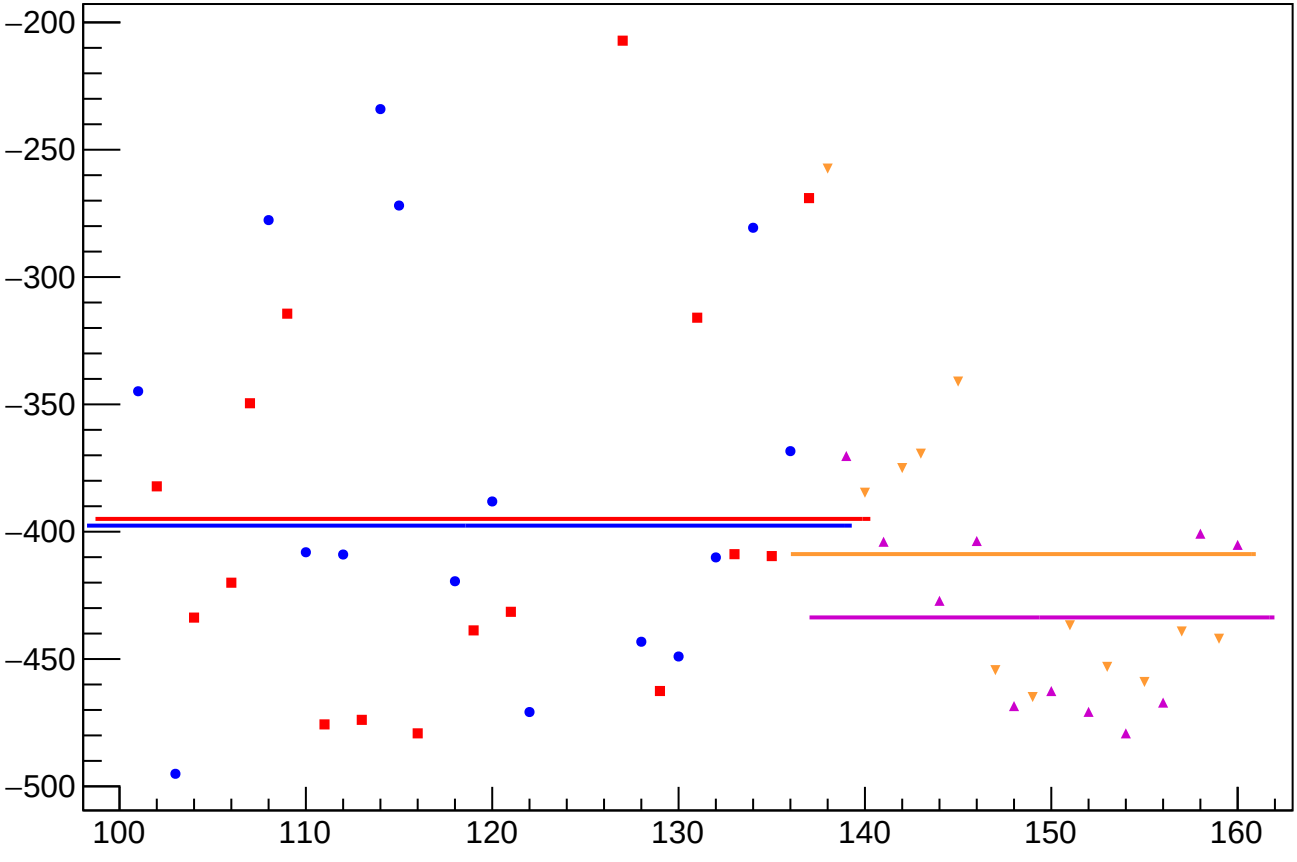
All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

Left Out: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

# dit_11X12X_coil7_mean vs Slug




Right In: -397.613+/-0.000 $\chi^2$/NDF: 266128078538463320709610622947426304 0.0/14

+ sign -404.151+/-0.000 $\chi^2$/NDF: 60752984444318

Left Out: -408.794+/-0.000 $\chi^2$/NDF:336657321396169290943910504040497152 0.0/11

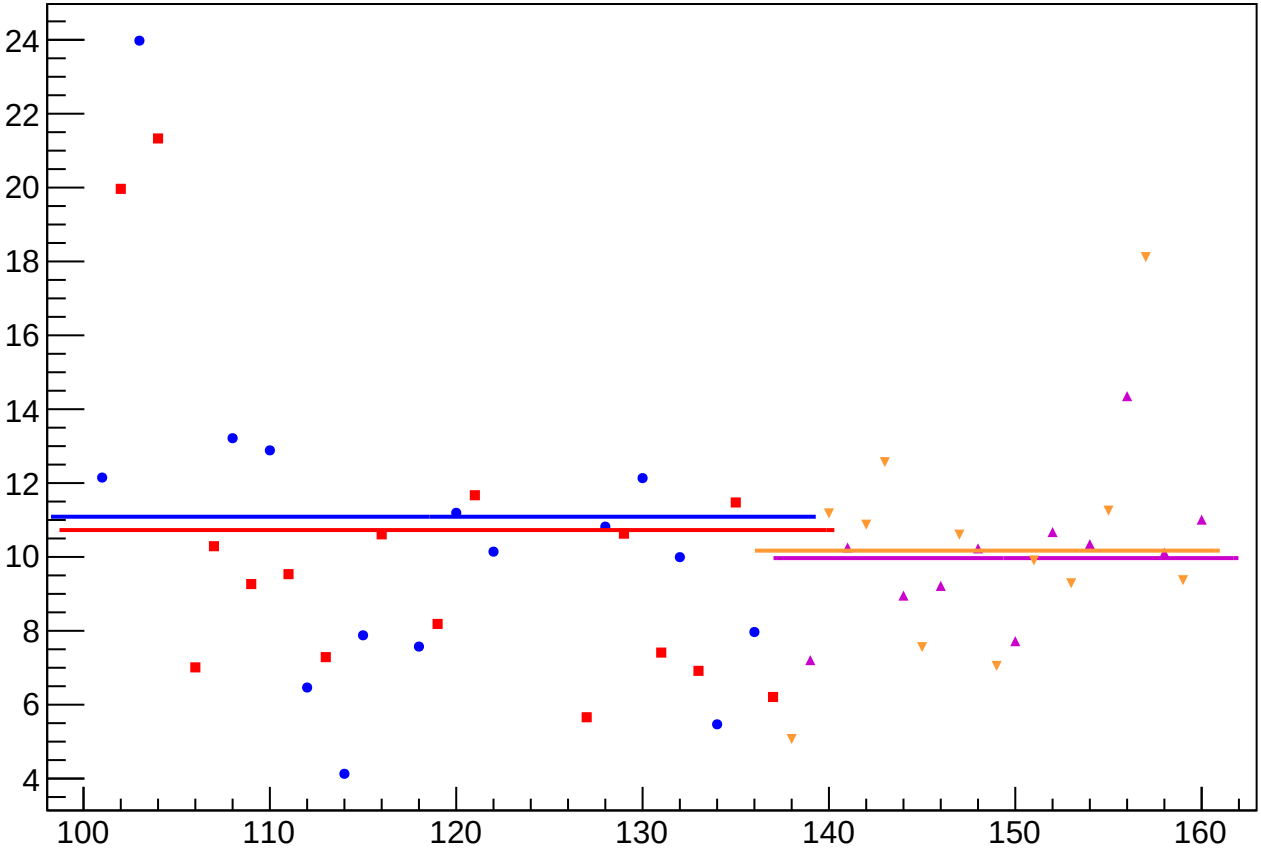
All: -410.856+/-0.000 $\chi^2$/NDF: 11678350413

Right Out: -394.973+/-0.000 $\chi^2$/NDF: 368559551342718350159616528087410278 4.0/15

- sign -417.444+/-0.000 $\chi^2$/NDF: 546374662460811

Left In: -433.664+/-0.000 $\chi^2$/NDF:119823742138546110468749548459969740 8.0/10

# dit_11X12X_coil7_err_mean vs Slug




Right In: 11.089+/-0.000 $\chi^2$/NDF: 1423599112201498447816335126691840 0.0/14

+ sign 10.552+/-0.000 $\chi^2$/NDF: 2364557431902666

Left Out: 10.171+/-0.000 $\chi^2$/NDF:9089684940831859823552687731900416.0/11

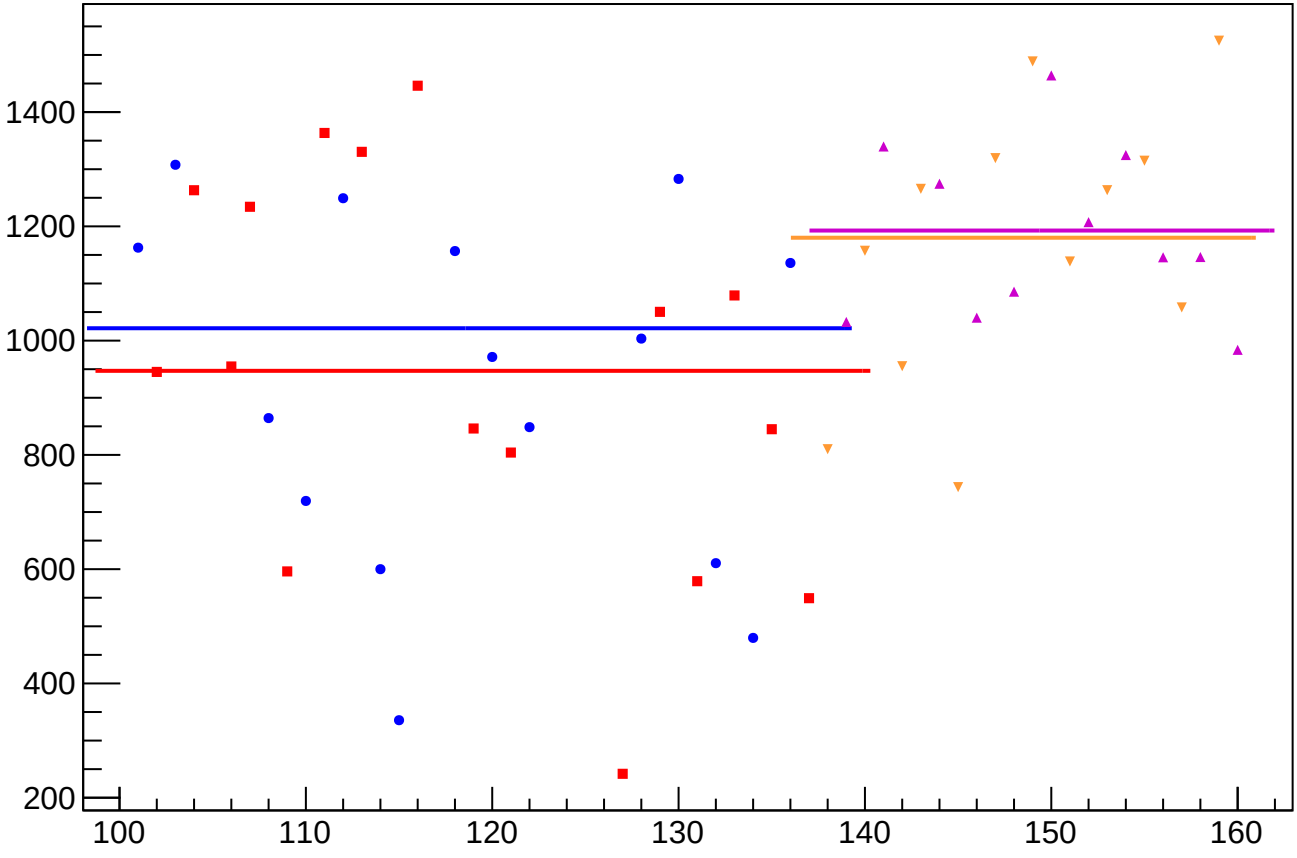
All: 10.418+/-0.000 $\chi^2$/NDF: 415971934979 4

Right Out: 10.728+/-0.000 $\chi^2$/NDF: 1476723829072526090808112443713126 4.0/15

- sign 10.287+/-0.000 $\chi^2$/NDF: 1789615499240610

Left In: 9.968+/-0.000 $\chi^2$/NDF:2905664542402179840795878184976384.0/10

# dit_11X12X_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734 7968.0/11

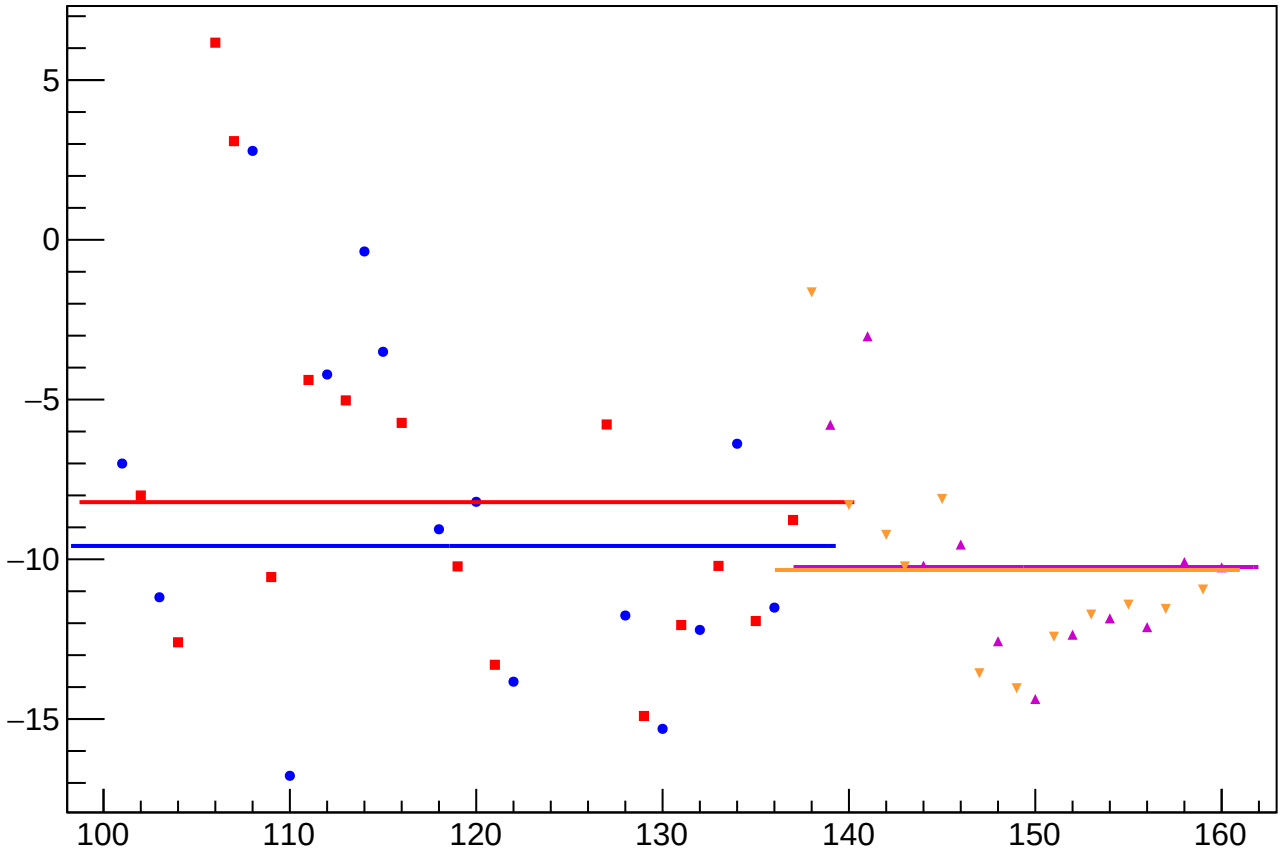
All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

Left Out: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

# dit_4aY_coil7_mean vs Slug




Right In: -9.582+/-0.000 $\chi^2$/NDF: 1470267998394000282080647196337766 4.0/14

+ sign -10.022+/-0.000 $\chi^2$/NDF: 242946352397110

Left Out: -10.333+/-0.000 $\chi^2$/NDF:937769242502636537504704147488768 0.0/11

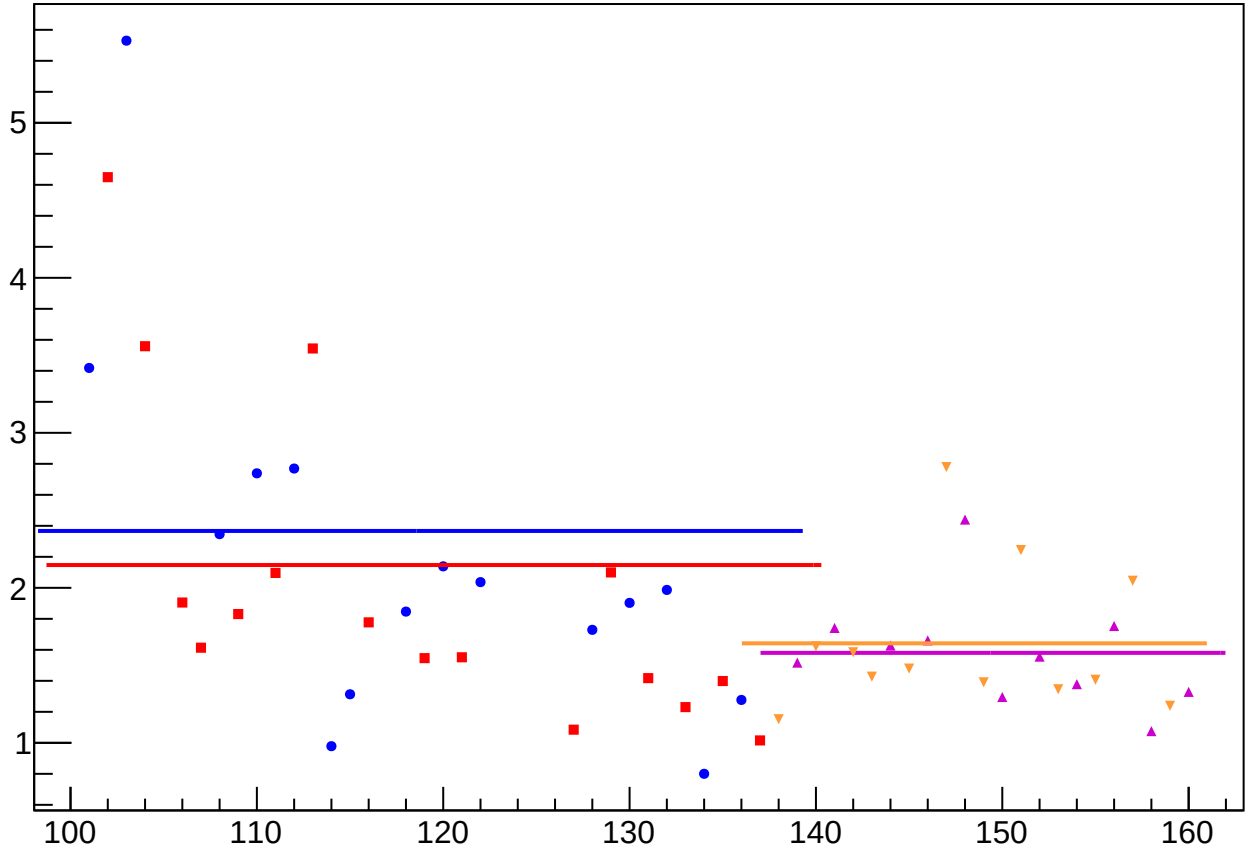
All: -9.703+/-0.000 $\chi^2$/NDF: 5350258312452

Right Out: -8.211+/-0.000 $\chi^2$/NDF: 183042372938359614656057542044549 12.0/15

- sign -9.390+/-0.000 $\chi^2$/NDF: 2889381959602526 7

Left In: -10.241+/-0.000 $\chi^2$/NDF:899282908840843048348597777281843 2.0/10

# dit_4aY_coil7_err_mean vs Slug




Right In: 2.367+/-0.000 $\chi^2$/NDF: 920633294546152876922066767446016.0/14

Left Out: 1.642+/-0.000 $\chi^2$/NDF:195842148226043527039909915262976.0/11

Right Out: 2.147+/-0.000 $\chi^2$/NDF: 764171992480224478656127555338240.0/15

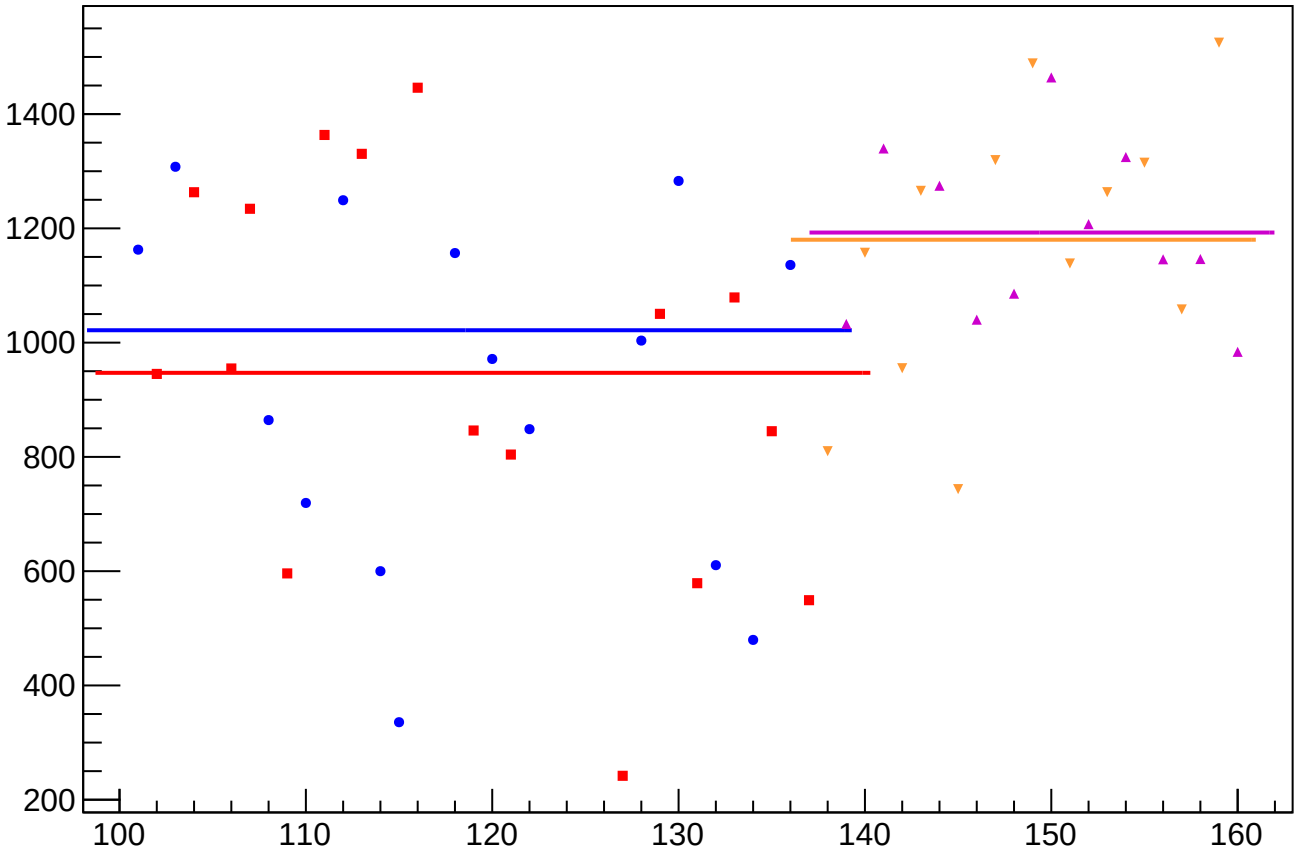
Left In: 1.580+/-0.000 $\chi^2$/NDF:104159820106689813353171792166912.0/10

+ sign 1.943+/-0.000 $\chi^2$/NDF: 1315983441767776

All: 1.880+/-0.000 $\chi^2$/NDF: 2321029523106

- sign 1.818+/-0.000 $\chi^2$/NDF: 99272780450860702

# dit_4aY_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734 7968.0/11

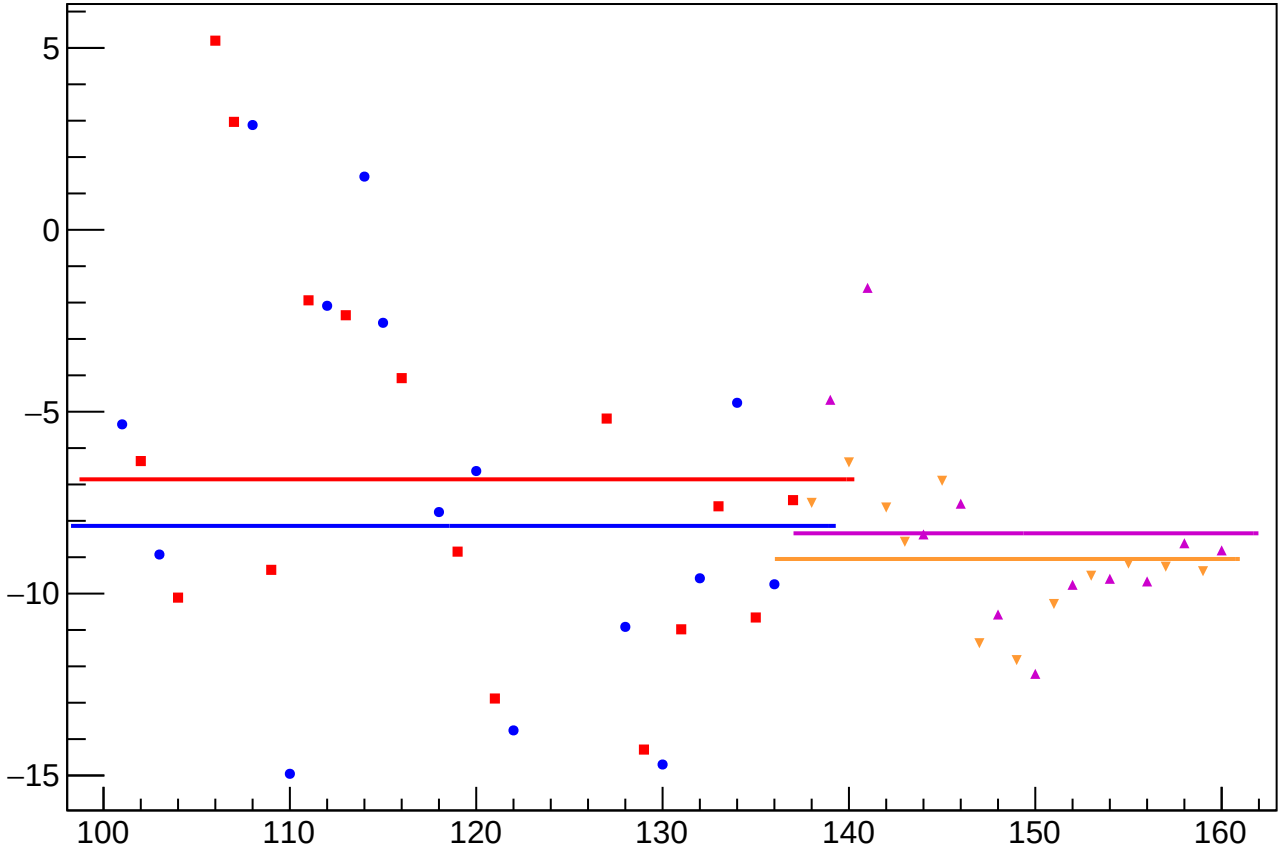
All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

Left Out: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

# dit_4eY_coil7_mean vs Slug




Right In: -8.139+/-0.000 $\chi^2$/NDF: 1467644264922212037253377989332172 8.0/14

Left Out: -9.049+/-0.000 $\chi^2$/NDF:2449058506184839792133889501167616.0/11

Right Out: -6.859+/-0.000 $\chi^2$/NDF: 1648363156159179073135263215307980 8.0/15

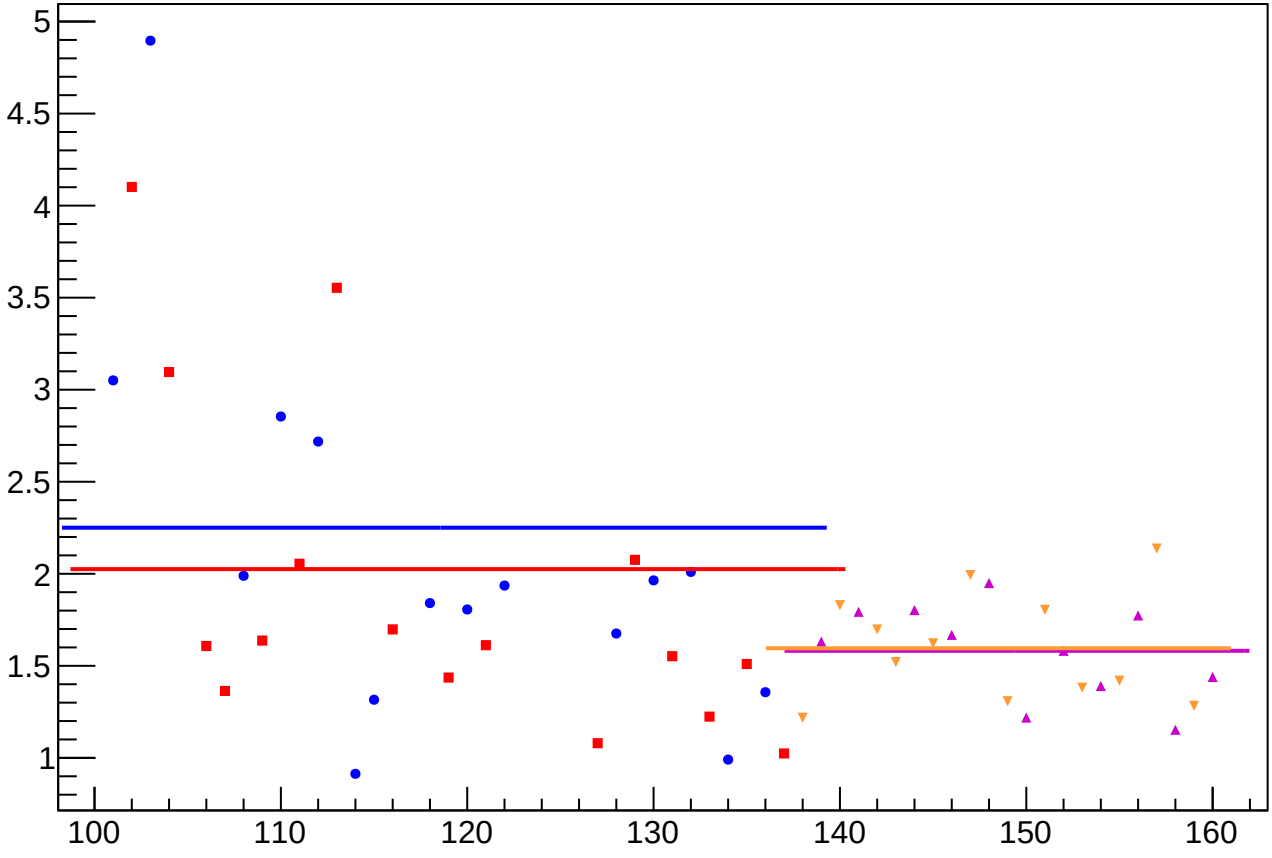
Left In: -8.343+/-0.000 $\chi^2$/NDF:7268690948063694771204756789526528.0/10

+ sign -8.671+/-0.000 $\chi^2$/NDF: 1743954297052969

All: -8.191+/-0.000 $\chi^2$/NDF: 4275682258895

- sign -7.721+/-0.000 $\chi^2$/NDF: 2460541769521765

# dit_4eY_coil7_err_mean vs Slug




Right In: 2.250+/-0.000 $\chi^2$/NDF: 6567745881362748162954427010908 16.0/14

Left Out: 1.595+/-0.000 $\chi^2$/NDF:7654921329220878114854523004518 4.0/11

Right Out: 2.025+/-0.000 $\chi^2$/NDF: 5787174417629564546165055999180 80.0/15

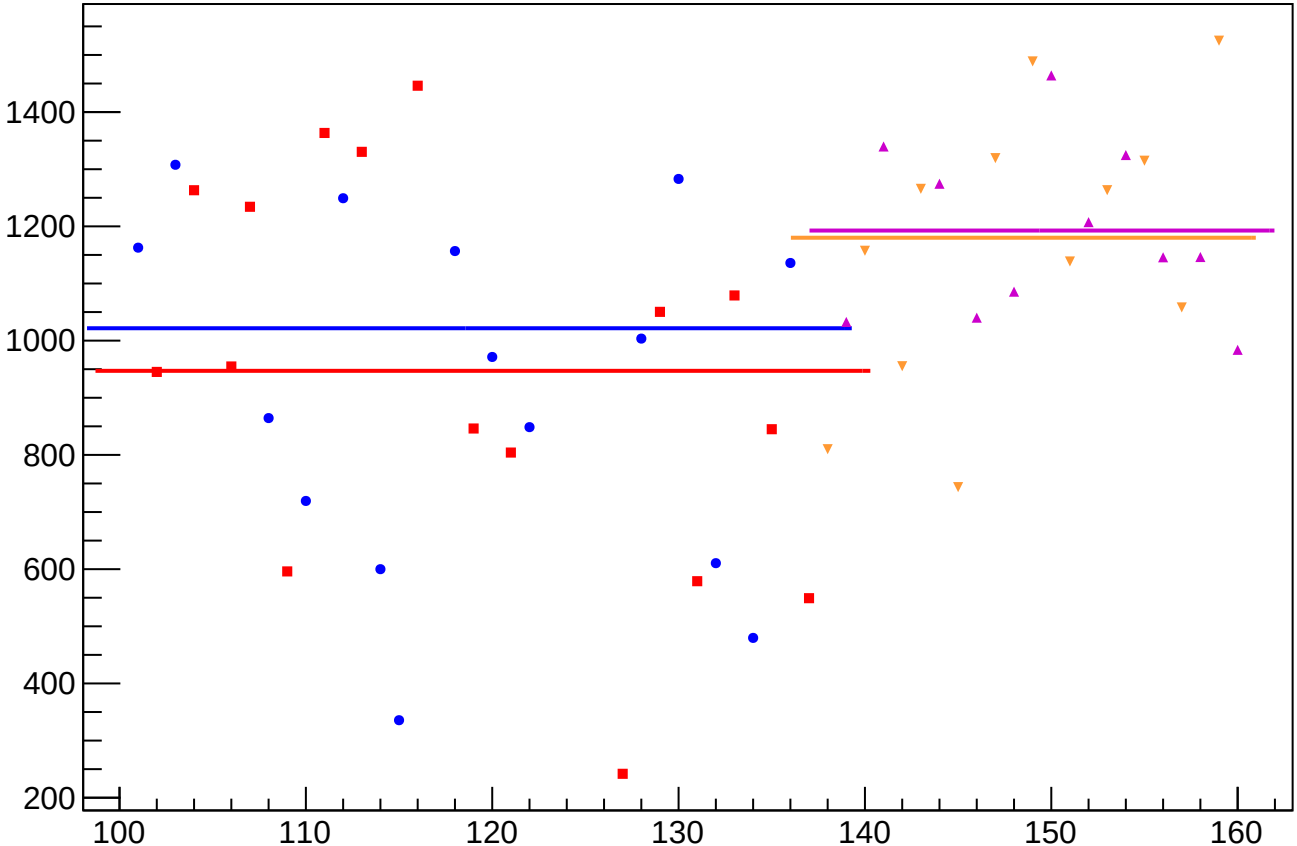
Left In: 1.582+/-0.000 $\chi^2$/NDF:5493098814576343490489799933952 0.0/10

+ sign 1.867+/-0.000 $\chi^2$/NDF: 8961684903925900 9

All: 1.817+/-0.000 $\chi^2$/NDF: 1613932314765 0

- sign 1.768+/-0.000 $\chi^2$/NDF: 7099264779947717 7

# dit_4eY_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734 7968.0/11

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

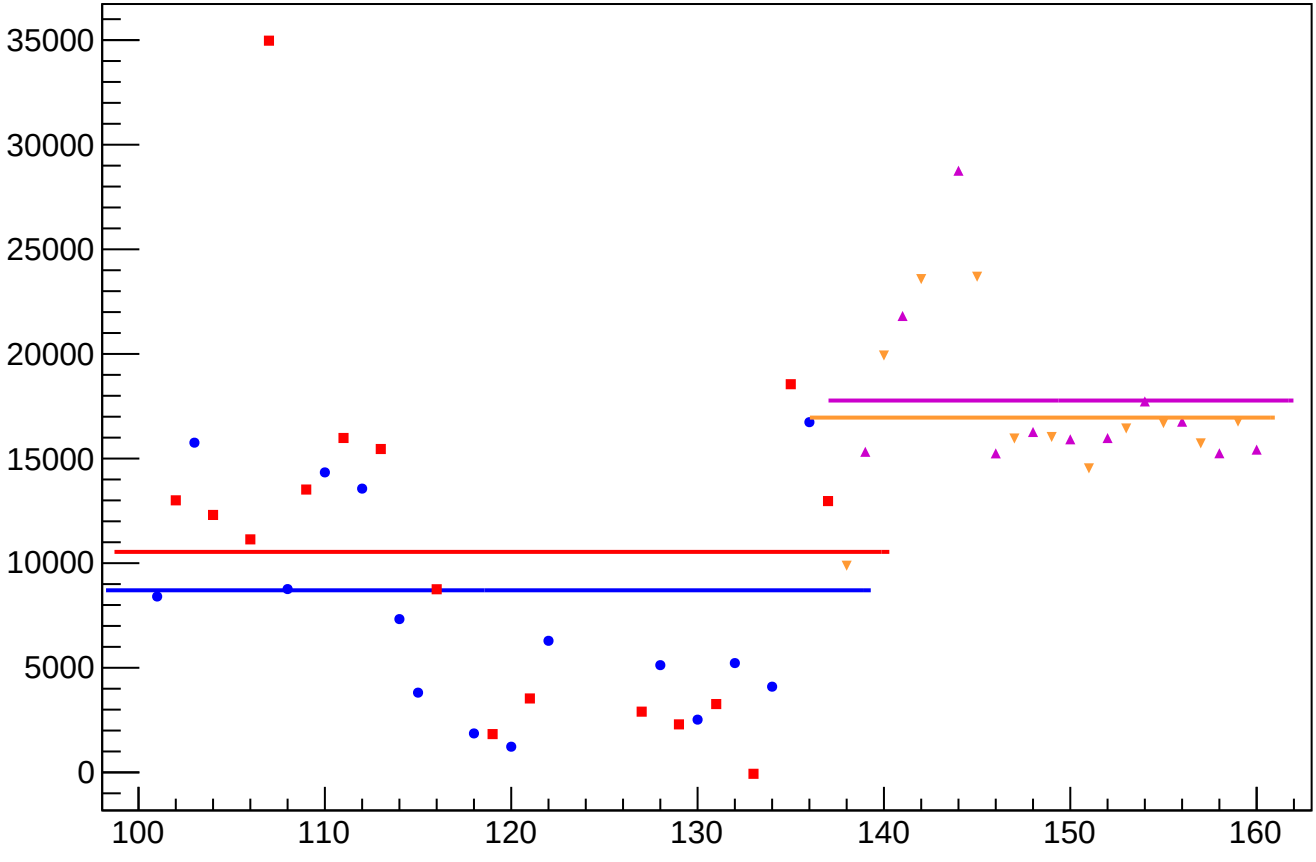
Left In: 1192.687+/-0.000 $\chi^2$/NDF:1925528738372820566265402286738191155 2.0/10

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

# dit_usl_coil7_mean vs Slug




Right In: 8703.332+/-0.000 $\chi^2$/NDF: 195011330673084268595363045008191919226 88.0/14

Left Out: 16957.575+/-0.000 $\chi^2$/NDF:109380086255505617702852542976972438896 64.0/10

Right Out: 10539.327+/-0.000 $\chi^2$/NDF: 462266842278361092733940625697537586626 56.0/15

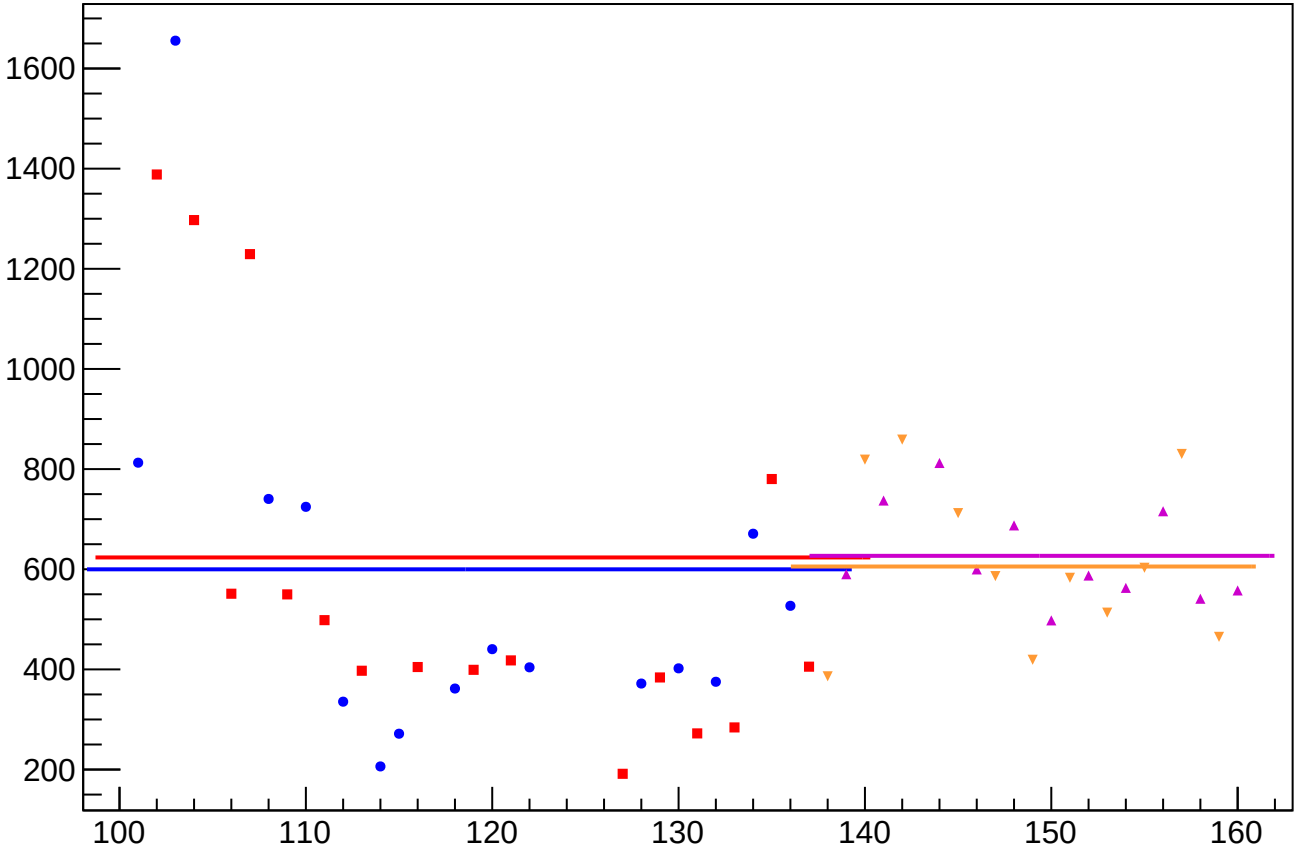
Left In: 17773.103+/-0.000 $\chi^2$/NDF:149260669911428894526765875526186324459 52.0/10

+ sign 13376.690+/-0.000 $\chi^2$/NDF: 5547433572288

All: 14079.562+/-0.000 $\chi^2$/NDF: 1383312786

- sign 14740.464+/-0.000 $\chi^2$/NDF: 8142294021651

# dit_usl_coil7_err_mean vs Slug




Right In: 599.849+/-0.000 $\chi^2$/NDF: 8925896110037324430933720871563847 2704.0/14

+ sign 603.023+/-0.000 $\chi^2$/NDF: 109870540550335

Left Out: 605.454+/-0.000 $\chi^2$/NDF:206000366965768896864889138627068559 36.0/10

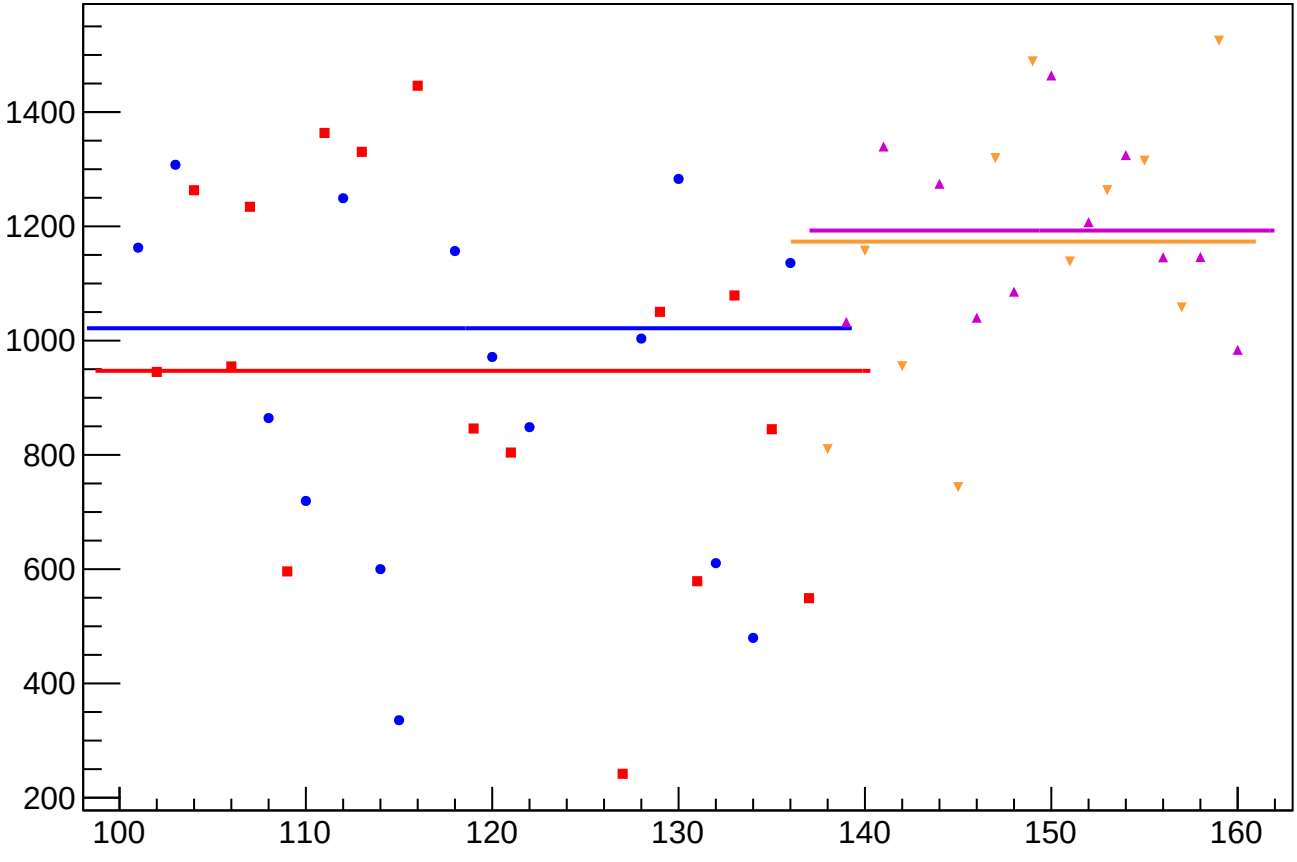
All: 614.575+/-0.000 $\chi^2$/NDF: 21988174064 5

Right Out: 623.569+/-0.000 $\chi^2$/NDF: 101448845479297603044152618126879490048.0/15

- sign 625.437+/-0.000 $\chi^2$/NDF: 109623841978162

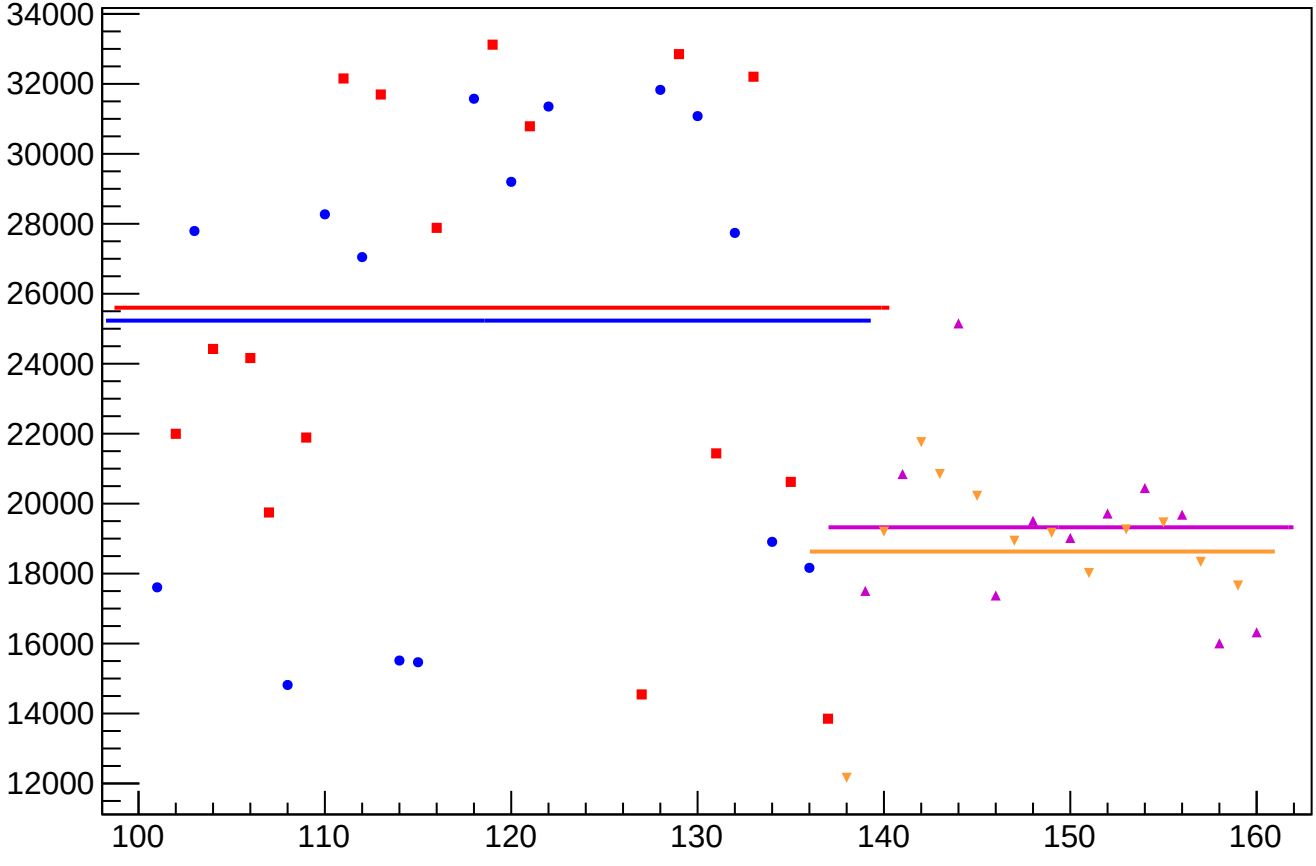
Left In: 626.785+/-0.000 $\chi^2$/NDF:817098942966537005025427577470399 2832.0/10

# dit_usl_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14
+ sign 1107.545+/-0.000 $\chi^2$/NDF: 99202805471874
Left Out: 1173.334+/-0.000 $\chi^2$/NDF:50259225692125439679244442751924699136.0/10
All: 1098.373+/-0.000 $\chi^2$/NDF: 2098418779 5
Right Out: 947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181964 80.0/15
- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366
Left In: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

# dit_usr_coil7_mean vs Slug




Right In: 25232.229+/-0.000 $\chi^2$/NDF: 2453458197477203101630463386353863229440 0.0/14

+ sign 21371.781+/-0.000 $\chi^2$/NDF: 4557364101800

Left Out: 18630.609+/-0.000 $\chi^2$/NDF:4499157177792733453337123782201790431232.0/11

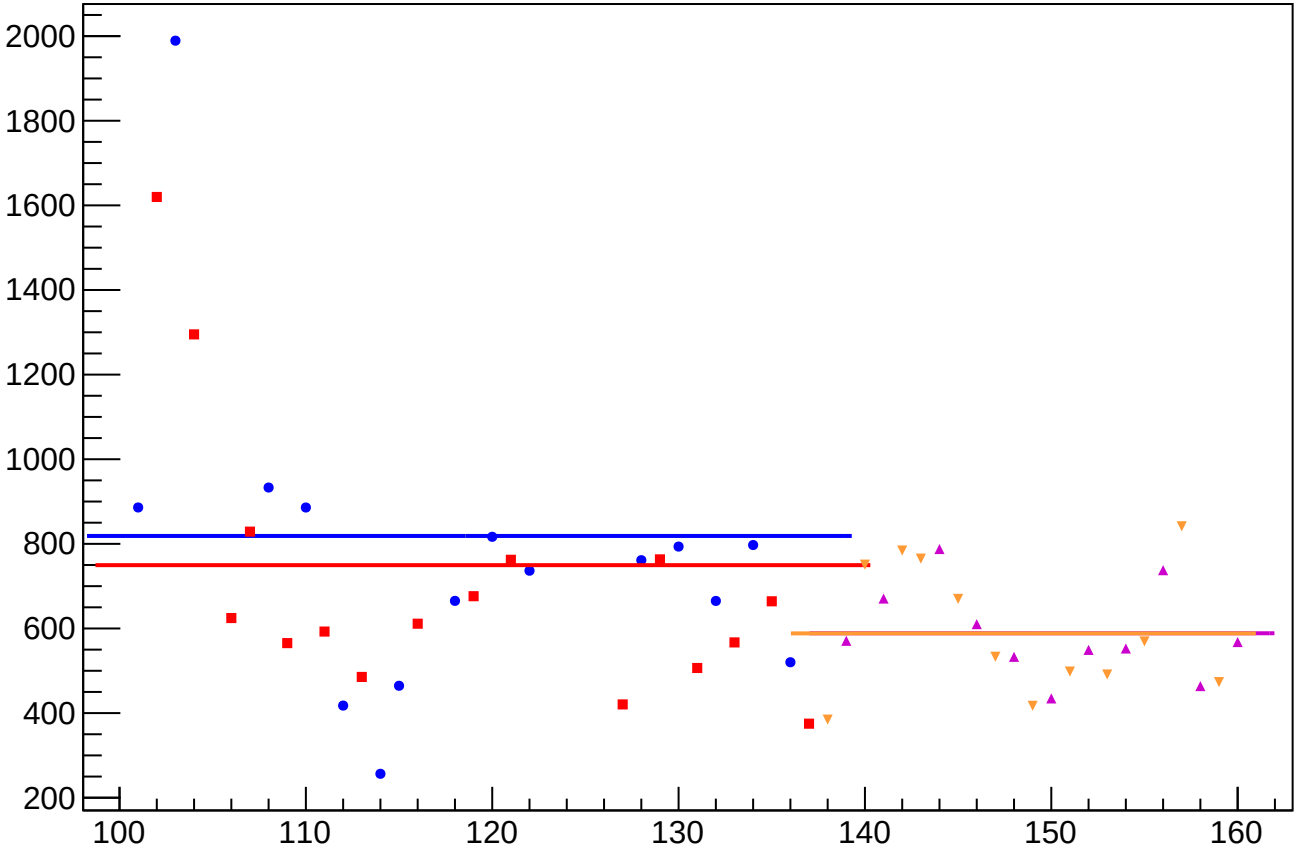
All: 21666.026+/-0.000 $\chi^2$/NDF: 9098110501

Right Out: 25601.388+/-0.000 $\chi^2$/NDF: 2435975758796451082765081984727048309964 8.0/15

- sign 21955.094+/-0.000 $\chi^2$/NDF: 4513919478175

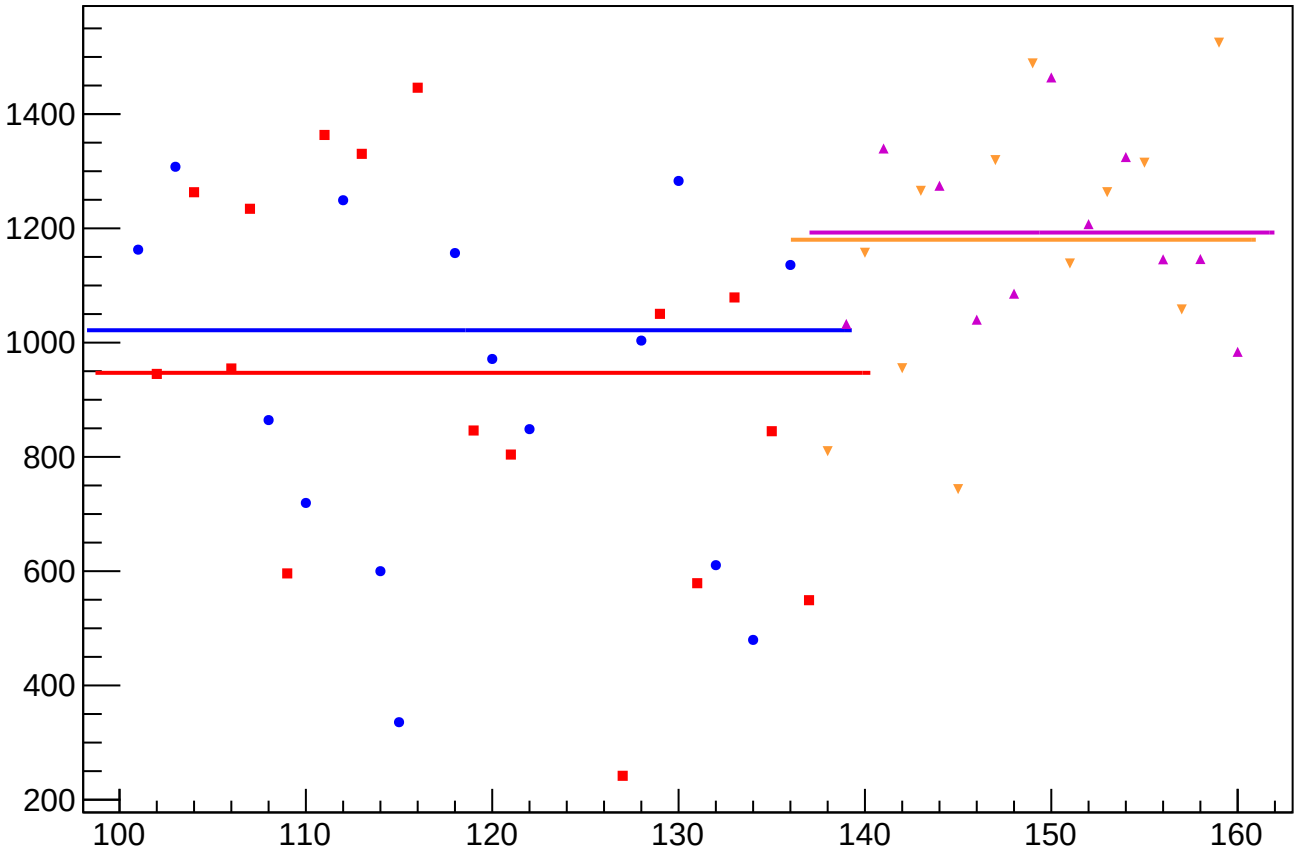
Left In: 19322.974+/-0.000 $\chi^2$/NDF:5509841990831420617123513924011035721728.0/10

# dit_usr_coil7_err_mean vs Slug




Right In: 818.668+/-0.000 $\chi^2$/NDF: 1056065270969119744894968023183733555 20.0/14
+ sign 684.008+/-0.000 $\chi^2$/NDF: 1457915690693 88
Left Out: 588.391+/-0.000 $\chi^2$/NDF:2006019737798911499129666566607811 3792.0/11
All: 669.969+/-0.000 $\chi^2$/NDF: 2443165090 40
Right Out: 749.661+/-0.000 $\chi^2$/NDF: 7797269183460570870614546125066915 0208.0/15
- sign 656.176+/-0.000 $\chi^2$/NDF: 979142023590546
Left In: 588.693+/-0.000 $\chi^2$/NDF:9904386894828699094725074481582178304.0/10

# dit_usr_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734 7968.0/11

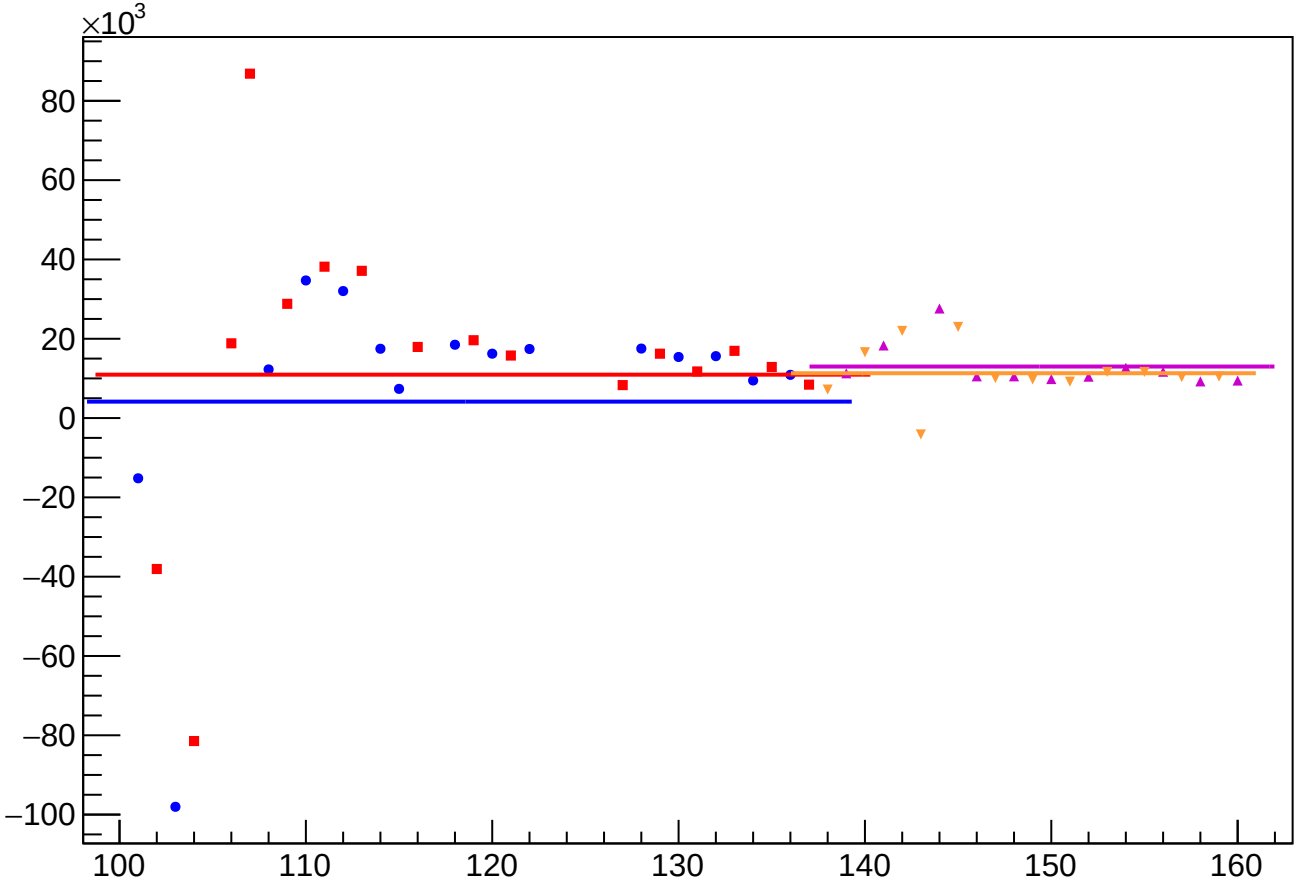
All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

Left In: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

# dit_atl1_coil7_mean vs Slug




Right In: 4145.268+/-0.000 $\chi^2$/NDF: 7636939983950646896379723819335076481597 44.0/14

+ sign 8333.706+/-0.000 $\chi^2$/NDF: 8194448772748 5

Left Out: 11307.773+/-0.000 $\chi^2$/NDF:3628106586224425978730098238817854868684 8.0/11

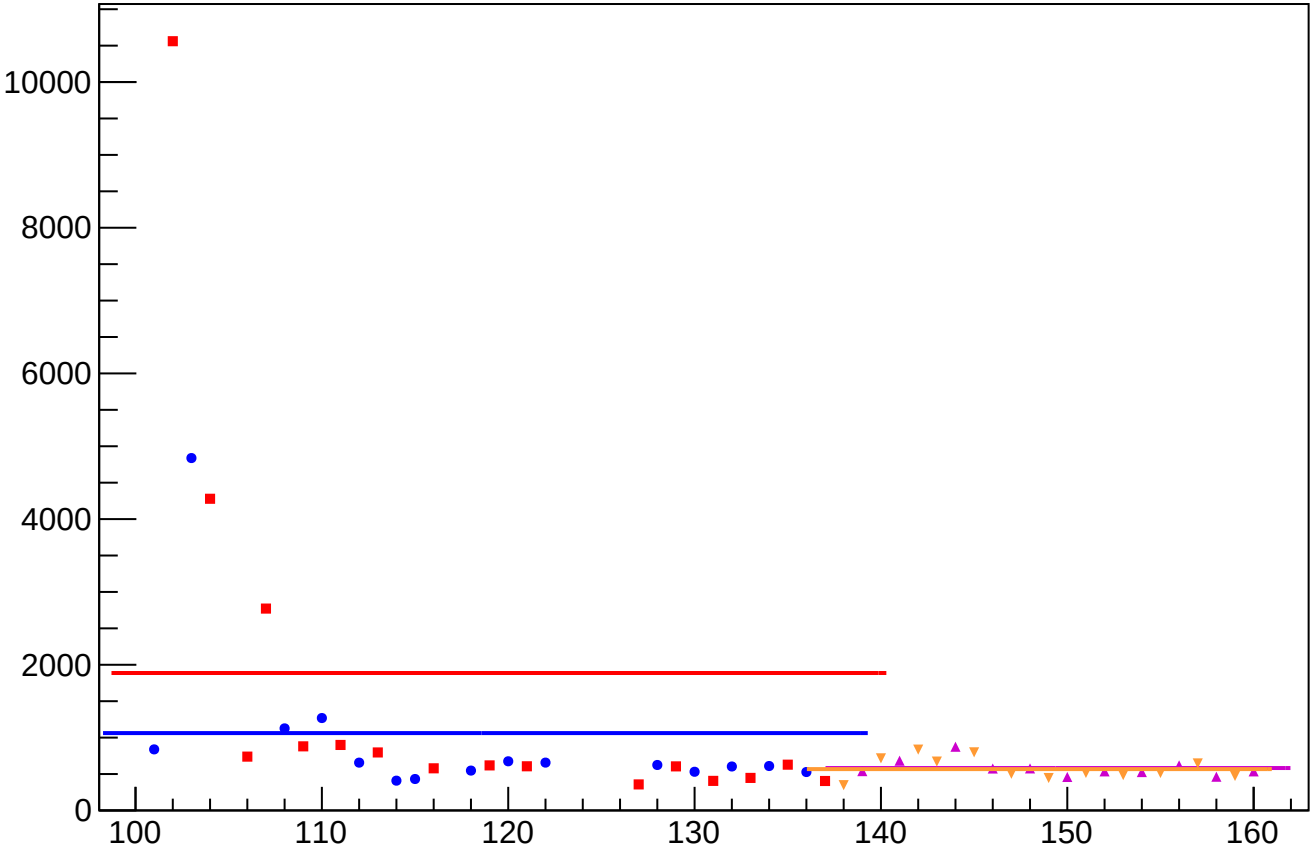
All: 10251.942+/-0.000 $\chi^2$/NDF: 1732817087

Right Out: 10948.073+/-0.000 $\chi^2$/NDF: 8739496685103272015146014631153961910927 36.0/15

- sign 12136.418+/-0.000 $\chi^2$/NDF: 9019709098500

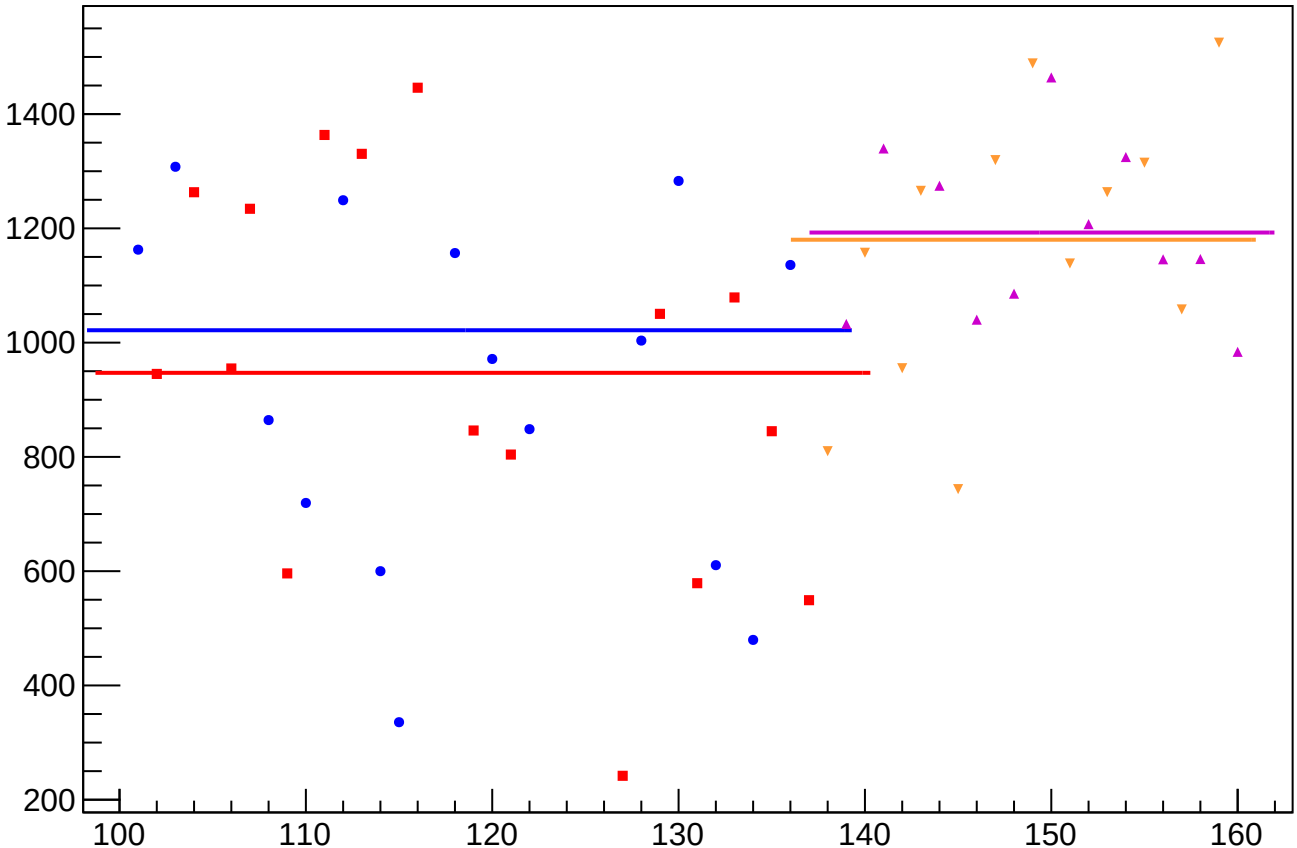
Left In: 12994.239+/-0.000 $\chi^2$/NDF:2639939747320906331564871104022427625062 4.0/10

# dit_atl1_coil7_err_mean vs Slug




Right In: 1062.141+/-0.000 $\chi^2$/NDF: 952806231926530012715872184655778152448.0/14
+ sign 773.025+/-0.000 $\chi^2$/NDF: 106309785539188
Left Out: 567.733+/-0.000 $\chi^2$/NDF:175228847476874951680101921792553123 84.0/11
All: 952.780+/-0.000 $\chi^2$/NDF: 736031273486
Right Out: 1887.077+/-0.000 $\chi^2$/NDF: 552587271836384562036602938756905828 3520.0/15
- sign 1129.371+/-0.000 $\chi^2$/NDF: 61970965674299
Left In: 582.413+/-0.000 $\chi^2$/NDF:118601444625381818138146789657296240 64.0/10

# dit_atl1_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734 7968.0/11

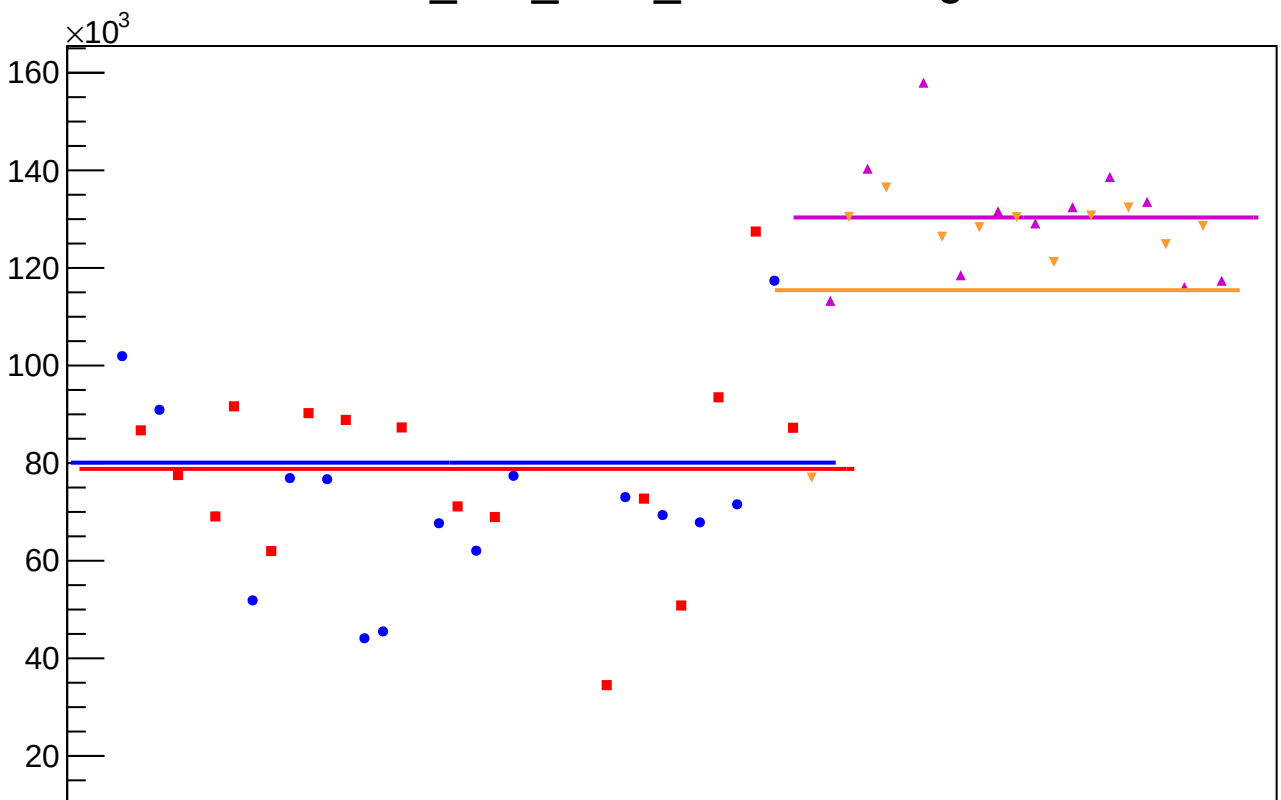
All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

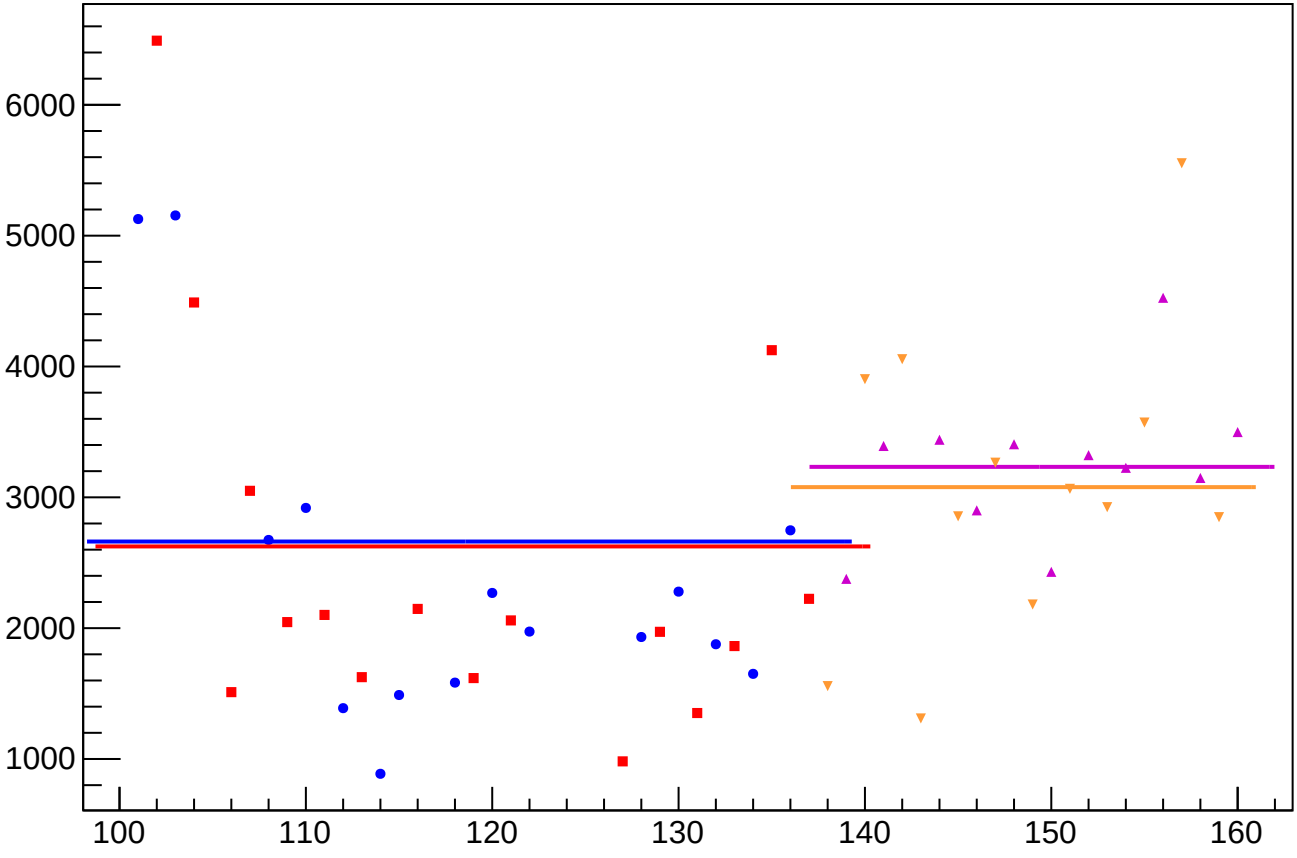
Left In: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

# dit_atl2_coil7_mean vs Slug




Right In: 80102.504+/-0.000 $\chi^2$/NDF: 2545217840972586547236075226317424657694 72.0/14
+ sign 100772.113+/-0.000 $\chi^2$/NDF: 17674802689 5
Left Out: 115448.893+/-0.000 $\chi^2$/NDF:1038801657464811255416211206986838896017408.0/11
All: 104792.930+/-0.000 $\chi^2$/NDF: 32804450 0
Right Out: 78815.832+/-0.000 $\chi^2$/NDF: 2860769192178110994344704422319981854 72000.0/15
- sign 108742.985+/-0.000 $\chi^2$/NDF: 146287150012
Left In: 130346.244+/-0.000 $\chi^2$/NDF:1481748710154398198201004592799992785 14176.0/10

# dit_atl2_coil7_err_mean vs Slug




Right In: 2662.183+/-0.000 $\chi^2$/NDF: 1031389230165640157864439705583367487488.0/14

Left Out: 3077.945+/-0.000 $\chi^2$/NDF:1073709891492389198093936322660595138560.0/11

Right Out: 2624.696+/-0.000 $\chi^2$/NDF: 1566705216866534713590934835660406652928.0/15

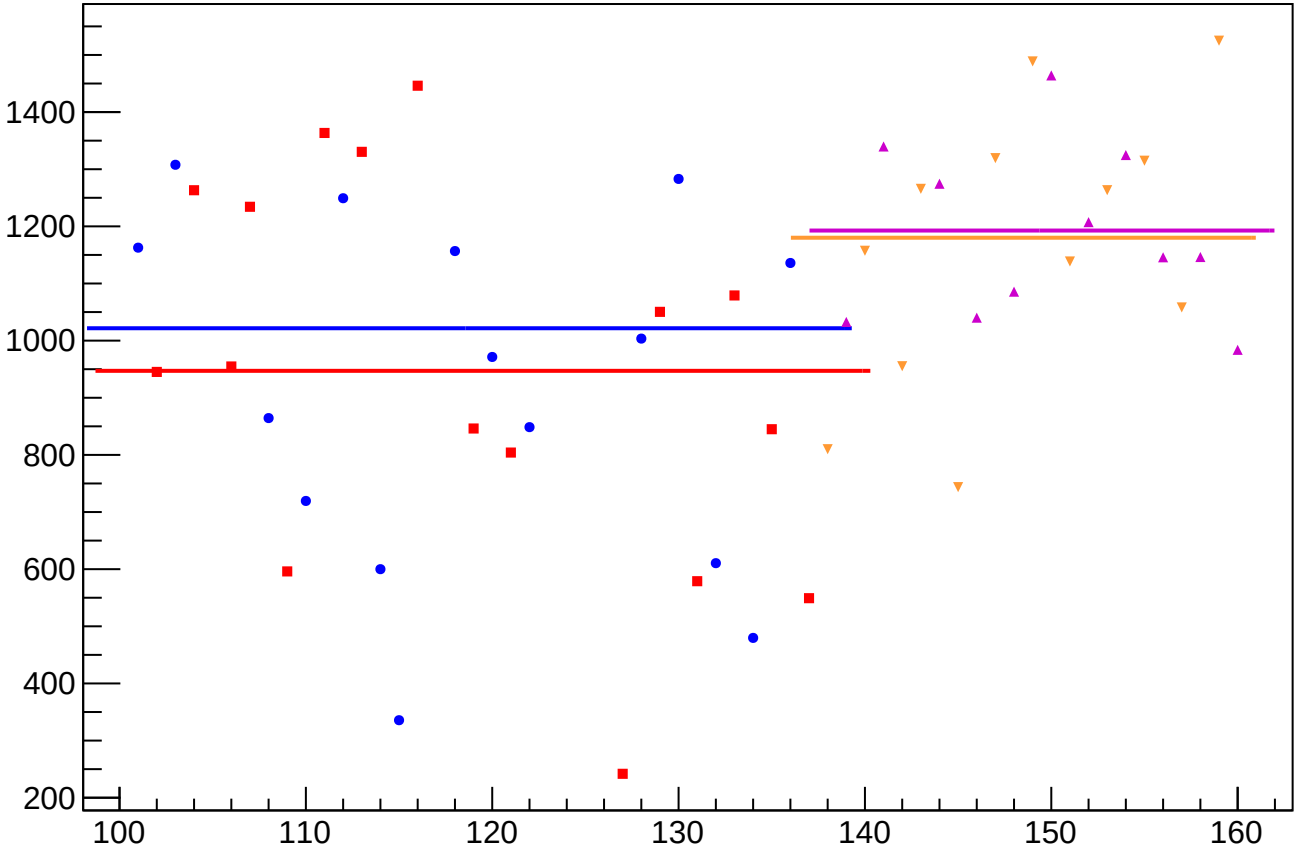
Left In: 3232.879+/-0.000 $\chi^2$/NDF:2757210076138912767410072402833314938888.0/10

+ sign 2905.309+/-0.000 $\chi^2$/NDF: 21707015926614

All: 2941.931+/-0.000 $\chi^2$/NDF: 41605670277

- sign 2977.909+/-0.000 $\chi^2$/NDF: 19857098184284

# dit_atl2_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734 7968.0/11

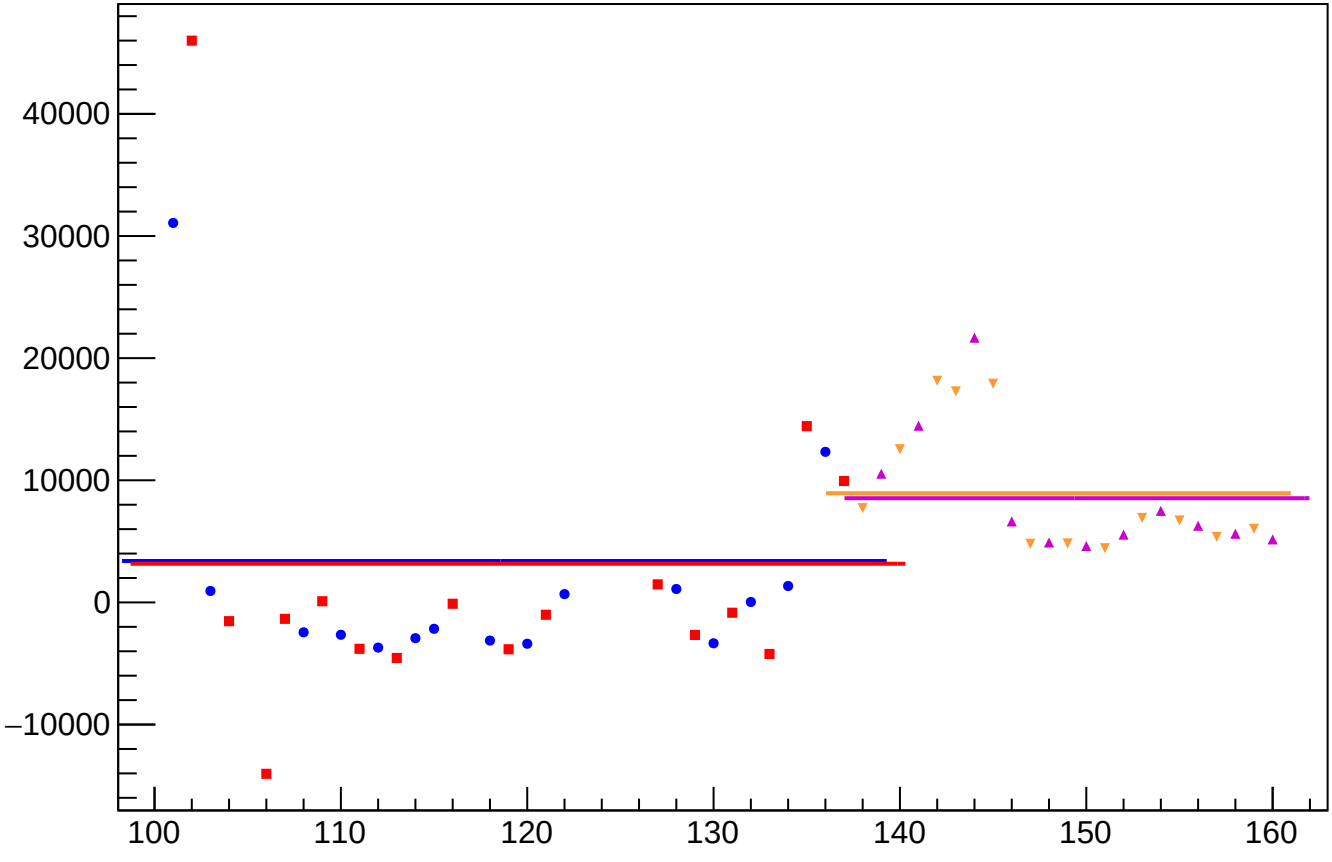
All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

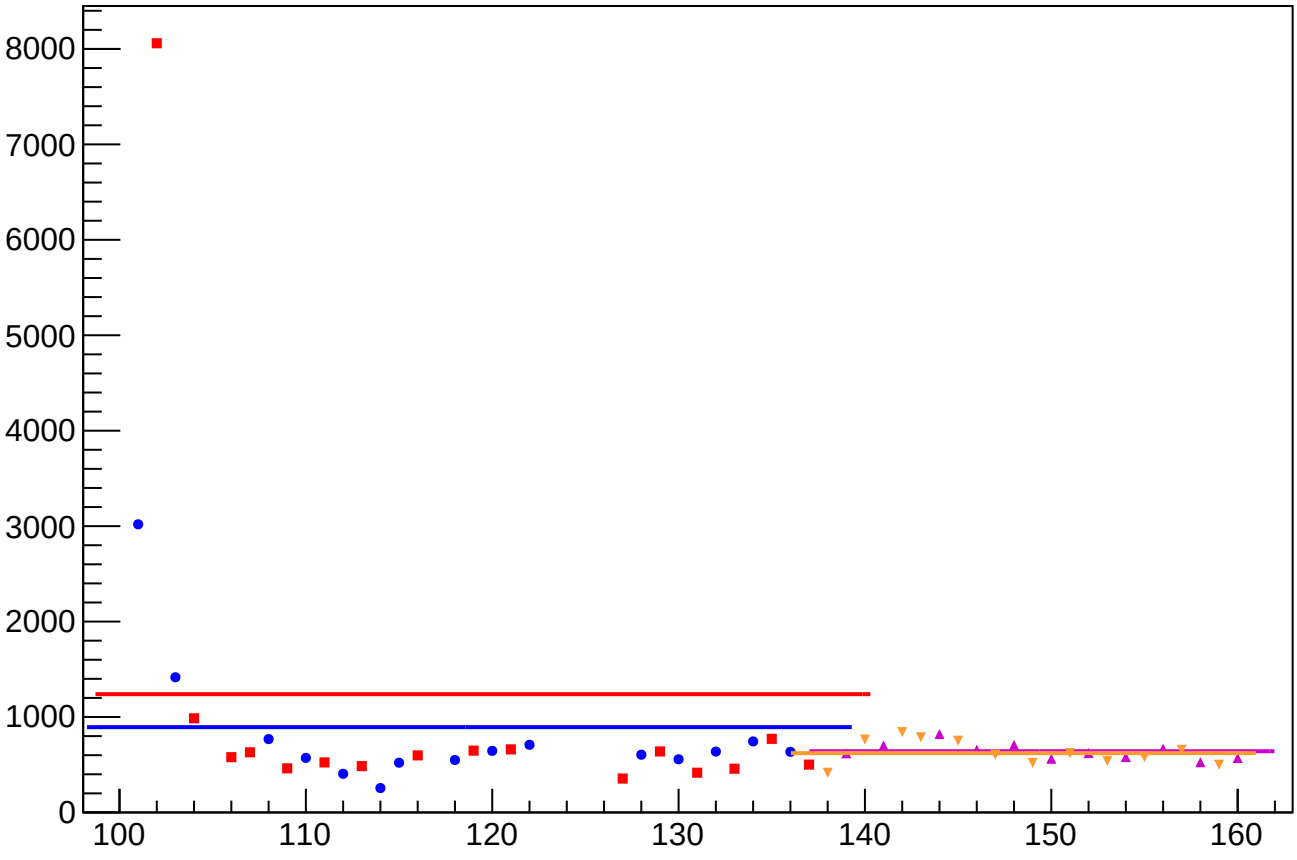
Left In: 1192.687+/-0.000 $\chi^2$/NDF:19255287383728205662654022867381911552.0/10

# dit_atr1_coil7_mean vs Slug



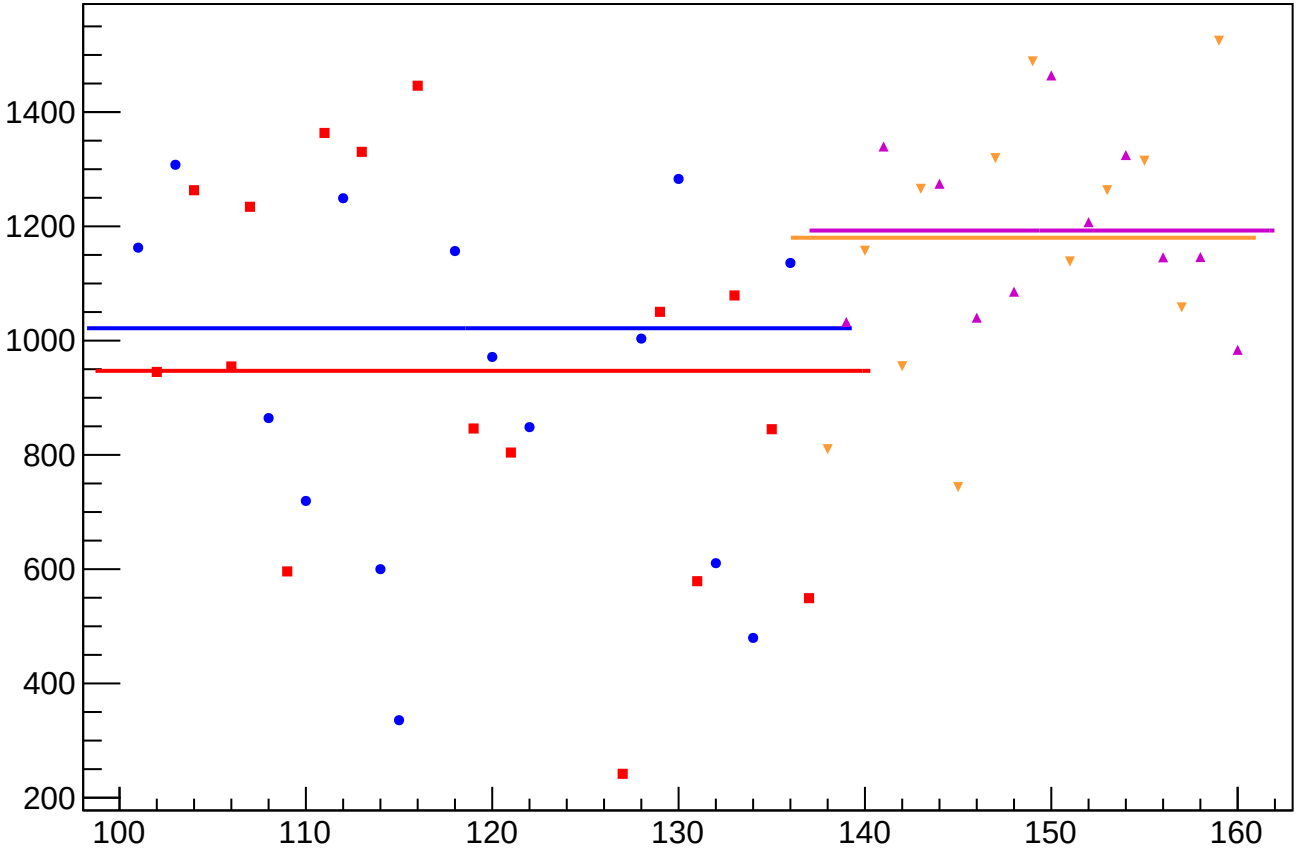

Right In: 3390.550+/-0.000 $\chi^2$/NDF: 658719274415532567241791945562801737564 16.0/14
+ sign 6636.719+/-0.000 $\chi^2$/NDF: 10032445769830
Left Out: 8941.712+/-0.000 $\chi^2$/NDF:227575427235299768629241896288372643594 24.0/11
All: 6458.520+/-0.000 $\chi^2$/NDF: 2736278227 8
Right Out: 3167.396+/-0.000 $\chi^2$/NDF: 137753886677241144460462531881687568089088.0/15
- sign 6283.457+/-0.000 $\chi^2$/NDF: 17320497250641
Left In: 8532.821+/-0.000 $\chi^2$/NDF:242995159493802245863247375580952264704 00.0/10

# dit_atr1_coil7_err_mean vs Slug




Right In: 893.683+/-0.000 $\chi^2$/NDF: 3345836190786310089324042282273593098 24.0/14
+ sign 734.457+/-0.000 $\chi^2$/NDF: 375941972925027
Left Out: 621.395+/-0.000 $\chi^2$/NDF:13220761349033595391183034930255888384.0/11
All: 813.984+/-0.000 $\chi^2$/NDF: 351101342045
Right Out: 1239.298+/-0.000 $\chi^2$/NDF: 297099085948648399040810891893756500377 6.0/15
- sign 892.111+/-0.000 $\chi^2$/NDF: 311547484911191
Left In: 641.490+/-0.000 $\chi^2$/NDF:604724187104646632094315292671554355 2.0/10

# dit_atr1_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734 7968.0/11

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

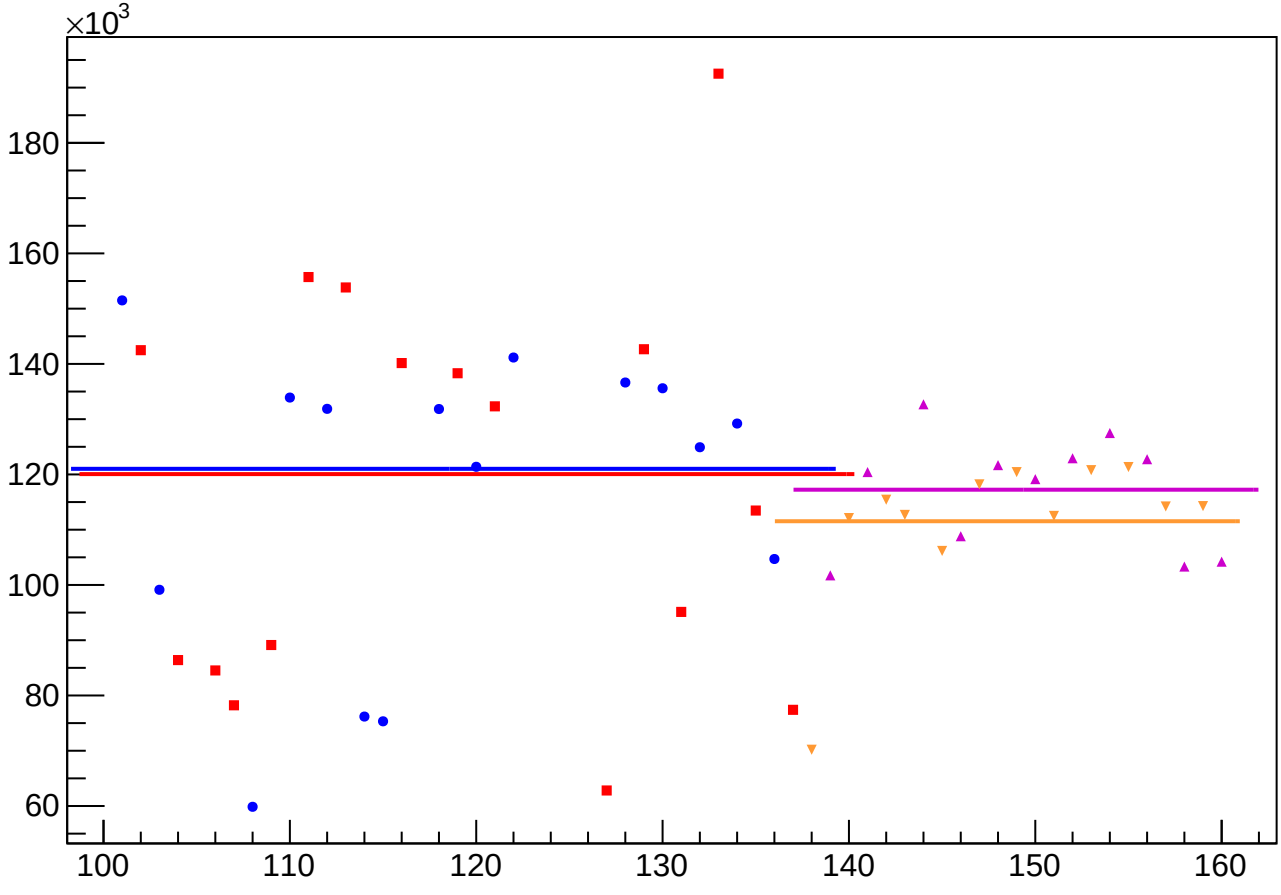
Left In: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

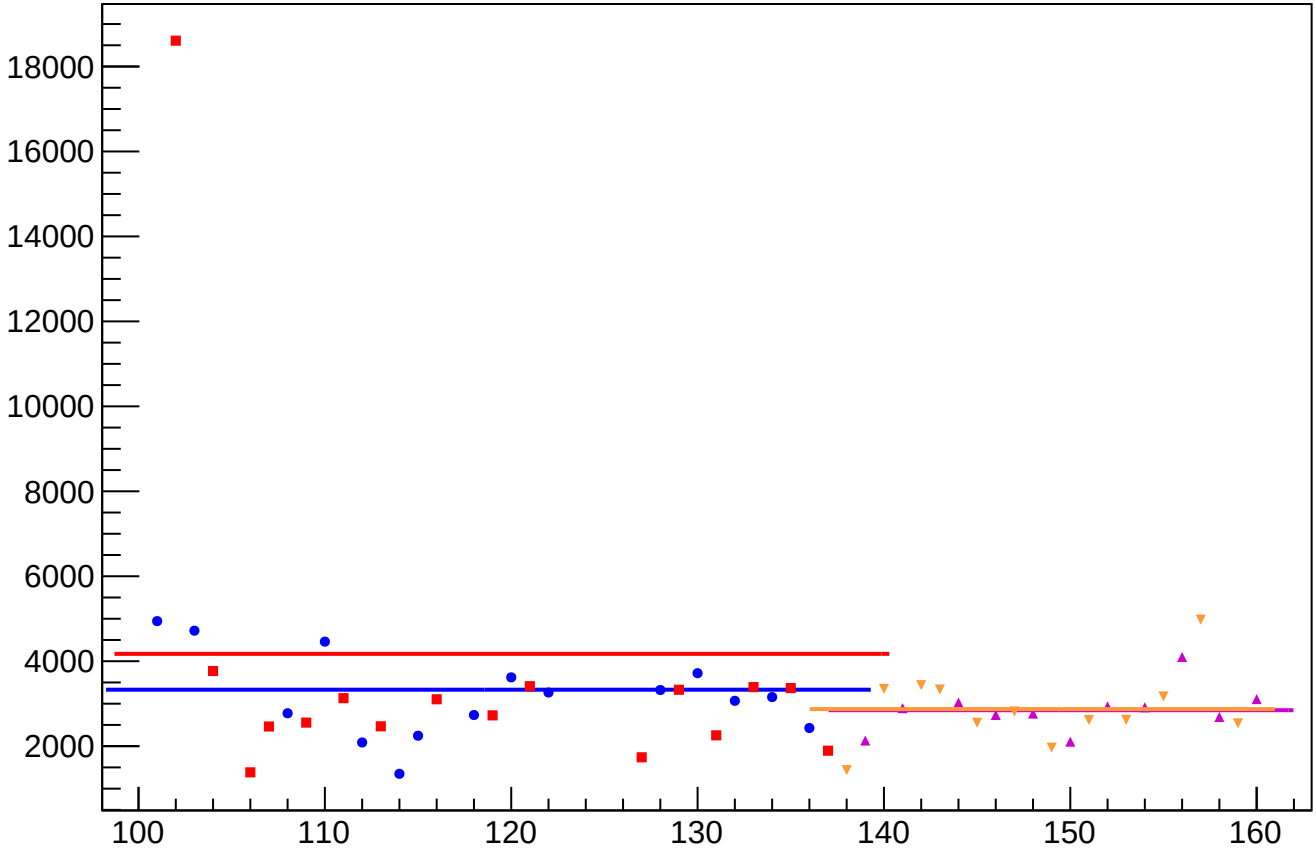
- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

# dit_atr2_coil7_mean vs Slug




Right In: 121016.482+/-0.000 $\chi^2$/NDF: 3587138564043035549877849759836096681738 24.0/14
+ sign 115470.027+/-0.000 $\chi^2$/NDF: 555580110243
Left Out: 111531.681+/-0.000 $\chi^2$/NDF:1627242998299219503708342464173729130741 76.0/11
All: 116958.641+/-0.000 $\chi^2$/NDF: 14862531 7
Right Out: 120060.693+/-0.000 $\chi^2$/NDF: 828419782346707601448620310014135952736256.0/15
- sign 118421.056+/-0.000 $\chi^2$/NDF: 923806900564
Left In: 117237.465+/-0.000 $\chi^2$/NDF:922995277061580630965444342066787920117 76.0/10

# dit_atr2_coil7_err_mean vs Slug




Right In: 3329.488+/-0.000 $\chi^2$/NDF: 567034774398456376227526824513721335808.0/14

+ sign 3062.293+/-0.000 $\chi^2$/NDF: 13091528183331

Left Out: 2872.567+/-0.000 $\chi^2$/NDF:662883582778902790585902196636778496000.0/11

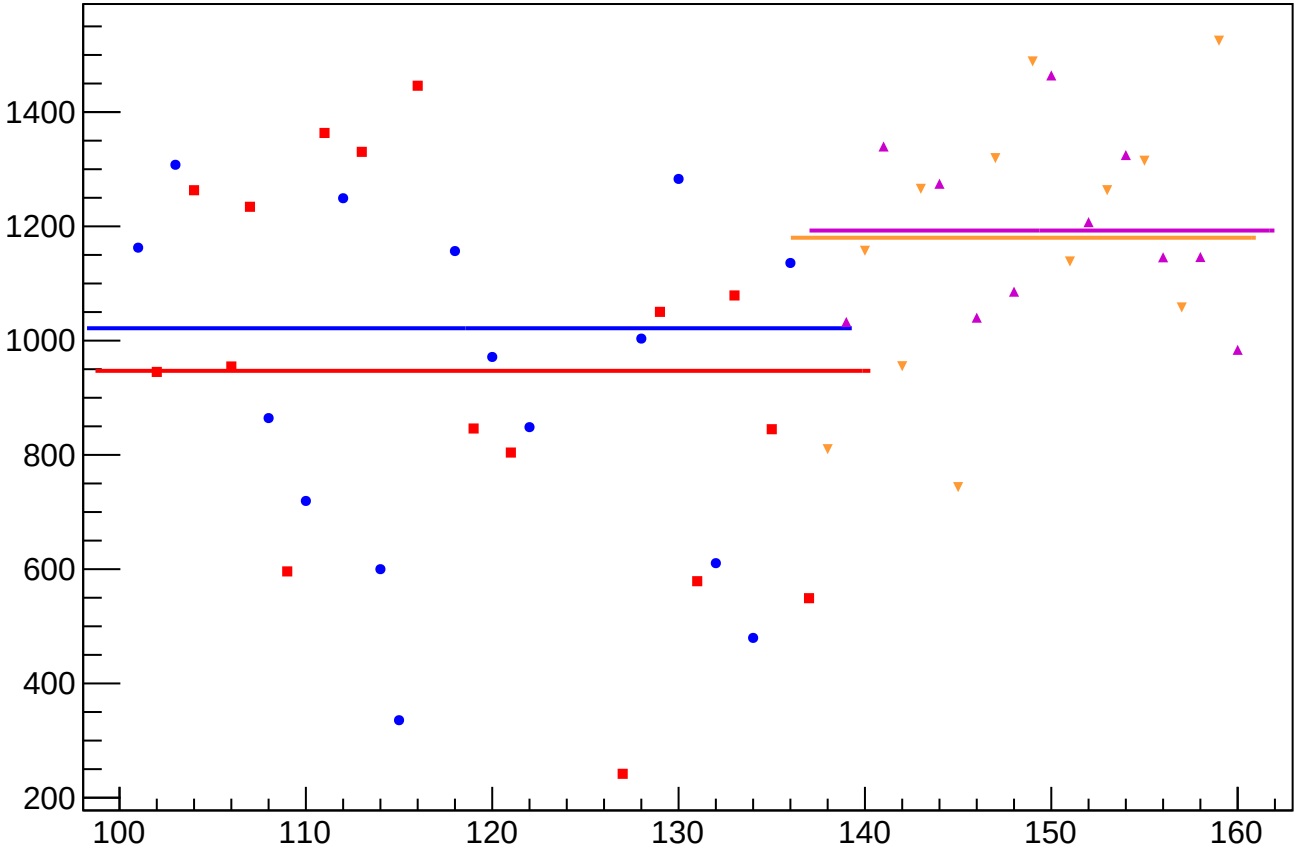
All: 3234.072+/-0.000 $\chi^2$/NDF: 1581039287

Right Out: 4173.434+/-0.000 $\chi^2$/NDF: 1349824655153799240009500315468246810624 0.0/15

- sign 3402.829+/-0.000 $\chi^2$/NDF: 14409809055061

Left In: 2846.559+/-0.000 $\chi^2$/NDF:2295571097366821236038857641346161704 96.0/10

# dit_atr2_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734 7968.0/11

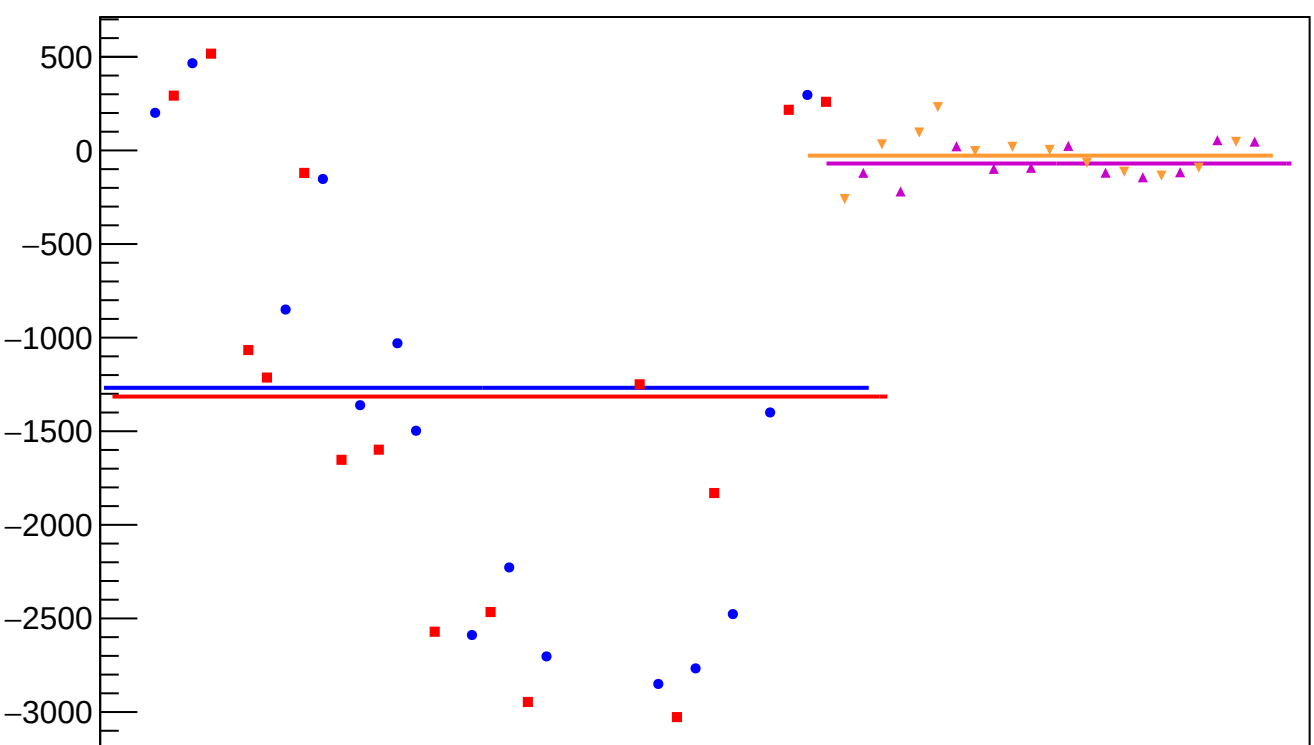
All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

Left In: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

# dit_sam1_coil7_mean vs Slug




Right In: -1268.061+/-0.000 $\chi^2$/NDF: 109228076028883385607047049080064704512 0.0/14

+ sign -542.758+/-0.000 $\chi^2$/NDF: 16885256839991

Left Out: -27.745+/-0.000 $\chi^2$/NDF:124018662937763897824067331938771271 68.0/11

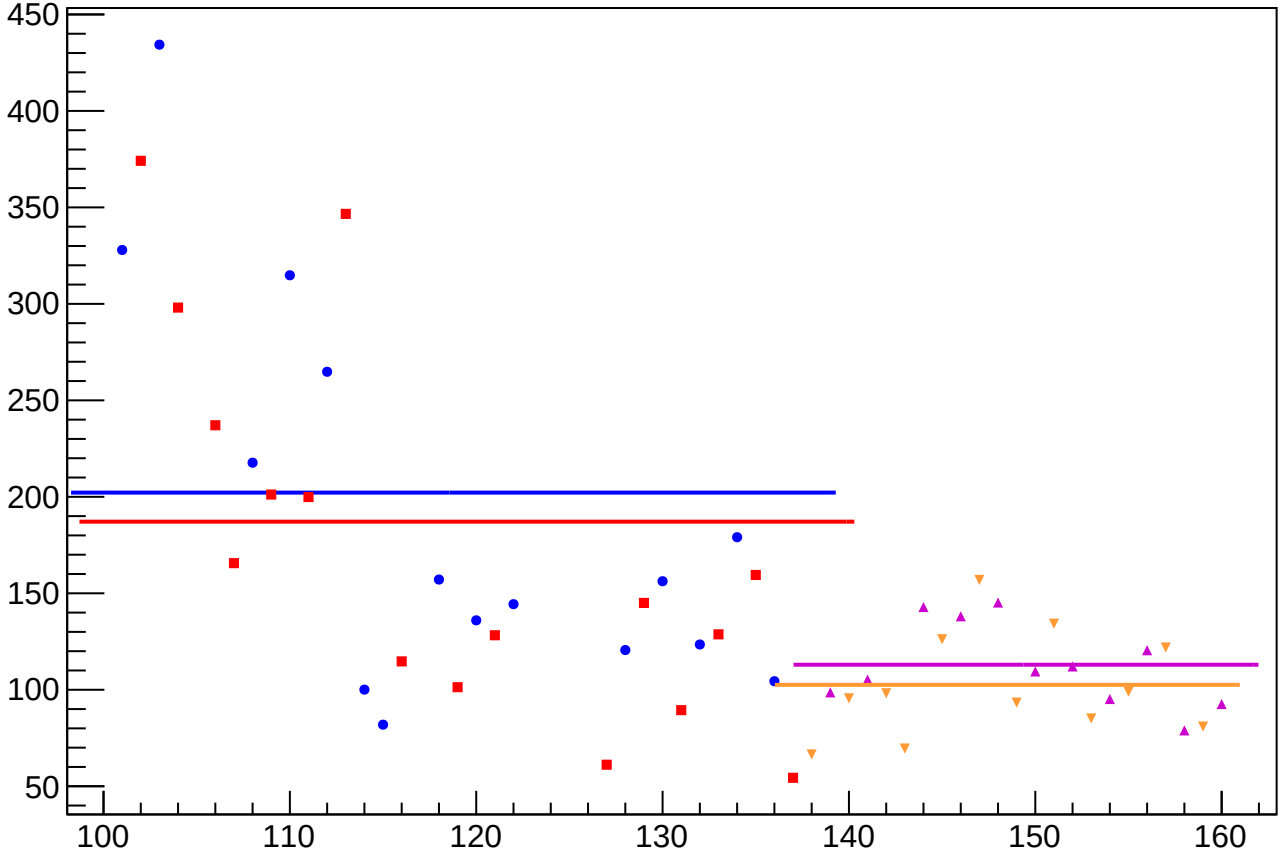
All: -567.488+/-0.000 $\chi^2$/NDF: 33961086853

Right Out: -1314.767+/-0.000 $\chi^2$/NDF: 109847131386407901371460937965326093516 8.0/15

- sign -591.782+/-0.000 $\chi^2$/NDF: 17056880683273 5

Left In: -69.887+/-0.000 $\chi^2$/NDF:689672905510609549267529077554465996 8.0/10

# dit_sam1_coil7_err_mean vs Slug




Right In: 202.191+/-0.000 $\chi^2$/NDF: 702794105275284906636904065061512806 4.0/14

Left Out: 102.547+/-0.000 $\chi^2$/NDF:631914374783938330949359707000668160.0/11

Right Out: 187.126+/-0.000 $\chi^2$/NDF: 623002949160552474693651580994138931 2.0/15

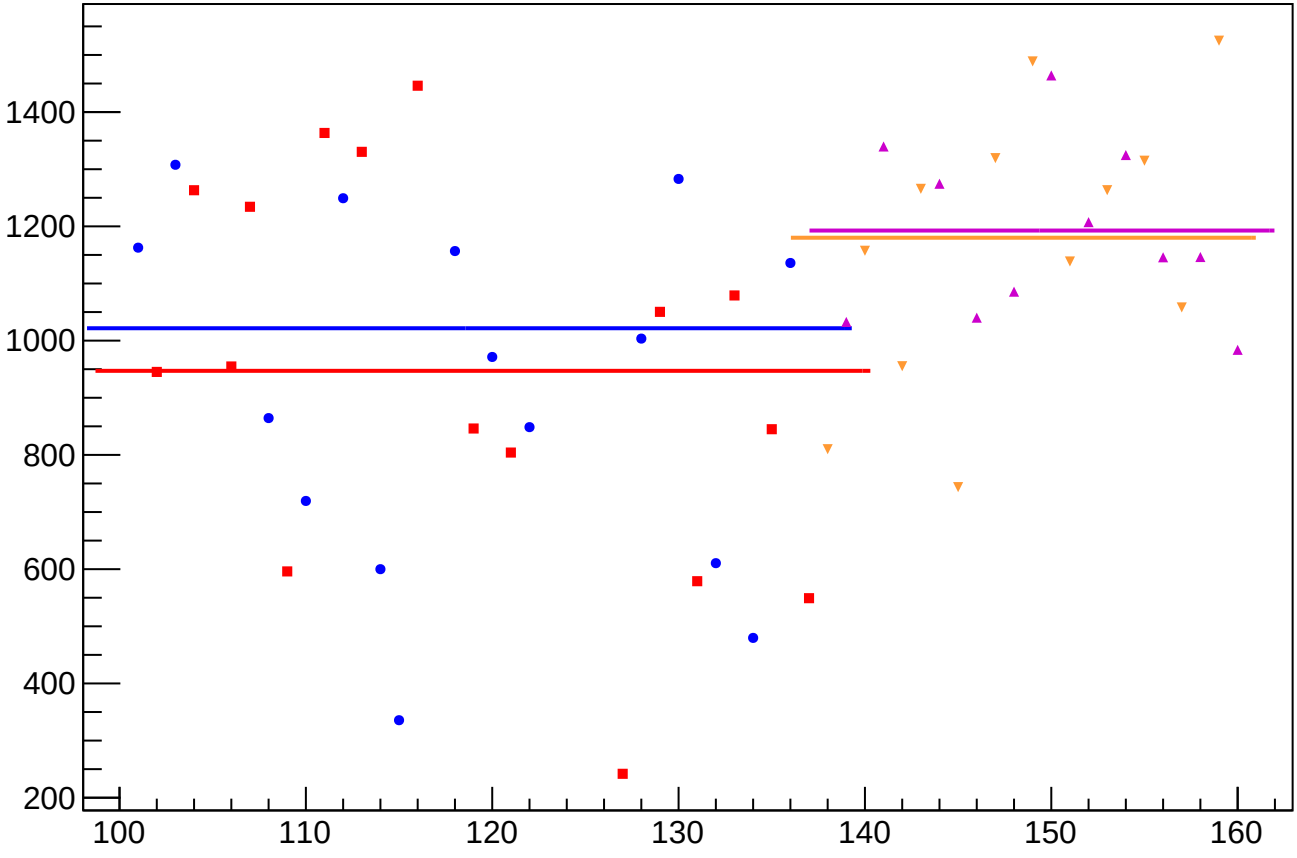
Left In: 112.981+/-0.000 $\chi^2$/NDF:399082569166702797505998561799569408.0/10

+ sign 143.922+/-0.000 $\chi^2$/NDF: 114280634979740

All: 143.994+/-0.000 $\chi^2$/NDF: 20186723766

- sign 144.065+/-0.000 $\chi^2$/NDF: 875864401174807

# dit_sam1_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 40493101470870278397836276403592495104.0/14

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

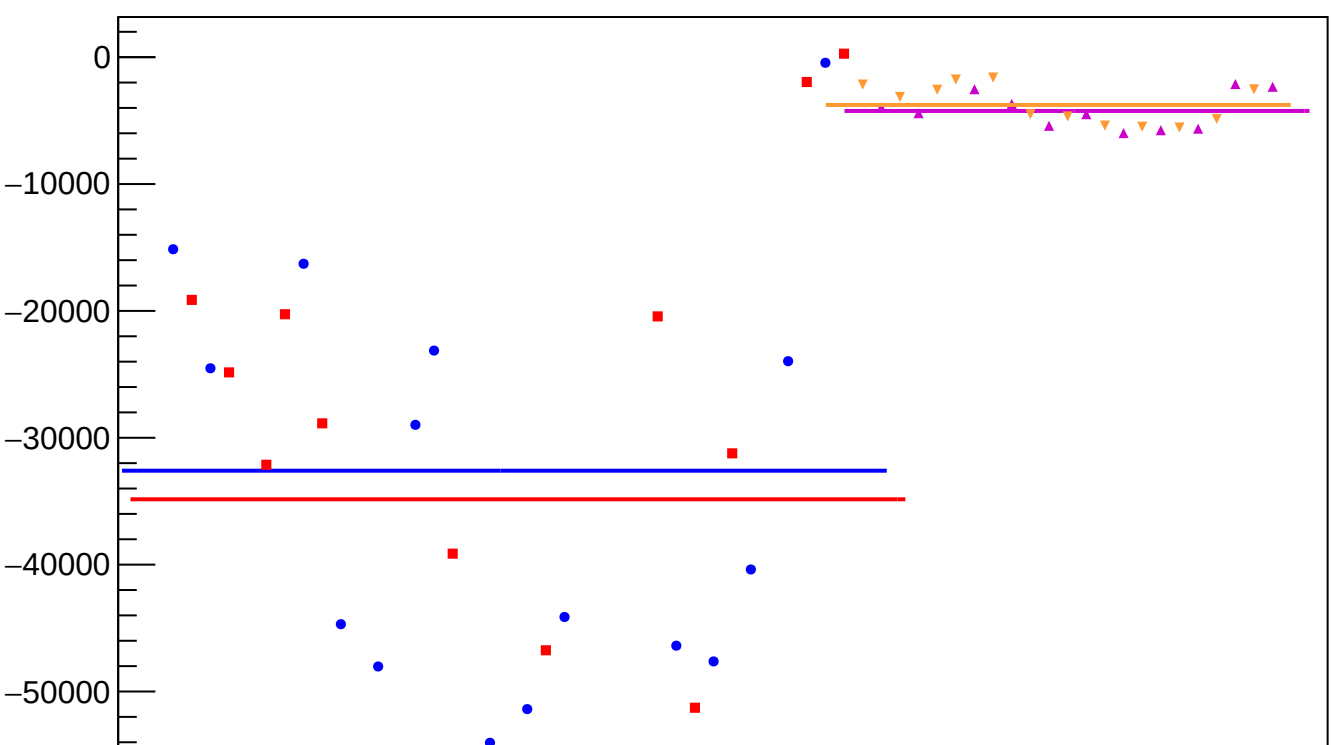
All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181964 80.0/15

- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

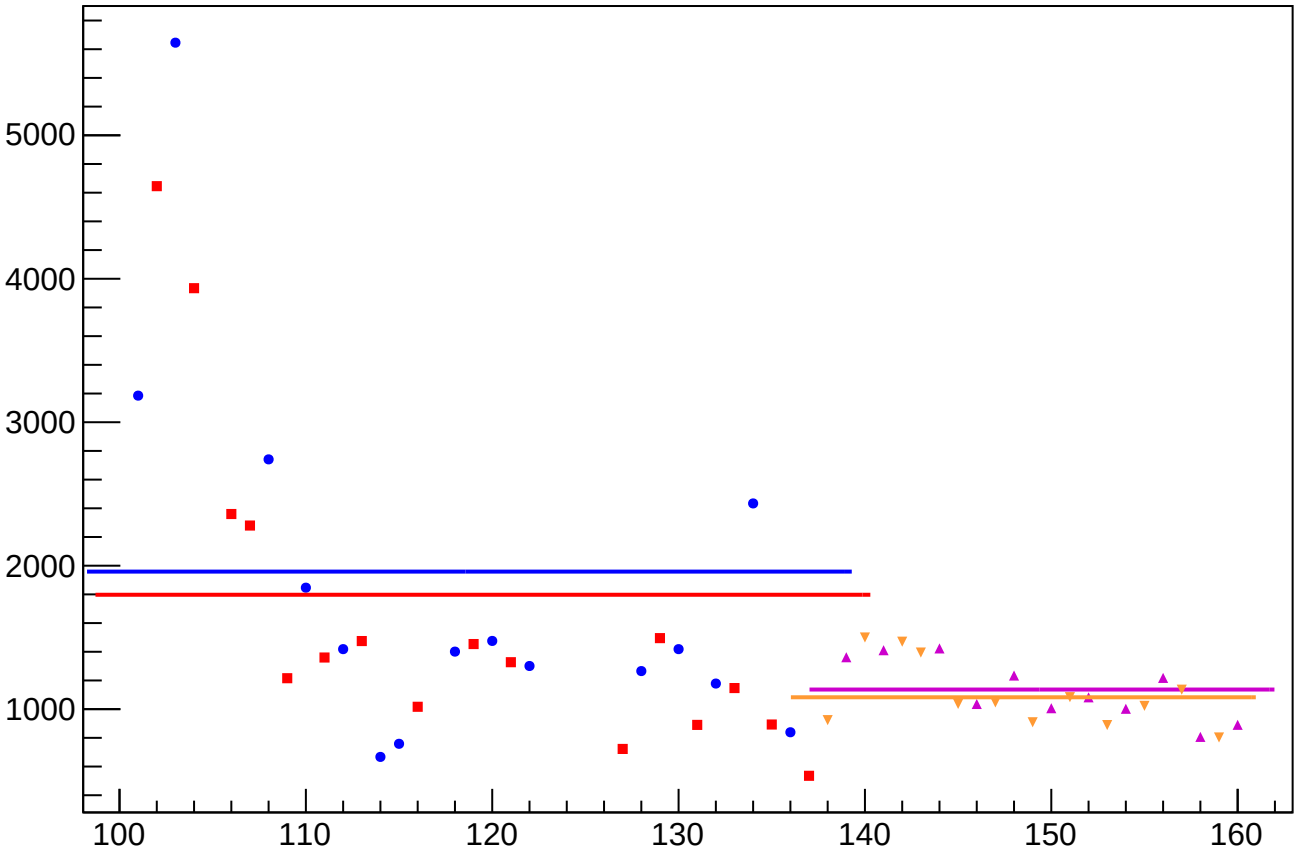
Left In: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

# dit_sam2_coil7_mean vs Slug




Right In: -32594.962+/-0.000 $\chi^2$/NDF: 2091503692070005644897245290209225201418 24.0/14
+ sign -15735.844+/-0.000 $\chi^2$/NDF: 526567009410
Left Out: -3764.764+/-0.000 $\chi^2$/NDF:196909765148126713372068659345037354598 4.0/11
All: -16409.443+/-0.000 $\chi^2$/NDF: 111371622
Right Out: -34848.046+/-0.000 $\chi^2$/NDF: 221127702024811719232559434097324967591936.0/15
- sign -17071.187+/-0.000 $\chi^2$/NDF: 5857433226583
Left In: -4238.758+/-0.000 $\chi^2$/NDF:167625887746606747174628306712503359897 6.0/10

# dit_sam2_coil7_err_mean vs Slug




Right In: 1958.835+/-0.000 $\chi^2$/NDF: 1189322999631358431600643692981190131712.0/14

+ sign 1446.535+/-0.000 $\chi^2$/NDF: 15230348570712

Left Out: 1082.769+/-0.000 $\chi^2$/NDF:4243546759293801850495557007505883136 0.0/11

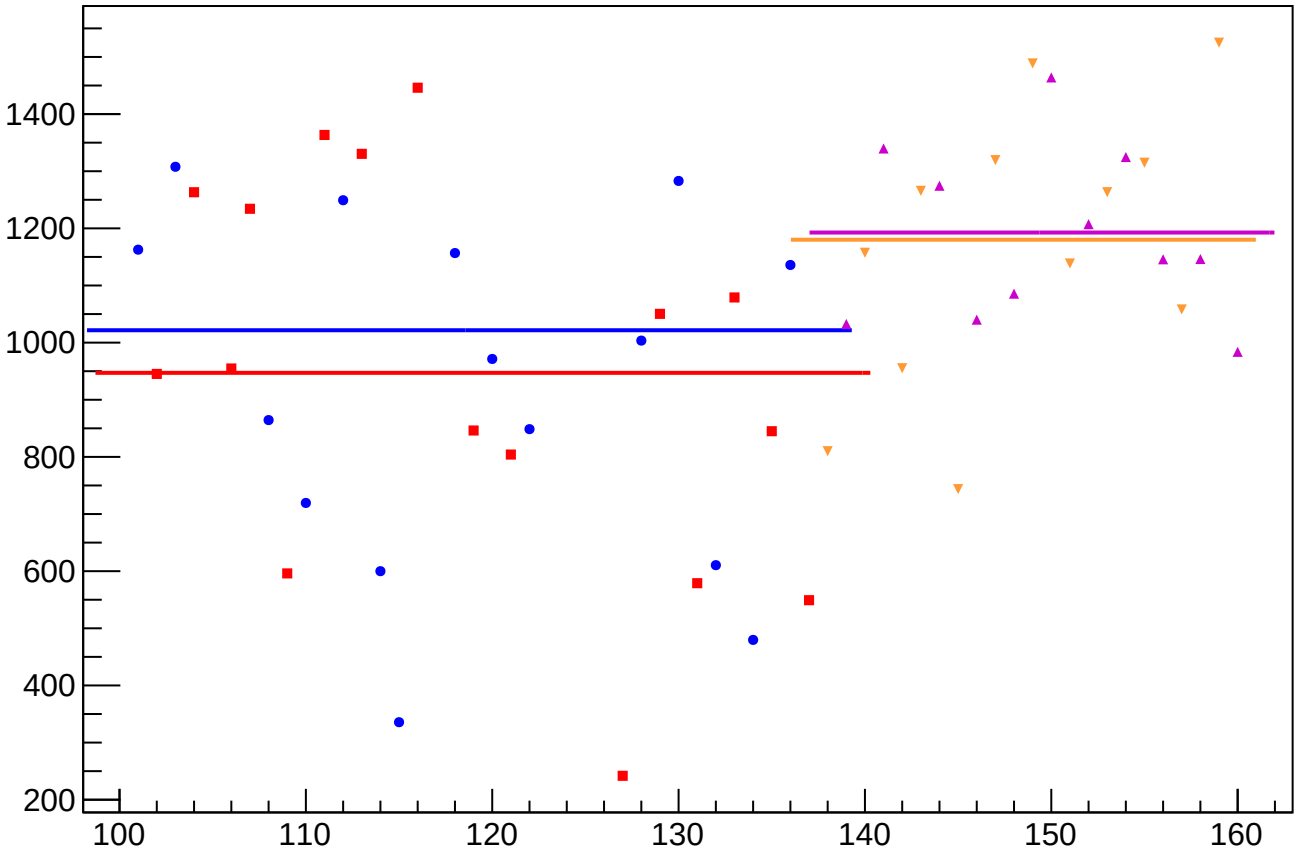
All: 1429.975+/-0.000 $\chi^2$/NDF: 2684715334 1

Right Out: 1797.392+/-0.000 $\chi^2$/NDF: 9550966238799581956571950746142402150 40.0/15

- sign 1413.706+/-0.000 $\chi^2$/NDF: 11608307427850

Left In: 1136.738+/-0.000 $\chi^2$/NDF:3666064038816023377049229979717468160 0.0/10

# dit_sam2_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734 7968.0/11

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

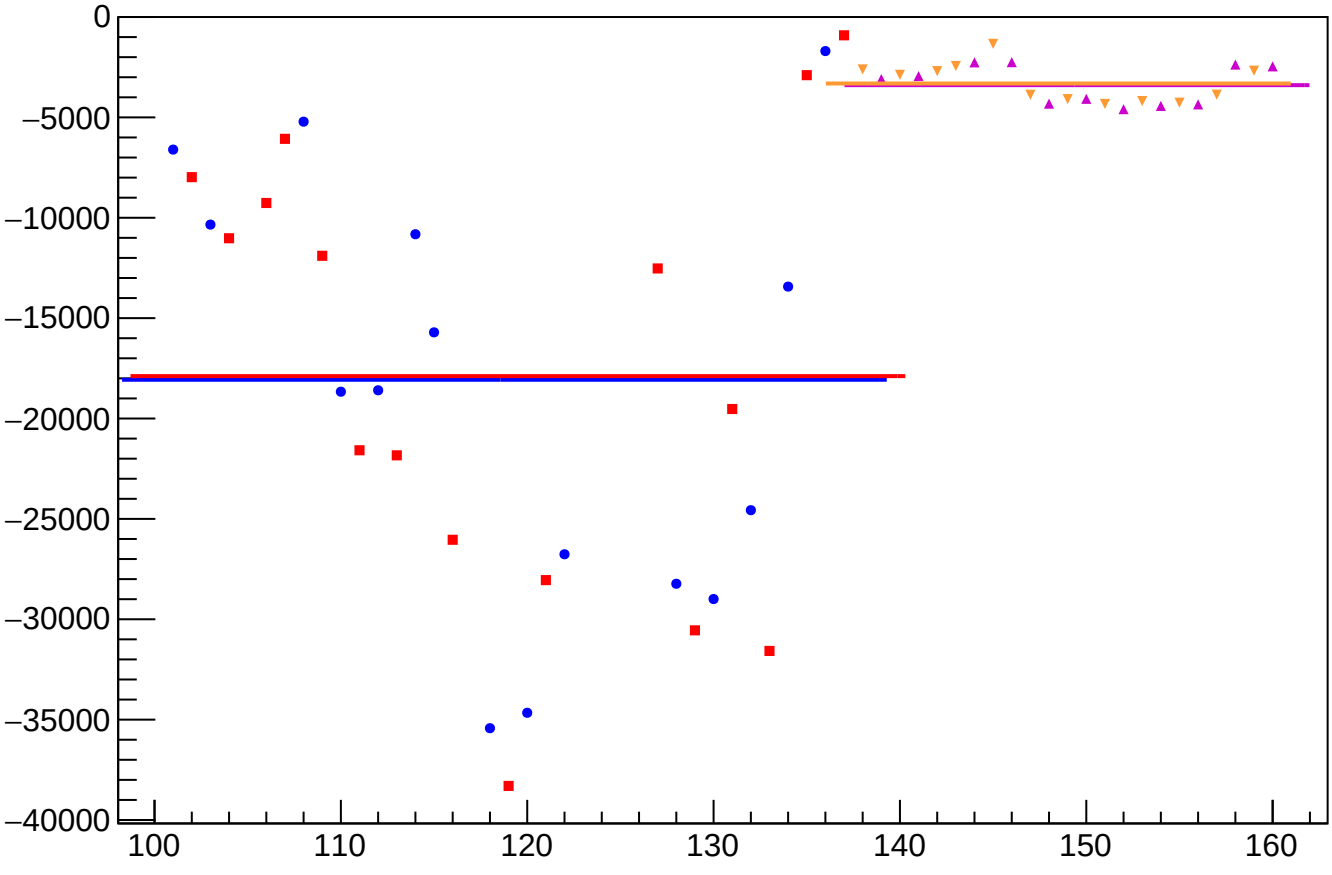
Left In: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

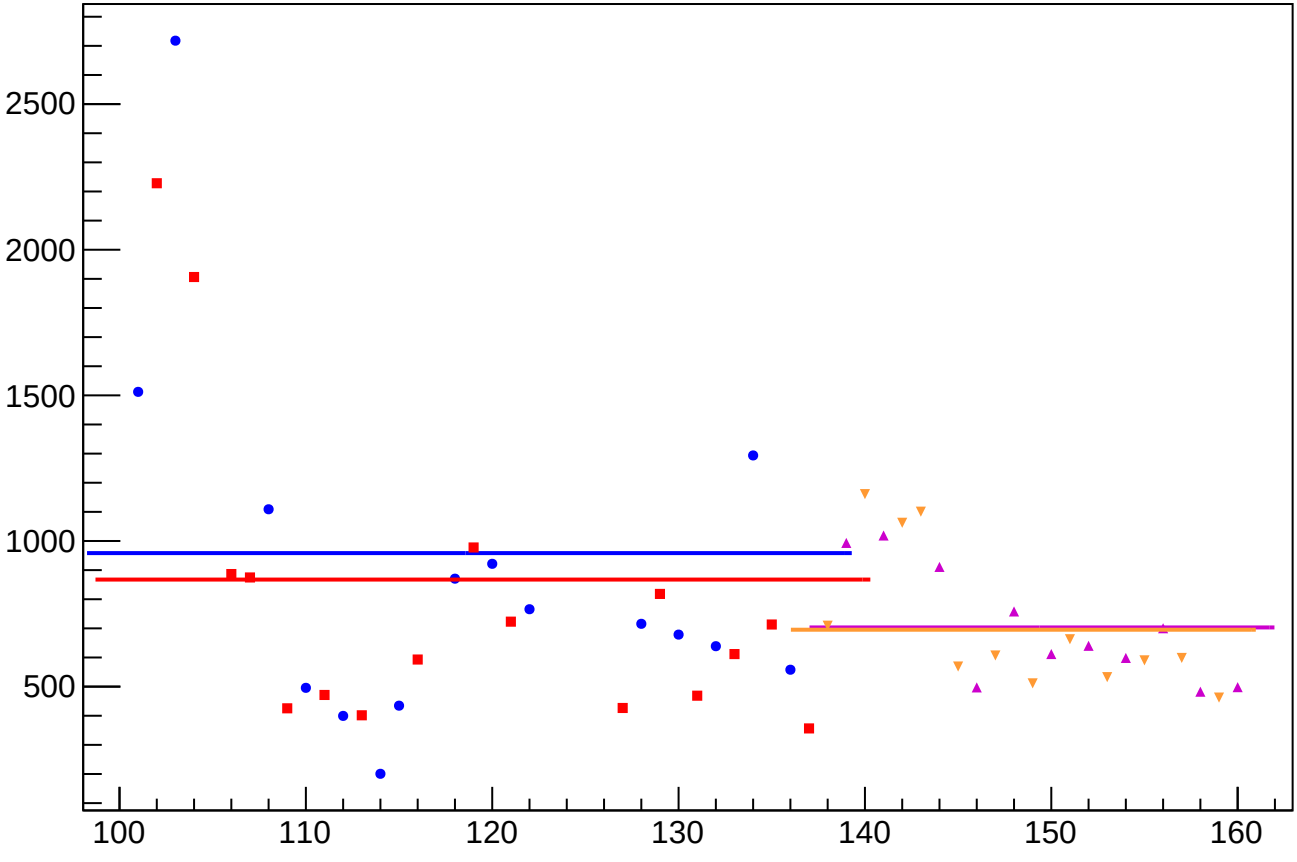
- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

# dit_sam3_coil7_mean vs Slug




Right In: -18068.550+/-0.000 $\chi^2$/NDF: 8431215644353355341776093349775376016998 4.0/14
+ sign -9439.320+/-0.000 $\chi^2$/NDF: 1677312300640
Left Out: -3312.000+/-0.000 $\chi^2$/NDF:7769336751539700934144979327469863567 36.0/11
All: -9455.112+/-0.000 $\chi^2$/NDF: 3283182119
Right Out: -17888.149+/-0.000 $\chi^2$/NDF: 7840591561291425286987523106879539301 5808.0/15
- sign -9470.625+/-0.000 $\chi^2$/NDF: 1605862092635 7
Left In: -3394.339+/-0.000 $\chi^2$/NDF:8049690958240573917042936693908937113 60.0/10

# dit_sam3_coil7_err_mean vs Slug




Right In: 958.411+/-0.000 $\chi^2$/NDF: 2647331050585228222781371970707395706 88.0/14

+ sign 804.584+/-0.000 $\chi^2$/NDF: 338998928620433

Left Out: 695.356+/-0.000 $\chi^2$/NDF:4800413975037954100361026980618331 7504.0/11

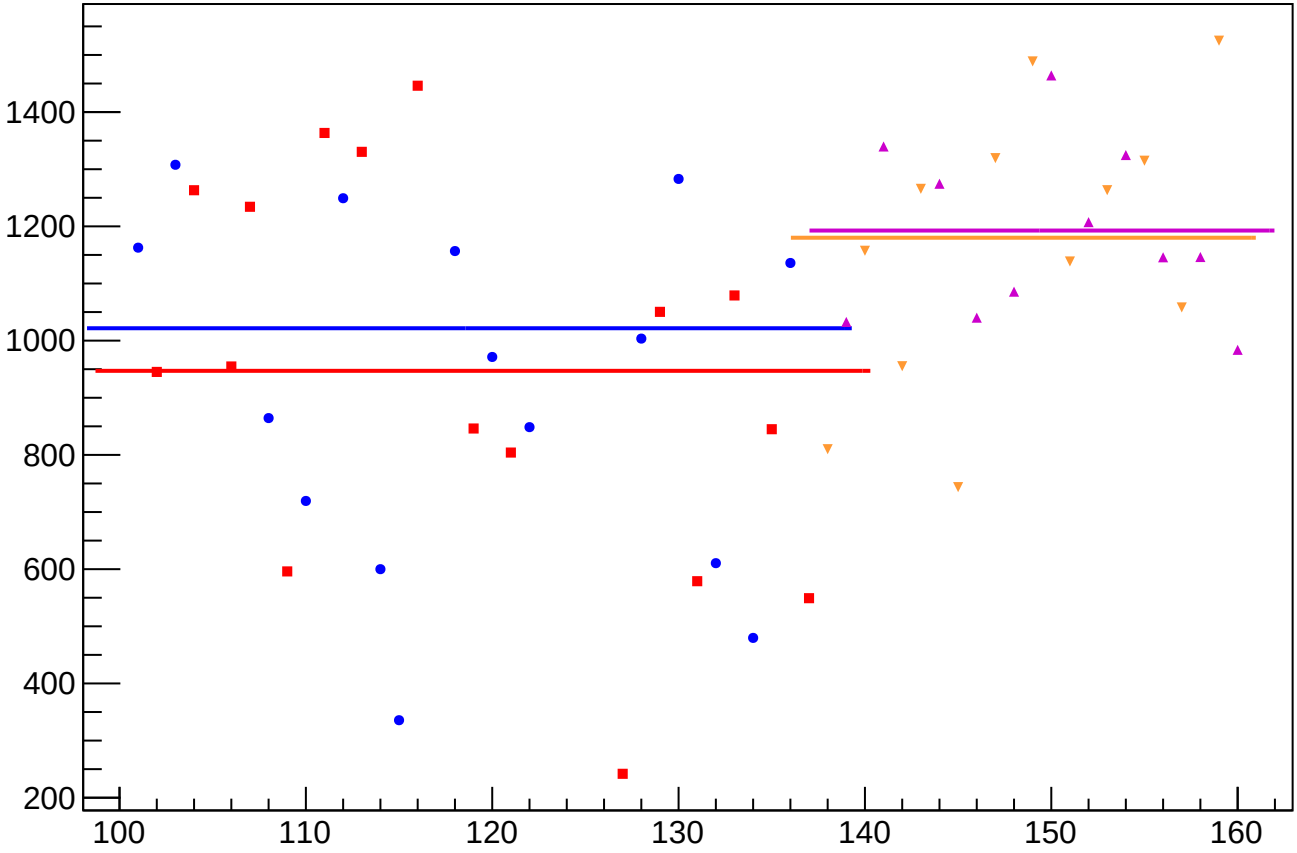
All: 788.186+/-0.000 $\chi^2$/NDF: 5984680249 63

Right Out: 867.538+/-0.000 $\chi^2$/NDF: 2161298515451667141222523176044881 51040.0/15

- sign 772.078+/-0.000 $\chi^2$/NDF: 258636009193620

Left In: 703.169+/-0.000 $\chi^2$/NDF:3204053186145142696993994476773336 6784.0/10

# dit_sam3_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734 7968.0/11

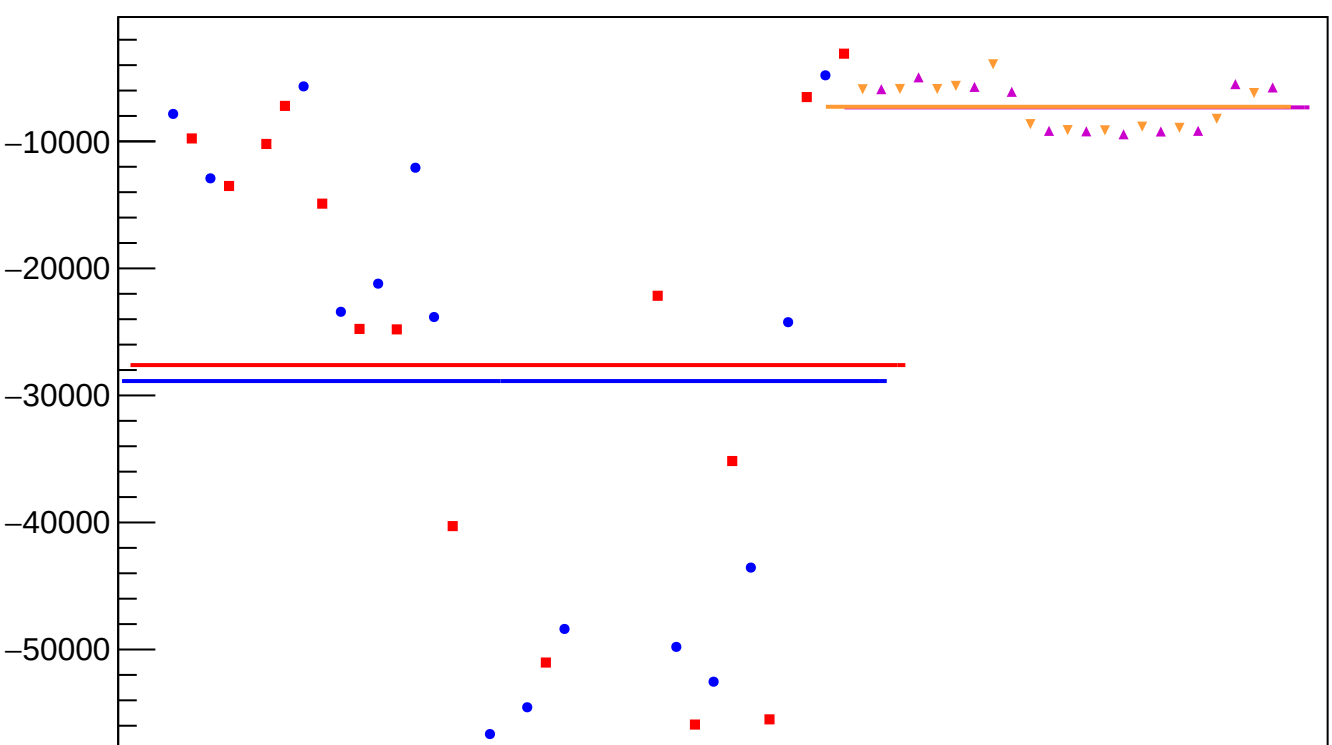
All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

Left In: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

# dit_sam4_coil7_mean vs Slug




Right In: -28868.624+/-0.000 $\chi^2$/NDF: 261450701095727362961367657926584124309504.0/14

+ sign -16242.946+/-0.000 $\chi^2$/NDF: 441105467605

Left Out: -7277.886+/-0.000 $\chi^2$/NDF:2738867305918098068317388239234104557568.0/11

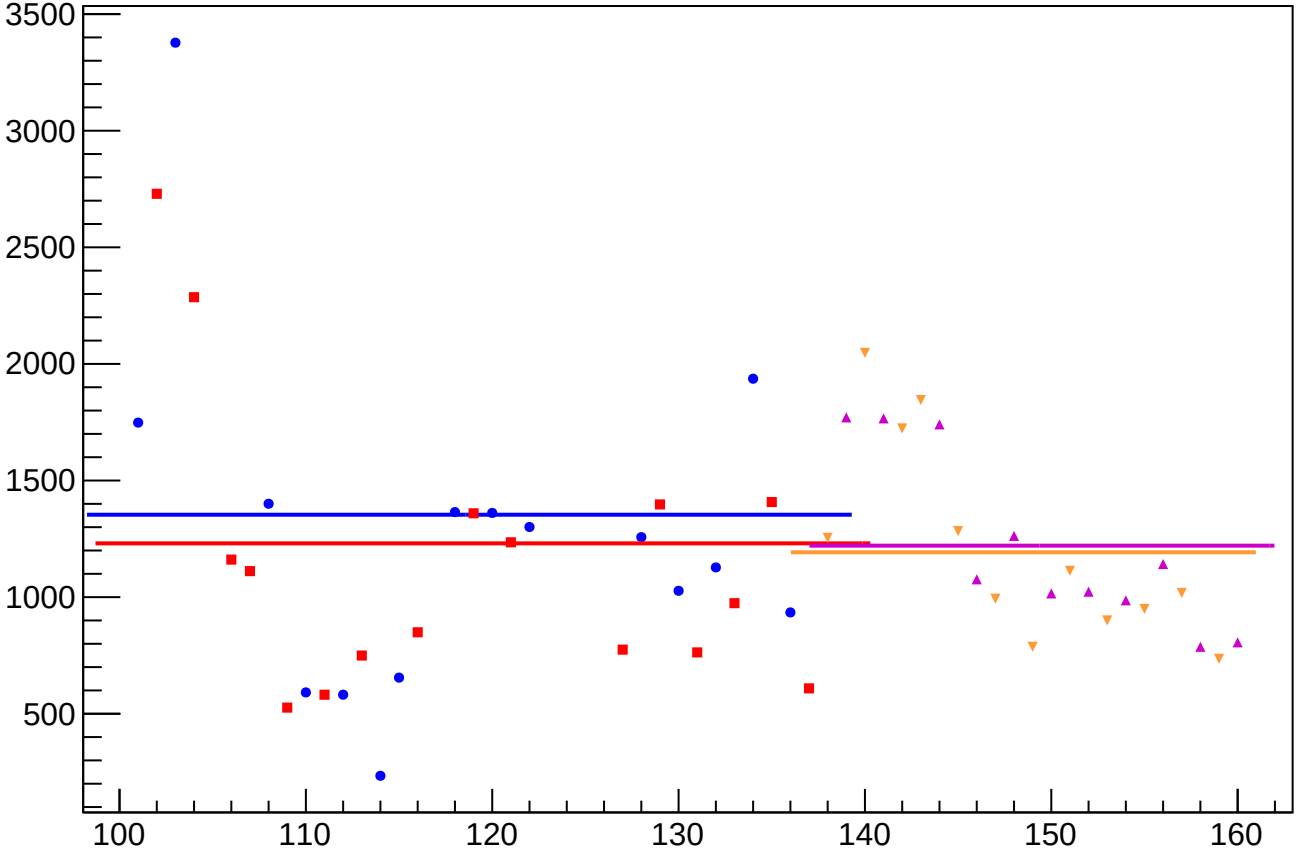
All: -16034.416+/-0.000 $\chi^2$/NDF: 851792093

Right Out: -27610.848+/-0.000 $\chi^2$/NDF: 248097983477523504935751571384400118546432.0/15

- sign -15829.556+/-0.000 $\chi^2$/NDF: 410551888967

Left In: -7325.095+/-0.000 $\chi^2$/NDF:304599116795237711242251693759971668 7872.0/10

# dit_sam4_coil7_err_mean vs Slug




Right In: 1353.413+/-0.000 $\chi^2$/NDF: 3528879667027707133738618398805537587 20.0/14

+ sign 1259.184+/-0.000 $\chi^2$/NDF: 5136360923482 1

Left Out: 1192.275+/-0.000 $\chi^2$/NDF:1508937428719364207026273994262393651 20.0/11

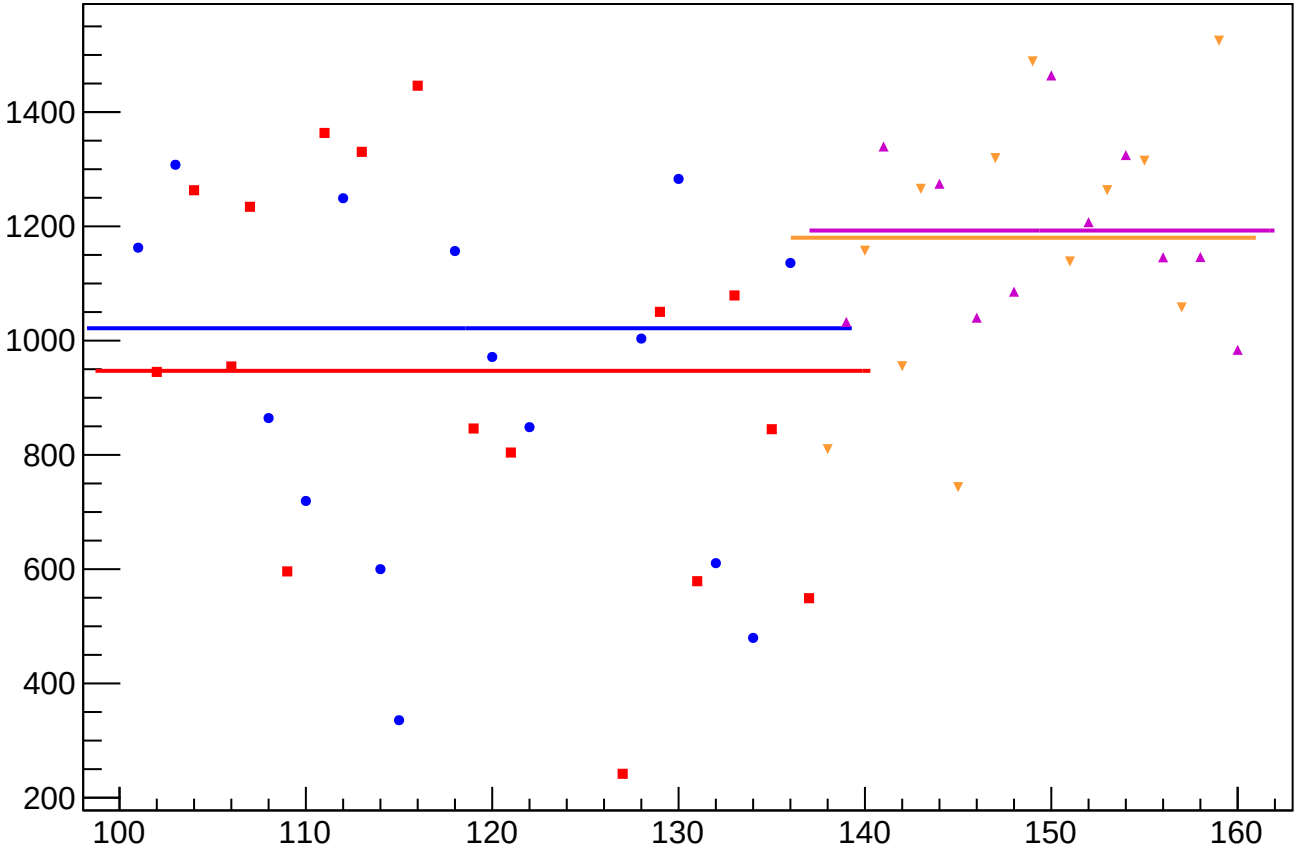
All: 1241.889+/-0.000 $\chi^2$/NDF: 9078869434 7

Right Out: 1230.633+/-0.000 $\chi^2$/NDF: 2769894541291500056568727445399037542 40.0/15

- sign 1224.899+/-0.000 $\chi^2$/NDF: 39332410450392

Left In: 1220.761+/-0.000 $\chi^2$/NDF:1162968972504867199653419908309408808 96.0/10

# dit_sam4_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 40493101470870278397836276403592495104.0/14

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734796 8.0/11

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

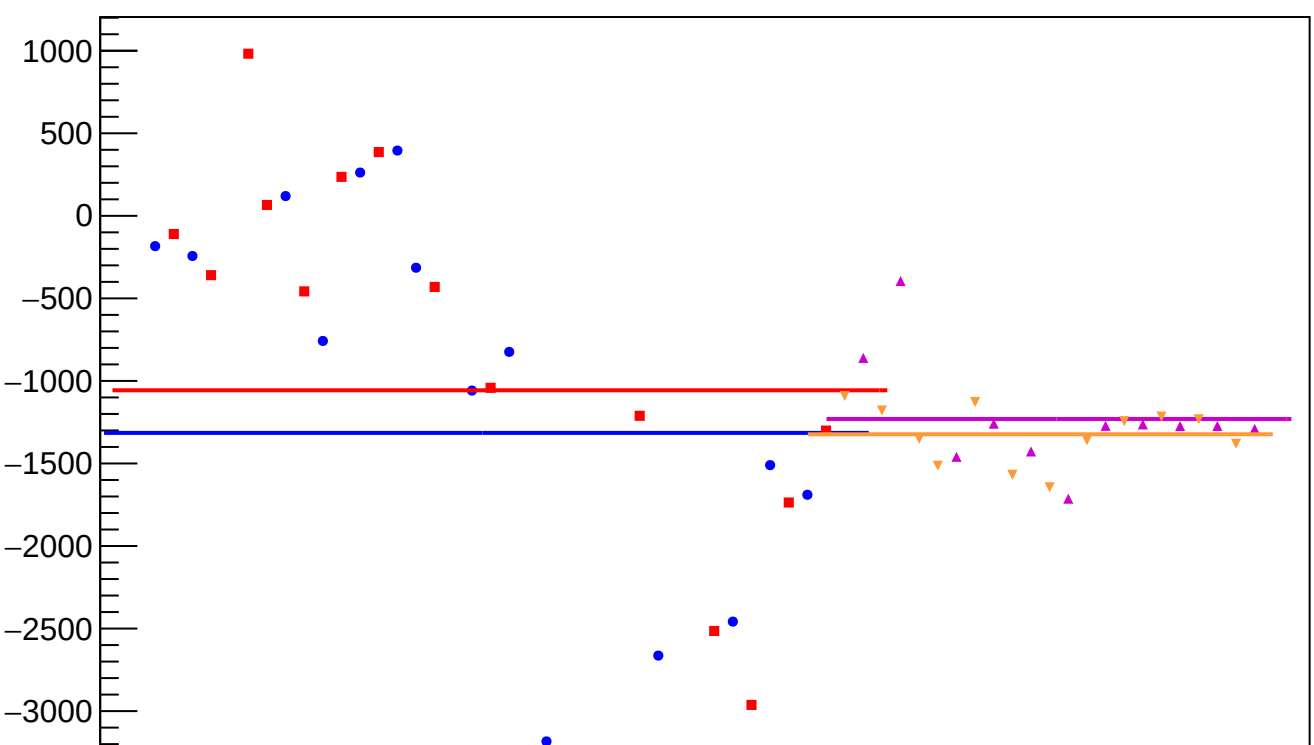
Left In: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

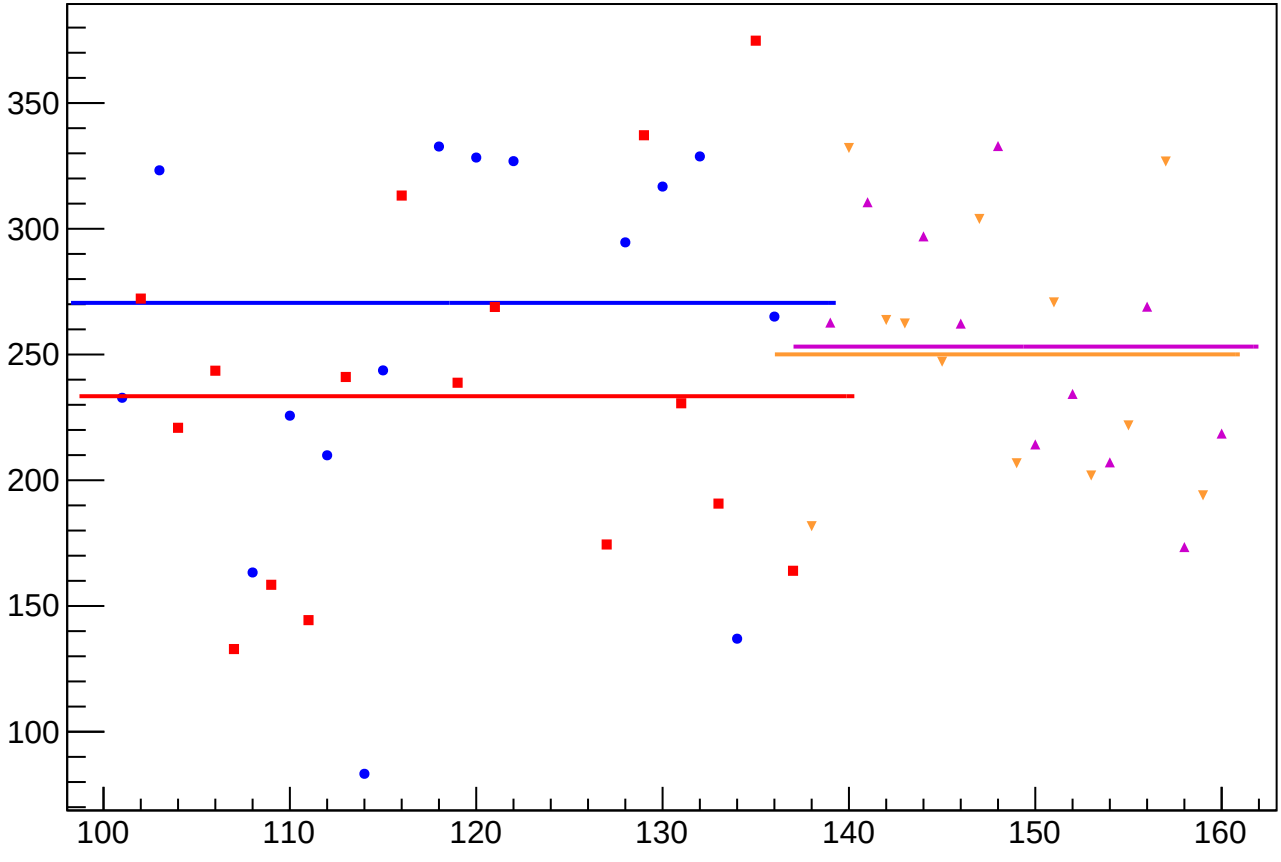
- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

# dit_sam5_coil7_mean vs Slug




Right In: -1314.782+/-0.000 $\chi^2$/NDF: 966082368518203481544021644405645508608.0/14
+ sign -1319.671+/-0.000 $\chi^2$/NDF: 9932894812646
Left Out: -1323.142+/-0.000 $\chi^2$/NDF:2718058478929391169480361330340999987 2.0/11
All: -1237.928+/-0.000 $\chi^2$/NDF: 2253249413
Right Out: -1056.765+/-0.000 $\chi^2$/NDF: 112714159418741702194983247735328604 1600.0/15
- sign -1157.624+/-0.000 $\chi^2$/NDF: 1239256161678
Left In: -1230.430+/-0.000 $\chi^2$/NDF:1004316910688500560864091324605205 05344.0/10

# dit_sam5_coil7_err_mean vs Slug




Right In: 270.538+/-0.000 $\chi^2$/NDF: 2473839905347950323907848405170257920.0/14

Left Out: 250.055+/-0.000 $\chi^2$/NDF:2329396041694824766683600755668025344.0/11

Right Out: 233.421+/-0.000 $\chi^2$/NDF: 3048529087317888615064010247743995904.0/15

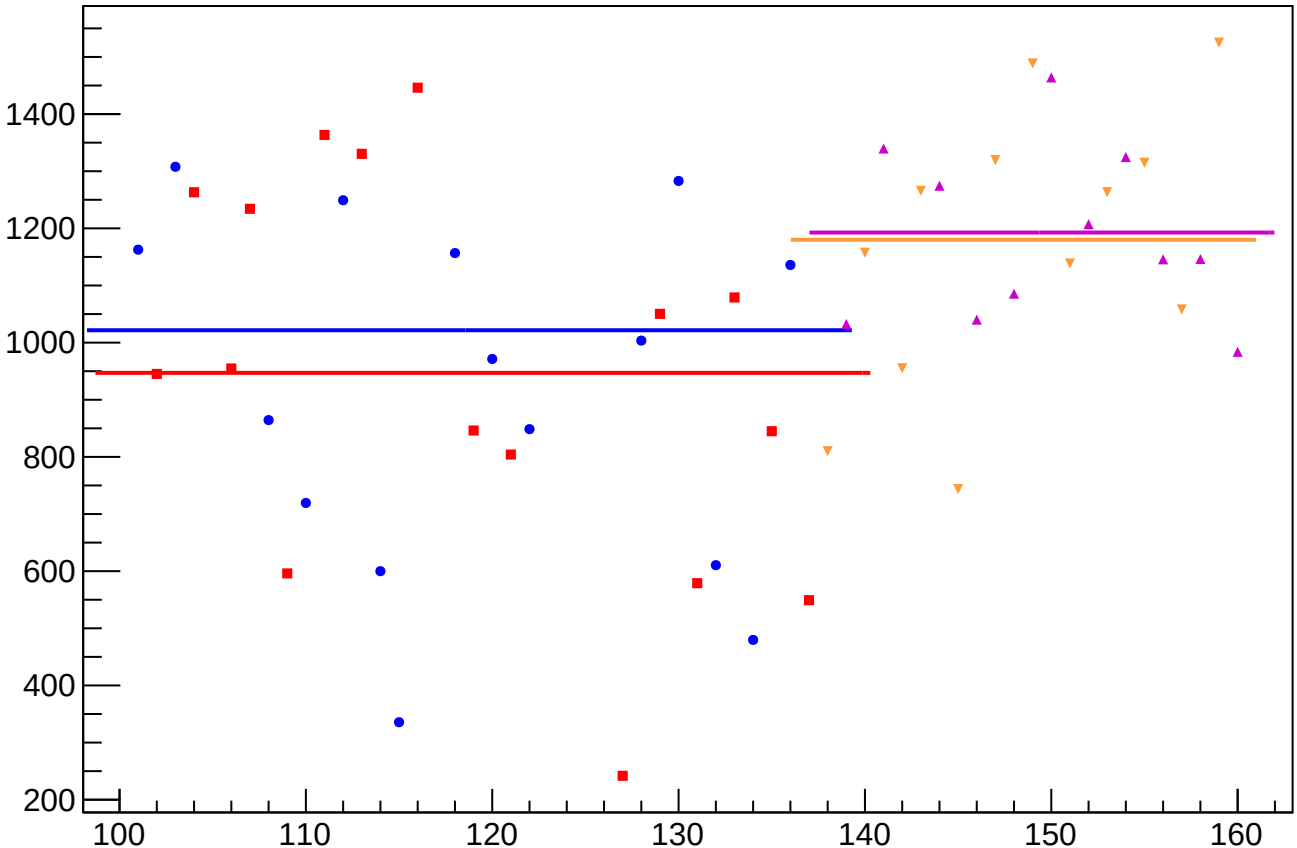
Left In: 253.145+/-0.000 $\chi^2$/NDF:1980196841930298045035907903943344128.0/10

+ sign 258.560+/-0.000 $\chi^2$/NDF: 496246110495273

All: 251.658+/-0.000 $\chi^2$/NDF: 10289533435

- sign 244.876+/-0.000 $\chi^2$/NDF: 517943608917736

# dit_sam5_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734 7968.0/11

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

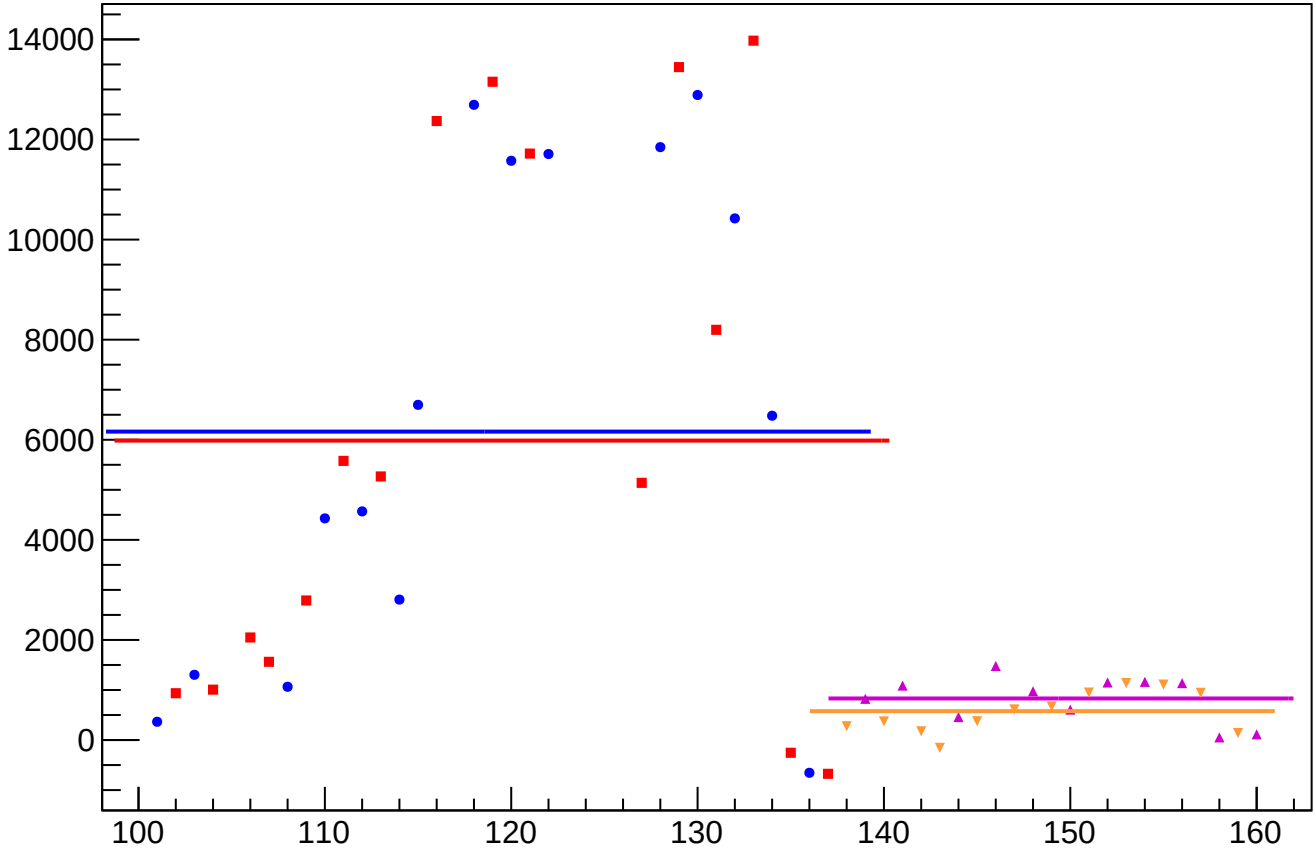
Left In: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

# dit_sam6_coil7_mean vs Slug




Right In: 6163.445+/-0.000 $\chi^2$/NDF: 1820062254902677050474630013900985414451 2.0/14

+ sign 2896.810+/-0.000 $\chi^2$/NDF: 30187505563734

Left Out: 577.285+/-0.000 $\chi^2$/NDF:1439649328177123537208848134971169177 60.0/11

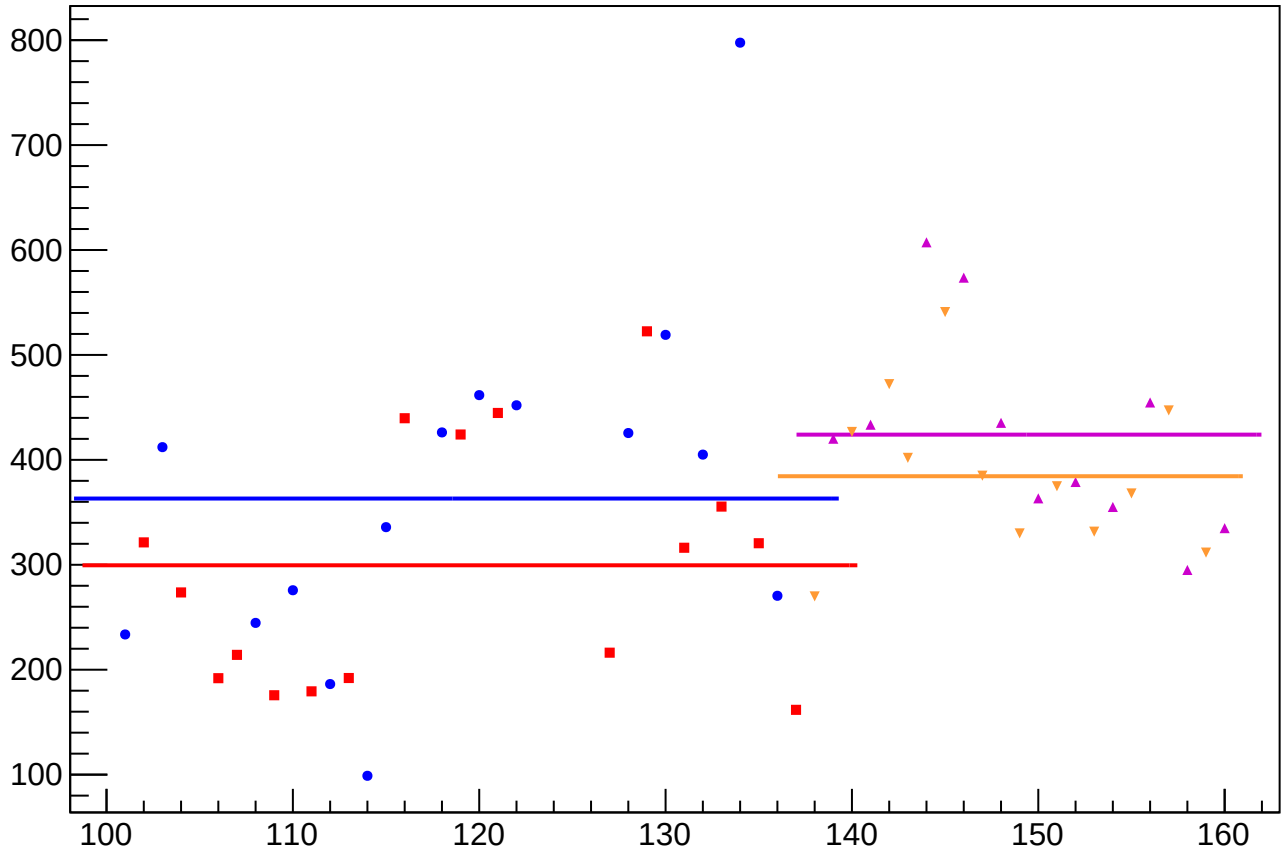
All: 2944.332+/-0.000 $\chi^2$/NDF: 5815922787 8

Right Out: 5983.876+/-0.000 $\chi^2$/NDF: 17505201913276273559161088764155841740800.0/15

- sign 2991.017+/-0.000 $\chi^2$/NDF: 27964724924864

Left In: 830.587+/-0.000 $\chi^2$/NDF:1723370924037262731973560206151280230 40.0/10

# dit_sam6_coil7_err_mean vs Slug




Right In: 363.133+/-0.000 $\chi^2$/NDF: 115027916970764564264359982779953315 84.0/14

Left Out: 384.397+/-0.000 $\chi^2$/NDF:4703352228141784942428920611126378496.0/11

Right Out: 299.514+/-0.000 $\chi^2$/NDF: 76854973187442252183546528289846722 56.0/15

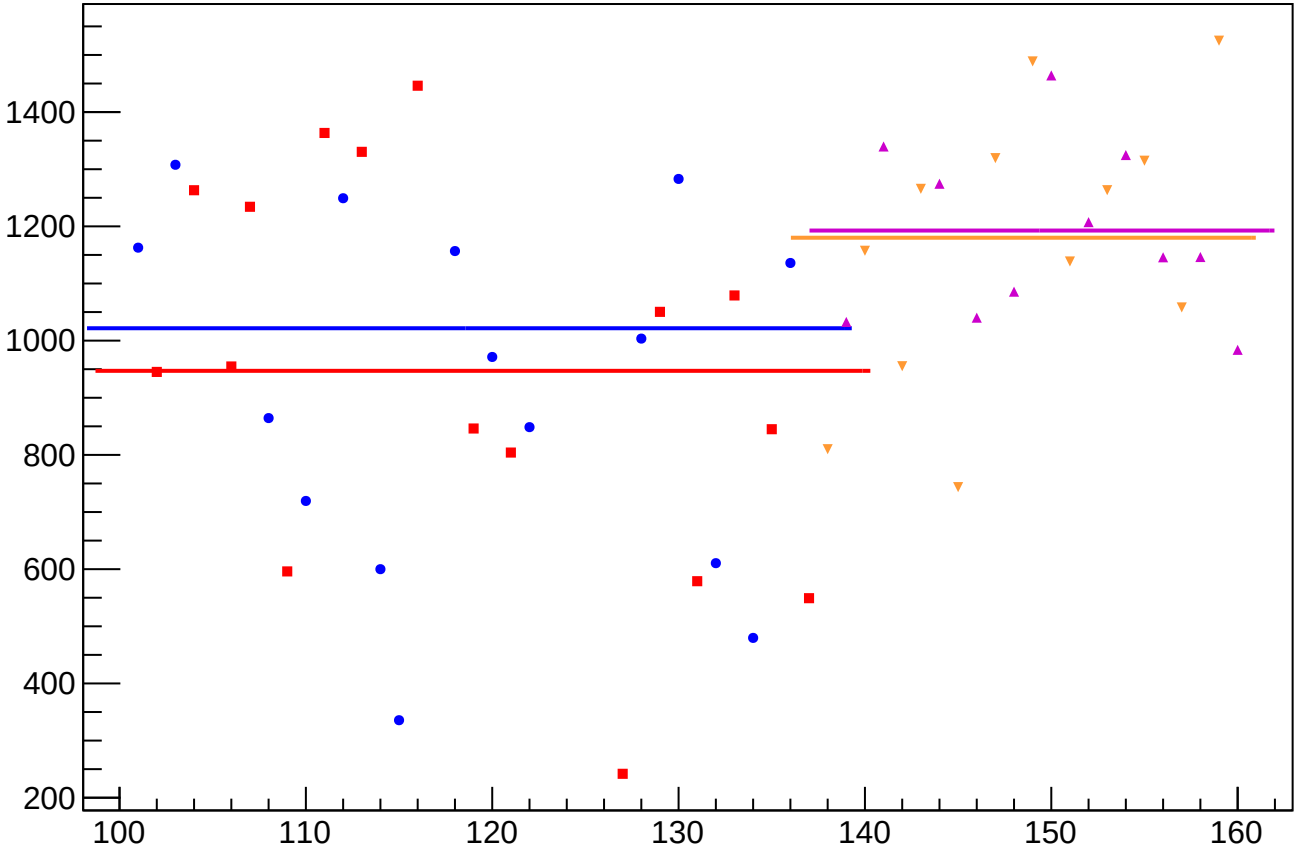
Left In: 424.034+/-0.000 $\chi^2$/NDF:781289423171808610624109486888137523 2.0/10

+ sign 375.568+/-0.000 $\chi^2$/NDF: 16377739422265 1

All: 373.683+/-0.000 $\chi^2$/NDF: 3789335787 34

- sign 371.831+/-0.000 $\chi^2$/NDF: 215046104489711

# dit_sam6_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734 7968.0/11

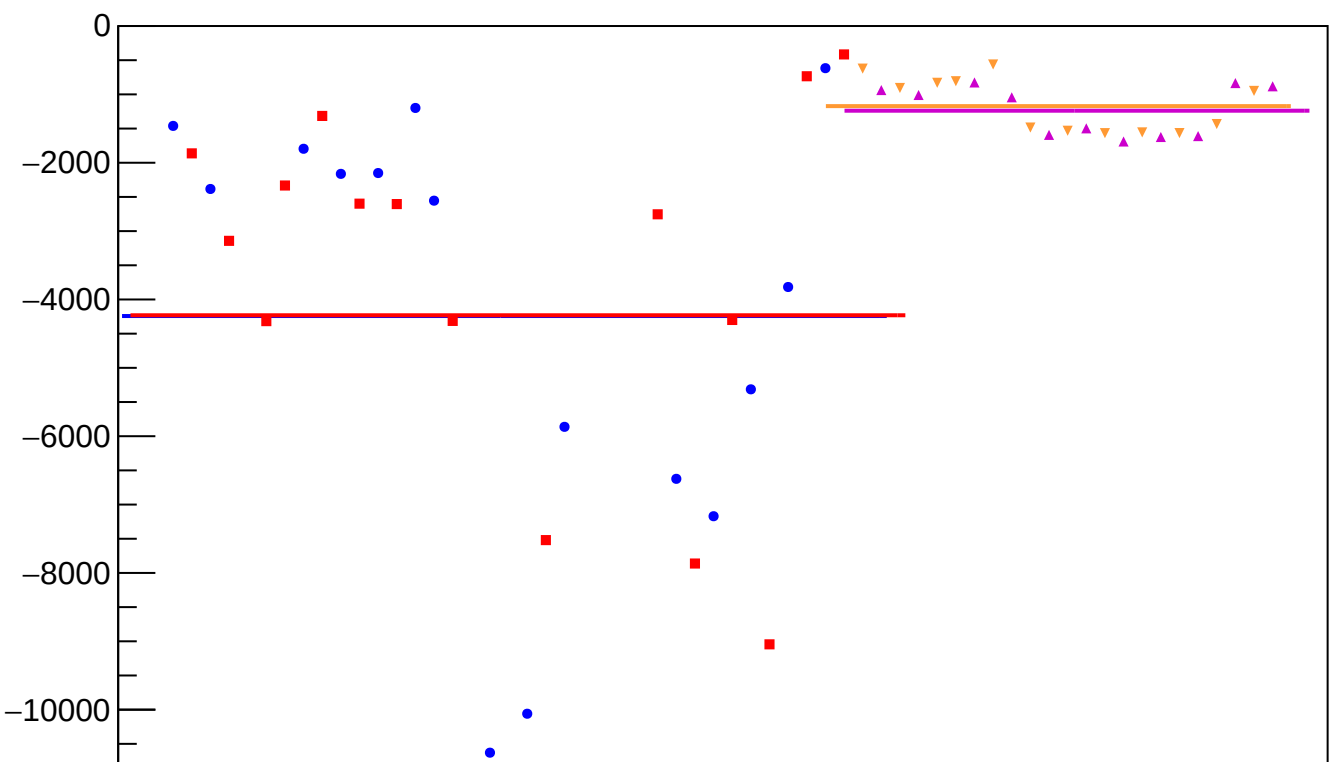
All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

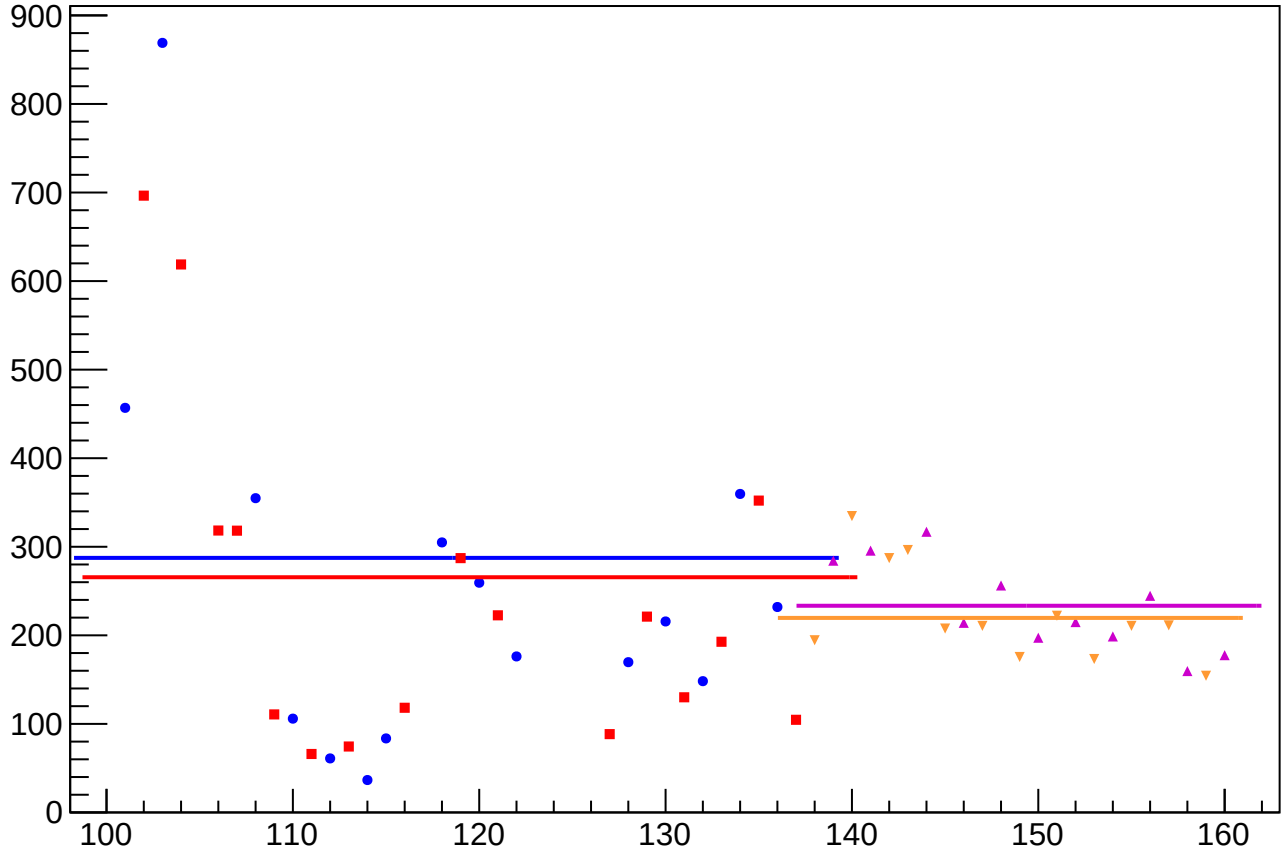
Left In: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

# dit_sam7_coil7_mean vs Slug




Right In: -4242.174+/-0.000 $\chi^2$/NDF: 678347227217415137114560108174211075276 8.0/14
+ sign -2446.693+/-0.000 $\chi^2$/NDF: 1049869951463
Left Out: -1171.784+/-0.000 $\chi^2$/NDF:137401425112319786783295403719378599936.0/11
All: -2470.156+/-0.000 $\chi^2$/NDF: 2076239631
Right Out: -4230.978+/-0.000 $\chi^2$/NDF: 668240952810301675220434357374093046579 2.0/15
- sign -2493.207+/-0.000 $\chi^2$/NDF: 10261991032463
Left In: -1238.776+/-0.000 $\chi^2$/NDF:111339045659652616720712870833504124928.0/10

# dit_sam7_coil7_err_mean vs Slug




Right In: 287.460+/-0.000 $\chi^2$/NDF: 29517044144826155936619151581366976512.0/14

Left Out: 219.672+/-0.000 $\chi^2$/NDF:245550752267692676232869241918010163 2.0/11

Right Out: 265.593+/-0.000 $\chi^2$/NDF: 25843263106329059274985499259066908672.0/15

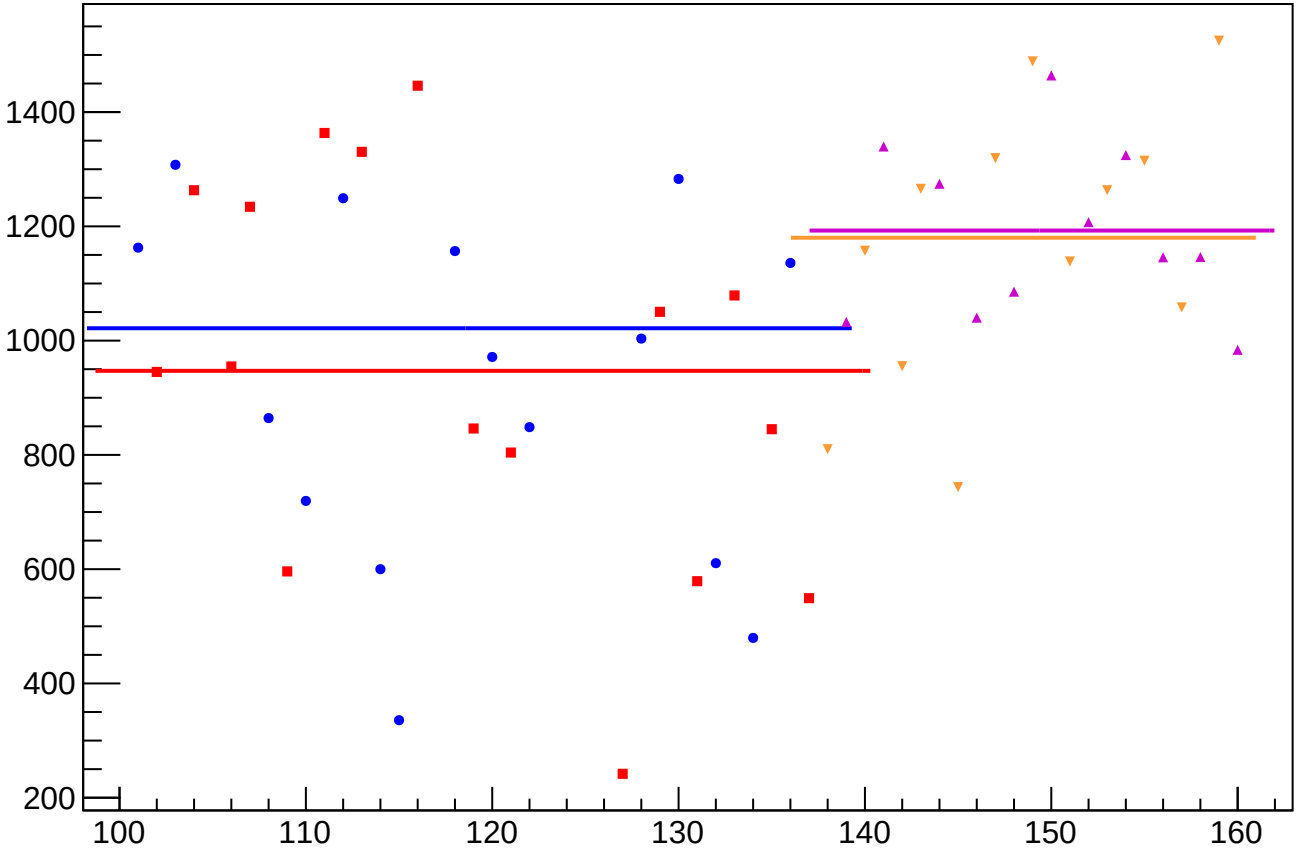
Left In: 233.397+/-0.000 $\chi^2$/NDF:217134173798935923775359976649995 0592.0/10

+ sign 247.819+/-0.000 $\chi^2$/NDF: 33716502024544 6

All: 247.353+/-0.000 $\chi^2$/NDF: 6213331610 36

- sign 246.895+/-0.000 $\chi^2$/NDF: 284161399961778

# dit_sam7_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734 7968.0/11

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

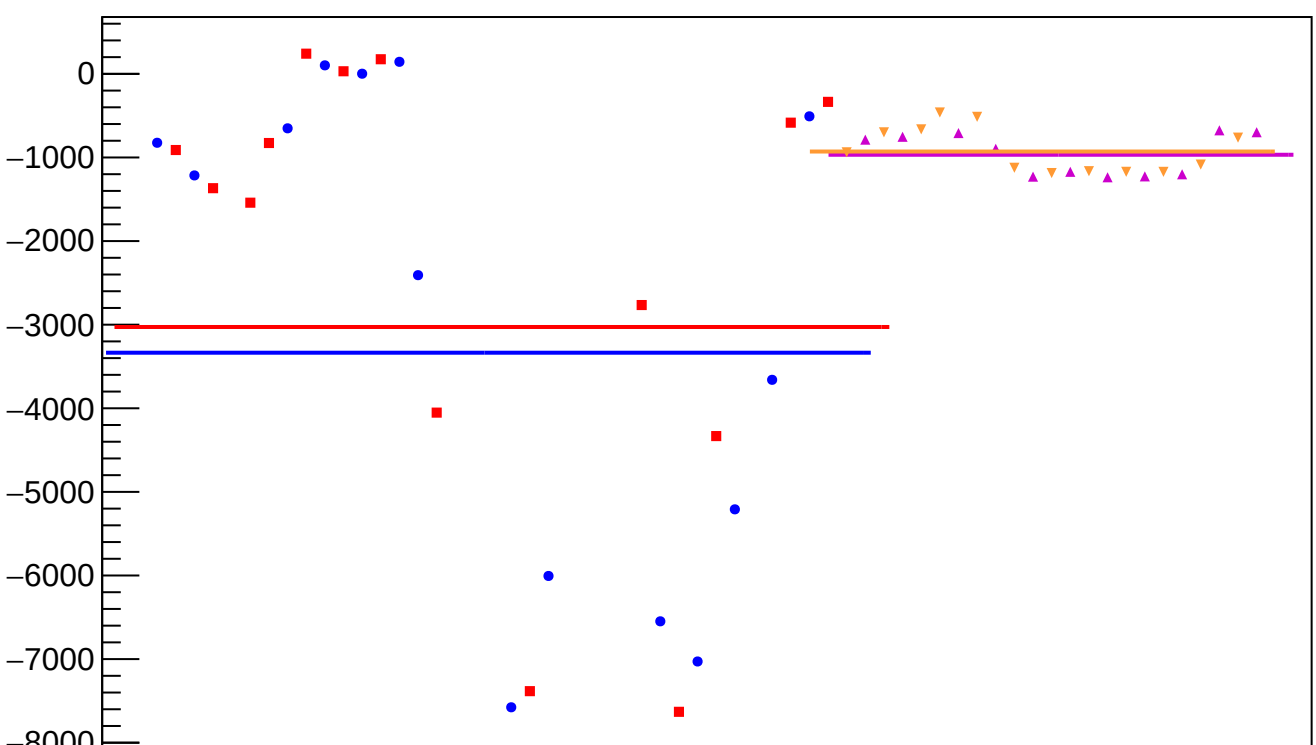
Left In: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

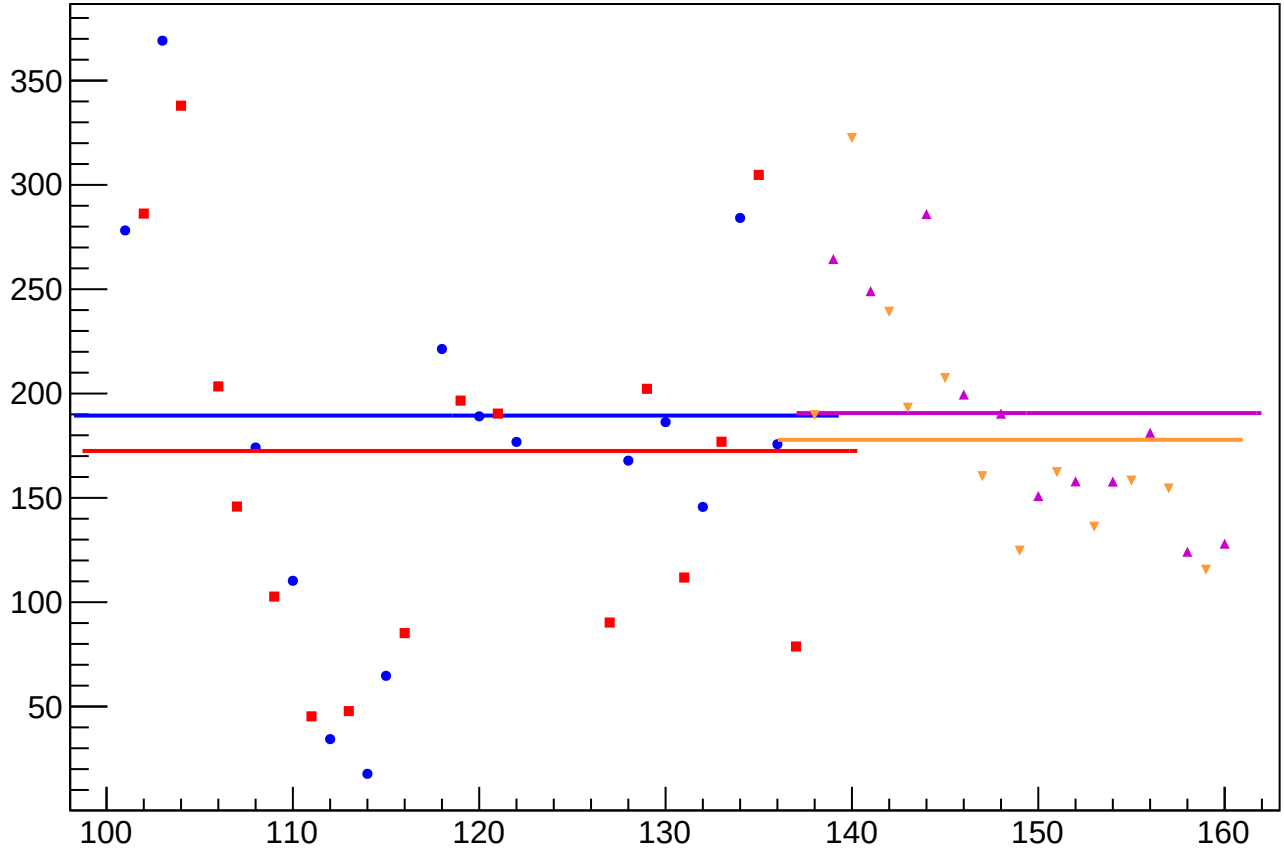
- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

# dit_sam8_coil7_mean vs Slug




Right In: -3335.273+/-0.000 $\chi^2$/NDF: 633808725158963752903007551715242357555 2.0/14
+ sign -1928.069+/-0.000 $\chi^2$/NDF: 8598052081097
Left Out: -928.862+/-0.000 $\chi^2$/NDF:622505100215341047345917104599680942 08.0/11
All: -1879.206+/-0.000 $\chi^2$/NDF: 1738697442
Right Out: -3027.603+/-0.000 $\chi^2$/NDF: 7086157086694396583090903767581326311424.0/15
- sign -1831.203+/-0.000 $\chi^2$/NDF: 8781524392248 3
Left In: -967.568+/-0.000 $\chi^2$/NDF:5146188161940171856749778772086593945 6.0/10

# dit_sam8_coil7_err_mean vs Slug




Right In: 189.442+/-0.000 $\chi^2$/NDF: 4707234253929700721726064108794544128.0/14

+ sign 182.640+/-0.000 $\chi^2$/NDF: 755196649084906

Left Out: 177.811+/-0.000 $\chi^2$/NDF:279339252992794486008158123450590822 4.0/11

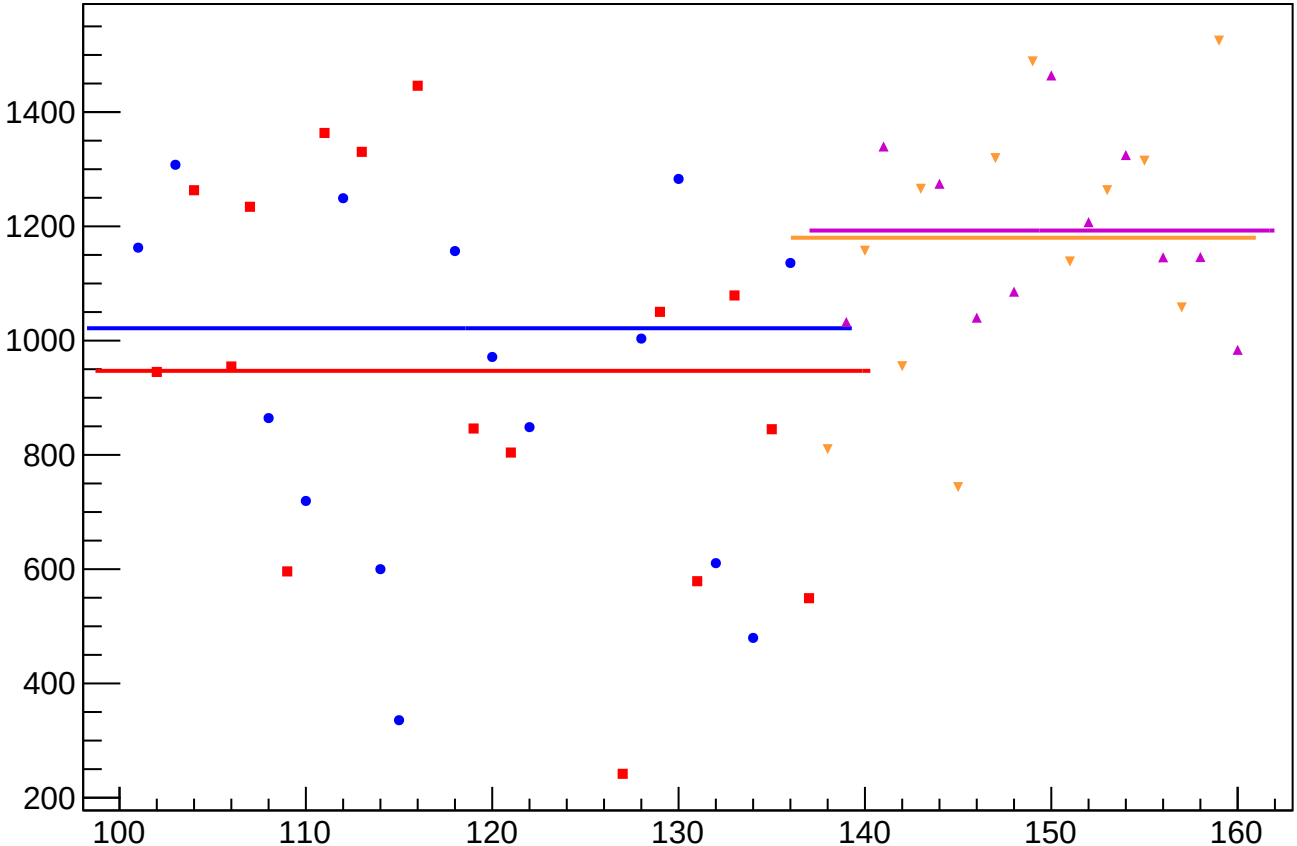
All: 182.836+/-0.000 $\chi^2$/NDF: 15810669328

Right Out: 172.485+/-0.000 $\chi^2$/NDF: 559481340899672826193871147040453427 2.0/15

- sign 183.029+/-0.000 $\chi^2$/NDF: 825858339211044

Left In: 190.641+/-0.000 $\chi^2$/NDF:253607038668406713200154889809192550 4.0/10

# dit_sam8_coil7_Ndata_mean vs Slug




Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Left Out: 1180.103+/-0.000 $\chi^2$/NDF:5078860680469029272453973050378734 7968.0/11

Right Out: 947.145+/-0.000 $\chi^2$/NDF: 6778465601193652151116966802801819648 0.0/15

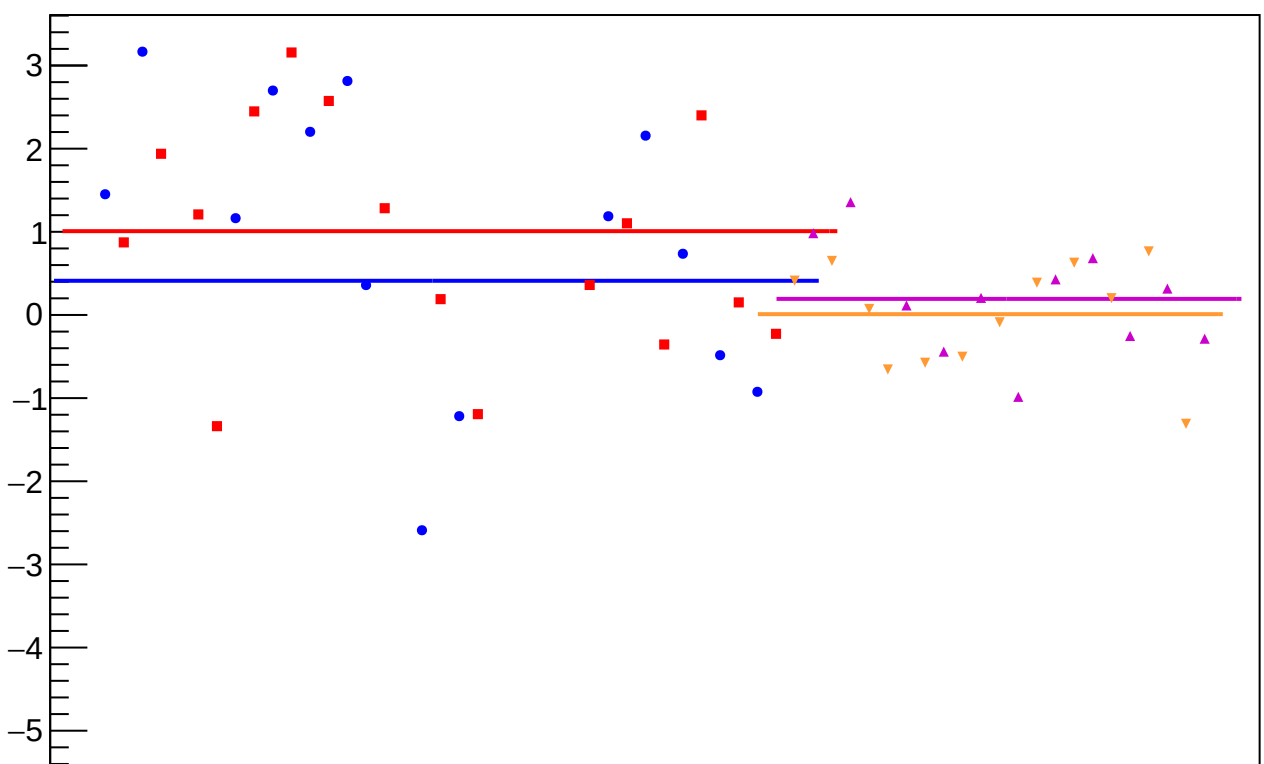
Left In: 1192.687+/-0.000 $\chi^2$/NDF:192552873837282056626540228673819115 52.0/10

+ sign 1114.323+/-0.000 $\chi^2$/NDF: 10080626753263

All: 1101.926+/-0.000 $\chi^2$/NDF: 2116773045 2

- sign 1089.748+/-0.000 $\chi^2$/NDF: 11039486982366

# dit_4aX_coil4_mean vs Slug




Right In: 0.411+/-0.000 $\chi^2$/NDF: 338557350625556317005308982040985 6.0/14

+ sign 0.176+/-0.000 $\chi^2$/NDF: 38013535411119763

Left Out: 0.010+/-0.000 $\chi^2$/NDF:354573516648160349272665694928896.0/11

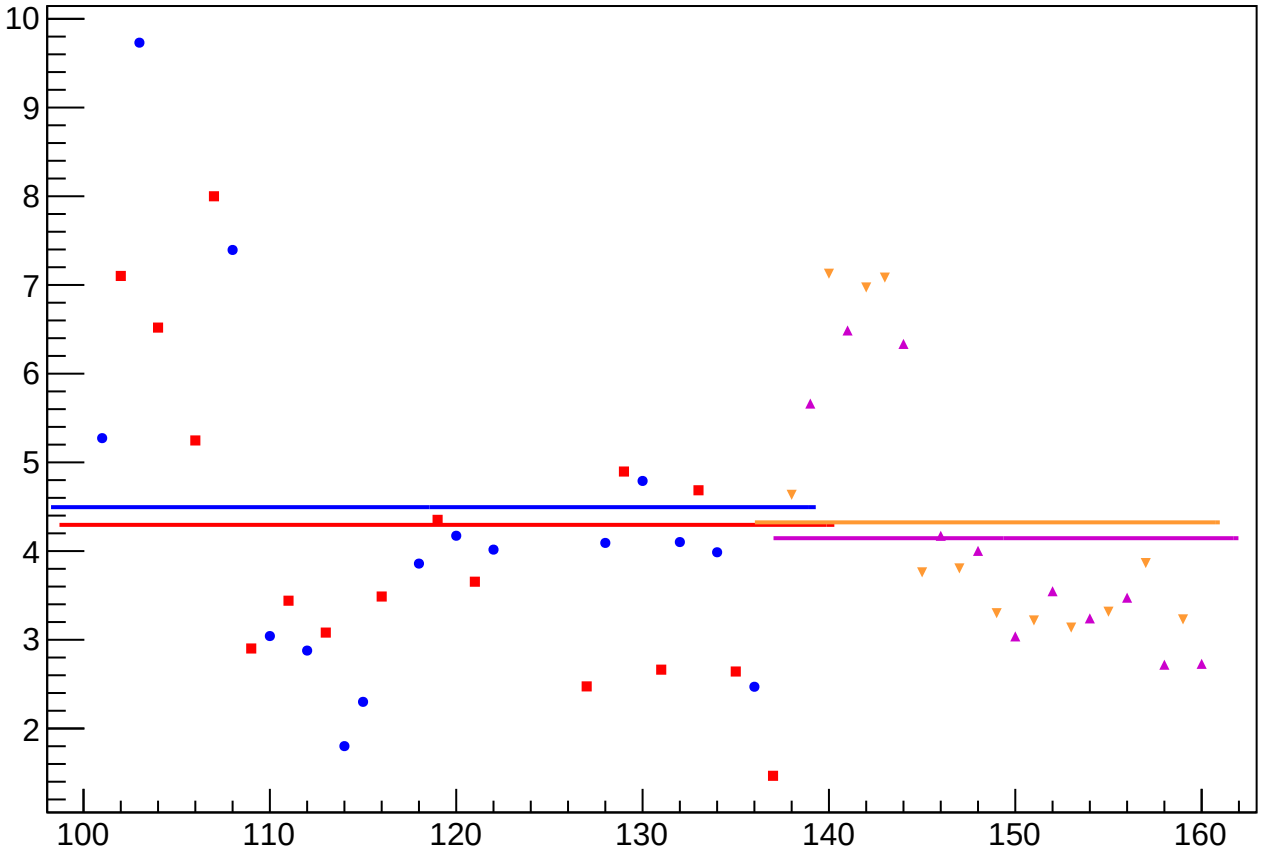
All: 0.357+/-0.000 $\chi^2$/NDF: 5674167911062 2

Right Out: 1.008+/-0.000 $\chi^2$/NDF: 112840222814409639449804741070028 8.0/15

- sign 0.535+/-0.000 $\chi^2$/NDF: 17715106696706138

Left In: 0.193+/-0.000 $\chi^2$/NDF:386133523330033860307880234713088.0/10

# dit_4aX_coil4_err_mean vs Slug




Right In: 4.495+/-0.000 $\chi^2$/NDF: 27422400724410975315007287915970 56.0/14

Left Out: 4.324+/-0.000 $\chi^2$/NDF:202553496938895005840710911918080 0.0/11

Right Out: 4.296+/-0.000 $\chi^2$/NDF: 201192570706205189038100747544166 4.0/15

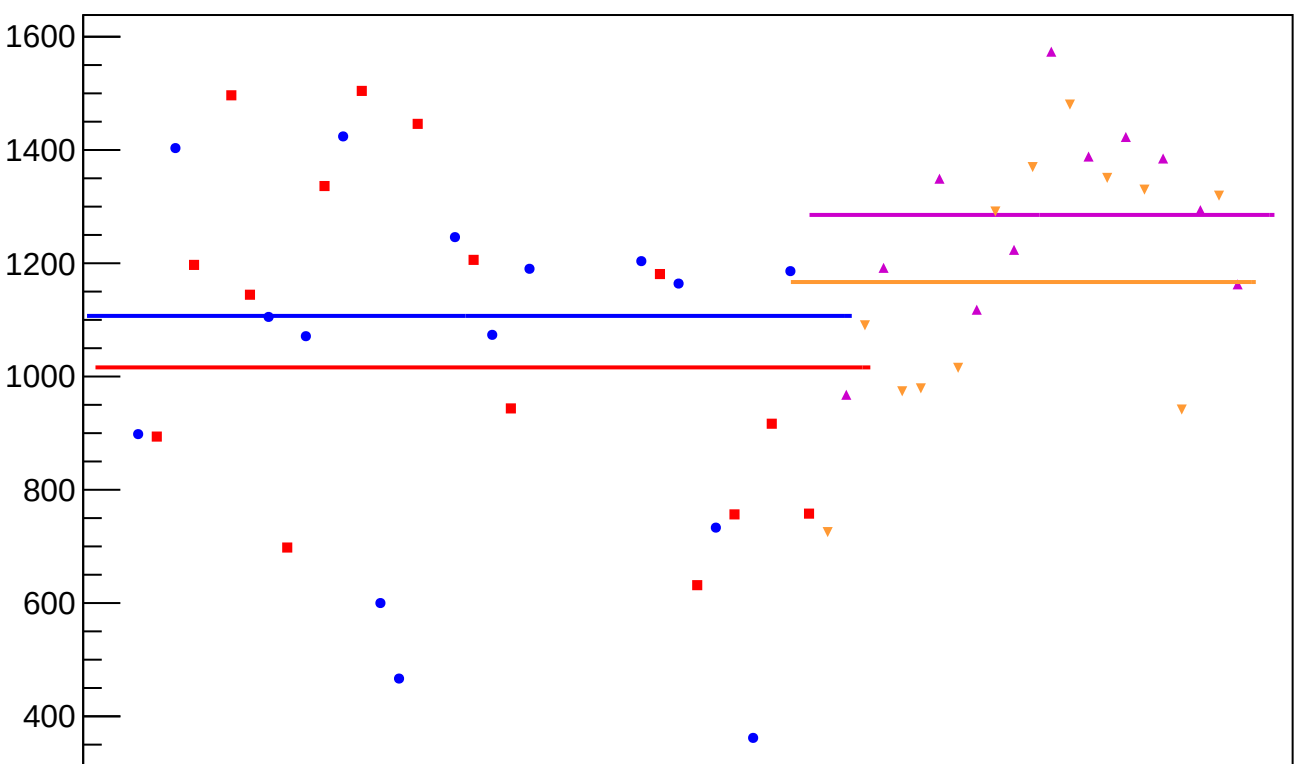
Left In: 4.145+/-0.000 $\chi^2$/NDF:164594260430334960857184982794240 0.0/10

+ sign 4.395+/-0.000 $\chi^2$/NDF: 4778921312885319 5

All: 4.301+/-0.000 $\chi^2$/NDF: 847301115148 39

- sign 4.208+/-0.000 $\chi^2$/NDF: 36666176911582785

# dit_4aX_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

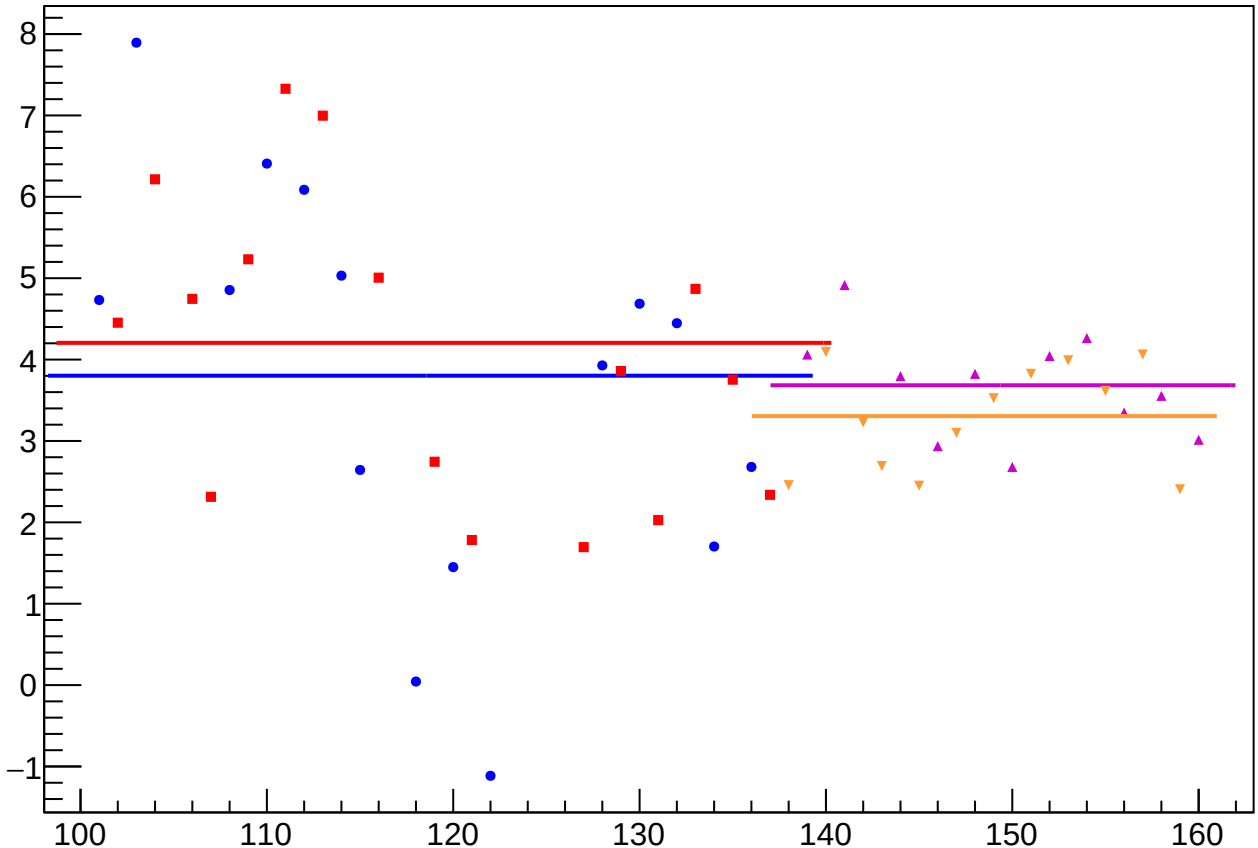
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5

# dit_4eX_coil4_mean vs Slug




Right In: 3.802+/-0.000 $\chi^2$/NDF: 37954760743983389305647006576803 84.0/14

+ sign 3.512+/-0.000 $\chi^2$/NDF: 42645411605619782

Left Out: 3.305+/-0.000 $\chi^2$/NDF:37551460533980562489867955811123 2.0/11

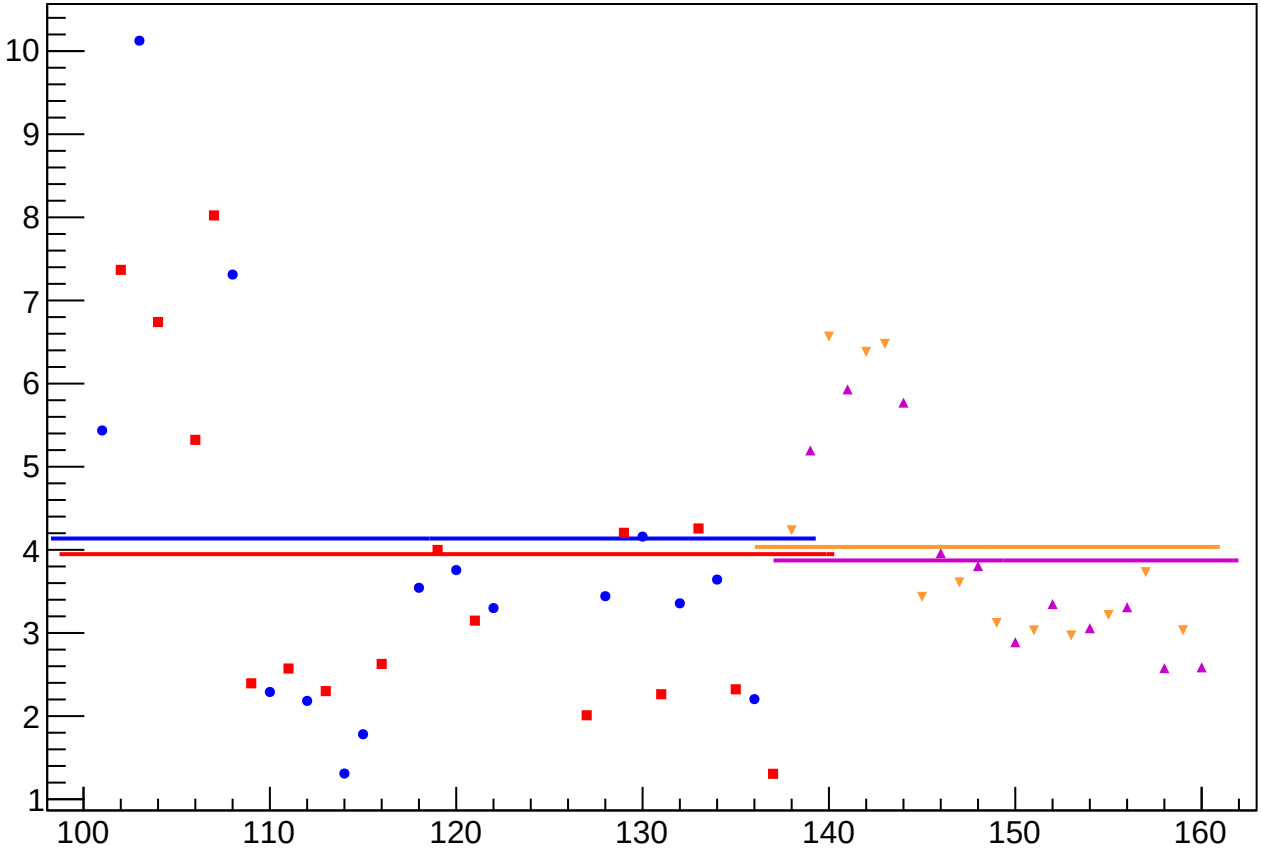
All: 3.709+/-0.000 $\chi^2$/NDF: 6952977853900 1

Right Out: 4.206+/-0.000 $\chi^2$/NDF: 20964278133414545733322651834777 60.0/15

- sign 3.903+/-0.000 $\chi^2$/NDF: 25677839447530972

Left In: 3.684+/-0.000 $\chi^2$/NDF:36600141965642231060185007259648 0.0/10

# dit_4eX_coil4_err_mean vs Slug




Right In: 4.136+/-0.000 $\chi^2$/NDF: 3507600624388663919898505496231936.0/14

Left Out: 4.035+/-0.000 $\chi^2$/NDF:1609299061352578548486150138363904.0/11

Right Out: 3.948+/-0.000 $\chi^2$/NDF: 2670176783942302028345551100051456.0/15

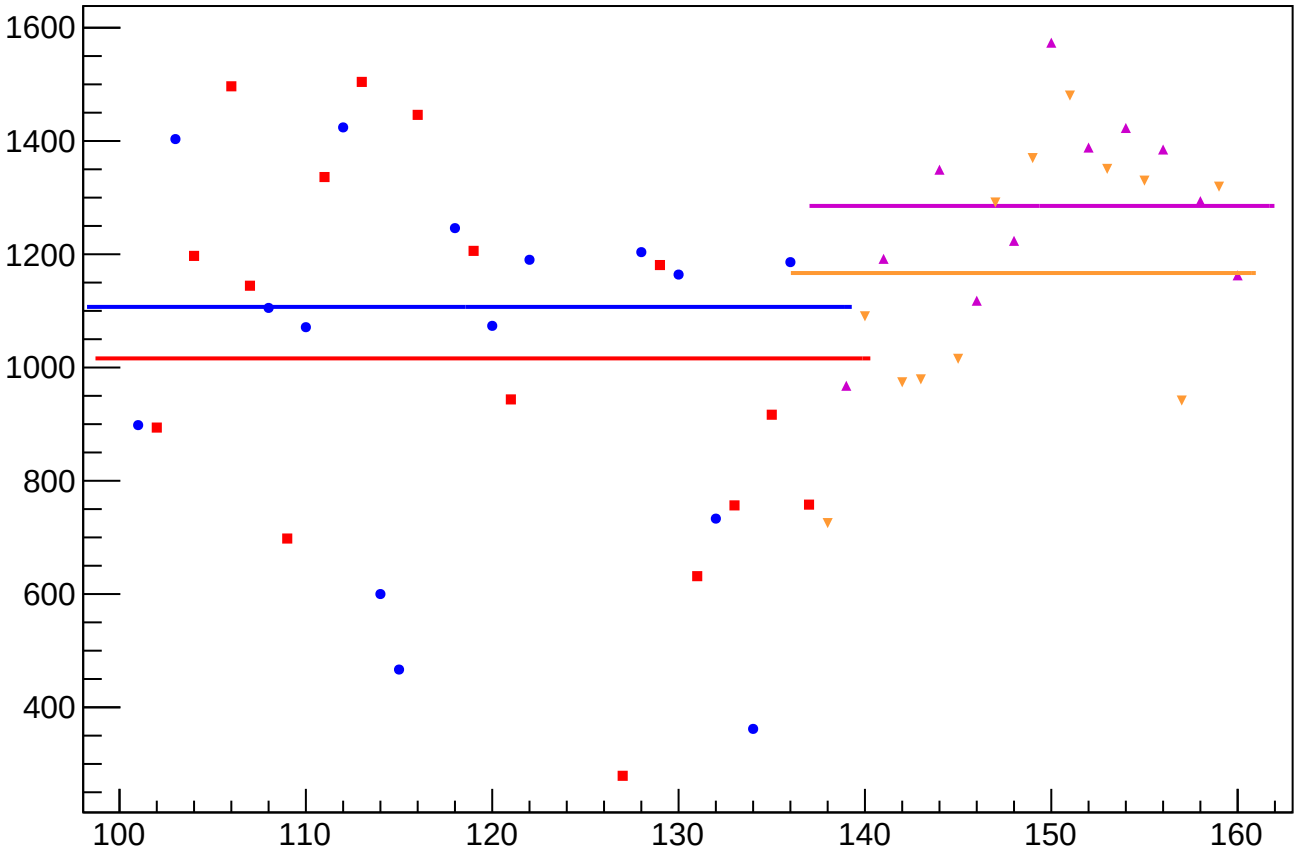
Left In: 3.873+/-0.000 $\chi^2$/NDF:1278598291391127694323835331411968.0/10

+ sign 4.077+/-0.000 $\chi^2$/NDF: 5120791109485676

All: 3.990+/-0.000 $\chi^2$/NDF: 9095304905164

- sign 3.904+/-0.000 $\chi^2$/NDF: 3950992574828696

# dit_4eX_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

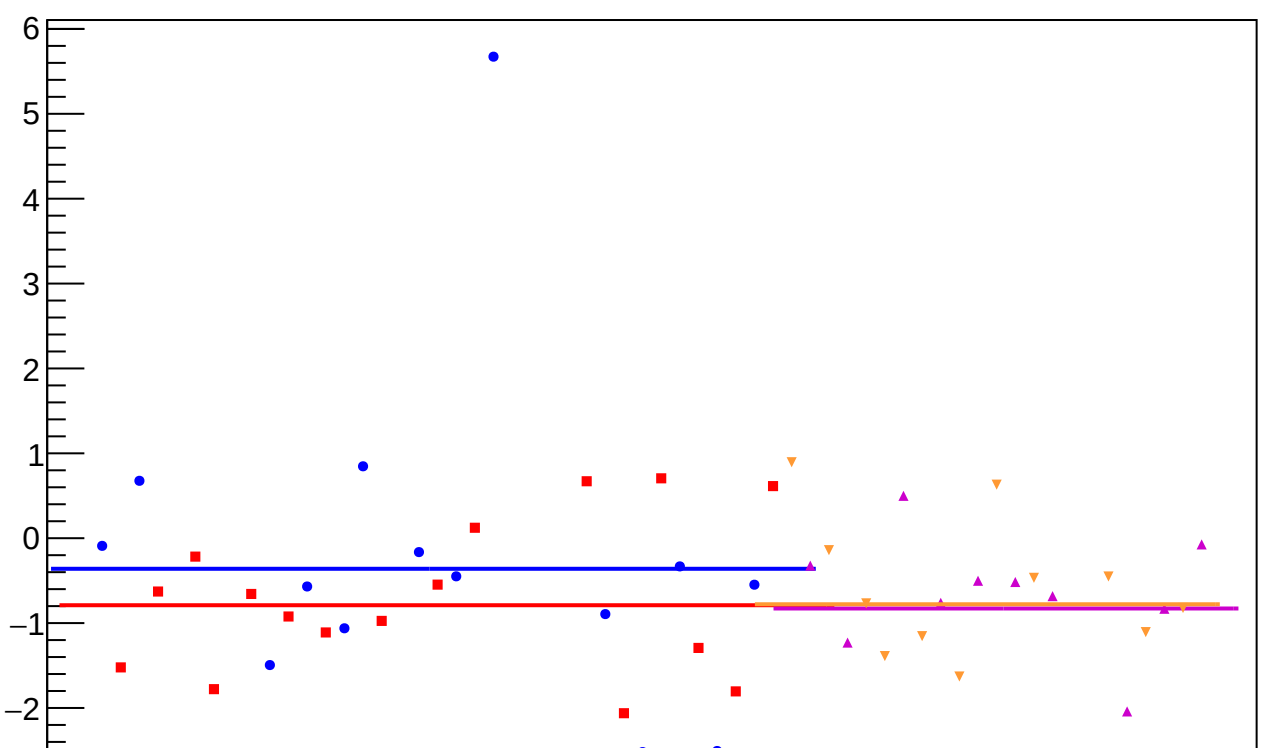
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

- sign 1172.482+/-0.000 $\chi^2$/NDF: 12465444911625

# dit_11X12X_coil4_mean vs Slug




Right In: -0.360+/-0.000 $\chi^2$/NDF: 2180256348790896849346212178952192.0/14

+ sign -0.605+/-0.000 $\chi^2$/NDF: 3188346311700114

Left Out: -0.778+/-0.000 $\chi^2$/NDF:9417925683764342254868439886725 12.0/11

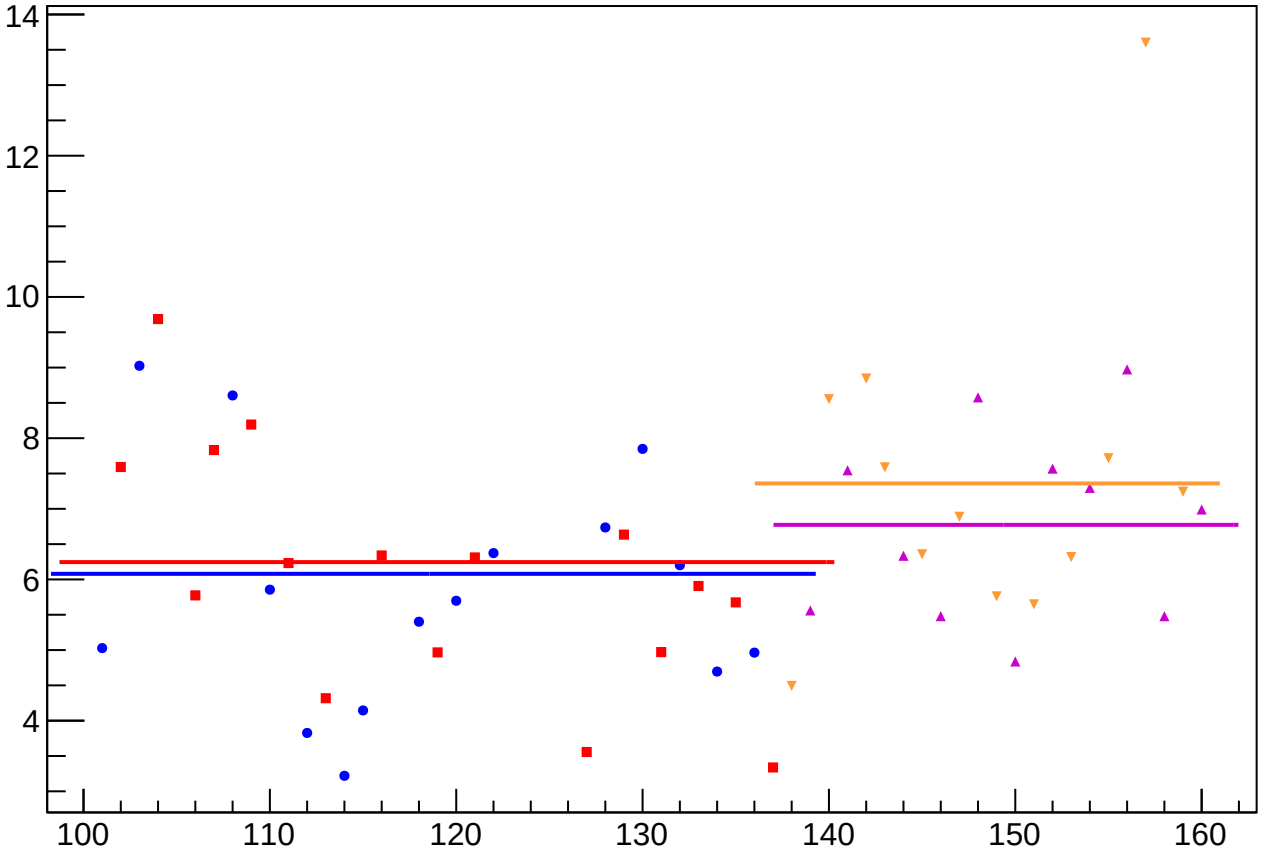
All: -0.709+/-0.000 $\chi^2$/NDF: 4336052335682

Right Out: -0.790+/-0.000 $\chi^2$/NDF: 4630783690733439598034229038940 16.0/15

- sign -0.812+/-0.000 $\chi^2$/NDF: 1113826026082910

Left In: -0.828+/-0.000 $\chi^2$/NDF:6501739774591225245371804543877 12.0/10

# dit_11X12X_coil4_err_mean vs Slug




Right In: 6.079+/-0.000 $\chi^2$/NDF: 15902951710227051575099004488253 44.0/14

+ sign 6.828+/-0.000 $\chi^2$/NDF: 6792638877370086 9

Left Out: 7.360+/-0.000 $\chi^2$/NDF:458038075523936550358514007015424 0.0/11

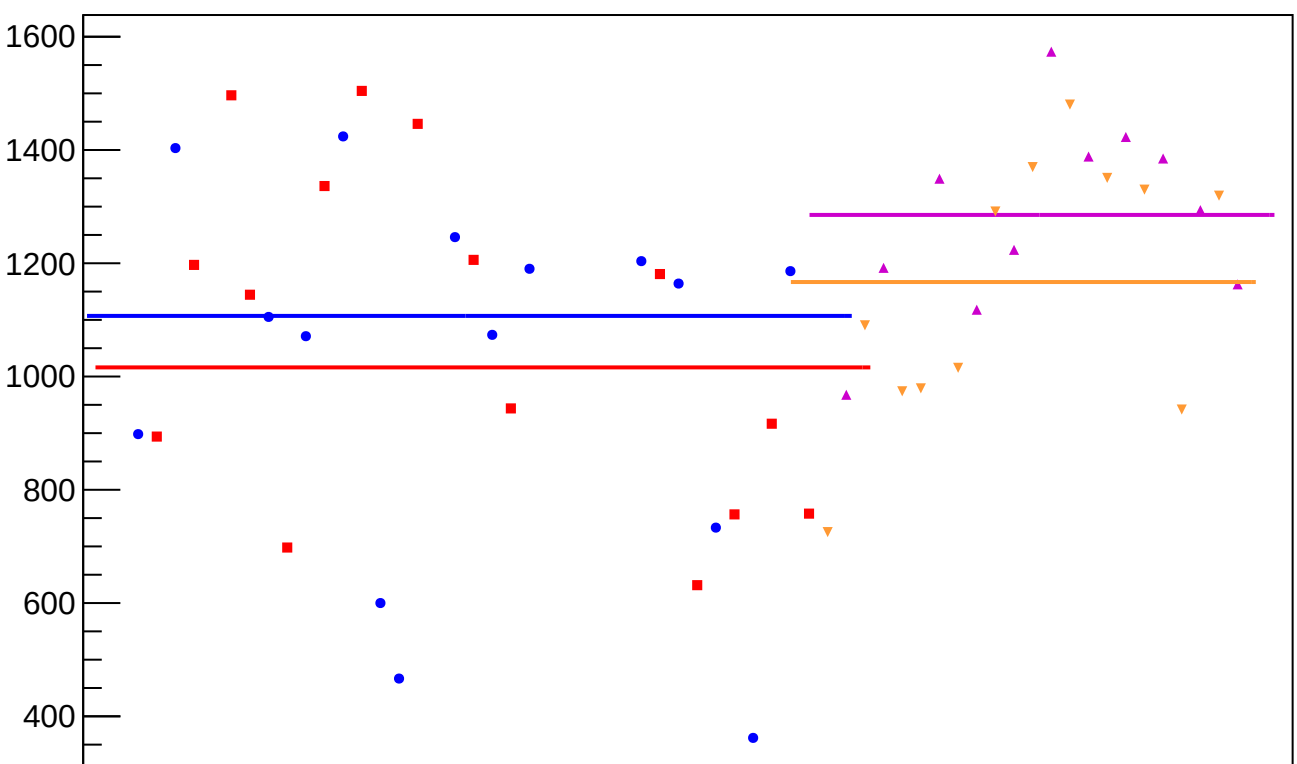
All: 6.689+/-0.000 $\chi^2$/NDF: 1032305053905 5

Right Out: 6.245+/-0.000 $\chi^2$/NDF: 1816529163105006938510976985595904.0/15

- sign 6.552+/-0.000 $\chi^2$/NDF: 34702547921187787

Left In: 6.773+/-0.000 $\chi^2$/NDF:1545880653062872635060205832372224.0/10

# dit_11X12X_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

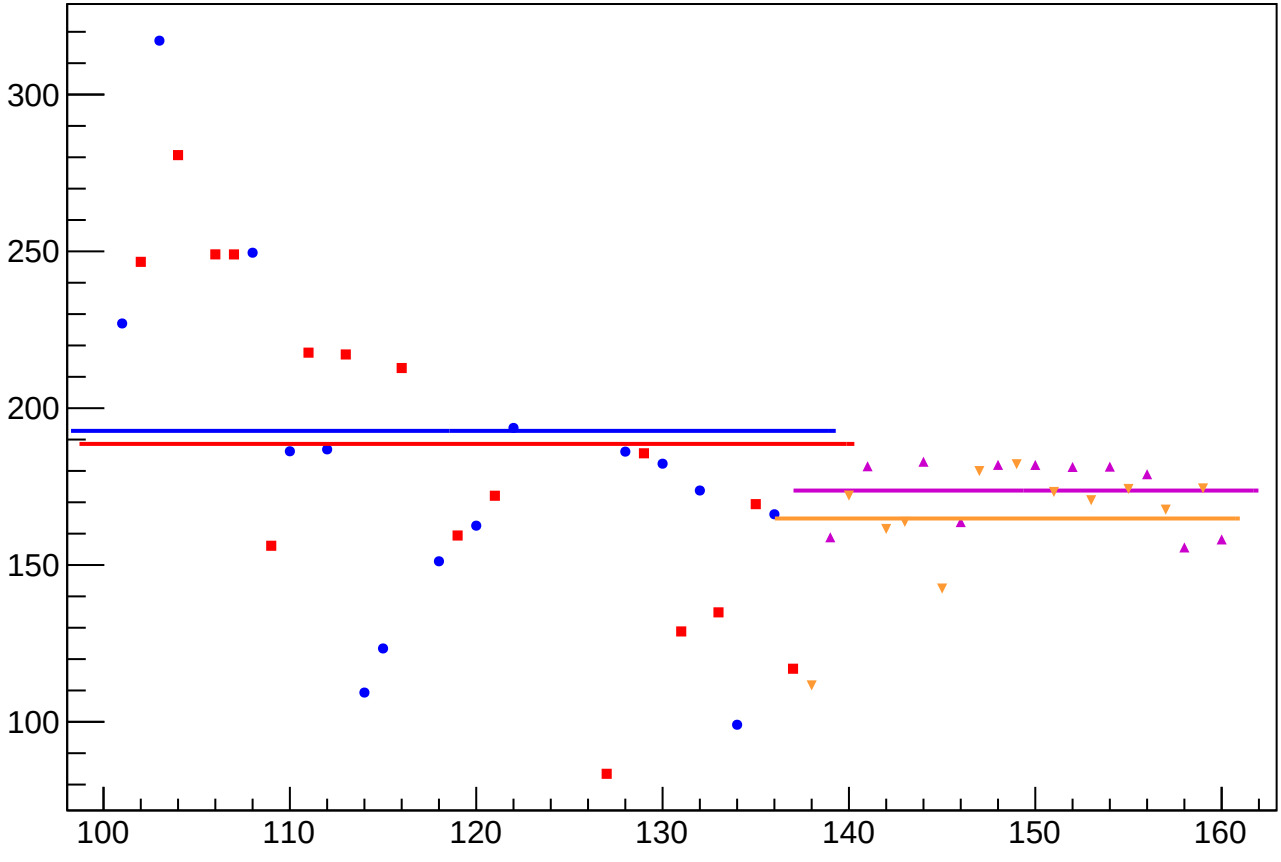
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5

# dit_4aY_coil4_mean vs Slug




Right In: 192.771+/-0.000 $\chi^2$/NDF: 1640576279746948433391816936236515328.0/14

+ sign 176.433+/-0.000 $\chi^2$/NDF: 226806307744820

Left Out: 164.832+/-0.000 $\chi^2$/NDF:331248867631864480349687016910225408.0/11

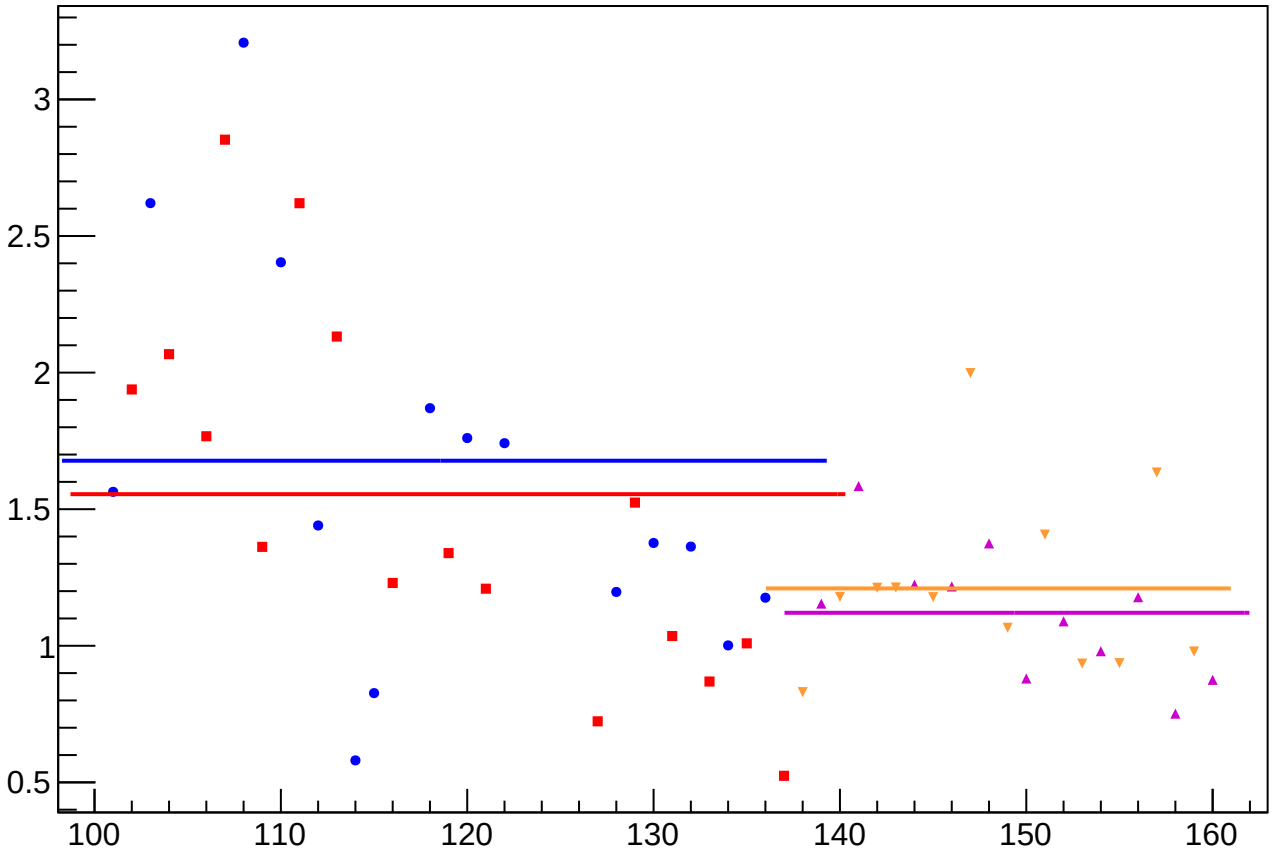
All: 178.219+/-0.000 $\chi^2$/NDF: 43935498747

Right Out: 188.612+/-0.000 $\chi^2$/NDF: 192234225728767456334420473001961062 4.0/15

- sign 179.974+/-0.000 $\chi^2$/NDF: 211560304537061

Left In: 173.738+/-0.000 $\chi^2$/NDF:1075681569239006494587955410024529 92.0/10

# dit_4aY_coil4_err_mean vs Slug




Right In: 1.677+/-0.000 $\chi^2$/NDF: 2418799240447885932927915592253 44.0/14

+ sign 1.404+/-0.000 $\chi^2$/NDF: 4203163615319246 3

Left Out: 1.210+/-0.000 $\chi^2$/NDF:9550050245842002667238470556057 6.0/11

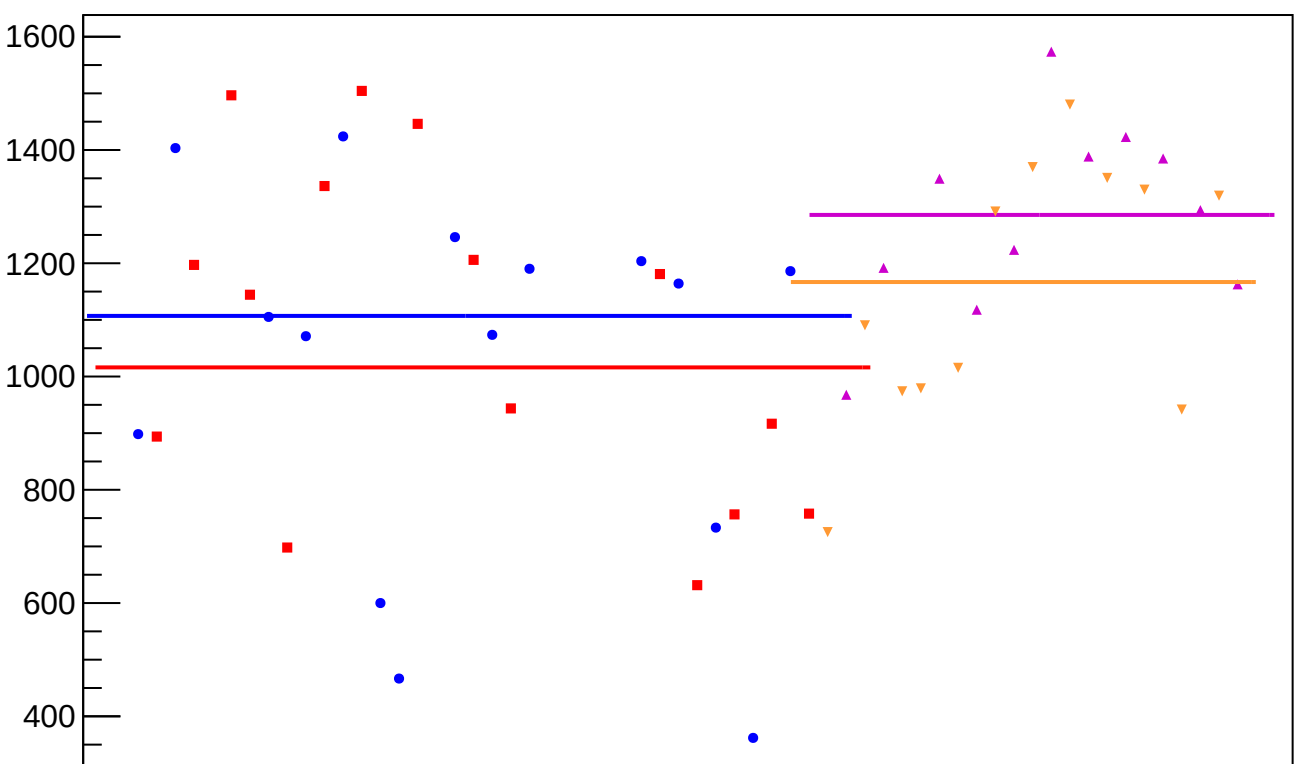
All: 1.353+/-0.000 $\chi^2$/NDF: 8054448524380 2

Right Out: 1.555+/-0.000 $\chi^2$/NDF: 2556459514338902968276771951083 52.0/15

- sign 1.303+/-0.000 $\chi^2$/NDF: 3770443813103152 4

Left In: 1.121+/-0.000 $\chi^2$/NDF:4837489656334895737228535162470 4.0/10

# dit_4aY_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

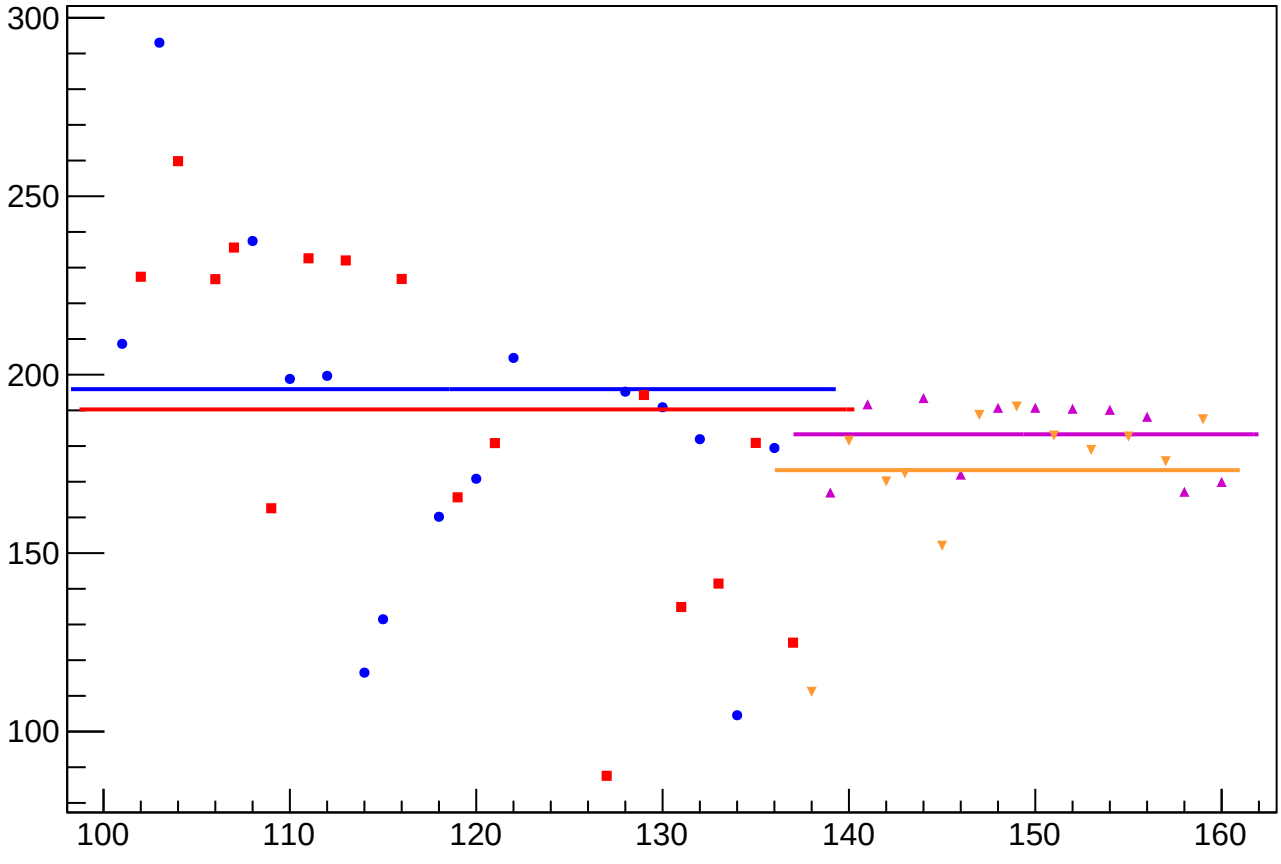
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

- sign 1172.482+/-0.000 $\chi^2$/NDF: 12465444911625

# dit_4eY_coil4_mean vs Slug




Right In: 195.940+/-0.000 $\chi^2$/NDF: 1057891079869089572370479093183938560.0/14

Left Out: 173.245+/-0.000 $\chi^2$/NDF:4211897430223129567796212229545656 32.0/11

Right Out: 190.268+/-0.000 $\chi^2$/NDF: 1468473073667973330267084234323656704.0/15

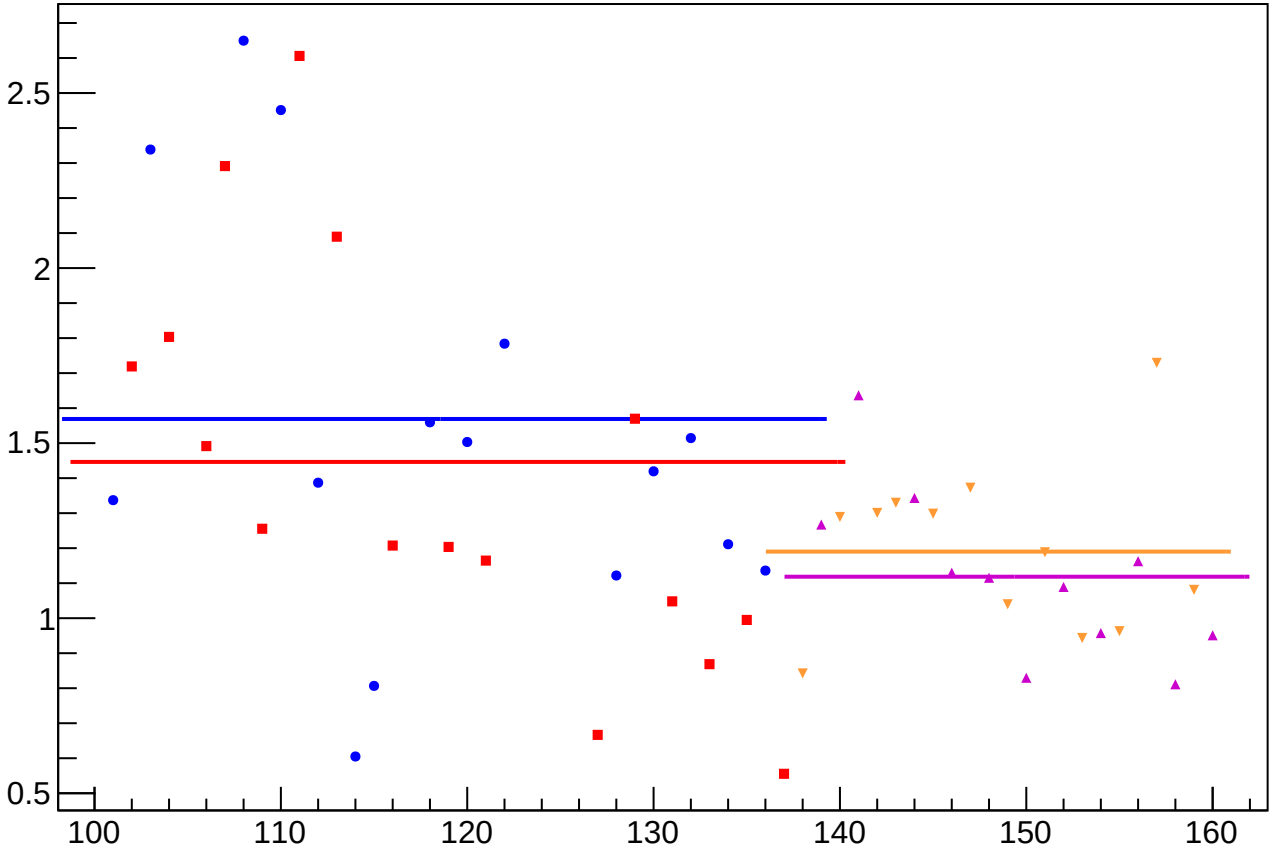
Left In: 183.290+/-0.000 $\chi^2$/NDF:1017388415111114178210426118324879 36.0/10

+ sign 182.669+/-0.000 $\chi^2$/NDF: 16745674206207 5

All: 184.458+/-0.000 $\chi^2$/NDF: 32735567790 4

- sign 186.216+/-0.000 $\chi^2$/NDF: 158906987548328

# dit_4eY_coil4_err_mean vs Slug




Right In: 1.569+/-0.000 $\chi^2$/NDF: 16284919566812338078961054095769 6.0/14

Left Out: 1.190+/-0.000 $\chi^2$/NDF:5074582293603221733614481414553 6.0/11

Right Out: 1.446+/-0.000 $\chi^2$/NDF: 19629665391752335244327105278771 2.0/15

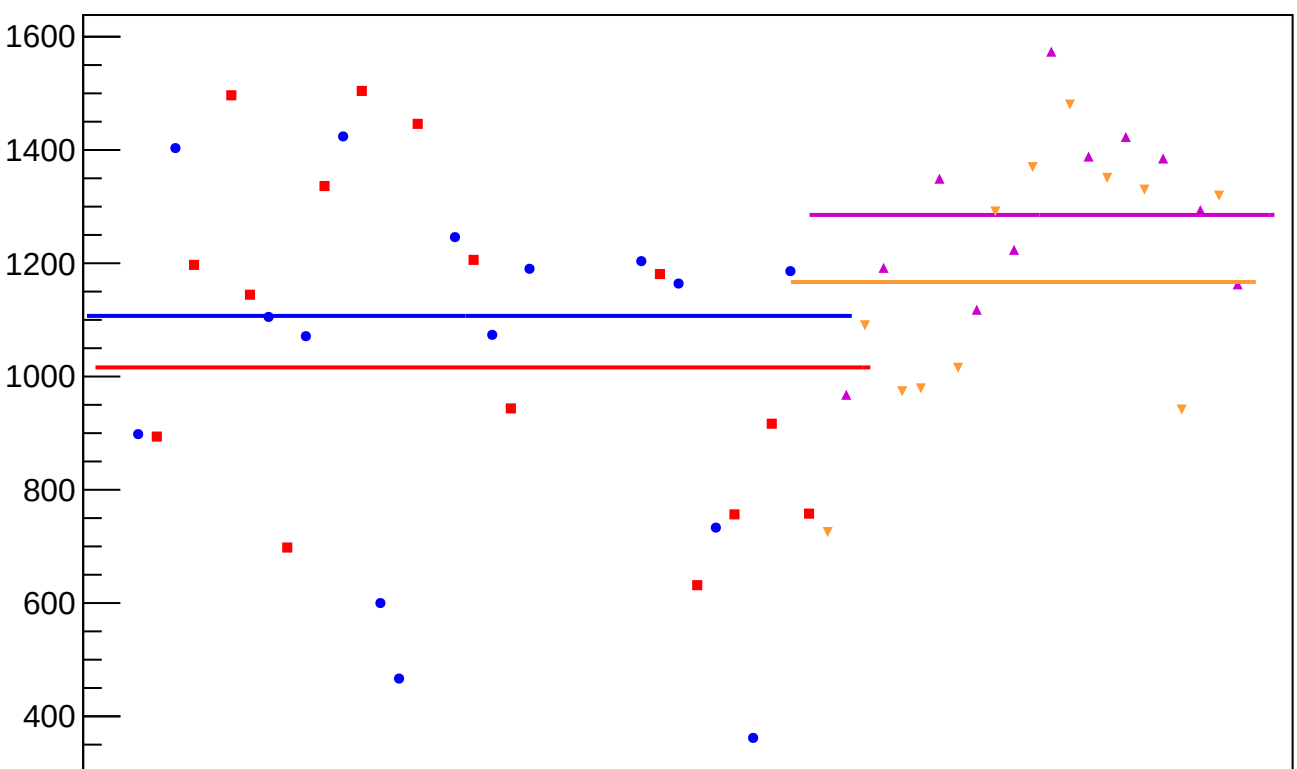
Left In: 1.118+/-0.000 $\chi^2$/NDF:4897349699572348091180136582348 8.0/10

+ sign 1.347+/-0.000 $\chi^2$/NDF: 2680564508595917 5

All: 1.301+/-0.000 $\chi^2$/NDF: 5615758872199 8

- sign 1.256+/-0.000 $\chi^2$/NDF: 2869099255914574 3

# dit_4eY_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

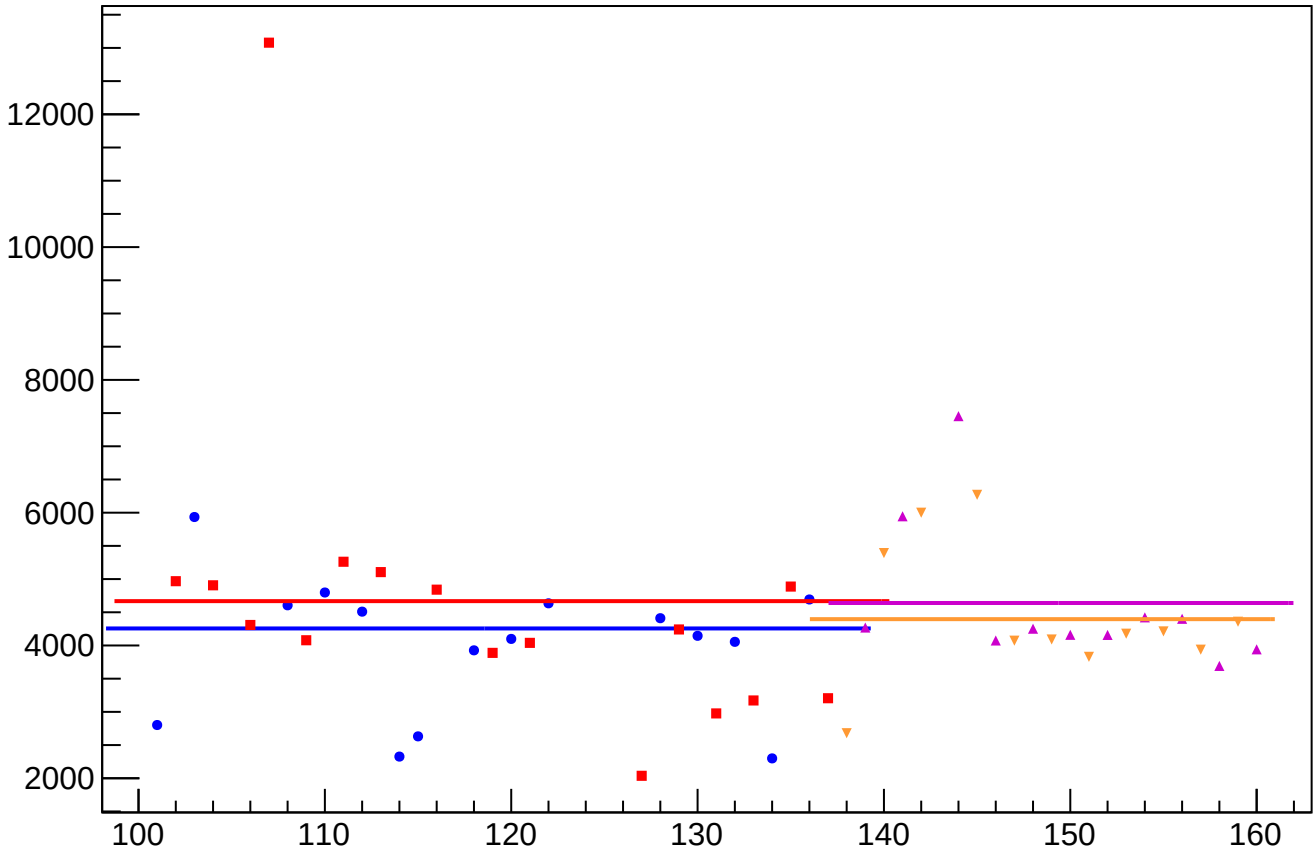
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5

# dit_usl_coil4_mean vs Slug




Right In: 4256.386+/-0.000 $\chi^2$/NDF: 4986054125516248596724549541595761868 80.0/14

+ sign 4335.661+/-0.000 $\chi^2$/NDF: 1273495465485 7

Left Out: 4396.403+/-0.000 $\chi^2$/NDF:7676863081574864401791002405526380216 32.0/10

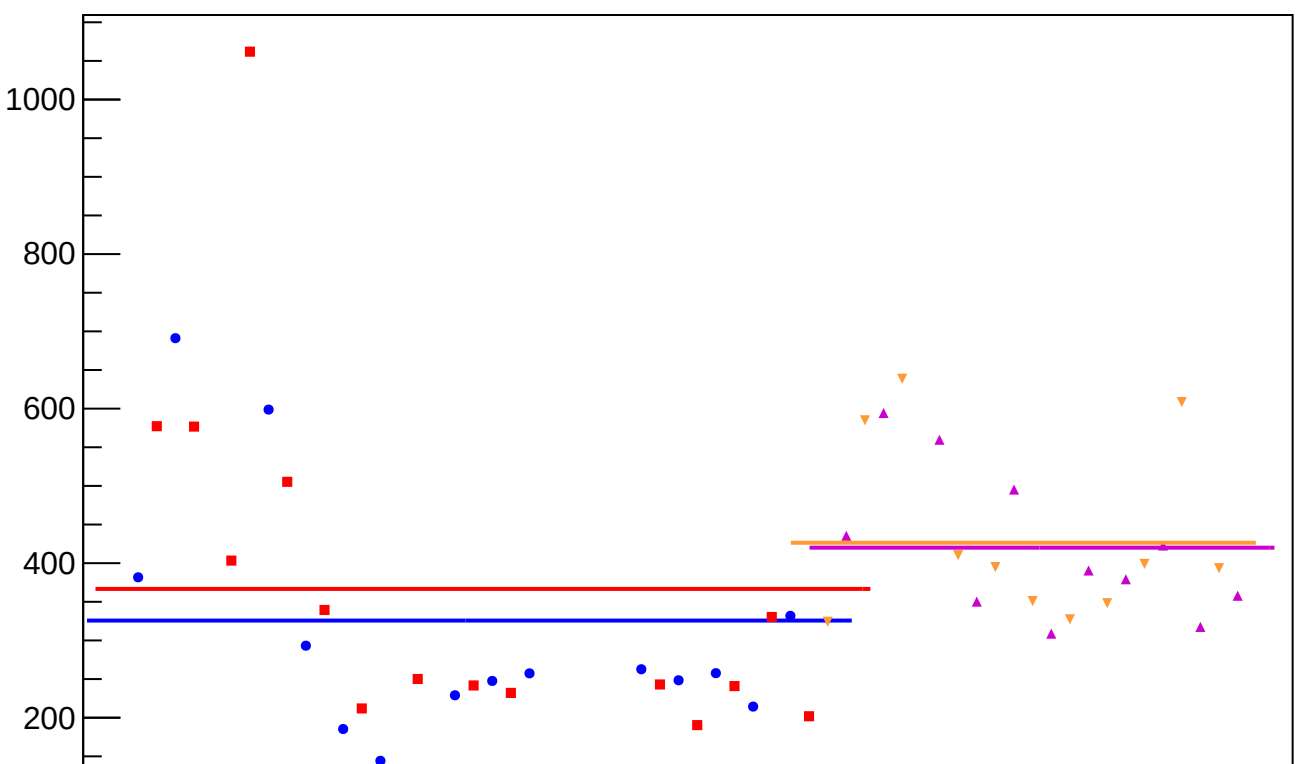
All: 4498.481+/-0.000 $\chi^2$/NDF: 5611121427 8

Right Out: 4667.832+/-0.000 $\chi^2$/NDF: 3201925535782807450320951772159309512704.0/15

- sign 4651.578+/-0.000 $\chi^2$/NDF: 4260675233621 6

Left Out: 4639.846+/-0.000 $\chi^2$/NDF:1058446303743243170530981239939506634752.0/10

# dit_usl_coil4_err_mean vs Slug




Right In: 325.732+/-0.000 $\chi^2$/NDF: 1463335956794024412389724276985430016 0.0/14

+ sign 382.754+/-0.000 $\chi^2$/NDF: 279252260301187

Left Out: 426.446+/-0.000 $\chi^2$/NDF:9564737566607591468000084323542761472.0/10

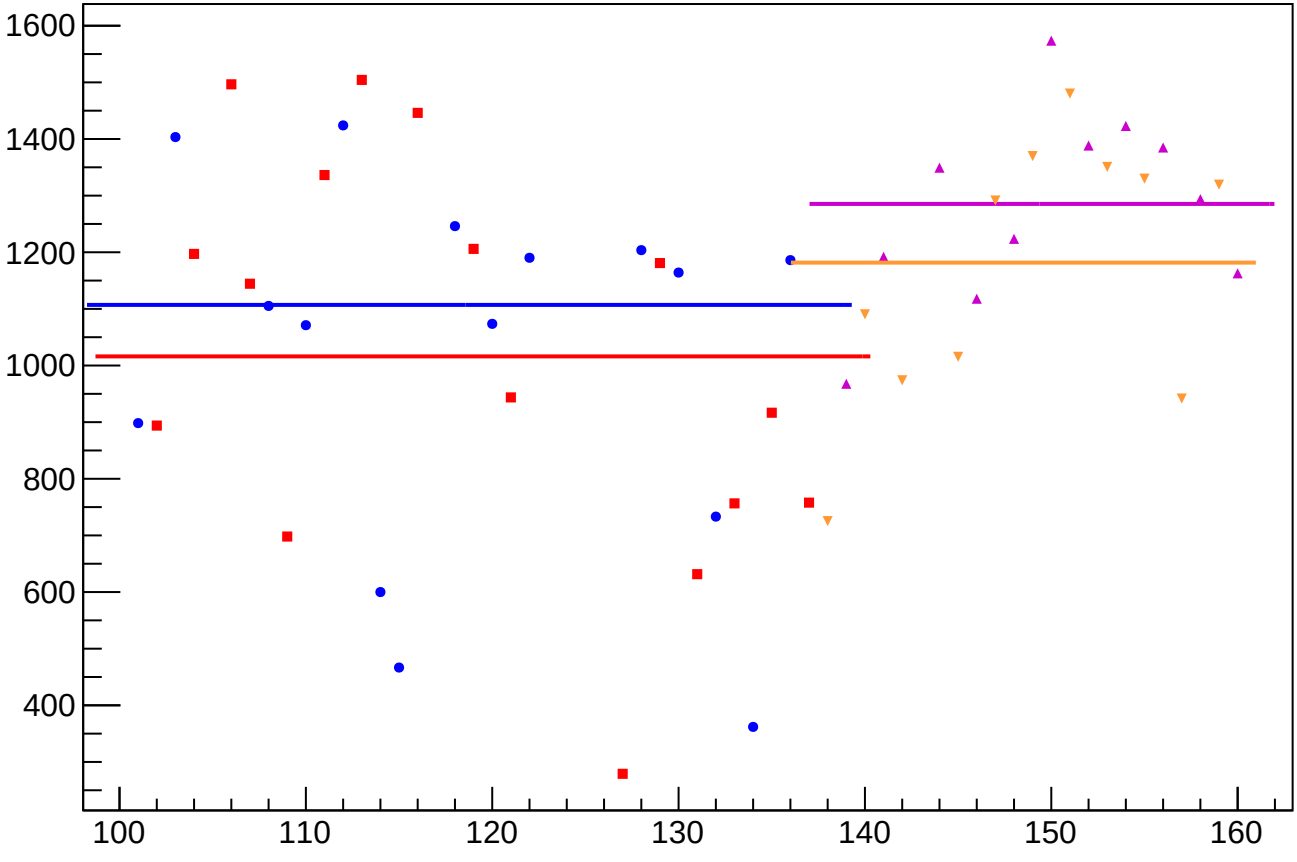
All: 390.448+/-0.000 $\chi^2$/NDF: 69004632674

Right Out: 366.682+/-0.000 $\chi^2$/NDF: 3209725069994795640911744011539893 4528.0/15

- sign 397.684+/-0.000 $\chi^2$/NDF: 409075450012092

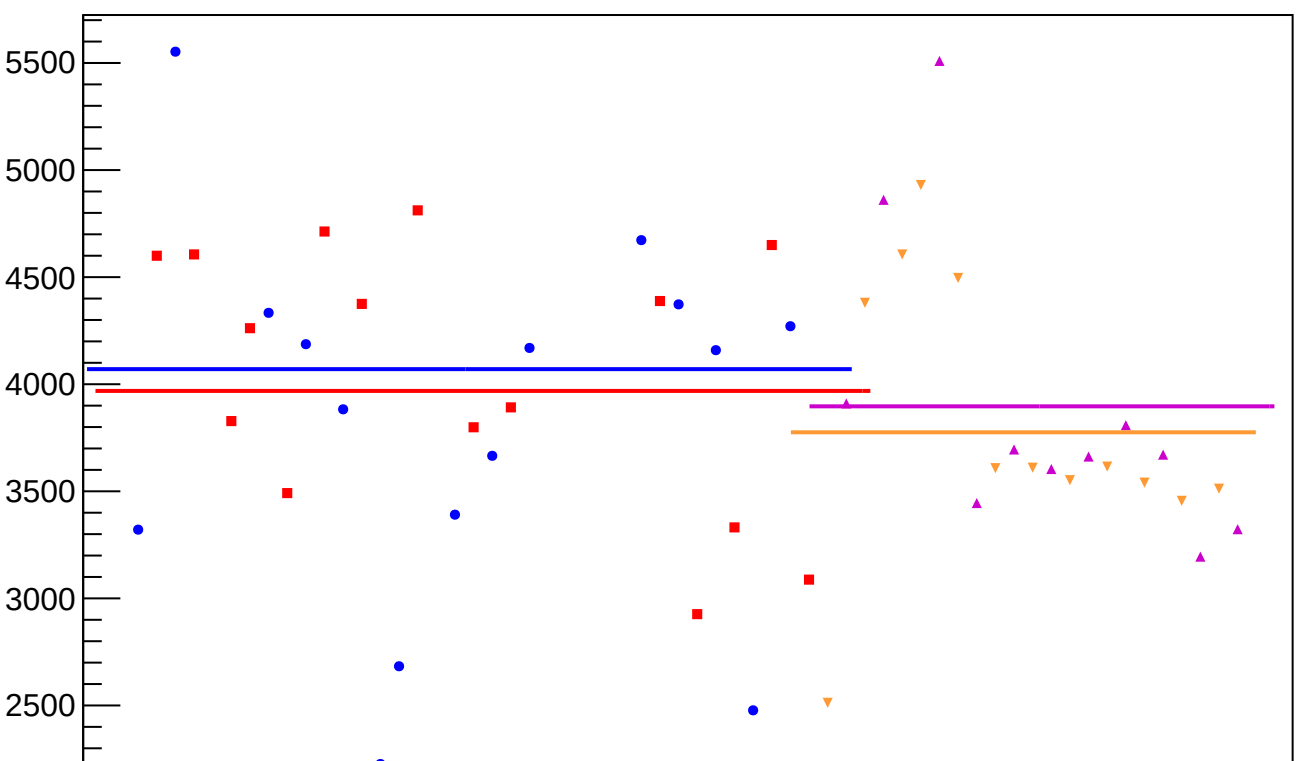
Left In: 420.062+/-0.000 $\chi^2$/NDF:7706514276709269263404419491802644480.0/10

# dit_usl_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14
+ sign 1149.328+/-0.000 $\chi^2$/NDF: 8478540903172 0
Left Out: 1181.721+/-0.000 $\chi^2$/NDF:421028838563212752568210290625090682 88.0/10
All: 1161.261+/-0.000 $\chi^2$/NDF: 2098532030 9
Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 725676643335091927121843100371501711 36.0/15
- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5
Left In: 1285.364+/-0.000 $\chi^2$/NDF:240025728037323459597360480955148533 76.0/10

# dit_usr_coil4_mean vs Slug




Right In: 4070.444+/-0.000 $\chi^2$/NDF: 3432818752826957399563831562952475934 72.0/14

Left Out: 3775.469+/-0.000 $\chi^2$/NDF:3446117374561161554415733115293720903 68.0/11

Right Out: 3968.723+/-0.000 $\chi^2$/NDF: 3599558803261947844673533694925948846 08.0/15

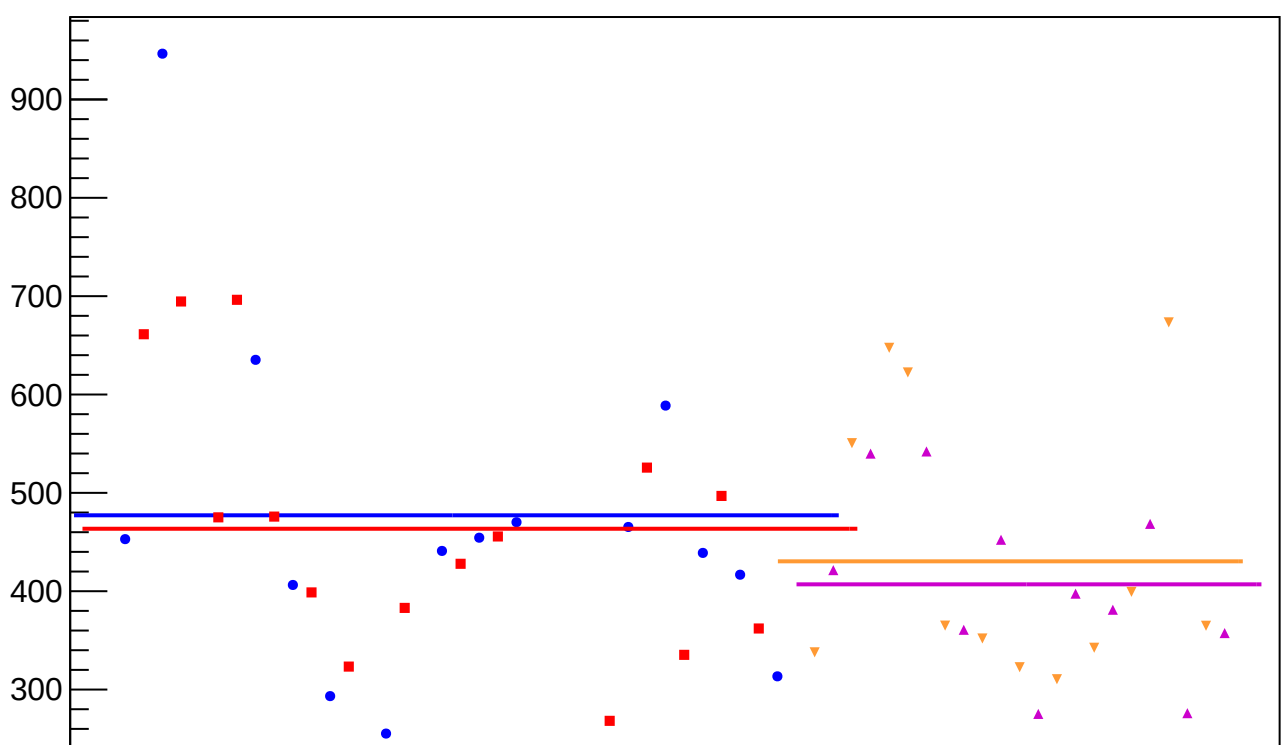
Left In: 3896.757+/-0.000 $\chi^2$/NDF:4125307145846937302251302040143533178 88.0/10

+ sign 3897.950+/-0.000 $\chi^2$/NDF: 7209154986710 8

All: 3912.568+/-0.000 $\chi^2$/NDF: 1496070330 2

- sign 3926.928+/-0.000 $\chi^2$/NDF: 7744927899095 2

# dit_usr_coil4_err_mean vs Slug




Right In: 477.186+/-0.000 $\chi^2$/NDF: 204557199317583799788926051849747824 64.0/14

Left Out: 430.385+/-0.000 $\chi^2$/NDF:1512486318706351591677550060216778752 0.0/11

Right Out: 463.513+/-0.000 $\chi^2$/NDF: 1255677793106990337003183238818457190 4.0/15

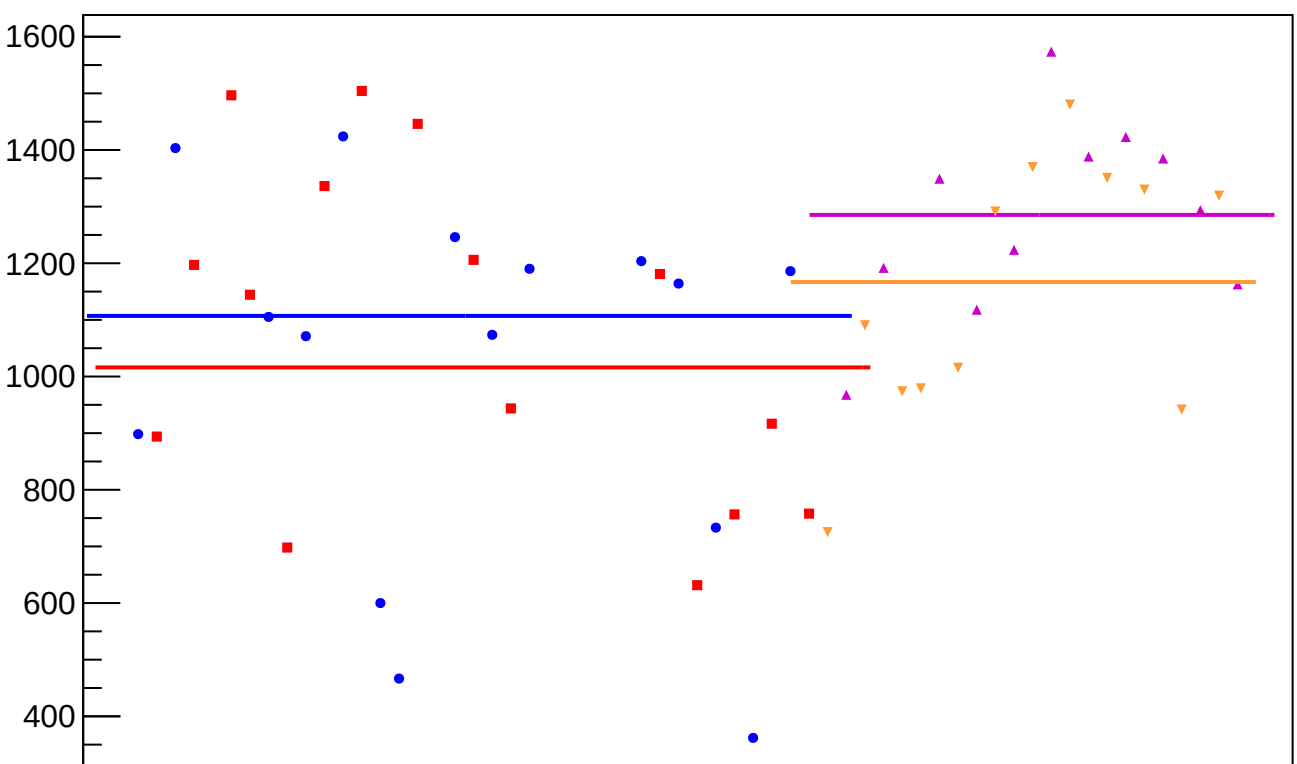
Left In: 406.990+/-0.000 $\chi^2$/NDF:7014219134688394471330081136711827456.0/10

+ sign 449.818+/-0.000 $\chi^2$/NDF: 36411863935895 3

All: 440.167+/-0.000 $\chi^2$/NDF: 5750904412 02

- sign 430.686+/-0.000 $\chi^2$/NDF: 20808578063508 0

# dit_usr_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

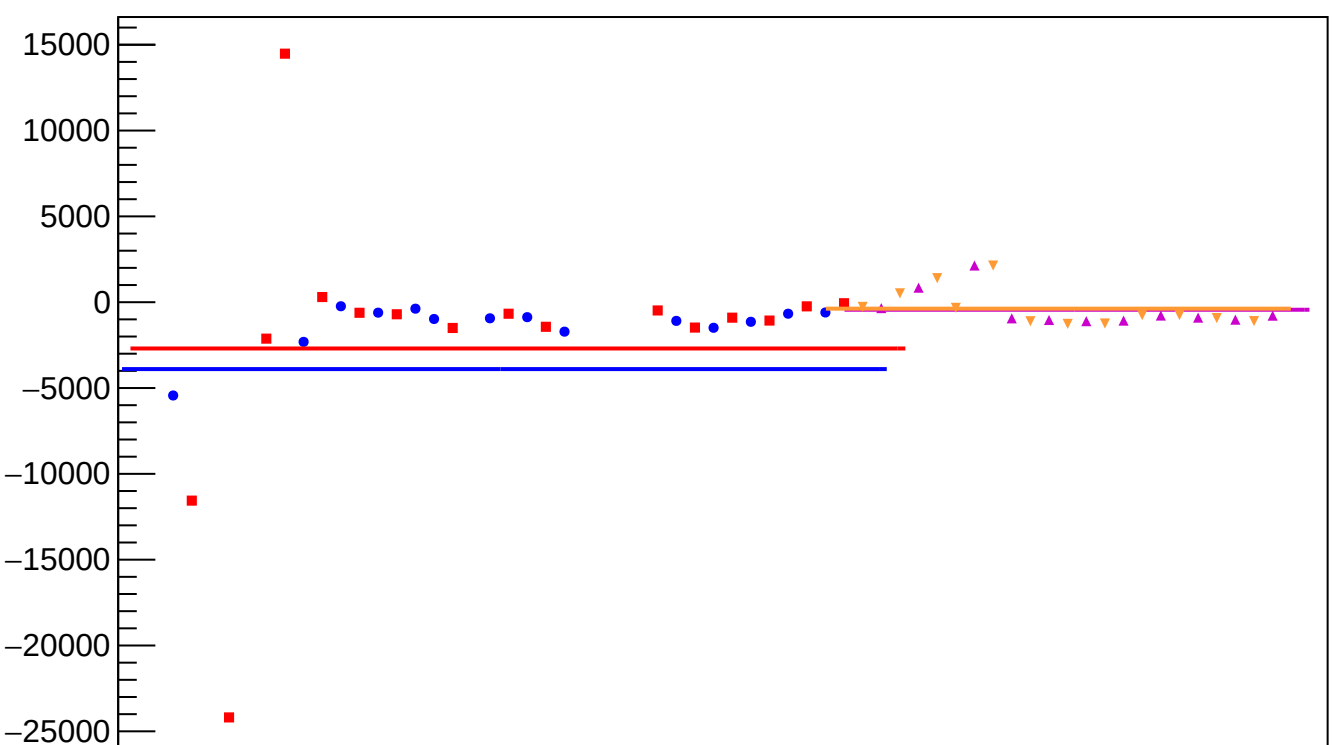
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

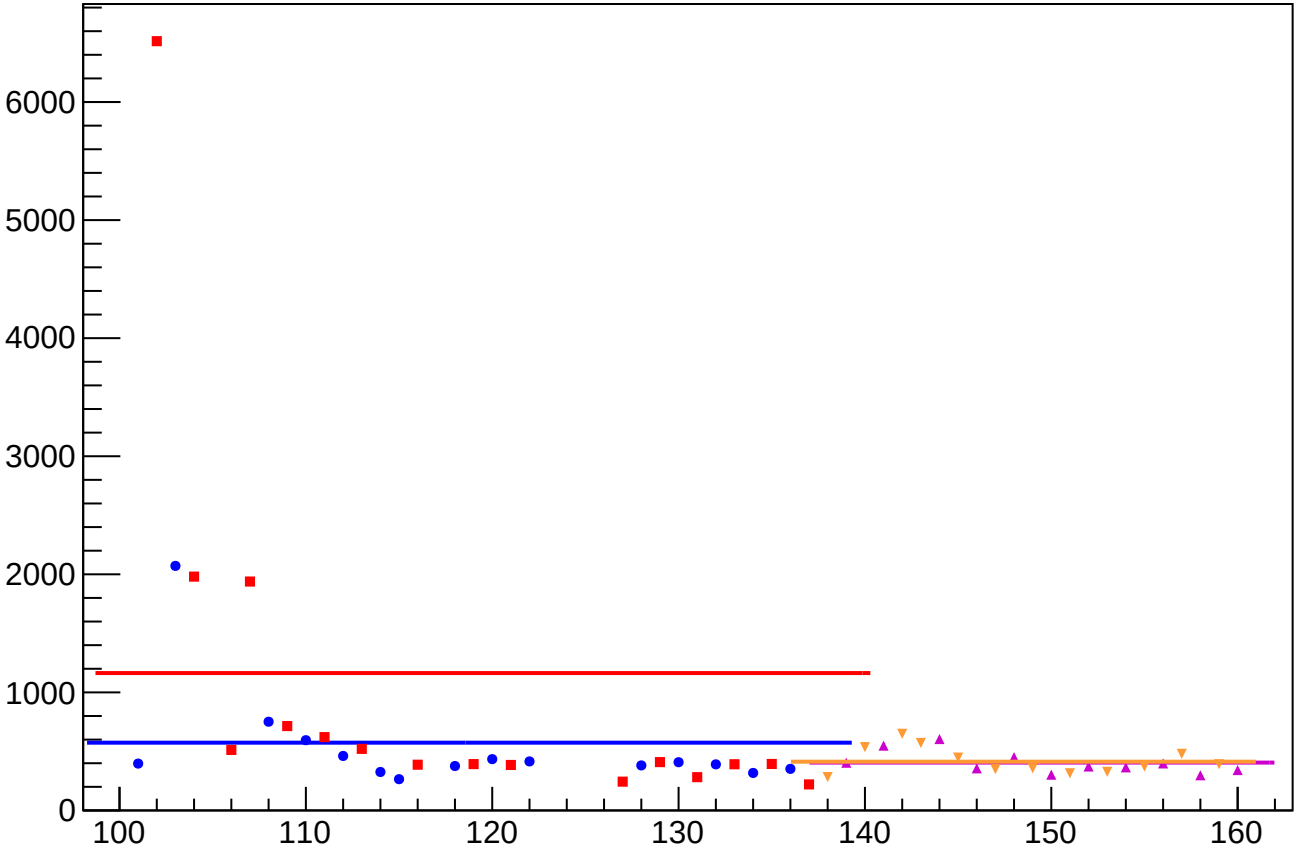
- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5

# dit_atl1_coil4_mean vs Slug




Right In: -3896.522+/-0.000 $\chi^2$/NDF: 396185985164810204482484406700129847869 44.0/14
+ sign -1837.483+/-0.000 $\chi^2$/NDF: 4528252222957
Left Out: -375.430+/-0.000 $\chi^2$/NDF:958630071854954411455962799285737619456.0/11
All: -1609.422+/-0.000 $\chi^2$/NDF: 8915994509
Right Out: -2695.992+/-0.000 $\chi^2$/NDF: 408224630714623521242120583865917295820 80.0/15
- sign -1385.374+/-0.000 $\chi^2$/NDF: 4371626422274
Left In: -439.289+/-0.000 $\chi^2$/NDF:921031566733723872829454078558930468864.0/10

# dit_atl1_coil4_err_mean vs Slug




Right In: 574.055+/-0.000 $\chi^2$/NDF: 1521052298891604230184937095823905259 52.0/14

+ sign 479.885+/-0.000 $\chi^2$/NDF: 171327208770113

Left Out: 413.017+/-0.000 $\chi^2$/NDF:937979680238570400350831723874877440 0.0/11

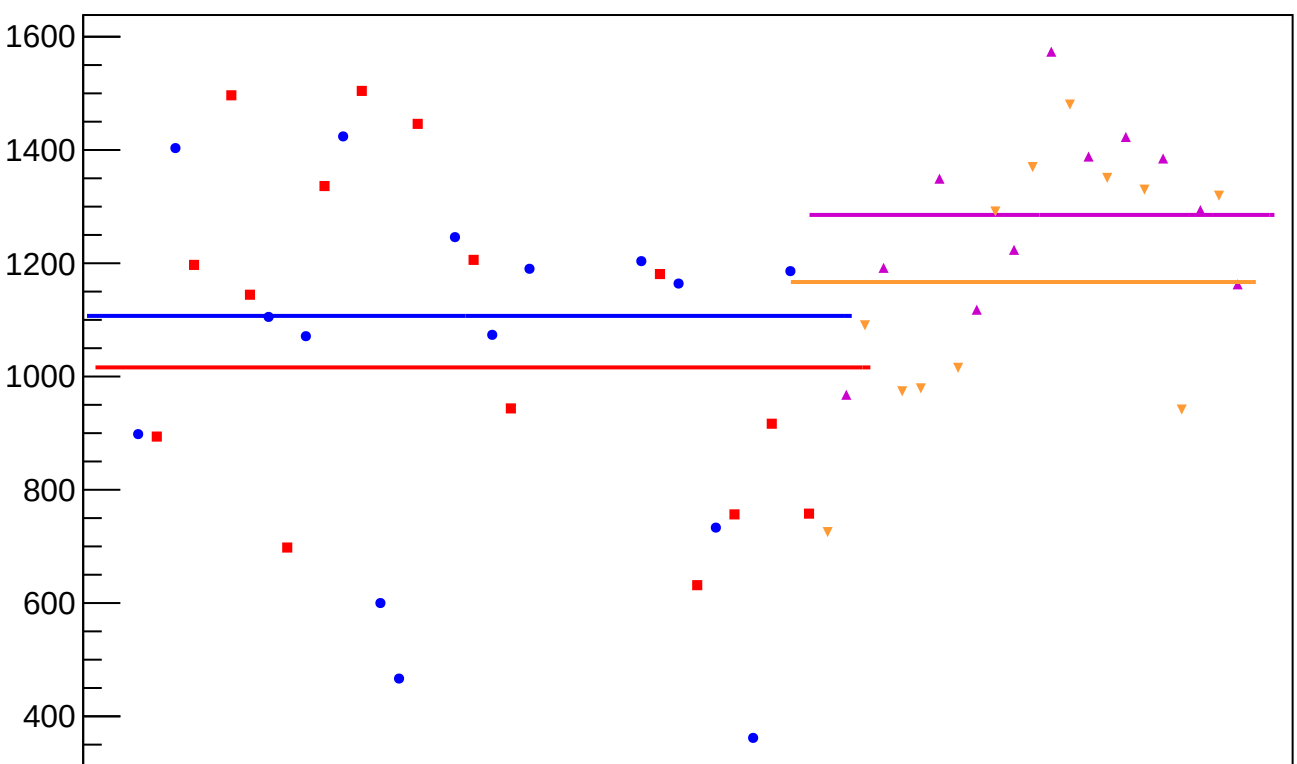
All: 602.666+/-0.000 $\chi^2$/NDF: 24520895778 5

Right Out: 1163.697+/-0.000 $\chi^2$/NDF: 200319439647546533719015478751518313 6768.0/15

- sign 723.286+/-0.000 $\chi^2$/NDF: 223405186584258

Left In: 405.371+/-0.000 $\chi^2$/NDF:809637404511790653534348357749492940 8.0/10

# dit_atl1_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

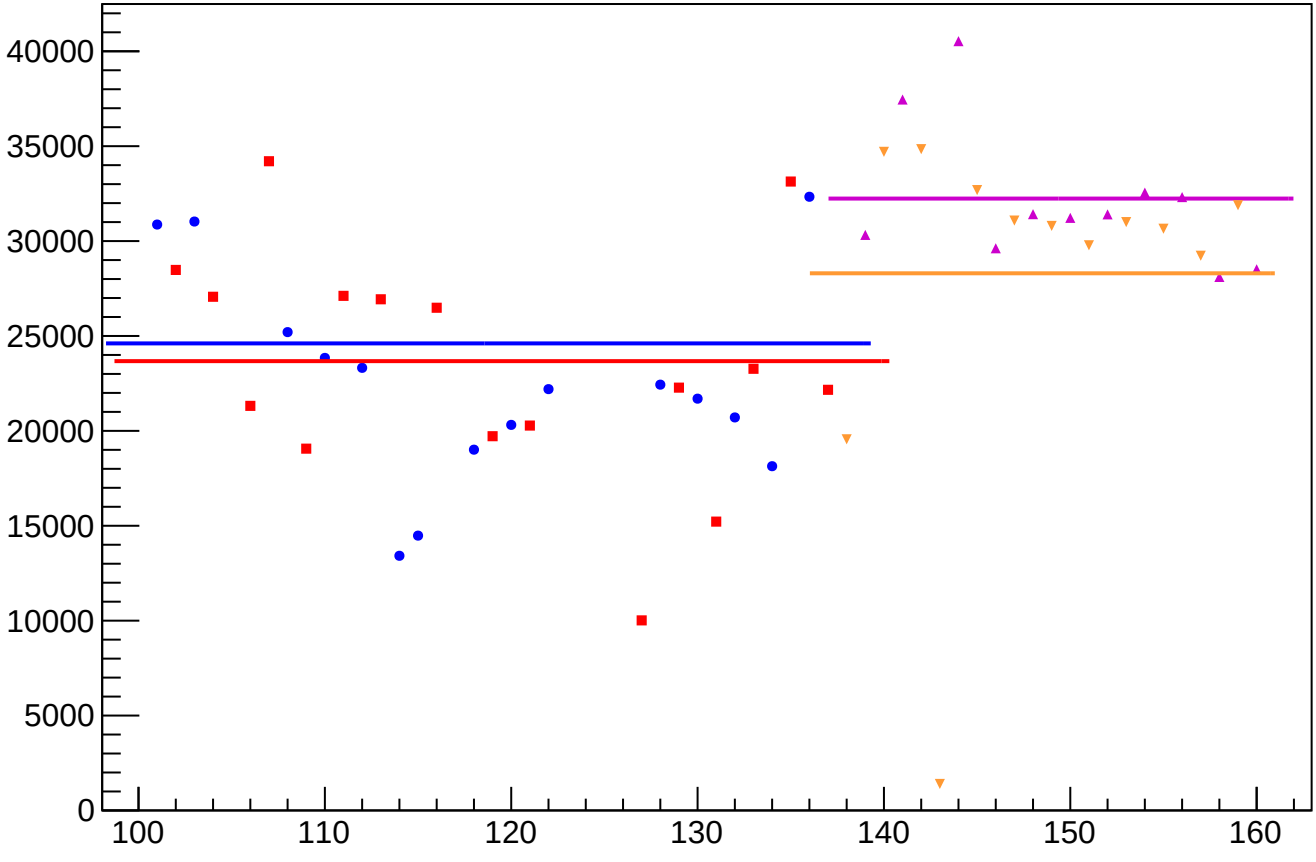
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5

# dit_atl2_coil4_mean vs Slug




Right In: 24608.761+/-0.000 $\chi^2$/NDF: 1755560042714070178763675908416726892544 0.0/14

Left Out: 28302.359+/-0.000 $\chi^2$/NDF:6474396057652607314785278932682393465651 2.0/11

Right Out: 23673.937+/-0.000 $\chi^2$/NDF: 2482422934482756731362487167729534186291 2.0/15

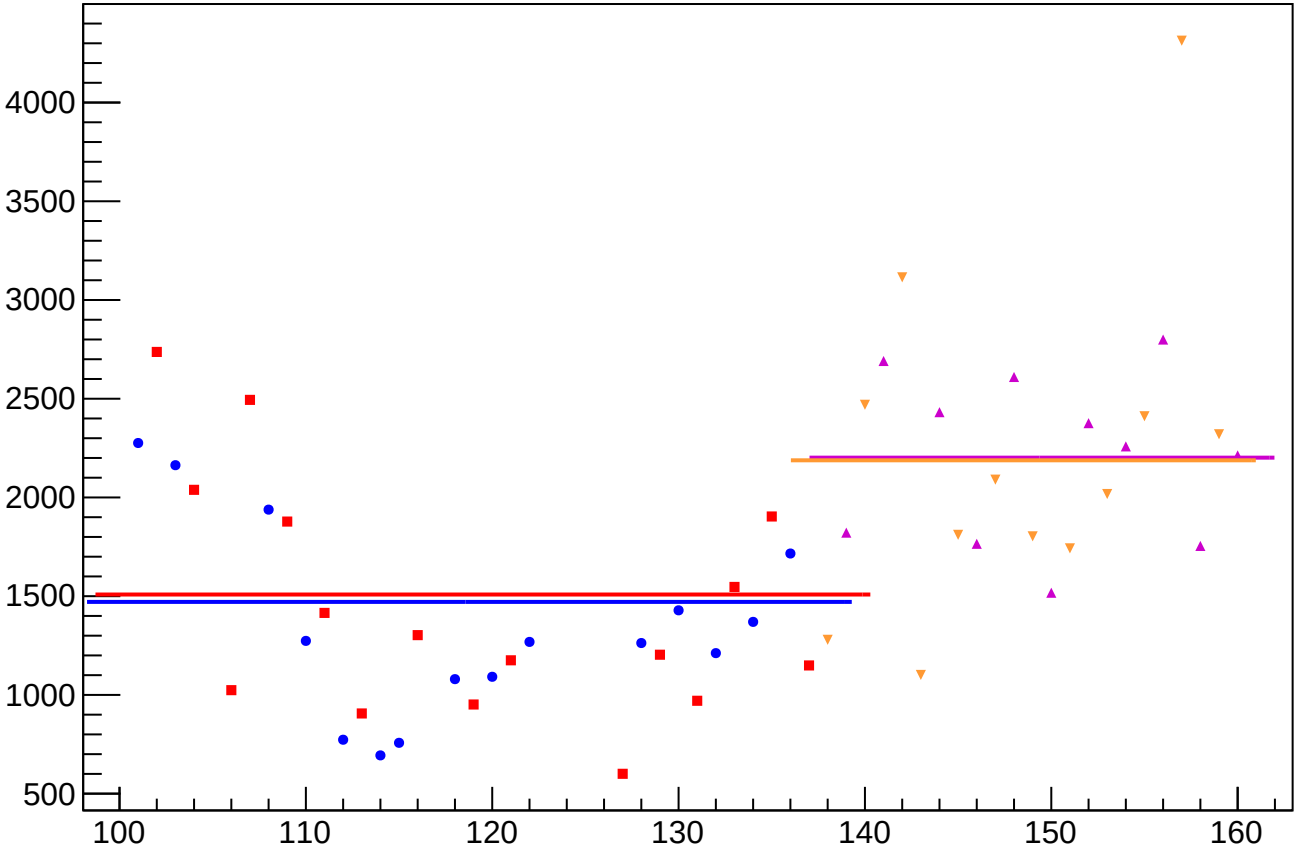
Left In: 32239.303+/-0.000 $\chi^2$/NDF:1193139787566317714281282999880354103296 0.0/10

+ sign 26768.677+/-0.000 $\chi^2$/NDF: 8747719496851

All: 27716.891+/-0.000 $\chi^2$/NDF: 1554384105

- sign 28648.418+/-0.000 $\chi^2$/NDF: 6517533016953

# dit_atl2_coil4_err_mean vs Slug




Right In: 1471.095+/-0.000 $\chi^2$/NDF: 139174979420467841073894167956452016128.0/14

Left Out: 2188.131+/-0.000 $\chi^2$/NDF:5938585160905351867022075216408241766 40.0/11

Right Out: 1508.451+/-0.000 $\chi^2$/NDF: 250085163770425050605763446985715613696.0/15

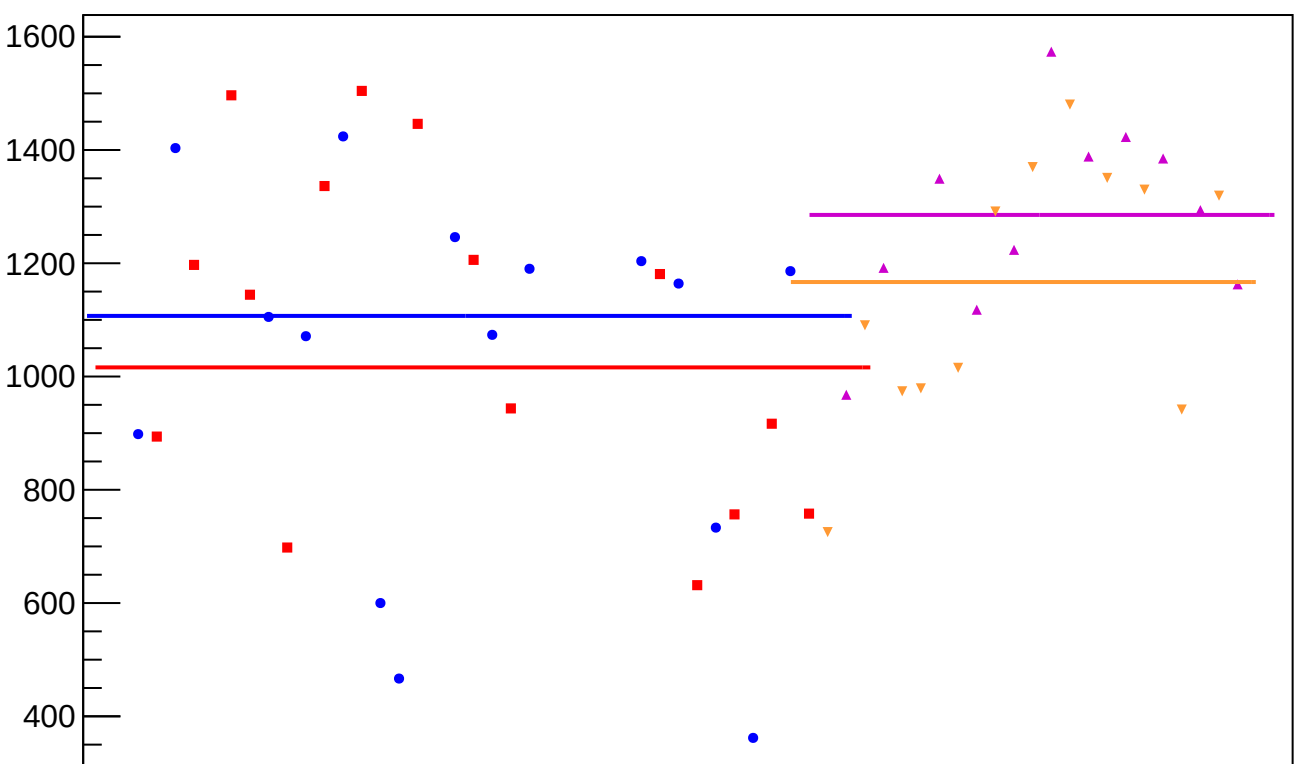
Left In: 2201.571+/-0.000 $\chi^2$/NDF:156929124179690930619030229097962799104.0/10

+ sign 1890.398+/-0.000 $\chi^2$/NDF: 9281589423830 4

All: 1900.786+/-0.000 $\chi^2$/NDF: 1521607045 3

- sign 1910.992+/-0.000 $\chi^2$/NDF: 59311371544144

# dit_atl2_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

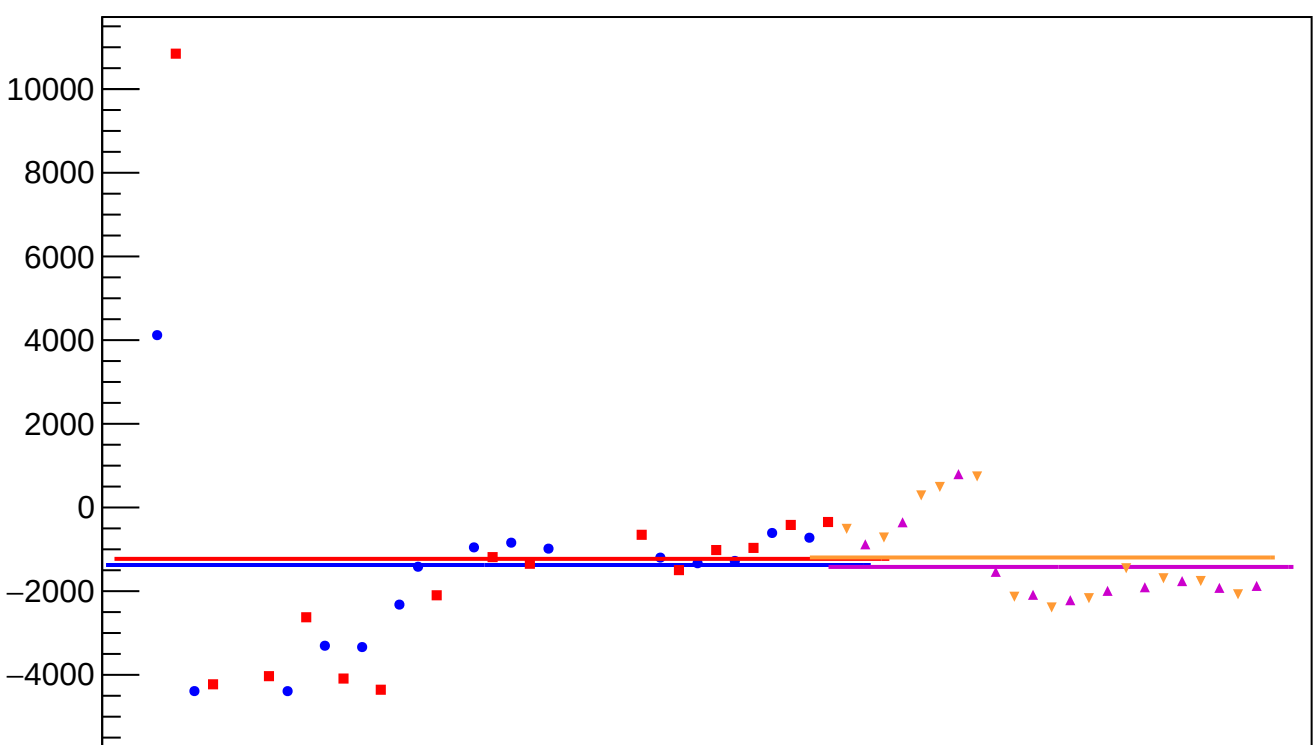
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

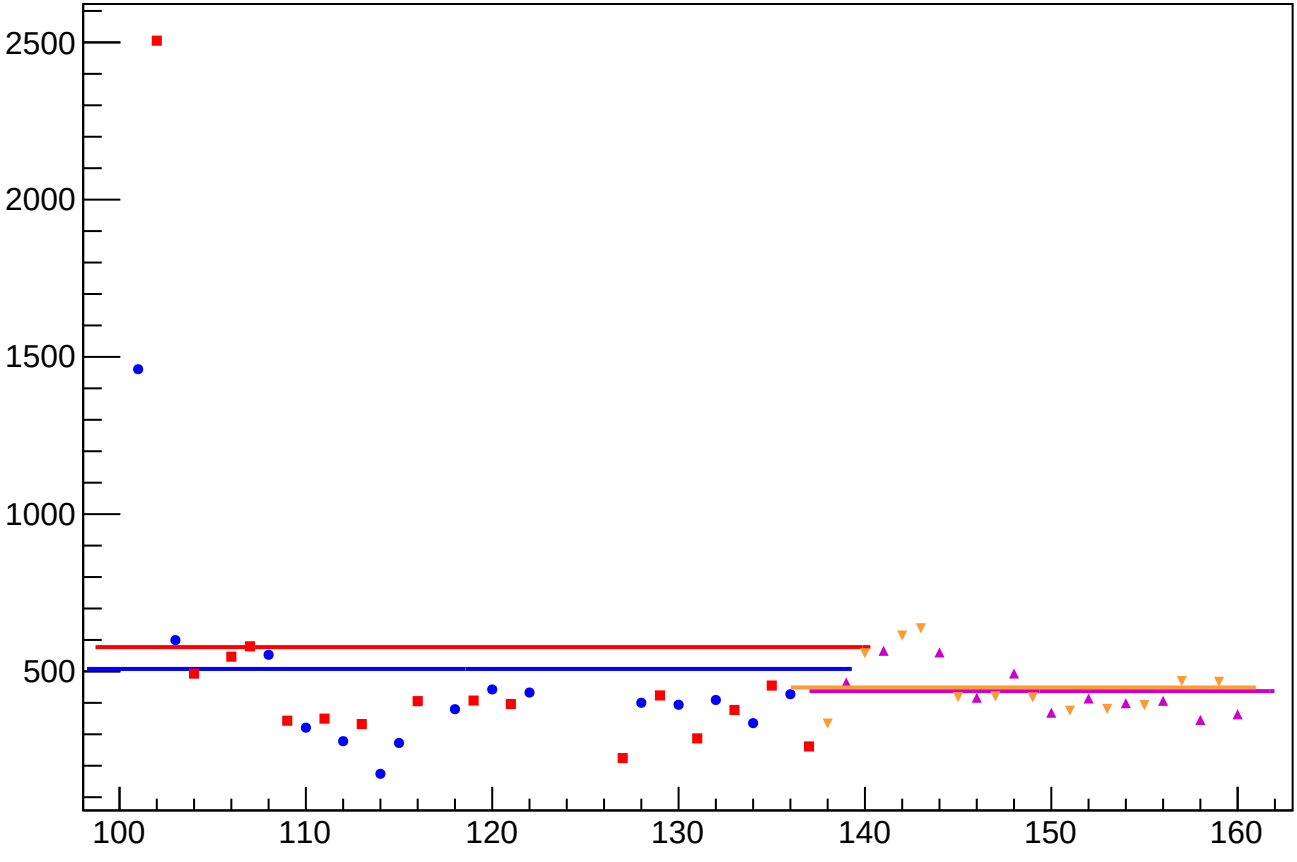
- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5

# dit_atr1_coil4_mean vs Slug




Right In: -1374.510+/-0.000 $\chi^2$/NDF: 3072775774026573120755024580495322120192.0/14
+ sign -1269.525+/-0.000 $\chi^2$/NDF: 4097990392534
Left Out: -1194.978+/-0.000 $\chi^2$/NDF:10129821643437356447212965830585934151 68.0/11
All: -1305.037+/-0.000 $\chi^2$/NDF: 1597961645
Right Out: -1227.879+/-0.000 $\chi^2$/NDF: 111153129999266233964664502184486224527 36.0/15
- sign -1339.925+/-0.000 $\chi^2$/NDF: 1187771840458 3
Left In: -1420.806+/-0.000 $\chi^2$/NDF:74798708578592016263791693221736113766 4.0/10

# dit_atr1_coil4_err_mean vs Slug




Right In: 507.809+/-0.000 $\chi^2$/NDF: 641399279684440545968596134682207191 04.0/14

Left Out: 448.905+/-0.000 $\chi^2$/NDF:69724449690417259297441114941481287 68.0/11

Right Out: 577.250+/-0.000 $\chi^2$/NDF: 241288780642623391683958641535574081536.0/15

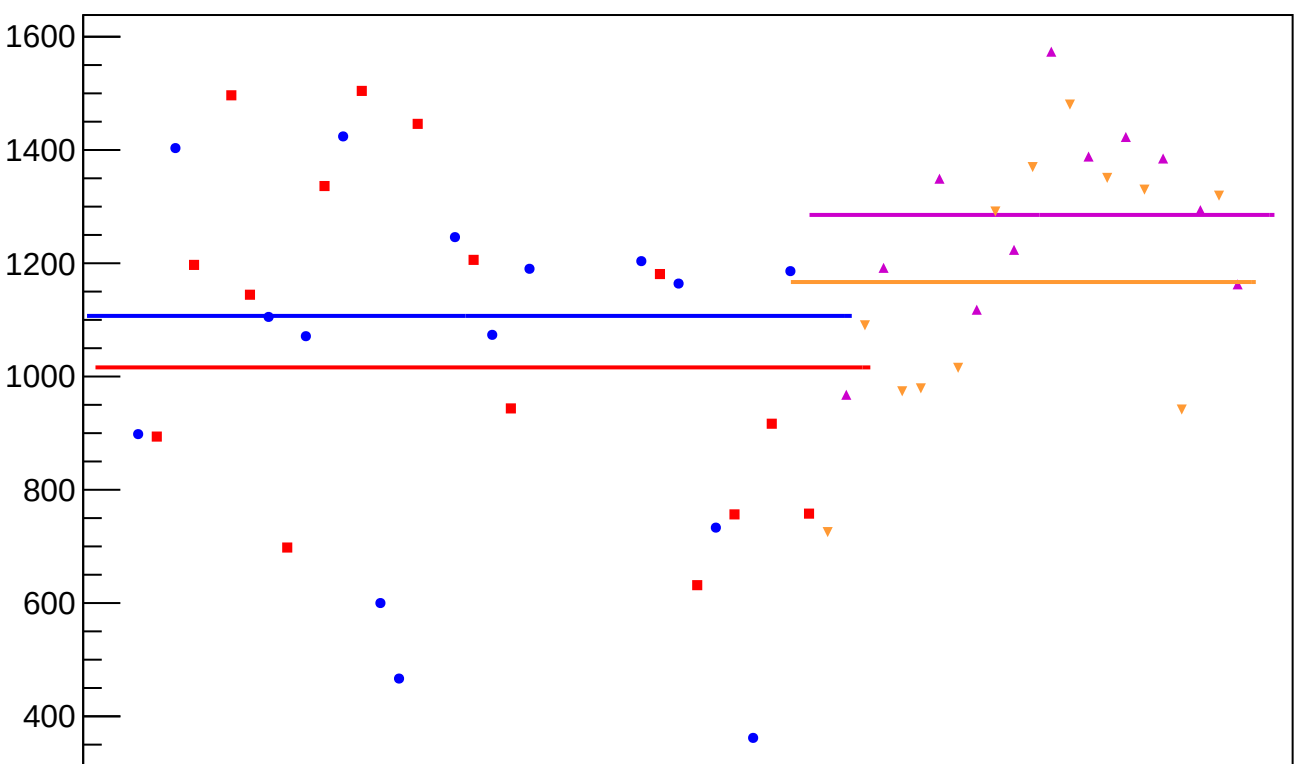
Left In: 437.315+/-0.000 $\chi^2$/NDF:48746775249687422755607612939860705 28.0/10

+ sign 473.363+/-0.000 $\chi^2$/NDF: 724292062329366

All: 484.772+/-0.000 $\chi^2$/NDF: 32658142352 7

- sign 495.981+/-0.000 $\chi^2$/NDF: 253748895345900

# dit_atr1_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

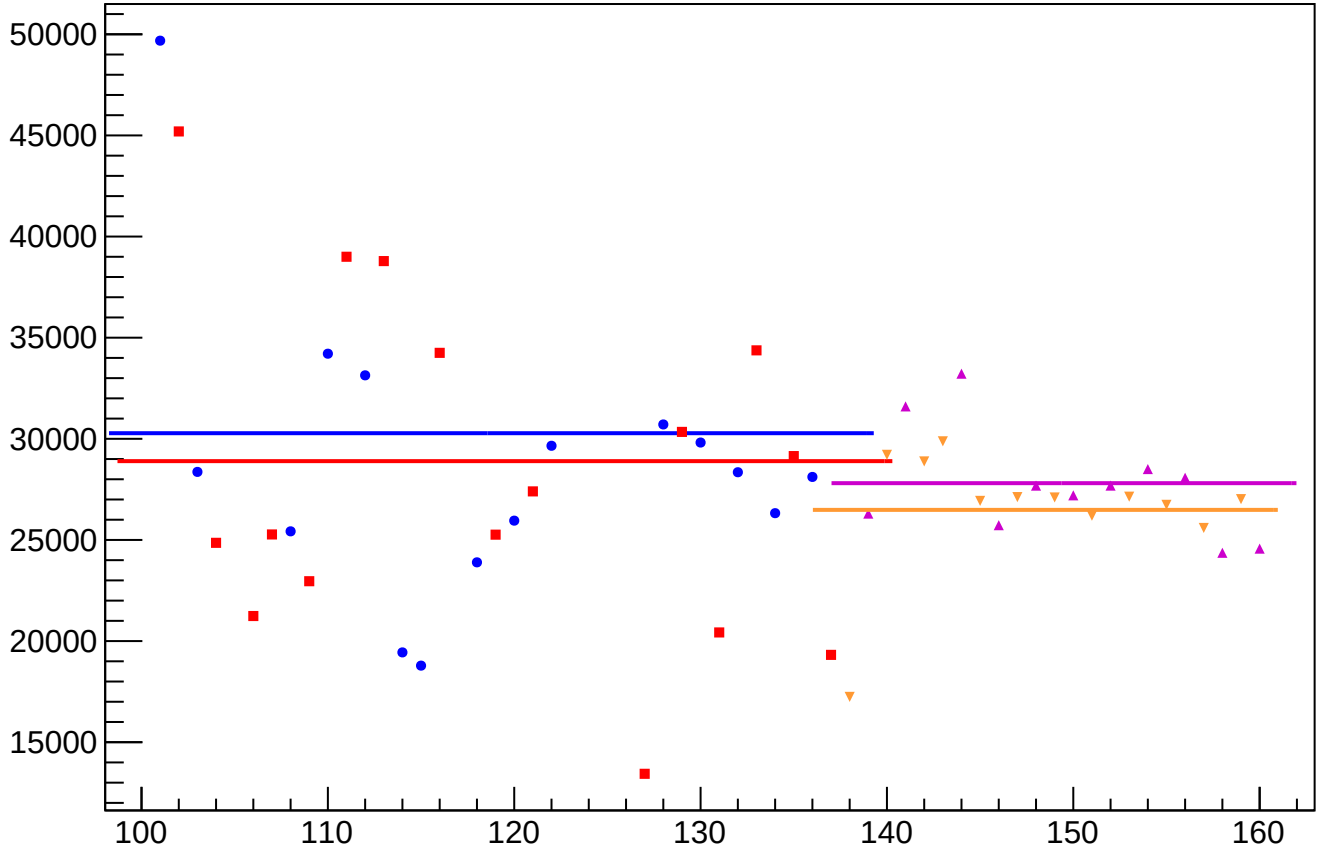
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

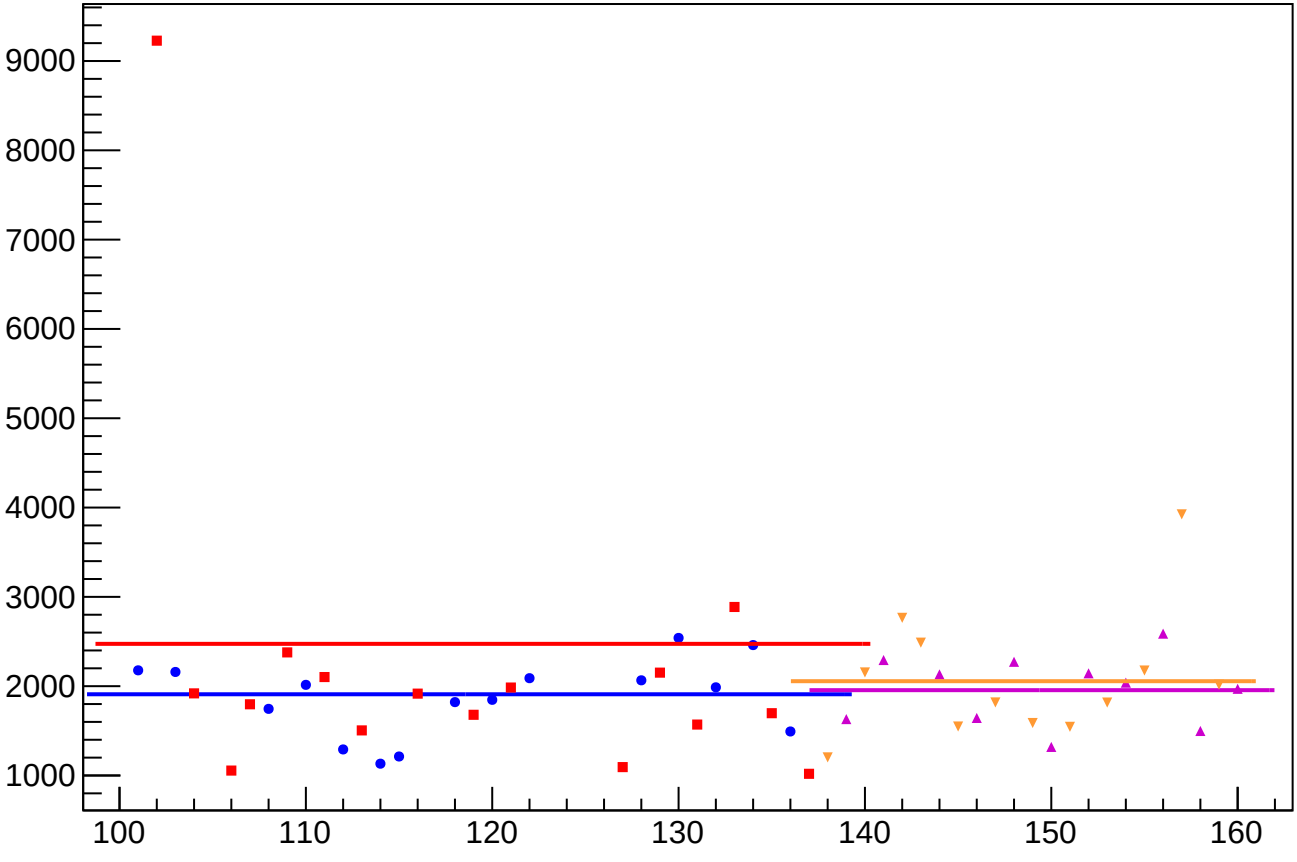
- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5

# dit_atr2_coil4_mean vs Slug



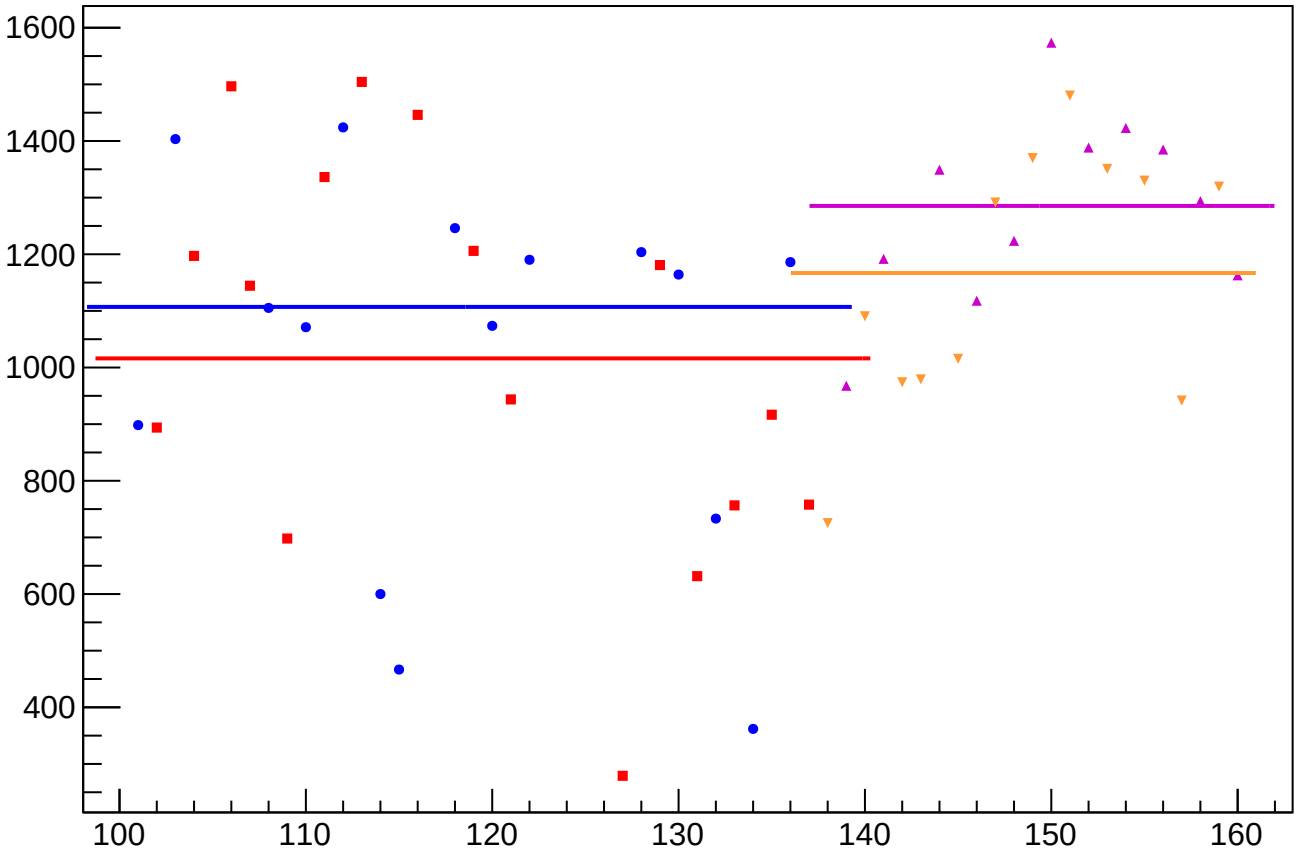

Right In: 30277.649+/-0.000 $\chi^2$/NDF: 309759746415241424530900225407605192785 92.0/14
+ sign 28060.820+/-0.000 $\chi^2$/NDF: 4495105358177
Left Out: 26486.725+/-0.000 $\chi^2$/NDF:852099348334098742913175071703588405248 0.0/11
All: 28163.219+/-0.000 $\chi^2$/NDF: 986055664 7
Right Out: 28896.318+/-0.000 $\chi^2$/NDF: 469695040580103591462505602284097141473 28.0/15
- sign 28263.816+/-0.000 $\chi^2$/NDF: 5362202344062
Left In: 27807.237+/-0.000 $\chi^2$/NDF:619305862021989967883513981580364218368 0.0/10

# dit_atr2_coil4_err_mean vs Slug




Right In: 1909.434+/-0.000 $\chi^2$/NDF: 876369740942116715241776501658694451 20.0/14
+ sign 1995.018+/-0.000 $\chi^2$/NDF: 5337762569447 3
Left Out: 2055.788+/-0.000 $\chi^2$/NDF:438010168588723075505721290768963862528.0/11
All: 2084.675+/-0.000 $\chi^2$/NDF: 3823708197 3
Right Out: 2473.977+/-0.000 $\chi^2$/NDF: 303390802574641812173875328660038641 2544.0/15
- sign 2172.754+/-0.000 $\chi^2$/NDF: 32650251724153
Left In: 1955.312+/-0.000 $\chi^2$/NDF:1269090523838381660352940821773476167 68.0/10

# dit_atr2_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

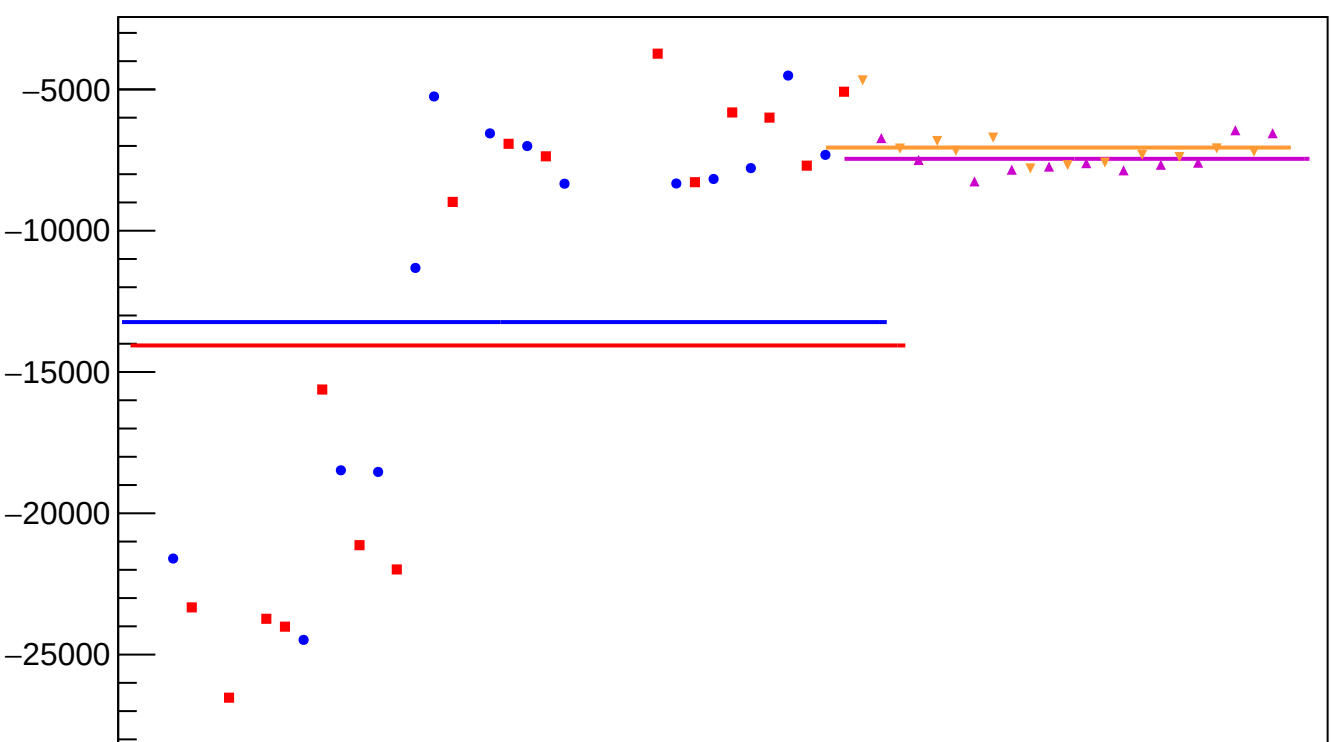
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

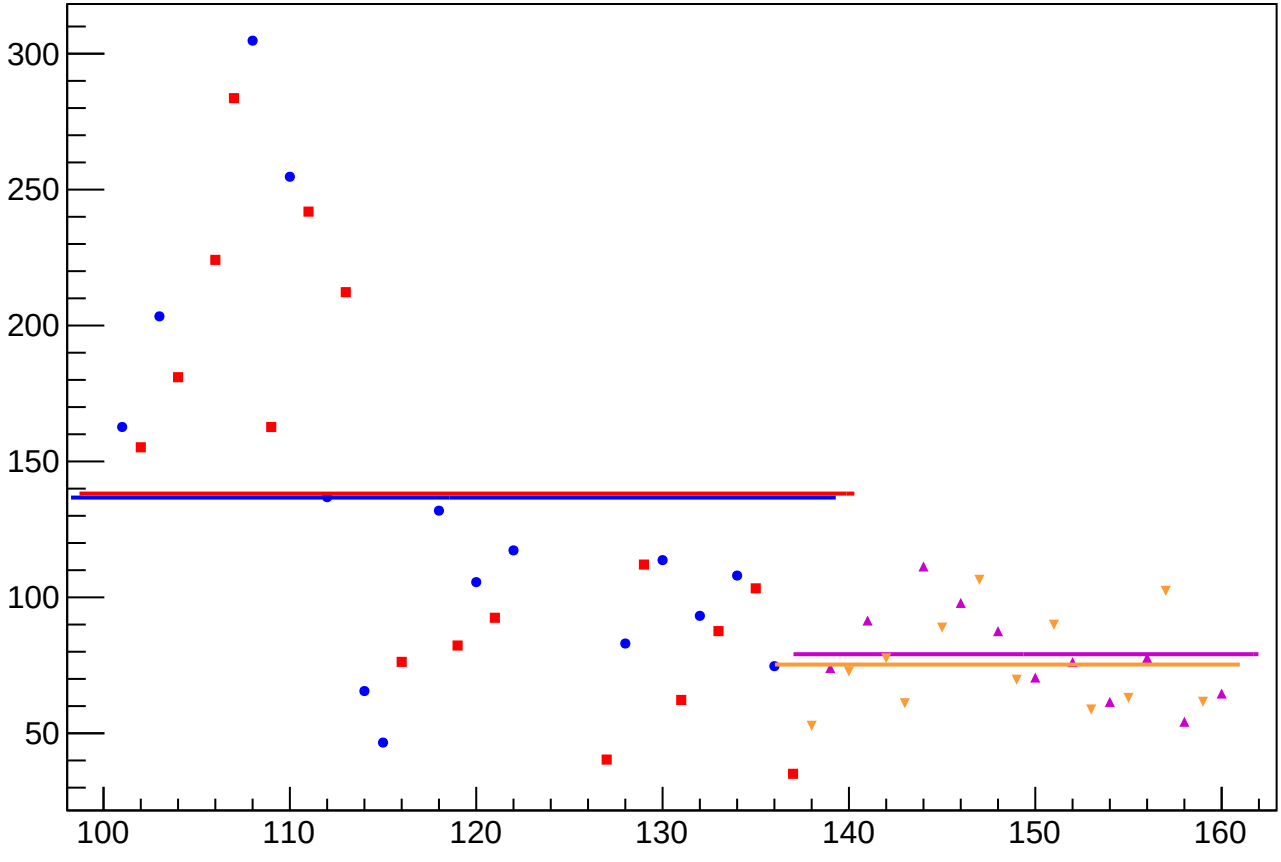
- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5

# dit_sam1_coil4_mean vs Slug




Right In: -13233.367+/-0.000 $\chi^2$/NDF: 4125704383621304336759686655949964050432 0.0/14
+ sign -9621.893+/-0.000 $\chi^2$/NDF: 5629932940229
Left Out: -7057.509+/-0.000 $\chi^2$/NDF:5670227682900268361867951185690215055 36.0/11
All: -9925.988+/-0.000 $\chi^2$/NDF: 1182552632
Right Out: -14060.103+/-0.000 $\chi^2$/NDF: 4449059475428016176640555691571138684 5184.0/15
- sign -10224.731+/-0.000 $\chi^2$/NDF: 6166940420799
Left In: -7456.124+/-0.000 $\chi^2$/NDF:2845543245897785588421294473169233510 40.0/10

# dit_sam1_coil4_err_mean vs Slug




Right In: 136.711+/-0.000 $\chi^2$/NDF: 2687065030885227126291764267456659456.0/14

+ sign 100.788+/-0.000 $\chi^2$/NDF: 439084065337808

Left Out: 75.280+/-0.000 $\chi^2$/NDF:2715652302917152582231842338373632 00.0/11

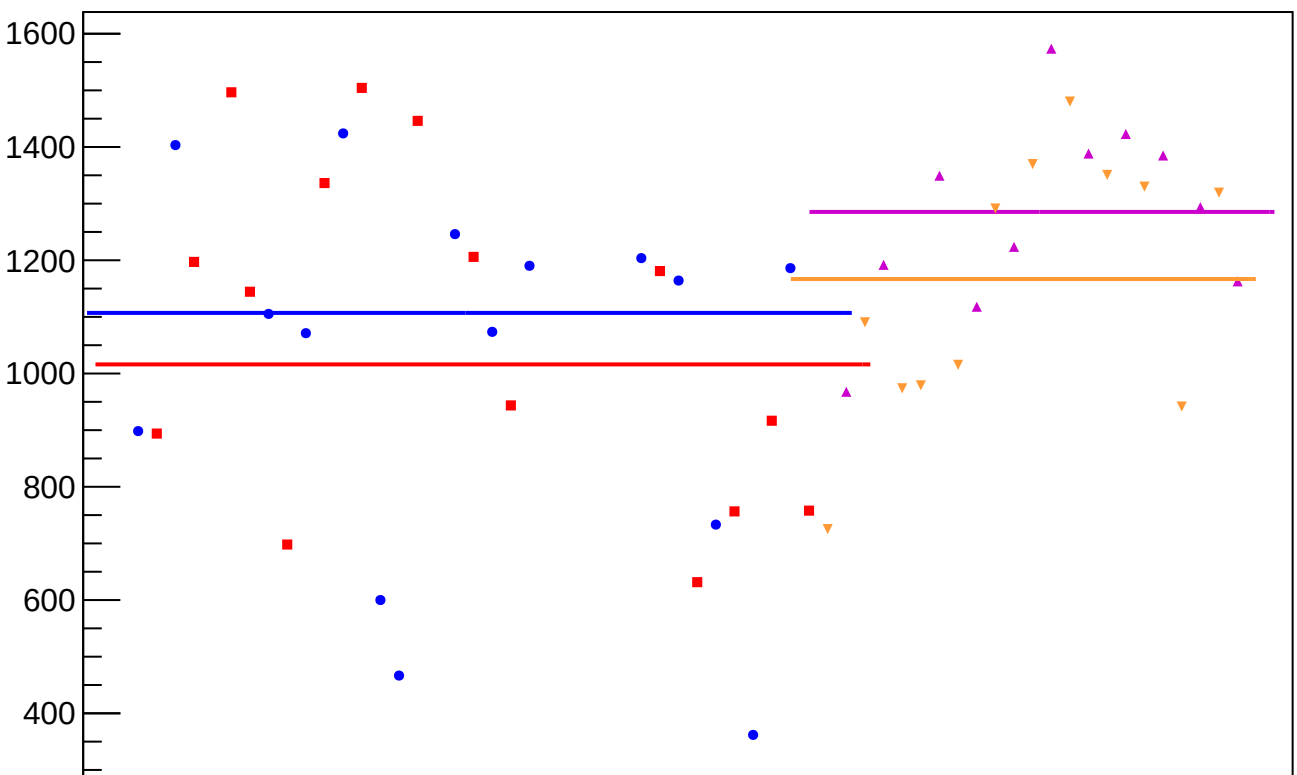
All: 102.340+/-0.000 $\chi^2$/NDF: 92254045368 5

Right Out: 138.179+/-0.000 $\chi^2$/NDF: 323088335287863633464161356189846 7328.0/15

- sign 103.866+/-0.000 $\chi^2$/NDF: 482709269231347

Left In: 79.096+/-0.000 $\chi^2$/NDF:2439753422181147683262707808096747 52.0/10

# dit_sam1_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

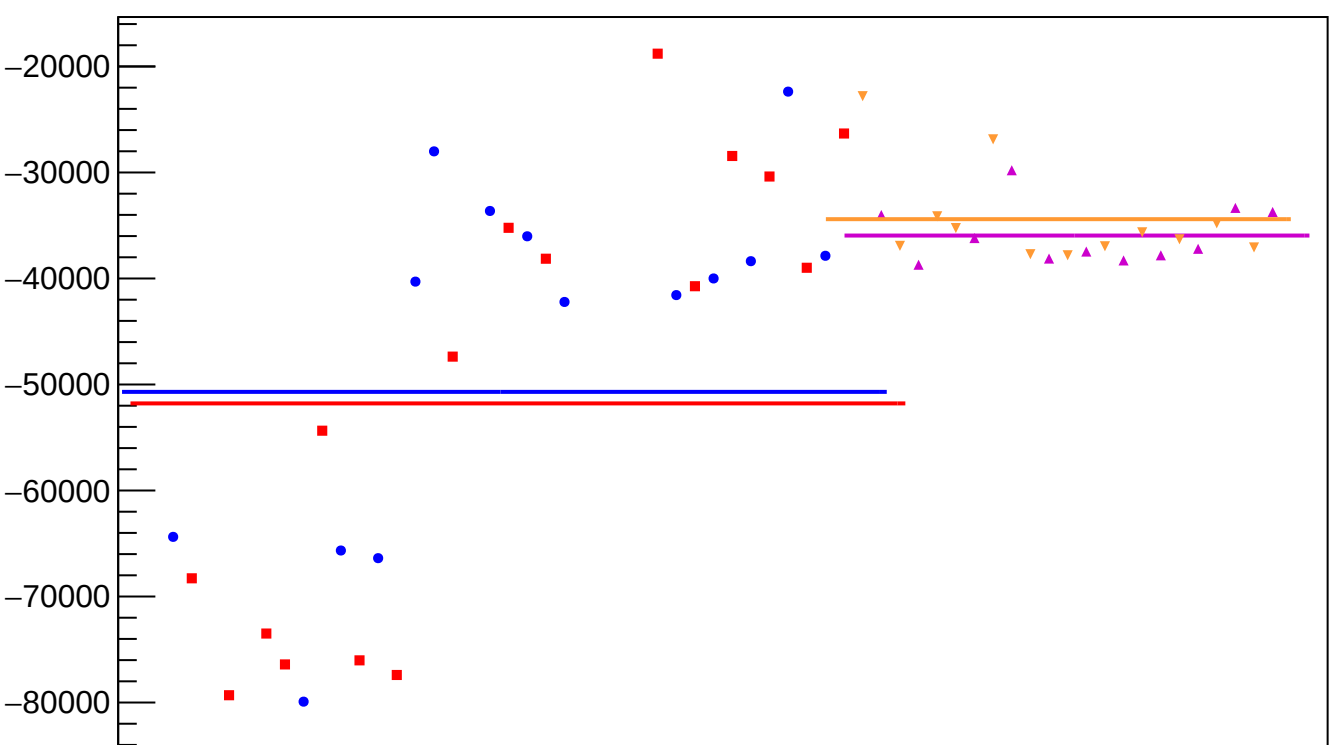
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5

# dit_sam2_coil4_mean vs Slug




Right In: -50695.424+/-0.000 $\chi^2$/NDF: 226613585253908576683077761132188355526656.0/14

Left Out: -34404.656+/-0.000 $\chi^2$/NDF:188200072264428982560548394498558200381 44.0/11

Right Out: -51783.912+/-0.000 $\chi^2$/NDF: 281789617729131996271154198472617478848512.0/15

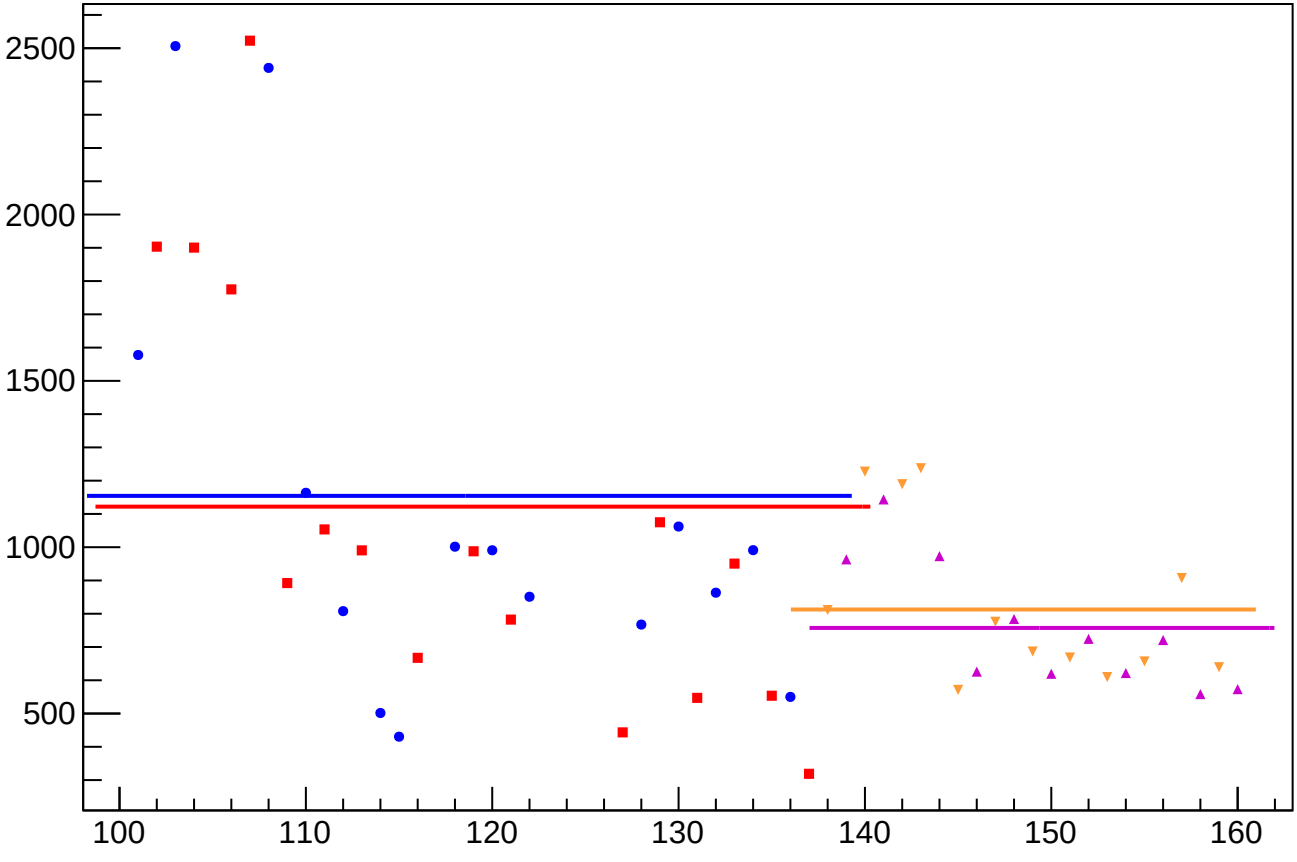
Left In: -35949.660+/-0.000 $\chi^2$/NDF:653577780615223244181583213059669963571 2.0/10

+ sign -41169.025+/-0.000 $\chi^2$/NDF: 346153436808

All: -41884.763+/-0.000 $\chi^2$/NDF: 733189271

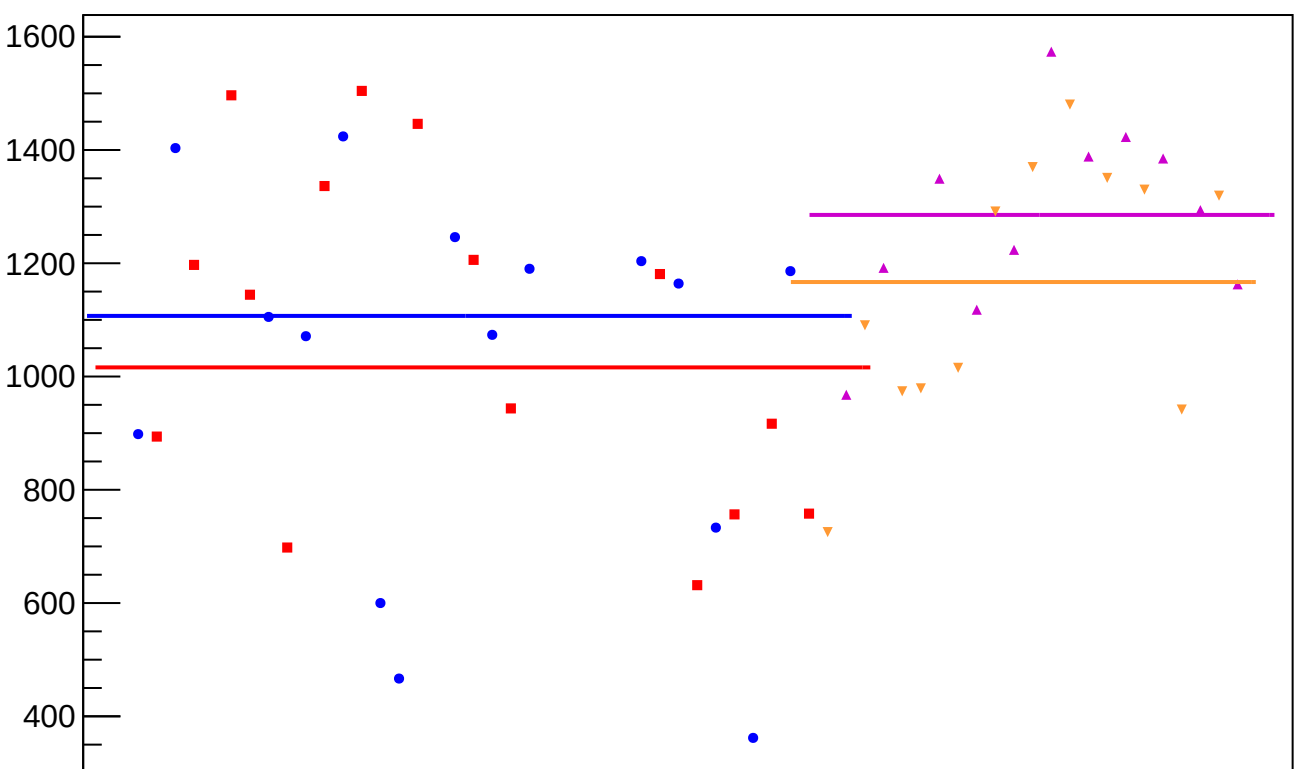
- sign -42587.904+/-0.000 $\chi^2$/NDF: 3854485377902

# dit_sam2_coil4_err_mean vs Slug




Right In: 1154.331+/-0.000 $\chi^2$/NDF: 2492704725634707032327379103946637312 00.0/14
+ sign 954.594+/-0.000 $\chi^2$/NDF: 342415954696427
Left Out: 812.768+/-0.000 $\chi^2$/NDF:4886915095318783431292348301574982860 8.0/11
All: 932.198+/-0.000 $\chi^2$/NDF: 65265633909 9
Right Out: 1121.934+/-0.000 $\chi^2$/NDF: 2261593356395673381798116440027976171 52.0/15
- sign 910.195+/-0.000 $\chi^2$/NDF: 308686161162215
Left In: 757.349+/-0.000 $\chi^2$/NDF:3103655749085336217336361224182851174 4.0/10

# dit_sam2_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

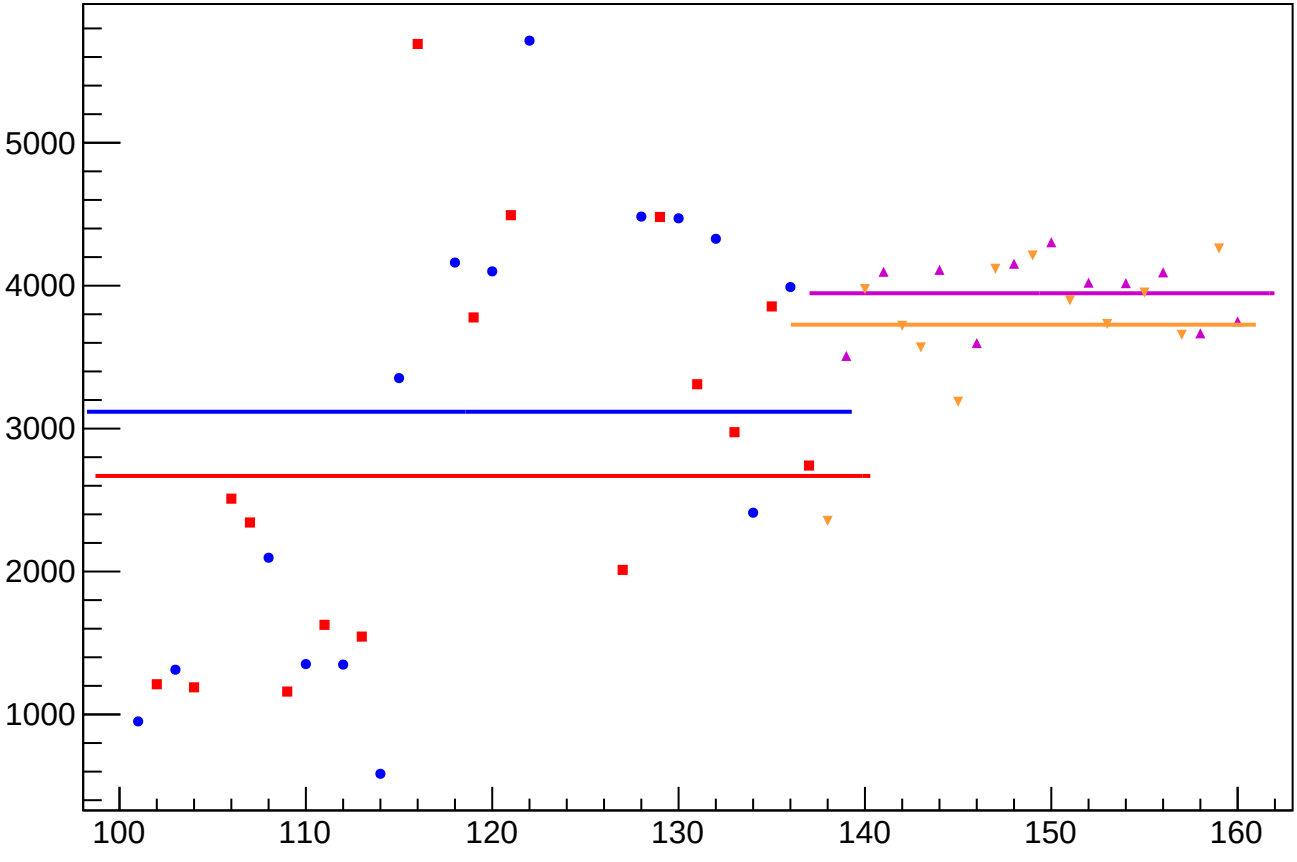
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5

# dit_sam3_coil4_mean vs Slug




Right In: 3117.914+/-0.000 $\chi^2$/NDF: 1552738593335565674554918493159210090496.0/14

+ sign 3474.146+/-0.000 $\chi^2$/NDF: 19310560227592

Left Out: 3727.095+/-0.000 $\chi^2$/NDF:2374776785615428602928258343291857 14176.0/11

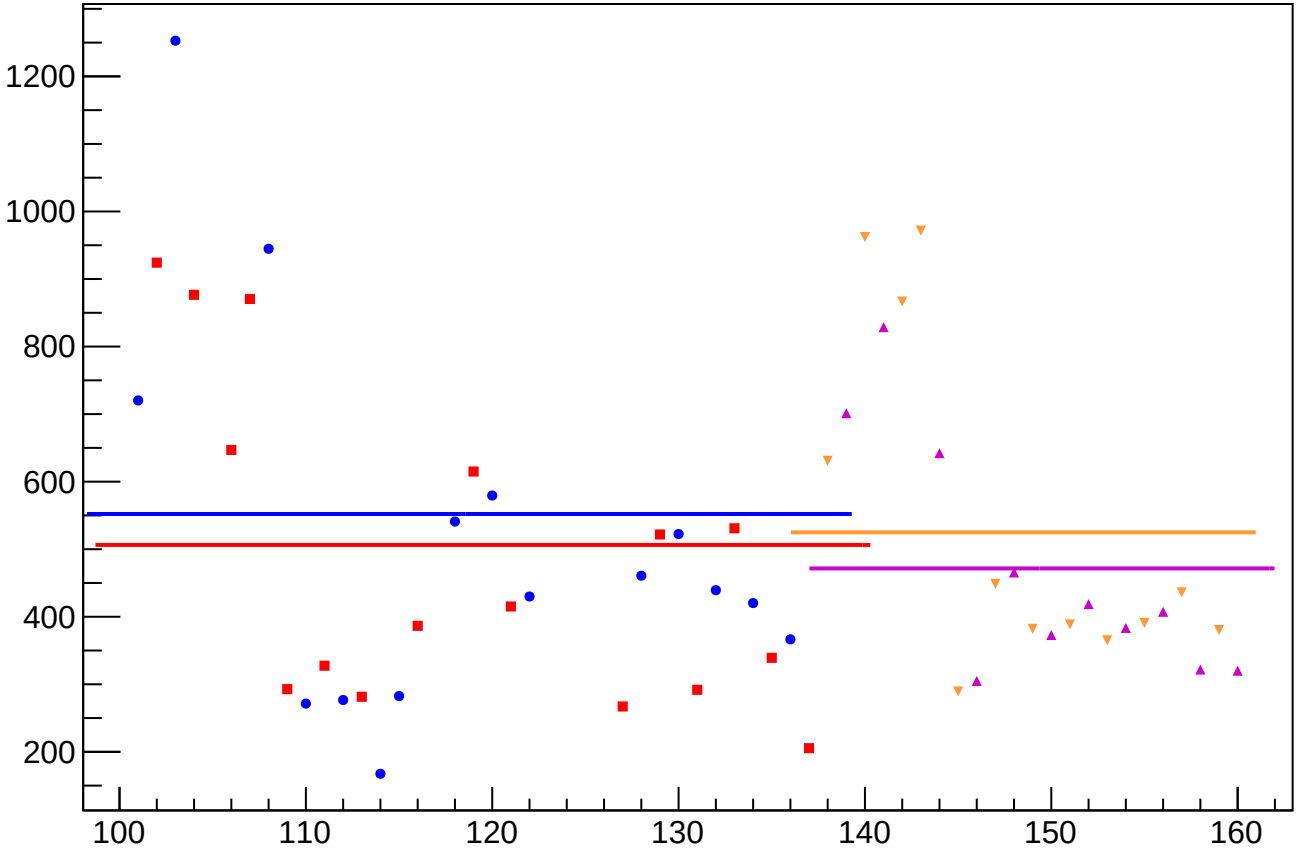
All: 3442.374+/-0.000 $\chi^2$/NDF: 3760490456 8

Right Out: 2668.794+/-0.000 $\chi^2$/NDF: 113640628613109859600005442213125711 4624.0/15

- sign 3411.160+/-0.000 $\chi^2$/NDF: 18263065086829

Left In: 3947.046+/-0.000 $\chi^2$/NDF:5696366101885905707081209513447207 7312.0/10

# dit_sam3_coil4_err_mean vs Slug




Right In: 552.108+/-0.000 $\chi^2$/NDF: 507390417411591198485239882360018698 24.0/14

+ sign 536.247+/-0.000 $\chi^2$/NDF: 1001388645734 36

Left Out: 524.984+/-0.000 $\chi^2$/NDF:4912061241363837008806236103609679872 0.0/11

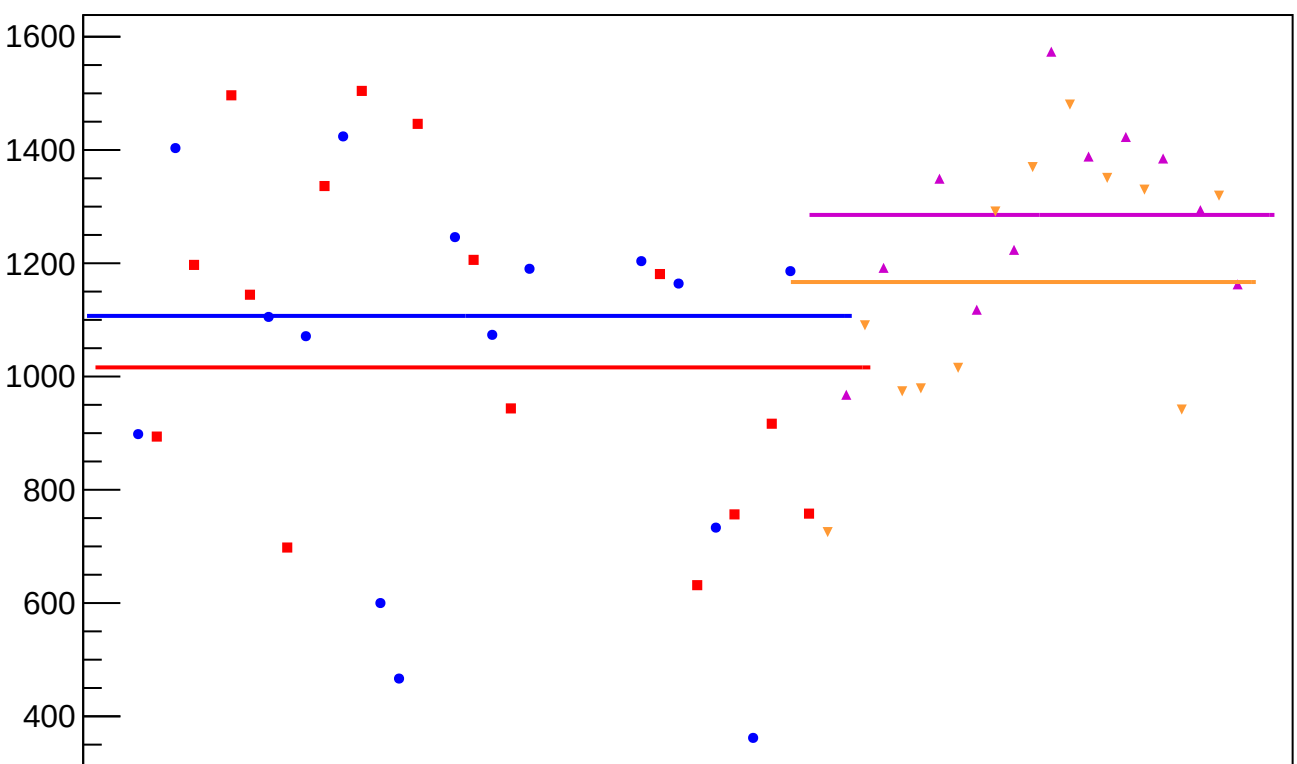
All: 510.967+/-0.000 $\chi^2$/NDF: 16545089304 3

Right Out: 506.345+/-0.000 $\chi^2$/NDF: 37181653297314883501659131806010572800.0/15

- sign 486.131+/-0.000 $\chi^2$/NDF: 633318102977421

Left In: 471.540+/-0.000 $\chi^2$/NDF:2568088447782771591494420536636316057 6.0/10

# dit_sam3_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

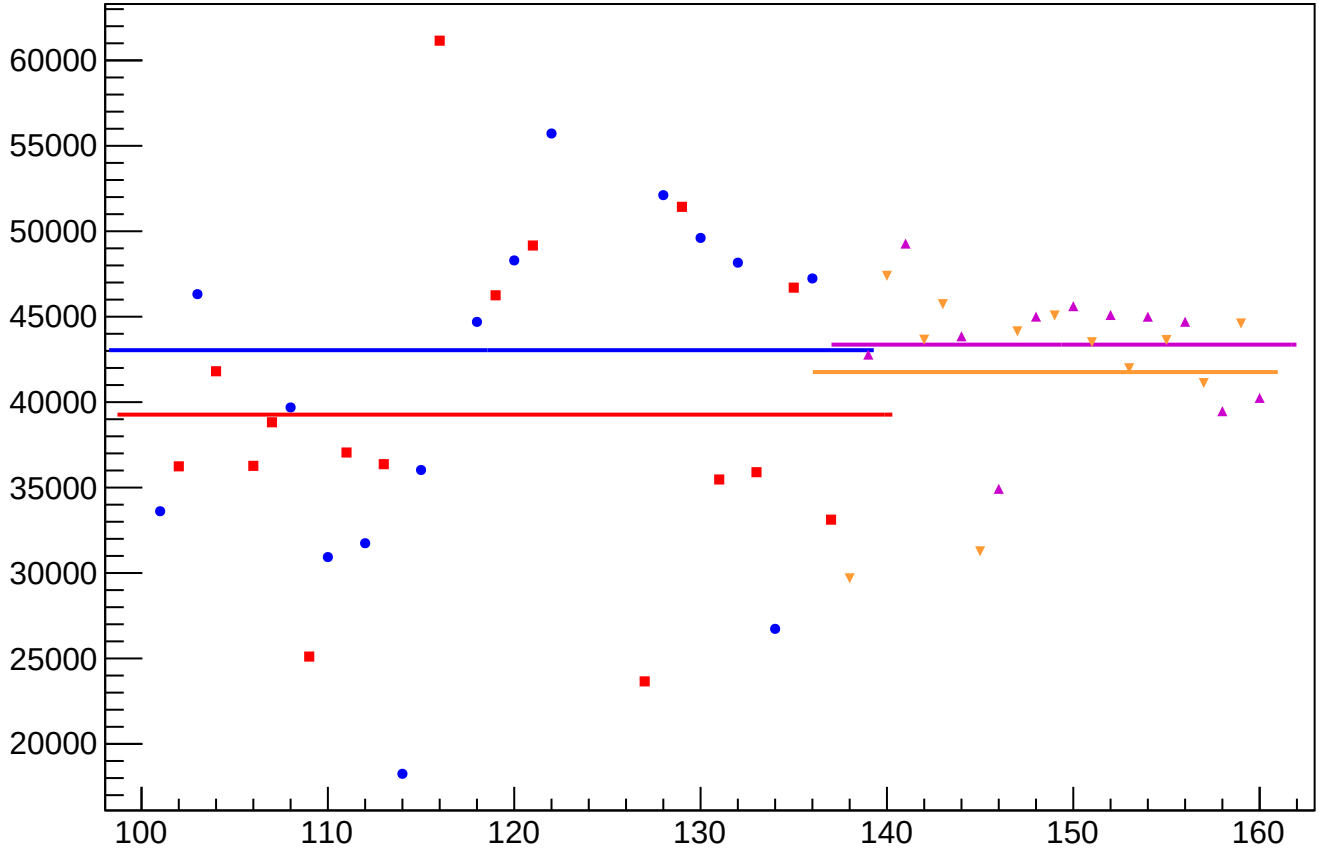
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5

# dit_sam4_coil4_mean vs Slug




Right In: 43039.927+/-0.000 $\chi^2$/NDF: 4839705292256172265266678640755217950310 4.0/14

Left Out: 41759.238+/-0.000 $\chi^2$/NDF:2633853262952254318597401789871975458406 4.0/11

Right Out: 39269.627+/-0.000 $\chi^2$/NDF: 5187303651775766623754571660505158516736 0.0/15

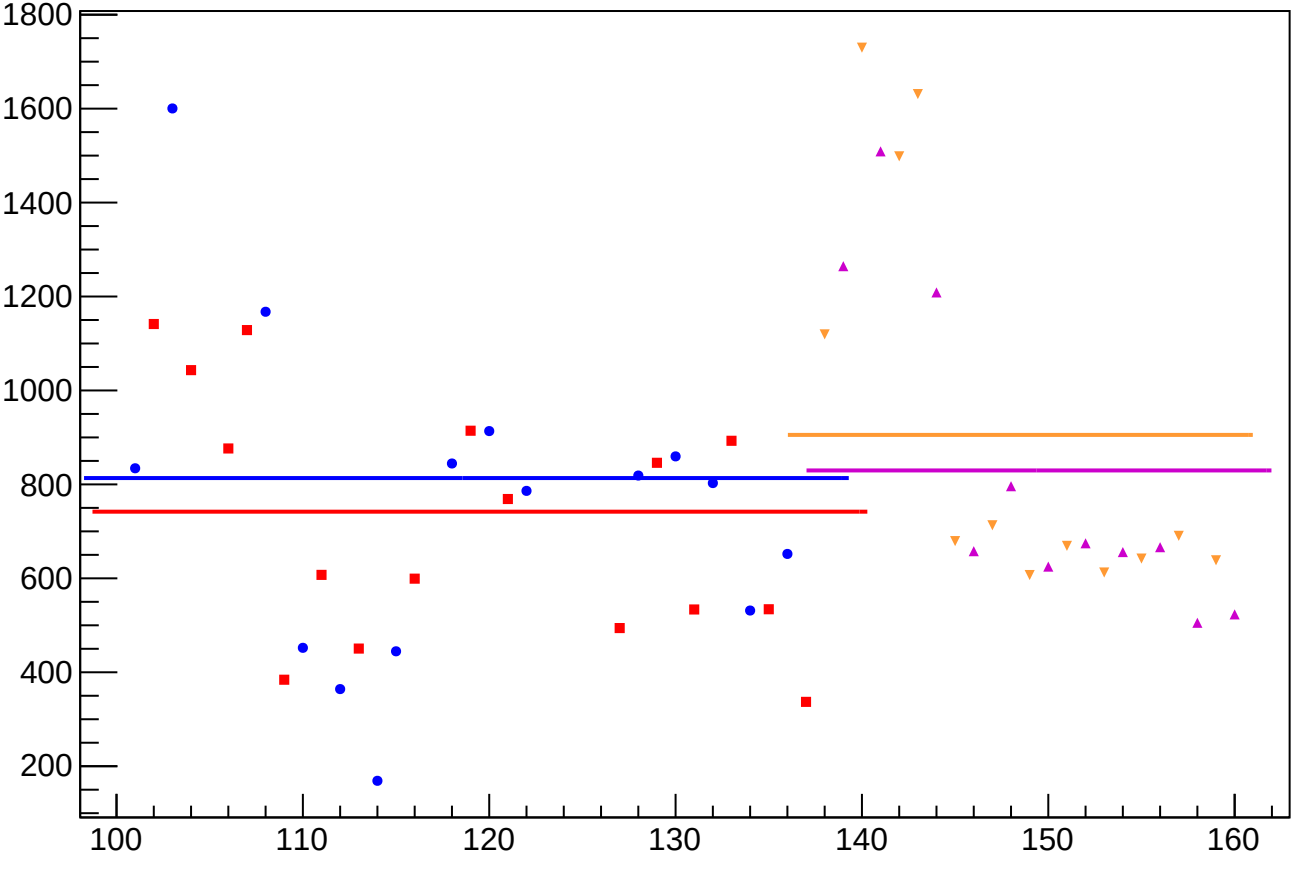
Left In: 43364.892+/-0.000 $\chi^2$/NDF:1220969572368159224100018841495480251187 2.0/10

+ sign 42291.015+/-0.000 $\chi^2$/NDF: 753580564952 9

All: 41966.664+/-0.000 $\chi^2$/NDF: 146263445 5

- sign 41648.021+/-0.000 $\chi^2$/NDF: 705794160217 9

# dit_sam4_coil4_err_mean vs Slug




Right In: 813.500+/-0.000 $\chi^2$/NDF: 671209168165482376389487875183513436 16.0/14

Left Out: 905.383+/-0.000 $\chi^2$/NDF:1516001192972690615538787732880422338 56.0/11

Right Out: 741.911+/-0.000 $\chi^2$/NDF: 4407413439721540923560474643267164 5696.0/15

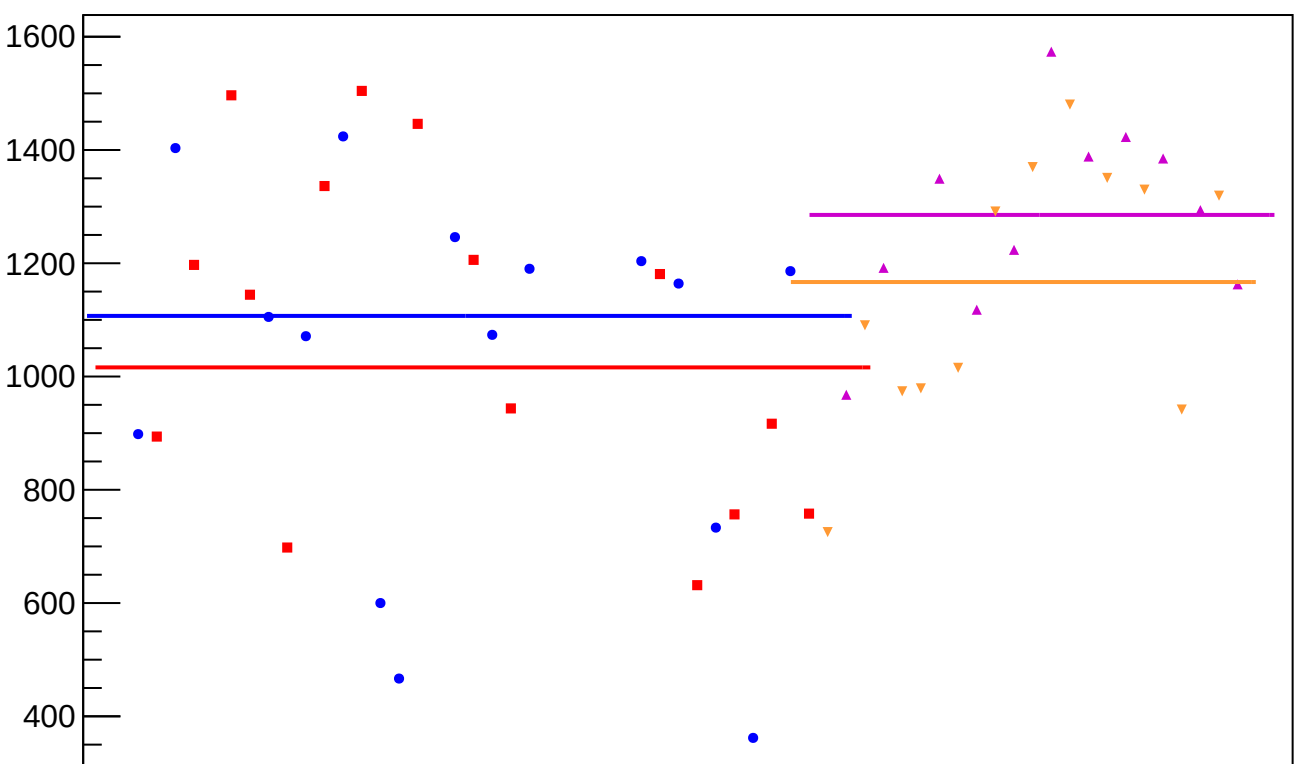
Left In: 829.715+/-0.000 $\chi^2$/NDF:9607783607162304834174951226091765 7600.0/10

+ sign 867.231+/-0.000 $\chi^2$/NDF: 2219250858241 92

All: 829.738+/-0.000 $\chi^2$/NDF: 3694191334 03

- sign 792.905+/-0.000 $\chi^2$/NDF: 1431384508352 51

# dit_sam4_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

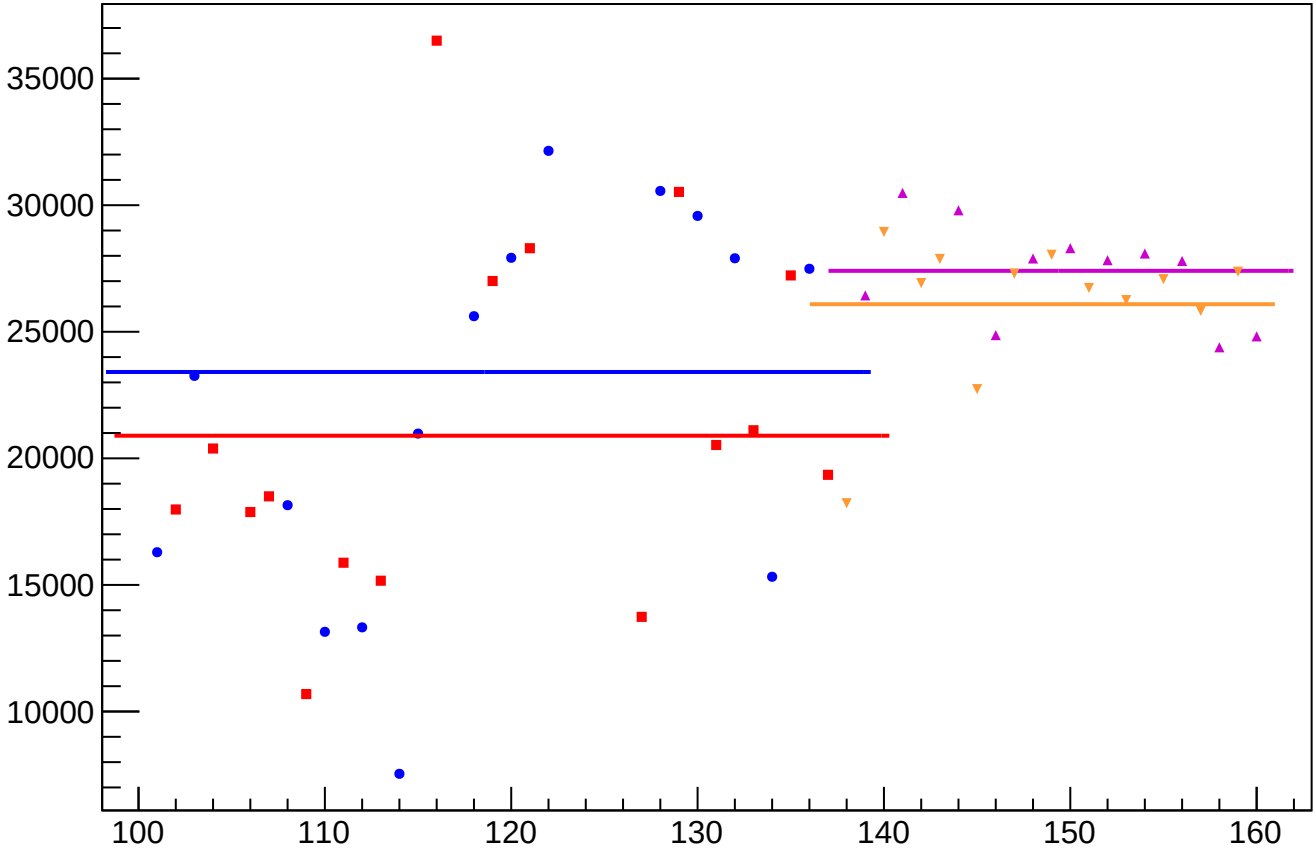
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5

# dit_sam5_coil4_mean vs Slug




Right In: 23411.506+/-0.000 $\chi^2$/NDF: 284274574717803193528857465713157084282 88.0/14

Left Out: 26089.435+/-0.000 $\chi^2$/NDF:7297474697325231234633060364075485102080.0/11

Right Out: 20894.122+/-0.000 $\chi^2$/NDF: 274089658045786491070029094099872183746 56.0/15

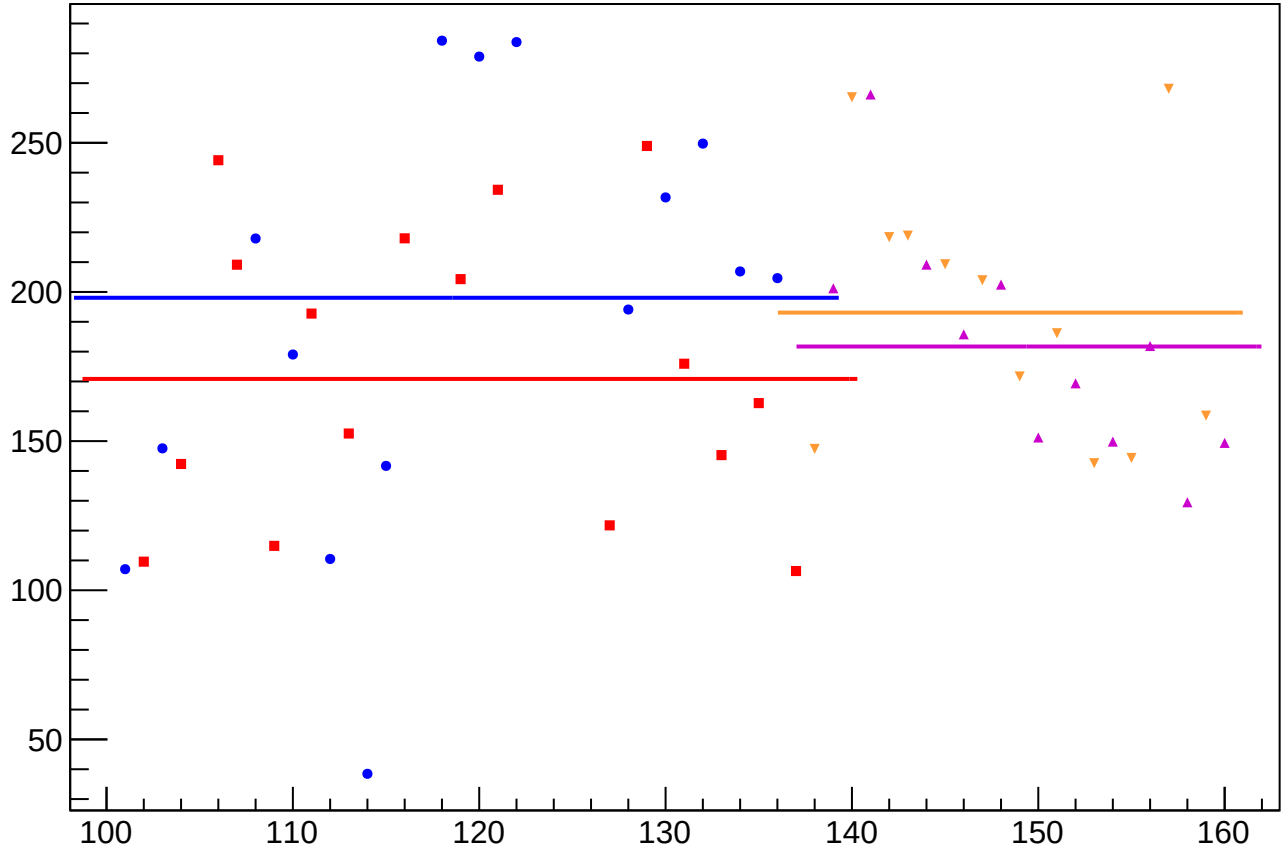
Left In: 27407.255+/-0.000 $\chi^2$/NDF:3322659858866093858426557456838465421312.0/10

+ sign 24977.486+/-0.000 $\chi^2$/NDF: 384465667924

All: 24825.775+/-0.000 $\chi^2$/NDF: 856821548 9

- sign 24676.734+/-0.000 $\chi^2$/NDF: 4716427212055

# dit_sam5_coil4_err_mean vs Slug




Right In: 198.056+/-0.000 $\chi^2$/NDF: 2482928792293864415922382990034862080.0/14

Left Out: 193.084+/-0.000 $\chi^2$/NDF:1682749705439949881122511912389574656.0/11

Right Out: 170.851+/-0.000 $\chi^2$/NDF: 1418314816915016425155520631536615424.0/15

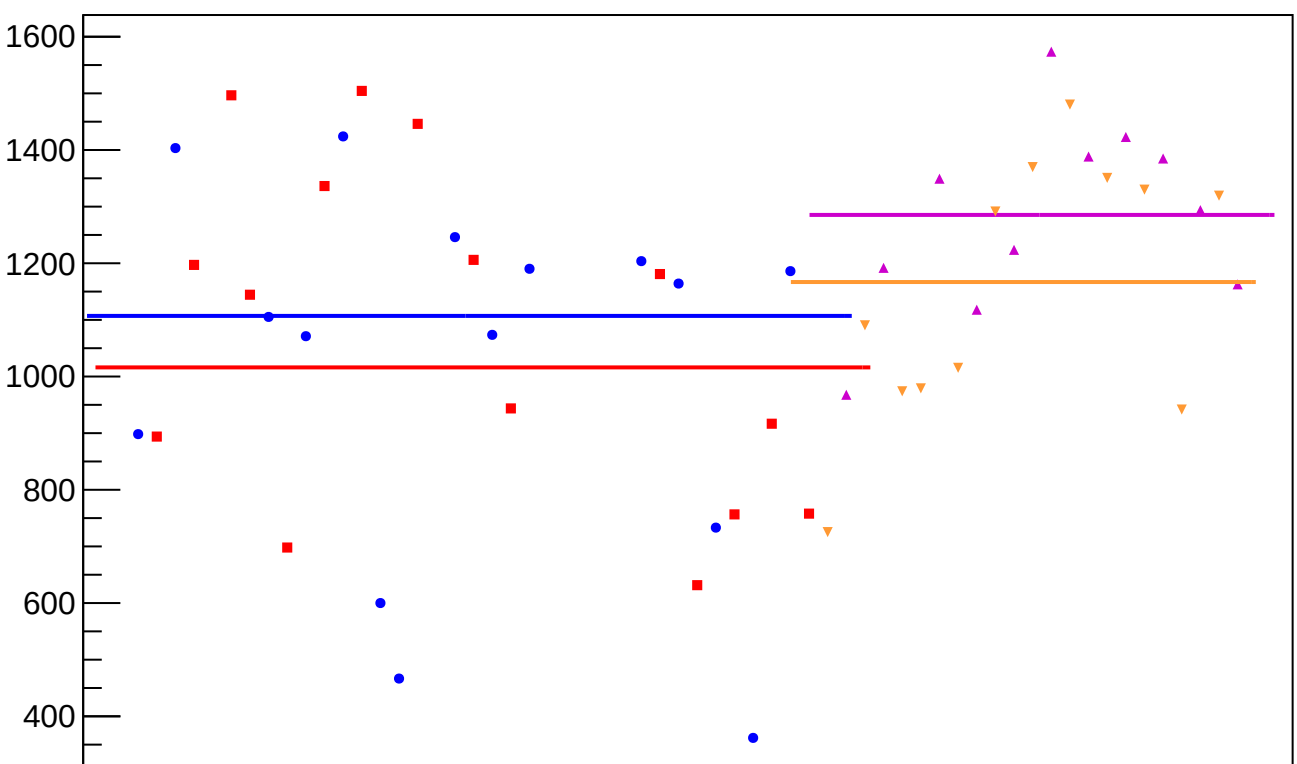
Left In: 181.711+/-0.000 $\chi^2$/NDF:1228549704796737698218369408017891328.0/10

+ sign 195.148+/-0.000 $\chi^2$/NDF: 417506015542371

All: 186.074+/-0.000 $\chi^2$/NDF: 71227710861

- sign 177.159+/-0.000 $\chi^2$/NDF: 269255092186089

# dit_sam5_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

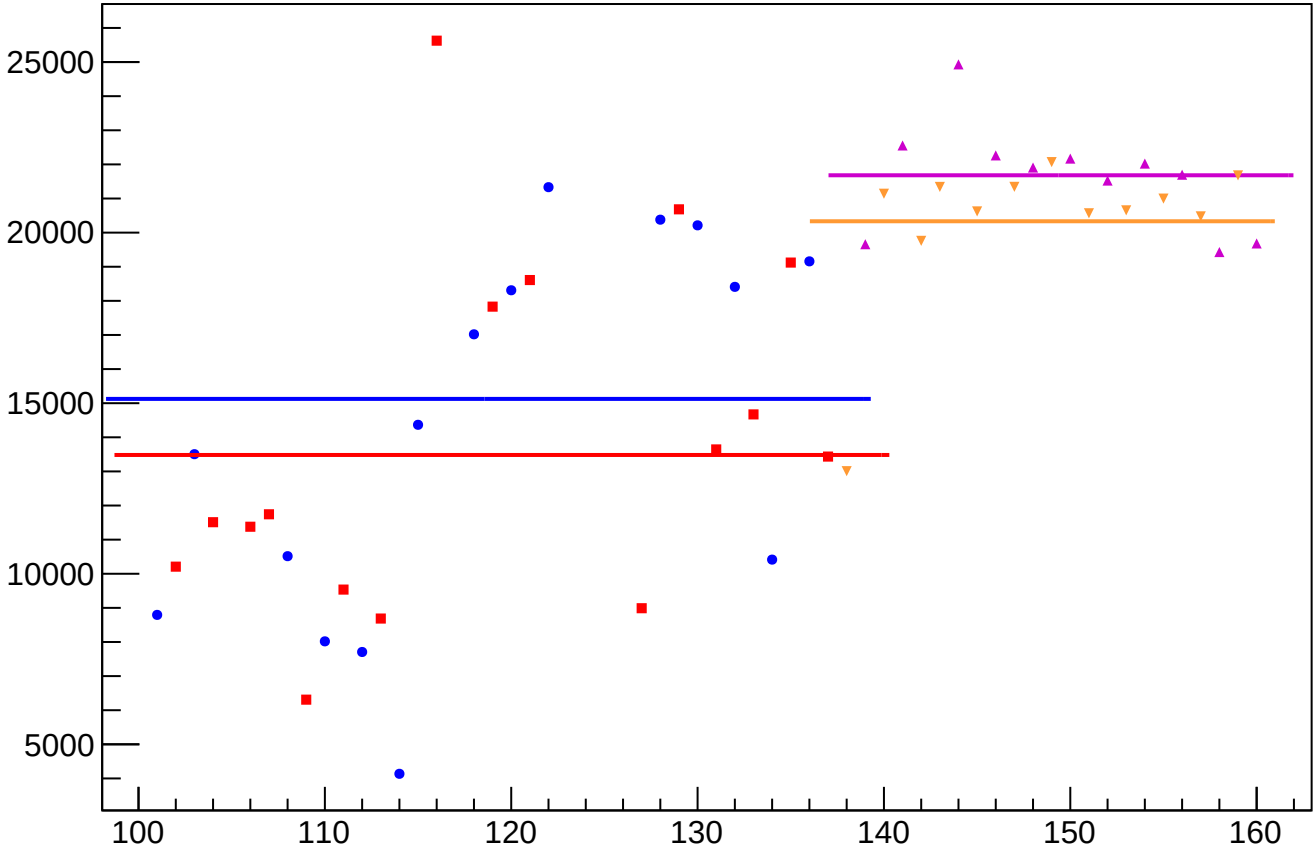
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5

# dit_sam6_coil4_mean vs Slug




Right In: 15125.834+/-0.000 $\chi^2$/NDF: 16615438767664069151744668380763246297088.0/14

+ sign 18170.879+/-0.000 $\chi^2$/NDF: 3176208714015

Left Out: 20333.061+/-0.000 $\chi^2$/NDF:485594922577694276322685394036905423667 2.0/11

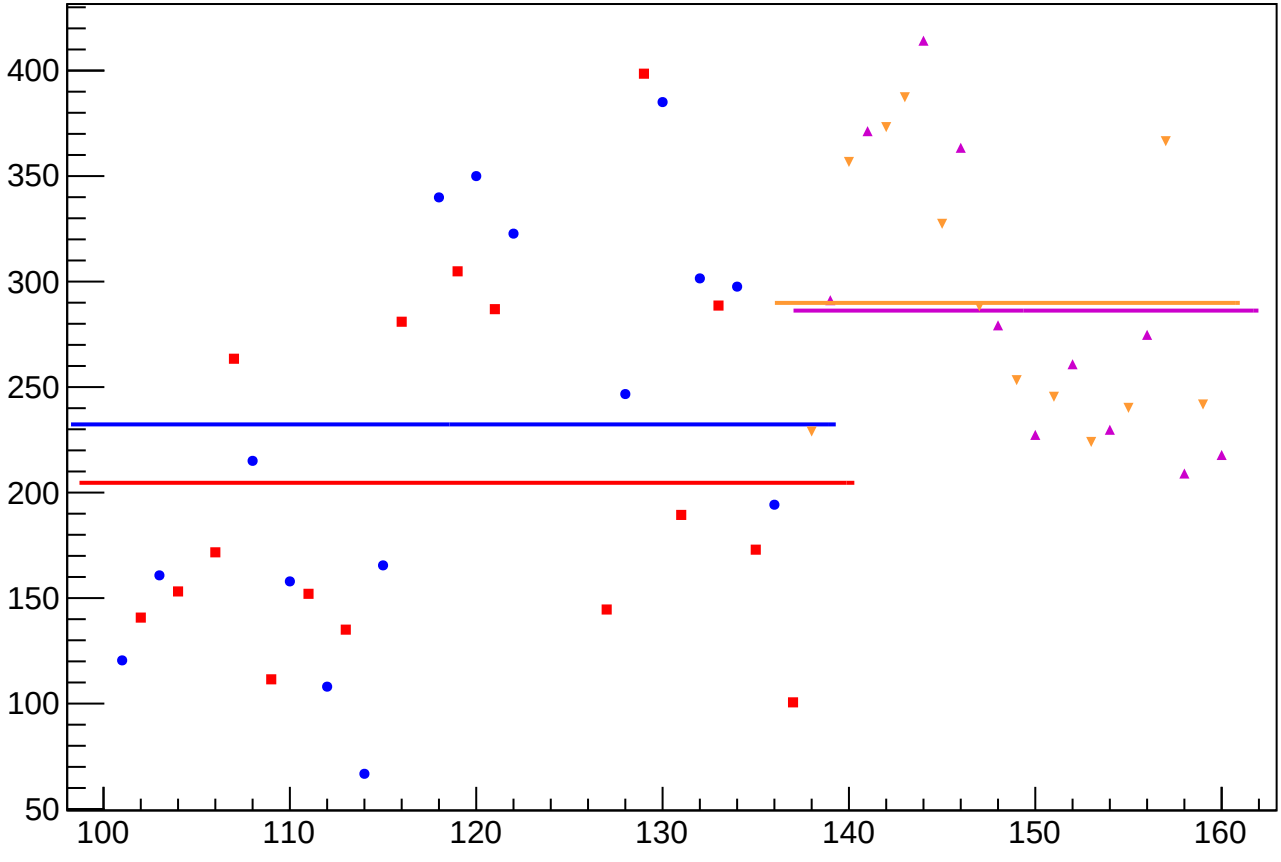
All: 18207.738+/-0.000 $\chi^2$/NDF: 7582607940

Right Out: 13482.244+/-0.000 $\chi^2$/NDF: 15910426475407825250252248749810022088704.0/15

- sign 18243.949+/-0.000 $\chi^2$/NDF: 4405978256455

Left In: 21681.241+/-0.000 $\chi^2$/NDF:2108874573649202621711530332866310307840.0/10

# dit_sam6_coil4_err_mean vs Slug




Right In: 232.312+/-0.000 $\chi^2$/NDF: 5478184144885833956204804001180418048.0/14

+ sign 265.986+/-0.000 $\chi^2$/NDF: 993907240808893

Left Out: 289.897+/-0.000 $\chi^2$/NDF:3202390993231935504147250998086205440.0/11

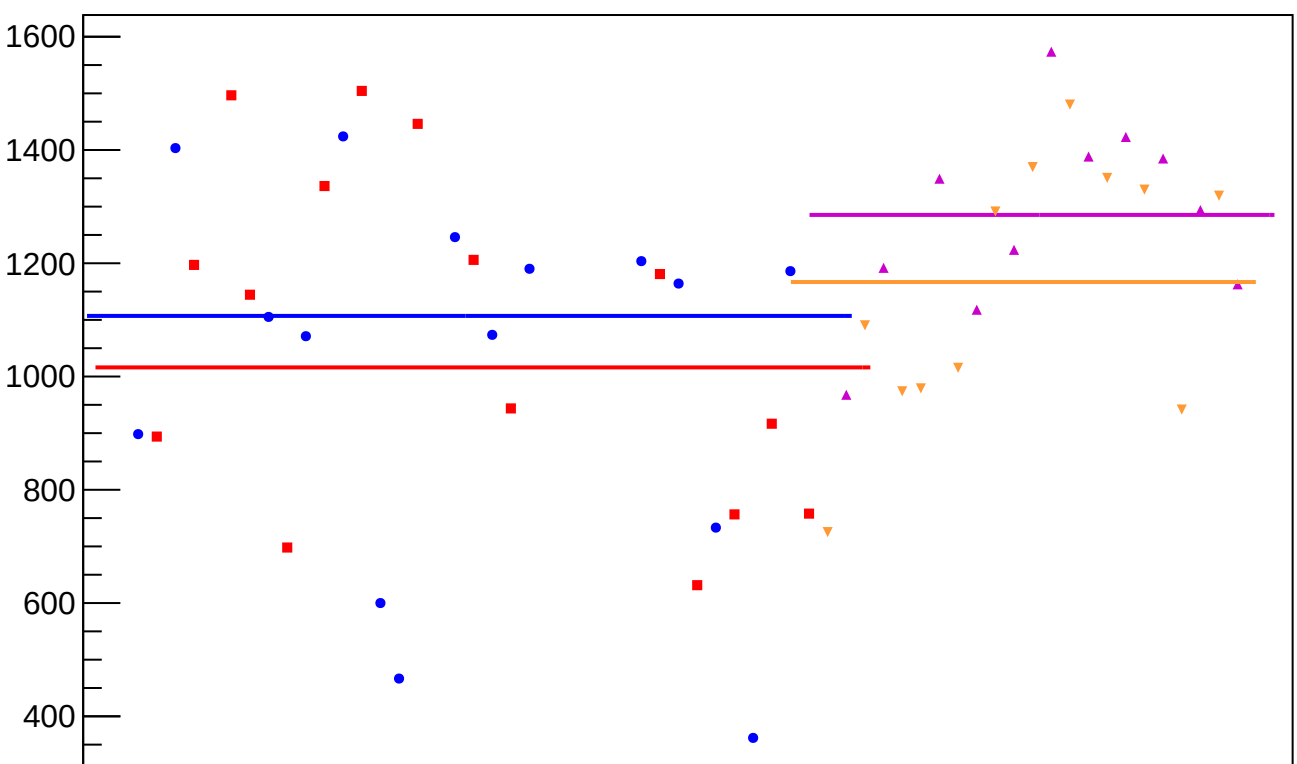
All: 258.948+/-0.000 $\chi^2$/NDF: 212946744199

Right Out: 204.637+/-0.000 $\chi^2$/NDF: 4555067046835230017930882867882098688.0/15

- sign 252.033+/-0.000 $\chi^2$/NDF: 112020972383493

Left In: 286.246+/-0.000 $\chi^2$/NDF:4067110443230234744644750983181631488.0/10

# dit_sam6_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

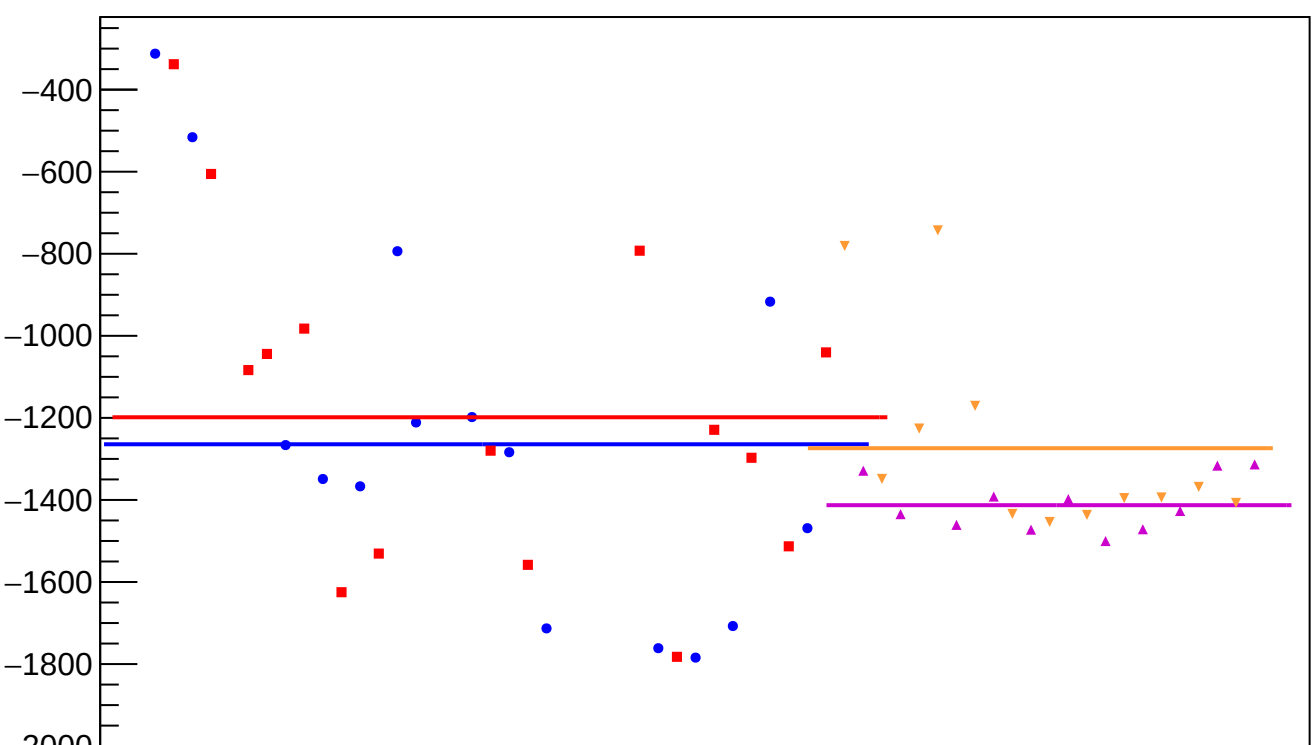
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

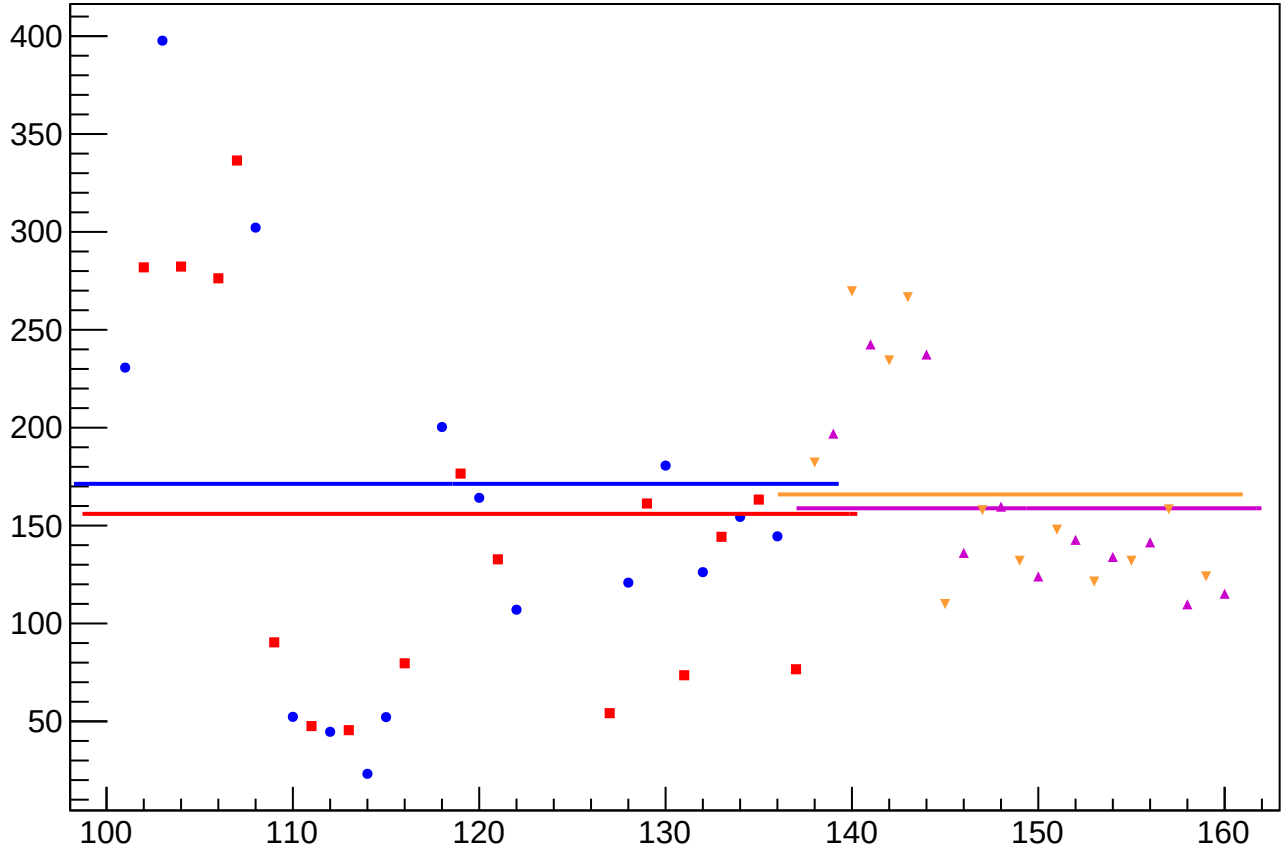
- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5

# dit_sam7_coil4_mean vs Slug




Right In: -1264.303+/-0.000 $\chi^2$/NDF: 1402152515385026575491739945439319818 24.0/14
+ sign -1269.922+/-0.000 $\chi^2$/NDF: 1907675135798
Left Out: -1273.912+/-0.000 $\chi^2$/NDF:5051721948733248265912197237271900979 2.0/11
All: -1296.664+/-0.000 $\chi^2$/NDF: 3455789240
Right Out: -1198.483+/-0.000 $\chi^2$/NDF: 1311647638980167935154922176961671331 84.0/15
- sign -1322.935+/-0.000 $\chi^2$/NDF: 1525955901709
Left In: -1412.771+/-0.000 $\chi^2$/NDF:3642959557366432228461510163957809152.0/10

# dit_sam7_coil4_err_mean vs Slug




Right In: 171.323+/-0.000 $\chi^2$/NDF: 612097507518730550979514306499339878 4.0/14

Left Out: 165.917+/-0.000 $\chi^2$/NDF:2574923375517186479088669940447707136.0/11

Right Out: 155.993+/-0.000 $\chi^2$/NDF: 5680659281504595852021524727244783616.0/15

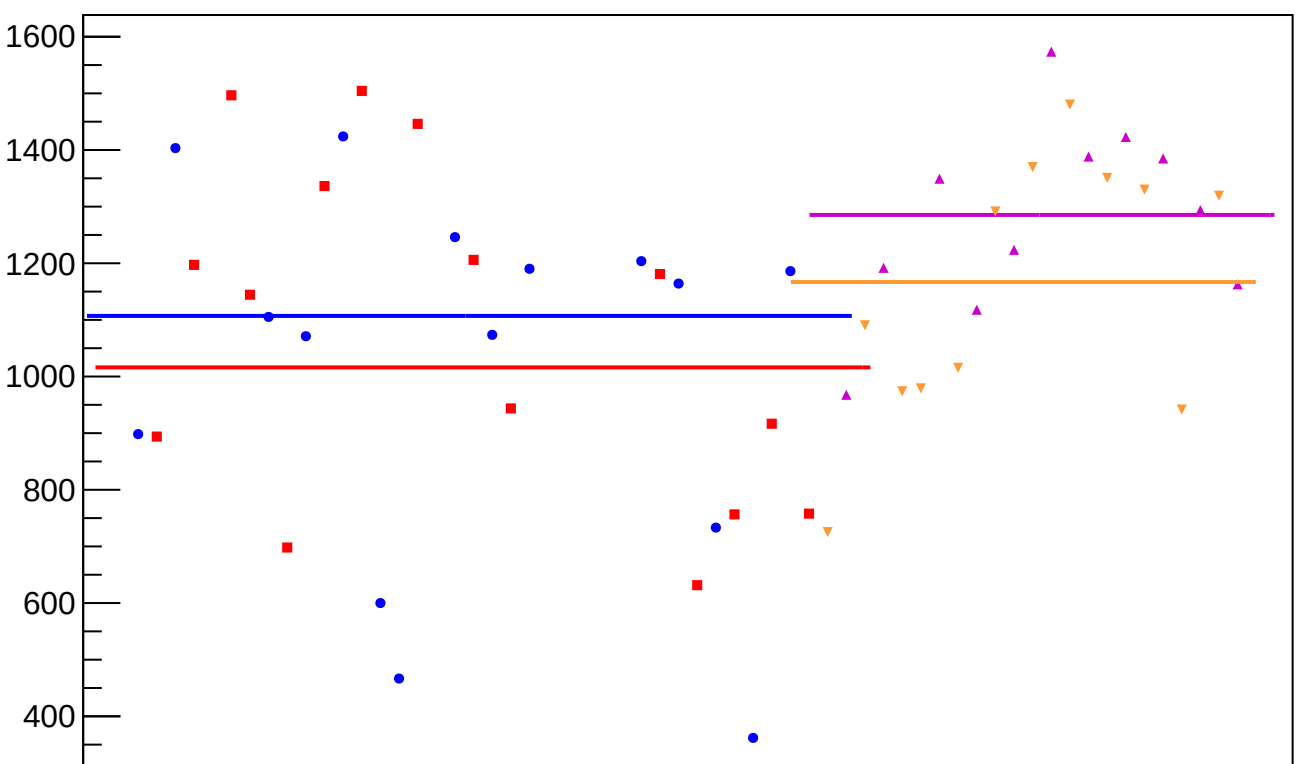
Left In: 158.834+/-0.000 $\chi^2$/NDF:1853310895668256586520412981739651072.0/10

+ sign 168.162+/-0.000 $\chi^2$/NDF: 870698624432880

All: 162.856+/-0.000 $\chi^2$/NDF: 16331319503

- sign 157.643+/-0.000 $\chi^2$/NDF: 753709484799884

# dit_sam7_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

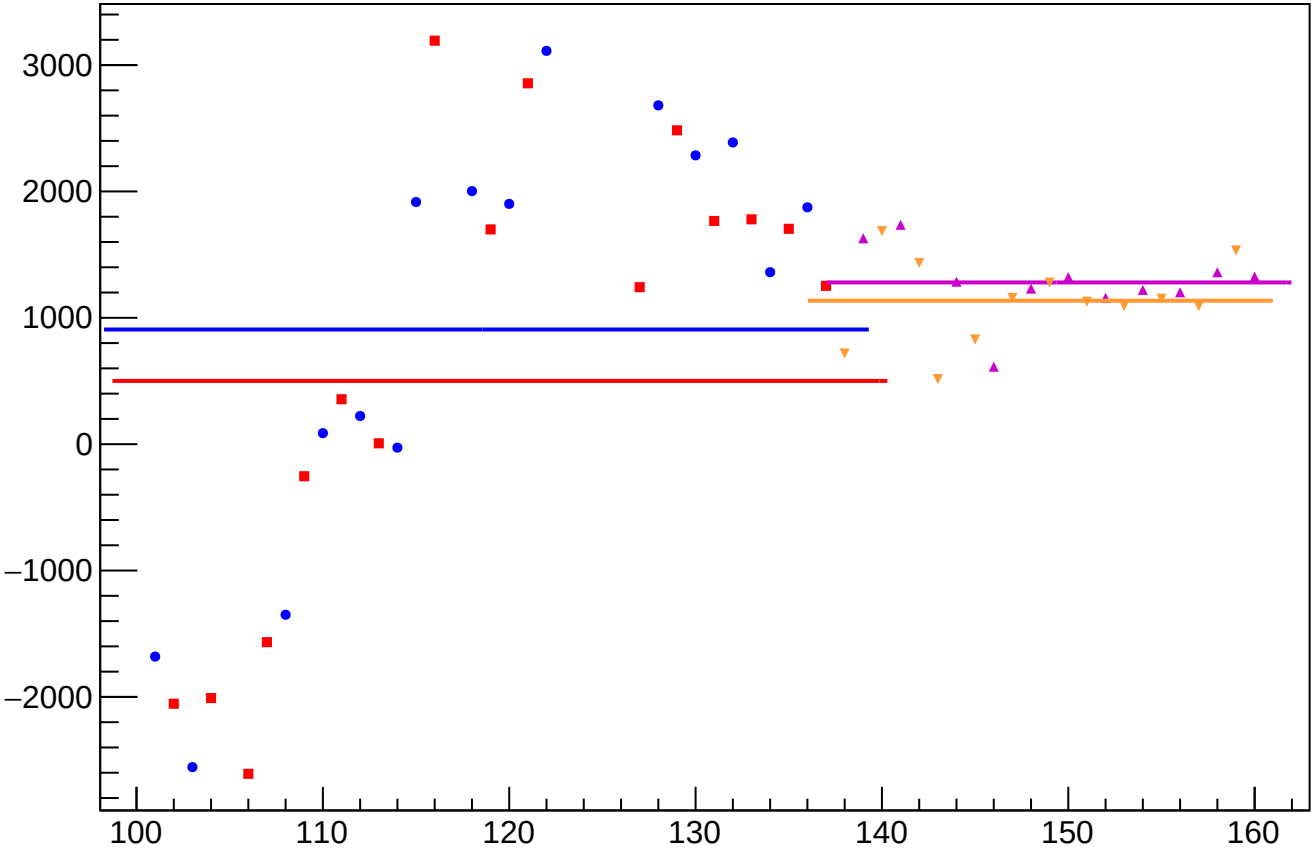
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

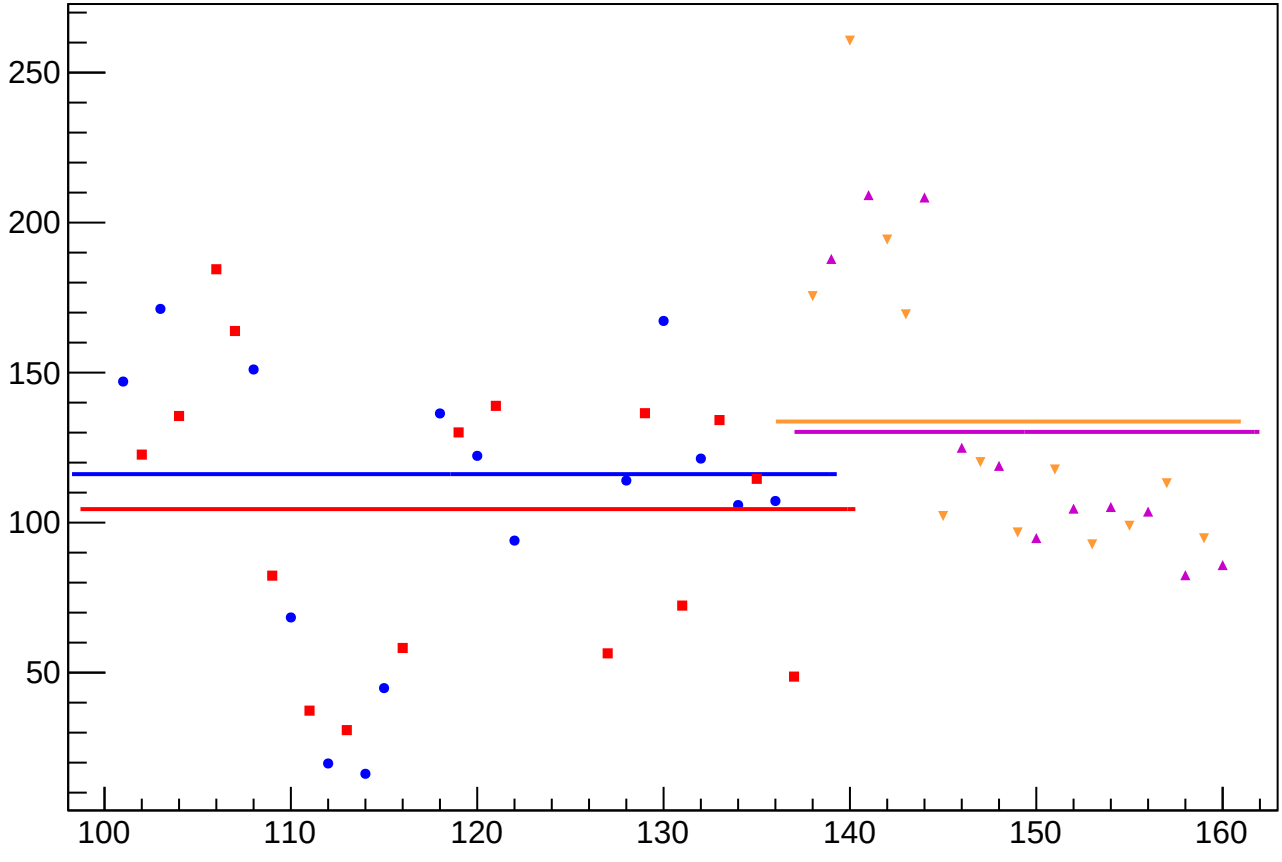
- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5

# dit_sam8_coil4_mean vs Slug




Right In: 907.442+/-0.000 $\chi^2$/NDF: 2107238007691848638499662178406566461440.0/14
+ sign 1040.809+/-0.000 $\chi^2$/NDF: 2217433289487
Left Out: 1135.509+/-0.000 $\chi^2$/NDF:904547617734895917934786780746093690 88.0/11
All: 996.658+/-0.000 $\chi^2$/NDF: 46005561681
Right Out: 500.689+/-0.000 $\chi^2$/NDF: 2074232918749953174436803426379074895872.0/15
- sign 953.284+/-0.000 $\chi^2$/NDF: 237708288217536
Left In: 1279.995+/-0.000 $\chi^2$/NDF:675923047038840320285592394487824384 00.0/10

# dit_sam8_coil4_err_mean vs Slug




Right In: 116.159+/-0.000 $\chi^2$/NDF: 1198526427485199785396504127288115200.0/14

Left Out: 133.695+/-0.000 $\chi^2$/NDF:2332238004384262852879386446827356160.0/11

Right Out: 104.501+/-0.000 $\chi^2$/NDF: 1285986383644058507445602420764180480.0/15

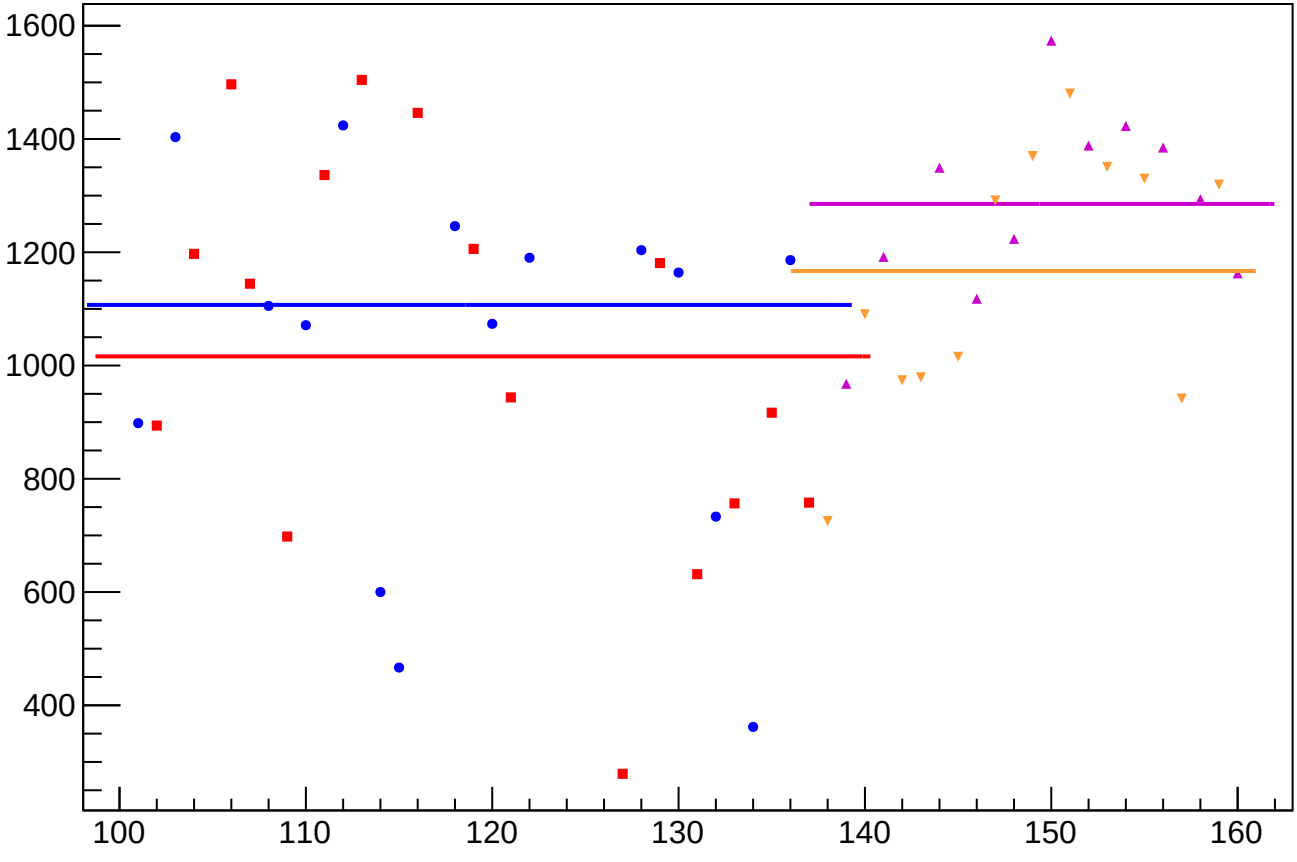
Left In: 130.237+/-0.000 $\chi^2$/NDF:1968814259217478663576054483231178752.0/10

+ sign 126.414+/-0.000 $\chi^2$/NDF: 364747445092715

All: 122.900+/-0.000 $\chi^2$/NDF: 719711638238

- sign 119.447+/-0.000 $\chi^2$/NDF: 351137486927292

# dit_sam8_coil4_Ndata_mean vs Slug




Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14

Left Out: 1166.869+/-0.000 $\chi^2$/NDF:4465184558952975476945196414054432768 0.0/11

Right Out: 1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15

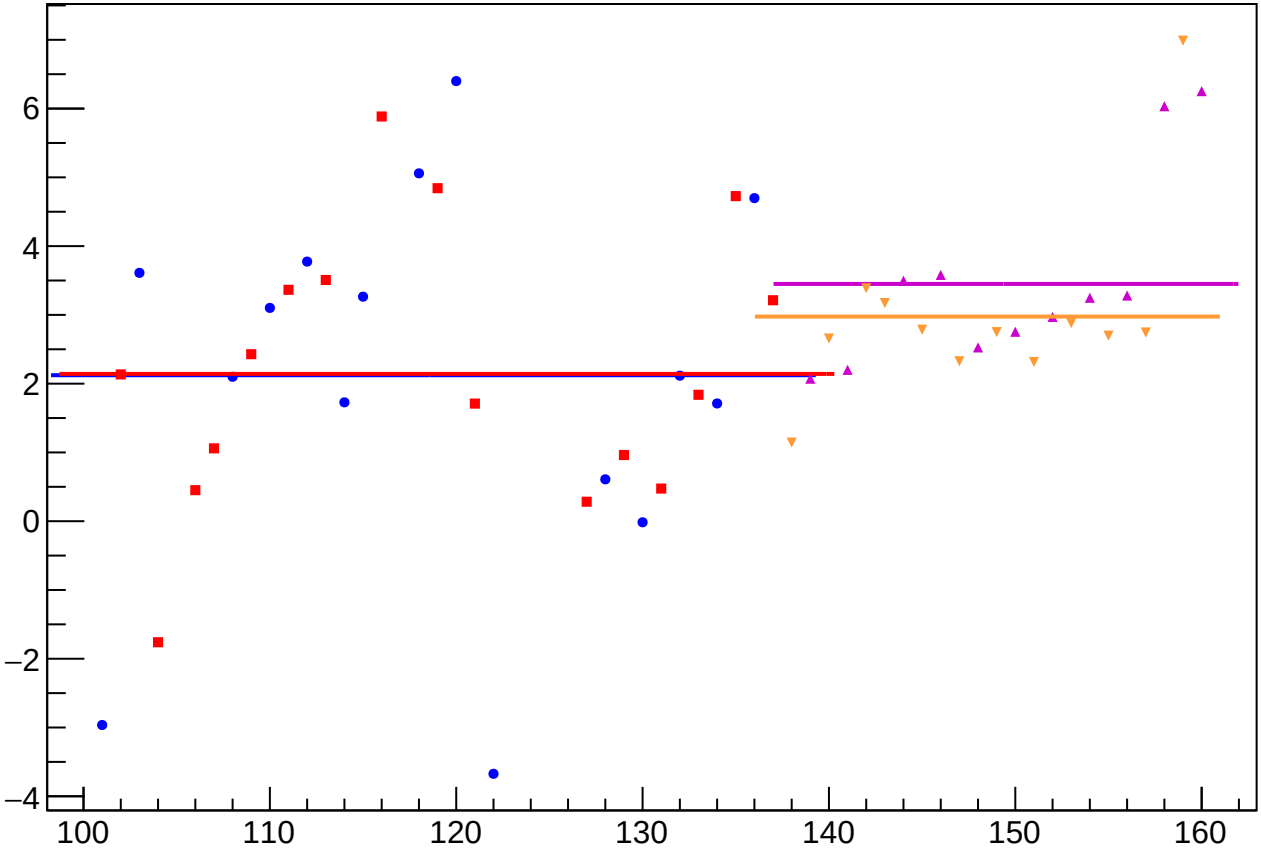
Left In: 1285.364+/-0.000 $\chi^2$/NDF:2400257280373234595973604809551485337 6.0/10

+ sign 1142.031+/-0.000 $\chi^2$/NDF: 8664358837731 6

All: 1157.392+/-0.000 $\chi^2$/NDF: 2120291144 2

- sign 1172.482+/-0.000 $\chi^2$/NDF: 1246544491162 5

# dit_4aX_coil6_mean vs Slug




Right In: 2.123+/-0.000 $\chi^2$/NDF: 526370592282107597102201384940339 2.0/14

Left Out: 2.975+/-0.000 $\chi^2$/NDF:1653073452461549310648226194391040.0/11

Right Out: 2.142+/-0.000 $\chi^2$/NDF: 2472949940993672466161692257026048.0/15

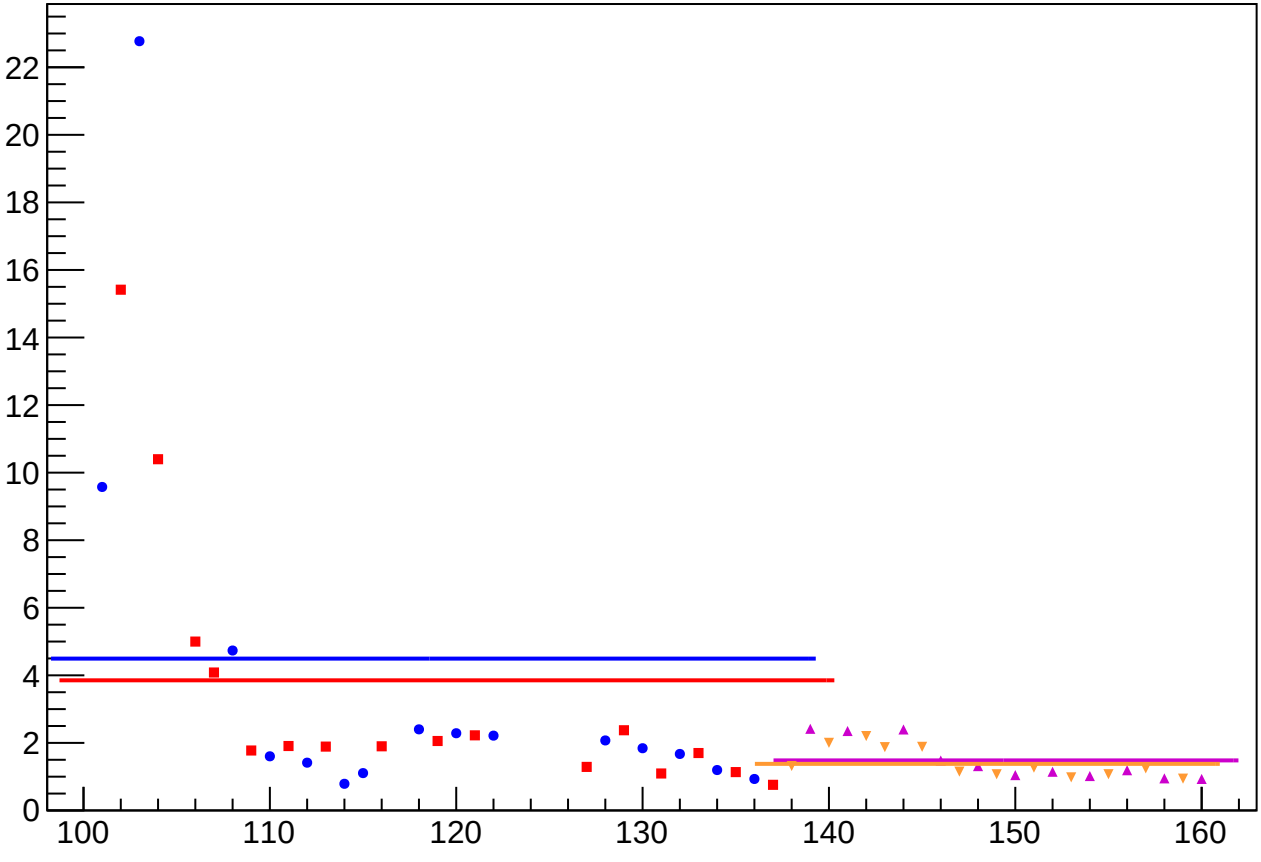
Left In: 3.450+/-0.000 $\chi^2$/NDF:1551935058842125730993767819771904.0/10

+ sign 2.621+/-0.000 $\chi^2$/NDF: 7192610969837378 0

All: 2.763+/-0.000 $\chi^2$/NDF: 1194273758480 9

- sign 2.902+/-0.000 $\chi^2$/NDF: 4688165314334650 8

# dit_4aX_coil6_err_mean vs Slug




Right In: 4.495+/-0.000 $\chi^2$/NDF: 2527024221981606153232919863440179 2.0/14

+ sign 2.673+/-0.000 $\chi^2$/NDF: 2910543680814668 3

Left Out: 1.379+/-0.000 $\chi^2$/NDF:1503843295012242268496560851517 44.0/11

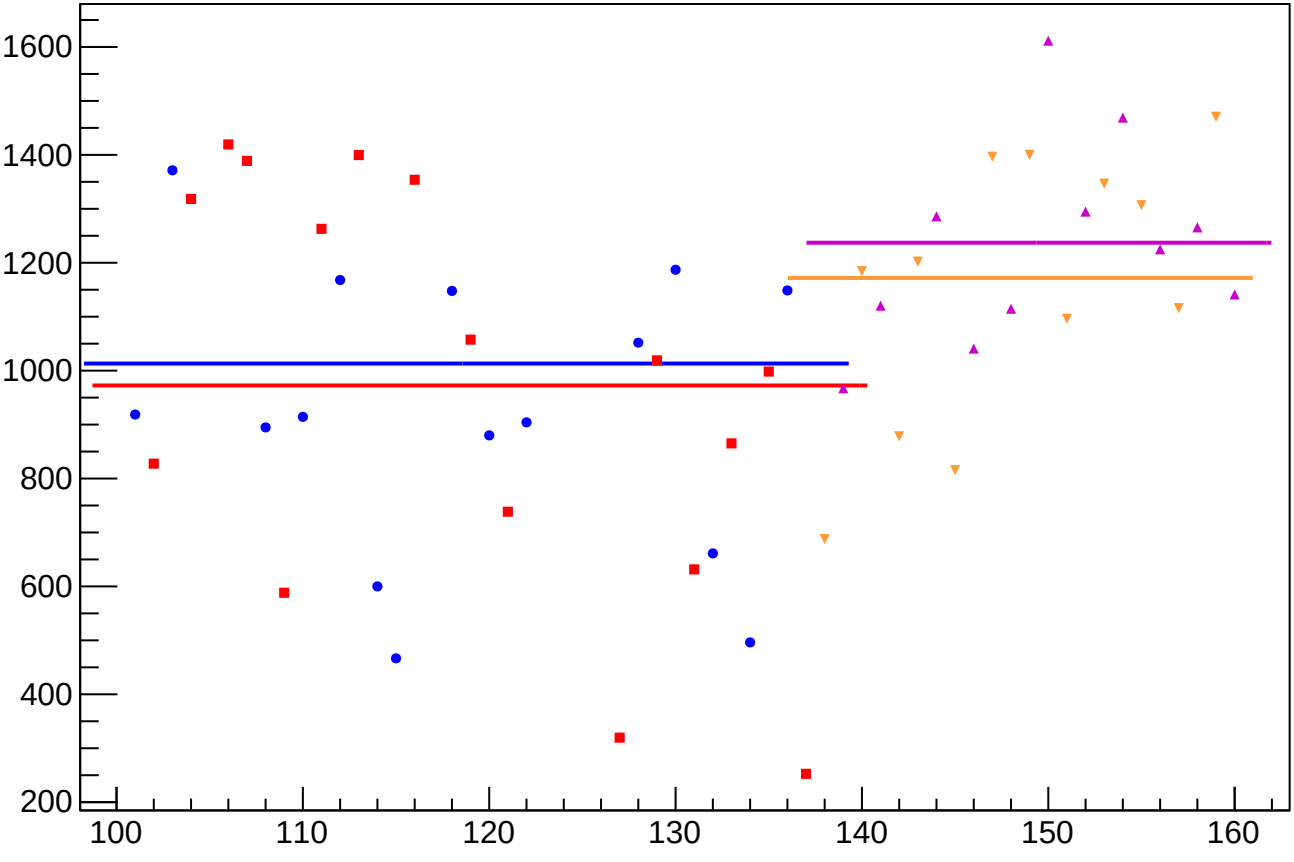
All: 2.573+/-0.000 $\chi^2$/NDF: 4393857611244 7

Right Out: 3.852+/-0.000 $\chi^2$/NDF: 1231497147655680655051884763860172 8.0/15

- sign 2.476+/-0.000 $\chi^2$/NDF: 1480240591264191 0

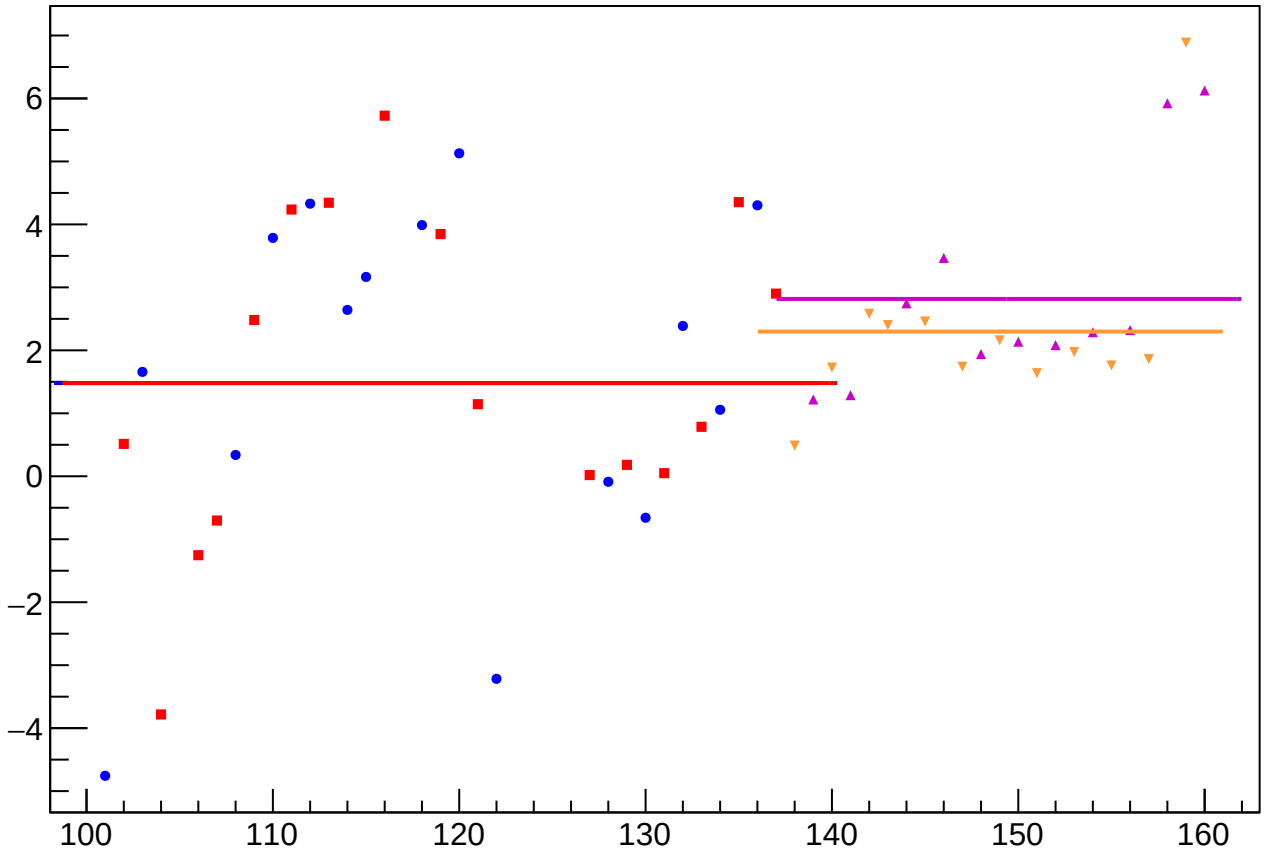
Left In: 1.482+/-0.000 $\chi^2$/NDF:3103377104757794957745094058311 68.0/10

# dit_4aX_coil6_Ndata_mean vs Slug




Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14
+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722 1888.0/11
All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3
Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15
- sign 1126.185+/-0.000 $\chi^2$/NDF: 1363465673346 0
Left In: 1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367 2320.0/10

# dit_4eX_coil6_mean vs Slug




Right In: 1.480+/-0.000 $\chi^2$/NDF: 579967069590278445905576798768332 8.0/14

Left Out: 2.298+/-0.000 $\chi^2$/NDF:2079870991739780462593334803693568.0/11

Right Out: 1.480+/-0.000 $\chi^2$/NDF: 4092645800613765572662987820367872.0/15

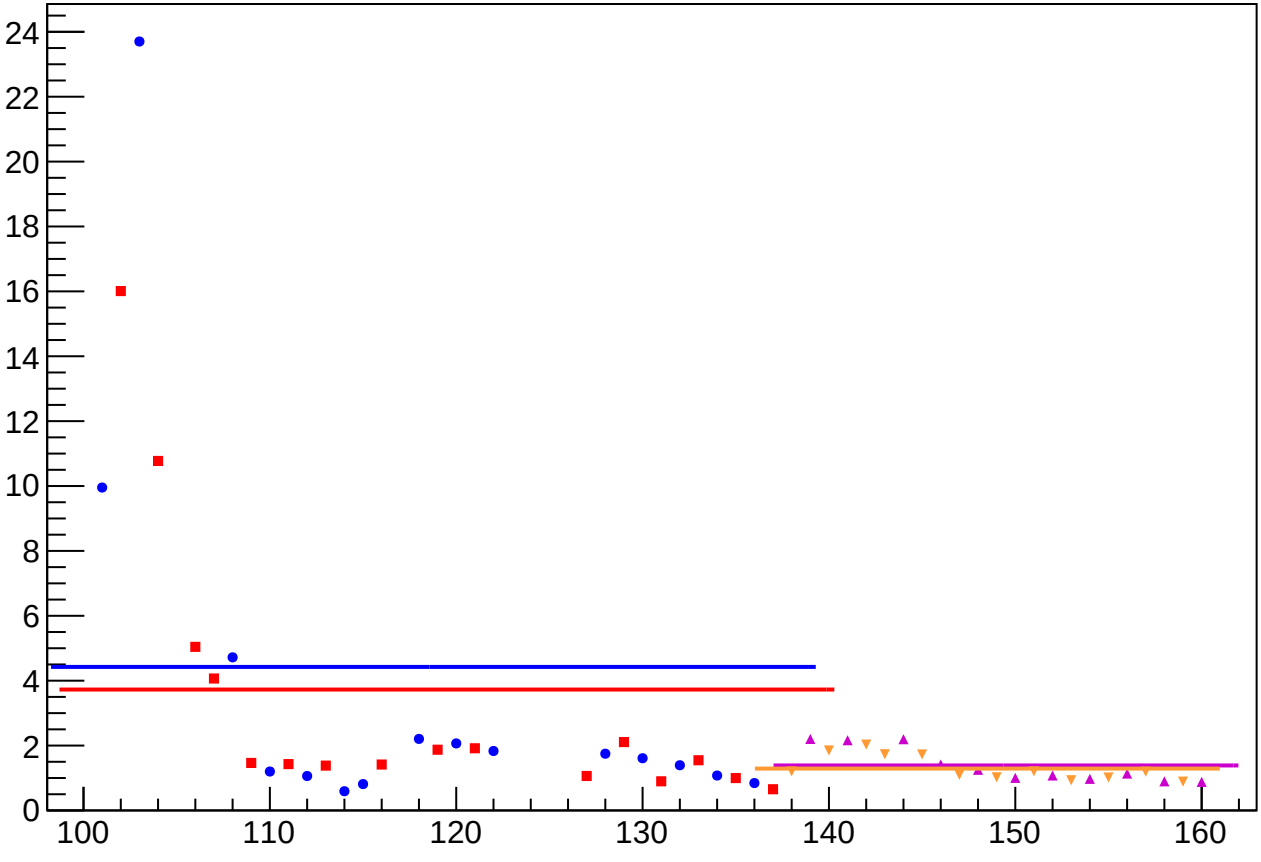
Left In: 2.816+/-0.000 $\chi^2$/NDF:2230790234579581781884760219451392.0/10

+ sign 1.958+/-0.000 $\chi^2$/NDF: 8133477300118297 9

All: 2.109+/-0.000 $\chi^2$/NDF: 1521837937026 1

- sign 2.256+/-0.000 $\chi^2$/NDF: 7014944063307818 4

# dit_4eX_coil6_err_mean vs Slug




Right In: 4.424+/-0.000 $\chi^2$/NDF: 28257459272876210608839830473277440.0/14

+ sign 2.592+/-0.000 $\chi^2$/NDF: 3210351611997735

Left Out: 1.291+/-0.000 $\chi^2$/NDF:11920172561845219091749032427520 0.0/11

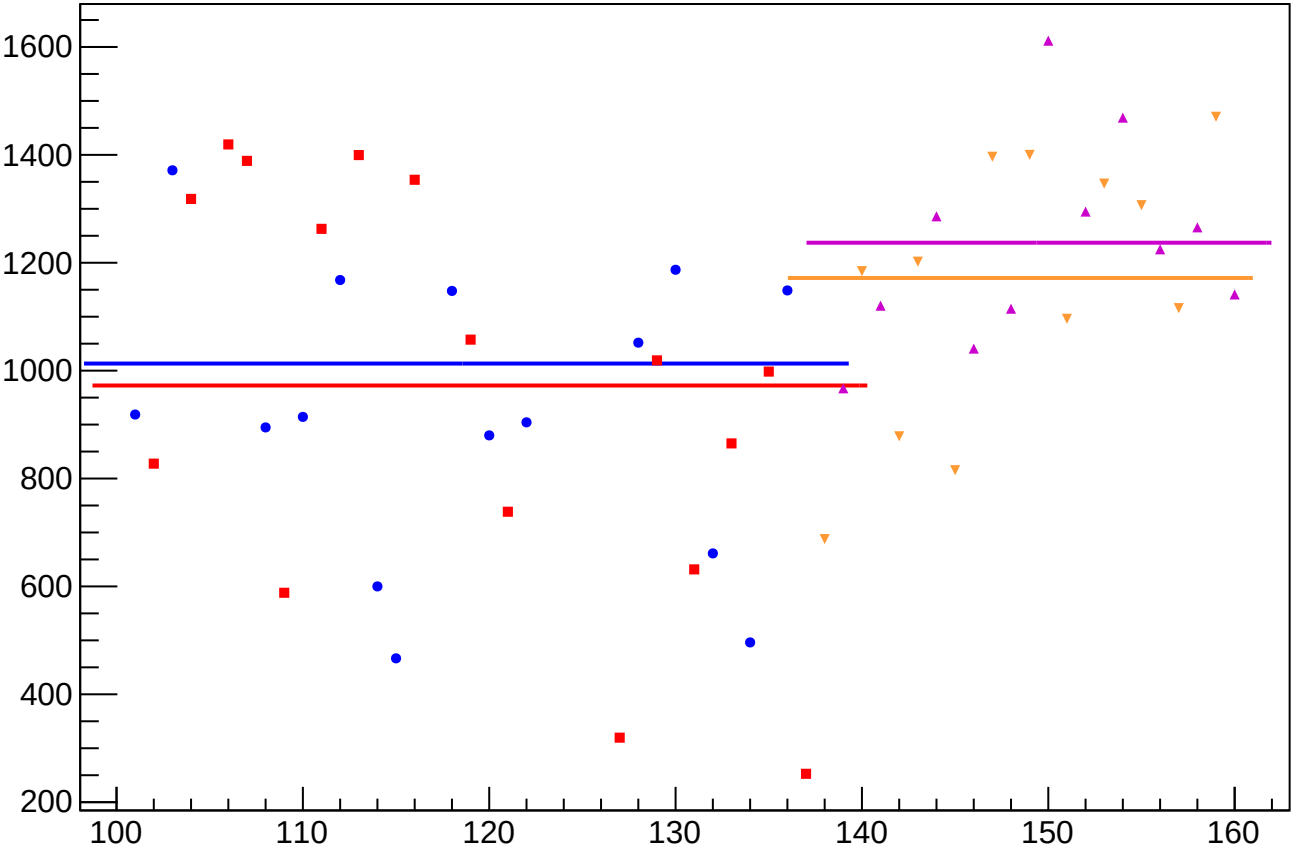
All: 2.479+/-0.000 $\chi^2$/NDF: 4850101738154

Right Out: 3.727+/-0.000 $\chi^2$/NDF: 13991816814749842519794284853460992.0/15

- sign 2.368+/-0.000 $\chi^2$/NDF: 16358007863357496

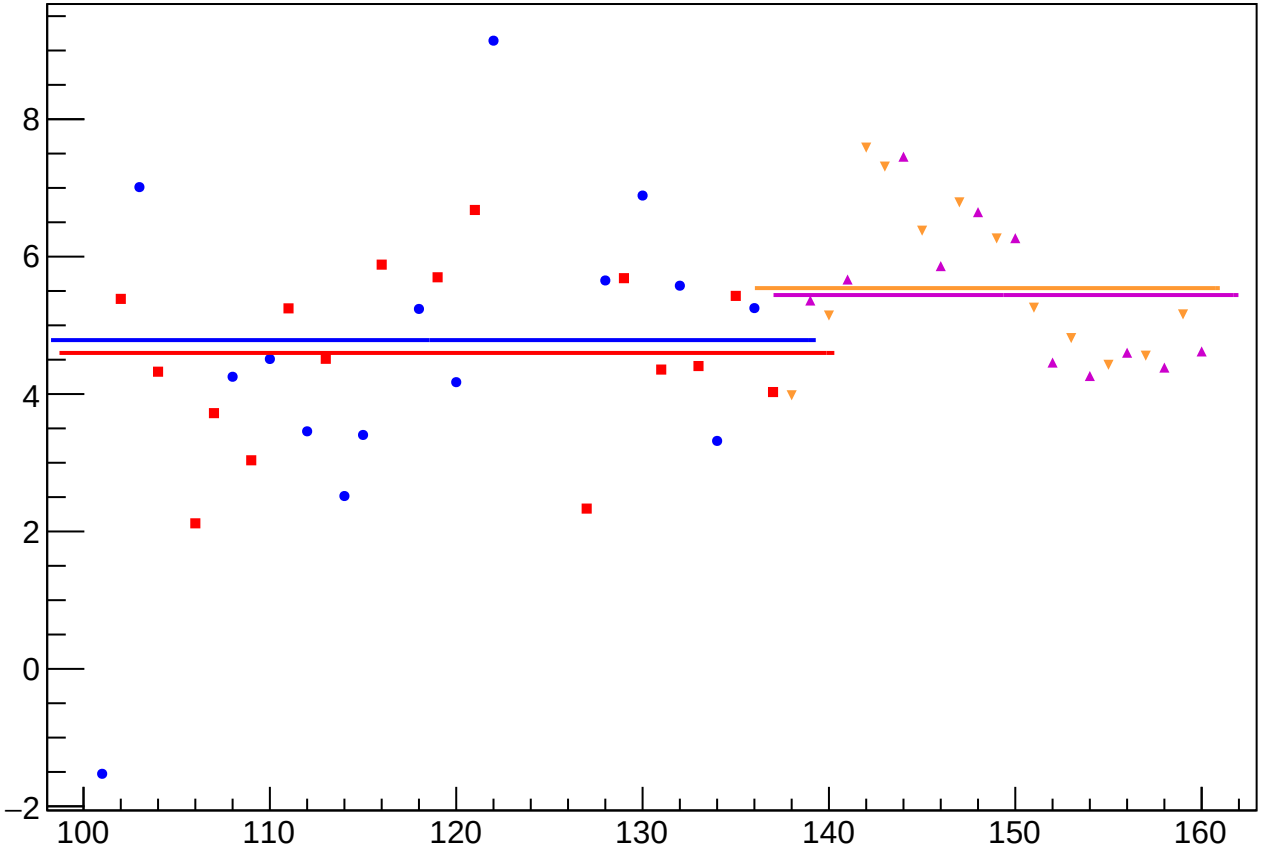
Left In: 1.387+/-0.000 $\chi^2$/NDF:24538120591373436894782956136038 4.0/10

# dit_4eX_coil6_Ndata_mean vs Slug




Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14
+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:524249012820985838563124925770372218 88.0/11
All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3
Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15
- sign 1126.185+/-0.000 $\chi^2$/NDF: 1363465673346 0
Left In: 1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236723 20.0/10

# dit_11X12X_coil6_mean vs Slug




Right In: 4.785+/-0.000 $\chi^2$/NDF: 39965560731547797118081594703216 64.0/14

Left Out: 5.542+/-0.000 $\chi^2$/NDF:1063589592141187742244511087067136.0/11

Right Out: 4.598+/-0.000 $\chi^2$/NDF: 989607156792948633247632779640832.0/15

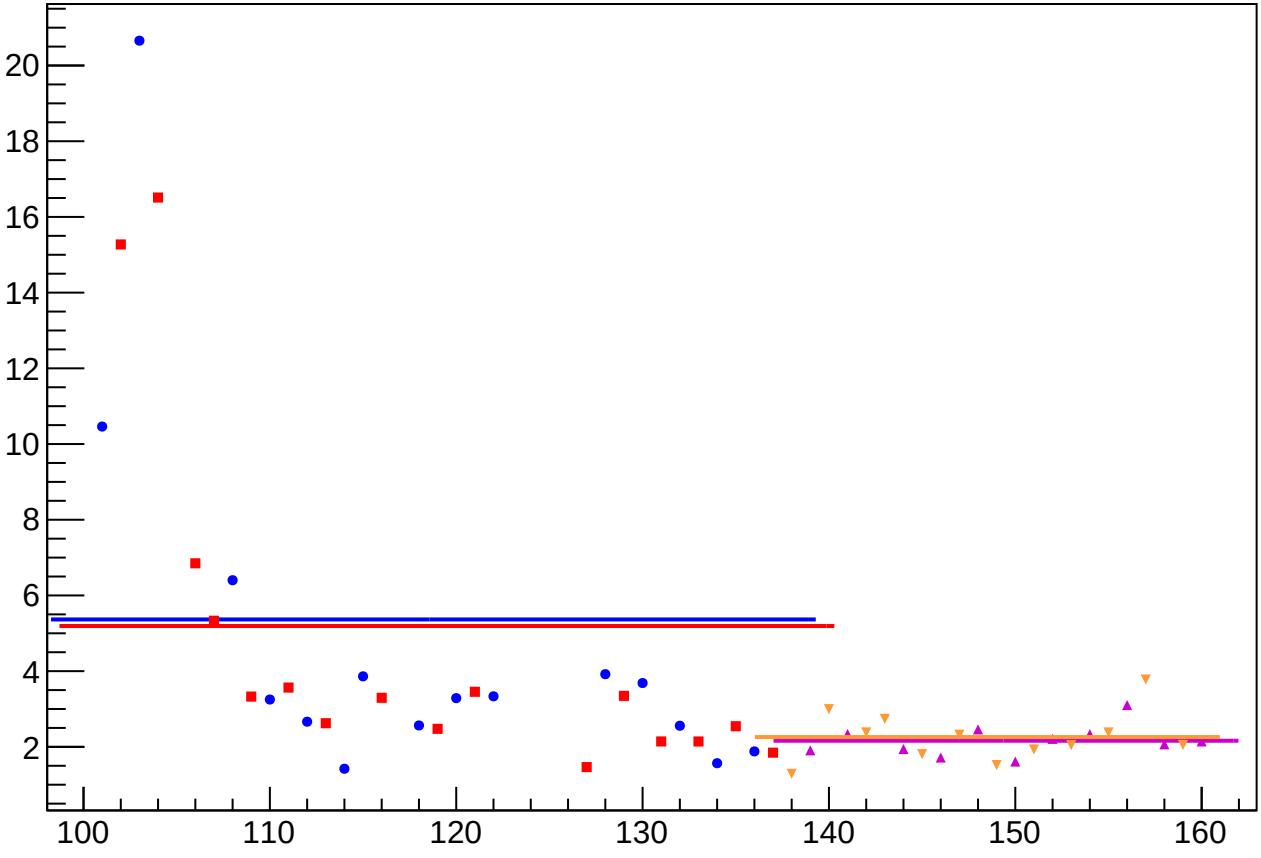
Left In: 5.441+/-0.000 $\chi^2$/NDF:969147874620390855399339032838144.0/10

+ sign 5.228+/-0.000 $\chi^2$/NDF: 5277527853709316 6

All: 5.157+/-0.000 $\chi^2$/NDF: 7526752383180 7

- sign 5.088+/-0.000 $\chi^2$/NDF: 2233771395337481 5

# dit_11X12X_coil6_err_mean vs Slug




Right In: 5.366+/-0.000 $\chi^2$/NDF: 1878072472206349709615300930122547 2.0/14

+ sign 3.549+/-0.000 $\chi^2$/NDF: 2284032483018928 6

Left Out: 2.259+/-0.000 $\chi^2$/NDF:39539961495195911612782151624294 4.0/11

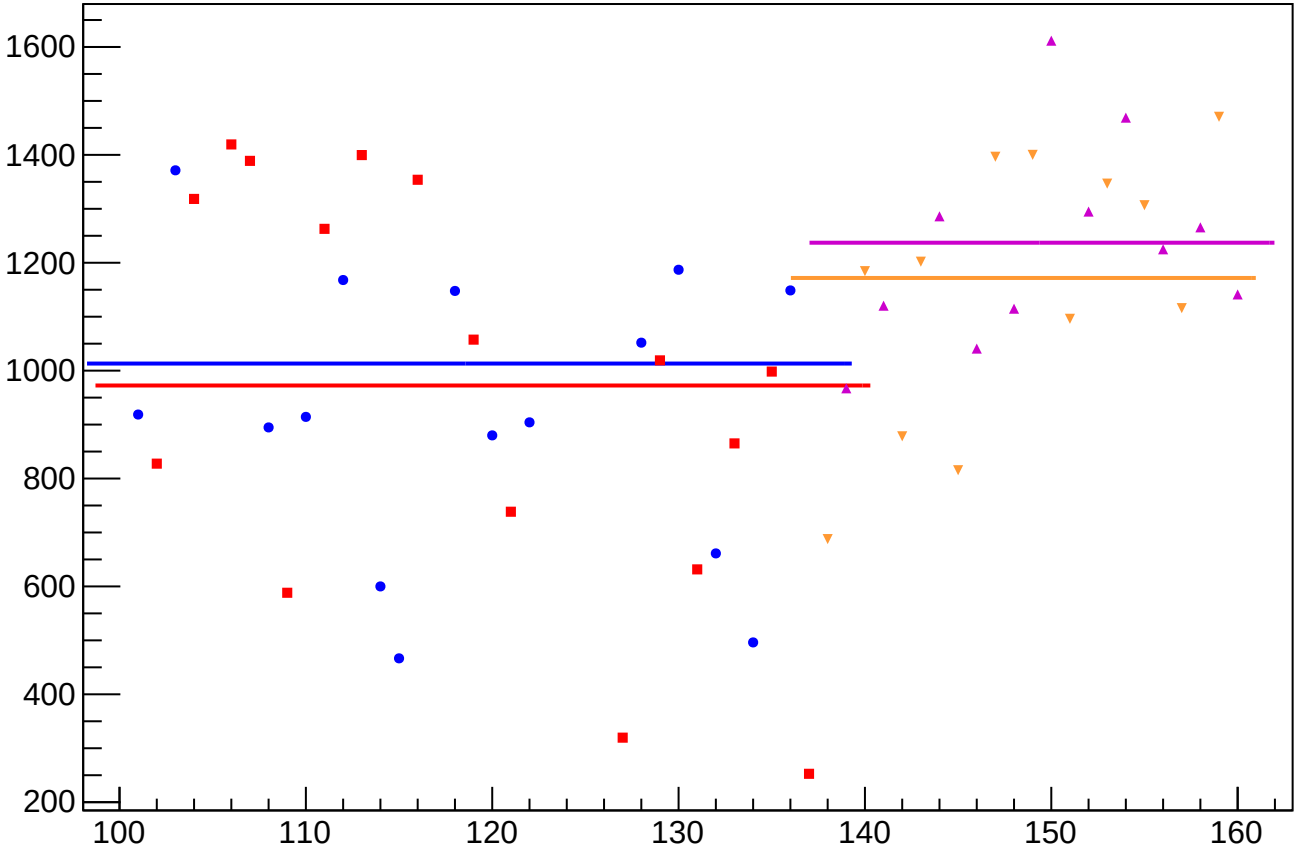
All: 3.490+/-0.000 $\chi^2$/NDF: 4229693907768 0

Right Out: 5.192+/-0.000 $\chi^2$/NDF: 1574957375494534575443243695289139 2.0/15

- sign 3.432+/-0.000 $\chi^2$/NDF: 1944582992061895 7

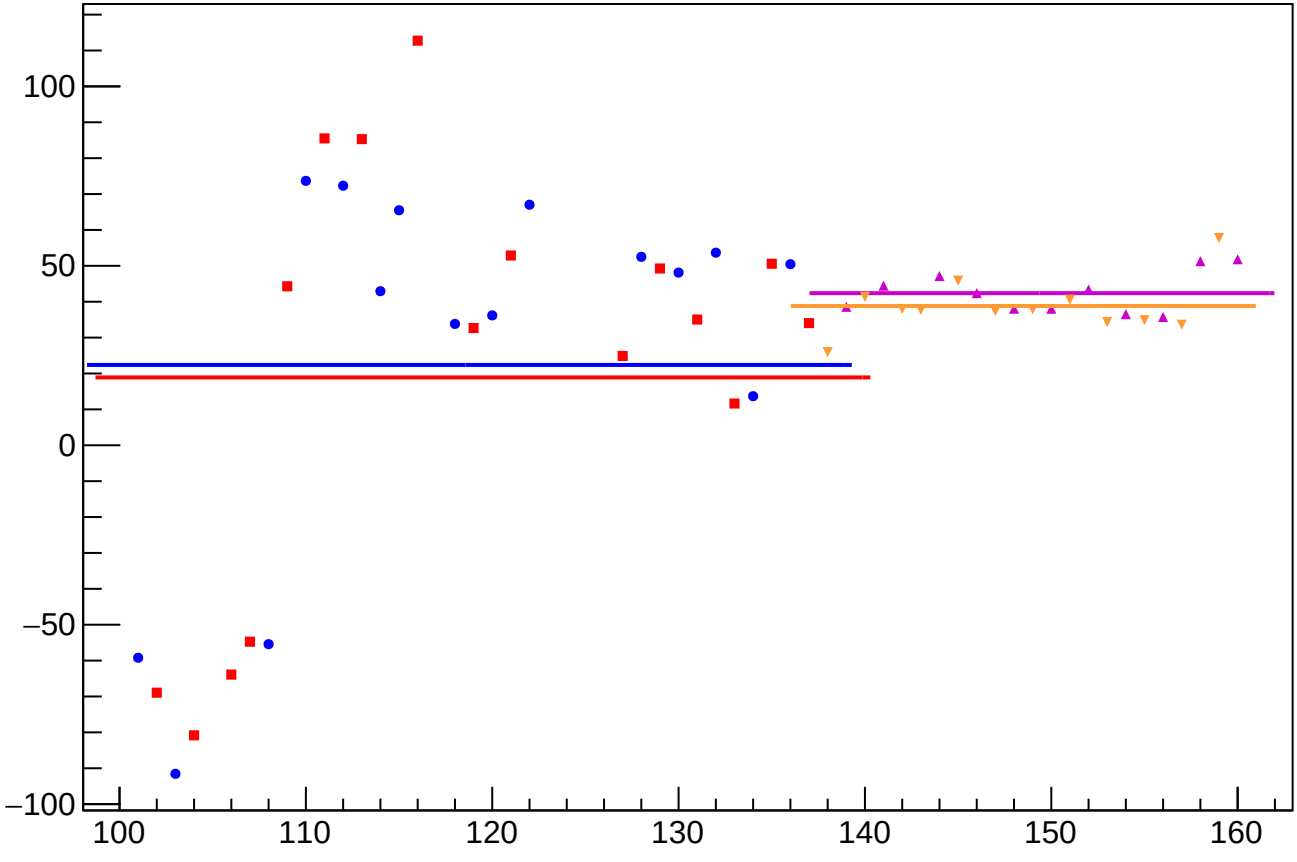
Left In: 2.162+/-0.000 $\chi^2$/NDF:1383679388391032485467510496296 96.0/10

# dit_11X12X_coil6_Ndata_mean vs Slug




Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14
+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:524249012820985838563124925770372218 88.0/11
All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3
Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15
- sign 1126.185+/-0.000 $\chi^2$/NDF: 1363465673346 0
Left In: 1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236723 20.0/10

# dit_4aY_coil6_mean vs Slug




Right In: 22.385+/-0.000 $\chi^2$/NDF: 192226086002359263779409418332300902 4.0/14

Left Out: 38.806+/-0.000 $\chi^2$/NDF:516499052921885882041725317661327 36.0/11

Right Out: 18.907+/-0.000 $\chi^2$/NDF: 218222180840815629359399399257783 7824.0/15

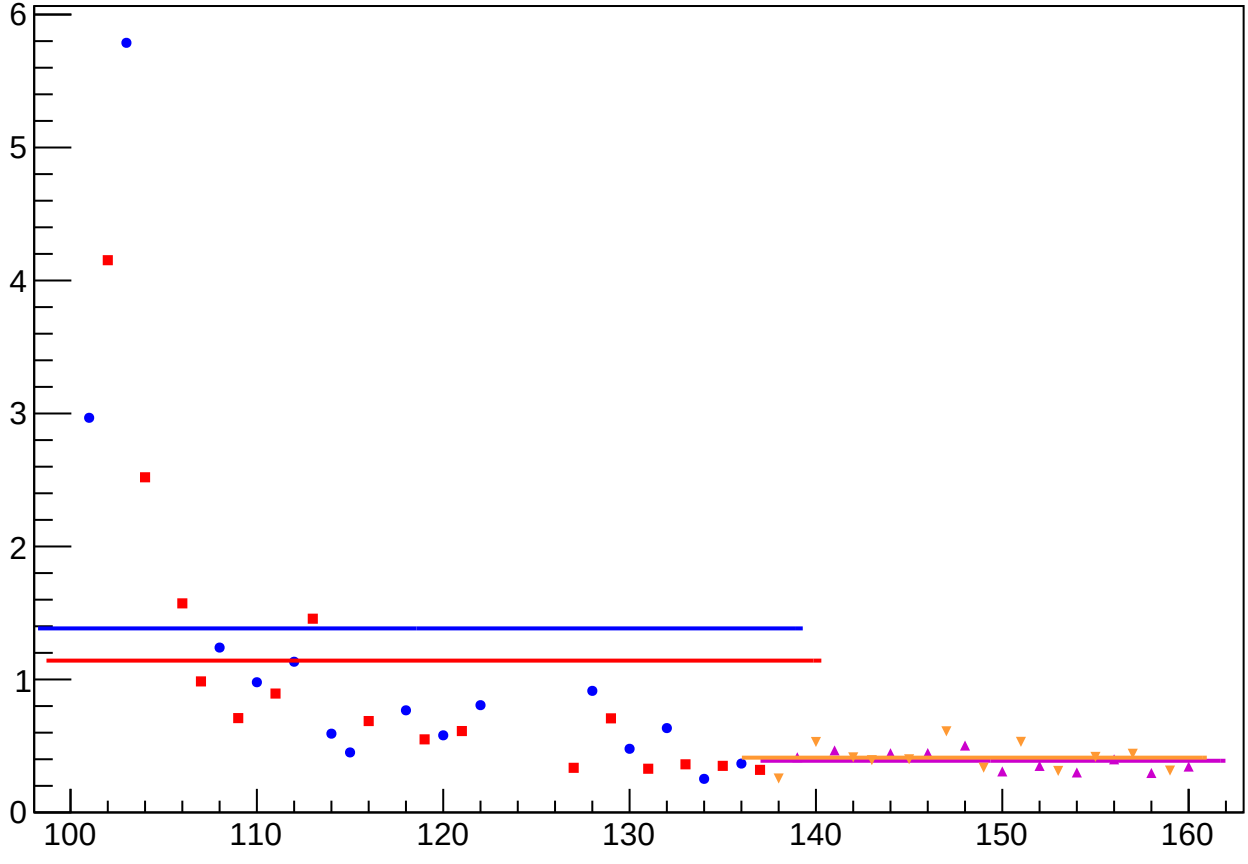
Left In: 42.386+/-0.000 $\chi^2$/NDF:265556601285629865530169274862141 44.0/10

+ sign 31.987+/-0.000 $\chi^2$/NDF: 2076251683338392

All: 32.268+/-0.000 $\chi^2$/NDF: 4498818256205

- sign 32.543+/-0.000 $\chi^2$/NDF: 2422323075583124

# dit_4aY_coil6_err_mean vs Slug




Right In: 1.384+/-0.000 $\chi^2$/NDF: 157115932410206412048794093669580 8.0/14

Left Out: 0.412+/-0.000 $\chi^2$/NDF:938241427547201867498346722099 2.0/11

Right Out: 1.142+/-0.000 $\chi^2$/NDF: 810680738285448955223066212827136.0/15

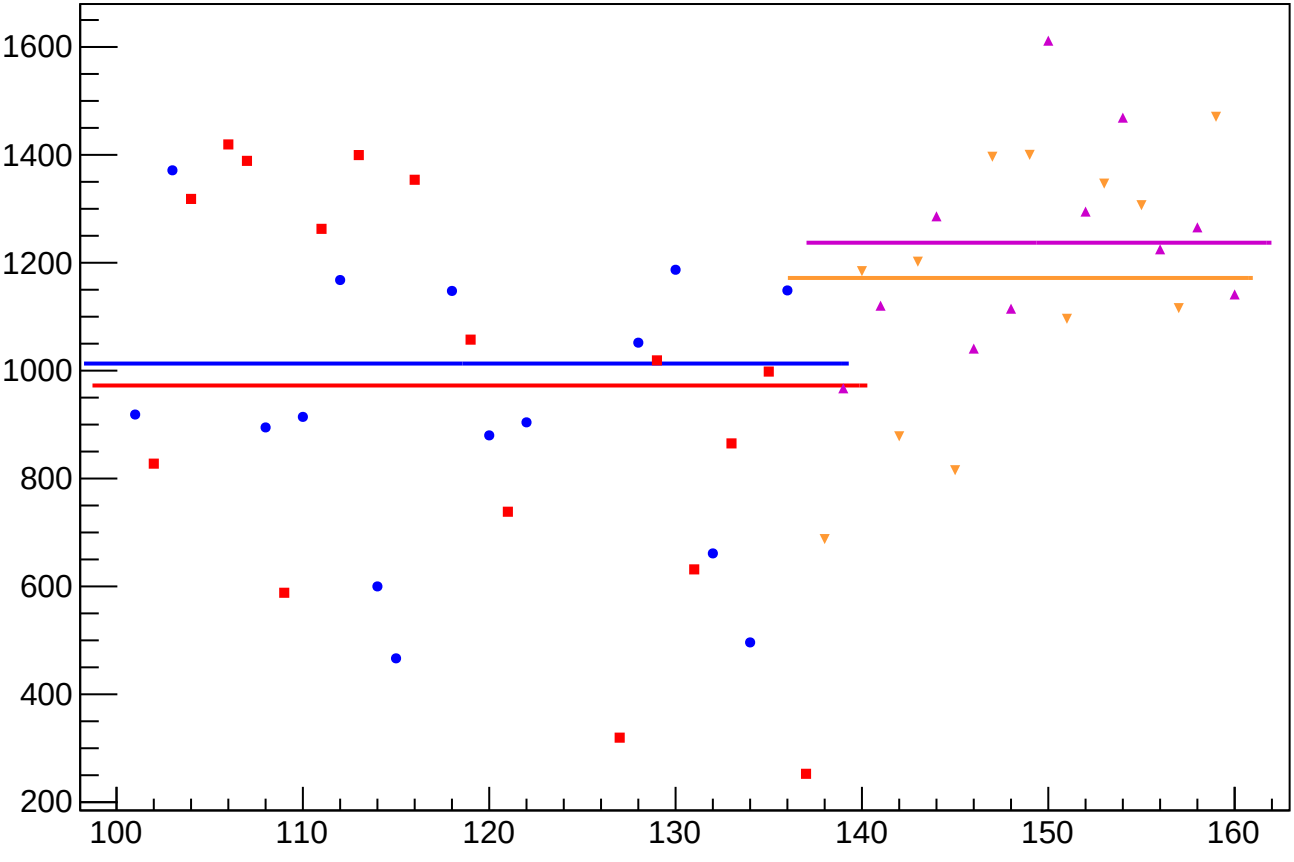
Left In: 0.389+/-0.000 $\chi^2$/NDF:446811213011264064139415466803 2.0/10

+ sign 0.816+/-0.000 $\chi^2$/NDF: 1938989534103537 8

All: 0.760+/-0.000 $\chi^2$/NDF: 2983619505756 6

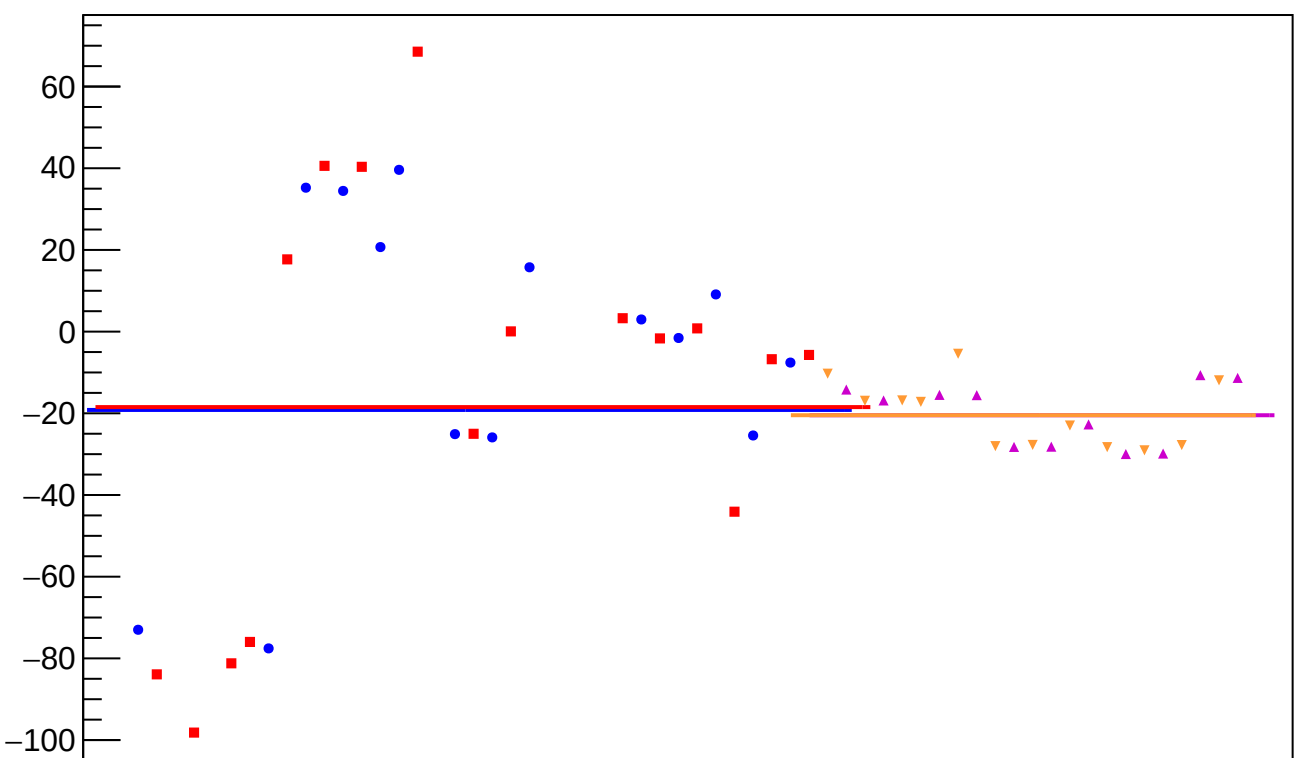
- sign 0.704+/-0.000 $\chi^2$/NDF: 1034872597888586 5

# dit_4aY_coil6_Ndata_mean vs Slug




Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14
+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722 1888.0/11
All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3
Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682 34752.0/15
- sign 1126.185+/-0.000 $\chi^2$/NDF: 13634656733460
Left In: 1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367 2320.0/10

# dit_4eY_coil6_mean vs Slug




Right In: -19.175+/-0.000 $\chi^2$/NDF: 1246364705689764961102868160463241216.0/14

+ sign -19.930+/-0.000 $\chi^2$/NDF: 130562508565939

Left Out: -20.466+/-0.000 $\chi^2$/NDF:5862838192367345729443358951289651 2.0/11

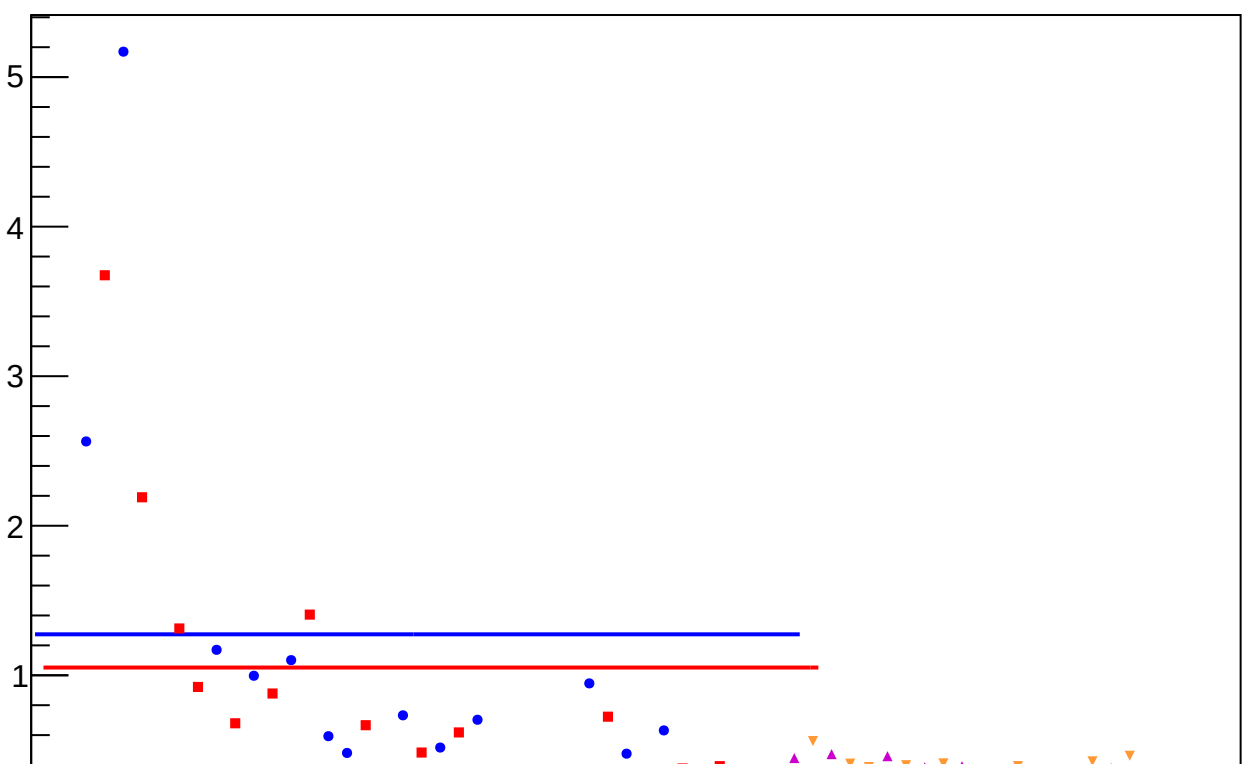
All: -19.782+/-0.000 $\chi^2$/NDF: 284511592850

Right Out: -18.479+/-0.000 $\chi^2$/NDF: 1489398115046175180640331393369374720.0/15

- sign -19.637+/-0.000 $\chi^2$/NDF: 1539423306551337

Left In: -20.473+/-0.000 $\chi^2$/NDF:4848495336334982011034847893730099 2.0/10

# dit_4eY_coil6_err_mean vs Slug




Right In: 1.274+/-0.000 $\chi^2$/NDF: 1212041476631073599154045304438784.0/14

Left Out: 0.384+/-0.000 $\chi^2$/NDF:58223220290785982682601294397 44.0/11

Right Out: 1.052+/-0.000 $\chi^2$/NDF: 607316121057753919194559126962176.0/15

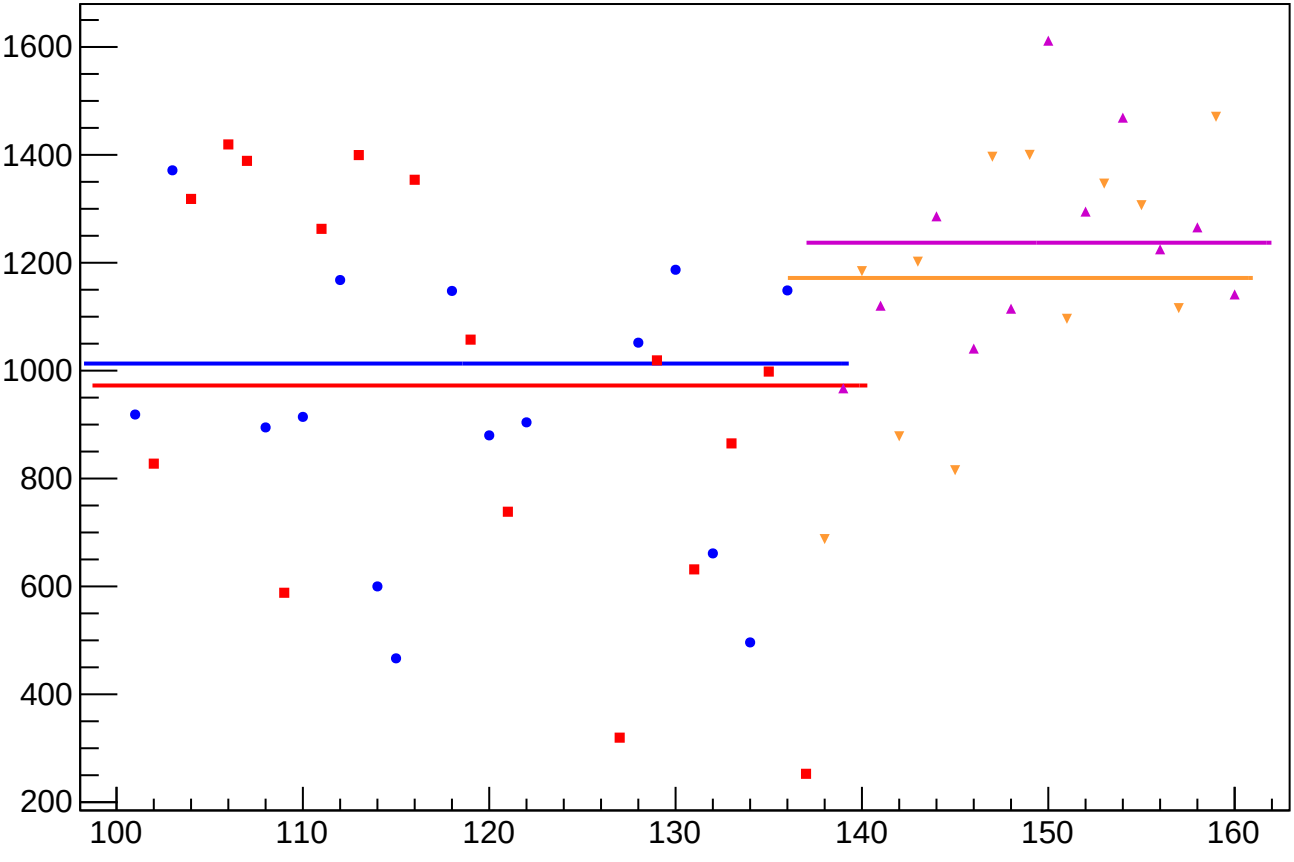
Left In: 0.369+/-0.000 $\chi^2$/NDF:41663506388481386767078161 12128.0/10

+ sign 0.754+/-0.000 $\chi^2$/NDF: 1518228086882446 8

All: 0.704+/-0.000 $\chi^2$/NDF: 2317786361226 1

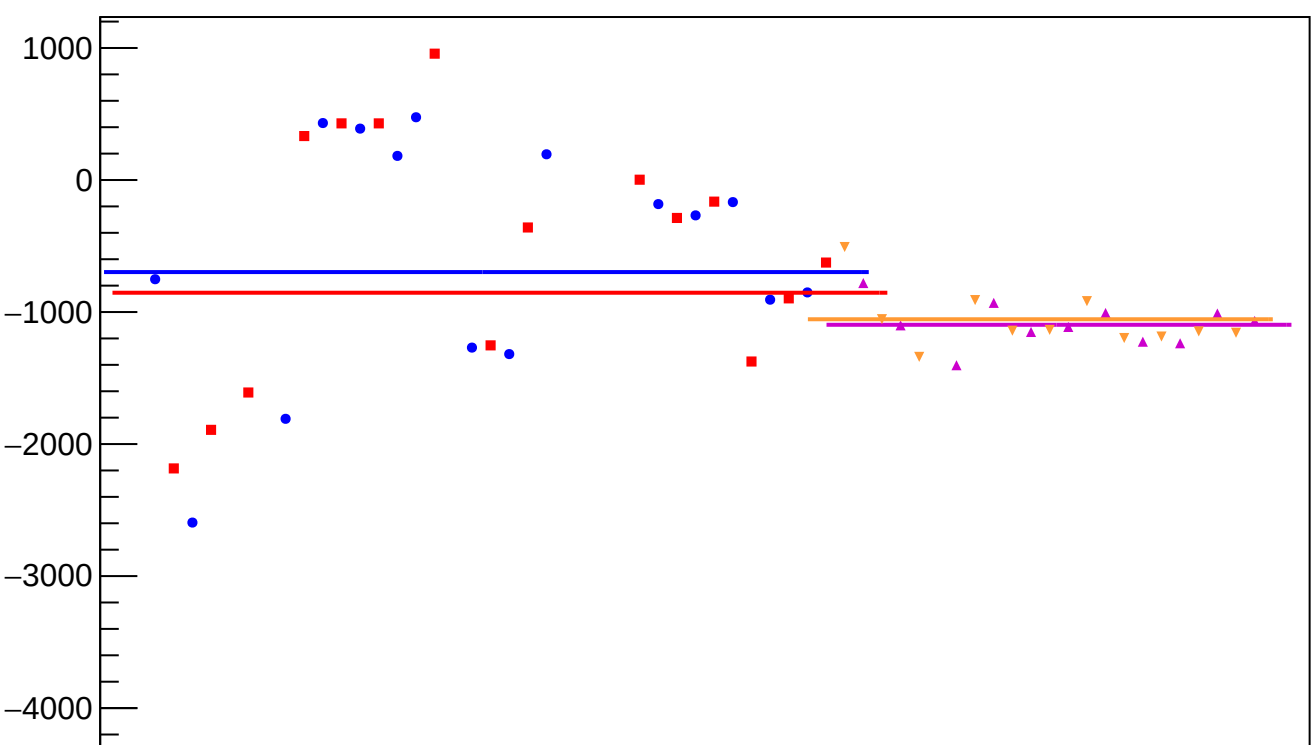
- sign 0.655+/-0.000 $\chi^2$/NDF: 7919391626882888 1

# dit_4eY_coil6_Ndata_mean vs Slug



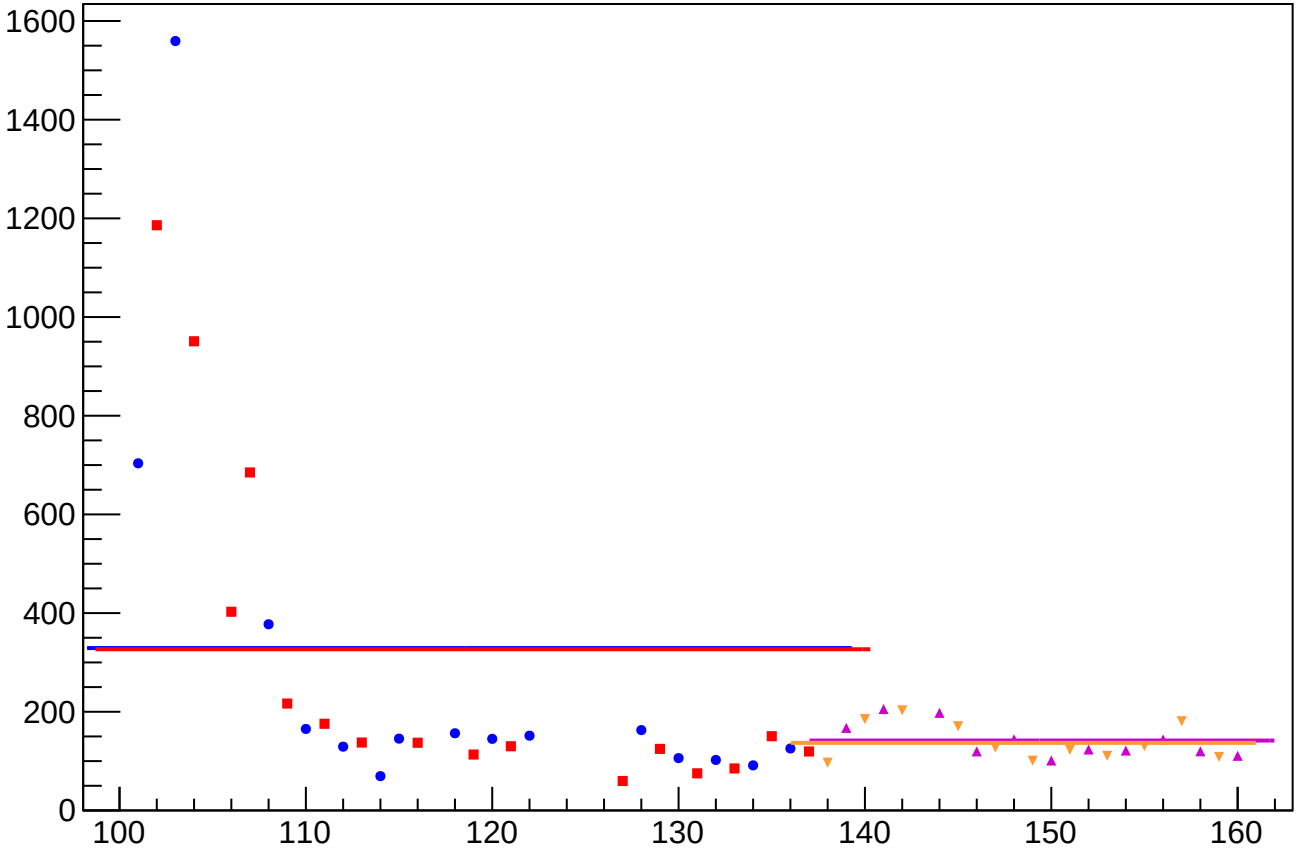

Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14
+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722 1888.0/11
All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3
Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15
- sign 1126.185+/-0.000 $\chi^2$/NDF: 1363465673346 0
Left In: 1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367 2320.0/10

# dit_usl_coil6_mean vs Slug




Right In: -697.283+/-0.000 $\chi^2$/NDF: 490435790698133828475769692944364208128.0/14
+ sign -899.630+/-0.000 $\chi^2$/NDF: 57326318903301
Left Out: -1054.675+/-0.000 $\chi^2$/NDF:358934145617512898310280045358051491 84.0/10
All: -948.643+/-0.000 $\chi^2$/NDF: 17048438468
Right Out: -853.734+/-0.000 $\chi^2$/NDF: 107837902012641231715593227515620176 6912.0/15
- sign -994.729+/-0.000 $\chi^2$/NDF: 112460764695899
Left In: -1096.508+/-0.000 $\chi^2$/NDF:233970924640850923750080146745579 27424.0/10

# dit_usl_coil6_err_mean vs Slug




Right In: 329.108+/-0.000 $\chi^2$/NDF: 116863820700538623524207945698672377856.0/14

+ sign 220.348+/-0.000 $\chi^2$/NDF: 131437286987264

Left Out: 137.012+/-0.000 $\chi^2$/NDF:101436281743819413270965517262258176 0.0/10

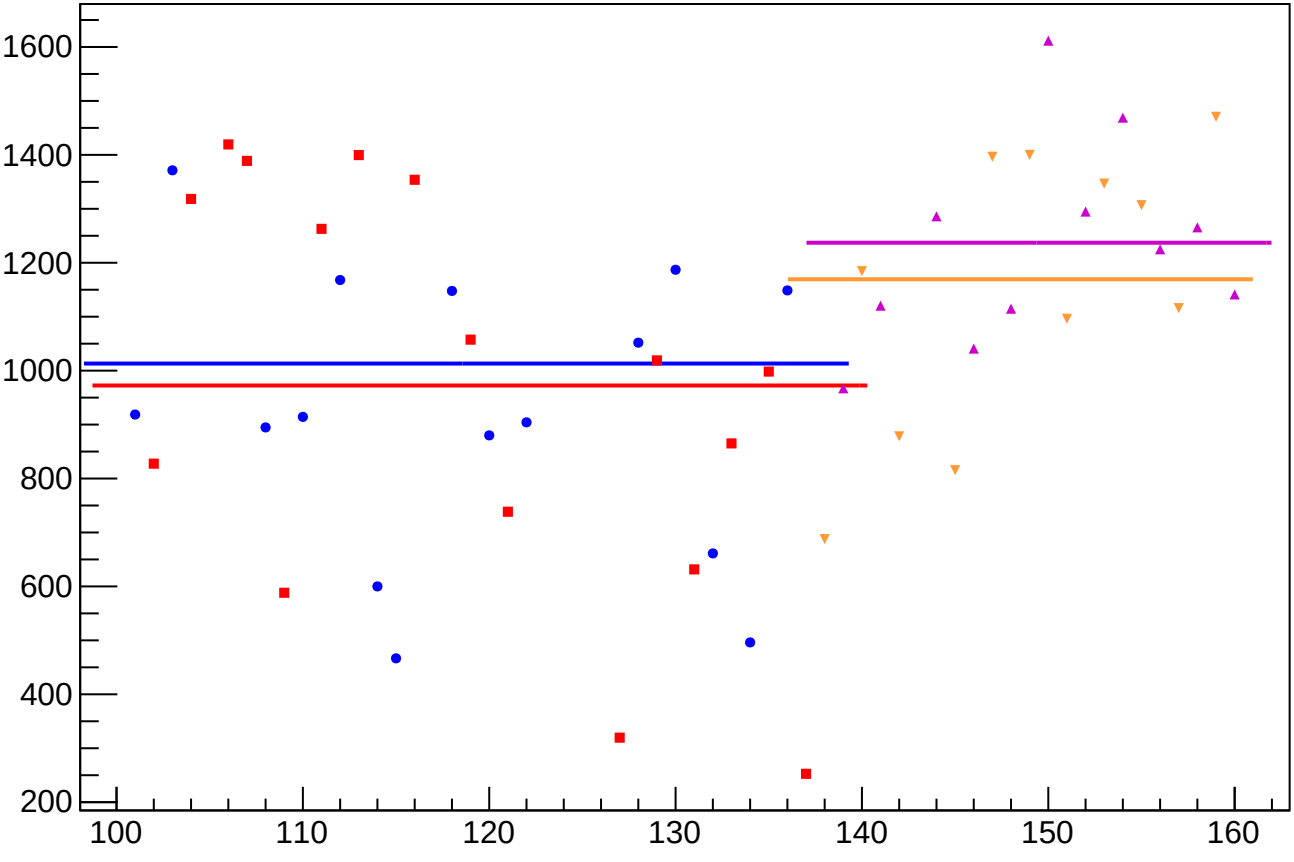
All: 219.782+/-0.000 $\chi^2$/NDF: 233310972456

Right Out: 326.695+/-0.000 $\chi^2$/NDF: 875691233543180206886110284151510794 24.0/15

- sign 219.249+/-0.000 $\chi^2$/NDF: 101872754009430

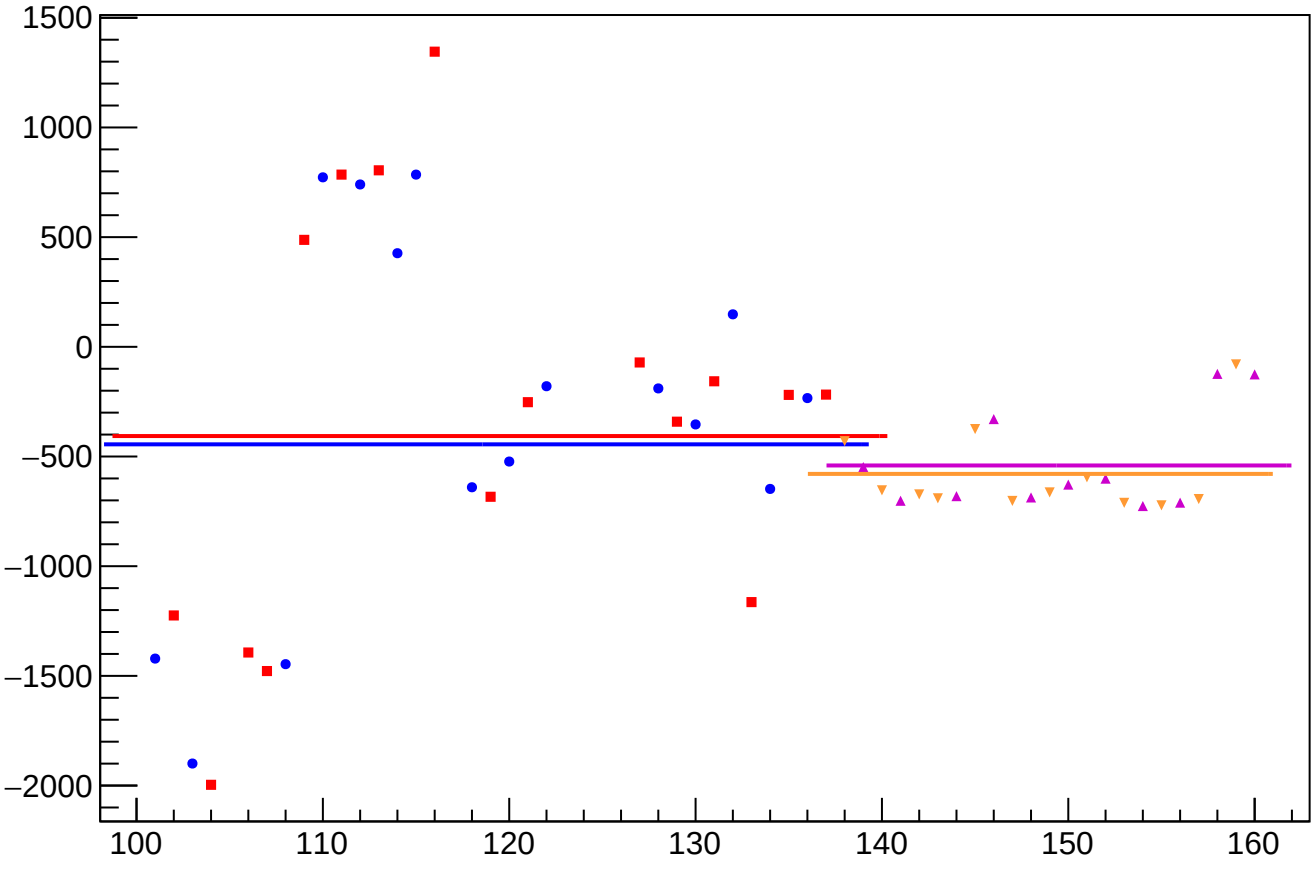
Left In: 141.688+/-0.000 $\chi^2$/NDF:104488240805784919408142413060059955 2.0/10

# dit_usl_coil6_Ndata_mean vs Slug



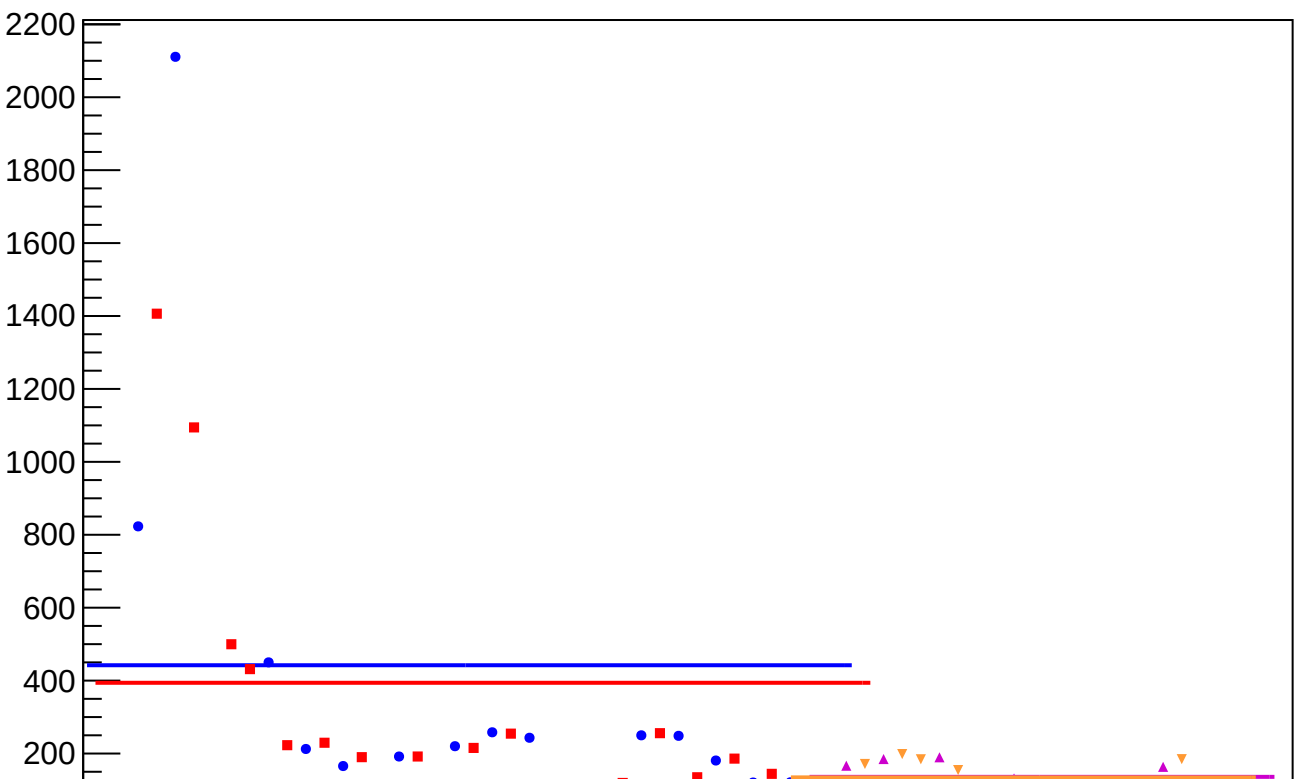

Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14
+ sign 1101.625+/-0.000 $\chi^2$/NDF: 9305398859829 5
Left Out: 1169.420+/-0.000 $\chi^2$/NDF:5235905852848421215297581793055395 0208.0/10
All: 1114.283+/-0.000 $\chi^2$/NDF: 2298656455 5
Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15
- sign 1126.185+/-0.000 $\chi^2$/NDF: 1363465673346 0
Left In: 1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367 2320.0/10

# dit_usr_coil6_mean vs Slug




Right In: -444.512+/-0.000 $\chi^2$/NDF: 3964819035015937030665358512299536547 84.0/14
+ sign -523.316+/-0.000 $\chi^2$/NDF: 43595864947593
Left Out: -579.272+/-0.000 $\chi^2$/NDF:3258458152452886094159559740704266649 6.0/11
All: -503.795+/-0.000 $\chi^2$/NDF: 10158993354
Right Out: -406.729+/-0.000 $\chi^2$/NDF: 5291224218667748100129417822391291084 80.0/15
- sign -484.617+/-0.000 $\chi^2$/NDF: 57875992713105
Left In: -540.842+/-0.000 $\chi^2$/NDF:4267019331749781791103036746636669747 2.0/10

# dit_usr_coil6_err_mean vs Slug




Right In: 442.162+/-0.000 $\chi^2$/NDF: 204015999343694089140945697316947361792.0/14

+ sign 262.286+/-0.000 $\chi^2$/NDF: 241048188566854

Left Out: 134.562+/-0.000 $\chi^2$/NDF:112312226540328749702431763383451648 0.0/11

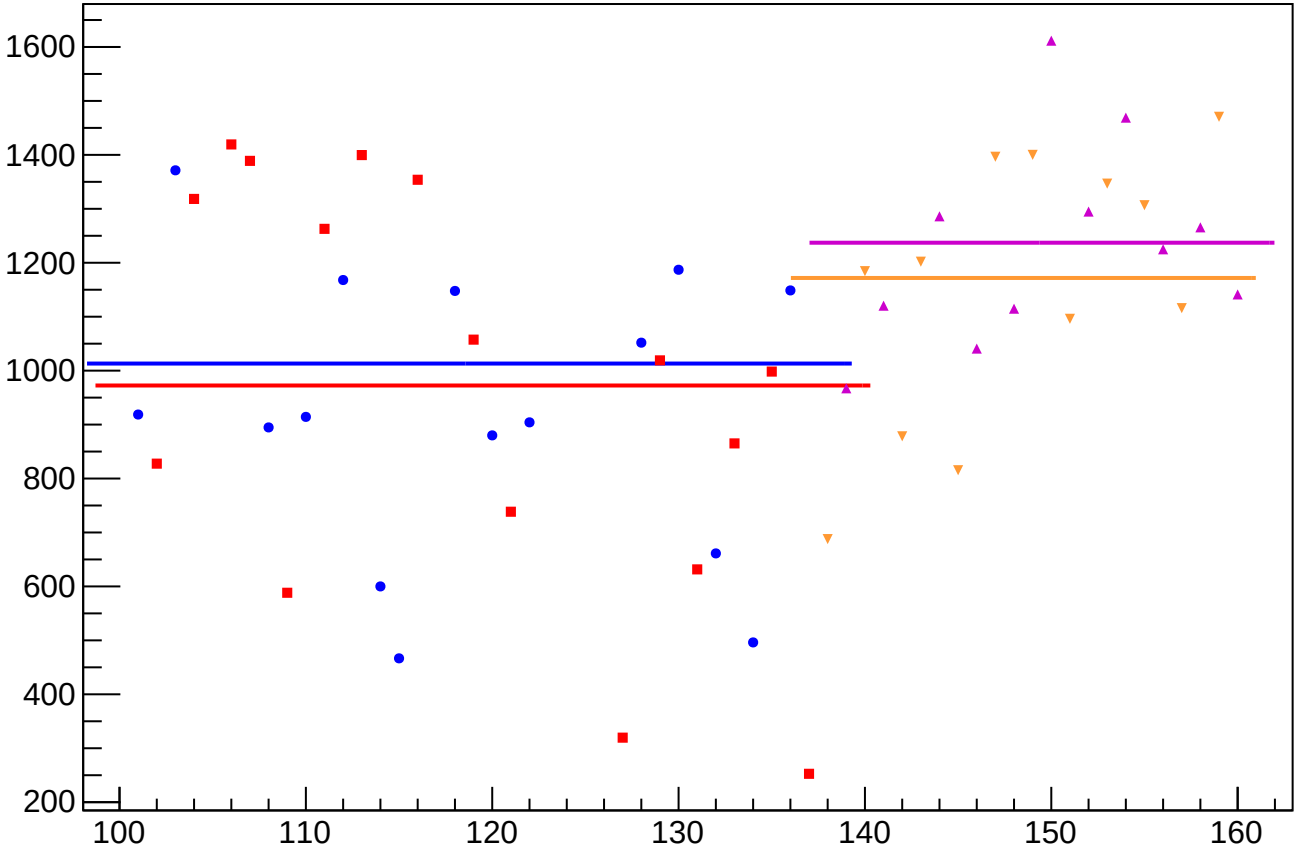
All: 253.162+/-0.000 $\chi^2$/NDF: 37398353308

Right Out: 394.033+/-0.000 $\chi^2$/NDF: 105882611624182009489804426207740035072.0/15

- sign 244.199+/-0.000 $\chi^2$/NDF: 132677424429000

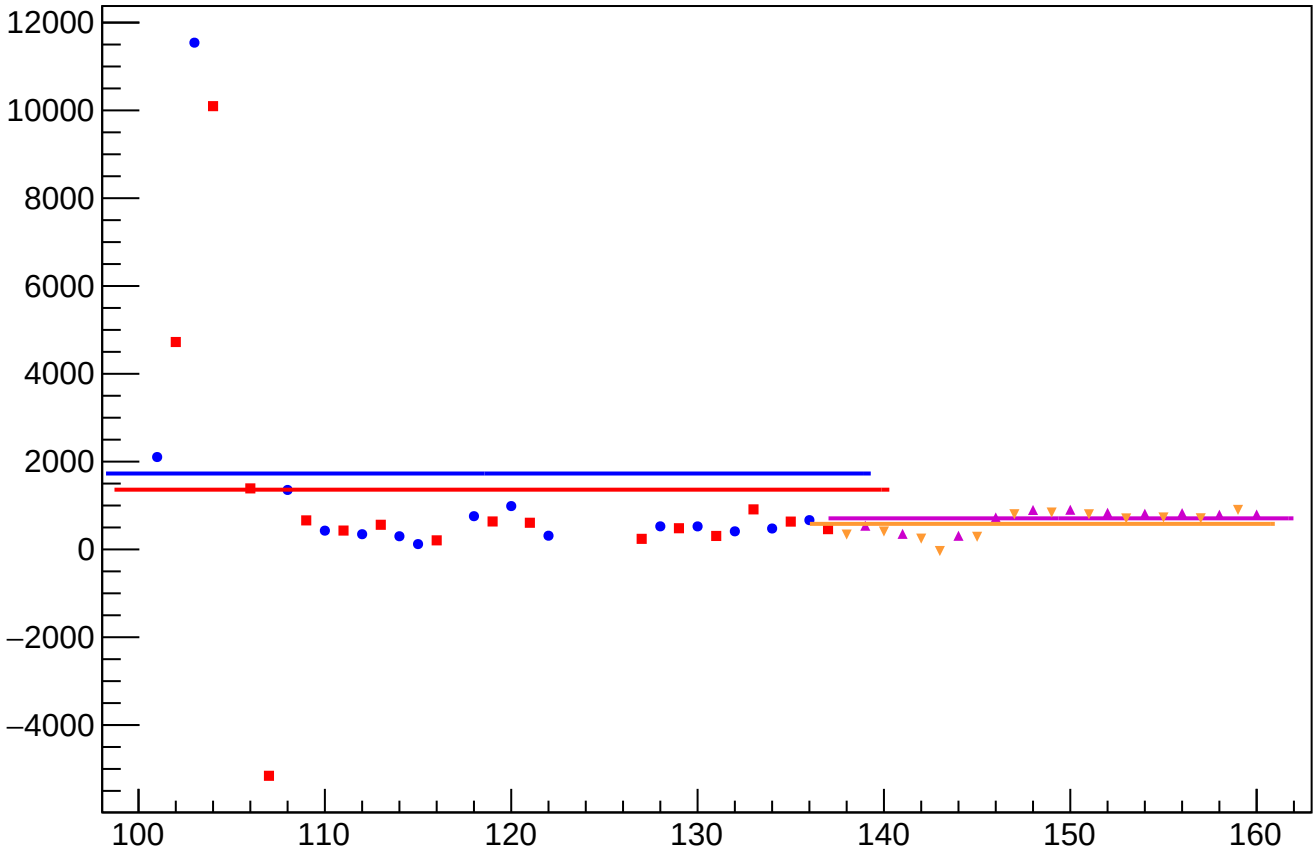
Left In: 136.040+/-0.000 $\chi^2$/NDF:101109306147965052726112745049554 9440.0/10

# dit_usr_coil6_Ndata_mean vs Slug



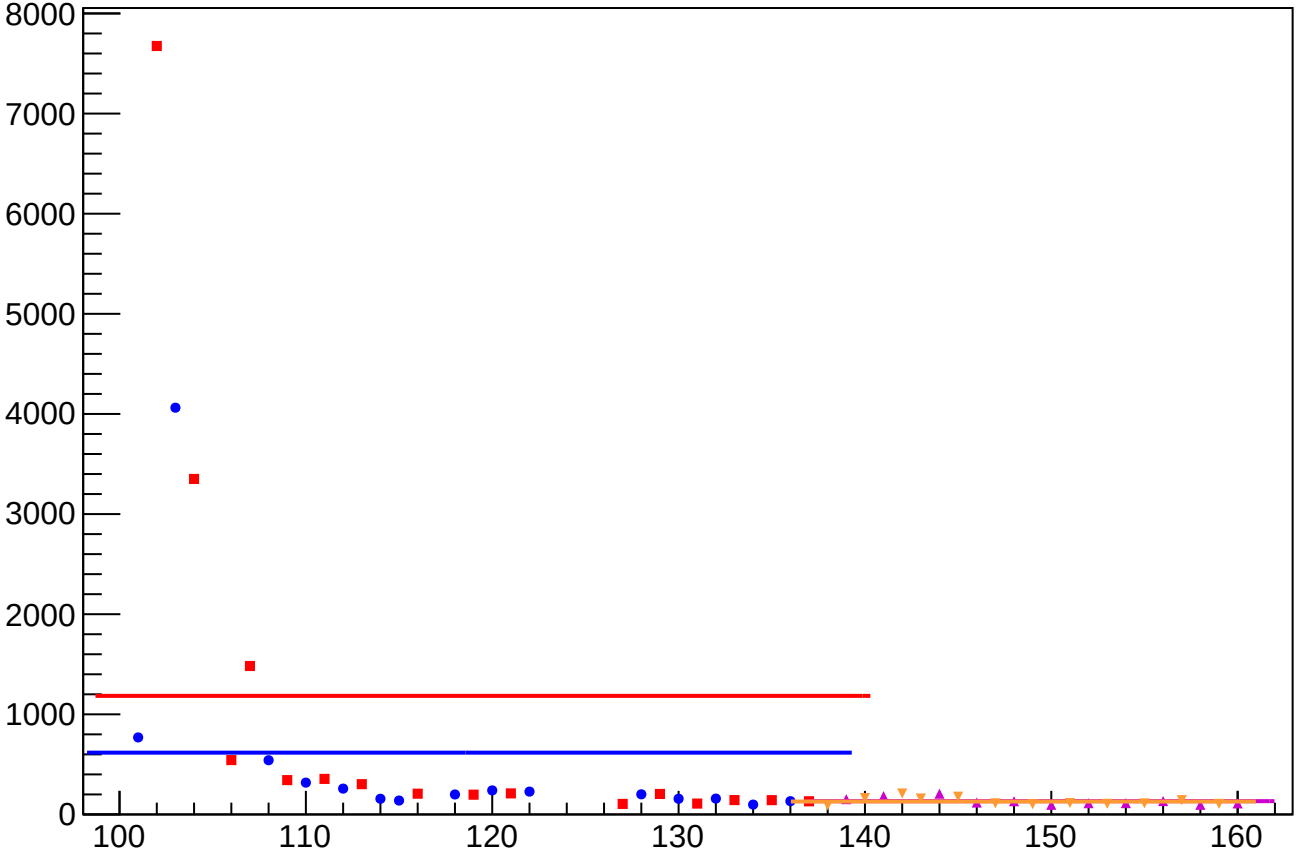

Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14
+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:524249012820985838563124925770372218 88.0/11
All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3
Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15
- sign 1126.185+/-0.000 $\chi^2$/NDF: 1363465673346 0
Left In: 1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236723 20.0/10

# dit_atl1_coil6_mean vs Slug



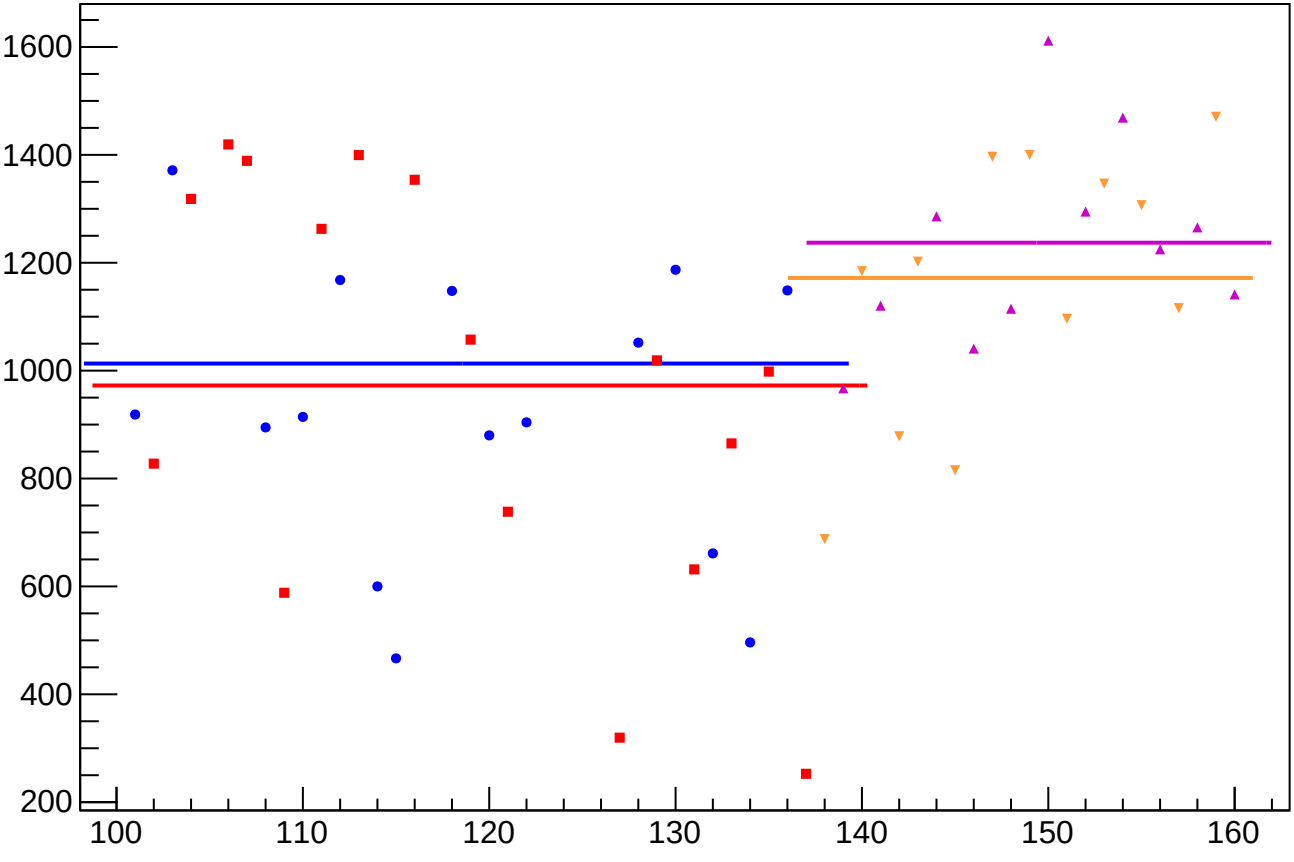

Right In: 1729.013+/-0.000 $\chi^2$/NDF: 641312129727334740807562411650796486656 0.0/14
+ sign 1058.360+/-0.000 $\chi^2$/NDF: 69823808255157
Left Out: 582.152+/-0.000 $\chi^2$/NDF:700837726478314861257329897688017141 76.0/11
All: 1019.669+/-0.000 $\chi^2$/NDF: 1362193289 5
Right Out: 1360.914+/-0.000 $\chi^2$/NDF: 643160593314886341303841785018650617 4464.0/15
- sign 981.659+/-0.000 $\chi^2$/NDF: 663491357929352
Left In: 707.889+/-0.000 $\chi^2$/NDF:381164861888179806990324260024321310 72.0/10

# dit_atl1_coil6_err_mean vs Slug



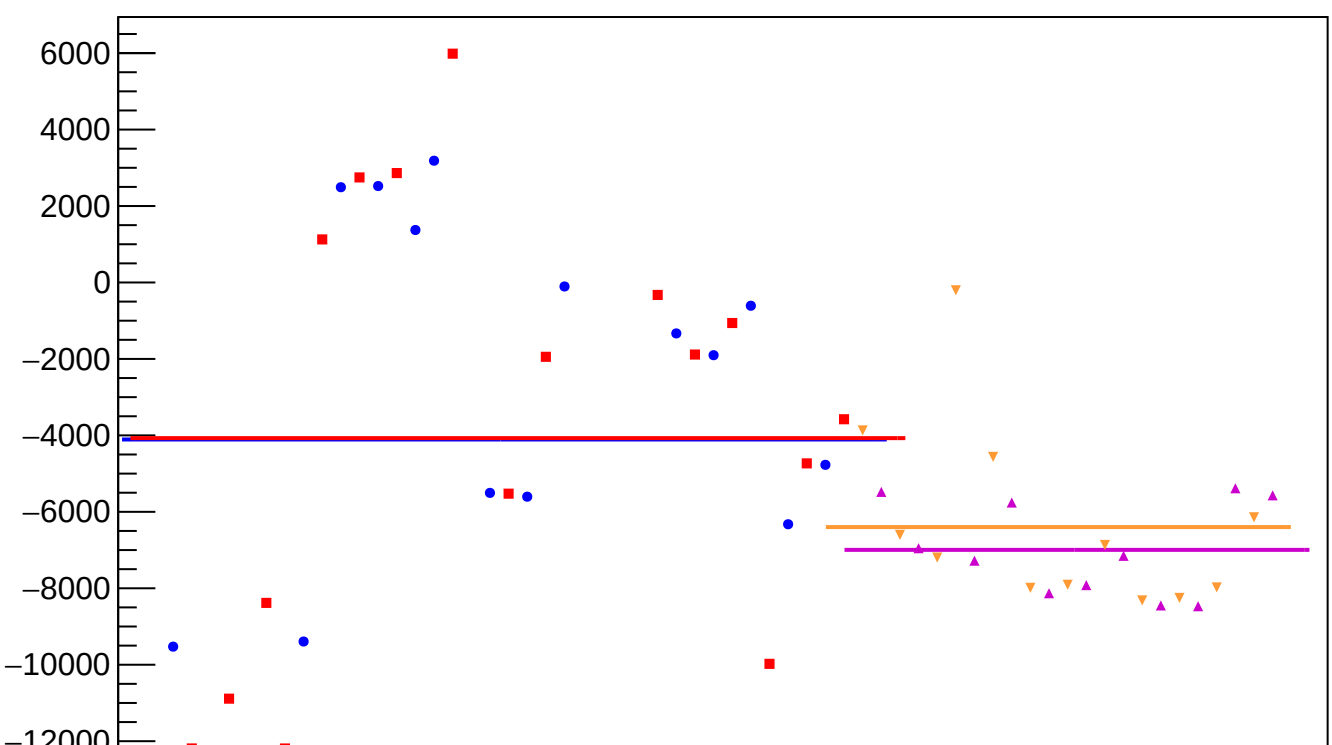

Right In: 617.343+/-0.000 $\chi^2$/NDF: 7923660129859541983453177502687559680 00.0/14
+ sign 331.972+/-0.000 $\chi^2$/NDF: 883734584018434
Left Out: 129.339+/-0.000 $\chi^2$/NDF:98727129875870321248937043989993881 6.0/11
All: 453.895+/-0.000 $\chi^2$/NDF: 45265690321 2
Right Out: 1184.322+/-0.000 $\chi^2$/NDF: 3167423043121242666563535820496559931392.0/15
- sign 573.673+/-0.000 $\chi^2$/NDF: 359677429953367
Left In: 132.869+/-0.000 $\chi^2$/NDF:109183908566401411220146315571127910 4.0/10

# dit_atl1_coil6_Ndata_mean vs Slug




Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14
+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722 1888.0/11
All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3
Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682 34752.0/15
- sign 1126.185+/-0.000 $\chi^2$/NDF: 1363465673346 0
Left In: 1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367 2320.0/10

# dit_atl2_coil6_mean vs Slug




Right In: -4107.443+/-0.000 $\chi^2$/NDF: 1452743632498203145427778083121181963059 2.0/14

Left Out: -6398.906+/-0.000 $\chi^2$/NDF:4560292812943761149136938286094472970240.0/11

Right Out: -4072.120+/-0.000 $\chi^2$/NDF: 2036717142369016809577885467876492994150 4.0/15

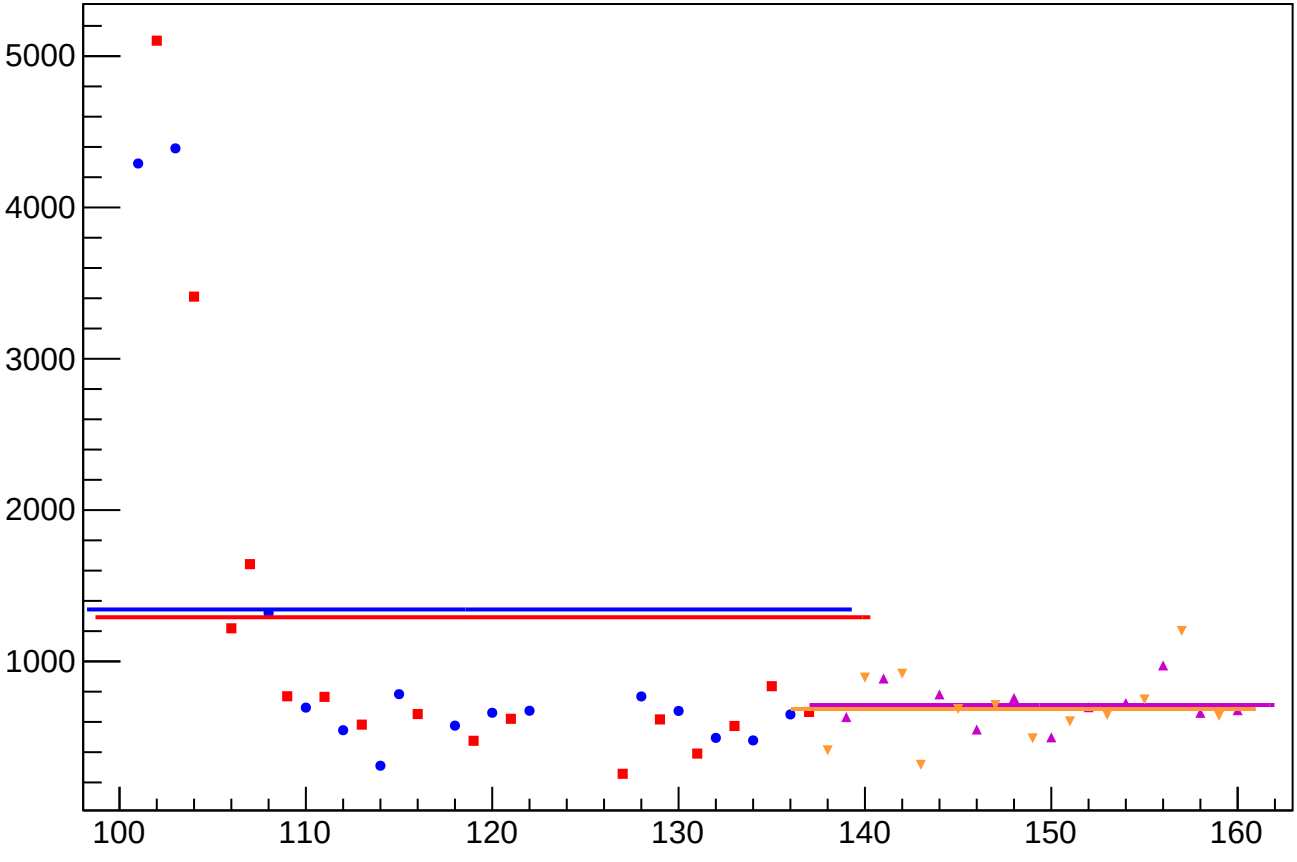
Left In: -6994.812+/-0.000 $\chi^2$/NDF:1231738289385705389055875270097690951680.0/10

+ sign -5447.429+/-0.000 $\chi^2$/NDF: 2108050211497

All: -5609.905+/-0.000 $\chi^2$/NDF: 4607018672

- sign -5769.523+/-0.000 $\chi^2$/NDF: 2490788852952 8

# dit_atl2_coil6_err_mean vs Slug




Right In: 1343.321+/-0.000 $\chi^2$/NDF: 1317478352429773686550511077330771771392.0/14

+ sign 958.532+/-0.000 $\chi^2$/NDF: 152813586967555

Left Out: 685.307+/-0.000 $\chi^2$/NDF:46333249080985813233742212153458294784.0/11

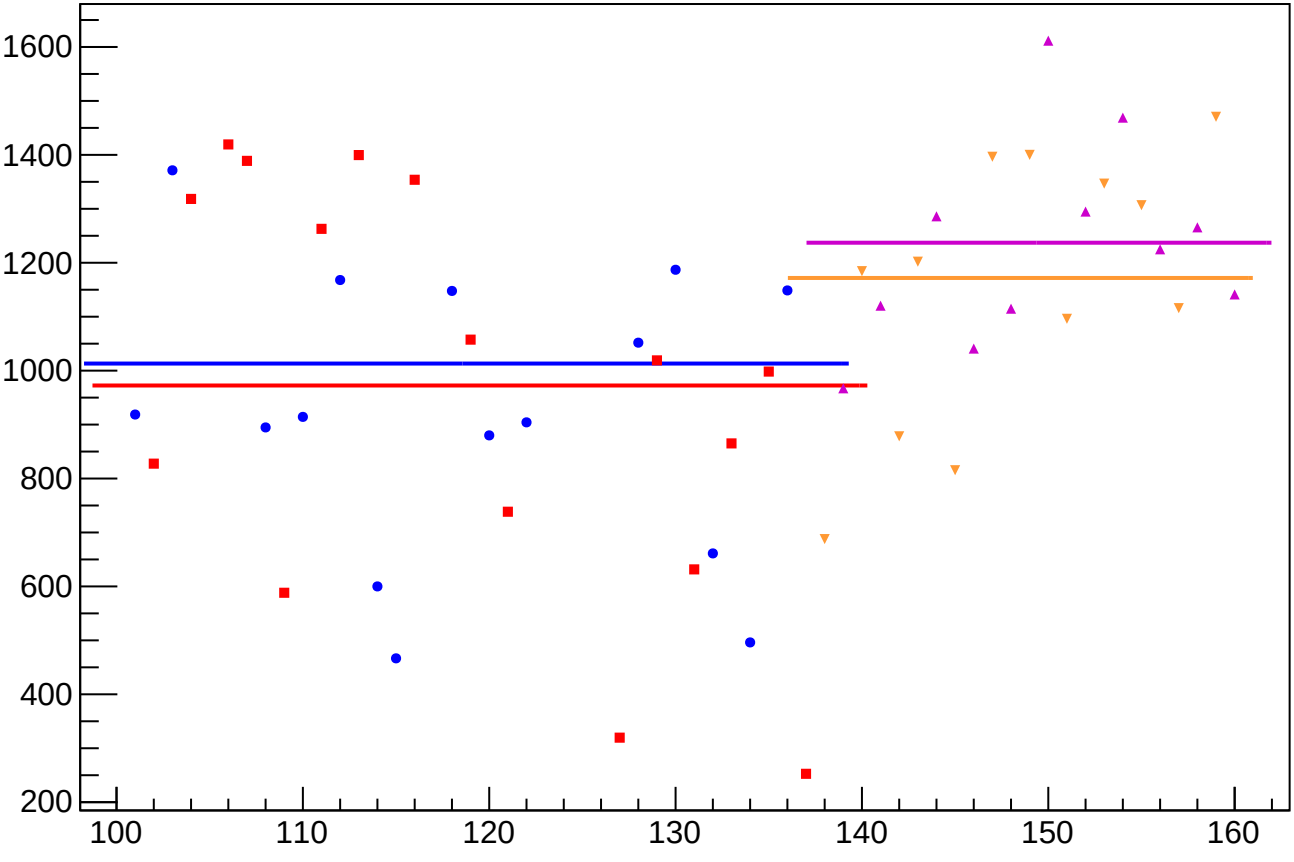
All: 956.706+/-0.000 $\chi^2$/NDF: 299793196976

Right Out: 1291.796+/-0.000 $\chi^2$/NDF: 13235689170088729779059600115869910302 72.0/15

- sign 954.911+/-0.000 $\chi^2$/NDF: 146978575897924

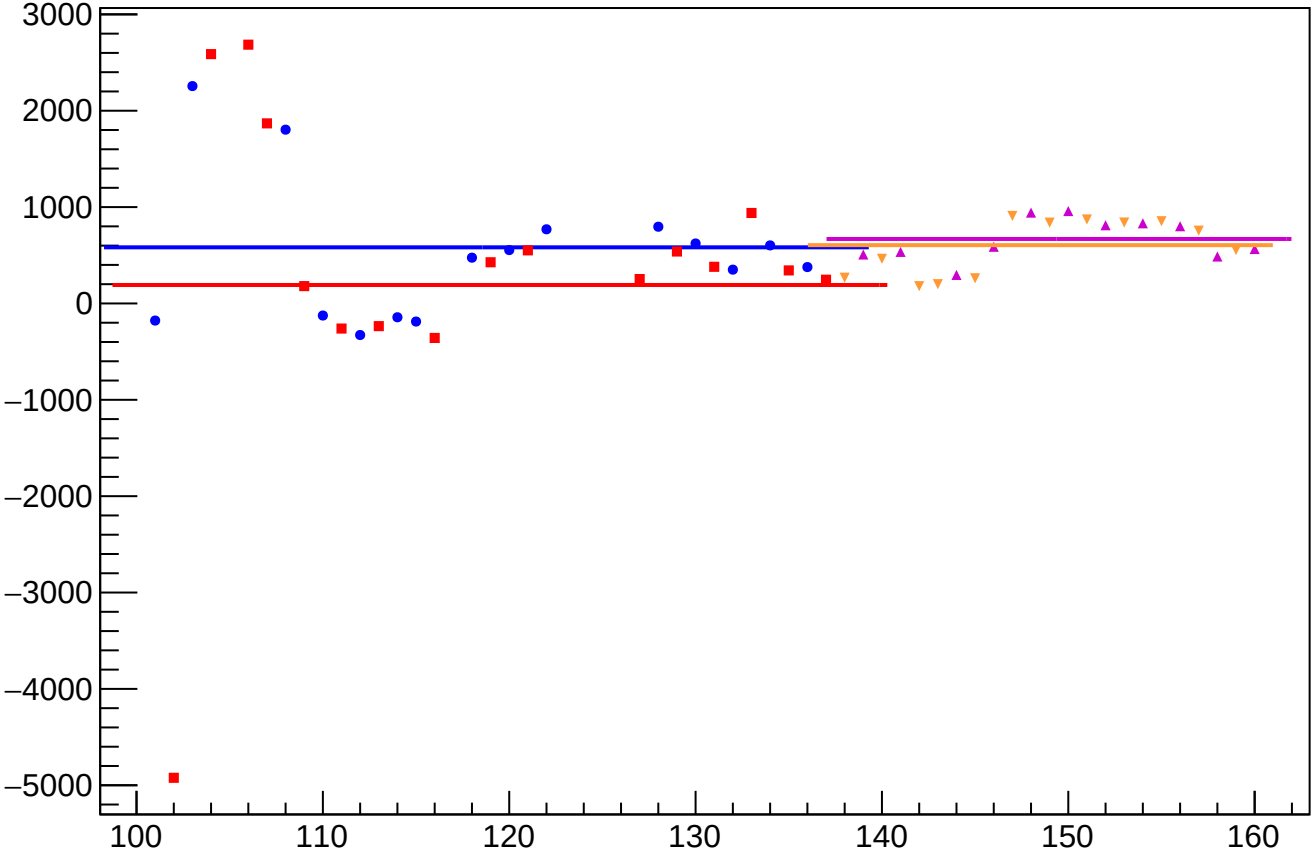
Left In: 711.726+/-0.000 $\chi^2$/NDF:158734199795832073070684292470171238 40.0/10

# dit_atl2_coil6_Ndata_mean vs Slug




Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14
+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722 1888.0/11
All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3
Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15
- sign 1126.185+/-0.000 $\chi^2$/NDF: 1363465673346 0
Left In: 1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367 2320.0/10

# dit_atr1_coil6_mean vs Slug




Right In: 582.390+/-0.000 $\chi^2$/NDF: 338796567623032040072791996460490031104.0/14

+ sign 595.655+/-0.000 $\chi^2$/NDF: 406904373797989

Left Out: 605.074+/-0.000 $\chi^2$/NDF:679125152454461967299371308827059159 04.0/11

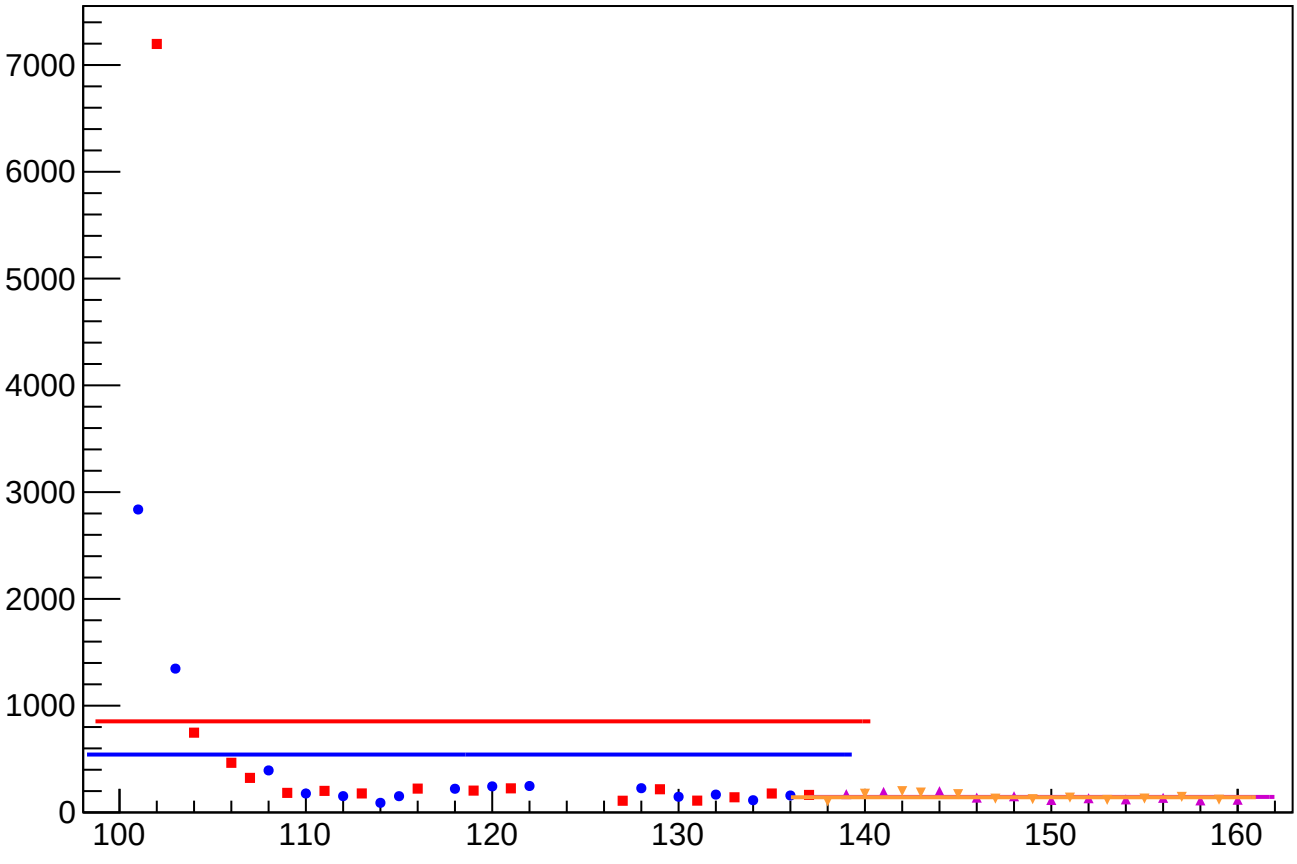
All: 531.737+/-0.000 $\chi^2$/NDF: 27161550392 5

Right Out: 191.587+/-0.000 $\chi^2$/NDF: 216876212055234622341674300502071626 9568.0/15

- sign 468.943+/-0.000 $\chi^2$/NDF: 229659160910176

Left In: 669.155+/-0.000 $\chi^2$/NDF:394811952405636172538422305226164797 44.0/10

# dit_atr1_coil6_err_mean vs Slug




Right In: 542.328+/-0.000 $\chi^2$/NDF: 414378812003795549649034048462817067008.0/14

+ sign 308.422+/-0.000 $\chi^2$/NDF: 475799684039922

Left Out: 142.333+/-0.000 $\chi^2$/NDF:699754234994212847043453967042347008.0/11

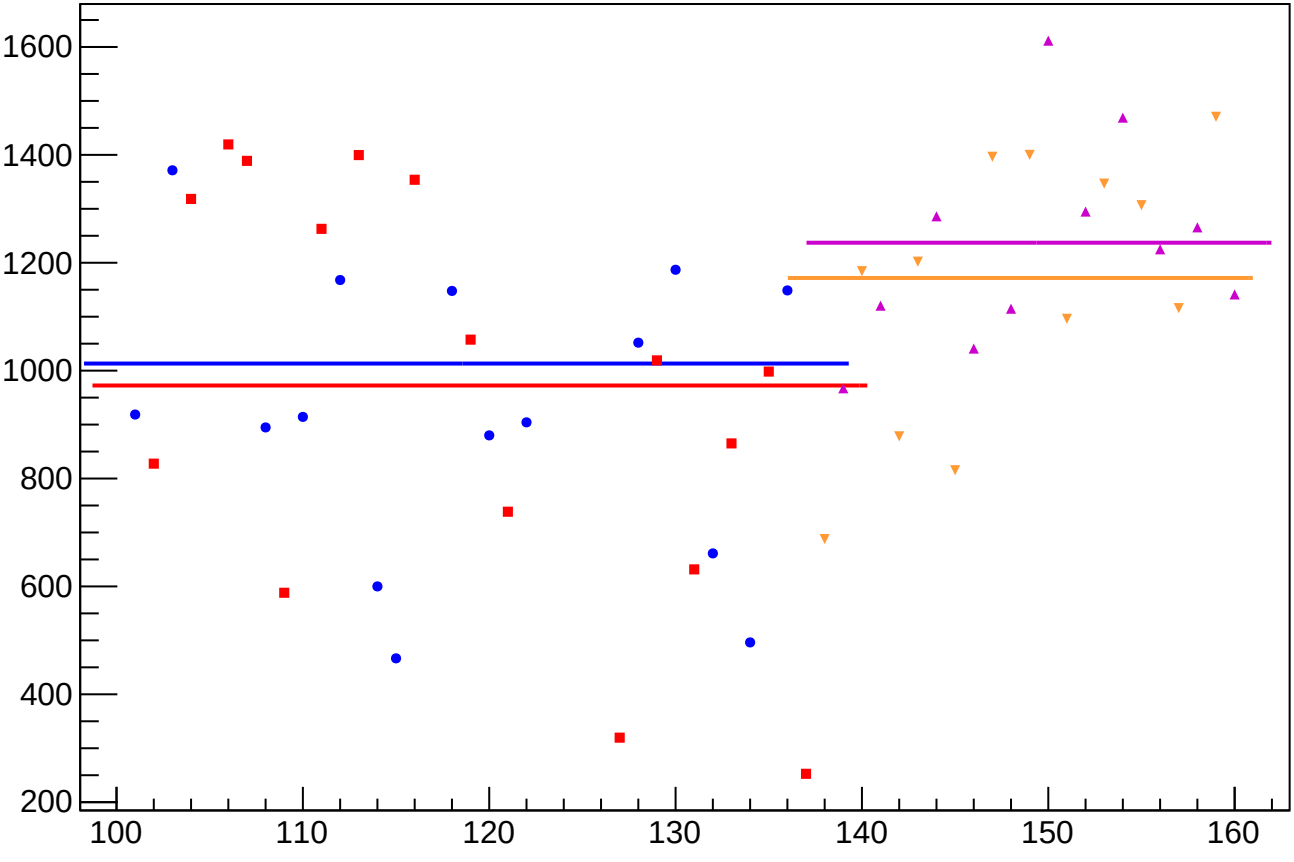
All: 375.901+/-0.000 $\chi^2$/NDF: 325877888055

Right Out: 853.203+/-0.000 $\chi^2$/NDF: 257407638144104678777244913713391704 4736.0/15

- sign 442.194+/-0.000 $\chi^2$/NDF: 276887014570090

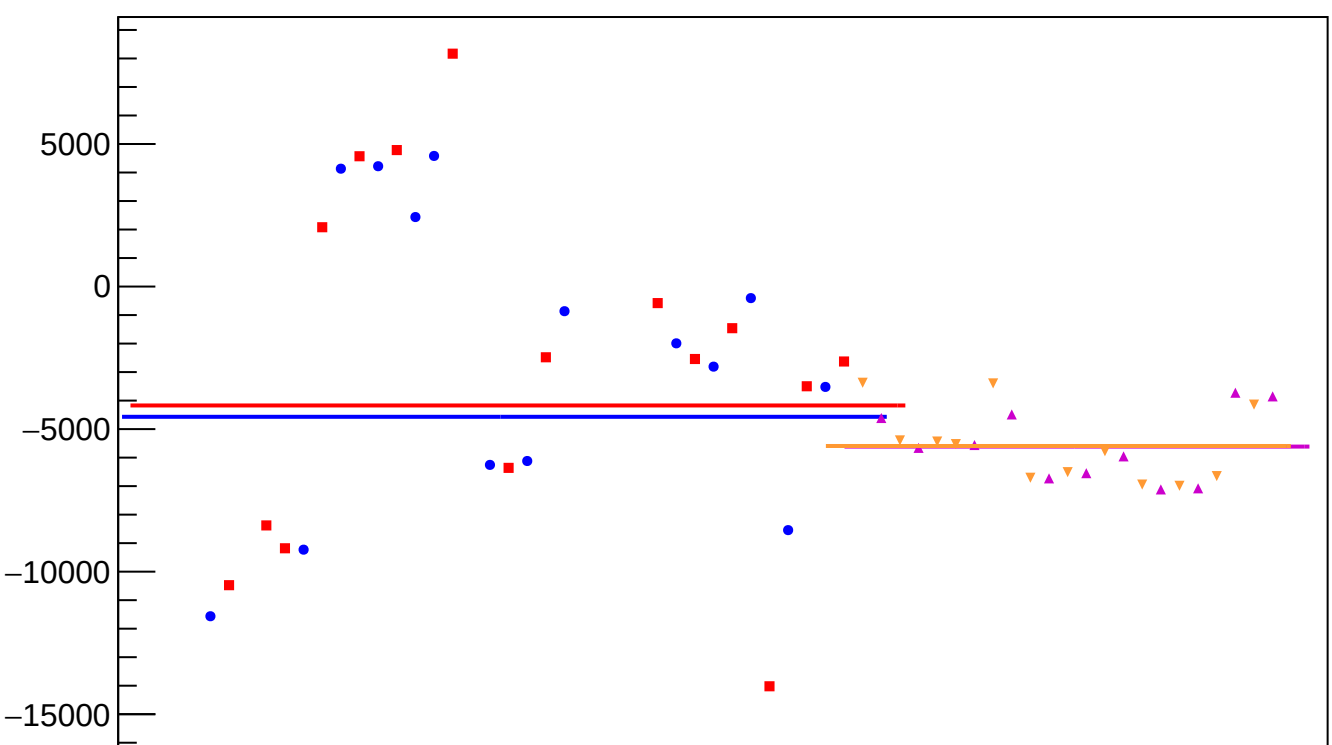
Left In: 145.502+/-0.000 $\chi^2$/NDF:782066035610550272928661281894825984.0/10

# dit_atr1_coil6_Ndata_mean vs Slug



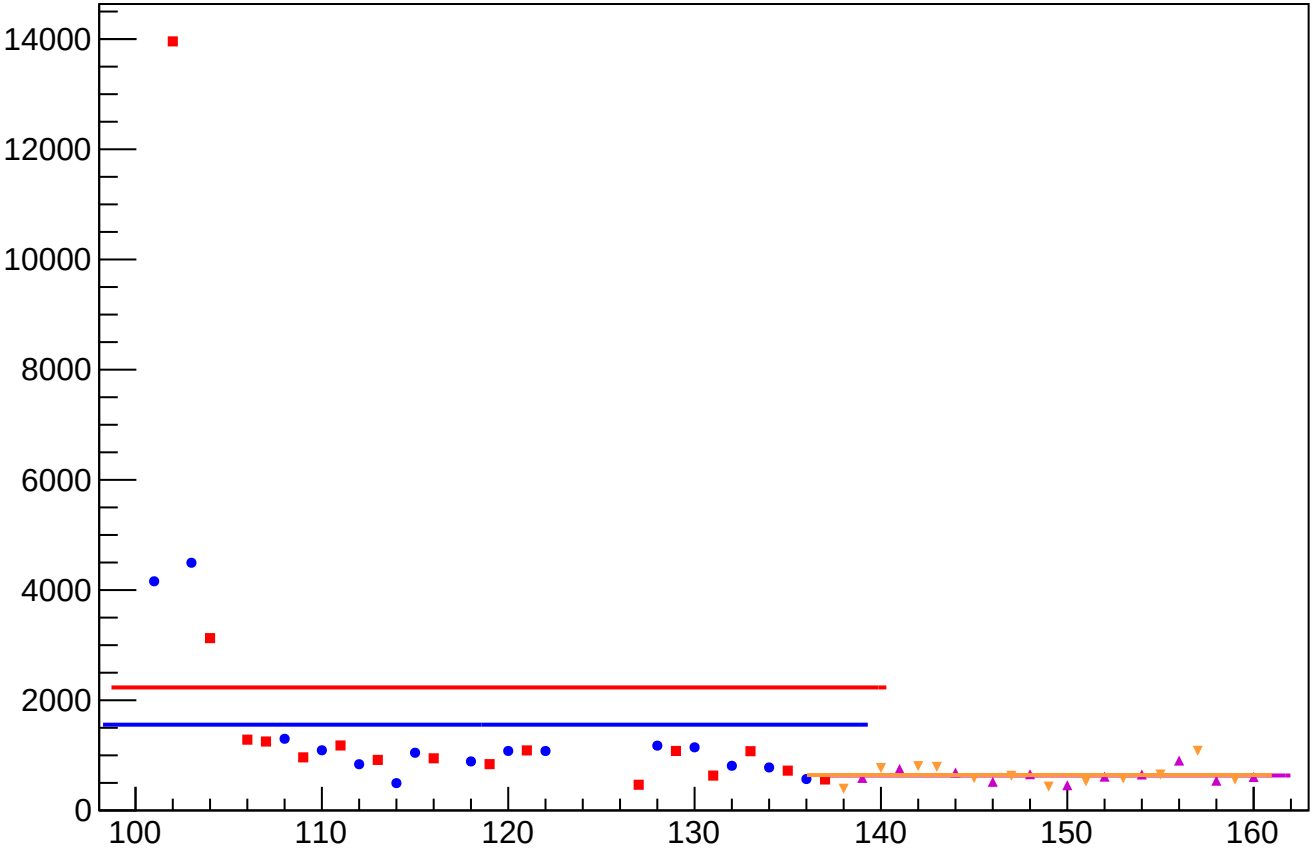

Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14
+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722 1888.0/11
All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3
Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15
- sign 1126.185+/-0.000 $\chi^2$/NDF: 1363465673346 0
Left In: 1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367 2320.0/10

# dit_atr2_coil6_mean vs Slug



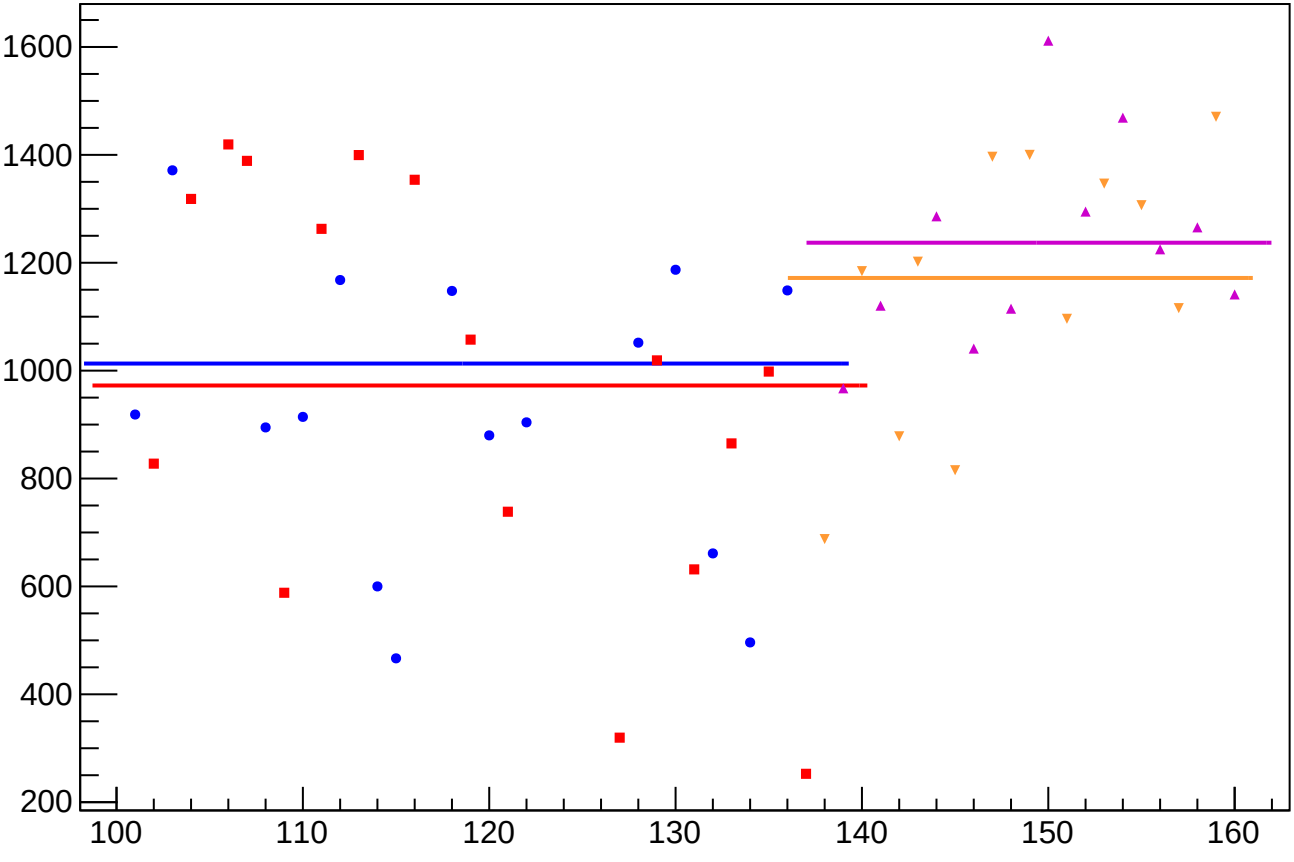

Right In: -4568.297+/-0.000 $\chi^2$/NDF: 2419505214816571954071311092197775690956 8.0/14
+ sign -5167.140+/-0.000 $\chi^2$/NDF: 2609556026190
Left Out: -5592.357+/-0.000 $\chi^2$/NDF:1502507998590915650067934753088681803776.0/11
All: -5087.057+/-0.000 $\chi^2$/NDF: 5916065819
Right Out: -4170.773+/-0.000 $\chi^2$/NDF: 3096724883218791204111390955948110302 4128.0/15
- sign -5008.384+/-0.000 $\chi^2$/NDF: 3304522674427 4
Left In: -5613.024+/-0.000 $\chi^2$/NDF:1272210659936261957248133173503170969600.0/10

# dit_atr2_coil6_err_mean vs Slug




Right In: 1556.763+/-0.000 $\chi^2$/NDF: 1139364239218600567191855131756930793472.0/14
+ sign 1022.208+/-0.000 $\chi^2$/NDF: 14864291079277
Left Out: 642.639+/-0.000 $\chi^2$/NDF:2993134603013431608081893749007633612 8.0/11
All: 1164.597+/-0.000 $\chi^2$/NDF: 1154109459 3
Right Out: 2232.520+/-0.000 $\chi^2$/NDF: 899039572553393013487859556970694233292 8.0/15
- sign 1304.479+/-0.000 $\chi^2$/NDF: 99918451960380
Left In: 634.562+/-0.000 $\chi^2$/NDF:1230844280940303119066955631464284160 0.0/10

# dit_atr2_coil6_Ndata_mean vs Slug




Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14

Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722 1888.0/11

Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682 34752.0/15

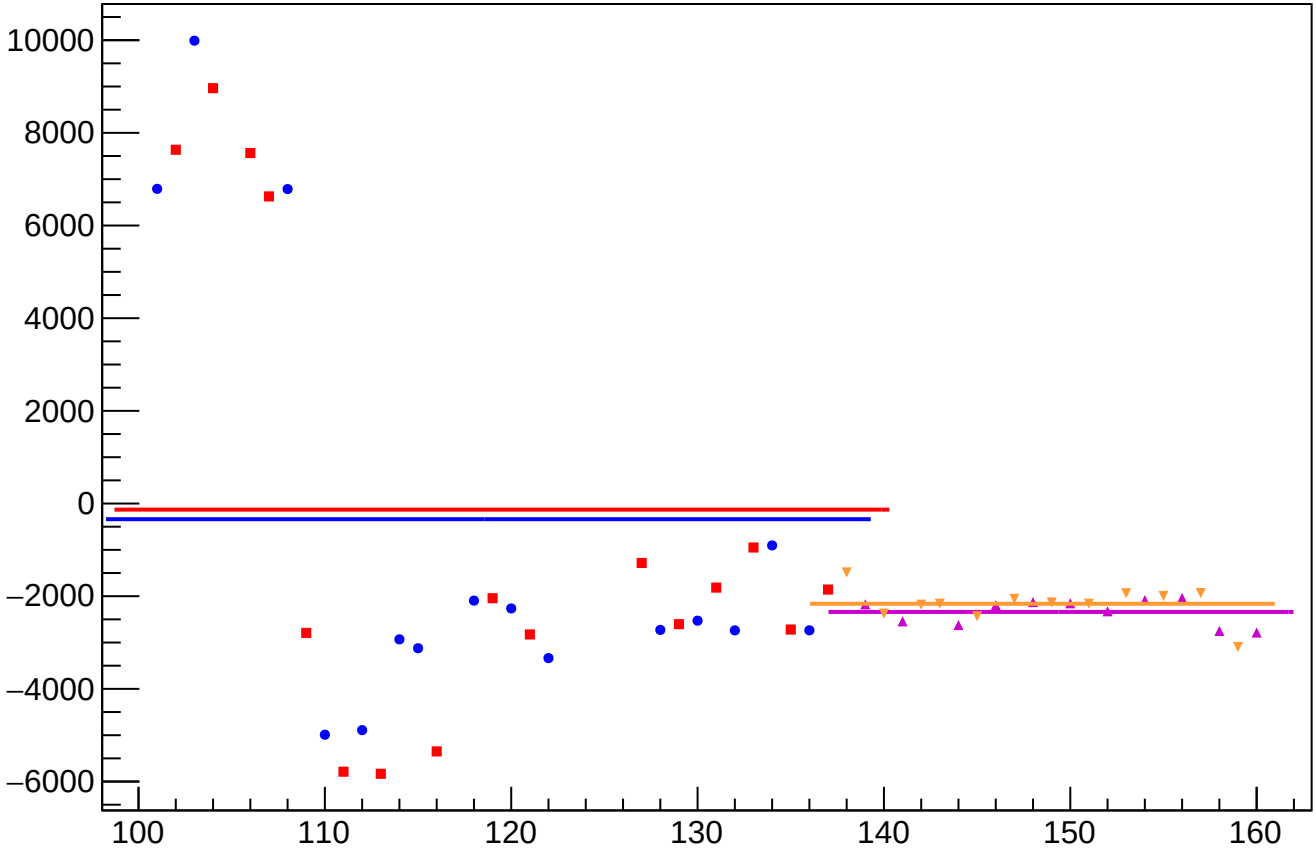
Left In: 1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367 2320.0/10

+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1

All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3

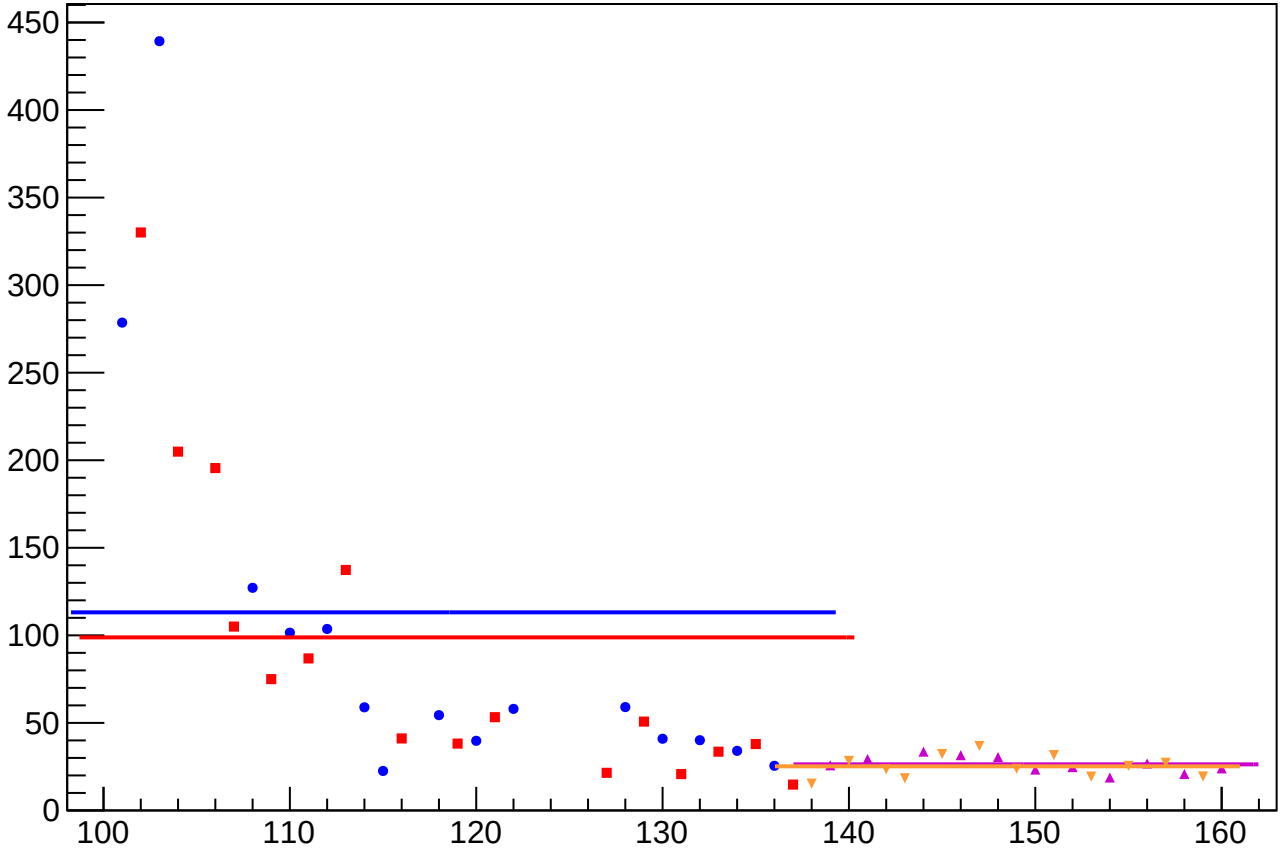
- sign 1126.185+/-0.000 $\chi^2$/NDF: 1363465673346 0

# dit_sam1_coil6_mean vs Slug




Right In: -337.865+/-0.000 $\chi^2$/NDF: 1515251593300707989166109794076208188620 8.0/14
+ sign -1405.071+/-0.000 $\chi^2$/NDF: 1654286779746
Left Out: -2162.857+/-0.000 $\chi^2$/NDF:1263322752329302576384826203917590200 32.0/11
All: -1409.541+/-0.000 $\chi^2$/NDF: 3496770485
Right Out: -131.545+/-0.000 $\chi^2$/NDF: 1647321765107887797637742441995690206 8224.0/15
- sign -1413.933+/-0.000 $\chi^2$/NDF: 1842477513816 0
Left In: -2339.639+/-0.000 $\chi^2$/NDF:6286014424745695754381090628418142208 0.0/10

# dit_sam1_coil6_err_mean vs Slug




Right In: 113.134+/-0.000 $\chi^2$/NDF: 9989638354332004017458192433874468864.0/14

+ sign 61.715+/-0.000 $\chi^2$/NDF: 1295926094815427

Left Out: 25.204+/-0.000 $\chi^2$/NDF:3534099872996691286313832039212646 4.0/11

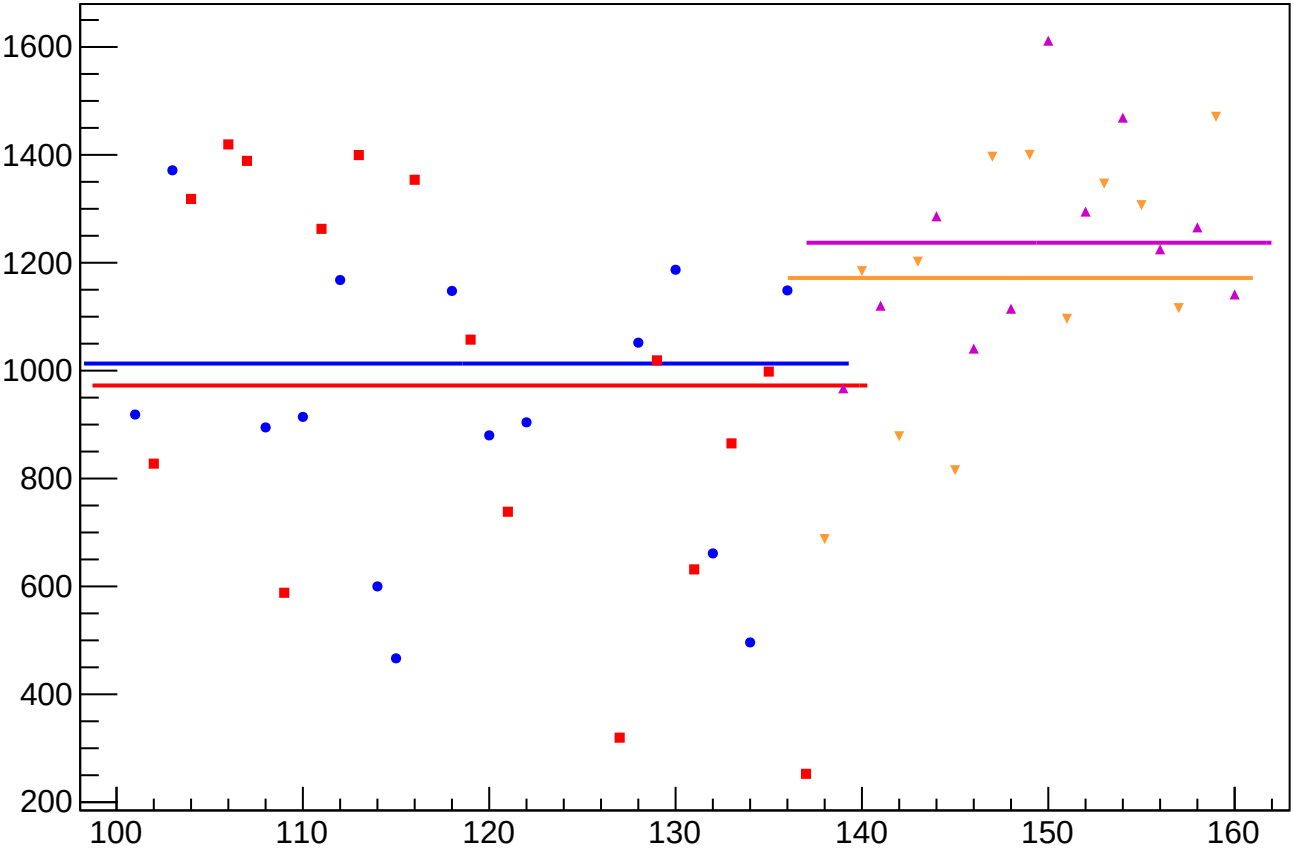
All: 59.198+/-0.000 $\chi^2$/NDF: 205436551836 9

Right Out: 98.833+/-0.000 $\chi^2$/NDF: 5510365308590426333953610701260980224.0/15

- sign 56.726+/-0.000 $\chi^2$/NDF: 7564771732797838

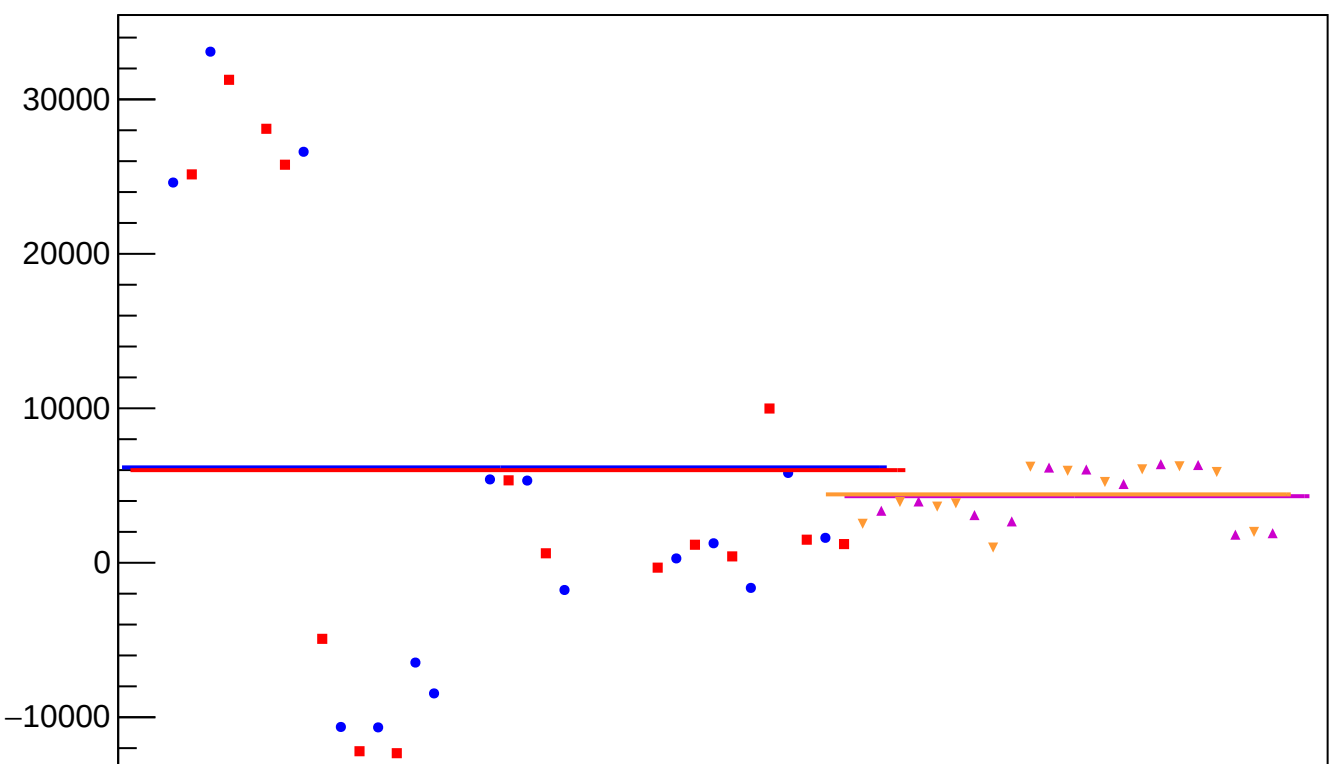
Left In: 26.331+/-0.000 $\chi^2$/NDF:1814287340881457348195075804364 8000.0/10

# dit_sam1_coil6_Ndata_mean vs Slug



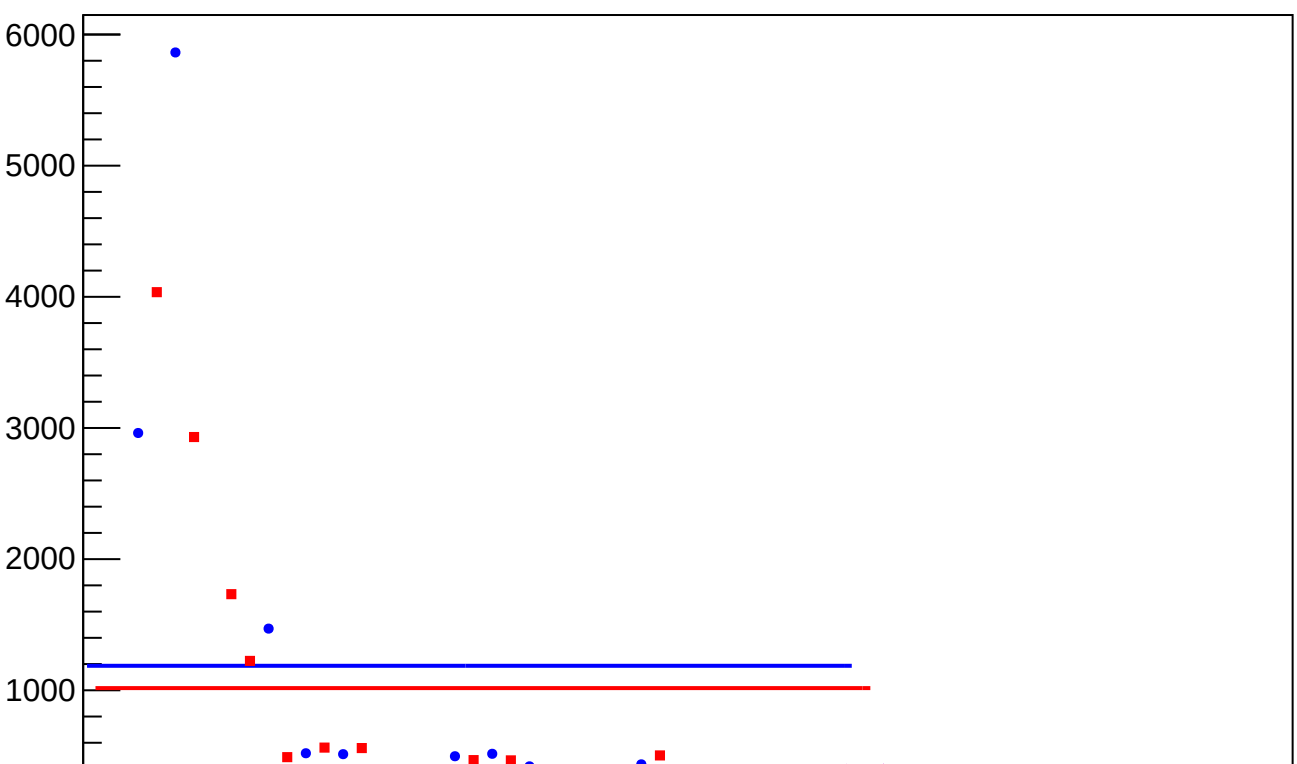

Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14
+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:524249012820985838563124925770372218 88.0/11
All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3
Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15
- sign 1126.185+/-0.000 $\chi^2$/NDF: 1363465673346 0
Left In: 1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236723 20.0/10

# dit_sam2_coil6_mean vs Slug




Right In: 6175.493+/-0.000 $\chi^2$/NDF: 1172608771629212239674783490507084524421 12.0/14
+ sign 5153.665+/-0.000 $\chi^2$/NDF: 12131982747999
Left Out: 4428.101+/-0.000 $\chi^2$/NDF:2900138976874387724183278190835470958592.0/11
All: 5084.951+/-0.000 $\chi^2$/NDF: 2621808005 2
Right Out: 5996.727+/-0.000 $\chi^2$/NDF: 1370577107850251365434077101079163568 12800.0/15
- sign 5017.446+/-0.000 $\chi^2$/NDF: 14084634301440
Left In: 4310.541+/-0.000 $\chi^2$/NDF:2687248811790643780000086030830396243968.0/10

# dit_sam2_coil6_err_mean vs Slug




Right In: 1186.846+/-0.000 $\chi^2$/NDF: 1796463312802023303623210264680353234944.0/14

+ sign 643.246+/-0.000 $\chi^2$/NDF: 212720083388662

Left Out: 257.255+/-0.000 $\chi^2$/NDF:278125360146566915786368724948431667 2.0/11

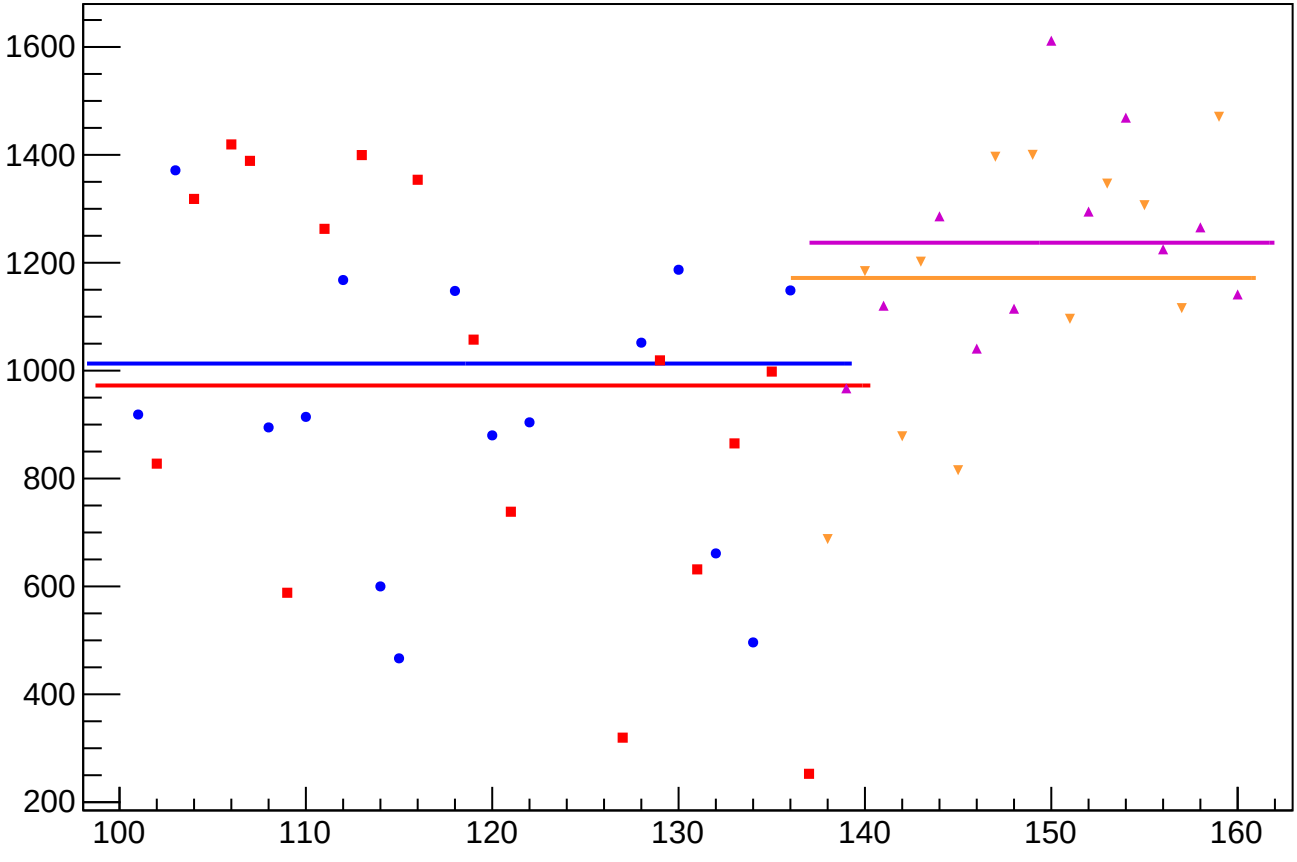
All: 612.442+/-0.000 $\chi^2$/NDF: 328051716192

Right Out: 1016.732+/-0.000 $\chi^2$/NDF: 927646003466094249558391691024825057280.0/15

- sign 582.179+/-0.000 $\chi^2$/NDF: 115037612749111

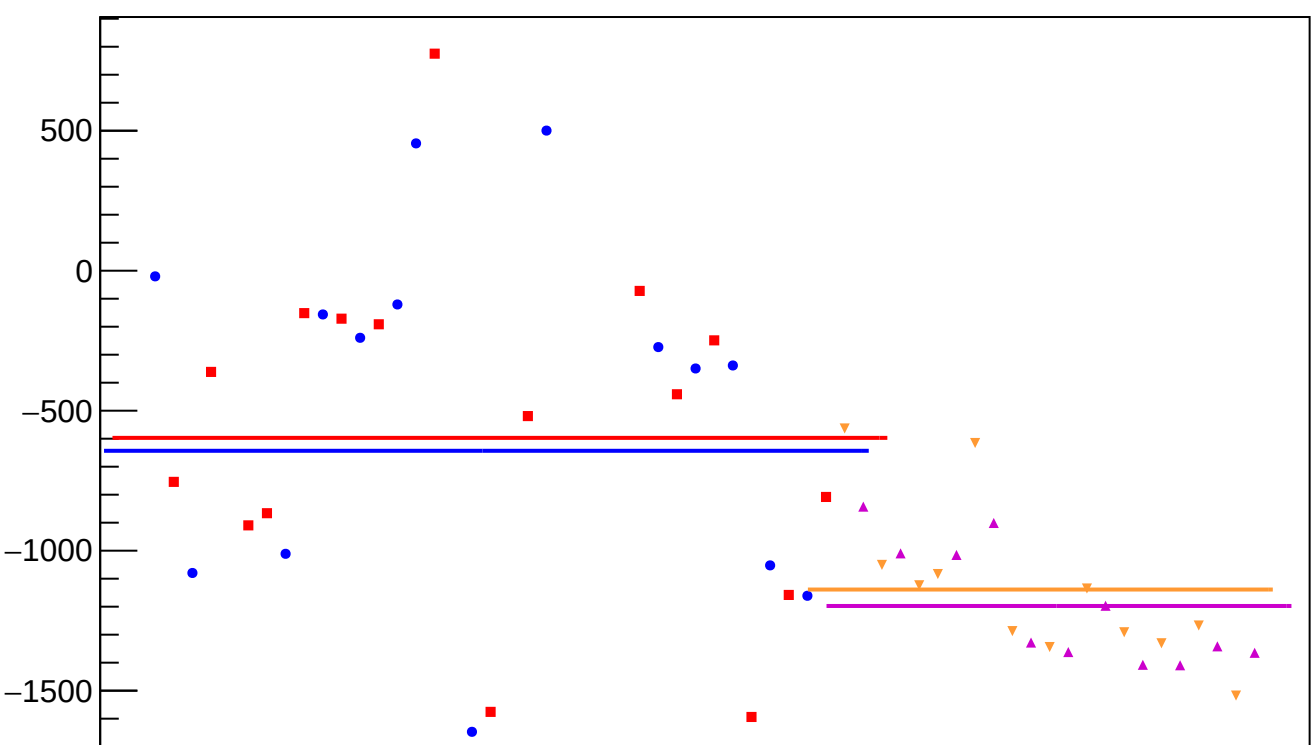
Left In: 268.493+/-0.000 $\chi^2$/NDF:585573497570654782355660796638684774 4.0/10

# dit_sam2_coil6_Ndata_mean vs Slug



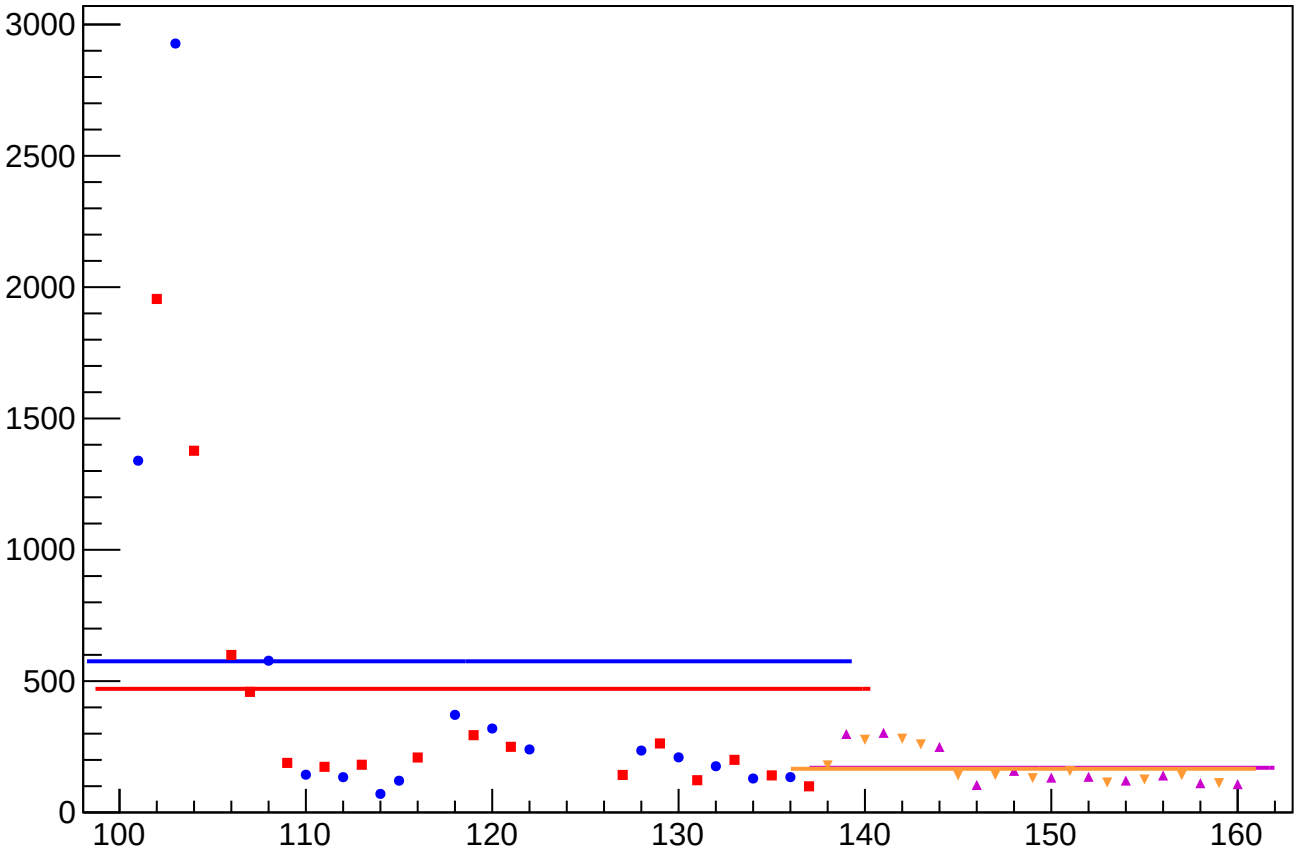

Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14
+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:524249012820985838563124925770372218 88.0/11
All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3
Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15
- sign 1126.185+/-0.000 $\chi^2$/NDF: 1363465673346 0
Left In: 1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236723 20.0/10

# dit_sam3_coil6_mean vs Slug




Right In: -643.217+/-0.000 $\chi^2$/NDF: 272726964608206694027285159784925364224.0/14
+ sign -932.996+/-0.000 $\chi^2$/NDF: 43692805722802
Left Out: -1138.759+/-0.000 $\chi^2$/NDF:710061859534242542705907917181702635 52.0/11
All: -939.440+/-0.000 $\chi^2$/NDF: 8260825249 9
Right Out: -597.043+/-0.000 $\chi^2$/NDF: 2107333707980314493635040043190053 76512.0/15
- sign -945.770+/-0.000 $\chi^2$/NDF: 38902582155876 0
Left In: -1197.503+/-0.000 $\chi^2$/NDF:3862472221415609611027105702390666 36288.0/10

# dit_sam3_coil6_err_mean vs Slug




Right In: 575.526+/-0.000 $\chi^2$/NDF: 432680039285849719493276471277131923456.0/14

Left Out: 166.360+/-0.000 $\chi^2$/NDF:305271620929540504980712909554319360 0.0/11

Right Out: 470.716+/-0.000 $\chi^2$/NDF: 209310604291868219806073768764512403456.0/15

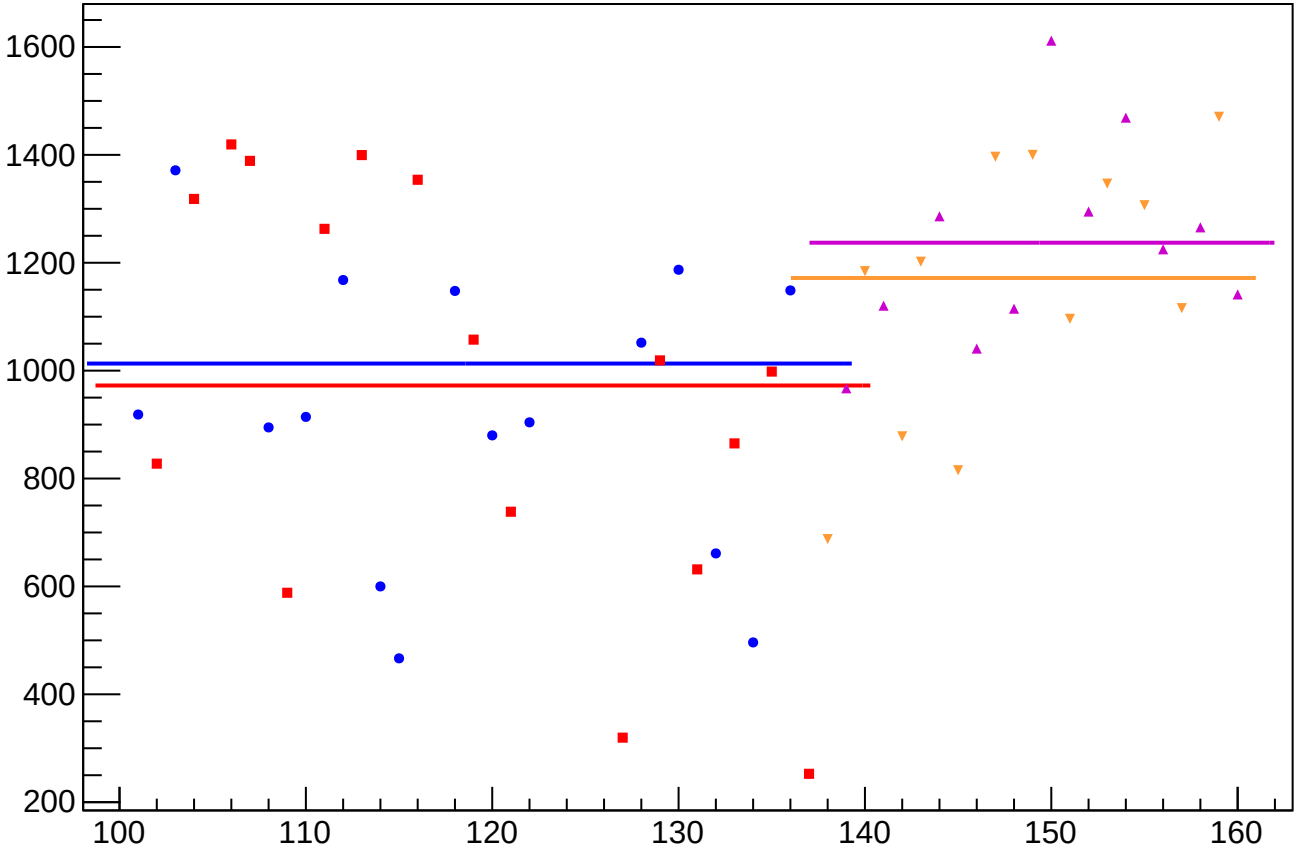
Left In: 170.082+/-0.000 $\chi^2$/NDF:485116535847865018698307963773465395 2.0/10

+ sign 336.257+/-0.000 $\chi^2$/NDF: 499270475269907

All: 316.009+/-0.000 $\chi^2$/NDF: 749713374727

- sign 296.118+/-0.000 $\chi^2$/NDF: 249172631287531

# dit_sam3_coil6_Ndata_mean vs Slug




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

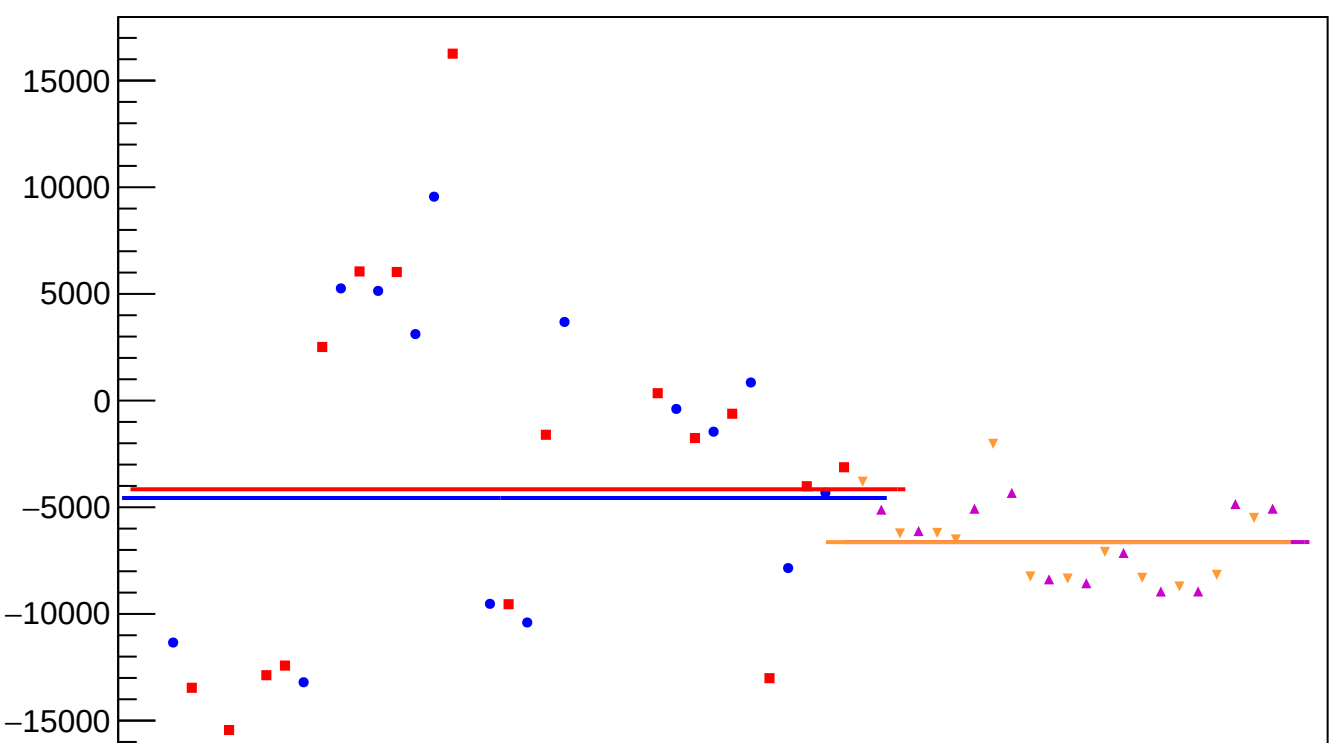
Left In: 1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236723 20.0/10

+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1

All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3

- sign 1126.185+/-0.000 $\chi^2$/NDF: 1363465673346 0

# dit_sam4_coil6_mean vs Slug




Right In: -4565.412+/-0.000 $\chi^2$/NDF: 3566776824743228998489904272515548787507 2.0/14

Left Out: -6634.457+/-0.000 $\chi^2$/NDF:3640150880403299784339543756995645407232.0/11

Right Out: -4156.859+/-0.000 $\chi^2$/NDF: 4553945544165992715770844309993068219 5968.0/15

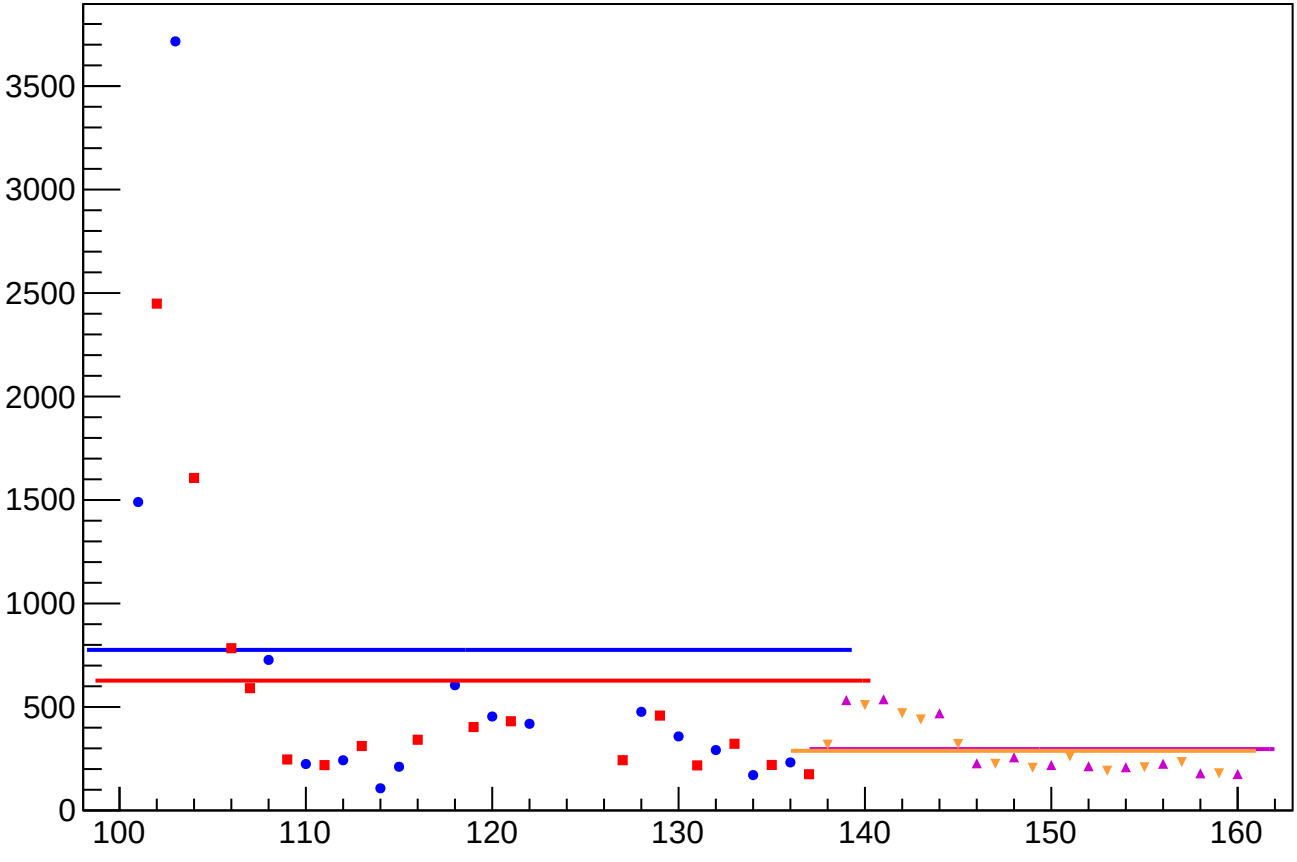
Left In: -6631.377+/-0.000 $\chi^2$/NDF:2831140540306304869921468245145345327104.0/10

+ sign -5775.333+/-0.000 $\chi^2$/NDF: 4093261338391

All: -5683.850+/-0.000 $\chi^2$/NDF: 9170111031

- sign -5593.977+/-0.000 $\chi^2$/NDF: 5074256509623 8

# dit_sam4_coil6_err_mean vs Slug




Right In: 775.824+/-0.000 $\chi^2$/NDF: 641856726975740612716432458612629045248.0/14

Left Out: 288.226+/-0.000 $\chi^2$/NDF:1060734921843509529640037672872522547 2.0/11

Right Out: 627.315+/-0.000 $\chi^2$/NDF: 297517676171111924966086193860621369344.0/15

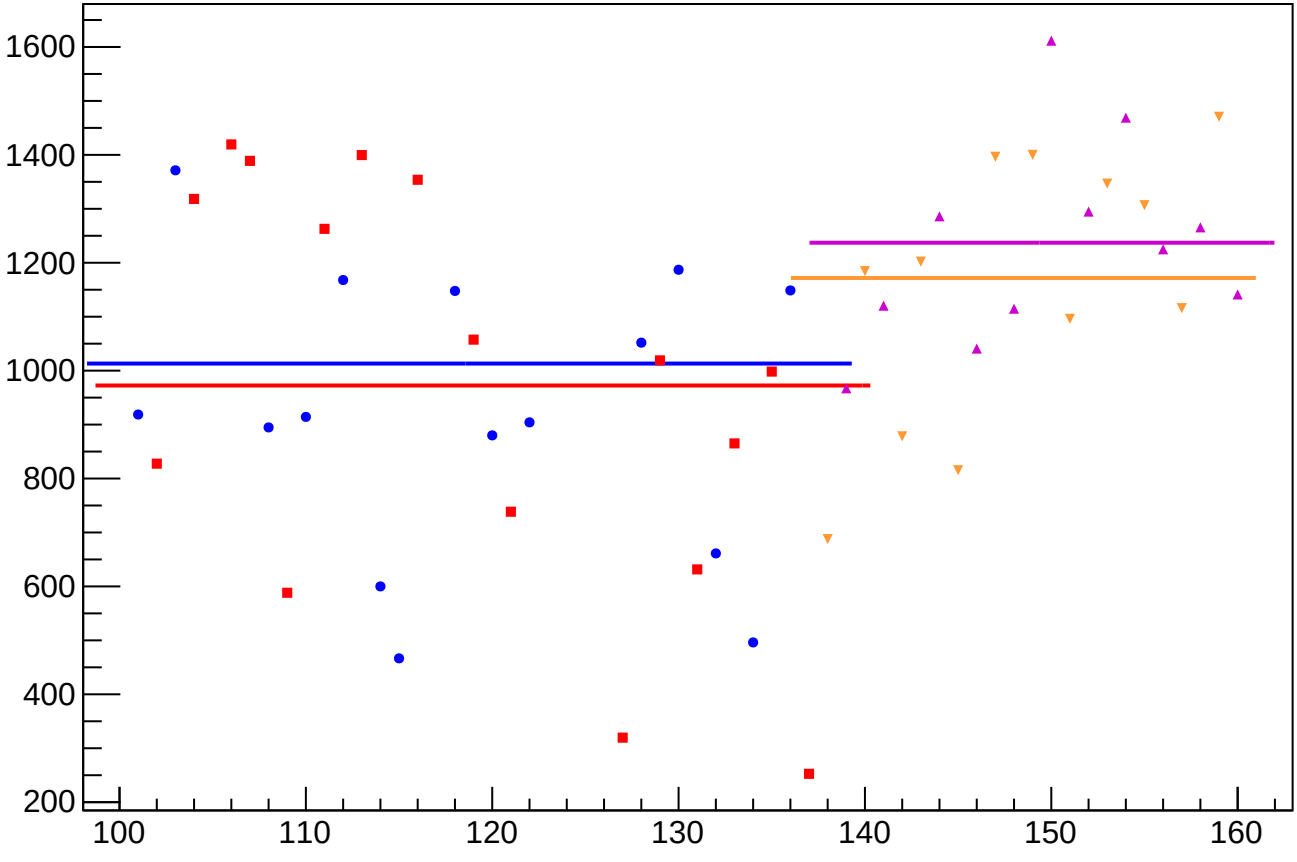
Left In: 296.514+/-0.000 $\chi^2$/NDF:170618790220164840642952102284445614 08.0/10

+ sign 490.690+/-0.000 $\chi^2$/NDF: 74269533494512 1

All: 462.697+/-0.000 $\chi^2$/NDF: 11020925146 8

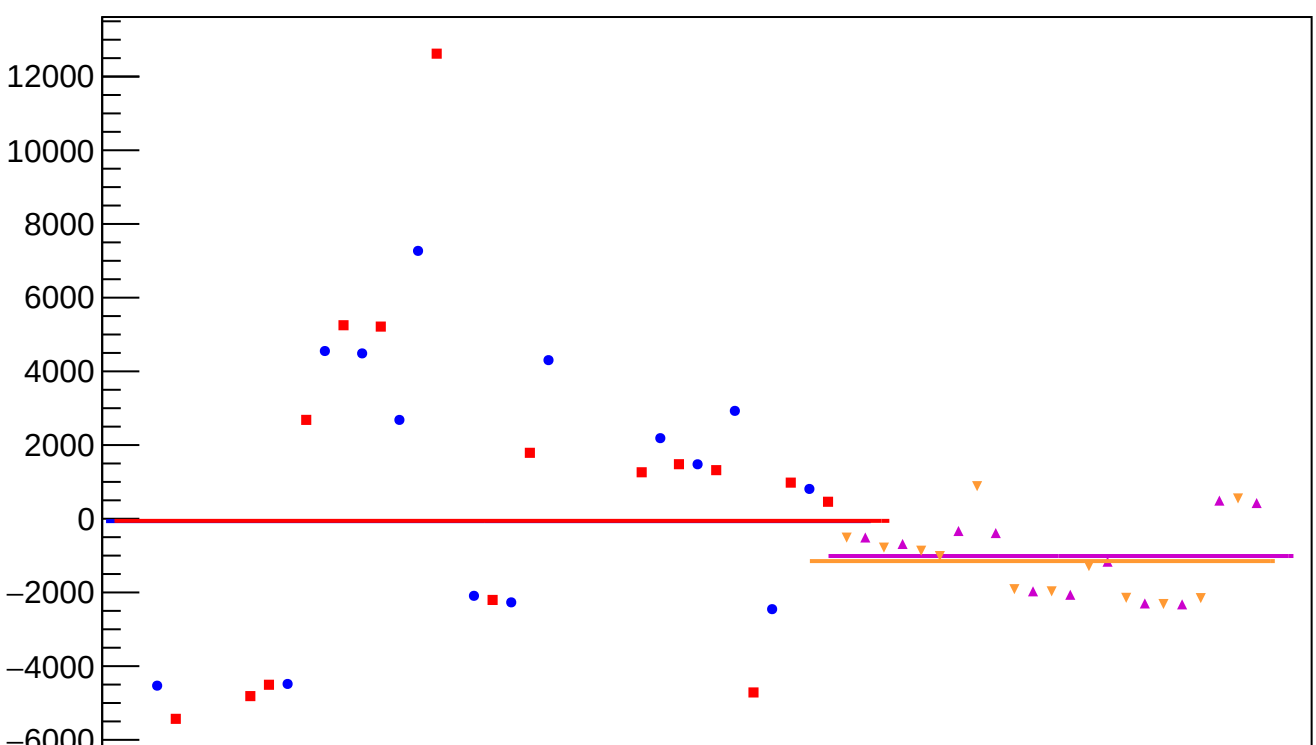
- sign 435.197+/-0.000 $\chi^2$/NDF: 356969187717050

# dit_sam4_coil6_Ndata_mean vs Slug



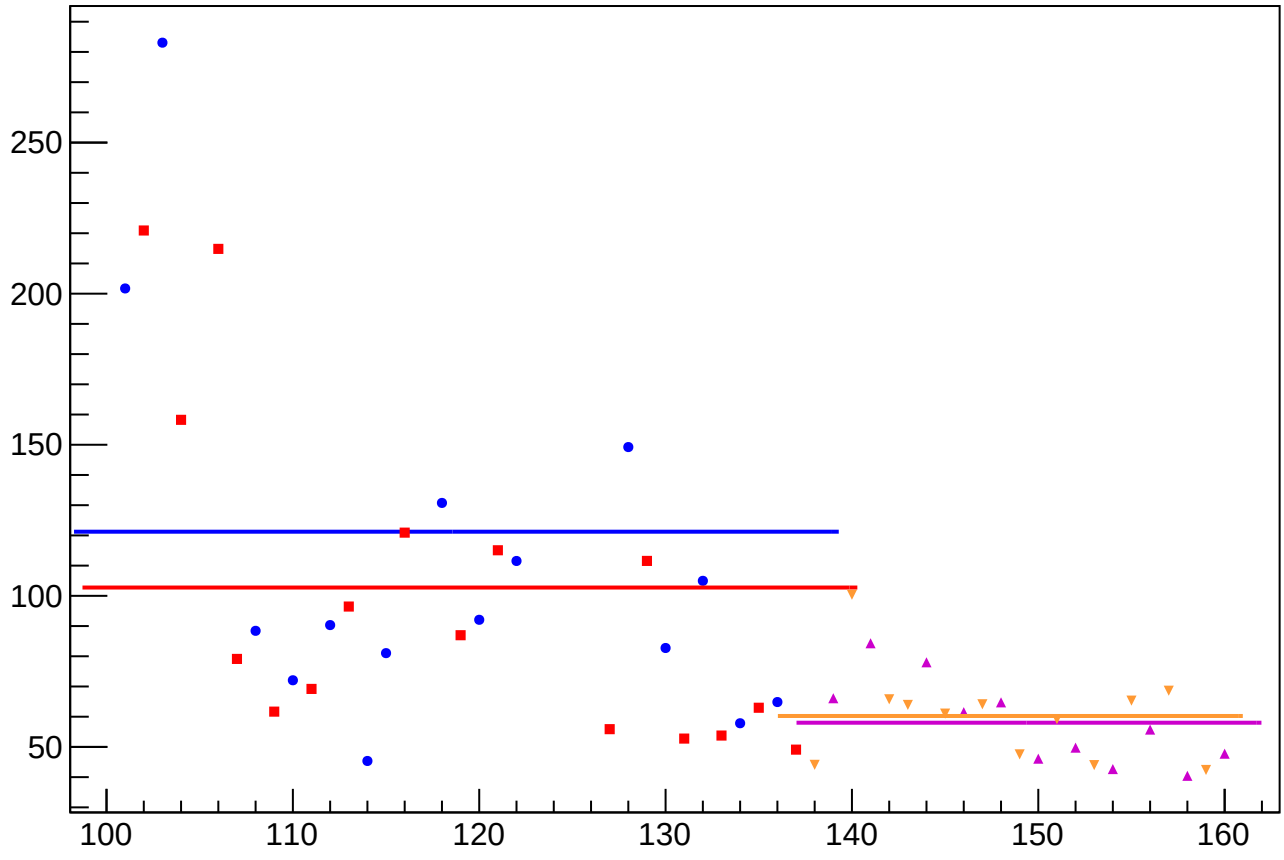

Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14
+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:524249012820985838563124925770372218 88.0/11
All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3
Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15
- sign 1126.185+/-0.000 $\chi^2$/NDF: 1363465673346 0
Left In: 1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236723 20.0/10

# dit_sam5_coil6_mean vs Slug




Right In: -64.751+/-0.000 $\chi^2$/NDF: 96142234488518141916838173499895589109 76.0/14
+ sign -698.812+/-0.000 $\chi^2$/NDF: 11037797160174
Left Out: -1149.036+/-0.000 $\chi^2$/NDF:97738428125152786279715726571691258675 2.0/11
All: -654.674+/-0.000 $\chi^2$/NDF: 2608129590 6
Right Out: -57.229+/-0.000 $\chi^2$/NDF: 137809589770087023019425054543871779799 04.0/15
- sign -611.312+/-0.000 $\chi^2$/NDF: 150374623927280
Left In: -1011.284+/-0.000 $\chi^2$/NDF:90390940842187417173900154315979567923 2.0/10

# dit_sam5_coil6_err_mean vs Slug




Right In: 121.228+/-0.000 $\chi^2$/NDF: 2723170857684362574800637594861305856.0/14

+ sign 85.563+/-0.000 $\chi^2$/NDF: 435992167216224

Left Out: 60.239+/-0.000 $\chi^2$/NDF:2251025544910328695487978455003299 84.0/11

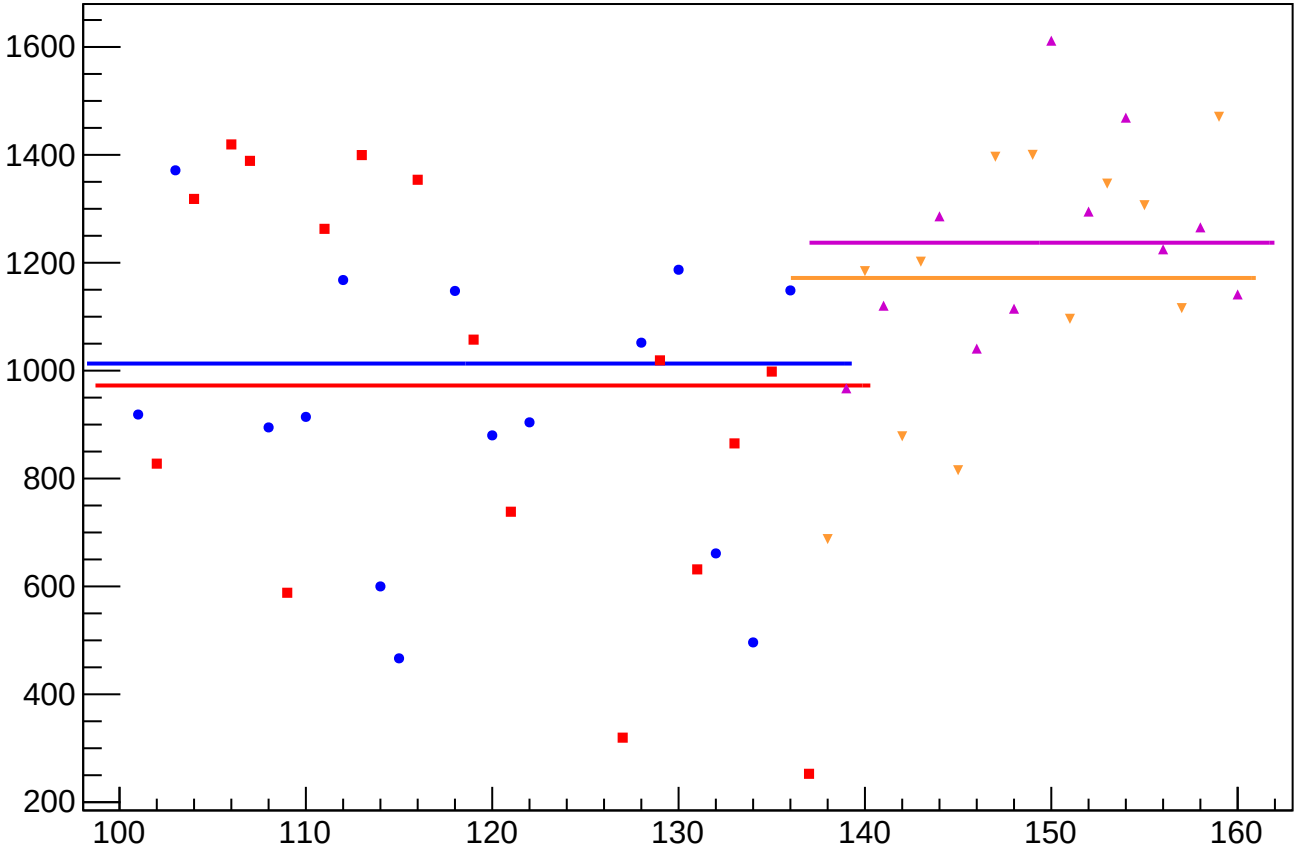
All: 81.126+/-0.000 $\chi^2$/NDF: 734136660562

Right Out: 102.749+/-0.000 $\chi^2$/NDF: 196766802484601033365442767055591 8336.0/15

- sign 76.766+/-0.000 $\chi^2$/NDF: 292042974501347 5

Left In: 58.011+/-0.000 $\chi^2$/NDF:1774277017865404387576550272144506 88.0/10

# dit_sam5_coil6_Ndata_mean vs Slug




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

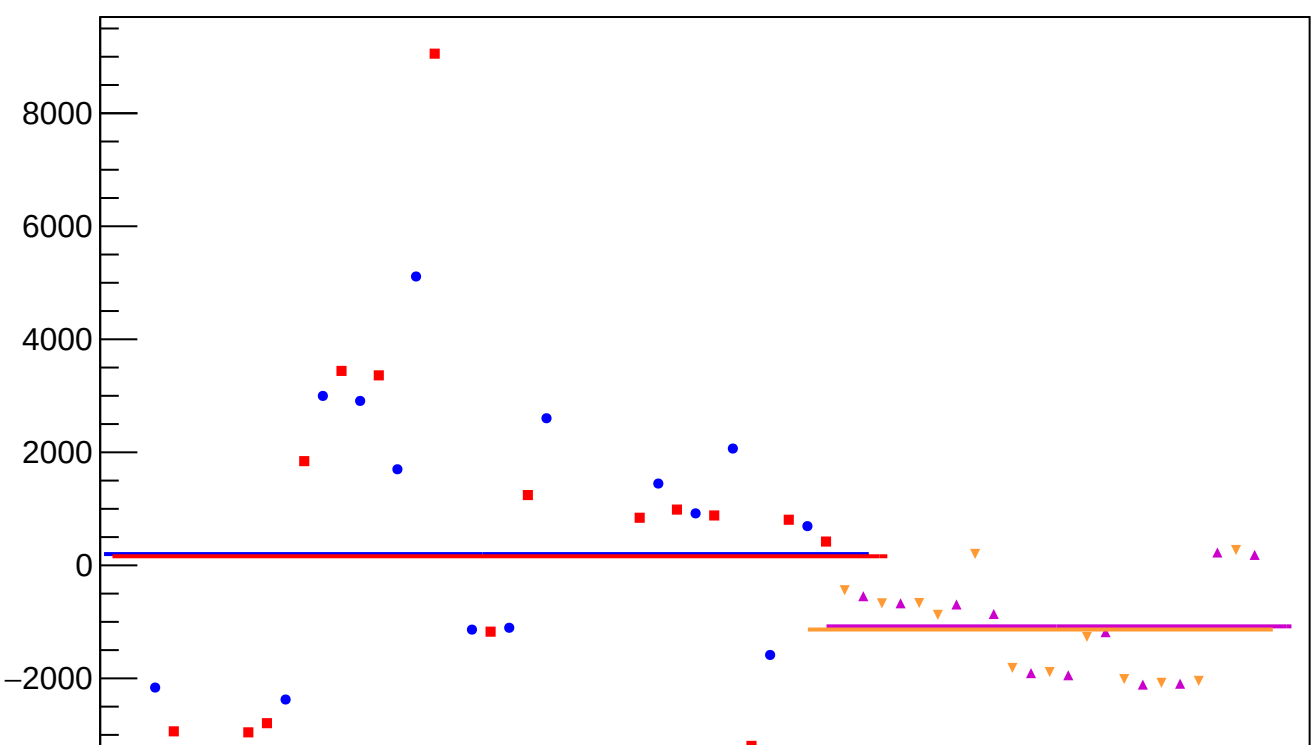
Left In: 1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236723 20.0/10

+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1

All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3

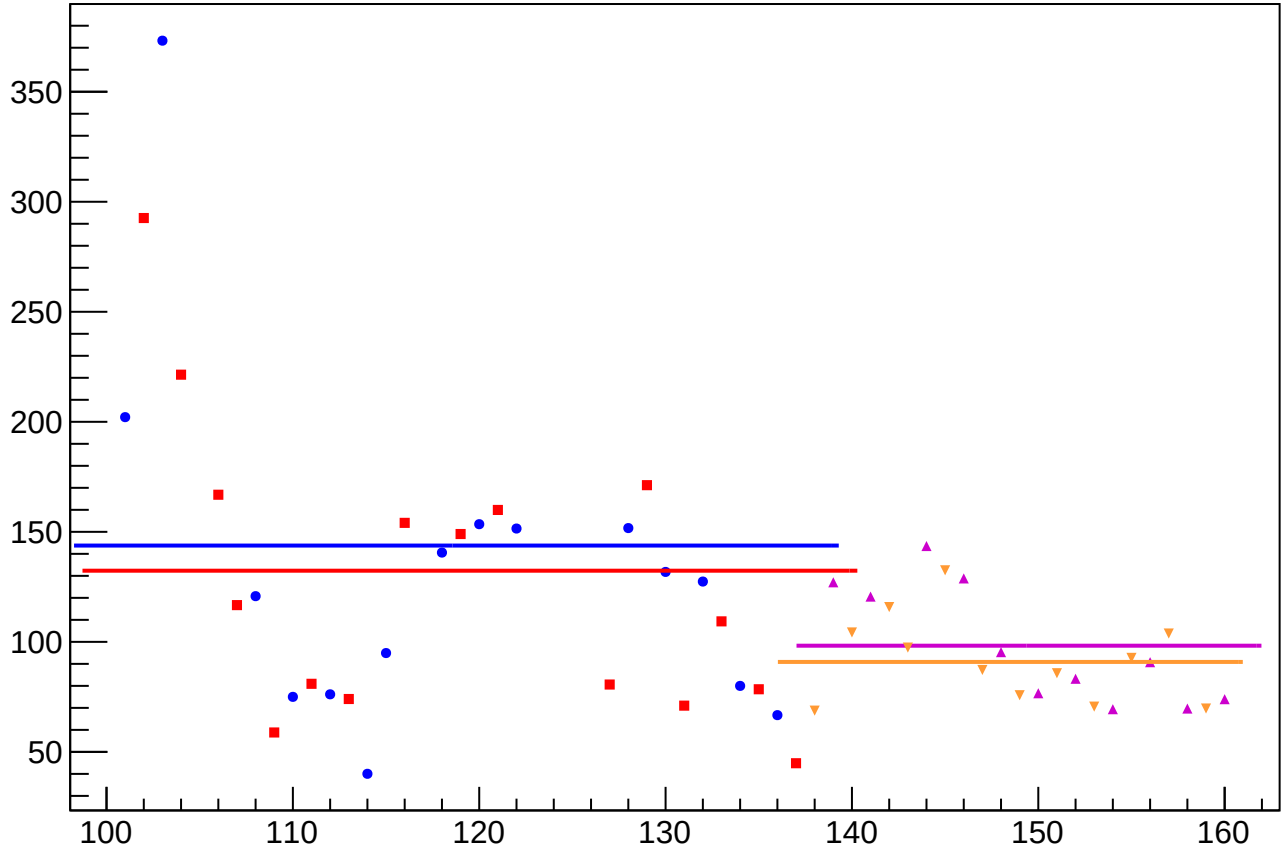
- sign 1126.185+/-0.000 $\chi^2$/NDF: 13634656733460

# dit_sam6_coil6_mean vs Slug




Right In: 199.503+/-0.000 $\chi^2$/NDF: 326815974592353382504518166487684979097 6.0/14
+ sign -581.144+/-0.000 $\chi^2$/NDF: 45992004244900
Left Out: -1135.455+/-0.000 $\chi^2$/NDF:654697592596579349133010058178925166592.0/11
All: -570.315+/-0.000 $\chi^2$/NDF: 1149056147 6
Right Out: 160.512+/-0.000 $\chi^2$/NDF: 568057670946119790152672970370625149 3376.0/15
- sign -559.678+/-0.000 $\chi^2$/NDF: 68909977403524 0
Left In: -1079.555+/-0.000 $\chi^2$/NDF:614734398575877452858032752710912049152.0/10

# dit_sam6_coil6_err_mean vs Slug




Right In: 143.764+/-0.000 $\chi^2$/NDF: 451478586956577784990050859182194688 0.0/14

+ sign 112.840+/-0.000 $\chi^2$/NDF: 590235067464096

Left Out: 90.882+/-0.000 $\chi^2$/NDF:326242734851411629220497356388040704.0/11

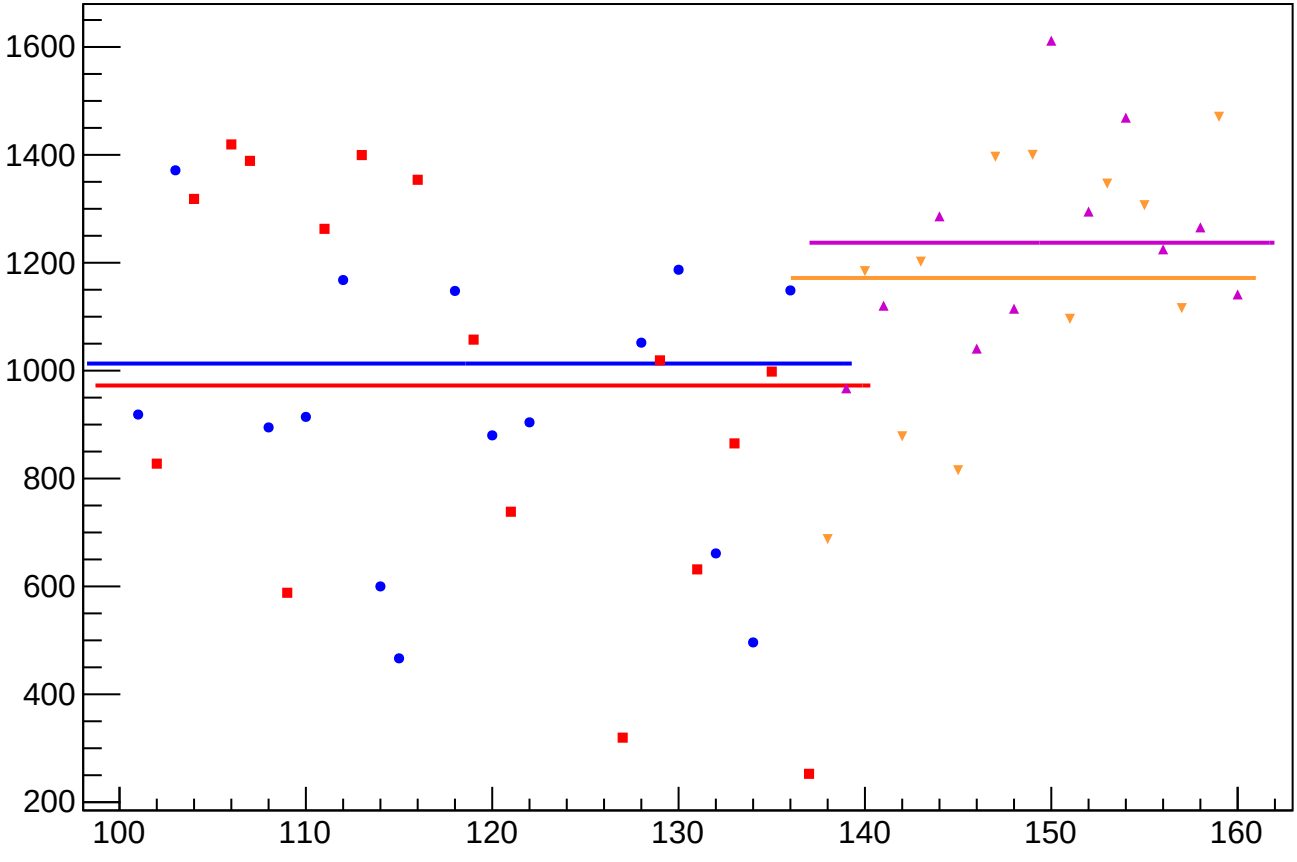
All: 112.691+/-0.000 $\chi^2$/NDF: 10147510778 3

Right Out: 132.341+/-0.000 $\chi^2$/NDF: 317408790879624528768235991428235 2640.0/15

- sign 112.546+/-0.000 $\chi^2$/NDF: 424509210993955

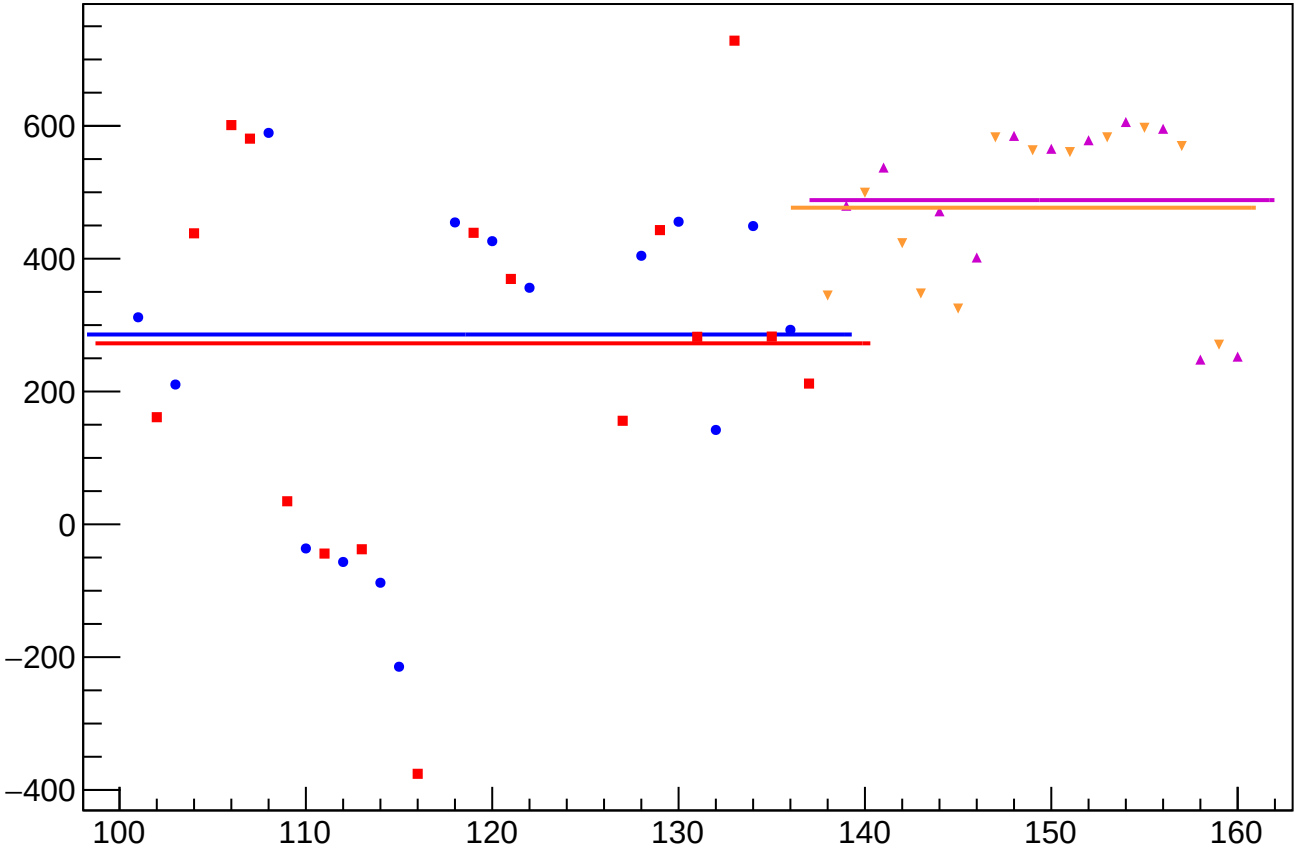
Left In: 98.257+/-0.000 $\chi^2$/NDF:620993776773093393033369428470792192.0/10

# dit_sam6_coil6_Ndata_mean vs Slug




Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14
+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:524249012820985838563124925770372218 88.0/11
All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3
Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15
- sign 1126.185+/-0.000 $\chi^2$/NDF: 13634656733460
Left Out: 1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236723 20.0/10

# dit_sam7_coil6_mean vs Slug




Right In: 285.856+/-0.000 $\chi^2$/NDF: 2410824480235553006466331130108628172 8.0/14

Left Out: 476.795+/-0.000 $\chi^2$/NDF:1269599482428800046590619093459743539 2.0/11

Right Out: 272.539+/-0.000 $\chi^2$/NDF: 4414995266507559365033871333357571276 8.0/15

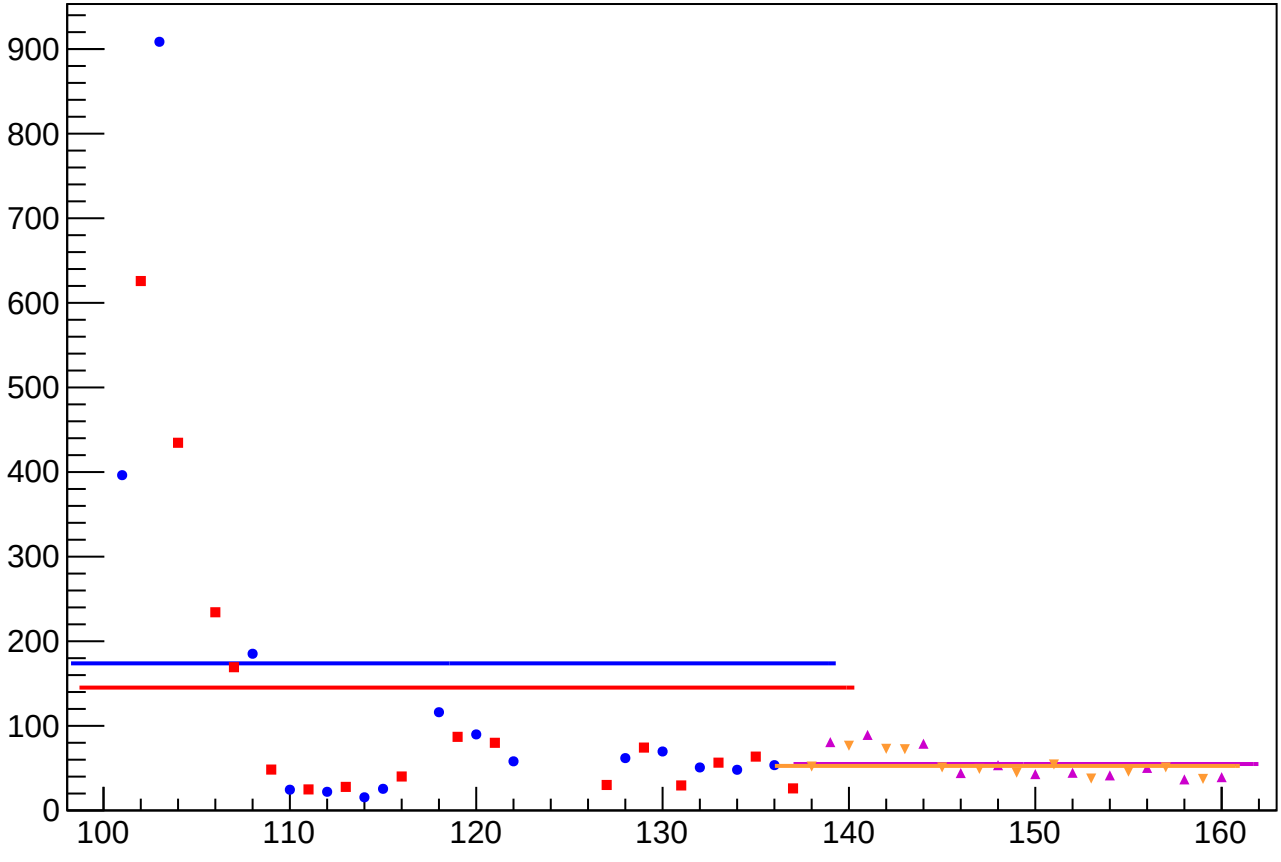
Left In: 488.203+/-0.000 $\chi^2$/NDF:1382883198035888365328943239197307699 2.0/10

+ sign 397.512+/-0.000 $\chi^2$/NDF: 506405806110630

All: 397.652+/-0.000 $\chi^2$/NDF: 12663659867 3

- sign 397.790+/-0.000 $\chi^2$/NDF: 759959573910775

# dit_sam7_coil6_err_mean vs Slug




Right In: 173.871+/-0.000 $\chi^2$/NDF: 41705473404466232613073704554990665728.0/14

+ sign 102.988+/-0.000 $\chi^2$/NDF: 474219136417657

Left Out: 52.656+/-0.000 $\chi^2$/NDF:1401594233858879766920661675414650 88.0/11

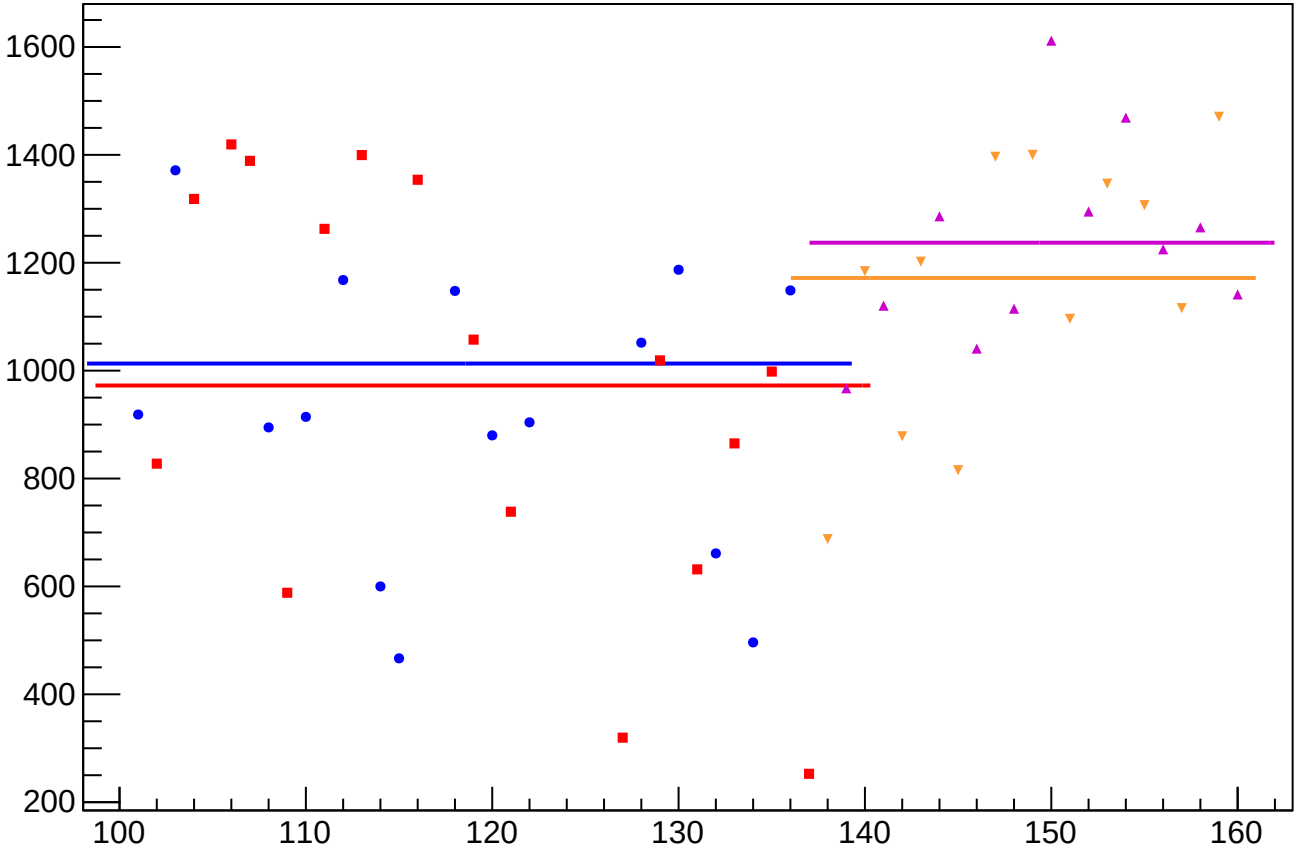
All: 97.830+/-0.000 $\chi^2$/NDF: 7349556913199

Right Out: 145.228+/-0.000 $\chi^2$/NDF: 22529615719408594720785265744437837824.0/15

- sign 92.763+/-0.000 $\chi^2$/NDF: 2599123168114386

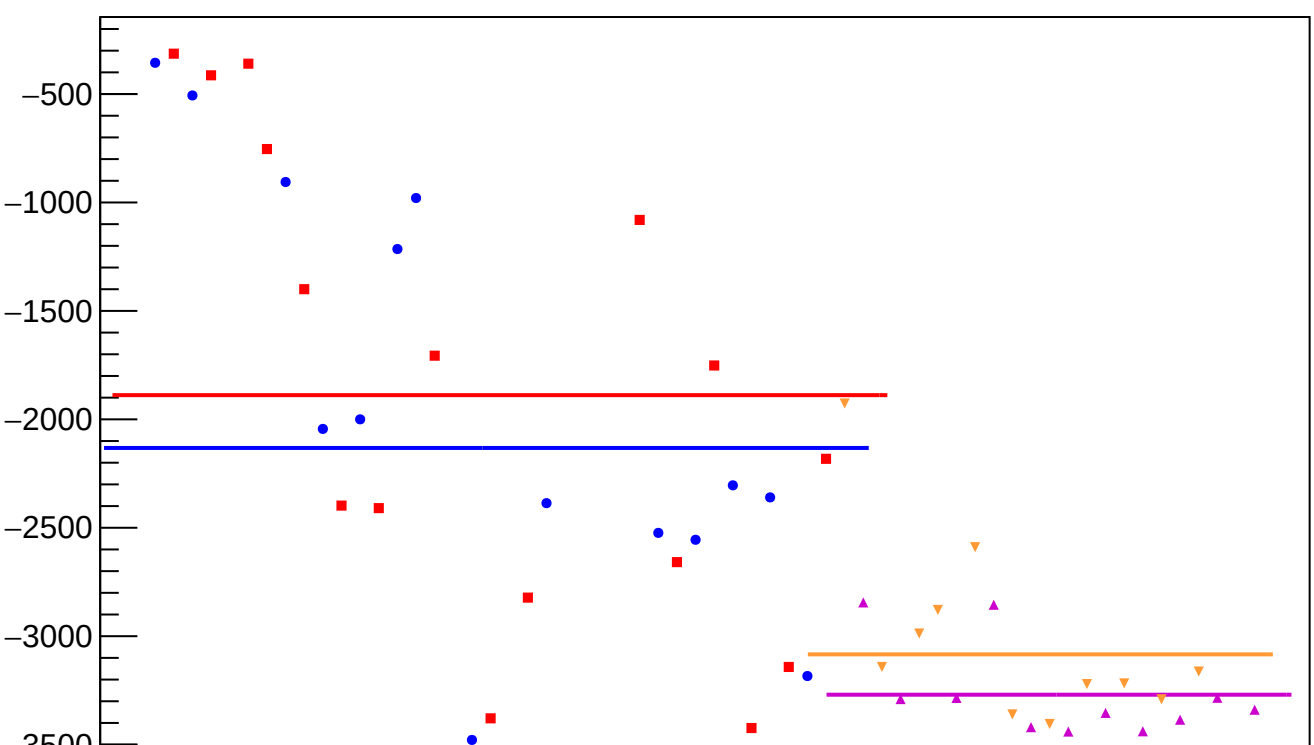
Left In: 54.891+/-0.000 $\chi^2$/NDF:300358274506113612486338175884591104.0/10

# dit_sam7_coil6_Ndata_mean vs Slug




Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14
+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:5242490128209858385631249257703722 1888.0/11
All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3
Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15
- sign 1126.185+/-0.000 $\chi^2$/NDF: 1363465673346 0
Left In: 1237.150+/-0.000 $\chi^2$/NDF:3032344584399373716469198674022367 2320.0/10

# dit_sam8_coil6_mean vs Slug




Right In: -2131.905+/-0.000 $\chi^2$/NDF: 7224333845704950711314506619836705013 76.0/14

Left Out: -3083.729+/-0.000 $\chi^2$/NDF:1783226778566638241493092060688600268 80.0/11

Right Out: -1888.448+/-0.000 $\chi^2$/NDF: 7919866655519806910327198626117698191 36.0/15

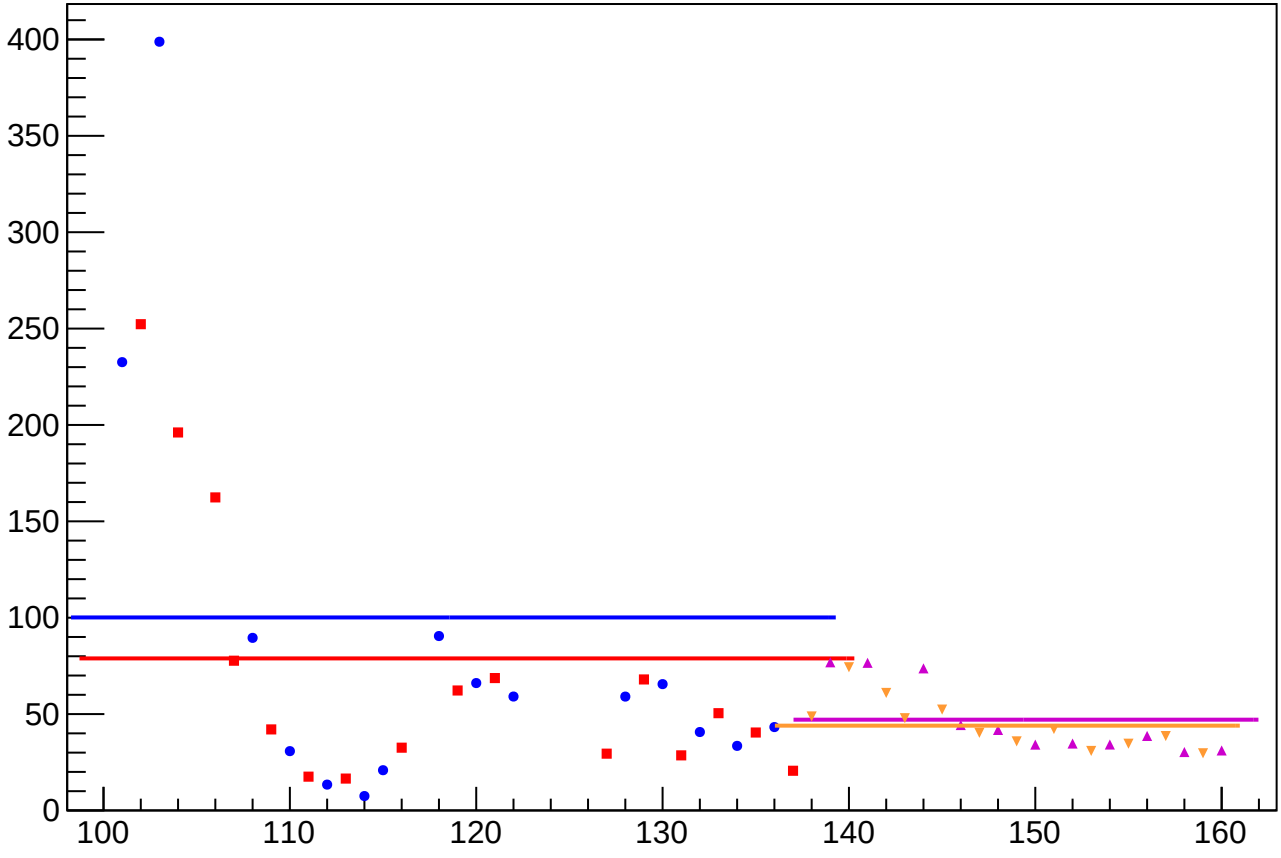
Left In: -3269.755+/-0.000 $\chi^2$/NDF:3809809618039106243109217623978121625 6.0/10

+ sign -2688.506+/-0.000 $\chi^2$/NDF: 1244586997830

All: -2689.595+/-0.000 $\chi^2$/NDF: 2813784024

- sign -2690.665+/-0.000 $\chi^2$/NDF: 1569193348626 8

# dit_sam8_coil6_err_mean vs Slug




Right In: 100.135+/-0.000 $\chi^2$/NDF: 7813910768784473081480373577053110272.0/14

+ sign 67.306+/-0.000 $\chi^2$/NDF: 9154119203552440

Left Out: 43.994+/-0.000 $\chi^2$/NDF:1440388770879811948064706780022702 08.0/11

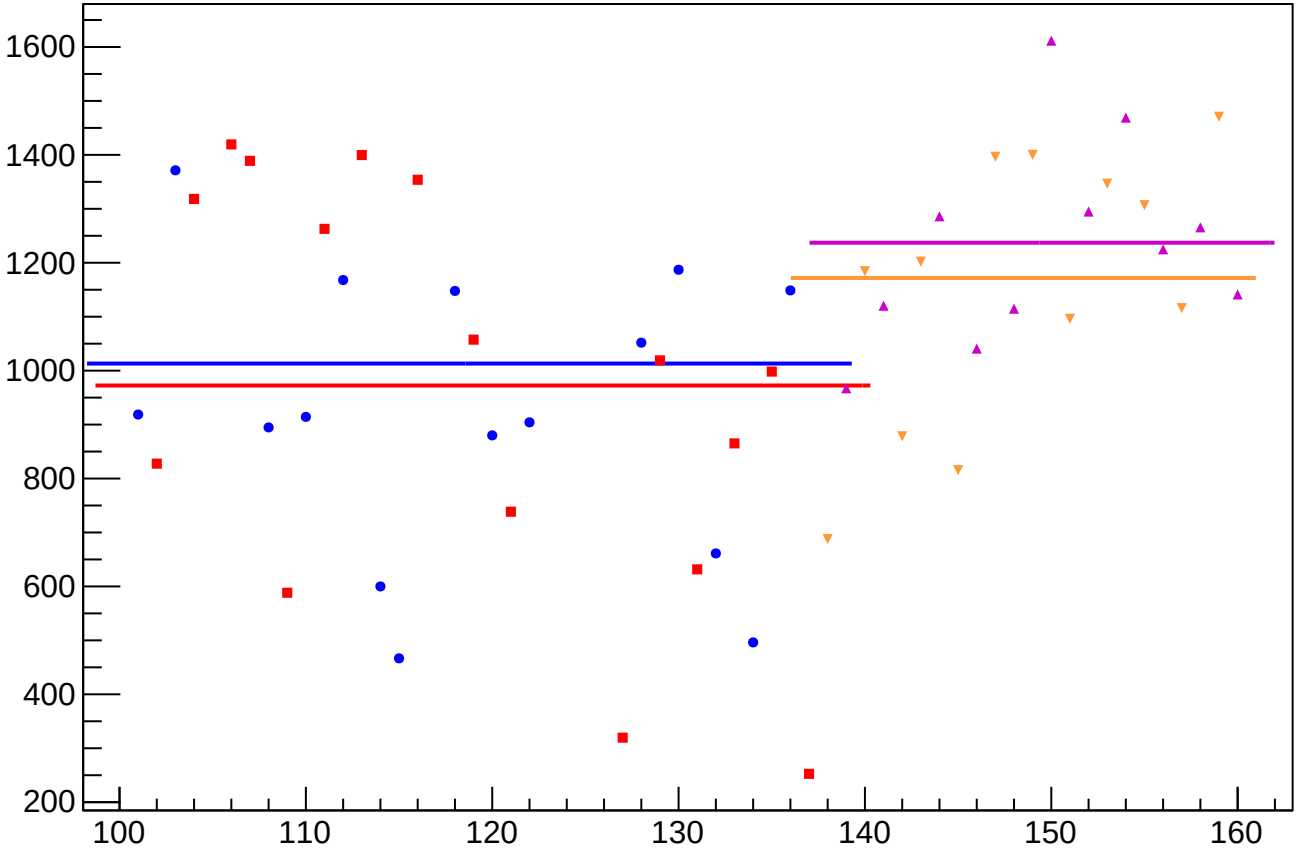
All: 63.832+/-0.000 $\chi^2$/NDF: 1341063315555

Right Out: 78.881+/-0.000 $\chi^2$/NDF: 3525129078433901202304301512966275072.0/15

- sign 60.419+/-0.000 $\chi^2$/NDF: 4219125097072467

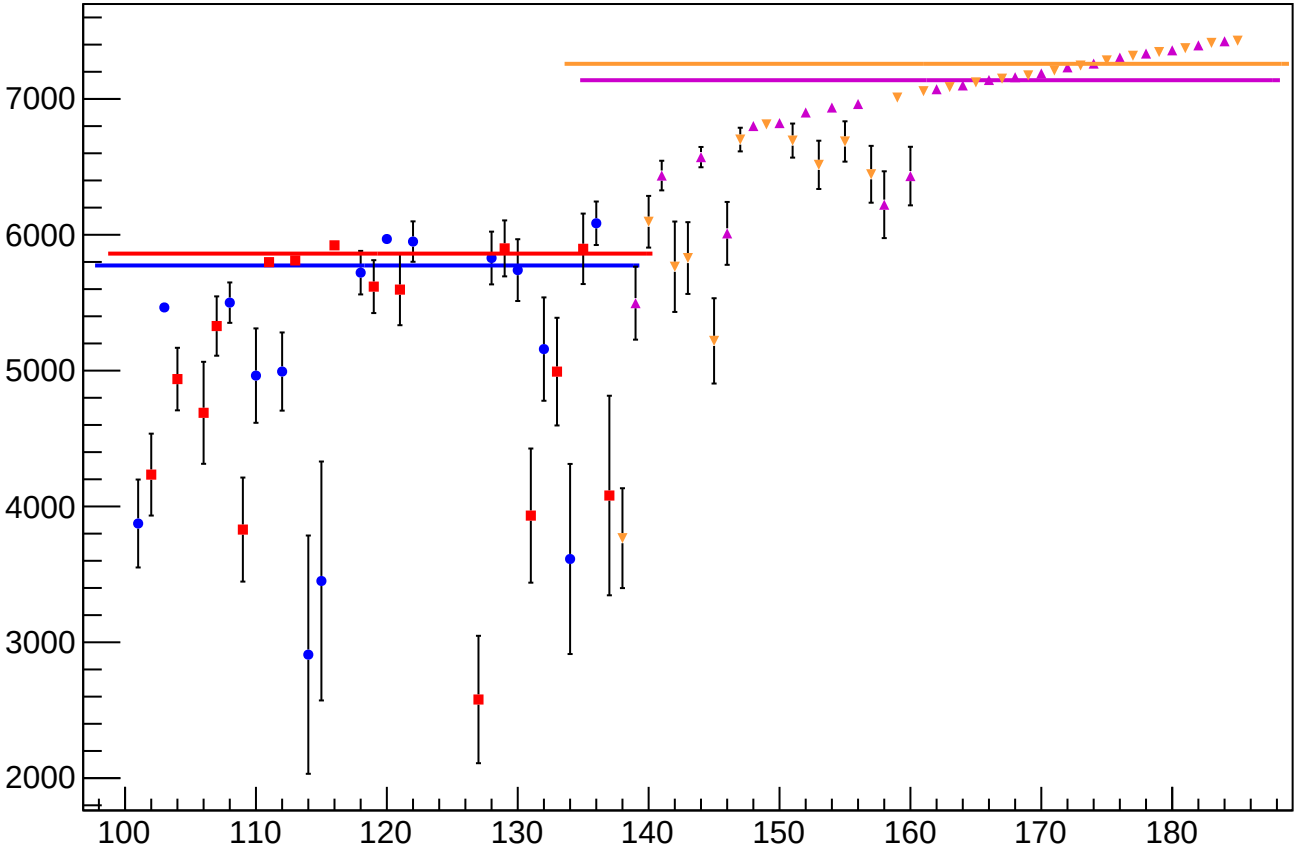
Left In: 47.092+/-0.000 $\chi^2$/NDF:3025501560868665348054471174028 00128.0/10

# dit_sam8_coil6_Ndata_mean vs Slug




Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14
+ sign 1105.927+/-0.000 $\chi^2$/NDF: 9369989467344 1
Left Out: 1171.807+/-0.000 $\chi^2$/NDF:524249012820985838563124925770372218 88.0/11
All: 1116.146+/-0.000 $\chi^2$/NDF: 2303700376 3
Right Out: 972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15
- sign 1126.185+/-0.000 $\chi^2$/NDF: 1363465673346 0
Left In: 1237.150+/-0.000 $\chi^2$/NDF:303234458439937371646919867402236723 20.0/10

# dit_run_mean vs Slug




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

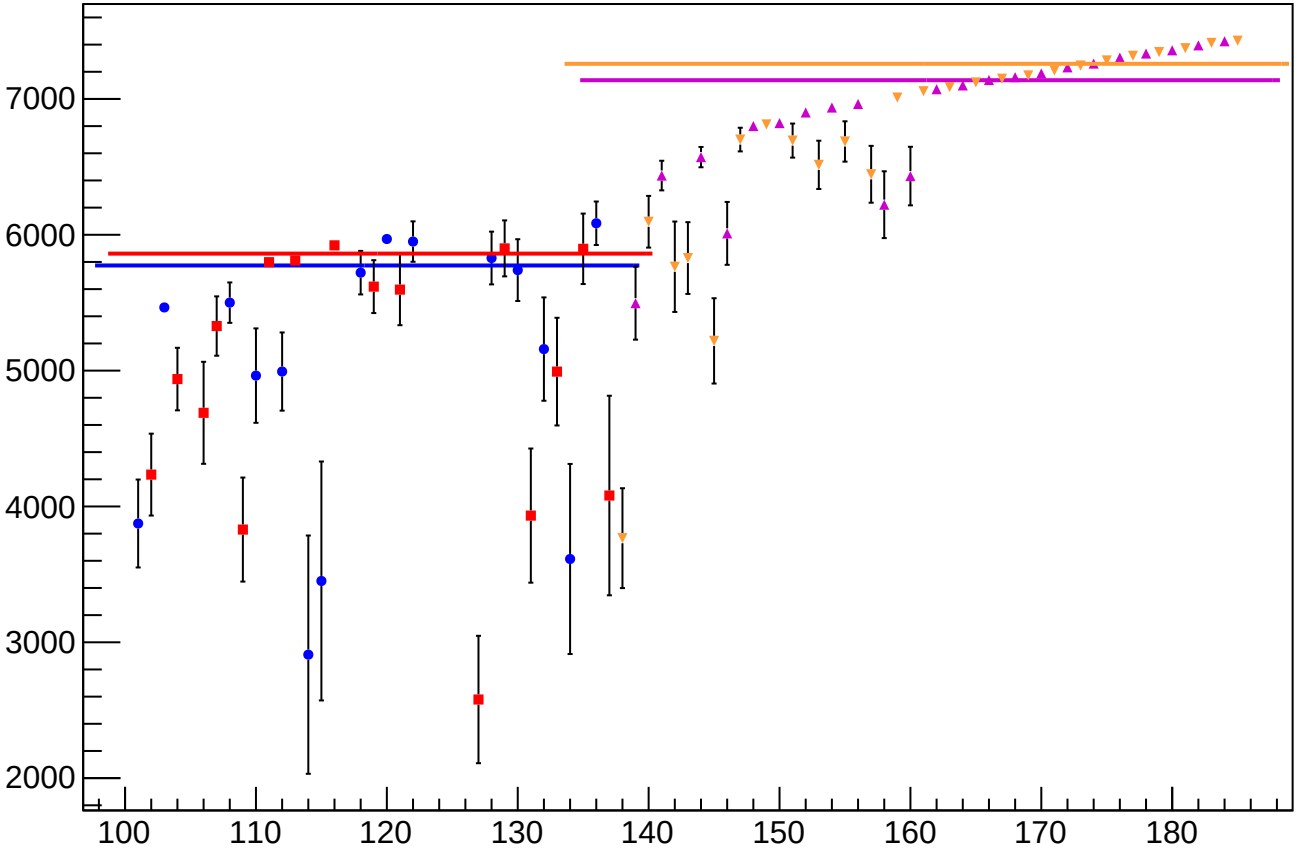
Left In: 7137.987+/-0.098 $\chi^2$/NDF:4549121.8/22

+ sign 6955.870+/-0.082 $\chi^2$/NDF: 59347357.6/39

All: 6833.085+/-0.057 $\chi^2$/NDF: 124412873.1

- sign 6715.075+/-0.080 $\chi^2$/NDF: 60662698.5/38

# dit_run_rms vs Slug




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

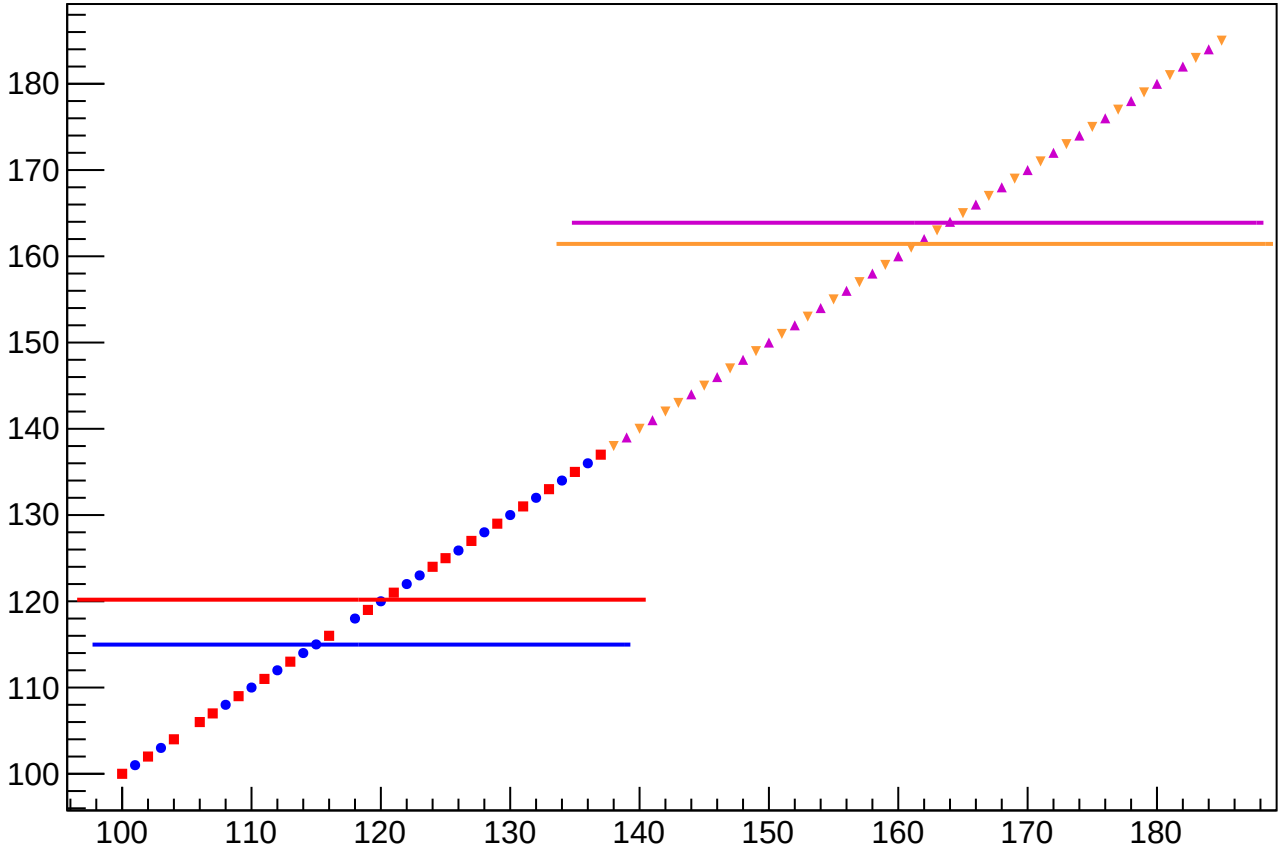
Left In: 7137.987+/-0.098 $\chi^2$/NDF:4549121.8/22

+ sign 6955.870+/-0.082 $\chi^2$/NDF: 59347357.6/39

All: 6833.085+/-0.057 $\chi^2$/NDF: 124412873.1

- sign 6715.075+/-0.080 $\chi^2$/NDF: 60662698.5/38

# dit_slug_slope vs Slug




Right In: 114.980+/-0.000 $\chi^2$/NDF: 112344936246012934714934440230912.0/16

Left Out: 161.437+/-0.000 $\chi^2$/NDF:1443514150867720869199862059499 52.0/24

Right Out: 120.186+/-0.000 $\chi^2$/NDF: 52233253644261695528198041763840.0/18

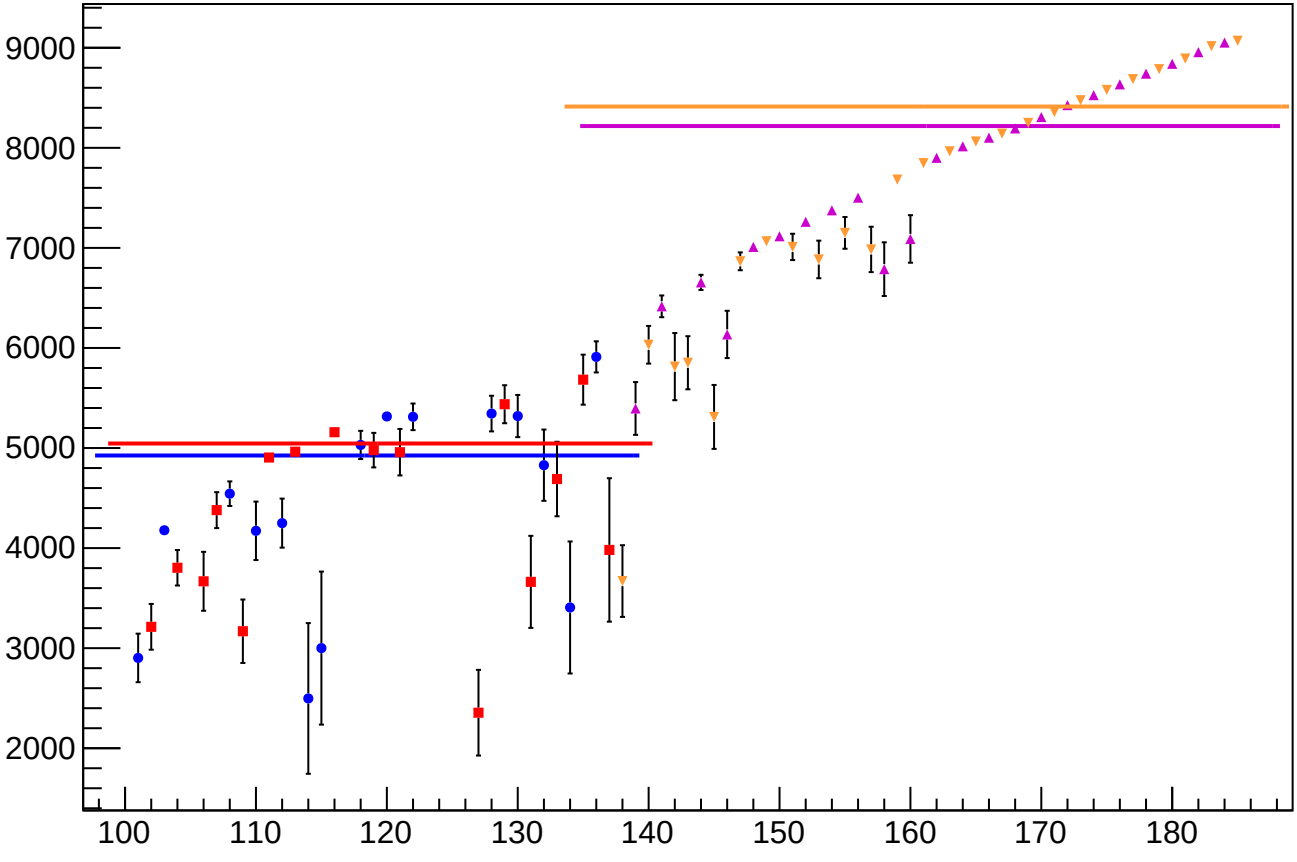
Left In: 163.890+/-0.000 $\chi^2$/NDF:206308926090069183709360387260416.0/22

+ sign 133.483+/-0.000 $\chi^2$/NDF: 152516030568371

All: 139.110+/-0.000 $\chi^2$/NDF: 30387430742 4

- sign 145.011+/-0.000 $\chi^2$/NDF: 135450294643886

# dit_cyclenum_mean vs Slug




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

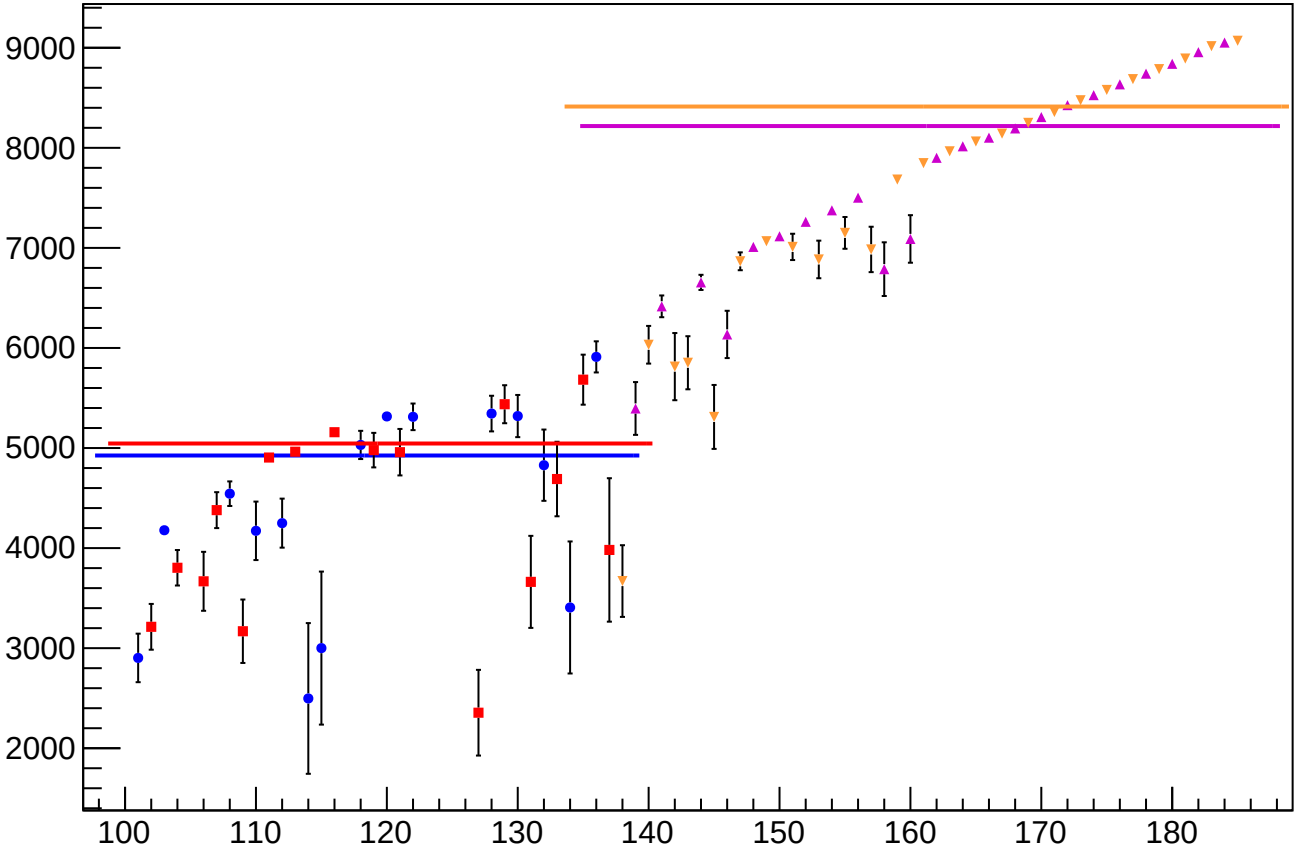
Left In: 8217.639+/-0.381 $\chi^2$/NDF:2974101.4/22

+ sign 7886.489+/-0.365 $\chi^2$/NDF: 14157267.1/39

All: 7641.112+/-0.245 $\chi^2$/NDF: 35014772.5/7

- sign 7439.138+/-0.331 $\chi^2$/NDF: 20031979.1/38

# dit_cyclenum_rms vs Slug




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

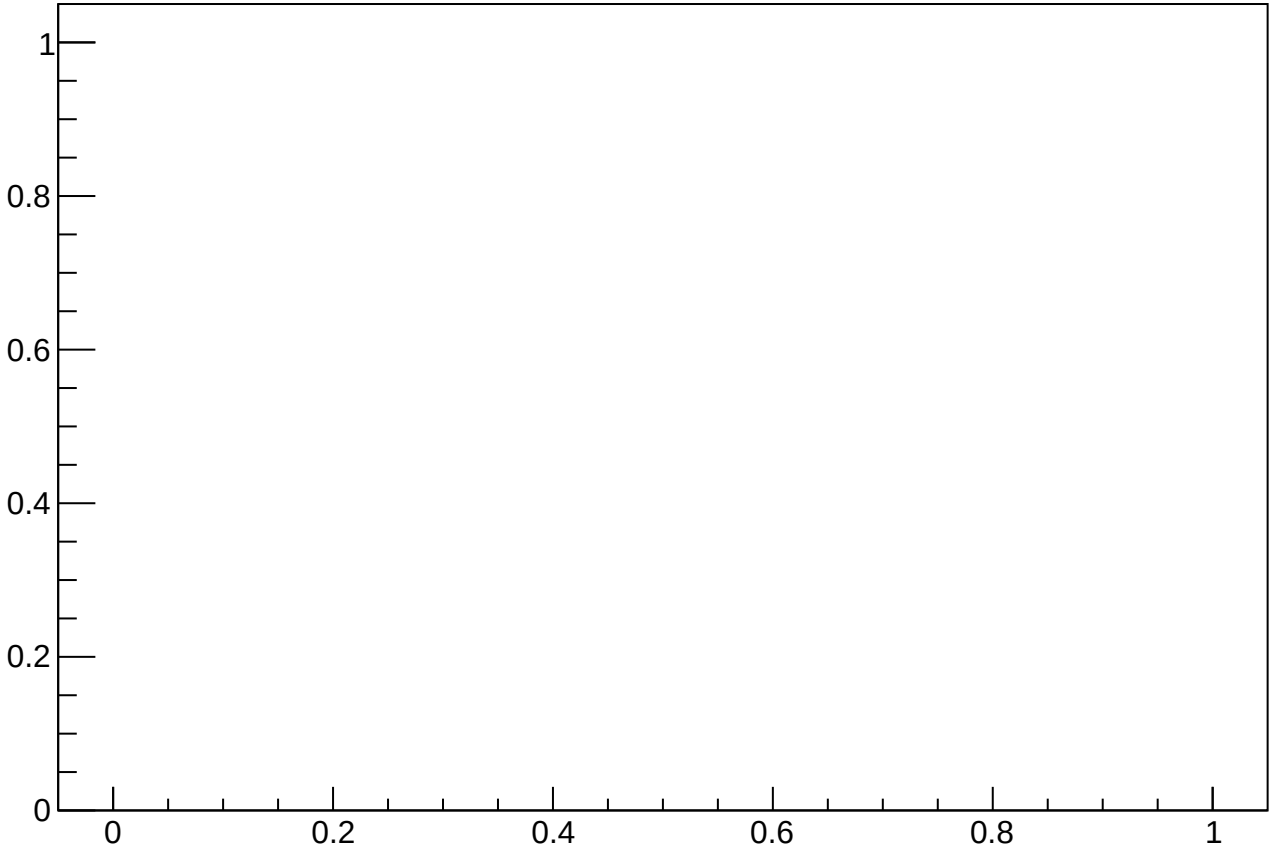
Left In: 8217.639+/-0.381 $\chi^2$/NDF:2974101.4/22

+ sign 7886.489+/-0.365 $\chi^2$/NDF: 14157267.1/39

All: 7641.112+/-0.245 $\chi^2$/NDF: 35014772.5/7

- sign 7439.138+/-0.331 $\chi^2$/NDF: 20031979.1/38

# dit_scandata1_mean vs Slug




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

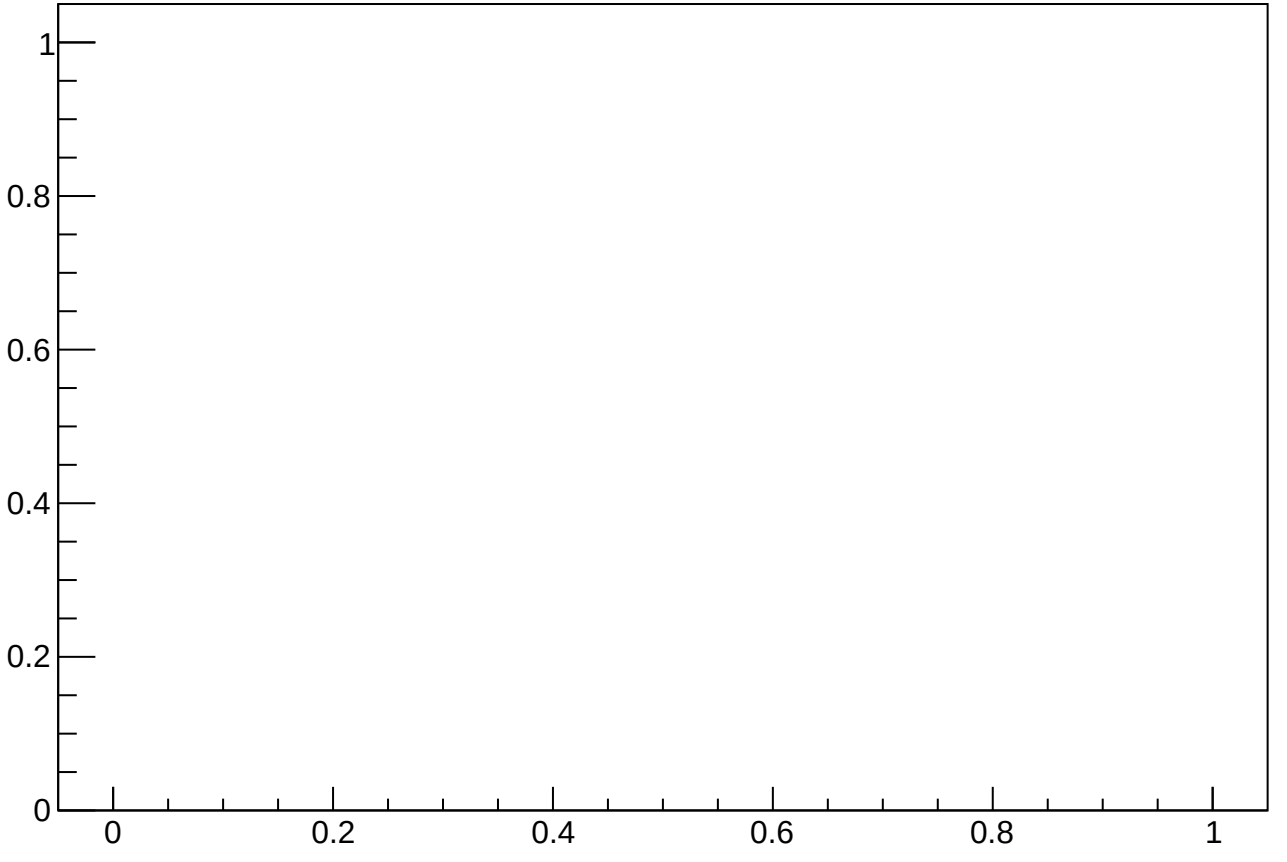
Left In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

+ sign 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

All: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

- sign 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

# dit_scandata1_rms vs Slug




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

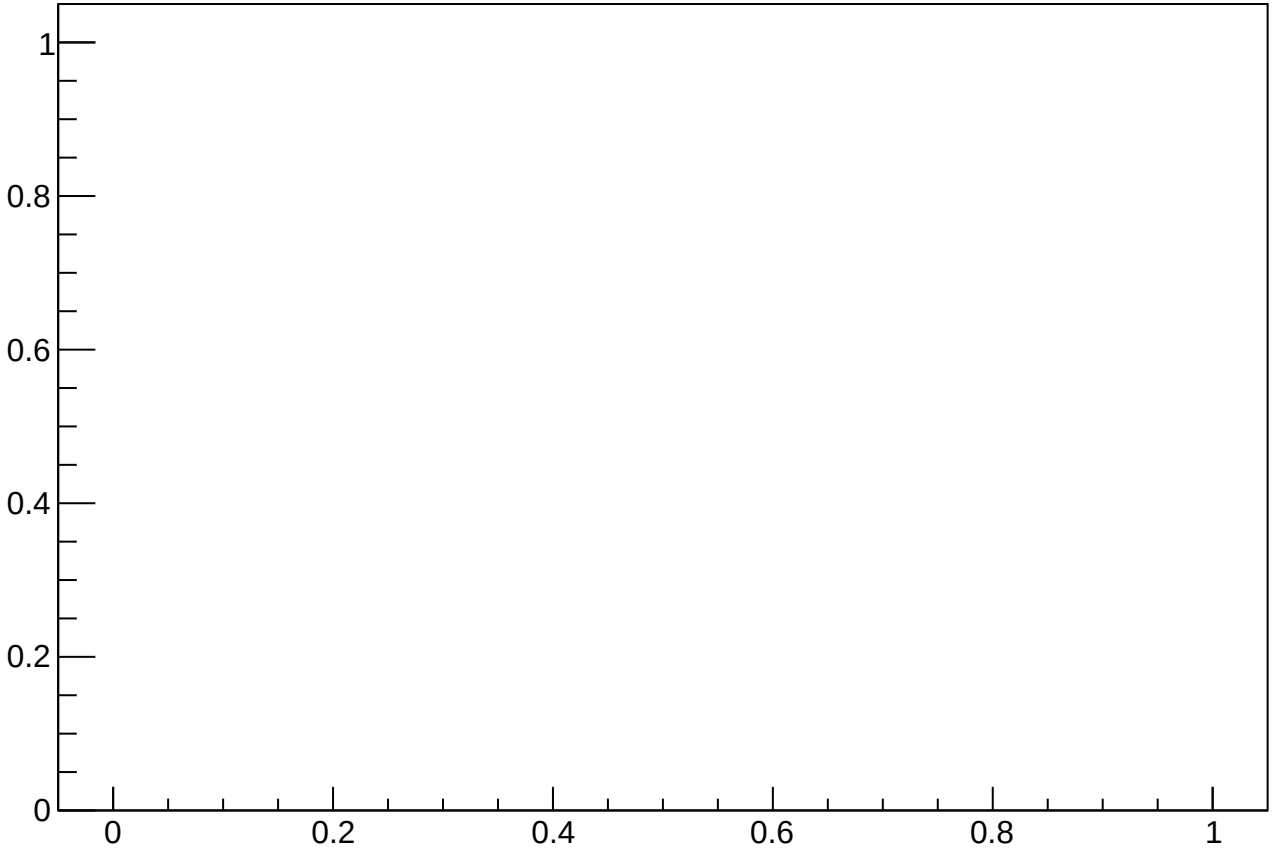
Left In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

+ sign 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

All: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

- sign 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

# dit_scandata2_mean vs Slug




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

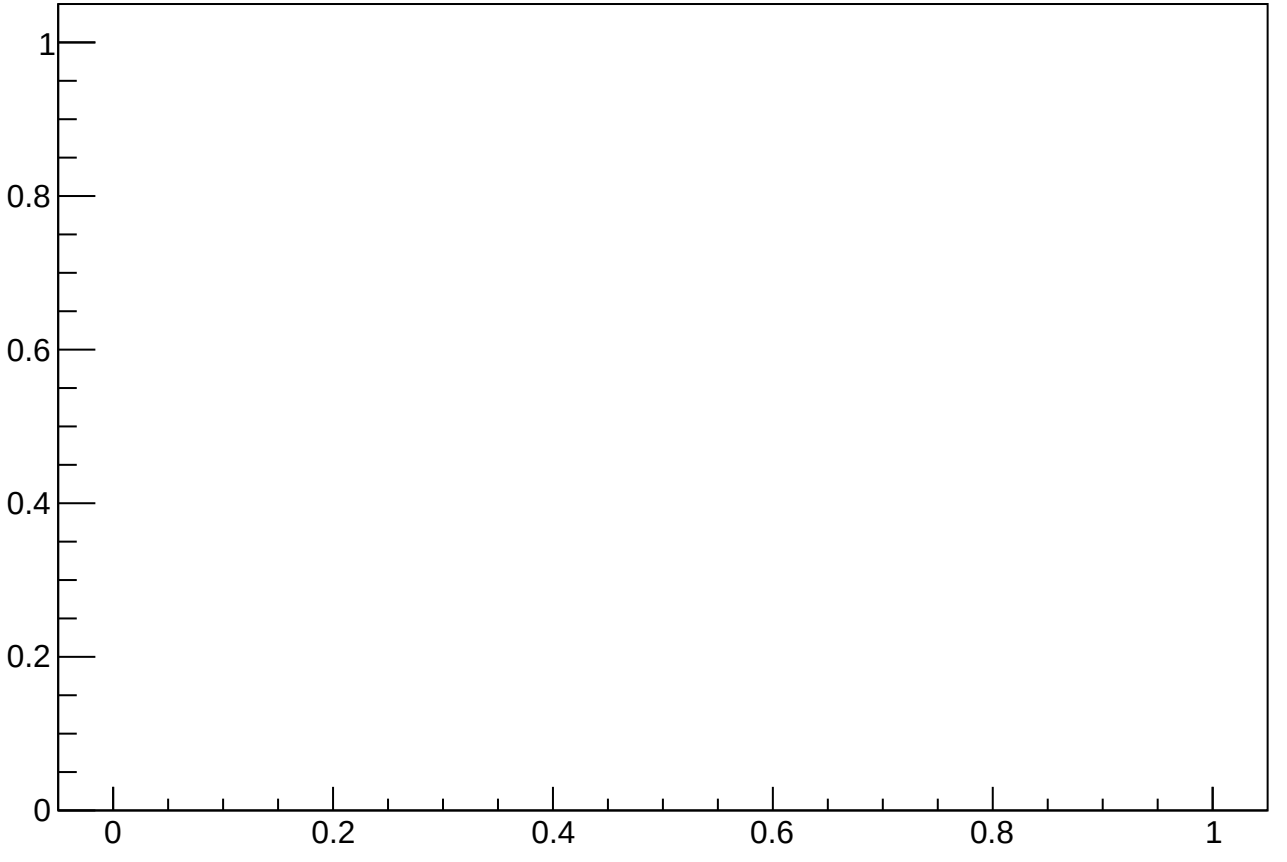
Left In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

+ sign 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

All: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

- sign 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

# dit_scandata2_rms vs Slug




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

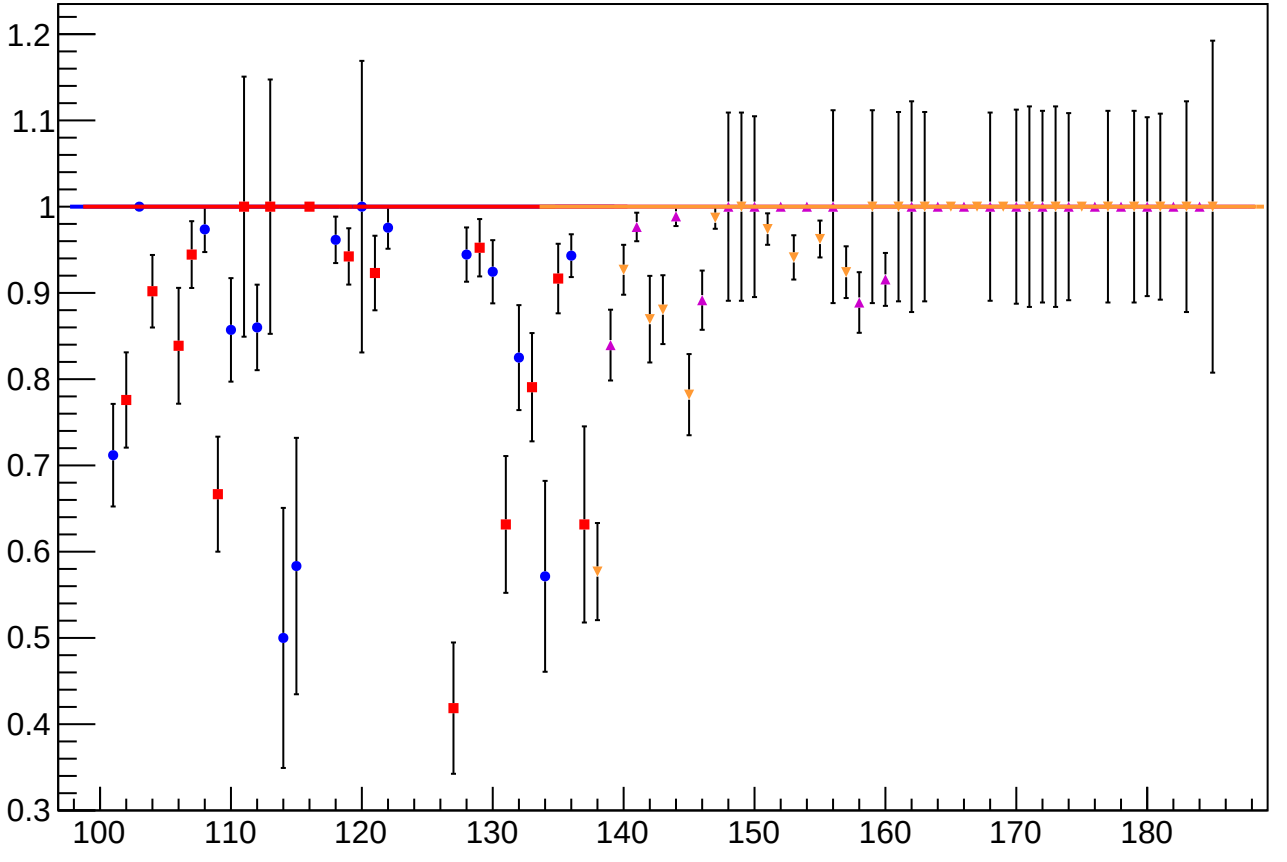
Left In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

+ sign 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

All: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

- sign 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

# dit_flag_mean vs Slug




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

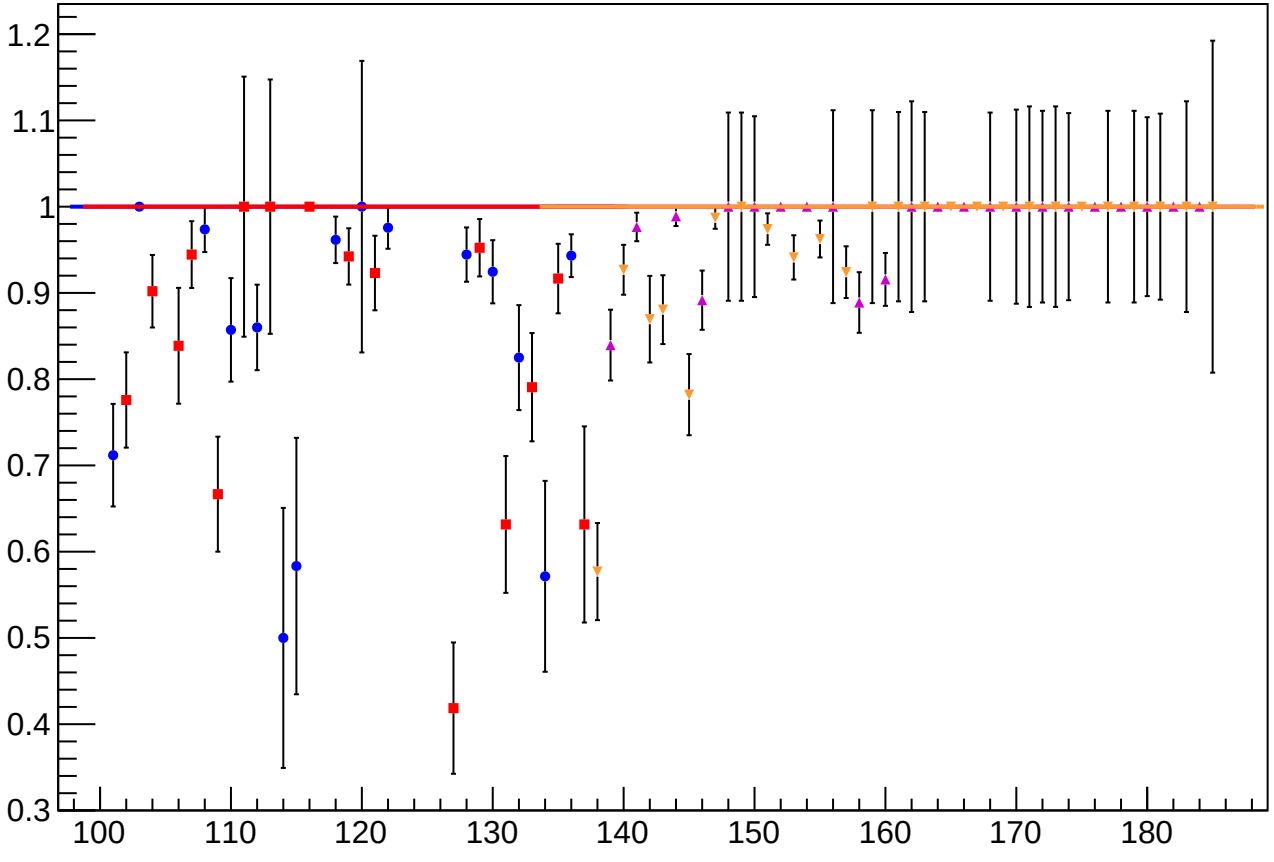
Left In: 1.000+/-0.000 $\chi^2$/NDF:385.6/22

+ sign 1.000+/-0.000 $\chi^2$/NDF: 567.7/39

All: 1.000+/-0.000 $\chi^2$/NDF: 1354.4/78

- sign 1.000+/-0.000 $\chi^2$/NDF: 610.7/38

# dit_flag_rms vs Slug




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

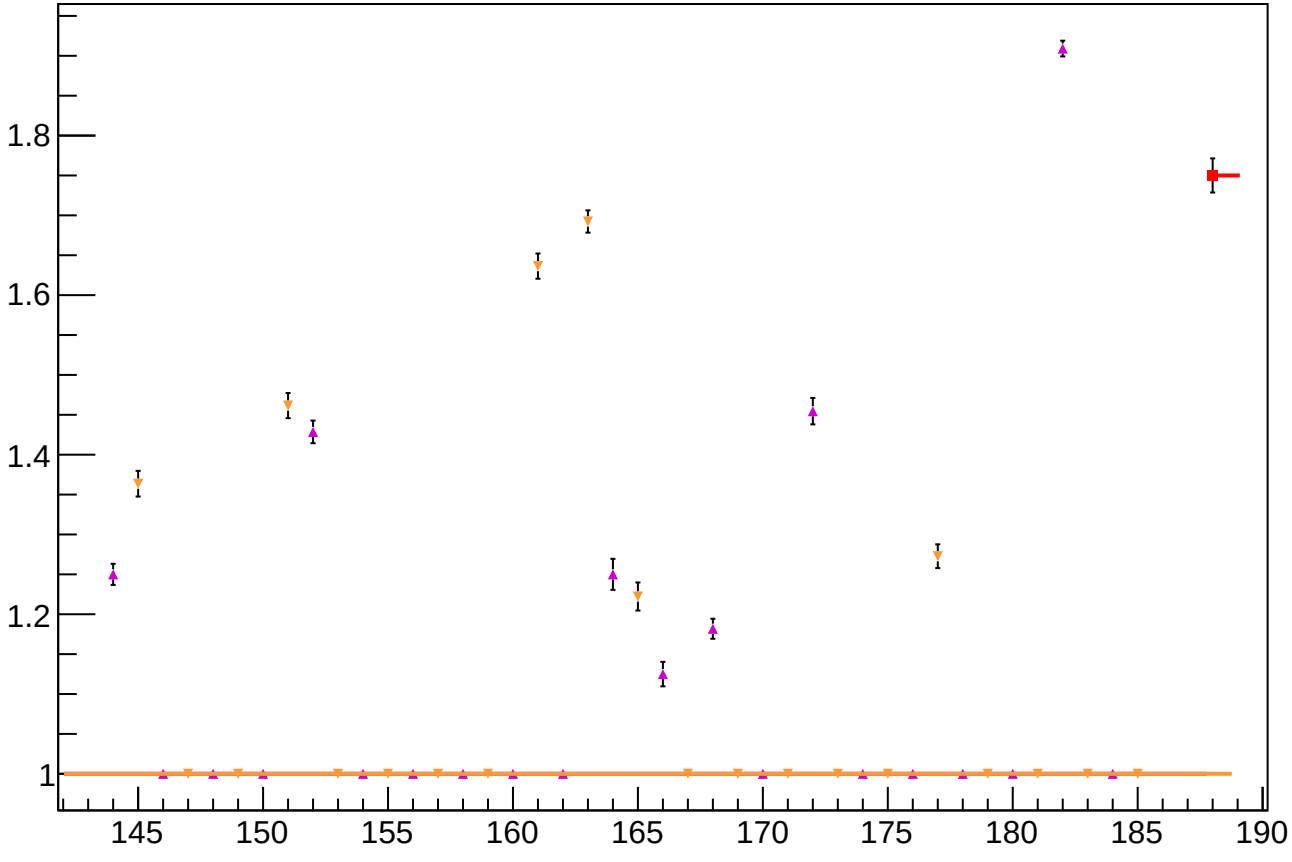
Left In: 1.000+/-0.000 $\chi^2$/NDF:385.6/22

+ sign 1.000+/-0.000 $\chi^2$/NDF: 567.7/39

All: 1.000+/-0.000 $\chi^2$/NDF: 1354.4/78

- sign 1.000+/-0.000 $\chi^2$/NDF: 610.7/38

# dit_segment_slope vs Slug




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

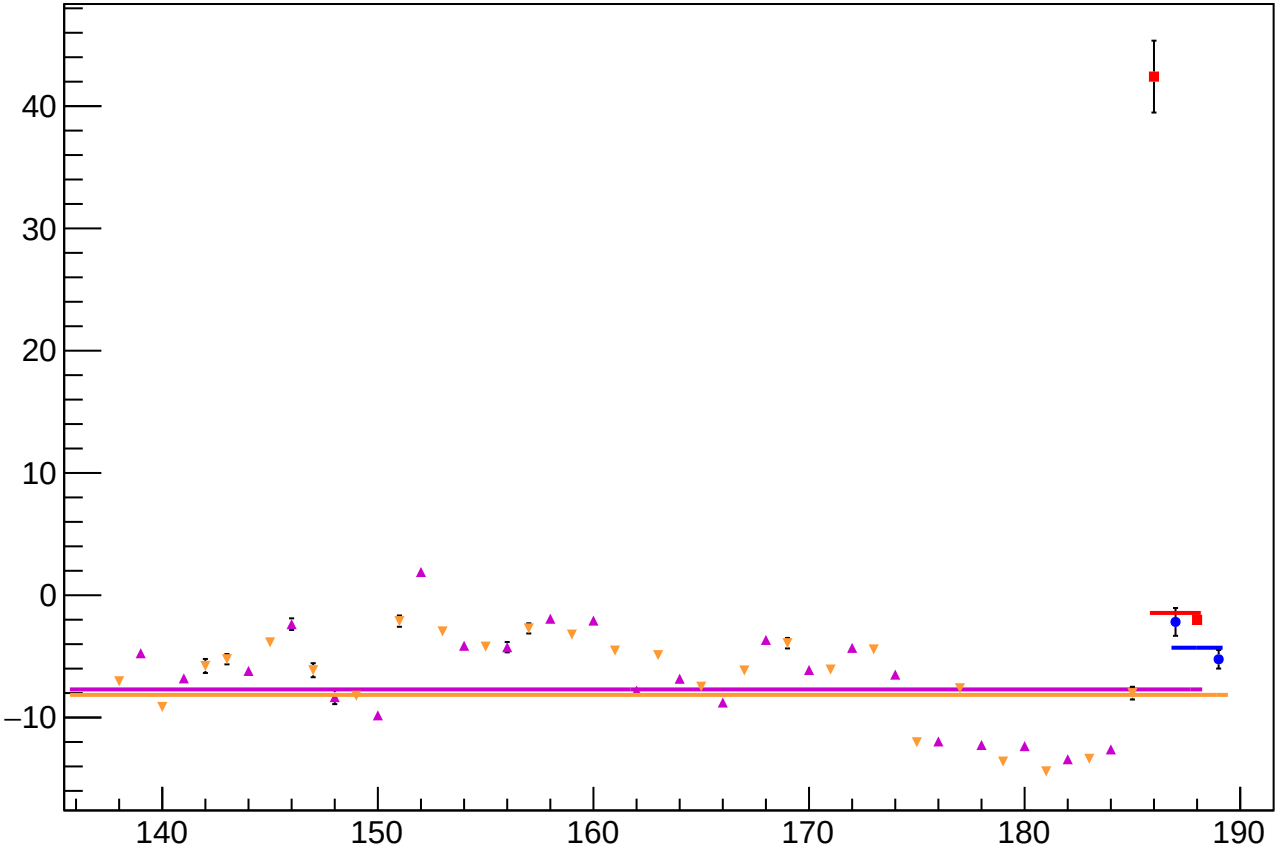
Left In: 1.000+/-0.000 $\chi^2$/NDF:12089.0/20

+ sign 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

All: 1.000+/-0.000 $\chi^2$/NDF: 20344.2/42

- sign 1.000+/-0.000 $\chi^2$/NDF: 13319.6/21

# reg_asym_sam1_diff_bpm1X_slope vs Slug




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

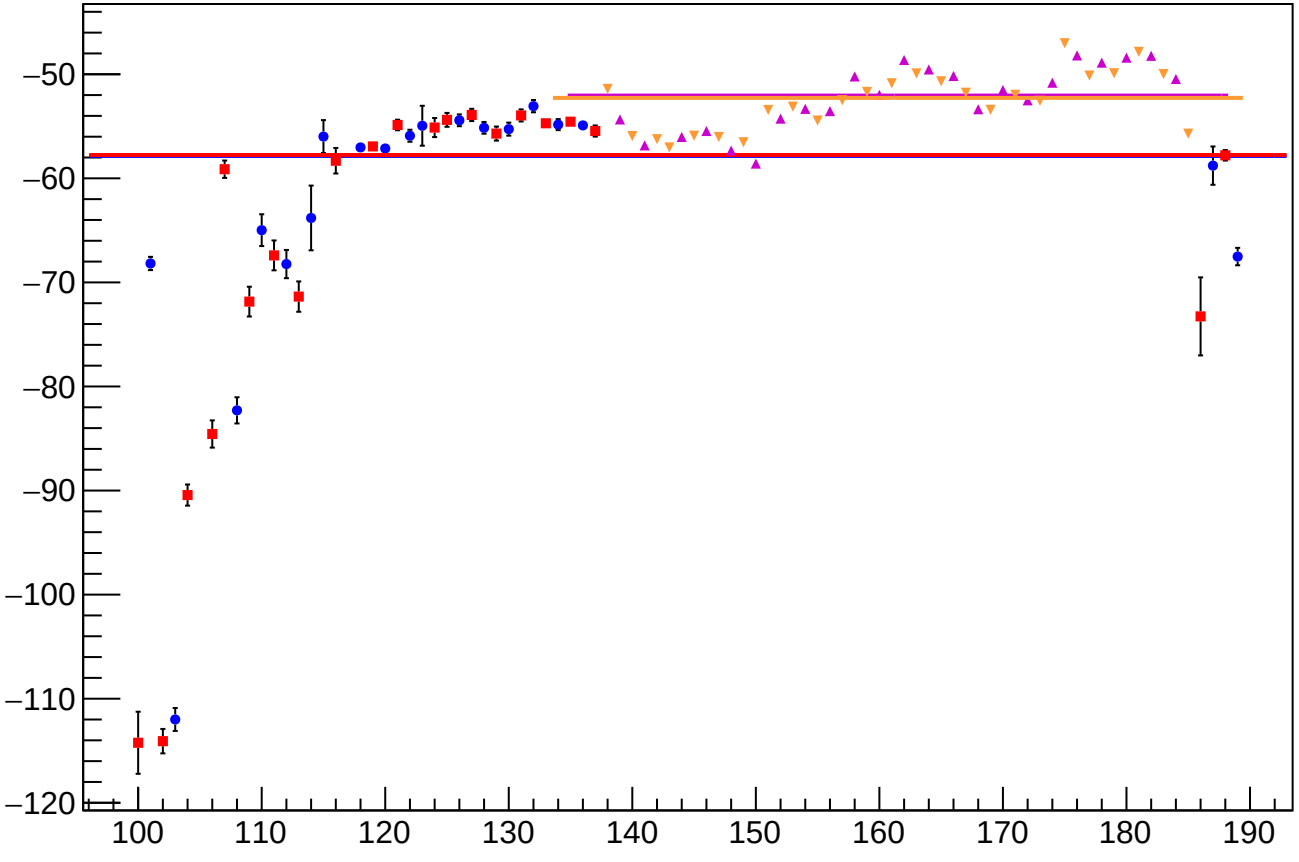
Left In: -7.701+/-0.068 $\chi^2$/NDF:3737.2/22

+ sign -8.106+/-0.067 $\chi^2$/NDF: 3654.9/26

All: -7.777+/-0.047 $\chi^2$/NDF: 8002.5/51

- sign -7.449+/-0.067 $\chi^2$/NDF: 4299.7/24

# reg_asym_sam1_diff_bpm4aY_slope vs Slug




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

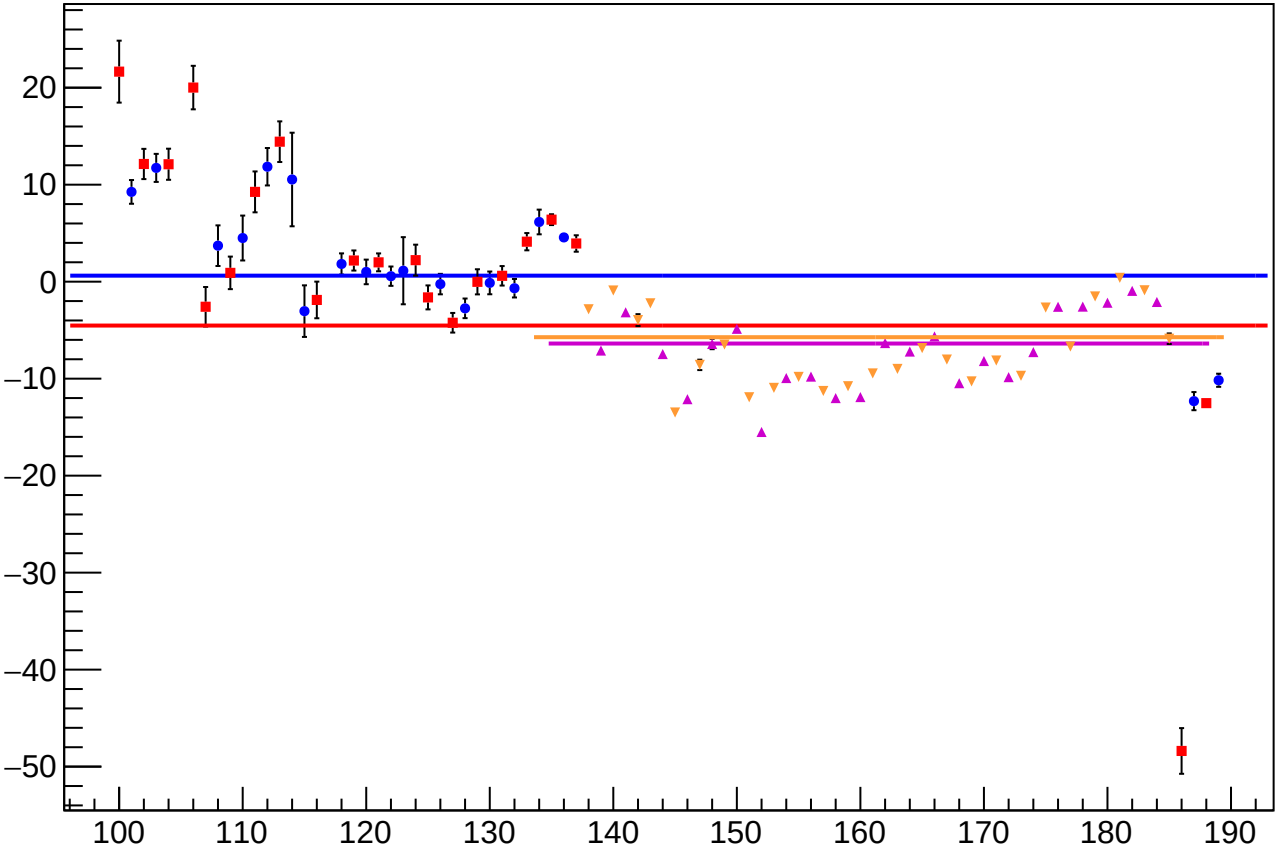
Left In: -52.050+/-0.057 $\chi^2$/NDF:3197.5/22

+ sign -53.030+/-0.051 $\chi^2$/NDF: 7590.2/43

All: -52.960+/-0.037 $\chi^2$/NDF: 16979.5/87

- sign -52.887+/-0.053 $\chi^2$/NDF: 9385.6/43

# reg_asym_sam1_diff_bpm4eX_slope vs Slug




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

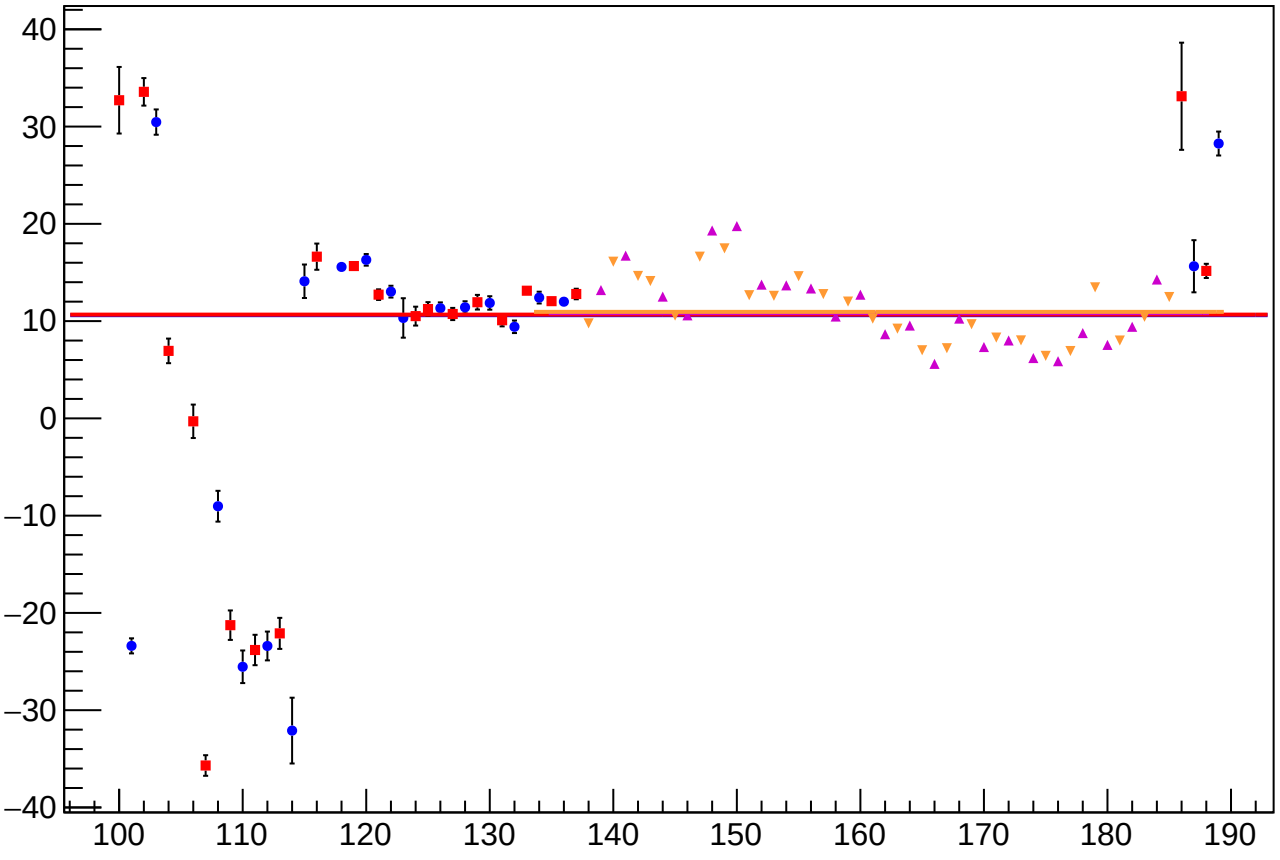
Left In: -6.379+/-0.068 $\chi^2$/NDF:3395.7/22

+ sign -5.232+/-0.065 $\chi^2$/NDF: 5401.1/43

All: -5.705+/-0.046 $\chi^2$/NDF: 11471.8/87

- sign -6.167+/-0.064 $\chi^2$/NDF: 5966.0/43

# reg_asym_sam1_diff_bpm4eY_slope vs Slug




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

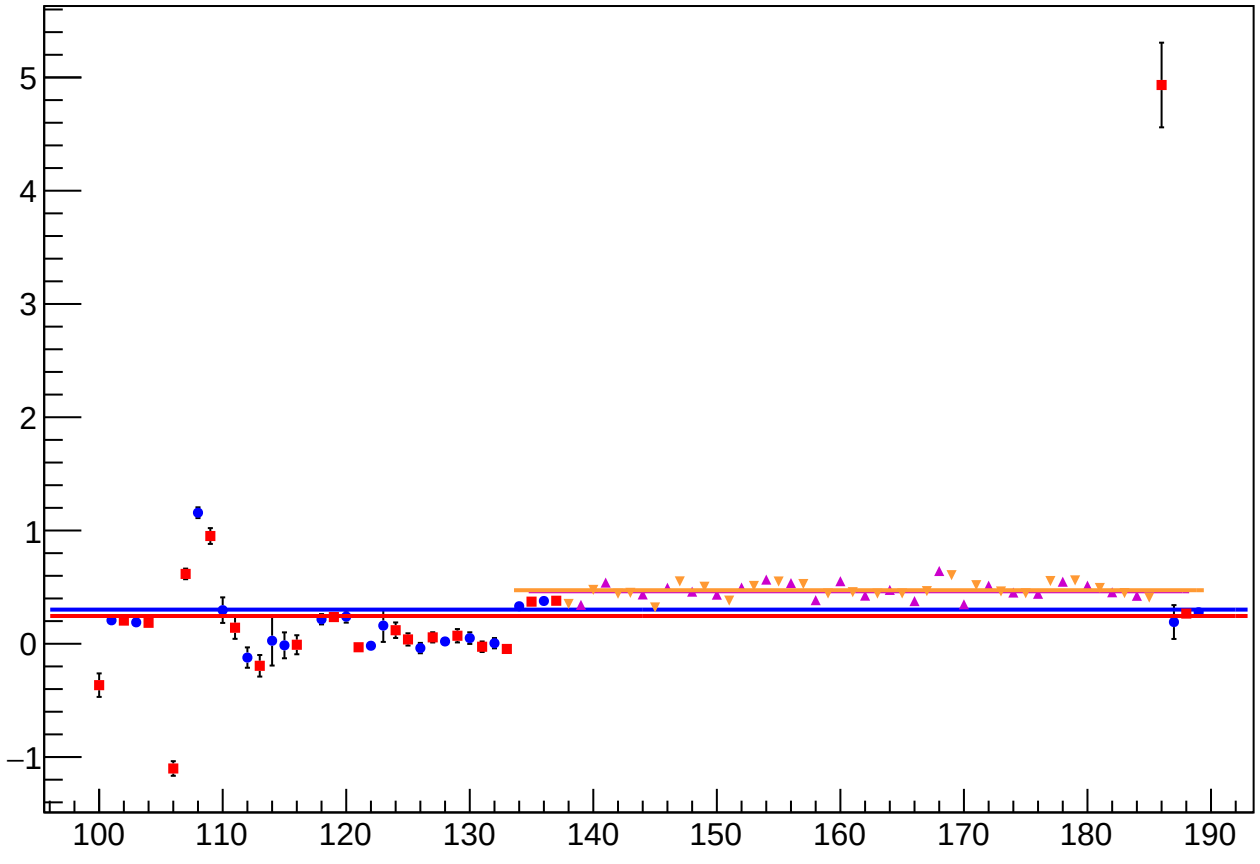
Left In: 10.818+/-0.063 $\chi^2$/NDF:3577.7/22

+ sign 10.904+/-0.057 $\chi^2$/NDF: 6549.8/43

All: 10.852+/-0.041 $\chi^2$/NDF: 14015.1/87

- sign 10.797+/-0.058 $\chi^2$/NDF: 7463.6/43

# reg_asym_sam1_diff_bpm12X_slope vs Slug




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

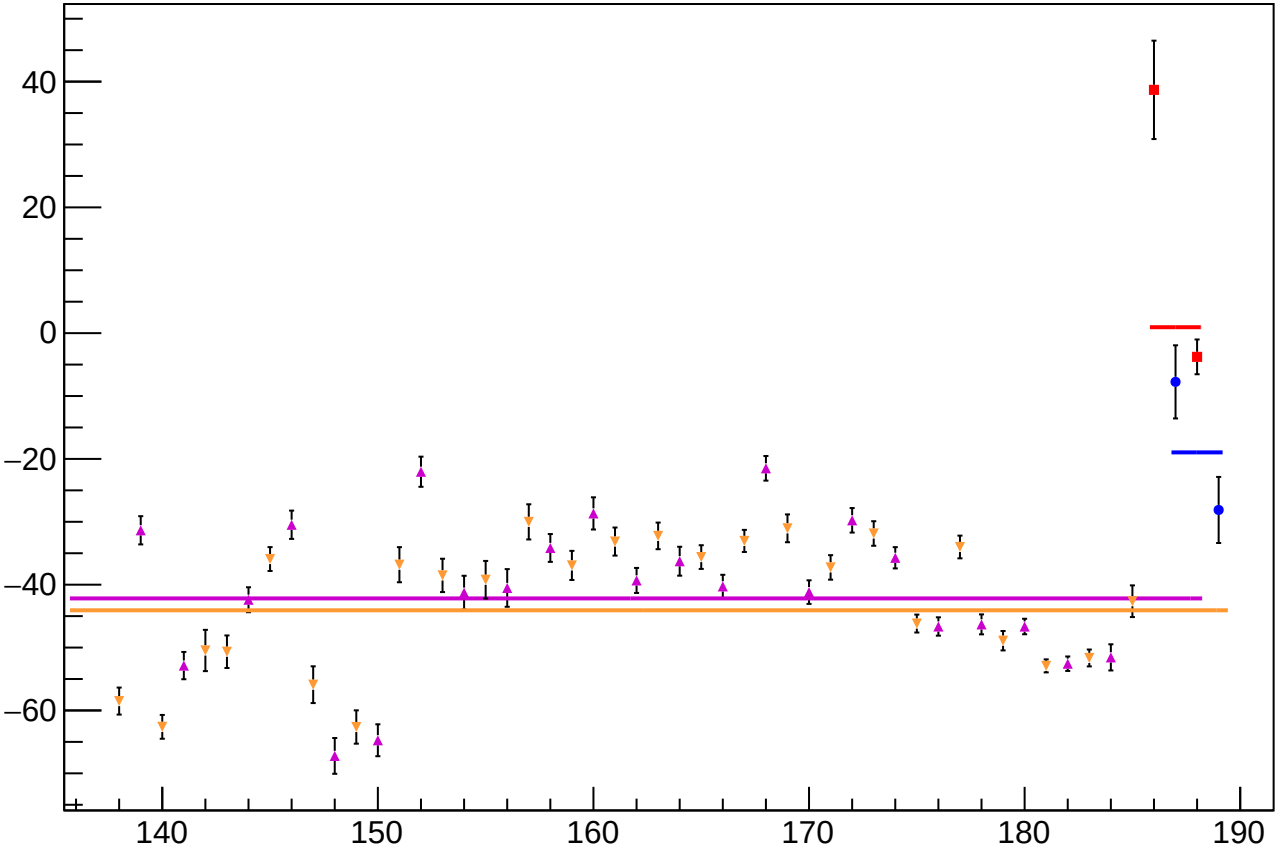
Left In: 0.463+/-0.003 $\chi^2$/NDF:749.9/22

+ sign 0.455+/-0.003 $\chi^2$/NDF: 1567.5/43

All: 0.448+/-0.002 $\chi^2$/NDF: 4109.3/87

- sign 0.441+/-0.003 $\chi^2$/NDF: 2528.4/43

# reg_asym_sam2_diff_bpm1X_slope vs Slug




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

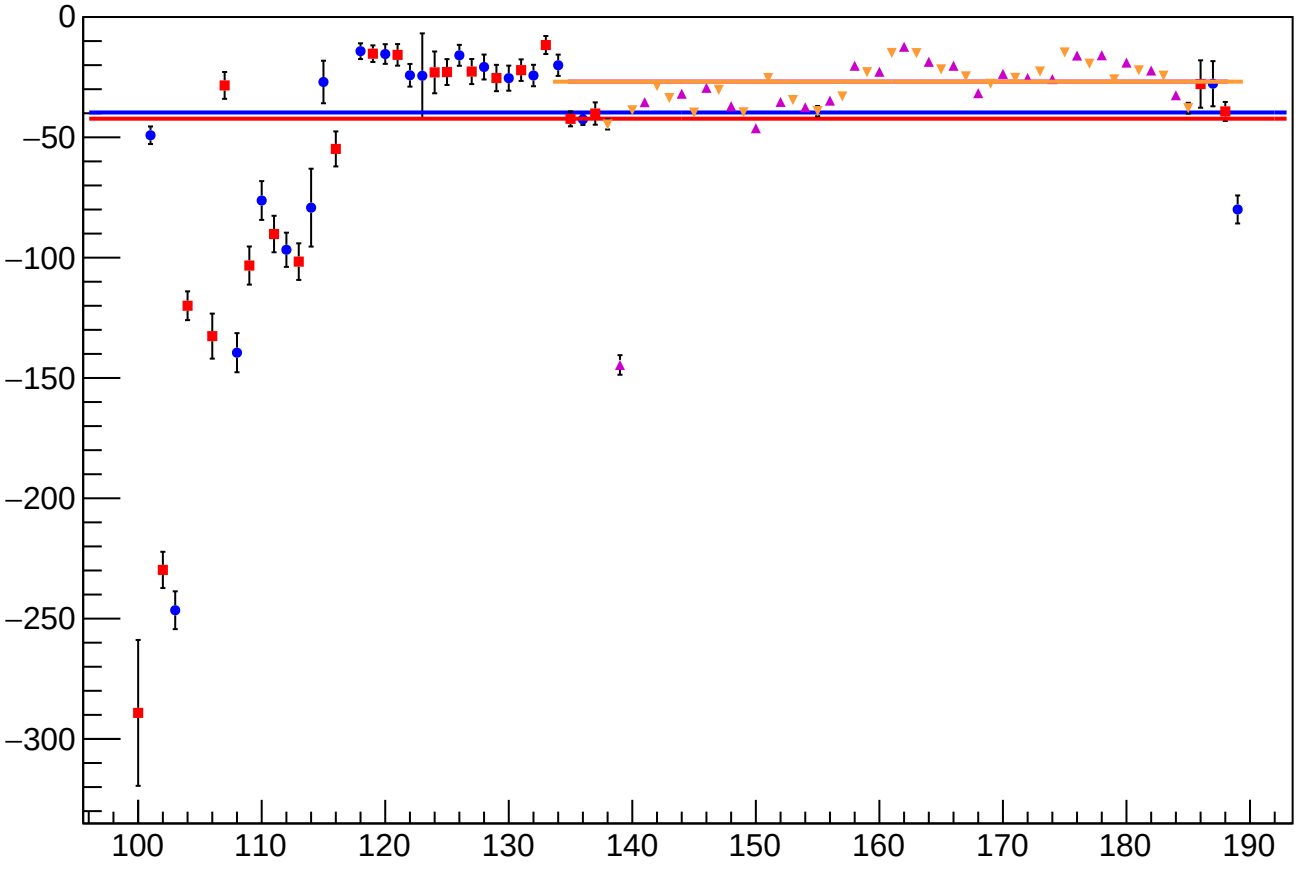
Left In: -42.185+/-0.398 $\chi^2$/NDF:651.0/22

+ sign -43.826+/-0.387 $\chi^2$/NDF: 680.7/26

All: -42.535+/-0.276 $\chi^2$/NDF: 1647.9/51

- sign -41.206+/-0.393 $\chi^2$/NDF: 944.7/24

# reg_asym_sam2_diff_bpm4aY_slope vs Slug




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

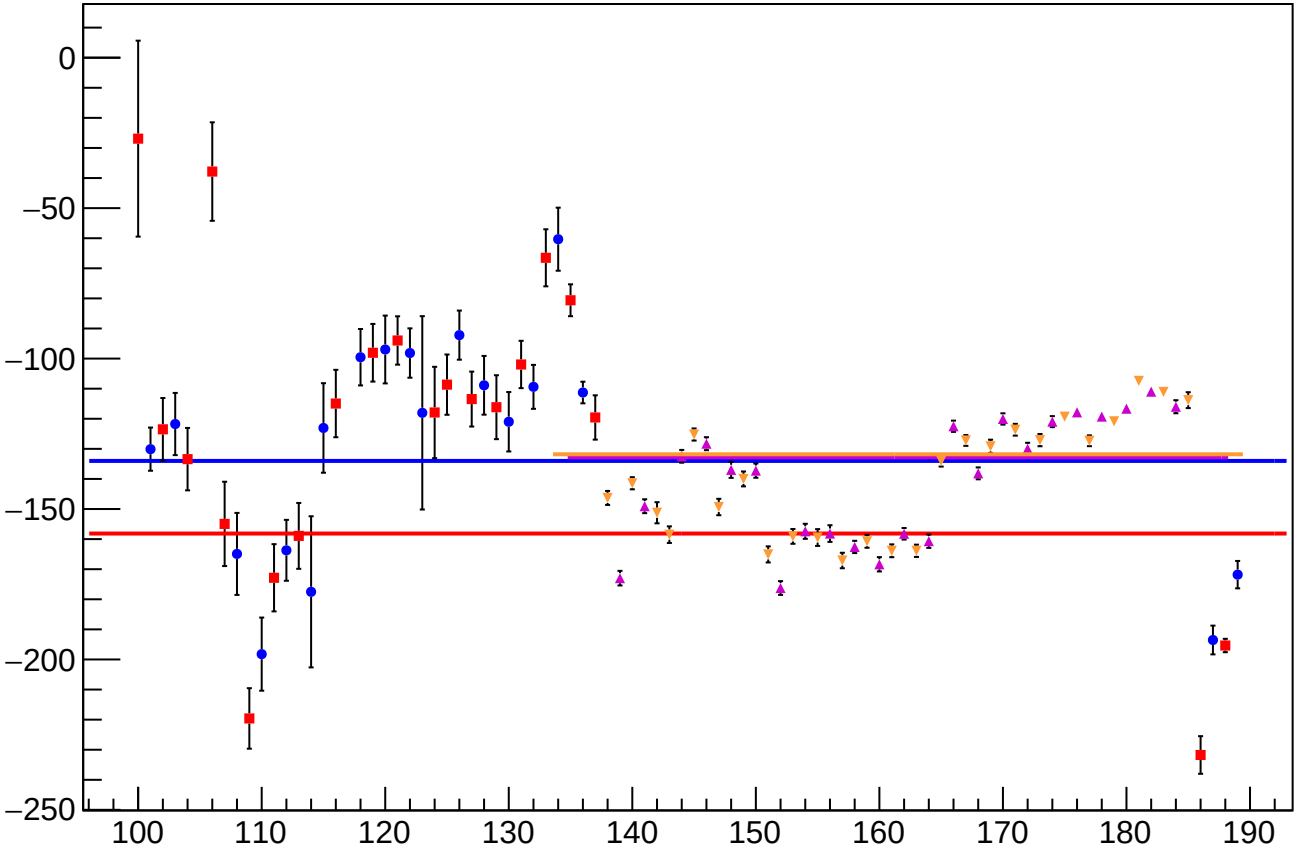
Left In: -26.825+/-0.325 $\chi^2$/NDF:1481.6/22

+ sign -27.836+/-0.305 $\chi^2$/NDF: 1936.1/43

All: -27.901+/-0.218 $\chi^2$/NDF: 4929.0/87

- sign -27.970+/-0.313 $\chi^2$/NDF: 2992.9/43

# reg_asym_sam2_diff_bpm4eX_slope vs Slug




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

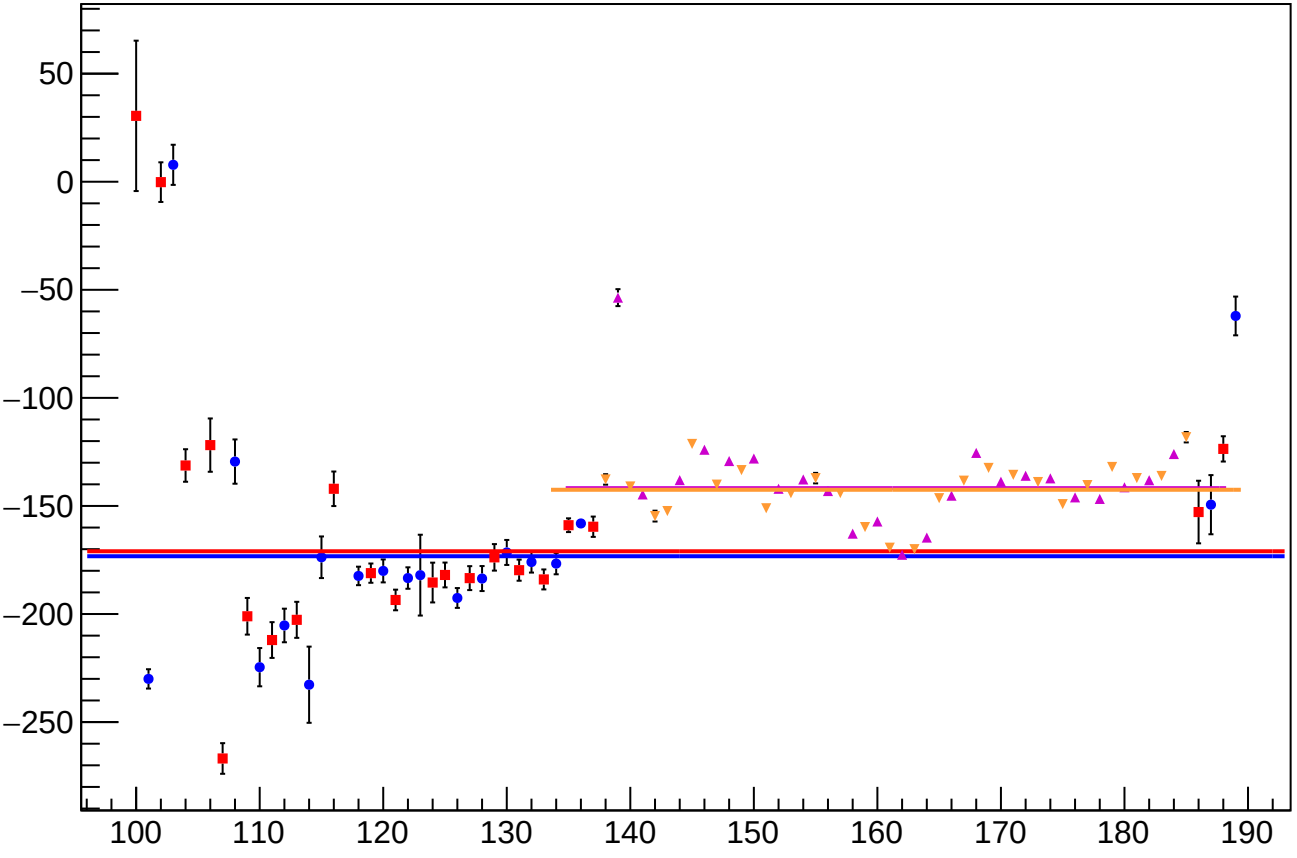
Left In: -132.799+/-0.398 $\chi^2$/NDF:2515.9/22

+ sign -131.910+/-0.383 $\chi^2$/NDF: 2868.5/43

All: -133.159+/-0.271 $\chi^2$/NDF: 6783.9/87

- sign -134.423+/-0.385 $\chi^2$/NDF: 3894.0/43

# reg_asym_sam2_diff_bpm4eY_slope vs Slug




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

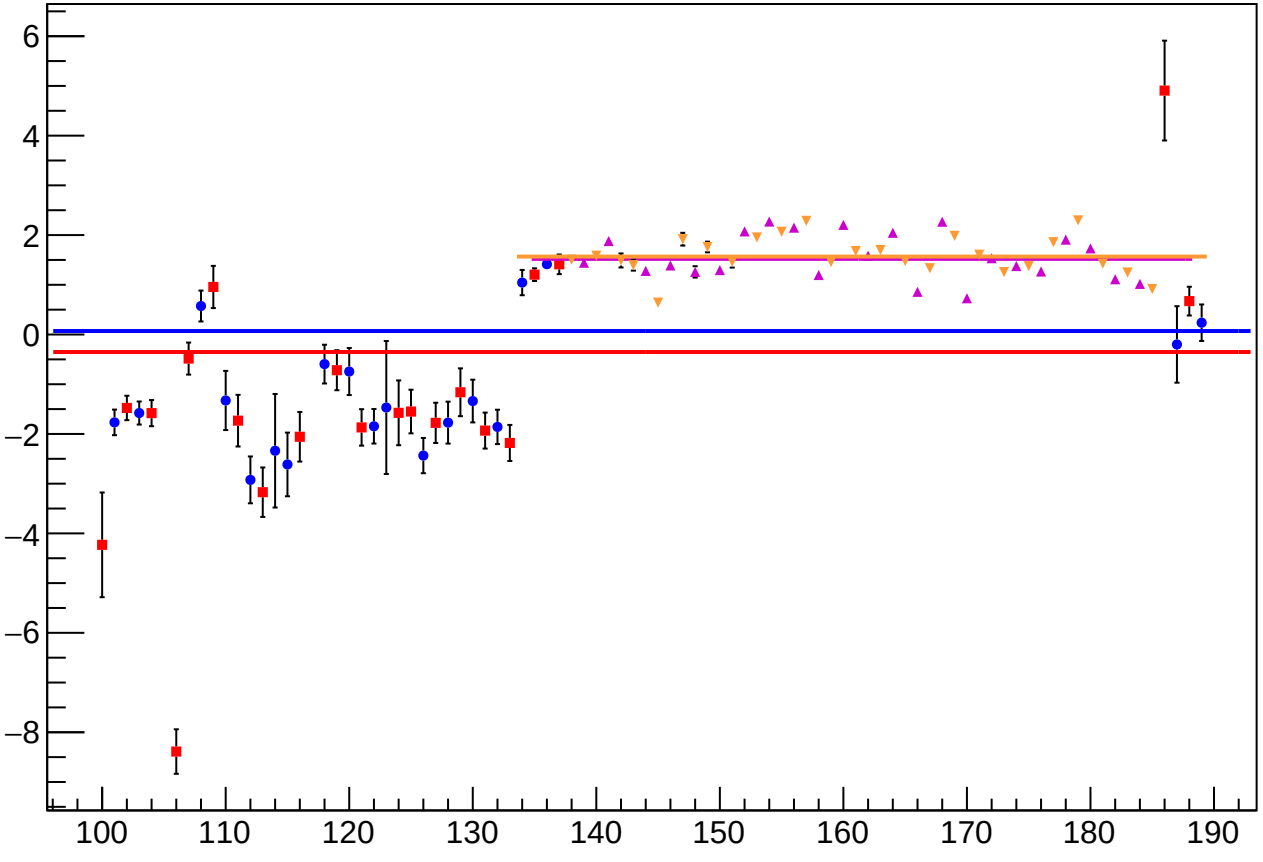
Left In: -141.769+/-0.363 $\chi^2$/NDF:1604.4/22

+ sign -144.810+/-0.341 $\chi^2$/NDF: 2557.8/43

All: -144.332+/-0.244 $\chi^2$/NDF: 5432.8/87

- sign -143.832+/-0.350 $\chi^2$/NDF: 2870.9/43

# reg_asym_sam2_diff_bpm12X_slope vs Slug




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

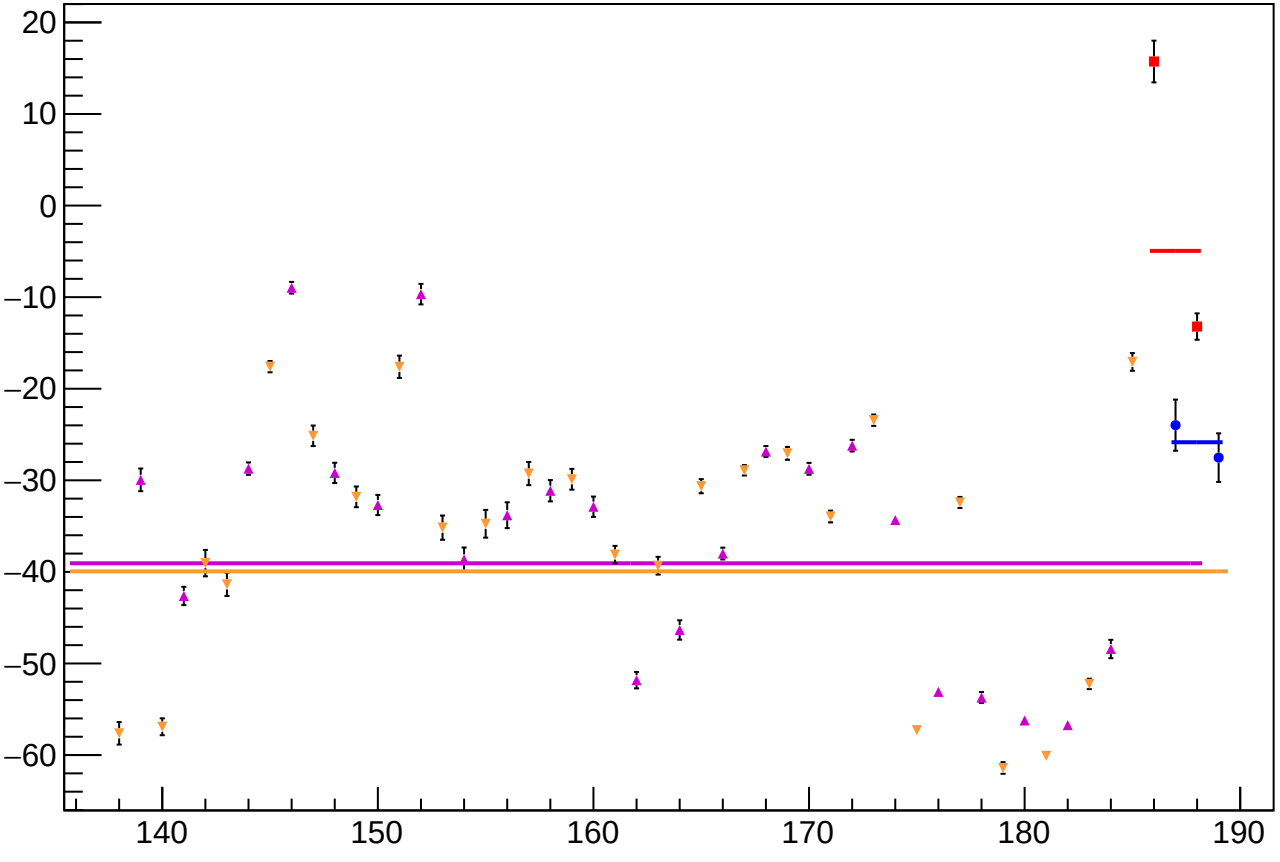
Left In: 1.522+/-0.016 $\chi^2$/NDF:739.1/22

+ sign 1.482+/-0.016 $\chi^2$/NDF: 1558.0/43

All: 1.452+/-0.011 $\chi^2$/NDF: 3801.0/87

- sign 1.421+/-0.016 $\chi^2$/NDF: 2235.7/43

# reg_asym_sam3_diff_bpm1X_slope vs Slug




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

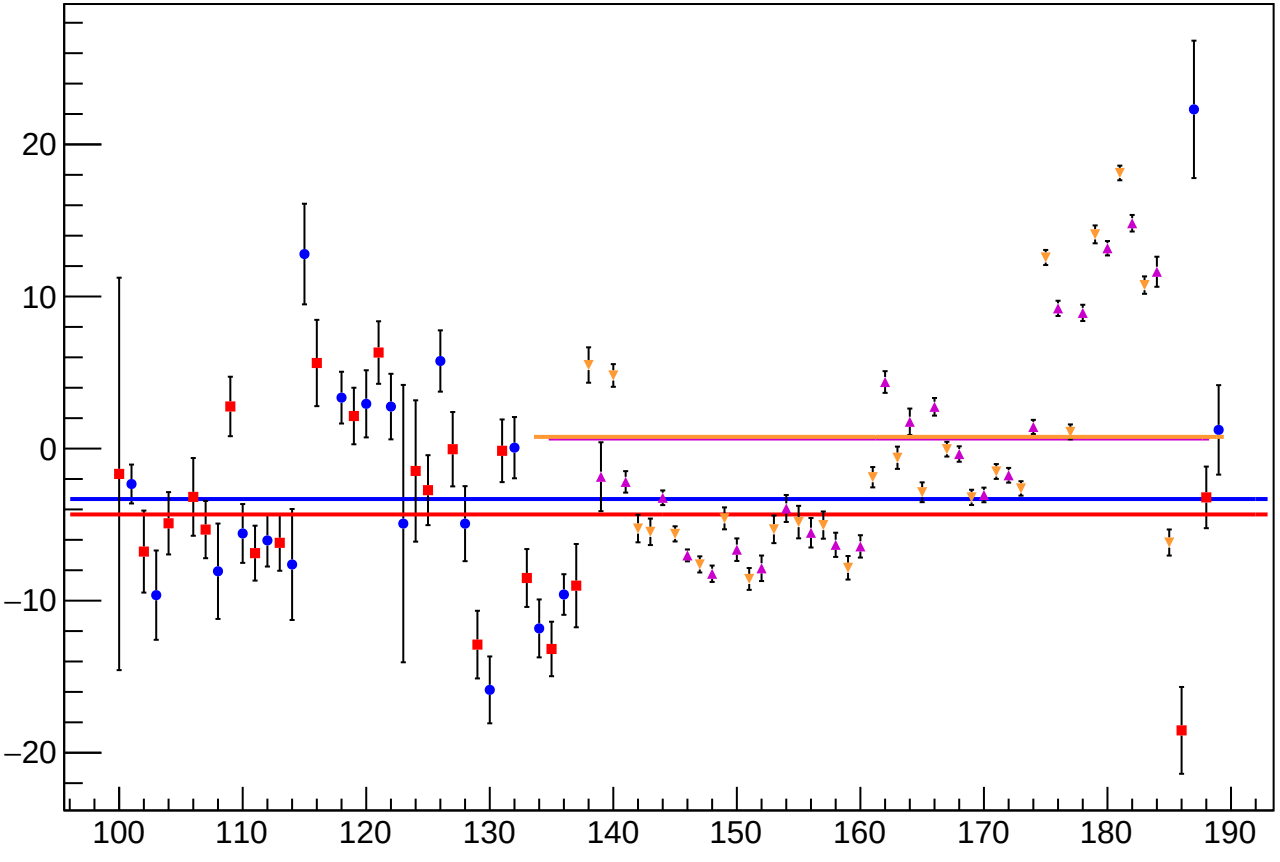
Left In: -39.060+/-0.154 $\chi^2$/NDF:8577.0/22

+ sign -39.853+/-0.153 $\chi^2$/NDF: 9860.4/26

All: -39.187+/-0.108 $\chi^2$/NDF: 19364.1/51

- sign -38.523+/-0.153 $\chi^2$/NDF: 9465.8/24

# reg_asym_sam3_diff_bpm4aY_slope vs Slug




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

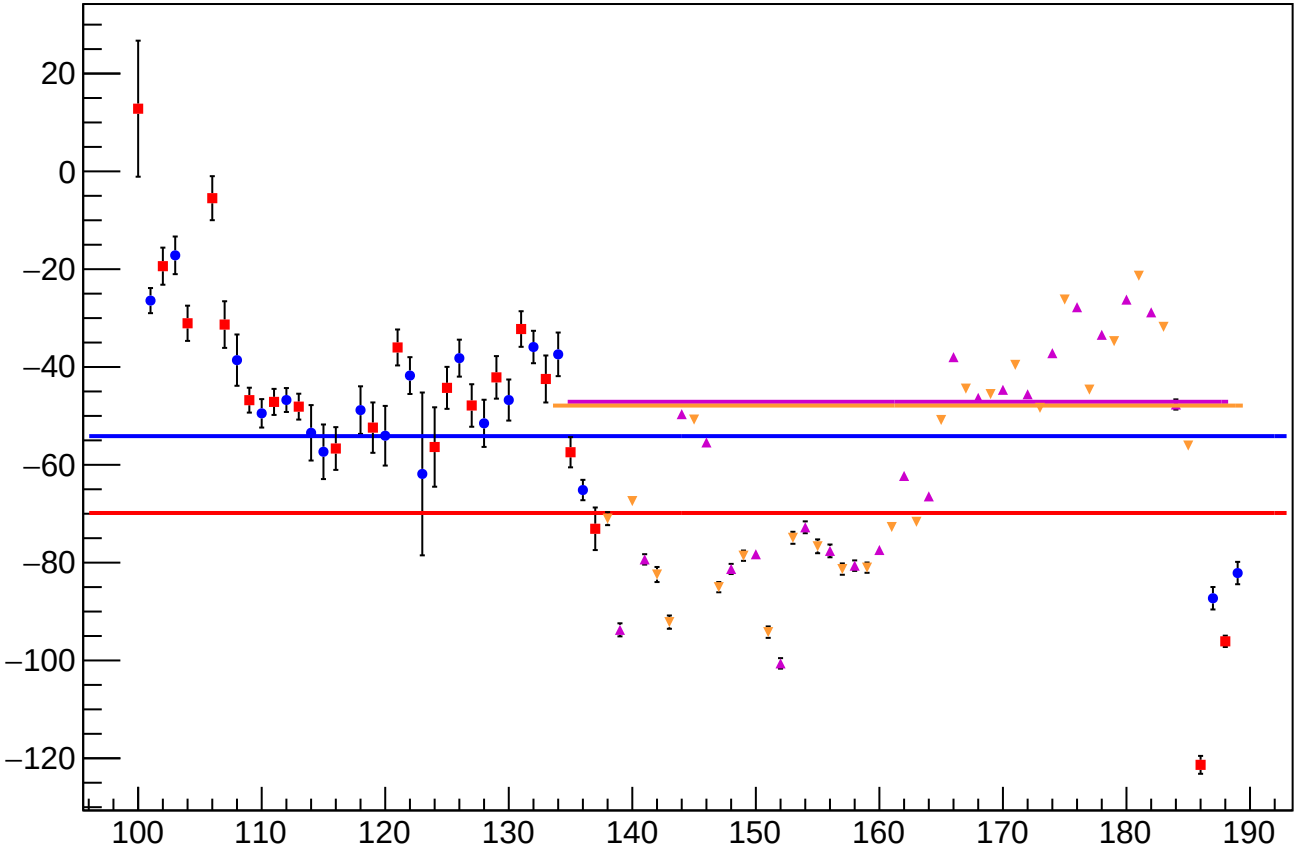
Left In: 0.662+/-0.124 $\chi^2$/NDF:3340.9/22

+ sign 0.518+/-0.120 $\chi^2$/NDF: 4220.2/43

All: 0.437+/-0.085 $\chi^2$/NDF: 7810.5/87

- sign 0.355+/-0.120 $\chi^2$/NDF: 3589.5/43

# reg_asym_sam3_diff_bpm4eX_slope vs Slug




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

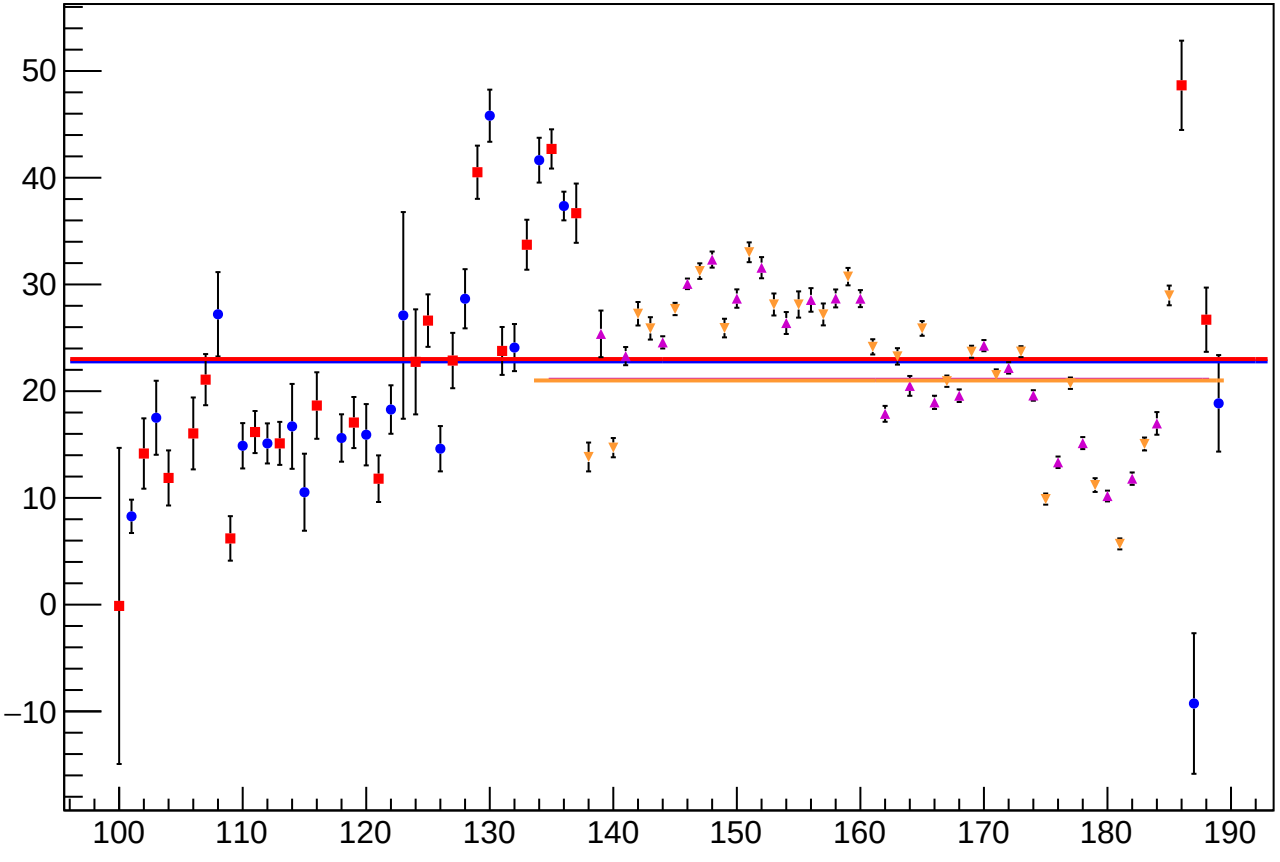
Left In: -47.112+/-0.155 $\chi^2$/NDF:15654.8/22

+ sign -48.129+/-0.152 $\chi^2$/NDF: 17463.1/43

All: -48.225+/-0.107 $\chi^2$/NDF: 36756.2/87

- sign -48.319+/-0.151 $\chi^2$/NDF: 19292.3/43

# reg_asym_sam3_diff_bpm4eY_slope vs Slug




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

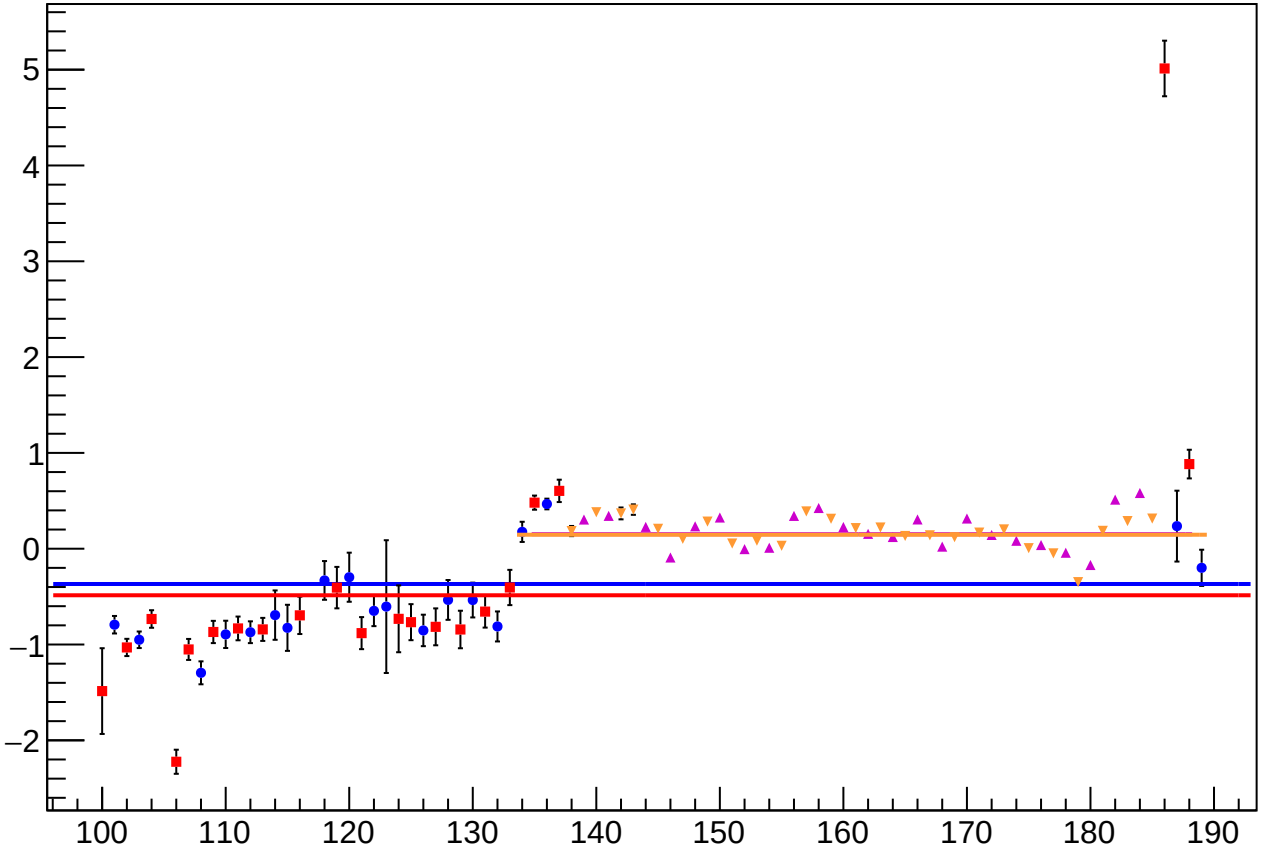
Left In: 21.069+/-0.139 $\chi^2$/NDF:2176.7/22

+ sign 21.112+/-0.135 $\chi^2$/NDF: 3285.3/43

All: 21.147+/-0.095 $\chi^2$/NDF: 5884.1/87

- sign 21.183+/-0.135 $\chi^2$/NDF: 2598.7/43

# reg_asym_sam3_diff_bpm12X_slope vs Slug




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

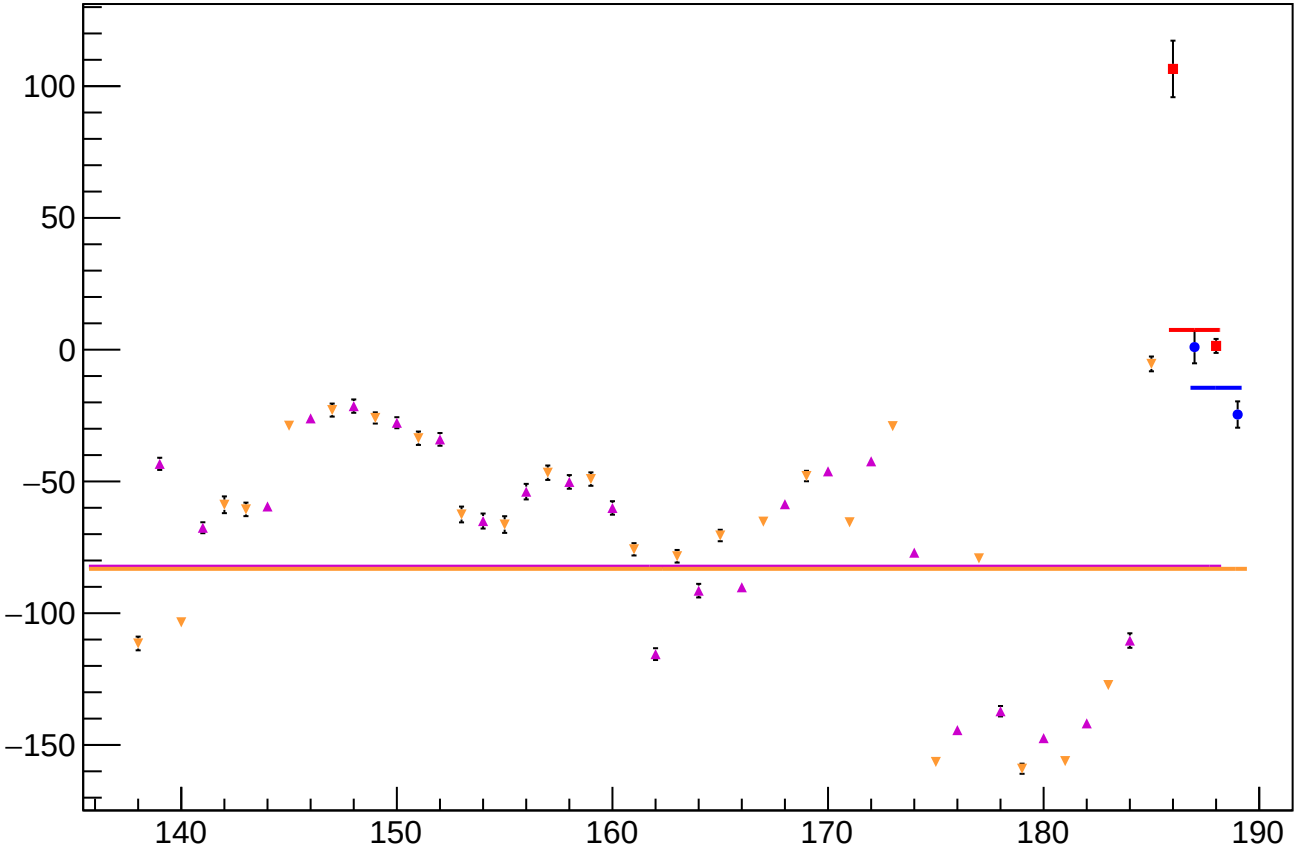
Left In: 0.151+/-0.006 $\chi^2$/NDF:873.9/22

+ sign 0.123+/-0.006 $\chi^2$/NDF: 1339.1/43

All: 0.123+/-0.004 $\chi^2$/NDF: 3674.3/87

- sign 0.123+/-0.006 $\chi^2$/NDF: 2335.2/43

# reg_asym_sam4_diff_bpm1X_slope vs Slug




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

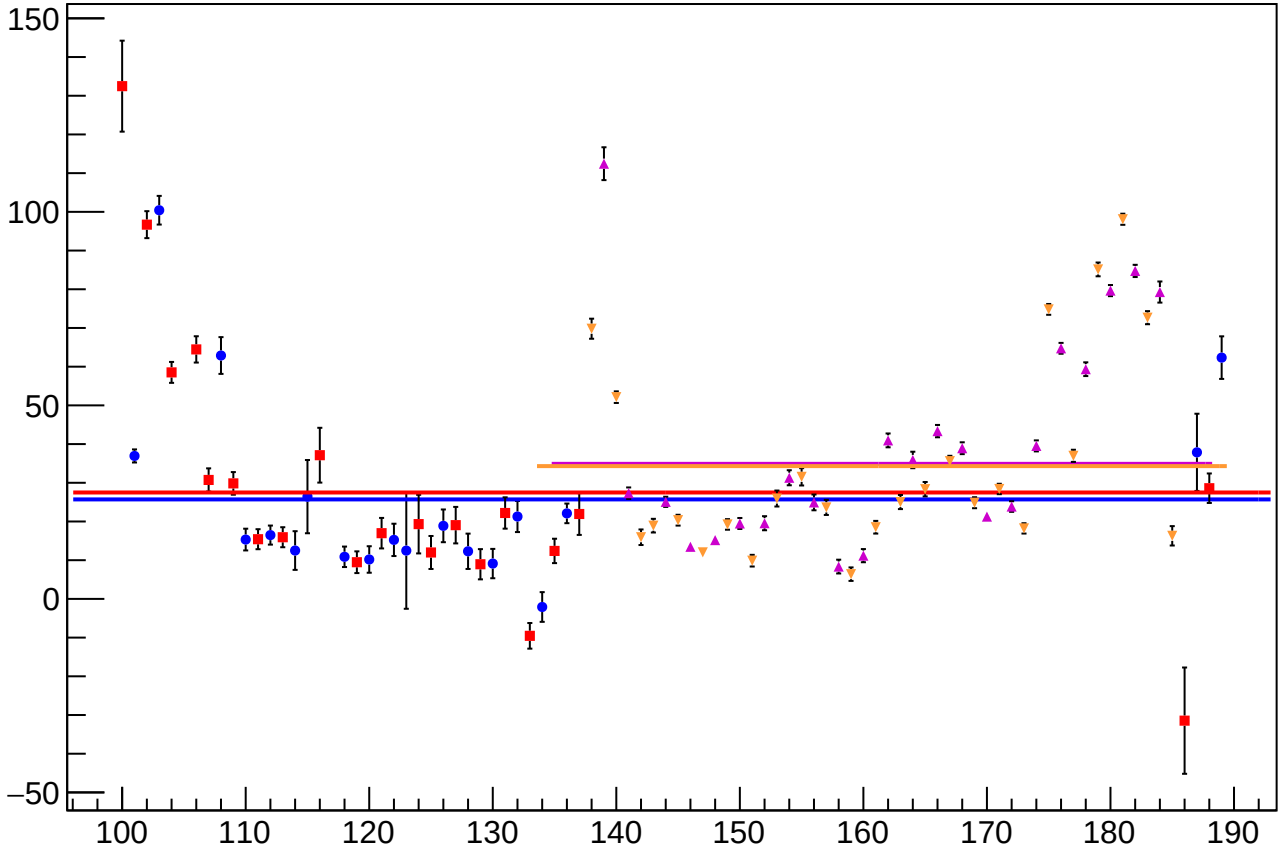
Left In: -82.342+/-0.413 $\chi^2$/NDF:10954.9/22

+ sign -82.415+/-0.405 $\chi^2$/NDF: 14114.7/26

All: -81.261+/-0.287 $\chi^2$/NDF: 26362.7/51

- sign -80.090+/-0.408 $\chi^2$/NDF: 12231.7/24

# reg_asym_sam4_diff_bpm4aY_slope vs Slug




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

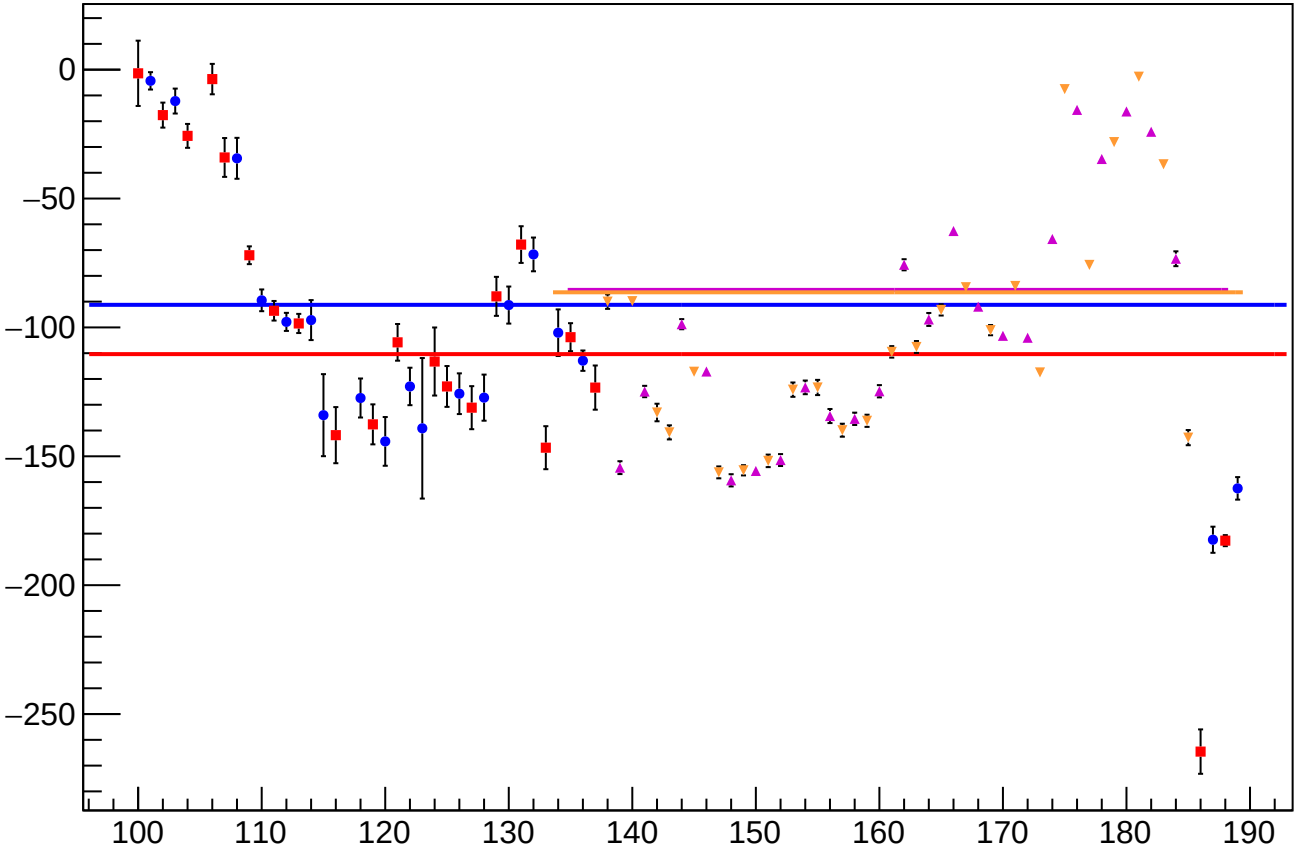
Left In: 34.893+/-0.328 $\chi^2$/NDF:4754.6/22

+ sign 33.087+/-0.297 $\chi^2$/NDF: 7003.3/43

All: 33.440+/-0.212 $\chi^2$/NDF: 12863.1/87

- sign 33.807+/-0.303 $\chi^2$/NDF: 5856.9/43

# reg_asym_sam4_diff_bpm4eX_slope vs Slug




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

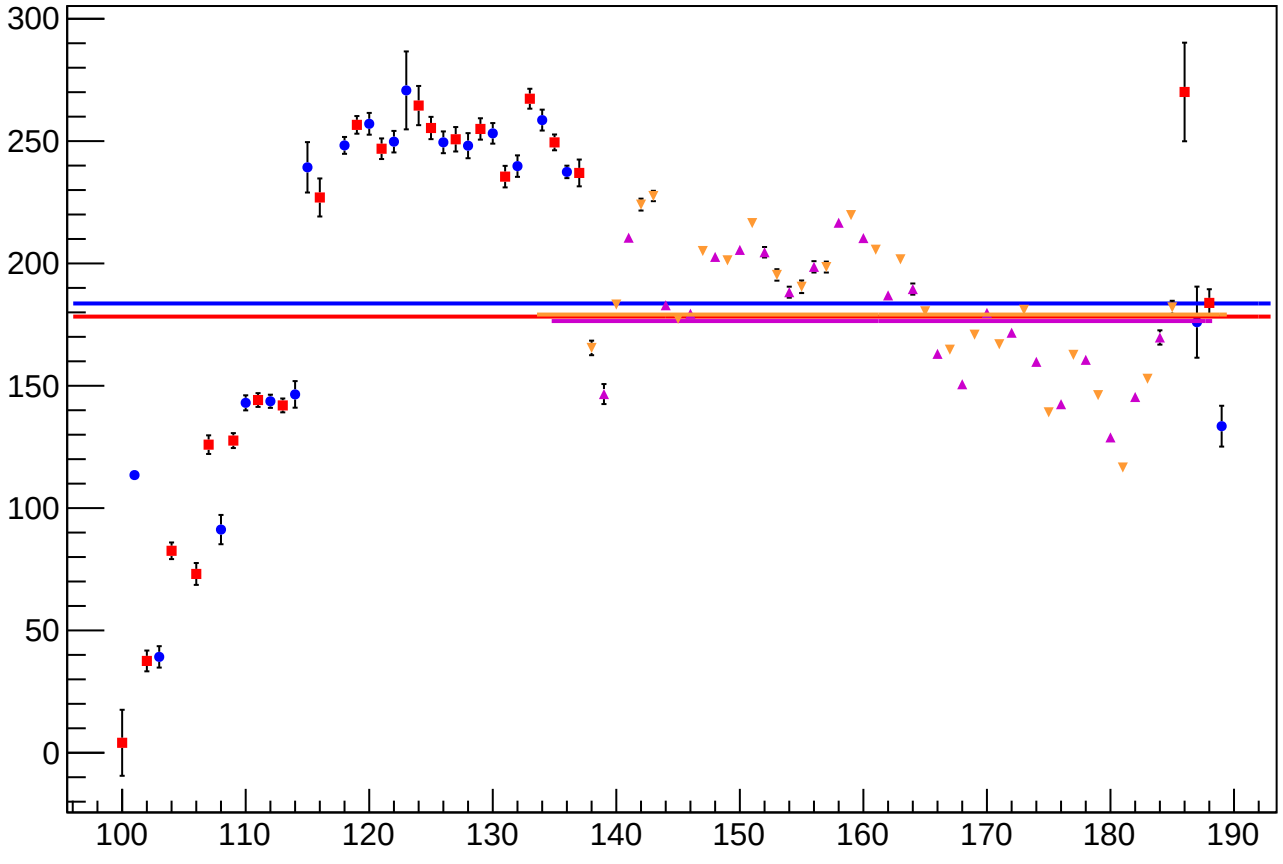
Left In: -85.441+/-0.413 $\chi^2$/NDF:12998.9/22

+ sign -86.816+/-0.390 $\chi^2$/NDF: 16184.2/43

All: -87.592+/-0.275 $\chi^2$/NDF: 32529.5/87

- sign -88.361+/-0.388 $\chi^2$/NDF: 16337.5/43

# reg_asym_sam4_diff_bpm4eY_slope vs Slug




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

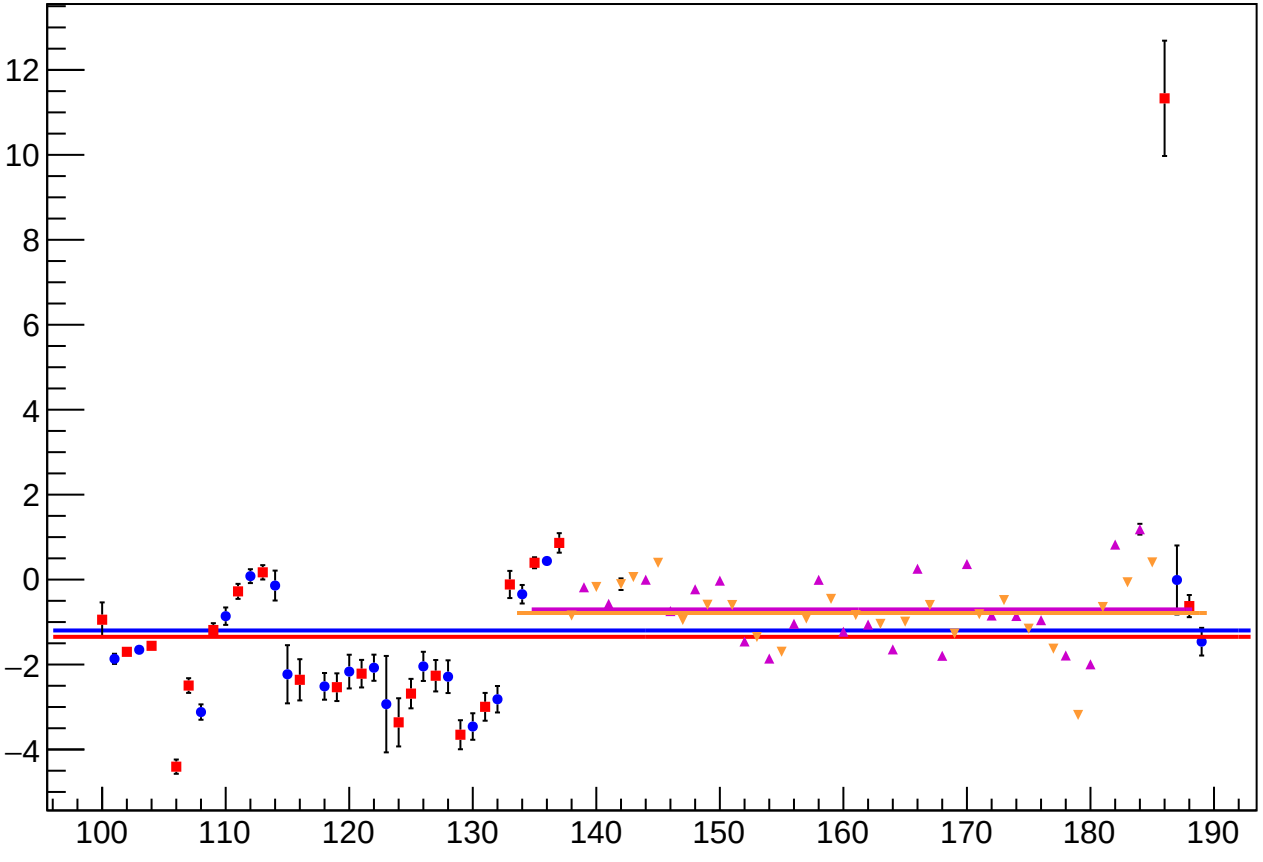
Left In: 176.449+/-0.370 $\chi^2$/NDF:4442.1/22

+ sign 179.734+/-0.337 $\chi^2$/NDF: 11336.9/43

All: 178.247+/-0.240 $\chi^2$/NDF: 22175.0/87

- sign 176.707+/-0.342 $\chi^2$/NDF: 10798.4/43

# reg_asym_sam4_diff_bpm12X_slope vs Slug




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

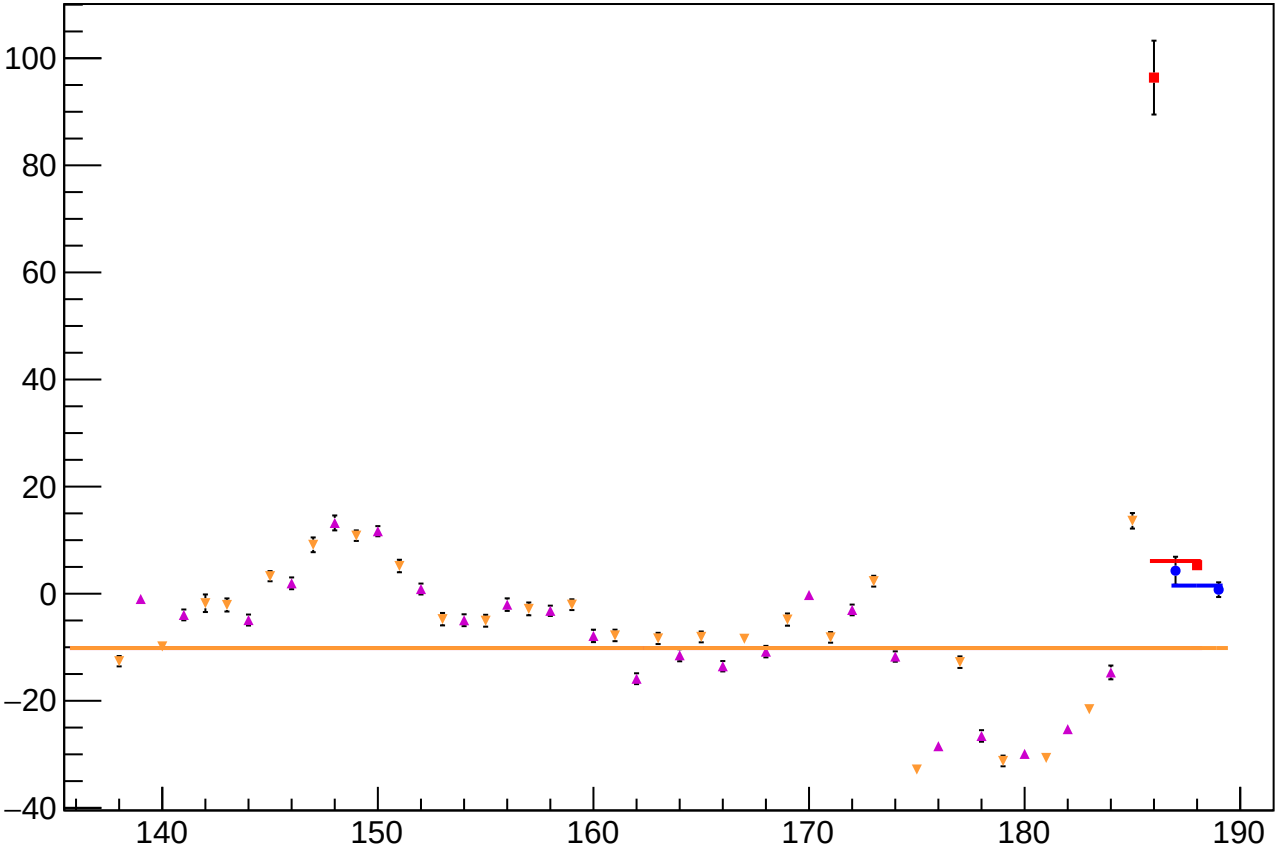
Left In: -0.702+/-0.017 $\chi^2$/NDF:2421.3/22

+ sign -0.832+/-0.016 $\chi^2$/NDF: 2453.4/43

All: -0.806+/-0.011 $\chi^2$/NDF: 6080.1/87

- sign -0.781+/-0.016 $\chi^2$/NDF: 3621.6/43

# reg_asym_sam5_diff_bpm1X_slope vs Slug




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

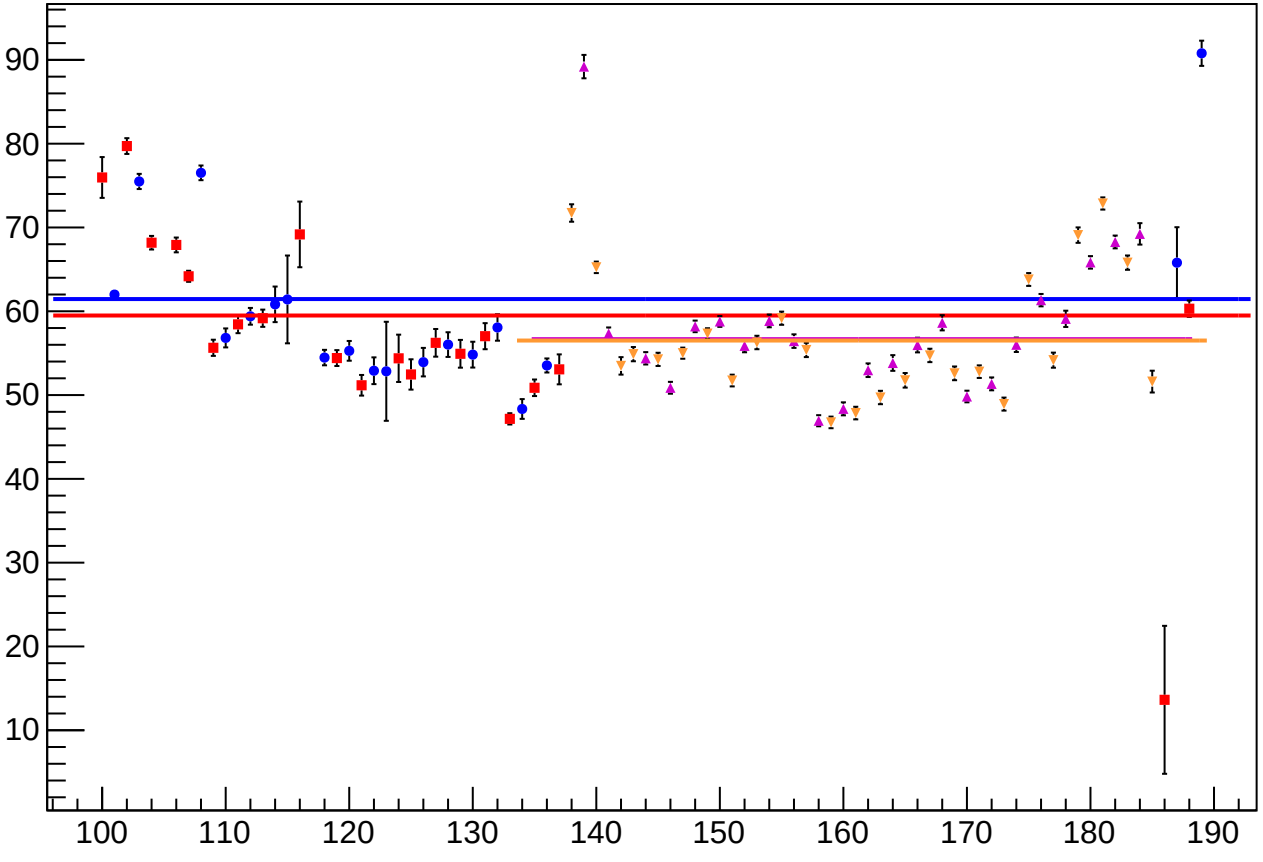
Left In: -10.149+/-0.204 $\chi^2$/NDF:3491.7/22

+ sign -9.835+/-0.199 $\chi^2$/NDF: 4219.5/26

All: -9.222+/-0.139 $\chi^2$/NDF: 8492.9/51

- sign -8.639+/-0.194 $\chi^2$/NDF: 4254.9/24

# reg_asym_sam5_diff_bpm4aY_slope vs Slug




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

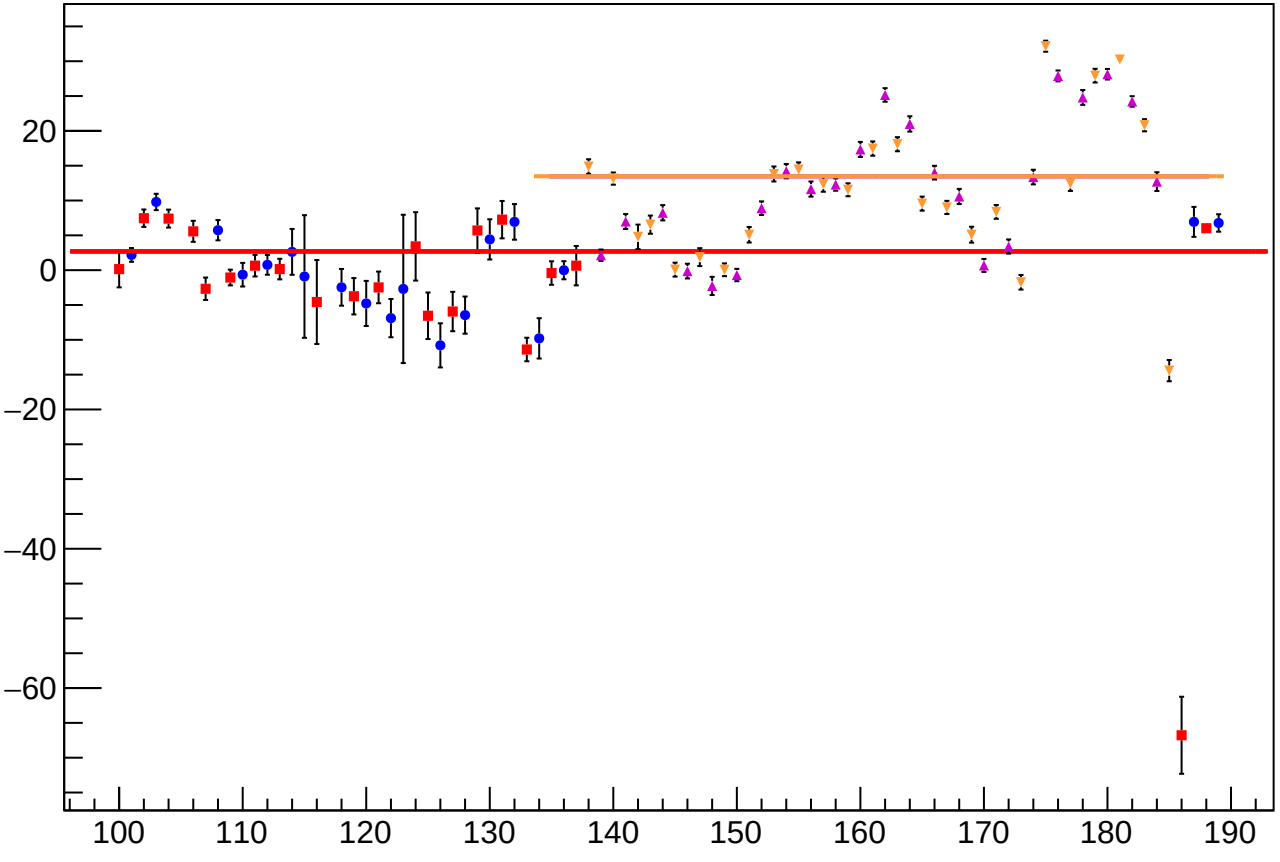
Left In: 56.674+/-0.165 $\chi^2$/NDF:1679.8/22

+ sign 57.880+/-0.135 $\chi^2$/NDF: 3554.0/43

All: 57.728+/-0.096 $\chi^2$/NDF: 6674.7/87

- sign 57.576+/-0.136 $\chi^2$/NDF: 3118.2/43

# reg_asym_sam5_diff_bpm4eX_slope vs Slug




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

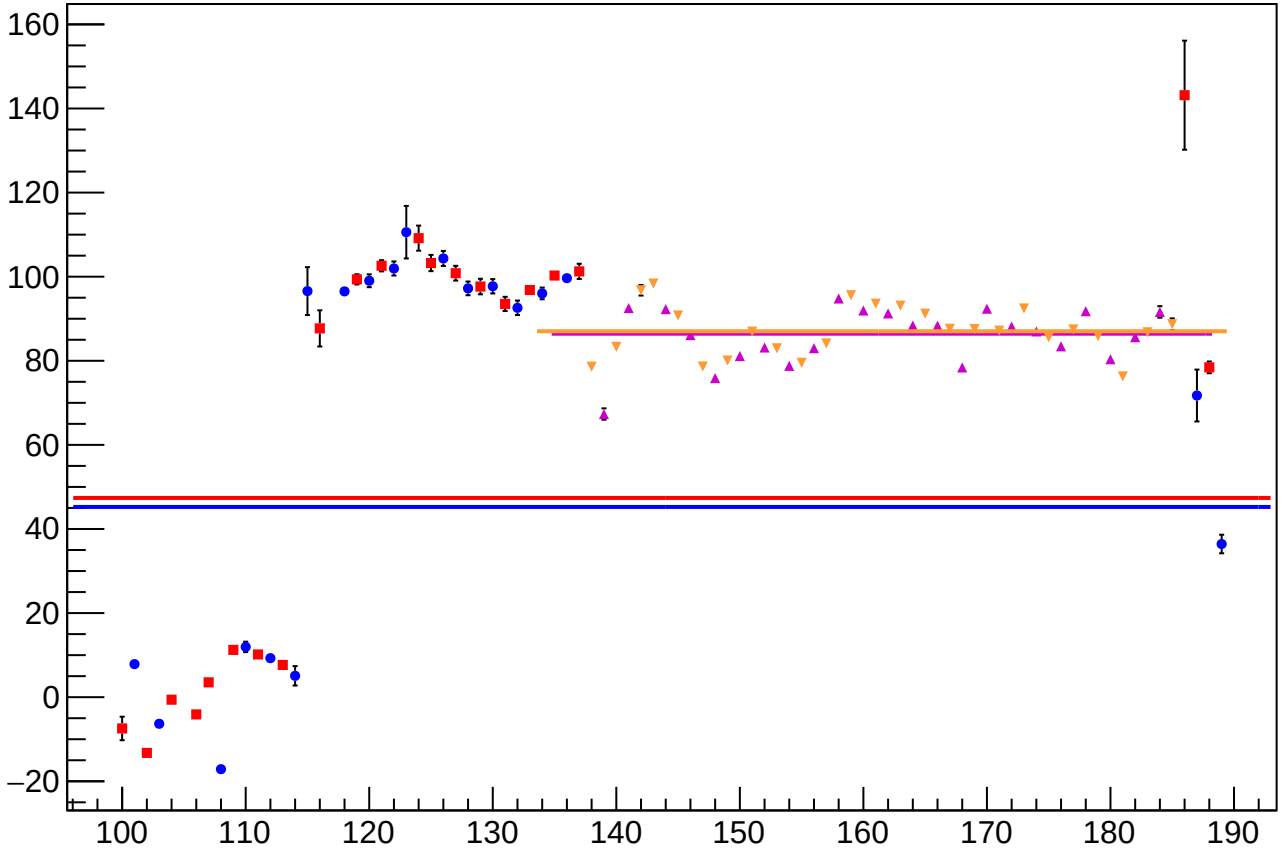
Left In: 13.456+/-0.203 $\chi^2$/NDF:2371.9/22

+ sign 11.466+/-0.182 $\chi^2$/NDF: 3406.6/43

All: 10.951+/-0.125 $\chi^2$/NDF: 6930.0/87

- sign 10.488+/-0.173 $\chi^2$/NDF: 3508.3/43

# reg_asym_sam5_diff_bpm4eY_slope vs Slug




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

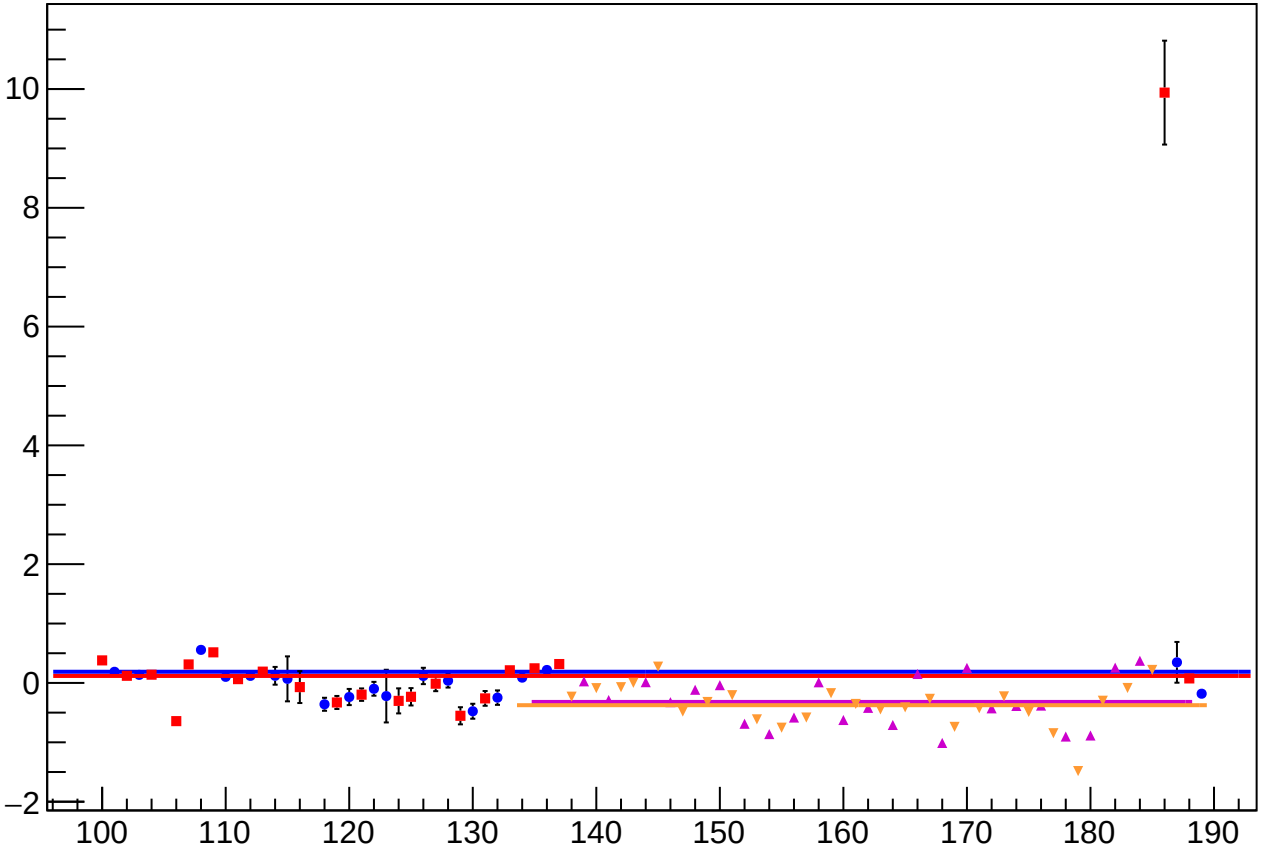
Left In: 86.443+/-0.184 $\chi^2$/NDF:1038.6/22

+ sign 76.014+/-0.154 $\chi^2$/NDF: 40442.2/43

All: 75.438+/-0.109 $\chi^2$/NDF: 83661.6/87

- sign 74.861+/-0.154 $\chi^2$/NDF: 43191.5/43

# reg_asym_sam5_diff_bpm12X_slope vs Slug




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

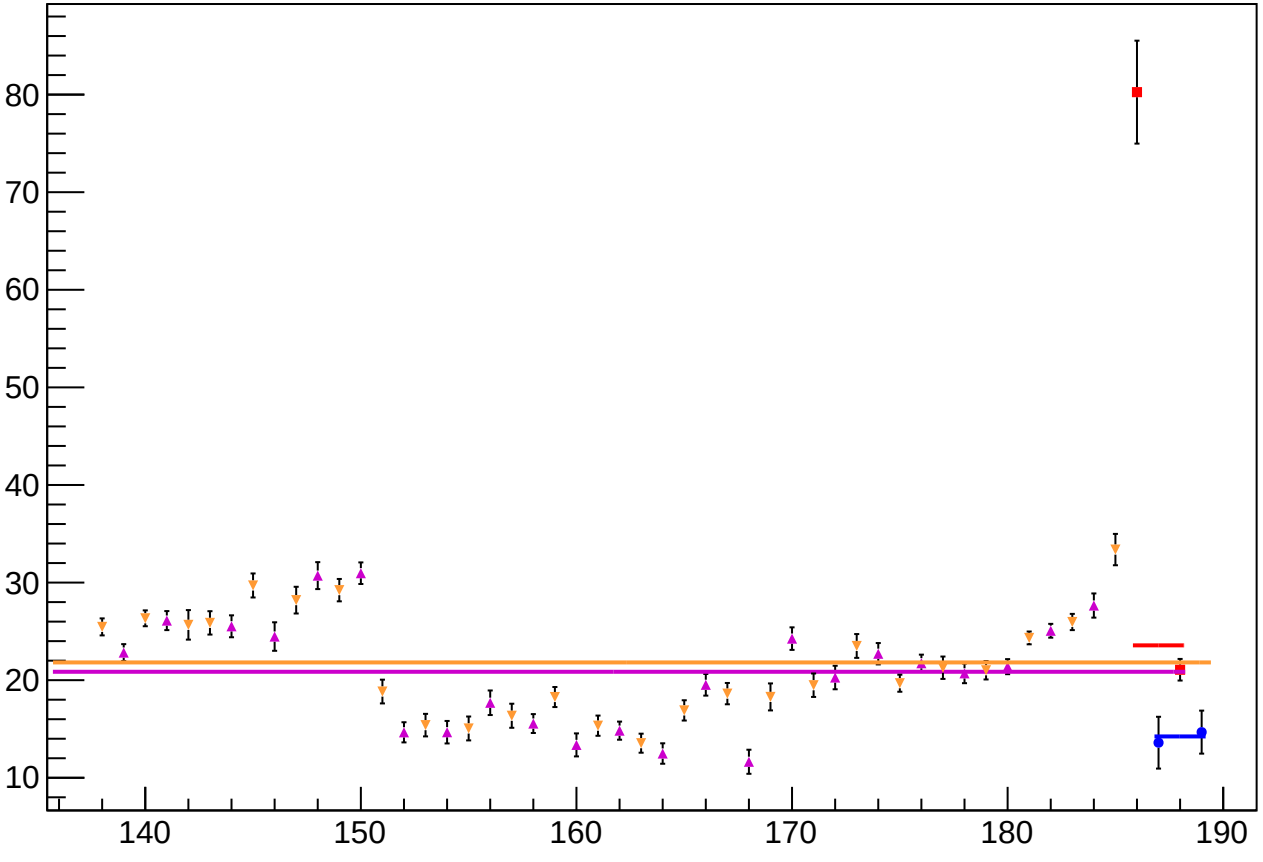
Left In: -0.320+/-0.008 $\chi^2$/NDF:2325.0/22

+ sign -0.229+/-0.007 $\chi^2$/NDF: 3138.8/43

All: -0.211+/-0.005 $\chi^2$/NDF: 6943.0/87

- sign -0.193+/-0.007 $\chi^2$/NDF: 3790.4/43

# reg_asym_sam6_diff_bpm1X_slope vs Slug




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

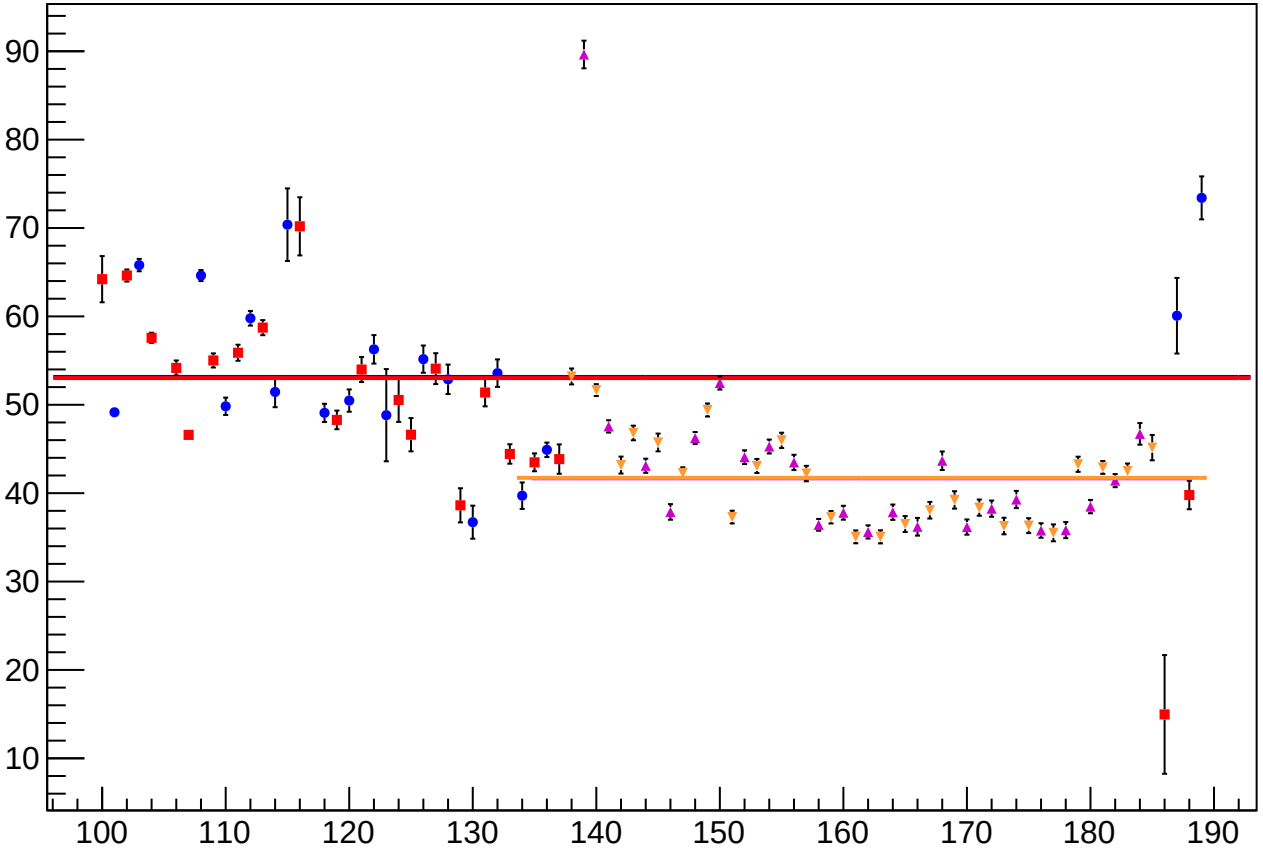
Left In: 20.860+/-0.216 $\chi^2$/NDF:575.5/22

+ sign 21.703+/-0.209 $\chi^2$/NDF: 542.5/26

All: 21.338+/-0.149 $\chi^2$/NDF: 1250.9/51

- sign 20.963+/-0.211 $\chi^2$/NDF: 702.2/24

# reg_asym_sam6_diff_bpm4aY_slope vs Slug




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

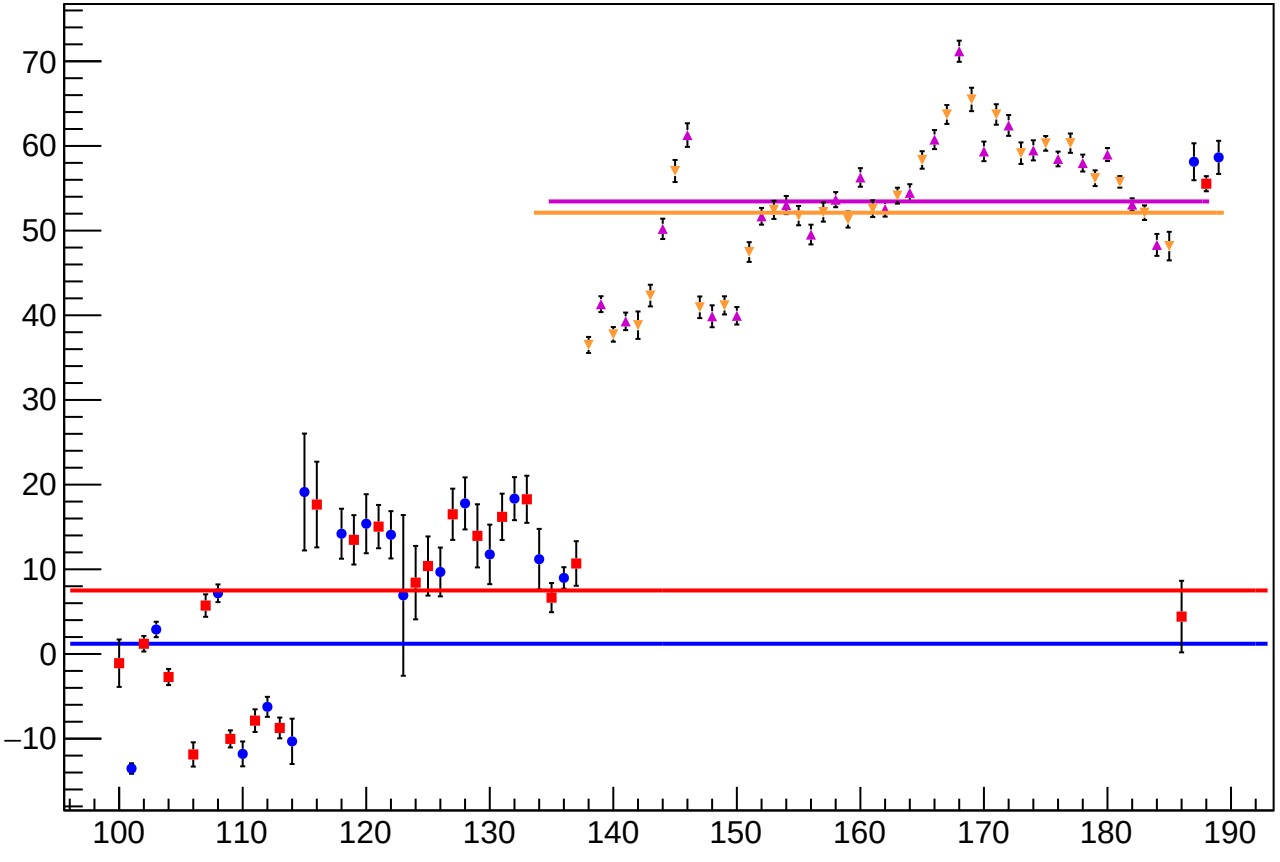
Left In: 41.682+/-0.173 $\chi^2$/NDF:1715.9/22

+ sign 46.141+/-0.130 $\chi^2$/NDF: 4113.9/43

All: 46.038+/-0.094 $\chi^2$/NDF: 8404.6/87

- sign 45.923+/-0.137 $\chi^2$/NDF: 4289.4/43

# reg_asym_sam6_diff_bpm4eX_slope vs Slug




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

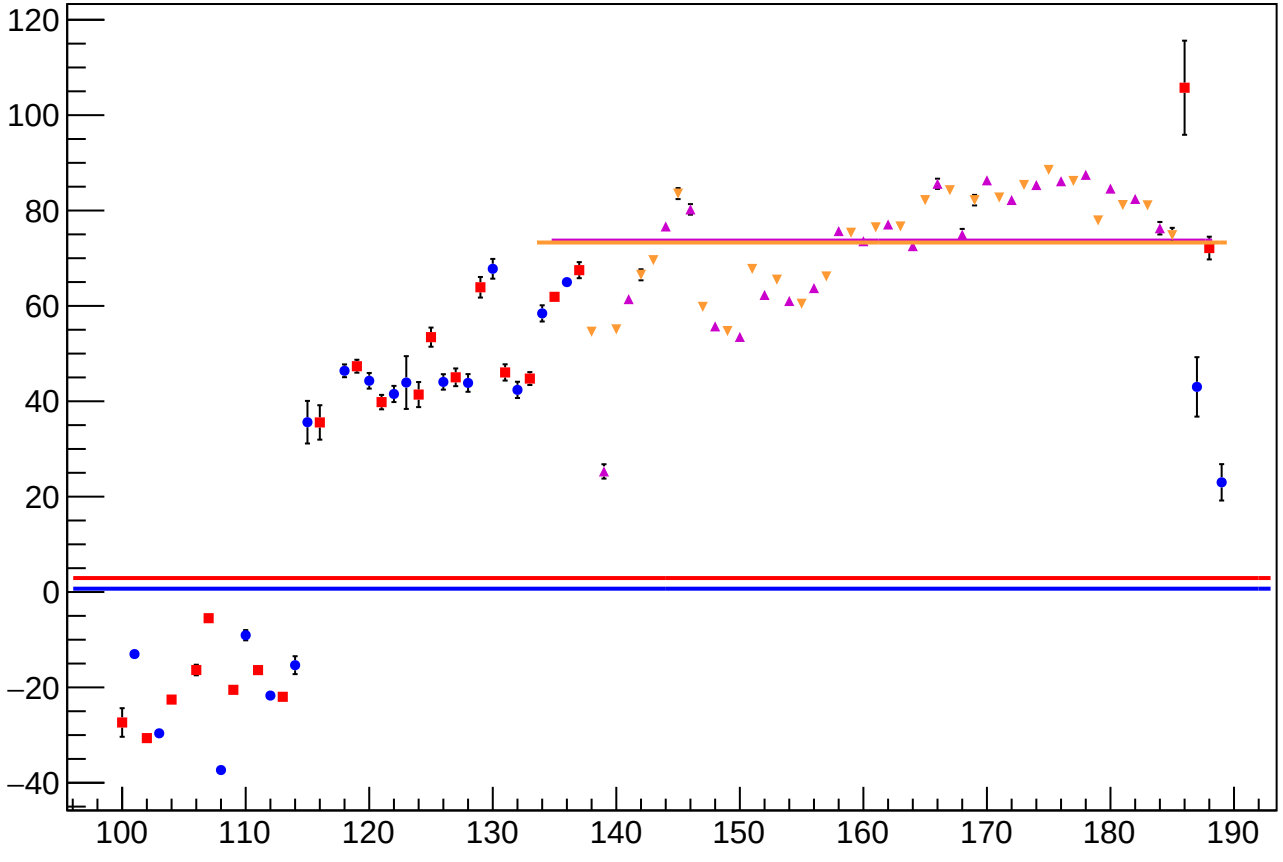
Left In: 53.447+/-0.214 $\chi^2$/NDF:1167.6/22

+ sign 38.766+/-0.181 $\chi^2$/NDF: 19271.5/43

All: 39.726+/-0.128 $\chi^2$/NDF: 37148.8/87

- sign 40.702+/-0.182 $\chi^2$/NDF: 17820.4/43

# reg_asym_sam6_diff_bpm4eY_slope vs Slug




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

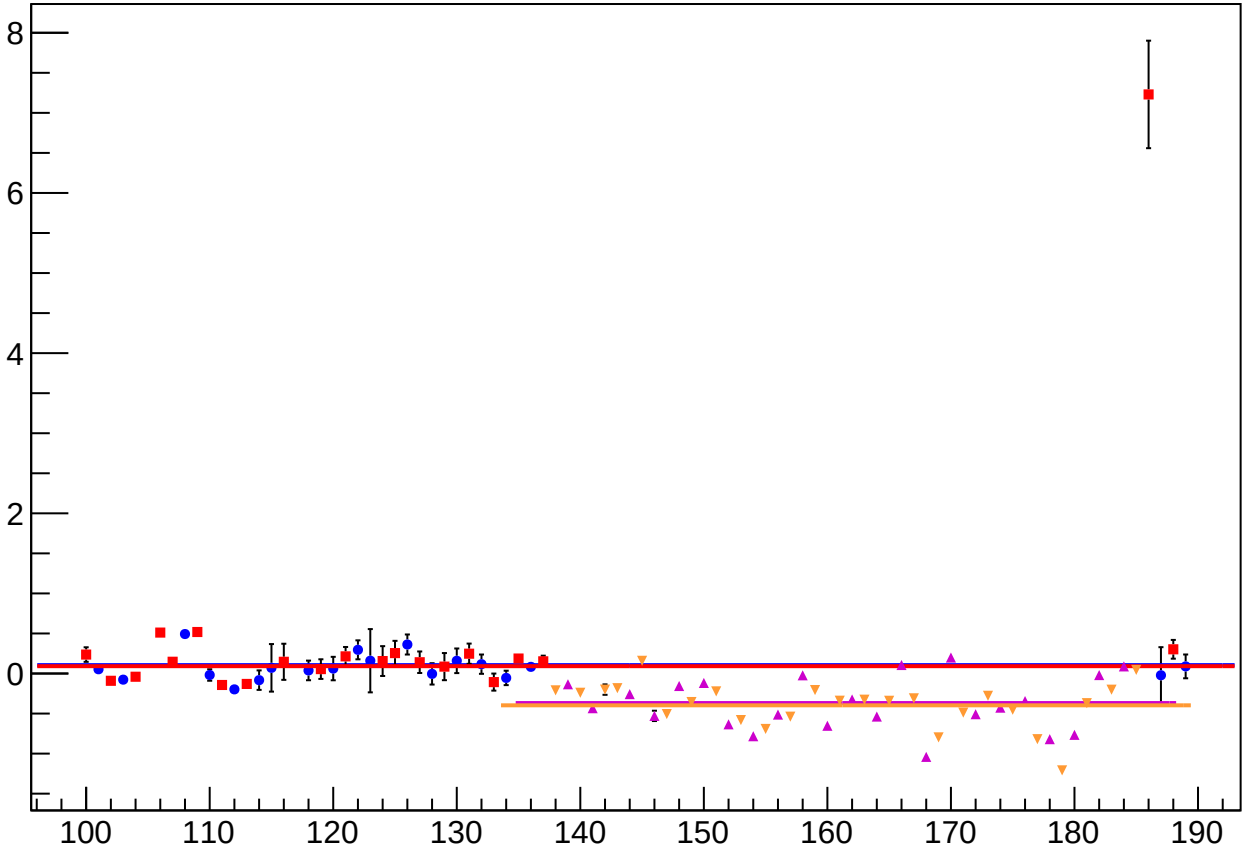
Left In: 73.699+/-0.194 $\chi^2$/NDF:3901.1/22

+ sign 46.646+/-0.149 $\chi^2$/NDF: 76768.0/43

All: 47.767+/-0.108 $\chi^2$/NDF: 143736.6/87

- sign 49.002+/-0.156 $\chi^2$/NDF: 66849.8/43

# reg_asym_sam6_diff_bpm12X_slope vs Slug




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

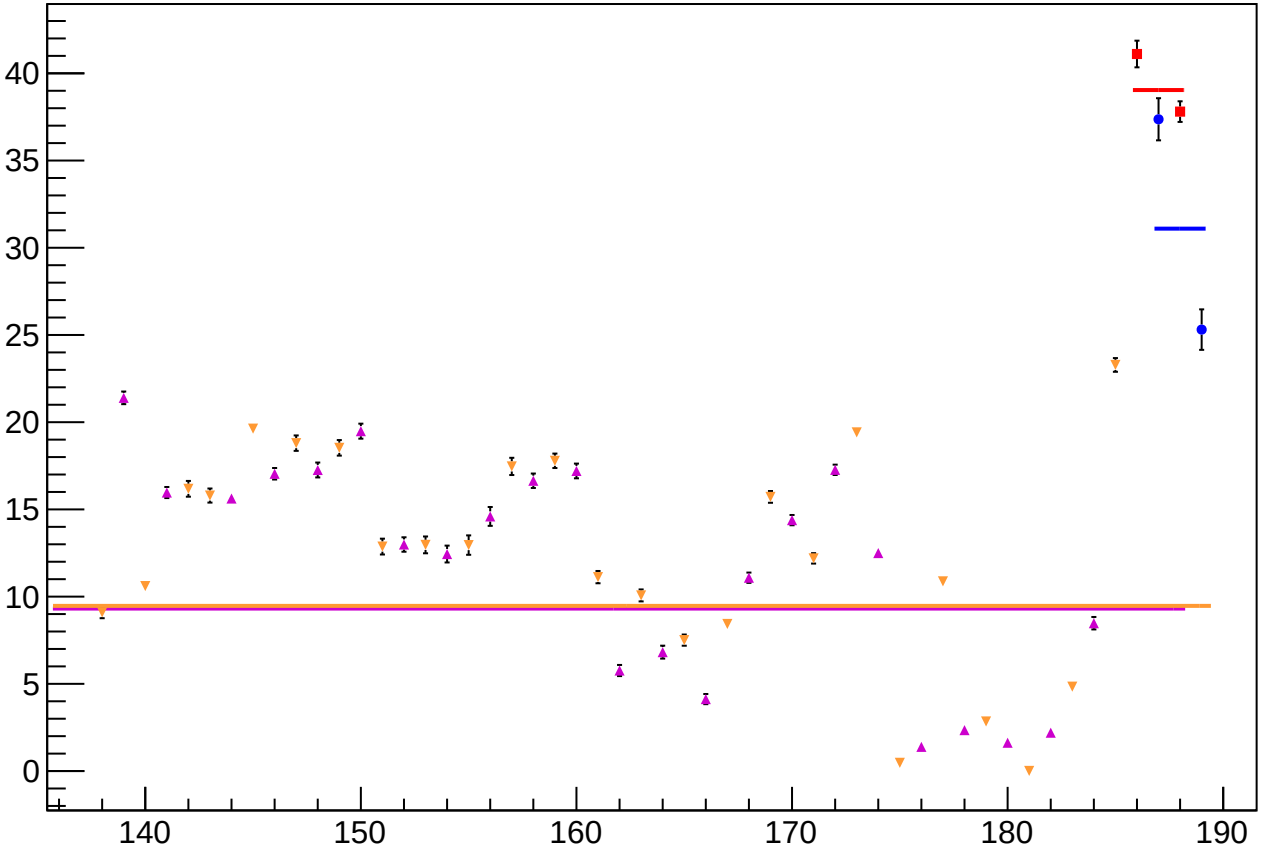
Left In: -0.369+/-0.009 $\chi^2$/NDF:1322.7/22

+ sign -0.208+/-0.007 $\chi^2$/NDF: 2640.2/43

All: -0.200+/-0.005 $\chi^2$/NDF: 5560.8/87

- sign -0.192+/-0.007 $\chi^2$/NDF: 2917.8/43

# reg_asym_sam7_diff_bpm1X_slope vs Slug




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

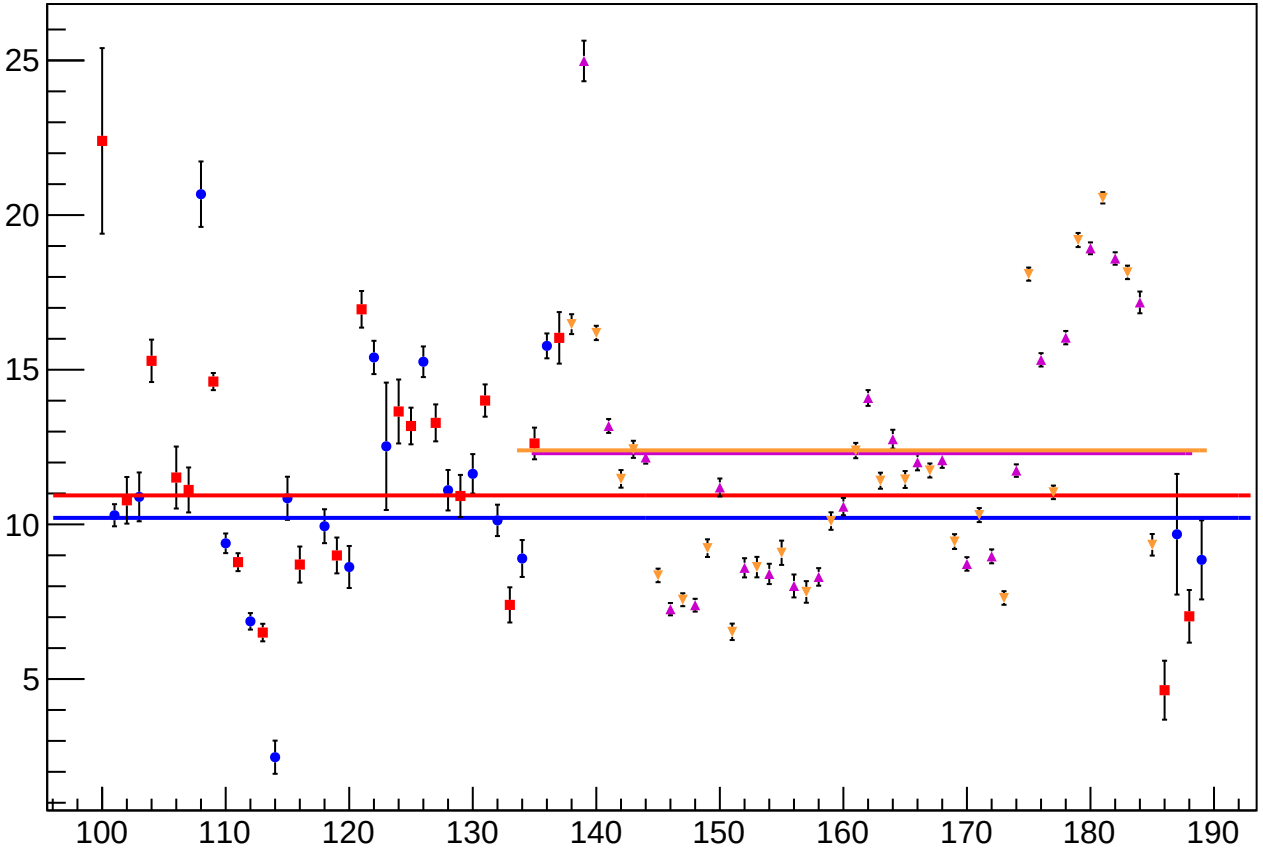
Left In: 9.315+/-0.063 $\chi^2$/NDF:11007.3/22

+ sign 9.585+/-0.061 $\chi^2$/NDF: 13293.9/26

All: 9.711+/-0.044 $\chi^2$/NDF: 28292.3/51

- sign 9.841+/-0.062 $\chi^2$/NDF: 14989.8/24

# reg_asym_sam7_diff_bpm4aY_slope vs Slug




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

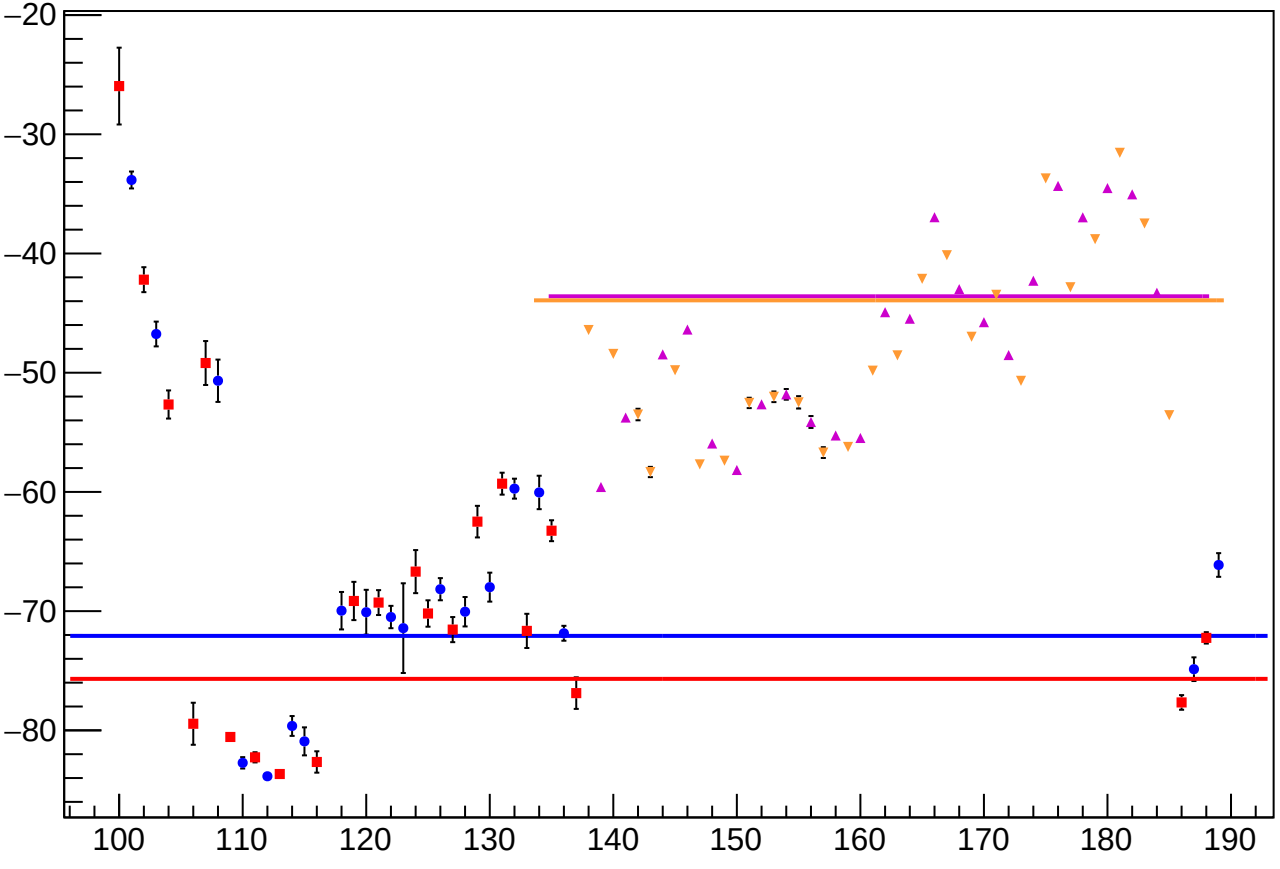
Left In: 12.302+/-0.051 $\chi^2$/NDF:5661.3/22

+ sign 12.064+/-0.046 $\chi^2$/NDF: 8694.4/43

All: 12.070+/-0.033 $\chi^2$/NDF: 15358.2/87

- sign 12.076+/-0.047 $\chi^2$/NDF: 6663.8/43

# reg_asym_sam7_diff_bpm4eX_slope vs Slug




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

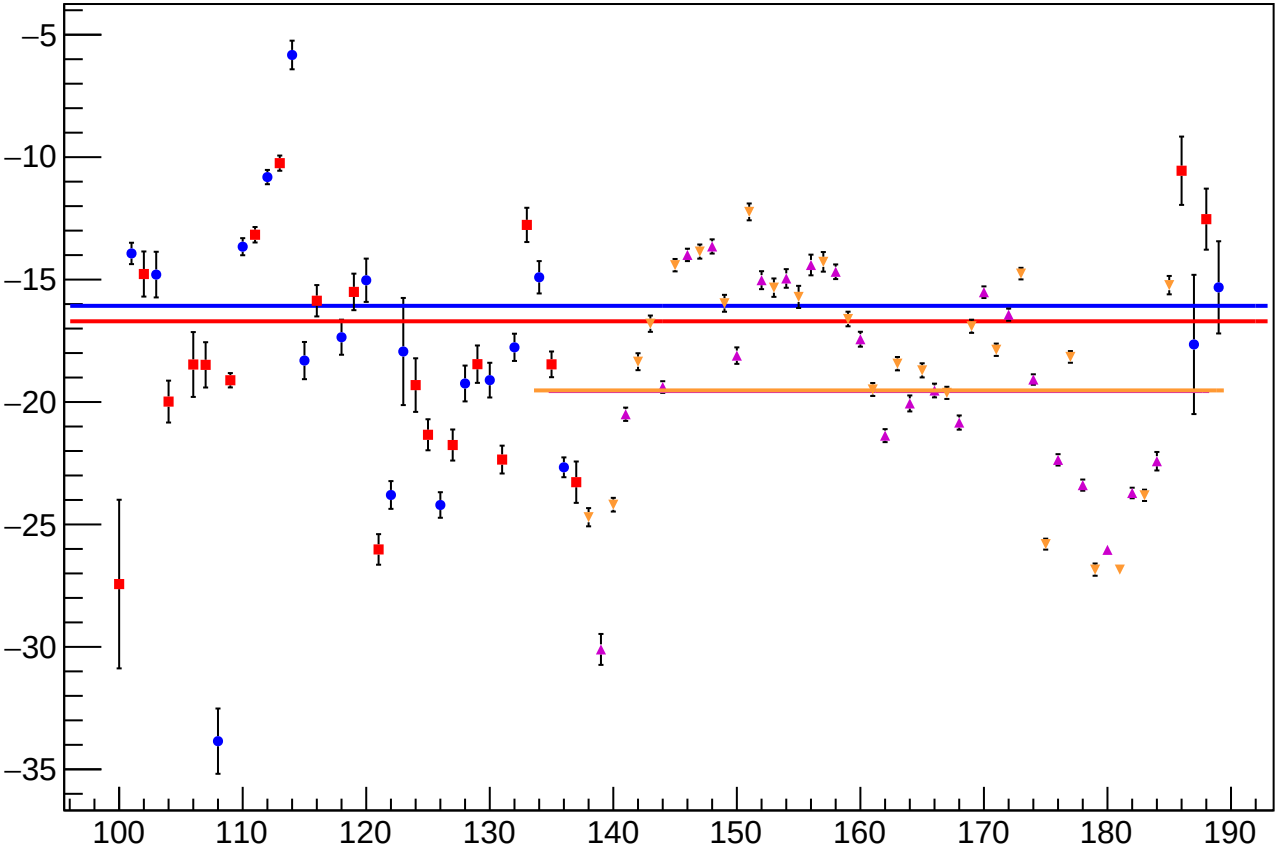
Left In: -43.591+/-0.063 $\chi^2$/NDF:15574.9/22

+ sign -46.633+/-0.059 $\chi^2$/NDF: 42963.1/43

All: -47.200+/-0.042 $\chi^2$/NDF: 95913.3/87

- sign -47.764+/-0.059 $\chi^2$/NDF: 52765.8/43

# reg_asym_sam7_diff_bpm4eY_slope vs Slug




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

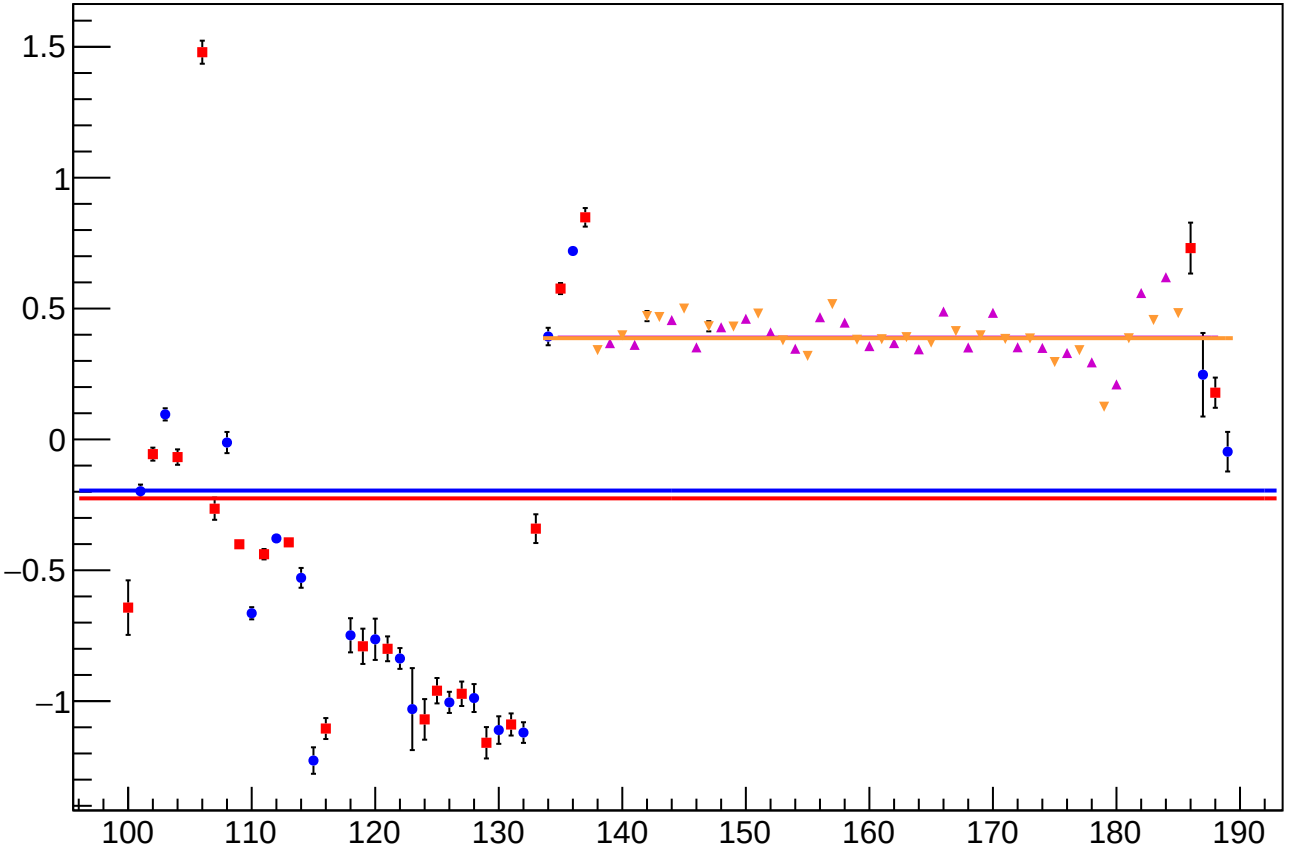
Left In: -19.552+/-0.057 $\chi^2$/NDF:4359.1/22

+ sign -18.999+/-0.051 $\chi^2$/NDF: 8717.7/43

All: -19.035+/-0.037 $\chi^2$/NDF: 14743.5/87

- sign -19.072+/-0.052 $\chi^2$/NDF: 6024.8/43

# reg_asym_sam7_diff_bpm12X_slope vs Slug




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

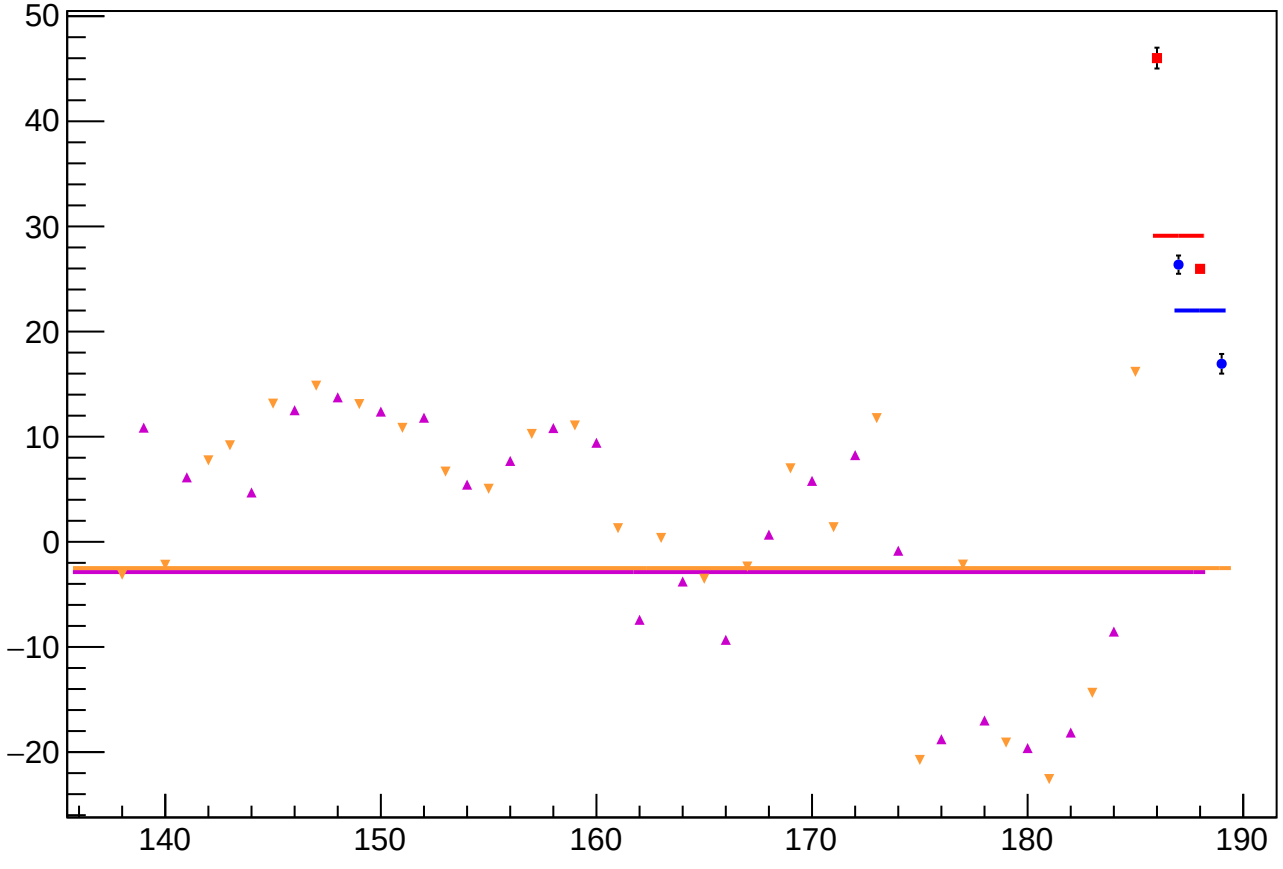
Left In: 0.389+/-0.003 $\chi^2$/NDF:1257.1/22

+ sign 0.326+/-0.002 $\chi^2$/NDF: 12747.4/43

All: 0.321+/-0.002 $\chi^2$/NDF: 26985.1/87

- sign 0.316+/-0.002 $\chi^2$/NDF: 14229.7/43

# reg_asym_sam8_diff_bpm1X_slope vs Slug




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

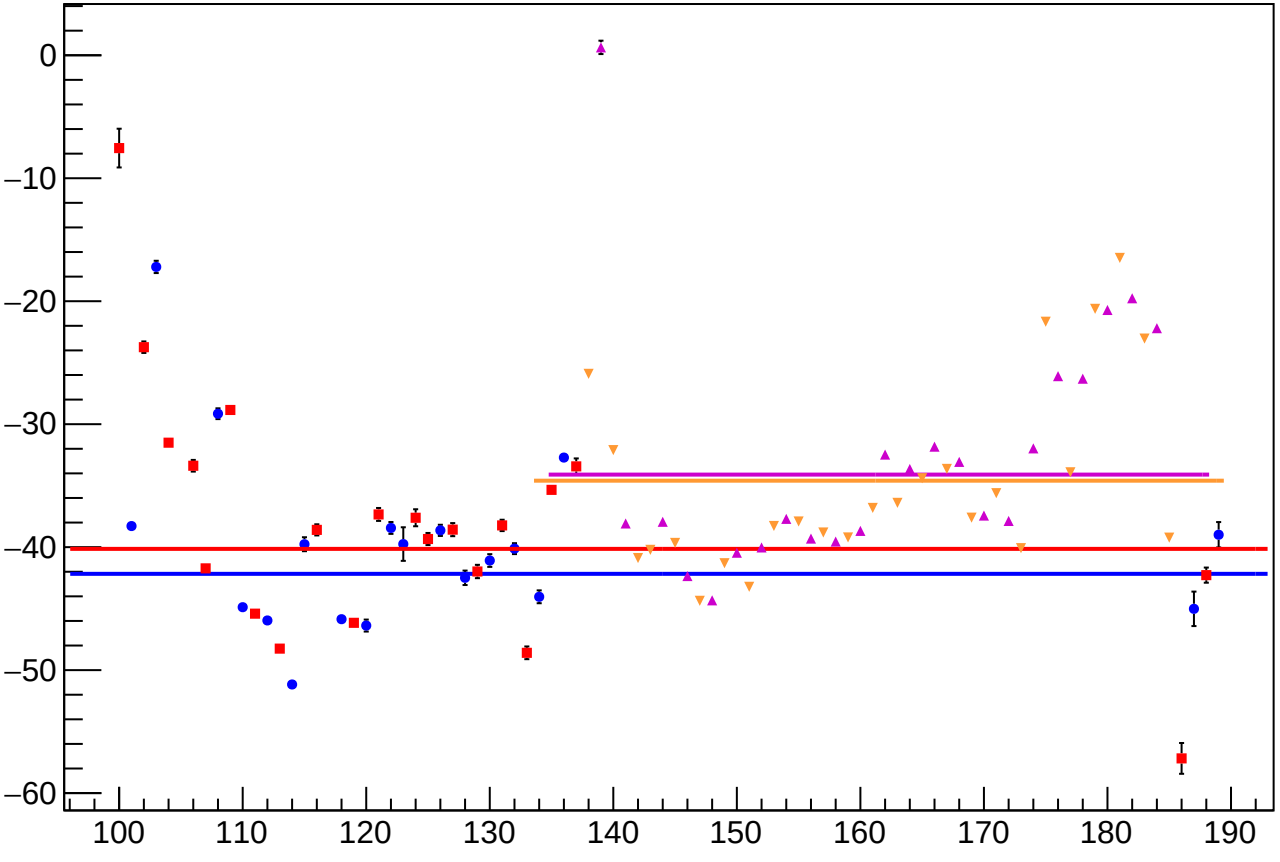
Left In: -2.876+/-0.055 $\chi^2$/NDF:46380.9/22

+ sign -2.330+/-0.053 $\chi^2$/NDF: 57458.1/26

All: -2.300+/-0.038 $\chi^2$/NDF: 110693.9/51

- sign -2.269+/-0.054 $\chi^2$/NDF: 53235.1/24

# reg_asym_sam8_diff_bpm4aY_slope vs Slug




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

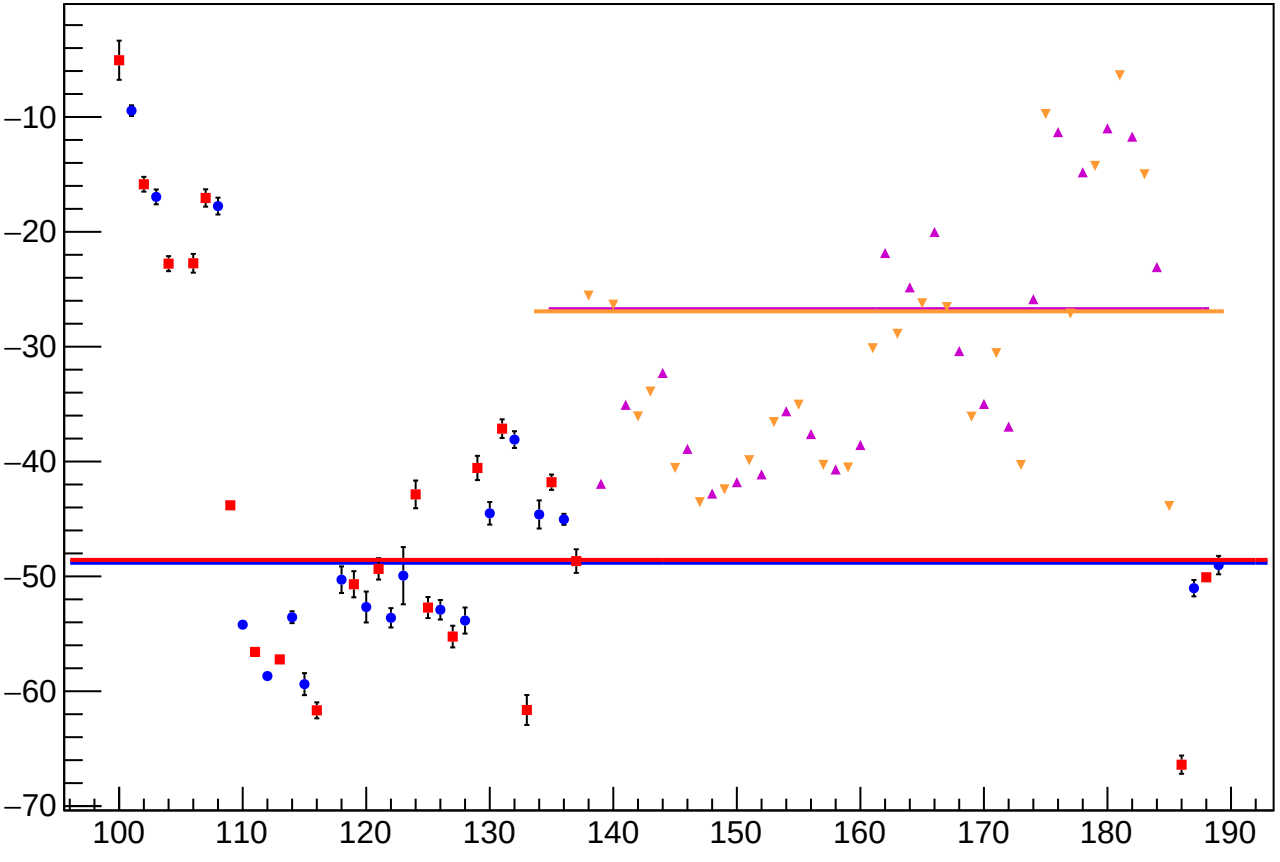
Left In: -34.099+/-0.044 $\chi^2$/NDF:29370.6/22

+ sign -36.313+/-0.037 $\chi^2$/NDF: 48391.6/43

All: -36.025+/-0.026 $\chi^2$/NDF: 94515.2/87

- sign -35.728+/-0.037 $\chi^2$/NDF: 45999.5/43

# reg_asym_sam8_diff_bpm4eX_slope vs Slug




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

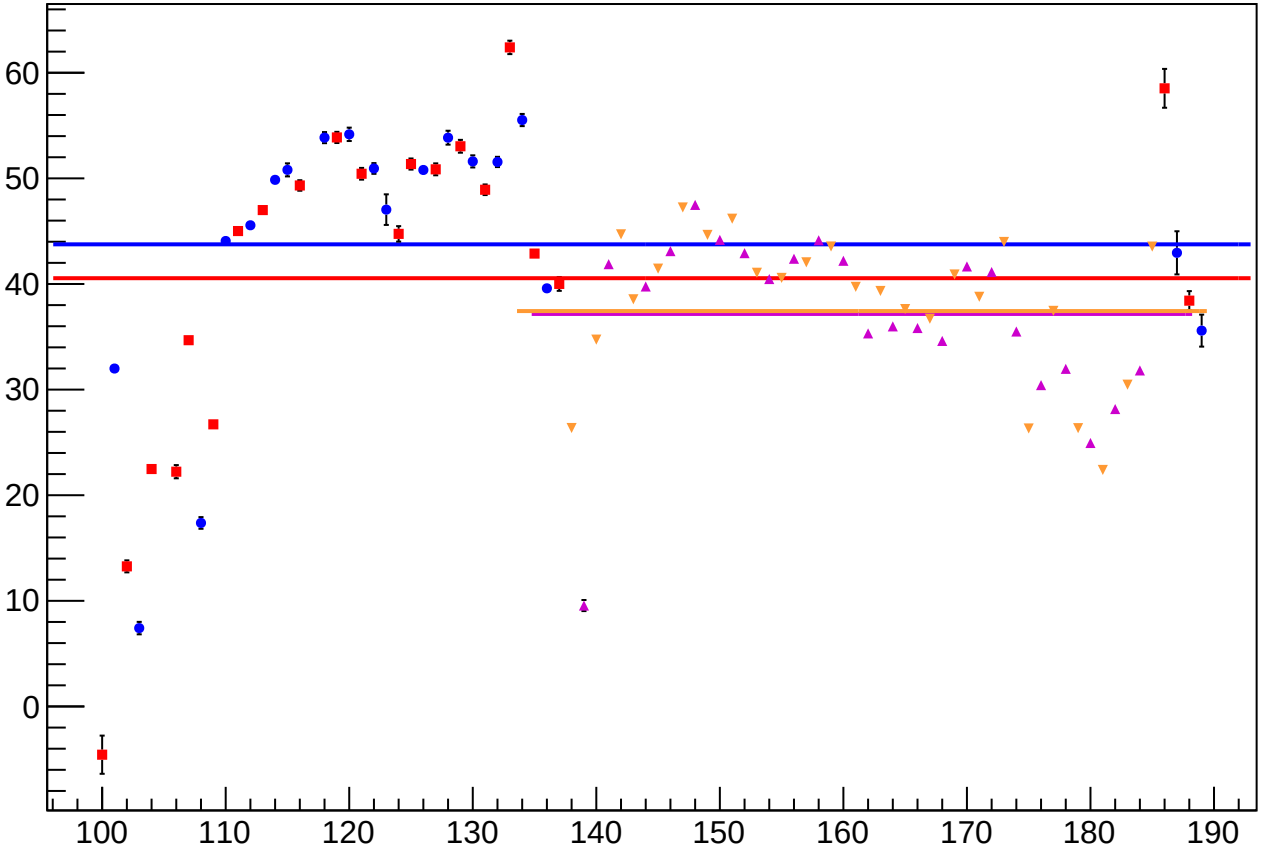
Left In: -26.733+/-0.055 $\chi^2$/NDF:42643.0/22

+ sign -30.473+/-0.049 $\chi^2$/NDF: 91219.0/43

All: -31.067+/-0.034 $\chi^2$/NDF: 182226.6/87

- sign -31.644+/-0.048 $\chi^2$/NDF: 90716.0/43

# reg_asym_sam8_diff_bpm4eY_slope vs Slug




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

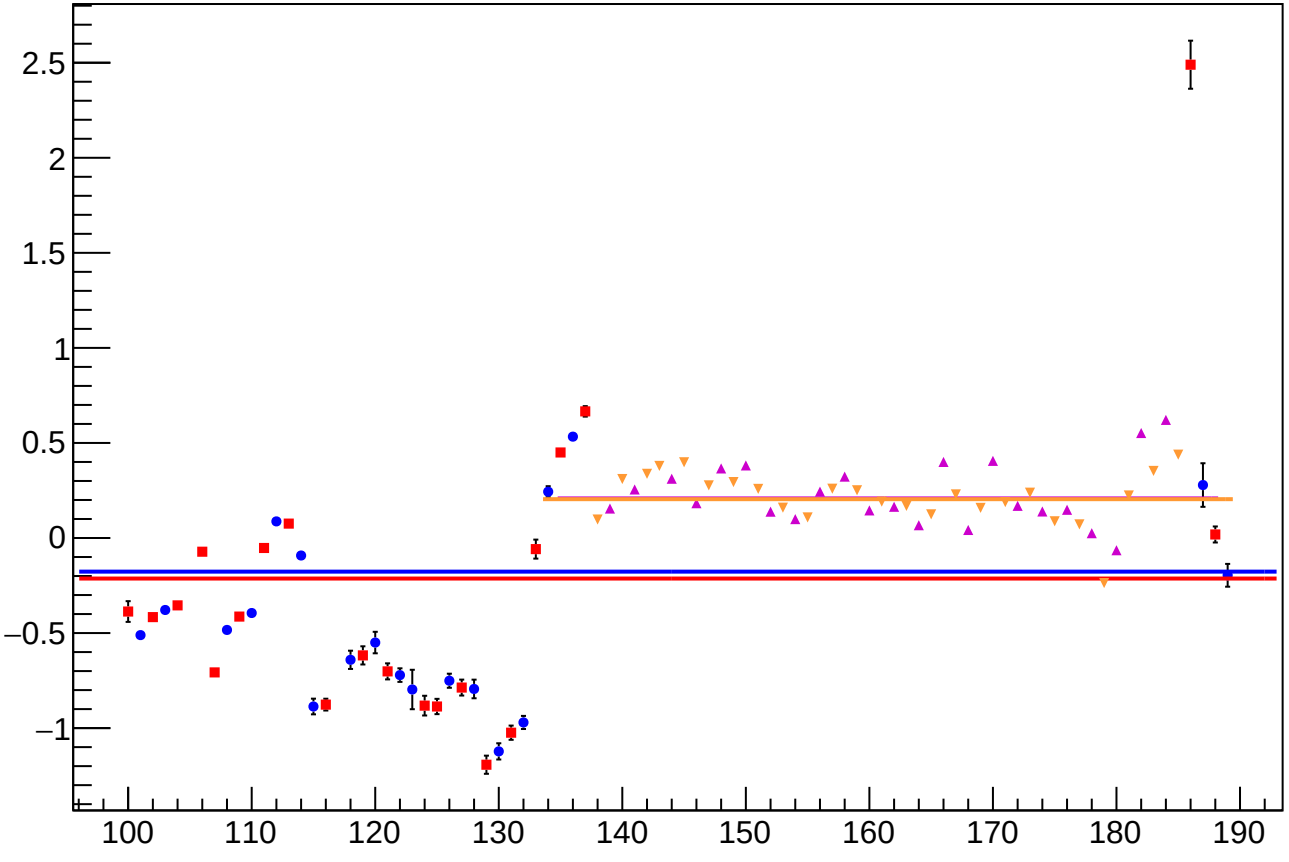
Left In: 37.164+/-0.049 $\chi^2$/NDF:17427.3/22

+ sign 38.893+/-0.042 $\chi^2$/NDF: 36299.1/43

All: 38.497+/-0.029 $\chi^2$/NDF: 72896.4/87

- sign 38.094+/-0.042 $\chi^2$/NDF: 36413.3/43

# reg_asym_sam8_diff_bpm12X_slope vs Slug




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

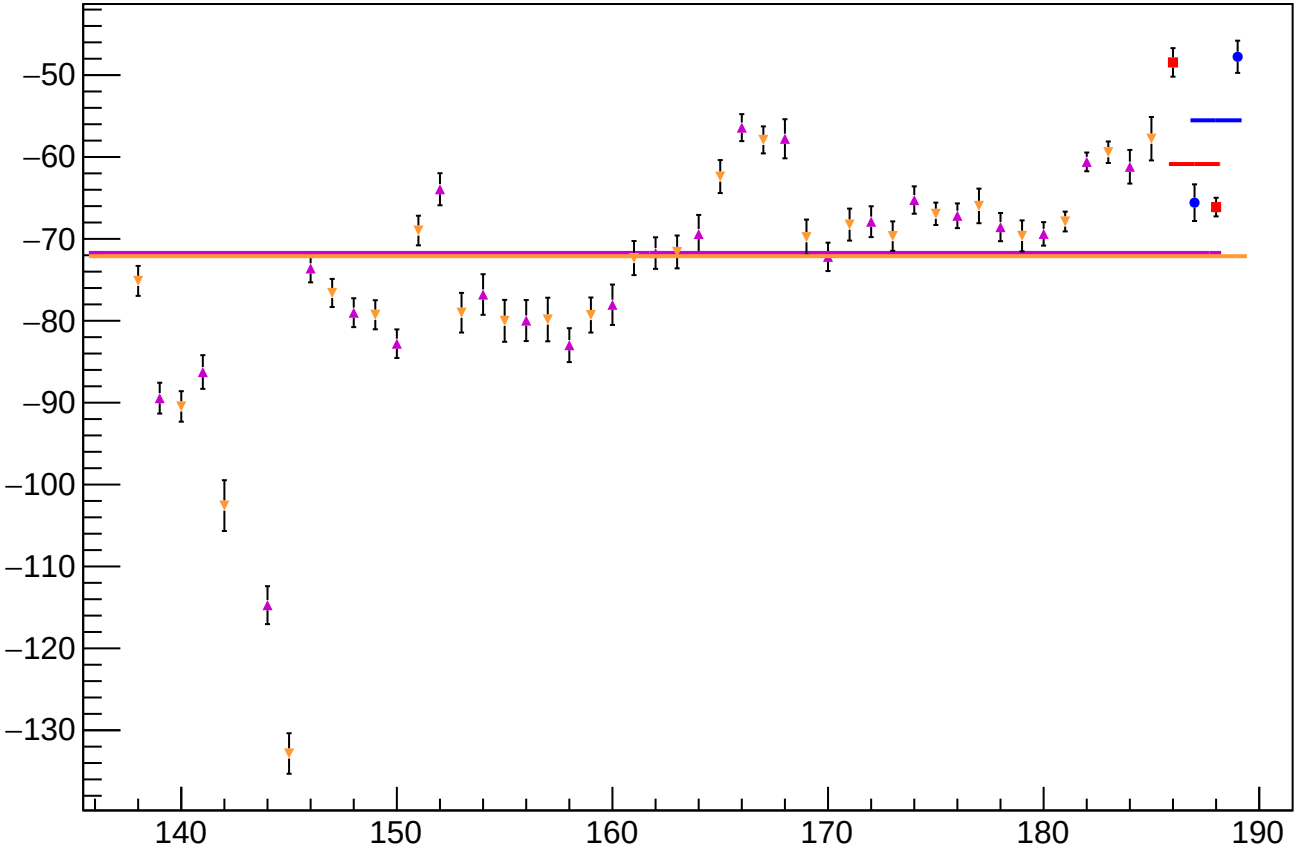
Left In: 0.208+/-0.002 $\chi^2$/NDF:5095.2/22

+ sign 0.139+/-0.002 $\chi^2$/NDF: 16391.9/43

All: 0.129+/-0.001 $\chi^2$/NDF: 37137.4/87

- sign 0.118+/-0.002 $\chi^2$/NDF: 20685.6/43

# reg_asym_usl_diff_bpm1X_slope vs Slug




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

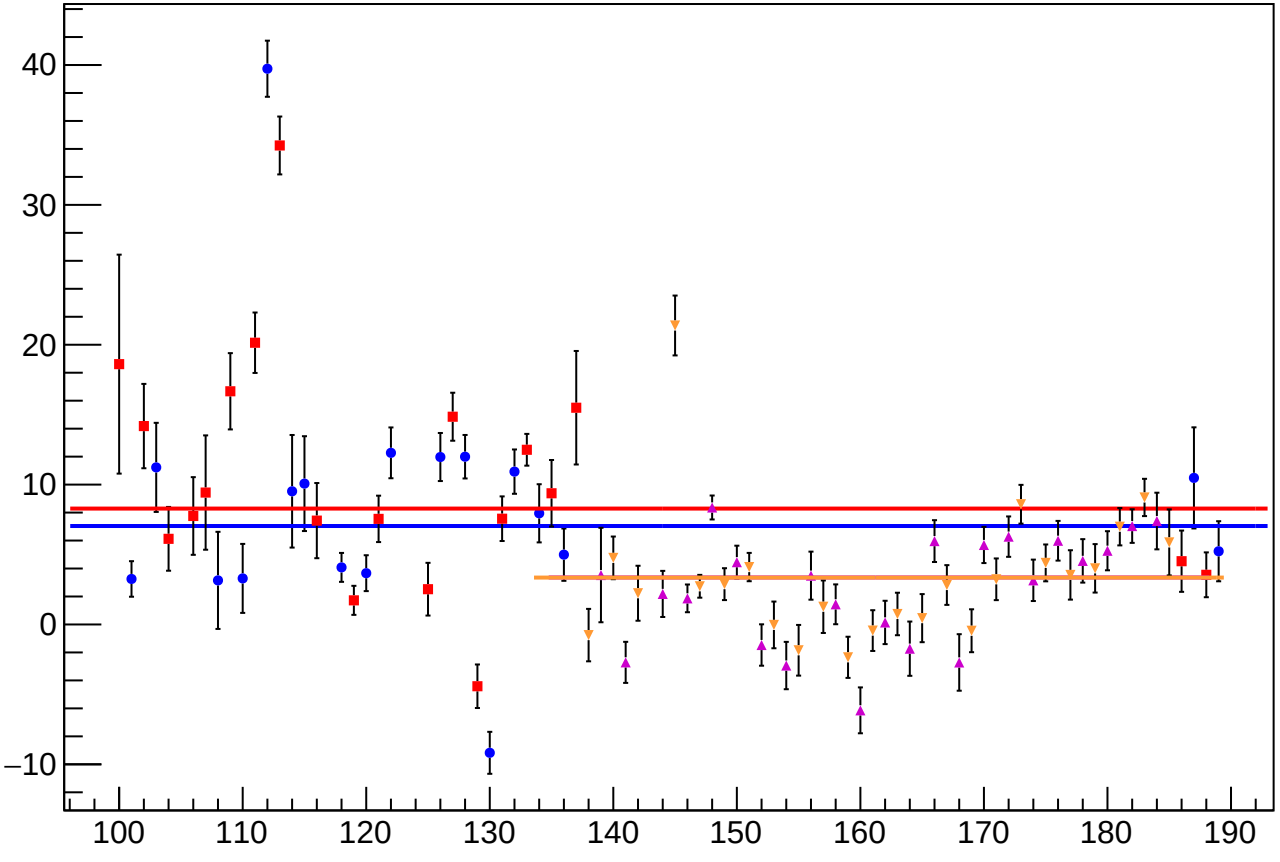
Left In: -71.713+/-0.380 $\chi^2$/NDF:884.6/22

+ sign -71.072+/-0.371 $\chi^2$/NDF: 1279.0/25

All: -70.624+/-0.256 $\chi^2$/NDF: 2350.9/50

- sign -70.217+/-0.353 $\chi^2$/NDF: 1069.0/24

# reg_asym_usl_diff_bpm4aY_slope vs Slug




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

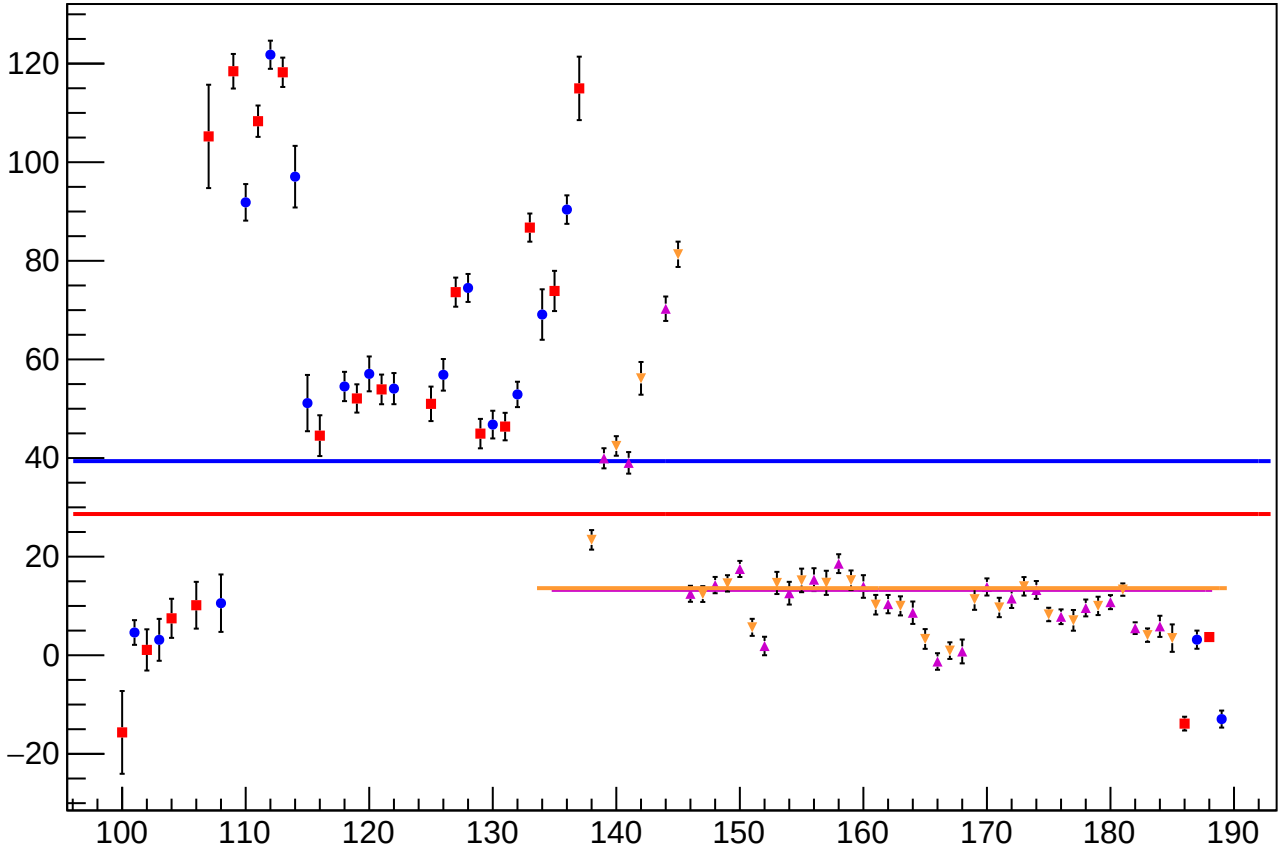
Left In: 3.360+/-0.298 $\chi^2$/NDF:164.5/22

+ sign 4.561+/-0.242 $\chi^2$/NDF: 667.6/41

All: 4.771+/-0.172 $\chi^2$/NDF: 1287.5/84

- sign 4.985+/-0.244 $\chi^2$/NDF: 618.4/42

# reg_asym_usl_diff_bpm4eX_slope vs Slug




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

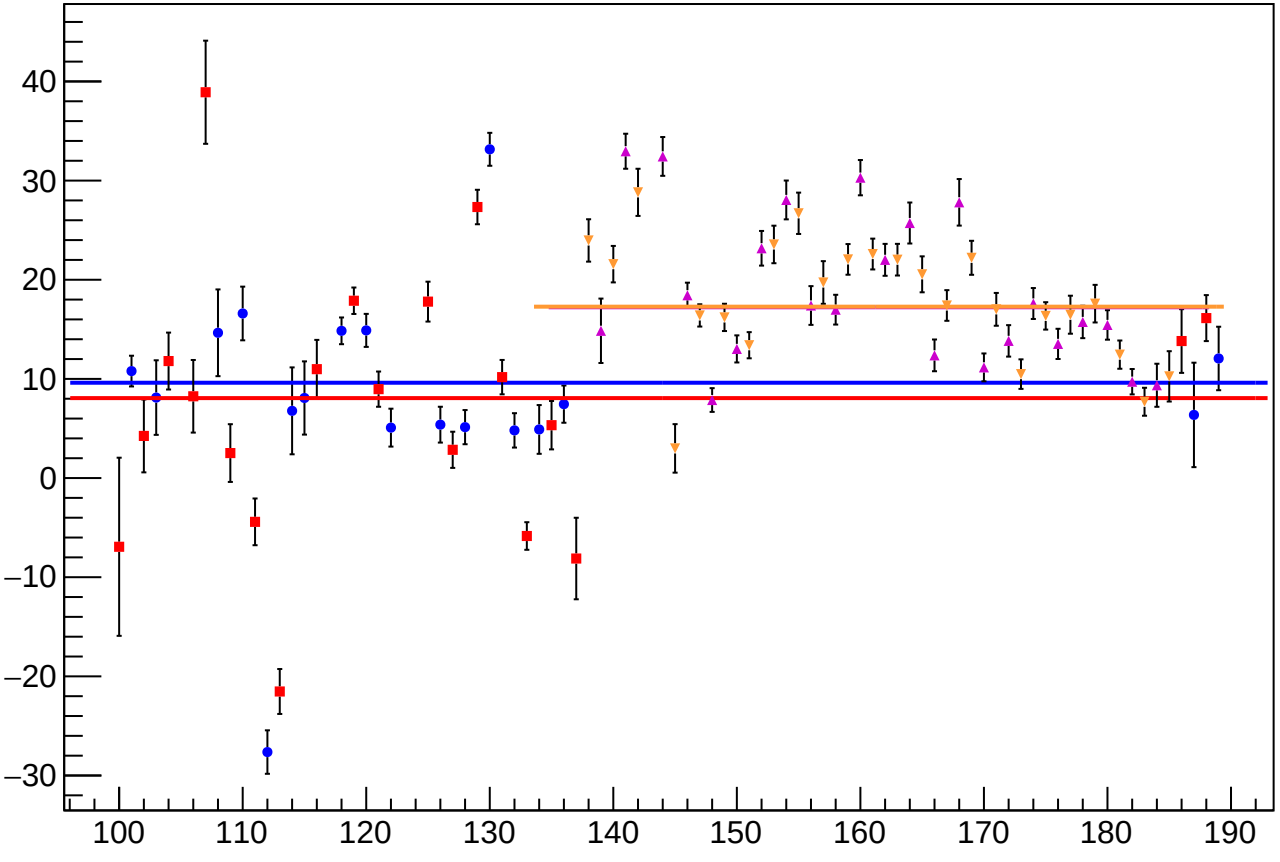
Left In: 13.262+/-0.379 $\chi^2$/NDF:1077.0/22

+ sign 19.597+/-0.334 $\chi^2$/NDF: 5717.8/41

All: 18.752+/-0.229 $\chi^2$/NDF: 12545.0/84

- sign 18.003+/-0.315 $\chi^2$/NDF: 6815.1/42

# reg_asym_usl_diff_bpm4eY_slope vs Slug




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

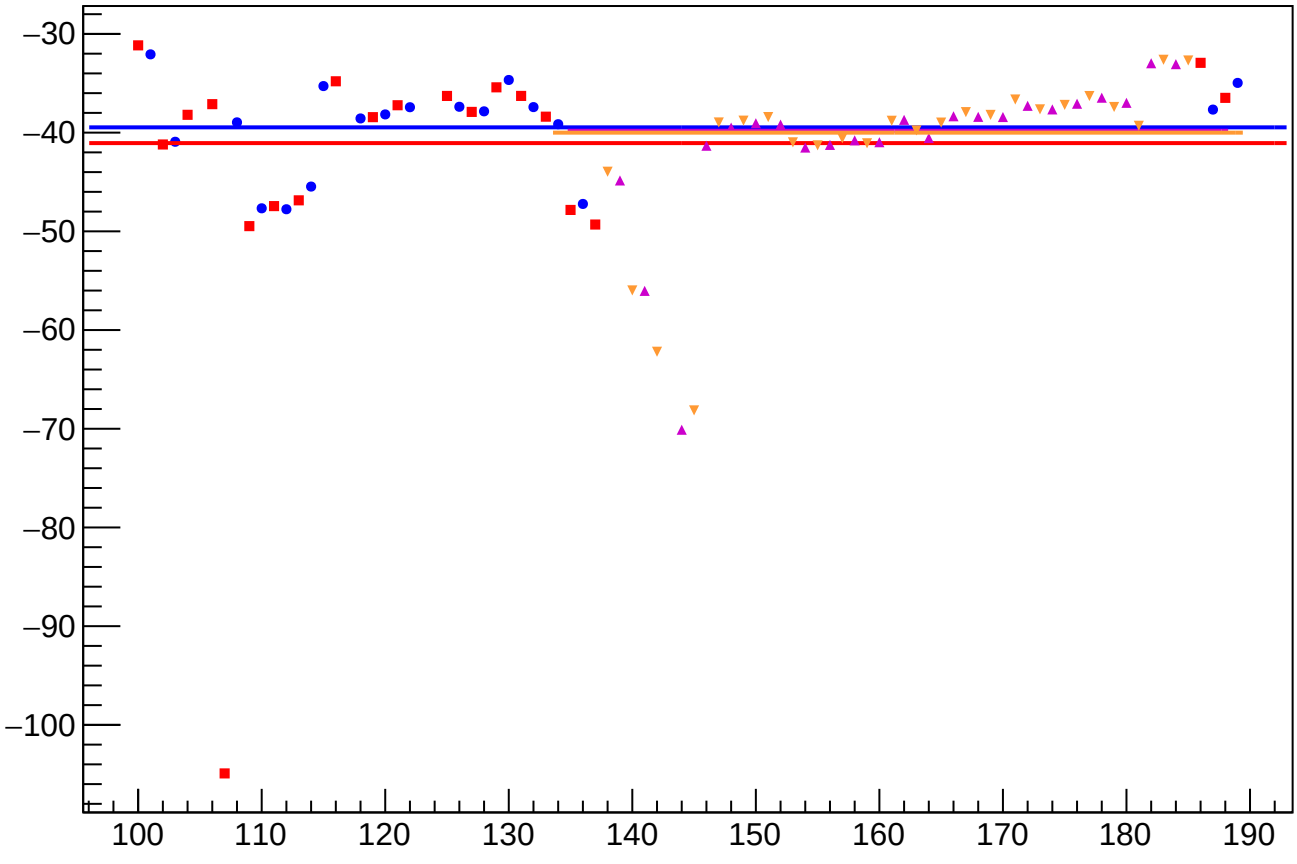
Left In: 17.224+/-0.339 $\chi^2$/NDF:442.2/22

+ sign 14.841+/-0.278 $\chi^2$/NDF: 964.5/41

All: 14.584+/-0.197 $\chi^2$/NDF: 2226.5/84

- sign 14.324+/-0.280 $\chi^2$/NDF: 1260.4/42

# reg_asym_usl_diff_bpm12X_slope vs Slug




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

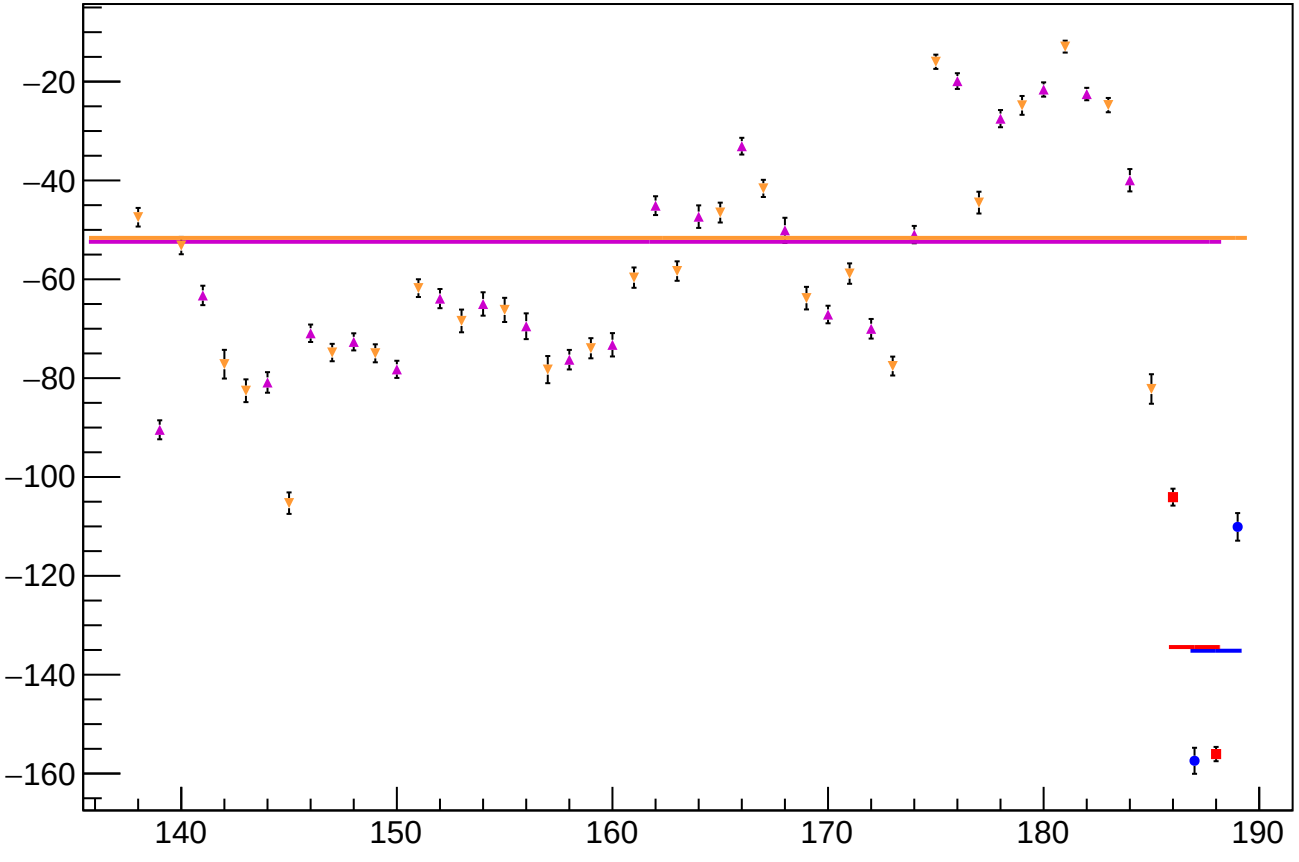
Left In: -39.813+/-0.016 $\chi^2$/NDF:145790.5/22

+ sign -39.886+/-0.014 $\chi^2$/NDF: 200061.3/41

All: -39.986+/-0.010 $\chi^2$/NDF: 445531.8/84

- sign -40.084+/-0.014 $\chi^2$/NDF: 245367.4/42

# reg_asym_usr_diff_bpm1X_slope vs Slug




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

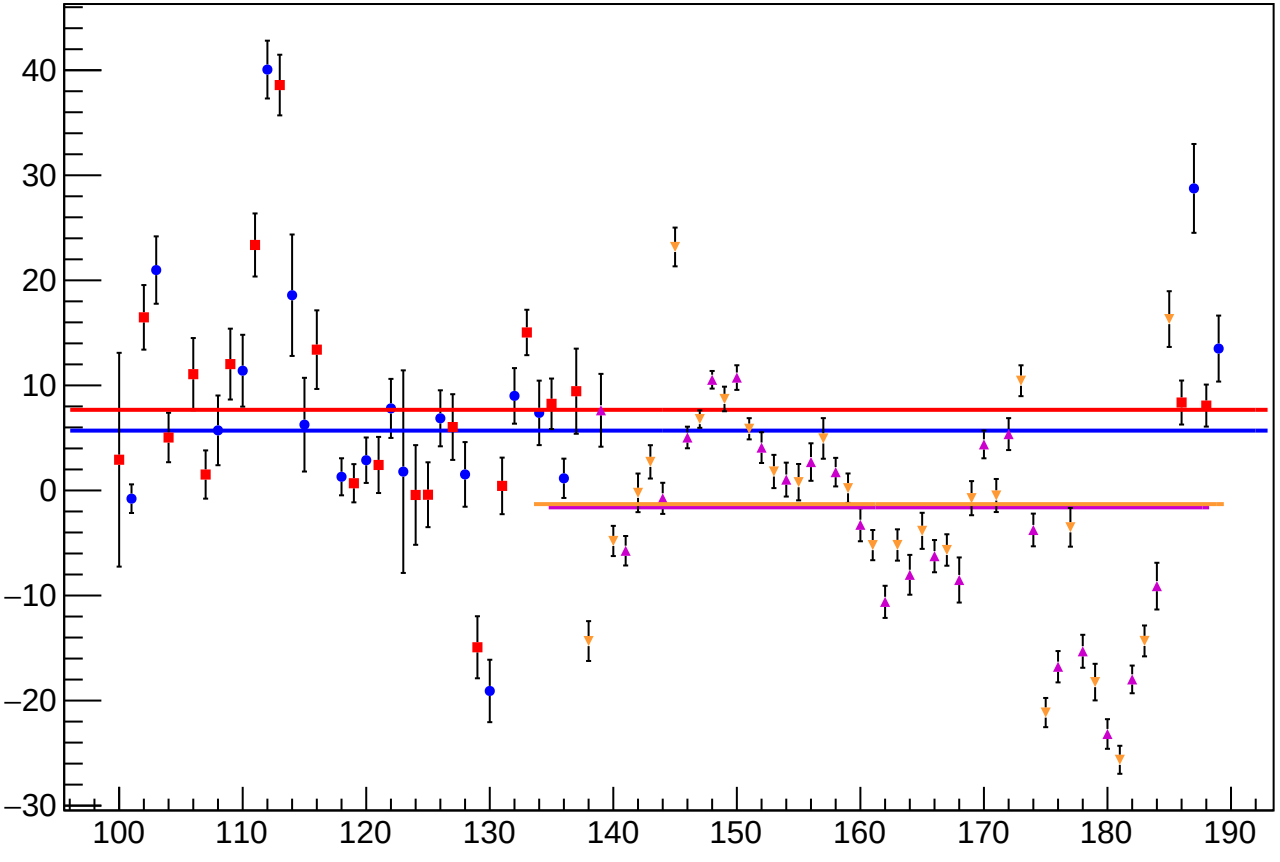
Left In: -52.409+/-0.387 $\chi^2$/NDF:3378.7/22

+ sign -54.842+/-0.376 $\chi^2$/NDF: 6114.6/26

All: -58.208+/-0.262 $\chi^2$/NDF: 15098.0/51

- sign -61.386+/-0.365 $\chi^2$/NDF: 8827.6/24

# reg_asym_usr_diff_bpm4aY_slope vs Slug




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

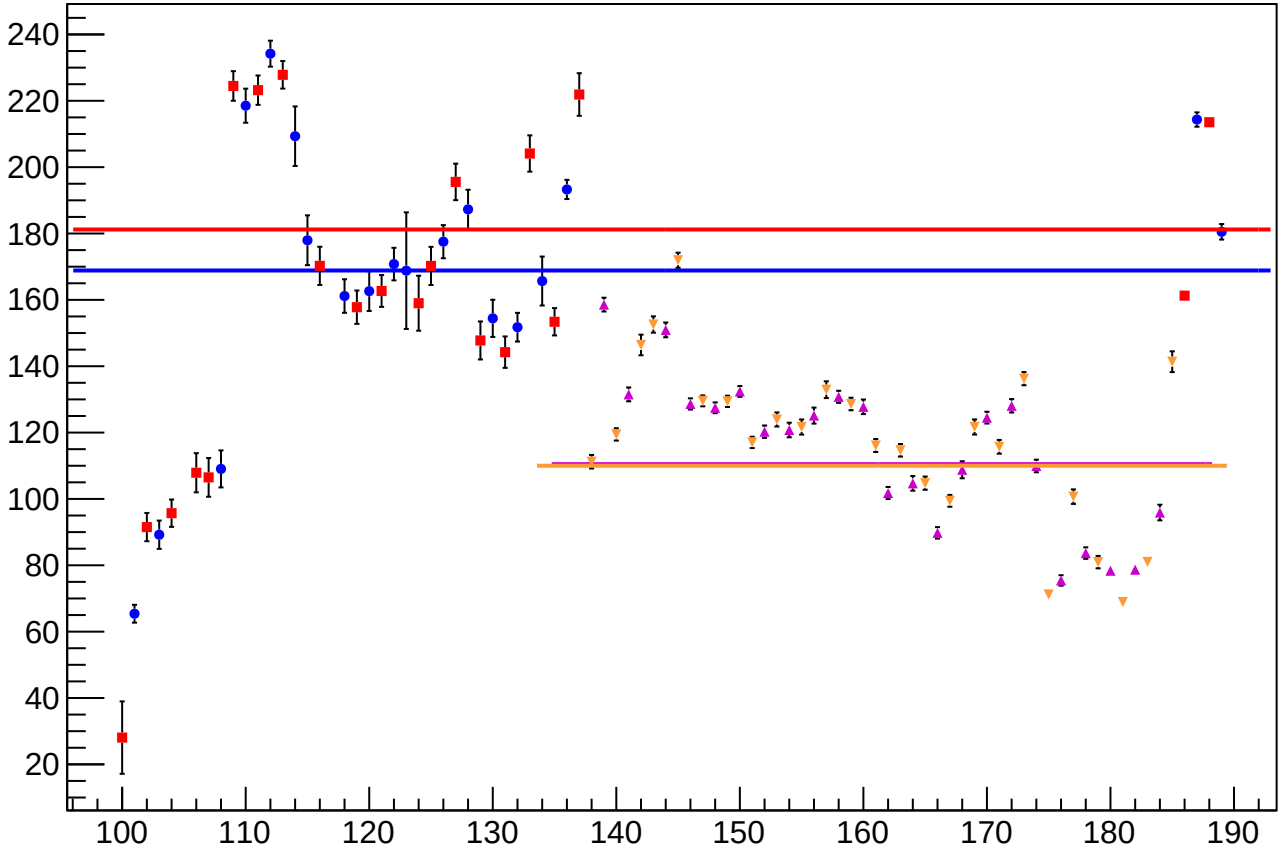
Left In: -1.608+/-0.299 $\chi^2$/NDF:1097.4/22

+ sign 0.032+/-0.263 $\chi^2$/NDF: 1757.6/43

All: 0.151+/-0.188 $\chi^2$/NDF: 3320.5/87

- sign 0.273+/-0.267 $\chi^2$/NDF: 1562.4/43

# reg_asym_usr_diff_bpm4eX_slope vs Slug




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

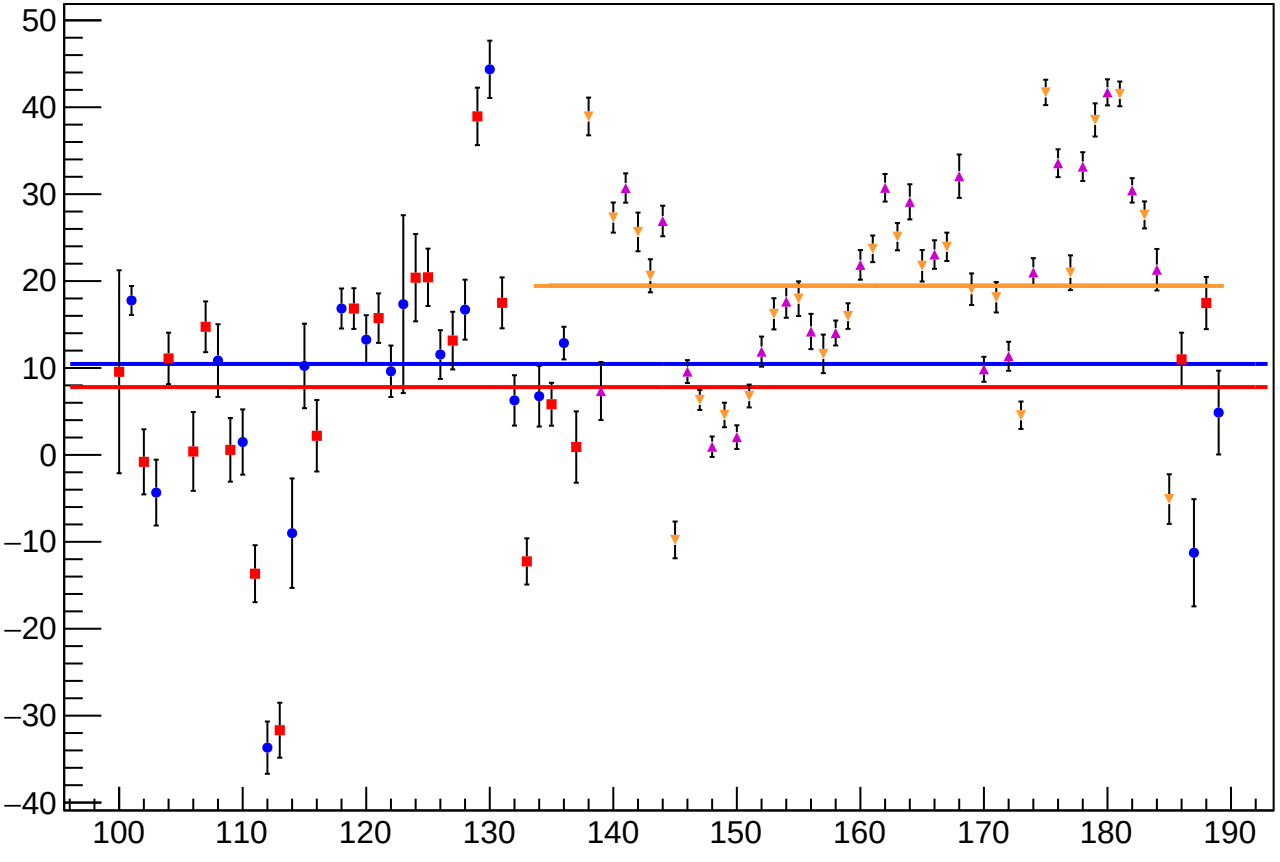
Left In: 110.482+/-0.385 $\chi^2$/NDF:3824.9/22

+ sign 118.559+/-0.354 $\chi^2$/NDF: 10889.4/43

All: 122.780+/-0.244 $\chi^2$/NDF: 25646.9/87

- sign 126.630+/-0.338 $\chi^2$/NDF: 14485.4/43

# reg_asym_usr_diff_bpm4eY_slope vs Slug




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

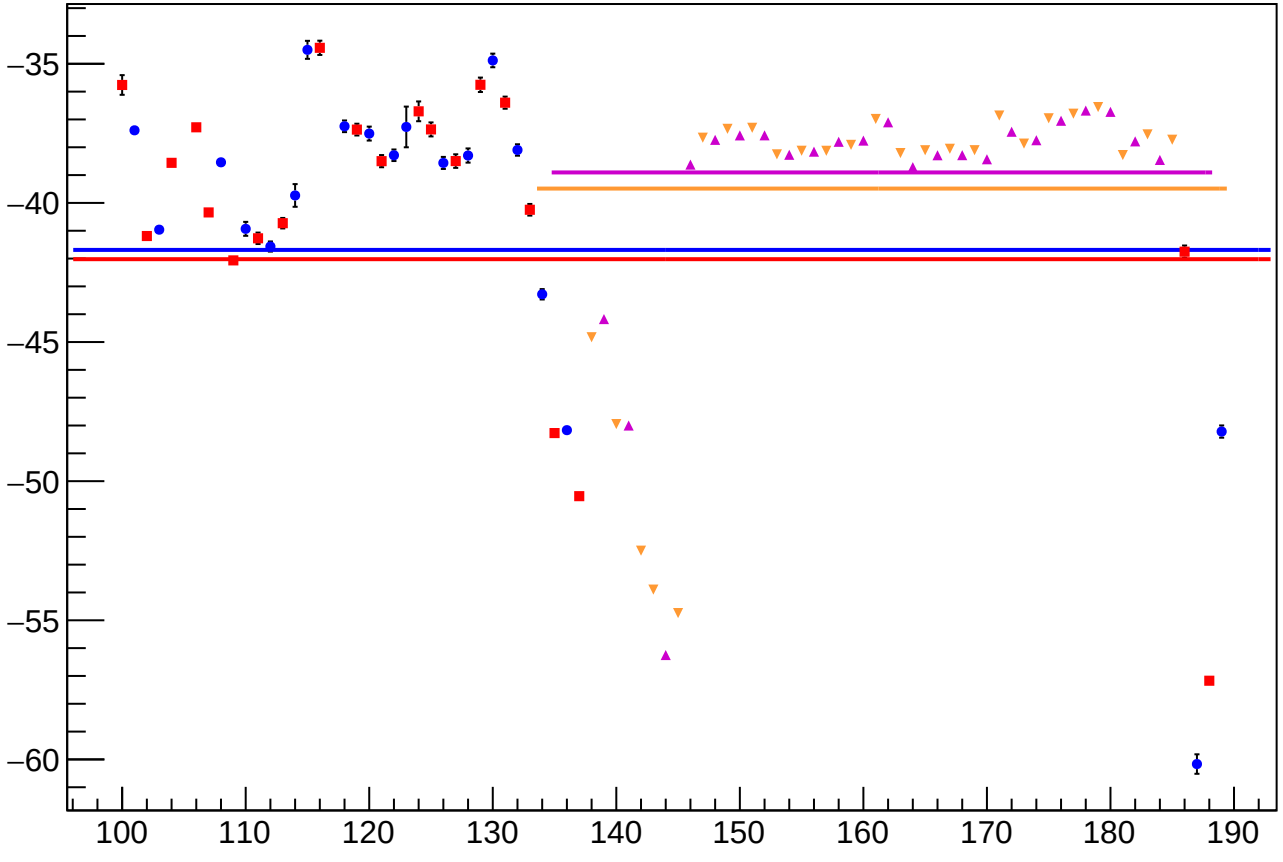
Left In: 19.472+/-0.342 $\chi^2$/NDF:1188.2/22

+ sign 17.763+/-0.303 $\chi^2$/NDF: 1987.6/43

All: 17.516+/-0.216 $\chi^2$/NDF: 3835.4/87

- sign 17.261+/-0.308 $\chi^2$/NDF: 1846.4/43

# reg_asym_usr_diff_bpm12X_slope vs Slug




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

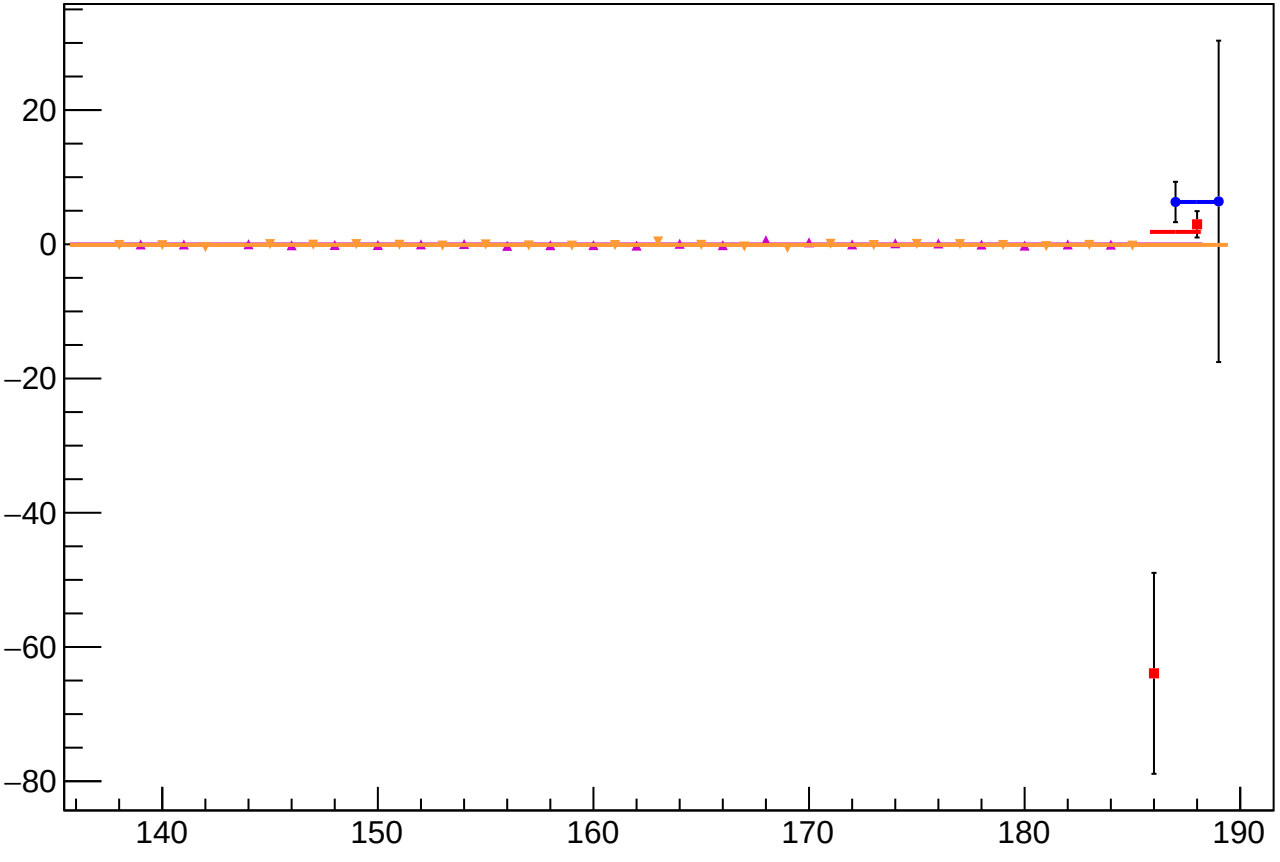
Left In: -38.905+/-0.016 $\chi^2$/NDF:54282.7/22

+ sign -39.813+/-0.015 $\chi^2$/NDF: 108145.3/43

All: -39.599+/-0.010 $\chi^2$/NDF: 190608.5/87

- sign -39.385+/-0.015 $\chi^2$/NDF: 82031.5/43

# reg_asym_dsl_diff_bpm1X_slope vs Slug




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

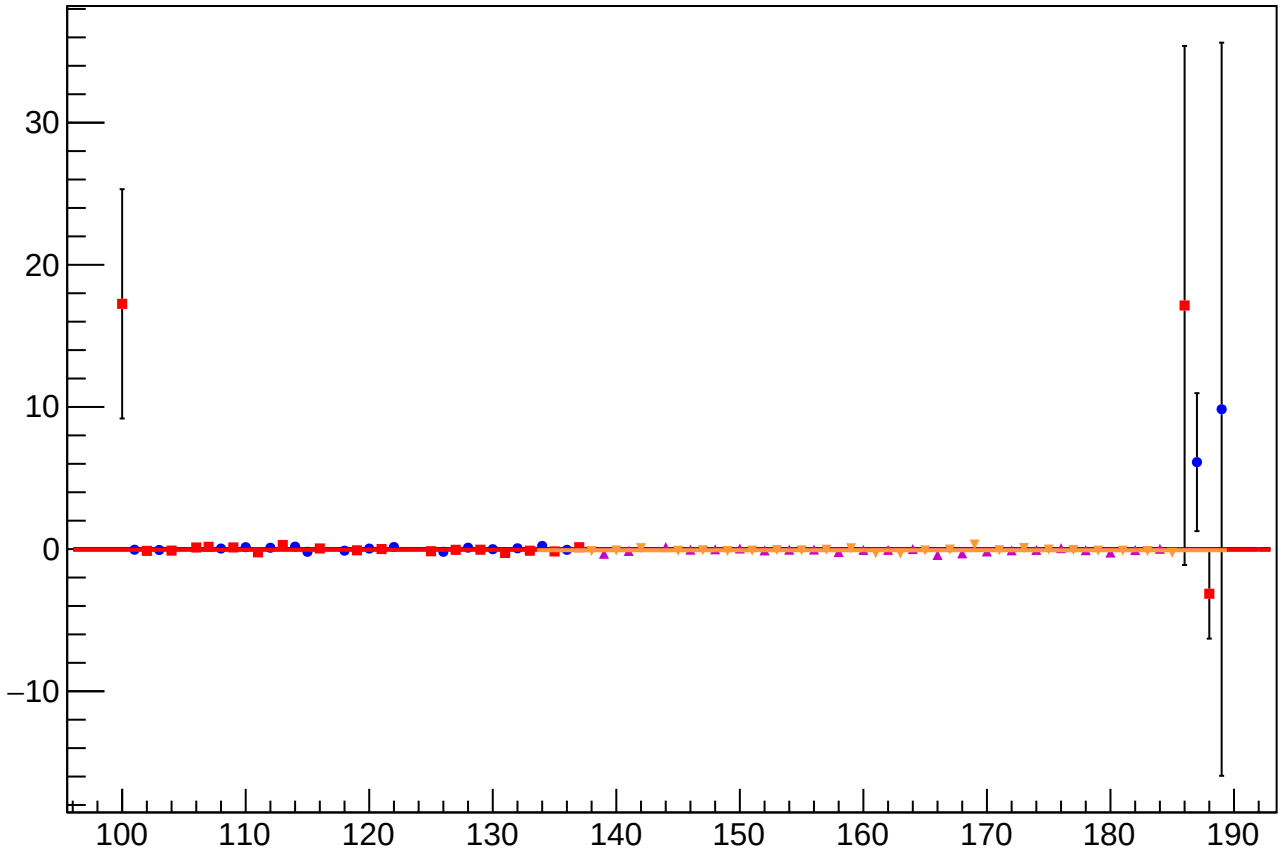
Left In: -0.026+/-0.022 $\chi^2$/NDF:32.3/22

+ sign -0.089+/-0.022 $\chi^2$/NDF: 44.6/25

All: -0.057+/-0.016 $\chi^2$/NDF: 101.5/50

- sign -0.025+/-0.022 $\chi^2$/NDF: 52.8/24

# reg_asym_dsl_diff_bpm4aY_slope vs Slug




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

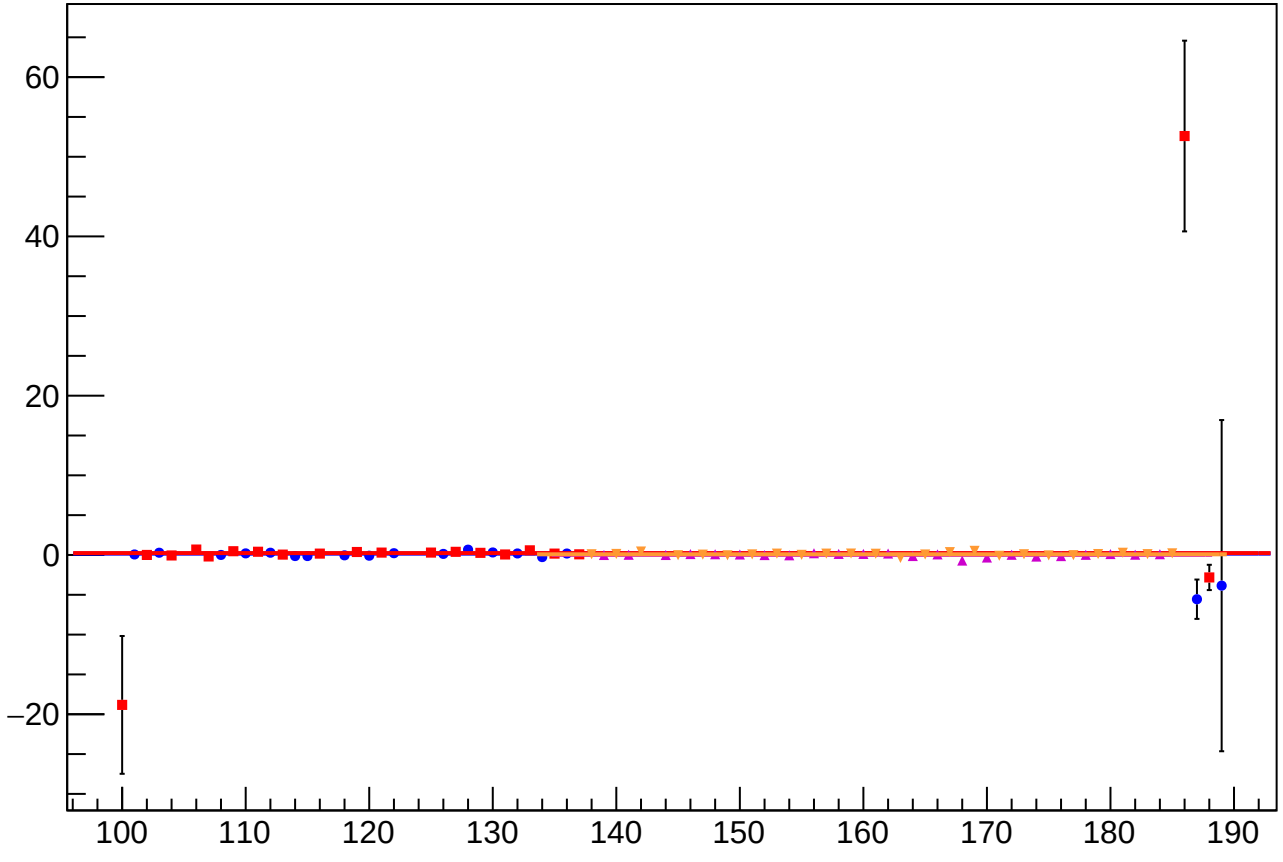
Left In: -0.055+/-0.018 $\chi^2$/NDF:32.2/22

+ sign -0.058+/-0.015 $\chi^2$/NDF: 46.3/41

All: -0.056+/-0.011 $\chi^2$/NDF: 106.2/84

- sign -0.054+/-0.015 $\chi^2$/NDF: 59.8/42

# reg_asym_dsl_diff_bpm4eX_slope vs Slug




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

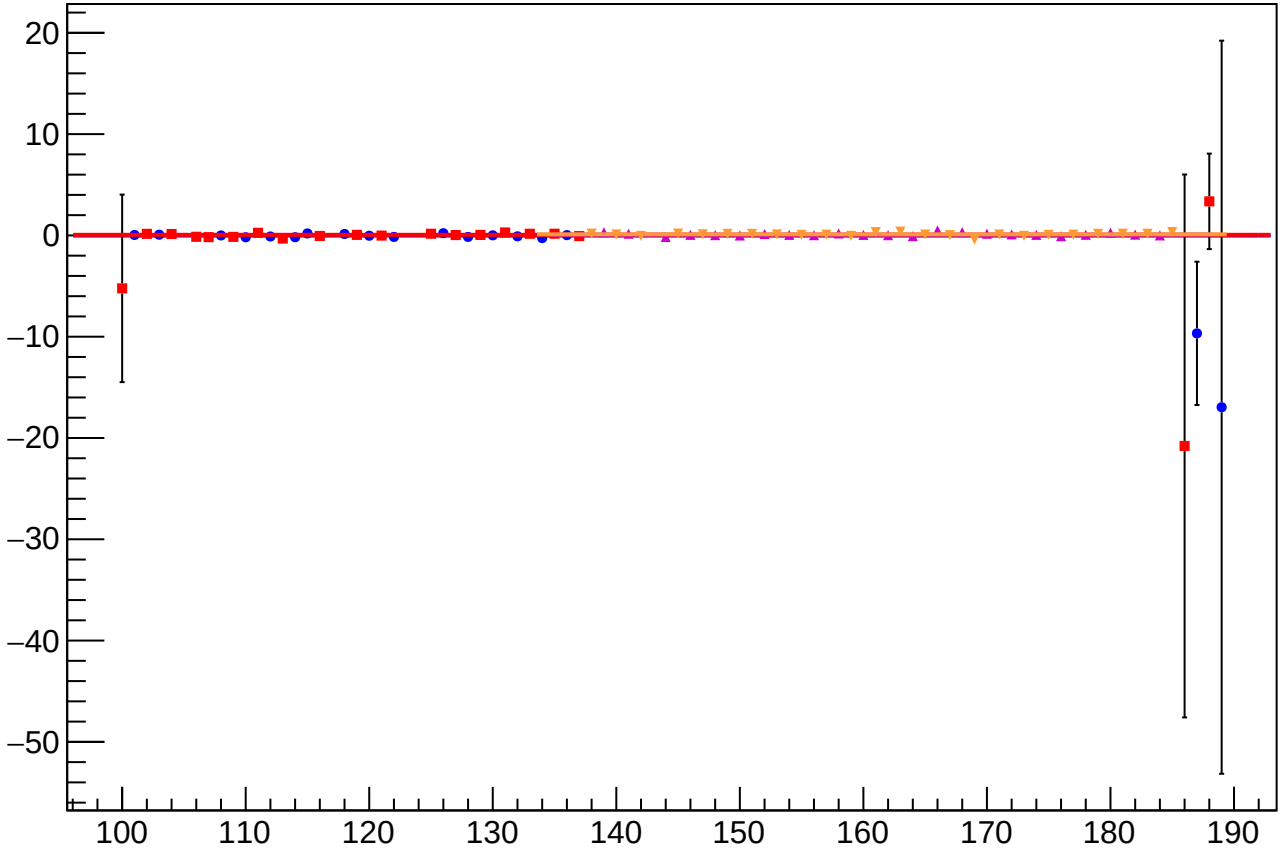
Left In: 0.020+/-0.022 $\chi^2$/NDF:34.5/22

+ sign 0.095+/-0.020 $\chi^2$/NDF: 60.1/41

All: 0.073+/-0.014 $\chi^2$/NDF: 155.3/84

- sign 0.051+/-0.020 $\chi^2$/NDF: 93.0/42

# reg_asym_dsl_diff_bpm4eY_slope vs Slug




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

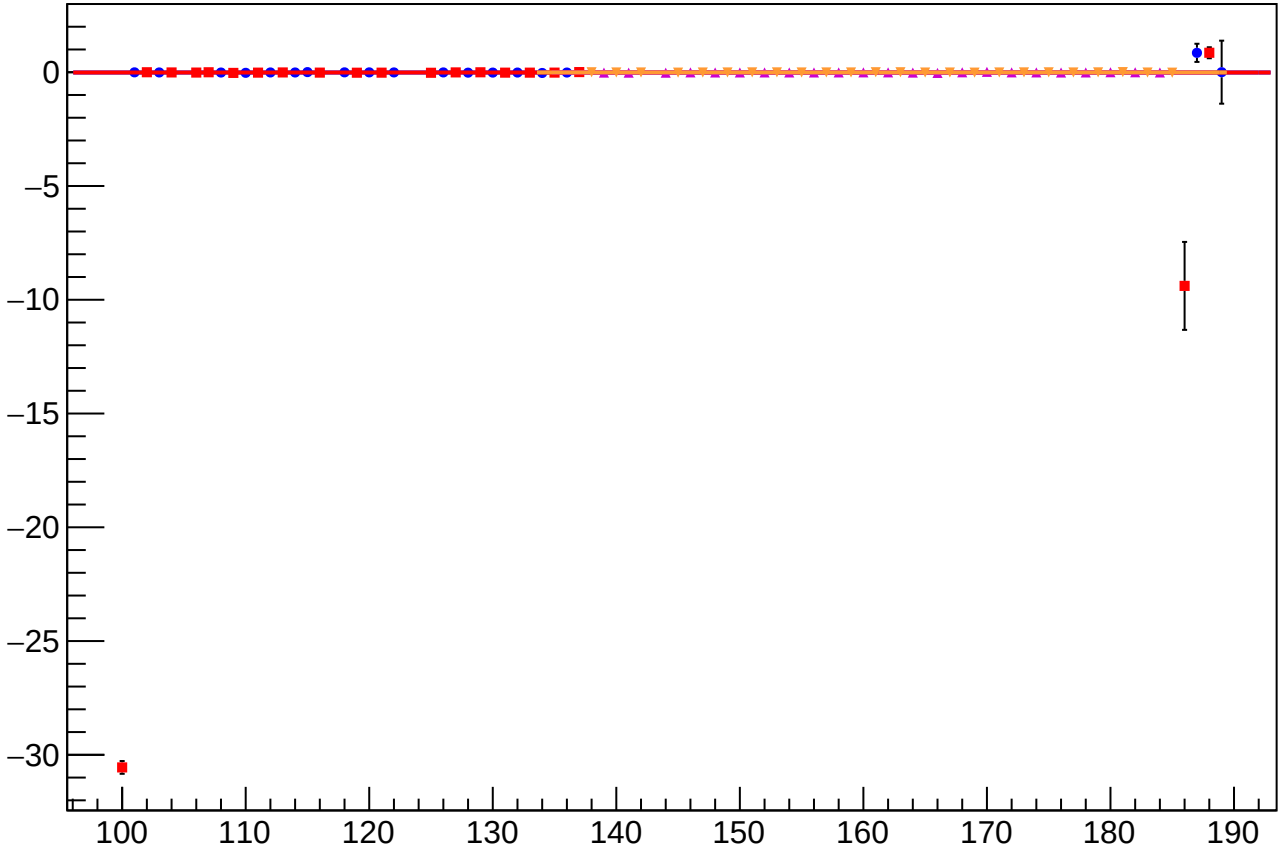
Left In: 0.072+/-0.020 $\chi^2$/NDF:31.7/22

+ sign 0.074+/-0.017 $\chi^2$/NDF: 54.7/41

All: 0.071+/-0.012 $\chi^2$/NDF: 108.2/84

- sign 0.069+/-0.017 $\chi^2$/NDF: 53.5/42

# reg_asym_dsl_diff_bpm12X_slope vs Slug




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

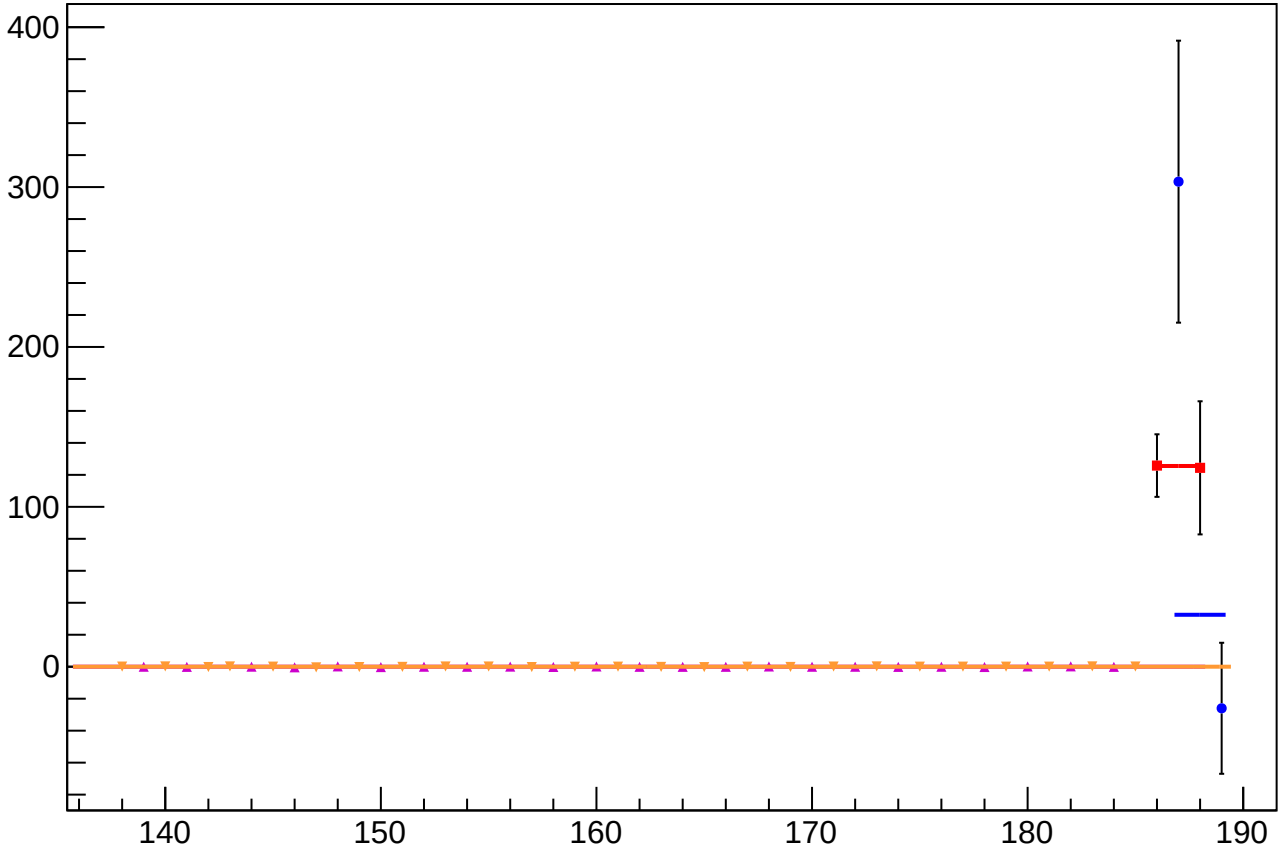
Left In: -0.009+/-0.001 $\chi^2$/NDF:42.1/22

+ sign -0.009+/-0.001 $\chi^2$/NDF: 51.9/41

All: -0.009+/-0.001 $\chi^2$/NDF: 12024.9/84

- sign -0.009+/-0.001 $\chi^2$/NDF: 11972.7/42

# reg_asym_dsr_diff_bpm1X_slope vs Slug




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

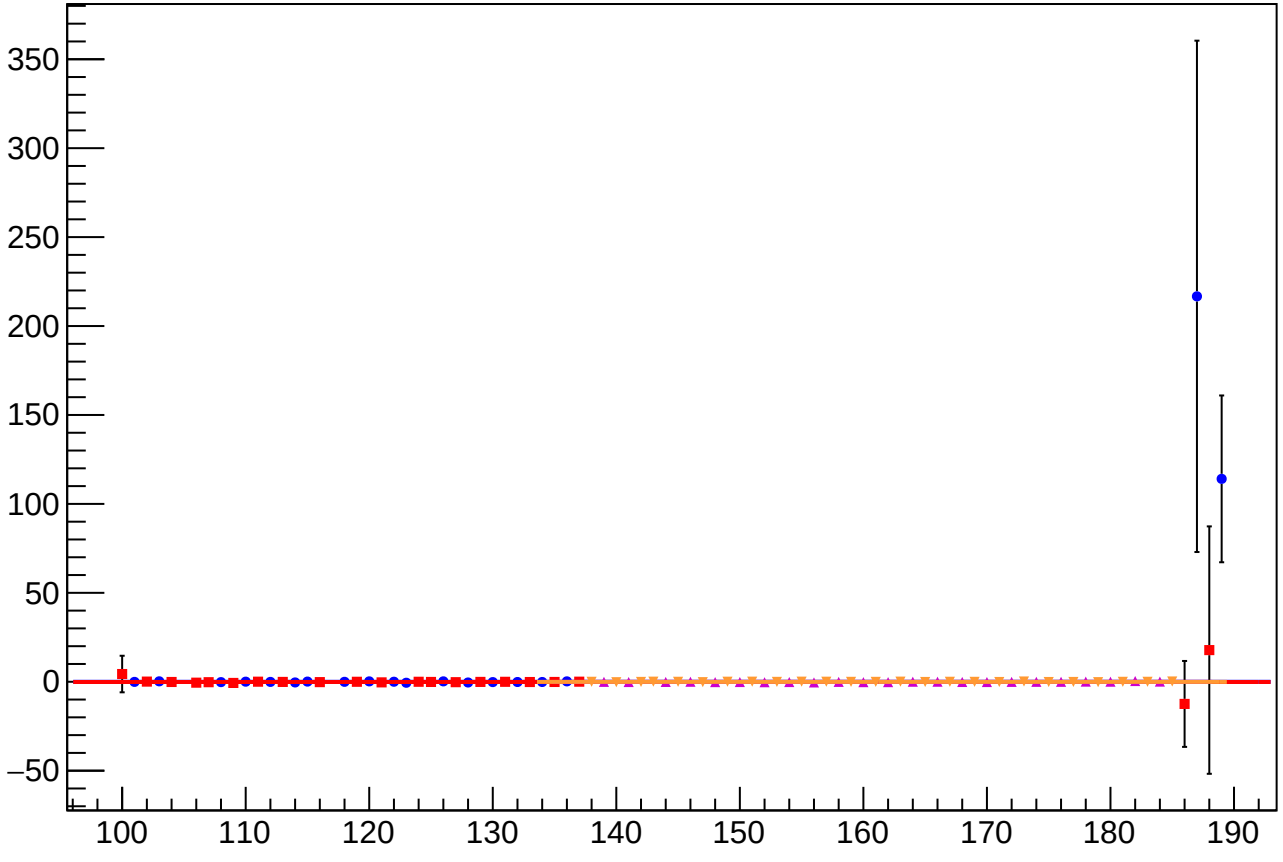
Left In: 0.004+/-0.028 $\chi^2$/NDF:28.2/22

+ sign 0.013+/-0.027 $\chi^2$/NDF: 41.4/26

All: 0.009+/-0.019 $\chi^2$/NDF: 119.9/51

- sign 0.005+/-0.028 $\chi^2$/NDF: 78.4/24

# reg_asym_dsr_diff_bpm4aY_slope vs Slug




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

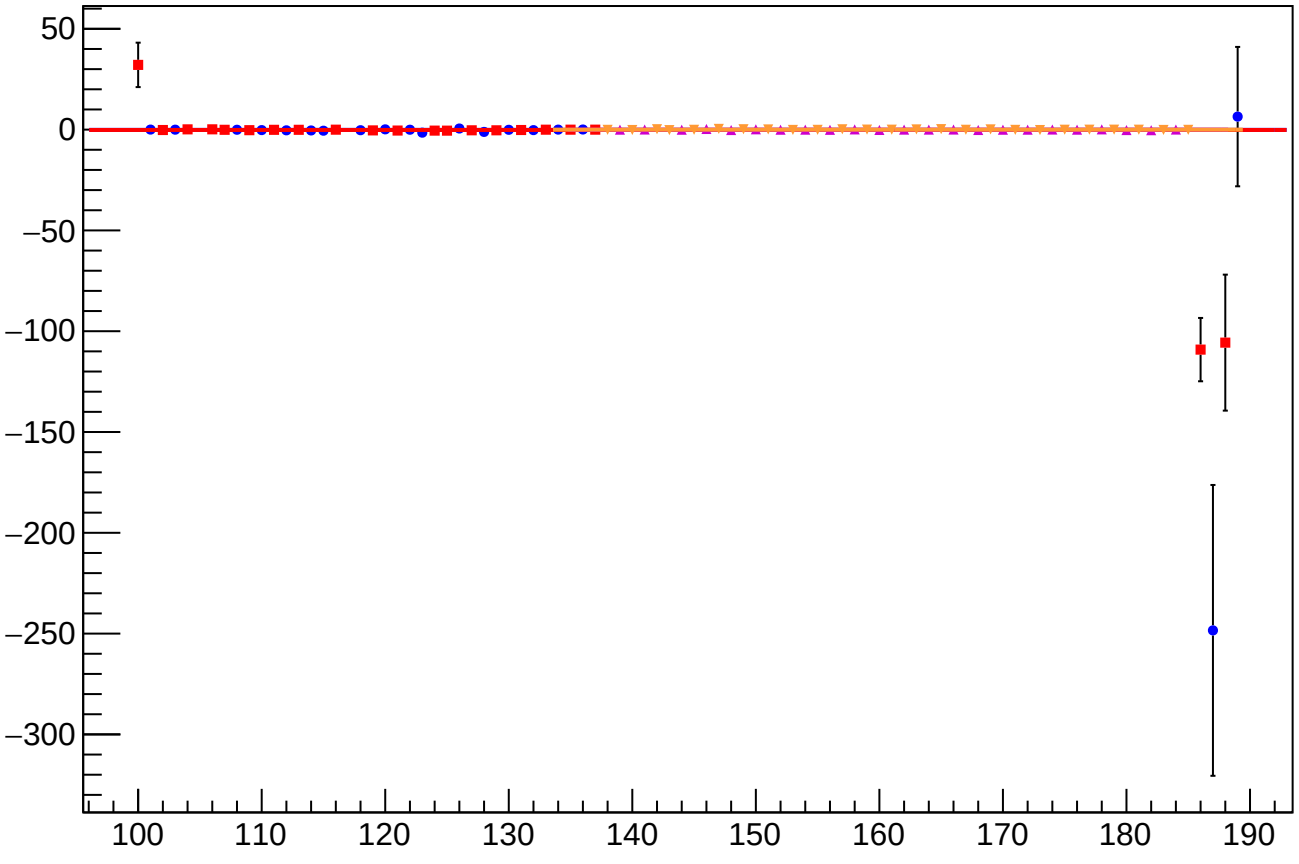
Left In: -0.072+/-0.022 $\chi^2$/NDF:48.7/22

+ sign -0.049+/-0.018 $\chi^2$/NDF: 57.6/43

All: -0.066+/-0.013 $\chi^2$/NDF: 127.7/87

- sign -0.085+/-0.019 $\chi^2$/NDF: 68.3/43

# reg_asym_dsr_diff_bpm4eX_slope vs Slug




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

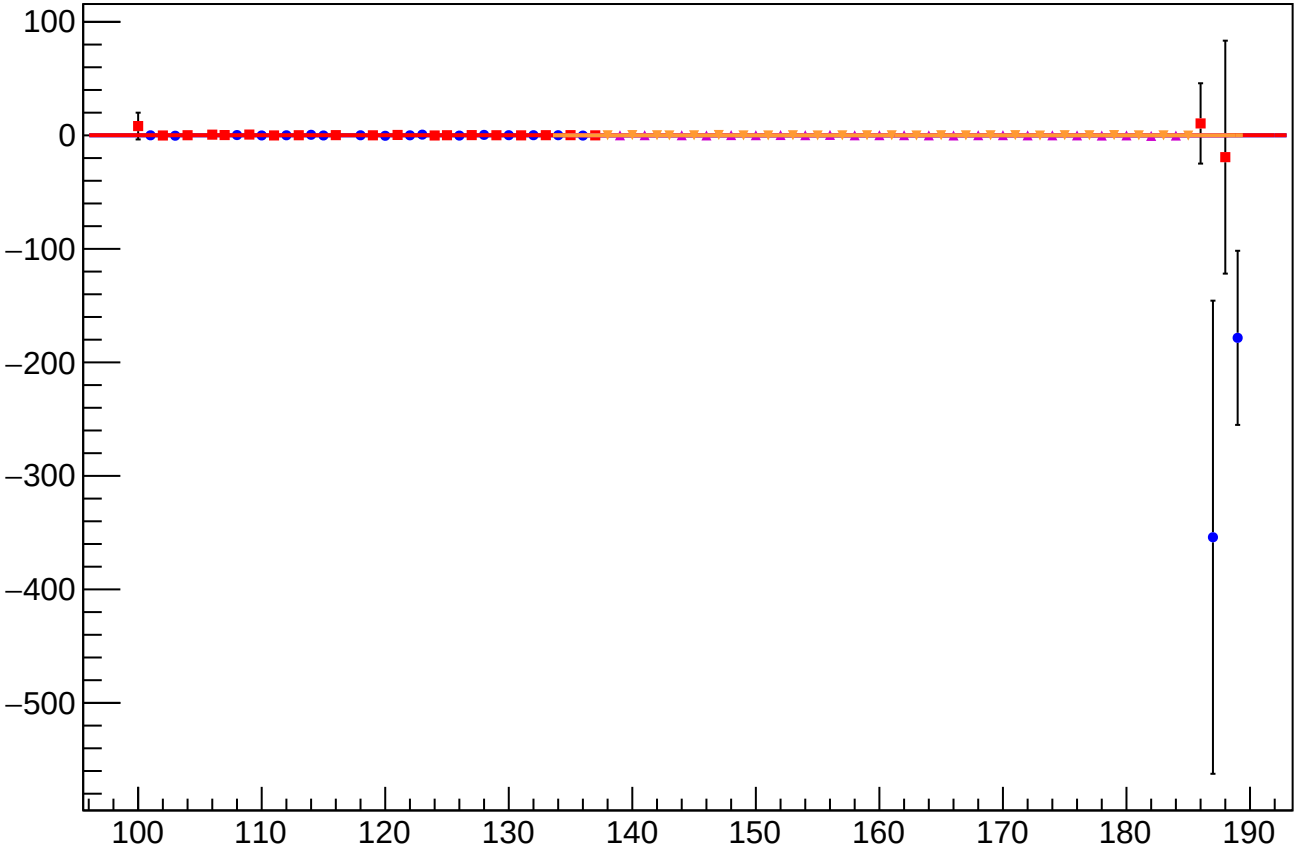
Left In: -0.035+/-0.027 $\chi^2$/NDF:27.7/22

+ sign -0.031+/-0.025 $\chi^2$/NDF: 65.2/43

All: -0.042+/-0.018 $\chi^2$/NDF: 169.6/87

- sign -0.053+/-0.026 $\chi^2$/NDF: 104.0/43

# reg_asym_dsr_diff_bpm4eY_slope vs Slug




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

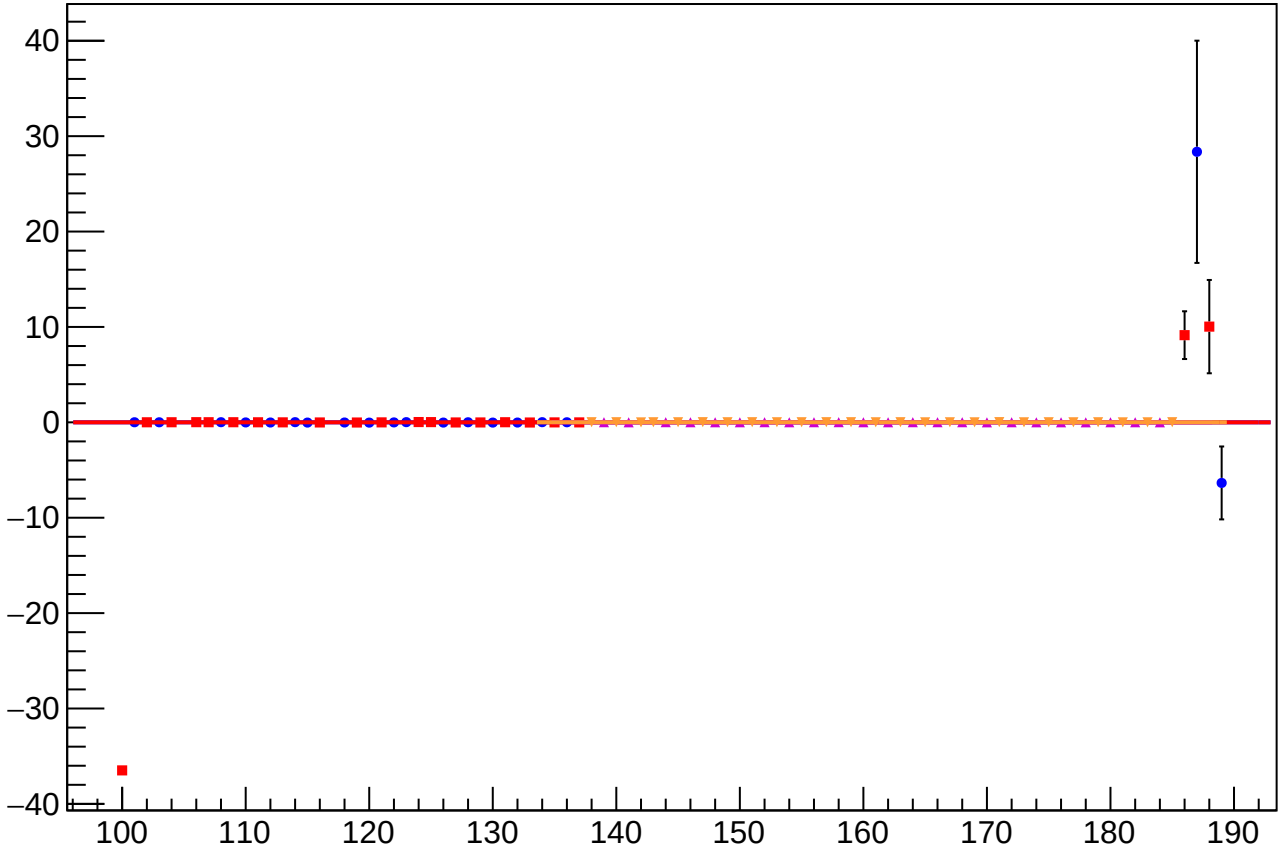
Left In: 0.069+/-0.025 $\chi^2$/NDF:51.4/22

+ sign 0.052+/-0.021 $\chi^2$/NDF: 56.5/43

All: 0.069+/-0.015 $\chi^2$/NDF: 128.4/87

- sign 0.088+/-0.022 $\chi^2$/NDF: 70.4/43

# reg_asym_dsr_diff_bpm12X_slope vs Slug




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

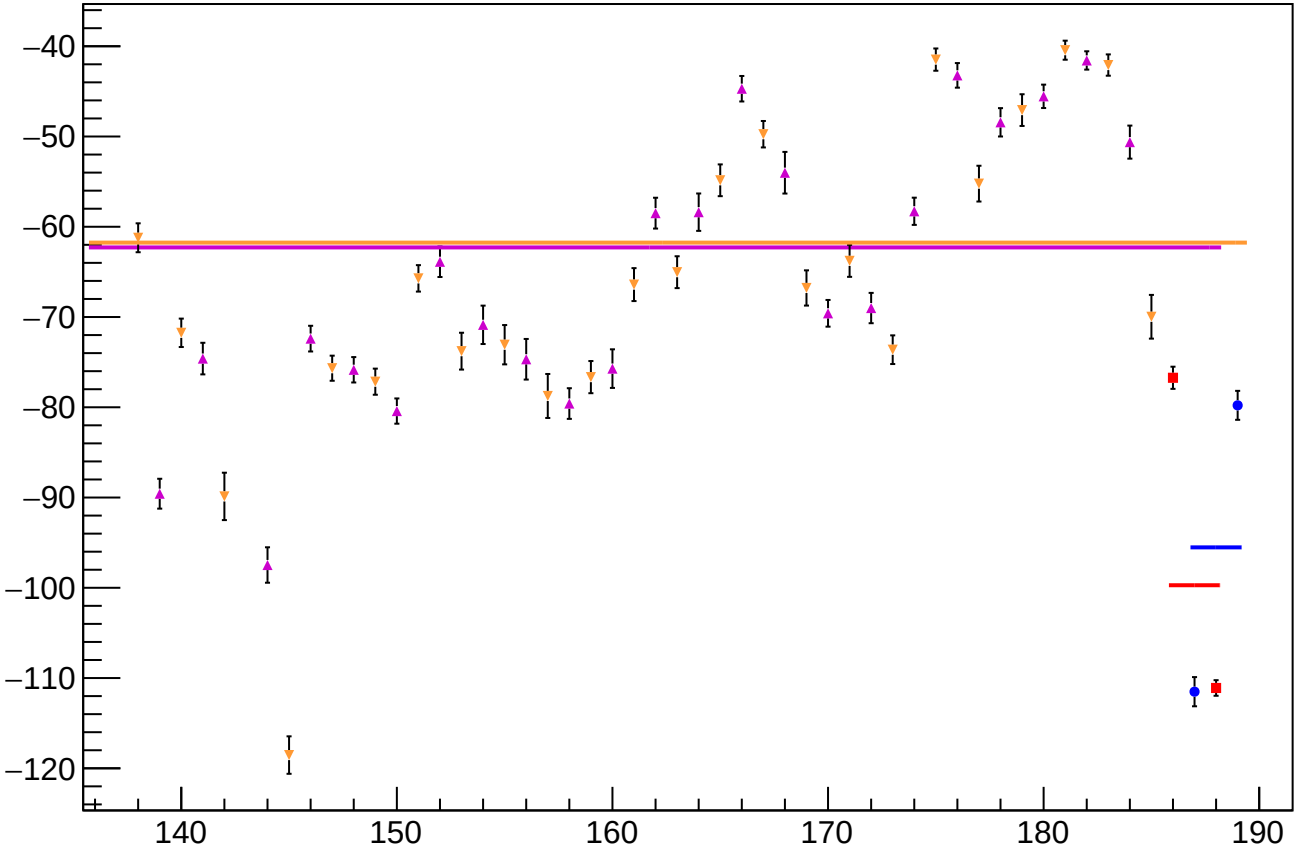
Left In: 0.009+/-0.001 $\chi^2$/NDF:15.8/22

+ sign 0.007+/-0.001 $\chi^2$/NDF: 75.2/43

All: 0.007+/-0.001 $\chi^2$/NDF: 10568.1/87

- sign 0.008+/-0.001 $\chi^2$/NDF: 10492.7/43

# reg_asym_us_avg_diff_bpm1X_slope vs Slug




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

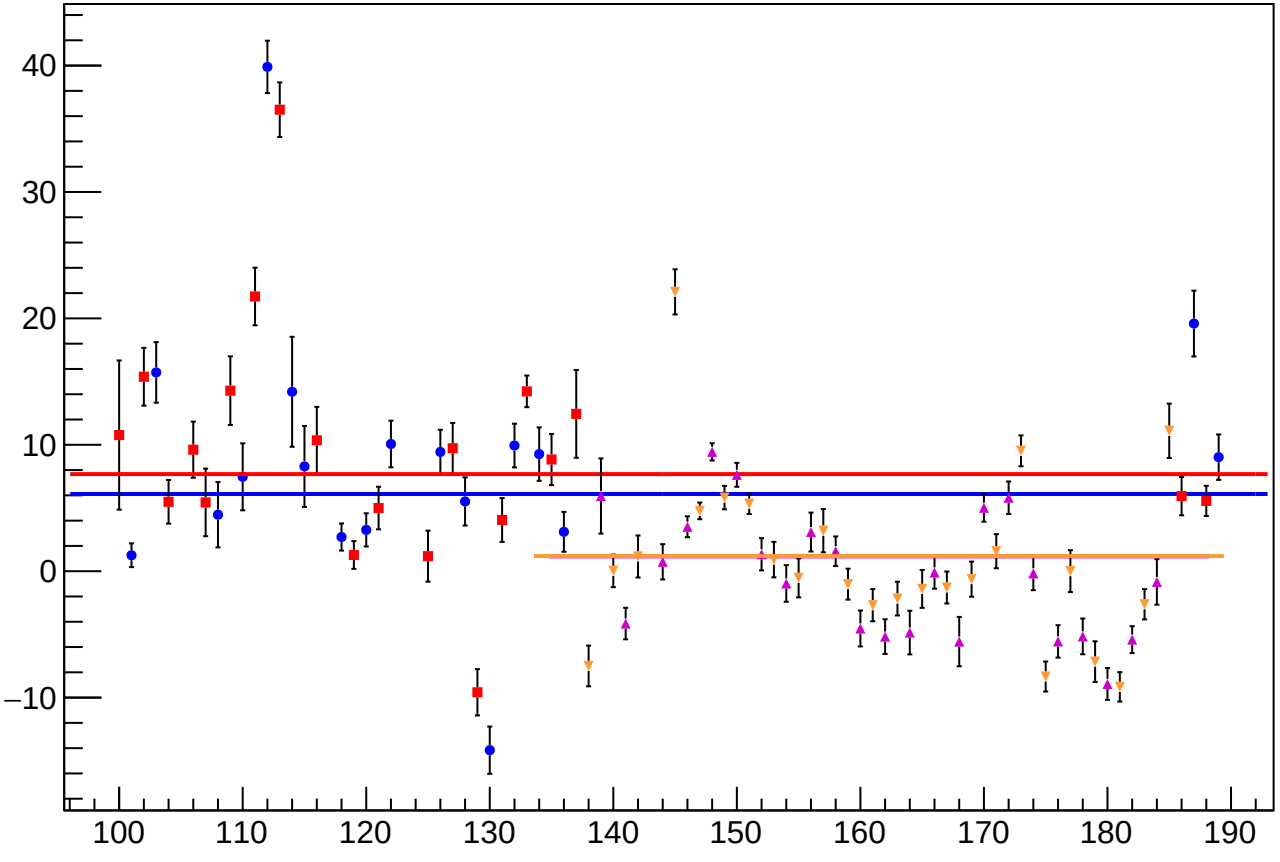
Left In: -62.290+/-0.331 $\chi^2$/NDF:2265.0/22

+ sign -64.426+/-0.320 $\chi^2$/NDF: 3512.2/25

All: -66.880+/-0.219 $\chi^2$/NDF: 8711.9/50

- sign -69.031+/-0.300 $\chi^2$/NDF: 5089.5/24

# reg_asym_us_avg_diff_bpm4aY_slope vs Slug




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

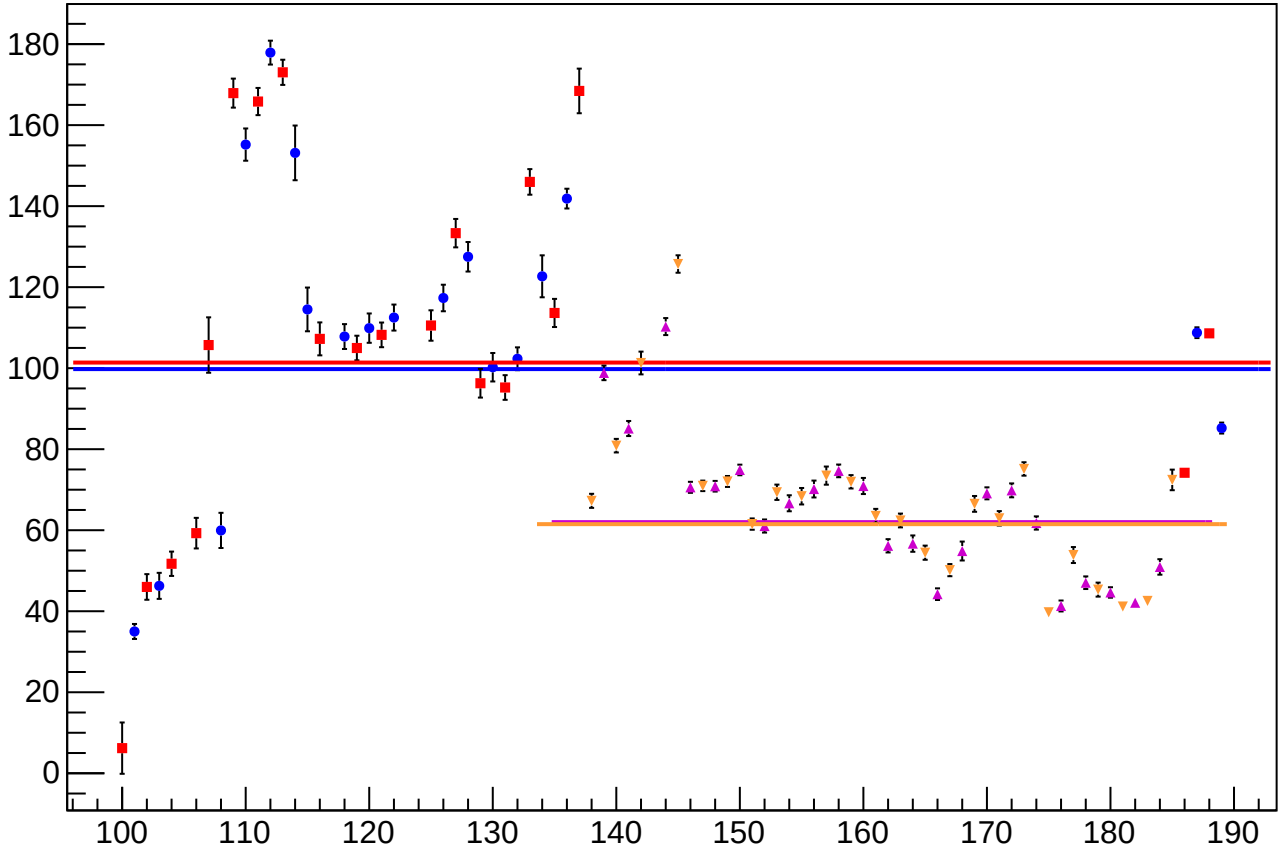
Left In: 1.171+/-0.255 $\chi^2$/NDF:466.2/22

+ sign 2.561+/-0.215 $\chi^2$/NDF: 1124.9/41

All: 2.776+/-0.152 $\chi^2$/NDF: 2189.3/84

- sign 2.994+/-0.216 $\chi^2$/NDF: 1062.4/42

# reg_asym_us_avg_diff_bpm4eX_slope vs Slug




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

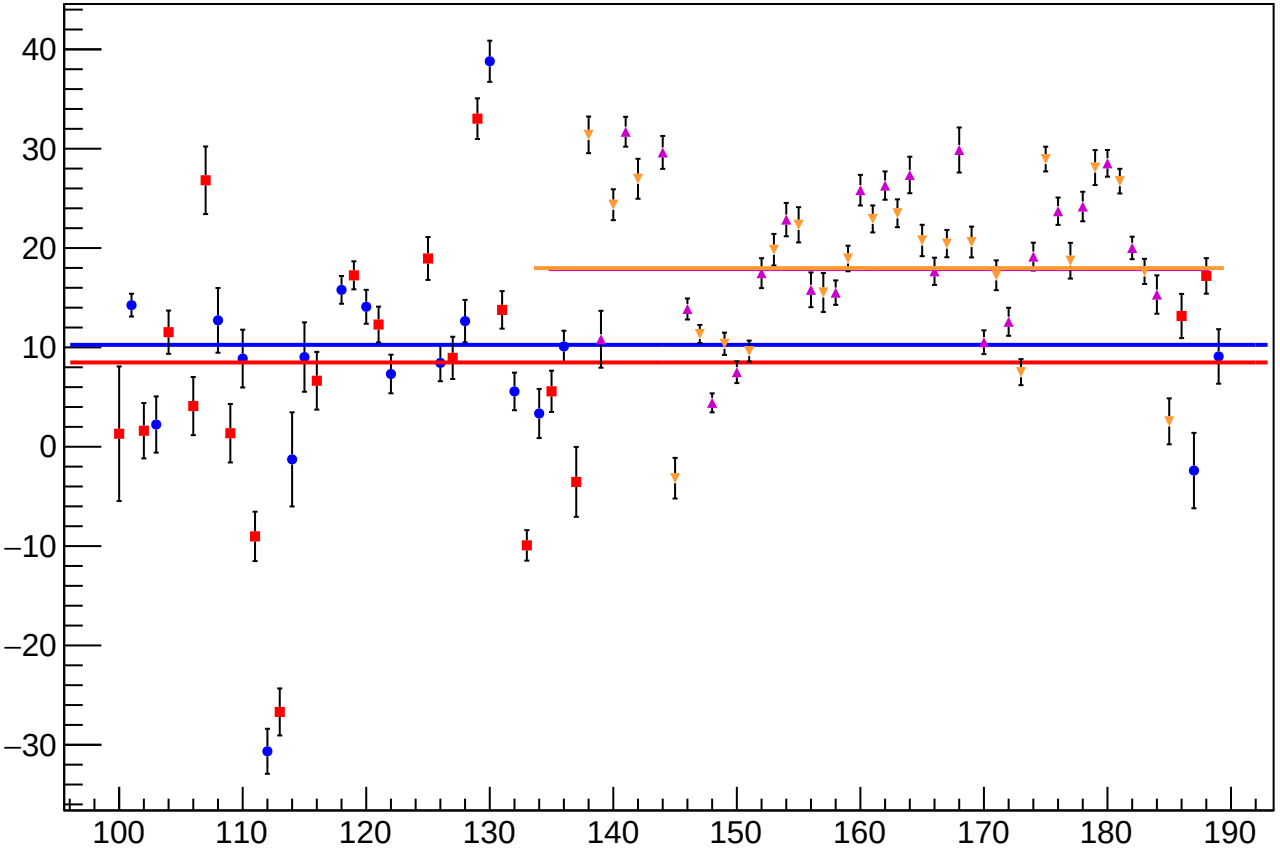
Left In: 61.995+/-0.329 $\chi^2$/NDF:2517.6/22

+ sign 70.155+/-0.292 $\chi^2$/NDF: 8757.6/41

All: 72.765+/-0.198 $\chi^2$/NDF: 19667.8/84

- sign 74.981+/-0.269 $\chi^2$/NDF: 10762.8/42

# reg_asym_us_avg_diff_bpm4eY_slope vs Slug




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

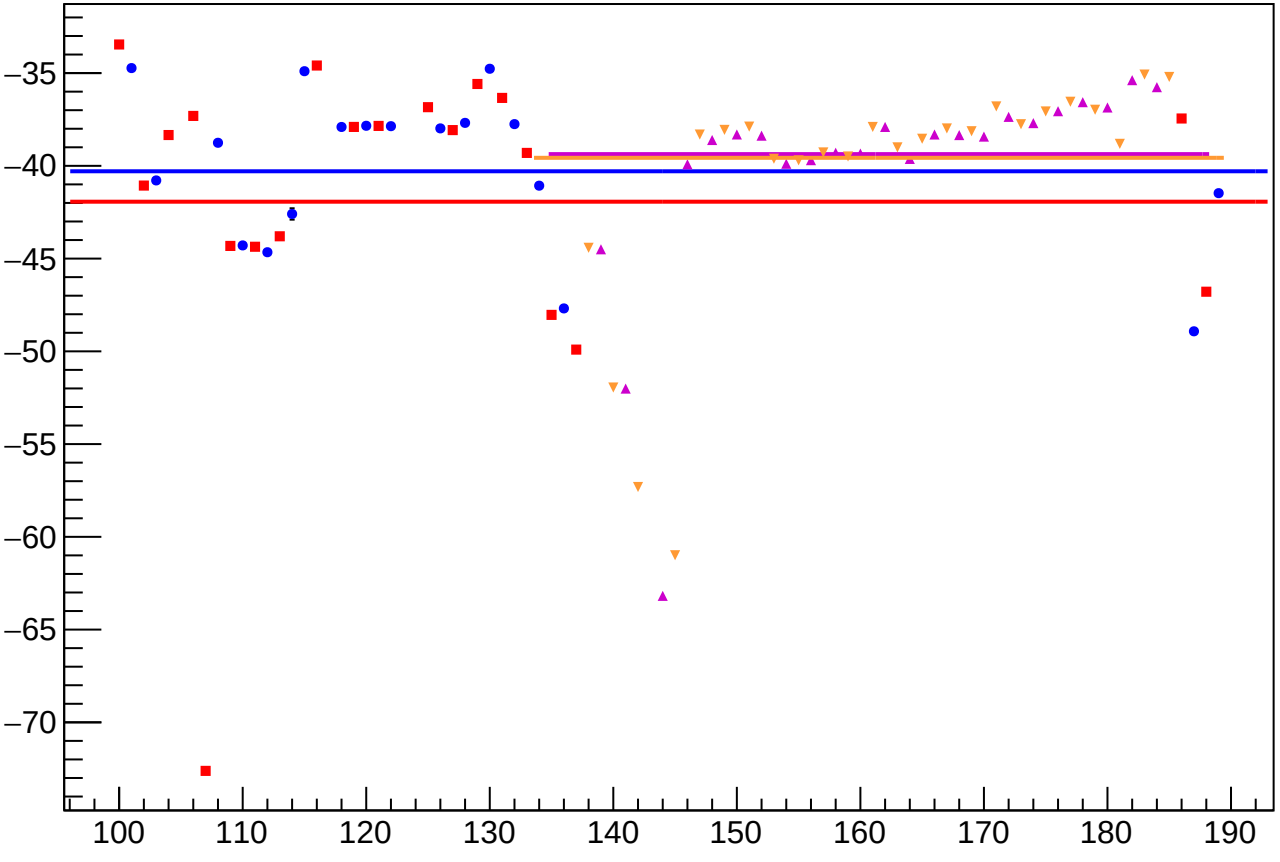
Left In: 17.881+/-0.292 $\chi^2$/NDF:730.9/22

+ sign 15.909+/-0.249 $\chi^2$/NDF: 1456.9/41

All: 15.670+/-0.177 $\chi^2$/NDF: 3182.0/84

- sign 15.427+/-0.251 $\chi^2$/NDF: 1723.2/42

# reg_asym_us_avg_diff_bpm12X_slope vs Slug




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

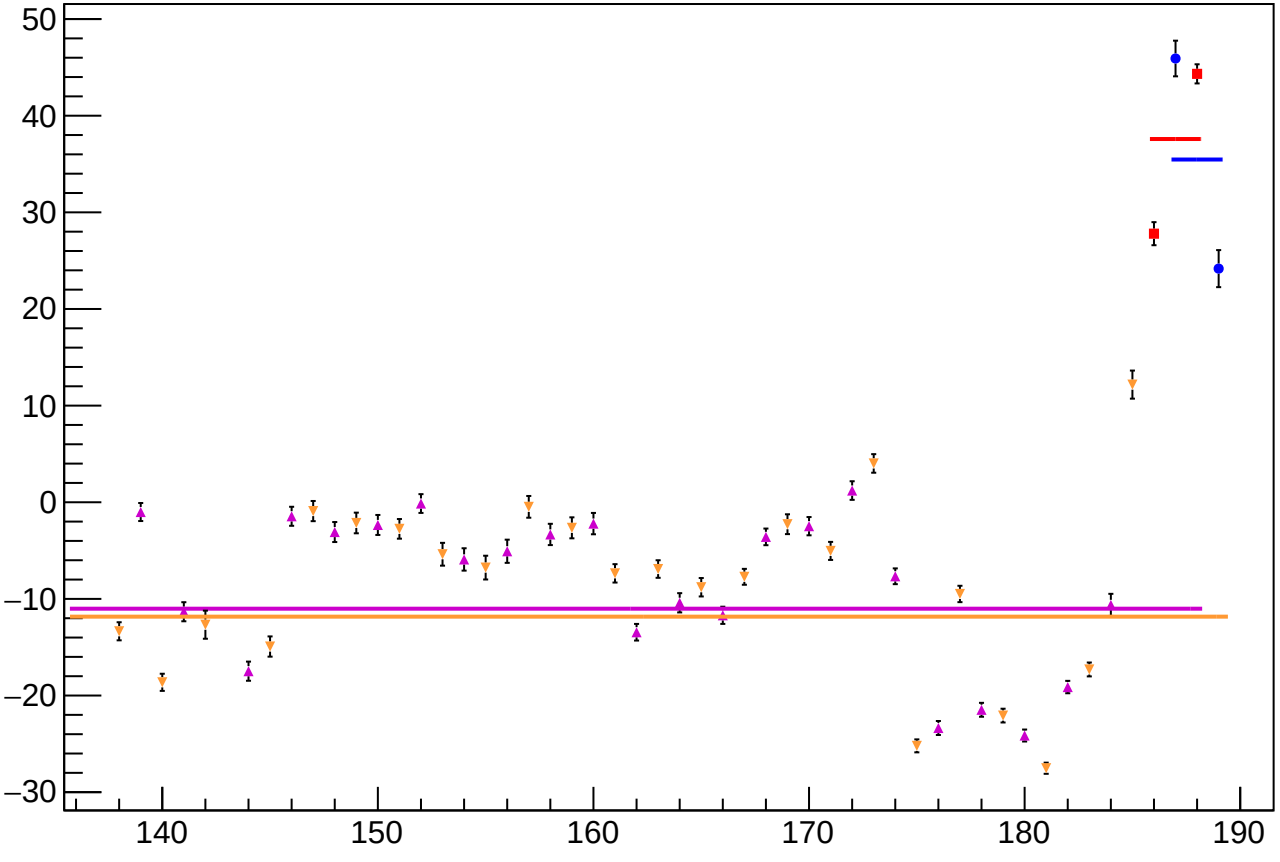
Left In: -39.368+/-0.014 $\chi^2$/NDF:117958.1/22

+ sign -39.714+/-0.012 $\chi^2$/NDF: 168609.7/41

All: -39.802+/-0.009 $\chi^2$/NDF: 359415.8/84

- sign -39.887+/-0.012 $\chi^2$/NDF: 190705.6/42

# reg_asym_us_dd_diff_bpm1X_slope vs Slug




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

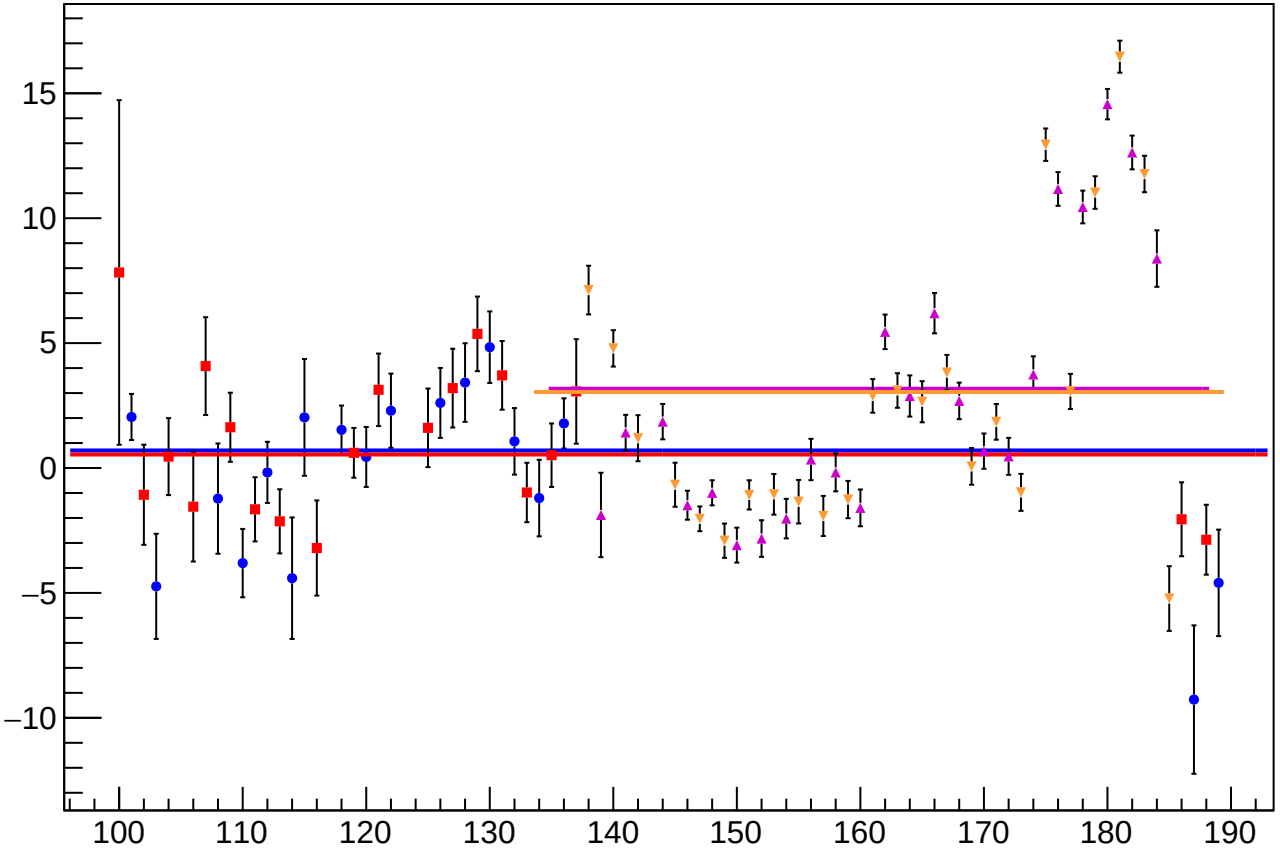
Left In: -11.014+/-0.187 $\chi^2$/NDF:2116.6/22

+ sign -10.921+/-0.185 $\chi^2$/NDF: 4050.8/25

All: -9.561+/-0.130 $\chi^2$/NDF: 10224.3/50

- sign -8.249+/-0.182 $\chi^2$/NDF: 6067.3/24

# reg_asym_us_dd_diff_bpm4aY_slope vs Slug




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

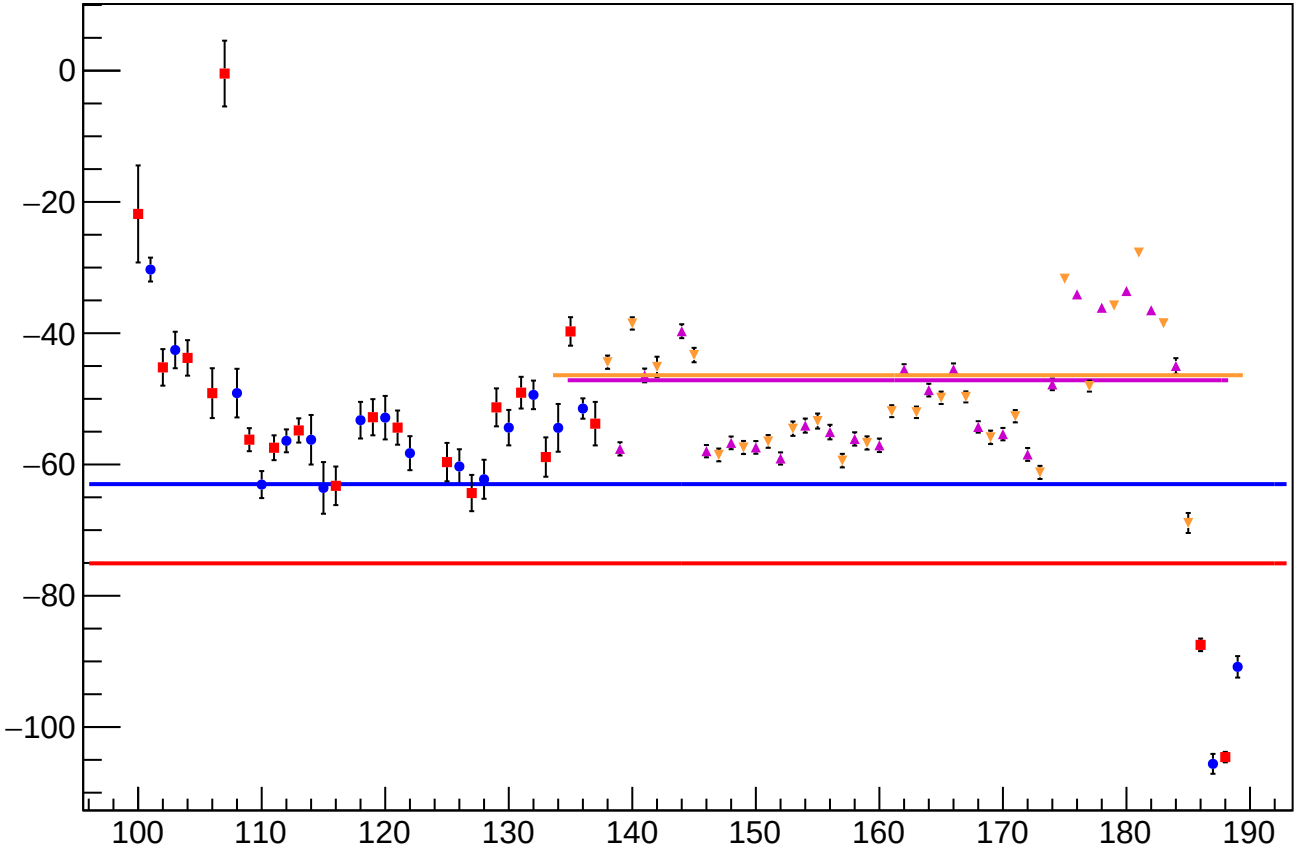
Left In: 3.172+/-0.150 $\chi^2$/NDF:1297.9/22

+ sign 2.655+/-0.135 $\chi^2$/NDF: 1555.0/41

All: 2.693+/-0.096 $\chi^2$/NDF: 2956.9/84

- sign 2.733+/-0.136 $\chi^2$/NDF: 1401.7/42

# reg_asym_us_dd_diff_bpm4eX_slope vs Slug




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

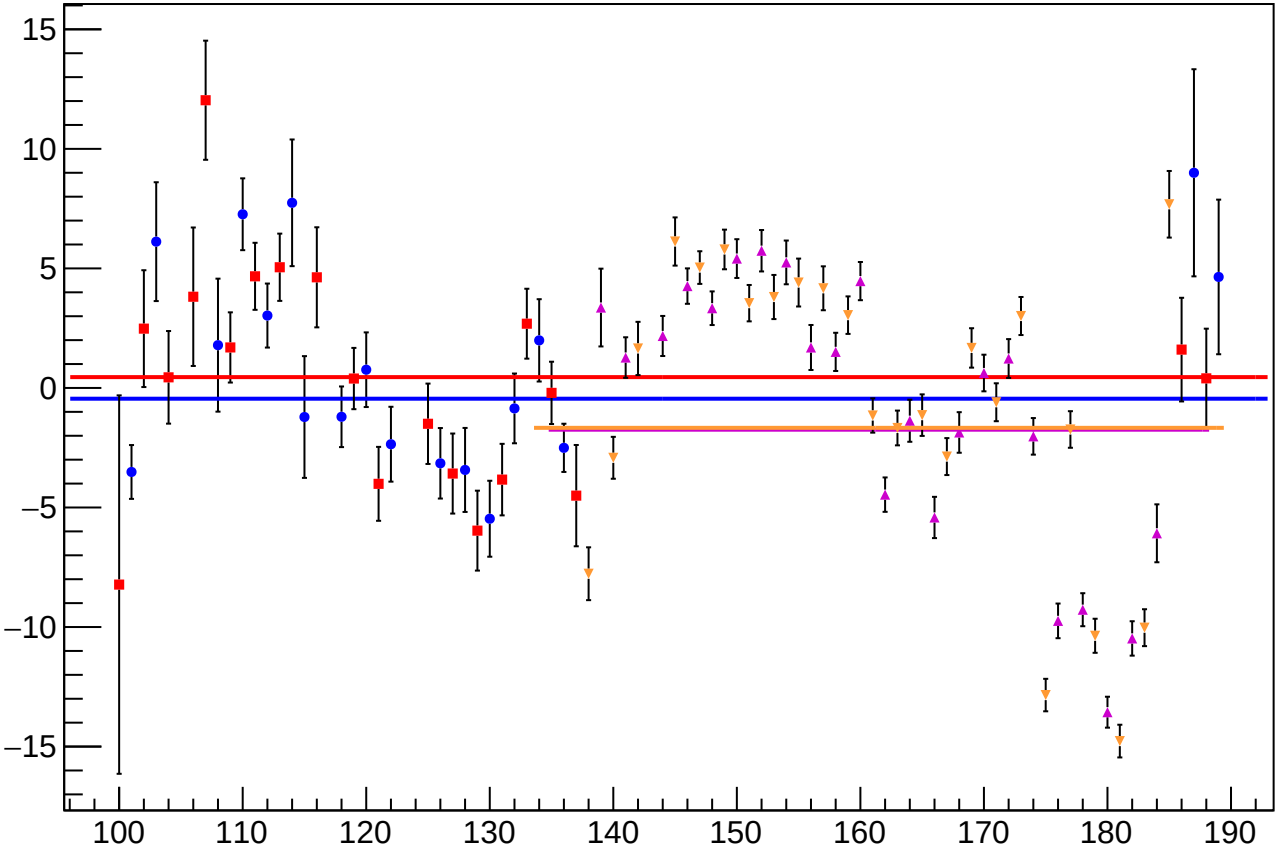
Left In: -47.170+/-0.186 $\chi^2$/NDF:2526.3/22

+ sign -48.190+/-0.176 $\chi^2$/NDF: 5768.9/41

All: -49.895+/-0.123 $\chi^2$/NDF: 15091.0/84

- sign -51.509+/-0.171 $\chi^2$/NDF: 9139.9/42

# reg_asym_us_dd_diff_bpm4eY_slope vs Slug




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

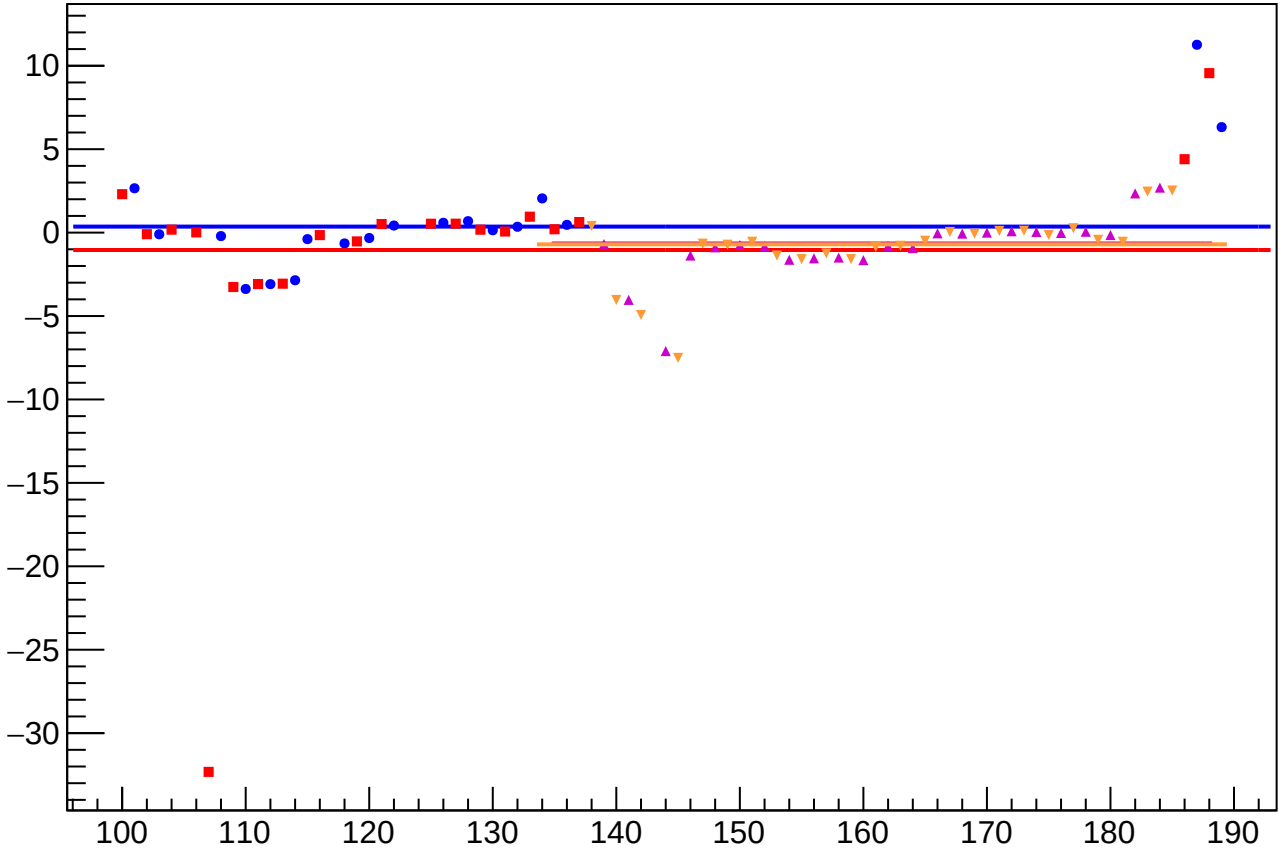
Left In: -1.746+/-0.168 $\chi^2$/NDF:1254.1/22

+ sign -1.471+/-0.153 $\chi^2$/NDF: 1577.9/41

All: -1.433+/-0.109 $\chi^2$/NDF: 2955.5/84

- sign -1.395+/-0.154 $\chi^2$/NDF: 1377.4/42

# reg_asym_us_dd_diff_bpm12X_slope vs Slug




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

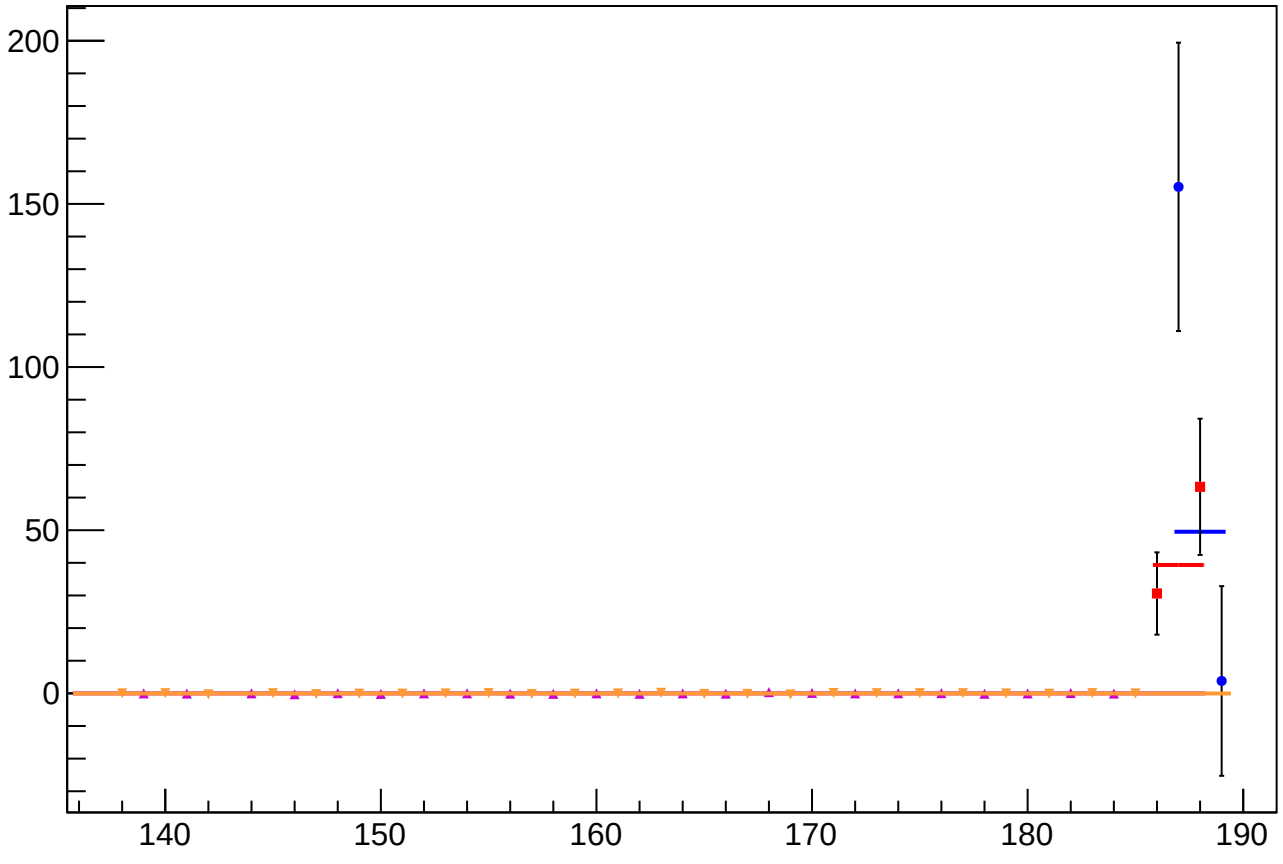
Left In: -0.651+/-0.008 $\chi^2$/NDF:44167.1/22

+ sign -0.580+/-0.007 $\chi^2$/NDF: 65279.3/41

All: -0.638+/-0.005 $\chi^2$/NDF: 200423.9/84

- sign -0.697+/-0.007 $\chi^2$/NDF: 135012.4/42

# reg_asym_ds_avg_diff_bpm1X_slope vs Slug




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

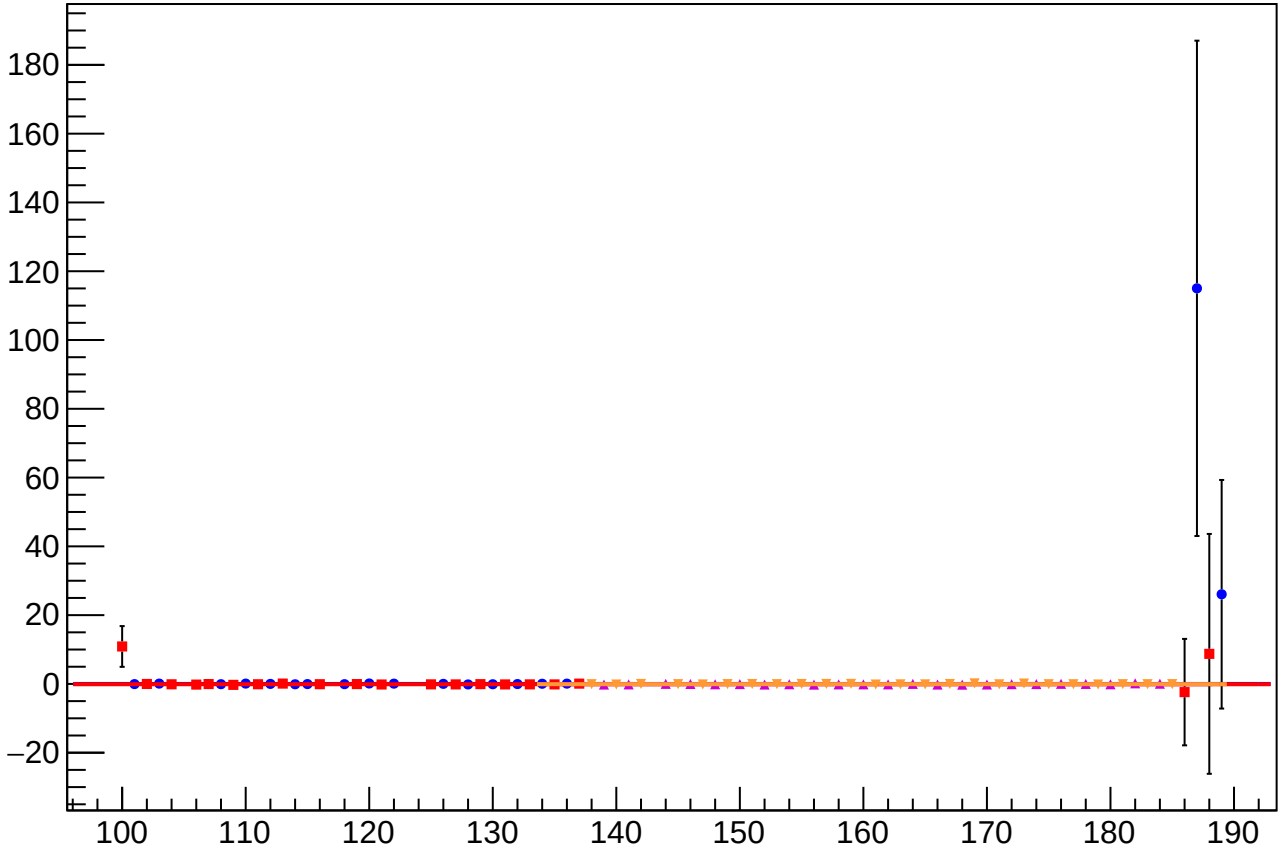
Left In: -0.009+/-0.018 $\chi^2$/NDF:35.3/22

+ sign -0.038+/-0.018 $\chi^2$/NDF: 48.0/25

All: -0.024+/-0.013 $\chi^2$/NDF: 99.6/50

- sign -0.009+/-0.018 $\chi^2$/NDF: 50.4/24

# reg_asym_ds_avg_diff_bpm4aY_slope vs Slug




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

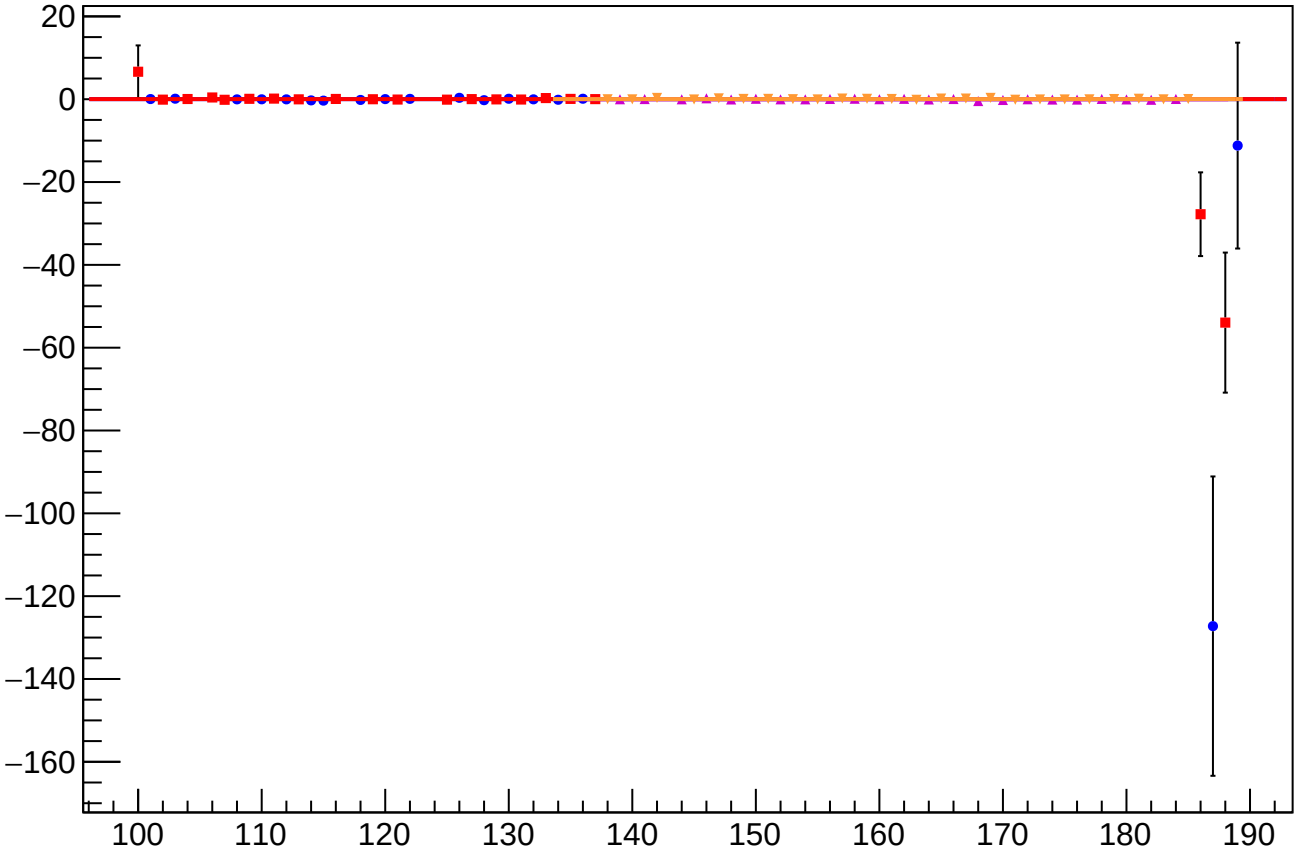
Left In: -0.065+/-0.014 $\chi^2$/NDF:40.4/22

+ sign -0.057+/-0.012 $\chi^2$/NDF: 48.1/41

All: -0.064+/-0.009 $\chi^2$/NDF: 102.8/84

- sign -0.072+/-0.012 $\chi^2$/NDF: 54.0/42

# reg_asym_ds_avg_diff_bpm4eX_slope vs Slug




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

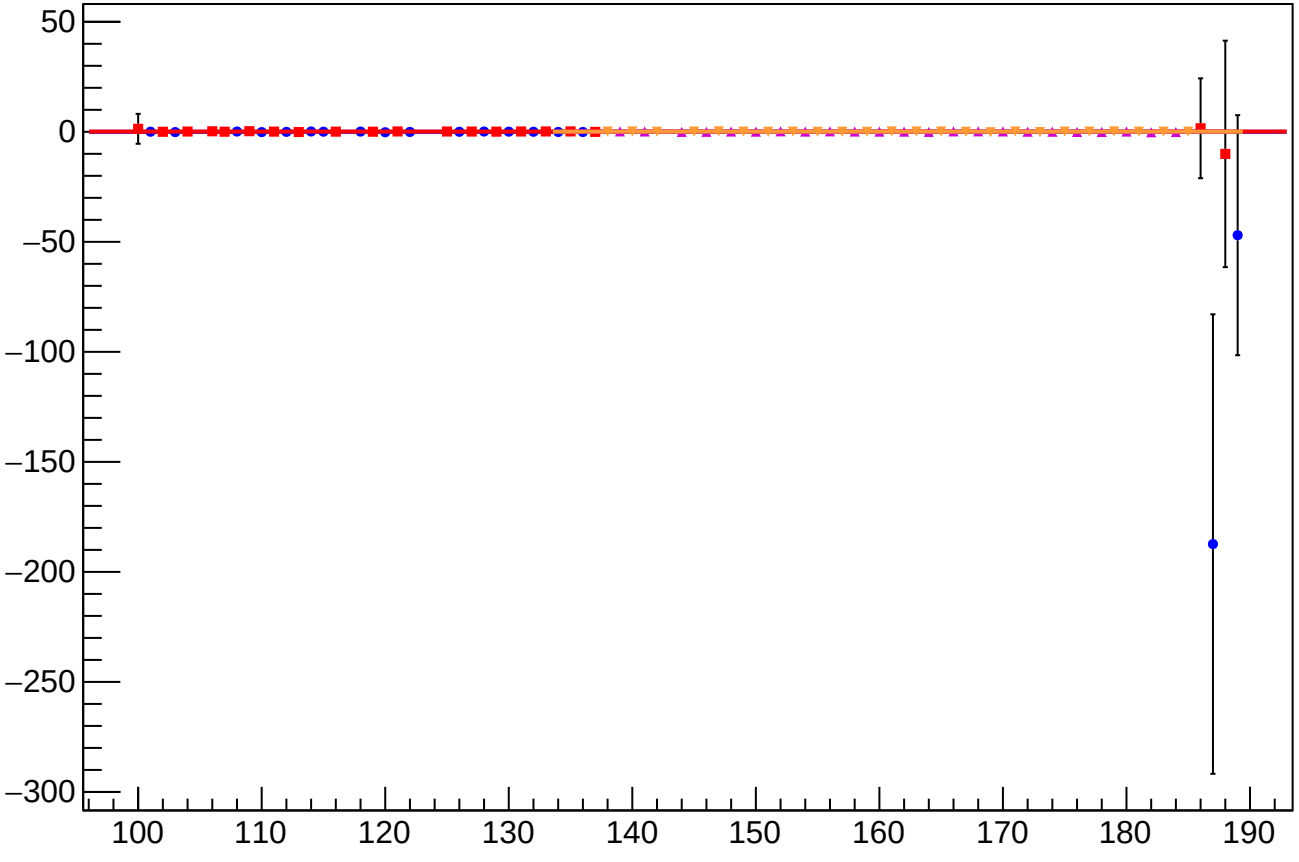
Left In: -0.010+/-0.018 $\chi^2$/NDF:37.1/22

+ sign 0.033+/-0.017 $\chi^2$/NDF: 54.8/41

All: 0.014+/-0.012 $\chi^2$/NDF: 122.1/84

- sign -0.005+/-0.017 $\chi^2$/NDF: 64.7/42

# reg_asym_ds_avg_diff_bpm4eY_slope vs Slug




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

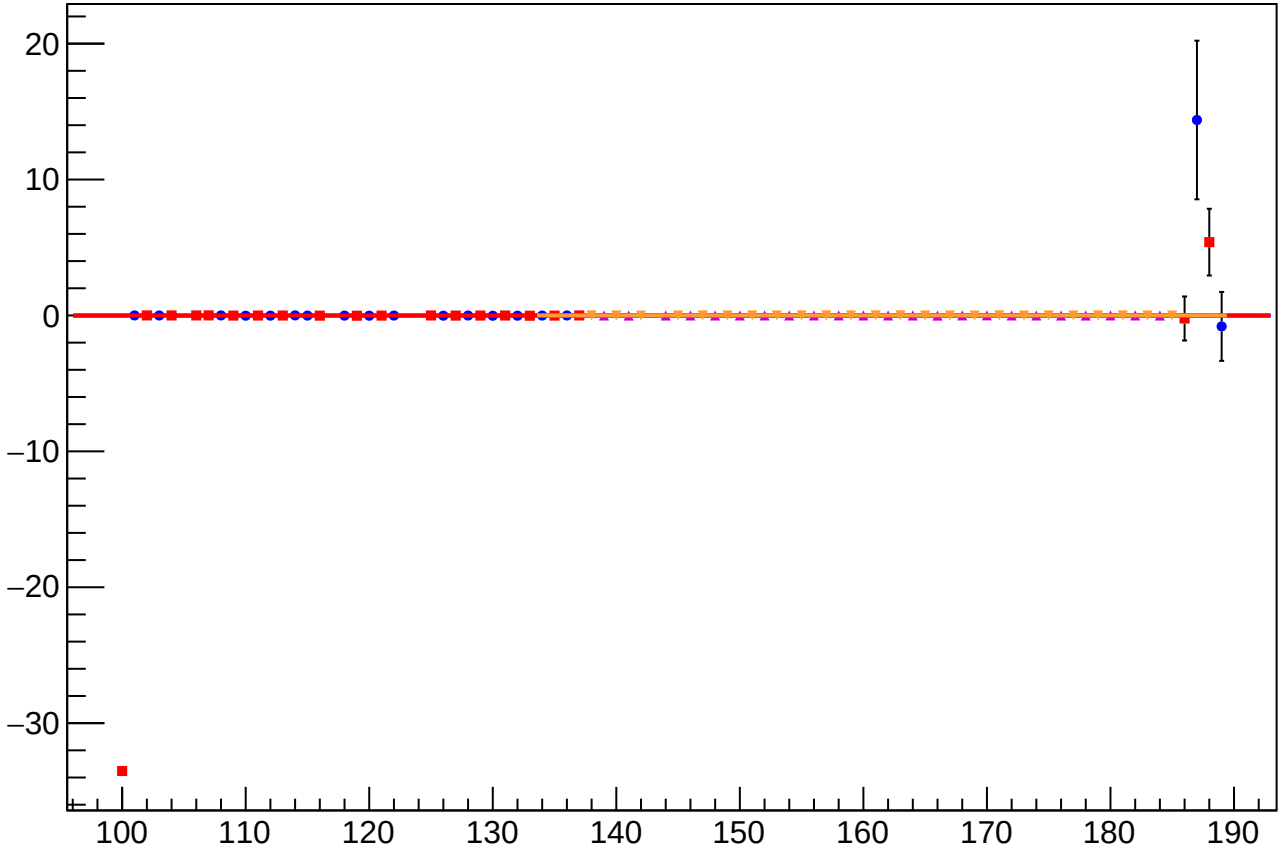
Left In: 0.071+/-0.016 $\chi^2$/NDF:44.0/22

+ sign 0.065+/-0.014 $\chi^2$/NDF: 50.2/41

All: 0.073+/-0.010 $\chi^2$/NDF: 104.2/84

- sign 0.081+/-0.014 $\chi^2$/NDF: 53.3/42

# reg_asym_ds_avg_diff_bpm12X_slope vs Slug




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

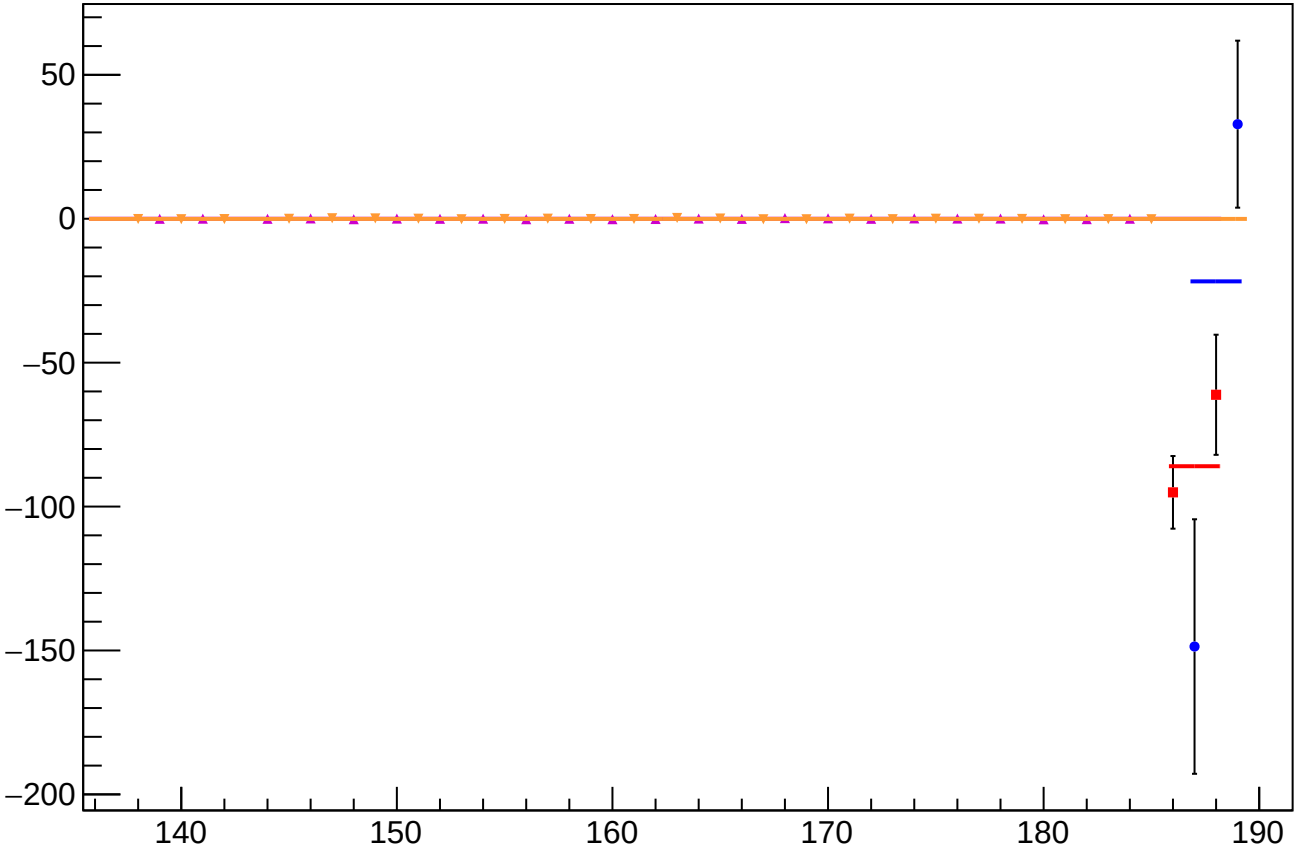
Left In: 0.000+/-0.001 $\chi^2$/NDF:22.4/22

+ sign -0.001+/-0.001 $\chi^2$/NDF: 65.7/41

All: -0.001+/-0.000 $\chi^2$/NDF: 26615.8/84

- sign -0.001+/-0.001 $\chi^2$/NDF: 26550.0/42

# reg_asym_ds_dd_diff_bpm1X_slope vs Slug




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

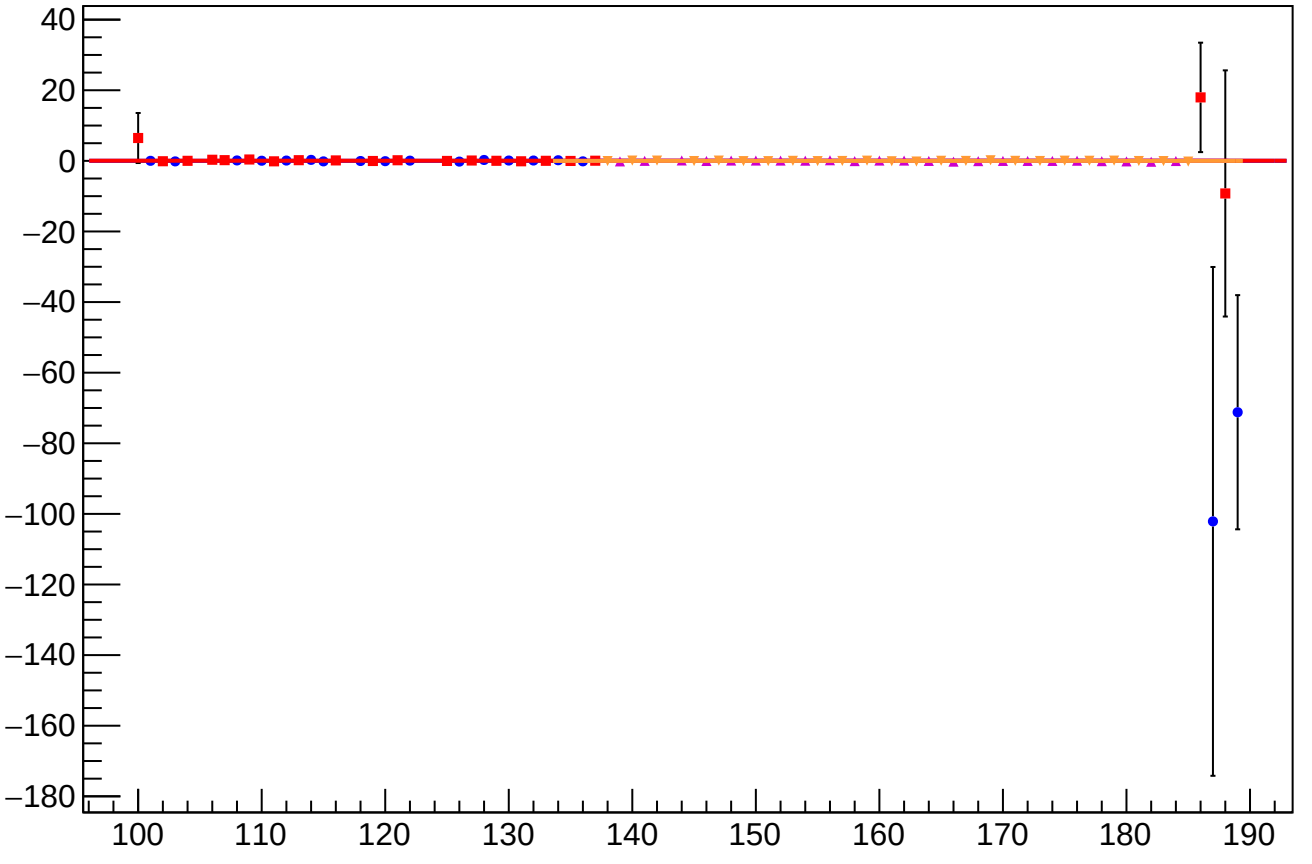
Left In: -0.010+/-0.018 $\chi^2$/NDF:33.3/22

+ sign -0.052+/-0.018 $\chi^2$/NDF: 49.9/25

All: -0.031+/-0.013 $\chi^2$/NDF: 151.2/50

- sign -0.010+/-0.018 $\chi^2$/NDF: 98.6/24

# reg_asym_ds_dd_diff_bpm4aY_slope vs Slug




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

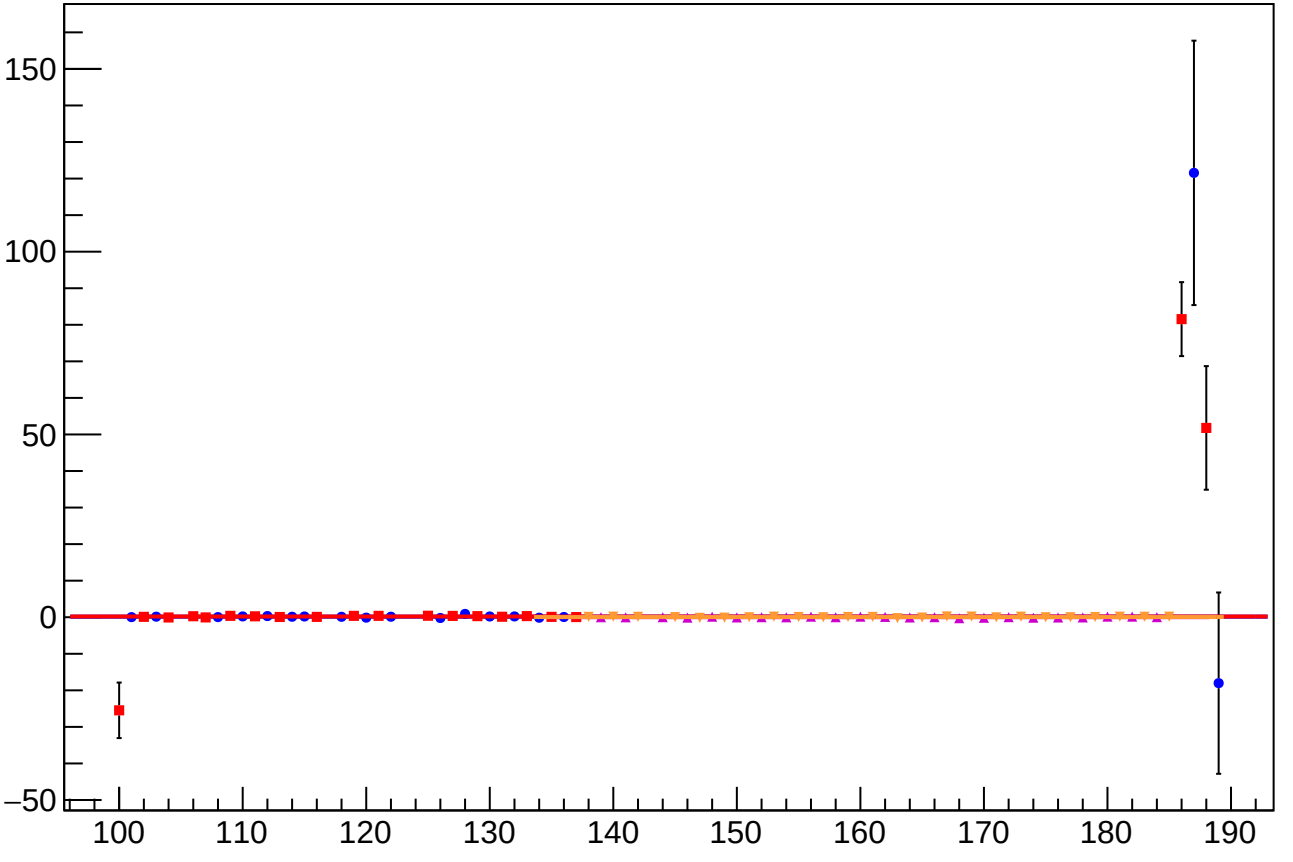
Left In: 0.004+/-0.014 $\chi^2$/NDF:50.3/22

+ sign -0.005+/-0.012 $\chi^2$/NDF: 62.1/41

All: 0.004+/-0.009 $\chi^2$/NDF: 144.4/84

- sign 0.013+/-0.012 $\chi^2$/NDF: 81.3/42

# reg_asym_ds_dd_diff_bpm4eX_slope vs Slug




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

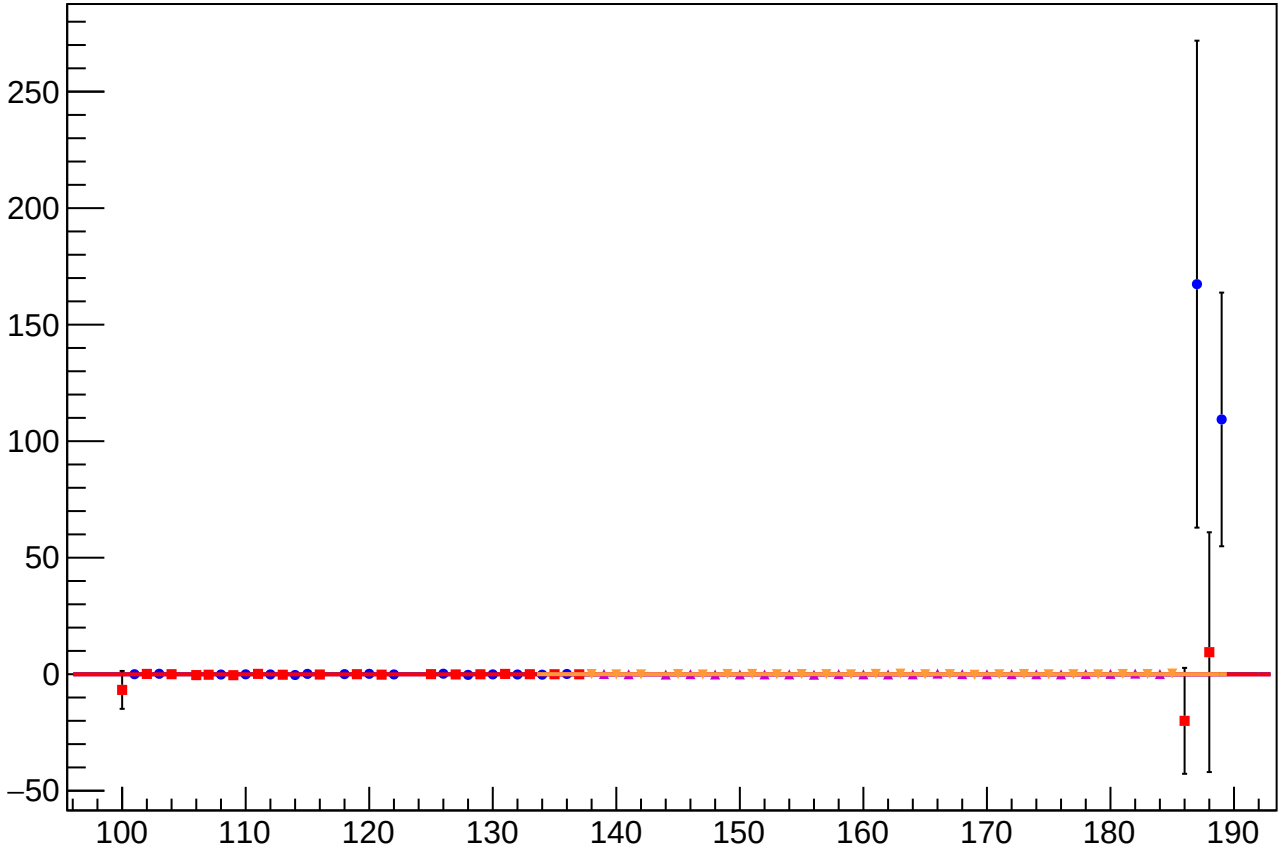
Left In: 0.021+/-0.018 $\chi^2$/NDF:34.0/22

+ sign 0.063+/-0.017 $\chi^2$/NDF: 81.0/41

All: 0.055+/-0.012 $\chi^2$/NDF: 226.4/84

- sign 0.046+/-0.017 $\chi^2$/NDF: 144.8/42

# reg_asym_ds_dd_diff_bpm4eY_slope vs Slug




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

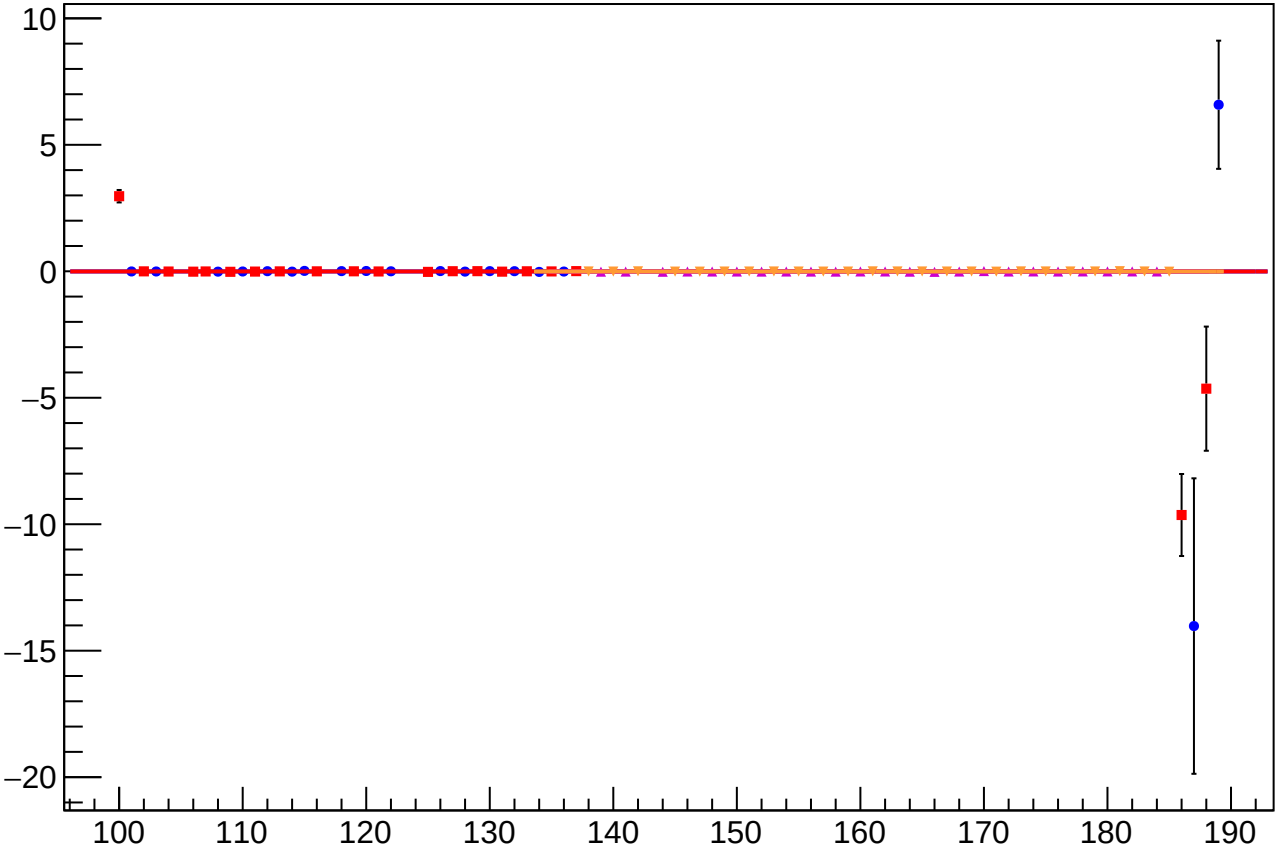
Left In: 0.007+/-0.016 $\chi^2$/NDF:50.7/22

+ sign 0.012+/-0.014 $\chi^2$/NDF: 66.1/41

All: 0.003+/-0.010 $\chi^2$/NDF: 147.3/84

- sign -0.007+/-0.014 $\chi^2$/NDF: 80.2/42

# reg_asym_ds_dd_diff_bpm12X_slope vs Slug




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

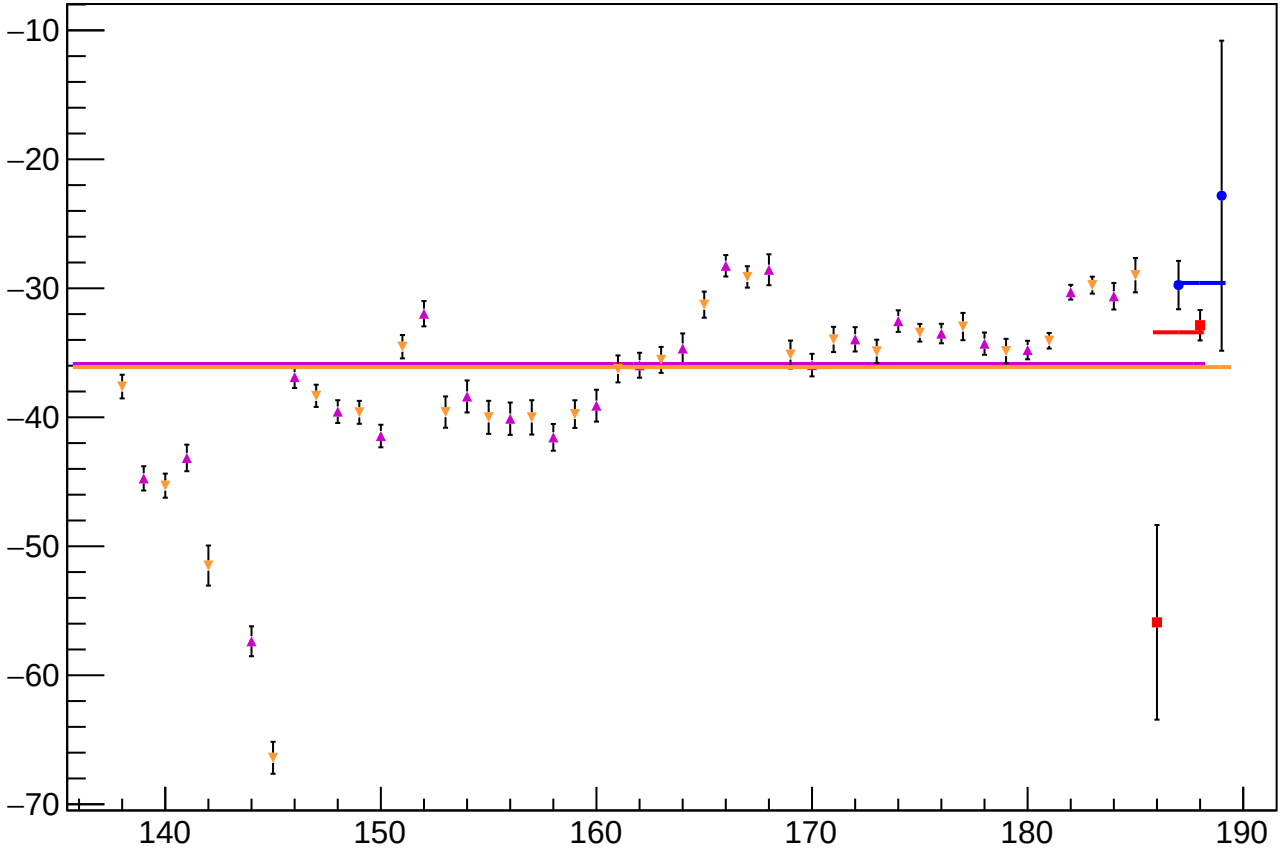
Left In: -0.009+/-0.001 $\chi^2$/NDF:39.2/22

+ sign -0.008+/-0.001 $\chi^2$/NDF: 75.2/41

All: -0.008+/-0.000 $\chi^2$/NDF: 322.2/84

- sign -0.008+/-0.001 $\chi^2$/NDF: 246.7/42

# reg_asym_left_avg_diff_bpm1X_slope vs Slug




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

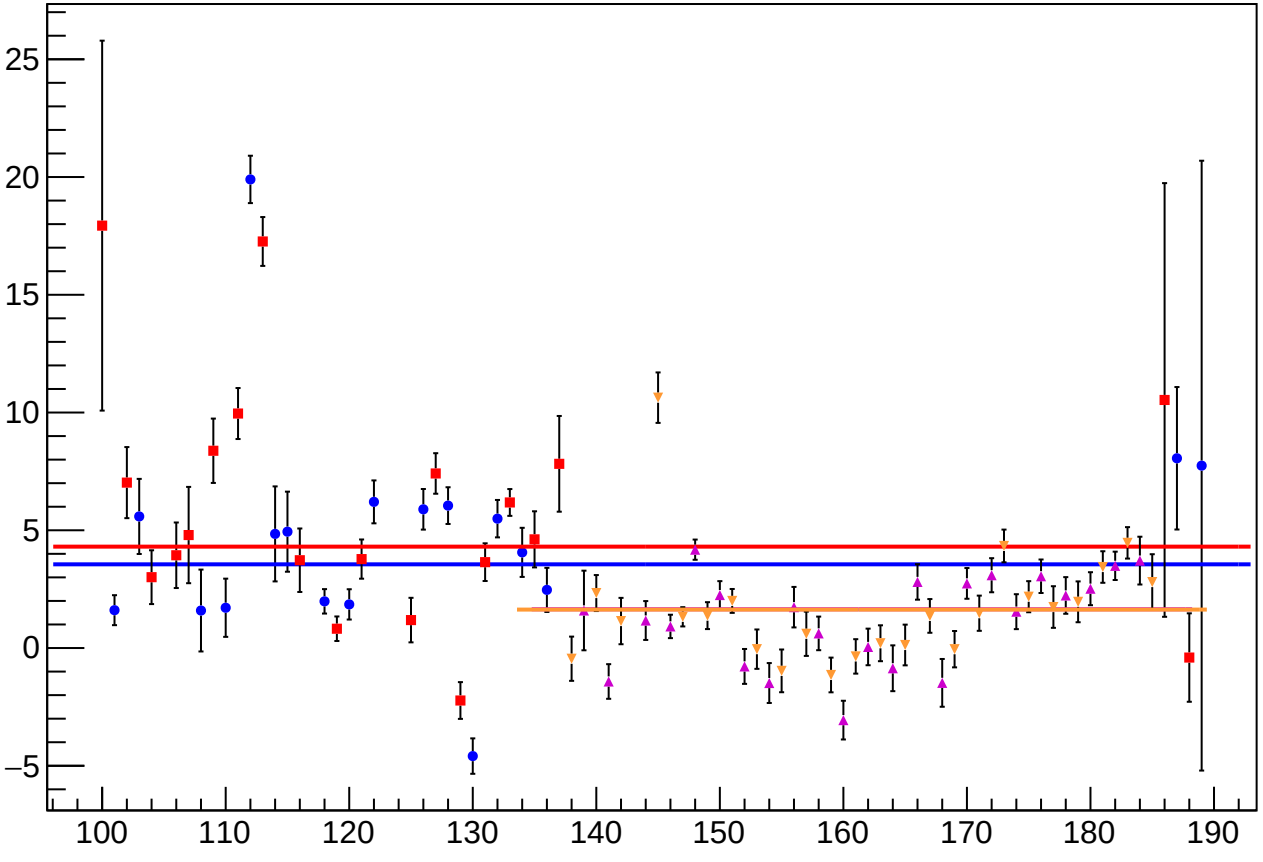
Left In: -35.869+/-0.191 $\chi^2$/NDF:887.1/22

+ sign -36.041+/-0.191 $\chi^2$/NDF: 1131.0/25

All: -35.921+/-0.134 $\chi^2$/NDF: 2032.3/50

- sign -35.805+/-0.188 $\chi^2$/NDF: 900.5/24

# reg_asym_left_avg_diff_bpm4aY_slope vs Slug




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

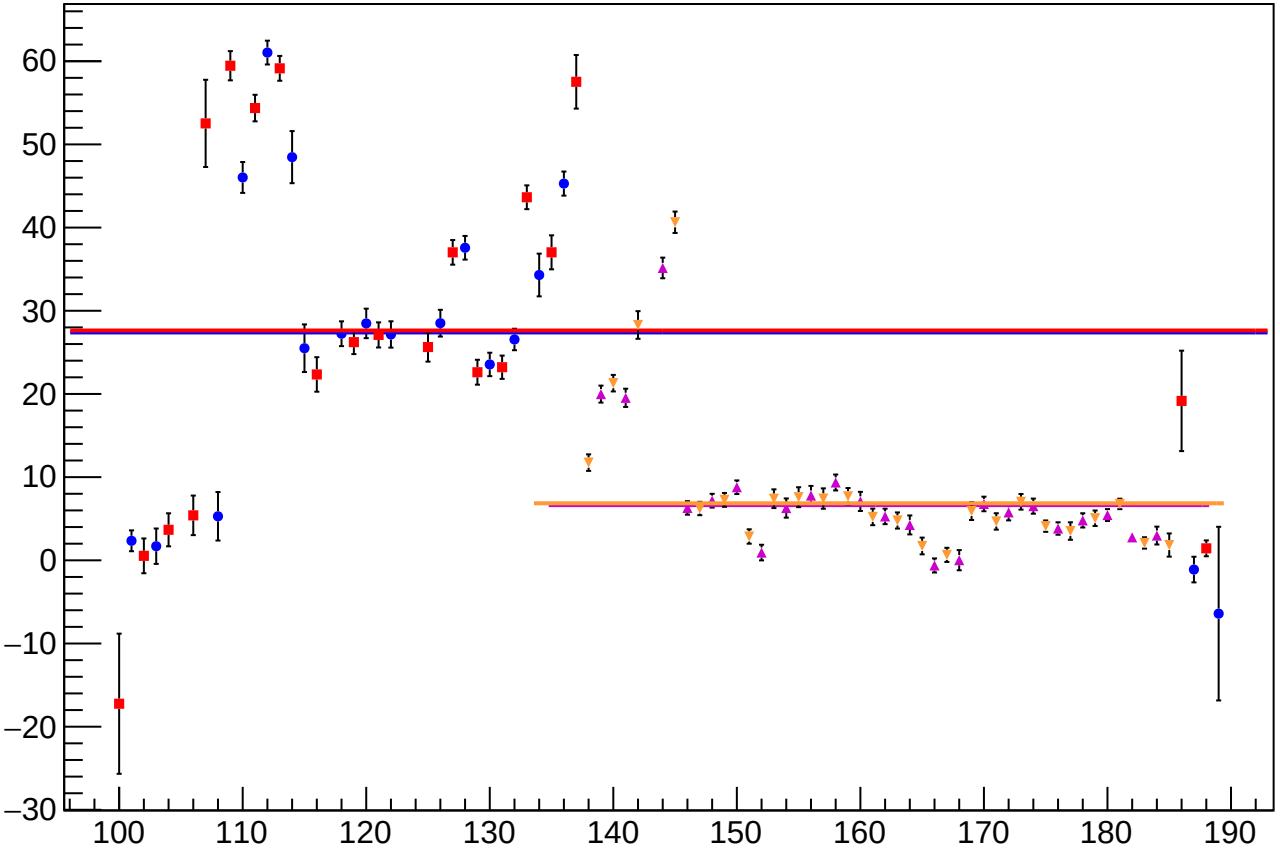
Left In: 1.646+/-0.149 $\chi^2$/NDF:164.1/22

+ sign 2.242+/-0.122 $\chi^2$/NDF: 669.3/41

All: 2.351+/-0.087 $\chi^2$/NDF: 1293.5/84

- sign 2.464+/-0.124 $\chi^2$/NDF: 622.6/42

# reg_asym_left_avg_diff_bpm4eX_slope vs Slug




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

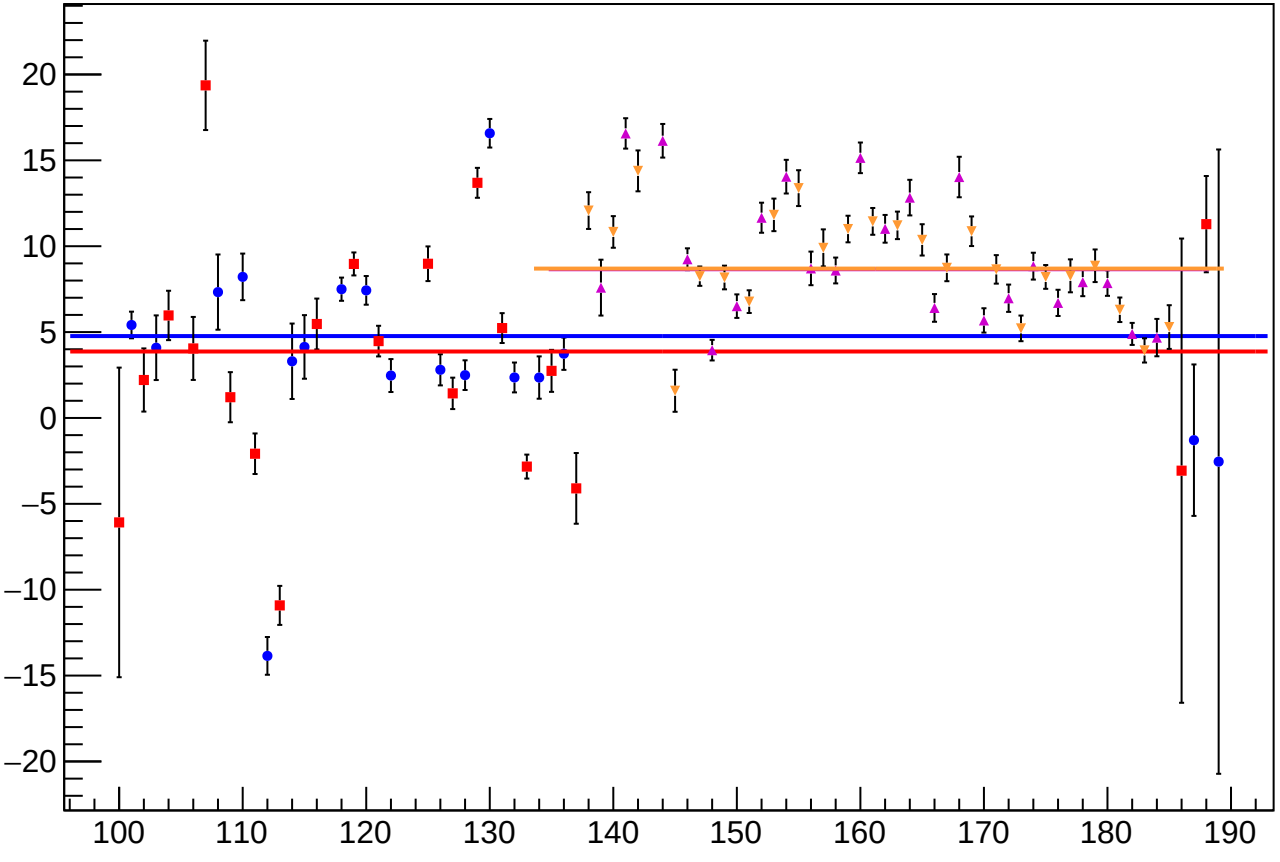
Left In: 6.639+/-0.190 $\chi^2$/NDF:1077.2/22

+ sign 10.650+/-0.173 $\chi^2$/NDF: 5301.1/41

All: 10.690+/-0.121 $\chi^2$/NDF: 11327.4/84

- sign 10.728+/-0.170 $\chi^2$/NDF: 6026.2/42

# reg_asym_left_avg_diff_bpm4eY_slope vs Slug




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

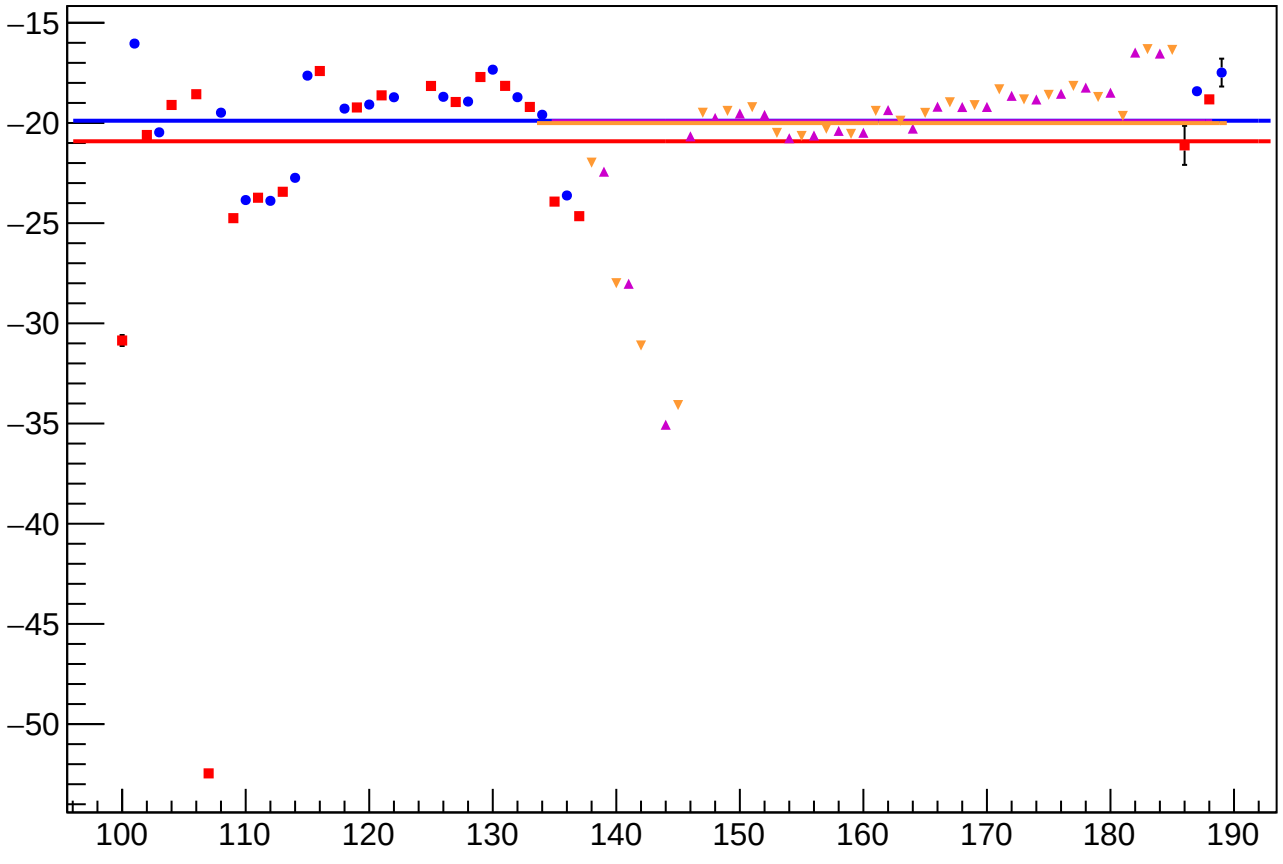
Left In: 8.659+/-0.170 $\chi^2$/NDF:438.0/22

+ sign 7.470+/-0.140 $\chi^2$/NDF: 965.9/41

All: 7.342+/-0.100 $\chi^2$/NDF: 2221.5/84

- sign 7.210+/-0.142 $\chi^2$/NDF: 1253.8/42

# reg_asym_left_avg_diff_bpm12X_slope vs Slug




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

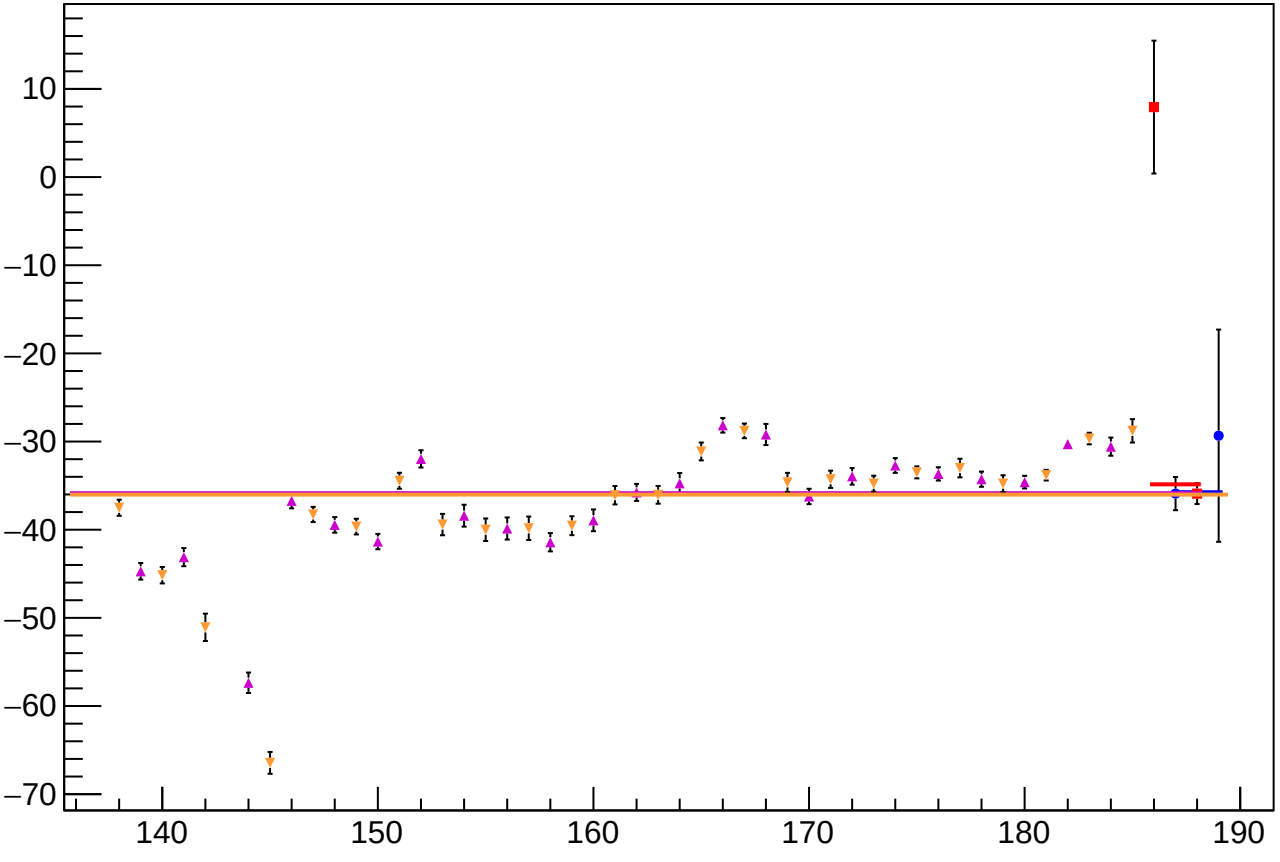
Left In: -19.912+/-0.008 $\chi^2$/NDF:145487.3/22

+ sign -19.983+/-0.007 $\chi^2$/NDF: 197814.5/41

All: -20.048+/-0.005 $\chi^2$/NDF: 441043.0/84

- sign -20.113+/-0.007 $\chi^2$/NDF: 243056.1/42

# reg_asym_left_dd_diff_bpm1X_slope vs Slug




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

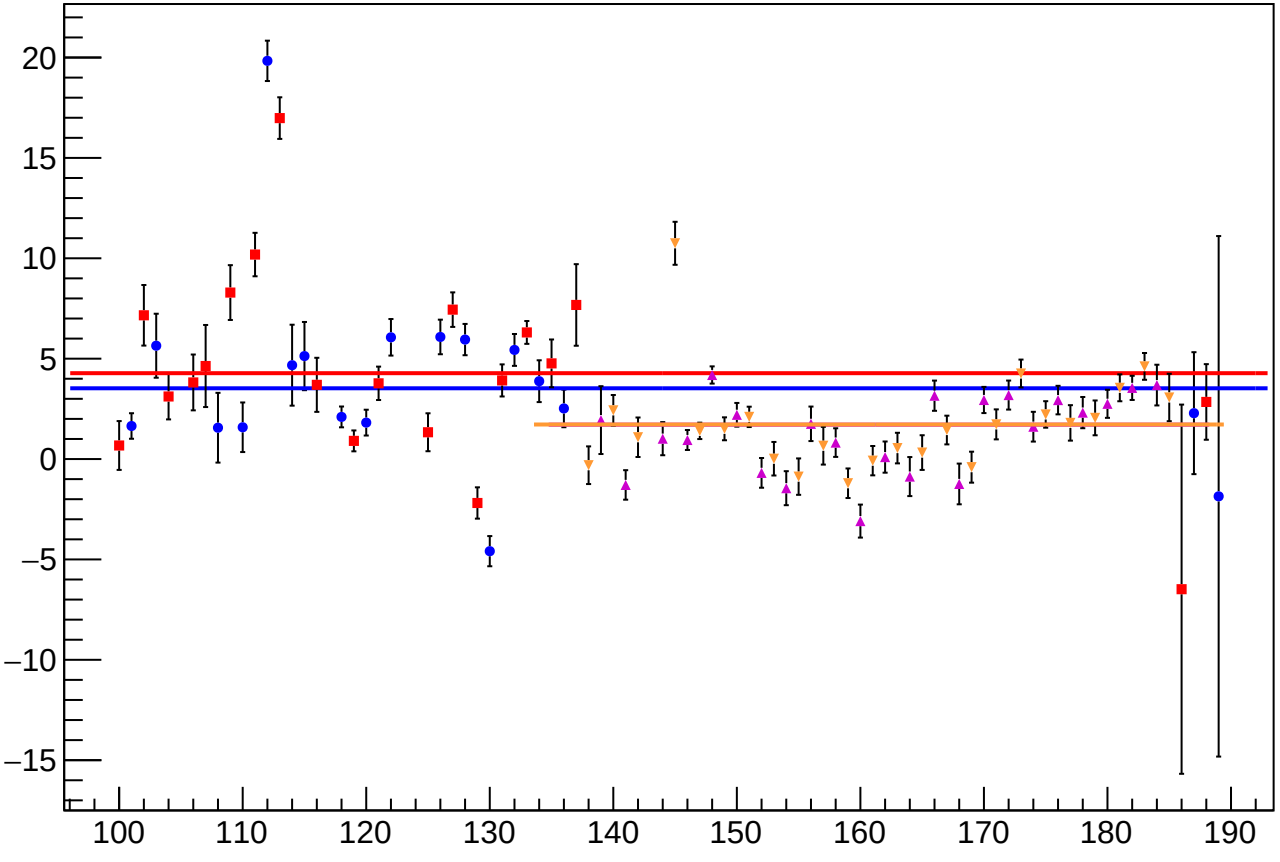
Left In: -35.856+/-0.191 $\chi^2$/NDF:875.9/22

+ sign -36.016+/-0.191 $\chi^2$/NDF: 1125.7/25

All: -35.922+/-0.134 $\chi^2$/NDF: 2035.8/50

- sign -35.830+/-0.188 $\chi^2$/NDF: 909.6/24

# reg_asym_left_dd_diff_bpm4aY_slope vs Slug




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

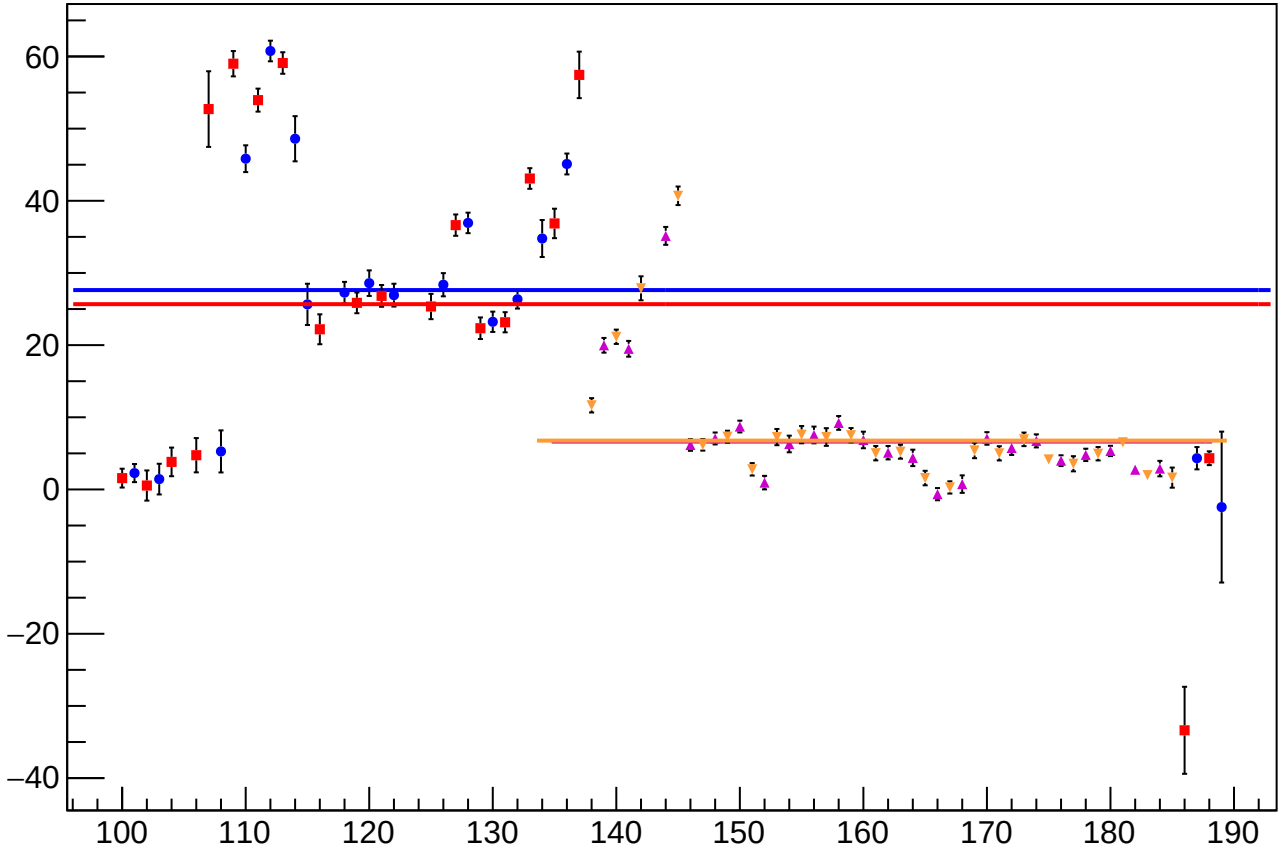
Left In: 1.712+/-0.149 $\chi^2$/NDF:164.1/22

+ sign 2.293+/-0.122 $\chi^2$/NDF: 659.2/41

All: 2.405+/-0.087 $\chi^2$/NDF: 1272.9/84

- sign 2.519+/-0.123 $\chi^2$/NDF: 612.0/42

# reg_asym_left_dd_diff_bpm4eX_slope vs Slug




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

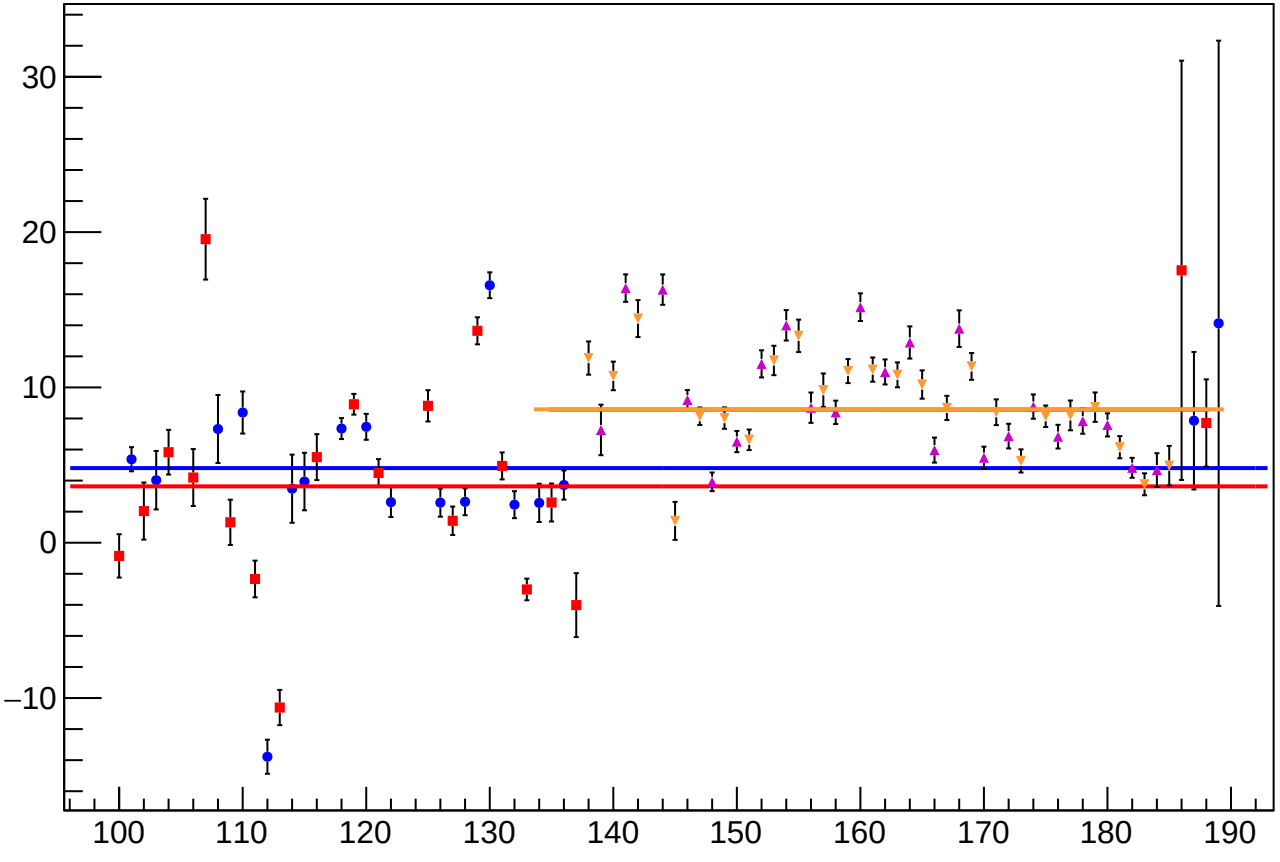
Left In: 6.635+/-0.190 $\chi^2$/NDF:1070.4/22

+ sign 10.620+/-0.173 $\chi^2$/NDF: 5240.0/41

All: 10.606+/-0.121 $\chi^2$/NDF: 11230.2/84

- sign 10.592+/-0.169 $\chi^2$/NDF: 5990.1/42

# reg_asym_left_dd_diff_bpm4eY_slope vs Slug




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

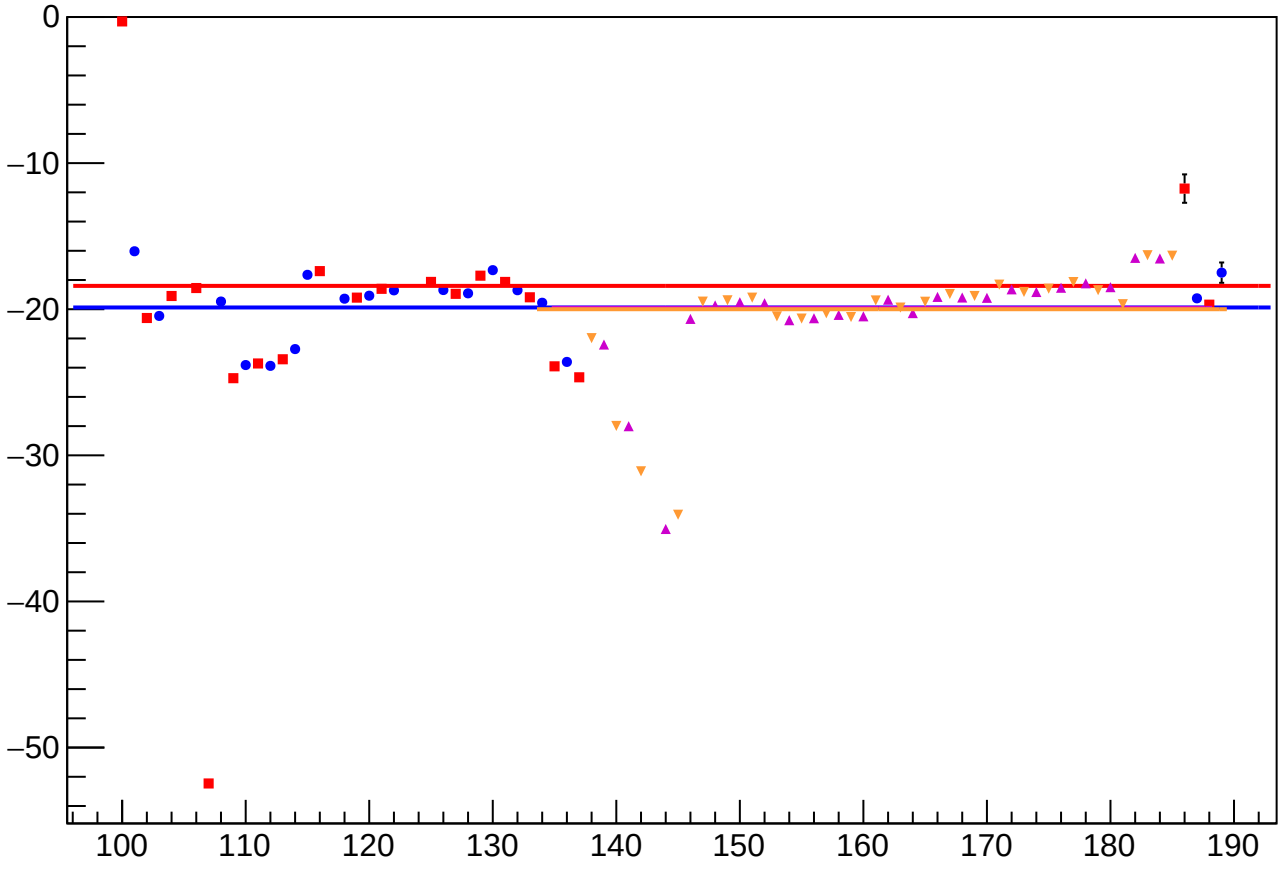
Left In: 8.573+/-0.170 $\chi^2$/NDF:443.4/22

+ sign 7.408+/-0.140 $\chi^2$/NDF: 953.0/41

All: 7.227+/-0.099 $\chi^2$/NDF: 2239.1/84

- sign 7.043+/-0.141 $\chi^2$/NDF: 1282.8/42

# reg_asym_left_dd_diff_bpm12X_slope vs Slug




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

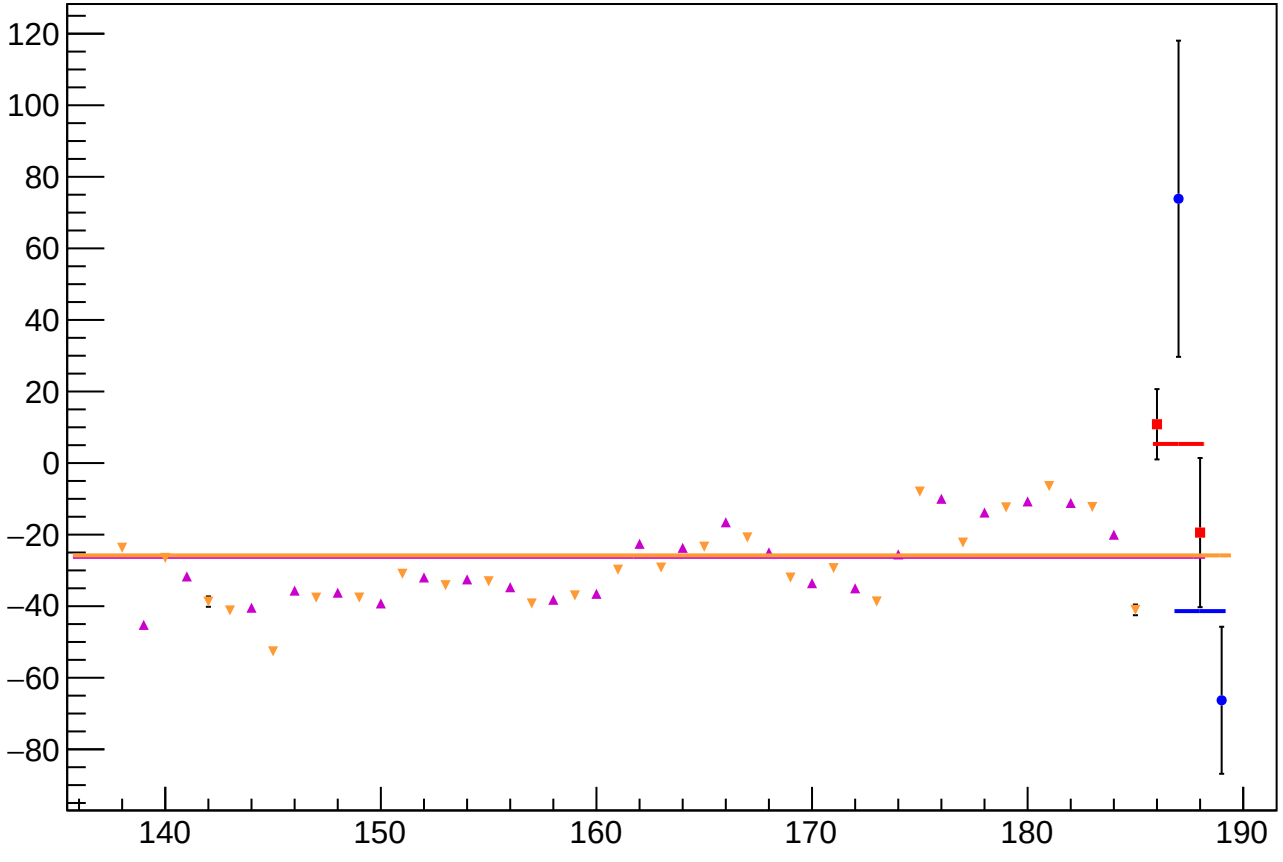
Left In: -19.905+/-0.008 $\chi^2$/NDF:145346.7/22

+ sign -19.975+/-0.007 $\chi^2$/NDF: 197962.7/41

All: -19.769+/-0.005 $\chi^2$/NDF: 654539.5/84

- sign -19.572+/-0.007 $\chi^2$/NDF: 454908.8/42

# reg_asym_right_avg_diff_bpm1X_slope vs Slug




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

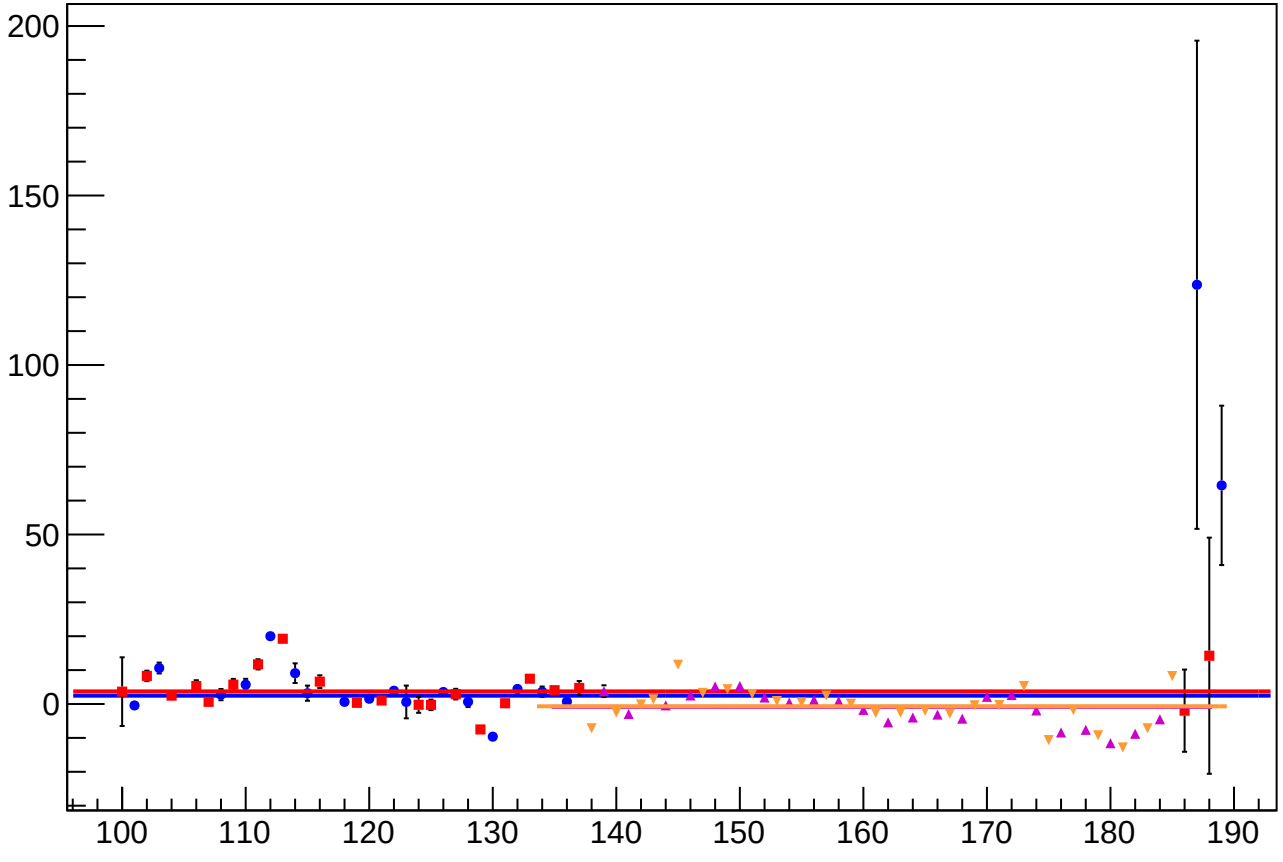
Left In: -26.204+/-0.194 $\chi^2$/NDF:3377.8/22

+ sign -25.806+/-0.192 $\chi^2$/NDF: 4136.8/26

All: -25.995+/-0.137 $\chi^2$/NDF: 7530.8/51

- sign -26.189+/-0.194 $\chi^2$/NDF: 3392.1/24

# reg_asym_right_avg_diff_bpm4aY_slope vs Slug




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

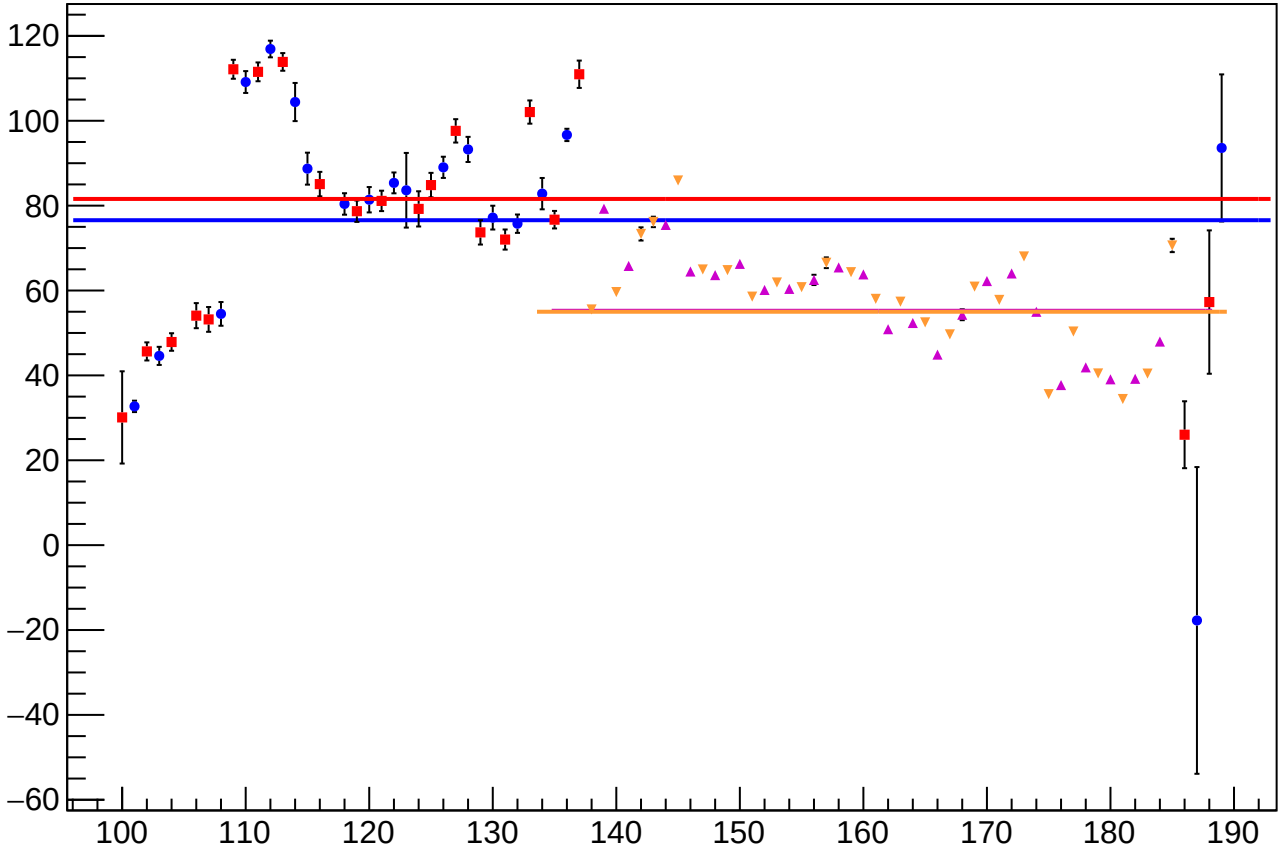
Left In: -0.842+/-0.150 $\chi^2$/NDF:1071.6/22

+ sign -0.110+/-0.133 $\chi^2$/NDF: 1702.6/43

All: -0.079+/-0.095 $\chi^2$/NDF: 3205.0/87

- sign -0.047+/-0.136 $\chi^2$/NDF: 1502.3/43

# reg_asym_right_avg_diff_bpm4eX_slope vs Slug




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

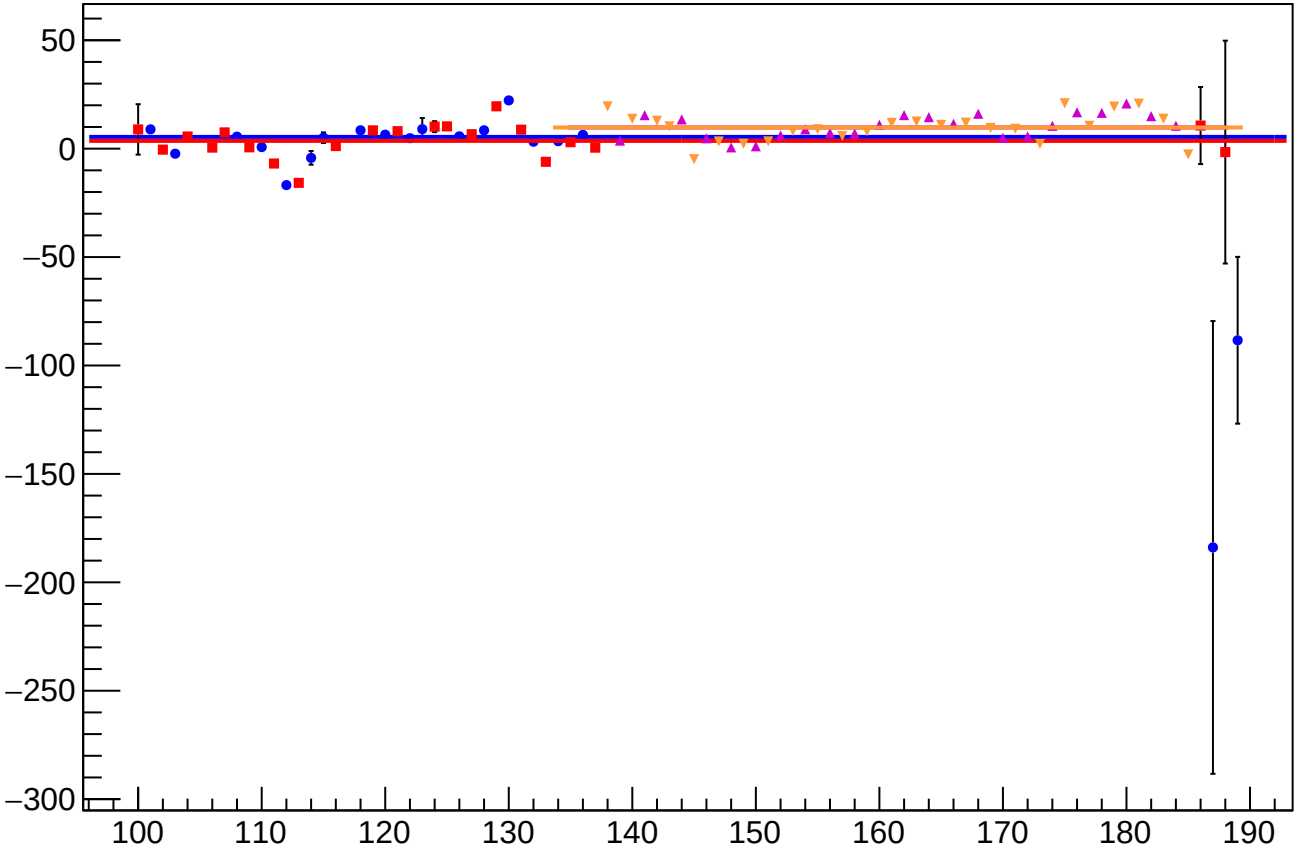
Left In: 55.225+/-0.193 $\chi^2$/NDF:3825.0/22

+ sign 57.174+/-0.182 $\chi^2$/NDF: 8060.5/43

All: 57.469+/-0.129 $\chi^2$/NDF: 15316.8/87

- sign 57.769+/-0.183 $\chi^2$/NDF: 7251.1/43

# reg_asym_right_avg_diff_bpm4eY_slope vs Slug




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

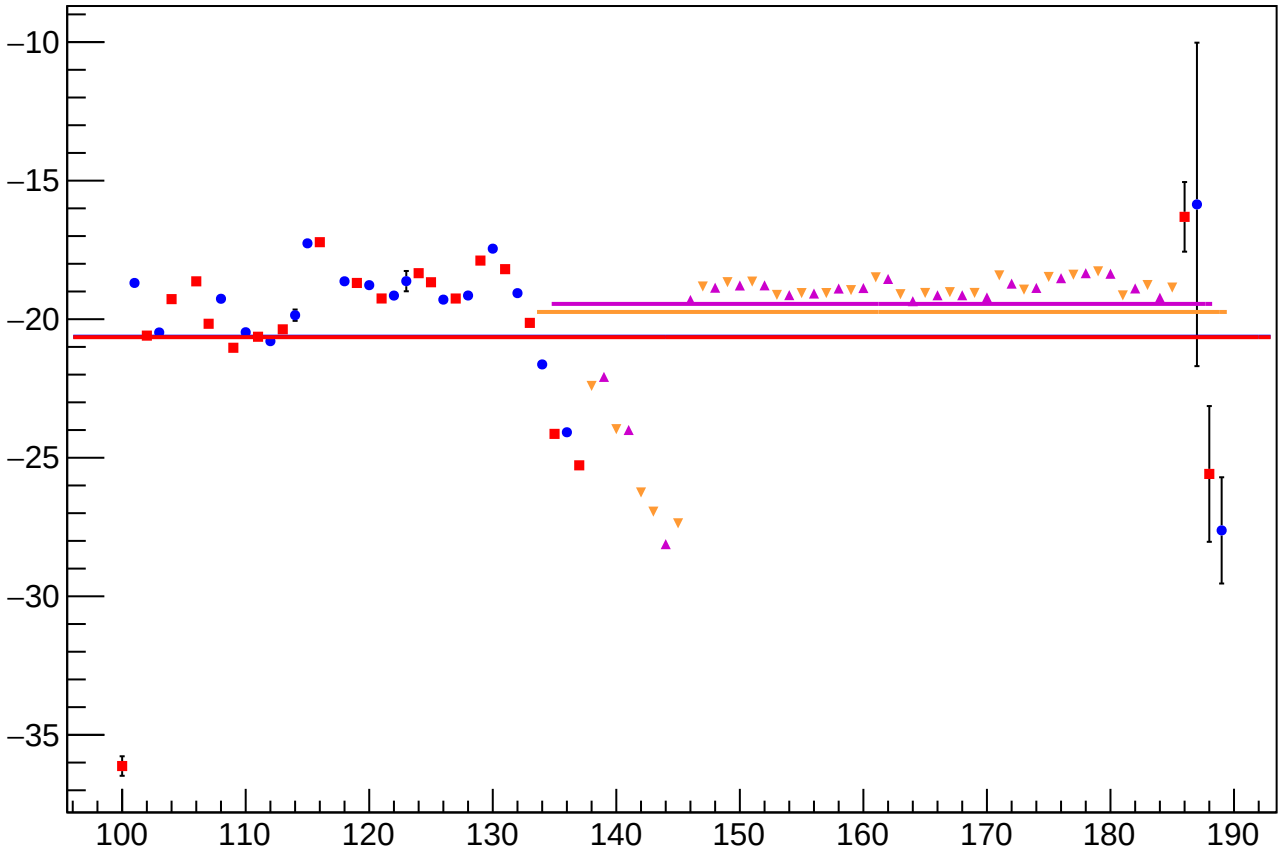
Left In: 9.775+/-0.171 $\chi^2$/NDF:1165.6/22

+ sign 8.967+/-0.152 $\chi^2$/NDF: 1965.5/43

All: 8.841+/-0.109 $\chi^2$/NDF: 3780.9/87

- sign 8.708+/-0.156 $\chi^2$/NDF: 1814.0/43

# reg_asym_right_avg_diff_bpm12X_slope vs Slug




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

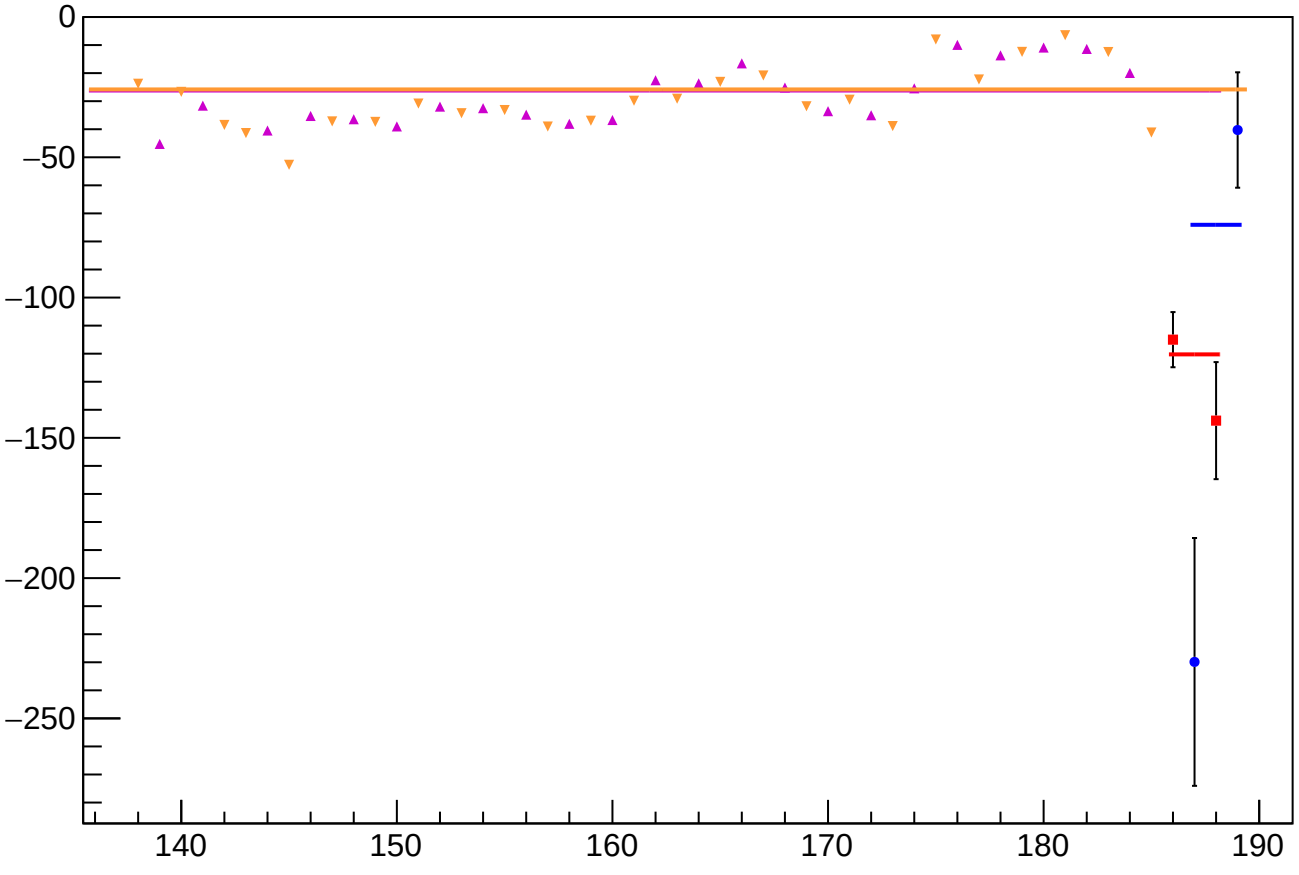
Left In: -19.448+/-0.008 $\chi^2$/NDF:54039.2/22

+ sign -19.867+/-0.007 $\chi^2$/NDF: 102836.1/43

All: -19.743+/-0.005 $\chi^2$/NDF: 174626.8/87

- sign -19.619+/-0.007 $\chi^2$/NDF: 71218.4/43

# reg_asym_right_dd_diff_bpm1X_slope vs Slug




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

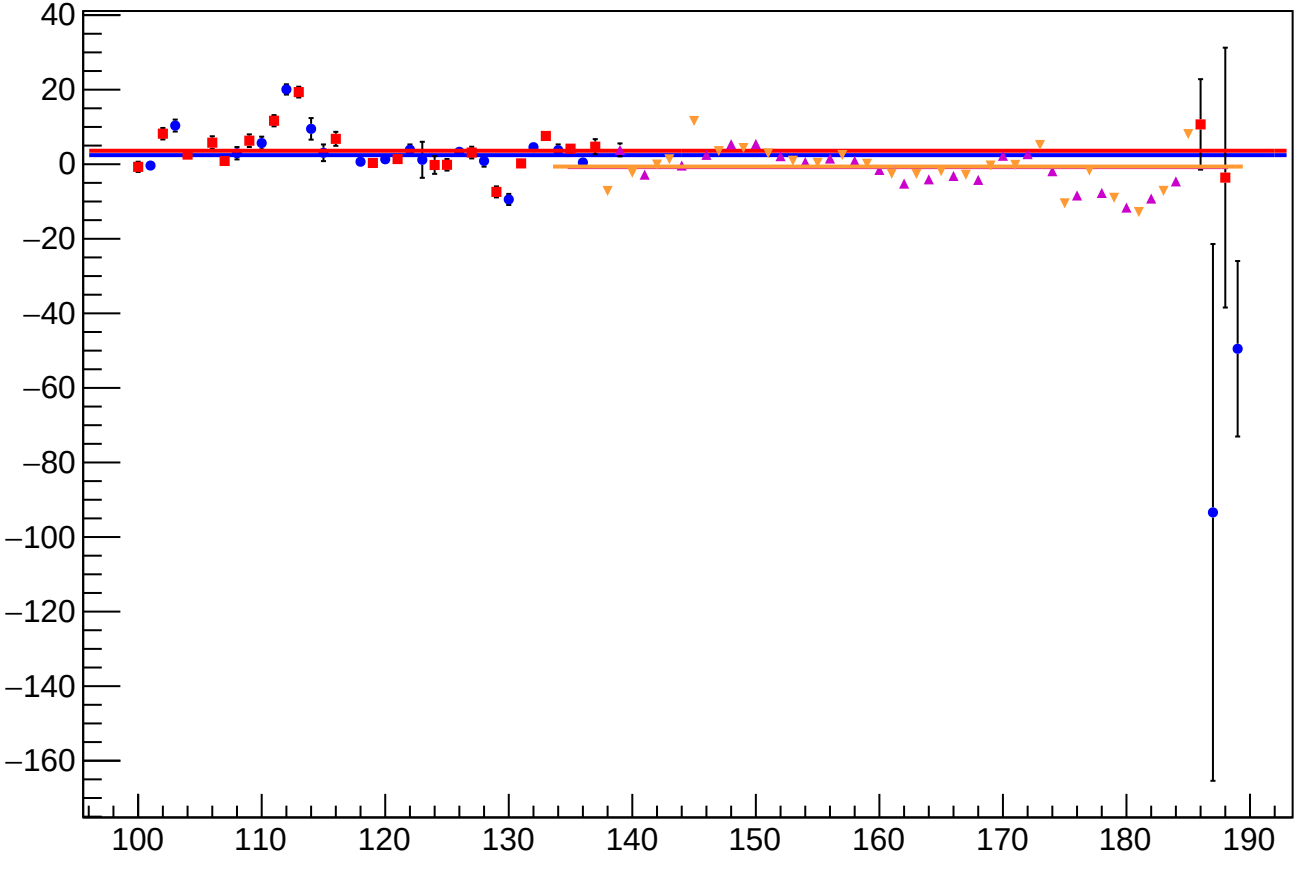
Left In: -26.200+/-0.194 $\chi^2$/NDF:3344.6/22

+ sign -25.819+/-0.192 $\chi^2$/NDF: 4116.4/26

All: -26.030+/-0.137 $\chi^2$/NDF: 7576.8/51

- sign -26.245+/-0.194 $\chi^2$/NDF: 3458.0/24

# reg_asym_right_dd_diff_bpm4aY_slope vs Slug




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

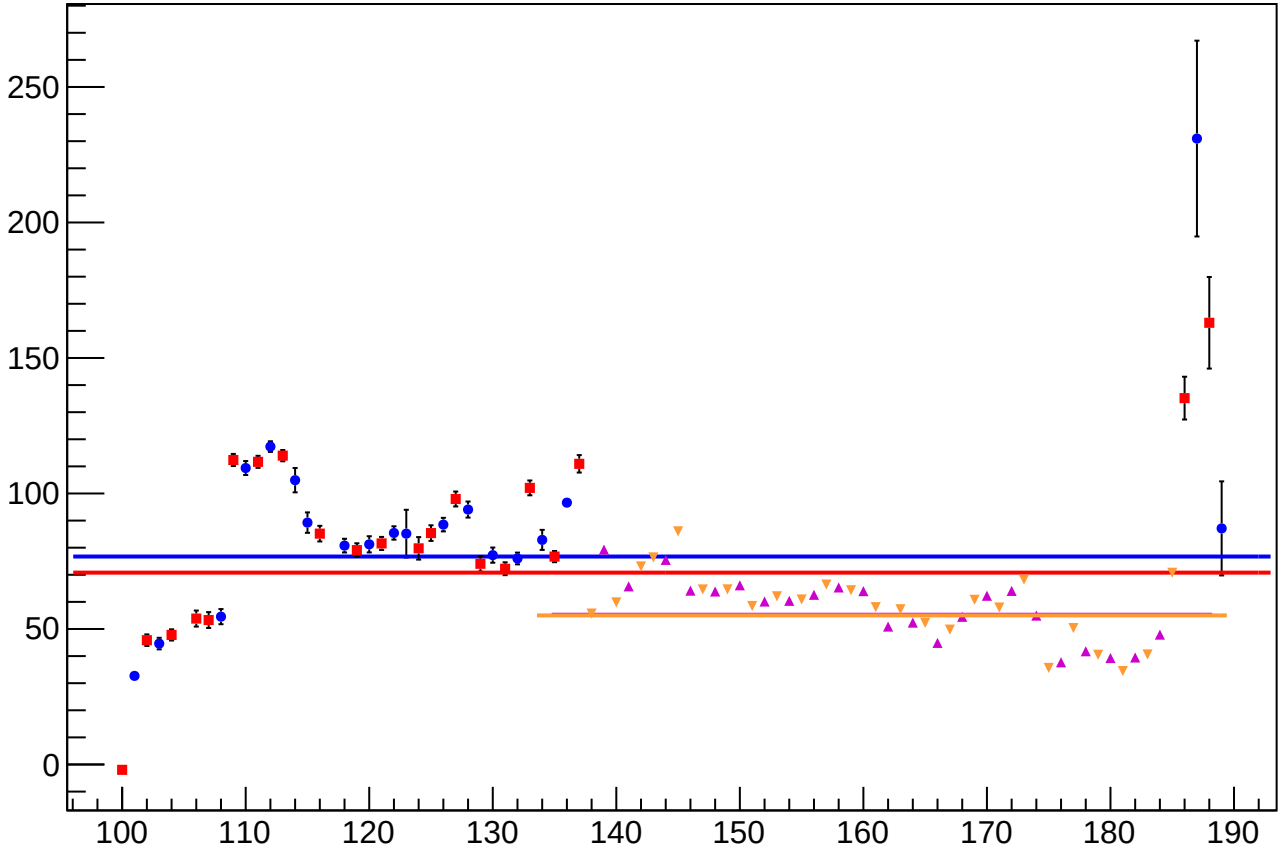
Left In: -0.773+/-0.150 $\chi^2$/NDF:1111.4/22

+ sign -0.068+/-0.133 $\chi^2$/NDF: 1682.7/43

All: -0.022+/-0.095 $\chi^2$/NDF: 3229.8/87

- sign 0.027+/-0.136 $\chi^2$/NDF: 1546.8/43

# reg_asym_right_dd_diff_bpm4eX_slope vs Slug




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

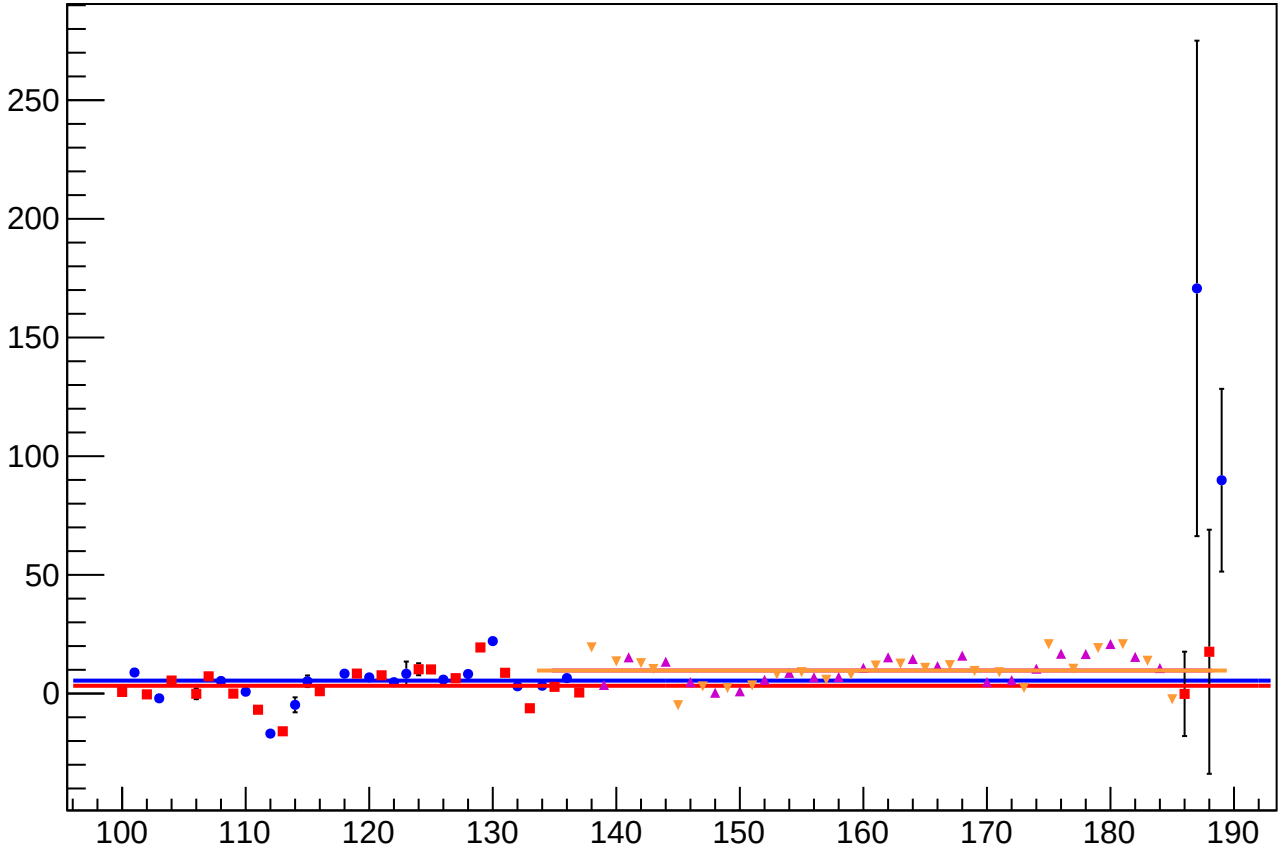
Left In: 55.252+/-0.193 $\chi^2$/NDF:3786.2/22

+ sign 57.199+/-0.182 $\chi^2$/NDF: 8077.7/43

All: 57.082+/-0.129 $\chi^2$/NDF: 17068.3/87

- sign 56.965+/-0.182 $\chi^2$/NDF: 8989.8/43

# reg_asym_right_dd_diff_bpm4eY_slope vs Slug




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

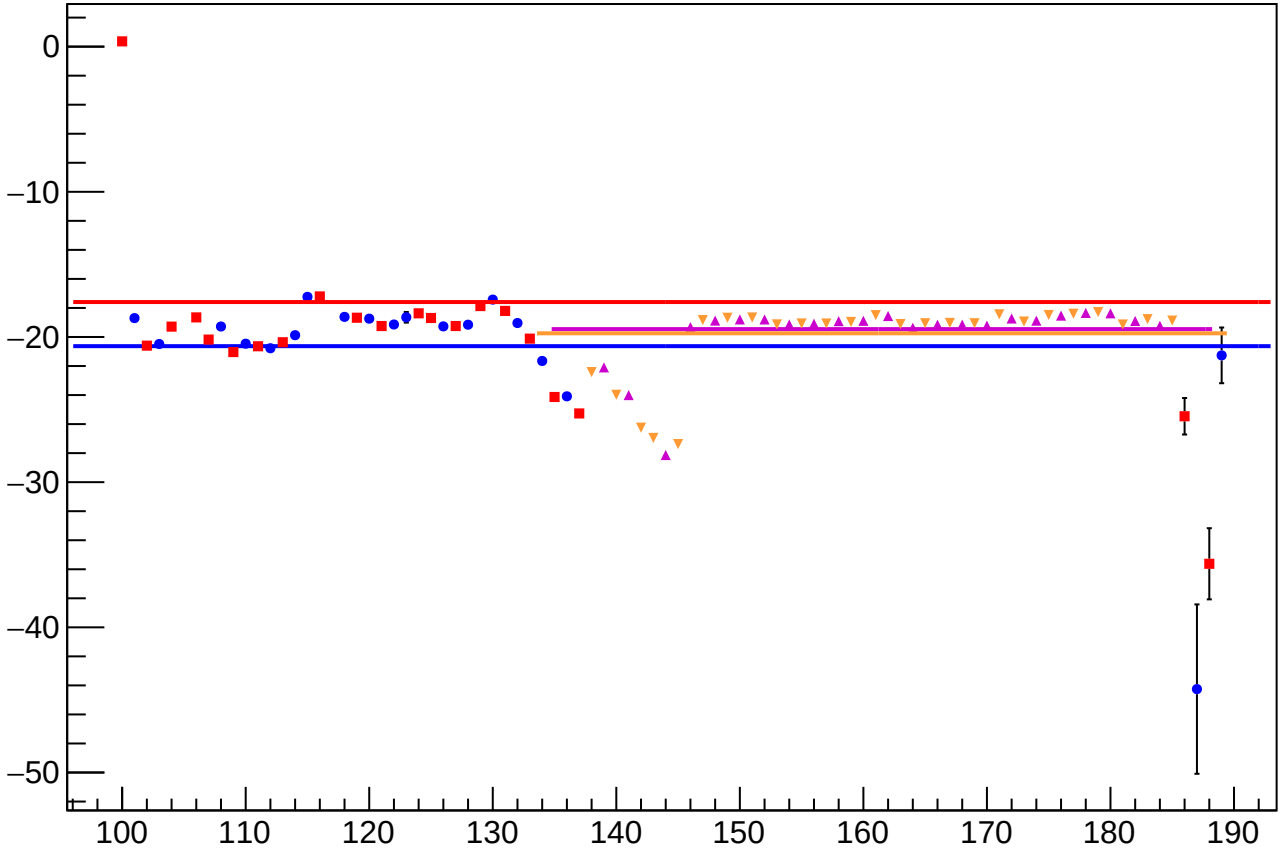
Left In: 9.708+/-0.171 $\chi^2$/NDF:1198.0/22

+ sign 8.921+/-0.152 $\chi^2$/NDF: 1948.8/43

All: 8.738+/-0.109 $\chi^2$/NDF: 3830.0/87

- sign 8.548+/-0.155 $\chi^2$/NDF: 1878.2/43

# reg_asym_right_dd_diff_bpm12X_slope vs Slug




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

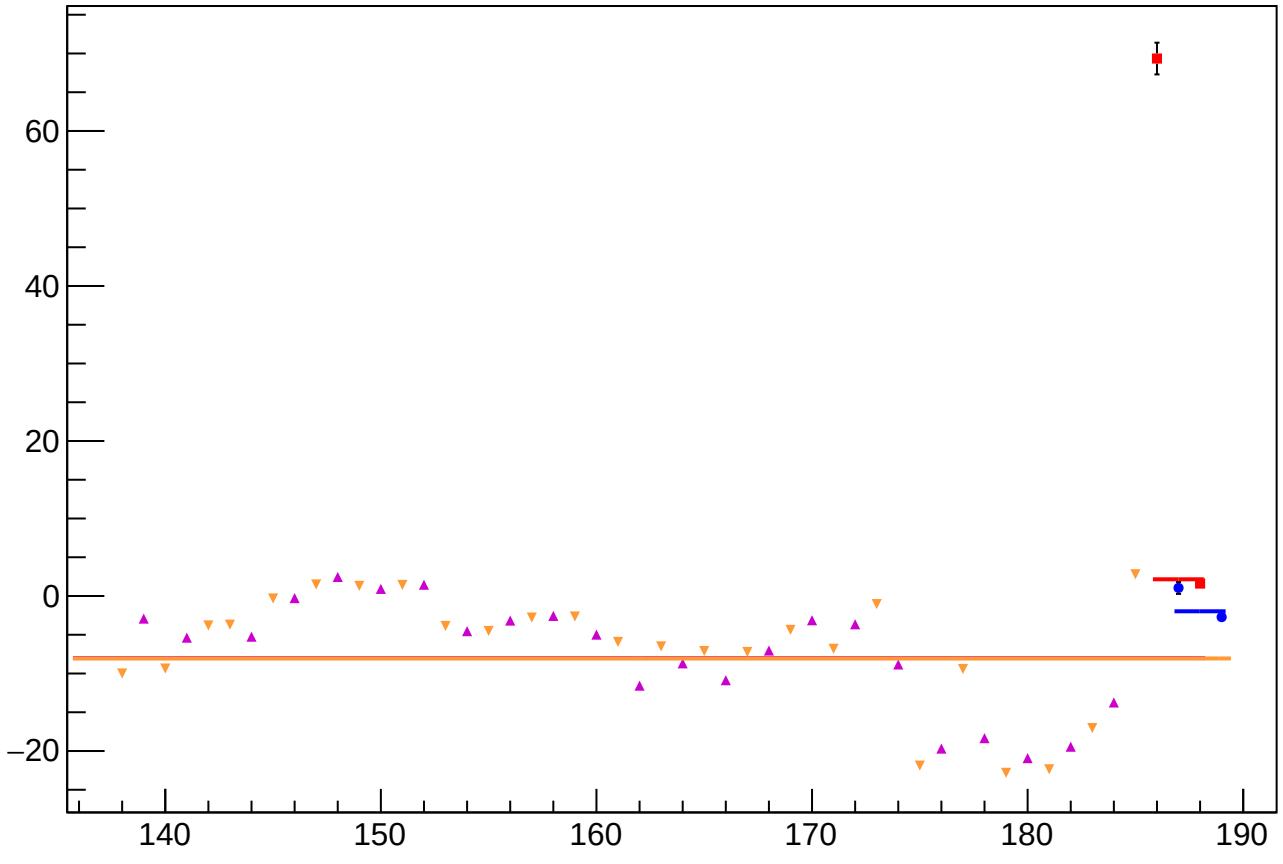
Left In: -19.457+/-0.008 $\chi^2$/NDF:53995.4/22

+ sign -19.874+/-0.007 $\chi^2$/NDF: 102727.1/43

All: -19.511+/-0.005 $\chi^2$/NDF: 349335.2/87

- sign -19.155+/-0.007 $\chi^2$/NDF: 241741.7/43

# reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug




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

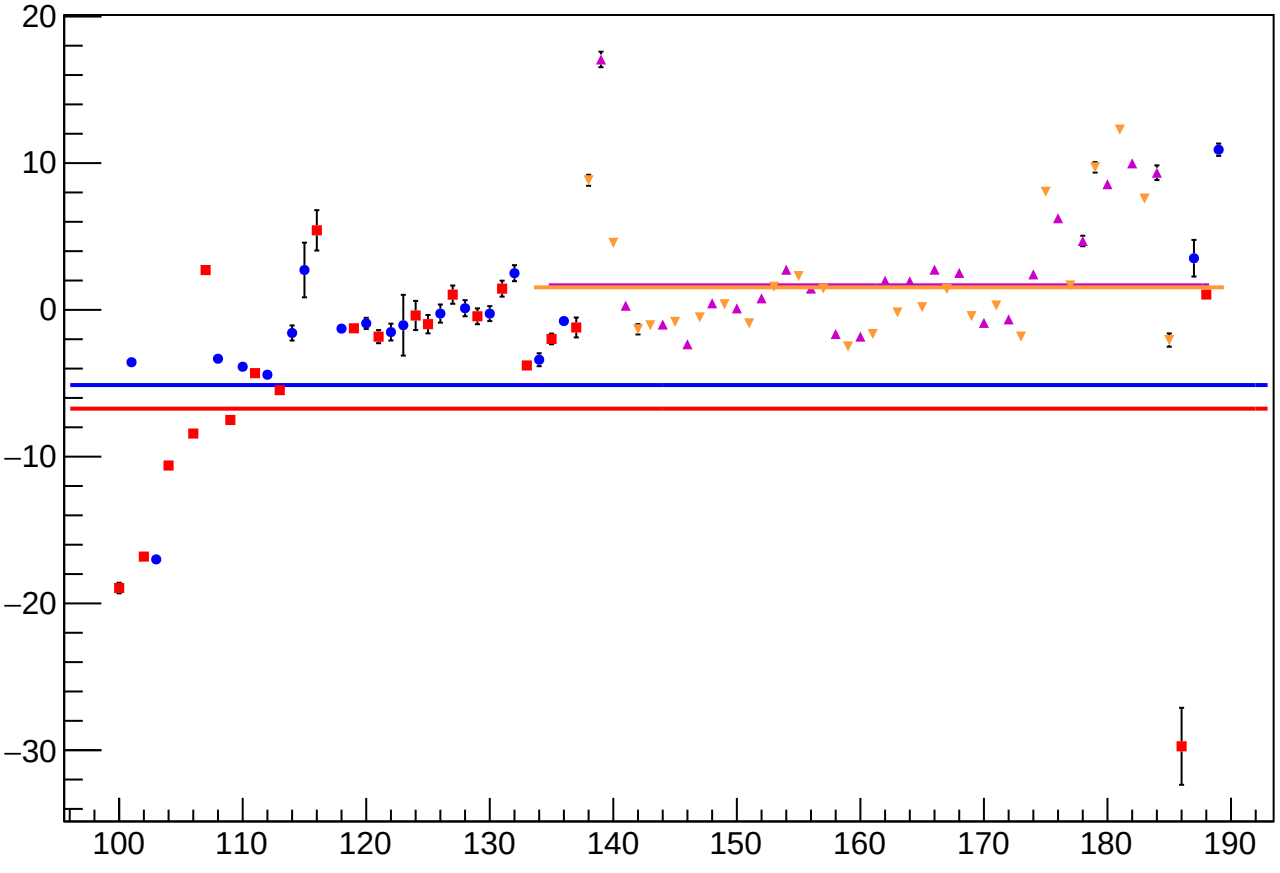
Left In: -8.010+/-0.071 $\chi^2$/NDF:10631.2/22

+ sign -7.814+/-0.069 $\chi^2$/NDF: 12851.0/26

All: -7.230+/-0.048 $\chi^2$/NDF: 27343.1/51

- sign -6.687+/-0.067 $\chi^2$/NDF: 14354.0/24

# reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug




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

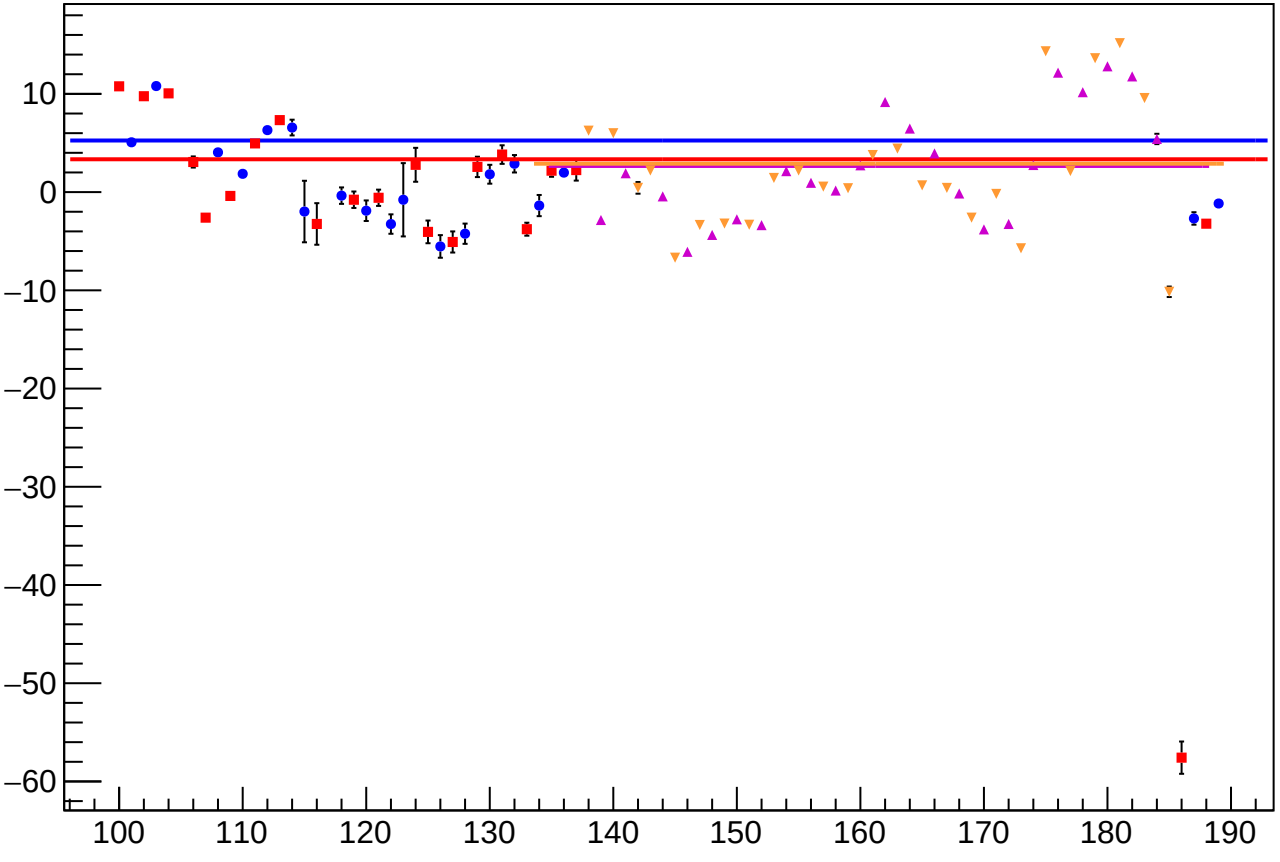
Left In: 1.673+/-0.056 $\chi^2$/NDF:4106.3/22

+ sign -1.810+/-0.038 $\chi^2$/NDF: 23107.3/43

All: -2.104+/-0.028 $\chi^2$/NDF: 51367.4/87

- sign -2.429+/-0.040 $\chi^2$/NDF: 28137.1/43

# reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug




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

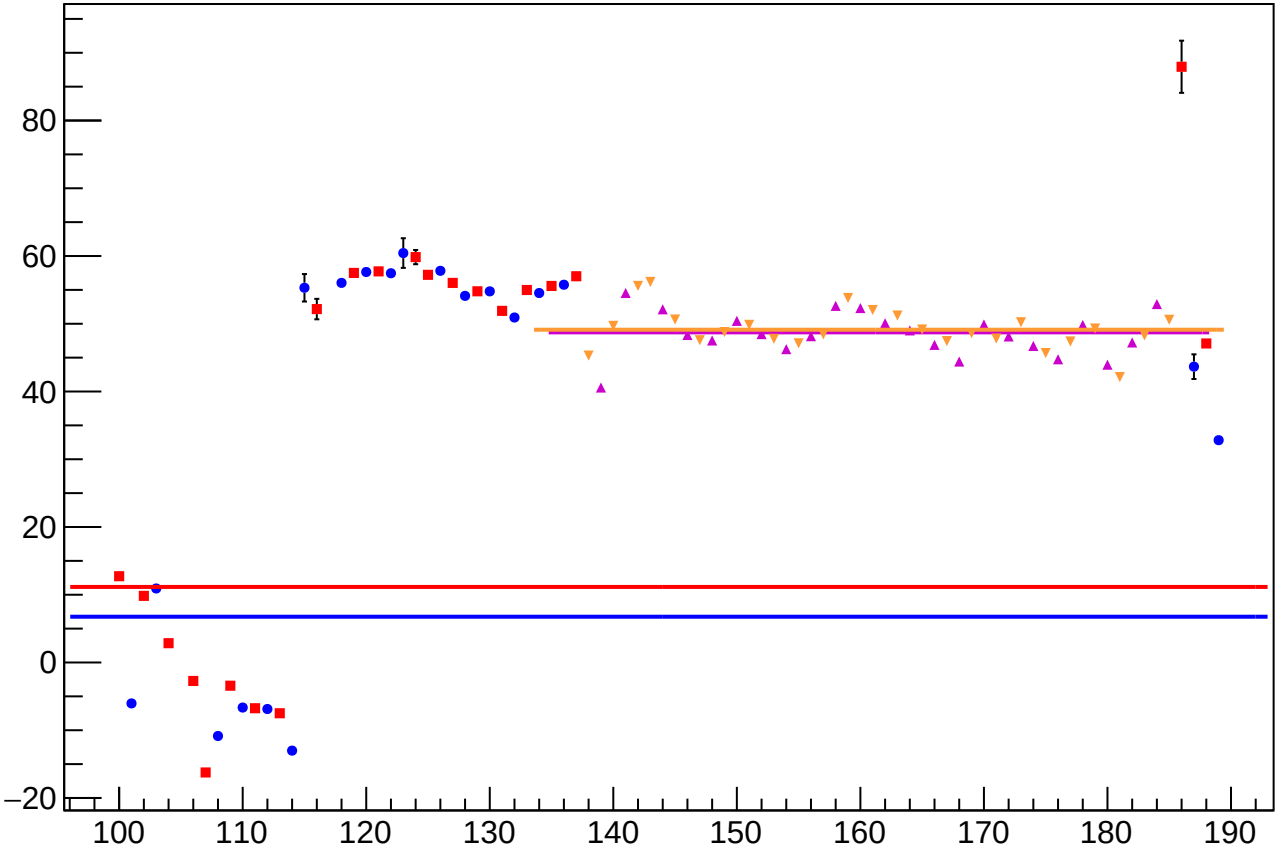
Left In: 2.663+/-0.071 $\chi^2$/NDF:7308.8/22

+ sign 3.838+/-0.054 $\chi^2$/NDF: 11320.1/43

All: 3.389+/-0.038 $\chi^2$/NDF: 25586.4/87

- sign 2.966+/-0.053 $\chi^2$/NDF: 14134.2/43

# reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug




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

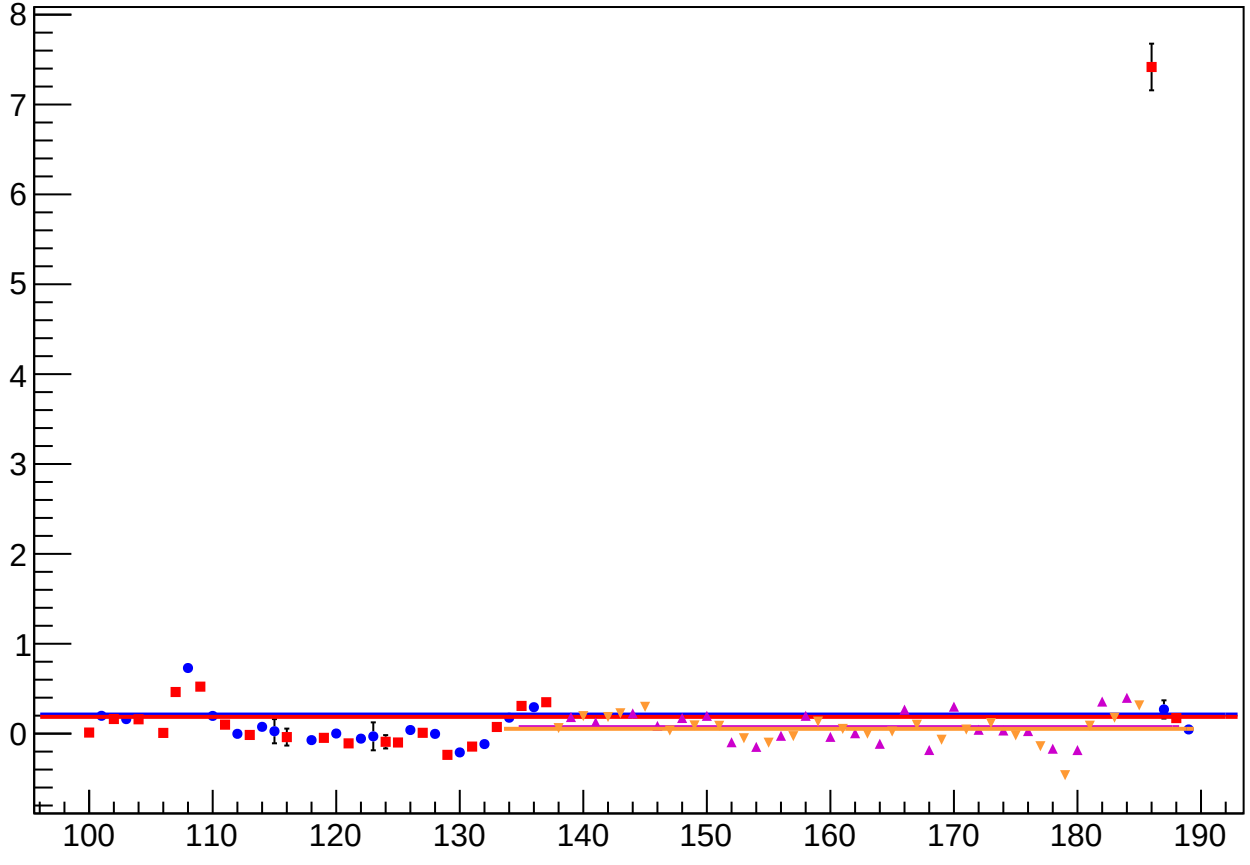
Left In: 48.731+/-0.064 $\chi^2$/NDF:2117.7/22

+ sign 28.756+/-0.045 $\chi^2$/NDF: 353118.0/43

All: 30.021+/-0.032 $\chi^2$/NDF: 648438.8/87

- sign 31.405+/-0.047 $\chi^2$/NDF: 293636.0/43

# reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug




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

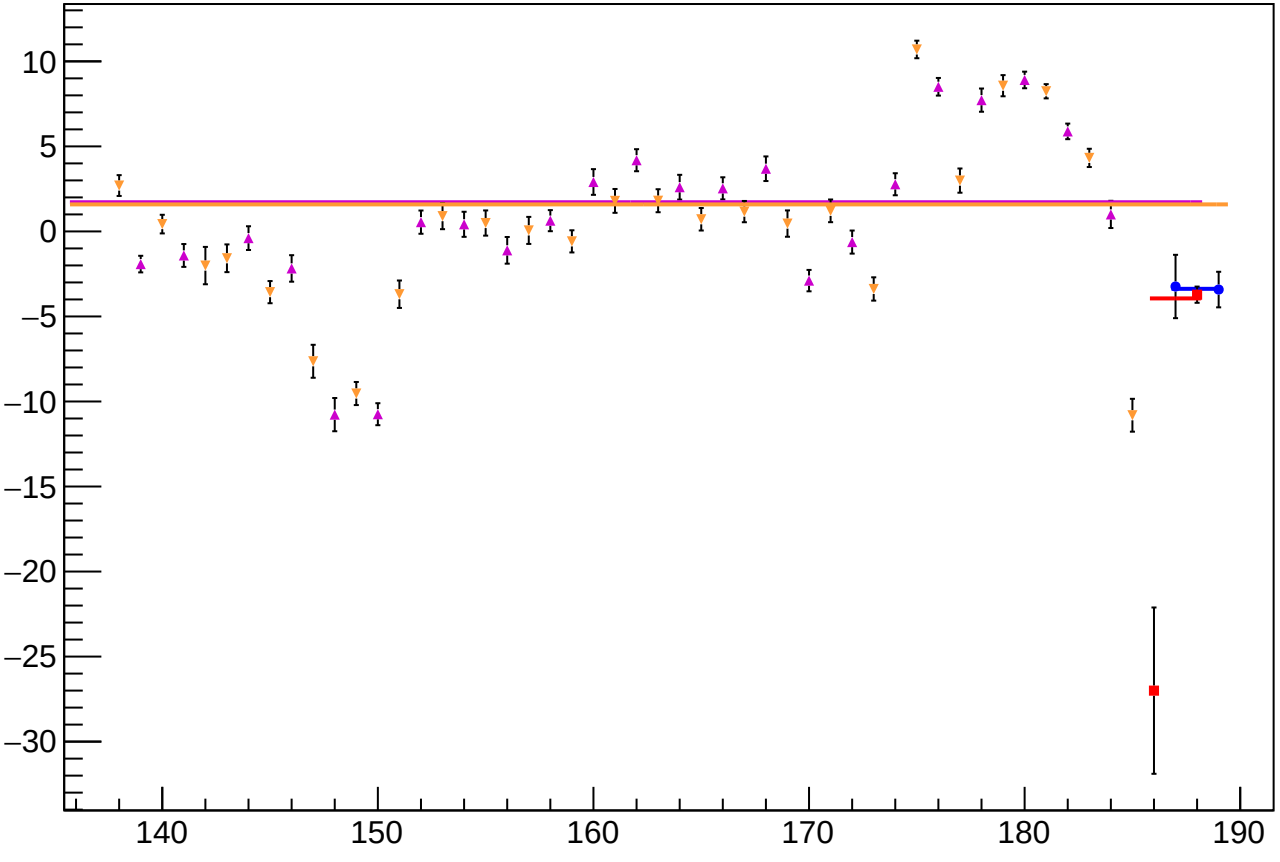
Left In: 0.072+/-0.003 $\chi^2$/NDF:3272.0/22

+ sign 0.135+/-0.002 $\chi^2$/NDF: 7985.4/43

All: 0.134+/-0.001 $\chi^2$/NDF: 15621.2/87

- sign 0.133+/-0.002 $\chi^2$/NDF: 7635.2/43

# reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug




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

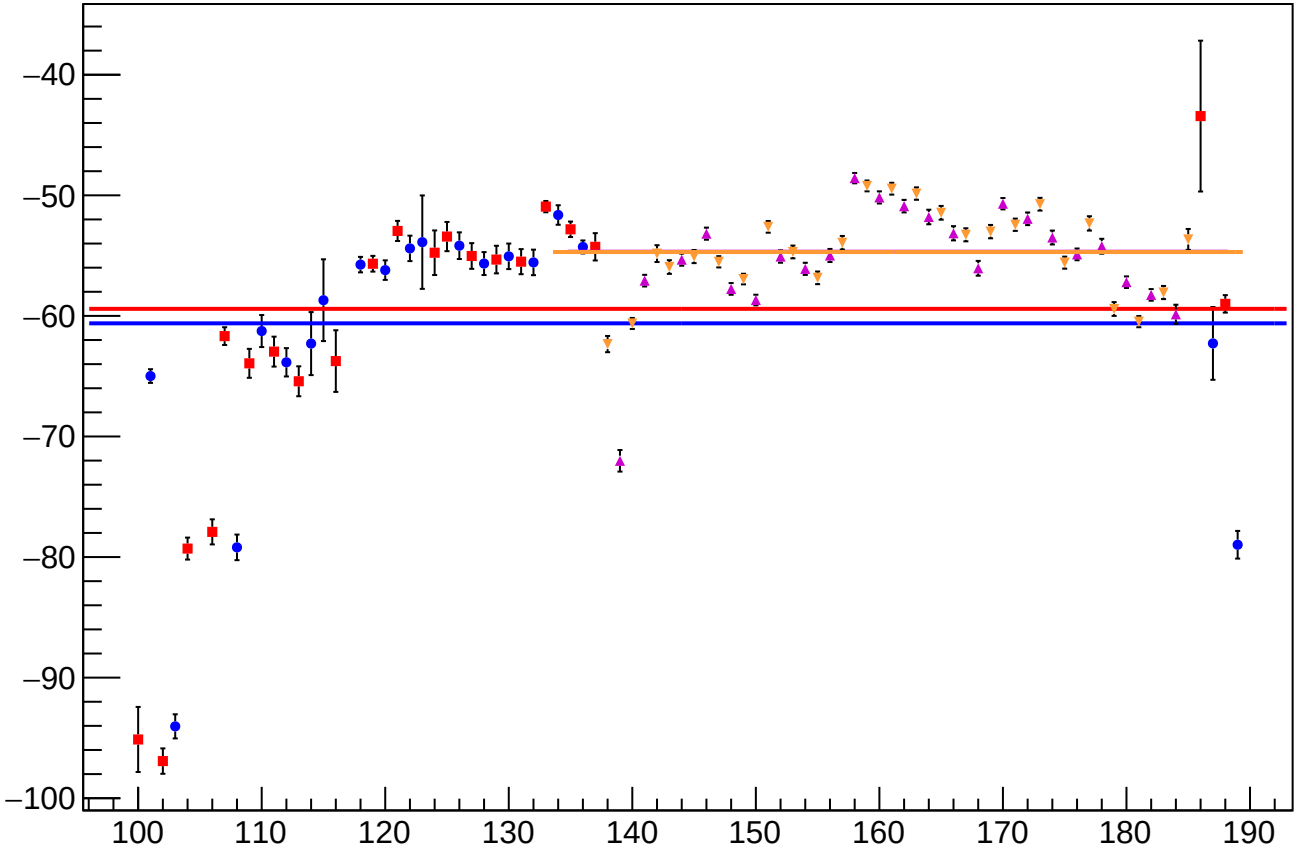
Left In: 1.715+/-0.134 $\chi^2$/NDF:1313.5/22

+ sign 1.486+/-0.132 $\chi^2$/NDF: 1486.5/26

All: 1.390+/-0.092 $\chi^2$/NDF: 2954.8/51

- sign 1.297+/-0.129 $\chi^2$/NDF: 1467.3/24

# reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug




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

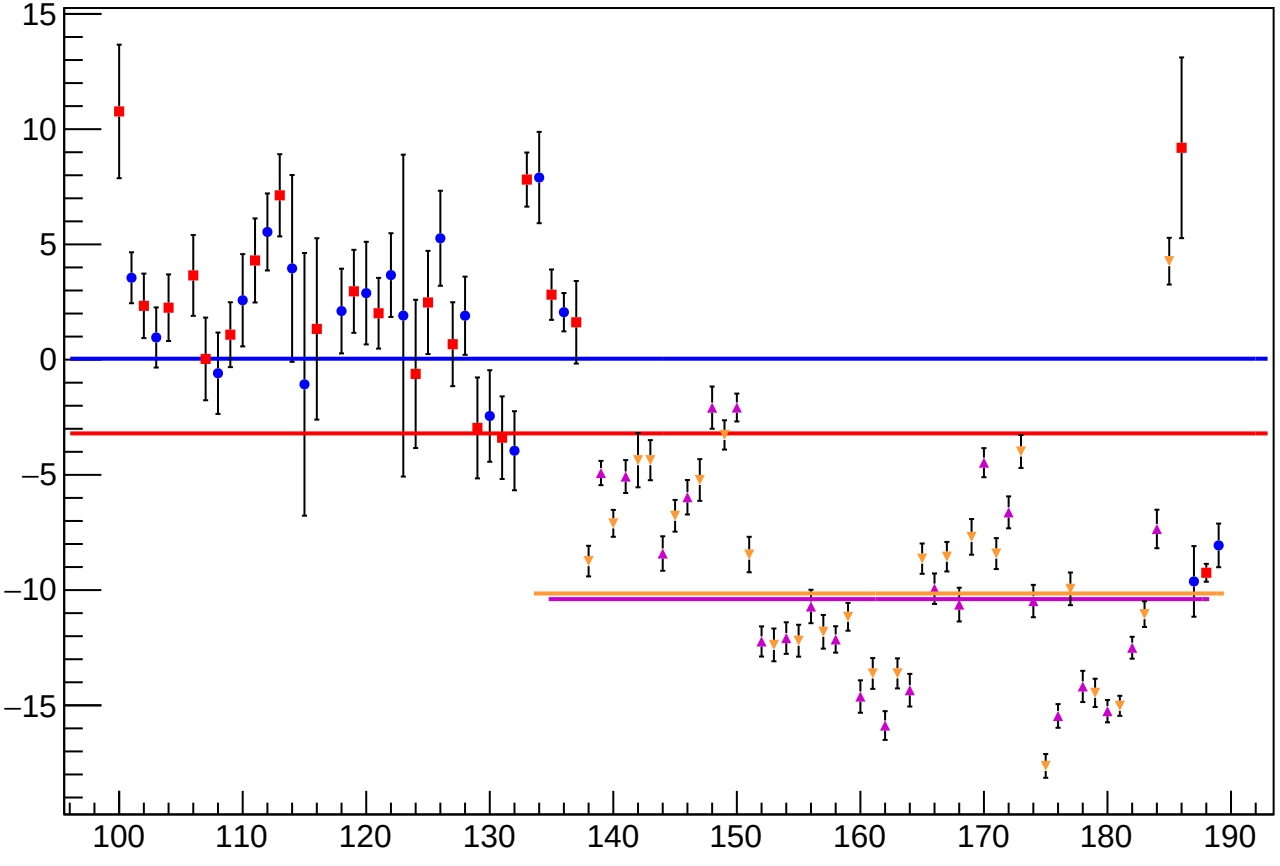
Left In: -54.677+/-0.109 $\chi^2$/NDF:1140.6/22

+ sign -55.829+/-0.095 $\chi^2$/NDF: 3964.2/43

All: -55.785+/-0.068 $\chi^2$/NDF: 8445.5/87

- sign -55.741+/-0.096 $\chi^2$/NDF: 4480.8/43

# reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug




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

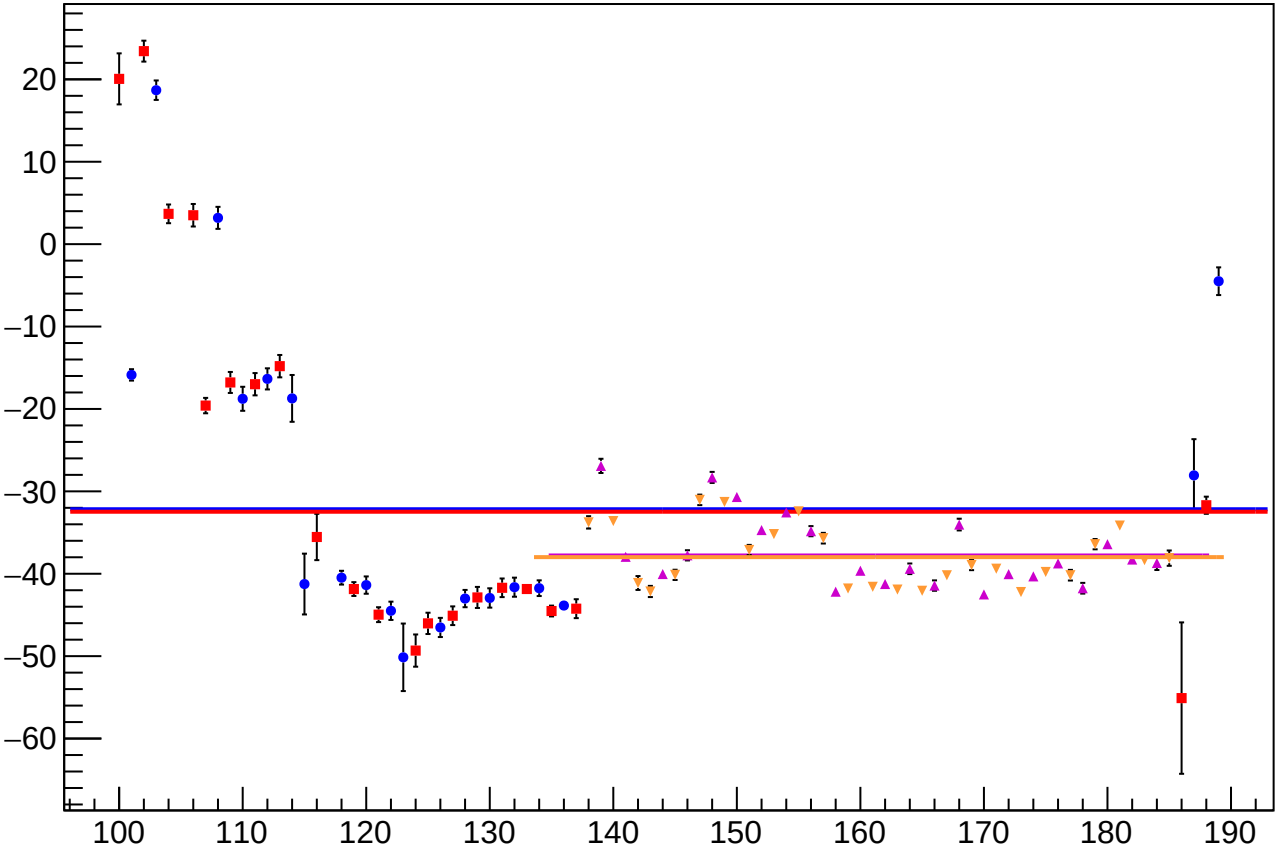
Left In: -10.391+/-0.134 $\chi^2$/NDF:1024.8/22

+ sign -8.929+/-0.125 $\chi^2$/NDF: 1931.8/43

All: -8.967+/-0.087 $\chi^2$/NDF: 4061.9/87

- sign -9.002+/-0.120 $\chi^2$/NDF: 2129.9/43

# reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug




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

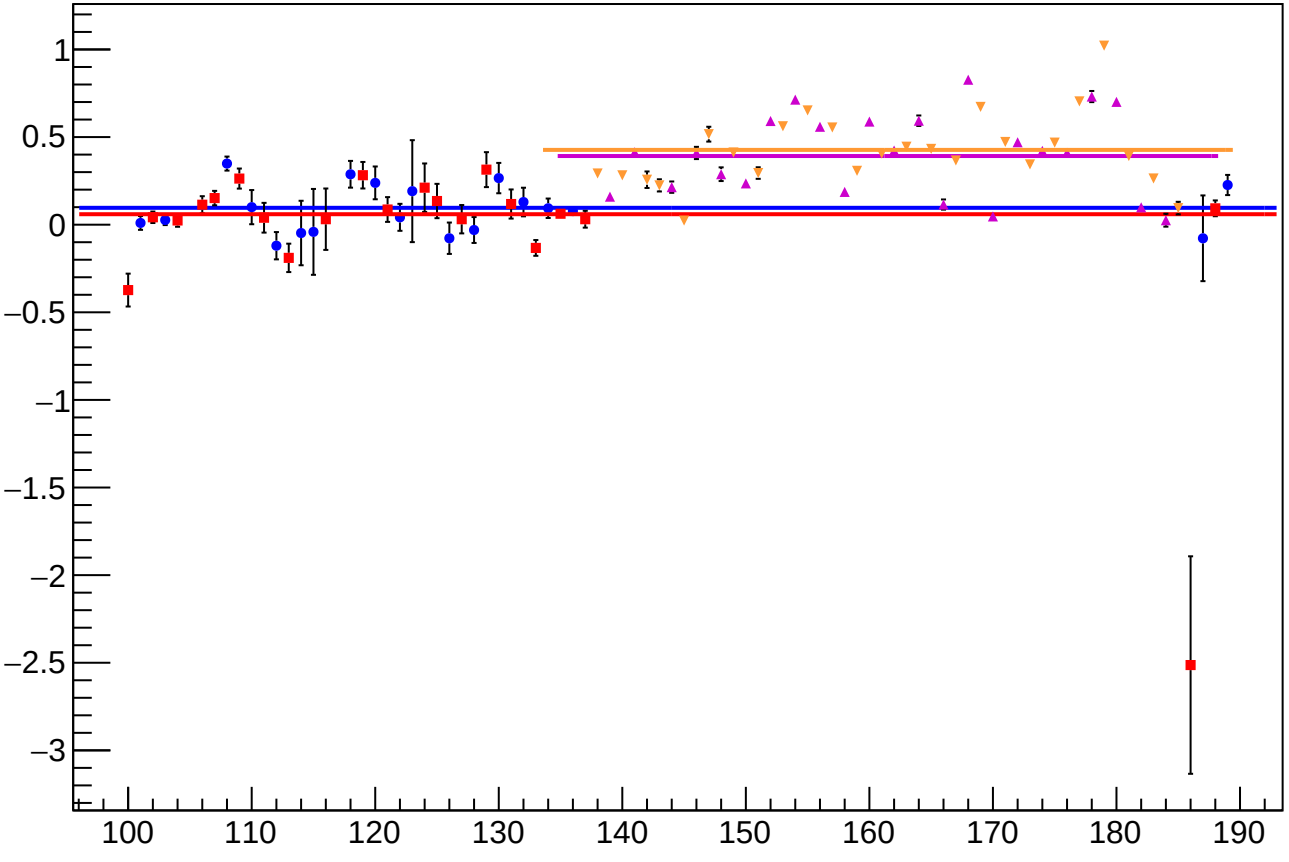
Left In: -37.784+/-0.122 $\chi^2$/NDF:1079.7/22

+ sign -36.915+/-0.108 $\chi^2$/NDF: 6320.4/43

All: -36.797+/-0.076 $\chi^2$/NDF: 13842.8/87

- sign -36.676+/-0.108 $\chi^2$/NDF: 7520.0/43

# reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug




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

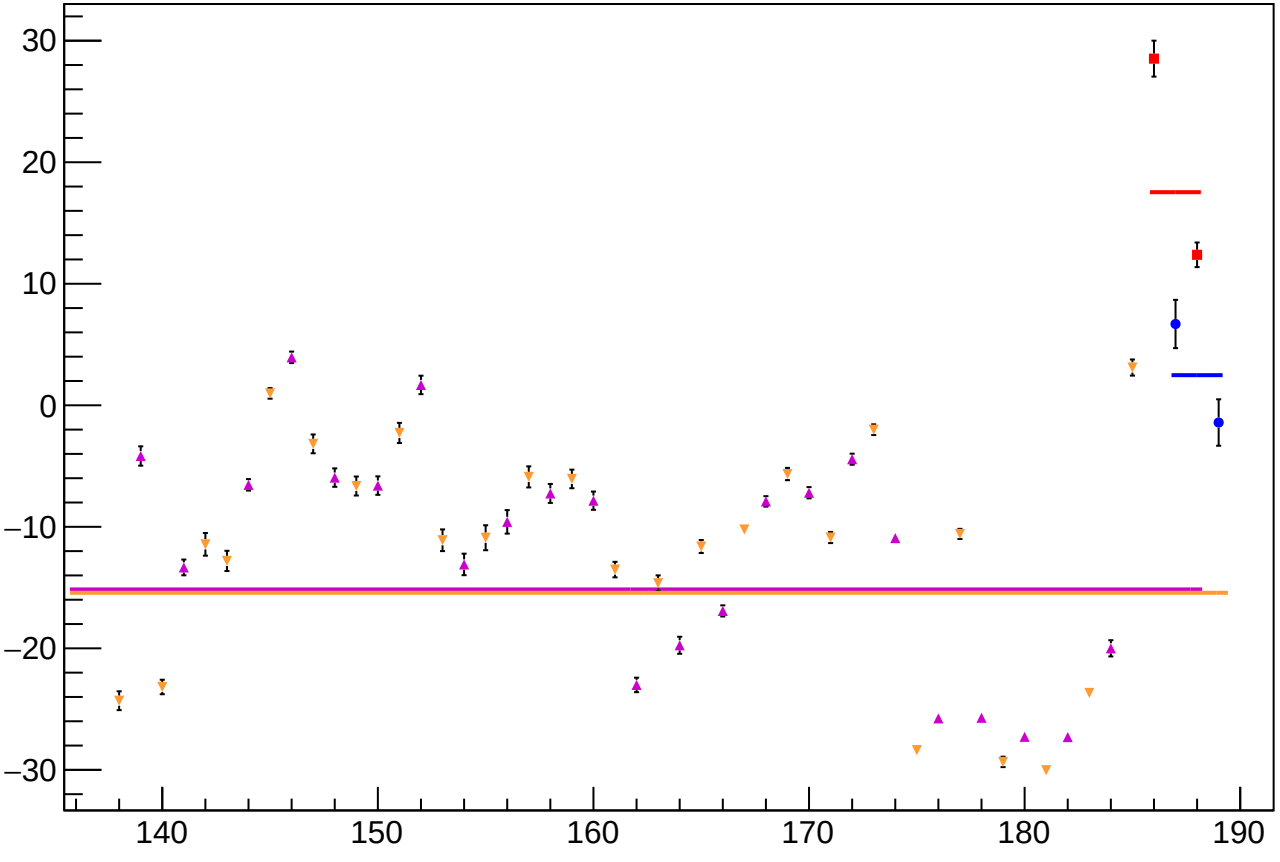
Left In: 0.392+/-0.005 $\chi^2$/NDF:1835.6/22

+ sign 0.374+/-0.005 $\chi^2$/NDF: 1976.1/43

All: 0.354+/-0.003 $\chi^2$/NDF: 4613.3/87

- sign 0.334+/-0.005 $\chi^2$/NDF: 2603.5/43

# reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug




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

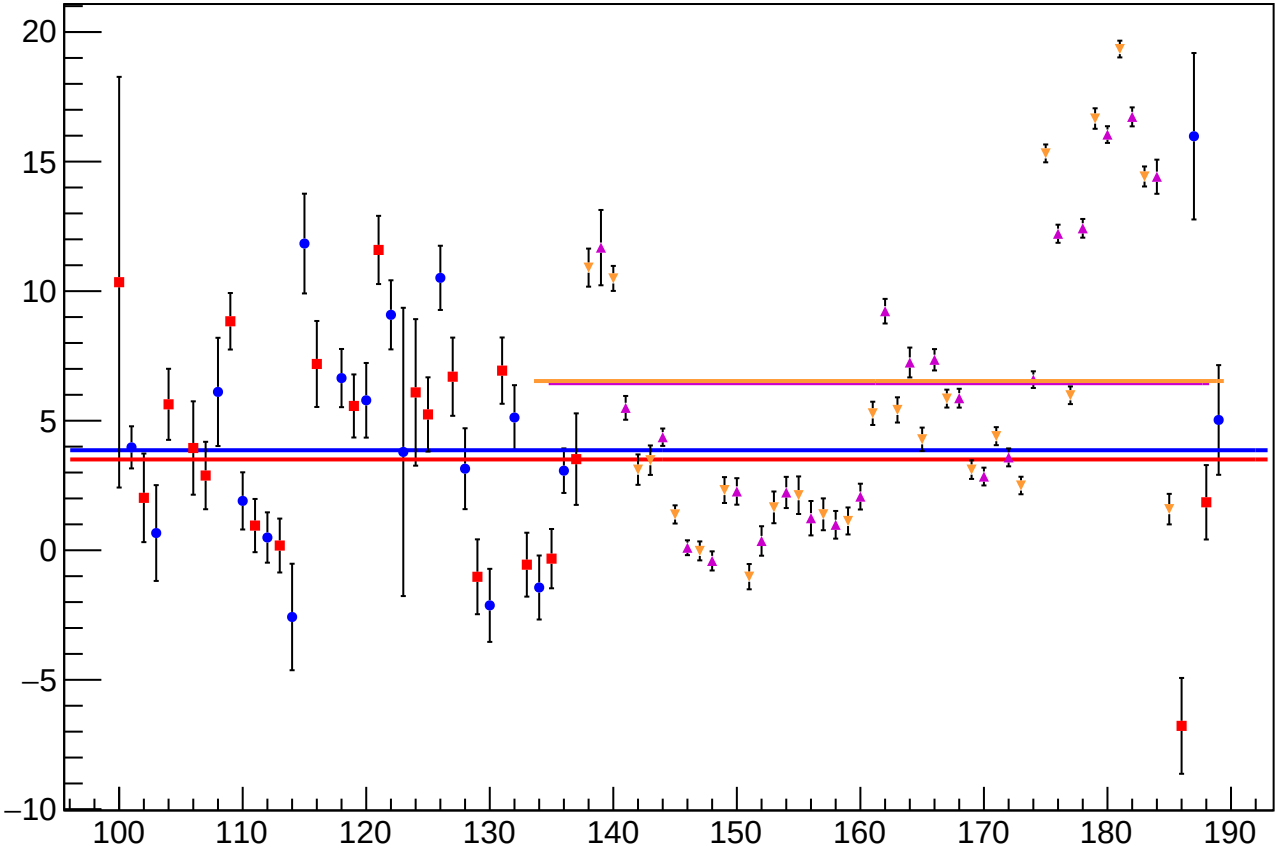
Left In: -15.151+/-0.106 $\chi^2$/NDF:8744.3/22

+ sign -15.323+/-0.105 $\chi^2$/NDF: 10676.3/26

All: -14.978+/-0.074 $\chi^2$/NDF: 21028.9/51

- sign -14.631+/-0.105 $\chi^2$/NDF: 10331.0/24

# reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug




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

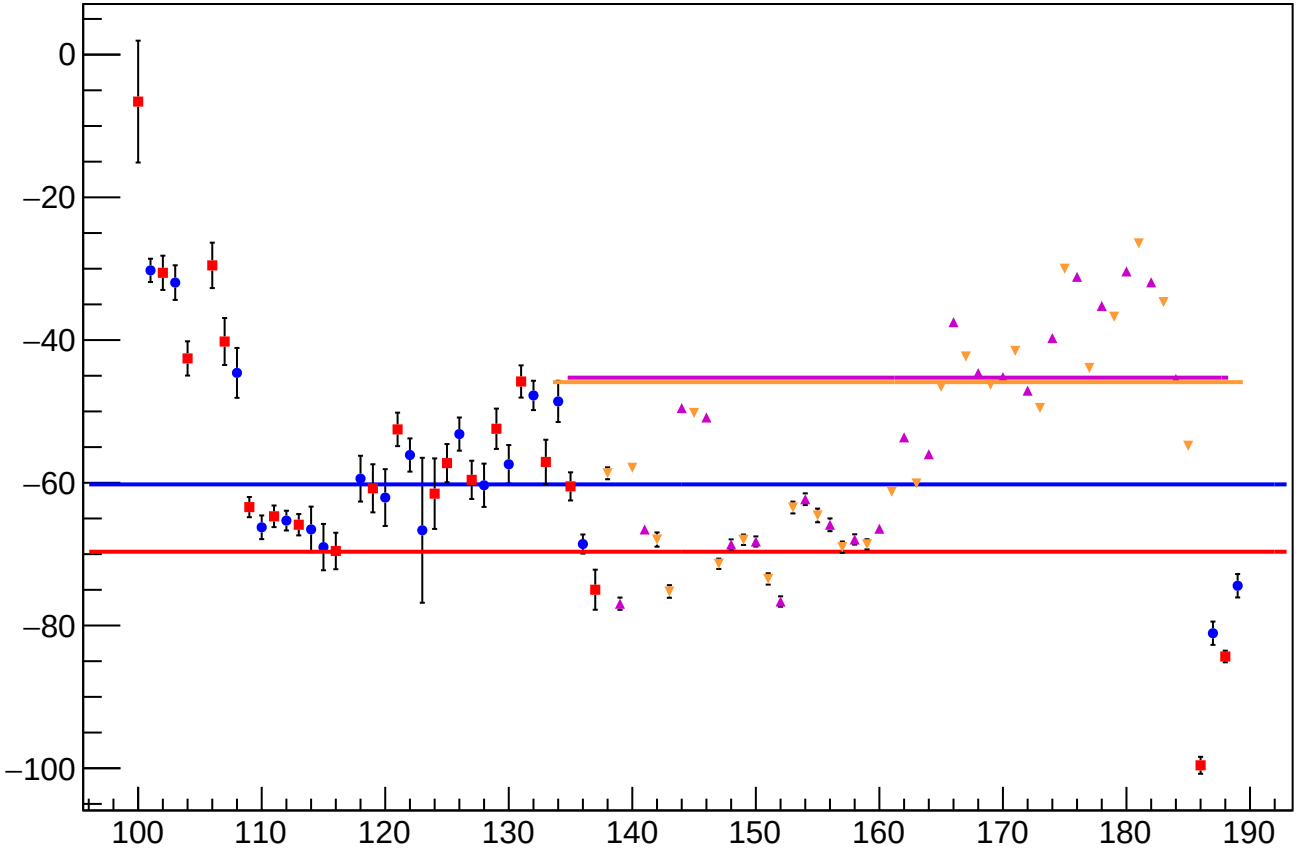
Left In: 6.448+/-0.086 $\chi^2$/NDF:3955.6/22

+ sign 6.335+/-0.082 $\chi^2$/NDF: 5192.5/43

All: 6.283+/-0.058 $\chi^2$/NDF: 9403.5/87

- sign 6.232+/-0.083 $\chi^2$/NDF: 4210.2/43

# reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug




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

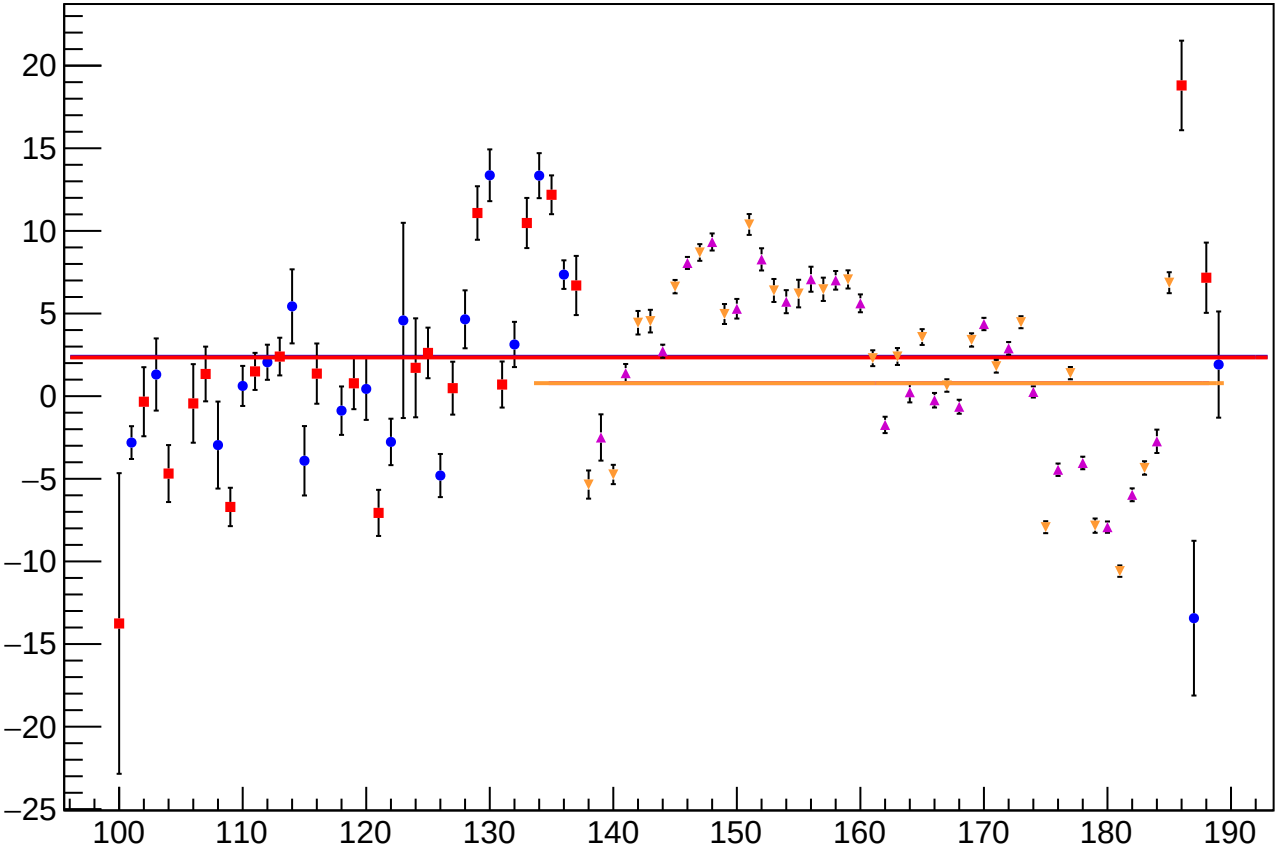
Left In: -45.268+/-0.107 $\chi^2$/NDF:15775.7/22

+ sign -46.540+/-0.104 $\chi^2$/NDF: 18823.5/43

All: -46.647+/-0.073 $\chi^2$/NDF: 39749.8/87

- sign -46.754+/-0.103 $\chi^2$/NDF: 20924.2/43

# reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug




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

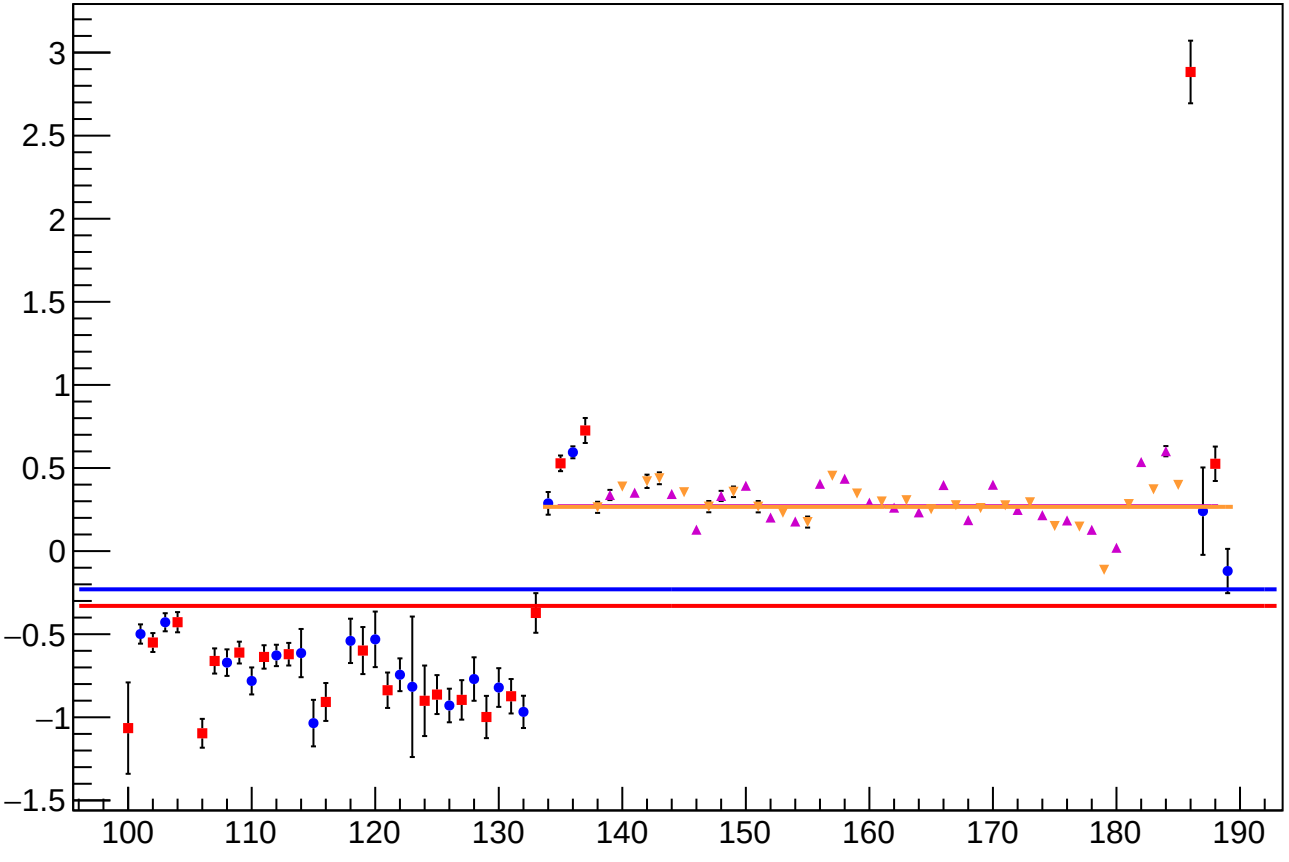
Left In: 0.791+/-0.096 $\chi^2$/NDF:2697.7/22

+ sign 0.902+/-0.092 $\chi^2$/NDF: 4021.9/43

All: 0.902+/-0.065 $\chi^2$/NDF: 7048.2/87

- sign 0.902+/-0.093 $\chi^2$/NDF: 3026.4/43

# reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug




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

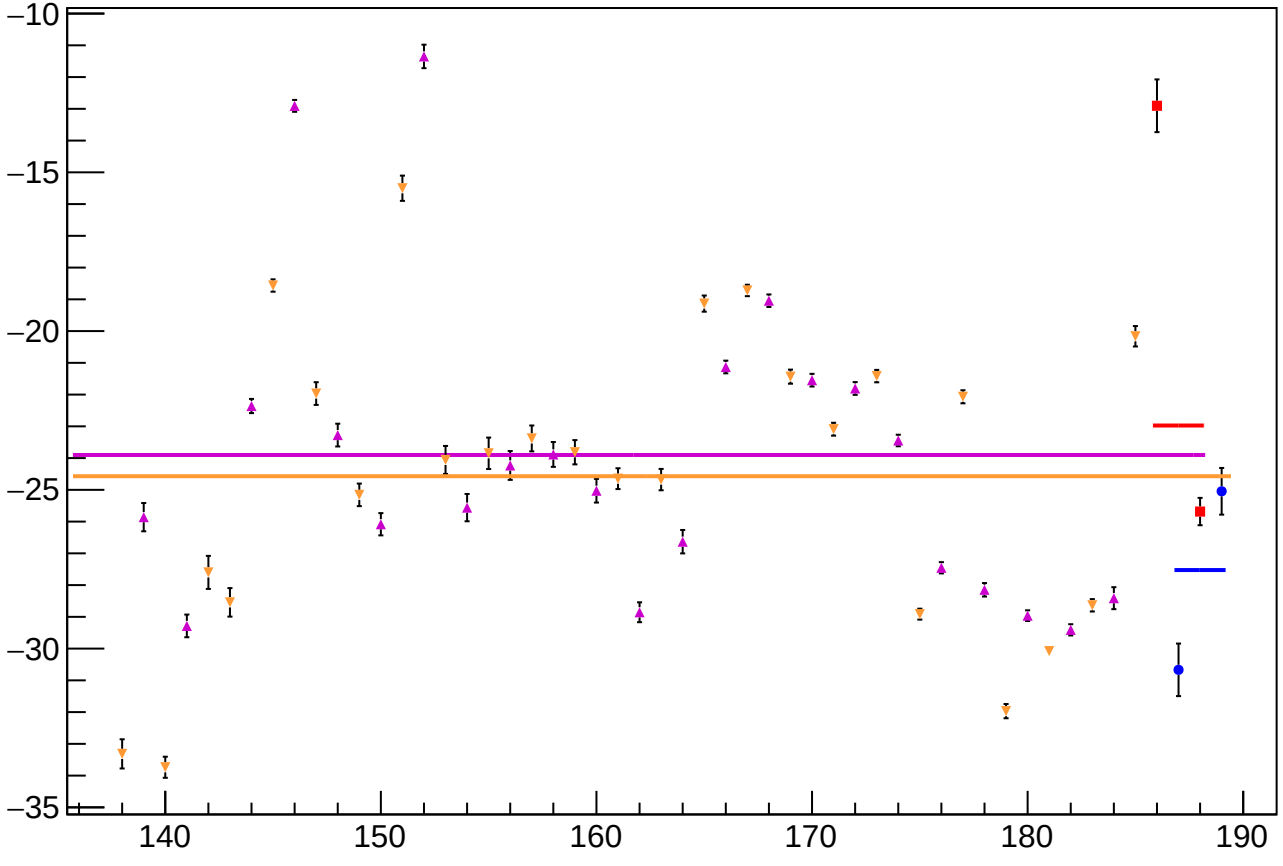
Left In: 0.270+/-0.004 $\chi^2$/NDF:973.5/22

+ sign 0.241+/-0.004 $\chi^2$/NDF: 2332.7/43

All: 0.239+/-0.003 $\chi^2$/NDF: 5518.8/87

- sign 0.238+/-0.004 $\chi^2$/NDF: 3186.0/43

# reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug




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

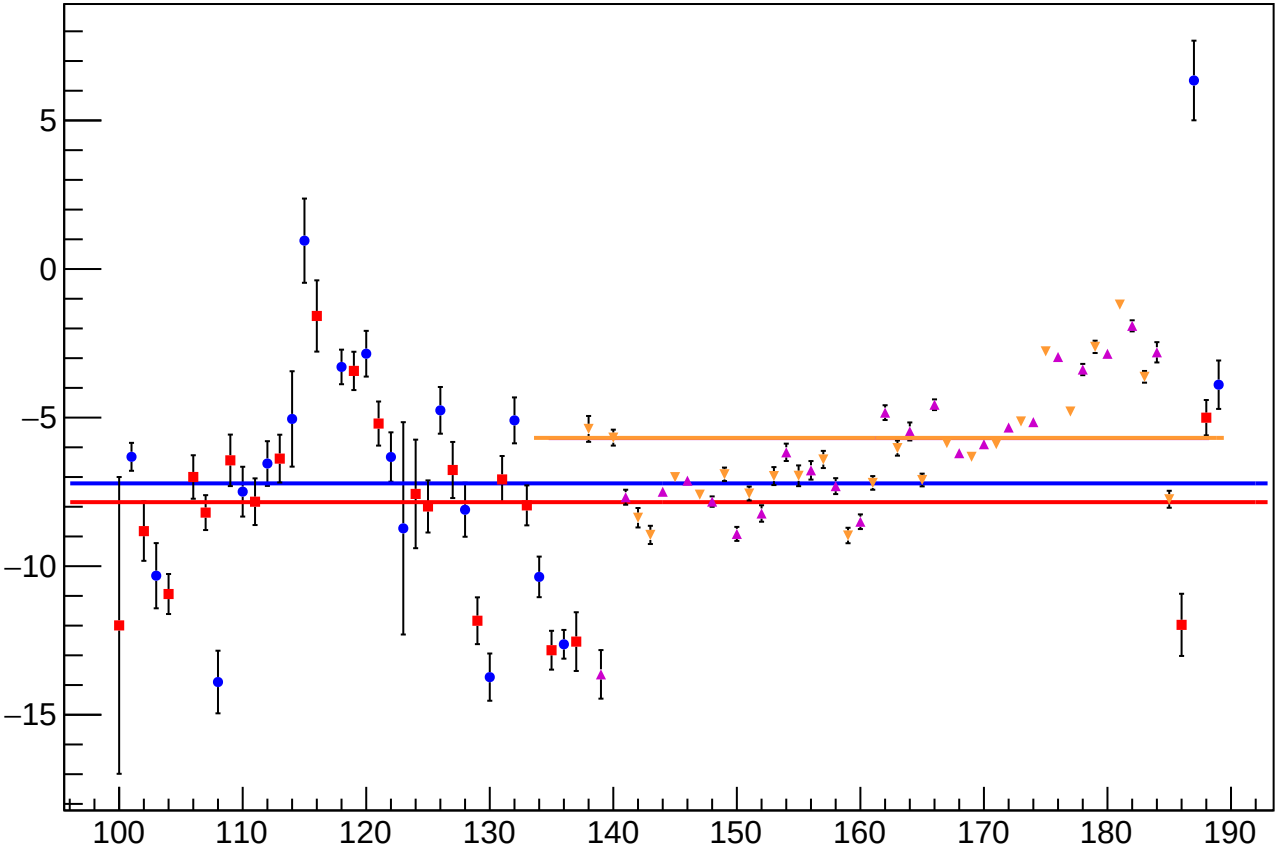
Left In: -23.902+/-0.051 $\chi^2$/NDF:9158.9/22

+ sign -24.596+/-0.051 $\chi^2$/NDF: 8664.4/26

All: -24.238+/-0.036 $\chi^2$/NDF: 18114.3/51

- sign -23.886+/-0.050 $\chi^2$/NDF: 9351.4/24

# reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug




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

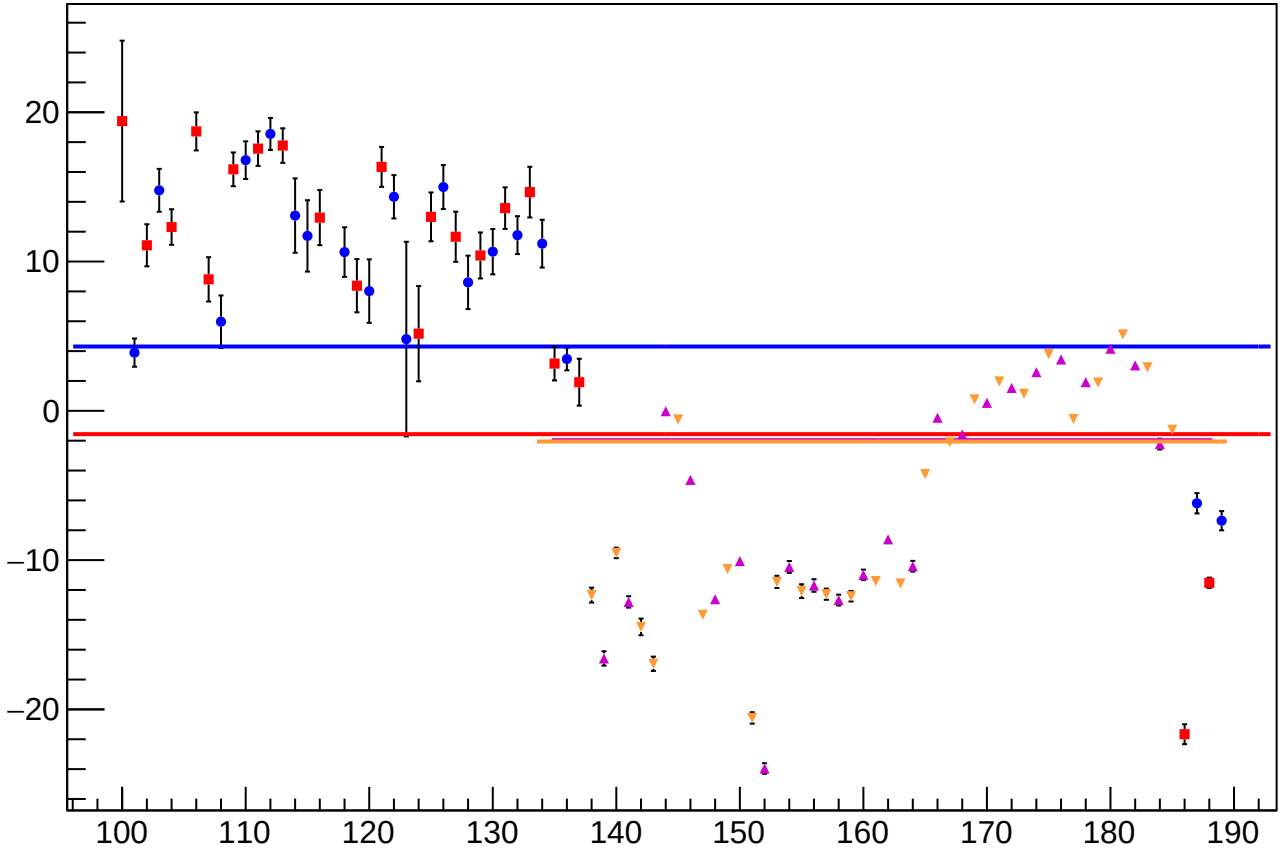
Left In: -5.690+/-0.041 $\chi^2$/NDF:2328.2/22

+ sign -5.759+/-0.040 $\chi^2$/NDF: 2818.2/43

All: -5.780+/-0.028 $\chi^2$/NDF: 5555.6/87

- sign -5.800+/-0.040 $\chi^2$/NDF: 2736.9/43

# reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug




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

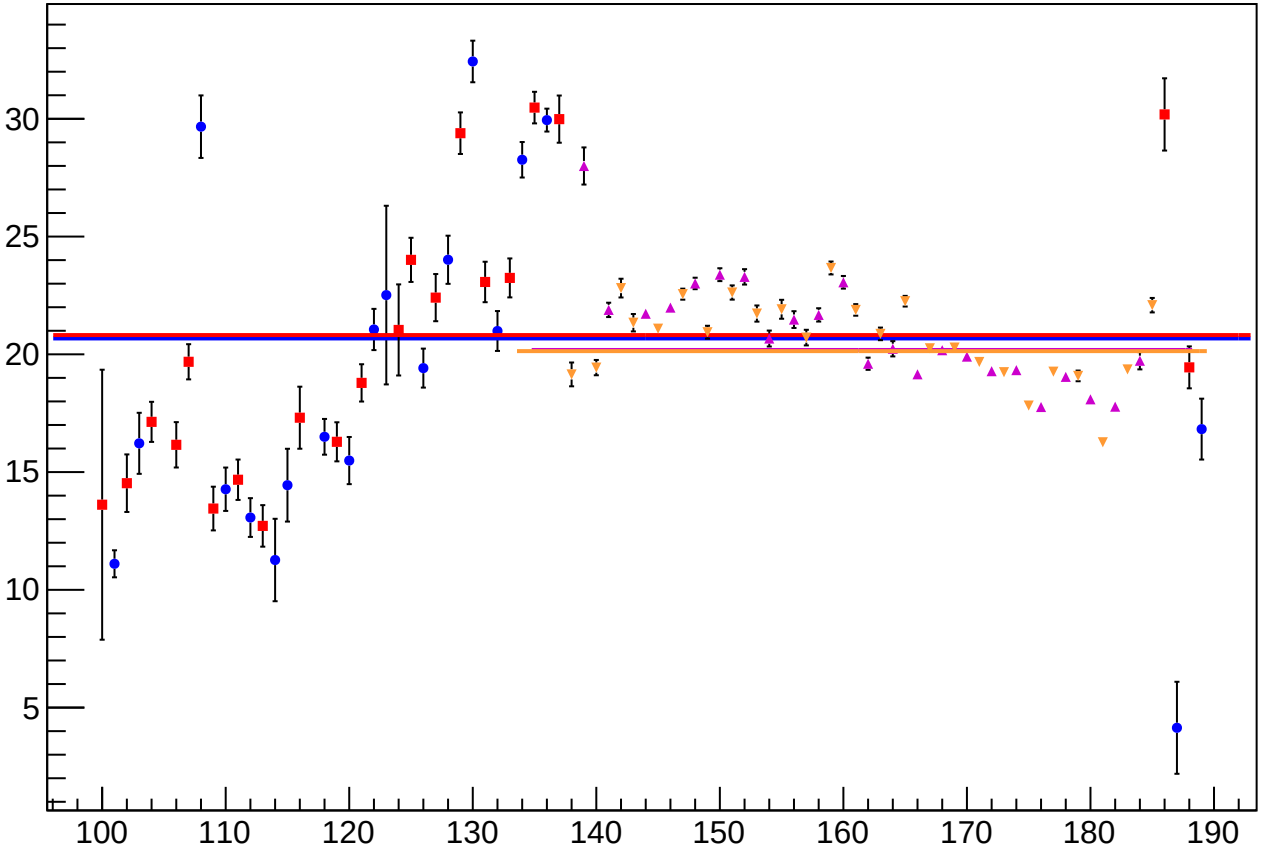
Left In: -1.963+/-0.051 $\chi^2$/NDF:15492.9/22

+ sign -1.837+/-0.051 $\chi^2$/NDF: 17679.5/43

All: -1.891+/-0.035 $\chi^2$/NDF: 36954.3/87

- sign -1.943+/-0.050 $\chi^2$/NDF: 19272.5/43

# reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug




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

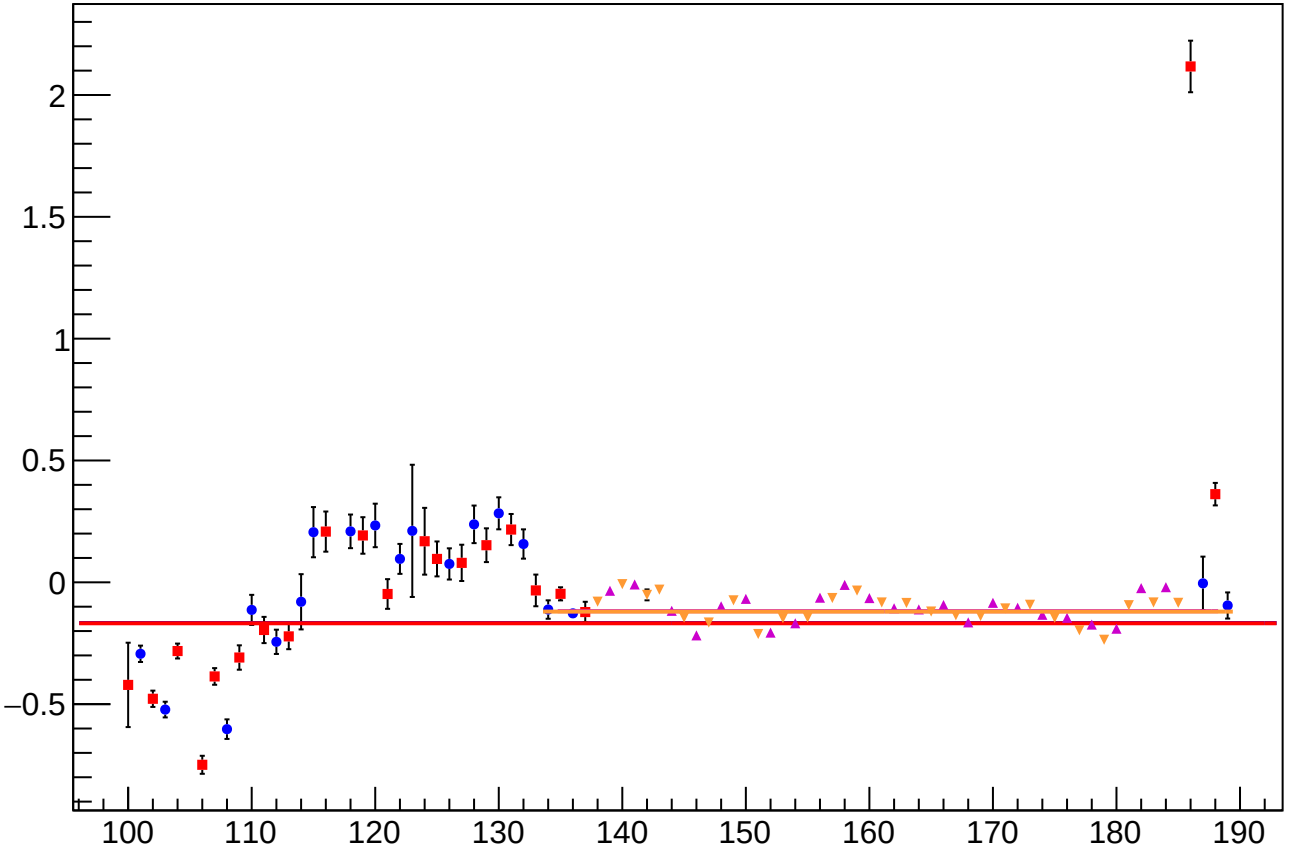
Left In: 20.184+/-0.046 $\chi^2$/NDF:1470.7/22

+ sign 20.162+/-0.045 $\chi^2$/NDF: 2728.7/43

All: 20.188+/-0.032 $\chi^2$/NDF: 4978.9/87

- sign 20.214+/-0.045 $\chi^2$/NDF: 2249.5/43

# reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug




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

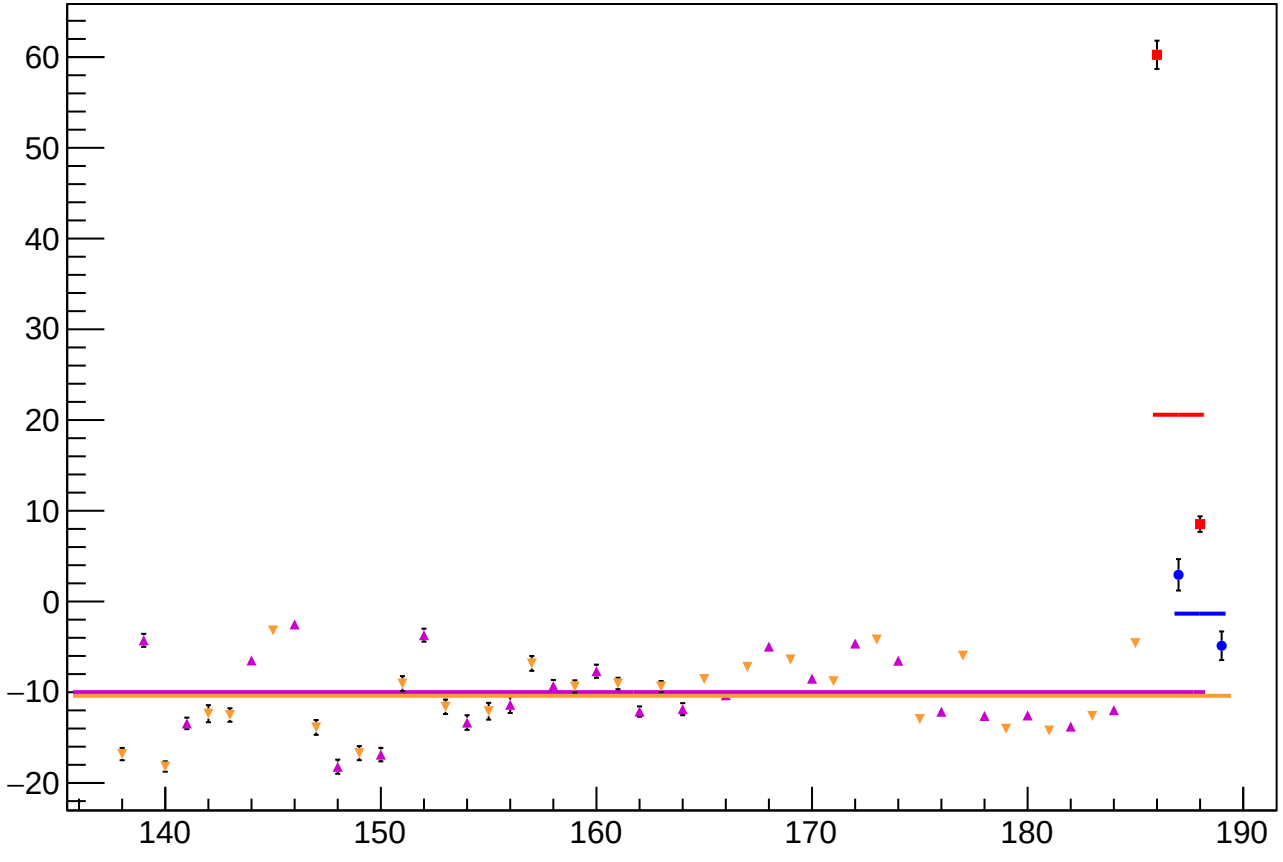
Left In: -0.118+/-0.002 $\chi^2$/NDF:727.5/22

+ sign -0.122+/-0.002 $\chi^2$/NDF: 1018.6/43

All: -0.121+/-0.001 $\chi^2$/NDF: 2926.1/87

- sign -0.120+/-0.002 $\chi^2$/NDF: 1907.3/43

# reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug




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

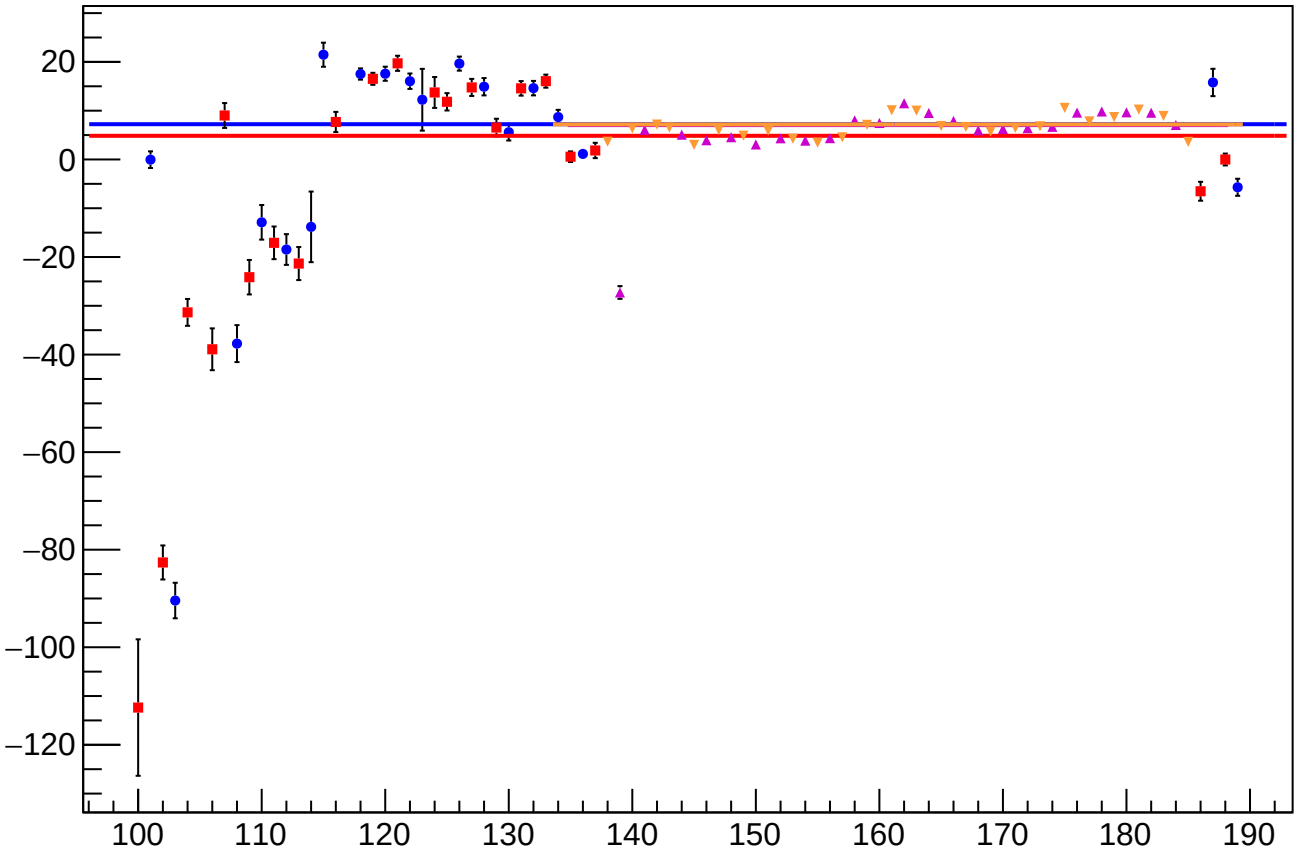
Left In: -9.990+/-0.089 $\chi^2$/NDF:1794.2/22

+ sign -10.341+/-0.088 $\chi^2$/NDF: 2183.6/26

All: -9.957+/-0.062 $\chi^2$/NDF: 6490.0/51

- sign -9.566+/-0.089 $\chi^2$/NDF: 4267.8/24

# reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug




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

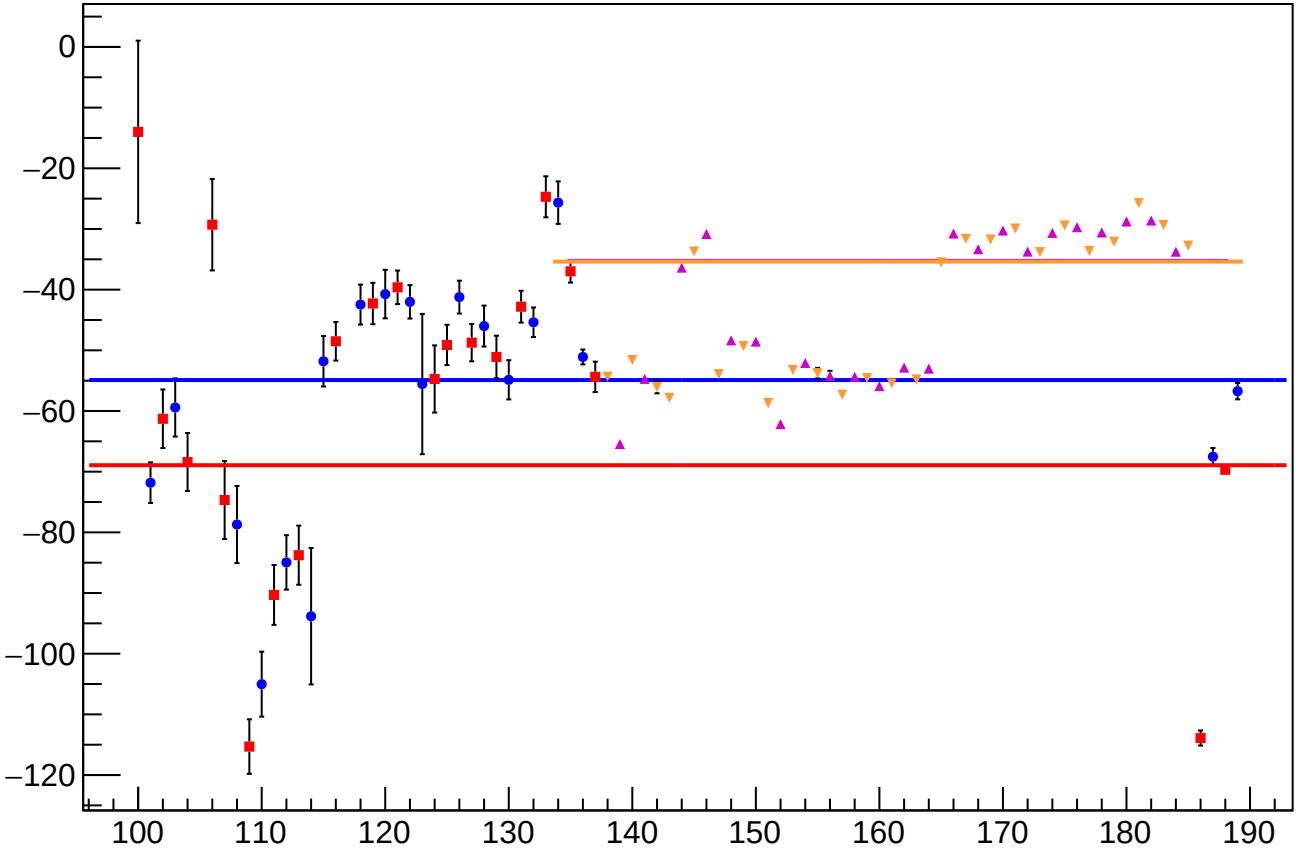
Left In: 7.043+/-0.074 $\chi^2$/NDF:1604.6/22

+ sign 7.188+/-0.072 $\chi^2$/NDF: 2340.4/43

All: 7.080+/-0.051 $\chi^2$/NDF: 5548.6/87

- sign 6.971+/-0.073 $\chi^2$/NDF: 3203.7/43

# reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug




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

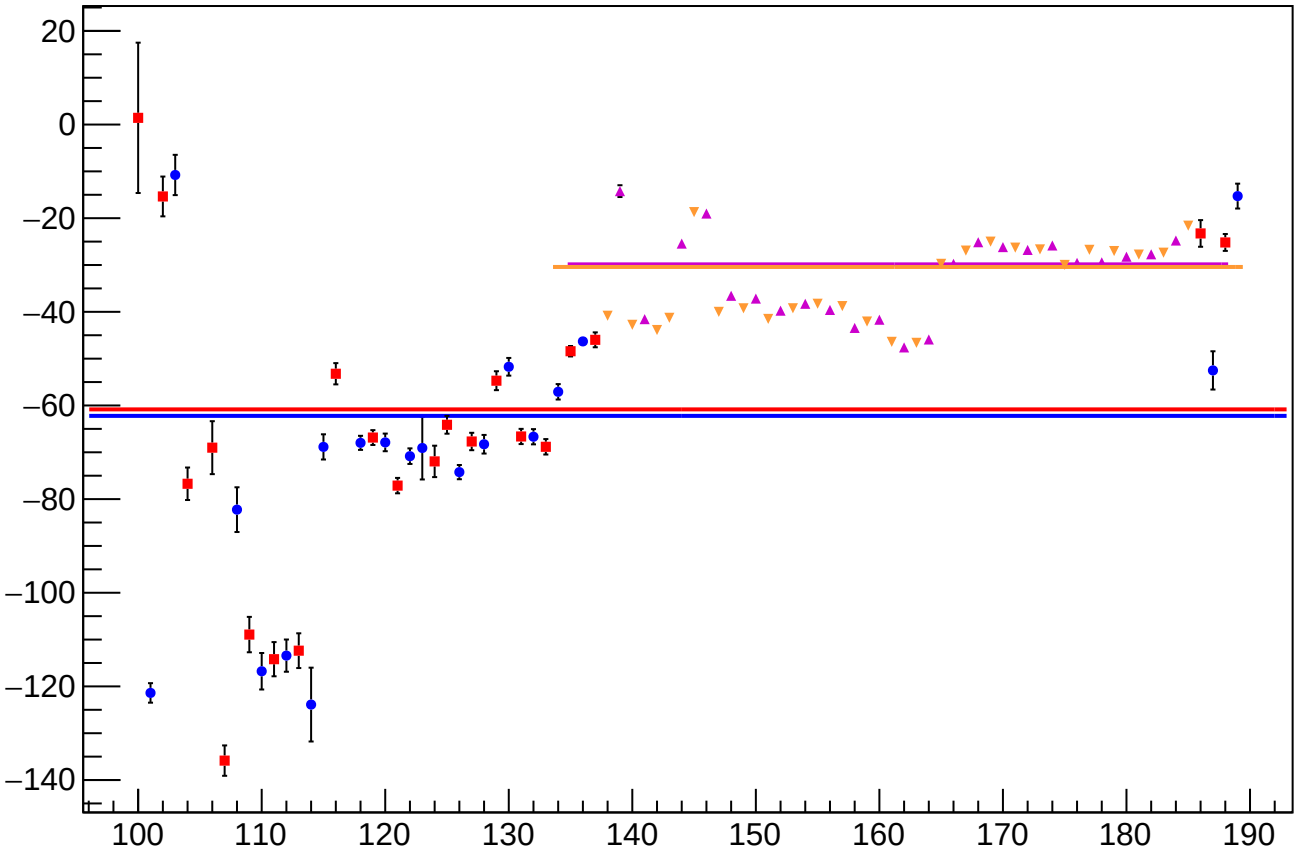
Left In: -35.260+/-0.090 $\chi^2$/NDF:11769.2/22

+ sign -35.813+/-0.088 $\chi^2$/NDF: 14143.3/43

All: -36.101+/-0.062 $\chi^2$/NDF: 33062.6/87

- sign -36.389+/-0.088 $\chi^2$/NDF: 18897.9/43

# reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug




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

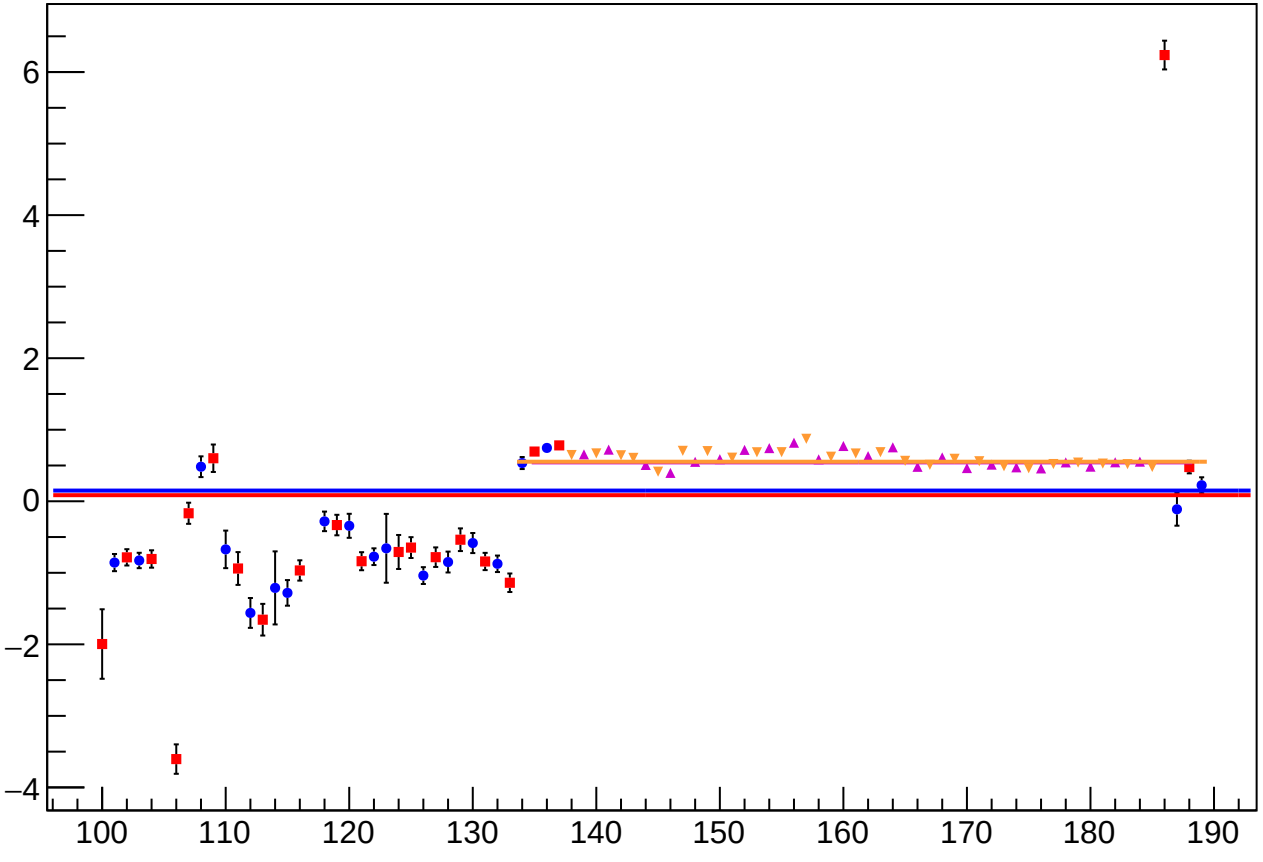
Left In: -29.863+/-0.082 $\chi^2$/NDF:7145.9/22

+ sign -31.488+/-0.080 $\chi^2$/NDF: 15600.4/43

All: -31.159+/-0.057 $\chi^2$/NDF: 29403.2/87

- sign -30.823+/-0.081 $\chi^2$/NDF: 13768.7/43

# reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug




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

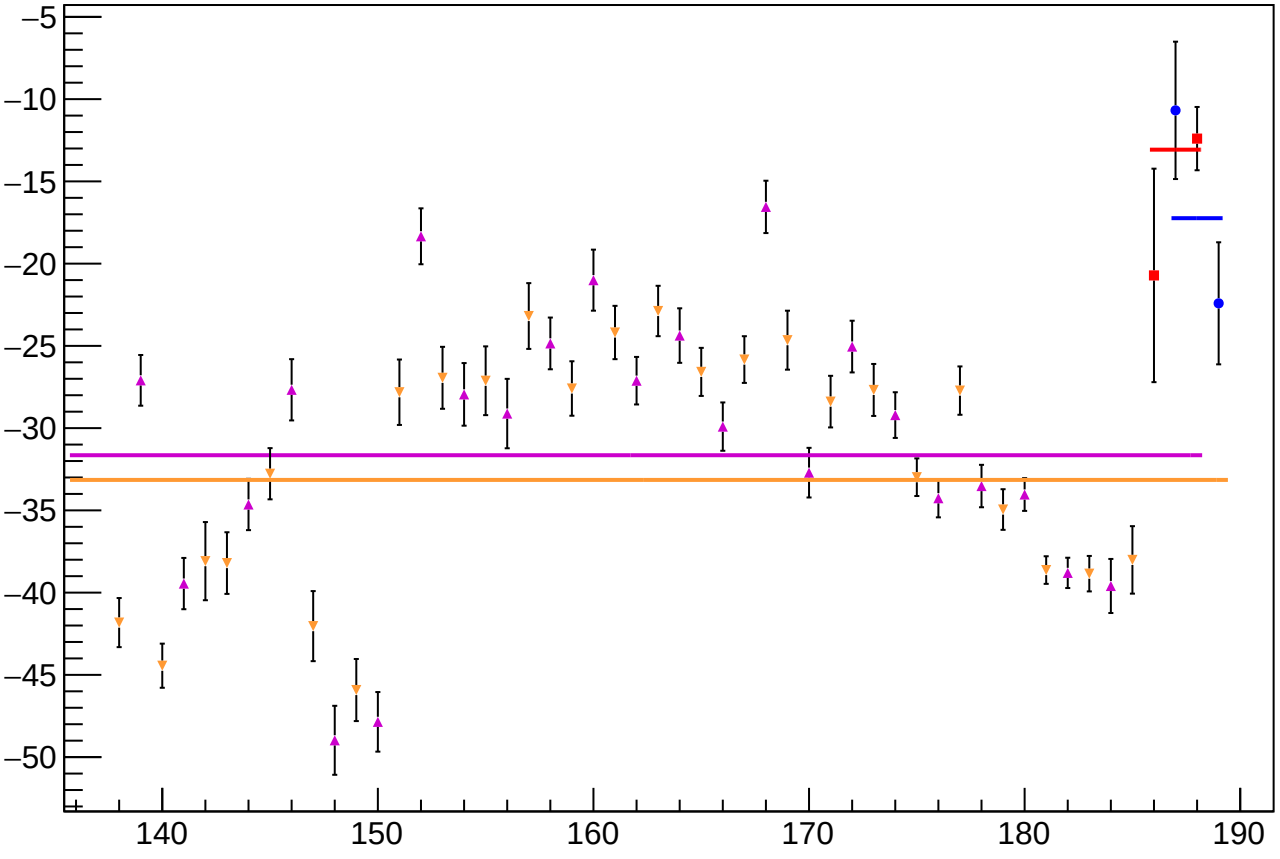
Left In: 0.544+/-0.004 $\chi^2$/NDF:659.2/22

+ sign 0.543+/-0.004 $\chi^2$/NDF: 1826.5/43

All: 0.538+/-0.003 $\chi^2$/NDF: 4972.6/87

- sign 0.533+/-0.004 $\chi^2$/NDF: 3142.7/43

# reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug




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

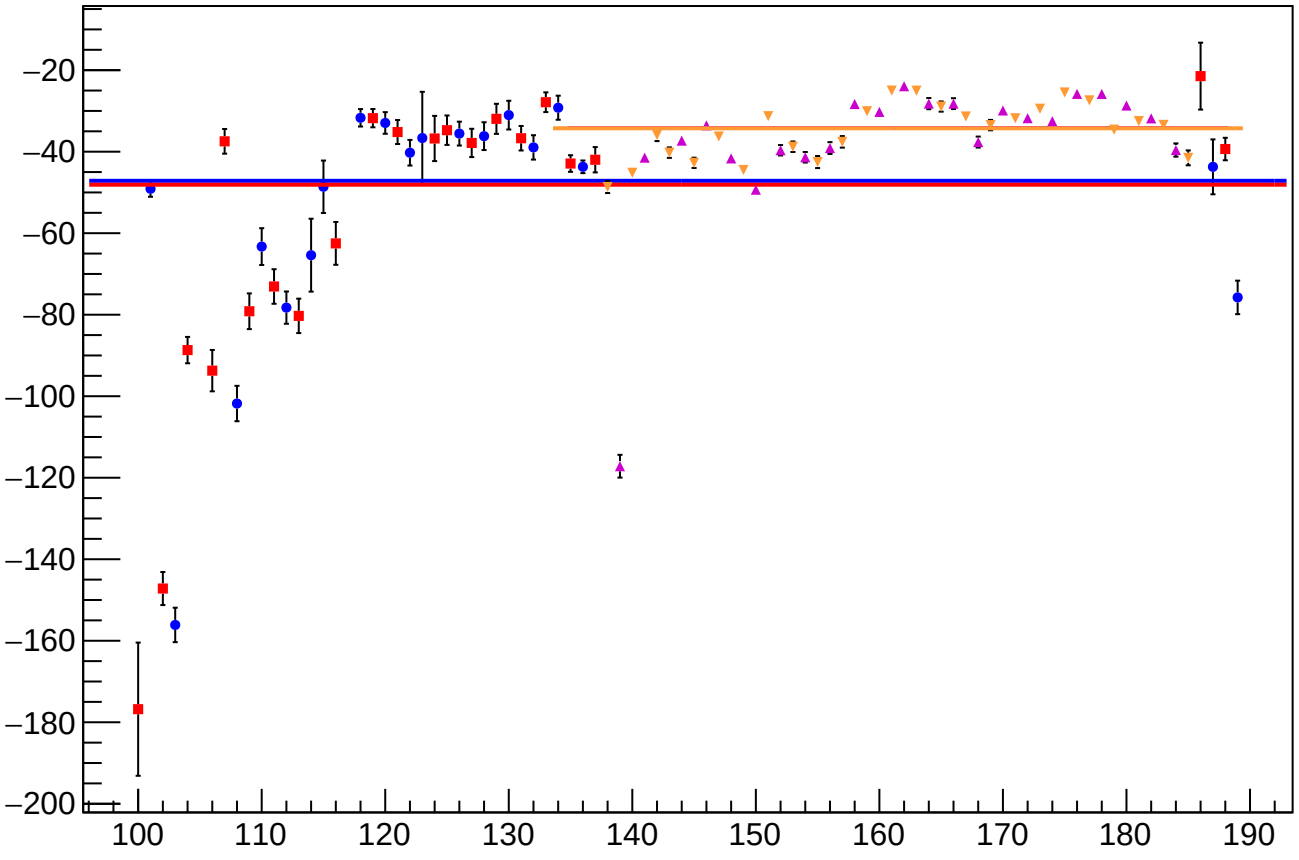
Left In: -31.647+/-0.308 $\chi^2$/NDF:546.9/22

+ sign -32.963+/-0.299 $\chi^2$/NDF: 536.9/26

All: -32.067+/-0.213 $\chi^2$/NDF: 1202.2/51

- sign -31.145+/-0.303 $\chi^2$/NDF: 647.1/24

# reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug




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

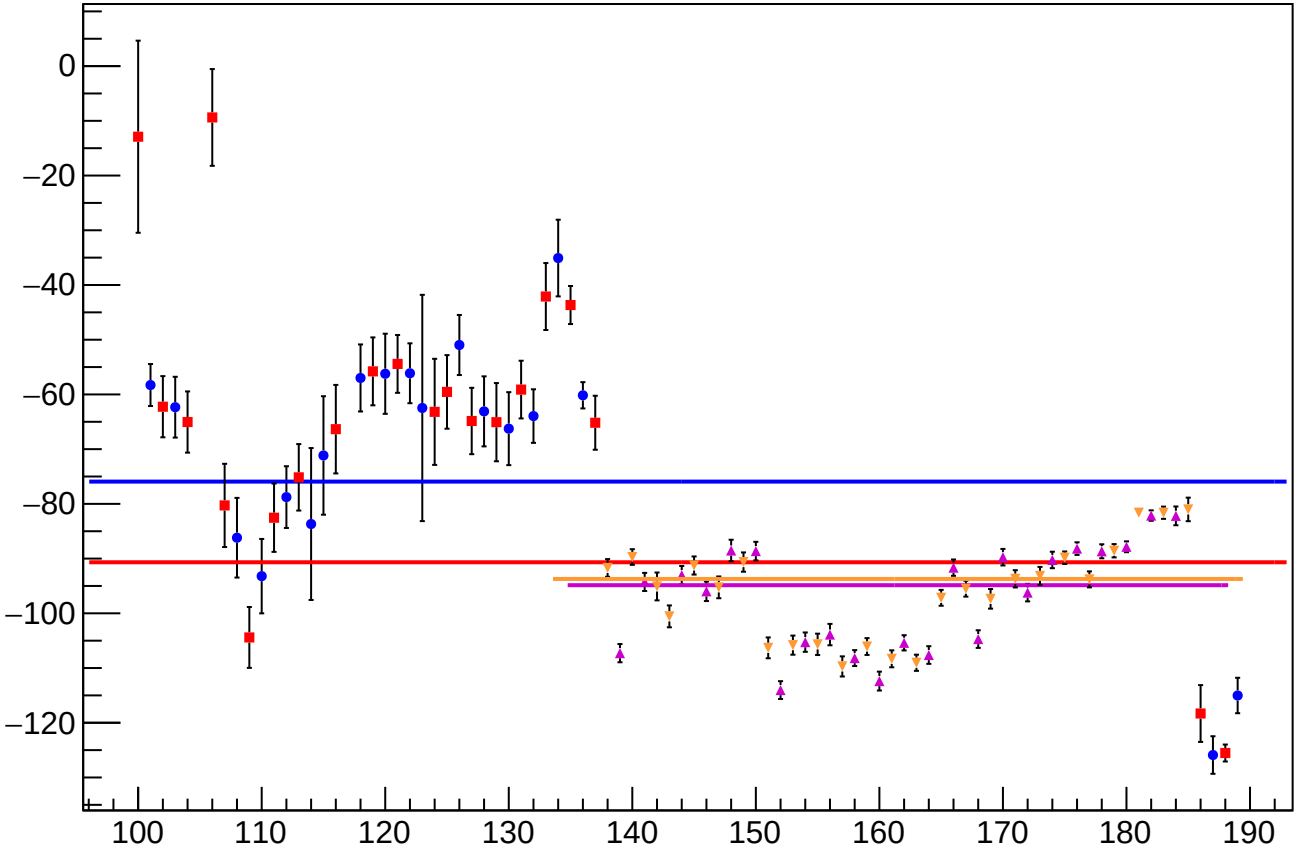
Left In: -34.189+/-0.250 $\chi^2$/NDF:1546.1/22

+ sign -35.606+/-0.229 $\chi^2$/NDF: 2124.3/43

All: -35.623+/-0.165 $\chi^2$/NDF: 5286.9/87

- sign -35.641+/-0.237 $\chi^2$/NDF: 3162.6/43

# reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug




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

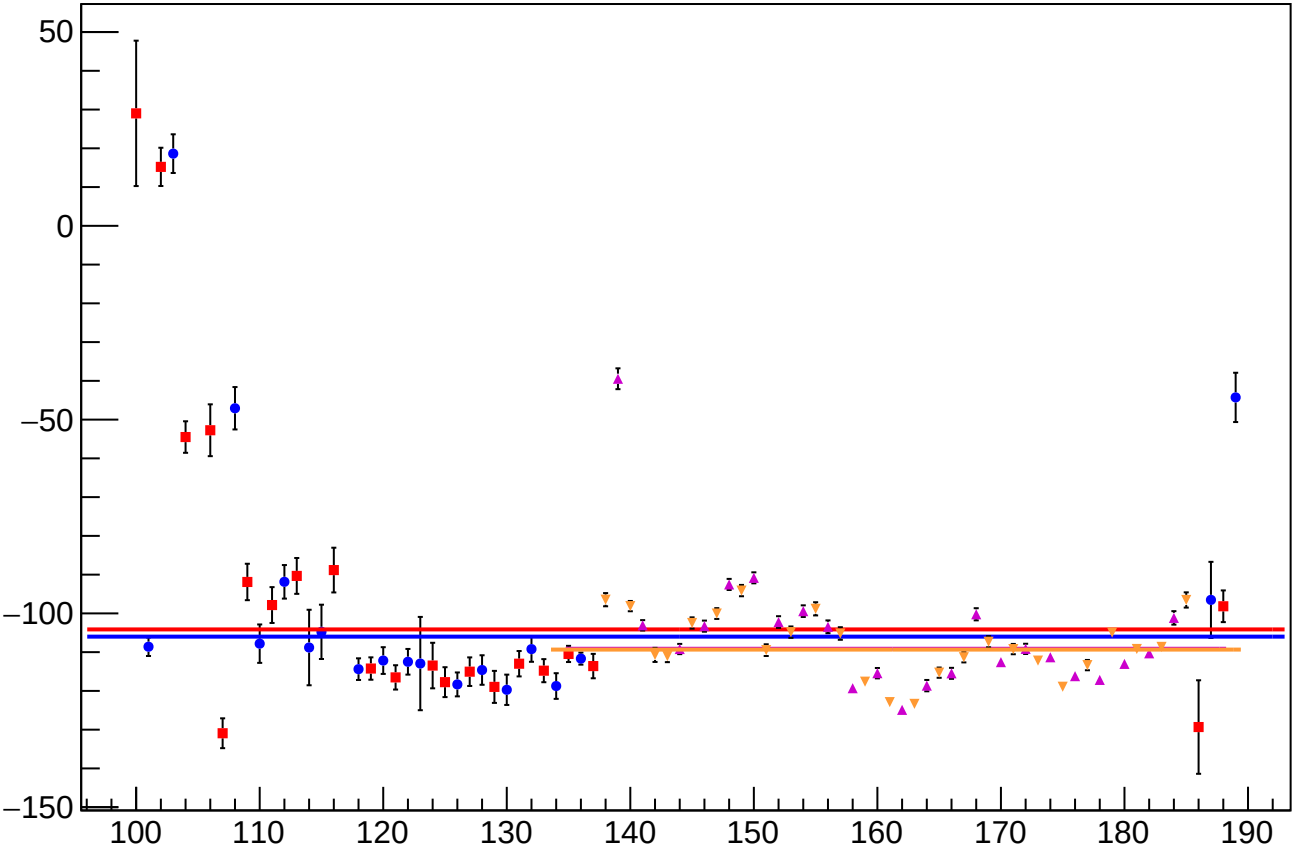
Left In: -94.861+/-0.307 $\chi^2$/NDF:985.5/22

+ sign -92.560+/-0.292 $\chi^2$/NDF: 1638.3/43

All: -93.527+/-0.207 $\chi^2$/NDF: 3818.9/87

- sign -94.506+/-0.294 $\chi^2$/NDF: 2158.6/43

# reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug




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

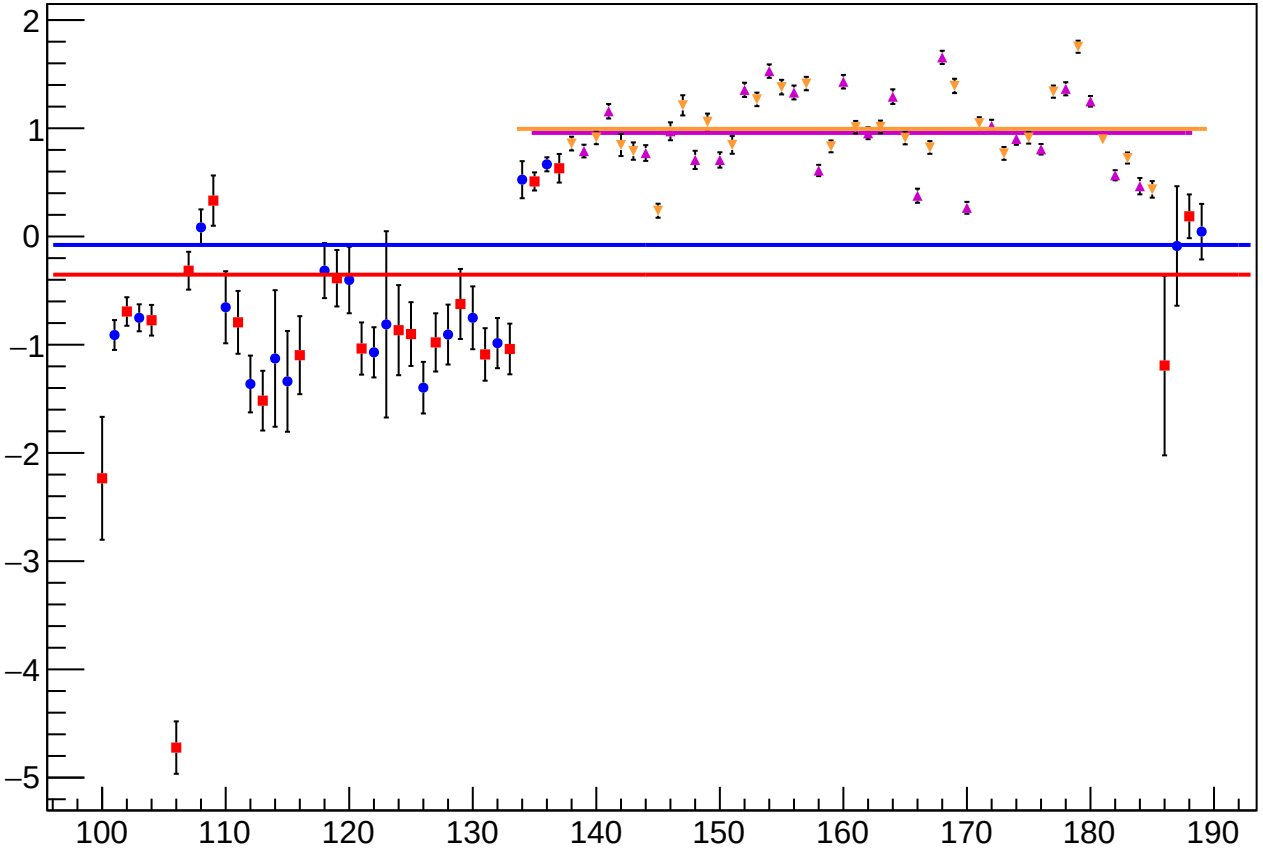
Left In: -109.126+/-0.279 $\chi^2$/NDF:1578.7/22

+ sign -108.994+/-0.257 $\chi^2$/NDF: 1767.0/43

All: -108.817+/-0.185 $\chi^2$/NDF: 4403.6/87

- sign -108.630+/-0.265 $\chi^2$/NDF: 2635.7/43

# reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug




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

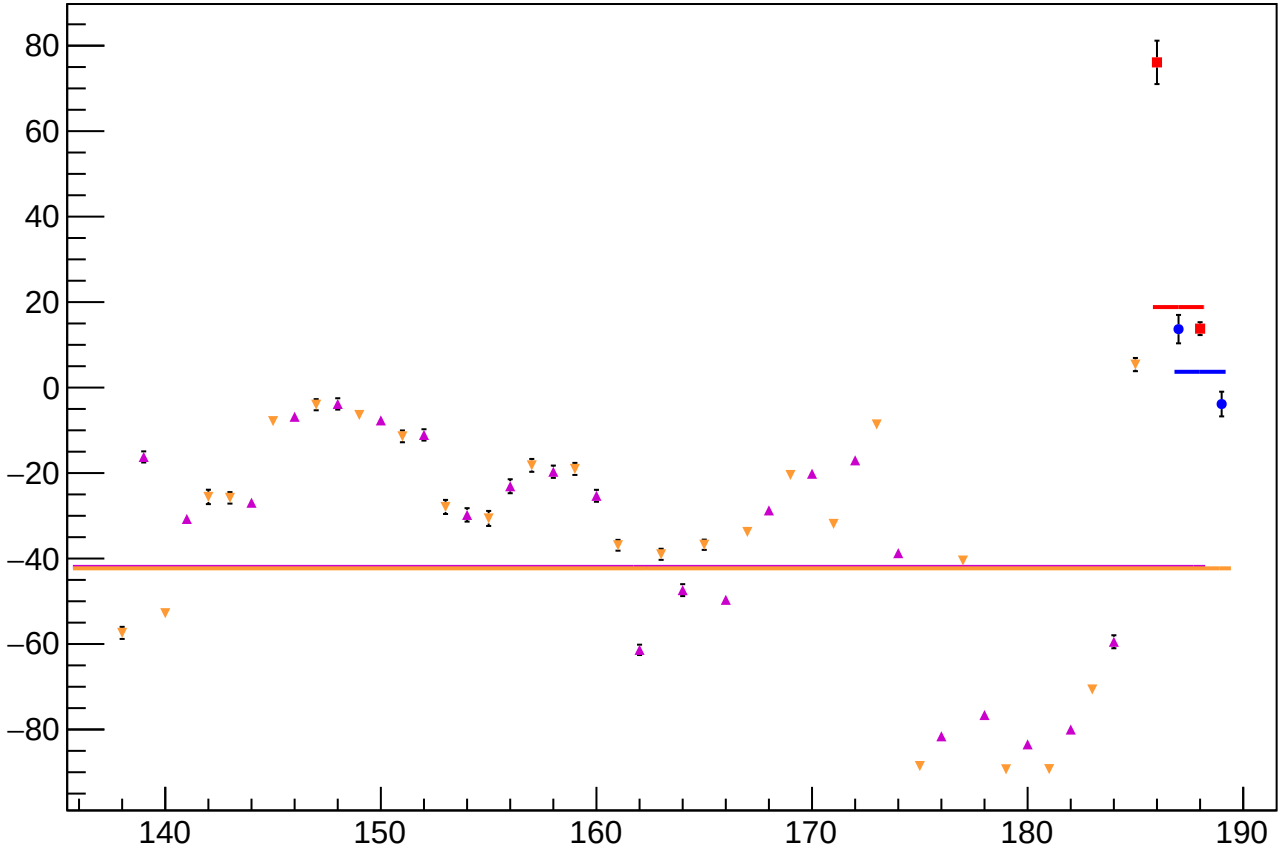
Left In: 0.957+/-0.013 $\chi^2$/NDF:896.5/22

+ sign 0.906+/-0.012 $\chi^2$/NDF: 1577.8/43

All: 0.880+/-0.008 $\chi^2$/NDF: 3935.9/87

- sign 0.853+/-0.012 $\chi^2$/NDF: 2348.1/43

# reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug




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

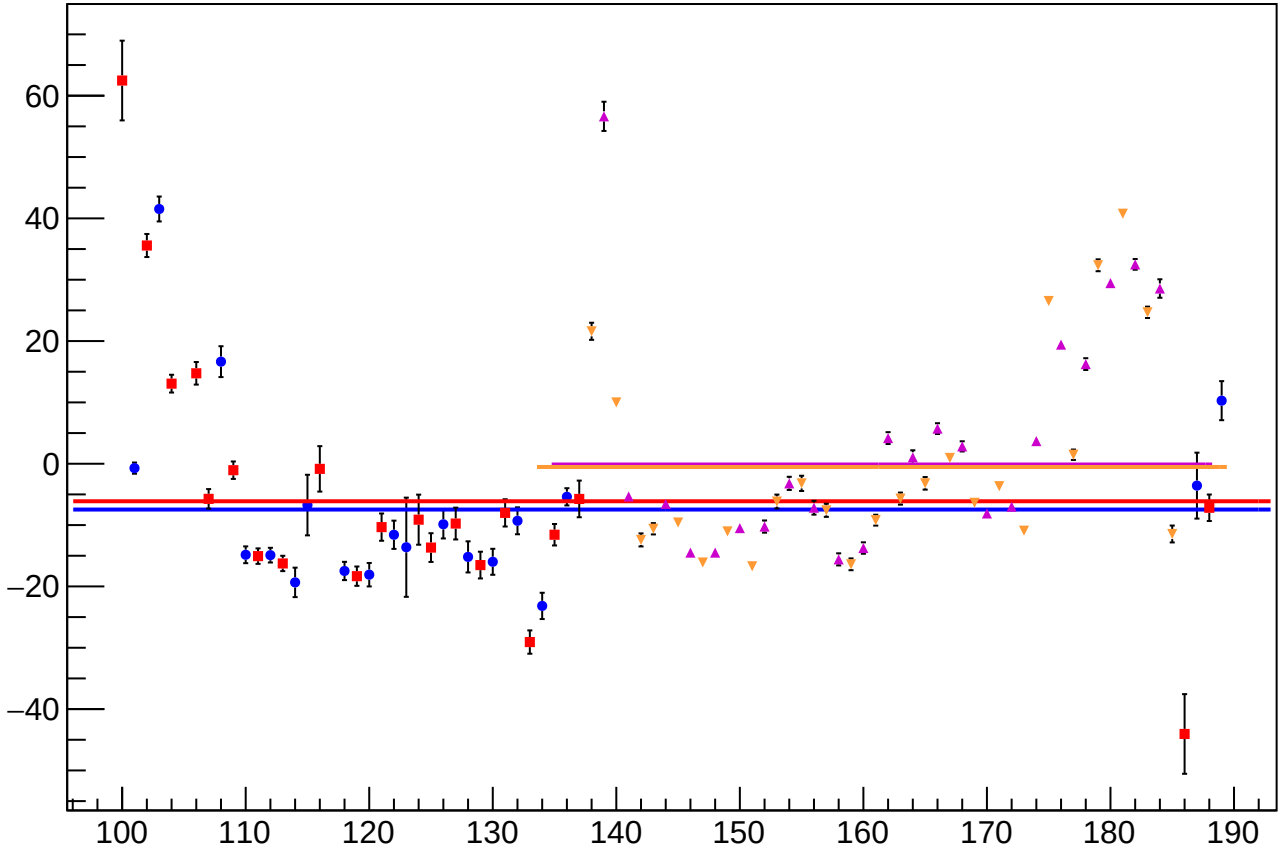
Left In: -41.955+/-0.226 $\chi^2$/NDF:14723.4/22

+ sign -41.821+/-0.221 $\chi^2$/NDF: 18723.6/26

All: -41.169+/-0.157 $\chi^2$/NDF: 35329.9/51

- sign -40.505+/-0.223 $\chi^2$/NDF: 16588.7/24

# reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug




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

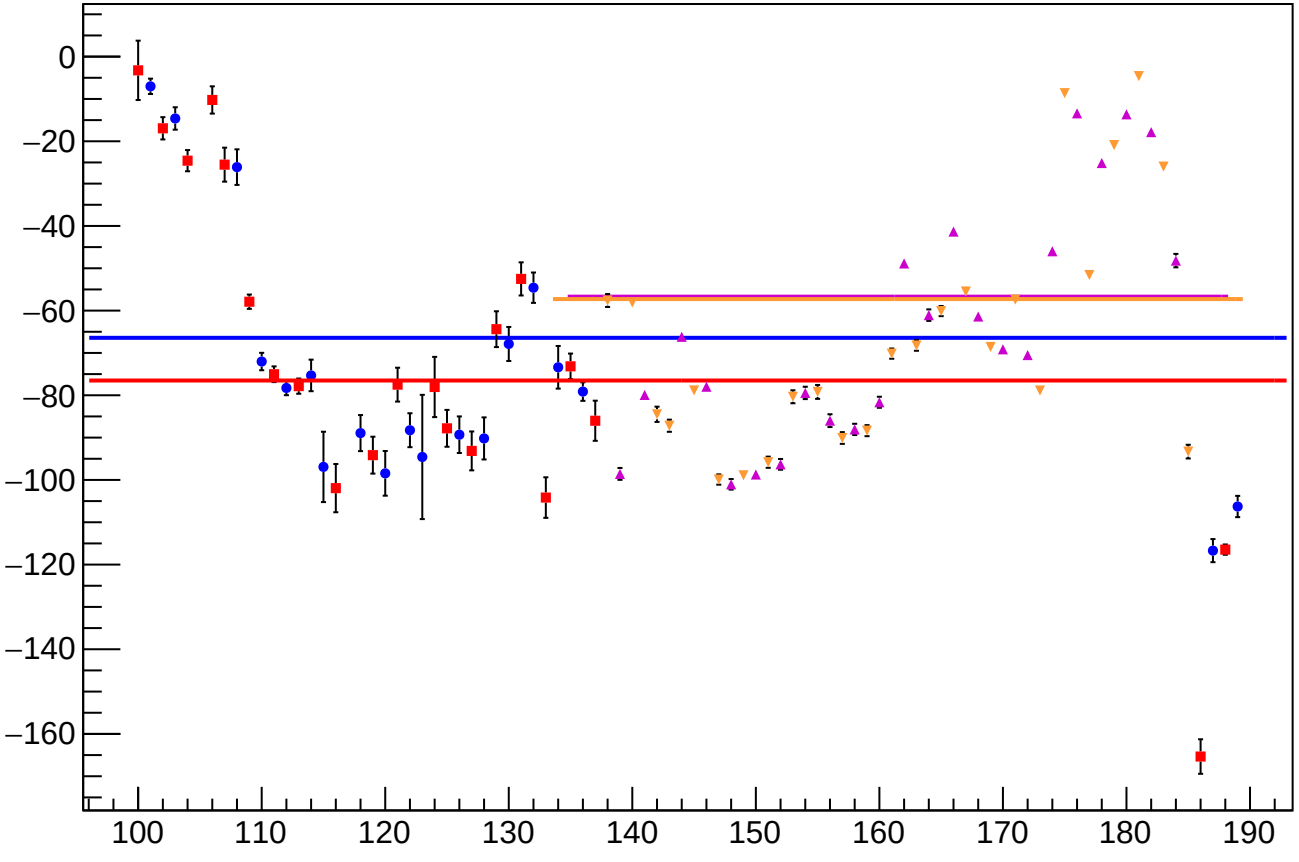
Left In: -0.125+/-0.179 $\chi^2$/NDF:6925.0/22

+ sign -1.542+/-0.161 $\chi^2$/NDF: 9953.6/43

All: -1.297+/-0.115 $\chi^2$/NDF: 18383.4/87

- sign -1.042+/-0.164 $\chi^2$/NDF: 8425.0/43

# reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug




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

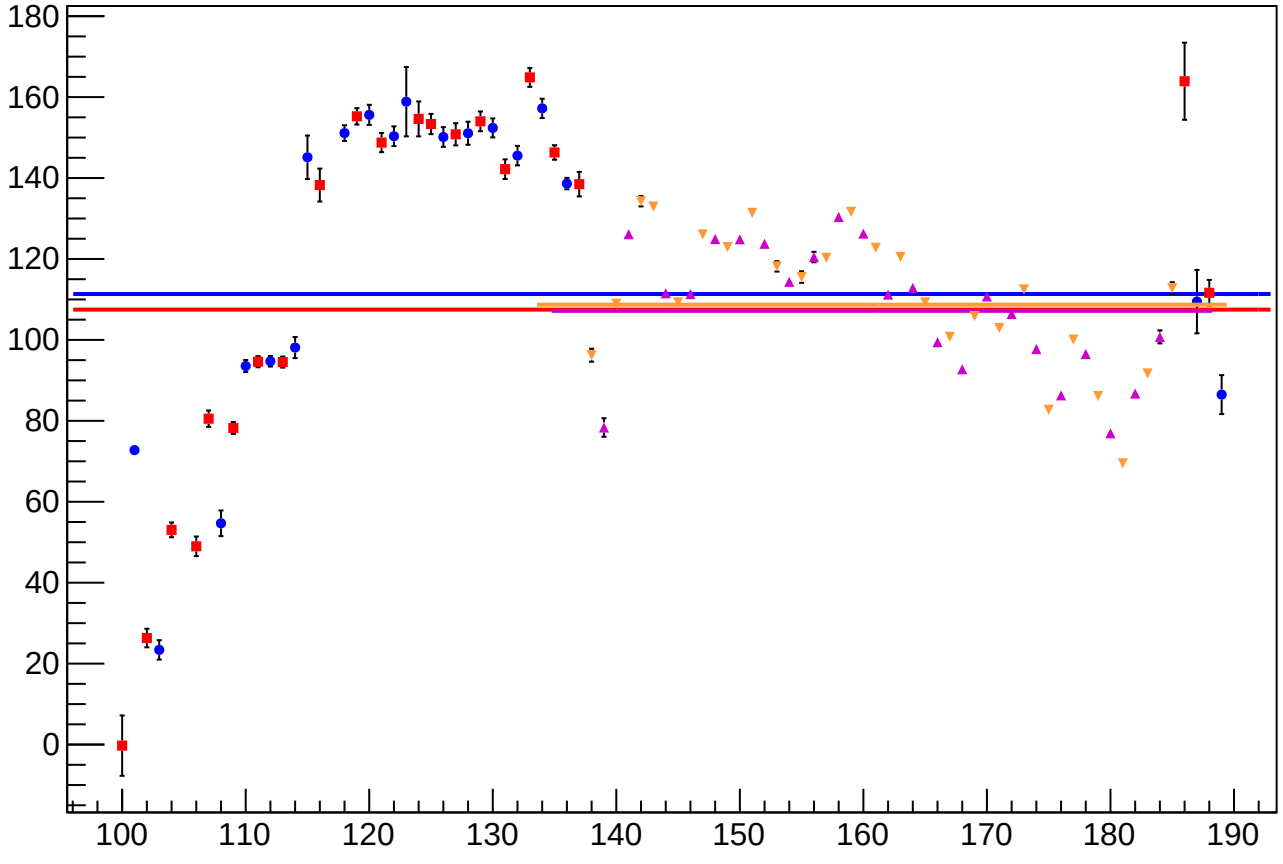
Left In: -56.705+/-0.226 $\chi^2$/NDF:16547.5/22

+ sign -58.145+/-0.213 $\chi^2$/NDF: 21074.6/43

All: -58.648+/-0.150 $\chi^2$/NDF: 42030.0/87

- sign -59.146+/-0.212 $\chi^2$/NDF: 20944.3/43

# reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug




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

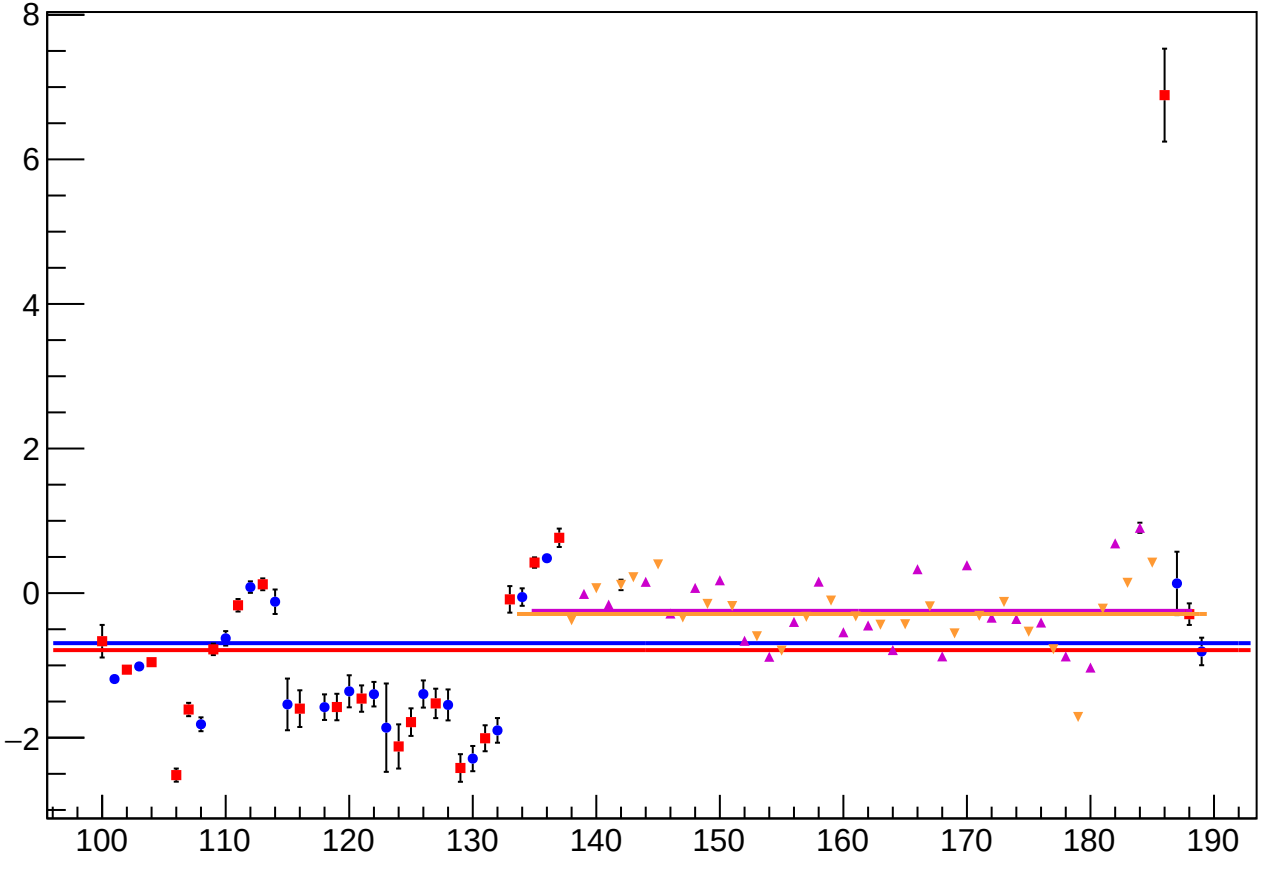
Left In: 107.180+/-0.202 $\chi^2$/NDF:5592.3/22

+ sign 109.086+/-0.183 $\chi^2$/NDF: 13308.8/43

All: 108.171+/-0.130 $\chi^2$/NDF: 26026.8/87

- sign 107.225+/-0.186 $\chi^2$/NDF: 12667.1/43

# reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug




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

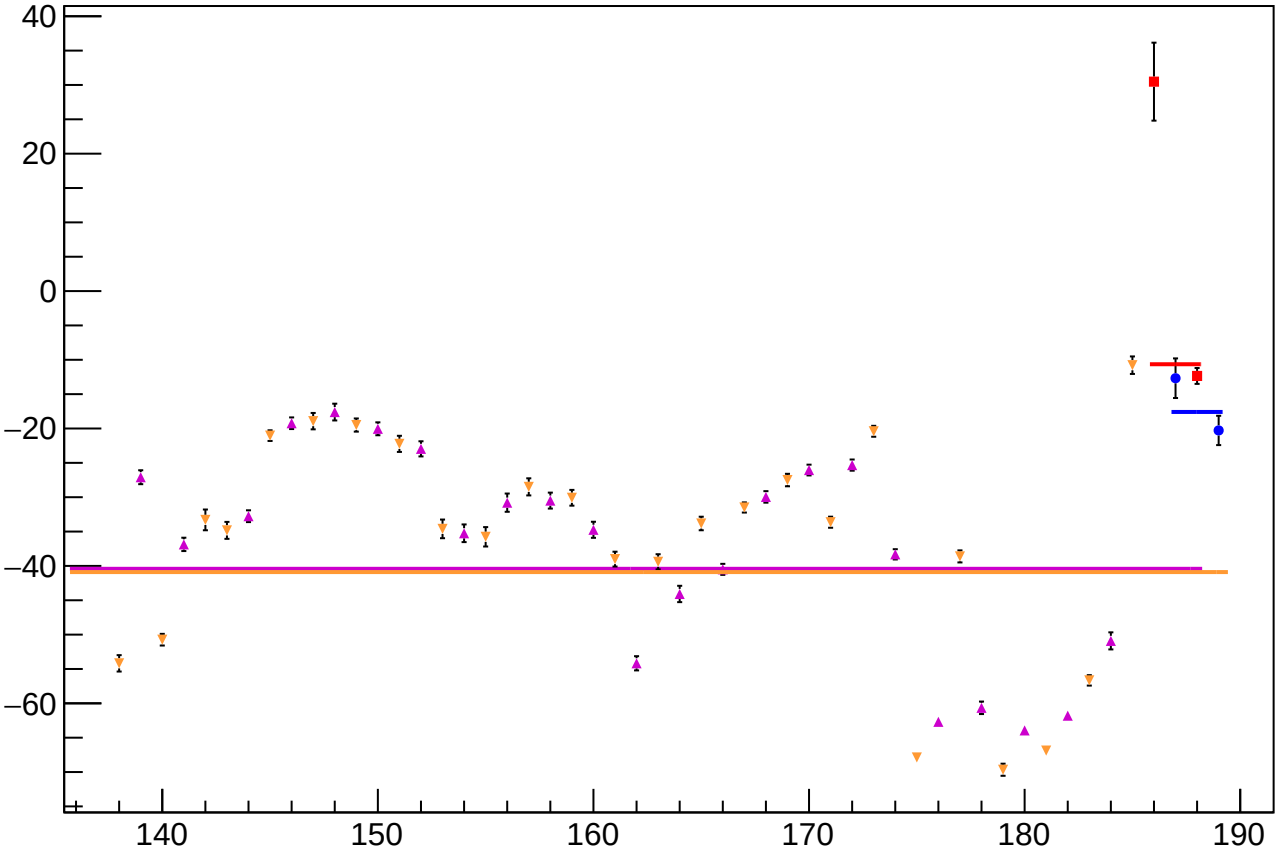
Left In: -0.246+/-0.009 $\chi^2$/NDF:2804.3/22

+ sign -0.334+/-0.009 $\chi^2$/NDF: 3258.9/43

All: -0.325+/-0.006 $\chi^2$/NDF: 7977.2/87

- sign -0.315+/-0.009 $\chi^2$/NDF: 4715.8/43

# reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug




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

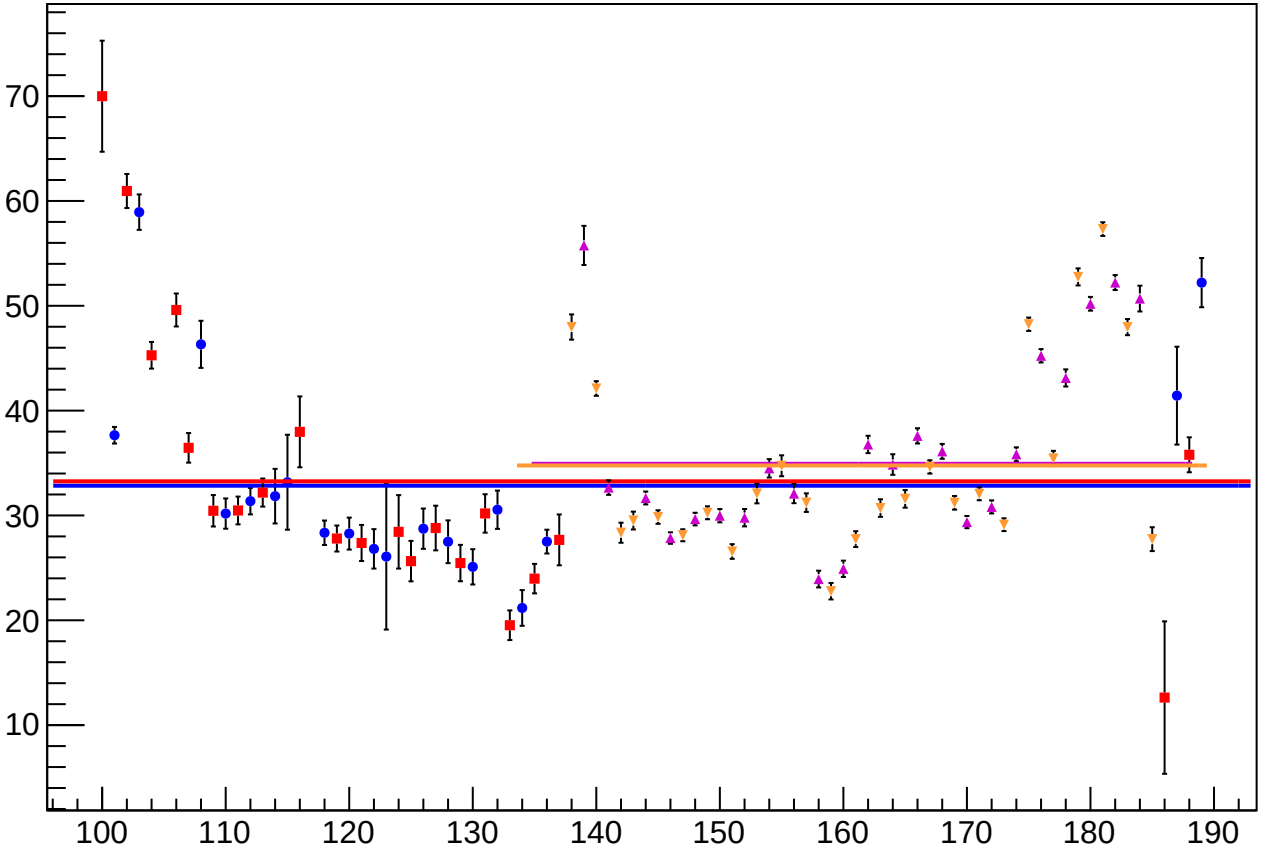
Left In: -40.422+/-0.189 $\chi^2$/NDF:7030.2/22

+ sign -40.625+/-0.185 $\chi^2$/NDF: 9301.7/26

All: -40.122+/-0.131 $\chi^2$/NDF: 17074.7/51

- sign -39.615+/-0.186 $\chi^2$/NDF: 7758.2/24

# reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug




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

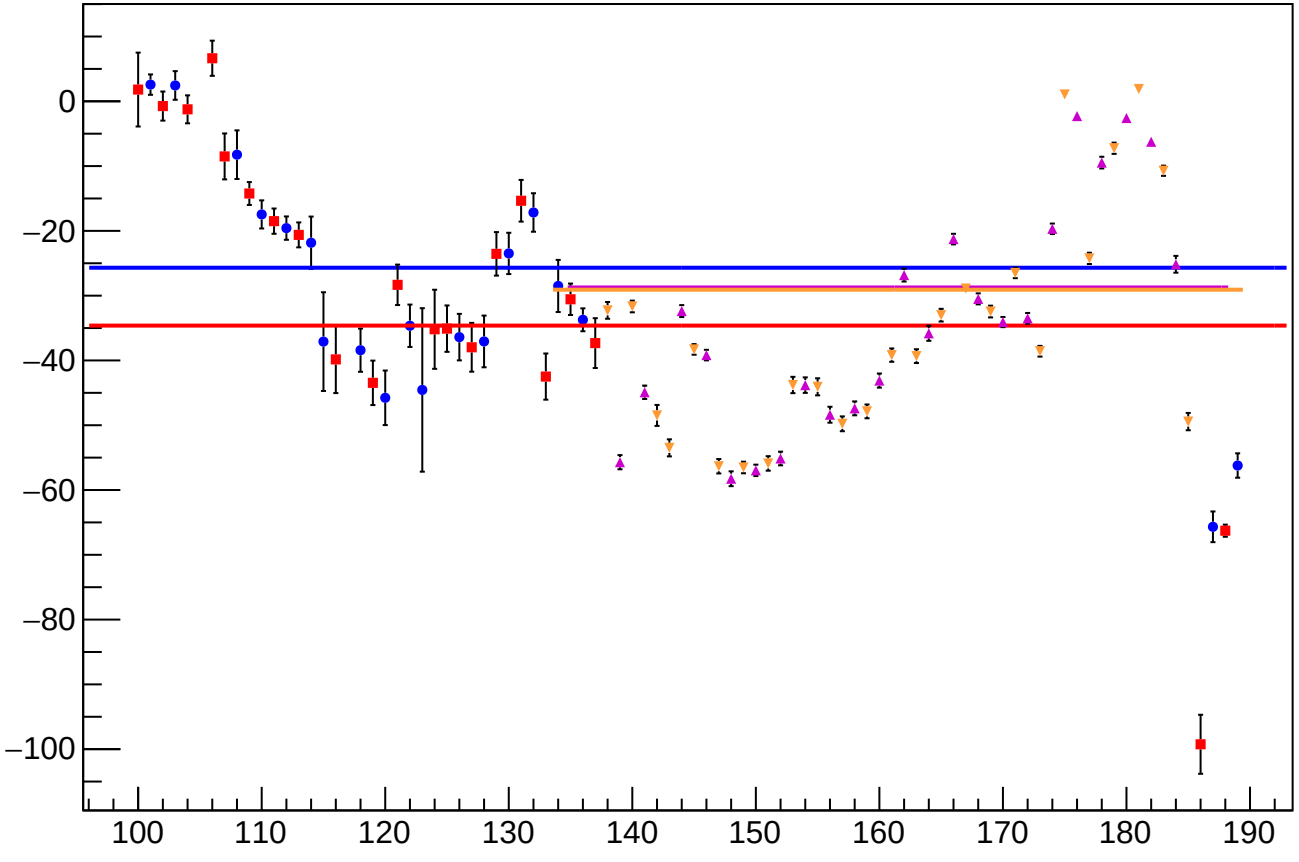
Left In: 34.928+/-0.151 $\chi^2$/NDF:2688.4/22

+ sign 34.498+/-0.137 $\chi^2$/NDF: 4227.0/43

All: 34.591+/-0.098 $\chi^2$/NDF: 7714.6/87

- sign 34.688+/-0.140 $\chi^2$/NDF: 3486.7/43

# reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug




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

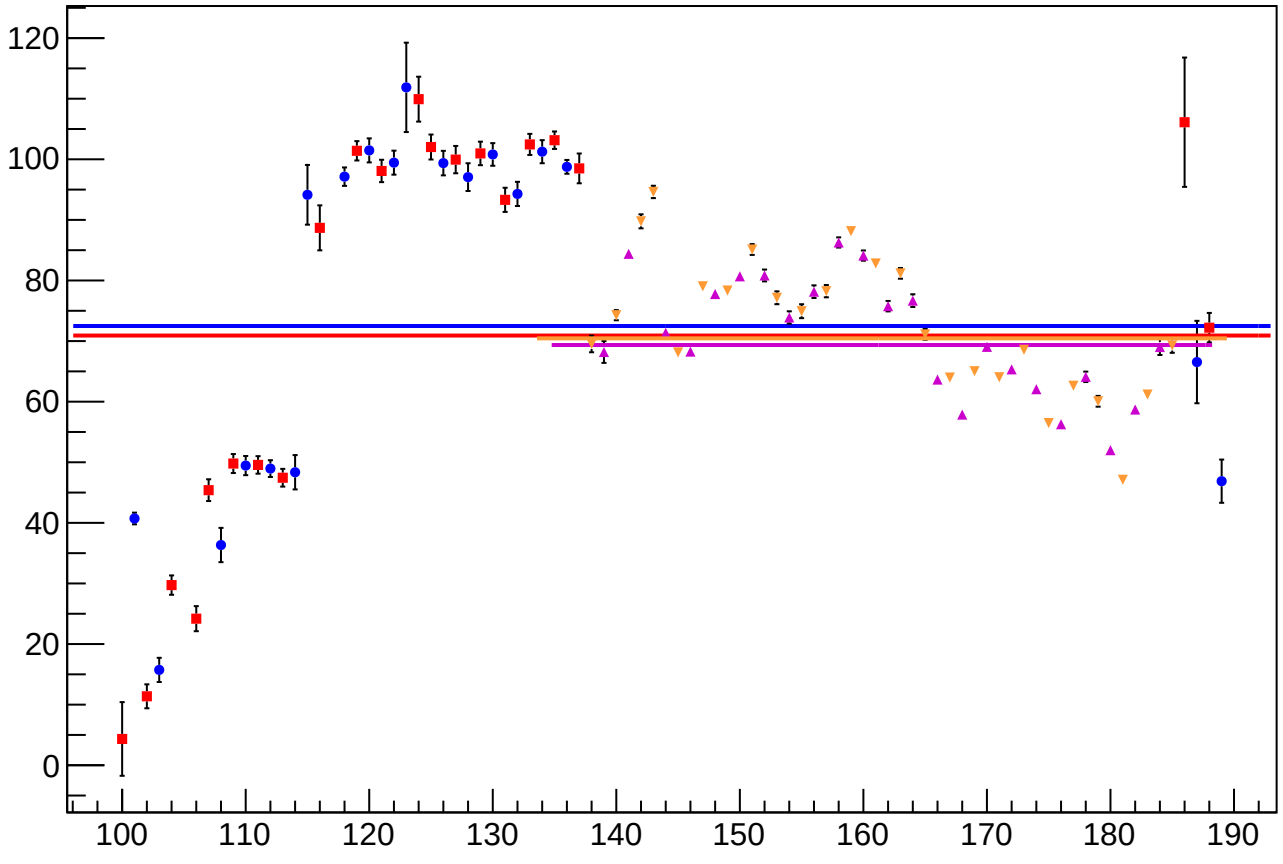
Left In: -28.735+/-0.189 $\chi^2$/NDF:9155.5/22

+ sign -28.785+/-0.179 $\chi^2$/NDF: 11265.1/43

All: -29.098+/-0.126 $\chi^2$/NDF: 23002.6/87

- sign -29.407+/-0.178 $\chi^2$/NDF: 11731.4/43

# reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug




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

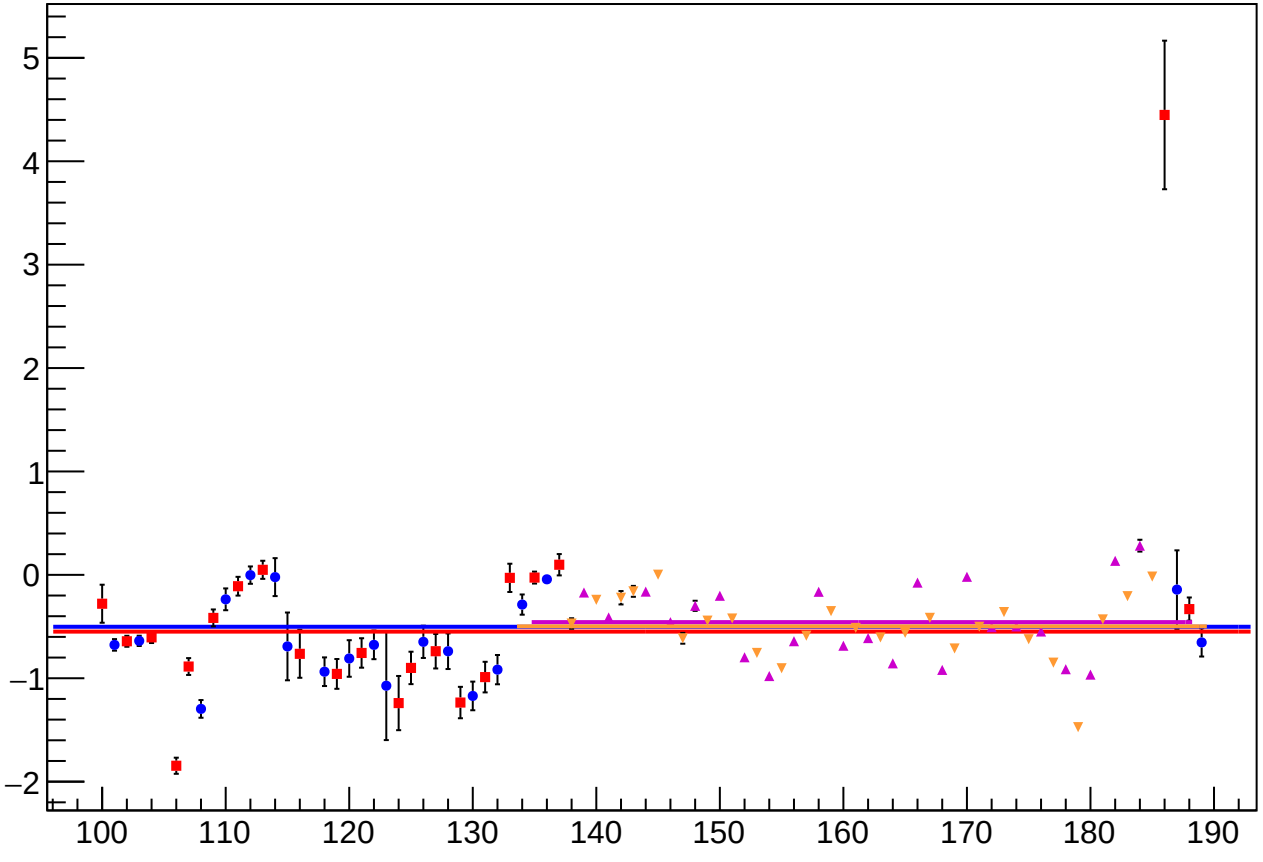
Left In: 69.350+/-0.170 $\chi^2$/NDF:3330.7/22

+ sign 70.724+/-0.155 $\chi^2$/NDF: 9295.9/43

All: 70.154+/-0.110 $\chi^2$/NDF: 18166.3/87

- sign 69.564+/-0.158 $\chi^2$/NDF: 8842.9/43

# reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug




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

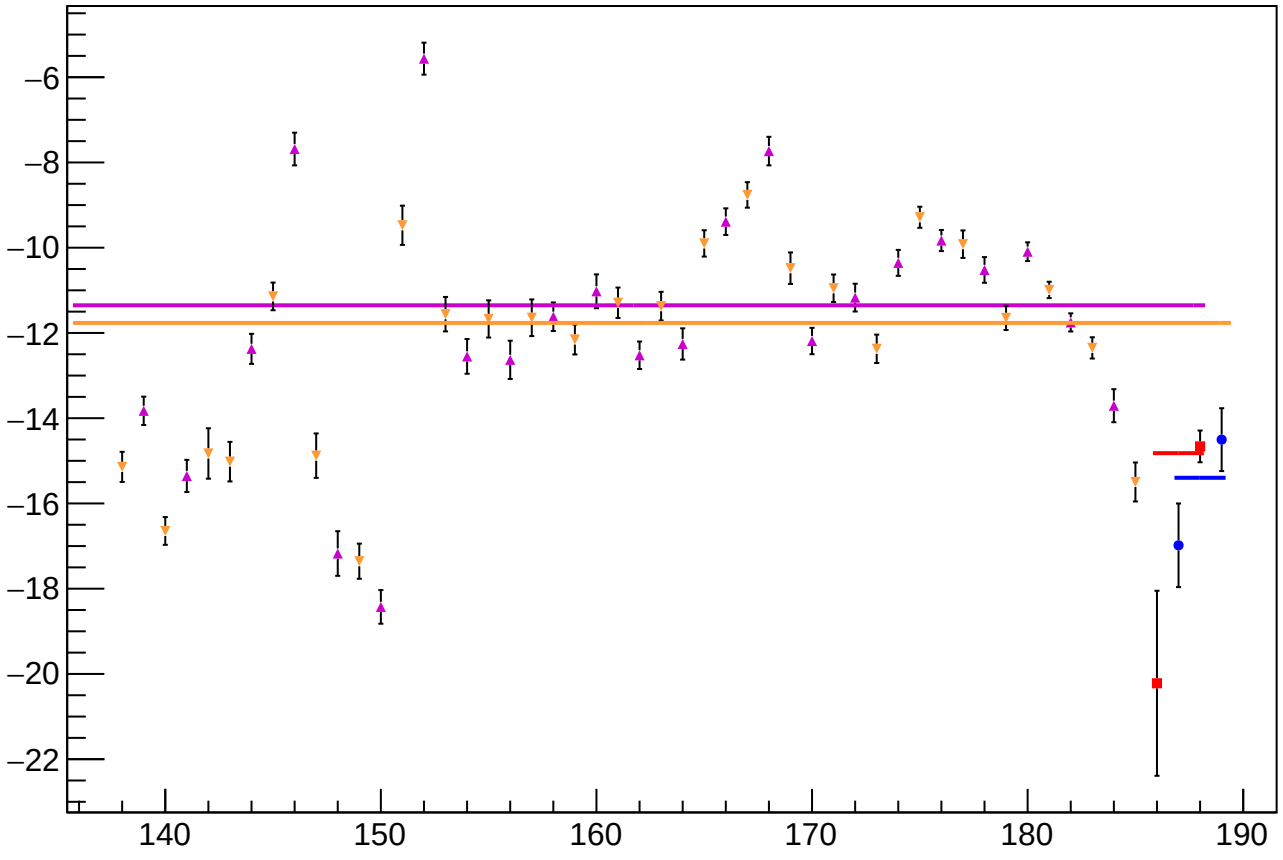
Left In: -0.457+/-0.008 $\chi^2$/NDF:1975.2/22

+ sign -0.498+/-0.007 $\chi^2$/NDF: 1746.4/43

All: -0.483+/-0.005 $\chi^2$/NDF: 4362.2/87

- sign -0.468+/-0.007 $\chi^2$/NDF: 2606.9/43

# reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug




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

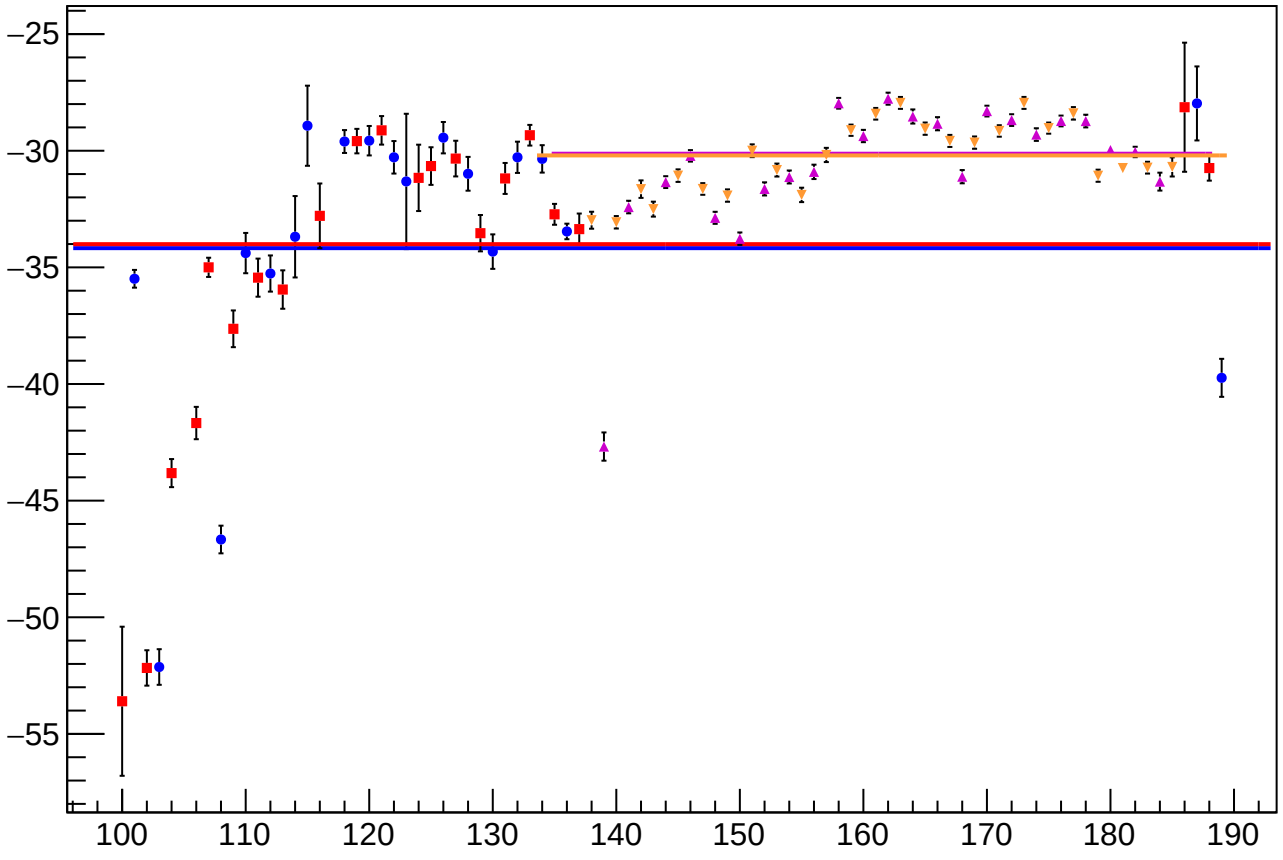
Left In: -11.352+/-0.068 $\chi^2$/NDF:1280.6/22

+ sign -11.810+/-0.066 $\chi^2$/NDF: 1067.5/26

All: -11.639+/-0.047 $\chi^2$/NDF: 2454.4/51

- sign -11.466+/-0.067 $\chi^2$/NDF: 1373.5/24

# reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug




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

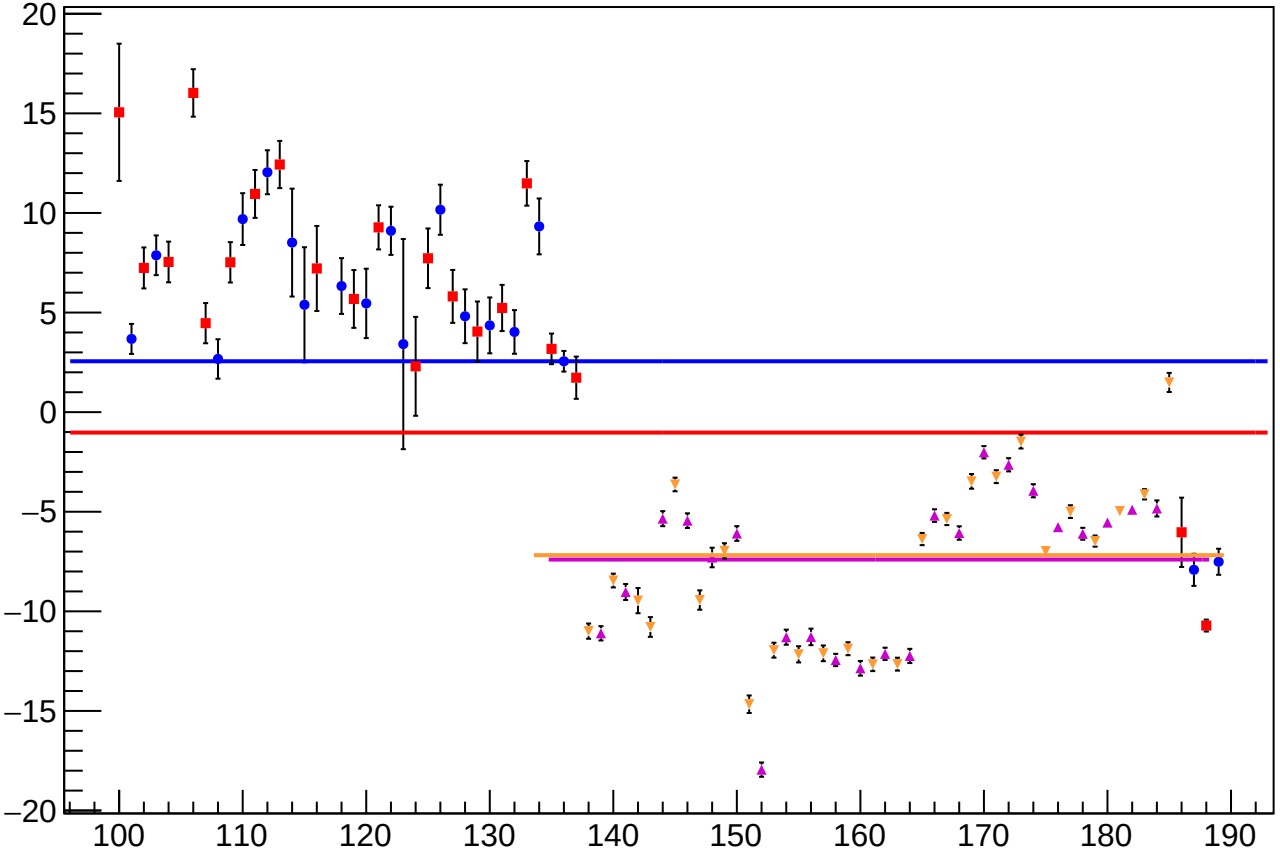
Left In: -30.128+/-0.055 $\chi^2$/NDF:1290.4/22

+ sign -30.670+/-0.051 $\chi^2$/NDF: 2769.4/43

All: -30.646+/-0.036 $\chi^2$/NDF: 6077.4/87

- sign -30.621+/-0.052 $\chi^2$/NDF: 3307.6/43

# reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug




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

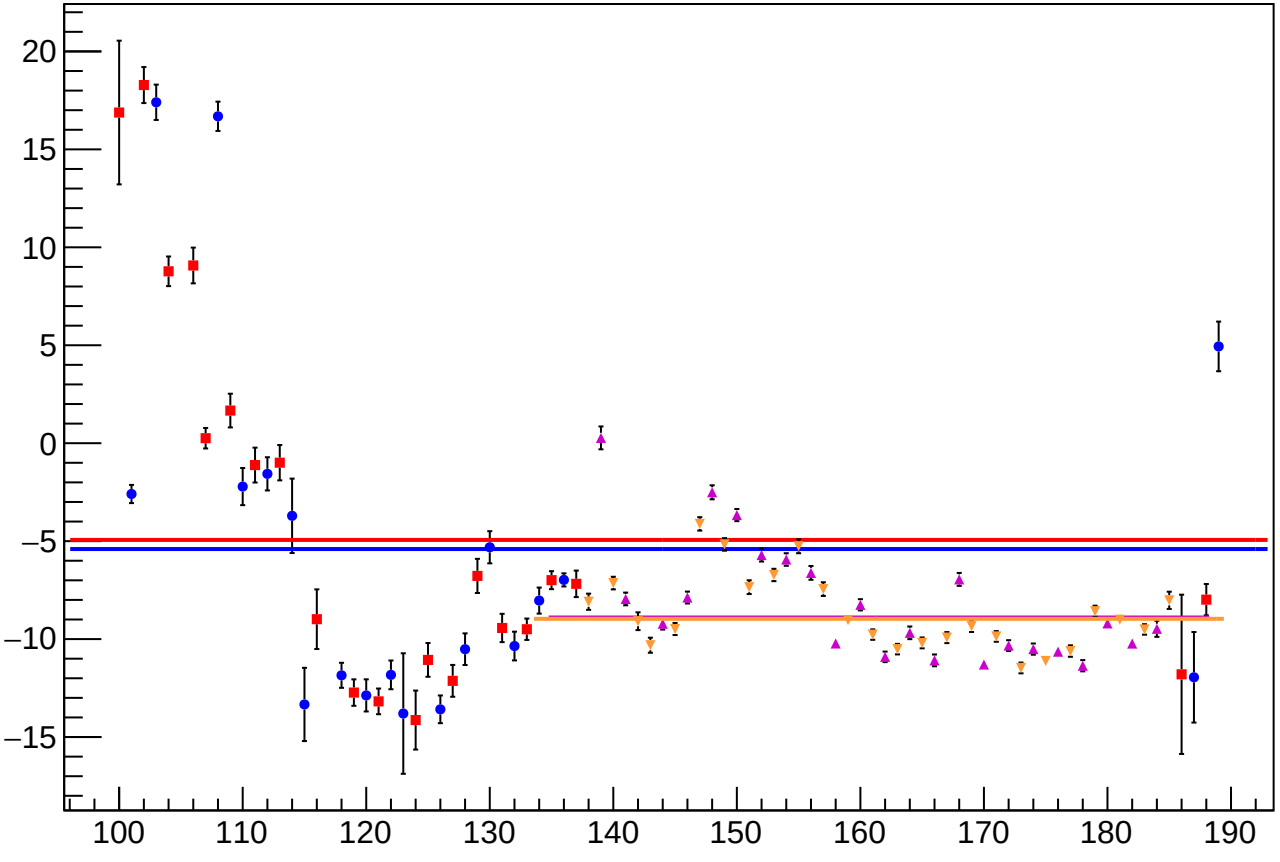
Left In: -7.400+/-0.068 $\chi^2$/NDF:3134.9/22

+ sign -6.467+/-0.064 $\chi^2$/NDF: 5216.4/43

All: -6.611+/-0.045 $\chi^2$/NDF: 11391.3/87

- sign -6.753+/-0.064 $\chi^2$/NDF: 6164.9/43

# reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug




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

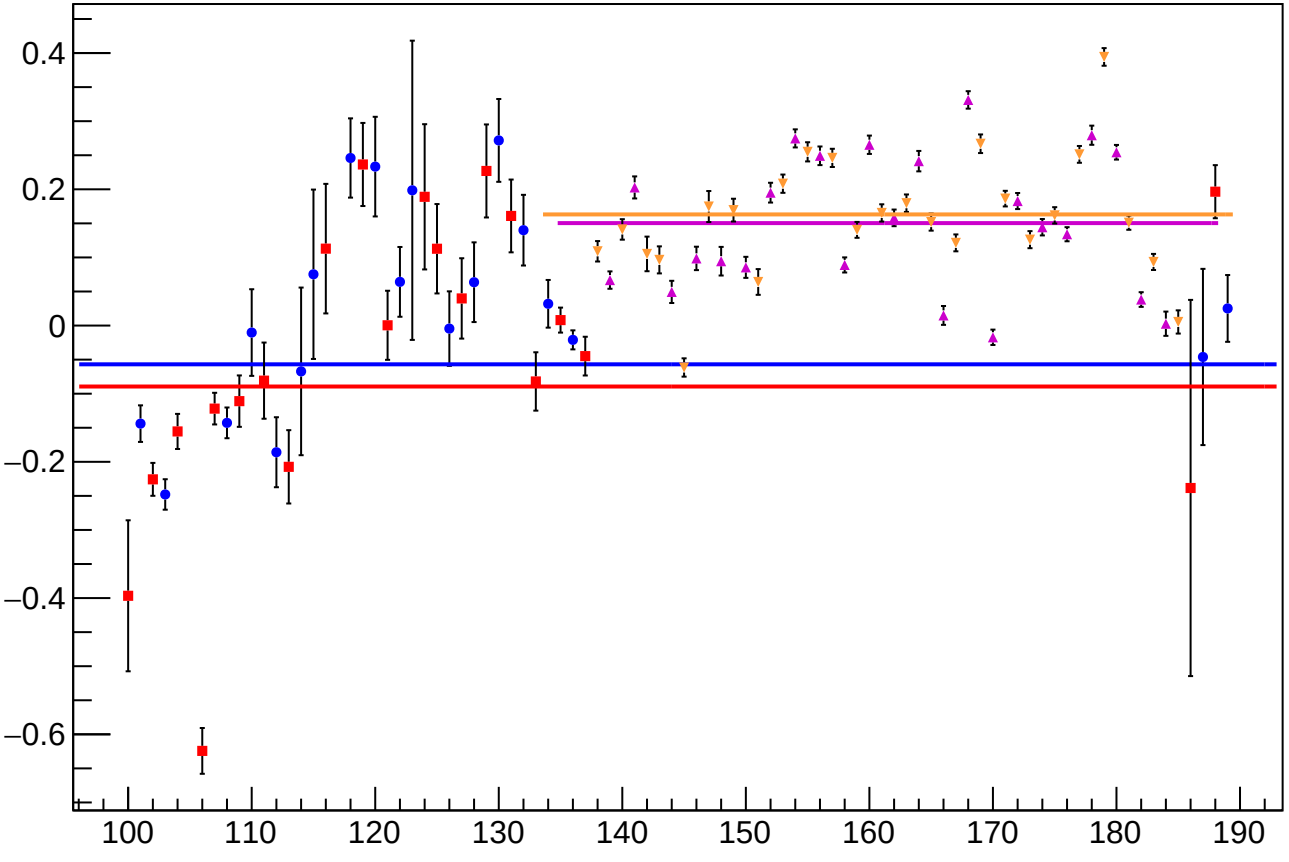
Left In: -8.898+/-0.061 $\chi^2$/NDF:1584.0/22

+ sign -8.558+/-0.057 $\chi^2$/NDF: 3475.9/43

All: -8.497+/-0.040 $\chi^2$/NDF: 7607.1/87

- sign -8.433+/-0.058 $\chi^2$/NDF: 4128.8/43

# reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug




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

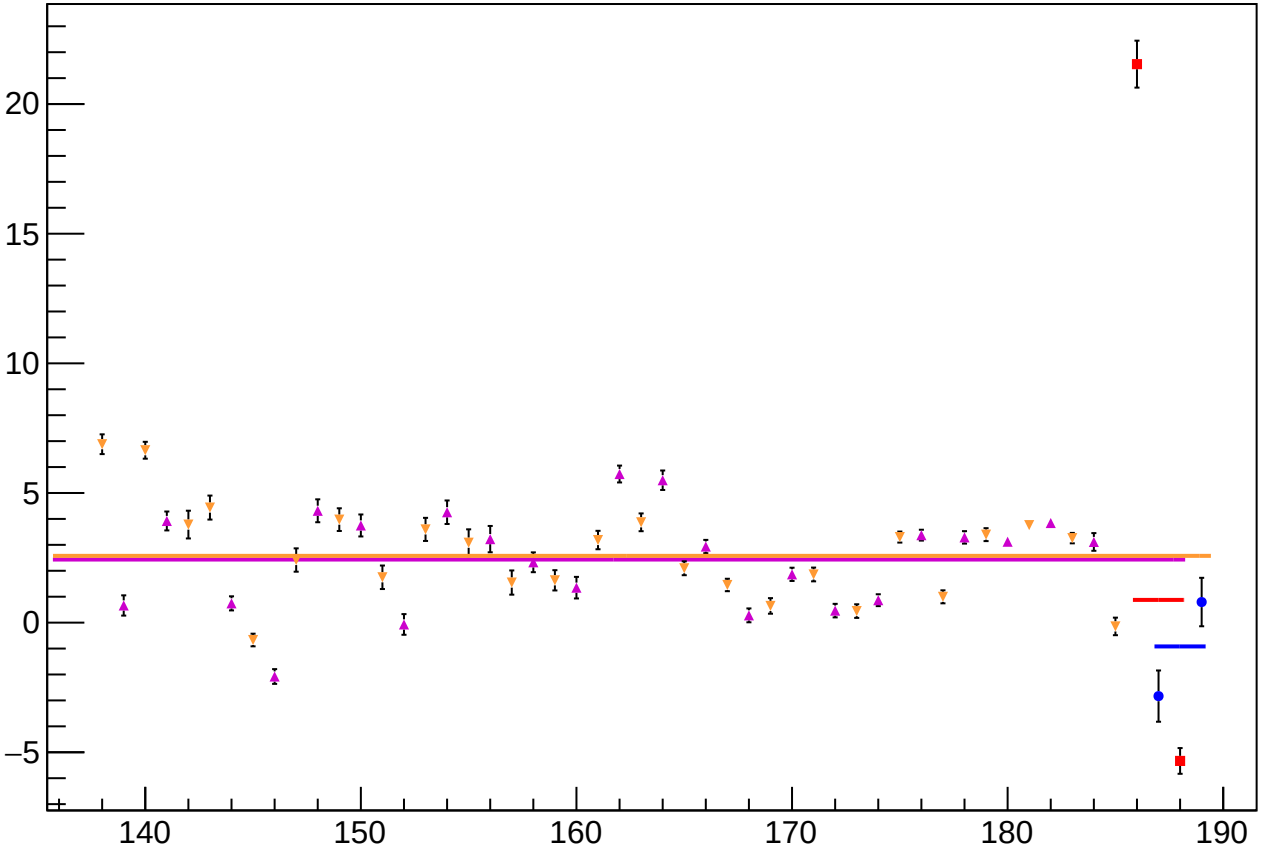
Left In: 0.150+/-0.003 $\chi^2$/NDF:1296.5/22

+ sign 0.141+/-0.003 $\chi^2$/NDF: 1872.6/43

All: 0.134+/-0.002 $\chi^2$/NDF: 4442.9/87

- sign 0.126+/-0.003 $\chi^2$/NDF: 2553.3/43

# reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug




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

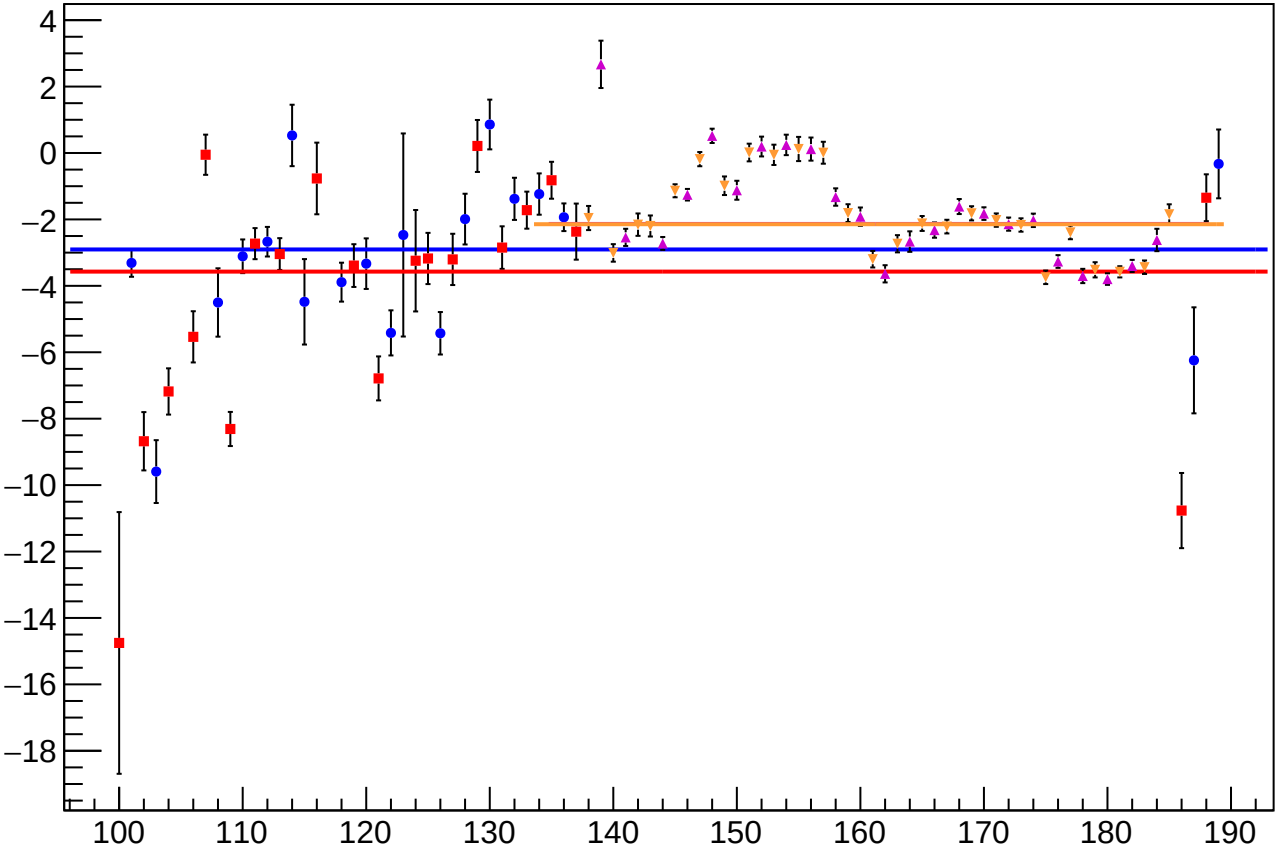
Left In: 2.433+/-0.059 $\chi^2$/NDF:882.9/22

+ sign 2.550+/-0.058 $\chi^2$/NDF: 901.5/26

All: 2.478+/-0.041 $\chi^2$/NDF: 2477.6/51

- sign 2.405+/-0.059 $\chi^2$/NDF: 1573.0/24

# reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug




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

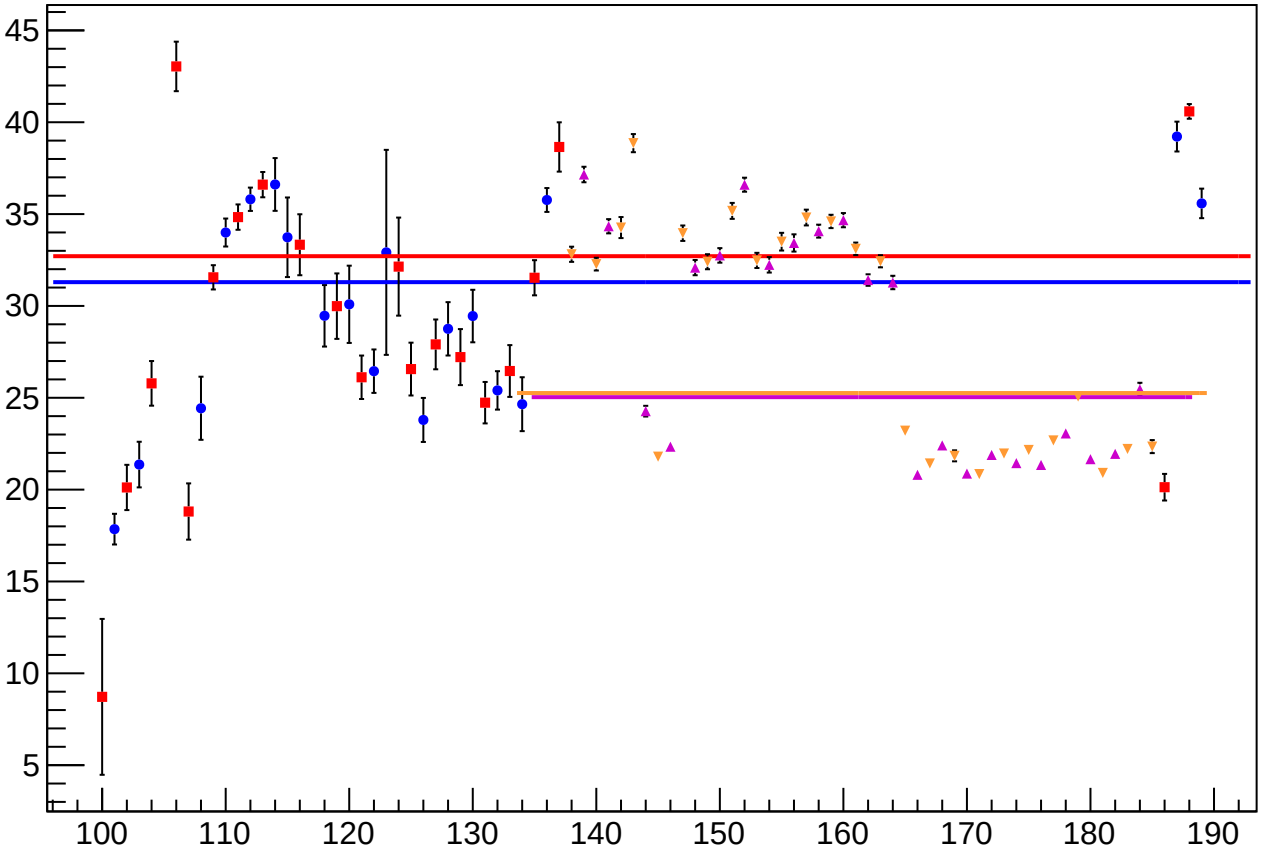
Left In: -2.137+/-0.048 $\chi^2$/NDF:693.6/22

+ sign -2.213+/-0.045 $\chi^2$/NDF: 752.6/43

All: -2.242+/-0.032 $\chi^2$/NDF: 1872.2/87

- sign -2.272+/-0.046 $\chi^2$/NDF: 1118.8/43

# reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug




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

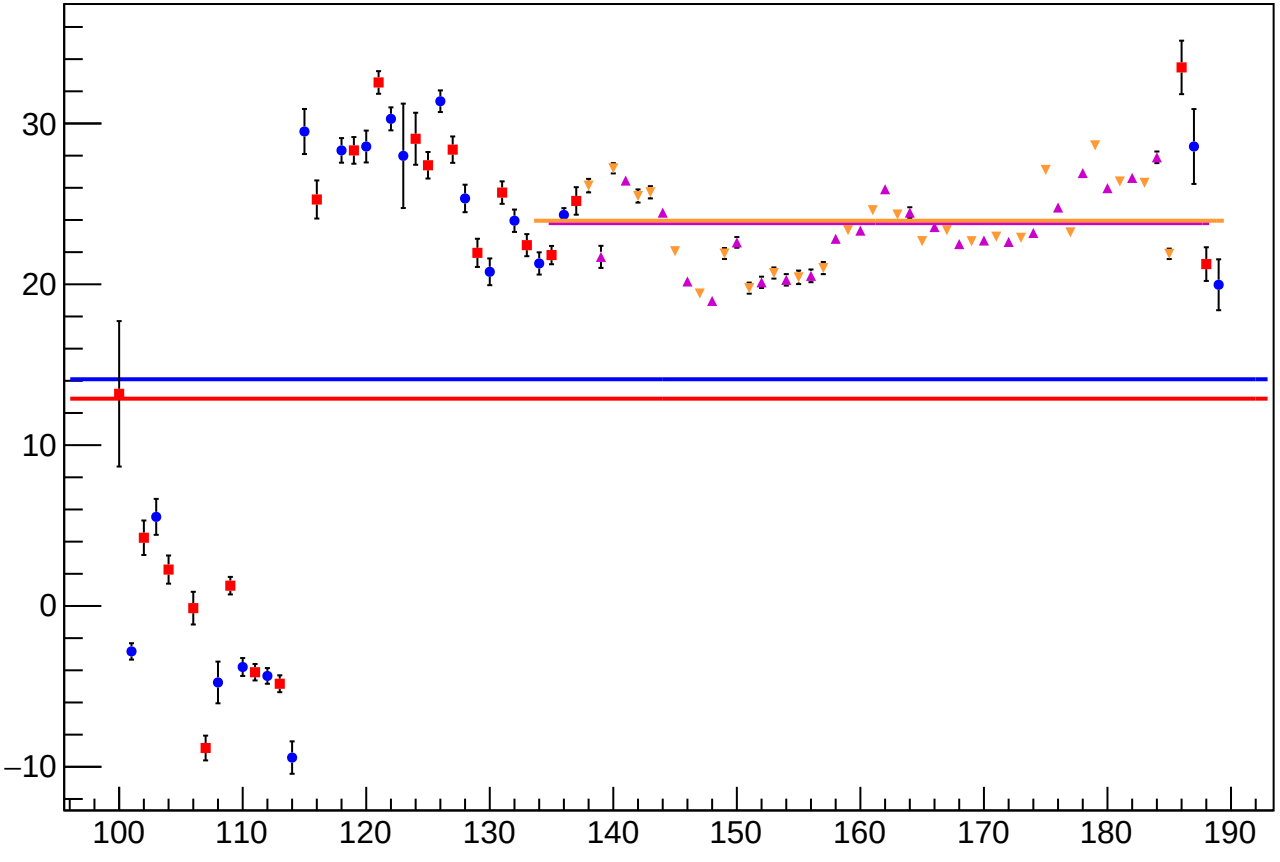
Left In: 25.034+/-0.059 $\chi^2$/NDF:7690.0/22

+ sign 25.597+/-0.057 $\chi^2$/NDF: 9427.1/43

All: 25.603+/-0.040 $\chi^2$/NDF: 19579.8/87

- sign 25.608+/-0.057 $\chi^2$/NDF: 10152.7/43

# reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug




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

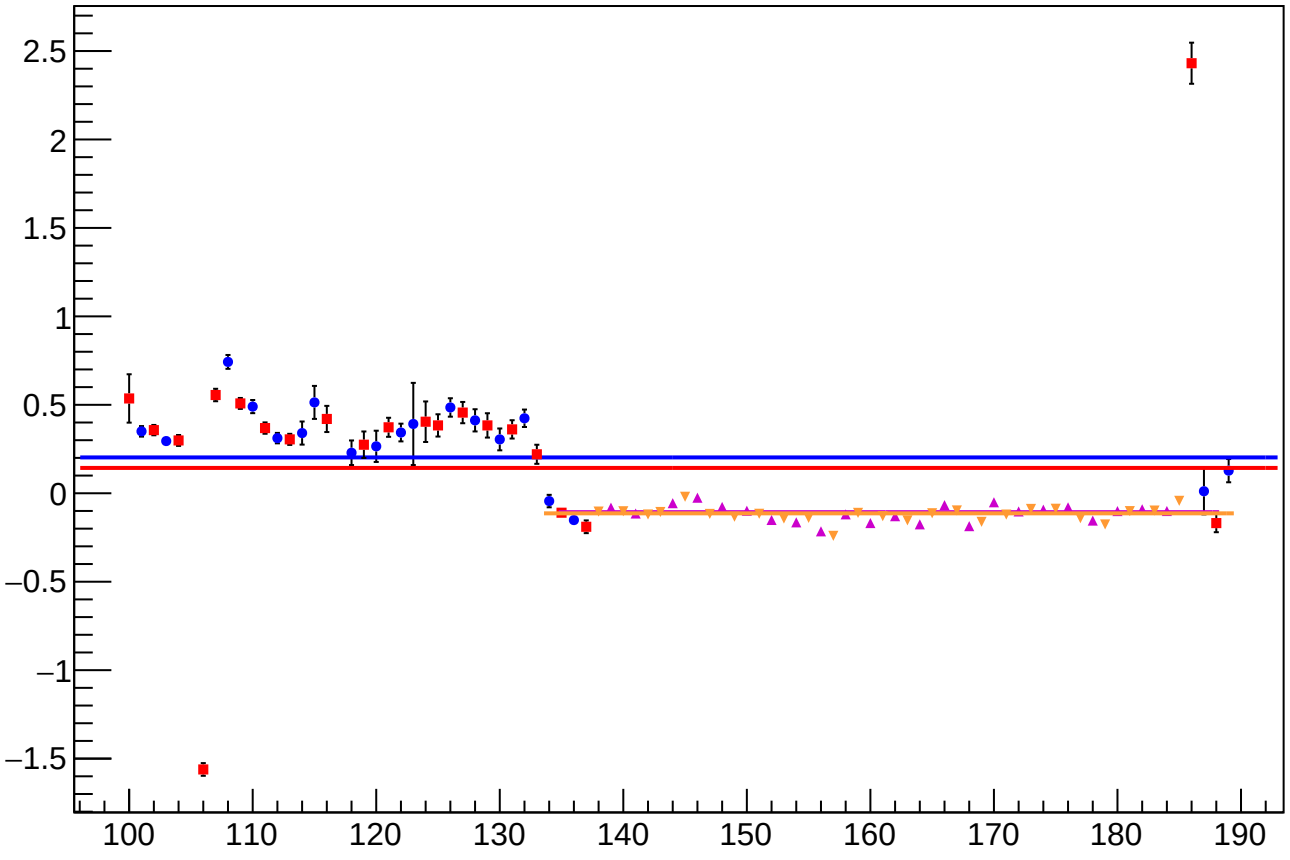
Left In: 23.804+/-0.054 $\chi^2$/NDF:1760.4/22

+ sign 23.078+/-0.051 $\chi^2$/NDF: 12406.7/43

All: 22.947+/-0.036 $\chi^2$/NDF: 25096.0/87

- sign 22.813+/-0.051 $\chi^2$/NDF: 12675.8/43

# reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug




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

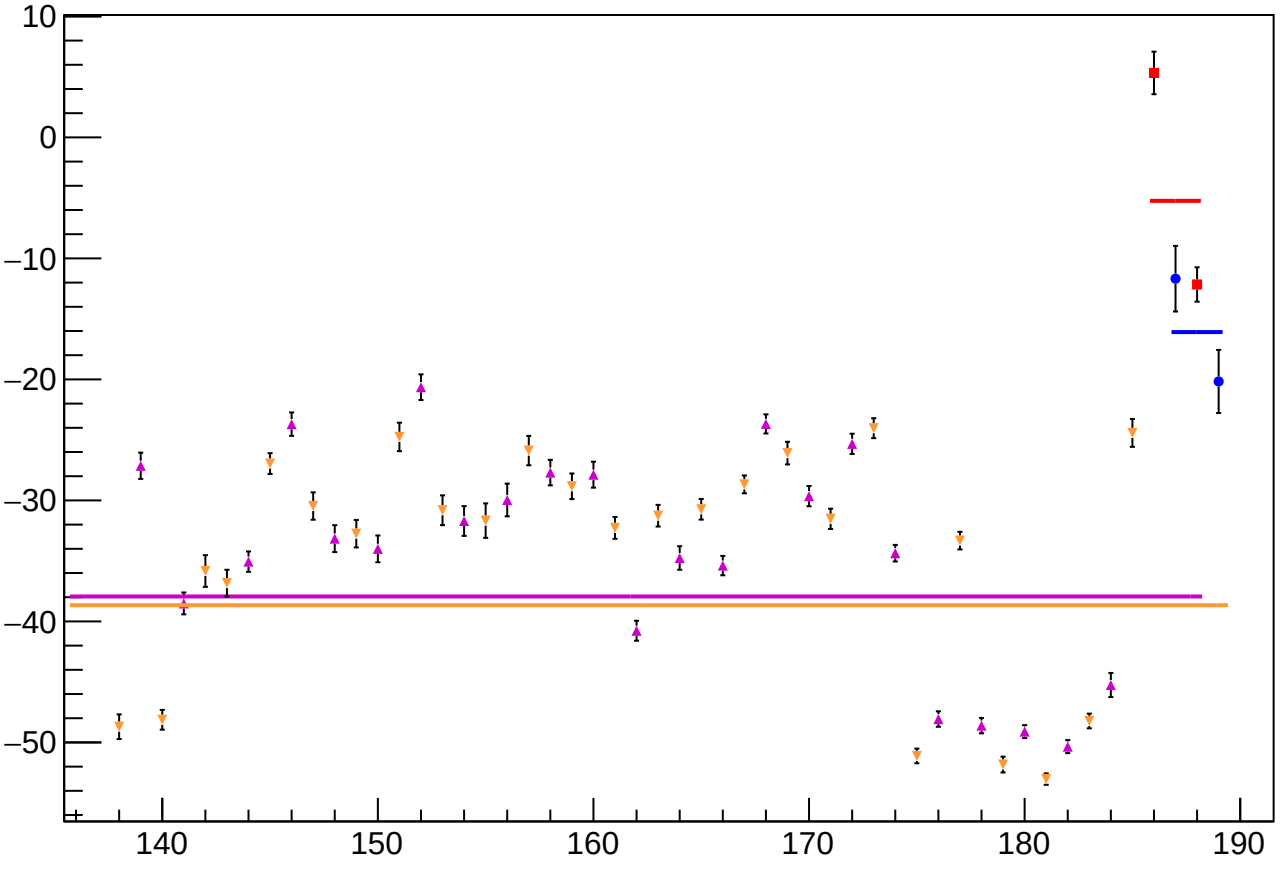
Left In: -0.107+/-0.002 $\chi^2$/NDF:322.0/22

+ sign -0.093+/-0.002 $\chi^2$/NDF: 2235.0/43

All: -0.091+/-0.002 $\chi^2$/NDF: 6713.5/87

- sign -0.089+/-0.002 $\chi^2$/NDF: 4477.2/43

# reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug




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

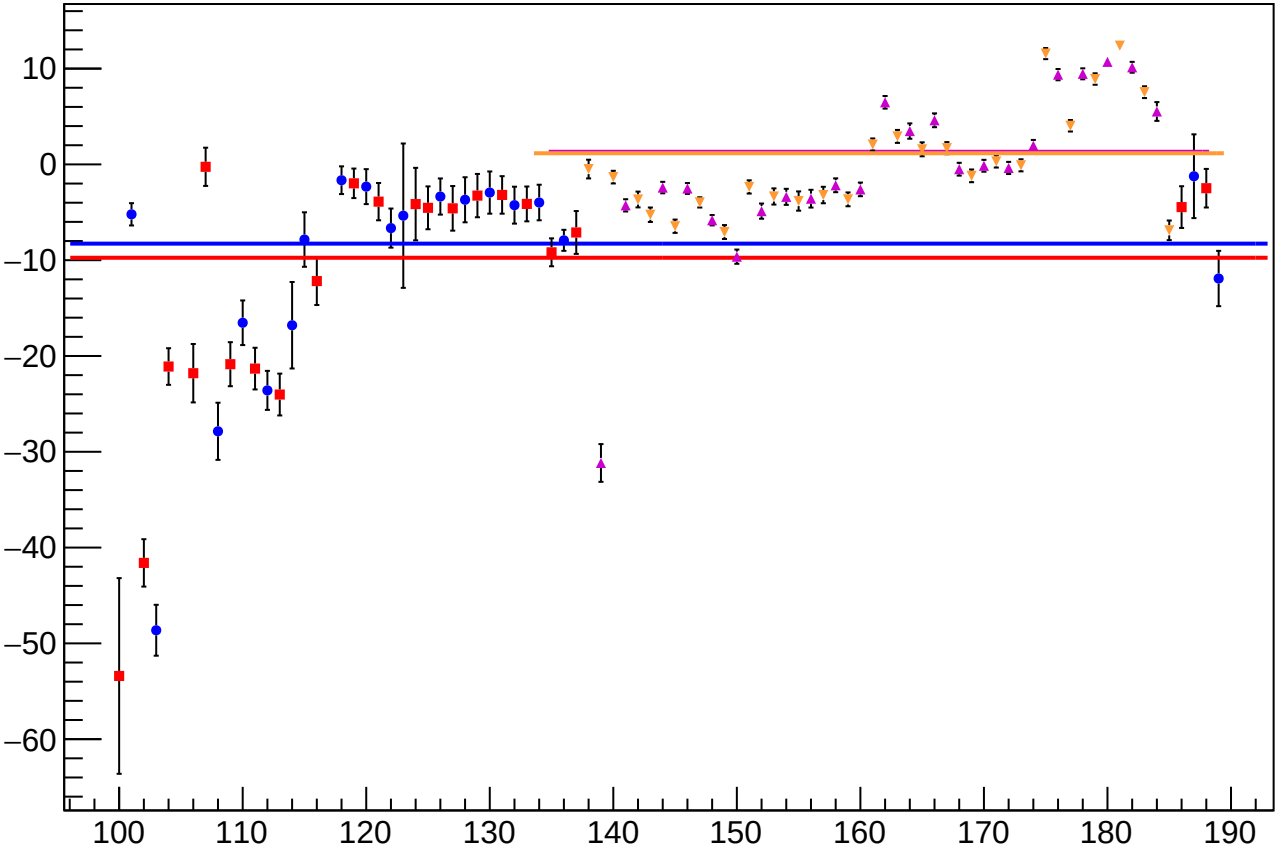
Left In: -37.939+/-0.173 $\chi^2$/NDF:3133.2/22

+ sign -38.478+/-0.169 $\chi^2$/NDF: 4222.0/26

All: -37.827+/-0.120 $\chi^2$/NDF: 8299.9/51

- sign -37.161+/-0.170 $\chi^2$/NDF: 4047.7/24

# reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug




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

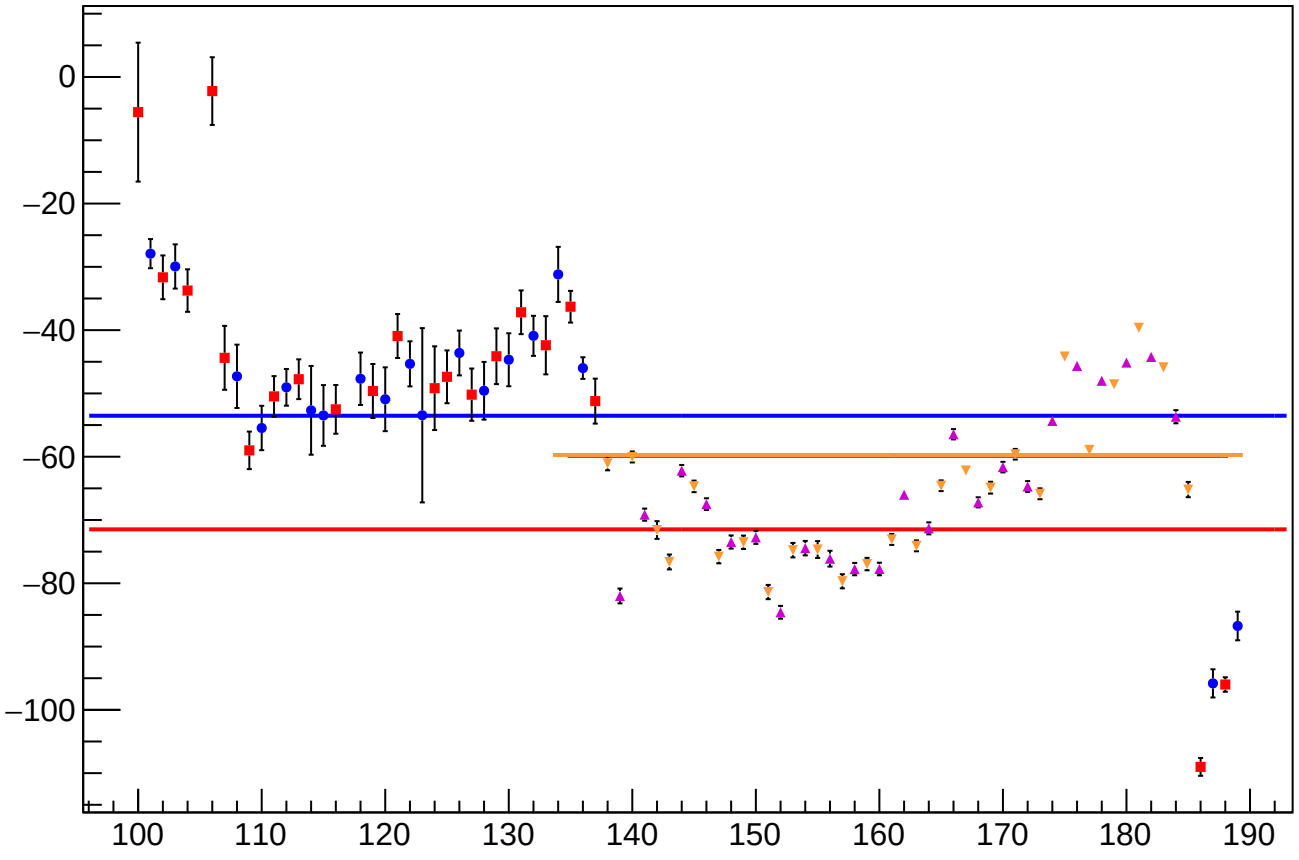
Left In: 1.319+/-0.139 $\chi^2$/NDF:2080.7/22

+ sign 0.382+/-0.131 $\chi^2$/NDF: 2598.8/43

All: 0.396+/-0.093 $\chi^2$/NDF: 5645.8/87

- sign 0.410+/-0.134 $\chi^2$/NDF: 3047.0/43

# reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug




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

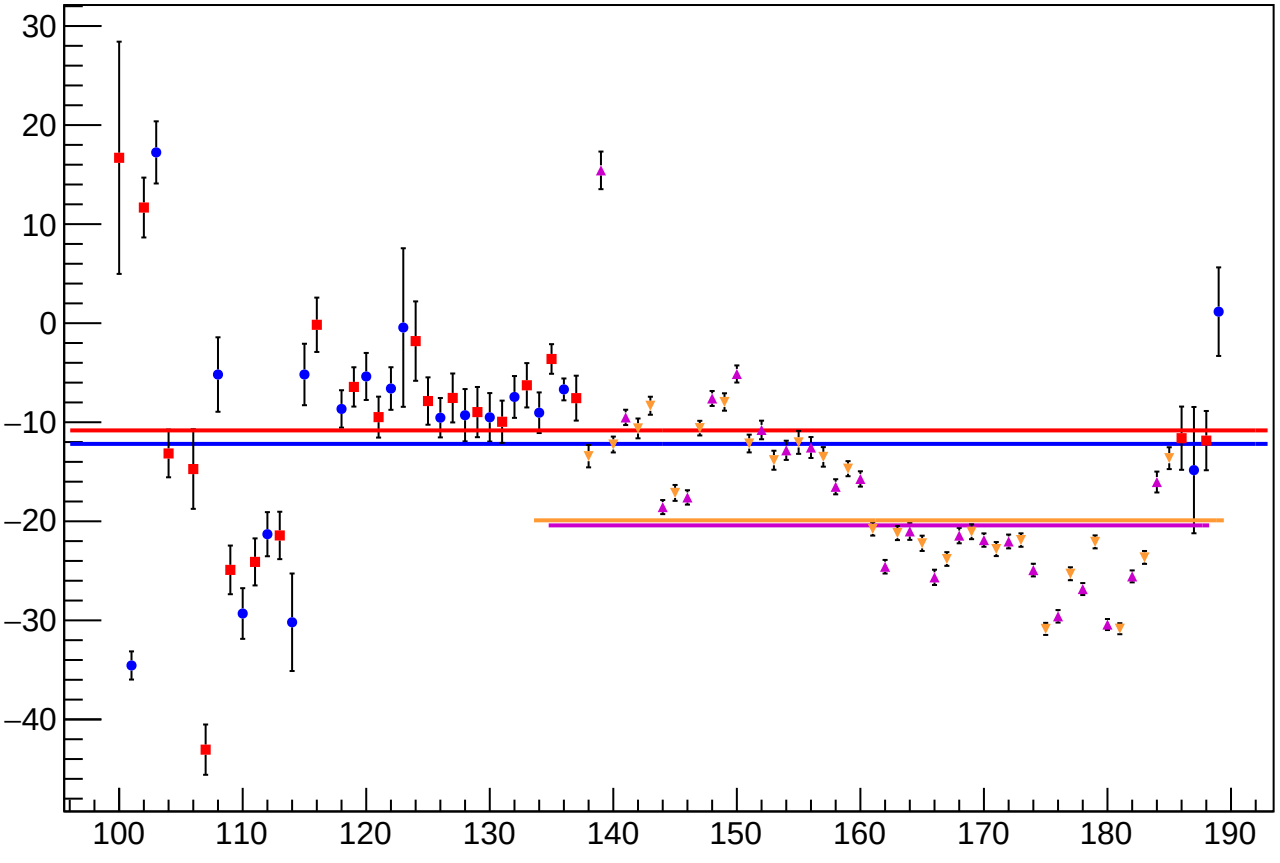
Left In: -59.864+/-0.173 $\chi^2$/NDF:5275.1/22

+ sign -59.411+/-0.166 $\chi^2$/NDF: 6688.4/43

All: -60.054+/-0.118 $\chi^2$/NDF: 14701.0/87

- sign -60.699+/-0.166 $\chi^2$/NDF: 7982.5/43

# reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug




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

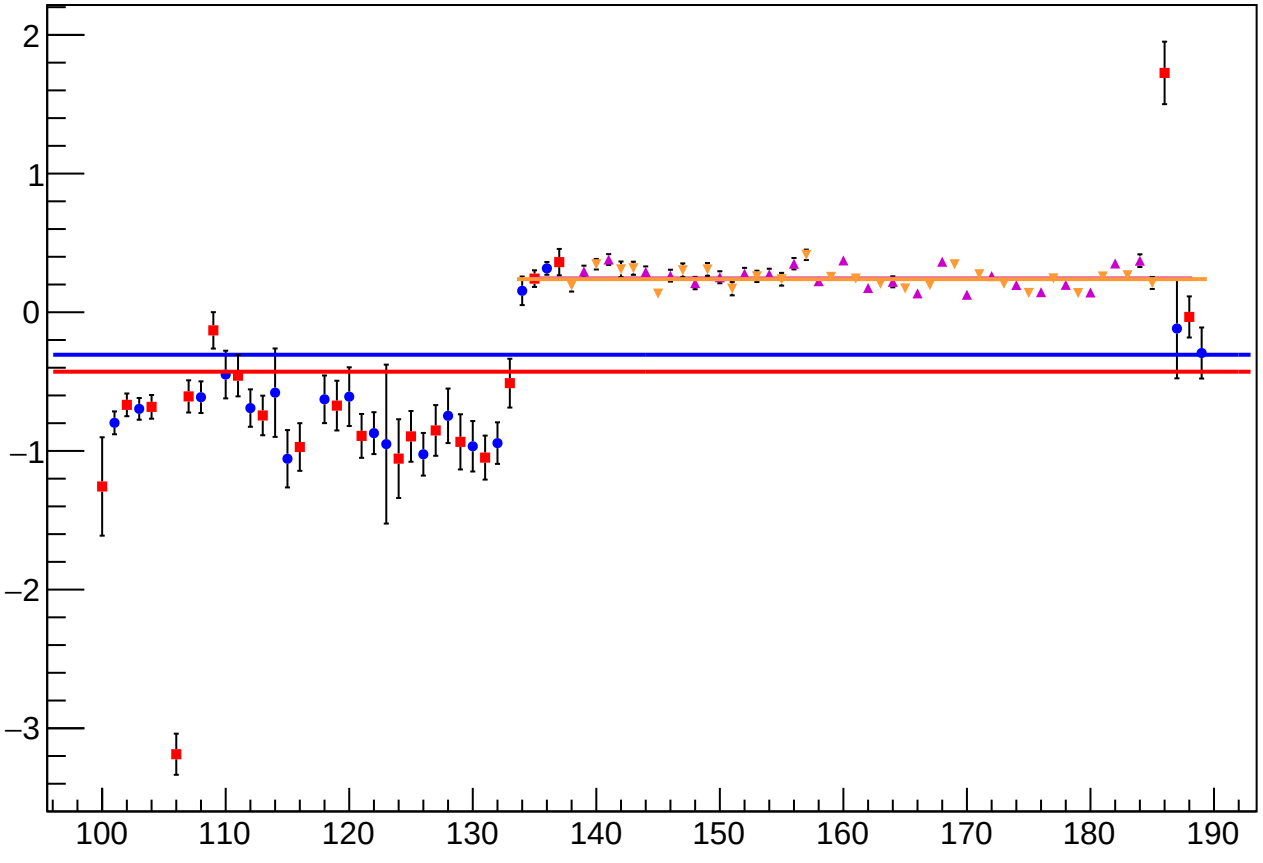
Left In: -20.412+/-0.156 $\chi^2$/NDF:2345.4/22

+ sign -19.274+/-0.147 $\chi^2$/NDF: 2596.4/43

All: -19.465+/-0.105 $\chi^2$/NDF: 5606.4/87

- sign -19.663+/-0.150 $\chi^2$/NDF: 3006.6/43

# reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug




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

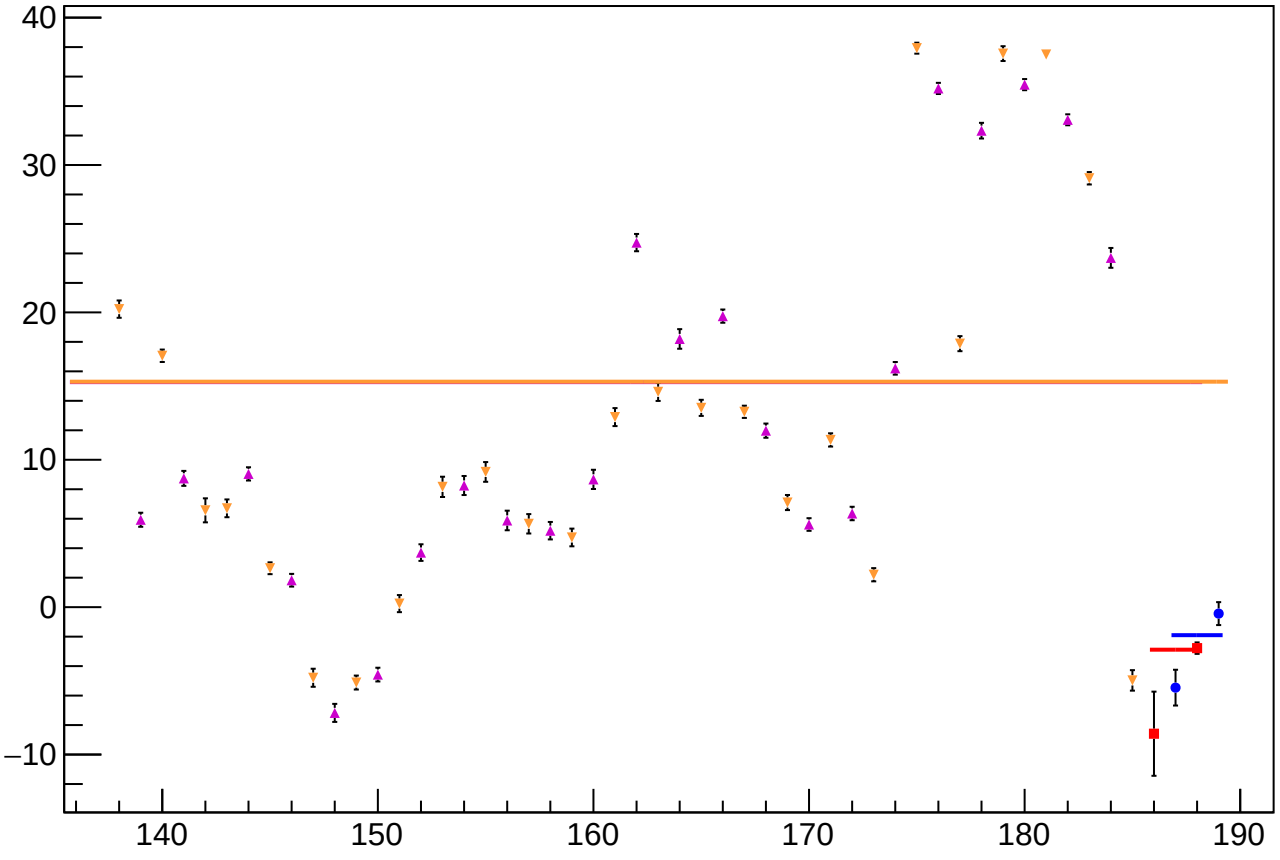
Left In: 0.243+/-0.007 $\chi^2$/NDF:139.2/22

+ sign 0.204+/-0.007 $\chi^2$/NDF: 844.7/43

All: 0.203+/-0.005 $\chi^2$/NDF: 2264.8/87

- sign 0.202+/-0.007 $\chi^2$/NDF: 1420.0/43

# reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug




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

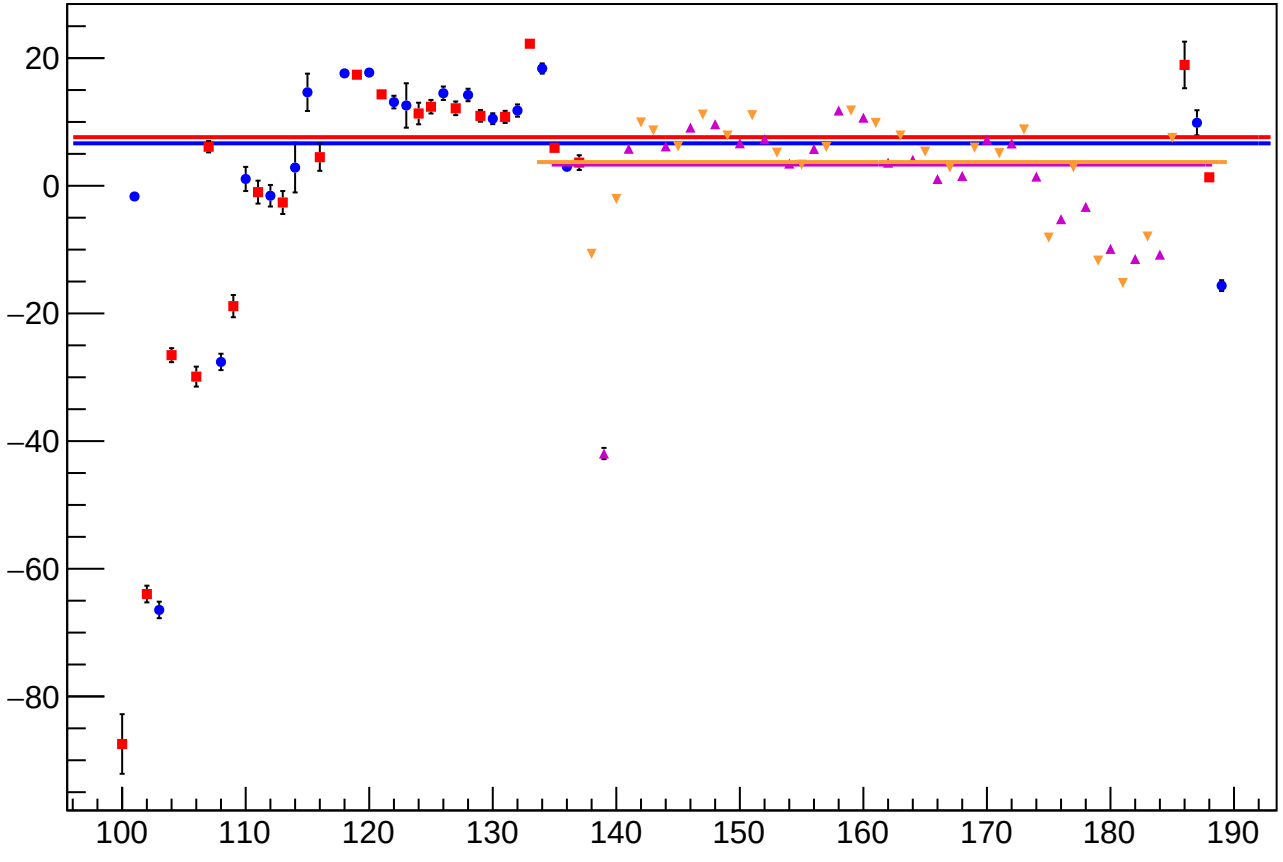
Left In: 15.268+/-0.102 $\chi^2$/NDF:16406.3/22

+ sign 14.902+/-0.100 $\chi^2$/NDF: 19820.6/26

All: 14.486+/-0.070 $\chi^2$/NDF: 38339.3/51

- sign 14.077+/-0.099 $\chi^2$/NDF: 18484.0/24

# reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug




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

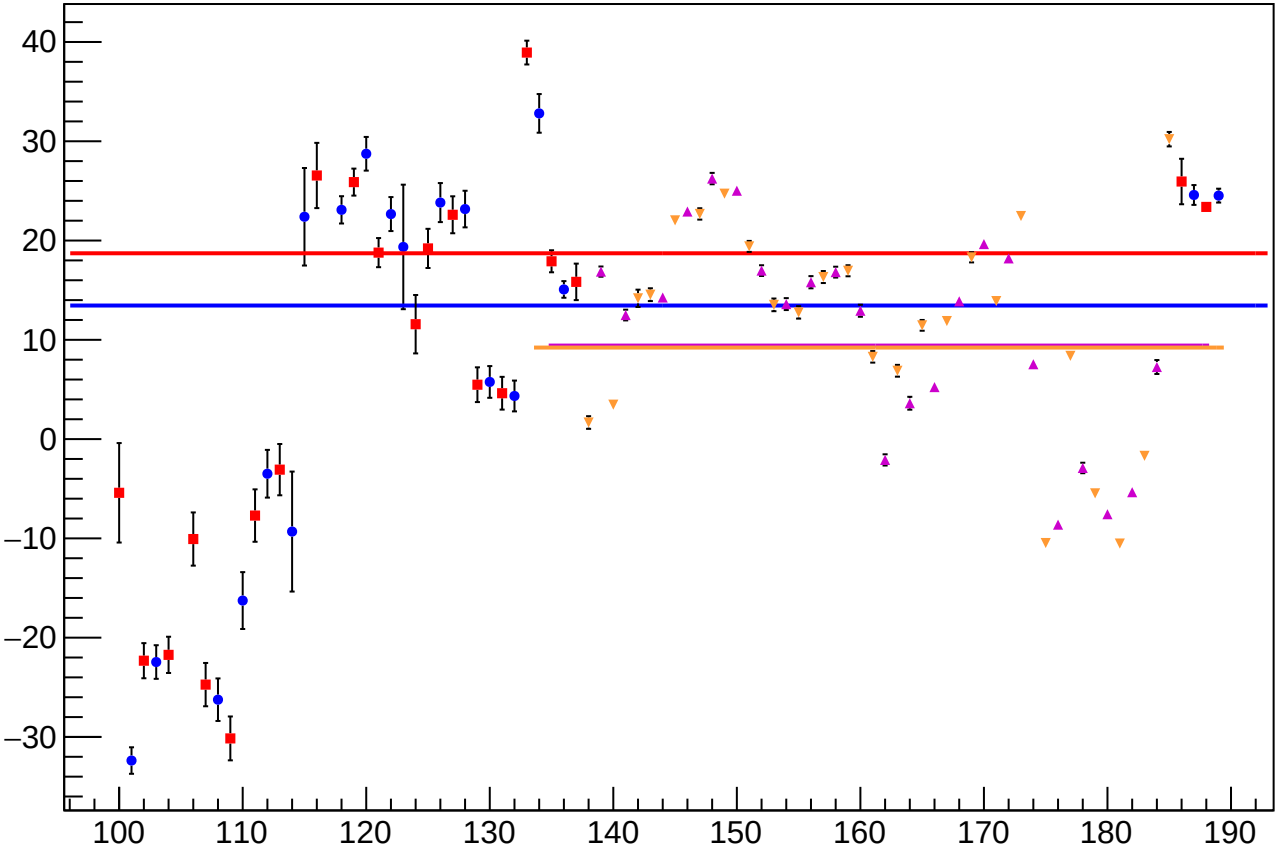
Left In: 3.327+/-0.081 $\chi^2$/NDF:8830.5/22

+ sign 4.088+/-0.074 $\chi^2$/NDF: 15475.4/43

All: 4.012+/-0.053 $\chi^2$/NDF: 31555.2/87

- sign 3.933+/-0.075 $\chi^2$/NDF: 16077.6/43

# reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug




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

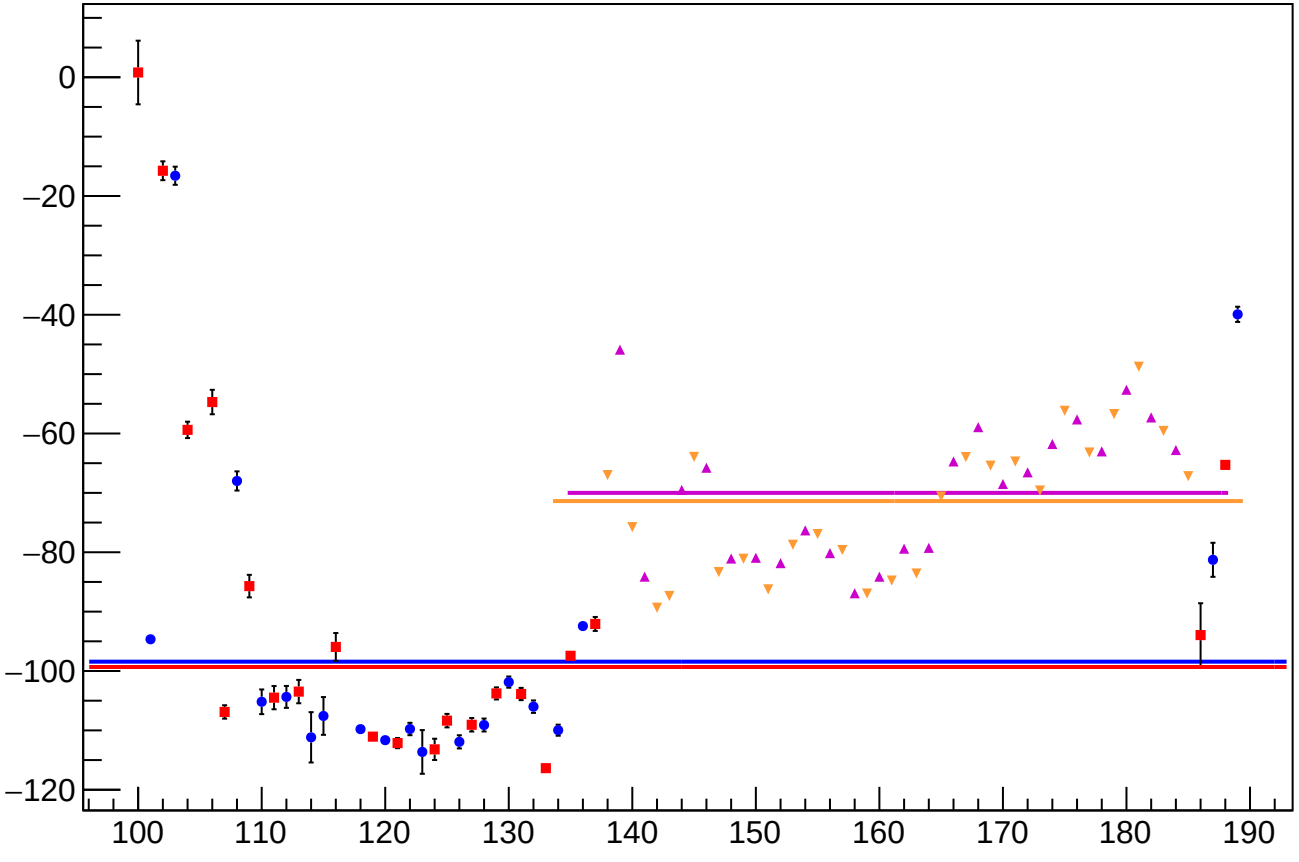
Left In: 9.420+/-0.102 $\chi^2$/NDF:12078.1/22

+ sign 9.571+/-0.097 $\chi^2$/NDF: 16660.7/43

All: 10.174+/-0.068 $\chi^2$/NDF: 32916.6/87

- sign 10.747+/-0.094 $\chi^2$/NDF: 16180.2/43

# reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug




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

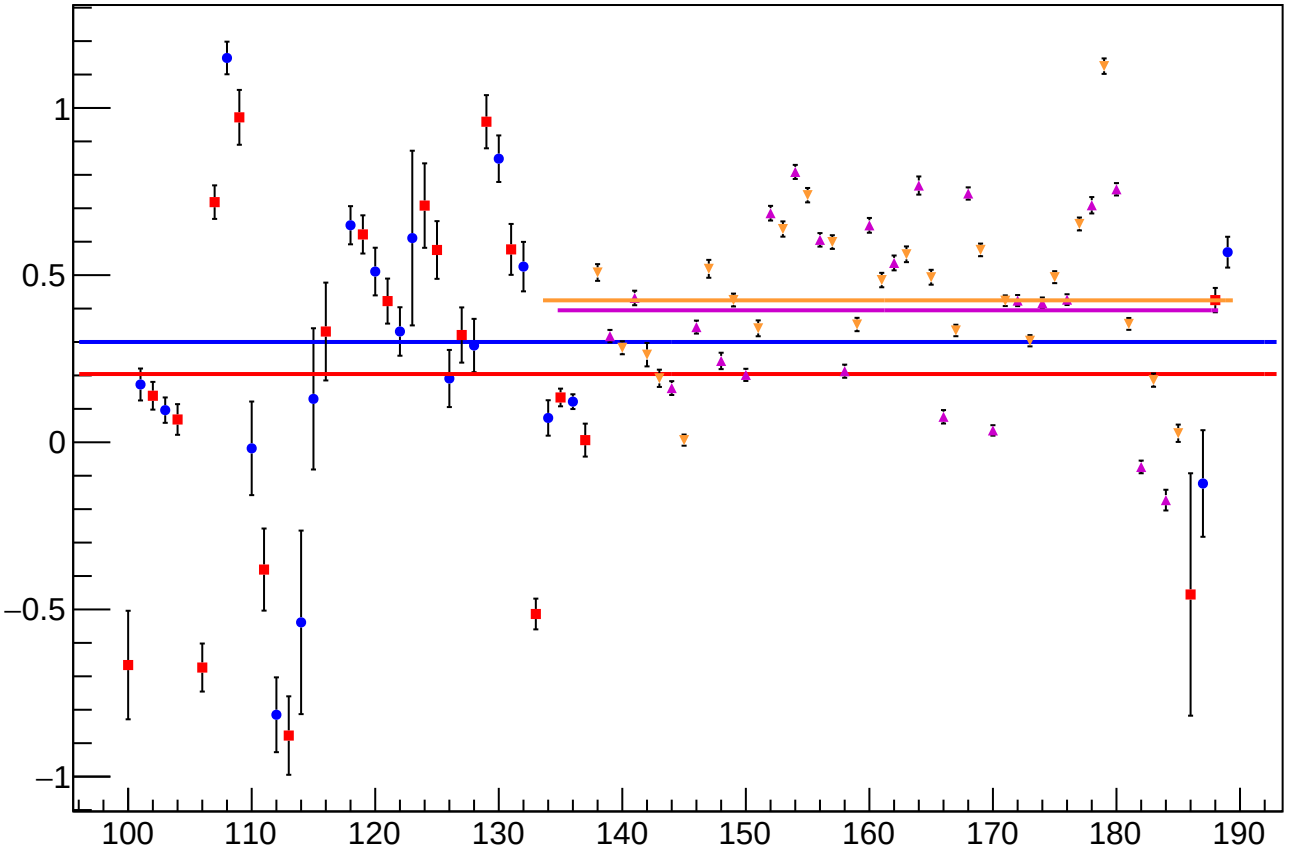
Left In: -69.999+/-0.091 $\chi^2$/NDF:13188.0/22

+ sign -74.618+/-0.084 $\chi^2$/NDF: 33903.6/43

All: -74.231+/-0.060 $\chi^2$/NDF: 68511.4/87

- sign -73.831+/-0.085 $\chi^2$/NDF: 34564.6/43

# reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug




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

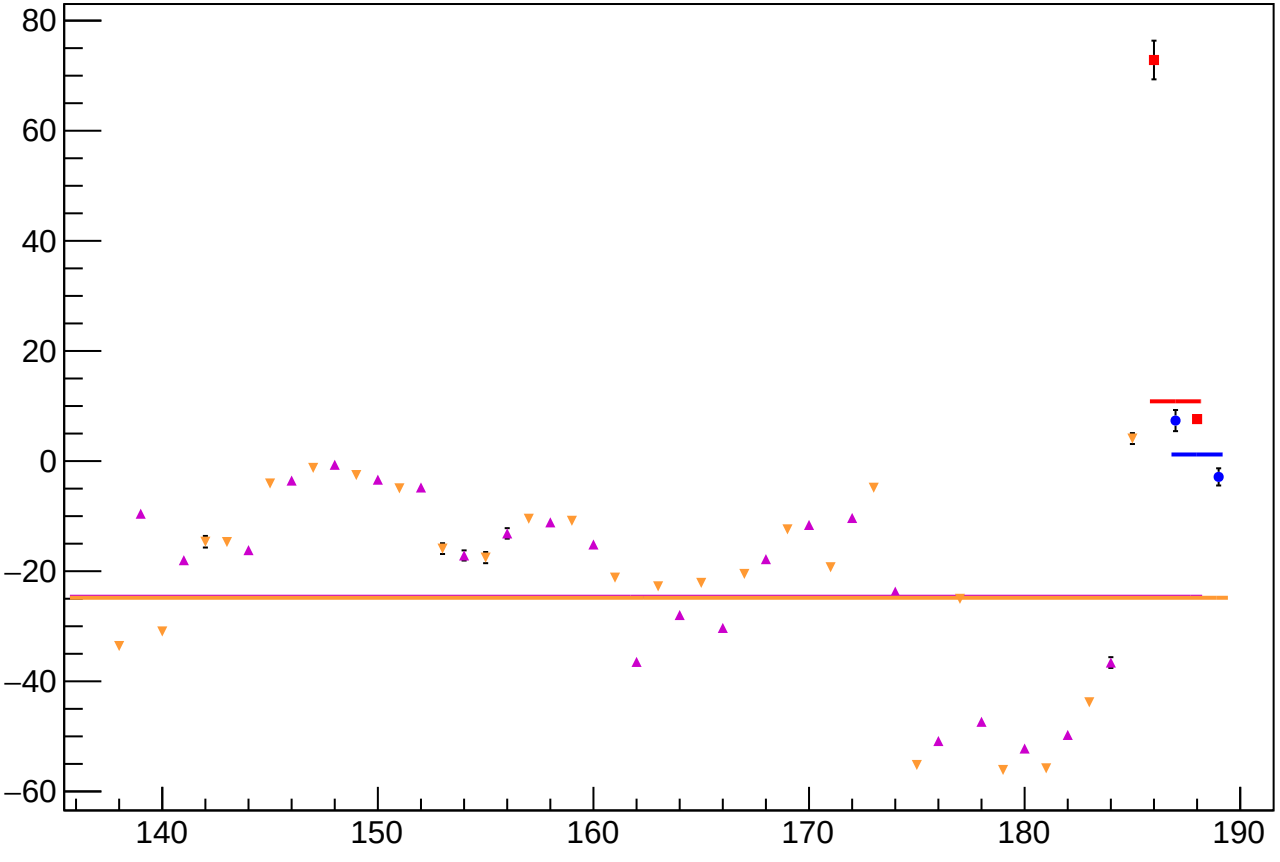
Left In: 0.395+/-0.004 $\chi^2$/NDF:4063.1/22

+ sign 0.413+/-0.004 $\chi^2$/NDF: 3650.9/43

All: 0.395+/-0.003 $\chi^2$/NDF: 8976.3/87

- sign 0.376+/-0.004 $\chi^2$/NDF: 5281.1/43

# reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug




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

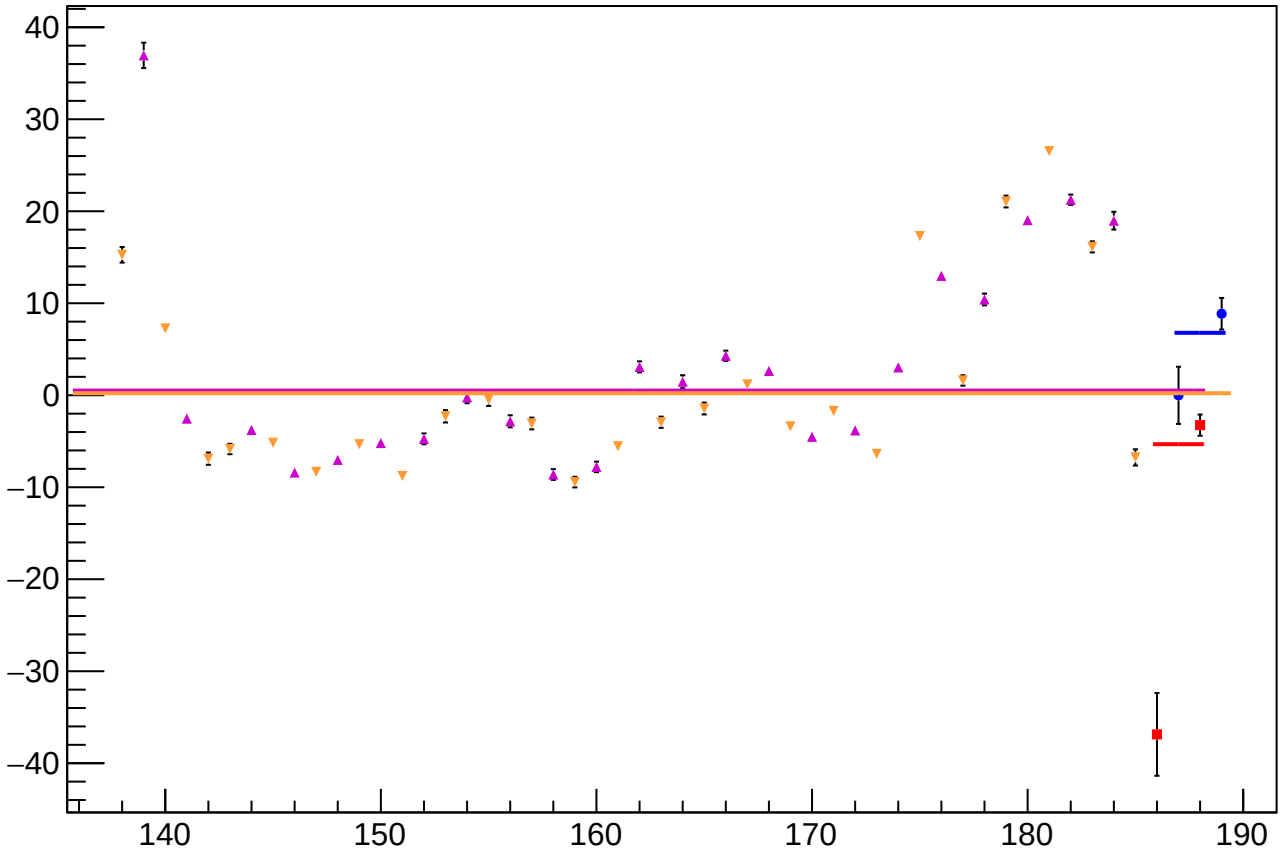
Left In: -24.635+/-0.142 $\chi^2$/NDF:14947.9/22

+ sign -24.482+/-0.139 $\chi^2$/NDF: 18747.2/26

All: -23.994+/-0.098 $\chi^2$/NDF: 36048.1/51

- sign -23.498+/-0.140 $\chi^2$/NDF: 17275.9/24

# reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug




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

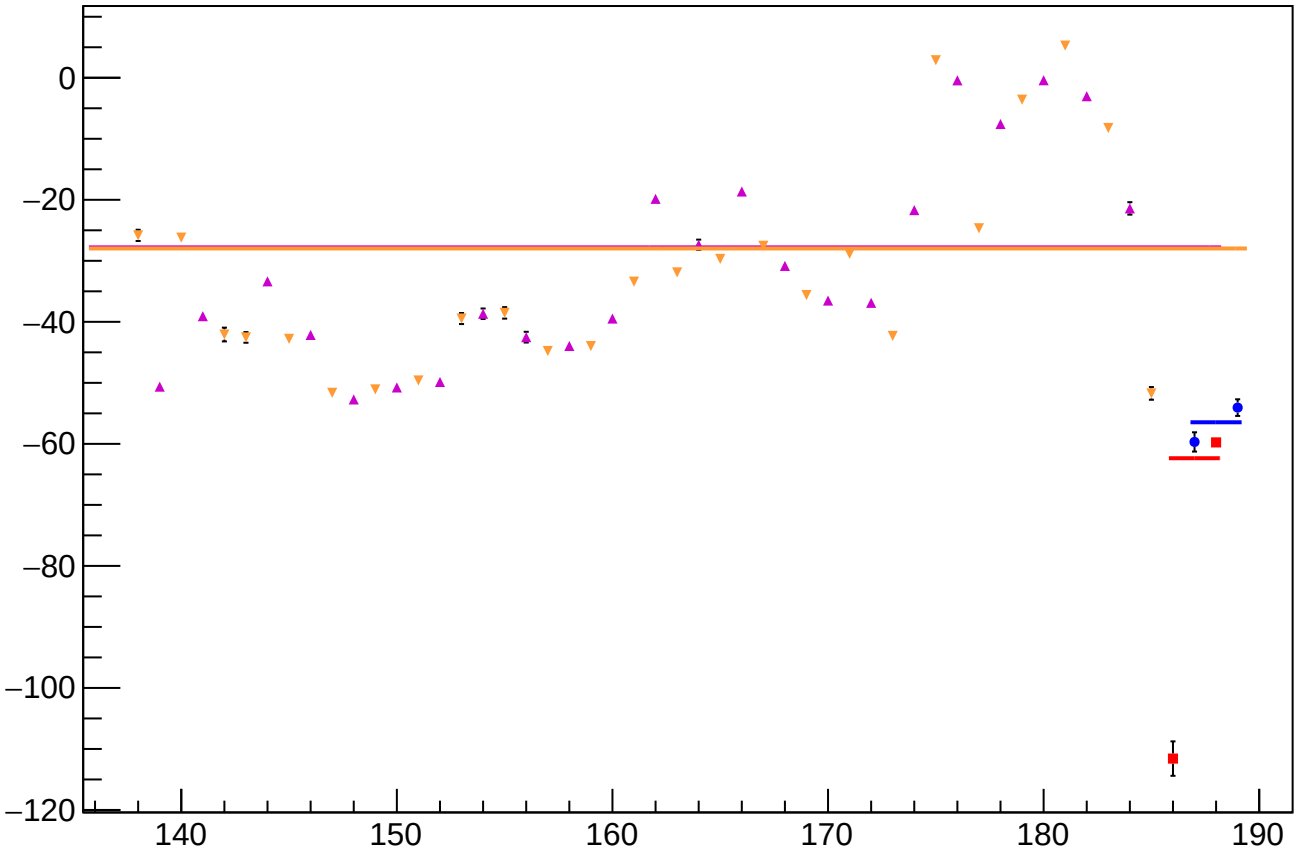
Left In: 0.507+/-0.112 $\chi^2$/NDF:6626.9/22

+ sign 0.252+/-0.109 $\chi^2$/NDF: 8277.8/26

All: 0.348+/-0.078 $\chi^2$/NDF: 14985.7/51

- sign 0.449+/-0.111 $\chi^2$/NDF: 6706.3/24

# reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug




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

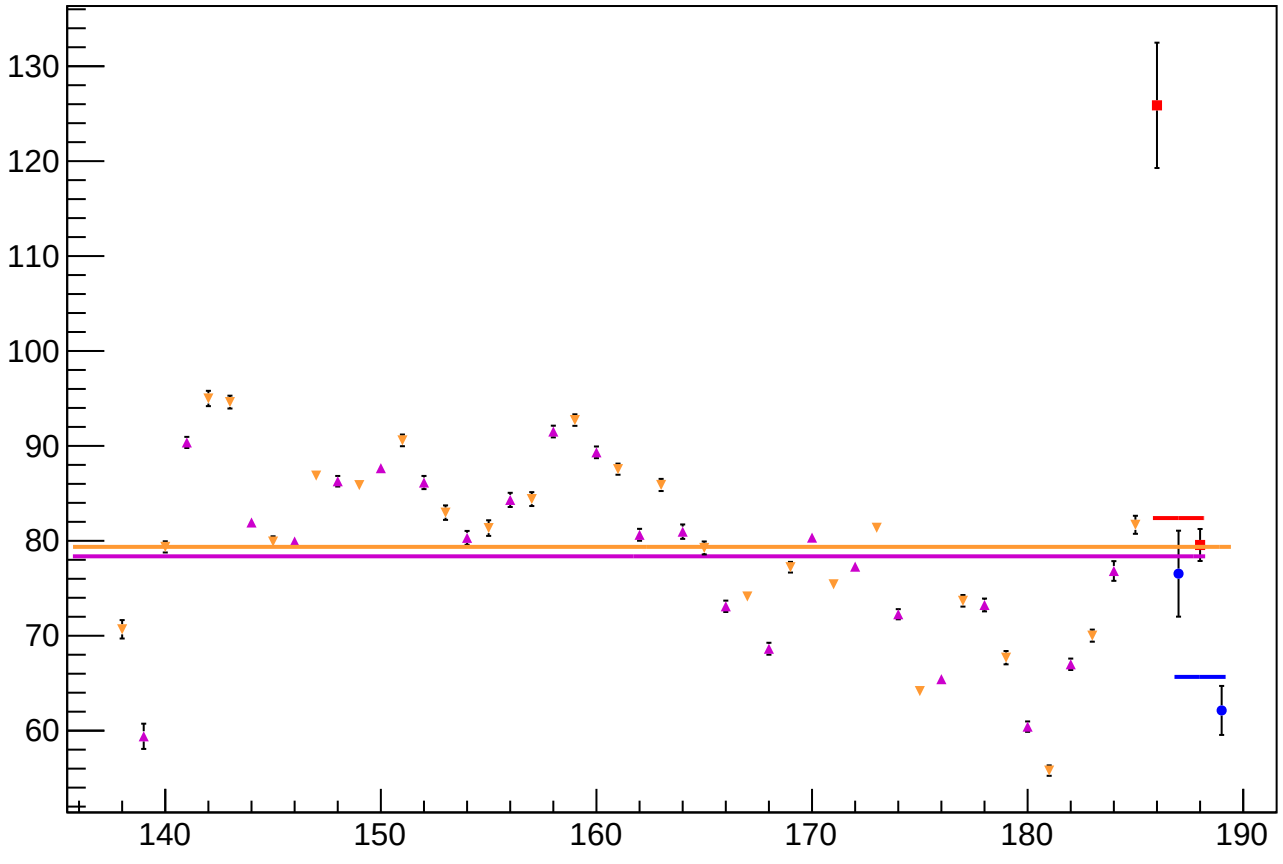
Left In: -27.796+/-0.142 $\chi^2$/NDF:15193.3/22

+ sign -28.492+/-0.139 $\chi^2$/NDF: 17833.7/26

All: -28.976+/-0.098 $\chi^2$/NDF: 36226.5/51

- sign -29.457+/-0.138 $\chi^2$/NDF: 18368.5/24

# reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug




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

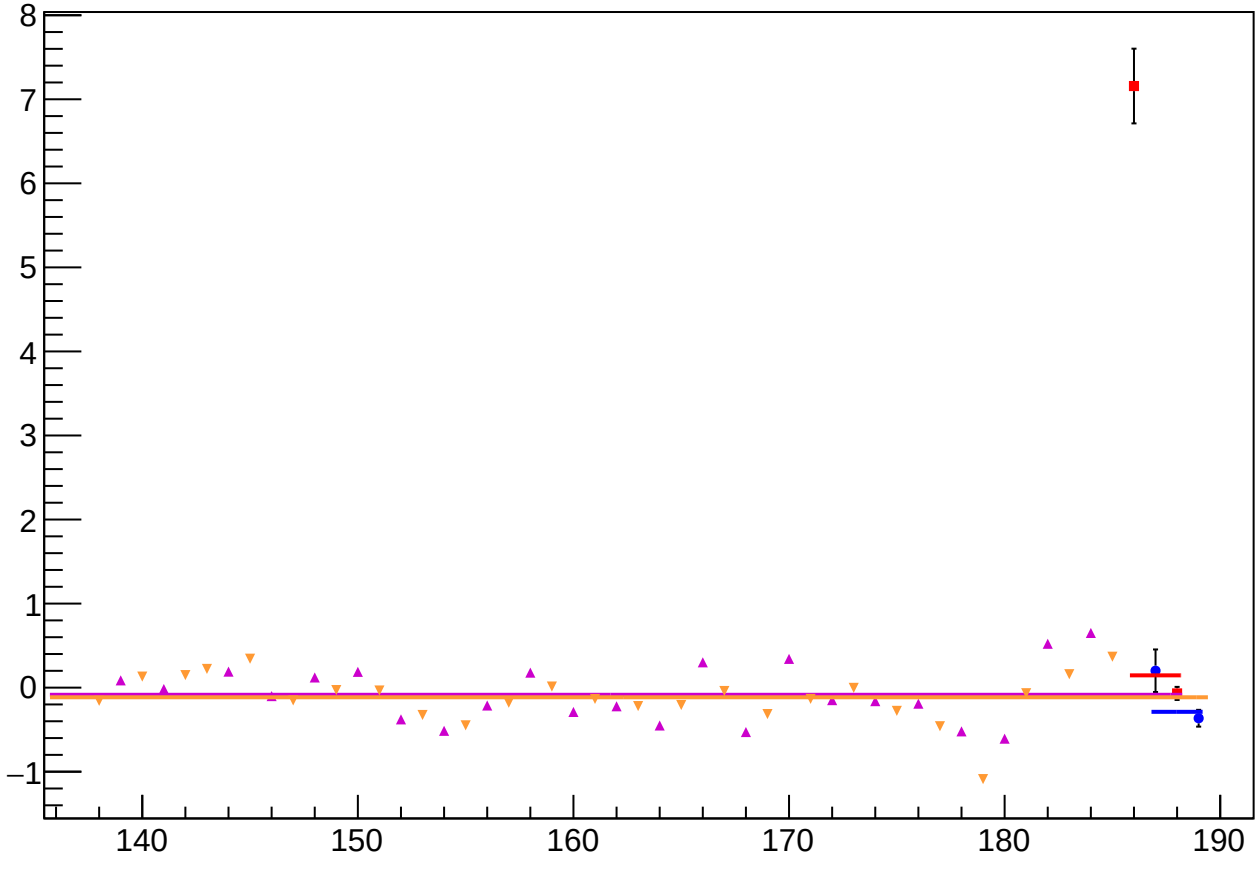
Left In: 78.367+/-0.126 $\chi^2$/NDF:4735.5/22

+ sign 79.322+/-0.123 $\chi^2$/NDF: 6011.1/26

All: 78.867+/-0.088 $\chi^2$/NDF: 10826.8/51

- sign 78.391+/-0.126 $\chi^2$/NDF: 4787.7/24

# reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug




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

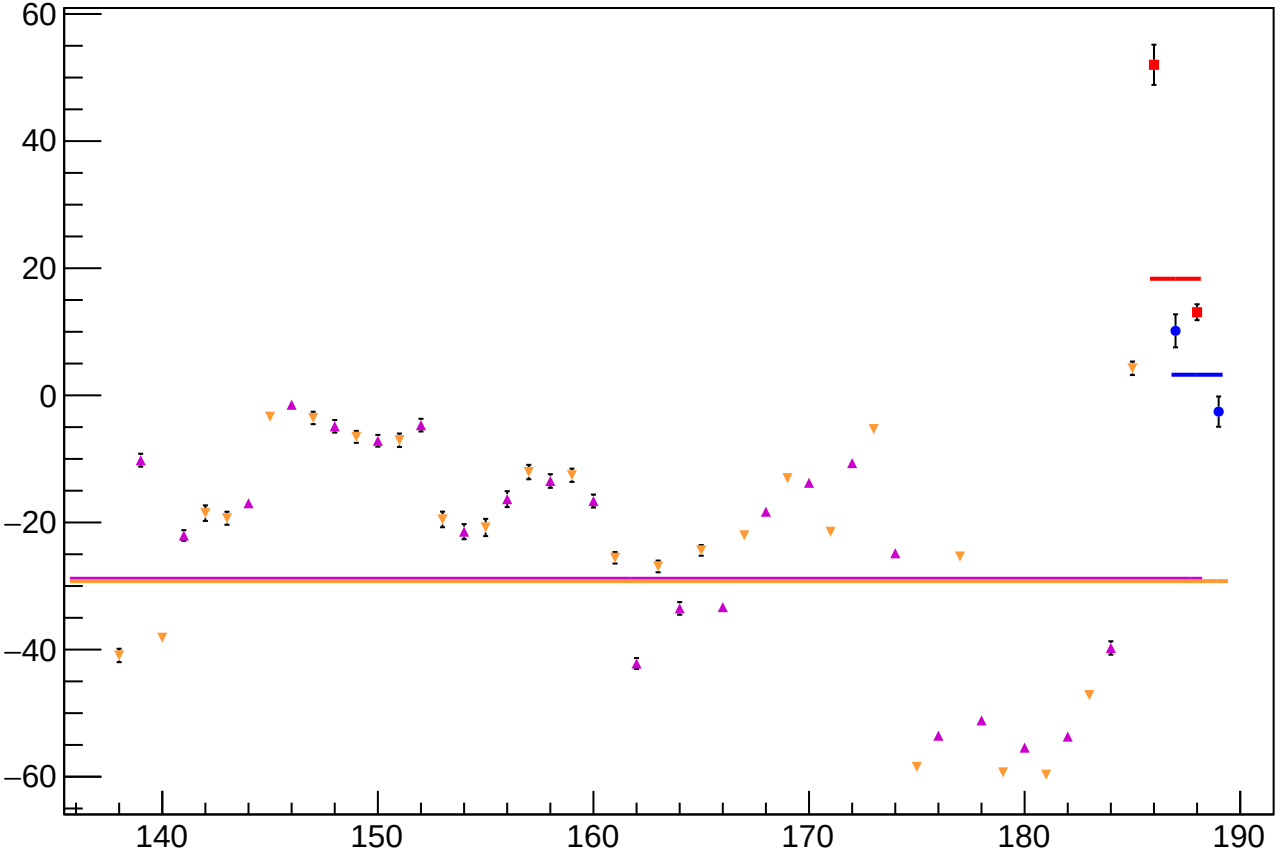
Left In: -0.085+/-0.006 $\chi^2$/NDF:3148.4/22

+ sign -0.115+/-0.006 $\chi^2$/NDF: 2296.5/26

All: -0.100+/-0.004 $\chi^2$/NDF: 5725.7/51

- sign -0.084+/-0.006 $\chi^2$/NDF: 3413.9/24

# reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug




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

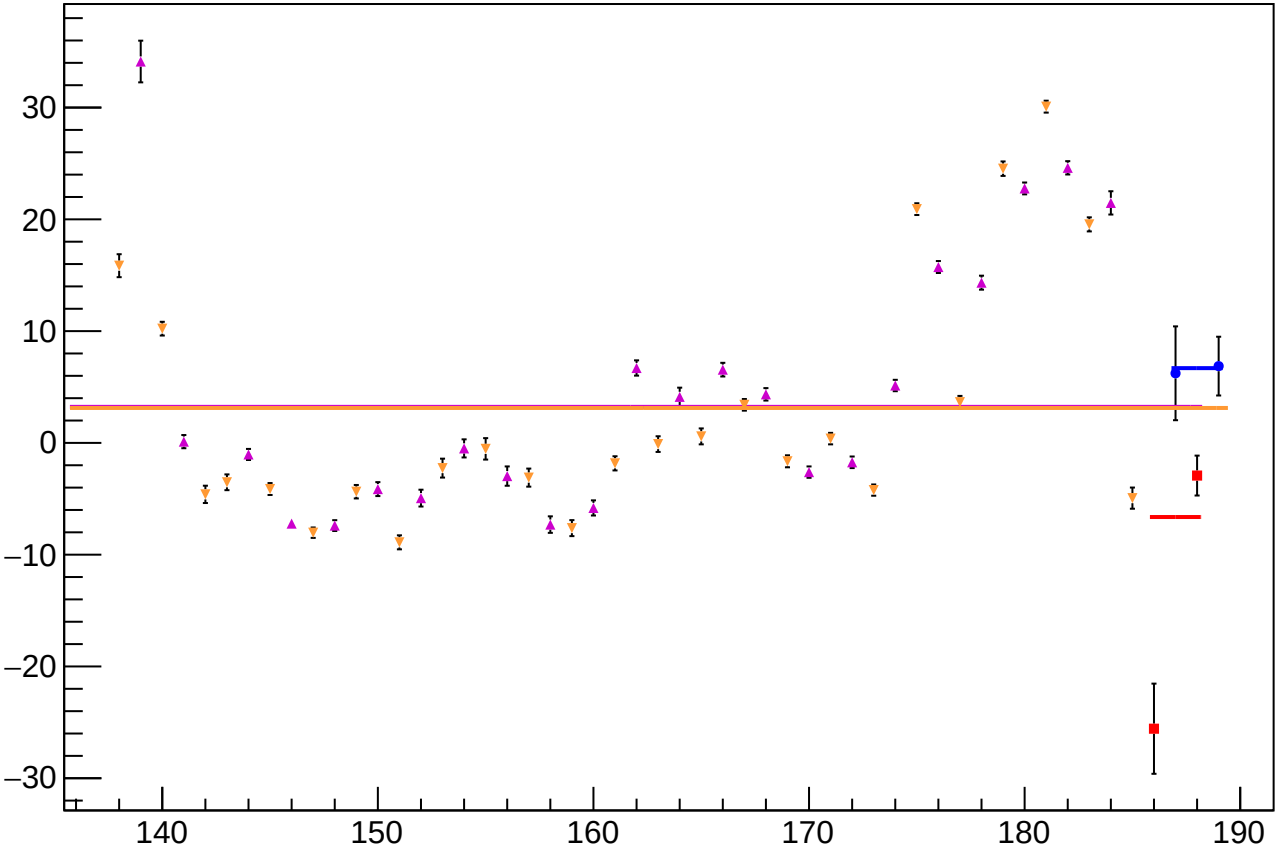
Left In: -28.857+/-0.159 $\chi^2$/NDF:13553.6/22

+ sign -28.969+/-0.156 $\chi^2$/NDF: 17232.8/26

All: -28.484+/-0.111 $\chi^2$/NDF: 32549.9/51

- sign -27.992+/-0.158 $\chi^2$/NDF: 15297.7/24

# reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug




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

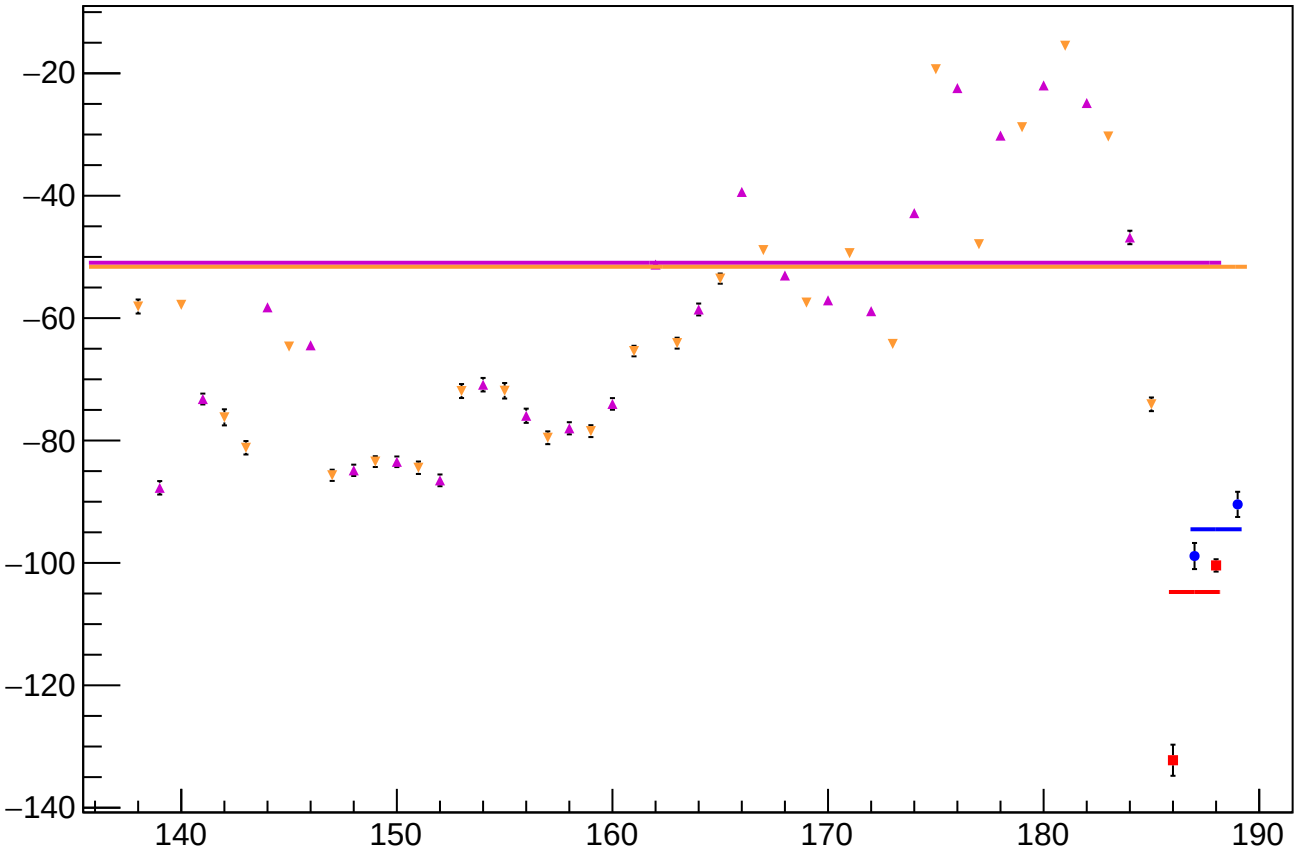
Left In: 3.224+/-0.127 $\chi^2$/NDF:6274.0/22

+ sign 3.137+/-0.124 $\chi^2$/NDF: 8051.6/26

All: 3.151+/-0.089 $\chi^2$/NDF: 14388.2/51

- sign 3.165+/-0.126 $\chi^2$/NDF: 6336.6/24

# reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug




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

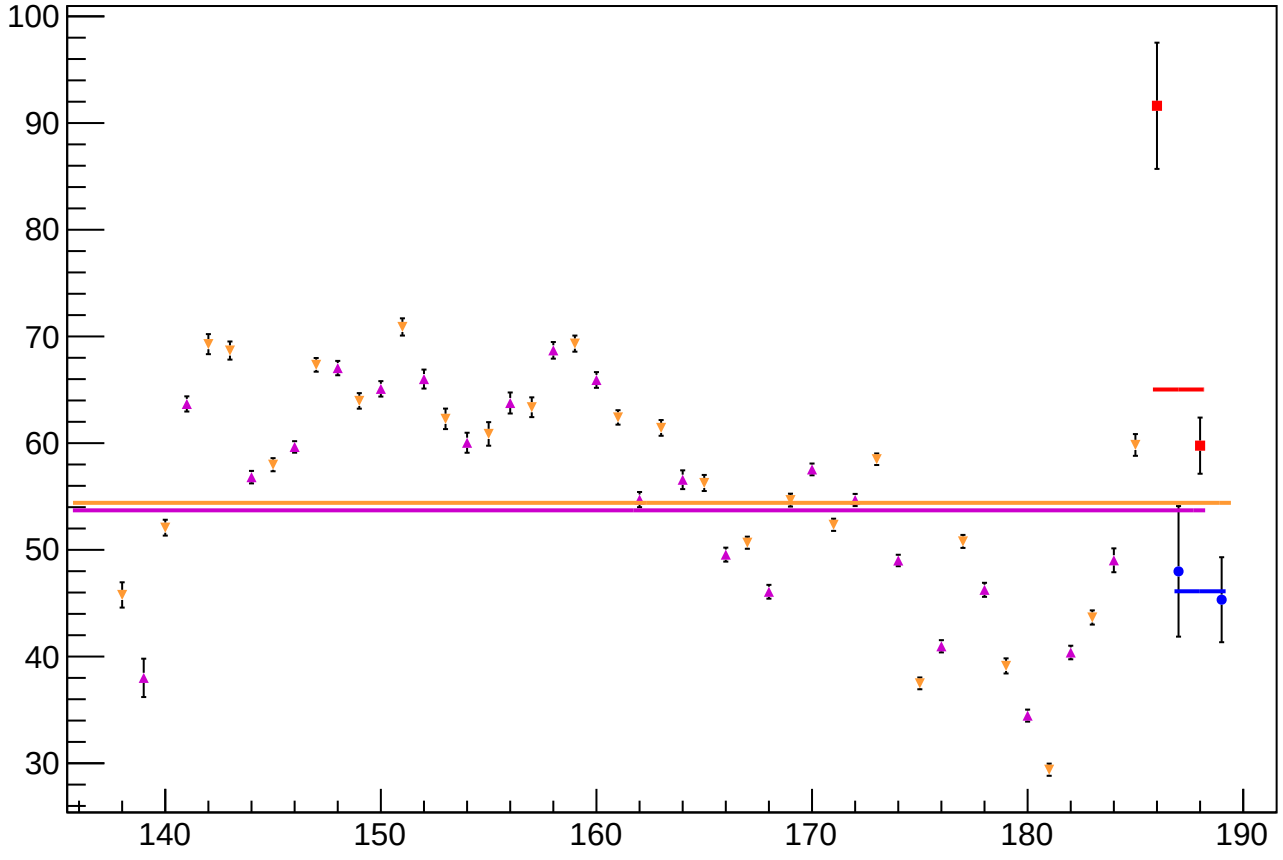
Left In: -50.954+/-0.159 $\chi^2$/NDF:17472.2/22

+ sign -52.093+/-0.157 $\chi^2$/NDF: 20221.7/26

All: -52.277+/-0.111 $\chi^2$/NDF: 41020.3/51

- sign -52.461+/-0.157 $\chi^2$/NDF: 20795.8/24

# reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug




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

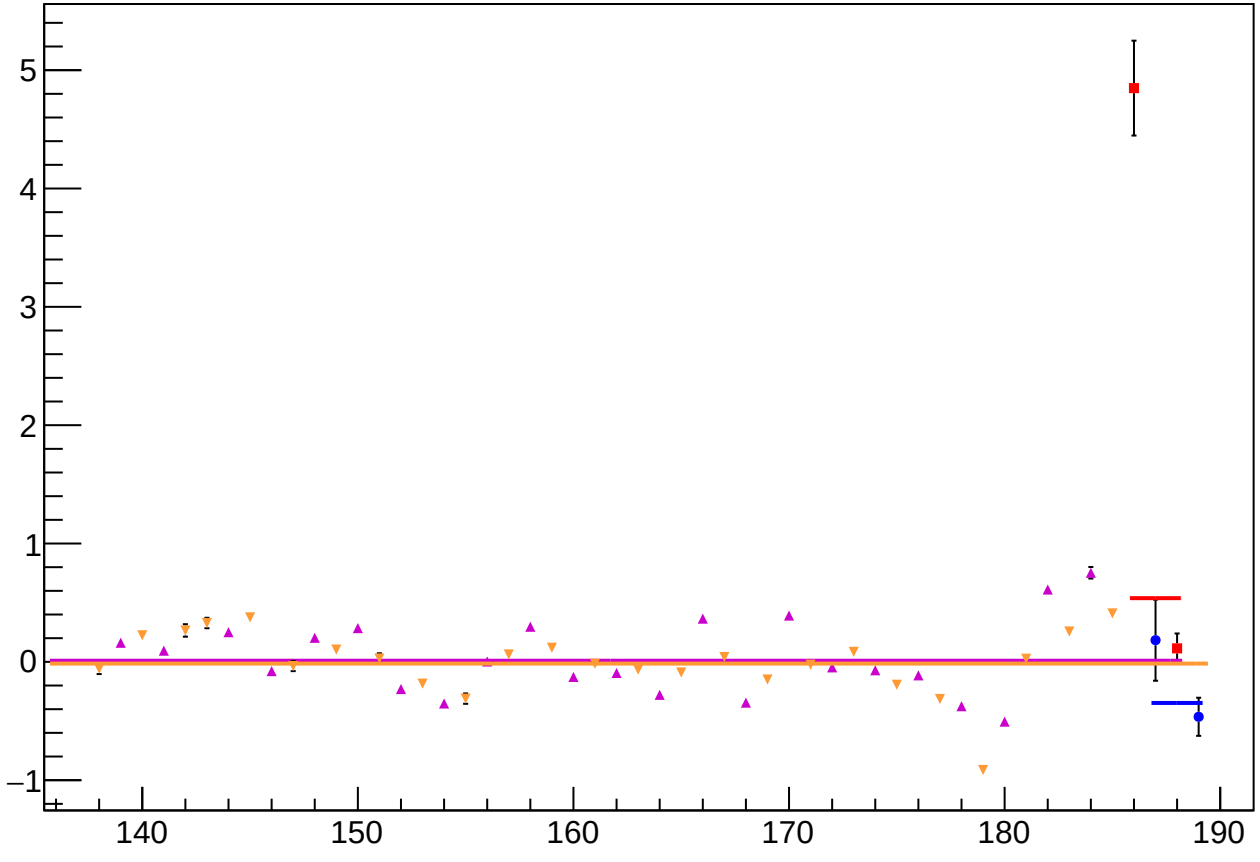
Left In: 53.704+/-0.143 $\chi^2$/NDF:4603.5/22

+ sign 54.392+/-0.140 $\chi^2$/NDF: 6206.7/26

All: 54.072+/-0.100 $\chi^2$/NDF: 10867.1/51

- sign 53.743+/-0.142 $\chi^2$/NDF: 4649.8/24

# reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug




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

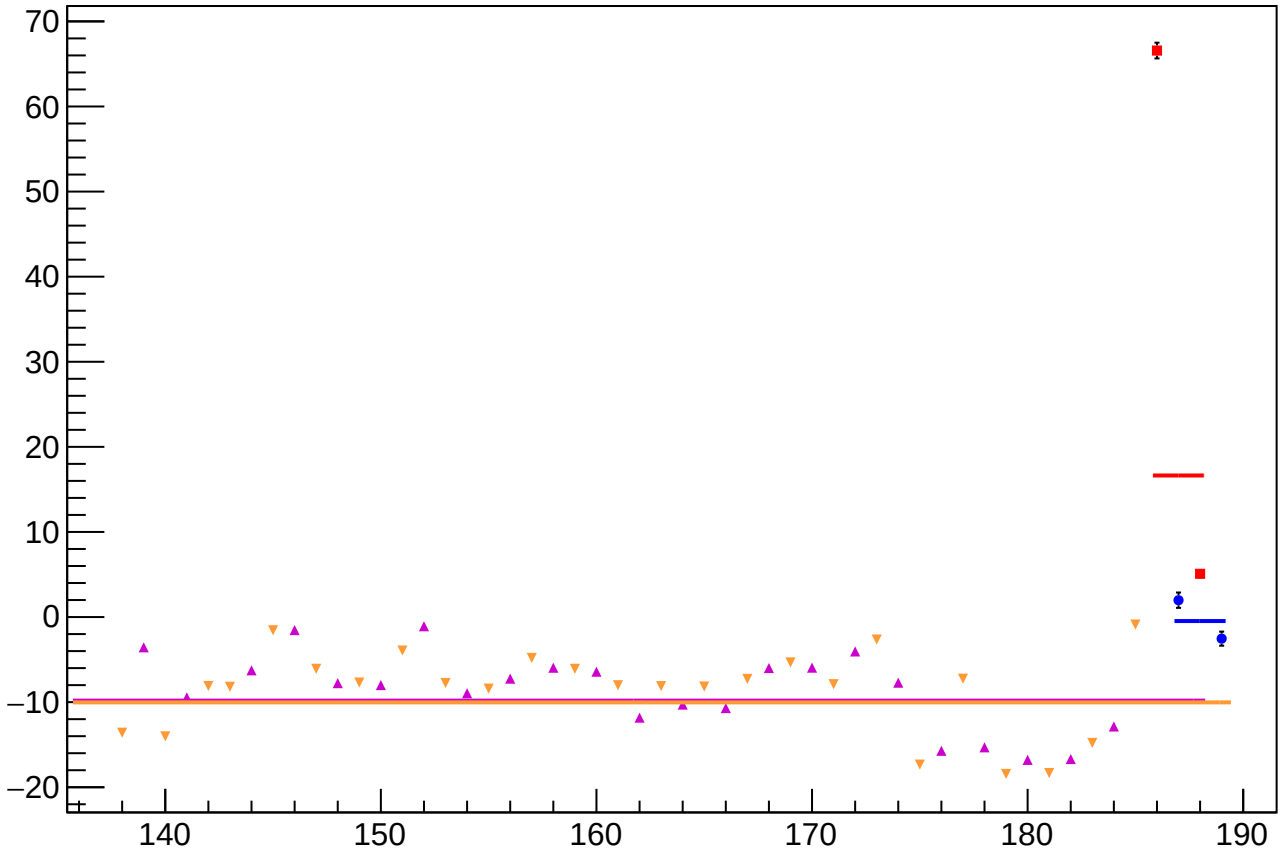
Left In: 0.009+/-0.007 $\chi^2$/NDF:2228.9/22

+ sign -0.015+/-0.006 $\chi^2$/NDF: 1654.0/26

All: -0.002+/-0.005 $\chi^2$/NDF: 4037.5/51

- sign 0.011+/-0.007 $\chi^2$/NDF: 2375.3/24

# reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug




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

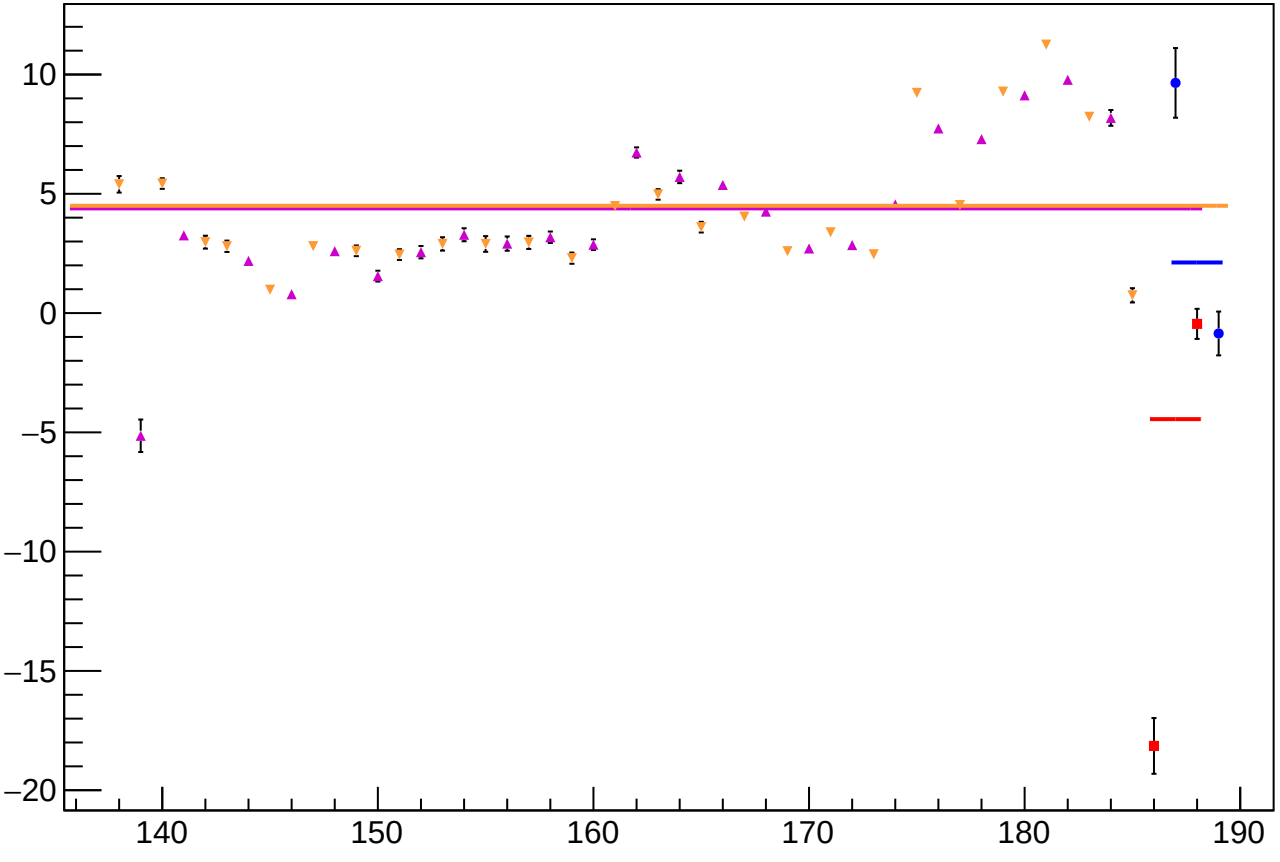
Left In: -9.820+/-0.051 $\chi^2$/NDF:9468.8/22

+ sign -9.964+/-0.051 $\chi^2$/NDF: 12787.5/26

All: -9.682+/-0.036 $\chi^2$/NDF: 30169.2/51

- sign -9.397+/-0.051 $\chi^2$/NDF: 17319.2/24

# reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug




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

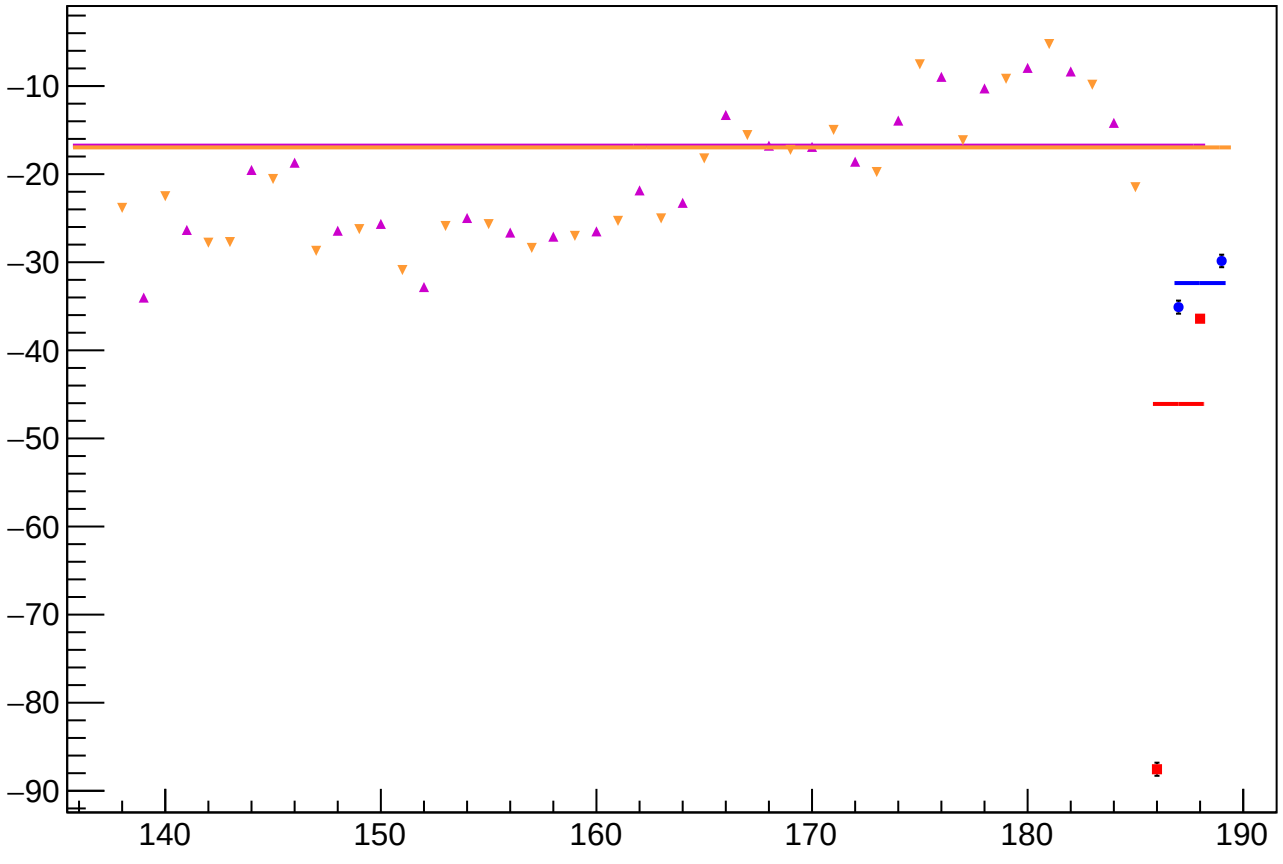
Left In: 4.388+/-0.041 $\chi^2$/NDF:4266.4/22

+ sign 4.492+/-0.041 $\chi^2$/NDF: 4855.7/26

All: 4.416+/-0.029 $\chi^2$/NDF: 9558.6/51

- sign 4.340+/-0.041 $\chi^2$/NDF: 4695.9/24

# reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug




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

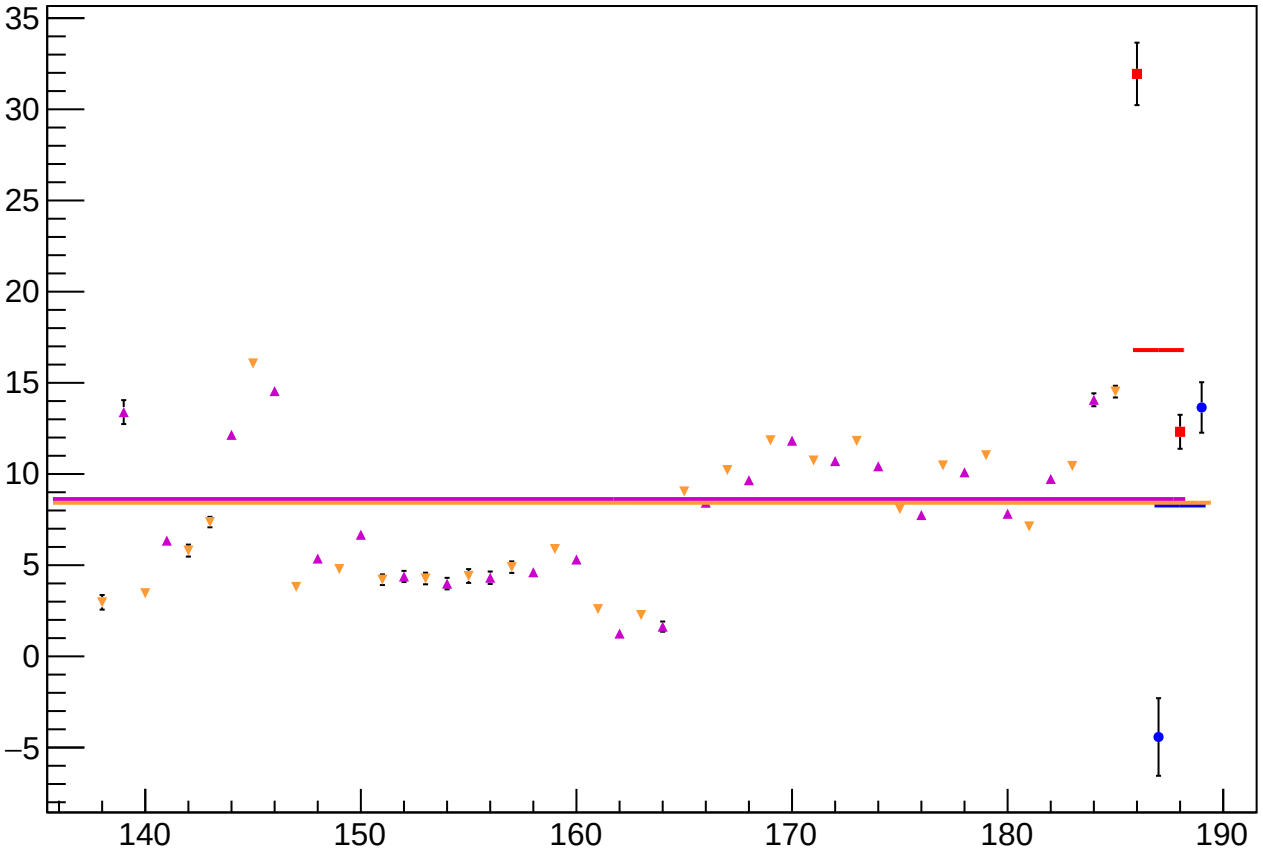
Left In: -16.764+/-0.051 $\chi^2$/NDF:19037.7/22

+ sign -17.117+/-0.051 $\chi^2$/NDF: 22820.3/26

All: -17.301+/-0.036 $\chi^2$/NDF: 53716.7/51

- sign -17.483+/-0.051 $\chi^2$/NDF: 30870.3/24

# reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug




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

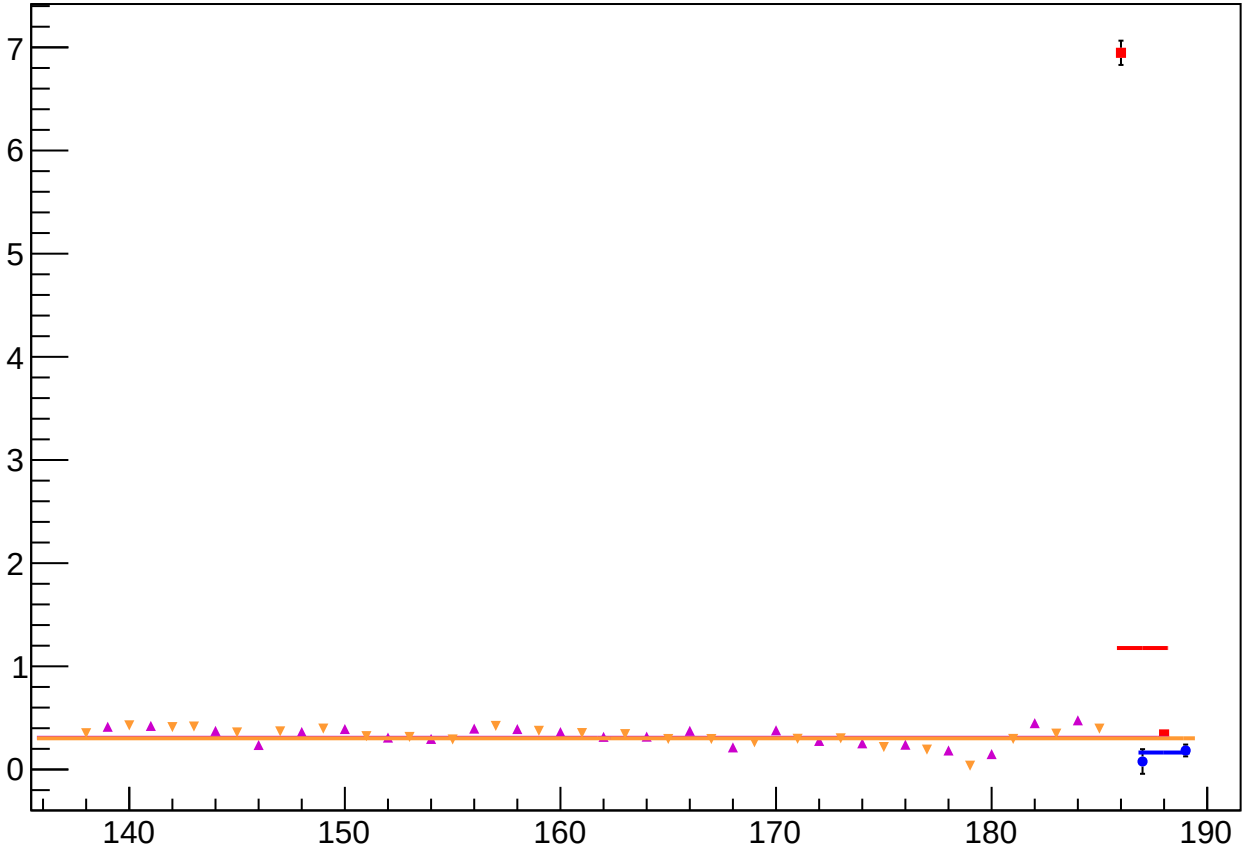
Left In: 8.626+/-0.046 $\chi^2$/NDF:5531.9/22

+ sign 8.424+/-0.046 $\chi^2$/NDF: 6529.3/26

All: 8.537+/-0.032 $\chi^2$/NDF: 12274.3/51

- sign 8.652+/-0.046 $\chi^2$/NDF: 5732.6/24

# reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug




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

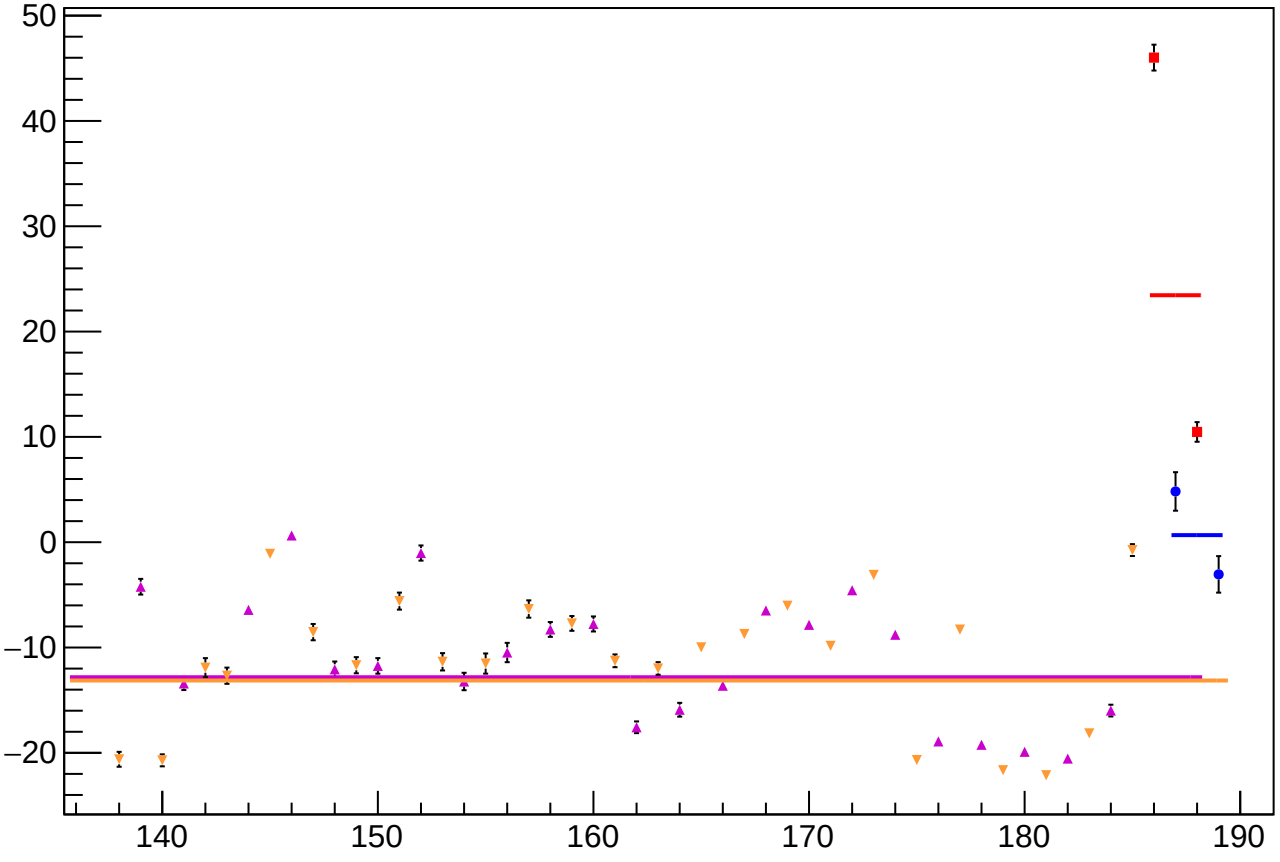
Left In: 0.307+/-0.002 $\chi^2$/NDF:1716.8/22

+ sign 0.302+/-0.002 $\chi^2$/NDF: 1597.6/26

All: 0.306+/-0.001 $\chi^2$/NDF: 6505.9/51

- sign 0.309+/-0.002 $\chi^2$/NDF: 4902.3/24

# reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug




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

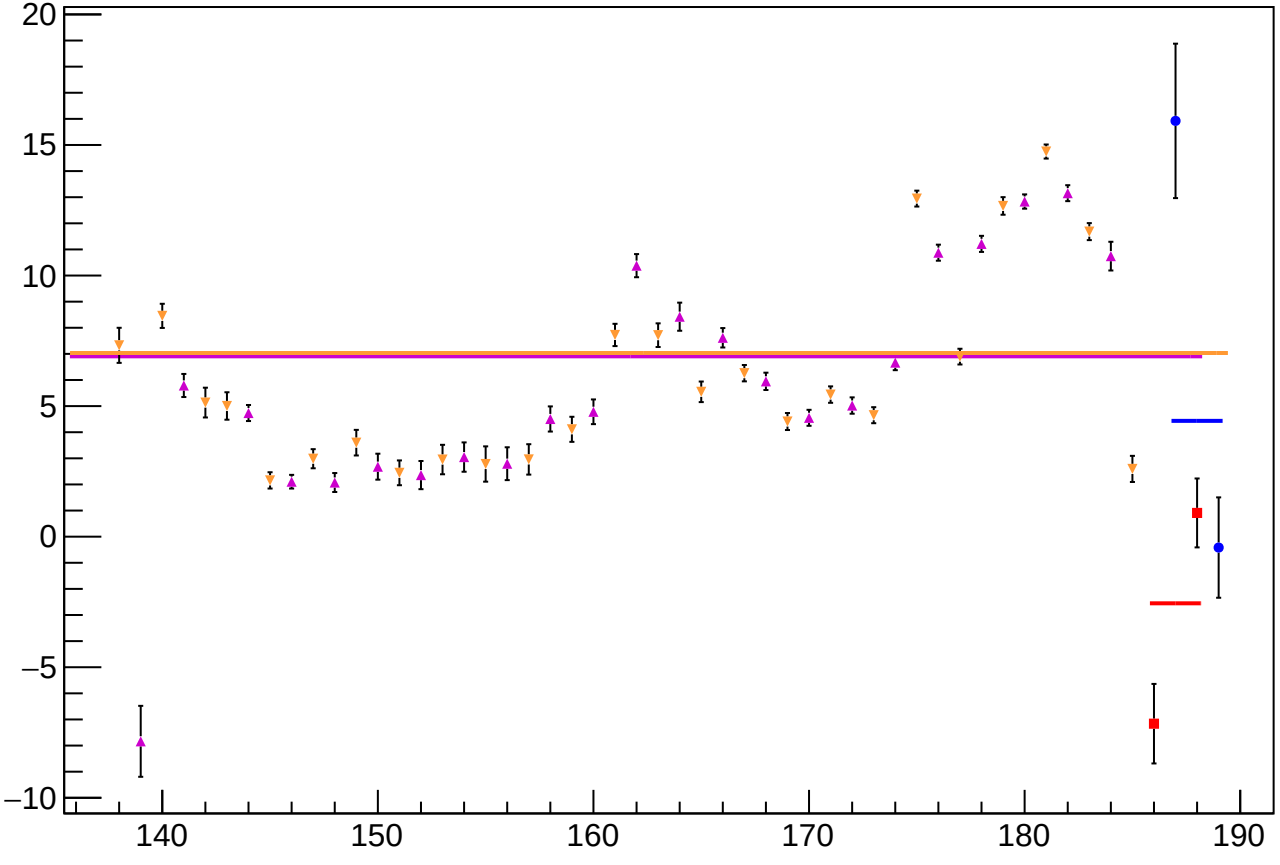
Left In: -12.823+/-0.095 $\chi^2$/NDF:4841.5/22

+ sign -13.056+/-0.093 $\chi^2$/NDF: 6103.9/26

All: -12.651+/-0.066 $\chi^2$/NDF: 13861.5/51

- sign -12.243+/-0.094 $\chi^2$/NDF: 7719.8/24

# reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug




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

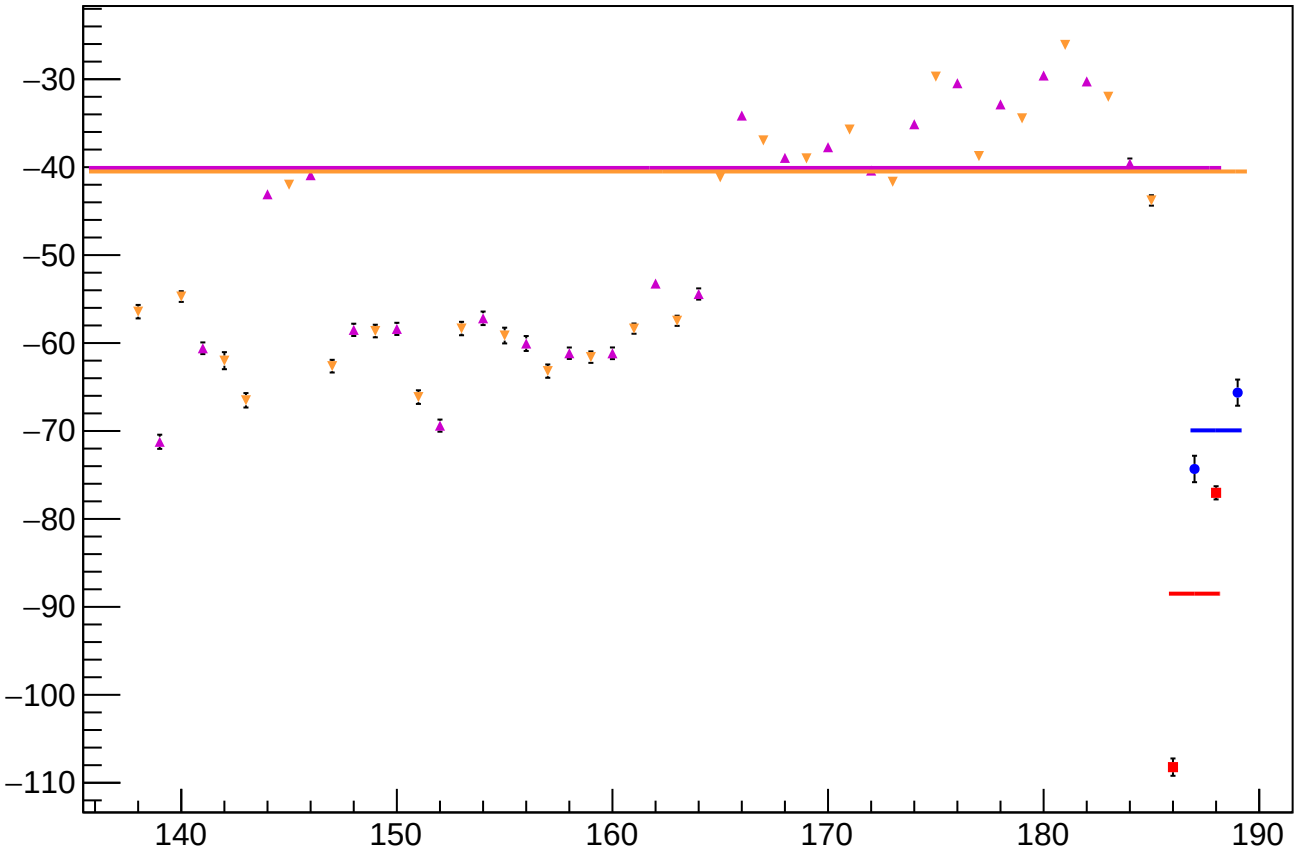
Left In: 6.906+/-0.077 $\chi^2$/NDF:2442.8/22

+ sign 7.028+/-0.077 $\chi^2$/NDF: 2681.6/26

All: 6.939+/-0.055 $\chi^2$/NDF: 5232.5/51

- sign 6.849+/-0.077 $\chi^2$/NDF: 2548.3/24

# reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug




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

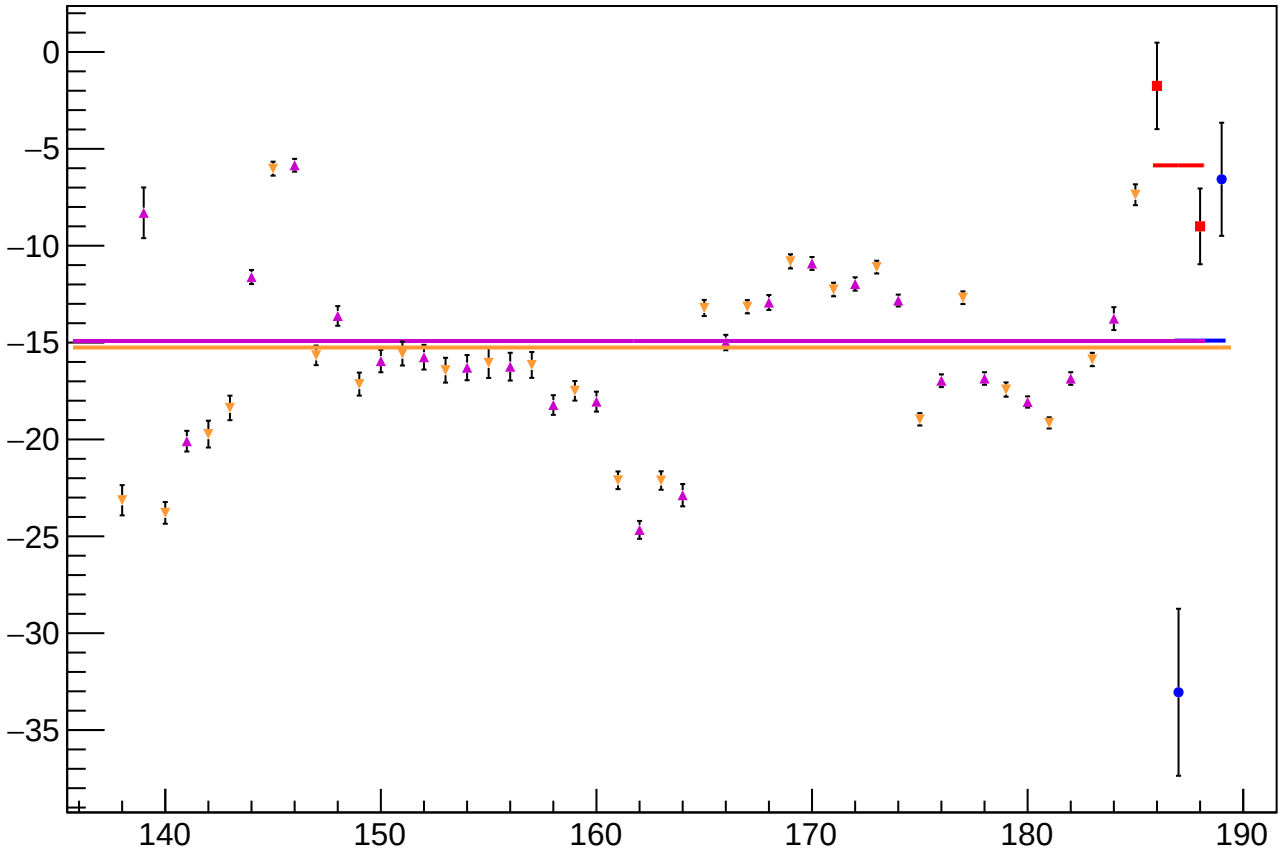
Left In: -40.091+/-0.095 $\chi^2$/NDF:14103.5/22

+ sign -40.727+/-0.094 $\chi^2$/NDF: 16221.4/26

All: -41.010+/-0.067 $\chi^2$/NDF: 37373.8/51

- sign -41.290+/-0.094 $\chi^2$/NDF: 21134.6/24

# reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug




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

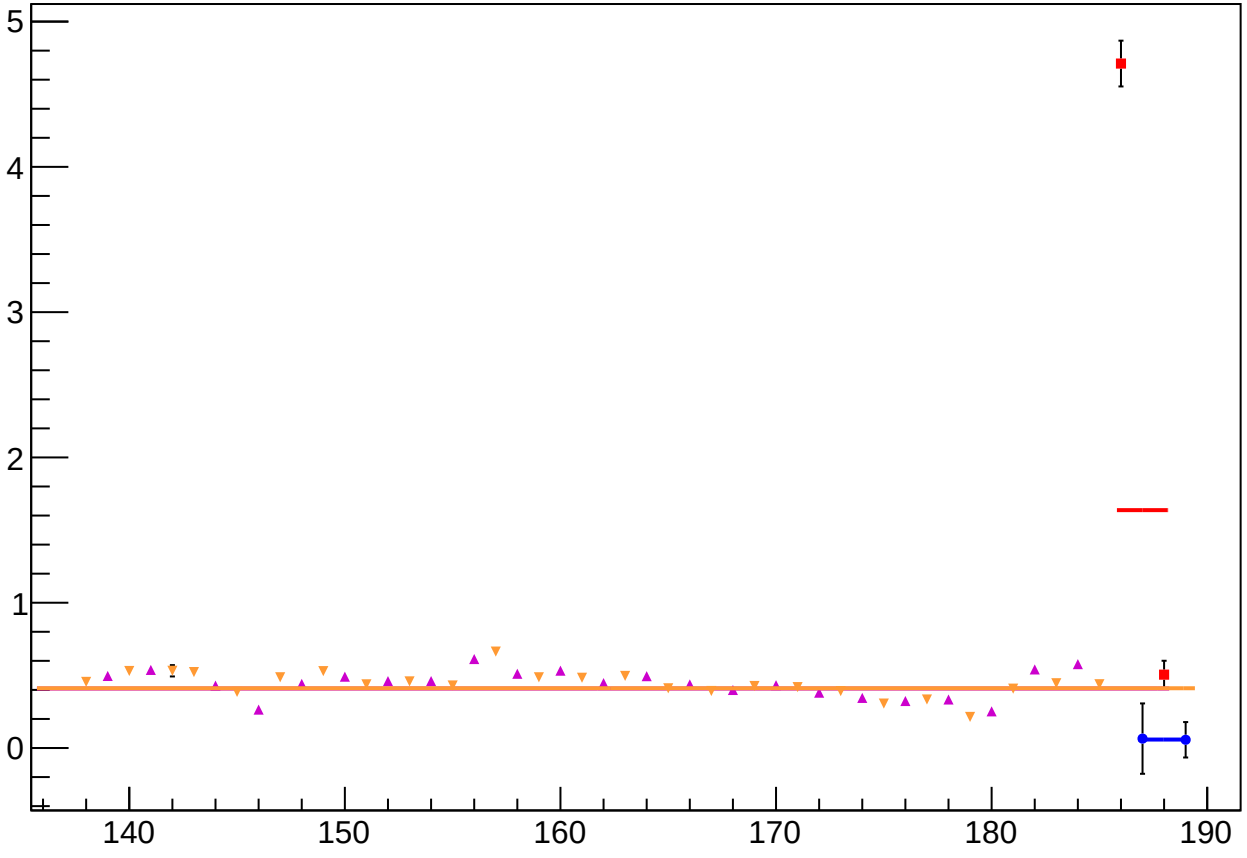
Left In: -14.919+/-0.087 $\chi^2$/NDF:2207.7/22

+ sign -15.254+/-0.086 $\chi^2$/NDF: 2620.3/26

All: -15.072+/-0.061 $\chi^2$/NDF: 4880.9/51

- sign -14.888+/-0.086 $\chi^2$/NDF: 2251.6/24

# reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug




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

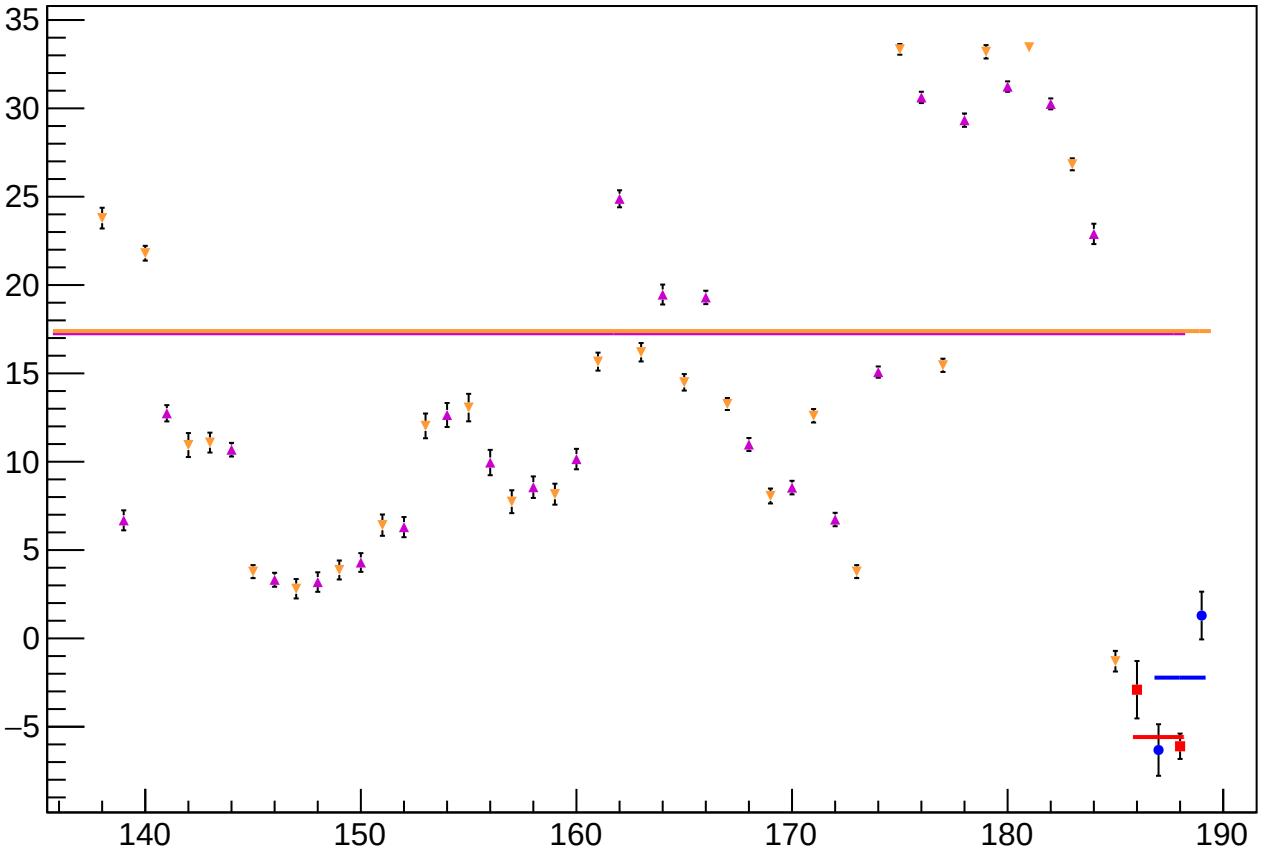
Left In: 0.409+/-0.004 $\chi^2$/NDF:561.9/22

+ sign 0.411+/-0.004 $\chi^2$/NDF: 439.3/26

All: 0.412+/-0.003 $\chi^2$/NDF: 1747.1/51

- sign 0.412+/-0.004 $\chi^2$/NDF: 1307.8/24

# reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug




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

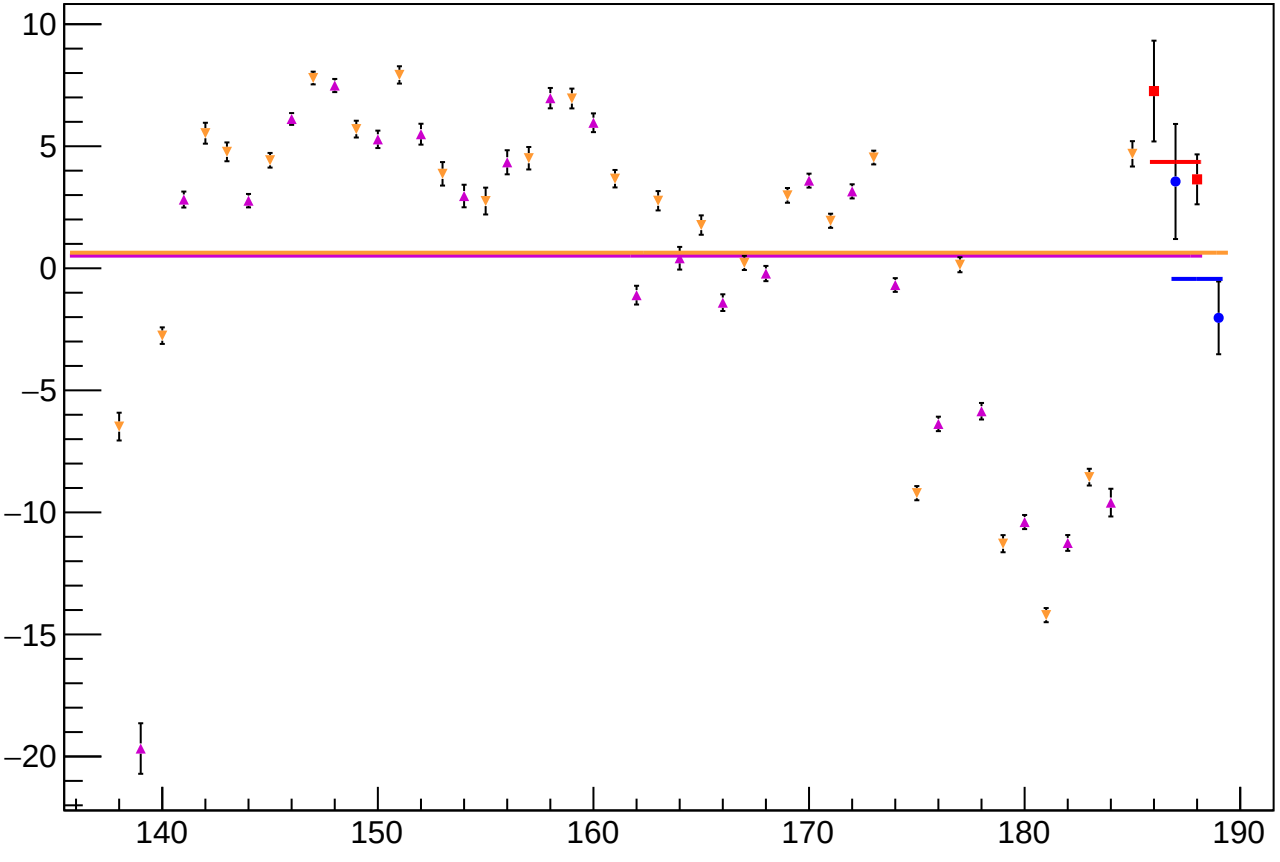
Left In: 17.271+/-0.088 $\chi^2$/NDF:12892.2/22

+ sign 17.242+/-0.087 $\chi^2$/NDF: 16709.0/26

All: 17.054+/-0.062 $\chi^2$/NDF: 30806.8/51

- sign 16.862+/-0.088 $\chi^2$/NDF: 14088.4/24

# reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug




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

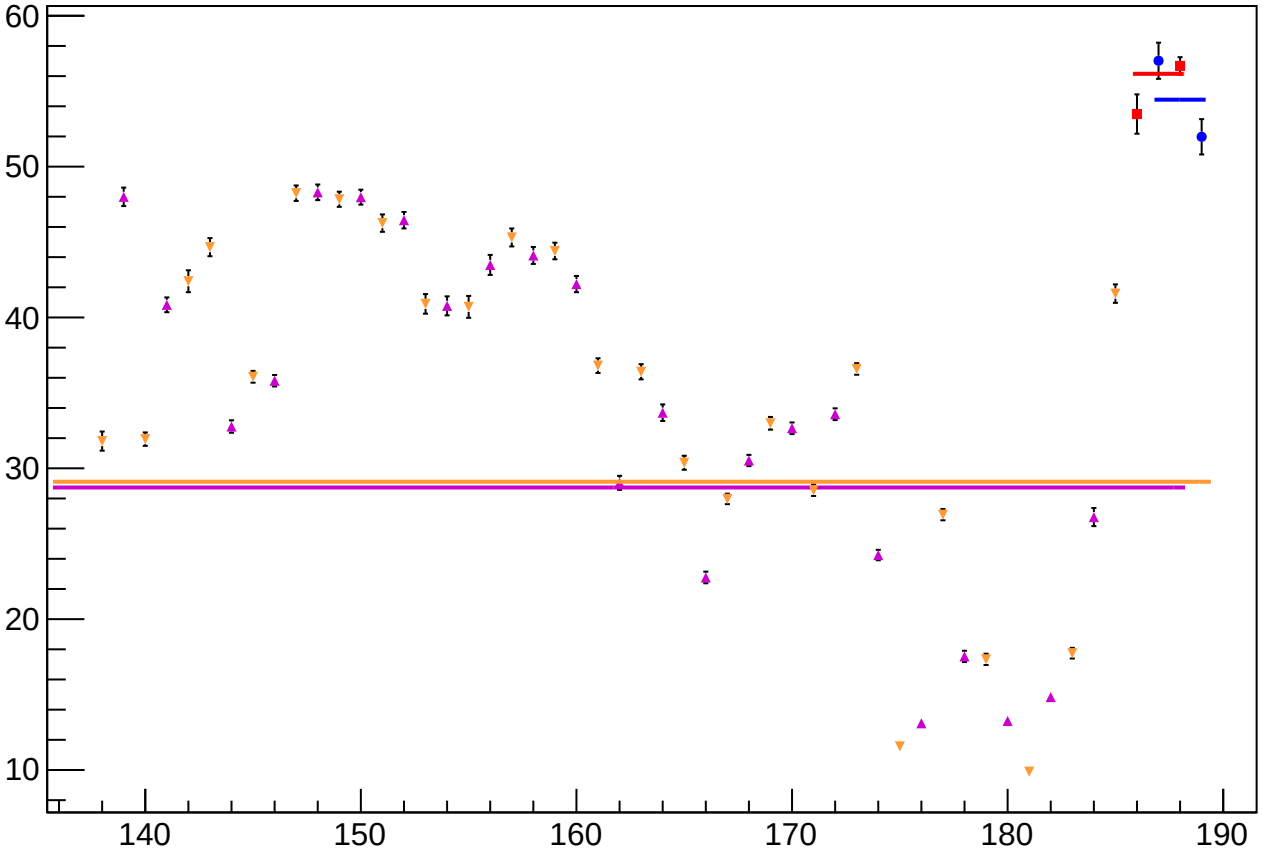
Left In: 0.519+/-0.071 $\chi^2$/NDF:6776.8/22

+ sign 0.636+/-0.069 $\chi^2$/NDF: 8519.6/26

All: 0.589+/-0.049 $\chi^2$/NDF: 15317.2/51

- sign 0.542+/-0.070 $\chi^2$/NDF: 6796.7/24

# reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug




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

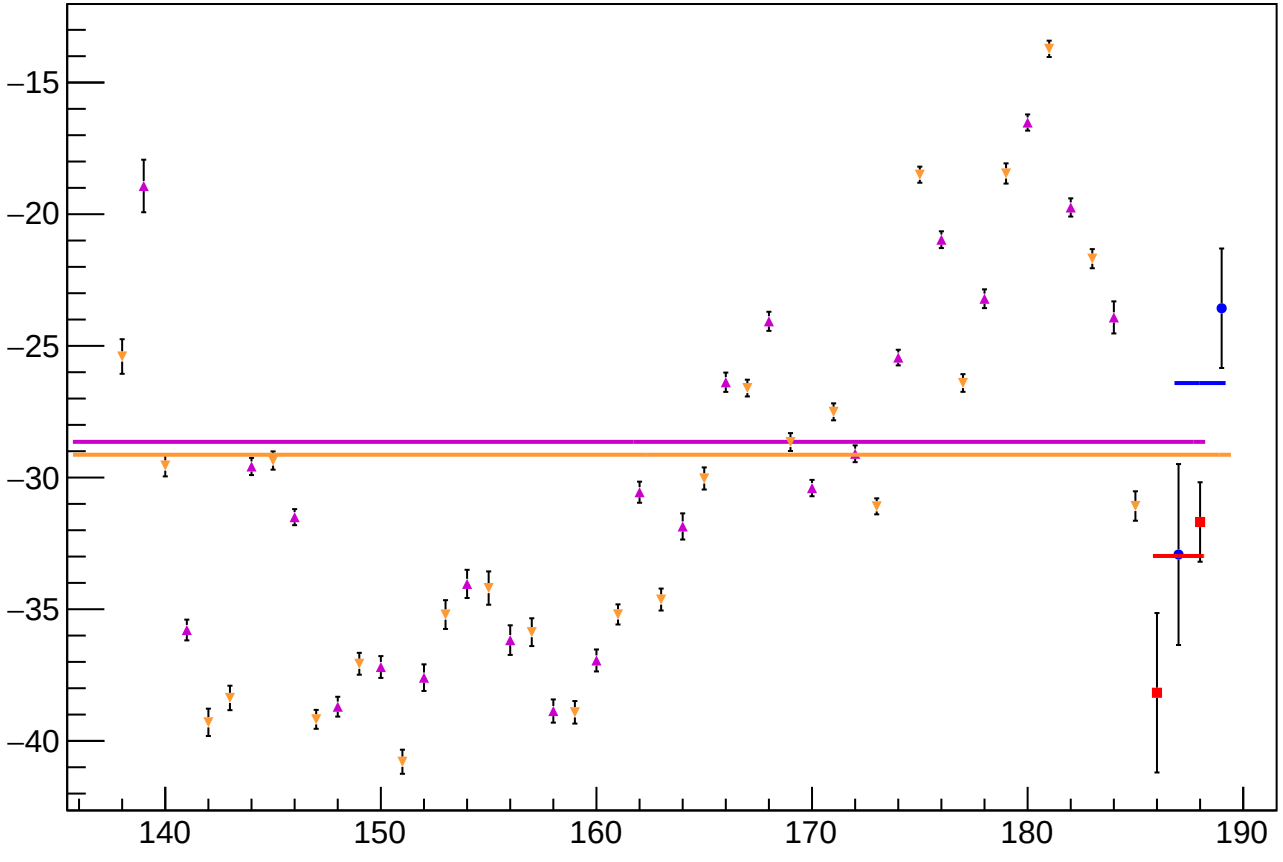
Left In: 28.728+/-0.089 $\chi^2$/NDF:17037.4/22

+ sign 29.386+/-0.087 $\chi^2$/NDF: 19758.8/26

All: 29.433+/-0.062 $\chi^2$/NDF: 39417.2/51

- sign 29.479+/-0.088 $\chi^2$/NDF: 19657.8/24

# reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug




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

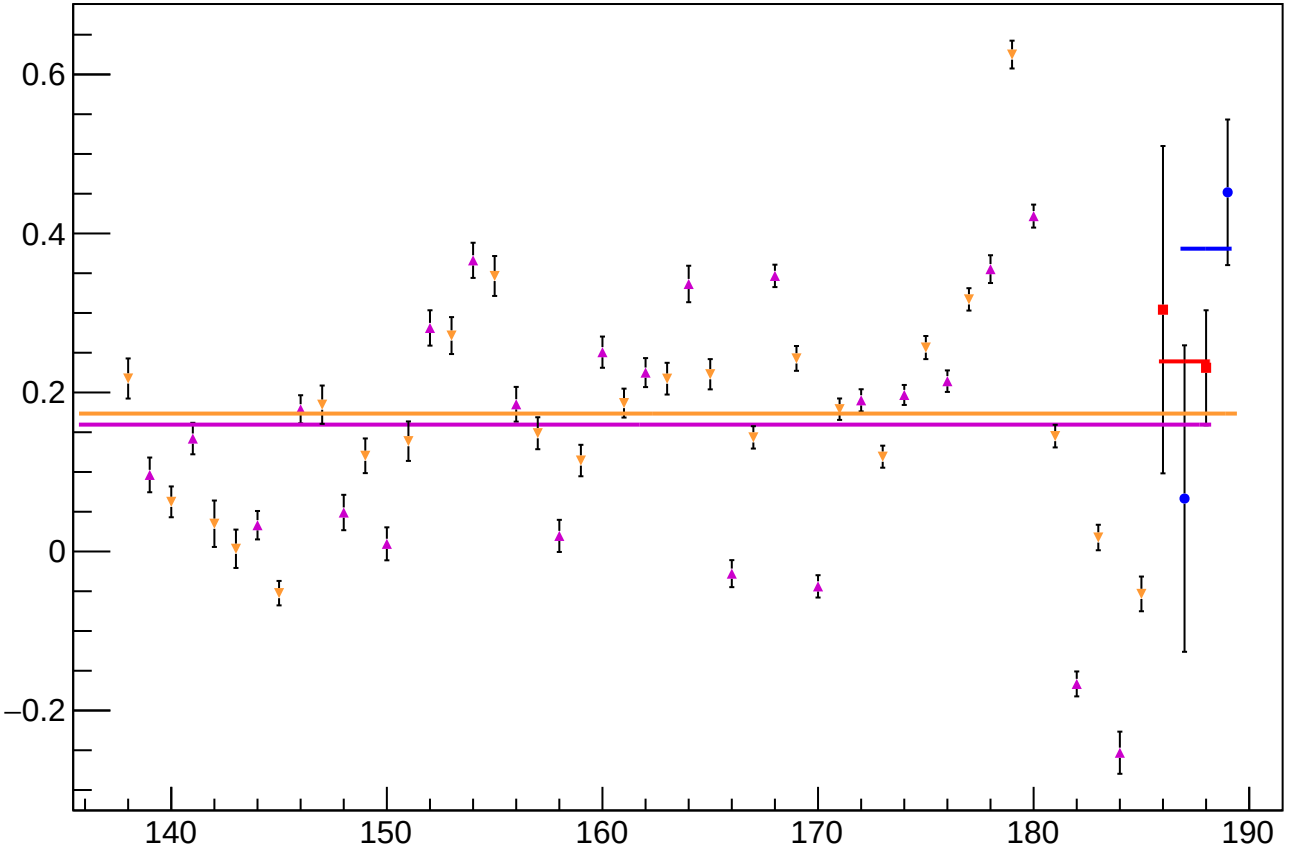
Left In: -28.645+/-0.080 $\chi^2$/NDF:6693.5/22

+ sign -29.129+/-0.078 $\chi^2$/NDF: 9005.3/26

All: -28.898+/-0.056 $\chi^2$/NDF: 15730.4/51

- sign -28.660+/-0.079 $\chi^2$/NDF: 6707.4/24

# reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug




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

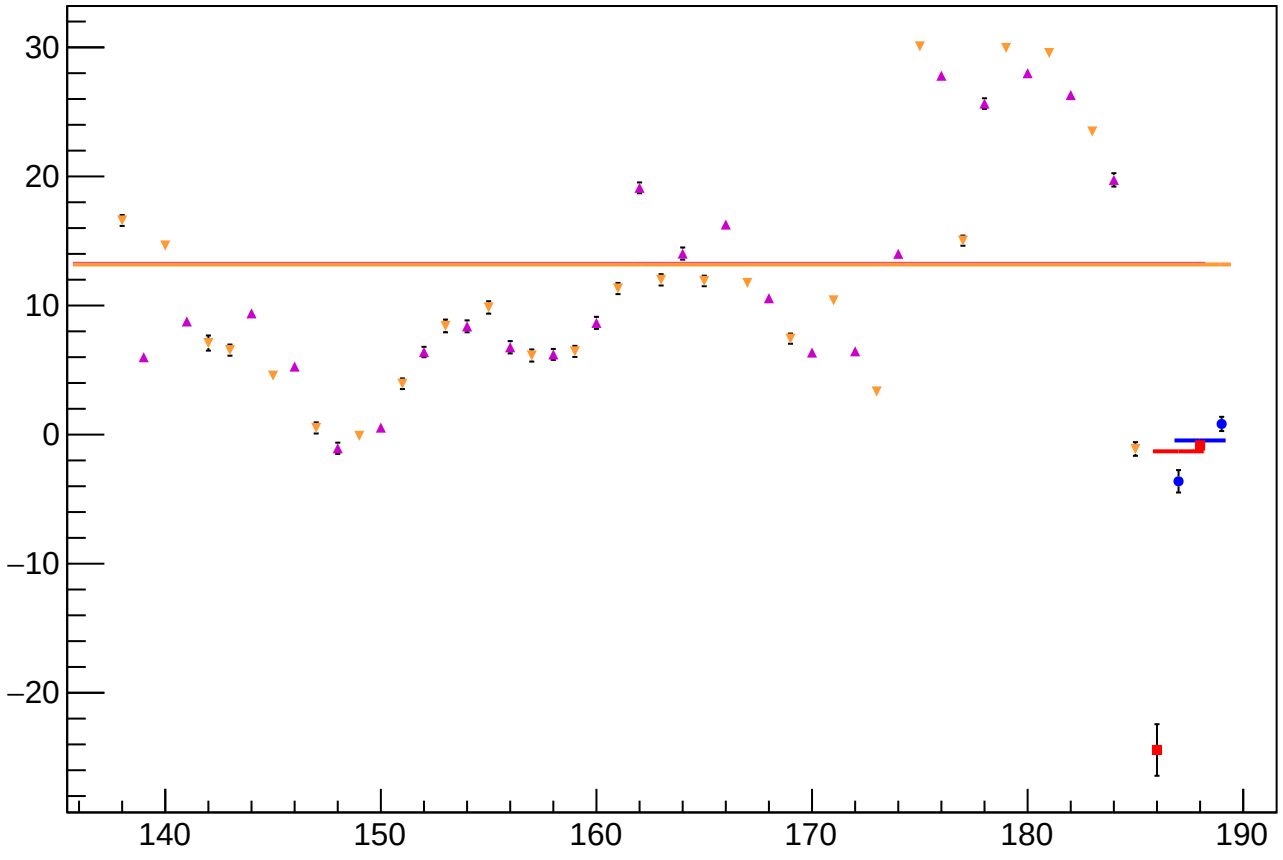
Left In: 0.160+/-0.004 $\chi^2$/NDF:2063.7/22

+ sign 0.174+/-0.004 $\chi^2$/NDF: 1478.4/26

All: 0.167+/-0.003 $\chi^2$/NDF: 3551.1/51

- sign 0.160+/-0.004 $\chi^2$/NDF: 2065.2/24

# reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug




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

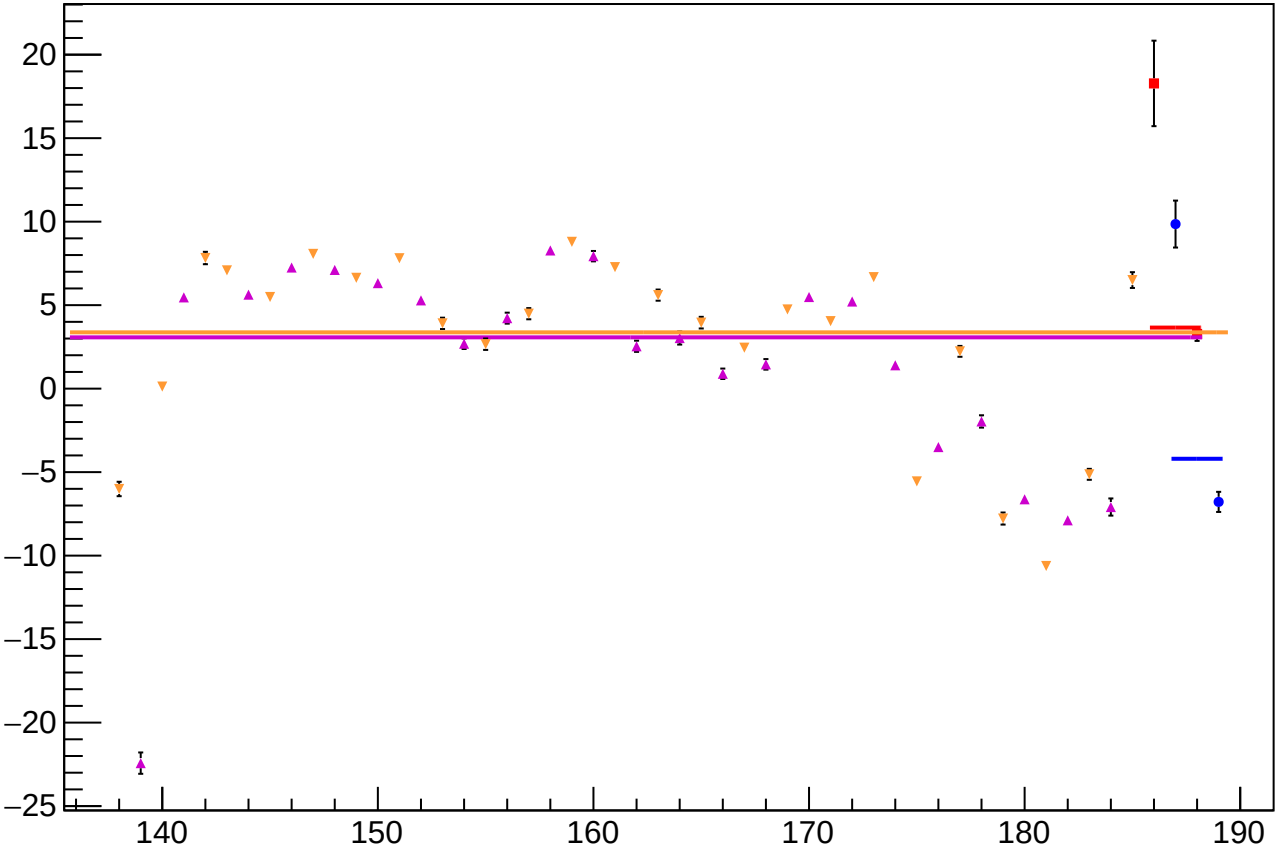
Left In: 13.228+/-0.077 $\chi^2$/NDF:14126.1/22

+ sign 12.833+/-0.074 $\chi^2$/NDF: 17894.7/26

All: 12.519+/-0.052 $\chi^2$/NDF: 34709.3/51

- sign 12.210+/-0.074 $\chi^2$/NDF: 16779.5/24

# reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug




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

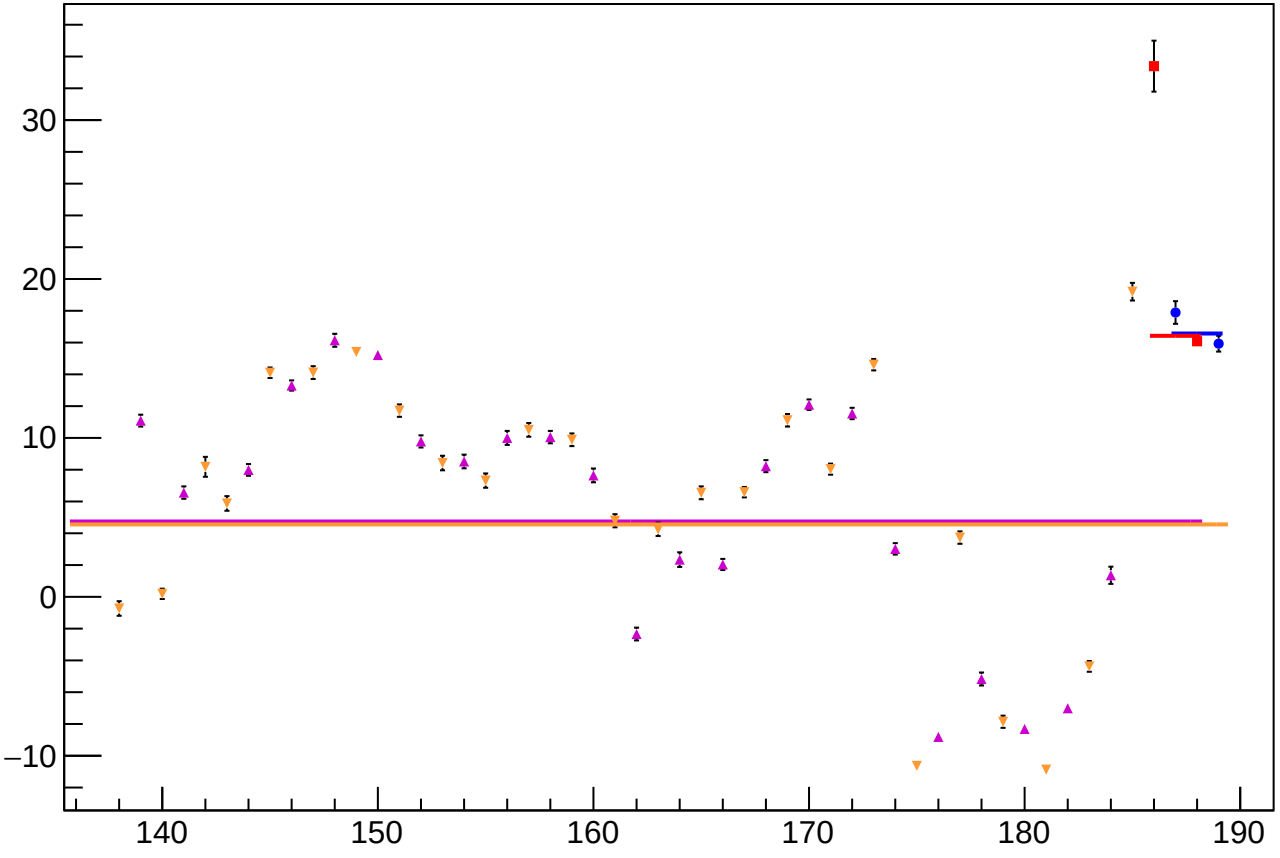
Left In: 3.071+/-0.060 $\chi^2$/NDF:7269.0/22

+ sign 3.288+/-0.058 $\chi^2$/NDF: 8357.0/26

All: 3.189+/-0.042 $\chi^2$/NDF: 15667.5/51

- sign 3.084+/-0.060 $\chi^2$/NDF: 7304.5/24

# reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug




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

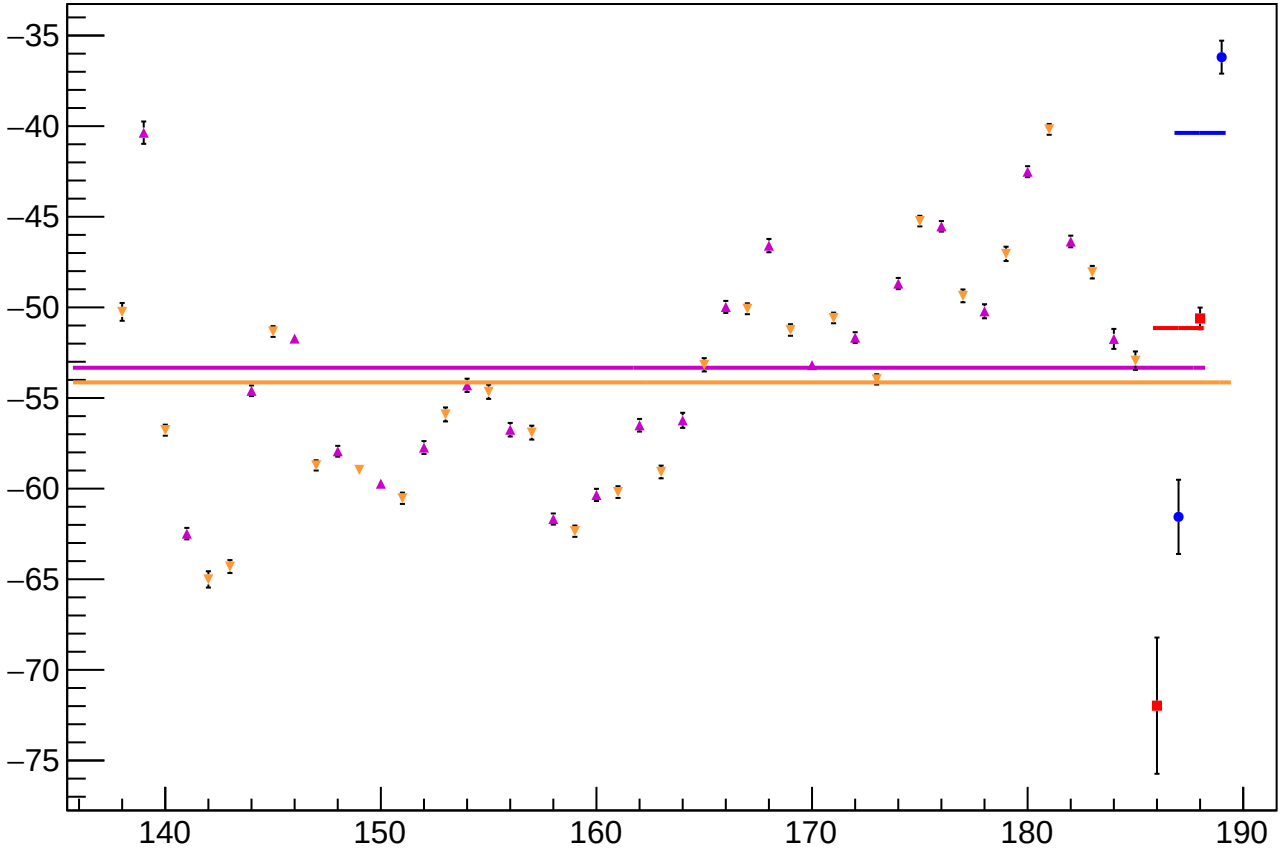
Left In: 4.741+/-0.076 $\chi^2$/NDF:11418.2/22

+ sign 4.956+/-0.074 $\chi^2$/NDF: 14432.7/26

All: 5.458+/-0.052 $\chi^2$/NDF: 28445.4/51

- sign 5.936+/-0.072 $\chi^2$/NDF: 13923.4/24

# reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug




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

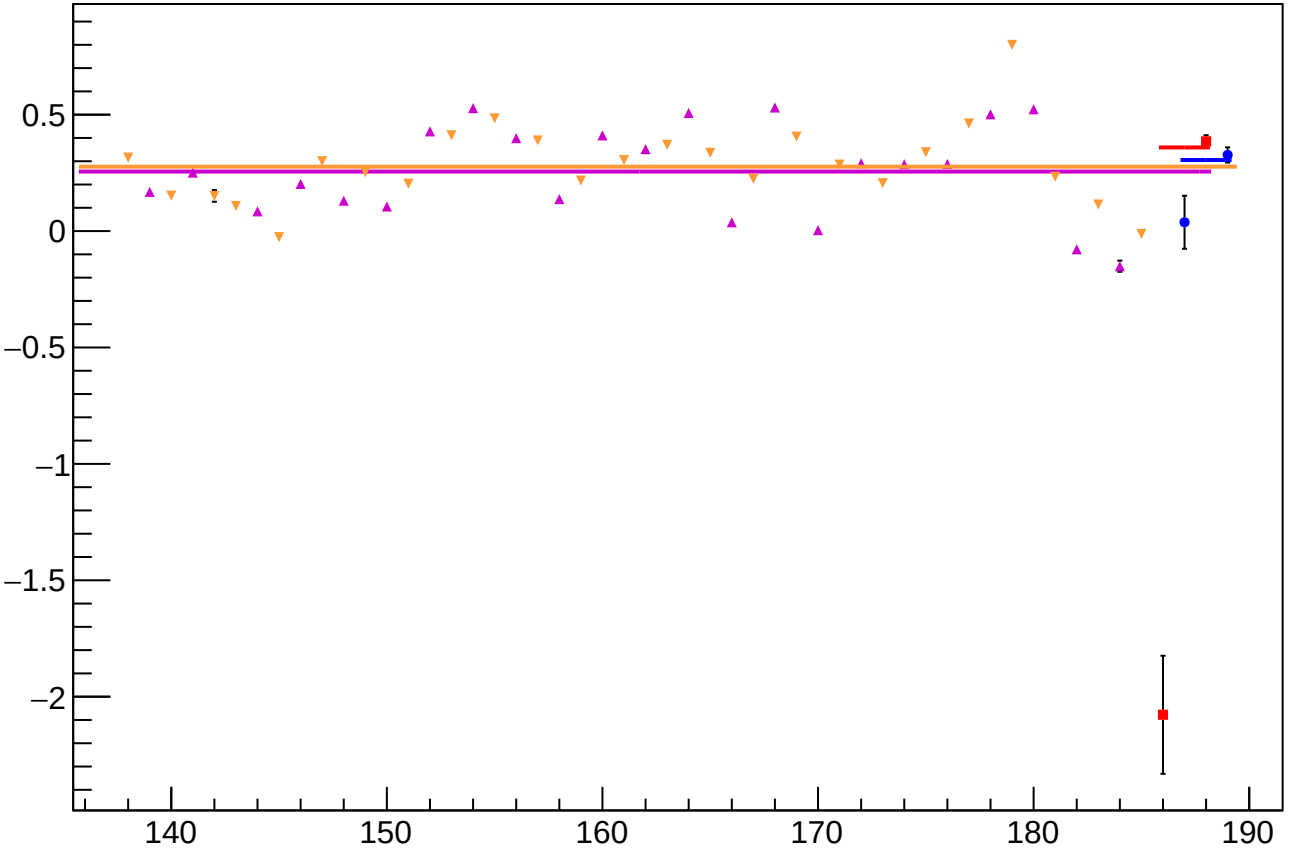
Left In: -53.330+/-0.068 $\chi^2$/NDF:6940.2/22

+ sign -54.051+/-0.066 $\chi^2$/NDF: 8702.2/26

All: -53.684+/-0.047 $\chi^2$/NDF: 15749.9/51

- sign -53.302+/-0.068 $\chi^2$/NDF: 6985.2/24

# reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug




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

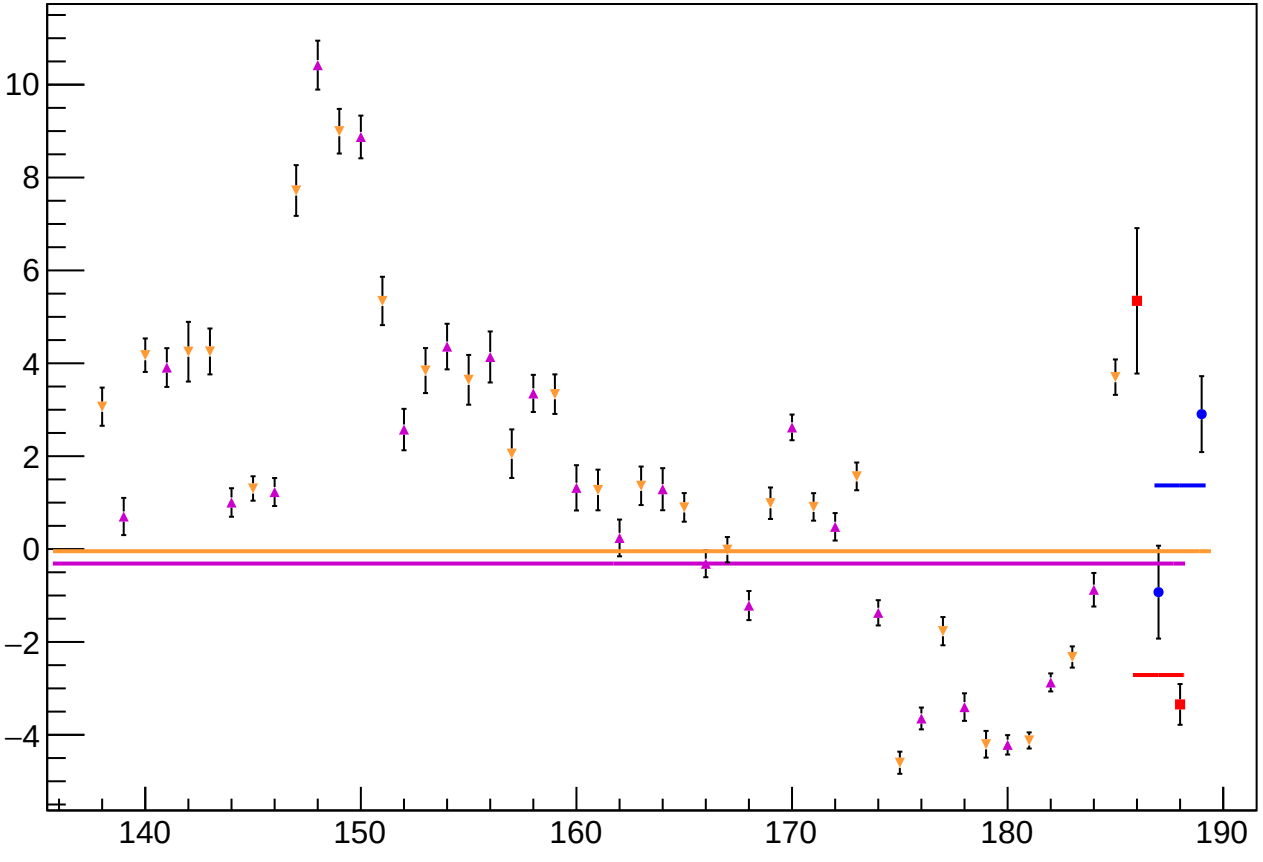
Left In: 0.256+/-0.003 $\chi^2$/NDF:3644.0/22

+ sign 0.277+/-0.003 $\chi^2$/NDF: 2612.8/26

All: 0.267+/-0.002 $\chi^2$/NDF: 6386.9/51

- sign 0.257+/-0.003 $\chi^2$/NDF: 3752.8/24

# reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug




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

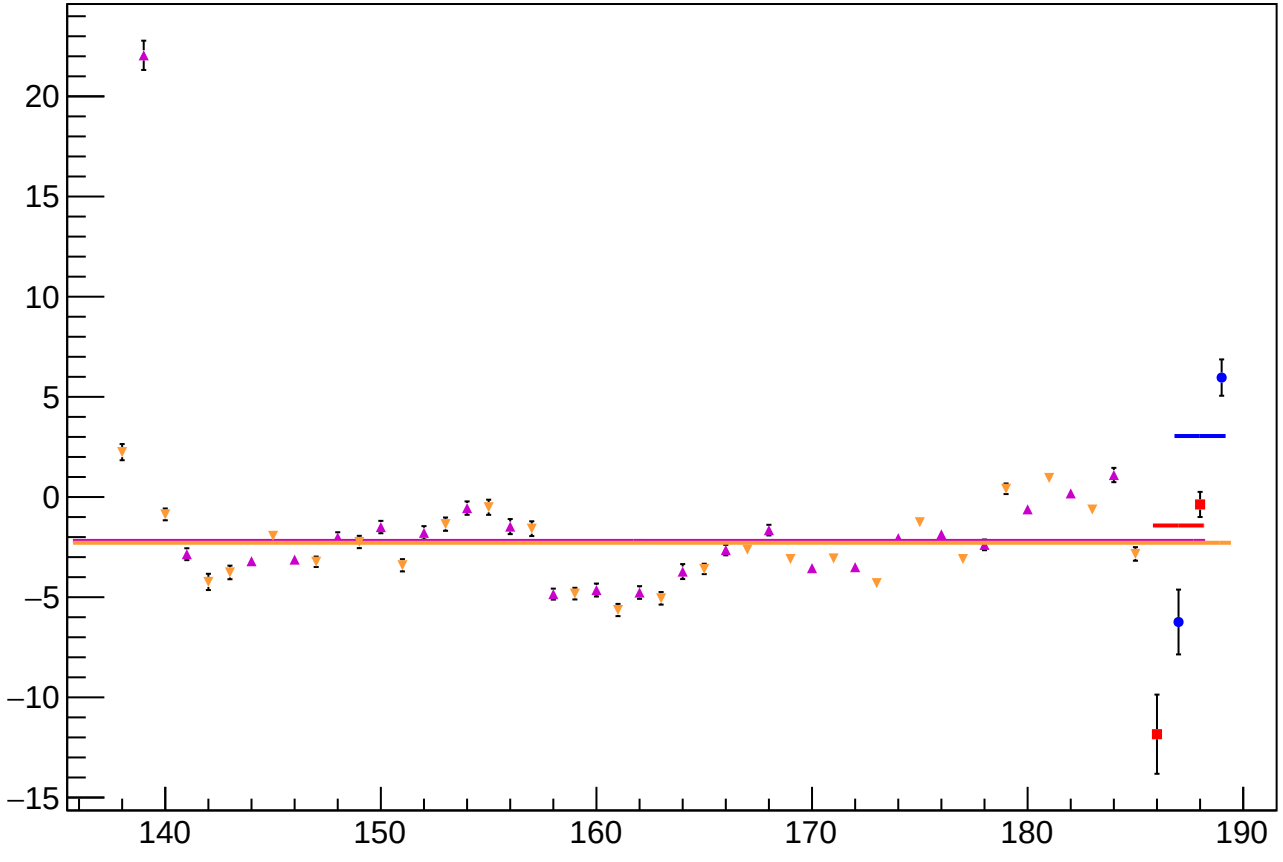
Left In: -0.312+/-0.067 $\chi^2$/NDF:2252.6/22

+ sign -0.030+/-0.066 $\chi^2$/NDF: 2642.6/26

All: -0.199+/-0.047 $\chi^2$/NDF: 4968.6/51

- sign -0.371+/-0.066 $\chi^2$/NDF: 2312.7/24

# reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug




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

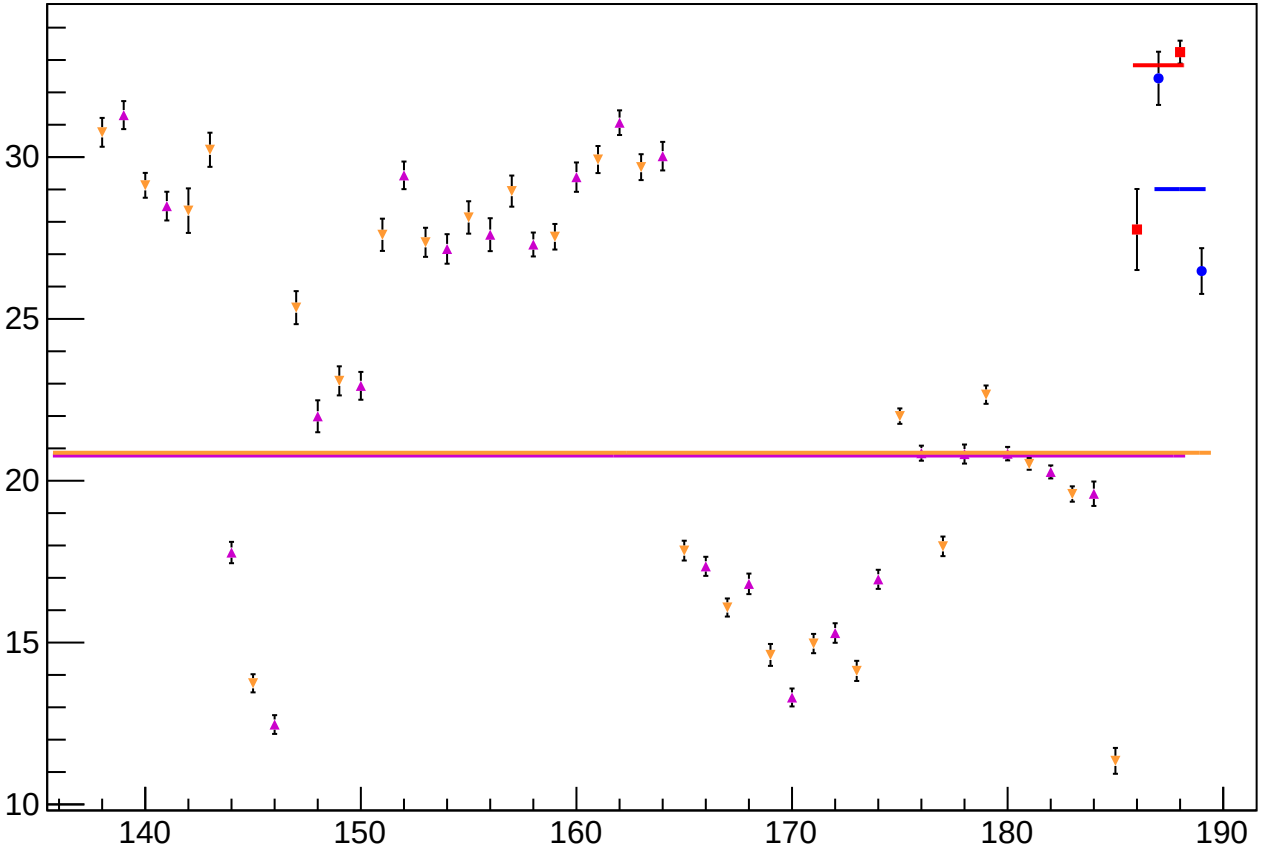
Left In: -2.190+/-0.055 $\chi^2$/NDF:1785.1/22

+ sign -2.258+/-0.054 $\chi^2$/NDF: 1220.5/26

All: -2.221+/-0.038 $\chi^2$/NDF: 3038.8/51

- sign -2.183+/-0.055 $\chi^2$/NDF: 1817.3/24

# reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug




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

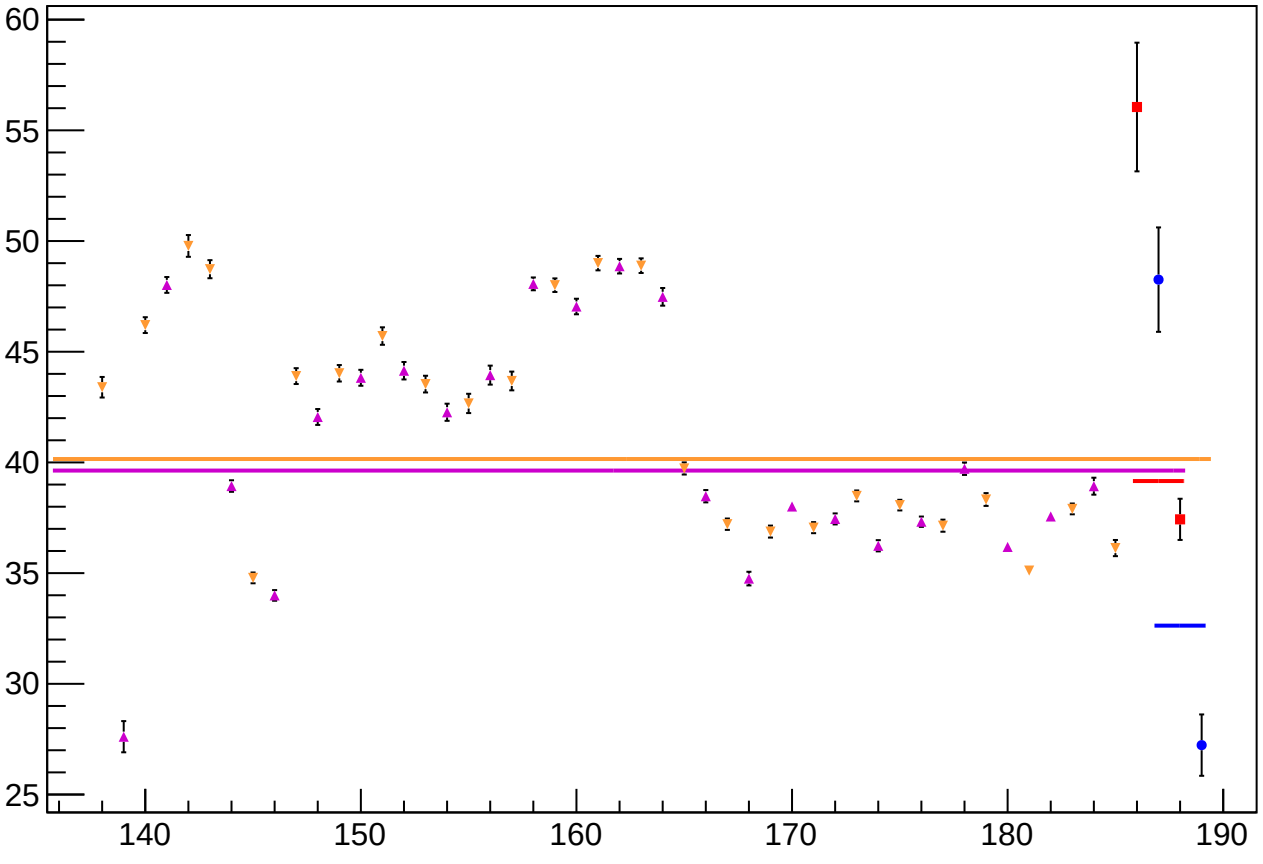
Left In: 20.780+/-0.067 $\chi^2$/NDF:5988.0/22

+ sign 20.989+/-0.066 $\chi^2$/NDF: 6865.9/26

All: 21.111+/-0.047 $\chi^2$/NDF: 14084.7/51

- sign 21.232+/-0.066 $\chi^2$/NDF: 7212.1/24

# reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug




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

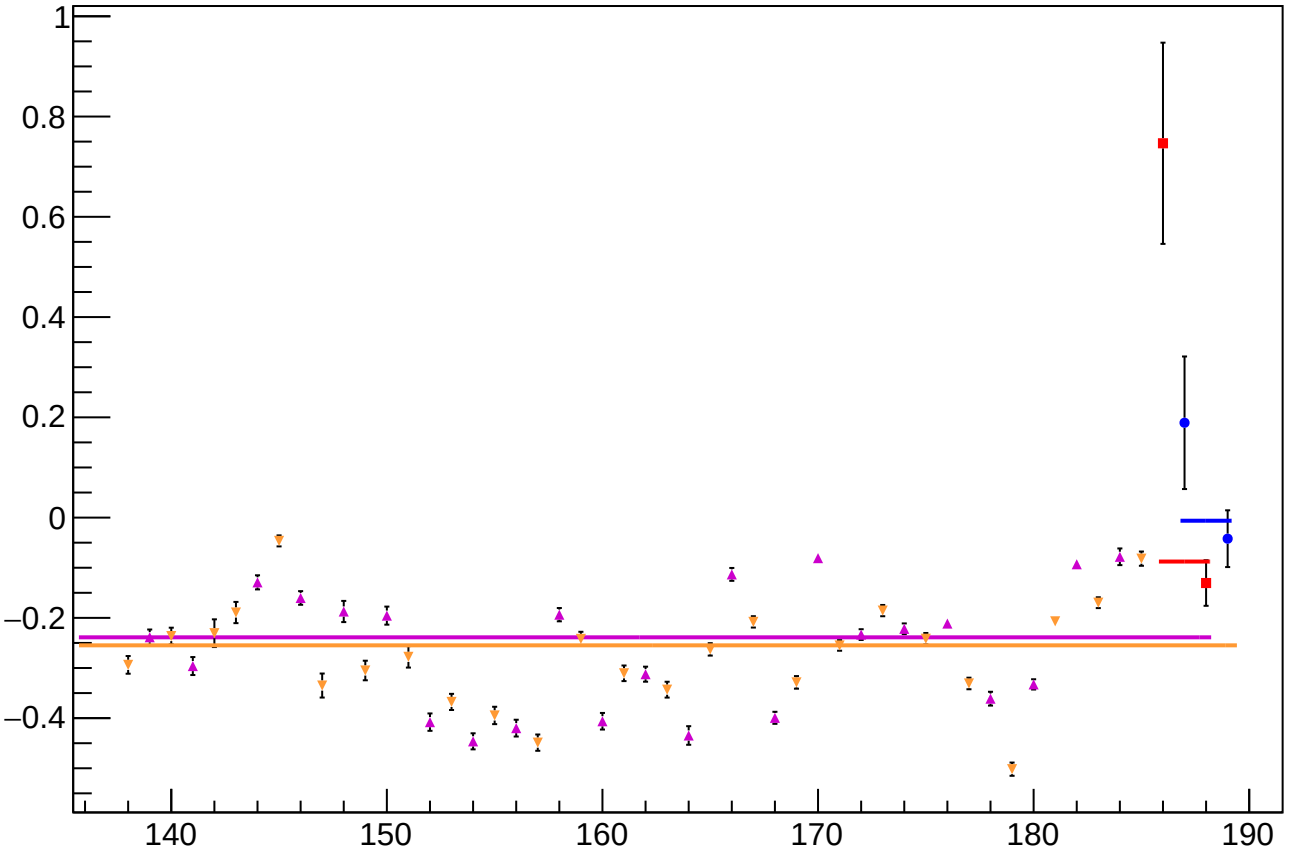
Left In: 39.632+/-0.061 $\chi^2$/NDF:5343.3/22

+ sign 40.135+/-0.060 $\chi^2$/NDF: 5960.3/26

All: 39.885+/-0.043 $\chi^2$/NDF: 11375.6/51

- sign 39.630+/-0.061 $\chi^2$/NDF: 5380.8/24

# reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug




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

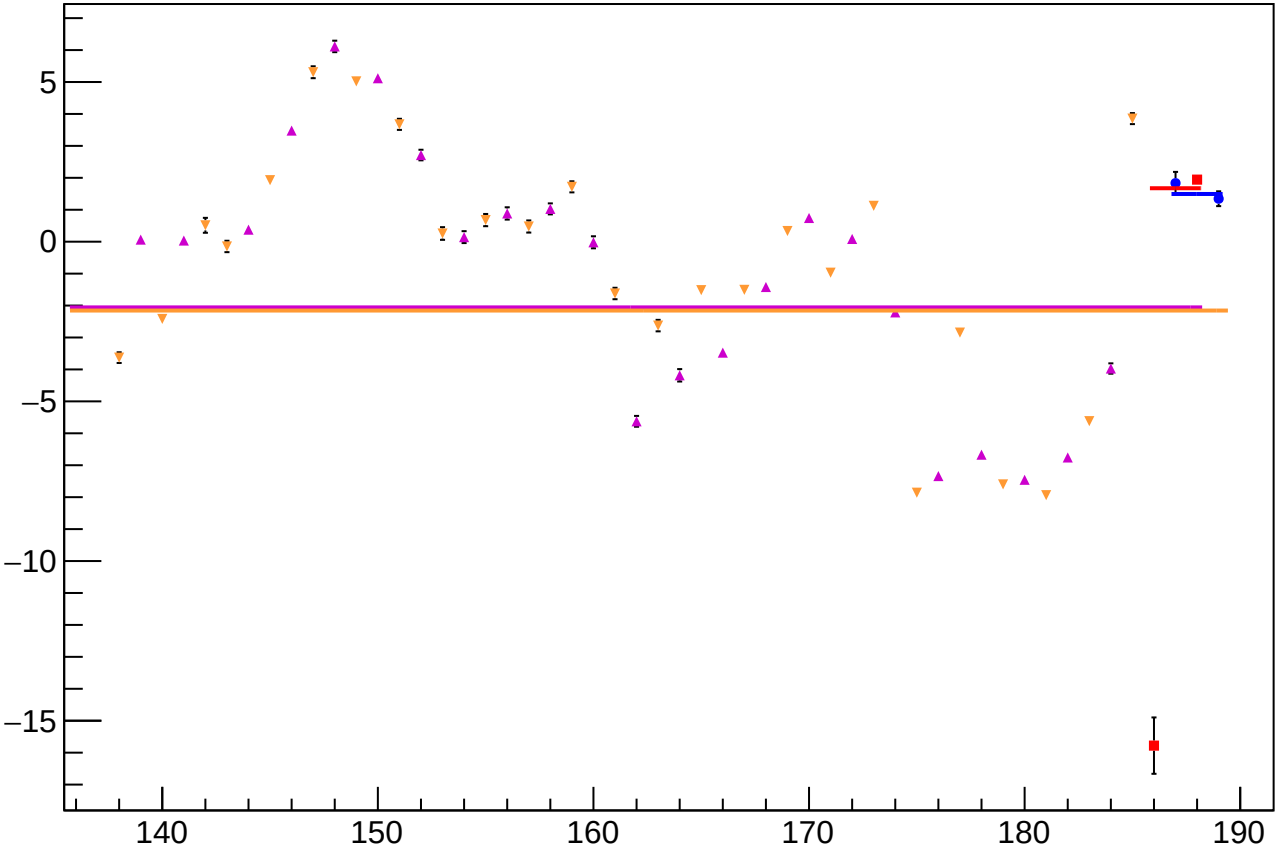
Left In: -0.239+/-0.003 $\chi^2$/NDF:1750.0/22

+ sign -0.254+/-0.003 $\chi^2$/NDF: 1443.0/26

All: -0.246+/-0.002 $\chi^2$/NDF: 3239.4/51

- sign -0.238+/-0.003 $\chi^2$/NDF: 1779.8/24

# reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug




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

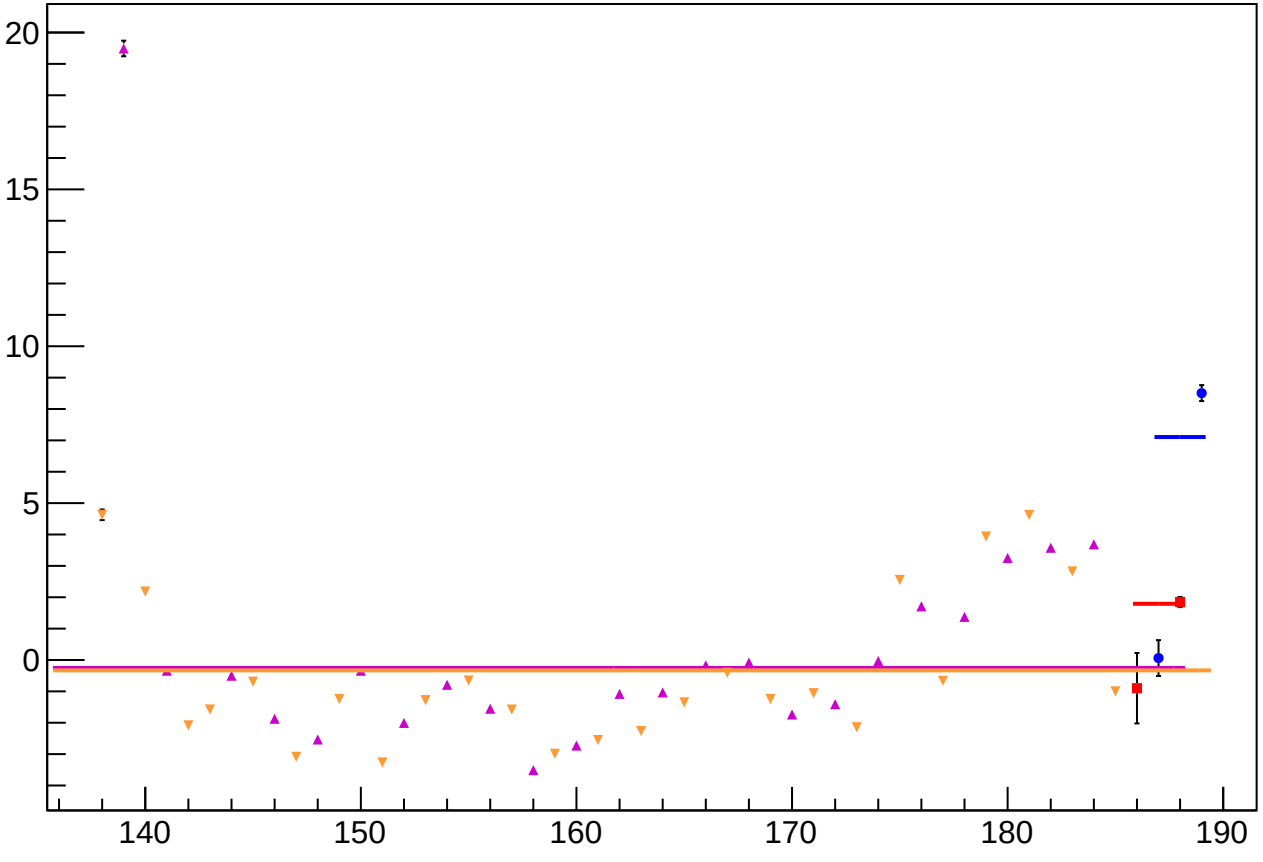
Left In: -2.058+/-0.026 $\chi^2$/NDF:23343.8/22

+ sign -2.093+/-0.025 $\chi^2$/NDF: 24851.5/26

All: -1.974+/-0.018 $\chi^2$/NDF: 49748.3/51

- sign -1.857+/-0.025 $\chi^2$/NDF: 24853.4/24

# reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug




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

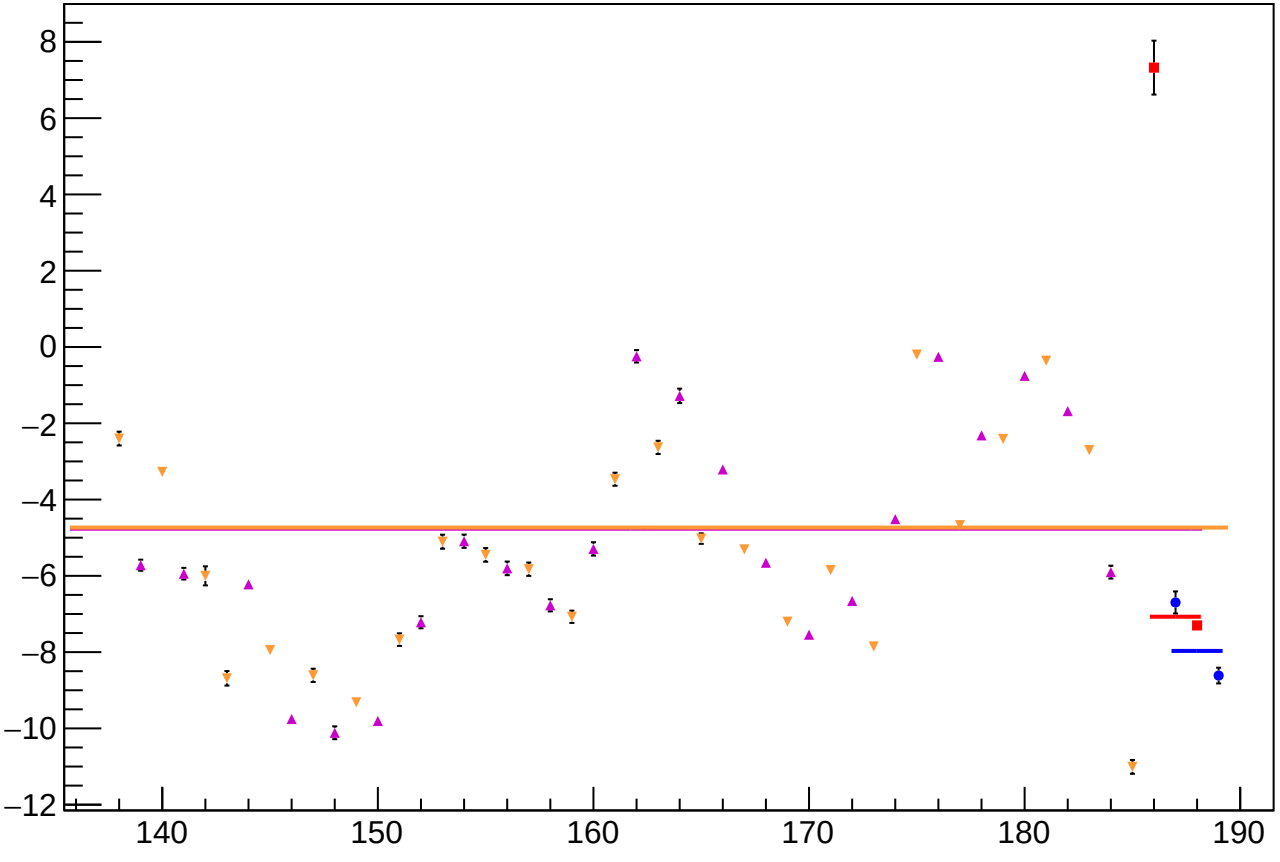
Left In: -0.255+/-0.021 $\chi^2$/NDF:14162.0/22

+ sign -0.273+/-0.021 $\chi^2$/NDF: 13750.9/26

All: -0.247+/-0.015 $\chi^2$/NDF: 28083.3/51

- sign -0.220+/-0.021 $\chi^2$/NDF: 14329.3/24

# reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug




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

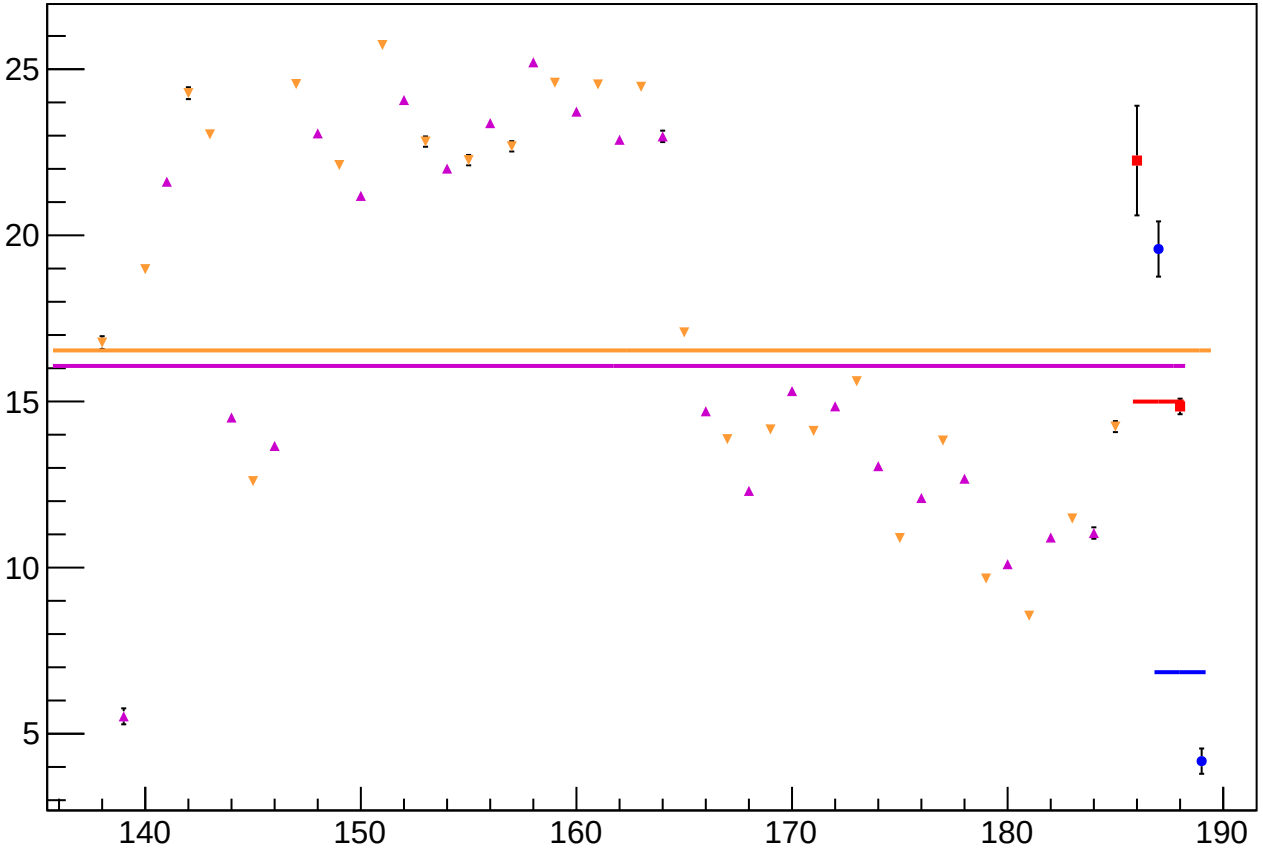
Left In: -4.764+/-0.026 $\chi^2$/NDF:14163.2/22

+ sign -4.809+/-0.026 $\chi^2$/NDF: 13580.0/26

All: -4.881+/-0.018 $\chi^2$/NDF: 28809.9/51

- sign -4.949+/-0.025 $\chi^2$/NDF: 15214.5/24

# reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug




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

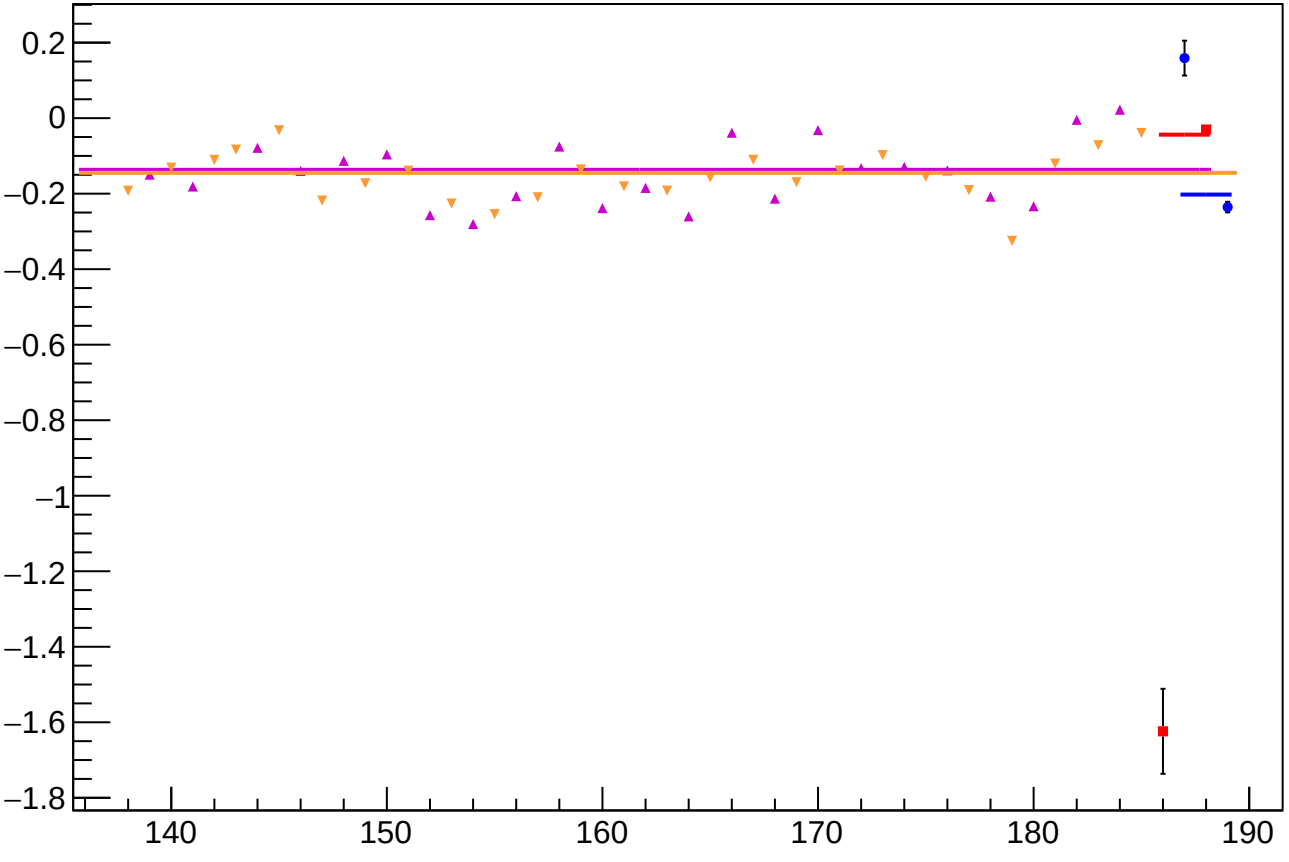
Left In: 16.069+/-0.023 $\chi^2$/NDF:42736.3/22

+ sign 16.493+/-0.023 $\chi^2$/NDF: 54609.0/26

All: 16.278+/-0.016 $\chi^2$/NDF: 97561.2/51

- sign 16.058+/-0.023 $\chi^2$/NDF: 42777.3/24

# reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug




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

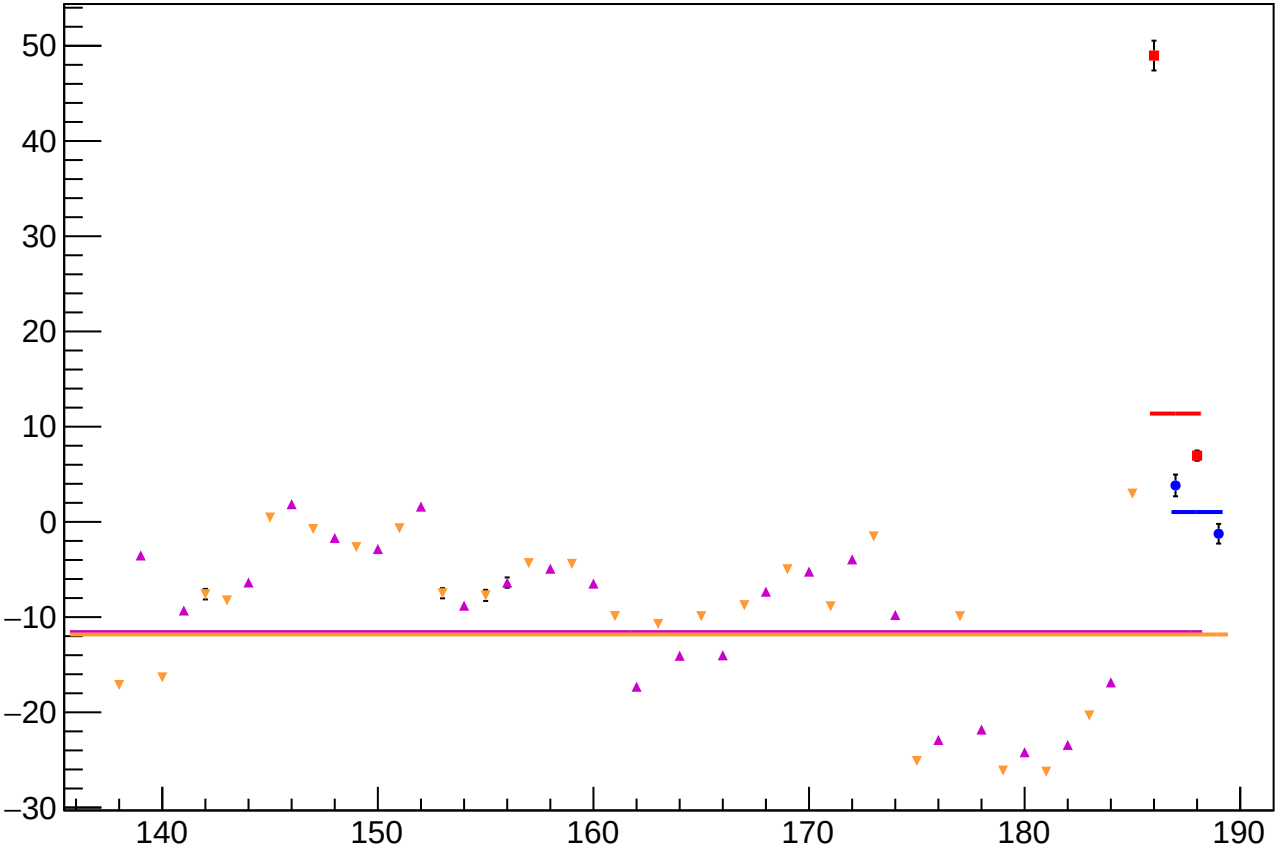
Left In: -0.137+/-0.001 $\chi^2$/NDF:5383.4/22

+ sign -0.145+/-0.001 $\chi^2$/NDF: 3840.4/26

All: -0.141+/-0.001 $\chi^2$/NDF: 9541.8/51

- sign -0.136+/-0.001 $\chi^2$/NDF: 5662.2/24

# reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug




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

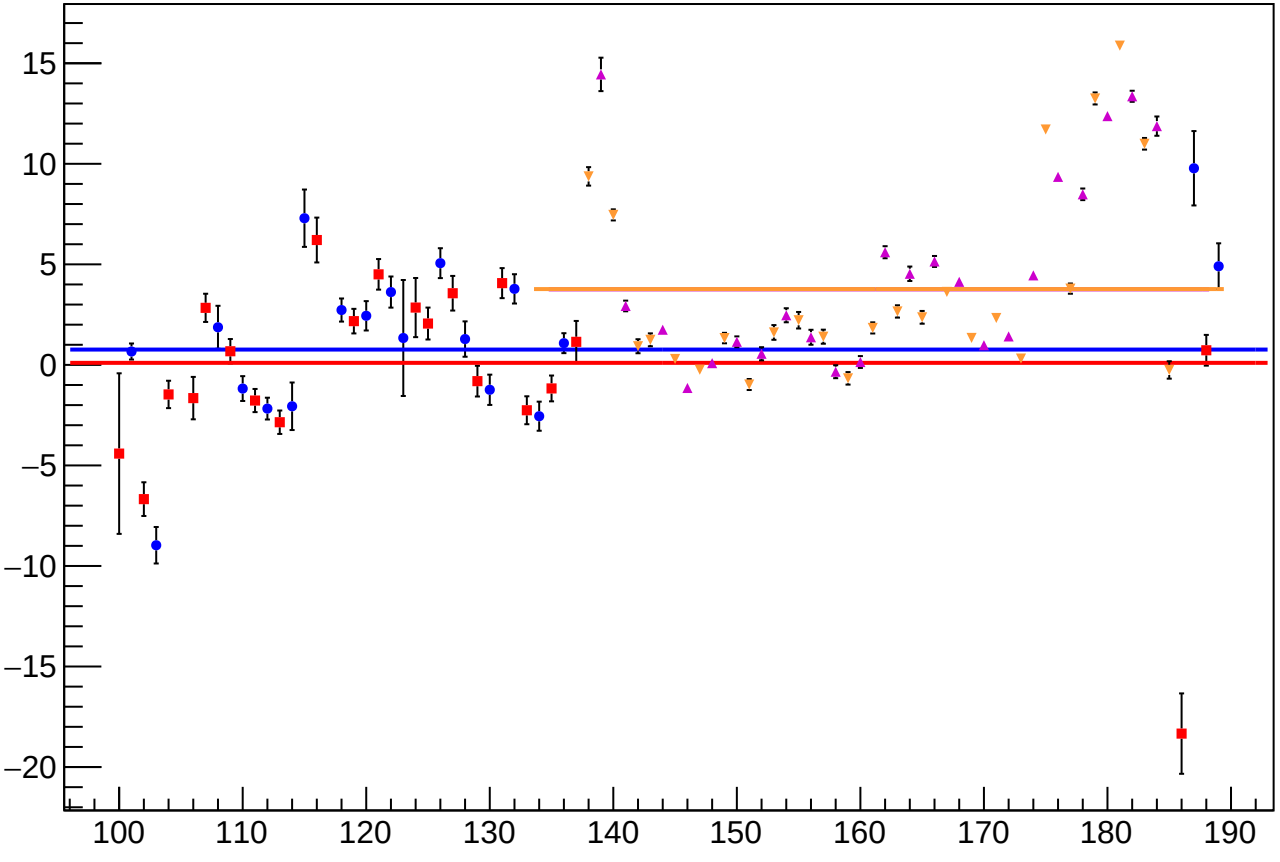
Left In: -11.580+/-0.071 $\chi^2$/NDF:14243.6/22

+ sign -11.715+/-0.070 $\chi^2$/NDF: 17567.3/26

All: -11.428+/-0.050 $\chi^2$/NDF: 34492.9/51

- sign -11.138+/-0.071 $\chi^2$/NDF: 16891.8/24

# reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug




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

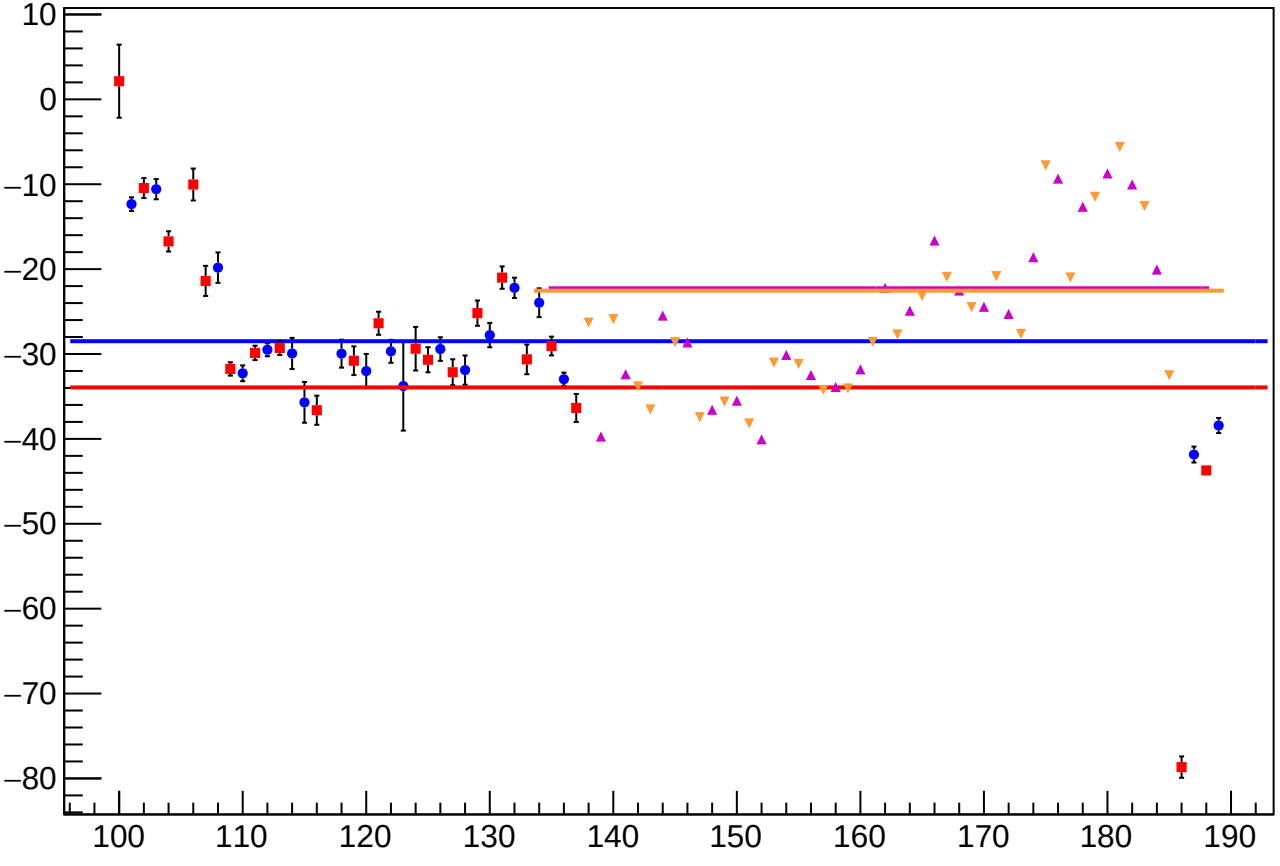
Left In: 3.755+/-0.056 $\chi^2$/NDF:5655.2/22

+ sign 3.468+/-0.053 $\chi^2$/NDF: 8043.2/43

All: 3.430+/-0.038 $\chi^2$/NDF: 14476.7/87

- sign 3.391+/-0.054 $\chi^2$/NDF: 6432.5/43

# reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug




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

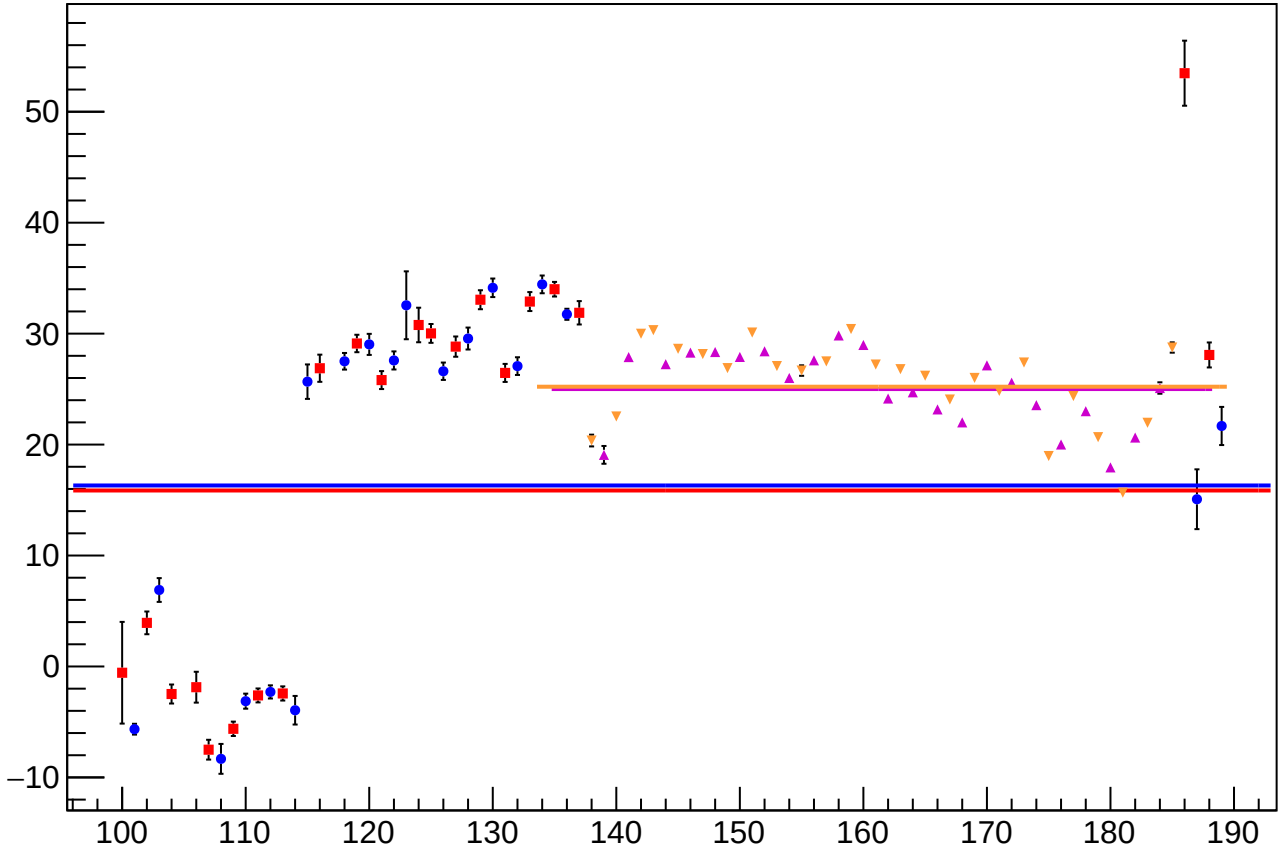
Left In: -22.258+/-0.071 $\chi^2$/NDF:17838.4/22

+ sign -22.918+/-0.069 $\chi^2$/NDF: 21288.9/43

All: -23.059+/-0.048 $\chi^2$/NDF: 44224.1/87

- sign -23.200+/-0.068 $\chi^2$/NDF: 22926.8/43

# reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug




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

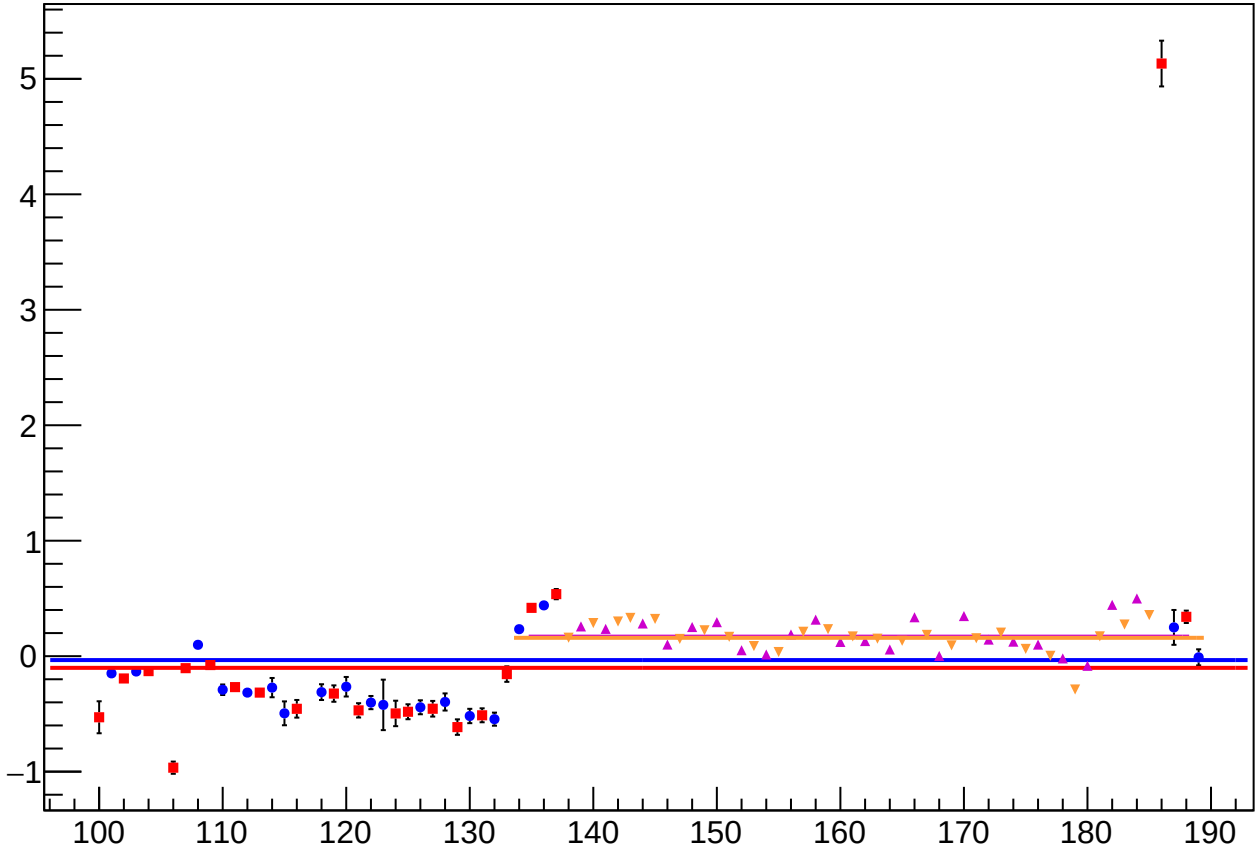
Left In: 25.005+/-0.064 $\chi^2$/NDF:2733.7/22

+ sign 24.336+/-0.060 $\chi^2$/NDF: 13350.9/43

All: 24.227+/-0.042 $\chi^2$/NDF: 25674.1/87

- sign 24.114+/-0.060 $\chi^2$/NDF: 12316.4/43

# reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug




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

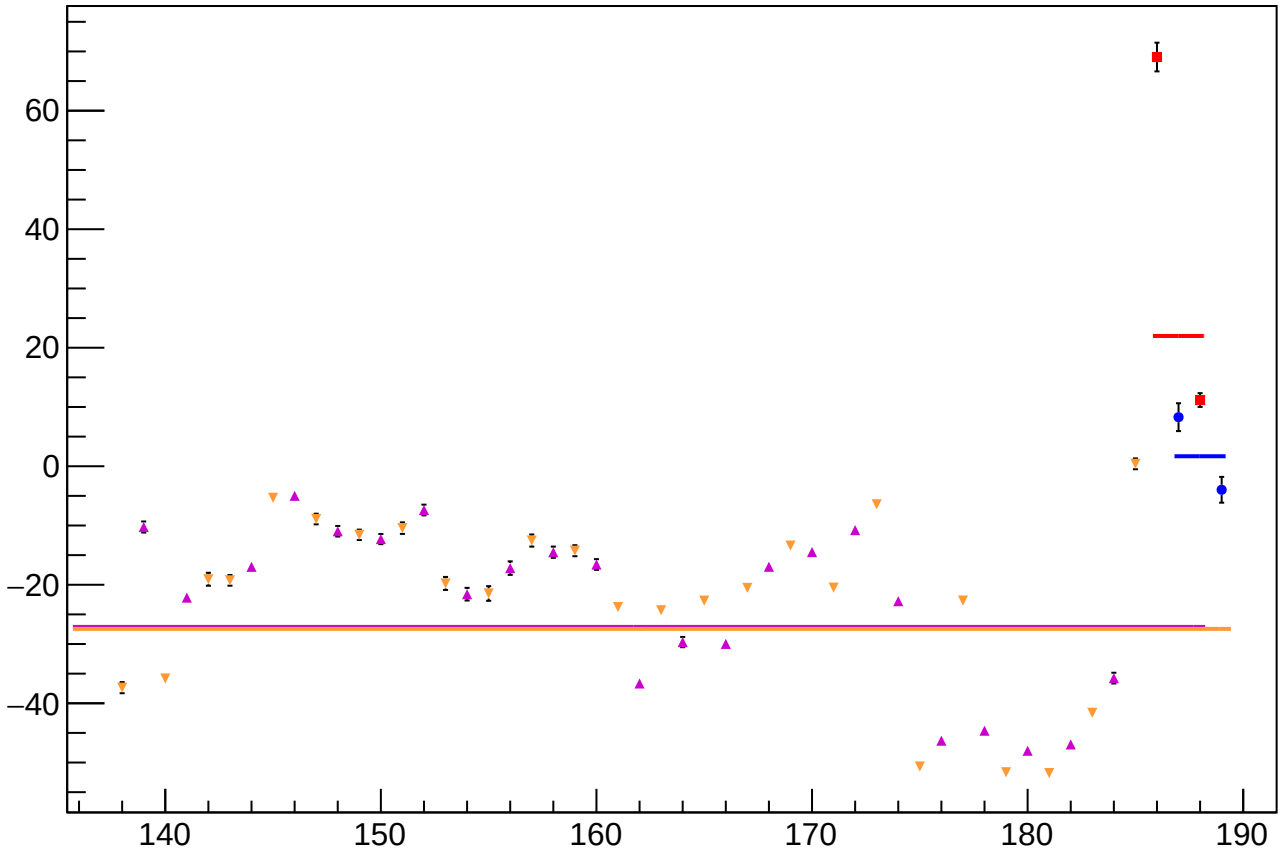
Left In: 0.169+/-0.003 $\chi^2$/NDF:2430.7/22

+ sign 0.145+/-0.003 $\chi^2$/NDF: 3207.4/43

All: 0.147+/-0.002 $\chi^2$/NDF: 8239.6/87

- sign 0.149+/-0.003 $\chi^2$/NDF: 5031.2/43

# reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug




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

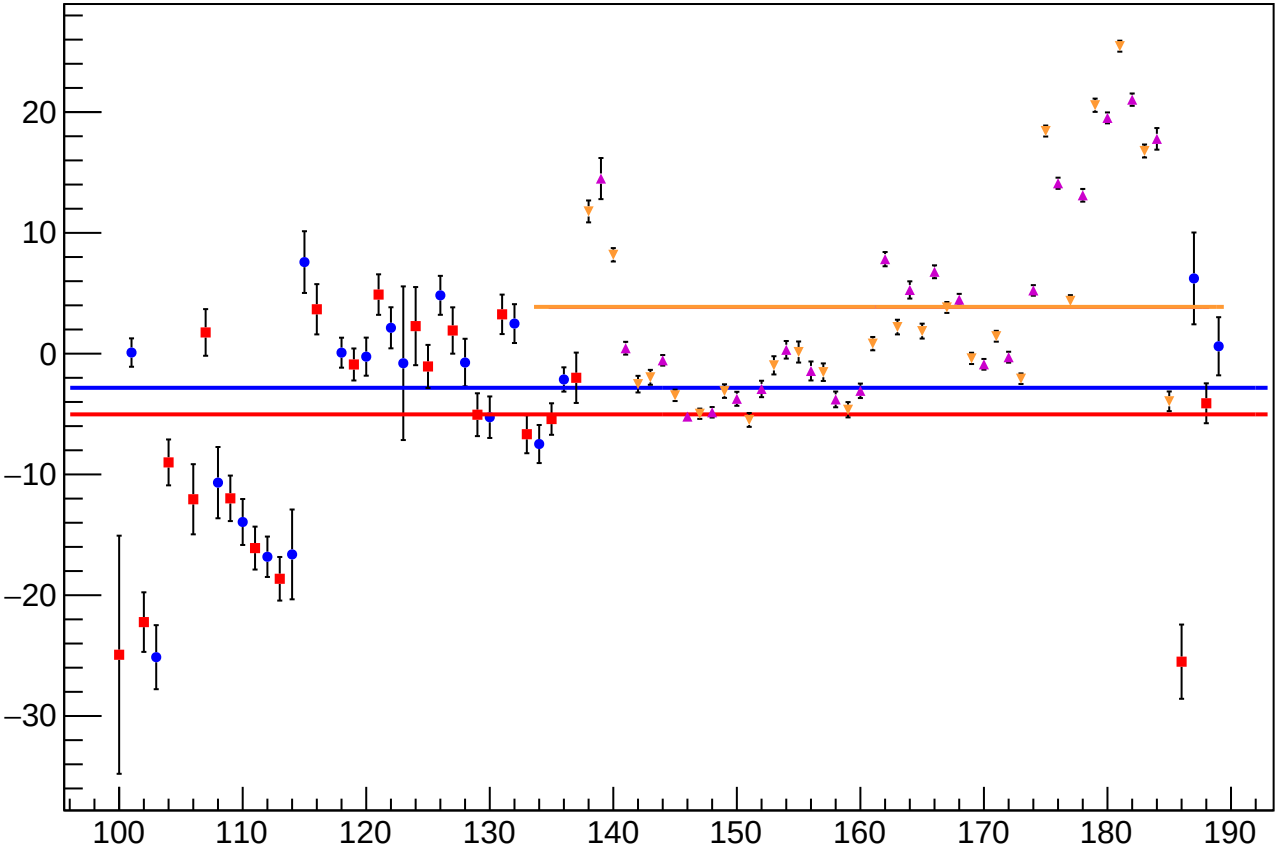
Left In: -27.114+/-0.139 $\chi^2$/NDF:11443.8/22

+ sign -27.234+/-0.137 $\chi^2$/NDF: 15165.4/26

All: -26.754+/-0.097 $\chi^2$/NDF: 29259.8/51

- sign -26.267+/-0.138 $\chi^2$/NDF: 14069.5/24

# reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug




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

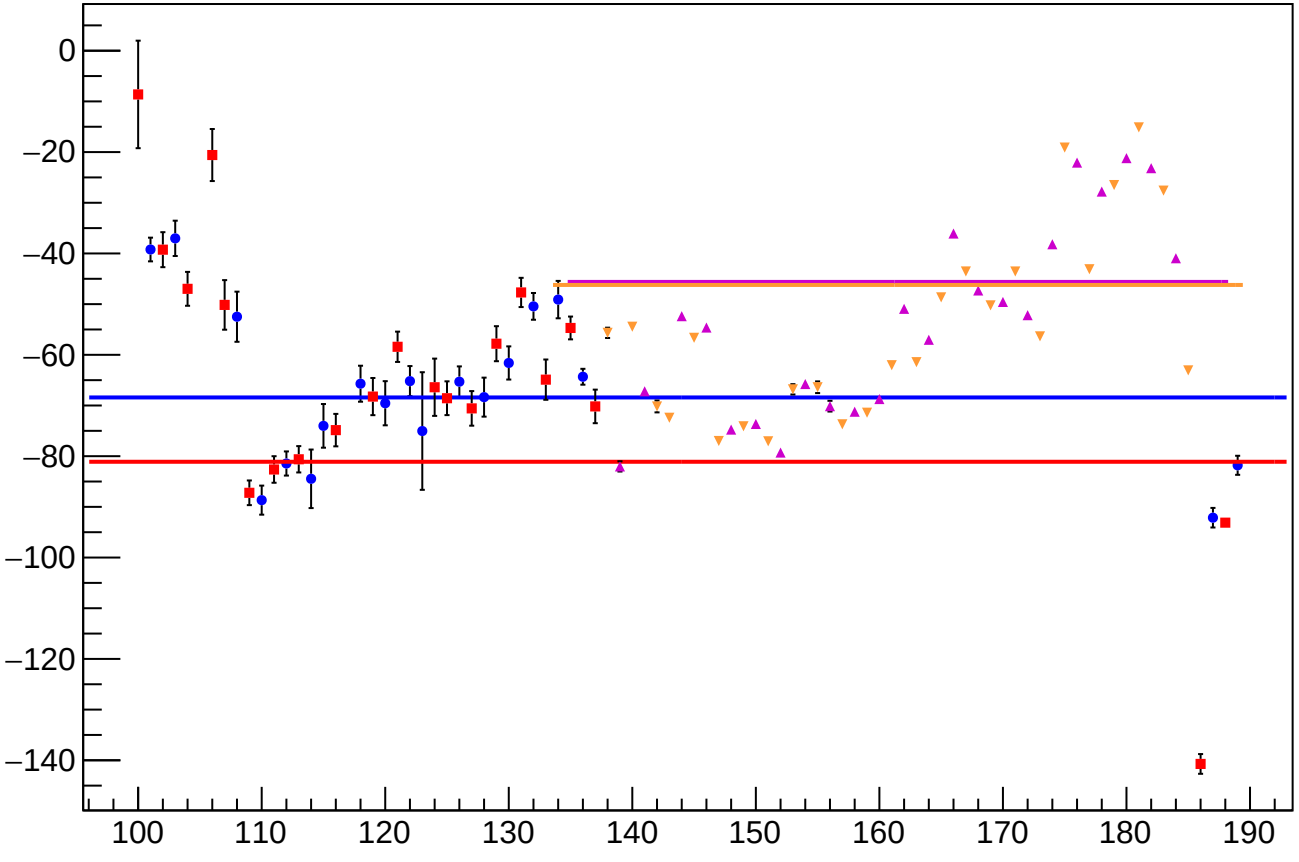
Left In: 3.861+/-0.111 $\chi^2$/NDF:5438.4/22

+ sign 3.405+/-0.106 $\chi^2$/NDF: 7456.3/43

All: 3.331+/-0.075 $\chi^2$/NDF: 13678.4/87

- sign 3.254+/-0.107 $\chi^2$/NDF: 6221.1/43

# reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug




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

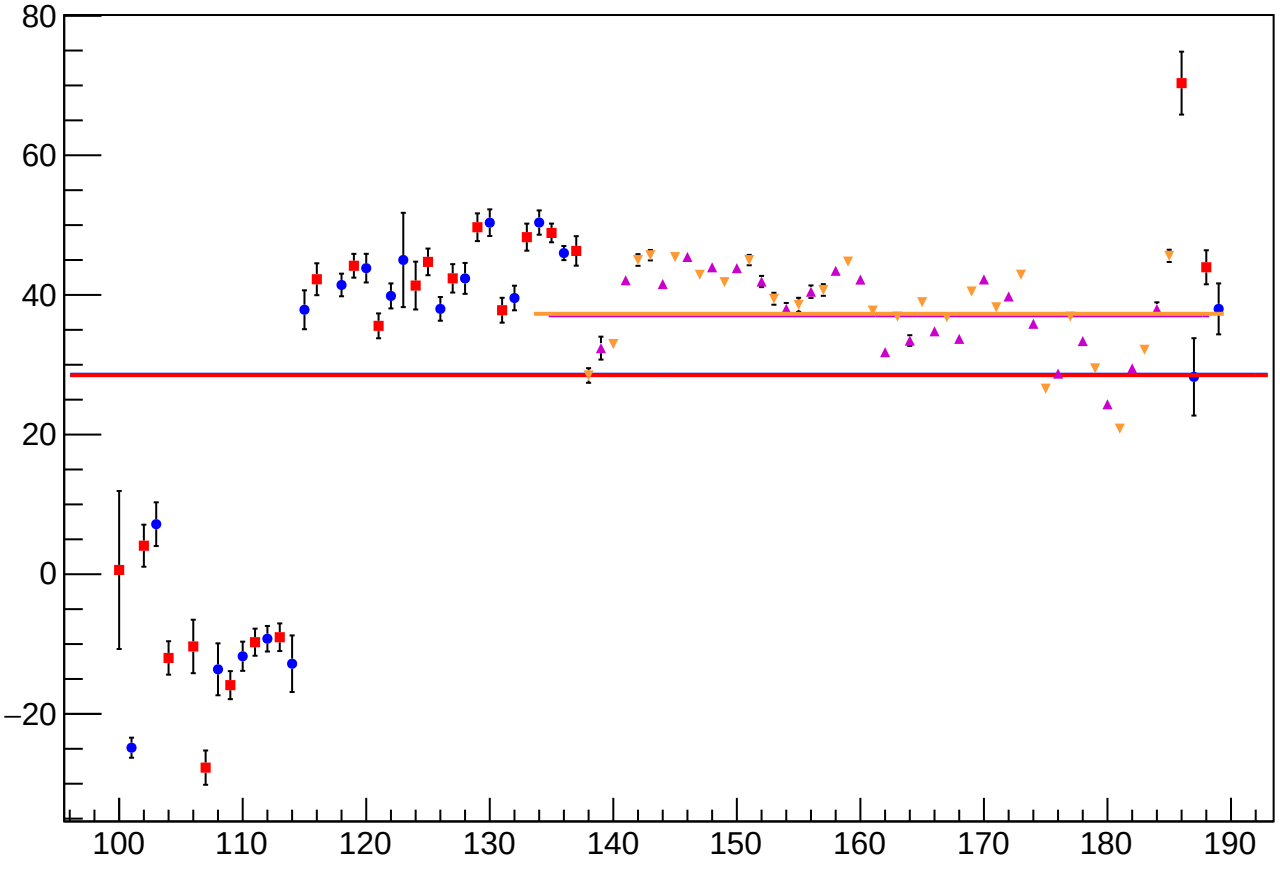
Left In: -45.616+/-0.139 $\chi^2$/NDF:17743.8/22

+ sign -47.180+/-0.135 $\chi^2$/NDF: 21732.5/43

All: -47.426+/-0.096 $\chi^2$/NDF: 45283.6/87

- sign -47.671+/-0.135 $\chi^2$/NDF: 23544.5/43

# reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug




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

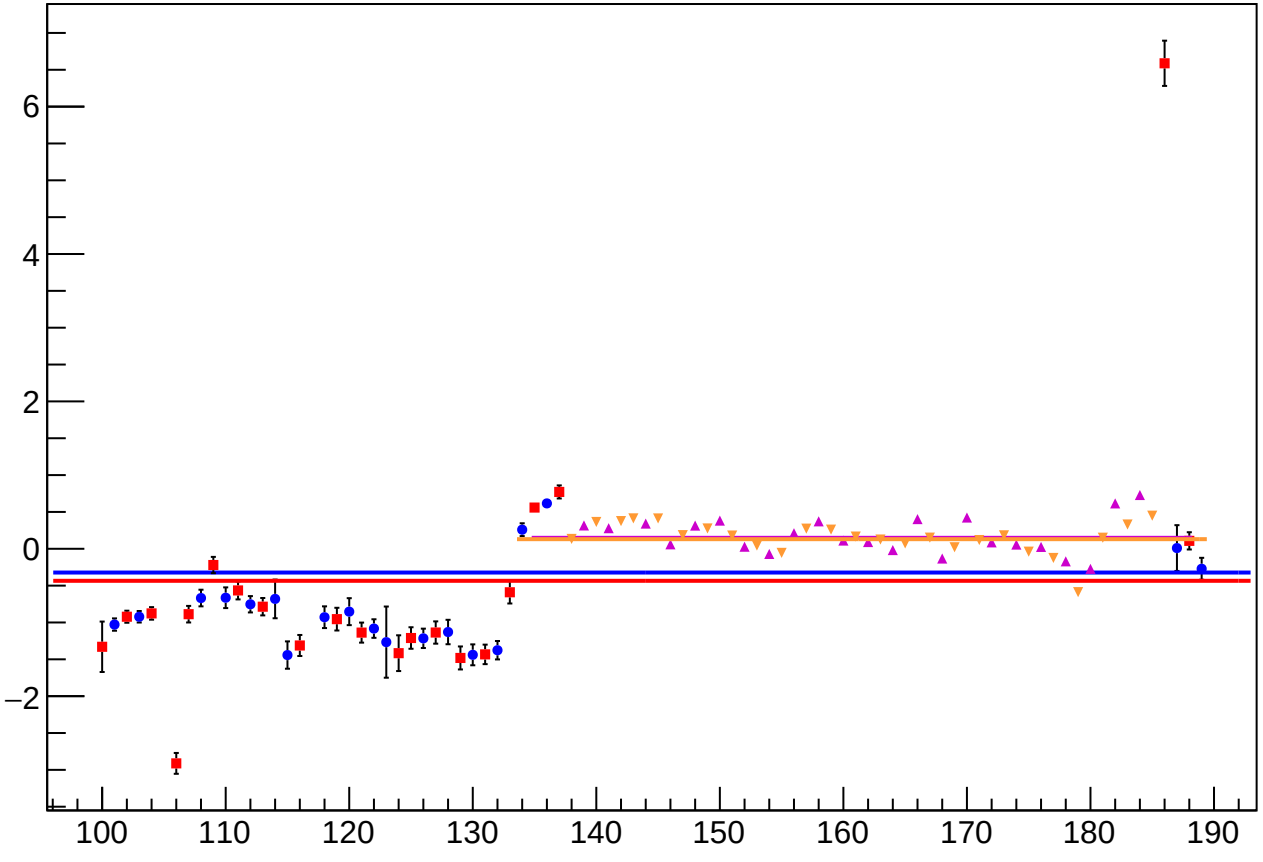
Left In: 37.079+/-0.125 $\chi^2$/NDF:2405.4/22

+ sign 36.695+/-0.119 $\chi^2$/NDF: 6797.1/43

All: 36.604+/-0.085 $\chi^2$/NDF: 12682.2/87

- sign 36.509+/-0.120 $\chi^2$/NDF: 5883.9/43

# reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug




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

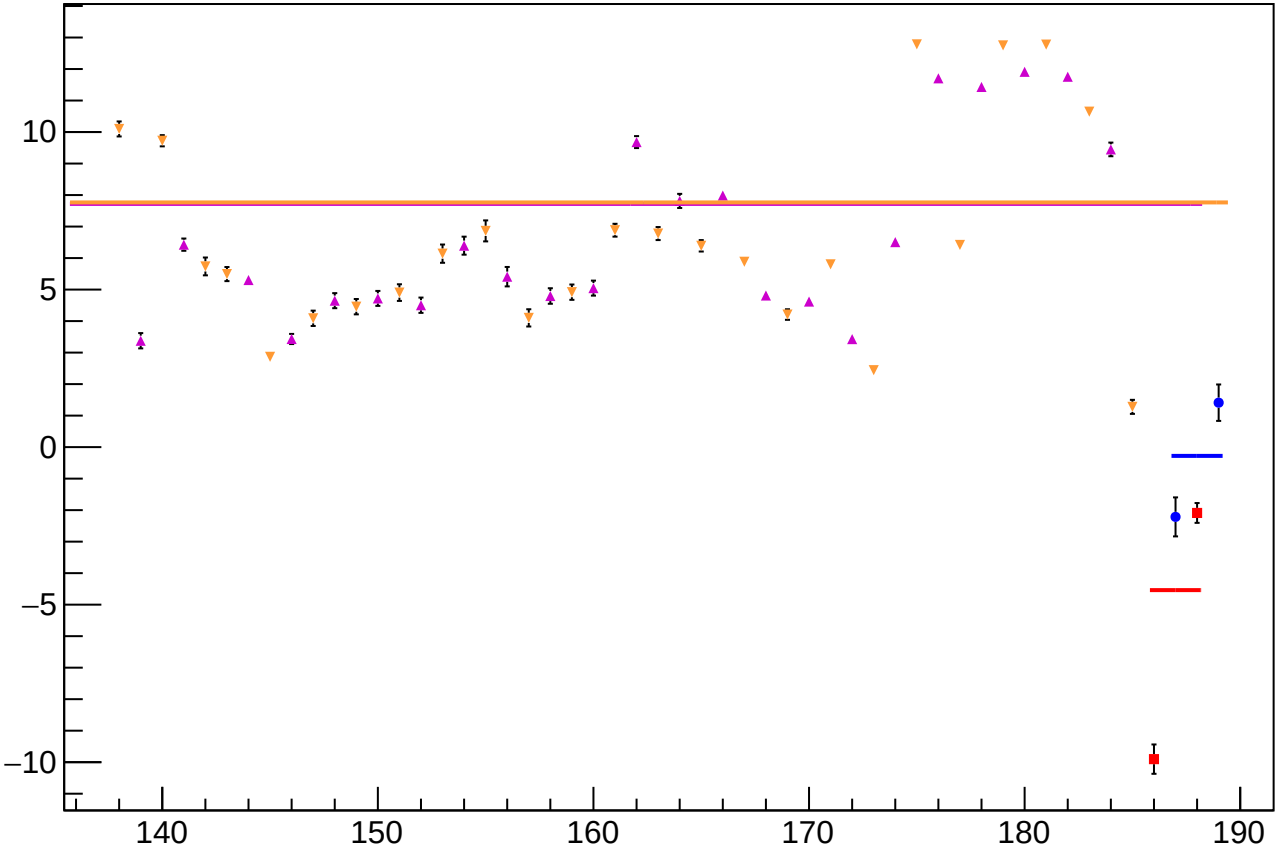
Left In: 0.149+/-0.006 $\chi^2$/NDF:1813.7/22

+ sign 0.108+/-0.005 $\chi^2$/NDF: 2758.8/43

All: 0.114+/-0.004 $\chi^2$/NDF: 6814.3/87

- sign 0.120+/-0.006 $\chi^2$/NDF: 4053.0/43

# reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug




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

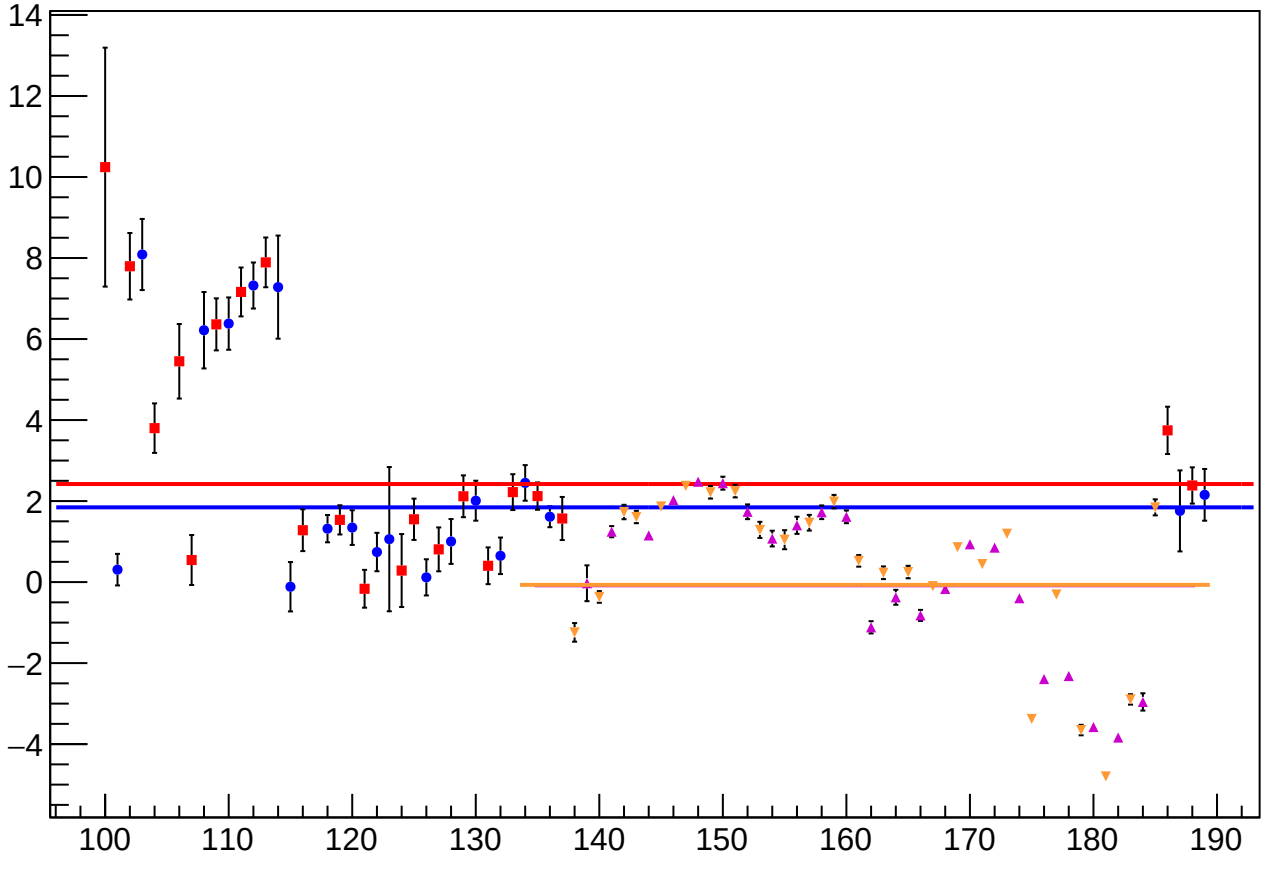
Left In: 7.719+/-0.035 $\chi^2$/NDF:8490.5/22

+ sign 7.713+/-0.034 $\chi^2$/NDF: 12082.3/26

All: 7.609+/-0.024 $\chi^2$/NDF: 22957.0/51

- sign 7.504+/-0.035 $\chi^2$/NDF: 10856.2/24

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug




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

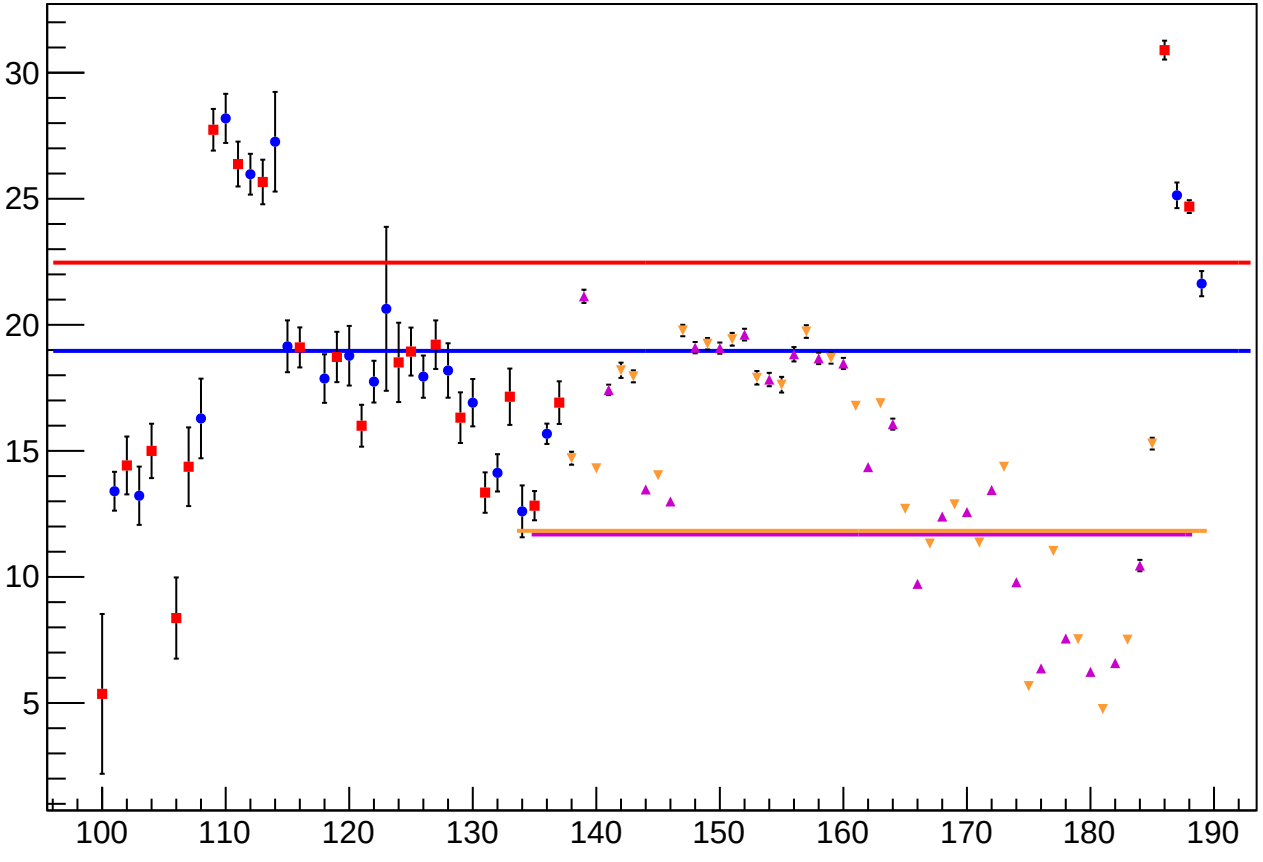
Left In: -0.079+/-0.028 $\chi^2$/NDF:4989.1/22

+ sign 0.040+/-0.027 $\chi^2$/NDF: 6597.0/43

All: 0.050+/-0.019 $\chi^2$/NDF: 12367.2/87

- sign 0.060+/-0.027 $\chi^2$/NDF: 5769.9/43

# reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug




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

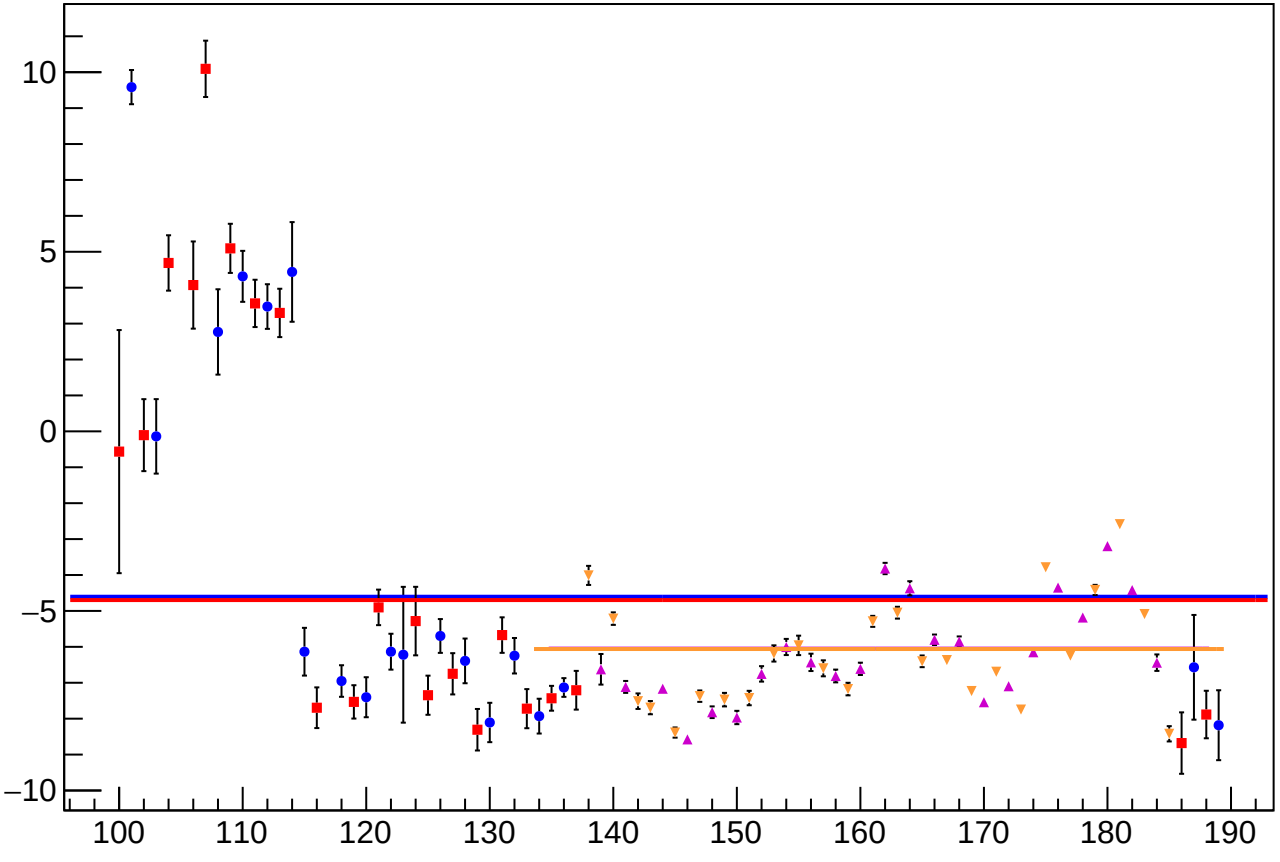
Left In: 11.683+/-0.035 $\chi^2$/NDF:16927.3/22

+ sign 12.080+/-0.034 $\chi^2$/NDF: 21111.2/43

All: 12.155+/-0.024 $\chi^2$/NDF: 44374.0/87

- sign 12.231+/-0.034 $\chi^2$/NDF: 23253.1/43

# reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug




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

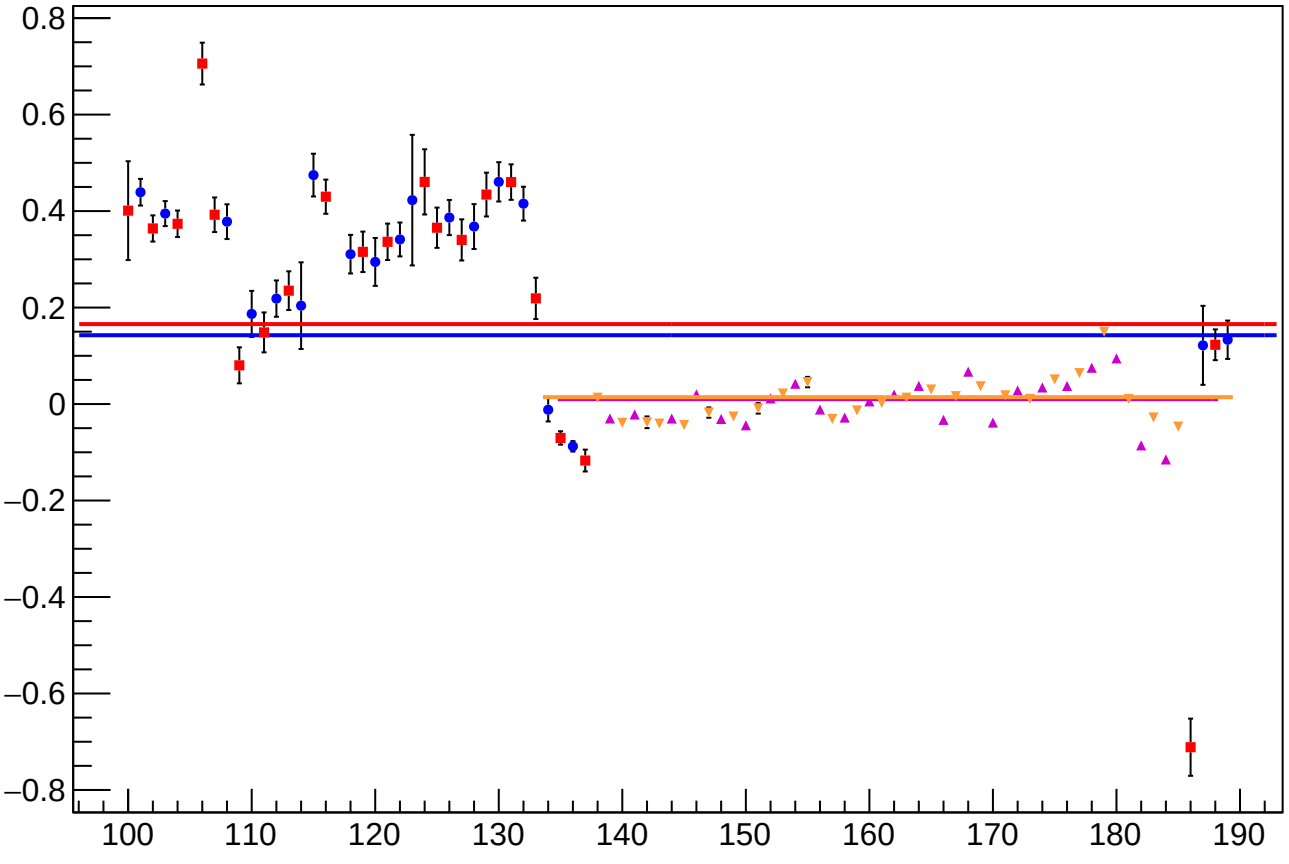
Left In: -6.050+/-0.032 $\chi^2$/NDF:2303.3/22

+ sign -5.979+/-0.030 $\chi^2$/NDF: 4377.5/43

All: -5.978+/-0.022 $\chi^2$/NDF: 8166.1/87

- sign -5.977+/-0.031 $\chi^2$/NDF: 3788.6/43

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug




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

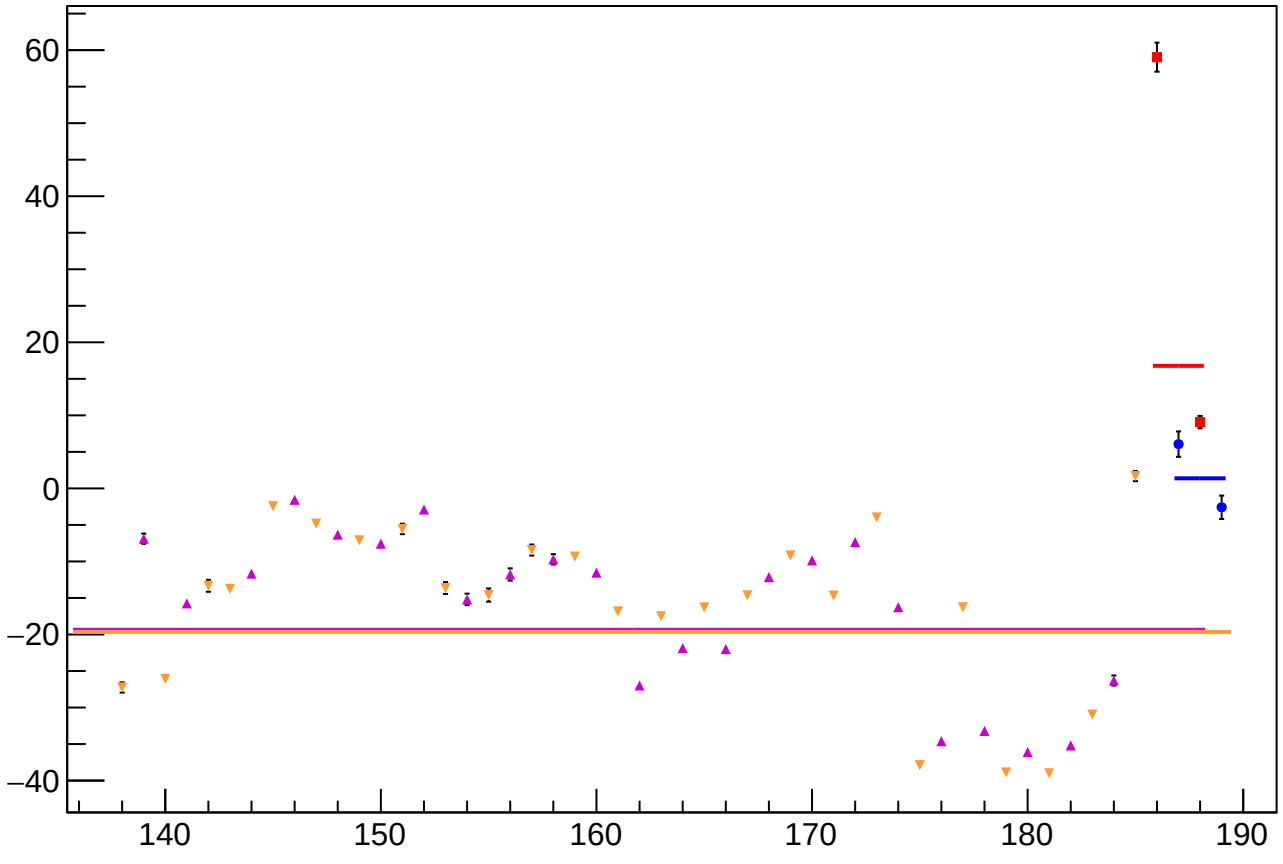
Left In: 0.010+/-0.001 $\chi^2$/NDF:1224.5/22

+ sign 0.020+/-0.001 $\chi^2$/NDF: 2341.9/43

All: 0.018+/-0.001 $\chi^2$/NDF: 5257.9/87

- sign 0.016+/-0.001 $\chi^2$/NDF: 2913.3/43

# reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug




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

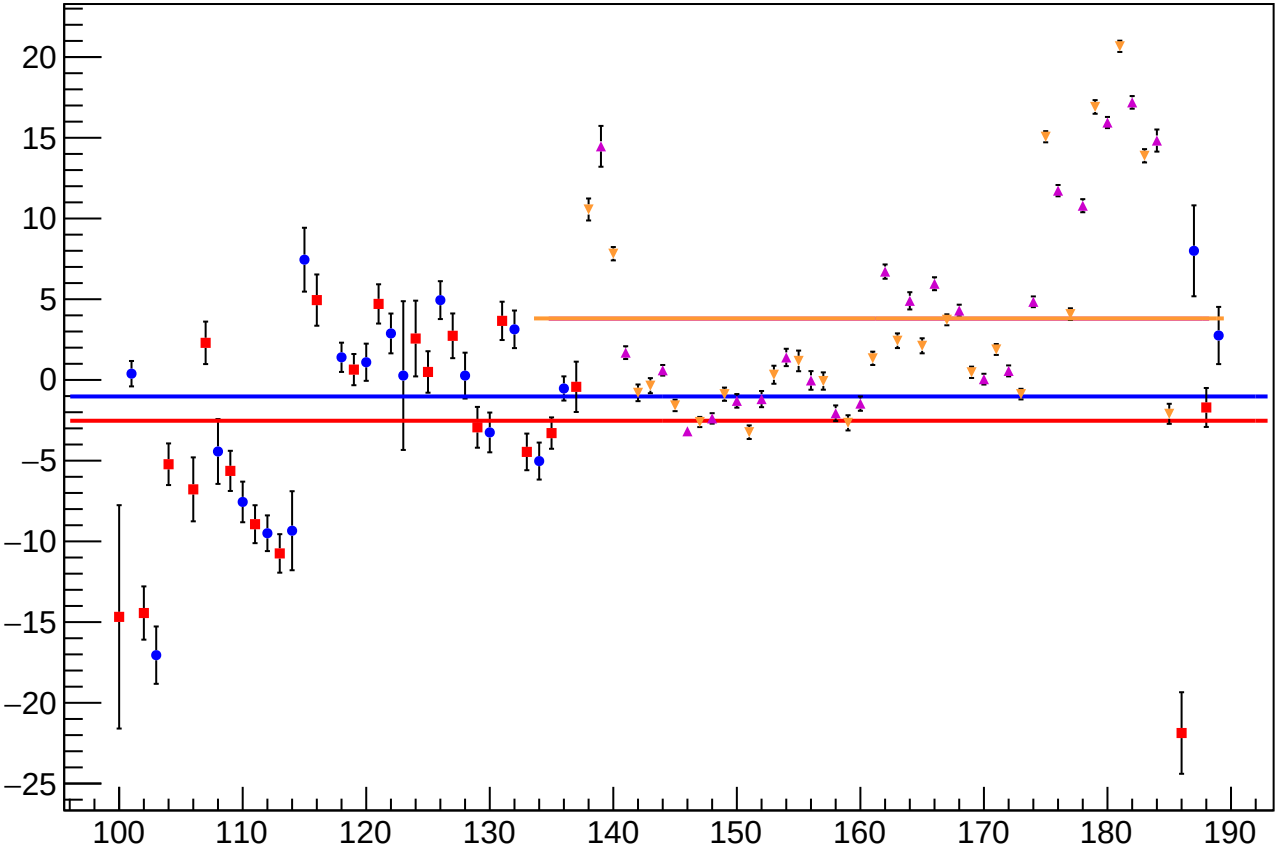
Left In: -19.355+/-0.105 $\chi^2$/NDF:12417.1/22

+ sign -19.482+/-0.103 $\chi^2$/NDF: 16059.2/26

All: -19.102+/-0.073 $\chi^2$/NDF: 31148.0/51

- sign -18.717+/-0.104 $\chi^2$/NDF: 15061.4/24

# reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug




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

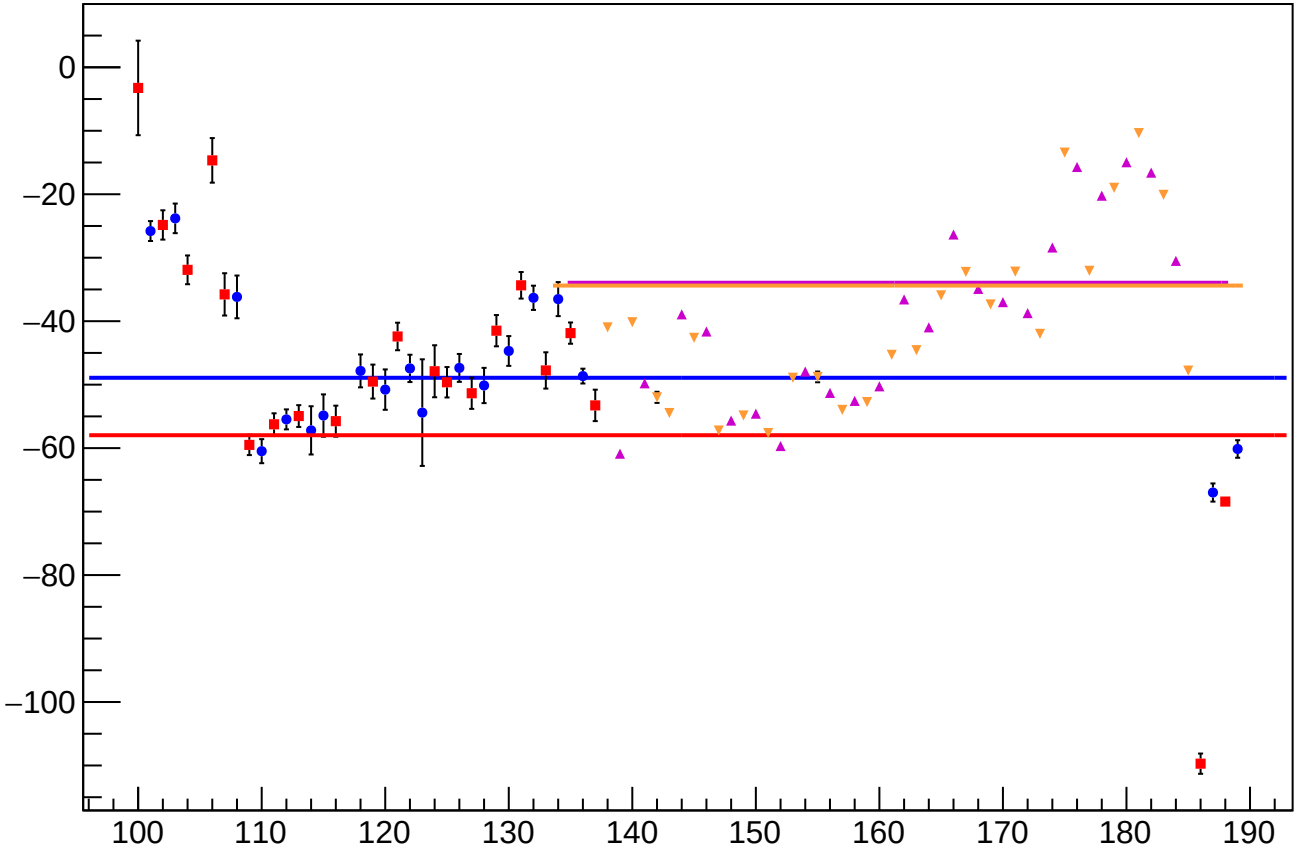
Left In: 3.795+/-0.083 $\chi^2$/NDF:5534.4/22

+ sign 3.438+/-0.079 $\chi^2$/NDF: 7678.2/43

All: 3.379+/-0.056 $\chi^2$/NDF: 13994.9/87

- sign 3.317+/-0.080 $\chi^2$/NDF: 6315.5/43

# reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug




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

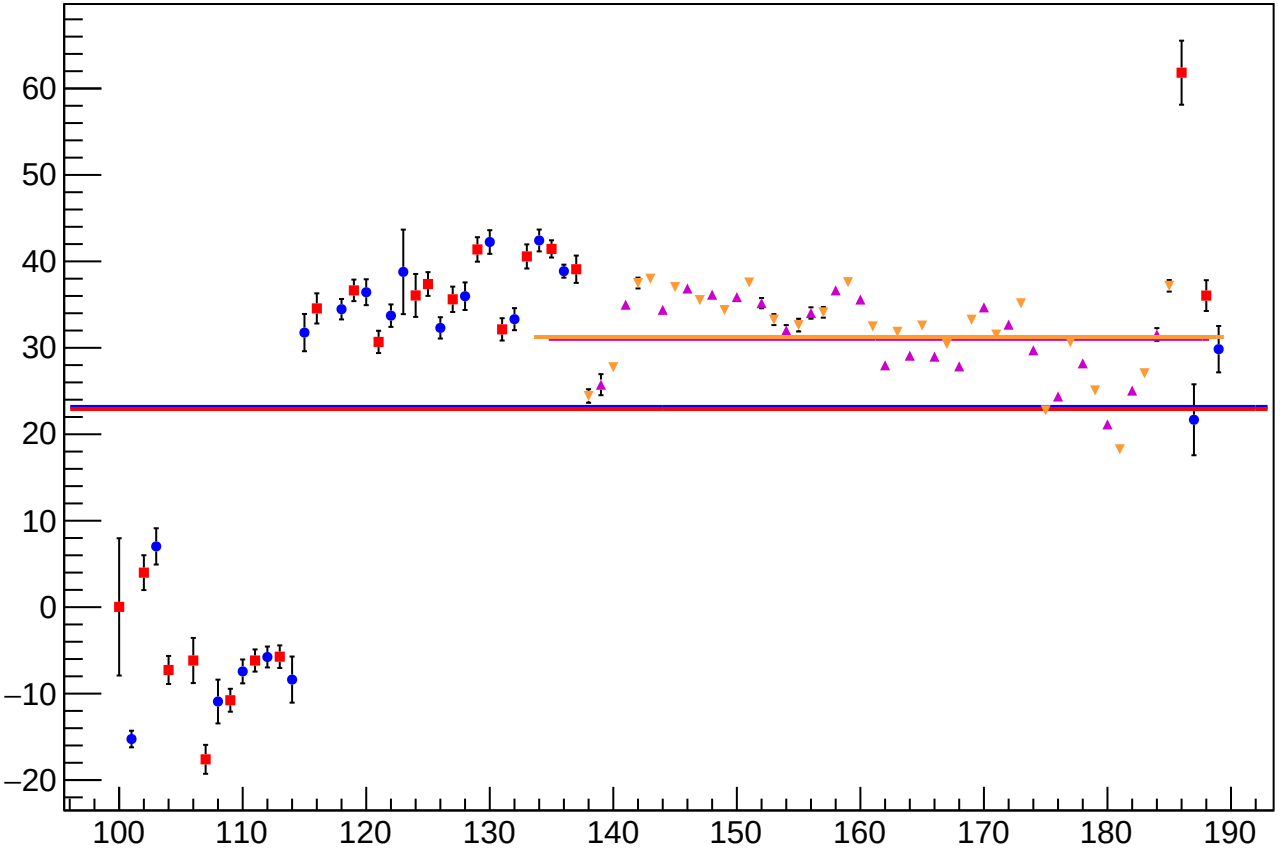
Left In: -33.946+/-0.105 $\chi^2$/NDF:17855.4/22

+ sign -35.090+/-0.102 $\chi^2$/NDF: 21676.4/43

All: -35.274+/-0.072 $\chi^2$/NDF: 45088.3/87

- sign -35.458+/-0.101 $\chi^2$/NDF: 23405.3/43

# reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug




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

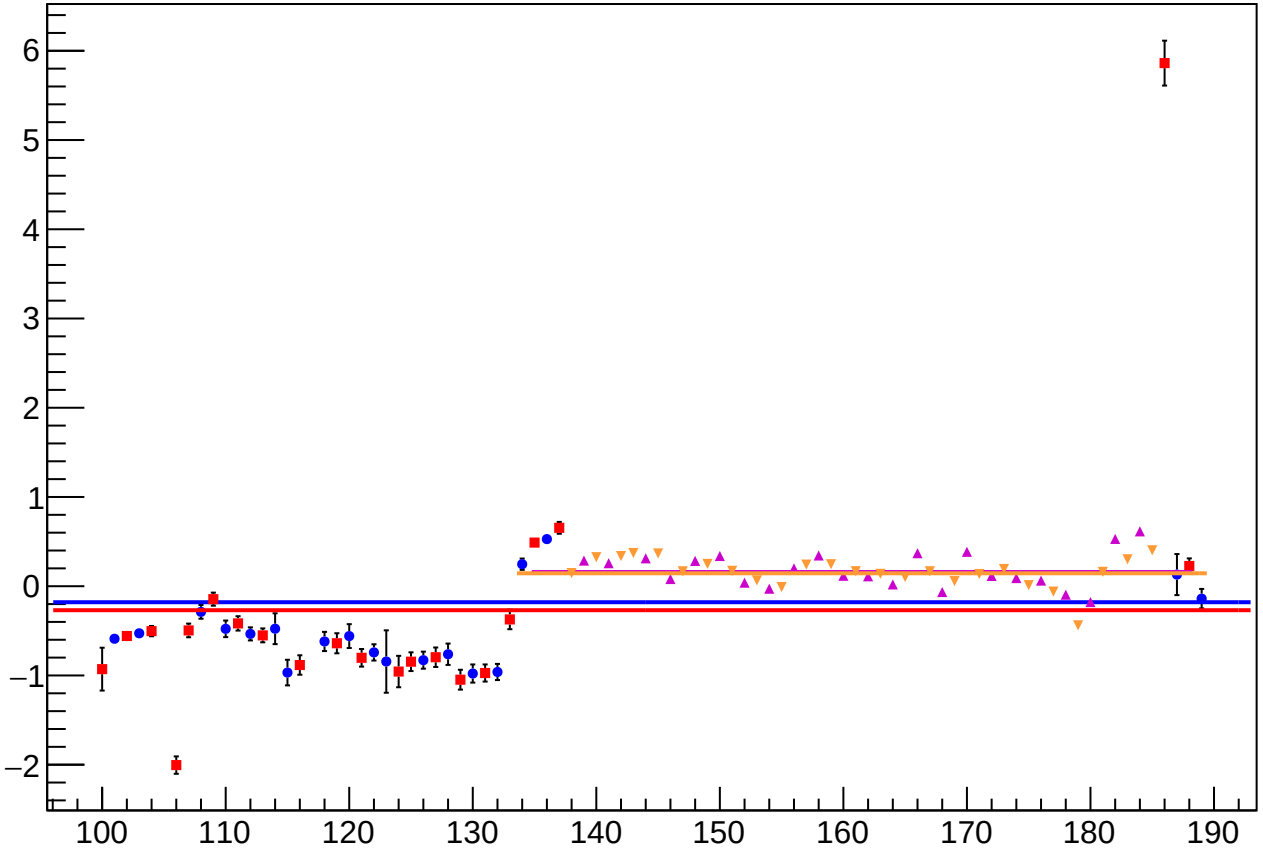
Left In: 31.040+/-0.094 $\chi^2$/NDF:2488.6/22

+ sign 30.637+/-0.089 $\chi^2$/NDF: 8238.6/43

All: 30.541+/-0.063 $\chi^2$/NDF: 15485.5/87

- sign 30.441+/-0.090 $\chi^2$/NDF: 7244.5/43

# reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug




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

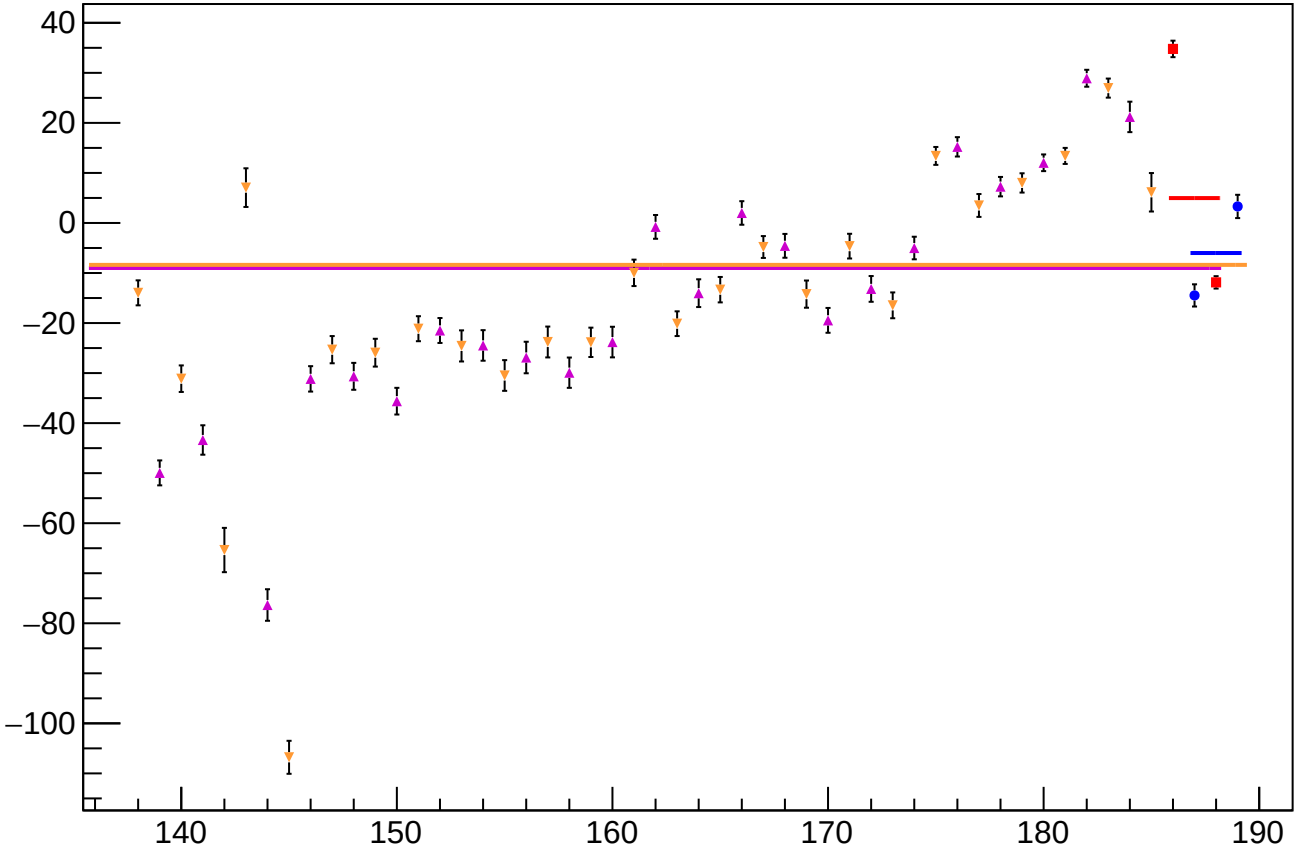
Left In: 0.159+/-0.004 $\chi^2$/NDF:2020.5/22

+ sign 0.127+/-0.004 $\chi^2$/NDF: 2898.7/43

All: 0.131+/-0.003 $\chi^2$/NDF: 7293.6/87

- sign 0.135+/-0.004 $\chi^2$/NDF: 4392.8/43

# reg_asym_atl1_diff_bpm1X_slope vs Slug




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

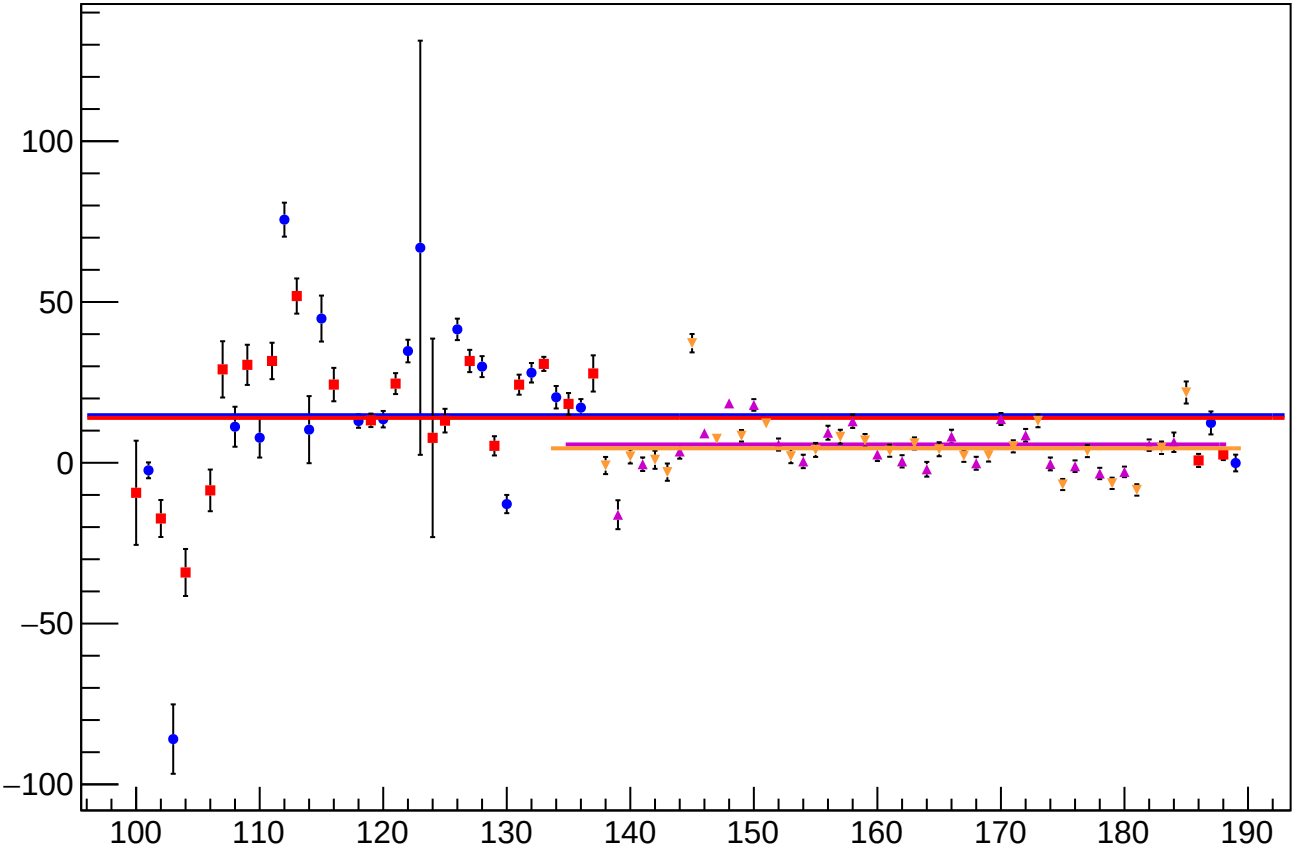
Left In: -8.995+/-0.505 $\chi^2$/NDF:2308.2/22

+ sign -8.166+/-0.478 $\chi^2$/NDF: 2256.6/26

All: -7.077+/-0.328 $\chi^2$/NDF: 5244.8/51

- sign -6.110+/-0.450 $\chi^2$/NDF: 2978.4/24

# reg_asym_atl1_diff_bpm4aY_slope vs Slug




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

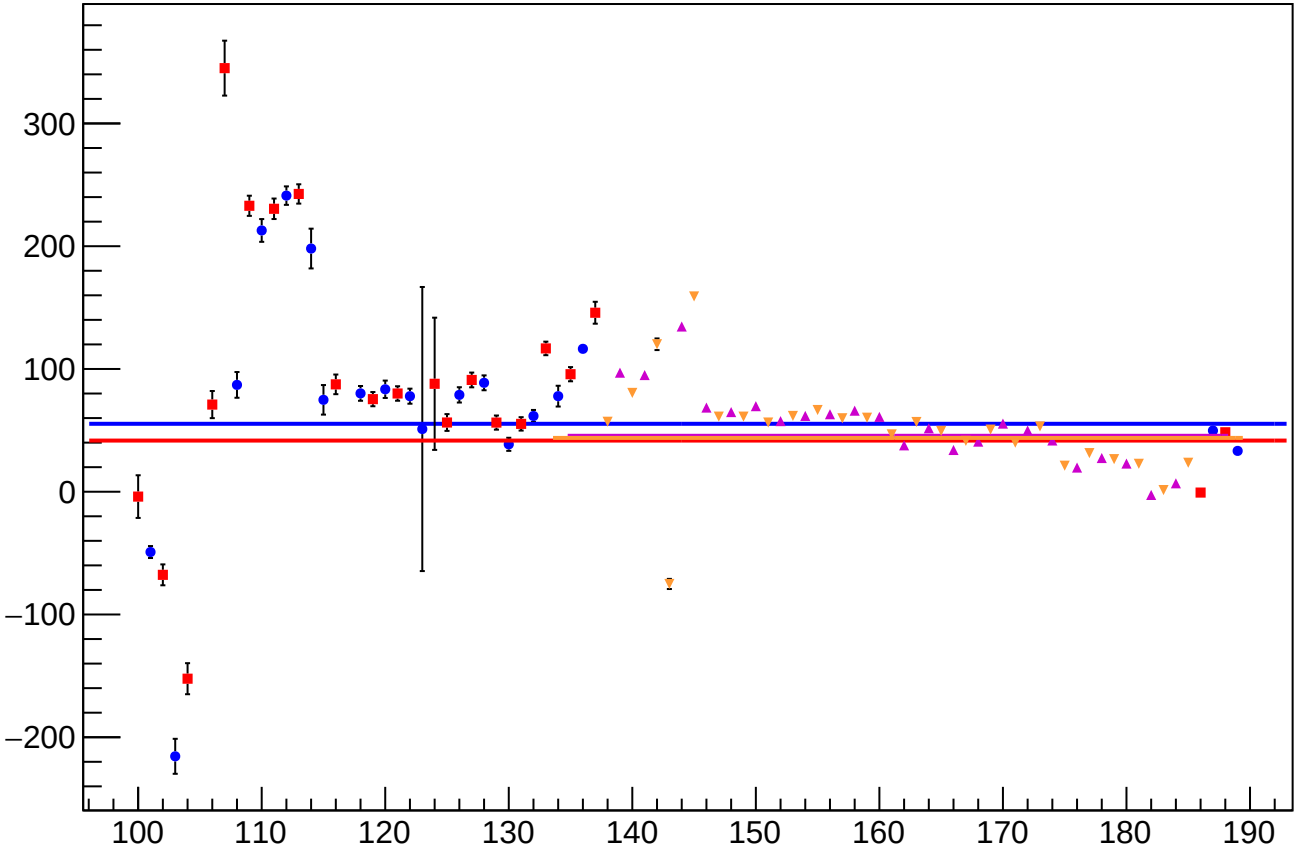
Left In: 5.699+/-0.403 $\chi^2$/NDF:329.1/22

+ sign 6.552+/-0.351 $\chi^2$/NDF: 1066.5/43

All: 7.062+/-0.249 $\chi^2$/NDF: 1862.5/87

- sign 7.581+/-0.354 $\chi^2$/NDF: 791.7/43

# reg_asym_atl1_diff_bpm4eX_slope vs Slug




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

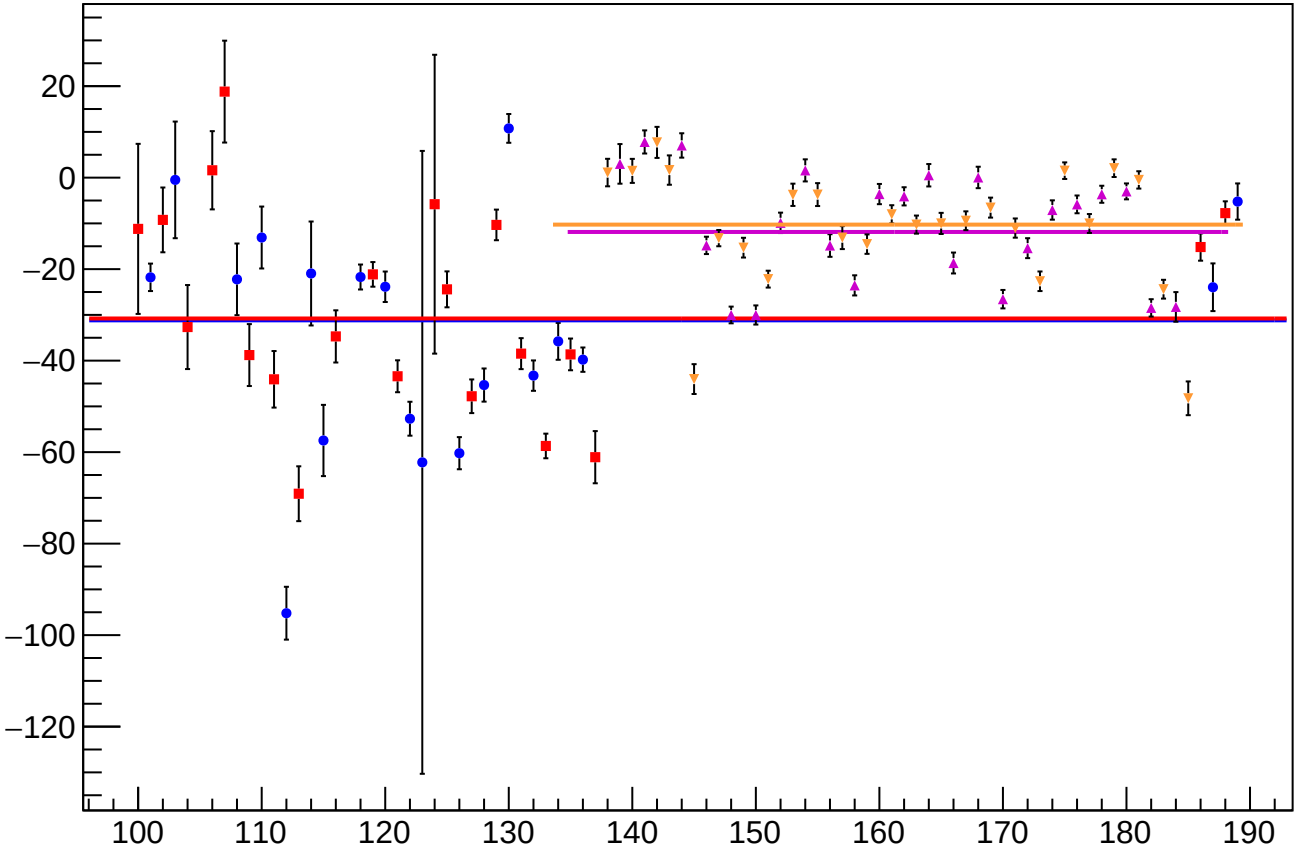
Left In: 45.559+/-0.502 $\chi^2$/NDF:3152.4/22

+ sign 46.006+/-0.450 $\chi^2$/NDF: 6059.5/43

All: 45.074+/-0.304 $\chi^2$/NDF: 13225.7/87

- sign 44.289+/-0.412 $\chi^2$/NDF: 7158.3/43

# reg_asym_atl1_diff_bpm4eY_slope vs Slug




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

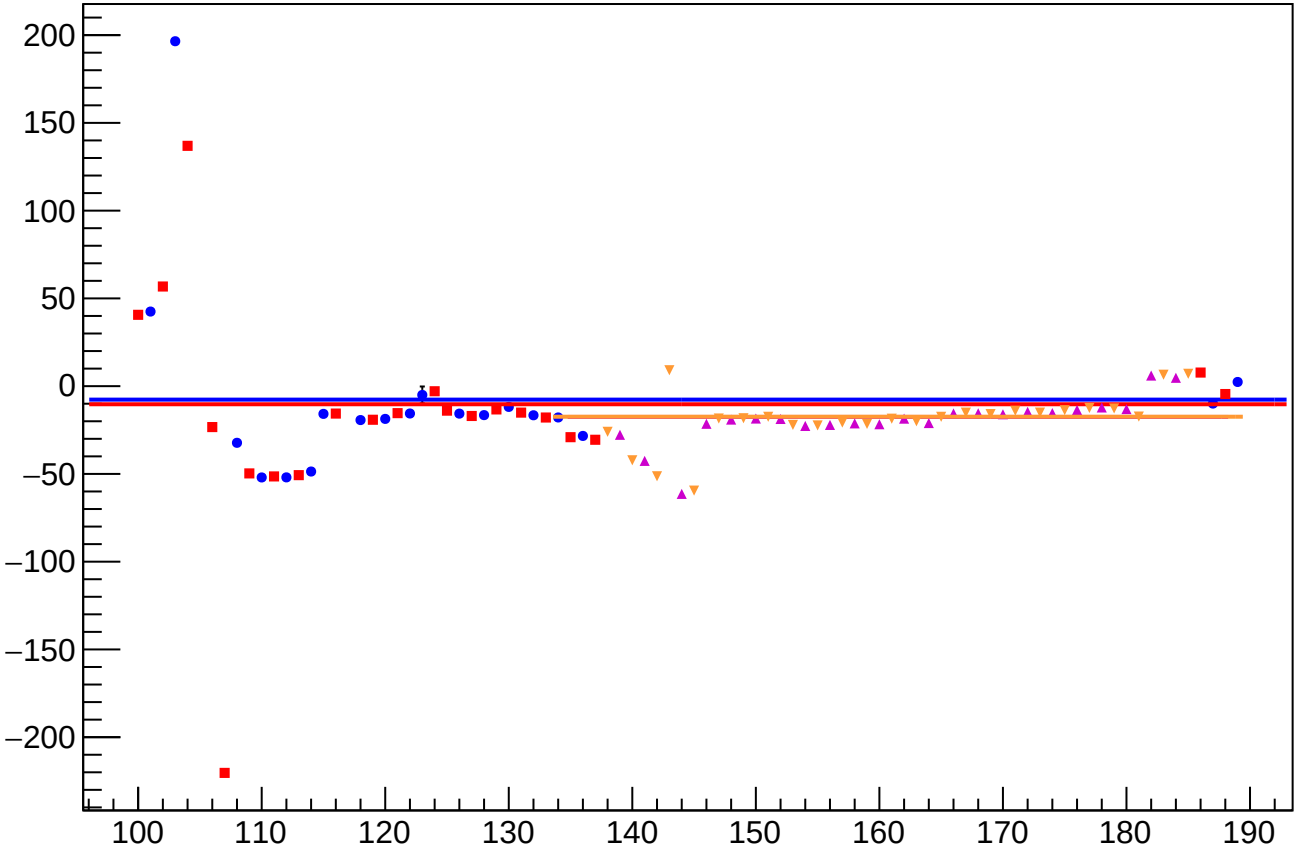
Left In: -11.875+/-0.455 $\chi^2$/NDF:668.4/22

+ sign -14.173+/-0.401 $\chi^2$/NDF: 1508.0/43

All: -14.911+/-0.286 $\chi^2$/NDF: 2962.7/87

- sign -15.669+/-0.407 $\chi^2$/NDF: 1447.8/43

# reg_asym_atl1_diff_bpm12X_slope vs Slug




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

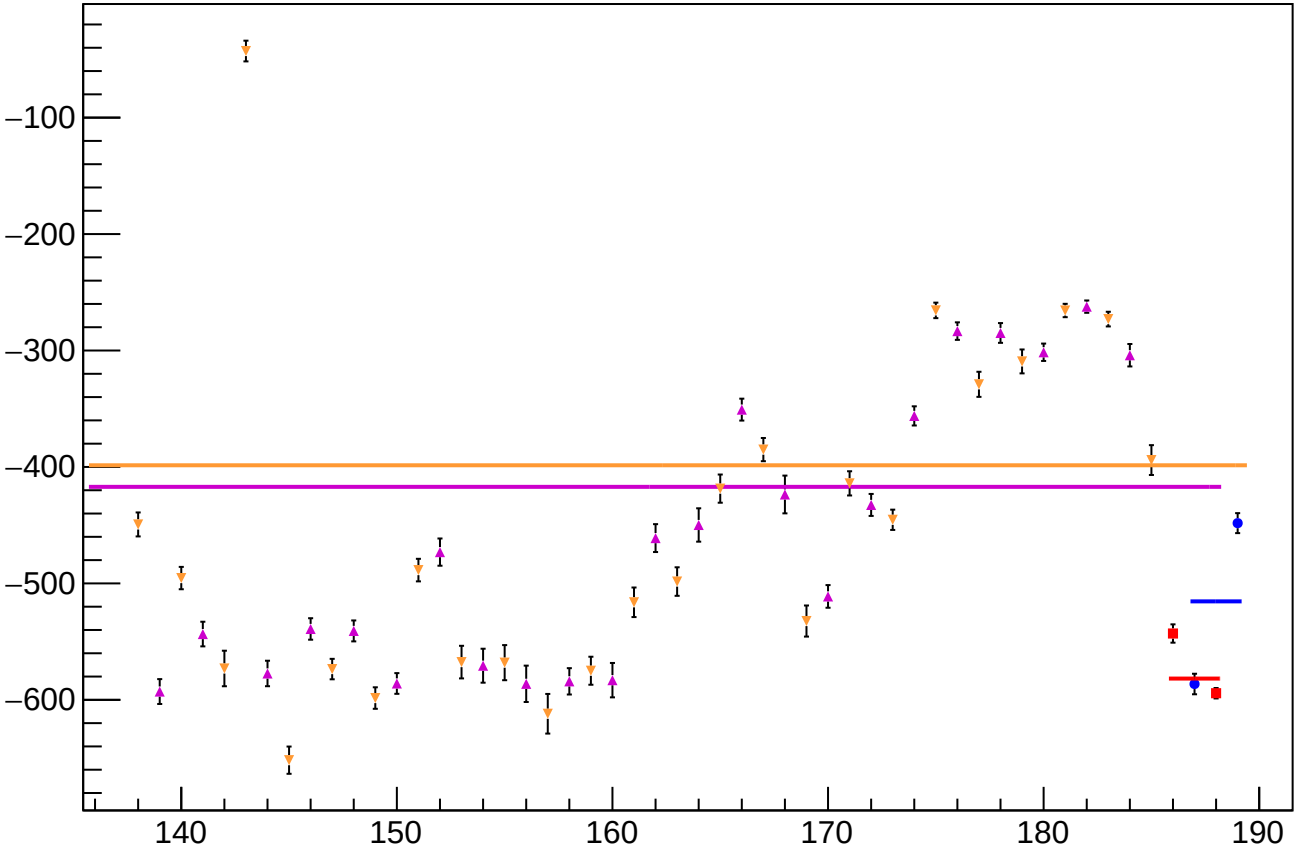
Left In: -17.552+/-0.021 $\chi^2$/NDF:261900.3/22

+ sign -16.218+/-0.019 $\chi^2$/NDF: 927911.7/43

All: -16.424+/-0.014 $\chi^2$/NDF: 1775727.5/87

- sign -16.631+/-0.019 $\chi^2$/NDF: 847583.2/43

# reg_asym_atl2_diff_bpm1X_slope vs Slug




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

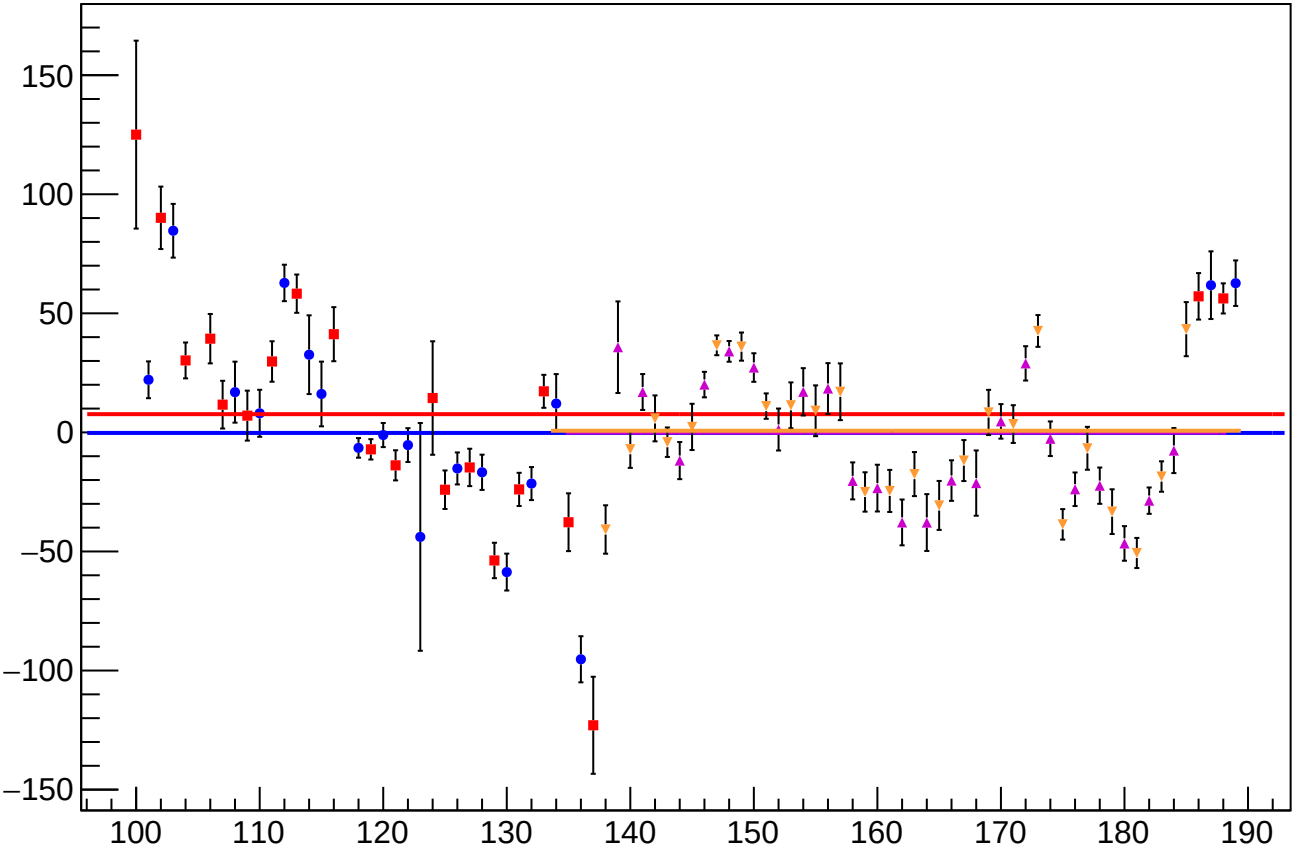
Left In: -417.080+/-1.997 $\chi^2$/NDF:3958.5/22

+ sign -409.353+/-1.869 $\chi^2$/NDF: 6113.6/26

All: -431.398+/-1.288 $\chi^2$/NDF: 11783.7/51

- sign -451.333+/-1.777 $\chi^2$/NDF: 5405.0/24

# reg_asym_atl2_diff_bpm4aY_slope vs Slug




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

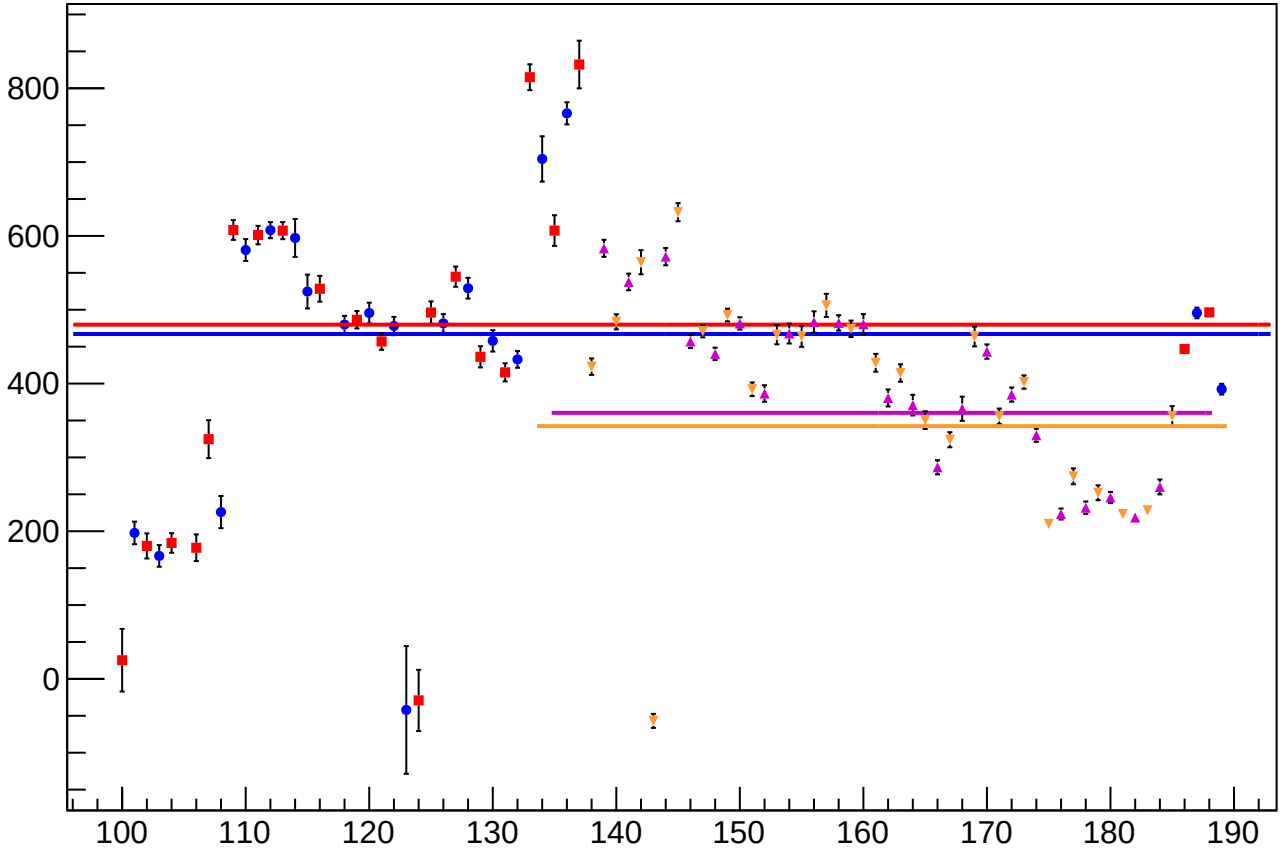
Left In: -0.052+/-1.571 $\chi^2$/NDF:264.1/22

+ sign 0.325+/-1.167 $\chi^2$/NDF: 730.2/43

All: 1.774+/-0.831 $\chi^2$/NDF: 1407.4/87

- sign 3.269+/-1.185 $\chi^2$/NDF: 674.0/43

# reg_asym_atl2_diff_bpm4eX_slope vs Slug




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

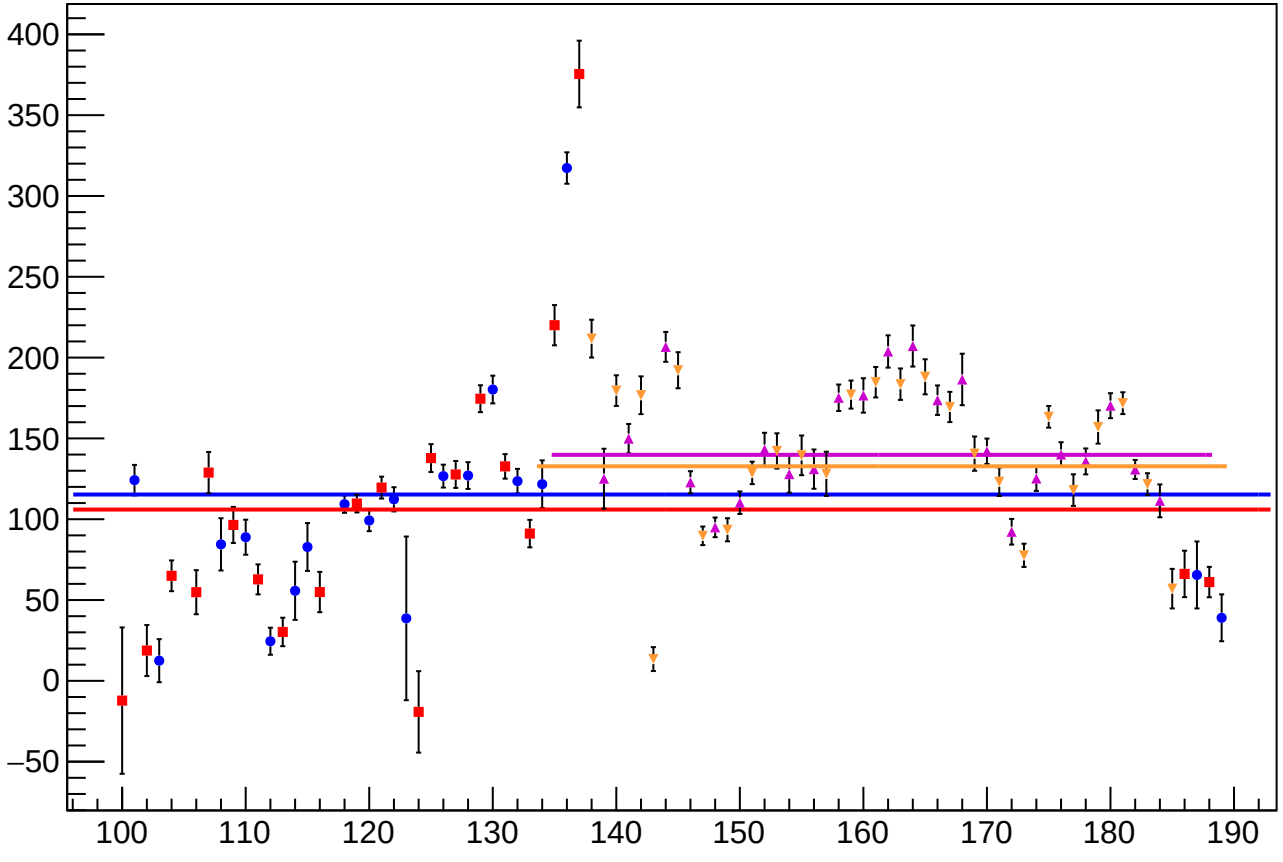
Left In: 360.355+/-1.996 $\chi^2$/NDF:3449.9/22

+ sign 380.582+/-1.641 $\chi^2$/NDF: 8170.2/43

All: 396.726+/-1.115 $\chi^2$/NDF: 15644.8/87

- sign 410.570+/-1.519 $\chi^2$/NDF: 7294.8/43

# reg_asym_atl2_diff_bpm4eY_slope vs Slug




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

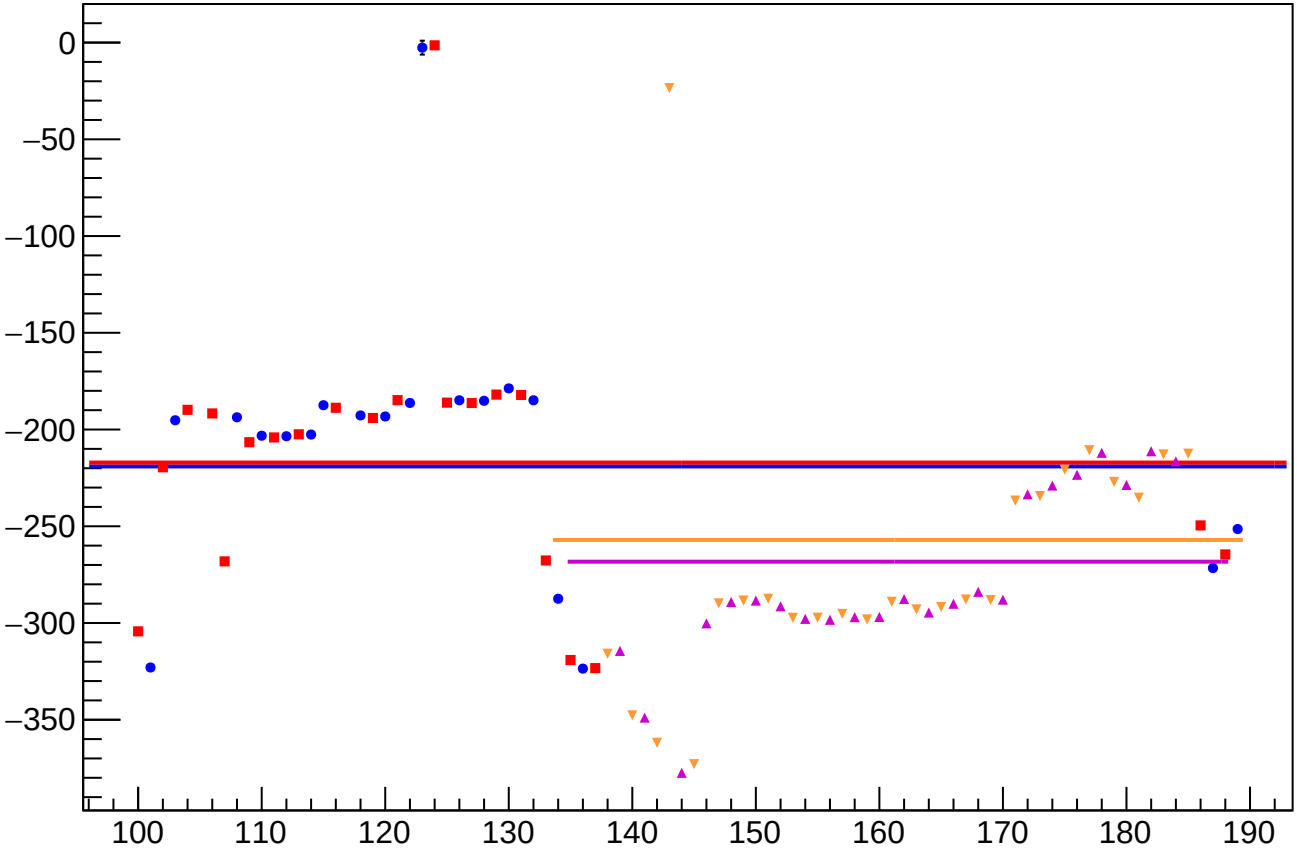
Left In: 139.828+/-1.790 $\chi^2$/NDF:321.7/22

+ sign 125.890+/-1.352 $\chi^2$/NDF: 1530.9/43

All: 125.846+/-0.962 $\chi^2$/NDF: 2604.8/87

- sign 125.801+/-1.370 $\chi^2$/NDF: 1074.0/43

# reg_asym_atl2_diff_bpm12X_slope vs Slug




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

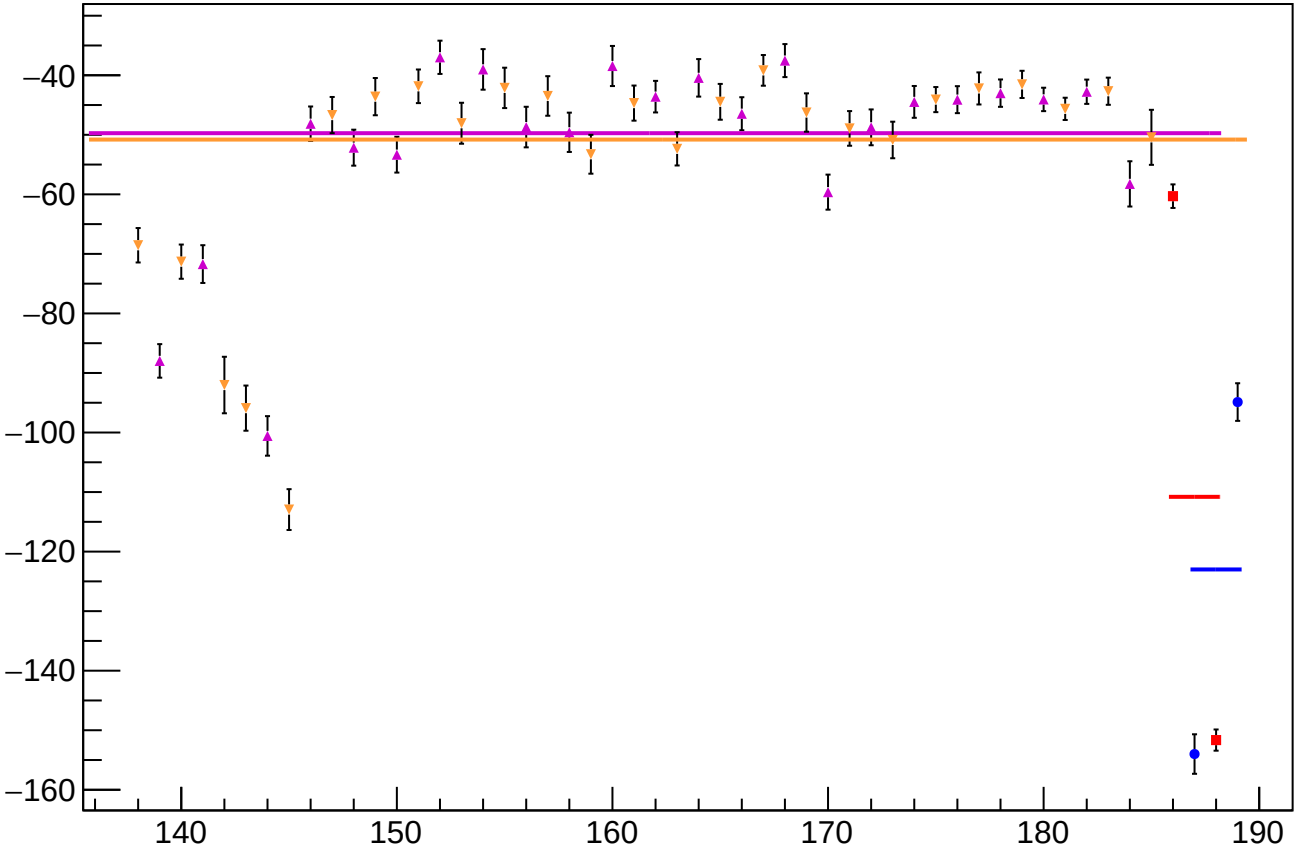
Left In: -268.305+/-0.083 $\chi^2$/NDF:264853.3/22

+ sign -246.393+/-0.070 $\chi^2$/NDF: 877706.3/43

All: -249.452+/-0.049 $\chi^2$/NDF: 1392184.4/87

- sign -252.462+/-0.069 $\chi^2$/NDF: 510664.7/43

# reg_asym_atr1_diff_bpm1X_slope vs Slug




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

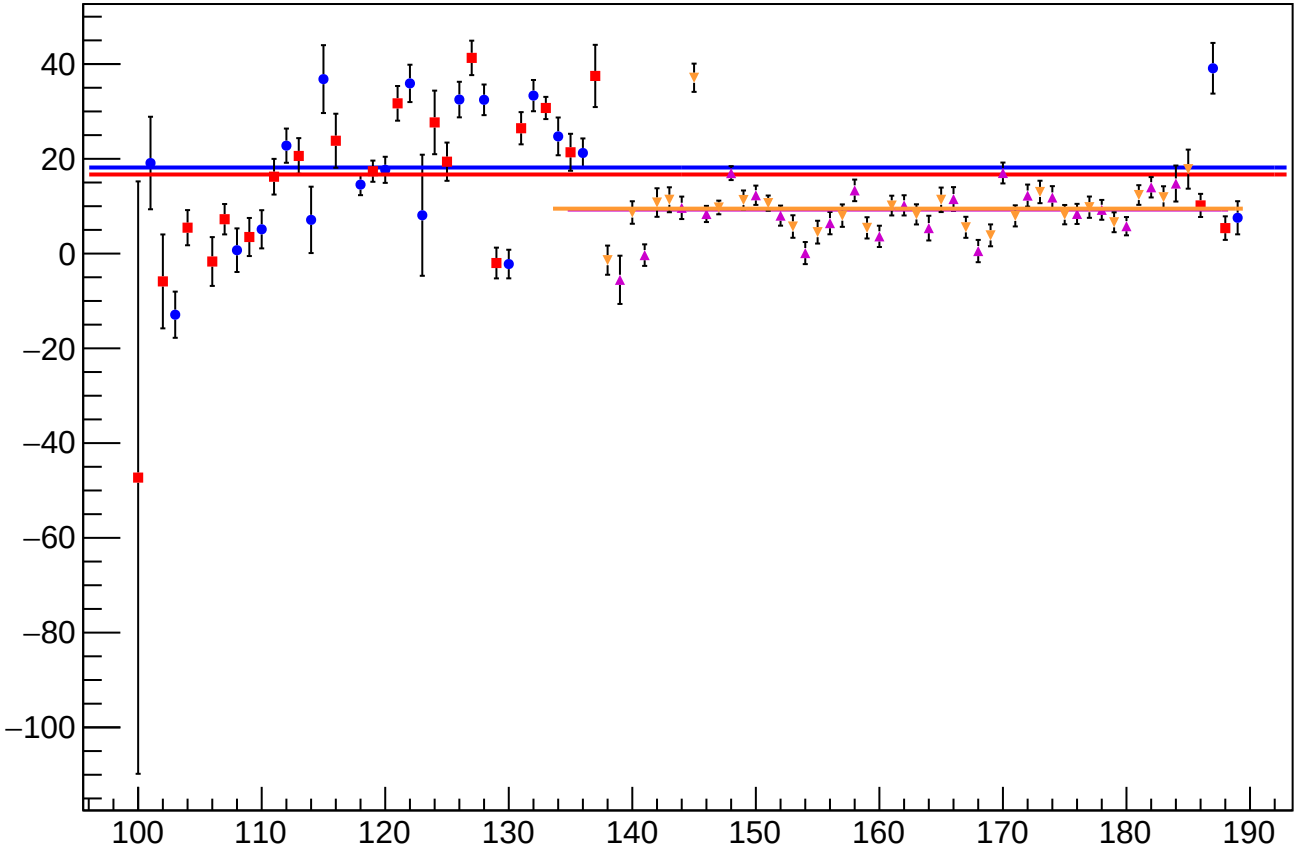
Left In: -49.728+/-0.581 $\chi^2$/NDF:601.0/22

+ sign -55.073+/-0.557 $\chi^2$/NDF: 1855.7/26

All: -57.442+/-0.385 $\chi^2$/NDF: 5453.5/51

- sign -59.608+/-0.532 $\chi^2$/NDF: 3563.1/24

# reg_asym_atr1_diff_bpm4aY_slope vs Slug




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

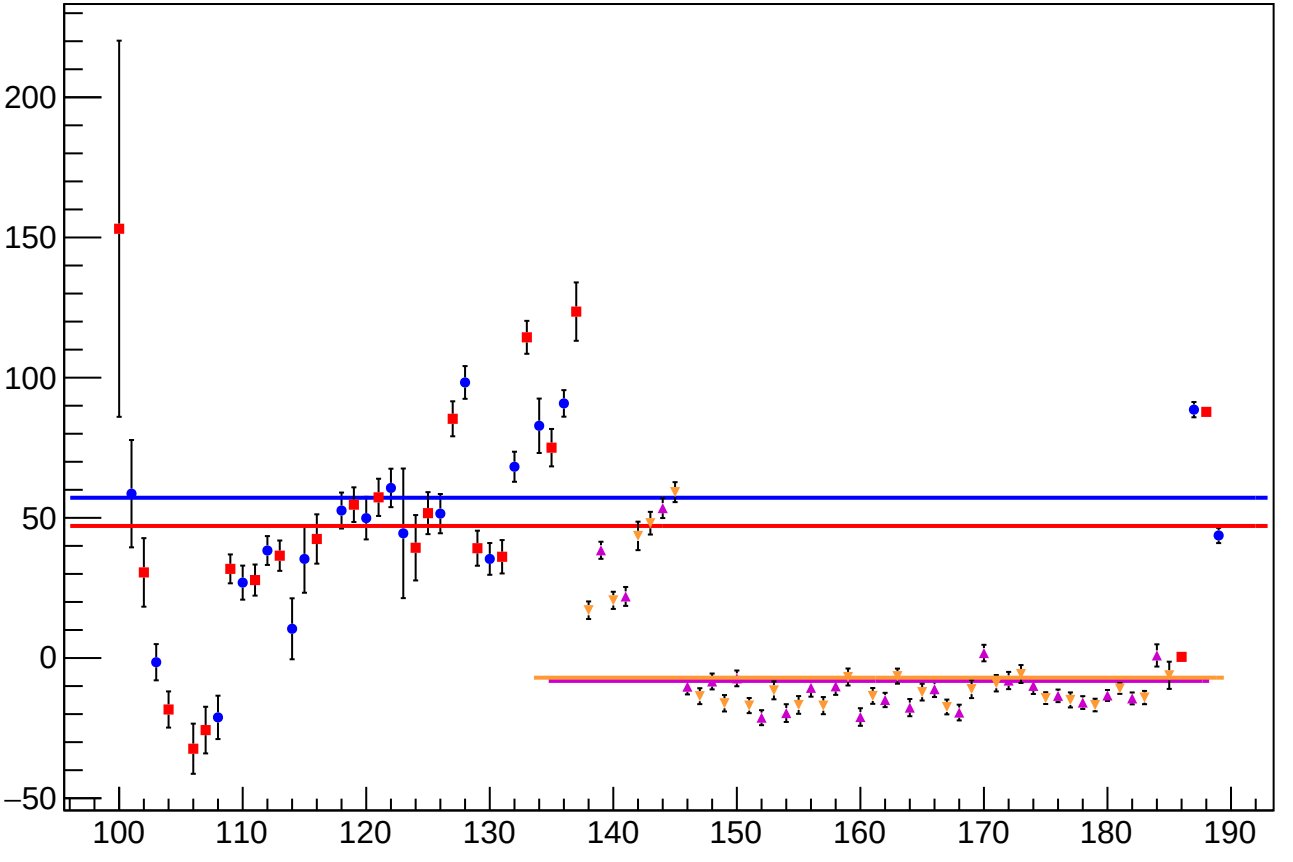
Left In: 9.289+/-0.461 $\chi^2$/NDF:125.6/22

+ sign 11.312+/-0.397 $\chi^2$/NDF: 441.7/43

All: 11.268+/-0.280 $\chi^2$/NDF: 867.7/87

- sign 11.224+/-0.396 $\chi^2$/NDF: 425.9/43

# reg_asym_atr1_diff_bpm4eX_slope vs Slug




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

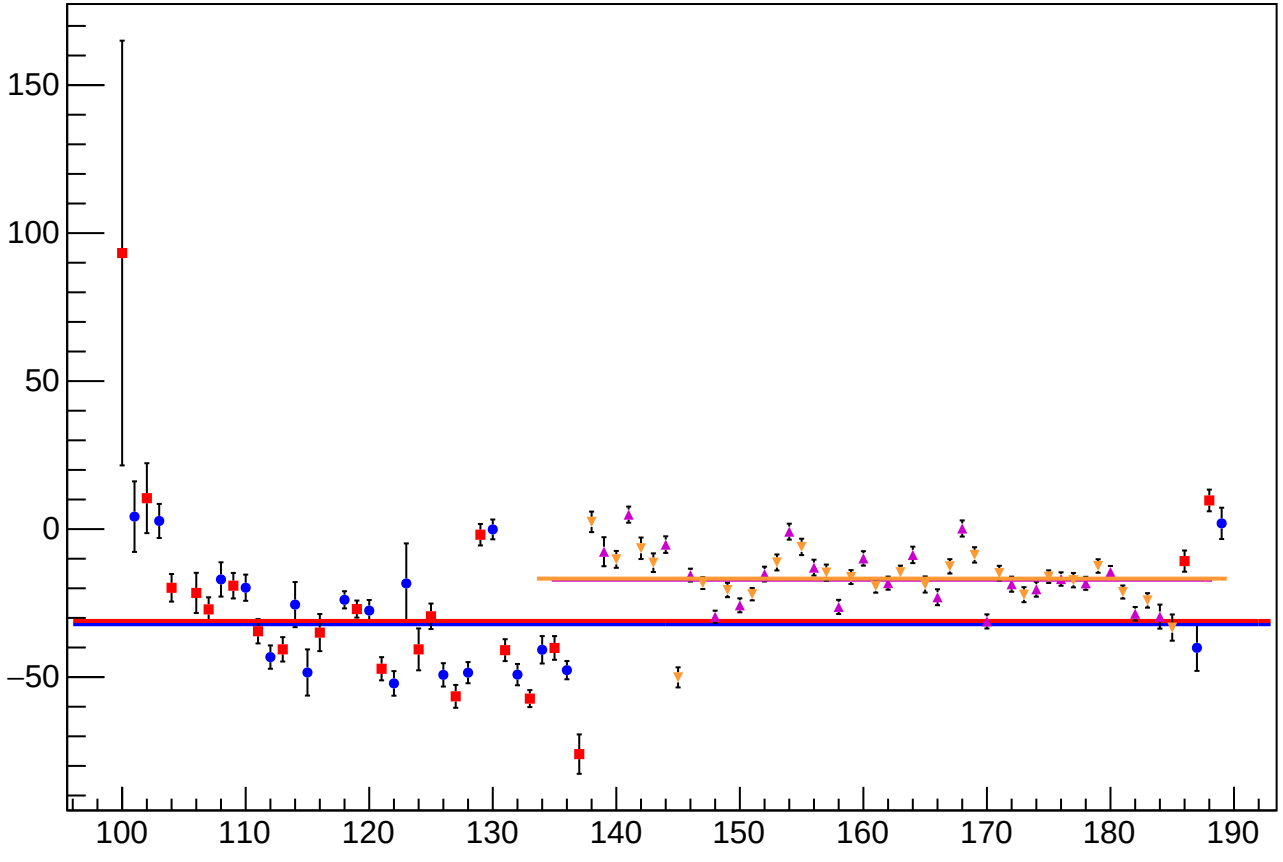
Left In: -8.158+/-0.578 $\chi^2$/NDF:753.9/22

+ sign 3.951+/-0.521 $\chi^2$/NDF: 3580.6/43

All: 6.293+/-0.355 $\chi^2$/NDF: 9309.4/87

- sign 8.316+/-0.484 $\chi^2$/NDF: 5691.1/43

# reg_asym_atr1_diff_bpm4eY_slope vs Slug




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

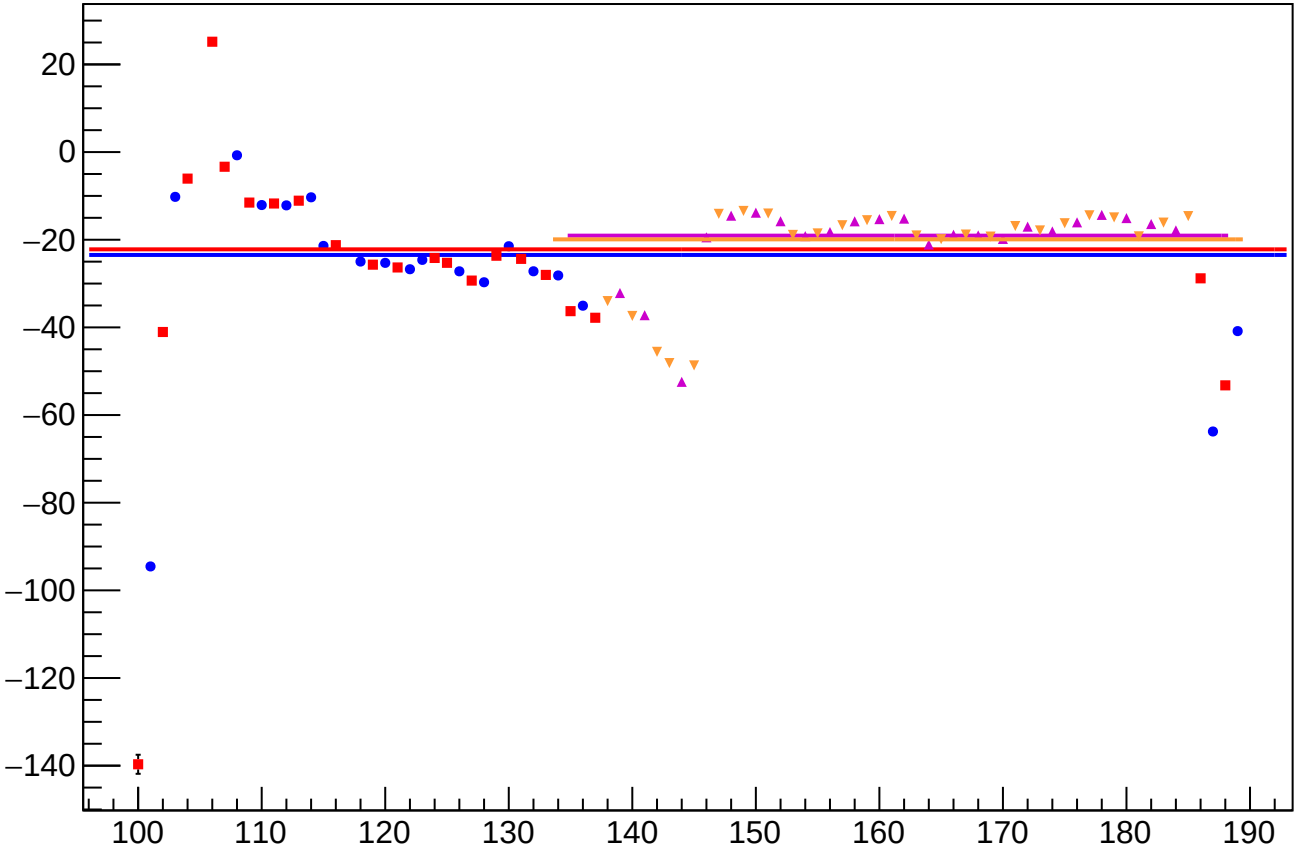
Left In: -17.100+/-0.520 $\chi^2$/NDF:328.1/22

+ sign -19.858+/-0.453 $\chi^2$/NDF: 743.3/43

All: -20.152+/-0.321 $\chi^2$/NDF: 1708.1/87

- sign -20.446+/-0.454 $\chi^2$/NDF: 964.0/43

# reg_asym_atr1_diff_bpm12X_slope vs Slug




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

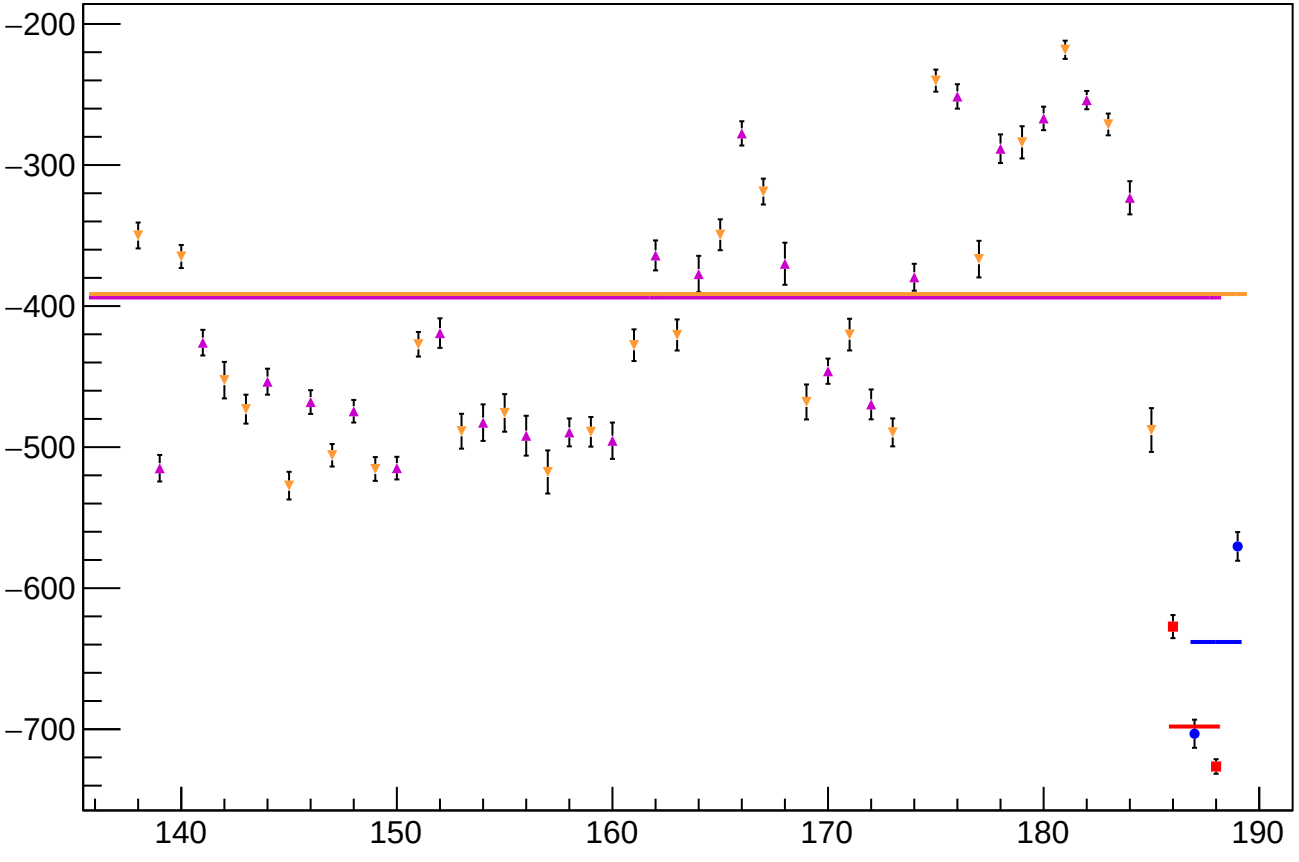
Left In: -19.068+/-0.024 $\chi^2$/NDF:92702.3/22

+ sign -20.438+/-0.022 $\chi^2$/NDF: 209524.0/43

All: -20.009+/-0.015 $\chi^2$/NDF: 423048.8/87

- sign -19.580+/-0.022 $\chi^2$/NDF: 212731.4/43

# reg_asym_atr2_diff_bpm1X_slope vs Slug




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

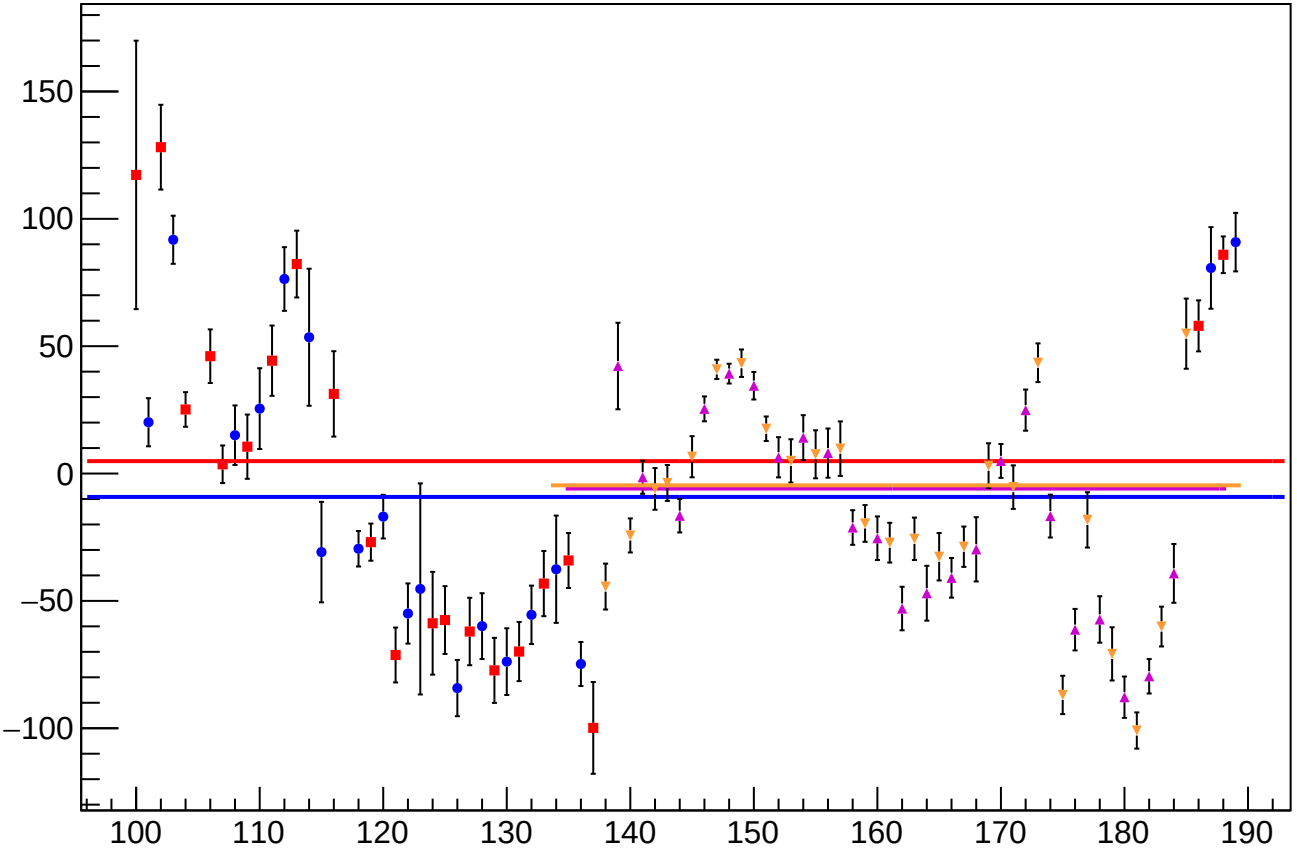
Left In: -393.904+/-1.998 $\chi^2$/NDF:2280.8/22

+ sign -409.072+/-1.901 $\chi^2$/NDF: 3911.2/26

All: -428.550+/-1.314 $\chi^2$/NDF: 10495.4/51

- sign -446.356+/-1.817 $\chi^2$/NDF: 6383.2/24

# reg_asym_atr2_diff_bpm4aY_slope vs Slug




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

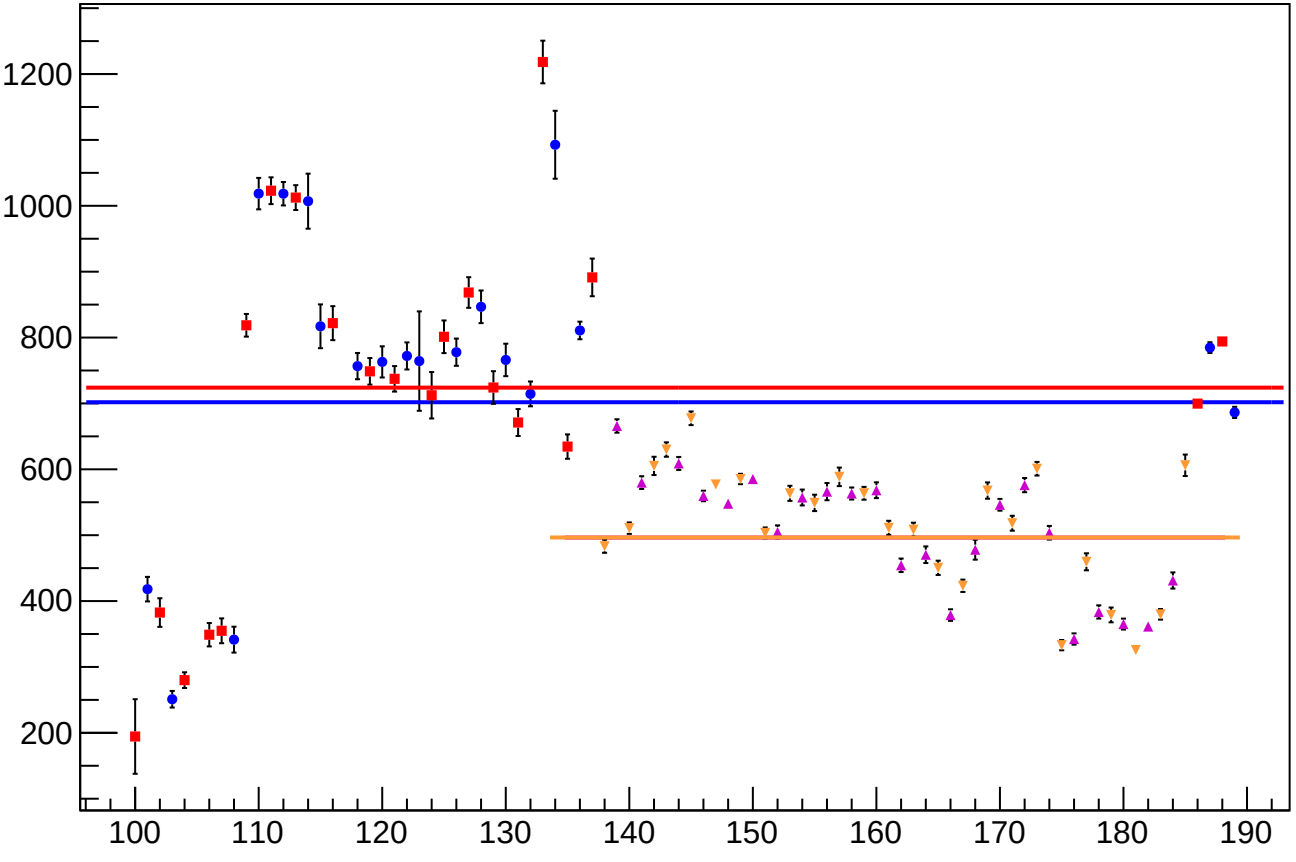
Left In: -5.906+/-1.513 $\chi^2$/NDF:657.5/22

+ sign -5.694+/-1.286 $\chi^2$/NDF: 1254.4/43

All: -4.246+/-0.906 $\chi^2$/NDF: 2483.2/87

- sign -2.815+/-1.278 $\chi^2$/NDF: 1226.3/43

# reg_asym_atr2_diff_bpm4eX_slope vs Slug




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

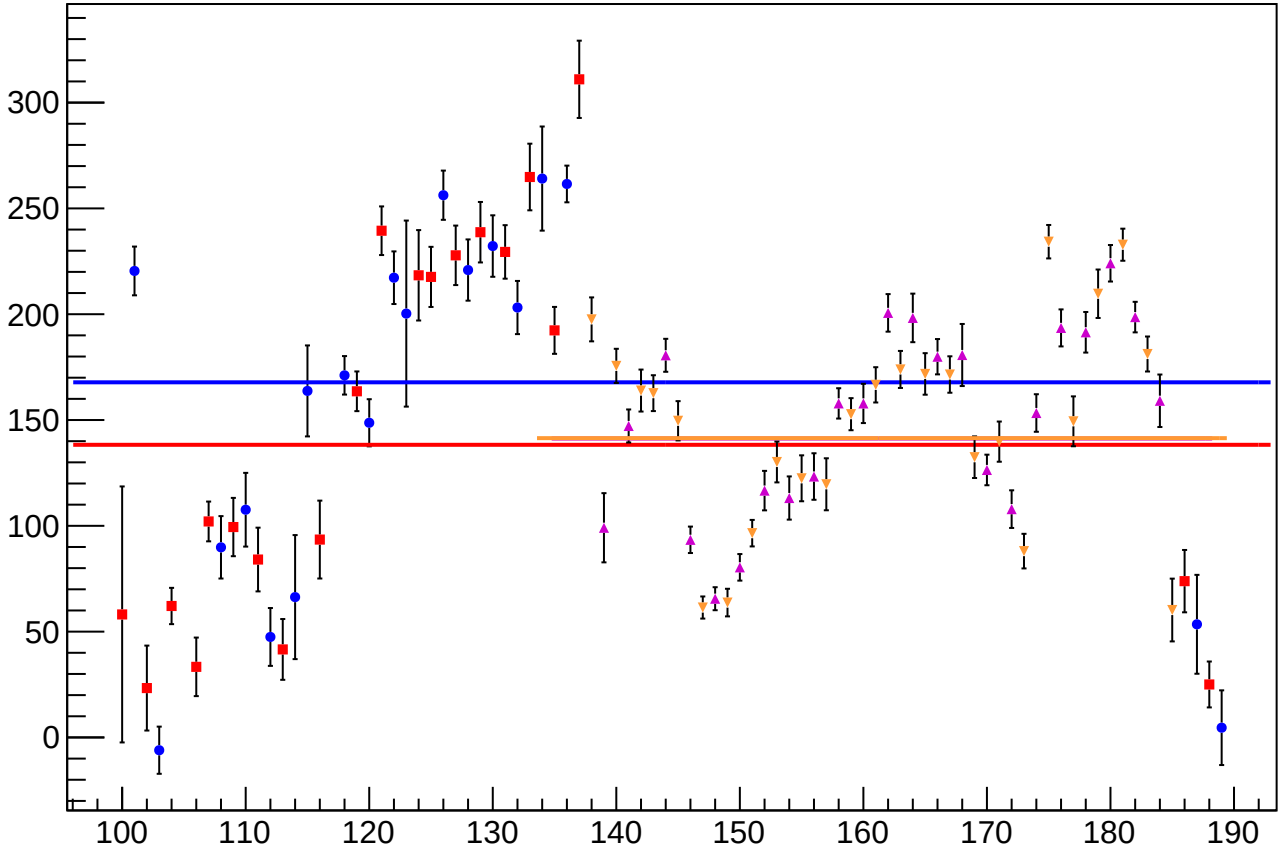
Left In: 496.393+/-1.985 $\chi^2$/NDF:2295.8/22

+ sign 539.573+/-1.752 $\chi^2$/NDF: 7582.0/43

All: 556.865+/-1.191 $\chi^2$/NDF: 18104.1/87

- sign 571.716+/-1.624 $\chi^2$/NDF: 10341.1/43

# reg_asym_atr2_diff_bpm4eY_slope vs Slug




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

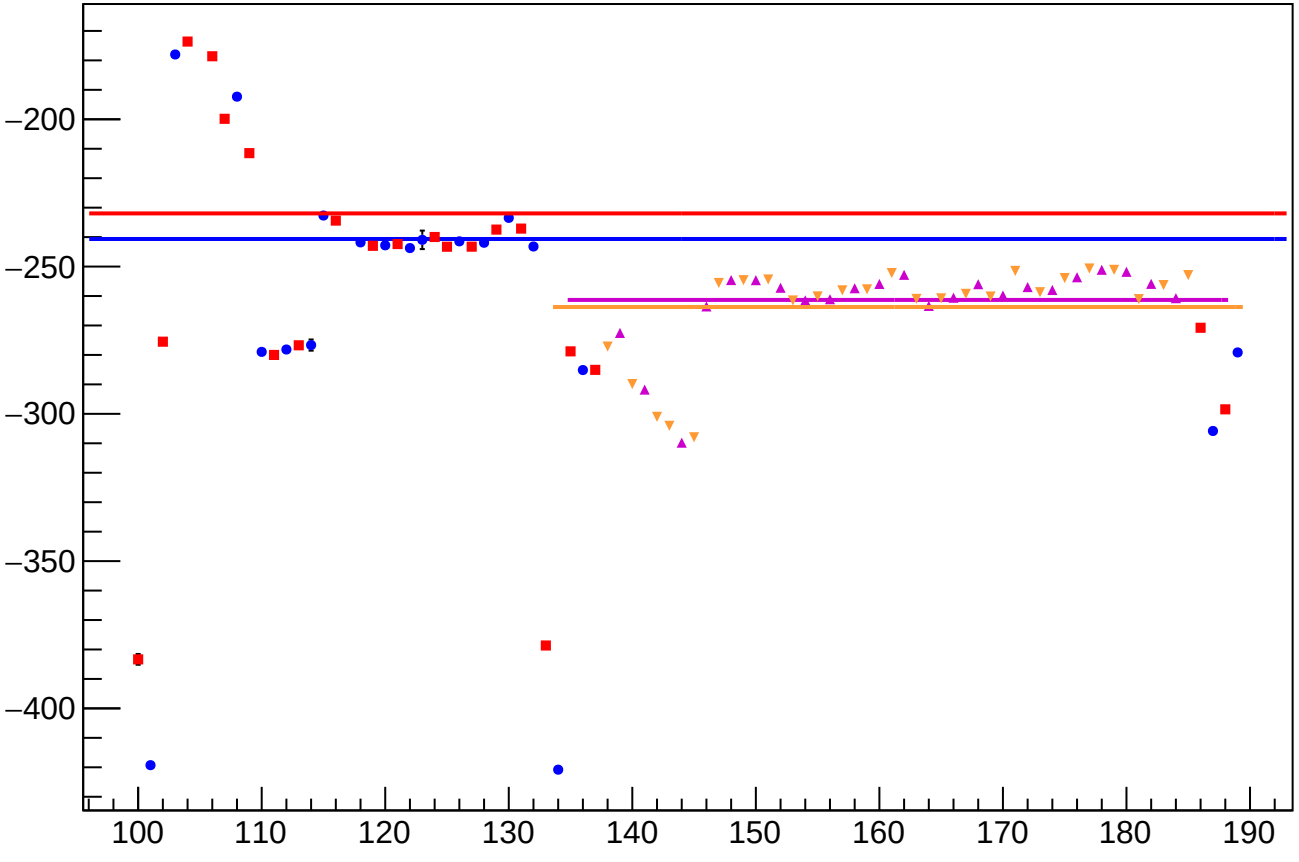
Left In: 141.248+/-1.744 $\chi^2$/NDF:744.2/22

+ sign 147.484+/-1.496 $\chi^2$/NDF: 1766.2/43

All: 143.956+/-1.056 $\chi^2$/NDF: 3358.3/87

- sign 140.452+/-1.491 $\chi^2$/NDF: 1581.0/43

# reg_asym_atr2_diff_bpm12X_slope vs Slug




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

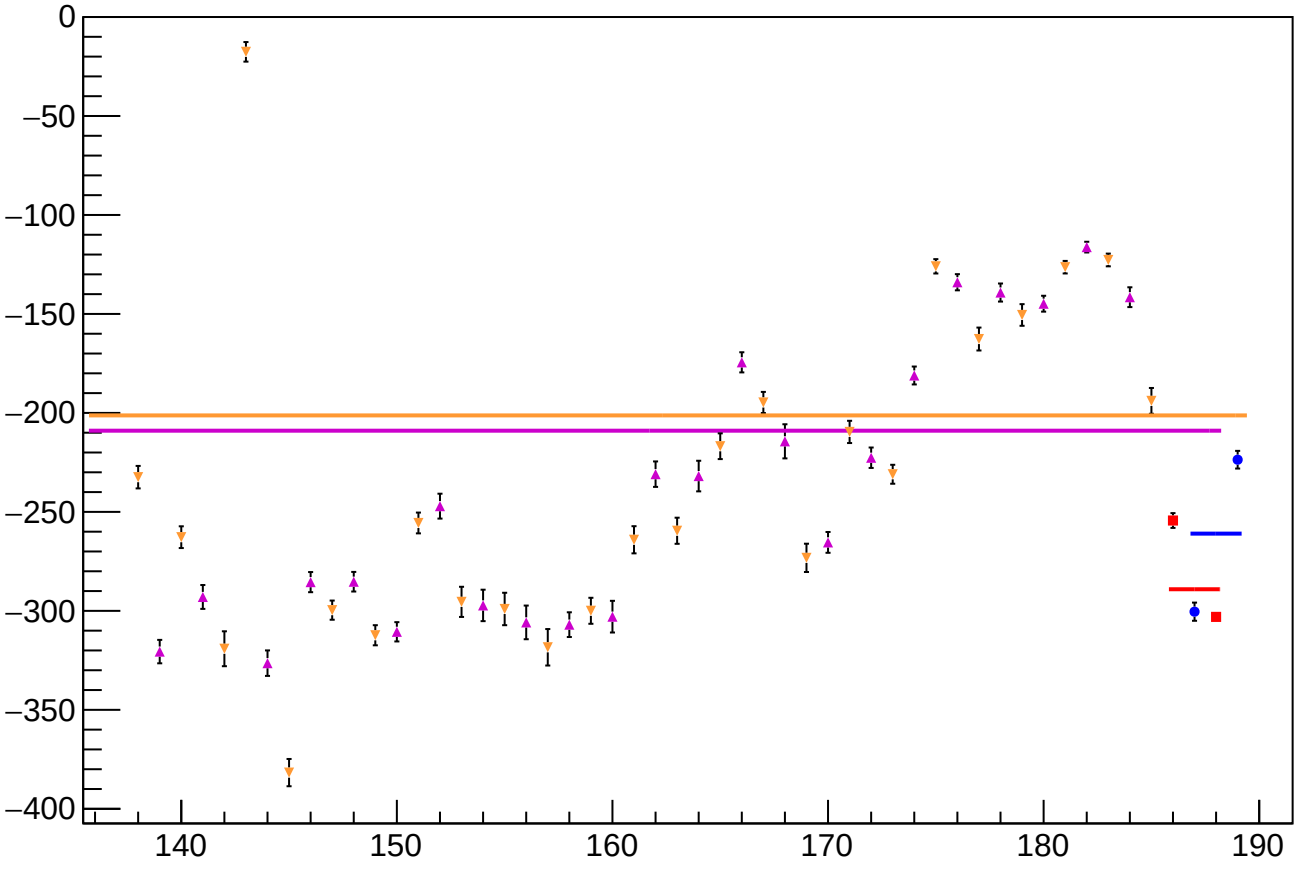
Left In: -261.325+/-0.082 $\chi^2$/NDF:23449.2/22

+ sign -258.781+/-0.072 $\chi^2$/NDF: 227094.8/43

All: -256.480+/-0.051 $\chi^2$/NDF: 402105.4/87

- sign -254.247+/-0.071 $\chi^2$/NDF: 173010.4/43

# reg_asym_atl_avg_diff_bpm1X_slope vs Slug




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

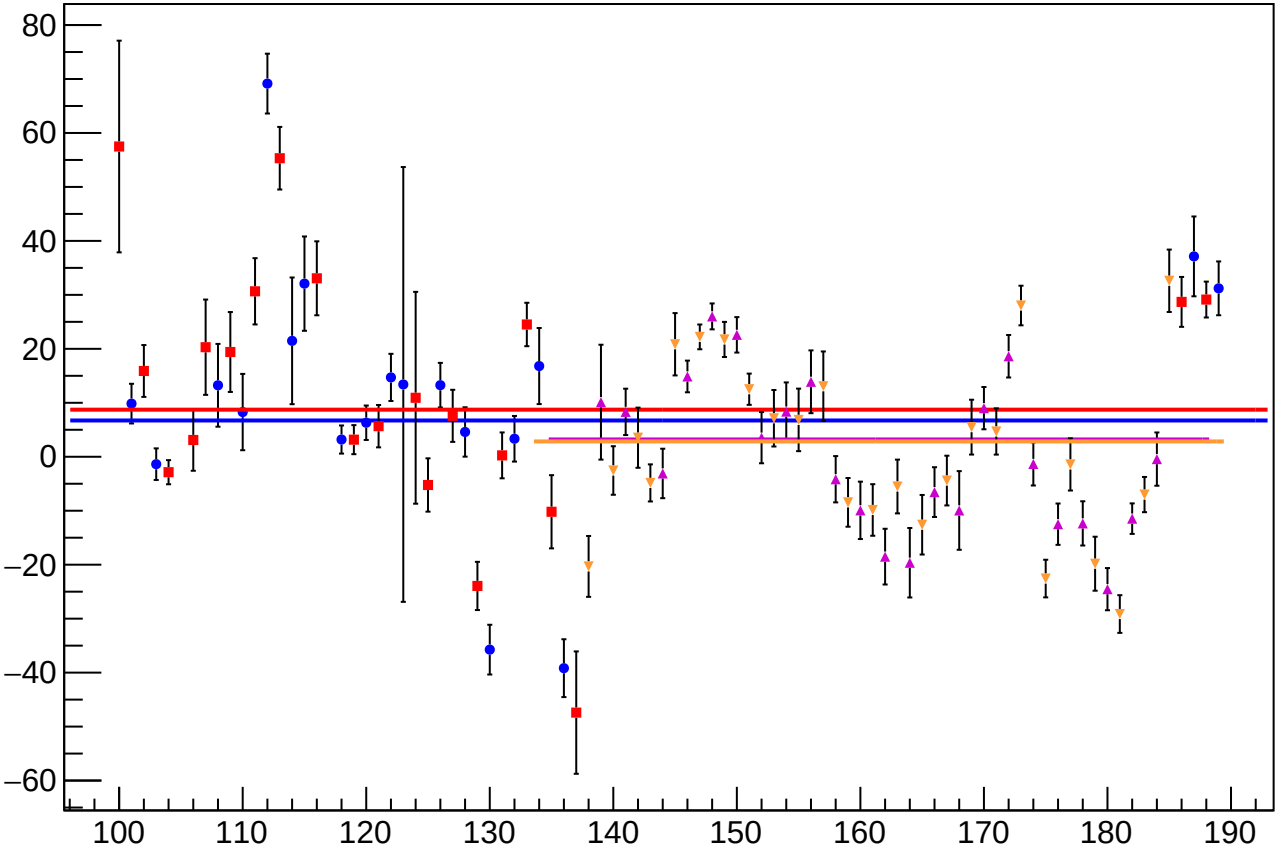
Left In: -208.981+/-1.078 $\chi^2$/NDF:4865.2/22

+ sign -207.214+/-1.011 $\chi^2$/NDF: 6566.8/26

All: -217.724+/-0.692 $\chi^2$/NDF: 12997.4/51

- sign -226.991+/-0.949 $\chi^2$/NDF: 6227.2/24

# reg_asym_atl_avg_diff_bpm4aY_slope vs Slug




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

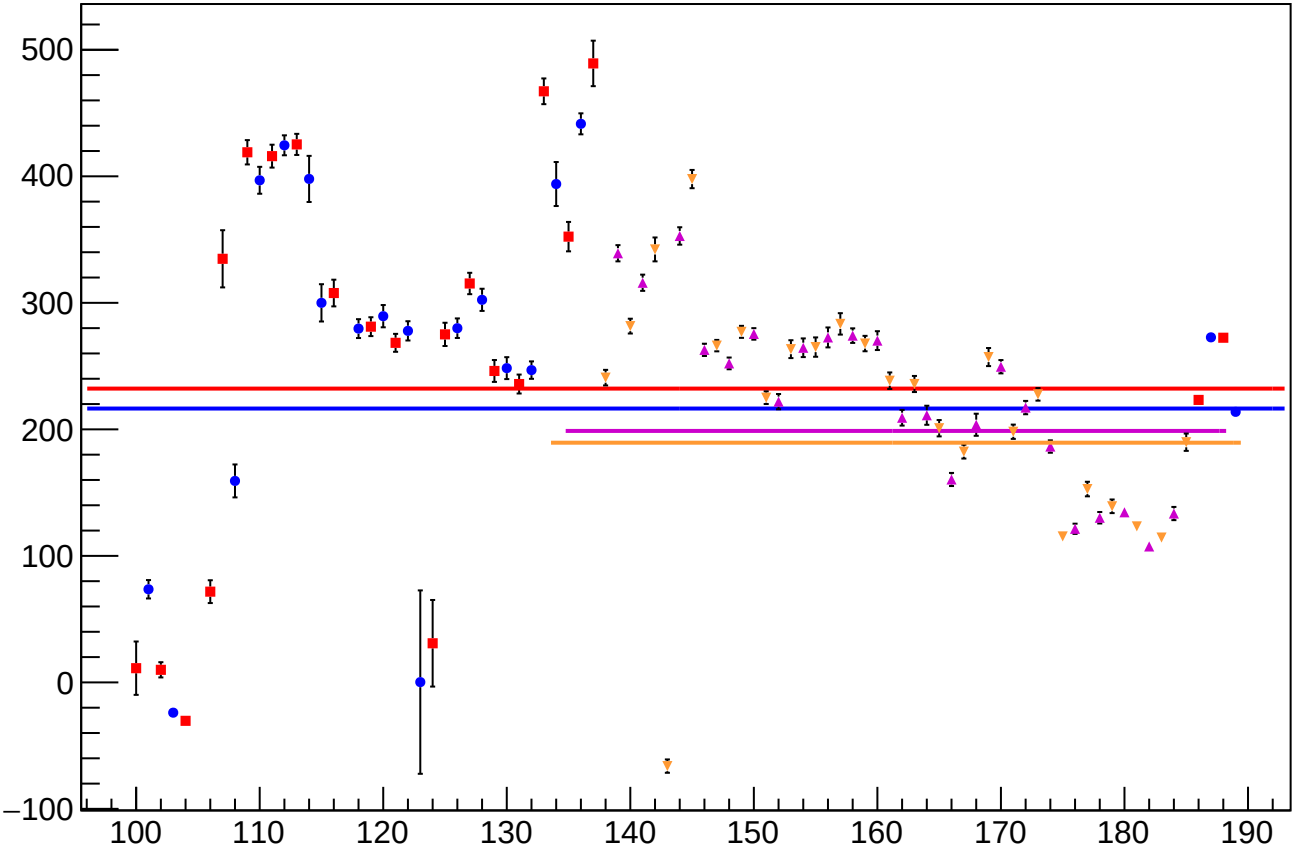
Left In: 3.208+/-0.854 $\chi^2$/NDF:323.8/22

+ sign 4.315+/-0.649 $\chi^2$/NDF: 784.8/43

All: 4.932+/-0.459 $\chi^2$/NDF: 1432.5/87

- sign 5.548+/-0.648 $\chi^2$/NDF: 645.9/43

# reg_asym_atl_avg_diff_bpm4eX_slope vs Slug




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

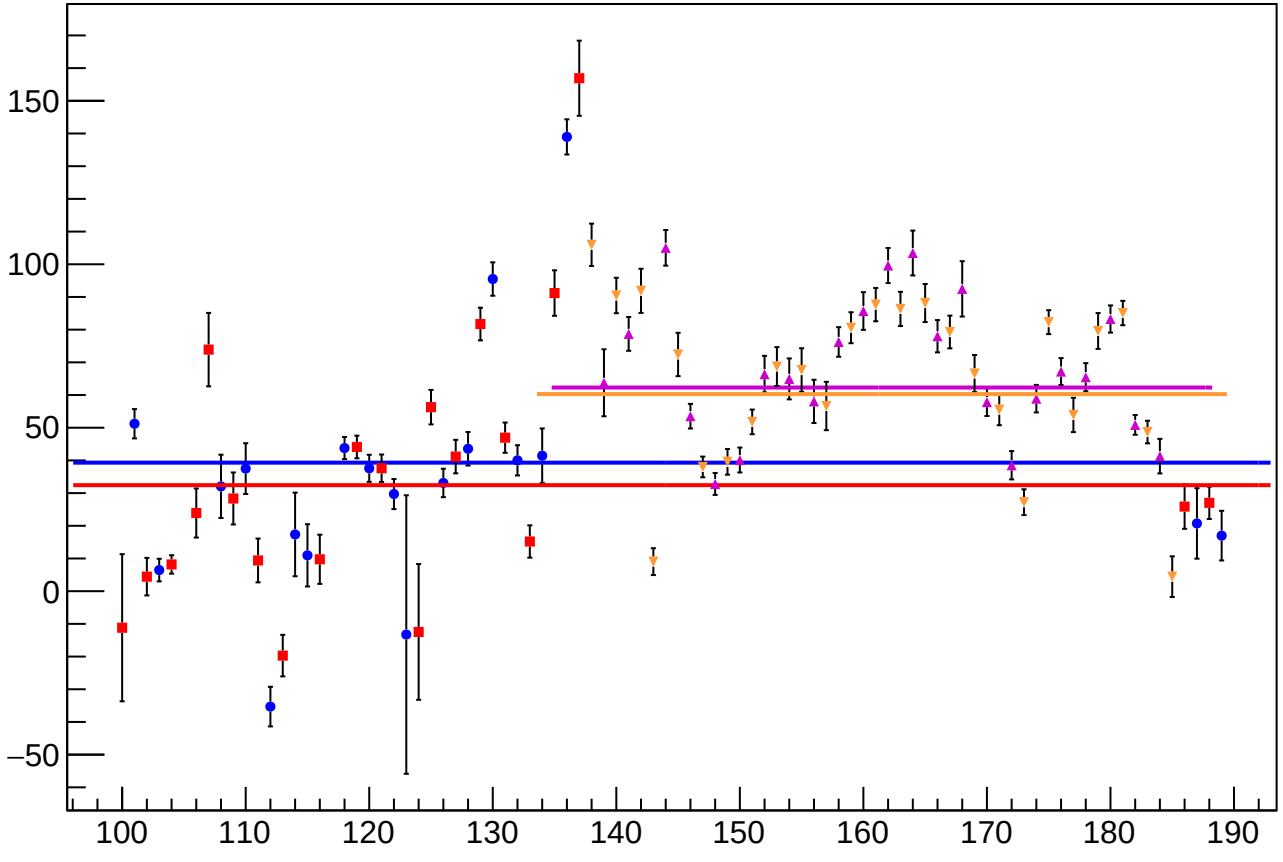
Left In: 198.762+/-1.078 $\chi^2$/NDF:4590.0/22

+ sign 197.894+/-0.887 $\chi^2$/NDF: 13881.3/43

All: 206.246+/-0.599 $\chi^2$/NDF: 28134.3/87

- sign 213.244+/-0.812 $\chi^2$/NDF: 14090.0/43

# reg_asym_atl_avg_diff_bpm4eY_slope vs Slug




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

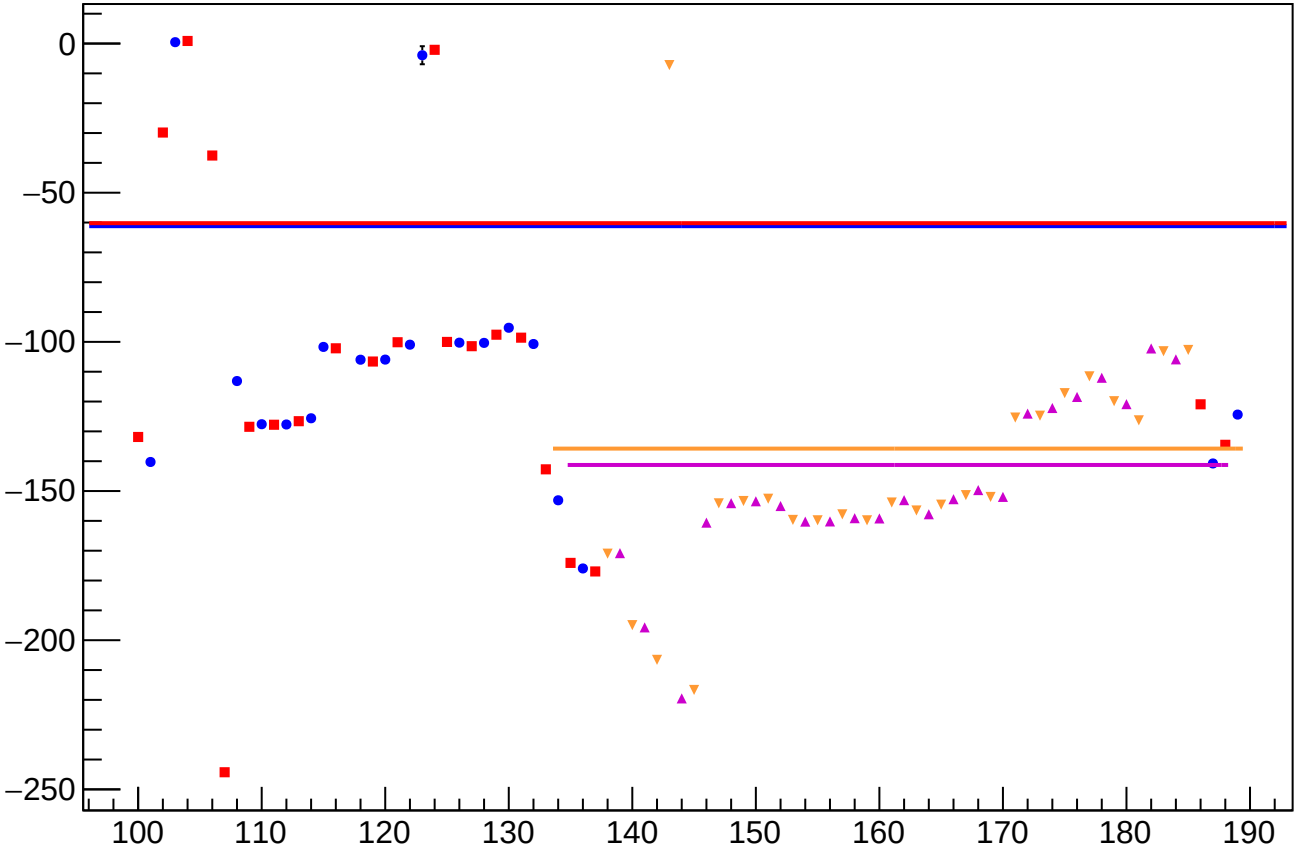
Left In: 62.290+/-0.971 $\chi^2$/NDF:411.6/22

+ sign 52.597+/-0.752 $\chi^2$/NDF: 1642.5/43

All: 51.509+/-0.532 $\chi^2$/NDF: 2990.6/87

- sign 50.416+/-0.754 $\chi^2$/NDF: 1343.9/43

# reg_asym_atl_avg_diff_bpm12X_slope vs Slug




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

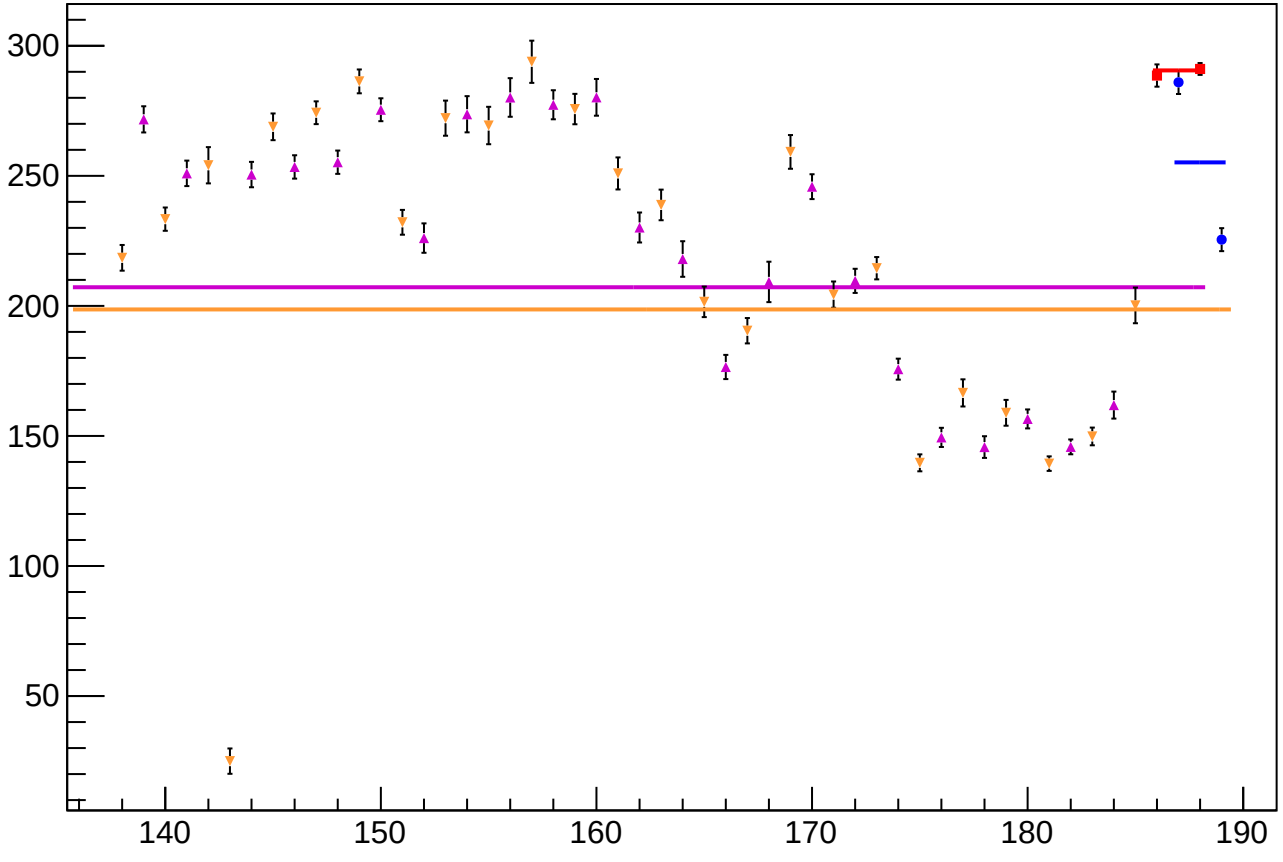
Left In: -141.259+/-0.045 $\chi^2$/NDF:350045.9/22

+ sign -109.304+/-0.036 $\chi^2$/NDF: 2893517.2/43

All: -110.048+/-0.025 $\chi^2$/NDF: 5575029.2/87

- sign -110.783+/-0.036 $\chi^2$/NDF: 2680656.5/43

# reg_asym_atl_dd_diff_bpm1X_slope vs Slug




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

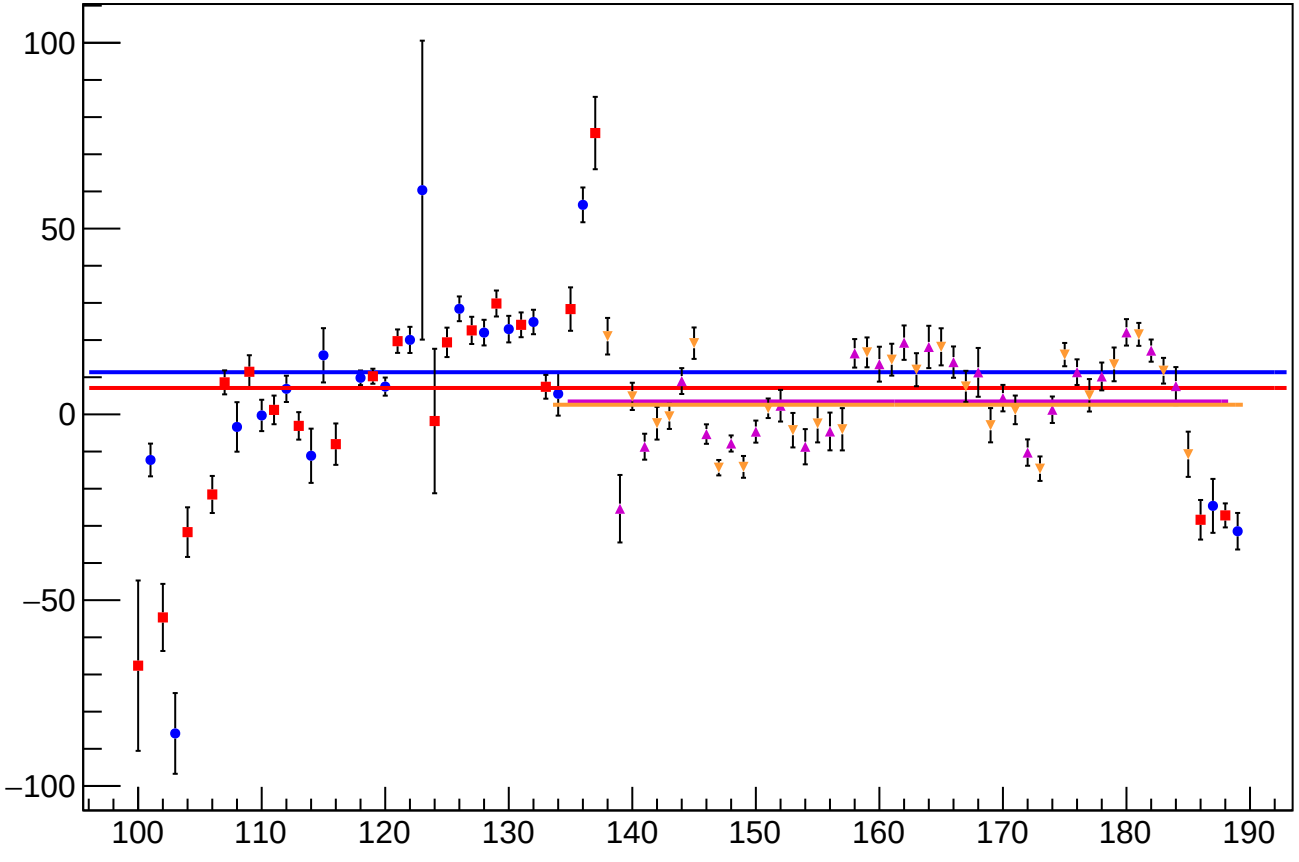
Left In: 207.171+/-0.986 $\chi^2$/NDF:2631.6/22

+ sign 203.493+/-0.924 $\chi^2$/NDF: 4532.8/26

All: 213.825+/-0.639 $\chi^2$/NDF: 8789.2/51

- sign 223.317+/-0.885 $\chi^2$/NDF: 4016.4/24

# reg_asym_atl_dd_diff_bpm4aY_slope vs Slug




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

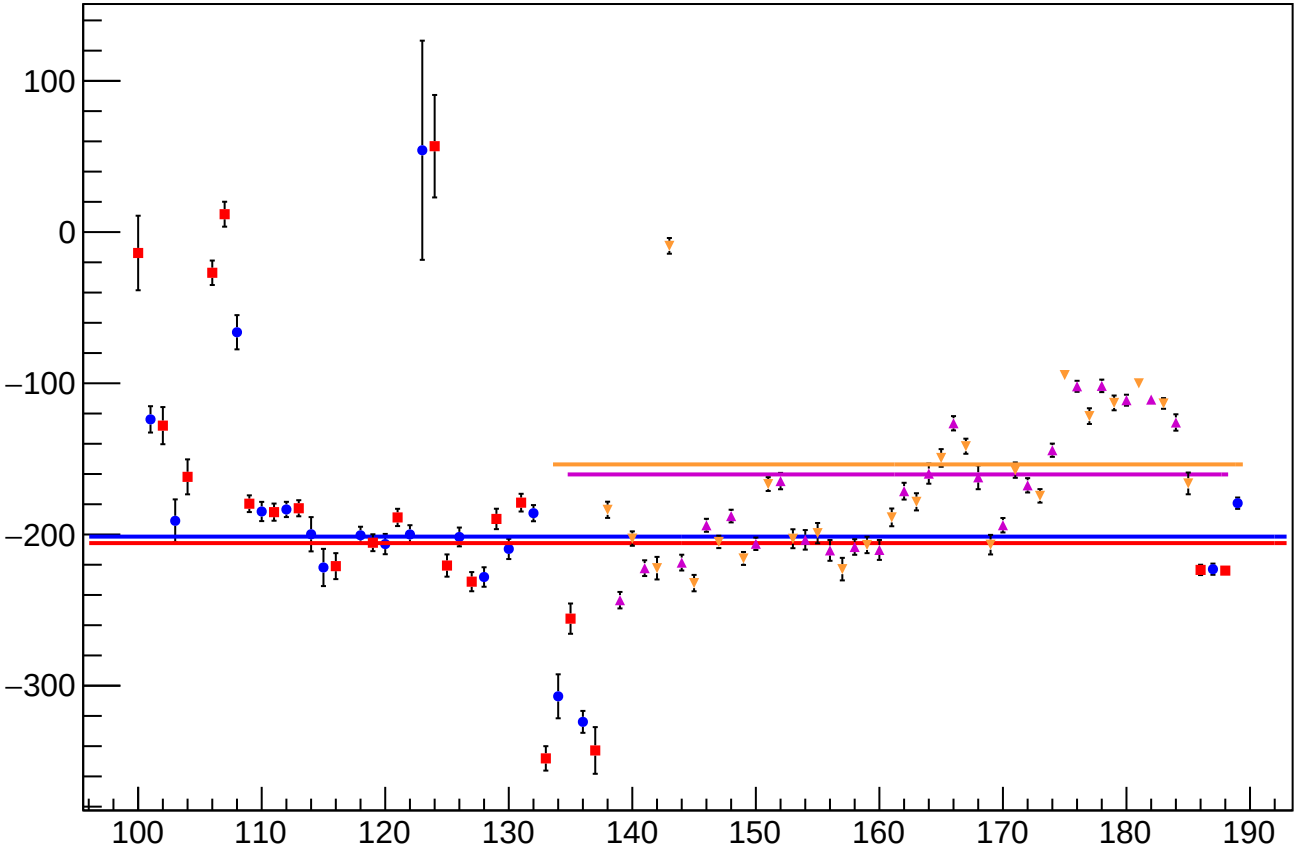
Left In: 3.478+/-0.772 $\chi^2$/NDF:194.7/22

+ sign 6.163+/-0.573 $\chi^2$/NDF: 731.3/43

All: 5.624+/-0.407 $\chi^2$/NDF: 1414.2/87

- sign 5.077+/-0.577 $\chi^2$/NDF: 681.0/43

# reg_asym_atl_dd_diff_bpm4eX_slope vs Slug




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

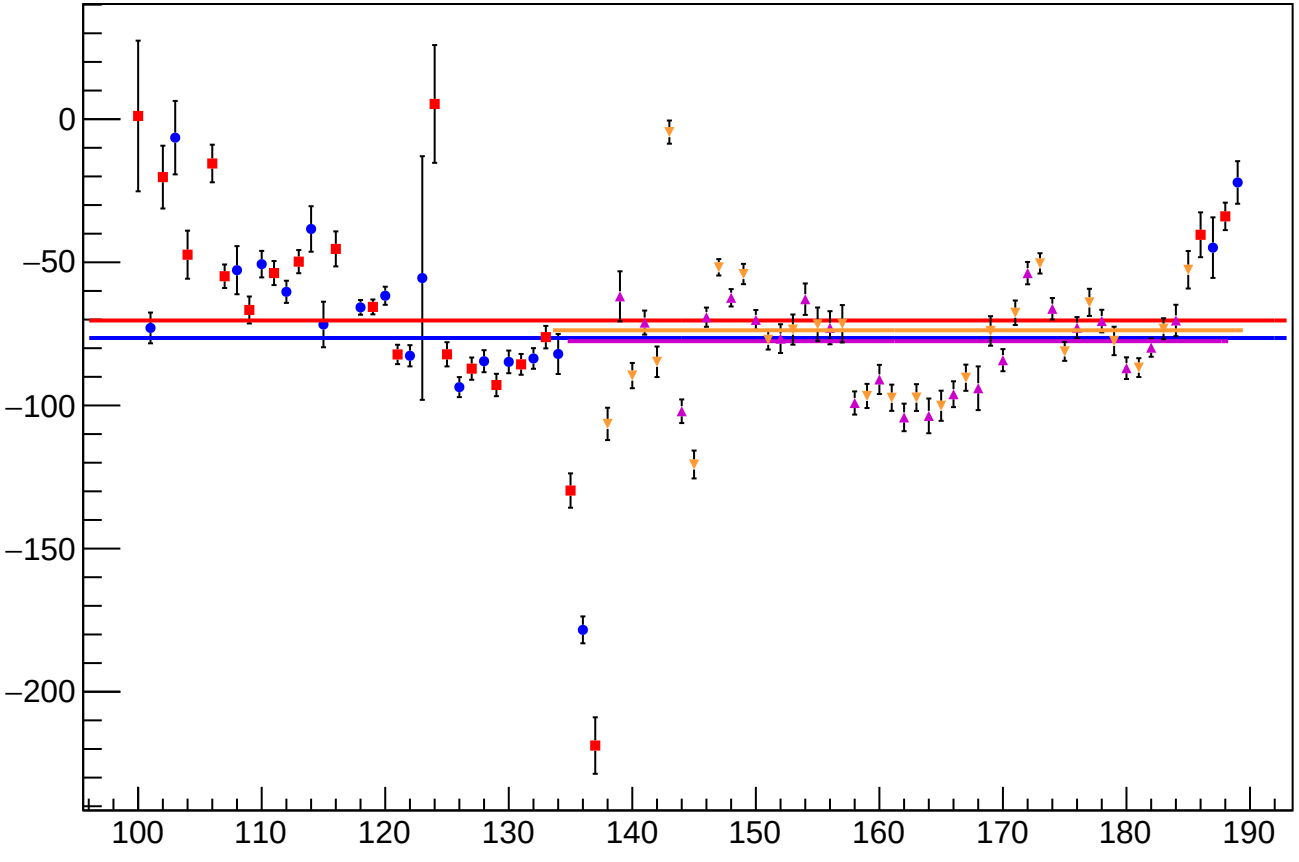
Left In: -160.279+/-0.985 $\chi^2$/NDF:2049.4/22

+ sign -168.071+/-0.810 $\chi^2$/NDF: 4355.3/43

All: -173.969+/-0.552 $\chi^2$/NDF: 9395.7/87

- sign -179.076+/-0.754 $\chi^2$/NDF: 4941.6/43

# reg_asym_atl_dd_diff_bpm4eY_slope vs Slug




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

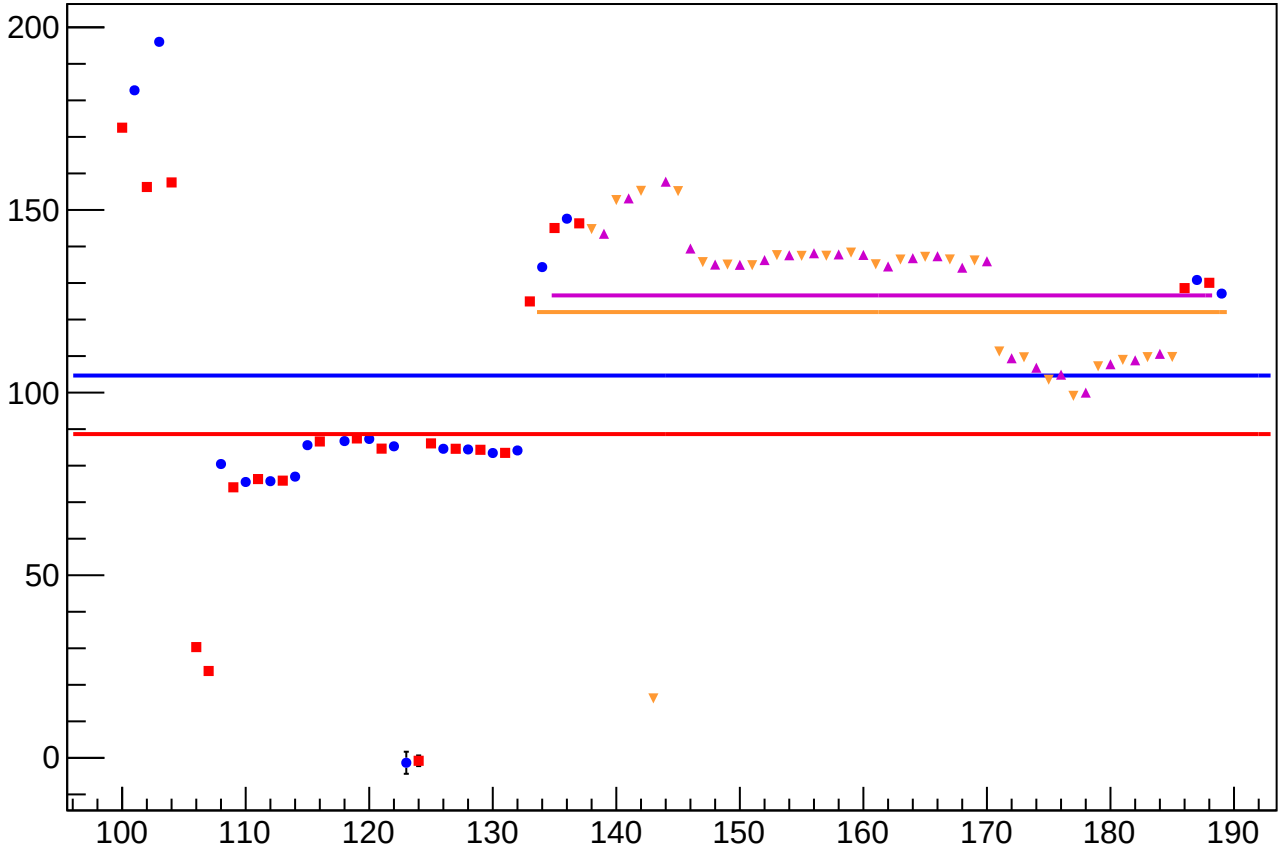
Left In: -77.545+/-0.880 $\chi^2$/NDF:252.7/22

+ sign -74.817+/-0.663 $\chi^2$/NDF: 1454.6/43

All: -74.641+/-0.470 $\chi^2$/NDF: 2419.9/87

- sign -74.462+/-0.666 $\chi^2$/NDF: 965.2/43

# reg_asym_atl_dd_diff_bpm12X_slope vs Slug




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

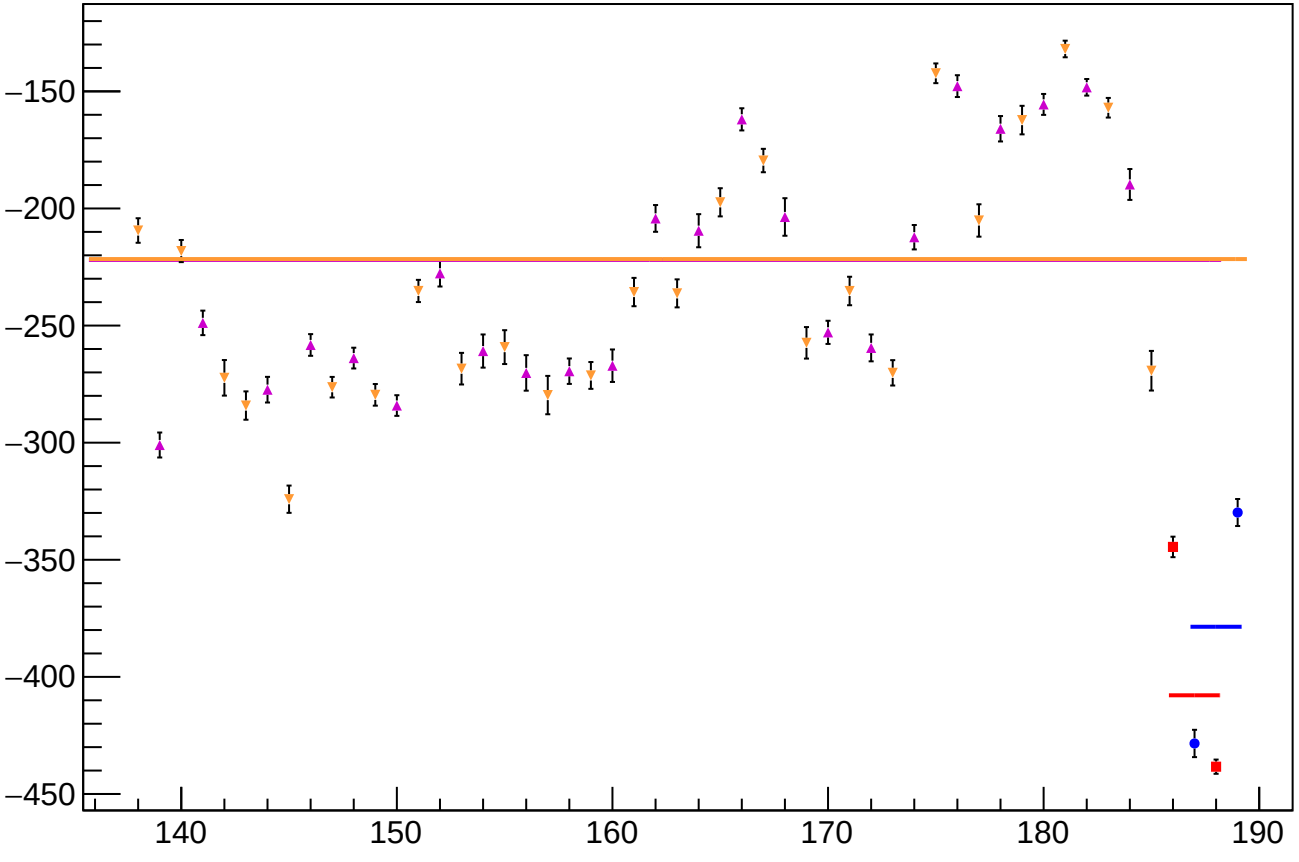
Left In: 126.605+/-0.041 $\chi^2$/NDF:164757.9/22

+ sign 117.527+/-0.035 $\chi^2$/NDF: 767051.8/43

All: 116.173+/-0.024 $\chi^2$/NDF: 1663303.5/87

- sign 114.879+/-0.034 $\chi^2$/NDF: 893287.4/43

# reg_asym_atr_avg_diff_bpm1X_slope vs Slug




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

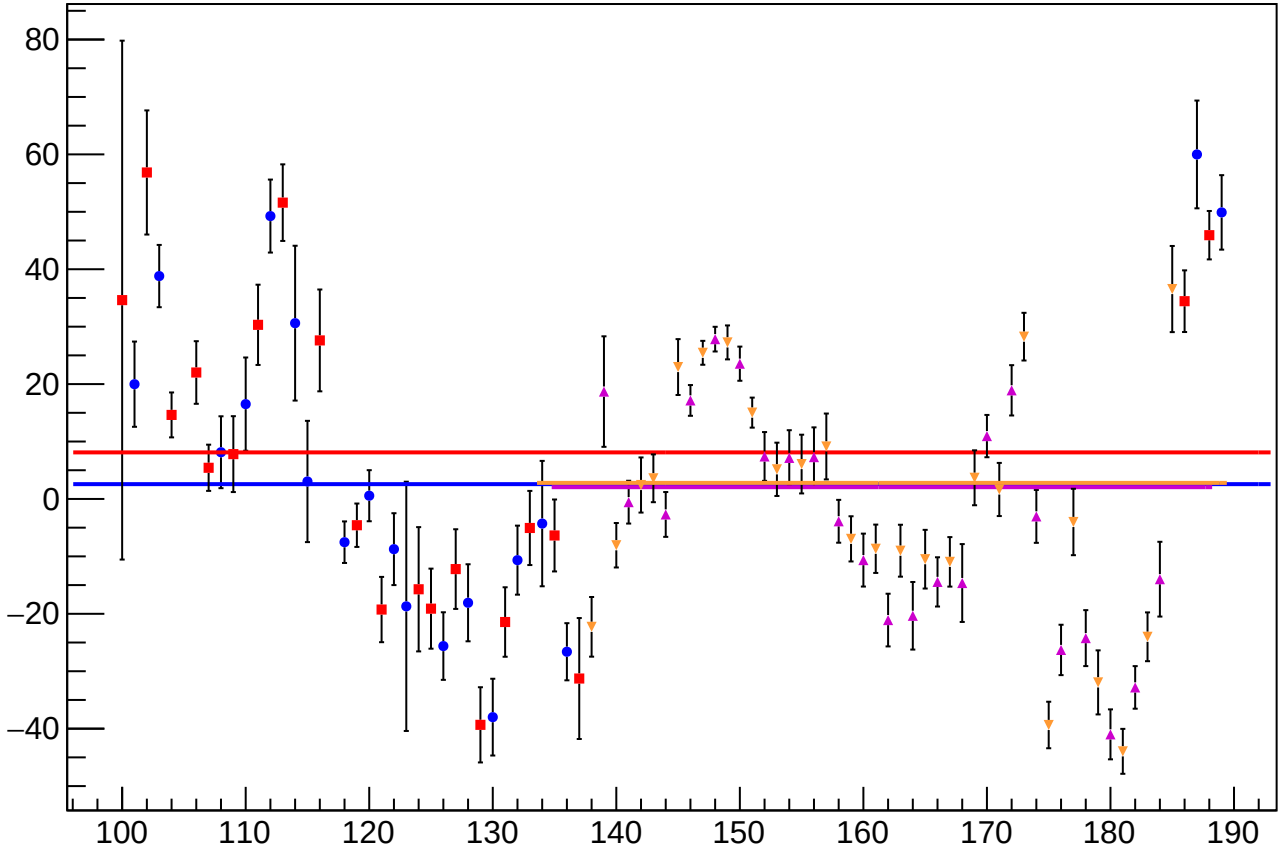
Left In: -221.980+/-1.098 $\chi^2$/NDF:2190.6/22

+ sign -231.913+/-1.051 $\chi^2$/NDF: 4079.1/26

All: -242.471+/-0.726 $\chi^2$/NDF: 11420.3/51

- sign -252.128+/-1.005 $\chi^2$/NDF: 7147.9/24

# reg_asym_atr_avg_diff_bpm4aY_slope vs Slug




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

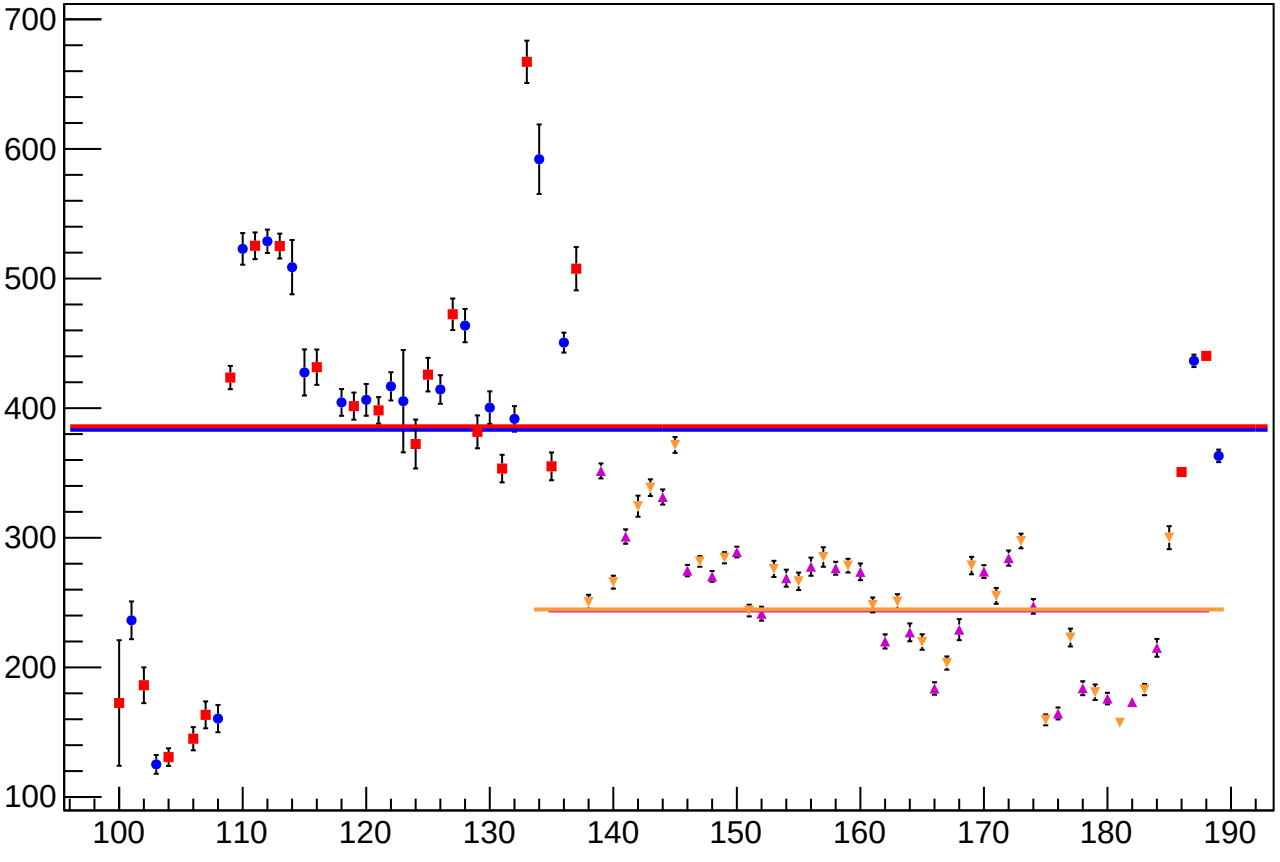
Left In: 2.050+/-0.833 $\chi^2$/NDF:592.6/22

+ sign 2.747+/-0.708 $\chi^2$/NDF: 1009.6/43

All: 3.294+/-0.498 $\chi^2$/NDF: 1974.2/87

- sign 3.829+/-0.700 $\chi^2$/NDF: 963.5/43

# reg_asym_atr_avg_diff_bpm4eX_slope vs Slug




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

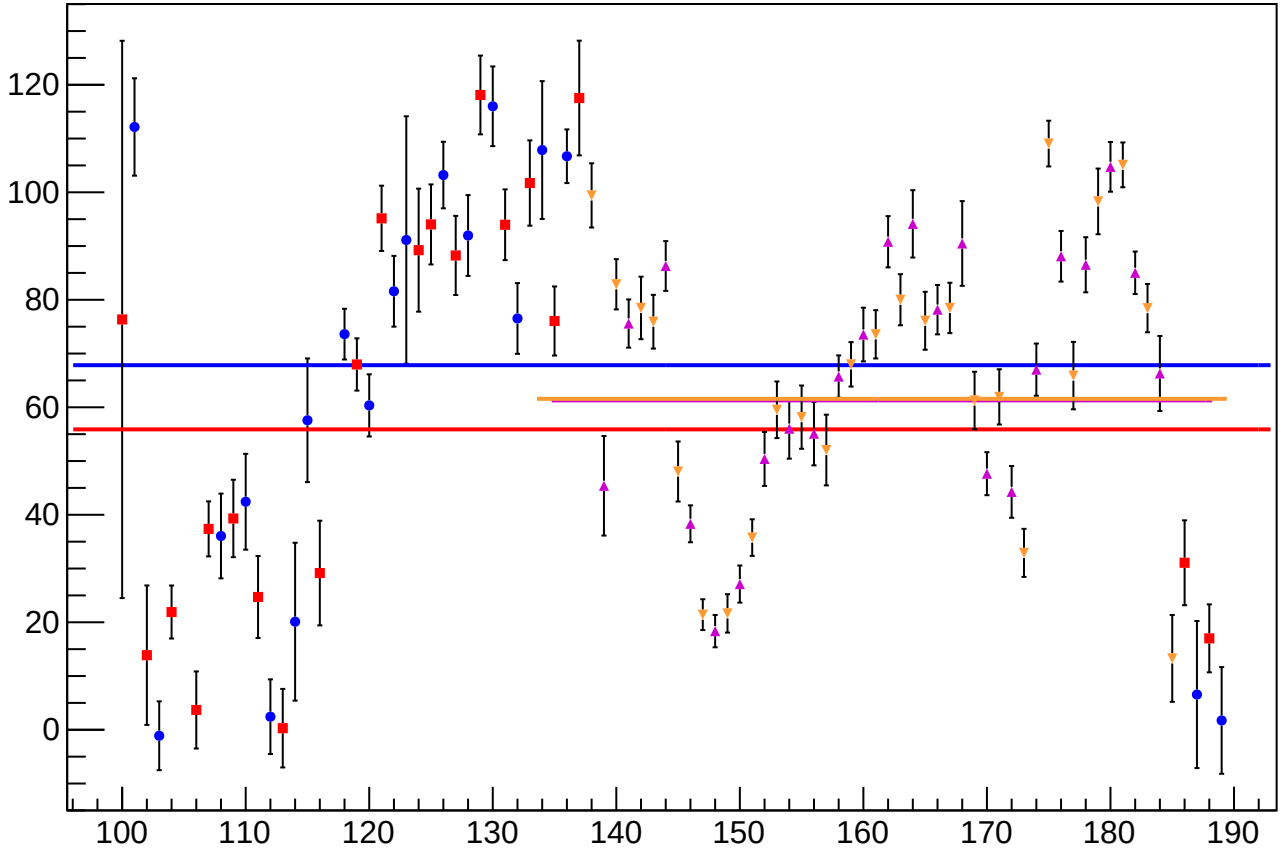
Left In: 243.933+/-1.090 $\chi^2$/NDF:2294.8/22

+ sign 272.968+/-0.968 $\chi^2$/NDF: 8485.5/43

All: 282.070+/-0.658 $\chi^2$/NDF: 20707.4/87

- sign 289.883+/-0.897 $\chi^2$/NDF: 12057.5/43

# reg_asym_atr_avg_diff_bpm4eY_slope vs Slug




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

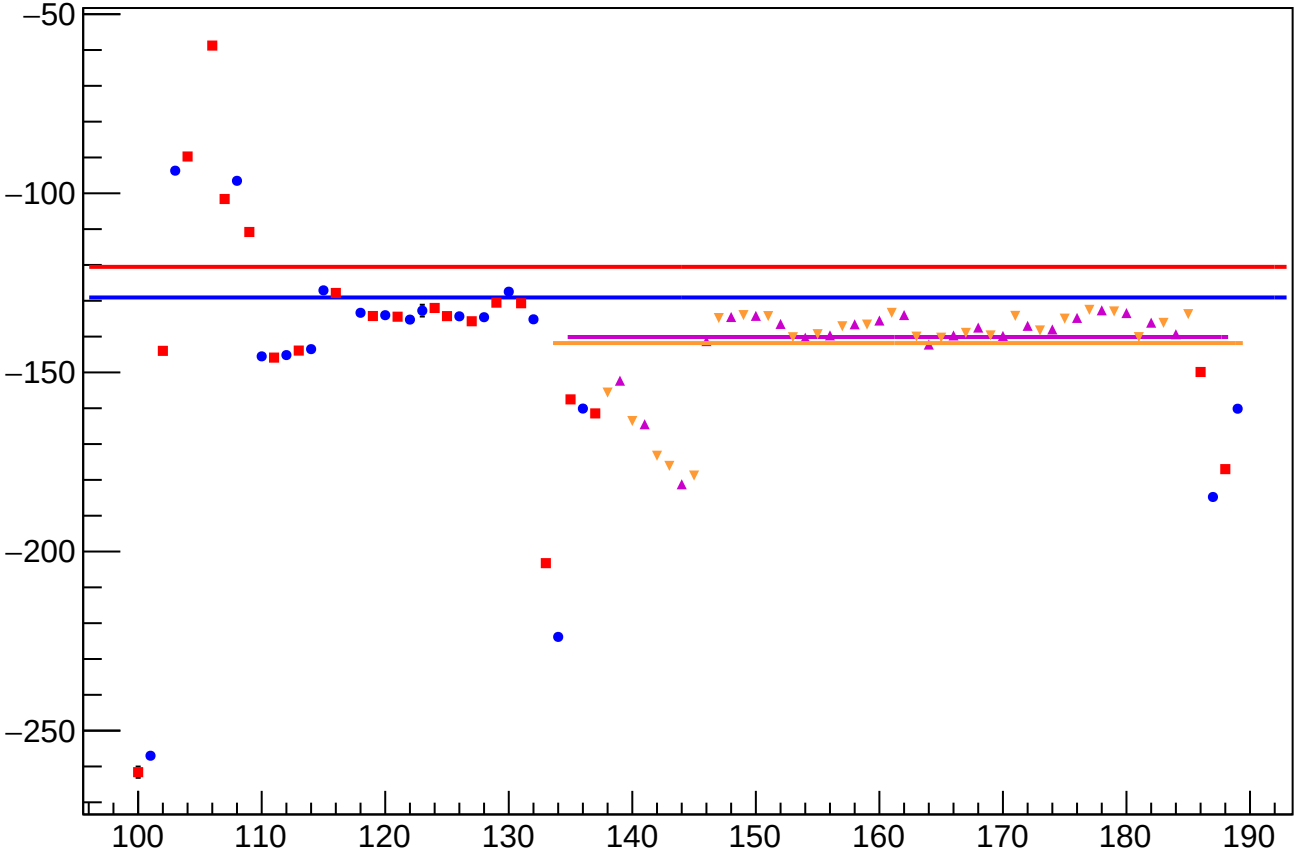
Left In: 61.286+/-0.959 $\chi^2$/NDF:702.8/22

+ sign 63.033+/-0.822 $\chi^2$/NDF: 1375.1/43

All: 61.400+/-0.579 $\chi^2$/NDF: 2638.0/87

- sign 59.794+/-0.815 $\chi^2$/NDF: 1255.1/43

# reg_asym_atr_avg_diff_bpm12X_slope vs Slug




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

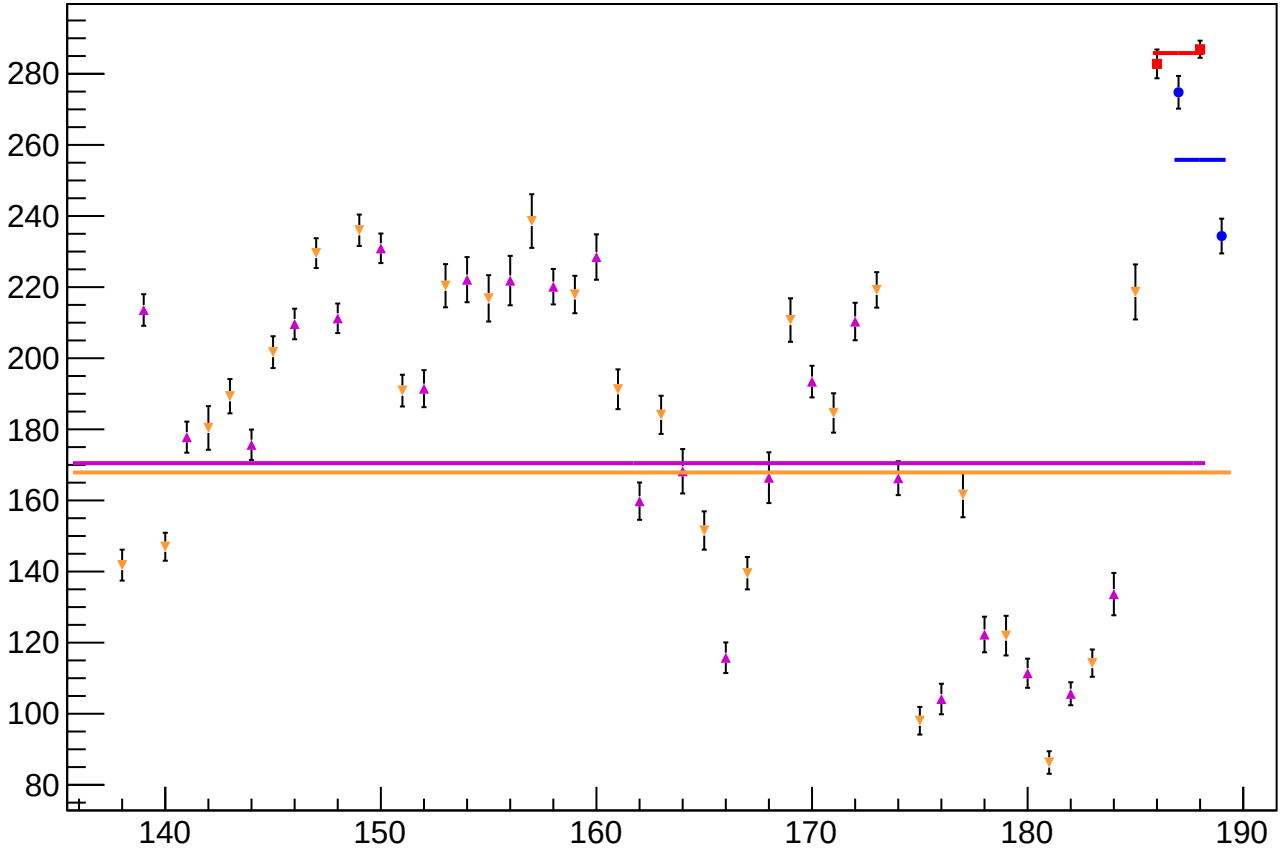
Left In: -140.112+/-0.045 $\chi^2$/NDF:48400.6/22

+ sign -139.149+/-0.040 $\chi^2$/NDF: 272110.5/43

All: -137.238+/-0.028 $\chi^2$/NDF: 572755.9/87

- sign -135.401+/-0.039 $\chi^2$/NDF: 296134.6/43

# reg_asym_atr_dd_diff_bpm1X_slope vs Slug




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

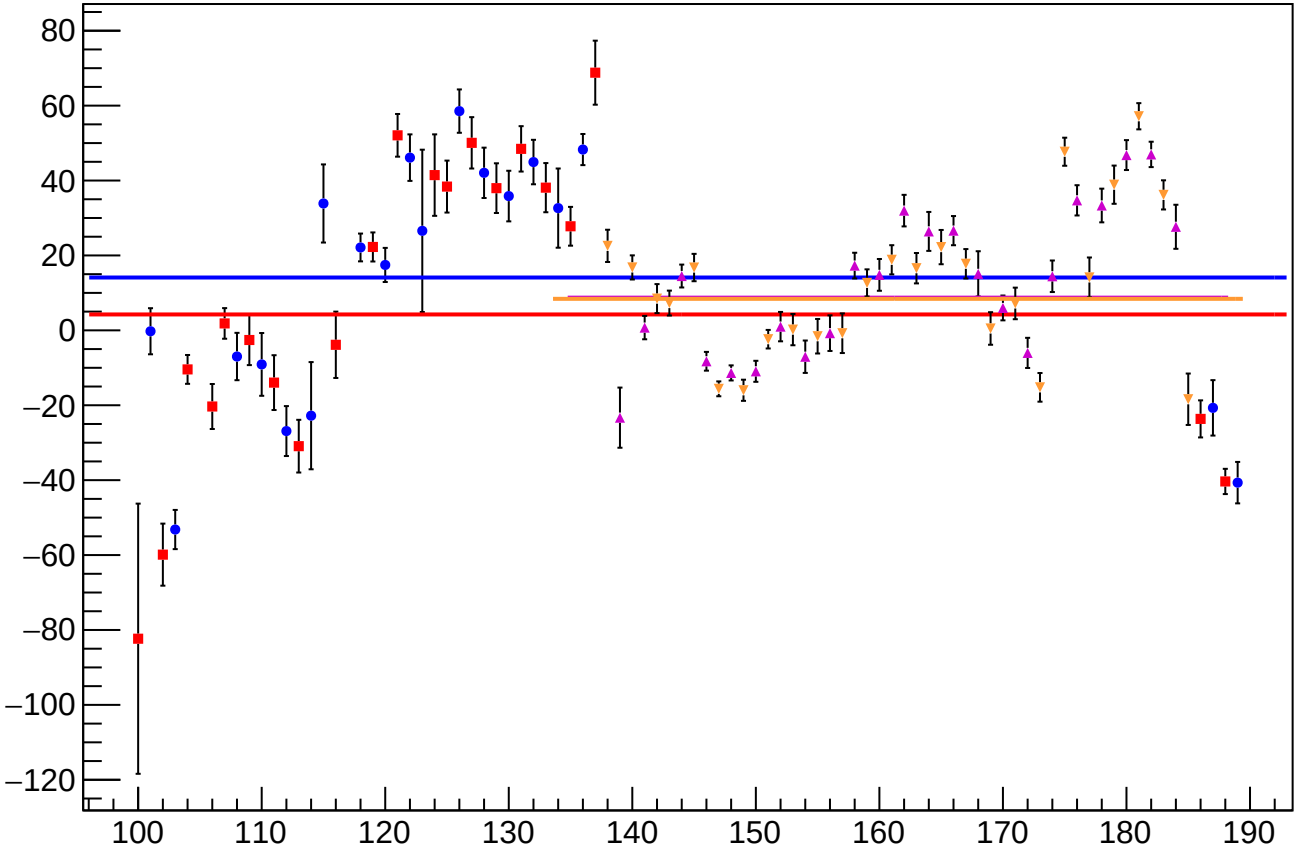
Left In: 170.487+/-0.991 $\chi^2$/NDF:2036.5/22

+ sign 174.712+/-0.935 $\chi^2$/NDF: 3136.8/26

All: 183.727+/-0.646 $\chi^2$/NDF: 7875.0/51

- sign 191.975+/-0.894 $\chi^2$/NDF: 4560.1/24

# reg_asym_atr_dd_diff_bpm4aY_slope vs Slug




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

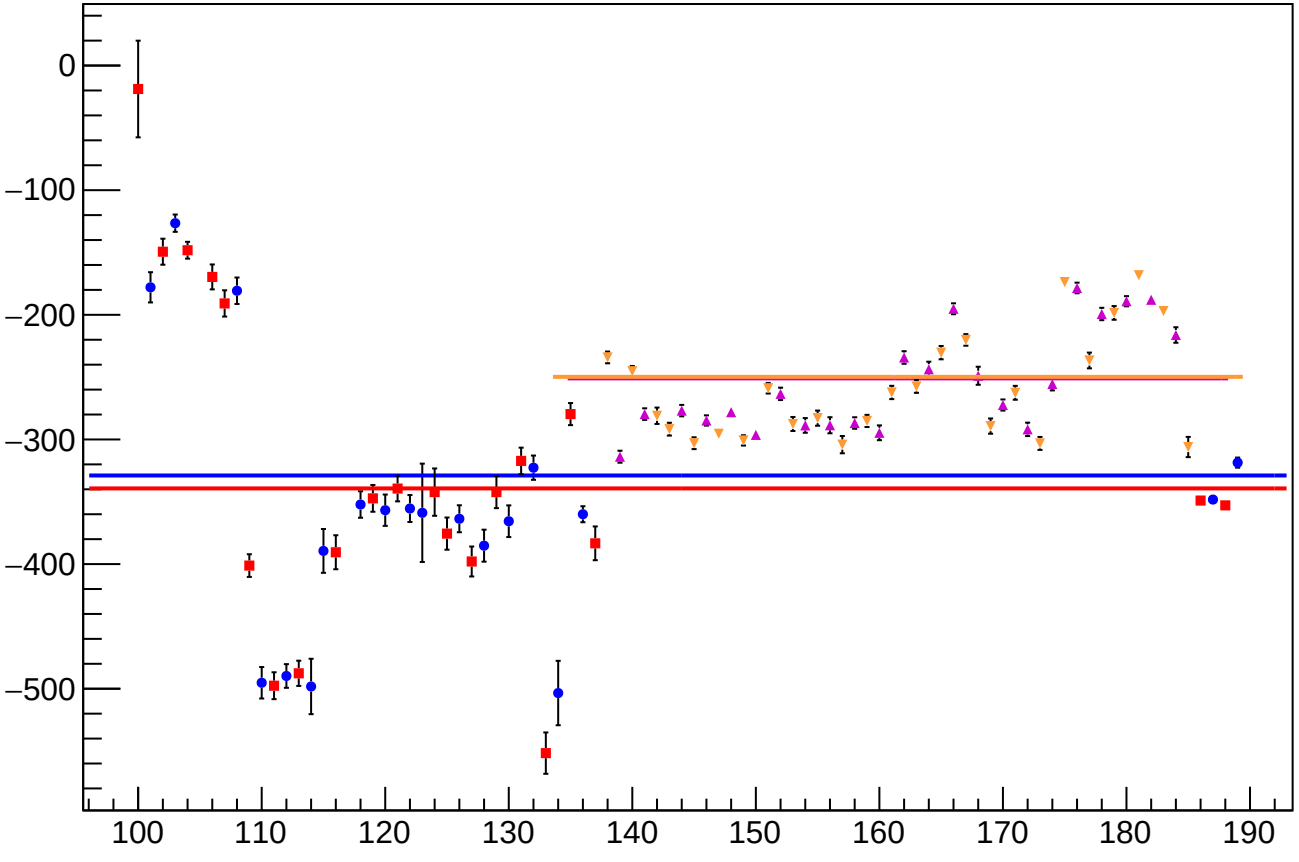
Left In: 8.730+/-0.757 $\chi^2$/NDF:630.1/22

+ sign 9.630+/-0.648 $\chi^2$/NDF: 1337.5/43

All: 8.572+/-0.458 $\chi^2$/NDF: 2675.4/87

- sign 7.520+/-0.647 $\chi^2$/NDF: 1332.5/43

# reg_asym_atr_dd_diff_bpm4eX_slope vs Slug




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

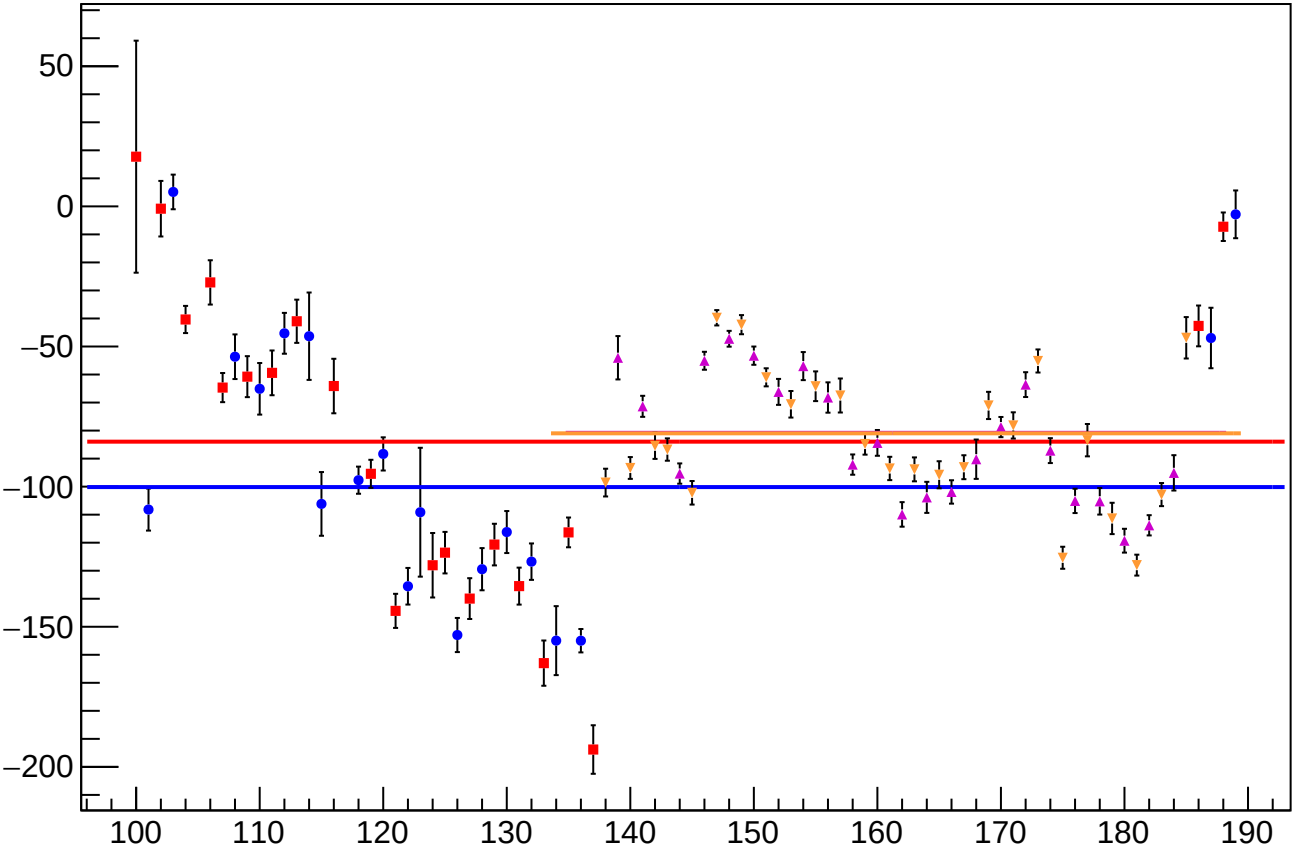
Left In: -251.002+/-0.987 $\chi^2$/NDF:1958.3/22

+ sign -265.982+/-0.869 $\chi^2$/NDF: 5469.8/43

All: -273.907+/-0.590 $\chi^2$/NDF: 12764.5/87

- sign -280.682+/-0.804 $\chi^2$/NDF: 7140.5/43

# reg_asym_atr_dd_diff_bpm4eY_slope vs Slug




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

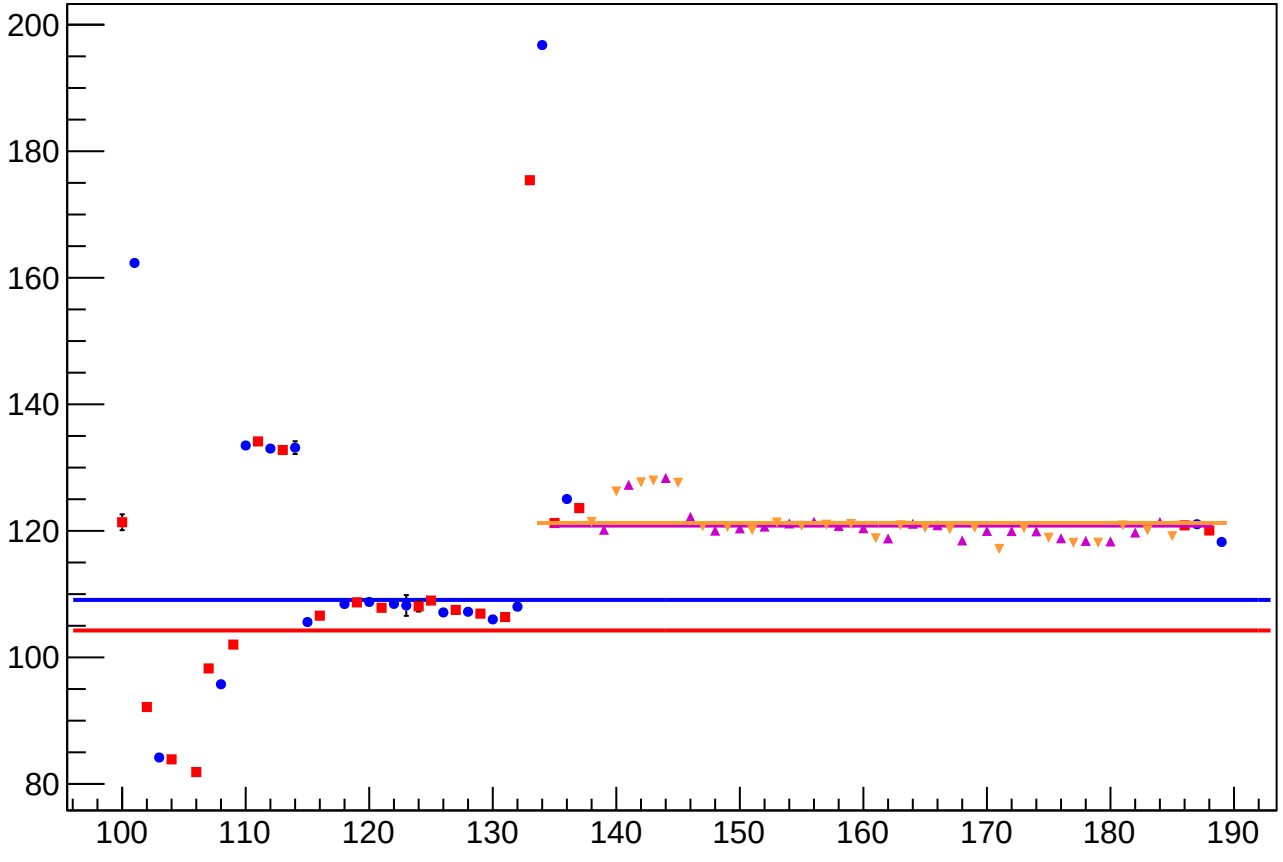
Left In: -80.803+/-0.870 $\chi^2$/NDF:695.4/22

+ sign -85.006+/-0.752 $\chi^2$/NDF: 1920.5/43

All: -83.301+/-0.532 $\chi^2$/NDF: 3752.0/87

- sign -81.593+/-0.753 $\chi^2$/NDF: 1821.3/43

# reg_asym_atr_dd_diff_bpm12X_slope vs Slug




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

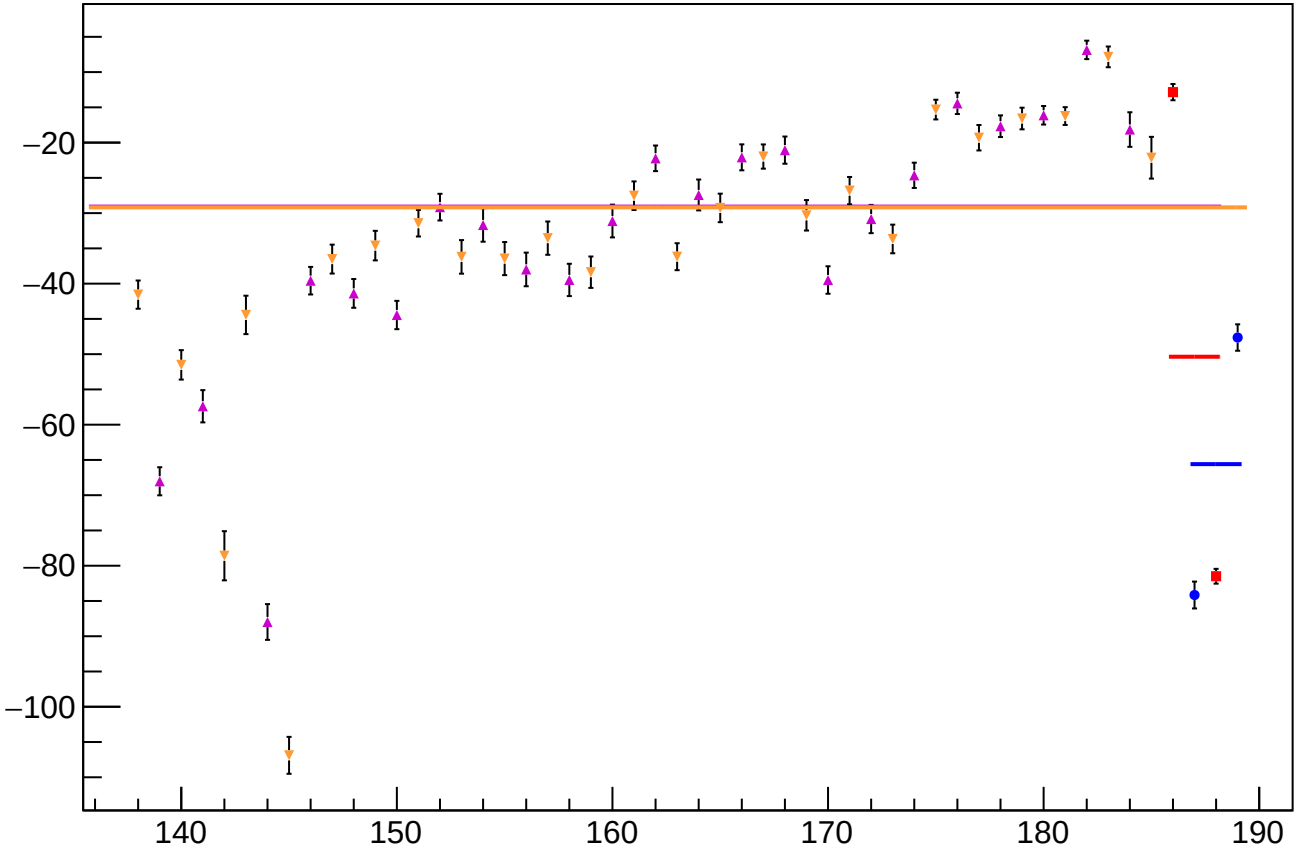
Left In: 120.834+/-0.041 $\chi^2$/NDF:3372.4/22

+ sign 118.899+/-0.036 $\chi^2$/NDF: 96730.0/43

All: 118.006+/-0.025 $\chi^2$/NDF: 196552.4/87

- sign 117.133+/-0.036 $\chi^2$/NDF: 98614.4/43

# reg_asym_at1_avg_diff_bpm1X_slope vs Slug




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

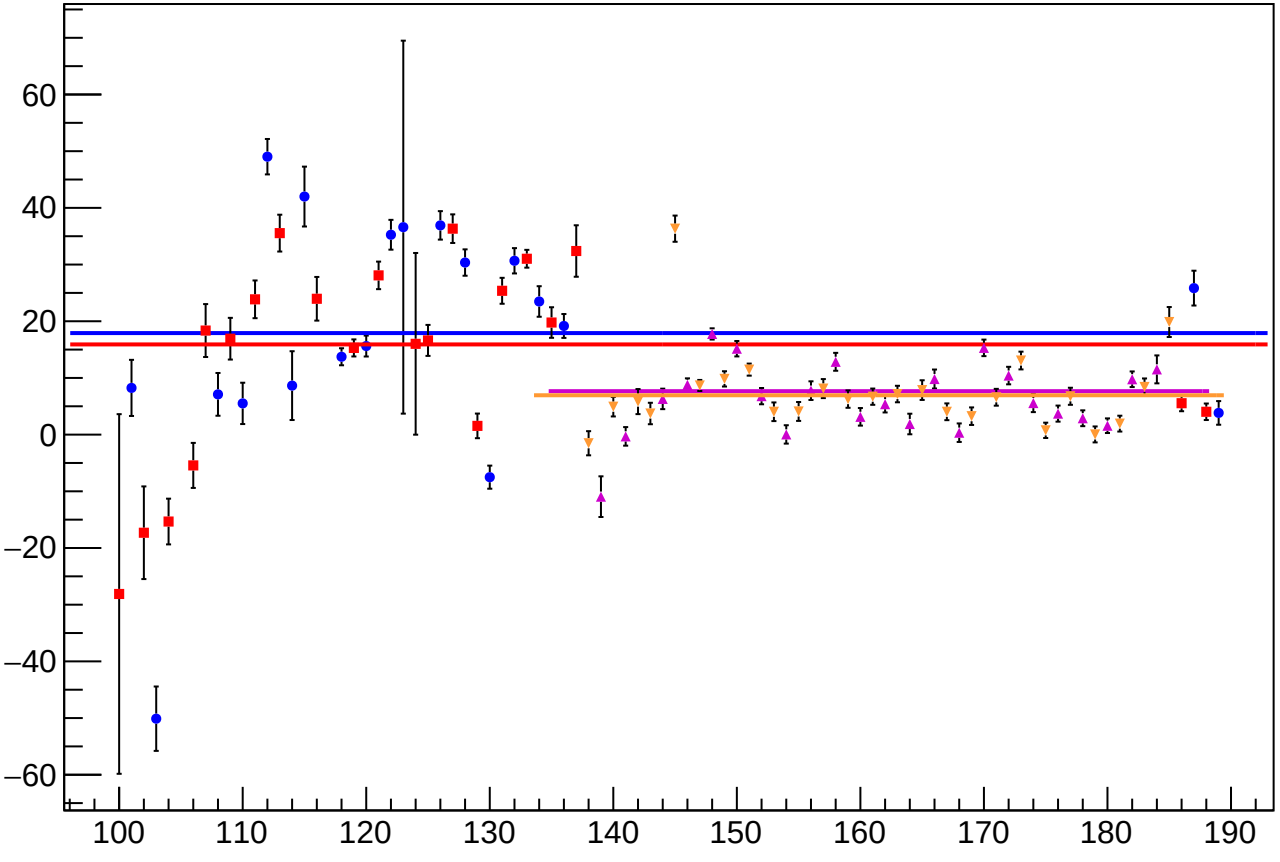
Left In: -29.073+/-0.394 $\chi^2$/NDF:1872.4/22

+ sign -32.029+/-0.374 $\chi^2$/NDF: 2751.4/26

All: -32.776+/-0.256 $\chi^2$/NDF: 7171.2/51

- sign -33.436+/-0.351 $\chi^2$/NDF: 4412.3/24

# reg_asym_at1_avg_diff_bpm4aY_slope vs Slug




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

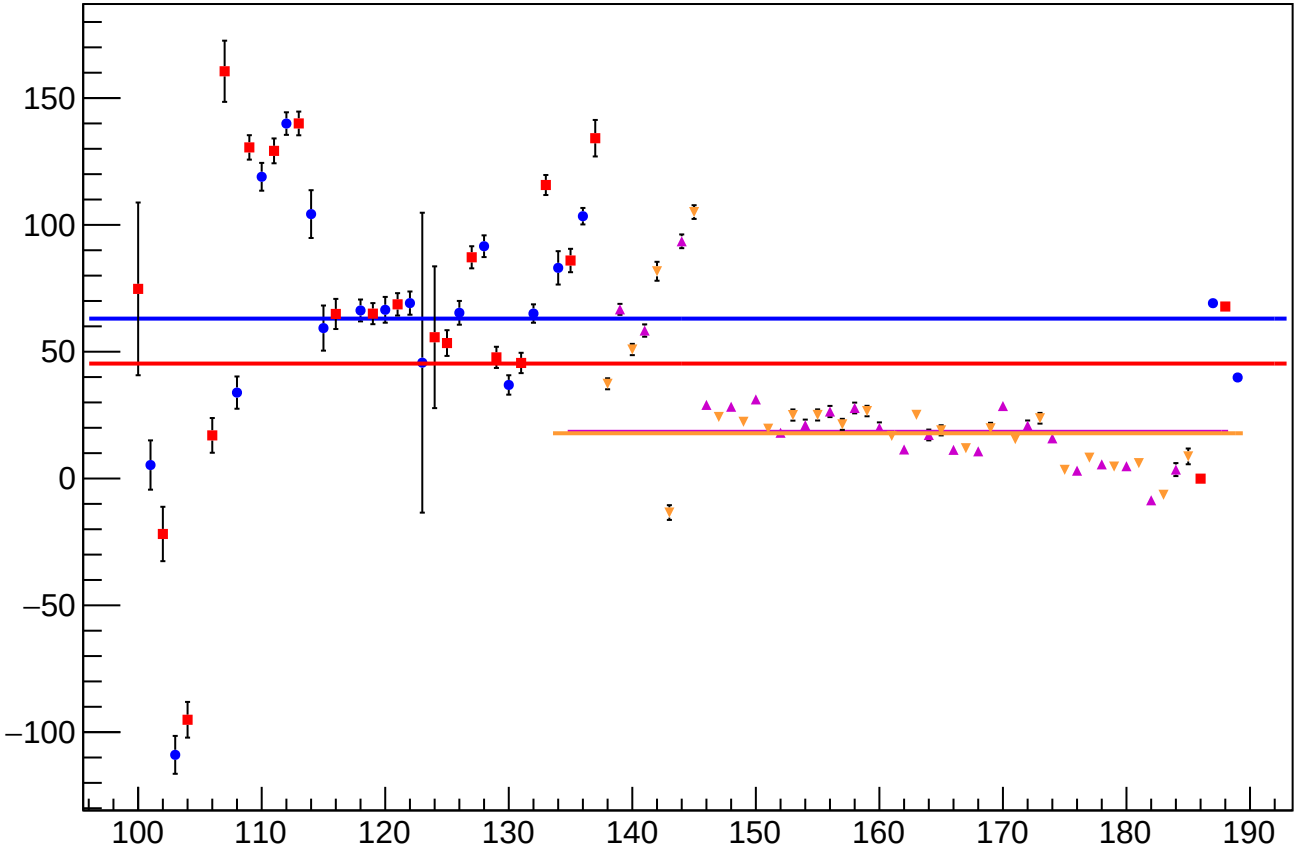
Left In: 7.666+/-0.313 $\chi^2$/NDF:341.1/22

+ sign 9.162+/-0.271 $\chi^2$/NDF: 1260.3/43

All: 9.440+/-0.192 $\chi^2$/NDF: 2310.6/87

- sign 9.717+/-0.271 $\chi^2$/NDF: 1048.2/43

# reg_asym_at1_avg_diff_bpm4eX_slope vs Slug




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

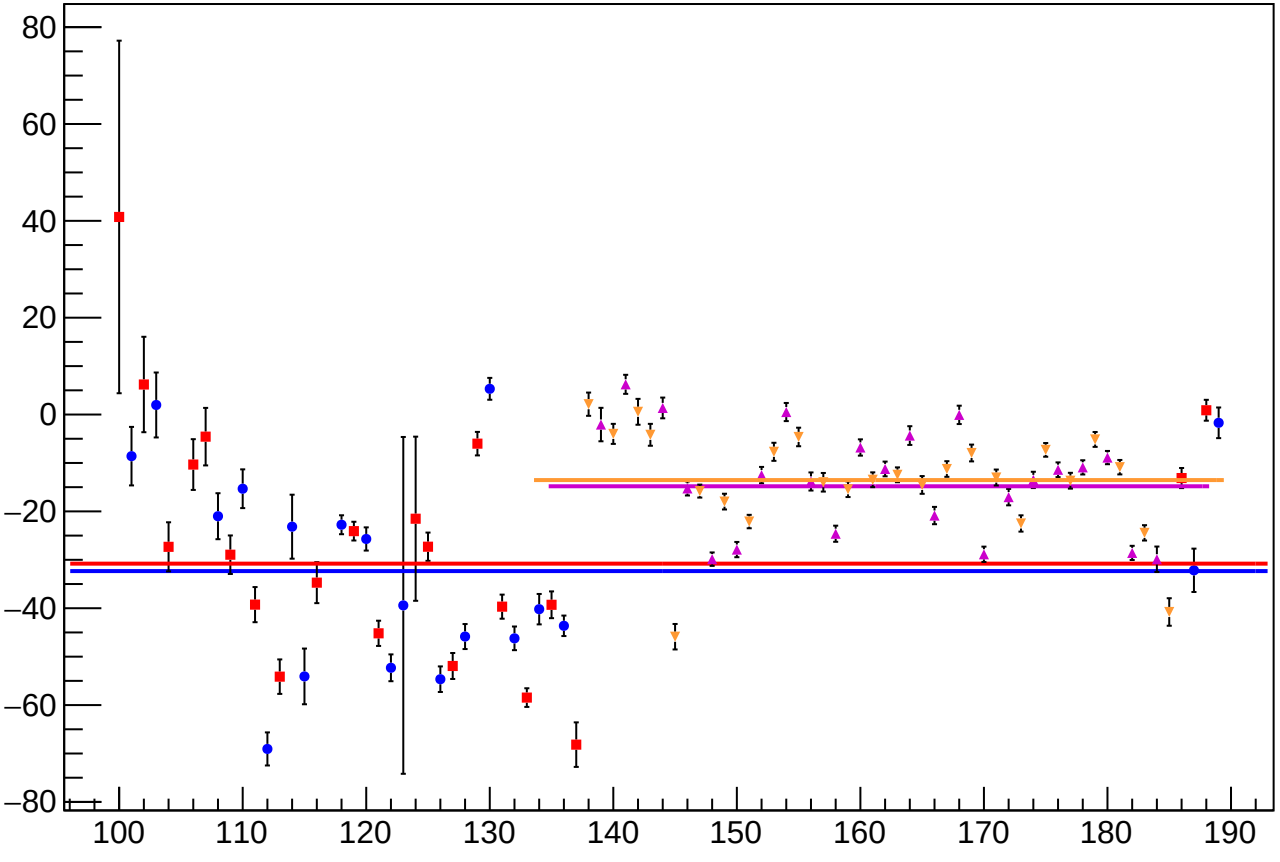
Left In: 18.416+/-0.391 $\chi^2$/NDF:2468.4/22

+ sign 26.002+/-0.351 $\chi^2$/NDF: 6346.1/43

All: 26.739+/-0.236 $\chi^2$/NDF: 15797.2/87

- sign 27.351+/-0.320 $\chi^2$/NDF: 9443.0/43

# reg_asym_at1_avg_diff_bpm4eY_slope vs Slug




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

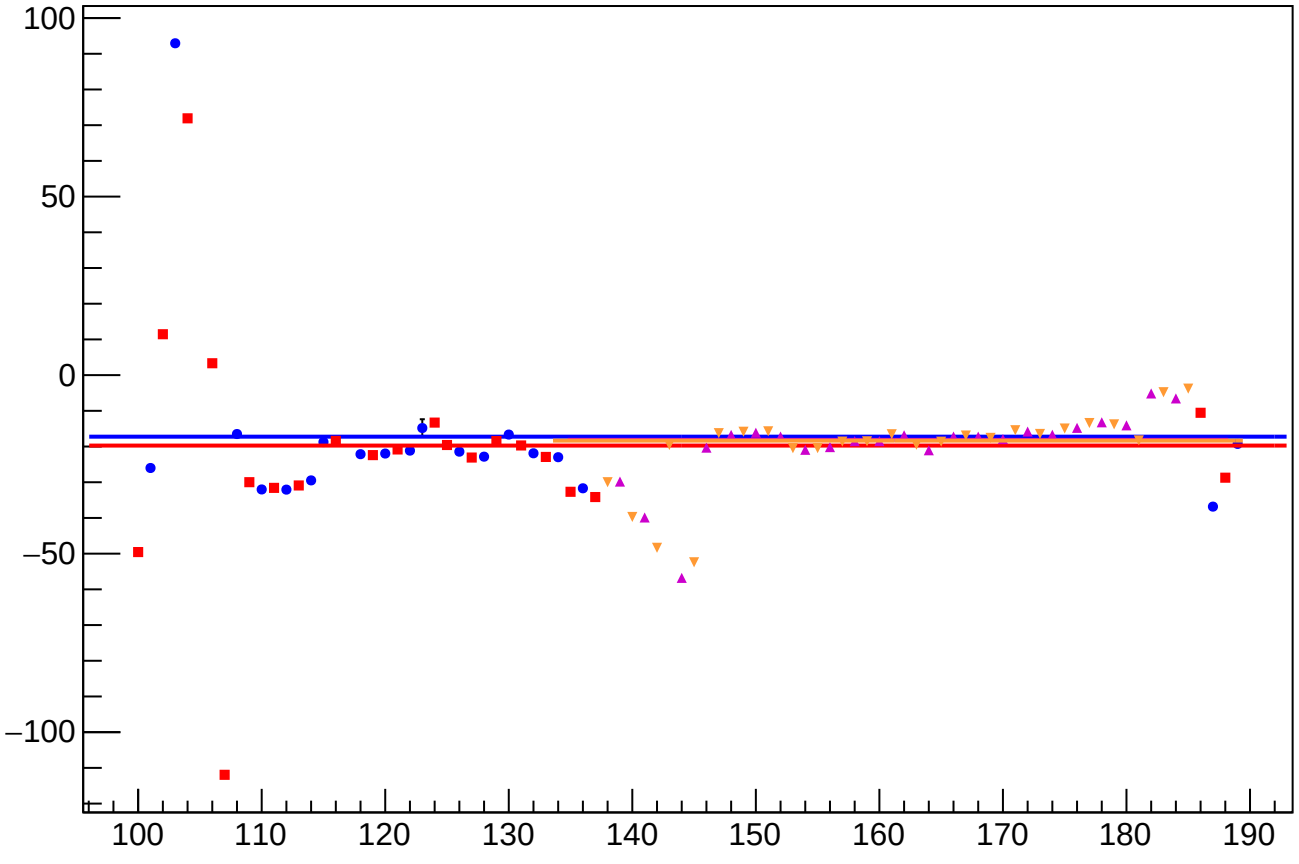
Left In: -14.815+/-0.353 $\chi^2$/NDF:838.2/22

+ sign -17.135+/-0.310 $\chi^2$/NDF: 1962.6/43

All: -17.746+/-0.220 $\chi^2$/NDF: 4159.3/87

- sign -18.363+/-0.311 $\chi^2$/NDF: 2188.9/43

# reg_asym_at1_avg_diff_bpm12X_slope vs Slug




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

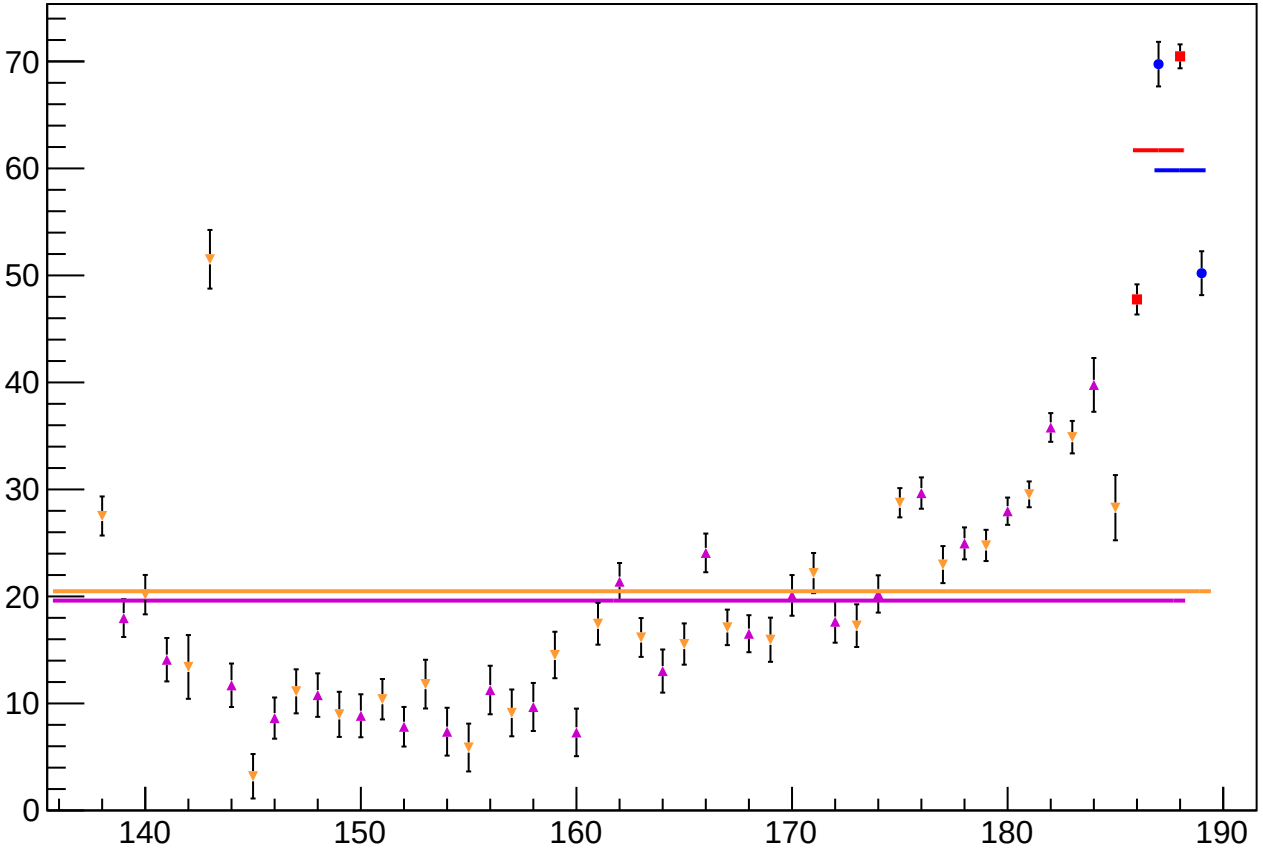
Left In: -18.135+/-0.016 $\chi^2$/NDF:245650.3/22

+ sign -18.198+/-0.015 $\chi^2$/NDF: 765364.7/43

All: -18.276+/-0.011 $\chi^2$/NDF: 1457936.2/87

- sign -18.355+/-0.015 $\chi^2$/NDF: 692515.4/43

# reg_asym_at1_dd_diff_bpm1X_slope vs Slug




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

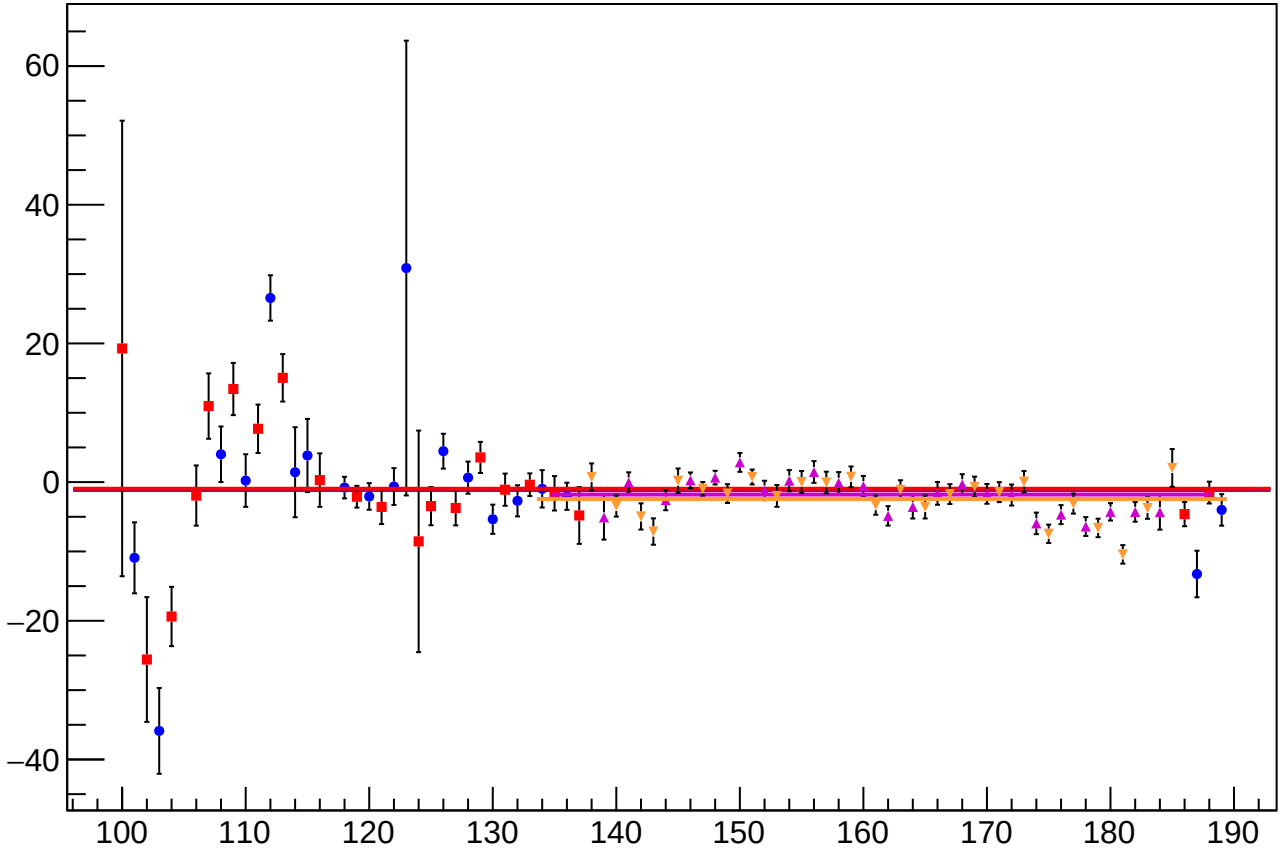
Left In: 19.612+/-0.379 $\chi^2$/NDF:572.7/22

+ sign 22.900+/-0.362 $\chi^2$/NDF: 1341.0/26

All: 24.636+/-0.251 $\chi^2$/NDF: 4062.2/51

- sign 26.237+/-0.348 $\chi^2$/NDF: 2676.9/24

# reg_asym_at1_dd_diff_bpm4aY_slope vs Slug




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

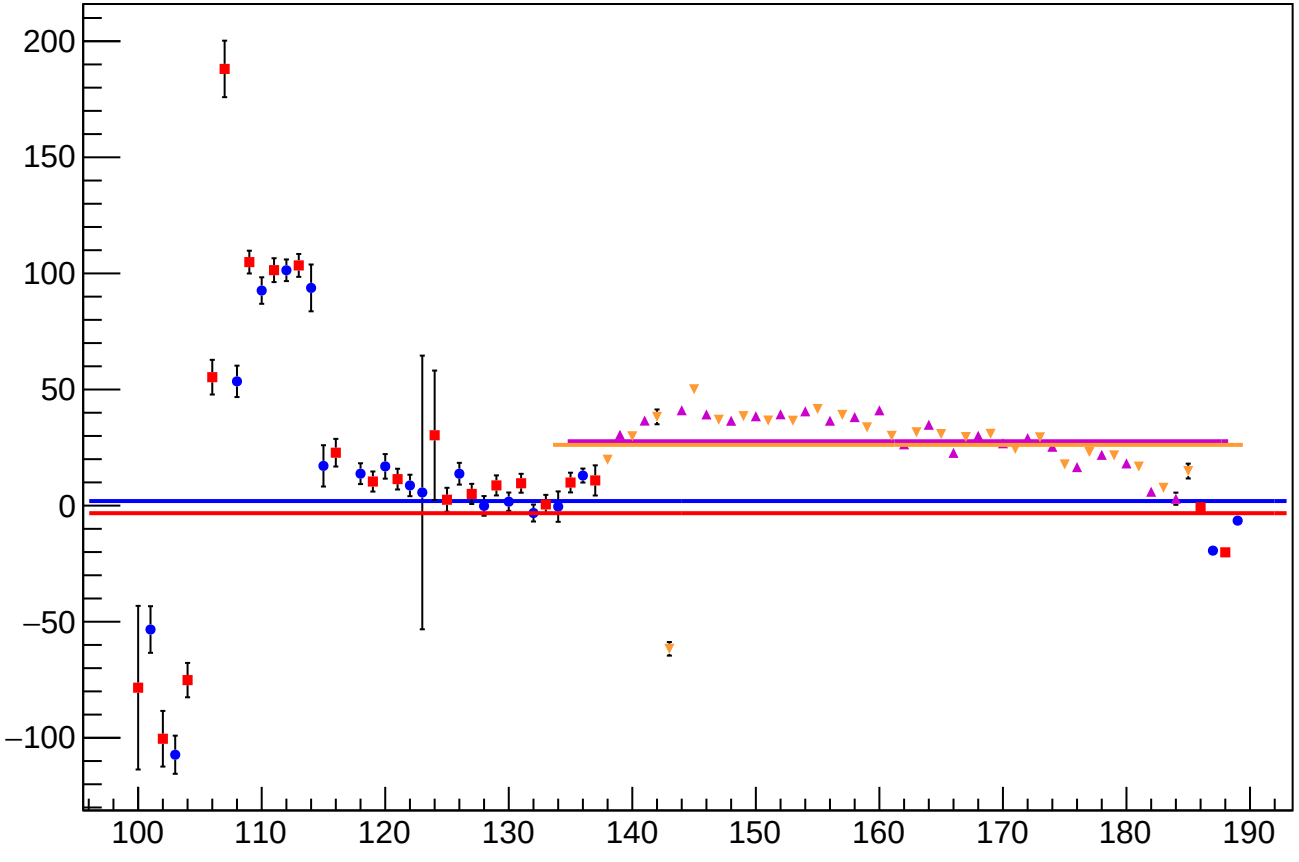
Left In: -1.791+/-0.301 $\chi^2$/NDF:70.1/22

+ sign -2.187+/-0.265 $\chi^2$/NDF: 243.2/43

All: -1.901+/-0.188 $\chi^2$/NDF: 406.4/87

- sign -1.611+/-0.267 $\chi^2$/NDF: 160.8/43

# reg_asym_at1_dd_diff_bpm4eX_slope vs Slug




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

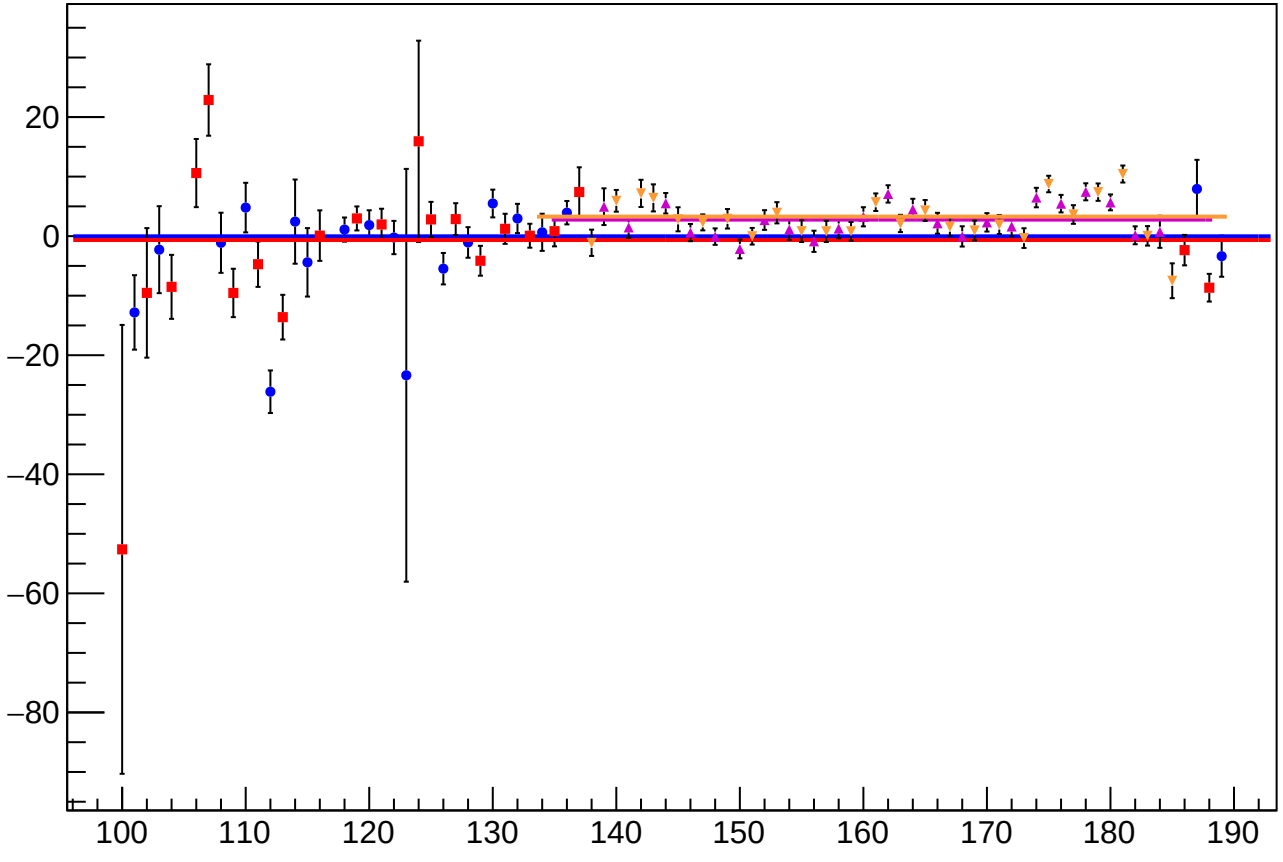
Left In: 27.725+/-0.377 $\chi^2$/NDF:805.1/22

+ sign 22.422+/-0.343 $\chi^2$/NDF: 3504.7/43

All: 20.721+/-0.234 $\chi^2$/NDF: 8487.6/87

- sign 19.230+/-0.321 $\chi^2$/NDF: 4936.7/43

# reg_asym_at1_dd_diff_bpm4eY_slope vs Slug




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

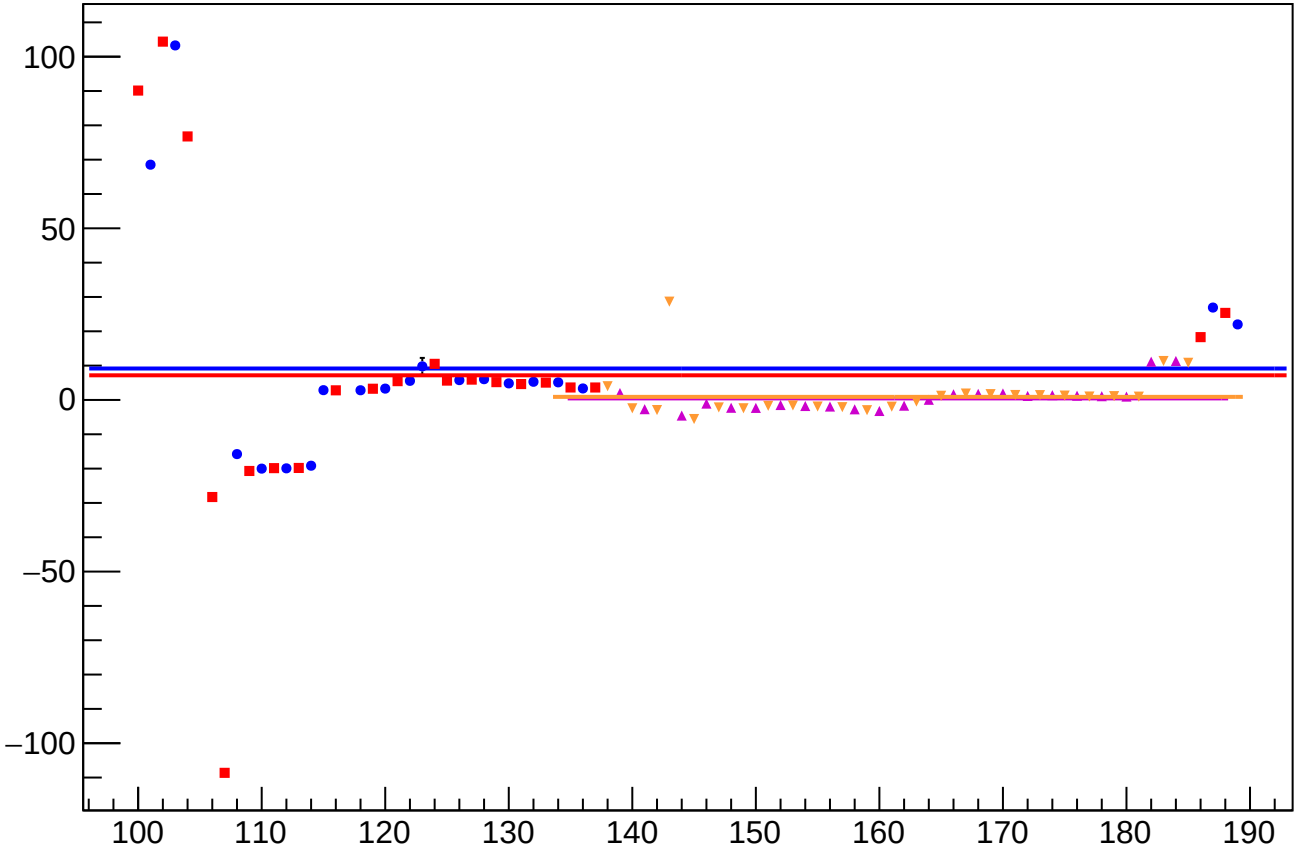
Left In: 2.777+/-0.340 $\chi^2$/NDF:66.5/22

+ sign 2.694+/-0.301 $\chi^2$/NDF: 199.3/43

All: 2.401+/-0.214 $\chi^2$/NDF: 356.8/87

- sign 2.102+/-0.305 $\chi^2$/NDF: 155.6/43

# reg_asym_at1_dd_diff_bpm12X_slope vs Slug




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

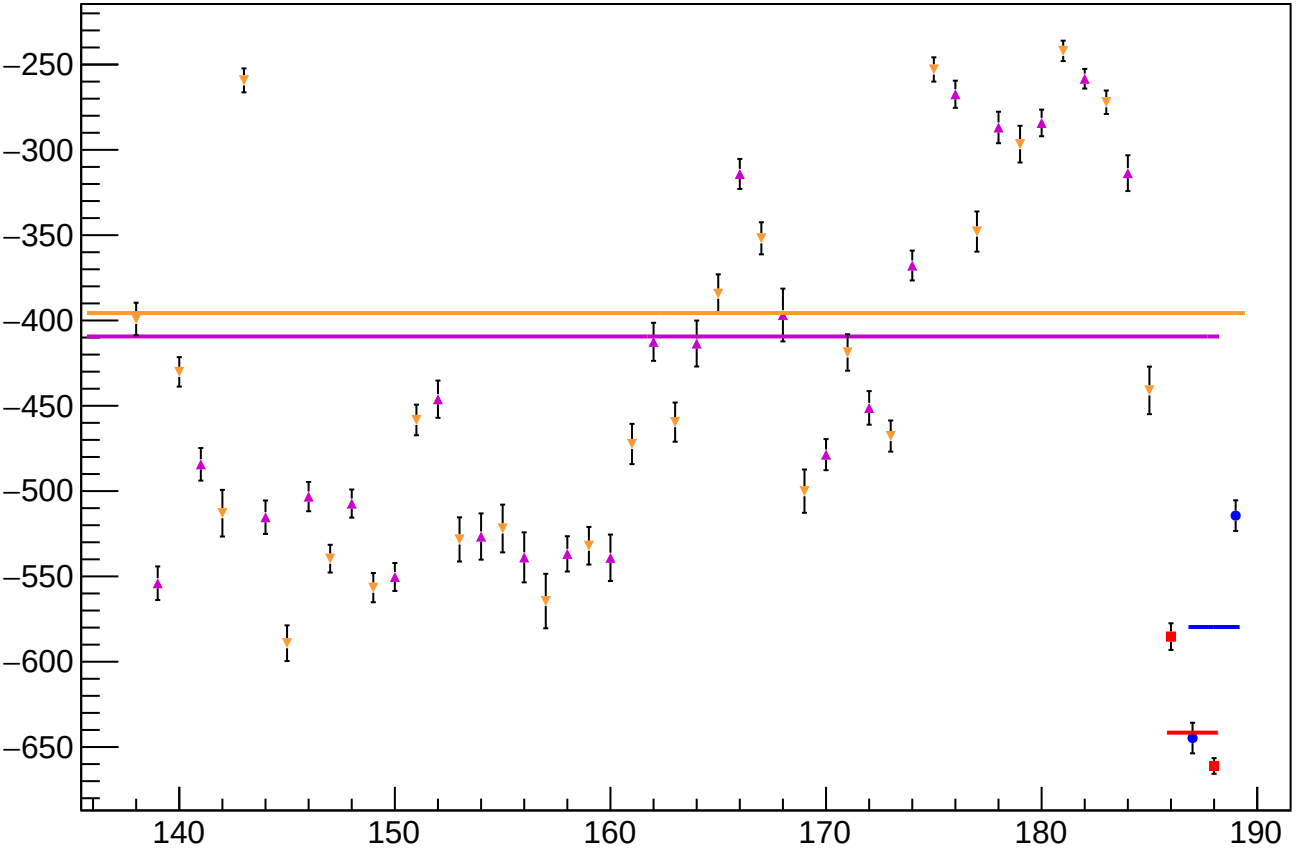
Left In: 0.448+/-0.015 $\chi^2$/NDF:50533.6/22

+ sign 1.859+/-0.014 $\chi^2$/NDF: 512312.5/43

All: 1.567+/-0.010 $\chi^2$/NDF: 1134108.5/87

- sign 1.272+/-0.014 $\chi^2$/NDF: 620956.6/43

# reg_asym_at2_avg_diff_bpm1X_slope vs Slug




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

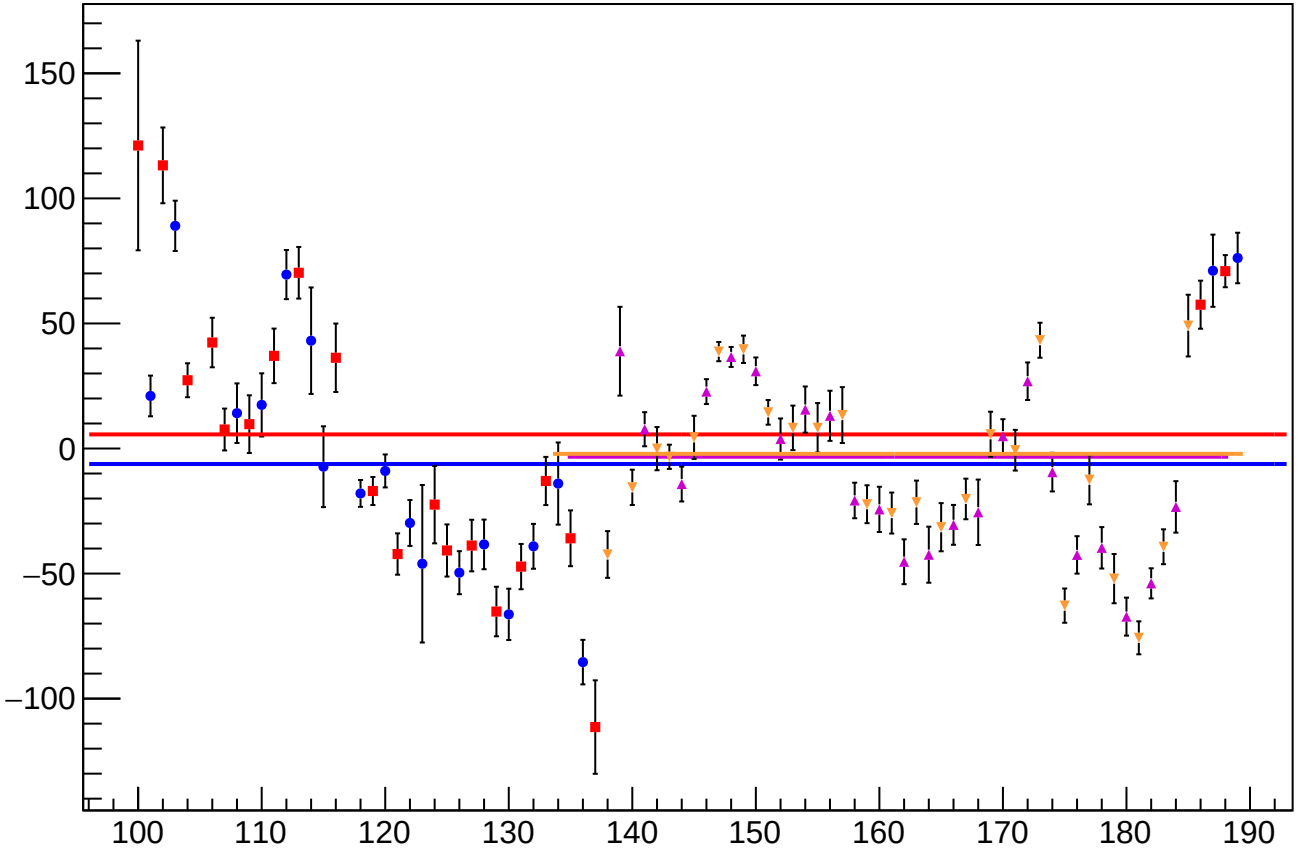
Left In: -409.377+/-1.971 $\chi^2$/NDF:3096.1/22

+ sign -410.919+/-1.828 $\chi^2$/NDF: 4581.2/26

All: -434.003+/-1.270 $\chi^2$/NDF: 10812.3/51

- sign -455.515+/-1.765 $\chi^2$/NDF: 5923.0/24

# reg_asym_at2_avg_diff_bpm4aY_slope vs Slug




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

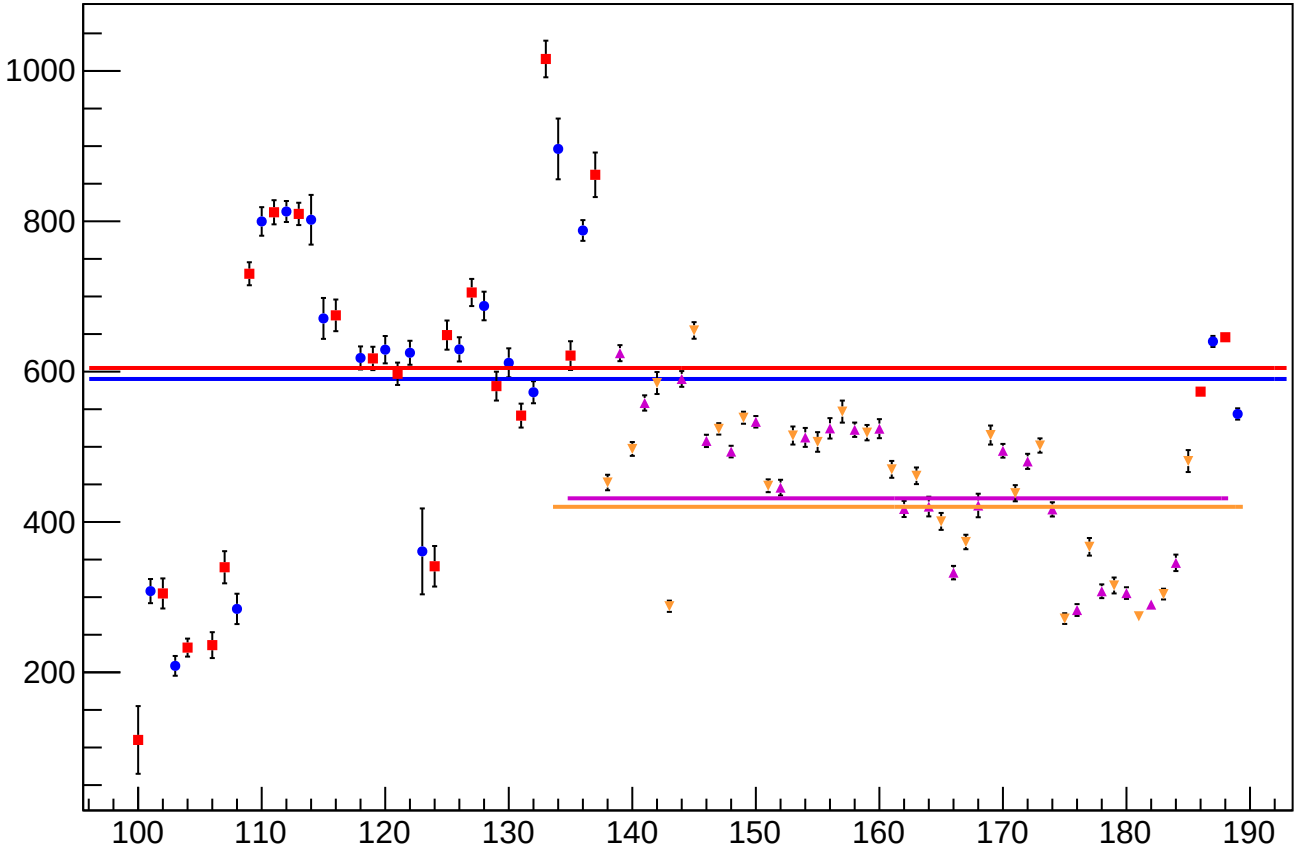
Left In: -3.290+/-1.517 $\chi^2$/NDF:454.5/22

+ sign -3.328+/-1.206 $\chi^2$/NDF: 1008.9/43

All: -1.791+/-0.860 $\chi^2$/NDF: 1979.3/87

- sign -0.201+/-1.226 $\chi^2$/NDF: 967.1/43

# reg_asym_at2_avg_diff_bpm4eX_slope vs Slug




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

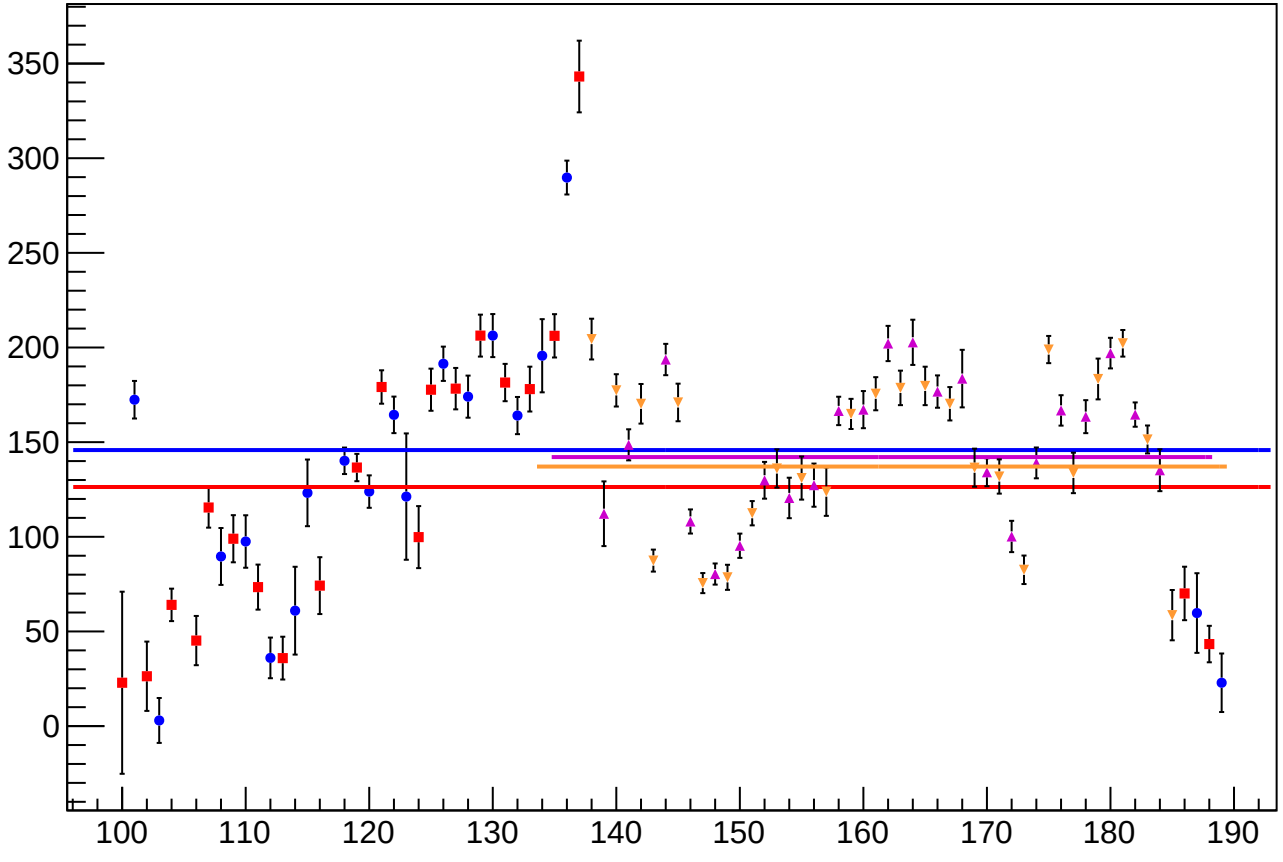
Left In: 431.487+/-1.964 $\chi^2$/NDF:2897.1/22

+ sign 462.291+/-1.662 $\chi^2$/NDF: 7407.2/43

All: 480.892+/-1.133 $\chi^2$/NDF: 16500.7/87

- sign 497.052+/-1.549 $\chi^2$/NDF: 8859.3/43

# reg_asym_at2_avg_diff_bpm4eY_slope vs Slug




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

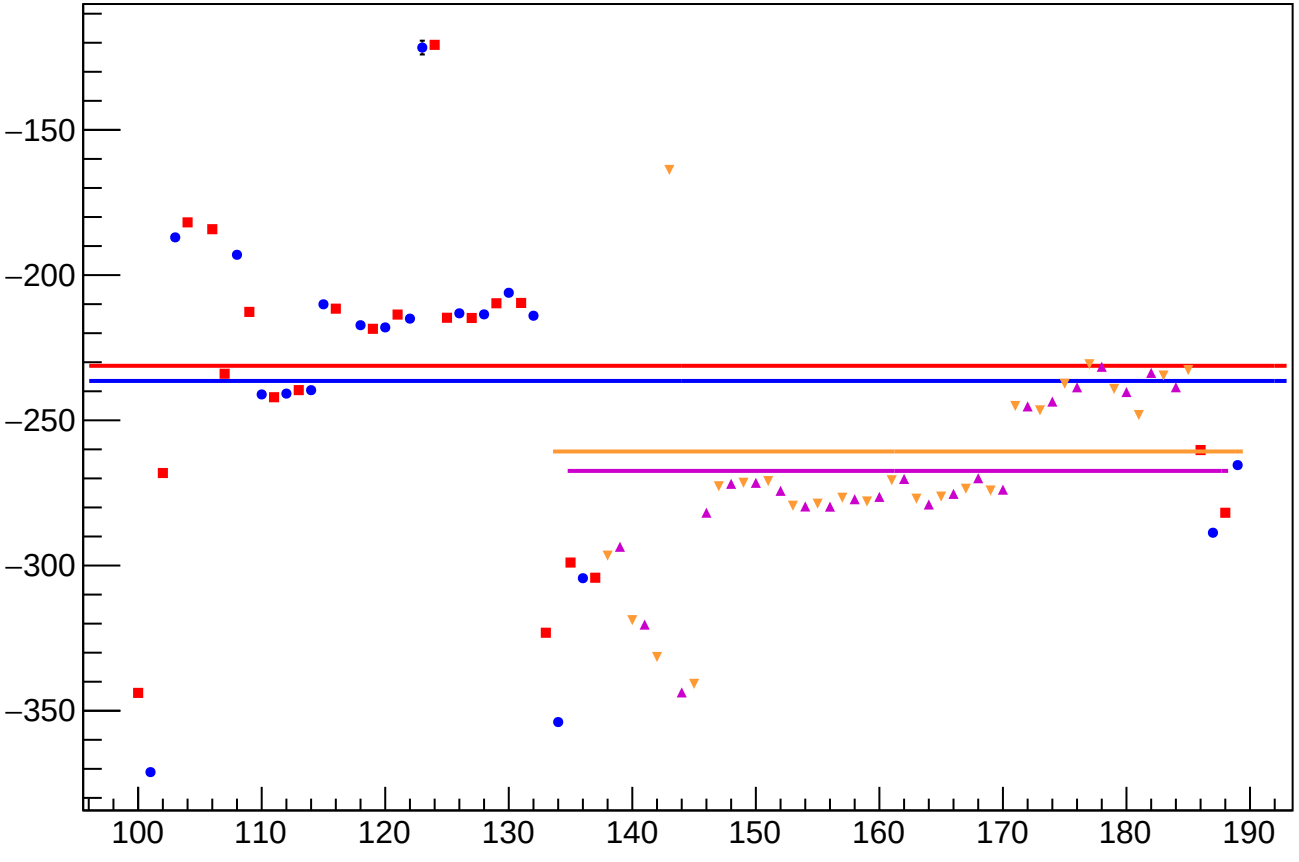
Left In: 142.123+/-1.740 $\chi^2$/NDF:463.8/22

+ sign 139.617+/-1.403 $\chi^2$/NDF: 1465.2/43

All: 138.295+/-1.000 $\chi^2$/NDF: 2642.3/87

- sign 136.930+/-1.426 $\chi^2$/NDF: 1175.3/43

# reg_asym_at2_avg_diff_bpm12X_slope vs Slug




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

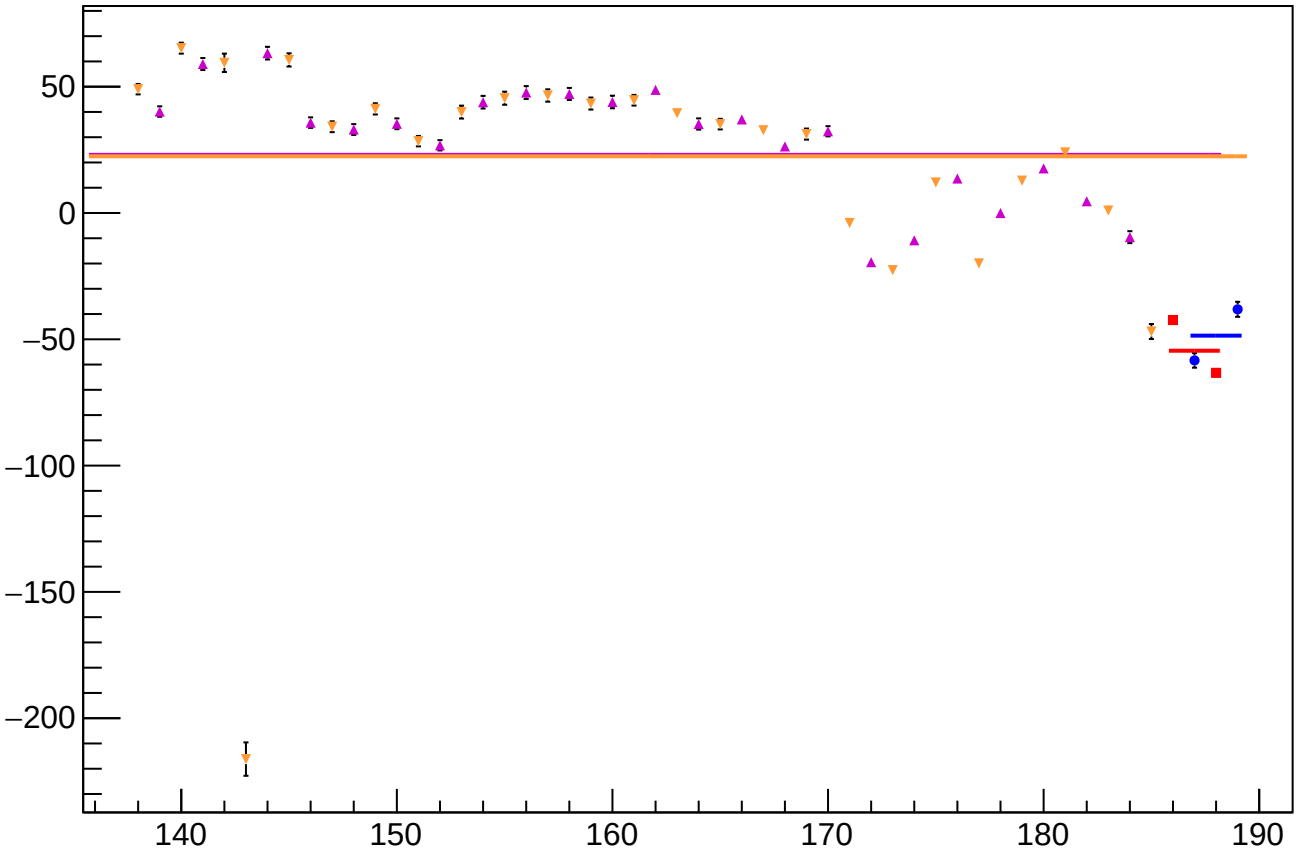
Left In: -267.416+/-0.081 $\chi^2$/NDF:98892.0/22

+ sign -255.054+/-0.070 $\chi^2$/NDF: 390903.8/43

All: -256.410+/-0.049 $\chi^2$/NDF: 654604.3/87

- sign -257.767+/-0.070 $\chi^2$/NDF: 262941.8/43

# reg_asym_at2_dd_diff_bpm1X_slope vs Slug




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

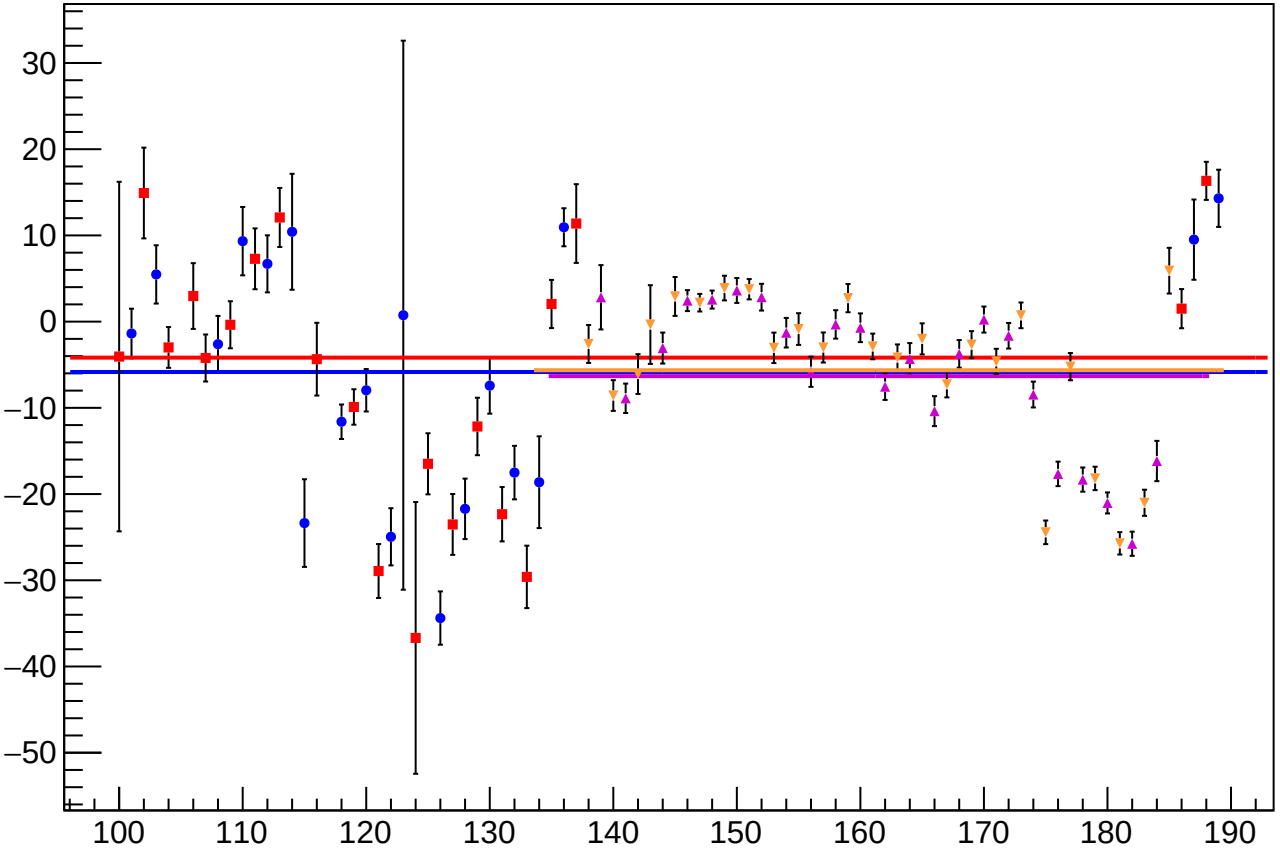
Left In: 23.019+/-0.400 $\chi^2$/NDF:2819.9/22

+ sign 19.914+/-0.392 $\chi^2$/NDF: 6089.6/26

All: 17.453+/-0.272 $\chi^2$/NDF: 12879.9/51

- sign 15.149+/-0.379 $\chi^2$/NDF: 6713.8/24

# reg_asym_at2_dd_diff_bpm4aY_slope vs Slug




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

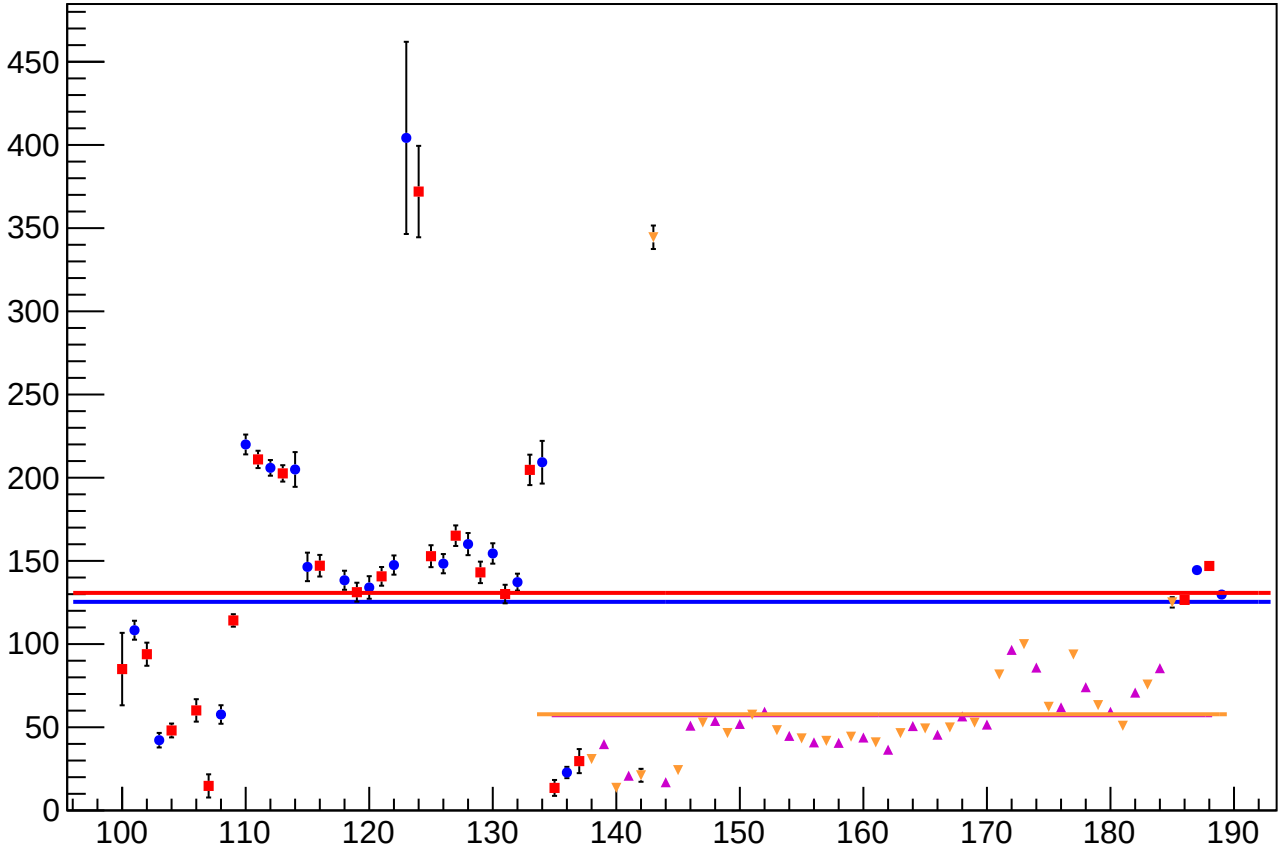
Left In: -6.323+/-0.320 $\chi^2$/NDF:784.4/22

+ sign -5.669+/-0.291 $\chi^2$/NDF: 1226.9/43

All: -5.805+/-0.205 $\chi^2$/NDF: 2385.8/87

- sign -5.940+/-0.290 $\chi^2$/NDF: 1158.5/43

# reg_asym_at2_dd_diff_bpm4eX_slope vs Slug




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

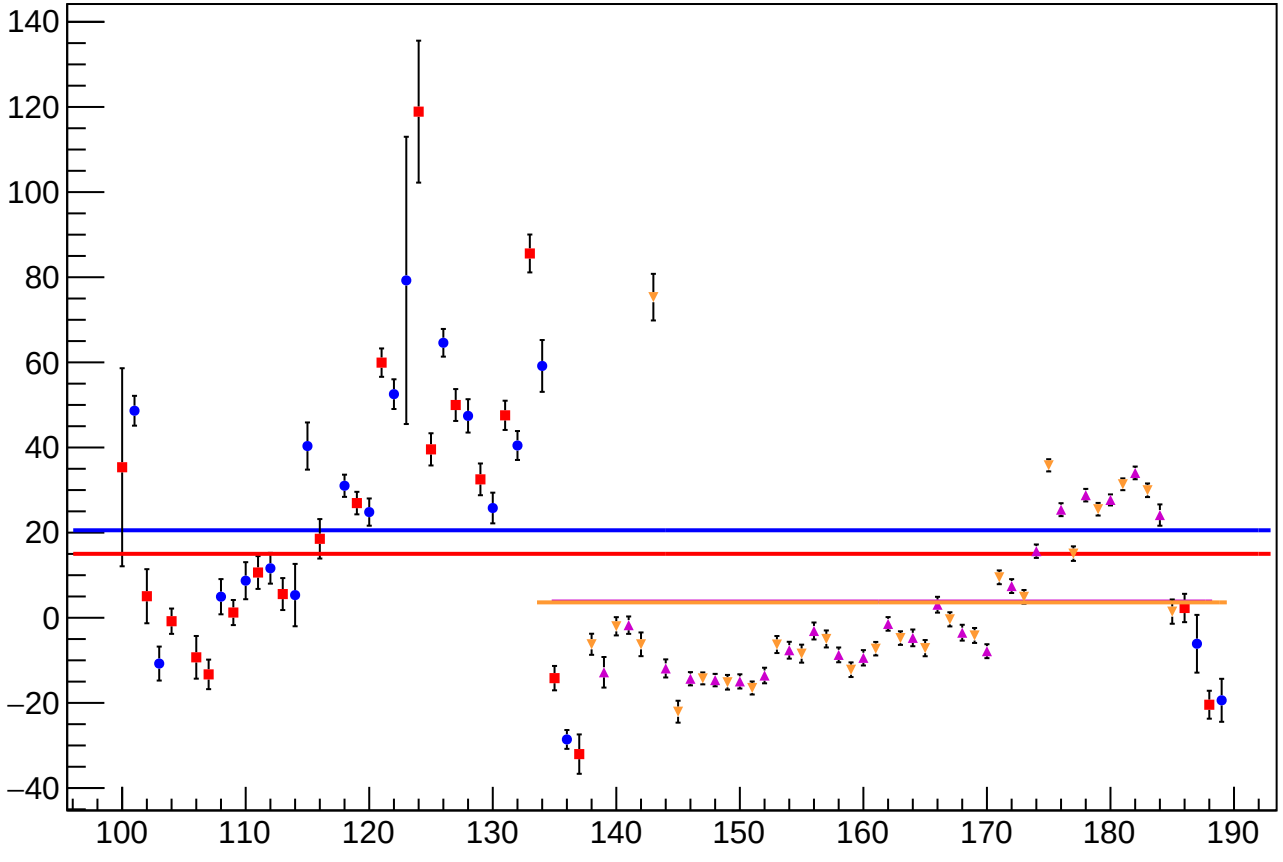
Left In: 57.226+/-0.398 $\chi^2$/NDF:1860.6/22

+ sign 65.725+/-0.374 $\chi^2$/NDF: 9966.6/43

All: 69.208+/-0.257 $\chi^2$/NDF: 21459.7/87

- sign 72.344+/-0.355 $\chi^2$/NDF: 11328.2/43

# reg_asym_at2_dd_diff_bpm4eY_slope vs Slug




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

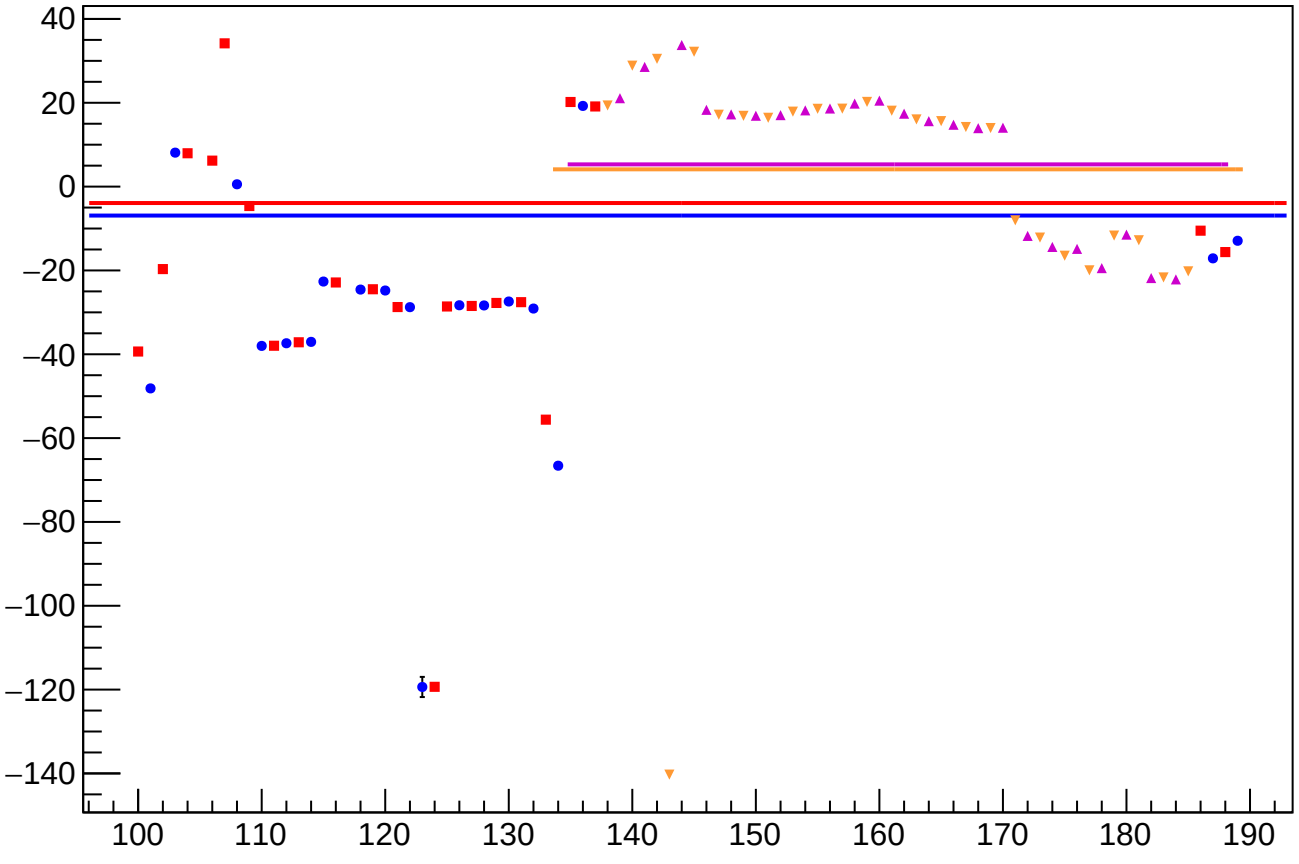
Left In: 3.812+/-0.361 $\chi^2$/NDF:2203.5/22

+ sign 6.060+/-0.330 $\chi^2$/NDF: 3979.8/43

All: 5.851+/-0.233 $\chi^2$/NDF: 7565.0/87

- sign 5.641+/-0.330 $\chi^2$/NDF: 3584.4/43

# reg_asym_at2_dd_diff_bpm12X_slope vs Slug




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

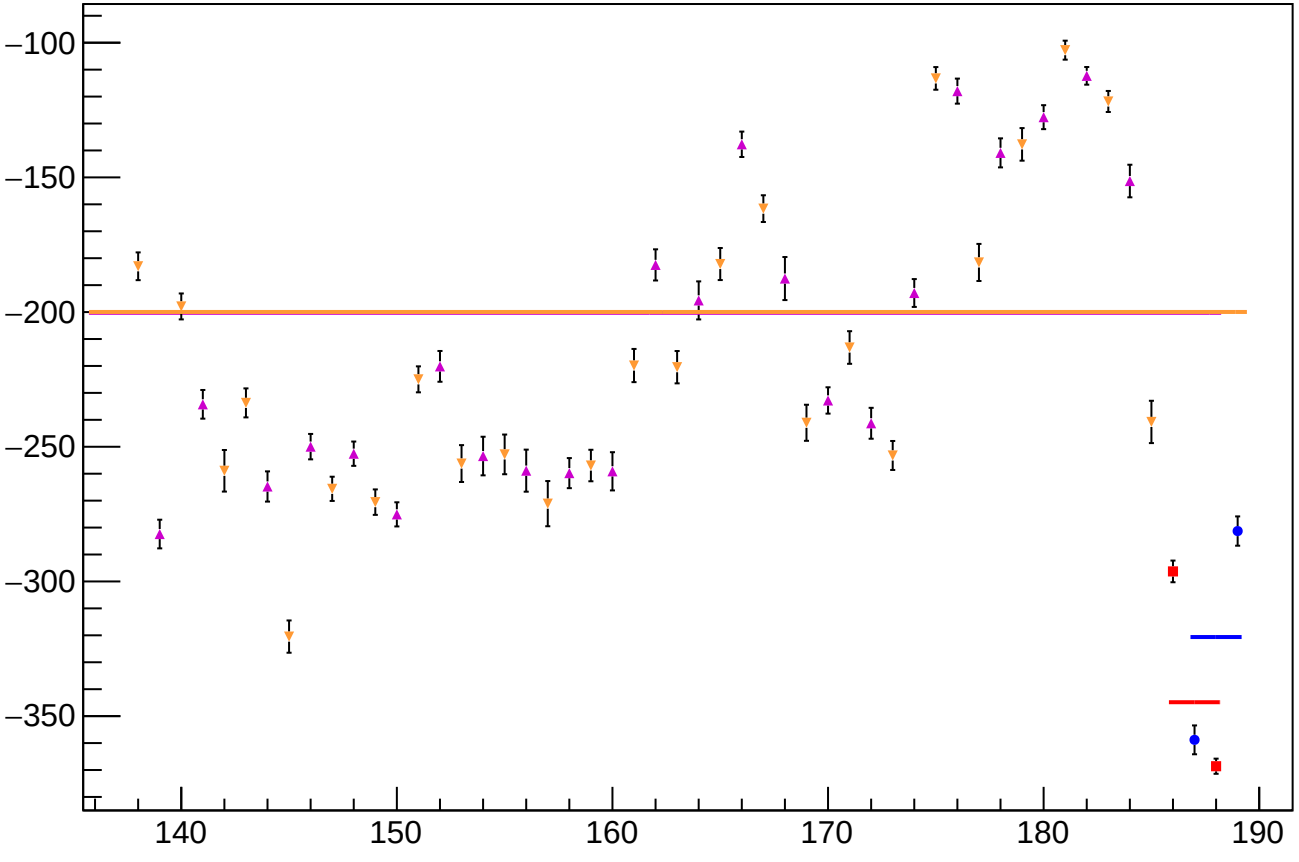
Left In: 5.305+/-0.016 $\chi^2$/NDF:1089610.2/22

+ sign 2.823+/-0.015 $\chi^2$/NDF: 1660979.9/43

All: 3.491+/-0.011 $\chi^2$/NDF: 3067024.7/87

- sign 4.151+/-0.015 $\chi^2$/NDF: 1402296.1/43

# reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug




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

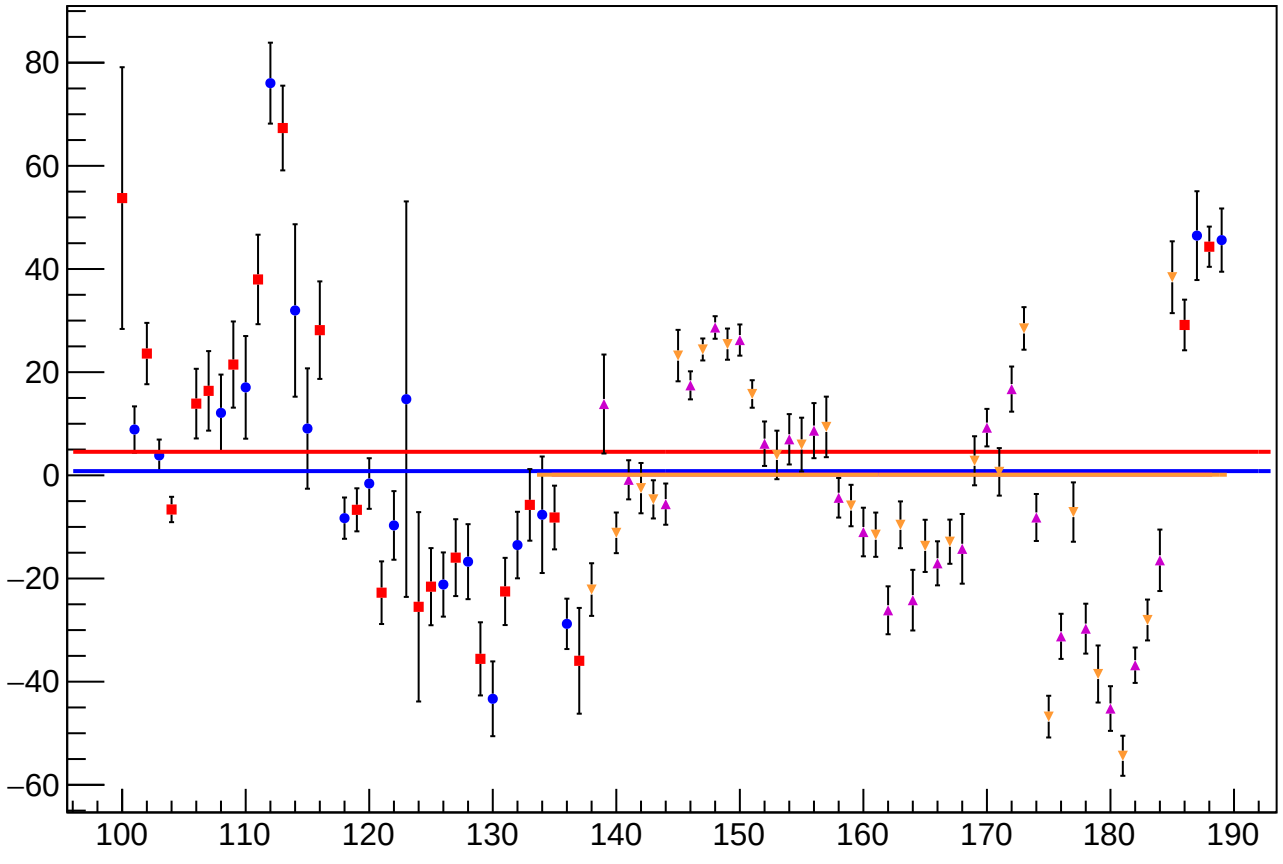
Left In: -200.276+/-1.093 $\chi^2$/NDF:3013.8/22

+ sign -208.931+/-1.041 $\chi^2$/NDF: 4249.5/26

All: -218.351+/-0.716 $\chi^2$/NDF: 10848.4/51

- sign -226.839+/-0.988 $\chi^2$/NDF: 6443.2/24

# reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug




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

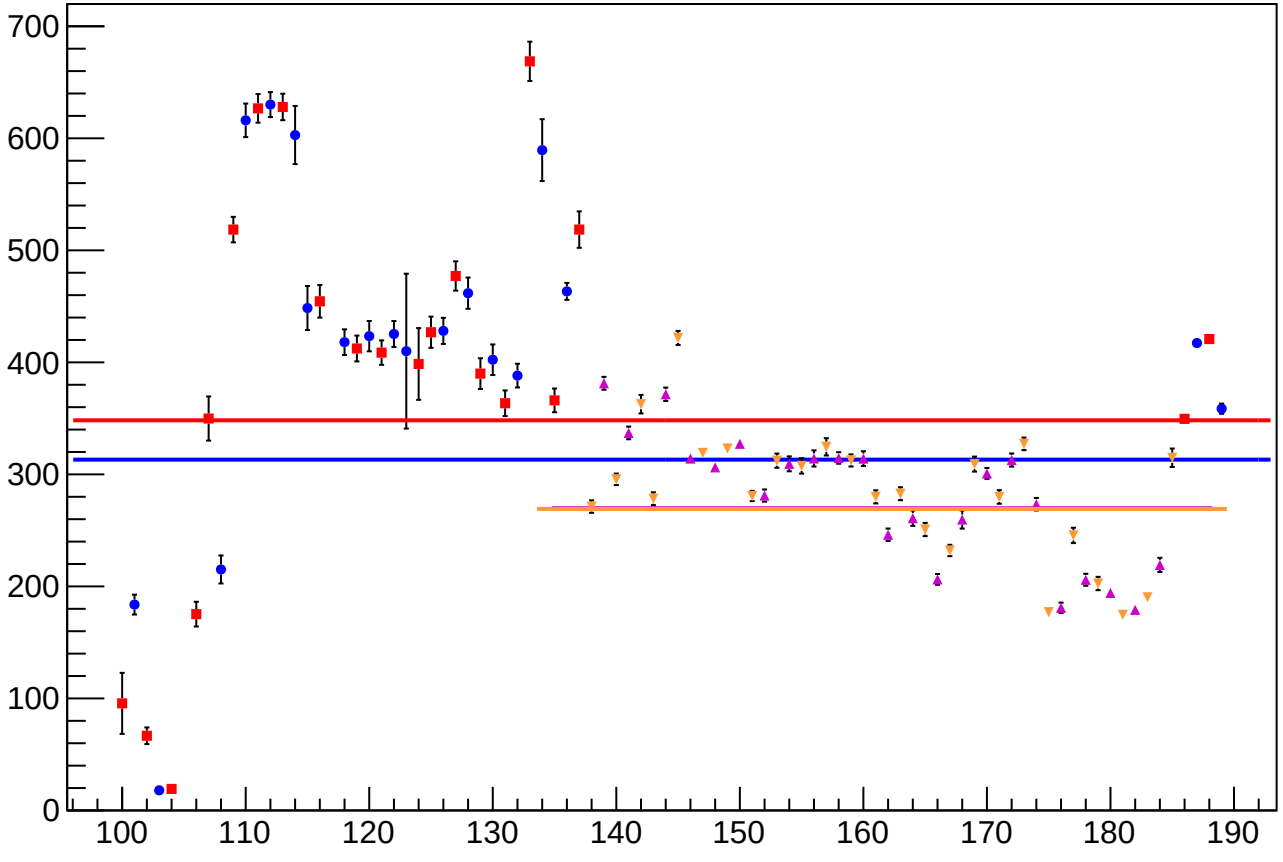
Left In: 0.153+/-0.836 $\chi^2$/NDF:719.6/22

+ sign 0.294+/-0.701 $\chi^2$/NDF: 1122.5/43

All: 0.891+/-0.495 $\chi^2$/NDF: 2225.0/87

- sign 1.485+/-0.699 $\chi^2$/NDF: 1101.0/43

# reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug




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

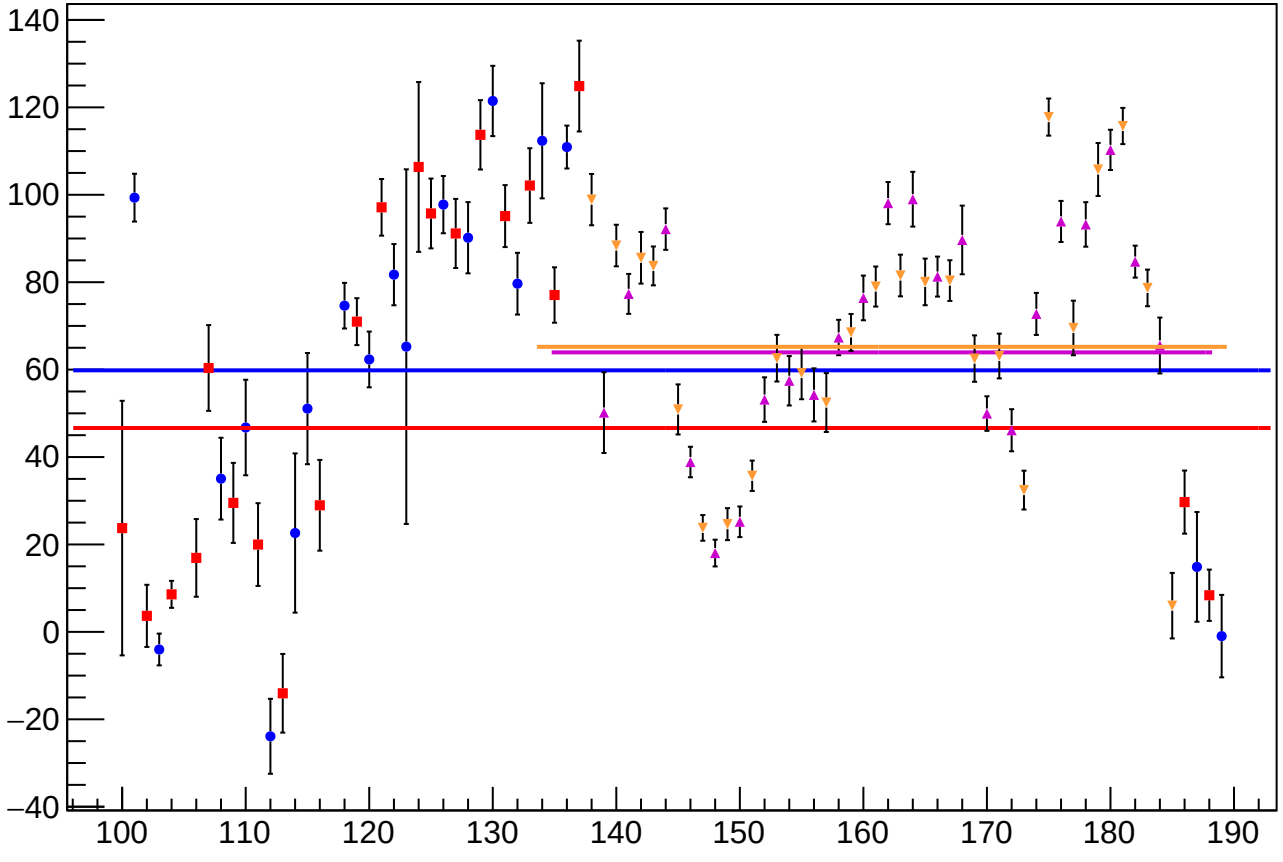
Left In: 269.798+/-1.087 $\chi^2$/NDF:3234.9/22

+ sign 279.520+/-0.945 $\chi^2$/NDF: 12213.5/43

All: 289.147+/-0.642 $\chi^2$/NDF: 27959.9/87

- sign 297.400+/-0.875 $\chi^2$/NDF: 15553.8/43

# reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug




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

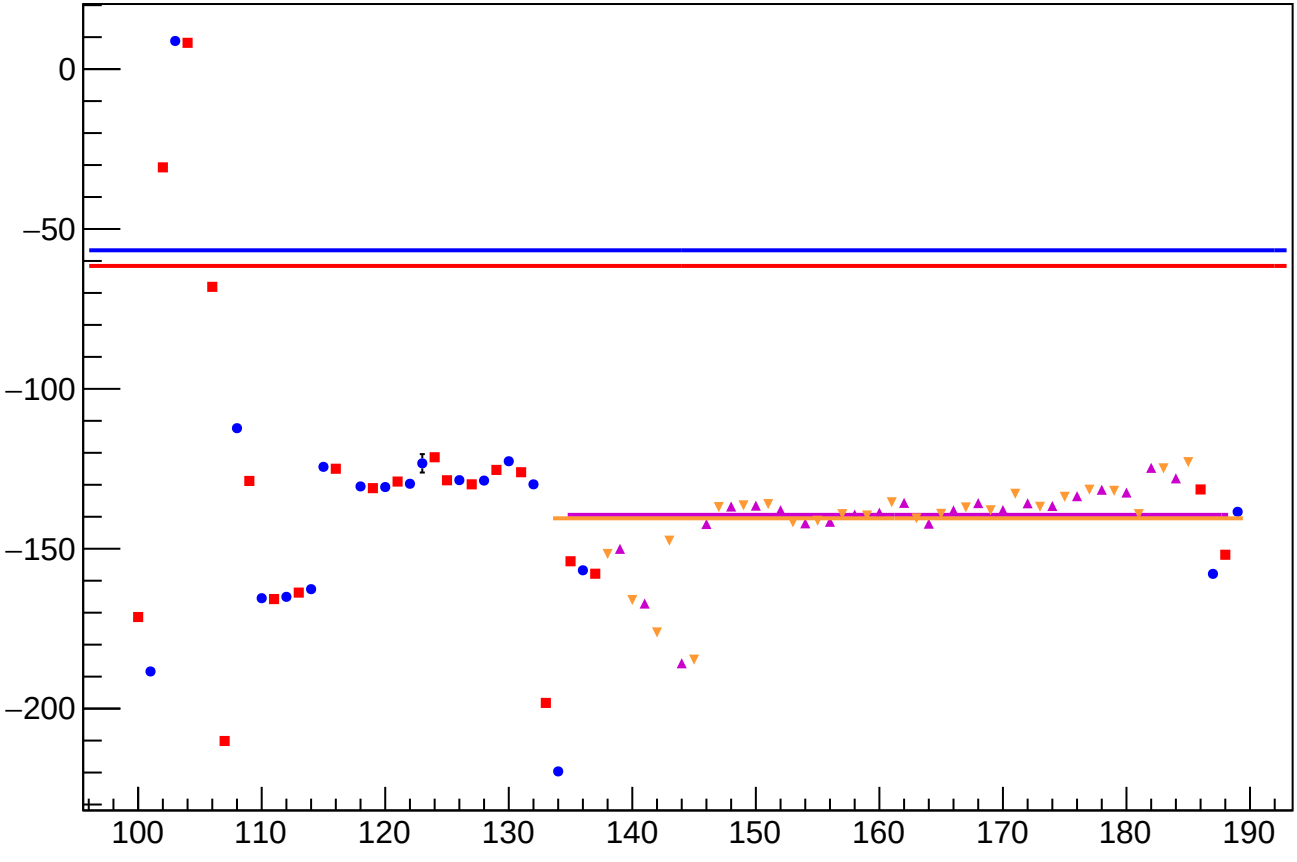
Left In: 63.944+/-0.961 $\chi^2$/NDF:803.4/22

+ sign 63.886+/-0.814 $\chi^2$/NDF: 1793.3/43

All: 61.511+/-0.576 $\chi^2$/NDF: 3414.6/87

- sign 59.125+/-0.816 $\chi^2$/NDF: 1604.3/43

# reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug




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

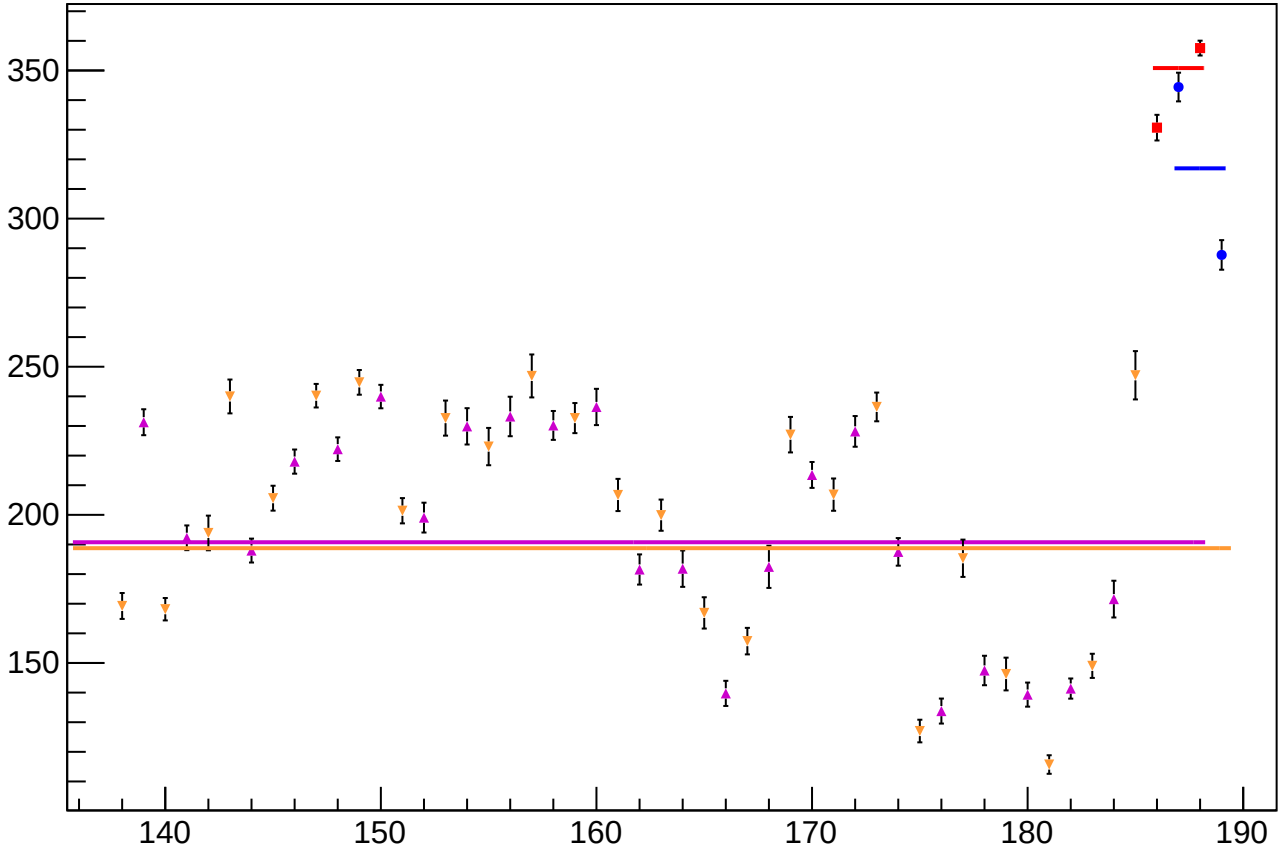
Left In: -139.406+/-0.045 $\chi^2$/NDF:62878.4/22

+ sign -115.744+/-0.038 $\chi^2$/NDF: 2403175.0/43

All: -116.128+/-0.027 $\chi^2$/NDF: 4429988.8/87

- sign -116.514+/-0.038 $\chi^2$/NDF: 2026604.1/43

# reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug




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

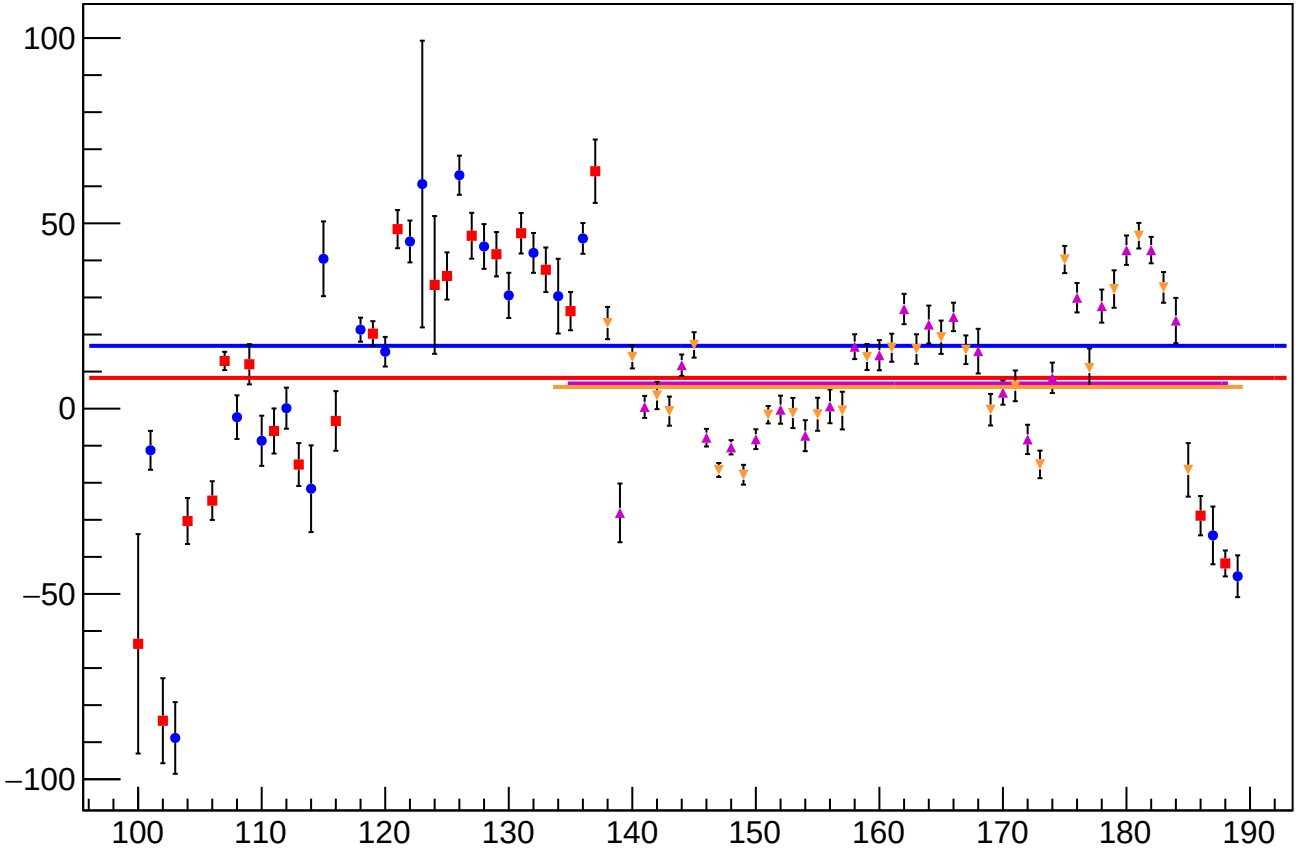
Left In: 190.753+/-0.971 $\chi^2$/NDF:1421.8/22

+ sign 197.802+/-0.924 $\chi^2$/NDF: 3299.5/26

All: 208.056+/-0.639 $\chi^2$/NDF: 9527.0/51

- sign 217.495+/-0.886 $\chi^2$/NDF: 5990.8/24

# reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug




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

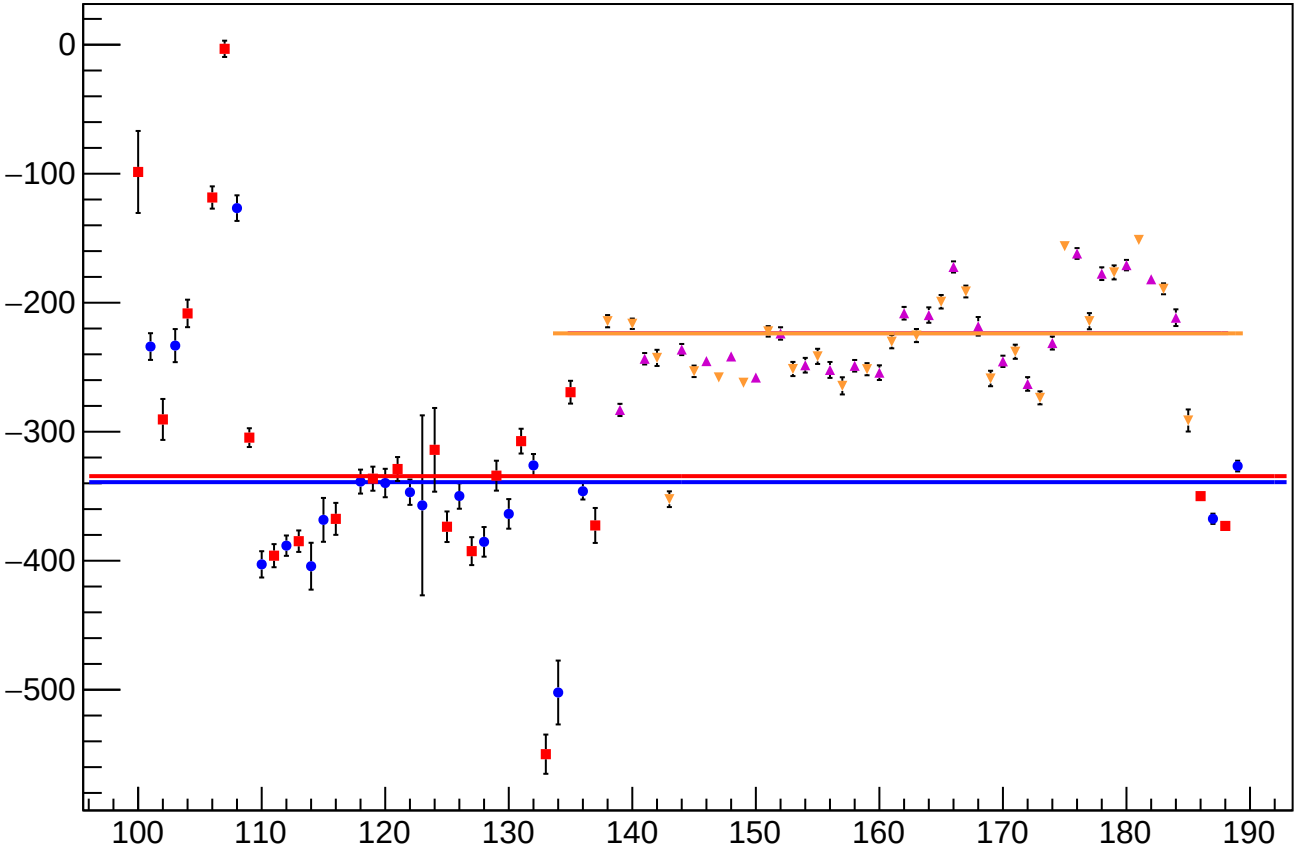
Left In: 6.797+/-0.735 $\chi^2$/NDF:525.8/22

+ sign 8.378+/-0.628 $\chi^2$/NDF: 1270.3/43

All: 7.799+/-0.440 $\chi^2$/NDF: 2522.7/87

- sign 7.240+/-0.616 $\chi^2$/NDF: 1250.7/43

# reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug




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

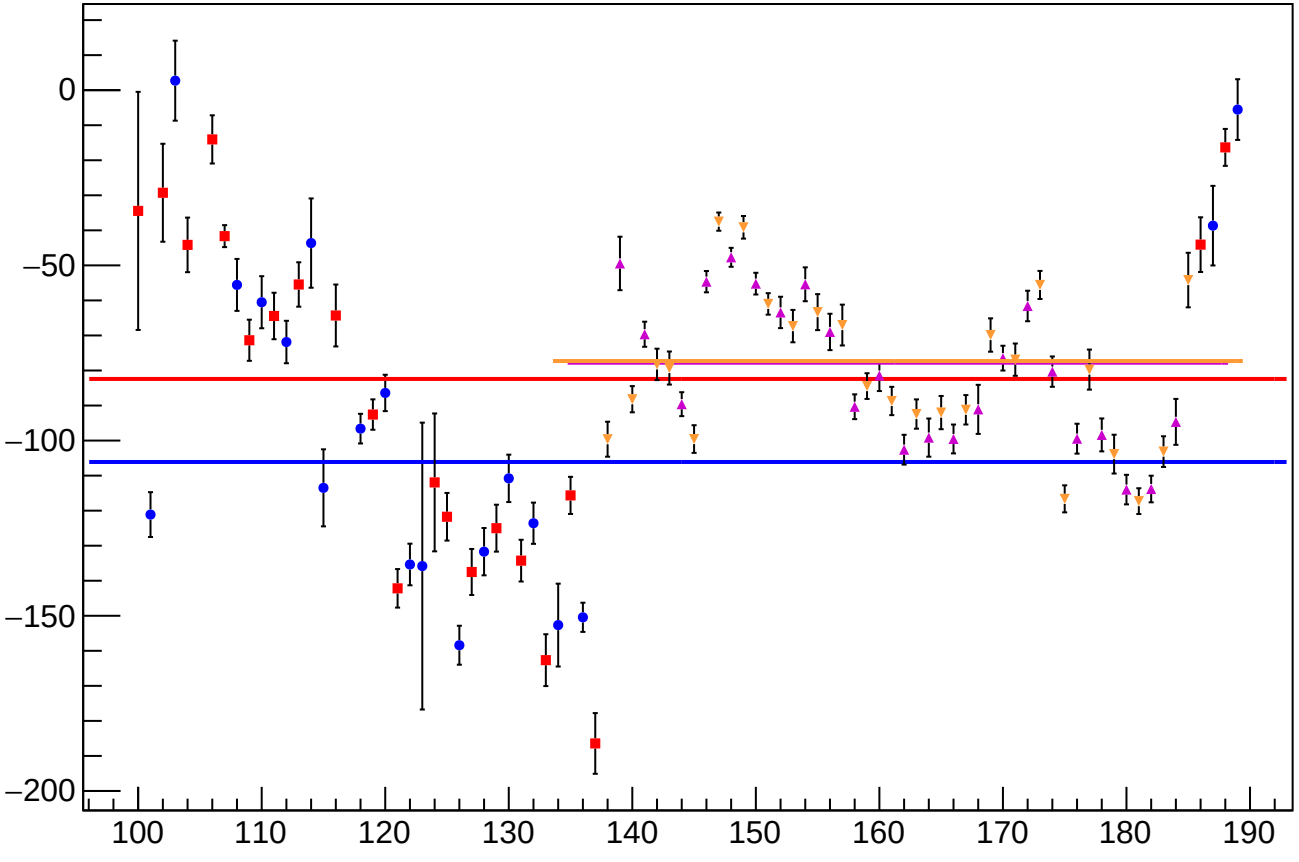
Left In: -223.554+/-0.966 $\chi^2$/NDF:1286.5/22

+ sign -246.895+/-0.856 $\chi^2$/NDF: 5782.8/43

All: -253.726+/-0.582 $\chi^2$/NDF: 15859.0/87

- sign -259.587+/-0.793 $\chi^2$/NDF: 9958.0/43

# reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug




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

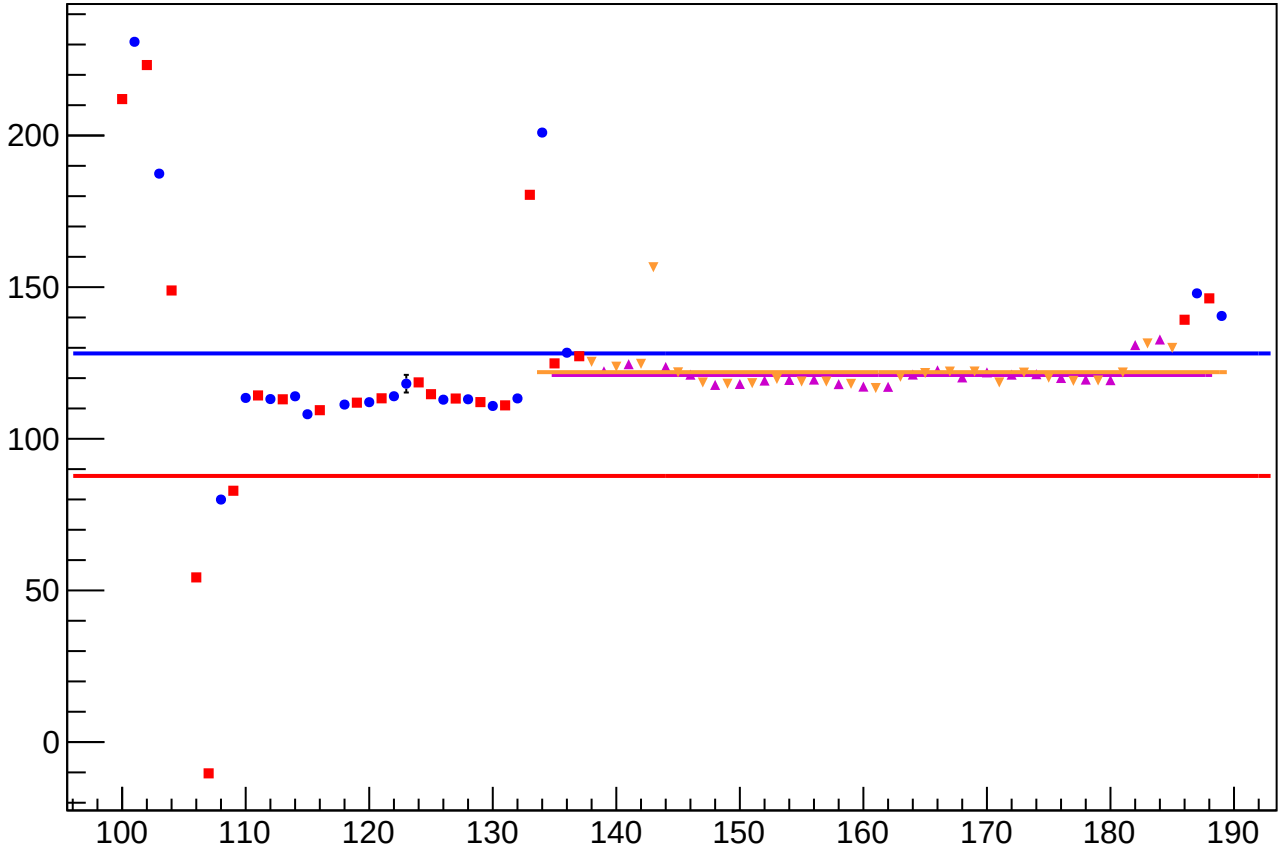
Left In: -77.777+/-0.847 $\chi^2$/NDF:624.5/22

+ sign -83.780+/-0.730 $\chi^2$/NDF: 1808.8/43

All: -81.390+/-0.512 $\chi^2$/NDF: 3632.4/87

- sign -79.067+/-0.719 $\chi^2$/NDF: 1802.4/43

# reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug




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

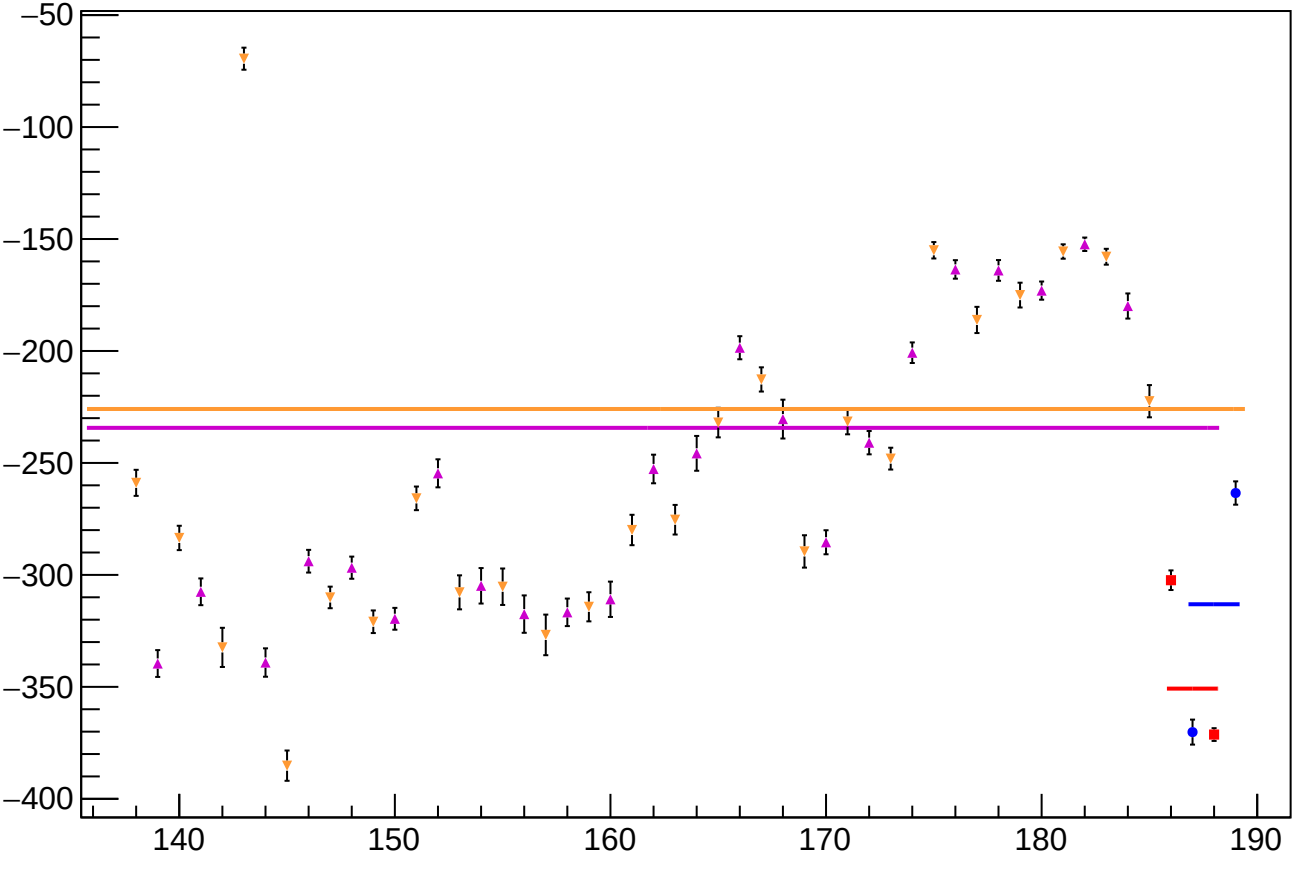
Left In: 121.045+/-0.040 $\chi^2$/NDF:7903.5/22

+ sign 123.043+/-0.036 $\chi^2$/NDF: 221702.3/43

All: 118.031+/-0.025 $\chi^2$/NDF: 1252376.0/87

- sign 113.352+/-0.035 $\chi^2$/NDF: 992991.2/43

# reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug




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

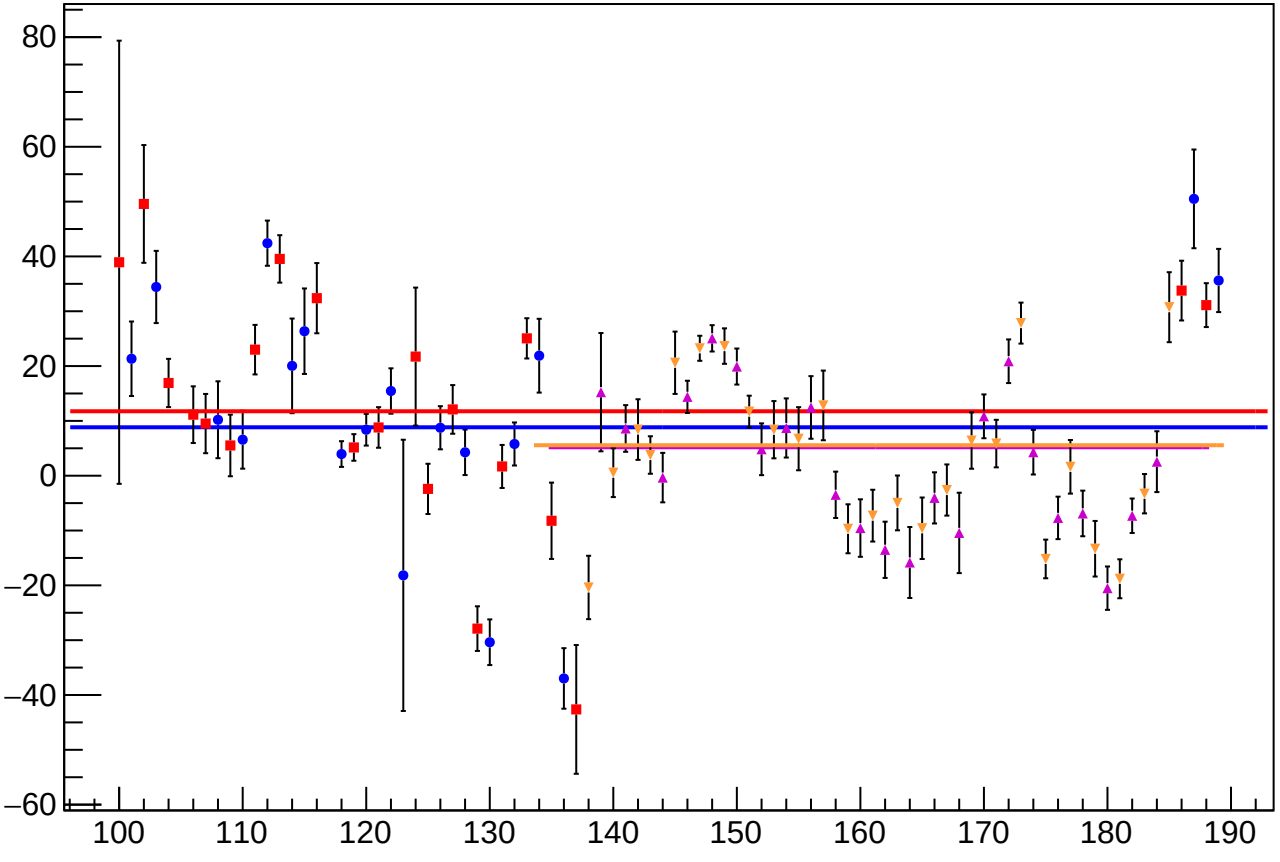
Left In: -234.328+/-1.104 $\chi^2$/NDF:3591.9/22

+ sign -232.433+/-1.042 $\chi^2$/NDF: 5349.7/26

All: -244.055+/-0.722 $\chi^2$/NDF: 11310.9/51

- sign -254.809+/-1.002 $\chi^2$/NDF: 5721.8/24

# reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug




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

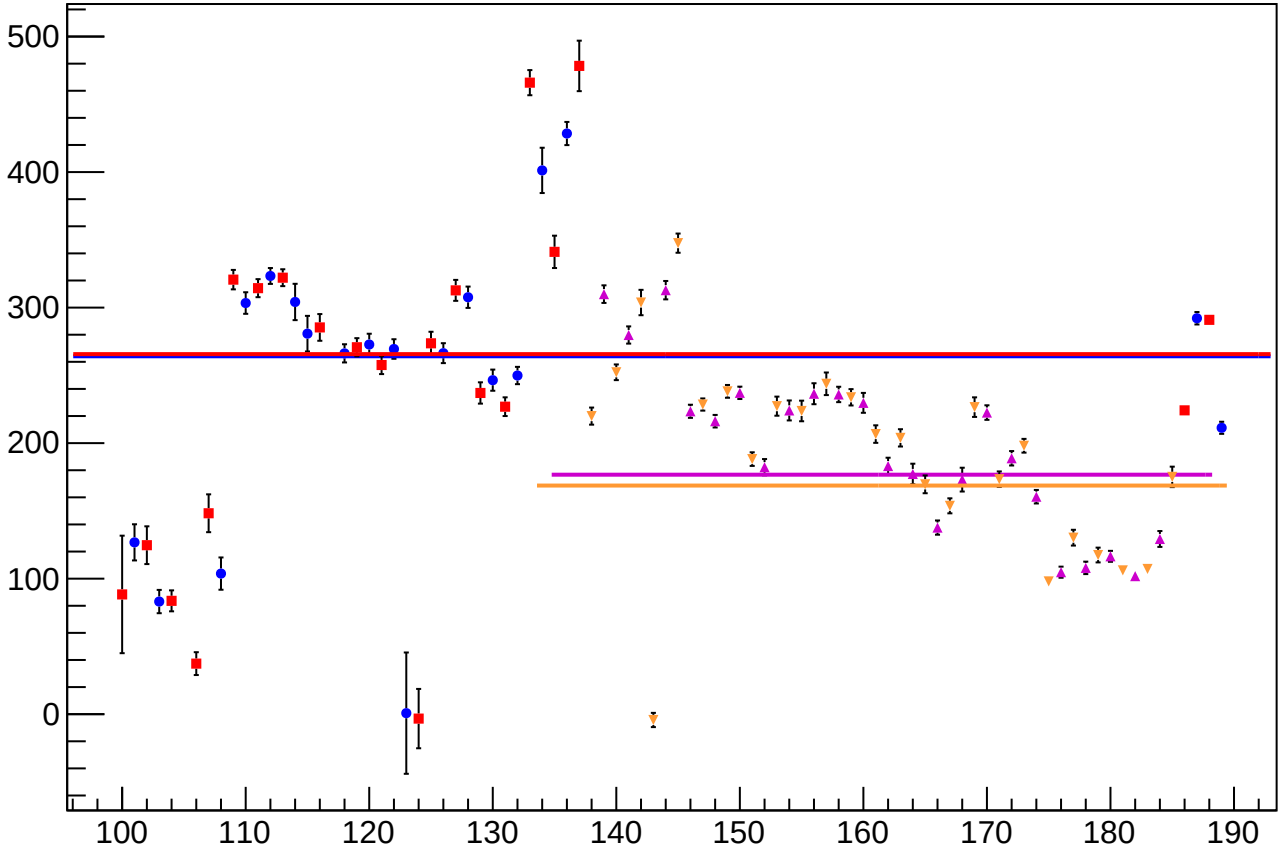
Left In: 5.186+/-0.867 $\chi^2$/NDF:243.2/22

+ sign 6.810+/-0.654 $\chi^2$/NDF: 625.4/43

All: 7.371+/-0.465 $\chi^2$/NDF: 1169.8/87

- sign 7.942+/-0.660 $\chi^2$/NDF: 542.9/43

# reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug




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

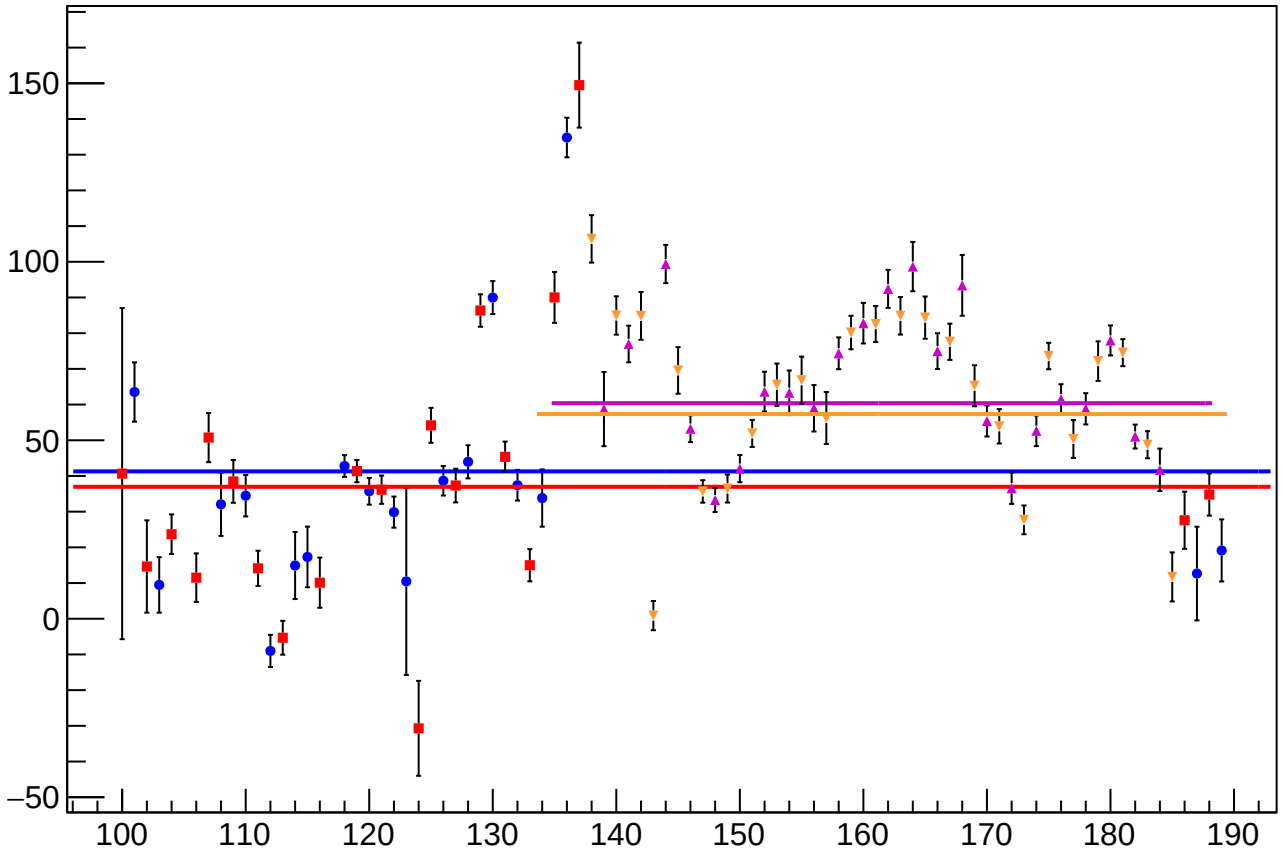
Left In: 176.711+/-1.102 $\chi^2$/NDF:3234.3/22

+ sign 195.486+/-0.921 $\chi^2$/NDF: 7961.8/43

All: 203.975+/-0.629 $\chi^2$/NDF: 16706.2/87

- sign 211.385+/-0.861 $\chi^2$/NDF: 8585.4/43

# reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug




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

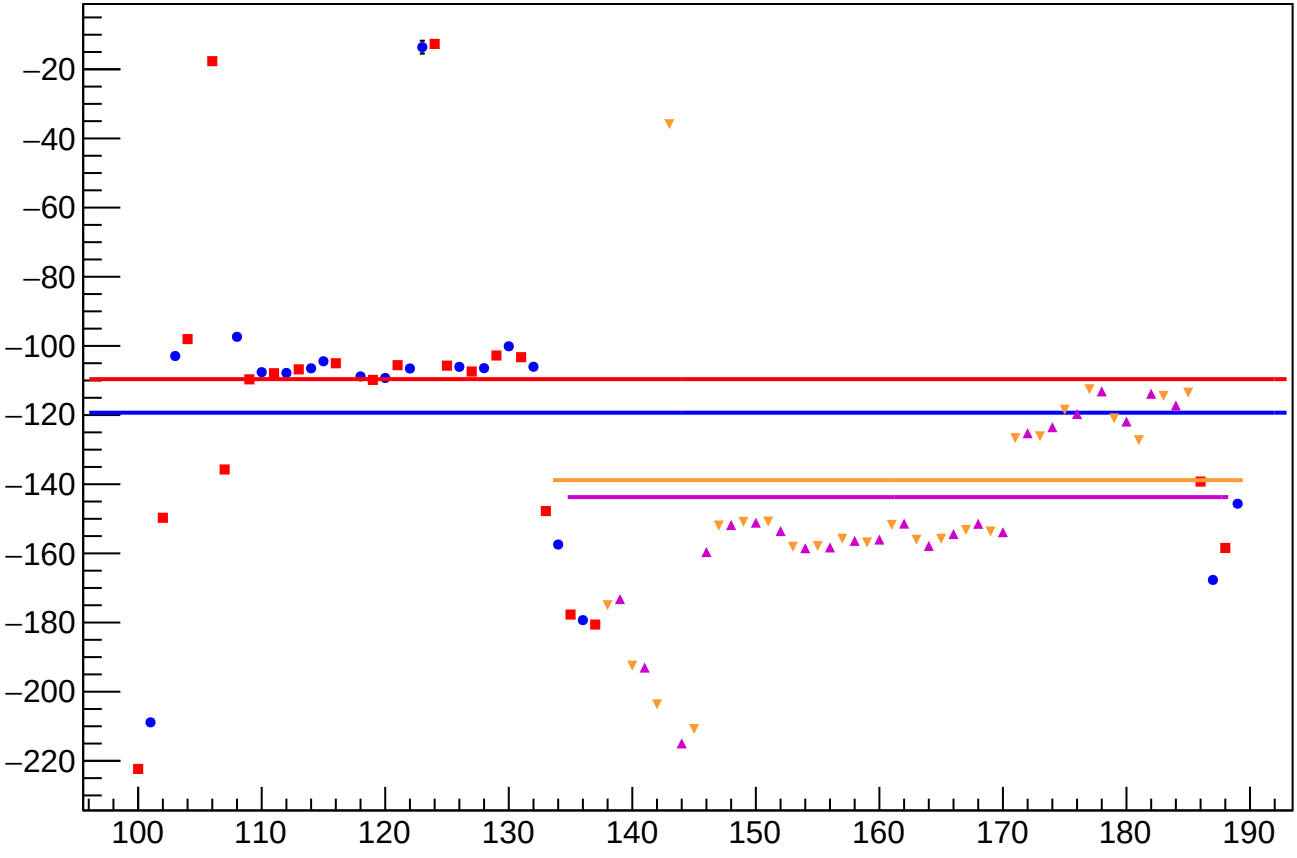
Left In: 60.392+/-0.987 $\chi^2$/NDF:341.2/22

+ sign 51.336+/-0.756 $\chi^2$/NDF: 1334.1/43

All: 51.125+/-0.537 $\chi^2$/NDF: 2377.6/87

- sign 50.911+/-0.762 $\chi^2$/NDF: 1043.4/43

# reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug




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

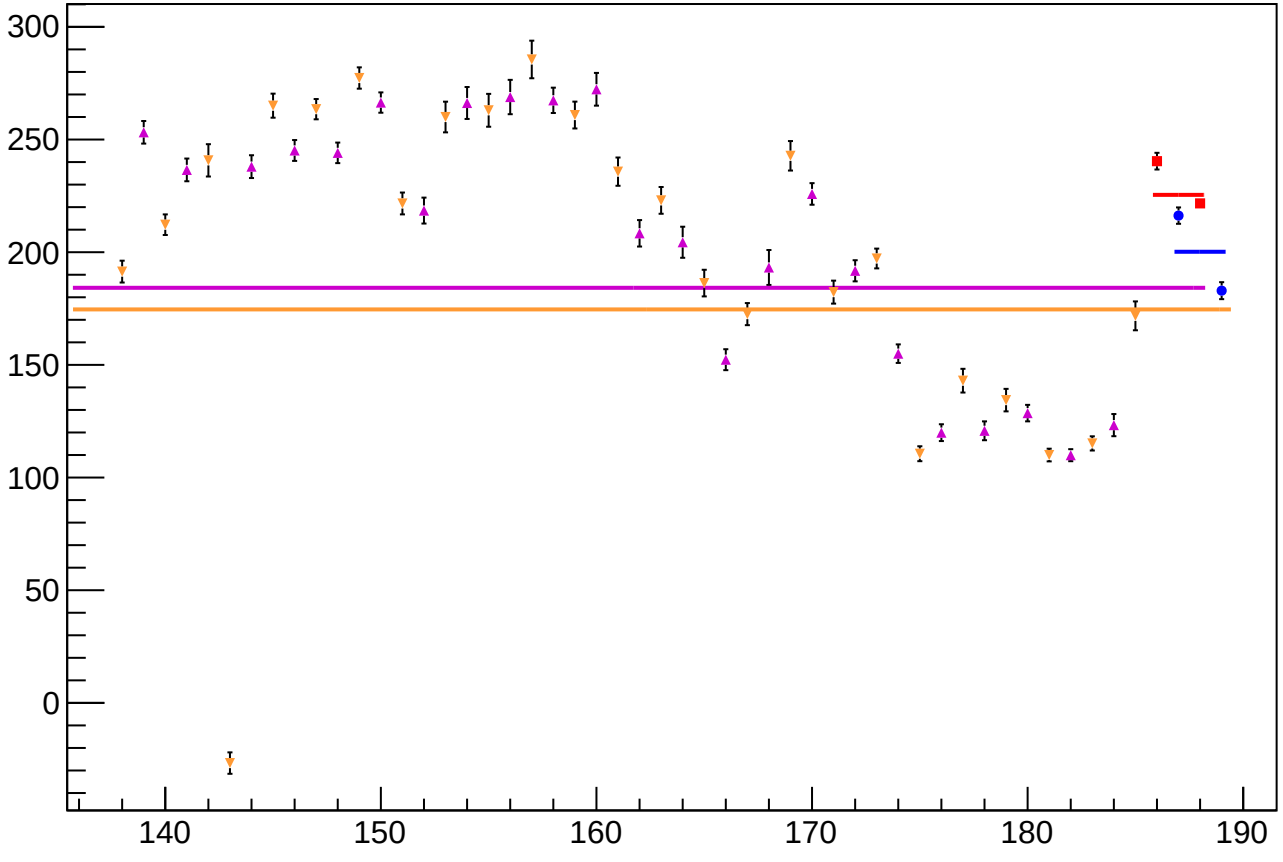
Left In: -143.726+/-0.046 $\chi^2$/NDF:260994.5/22

+ sign -133.687+/-0.039 $\chi^2$/NDF: 726616.3/43

All: -133.571+/-0.027 $\chi^2$/NDF: 1513202.0/87

- sign -133.458+/-0.038 $\chi^2$/NDF: 786568.1/43

# reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug




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

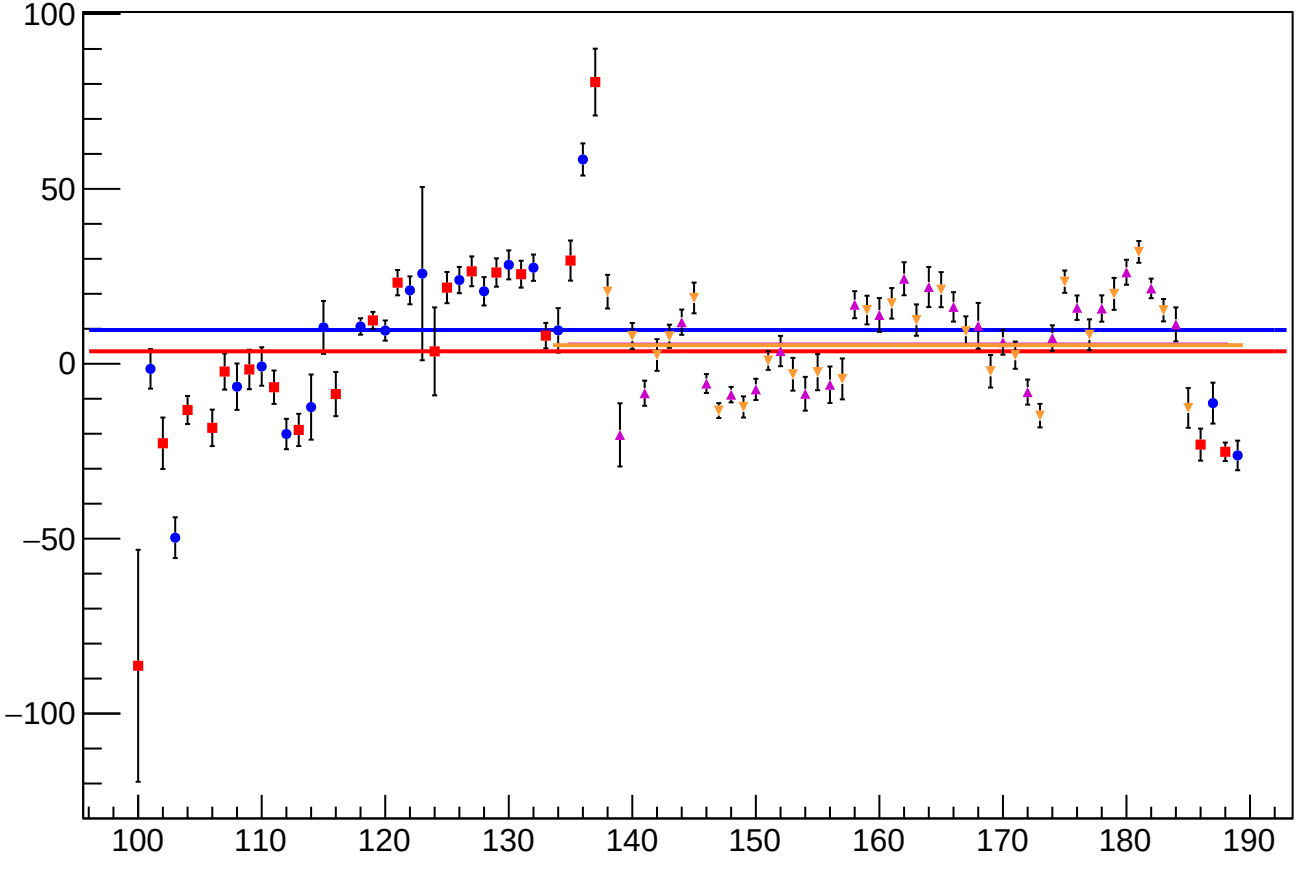
Left In: 184.205+/-0.987 $\chi^2$/NDF:3637.1/22

+ sign 177.704+/-0.909 $\chi^2$/NDF: 5676.0/26

All: 186.900+/-0.620 $\chi^2$/NDF: 9979.5/51

- sign 194.927+/-0.849 $\chi^2$/NDF: 4111.6/24

# reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug




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

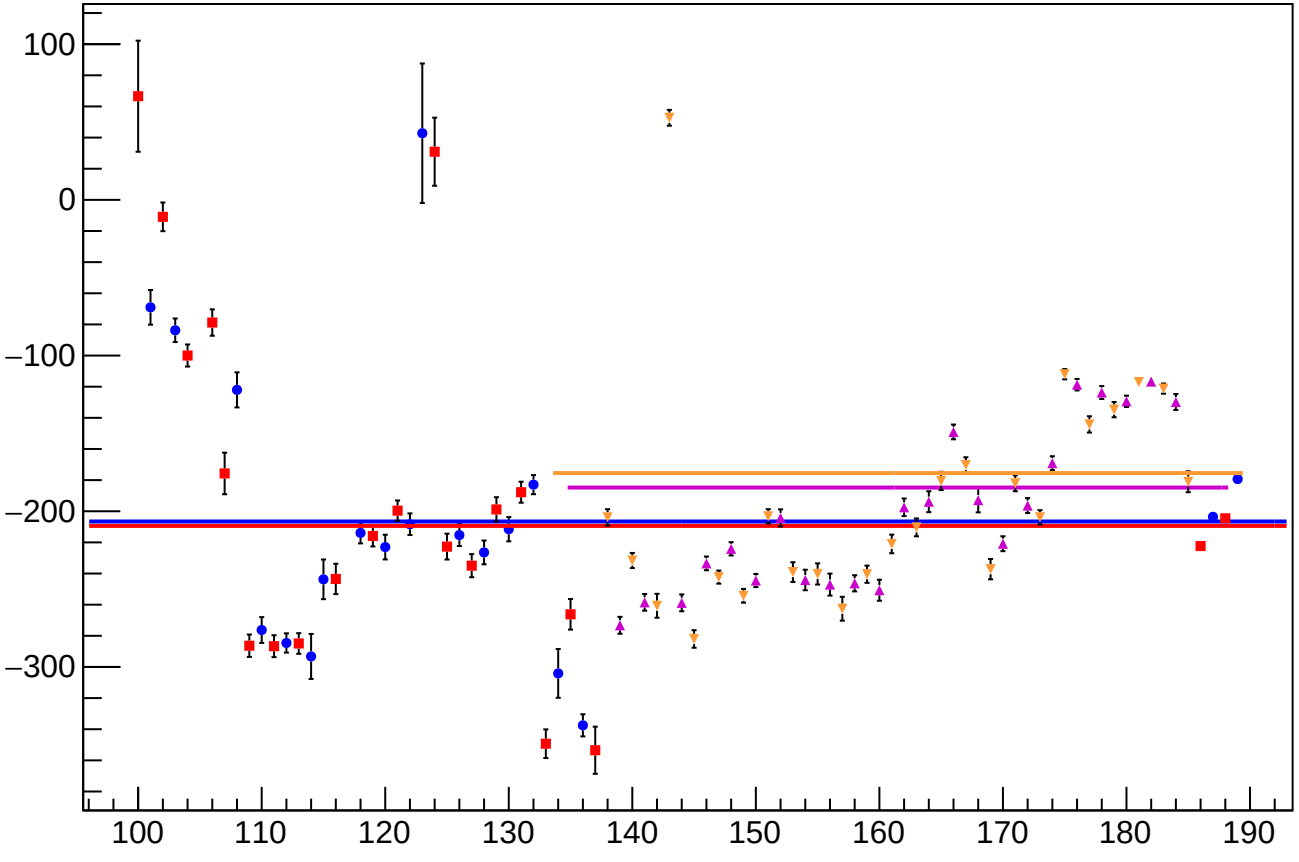
Left In: 5.483+/-0.779 $\chi^2$/NDF:259.1/22

+ sign 6.859+/-0.602 $\chi^2$/NDF: 796.9/43

All: 5.791+/-0.426 $\chi^2$/NDF: 1545.3/87

- sign 4.718+/-0.604 $\chi^2$/NDF: 742.2/43

# reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug




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

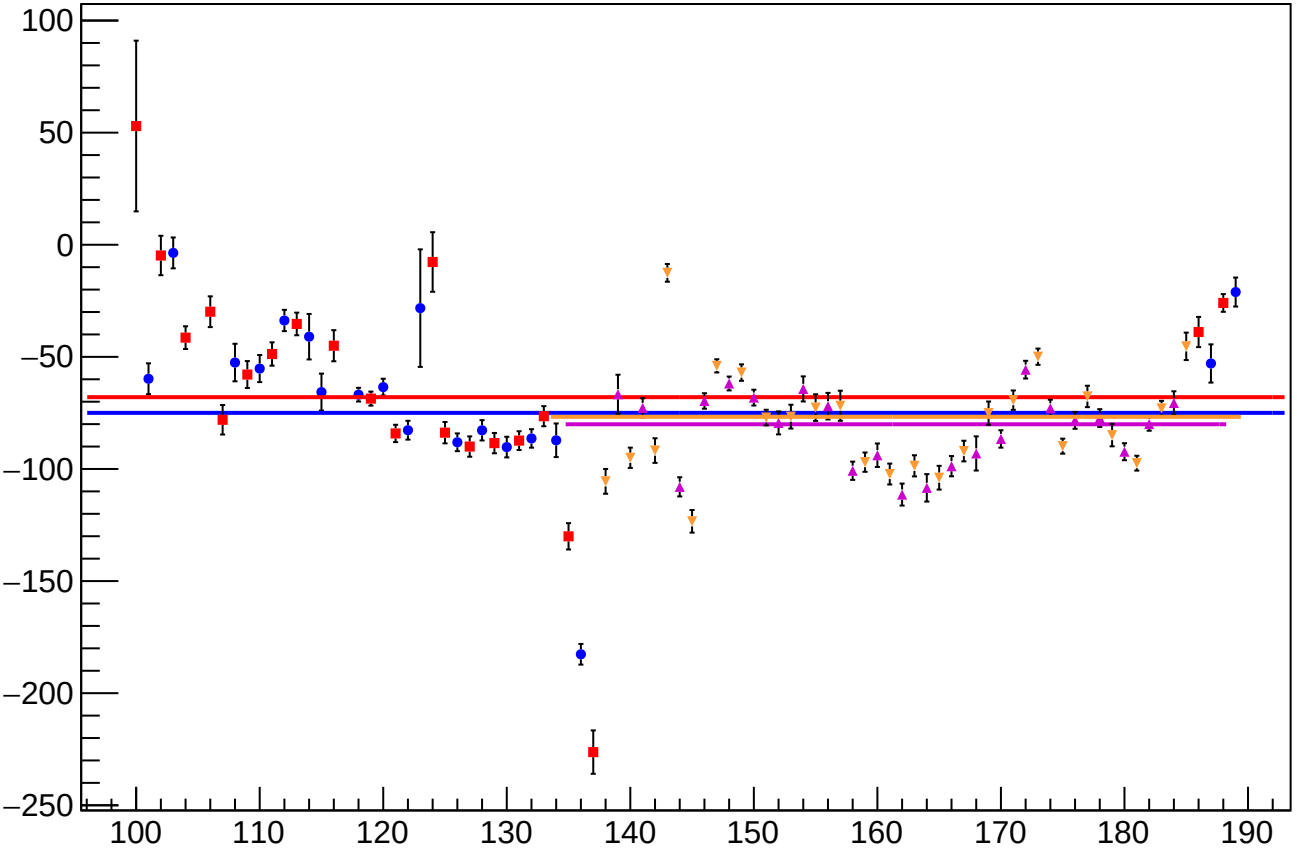
Left In: -184.774+/-0.987 $\chi^2$/NDF:3082.4/22

+ sign -184.933+/-0.812 $\chi^2$/NDF: 6674.2/43

All: -190.903+/-0.545 $\chi^2$/NDF: 12050.8/87

- sign -195.778+/-0.734 $\chi^2$/NDF: 5278.4/43

# reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug




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

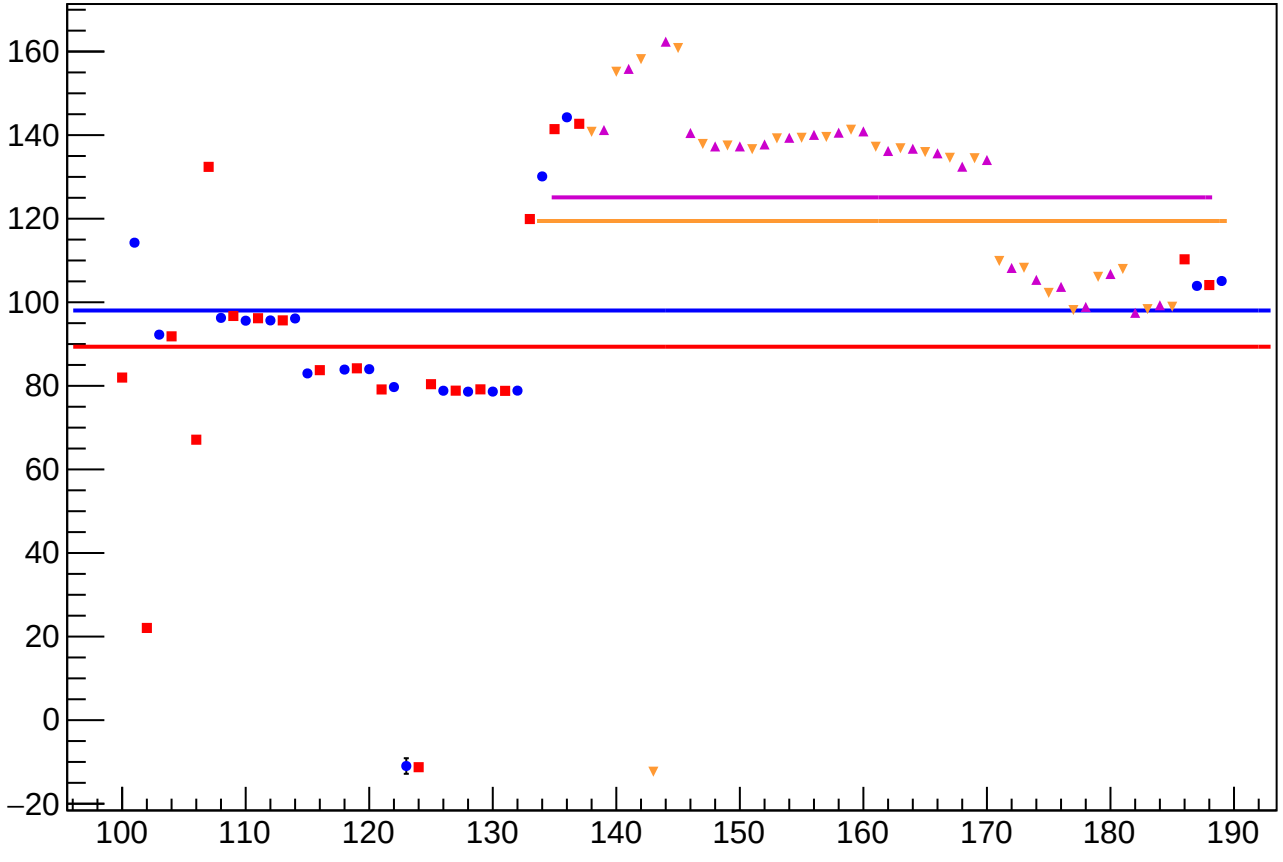
Left In: -80.068+/-0.886 $\chi^2$/NDF:286.8/22

+ sign -76.137+/-0.697 $\chi^2$/NDF: 1645.3/43

All: -75.824+/-0.494 $\chi^2$/NDF: 2823.3/87

- sign -75.509+/-0.700 $\chi^2$/NDF: 1177.6/43

# reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug




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

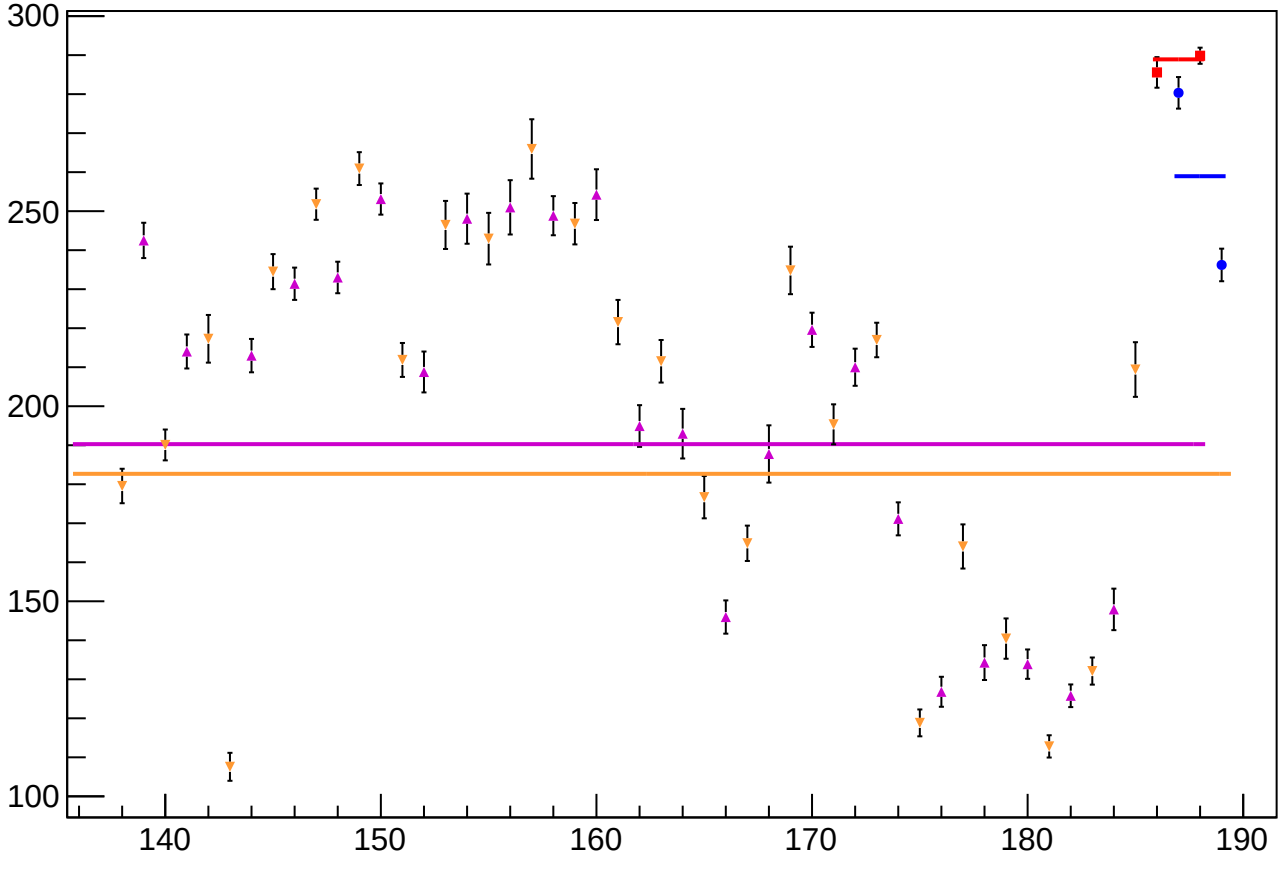
Left In: 125.101+/-0.041 $\chi^2$/NDF:222793.3/22

+ sign 114.087+/-0.035 $\chi^2$/NDF: 824909.7/43

All: 114.403+/-0.025 $\chi^2$/NDF: 1497524.4/87

- sign 114.710+/-0.035 $\chi^2$/NDF: 672455.4/43

# reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug




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

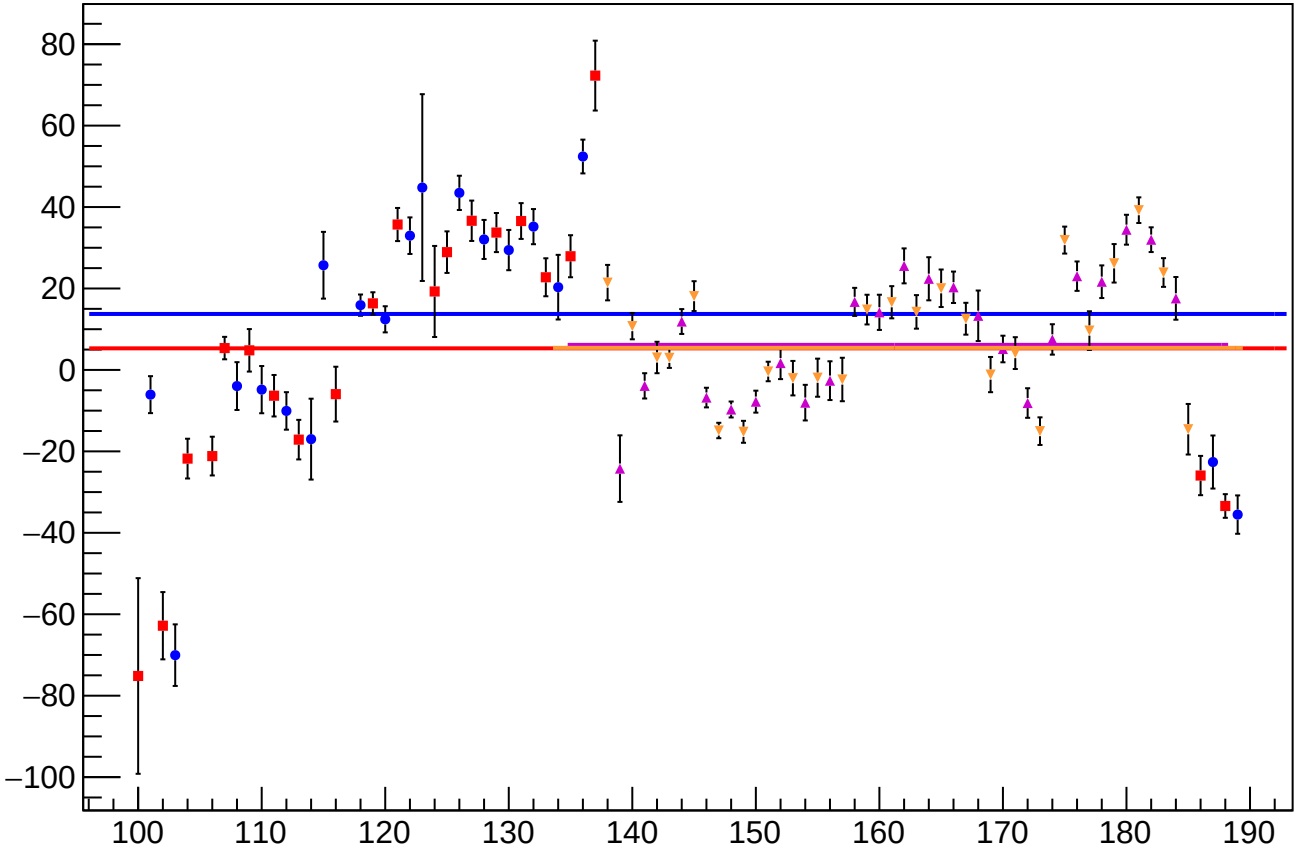
Left In: 190.279+/-0.949 $\chi^2$/NDF:2452.9/22

+ sign 189.602+/-0.876 $\chi^2$/NDF: 3914.9/26

All: 200.820+/-0.607 $\chi^2$/NDF: 8975.9/51

- sign 211.197+/-0.842 $\chi^2$/NDF: 4745.1/24

# reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug




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

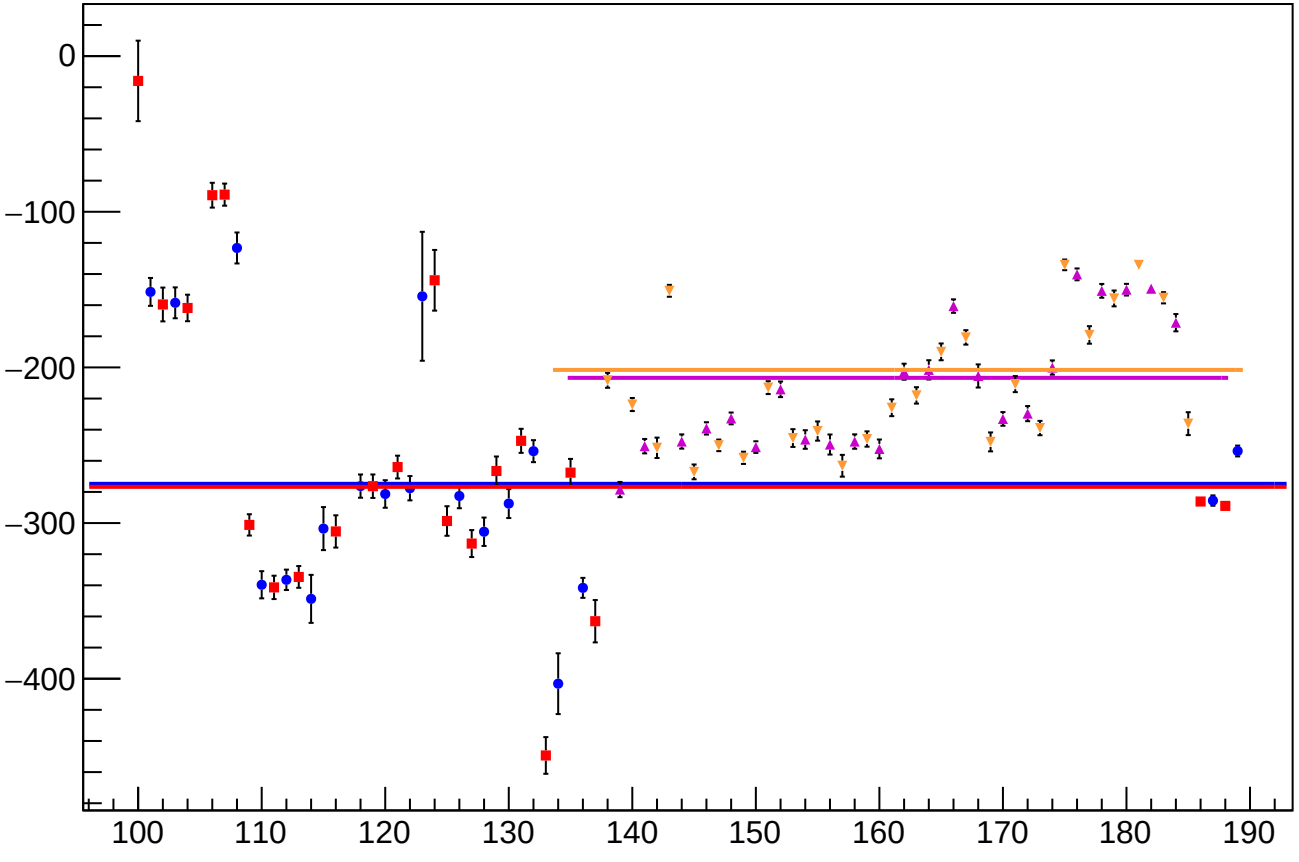
Left In: 6.151+/-0.730 $\chi^2$/NDF:410.6/22

+ sign 7.793+/-0.586 $\chi^2$/NDF: 1114.3/43

All: 6.828+/-0.415 $\chi^2$/NDF: 2235.5/87

- sign 5.853+/-0.589 $\chi^2$/NDF: 1115.8/43

# reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug




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

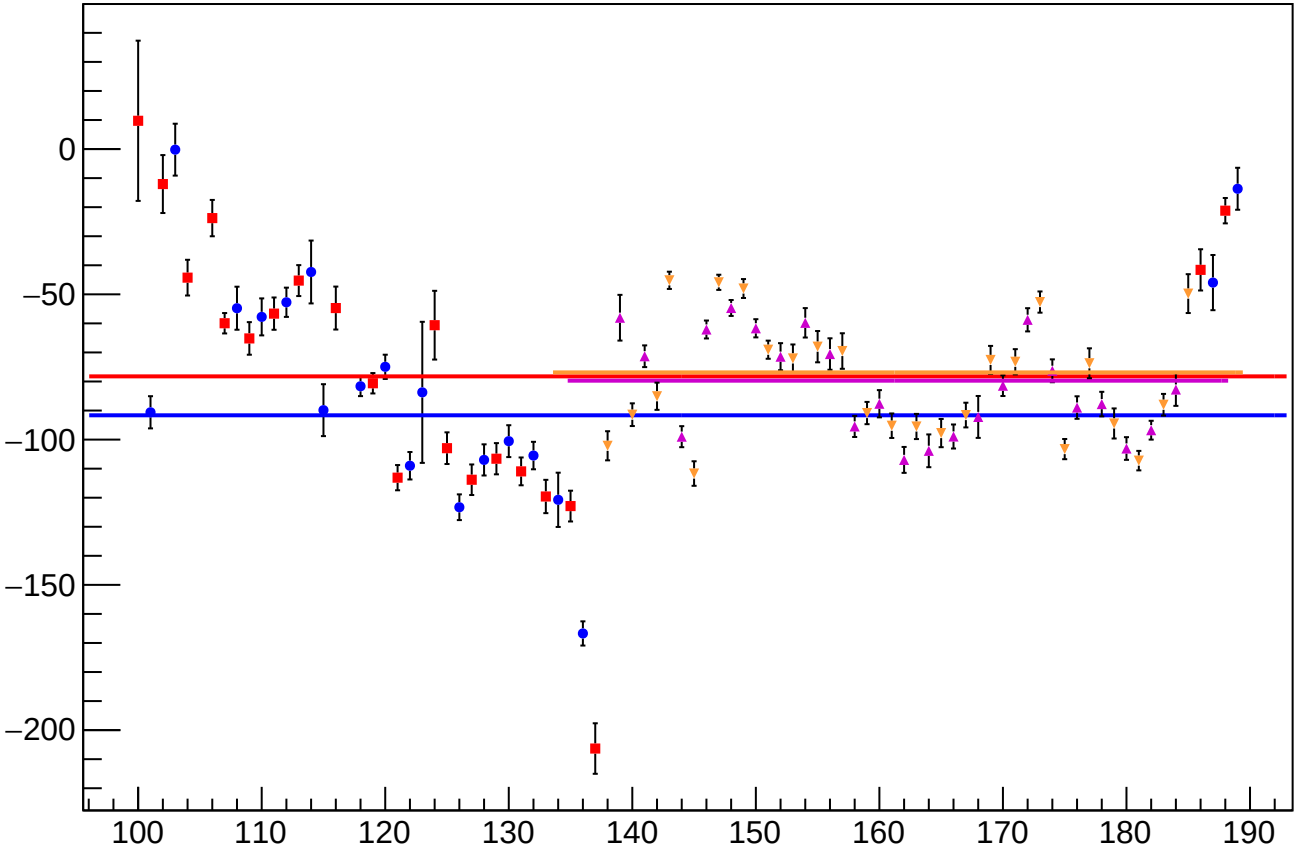
Left In: -206.700+/-0.946 $\chi^2$/NDF:2134.9/22

+ sign -219.698+/-0.800 $\chi^2$/NDF: 4978.5/43

All: -227.360+/-0.543 $\chi^2$/NDF: 11632.6/87

- sign -233.907+/-0.740 $\chi^2$/NDF: 6484.1/43

# reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug




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

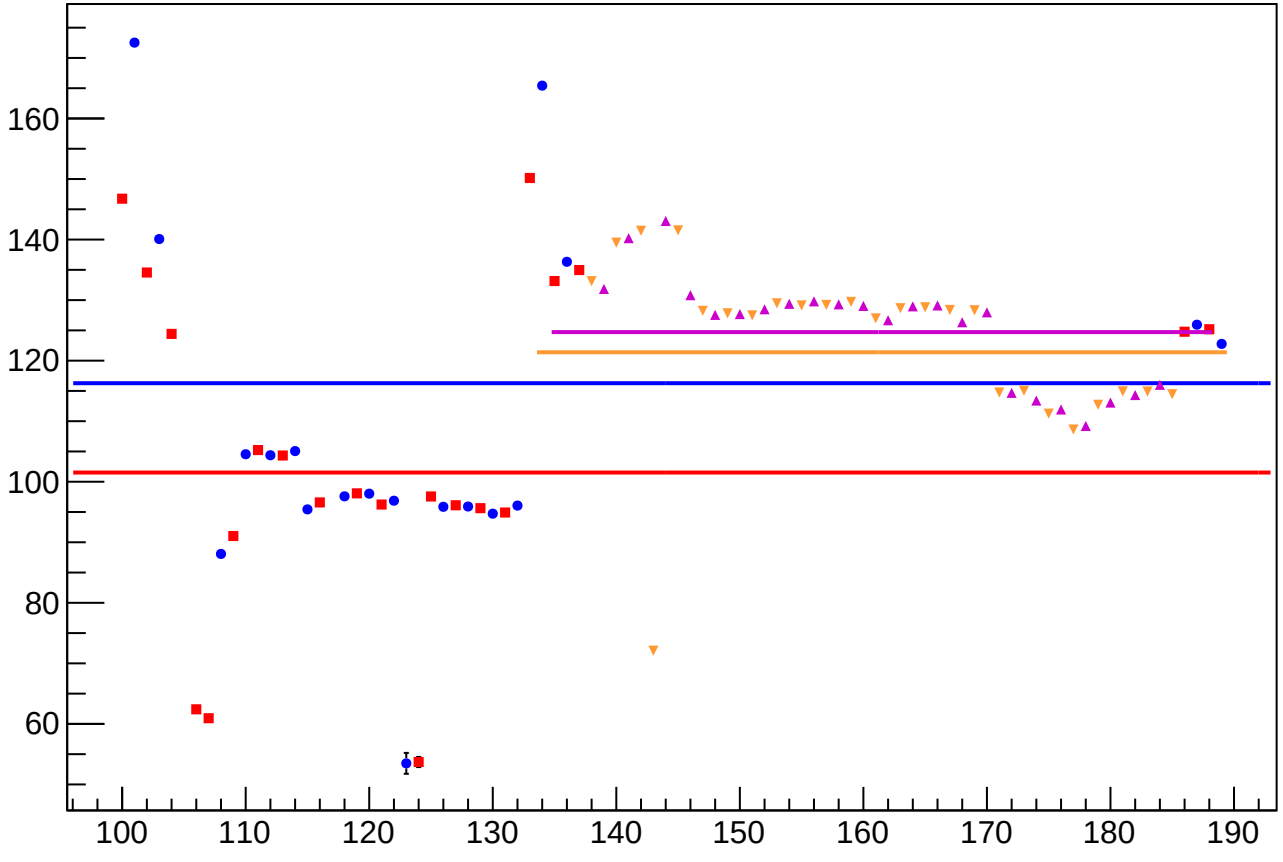
Left In: -79.719+/-0.837 $\chi^2$/NDF:415.2/22

+ sign -80.990+/-0.681 $\chi^2$/NDF: 1674.9/43

All: -80.115+/-0.483 $\chi^2$/NDF: 3096.4/87

- sign -79.229+/-0.685 $\chi^2$/NDF: 1418.1/43

# reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug




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

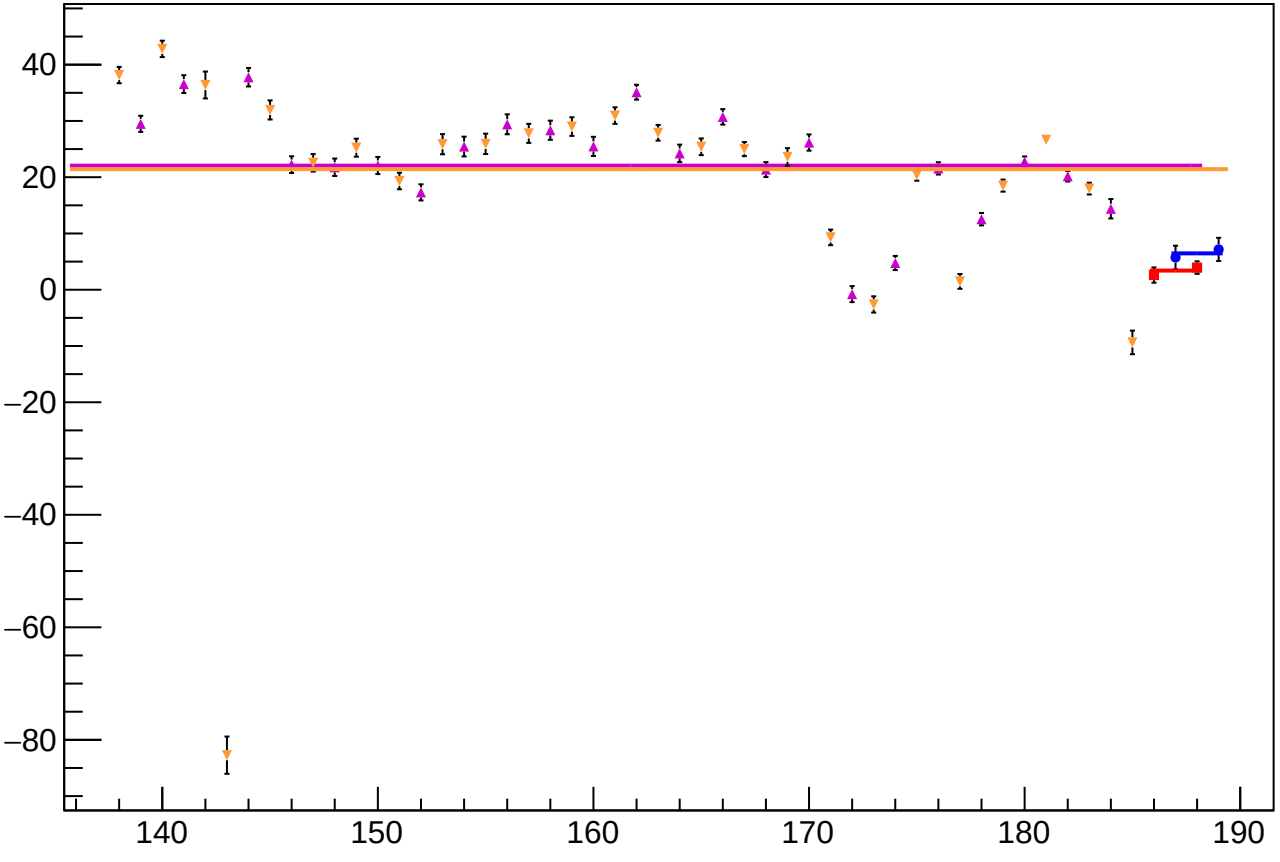
Left In: 124.714+/-0.039 $\chi^2$/NDF:51750.7/22

+ sign 120.335+/-0.034 $\chi^2$/NDF: 275670.4/43

All: 119.443+/-0.024 $\chi^2$/NDF: 609108.2/87

- sign 118.581+/-0.034 $\chi^2$/NDF: 332091.5/43

# reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug




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

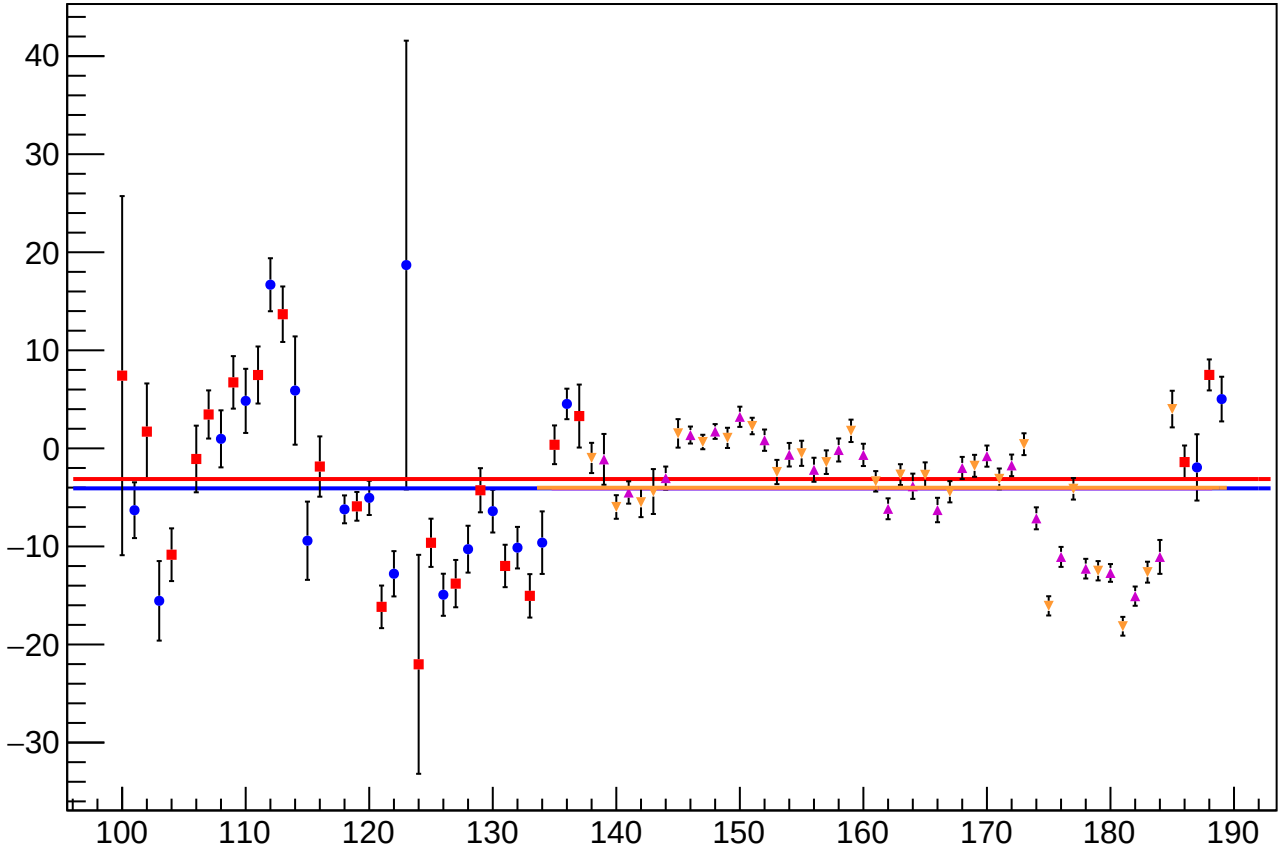
Left In: 22.055+/-0.284 $\chi^2$/NDF:941.3/22

+ sign 20.901+/-0.278 $\chi^2$/NDF: 2506.6/26

All: 20.554+/-0.193 $\chi^2$/NDF: 3873.7/51

- sign 20.226+/-0.270 $\chi^2$/NDF: 1364.1/24

# reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug




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

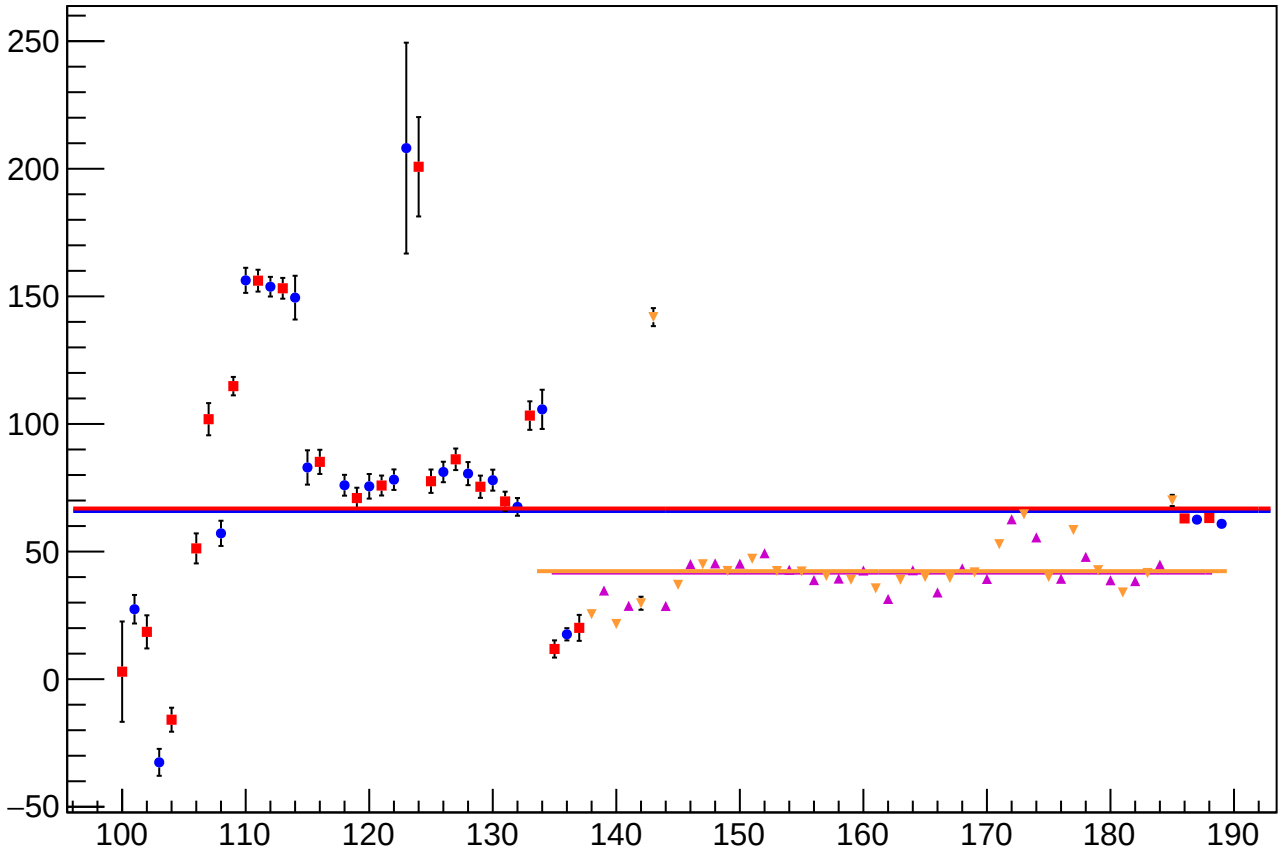
Left In: -4.069+/-0.227 $\chi^2$/NDF:580.1/22

+ sign -4.024+/-0.207 $\chi^2$/NDF: 924.2/43

All: -3.972+/-0.147 $\chi^2$/NDF: 1754.8/87

- sign -3.919+/-0.209 $\chi^2$/NDF: 830.5/43

# reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug




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

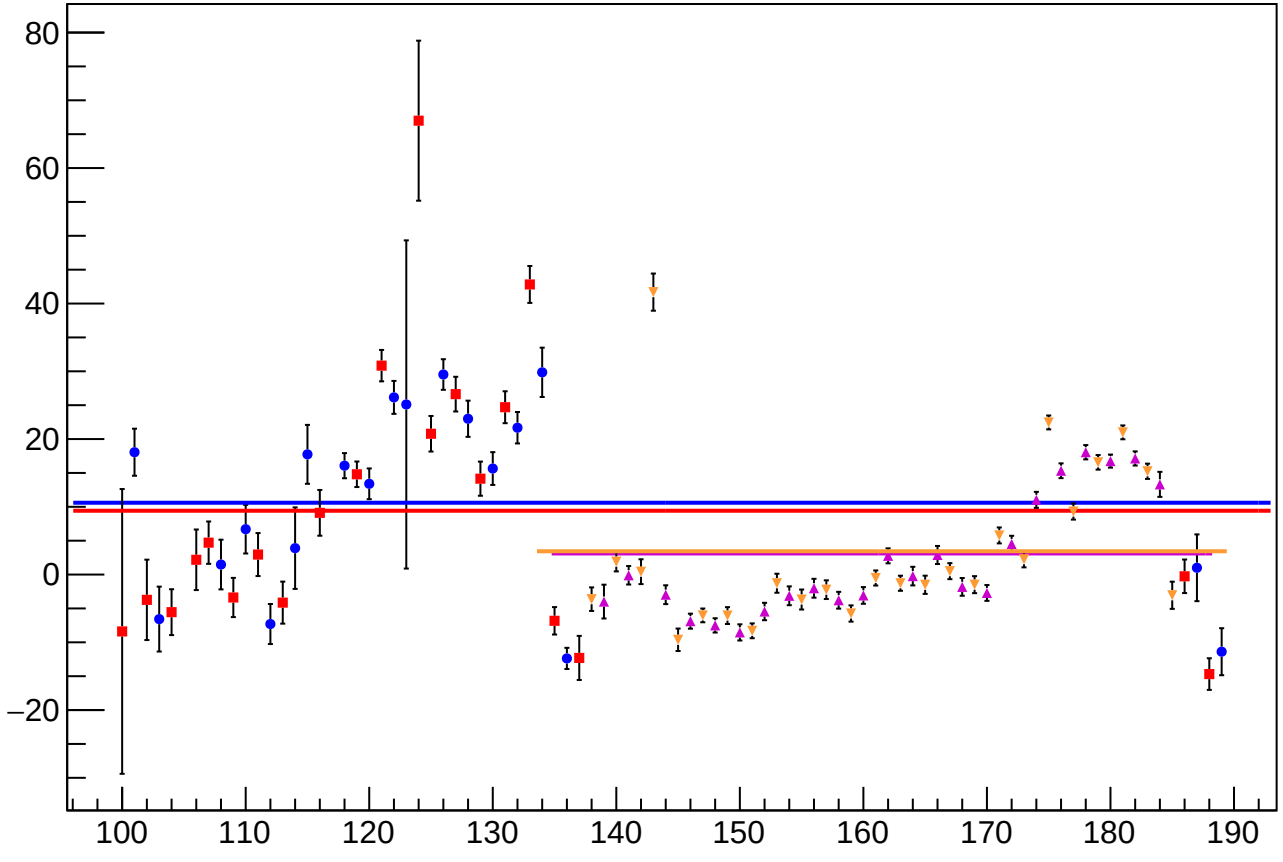
Left In: 41.755+/-0.283 $\chi^2$/NDF:659.6/22

+ sign 44.859+/-0.266 $\chi^2$/NDF: 4475.2/43

All: 45.747+/-0.184 $\chi^2$/NDF: 8657.3/87

- sign 46.556+/-0.255 $\chi^2$/NDF: 4160.9/43

# reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug




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

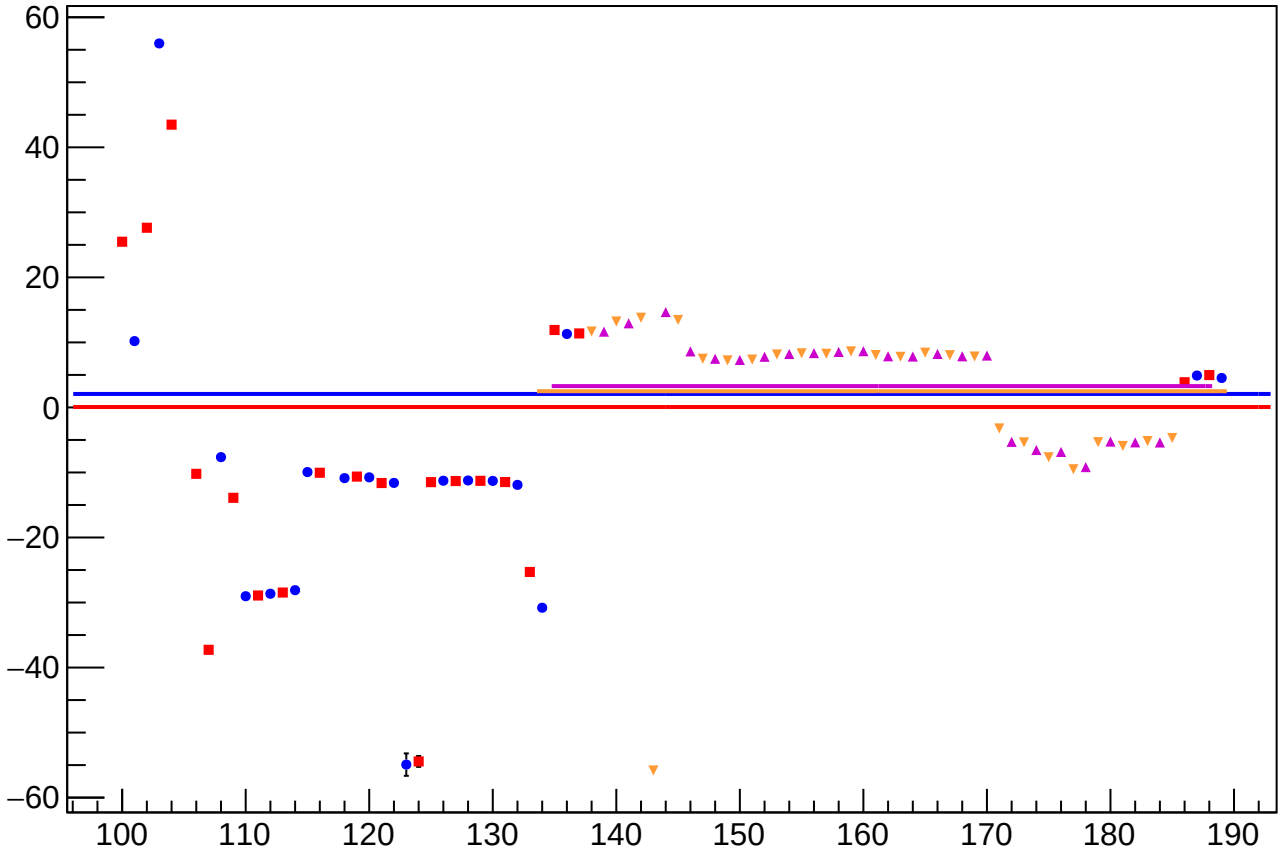
Left In: 3.114+/-0.256 $\chi^2$/NDF:1273.1/22

+ sign 4.401+/-0.235 $\chi^2$/NDF: 2280.1/43

All: 4.220+/-0.167 $\chi^2$/NDF: 4324.1/87

- sign 4.037+/-0.237 $\chi^2$/NDF: 2042.9/43

# reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug




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

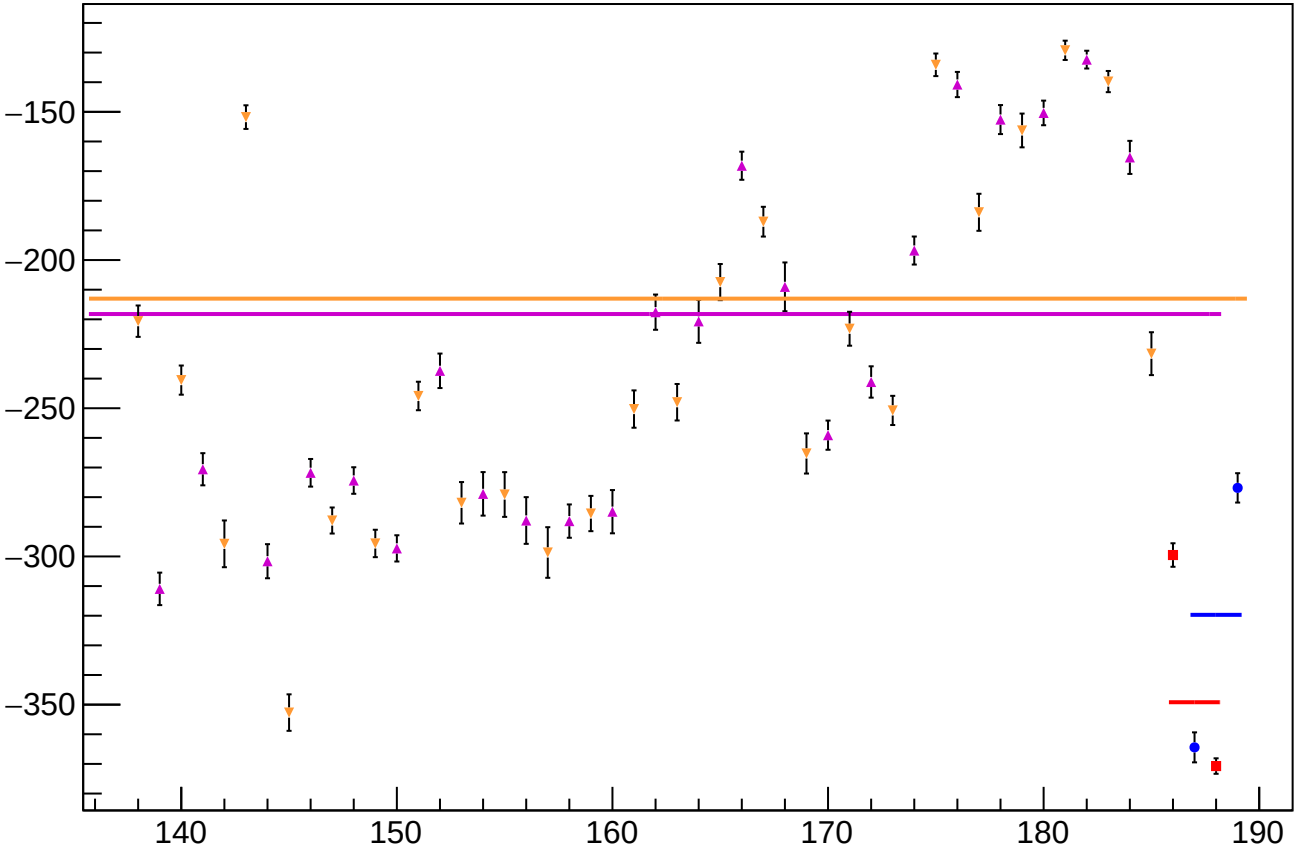
Left In: 3.281+/-0.012 $\chi^2$/NDF:409605.3/22

+ sign 2.456+/-0.011 $\chi^2$/NDF: 948120.5/43

All: 2.705+/-0.008 $\chi^2$/NDF: 1730953.4/87

- sign 2.954+/-0.011 $\chi^2$/NDF: 781808.4/43

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug




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

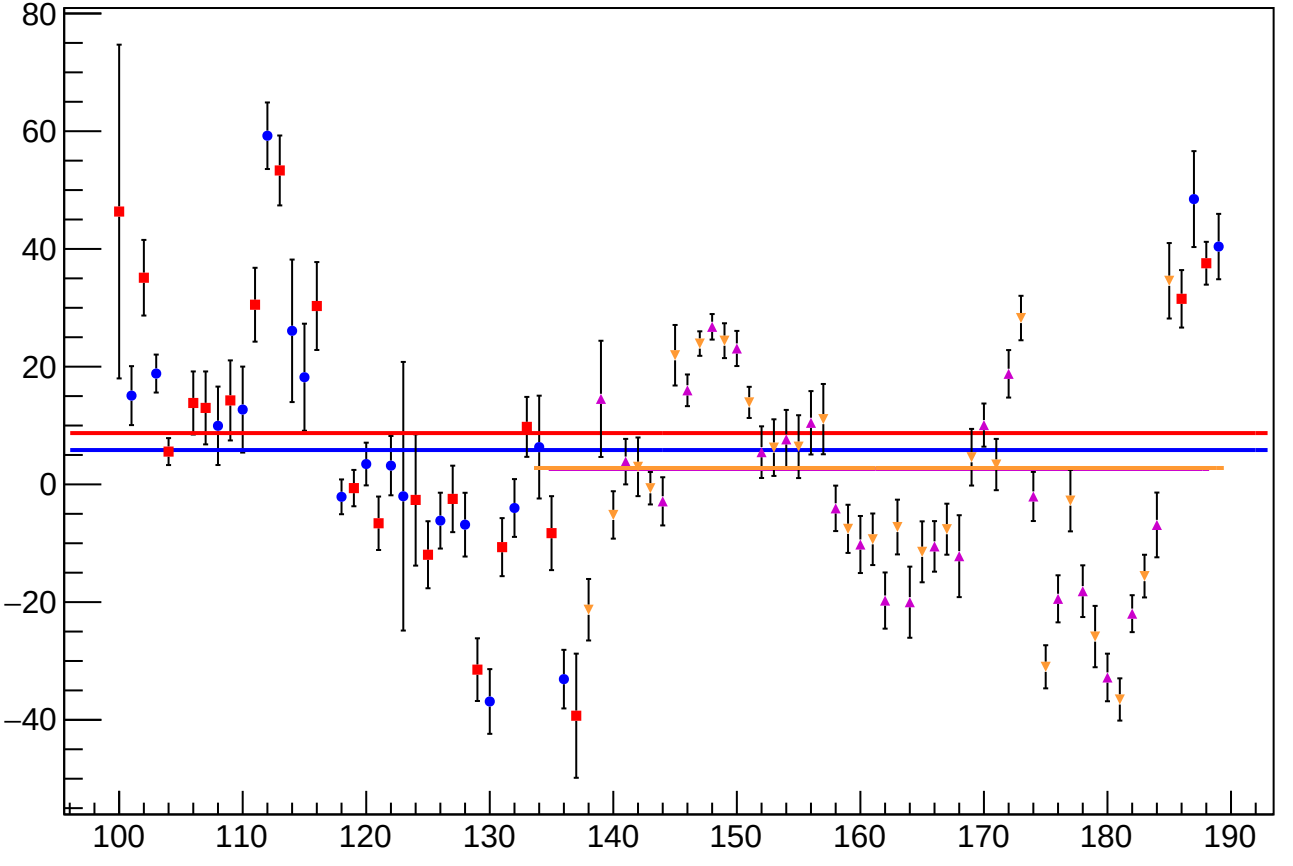
Left In: -218.216+/-1.063 $\chi^2$/NDF:3499.0/22

+ sign -221.425+/-0.994 $\chi^2$/NDF: 4815.4/26

All: -232.812+/-0.689 $\chi^2$/NDF: 11704.2/51

- sign -243.337+/-0.955 $\chi^2$/NDF: 6636.2/24

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug




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

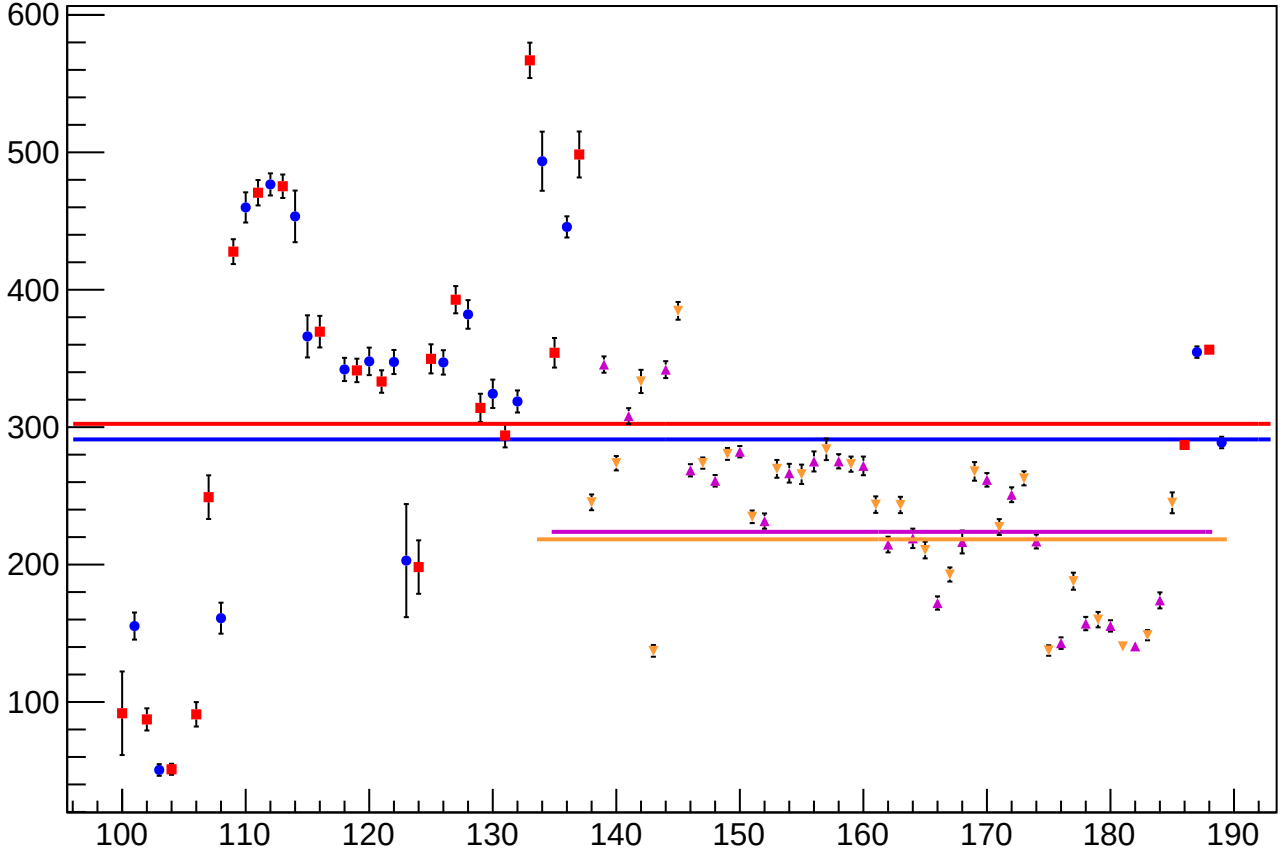
Left In: 2.619+/-0.821 $\chi^2$/NDF:477.6/22

+ sign 3.709+/-0.651 $\chi^2$/NDF: 913.1/43

All: 4.282+/-0.461 $\chi^2$/NDF: 1735.9/87

- sign 4.857+/-0.653 $\chi^2$/NDF: 821.3/43

# reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug




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

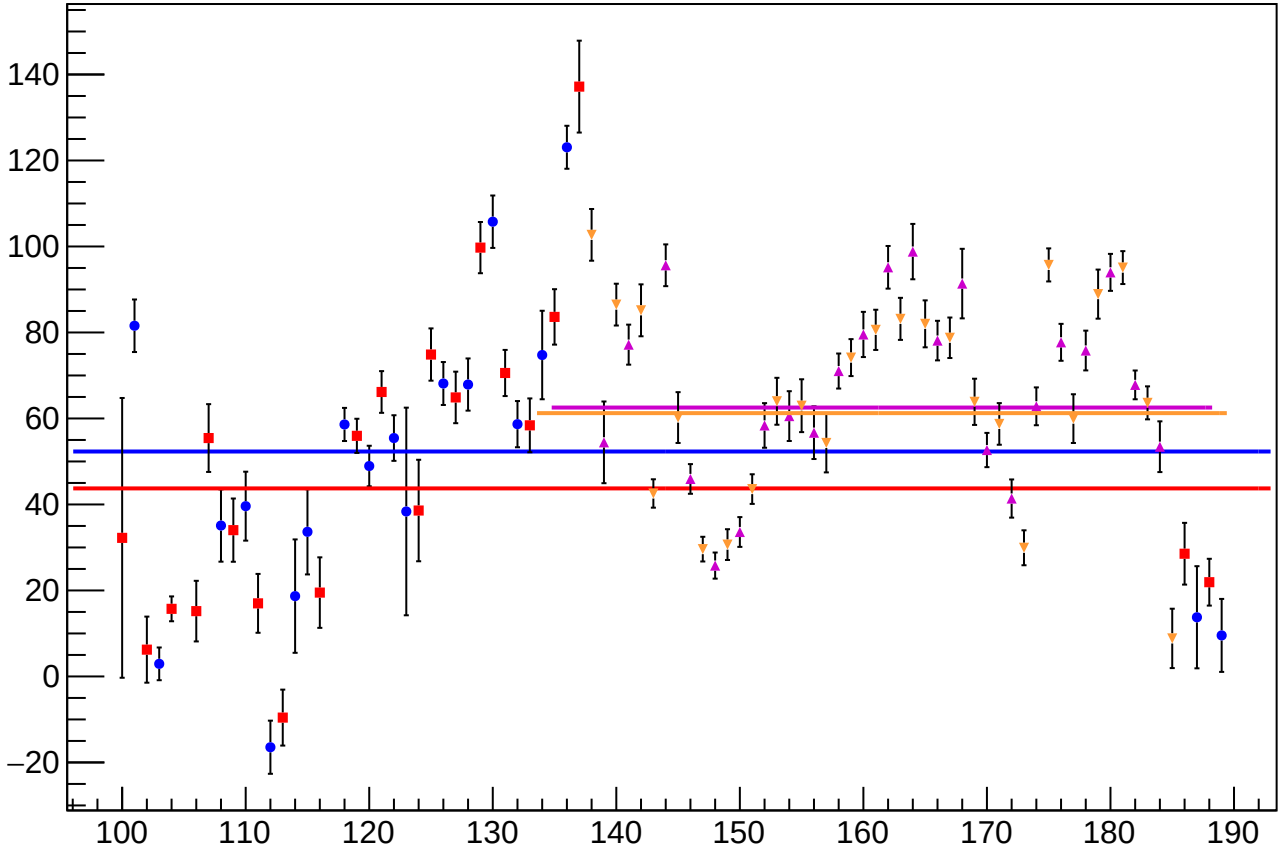
Left In: 223.827+/-1.058 $\chi^2$/NDF:3444.7/22

+ sign 237.177+/-0.894 $\chi^2$/NDF: 10371.1/43

All: 246.231+/-0.608 $\chi^2$/NDF: 23750.7/87

- sign 254.048+/-0.830 $\chi^2$/NDF: 13188.3/43

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug




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

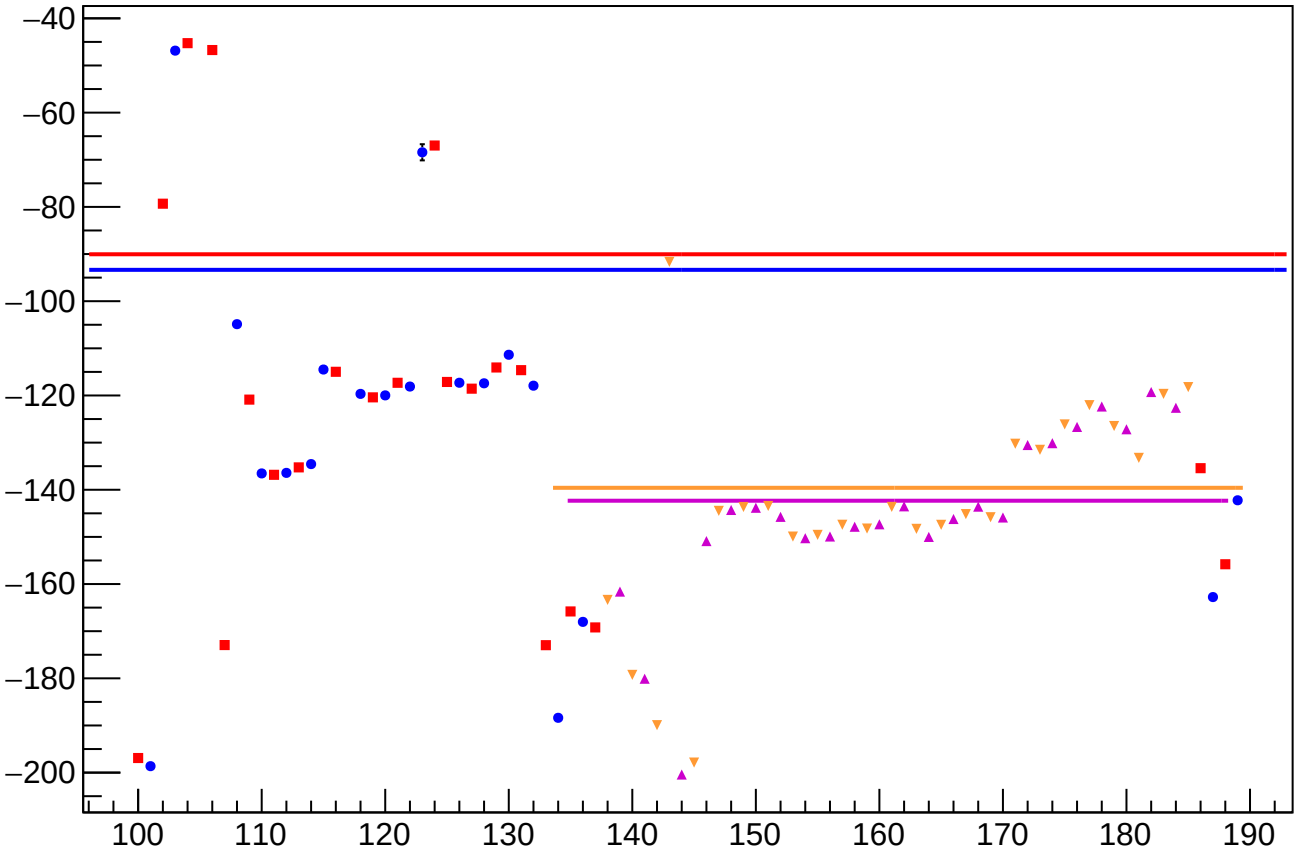
Left In: 62.538+/-0.940 $\chi^2$/NDF:520.0/22

+ sign 58.596+/-0.757 $\chi^2$/NDF: 1419.6/43

All: 57.334+/-0.537 $\chi^2$/NDF: 2636.3/87

- sign 56.059+/-0.761 $\chi^2$/NDF: 1211.1/43

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug




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

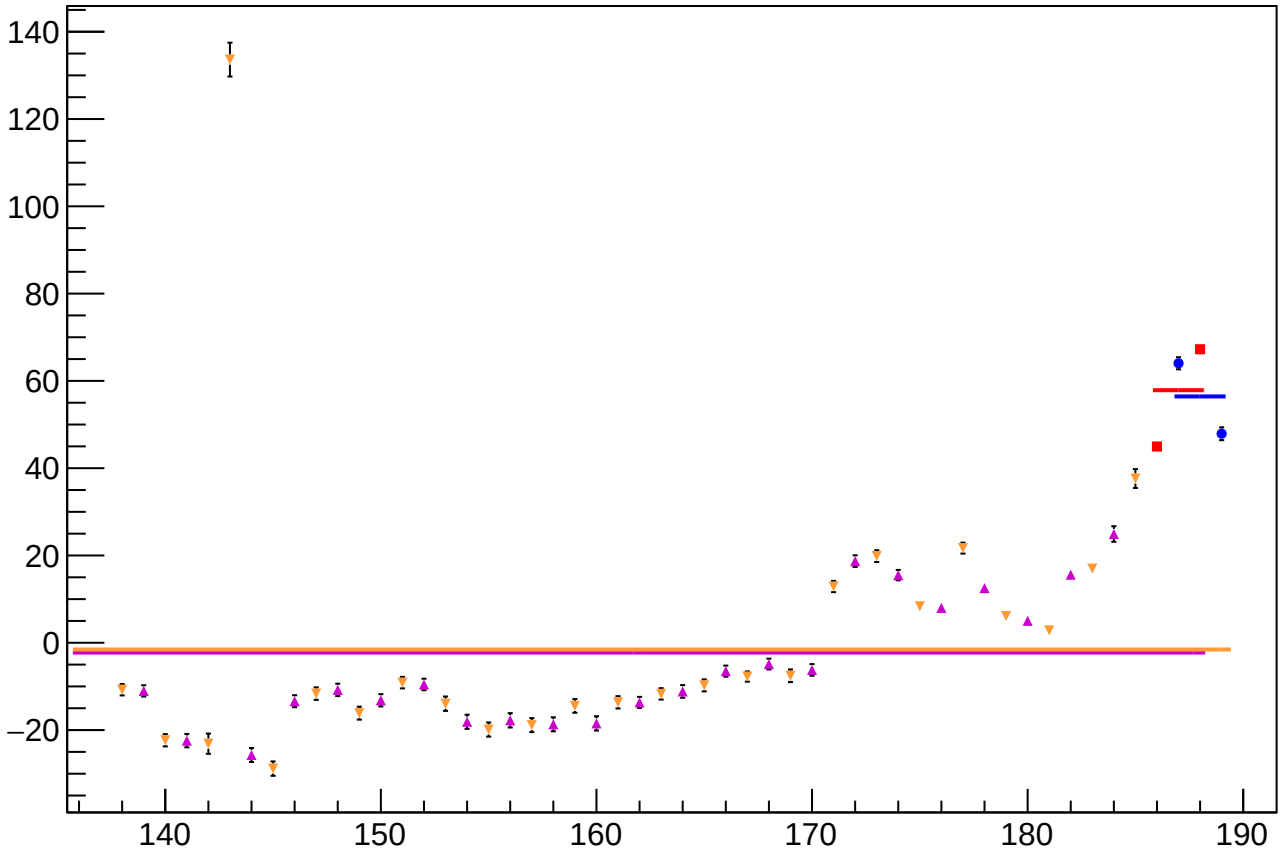
Left In: -142.326+/-0.044 $\chi^2$/NDF:144642.3/22

+ sign -125.805+/-0.036 $\chi^2$/NDF: 1150214.8/43

All: -125.499+/-0.025 $\chi^2$/NDF: 2322176.8/87

- sign -125.195+/-0.036 $\chi^2$/NDF: 1171819.1/43

# reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug




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

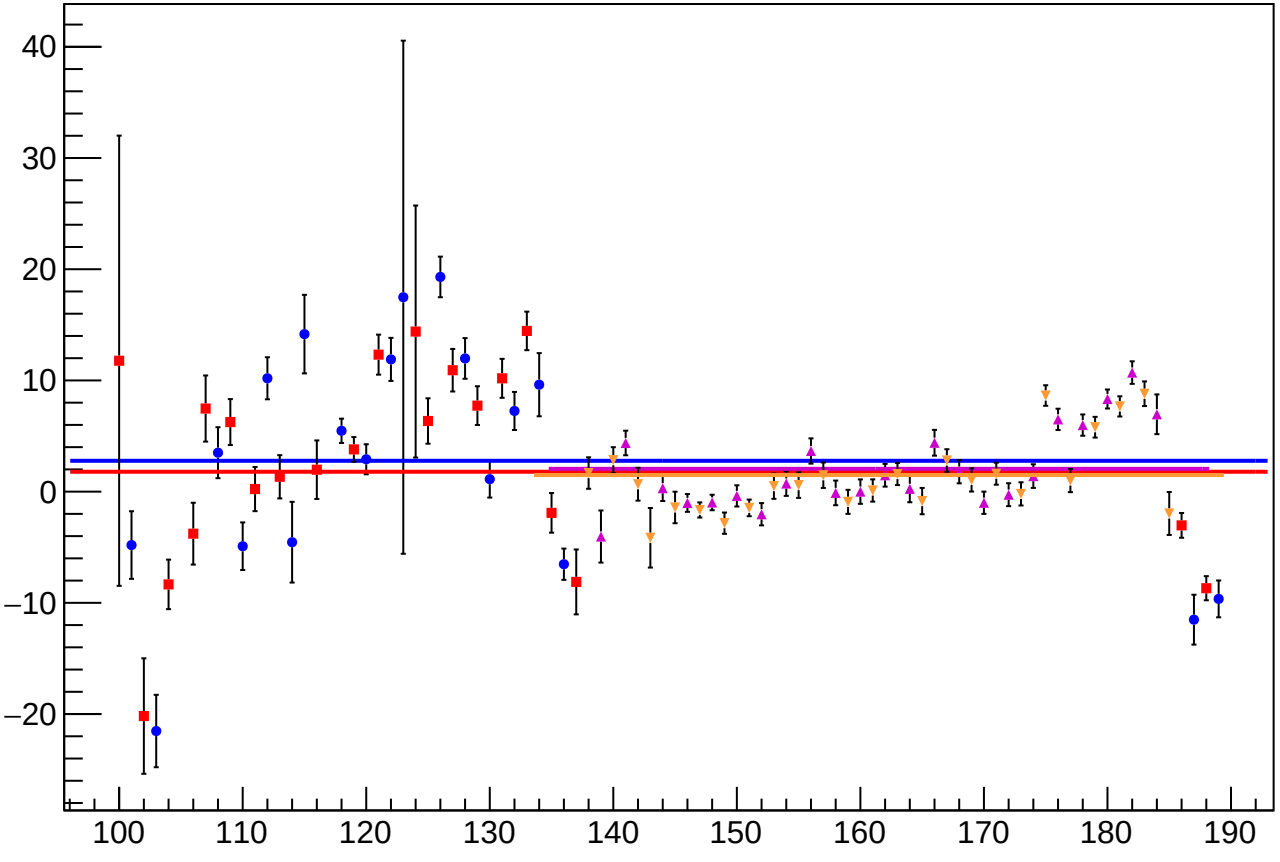
Left In: -2.244+/-0.270 $\chi^2$/NDF:2561.6/22

+ sign 2.244+/-0.259 $\chi^2$/NDF: 7253.5/26

All: 5.359+/-0.178 $\chi^2$/NDF: 19041.3/51

- sign 8.153+/-0.245 $\chi^2$/NDF: 11513.1/24

# reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug




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

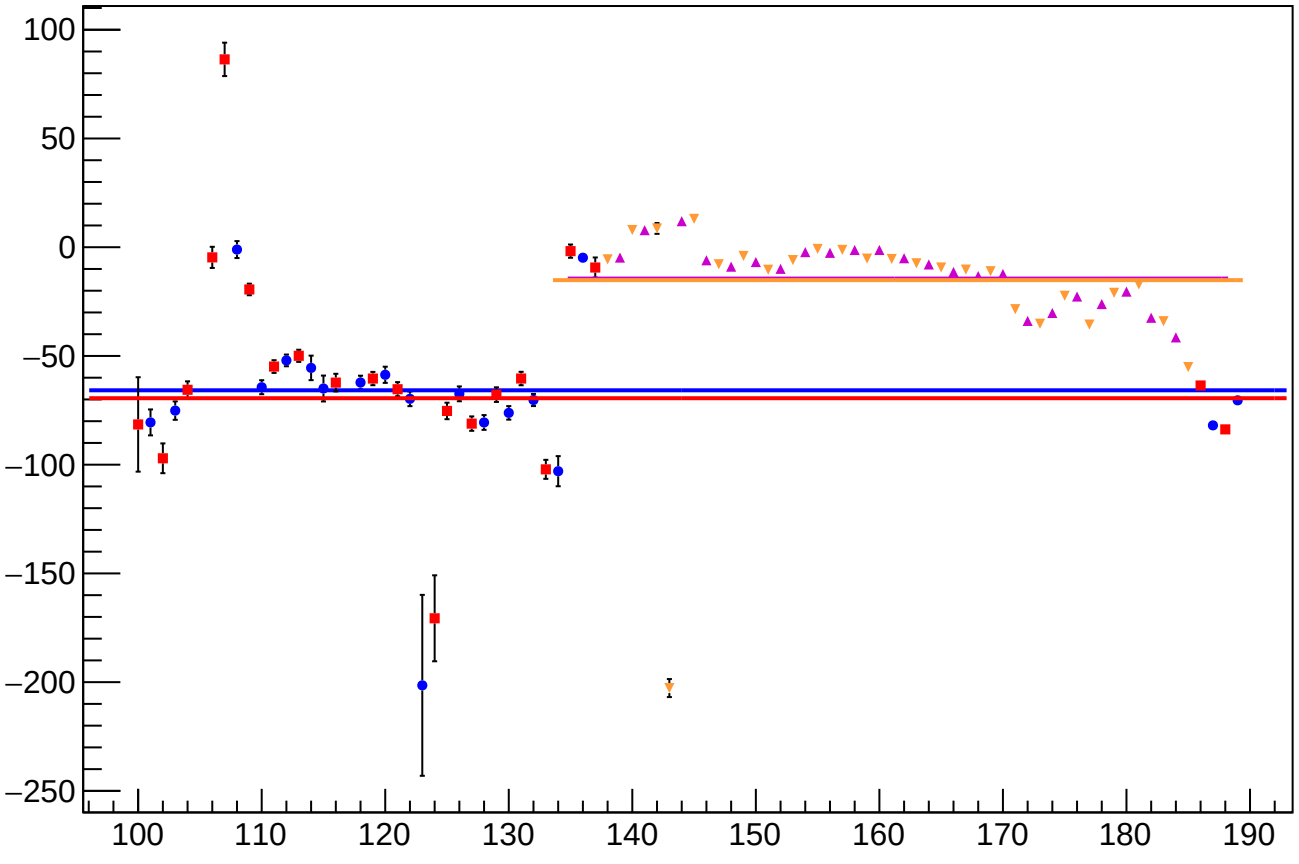
Left In: 2.051+/-0.215 $\chi^2$/NDF:275.4/22

+ sign 1.732+/-0.190 $\chi^2$/NDF: 660.2/43

All: 1.863+/-0.134 $\chi^2$/NDF: 1271.4/87

- sign 1.993+/-0.190 $\chi^2$/NDF: 610.2/43

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug




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

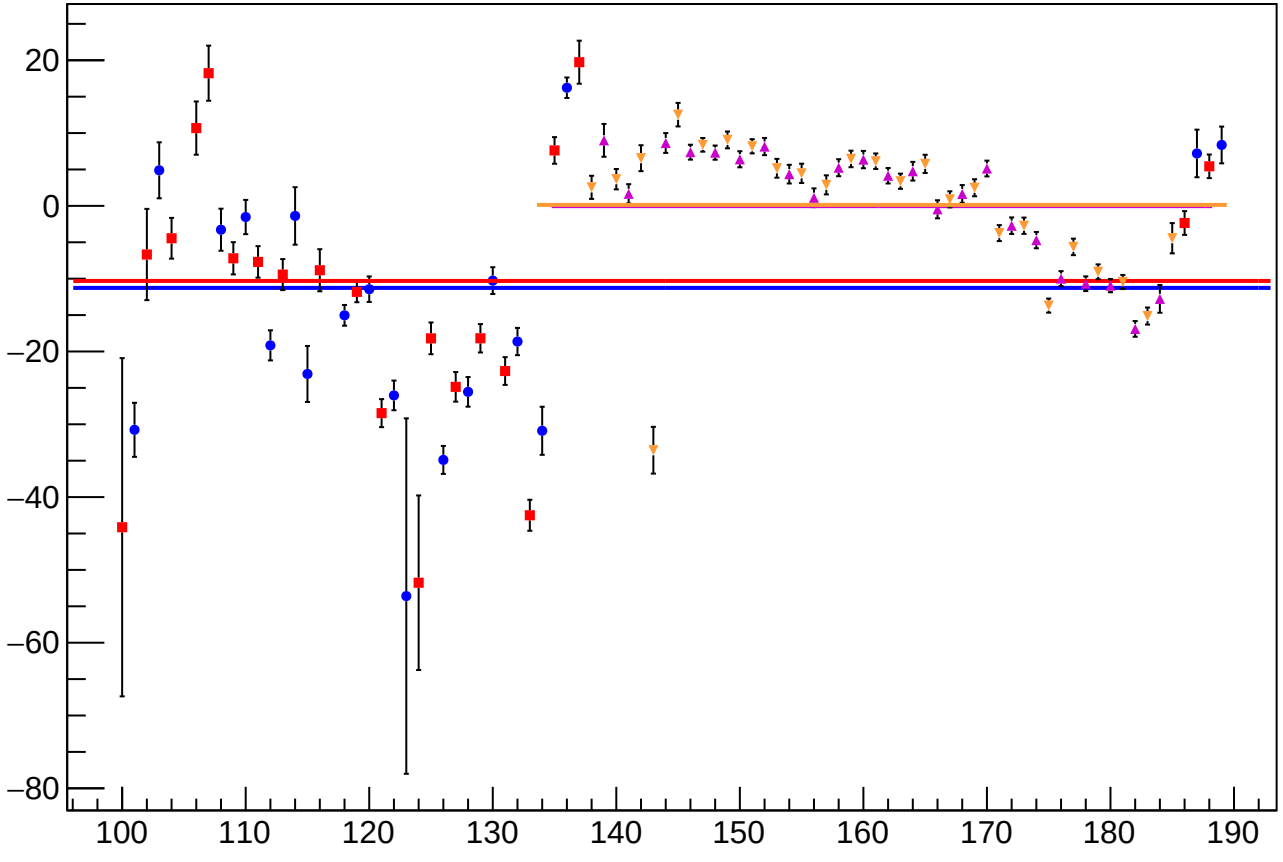
Left In: -14.415+/-0.268 $\chi^2$/NDF:2065.7/22

+ sign -23.462+/-0.244 $\chi^2$/NDF: 11772.4/43

All: -27.354+/-0.165 $\chi^2$/NDF: 29161.2/87

- sign -30.665+/-0.225 $\chi^2$/NDF: 16917.8/43

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug




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

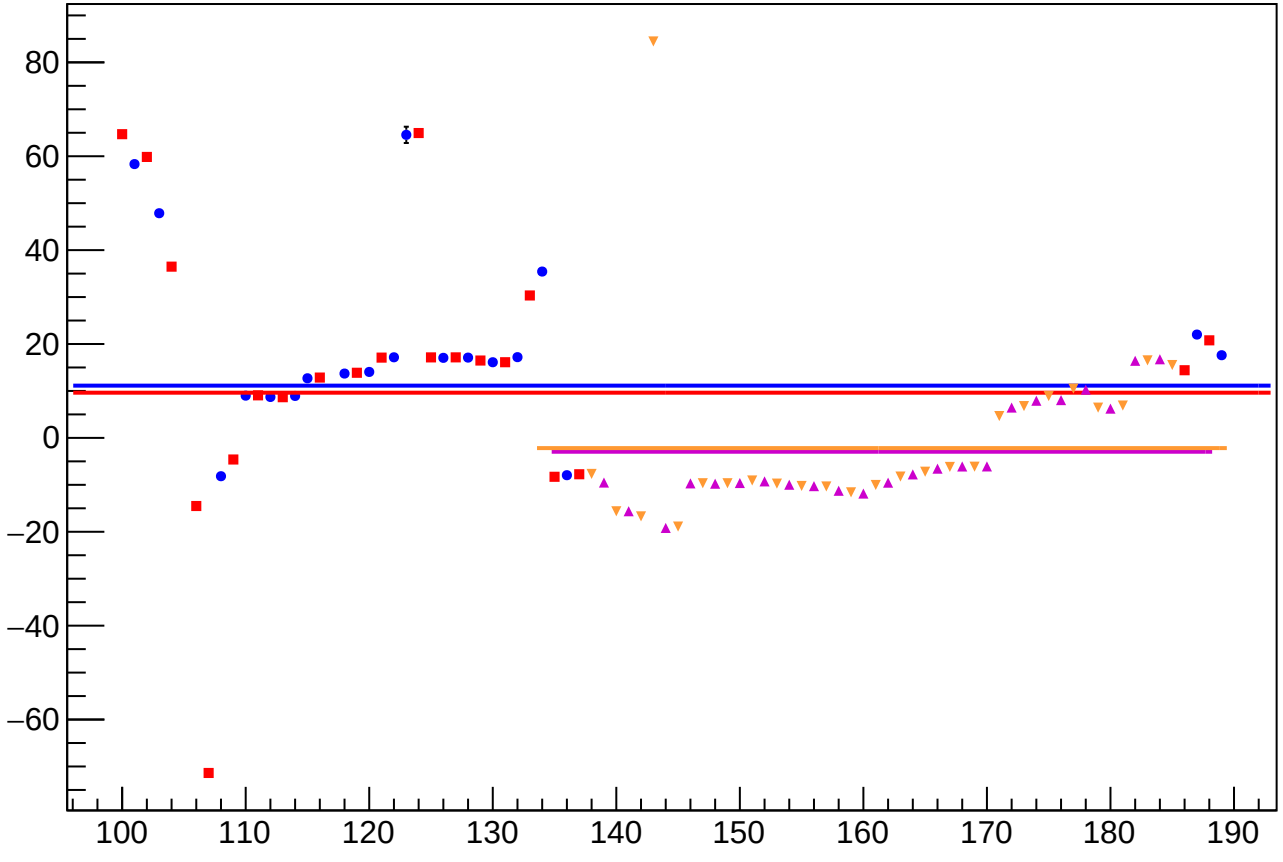
Left In: -0.036+/-0.242 $\chi^2$/NDF:1027.6/22

+ sign -1.894+/-0.216 $\chi^2$/NDF: 2440.7/43

All: -1.983+/-0.153 $\chi^2$/NDF: 4696.6/87

- sign -2.073+/-0.217 $\chi^2$/NDF: 2255.6/43

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug




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

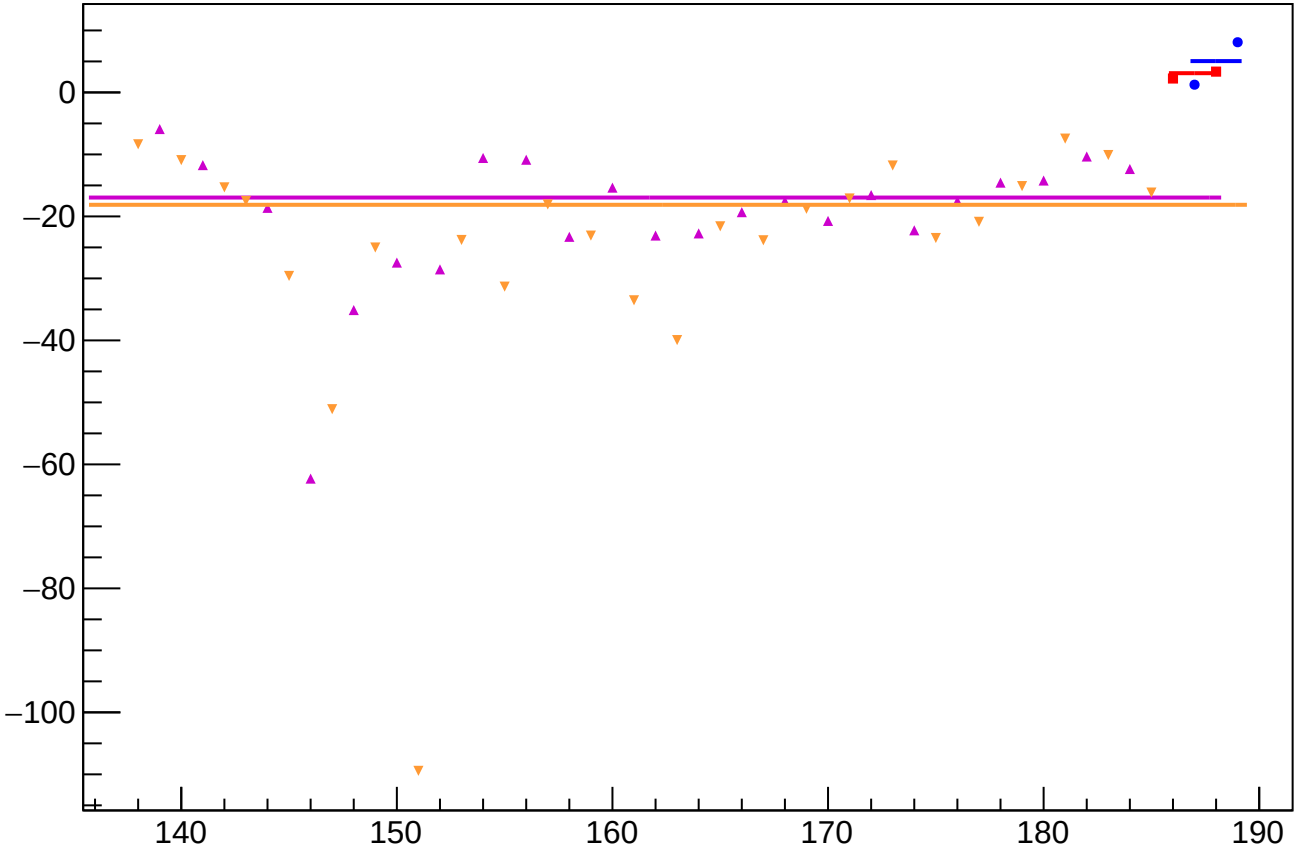
Left In: -2.949+/-0.011 $\chi^2$/NDF:770702.4/22

+ sign -0.534+/-0.010 $\chi^2$/NDF: 1618833.0/43

All: -0.928+/-0.007 $\chi^2$/NDF: 3131673.9/87

- sign -1.321+/-0.010 $\chi^2$/NDF: 1509882.0/43

# reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug




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

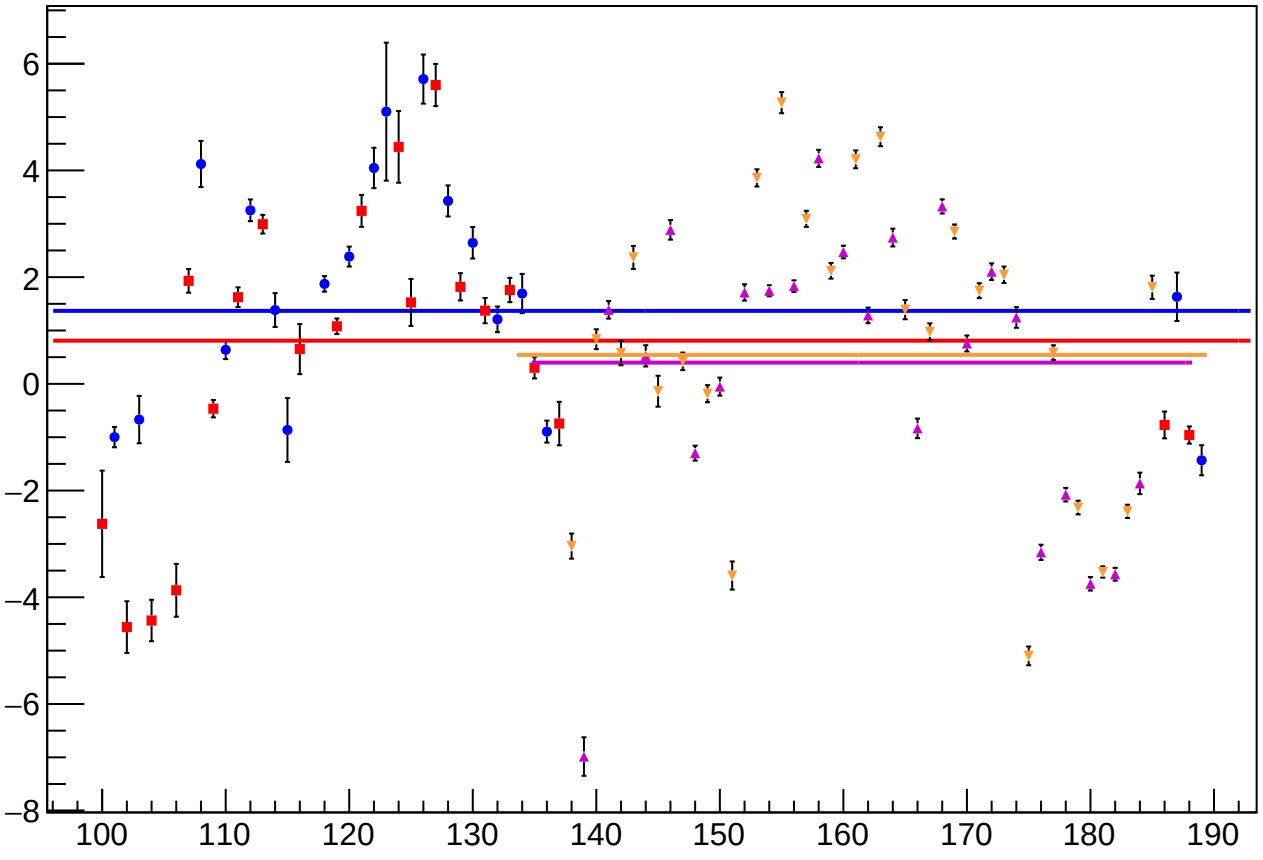
Left In: -16.958+/-0.038 $\chi^2$/NDF:44759.9/22

+ sign -17.170+/-0.038 $\chi^2$/NDF: 103461.0/26

All: -15.622+/-0.026 $\chi^2$/NDF: 188364.7/51

- sign -14.290+/-0.035 $\chi^2$/NDF: 81840.4/24

# reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug




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

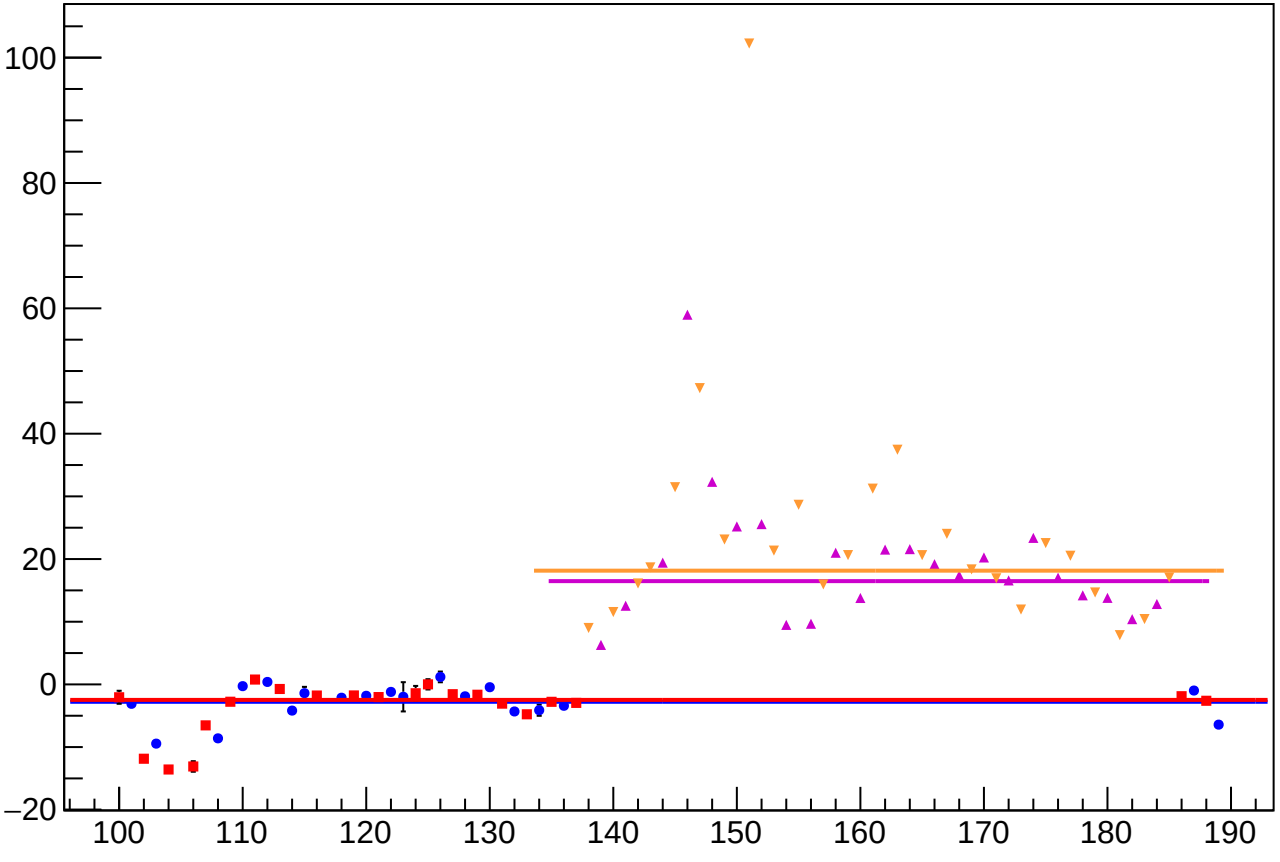
Left In: 0.398+/-0.031 $\chi^2$/NDF:6286.3/22

+ sign 0.733+/-0.028 $\chi^2$/NDF: 8029.6/43

All: 0.609+/-0.019 $\chi^2$/NDF: 15530.9/87

- sign 0.500+/-0.027 $\chi^2$/NDF: 7465.3/43

# reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug




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

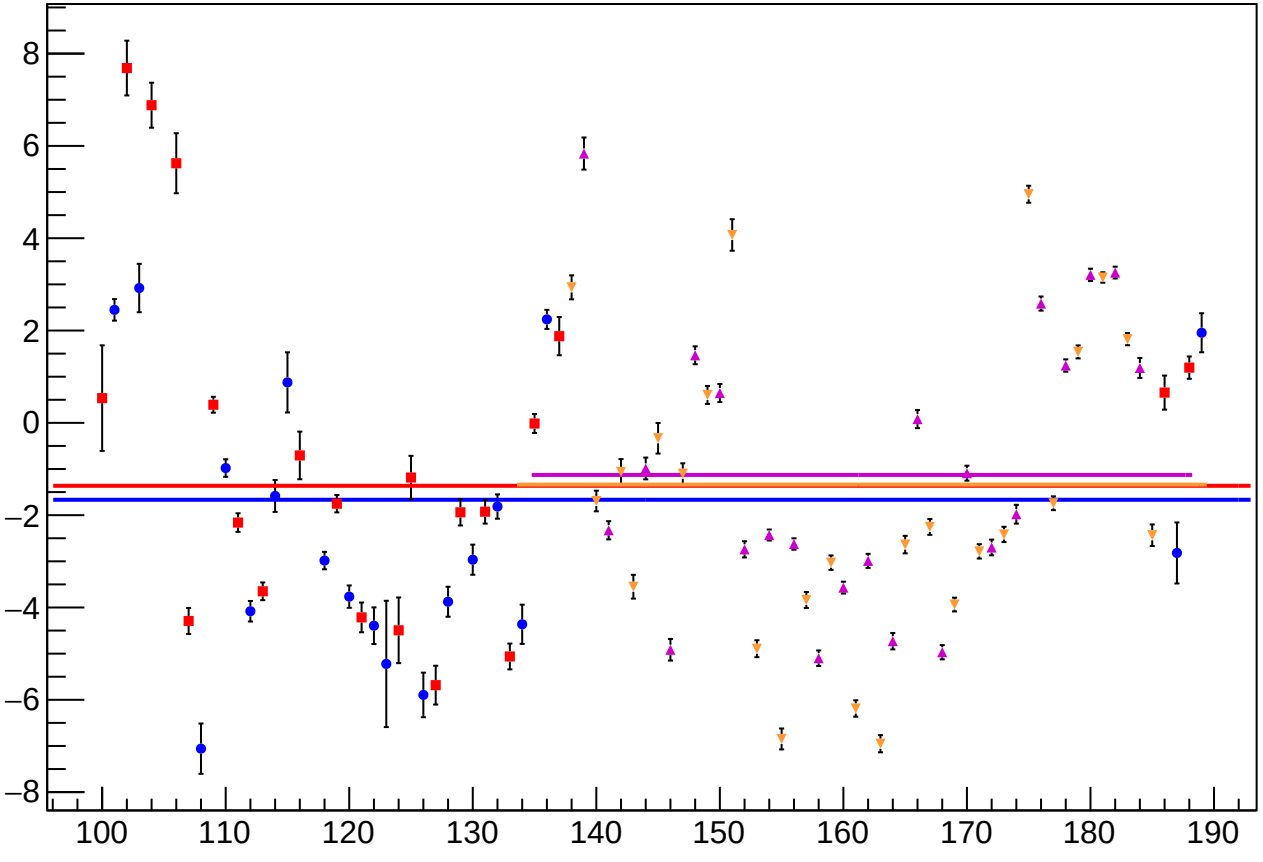
Left In: 16.477+/-0.038 $\chi^2$/NDF:41326.5/22

+ sign 14.843+/-0.036 $\chi^2$/NDF: 123771.9/43

All: 12.866+/-0.024 $\chi^2$/NDF: 240894.9/87

- sign 11.291+/-0.032 $\chi^2$/NDF: 111677.1/43

# reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug




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

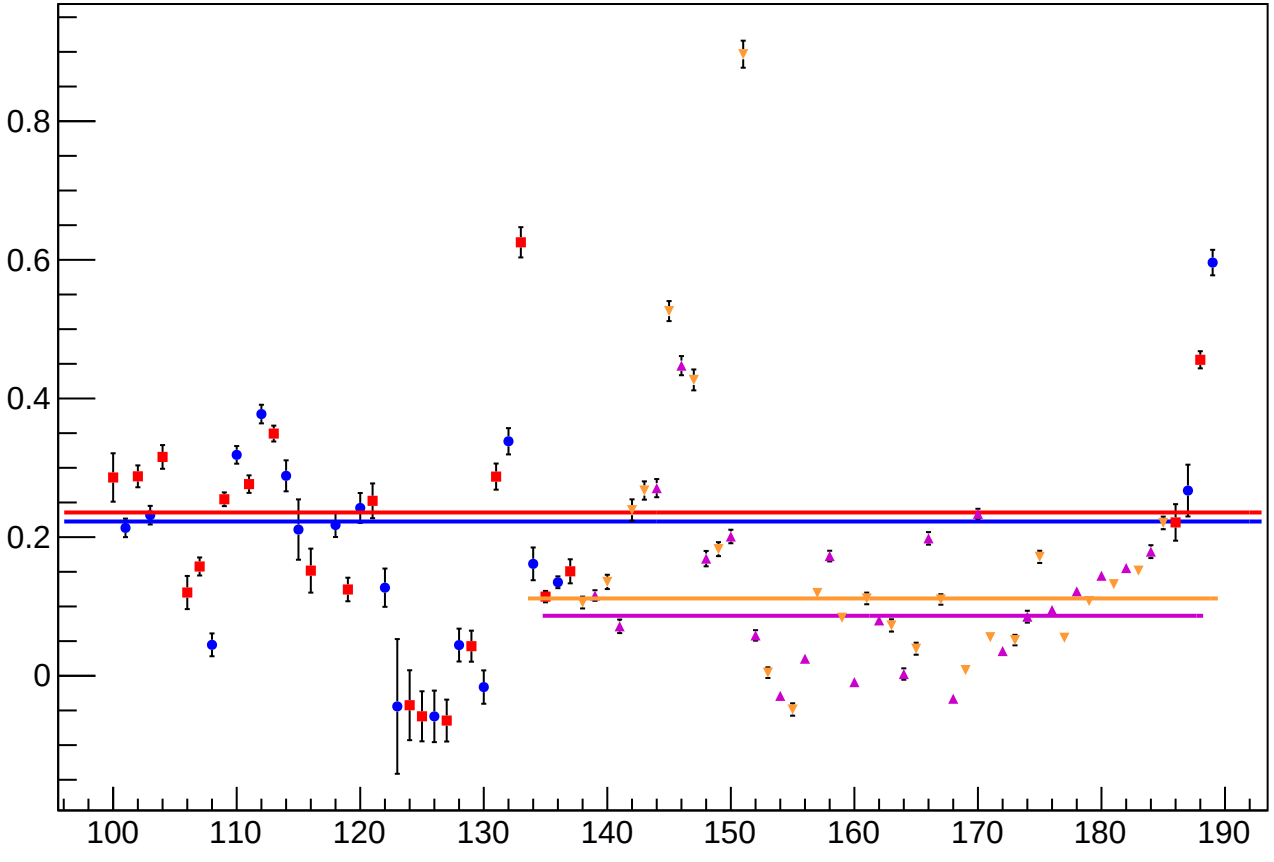
Left In: -1.129+/-0.034 $\chi^2$/NDF:6778.7/22

+ sign -1.408+/-0.032 $\chi^2$/NDF: 9361.4/43

All: -1.288+/-0.022 $\chi^2$/NDF: 17822.3/87

- sign -1.182+/-0.030 $\chi^2$/NDF: 8434.3/43

# reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug




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

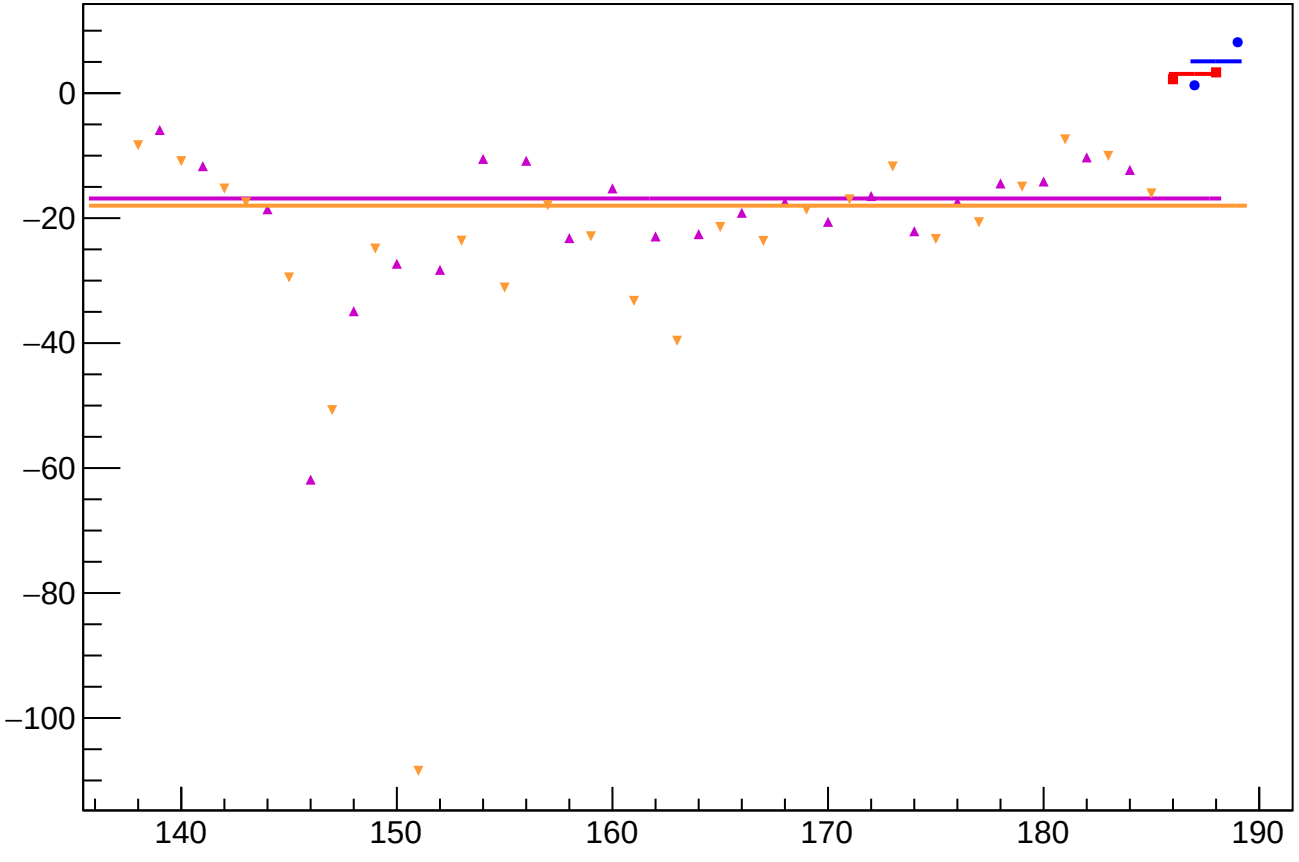
Left In: 0.087+/-0.001 $\chi^2$/NDF:3661.4/22

+ sign 0.127+/-0.001 $\chi^2$/NDF: 6234.3/43

All: 0.118+/-0.001 $\chi^2$/NDF: 12909.3/87

- sign 0.110+/-0.001 $\chi^2$/NDF: 6601.6/43

# reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug




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

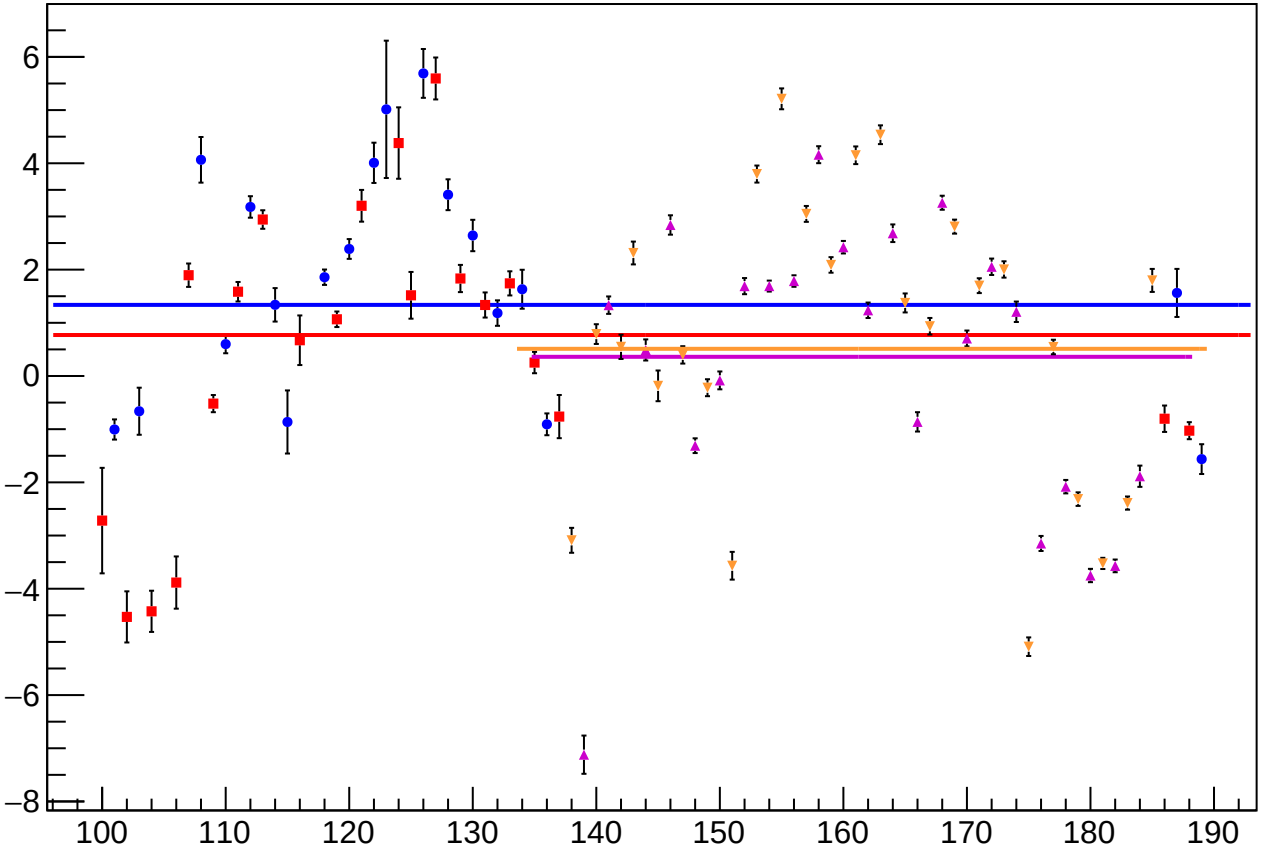
Left In: -16.854+/-0.038 $\chi^2$/NDF:44680.7/22

+ sign -17.056+/-0.038 $\chi^2$/NDF: 103323.4/26

All: -15.509+/-0.026 $\chi^2$/NDF: 188557.8/51

- sign -14.179+/-0.035 $\chi^2$/NDF: 82132.4/24

# reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug




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

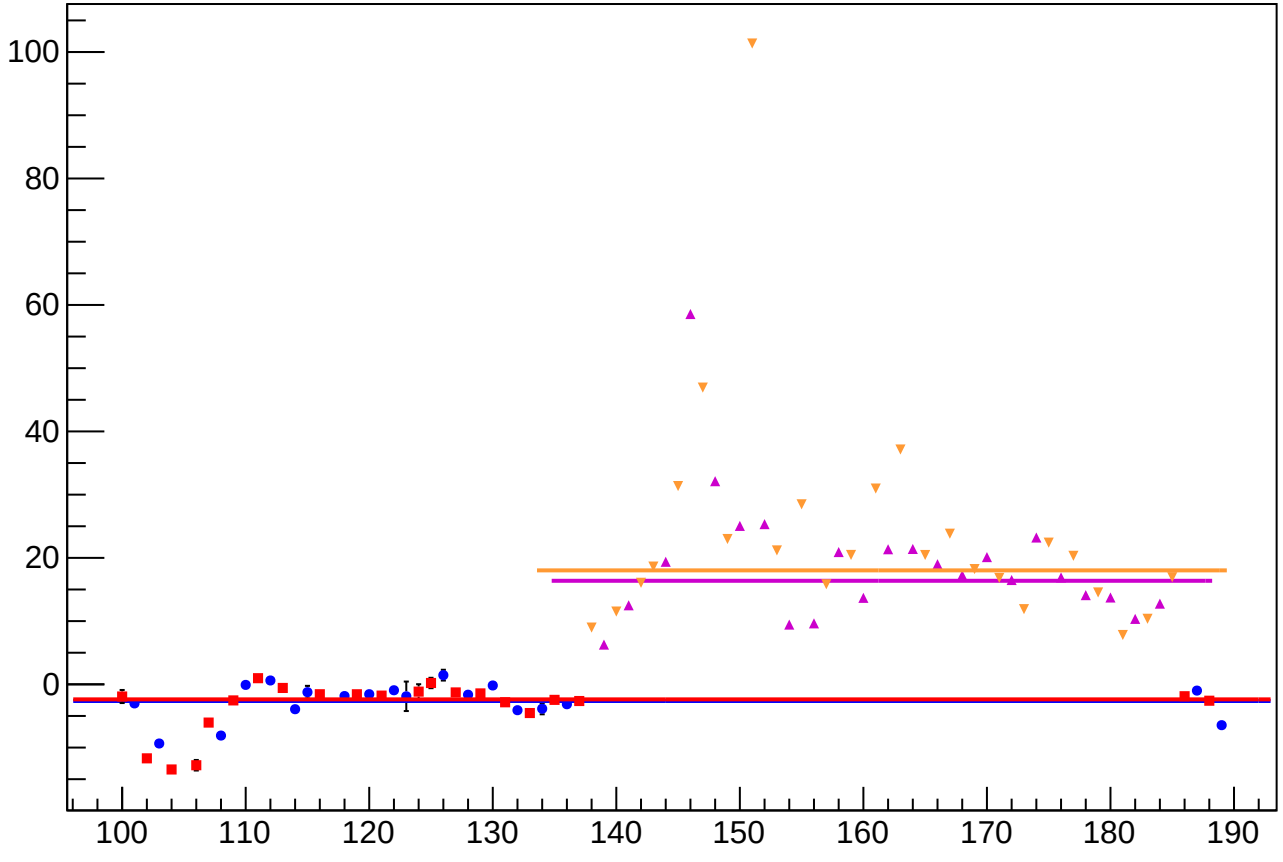
Left In: 0.361+/-0.030 $\chi^2$/NDF:6273.5/22

+ sign 0.701+/-0.028 $\chi^2$/NDF: 8024.4/43

All: 0.574+/-0.019 $\chi^2$/NDF: 15530.1/87

- sign 0.462+/-0.026 $\chi^2$/NDF: 7467.4/43

# reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug




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

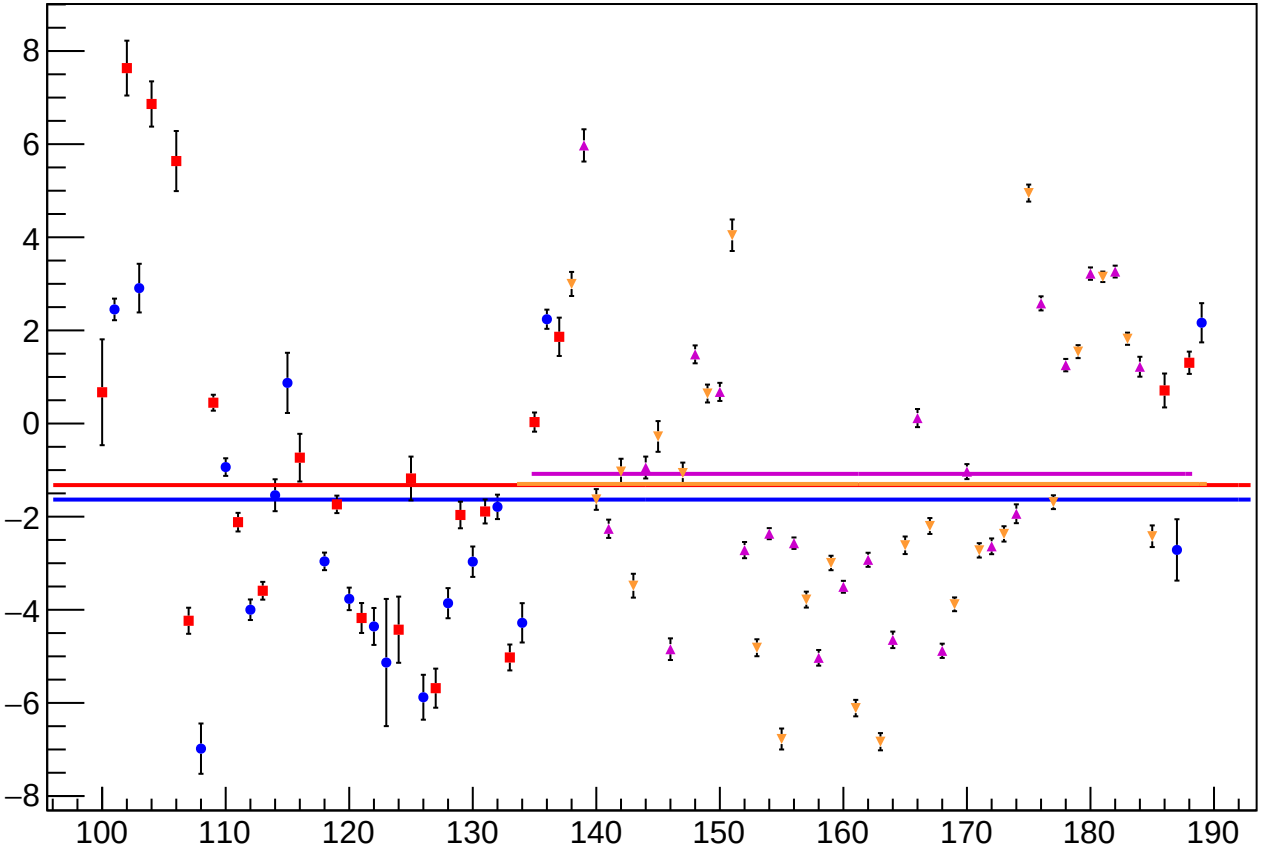
Left In: 16.377+/-0.037 $\chi^2$/NDF:41253.5/22

+ sign 14.775+/-0.036 $\chi^2$/NDF: 122987.5/43

All: 12.798+/-0.024 $\chi^2$/NDF: 239859.2/87

- sign 11.224+/-0.032 $\chi^2$/NDF: 111356.3/43

# reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug




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

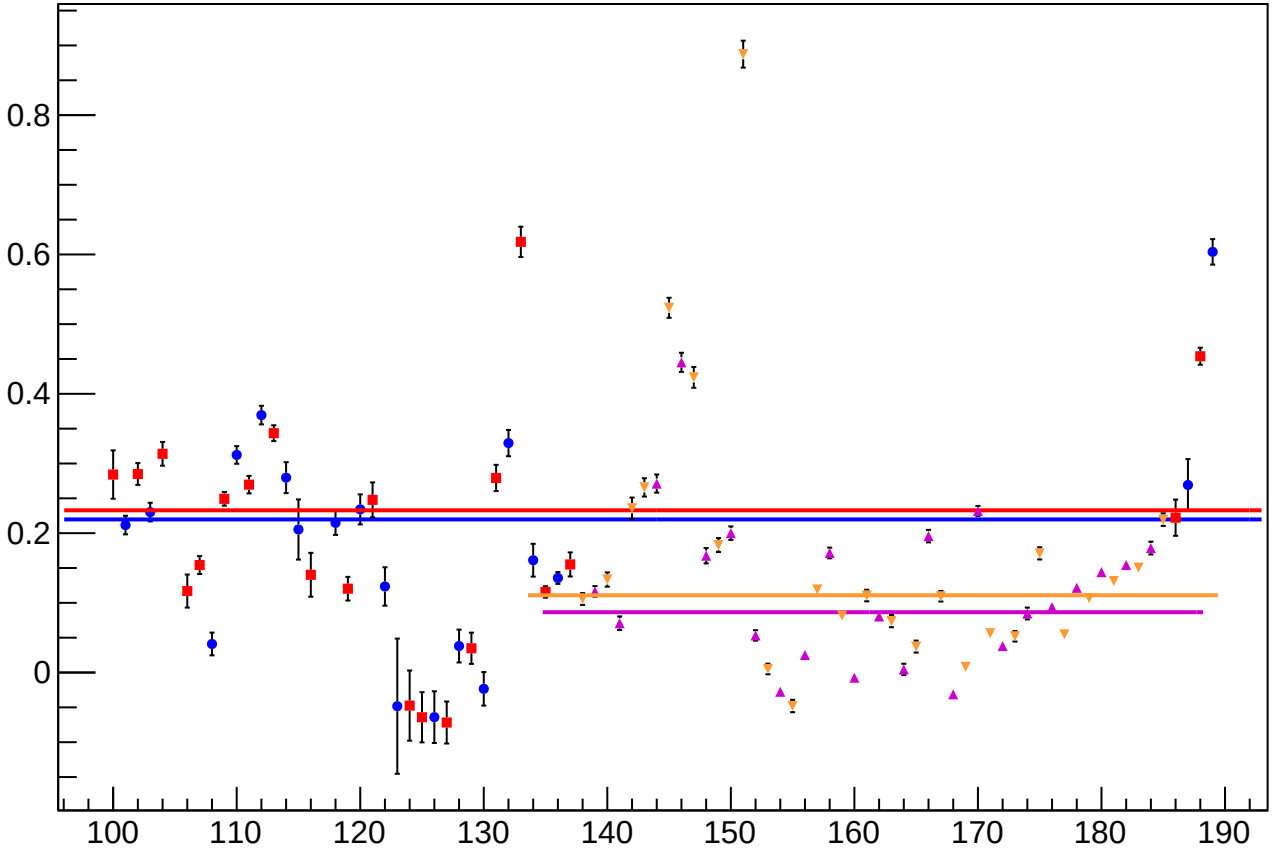
Left In: -1.081+/-0.034 $\chi^2$/NDF:6764.0/22

+ sign -1.369+/-0.032 $\chi^2$/NDF: 9349.2/43

All: -1.245+/-0.022 $\chi^2$/NDF: 17814.4/87

- sign -1.136+/-0.030 $\chi^2$/NDF: 8436.4/43

# reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug




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

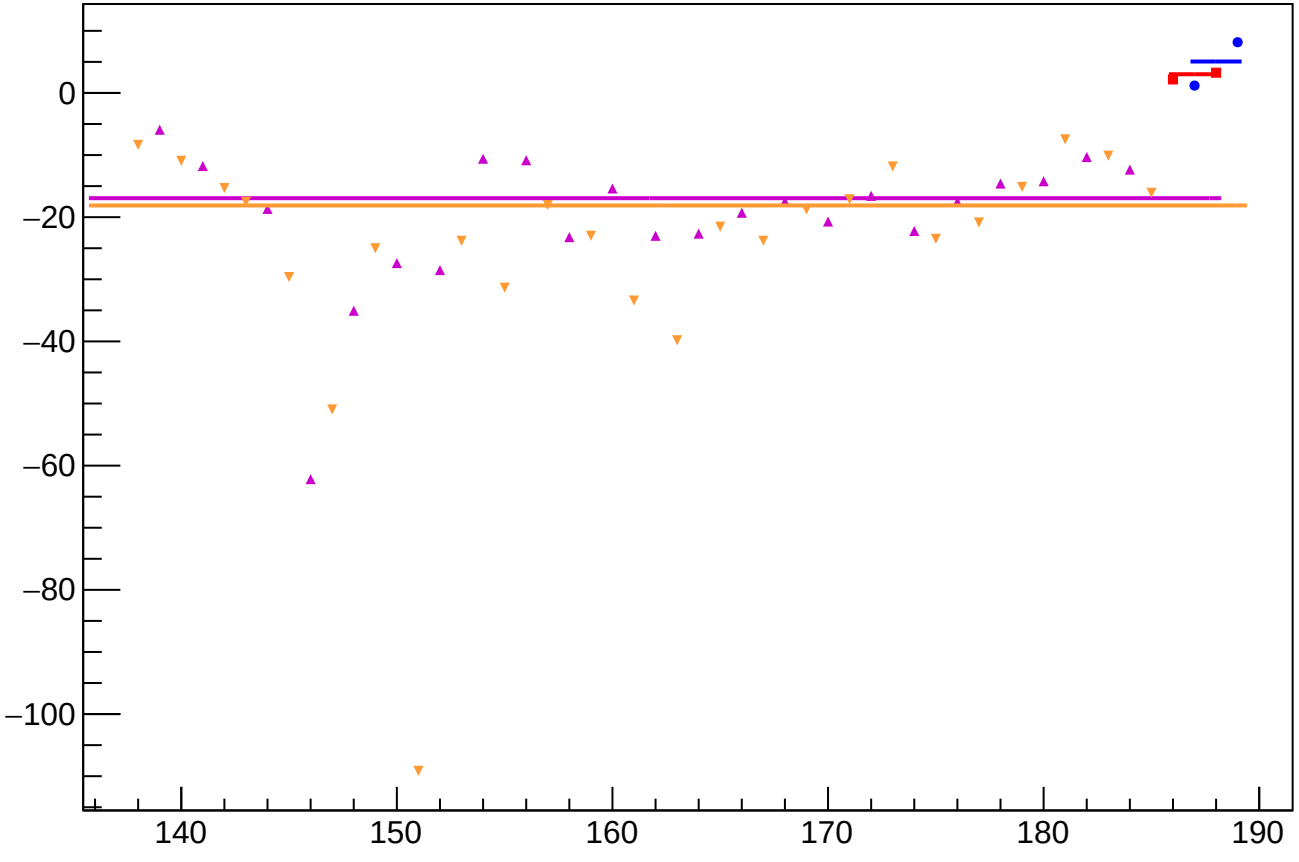
Left In: 0.087+/-0.001 $\chi^2$/NDF:3631.4/22

+ sign 0.126+/-0.001 $\chi^2$/NDF: 6221.9/43

All: 0.117+/-0.001 $\chi^2$/NDF: 12817.3/87

- sign 0.109+/-0.001 $\chi^2$/NDF: 6525.7/43

# reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug




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

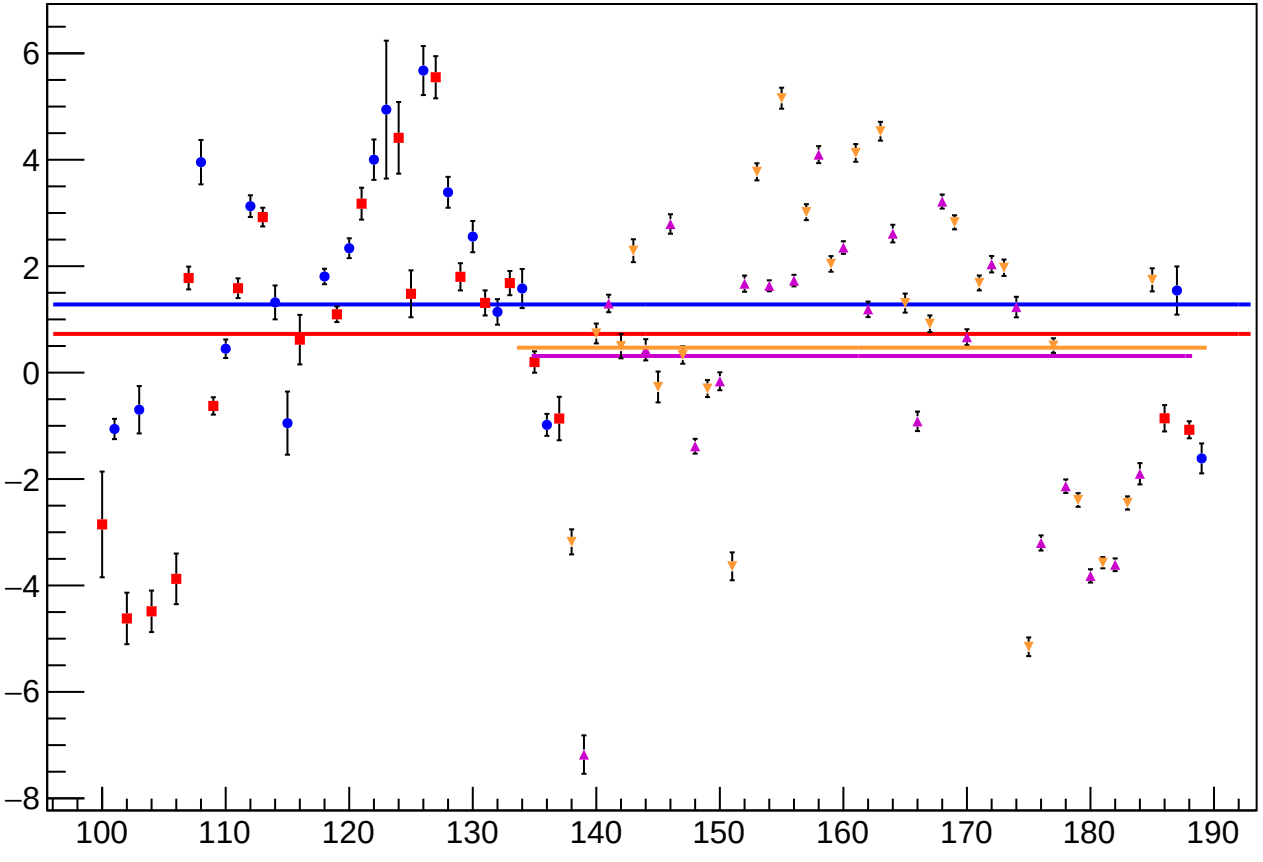
Left In: -16.945+/-0.038 $\chi^2$/NDF:44756.2/22

+ sign -17.160+/-0.038 $\chi^2$/NDF: 103445.4/26

All: -15.588+/-0.026 $\chi^2$/NDF: 188982.6/51

- sign -14.240+/-0.035 $\chi^2$/NDF: 82365.2/24

# reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug




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

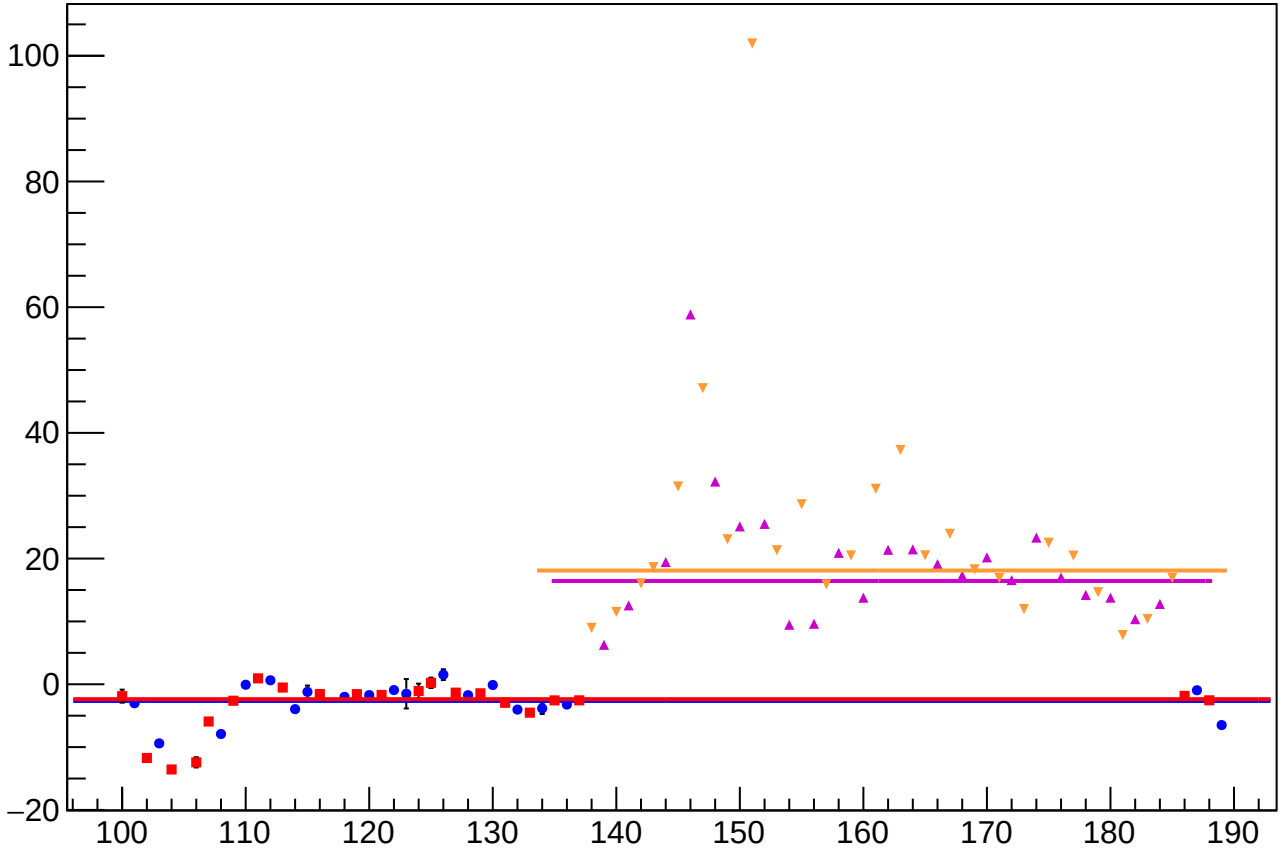
Left In: 0.313+/-0.031 $\chi^2$/NDF:6235.0/22

+ sign 0.656+/-0.028 $\chi^2$/NDF: 8046.4/43

All: 0.527+/-0.019 $\chi^2$/NDF: 15527.7/87

- sign 0.415+/-0.027 $\chi^2$/NDF: 7442.9/43

# reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug




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

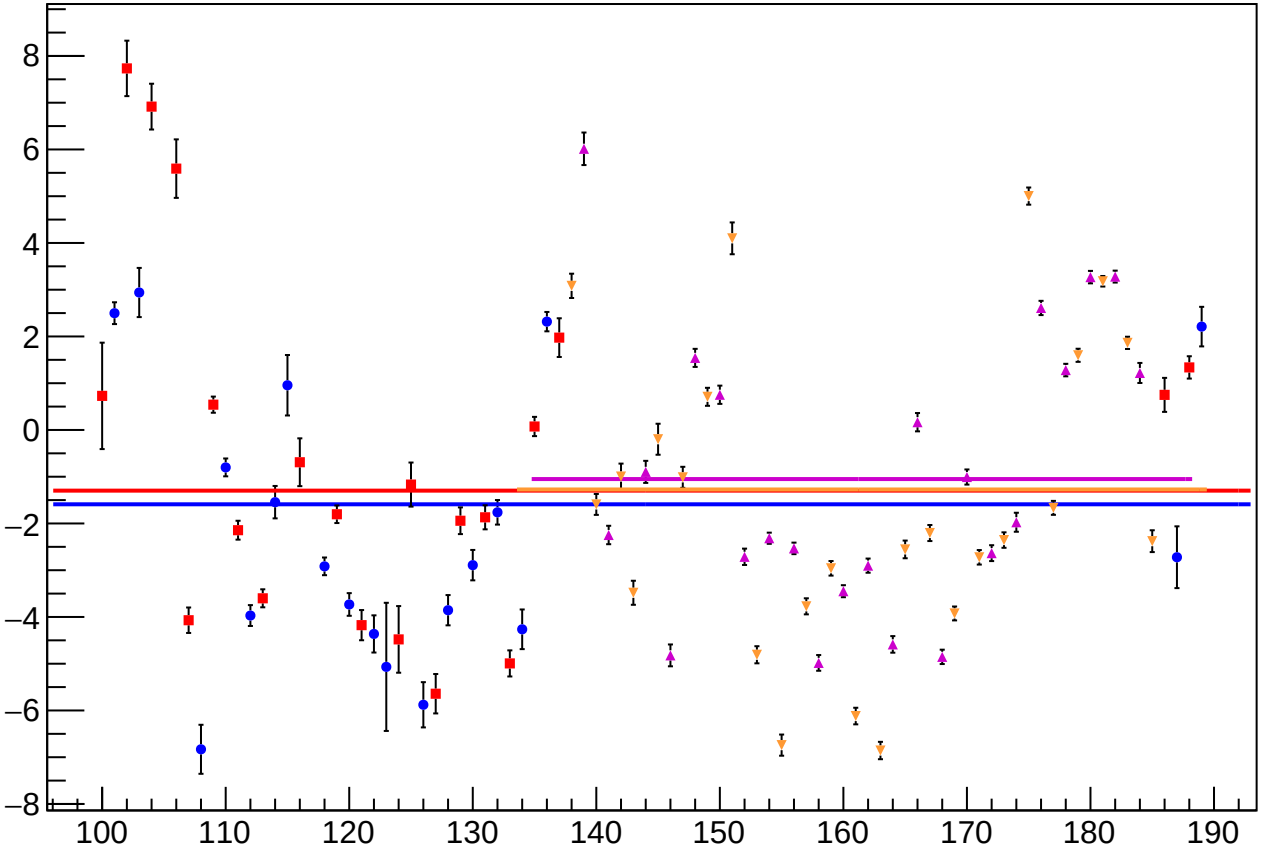
Left In: 16.431+/-0.038 $\chi^2$/NDF:41337.1/22

+ sign 14.837+/-0.036 $\chi^2$/NDF: 123090.6/43

All: 12.833+/-0.024 $\chi^2$/NDF: 240283.0/87

- sign 11.241+/-0.032 $\chi^2$/NDF: 111576.8/43

# reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug




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

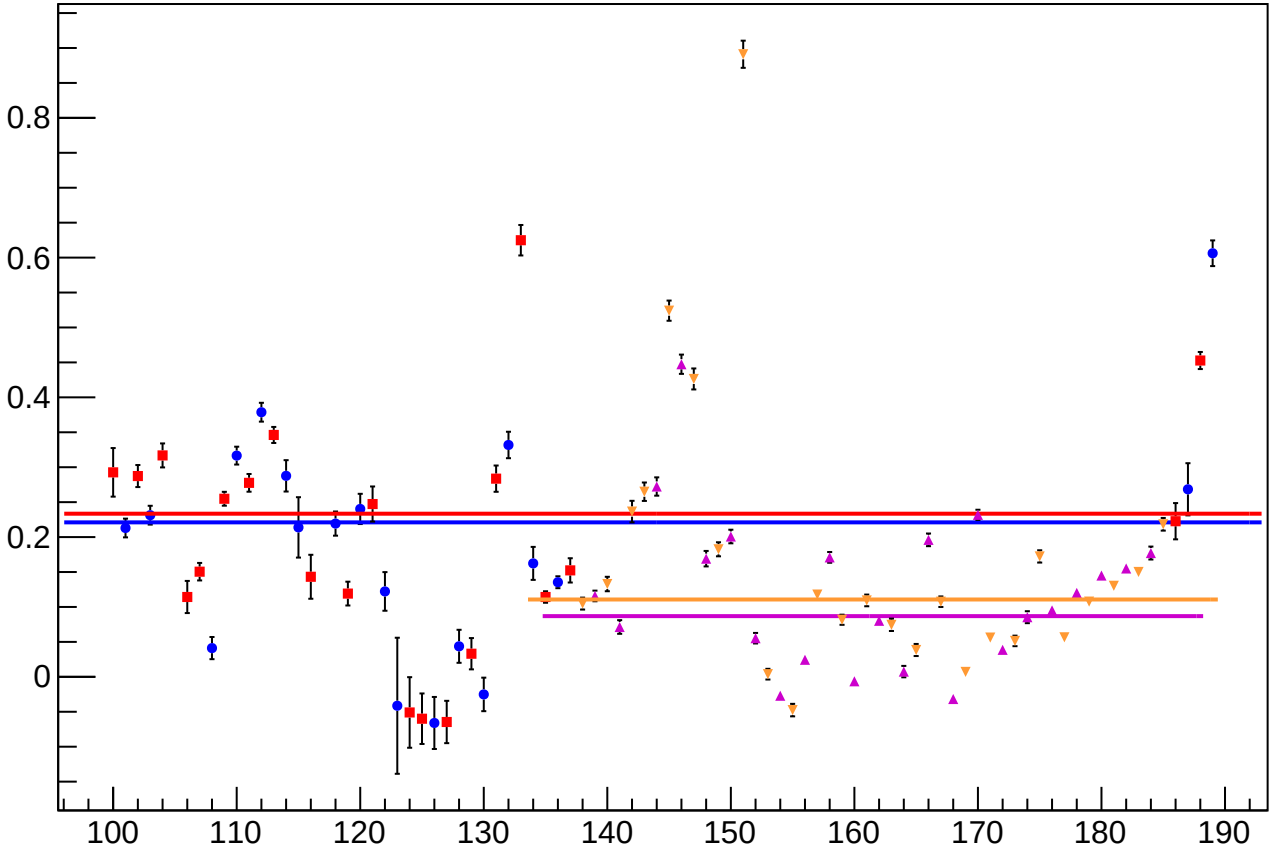
Left In: -1.050+/-0.034 $\chi^2$/NDF:6713.0/22

+ sign -1.340+/-0.032 $\chi^2$/NDF: 9380.8/43

All: -1.216+/-0.022 $\chi^2$/NDF: 17809.1/87

- sign -1.107+/-0.030 $\chi^2$/NDF: 8399.7/43

# reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug




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

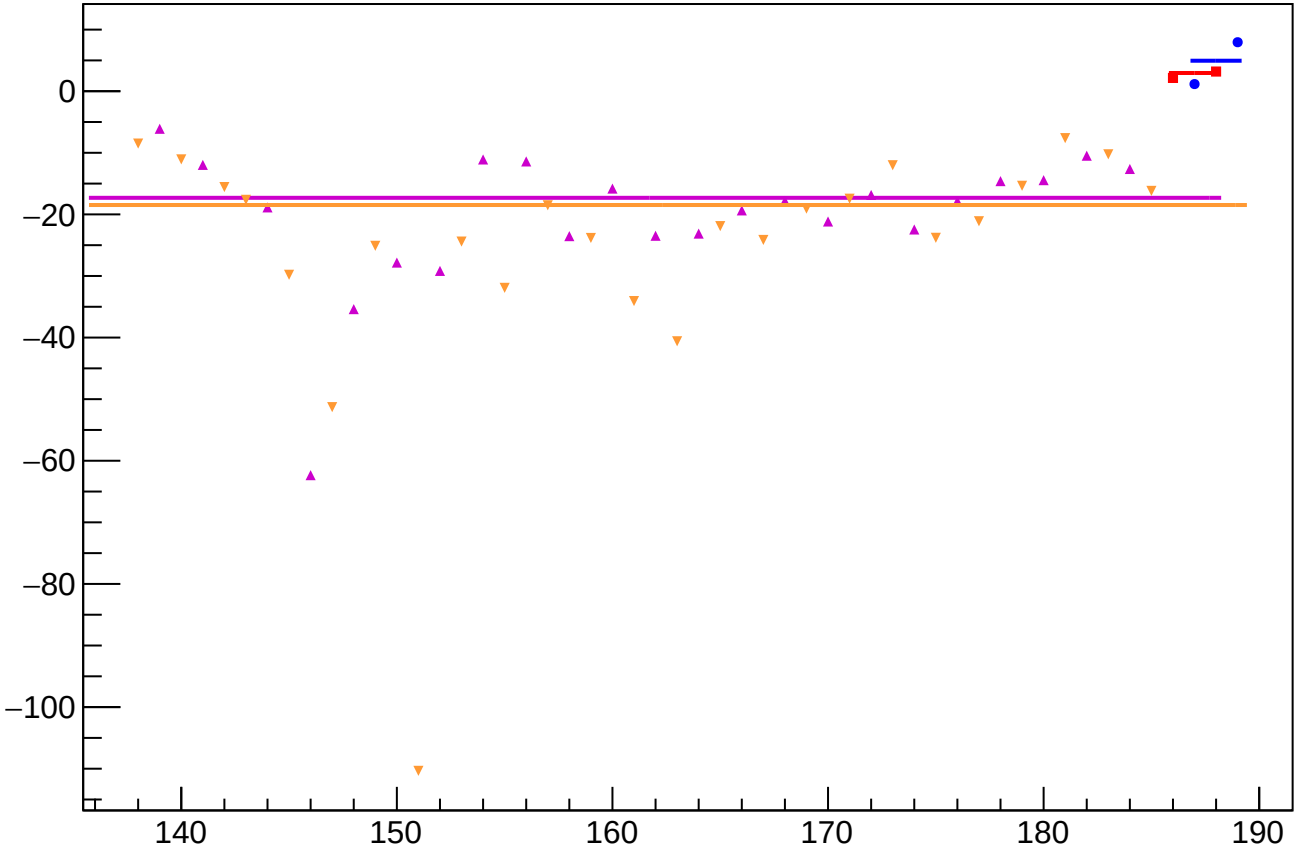
Left In: 0.087+/-0.001 $\chi^2$/NDF:3604.3/22

+ sign 0.126+/-0.001 $\chi^2$/NDF: 6240.7/43

All: 0.117+/-0.001 $\chi^2$/NDF: 12833.7/87

- sign 0.109+/-0.001 $\chi^2$/NDF: 6527.2/43

# reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug




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

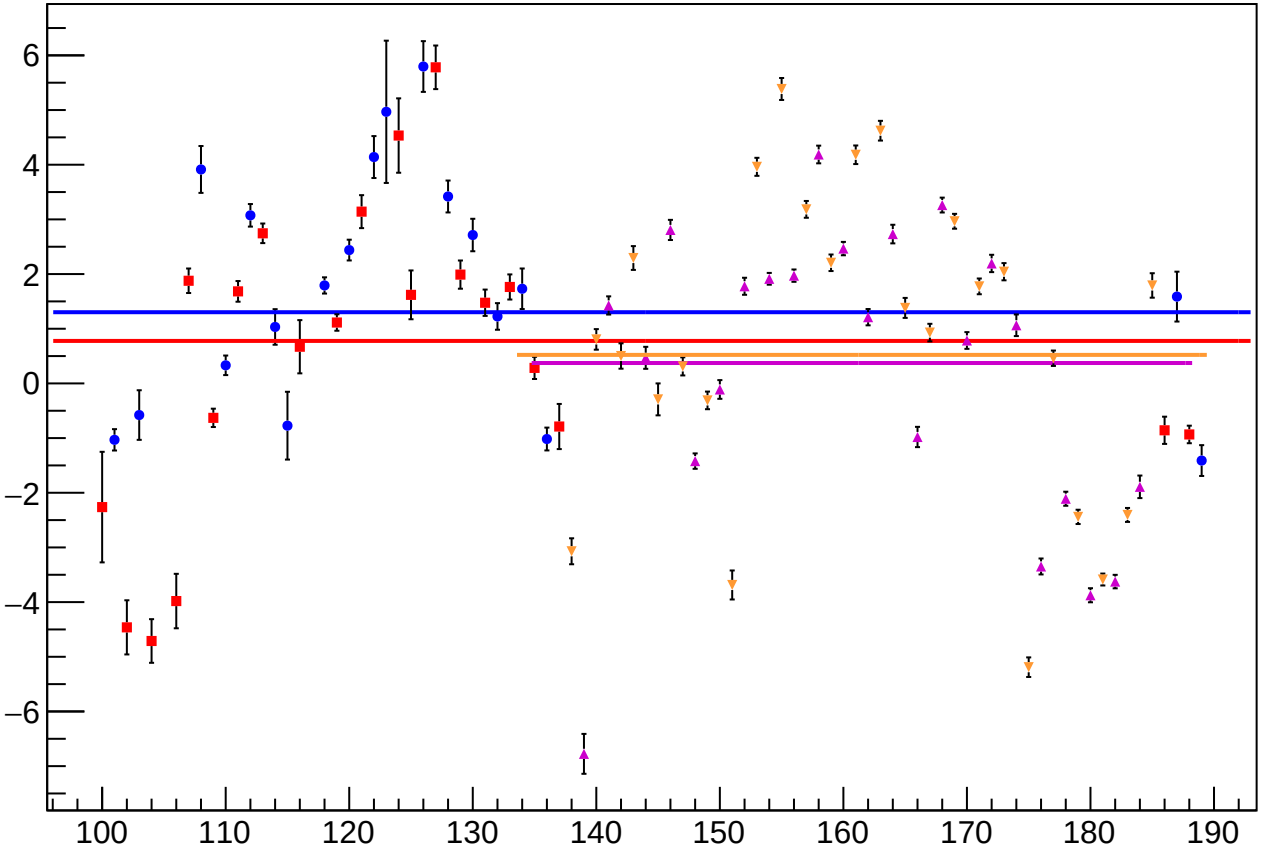
Left In: -17.309+/-0.039 $\chi^2$/NDF:43807.0/22

+ sign -17.479+/-0.039 $\chi^2$/NDF: 102983.7/26

All: -15.855+/-0.026 $\chi^2$/NDF: 188345.2/51

- sign -14.465+/-0.036 $\chi^2$/NDF: 82123.3/24

# reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug




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

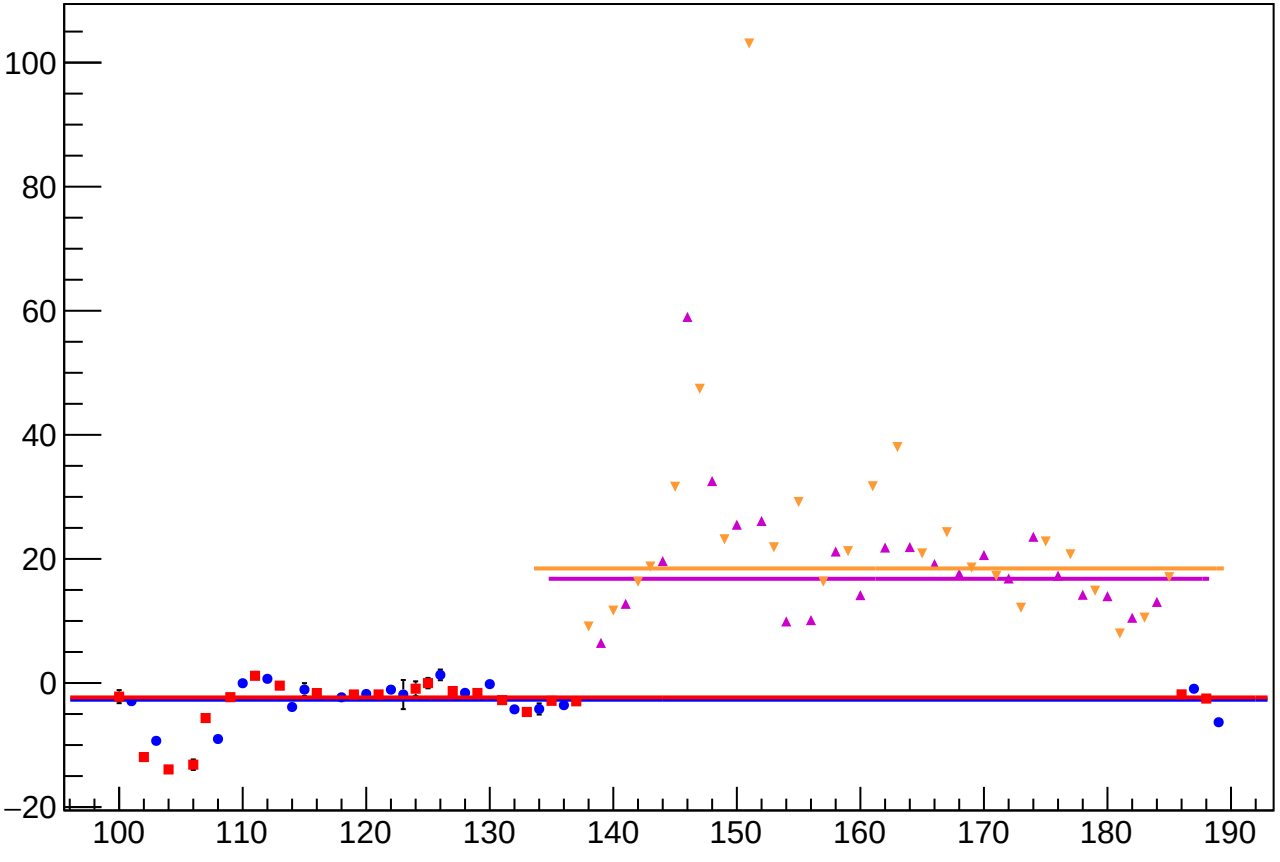
Left In: 0.373+/-0.031 $\chi^2$/NDF:6263.9/22

+ sign 0.702+/-0.029 $\chi^2$/NDF: 7976.1/43

All: 0.581+/-0.020 $\chi^2$/NDF: 15438.3/87

- sign 0.474+/-0.027 $\chi^2$/NDF: 7429.0/43

# reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug




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

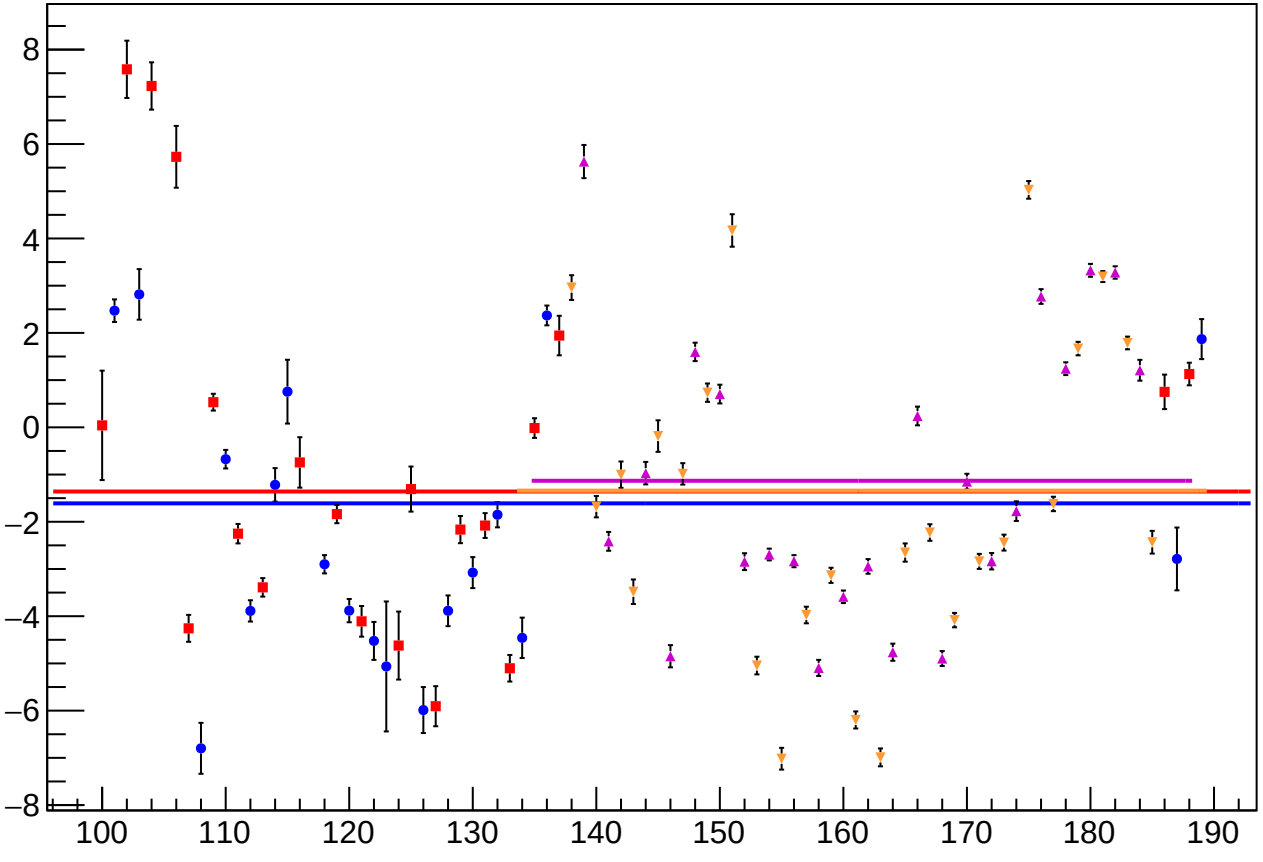
Left In: 16.798+/-0.038 $\chi^2$/NDF:40258.9/22

+ sign 15.083+/-0.037 $\chi^2$/NDF: 122914.1/43

All: 13.034+/-0.024 $\chi^2$/NDF: 239478.1/87

- sign 11.412+/-0.033 $\chi^2$/NDF: 110949.7/43

# reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug




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

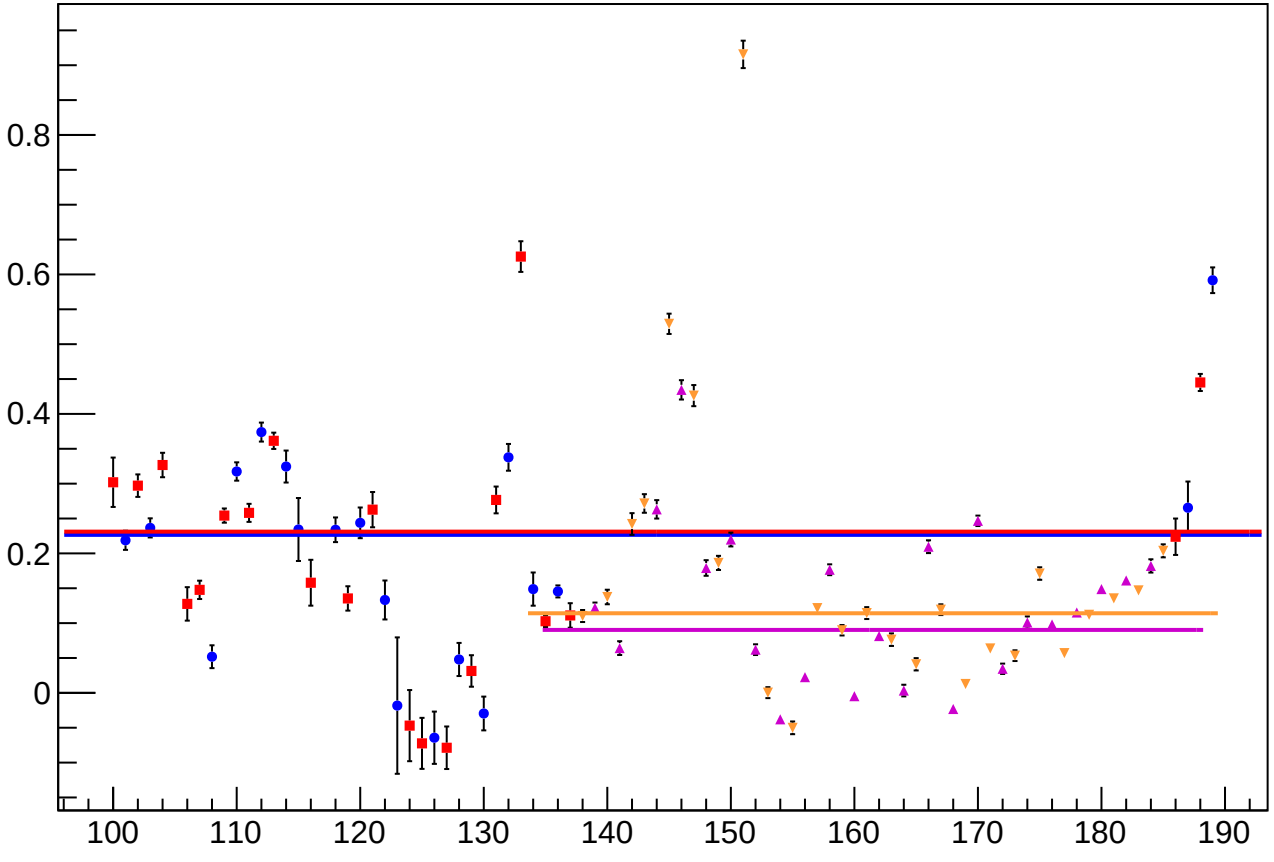
Left In: -1.132+/-0.035 $\chi^2$/NDF:6743.4/22

+ sign -1.399+/-0.032 $\chi^2$/NDF: 9302.8/43

All: -1.285+/-0.022 $\chi^2$/NDF: 17703.4/87

- sign -1.184+/-0.031 $\chi^2$/NDF: 8377.4/43

# reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug




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

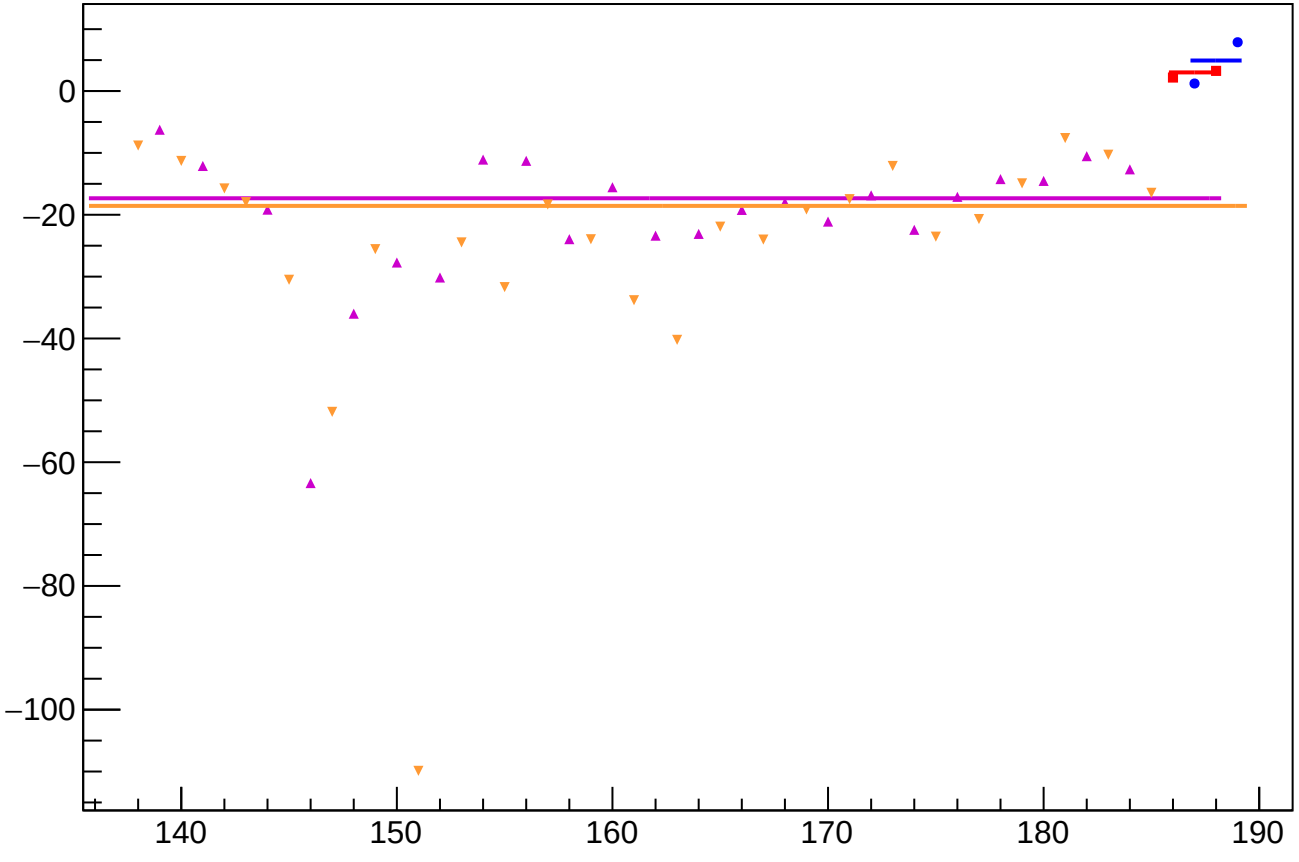
Left In: 0.090+/-0.002 $\chi^2$/NDF:3679.2/22

+ sign 0.130+/-0.002 $\chi^2$/NDF: 6110.5/43

All: 0.120+/-0.001 $\chi^2$/NDF: 12663.7/87

- sign 0.112+/-0.001 $\chi^2$/NDF: 6481.3/43

# reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug




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

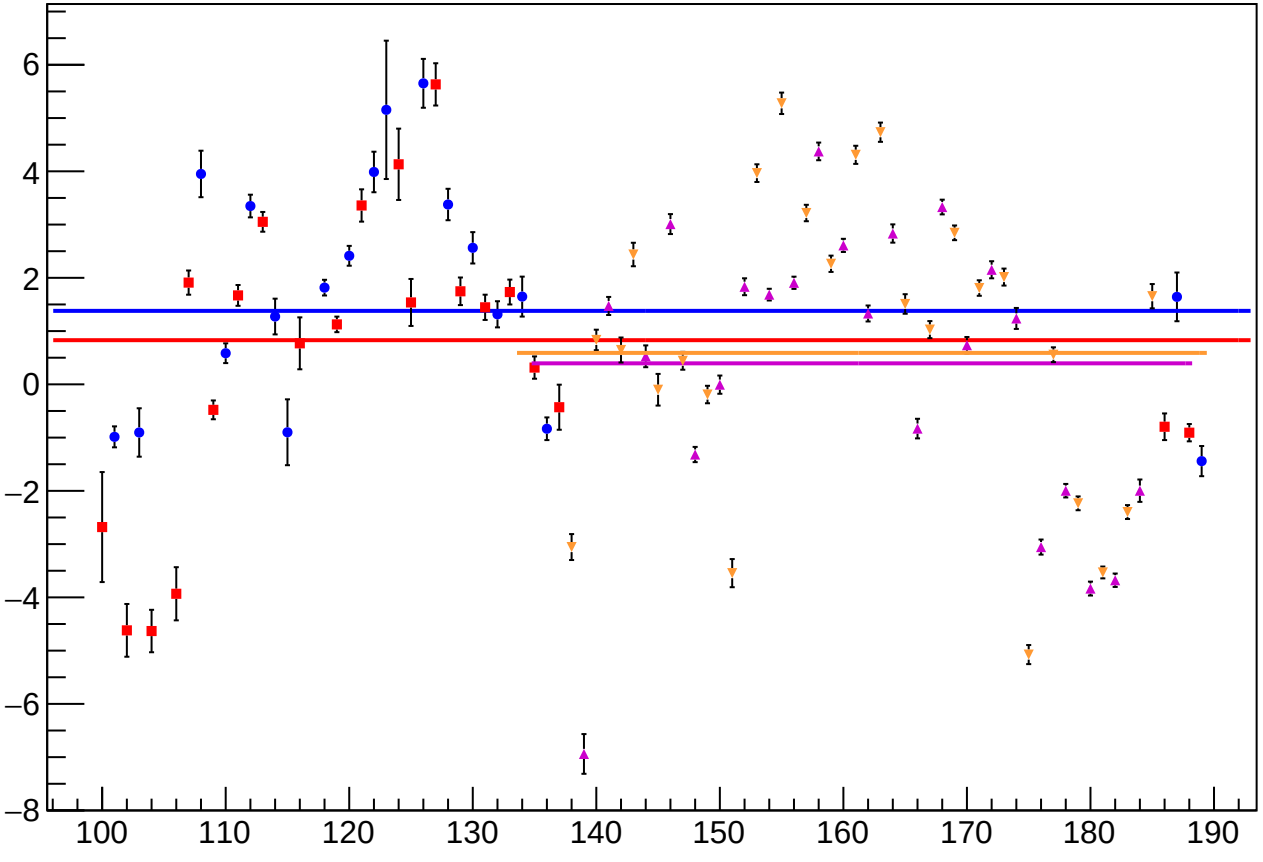
Left In: -17.335+/-0.039 $\chi^2$/NDF:44078.7/22

+ sign -17.552+/-0.039 $\chi^2$/NDF: 101429.1/26

All: -15.904+/-0.027 $\chi^2$/NDF: 186515.6/51

- sign -14.494+/-0.036 $\chi^2$/NDF: 81817.0/24

# reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug




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

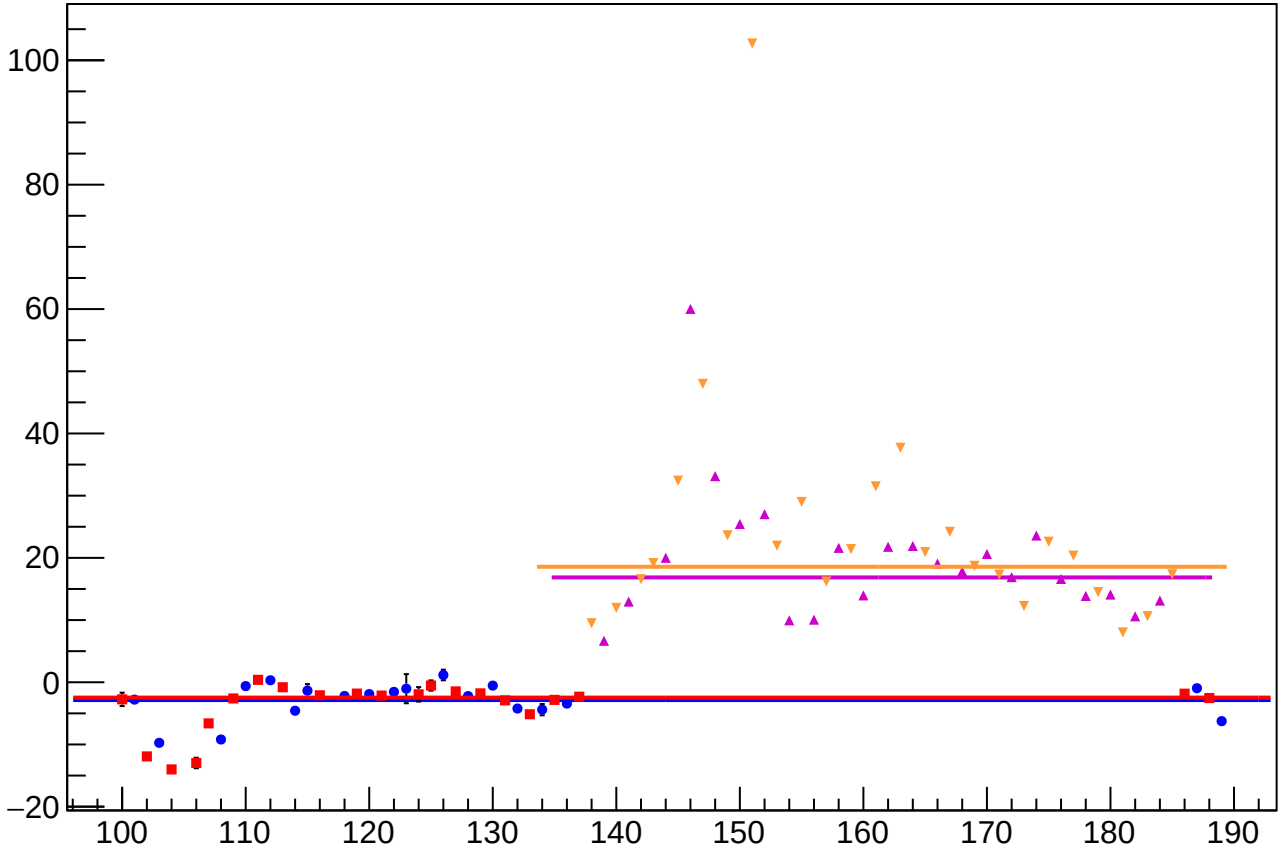
Left In: 0.394+/-0.032 $\chi^2$/NDF:6112.7/22

+ sign 0.773+/-0.029 $\chi^2$/NDF: 7684.0/43

All: 0.629+/-0.020 $\chi^2$/NDF: 14993.4/87

- sign 0.502+/-0.027 $\chi^2$/NDF: 7263.6/43

# reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug




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

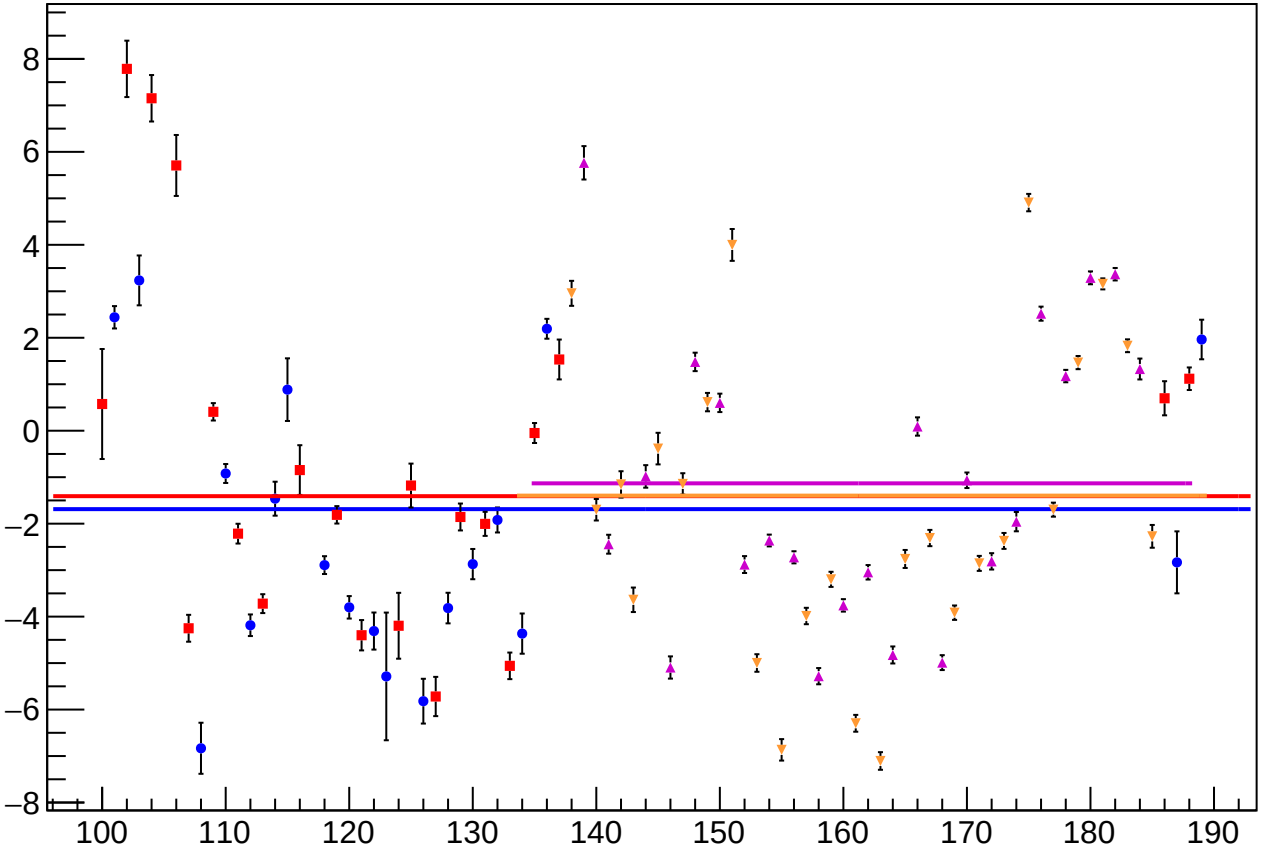
Left In: 16.854+/-0.039 $\chi^2$/NDF:40590.0/22

+ sign 15.156+/-0.037 $\chi^2$/NDF: 121792.9/43

All: 13.098+/-0.025 $\chi^2$/NDF: 238085.3/87

- sign 11.464+/-0.033 $\chi^2$/NDF: 110726.2/43

# reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug




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

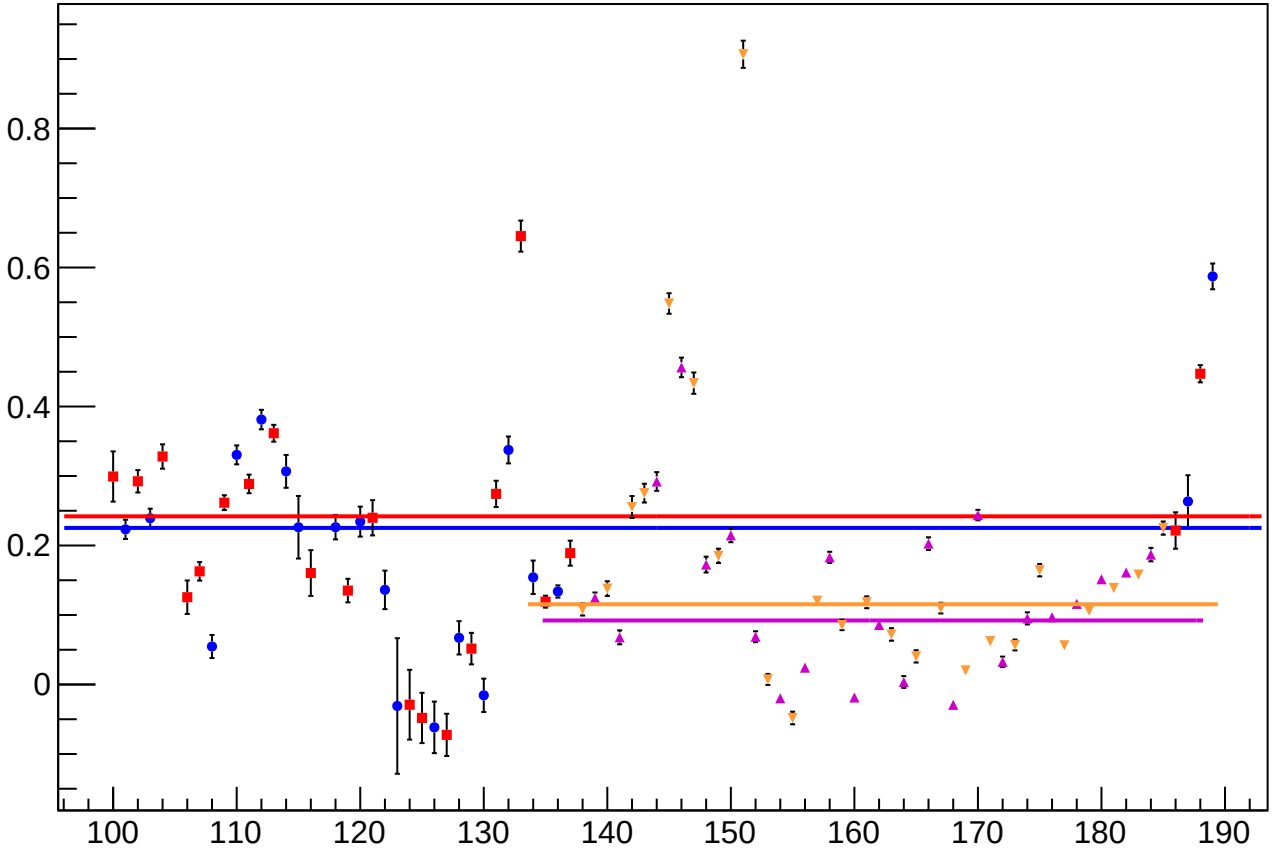
Left In: -1.132+/-0.035 $\chi^2$/NDF:6638.3/22

+ sign -1.459+/-0.033 $\chi^2$/NDF: 8994.7/43

All: -1.319+/-0.022 $\chi^2$/NDF: 17268.1/87

- sign -1.196+/-0.031 $\chi^2$/NDF: 8239.2/43

# reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug




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

+ sign 0.131+/-0.002 $\chi^2$/NDF: 6090.0/43

All: 0.122+/-0.001 $\chi^2$/NDF: 12562.3/87

- sign 0.115+/-0.001 $\chi^2$/NDF: 6417.2/43