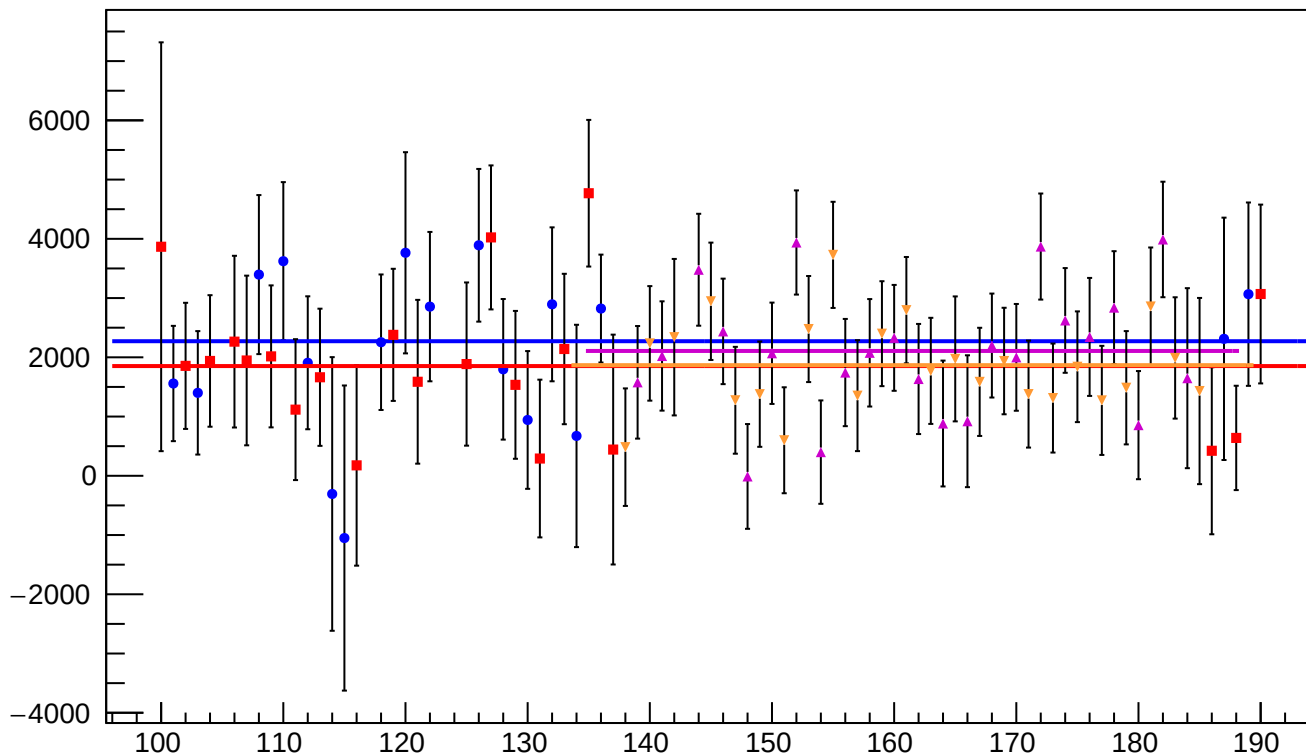


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2271.706+/-304.889

Left Out: 1867.512+/-194.801

Right Out: 1852.264+/-280.074

Left In: 2107.246+/-194.959

χ^2/NDF : 11.6/17

χ^2/NDF : 15.1/23

χ^2/NDF : 16.4/20

χ^2/NDF : 30.0/22

Left: 1987.282+/-137.801

Right: 2044.223+/-206.258

In: 2154.976+/-164.250

Out: 1862.541+/-159.922

All: 2004.854+/-114.582

χ^2/NDF : 45.9/46

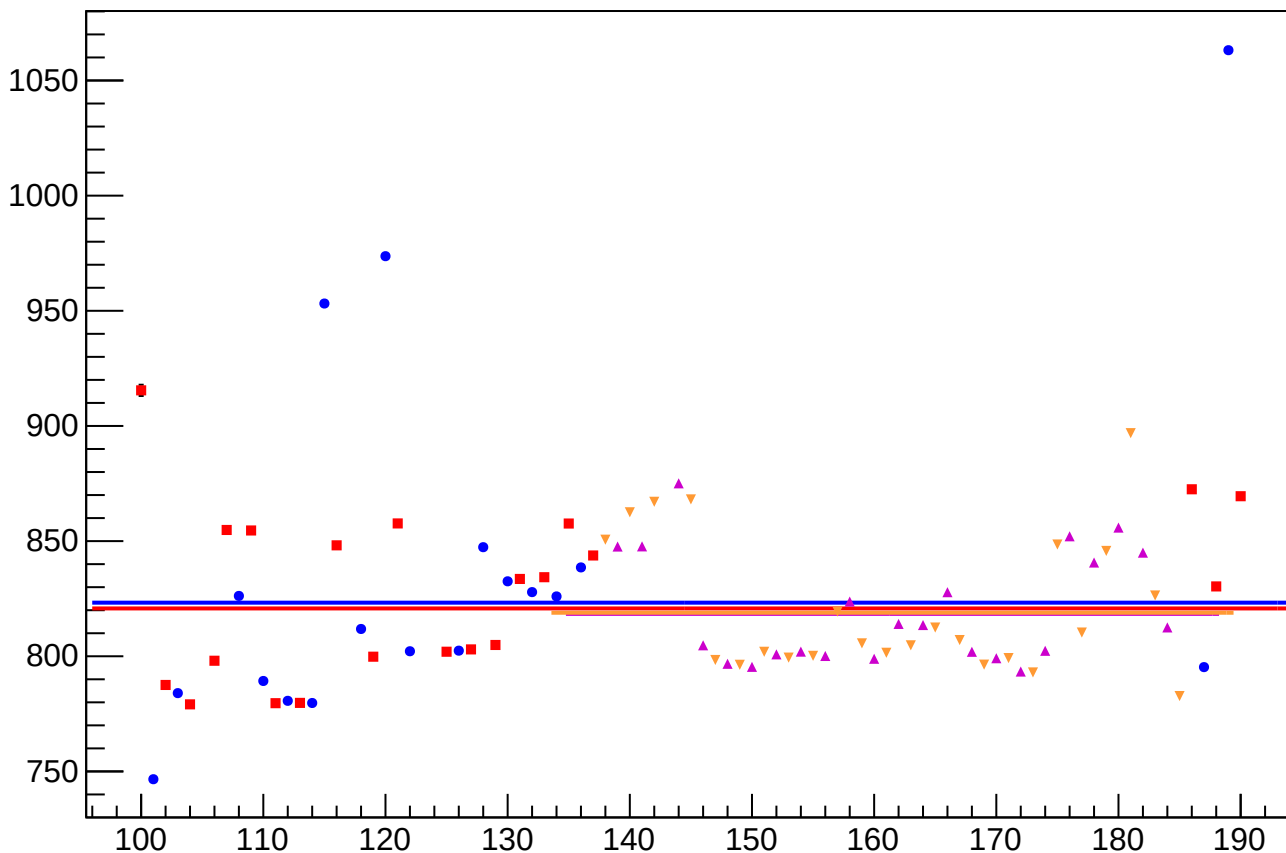
χ^2/NDF : 29.1/38

χ^2/NDF : 41.8/40

χ^2/NDF : 31.5/44

χ^2/NDF : 75.0/85

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 823.274 $\pm$ 0.216 χ^2 /NDF: 92196.8/17

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

Right Out: 820.767 $\pm$ 0.198 χ^2 /NDF: 25653.4/20

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

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

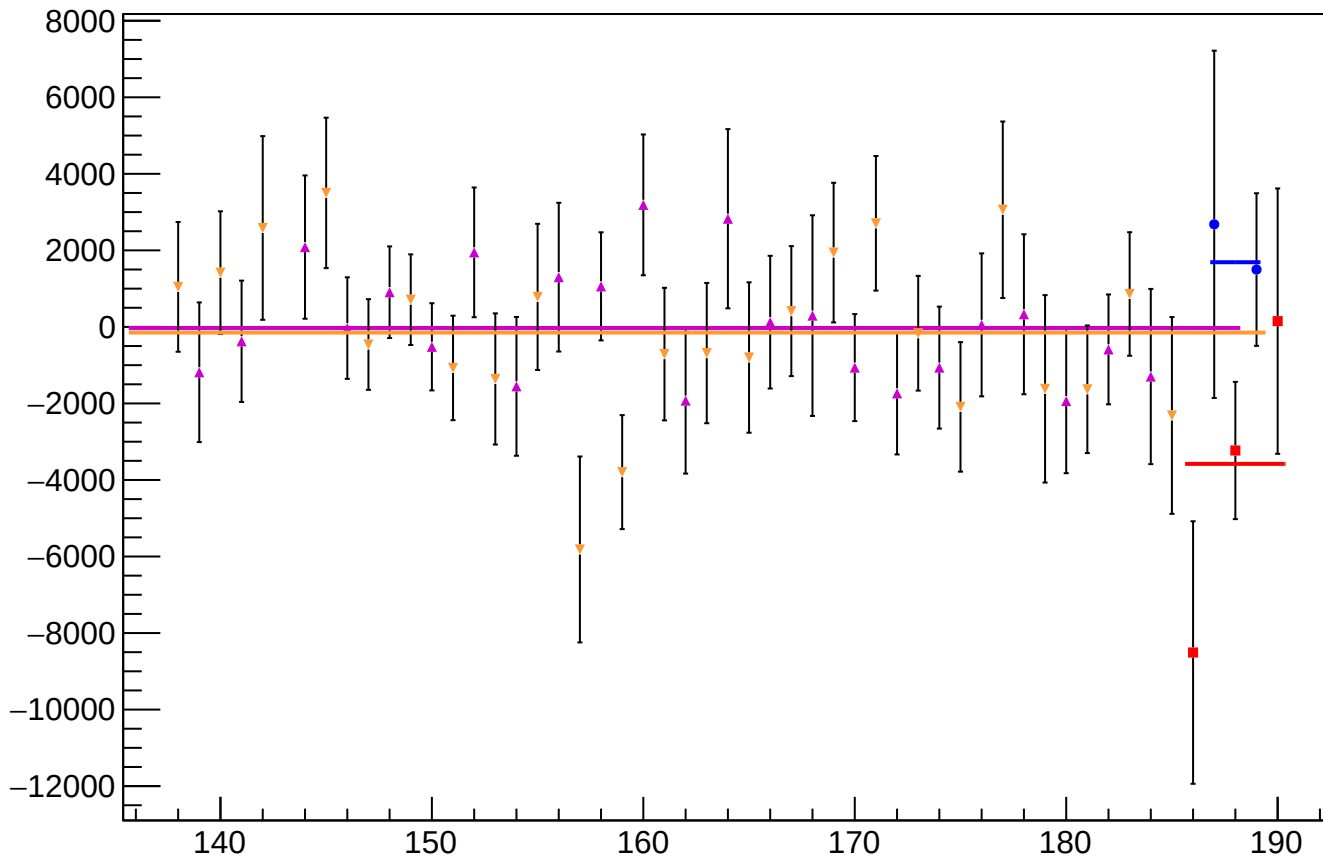
Right: 821.914 $\pm$ 0.146 χ^2 /NDF: 117923.6/38

In: 819.817 $\pm$ 0.116 χ^2 /NDF: 122466.1/40

Out: 819.509 $\pm$ 0.113 χ^2 /NDF: 67384.2/44

All: 819.659 $\pm$ 0.081 χ^2 /NDF: 189854.0/85

asym_us_avg_correction_mean vs Slug, Sign Corrected



Right In: 1689.934 $\pm$ 1825.390 χ^2 /NDF: 0.1/1

Left Out: -147.864 $\pm$ 347.750 χ^2 /NDF:29.3/23

Right Out: -3579.184 $\pm$ 1444.790 χ^2 /NDF: 3.3/2

Left In: -27.722 $\pm$ 344.229 χ^2 /NDF:14.8/22

Left: -87.182 $\pm$ 244.642 χ^2 /NDF: 44.2/46

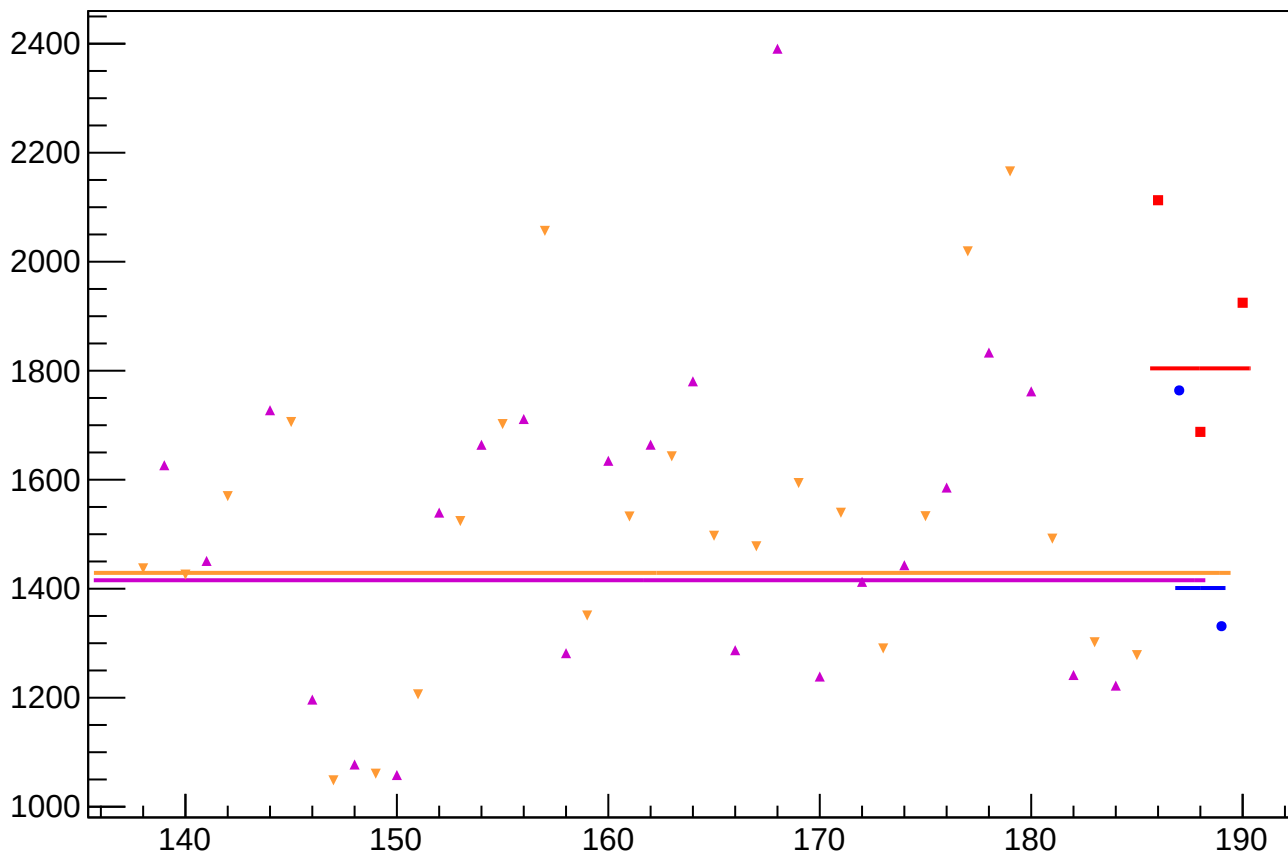
Right: -1549.675 $\pm$ 1132.876 χ^2 /NDF: 8.4/4

In: 31.263 $\pm$ 338.267 χ^2 /NDF:15.7/24

Out: -335.765 $\pm$ 338.095 χ^2 /NDF:37.9/26

All: -152.344 $\pm$ 239.130 χ^2 /NDF: 54.2/51

asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 1401.287+/-1.291 χ^2/NDF : 15238.3/1

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

Right Out: 1804.310+/-1.022 χ^2/NDF : 27034.6/2

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

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

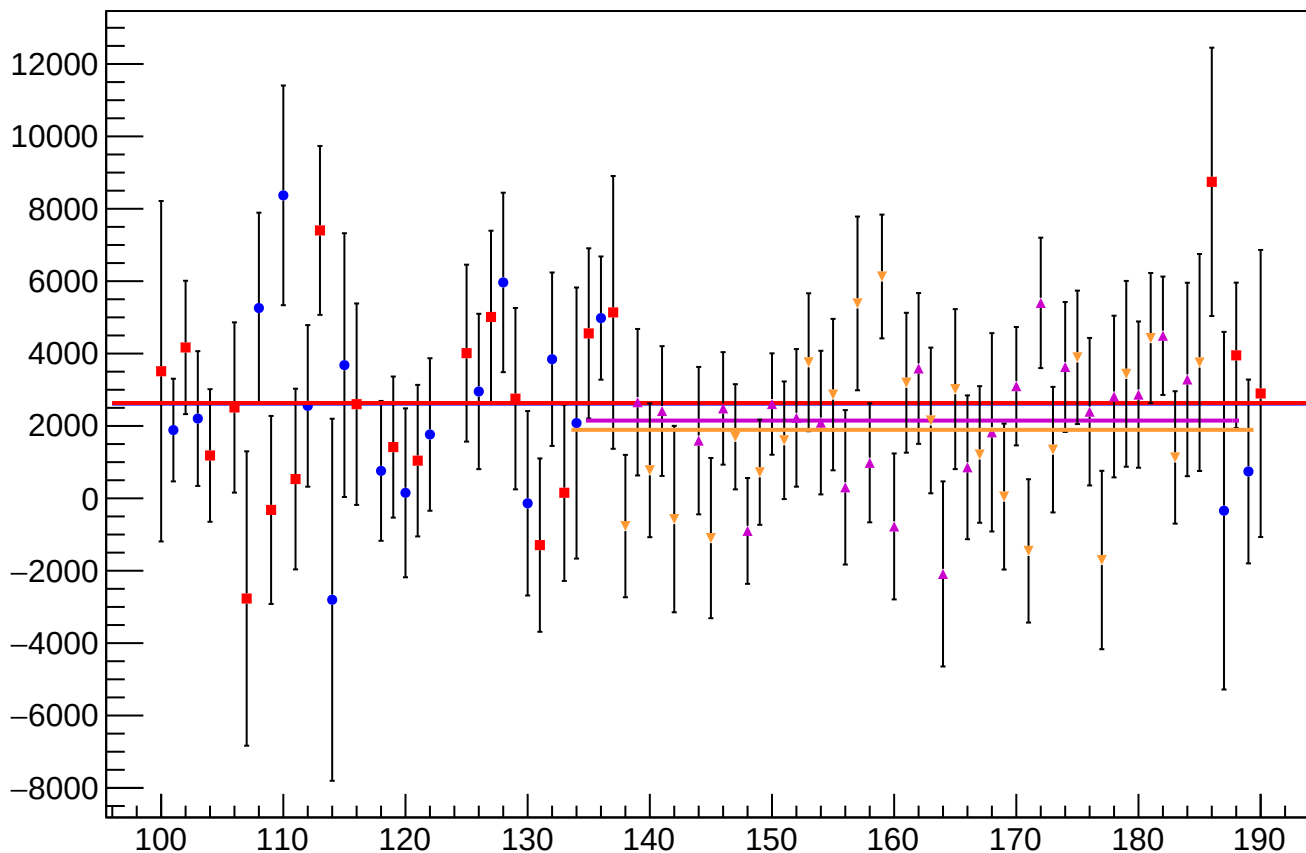
Right: 1649.077+/-0.801 χ^2/NDF : 102215.2/4

In: 1415.065+/-0.239 χ^2/NDF : 1260959.8/24

Out: 1449.613+/-0.239 χ^2/NDF : 1261508.2/26

All: 1432.348+/-0.169 χ^2/NDF : 2532904.6/51

asym_us_avg_mean vs Slug, Sign Corrected



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

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

Right Out: 2634.354 $\pm$ 536.586 χ^2 /NDF: 19.6/20

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

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

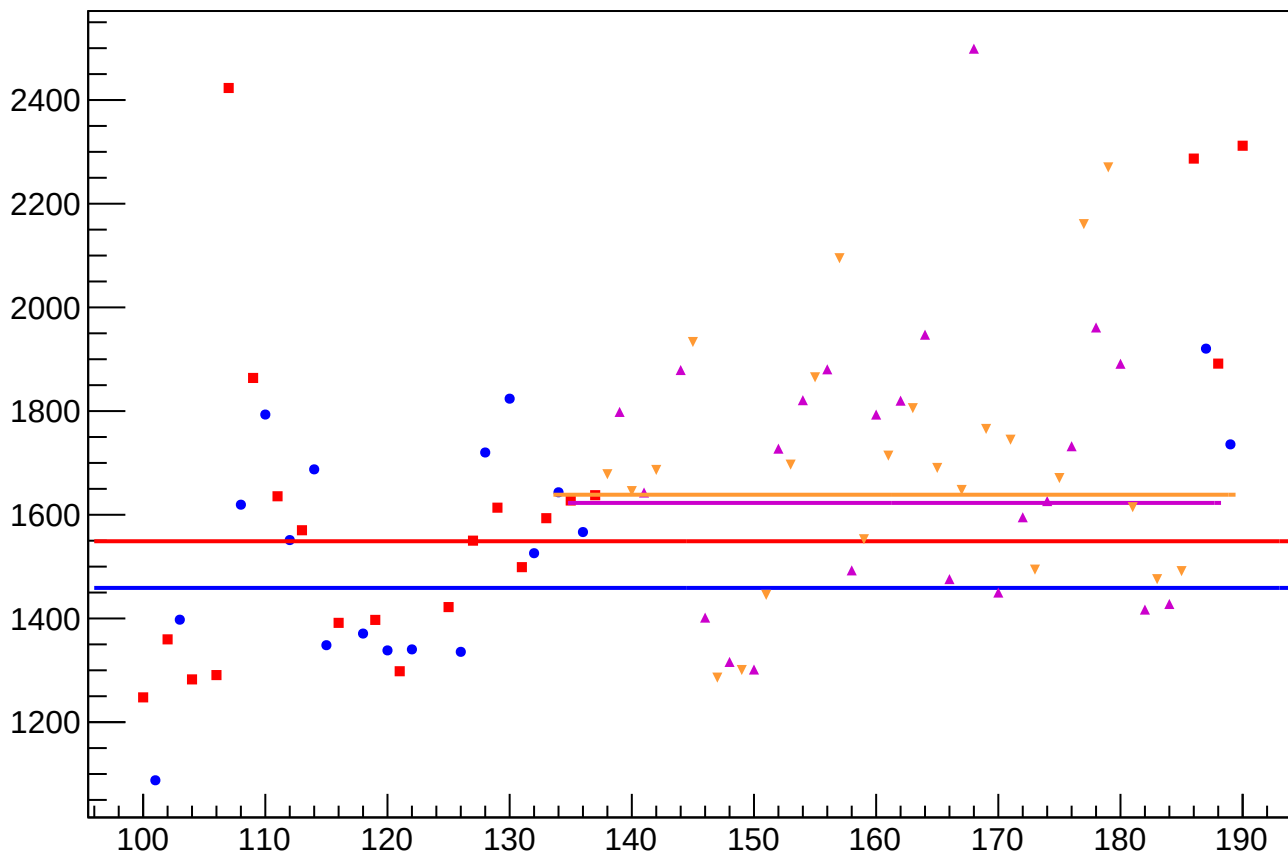
Right: 2626.414 $\pm$ 382.788 χ^2 /NDF: 34.1/38

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

Out: 2153.057 $\pm$ 317.999 χ^2 /NDF:46.7/44

All: 2230.576 $\pm$ 224.974 χ^2 /NDF: 80.3/85

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1458.931 $\pm$ 0.386 χ^2 /NDF: 321515.1/17

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

Right Out: 1548.950 $\pm$ 0.379 χ^2 /NDF: 490441.5/20

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

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

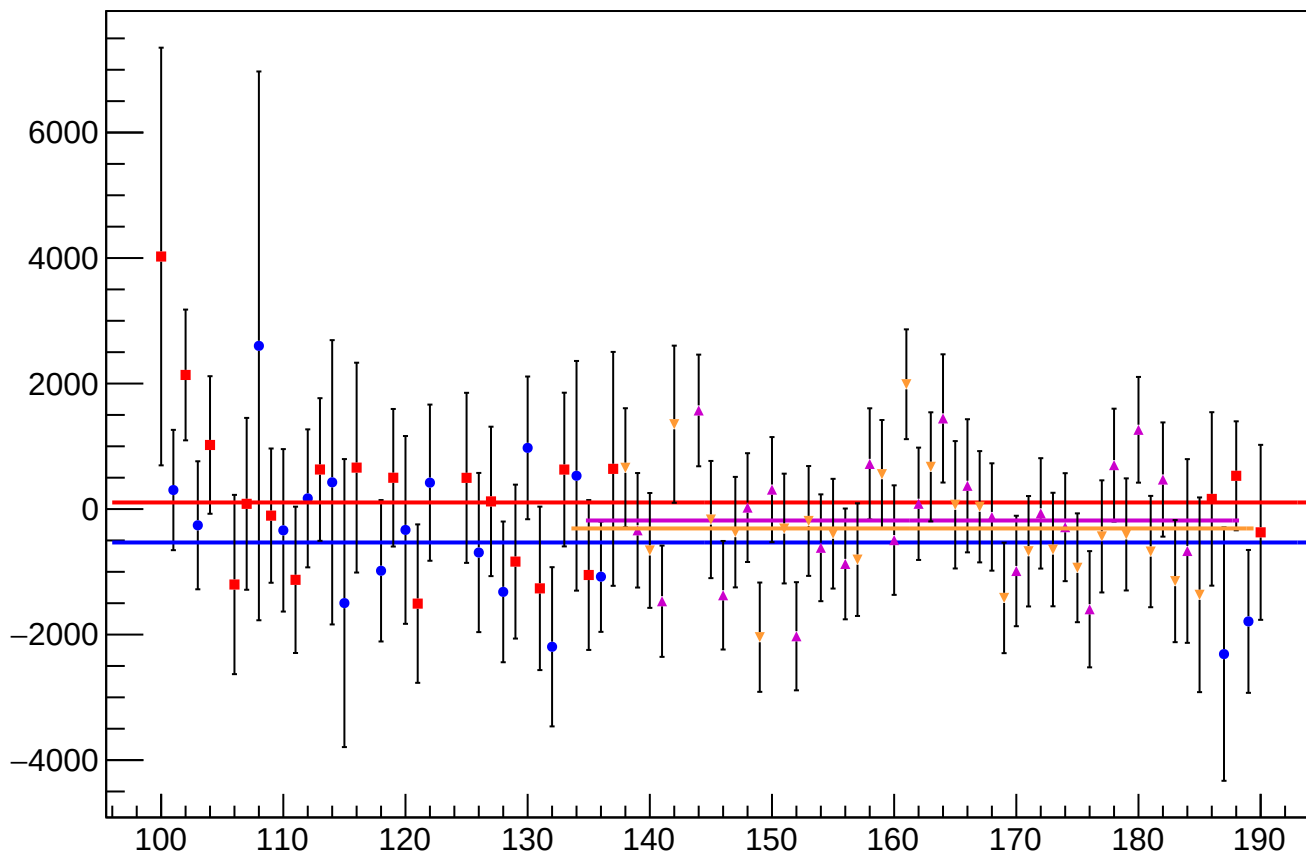
Right: 1504.742 $\pm$ 0.271 χ^2 /NDF: 839599.6/38

In: 1567.198 $\pm$ 0.225 χ^2 /NDF: 1221017.0/40

Out: 1607.165 $\pm$ 0.225 χ^2 /NDF: 1198709.2/44

All: 1587.202 $\pm$ 0.159 χ^2 /NDF: 2435506.2/85

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -532.305 $\pm$ 298.637 χ^2/NDF : 9.6/17

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

Right Out: 105.266 $\pm$ 271.213 χ^2/NDF : 13.3/20

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

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

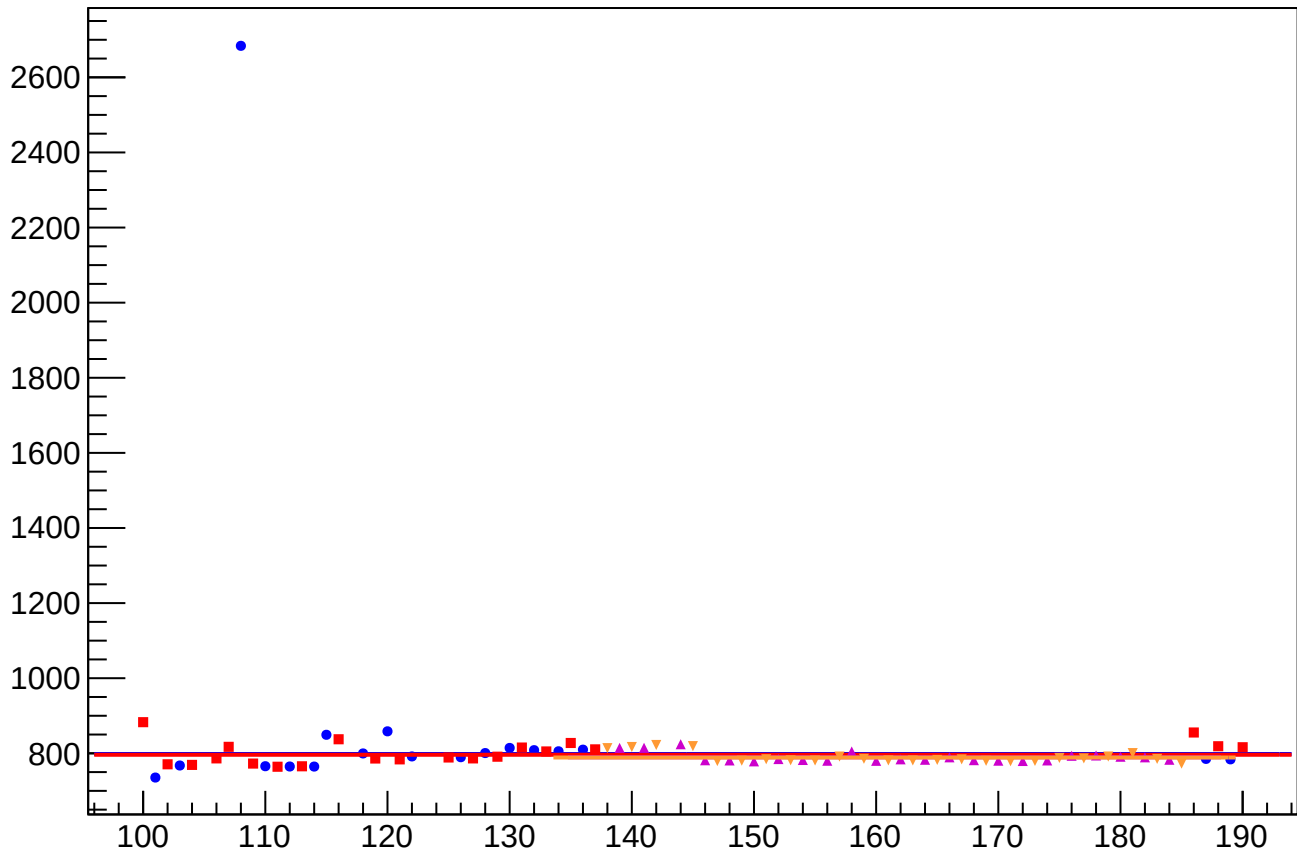
Right: -182.908 $\pm$ 200.774 χ^2/NDF : 25.4/38

In: -281.364 $\pm$ 159.060 χ^2/NDF : 36.2/40

Out: -174.960 $\pm$ 154.202 χ^2/NDF : 35.4/44

All: -226.512 $\pm$ 110.715 χ^2/NDF : 71.8/85

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 798.147+/-0.211 χ^2/NDF : 391620.8/17

Left Out: 788.886+/-0.133 χ^2/NDF : 9342.2/23

Right Out: 796.154+/-0.192 χ^2/NDF : 17541.8/20

Left In: 789.406+/-0.133 χ^2/NDF : 9219.1/22

Left: 789.145+/-0.094 χ^2/NDF : 18569.0/46

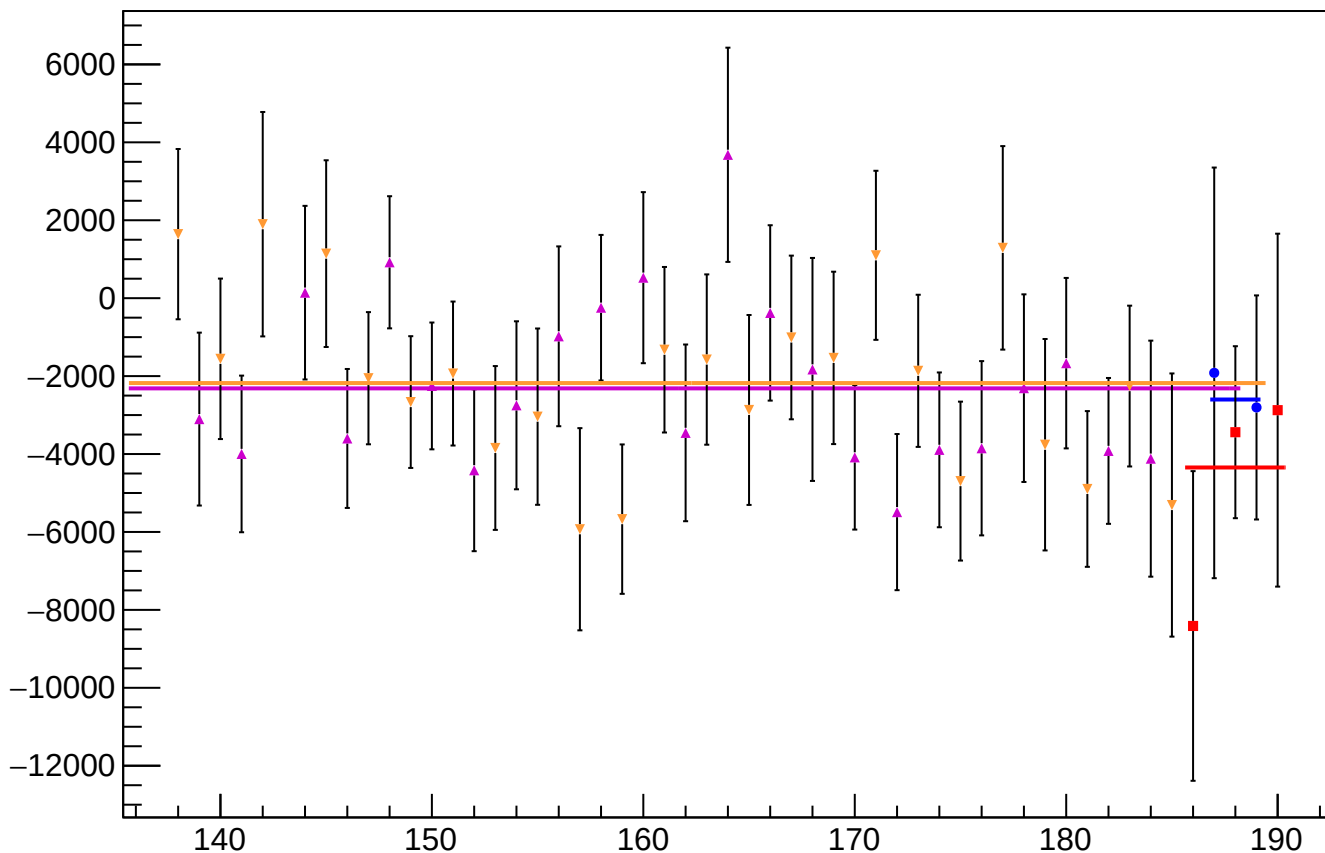
Right: 797.055+/-0.142 χ^2/NDF : 409211.4/38

In: 791.886+/-0.112 χ^2/NDF : 402067.2/40

Out: 791.235+/-0.109 χ^2/NDF : 27856.1/44

All: 791.551+/-0.078 χ^2/NDF : 429940.6/85

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -2600.774 $\pm$ 2524.253 χ^2 /NDF: 0.0/1

Left Out: -2178.467 $\pm$ 439.661 χ^2 /NDF:22.7/23

Right Out: -4345.287 $\pm$ 1775.110 χ^2 /NDF: 1.3/2

Left In: -2315.169 $\pm$ 437.003 χ^2 /NDF:22.0/22

Left: -2247.233 $\pm$ 309.943 χ^2 /NDF: 44.8/46

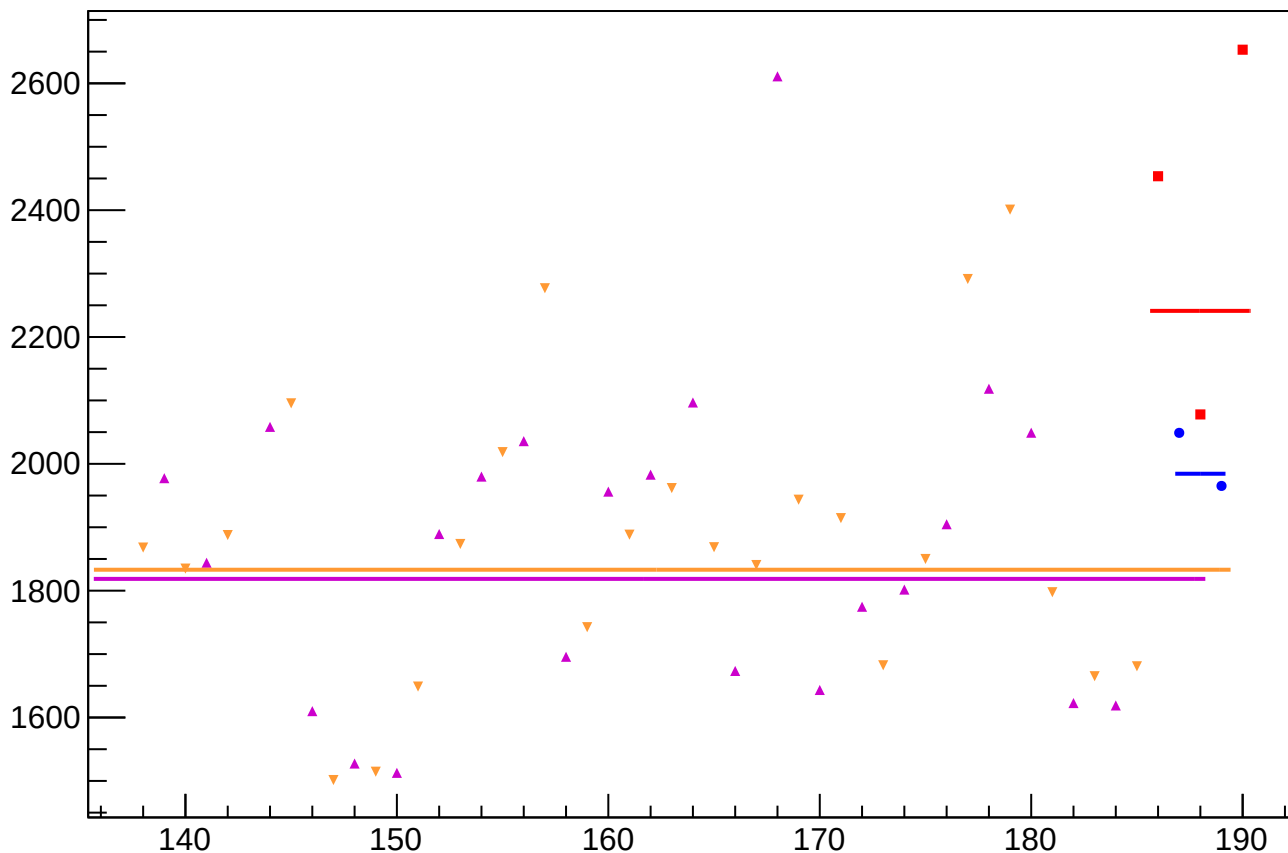
Right: -3768.047 $\pm$ 1452.026 χ^2 /NDF: 1.7/4

In: -2323.480 $\pm$ 430.598 χ^2 /NDF:22.0/24

Out: -2303.709 $\pm$ 426.766 χ^2 /NDF:25.5/26

All: -2313.506 $\pm$ 303.115 χ^2 /NDF: 47.5/51

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 1984.390+/-1.785 χ^2/NDF : 388.7/1

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

Right Out: 2241.220+/-1.255 χ^2/NDF : 33194.5/2

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

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

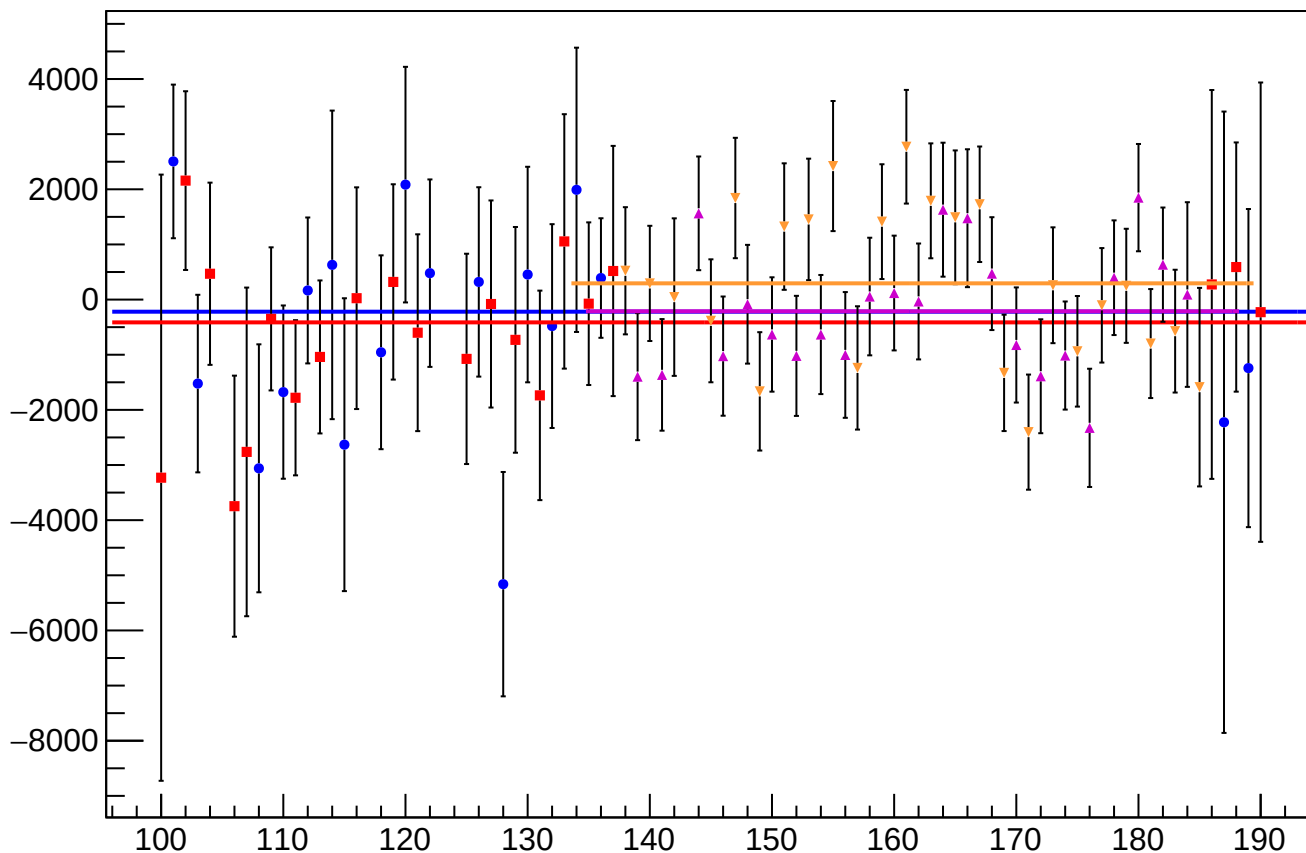
Right: 2156.238+/-1.027 χ^2/NDF : 47436.5/4

In: 1823.419+/-0.304 χ^2/NDF : 545592.3/24

Out: 1856.621+/-0.302 χ^2/NDF : 598305.8/26

All: 1840.168+/-0.214 χ^2/NDF : 1149896.9/51

asym_us_dd_mean vs Slug, Sign Corrected



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

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

Right Out: -413.405 ± 414.494 $\chi^2/\text{NDF}: 8.6/20$

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

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

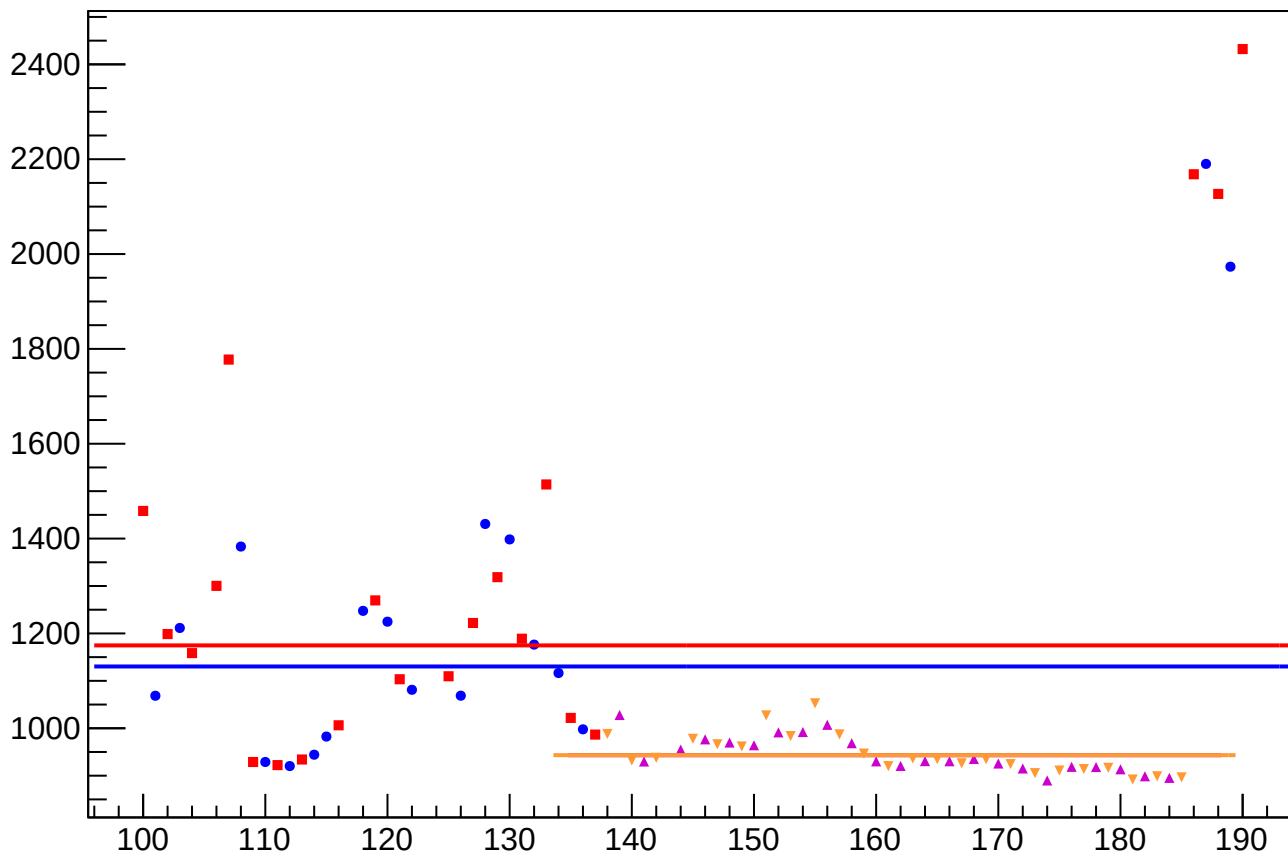
Right: -319.091 ± 296.916 $\chi^2/\text{NDF}: 25.6/38$

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

Out: 134.224 ± 197.299 $\chi^2/\text{NDF}: 49.1/44$

All: -38.527 ± 140.004 $\chi^2/\text{NDF}: 91.3/85$

asym_us_dd_rms vs Slug, Sign Corrected



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

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

Right Out: 1174.734 $\pm$ 0.293 χ^2 /NDF: 1100992.8/20

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

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

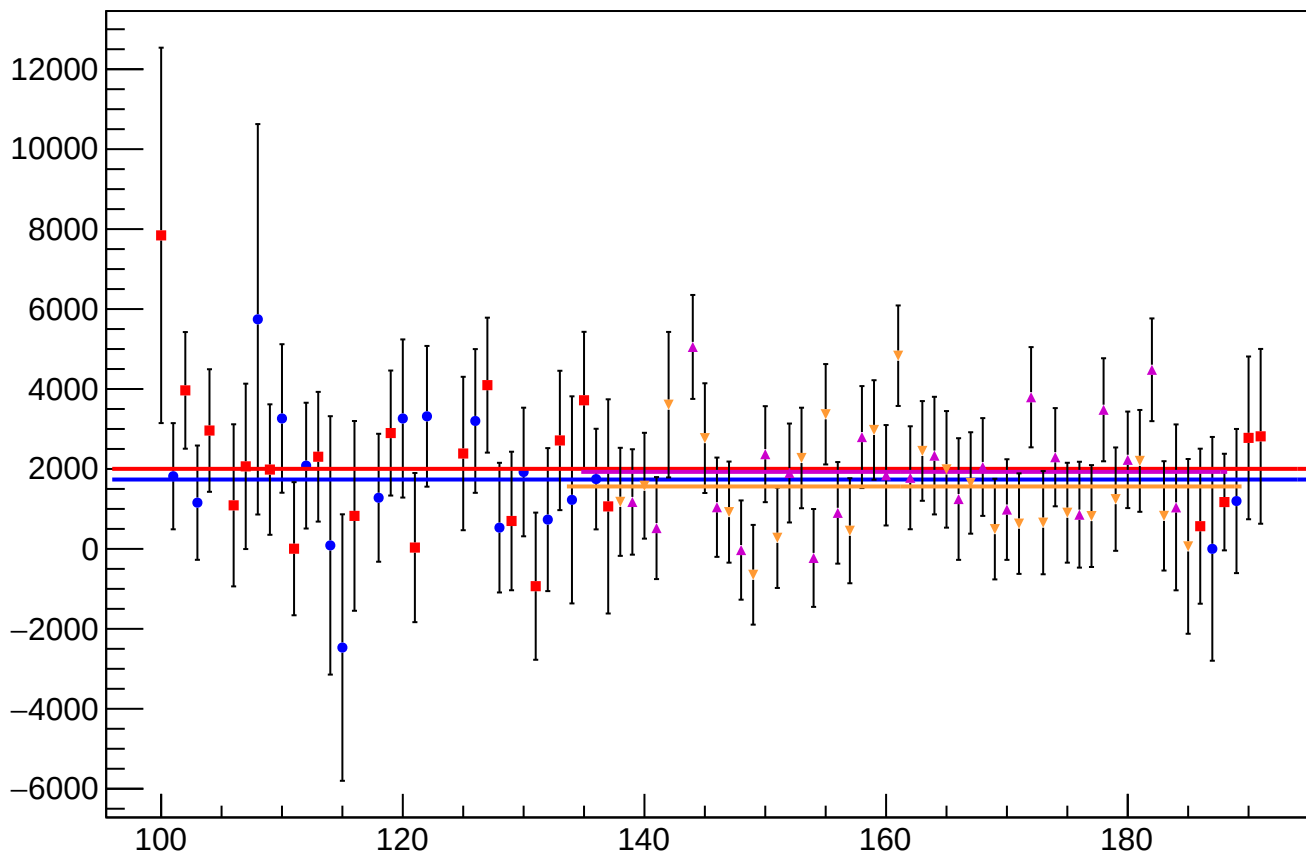
Right: 1153.108 $\pm$ 0.210 χ^2 /NDF: 1615888.4/38

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

Out: 995.758 $\pm$ 0.140 χ^2 /NDF:1643532.4/44

All: 989.895 $\pm$ 0.099 χ^2 /NDF: 2503352.1/85

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1735.431+/-424.455 χ^2/NDF : 7.0/17

Left Out: 1562.090+/-269.272 χ^2/NDF : 21.8/23

Right Out: 2002.451+/-381.568 χ^2/NDF : 14.4/21

Left In: 1926.929+/-269.667 χ^2/NDF : 24.1/22

Left: 1744.243+/-190.544 χ^2/NDF : 46.8/46

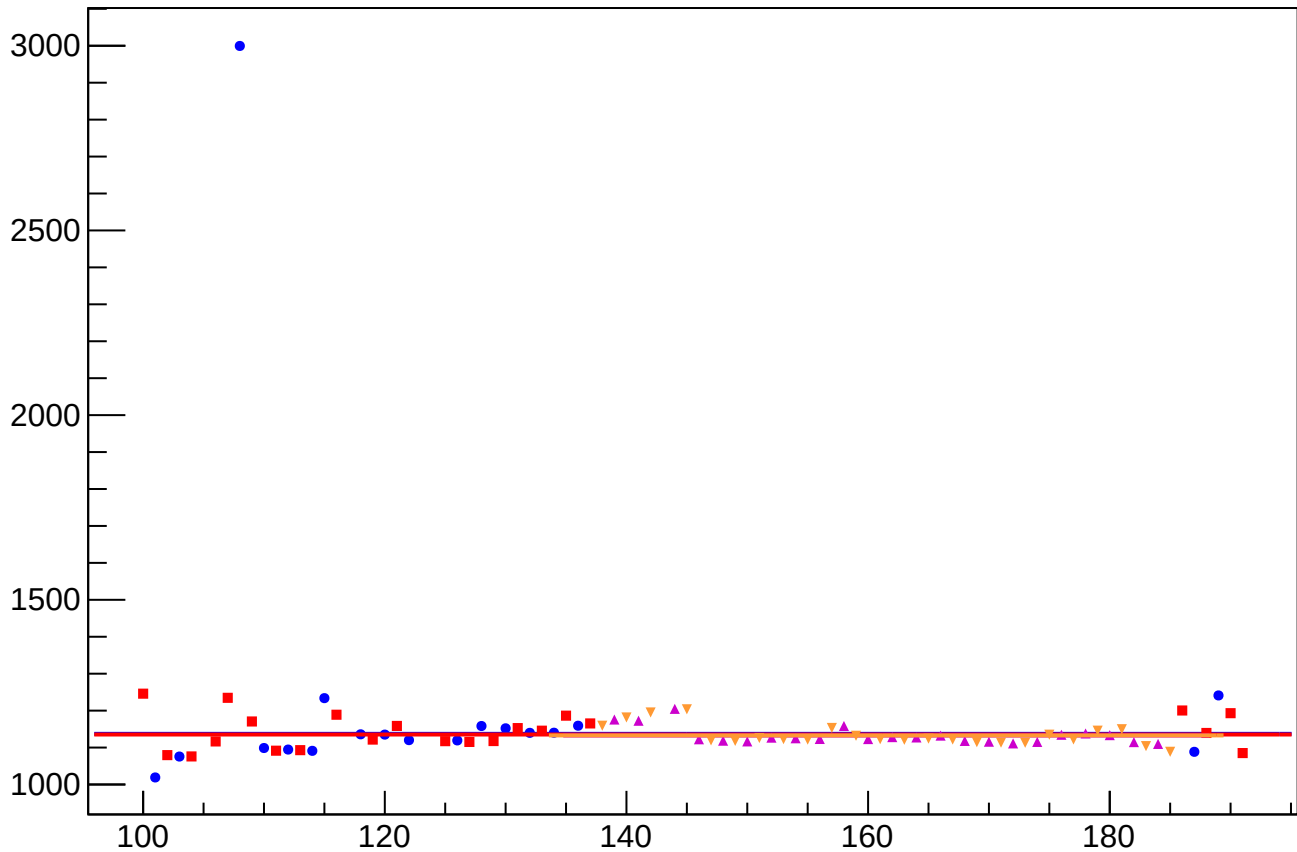
Right: 1883.108+/-283.764 χ^2/NDF : 21.6/39

In: 1871.861+/-227.615 χ^2/NDF : 31.2/40

Out: 1708.487+/-220.006 χ^2/NDF : 37.1/45

All: 1787.398+/-158.189 χ^2/NDF : 68.5/86

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1137.113 $\pm$ 0.300 χ^2 /NDF: 323541.0/17

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

Right Out: 1135.330 $\pm$ 0.270 χ^2 /NDF: 24860.2/21

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

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

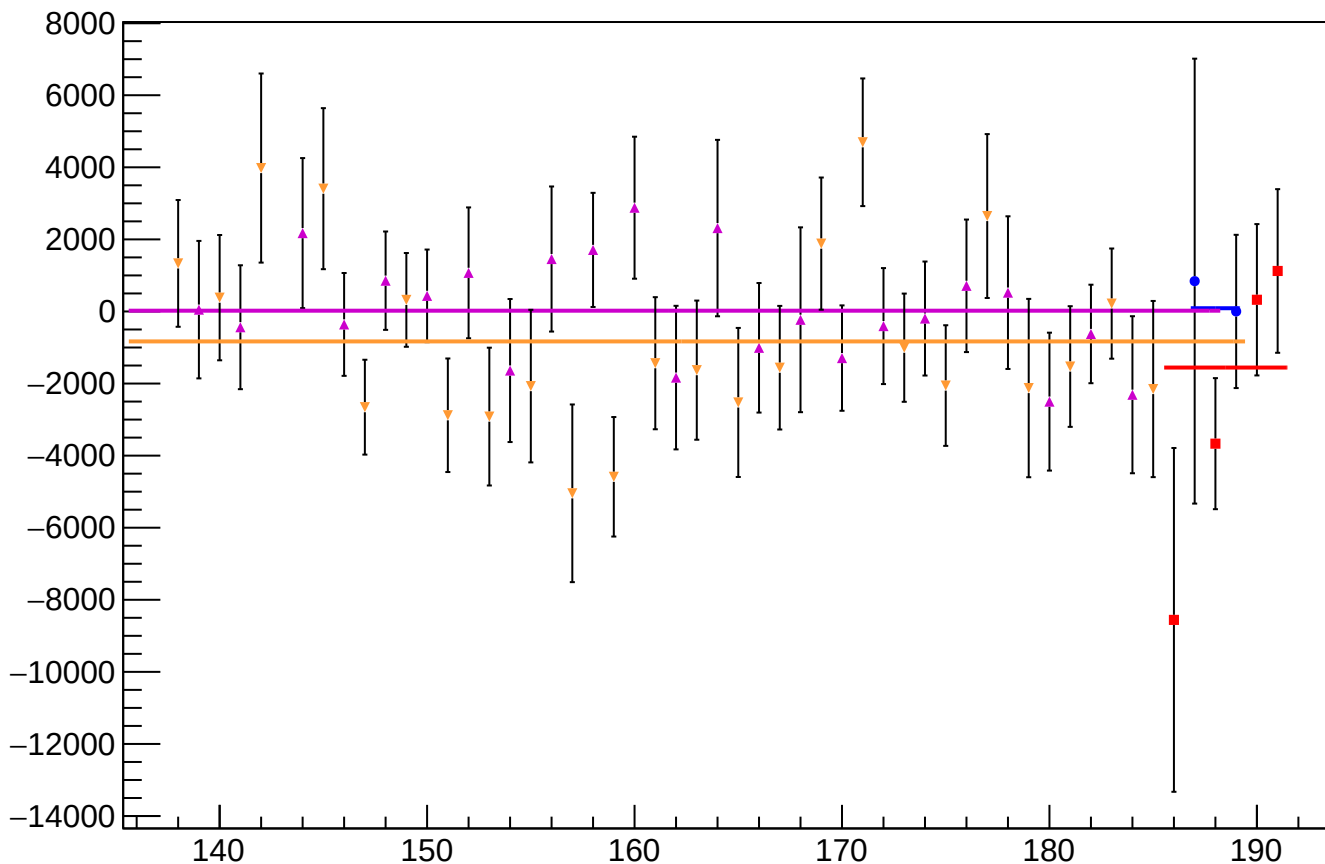
Right: 1136.127 $\pm$ 0.201 χ^2 /NDF: 348420.7/39

In: 1133.877 $\pm$ 0.161 χ^2 /NDF:338229.0/40

Out: 1133.696 $\pm$ 0.156 χ^2 /NDF:41701.9/45

All: 1133.783 $\pm$ 0.112 χ^2 /NDF: 379931.6/86

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: 89.833 $\pm$ 2010.304 χ^2 /NDF: 0.0/1

Left Out: -830.927 $\pm$ 366.086 χ^2 /NDF:40.1/23

Right Out: -1556.116 $\pm$ 1141.579 χ^2 /NDF: 5.7/3

Left In: 21.419 $\pm$ 362.476 χ^2 /NDF:12.8/22

Left: -400.530 $\pm$ 257.576 χ^2 /NDF: 55.6/46

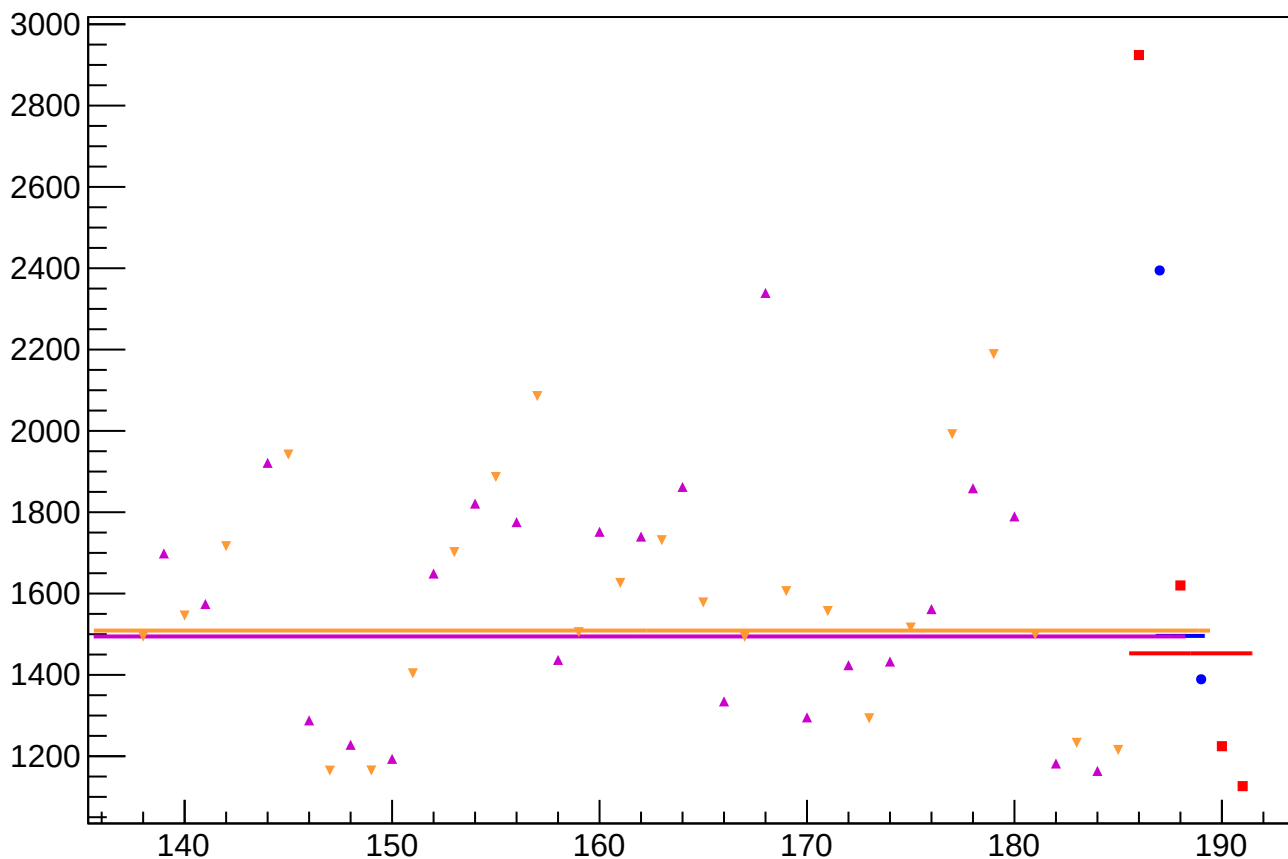
Right: -1154.770 $\pm$ 992.689 χ^2 /NDF: 6.2/5

In: 23.573 $\pm$ 356.723 χ^2 /NDF:12.8/24

Out: -898.550 $\pm$ 348.600 χ^2 /NDF:46.2/27

All: -448.107 $\pm$ 249.320 χ^2 /NDF: 62.4/52

asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 1495.852 $\pm$ 1.421 χ^2 /NDF: 47432.8/1

Left Out: 1508.993 $\pm$ 0.259 χ^2 /NDF:988673.2/23

Right Out: 1452.979 $\pm$ 0.807 χ^2 /NDF: 272209.5/3

Left In: 1494.507 $\pm$ 0.256 χ^2 /NDF:1096280.5/22

Left: 1501.678 $\pm$ 0.182 χ^2 /NDF: 2086534.9/46

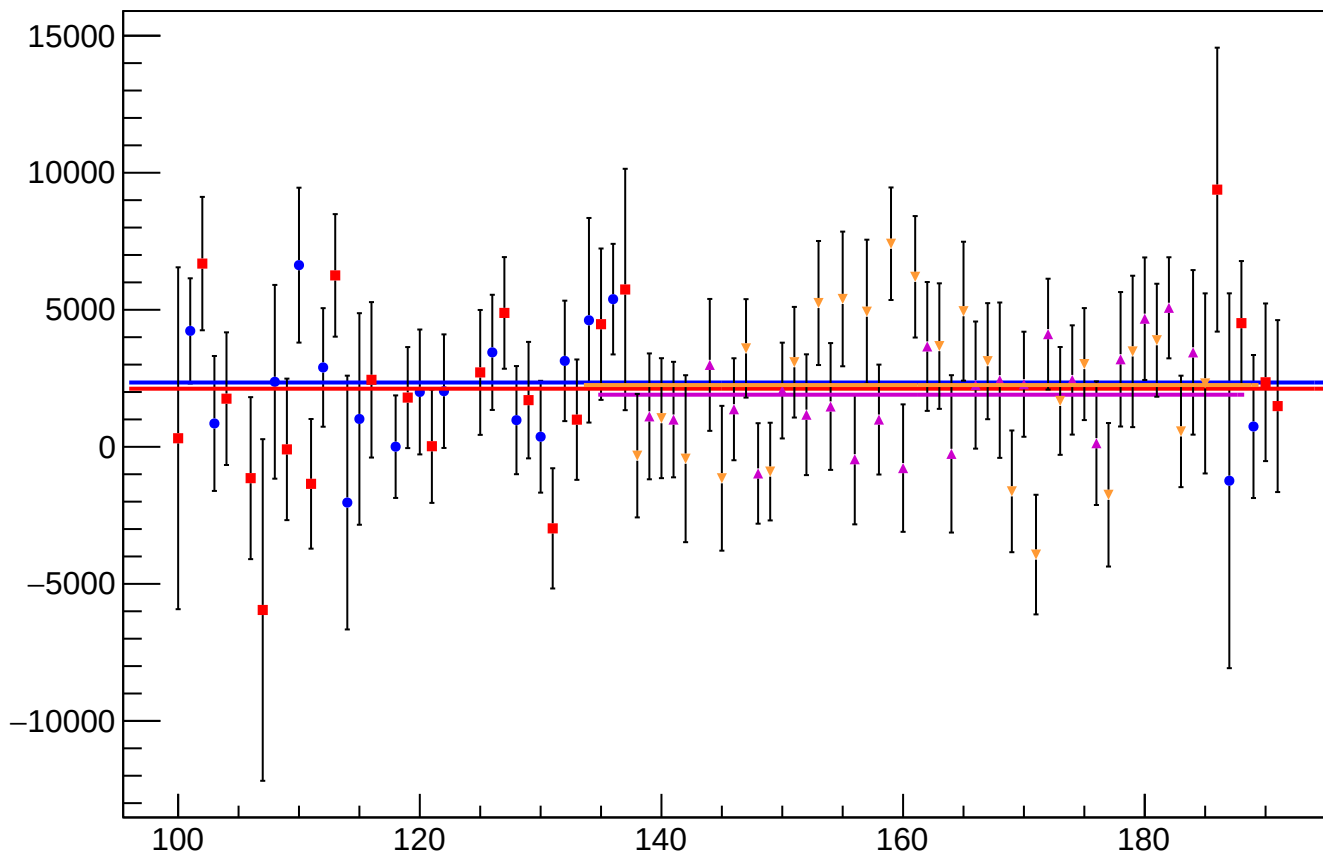
Right: 1463.433 $\pm$ 0.702 χ^2 /NDF: 320330.1/5

In: 1494.549 $\pm$ 0.252 χ^2 /NDF:1143714.2/24

Out: 1503.769 $\pm$ 0.246 χ^2 /NDF:1265248.7/27

All: 1499.265 $\pm$ 0.176 χ^2 /NDF: 2409646.4/52

asym_usl_mean vs Slug, Sign Corrected



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

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

Right Out: 2121.018 $\pm$ 542.734 χ^2 /NDF: 26.0/21

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

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

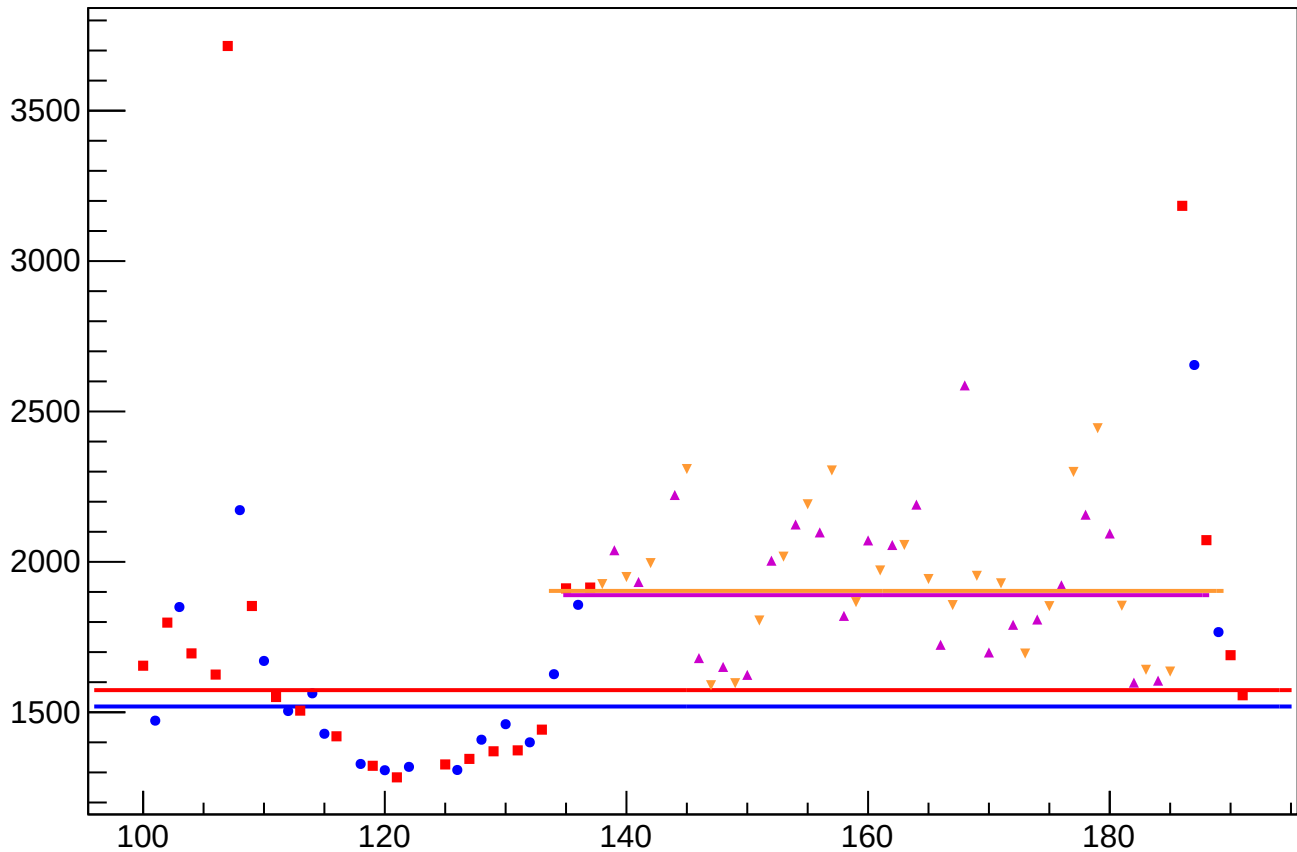
Right: 2228.815 $\pm$ 392.469 χ^2 /NDF: 37.6/39

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

Out: 2198.904 $\pm$ 349.303 χ^2 /NDF:64.8/45

All: 2137.988 $\pm$ 248.857 χ^2 /NDF: 90.5/86

asym_usl_rms vs Slug, Sign Corrected



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

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

Right Out: 1573.587 $\pm$ 0.384 χ^2/NDF : 793507.9/21

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

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

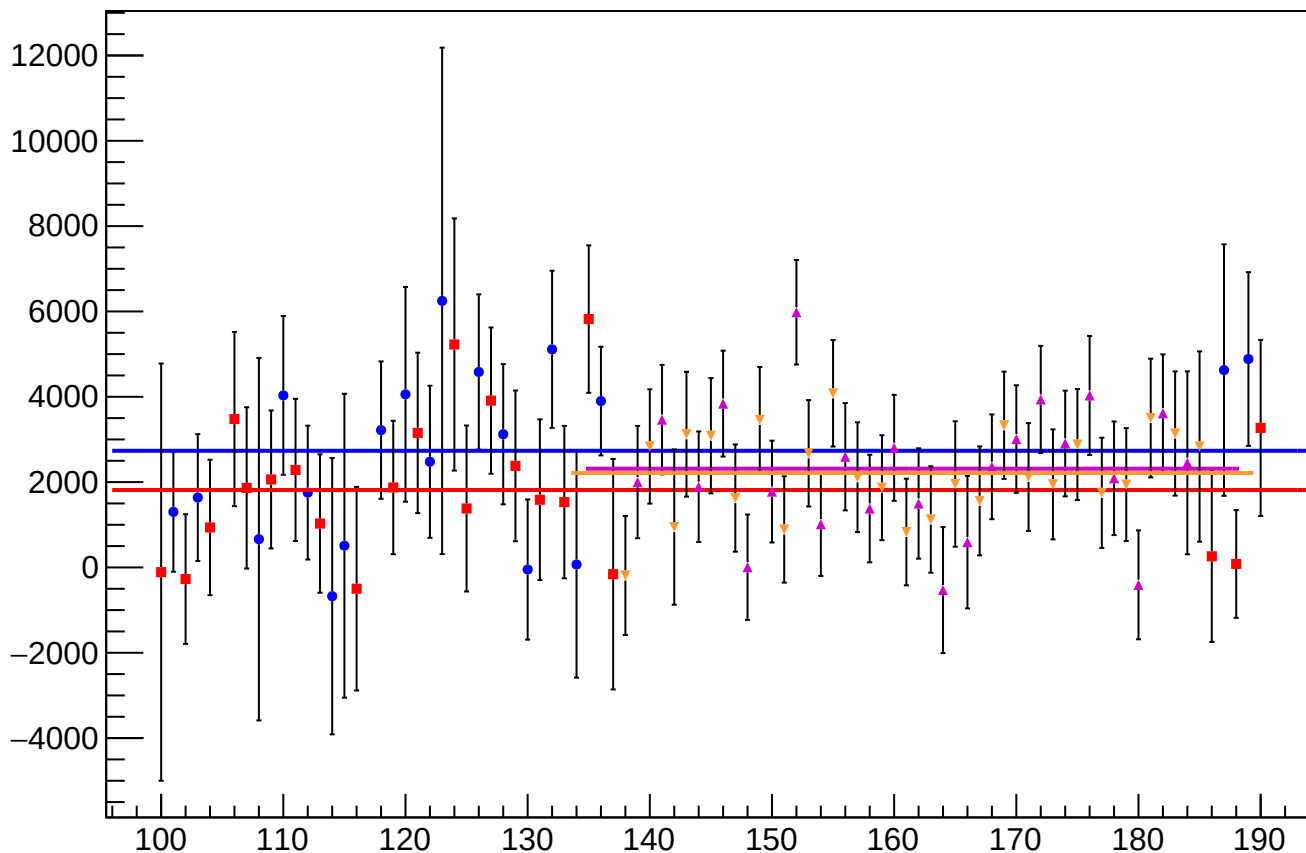
Right: 1547.630 $\pm$ 0.278 χ^2/NDF : 1137516.1/39

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

Out: 1766.818 $\pm$ 0.247 χ^2/NDF : 1688193.8/45

All: 1756.146 $\pm$ 0.176 χ^2/NDF : 3053173.6/86

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2734.279 $\pm$ 437.467 χ^2 /NDF: 13.9/18

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

Right Out: 1815.374 $\pm$ 389.274 χ^2 /NDF: 16.7/21

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

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

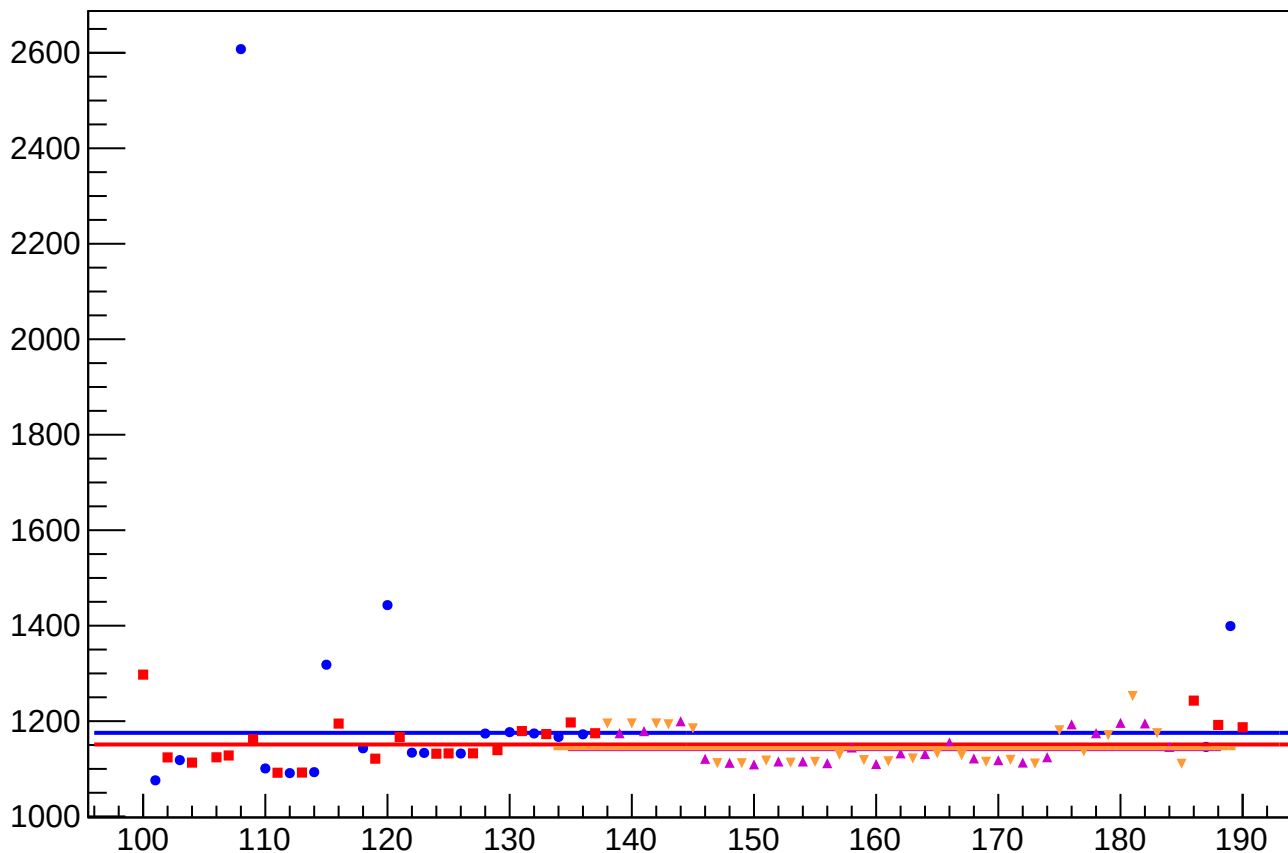
Right: 2221.443 $\pm$ 290.810 χ^2 /NDF: 33.1/40

In: 2431.658 $\pm$ 230.913 χ^2 /NDF:46.2/41

Out: 2086.046 $\pm$ 220.140 χ^2 /NDF:31.6/46

All: 2250.602 $\pm$ 159.335 χ^2 /NDF: 78.9/88

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1175.529 $\pm$ 0.309 χ^2 /NDF: 303953.1/18

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

Right Out: 1151.113 $\pm$ 0.275 χ^2 /NDF: 20798.8/21

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

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

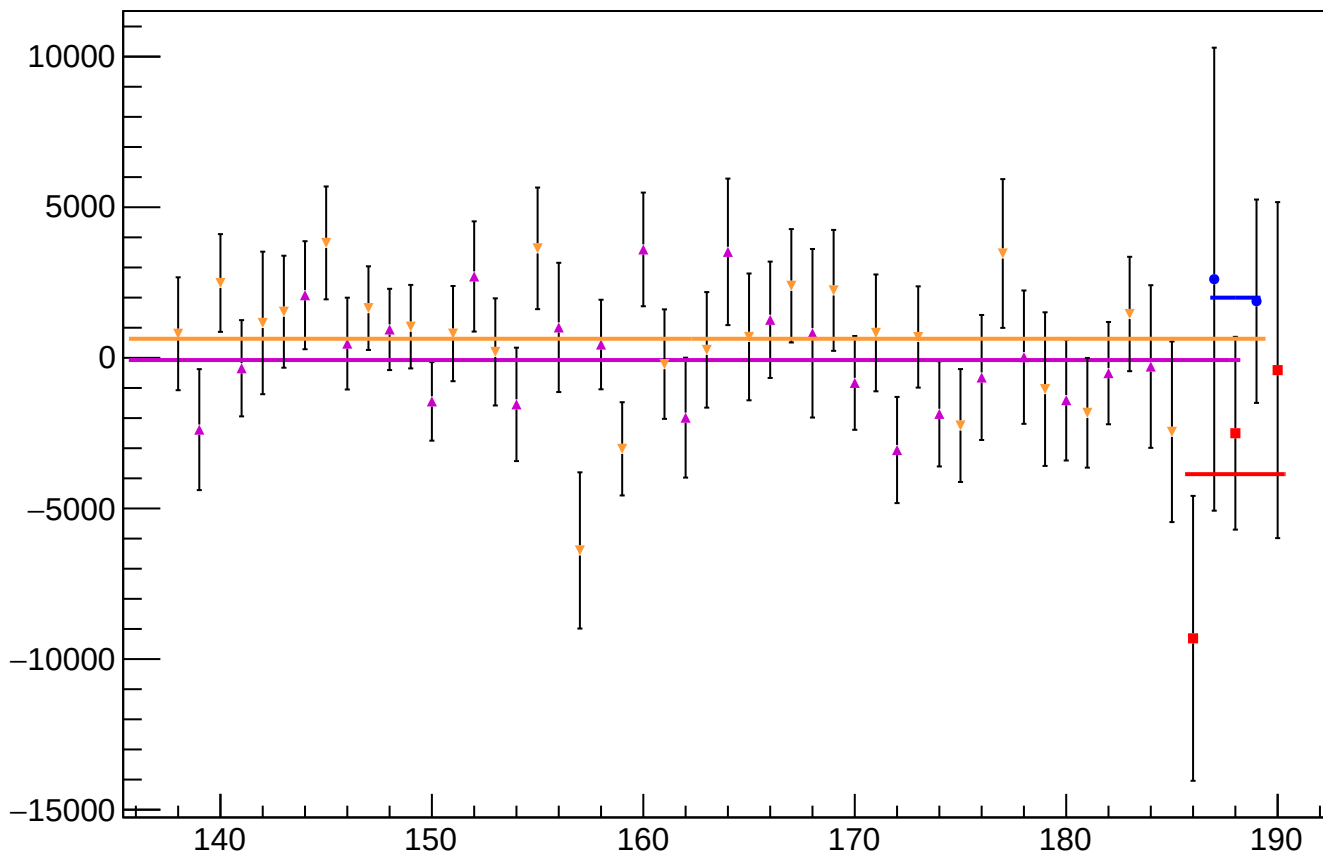
Right: 1161.903 $\pm$ 0.206 χ^2 /NDF: 328228.7/40

In: 1150.882 $\pm$ 0.163 χ^2 /NDF: 340768.2/41

Out: 1145.764 $\pm$ 0.156 χ^2 /NDF: 60847.3/46

All: 1148.201 $\pm$ 0.113 χ^2 /NDF: 402130.2/88

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: 1998.514 $\pm$ 3090.786 χ^2 /NDF: 0.0/1

Left Out: 633.748 $\pm$ 371.934 χ^2 /NDF:29.3/24

Right Out: -3860.989 $\pm$ 2393.674 χ^2 /NDF: 1.9/2

Left In: -72.962 $\pm$ 375.277 χ^2 /NDF:20.1/22

Left: 283.555 $\pm$ 264.171 χ^2 /NDF: 51.2/47

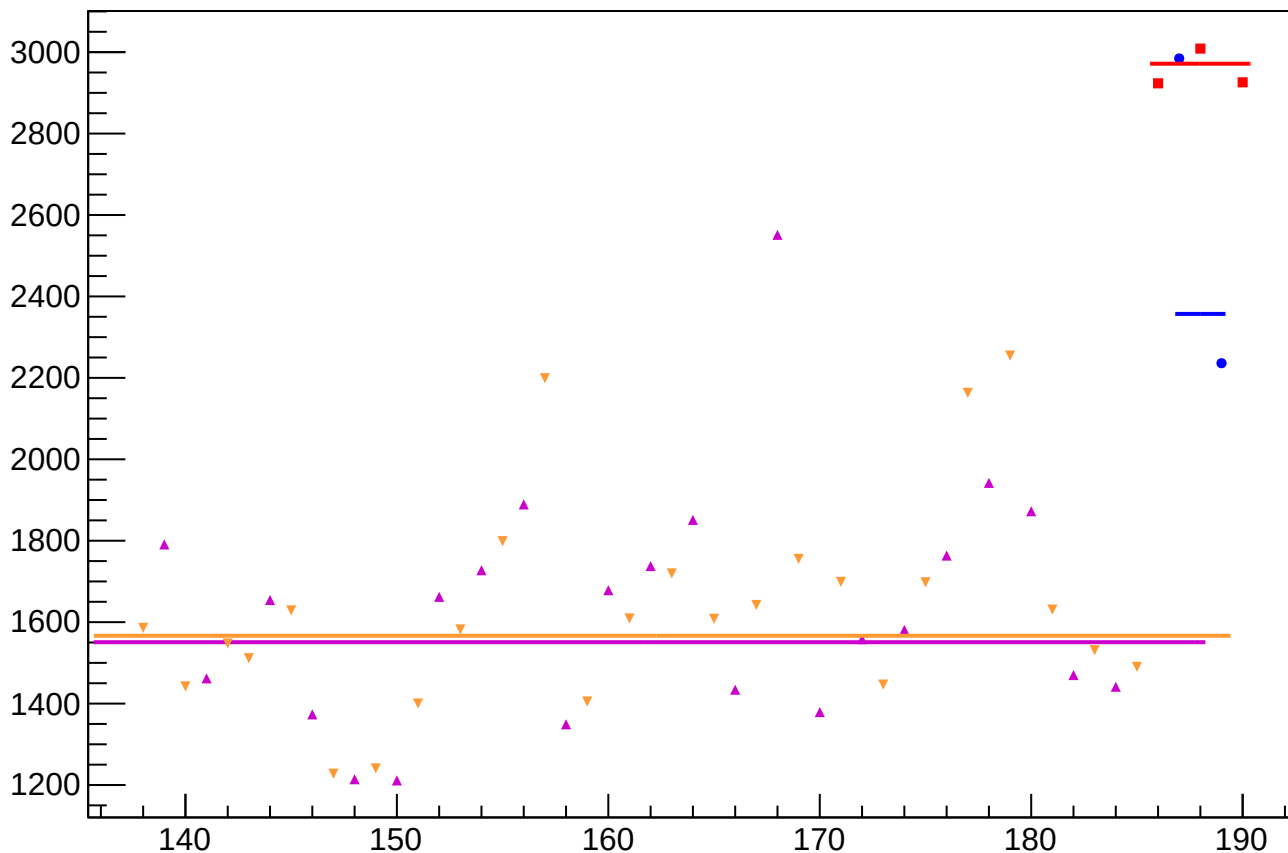
Right: -1664.179 $\pm$ 1892.496 χ^2 /NDF: 4.1/4

In: -42.867 $\pm$ 372.541 χ^2 /NDF:20.6/24

Out: 527.787 $\pm$ 367.523 χ^2 /NDF:34.6/27

All: 246.329 $\pm$ 261.634 χ^2 /NDF: 56.3/52

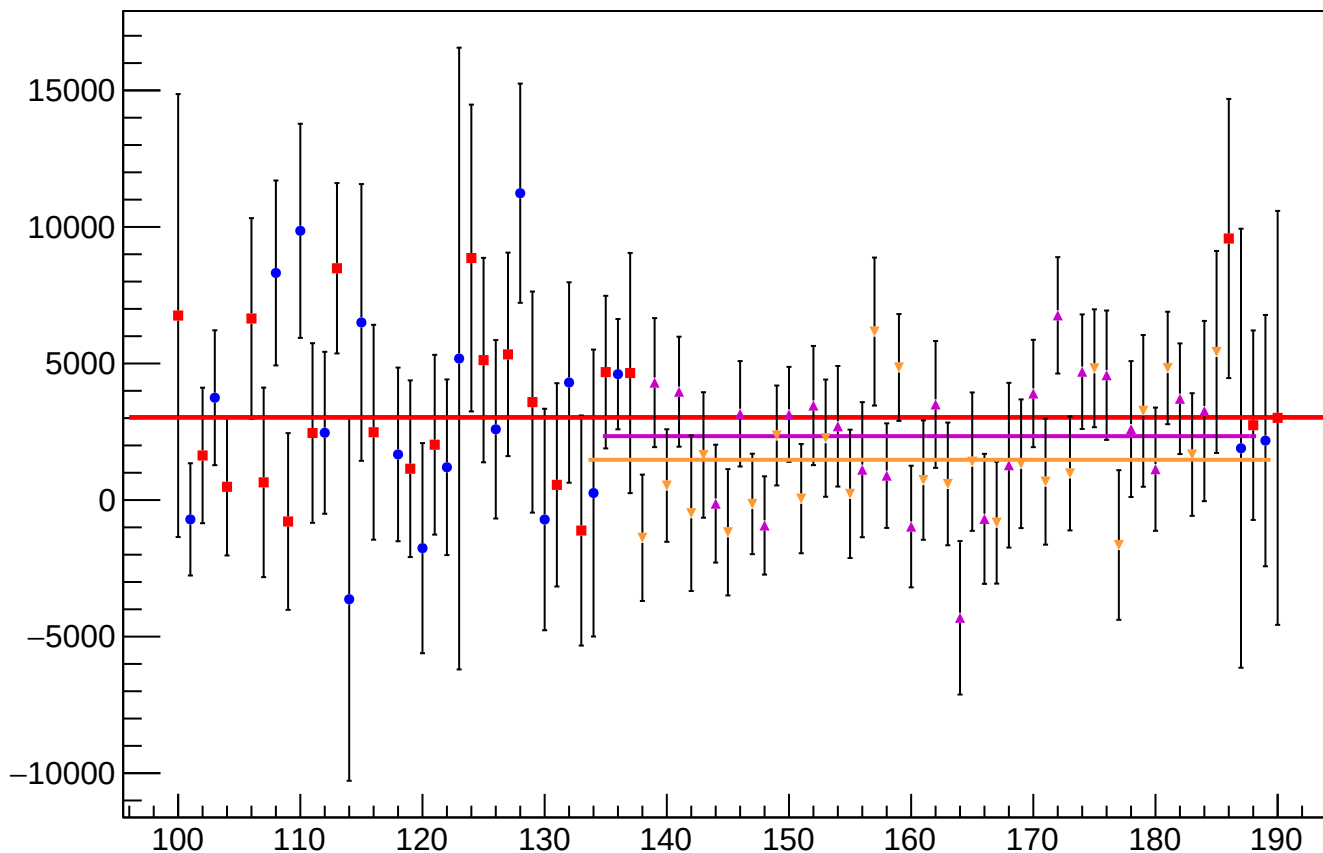
asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 2357.079+/-2.186 χ^2/NDF : 15902.8/1
 Left Out: 1566.626+/-0.263 χ^2/NDF : 766955.2/24
 Right Out: 2971.622+/-1.693 χ^2/NDF : 611.2/2
 Left In: 1550.750+/-0.265 χ^2/NDF : 928652.8/22

Left: 1558.759+/-0.187 χ^2/NDF : 1697413.8/47
 Right: 2741.221+/-1.338 χ^2/NDF : 65937.8/4
 In: 1562.464+/-0.263 χ^2/NDF : 1078696.6/24
 Out: 1599.748+/-0.260 χ^2/NDF : 1440371.4/27
 All: 1581.359+/-0.185 χ^2/NDF : 2529219.7/52

asym_usr_mean vs Slug, Sign Corrected



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

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

Right Out: 3016.949 $\pm$ 762.593 χ^2/NDF : 13.3/21

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

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

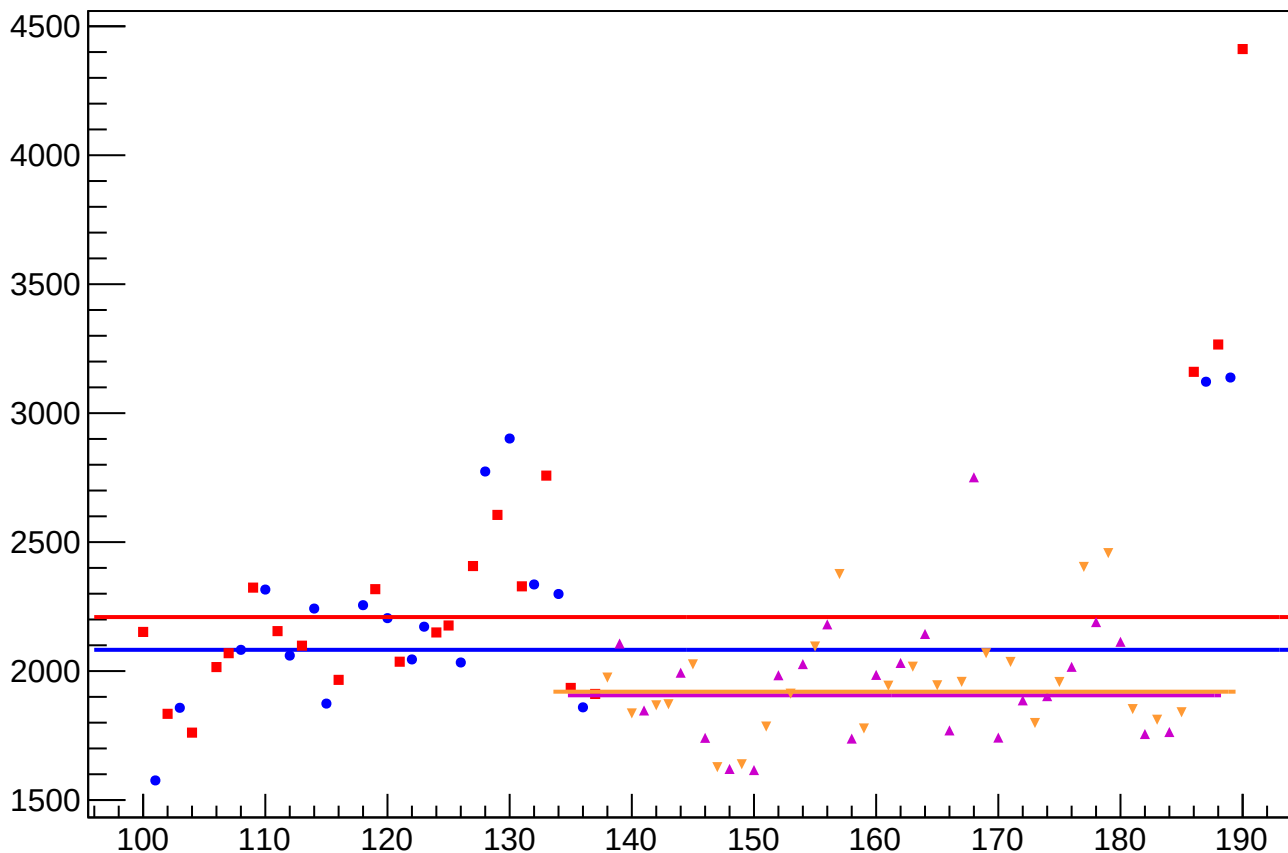
Right: 3024.560 $\pm$ 546.063 χ^2/NDF : 31.8/40

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

Out: 1875.496 $\pm$ 388.415 χ^2/NDF : 37.2/46

All: 2190.654 $\pm$ 276.911 χ^2/NDF : 82.9/88

asym_usr_rms vs Slug, Sign Corrected



Right In: 2082.406 ± 0.553 $\chi^2/\text{NDF}: 475609.4/18$

Left Out: 1920.082 ± 0.319 $\chi^2/\text{NDF}: 365919.7/24$

Right Out: 2209.416 ± 0.539 $\chi^2/\text{NDF}: 652388.0/21$

Left In: 1906.043 ± 0.323 $\chi^2/\text{NDF}: 451054.7/22$

Left: 1913.157 ± 0.227 $\chi^2/\text{NDF}: 817929.0/47$

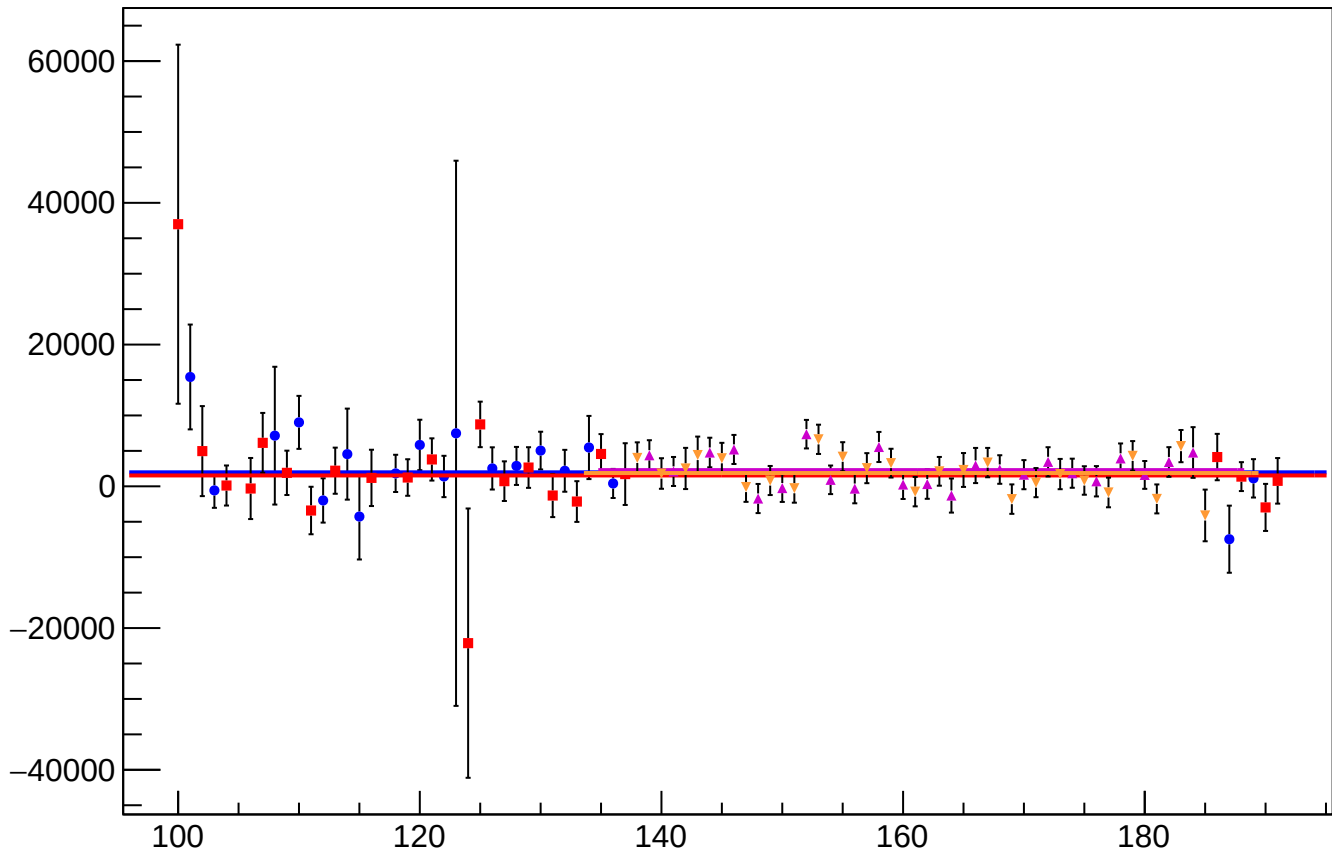
Right: 2147.529 ± 0.386 $\chi^2/\text{NDF}: 1155029.6/40$

In: 1950.982 ± 0.279 $\chi^2/\text{NDF}: 1002413.8/41$

Out: 1995.142 ± 0.275 $\chi^2/\text{NDF}: 1231520.6/46$

All: 1973.427 ± 0.196 $\chi^2/\text{NDF}: 2246646.5/88$

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1974.318 $\pm$ 758.543 χ^2 /NDF: 19.1/18

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

Right Out: 1533.997 $\pm$ 681.500 χ^2 /NDF: 19.7/22

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

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

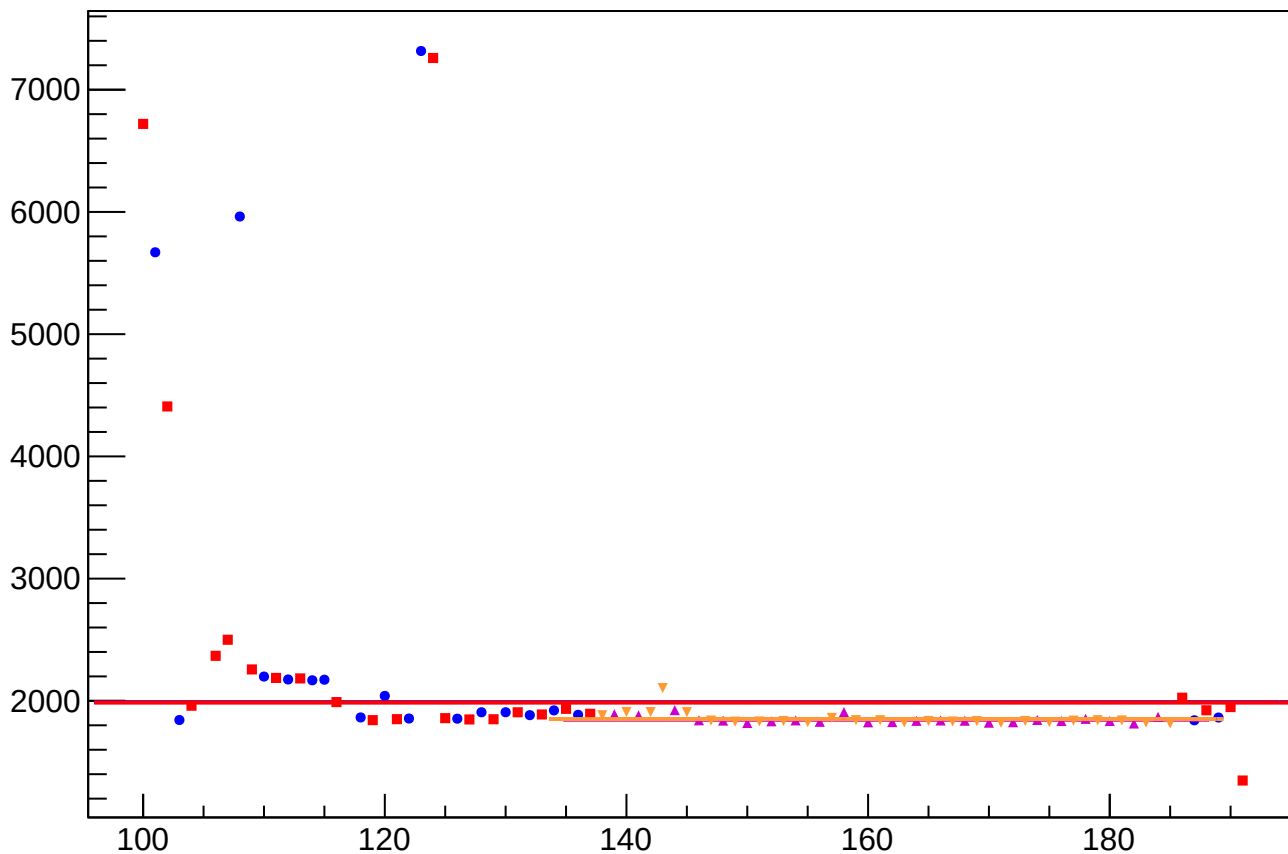
Right: 1730.667 $\pm$ 506.950 χ^2 /NDF: 39.0/41

In: 2207.463 $\pm$ 381.254 χ^2 /NDF:46.5/41

Out: 1777.059 $\pm$ 365.618 χ^2 /NDF:49.9/47

All: 1983.254 $\pm$ 263.886 χ^2 /NDF: 97.1/89

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1989.283+/-0.536 χ^2/NDF : 923014.4/18

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

Right Out: 1986.445+/-0.482 χ^2/NDF : 699562.5/22

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

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

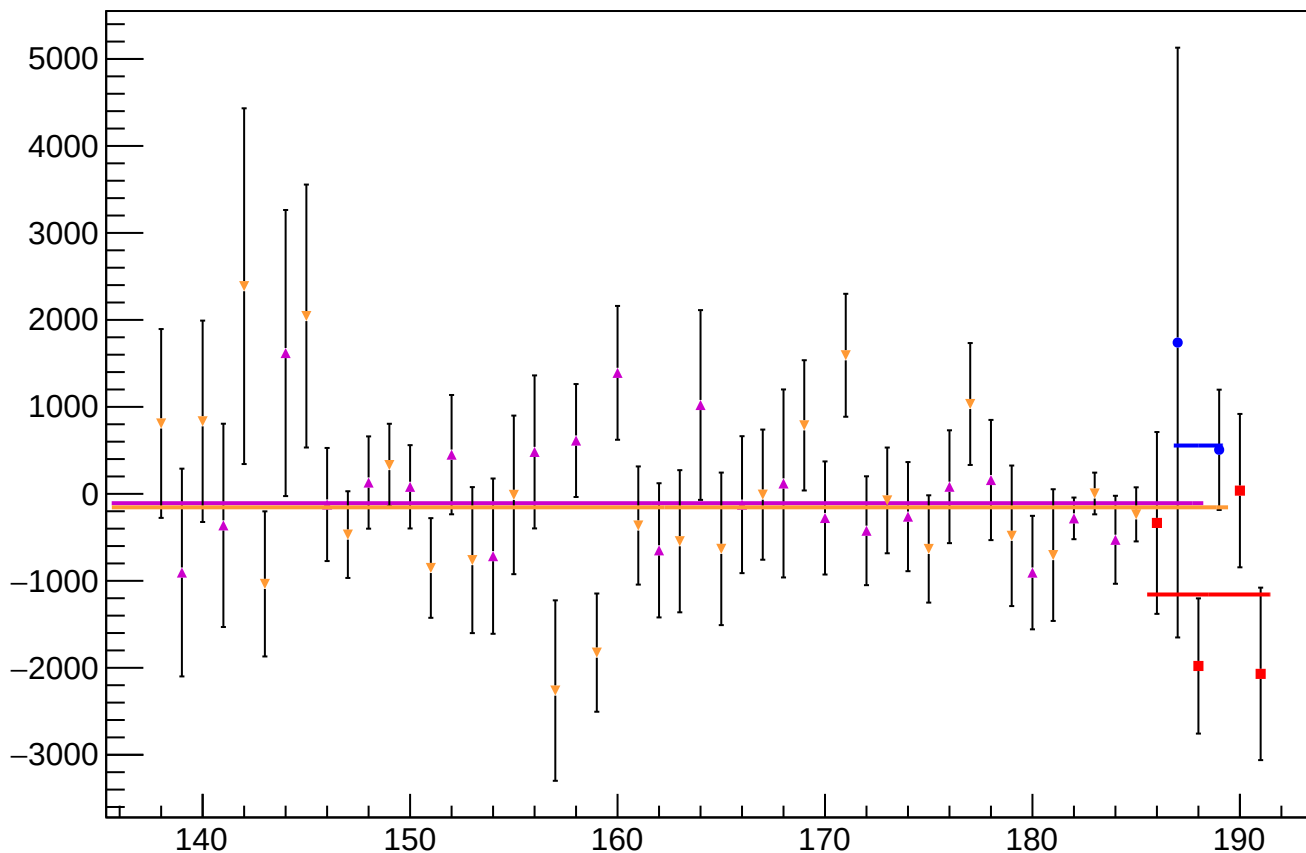
Right: 1987.713+/-0.358 χ^2/NDF : 1622592.4/41

In: 1881.756+/-0.270 χ^2/NDF : 985106.1/41

Out: 1890.031+/-0.259 χ^2/NDF : 782021.3/47

All: 1886.067+/-0.187 χ^2/NDF : 1767618.3/89

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: 555.617 ± 677.475 χ^2/NDF : 0.1/1

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

Right Out: -1156.976 ± 452.957 χ^2/NDF : 4.4/3

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

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

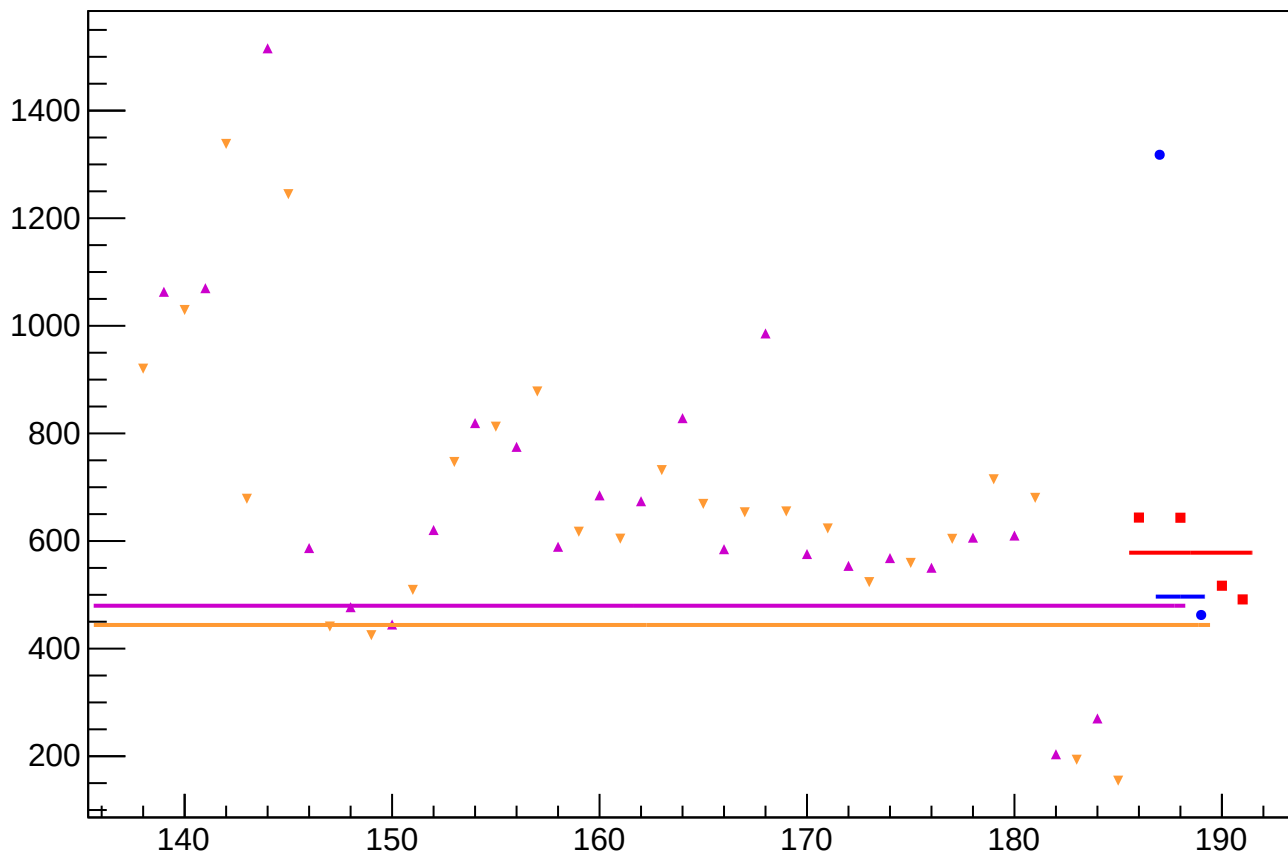
Right: -627.913 ± 376.548 χ^2/NDF : 9.0/5

In: -84.681 ± 125.376 χ^2/NDF : 14.6/24

Out: -220.214 ± 115.686 χ^2/NDF : 42.0/28

All: -157.887 ± 85.022 χ^2/NDF : 57.2/53

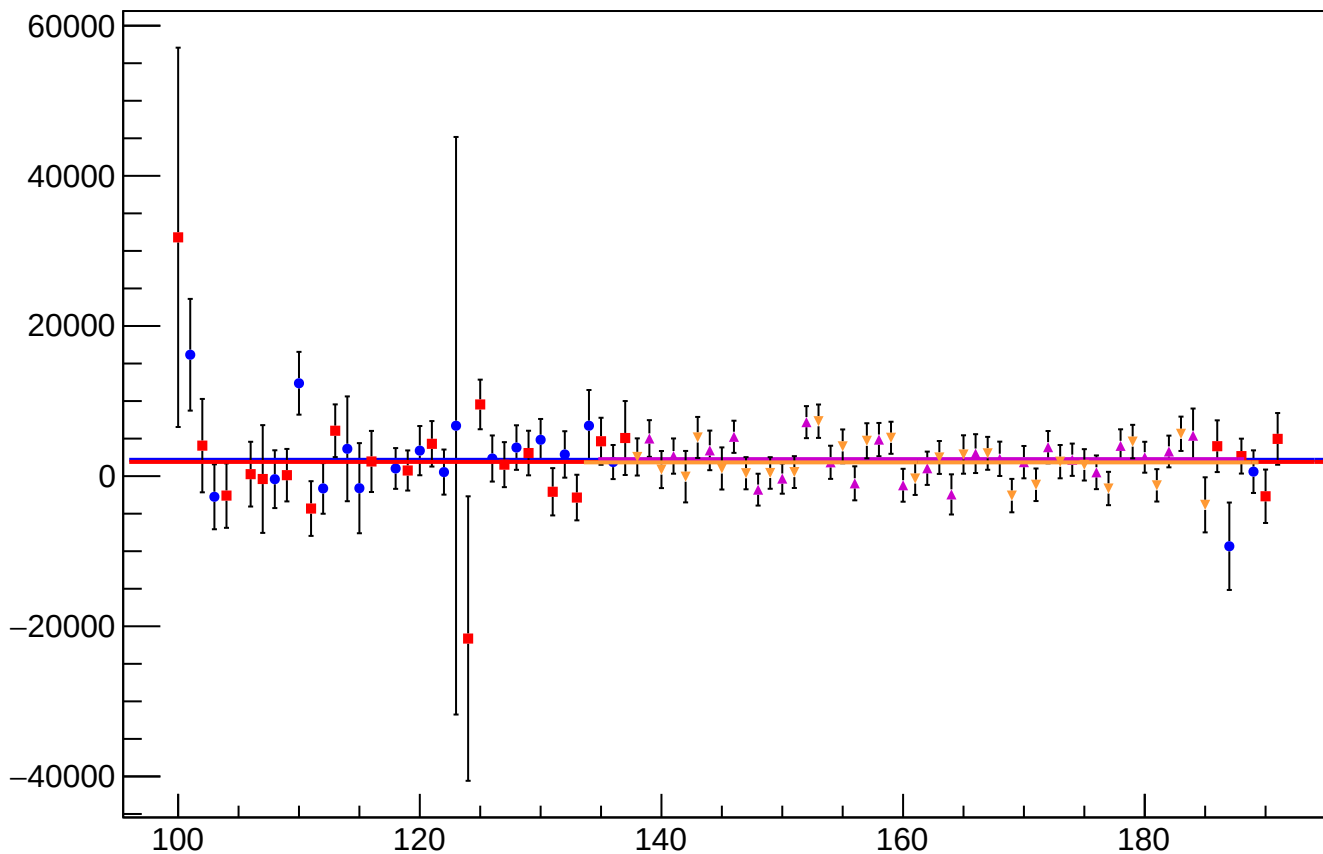
asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 496.683 $\pm$ 0.479 χ^2 /NDF: 122231.2/1
 Left Out: 443.961 $\pm$ 0.085 χ^2 /NDF: 8573133.3/24
 Right Out: 578.301 $\pm$ 0.320 χ^2 /NDF: 46816.7/3
 Left In: 479.723 $\pm$ 0.090 χ^2 /NDF: 6734597.7/22

Left: 460.697 $\pm$ 0.062 χ^2 /NDF: 15391334.0/47
 Right: 553.087 $\pm$ 0.266 χ^2 /NDF: 189108.2/5
 In: 480.304 $\pm$ 0.089 χ^2 /NDF: 6858039.5/24
 Out: 452.724 $\pm$ 0.082 χ^2 /NDF: 8784398.0/28
 All: 465.407 $\pm$ 0.060 χ^2 /NDF: 15694708.9/53

asym_at1_avg_mean vs Slug, Sign Corrected



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

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

Right Out: 1894.954+/-744.021 χ^2/NDF : 23.5/22

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

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

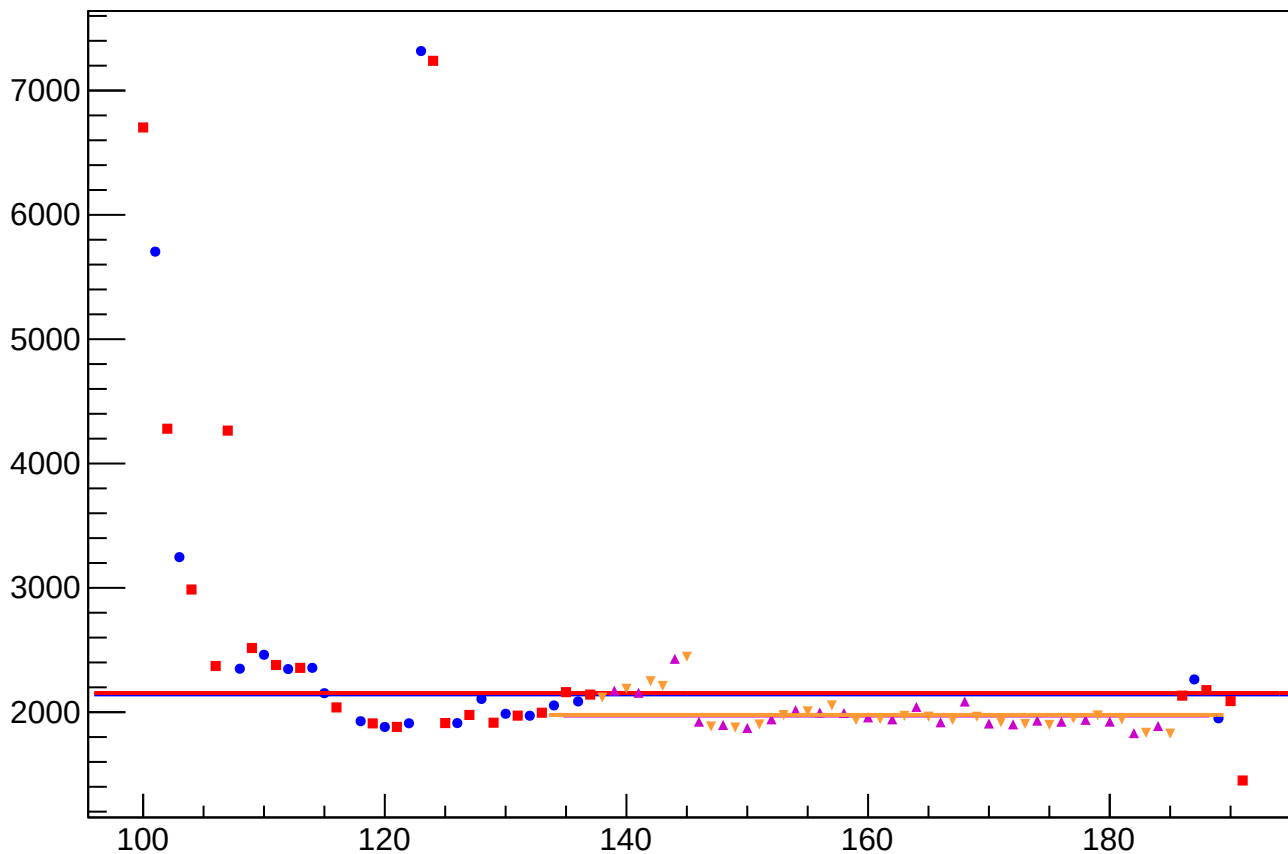
Right: 2022.500+/-548.443 χ^2/NDF : 43.5/41

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

Out: 1851.575+/-393.576 χ^2/NDF : 56.3/47

All: 2037.943+/-283.338 χ^2/NDF : 103.1/89

asym_at1_avg_rms vs Slug, Sign Corrected



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

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

Right Out: 2154.228 $\pm$ 0.526 χ^2 /NDF: 893101.7/22

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

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

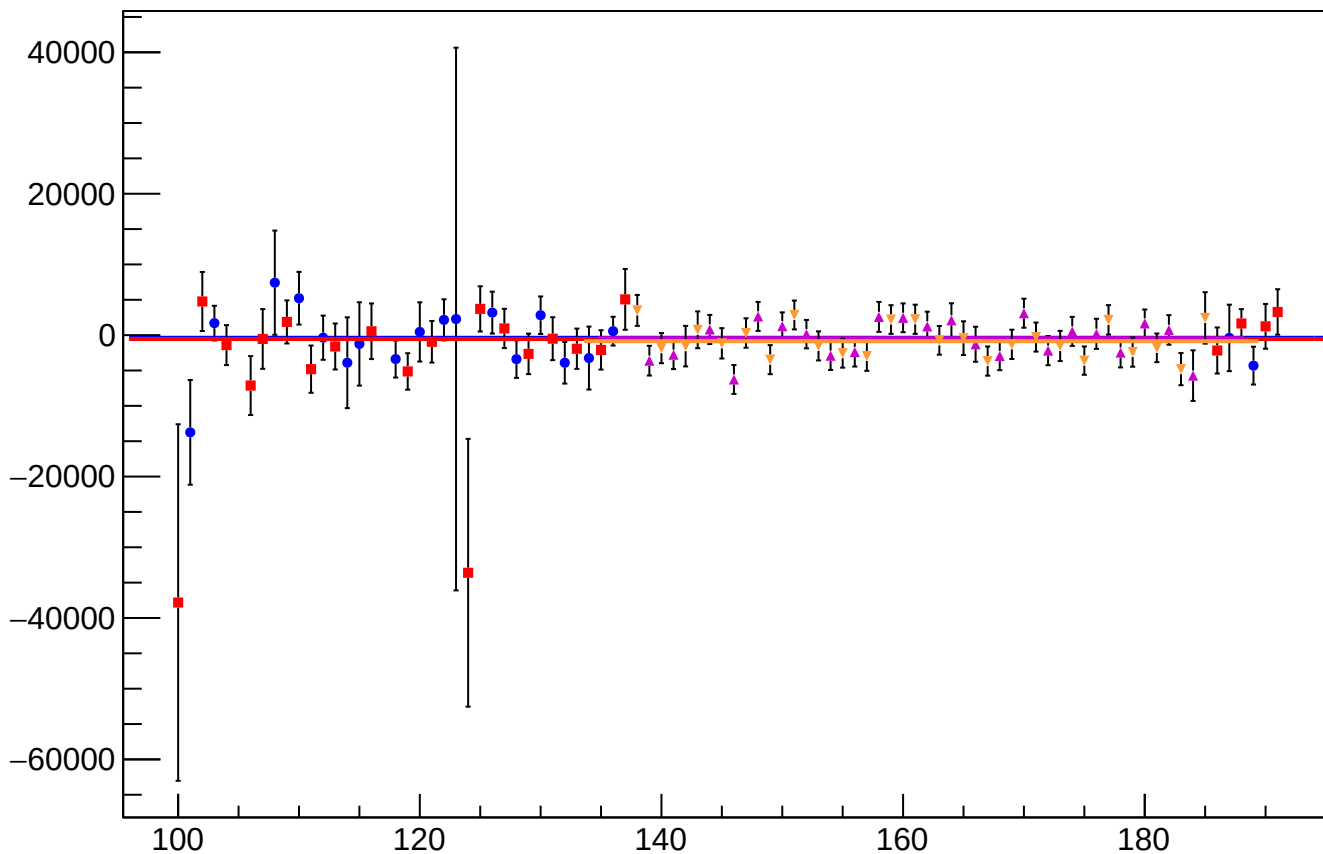
Right: 2149.207 $\pm$ 0.388 χ^2 /NDF: 1617828.9/41

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

Out: 2027.345 $\pm$ 0.278 χ^2 /NDF: 1111567.4/47

All: 2021.990 $\pm$ 0.200 χ^2 /NDF: 2022902.9/89

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -372.364+/-757.656 χ^2/NDF : 18.2/18

Left Out: -858.637+/-431.465 χ^2/NDF : 26.9/24

Right Out: -545.221+/-670.865 χ^2/NDF : 23.1/22

Left In: -427.682+/-439.561 χ^2/NDF : 33.7/22

Left: -647.165+/-307.914 χ^2/NDF : 61.1/47

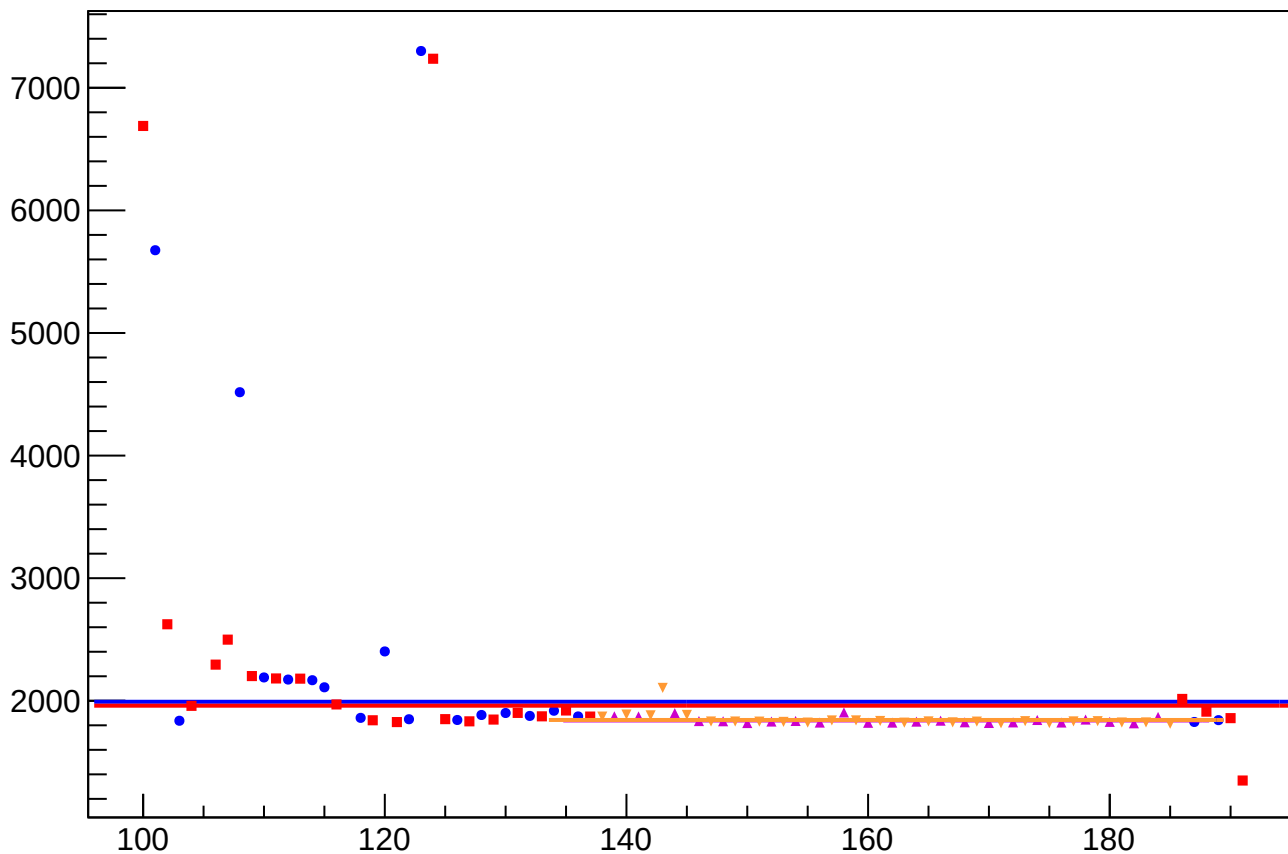
Right: -469.256+/-502.268 χ^2/NDF : 41.3/41

In: -413.752+/-380.208 χ^2/NDF : 51.9/41

Out: -766.930+/-362.891 χ^2/NDF : 50.1/47

All: -598.566+/-262.511 χ^2/NDF : 102.4/89

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1992.034+/-0.536 χ^2/NDF : 849515.5/18

Left Out: 1843.534+/-0.305 χ^2/NDF : 24974.2/24

Right Out: 1960.026+/-0.474 χ^2/NDF : 450063.0/22

Left In: 1839.431+/-0.311 χ^2/NDF : 6418.5/22

Left: 1841.521+/-0.218 χ^2/NDF : 31481.4/47

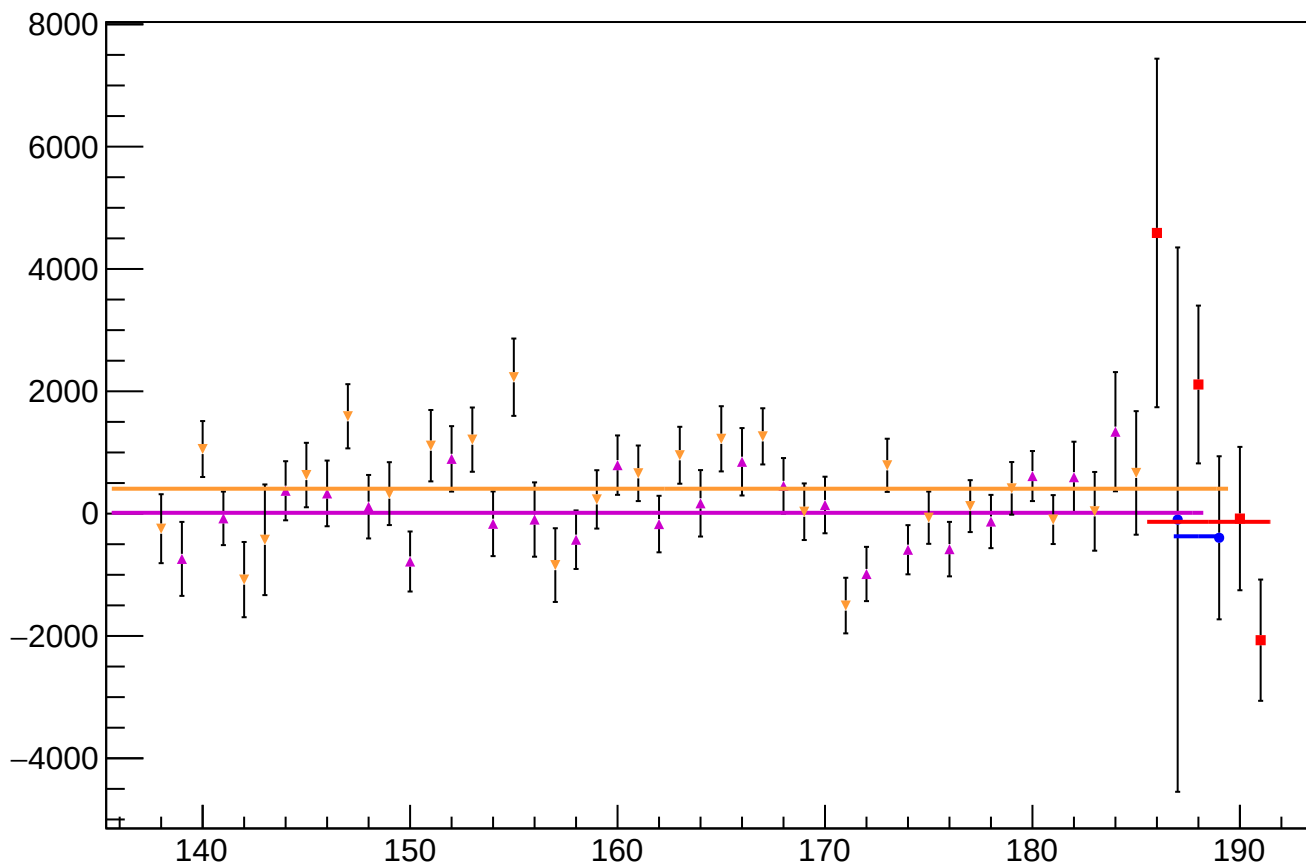
Right: 1974.093+/-0.355 χ^2/NDF : 1301579.2/41

In: 1877.860+/-0.269 χ^2/NDF : 916637.6/41

Out: 1877.620+/-0.257 χ^2/NDF : 517697.0/47

All: 1877.735+/-0.186 χ^2/NDF : 1434334.9/89

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: -370.570+/-1276.991 χ^2/NDF : 0.0/1

Left Out: 407.320+/-101.221 χ^2/NDF : 62.1/24

Right Out: -133.909+/-636.291 χ^2/NDF : 9.6/3

Left In: 13.395+/-102.912 χ^2/NDF : 29.2/22

Left: 213.621+/-72.165 χ^2/NDF : 98.8/47

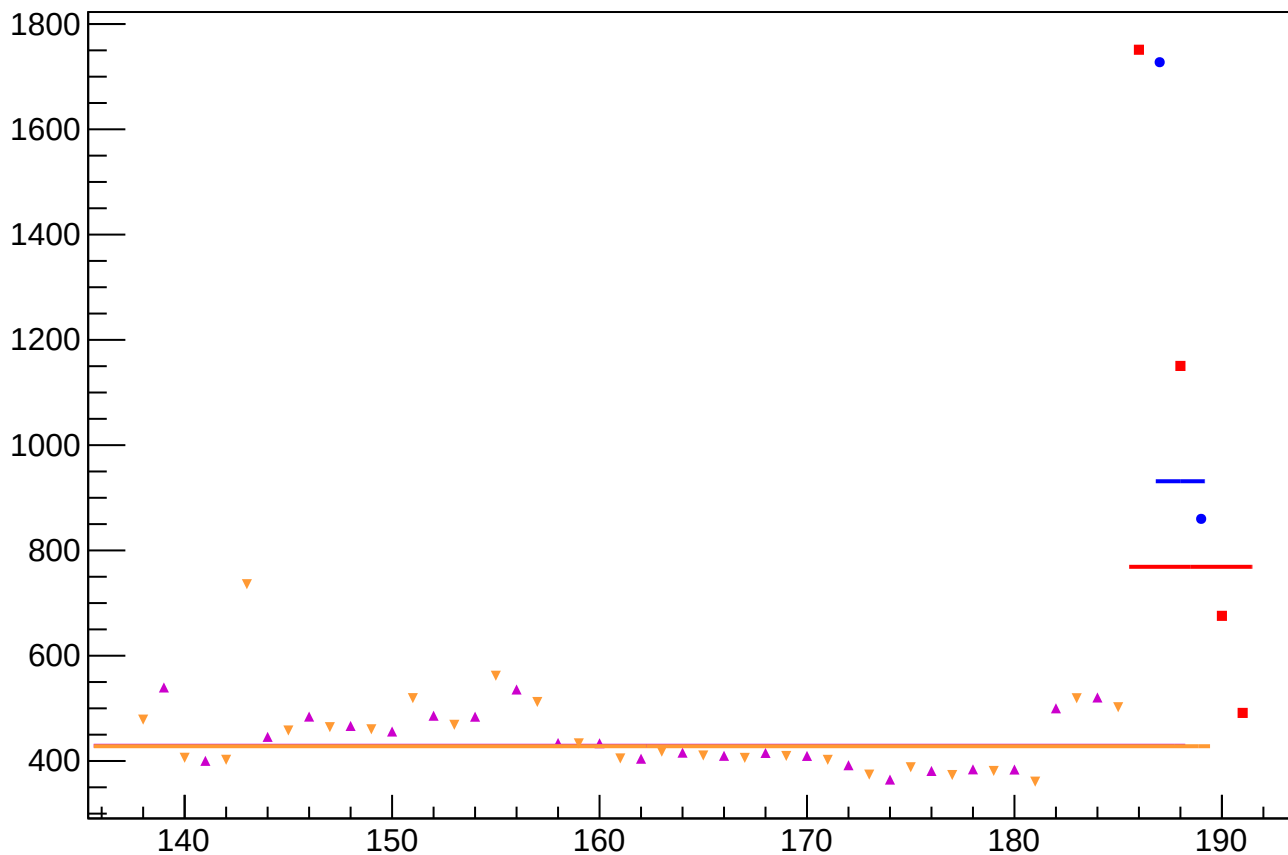
Right: -180.980+/-569.509 χ^2/NDF : 9.6/5

In: 10.917+/-102.580 χ^2/NDF : 29.3/24

Out: 393.962+/-99.964 χ^2/NDF : 72.4/28

All: 207.385+/-71.592 χ^2/NDF : 108.9/53

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 931.422+/-0.903 χ^2/NDF : 69750.1/1

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

Right Out: 768.893+/-0.450 χ^2/NDF : 582139.3/3

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

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

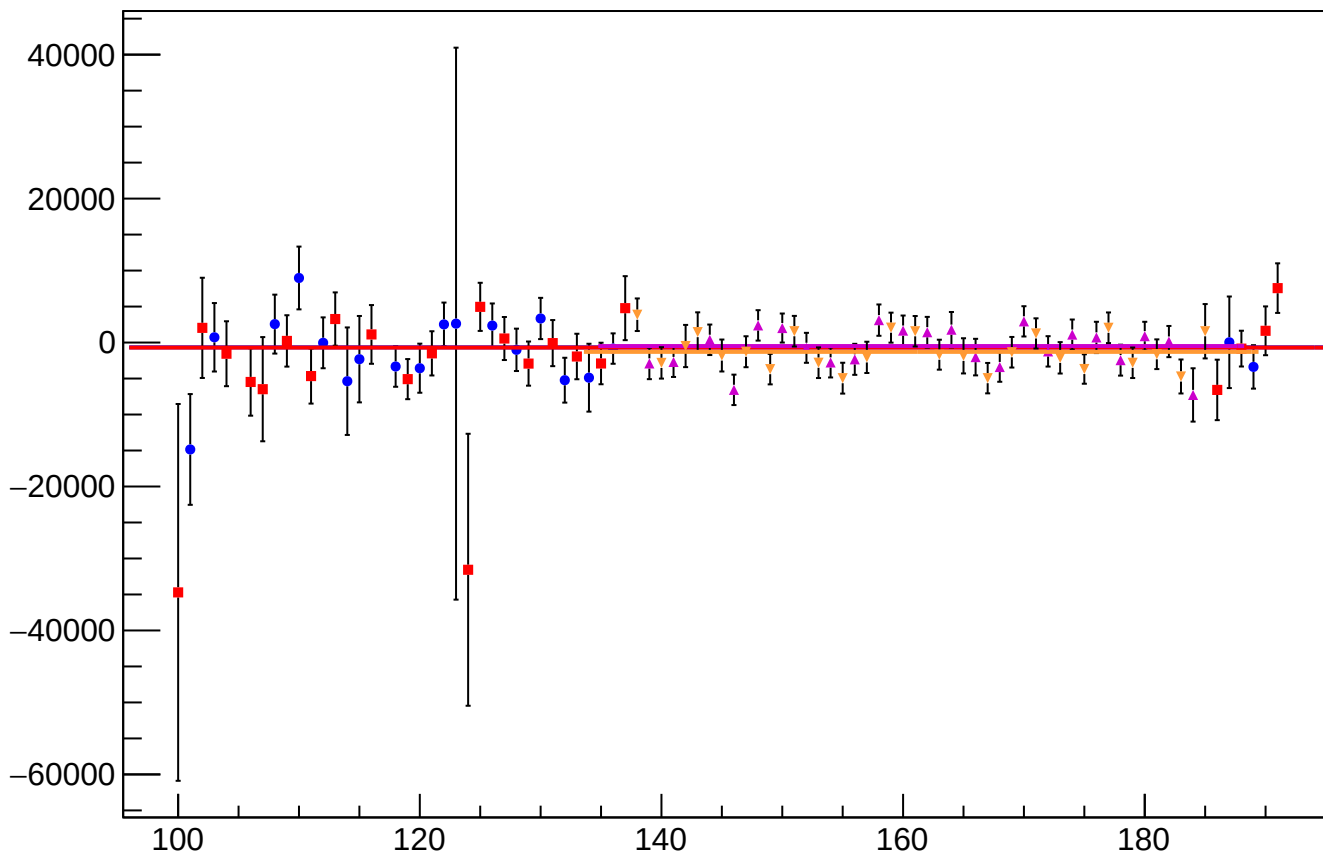
Right: 801.219+/-0.403 χ^2/NDF : 677843.3/5

In: 432.169+/-0.073 χ^2/NDF : 796190.7/24

Out: 436.465+/-0.071 χ^2/NDF : 1846587.2/28

All: 434.372+/-0.051 χ^2/NDF : 2644576.8/53

asym_at1_dd_mean vs Slug, Sign Corrected



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

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

Right Out: -697.328+/-762.580 χ^2/NDF : 25.3/22

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

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

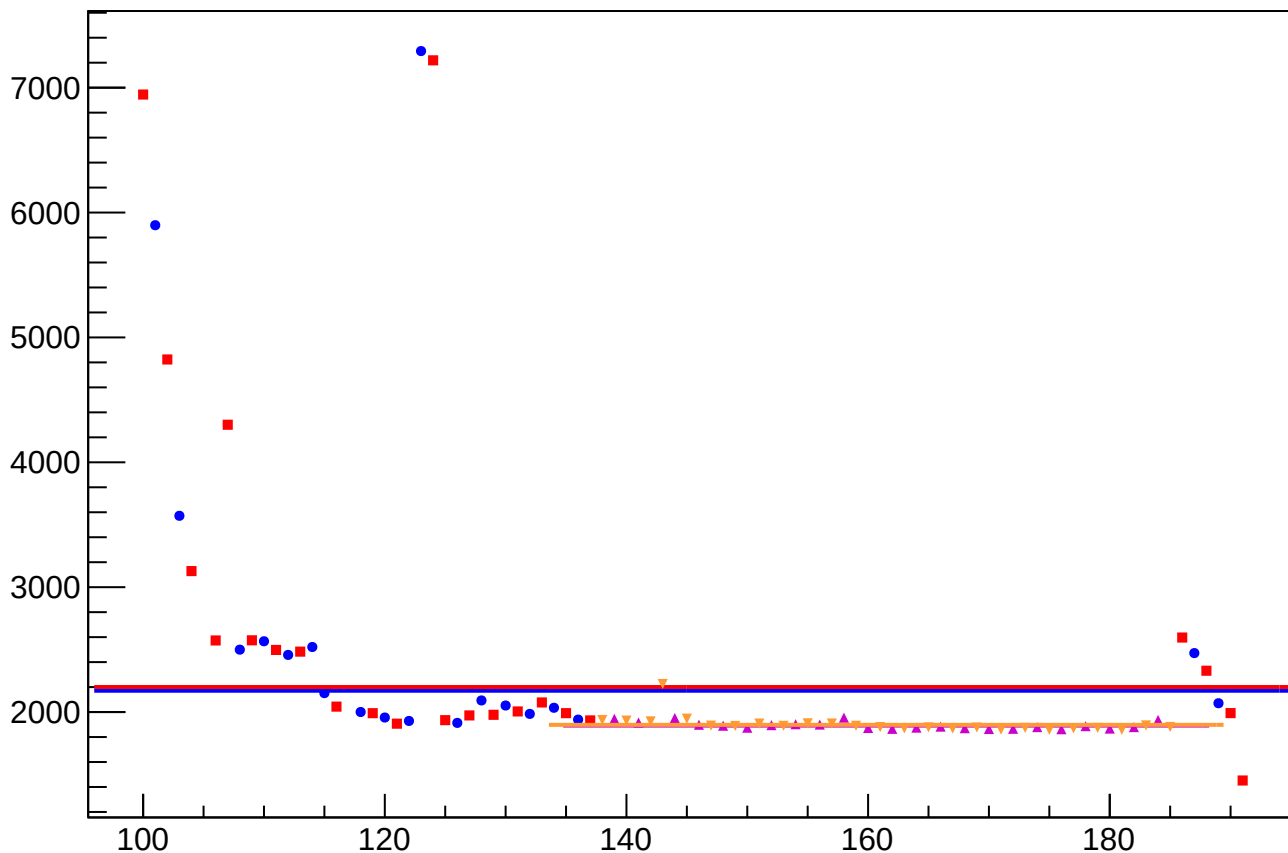
Right: -684.008+/-559.878 χ^2/NDF : 44.2/41

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

Out: -1142.976+/-383.799 χ^2/NDF : 55.4/47

All: -845.408+/-275.726 χ^2/NDF : 108.0/89

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2170.880+/-0.583 χ^2/NDF : 812069.3/18

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

Right Out: 2200.569+/-0.539 χ^2/NDF : 1023295.9/22

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

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

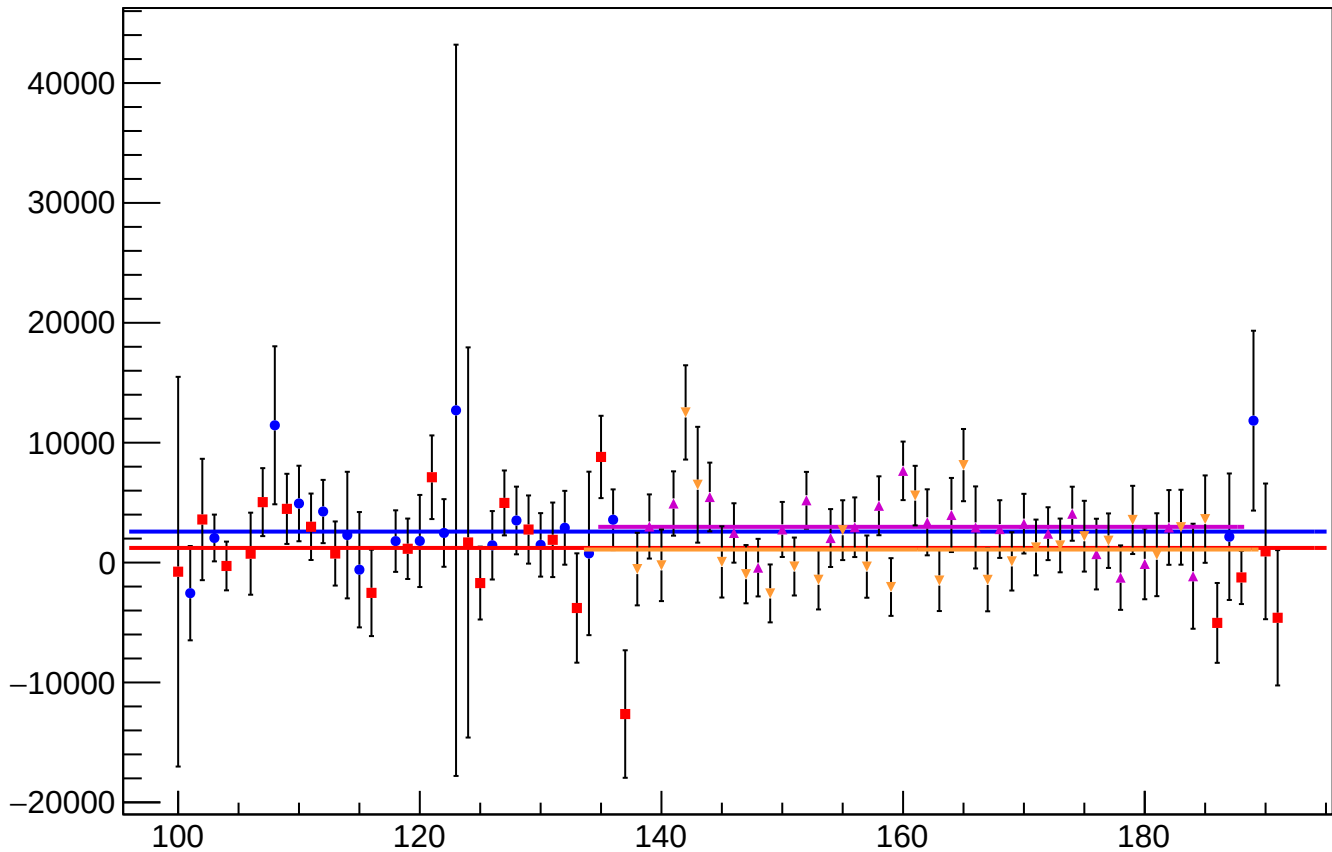
Right: 2186.883+/-0.396 χ^2/NDF : 1836762.5/41

In: 1956.220+/-0.280 χ^2/NDF : 995896.6/41

Out: 1974.395+/-0.271 χ^2/NDF : 1293999.4/47

All: 1965.600+/-0.195 χ^2/NDF : 2292066.2/89

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2584.602 $\pm$ 756.398 χ^2 /NDF: 7.4/18

Left Out: 1087.902 $\pm$ 540.984 χ^2 /NDF:29.9/24

Right Out: 1221.390 $\pm$ 674.520 χ^2 /NDF: 30.1/22

Left In: 2981.160 $\pm$ 546.107 χ^2 /NDF:14.0/22

Left: 2025.608 $\pm$ 384.332 χ^2 /NDF: 50.0/47

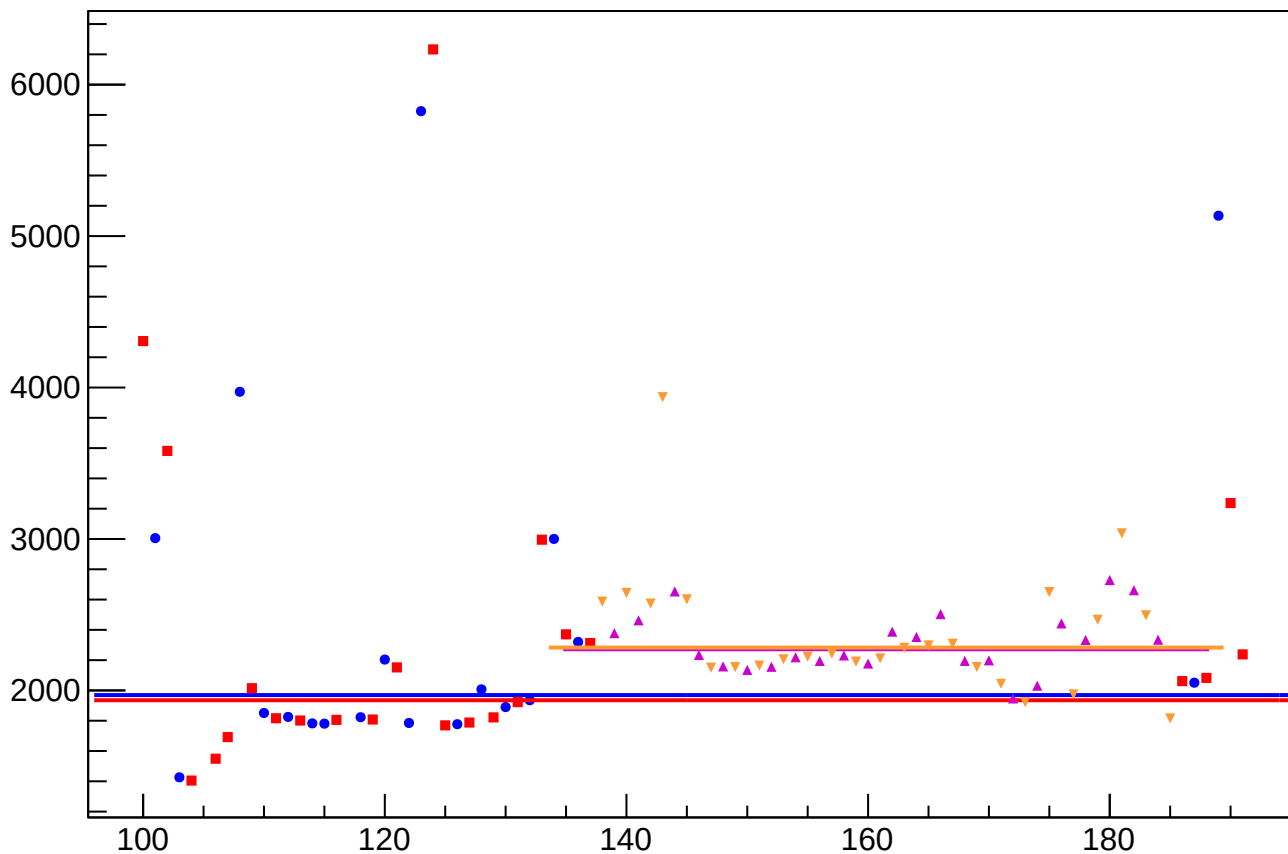
Right: 1825.246 $\pm$ 503.426 χ^2 /NDF: 39.4/41

In: 2845.279 $\pm$ 442.768 χ^2 /NDF:21.7/41

Out: 1140.156 $\pm$ 422.019 χ^2 /NDF:60.0/47

All: 1951.831 $\pm$ 305.485 χ^2 /NDF: 89.5/89

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1969.350+/-0.535 χ^2/NDF : 999723.1/18

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

Right Out: 1935.221+/-0.477 χ^2/NDF : 884572.2/22

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

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

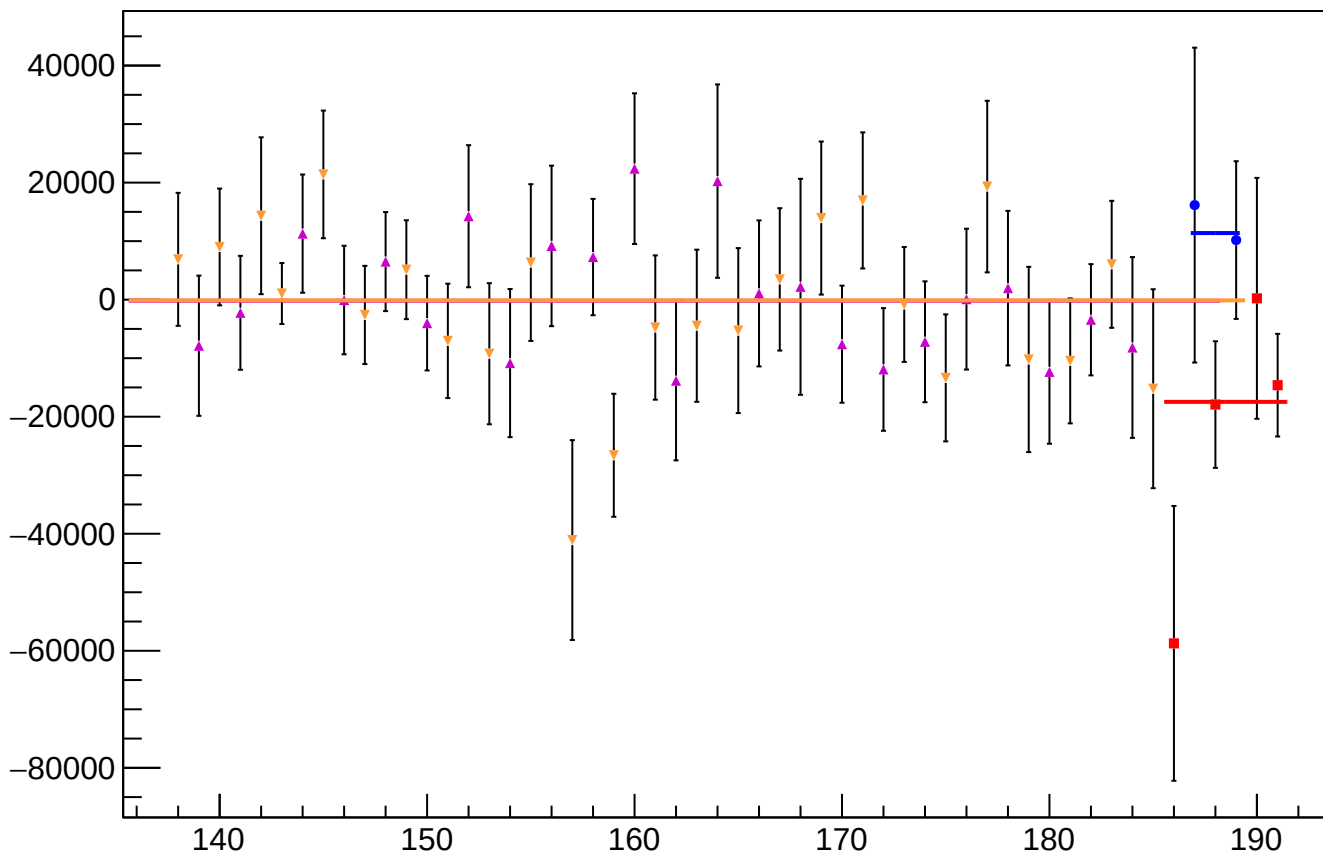
Right: 1950.337+/-0.356 χ^2/NDF : 1886563.7/41

In: 2168.261+/-0.313 χ^2/NDF : 1453672.6/41

Out: 2146.961+/-0.298 χ^2/NDF : 1842995.3/47

All: 2157.100+/-0.216 χ^2/NDF : 3299093.2/89

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: 11380.627 $\pm$ 12047.133 χ^2 /NDF: 0.0/1

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

Right Out: -17464.488 $\pm$ 6235.053 χ^2 /NDF: 3.9/3

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

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

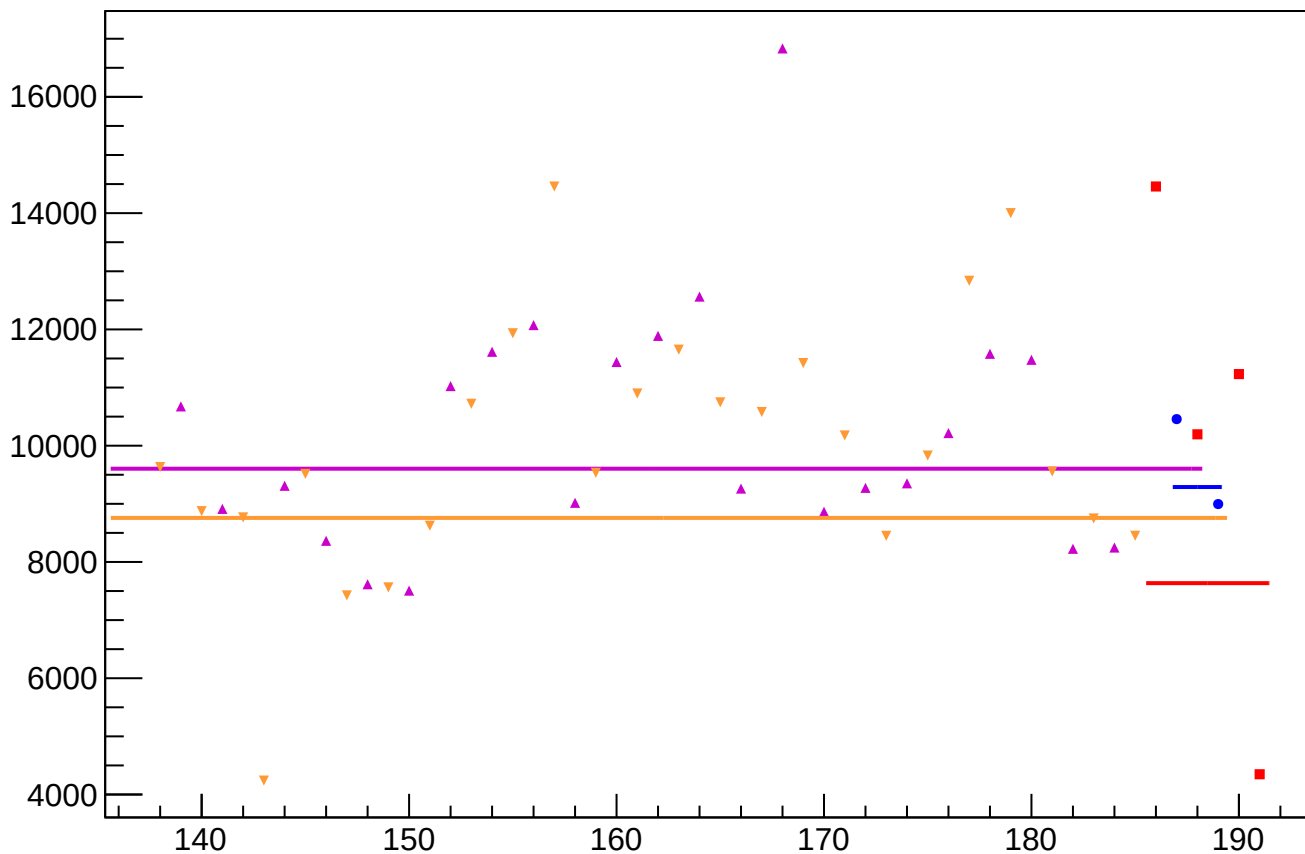
Right: -11370.343 $\pm$ 5537.375 χ^2 /NDF: 8.5/5

In: 232.153 $\pm$ 2287.984 χ^2 /NDF:16.0/24

Out: -1954.796 $\pm$ 2025.770 χ^2 /NDF:40.6/28

All: -993.767 $\pm$ 1516.708 χ^2 /NDF: 57.0/53

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 9288.963+/-8.519 χ^2/NDF : 4718.2/1

Left Out: 8757.819+/-1.515 χ^2/NDF : 2779104.9/24

Right Out: 7635.681+/-4.409 χ^2/NDF : 622956.3/3

Left In: 9604.027+/-1.648 χ^2/NDF : 1095805.7/22

Left: 9145.335+/-1.115 χ^2/NDF : 4017855.5/47

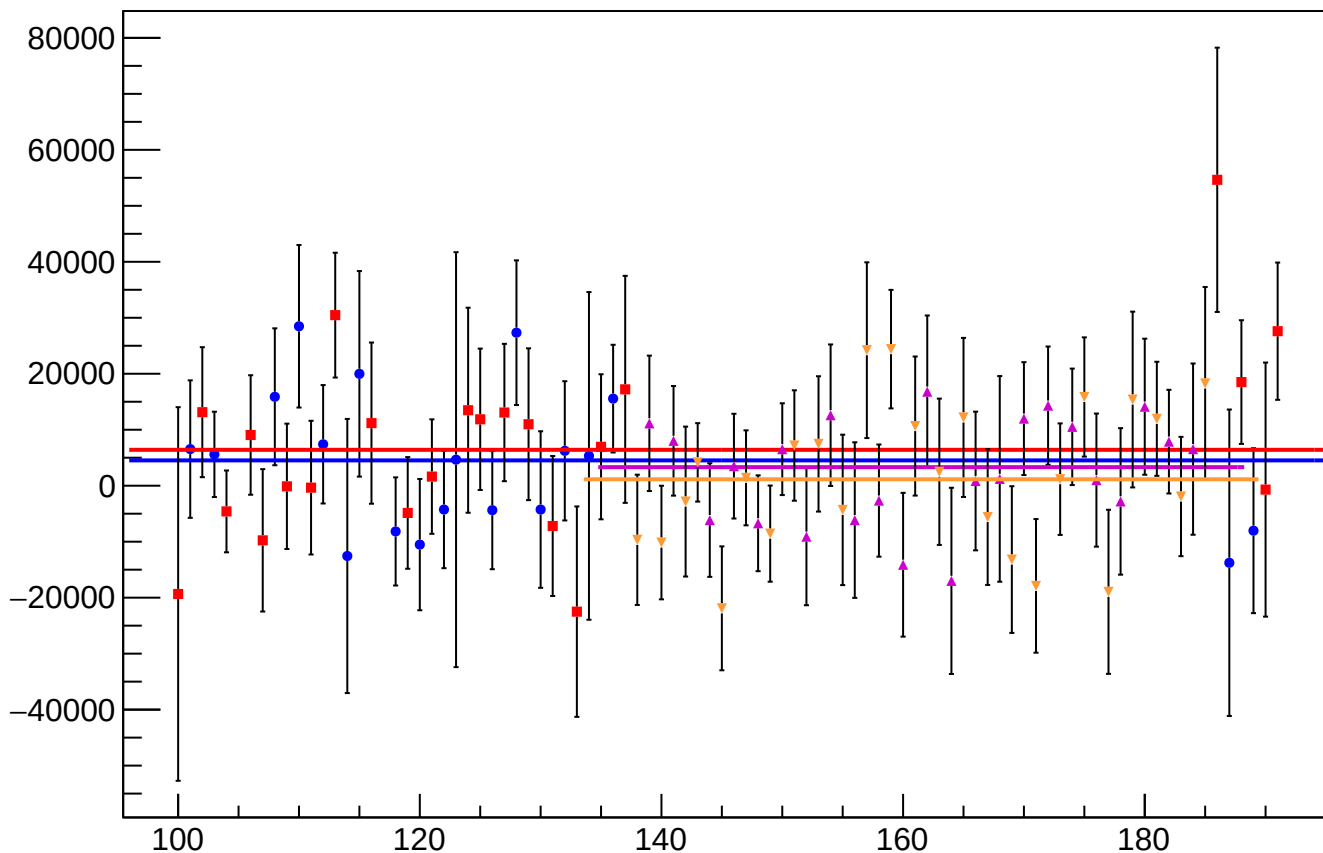
Right: 7984.972+/-3.916 χ^2/NDF : 657383.2/5

In: 9592.663+/-1.618 χ^2/NDF : 1101842.5/24

Out: 8639.366+/-1.432 χ^2/NDF : 3460003.1/28

All: 9058.281+/-1.072 χ^2/NDF : 4756473.2/53

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4524.421+/-2873.003 χ^2/NDF : 15.7/18

Left Out: 1145.185+/-2232.341 χ^2/NDF : 27.9/24

Right Out: 6412.583+/-2608.098 χ^2/NDF : 24.8/22

Left In: 3316.960+/-2336.196 χ^2/NDF : 13.4/22

Left: 2181.728+/-1613.970 χ^2/NDF : 41.7/47

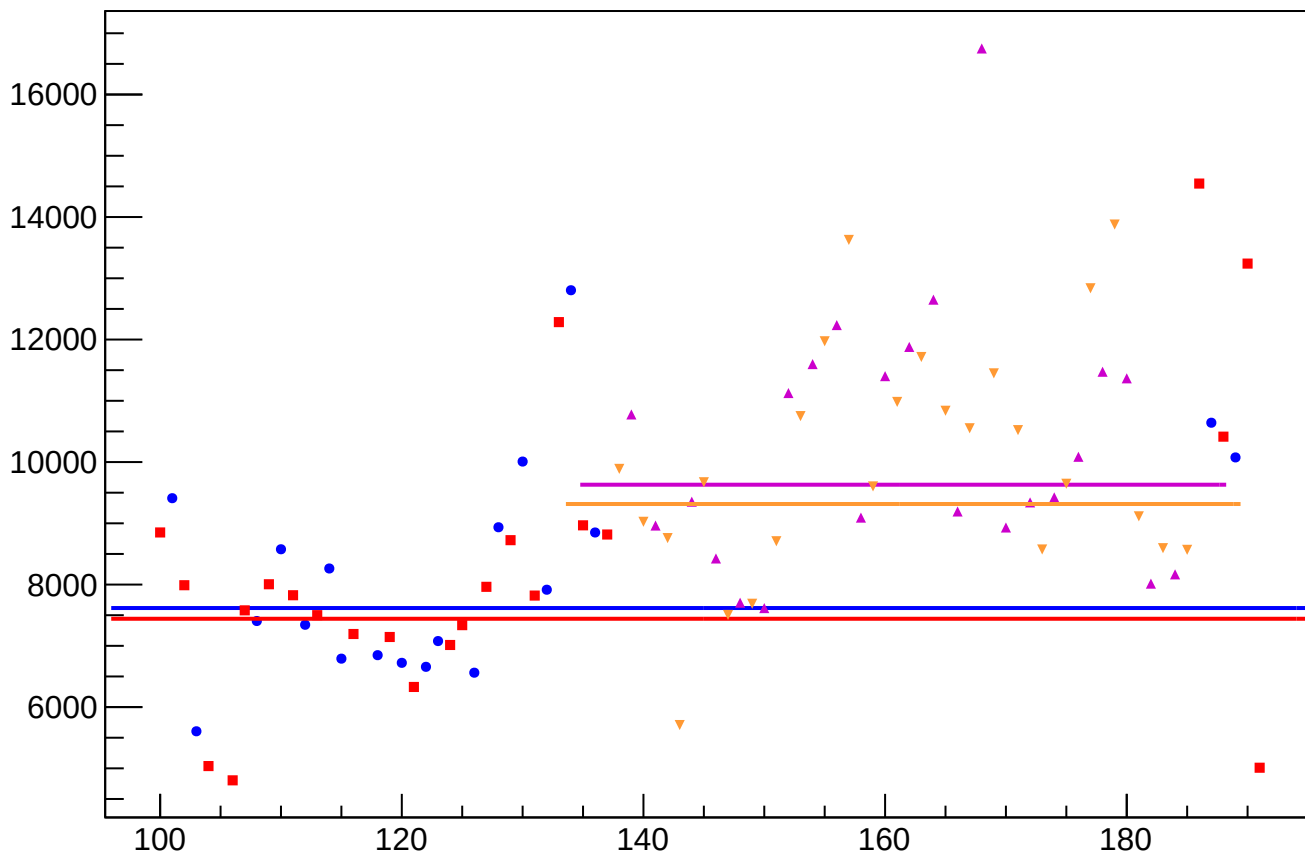
Right: 5559.546+/-1931.081 χ^2/NDF : 40.8/41

In: 3797.569+/-1812.574 χ^2/NDF : 29.2/41

Out: 3372.433+/-1695.938 χ^2/NDF : 55.0/47

All: 3570.884+/-1238.391 χ^2/NDF : 84.3/89

asym_at2_avg_rms vs Slug, Sign Corrected



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

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

Right Out: 7441.984 $\pm$ 1.844 χ^2/NDF : 1110085.7/22

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

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

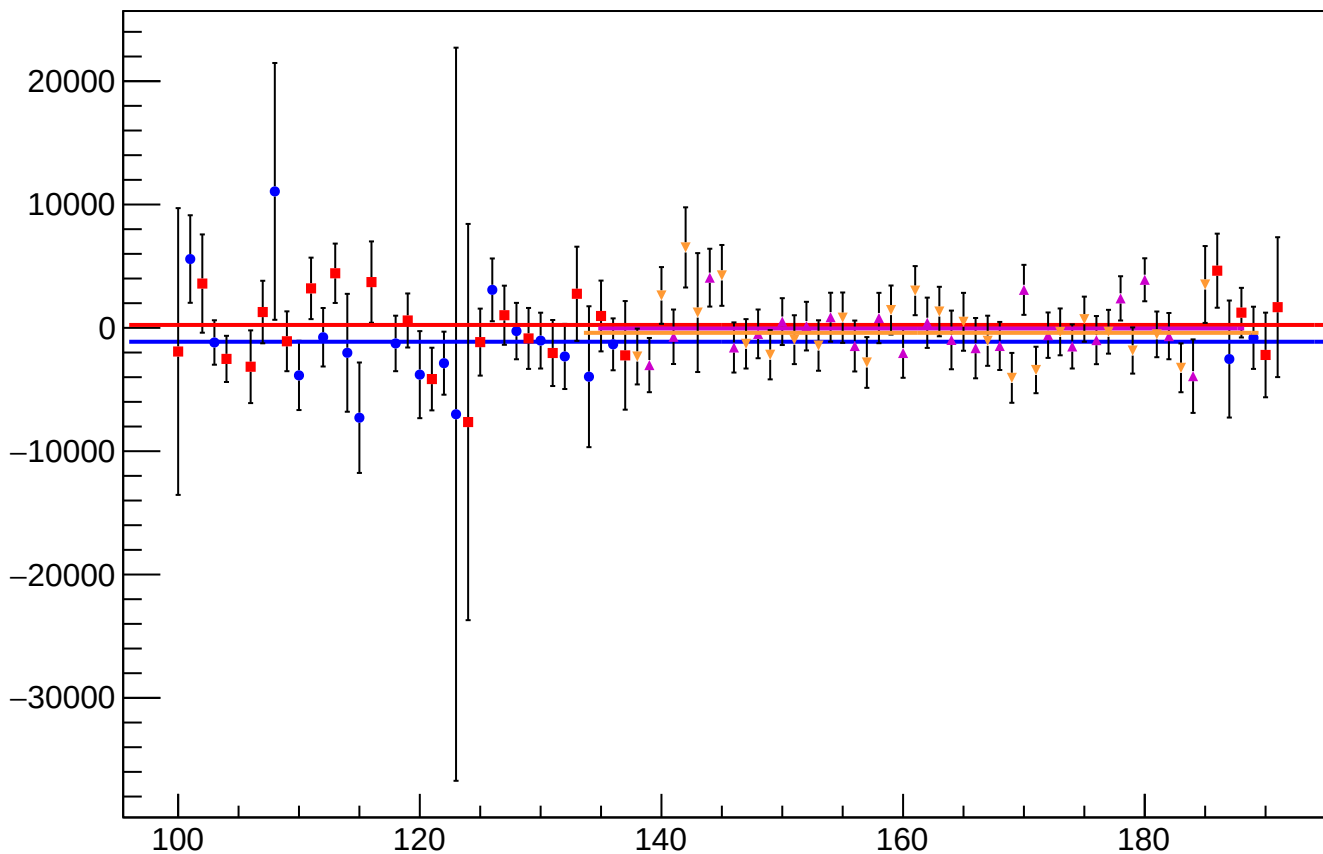
Right: 7521.114 $\pm$ 1.365 χ^2/NDF : 1630197.8/41

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

Out: 8523.145 $\pm$ 1.199 χ^2/NDF : 3209267.6/47

All: 8665.912 $\pm$ 0.876 χ^2/NDF : 5421486.0/89

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -1126.054 $\pm$ 649.616 χ^2 /NDF: 12.4/18

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

Right Out: 236.618 $\pm$ 585.398 χ^2 /NDF: 18.6/22

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

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

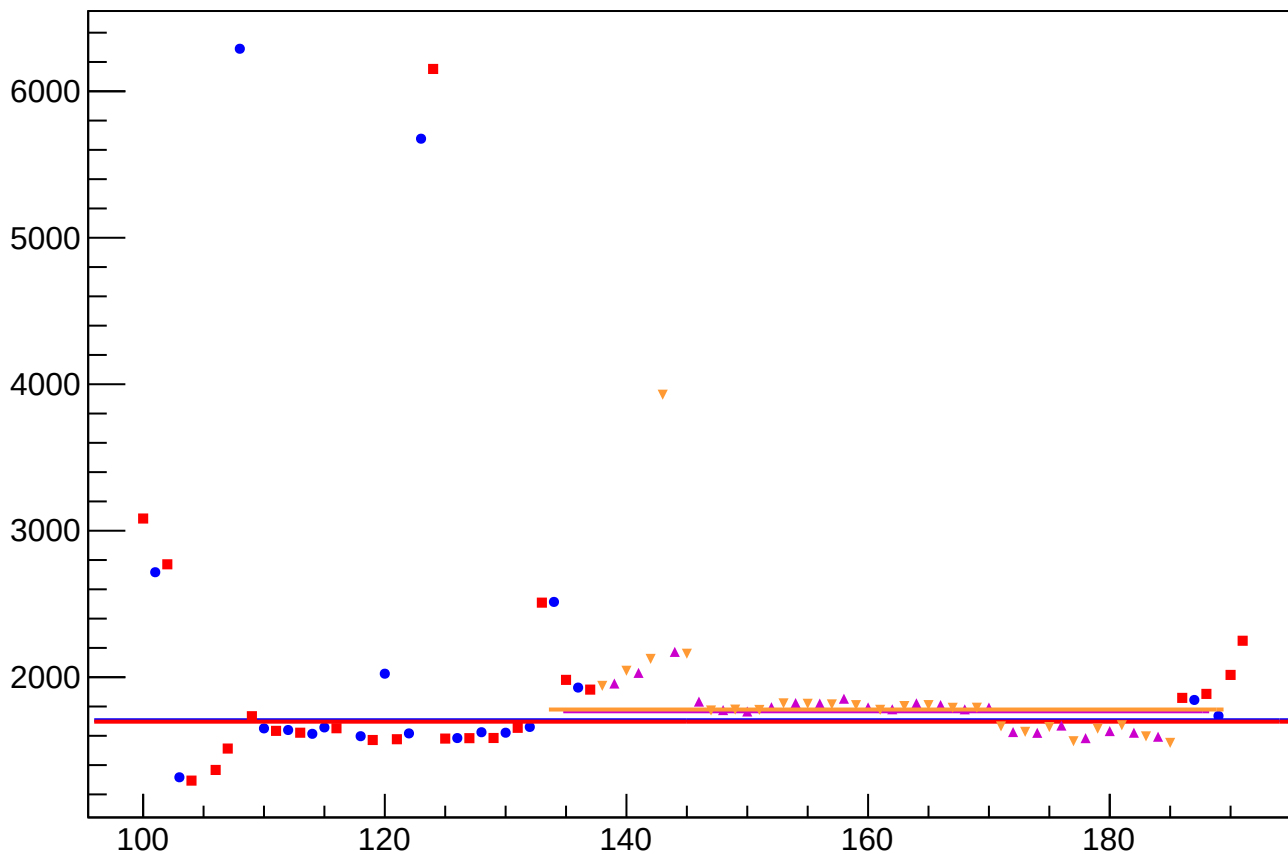
Right: -374.053 $\pm$ 434.875 χ^2 /NDF: 33.4/41

In: -372.428 $\pm$ 354.221 χ^2 /NDF:35.1/41

Out: -186.416 $\pm$ 340.849 χ^2 /NDF:48.3/47

All: -275.845 $\pm$ 245.608 χ^2 /NDF: 83.6/89

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1706.254+/-0.459 χ^2/NDF : 780802.4/18

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

Right Out: 1696.420+/-0.414 χ^2/NDF : 658538.0/22

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

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

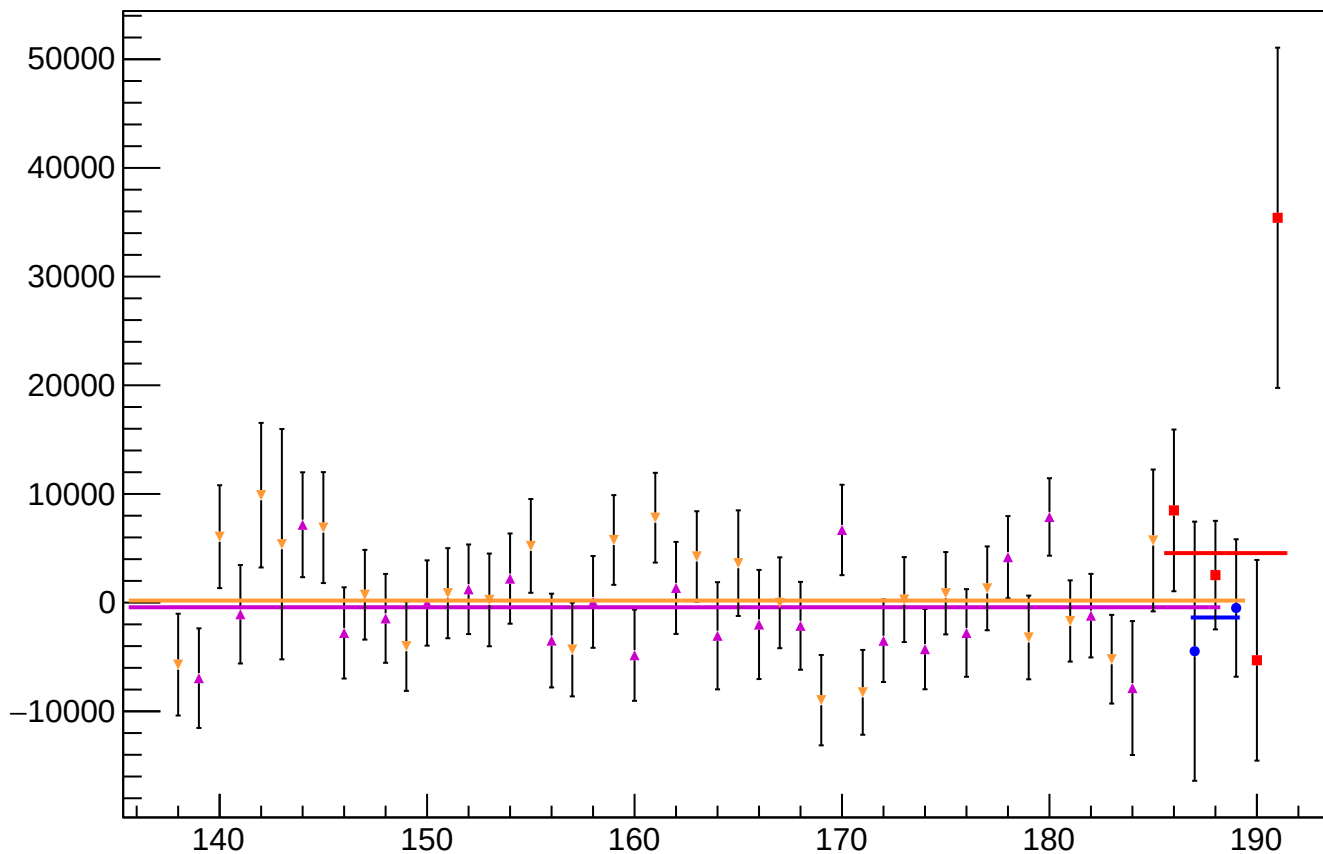
Right: 1700.827+/-0.308 χ^2/NDF : 1439593.4/41

In: 1749.159+/-0.250 χ^2/NDF : 989802.0/41

Out: 1751.291+/-0.241 χ^2/NDF : 1296047.2/47

All: 1750.266+/-0.174 χ^2/NDF : 2285886.8/89

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: -1366.419+/-5587.880 χ^2/NDF : 0.1/1

Left Out: 191.104+/-869.912 χ^2/NDF :30.6/24

Right Out: 4558.405+/-3676.808 χ^2/NDF : 5.5/3

Left In: -426.004+/-874.870 χ^2/NDF :21.3/22

Left: -115.696+/-616.866 χ^2/NDF : 52.1/47

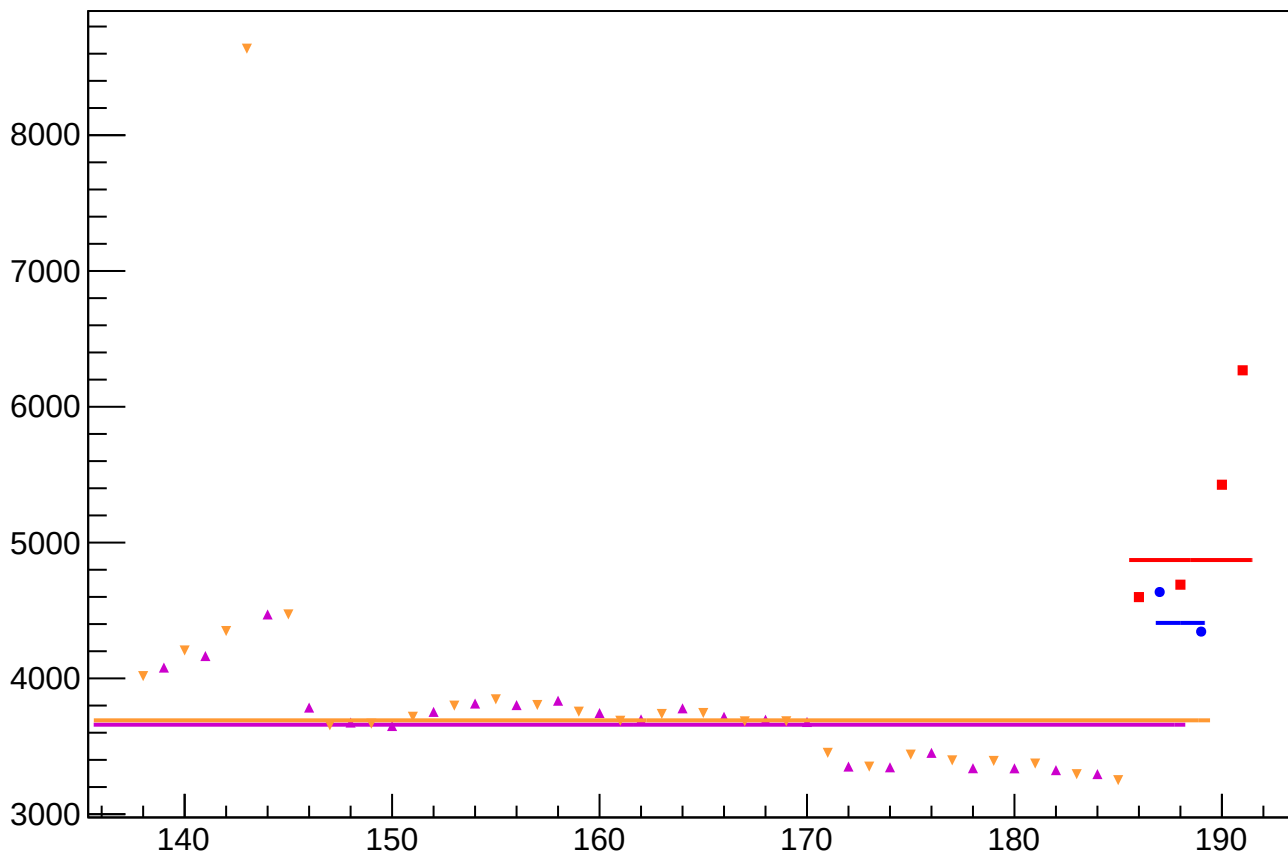
Right: 2768.256+/-3071.524 χ^2/NDF : 6.3/5

In: -448.505+/-864.341 χ^2/NDF :21.4/24

Out: 422.613+/-846.541 χ^2/NDF :37.4/28

All: -3.884+/-604.790 χ^2/NDF : 59.3/53

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 4408.615+/-3.951 χ^2/NDF : 932.8/1

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

Right Out: 4871.521+/-2.600 χ^2/NDF : 28483.9/3

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

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

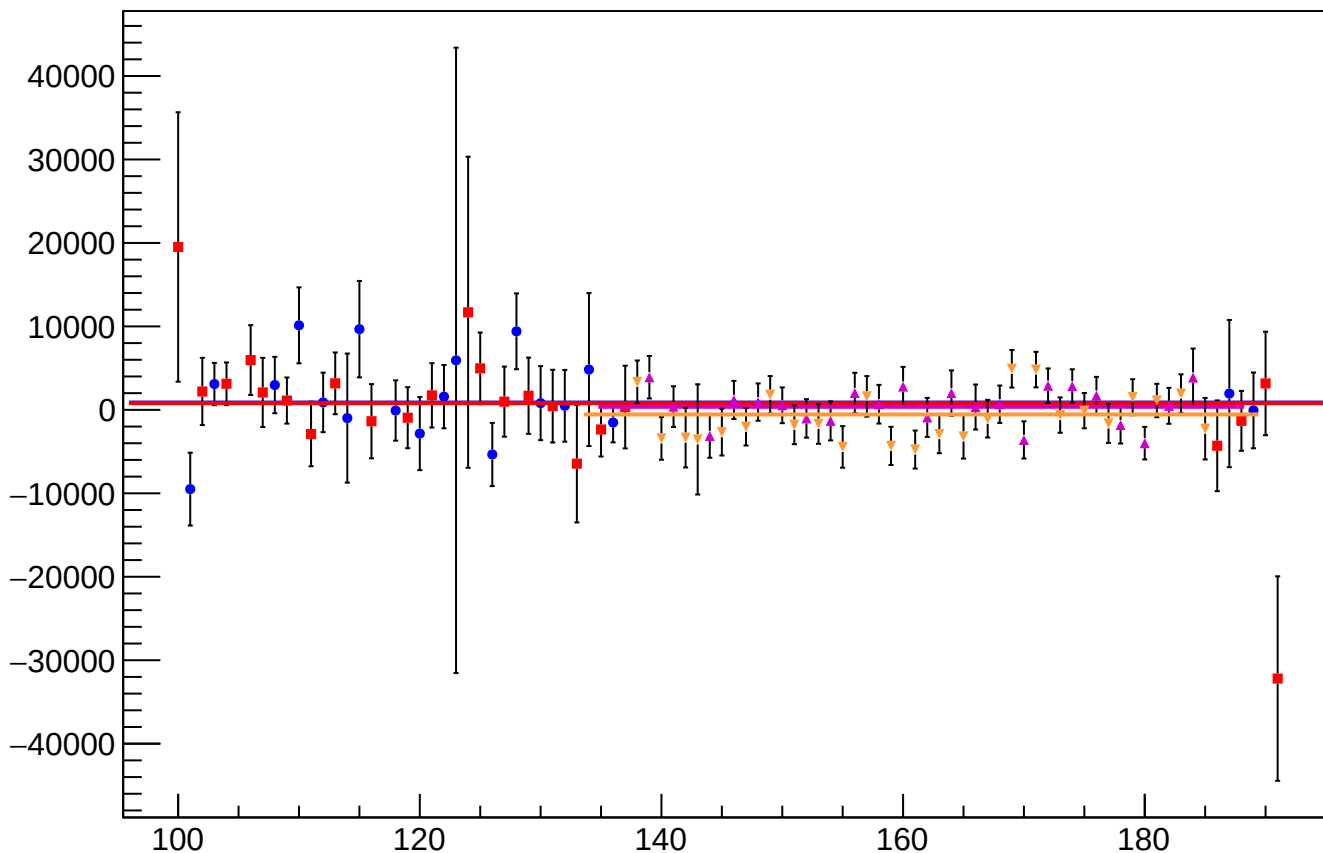
Right: 4731.660+/-2.172 χ^2/NDF : 38995.1/5

In: 3677.020+/-0.611 χ^2/NDF : 234133.1/24

Out: 3753.746+/-0.599 χ^2/NDF : 863149.8/28

All: 3716.181+/-0.428 χ^2/NDF : 1105326.7/53

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 873.843 ± 935.697 $\chi^2/\text{NDF}: 21.7/18$

Left Out: -551.411 ± 481.630 $\chi^2/\text{NDF}: 34.0/24$

Right Out: 806.211 ± 872.774 $\chi^2/\text{NDF}: 17.8/22$

Left In: 366.243 ± 483.092 $\chi^2/\text{NDF}: 20.5/22$

Left: -93.975 ± 341.080 $\chi^2/\text{NDF}: 56.4/47$

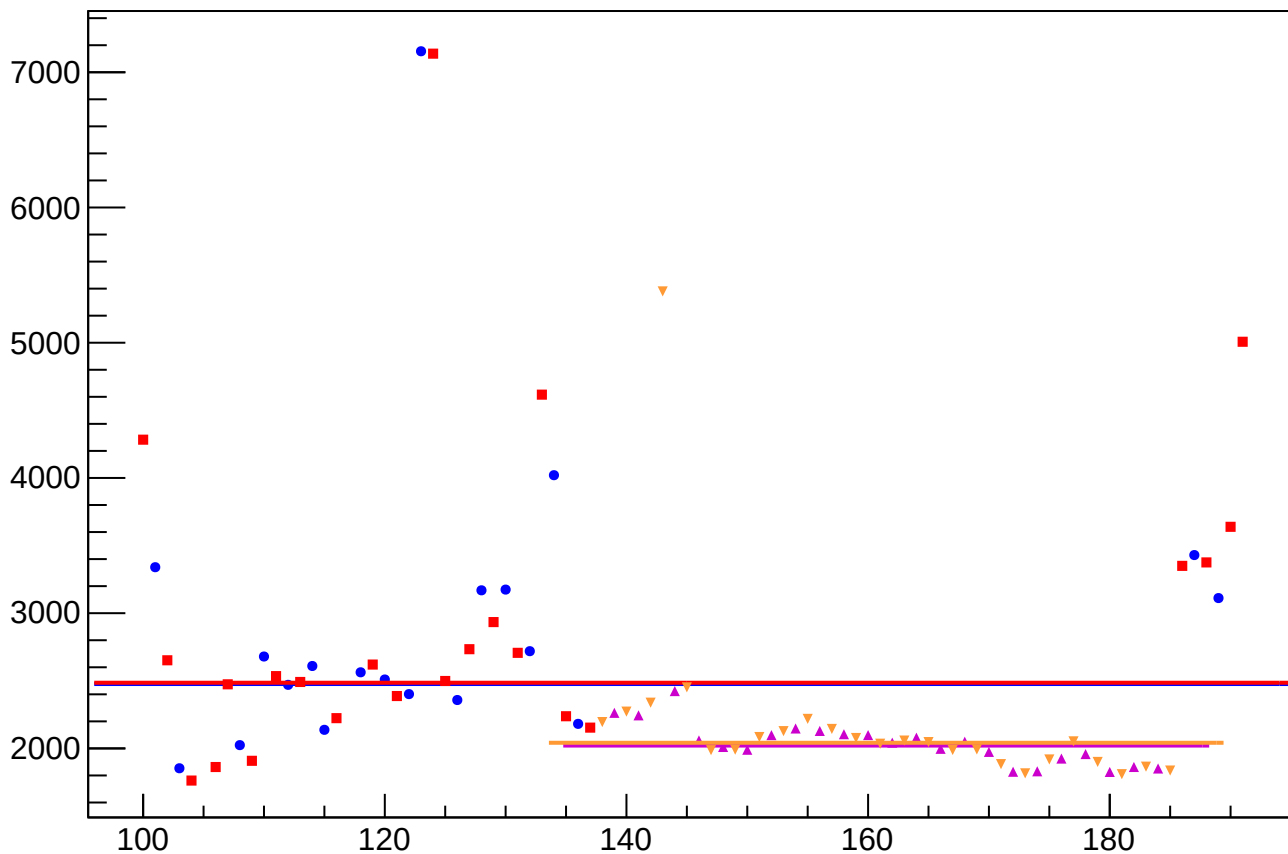
Right: 837.676 ± 638.231 $\chi^2/\text{NDF}: 39.4/41$

In: 473.071 ± 429.257 $\chi^2/\text{NDF}: 42.4/41$

Out: -234.492 ± 421.684 $\chi^2/\text{NDF}: 53.6/47$

All: 112.993 ± 300.817 $\chi^2/\text{NDF}: 97.5/89$

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2476.159+/-0.662 χ^2/NDF : 534609.7/18

Left Out: 2041.781+/-0.341 χ^2/NDF : 706854.2/24

Right Out: 2485.710+/-0.617 χ^2/NDF : 1019181.9/22

Left In: 2021.065+/-0.342 χ^2/NDF : 178726.2/22

Left: 2031.455+/-0.241 χ^2/NDF : 887424.8/47

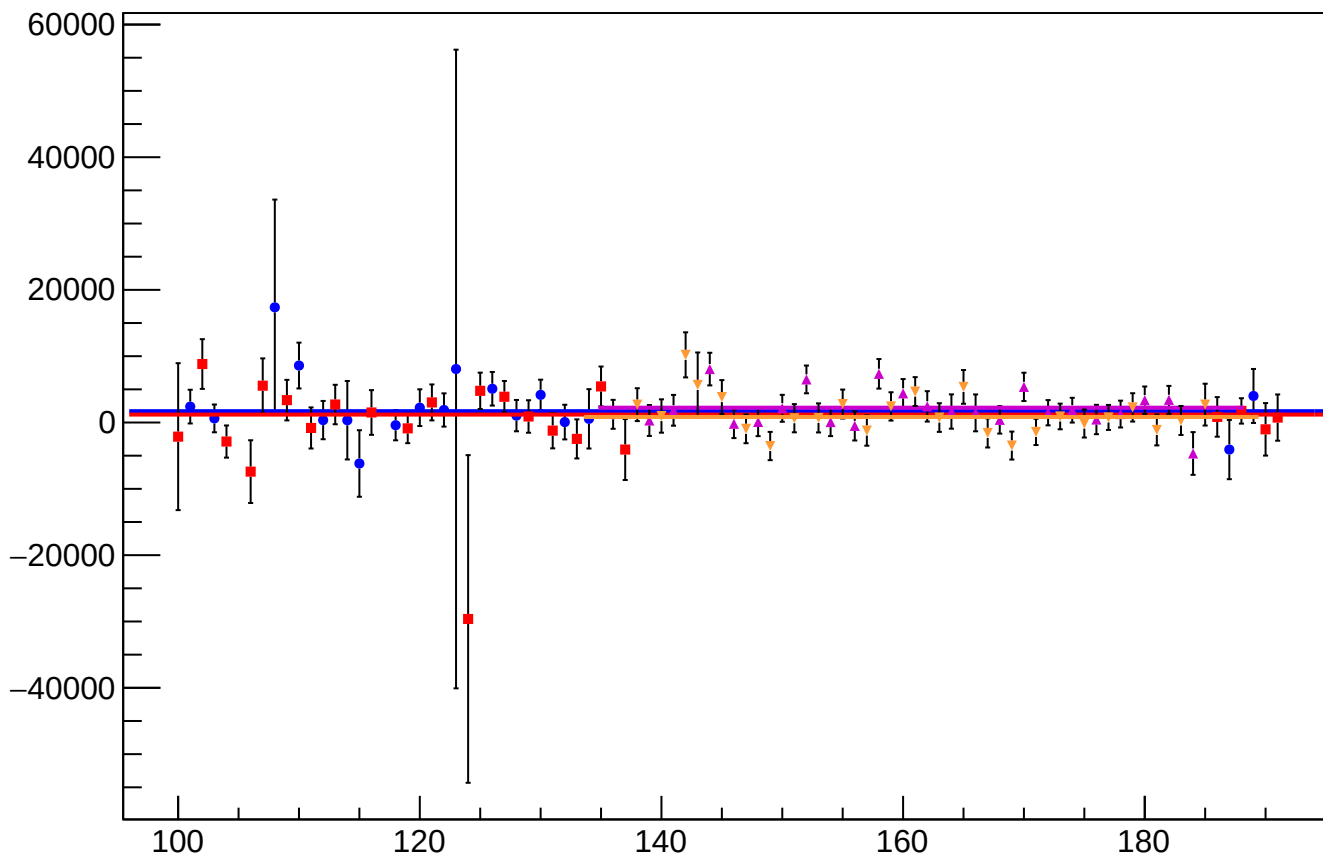
Right: 2481.267+/-0.451 χ^2/NDF : 1553903.1/41

In: 2116.844+/-0.304 χ^2/NDF : 1086877.6/41

Out: 2145.412+/-0.298 χ^2/NDF : 2122682.9/47

All: 2131.382+/-0.213 χ^2/NDF : 3214068.5/89

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1710.320+/-676.607 χ^2/NDF : 14.4/18

Left Out: 837.426+/-454.502 χ^2/NDF : 32.3/24

Right Out: 1195.495+/-629.264 χ^2/NDF : 24.7/22

Left In: 2235.652+/-457.720 χ^2/NDF : 31.0/22

Left: 1531.607+/-322.513 χ^2/NDF : 68.0/47

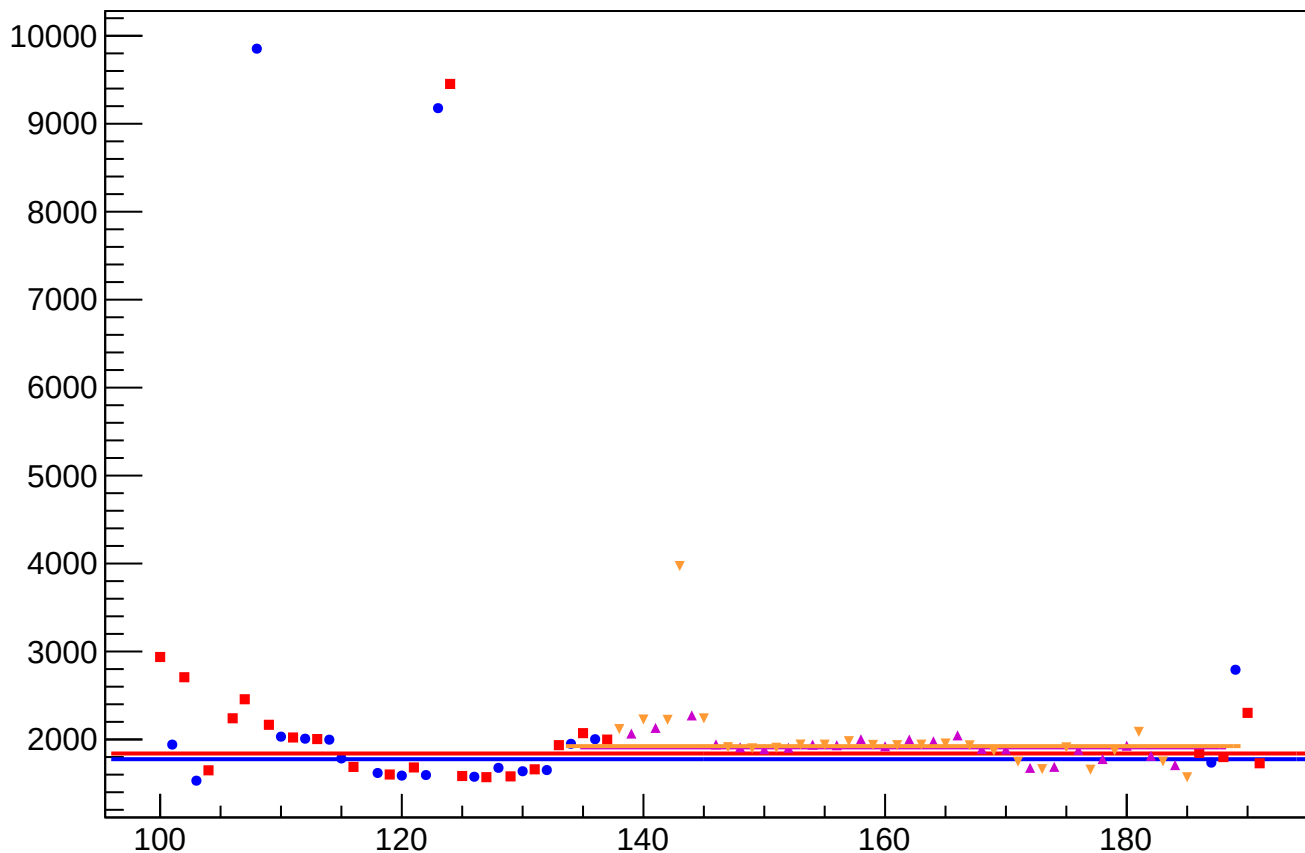
Right: 1434.267+/-460.786 χ^2/NDF : 39.4/41

In: 2070.719+/-379.118 χ^2/NDF : 45.8/41

Out: 960.183+/-368.446 χ^2/NDF : 57.2/47

All: 1499.601+/-264.223 χ^2/NDF : 107.4/89

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1775.506+/-0.478 χ^2/NDF : 810974.1/18

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

Right Out: 1840.428+/-0.445 χ^2/NDF : 580672.4/22

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

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

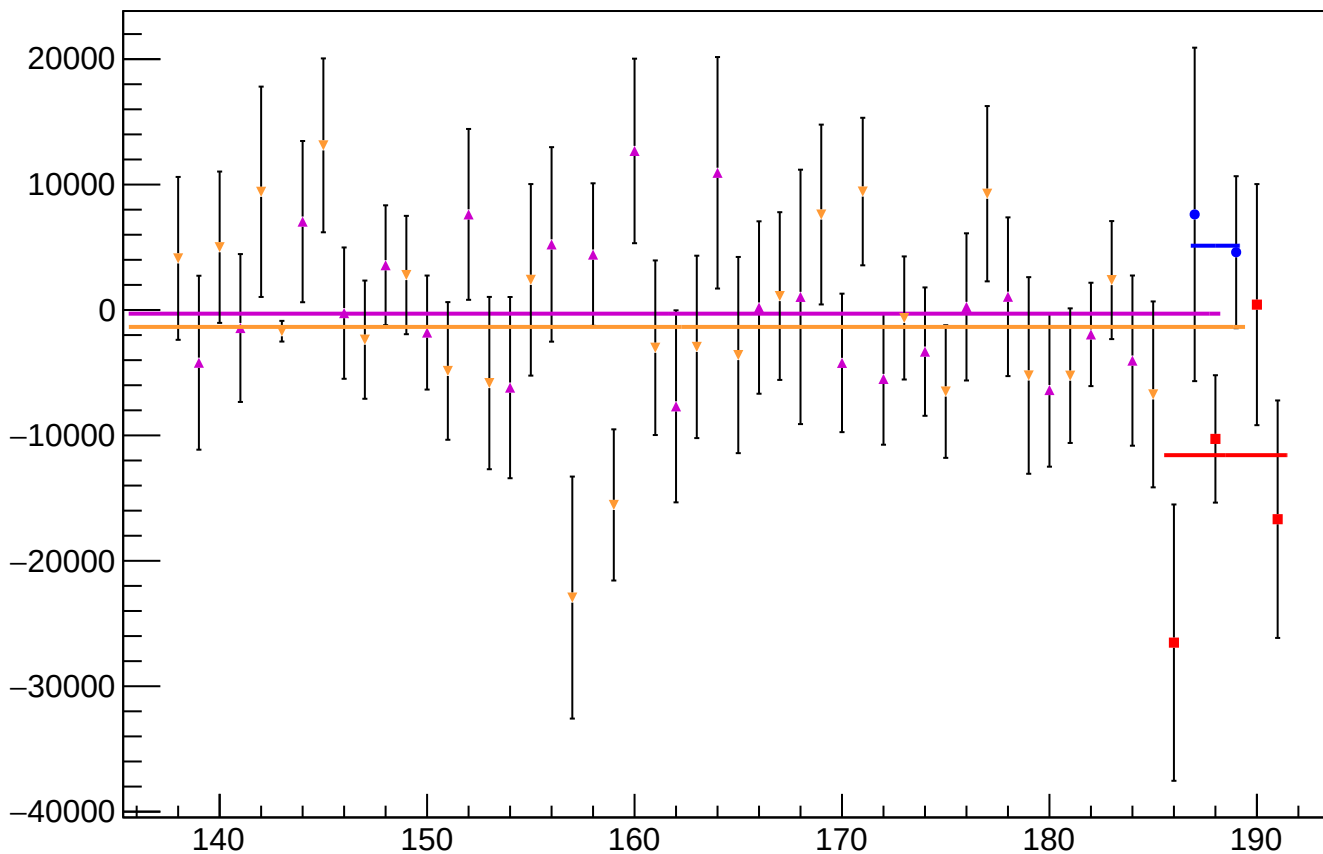
Right: 1810.348+/-0.326 χ^2/NDF : 1401528.9/41

In: 1867.538+/-0.268 χ^2/NDF : 1029387.3/41

Out: 1895.364+/-0.260 χ^2/NDF : 1187865.8/47

All: 1881.853+/-0.187 χ^2/NDF : 2222795.5/89

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 5125.505 $\pm$ 5514.551 χ^2 /NDF: 0.0/1

Left Out: -1349.584 $\pm$ 690.658 χ^2 /NDF:30.9/24

Right Out: -11575.289 $\pm$ 3807.280 χ^2 /NDF: 3.8/3

Left In: -294.047 $\pm$ 1252.274 χ^2 /NDF:14.5/22

Left: -1103.398 $\pm$ 604.776 χ^2 /NDF: 46.0/47

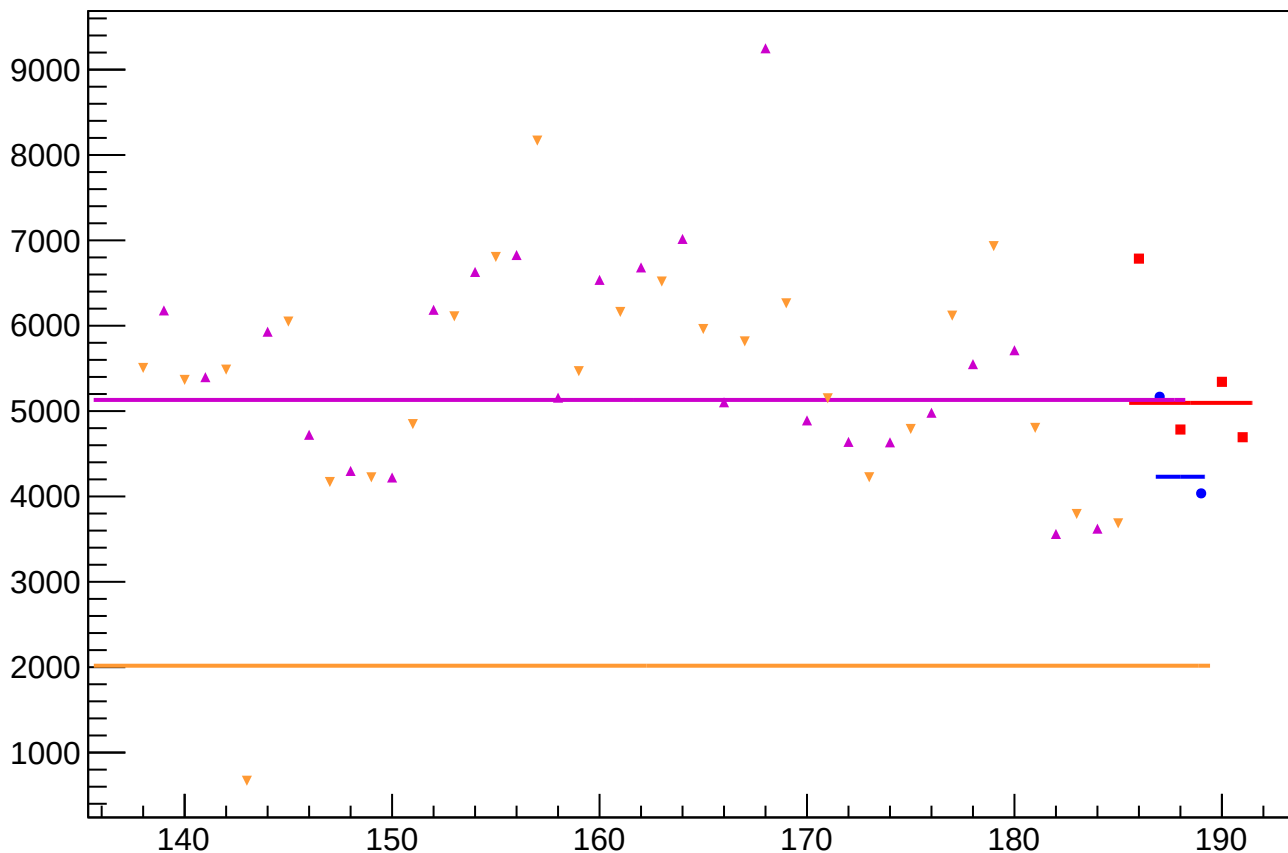
Right: -6184.334 $\pm$ 3133.102 χ^2 /NDF: 10.0/5

In: -28.278 $\pm$ 1221.183 χ^2 /NDF:15.5/24

Out: -1675.367 $\pm$ 679.567 χ^2 /NDF:41.6/28

All: -1285.912 $\pm$ 593.815 χ^2 /NDF: 58.5/53

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 4230.941+/-3.899 χ^2/NDF : 12007.6/1

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

Right Out: 5096.255+/-2.692 χ^2/NDF : 59532.8/3

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

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

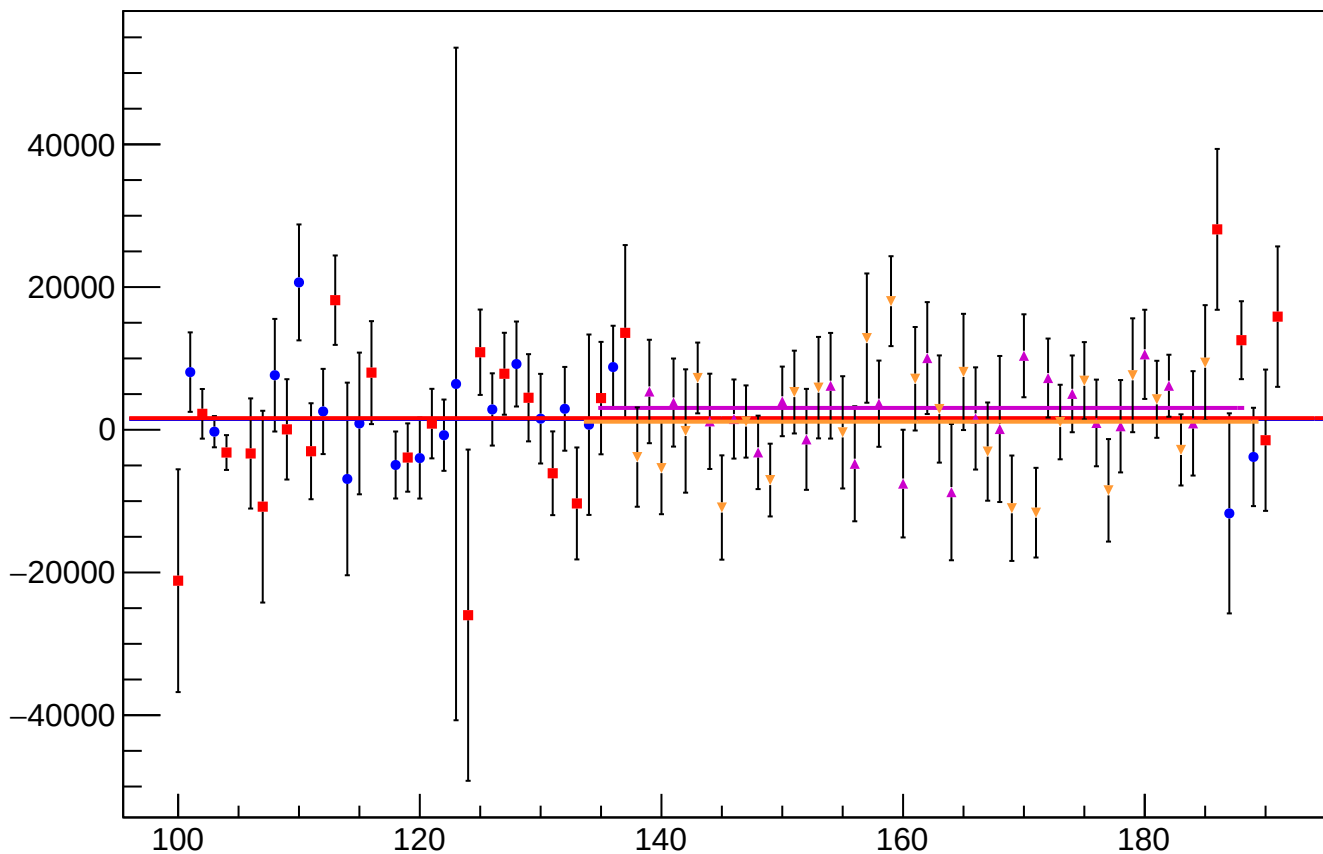
Right: 4816.935+/-2.215 χ^2/NDF : 104888.9/5

In: 5086.630+/-0.864 χ^2/NDF : 1552459.0/24

Out: 2115.340+/-0.481 χ^2/NDF : 20485647.4/28

All: 2817.904+/-0.420 χ^2/NDF : 31078682.6/5

asym_atl_avg_mean vs Slug, Sign Corrected



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

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

Right Out: 1629.484 $\pm$ 1224.874 χ^2 /NDF: 39.0/22

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

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

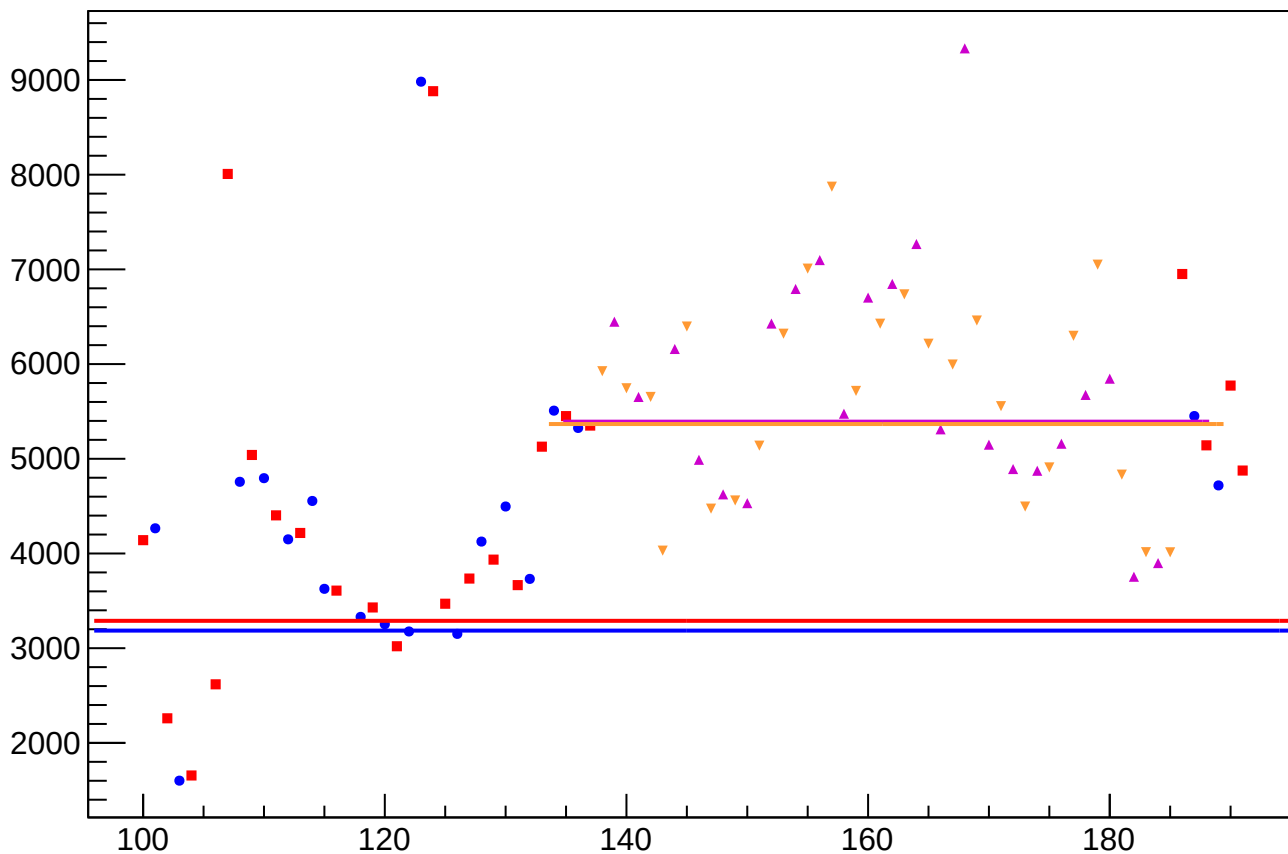
Right: 1572.382 $\pm$ 882.781 χ^2 /NDF: 55.5/41

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

Out: 1391.966 $\pm$ 885.033 χ^2 /NDF:71.5/47

All: 1812.992 $\pm$ 635.869 χ^2 /NDF: 101.6/89

asym_atl_avg_rms vs Slug, Sign Corrected



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

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

Right Out: 3288.941 $\pm$ 0.855 χ^2/NDF : 2685371.5/22

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

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

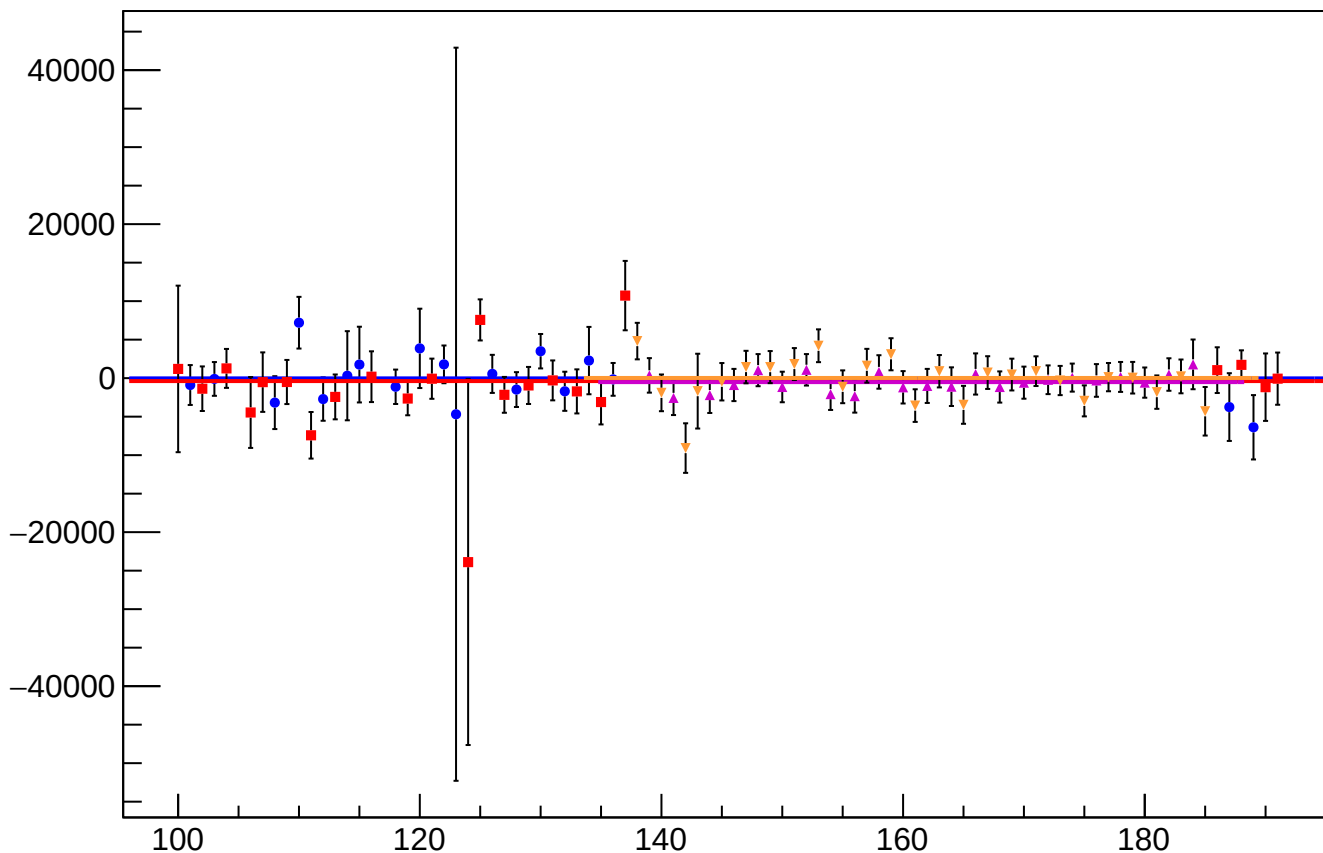
Right: 3240.033 $\pm$ 0.620 χ^2/NDF : 4728988.6/41

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

Out: 4268.338 $\pm$ 0.621 χ^2/NDF : 6684743.8/47

All: 4261.906 $\pm$ 0.448 χ^2/NDF : 12951451.0/98

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -30.063 ± 669.790 χ^2/NDF : 14.7/18

Left Out: 23.375 ± 440.724 χ^2/NDF : 31.7/24

Right Out: -380.522 ± 612.031 χ^2/NDF : 27.6/22

Left In: -514.693 ± 444.402 χ^2/NDF : 5.9/22

Left: -243.423 ± 312.931 χ^2/NDF : 38.4/47

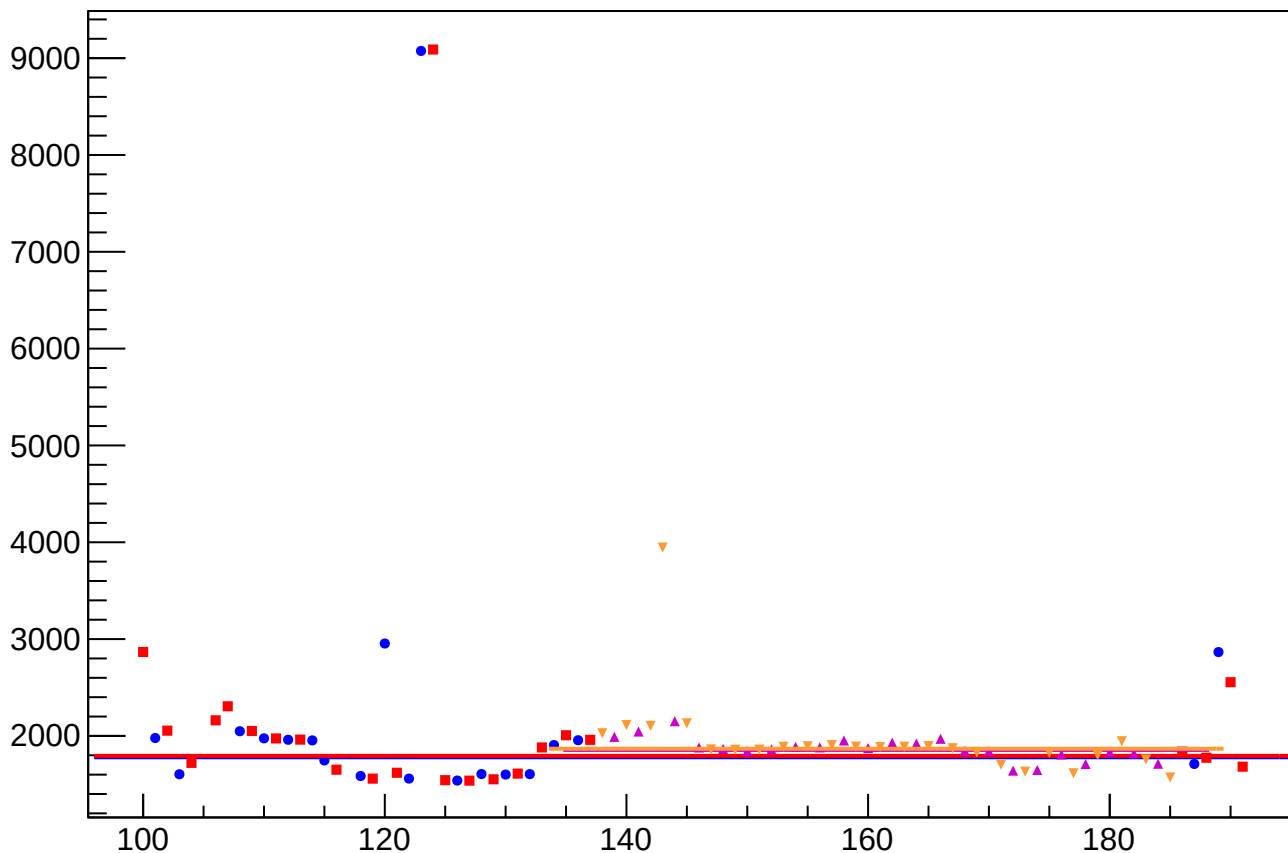
Right: -221.053 ± 451.814 χ^2/NDF : 42.4/41

In: -366.559 ± 370.306 χ^2/NDF : 21.0/41

Out: -114.546 ± 357.645 χ^2/NDF : 59.5/47

All: -236.170 ± 257.253 χ^2/NDF : 80.8/89

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1779.516 $\pm$ 0.474 χ^2 /NDF: 439844.7/18

Left Out: 1867.539 $\pm$ 0.312 χ^2 /NDF: 545343.0/24

Right Out: 1793.967 $\pm$ 0.432 χ^2 /NDF: 492320.5/22

Left In: 1855.480 $\pm$ 0.314 χ^2 /NDF: 136219.4/22

Left: 1861.559 $\pm$ 0.221 χ^2 /NDF: 682305.0/47

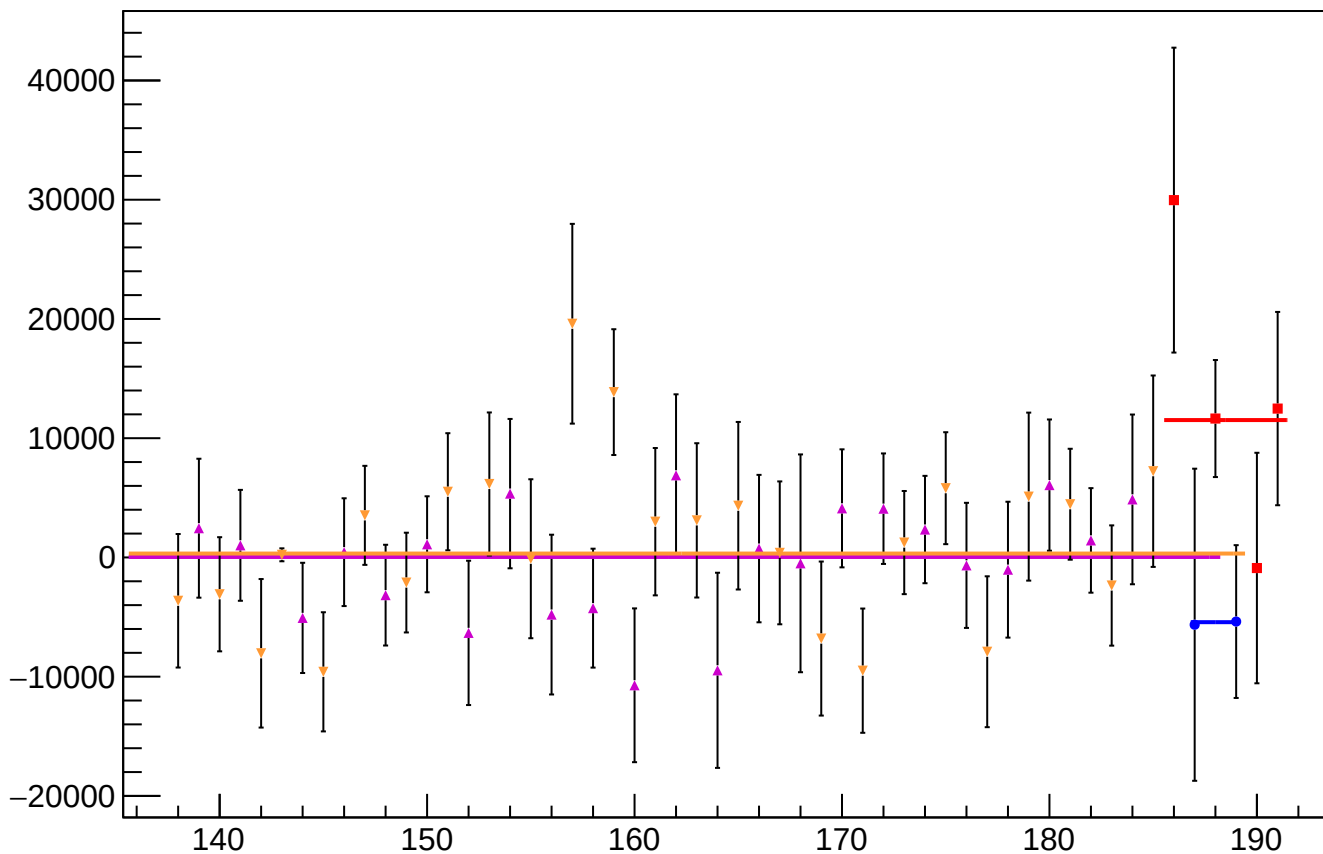
Right: 1787.401 $\pm$ 0.319 χ^2 /NDF: 932673.2/41

In: 1832.260 $\pm$ 0.262 χ^2 /NDF: 593926.1/41

Out: 1842.374 $\pm$ 0.253 χ^2 /NDF: 1056727.1/47

All: 1837.495 $\pm$ 0.182 χ^2 /NDF: 1651425.5/89

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: -5429.562+/-5754.853 χ^2/NDF : 0.0/1

Left Out: 325.135+/-488.239 χ^2/NDF : 32.5/24

Right Out: 11520.460+/-3687.128 χ^2/NDF : 3.7/3

Left In: 40.142+/-1109.747 χ^2/NDF : 13.9/22

Left: 278.917+/-446.900 χ^2/NDF : 46.4/47

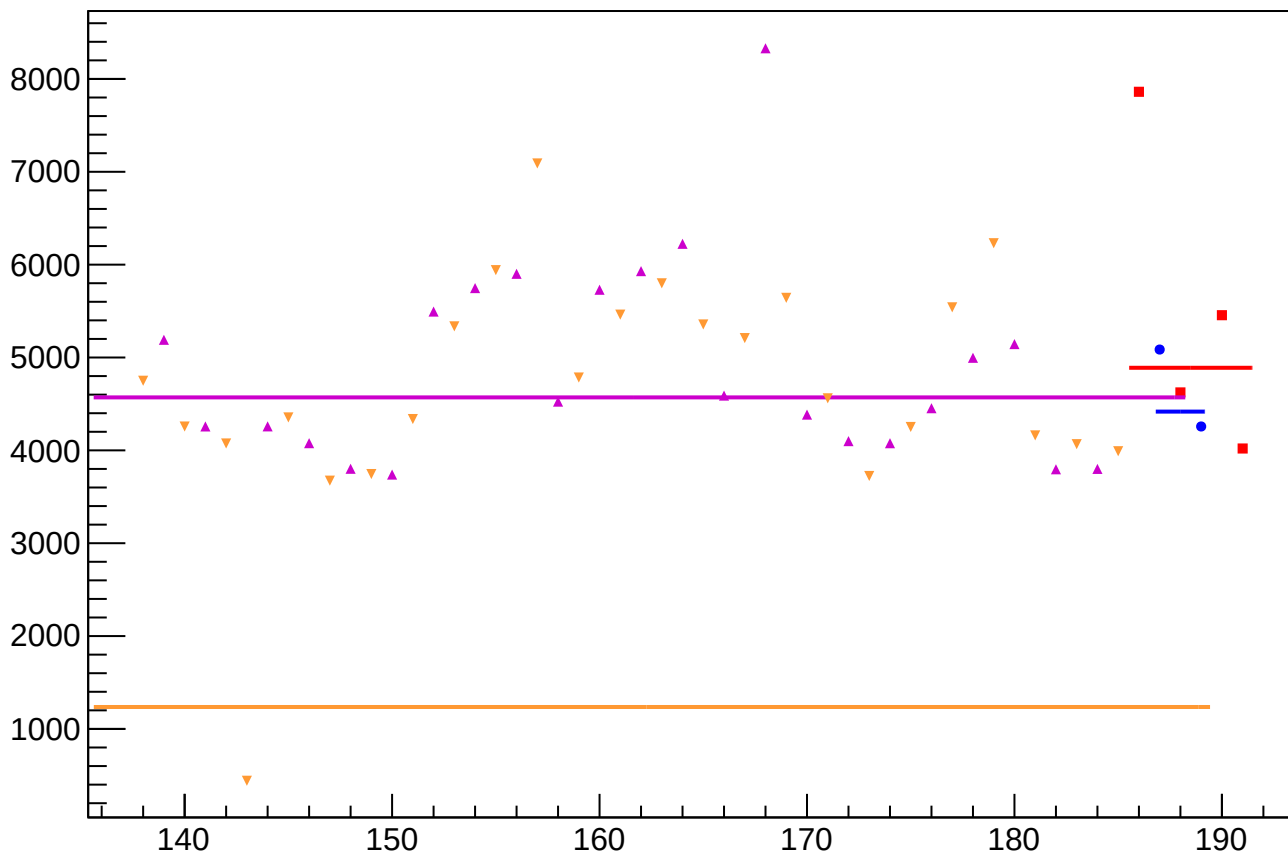
Right: 6587.511+/-3104.577 χ^2/NDF : 9.9/5

In: -155.962+/-1089.672 χ^2/NDF : 14.7/24

Out: 518.054+/-484.014 χ^2/NDF : 45.3/28

All: 406.985+/-442.340 χ^2/NDF : 60.4/53

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 4417.390+/-4.069 χ^2/NDF : 6464.4/1

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

Right Out: 4889.310+/-2.607 χ^2/NDF : 143808.4/3

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

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

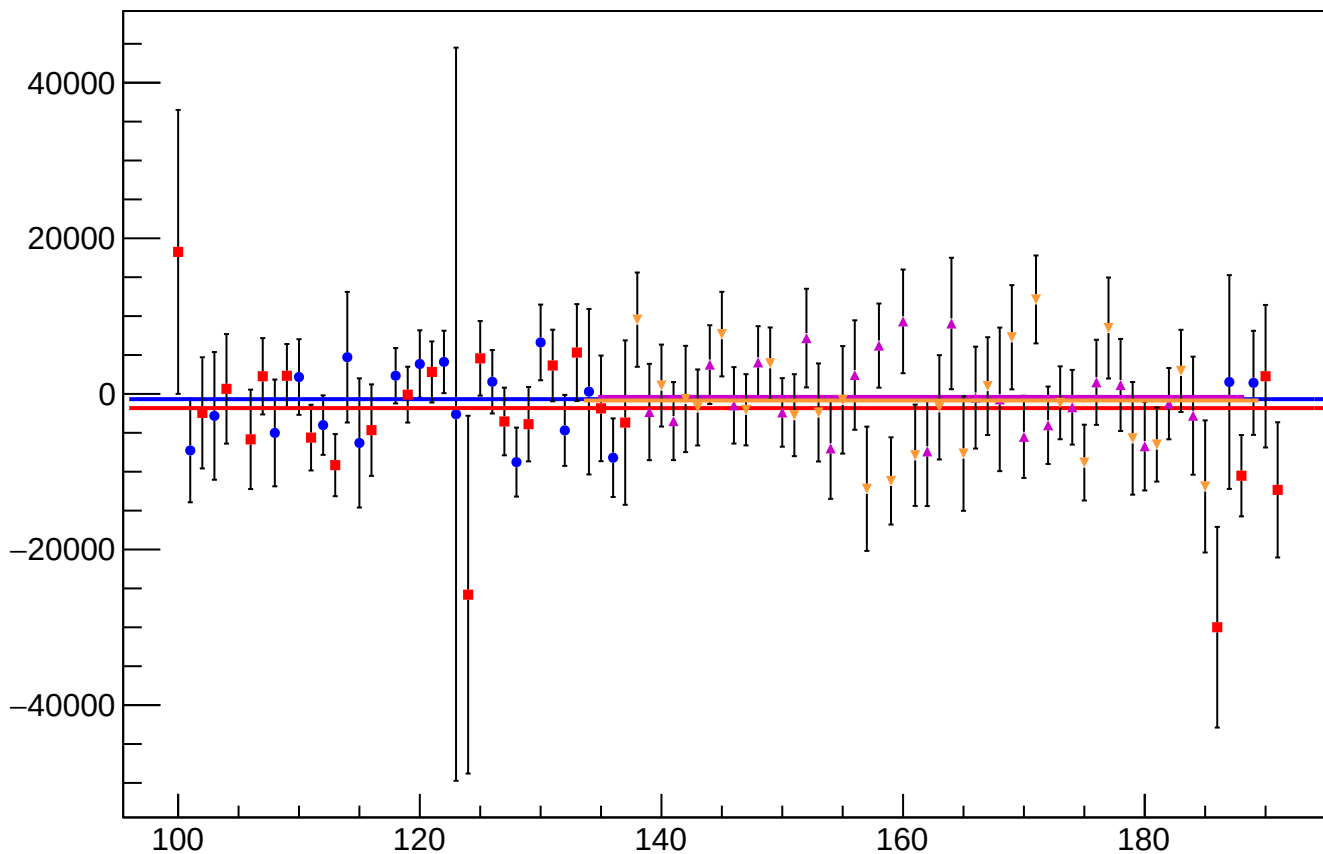
Right: 4751.967+/-2.195 χ^2/NDF : 159808.0/5

In: 4564.912+/-0.771 χ^2/NDF : 1153039.1/24

Out: 1299.121+/-0.342 χ^2/NDF : 25469161.3/28

All: 1837.280+/-0.313 χ^2/NDF : 41626404.9/5

asym_atl_dd_mean vs Slug, Sign Corrected



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

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

Right Out: -1824.104+/-1137.697 χ^2/NDF : 24.7/22

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

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

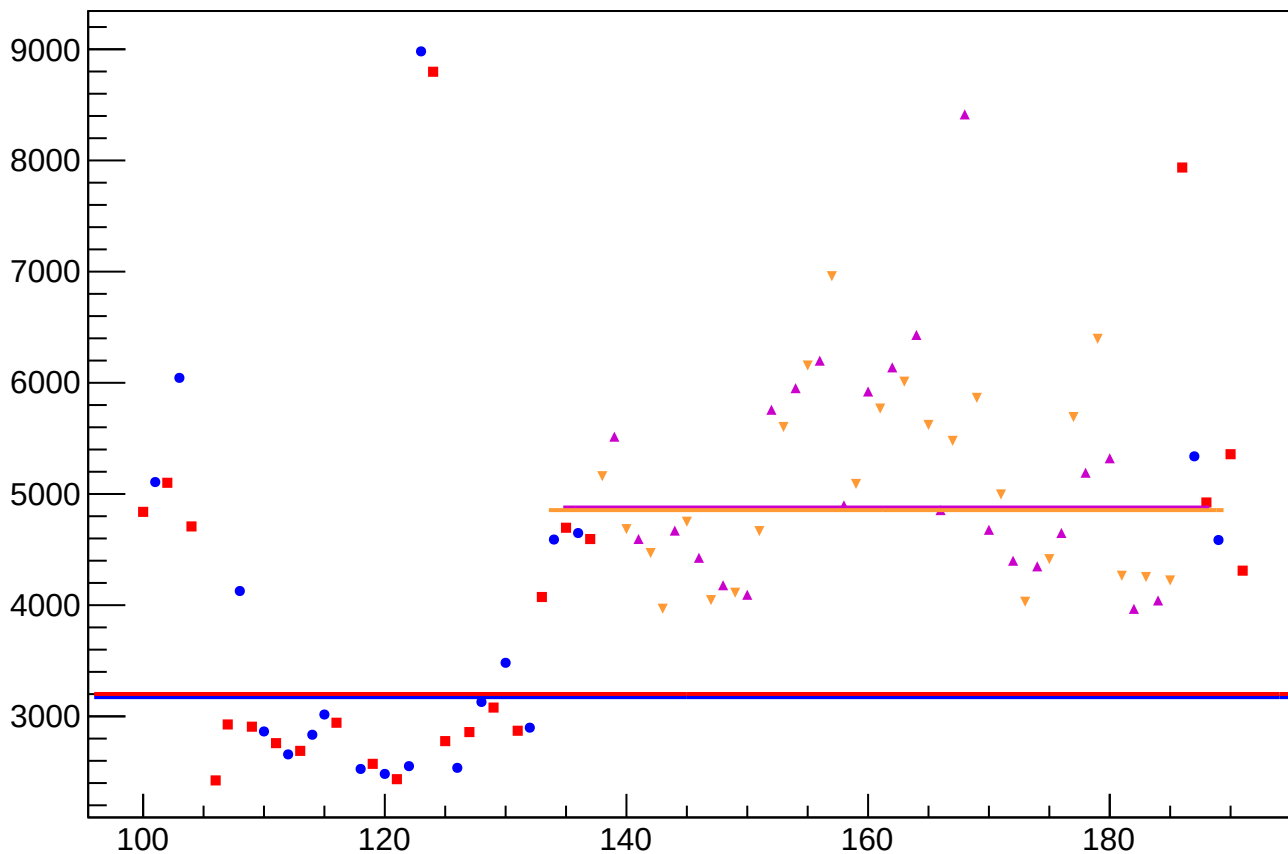
Right: -1289.919+/-832.583 χ^2/NDF : 40.8/41

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

Out: -1341.166+/-809.717 χ^2/NDF :55.1/47

All: -952.390+/-586.045 χ^2/NDF : 85.2/89

asym_atl_dd_rms vs Slug, Sign Corrected



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

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

Right Out: 3201.218+/-0.795 χ^2/NDF : 1472461.4/22

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

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

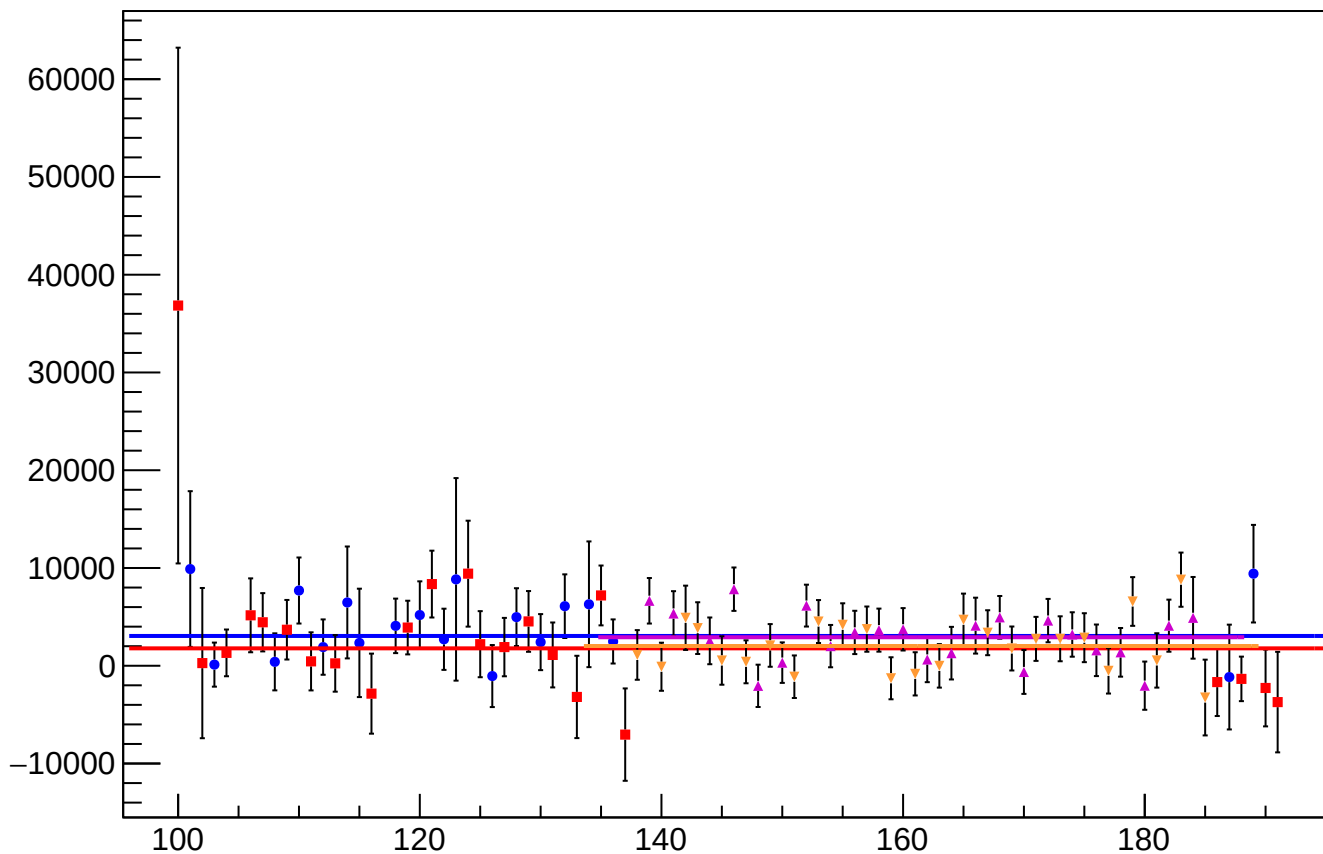
Right: 3188.223+/-0.585 χ^2/NDF : 2577634.4/41

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

Out: 4007.799+/-0.569 χ^2/NDF : 4476777.9/47

All: 4029.717+/-0.413 χ^2/NDF : 8563532.9/89

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3047.618 ± 777.187 χ^2/NDF : 12.1/18

Left Out: 2019.326 ± 481.340 χ^2/NDF : 27.1/24

Right Out: 1780.008 ± 705.582 χ^2/NDF : 25.8/22

Left In: 2916.079 ± 489.445 χ^2/NDF : 28.8/22

Left: 2460.216 ± 343.188 χ^2/NDF : 57.7/47

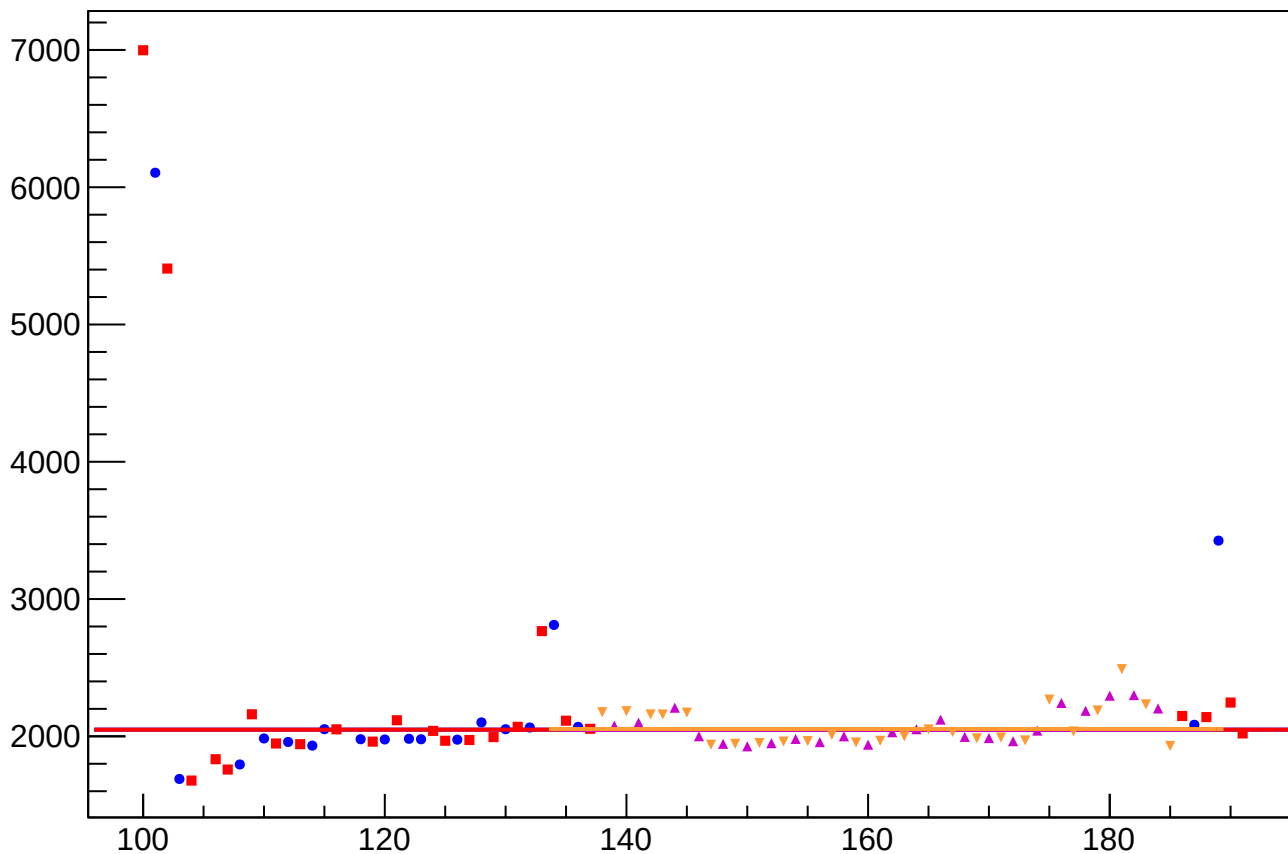
Right: 2352.741 ± 522.407 χ^2/NDF : 39.4/41

In: 2953.433 ± 414.159 χ^2/NDF : 41.0/41

Out: 1943.323 ± 397.627 χ^2/NDF : 53.0/47

All: 2427.816 ± 286.832 χ^2/NDF : 97.1/89

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 2048.683 $\pm$ 0.550 χ^2 /NDF: 773996.4/18

Left Out: 2053.296 $\pm$ 0.340 χ^2 /NDF:136888.1/24

Right Out: 2048.226 $\pm$ 0.499 χ^2 /NDF: 609203.2/22

Left In: 2047.277 $\pm$ 0.346 χ^2 /NDF:103001.2/22

Left: 2050.337 $\pm$ 0.243 χ^2 /NDF: 240043.0/47

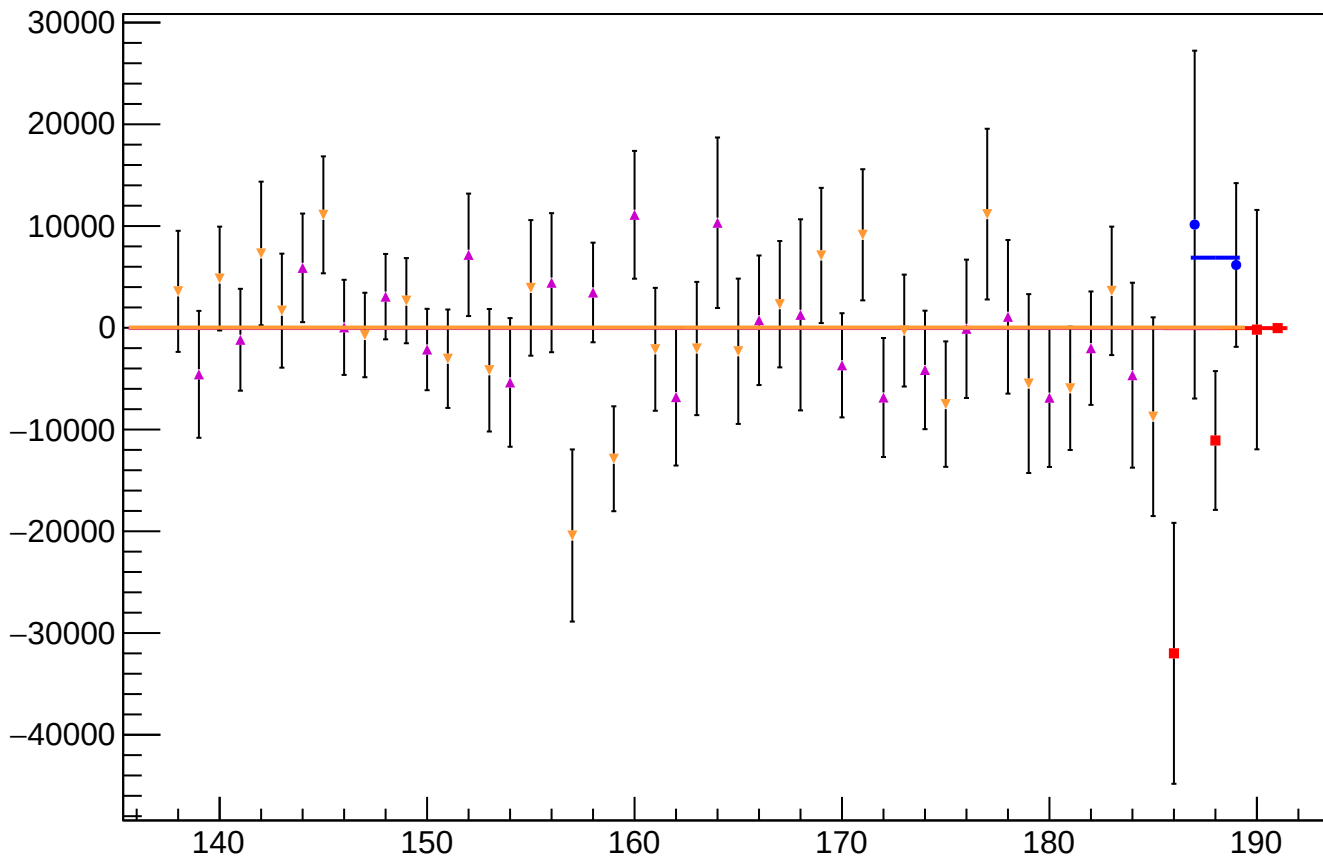
Right: 2048.432 $\pm$ 0.369 χ^2 /NDF: 1383199.9/41

In: 2047.677 $\pm$ 0.293 χ^2 /NDF:877002.2/41

Out: 2051.685 $\pm$ 0.281 χ^2 /NDF:746161.8/47

All: 2049.763 $\pm$ 0.203 χ^2 /NDF: 1623261.5/89

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: 6893.304+/-7279.199 χ^2/NDF : 0.0/1

Left Out: 25.977+/-1194.625 χ^2/NDF : 29.2/24

Right Out: -31.692+/-15.145 χ^2/NDF : 8.8/3

Left In: -23.765+/-1211.652 χ^2/NDF : 15.2/22

Left: 1.458+/-850.684 χ^2/NDF : 44.4/47

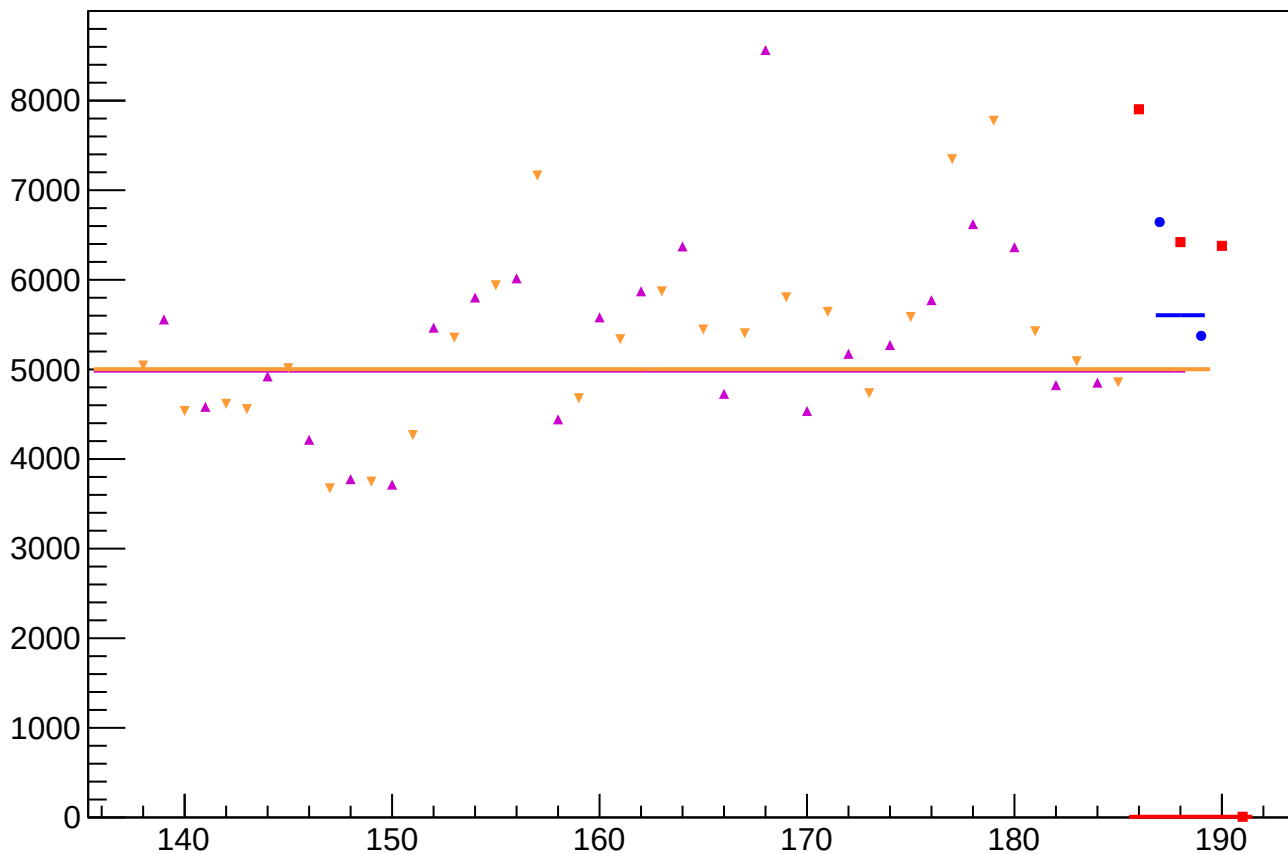
Right: -31.662+/-15.145 χ^2/NDF : 9.8/5

In: 162.718+/-1195.207 χ^2/NDF : 16.1/24

Out: -31.683+/-15.144 χ^2/NDF : 38.1/28

All: -31.651+/-15.143 χ^2/NDF : 54.2/53

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 5604.814 $\pm$ 5.147 χ^2 /NDF: 9034.7/1

Left Out: 5002.559 $\pm$ 0.845 χ^2 /NDF:1145597.1/24

Right Out: 7.560 $\pm$ 0.011 χ^2 /NDF: 3113296.0/3

Left In: 4986.169 $\pm$ 0.857 χ^2 /NDF:1197602.7/22

Left: 4994.480 $\pm$ 0.602 χ^2 /NDF: 2343385.4/47

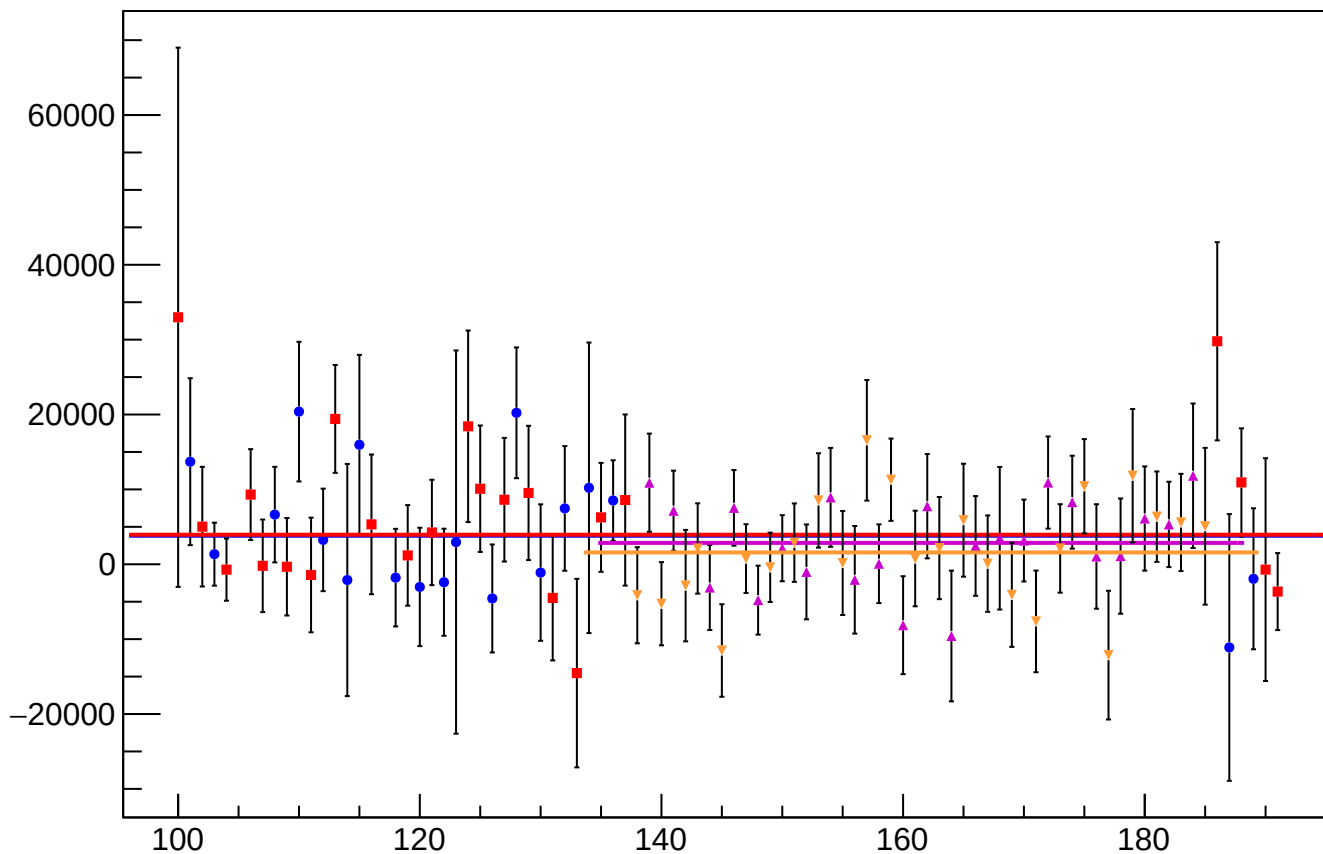
Right: 7.584 $\pm$ 0.011 χ^2 /NDF: 4304857.4/5

In: 5002.848 $\pm$ 0.845 χ^2 /NDF:1220693.9/24

Out: 8.363 $\pm$ 0.011 χ^2 /NDF:39218593.9/28

All: 9.164 $\pm$ 0.011 χ^2 /NDF: 75357762.3/53

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1580.515+/-1266.098 χ^2/NDF : 25.2/24

Right Out: 3944.444+/-1574.854 χ^2/NDF : 21.9/22

Left In: 2856.480+/-1284.131 χ^2/NDF : 18.1/22

Left: 2209.475+/-901.574 χ^2/NDF : 43.8/47

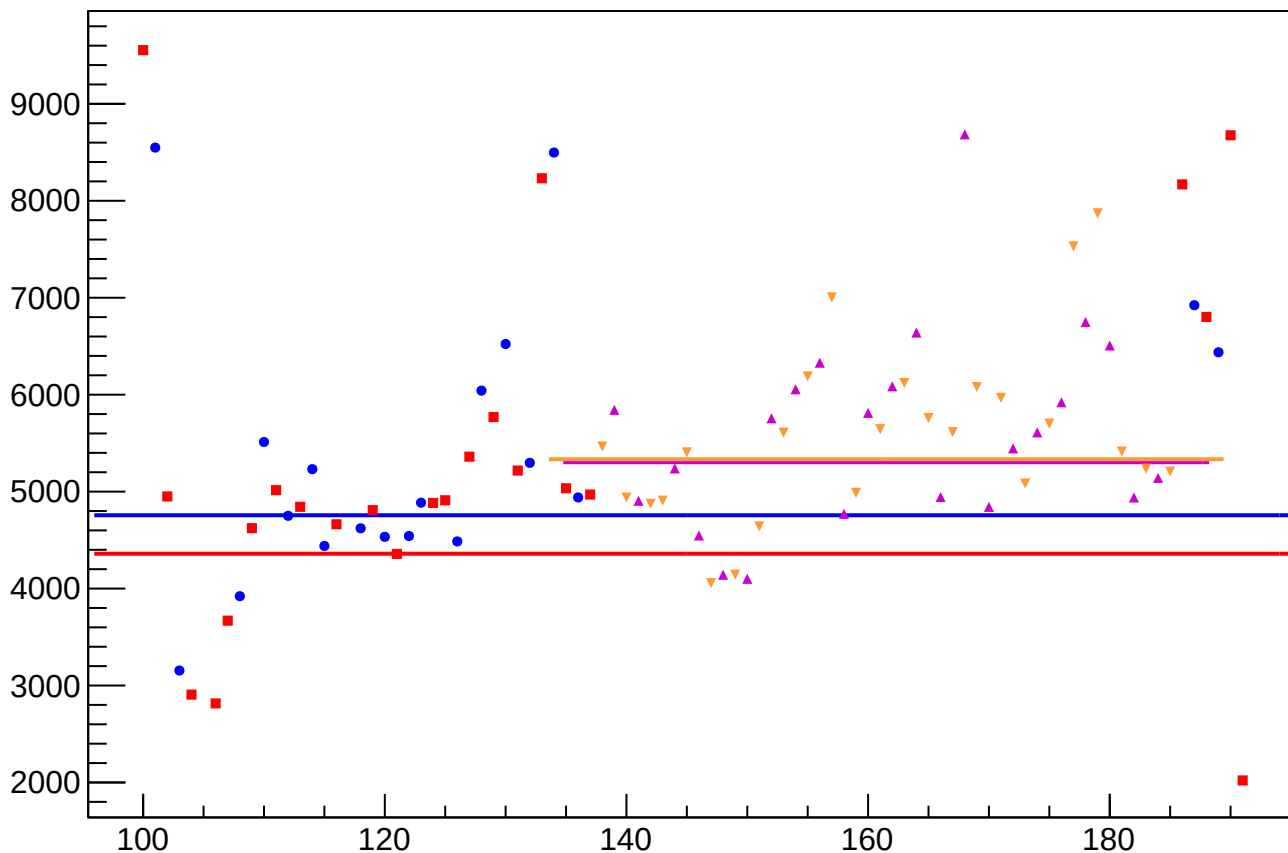
Right: 3887.775+/-1188.995 χ^2/NDF : 37.1/41

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

Out: 2508.565+/-986.754 χ^2/NDF : 48.4/47

All: 2822.165+/-718.399 χ^2/NDF : 82.1/89

asym_atr_avg_rms vs Slug, Sign Corrected



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

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

Right Out: 4359.562 $\pm$ 1.108 χ^2 /NDF: 1809078.1/22

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

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

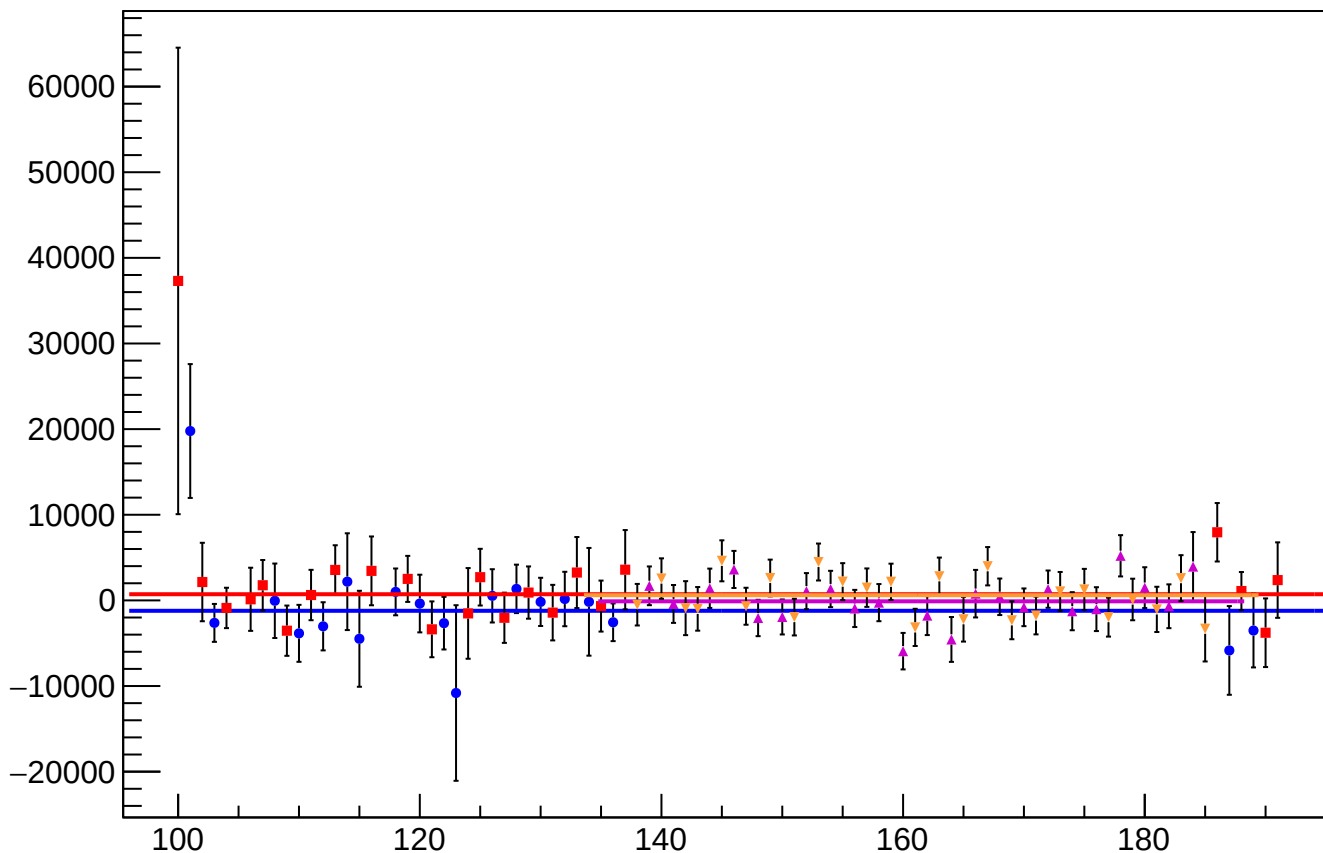
Right: 4529.278 $\pm$ 0.838 χ^2 /NDF: 2739663.1/41

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

Out: 4949.333 $\pm$ 0.696 χ^2 /NDF: 3142531.6/47

All: 5029.682 $\pm$ 0.507 χ^2 /NDF: 5128174.1/89

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1215.325 $\pm$ 774.511 χ^2 /NDF: 14.2/18

Left Out: 605.796 $\pm$ 469.397 χ^2 /NDF: 25.2/24

Right Out: 719.265 $\pm$ 685.139 χ^2 /NDF: 16.8/22

Left In: -108.365 $\pm$ 477.899 χ^2 /NDF: 25.0/22

Left: 255.125 $\pm$ 334.879 χ^2 /NDF: 51.4/47

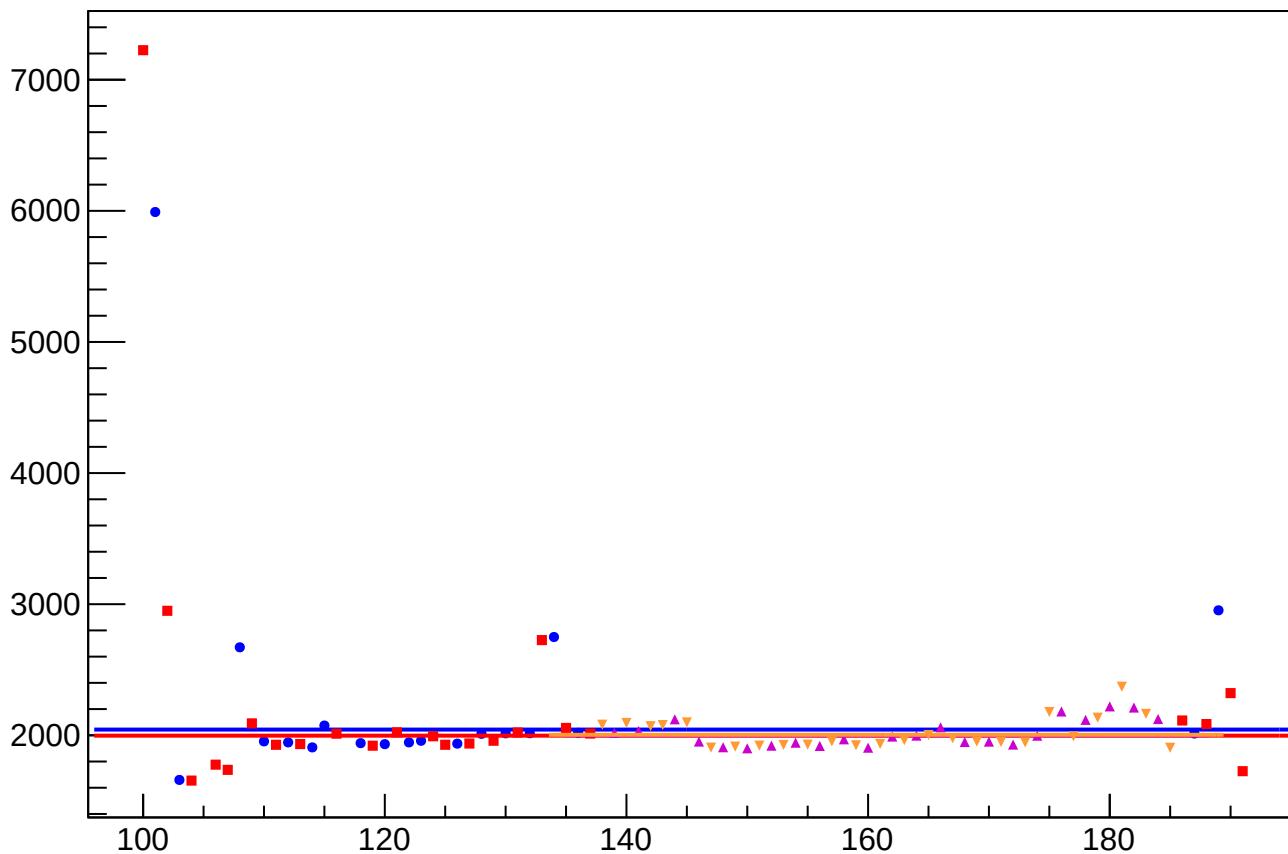
Right: -130.021 $\pm$ 513.168 χ^2 /NDF: 34.5/41

In: -413.604 $\pm$ 406.707 χ^2 /NDF: 40.6/41

Out: 642.043 $\pm$ 387.234 χ^2 /NDF: 42.1/47

All: 140.095 $\pm$ 280.447 χ^2 /NDF: 86.3/89

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 2043.660+/-0.548 χ^2/NDF : 742177.3/18

Left Out: 2003.987+/-0.332 χ^2/NDF : 99981.7/24

Right Out: 1997.261+/-0.484 χ^2/NDF : 322380.3/22

Left In: 2000.119+/-0.338 χ^2/NDF : 79688.8/22

Left: 2002.088+/-0.237 χ^2/NDF : 179737.2/47

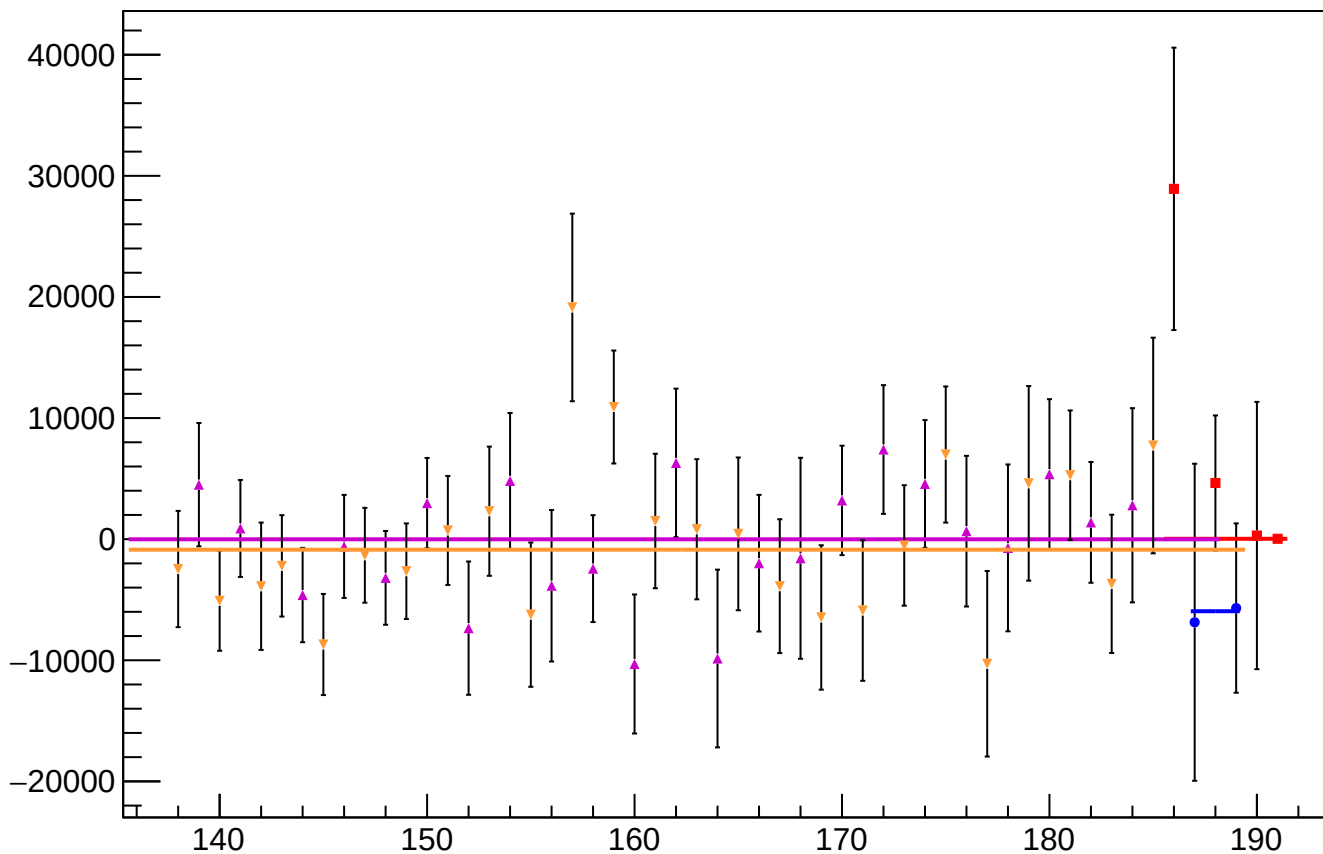
Right: 2017.611+/-0.363 χ^2/NDF : 1068587.4/41

In: 2012.125+/-0.288 χ^2/NDF : 826444.0/41

Out: 2001.836+/-0.274 χ^2/NDF : 422493.4/47

All: 2006.727+/-0.198 χ^2/NDF : 1249608.9/89

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: -5950.001+/-6166.865 χ^2/NDF : 0.0/1

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

Right Out: 31.128+/-14.261 χ^2/NDF : 6.8/3

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

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

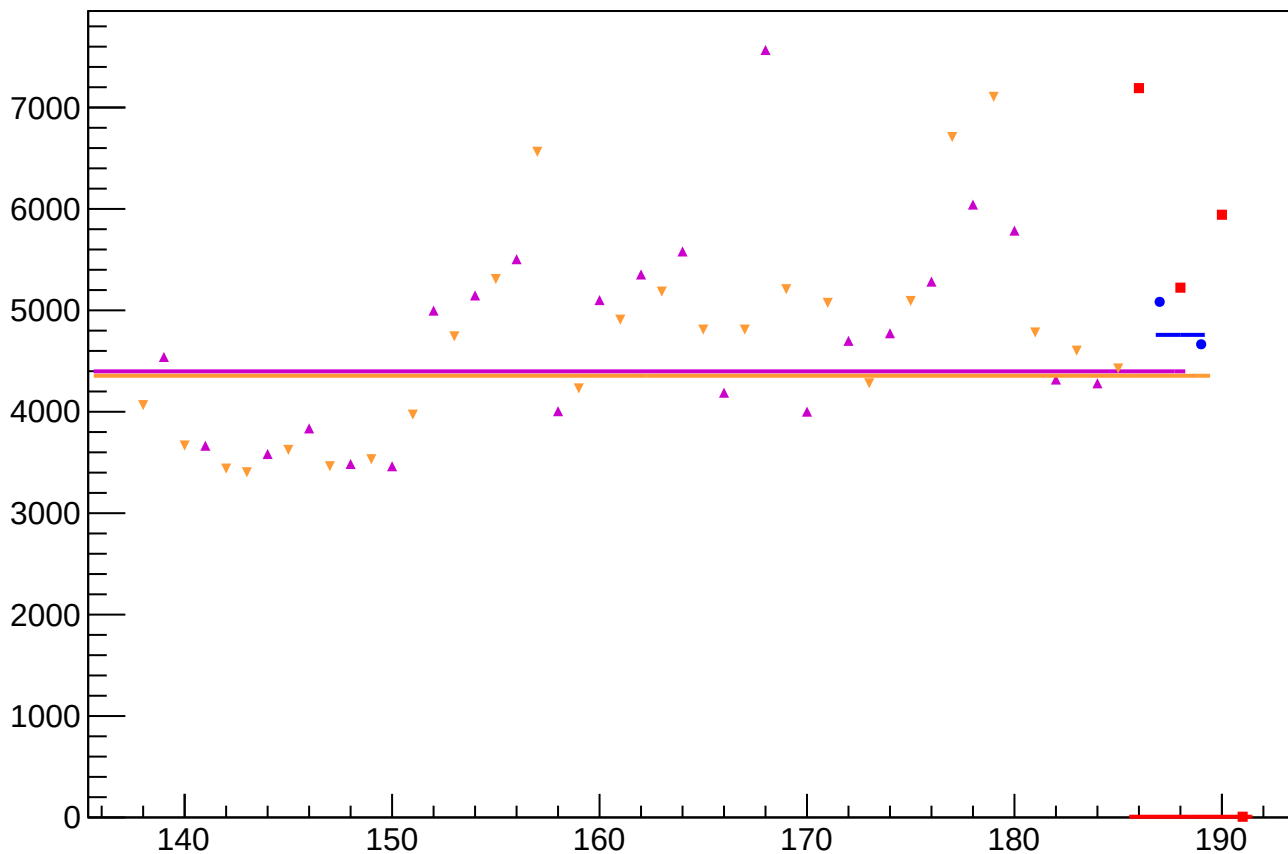
Right: 31.096+/-14.261 χ^2/NDF : 7.8/5

In: -184.596+/-1054.496 χ^2/NDF :18.1/24

Out: 30.959+/-14.259 χ^2/NDF :35.9/28

All: 30.920+/-14.258 χ^2/NDF : 54.0/53

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 4758.190+/-4.361 χ^2/NDF : 1591.2/1

Left Out: 4355.202+/-0.738 χ^2/NDF : 1350492.3/24

Right Out: 7.124+/-0.010 χ^2/NDF : 3087557.2/3

Left In: 4398.421+/-0.757 χ^2/NDF : 1278784.1/22

Left: 4376.262+/-0.528 χ^2/NDF : 2630948.5/47

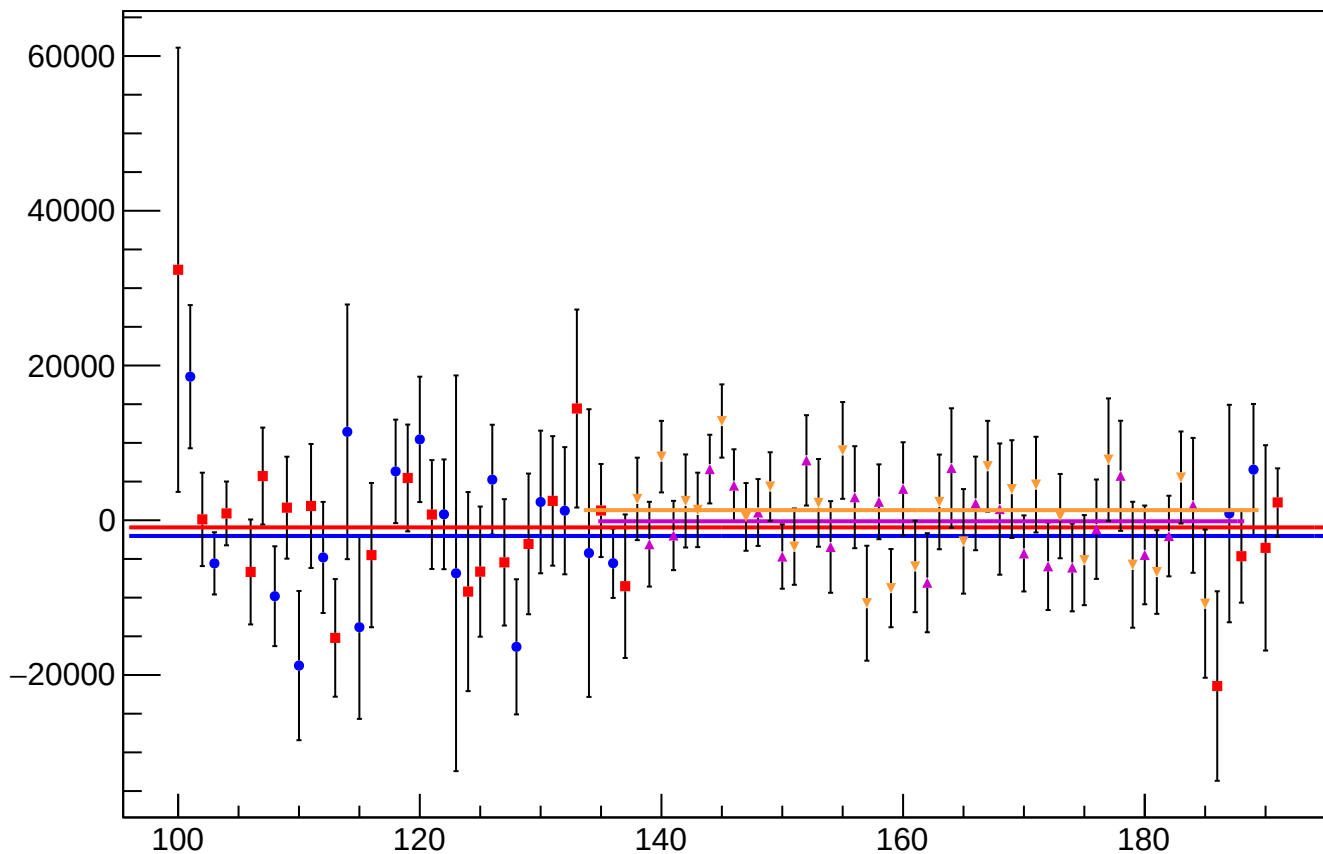
Right: 7.149+/-0.010 χ^2/NDF : 4276230.6/5

In: 4408.940+/-0.746 χ^2/NDF : 1286983.1/24

Out: 7.936+/-0.010 χ^2/NDF : 39163684.4/28

All: 8.741+/-0.010 χ^2/NDF : 75281559.6/53

asym_atr_dd_mean vs Slug, Sign Corrected



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

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

Right Out: -920.639 $\pm$ 1504.509 χ^2 /NDF: 15.7/22

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

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

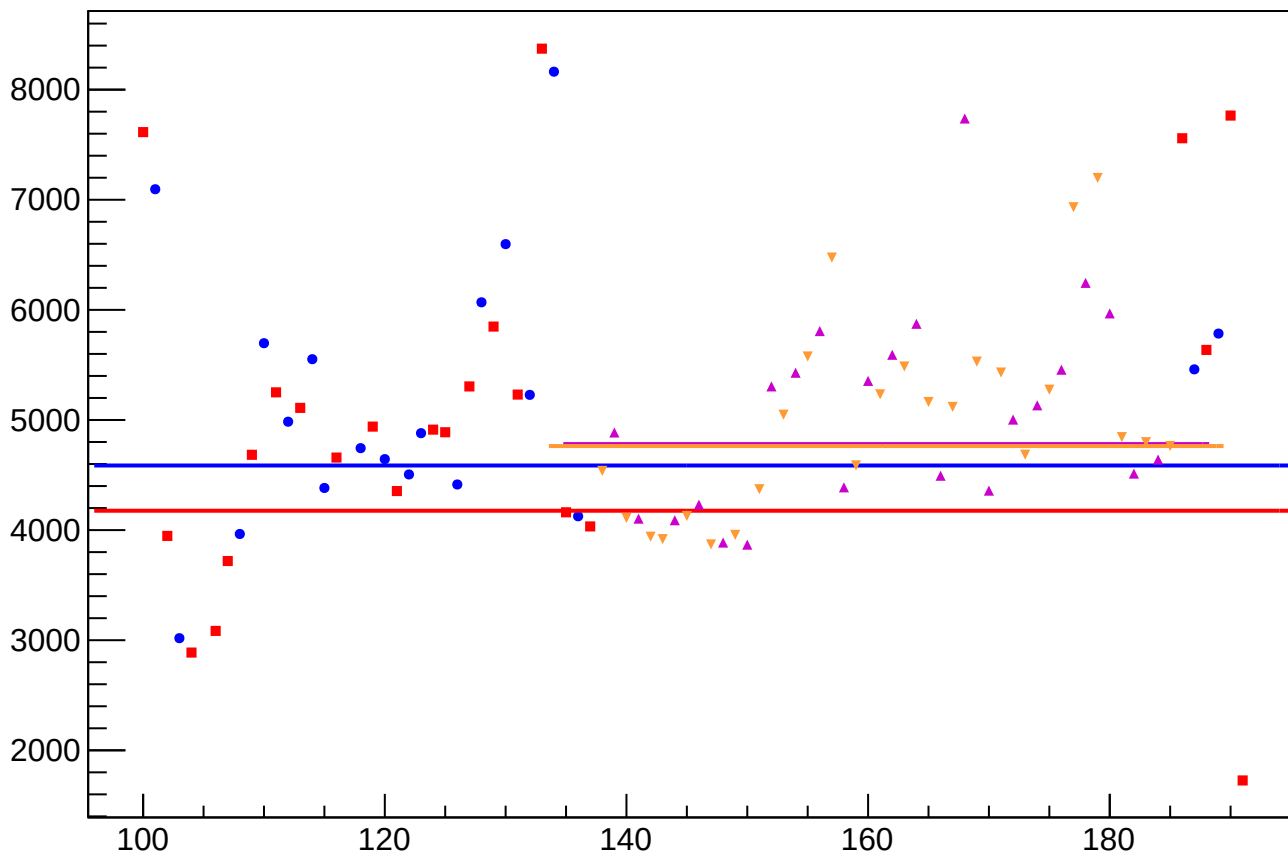
Right: -1394.015 $\pm$ 1139.385 χ^2 /NDF: 37.9/41

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

Out: 501.983 $\pm$ 904.359 χ^2 /NDF: 45.2/47

All: -65.906 $\pm$ 659.687 χ^2 /NDF: 83.7/89

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4586.674 $\pm$ 1.234 χ^2/NDF : 820651.0/18

Left Out: 4763.190 $\pm$ 0.800 χ^2/NDF :941856.9/24

Right Out: 4175.892 $\pm$ 1.059 χ^2/NDF : 1817119.6/22

Left In: 4781.172 $\pm$ 0.818 χ^2/NDF :951542.2/22

Left: 4771.979 $\pm$ 0.572 χ^2/NDF : 1893645.9/47

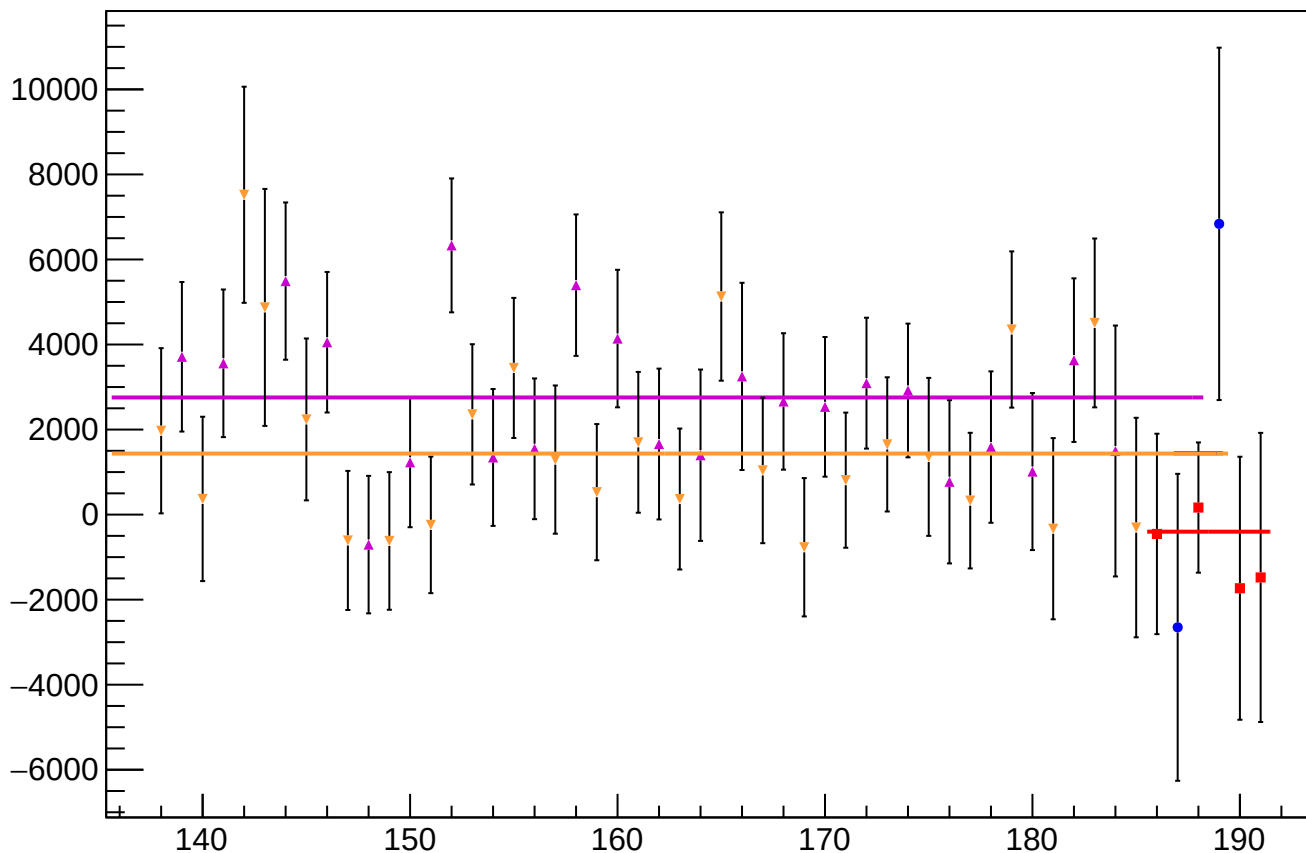
Right: 4350.194 $\pm$ 0.804 χ^2/NDF : 2701595.4/41

In: 4721.744 $\pm$ 0.682 χ^2/NDF :1789453.9/41

Out: 4549.789 $\pm$ 0.638 χ^2/NDF :2954718.6/47

All: 4630.110 $\pm$ 0.466 χ^2/NDF : 4778055.1/89

dit_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 1442.779 $\pm$ 2721.539 χ^2 /NDF: 3.0/1

Left Out: 1435.504 $\pm$ 358.178 χ^2 /NDF:26.7/24

Right Out: -401.423 $\pm$ 1119.814 χ^2 /NDF: 0.4/3

Left In: 2754.889 $\pm$ 361.672 χ^2 /NDF:22.4/22

Left: 2088.793 $\pm$ 254.496 χ^2 /NDF: 55.8/47

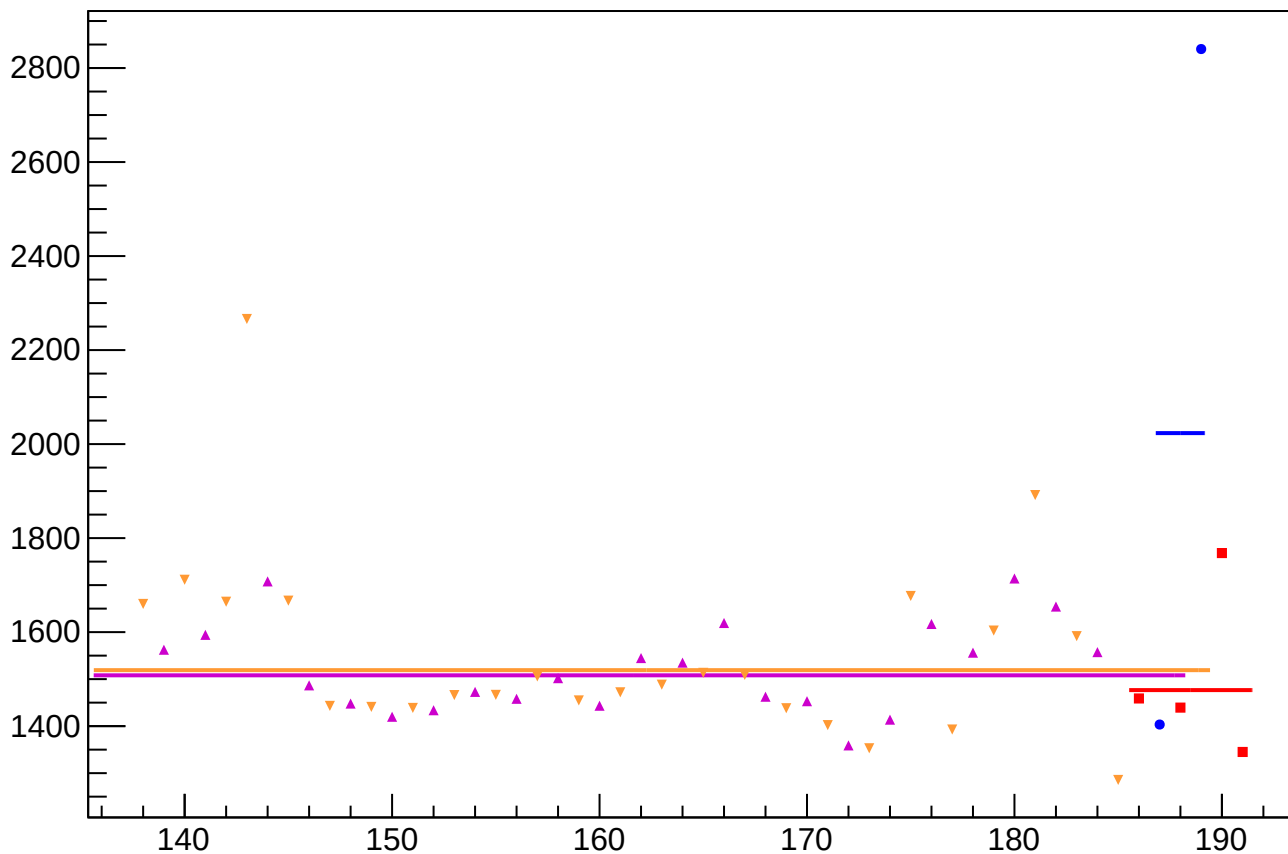
Right: -134.402 $\pm$ 1035.577 χ^2 /NDF: 3.8/5

In: 2732.118 $\pm$ 358.520 χ^2 /NDF:25.6/24

Out: 1265.016 $\pm$ 341.152 χ^2 /NDF:29.6/28

All: 1962.171 $\pm$ 247.143 χ^2 /NDF: 64.0/53

dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2023.377+/-1.924 χ^2/NDF : 136768.3/1

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

Right Out: 1476.669+/-0.792 χ^2/NDF : 22063.5/3

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

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

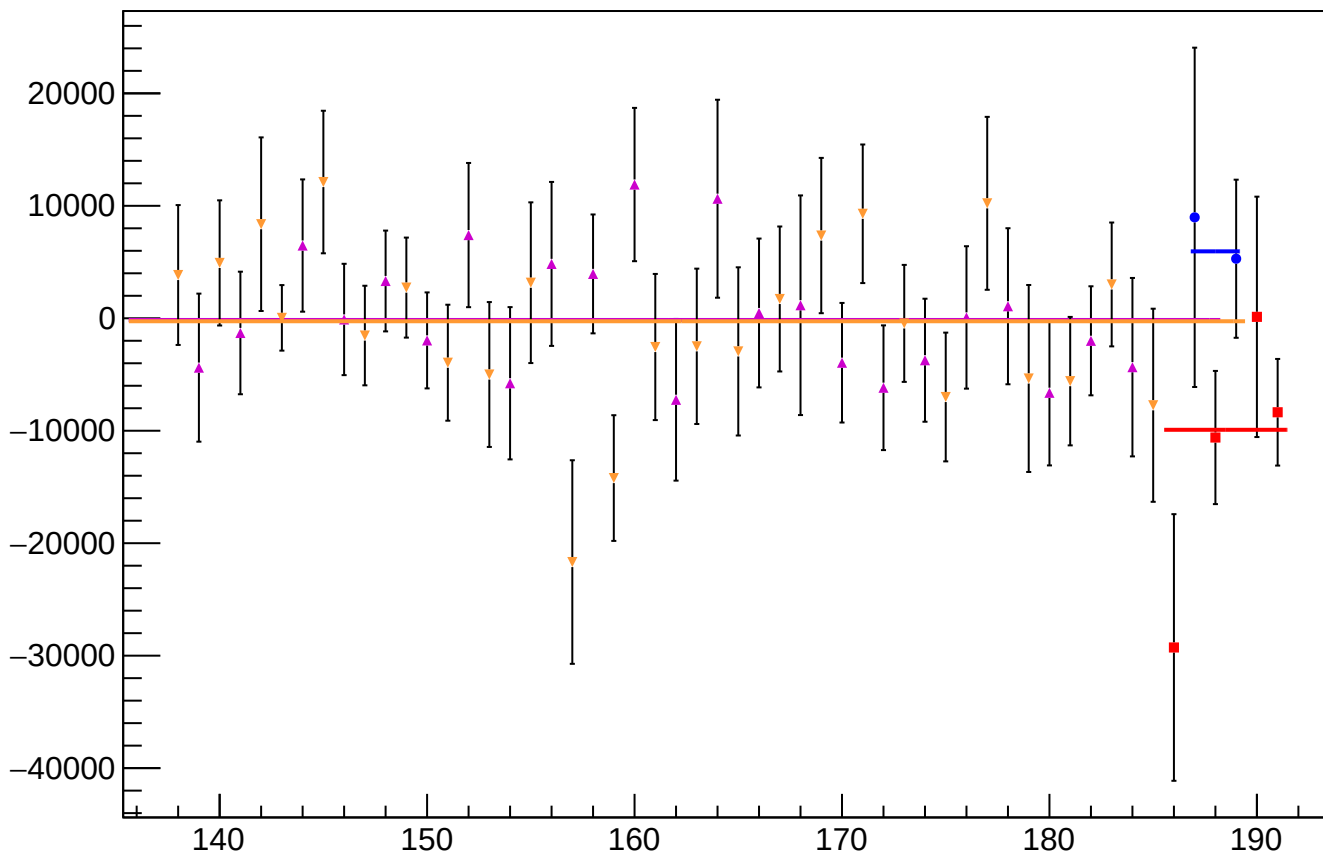
Right: 1555.827+/-0.732 χ^2/NDF : 227853.3/5

In: 1517.053+/-0.254 χ^2/NDF :338703.7/24

Out: 1515.155+/-0.241 χ^2/NDF :390506.6/28

All: 1516.057+/-0.175 χ^2/NDF : 729239.7/53

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



Right In: 5950.864+/-6371.883 χ^2/NDF : 0.0/1

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

Right Out: -9916.086+/-3354.316 χ^2/NDF : 3.7/3

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

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

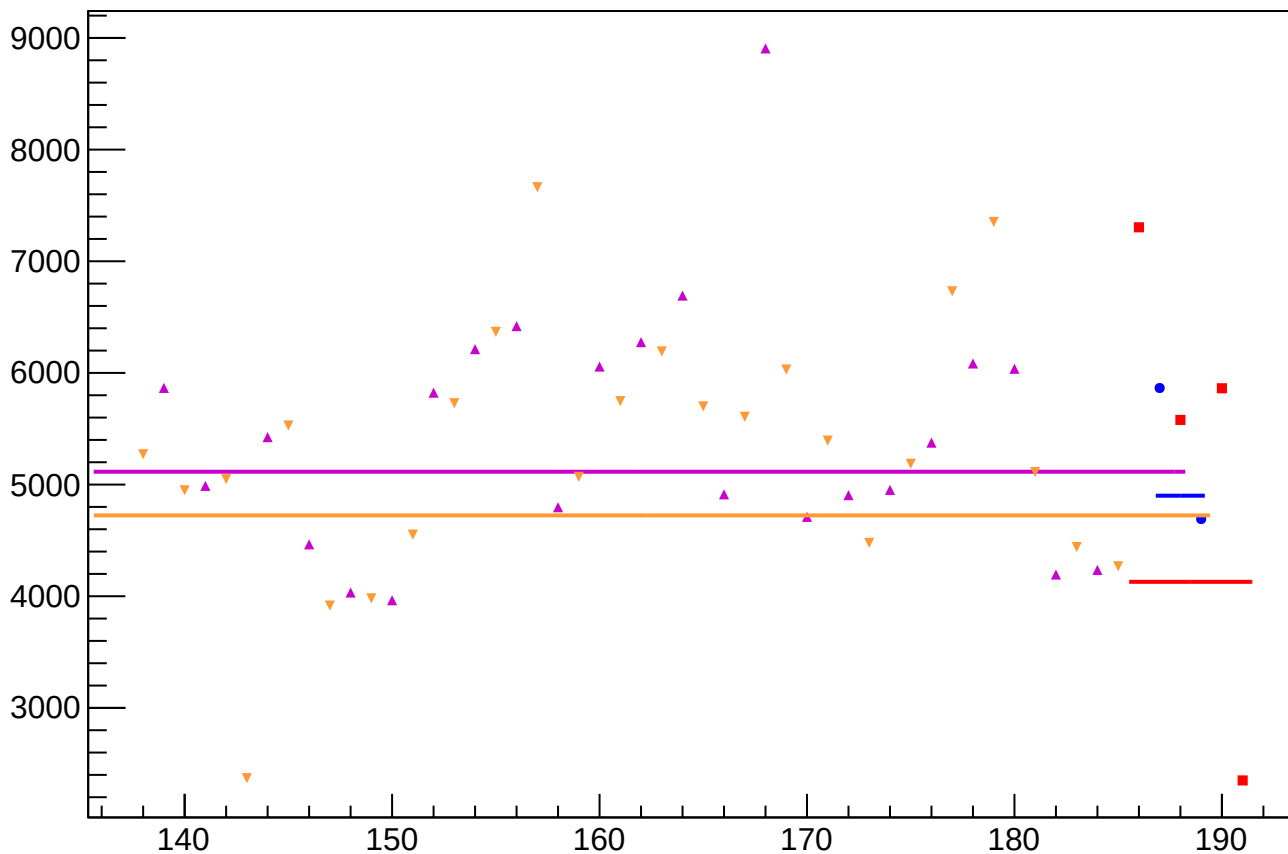
Right: -6473.116+/-2968.162 χ^2/NDF : 8.6/5

In: 72.045+/-1218.868 χ^2/NDF :15.8/24

Out: -1281.244+/-1088.790 χ^2/NDF :40.8/28

All: -680.640+/-811.999 χ^2/NDF : 57.2/53

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



Right In: 4900.489 $\pm$ 4.506 χ^2 /NDF: 9945.9/1

Left Out: 4724.027 $\pm$ 0.814 χ^2 /NDF: 2537532.1/24

Right Out: 4129.021 $\pm$ 2.372 χ^2 /NDF: 597568.3/3

Left In: 5115.139 $\pm$ 0.878 χ^2 /NDF: 1131347.2/22

Left: 4904.783 $\pm$ 0.597 χ^2 /NDF: 3775584.1/47

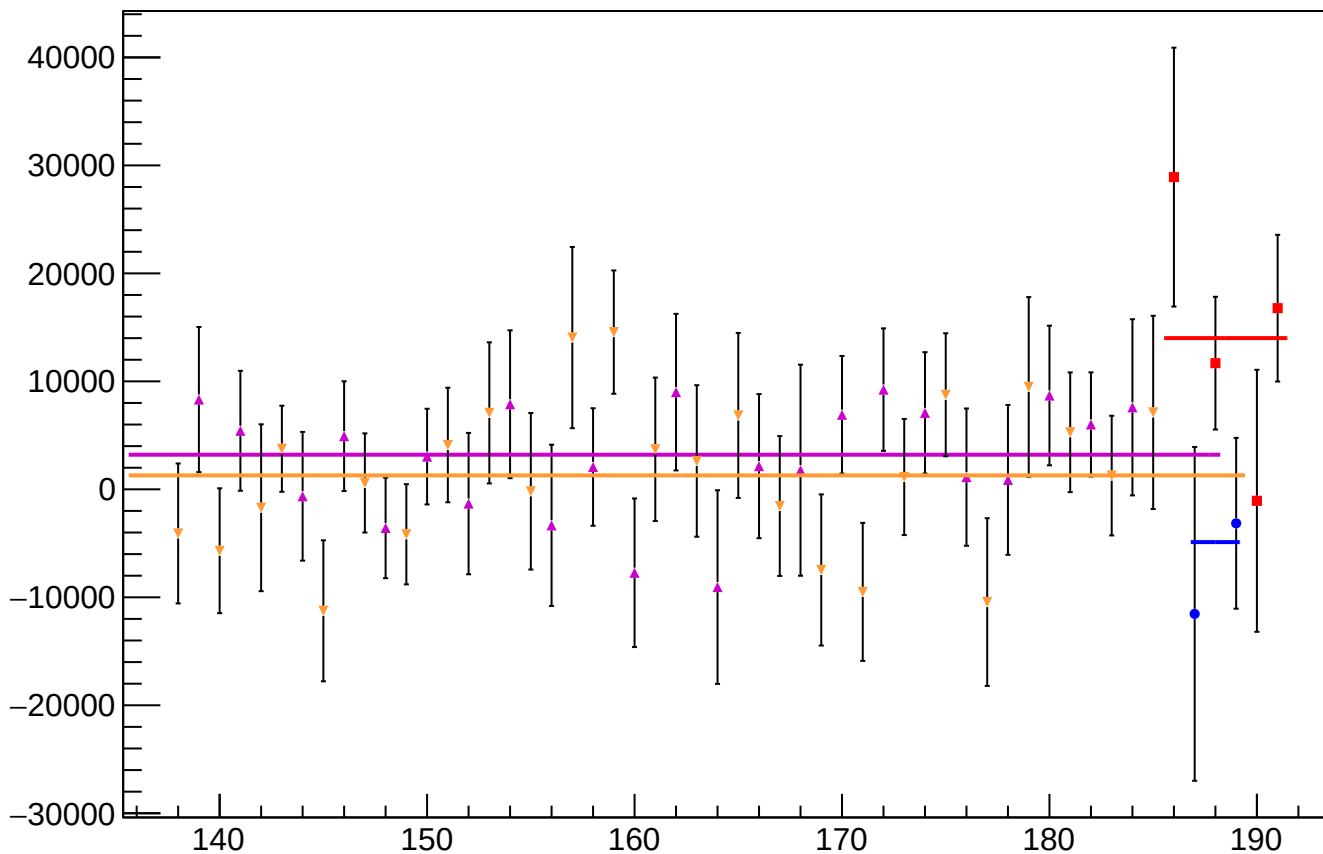
Right: 4296.422 $\pm$ 2.099 χ^2 /NDF: 630470.3/5

In: 5107.285 $\pm$ 0.862 χ^2 /NDF: 1143479.6/24

Out: 4661.336 $\pm$ 0.770 χ^2 /NDF: 3191401.0/28

All: 4859.253 $\pm$ 0.574 χ^2 /NDF: 4483785.5/53

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



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

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

Right Out: 14005.219+/-4019.033 χ^2/NDF : 3.4/3

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

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

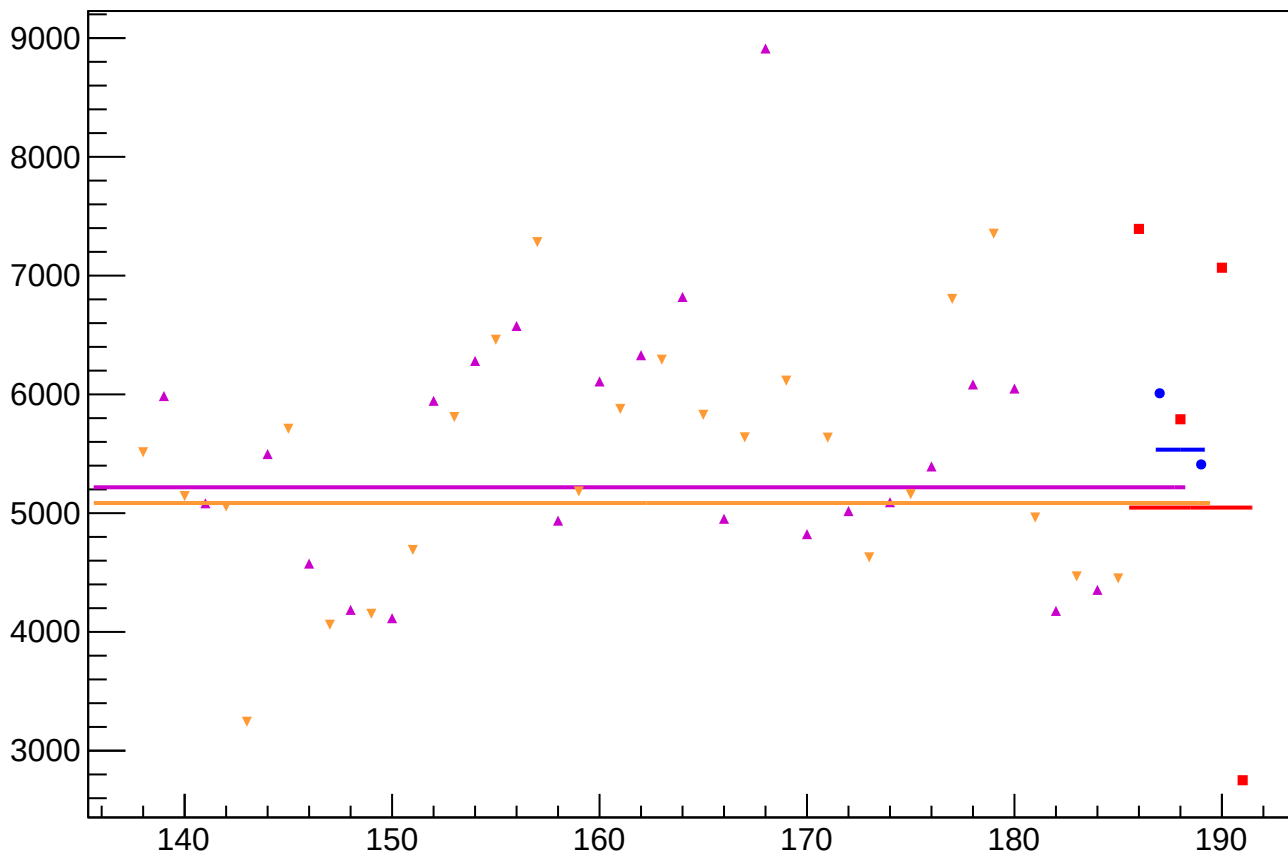
Right: 9363.121+/-3490.535 χ^2/NDF : 9.1/5

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

Out: 2358.042+/-1163.684 χ^2/NDF : 40.4/28

All: 2634.903+/-850.344 χ^2/NDF : 55.9/53

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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

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

Right Out: 5046.985+/-2.842 χ^2/NDF : 389722.9/3

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

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

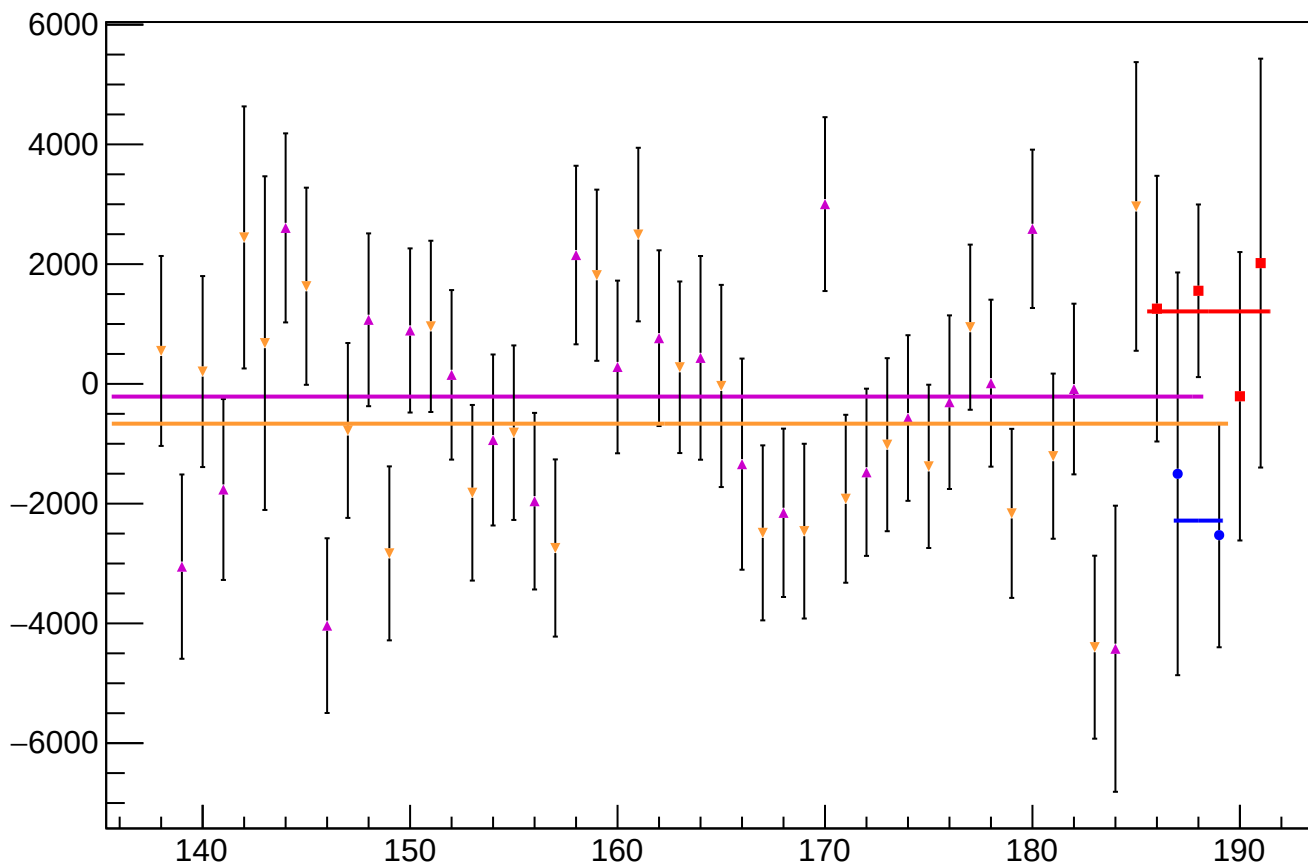
Right: 5166.780+/-2.468 χ^2/NDF : 399336.2/5

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

Out: 5082.094+/-0.823 χ^2/NDF :1746587.9/28

All: 5150.033+/-0.601 χ^2/NDF : 2826508.9/53

dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -2283.368 ± 1636.274 $\chi^2/\text{NDF}: 0.1/1$

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

Right Out: 1210.445 ± 1030.037 $\chi^2/\text{NDF}: 0.5/3$

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

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

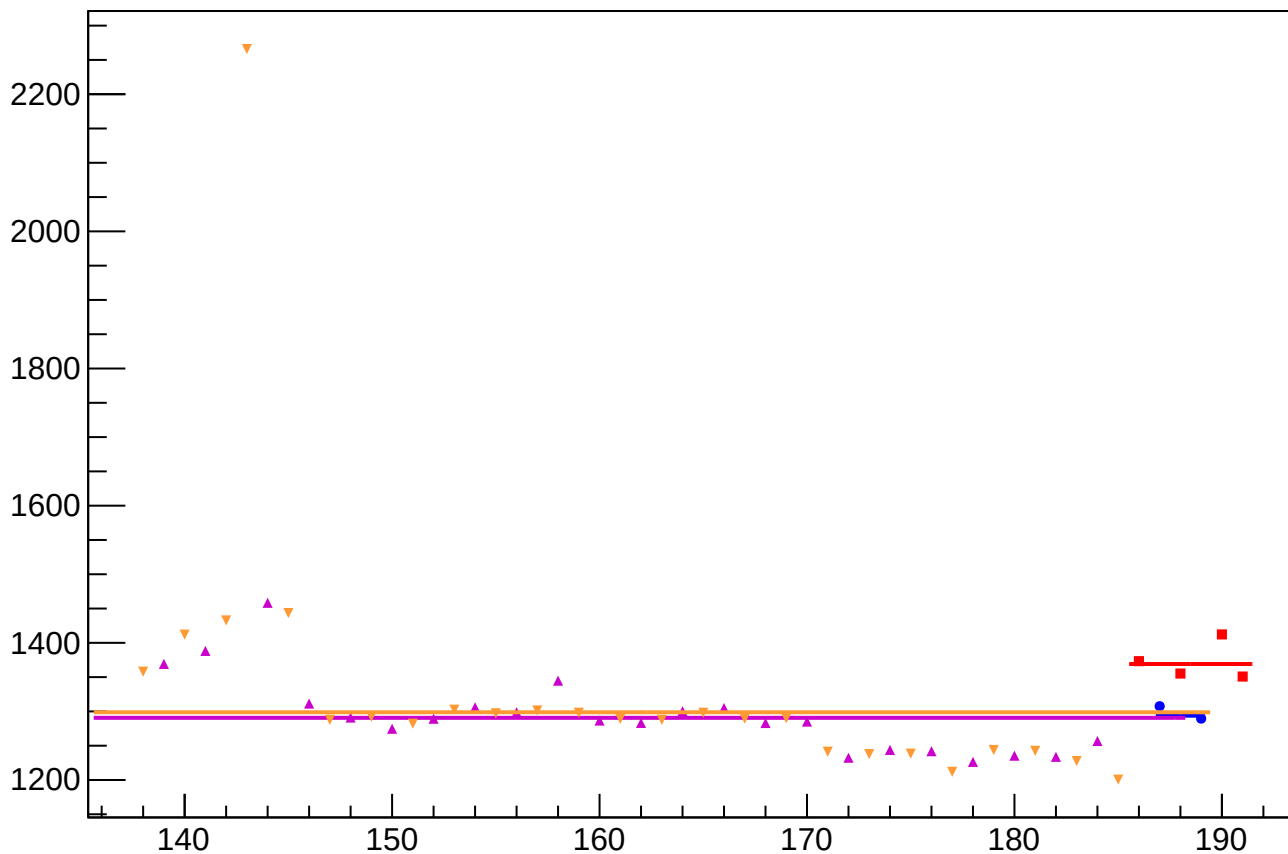
Right: 218.876 ± 871.701 $\chi^2/\text{NDF}: 3.8/5$

In: -283.214 ± 303.251 $\chi^2/\text{NDF}: 38.3/24$

Out: -513.124 ± 292.553 $\chi^2/\text{NDF}: 38.1/28$

All: -402.296 ± 210.547 $\chi^2/\text{NDF}: 76.7/53$

dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1293.801 $\pm$ 1.157 χ^2 /NDF: 44.1/1

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

Right Out: 1369.138 $\pm$ 0.728 χ^2 /NDF: 892.6/3

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

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

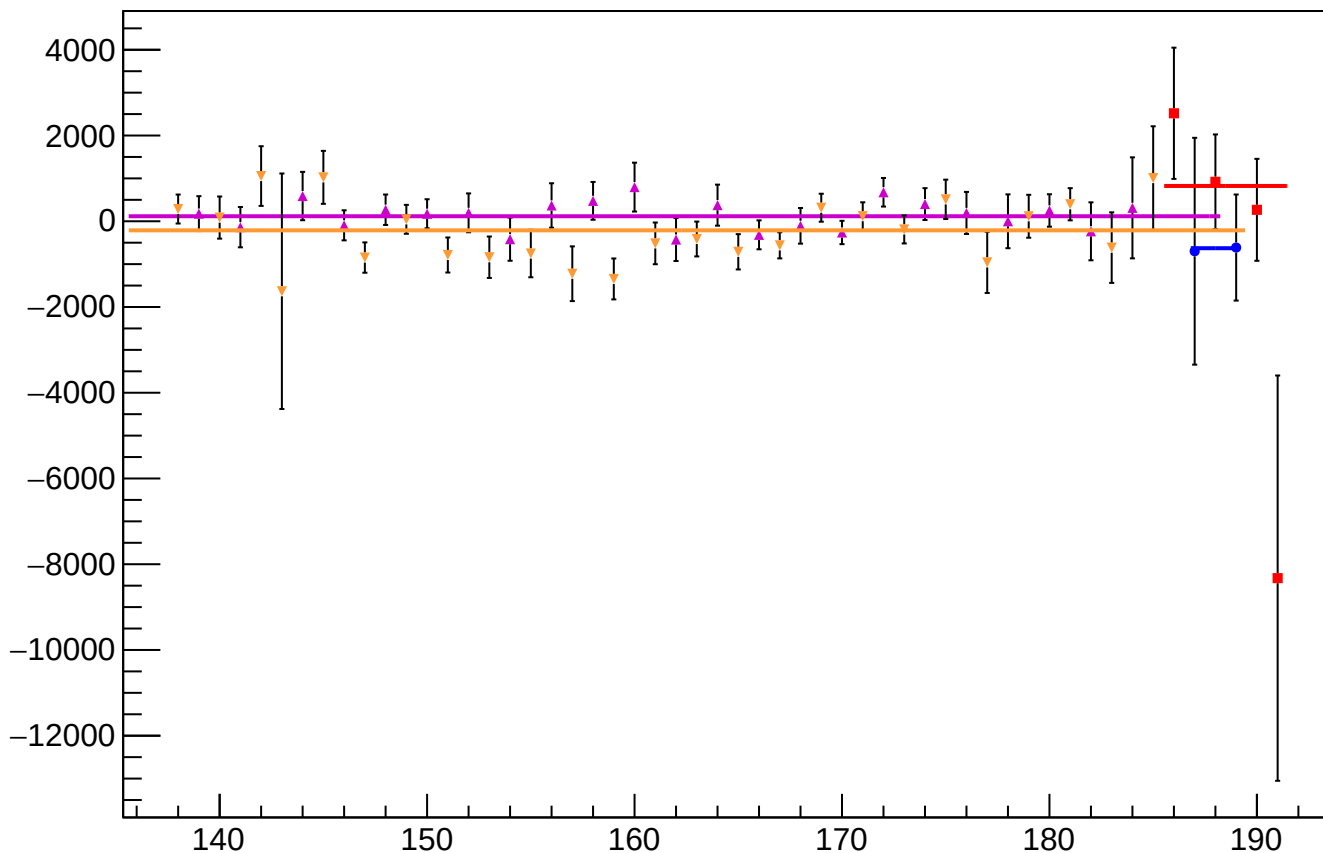
Right: 1347.757 $\pm$ 0.616 χ^2 /NDF: 3973.2/5

In: 1290.753 $\pm$ 0.214 χ^2 /NDF:59479.1/24

Out: 1304.422 $\pm$ 0.207 χ^2 /NDF:319825.2/28

All: 1297.833 $\pm$ 0.149 χ^2 /NDF: 381408.9/53

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



Right In: -628.576 ± 1120.695 $\chi^2/\text{NDF}: 0.0/1$

Left Out: -211.646 ± 87.670 $\chi^2/\text{NDF}: 41.7/24$

Right Out: 823.576 ± 707.340 $\chi^2/\text{NDF}: 5.2/3$

Left In: 117.113 ± 88.214 $\chi^2/\text{NDF}: 14.3/22$

Left: -48.284 ± 62.183 $\chi^2/\text{NDF}: 63.0/47$

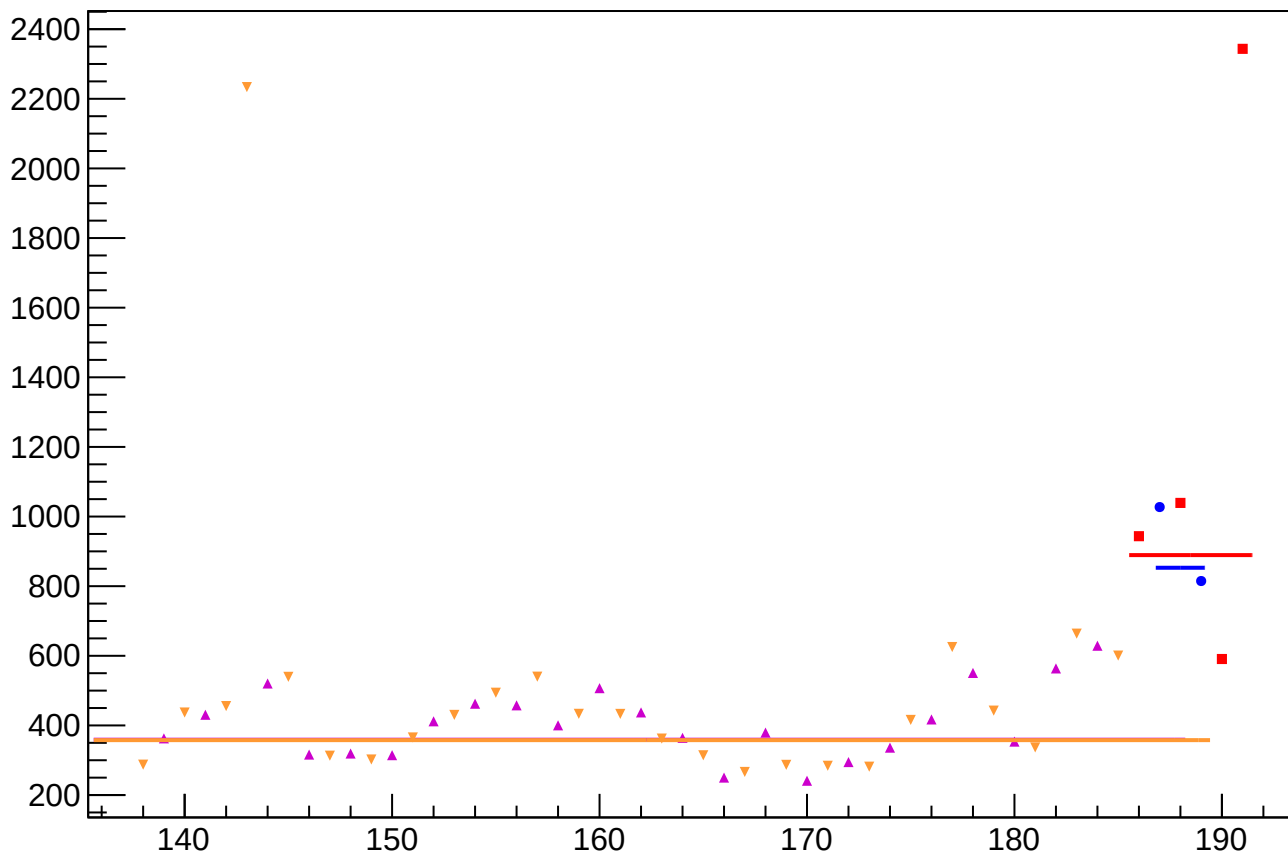
Right: 409.888 ± 598.161 $\chi^2/\text{NDF}: 6.4/5$

In: 112.522 ± 87.942 $\chi^2/\text{NDF}: 14.7/24$

Out: -195.983 ± 87.004 $\chi^2/\text{NDF}: 49.0/28$

All: -43.385 ± 61.850 $\chi^2/\text{NDF}: 70.0/53$

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



Left: 358.371 $\pm$ 0.044 χ^2/NDF : 4901108.0/47

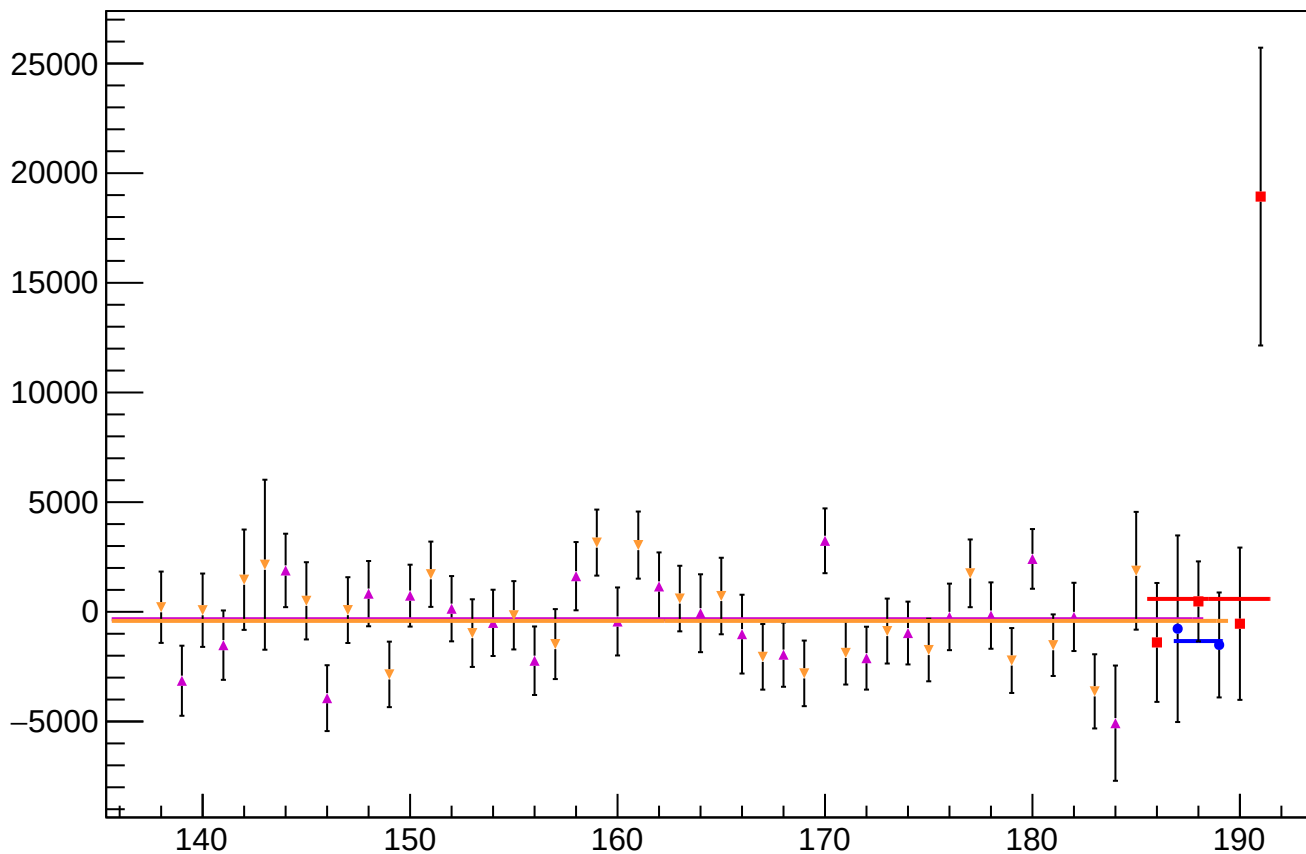
Right: 878.906 $\pm$ 0.423 χ^2/NDF : 366772.0/5

In: 362.042 $\pm$ 0.062 χ^2/NDF : 2255537.7/24

Out: 365.791 $\pm$ 0.062 χ^2/NDF : 4508895.7/28

All: 363.936 $\pm$ 0.044 χ^2/NDF : 6766270.1/53

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



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

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

Right Out: 588.489+/-1359.370 χ^2/NDF : 7.9/3

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

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

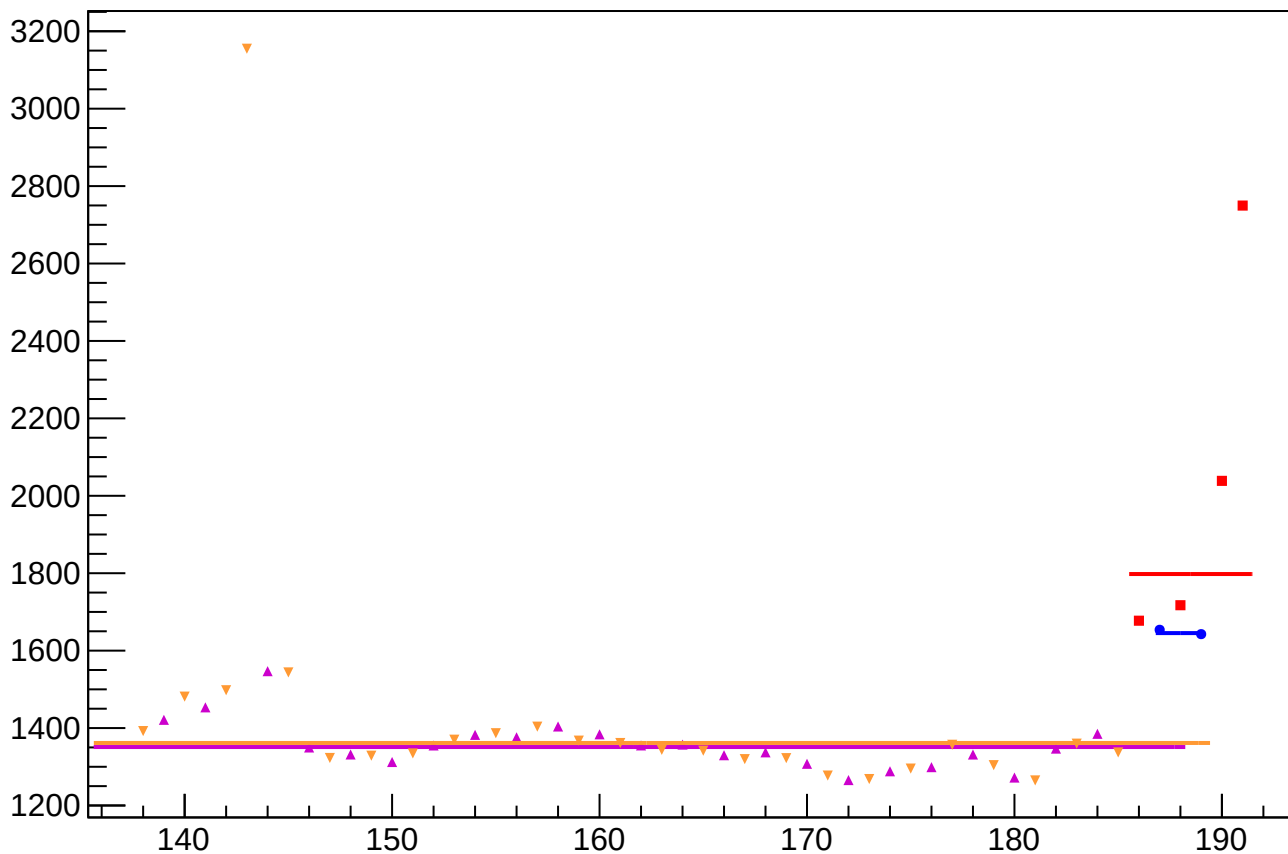
Right: 15.428+/-1138.775 χ^2/NDF : 8.6/5

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

Out: -360.591+/-312.110 χ^2/NDF : 41.3/28

All: -360.562+/-223.165 χ^2/NDF : 74.3/53

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



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

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

Right Out: 1797.890+/-0.961 χ^2/NDF : 56773.8/3

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

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

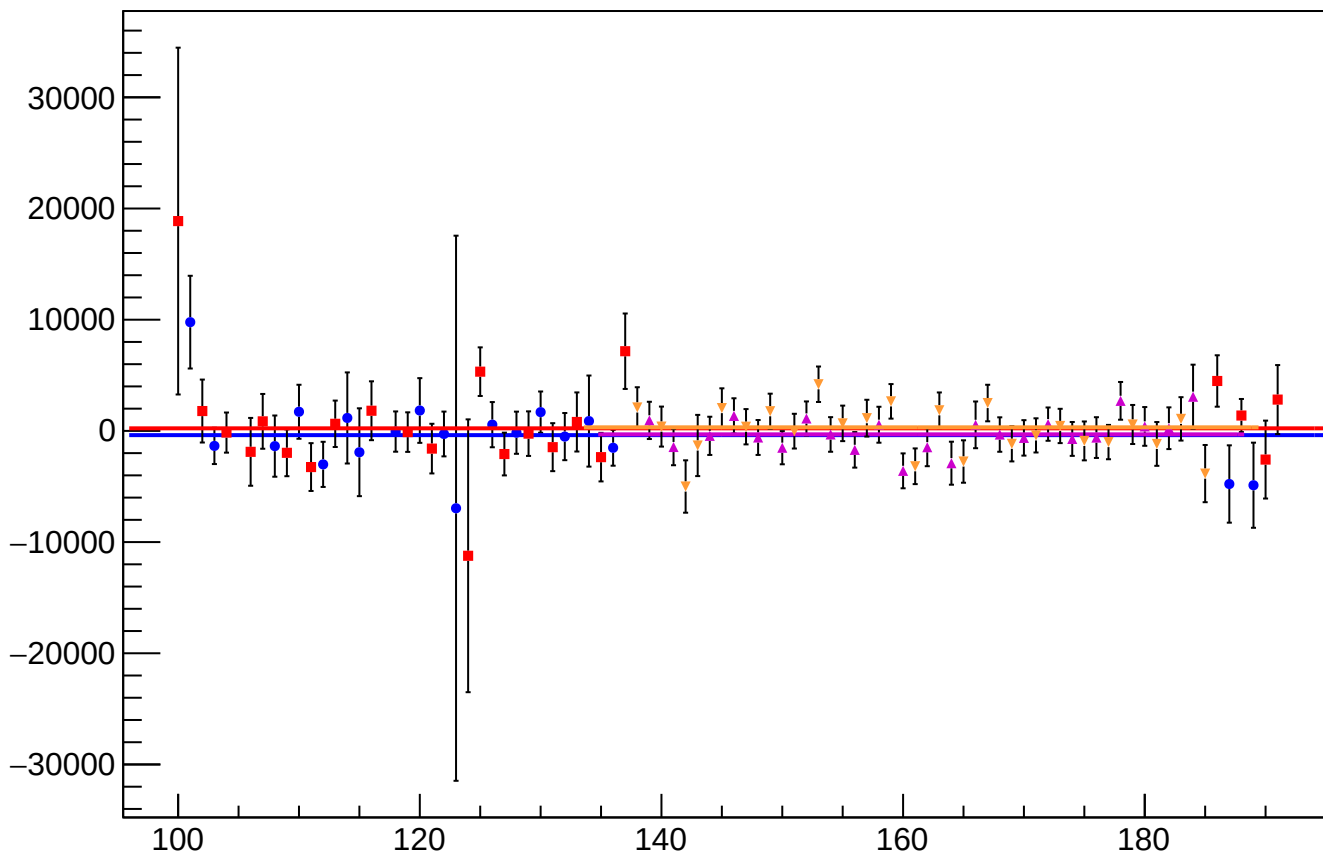
Right: 1752.394+/-0.805 χ^2/NDF : 64296.7/5

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

Out: 1384.515+/-0.221 χ^2/NDF : 759881.6/28

All: 1371.511+/-0.158 χ^2/NDF : 874880.4/53

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -381.210+/-542.215 χ^2/NDF : 14.9/18

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

Right Out: 230.192+/-485.013 χ^2/NDF : 26.5/22

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

Left: 7.936+/-244.979 χ^2/NDF : 50.9/47

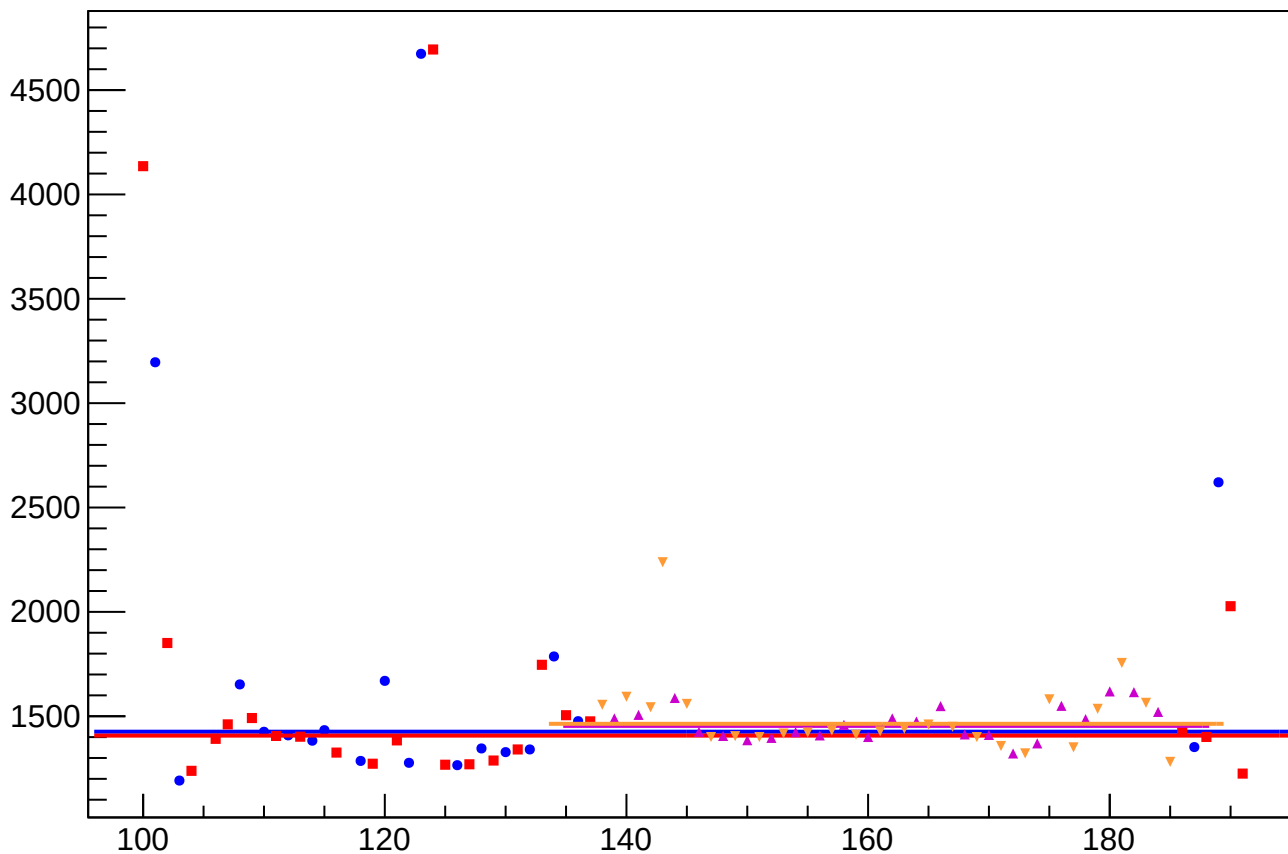
Right: -41.568+/-361.494 χ^2/NDF : 42.1/41

In: -331.389+/-293.043 χ^2/NDF : 31.7/41

Out: 289.906+/-280.938 χ^2/NDF : 59.0/47

All: -7.644+/-202.798 χ^2/NDF : 93.1/89

dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1425.920+/-0.383 χ^2/NDF : 725584.4/18

Left Out: 1463.714+/-0.244 χ^2/NDF : 310491.4/24

Right Out: 1407.139+/-0.343 χ^2/NDF : 423773.3/22

Left In: 1453.763+/-0.246 χ^2/NDF : 99224.2/22

Left: 1458.791+/-0.173 χ^2/NDF : 410540.5/47

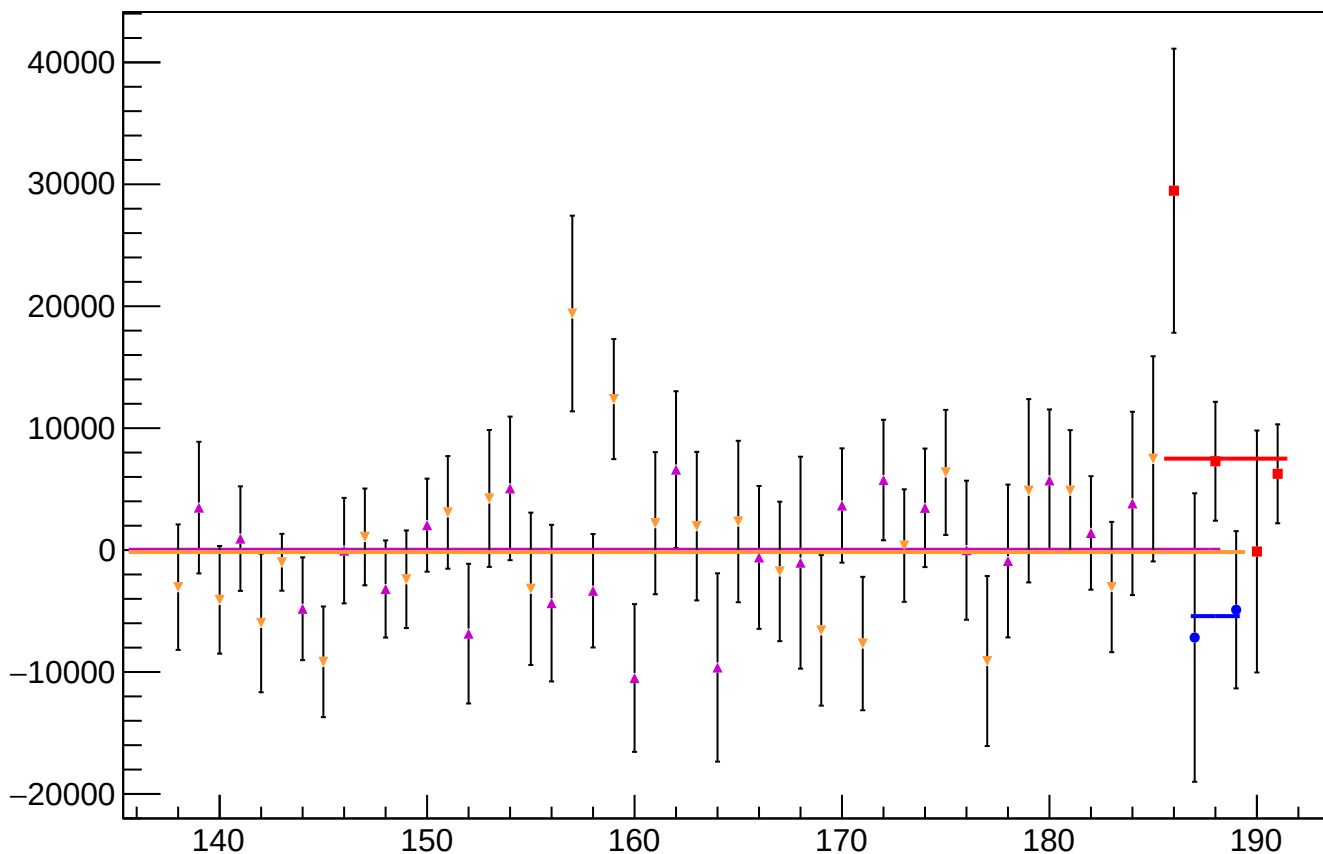
Right: 1415.482+/-0.256 χ^2/NDF : 1150691.2/41

In: 1445.630+/-0.207 χ^2/NDF : 828542.0/41

Out: 1444.720+/-0.199 χ^2/NDF : 752358.1/47

All: 1445.156+/-0.143 χ^2/NDF : 1580910.2/89

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



Right In: -5416.337+/-5662.235 χ^2/NDF : 0.0/1

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

Right Out: 7501.071+/-2882.773 χ^2/NDF : 4.2/3

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

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

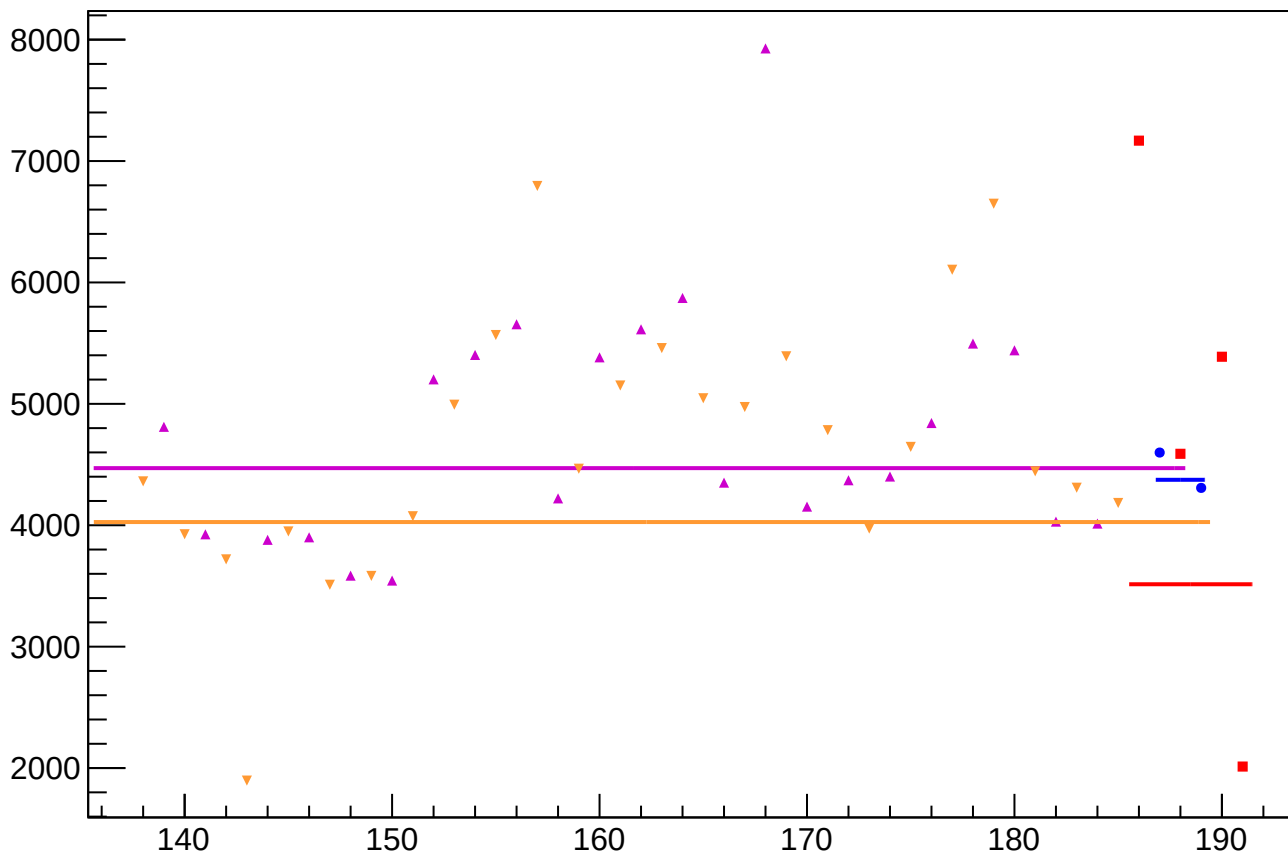
Right: 4842.037+/-2568.988 χ^2/NDF : 8.4/5

In: -166.005+/-1066.005 χ^2/NDF : 16.2/24

Out: 647.146+/-935.773 χ^2/NDF : 40.3/28

All: 293.250+/-703.253 χ^2/NDF : 56.8/53

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



Right In: 4374.454+/-4.004 χ^2/NDF : 933.0/1

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

Right Out: 3514.030+/-2.038 χ^2/NDF : 639156.6/3

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

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

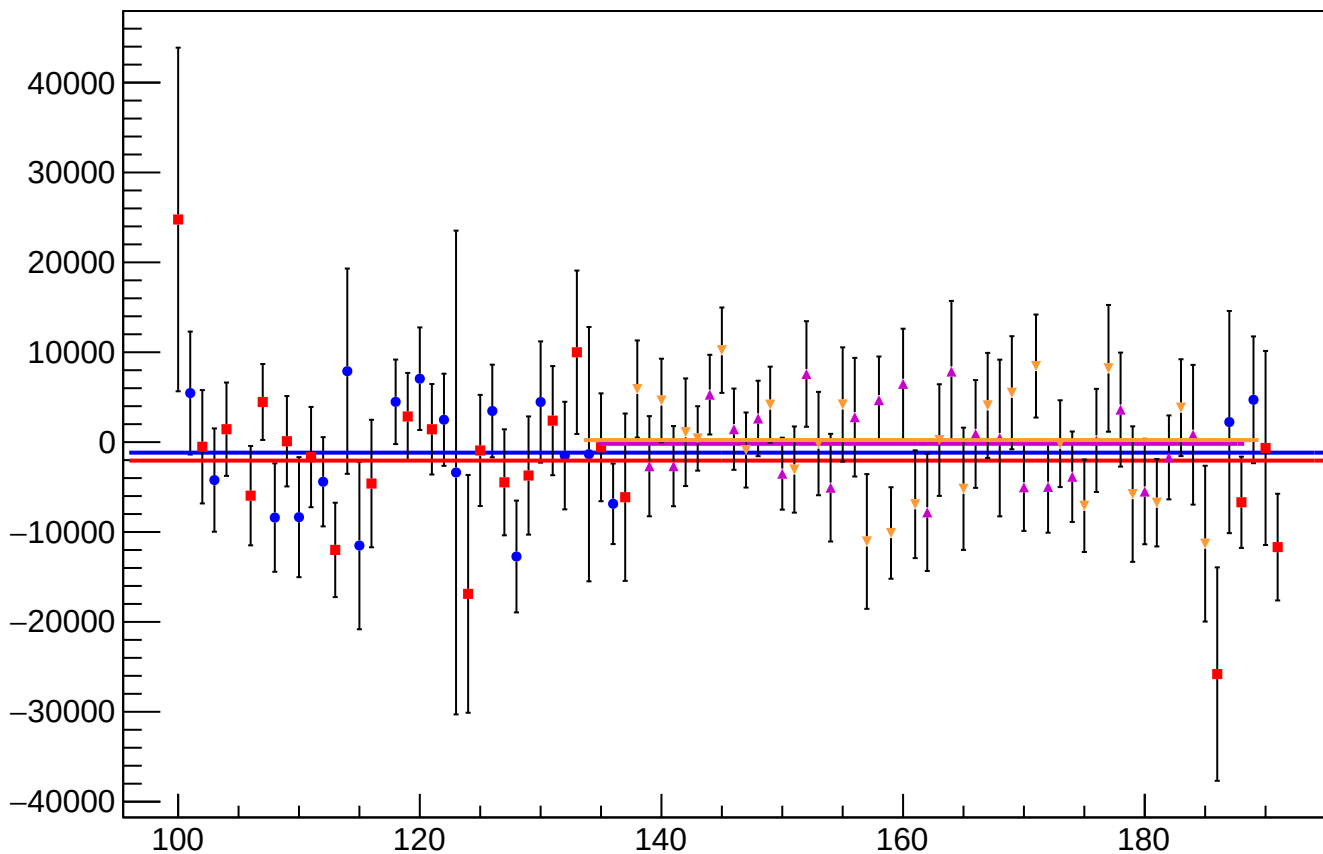
Right: 3691.147+/-1.817 χ^2/NDF : 676765.7/5

In: 4467.086+/-0.754 χ^2/NDF : 1133983.2/24

Out: 3972.453+/-0.662 χ^2/NDF : 3766954.3/28

All: 4187.725+/-0.497 χ^2/NDF : 5144135.8/53

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1171.205 $\pm$ 1456.137 χ^2 /NDF: 17.5/18

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

Right Out: -2053.435 $\pm$ 1281.639 χ^2 /NDF: 22.3/22

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

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

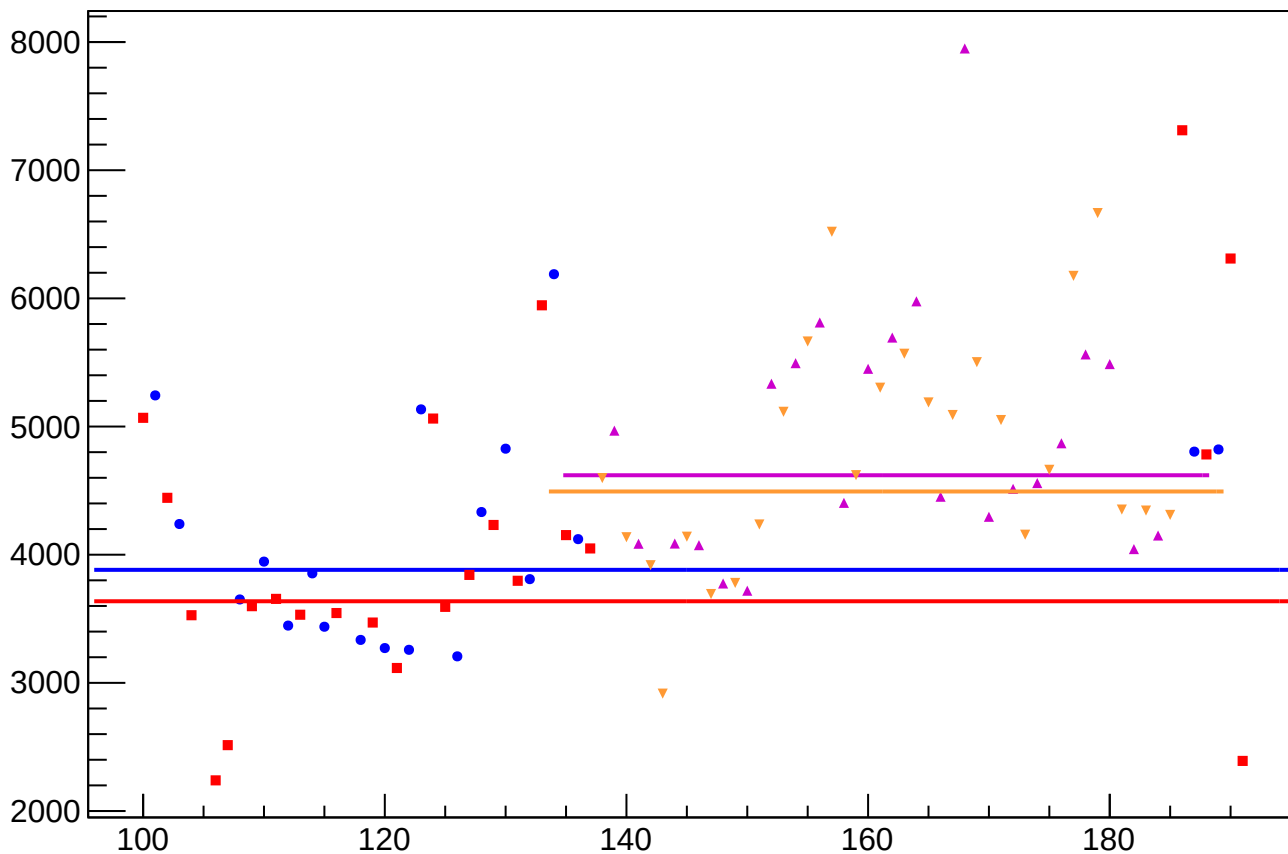
Right: -1668.323 $\pm$ 962.065 χ^2 /NDF: 40.0/41

In: -551.462 $\pm$ 887.419 χ^2 /NDF:32.0/41

Out: -711.569 $\pm$ 822.969 χ^2 /NDF:52.3/47

All: -637.540 $\pm$ 603.427 χ^2 /NDF: 84.4/89

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3881.866+/-1.030 χ^2/NDF : 383831.2/18

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

Right Out: 3636.726+/-0.899 χ^2/NDF : 1072309.4/22

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

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

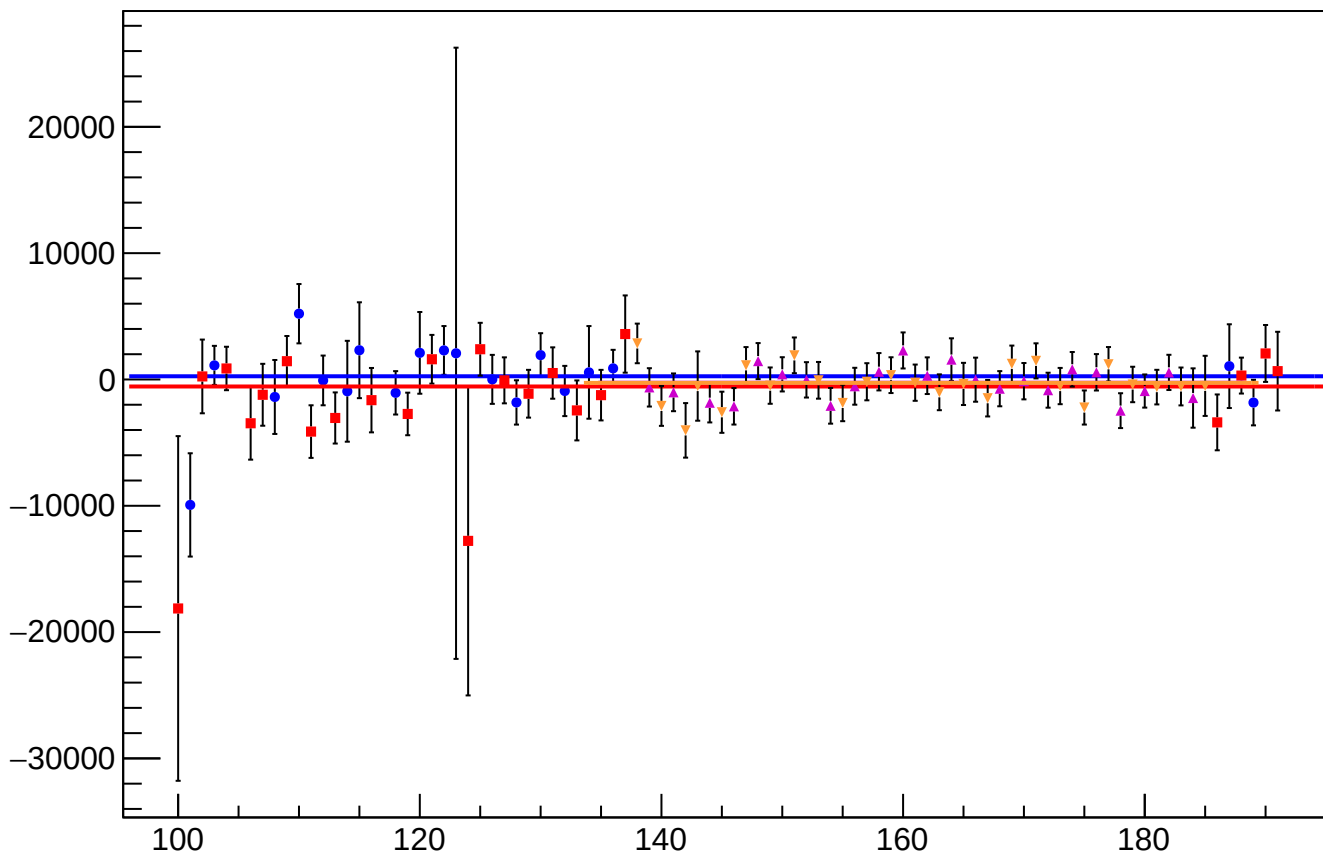
Right: 3742.786+/-0.677 χ^2/NDF : 1488301.4/41

In: 4345.811+/-0.627 χ^2/NDF :1708811.2/41

Out: 4136.841+/-0.580 χ^2/NDF :2911353.2/47

All: 4233.124+/-0.426 χ^2/NDF : 4679969.6/89

dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 253.459 +/- 500.915 χ^2/NDF : 18.0/18

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

Right Out: -555.618 +/- 454.514 χ^2/NDF : 21.6/22

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

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

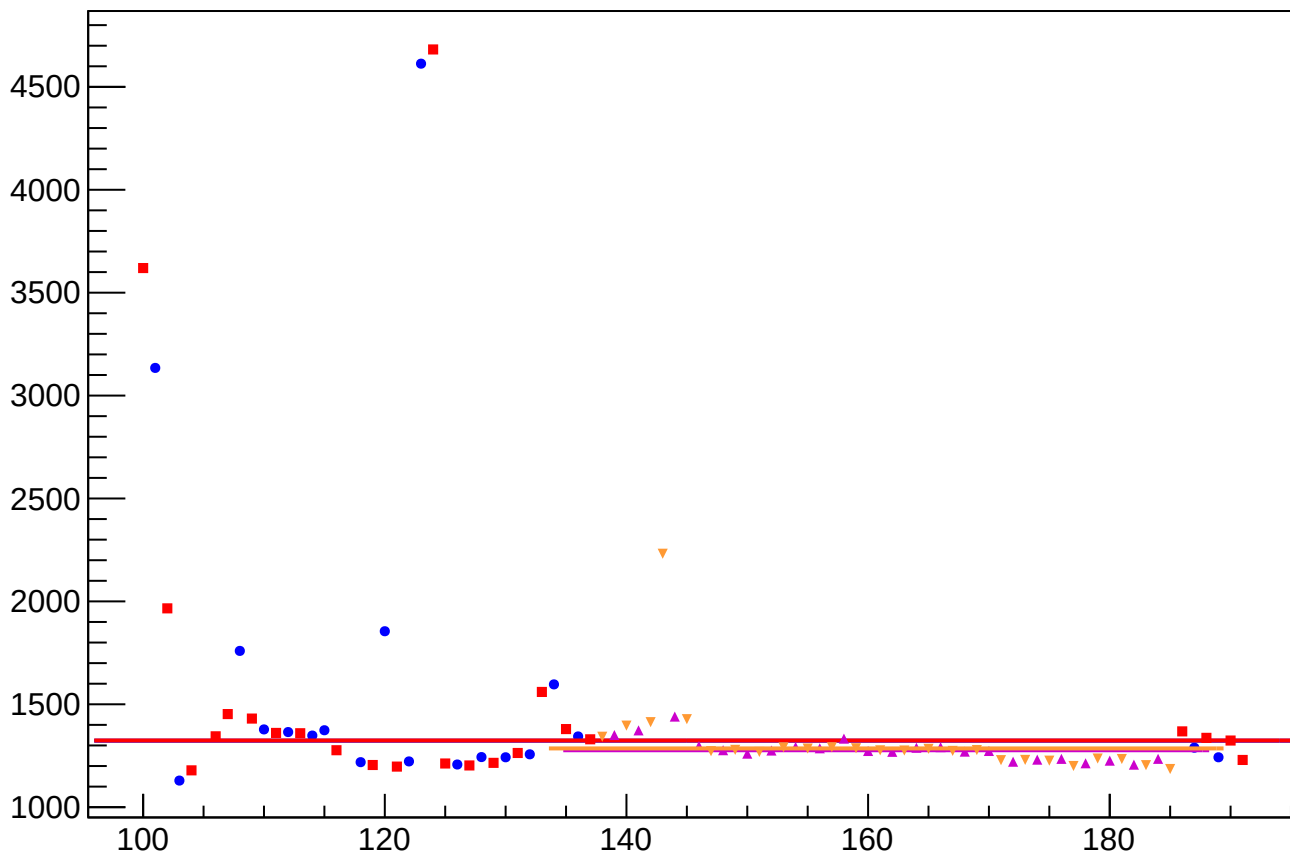
Right: -190.281 +/- 336.602 χ^2/NDF : 41.1/41

In: -119.683 +/- 260.689 χ^2/NDF : 34.8/41

Out: -357.852 +/- 251.554 χ^2/NDF : 44.1/47

All: -243.013 +/- 181.019 χ^2/NDF : 79.3/89

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1323.122+/-0.354 χ^2/NDF : 608112.6/18

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

Right Out: 1324.157+/-0.321 χ^2/NDF : 397237.8/22

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

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

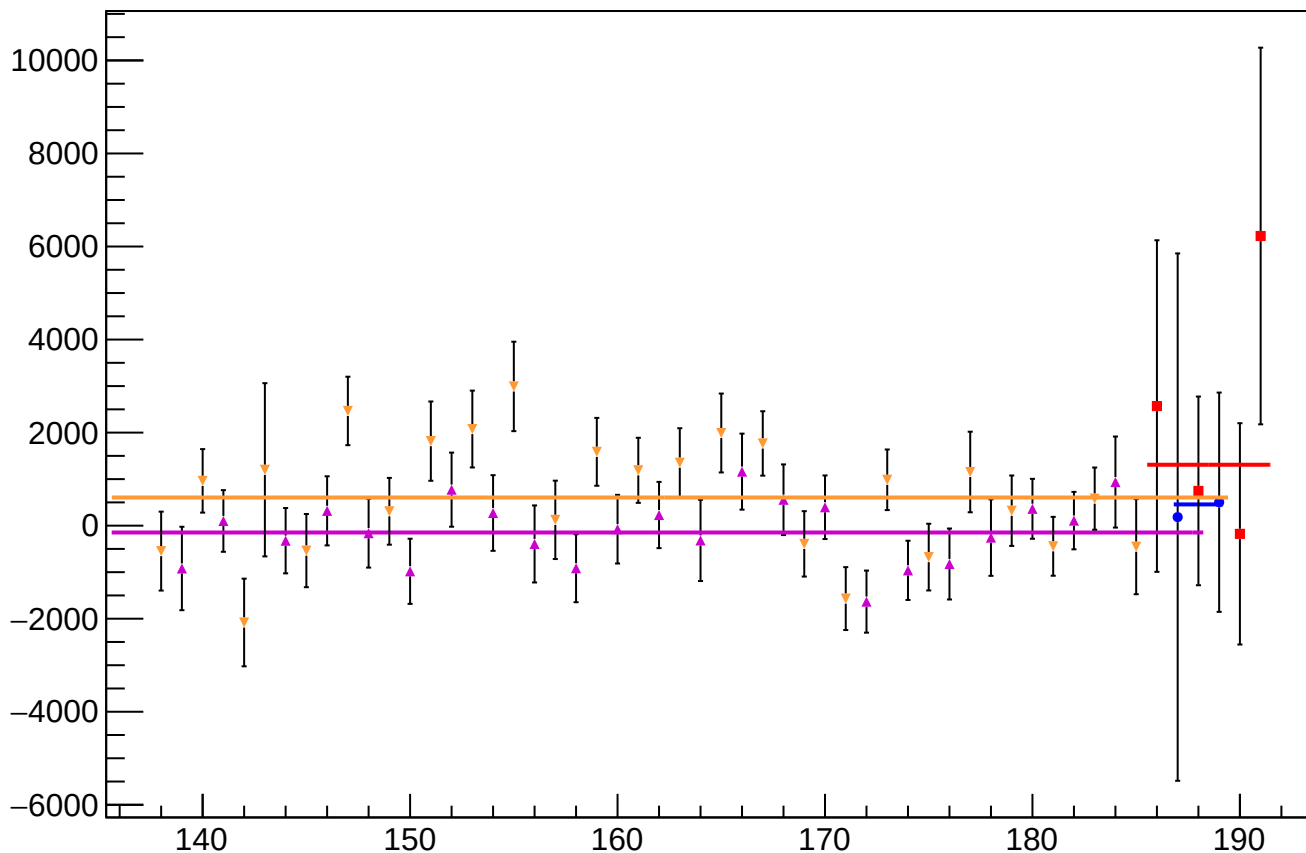
Right: 1323.690+/-0.238 χ^2/NDF : 1005355.0/41

In: 1289.313+/-0.184 χ^2/NDF : 680041.7/41

Out: 1297.393+/-0.178 χ^2/NDF : 713292.7/47

All: 1293.497+/-0.128 χ^2/NDF : 1394329.3/89

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



Right In: 456.645 $\pm$ 2176.030 χ^2 /NDF: 0.0/1

Left Out: 605.167 $\pm$ 153.922 χ^2 /NDF:60.0/24

Right Out: 1309.240 $\pm$ 1336.715 χ^2 /NDF: 2.1/3

Left In: -147.044 $\pm$ 154.051 χ^2 /NDF:19.4/22

Left: 229.377 $\pm$ 108.885 χ^2 /NDF: 91.3/47

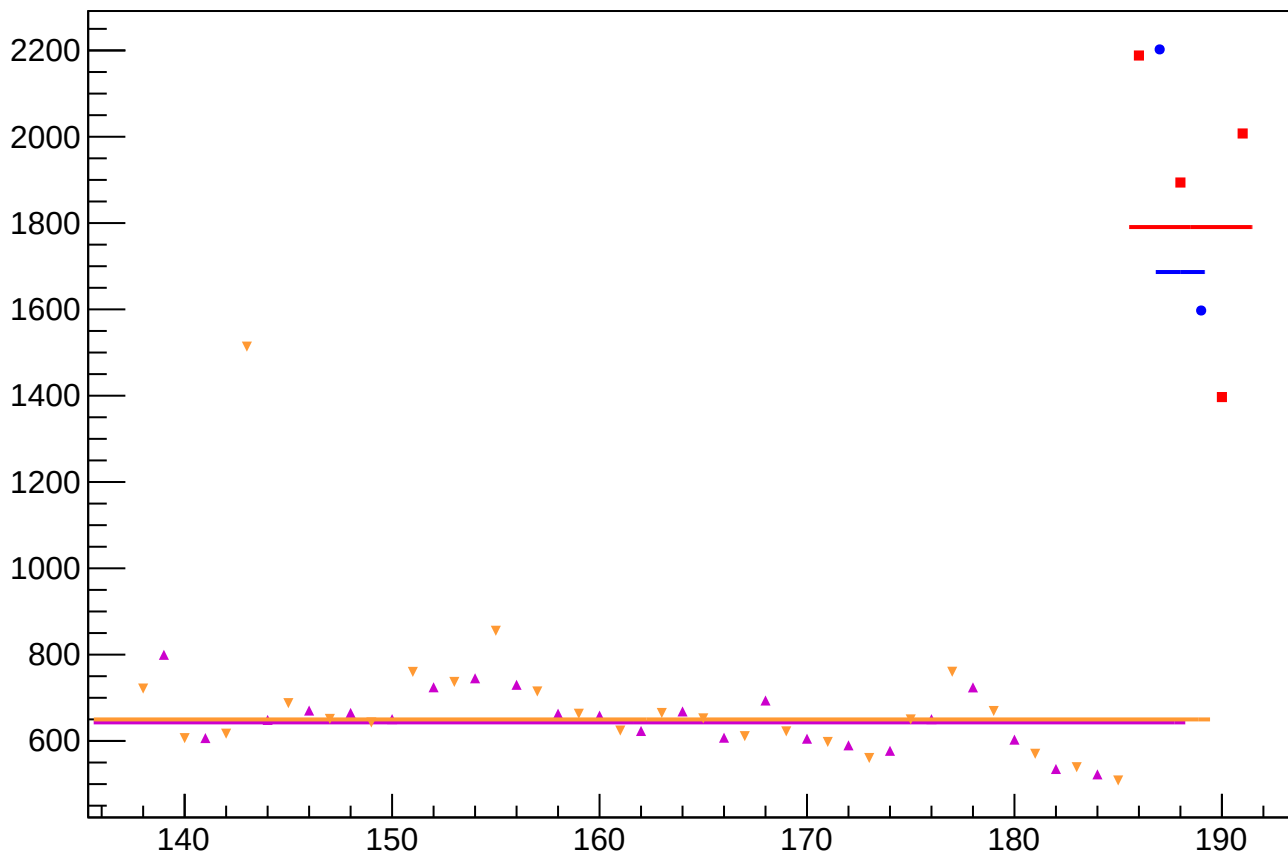
Right: 1075.655 $\pm$ 1138.980 χ^2 /NDF: 2.2/5

In: -144.034 $\pm$ 153.667 χ^2 /NDF:19.4/24

Out: 614.380 $\pm$ 152.912 χ^2 /NDF:62.3/28

All: 237.041 $\pm$ 108.391 χ^2 /NDF: 94.0/53

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



Right In: 1686.570+/-1.539 χ^2/NDF : 19427.8/1

Left Out: 649.866+/-0.109 χ^2/NDF : 840823.5/24

Right Out: 1790.745+/-0.945 χ^2/NDF : 90656.0/3

Left In: 643.008+/-0.109 χ^2/NDF : 323844.6/22

Left: 646.440+/-0.077 χ^2/NDF : 1166651.7/47

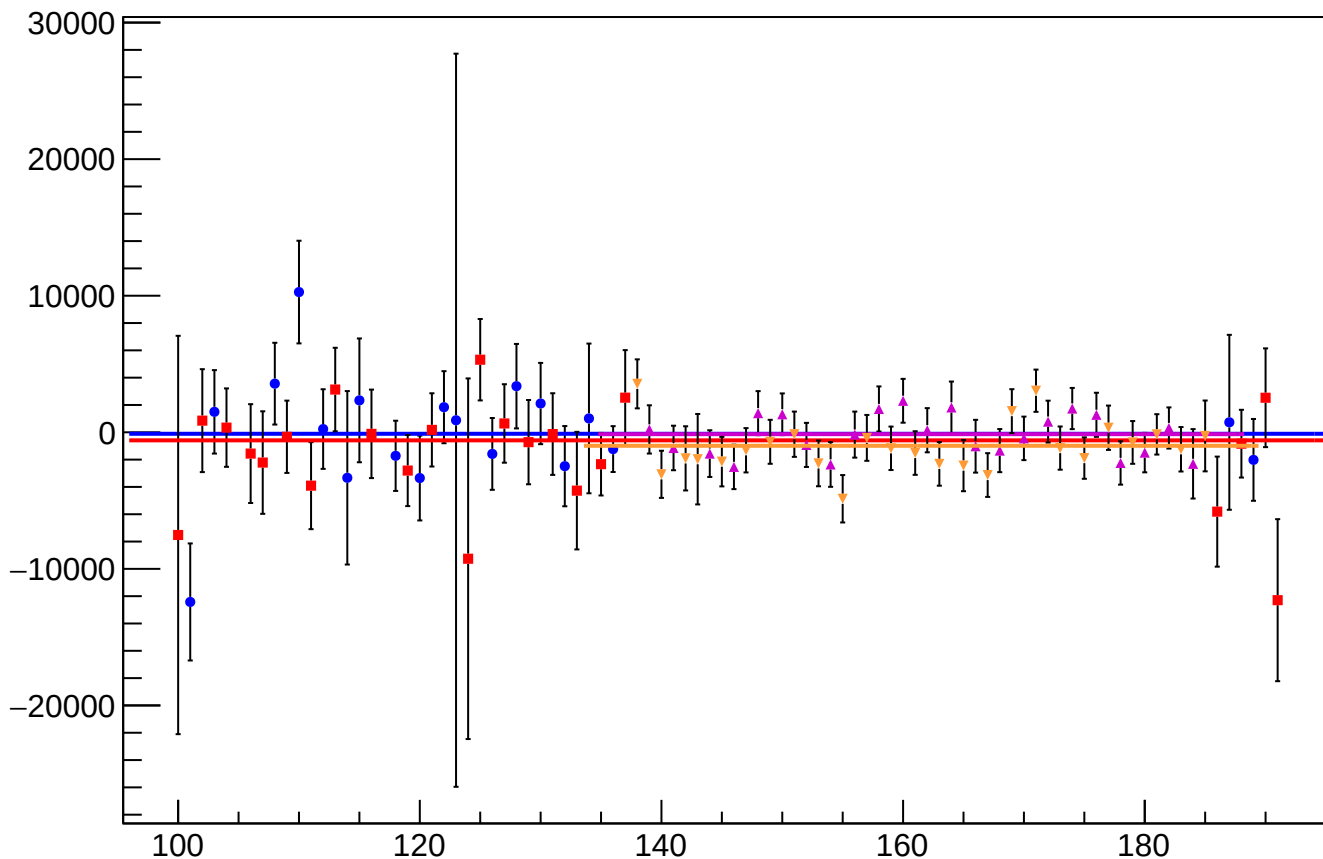
Right: 1762.204+/-0.805 χ^2/NDF : 113411.9/5

In: 648.212+/-0.109 χ^2/NDF : 800956.0/24

Out: 664.796+/-0.108 χ^2/NDF : 2369321.0/28

All: 656.545+/-0.077 χ^2/NDF : 3181980.8/53

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: -109.094+/-718.463 χ^2/NDF : 24.0/18

Left Out: -987.247+/-339.757 χ^2/NDF : 28.5/24

Right Out: -590.156+/-676.259 χ^2/NDF : 17.1/22

Left In: -137.780+/-342.262 χ^2/NDF : 18.8/22

Left: -565.633+/-241.125 χ^2/NDF : 50.4/47

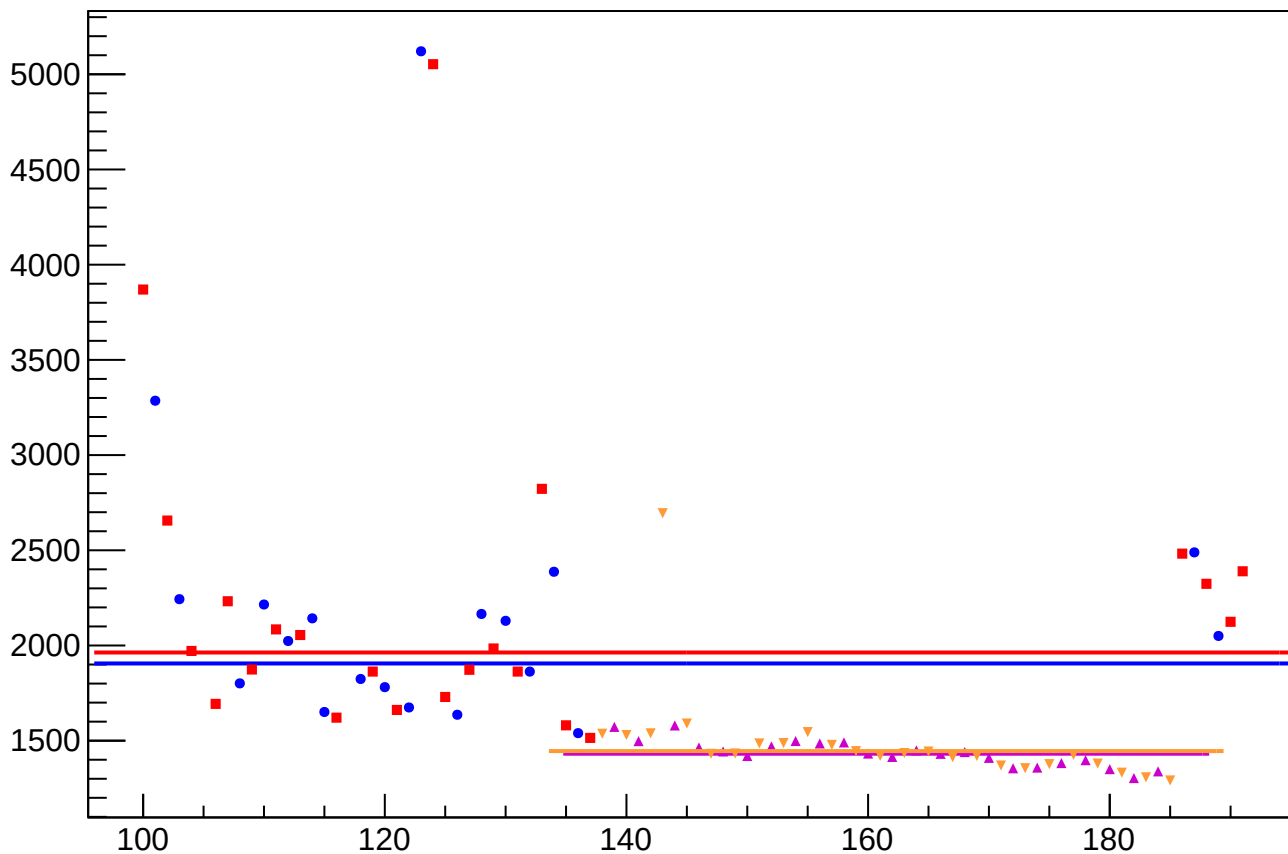
Right: -364.169+/-492.432 χ^2/NDF : 41.3/41

In: -132.474+/-308.992 χ^2/NDF : 42.8/41

Out: -907.217+/-303.595 χ^2/NDF : 45.9/47

All: -526.670+/-216.557 χ^2/NDF : 91.9/89

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



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

Left Out: 1445.418 $\pm$ 0.240 χ^2 /NDF: 374859.2/24

Right Out: 1963.205 $\pm$ 0.478 χ^2 /NDF: 565532.2/22

Left In: 1431.663 $\pm$ 0.242 χ^2 /NDF: 77792.5/22

Left: 1438.591 $\pm$ 0.171 χ^2 /NDF: 454278.6/47

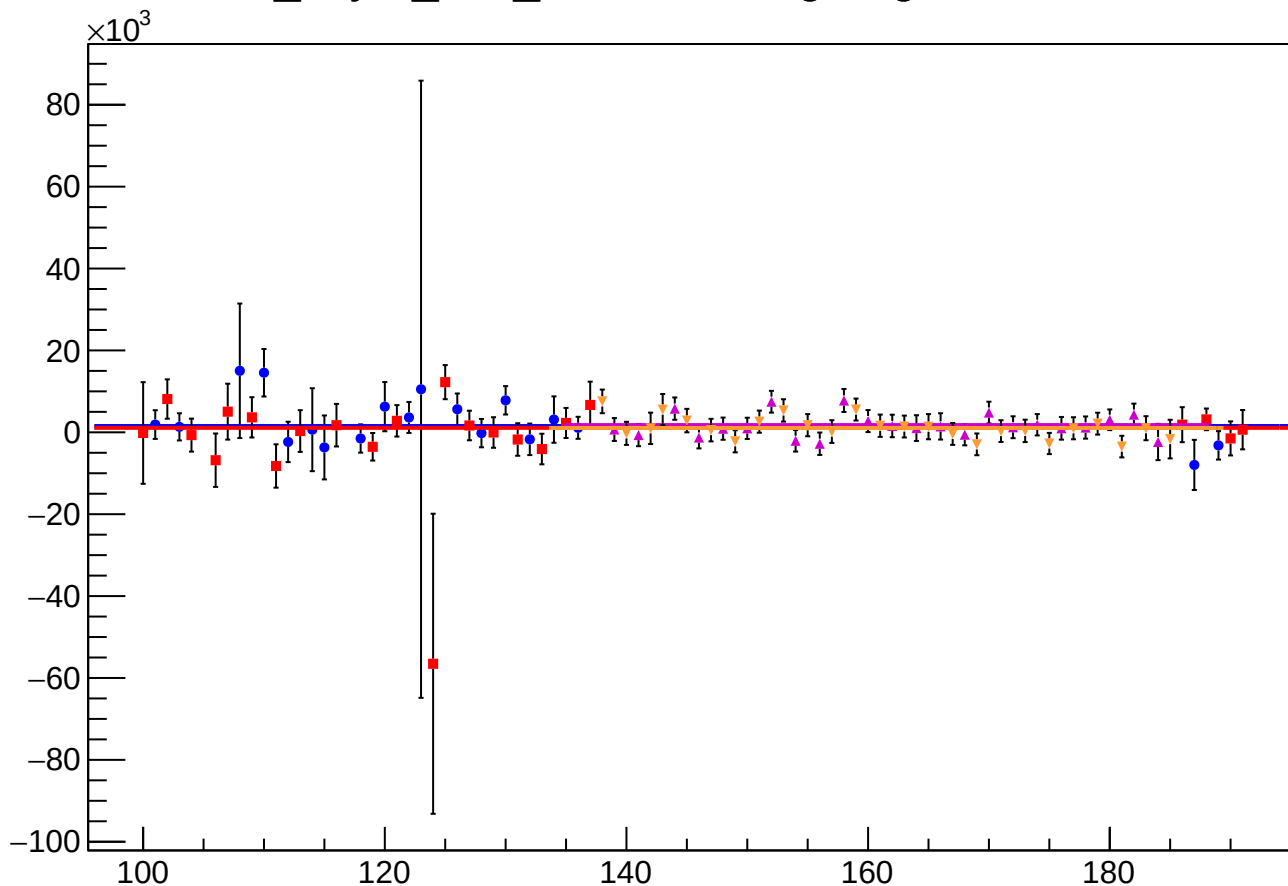
Right: 1936.167 $\pm$ 0.348 χ^2 /NDF: 1060458.2/41

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

Out: 1549.775 $\pm$ 0.215 χ^2 /NDF: 1876590.7/47

All: 1534.823 $\pm$ 0.153 χ^2 /NDF: 3161852.4/89

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1530.358 $\pm$ 982.681 χ^2 /NDF: 18.3/18

Left Out: 1057.276 $\pm$ 566.243 χ^2 /NDF:22.7/24

Right Out: 1093.930 $\pm$ 908.582 χ^2 /NDF: 24.0/22

Left In: 1762.122 $\pm$ 574.660 χ^2 /NDF:23.2/22

Left: 1404.499 $\pm$ 403.337 χ^2 /NDF: 46.7/47

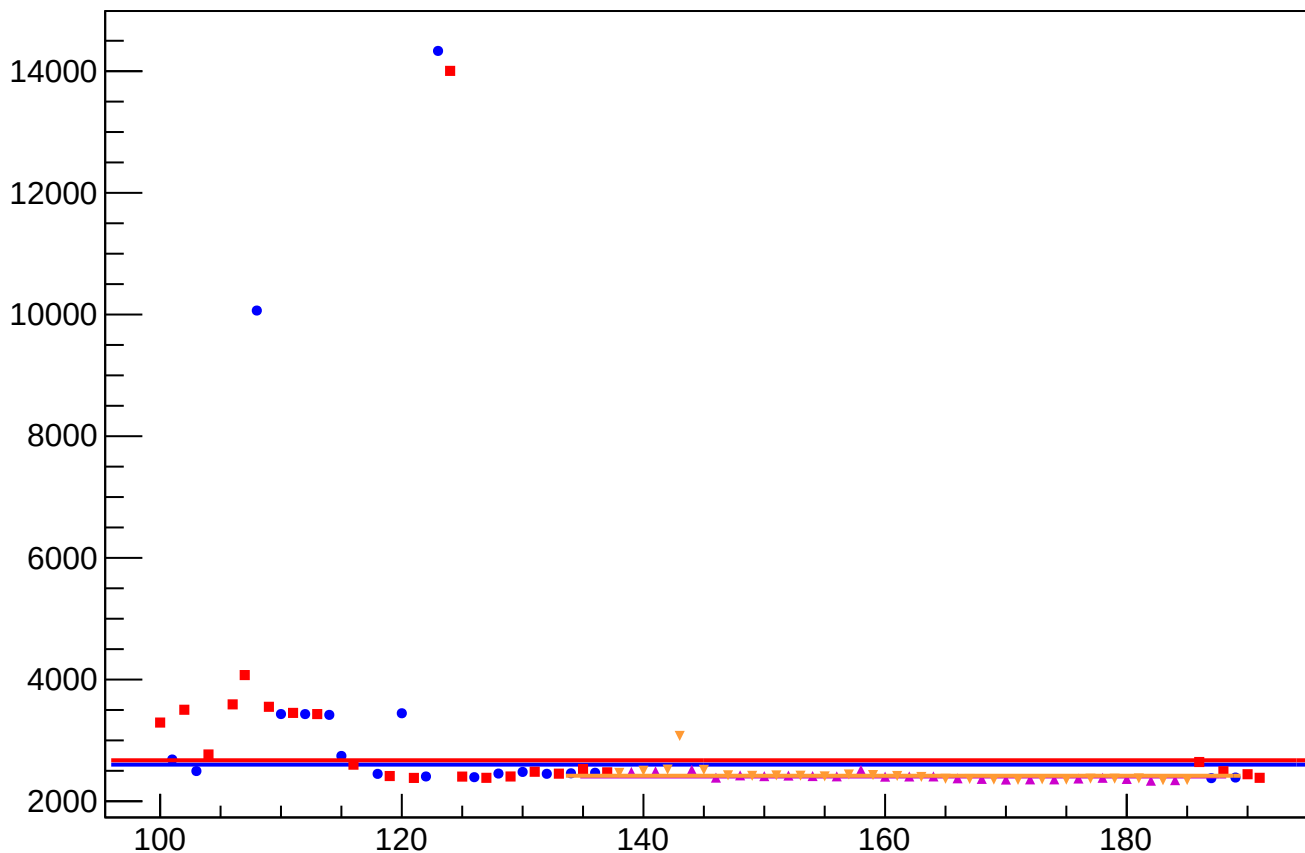
Right: 1295.071 $\pm$ 667.124 χ^2 /NDF: 42.3/41

In: 1703.061 $\pm$ 496.065 χ^2 /NDF:41.5/41

Out: 1067.530 $\pm$ 480.558 χ^2 /NDF:46.6/47

All: 1375.207 $\pm$ 345.158 χ^2 /NDF: 89.0/89

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2602.085 $\pm$ 0.695 χ^2 /NDF: 655749.5/18

Left Out: 2418.972 $\pm$ 0.400 χ^2 /NDF: 74779.7/24

Right Out: 2673.238 $\pm$ 0.642 χ^2 /NDF: 626920.5/22

Left In: 2406.443 $\pm$ 0.406 χ^2 /NDF: 15245.2/22

Left: 2412.800 $\pm$ 0.285 χ^2 /NDF: 90507.2/47

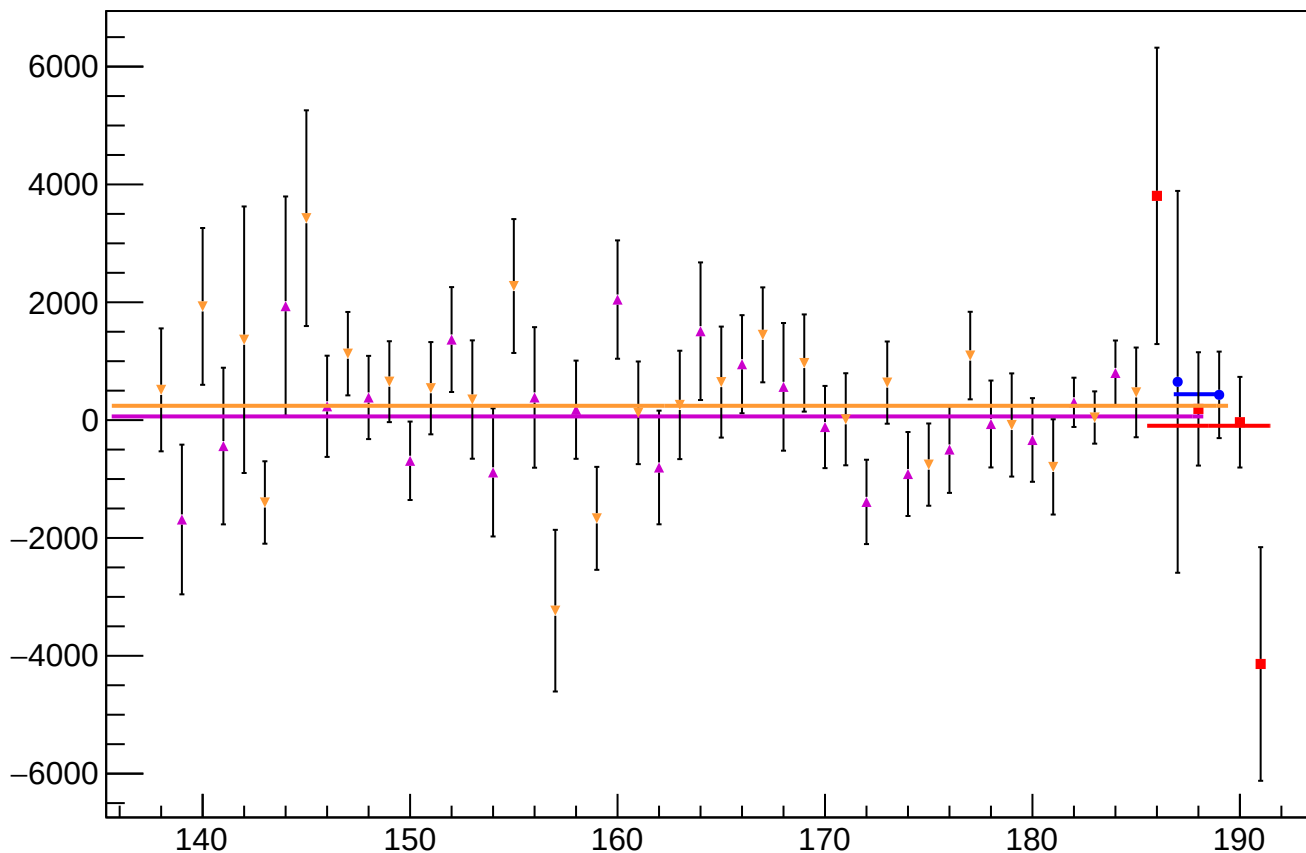
Right: 2640.445 $\pm$ 0.472 χ^2 /NDF: 1288322.8/41

In: 2456.299 $\pm$ 0.351 χ^2 /NDF: 730067.1/41

Out: 2490.102 $\pm$ 0.340 χ^2 /NDF: 814514.0/47

All: 2473.737 $\pm$ 0.244 χ^2 /NDF: 1549371.9/89

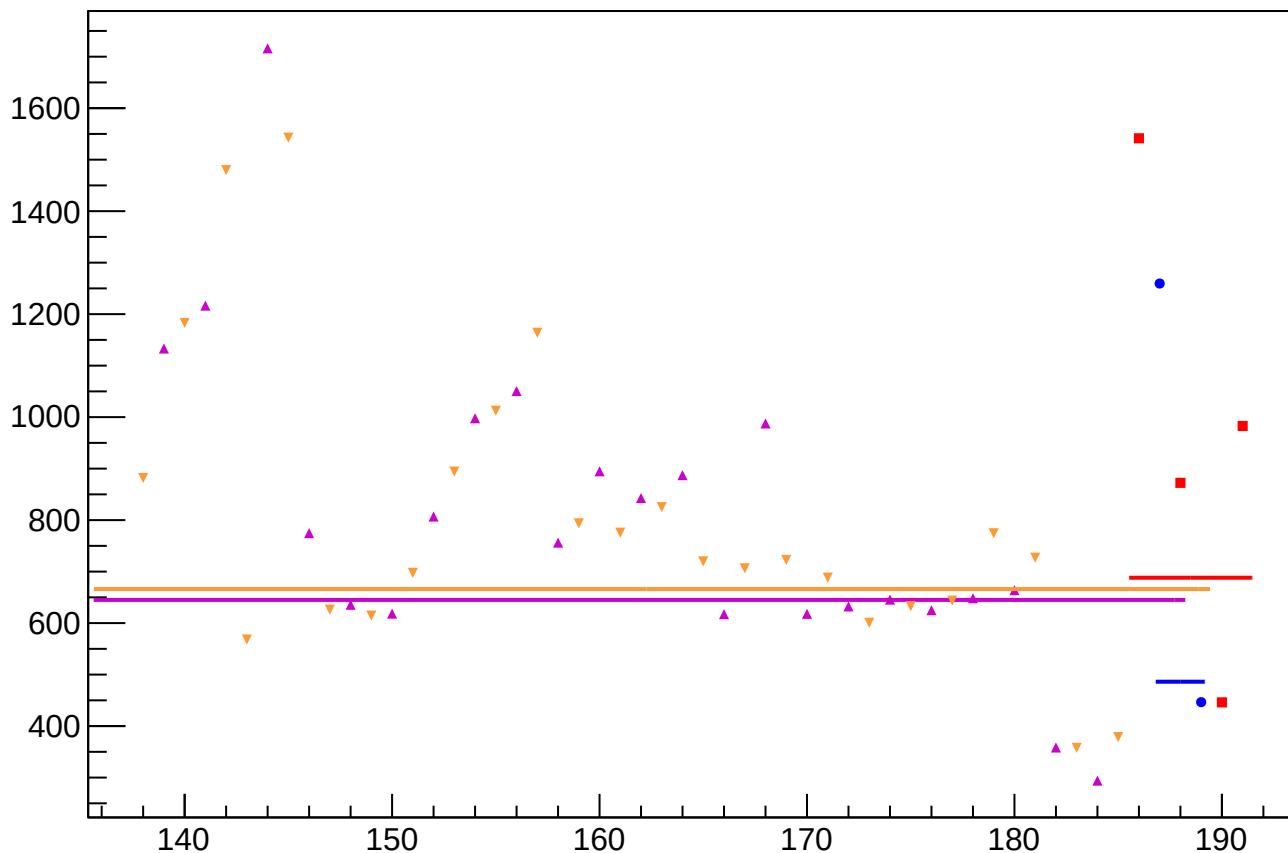
asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: 439.428+/-715.917 χ^2/NDF : 0.0/1
 Left Out: 243.135+/-163.940 χ^2/NDF :36.0/24
 Right Out: -95.945+/-560.456 χ^2/NDF : 6.7/3
 Left In: 62.569+/-164.169 χ^2/NDF :24.3/22

Left: 152.978+/-116.004 χ^2/NDF : 60.9/47
 Right: 107.487+/-441.310 χ^2/NDF : 7.0/5
 In: 81.396+/-160.016 χ^2/NDF :24.5/24
 Out: 216.409+/-157.347 χ^2/NDF :43.0/28
 All: 150.038+/-112.193 χ^2/NDF : 67.9/53

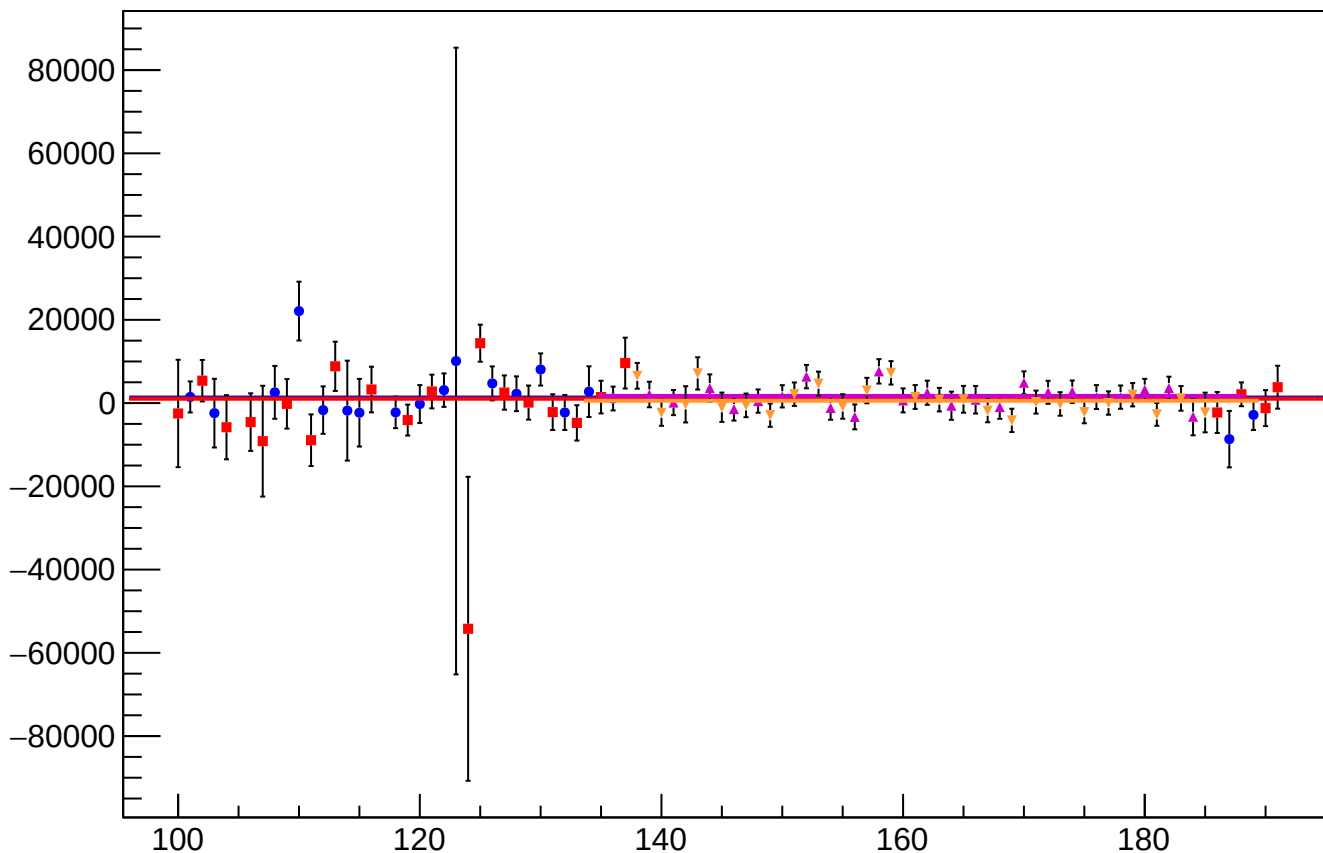
asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 486.157+/-0.506 χ^2/NDF : 119730.6/1
 Left Out: 666.133+/-0.116 χ^2/NDF : 3190574.7/24
 Right Out: 688.091+/-0.396 χ^2/NDF : 545901.0/3
 Left In: 645.011+/-0.116 χ^2/NDF : 4176295.6/22

Left: 655.587+/-0.082 χ^2/NDF : 7383446.0/47
 Right: 611.360+/-0.312 χ^2/NDF : 764289.2/5
 In: 637.075+/-0.113 χ^2/NDF : 4389577.2/24
 Out: 667.864+/-0.111 χ^2/NDF : 3739303.8/28
 All: 652.728+/-0.079 χ^2/NDF : 8166524.2/53

asym_atl1_mean vs Slug, Sign Corrected



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

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

Right Out: 1048.235 $\pm$ 1018.056 χ^2 /NDF: 26.5/22

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

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

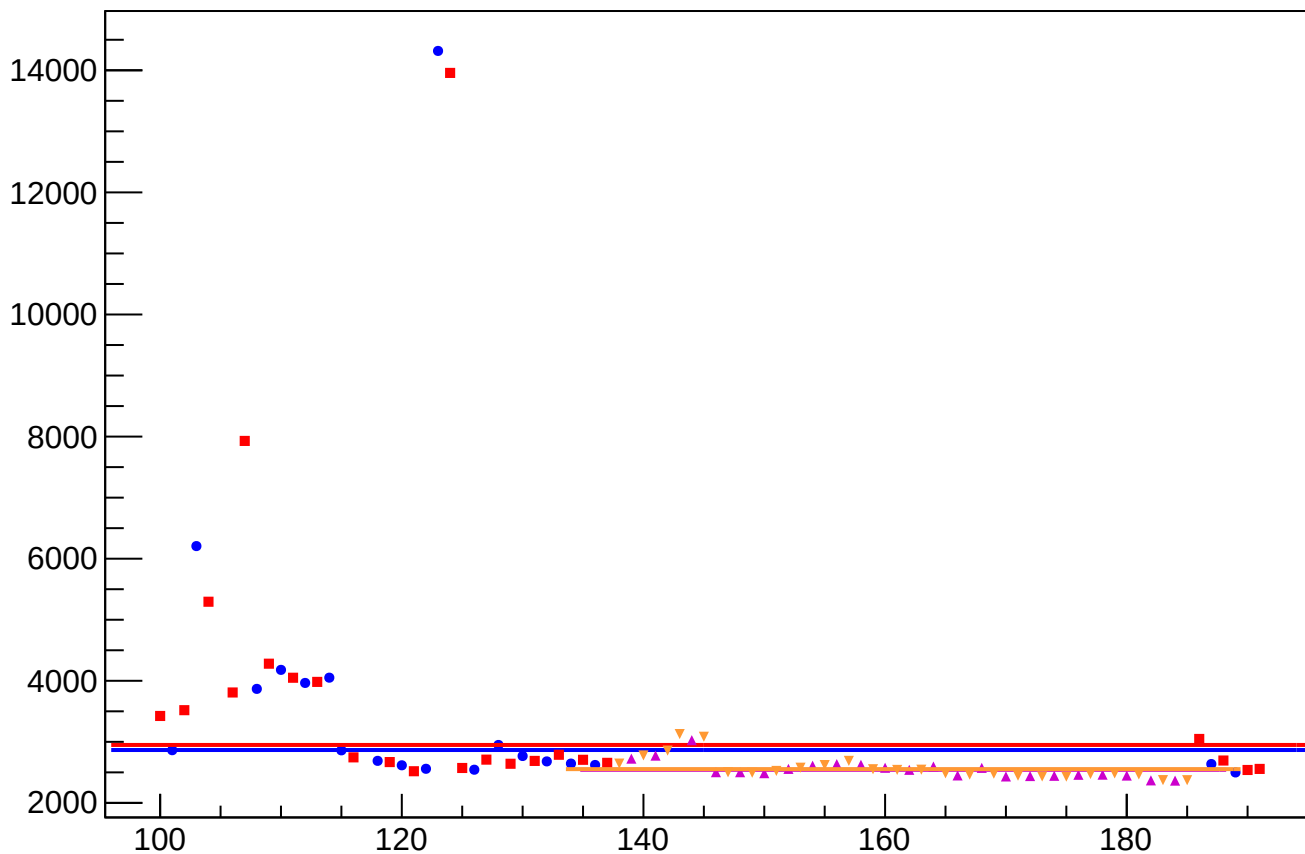
Right: 1180.783 $\pm$ 741.904 χ^2 /NDF: 45.2/41

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

Out: 690.377 $\pm$ 515.823 χ^2 /NDF:51.8/47

All: 1143.396 $\pm$ 369.675 χ^2 /NDF: 90.3/89

asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2553.097+/-0.423 χ^2/NDF : 148430.5/24

Right Out: 2949.155+/-0.720 χ^2/NDF : 1069124.1/22

Left In: 2541.950+/-0.430 χ^2/NDF : 97238.4/22

Left: 2547.611+/-0.301 χ^2/NDF : 246010.6/47

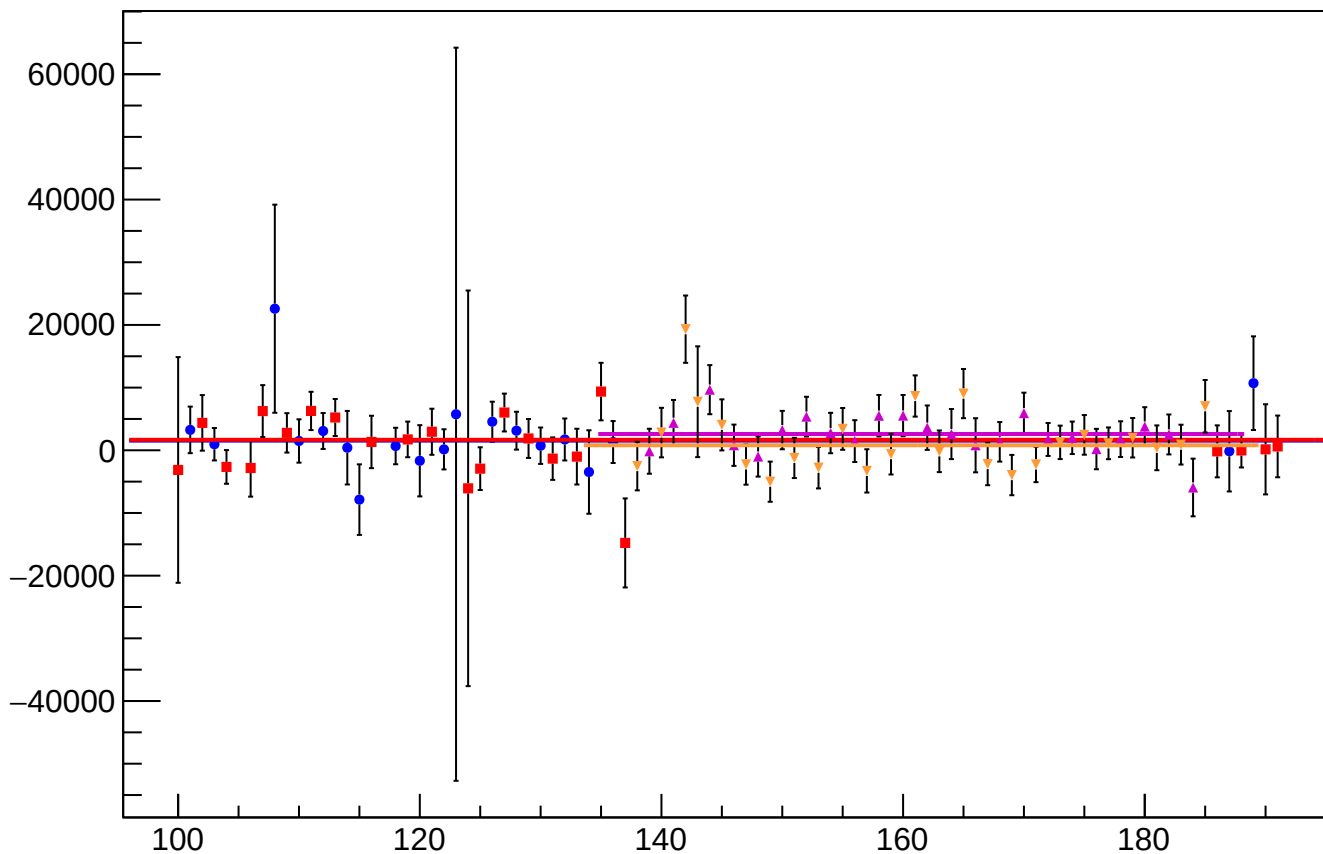
Right: 2910.217+/-0.525 χ^2/NDF : 1742932.7/41

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

Out: 2654.773+/-0.365 χ^2/NDF : 1442542.1/47

All: 2637.639+/-0.261 χ^2/NDF : 2348081.1/89

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1548.918 $\pm$ 874.536 χ^2 /NDF: 9.0/18

Left Out: 807.297 $\pm$ 677.513 χ^2 /NDF:39.1/24

Right Out: 1672.747 $\pm$ 781.629 χ^2 /NDF: 23.2/22

Left In: 2595.551 $\pm$ 683.824 χ^2 /NDF:14.0/22

Left: 1693.134 $\pm$ 481.290 χ^2 /NDF: 56.6/47

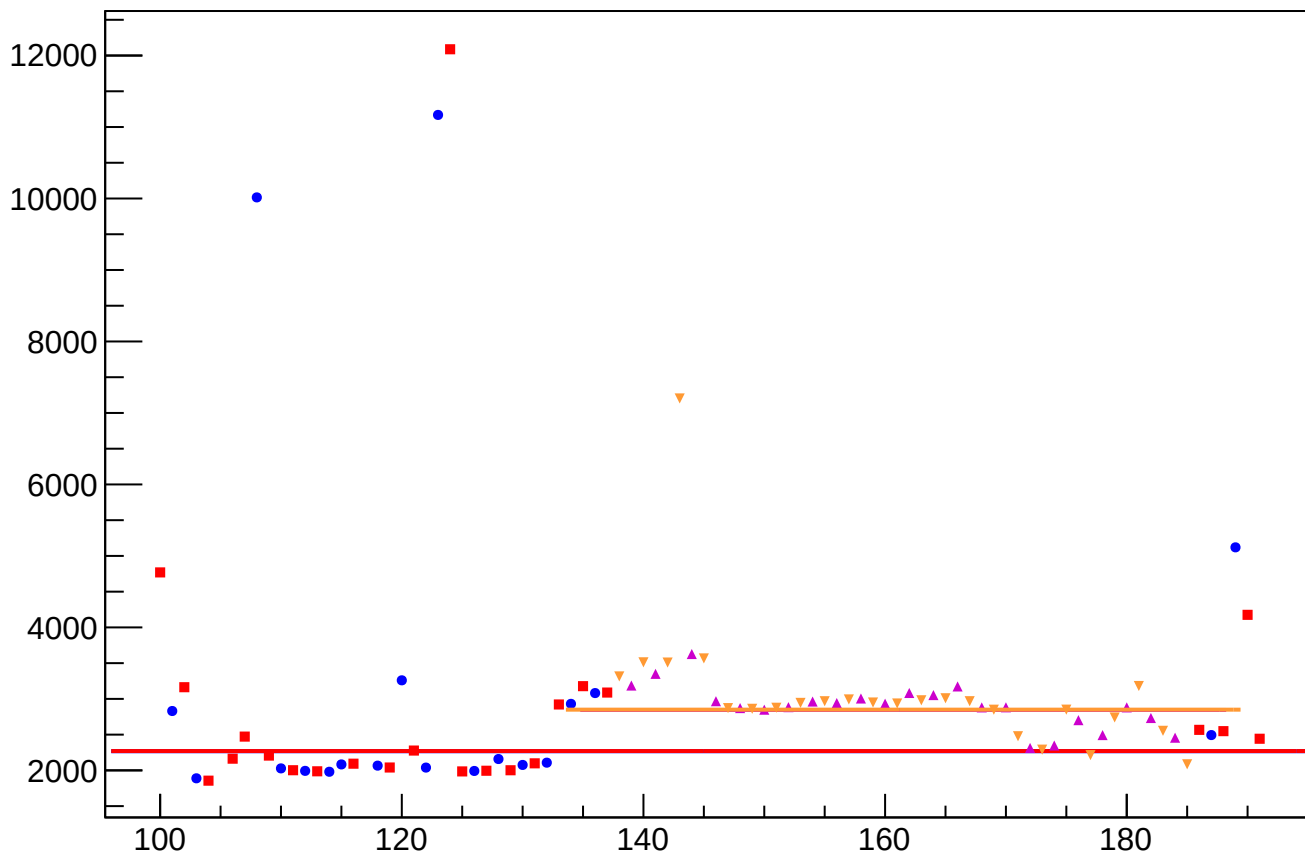
Right: 1617.757 $\pm$ 582.784 χ^2 /NDF: 32.2/41

In: 2198.432 $\pm$ 538.693 χ^2 /NDF:23.9/41

Out: 1178.582 $\pm$ 511.957 χ^2 /NDF:63.0/47

All: 1662.571 $\pm$ 371.100 χ^2 /NDF: 88.8/89

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2267.855 ± 0.618 $\chi^2/\text{NDF}: 1149276.6/18$

Left Out: 2849.256 ± 0.479 $\chi^2/\text{NDF}: 1034478.3/24$

Right Out: 2270.237 ± 0.552 $\chi^2/\text{NDF}: 790728.9/22$

Left In: 2844.779 ± 0.484 $\chi^2/\text{NDF}: 383776.8/22$

Left: 2847.038 ± 0.340 $\chi^2/\text{NDF}: 1418298.4/47$

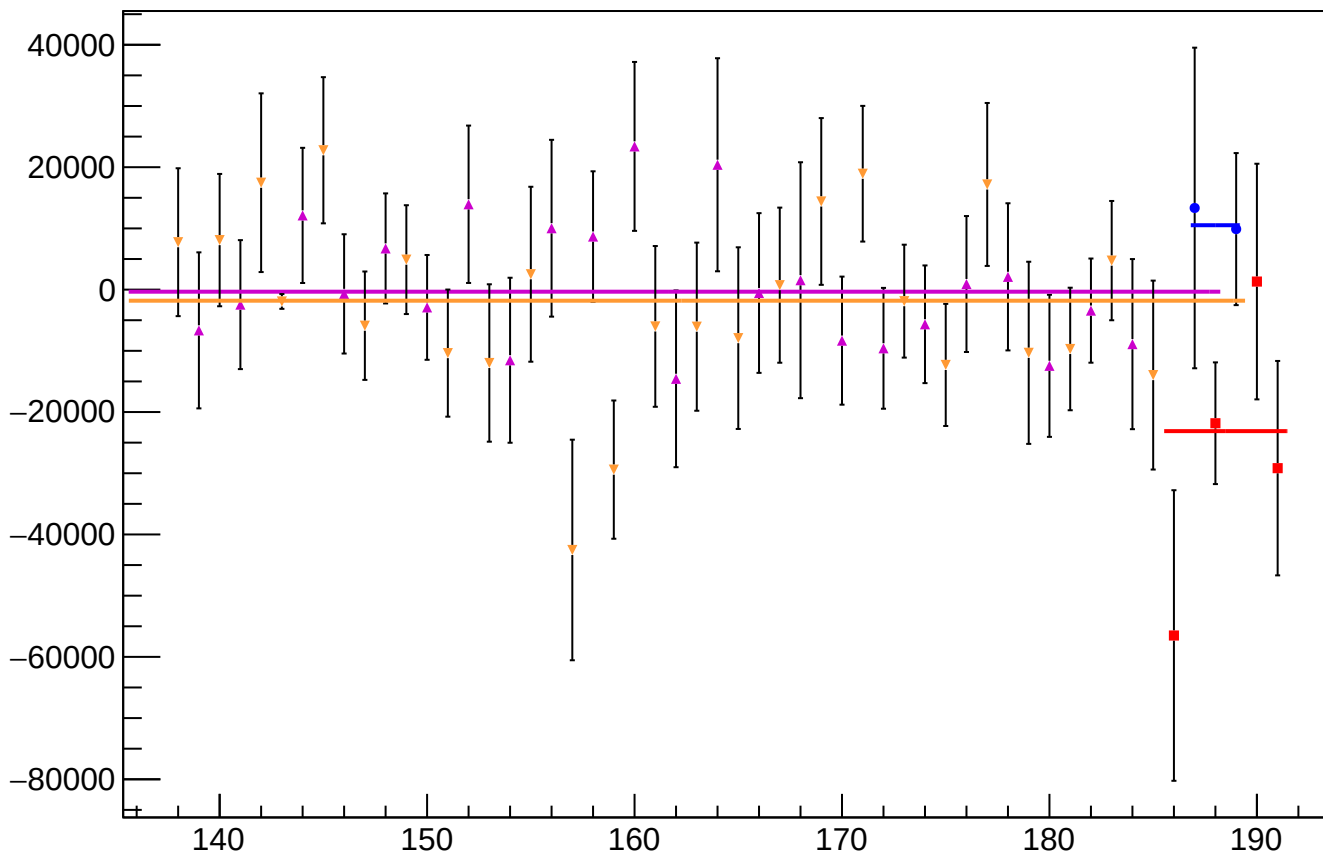
Right: 2269.180 ± 0.412 $\chi^2/\text{NDF}: 1940013.8/41$

In: 2625.879 ± 0.381 $\chi^2/\text{NDF}: 2073191.9/41$

Out: 2600.679 ± 0.362 $\chi^2/\text{NDF}: 2452323.3/47$

All: 2612.635 ± 0.262 $\chi^2/\text{NDF}: 4527815.4/89$

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: 10521.291+/-11222.668 χ^2/NDF : 0.0/1

Left Out: -1810.593+/-1078.173 χ^2/NDF :31.2/24

Right Out: -23118.083+/-7484.764 χ^2/NDF : 3.7/3

Left In: -339.260+/-2365.986 χ^2/NDF :14.2/22

Left: -1557.594+/-981.106 χ^2/NDF : 45.7/47

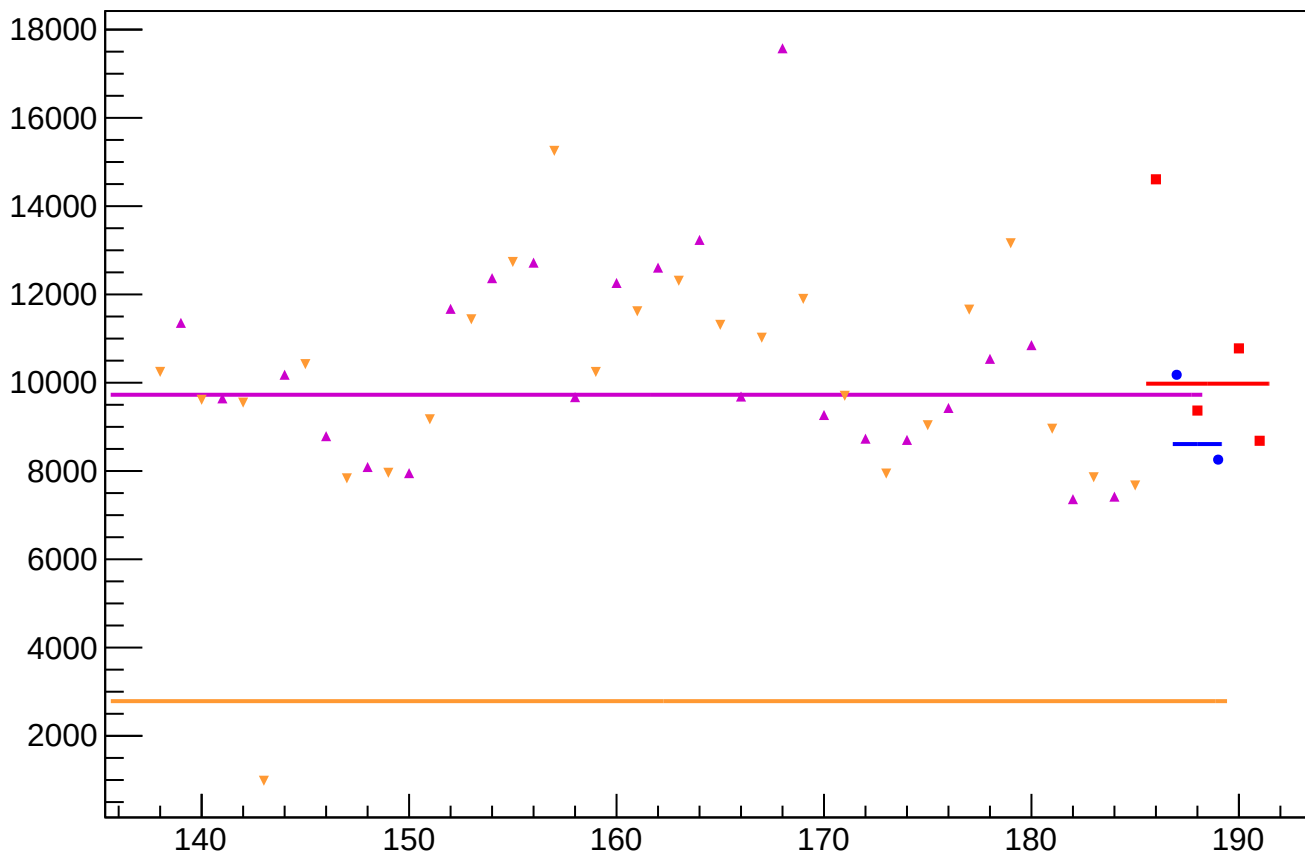
Right: -12761.788+/-6226.935 χ^2/NDF : 10.0/5

In: 122.906+/-2315.097 χ^2/NDF :15.1/24

Out: -2243.738+/-1067.158 χ^2/NDF :42.9/28

All: -1828.997+/-969.151 χ^2/NDF : 58.8/53

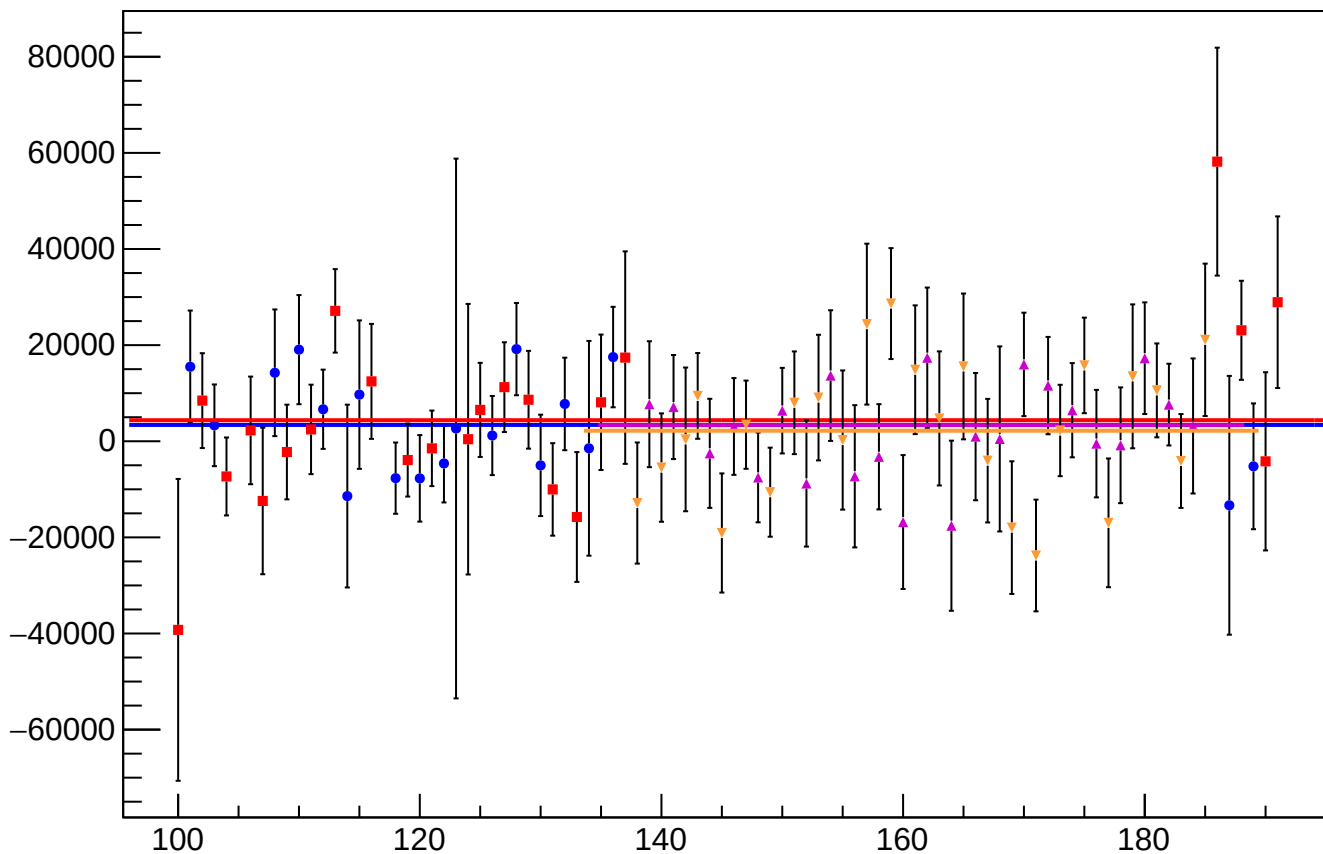
asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 8610.592+/-7.936 χ^2/NDF : 8795.1/1
 Left Out: 2786.461+/-0.762 χ^2/NDF :22863045.3/24
 Right Out: 9978.253+/-5.293 χ^2/NDF : 97951.8/3
 Left In: 9727.255+/-1.673 χ^2/NDF :1261406.7/22

Left: 3979.946+/-0.694 χ^2/NDF : 38376569.5/47
 Right: 9557.202+/-4.403 χ^2/NDF : 127305.2/5
 In: 9679.736+/-1.637 χ^2/NDF :1289160.0/24
 Out: 2932.658+/-0.755 χ^2/NDF :24769955.3/28
 All: 4115.046+/-0.685 χ^2/NDF : 40069445.7/5

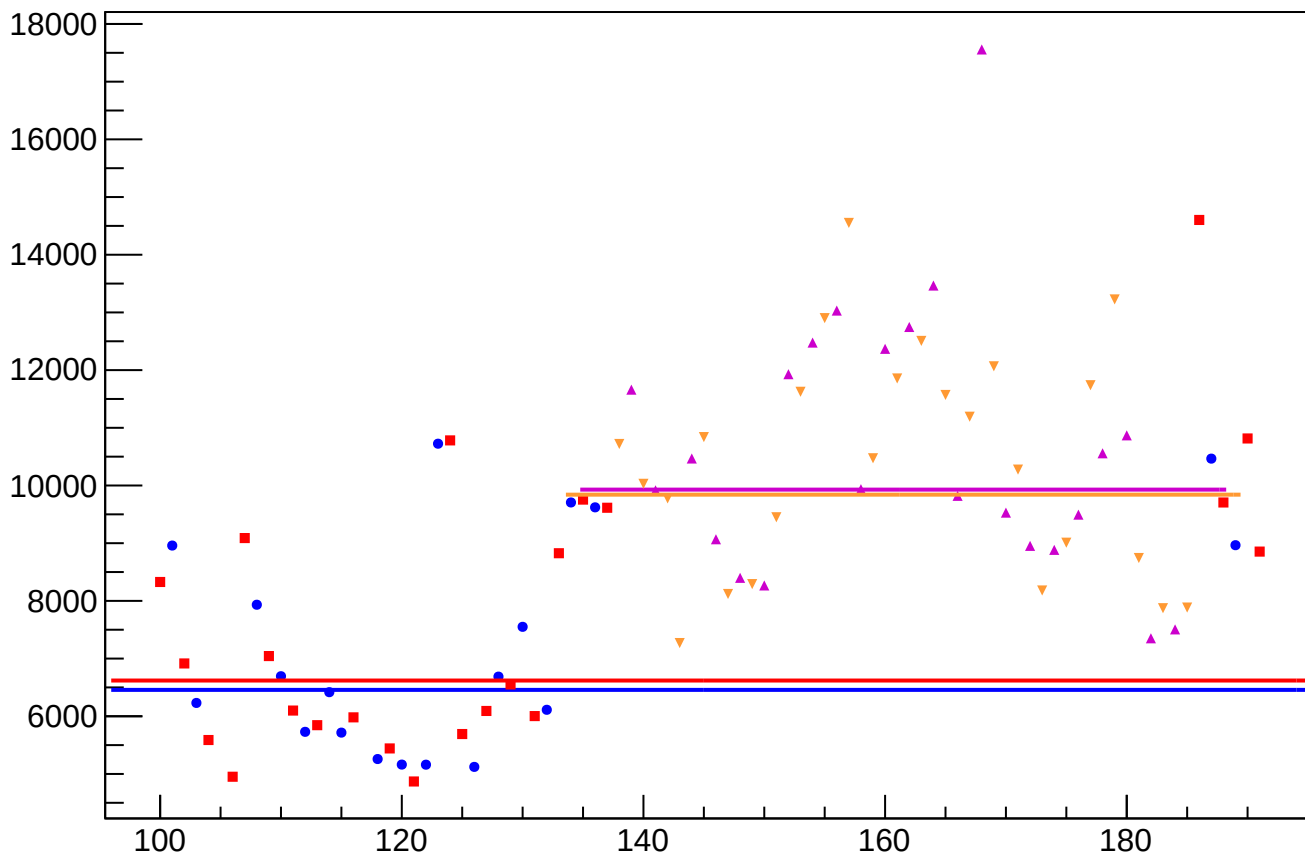
asym_atl2_mean vs Slug, Sign Corrected



Right In: 3398.132 ± 2453.667 $\chi^2/\text{NDF}: 15.6/18$
Left Out: 2192.629 ± 2346.604 $\chi^2/\text{NDF}: 31.2/24$
Right Out: 4381.223 ± 2307.527 $\chi^2/\text{NDF}: 31.2/22$
Left In: 3362.489 ± 2413.842 $\chi^2/\text{NDF}: 12.8/22$

Left: 2761.039 ± 1682.568 $\chi^2/\text{NDF}: 44.1/47$
Right: 3919.824 ± 1680.959 $\chi^2/\text{NDF}: 46.9/41$
In: 3380.019 ± 1720.752 $\chi^2/\text{NDF}: 28.4/41$
Out: 3305.301 ± 1645.310 $\chi^2/\text{NDF}: 62.8/47$
All: 3340.986 ± 1189.186 $\chi^2/\text{NDF}: 91.2/89$

asym_atl2_rms vs Slug, Sign Corrected



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

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

Right Out: 6619.488+/-1.632 χ^2/NDF : 1120833.9/22

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

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

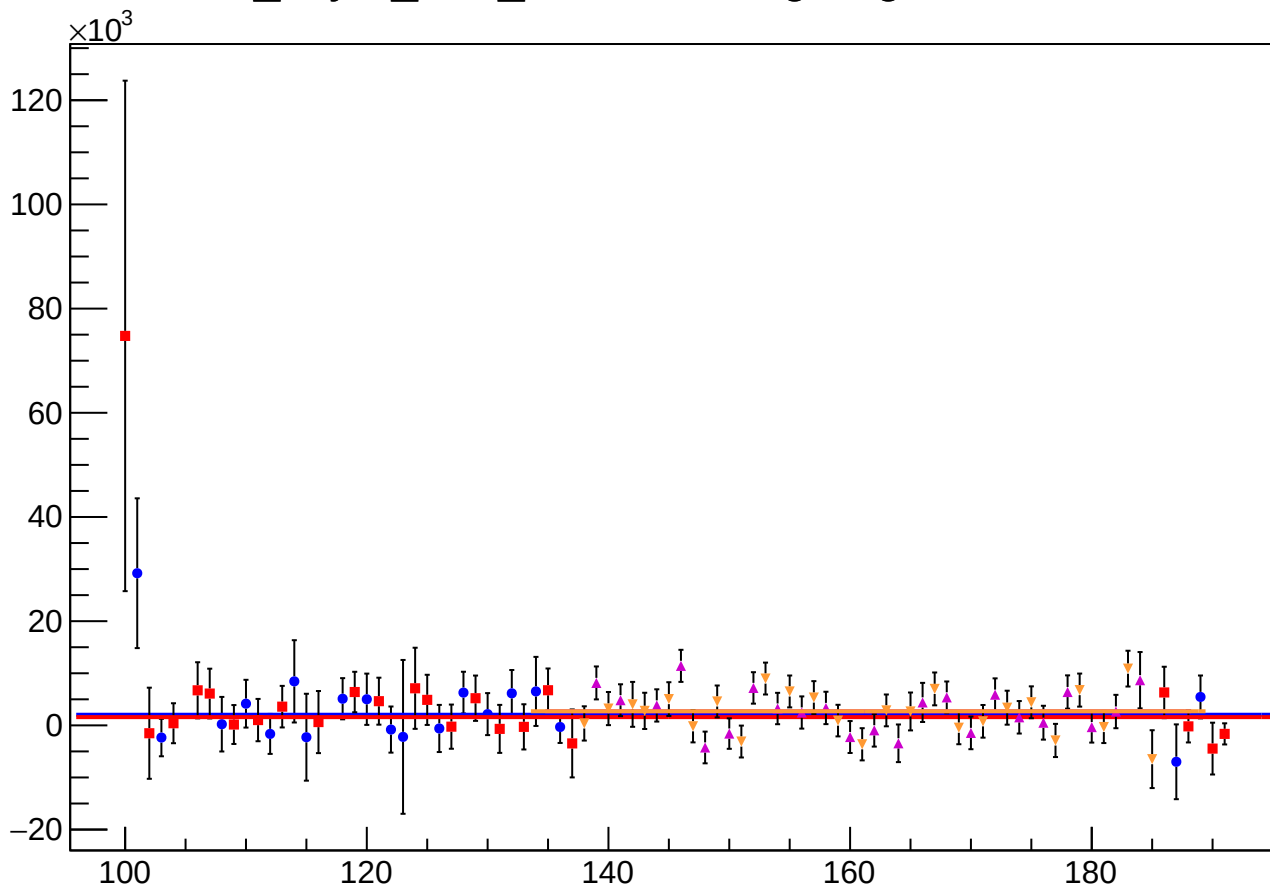
Right: 6543.352+/-1.189 χ^2/NDF : 1841780.8/41

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

Out: 8203.241+/-1.163 χ^2/NDF : 4222285.8/47

All: 8211.892+/-0.841 χ^2/NDF : 8193879.1/89

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2039.735 $\pm$ 1080.993 χ^2/NDF : 14.3/18

Left Out: 2712.564 $\pm$ 648.832 χ^2/NDF : 34.7/24

Right Out: 1581.514 $\pm$ 884.986 χ^2/NDF : 16.4/22

Left In: 2697.794 $\pm$ 662.544 χ^2/NDF : 36.1/22

Left: 2705.333 $\pm$ 463.565 χ^2/NDF : 70.8/47

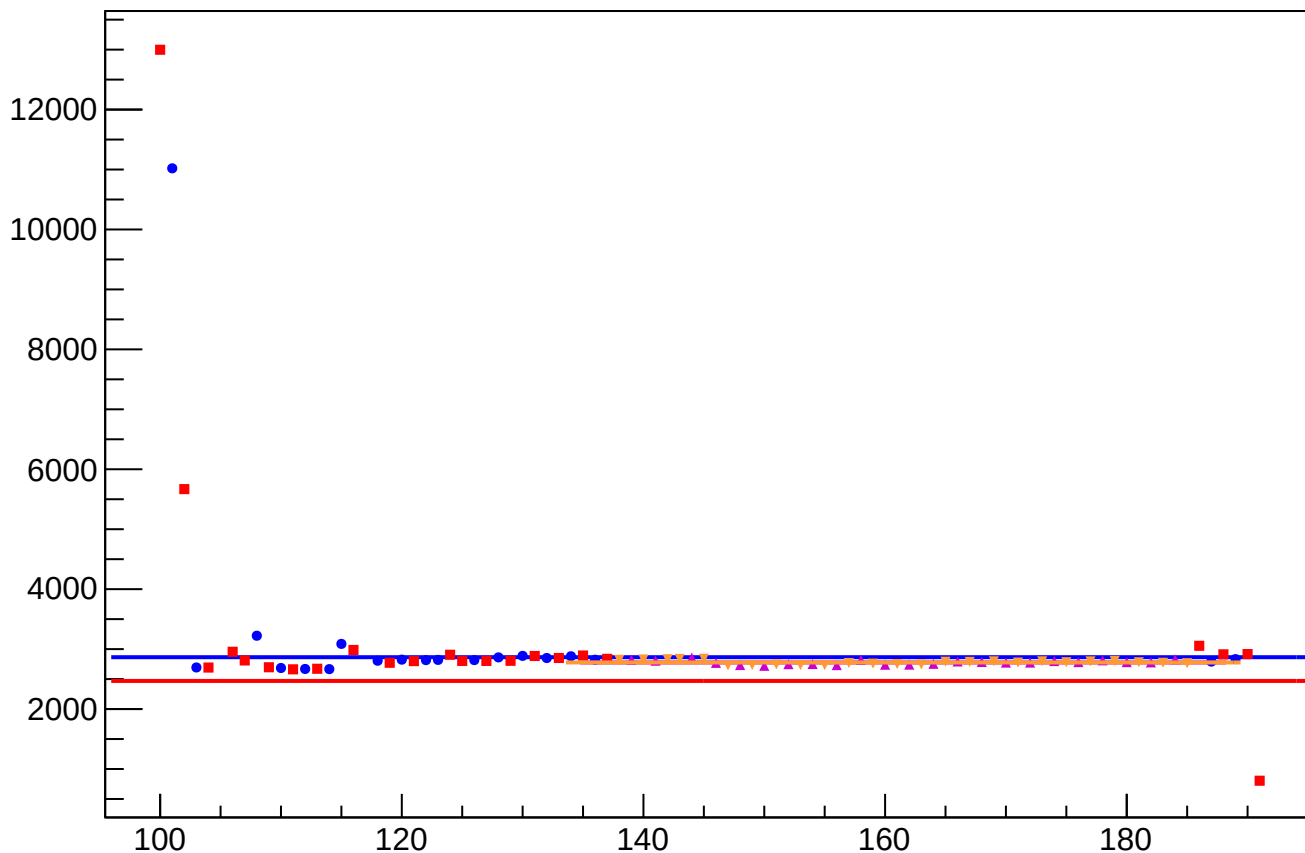
Right: 1765.390 $\pm$ 684.775 χ^2/NDF : 30.8/41

In: 2518.097 $\pm$ 564.886 χ^2/NDF : 50.6/41

Out: 2317.148 $\pm$ 523.266 χ^2/NDF : 52.1/47

All: 2409.948 $\pm$ 383.876 χ^2/NDF : 102.8/89

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2864.945+/-0.764 χ^2/NDF : 670256.1/18

Left Out: 2777.450+/-0.459 χ^2/NDF : 5253.1/24

Right Out: 2469.156+/-0.626 χ^2/NDF : 1979227.4/22

Left In: 2777.355+/-0.468 χ^2/NDF : 5488.7/22

Left: 2777.404+/-0.328 χ^2/NDF : 10741.8/47

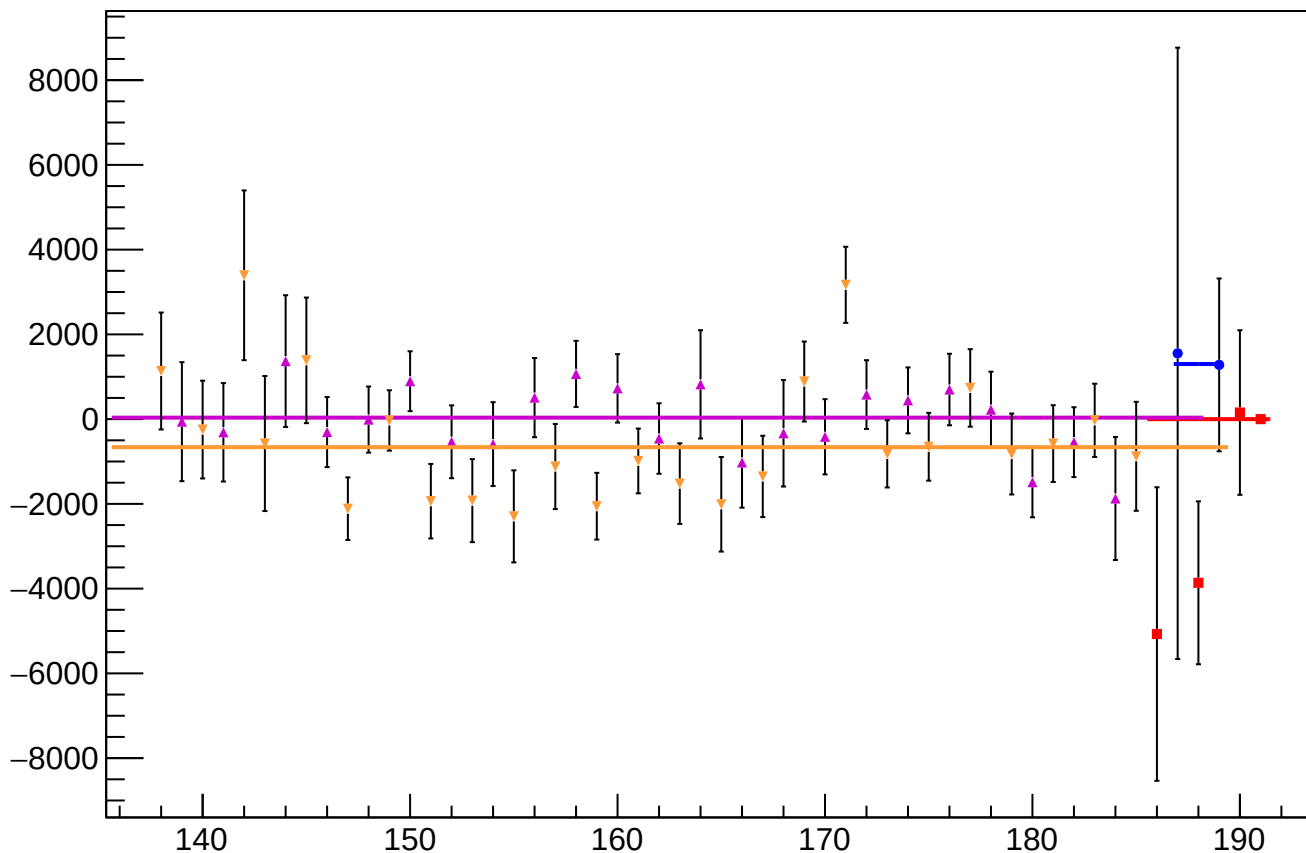
Right: 2627.979+/-0.484 χ^2/NDF : 2810005.3/41

In: 2801.273+/-0.399 χ^2/NDF : 685290.1/41

Out: 2669.671+/-0.370 χ^2/NDF : 2142339.1/47

All: 2730.446+/-0.271 χ^2/NDF : 2886051.2/89

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: 1300.185 $\pm$ 1962.467 χ^2 /NDF: 0.0/1

Left Out: -661.759 $\pm$ 190.222 χ^2 /NDF:48.7/24

Right Out: -0.268 $\pm$ 4.105 χ^2 /NDF: 6.2/3

Left In: 35.366 $\pm$ 190.553 χ^2 /NDF:15.1/22

Left: -313.803 $\pm$ 134.624 χ^2 /NDF: 70.5/47

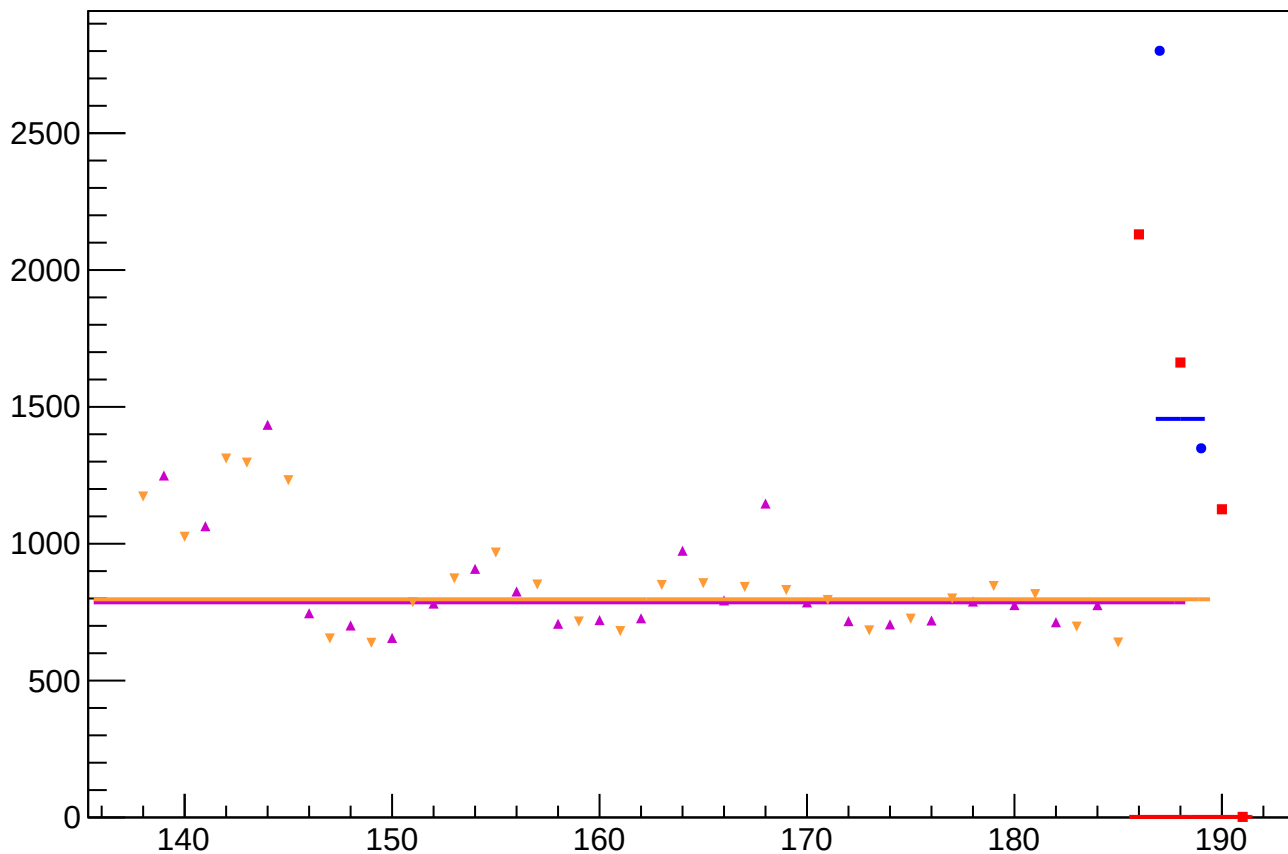
Right: -0.263 $\pm$ 4.105 χ^2 /NDF: 6.6/5

In: 47.179 $\pm$ 189.661 χ^2 /NDF:15.5/24

Out: -0.576 $\pm$ 4.104 χ^2 /NDF:67.0/28

All: -0.554 $\pm$ 4.103 χ^2 /NDF: 82.5/53

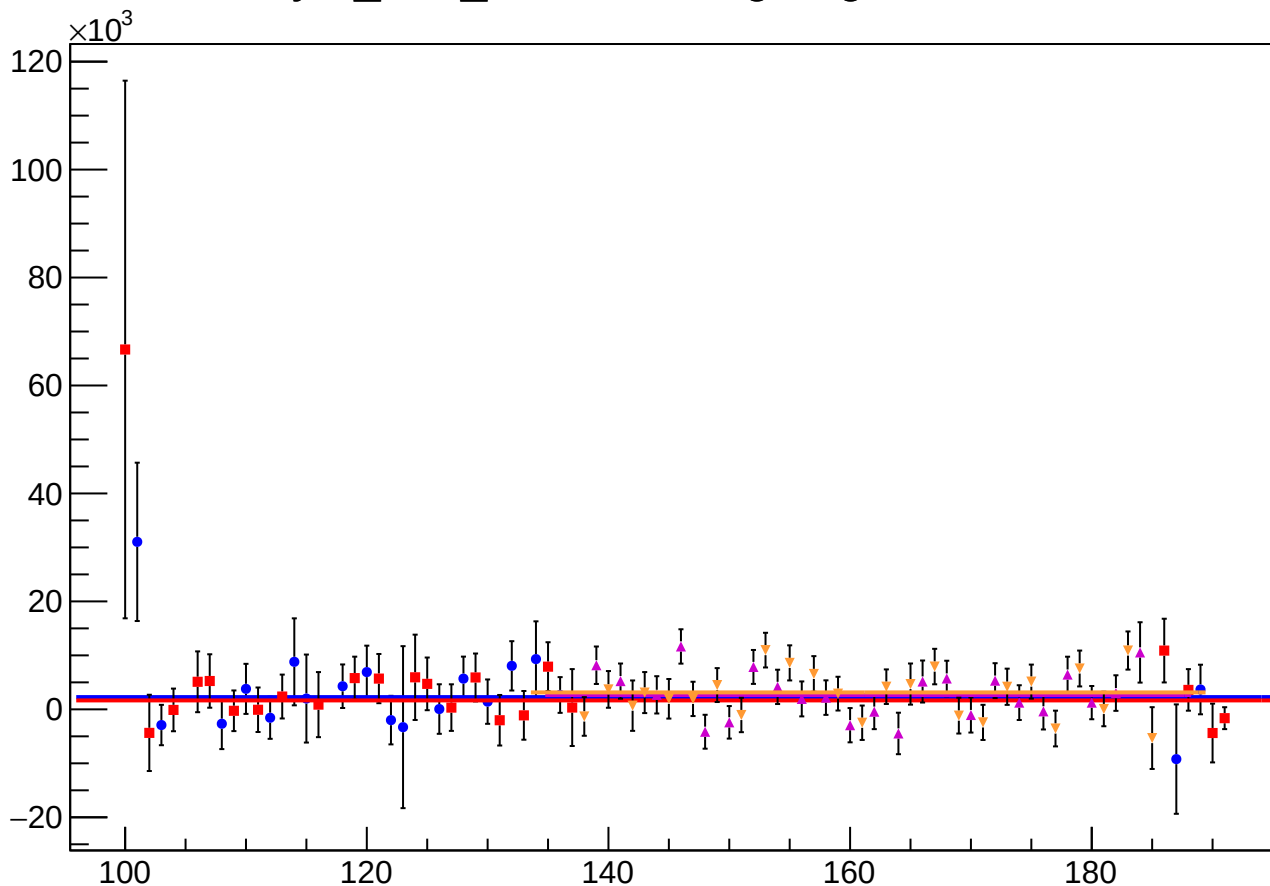
asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 1456.187+/-1.388 χ^2/NDF : 75068.3/1
 Left Out: 796.994+/-0.135 χ^2/NDF : 1174879.0/24
 Right Out: 2.053+/-0.003 χ^2/NDF : 2915658.8/3
 Left In: 785.928+/-0.135 χ^2/NDF : 1126027.7/22

Left: 791.470+/-0.095 χ^2/NDF : 2304284.9/47
 Right: 2.059+/-0.003 χ^2/NDF : 4088804.0/5
 In: 792.188+/-0.134 χ^2/NDF : 1432215.1/24
 Out: 2.423+/-0.003 χ^2/NDF : 39002602.2/28
 All: 2.792+/-0.003 χ^2/NDF : 75097772.7/53

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2269.723 $\pm$ 1114.753 χ^2 /NDF: 15.8/18

Left Out: 3139.358 $\pm$ 680.222 χ^2 /NDF:38.3/24

Right Out: 1656.513 $\pm$ 918.918 χ^2 /NDF: 17.1/22

Left In: 2659.828 $\pm$ 693.121 χ^2 /NDF:36.9/22

Left: 2904.096 $\pm$ 485.486 χ^2 /NDF: 75.4/47

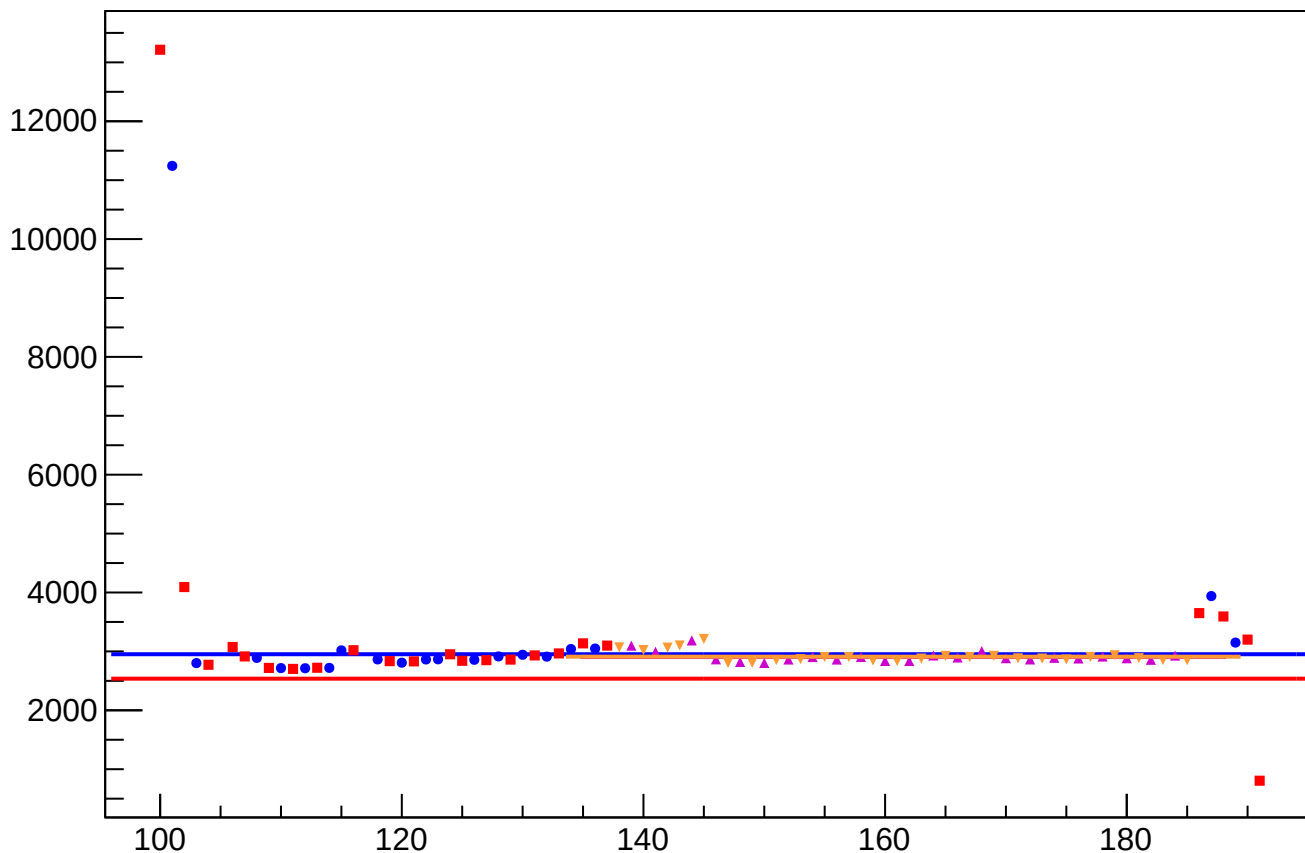
Right: 1904.611 $\pm$ 709.064 χ^2 /NDF: 33.0/41

In: 2551.062 $\pm$ 588.618 χ^2 /NDF:52.8/41

Out: 2614.449 $\pm$ 546.728 χ^2 /NDF:57.0/47

All: 2585.091 $\pm$ 400.586 χ^2 /NDF: 109.8/89

asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2910.362+/-0.481 χ^2/NDF : 36080.5/24

Right Out: 2536.982+/-0.650 χ^2/NDF : 2093770.1/22

Left In: 2904.499+/-0.490 χ^2/NDF : 30423.1/22

Left: 2907.485+/-0.343 χ^2/NDF : 66576.4/47

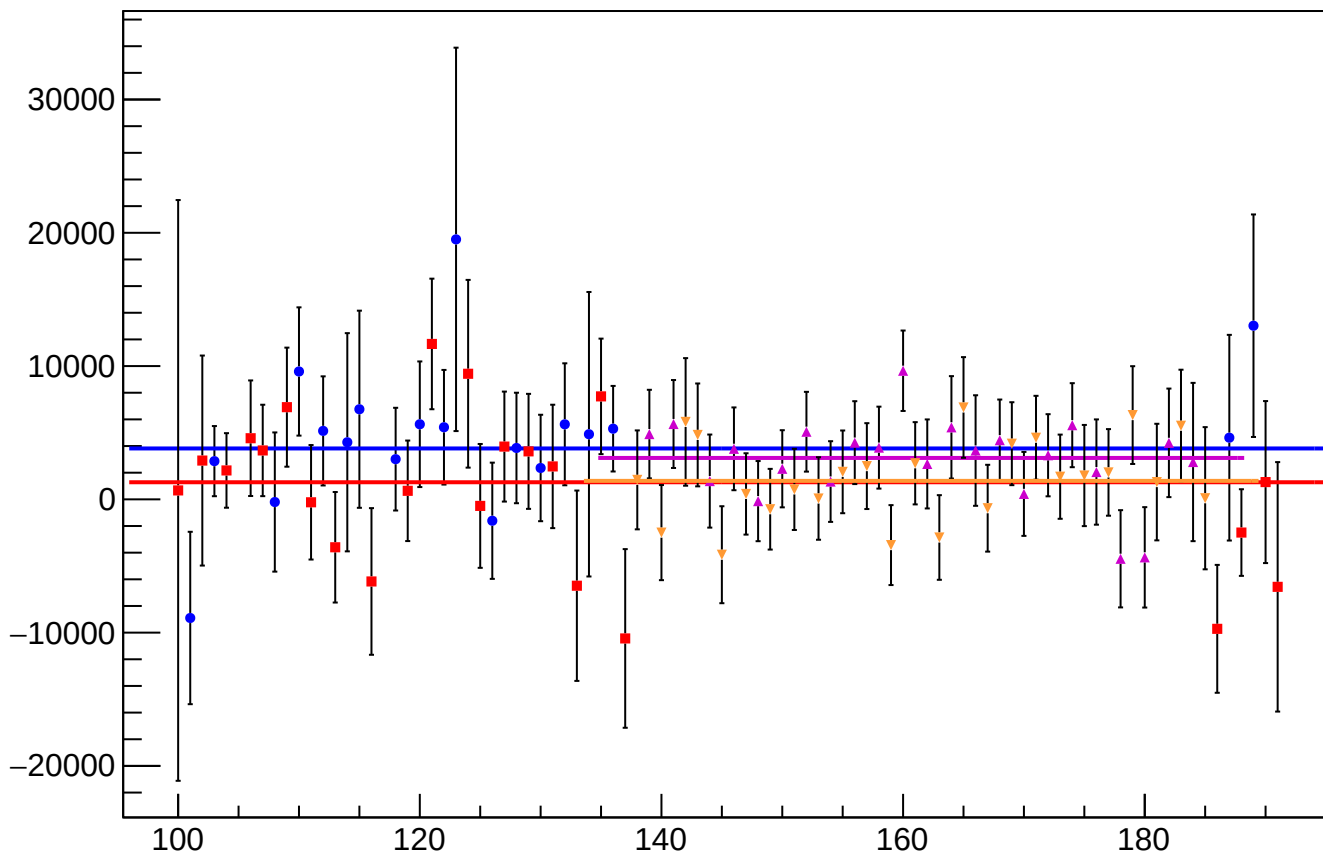
Right: 2704.891+/-0.501 χ^2/NDF : 2945264.5/41

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

Out: 2778.190+/-0.387 χ^2/NDF : 2343163.9/47

All: 2842.823+/-0.283 χ^2/NDF : 3123002.1/89

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3818.838 $\pm$ 1071.784 χ^2 /NDF: 11.1/18

Left Out: 1386.275 $\pm$ 684.647 χ^2 /NDF:18.0/24

Right Out: 1282.840 $\pm$ 958.231 χ^2 /NDF: 26.7/22

Left In: 3106.878 $\pm$ 695.685 χ^2 /NDF:18.4/22

Left: 2232.819 $\pm$ 487.974 χ^2 /NDF: 39.5/47

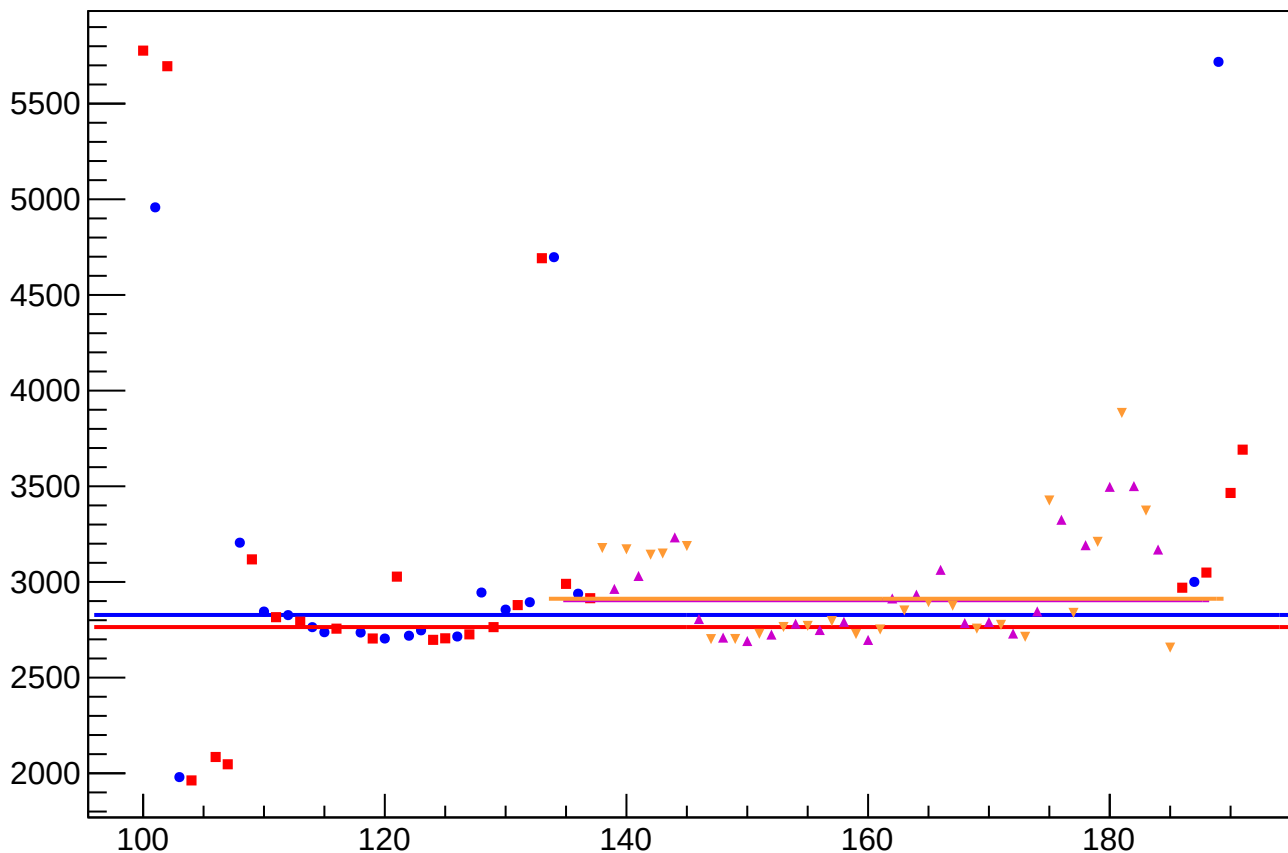
Right: 2409.425 $\pm$ 714.356 χ^2 /NDF: 40.9/41

In: 3317.923 $\pm$ 583.535 χ^2 /NDF:29.8/41

Out: 1351.318 $\pm$ 557.066 χ^2 /NDF:44.7/47

All: 2289.008 $\pm$ 402.938 χ^2 /NDF: 80.4/89

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2827.487 $\pm$ 0.758 χ^2/NDF : 747172.3/18

Left Out: 2912.211 $\pm$ 0.484 χ^2/NDF : 290908.5/24

Right Out: 2764.201 $\pm$ 0.677 χ^2/NDF : 854917.2/22

Left In: 2904.472 $\pm$ 0.492 χ^2/NDF : 217578.9/22

Left: 2908.403 $\pm$ 0.345 χ^2/NDF : 508613.1/47

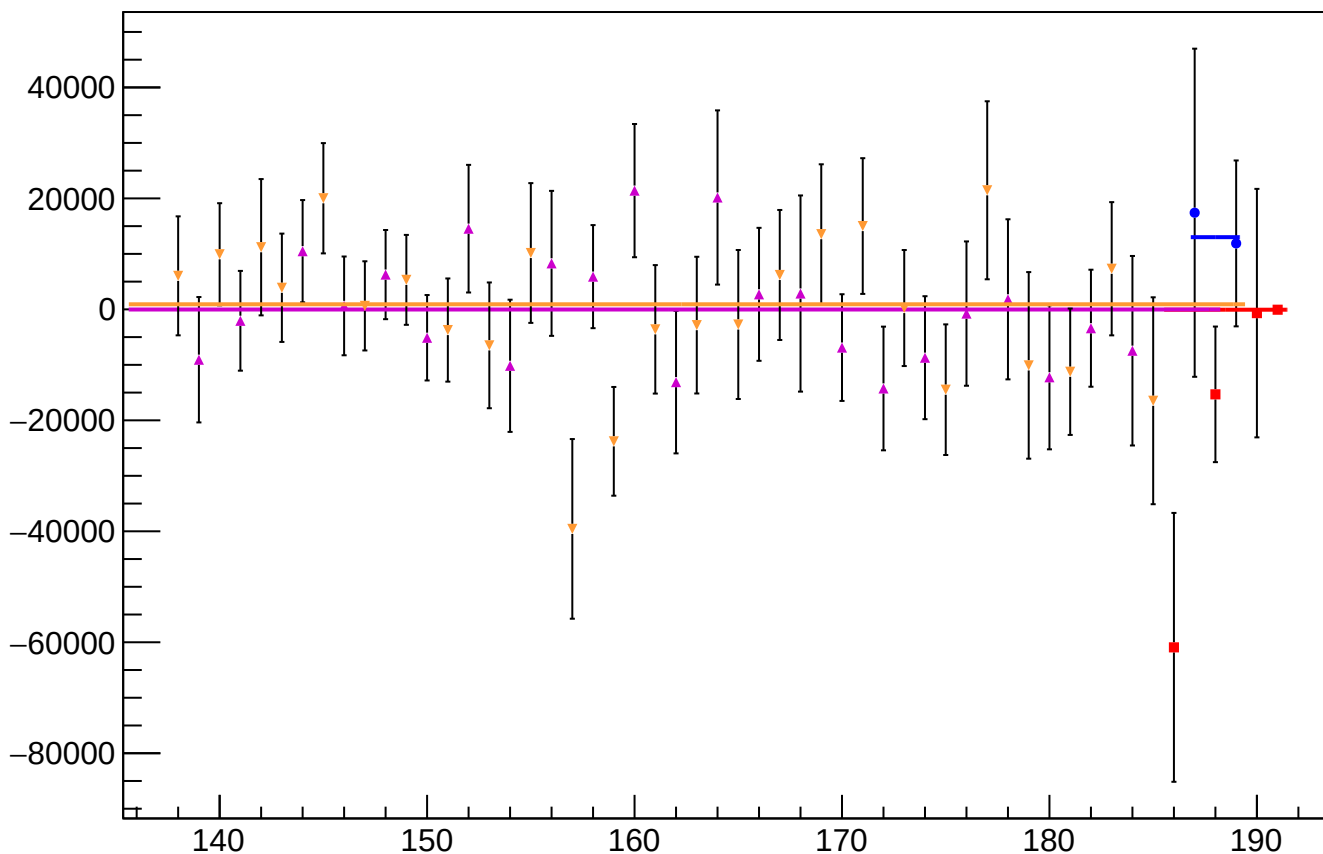
Right: 2792.306 $\pm$ 0.505 χ^2/NDF : 1605965.9/41

In: 2881.651 $\pm$ 0.413 χ^2/NDF : 972011.2/41

Out: 2862.170 $\pm$ 0.394 χ^2/NDF : 1177427.1/47

All: 2871.458 $\pm$ 0.285 χ^2/NDF : 2150604.6/89

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: 13013.187 $\pm$ 13341.671 χ^2 /NDF: 0.0/1

Left Out: 916.096 $\pm$ 2238.762 χ^2 /NDF: 28.7/24

Right Out: -62.851 $\pm$ 29.129 χ^2 /NDF: 7.9/3

Left In: -25.729 $\pm$ 2280.428 χ^2 /NDF: 16.1/22

Left: 453.866 $\pm$ 1597.571 χ^2 /NDF: 44.9/47

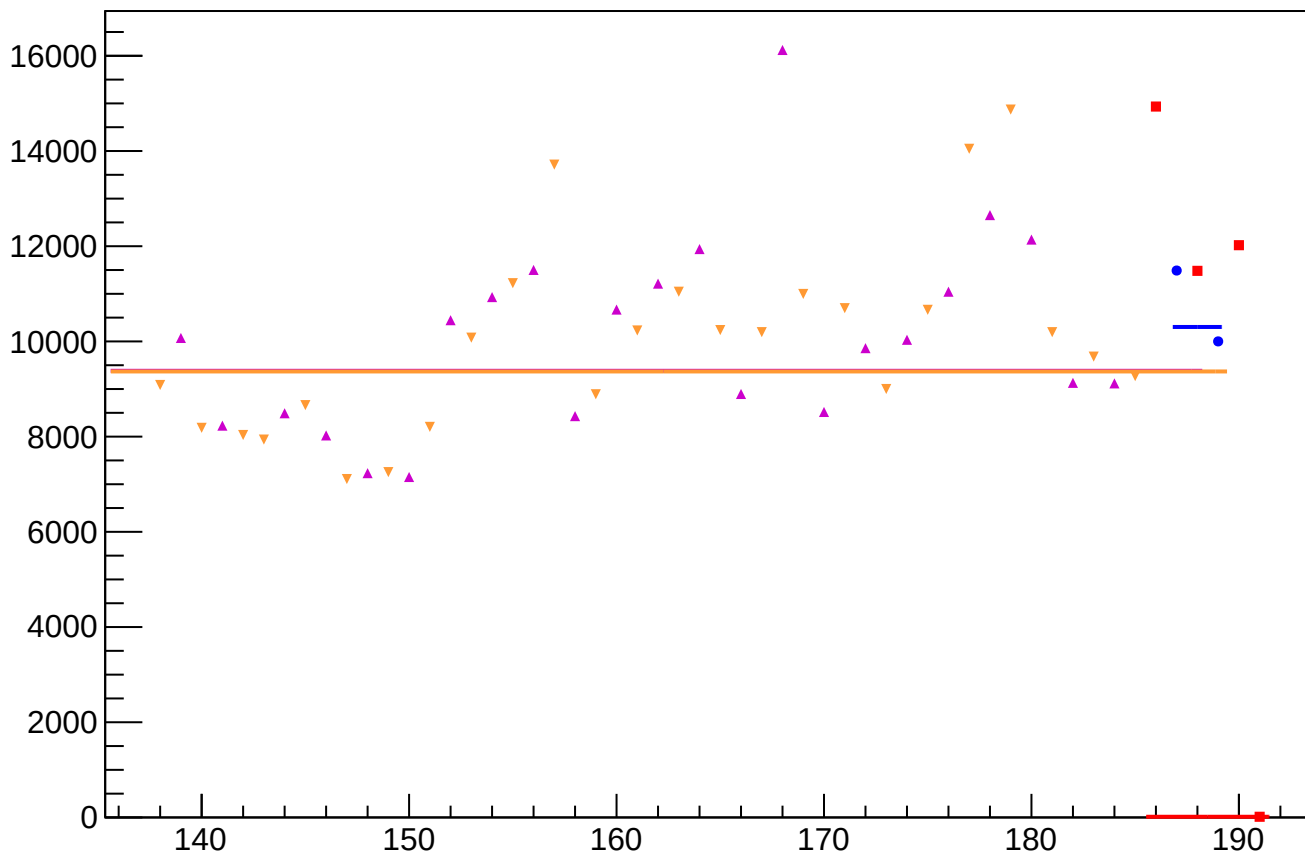
Right: -62.788 $\pm$ 29.129 χ^2 /NDF: 8.9/5

In: 344.395 $\pm$ 2247.828 χ^2 /NDF: 17.1/24

Out: -62.685 $\pm$ 29.127 χ^2 /NDF: 36.8/28

All: -62.617 $\pm$ 29.124 χ^2 /NDF: 53.9/53

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 10303.604 $\pm$ 9.434 χ^2 /NDF: 4036.5/1

Left Out: 9369.034 $\pm$ 1.583 χ^2 /NDF:1183012.4/24

Right Out: 14.545 $\pm$ 0.021 χ^2 /NDF: 3094655.2/3

Left In: 9382.727 $\pm$ 1.613 χ^2 /NDF:1205648.8/22

Left: 9375.755 $\pm$ 1.130 χ^2 /NDF: 2388697.9/47

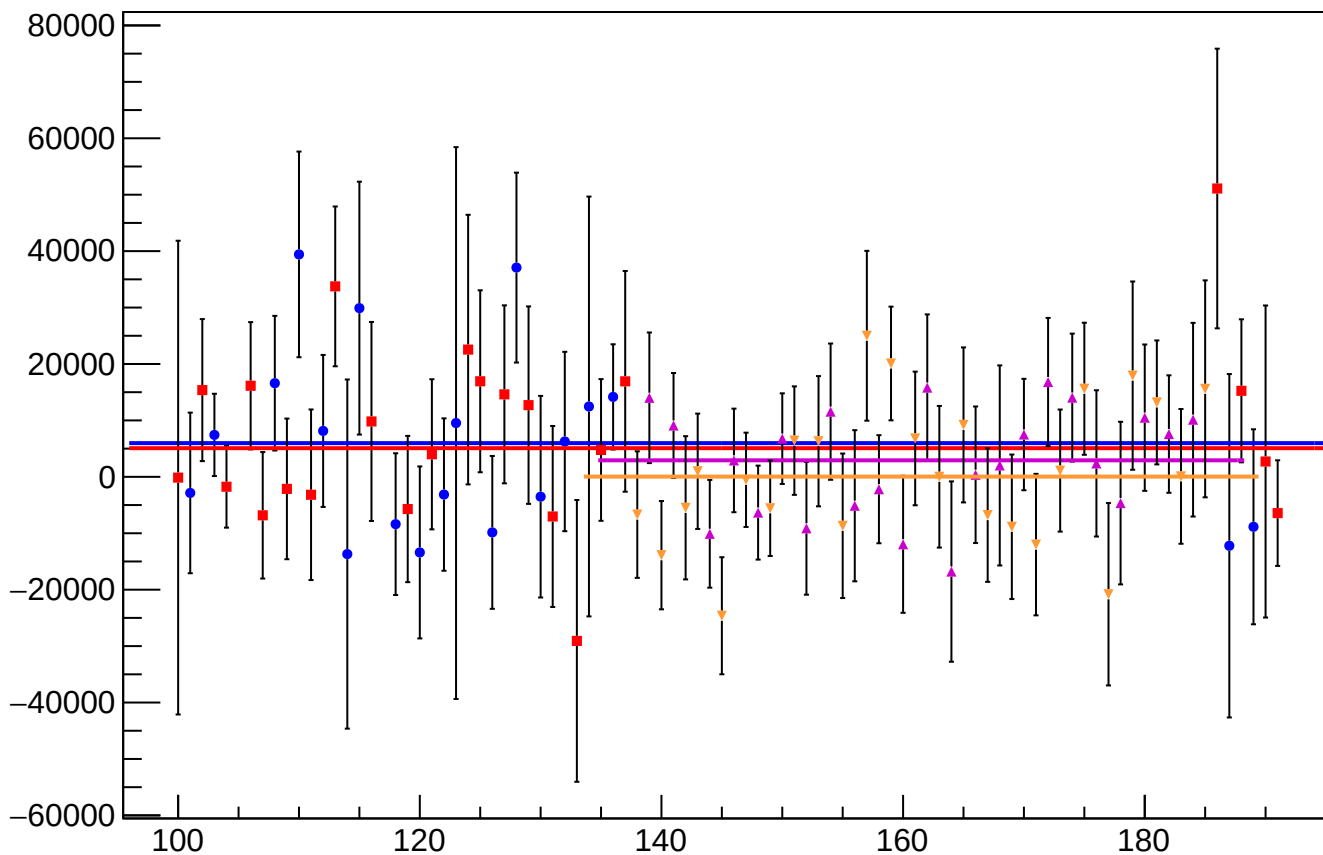
Right: 14.594 $\pm$ 0.021 χ^2 /NDF: 4288175.9/5

In: 9408.868 $\pm$ 1.589 χ^2 /NDF:1218943.0/24

Out: 16.129 $\pm$ 0.021 χ^2 /NDF:39190143.8/28

All: 17.705 $\pm$ 0.021 χ^2 /NDF: 75324345.1/53

asym_atr2_mean vs Slug, Sign Corrected



Right In: 5972.384 $\pm$ 3304.233 χ^2/NDF : 16.5/18

Left Out: 43.265 $\pm$ 2290.867 χ^2/NDF : 25.9/24

Right Out: 5079.027 $\pm$ 2883.831 χ^2/NDF : 19.2/22

Left In: 2925.533 $\pm$ 2330.587 χ^2/NDF : 14.6/22

Left: 1459.628 $\pm$ 1633.750 χ^2/NDF : 41.2/47

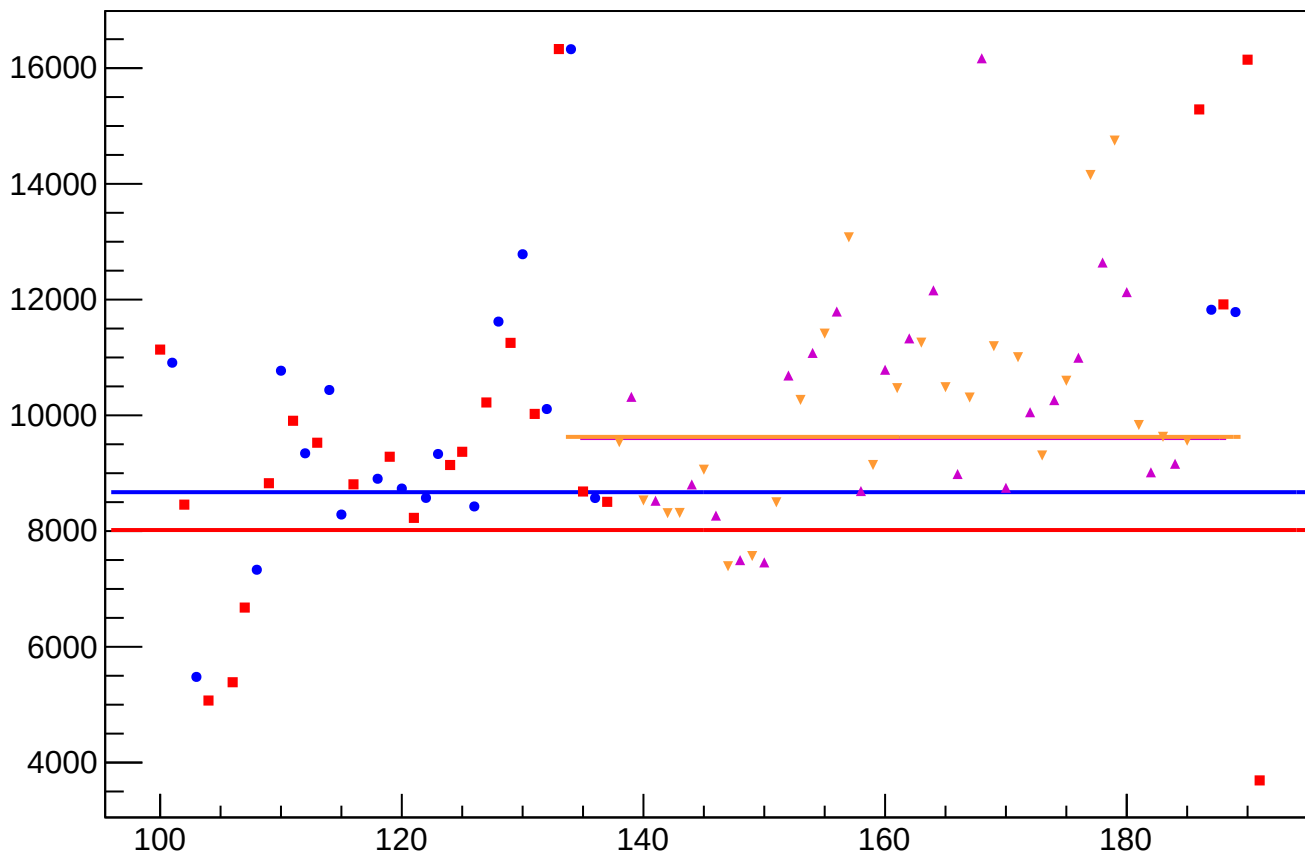
Right: 5465.292 $\pm$ 2172.705 χ^2/NDF : 35.8/41

In: 3937.753 $\pm$ 1904.507 χ^2/NDF : 31.7/41

Out: 1991.581 $\pm$ 1793.771 χ^2/NDF : 47.0/47

All: 2906.446 $\pm$ 1305.781 χ^2/NDF : 79.2/89

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8672.304 ± 2.336 $\chi^2/\text{NDF}: 853345.5/18$

Left Out: 9627.824 ± 1.620 $\chi^2/\text{NDF}: 1004641.7/24$

Right Out: 8018.019 ± 2.039 $\chi^2/\text{NDF}: 1914137.2/22$

Left In: 9607.553 ± 1.648 $\chi^2/\text{NDF}: 1085465.7/22$

Left: 9617.863 ± 1.155 $\chi^2/\text{NDF}: 2090184.3/47$

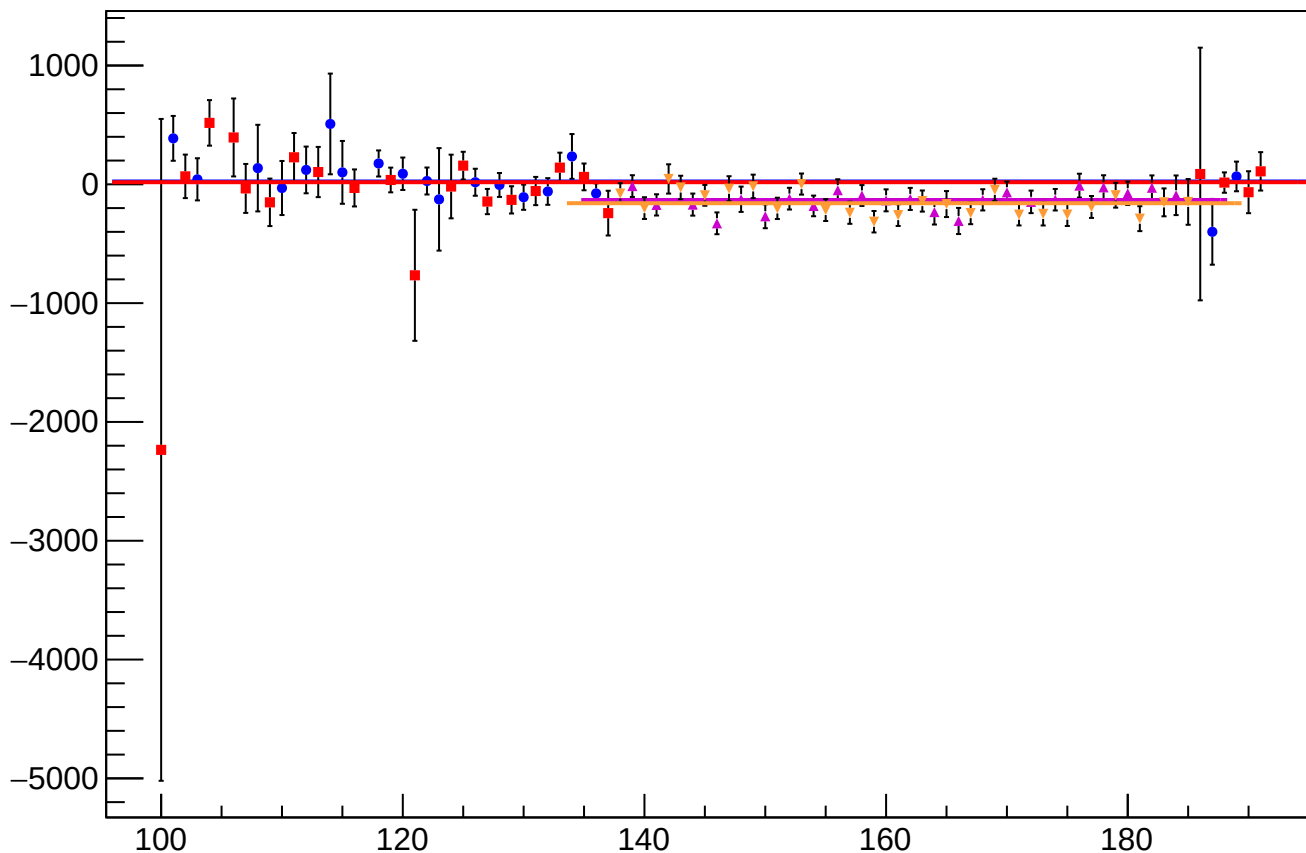
Right: 8300.903 ± 1.536 $\chi^2/\text{NDF}: 2811997.0/41$

In: 9296.846 ± 1.347 $\chi^2/\text{NDF}: 2045809.8/41$

Out: 9004.967 ± 1.268 $\chi^2/\text{NDF}: 3300892.3/47$

All: 9142.173 ± 0.923 $\chi^2/\text{NDF}: 5371595.5/89$

dit_asym_sam1_mean vs Slug, Sign Corrected

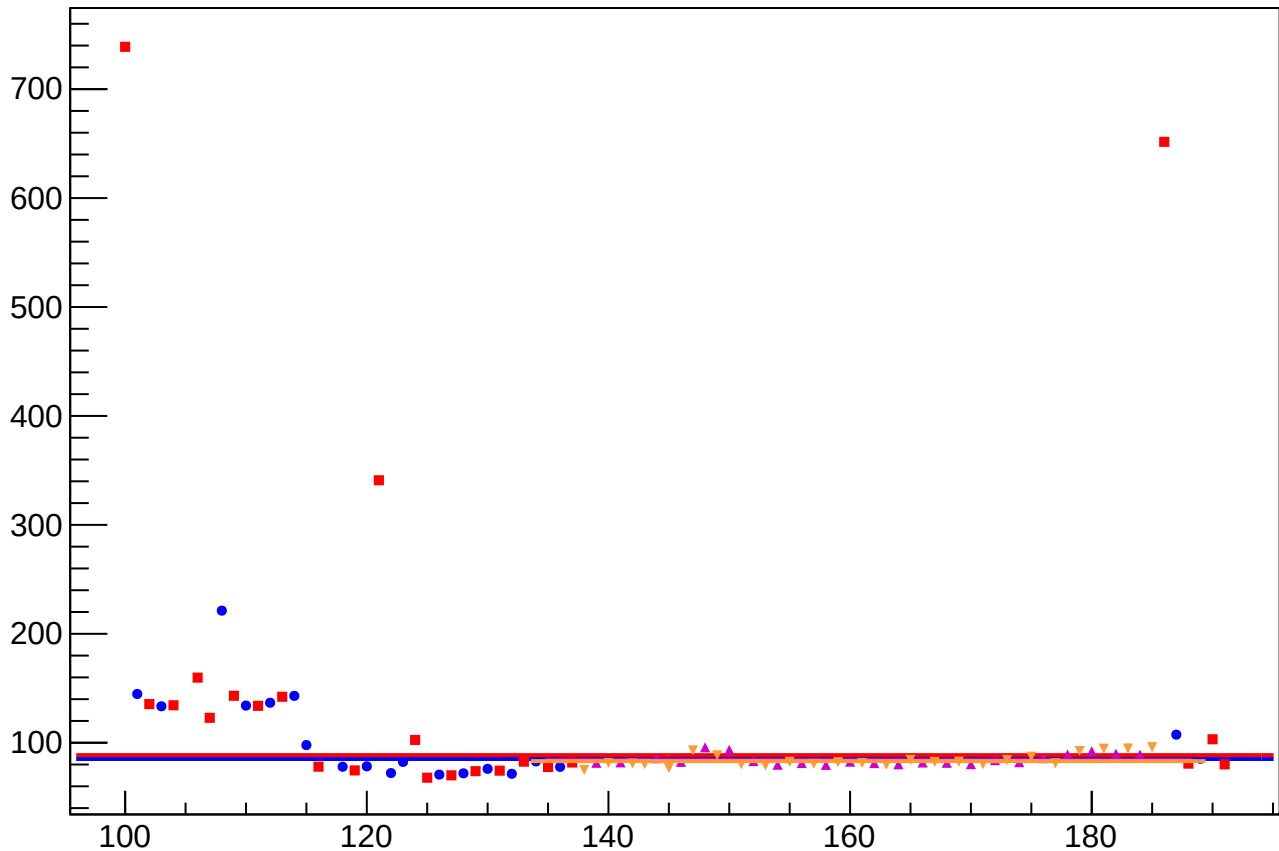


Right In: 23.709 ± 32.603 $\chi^2/\text{NDF}: 15.1/18$
Left Out: -158.948 ± 19.453 $\chi^2/\text{NDF}: 25.8/24$
Right Out: 17.909 ± 31.641 $\chi^2/\text{NDF}: 22.4/22$
Left In: -131.879 ± 20.076 $\chi^2/\text{NDF}: 17.8/22$

Left: -145.840 ± 13.970 $\chi^2/\text{NDF}: 44.5/47$
Right: 20.722 ± 22.706 $\chi^2/\text{NDF}: 37.5/41$
In: -89.104 ± 17.095 $\chi^2/\text{NDF}: 49.4/41$
Out: -110.436 ± 16.572 $\chi^2/\text{NDF}: 70.8/47$

All: -100.101 ± 11.899 $\chi^2/\text{NDF}: 121.0/89$

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 85.087+/-0.023 χ^2/NDF : 1077654.5/18

Left Out: 83.126+/-0.014 χ^2/NDF :138741.0/24

Right Out: 88.613+/-0.022 χ^2/NDF : 2155934.3/22

Left In: 84.108+/-0.014 χ^2/NDF :96934.3/22

Left: 83.602+/-0.010 χ^2/NDF : 238144.0/47

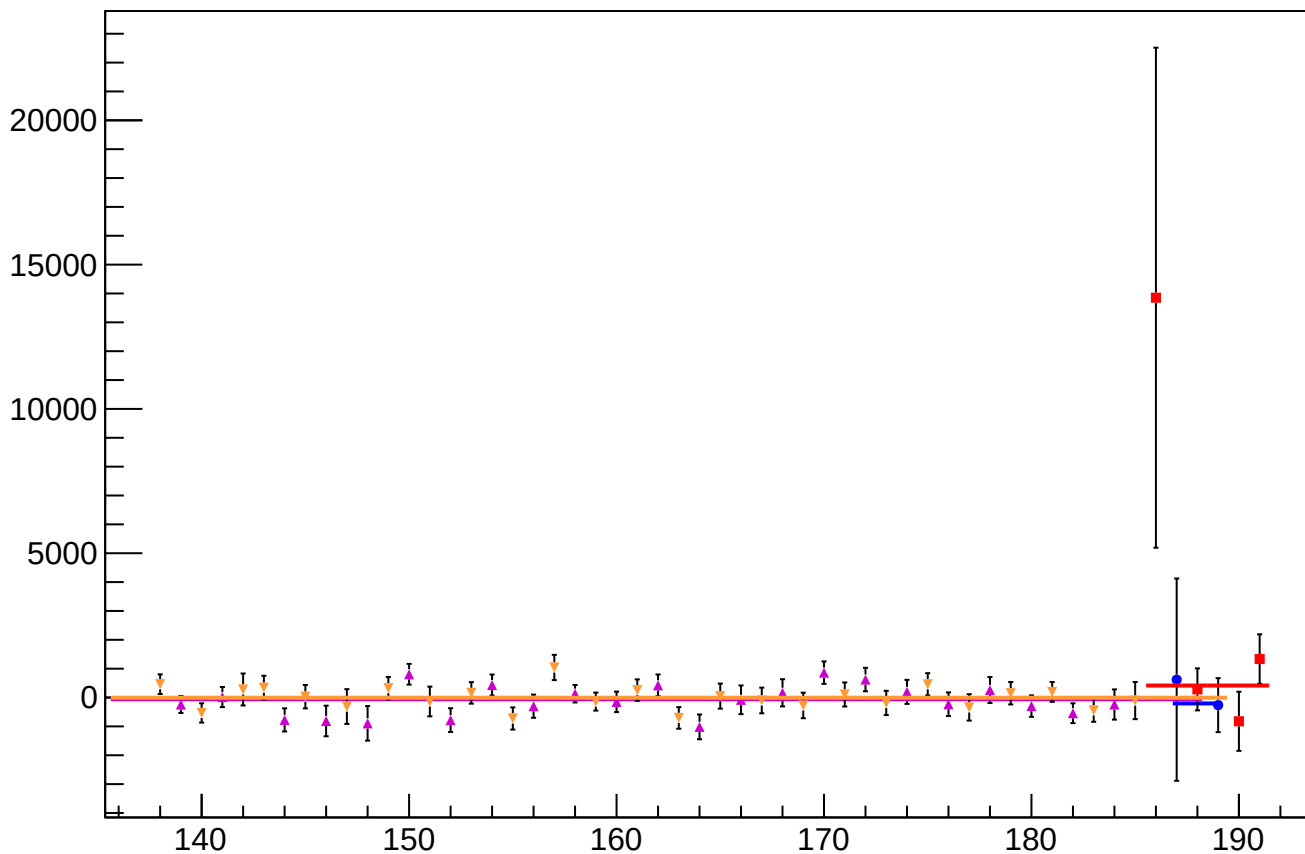
Right: 86.902+/-0.016 χ^2/NDF : 3245636.2/41

In: 84.377+/-0.012 χ^2/NDF :1175894.1/41

Out: 84.631+/-0.012 χ^2/NDF :2338313.3/47

All: 84.508+/-0.008 χ^2/NDF : 3514434.8/89

asym_sam1_correction_mean vs Slug, Sign Corrected



Right In: -204.607 ± 903.388 $\chi^2/\text{NDF}: 0.1/1$

Left Out: -6.627 ± 81.138 $\chi^2/\text{NDF}: 24.4/24$

Right Out: 415.459 ± 486.813 $\chi^2/\text{NDF}: 5.1/3$

Left In: -59.971 ± 82.046 $\chi^2/\text{NDF}: 38.0/22$

Left: -33.002 ± 57.692 $\chi^2/\text{NDF}: 62.6/47$

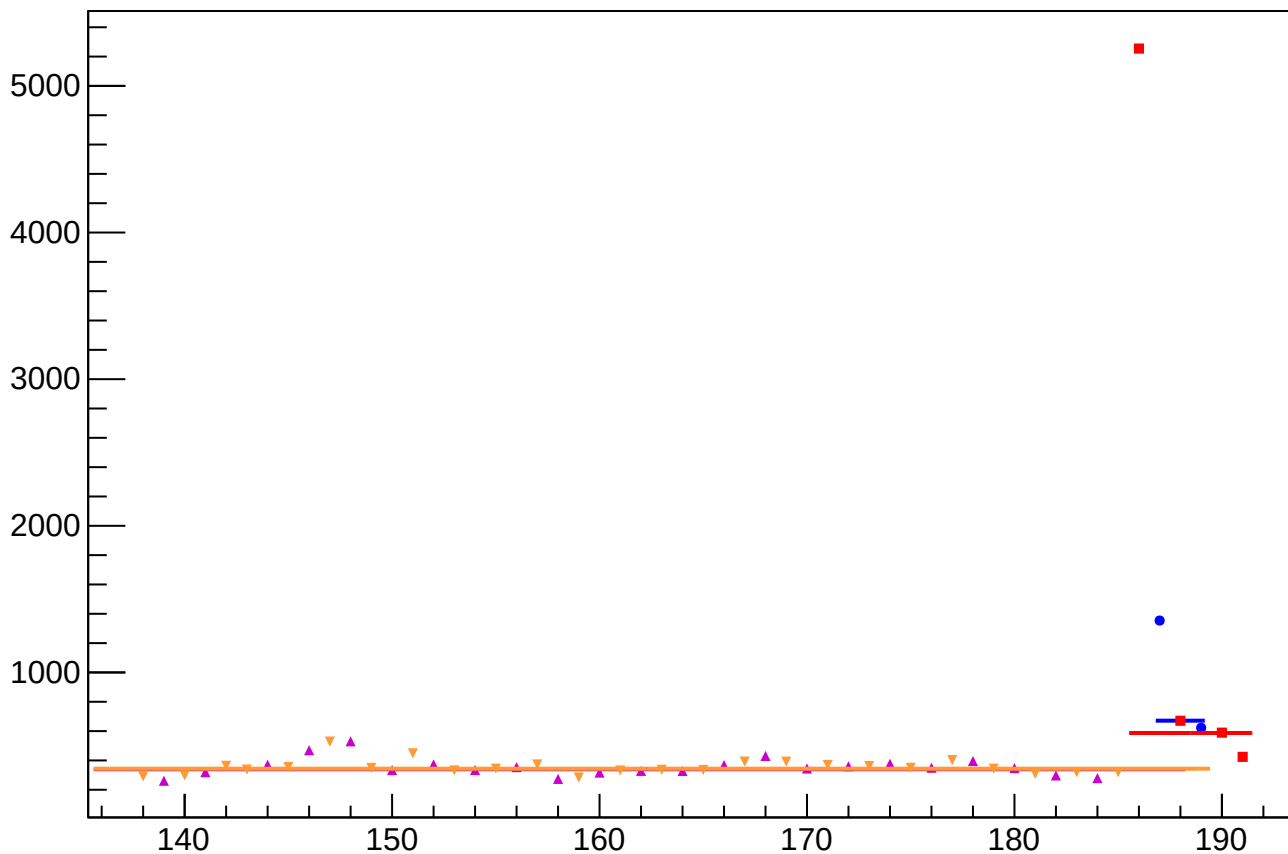
Right: 275.920 ± 428.551 $\chi^2/\text{NDF}: 5.5/5$

In: -61.155 ± 81.710 $\chi^2/\text{NDF}: 38.1/24$

Out: 4.781 ± 80.034 $\chi^2/\text{NDF}: 30.2/28$

All: -27.504 ± 57.176 $\chi^2/\text{NDF}: 68.6/53$

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 671.118+/-0.639 χ^2/NDF : 81322.8/1

Left Out: 343.620+/-0.057 χ^2/NDF : 571090.7/24

Right Out: 587.118+/-0.344 χ^2/NDF : 679174.2/3

Left In: 339.804+/-0.058 χ^2/NDF : 799750.5/22

Left: 341.733+/-0.041 χ^2/NDF : 1373028.9/47

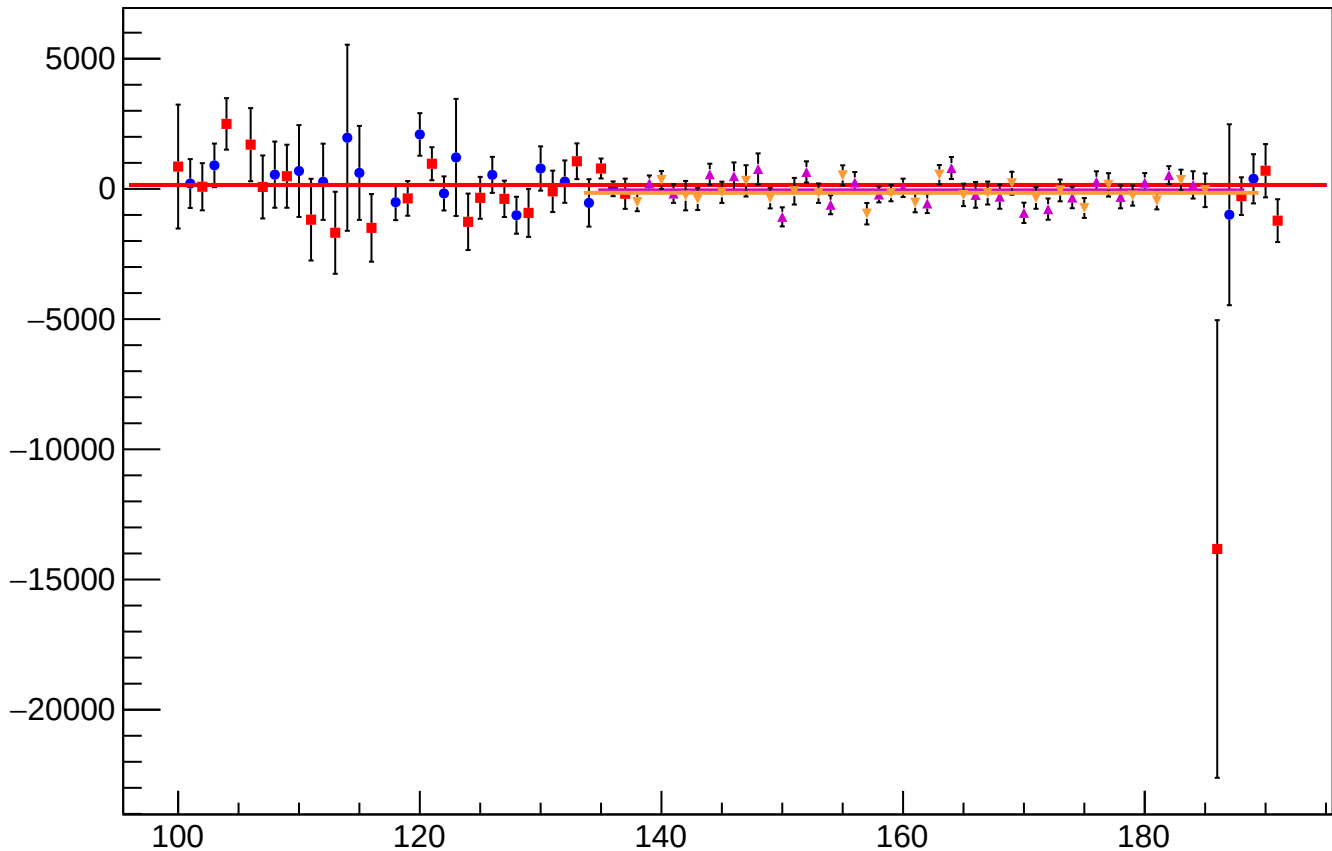
Right: 606.021+/-0.303 χ^2/NDF : 773897.7/5

In: 342.514+/-0.058 χ^2/NDF : 1147878.6/24

Out: 350.201+/-0.057 χ^2/NDF : 1737115.2/28

All: 346.438+/-0.040 χ^2/NDF : 2894028.2/53

asym_sam1_mean vs Slug, Sign Corrected



Right In: 149.067 $\pm$ 175.867 χ^2 /NDF: 13.0/18

Left Out: -148.809 $\pm$ 81.017 χ^2 /NDF:22.0/24

Right Out: 152.841 $\pm$ 171.771 χ^2 /NDF: 27.8/22

Left In: -56.402 $\pm$ 82.155 χ^2 /NDF:39.7/22

Left: -103.250 $\pm$ 57.686 χ^2 /NDF: 62.3/47

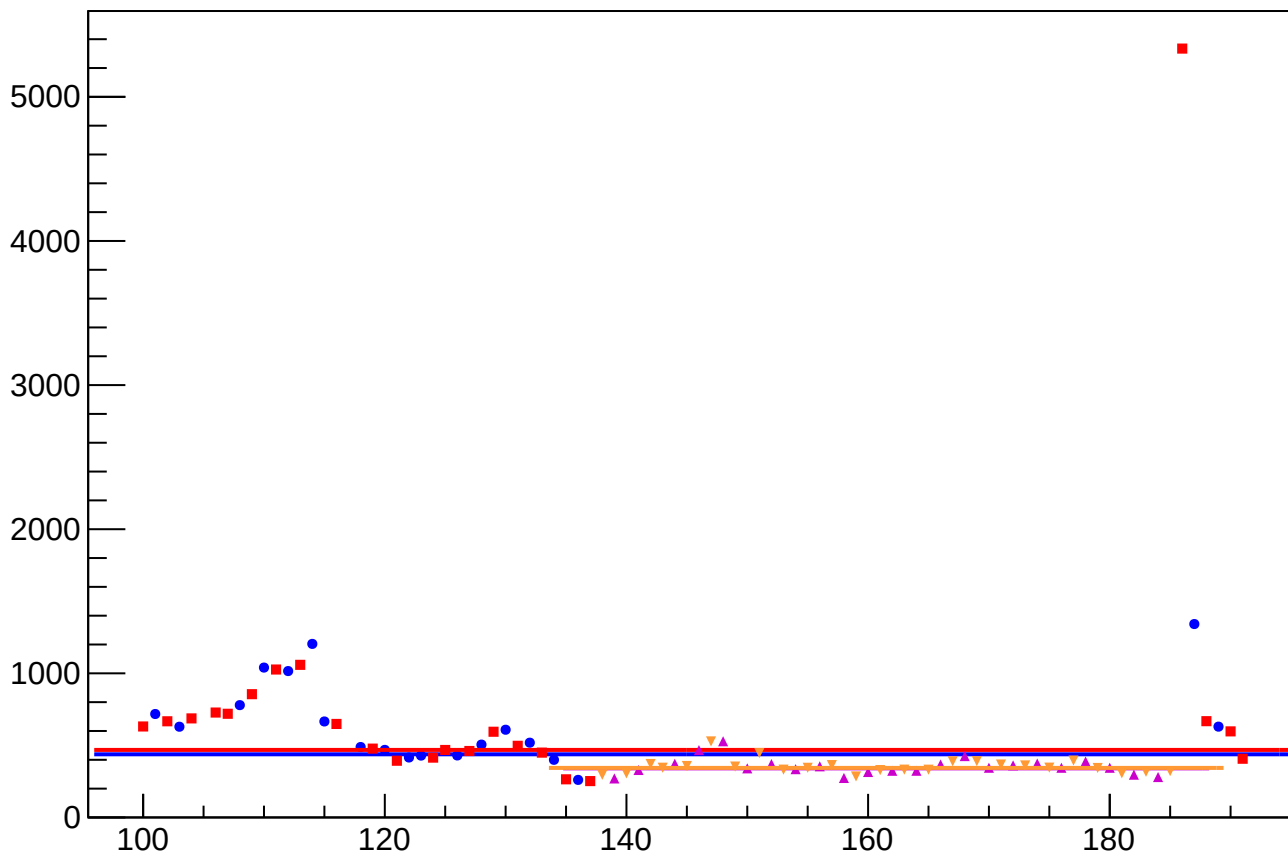
Right: 150.999 $\pm$ 122.883 χ^2 /NDF: 40.8/41

In: -19.596 $\pm$ 74.434 χ^2 /NDF:53.8/41

Out: -93.916 $\pm$ 73.275 χ^2 /NDF:52.4/47

All: -57.339 $\pm$ 52.218 χ^2 /NDF: 106.6/89

asym_sam1_rms vs Slug, Sign Corrected



Right In: 438.177+/-0.124 χ^2/NDF : 2235774.5/18

Left Out: 343.762+/-0.057 χ^2/NDF : 539246.3/24

Right Out: 468.614+/-0.121 χ^2/NDF : 2862220.2/22

Left In: 340.519+/-0.058 χ^2/NDF : 737049.6/22

Left: 342.163+/-0.041 χ^2/NDF : 1277875.5/47

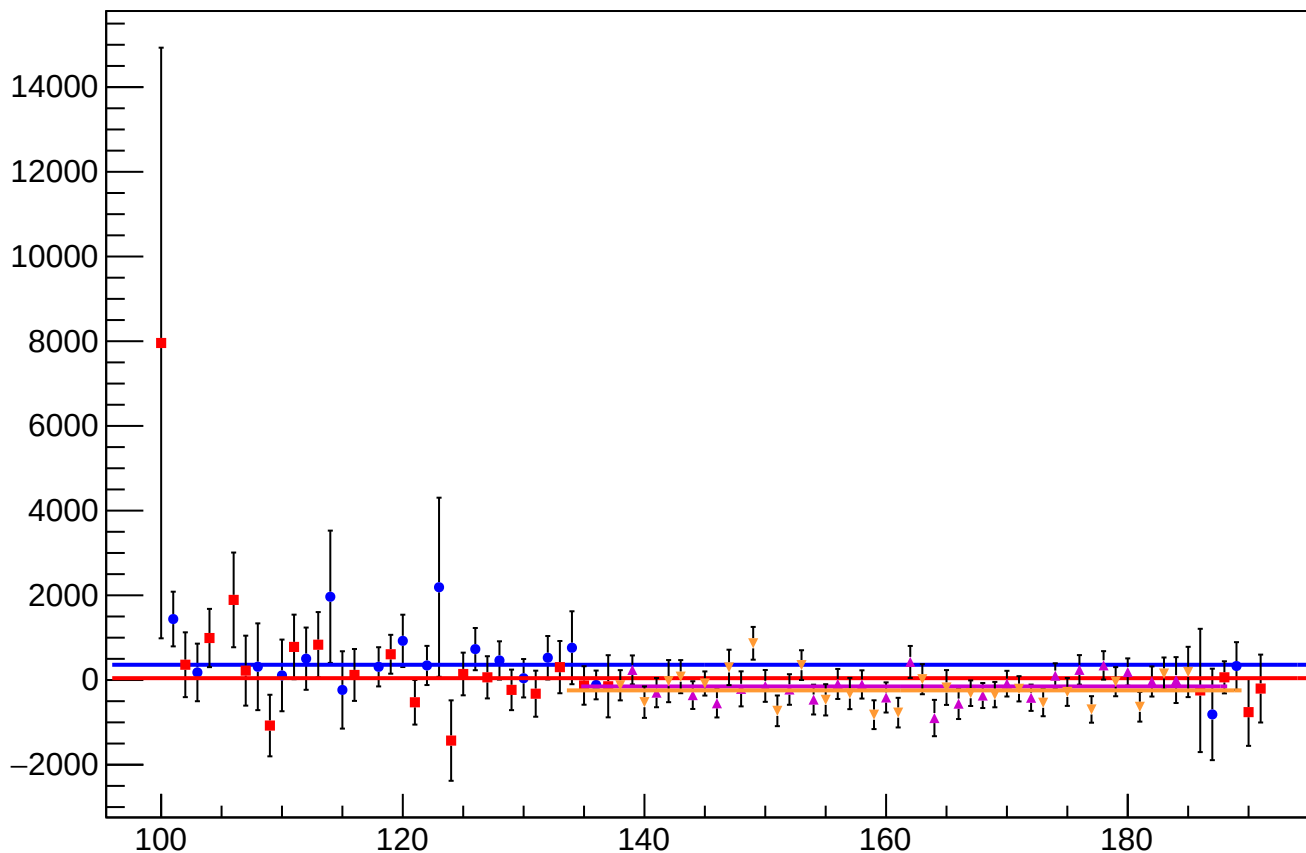
Right: 453.754+/-0.087 χ^2/NDF : 5128652.9/41

In: 358.013+/-0.053 χ^2/NDF : 3479057.1/41

Out: 366.482+/-0.052 χ^2/NDF : 4265813.4/47

All: 362.314+/-0.037 χ^2/NDF : 7758019.8/89

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 359.996 ± 135.871 $\chi^2/\text{NDF}: 10.6/18$

Left Out: -244.459 ± 70.636 $\chi^2/\text{NDF}: 28.9/24$

Right Out: 43.660 ± 130.022 $\chi^2/\text{NDF}: 18.0/22$

Left In: -152.030 ± 72.312 $\chi^2/\text{NDF}: 18.2/22$

Left: -199.328 ± 50.529 $\chi^2/\text{NDF}: 47.9/47$

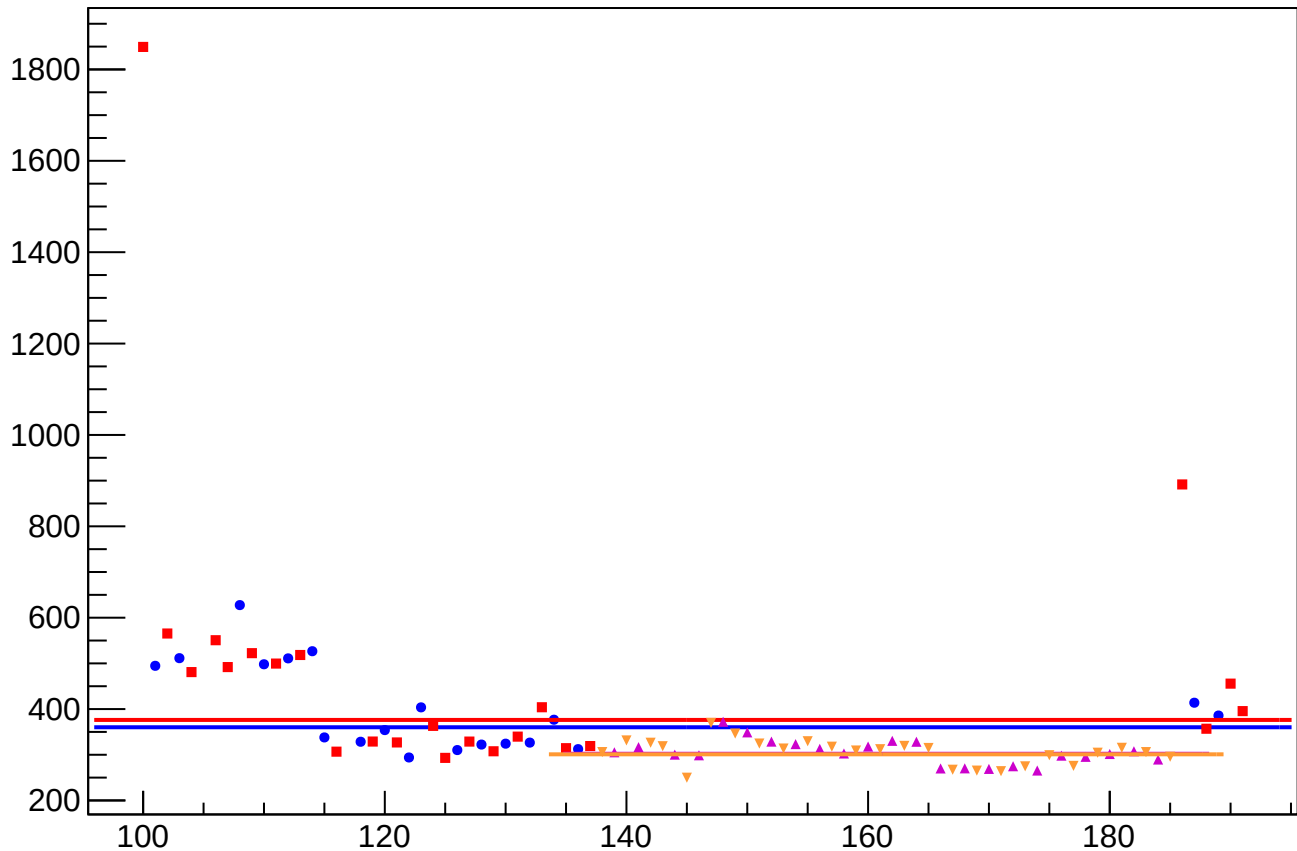
Right: 194.872 ± 93.939 $\chi^2/\text{NDF}: 31.4/41$

In: -39.012 ± 63.834 $\chi^2/\text{NDF}: 39.9/41$

Out: -178.803 ± 62.068 $\chi^2/\text{NDF}: 50.6/47$

All: -110.868 ± 44.500 $\chi^2/\text{NDF}: 93.0/89$

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 360.193 ± 0.096 χ^2/NDF : 639406.9/18

Left Out: 300.961 ± 0.050 χ^2/NDF : 322200.5/24

Right Out: 376.236 ± 0.092 χ^2/NDF : 1064726.1/22

Left In: 302.180 ± 0.051 χ^2/NDF : 247468.9/22

Left: 301.556 ± 0.036 χ^2/NDF : 569960.3/47

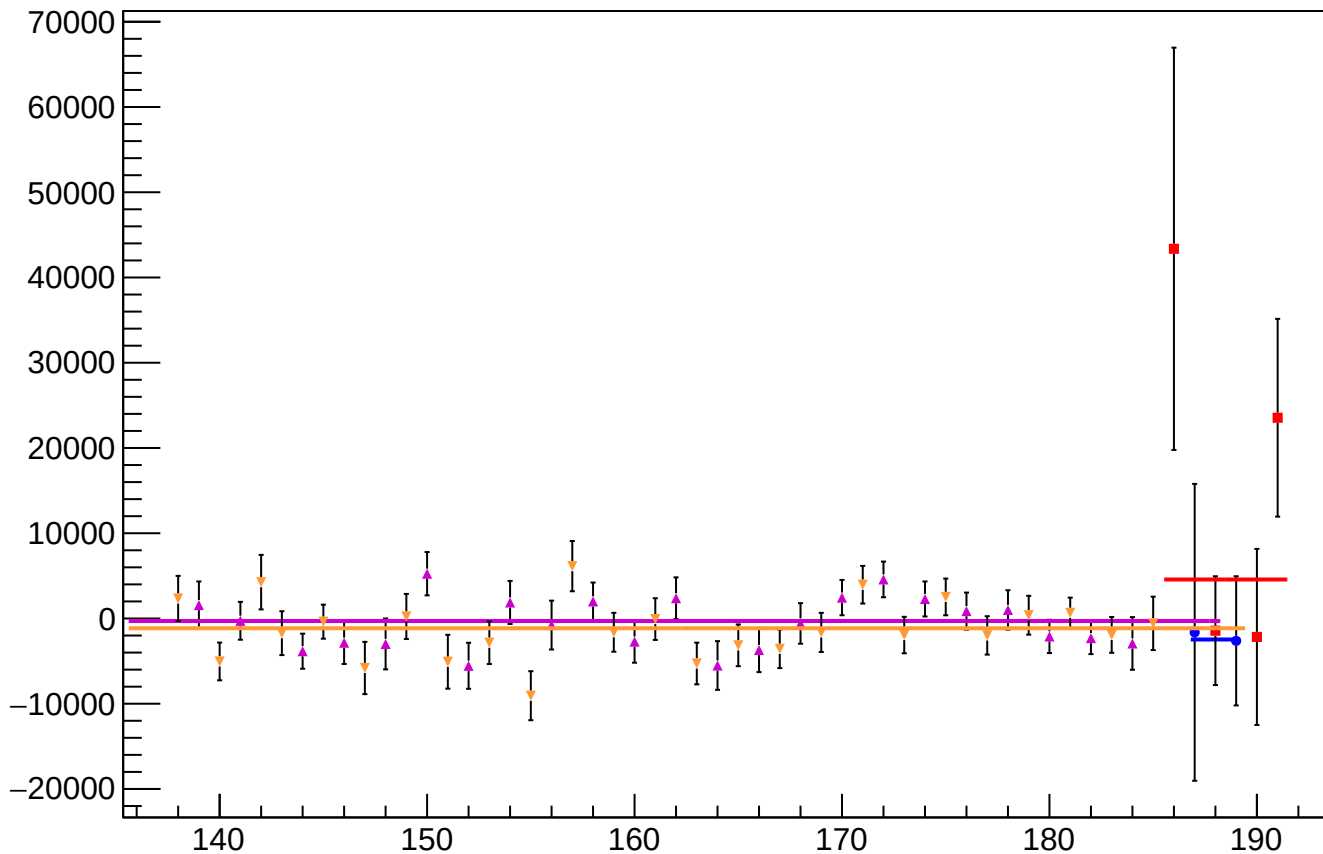
Right: 368.567 ± 0.066 χ^2/NDF : 1718687.5/41

In: 314.985 ± 0.045 χ^2/NDF : 1171009.1/41

Out: 318.114 ± 0.044 χ^2/NDF : 1904516.2/47

All: 316.593 ± 0.031 χ^2/NDF : 3077996.3/89

asym_sam2_correction_mean vs Slug, Sign Corrected



Right In: -2464.651+/-6948.113 χ^2/NDF : 0.0/1

Left Out: -1146.466+/-479.950 χ^2/NDF : 41.3/24

Right Out: 4573.489+/-4812.949 χ^2/NDF : 6.7/3

Left In: -298.915+/-491.476 χ^2/NDF : 35.0/22

Left: -732.745+/-343.379 χ^2/NDF : 77.8/47

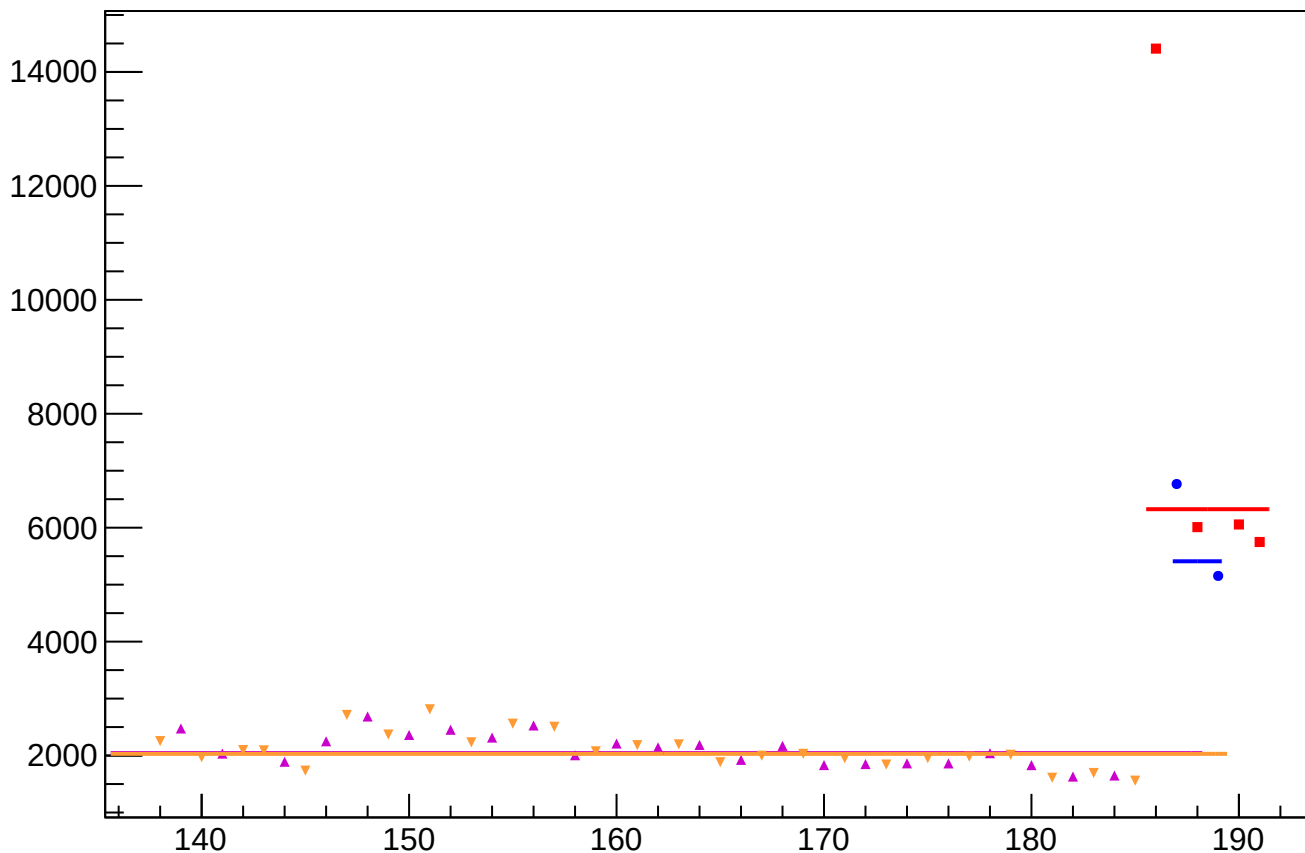
Right: 2291.390+/-3956.445 χ^2/NDF : 7.4/5

In: -309.698+/-490.251 χ^2/NDF : 35.1/24

Out: -1090.146+/-477.582 χ^2/NDF : 49.4/28

All: -710.136+/-342.093 χ^2/NDF : 85.7/53

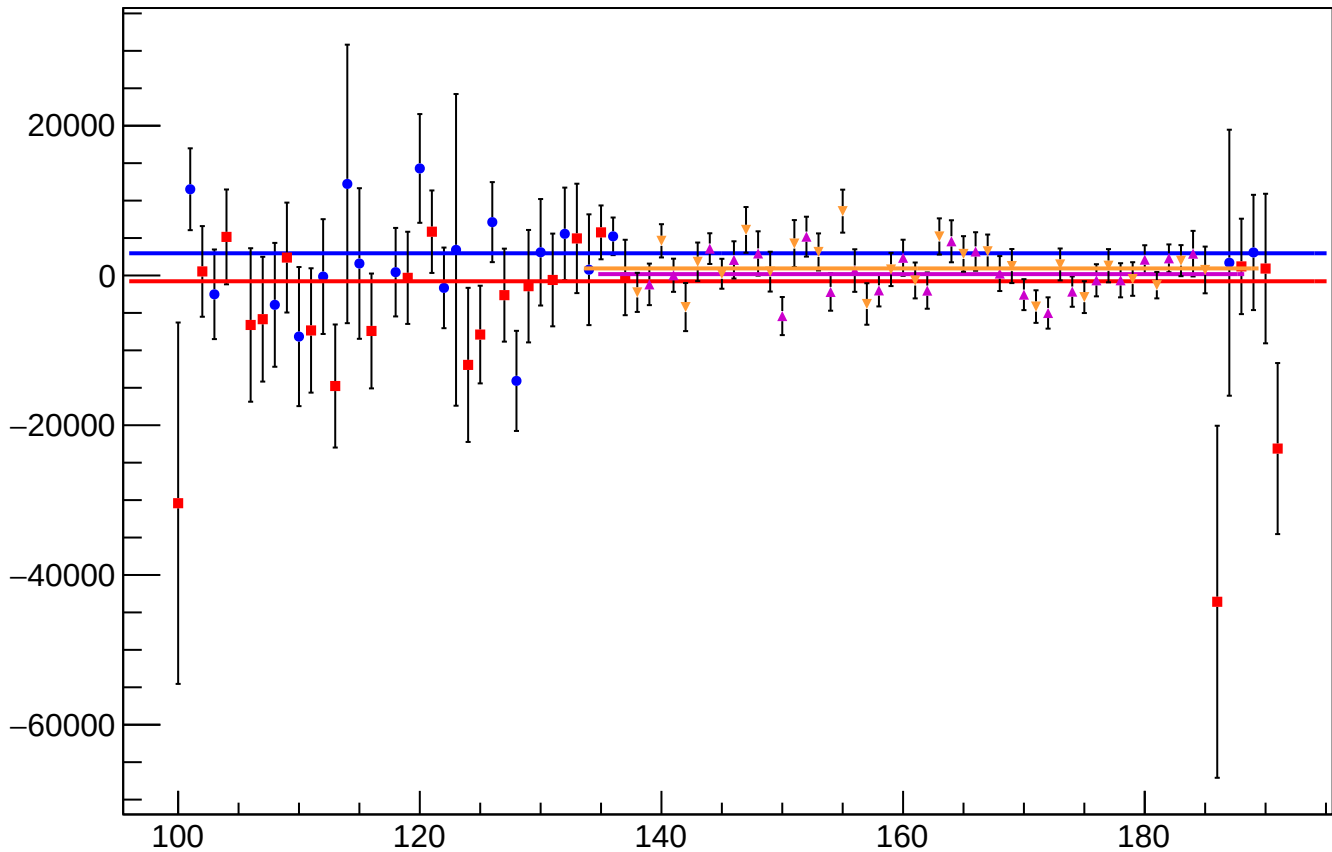
asym_sam2_correction_rms vs Slug, Sign Corrected



Right In: 5410.361+/-4.913 χ^2/NDF : 14433.8/1
 Left Out: 2030.179+/-0.339 χ^2/NDF : 702523.9/24
 Right Out: 6324.592+/-3.403 χ^2/NDF : 245962.0/3
 Left In: 2044.056+/-0.348 χ^2/NDF : 570535.5/22

Left: 2036.953+/-0.243 χ^2/NDF : 1273875.5/47
 Right: 6028.155+/-2.798 χ^2/NDF : 283794.8/5
 In: 2060.815+/-0.347 χ^2/NDF : 1052096.9/24
 Out: 2072.463+/-0.338 χ^2/NDF : 2525071.5/28
 All: 2066.792+/-0.242 χ^2/NDF : 3577747.7/53

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2964.705 $\pm$ 1411.426 χ^2 /NDF: 17.4/18

Left Out: 942.775 $\pm$ 474.439 χ^2 /NDF:38.3/24

Right Out: -773.796 $\pm$ 1436.770 χ^2 /NDF: 22.7/22

Left In: 180.087 $\pm$ 486.112 χ^2 /NDF:32.9/22

Left: 570.698 $\pm$ 339.531 χ^2 /NDF: 72.5/47

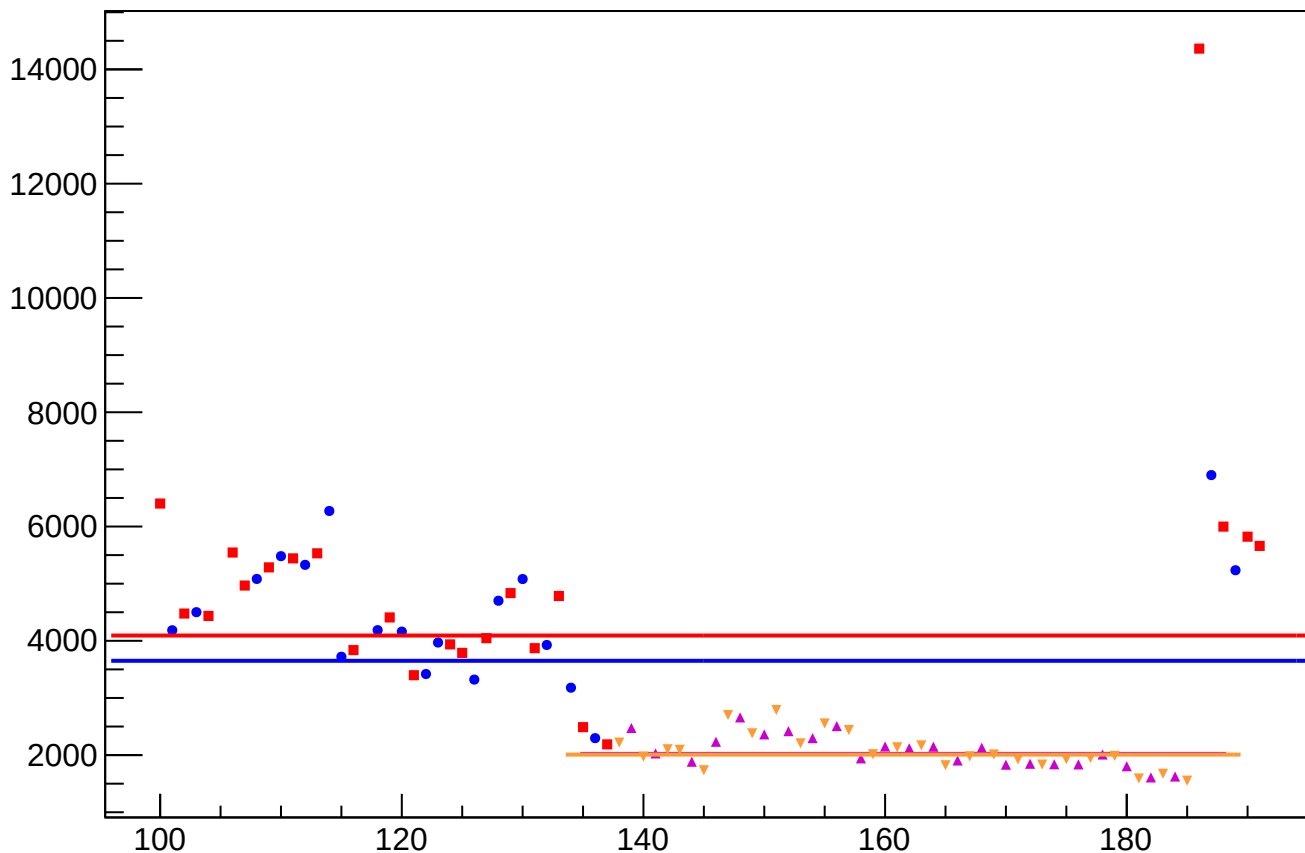
Right: 1128.719 $\pm$ 1006.870 χ^2 /NDF: 43.5/41

In: 475.371 $\pm$ 459.616 χ^2 /NDF:53.8/41

Out: 774.003 $\pm$ 450.512 χ^2 /NDF:62.3/47

All: 627.673 $\pm$ 321.731 χ^2 /NDF: 116.2/89

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3650.359+/-0.998 χ^2/NDF : 1246180.6/18

Left Out: 2008.897+/-0.335 χ^2/NDF : 709254.4/24

Right Out: 4092.473+/-1.016 χ^2/NDF : 1687802.7/22

Left In: 2020.887+/-0.344 χ^2/NDF : 576363.5/22

Left: 2014.747+/-0.240 χ^2/NDF : 1286241.1/47

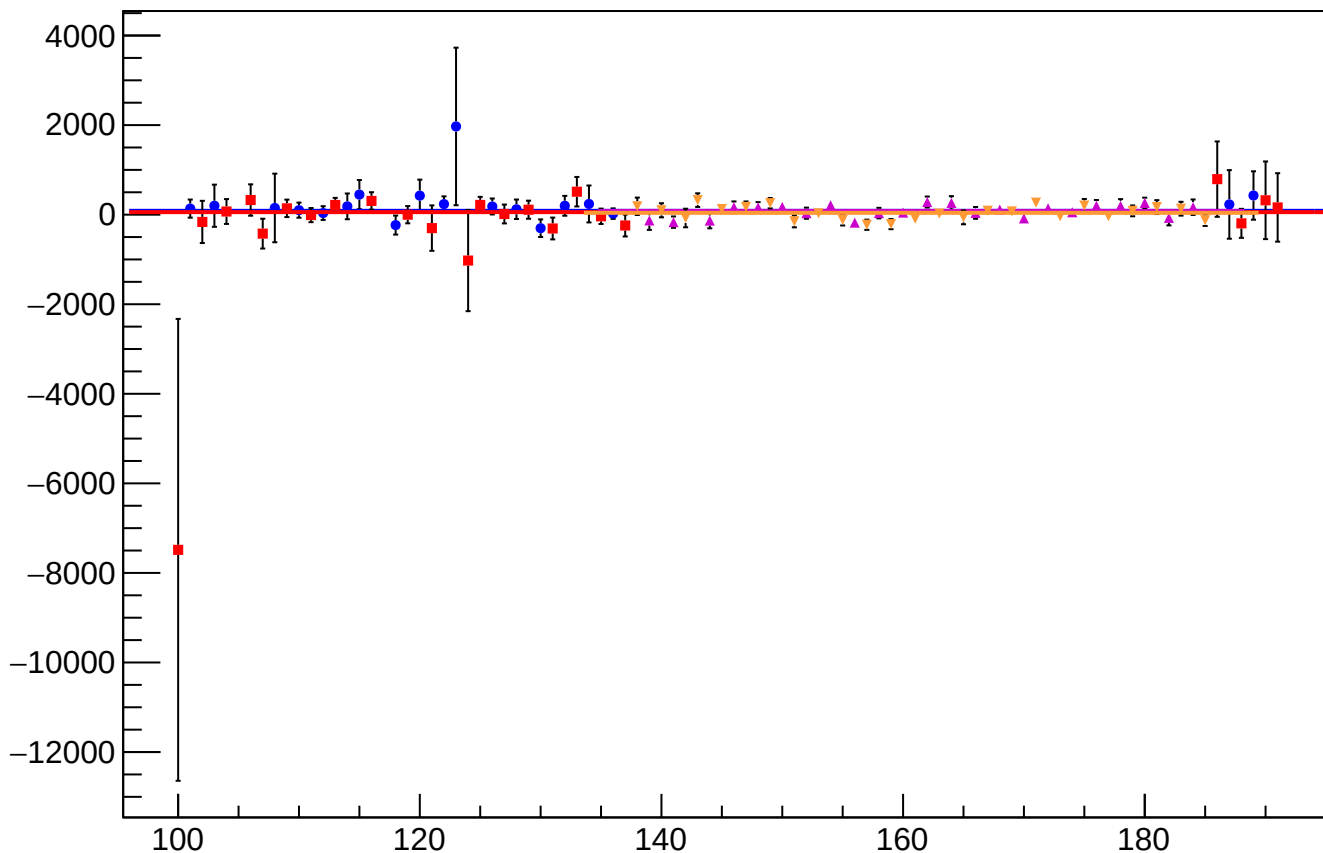
Right: 3867.483+/-0.712 χ^2/NDF : 3030356.0/41

In: 2193.678+/-0.325 χ^2/NDF : 4205551.4/41

Out: 2213.753+/-0.319 χ^2/NDF : 6189568.5/47

All: 2203.916+/-0.227 χ^2/NDF : 10397065.9/8

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 85.665+/-51.552 χ^2/NDF : 12.0/18

Left Out: 41.847+/-23.035 χ^2/NDF : 39.1/24

Right Out: 56.698+/-52.144 χ^2/NDF : 17.9/22

Left In: 82.630+/-24.154 χ^2/NDF : 28.6/22

Left: 61.273+/-16.670 χ^2/NDF : 69.2/47

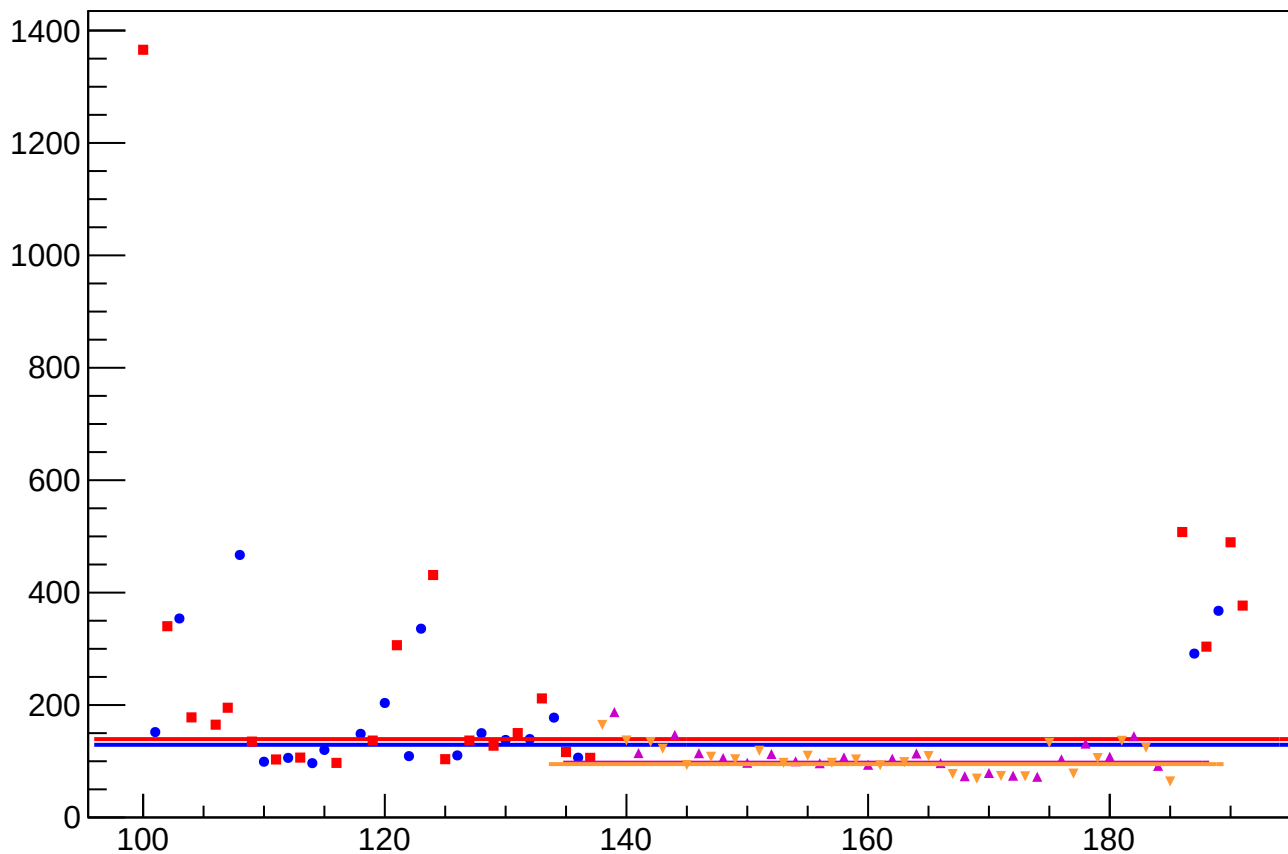
Right: 71.346+/-36.661 χ^2/NDF : 30.0/41

In: 83.176+/-21.872 χ^2/NDF : 40.6/41

Out: 44.272+/-21.071 χ^2/NDF : 57.1/47

All: 62.999+/-15.175 χ^2/NDF : 99.3/89

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 129.283+/-0.036 χ^2/NDF : 1795749.7/18

Left Out: 94.886+/-0.016 χ^2/NDF : 1796861.0/24

Right Out: 139.377+/-0.037 χ^2/NDF : 2897627.8/22

Left In: 97.499+/-0.017 χ^2/NDF : 1561333.1/22

Left: 96.131+/-0.012 χ^2/NDF : 3370445.2/47

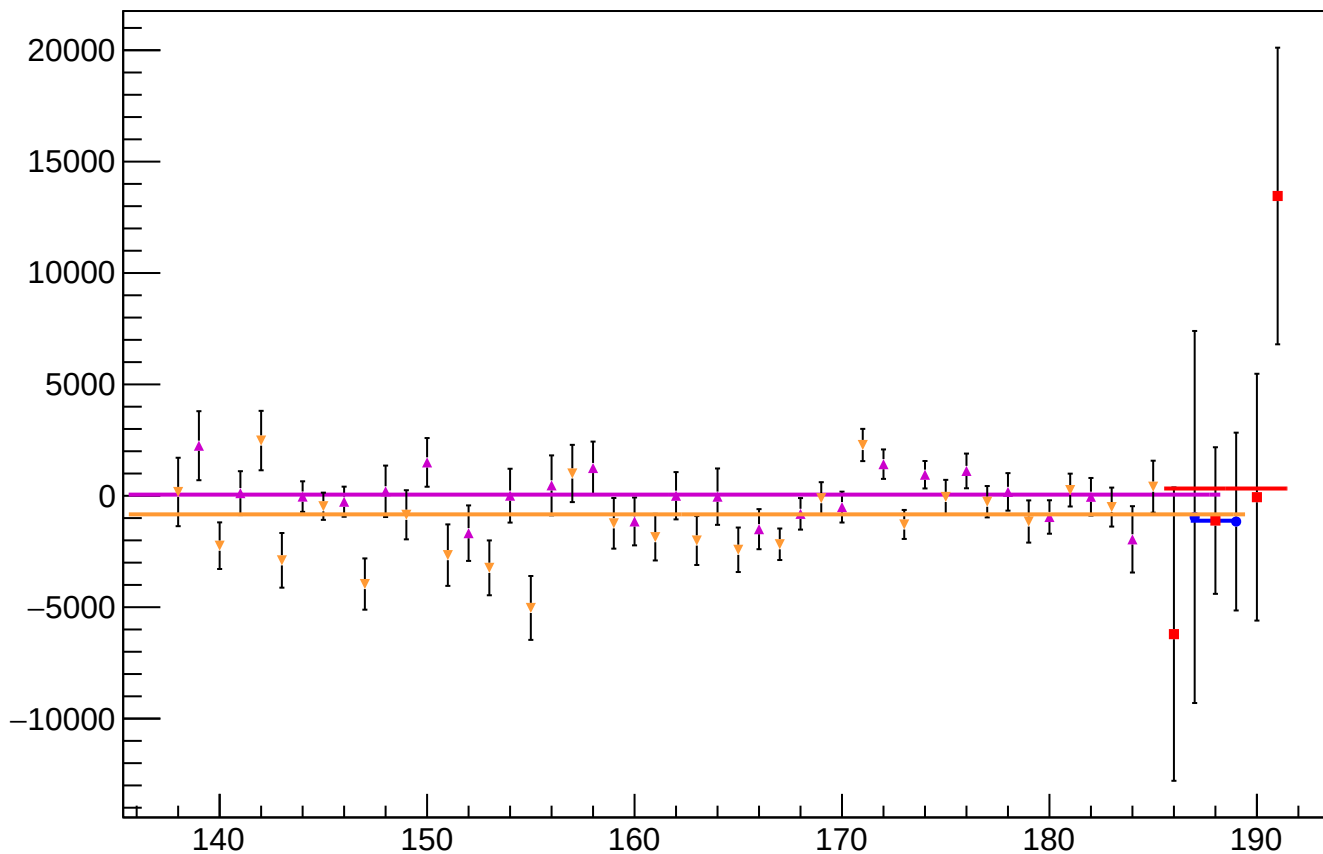
Right: 134.272+/-0.026 χ^2/NDF : 4731279.0/41

In: 103.220+/-0.015 χ^2/NDF : 3980493.1/41

Out: 102.151+/-0.015 χ^2/NDF : 5912723.1/47

All: 102.666+/-0.011 χ^2/NDF : 9895693.0/89

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: -1117.930 $\pm$ 3600.516 χ^2 /NDF: 0.0/1

Left Out: -832.580 $\pm$ 183.960 χ^2 /NDF:68.8/24

Right Out: 326.943 $\pm$ 2421.049 χ^2 /NDF: 5.1/3

Left In: 53.006 $\pm$ 184.870 χ^2 /NDF:25.3/22

Left: -391.972 $\pm$ 130.400 χ^2 /NDF: 105.7/47

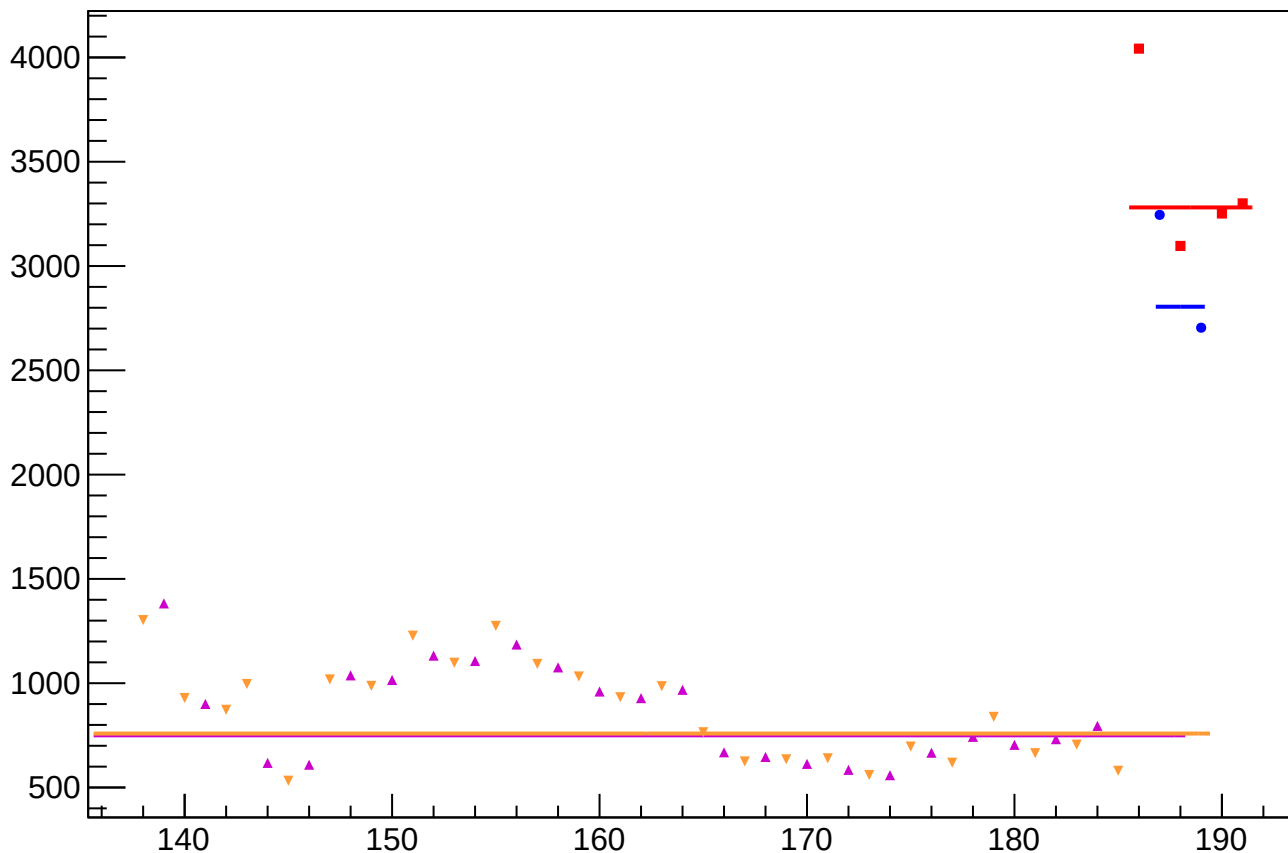
Right: -122.937 $\pm$ 2009.086 χ^2 /NDF: 5.2/5

In: 49.927 $\pm$ 184.627 χ^2 /NDF:25.4/24

Out: -825.924 $\pm$ 183.431 χ^2 /NDF:74.1/28

All: -390.843 $\pm$ 130.126 χ^2 /NDF: 110.9/53

asym_sam3_correction_rms vs Slug, Sign Corrected



Right In: 2804.944+/-2.546 χ^2/NDF : 6836.0/1

Left Out: 758.608+/-0.130 χ^2/NDF : 2453711.9/24

Right Out: 3280.973+/-1.712 χ^2/NDF : 33111.0/3

Left In: 749.995+/-0.131 χ^2/NDF : 2186634.5/22

Left: 754.323+/-0.092 χ^2/NDF : 4642527.3/47

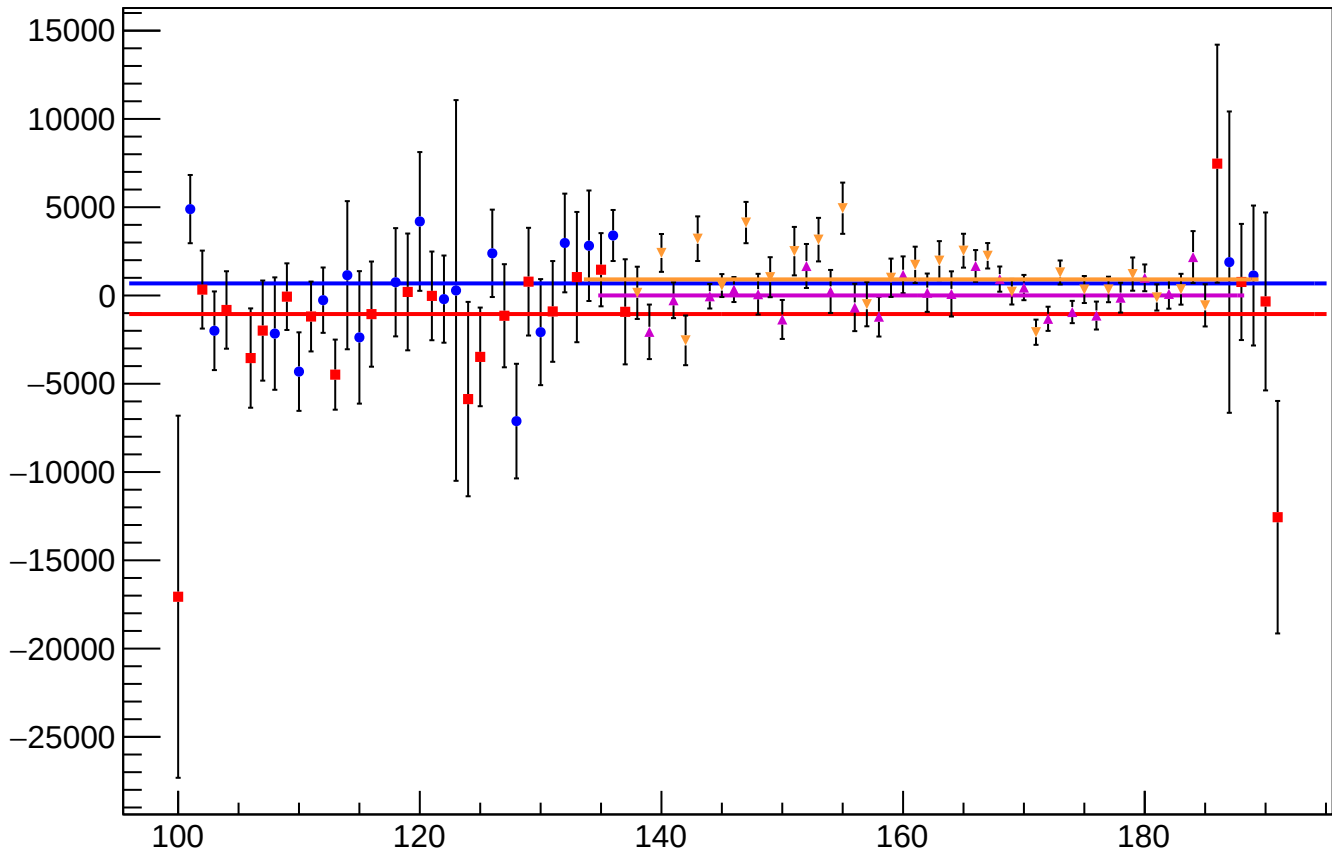
Right: 3132.755+/-1.421 χ^2/NDF : 64021.5/5

In: 755.399+/-0.131 χ^2/NDF : 2843239.3/24

Out: 773.087+/-0.130 χ^2/NDF : 4645256.8/28

All: 764.300+/-0.092 χ^2/NDF : 7497734.5/53

asym_sam3_mean vs Slug, Sign Corrected



Right In: 683.693 $\pm$ 609.869 χ^2 /NDF: 25.7/18

Left Out: 911.919 $\pm$ 186.104 χ^2 /NDF:64.9/24

Right Out: -1051.340 $\pm$ 584.167 χ^2 /NDF: 16.0/22

Left In: 2.470 $\pm$ 187.271 χ^2 /NDF:25.6/22

Left: 460.036 $\pm$ 132.006 χ^2 /NDF: 102.4/47

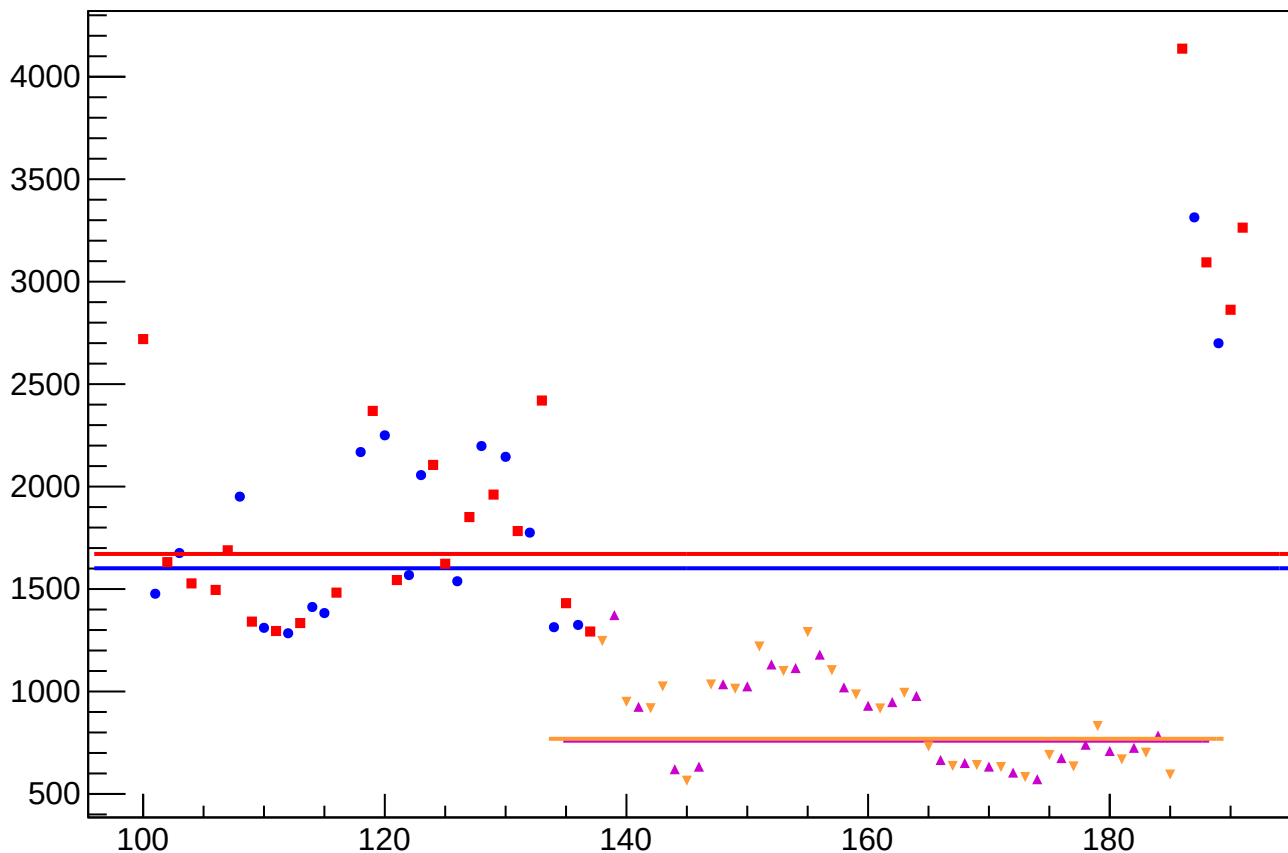
Right: -221.154 $\pm$ 421.862 χ^2 /NDF: 45.9/41

In: 61.168 $\pm$ 179.021 χ^2 /NDF:52.4/41

Out: 731.021 $\pm$ 177.323 χ^2 /NDF:91.1/47

All: 399.286 $\pm$ 125.982 χ^2 /NDF: 150.6/89

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1601.394 $\pm$ 0.431 χ^2 /NDF: 731499.4/18

Left Out: 769.207 $\pm$ 0.132 χ^2 /NDF: 2275390.6/24

Right Out: 1671.237 $\pm$ 0.413 χ^2 /NDF: 1385764.6/22

Left In: 759.935 $\pm$ 0.132 χ^2 /NDF: 2014703.5/22

Left: 764.600 $\pm$ 0.093 χ^2 /NDF: 4292560.8/47

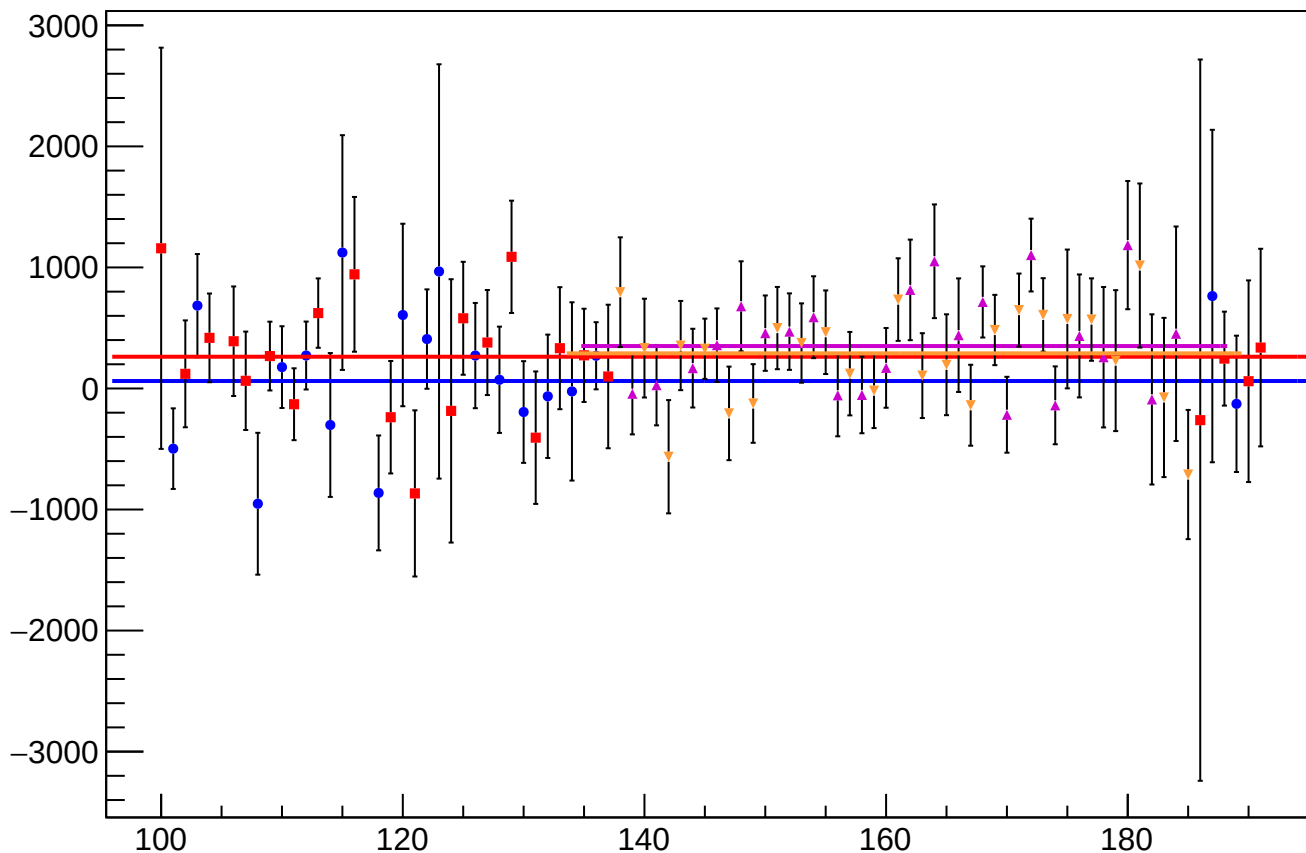
Right: 1637.818 $\pm$ 0.298 χ^2 /NDF: 2130943.5/41

In: 832.440 $\pm$ 0.127 χ^2 /NDF: 6225490.5/41

Out: 852.322 $\pm$ 0.125 χ^2 /NDF: 7990441.2/47

All: 842.476 $\pm$ 0.089 χ^2 /NDF: 14228383.3/89

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 61.620+/-103.248 χ^2/NDF : 17.1/18

Left Out: 290.293+/-72.910 χ^2/NDF : 22.3/24

Right Out: 262.294+/-94.938 χ^2/NDF : 14.8/22

Left In: 350.522+/-75.911 χ^2/NDF : 27.4/22

Left: 319.194+/-52.584 χ^2/NDF : 50.1/47

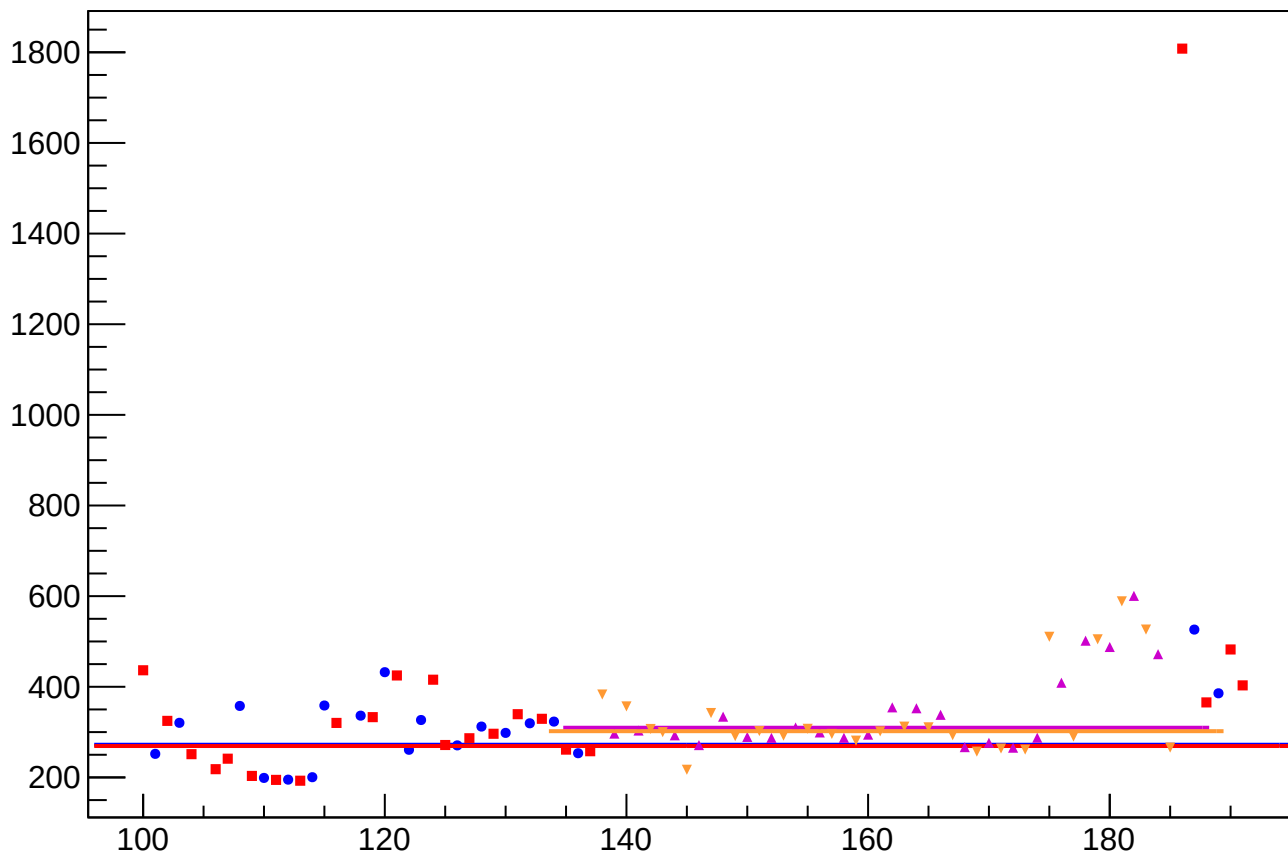
Right: 170.356+/-69.885 χ^2/NDF : 34.0/41

In: 249.151+/-61.160 χ^2/NDF : 49.6/41

Out: 279.906+/-57.825 χ^2/NDF : 37.2/47

All: 265.390+/-42.018 χ^2/NDF : 86.9/89

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 272.091+/-0.073 χ^2/NDF : 705904.7/18

Left Out: 302.040+/-0.052 χ^2/NDF :1597233.8/24

Right Out: 269.305+/-0.067 χ^2/NDF : 1572258.5/22

Left In: 309.609+/-0.054 χ^2/NDF :1180280.8/22

Left: 305.672+/-0.037 χ^2/NDF : 2787857.1/47

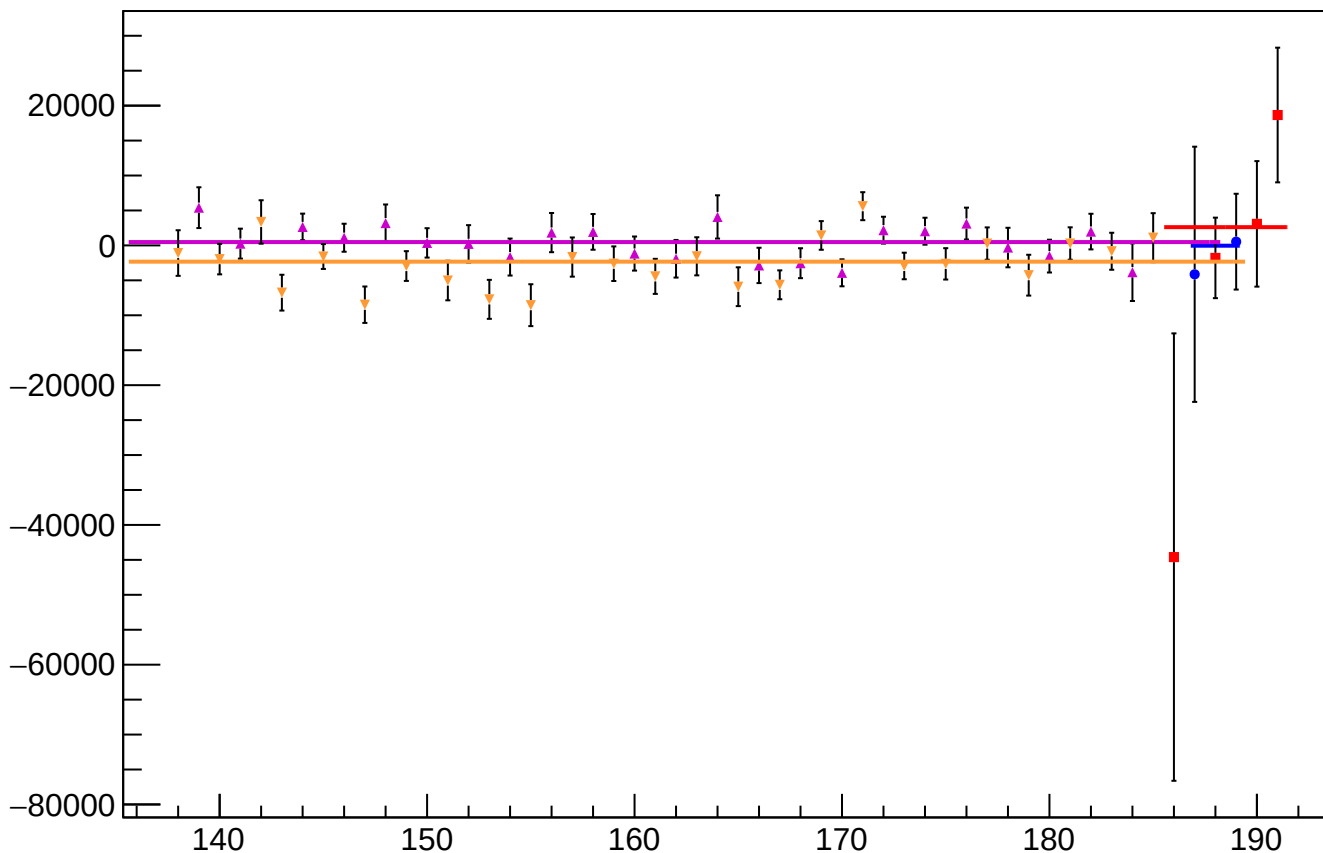
Right: 270.581+/-0.049 χ^2/NDF : 2278952.0/41

In: 296.445+/-0.043 χ^2/NDF :2057611.1/41

Out: 289.896+/-0.041 χ^2/NDF :3319060.9/47

All: 292.987+/-0.030 χ^2/NDF : 5388778.4/89

asym_sam4_correction_mean vs Slug, Sign Corrected



Right In: -42.720 ± 6416.931 χ^2/NDF : 0.1/1

Left Out: -2325.488 ± 486.043 χ^2/NDF : 49.8/24

Right Out: 2611.296 ± 4292.868 χ^2/NDF : 5.5/3

Left In: 477.779 ± 494.228 χ^2/NDF : 23.1/22

Left: -947.260 ± 346.542 χ^2/NDF : 89.2/47

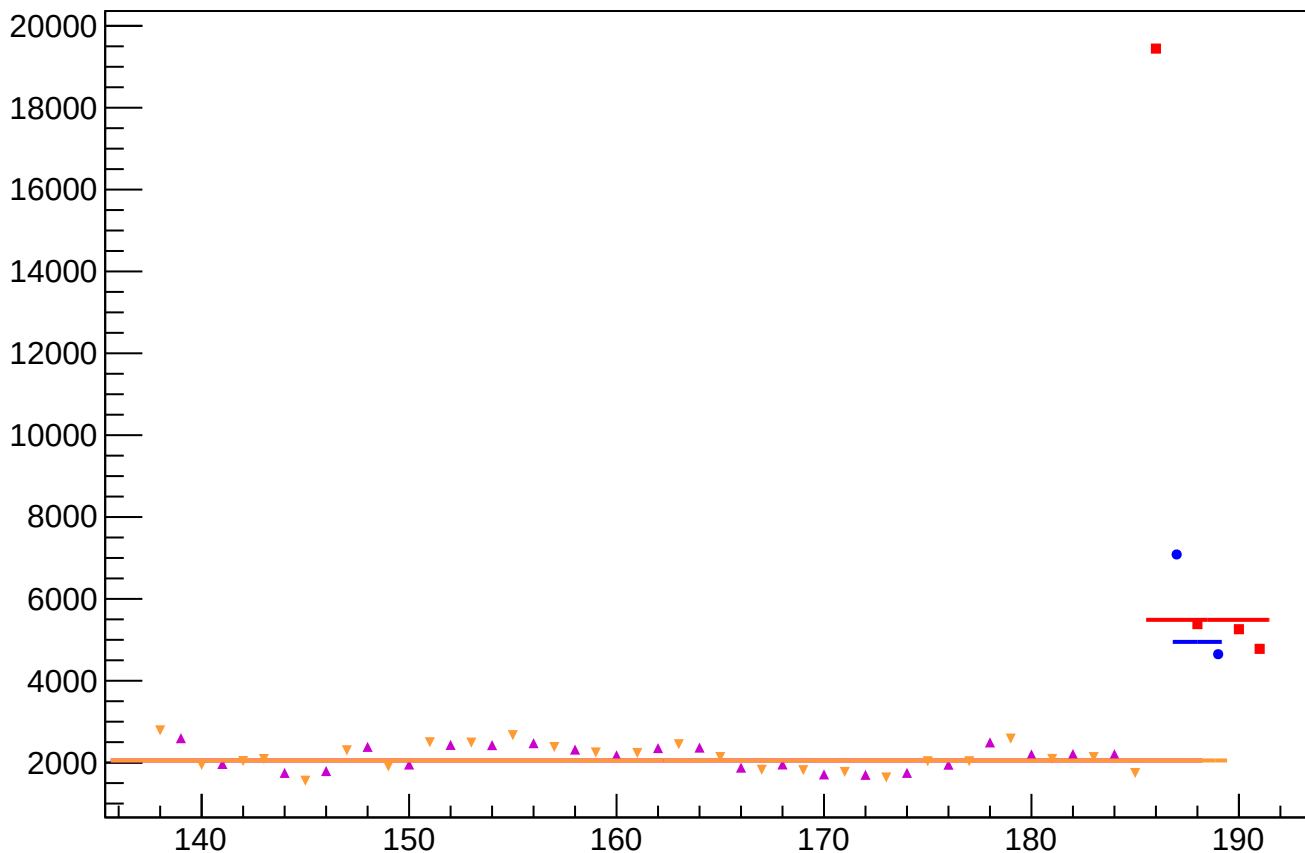
Right: 1790.736 ± 3568.050 χ^2/NDF : 5.7/5

In: 474.710 ± 492.769 χ^2/NDF : 23.1/24

Out: -2263.004 ± 482.957 χ^2/NDF : 56.7/28

All: -921.674 ± 344.919 χ^2/NDF : 95.5/53

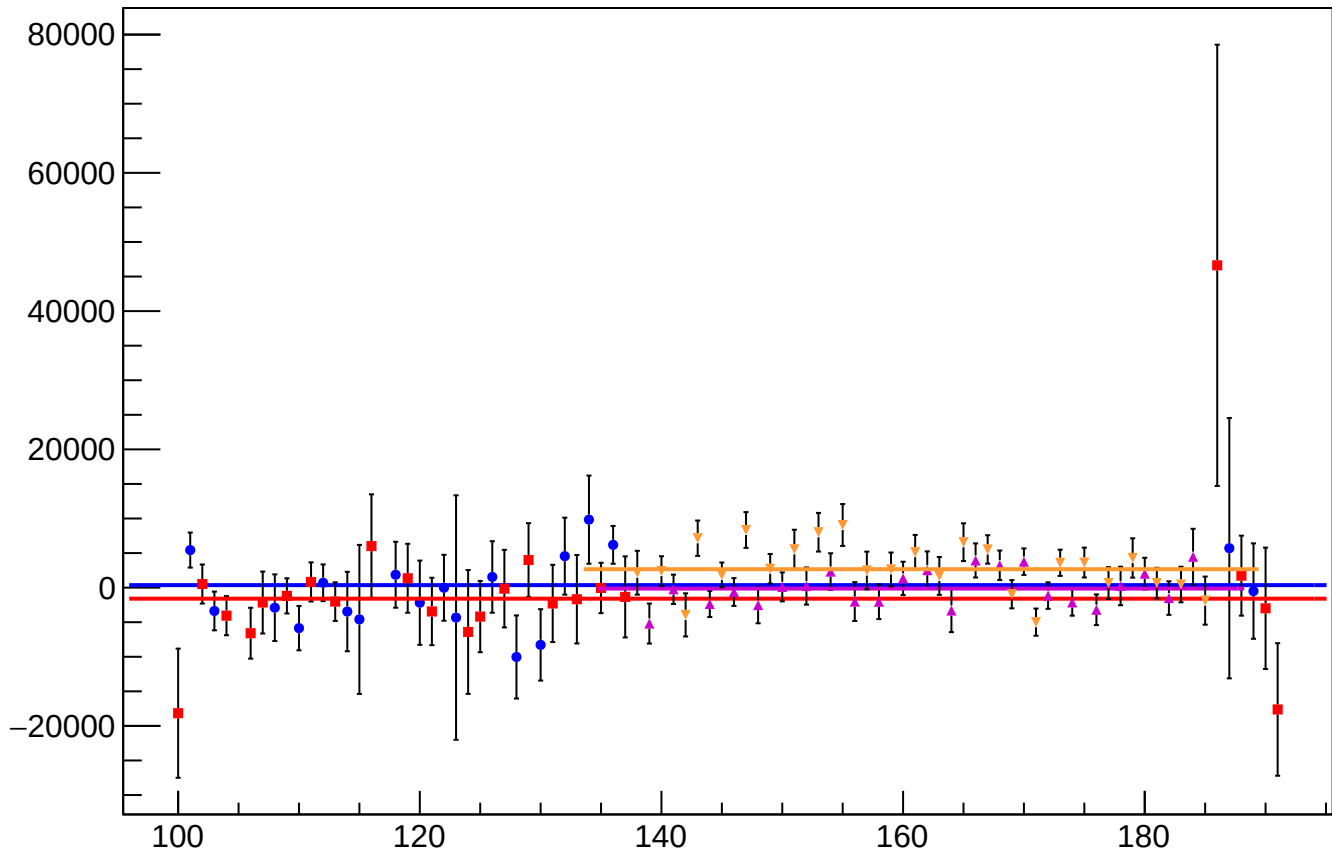
asym_sam4_correction_rms vs Slug, Sign Corrected



Right In: 4949.826+/-4.537 χ^2/NDF : 31214.1/1
 Left Out: 2052.401+/-0.344 χ^2/NDF : 838023.2/24
 Right Out: 5488.494+/-3.036 χ^2/NDF : 392884.9/3
 Left In: 2052.384+/-0.349 χ^2/NDF : 653872.2/22

Left: 2052.392+/-0.245 χ^2/NDF : 1491895.3/47
 Right: 5321.950+/-2.523 χ^2/NDF : 433835.0/5
 In: 2069.470+/-0.348 χ^2/NDF : 1090441.8/24
 Out: 2095.890+/-0.342 χ^2/NDF : 2496031.7/28
 All: 2082.946+/-0.244 χ^2/NDF : 3589406.0/53

asym_sam4_mean vs Slug, Sign Corrected



Right In: 363.503 ± 981.042 $\chi^2/\text{NDF}: 24.3/18$

Left Out: 2667.050 ± 480.963 $\chi^2/\text{NDF}: 50.0/24$

Right Out: -1596.290 ± 903.140 $\chi^2/\text{NDF}: 16.0/22$

Left In: -132.307 ± 489.752 $\chi^2/\text{NDF}: 24.7/22$

Left: 1292.715 ± 343.157 $\chi^2/\text{NDF}: 91.3/47$

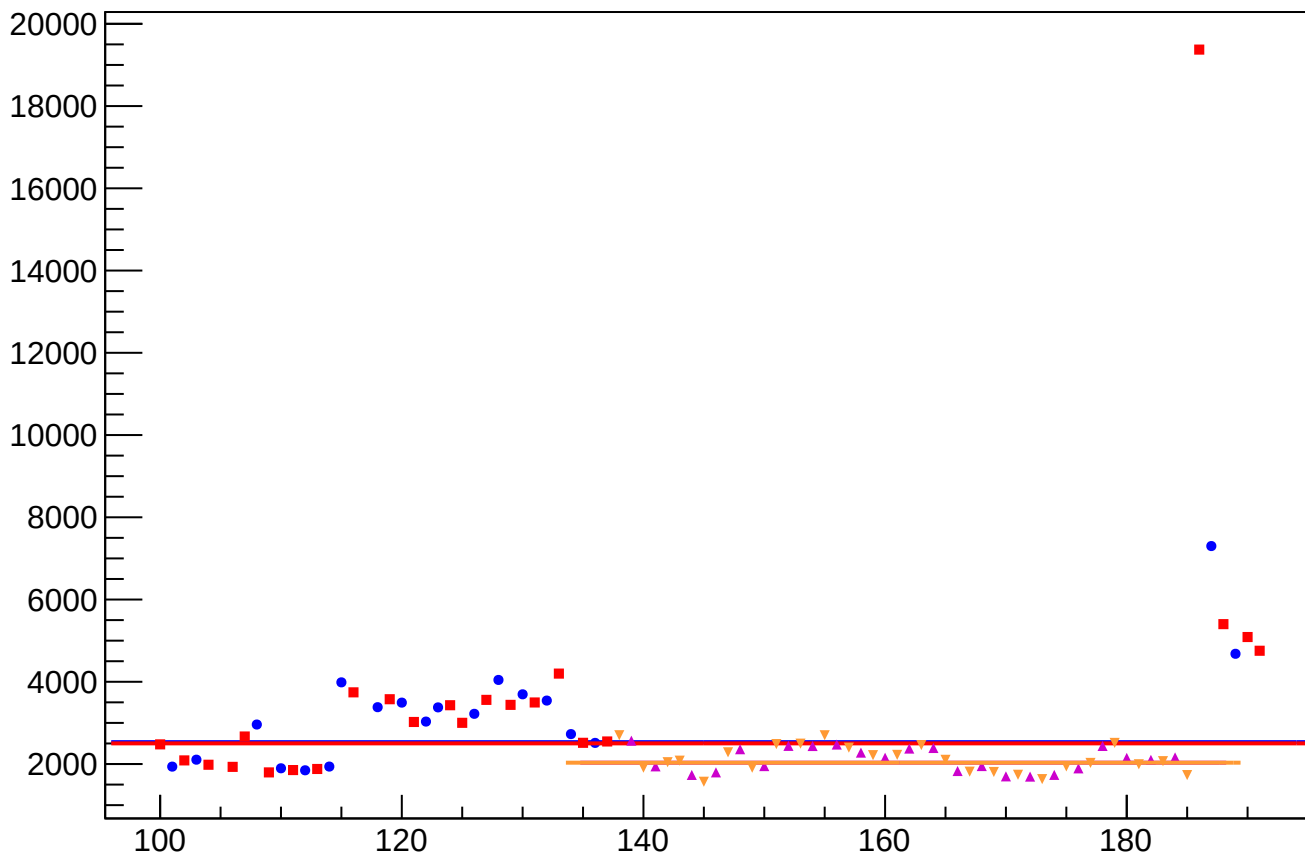
Right: -697.284 ± 664.452 $\chi^2/\text{NDF}: 42.4/41$

In: -33.394 ± 438.185 $\chi^2/\text{NDF}: 49.2/41$

Out: 1725.091 ± 424.518 $\chi^2/\text{NDF}: 83.3/47$

All: 873.699 ± 304.897 $\chi^2/\text{NDF}: 140.8/89$

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2532.063+/-0.694 χ^2/NDF : 1235108.5/18

Left Out: 2032.502+/-0.340 χ^2/NDF : 824418.6/24

Right Out: 2502.241+/-0.639 χ^2/NDF : 2413404.7/22

Left In: 2031.692+/-0.346 χ^2/NDF : 653382.0/22

Left: 2032.104+/-0.243 χ^2/NDF : 1477803.4/47

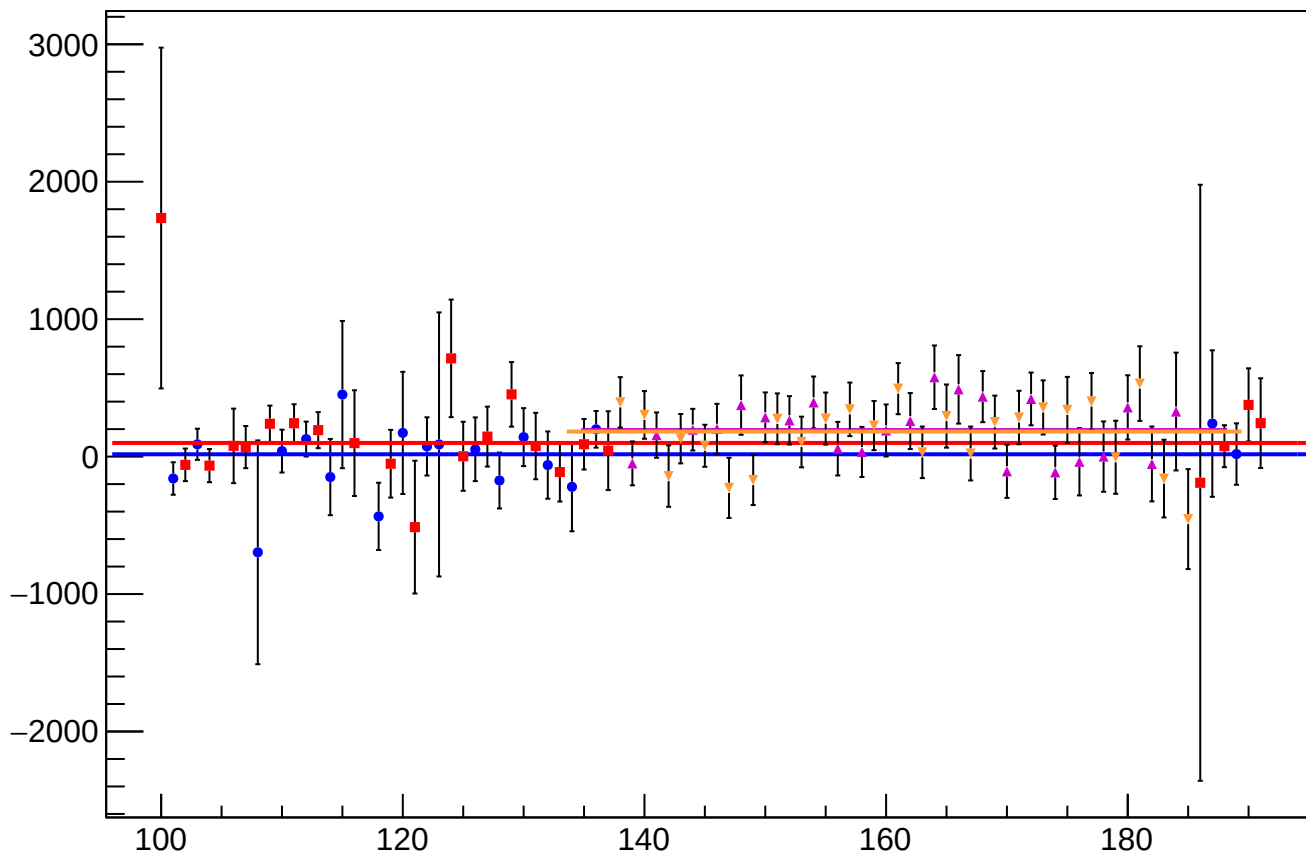
Right: 2515.921+/-0.470 χ^2/NDF : 3649513.5/41

In: 2131.515+/-0.310 χ^2/NDF : 2304977.4/41

Out: 2136.288+/-0.300 χ^2/NDF : 3659328.0/47

All: 2133.977+/-0.216 χ^2/NDF : 5964427.8/89

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 17.065+/-45.308 χ^2/NDF : 12.7/18

Left Out: 182.238+/-40.102 χ^2/NDF : 26.9/24

Right Out: 99.500+/-40.837 χ^2/NDF : 17.0/22

Left In: 193.004+/-41.384 χ^2/NDF : 21.1/22

Left: 187.451+/-28.799 χ^2/NDF : 48.0/47

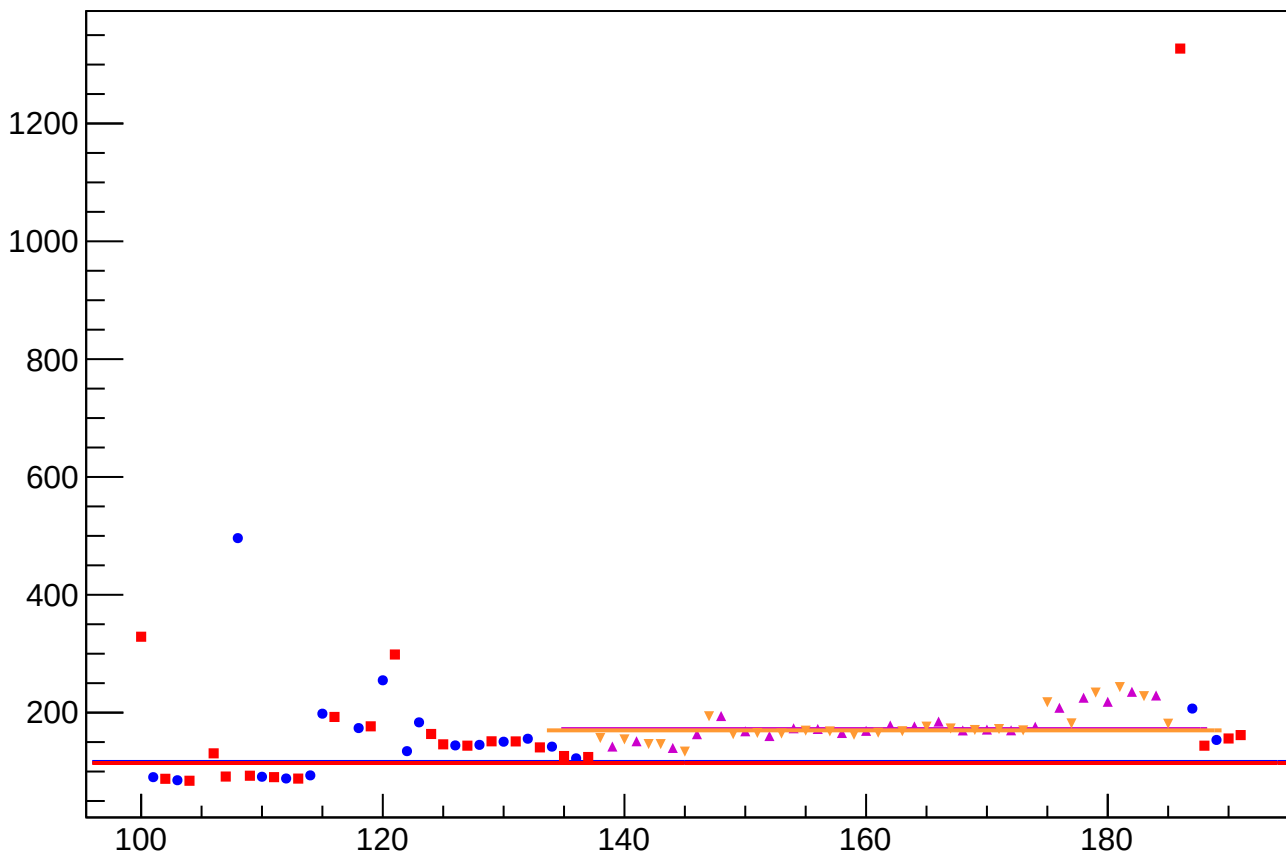
Right: 62.549+/-30.334 χ^2/NDF : 31.6/41

In: 112.980+/-30.556 χ^2/NDF : 42.0/41

Out: 141.620+/-28.613 χ^2/NDF : 46.0/47

All: 128.240+/-20.886 χ^2/NDF : 88.5/89

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 116.234+/-0.032 χ^2/NDF : 1526560.8/18

Left Out: 169.906+/-0.028 χ^2/NDF : 663159.2/24

Right Out: 114.500+/-0.029 χ^2/NDF : 2057246.5/22

Left In: 172.065+/-0.029 χ^2/NDF : 589733.9/22

Left: 170.952+/-0.020 χ^2/NDF : 1255701.2/47

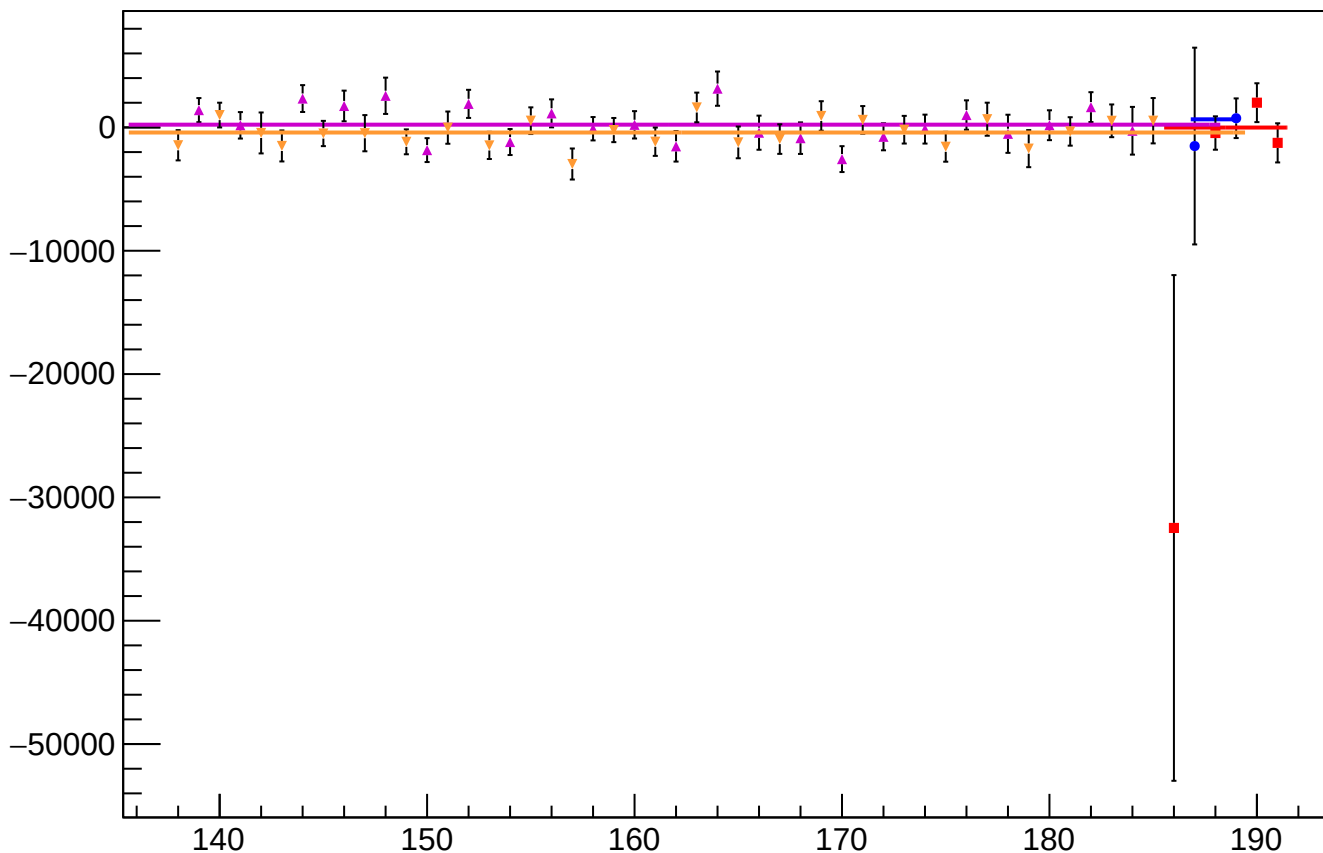
Right: 115.277+/-0.021 χ^2/NDF : 3585422.5/41

In: 146.671+/-0.022 χ^2/NDF : 3771945.7/41

Out: 142.707+/-0.020 χ^2/NDF : 4594595.0/47

All: 144.559+/-0.015 χ^2/NDF : 8384479.9/89

asym_sam5_correction_mean vs Slug, Sign Corrected



Right In: 656.750 ± 1576.256 χ^2/NDF : 0.1/1

Left Out: -412.804 ± 240.278 χ^2/NDF : 19.0/24

Right Out: -10.135 ± 861.420 χ^2/NDF : 4.9/3

Left In: 223.332 ± 243.771 χ^2/NDF : 36.0/22

Left: -99.327 ± 171.124 χ^2/NDF : 58.5/47

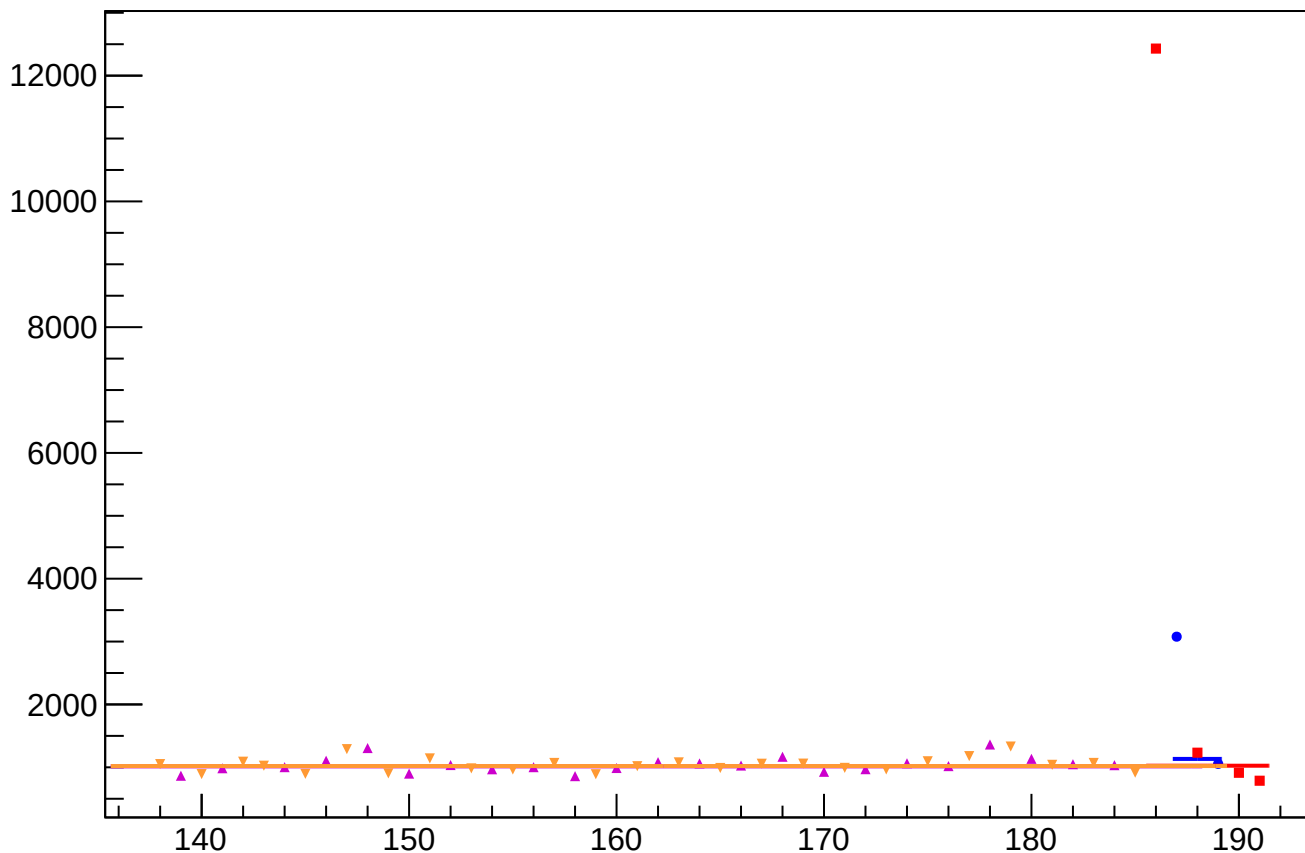
Right: 143.232 ± 755.905 χ^2/NDF : 5.1/5

In: 233.456 ± 240.907 χ^2/NDF : 36.2/24

Out: -383.737 ± 231.443 χ^2/NDF : 24.1/28

All: -87.502 ± 166.901 χ^2/NDF : 63.7/53

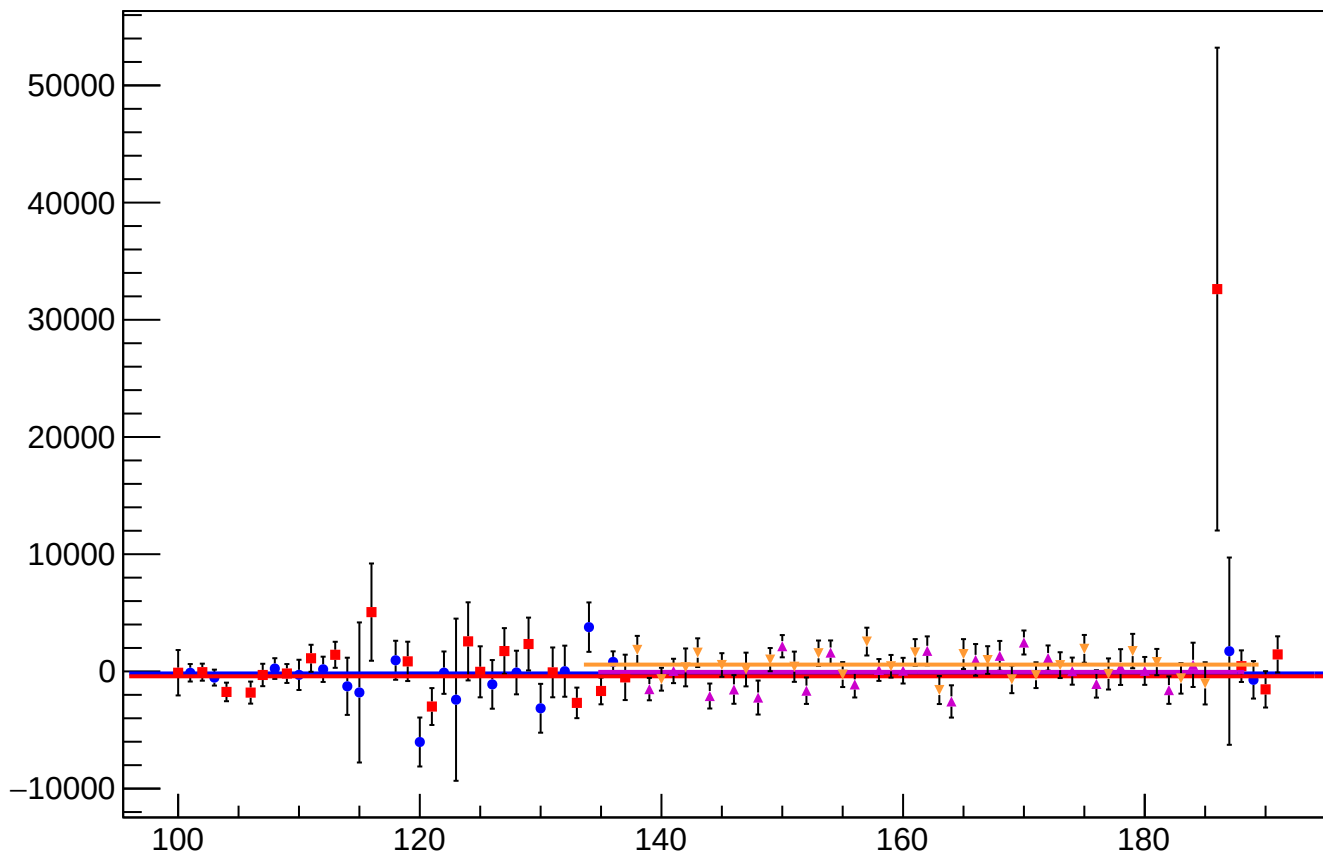
asym_sam5_correction_rms vs Slug, Sign Corrected



Right In: 1133.654 $\pm$ 1.115 χ^2 /NDF: 123583.4/1
 Left Out: 1020.149 $\pm$ 0.170 χ^2 /NDF: 369866.7/24
 Right Out: 1025.581 $\pm$ 0.609 χ^2 /NDF: 721084.0/3
 Left In: 1015.000 $\pm$ 0.172 χ^2 /NDF: 404865.5/22

Left: 1017.611 $\pm$ 0.121 χ^2 /NDF: 775184.8/47
 Right: 1050.435 $\pm$ 0.535 χ^2 /NDF: 851907.1/5
 In: 1017.771 $\pm$ 0.170 χ^2 /NDF: 539517.1/24
 Out: 1020.541 $\pm$ 0.164 χ^2 /NDF: 1091024.6/28
 All: 1019.211 $\pm$ 0.118 χ^2 /NDF: 1630679.2/53

asym_sam5_mean vs Slug, Sign Corrected



Right In: -175.091 ± 306.465 $\chi^2/\text{NDF}: 16.4/18$

Left Out: 580.226 ± 235.583 $\chi^2/\text{NDF}: 18.4/24$

Right Out: -418.658 ± 268.266 $\chi^2/\text{NDF}: 27.7/22$

Left In: -42.397 ± 239.278 $\chi^2/\text{NDF}: 37.9/22$

Left: 273.759 ± 167.873 $\chi^2/\text{NDF}: 59.7/47$

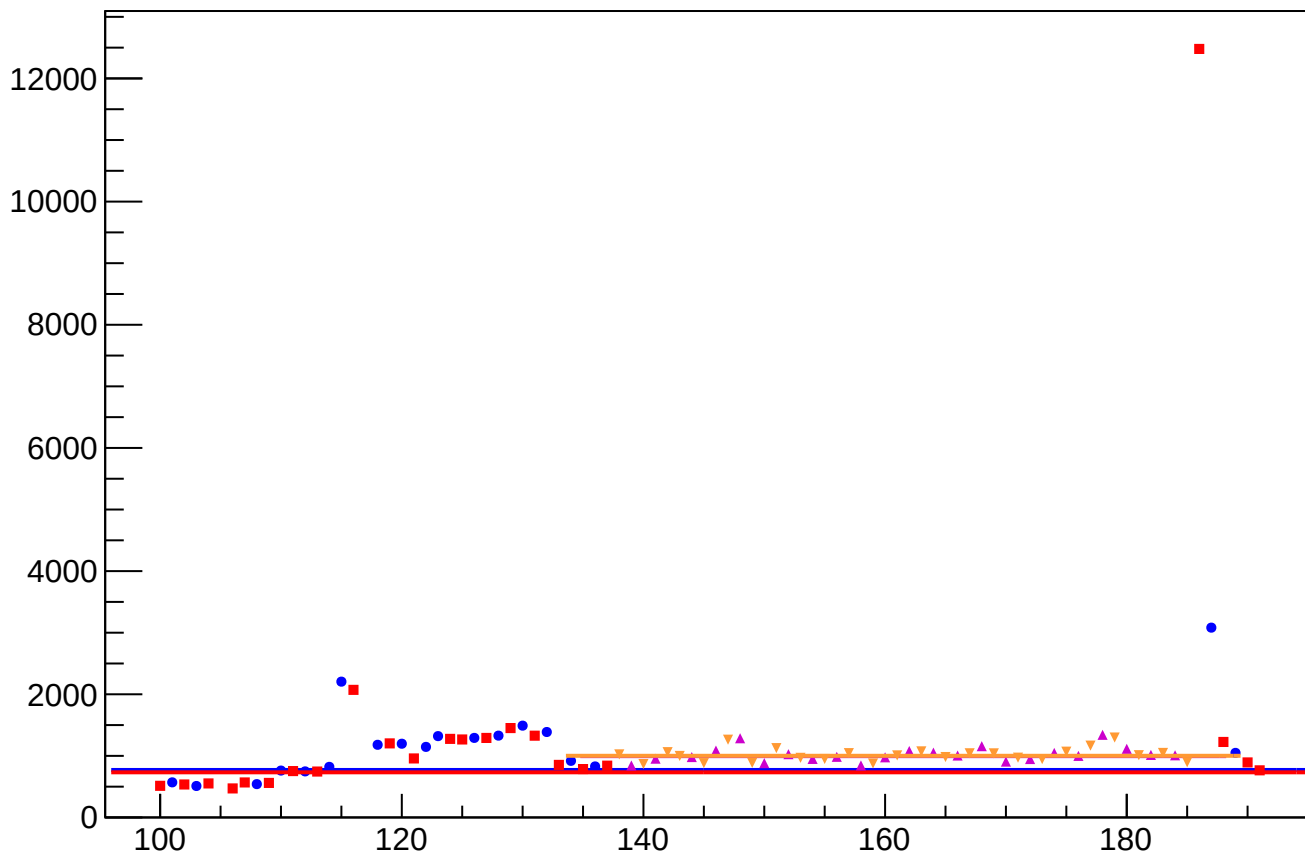
Right: -312.992 ± 201.855 $\chi^2/\text{NDF}: 44.4/41$

In: -92.652 ± 188.601 $\chi^2/\text{NDF}: 54.4/41$

Out: 145.306 ± 177.016 $\chi^2/\text{NDF}: 53.9/47$

All: 33.859 ± 129.071 $\chi^2/\text{NDF}: 109.1/89$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 771.130+/-0.217 χ^2/NDF : 1942988.3/18

Left Out: 1001.233+/-0.167 χ^2/NDF : 370278.3/24

Right Out: 732.975+/-0.190 χ^2/NDF : 2652613.6/22

Left In: 995.590+/-0.169 χ^2/NDF : 424434.6/22

Left: 998.455+/-0.119 χ^2/NDF : 795277.7/47

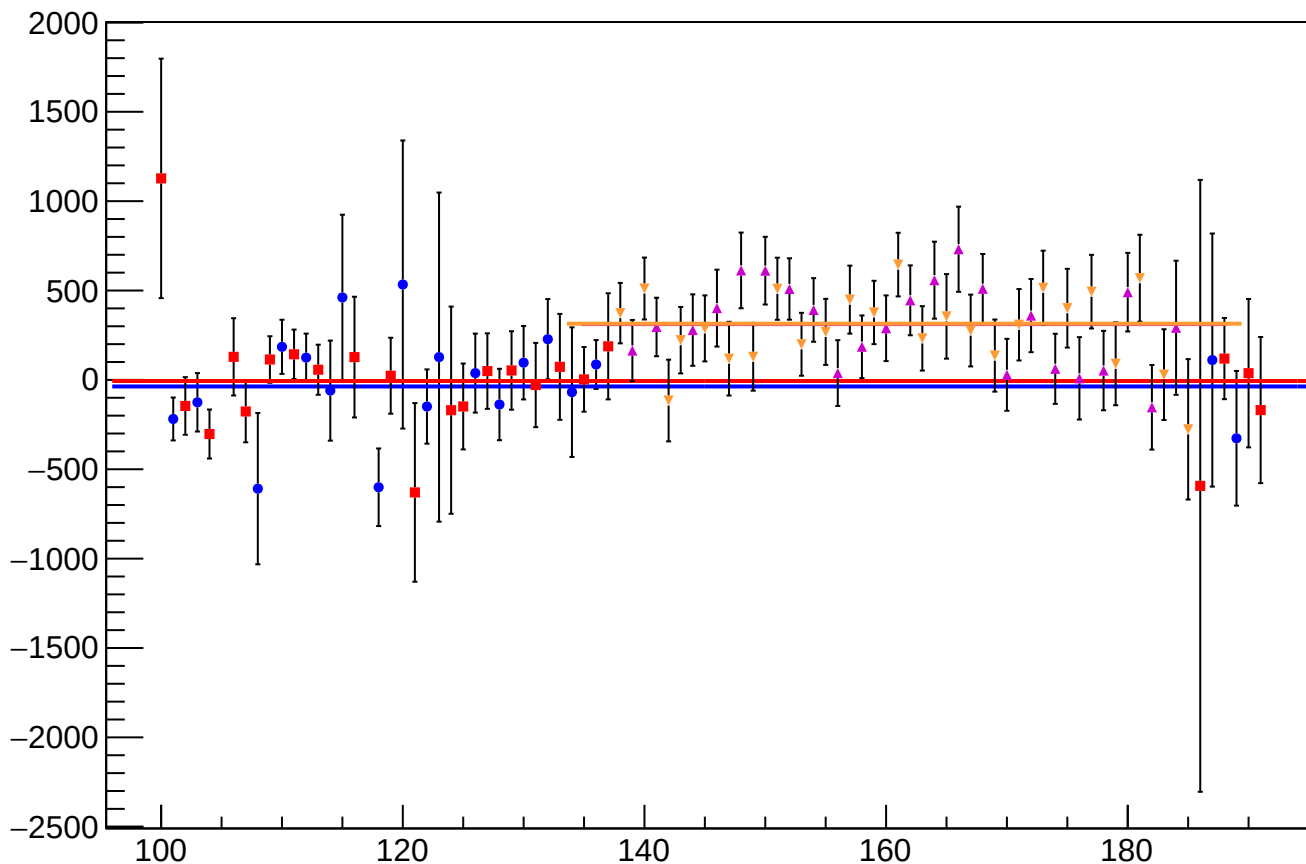
Right: 749.528+/-0.143 χ^2/NDF : 4613153.5/41

In: 910.581+/-0.133 χ^2/NDF : 3033964.3/41

Out: 884.432+/-0.125 χ^2/NDF : 4152010.6/47

All: 896.679+/-0.091 χ^2/NDF : 7206415.0/89

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -36.794 $\pm$ 47.926 χ^2 /NDF: 20.4/18

Left Out: 314.517 $\pm$ 39.818 χ^2 /NDF:21.4/24

Right Out: -6.137 $\pm$ 44.175 χ^2 /NDF: 15.3/22

Left In: 312.097 $\pm$ 41.646 χ^2 /NDF:26.9/22

Left: 313.361 $\pm$ 28.780 χ^2 /NDF: 48.3/47

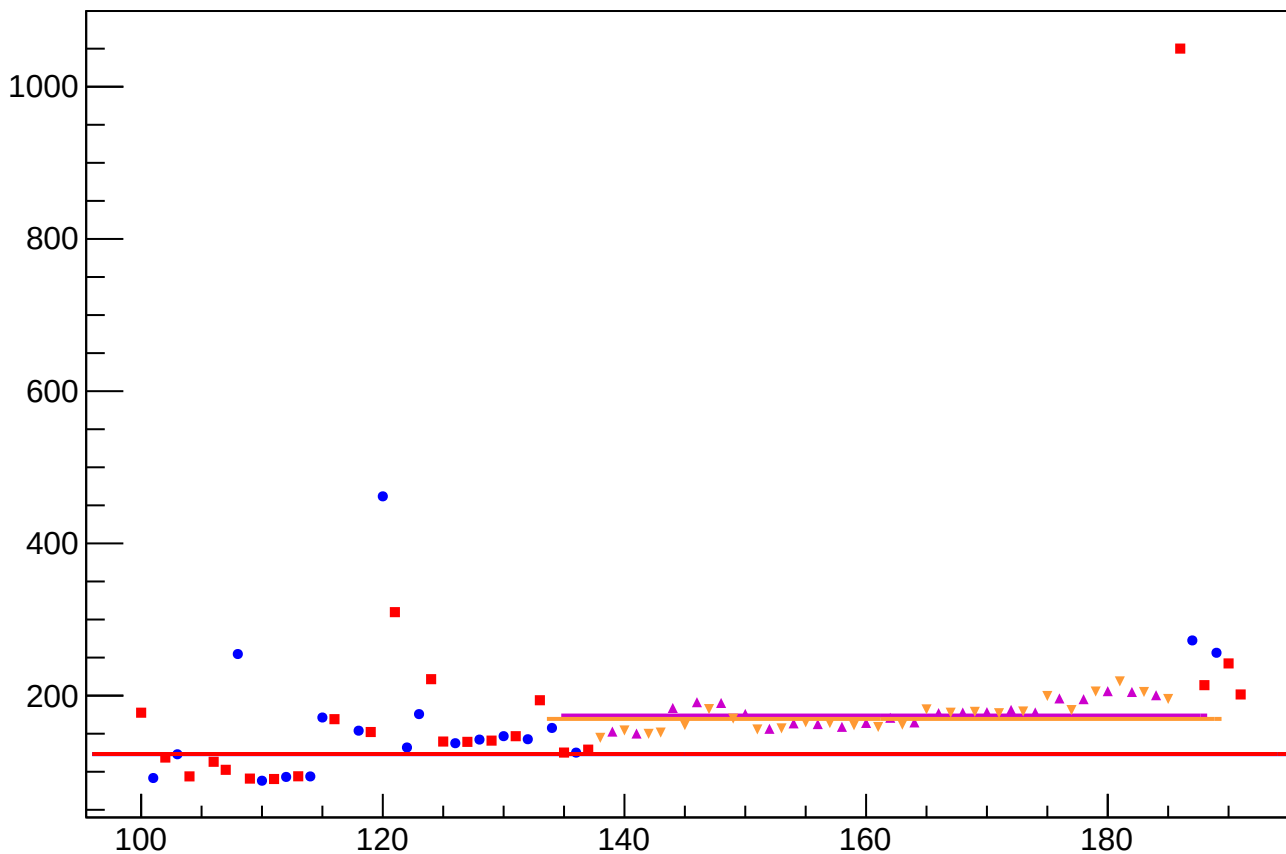
Right: -20.219 $\pm$ 32.482 χ^2 /NDF: 35.9/41

In: 161.994 $\pm$ 31.435 χ^2 /NDF:77.5/41

Out: 170.780 $\pm$ 29.576 χ^2 /NDF:65.7/47

All: 166.654 $\pm$ 21.541 χ^2 /NDF: 143.3/89

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 123.108 $\pm$ 0.034 χ^2 /NDF: 1408690.4/18

Left Out: 169.432 $\pm$ 0.028 χ^2 /NDF: 386461.5/24

Right Out: 123.331 $\pm$ 0.031 χ^2 /NDF: 2182454.6/22

Left In: 173.847 $\pm$ 0.029 χ^2 /NDF: 291729.8/22

Left: 171.540 $\pm$ 0.020 χ^2 /NDF: 689934.9/47

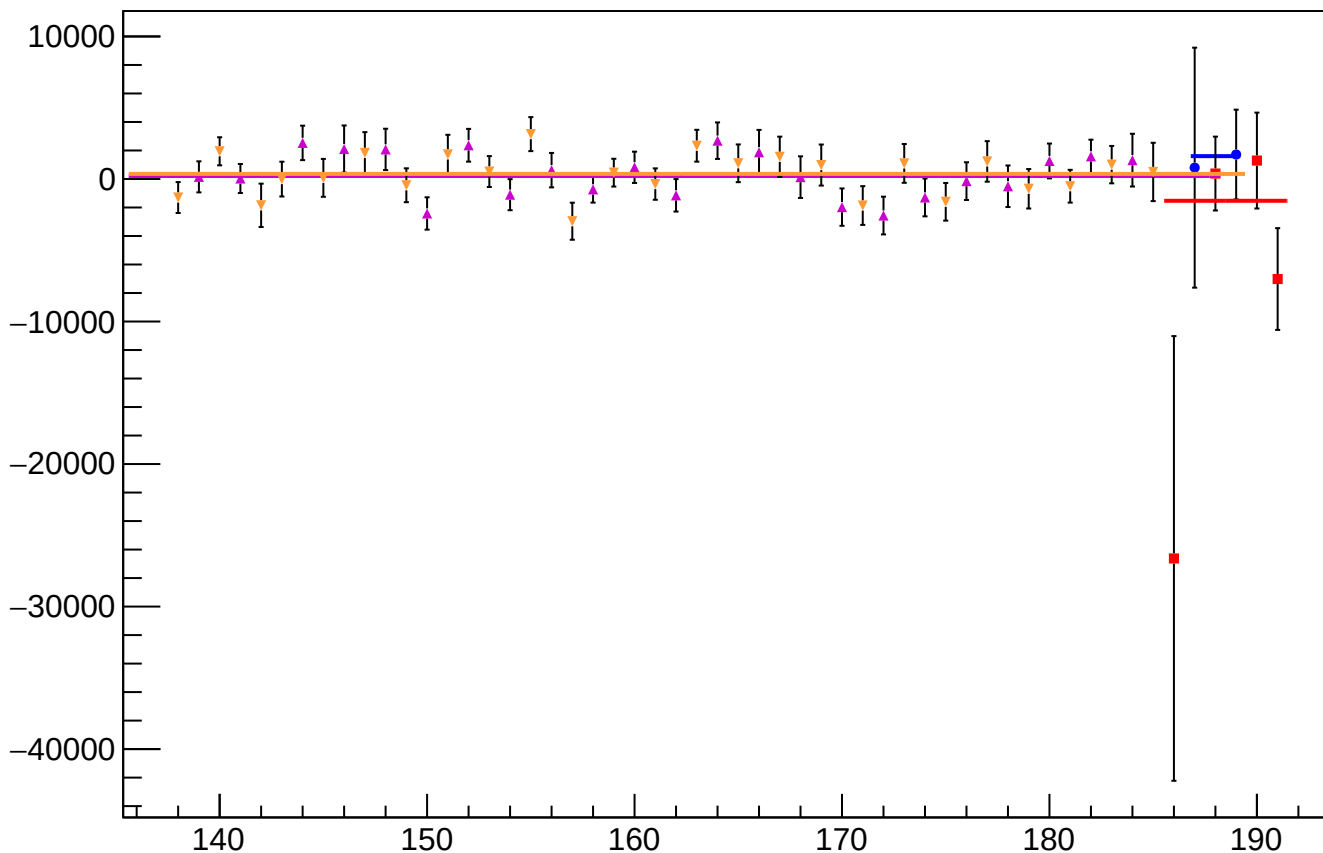
Right: 123.229 $\pm$ 0.023 χ^2 /NDF: 3591168.5/41

In: 152.017 $\pm$ 0.022 χ^2 /NDF: 2977671.2/41

Out: 148.767 $\pm$ 0.021 χ^2 /NDF: 3770671.8/47

All: 150.293 $\pm$ 0.015 χ^2 /NDF: 6759687.5/89

asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: 1602.819+/-2949.160 χ^2/NDF : 0.0/1

Left Out: 356.612+/-250.934 χ^2/NDF :33.4/24

Right Out: -1529.002+/-1767.797 χ^2/NDF : 6.2/3

Left In: 212.007+/-257.383 χ^2/NDF :36.0/22

Left: 286.144+/-179.674 χ^2/NDF : 69.6/47

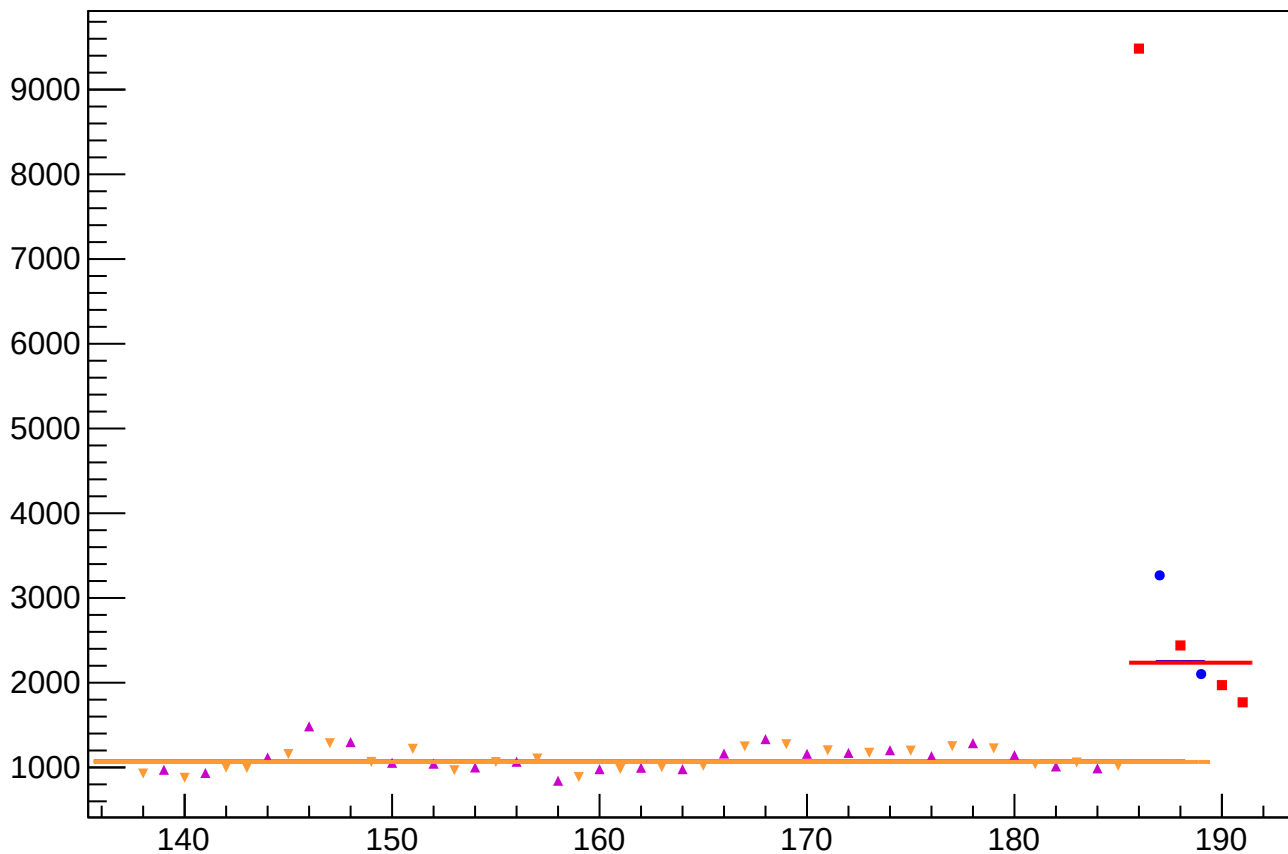
Right: -701.161+/-1516.259 χ^2/NDF : 7.0/5

In: 222.520+/-256.409 χ^2/NDF :36.3/24

Out: 319.369+/-248.444 χ^2/NDF :40.7/28

All: 272.472+/-178.426 χ^2/NDF : 77.0/53

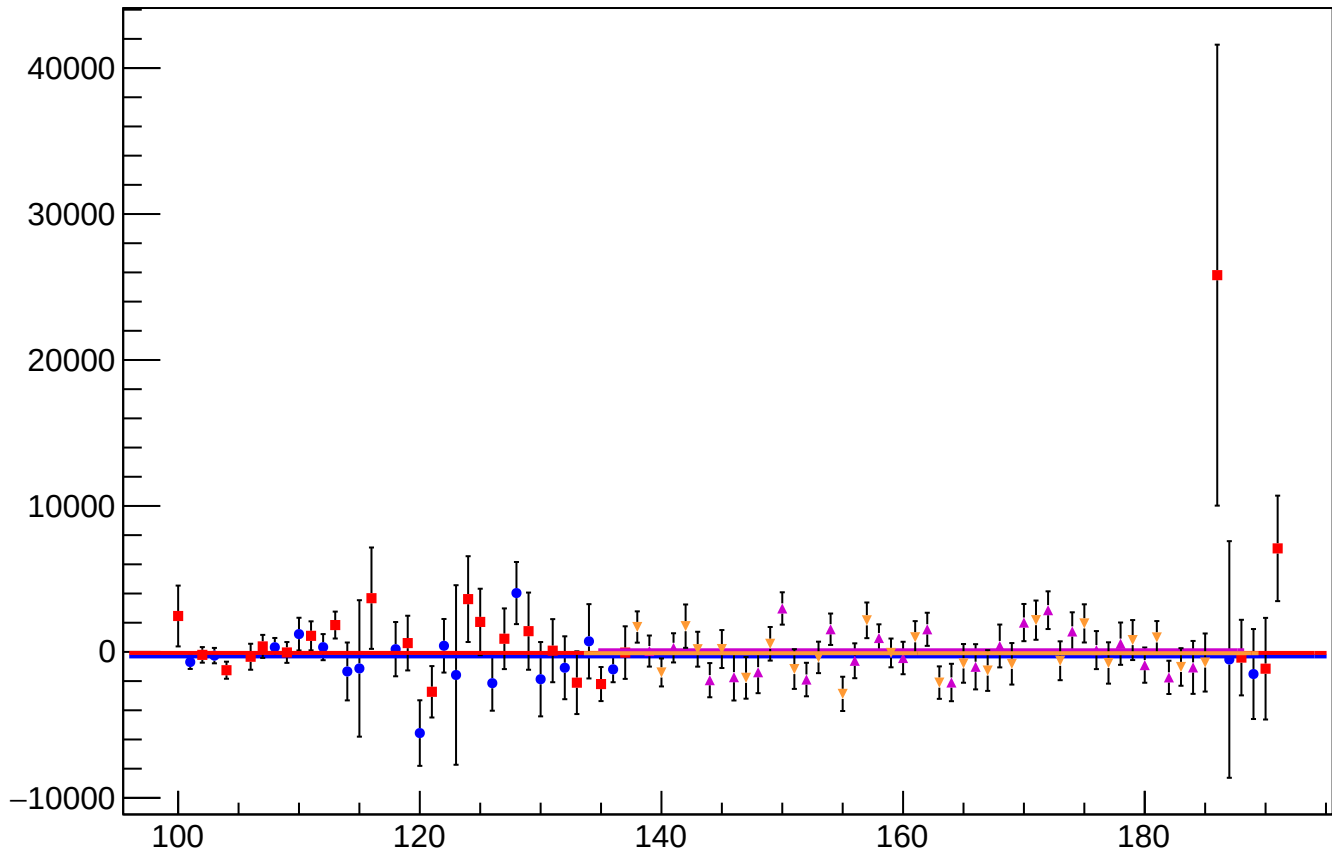
asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 2244.762 $\pm$ 2.085 χ^2 /NDF: 33598.0/1
 Left Out: 1064.868 $\pm$ 0.177 χ^2 /NDF: 493614.2/24
 Right Out: 2236.135 $\pm$ 1.250 χ^2 /NDF: 490738.2/3
 Left In: 1070.694 $\pm$ 0.182 χ^2 /NDF: 570407.8/22

Left: 1067.707 $\pm$ 0.127 χ^2 /NDF: 1064547.2/47
 Right: 2238.416 $\pm$ 1.072 χ^2 /NDF: 524348.8/5
 In: 1079.568 $\pm$ 0.181 χ^2 /NDF: 918581.3/24
 Out: 1088.002 $\pm$ 0.176 χ^2 /NDF: 1844976.2/28
 All: 1083.918 $\pm$ 0.126 χ^2 /NDF: 2764673.5/53

asym_sam6_mean vs Slug, Sign Corrected



Right In: -309.136+/-249.106 χ^2/NDF : 17.0/18

Left Out: -89.632+/-247.271 χ^2/NDF : 31.0/24

Right Out: -69.663+/-243.689 χ^2/NDF : 29.3/22

Left In: 110.879+/-254.337 χ^2/NDF : 35.2/22

Left: 7.800+/-177.292 χ^2/NDF : 66.4/47

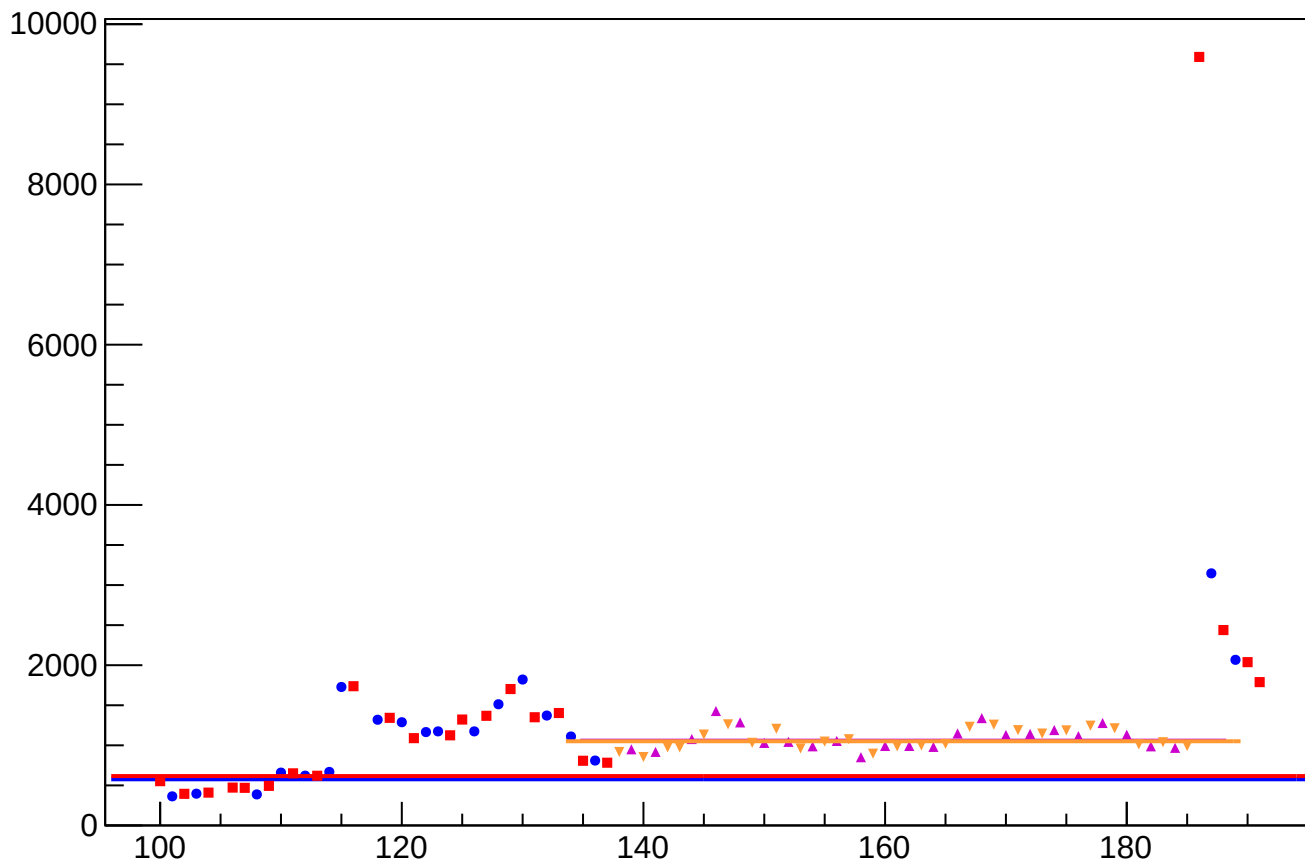
Right: -186.768+/-174.198 χ^2/NDF : 46.7/41

In: -103.492+/-177.965 χ^2/NDF : 53.6/41

Out: -79.502+/-173.567 χ^2/NDF : 60.2/47

All: -91.197+/-124.256 χ^2/NDF : 113.8/89

asym_sam6_rms vs Slug, Sign Corrected



Right In: 576.259+/-0.176 χ^2/NDF : 3935183.6/18

Left Out: 1050.918+/-0.175 χ^2/NDF :483477.5/24

Right Out: 616.232+/-0.172 χ^2/NDF : 5034267.8/22

Left In: 1058.154+/-0.180 χ^2/NDF :532260.0/22

Left: 1054.434+/-0.125 χ^2/NDF : 1016569.7/47

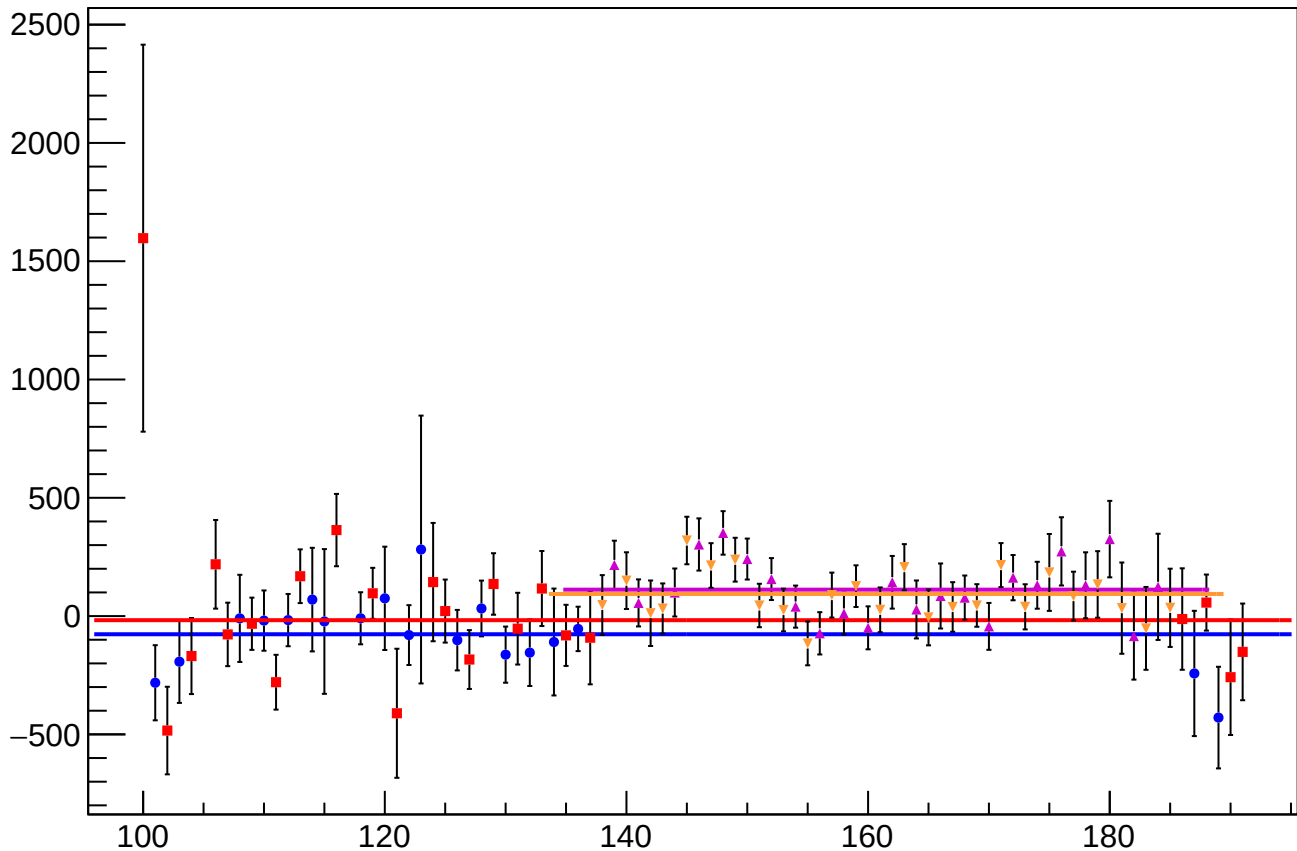
Right: 596.685+/-0.123 χ^2/NDF : 8995767.2/41

In: 812.199+/-0.126 χ^2/NDF :8131958.9/41

Out: 830.404+/-0.123 χ^2/NDF :8653169.1/47

All: 821.530+/-0.088 χ^2/NDF : 16795853.9/89

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -76.789 ± 33.906 χ^2/NDF : 9.4/18

Left Out: 93.496 ± 21.284 χ^2/NDF : 22.8/24

Right Out: -17.352 ± 31.176 χ^2/NDF : 36.8/22

Left In: 111.732 ± 21.971 χ^2/NDF : 30.7/22

Left: 102.325 ± 15.287 χ^2/NDF : 53.8/47

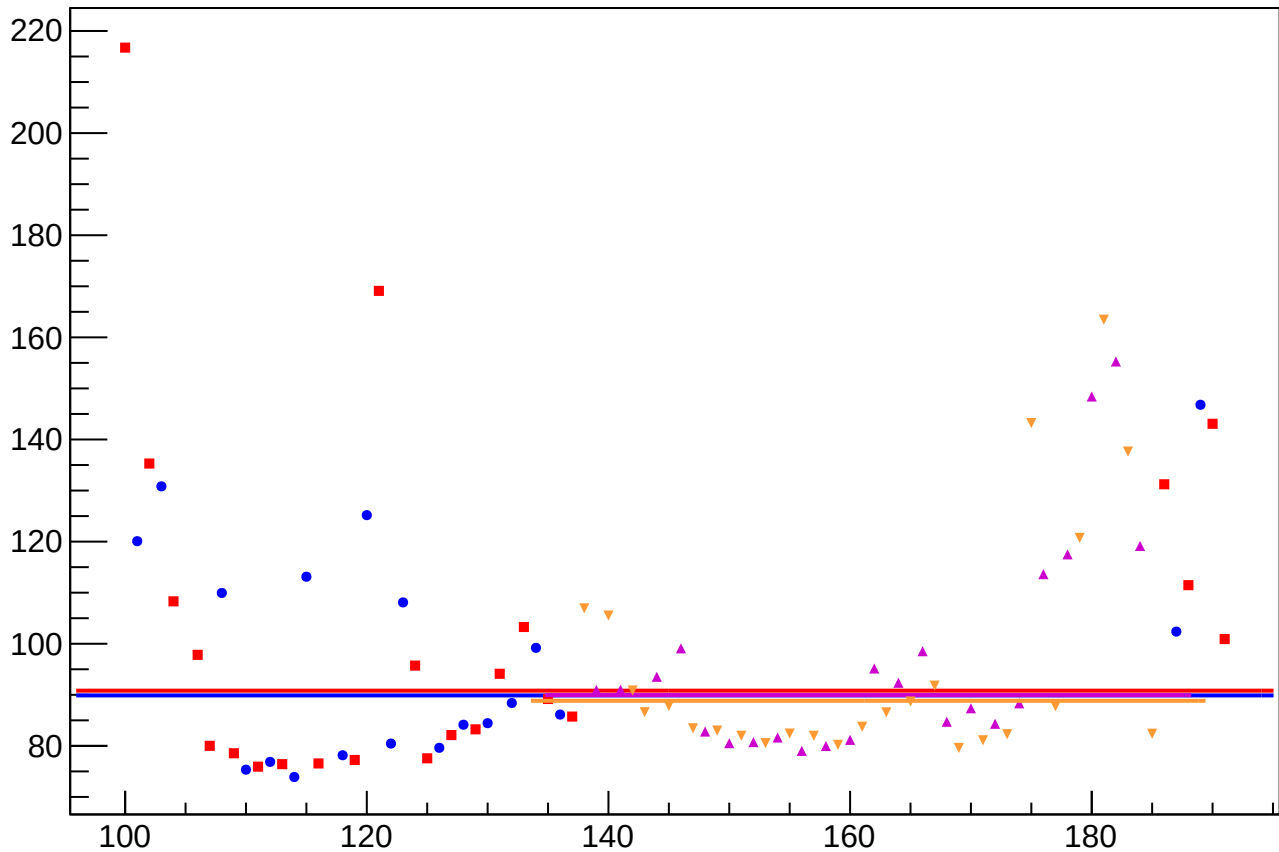
Right: -44.581 ± 22.949 χ^2/NDF : 47.8/41

In: 55.983 ± 18.438 χ^2/NDF : 61.8/41

Out: 58.255 ± 17.578 χ^2/NDF : 68.2/47

All: 57.173 ± 12.723 χ^2/NDF : 130.0/89

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 89.880 $\pm$ 0.024 χ^2 /NDF: 544147.1/18

Left Out: 88.830 $\pm$ 0.015 χ^2 /NDF: 1000651.2/24

Right Out: 90.815 $\pm$ 0.022 χ^2 /NDF: 786322.3/22

Left In: 89.934 $\pm$ 0.016 χ^2 /NDF: 874129.5/22

Left: 89.364 $\pm$ 0.011 χ^2 /NDF: 1877387.2/47

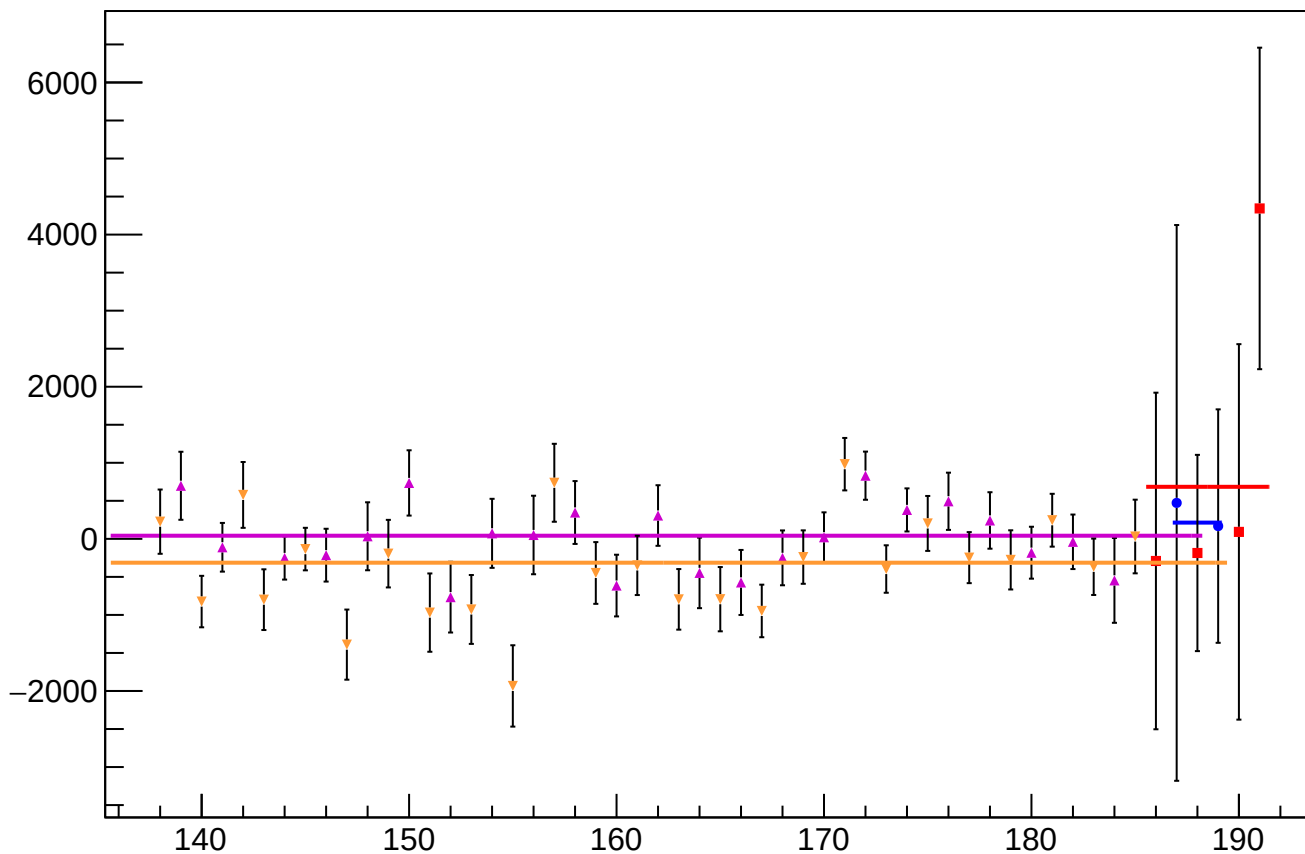
Right: 90.386 $\pm$ 0.016 χ^2 /NDF: 1331293.9/41

In: 89.918 $\pm$ 0.013 χ^2 /NDF: 1418280.2/41

Out: 89.461 $\pm$ 0.012 χ^2 /NDF: 1792504.2/47

All: 89.678 $\pm$ 0.009 χ^2 /NDF: 3211428.3/89

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: 213.608 $\pm$ 1414.891 χ^2 /NDF: 0.0/1

Left Out: -313.446 $\pm$ 77.334 χ^2 /NDF:58.1/24

Right Out: 684.284 $\pm$ 915.494 χ^2 /NDF: 3.7/3

Left In: 41.244 $\pm$ 78.858 χ^2 /NDF:28.0/22

Left: -139.560 $\pm$ 55.214 χ^2 /NDF: 96.4/47

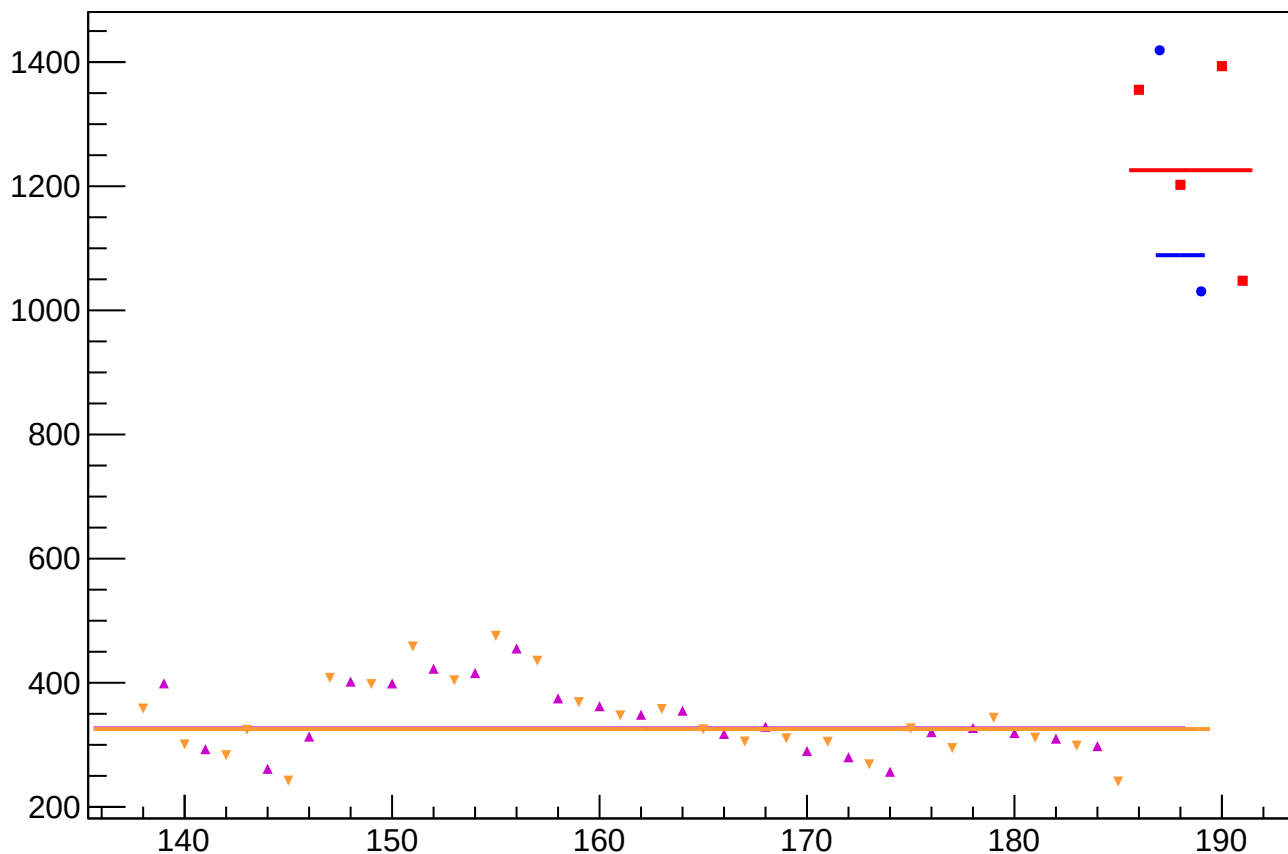
Right: 545.382 $\pm$ 768.627 χ^2 /NDF: 3.8/5

In: 41.777 $\pm$ 78.736 χ^2 /NDF:28.0/24

Out: -306.377 $\pm$ 77.060 χ^2 /NDF:63.0/28

All: -136.044 $\pm$ 55.072 χ^2 /NDF: 101.0/53

asym_sam7_correction_rms vs Slug, Sign Corrected



Right In: 1088.876 $\pm$ 1.000 χ^2 /NDF: 19217.7/1

Left Out: 325.432 $\pm$ 0.055 χ^2 /NDF:1000974.7/24

Right Out: 1225.801 $\pm$ 0.647 χ^2 /NDF: 30959.2/3

Left In: 326.516 $\pm$ 0.056 χ^2 /NDF:841153.2/22

Left: 325.964 $\pm$ 0.039 χ^2 /NDF: 1842320.6/47

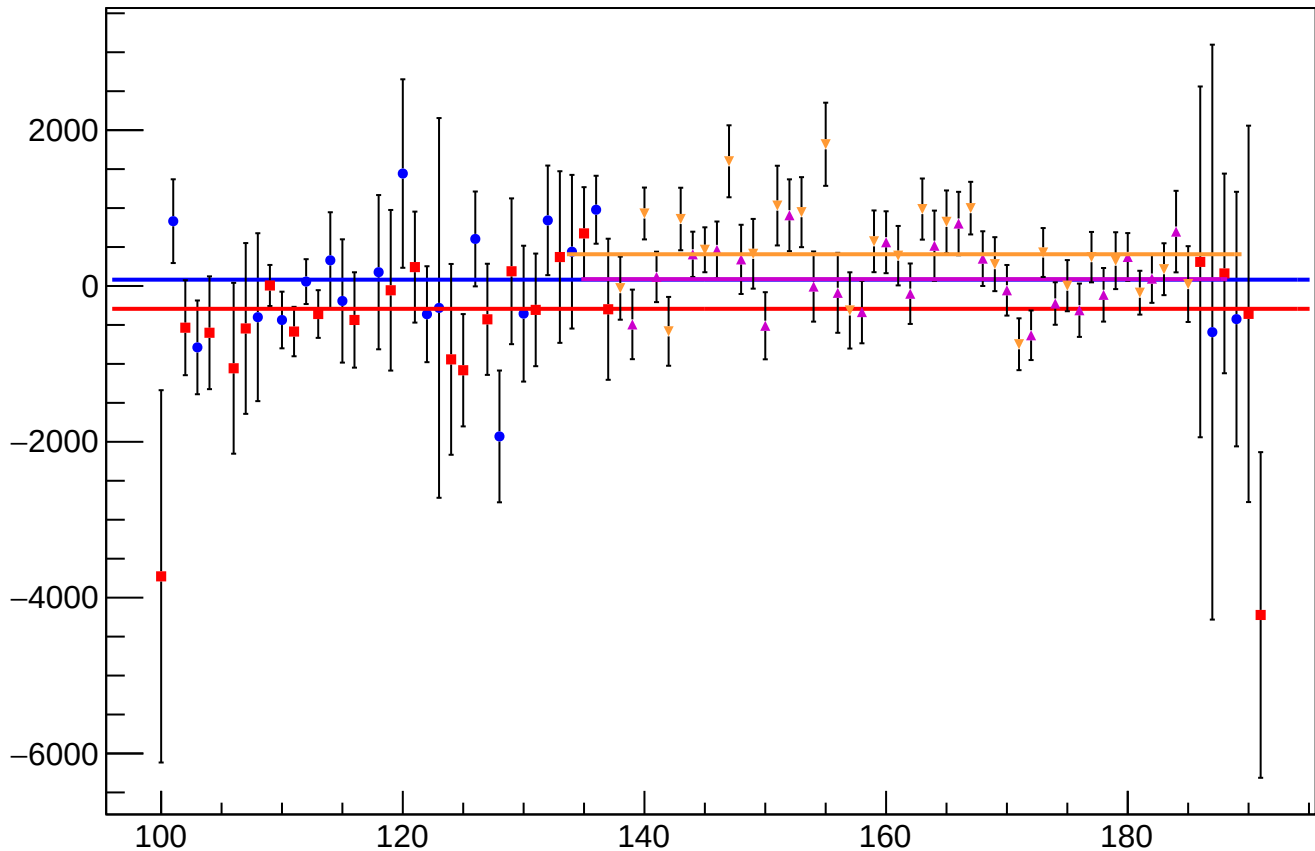
Right: 1185.393 $\pm$ 0.544 χ^2 /NDF: 63379.7/5

In: 328.877 $\pm$ 0.056 χ^2 /NDF:1439209.2/24

Out: 331.811 $\pm$ 0.054 χ^2 /NDF:2952687.8/28

All: 330.376 $\pm$ 0.039 χ^2 /NDF: 4393315.4/53

asym_sam7_mean vs Slug, Sign Corrected



Right In: 80.950+/-141.955 χ^2/NDF : 20.7/18

Left Out: 407.375+/-74.730 χ^2/NDF :53.0/24

Right Out: -293.110+/-128.305 χ^2/NDF : 14.3/22

Left In: 87.657+/-76.572 χ^2/NDF :27.4/22

Left: 251.406+/-53.481 χ^2/NDF : 89.4/47

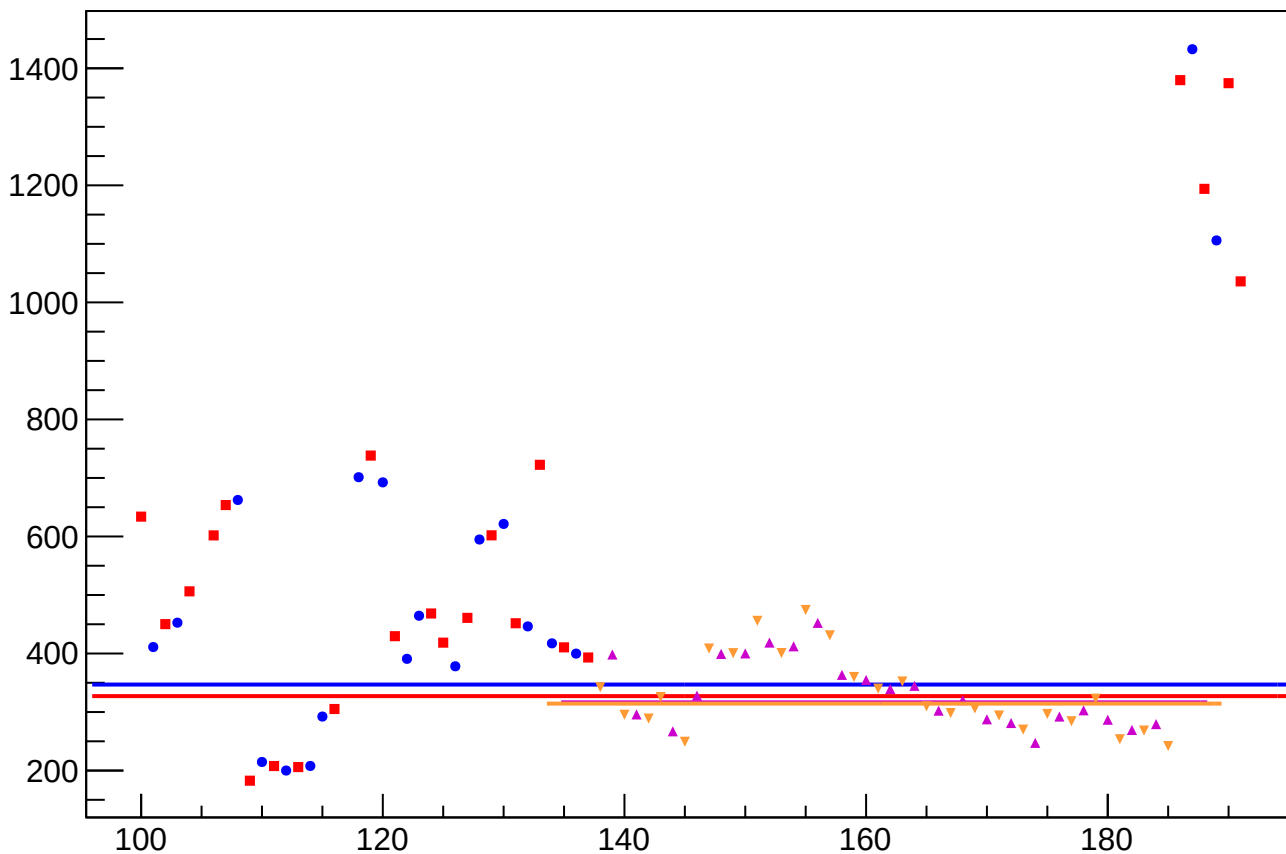
Right: -124.925+/-95.186 χ^2/NDF : 38.8/41

In: 86.145+/-67.392 χ^2/NDF :48.1/41

Out: 229.937+/-64.576 χ^2/NDF :89.6/47

All: 161.109+/-46.626 χ^2/NDF : 140.1/89

asym_sam7_rms vs Slug, Sign Corrected



Right In: 346.957 $\pm$ 0.100 χ^2 /NDF: 2652462.8/18

Left Out: 314.405 $\pm$ 0.053 χ^2 /NDF:1112244.9/24

Right Out: 327.203 $\pm$ 0.091 χ^2 /NDF: 4727958.7/22

Left In: 316.616 $\pm$ 0.054 χ^2 /NDF:929652.0/22

Left: 315.484 $\pm$ 0.038 χ^2 /NDF: 2042751.4/47

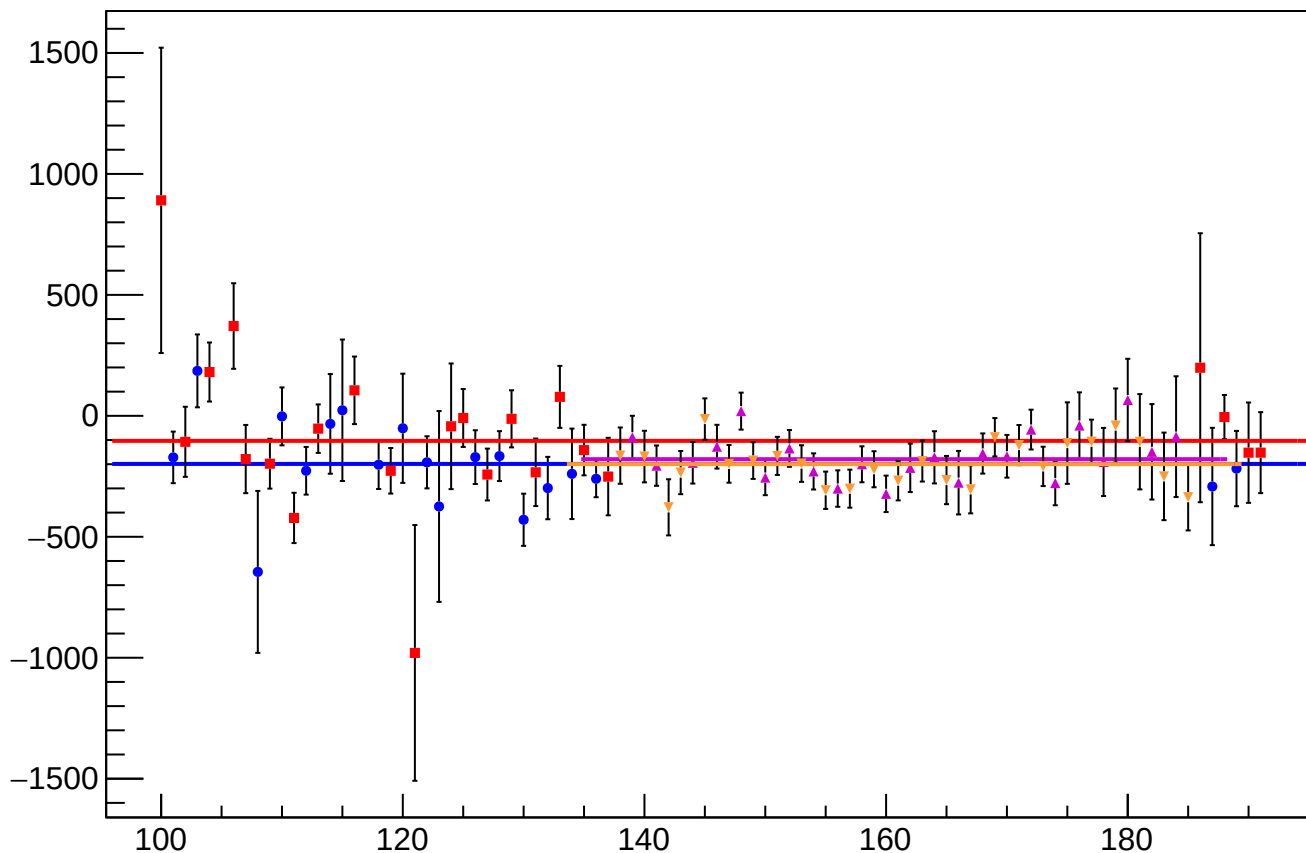
Right: 336.085 $\pm$ 0.067 χ^2 /NDF: 7401738.6/41

In: 323.455 $\pm$ 0.048 χ^2 /NDF:3652888.7/41

Out: 317.647 $\pm$ 0.046 χ^2 /NDF:5855061.6/47

All: 320.427 $\pm$ 0.033 χ^2 /NDF: 9515694.8/89

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -198.799 ± 29.612 χ^2/NDF : 19.2/18

Left Out: -199.640 ± 18.452 χ^2/NDF : 20.2/24

Right Out: -103.399 ± 27.504 χ^2/NDF : 41.0/22

Left In: -179.154 ± 19.112 χ^2/NDF : 23.9/22

Left: -189.757 ± 13.275 χ^2/NDF : 44.6/47

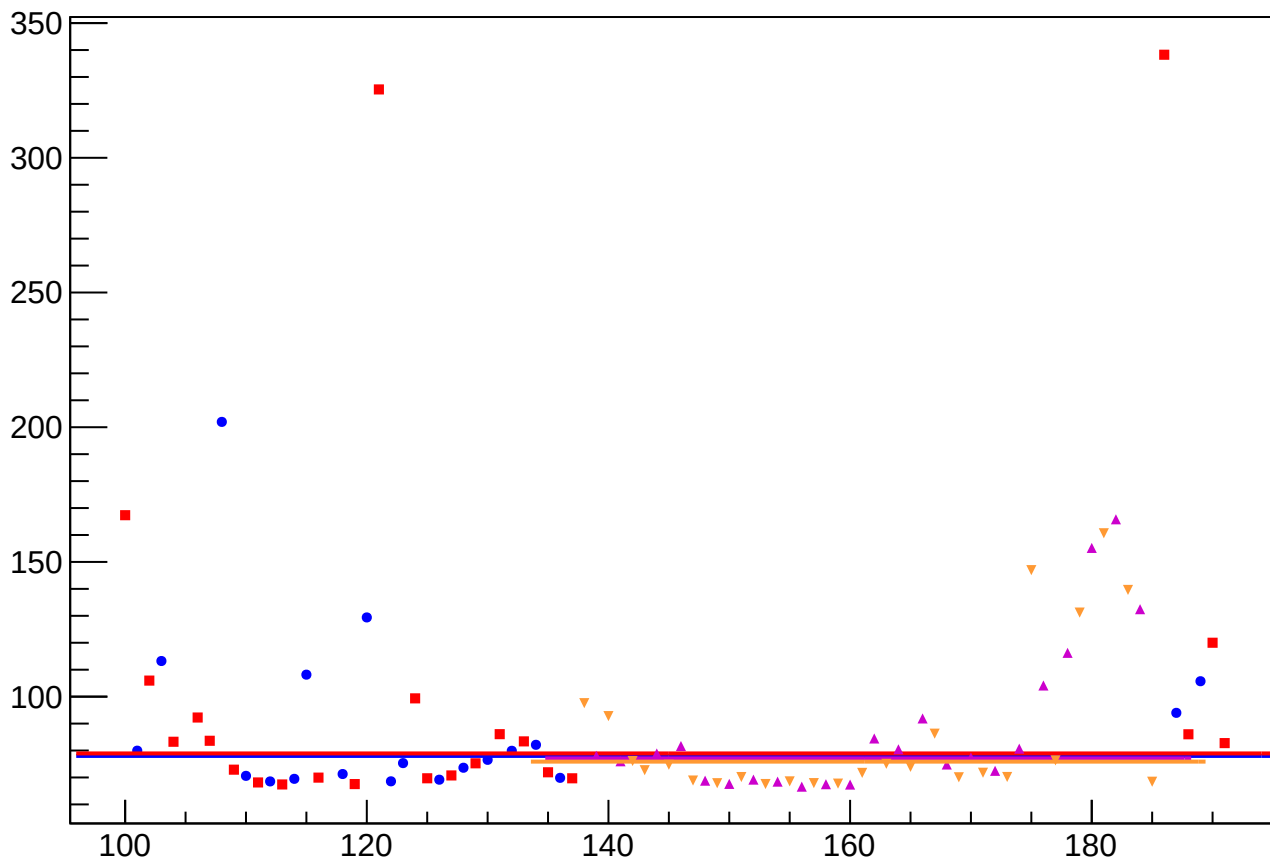
Right: -147.583 ± 20.152 χ^2/NDF : 65.8/41

In: -184.931 ± 16.058 χ^2/NDF : 43.4/41

Out: -169.768 ± 15.323 χ^2/NDF : 69.7/47

All: -176.995 ± 11.086 χ^2/NDF : 113.5/89

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 78.000 $\pm$ 0.021 χ^2 /NDF: 676162.8/18

Left Out: 75.883 $\pm$ 0.013 χ^2 /NDF:1552500.3/24

Right Out: 78.923 $\pm$ 0.019 χ^2 /NDF: 1239877.1/22

Left In: 77.080 $\pm$ 0.014 χ^2 /NDF:1422981.1/22

Left: 76.460 $\pm$ 0.009 χ^2 /NDF: 2979537.9/47

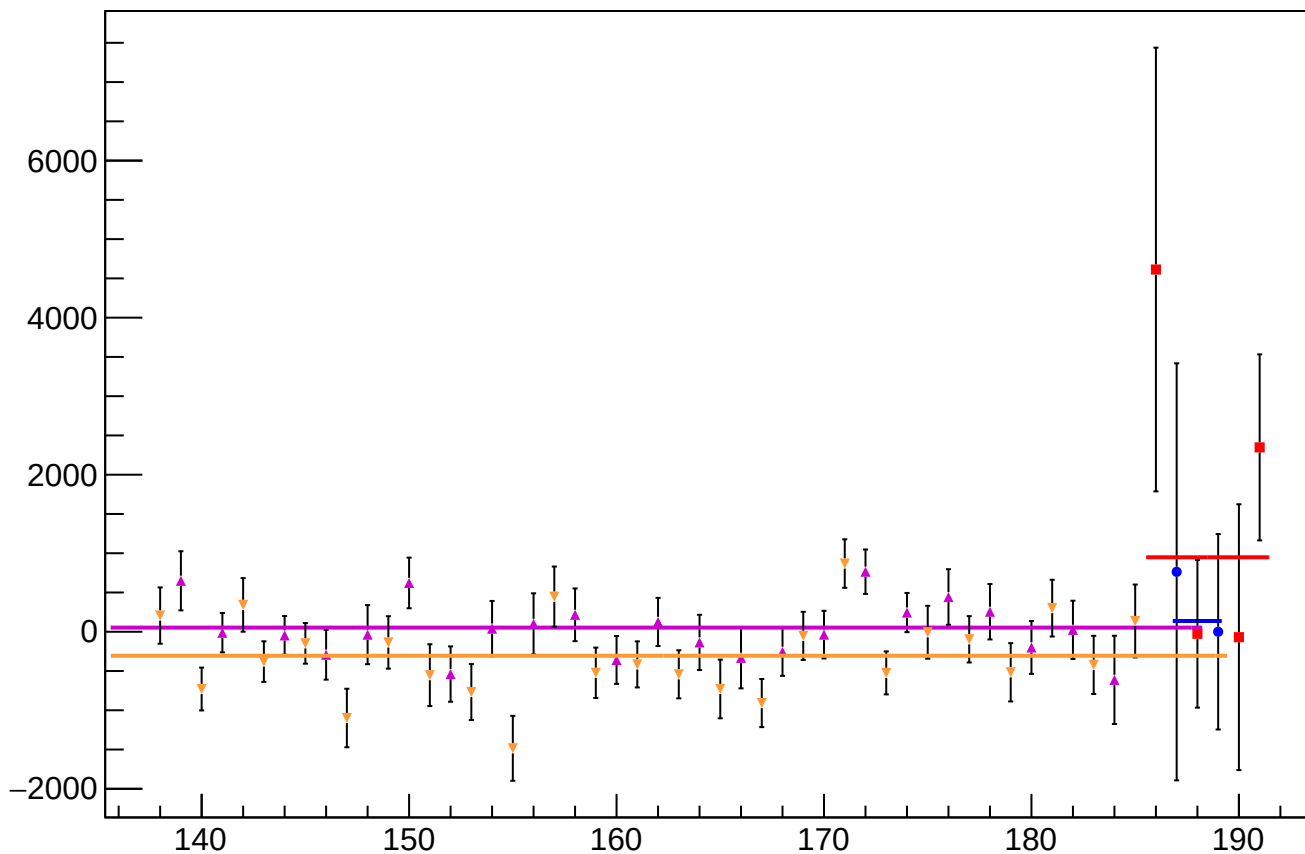
Right: 78.496 $\pm$ 0.014 χ^2 /NDF: 1917081.9/41

In: 77.350 $\pm$ 0.011 χ^2 /NDF:2100509.1/41

Out: 76.827 $\pm$ 0.011 χ^2 /NDF:2809224.1/47

All: 77.076 $\pm$ 0.008 χ^2 /NDF: 4910846.7/89

asym_sam8_correction_mean vs Slug, Sign Corrected



Right In: 137.040 ± 1126.747 $\chi^2/\text{NDF}: 0.1/1$

Left Out: -305.659 ± 65.327 $\chi^2/\text{NDF}: 54.9/24$

Right Out: 948.289 ± 656.905 $\chi^2/\text{NDF}: 4.5/3$

Left In: 52.759 ± 67.539 $\chi^2/\text{NDF}: 24.9/22$

Left: -132.416 ± 46.956 $\chi^2/\text{NDF}: 94.3/47$

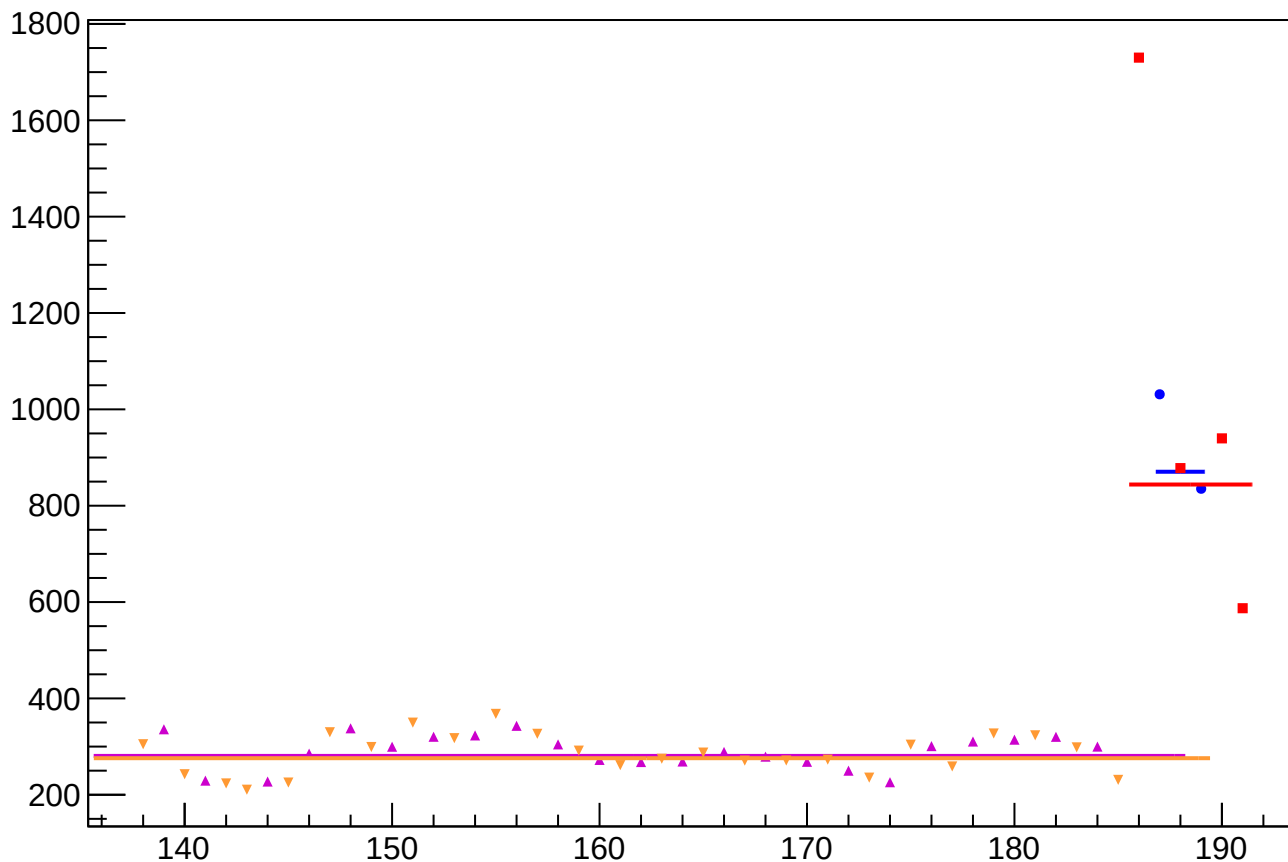
Right: 742.494 ± 567.501 $\chi^2/\text{NDF}: 5.0/5$

In: 53.061 ± 67.418 $\chi^2/\text{NDF}: 24.9/24$

Out: -293.380 ± 65.006 $\chi^2/\text{NDF}: 63.0/28$

All: -126.467 ± 46.796 $\chi^2/\text{NDF}: 101.6/53$

asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 870.487+/-0.797 χ^2/NDF : 8938.0/1

Left Out: 275.901+/-0.046 χ^2/NDF : 753109.6/24

Right Out: 843.973+/-0.465 χ^2/NDF : 299725.7/3

Left In: 280.628+/-0.048 χ^2/NDF : 587415.9/22

Left: 278.186+/-0.033 χ^2/NDF : 1345588.4/47

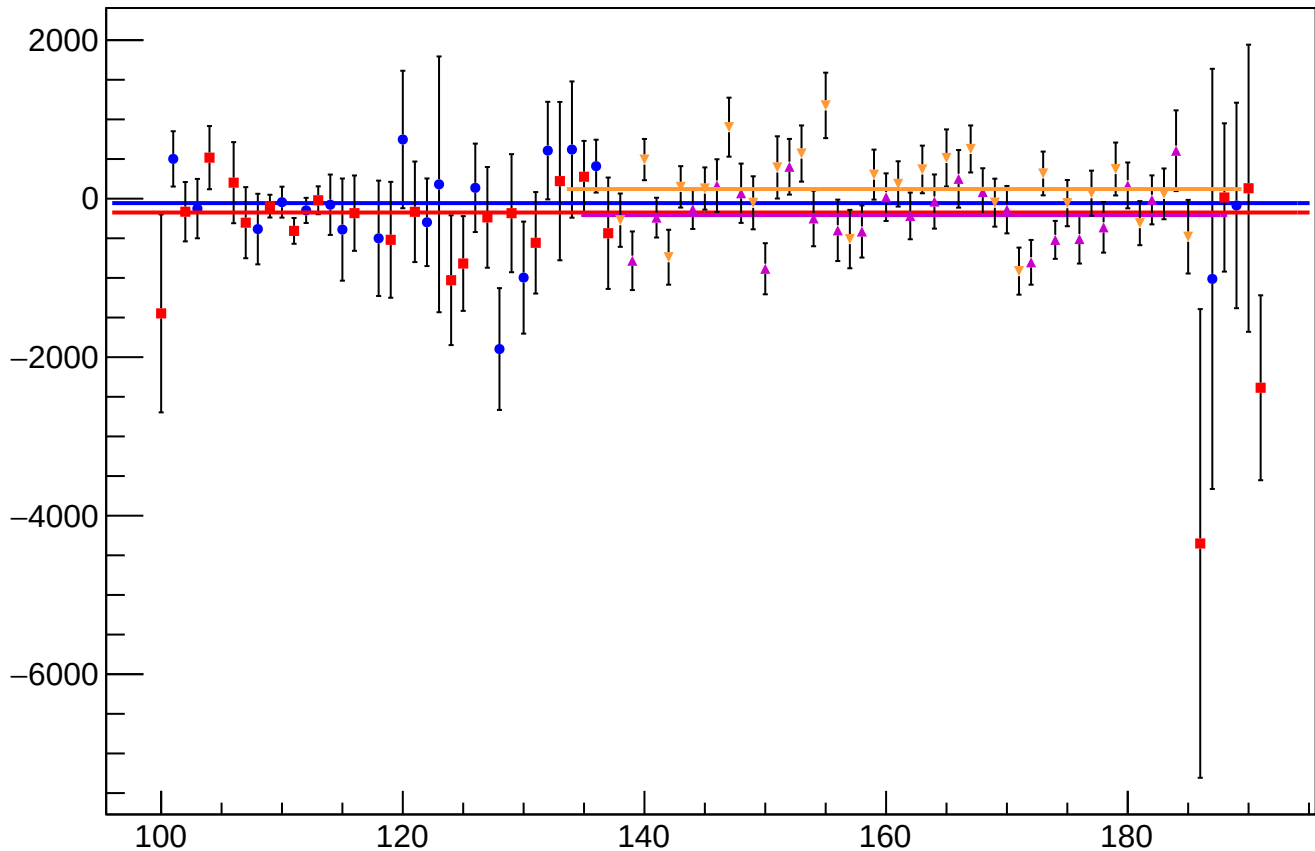
Right: 850.699+/-0.401 χ^2/NDF : 309490.2/5

In: 282.740+/-0.048 χ^2/NDF : 1142508.6/24

Out: 281.464+/-0.046 χ^2/NDF : 2533843.5/28

All: 282.079+/-0.033 χ^2/NDF : 3676723.6/53

asym_sam8_mean vs Slug, Sign Corrected



Right In: -56.187 ± 90.084 χ^2/NDF : 16.7/18

Left Out: 121.185 ± 62.911 χ^2/NDF : 49.0/24

Right Out: -174.741 ± 76.386 χ^2/NDF : 17.6/22

Left In: -207.047 ± 65.246 χ^2/NDF : 27.8/22

Left: -36.951 ± 45.288 χ^2/NDF : 89.9/47

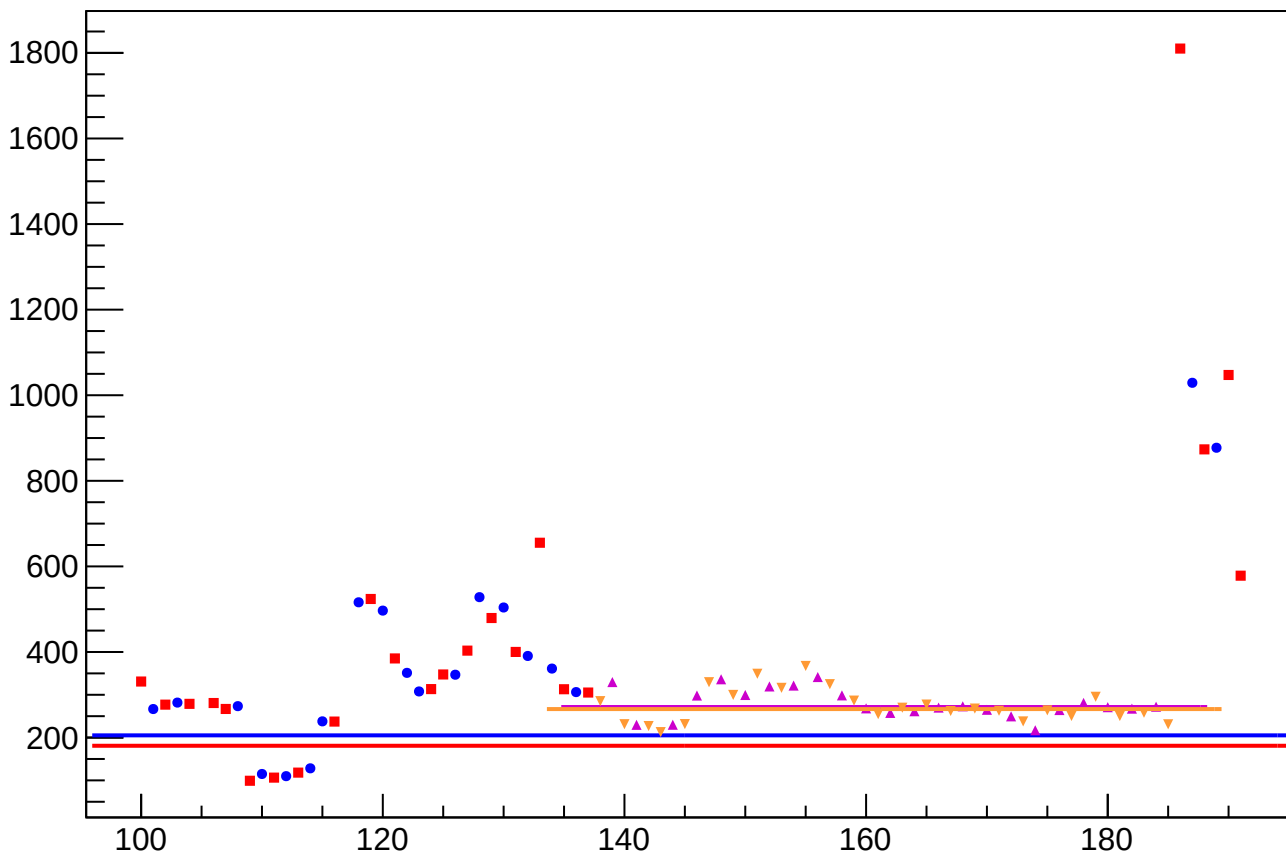
Right: -125.154 ± 58.261 χ^2/NDF : 35.3/41

In: -155.139 ± 52.842 χ^2/NDF : 46.3/41

Out: 1.584 ± 48.561 χ^2/NDF : 75.5/47

All: -70.173 ± 35.756 χ^2/NDF : 126.6/89

asym_sam8_rms vs Slug, Sign Corrected



Right In: 205.192 $\pm$ 0.064 χ^2/NDF : 4171190.9/18

Left Out: 266.618 $\pm$ 0.044 χ^2/NDF :639230.8/24

Right Out: 180.865 $\pm$ 0.054 χ^2/NDF : 6513724.4/22

Left In: 271.451 $\pm$ 0.046 χ^2/NDF :530897.8/22

Left: 268.946 $\pm$ 0.032 χ^2/NDF : 1175815.9/47

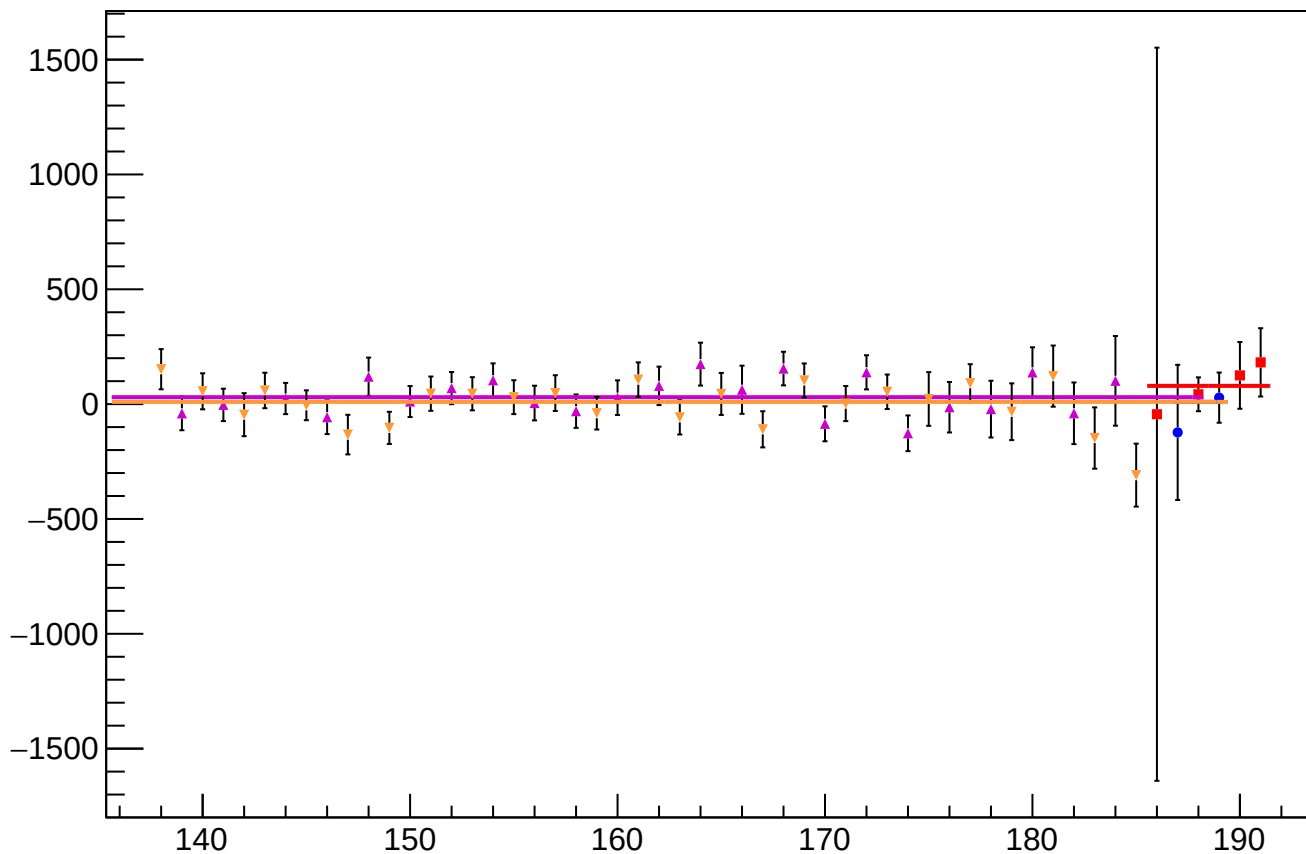
Right: 191.040 $\pm$ 0.041 χ^2/NDF : 10769761.4/41

In: 248.652 $\pm$ 0.037 χ^2/NDF :5411771.3/41

Out: 231.960 $\pm$ 0.034 χ^2/NDF :8654798.6/47

All: 239.603 $\pm$ 0.025 χ^2/NDF : 14174768.8/83

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 9.871+/-102.450 χ^2/NDF : 0.2/1

Left Out: 9.762+/-16.463 χ^2/NDF :25.9/24

Right Out: 79.475+/-60.067 χ^2/NDF : 0.8/3

Left In: 30.236+/-17.031 χ^2/NDF :21.9/22

Left: 19.652+/-11.837 χ^2/NDF : 48.6/47

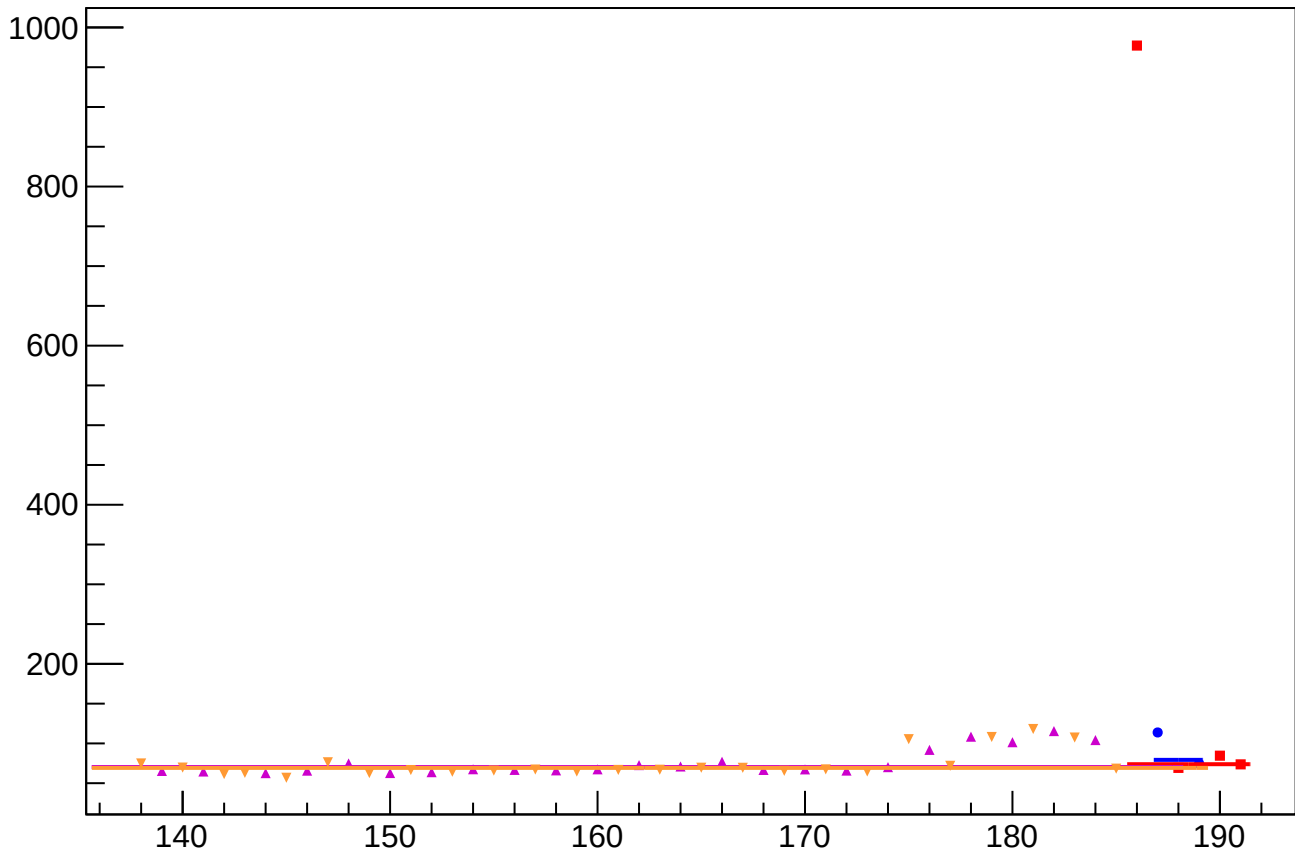
Right: 61.669+/-51.818 χ^2/NDF : 1.4/5

In: 29.688+/-16.800 χ^2/NDF :22.2/24

Out: 14.633+/-15.878 χ^2/NDF :28.0/28

All: 21.736+/-11.540 χ^2/NDF : 50.6/53

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 79.321 $\pm$ 0.072 χ^2 /NDF: 31181.4/1

Left Out: 69.234 $\pm$ 0.012 χ^2 /NDF: 1005922.1/24

Right Out: 73.868 $\pm$ 0.042 χ^2 /NDF: 659436.9/3

Left In: 70.322 $\pm$ 0.012 χ^2 /NDF: 862105.7/22

Left: 69.760 $\pm$ 0.008 χ^2 /NDF: 1872251.2/47

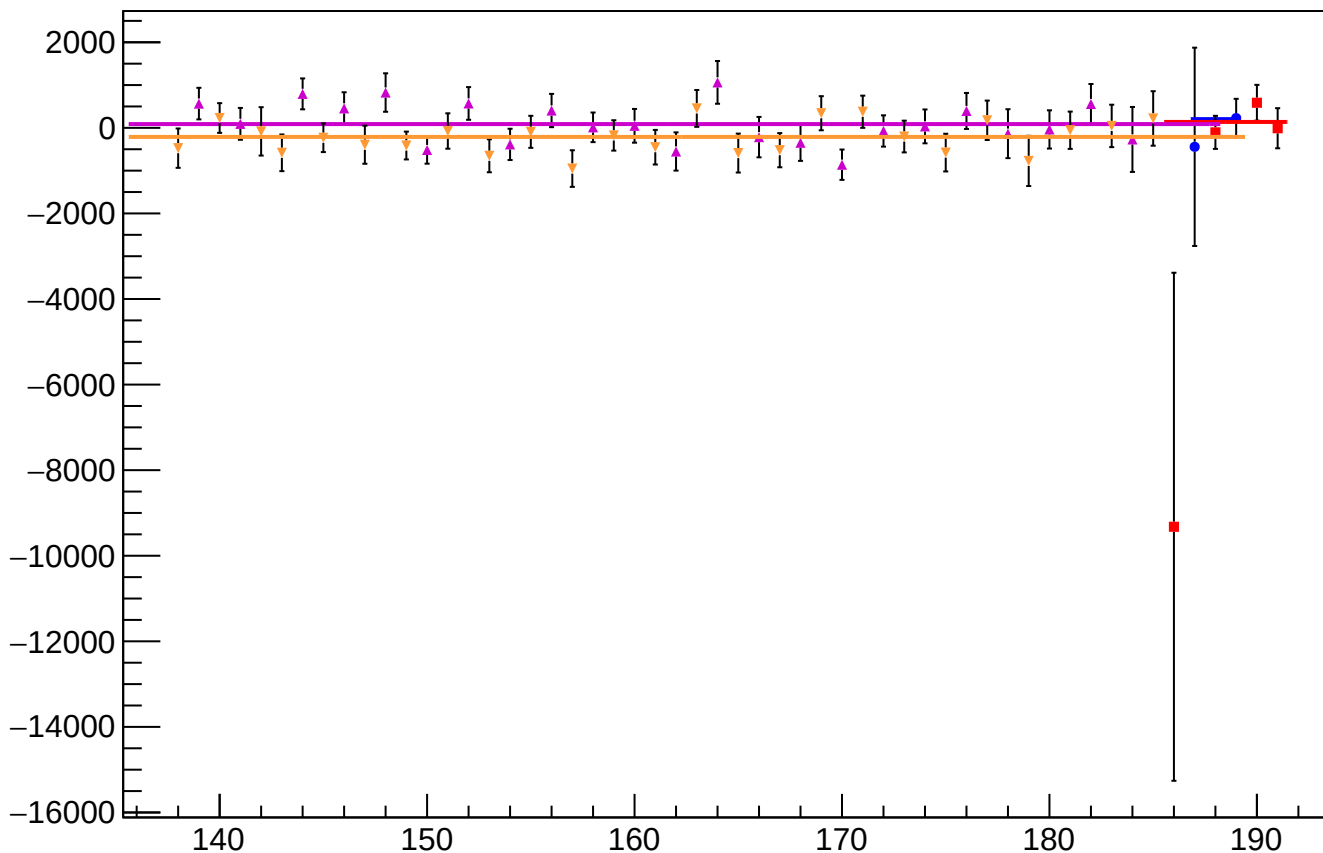
Right: 75.263 $\pm$ 0.037 χ^2 /NDF: 694834.4/5

In: 70.564 $\pm$ 0.012 χ^2 /NDF: 908300.2/24

Out: 69.558 $\pm$ 0.011 χ^2 /NDF: 1676430.1/28

All: 70.033 $\pm$ 0.008 χ^2 /NDF: 2588523.5/53

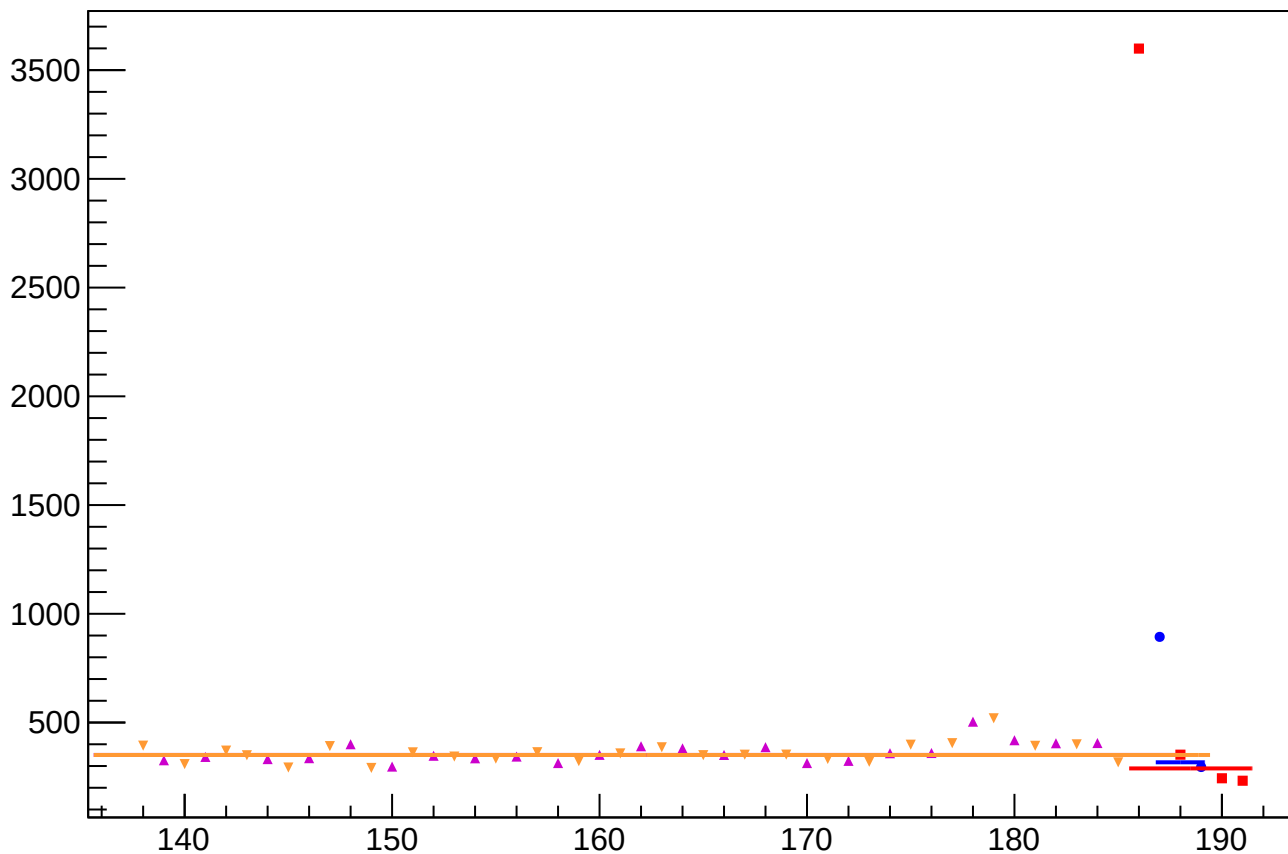
asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 203.902 $\pm$ 441.712 χ^2 /NDF: 0.1/1
 Left Out: -211.526 $\pm$ 82.780 χ^2 /NDF:19.4/24
 Right Out: 138.335 $\pm$ 242.449 χ^2 /NDF: 4.2/3
 Left In: 88.062 $\pm$ 84.309 χ^2 /NDF:33.5/22

Left: -64.474 $\pm$ 59.067 χ^2 /NDF: 59.3/47
 Right: 153.515 $\pm$ 212.538 χ^2 /NDF: 4.3/5
 In: 92.134 $\pm$ 82.814 χ^2 /NDF:33.6/24
 Out: -174.999 $\pm$ 78.339 χ^2 /NDF:25.5/28
 All: -48.845 $\pm$ 56.911 χ^2 /NDF: 64.5/53

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 317.092 $\pm$ 0.312 χ^2 /NDF: 128573.2/1

Left Out: 350.780 $\pm$ 0.059 χ^2 /NDF: 506274.4/24

Right Out: 288.947 $\pm$ 0.171 χ^2 /NDF: 727978.6/3

Left In: 350.944 $\pm$ 0.060 χ^2 /NDF: 424876.4/22

Left: 350.861 $\pm$ 0.042 χ^2 /NDF: 931154.7/47

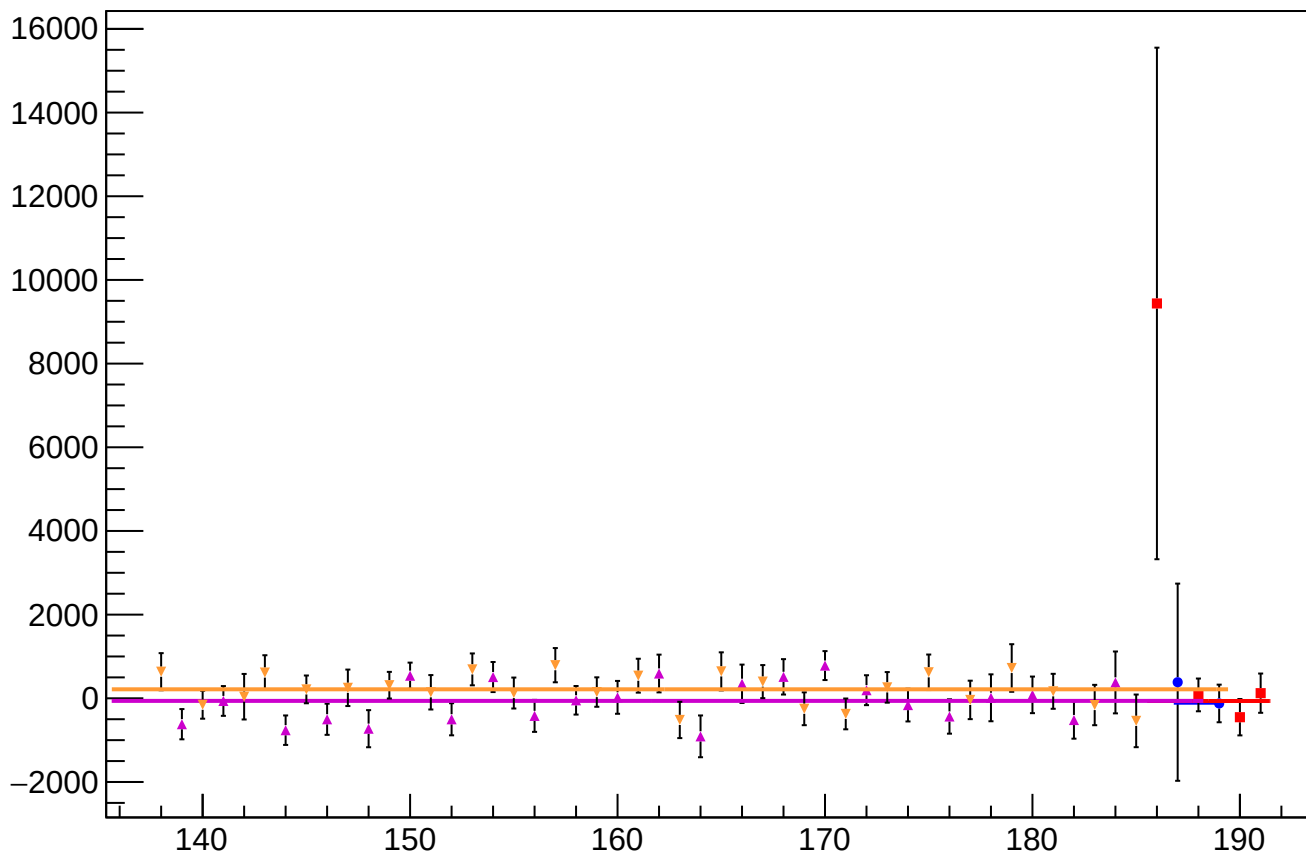
Right: 295.463 $\pm$ 0.150 χ^2 /NDF: 862792.0/5

In: 349.755 $\pm$ 0.059 χ^2 /NDF: 564783.8/24

Out: 344.325 $\pm$ 0.055 χ^2 /NDF: 1350760.5/28

All: 346.889 $\pm$ 0.040 χ^2 /NDF: 1920081.8/53

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: -105.186+/-441.657 χ^2/NDF : 0.0/1

Left Out: 215.214+/-81.235 χ^2/NDF :19.6/24

Right Out: -64.170+/-247.065 χ^2/NDF : 3.5/3

Left In: -61.730+/-82.841 χ^2/NDF :34.9/22

Left: 79.453+/-58.001 χ^2/NDF : 60.2/47

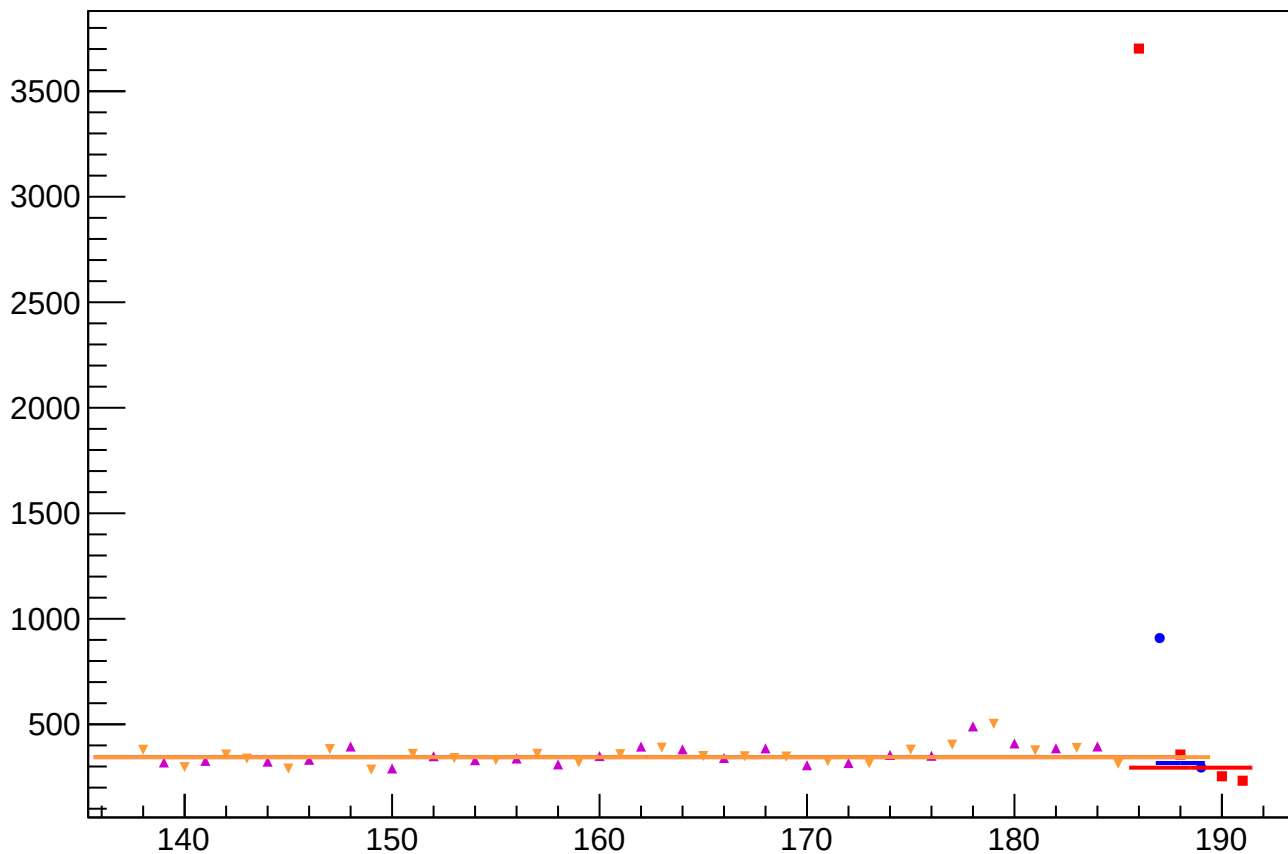
Right: -73.946+/-215.620 χ^2/NDF : 3.6/5

In: -63.207+/-81.421 χ^2/NDF :35.0/24

Out: 187.957+/-77.170 χ^2/NDF :24.2/28

All: 69.102+/-56.010 χ^2/NDF : 64.2/53

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 316.704 $\pm$ 0.312 χ^2 /NDF: 130838.0/1

Left Out: 344.439 $\pm$ 0.057 χ^2 /NDF: 488381.9/24

Right Out: 294.575 $\pm$ 0.175 χ^2 /NDF: 724260.4/3

Left In: 344.475 $\pm$ 0.059 χ^2 /NDF: 433401.7/22

Left: 344.457 $\pm$ 0.041 χ^2 /NDF: 921783.8/47

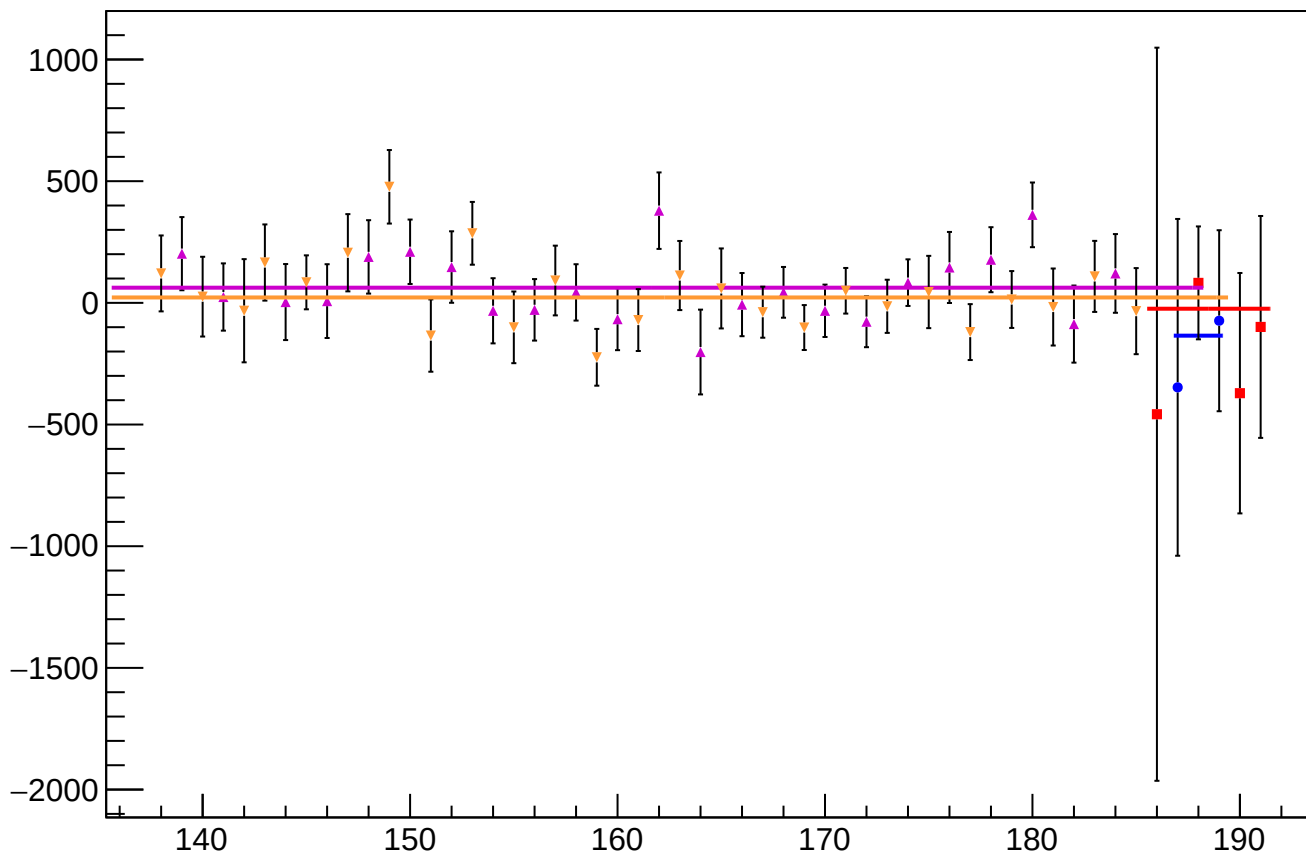
Right: 299.850 $\pm$ 0.152 χ^2 /NDF: 858922.6/5

In: 343.531 $\pm$ 0.058 χ^2 /NDF: 571878.3/24

Out: 339.574 $\pm$ 0.055 χ^2 /NDF: 1286160.5/28

All: 341.447 $\pm$ 0.040 χ^2 /NDF: 1860527.0/53

dit_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: -134.802 $\pm$ 327.618 χ^2 /NDF: 0.1/1

Left Out: 22.164 $\pm$ 26.284 χ^2 /NDF:28.1/24

Right Out: -24.105 $\pm$ 189.212 χ^2 /NDF: 0.8/3

Left In: 62.310 $\pm$ 27.398 χ^2 /NDF:22.0/22

Left: 41.404 $\pm$ 18.967 χ^2 /NDF: 51.2/47

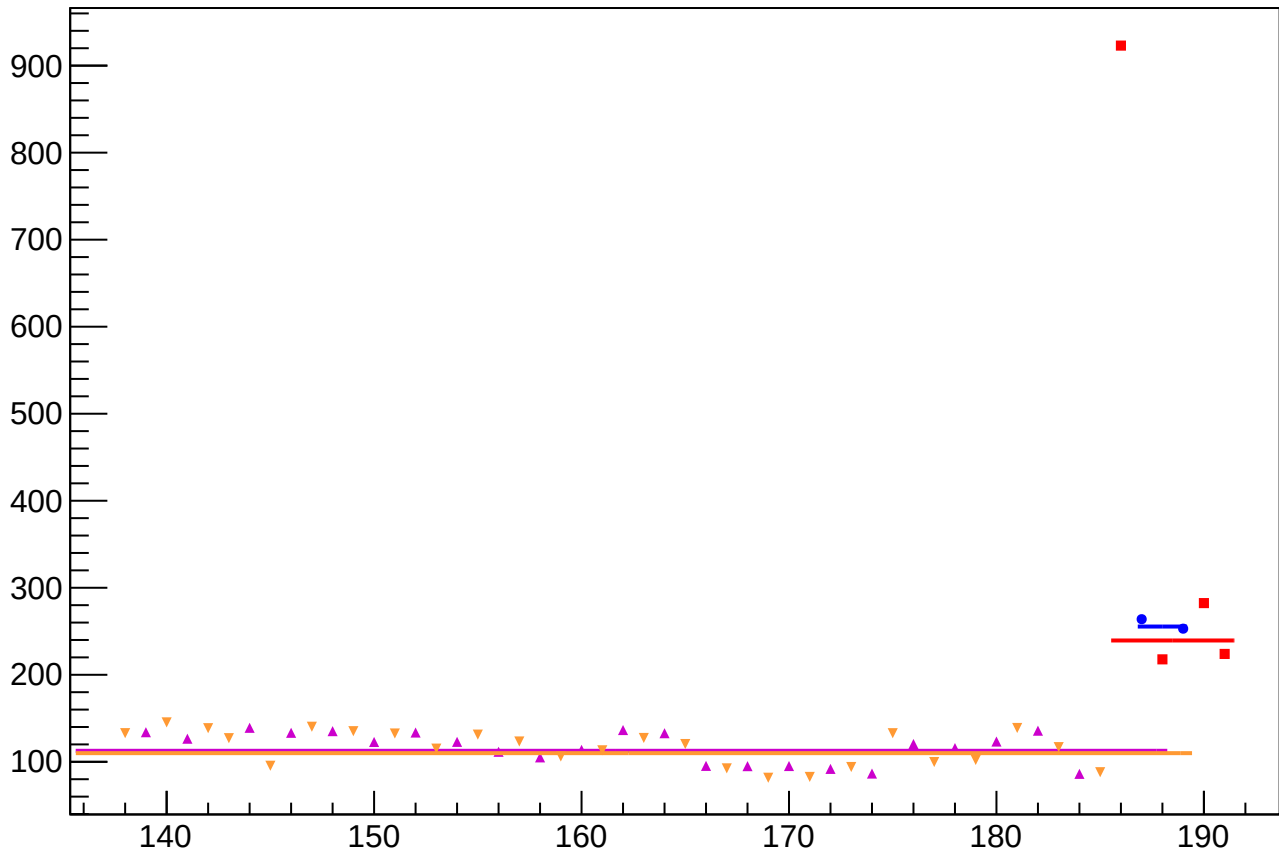
Right: -51.793 $\pm$ 163.849 χ^2 /NDF: 1.0/5

In: 60.941 $\pm$ 27.303 χ^2 /NDF:22.5/24

Out: 21.288 $\pm$ 26.034 χ^2 /NDF:28.9/28

All: 40.172 $\pm$ 18.842 χ^2 /NDF: 52.6/53

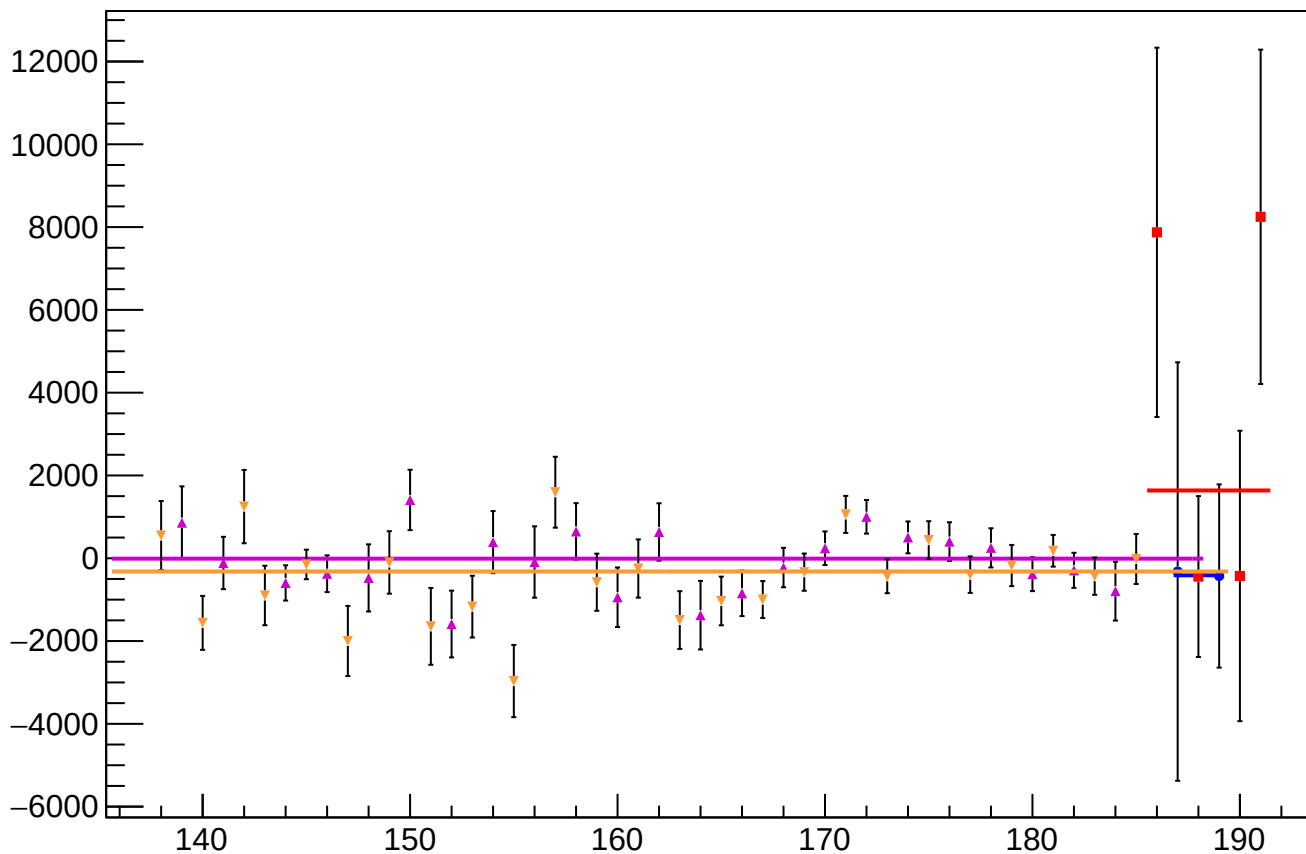
dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 255.444 $\pm$ 0.232 χ^2 /NDF: 384.6/1
 Left Out: 109.953 $\pm$ 0.019 χ^2 /NDF:1140626.9/24
 Right Out: 239.427 $\pm$ 0.134 χ^2 /NDF: 446801.5/3
 Left In: 112.657 $\pm$ 0.019 χ^2 /NDF:835831.1/22

Left: 111.249 $\pm$ 0.013 χ^2 /NDF: 1986605.7/47
 Right: 243.434 $\pm$ 0.116 χ^2 /NDF: 450770.6/5
 In: 113.649 $\pm$ 0.019 χ^2 /NDF:1213481.6/24
 Out: 112.404 $\pm$ 0.018 χ^2 /NDF:2506188.2/28
 All: 112.997 $\pm$ 0.013 χ^2 /NDF: 3721847.9/53

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -411.241 $\pm$ 2027.415 χ^2 /NDF: 0.0/1

Left Out: -319.391 $\pm$ 110.306 χ^2 /NDF:51.5/24

Right Out: 1637.790 $\pm$ 1478.396 χ^2 /NDF: 6.1/3

Left In: -9.462 $\pm$ 112.340 χ^2 /NDF:32.5/22

Left: -167.259 $\pm$ 78.707 χ^2 /NDF: 87.9/47

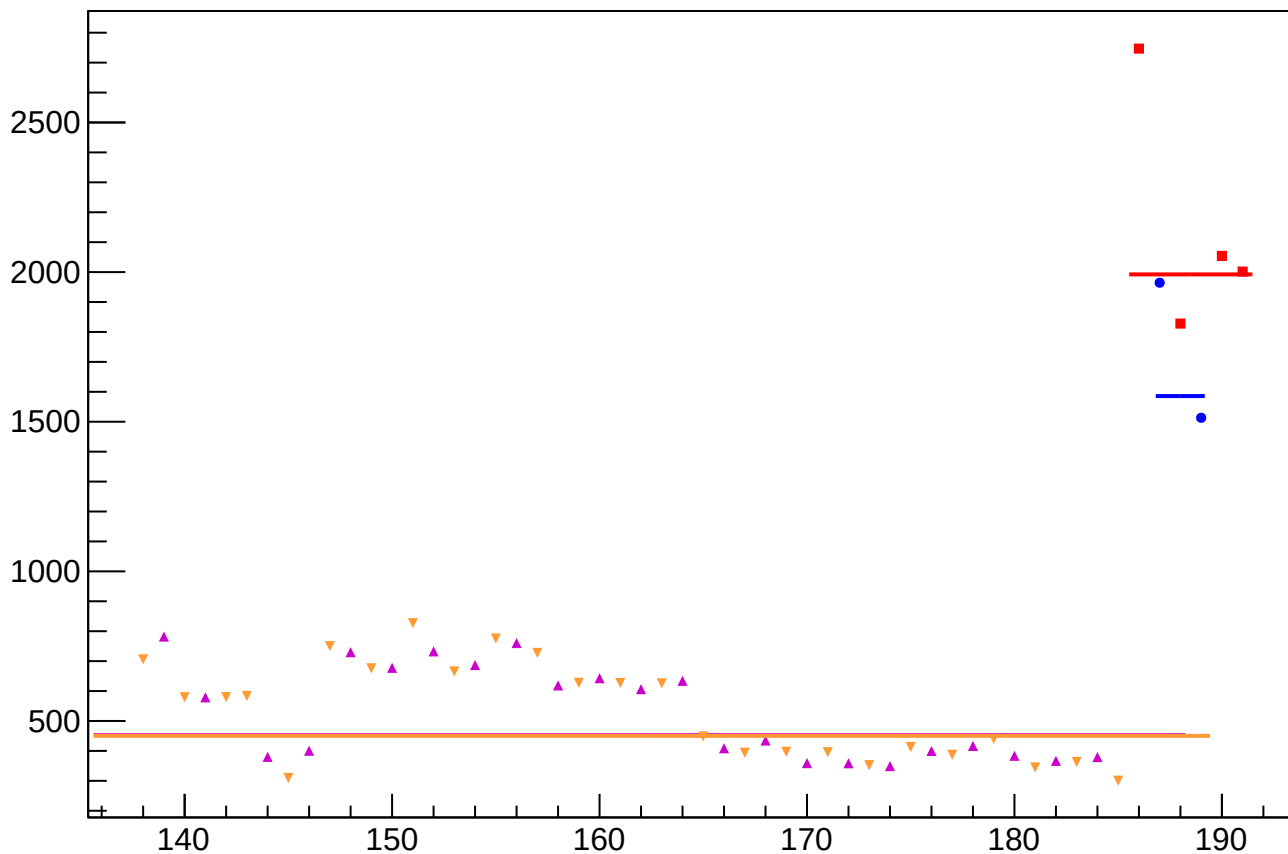
Right: 926.477 $\pm$ 1194.535 χ^2 /NDF: 6.8/5

In: -10.692 $\pm$ 112.168 χ^2 /NDF:32.5/24

Out: -308.556 $\pm$ 110.000 χ^2 /NDF:59.4/28

All: -162.531 $\pm$ 78.537 χ^2 /NDF: 95.5/53

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1585.795+/-1.434 χ^2/NDF : 13378.3/1

Left Out: 450.363+/-0.078 χ^2/NDF : 3096435.8/24

Right Out: 1992.347+/-1.045 χ^2/NDF : 72137.7/3

Left In: 452.694+/-0.079 χ^2/NDF : 2586032.2/22

Left: 451.507+/-0.056 χ^2/NDF : 5682906.4/47

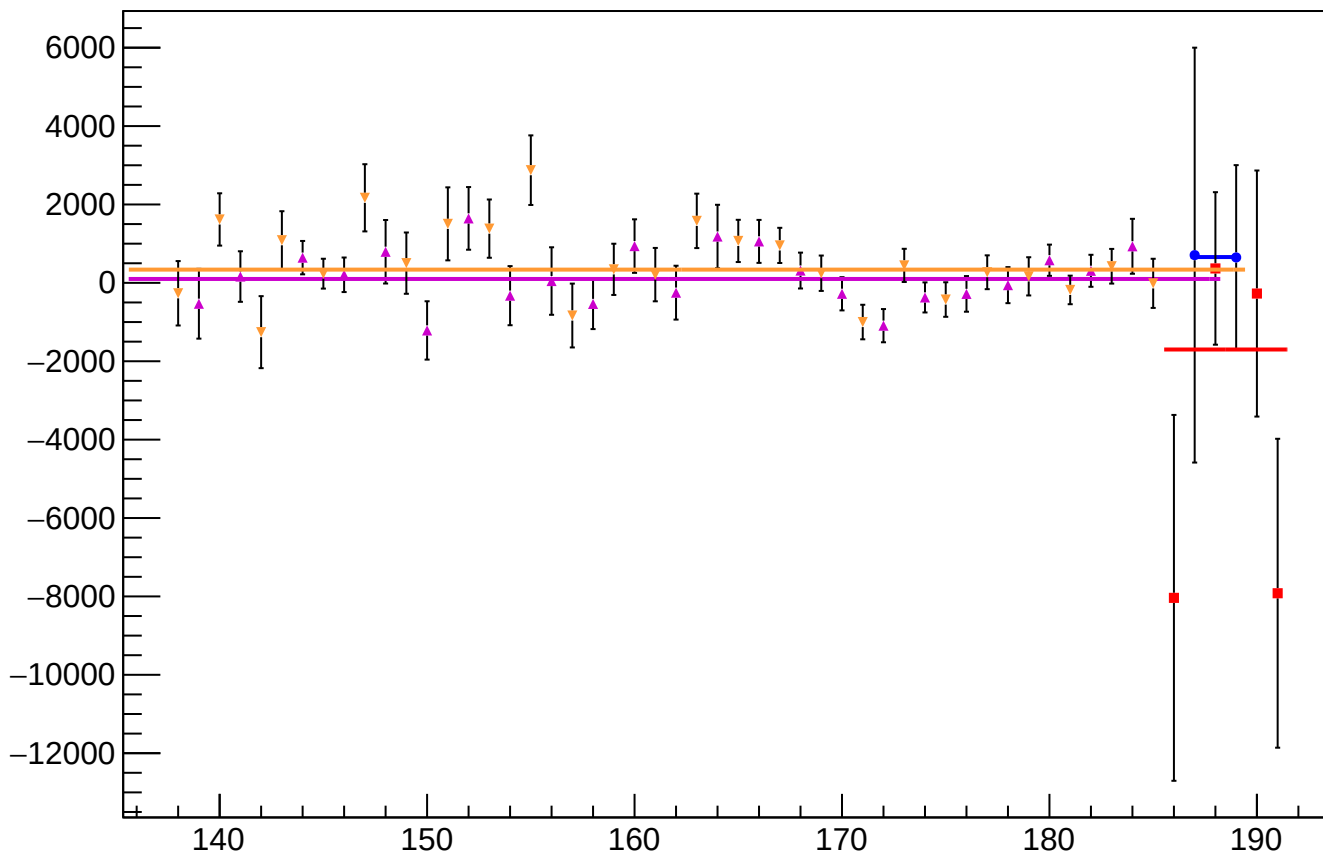
Right: 1851.214+/-0.845 χ^2/NDF : 138020.0/5

In: 456.162+/-0.079 χ^2/NDF : 3222212.7/24

Out: 458.899+/-0.078 χ^2/NDF : 5332273.9/28

All: 457.558+/-0.056 χ^2/NDF : 8555093.6/53

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 658.374+/-2151.739 χ^2/NDF : 0.0/1

Left Out: 337.948+/-109.831 χ^2/NDF :48.6/24

Right Out: -1700.260+/-1449.450 χ^2/NDF : 5.7/3

Left In: 99.475+/-111.475 χ^2/NDF :32.1/22

Left: 220.483+/-78.237 χ^2/NDF : 83.0/47

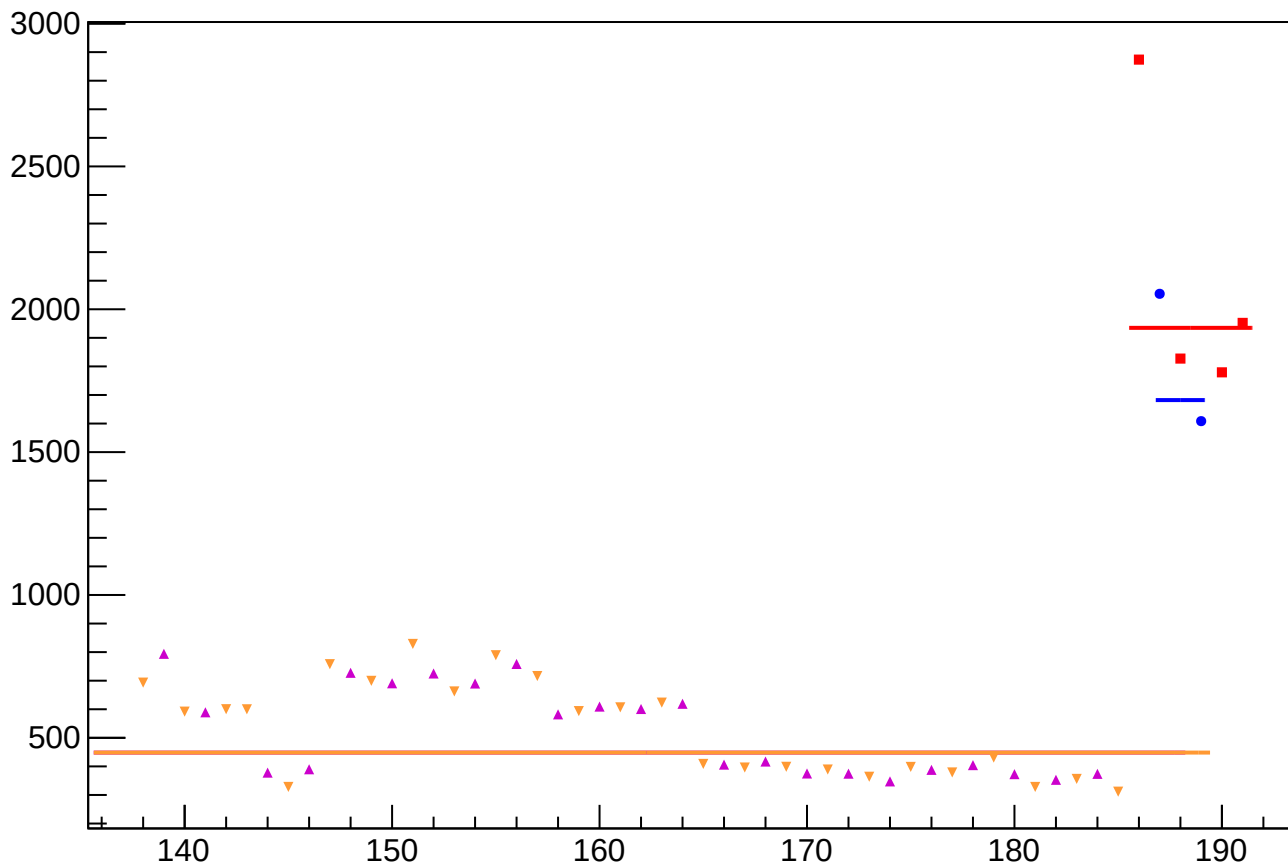
Right: -964.062+/-1202.145 χ^2/NDF : 6.5/5

In: 100.971+/-111.326 χ^2/NDF :32.1/24

Out: 326.312+/-109.517 χ^2/NDF :56.2/28

All: 215.487+/-78.072 χ^2/NDF : 90.4/53

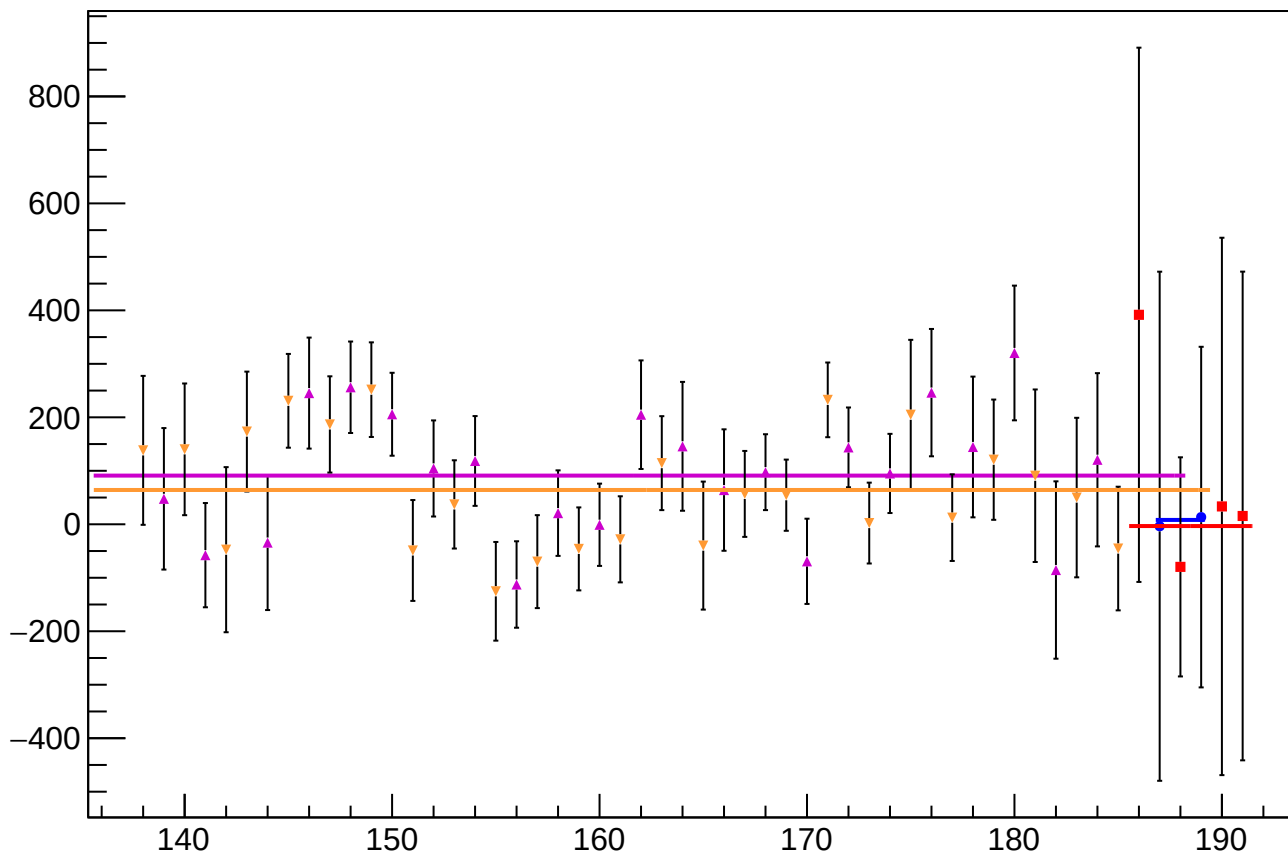
asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1682.123+/-1.522 χ^2/NDF : 11838.2/1
 Left Out: 448.397+/-0.078 χ^2/NDF : 3077183.0/24
 Right Out: 1934.958+/-1.025 χ^2/NDF : 91998.8/3
 Left In: 448.238+/-0.079 χ^2/NDF : 2563455.5/22

Left: 448.319+/-0.055 χ^2/NDF : 5640640.6/47
 Right: 1856.041+/-0.850 χ^2/NDF : 122831.9/5
 In: 451.541+/-0.079 χ^2/NDF : 3231190.4/24
 Out: 456.883+/-0.077 χ^2/NDF : 5260899.3/28
 All: 454.256+/-0.055 χ^2/NDF : 8494430.0/53

dit_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 8.145 $\pm$ 264.660 χ^2 /NDF: 0.0/1

Left Out: 64.142 $\pm$ 18.728 χ^2 /NDF:33.8/24

Right Out: -3.303 $\pm$ 165.322 χ^2 /NDF: 0.8/3

Left In: 91.028 $\pm$ 19.637 χ^2 /NDF:32.6/22

Left: 76.948 $\pm$ 13.553 χ^2 /NDF: 67.4/47

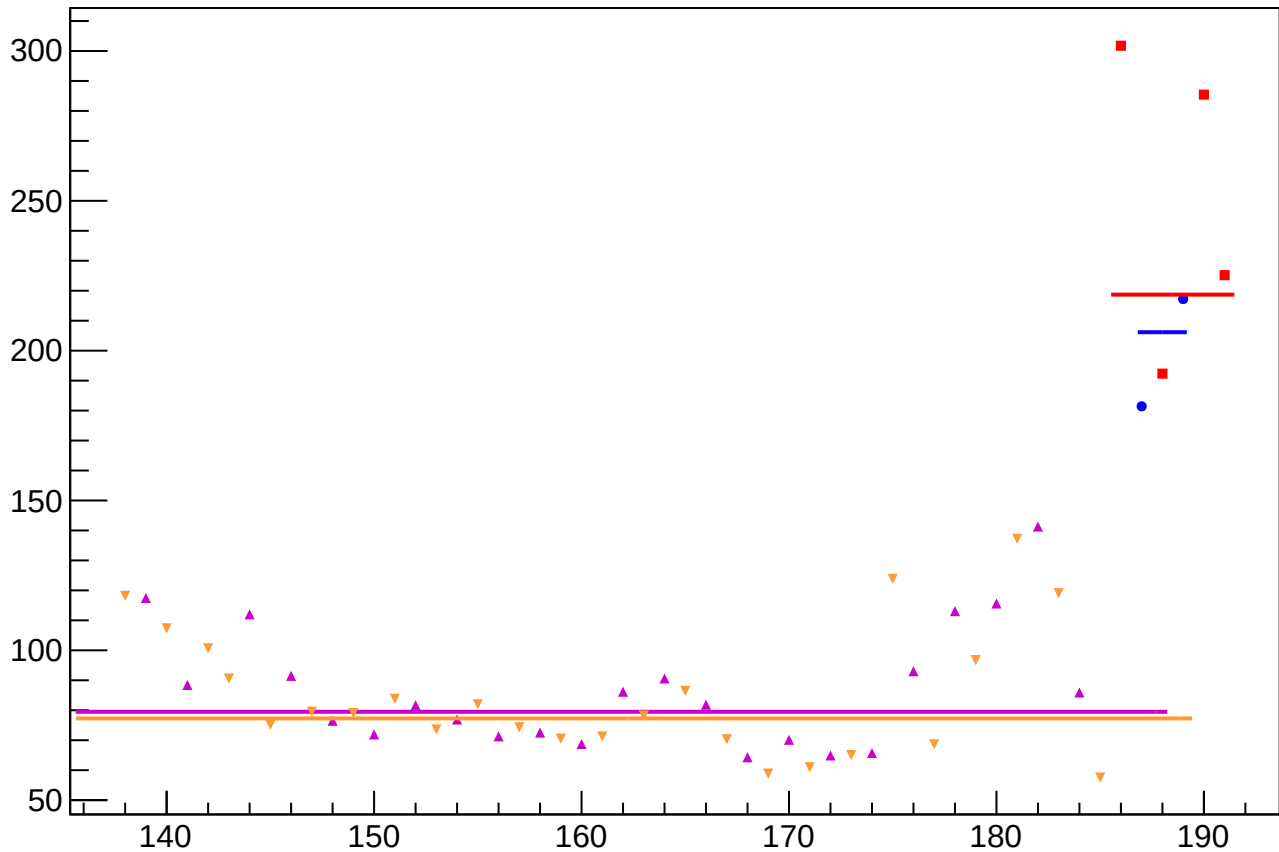
Right: -0.090 $\pm$ 140.214 χ^2 /NDF: 0.8/5

In: 90.575 $\pm$ 19.583 χ^2 /NDF:32.7/24

Out: 63.287 $\pm$ 18.609 χ^2 /NDF:34.7/28

All: 76.235 $\pm$ 13.490 χ^2 /NDF: 68.5/53

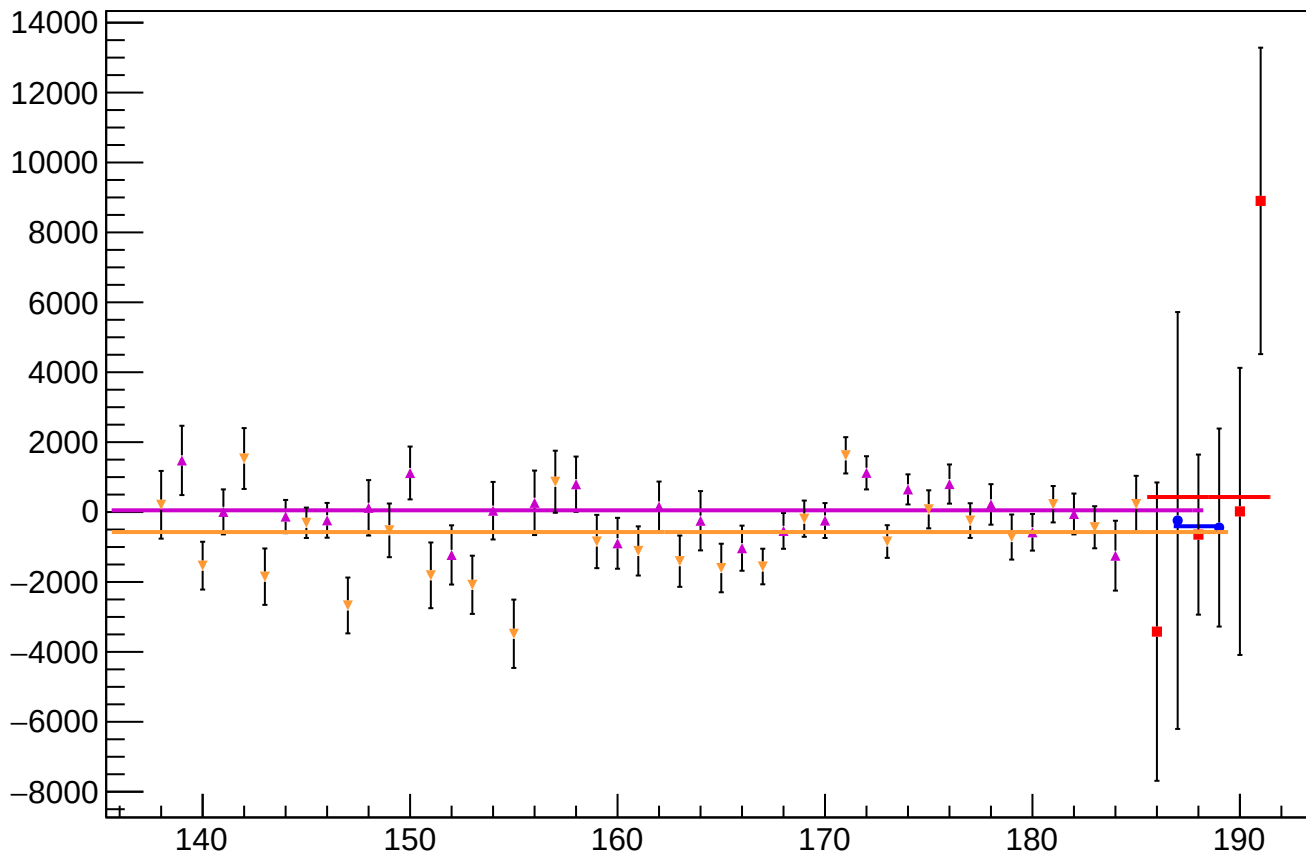
dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 206.157 $\pm$ 0.187 χ^2 /NDF: 7817.8/1
 Left Out: 77.280 $\pm$ 0.013 χ^2 /NDF:1553410.1/24
 Right Out: 218.704 $\pm$ 0.117 χ^2 /NDF: 124152.0/3
 Left In: 79.491 $\pm$ 0.014 χ^2 /NDF:1333774.9/22

Left: 78.333 $\pm$ 0.010 χ^2 /NDF: 2900472.8/47
 Right: 215.182 $\pm$ 0.099 χ^2 /NDF: 135203.4/5
 In: 80.185 $\pm$ 0.014 χ^2 /NDF:1797191.8/24
 Out: 79.071 $\pm$ 0.013 χ^2 /NDF:3122607.8/28
 All: 79.600 $\pm$ 0.010 χ^2 /NDF: 4923197.9/53

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -405.921+/-2558.507 χ^2/NDF : 0.0/1

Left Out: -571.669+/-128.158 χ^2/NDF :66.8/24

Right Out: 430.196+/-1673.619 χ^2/NDF : 4.8/3

Left In: 50.077+/-129.187 χ^2/NDF :26.1/22

Left: -263.282+/-90.983 χ^2/NDF : 104.6/47

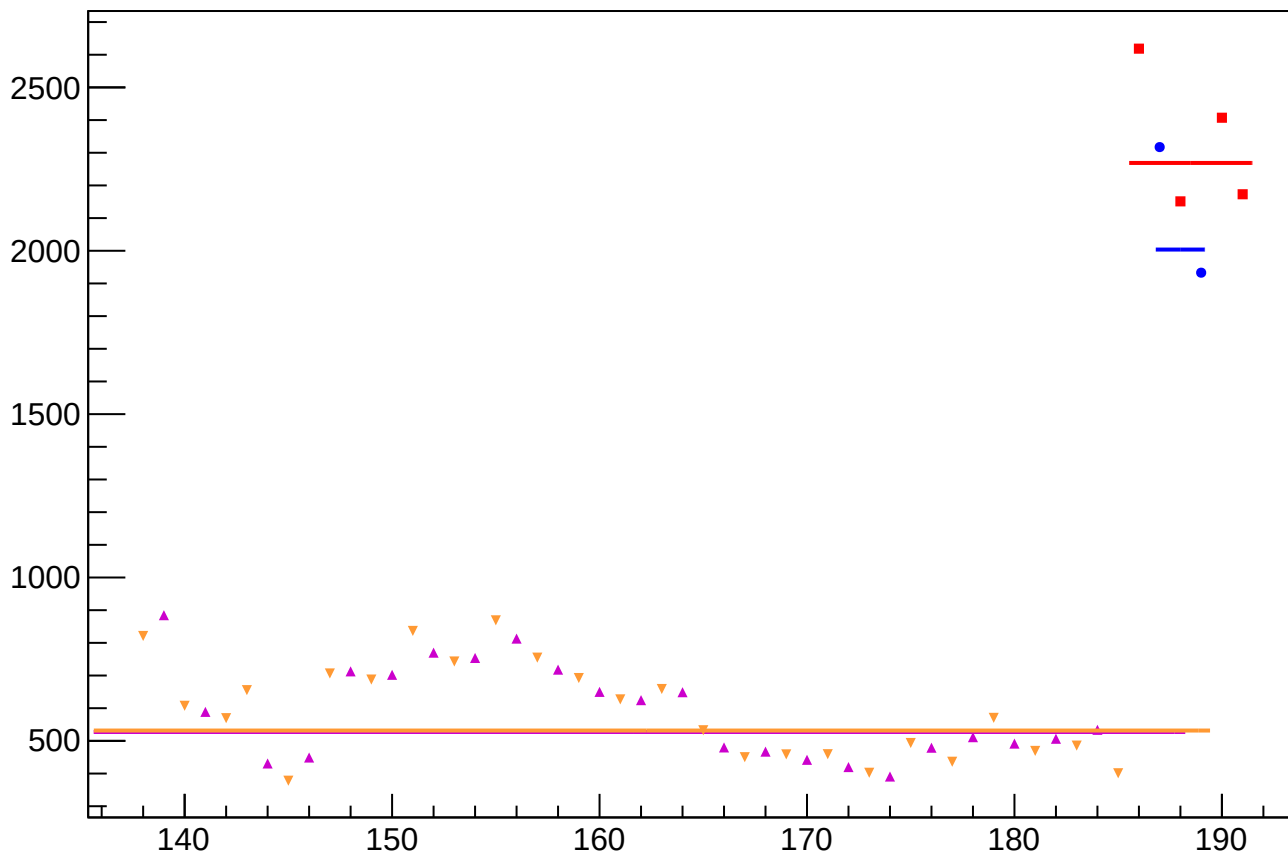
Right: 179.637+/-1400.581 χ^2/NDF : 4.9/5

In: 48.917+/-129.022 χ^2/NDF :26.2/24

Out: -565.828+/-127.784 χ^2/NDF :71.9/28

All: -261.420+/-90.791 χ^2/NDF : 109.6/53

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 2003.717+/-1.809 χ^2/NDF : 6780.8/1

Left Out: 531.643+/-0.091 χ^2/NDF : 2038304.3/24

Right Out: 2268.805+/-1.183 χ^2/NDF : 21940.1/3

Left In: 527.182+/-0.091 χ^2/NDF : 1813383.7/22

Left: 529.430+/-0.064 χ^2/NDF : 3852889.7/47

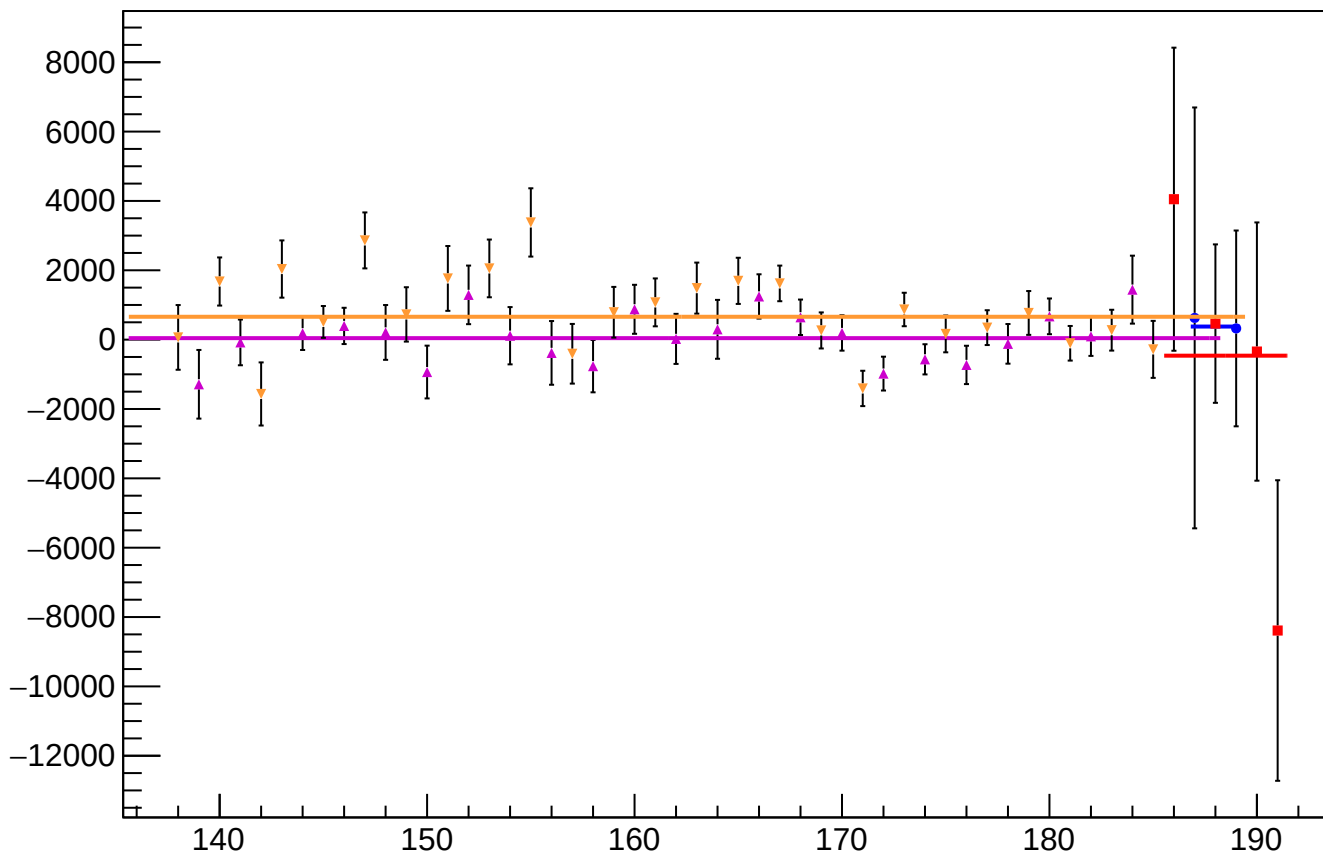
Right: 2189.366+/-0.990 χ^2/NDF : 43757.1/5

In: 530.937+/-0.091 χ^2/NDF : 2484577.7/24

Out: 541.770+/-0.090 χ^2/NDF : 4202434.7/28

All: 536.406+/-0.064 χ^2/NDF : 6694129.3/53

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 377.408 $\pm$ 2559.931 χ^2 /NDF: 0.0/1

Left Out: 659.523 $\pm$ 128.164 χ^2 /NDF:62.4/24

Right Out: -462.479 $\pm$ 1645.542 χ^2 /NDF: 4.6/3

Left In: 43.183 $\pm$ 129.538 χ^2 /NDF:26.0/22

Left: 354.638 $\pm$ 91.108 χ^2 /NDF: 99.9/47

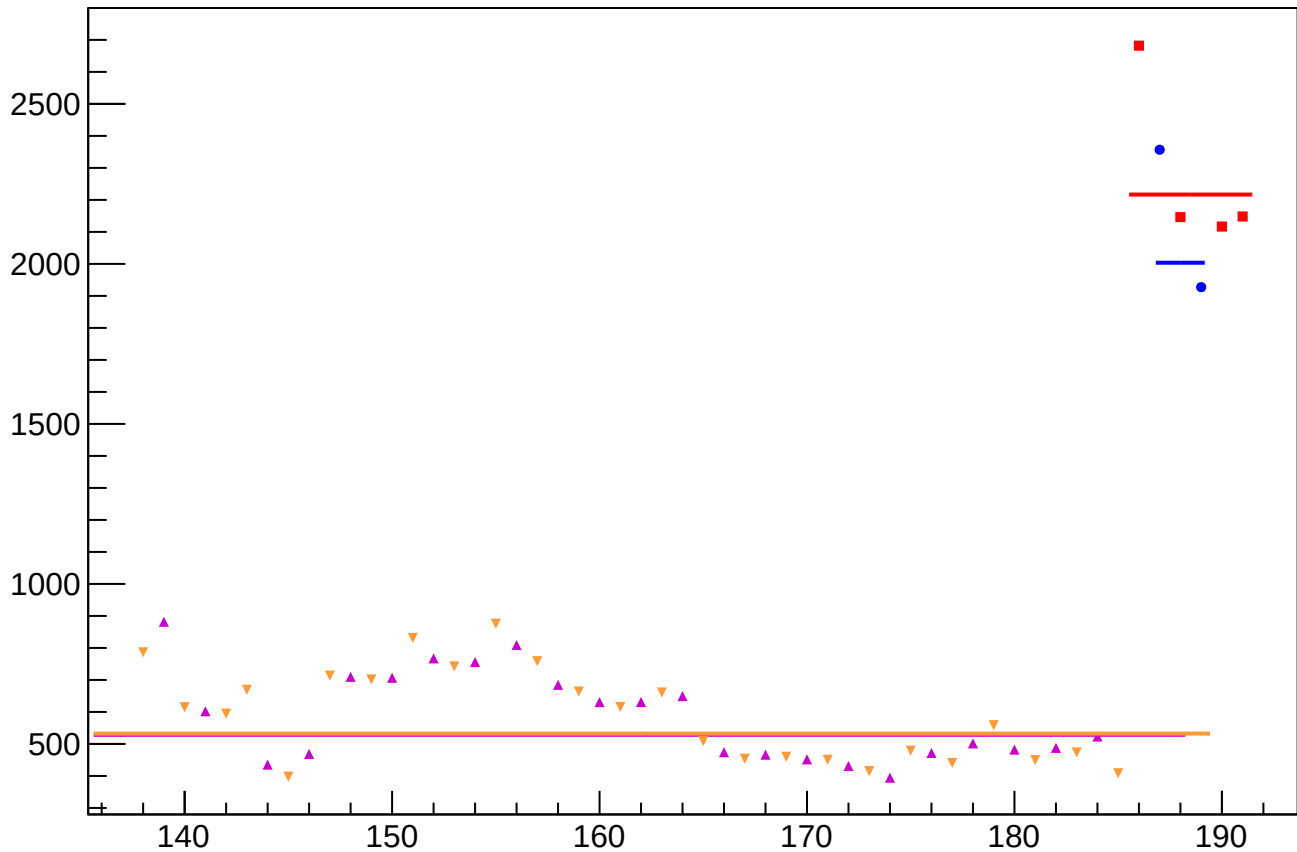
Right: -216.907 $\pm$ 1384.226 χ^2 /NDF: 4.7/5

In: 44.036 $\pm$ 129.372 χ^2 /NDF:26.1/24

Out: 652.758 $\pm$ 127.777 χ^2 /NDF:67.5/28

All: 352.173 $\pm$ 90.911 χ^2 /NDF: 104.7/53

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 2003.685+/-1.810 χ^2/NDF : 8233.9/1

Left Out: 532.393+/-0.091 χ^2/NDF :1943066.8/24

Right Out: 2216.665+/-1.164 χ^2/NDF : 26517.4/3

Left In: 528.464+/-0.092 χ^2/NDF :1712049.5/22

Left: 530.449+/-0.064 χ^2/NDF : 3656045.7/47

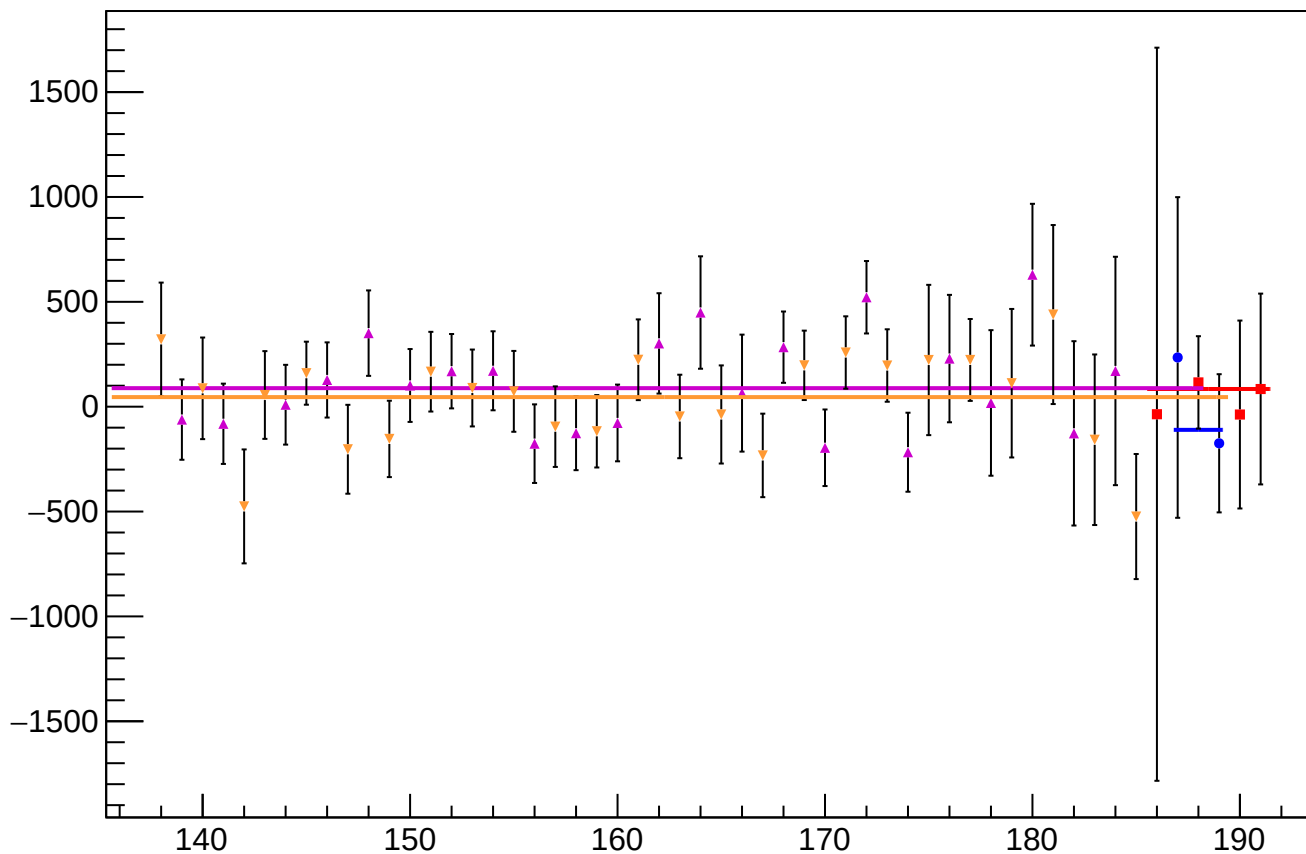
Right: 2154.393+/-0.979 χ^2/NDF : 44547.3/5

In: 532.232+/-0.091 χ^2/NDF :2382769.6/24

Out: 542.548+/-0.090 χ^2/NDF :4052206.0/28

All: 537.454+/-0.064 χ^2/NDF : 6441412.6/53

dit_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -110.463+/-302.562 χ^2/NDF : 0.2/1

Left Out: 45.675+/-41.779 χ^2/NDF : 21.9/24

Right Out: 84.391+/-180.348 χ^2/NDF : 0.1/3

Left In: 88.356+/-43.518 χ^2/NDF : 26.4/22

Left: 66.145+/-30.138 χ^2/NDF : 48.8/47

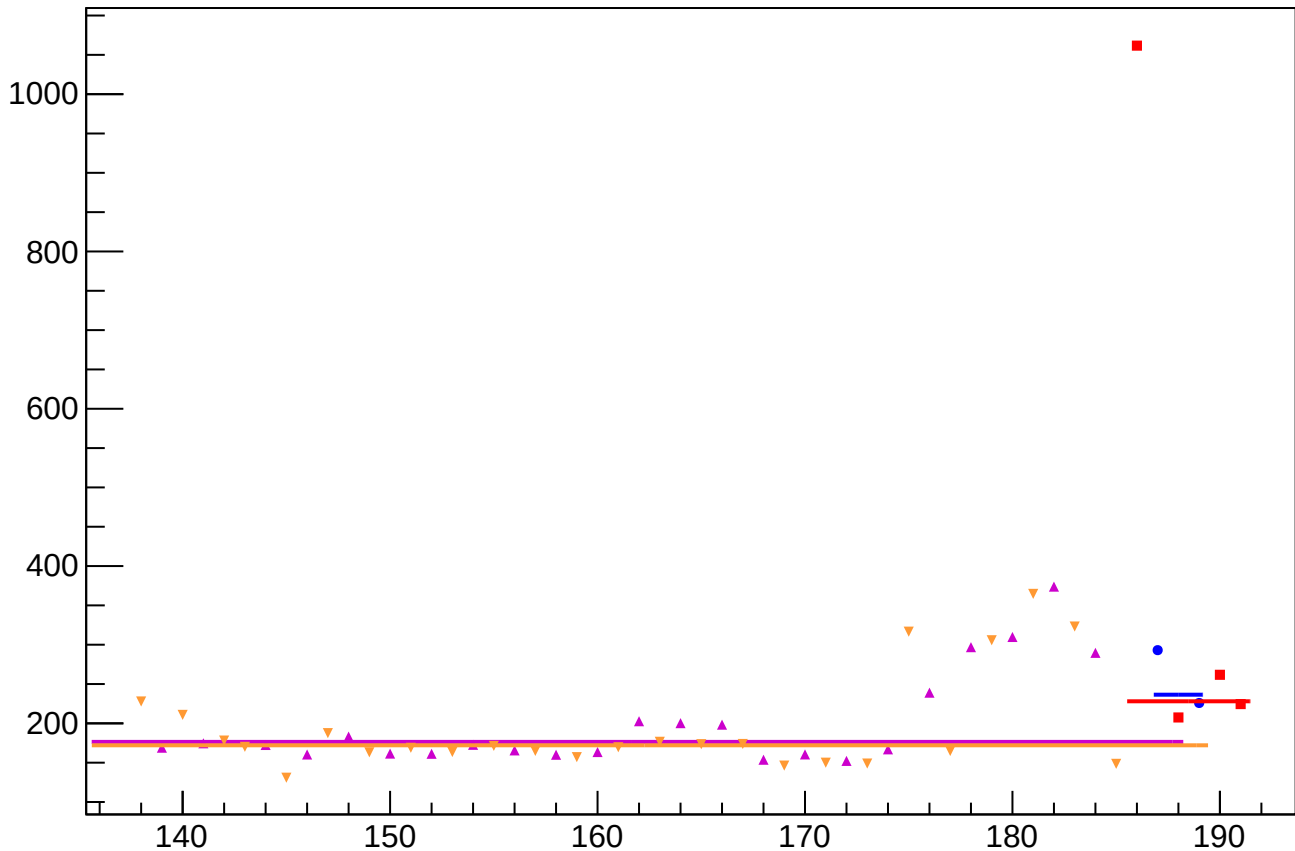
Right: 33.309+/-154.915 χ^2/NDF : 0.6/5

In: 84.326+/-43.075 χ^2/NDF : 27.0/24

Out: 47.647+/-40.701 χ^2/NDF : 22.1/28

All: 64.948+/-29.584 χ^2/NDF : 49.5/53

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 236.434 $\pm$ 0.214 χ^2 /NDF: 13020.6/1

Left Out: 172.097 $\pm$ 0.030 χ^2 /NDF: 1752497.1/24

Right Out: 228.049 $\pm$ 0.128 χ^2 /NDF: 483815.4/3

Left In: 176.425 $\pm$ 0.031 χ^2 /NDF: 1360607.7/22

Left: 174.173 $\pm$ 0.021 χ^2 /NDF: 3123399.2/47

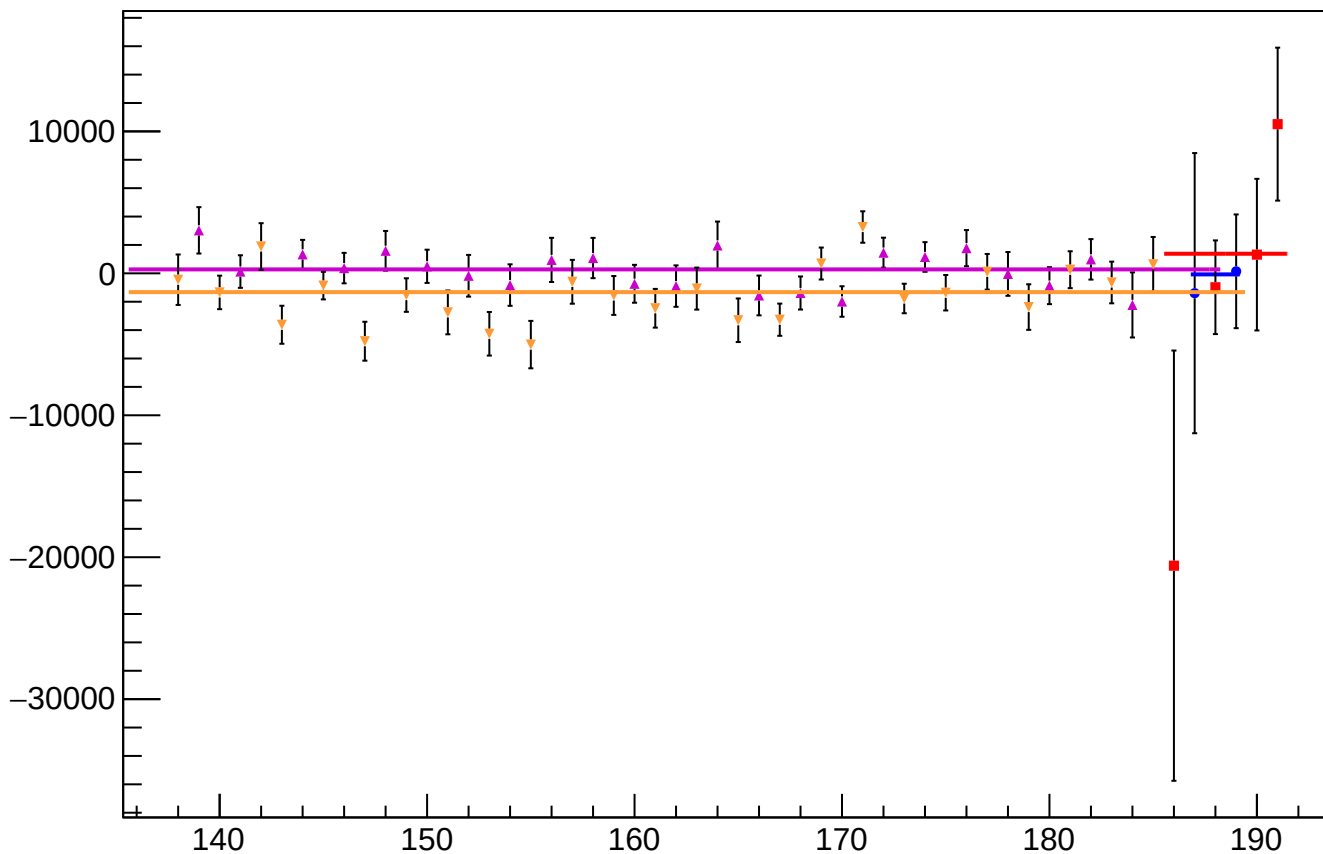
Right: 230.247 $\pm$ 0.110 χ^2 /NDF: 497969.6/5

In: 177.641 $\pm$ 0.030 χ^2 /NDF: 1450709.5/24

Out: 174.947 $\pm$ 0.029 χ^2 /NDF: 2419010.8/28

All: 176.218 $\pm$ 0.021 χ^2 /NDF: 3873855.3/53

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -74.393 ± 3712.128 $\chi^2/\text{NDF}: 0.0/1$

Left Out: -1324.367 ± 265.950 $\chi^2/\text{NDF}: 53.6/24$

Right Out: 1379.458 ± 2456.721 $\chi^2/\text{NDF}: 5.5/3$

Left In: 276.678 ± 270.547 $\chi^2/\text{NDF}: 22.0/22$

Left: -537.562 ± 189.659 $\chi^2/\text{NDF}: 93.5/47$

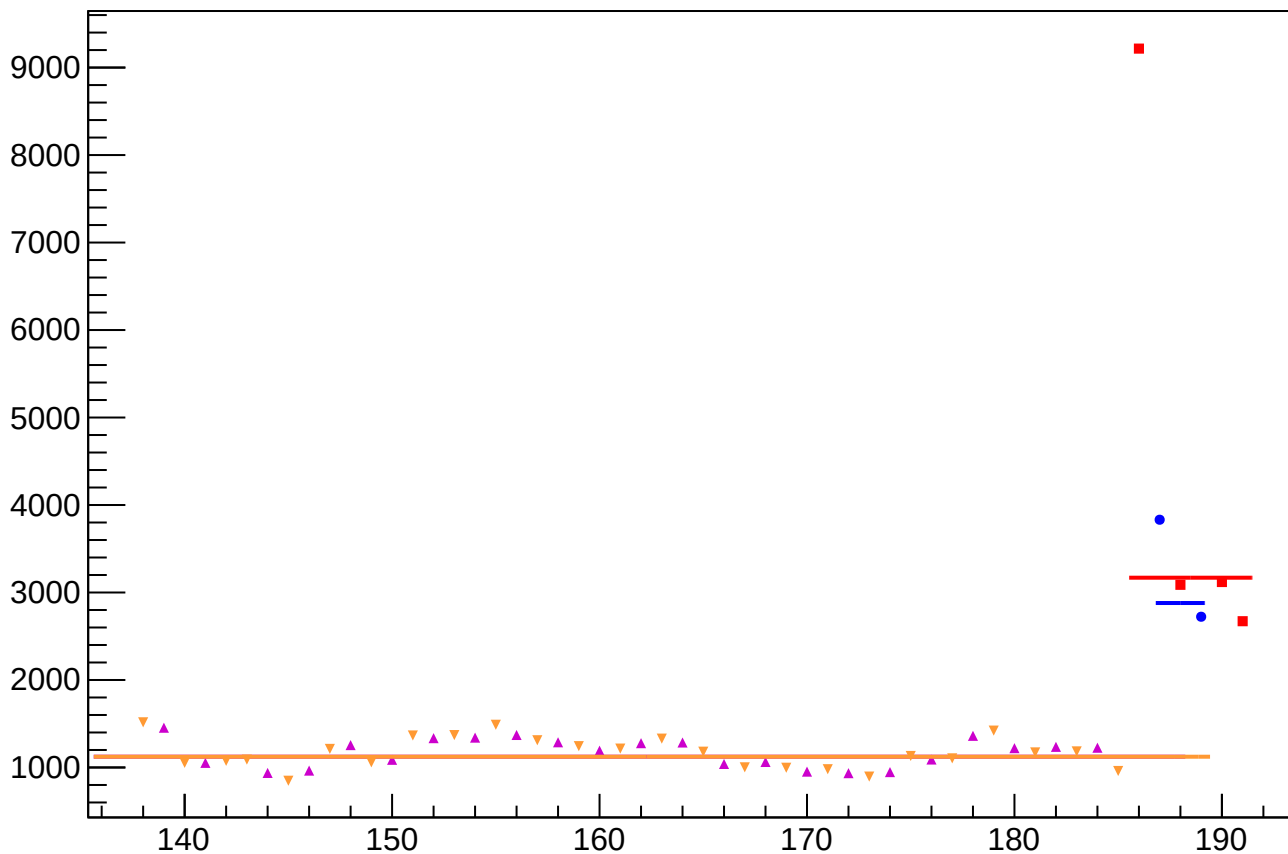
Right: 936.636 ± 2048.696 $\chi^2/\text{NDF}: 5.6/5$

In: 274.823 ± 269.831 $\chi^2/\text{NDF}: 22.0/24$

Out: -1293.048 ± 264.405 $\chi^2/\text{NDF}: 60.3/28$

All: -525.035 ± 188.852 $\chi^2/\text{NDF}: 99.6/53$

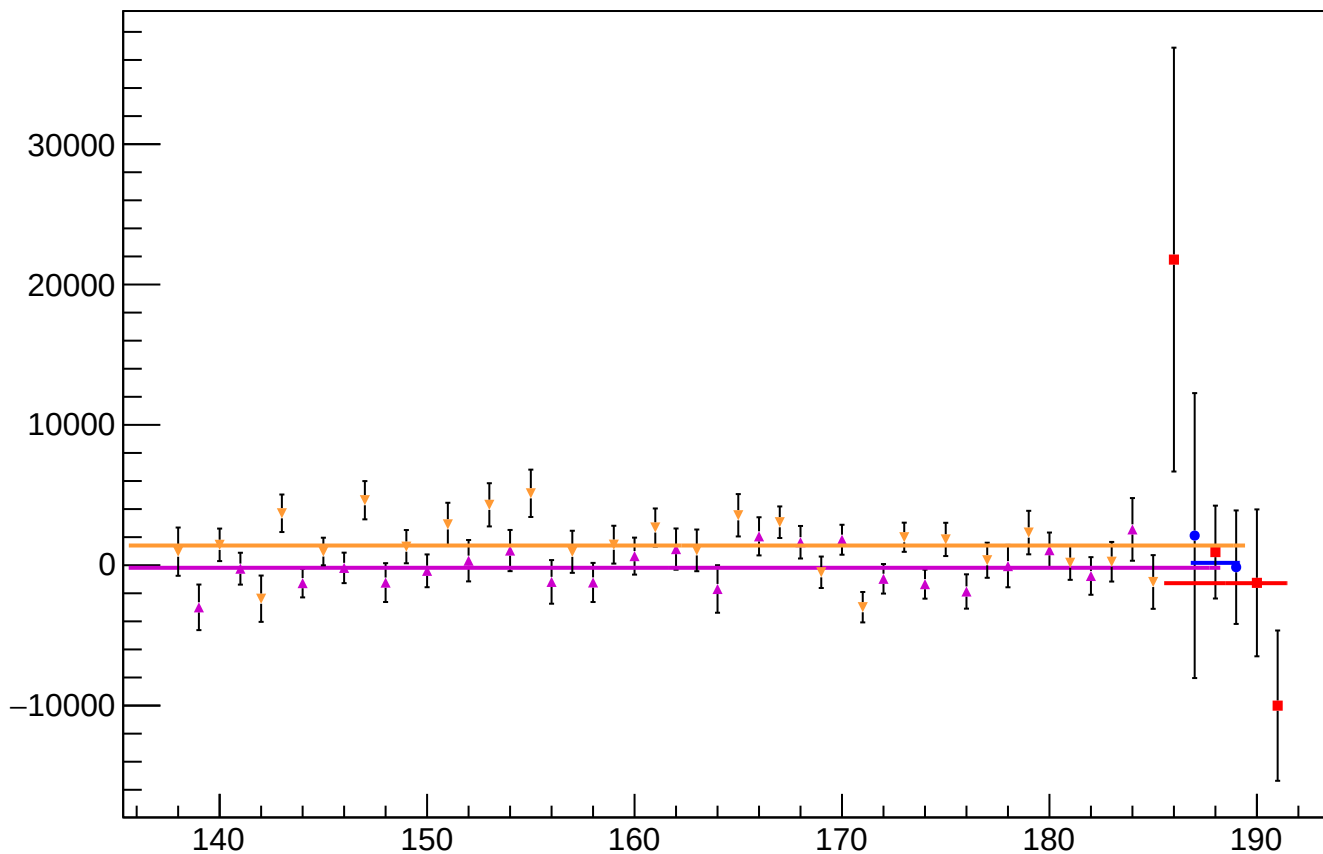
asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 2879.819+/-2.625 χ^2/NDF : 21672.5/1
 Left Out: 1123.022+/-0.188 χ^2/NDF : 842393.5/24
 Right Out: 3169.169+/-1.737 χ^2/NDF : 336854.1/3
 Left In: 1123.148+/-0.191 χ^2/NDF : 689778.4/22

Left: 1123.084+/-0.134 χ^2/NDF : 1532172.1/47
 Right: 3081.038+/-1.449 χ^2/NDF : 366977.0/5
 In: 1132.429+/-0.191 χ^2/NDF : 1156968.4/24
 Out: 1146.723+/-0.187 χ^2/NDF : 2550547.7/28
 All: 1139.721+/-0.134 χ^2/NDF : 3710379.1/53

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 168.338 $\pm$ 3756.585 χ^2 /NDF: 0.0/1

Left Out: 1404.763 $\pm$ 262.517 χ^2 /NDF:53.1/24

Right Out: -1278.987 $\pm$ 2446.122 χ^2 /NDF: 5.4/3

Left In: -183.249 $\pm$ 267.620 χ^2 /NDF:23.7/22

Left: 626.041 $\pm$ 187.406 χ^2 /NDF: 94.8/47

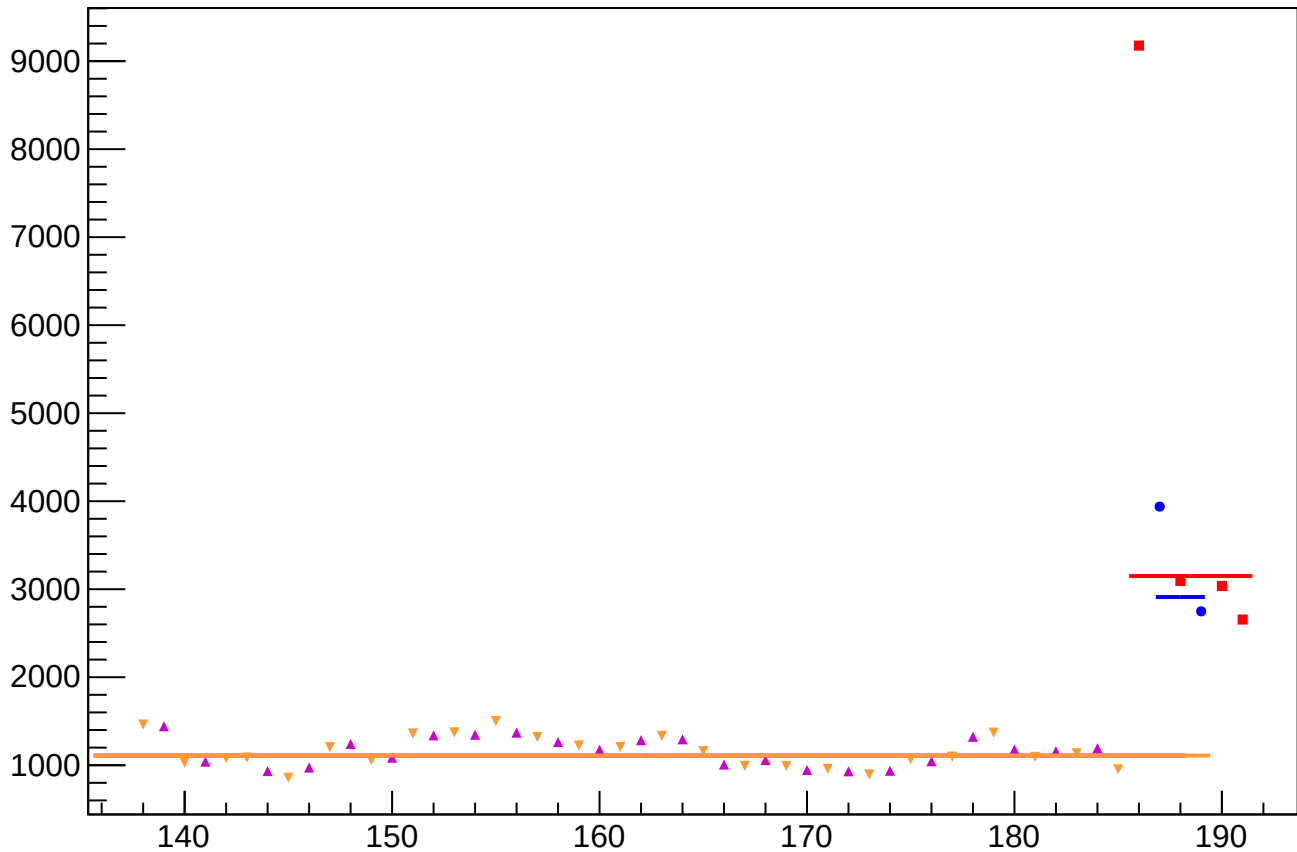
Right: -848.039 $\pm$ 2049.852 χ^2 /NDF: 5.6/5

In: -181.474 $\pm$ 266.944 χ^2 /NDF:23.8/24

Out: 1374.205 $\pm$ 261.018 χ^2 /NDF:59.7/28

All: 613.823 $\pm$ 186.627 χ^2 /NDF: 100.9/53

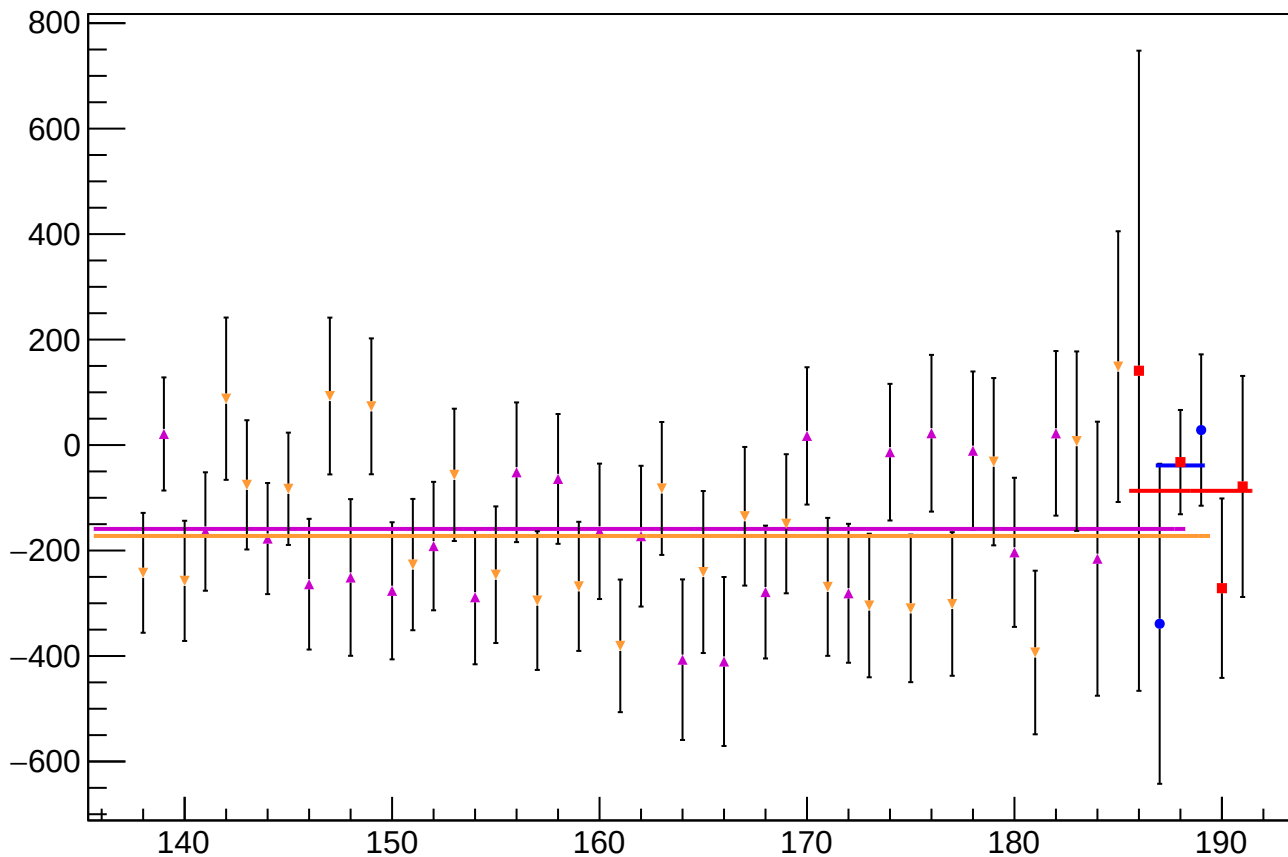
asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 2911.294+/-2.656 χ^2/NDF : 23729.3/1
 Left Out: 1109.574+/-0.186 χ^2/NDF : 812957.8/24
 Right Out: 3149.654+/-1.730 χ^2/NDF : 337171.9/3
 Left In: 1110.162+/-0.189 χ^2/NDF : 673229.2/22

Left: 1109.863+/-0.133 χ^2/NDF : 1486192.0/47
 Right: 3078.681+/-1.449 χ^2/NDF : 366555.7/5
 In: 1119.257+/-0.189 χ^2/NDF : 1154400.4/24
 Out: 1132.804+/-0.185 χ^2/NDF : 2525420.5/28
 All: 1126.182+/-0.132 χ^2/NDF : 3682453.9/53

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -38.675 ± 129.729 $\chi^2/\text{NDF}: 1.2/1$

Left Out: -172.357 ± 26.709 $\chi^2/\text{NDF}: 27.2/24$

Right Out: -86.793 ± 78.488 $\chi^2/\text{NDF}: 1.6/3$

Left In: -159.044 ± 27.608 $\chi^2/\text{NDF}: 21.1/22$

Left: -165.921 ± 19.196 $\chi^2/\text{NDF}: 48.4/47$

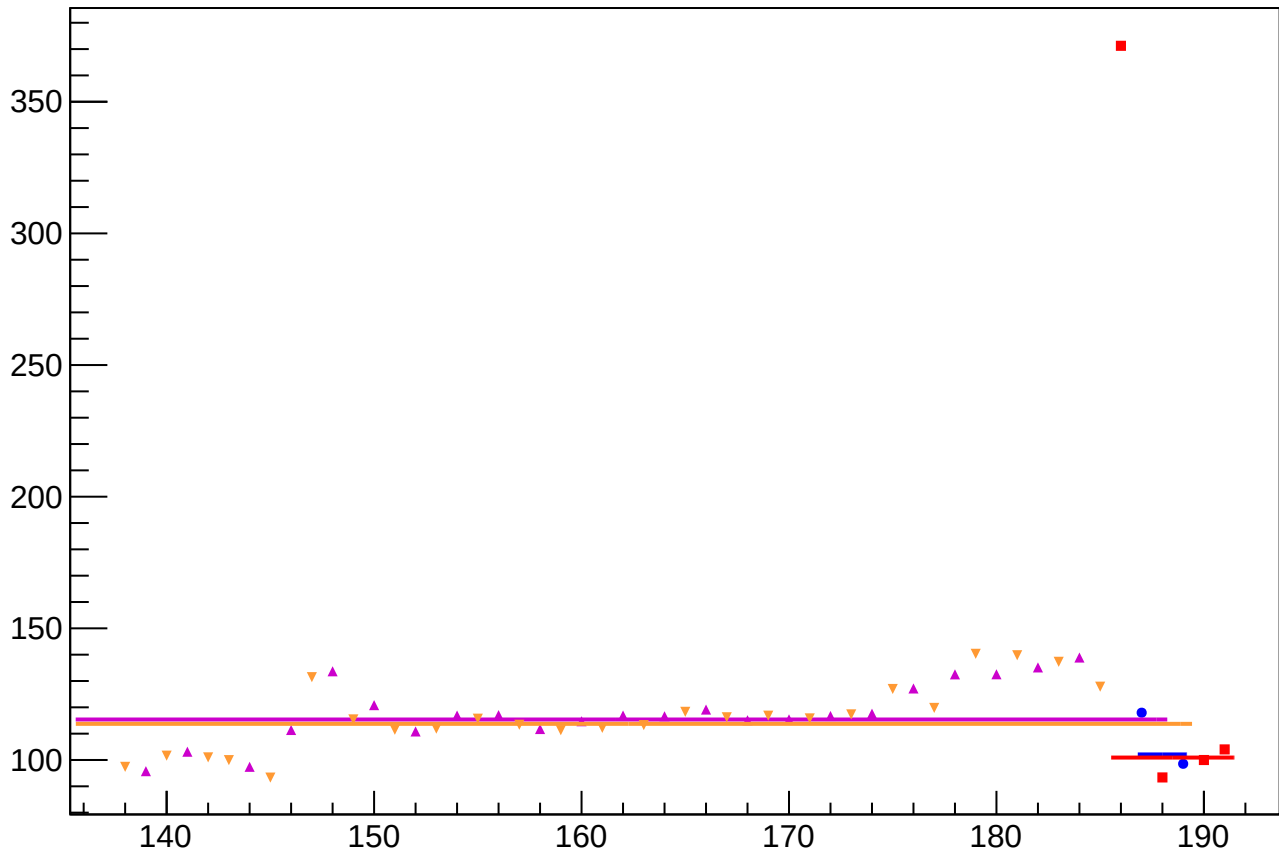
Right: -73.899 ± 67.154 $\chi^2/\text{NDF}: 2.9/5$

In: -153.829 ± 27.003 $\chi^2/\text{NDF}: 23.1/24$

Out: -163.477 ± 25.285 $\chi^2/\text{NDF}: 29.9/28$

All: -158.969 ± 18.457 $\chi^2/\text{NDF}: 53.1/53$

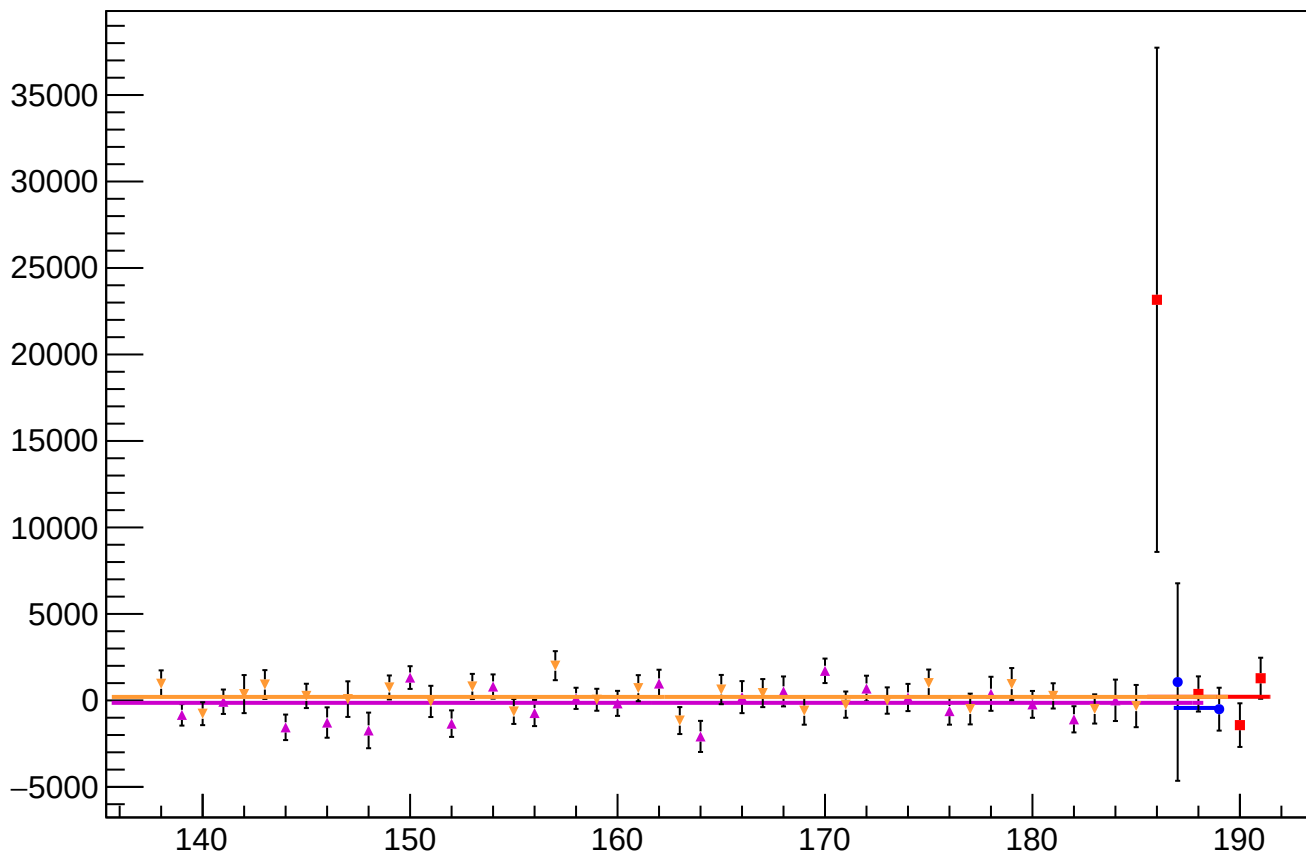
dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 102.104 ± 0.092 $\chi^2/\text{NDF}: 6685.3/1$
 Left Out: 113.727 ± 0.019 $\chi^2/\text{NDF}: 392153.8/24$
 Right Out: 100.920 ± 0.055 $\chi^2/\text{NDF}: 408935.4/3$
 Left In: 115.377 ± 0.020 $\chi^2/\text{NDF}: 309034.7/22$

Left: 114.525 ± 0.014 $\chi^2/\text{NDF}: 704876.2/47$
 Right: 101.237 ± 0.047 $\chi^2/\text{NDF}: 415742.5/5$
 In: 114.802 ± 0.019 $\chi^2/\text{NDF}: 335748.3/24$
 Out: 112.398 ± 0.018 $\chi^2/\text{NDF}: 848812.7/28$
 All: 113.521 ± 0.013 $\chi^2/\text{NDF}: 1193003.9/53$

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -435.442 $\pm$ 1211.347 χ^2 /NDF: 0.1/1

Left Out: 202.466 $\pm$ 159.030 χ^2 /NDF:19.8/24

Right Out: 209.598 $\pm$ 657.814 χ^2 /NDF: 5.0/3

Left In: -140.039 $\pm$ 161.024 χ^2 /NDF:36.9/22

Left: 33.348 $\pm$ 113.149 χ^2 /NDF: 58.9/47

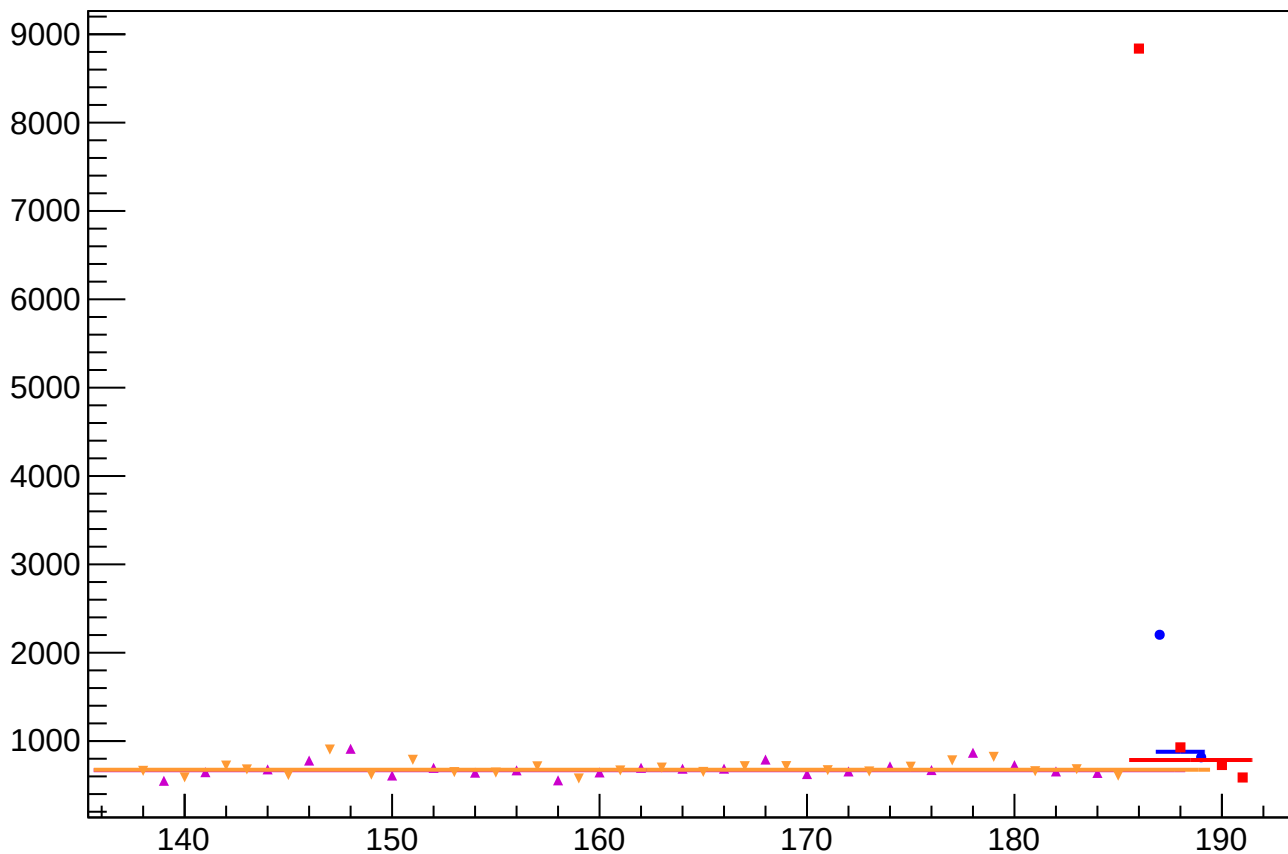
Right: 62.699 $\pm$ 578.077 χ^2 /NDF: 5.3/5

In: -145.168 $\pm$ 159.620 χ^2 /NDF:37.0/24

Out: 202.860 $\pm$ 154.577 χ^2 /NDF:24.8/28

All: 34.431 $\pm$ 111.042 χ^2 /NDF: 64.2/53

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 878.848 $\pm$ 0.857 χ^2 /NDF: 112685.6/1

Left Out: 675.335 $\pm$ 0.112 χ^2 /NDF: 358713.6/24

Right Out: 785.558 $\pm$ 0.465 χ^2 /NDF: 709557.7/3

Left In: 669.938 $\pm$ 0.114 χ^2 /NDF: 464085.7/22

Left: 672.670 $\pm$ 0.080 χ^2 /NDF: 823936.7/47

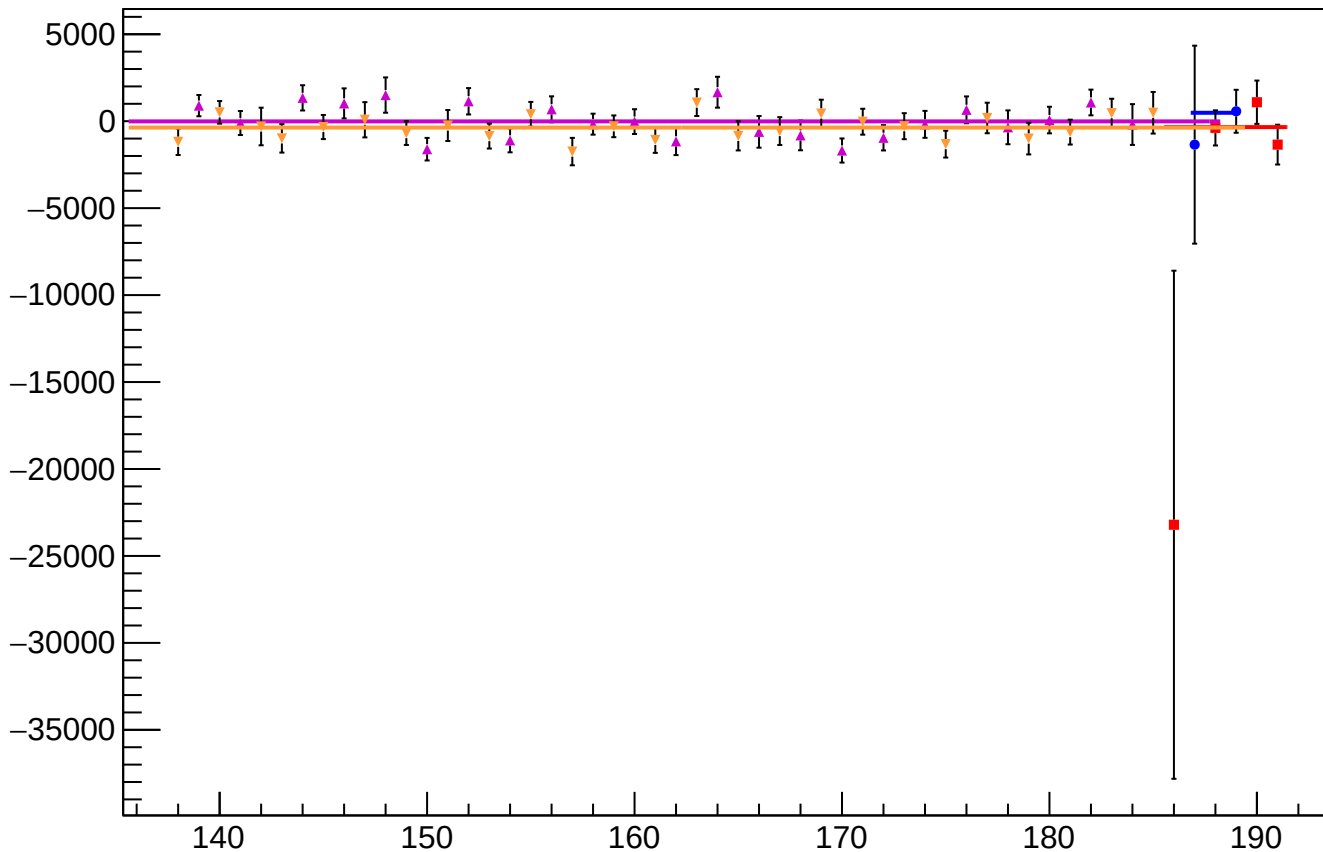
Right: 806.804 $\pm$ 0.409 χ^2 /NDF: 831404.0/5

In: 673.565 $\pm$ 0.113 χ^2 /NDF: 635224.3/24

Out: 681.421 $\pm$ 0.109 χ^2 /NDF: 1121323.8/28

All: 677.619 $\pm$ 0.079 χ^2 /NDF: 1759048.1/53

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 483.710 $\pm$ 1207.161 χ^2 /NDF: 0.1/1

Left Out: -365.394 $\pm$ 156.301 χ^2 /NDF:18.7/24

Right Out: -339.822 $\pm$ 646.659 χ^2 /NDF: 4.5/3

Left In: -11.243 $\pm$ 158.497 χ^2 /NDF:38.8/22

Left: -190.789 $\pm$ 111.290 χ^2 /NDF: 60.1/47

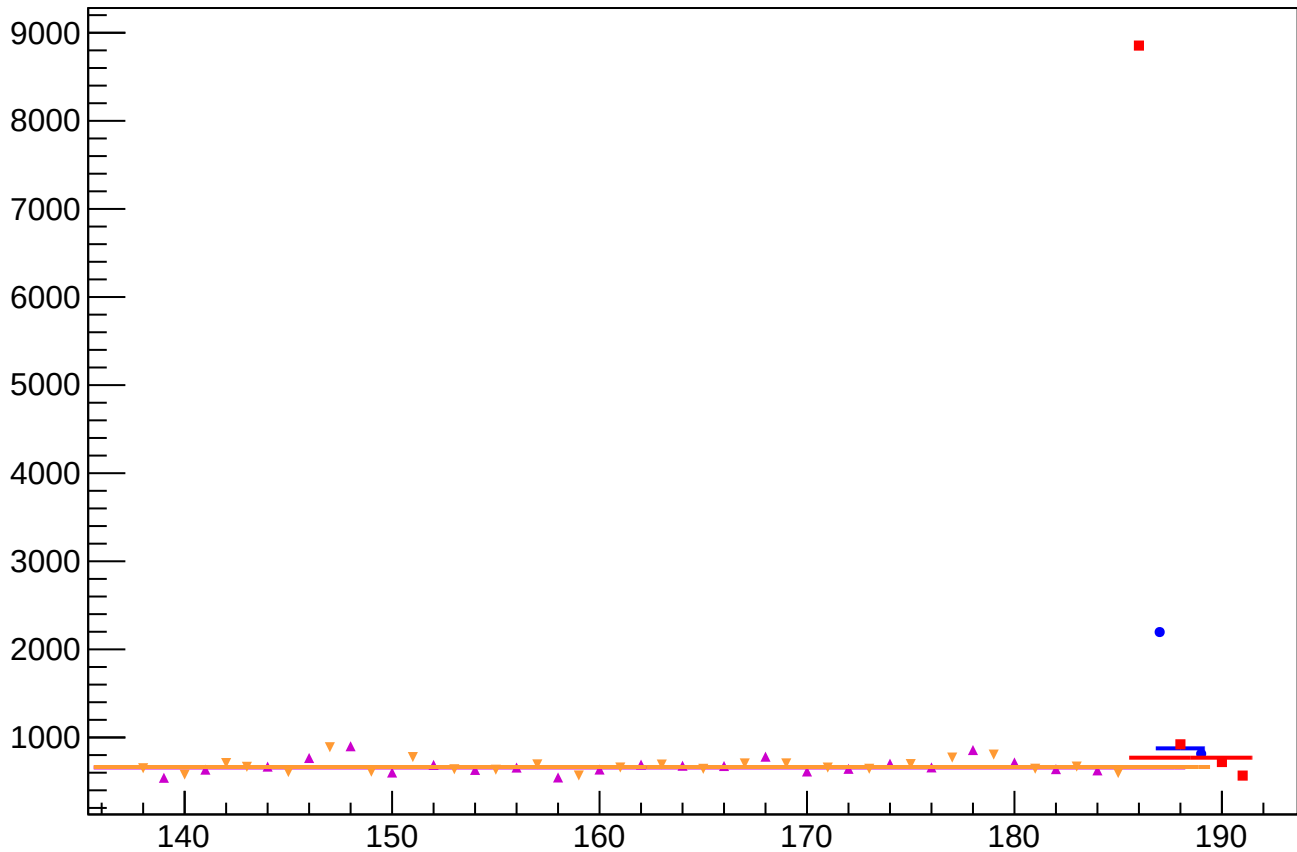
Right: -156.195 $\pm$ 570.024 χ^2 /NDF: 5.0/5

In: -2.855 $\pm$ 157.148 χ^2 /NDF:39.1/24

Out: -363.982 $\pm$ 151.926 χ^2 /NDF:23.3/28

All: -189.519 $\pm$ 109.227 χ^2 /NDF: 65.1/53

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 876.288 $\pm$ 0.854 χ^2 /NDF: 112659.5/1

Left Out: 664.618 $\pm$ 0.111 χ^2 /NDF: 356964.3/24

Right Out: 770.296 $\pm$ 0.457 χ^2 /NDF: 723702.7/3

Left In: 659.230 $\pm$ 0.112 χ^2 /NDF: 472744.9/22

Left: 661.962 $\pm$ 0.079 χ^2 /NDF: 830881.0/47

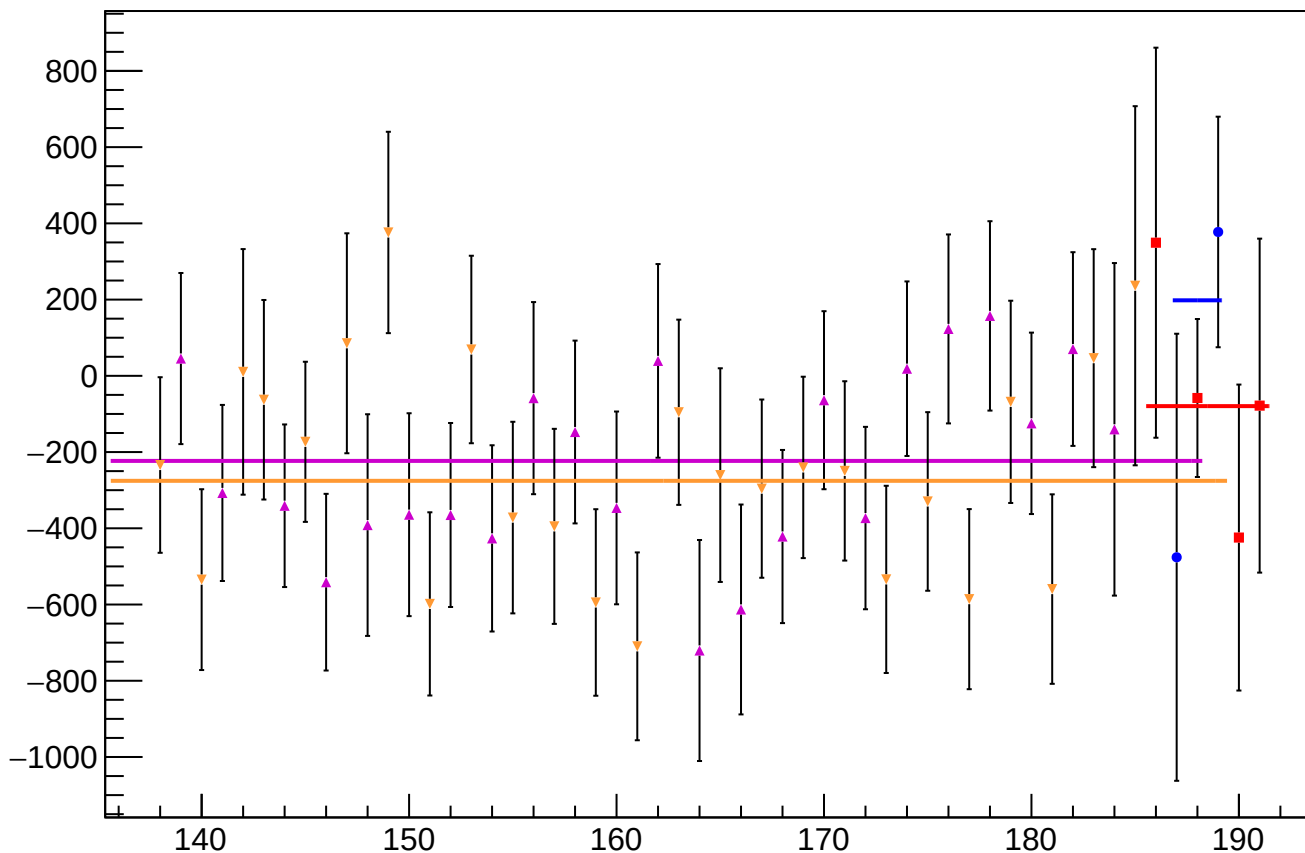
Right: 793.929 $\pm$ 0.403 χ^2 /NDF: 848342.8/5

In: 662.908 $\pm$ 0.111 χ^2 /NDF: 648970.7/24

Out: 670.451 $\pm$ 0.107 χ^2 /NDF: 1131131.6/28

All: 666.807 $\pm$ 0.077 χ^2 /NDF: 1782484.0/53

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 198.122 ± 268.811 $\chi^2/\text{NDF}: 1.7/1$

Left Out: -275.447 ± 50.539 $\chi^2/\text{NDF}: 27.3/24$

Right Out: -79.480 ± 161.124 $\chi^2/\text{NDF}: 1.5/3$

Left In: -223.195 ± 51.742 $\chi^2/\text{NDF}: 20.8/22$

Left: -249.935 ± 36.154 $\chi^2/\text{NDF}: 48.6/47$

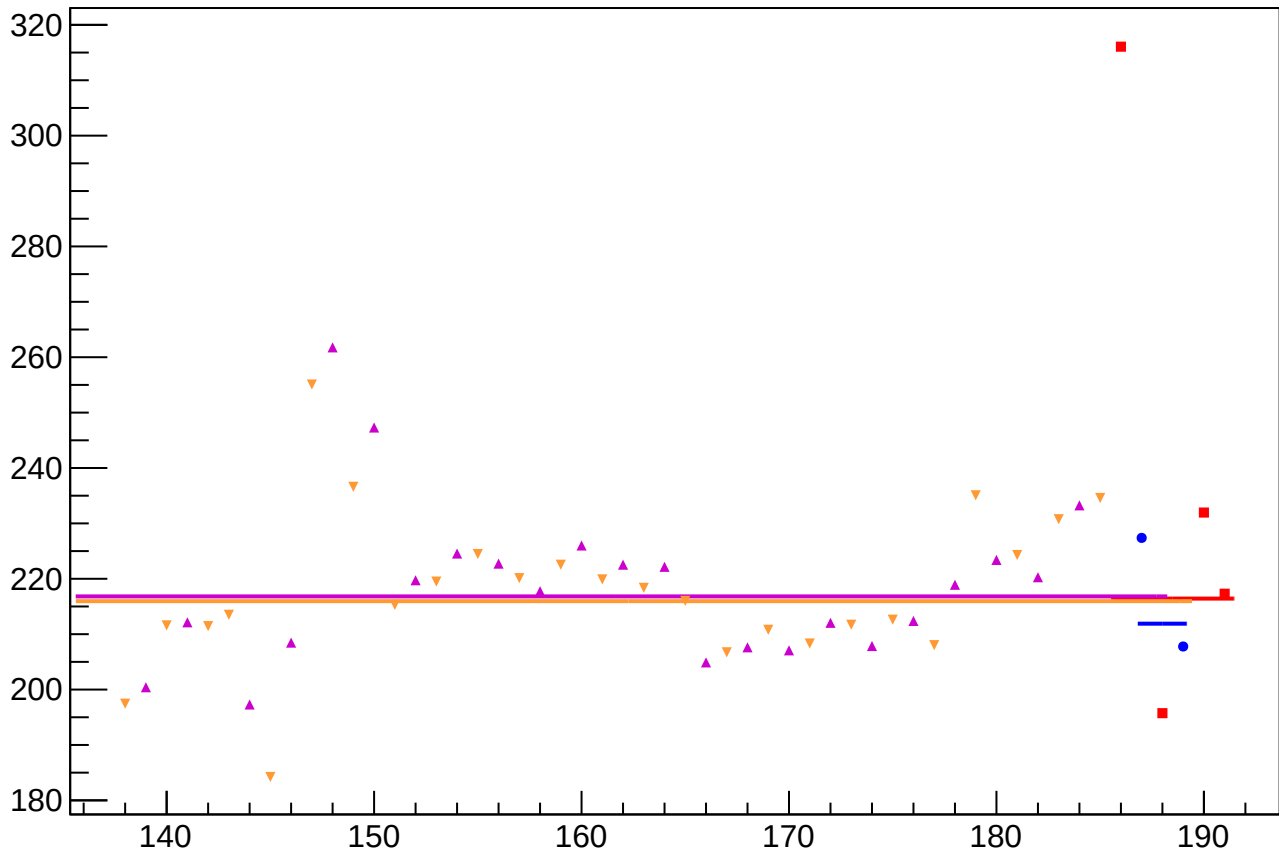
Right: -6.106 ± 138.200 $\chi^2/\text{NDF}: 3.9/5$

In: -208.143 ± 50.809 $\chi^2/\text{NDF}: 24.8/24$

Out: -257.893 ± 48.223 $\chi^2/\text{NDF}: 30.1/28$

All: -234.316 ± 34.977 $\chi^2/\text{NDF}: 55.4/53$

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 211.895 $\pm$ 0.190 χ^2 /NDF: 1766.1/1

Left Out: 215.963 $\pm$ 0.036 χ^2 /NDF:144735.1/24

Right Out: 216.424 $\pm$ 0.114 χ^2 /NDF: 98763.6/3

Left In: 216.821 $\pm$ 0.037 χ^2 /NDF:132518.8/22

Left: 216.382 $\pm$ 0.026 χ^2 /NDF: 277535.4/47

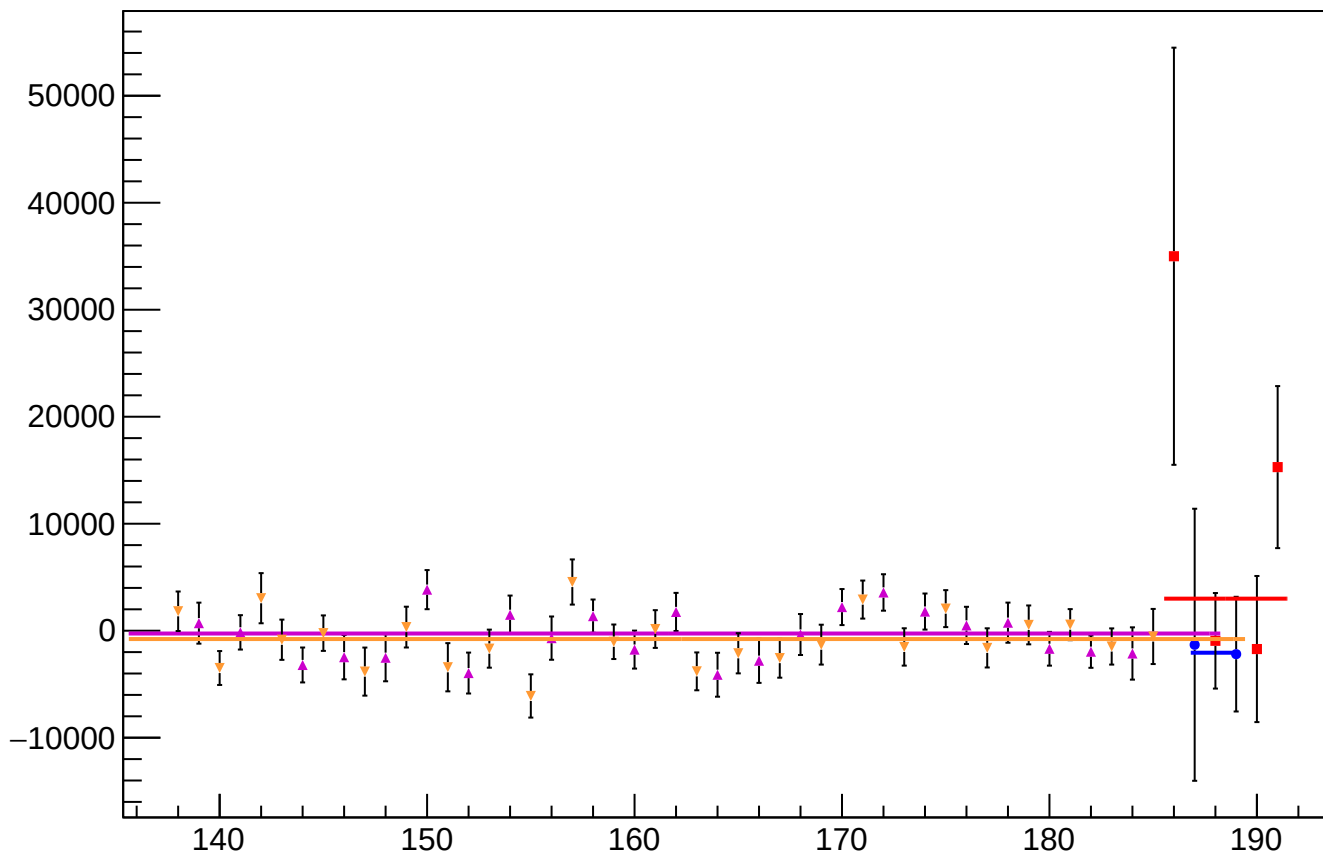
Right: 215.227 $\pm$ 0.098 χ^2 /NDF: 100947.5/5

In: 216.645 $\pm$ 0.036 χ^2 /NDF:134932.6/24

Out: 216.004 $\pm$ 0.034 χ^2 /NDF:243513.7/28

All: 216.308 $\pm$ 0.025 χ^2 /NDF: 378613.6/53

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -2057.668 $\pm$ 4938.737 χ^2 /NDF: 0.0/1

Left Out: -779.146 $\pm$ 366.965 χ^2 /NDF:38.5/24

Right Out: 2996.575 $\pm$ 3302.778 χ^2 /NDF: 6.6/3

Left In: -261.815 $\pm$ 376.203 χ^2 /NDF:35.4/22

Left: -526.910 $\pm$ 262.688 χ^2 /NDF: 74.9/47

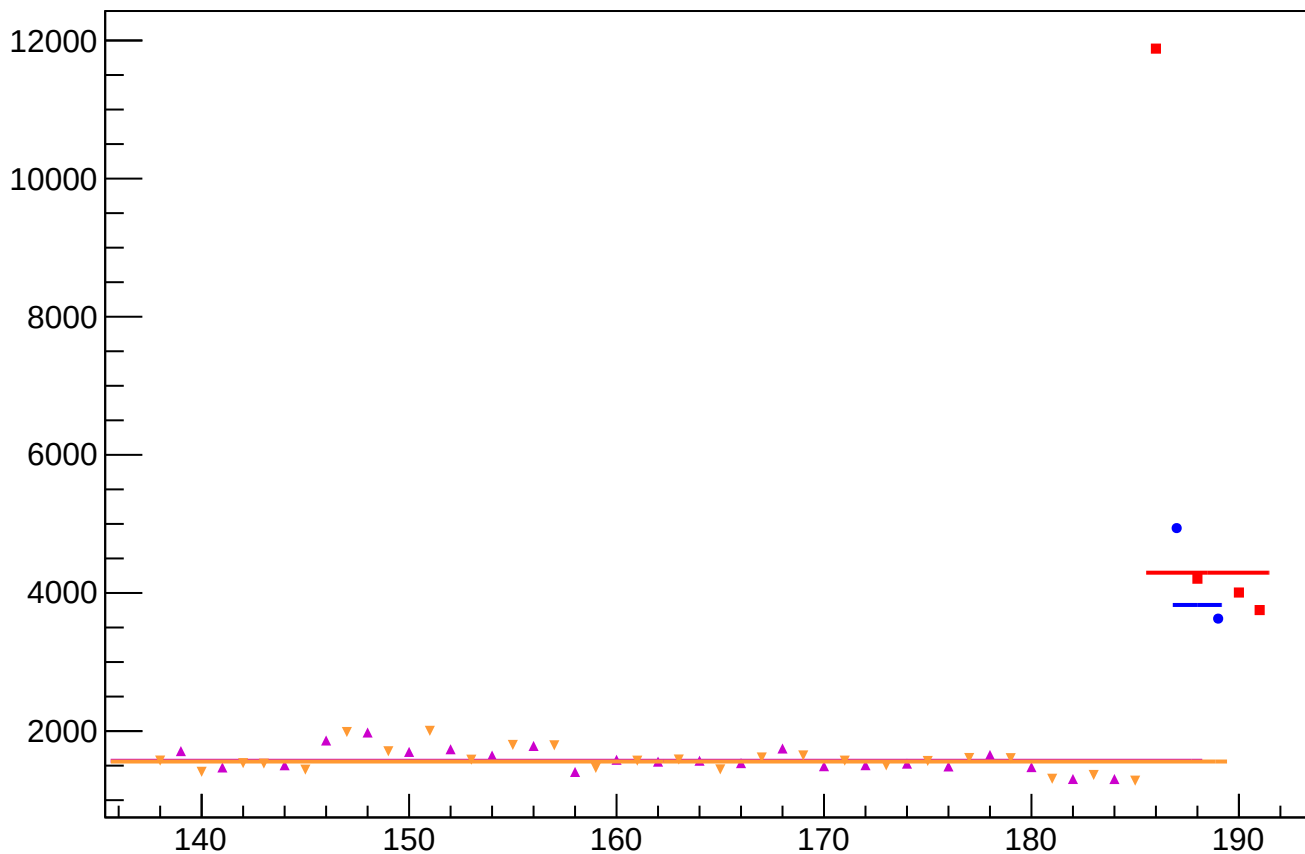
Right: 1434.699 $\pm$ 2745.435 χ^2 /NDF: 7.3/5

In: -272.175 $\pm$ 375.116 χ^2 /NDF:35.6/24

Out: -733.103 $\pm$ 364.721 χ^2 /NDF:46.3/28

All: -509.114 $\pm$ 261.494 χ^2 /NDF: 82.7/53

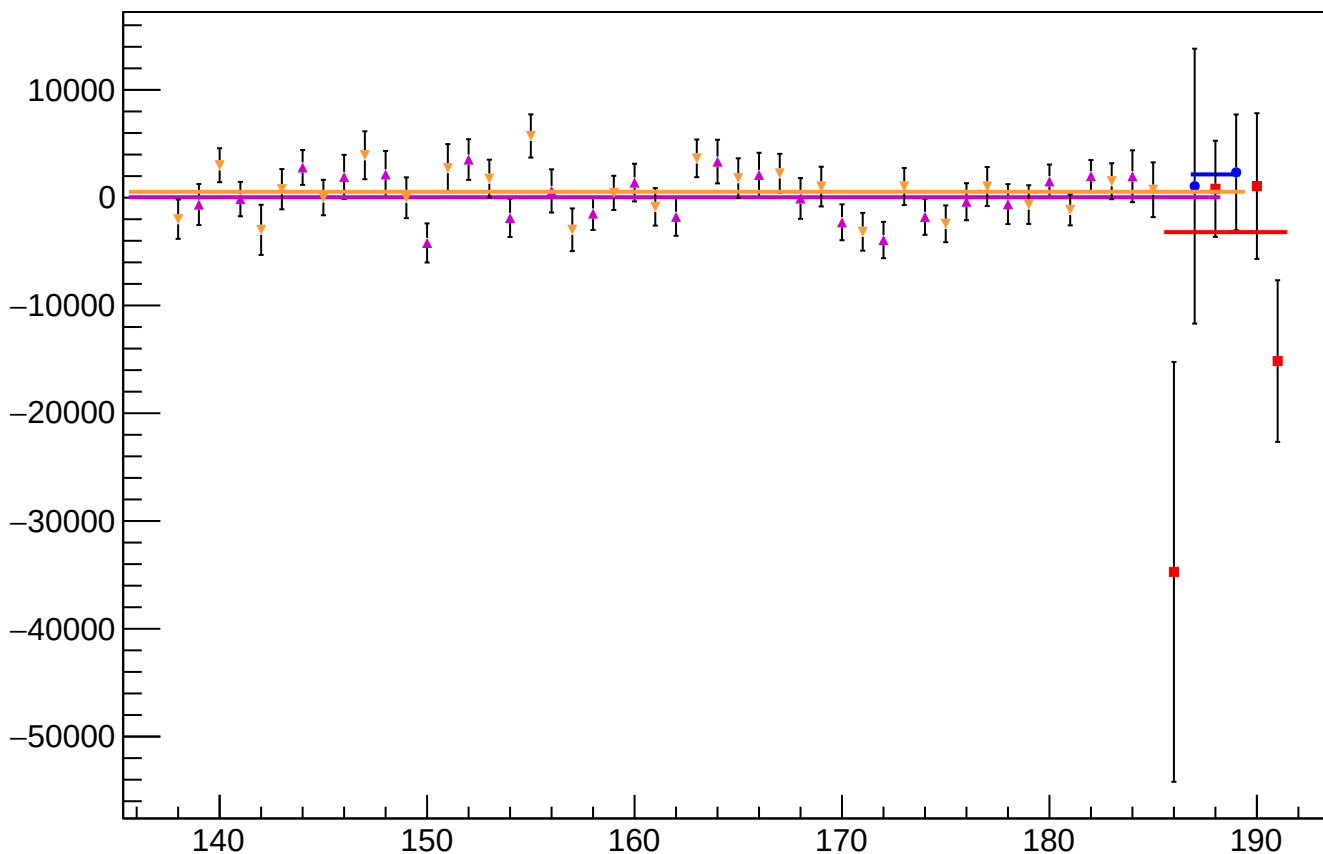
asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 3826.530+/-3.492 χ^2/NDF : 18050.9/1
 Left Out: 1559.504+/-0.259 χ^2/NDF : 379160.1/24
 Right Out: 4293.808+/-2.335 χ^2/NDF : 317563.6/3
 Left In: 1570.331+/-0.266 χ^2/NDF : 329434.5/22

Left: 1564.783+/-0.186 χ^2/NDF : 709443.3/47
 Right: 4149.408+/-1.941 χ^2/NDF : 347985.7/5
 In: 1583.347+/-0.265 χ^2/NDF : 762478.1/24
 Out: 1592.848+/-0.258 χ^2/NDF : 2050778.5/28
 All: 1588.231+/-0.185 χ^2/NDF : 2813916.1/53

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2159.443 $\pm$ 4946.996 χ^2 /NDF: 0.0/1

Left Out: 550.093 $\pm$ 362.172 χ^2 /NDF:35.6/24

Right Out: -3195.294 $\pm$ 3285.361 χ^2 /NDF: 6.4/3

Left In: 43.949 $\pm$ 371.765 χ^2 /NDF:33.5/22

Left: 303.636 $\pm$ 259.420 χ^2 /NDF: 70.0/47

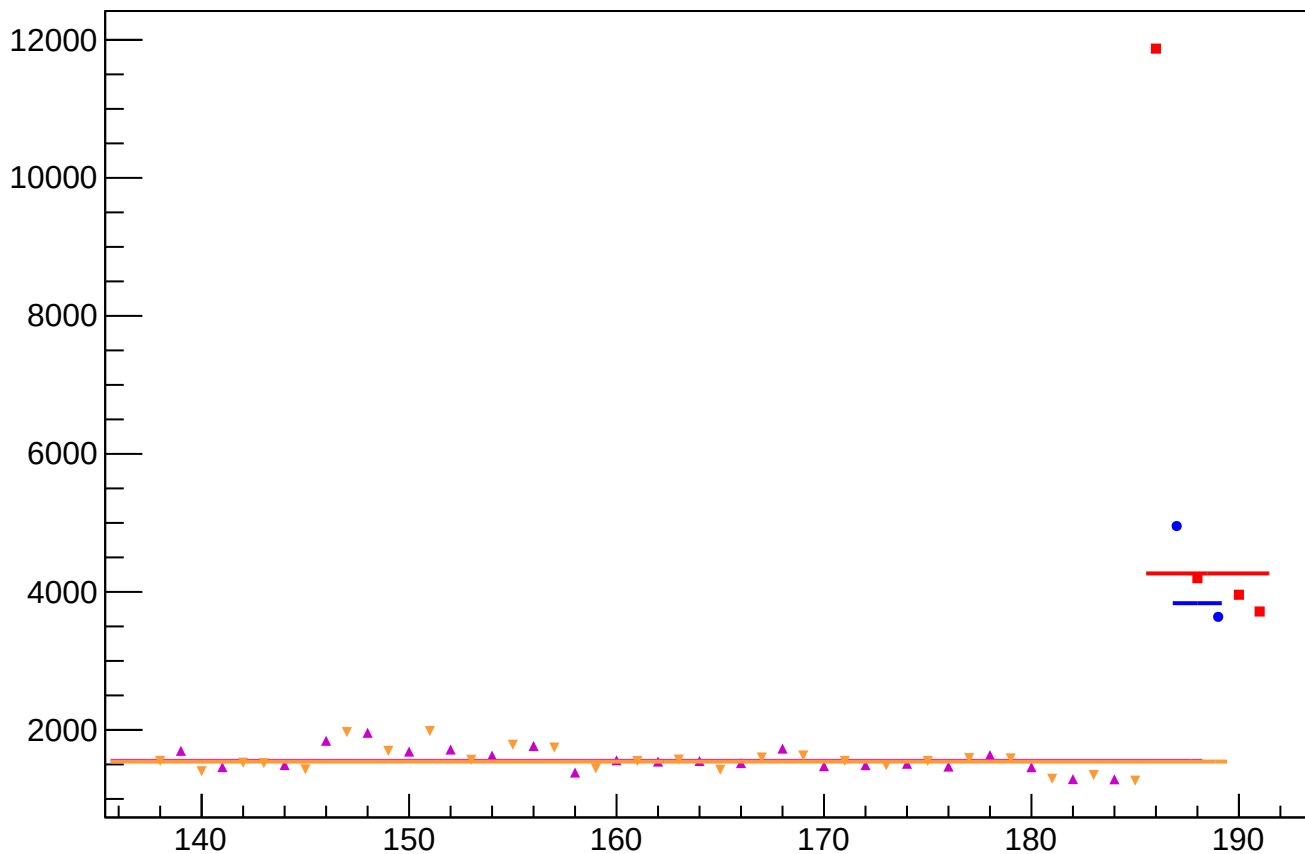
Right: -1556.427 $\pm$ 2736.808 χ^2 /NDF: 7.2/5

In: 55.829 $\pm$ 370.720 χ^2 /NDF:33.7/24

Out: 505.124 $\pm$ 359.991 χ^2 /NDF:43.2/28

All: 287.072 $\pm$ 258.262 χ^2 /NDF: 77.7/53

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 3836.628+/-3.498 χ^2/NDF : 18089.9/1

Left Out: 1541.149+/-0.256 χ^2/NDF : 382077.8/24

Right Out: 4267.850+/-2.323 χ^2/NDF : 320406.9/3

Left In: 1551.481+/-0.263 χ^2/NDF : 339002.9/22

Left: 1546.180+/-0.183 χ^2/NDF : 721873.3/47

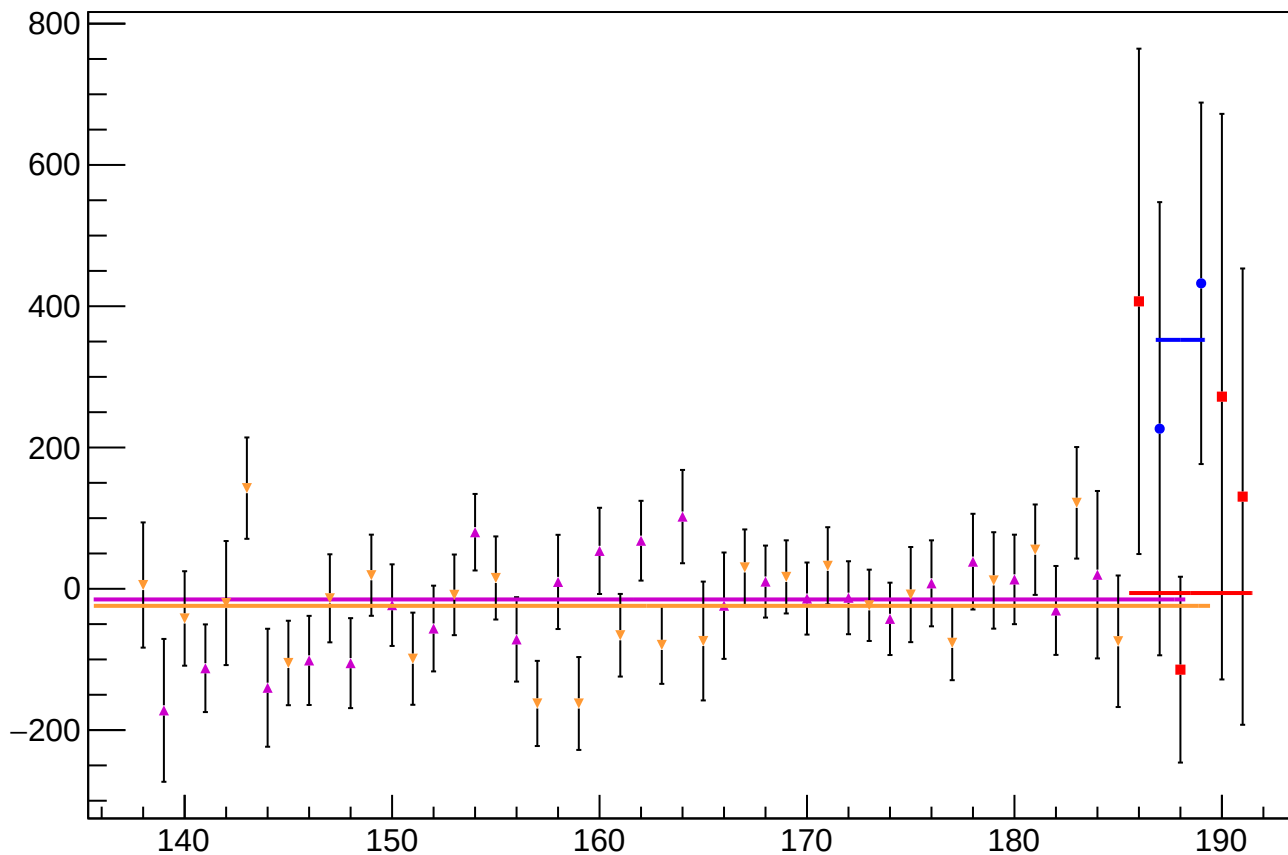
Right: 4135.871+/-1.935 χ^2/NDF : 349042.4/5

In: 1564.314+/-0.262 χ^2/NDF : 781447.9/24

Out: 1573.887+/-0.255 χ^2/NDF : 2063594.4/28

All: 1569.241+/-0.183 χ^2/NDF : 2845728.7/53

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 352.392 ± 200.009 χ^2/NDF : 0.3/1

Left Out: -24.126 ± 12.525 χ^2/NDF : 30.7/24

Right Out: -5.991 ± 110.807 χ^2/NDF : 2.7/3

Left In: -15.058 ± 12.921 χ^2/NDF : 23.8/22

Left: -19.733 ± 8.993 χ^2/NDF : 54.8/47

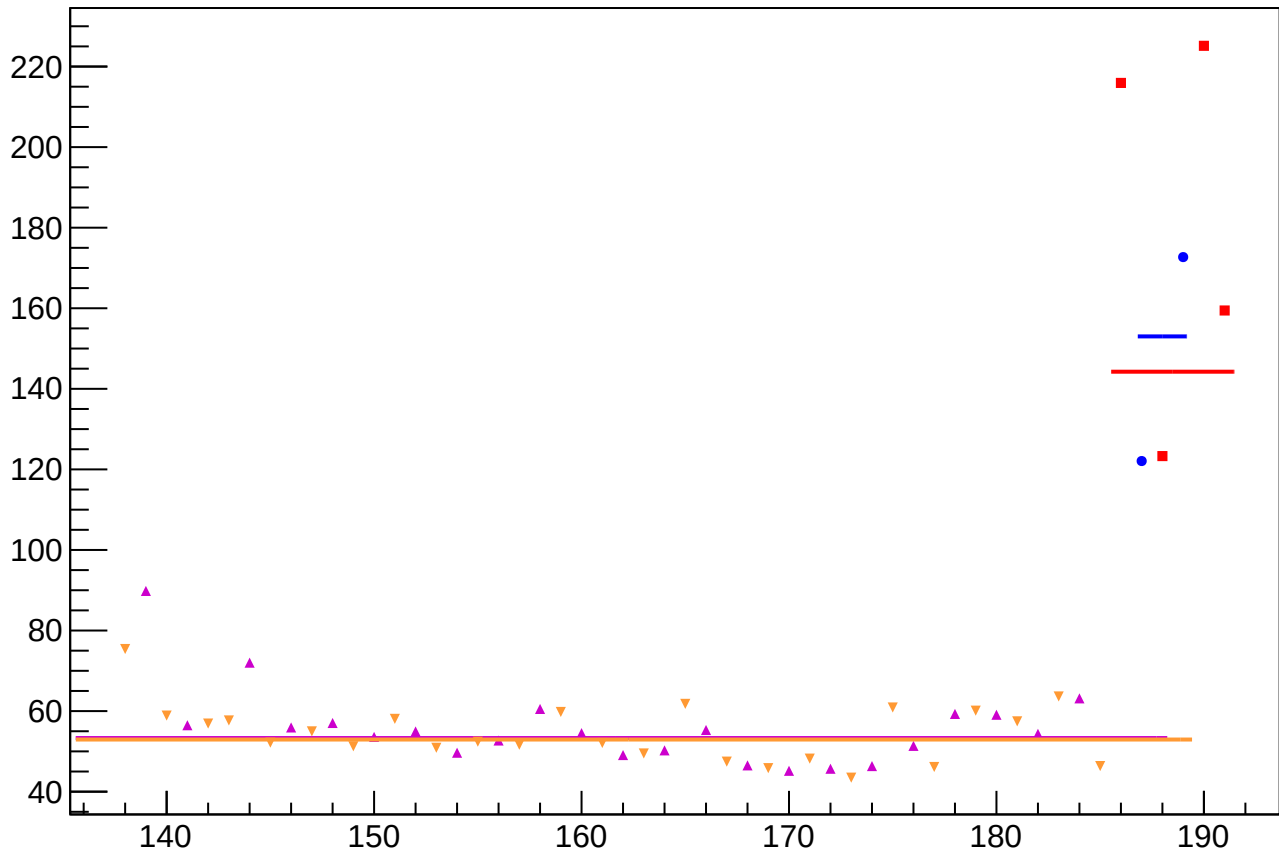
Right: 78.174 ± 96.926 χ^2/NDF : 5.4/5

In: -13.531 ± 12.894 χ^2/NDF : 27.5/24

Out: -23.897 ± 12.446 χ^2/NDF : 33.4/28

All: -18.898 ± 8.955 χ^2/NDF : 61.2/53

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 153.013 $\pm$ 0.141 χ^2 /NDF: 30451.8/1

Left Out: 52.942 $\pm$ 0.009 χ^2 /NDF:513146.0/24

Right Out: 144.250 $\pm$ 0.078 χ^2 /NDF: 217160.5/3

Left In: 53.312 $\pm$ 0.009 χ^2 /NDF:644220.1/22

Left: 53.121 $\pm$ 0.006 χ^2 /NDF: 1158211.4/47

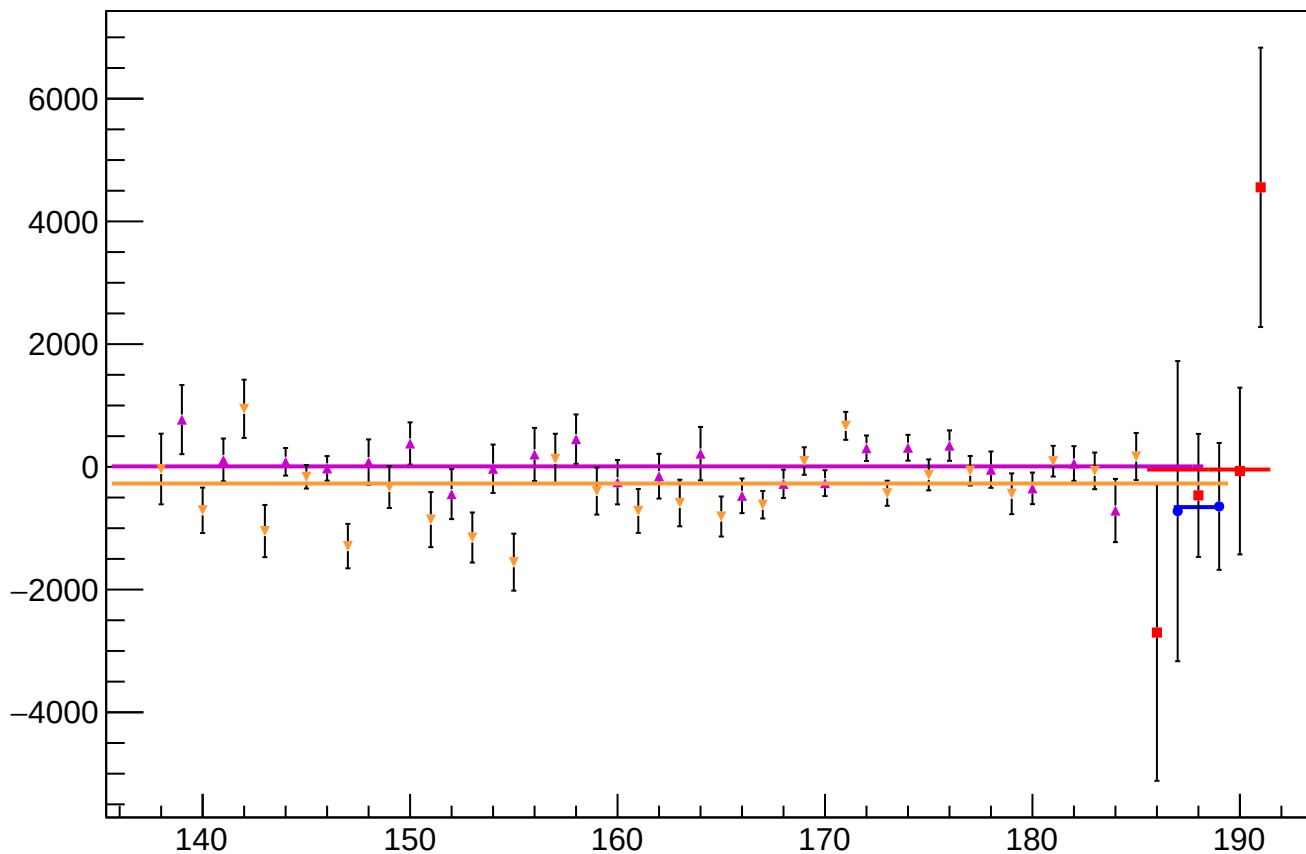
Right: 146.308 $\pm$ 0.069 χ^2 /NDF: 250549.7/5

In: 53.726 $\pm$ 0.009 χ^2 /NDF:1169578.4/24

Out: 54.094 $\pm$ 0.009 χ^2 /NDF:2071222.1/28

All: 53.917 $\pm$ 0.006 χ^2 /NDF: 3241641.7/53

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -655.891+/-952.310 χ^2/NDF : 0.0/1

Left Out: -271.240+/-60.285 χ^2/NDF : 67.7/24

Right Out: -43.703+/-725.343 χ^2/NDF : 5.5/3

Left In: 7.535+/-60.328 χ^2/NDF : 22.9/22

Left: -131.952+/-42.643 χ^2/NDF : 101.2/47

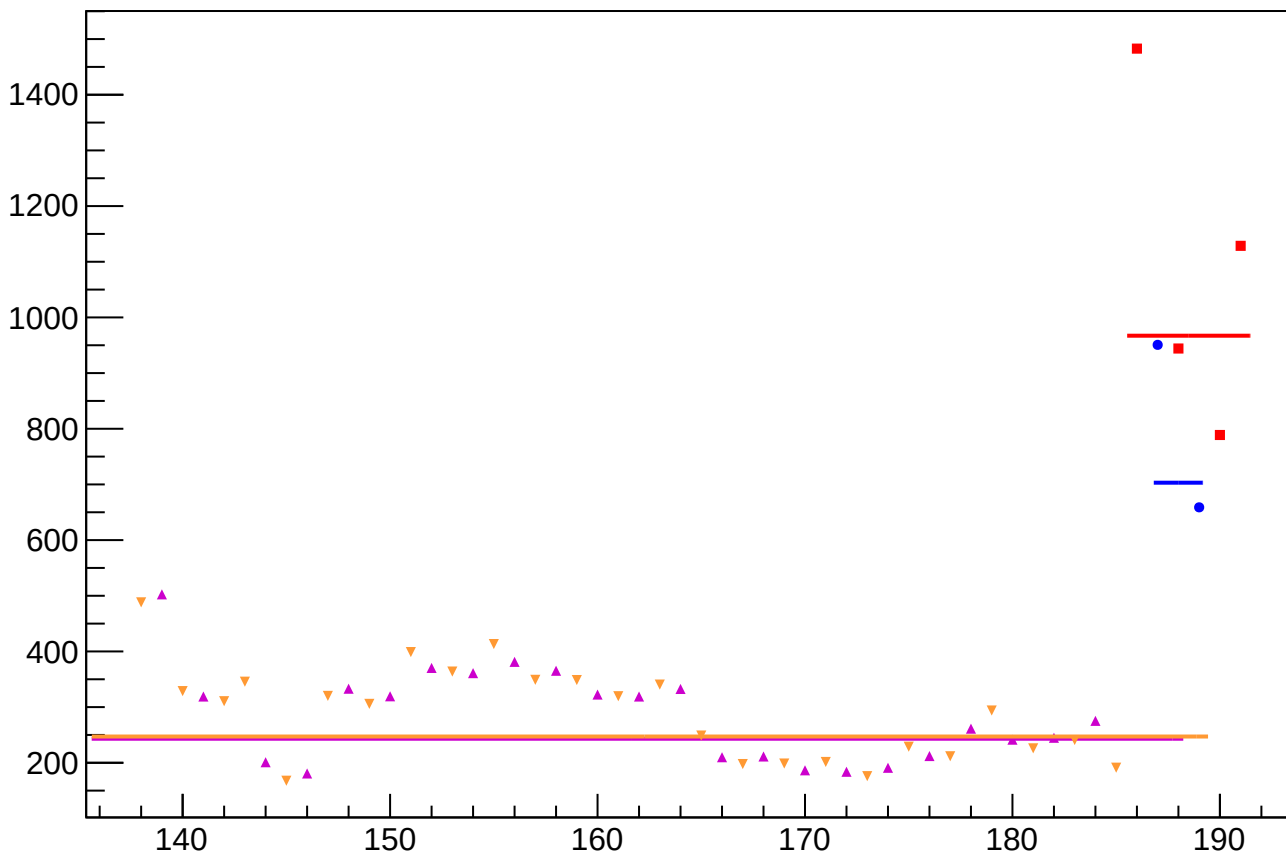
Right: -268.464+/-577.027 χ^2/NDF : 5.7/5

In: 4.883+/-60.207 χ^2/NDF : 23.3/24

Out: -269.679+/-60.078 χ^2/NDF : 73.2/28

All: -132.694+/-42.527 χ^2/NDF : 107.0/53

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 703.108+/-0.673 χ^2/NDF : 24167.6/1

Left Out: 247.166+/-0.043 χ^2/NDF : 2853302.0/24

Right Out: 967.158+/-0.513 χ^2/NDF : 136713.4/3

Left In: 243.189+/-0.043 χ^2/NDF : 2571190.8/22

Left: 245.179+/-0.030 χ^2/NDF : 5428841.5/47

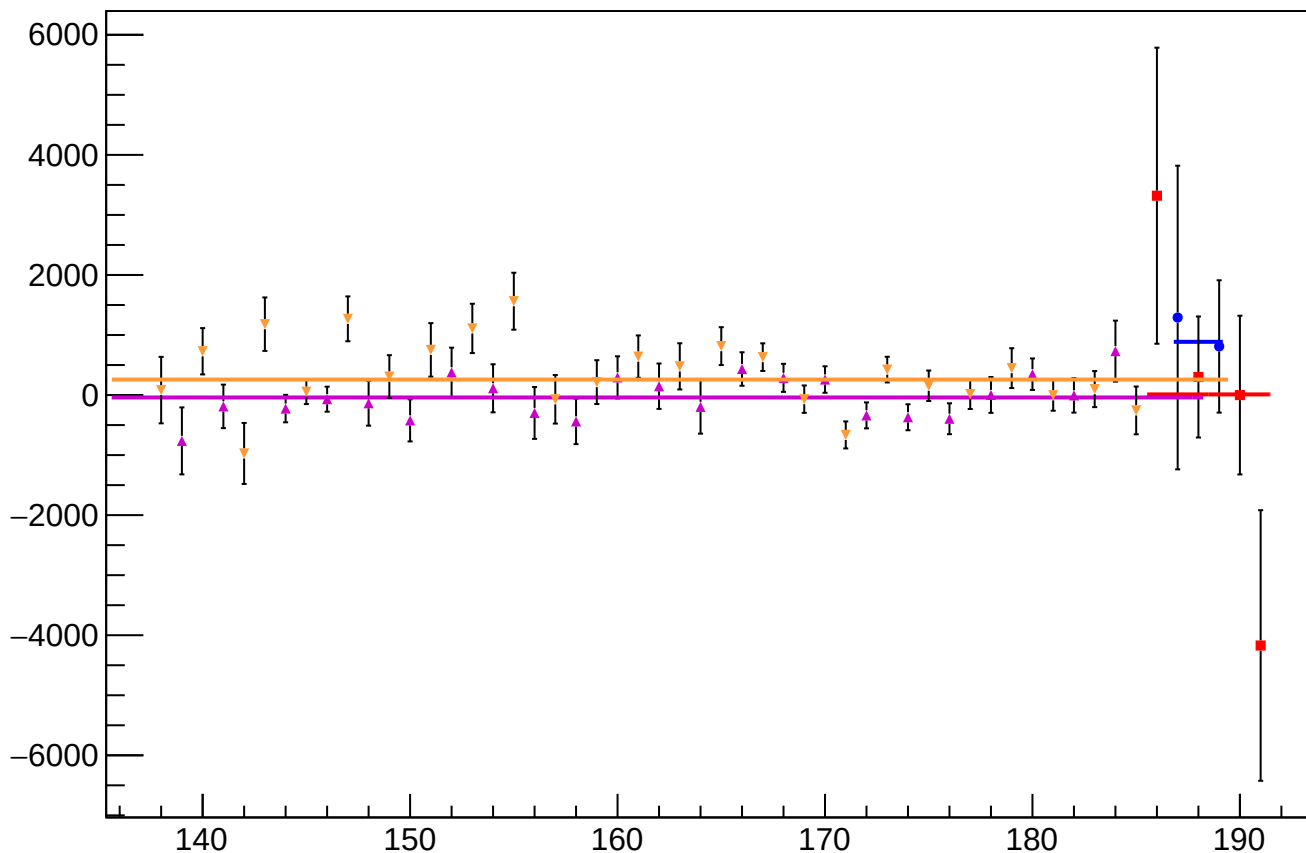
Right: 870.214+/-0.408 χ^2/NDF : 258189.3/5

In: 245.027+/-0.043 χ^2/NDF : 3059978.2/24

Out: 252.105+/-0.042 χ^2/NDF : 4947098.9/28

All: 248.574+/-0.030 χ^2/NDF : 8020927.1/53

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 886.689 ± 1010.251 $\chi^2/\text{NDF}: 0.0/1$

Left Out: 258.044 ± 61.488 $\chi^2/\text{NDF}: 65.0/24$

Right Out: 10.786 ± 721.905 $\chi^2/\text{NDF}: 5.3/3$

Left In: -40.015 ± 61.495 $\chi^2/\text{NDF}: 25.0/22$

Left: 109.033 ± 43.481 $\chi^2/\text{NDF}: 101.8/47$

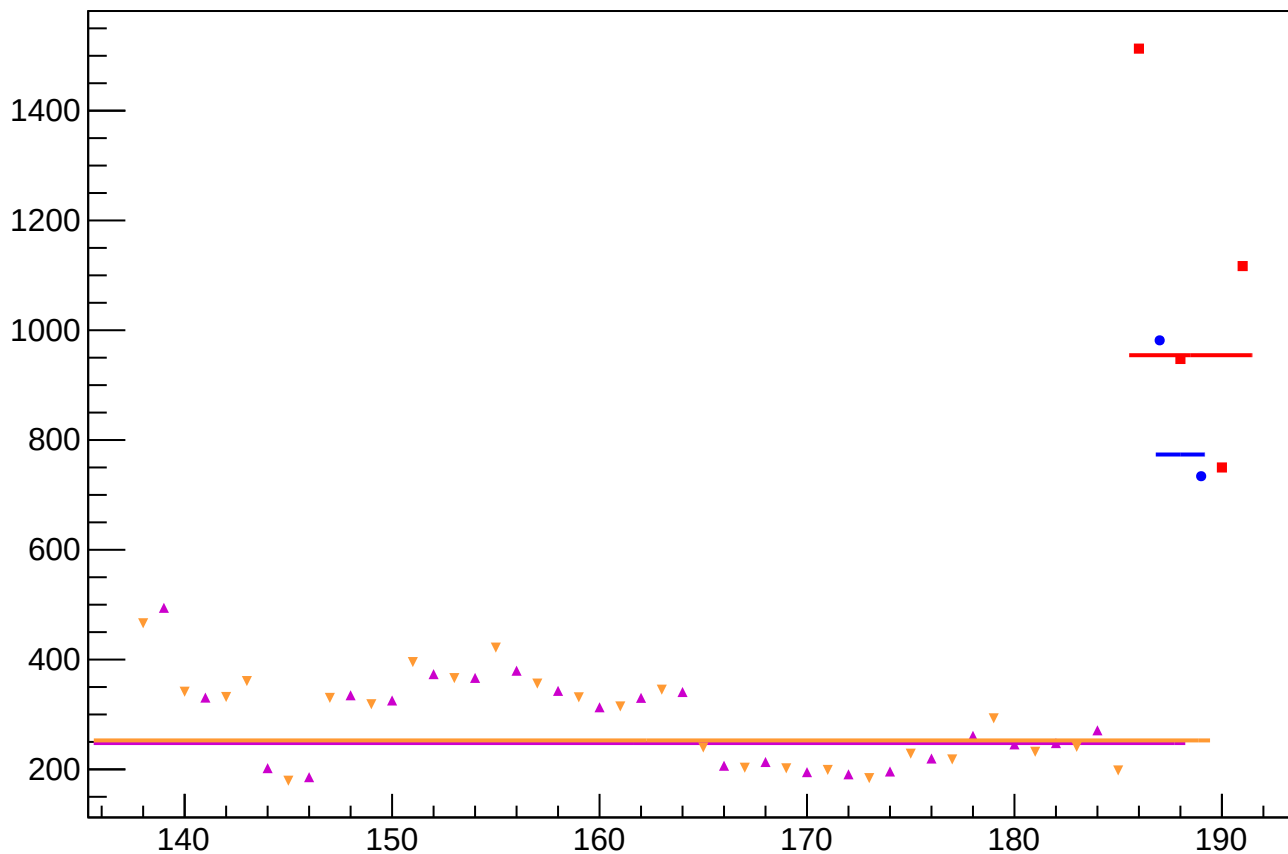
Right: 306.861 ± 587.357 $\chi^2/\text{NDF}: 5.9/5$

In: -36.594 ± 61.382 $\chi^2/\text{NDF}: 25.9/24$

Out: 256.263 ± 61.266 $\chi^2/\text{NDF}: 70.4/28$

All: 110.111 ± 43.362 $\chi^2/\text{NDF}: 107.7/53$

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 773.595 $\pm$ 0.714 χ^2 /NDF: 16103.5/1

Left Out: 252.721 $\pm$ 0.043 χ^2 /NDF:2648800.3/24

Right Out: 954.510 $\pm$ 0.510 χ^2 /NDF: 161019.4/3

Left In: 247.919 $\pm$ 0.043 χ^2 /NDF:2374698.8/22

Left: 250.320 $\pm$ 0.031 χ^2 /NDF: 5029597.8/47

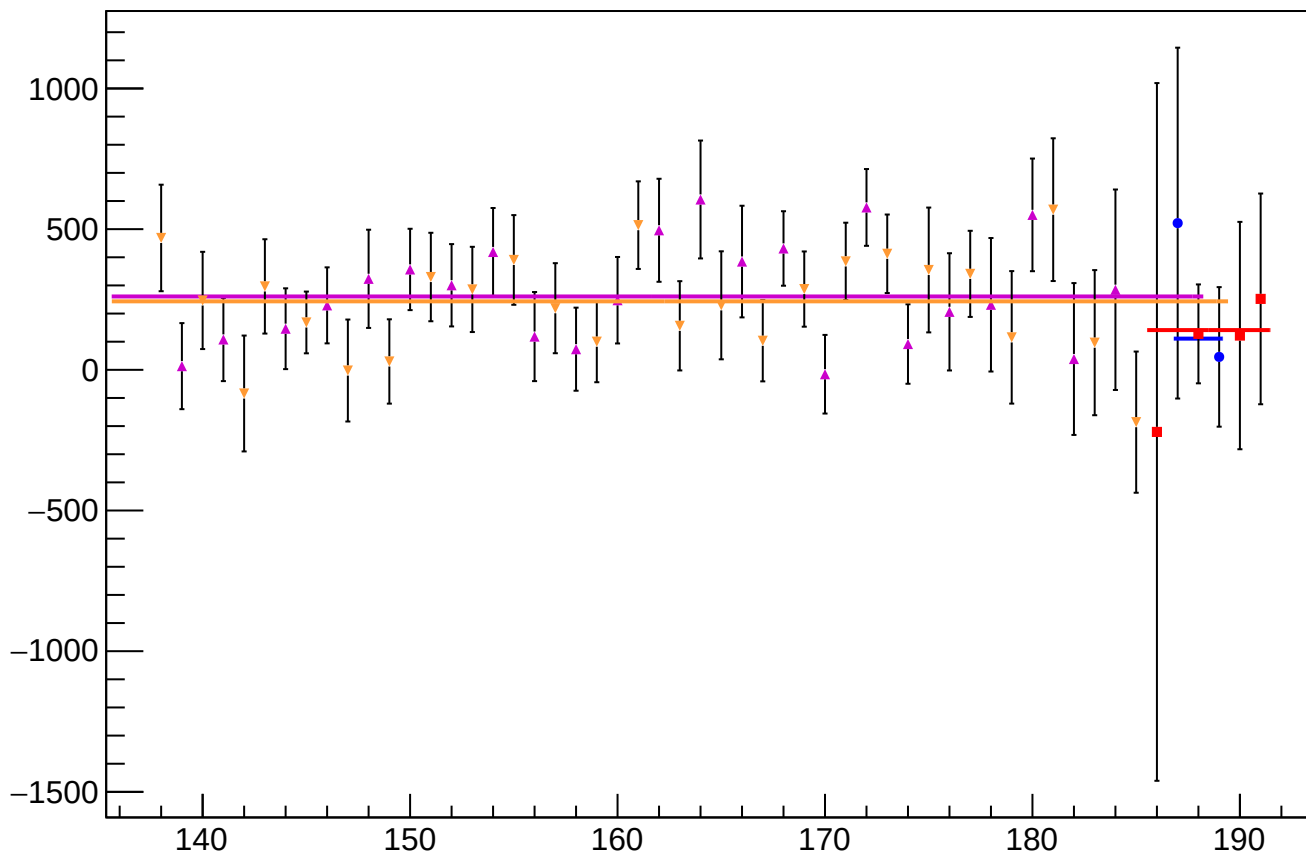
Right: 893.356 $\pm$ 0.415 χ^2 /NDF: 219581.2/5

In: 249.859 $\pm$ 0.043 χ^2 /NDF:2930315.8/24

Out: 257.775 $\pm$ 0.043 χ^2 /NDF:4686296.1/28

All: 253.825 $\pm$ 0.031 χ^2 /NDF: 7633275.3/53

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 110.914 $\pm$ 230.447 χ^2 /NDF: 0.5/1

Left Out: 243.442 $\pm$ 32.738 χ^2 /NDF:23.4/24

Right Out: 141.253 $\pm$ 147.013 χ^2 /NDF: 0.2/3

Left In: 260.749 $\pm$ 33.988 χ^2 /NDF:28.5/22

Left: 251.772 $\pm$ 23.579 χ^2 /NDF: 52.0/47

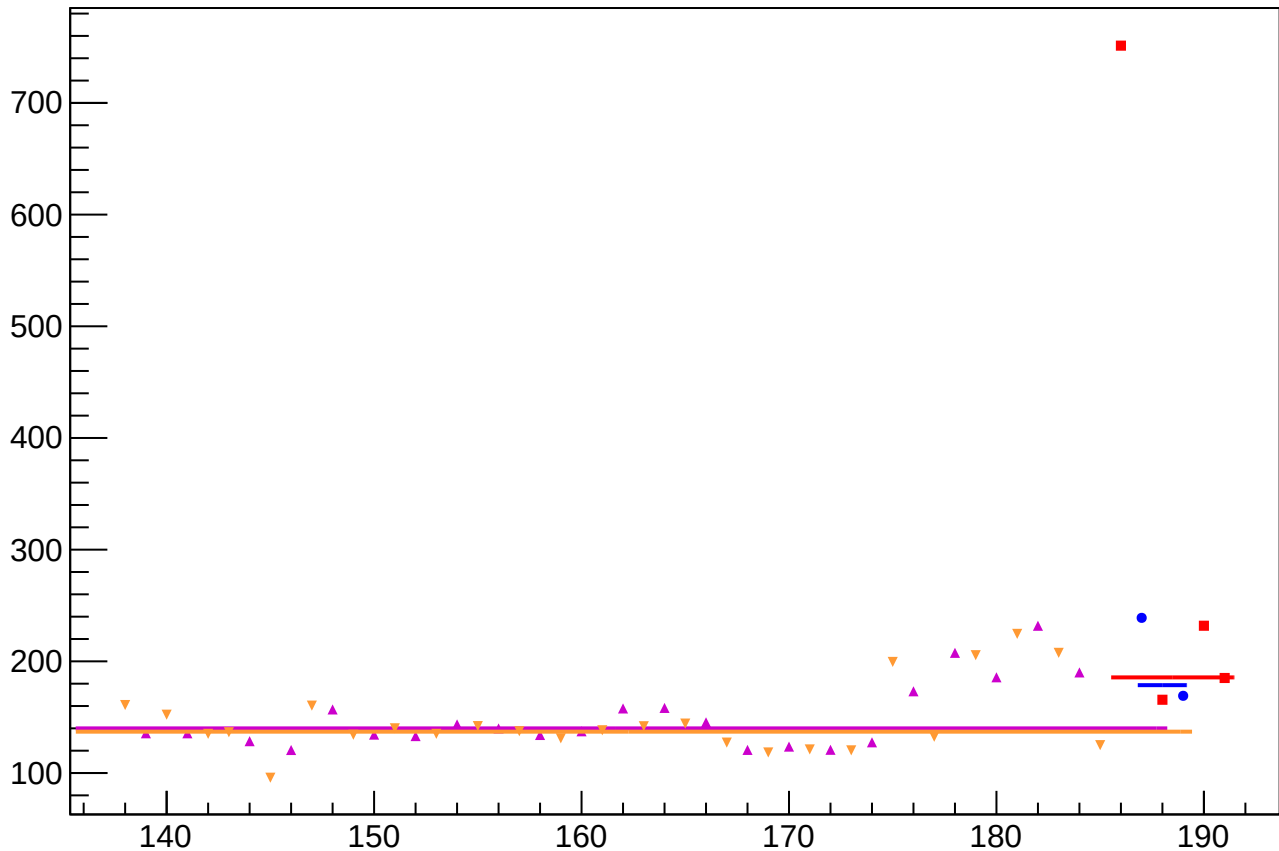
Right: 132.477 $\pm$ 123.940 χ^2 /NDF: 0.7/5

In: 257.560 $\pm$ 33.624 χ^2 /NDF:29.4/24

Out: 238.614 $\pm$ 31.956 χ^2 /NDF:24.0/28

All: 247.605 $\pm$ 23.163 χ^2 /NDF: 53.6/53

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 178.676 $\pm$ 0.163 χ^2 /NDF: 21638.0/1

Left Out: 137.036 $\pm$ 0.023 χ^2 /NDF:1200381.2/24

Right Out: 185.620 $\pm$ 0.104 χ^2 /NDF: 468364.7/3

Left In: 139.966 $\pm$ 0.024 χ^2 /NDF:838127.9/22

Left: 138.446 $\pm$ 0.017 χ^2 /NDF: 2046220.3/47

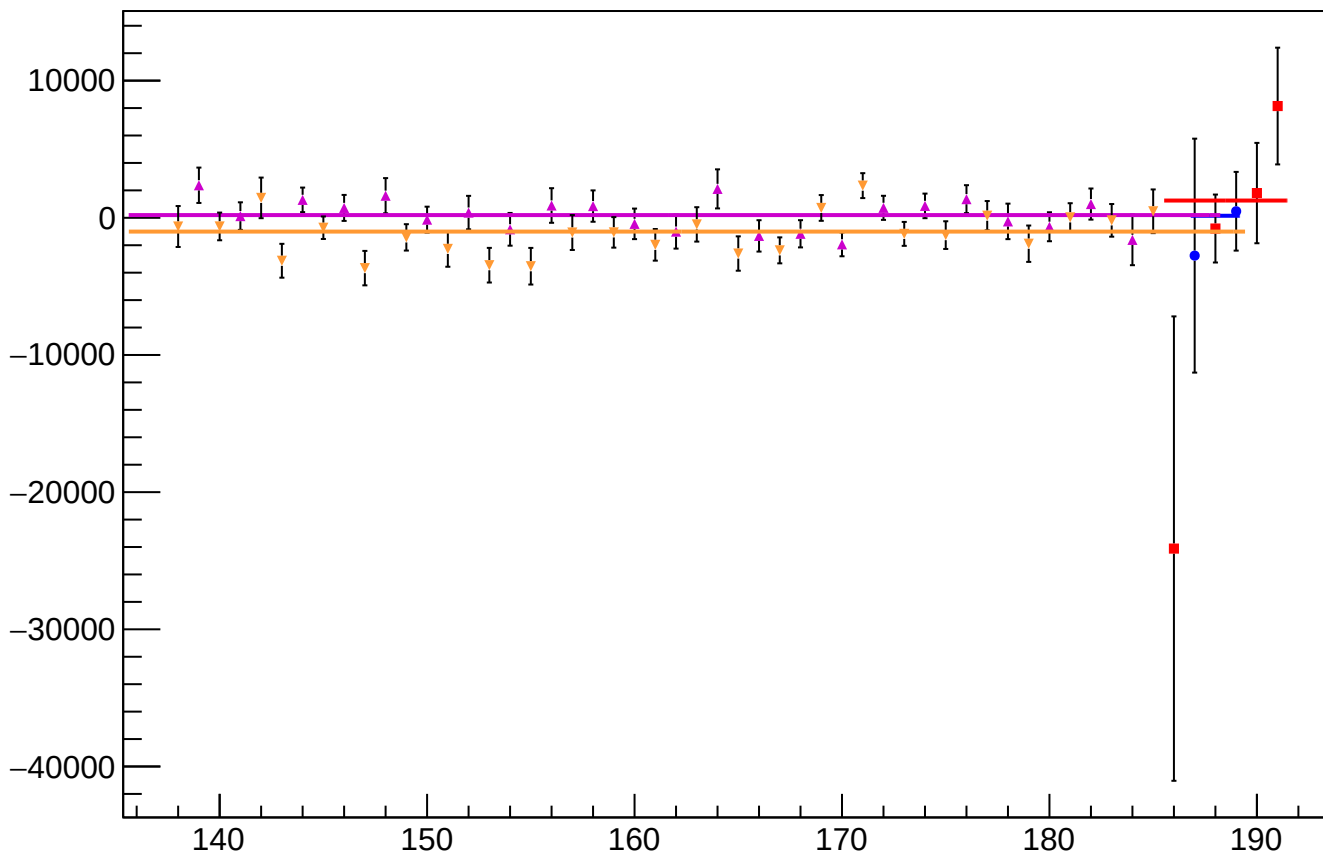
Right: 183.612 $\pm$ 0.088 χ^2 /NDF: 491293.6/5

In: 140.790 $\pm$ 0.024 χ^2 /NDF:914997.4/24

Out: 139.331 $\pm$ 0.023 χ^2 /NDF:1876858.3/28

All: 140.023 $\pm$ 0.016 χ^2 /NDF: 2793833.8/53

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 148.616 $\pm$ 2719.680 χ^2 /NDF: 0.1/1

Left Out: -1004.364 $\pm$ 222.387 χ^2 /NDF:44.7/24

Right Out: 1258.506 $\pm$ 1836.659 χ^2 /NDF: 5.6/3

Left In: 198.654 $\pm$ 225.997 χ^2 /NDF:24.6/22

Left: -412.541 $\pm$ 158.512 χ^2 /NDF: 83.7/47

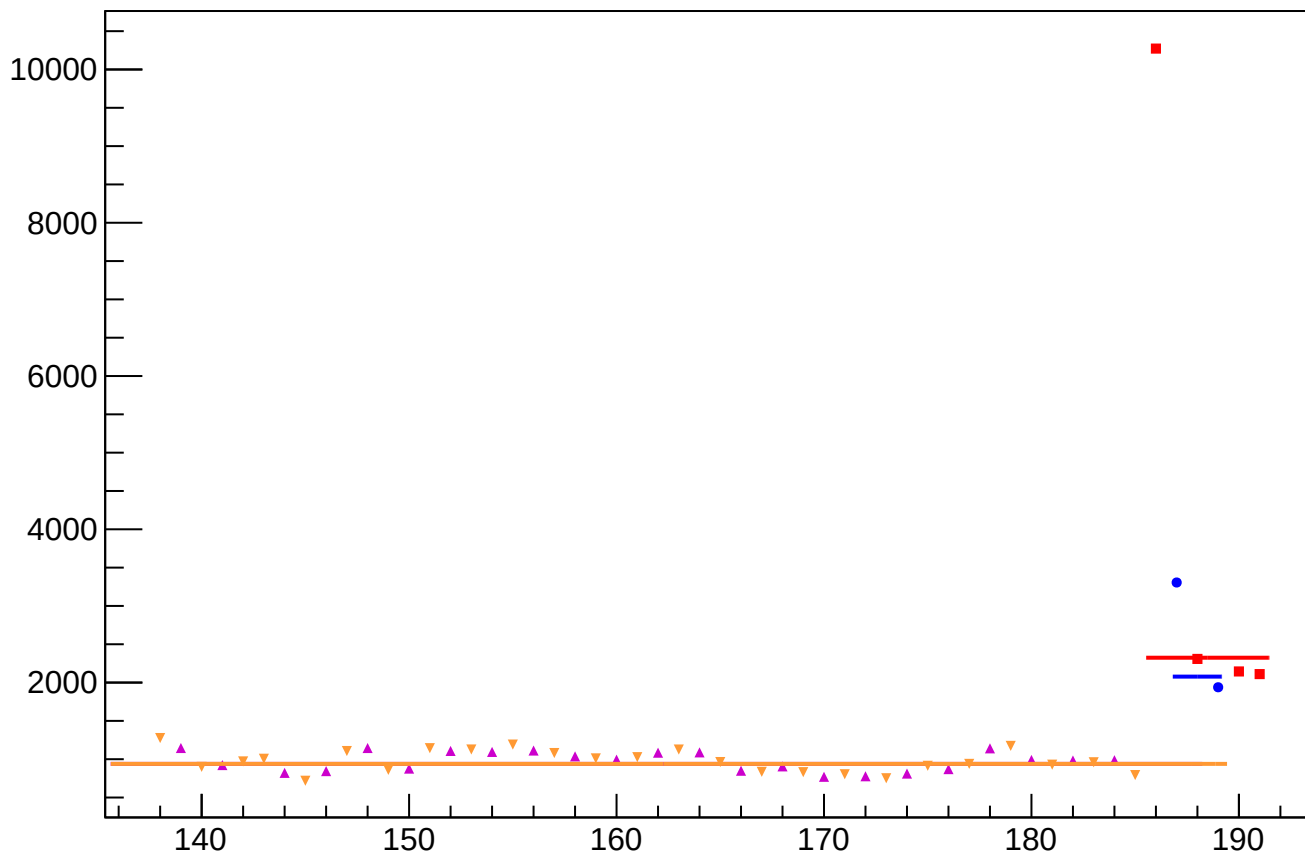
Right: 910.872 $\pm$ 1522.085 χ^2 /NDF: 5.8/5

In: 198.311 $\pm$ 225.221 χ^2 /NDF:24.8/24

Out: -971.668 $\pm$ 220.775 χ^2 /NDF:51.7/28

All: -398.342 $\pm$ 157.660 χ^2 /NDF: 90.3/53

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 2077.746 $\pm$ 1.923 χ^2 /NDF: 46176.8/1

Left Out: 938.988 $\pm$ 0.157 χ^2 /NDF:828400.0/24

Right Out: 2324.254 $\pm$ 1.299 χ^2 /NDF: 450868.2/3

Left In: 938.755 $\pm$ 0.160 χ^2 /NDF:611419.0/22

Left: 938.874 $\pm$ 0.112 χ^2 /NDF: 1439820.2/47

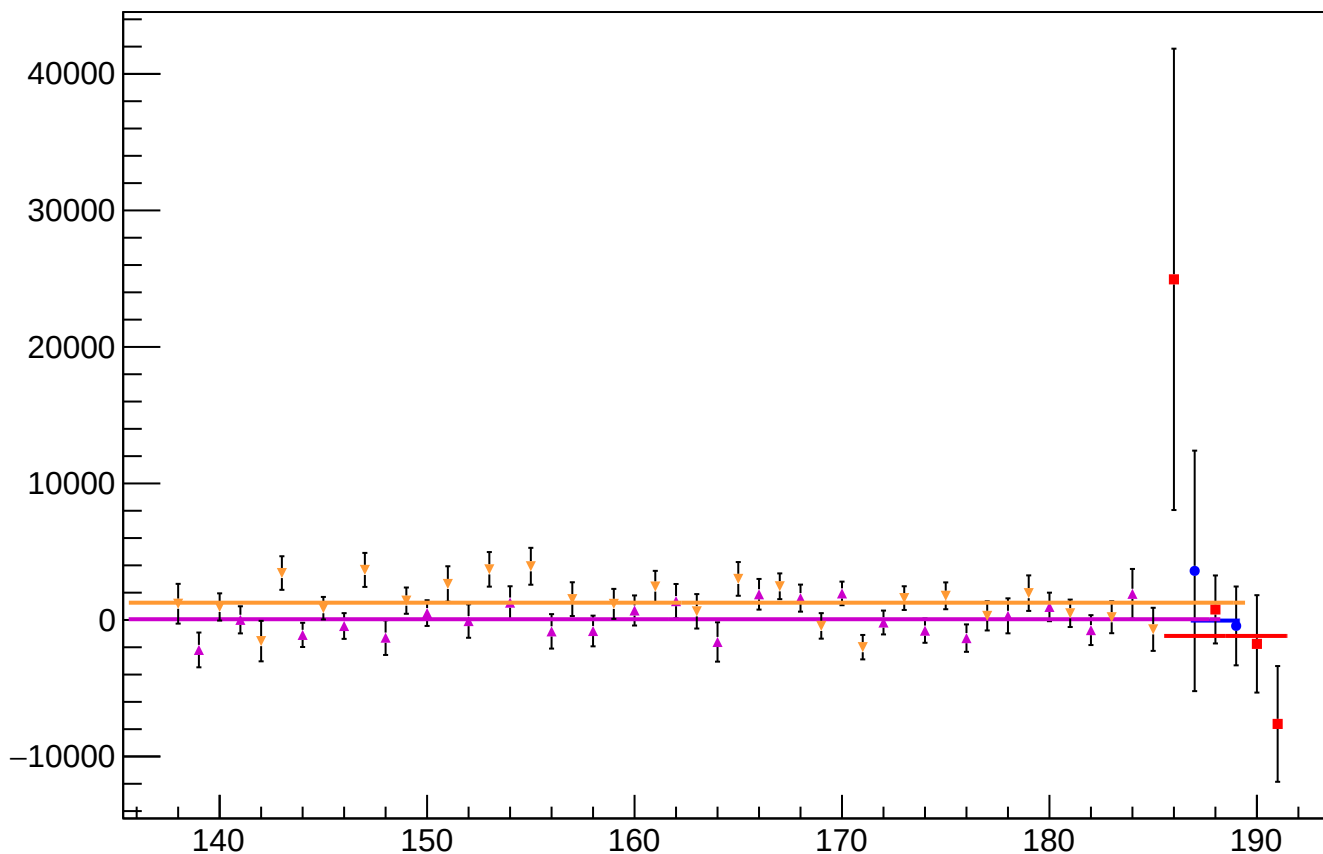
Right: 2247.044 $\pm$ 1.076 χ^2 /NDF: 508329.4/5

In: 946.566 $\pm$ 0.159 χ^2 /NDF:1005970.1/24

Out: 959.004 $\pm$ 0.156 χ^2 /NDF:2400558.1/28

All: 952.909 $\pm$ 0.111 χ^2 /NDF: 3409639.1/53

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: -45.183 ± 2743.608 $\chi^2/\text{NDF}: 0.2/1$

Left Out: 1264.940 ± 220.626 $\chi^2/\text{NDF}: 45.5/24$

Right Out: -1169.911 ± 1828.848 $\chi^2/\text{NDF}: 5.3/3$

Left In: 53.940 ± 224.371 $\chi^2/\text{NDF}: 26.4/22$

Left: 669.631 ± 157.313 $\chi^2/\text{NDF}: 86.8/47$

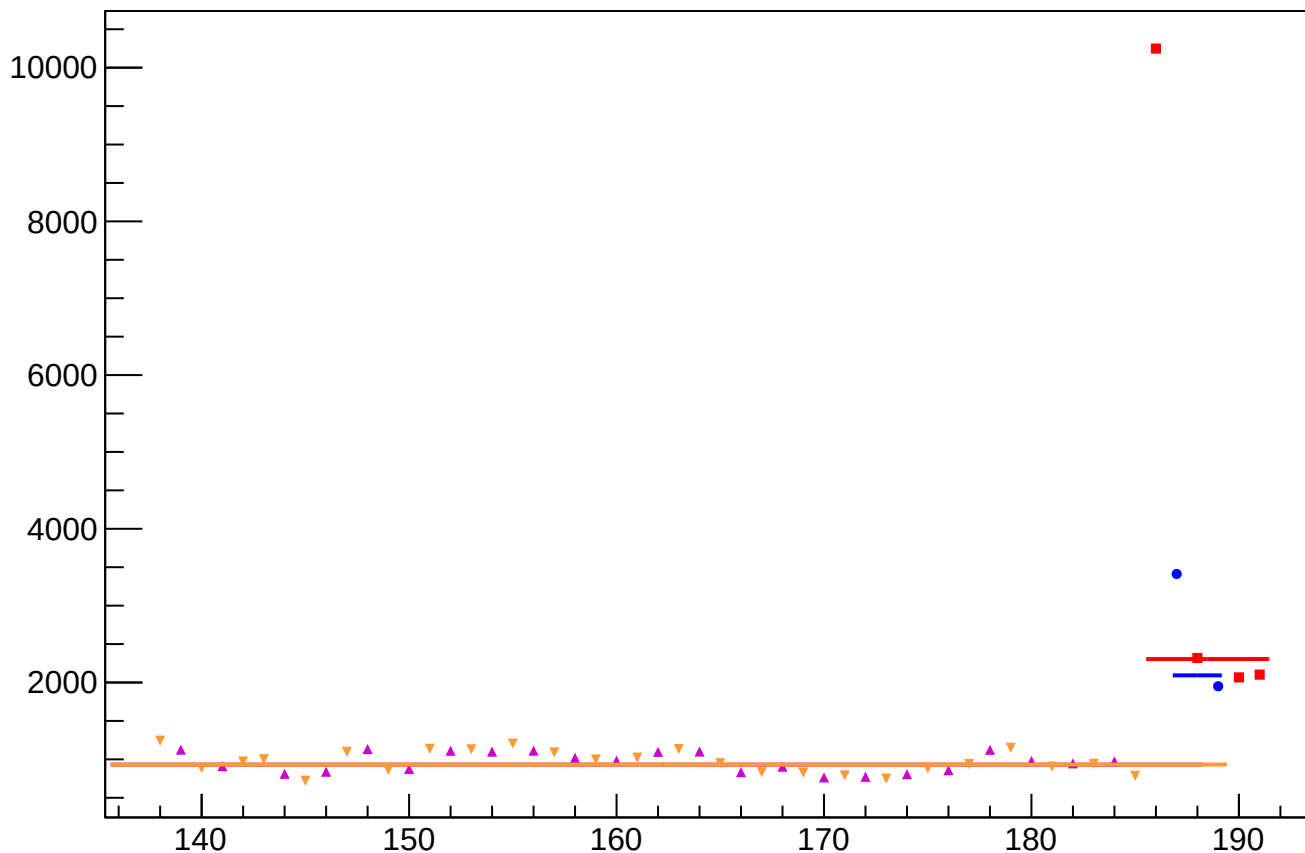
Right: -823.899 ± 1521.751 $\chi^2/\text{NDF}: 5.6/5$

In: 53.281 ± 223.624 $\chi^2/\text{NDF}: 26.6/24$

Out: 1230.013 ± 219.038 $\chi^2/\text{NDF}: 52.6/28$

All: 653.838 ± 156.479 $\chi^2/\text{NDF}: 93.4/53$

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 2092.722+/-1.940 χ^2/NDF : 49700.8/1

Left Out: 932.170+/-0.156 χ^2/NDF : 828733.8/24

Right Out: 2305.127+/-1.293 χ^2/NDF : 455527.0/3

Left In: 930.854+/-0.159 χ^2/NDF : 621985.5/22

Left: 931.523+/-0.111 χ^2/NDF : 1450754.2/47

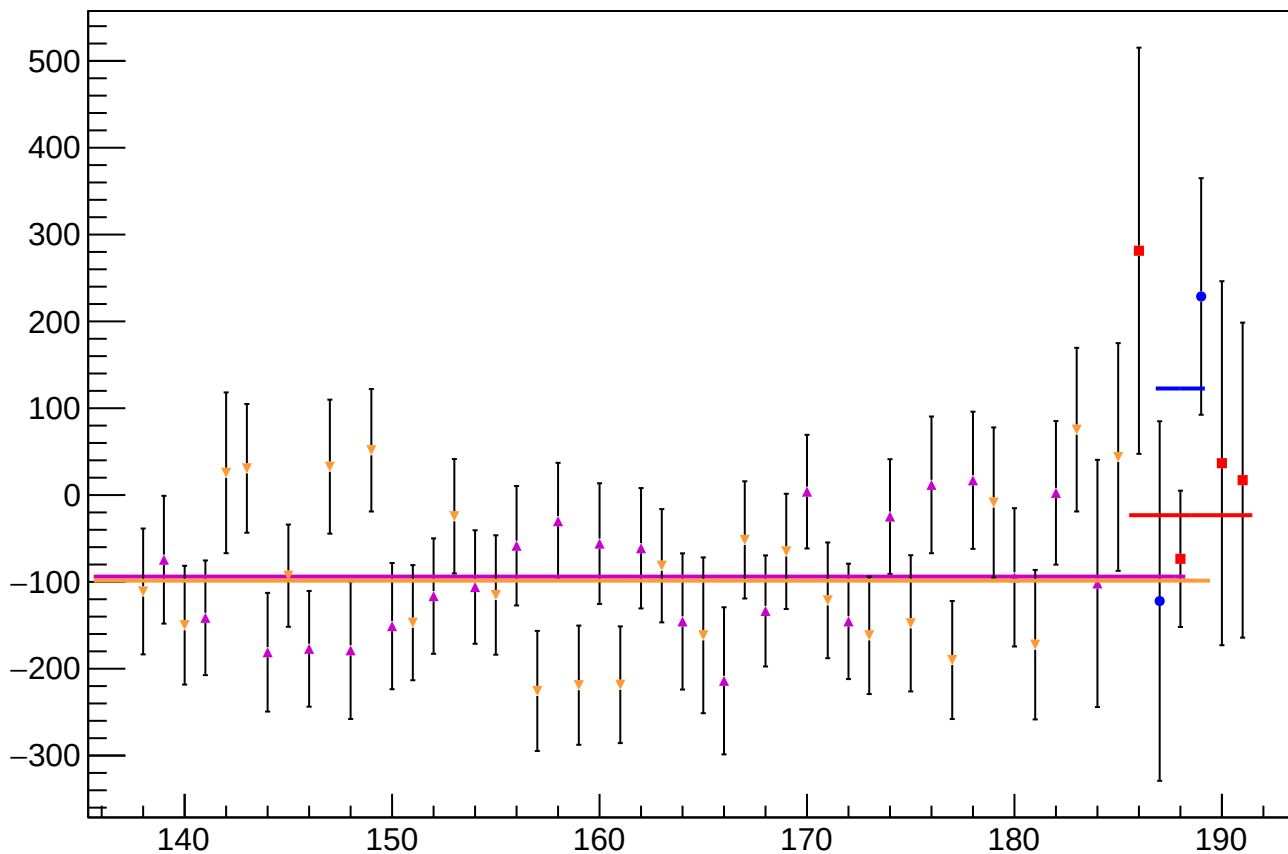
Right: 2239.783+/-1.076 χ^2/NDF : 513527.2/5

In: 938.573+/-0.158 χ^2/NDF : 1027977.1/24

Out: 951.864+/-0.155 χ^2/NDF : 2395259.5/28

All: 945.356+/-0.111 χ^2/NDF : 3426842.6/53

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 122.727 $\pm$ 113.805 χ^2 /NDF: 2.0/1

Left Out: -98.557 $\pm$ 14.525 χ^2 /NDF:35.2/24

Right Out: -23.191 $\pm$ 65.409 χ^2 /NDF: 2.2/3

Left In: -93.899 $\pm$ 15.039 χ^2 /NDF:19.3/22

Left: -96.309 $\pm$ 10.448 χ^2 /NDF: 54.6/47

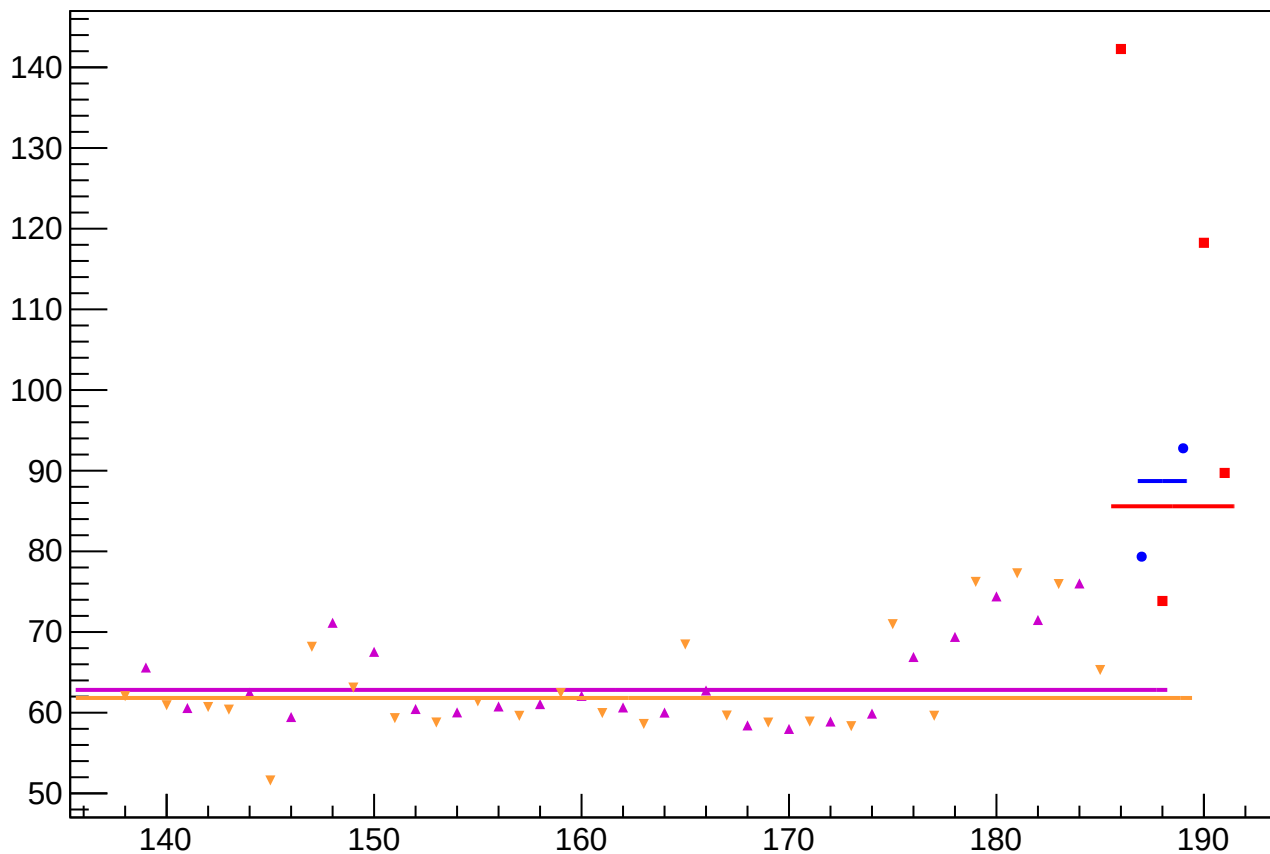
Right: 13.042 $\pm$ 56.710 χ^2 /NDF: 5.5/5

In: -90.181 $\pm$ 14.909 χ^2 /NDF:24.8/24

Out: -95.015 $\pm$ 14.180 χ^2 /NDF:38.7/28

All: -92.720 $\pm$ 10.275 χ^2 /NDF: 63.6/53

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 88.717 $\pm$ 0.080 χ^2 /NDF: 5876.3/1

Left Out: 61.827 $\pm$ 0.010 χ^2 /NDF: 313572.8/24

Right Out: 85.588 $\pm$ 0.046 χ^2 /NDF: 211812.1/3

Left In: 62.827 $\pm$ 0.011 χ^2 /NDF: 187007.2/22

Left: 62.310 $\pm$ 0.007 χ^2 /NDF: 505157.6/47

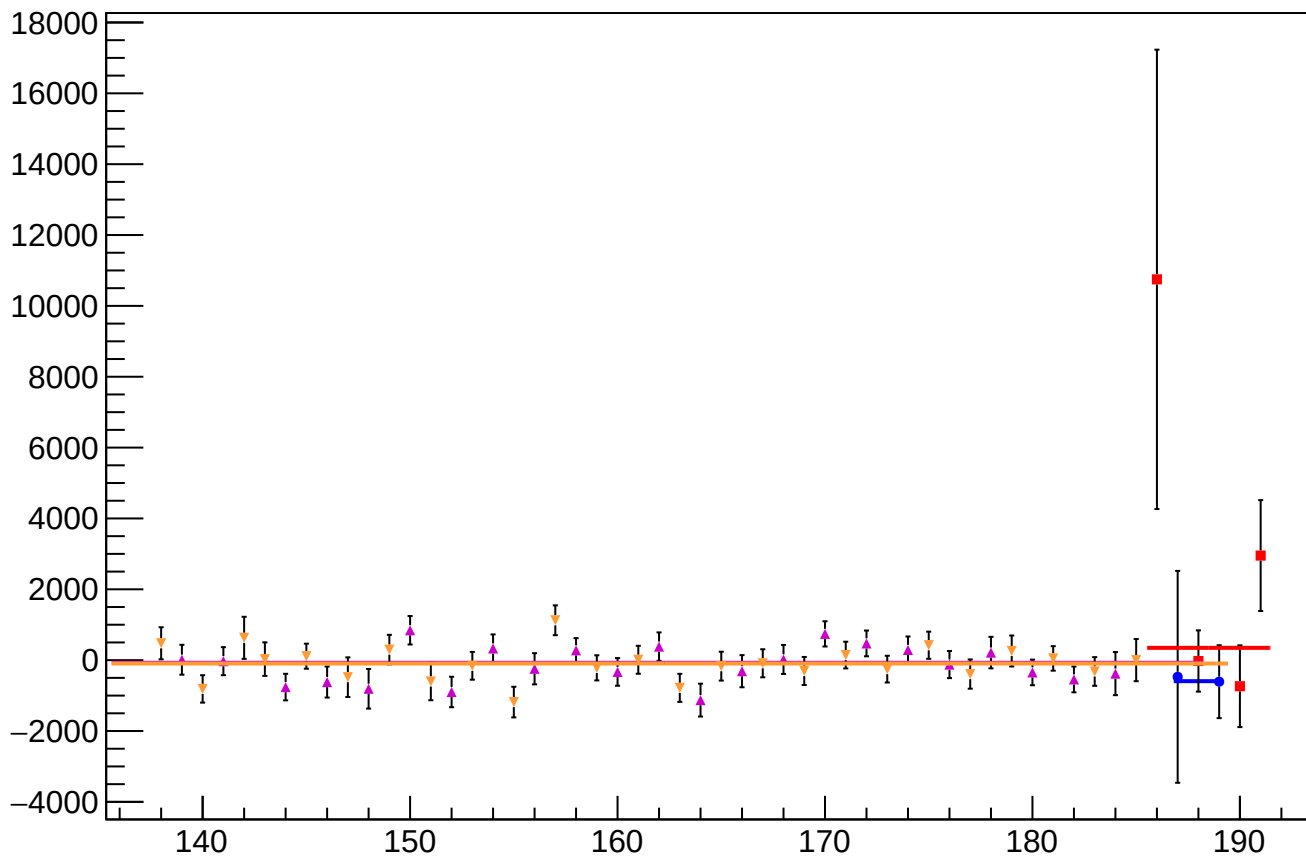
Right: 86.365 $\pm$ 0.040 χ^2 /NDF: 218825.2/5

In: 63.271 $\pm$ 0.011 χ^2 /NDF: 294613.8/24

Out: 62.944 $\pm$ 0.010 χ^2 /NDF: 776901.1/28

All: 63.099 $\pm$ 0.007 χ^2 /NDF: 1072023.1/53

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -593.026 $\pm$ 973.052 χ^2/NDF : 0.0/1

Left Out: -94.907 $\pm$ 82.850 χ^2/NDF :31.6/24

Right Out: 347.661 $\pm$ 629.930 χ^2/NDF : 6.4/3

Left In: -73.914 $\pm$ 84.652 χ^2/NDF :36.4/22

Left: -84.636 $\pm$ 59.211 χ^2/NDF : 68.0/47

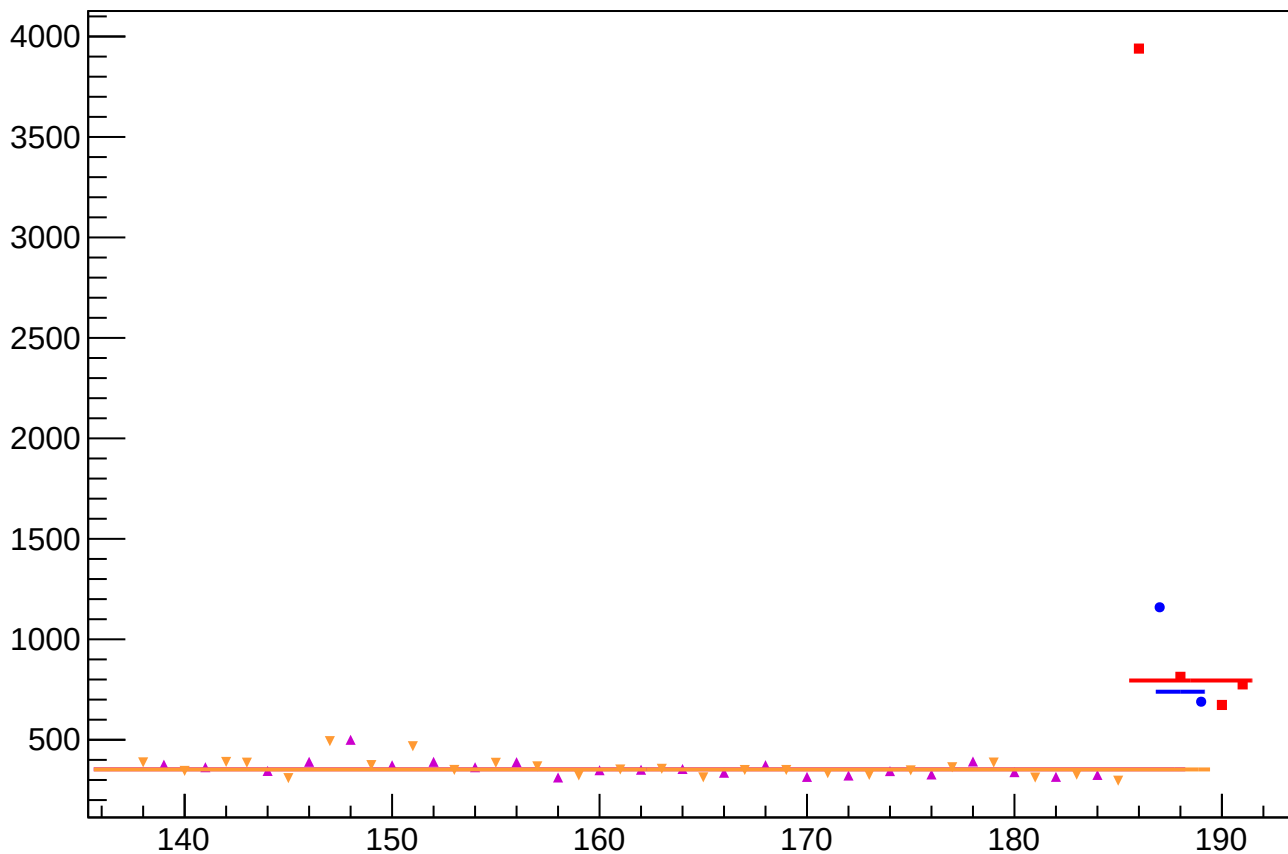
Right: 69.852 $\pm$ 528.794 χ^2/NDF : 7.1/5

In: -77.814 $\pm$ 84.334 χ^2/NDF :36.6/24

Out: -87.381 $\pm$ 82.142 χ^2/NDF :38.5/28

All: -82.723 $\pm$ 58.843 χ^2/NDF : 75.1/53

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 739.252 $\pm$ 0.688 χ^2 /NDF: 44151.4/1

Left Out: 352.403 $\pm$ 0.059 χ^2 /NDF: 418506.2/24

Right Out: 795.055 $\pm$ 0.445 χ^2 /NDF: 494023.5/3

Left In: 353.197 $\pm$ 0.060 χ^2 /NDF: 321761.0/22

Left: 352.791 $\pm$ 0.042 χ^2 /NDF: 740357.2/47

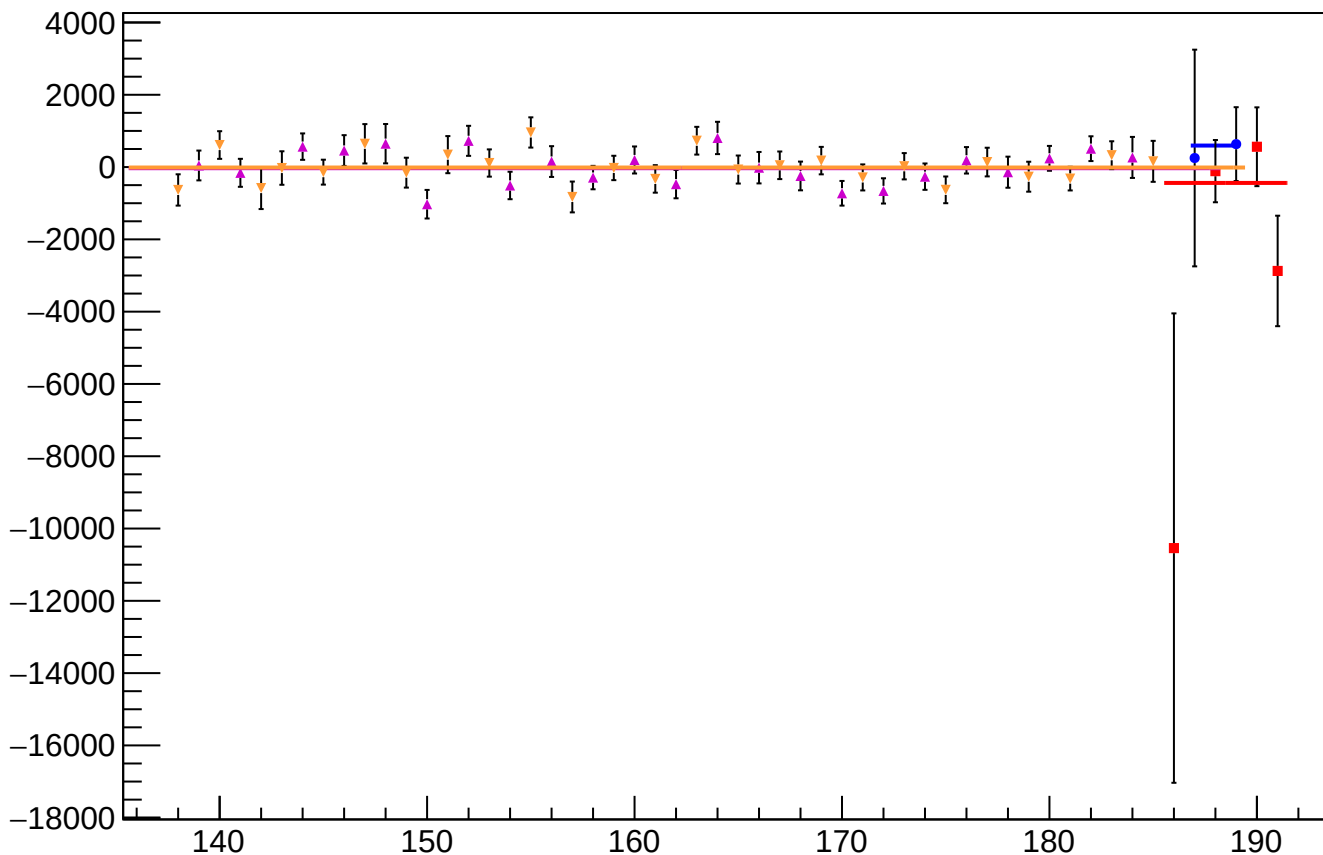
Right: 778.575 $\pm$ 0.374 χ^2 /NDF: 542810.0/5

In: 356.097 $\pm$ 0.060 χ^2 /NDF: 678363.5/24

Out: 359.929 $\pm$ 0.058 χ^2 /NDF: 1883314.8/28

All: 358.064 $\pm$ 0.042 χ^2 /NDF: 2563797.8/53

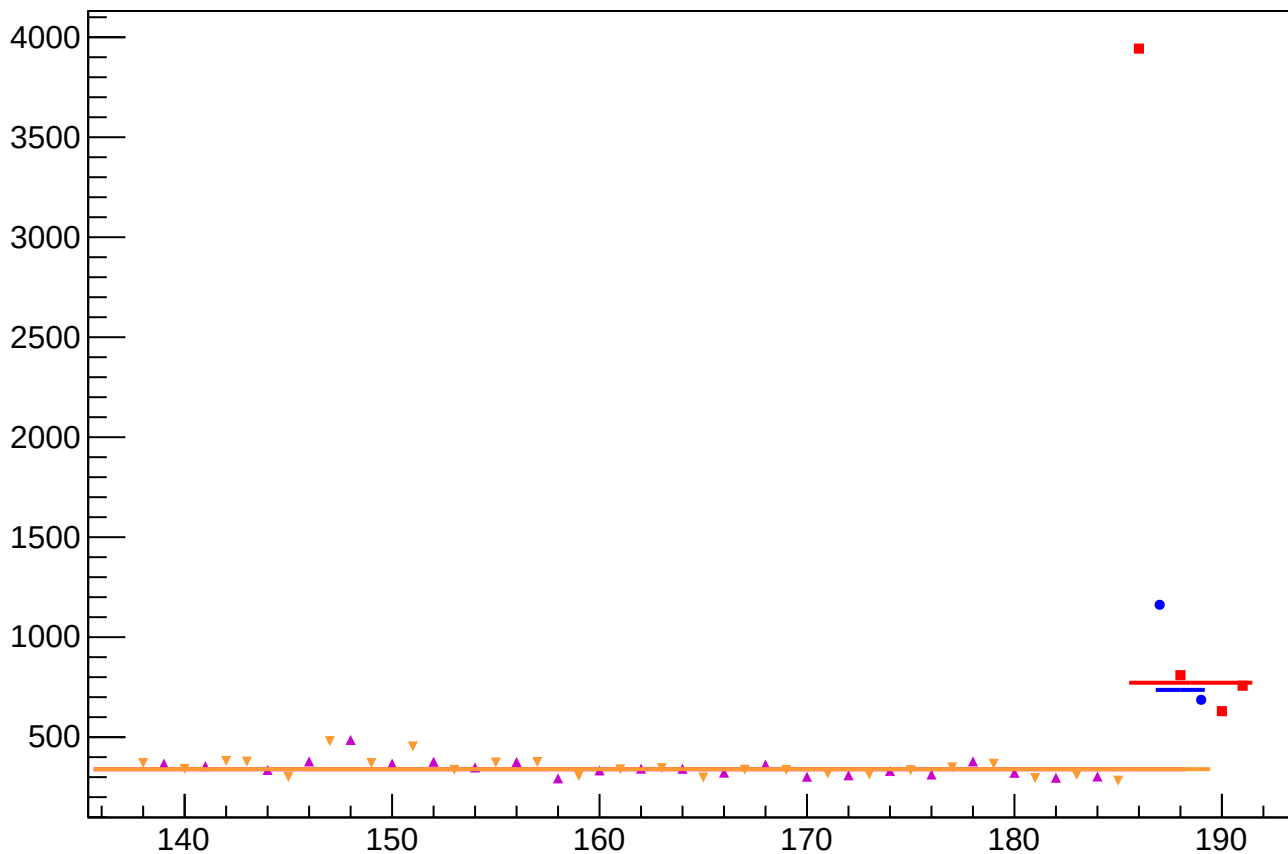
asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 595.036 $\pm$ 966.843 χ^2 /NDF: 0.0/1
Left Out: -12.545 $\pm$ 79.984 χ^2 /NDF:27.3/24
Right Out: -438.853 $\pm$ 615.237 χ^2 /NDF: 5.9/3
Left In: -31.531 $\pm$ 81.476 χ^2 /NDF:34.8/22

Left: -21.863 $\pm$ 57.077 χ^2 /NDF: 62.2/47
Right: -140.868 $\pm$ 519.058 χ^2 /NDF: 6.8/5
In: -27.113 $\pm$ 81.188 χ^2 /NDF:35.2/24
Out: -19.630 $\pm$ 79.317 χ^2 /NDF:33.8/28
All: -23.284 $\pm$ 56.735 χ^2 /NDF: 69.0/53

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 736.292 $\pm$ 0.684 χ^2 /NDF: 44998.8/1

Left Out: 340.018 $\pm$ 0.057 χ^2 /NDF: 465345.1/24

Right Out: 772.220 $\pm$ 0.435 χ^2 /NDF: 515119.4/3

Left In: 339.571 $\pm$ 0.058 χ^2 /NDF: 377816.0/22

Left: 339.799 $\pm$ 0.040 χ^2 /NDF: 843191.8/47

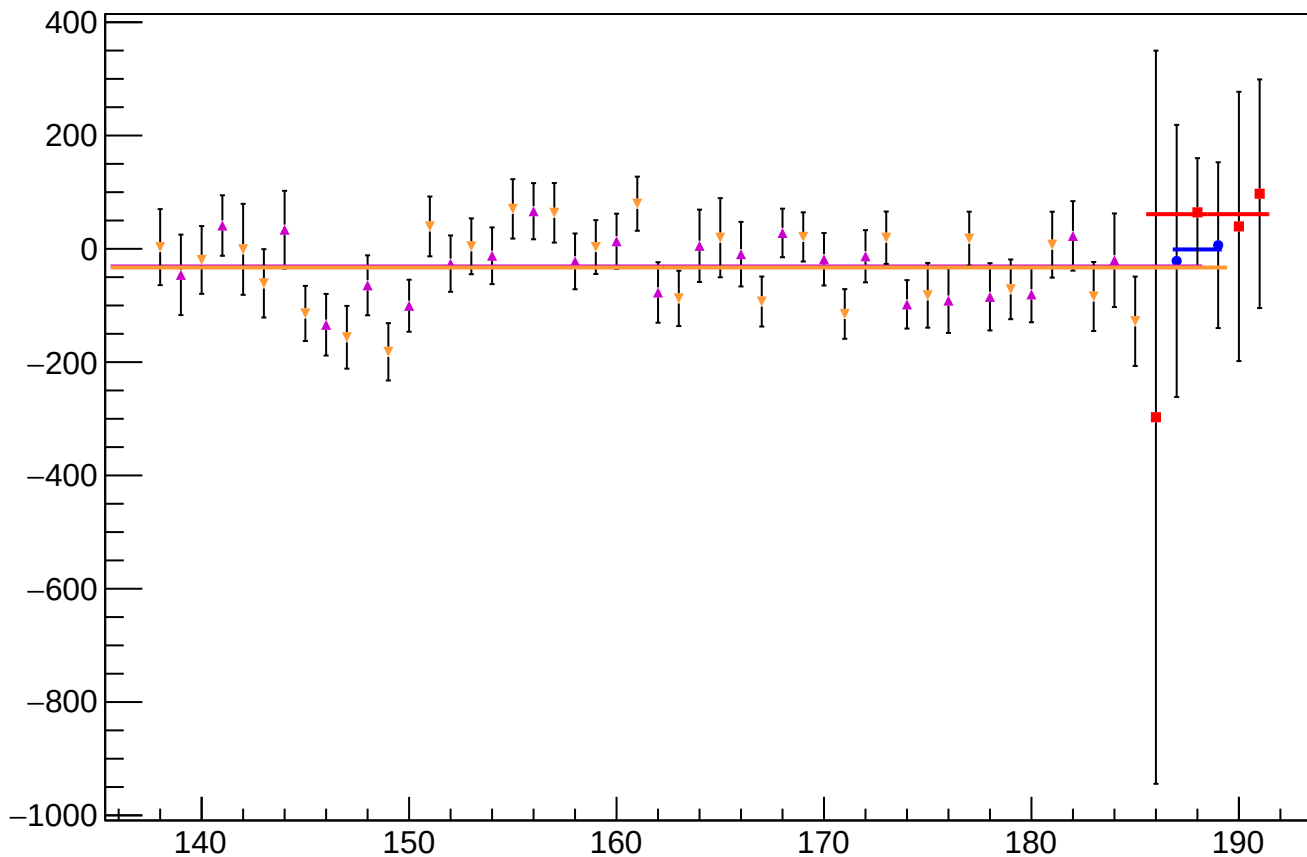
Right: 761.865 $\pm$ 0.367 χ^2 /NDF: 562083.9/5

In: 342.368 $\pm$ 0.057 χ^2 /NDF: 757176.2/24

Out: 347.202 $\pm$ 0.056 χ^2 /NDF: 1951061.8/28

All: 344.841 $\pm$ 0.040 χ^2 /NDF: 2711864.8/53

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -1.077 ± 124.953 $\chi^2/\text{NDF}: 0.0/1$

Left Out: -32.964 ± 10.578 $\chi^2/\text{NDF}: 48.0/24$

Right Out: 61.153 ± 80.638 $\chi^2/\text{NDF}: 0.3/3$

Left In: -31.144 ± 10.958 $\chi^2/\text{NDF}: 23.4/22$

Left: -32.086 ± 7.610 $\chi^2/\text{NDF}: 71.5/47$

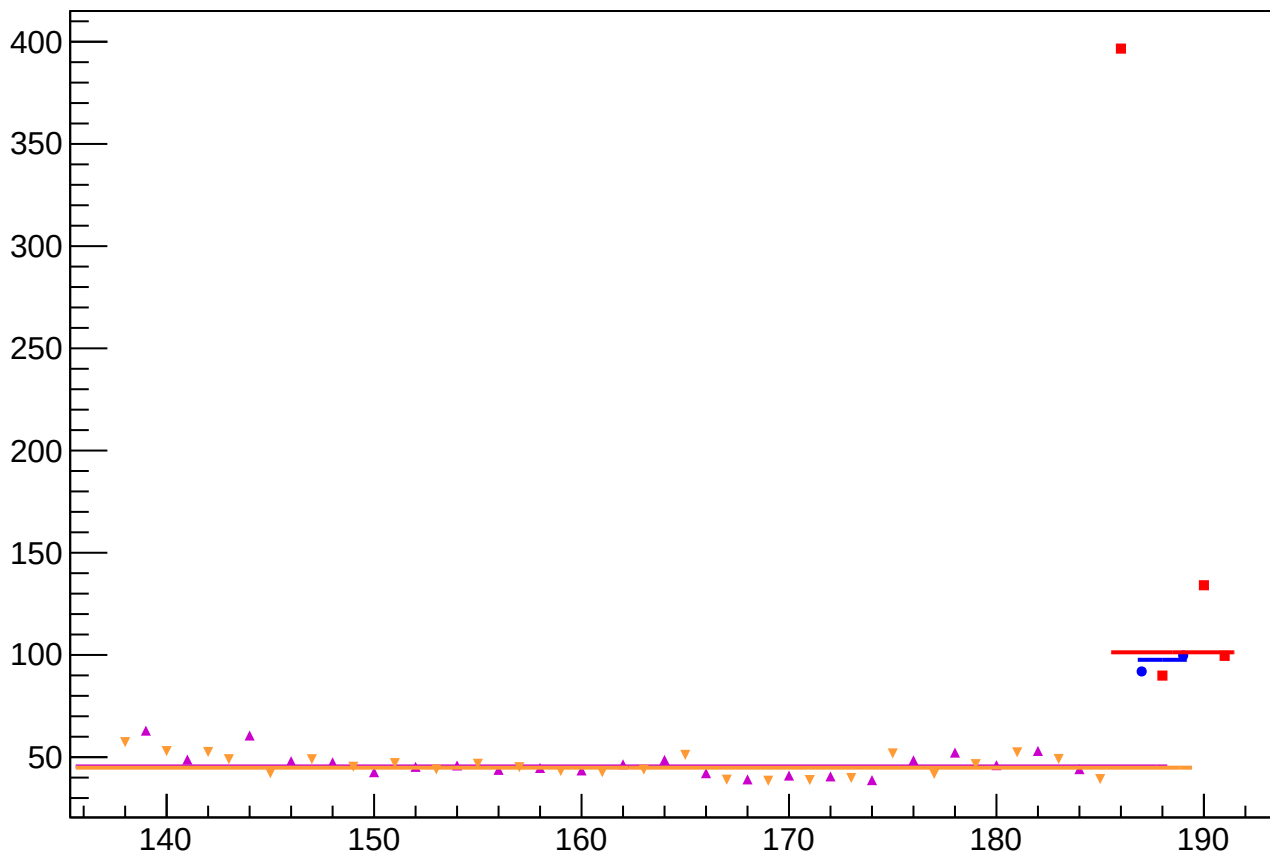
Right: 42.856 ± 67.754 $\chi^2/\text{NDF}: 0.5/5$

In: -30.914 ± 10.916 $\chi^2/\text{NDF}: 23.5/24$

Out: -31.372 ± 10.488 $\chi^2/\text{NDF}: 49.7/28$

All: -31.152 ± 7.563 $\chi^2/\text{NDF}: 73.2/53$

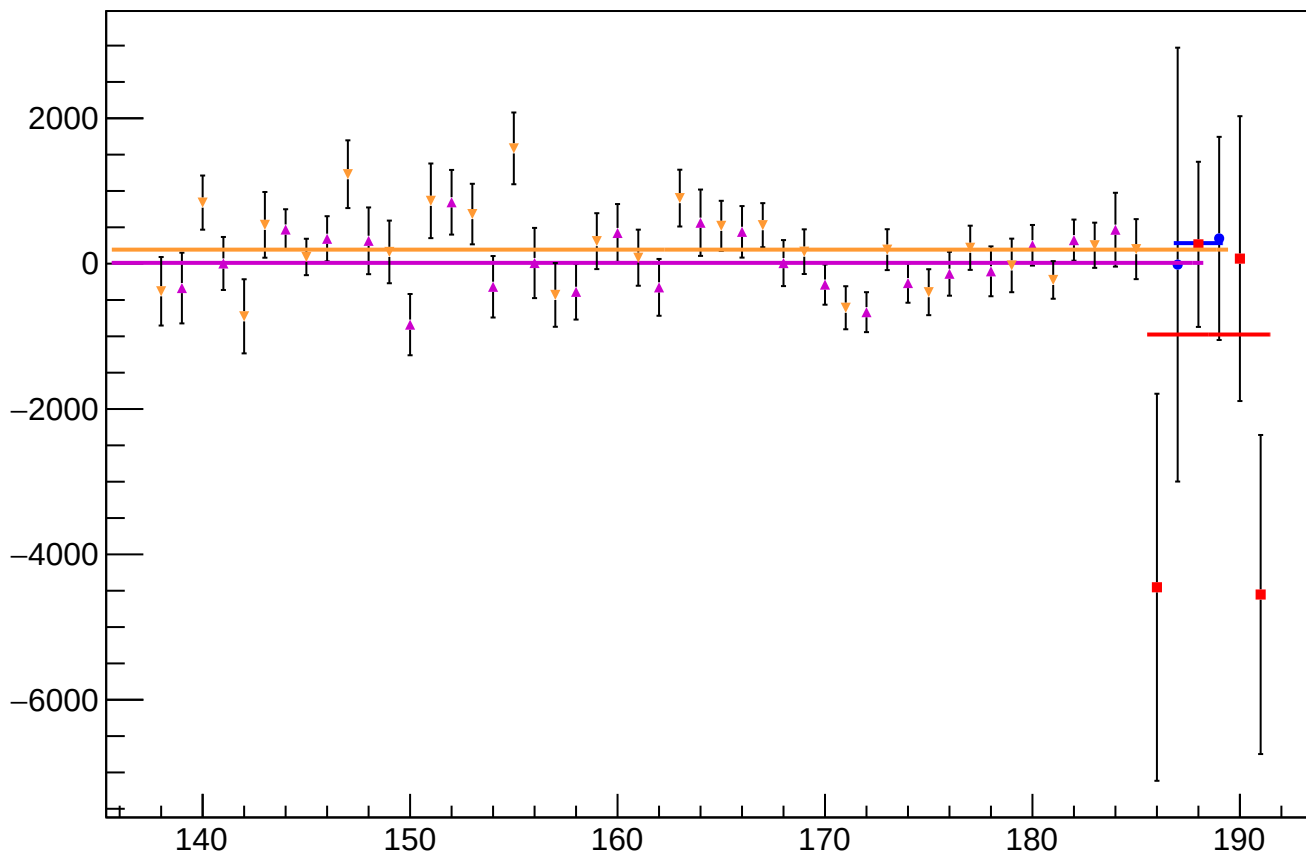
dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 97.625 $\pm$ 0.088 χ^2/NDF : 1538.5/1
 Left Out: 44.862 $\pm$ 0.007 χ^2/NDF : 415524.3/24
 Right Out: 101.300 $\pm$ 0.057 χ^2/NDF : 483250.3/3
 Left In: 45.465 $\pm$ 0.008 χ^2/NDF : 457021.7/22

Left: 45.153 $\pm$ 0.005 χ^2/NDF : 875681.9/47
 Right: 100.219 $\pm$ 0.048 χ^2/NDF : 486009.6/5
 In: 45.863 $\pm$ 0.008 χ^2/NDF : 804411.8/24
 Out: 45.817 $\pm$ 0.007 χ^2/NDF : 1861878.6/28
 All: 45.839 $\pm$ 0.005 χ^2/NDF : 2666309.2/53

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 282.429+/-1265.531 χ^2 /NDF: 0.0/1

Left Out: 192.946+/-70.968 χ^2 /NDF:45.8/24

Right Out: -974.977+/-850.088 χ^2 /NDF: 5.8/3

Left In: 10.801+/-72.300 χ^2 /NDF:30.2/22

Left: 103.567+/-50.646 χ^2 /NDF: 79.3/47

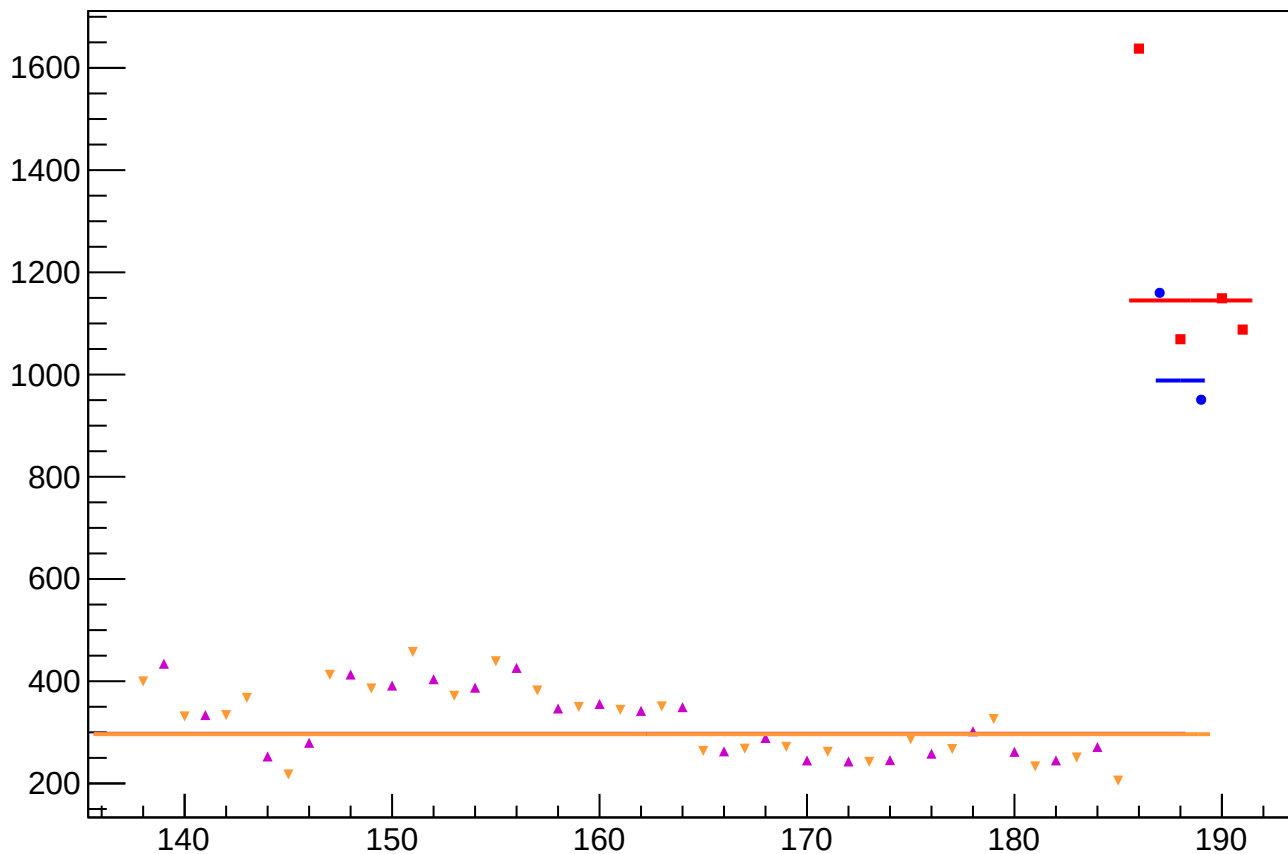
Right: -584.023+/-705.664 χ^2 /NDF: 6.5/5

In: 11.684+/-72.182 χ^2 /NDF:30.3/24

Out: 184.863+/-70.722 χ^2 /NDF:53.5/28

All: 100.043+/-50.516 χ^2 /NDF: 86.8/53

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 988.357+/-0.895 χ^2/NDF : 8056.2/1

Left Out: 296.383+/-0.050 χ^2/NDF : 1635498.4/24

Right Out: 1144.979+/-0.601 χ^2/NDF : 78766.5/3

Left In: 297.137+/-0.051 χ^2/NDF : 1320750.3/22

Left: 296.753+/-0.036 χ^2/NDF : 2956359.4/47

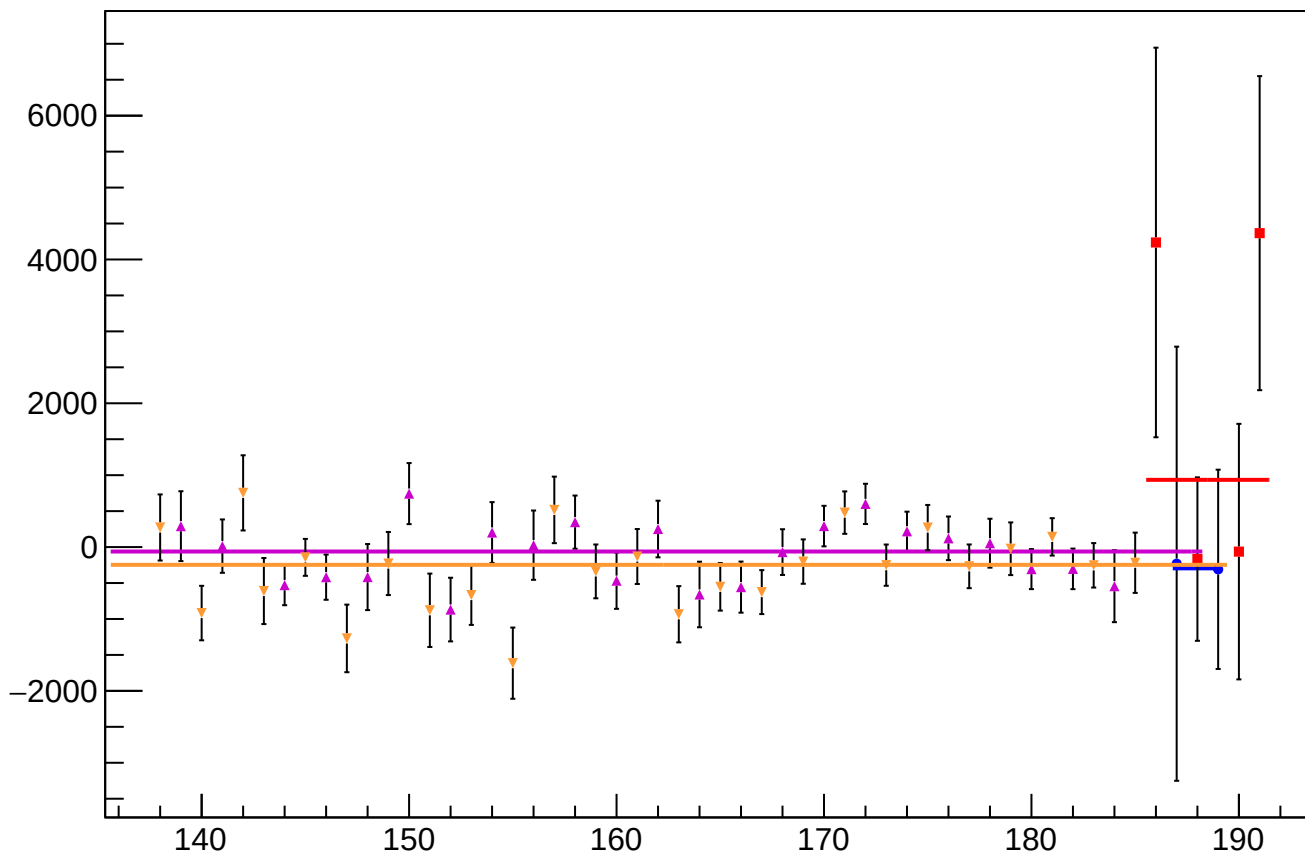
Right: 1096.282+/-0.499 χ^2/NDF : 107931.3/5

In: 299.386+/-0.051 χ^2/NDF : 1923510.6/24

Out: 302.257+/-0.050 χ^2/NDF : 3693456.0/28

All: 300.850+/-0.036 χ^2/NDF : 5618580.7/53

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -295.819 ± 1259.520 $\chi^2/\text{NDF}: 0.0/1$

Left Out: -247.108 ± 71.218 $\chi^2/\text{NDF}: 43.6/24$

Right Out: 935.179 ± 834.356 $\chi^2/\text{NDF}: 5.2/3$

Left In: -61.707 ± 72.478 $\chi^2/\text{NDF}: 30.3/22$

Left: -156.032 ± 50.798 $\chi^2/\text{NDF}: 77.2/47$

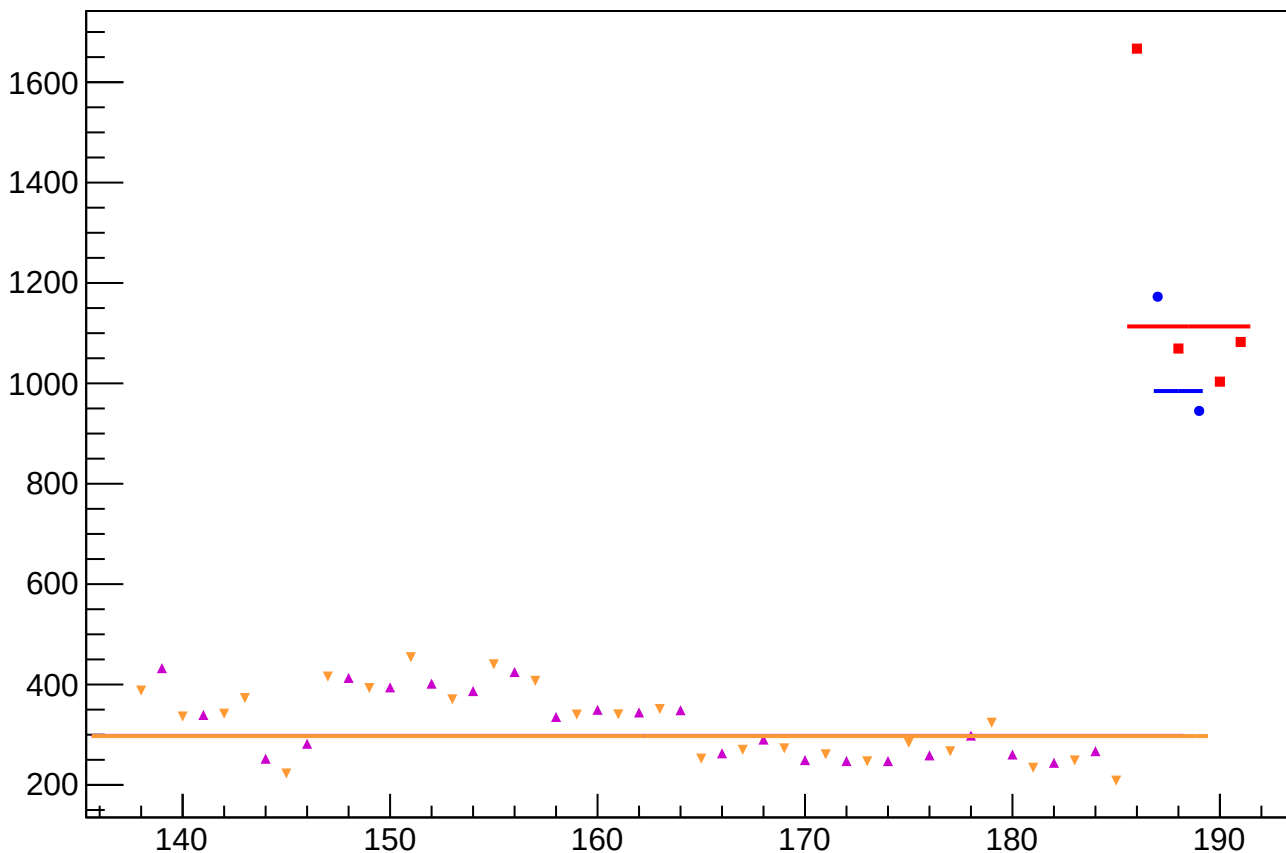
Right: 559.739 ± 695.580 $\chi^2/\text{NDF}: 5.9/5$

In: -62.479 ± 72.358 $\chi^2/\text{NDF}: 30.4/24$

Out: -238.556 ± 70.960 $\chi^2/\text{NDF}: 50.8/28$

All: -152.235 ± 50.663 $\chi^2/\text{NDF}: 84.2/53$

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Left: 297.481 +/- 0.036 χ^2/NDF : 2902547.0/47

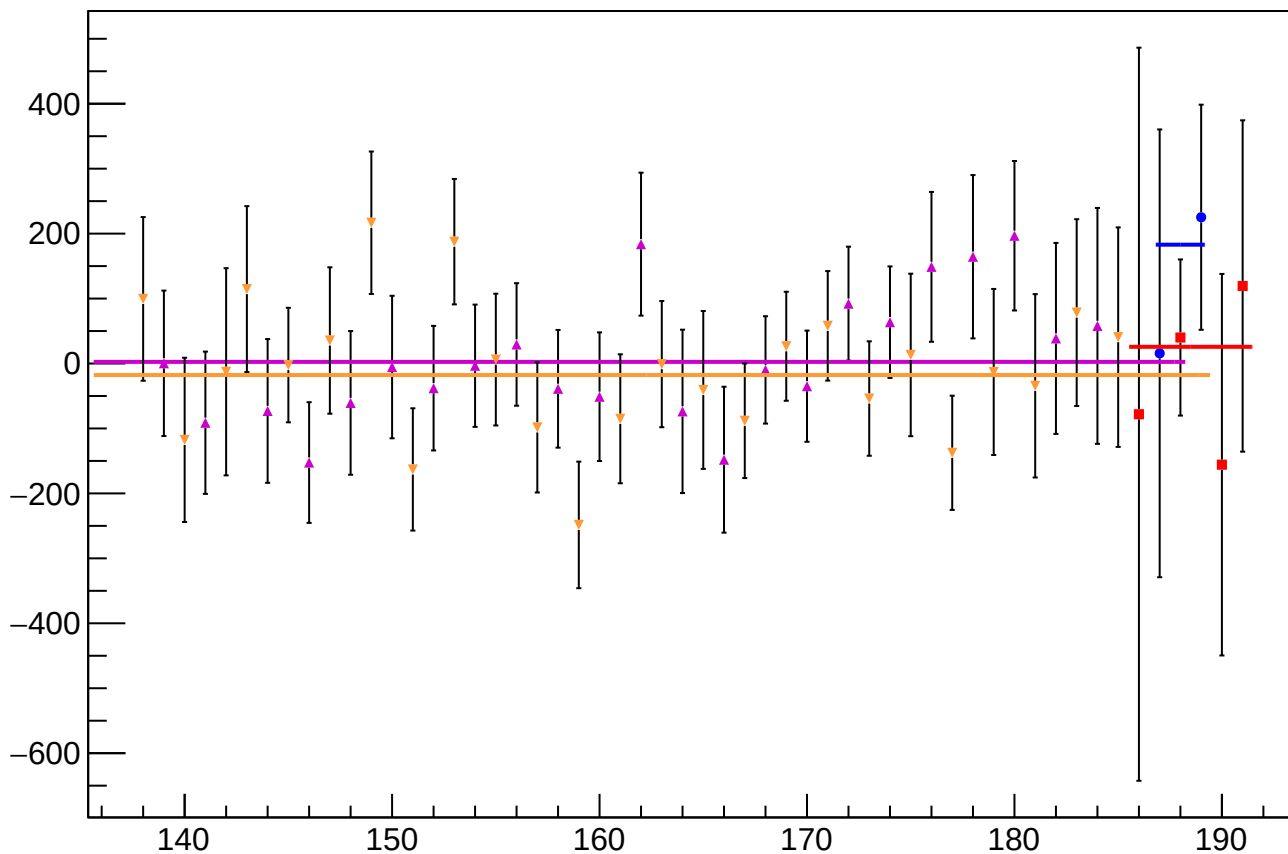
Right: 1074.160 +/- 0.492 χ^2/NDF : 118426.7/5

In: 299.964 +/- 0.051 χ^2/NDF : 1877076.2/24

Out: 303.176 +/- 0.050 χ^2/NDF : 3622215.4/28

All: 301.601 +/- 0.036 χ^2/NDF : 5501301.1/53

dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 182.963 ± 154.835 χ^2/NDF : 0.3/1

Left Out: -17.764 ± 21.121 χ^2/NDF : 25.5/24

Right Out: 25.715 ± 100.358 χ^2/NDF : 0.6/3

Left In: 2.505 ± 21.582 χ^2/NDF : 18.0/22

Left: -7.848 ± 15.095 χ^2/NDF : 44.0/47

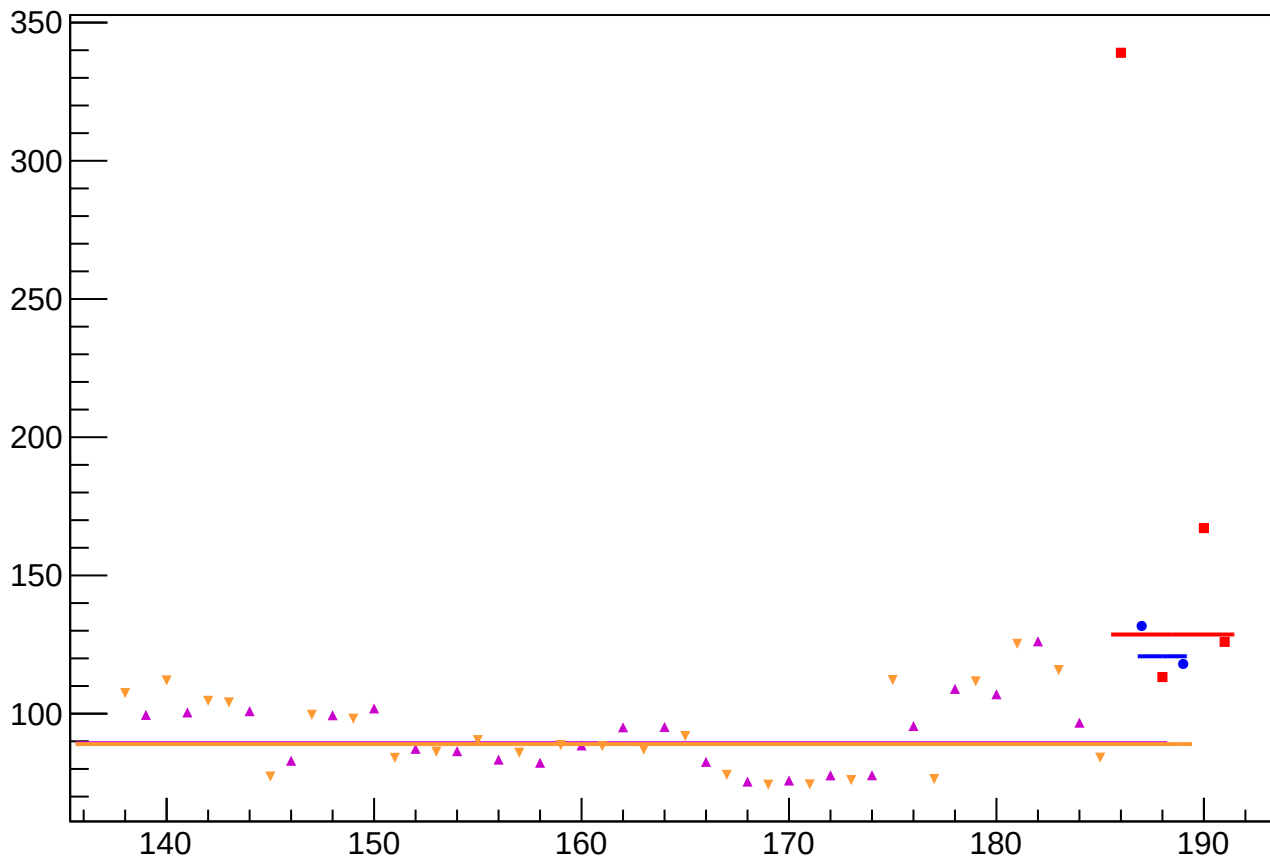
Right: 72.234 ± 84.215 χ^2/NDF : 1.6/5

In: 5.945 ± 21.375 χ^2/NDF : 19.6/24

Out: -15.920 ± 20.668 χ^2/NDF : 26.3/28

All: -5.355 ± 14.858 χ^2/NDF : 46.4/53

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 120.753 $\pm$ 0.109 χ^2/NDF : 2534.3/1

Left Out: 88.991 $\pm$ 0.015 χ^2/NDF :807471.2/24

Right Out: 128.634 $\pm$ 0.071 χ^2/NDF : 345429.7/3

Left In: 89.321 $\pm$ 0.015 χ^2/NDF :560433.9/22

Left: 89.152 $\pm$ 0.011 χ^2/NDF : 1368144.9/47

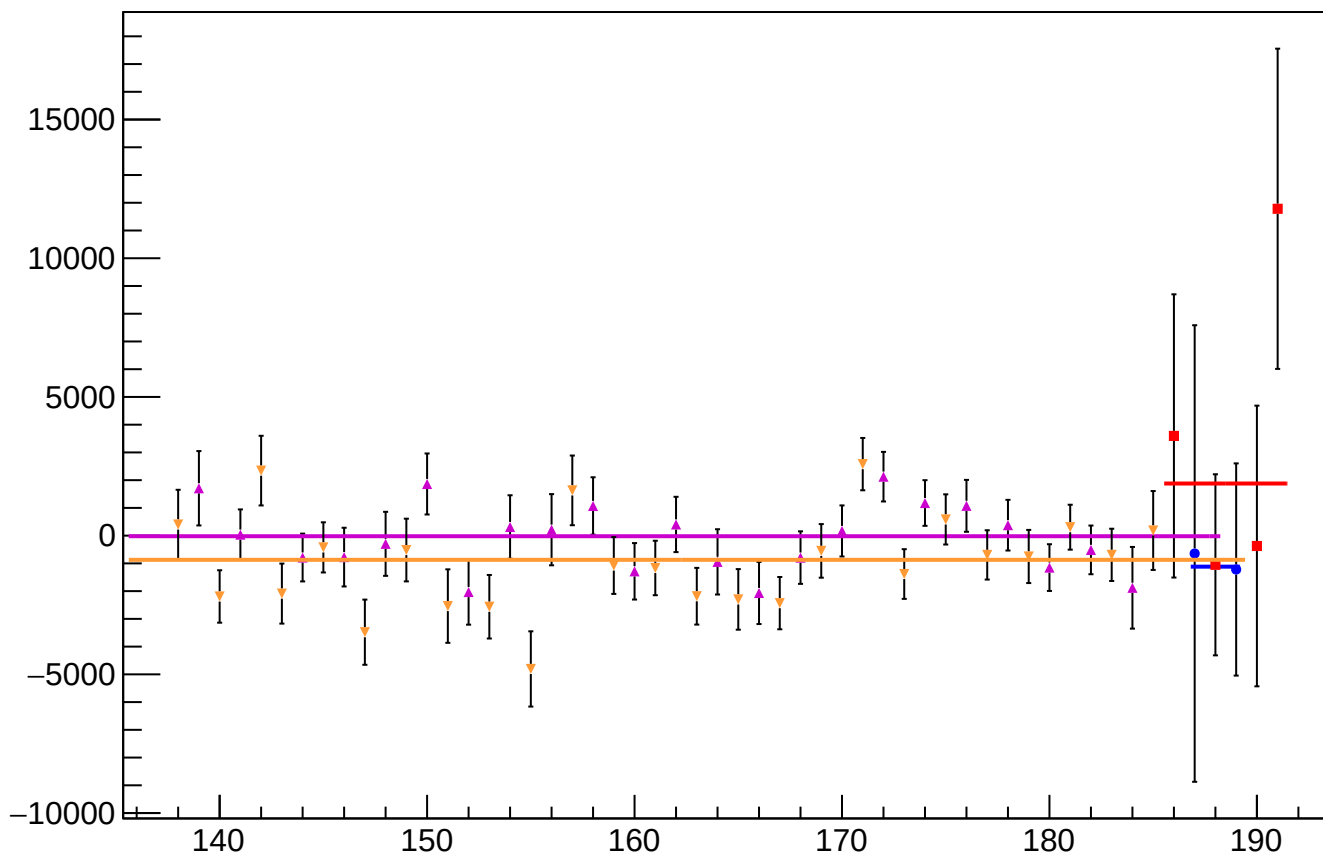
Right: 126.302 $\pm$ 0.060 χ^2/NDF : 351612.6/5

In: 89.920 $\pm$ 0.015 χ^2/NDF :643815.0/24

Out: 90.672 $\pm$ 0.015 χ^2/NDF :1451742.5/28

All: 90.309 $\pm$ 0.011 χ^2/NDF : 2096835.5/53

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -1117.830 $\pm$ 3468.685 χ^2/NDF : 0.0/1

Left Out: -871.061 $\pm$ 205.986 χ^2/NDF : 57.6/24

Right Out: 1879.141 $\pm$ 2228.683 χ^2/NDF : 4.1/3

Left In: -20.573 $\pm$ 210.177 χ^2/NDF : 29.7/22

Left: -454.381 $\pm$ 147.113 χ^2/NDF : 95.6/47

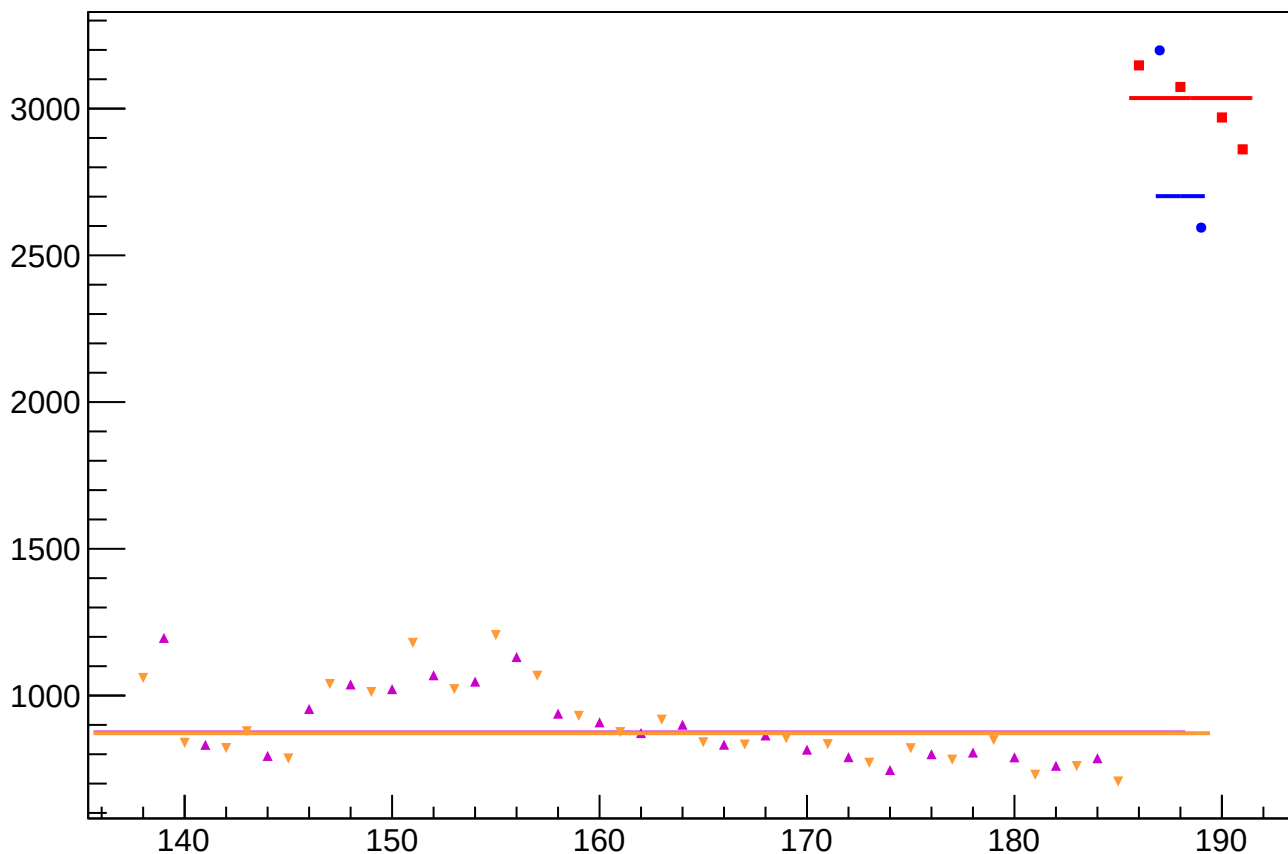
Right: 1003.430 $\pm$ 1875.012 χ^2/NDF : 4.6/5

In: -24.587 $\pm$ 209.792 χ^2/NDF : 29.8/24

Out: -847.767 $\pm$ 205.111 χ^2/NDF : 63.2/28

All: -445.462 $\pm$ 146.662 χ^2/NDF : 100.8/53

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 2701.745+/-2.453 χ^2/NDF : 8859.4/1

Left Out: 871.690+/-0.146 χ^2/NDF : 642403.4/24

Right Out: 3035.939+/-1.576 χ^2/NDF : 3395.7/3

Left In: 874.055+/-0.149 χ^2/NDF : 578510.6/22

Left: 872.849+/-0.104 χ^2/NDF : 1221043.2/47

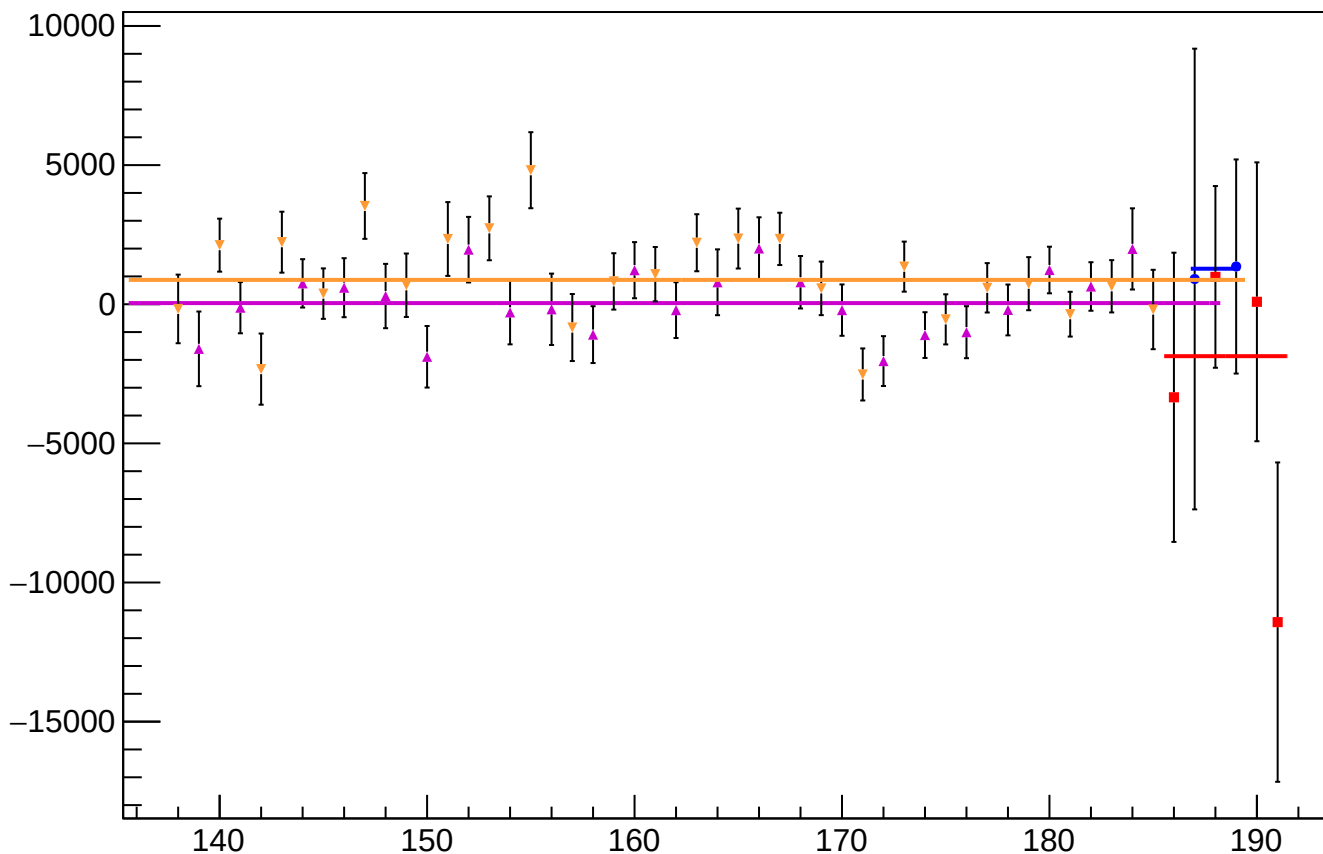
Right: 2938.288+/-1.326 χ^2/NDF : 25395.5/5

In: 880.741+/-0.148 χ^2/NDF : 1140610.1/24

Out: 890.022+/-0.145 χ^2/NDF : 2515850.6/28

All: 885.486+/-0.104 χ^2/NDF : 3658461.6/53

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1276.589 $\pm$ 3488.776 χ^2 /NDF: 0.0/1

Left Out: 875.084 $\pm$ 205.572 χ^2 /NDF:55.1/24

Right Out: -1866.153 $\pm$ 2230.511 χ^2 /NDF: 3.8/3

Left In: 41.523 $\pm$ 210.209 χ^2 /NDF:28.1/22

Left: 467.597 $\pm$ 146.973 χ^2 /NDF: 91.2/47

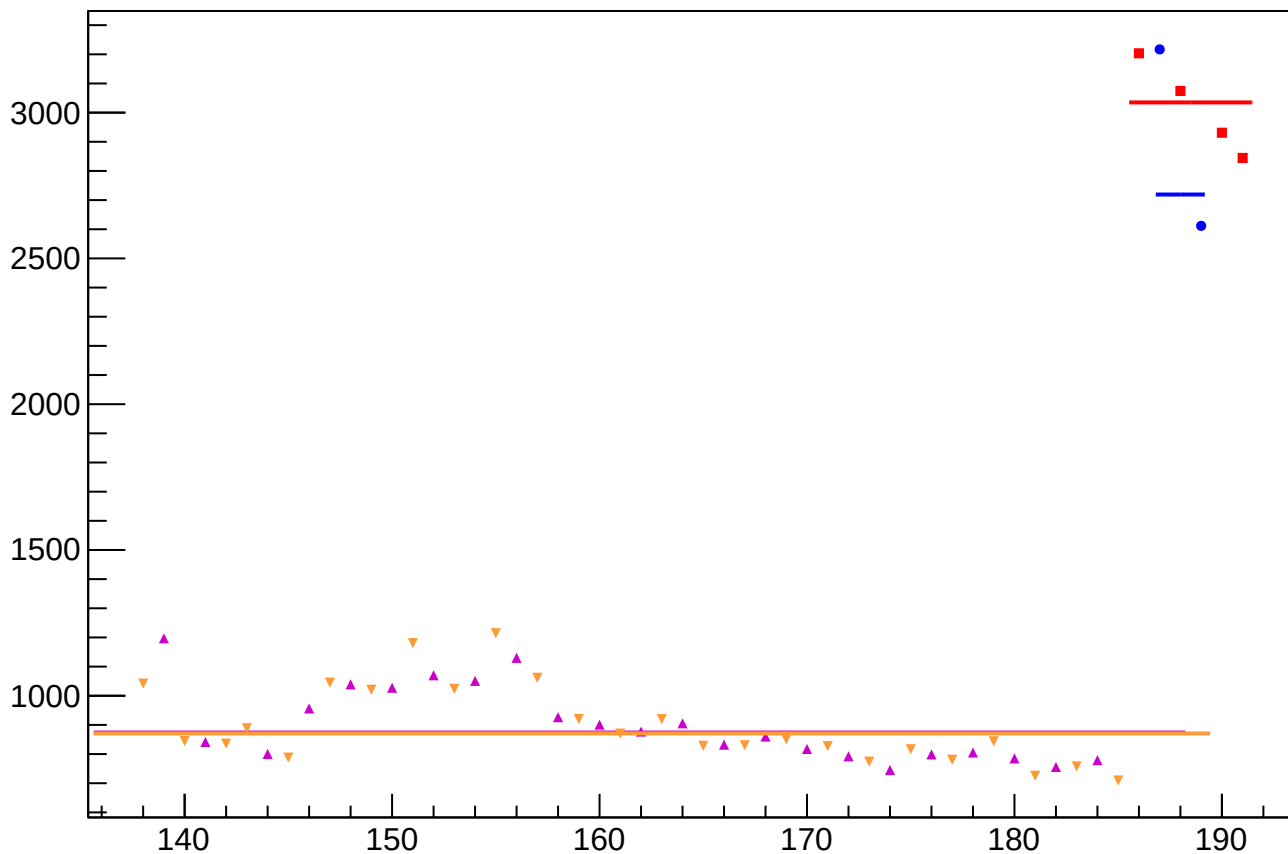
Right: -954.276 $\pm$ 1879.259 χ^2 /NDF: 4.3/5

In: 45.990 $\pm$ 209.828 χ^2 /NDF:28.3/24

Out: 851.995 $\pm$ 204.705 χ^2 /NDF:60.3/28

All: 458.953 $\pm$ 146.526 χ^2 /NDF: 96.2/53

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 2719.133+/-2.467 χ^2/NDF : 8793.3/1

Left Out: 870.853+/-0.145 χ^2/NDF : 651805.6/24

Right Out: 3035.008+/-1.577 χ^2/NDF : 5452.8/3

Left In: 873.902+/-0.149 χ^2/NDF : 583344.5/22

Left: 872.344+/-0.104 χ^2/NDF : 1235365.2/47

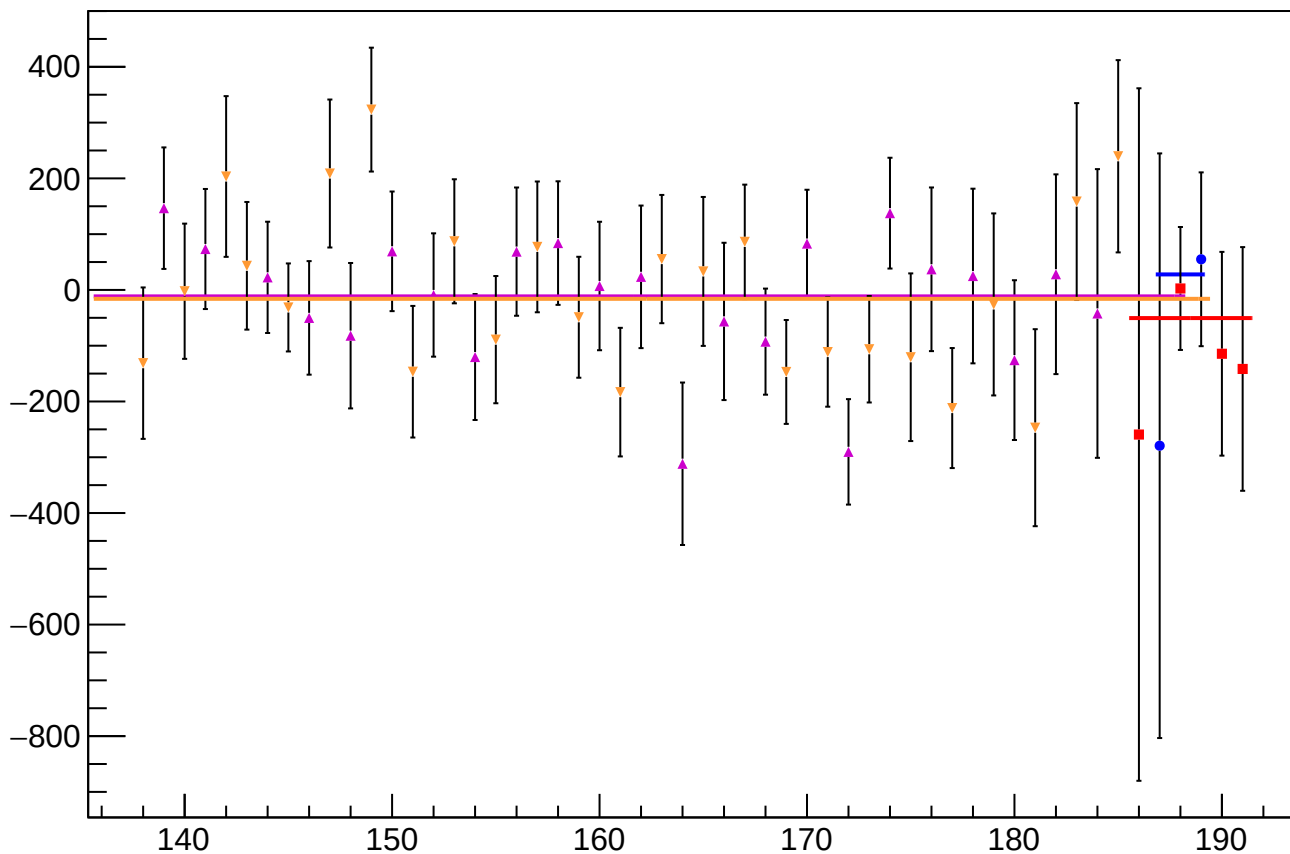
Right: 2943.356+/-1.329 χ^2/NDF : 25884.1/5

In: 880.577+/-0.148 χ^2/NDF : 1149594.6/24

Out: 889.081+/-0.145 χ^2/NDF : 2524173.8/28

All: 884.934+/-0.104 χ^2/NDF : 3675451.5/53

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 27.812 $\pm$ 149.346 χ^2 /NDF: 0.4/1

Left Out: -15.956 $\pm$ 23.377 χ^2 /NDF:34.9/24

Right Out: -50.482 $\pm$ 85.803 χ^2 /NDF: 0.6/3

Left In: -11.570 $\pm$ 24.412 χ^2 /NDF:24.0/22

Left: -13.858 $\pm$ 16.884 χ^2 /NDF: 58.9/47

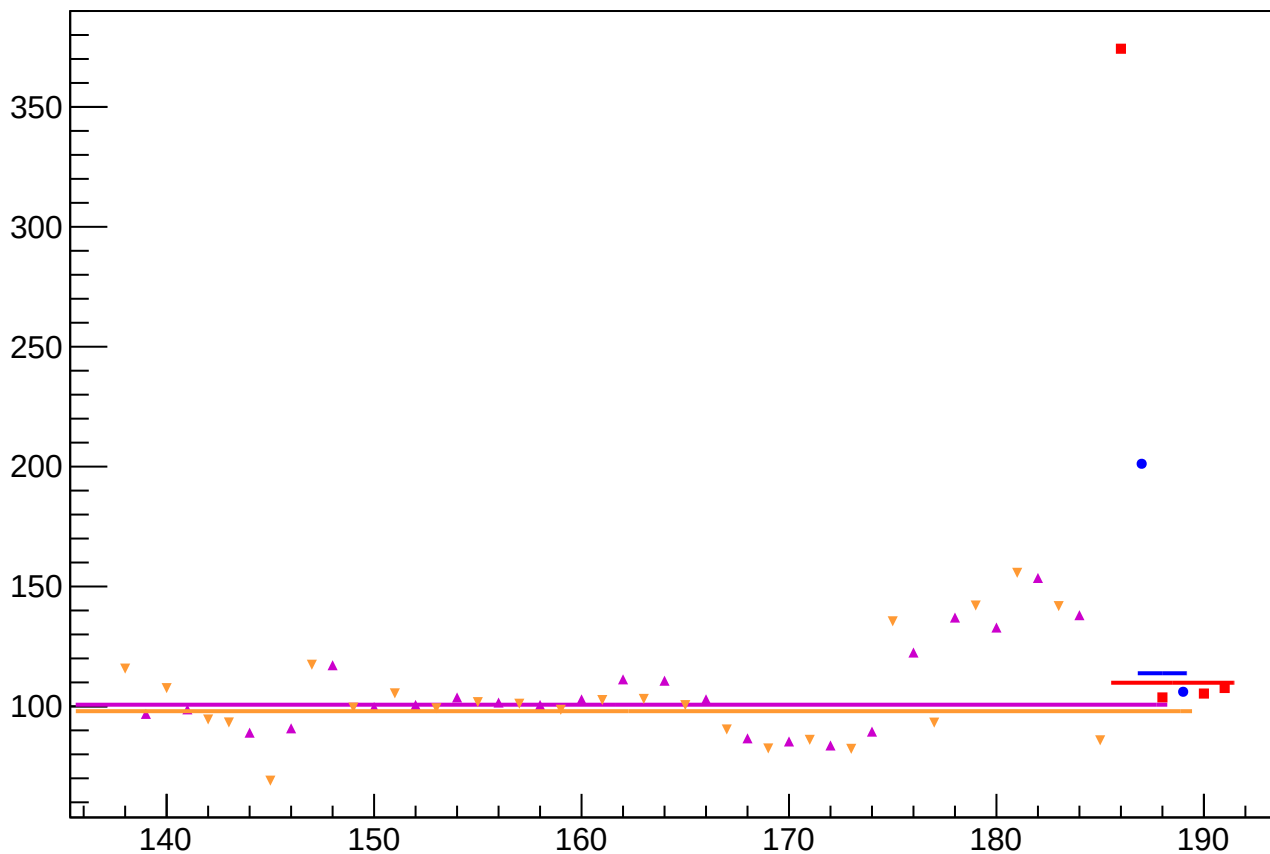
Right: -31.052 $\pm$ 74.398 χ^2 /NDF: 1.2/5

In: -10.545 $\pm$ 24.092 χ^2 /NDF:24.4/24

Out: -18.341 $\pm$ 22.555 χ^2 /NDF:35.7/28

All: -14.700 $\pm$ 16.465 χ^2 /NDF: 60.2/53

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 113.819 $\pm$ 0.106 χ^2 /NDF: 60481.0/1

Left Out: 98.001 $\pm$ 0.017 χ^2 /NDF: 1155021.9/24

Right Out: 109.866 $\pm$ 0.061 χ^2 /NDF: 370403.9/3

Left In: 100.704 $\pm$ 0.017 χ^2 /NDF: 759922.8/22

Left: 99.294 $\pm$ 0.012 χ^2 /NDF: 1927728.9/47

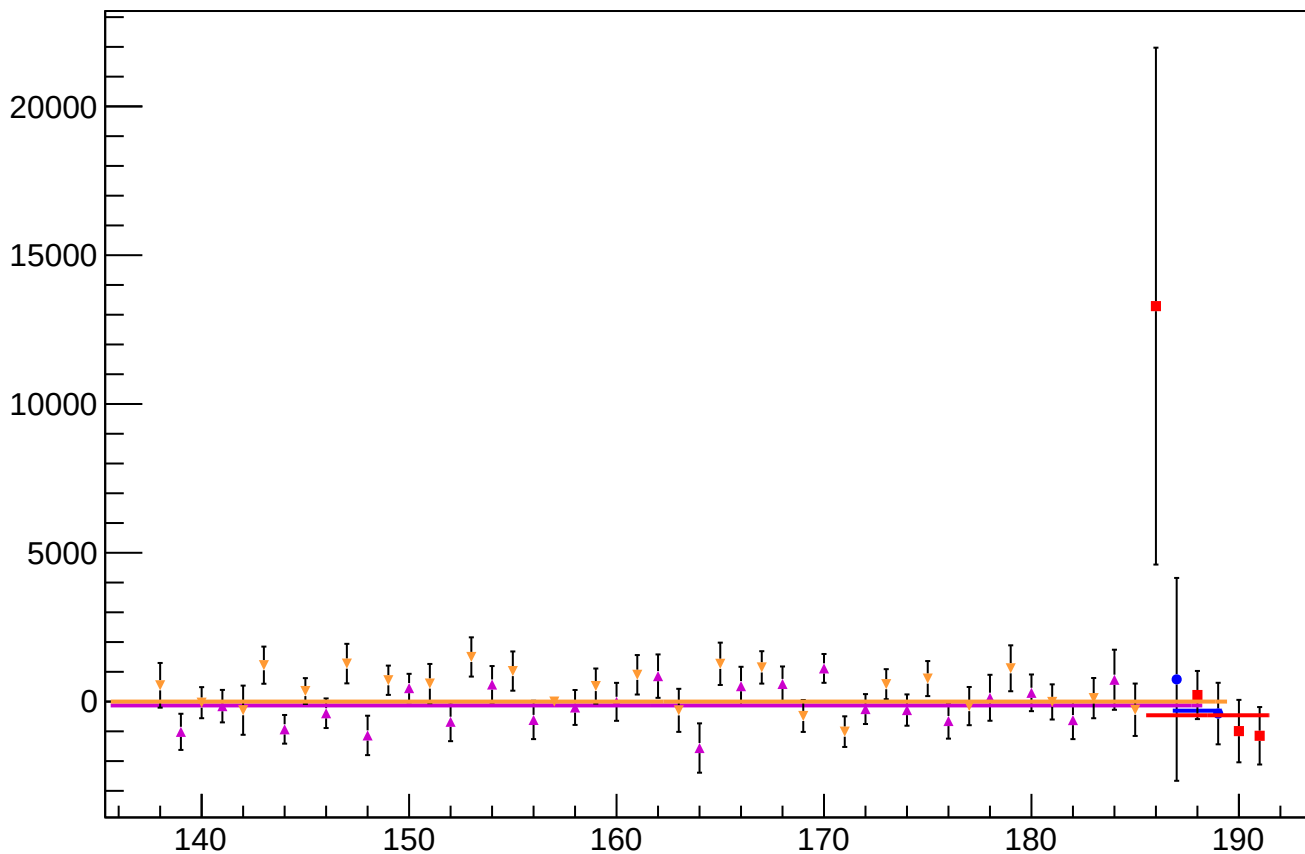
Right: 110.847 $\pm$ 0.053 χ^2 /NDF: 431938.3/5

In: 101.045 $\pm$ 0.017 χ^2 /NDF: 835427.1/24

Out: 98.821 $\pm$ 0.016 χ^2 /NDF: 1561027.4/28

All: 99.860 $\pm$ 0.012 χ^2 /NDF: 2405534.9/53

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -305.795+/-989.348 χ^2/NDF : 0.1/1

Left Out: -0.000+/-0.000 χ^2/NDF : 39.9/24

Right Out: -460.189+/-532.817 χ^2/NDF : 4.0/3

Left In: -129.094+/-124.247 χ^2/NDF : 28.3/22

Left: -0.000+/-0.000 χ^2/NDF : 69.3/47

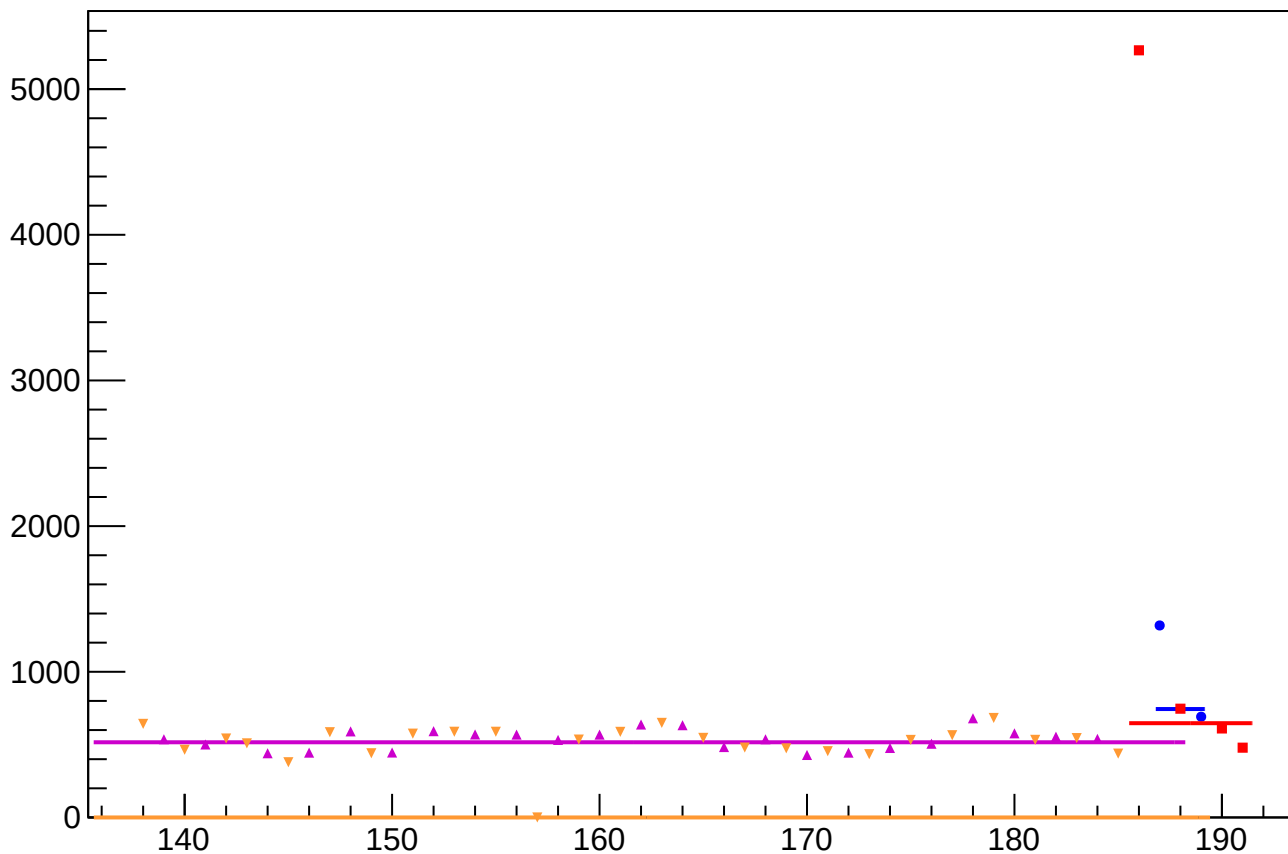
Right: -425.476+/-469.112 χ^2/NDF : 4.1/5

In: -131.838+/-123.278 χ^2/NDF : 28.5/24

Out: -0.000+/-0.000 χ^2/NDF : 44.6/28

All: -0.000+/-0.000 χ^2/NDF : 74.2/53

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 744.303+/-0.700 χ^2/NDF : 61878.1/1

Left Out: 0.000+/-0.000 χ^2/NDF : 34974091.9/24

Right Out: 647.135+/-0.377 χ^2/NDF : 659061.0/3

Left In: 516.120+/-0.088 χ^2/NDF : 571744.7/22

Left: 0.000+/-0.000 χ^2/NDF : 70057167.0/47

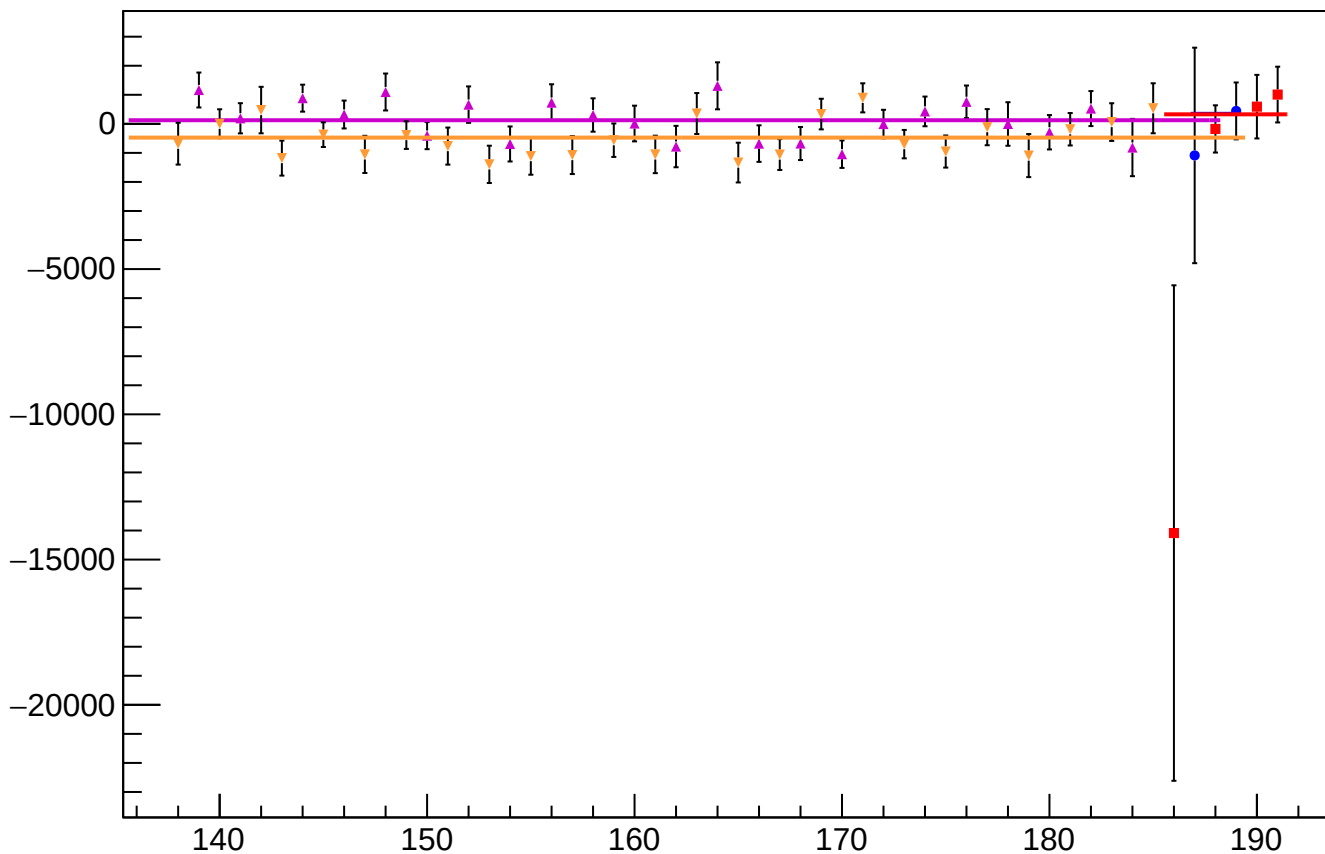
Right: 668.981+/-0.332 χ^2/NDF : 735893.9/5

In: 519.663+/-0.087 χ^2/NDF : 738360.7/24

Out: 0.000+/-0.000 χ^2/NDF : 38583440.1/28

All: 0.000+/-0.000 χ^2/NDF : 74860356.1/53

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 344.326+/-947.183 χ^2/NDF : 0.2/1

Left Out: -473.870+/-117.977 χ^2/NDF : 27.9/24

Right Out: 327.497+/-538.697 χ^2/NDF : 3.8/3

Left In: 124.022+/-120.216 χ^2/NDF : 30.2/22

Left: -180.543+/-84.203 χ^2/NDF : 70.7/47

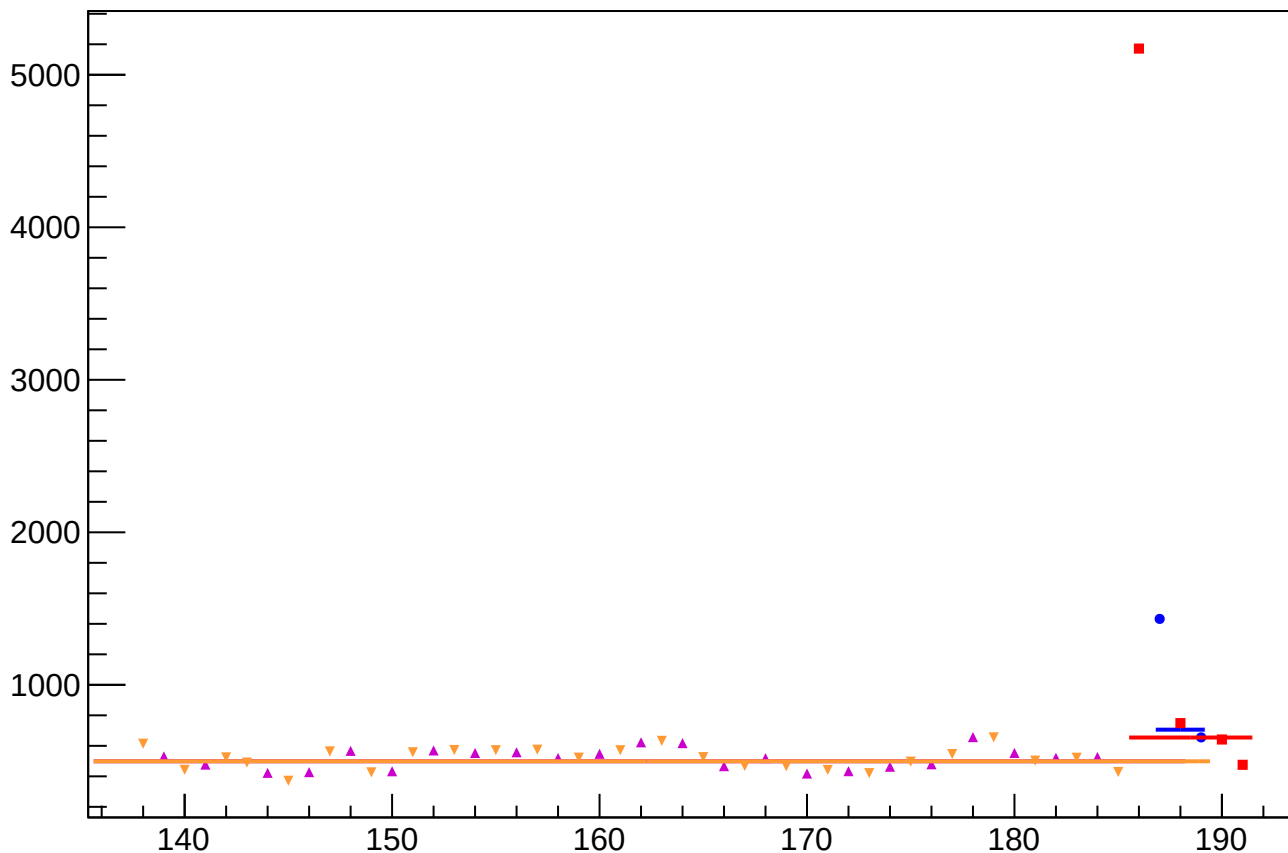
Right: 331.610+/-468.262 χ^2/NDF : 4.0/5

In: 127.514+/-119.259 χ^2/NDF : 30.4/24

Out: -437.194+/-115.246 χ^2/NDF : 33.8/28

All: -164.501+/-82.874 χ^2/NDF : 75.8/53

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 706.045 $\pm$ 0.670 χ^2 /NDF: 82030.2/1

Left Out: 498.662 $\pm$ 0.083 χ^2 /NDF: 734652.4/24

Right Out: 654.535 $\pm$ 0.381 χ^2 /NDF: 657825.5/3

Left In: 498.835 $\pm$ 0.085 χ^2 /NDF: 572334.3/22

Left: 498.747 $\pm$ 0.060 χ^2 /NDF: 1306988.8/47

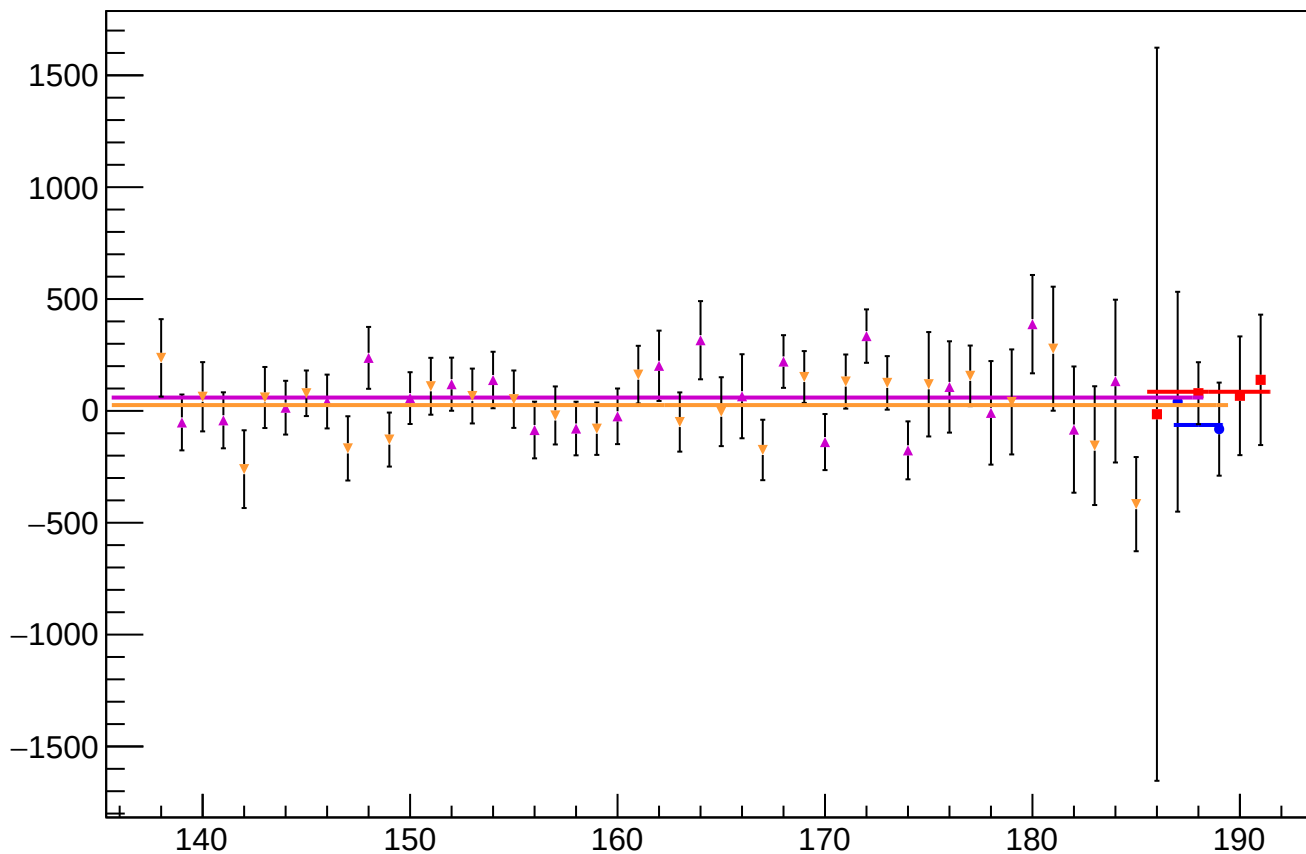
Right: 667.125 $\pm$ 0.331 χ^2 /NDF: 744324.9/5

In: 502.120 $\pm$ 0.084 χ^2 /NDF: 748563.4/24

Out: 505.796 $\pm$ 0.081 χ^2 /NDF: 1552262.8/28

All: 504.021 $\pm$ 0.059 χ^2 /NDF: 2301809.1/53

dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: -62.956 ± 191.574 $\chi^2/\text{NDF}: 0.1/1$

Left Out: 25.940 ± 28.120 $\chi^2/\text{NDF}: 22.7/24$

Right Out: 85.462 ± 112.891 $\chi^2/\text{NDF}: 0.0/3$

Left In: 59.603 ± 29.184 $\chi^2/\text{NDF}: 25.6/22$

Left: 42.147 ± 20.250 $\chi^2/\text{NDF}: 49.0/47$

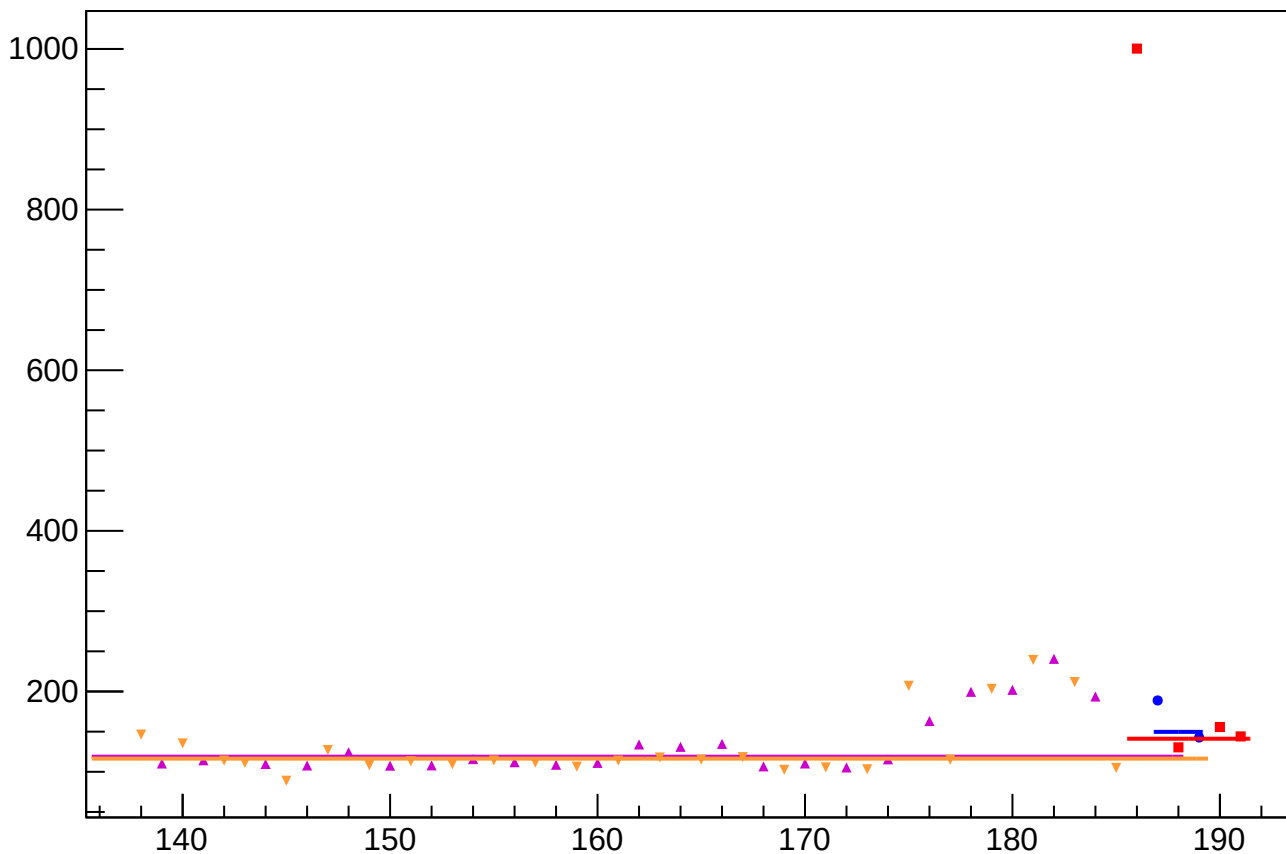
Right: 47.207 ± 97.260 $\chi^2/\text{NDF}: 0.5/5$

In: 56.824 ± 28.851 $\chi^2/\text{NDF}: 26.1/24$

Out: 29.417 ± 27.287 $\chi^2/\text{NDF}: 23.0/28$

All: 42.357 ± 19.824 $\chi^2/\text{NDF}: 49.6/53$

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 149.714 $\pm$ 0.135 χ^2 /NDF: 14952.8/1

Left Out: 116.427 $\pm$ 0.020 χ^2 /NDF: 1589669.4/24

Right Out: 141.205 $\pm$ 0.080 χ^2 /NDF: 568253.7/3

Left In: 118.822 $\pm$ 0.021 χ^2 /NDF: 1289178.7/22

Left: 117.580 $\pm$ 0.014 χ^2 /NDF: 2885830.3/47

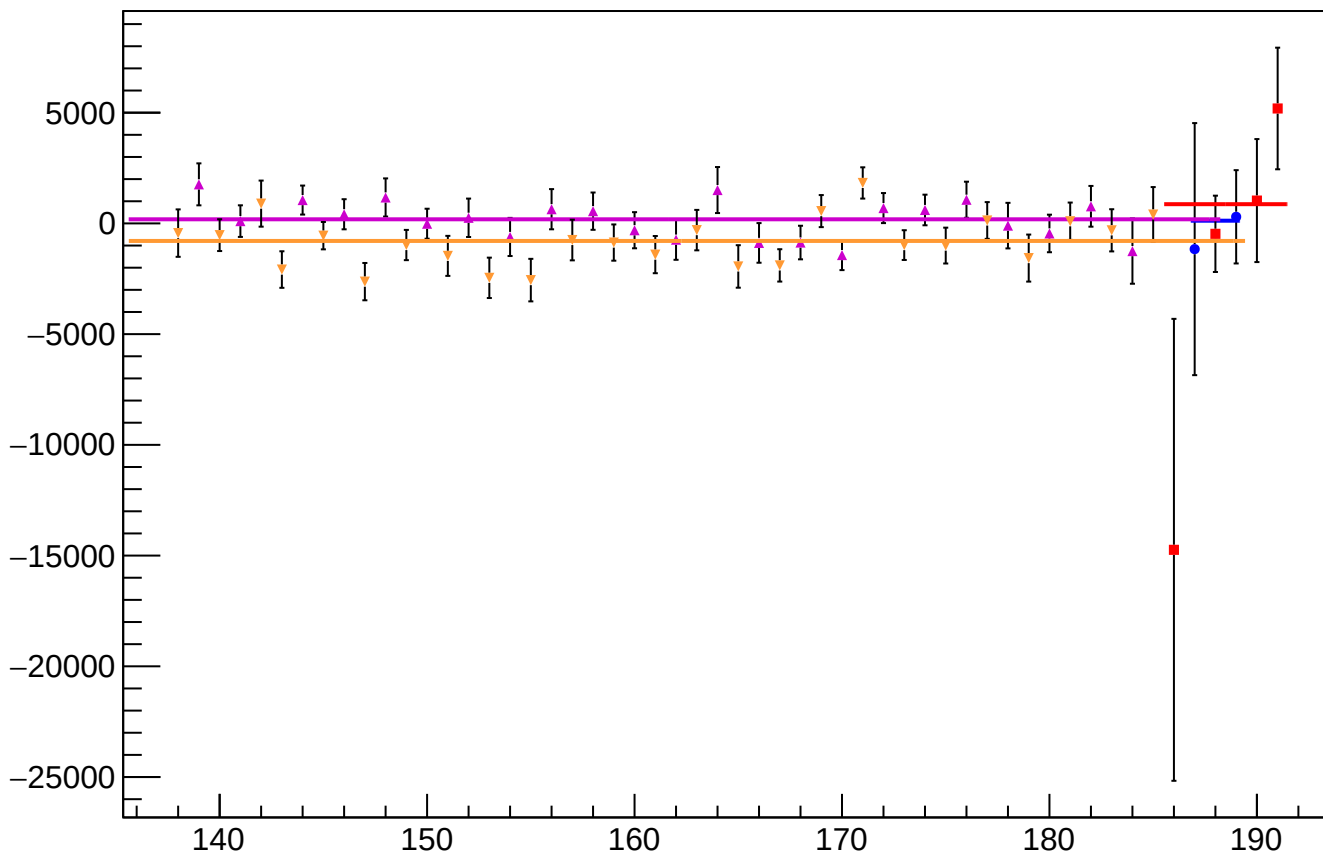
Right: 143.398 $\pm$ 0.069 χ^2 /NDF: 586135.0/5

In: 119.523 $\pm$ 0.020 χ^2 /NDF: 1354957.4/24

Out: 117.875 $\pm$ 0.019 χ^2 /NDF: 2248639.7/28

All: 118.653 $\pm$ 0.014 χ^2 /NDF: 3607040.1/53

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



Right In: 122.063+/-1975.498 χ^2/NDF : 0.1/1

Left Out: -791.963+/-165.971 χ^2/NDF : 43.6/24

Right Out: 867.954+/-1282.236 χ^2/NDF : 5.3/3

Left In: 185.191+/-169.174 χ^2/NDF : 23.4/22

Left: -312.725+/-118.475 χ^2/NDF : 84.0/47

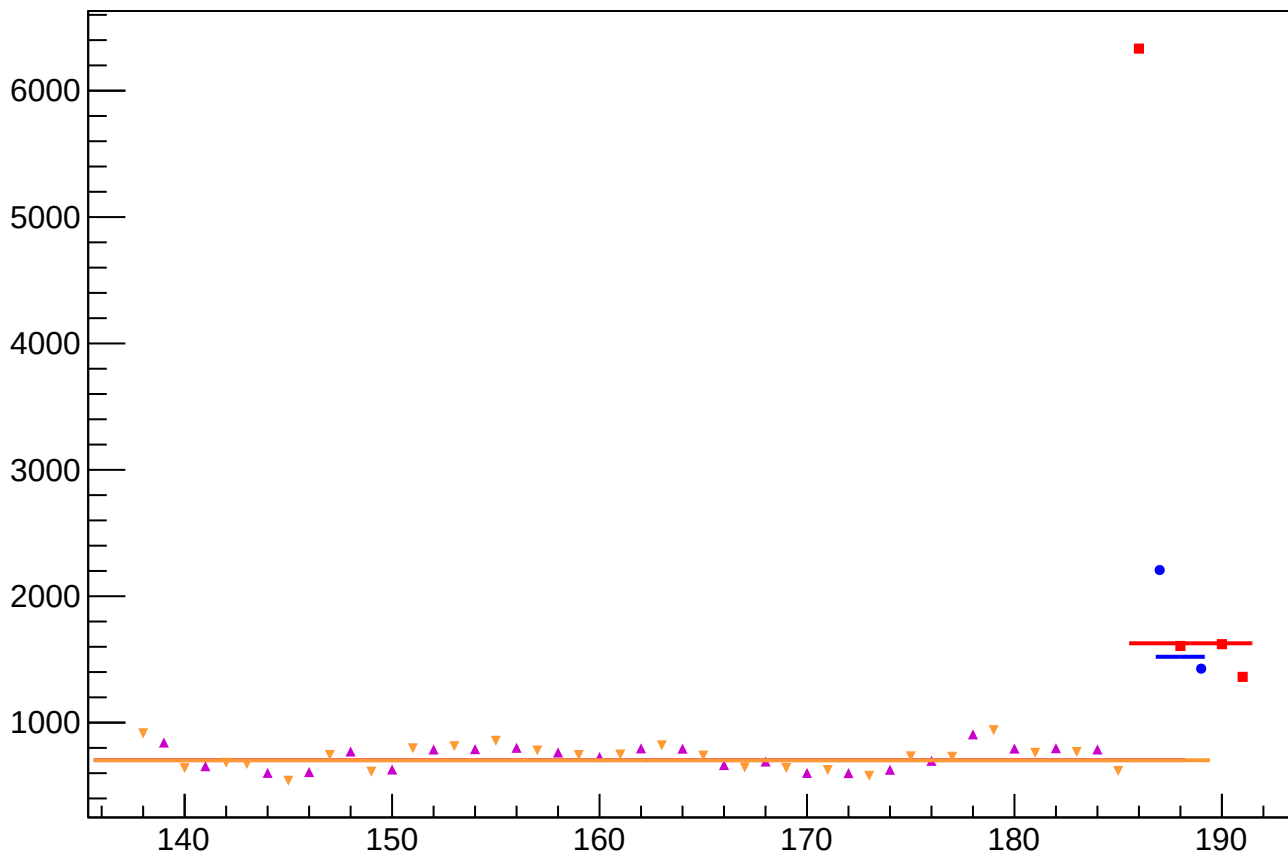
Right: 646.861+/-1075.540 χ^2/NDF : 5.5/5

In: 184.731+/-168.557 χ^2/NDF : 23.5/24

Out: -764.610+/-164.598 χ^2/NDF : 50.6/28

All: -301.221+/-117.763 χ^2/NDF : 90.3/53

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



Right In: 1520.933 $\pm$ 1.397 χ^2/NDF : 33063.5/1

Left Out: 702.152 $\pm$ 0.117 χ^2/NDF : 691552.2/24

Right Out: 1627.687 $\pm$ 0.907 χ^2/NDF : 426110.4/3

Left In: 703.710 $\pm$ 0.120 χ^2/NDF : 533573.3/22

Left: 702.916 $\pm$ 0.084 χ^2/NDF : 1225211.9/47

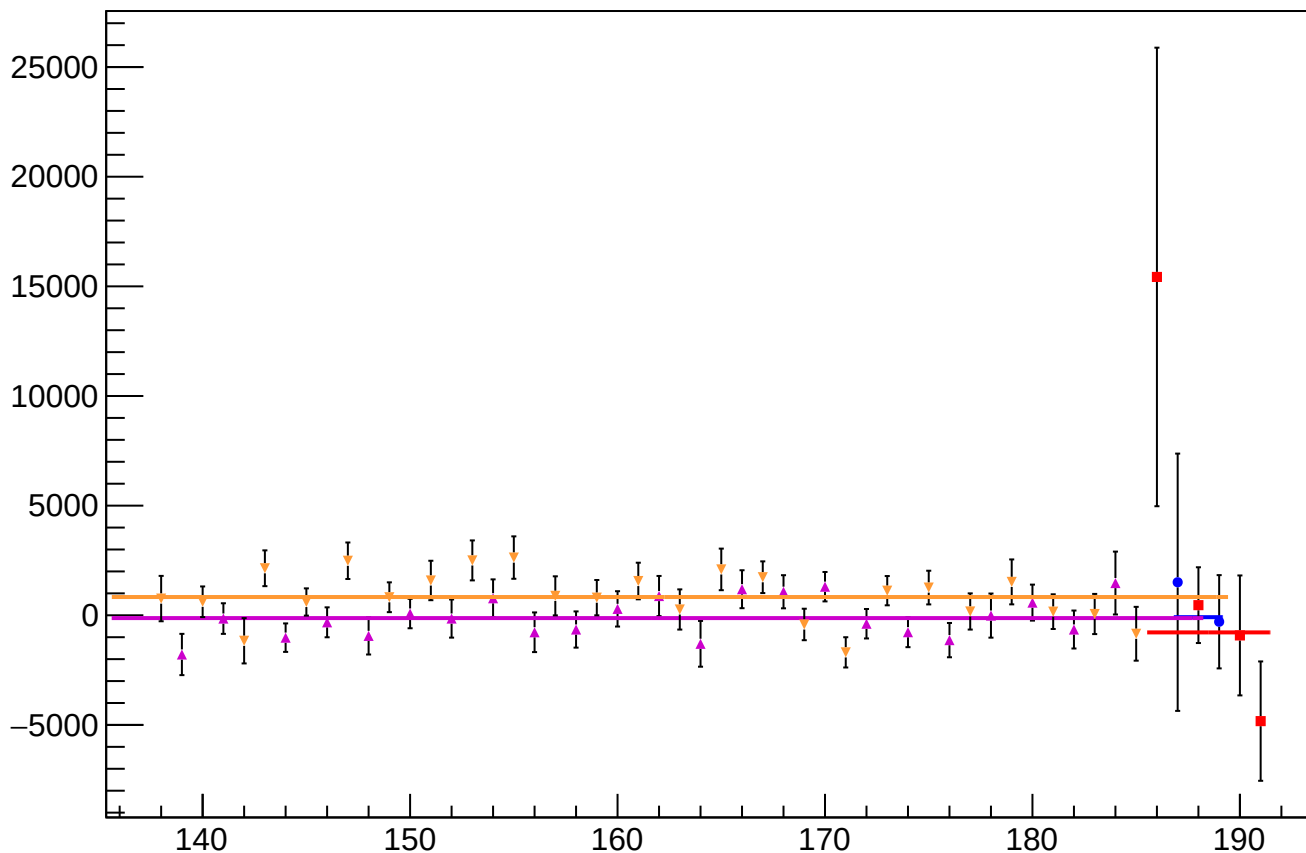
Right: 1596.044 $\pm$ 0.761 χ^2/NDF : 463283.1/5

In: 709.659 $\pm$ 0.119 χ^2/NDF : 906407.0/24

Out: 717.403 $\pm$ 0.116 χ^2/NDF : 2142520.6/28

All: 713.623 $\pm$ 0.083 χ^2/NDF : 3051088.4/53

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: -86.056 ± 1999.529 $\chi^2/\text{NDF}: 0.1/1$

Left Out: 832.553 ± 163.428 $\chi^2/\text{NDF}: 43.8/24$

Right Out: -780.850 ± 1277.304 $\chi^2/\text{NDF}: 5.1/3$

Left In: -128.120 ± 166.866 $\chi^2/\text{NDF}: 25.3/22$

Left: 362.214 ± 116.758 $\chi^2/\text{NDF}: 86.0/47$

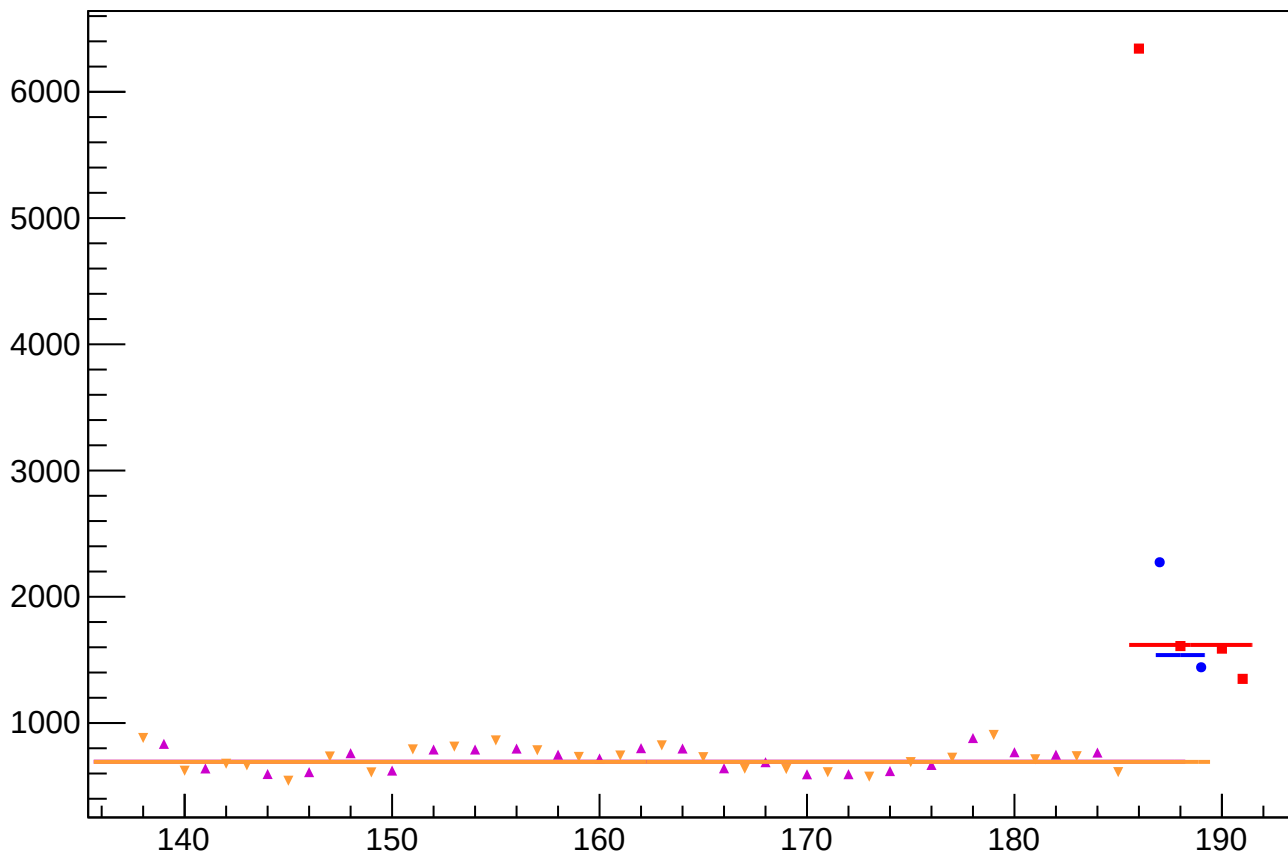
Right: -579.494 ± 1076.421 $\chi^2/\text{NDF}: 5.3/5$

In: -127.829 ± 166.288 $\chi^2/\text{NDF}: 25.4/24$

Out: 806.566 ± 162.107 $\chi^2/\text{NDF}: 50.5/28$

All: 351.263 ± 116.077 $\chi^2/\text{NDF}: 92.1/53$

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 1538.277 $\pm$ 1.414 χ^2 /NDF: 35542.6/1

Left Out: 692.071 $\pm$ 0.116 χ^2 /NDF: 657636.6/24

Right Out: 1618.623 $\pm$ 0.903 χ^2 /NDF: 428050.3/3

Left In: 693.615 $\pm$ 0.118 χ^2 /NDF: 520692.6/22

Left: 692.827 $\pm$ 0.083 χ^2 /NDF: 1178416.7/47

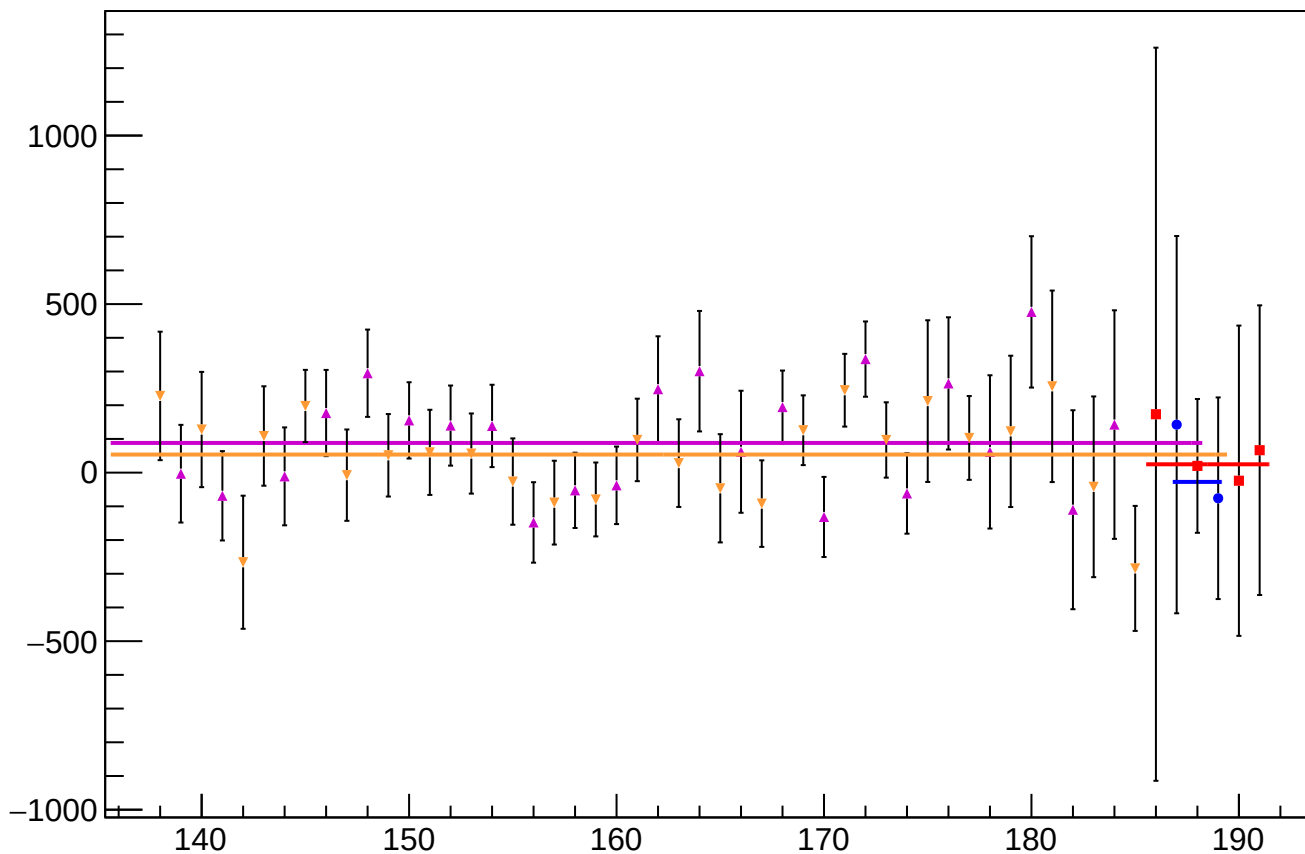
Right: 1595.338 $\pm$ 0.761 χ^2 /NDF: 465886.3/5

In: 699.457 $\pm$ 0.118 χ^2 /NDF: 910661.8/24

Out: 706.995 $\pm$ 0.115 χ^2 /NDF: 2121138.0/28

All: 703.322 $\pm$ 0.082 χ^2 /NDF: 3033906.7/53

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -27.494 ± 263.792 $\chi^2/\text{NDF}: 0.1/1$

Left Out: 53.701 ± 27.462 $\chi^2/\text{NDF}: 19.2/24$

Right Out: 24.743 ± 165.808 $\chi^2/\text{NDF}: 0.0/3$

Left In: 88.085 ± 28.764 $\chi^2/\text{NDF}: 30.4/22$

Left: 70.097 ± 19.863 $\chi^2/\text{NDF}: 50.3/47$

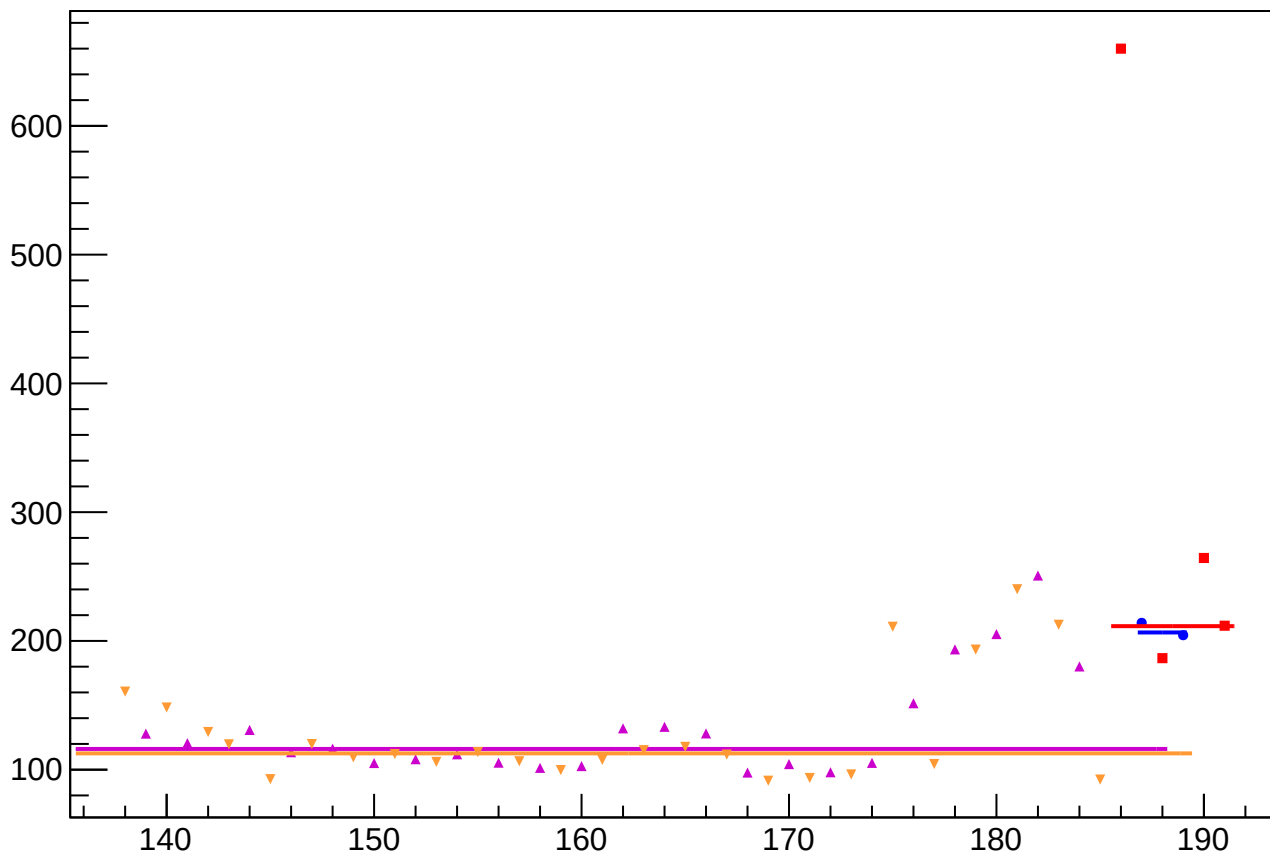
Right: 9.950 ± 140.380 $\chi^2/\text{NDF}: 0.2/5$

In: 86.727 ± 28.594 $\chi^2/\text{NDF}: 30.7/24$

Out: 52.928 ± 27.093 $\chi^2/\text{NDF}: 19.3/28$

All: 68.917 ± 19.667 $\chi^2/\text{NDF}: 50.7/53$

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 206.569 $\pm$ 0.187 χ^2/NDF : 455.7/1

Left Out: 112.668 $\pm$ 0.019 χ^2/NDF :1851455.7/24

Right Out: 211.469 $\pm$ 0.117 χ^2/NDF : 398026.7/3

Left In: 116.108 $\pm$ 0.020 χ^2/NDF :1438879.3/22

Left: 114.308 $\pm$ 0.014 χ^2/NDF : 3305297.3/47

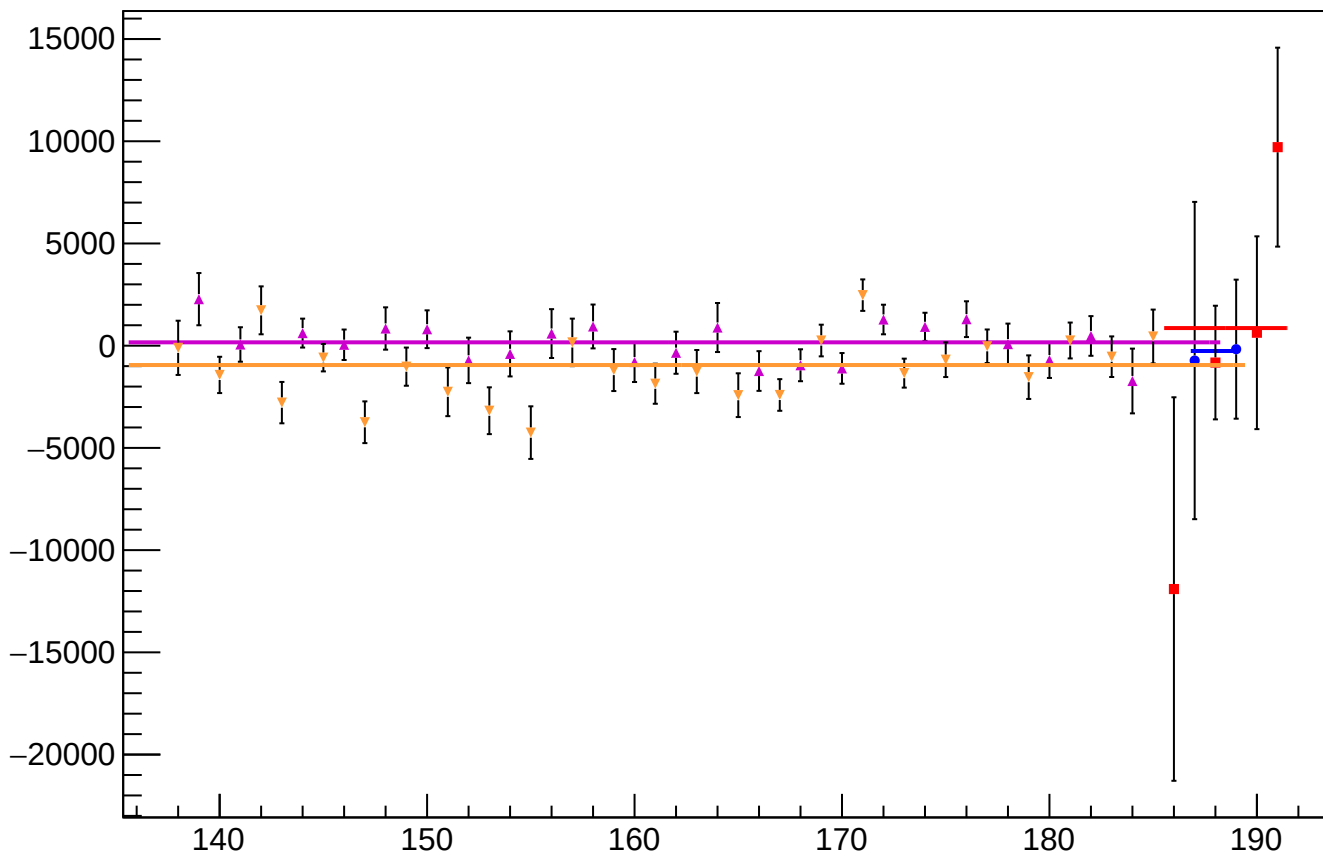
Right: 210.081 $\pm$ 0.099 χ^2/NDF : 398977.0/5

In: 117.171 $\pm$ 0.020 χ^2/NDF :1671770.1/24

Out: 115.306 $\pm$ 0.019 χ^2/NDF :2940656.1/28

All: 116.188 $\pm$ 0.014 χ^2/NDF : 4616908.0/53

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



Right In: -259.977 ± 3114.737 $\chi^2/\text{NDF}: 0.0/1$

Left Out: -946.412 ± 188.668 $\chi^2/\text{NDF}: 63.3/24$

Right Out: 862.132 ± 2094.204 $\chi^2/\text{NDF}: 5.5/3$

Left In: 164.202 ± 191.131 $\chi^2/\text{NDF}: 22.0/22$

Left: -398.306 ± 134.271 $\chi^2/\text{NDF}: 102.4/47$

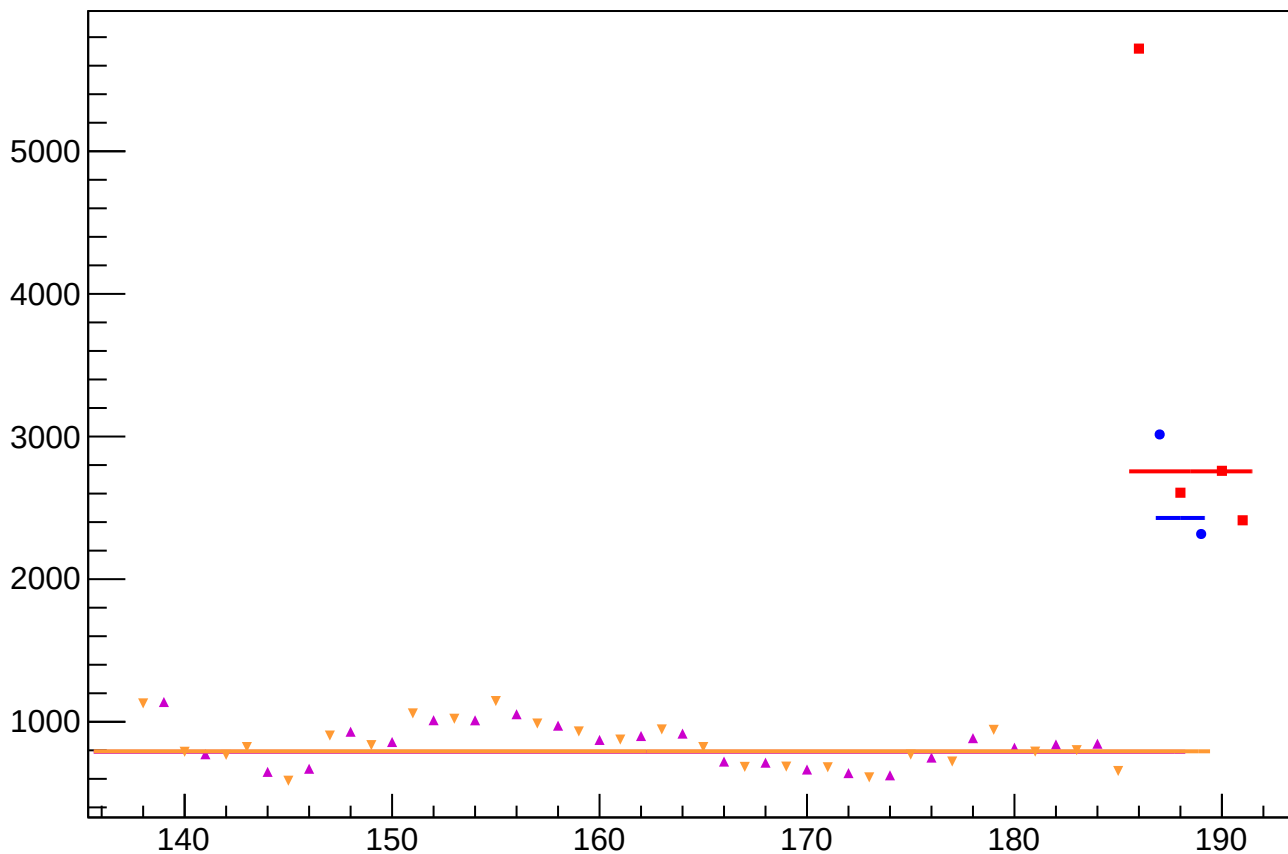
Right: 512.794 ± 1737.908 $\chi^2/\text{NDF}: 5.6/5$

In: 162.610 ± 190.772 $\chi^2/\text{NDF}: 22.1/24$

Out: -931.852 ± 187.907 $\chi^2/\text{NDF}: 69.6/28$

All: -392.900 ± 133.872 $\chi^2/\text{NDF}: 108.3/53$

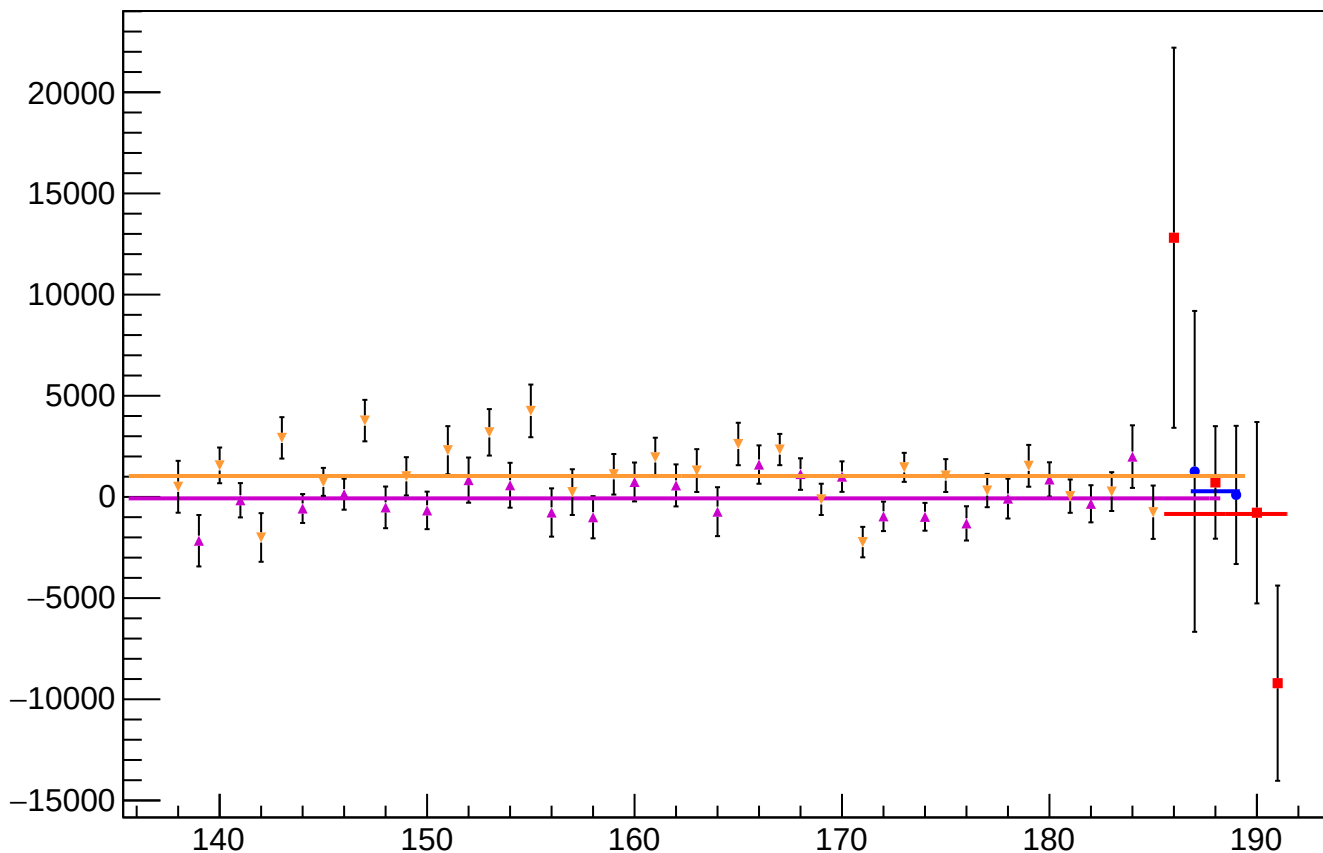
asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



Right In: 2429.118 $\pm$ 2.202 χ^2/NDF : 13571.3/1
 Left Out: 793.154 $\pm$ 0.133 χ^2/NDF : 1158856.1/24
 Right Out: 2755.766 $\pm$ 1.481 χ^2/NDF : 215425.9/3
 Left In: 789.699 $\pm$ 0.135 χ^2/NDF : 1019959.0/22

Left: 791.449 $\pm$ 0.095 χ^2/NDF : 2179146.2/47
 Right: 2654.073 $\pm$ 1.229 χ^2/NDF : 244145.4/5
 In: 795.849 $\pm$ 0.135 χ^2/NDF : 1585525.3/24
 Out: 808.955 $\pm$ 0.133 χ^2/NDF : 3116690.6/28
 All: 802.501 $\pm$ 0.095 χ^2/NDF : 4707007.3/53

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 281.028 $\pm$ 3136.701 χ^2 /NDF: 0.0/1

Left Out: 1035.605 $\pm$ 187.244 χ^2 /NDF:61.4/24

Right Out: -841.309 $\pm$ 2070.009 χ^2 /NDF: 5.4/3

Left In: -70.852 $\pm$ 190.155 χ^2 /NDF:23.4/22

Left: 490.913 $\pm$ 133.419 χ^2 /NDF: 101.9/47

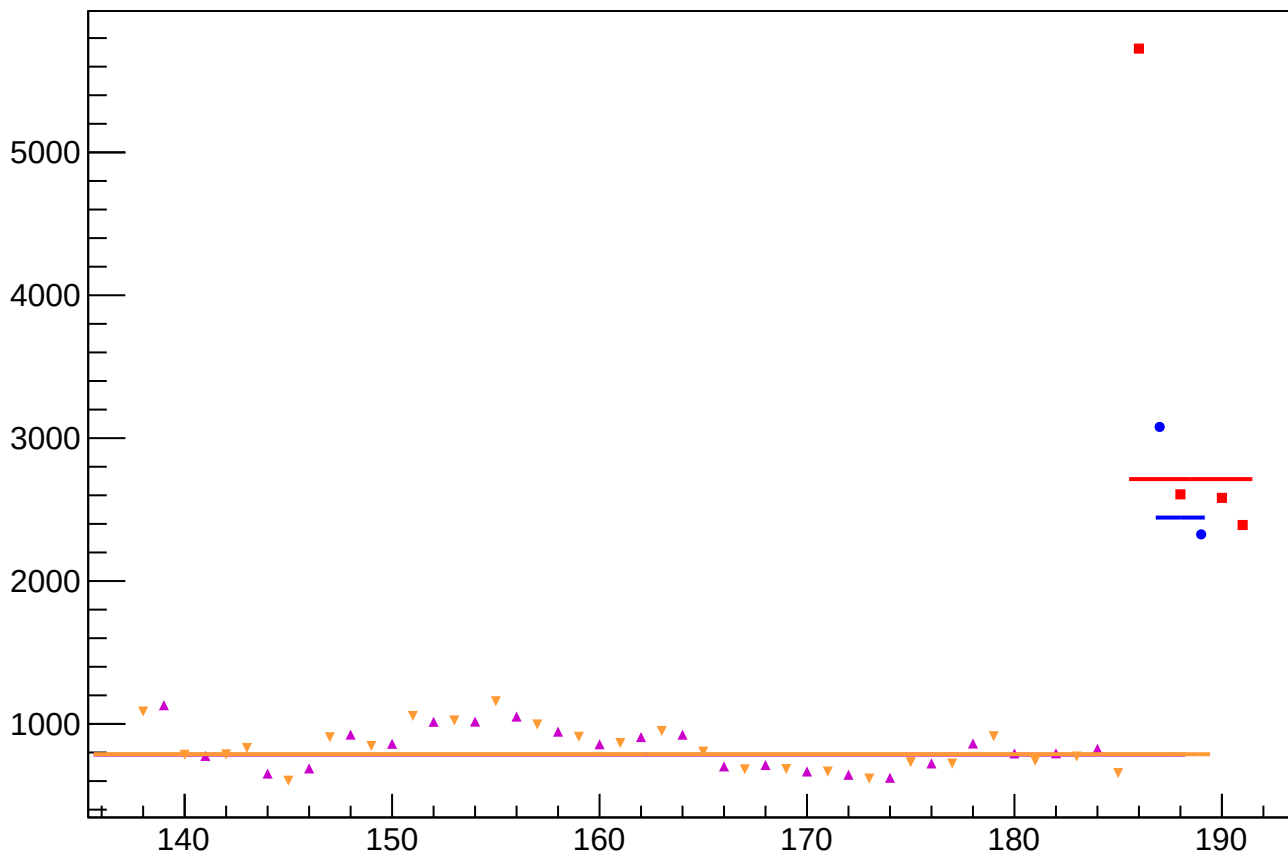
Right: -500.810 $\pm$ 1727.703 χ^2 /NDF: 5.5/5

In: -69.563 $\pm$ 189.807 χ^2 /NDF:23.4/24

Out: 1020.372 $\pm$ 186.482 χ^2 /NDF:67.6/28

All: 485.034 $\pm$ 133.023 χ^2 /NDF: 107.8/53

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 2444.230+/-2.218 χ^2/NDF : 15169.7/1

Left Out: 787.981+/-0.132 χ^2/NDF : 1113986.0/24

Right Out: 2713.474+/-1.464 χ^2/NDF : 219258.5/3

Left In: 785.179+/-0.134 χ^2/NDF : 976942.0/22

Left: 786.602+/-0.094 χ^2/NDF : 2091148.6/47

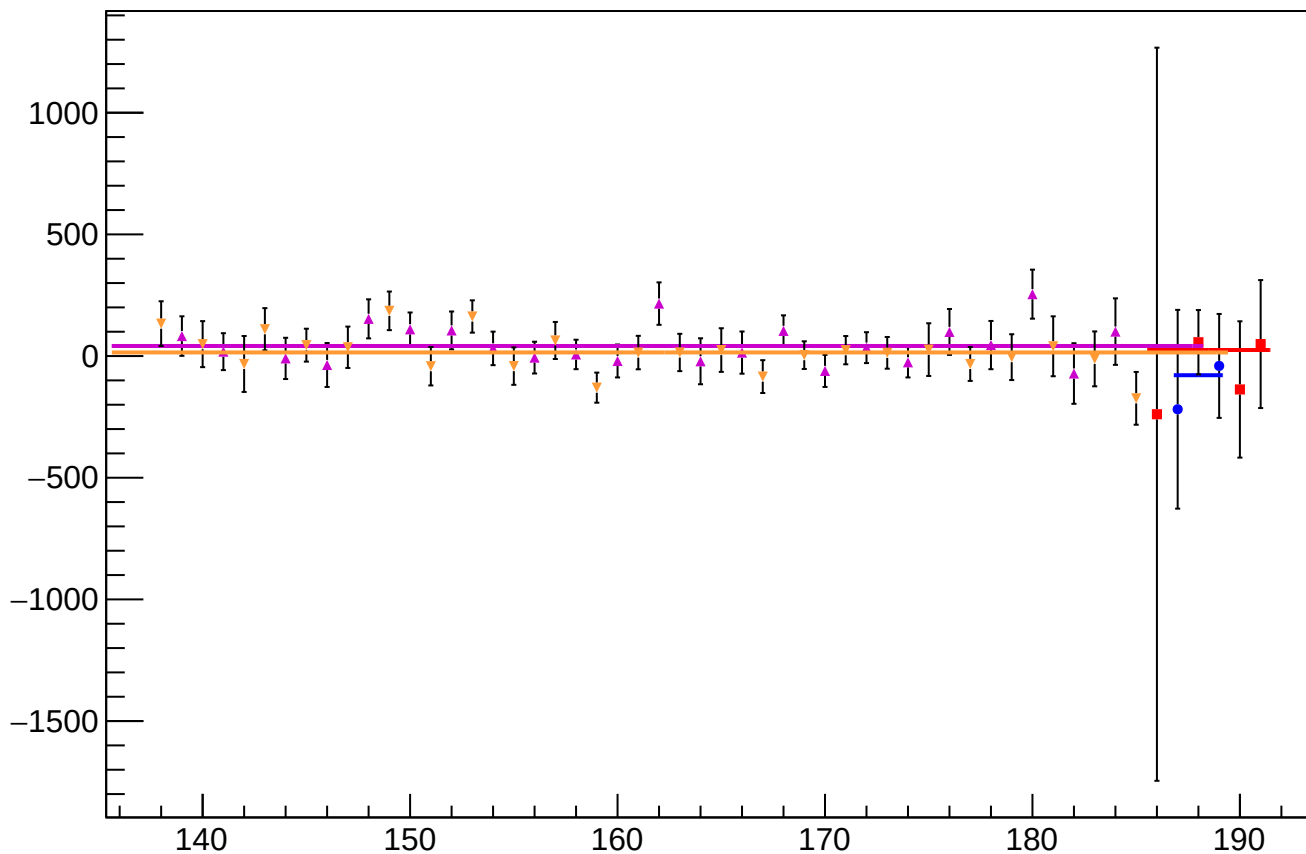
Right: 2631.790+/-1.222 χ^2/NDF : 244693.4/5

In: 791.254+/-0.134 χ^2/NDF : 1549567.1/24

Out: 803.608+/-0.132 χ^2/NDF : 3049690.0/28

All: 797.540+/-0.094 χ^2/NDF : 4603568.4/53

dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: -78.721 ± 189.247 χ^2/NDF : 0.1/1

Left Out: 14.879 ± 15.529 χ^2/NDF : 25.8/24

Right Out: 24.896 ± 108.581 χ^2/NDF : 0.4/3

Left In: 41.428 ± 16.130 χ^2/NDF : 21.7/22

Left: 27.650 ± 11.187 χ^2/NDF : 48.9/47

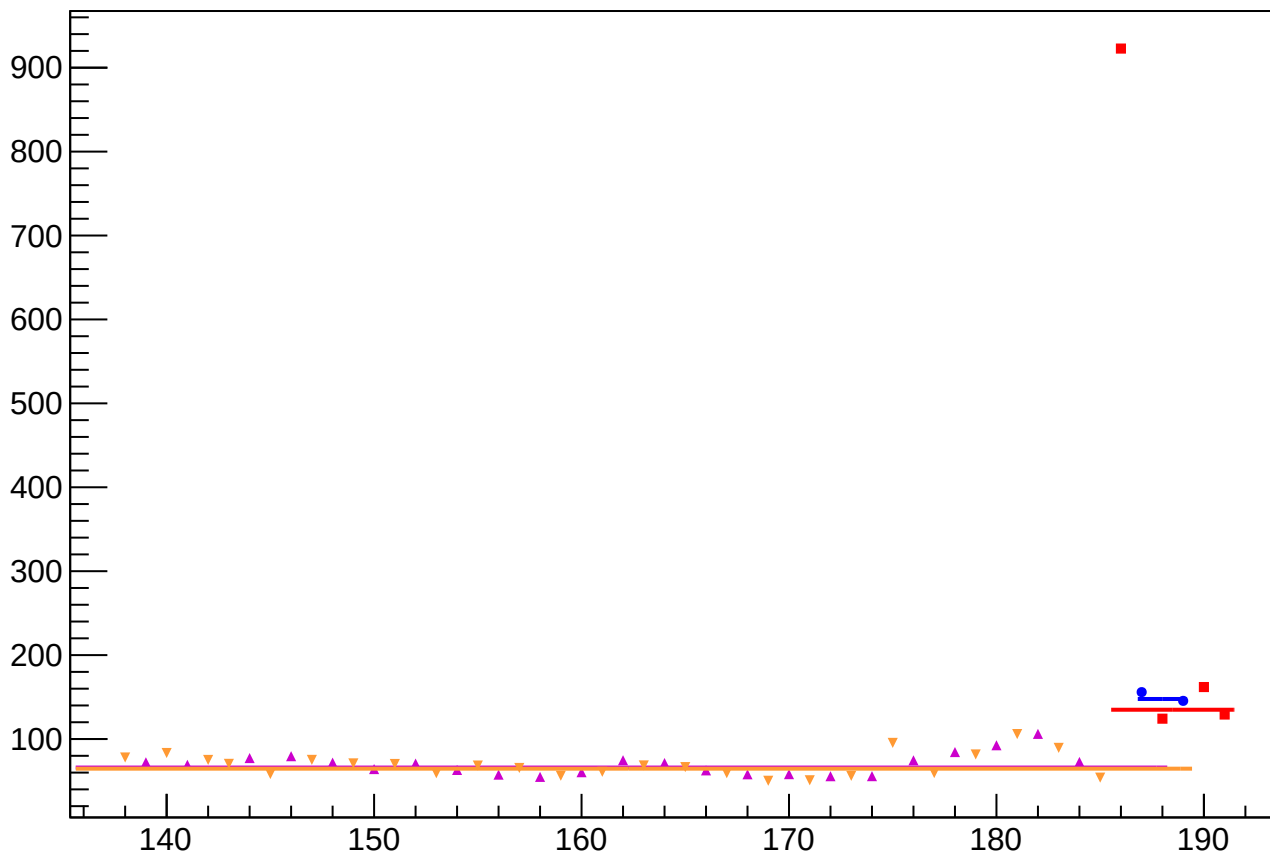
Right: -0.766 ± 94.180 χ^2/NDF : 0.8/5

In: 40.562 ± 16.072 χ^2/NDF : 22.2/24

Out: 15.080 ± 15.373 χ^2/NDF : 26.3/28

All: 27.254 ± 11.109 χ^2/NDF : 49.8/53

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 147.718 $\pm$ 0.134 χ^2 /NDF: 1018.9/1

Left Out: 64.680 $\pm$ 0.011 χ^2 /NDF:1150386.4/24

Right Out: 134.903 $\pm$ 0.077 χ^2 /NDF: 579686.9/3

Left In: 66.016 $\pm$ 0.011 χ^2 /NDF:868433.2/22

Left: 65.322 $\pm$ 0.008 χ^2 /NDF: 2025941.7/47

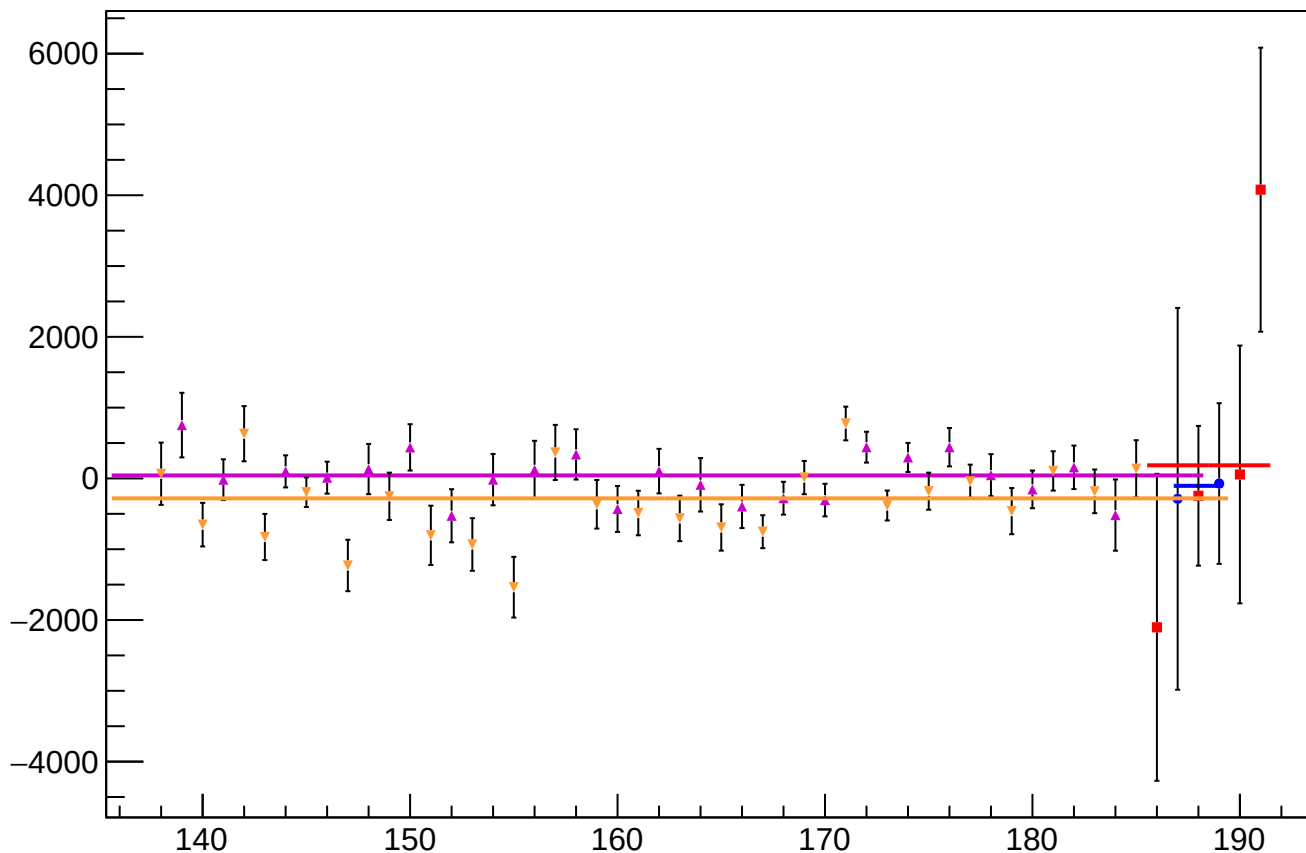
Right: 138.076 $\pm$ 0.067 χ^2 /NDF: 587605.4/5

In: 66.605 $\pm$ 0.011 χ^2 /NDF:1239527.3/24

Out: 66.087 $\pm$ 0.011 χ^2 /NDF:2549832.5/28

All: 66.335 $\pm$ 0.008 χ^2 /NDF: 3790443.9/53

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: -104.651+/-1046.011 χ^2/NDF : 0.0/1

Left Out: -281.407+/-59.534 χ^2/NDF :66.5/24

Right Out: 185.323+/-747.527 χ^2/NDF : 5.1/3

Left In: 42.368+/-60.284 χ^2/NDF :24.7/22

Left: -121.547+/-42.360 χ^2/NDF : 105.8/47

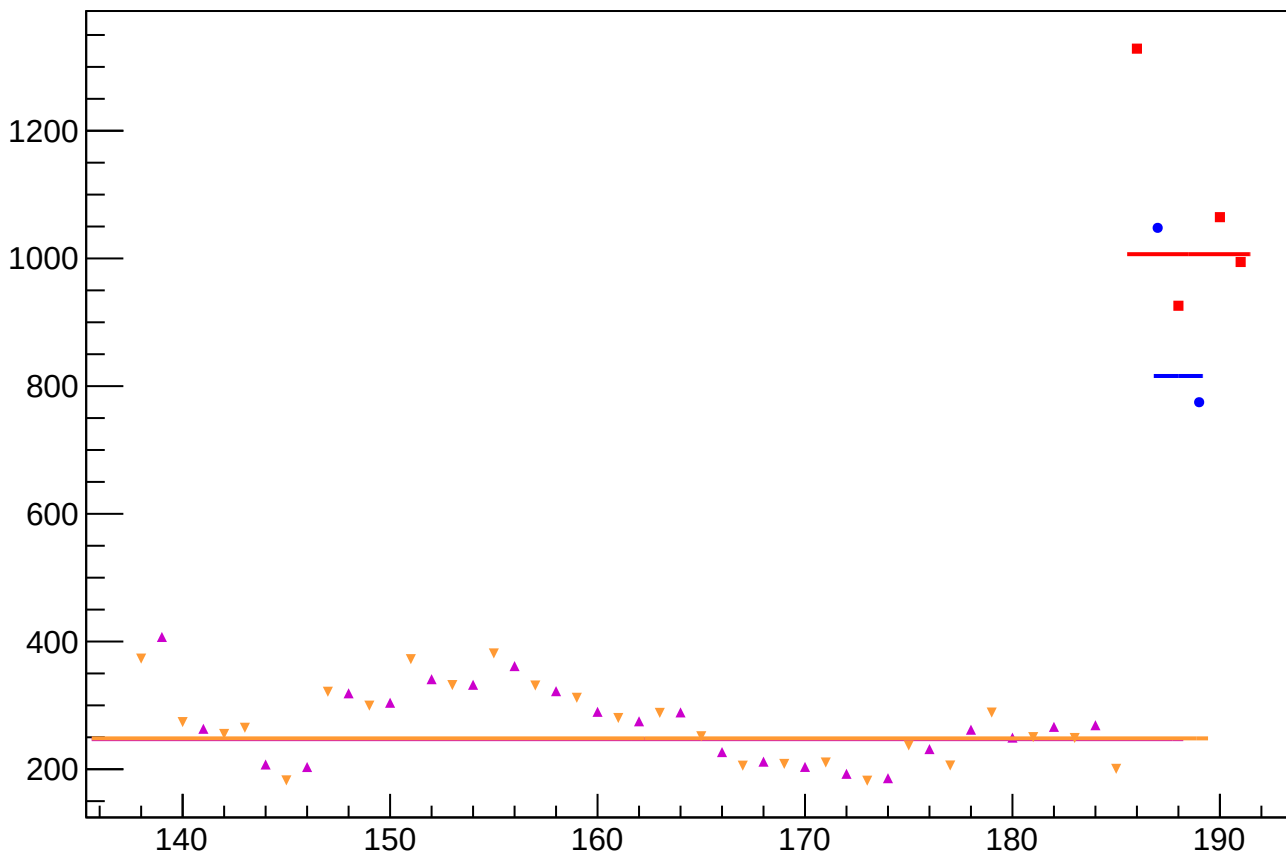
Right: 87.294+/-608.184 χ^2/NDF : 5.1/5

In: 41.881+/-60.184 χ^2/NDF :24.7/24

Out: -278.465+/-59.346 χ^2/NDF :71.9/28

All: -120.538+/-42.257 χ^2/NDF : 111.0/53

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



Right In: 815.899+/-0.740 χ^2/NDF : 17427.5/1

Left Out: 248.297+/-0.042 χ^2/NDF :1687698.9/24

Right Out: 1006.682+/-0.529 χ^2/NDF : 59594.0/3

Left In: 247.105+/-0.043 χ^2/NDF :1539330.1/22

Left: 247.709+/-0.030 χ^2/NDF : 3227424.3/47

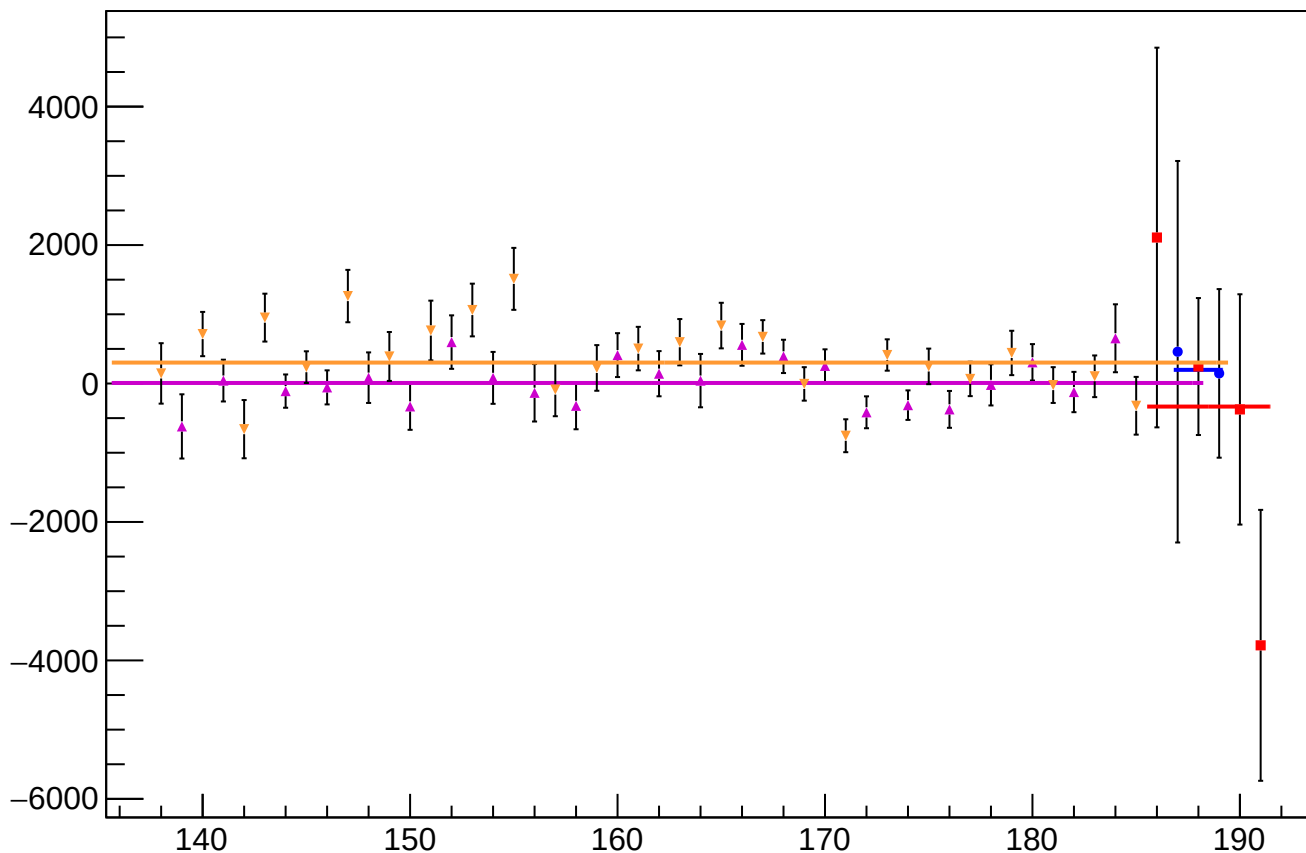
Right: 942.186+/-0.430 χ^2/NDF : 121062.1/5

In: 248.988+/-0.043 χ^2/NDF :2146180.6/24

Out: 253.077+/-0.042 χ^2/NDF :3792842.3/28

All: 251.061+/-0.030 χ^2/NDF : 5943701.7/53

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 197.403 ± 1113.925 $\chi^2/\text{NDF}: 0.0/1$

Left Out: 302.420 ± 60.991 $\chi^2/\text{NDF}: 63.8/24$

Right Out: -333.095 ± 750.114 $\chi^2/\text{NDF}: 4.2/3$

Left In: 7.915 ± 61.726 $\chi^2/\text{NDF}: 26.3/22$

Left: 156.931 ± 43.384 $\chi^2/\text{NDF}: 101.6/47$

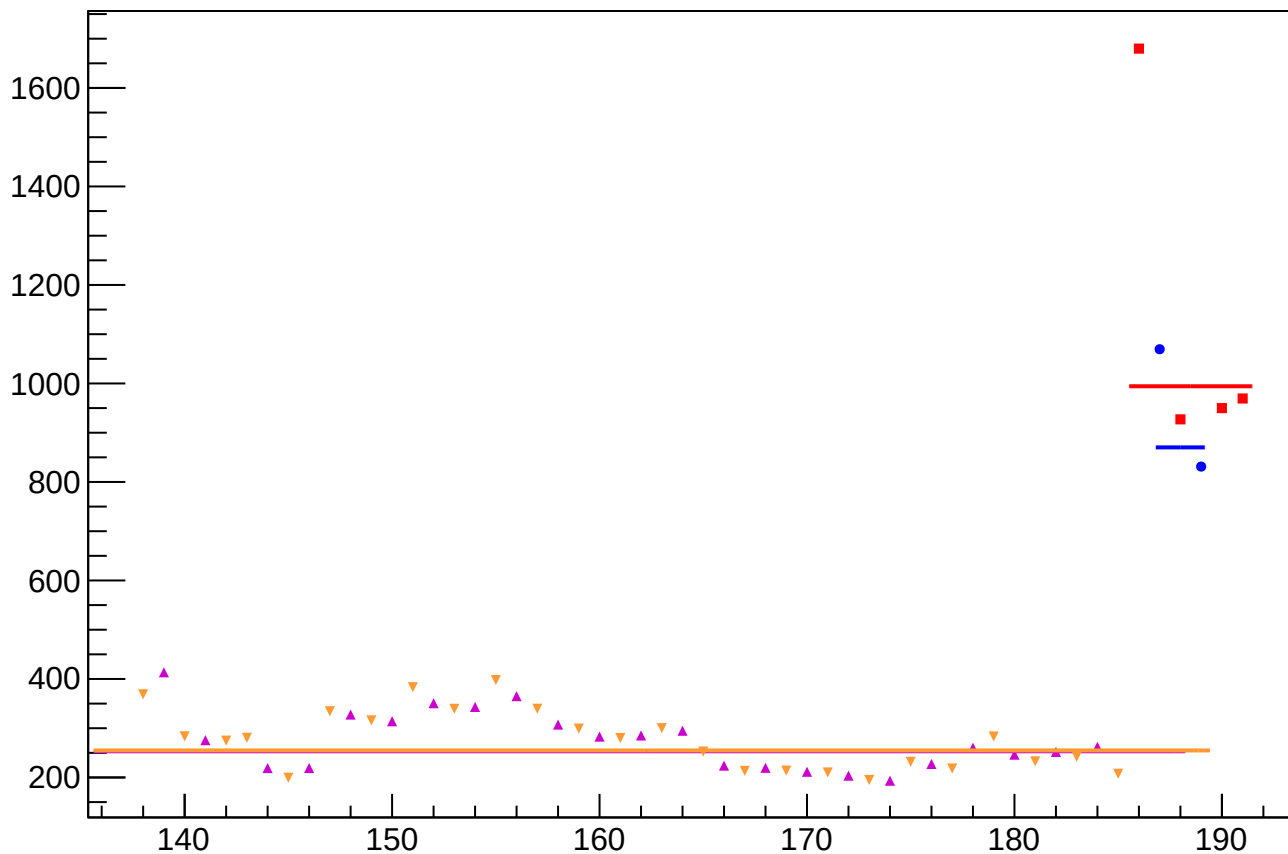
Right: -167.586 ± 622.193 $\chi^2/\text{NDF}: 4.4/5$

In: 8.495 ± 61.631 $\chi^2/\text{NDF}: 26.3/24$

Out: 298.246 ± 60.790 $\chi^2/\text{NDF}: 68.8/28$

All: 155.361 ± 43.279 $\chi^2/\text{NDF}: 106.3/53$

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 870.176+/-0.788 χ^2/NDF : 12510.1/1

Left Out: 254.937+/-0.043 χ^2/NDF : 1541708.7/24

Right Out: 994.294+/-0.530 χ^2/NDF : 135946.6/3

Left In: 253.170+/-0.044 χ^2/NDF : 1366527.6/22

Left: 254.064+/-0.031 χ^2/NDF : 2909065.8/47

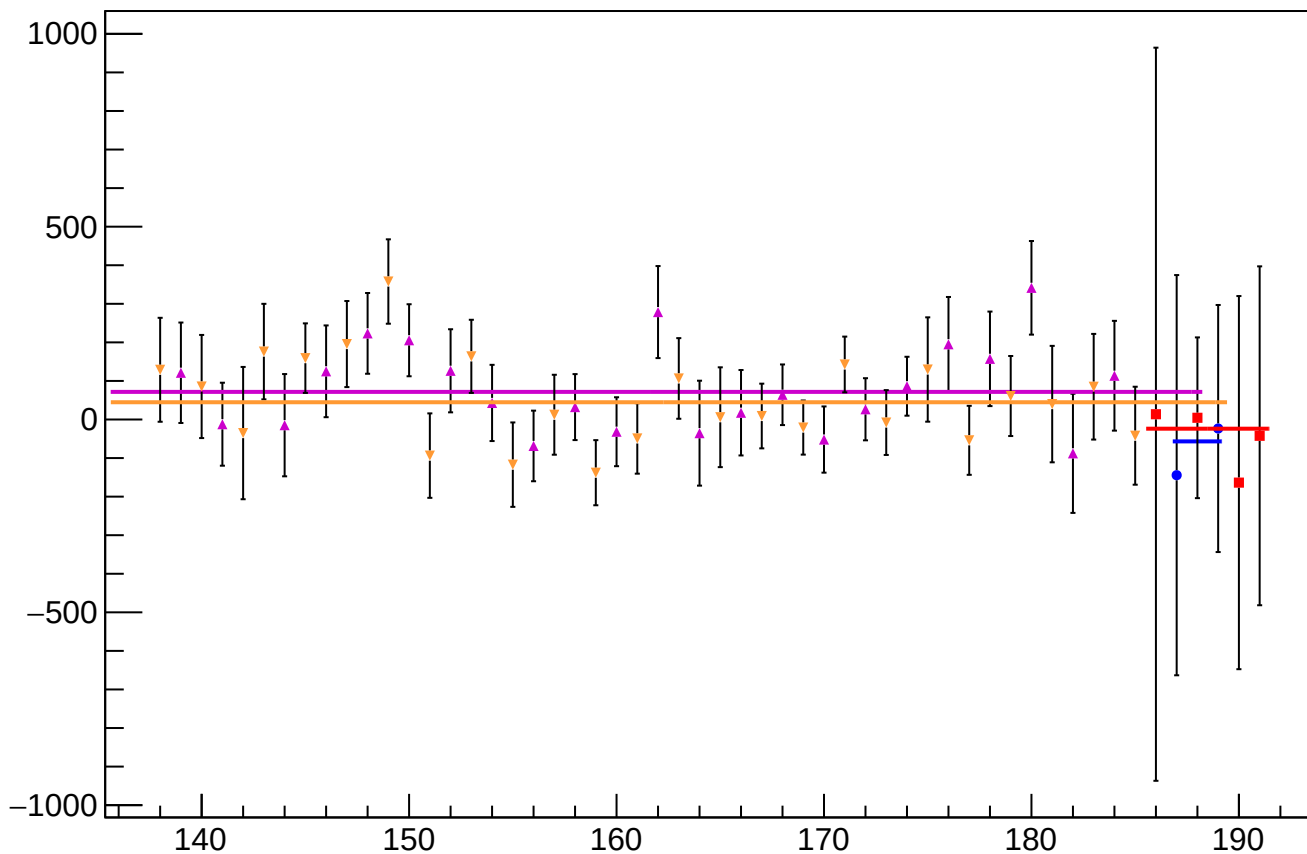
Right: 955.571+/-0.440 χ^2/NDF : 165540.5/5

In: 255.059+/-0.044 χ^2/NDF : 1990775.4/24

Out: 259.793+/-0.043 χ^2/NDF : 3607942.0/28

All: 257.459+/-0.031 χ^2/NDF : 5604699.4/53

dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: -56.761 $\pm$ 272.577 χ^2 /NDF: 0.0/1

Left Out: 44.746 $\pm$ 20.460 χ^2 /NDF:30.5/24

Right Out: -23.826 $\pm$ 172.567 χ^2 /NDF: 0.1/3

Left In: 71.620 $\pm$ 21.469 χ^2 /NDF:23.7/22

Left: 57.537 $\pm$ 14.811 χ^2 /NDF: 55.0/47

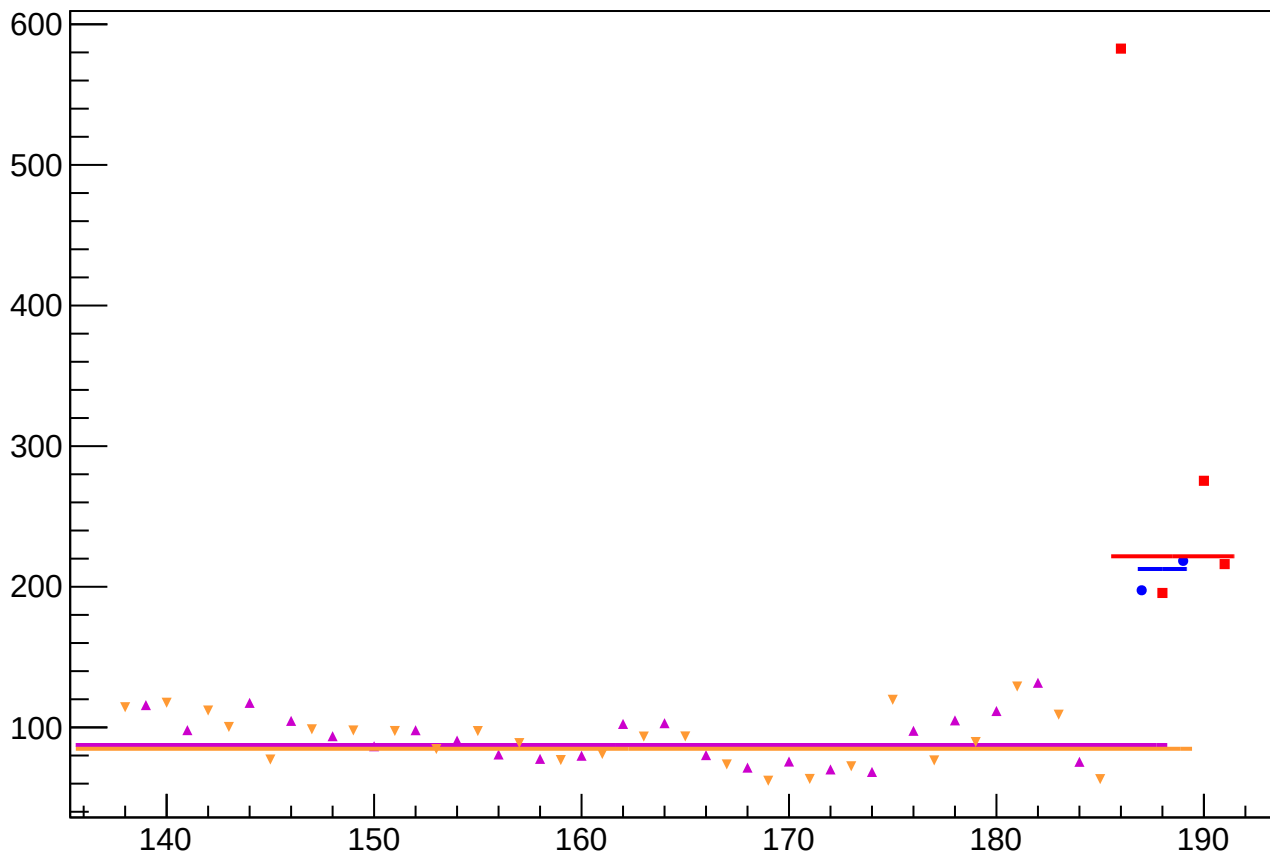
Right: -33.250 $\pm$ 145.804 χ^2 /NDF: 0.2/5

In: 70.829 $\pm$ 21.402 χ^2 /NDF:23.9/24

Out: 43.795 $\pm$ 20.317 χ^2 /NDF:30.8/28

All: 56.609 $\pm$ 14.735 χ^2 /NDF: 55.6/53

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 212.645 $\pm$ 0.193 χ^2 /NDF: 2350.5/1

Left Out: 84.793 $\pm$ 0.014 χ^2 /NDF:1382881.3/24

Right Out: 221.670 $\pm$ 0.122 χ^2 /NDF: 344814.2/3

Left In: 87.477 $\pm$ 0.015 χ^2 /NDF:1056450.2/22

Left: 86.070 $\pm$ 0.010 χ^2 /NDF: 2455720.1/47

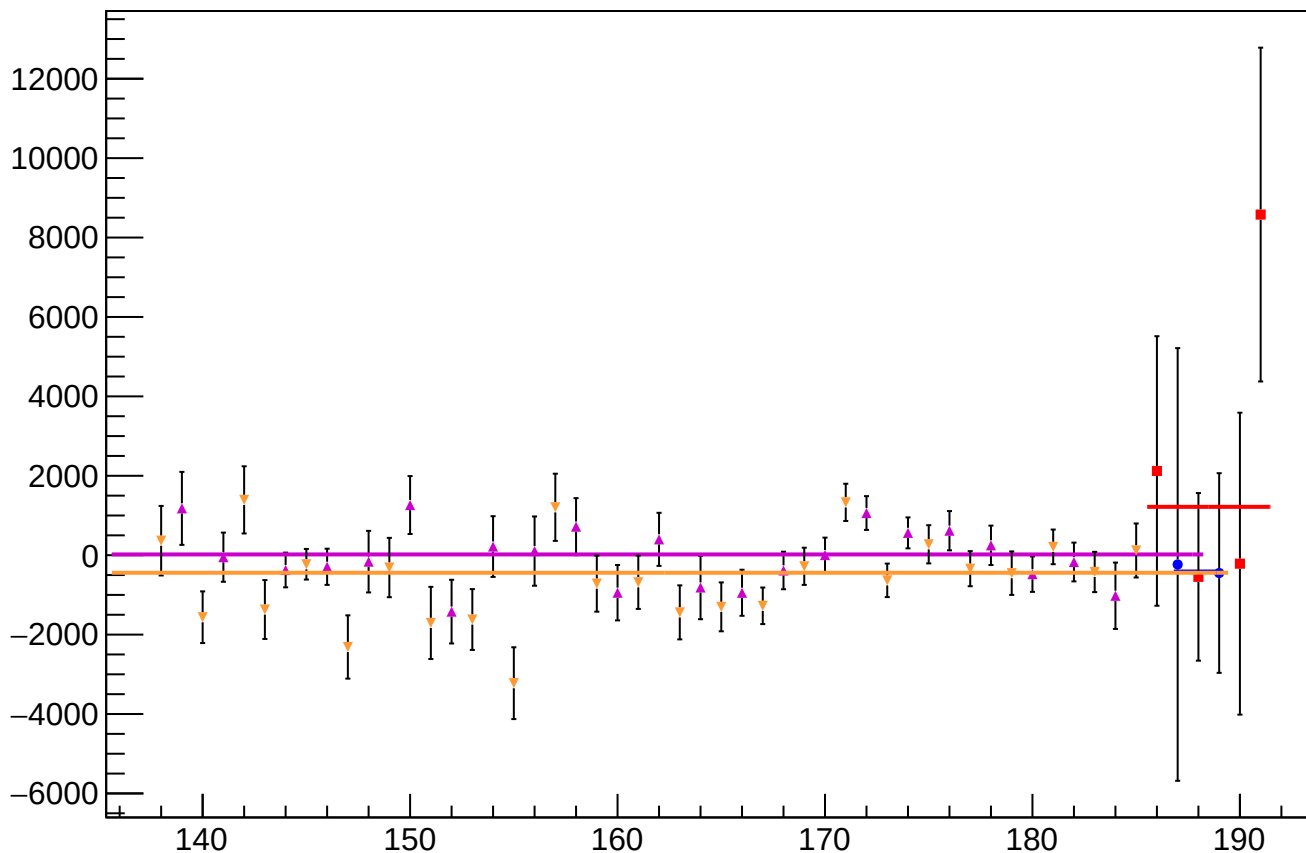
Right: 219.088 $\pm$ 0.103 χ^2 /NDF: 348730.0/5

In: 88.249 $\pm$ 0.015 χ^2 /NDF:1477935.2/24

Out: 86.690 $\pm$ 0.014 χ^2 /NDF:2968538.5/28

All: 87.429 $\pm$ 0.010 χ^2 /NDF: 4452054.8/53

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



Right In: -410.975+/-2282.950 χ^2/NDF : 0.0/1

Left Out: -442.284+/-115.425 χ^2/NDF :60.9/24

Right Out: 1218.031+/-1512.571 χ^2/NDF : 4.0/3

Left In: 19.322+/-116.820 χ^2/NDF :29.5/22

Left: -214.255+/-82.107 χ^2/NDF : 98.3/47

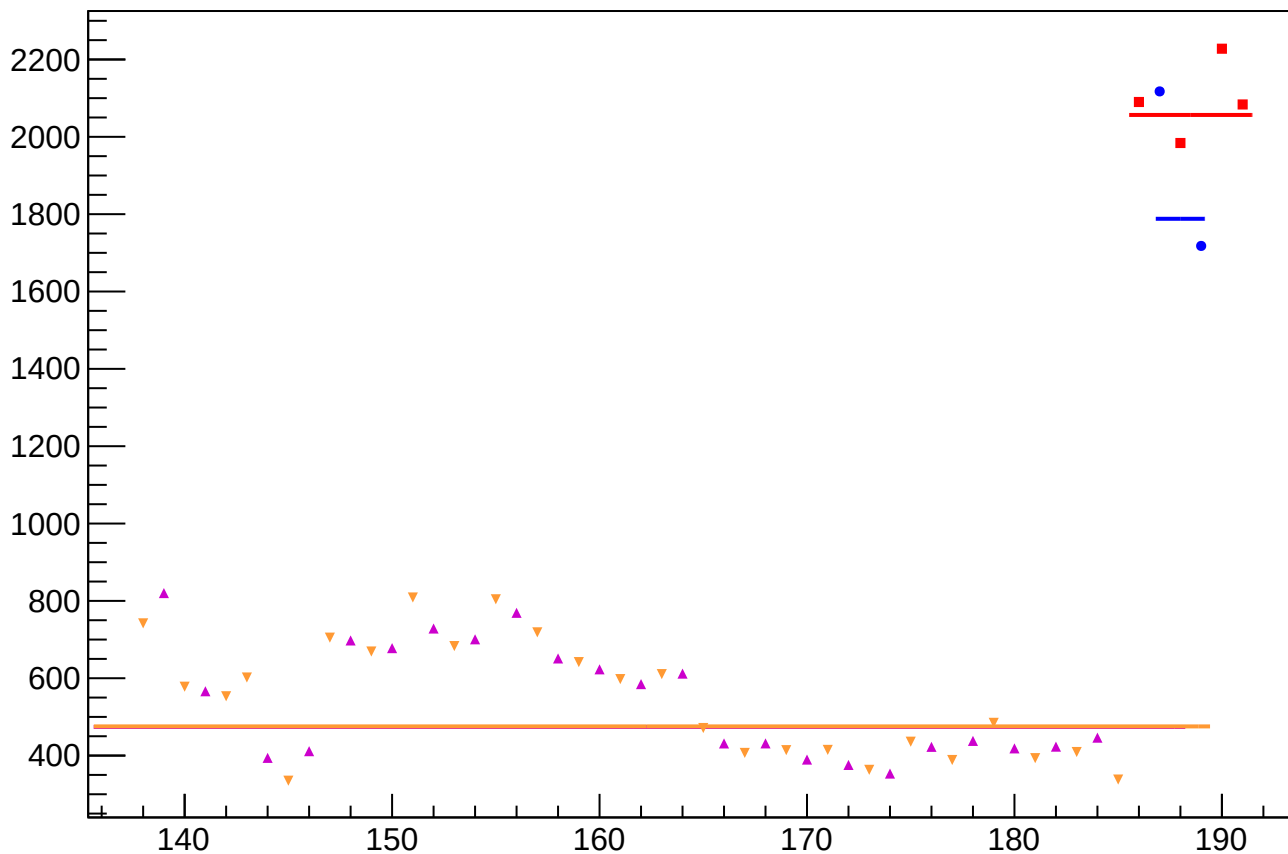
Right: 721.086+/-1260.925 χ^2/NDF : 4.3/5

In: 18.198+/-116.668 χ^2/NDF :29.5/24

Out: -432.672+/-115.090 χ^2/NDF :66.1/28

All: -210.306+/-81.933 χ^2/NDF : 103.2/53

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



Right In: 1788.056+/-1.614 χ^2/NDF : 8868.1/1

Left Out: 475.415+/-0.082 χ^2/NDF :2509706.1/24

Right Out: 2056.583+/-1.070 χ^2/NDF : 6699.9/3

Left In: 473.947+/-0.083 χ^2/NDF :2174476.6/22

Left: 474.690+/-0.058 χ^2/NDF : 4684342.6/47

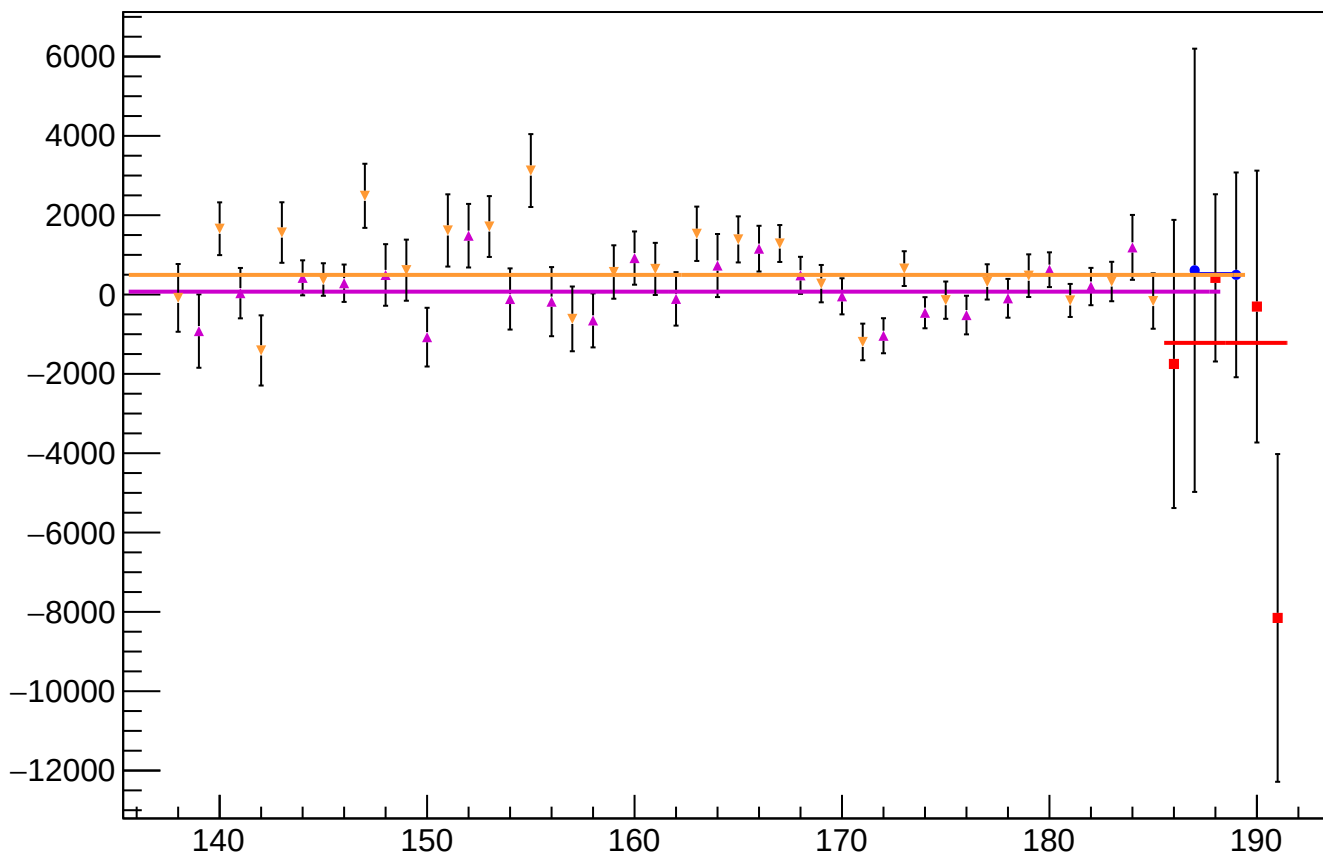
Right: 1974.666+/-0.892 χ^2/NDF : 34797.2/5

In: 477.379+/-0.082 χ^2/NDF :2844288.5/24

Out: 484.570+/-0.081 χ^2/NDF :4689271.3/28

All: 481.023+/-0.058 χ^2/NDF : 7537410.5/53

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 516.559 $\pm$ 2343.083 χ^2 /NDF: 0.0/1

Left Out: 495.259 $\pm$ 115.521 χ^2 /NDF:57.2/24

Right Out: -1218.252 $\pm$ 1499.773 χ^2 /NDF: 3.5/3

Left In: 72.627 $\pm$ 116.927 χ^2 /NDF:29.1/22

Left: 286.499 $\pm$ 82.178 χ^2 /NDF: 92.8/47

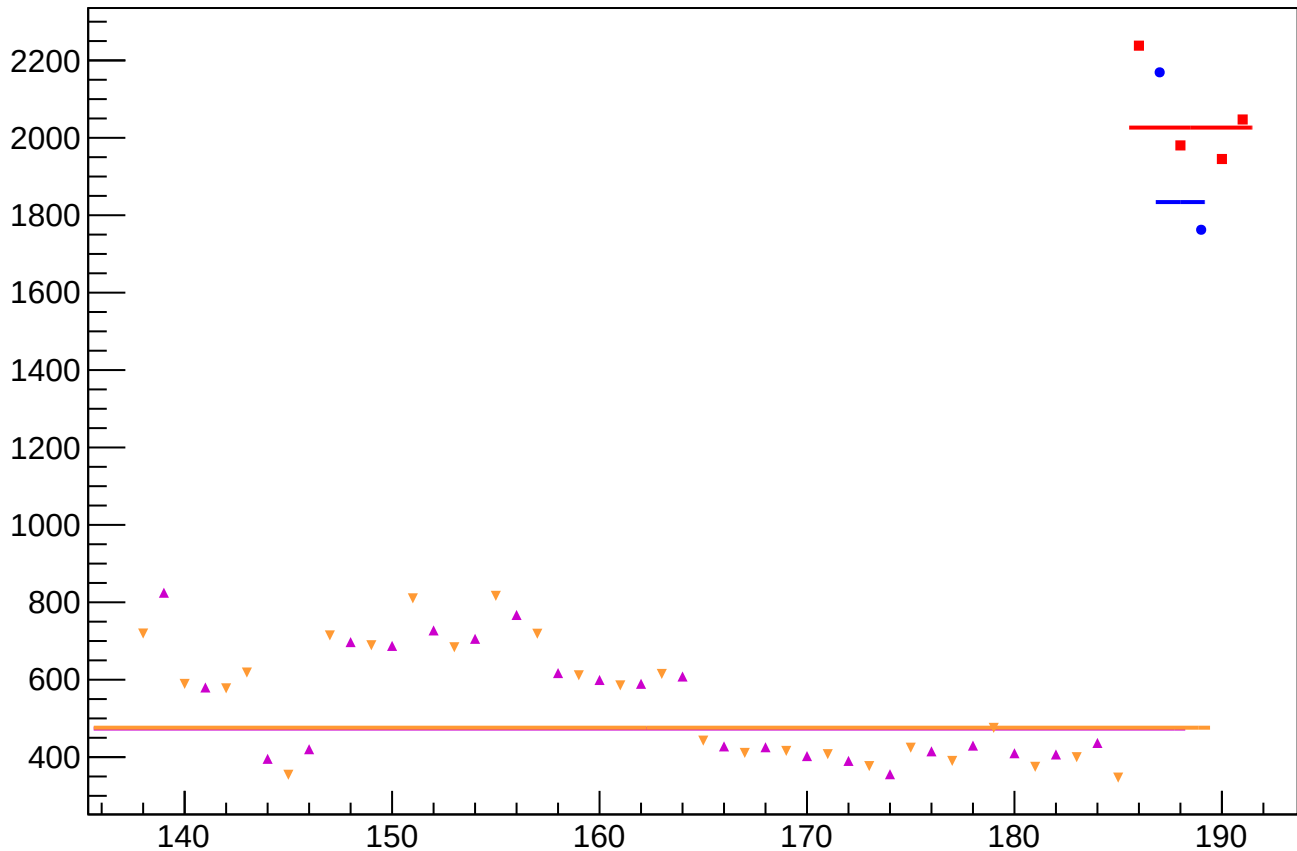
Right: -714.058 $\pm$ 1263.167 χ^2 /NDF: 3.9/5

In: 73.730 $\pm$ 116.782 χ^2 /NDF:29.1/24

Out: 485.153 $\pm$ 115.180 χ^2 /NDF:62.0/28

All: 282.282 $\pm$ 82.005 χ^2 /NDF: 97.4/53

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1834.018 $\pm$ 1.657 χ^2 /NDF: 8734.9/1

Left Out: 476.057 $\pm$ 0.082 χ^2 /NDF:2461838.6/24

Right Out: 2026.438 $\pm$ 1.060 χ^2 /NDF: 8918.8/3

Left In: 473.824 $\pm$ 0.083 χ^2 /NDF:2113753.1/22

Left: 474.954 $\pm$ 0.058 χ^2 /NDF: 4575960.9/47

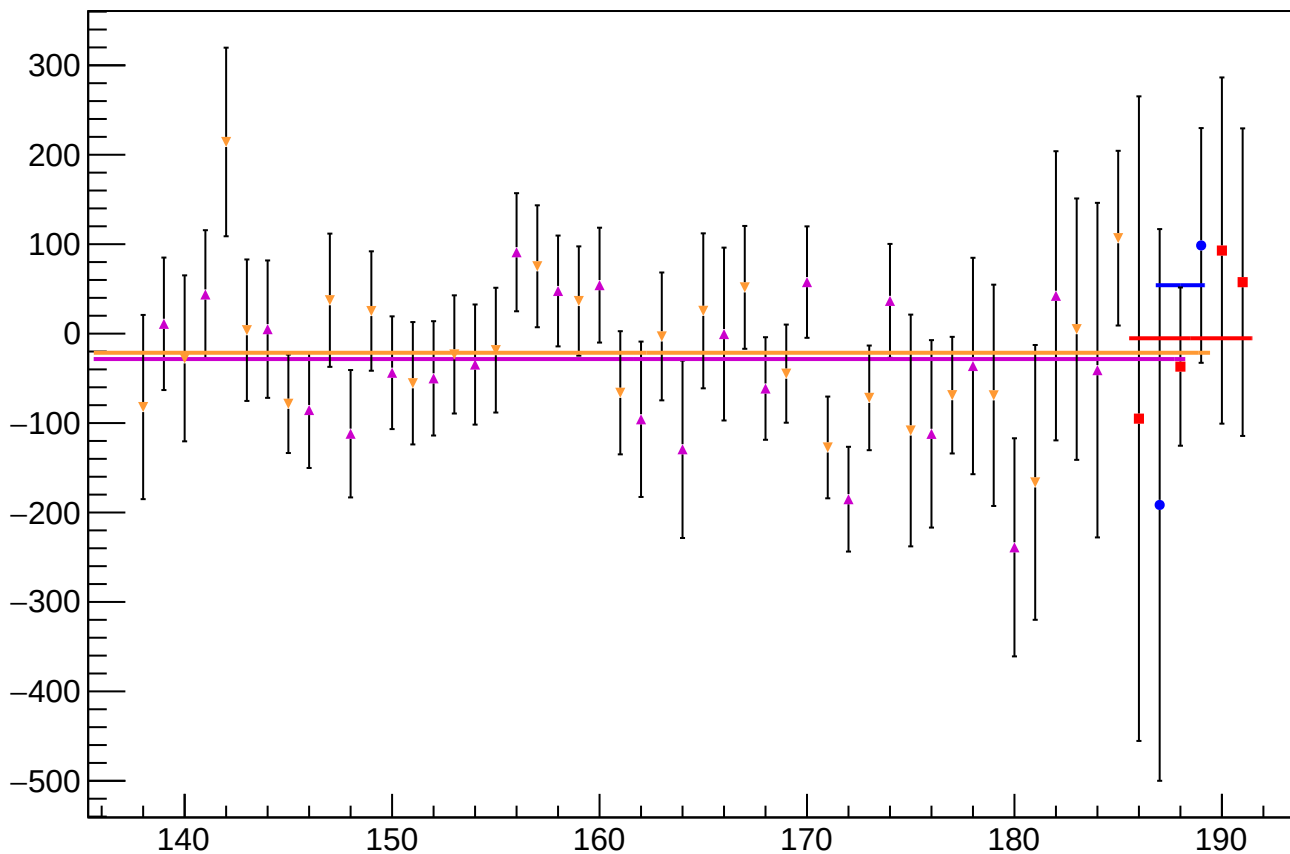
Right: 1970.515 $\pm$ 0.893 χ^2 /NDF: 27221.8/5

In: 477.203 $\pm$ 0.083 χ^2 /NDF:2794808.6/24

Out: 485.201 $\pm$ 0.081 χ^2 /NDF:4595404.6/28

All: 481.257 $\pm$ 0.058 χ^2 /NDF: 7394968.9/53

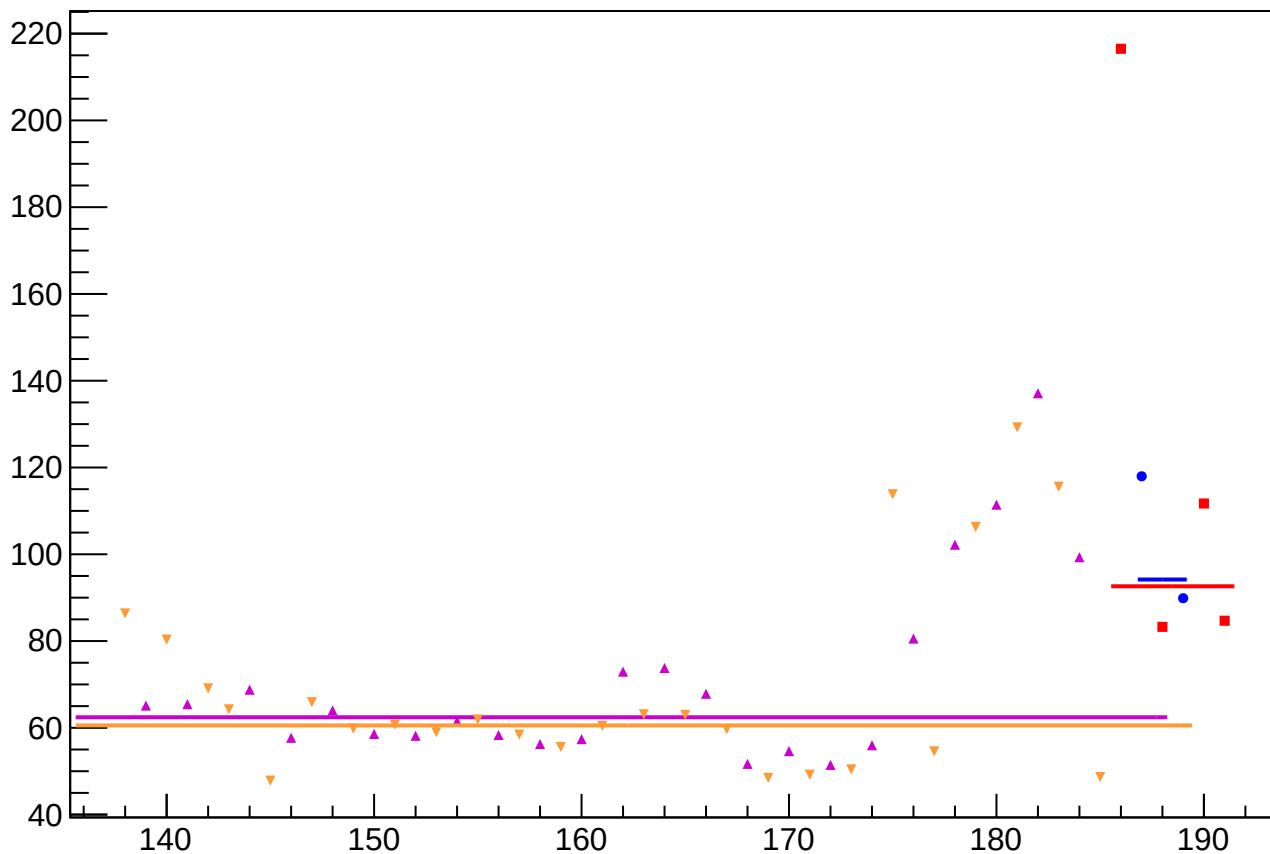
dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 54.125 $\pm$ 120.757 χ^2 /NDF: 0.7/1
 Left Out: -21.397 $\pm$ 14.800 χ^2 /NDF:20.9/24
 Right Out: -5.196 $\pm$ 71.430 χ^2 /NDF: 0.6/3
 Left In: -28.435 $\pm$ 15.494 χ^2 /NDF:26.2/22

Left: -24.755 $\pm$ 10.702 χ^2 /NDF: 47.2/47
 Right: 10.180 $\pm$ 61.479 χ^2 /NDF: 1.5/5
 In: -27.098 $\pm$ 15.368 χ^2 /NDF:27.4/24
 Out: -20.730 $\pm$ 14.492 χ^2 /NDF:21.5/28
 All: -23.727 $\pm$ 10.543 χ^2 /NDF: 49.0/53

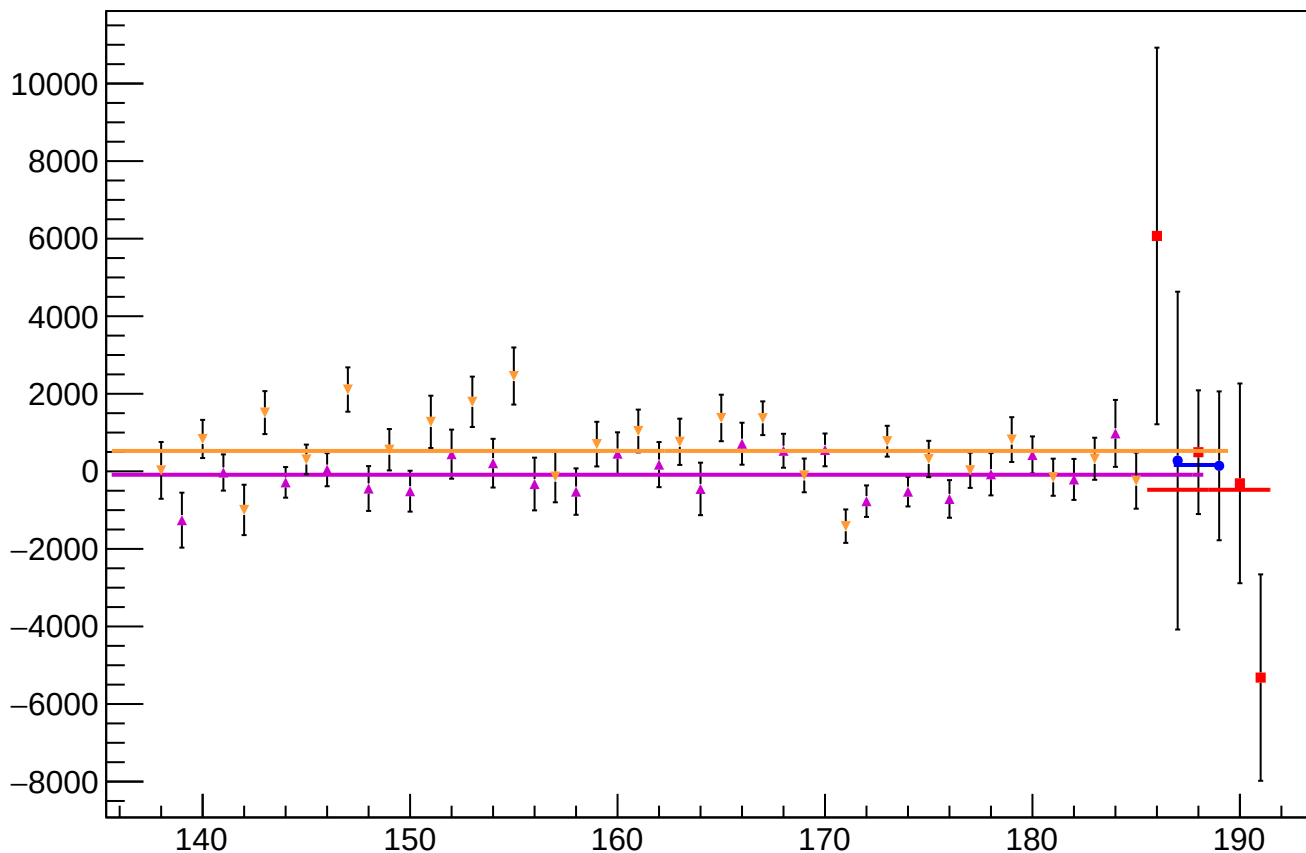
dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 94.181 $\pm$ 0.085 χ^2 /NDF: 14057.8/1
 Left Out: 60.551 $\pm$ 0.010 χ^2 /NDF:1951663.1/24
 Right Out: 92.623 $\pm$ 0.051 χ^2 /NDF: 282407.9/3
 Left In: 62.435 $\pm$ 0.011 χ^2 /NDF:1445748.2/22

Left: 61.450 $\pm$ 0.008 χ^2 /NDF: 3412871.1/47
 Right: 93.027 $\pm$ 0.043 χ^2 /NDF: 296712.3/5
 In: 62.949 $\pm$ 0.011 χ^2 /NDF:1595797.5/24
 Out: 61.871 $\pm$ 0.010 χ^2 /NDF:2620695.7/28
 All: 62.378 $\pm$ 0.007 χ^2 /NDF: 4221700.1/53

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 164.208 $\pm$ 1756.373 χ^2 /NDF: 0.0/1

Left Out: 526.705 $\pm$ 105.414 χ^2 /NDF:65.0/24

Right Out: -475.670 $\pm$ 1172.468 χ^2 /NDF: 5.5/3

Left In: -87.989 $\pm$ 106.843 χ^2 /NDF:22.1/22

Left: 223.494 $\pm$ 75.039 χ^2 /NDF: 103.9/47

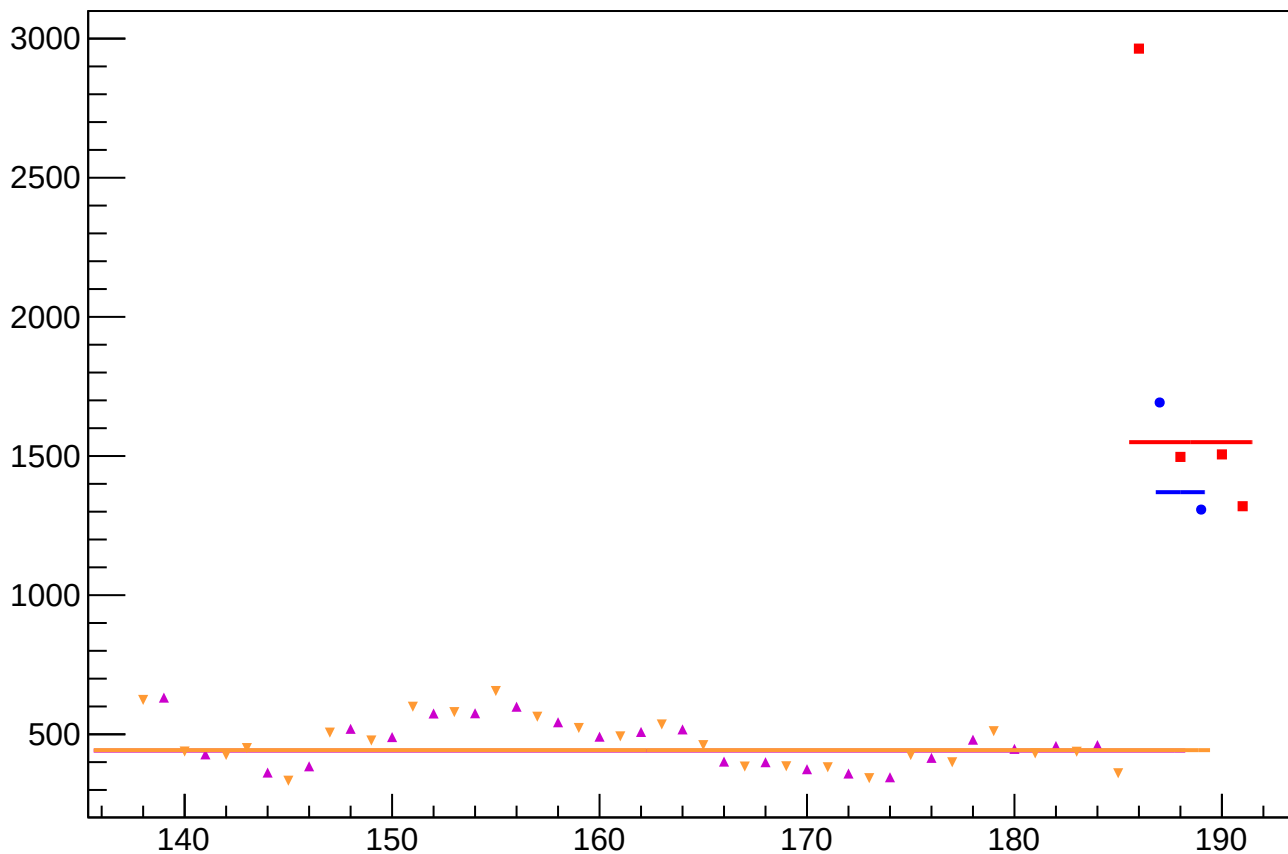
Right: -278.424 $\pm$ 975.154 χ^2 /NDF: 5.6/5

In: -87.059 $\pm$ 106.646 χ^2 /NDF:22.2/24

Out: 518.668 $\pm$ 104.991 χ^2 /NDF:71.2/28

All: 220.540 $\pm$ 74.818 χ^2 /NDF: 109.8/53

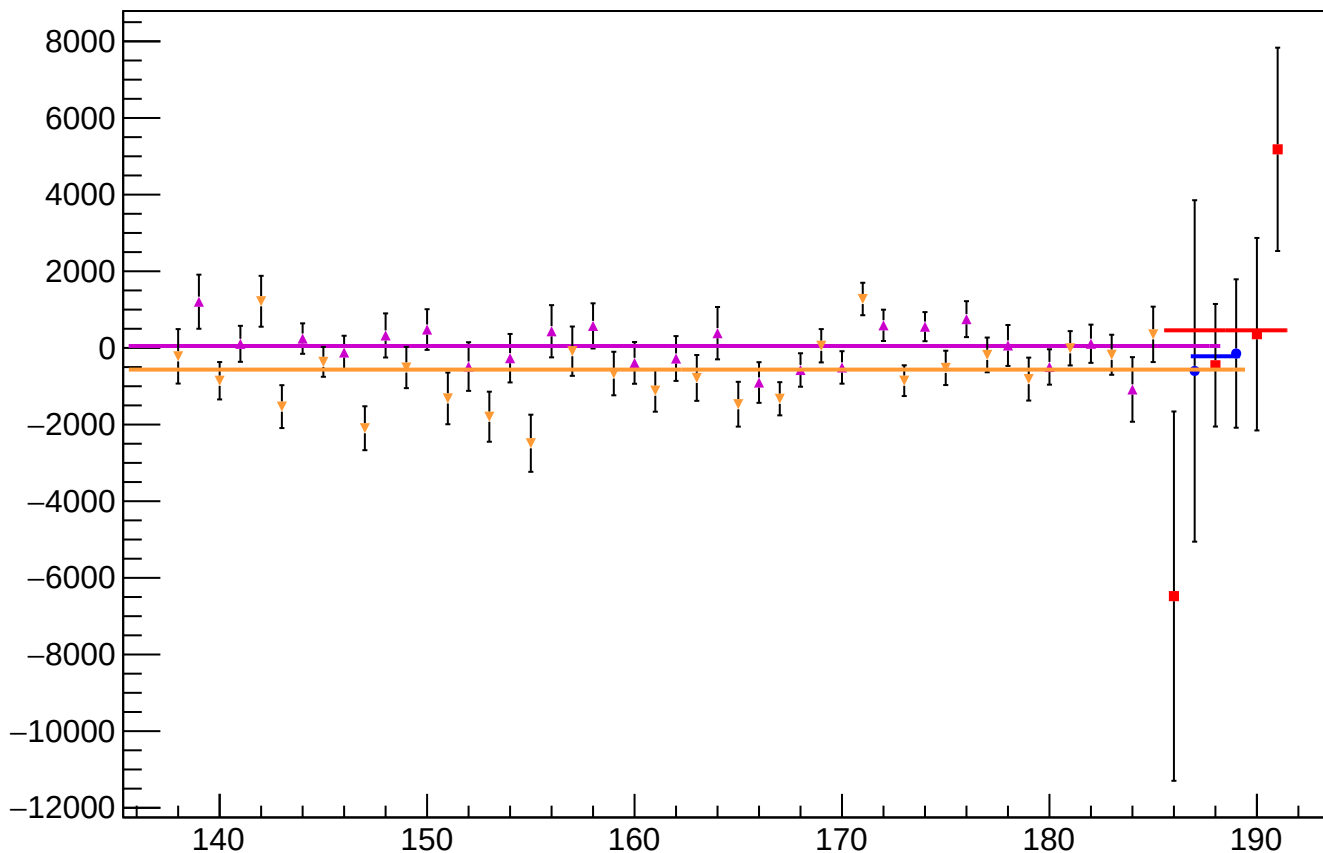
asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1370.089+/-1.242 χ^2/NDF : 13073.3/1
 Left Out: 443.031+/-0.075 χ^2/NDF : 1171662.6/24
 Right Out: 1549.826+/-0.829 χ^2/NDF : 187405.7/3
 Left In: 441.359+/-0.076 χ^2/NDF : 1035839.5/22

Left: 442.206+/-0.053 χ^2/NDF : 2207750.3/47
 Right: 1494.421+/-0.690 χ^2/NDF : 214967.2/5
 In: 444.783+/-0.075 χ^2/NDF : 1606062.1/24
 Out: 451.906+/-0.074 χ^2/NDF : 3127002.1/28
 All: 448.400+/-0.053 χ^2/NDF : 4737595.4/53

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -218.147+/-1775.959 χ^2/NDF : 0.0/1

Left Out: -565.545+/-104.460 χ^2/NDF : 62.9/24

Right Out: 459.194+/-1166.715 χ^2/NDF : 5.6/3

Left In: 50.387+/-106.218 χ^2/NDF : 23.3/22

Left: -262.717+/-74.478 χ^2/NDF : 103.3/47

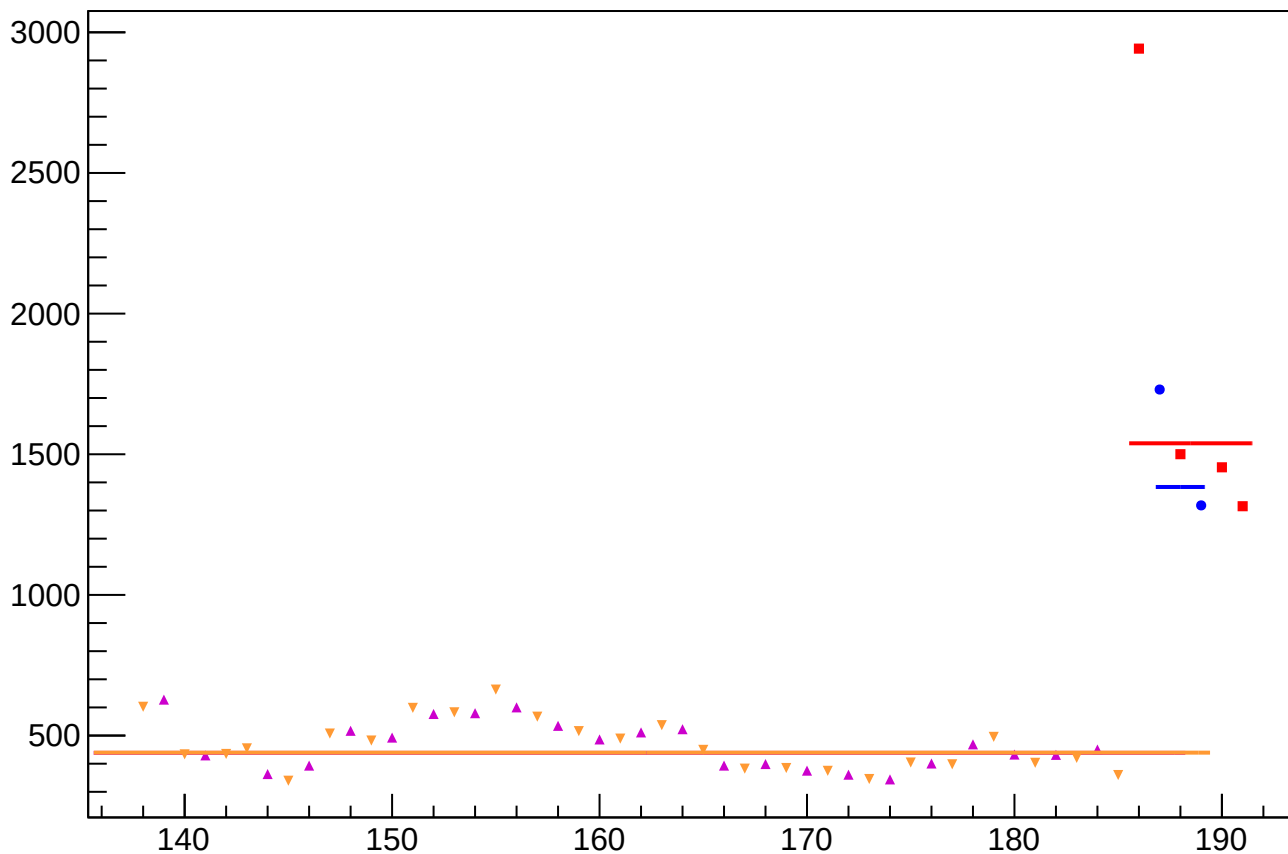
Right: 254.995+/-975.117 χ^2/NDF : 5.7/5

In: 49.430+/-106.029 χ^2/NDF : 23.3/24

Out: -557.395+/-104.044 χ^2/NDF : 69.3/28

All: -259.714+/-74.262 χ^2/NDF : 109.3/53

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Left: 438.847 $\pm$ 0.053 χ^2/NDF : 2188773.6/47

Right: 1492.145 $\pm$ 0.690 χ^2/NDF : 212316.9/5

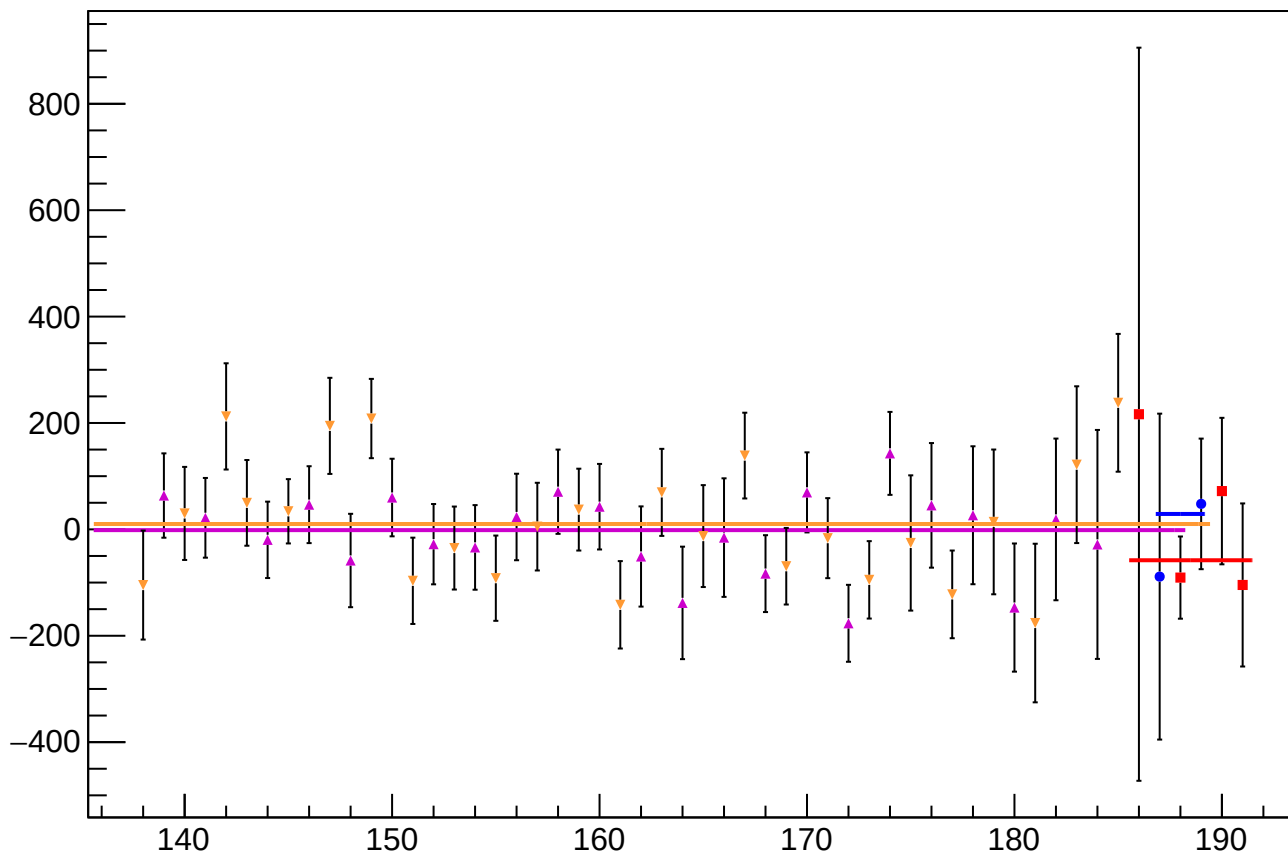
In: 441.734 $\pm$ 0.075 χ^2/NDF : 1603692.6/24

Out: 448.059 $\pm$ 0.074 χ^2/NDF : 3113801.4/28

All: 444.956 $\pm$ 0.053 χ^2/NDF : 4721119.4/53

Right In: 1383.697 $\pm$ 1.256 χ^2/NDF : 14377.4/1
 Left Out: 439.314 $\pm$ 0.074 χ^2/NDF : 1164031.3/24
 Right Out: 1538.950 $\pm$ 0.825 χ^2/NDF : 187263.1/3
 Left In: 438.365 $\pm$ 0.075 χ^2/NDF : 1024661.1/22

dit_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 28.982 $\pm$ 113.936 χ^2 /NDF: 0.2/1

Left Out: 10.078 $\pm$ 17.207 χ^2 /NDF:38.7/24

Right Out: -58.053 $\pm$ 61.441 χ^2 /NDF: 1.3/3

Left In: -1.434 $\pm$ 17.926 χ^2 /NDF:19.0/22

Left: 4.557 $\pm$ 12.414 χ^2 /NDF: 58.0/47

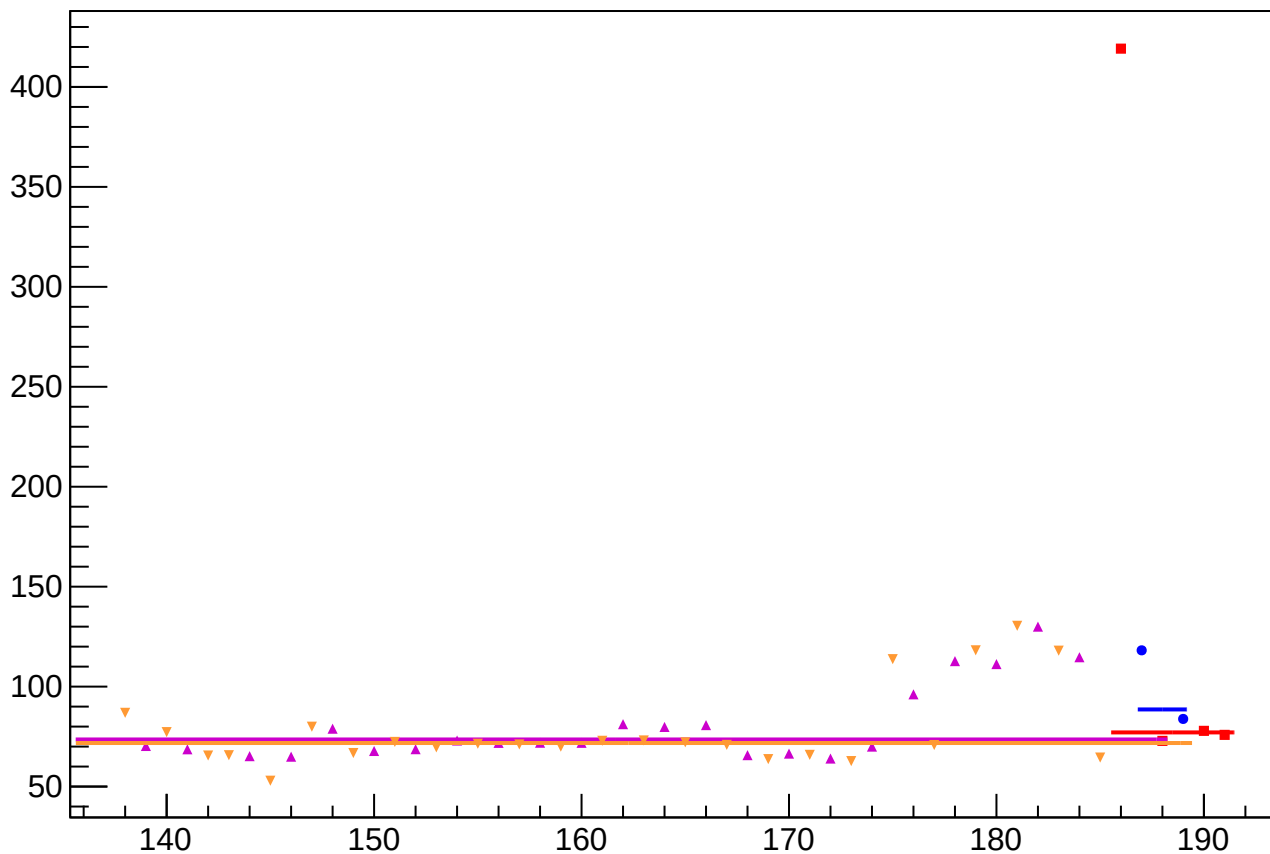
Right: -38.445 $\pm$ 54.079 χ^2 /NDF: 1.9/5

In: -0.699 $\pm$ 17.708 χ^2 /NDF:19.3/24

Out: 5.123 $\pm$ 16.570 χ^2 /NDF:41.2/28

All: 2.405 $\pm$ 12.099 χ^2 /NDF: 60.5/53

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 88.580 $\pm$ 0.081 χ^2 /NDF: 21628.9/1

Left Out: 71.785 $\pm$ 0.012 χ^2 /NDF:1325726.8/24

Right Out: 77.088 $\pm$ 0.043 χ^2 /NDF: 499046.1/3

Left In: 73.558 $\pm$ 0.013 χ^2 /NDF:1009353.9/22

Left: 72.635 $\pm$ 0.009 χ^2 /NDF: 2345268.8/47

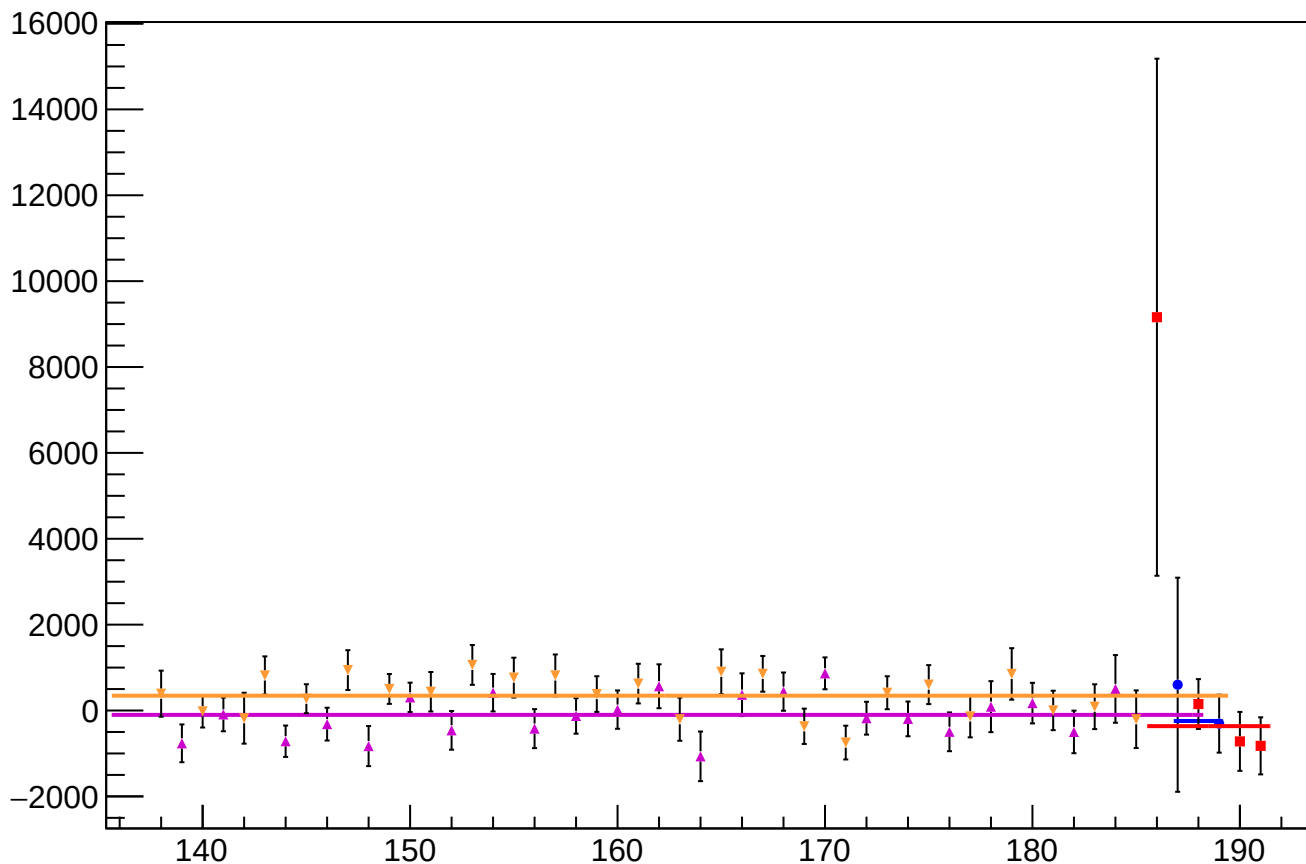
Right: 79.677 $\pm$ 0.038 χ^2 /NDF: 536438.3/5

In: 73.921 $\pm$ 0.013 χ^2 /NDF:1064908.4/24

Out: 72.171 $\pm$ 0.012 χ^2 /NDF:1838588.7/28

All: 72.988 $\pm$ 0.009 χ^2 /NDF: 2913919.3/53

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -243.807+/-651.836 χ^2/NDF : 0.1/1

Left Out: 345.360+/-89.857 χ^2/NDF :27.4/24

Right Out: -364.083+/-368.021 χ^2/NDF : 4.0/3

Left In: -101.648+/-91.670 χ^2/NDF :28.1/22

Left: 126.320+/-64.170 χ^2/NDF : 67.5/47

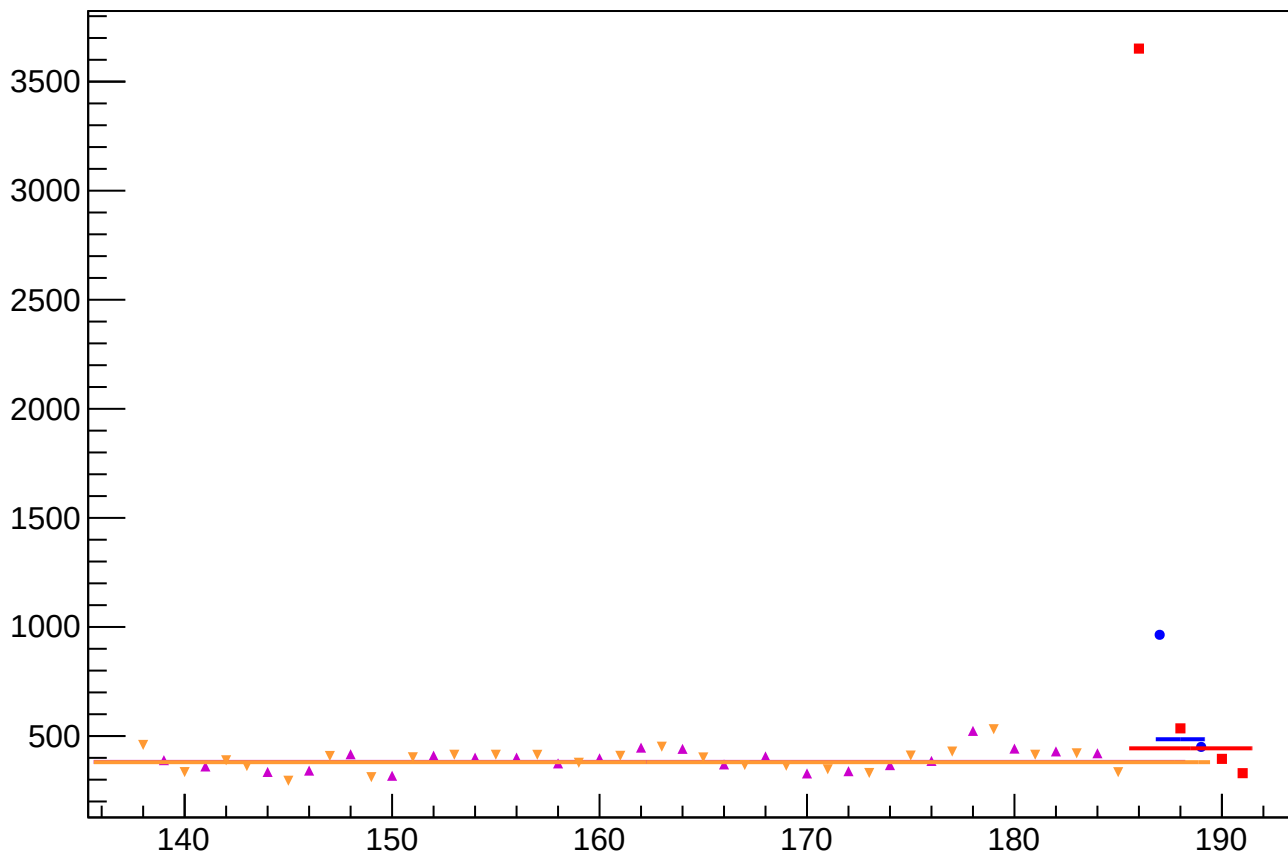
Right: -335.010+/-320.472 χ^2/NDF : 4.2/5

In: -104.405+/-90.777 χ^2/NDF :28.2/24

Out: 305.446+/-87.293 χ^2/NDF :34.9/28

All: 108.536+/-62.921 χ^2/NDF : 73.7/53

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 485.331+/-0.461 χ^2/NDF : 79154.1/1

Left Out: 380.206+/-0.064 χ^2/NDF : 616620.6/24

Right Out: 443.685+/-0.260 χ^2/NDF : 685923.8/3

Left In: 381.474+/-0.065 χ^2/NDF : 461021.8/22

Left: 380.828+/-0.045 χ^2/NDF : 1077837.5/47

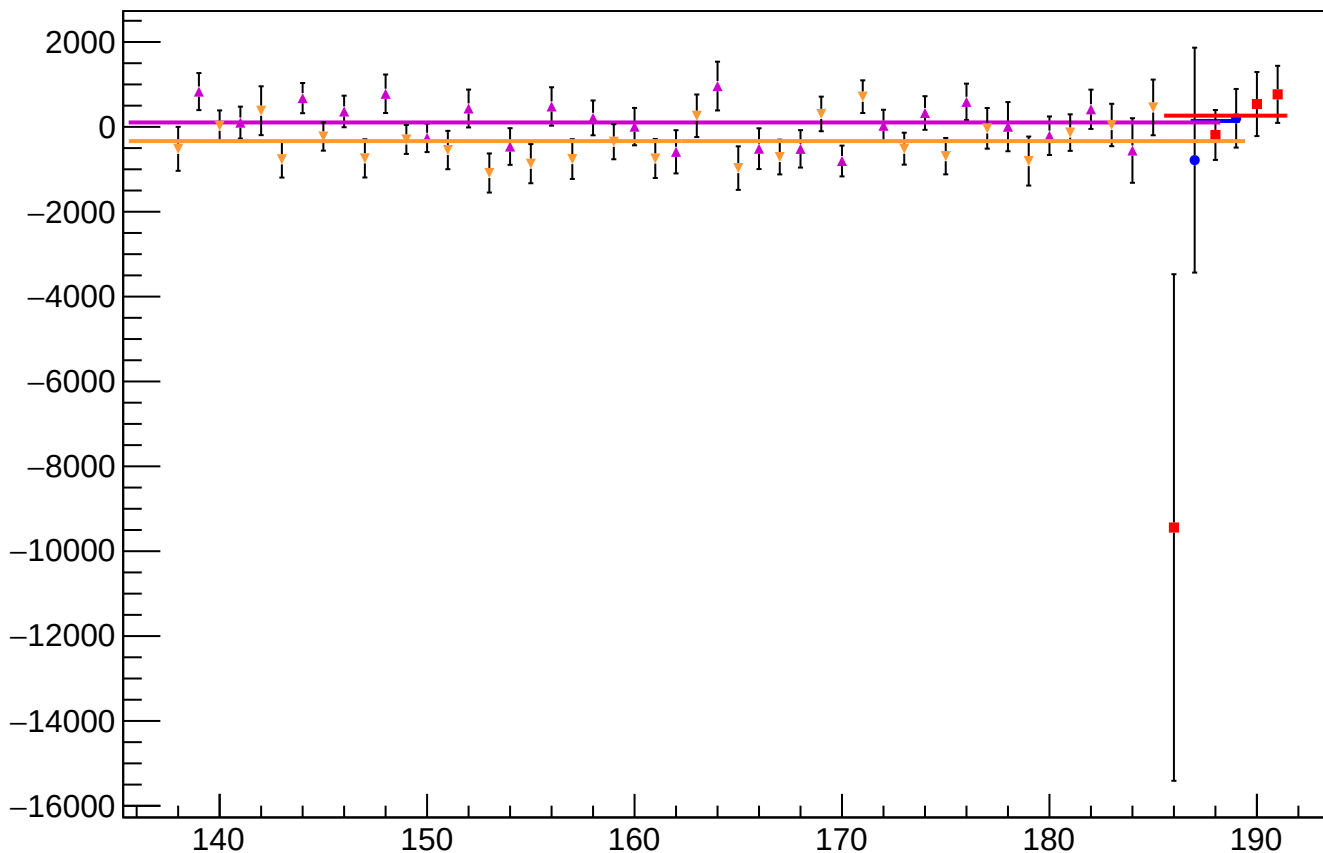
Right: 453.751+/-0.227 χ^2/NDF : 771268.8/5

In: 383.488+/-0.064 χ^2/NDF : 589963.6/24

Out: 383.778+/-0.062 χ^2/NDF : 1358699.1/28

All: 383.639+/-0.044 χ^2/NDF : 1948673.3/53

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 139.802 $\pm$ 668.669 χ^2 /NDF: 0.1/1
 Left Out: -335.242 $\pm$ 87.706 χ^2 /NDF:28.3/24
 Right Out: 264.233 $\pm$ 381.112 χ^2 /NDF: 3.9/3
 Left In: 104.117 $\pm$ 89.613 χ^2 /NDF:29.7/22

Left: -120.287 $\pm$ 62.681 χ^2 /NDF: 70.2/47

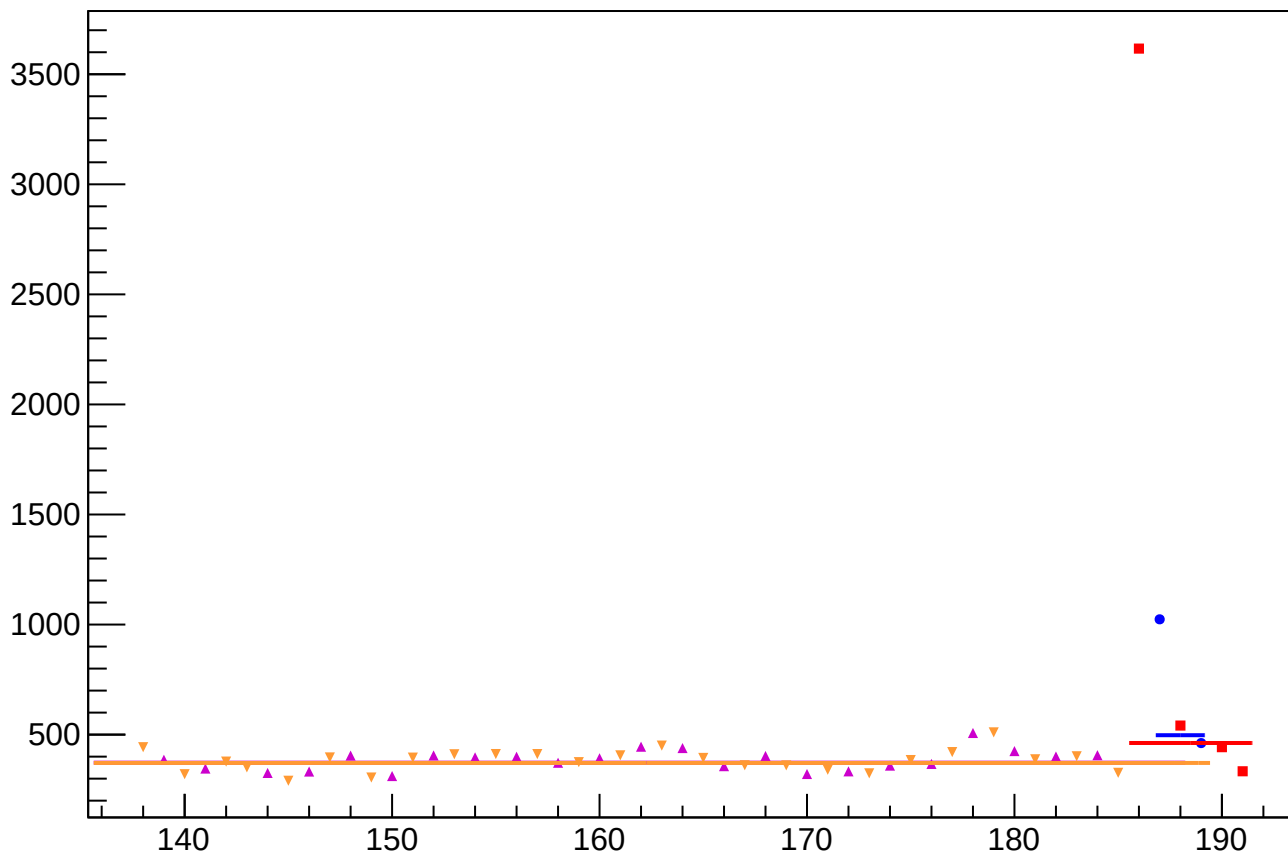
Right: 233.723 $\pm$ 331.108 χ^2 /NDF: 4.1/5

In: 104.747 $\pm$ 88.819 χ^2 /NDF:29.8/24

Out: -305.090 $\pm$ 85.472 χ^2 /NDF:34.6/28

All: -108.039 $\pm$ 61.587 χ^2 /NDF: 75.4/53

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 497.347 $\pm$ 0.473 χ^2 /NDF: 84293.4/1

Left Out: 371.375 $\pm$ 0.062 χ^2 /NDF: 604123.3/24

Right Out: 462.007 $\pm$ 0.269 χ^2 /NDF: 669204.1/3

Left In: 372.574 $\pm$ 0.063 χ^2 /NDF: 464397.2/22

Left: 371.962 $\pm$ 0.044 χ^2 /NDF: 1068703.4/47

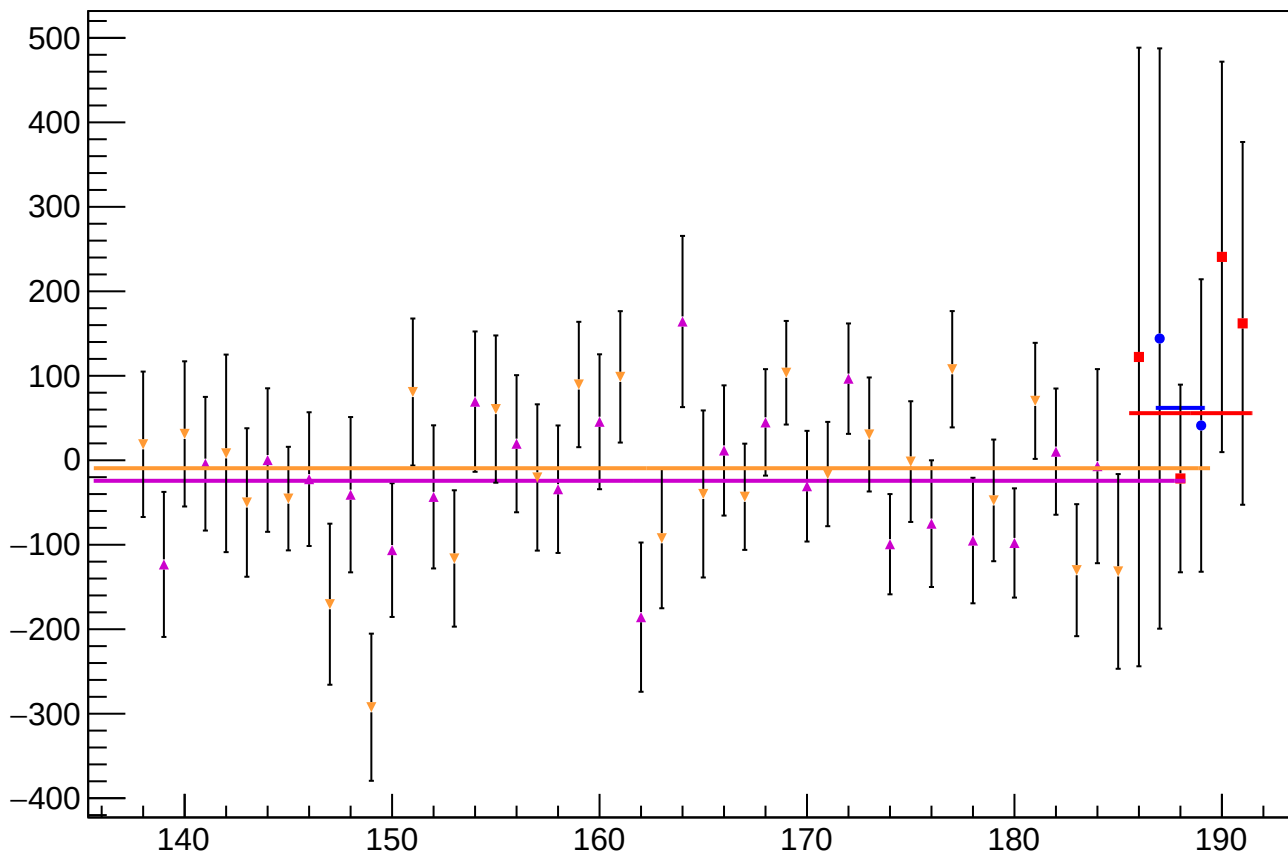
Right: 470.673 $\pm$ 0.234 χ^2 /NDF: 757714.3/5

In: 374.776 $\pm$ 0.063 χ^2 /NDF: 617100.7/24

Out: 375.934 $\pm$ 0.060 χ^2 /NDF: 1380744.5/28

All: 375.377 $\pm$ 0.044 χ^2 /NDF: 1998021.8/53

dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 62.018 ± 154.597 $\chi^2/\text{NDF}: 0.1/1$

Left Out: -9.398 ± 15.471 $\chi^2/\text{NDF}: 34.7/24$

Right Out: 55.764 ± 88.065 $\chi^2/\text{NDF}: 1.4/3$

Left In: -24.293 ± 16.034 $\chi^2/\text{NDF}: 21.1/22$

Left: -16.580 ± 11.133 $\chi^2/\text{NDF}: 56.3/47$

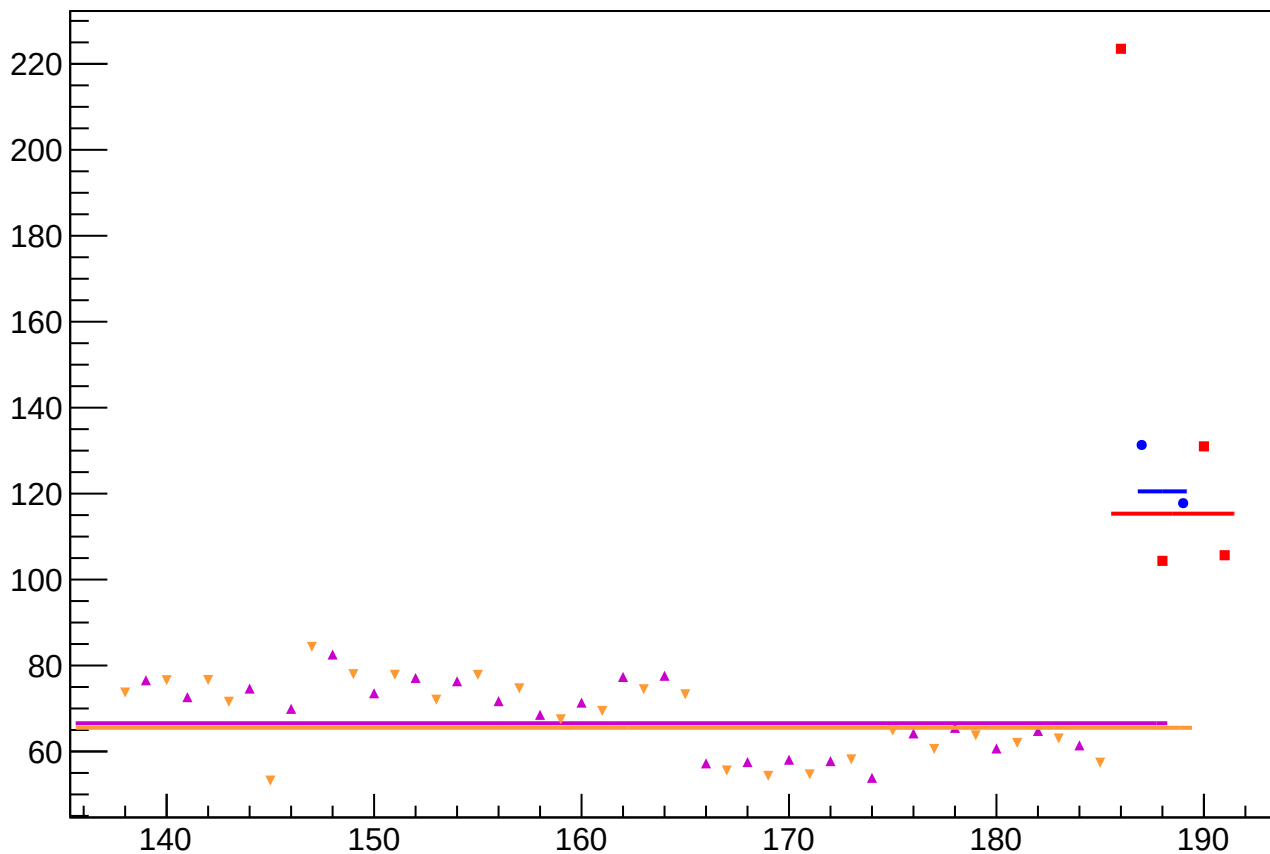
Right: 57.296 ± 76.521 $\chi^2/\text{NDF}: 1.5/5$

In: -23.375 ± 15.948 $\chi^2/\text{NDF}: 21.5/24$

Out: -7.447 ± 15.238 $\chi^2/\text{NDF}: 36.6/28$

All: -15.048 ± 11.017 $\chi^2/\text{NDF}: 58.7/53$

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 120.522 $\pm$ 0.109 χ^2 /NDF: 2479.3/1

Left Out: 65.512 $\pm$ 0.011 χ^2 /NDF: 666993.4/24

Right Out: 115.335 $\pm$ 0.062 χ^2 /NDF: 207382.8/3

Left In: 66.564 $\pm$ 0.011 χ^2 /NDF: 521302.1/22

Left: 66.019 $\pm$ 0.008 χ^2 /NDF: 1192752.0/47

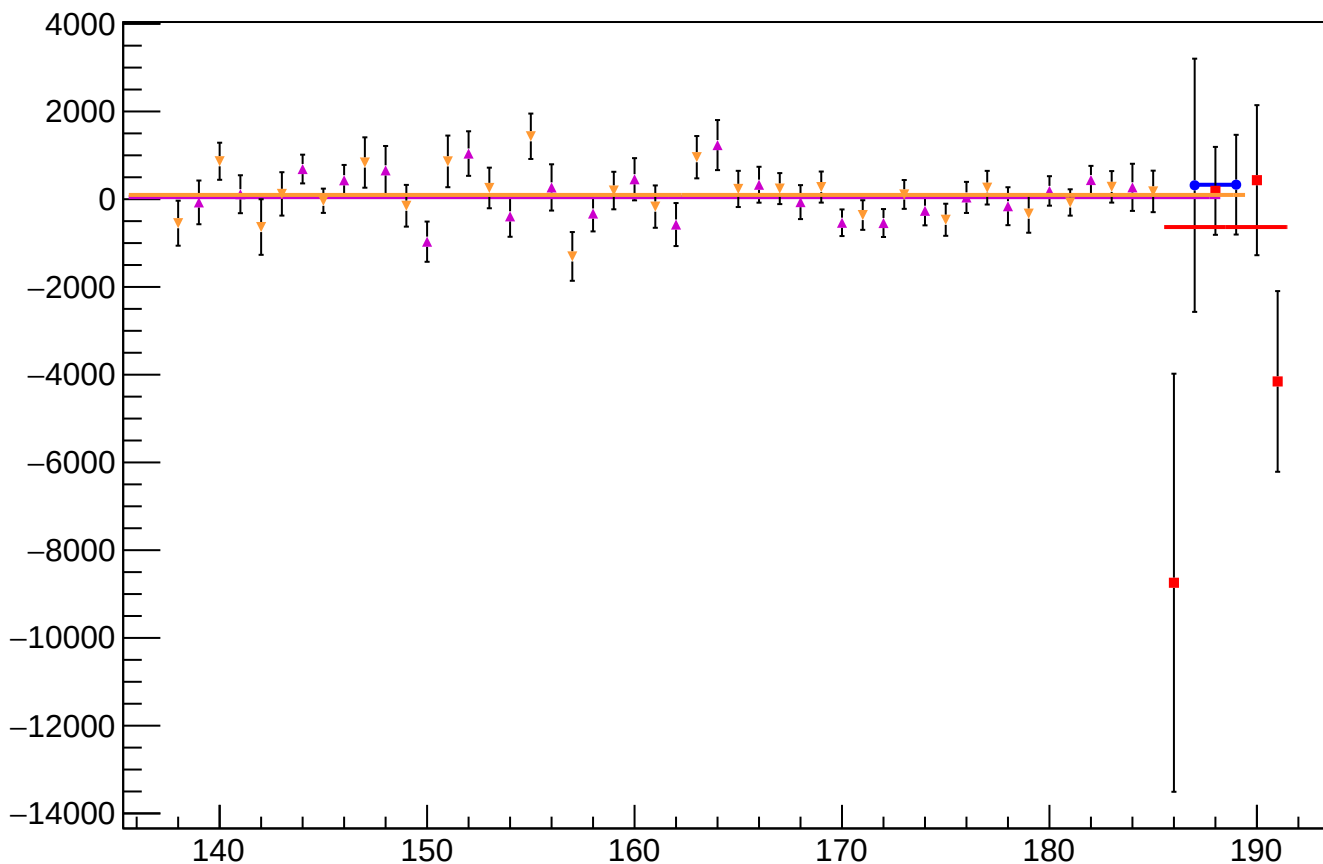
Right: 116.606 $\pm$ 0.054 χ^2 /NDF: 211561.8/5

In: 67.138 $\pm$ 0.011 χ^2 /NDF: 764823.6/24

Out: 67.003 $\pm$ 0.011 χ^2 /NDF: 1495363.9/28

All: 67.068 $\pm$ 0.008 χ^2 /NDF: 2260261.6/53

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 329.181 ± 1057.490 χ^2/NDF : 0.0/1

Left Out: 97.420 ± 82.238 χ^2/NDF : 33.3/24

Right Out: -634.739 ± 786.249 χ^2/NDF : 6.9/3

Left In: 46.660 ± 83.857 χ^2/NDF : 34.2/22

Left: 72.535 ± 58.715 χ^2/NDF : 67.7/47

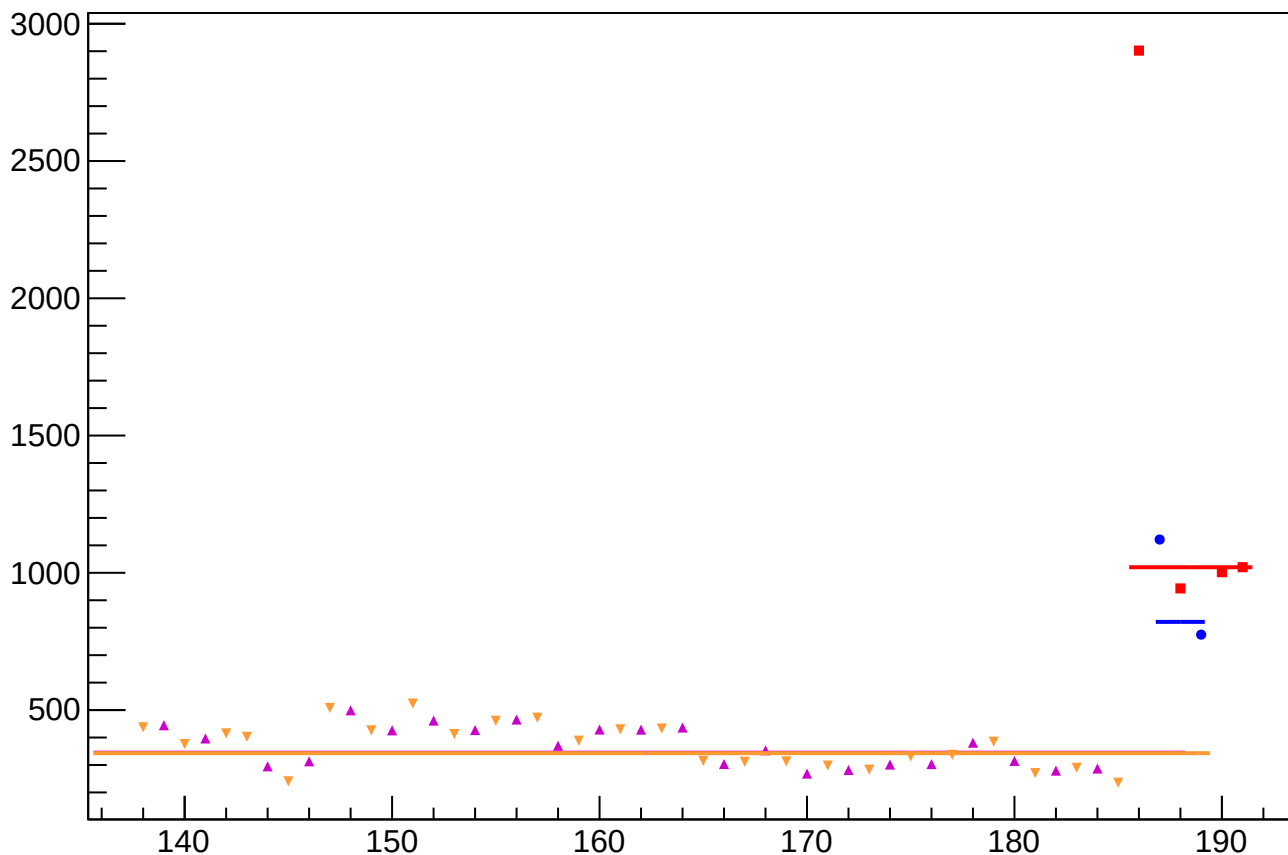
Right: -291.582 ± 630.961 χ^2/NDF : 7.4/5

In: 48.425 ± 83.595 χ^2/NDF : 34.3/24

Out: 89.497 ± 81.792 χ^2/NDF : 41.0/28

All: 69.409 ± 58.463 χ^2/NDF : 75.5/53

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 821.257+/-0.748 χ^2/NDF : 24965.6/1

Left Out: 342.995+/-0.058 χ^2/NDF :1665121.0/24

Right Out: 1020.293+/-0.556 χ^2/NDF : 324059.0/3

Left In: 344.818+/-0.059 χ^2/NDF :1264545.0/22

Left: 343.889+/-0.042 χ^2/NDF : 2930147.7/47

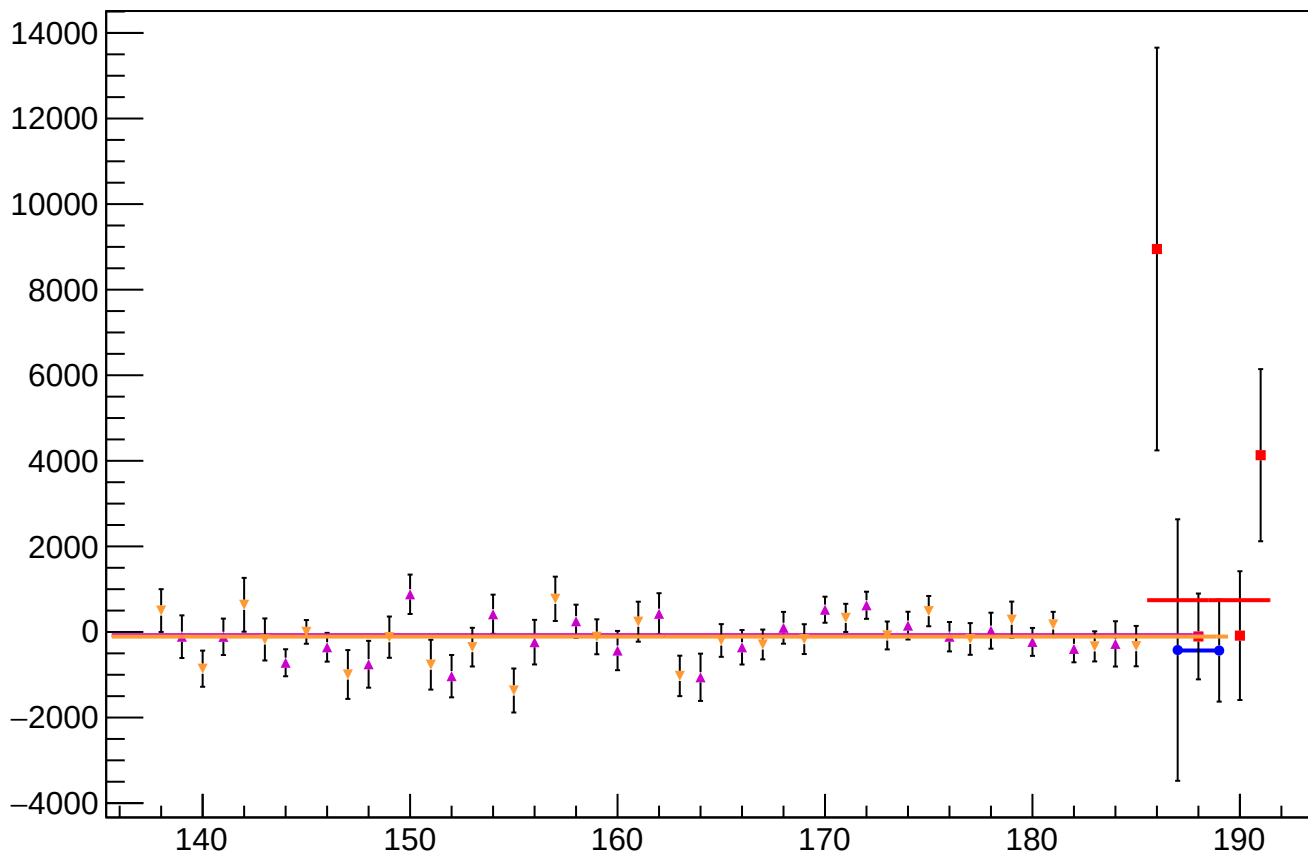
Right: 949.436+/-0.446 χ^2/NDF : 394651.7/5

In: 347.795+/-0.059 χ^2/NDF :1692943.0/24

Out: 350.325+/-0.058 χ^2/NDF :3457239.1/28

All: 349.088+/-0.041 χ^2/NDF : 5151117.6/53

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -433.052 ± 1111.388 $\chi^2/\text{NDF}: 0.0/1$

Left Out: -108.037 ± 80.579 $\chi^2/\text{NDF}: 30.9/24$

Right Out: 742.843 ± 760.748 $\chi^2/\text{NDF}: 6.9/3$

Left In: -74.986 ± 81.949 $\chi^2/\text{NDF}: 32.7/22$

Left: -91.790 ± 57.456 $\chi^2/\text{NDF}: 63.6/47$

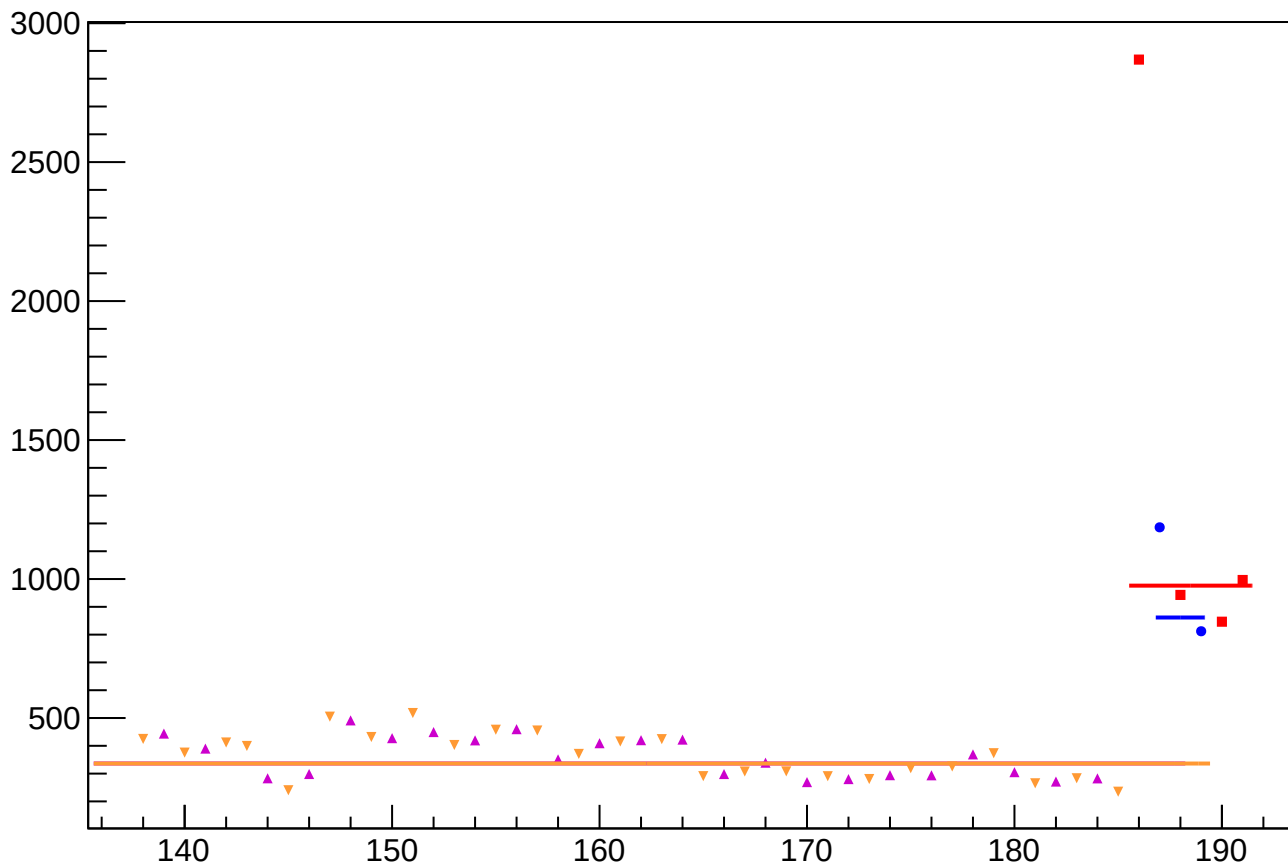
Right: 367.669 ± 627.766 $\chi^2/\text{NDF}: 7.7/5$

In: -76.922 ± 81.727 $\chi^2/\text{NDF}: 32.8/24$

Out: -98.596 ± 80.131 $\chi^2/\text{NDF}: 39.0/28$

All: -87.973 ± 57.217 $\chi^2/\text{NDF}: 71.8/53$

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 861.588 $\pm$ 0.786 χ^2 /NDF: 25984.1/1

Left Out: 336.231 $\pm$ 0.057 χ^2 /NDF:1659693.0/24

Right Out: 976.223 $\pm$ 0.538 χ^2 /NDF: 340718.9/3

Left In: 336.396 $\pm$ 0.058 χ^2 /NDF:1269587.6/22

Left: 336.312 $\pm$ 0.041 χ^2 /NDF: 2929284.8/47

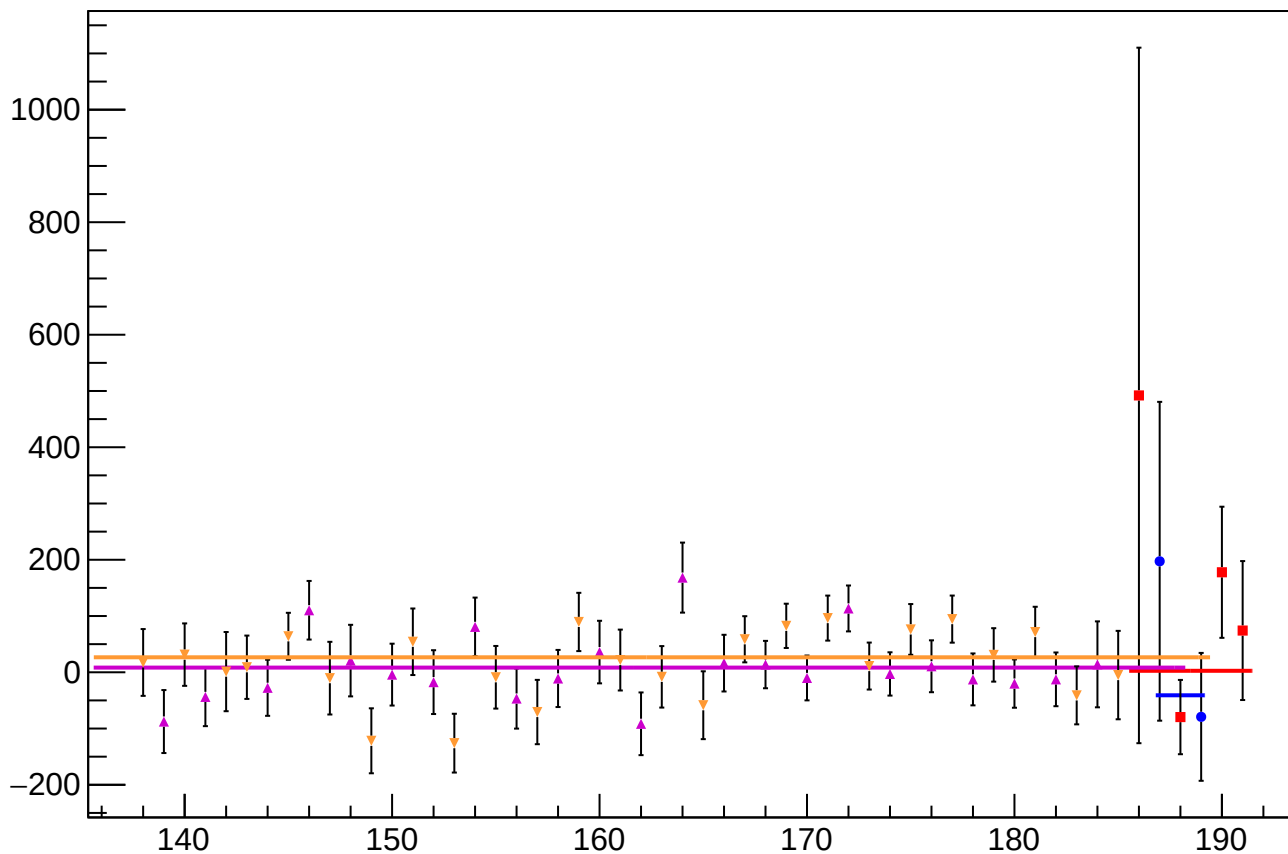
Right: 939.648 $\pm$ 0.444 χ^2 /NDF: 381192.3/5

In: 339.236 $\pm$ 0.058 χ^2 /NDF:1739774.0/24

Out: 343.332 $\pm$ 0.057 χ^2 /NDF:3400166.5/28

All: 341.324 $\pm$ 0.040 χ^2 /NDF: 5142501.3/53

dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -40.898 ± 105.489 χ^2/NDF : 0.8/1

Left Out: 26.633 ± 10.090 χ^2/NDF : 36.5/24

Right Out: 2.643 ± 51.902 χ^2/NDF : 4.8/3

Left In: 8.325 ± 10.361 χ^2/NDF : 29.6/22

Left: 17.721 ± 7.229 χ^2/NDF : 67.7/47

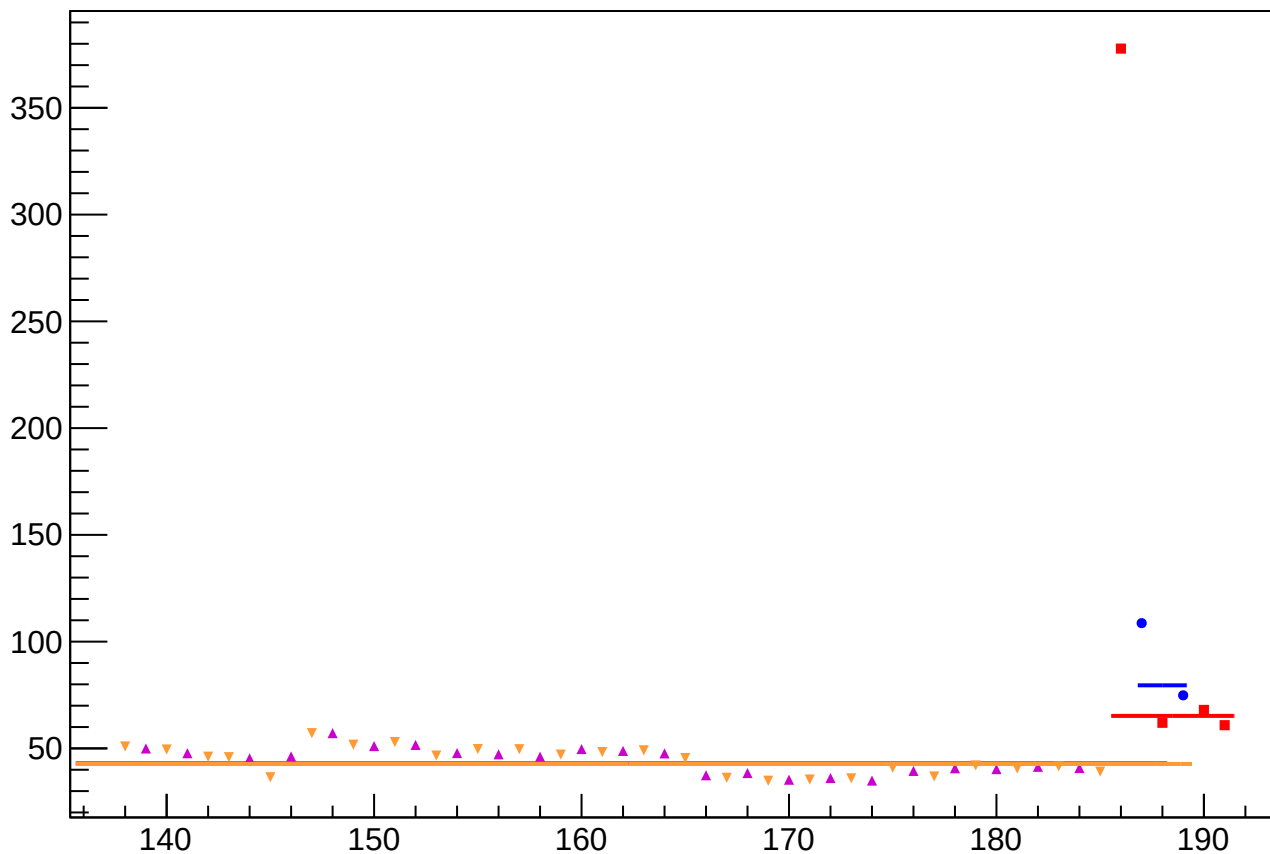
Right: -5.843 ± 46.570 χ^2/NDF : 5.7/5

In: 7.855 ± 10.311 χ^2/NDF : 30.6/24

Out: 25.759 ± 9.905 χ^2/NDF : 41.4/28

All: 17.167 ± 7.143 χ^2/NDF : 73.6/53

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 79.541 $\pm$ 0.075 χ^2 /NDF: 24514.4/1

Left Out: 42.716 $\pm$ 0.007 χ^2 /NDF: 771558.7/24

Right Out: 65.222 $\pm$ 0.037 χ^2 /NDF: 519620.1/3

Left In: 43.021 $\pm$ 0.007 χ^2 /NDF: 642598.9/22

Left: 42.865 $\pm$ 0.005 χ^2 /NDF: 1415050.2/47

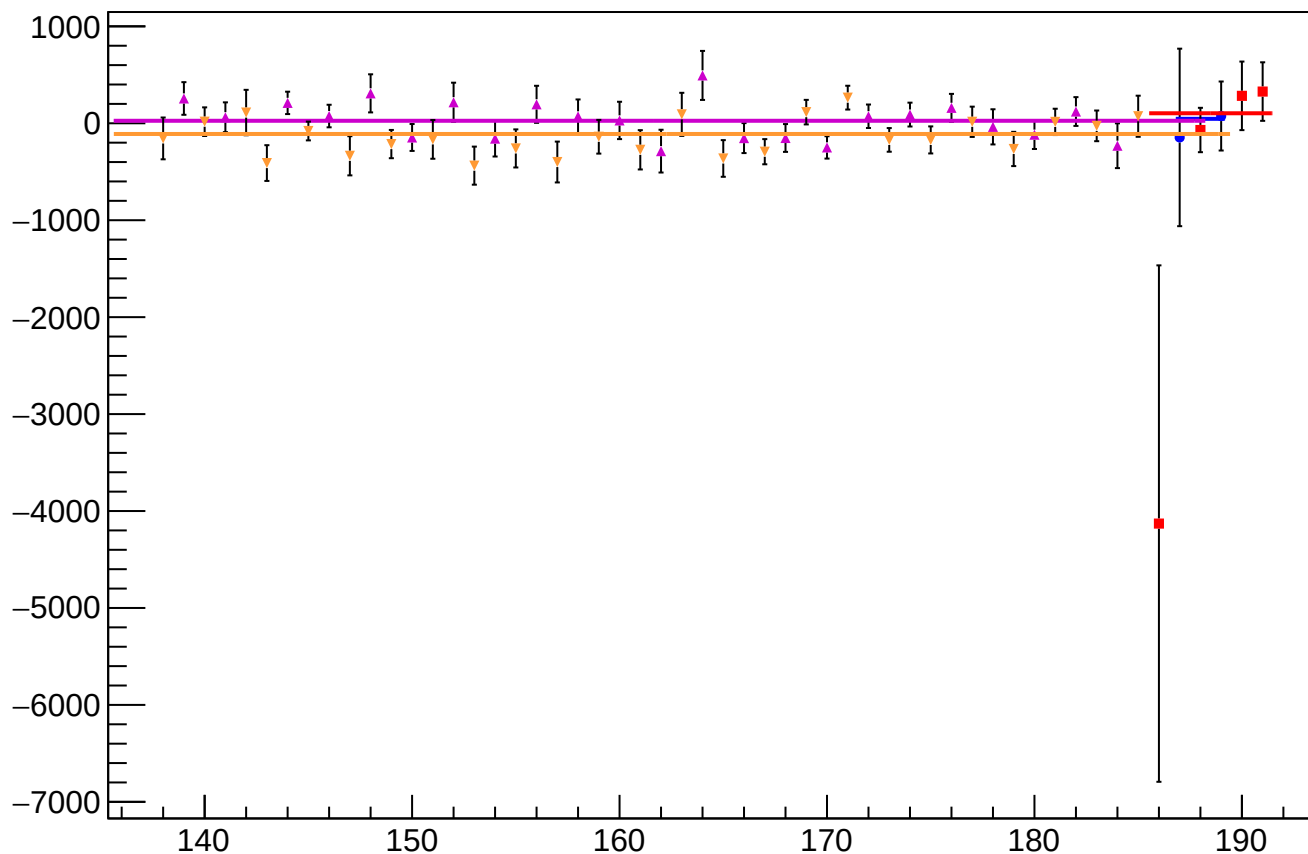
Right: 68.013 $\pm$ 0.033 χ^2 /NDF: 573800.8/5

In: 43.370 $\pm$ 0.007 χ^2 /NDF: 904523.5/24

Out: 43.536 $\pm$ 0.007 χ^2 /NDF: 1653567.2/28

All: 43.456 $\pm$ 0.005 χ^2 /NDF: 2558357.8/53

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 46.016 $\pm$ 331.760 χ^2 /NDF: 0.1/1

Left Out: -110.340 $\pm$ 31.717 χ^2 /NDF:33.0/24

Right Out: 103.333 $\pm$ 161.806 χ^2 /NDF: 3.9/3

Left In: 25.828 $\pm$ 32.100 χ^2 /NDF:29.0/22

Left: -43.073 $\pm$ 22.561 χ^2 /NDF: 71.1/47

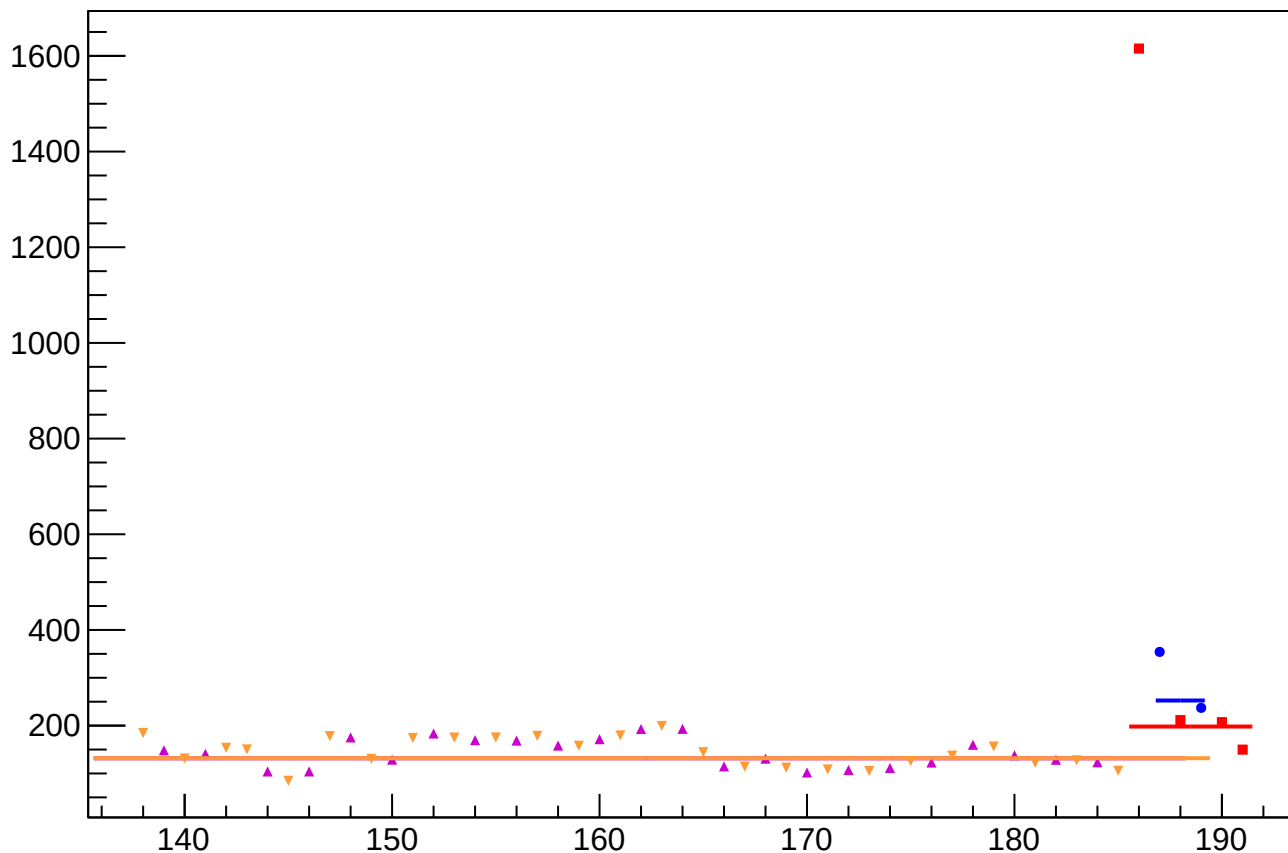
Right: 92.319 $\pm$ 145.431 χ^2 /NDF: 4.0/5

In: 26.015 $\pm$ 31.950 χ^2 /NDF:29.1/24

Out: -102.434 $\pm$ 31.125 χ^2 /NDF:38.5/28

All: -39.891 $\pm$ 22.295 χ^2 /NDF: 75.9/53

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 252.497 $\pm$ 0.235 χ^2 /NDF: 28357.4/1

Left Out: 131.875 $\pm$ 0.022 χ^2 /NDF:1806379.2/24

Right Out: 198.074 $\pm$ 0.114 χ^2 /NDF: 625455.9/3

Left In: 131.630 $\pm$ 0.023 χ^2 /NDF:1403692.5/22

Left: 131.754 $\pm$ 0.016 χ^2 /NDF: 3210130.7/47

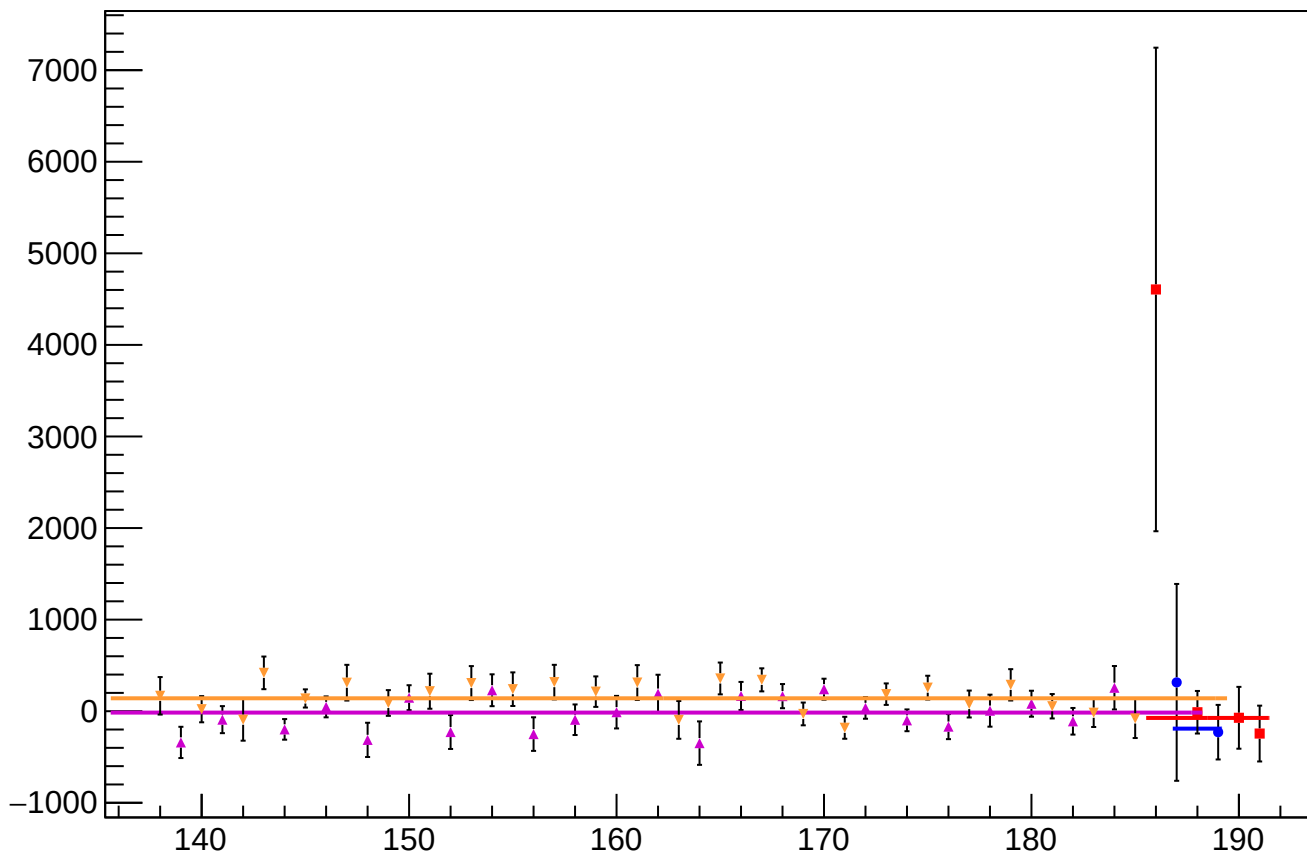
Right: 208.532 $\pm$ 0.103 χ^2 /NDF: 697291.3/5

In: 132.751 $\pm$ 0.023 χ^2 /NDF:1695049.0/24

Out: 134.324 $\pm$ 0.022 χ^2 /NDF:2754220.8/28

All: 133.558 $\pm$ 0.016 χ^2 /NDF: 4451758.8/53

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -190.213+/-287.148 χ^2/NDF : 0.2/1

Left Out: 141.008+/-30.636 χ^2/NDF :27.1/24

Right Out: -73.486+/-161.815 χ^2/NDF : 3.5/3

Left In: -15.199+/-31.033 χ^2/NDF :31.4/22

Left: 63.911+/-21.802 χ^2/NDF : 71.3/47

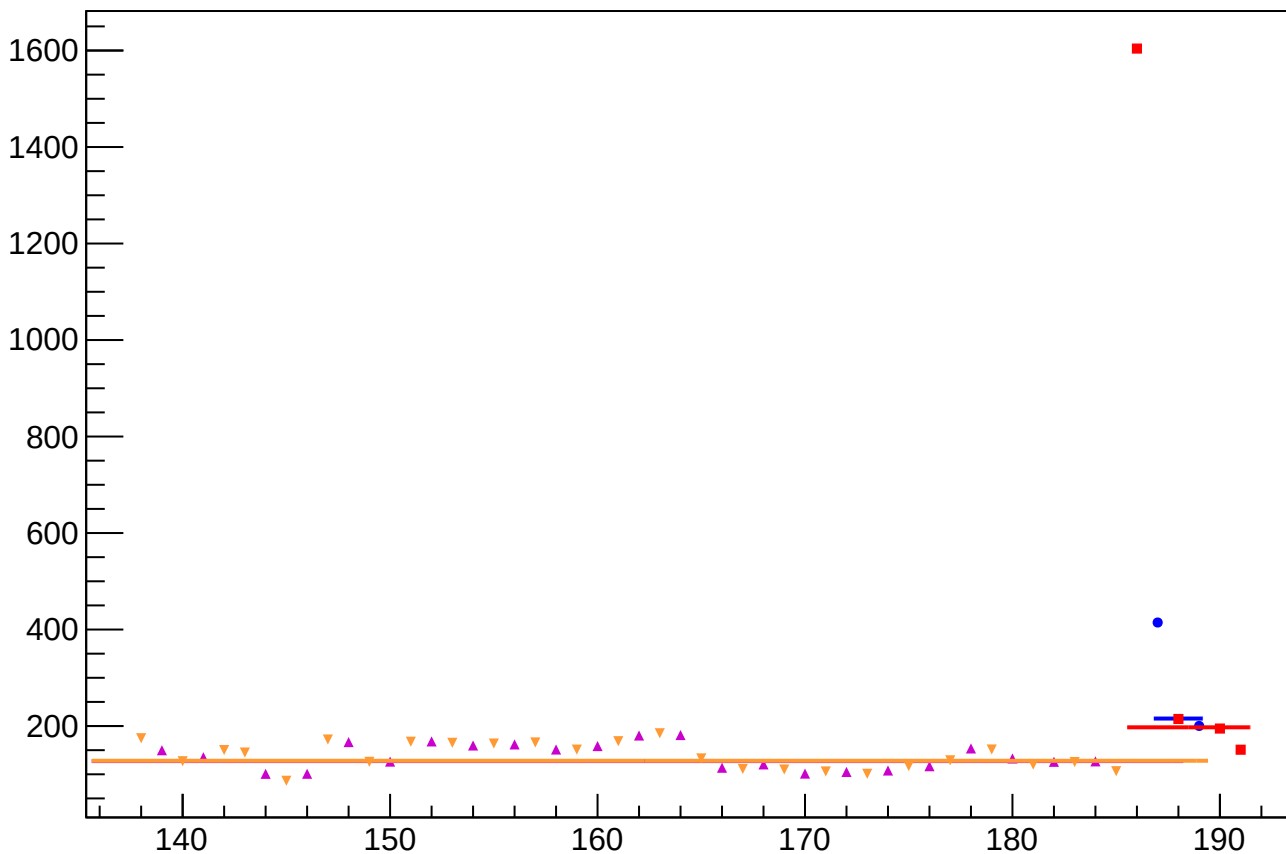
Right: -101.620+/-140.972 χ^2/NDF : 3.9/5

In: -17.219+/-30.853 χ^2/NDF :32.0/24

Out: 133.586+/-30.101 χ^2/NDF :32.4/28

All: 60.045+/-21.546 χ^2/NDF : 76.6/53

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 215.536 $\pm$ 0.203 χ^2 /NDF: 73849.2/1

Left Out: 128.060 $\pm$ 0.022 χ^2 /NDF:1530283.7/24

Right Out: 197.351 $\pm$ 0.114 χ^2 /NDF: 625295.1/3

Left In: 127.380 $\pm$ 0.022 χ^2 /NDF:1229899.0/22

Left: 127.724 $\pm$ 0.015 χ^2 /NDF: 2760669.0/47

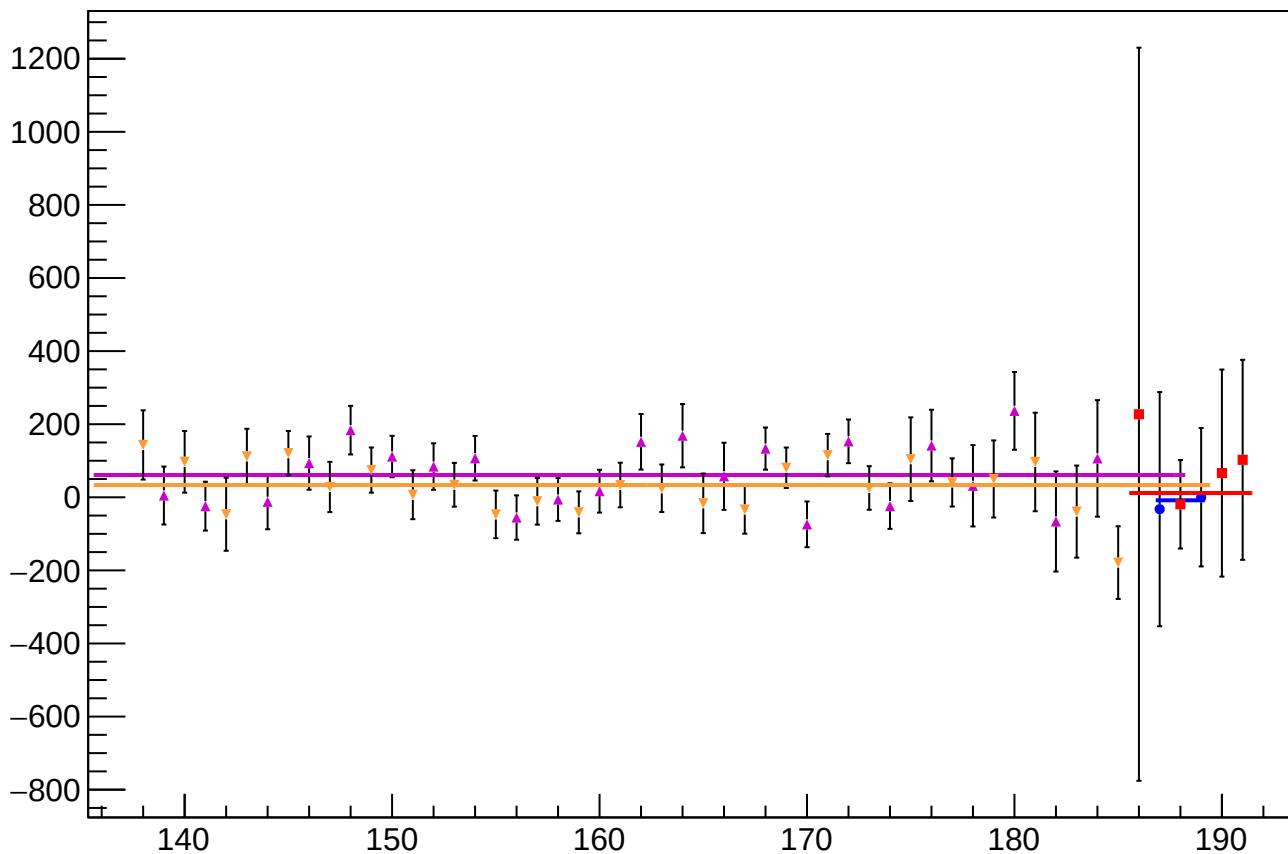
Right: 201.734 $\pm$ 0.100 χ^2 /NDF: 705232.5/5

In: 128.397 $\pm$ 0.022 χ^2 /NDF:1490078.9/24

Out: 130.457 $\pm$ 0.021 χ^2 /NDF:2509620.5/28

All: 129.453 $\pm$ 0.015 χ^2 /NDF: 4004266.9/53

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: -8.211 ± 163.041 χ^2/NDF : 0.0/1

Left Out: 33.535 ± 14.197 χ^2/NDF : 19.7/24

Right Out: 11.725 ± 102.578 χ^2/NDF : 0.3/3

Left In: 60.992 ± 14.839 χ^2/NDF : 31.6/22

Left: 46.656 ± 10.258 χ^2/NDF : 53.0/47

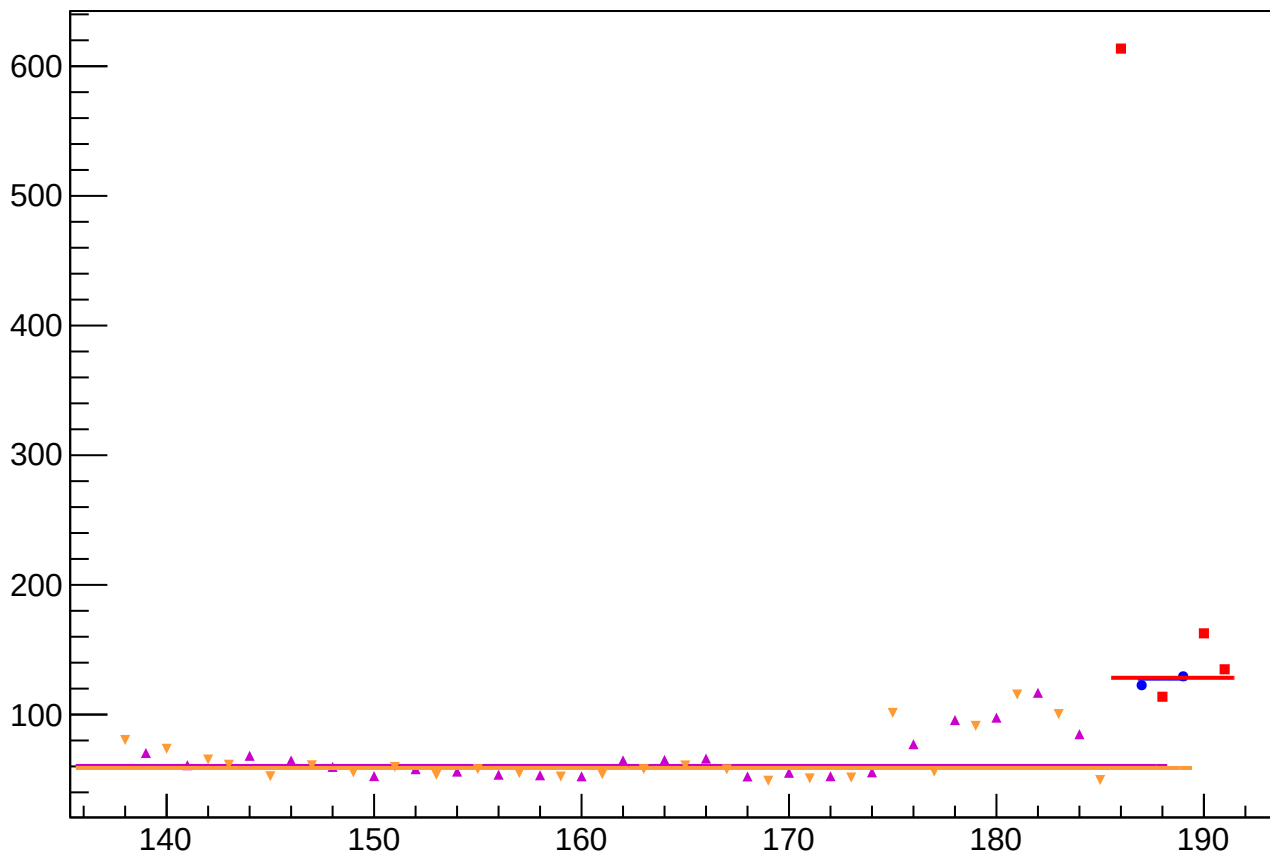
Right: 6.072 ± 86.824 χ^2/NDF : 0.3/5

In: 60.423 ± 14.778 χ^2/NDF : 31.8/24

Out: 33.125 ± 14.063 χ^2/NDF : 20.0/28

All: 46.097 ± 10.187 χ^2/NDF : 53.5/53

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 127.710 $\pm$ 0.115 χ^2 /NDF: 682.1/1

Left Out: 58.793 $\pm$ 0.010 χ^2 /NDF: 1460561.7/24

Right Out: 128.347 $\pm$ 0.073 χ^2 /NDF: 527710.6/3

Left In: 60.355 $\pm$ 0.010 χ^2 /NDF: 1217671.4/22

Left: 59.539 $\pm$ 0.007 χ^2 /NDF: 2689802.0/47

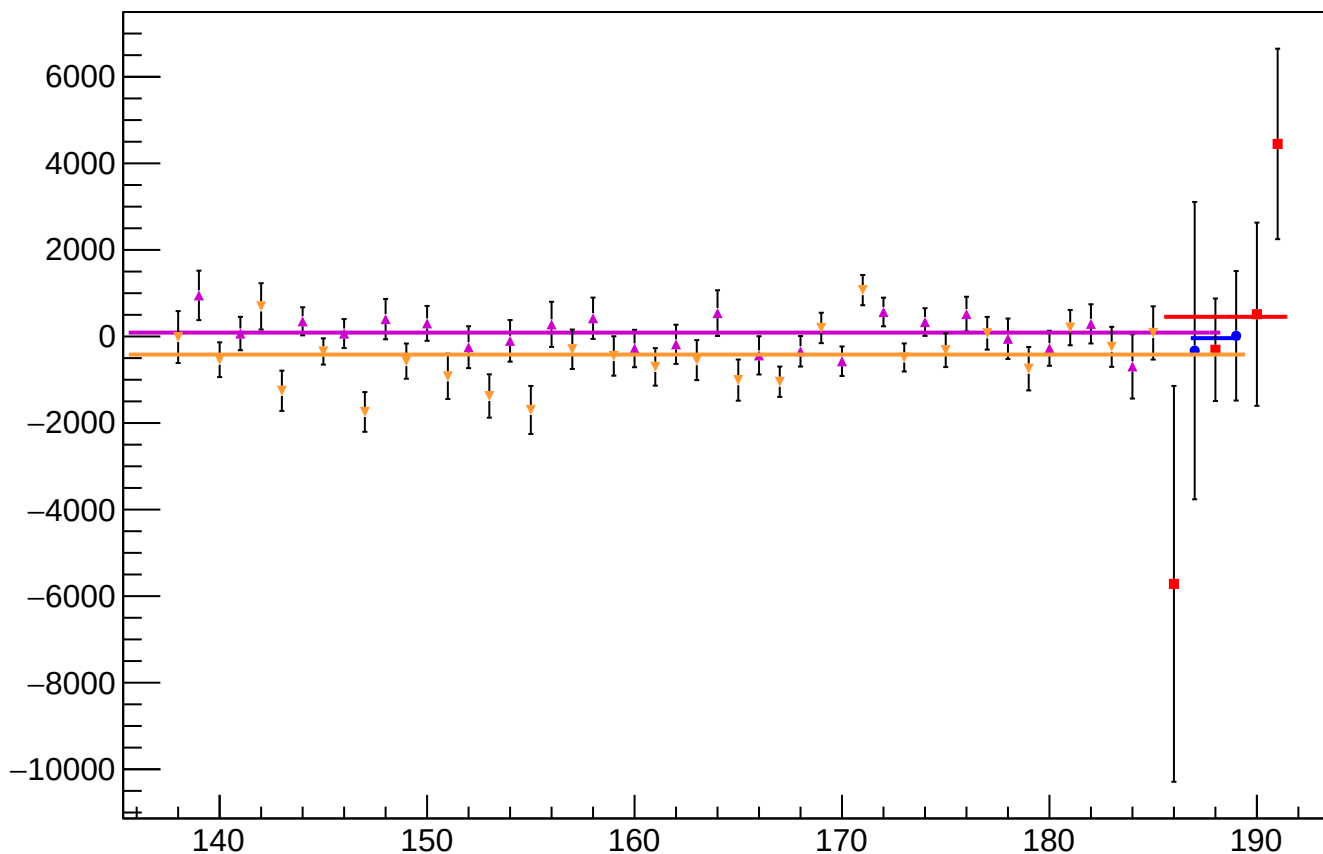
Right: 128.167 $\pm$ 0.061 χ^2 /NDF: 528414.6/5

In: 60.908 $\pm$ 0.010 χ^2 /NDF: 1556878.1/24

Out: 60.100 $\pm$ 0.010 χ^2 /NDF: 2890525.5/28

All: 60.484 $\pm$ 0.007 χ^2 /NDF: 4450541.8/53

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -38.769 $\pm$ 1372.075 χ^2 /NDF: 0.0/1

Left Out: -417.817 $\pm$ 84.969 χ^2 /NDF: 58.5/24

Right Out: 454.335 $\pm$ 916.641 χ^2 /NDF: 5.5/3

Left In: 89.505 $\pm$ 86.438 χ^2 /NDF: 19.4/22

Left: -168.504 $\pm$ 60.595 χ^2 /NDF: 95.4/47

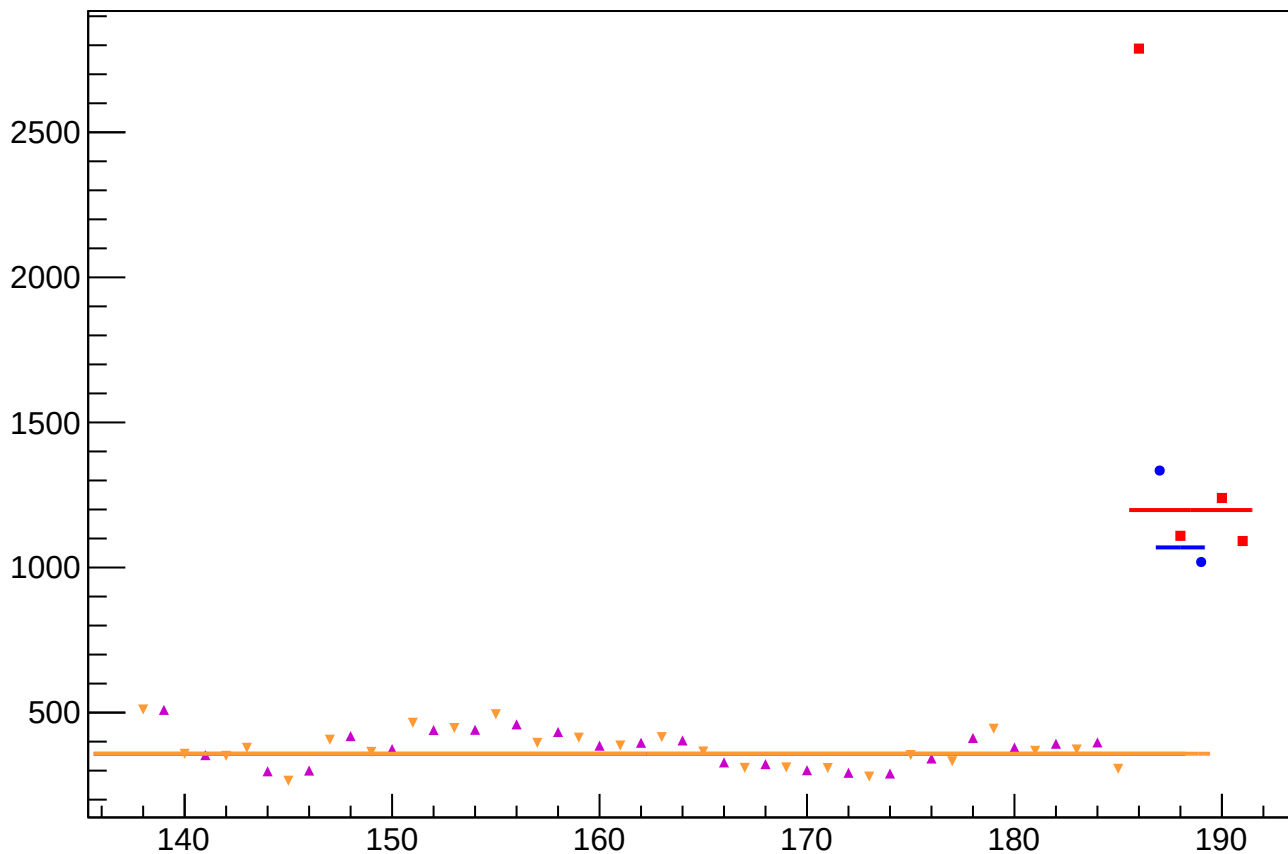
Right: 302.169 $\pm$ 762.197 χ^2 /NDF: 5.6/5

In: 88.998 $\pm$ 86.267 χ^2 /NDF: 19.4/24

Out: -410.387 $\pm$ 84.607 χ^2 /NDF: 64.9/28

All: -165.547 $\pm$ 60.405 χ^2 /NDF: 101.4/53

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 1069.273 $\pm$ 0.970 χ^2/NDF : 14150.1/1

Left Out: 358.349 $\pm$ 0.060 χ^2/NDF : 1011872.8/24

Right Out: 1198.065 $\pm$ 0.648 χ^2/NDF : 258518.5/3

Left In: 357.802 $\pm$ 0.061 χ^2/NDF : 893330.5/22

Left: 358.080 $\pm$ 0.043 χ^2/NDF : 1905244.1/47

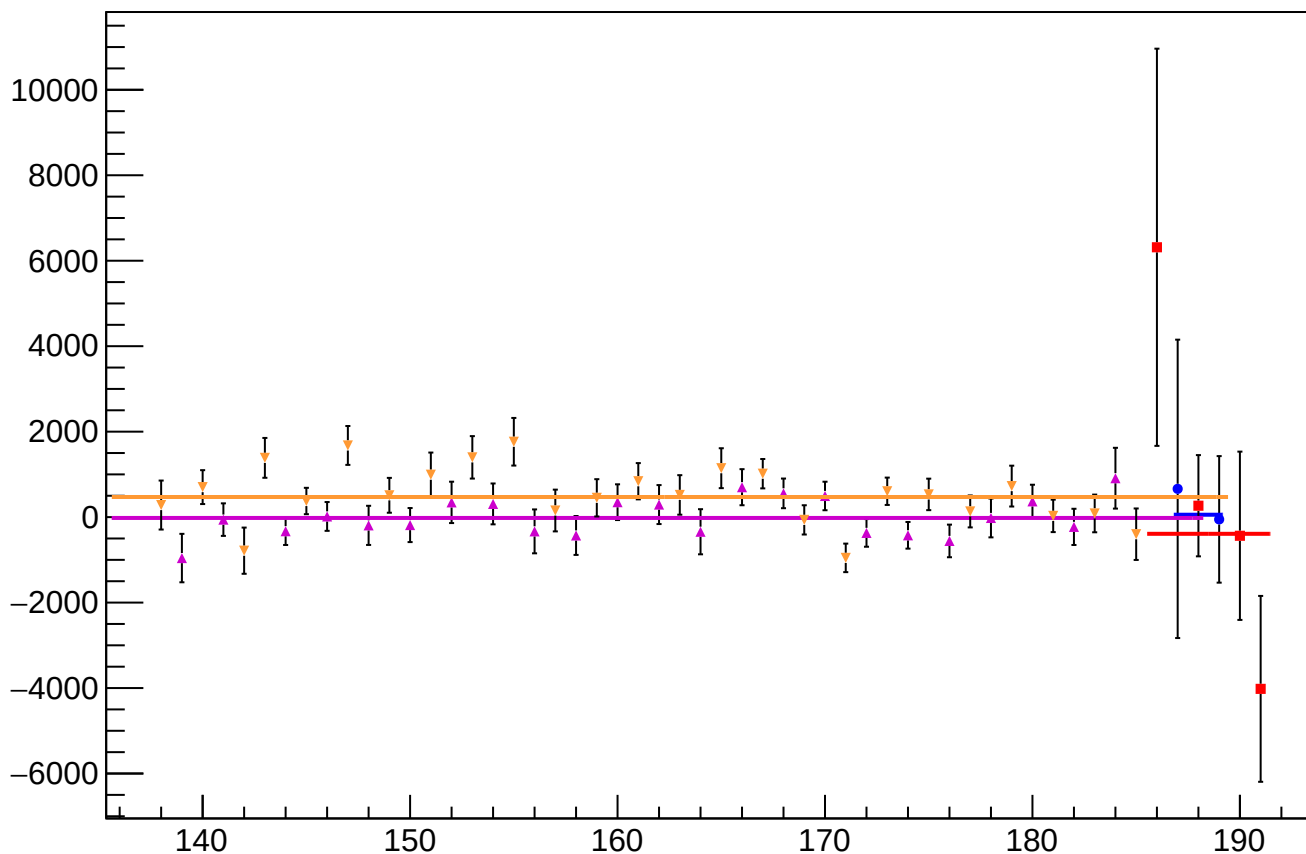
Right: 1158.321 $\pm$ 0.539 χ^2/NDF : 284852.6/5

In: 360.614 $\pm$ 0.061 χ^2/NDF : 1443116.4/24

Out: 365.503 $\pm$ 0.060 χ^2/NDF : 2934497.0/28

All: 363.106 $\pm$ 0.043 χ^2/NDF : 4380887.4/53

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 56.117+/-1363.193 χ^2/NDF : 0.0/1

Left Out: 470.804+/-83.480 χ^2/NDF :58.7/24

Right Out: -390.556+/-902.305 χ^2/NDF : 5.2/3

Left In: -19.328+/-84.679 χ^2/NDF :23.7/22

Left: 229.235+/-59.449 χ^2/NDF : 99.4/47

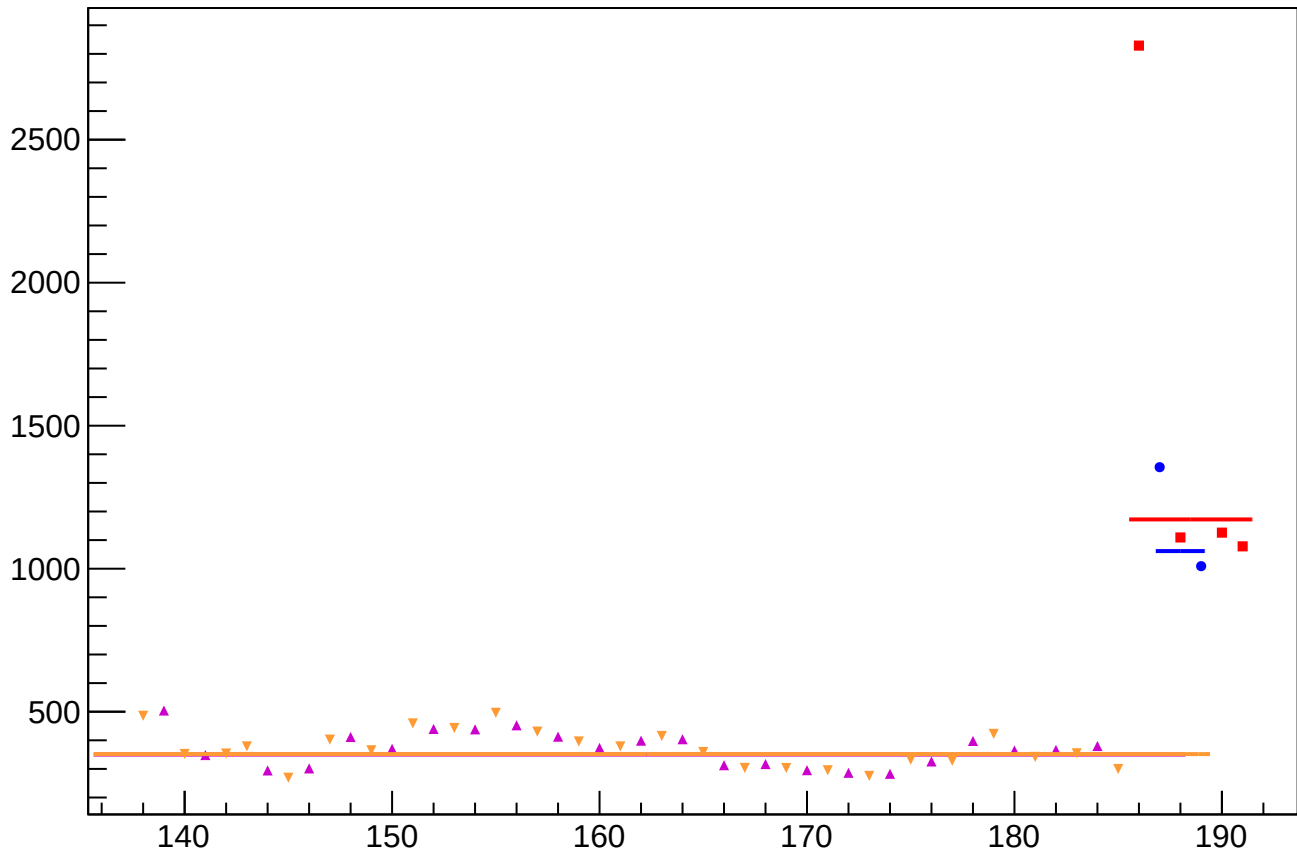
Right: -254.478+/-752.413 χ^2/NDF : 5.3/5

In: -19.038+/-84.516 χ^2/NDF :23.7/24

Out: 463.494+/-83.125 χ^2/NDF :64.8/28

All: 226.234+/-59.264 χ^2/NDF : 105.0/53

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 1061.636 $\pm$ 0.964 χ^2 /NDF: 16653.2/1

Left Out: 351.777 $\pm$ 0.059 χ^2 /NDF:1016791.1/24

Right Out: 1172.249 $\pm$ 0.638 χ^2 /NDF: 264624.4/3

Left In: 350.037 $\pm$ 0.060 χ^2 /NDF:889435.7/22

Left: 350.919 $\pm$ 0.042 χ^2 /NDF: 1906655.0/47

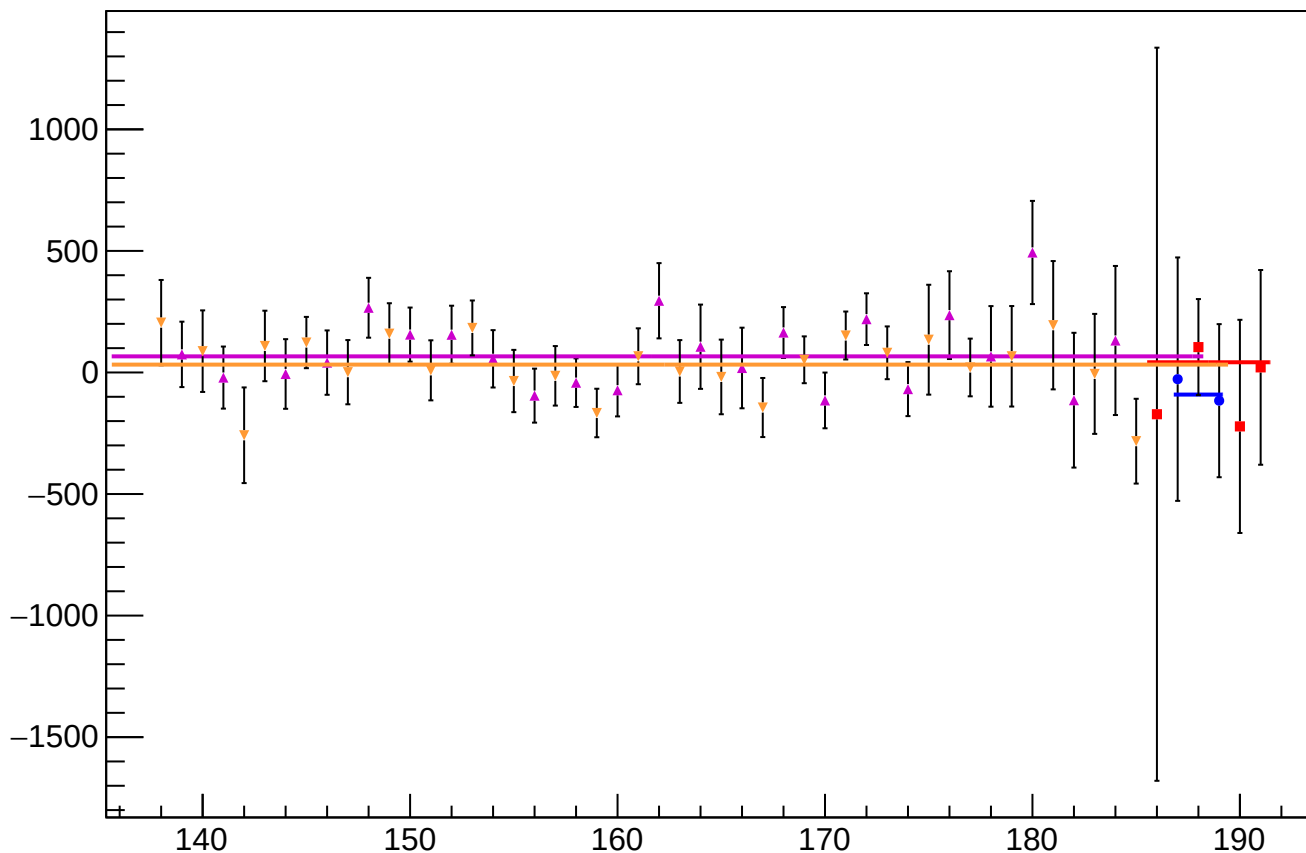
Right: 1138.551 $\pm$ 0.532 χ^2 /NDF: 290434.0/5

In: 352.772 $\pm$ 0.060 χ^2 /NDF:1448980.6/24

Out: 358.740 $\pm$ 0.059 χ^2 /NDF:2921055.6/28

All: 355.806 $\pm$ 0.042 χ^2 /NDF: 4375105.3/53

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -90.946 ± 266.524 χ^2/NDF : 0.0/1

Left Out: 32.332 ± 26.320 χ^2/NDF : 19.6/24

Right Out: 41.979 ± 163.317 χ^2/NDF : 0.5/3

Left In: 66.254 ± 27.450 χ^2/NDF : 24.2/22

Left: 48.580 ± 18.998 χ^2/NDF : 44.6/47

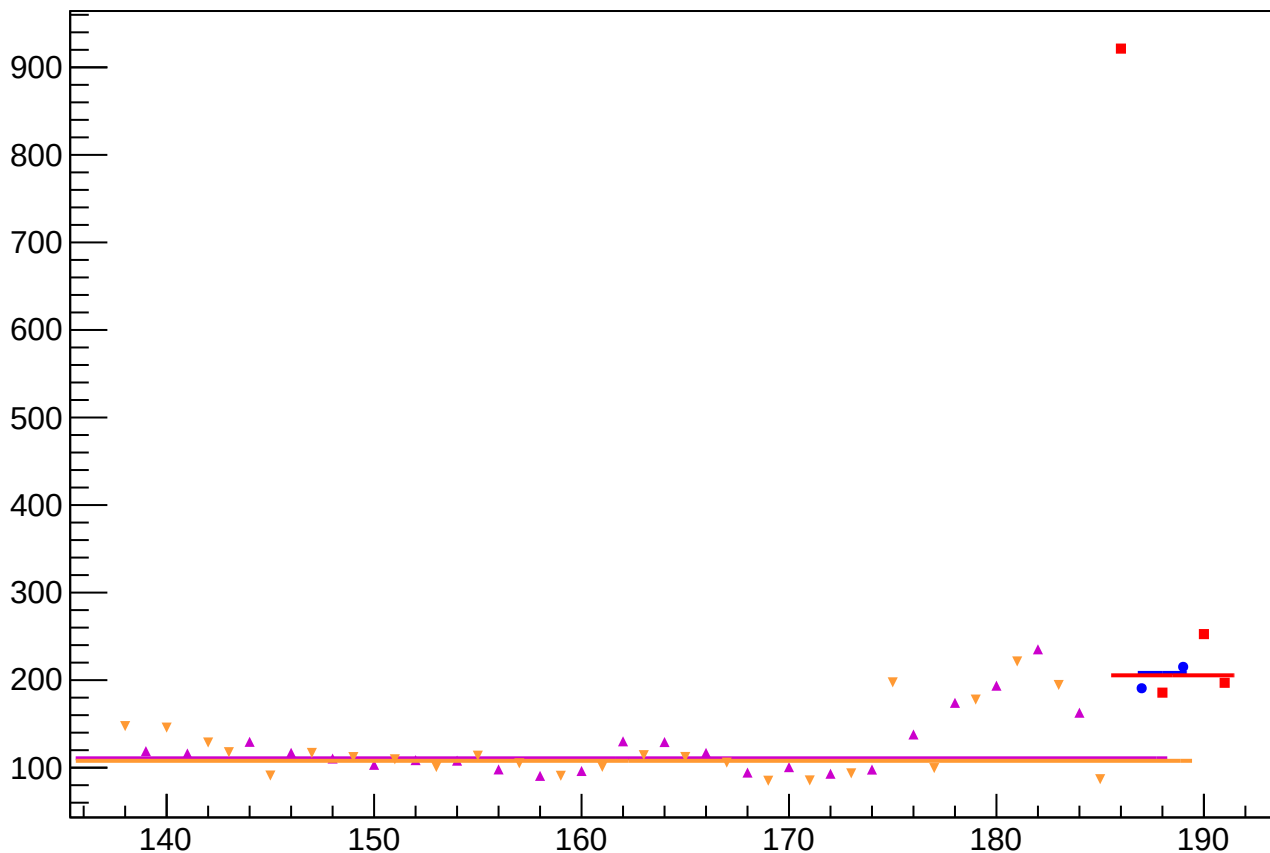
Right: 5.693 ± 139.253 χ^2/NDF : 0.7/5

In: 64.604 ± 27.306 χ^2/NDF : 24.6/24

Out: 32.576 ± 25.985 χ^2/NDF : 20.1/28

All: 47.797 ± 18.824 χ^2/NDF : 45.4/53

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 208.241 $\pm$ 0.188 χ^2 /NDF: 3412.2/1

Left Out: 107.852 $\pm$ 0.019 χ^2 /NDF: 1833747.9/24

Right Out: 205.501 $\pm$ 0.115 χ^2 /NDF: 494932.0/3

Left In: 110.691 $\pm$ 0.019 χ^2 /NDF: 1406587.3/22

Left: 109.212 $\pm$ 0.013 χ^2 /NDF: 3251479.0/47

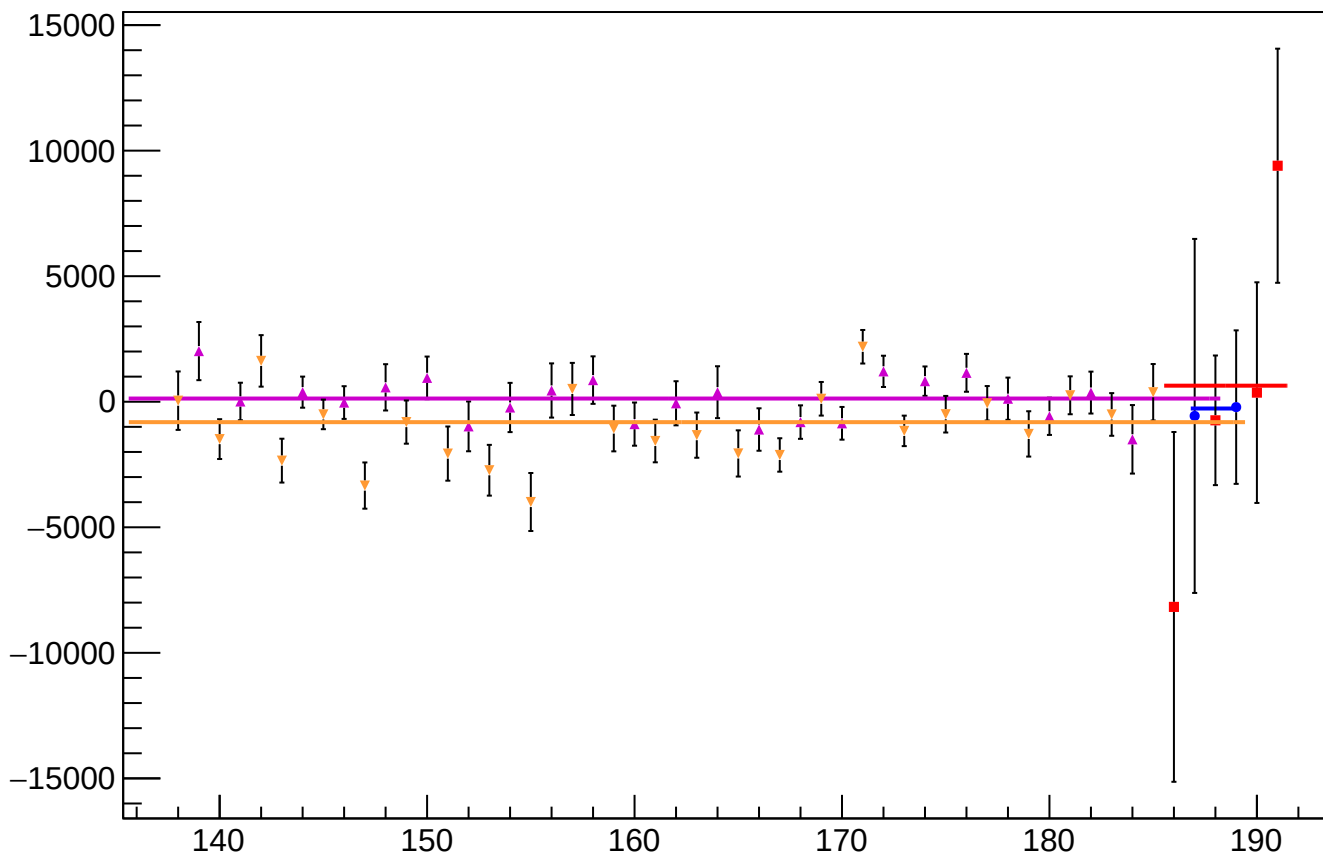
Right: 206.249 $\pm$ 0.098 χ^2 /NDF: 498498.0/5

In: 111.715 $\pm$ 0.019 χ^2 /NDF: 1675112.2/24

Out: 110.324 $\pm$ 0.018 χ^2 /NDF: 3025572.0/28

All: 110.985 $\pm$ 0.013 χ^2 /NDF: 4703406.5/53

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -269.421+/-2804.465 χ^2/NDF : 0.0/1

Left Out: -813.029+/-164.102 χ^2/NDF :66.2/24

Right Out: 639.717+/-1929.820 χ^2/NDF : 5.4/3

Left In: 127.427+/-166.308 χ^2/NDF :22.8/22

Left: -349.081+/-116.810 χ^2/NDF : 105.2/47

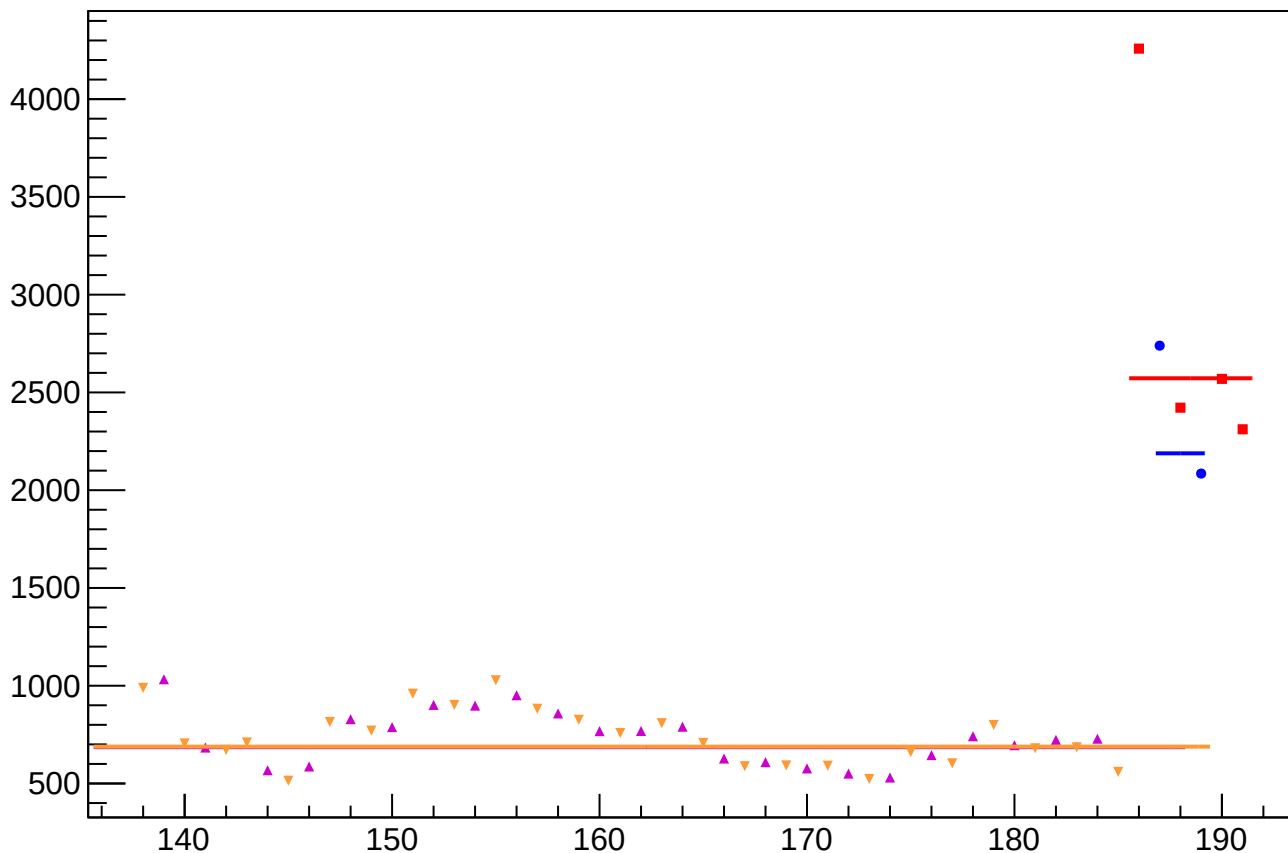
Right: 347.565+/-1589.789 χ^2/NDF : 5.5/5

In: 126.036+/-166.017 χ^2/NDF :22.8/24

Out: -802.600+/-163.512 χ^2/NDF :72.2/28

All: -345.340+/-116.496 χ^2/NDF : 110.8/53

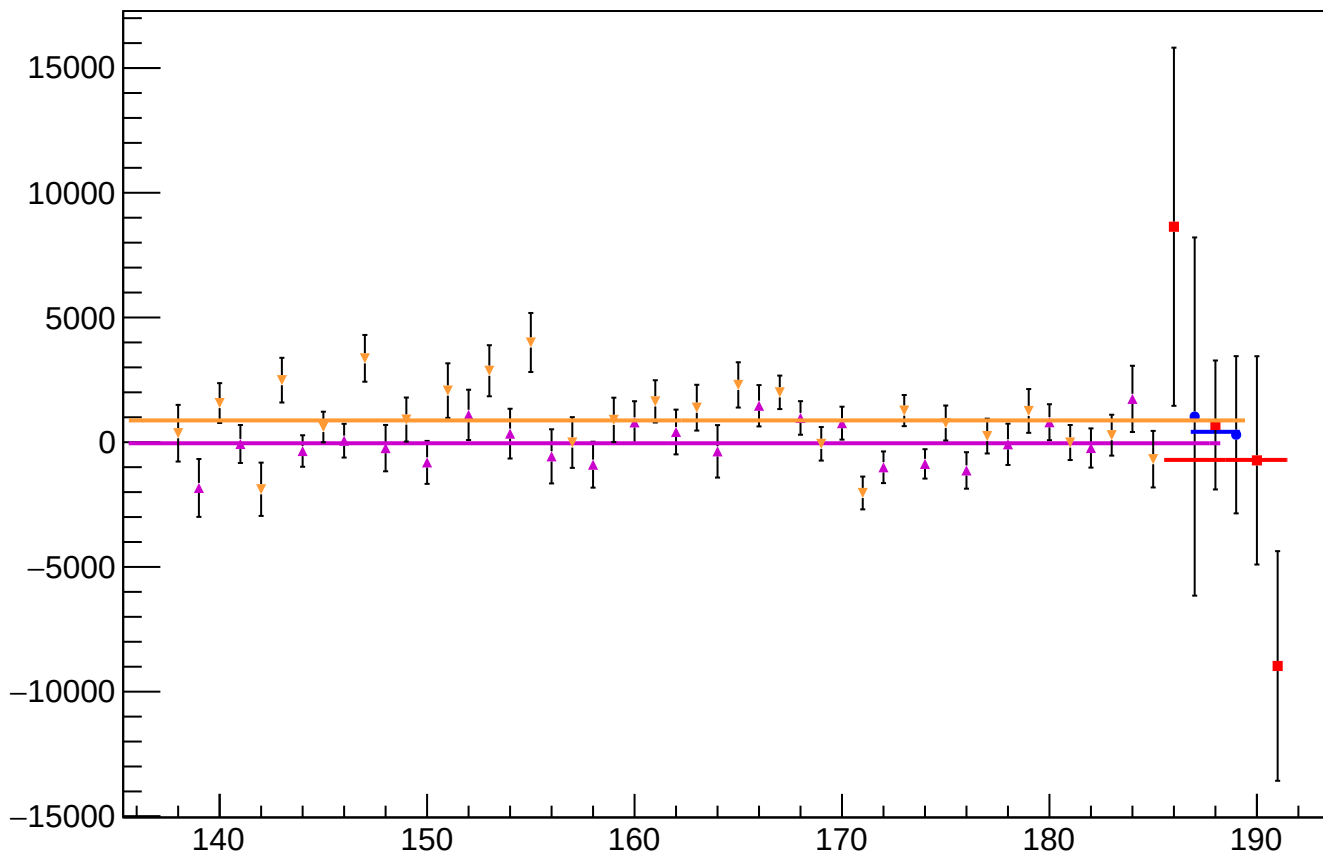
asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 2188.517+/-1.983 χ^2/NDF : 14498.0/1
 Left Out: 688.513+/-0.116 χ^2/NDF :1287701.8/24
 Right Out: 2572.393+/-1.365 χ^2/NDF : 130226.5/3
 Left In: 685.733+/-0.118 χ^2/NDF :1156263.7/22

Left: 687.142+/-0.083 χ^2/NDF : 2444248.5/47
 Right: 2449.034+/-1.124 χ^2/NDF : 170155.2/5
 In: 691.000+/-0.117 χ^2/NDF :1743027.7/24
 Out: 702.037+/-0.116 χ^2/NDF :3310157.7/28
 All: 696.602+/-0.082 χ^2/NDF : 5057672.7/53

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 416.847 $\pm$ 2885.814 χ^2 /NDF: 0.0/1

Left Out: 873.446 $\pm$ 164.269 χ^2 /NDF:64.1/24

Right Out: -709.154 $\pm$ 1911.760 χ^2 /NDF: 5.2/3

Left In: -41.522 $\pm$ 166.728 χ^2 /NDF:24.1/22

Left: 422.759 $\pm$ 117.015 χ^2 /NDF: 103.5/47

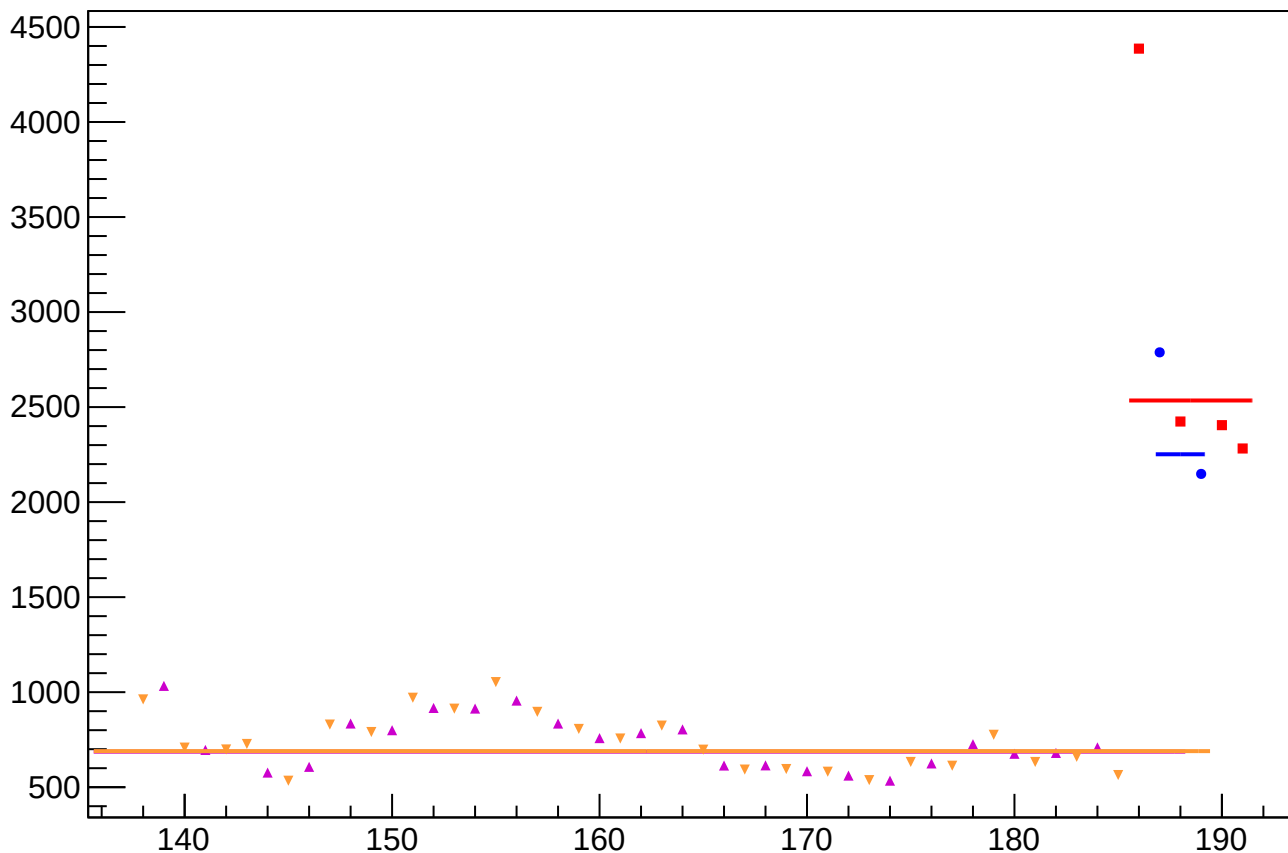
Right: -365.715 $\pm$ 1593.762 χ^2 /NDF: 5.3/5

In: -39.997 $\pm$ 166.450 χ^2 /NDF:24.1/24

Out: 861.847 $\pm$ 163.665 χ^2 /NDF:70.0/28

All: 418.532 $\pm$ 116.701 χ^2 /NDF: 109.1/53

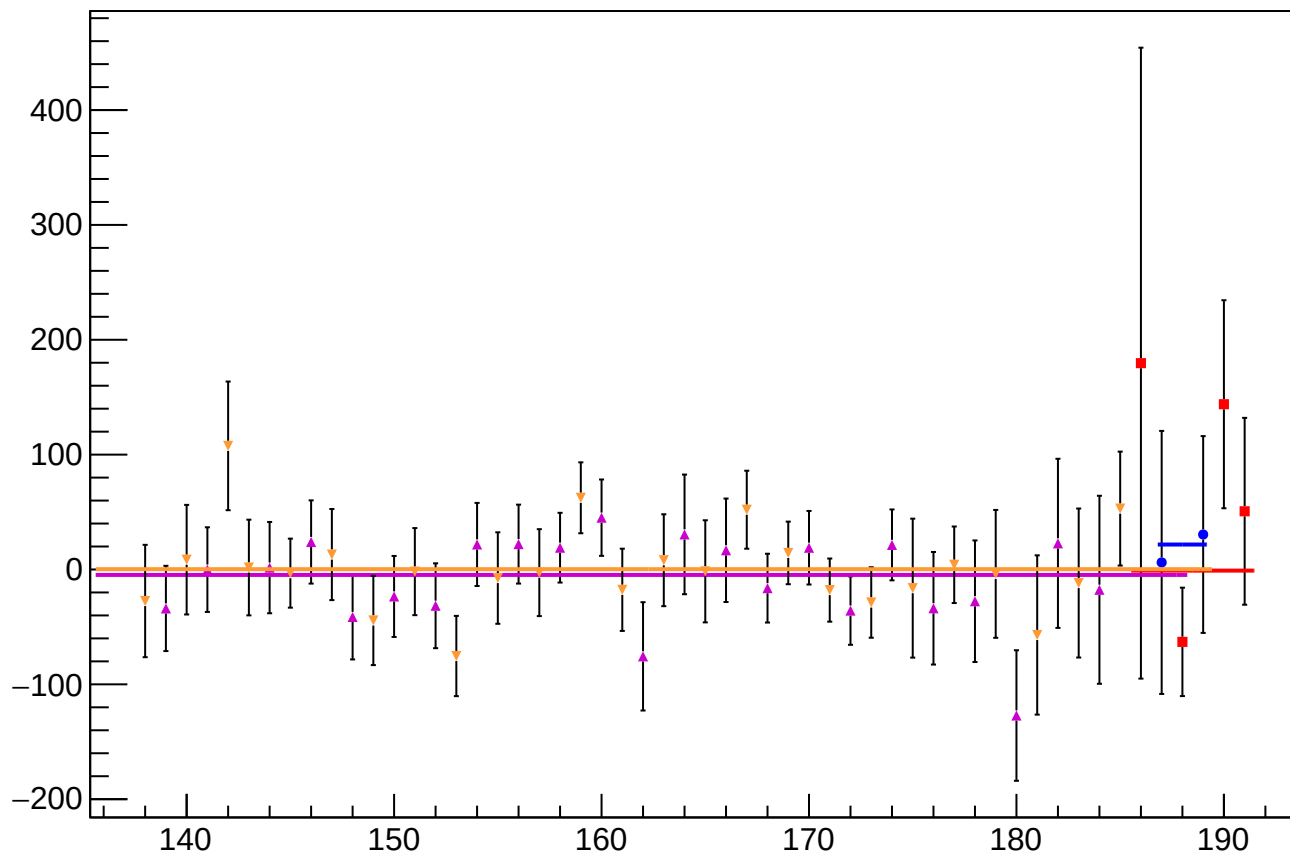
asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 2251.736+/-2.041 χ^2 /NDF: 13309.5/1
 Left Out: 689.767+/-0.116 χ^2 /NDF:1258608.7/24
 Right Out: 2534.721+/-1.352 χ^2 /NDF: 144630.2/3
 Left In: 686.944+/-0.118 χ^2 /NDF:1116042.4/22

Left: 688.376+/-0.083 χ^2 /NDF: 2374942.1/47
 Right: 2448.409+/-1.127 χ^2 /NDF: 171305.7/5
 In: 692.149+/-0.118 χ^2 /NDF:1715435.5/24
 Out: 703.288+/-0.116 χ^2 /NDF:3252253.2/28
 All: 697.813+/-0.083 χ^2 /NDF: 4972242.5/53

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: 21.726 $\pm$ 68.600 χ^2 /NDF: 0.0/1

Left Out: 0.254 $\pm$ 7.690 χ^2 /NDF:20.4/24

Right Out: -0.979 $\pm$ 36.878 χ^2 /NDF: 5.1/3

Left In: -4.745 $\pm$ 7.976 χ^2 /NDF:17.9/22

Left: -2.154 $\pm$ 5.536 χ^2 /NDF: 38.5/47

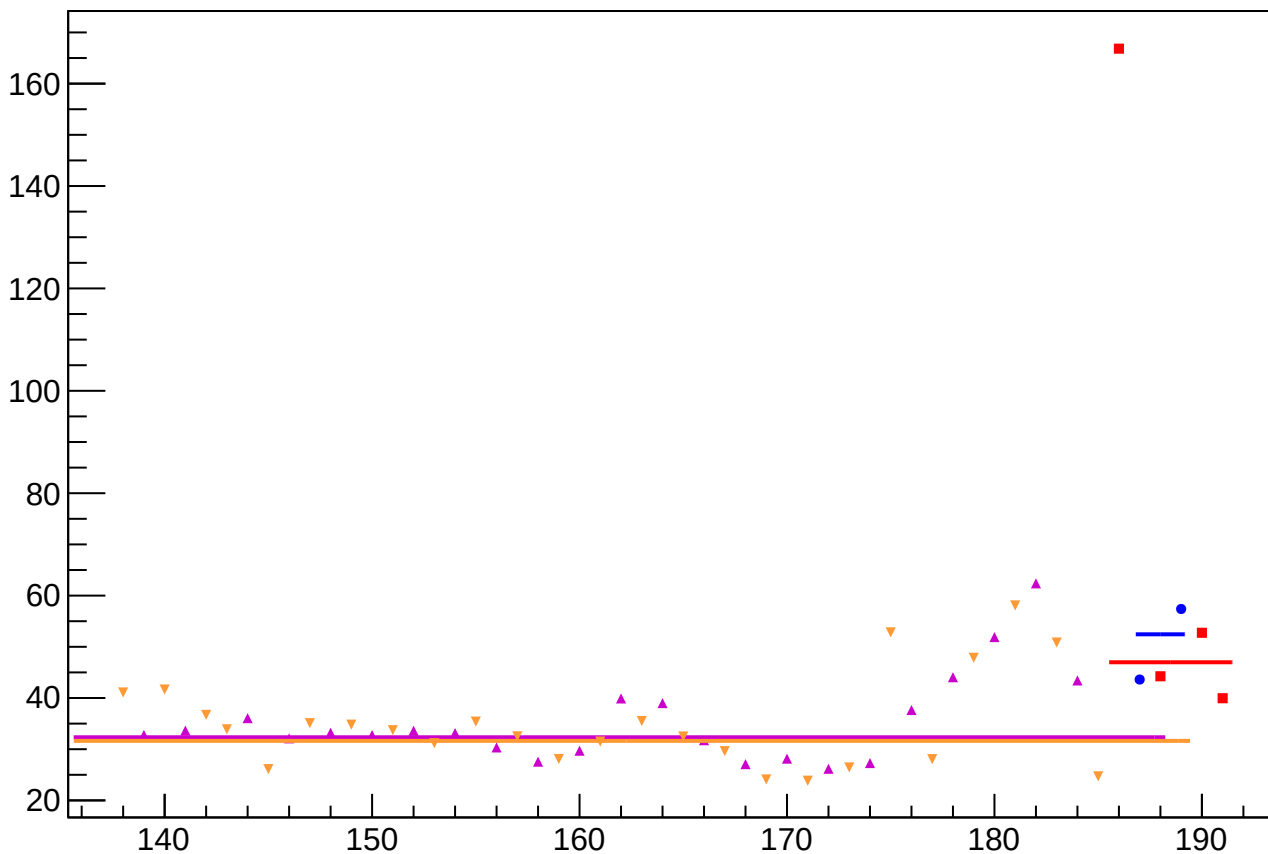
Right: 4.112 $\pm$ 32.482 χ^2 /NDF: 5.2/5

In: -4.392 $\pm$ 7.922 χ^2 /NDF:18.0/24

Out: 0.203 $\pm$ 7.528 χ^2 /NDF:25.5/28

All: -1.978 $\pm$ 5.457 χ^2 /NDF: 43.7/53

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 52.441 $\pm$ 0.049 χ^2 /NDF: 18560.2/1

Left Out: 31.624 $\pm$ 0.005 χ^2 /NDF: 1673431.1/24

Right Out: 46.981 $\pm$ 0.026 χ^2 /NDF: 410489.3/3

Left In: 32.331 $\pm$ 0.006 χ^2 /NDF: 1141501.0/22

Left: 31.965 $\pm$ 0.004 χ^2 /NDF: 2823070.9/47

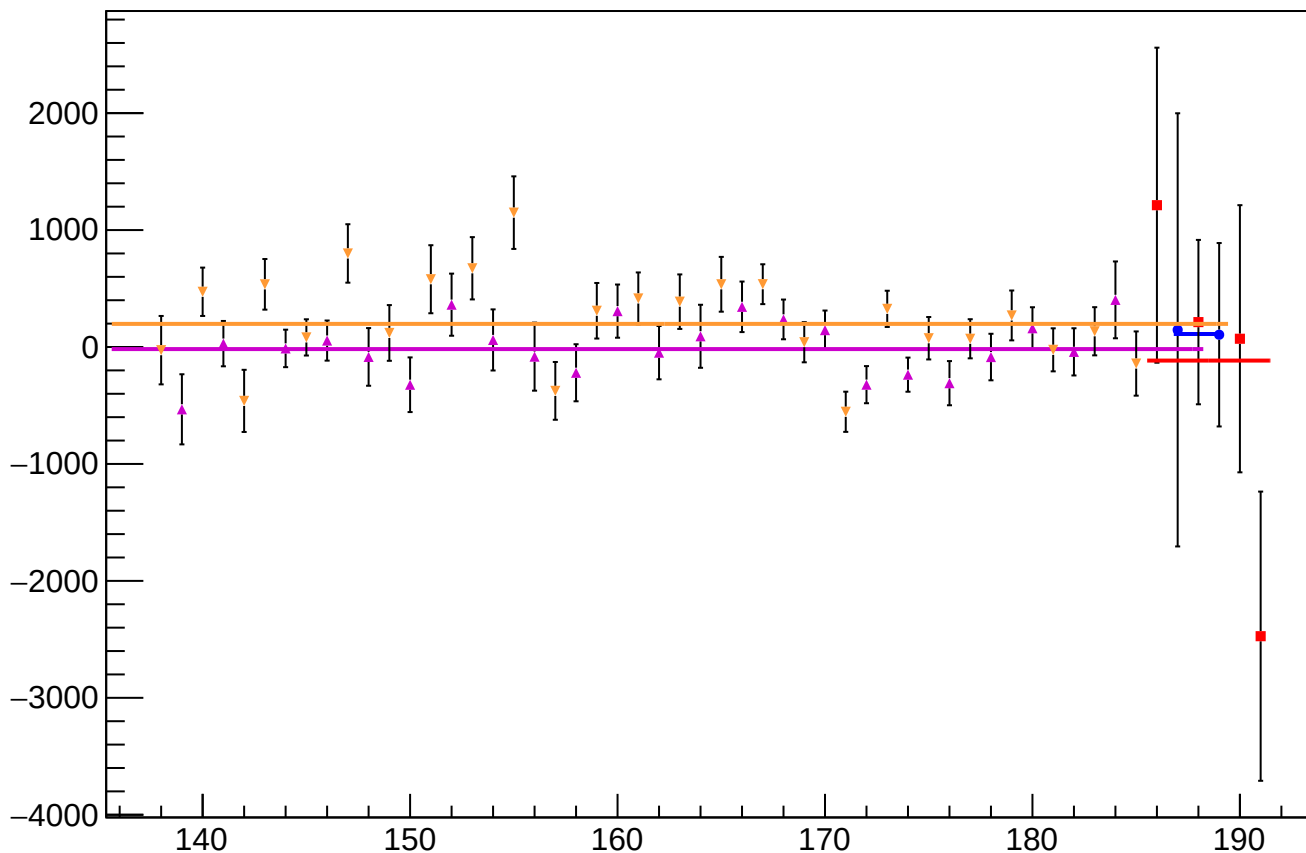
Right: 48.205 $\pm$ 0.023 χ^2 /NDF: 438877.3/5

In: 32.599 $\pm$ 0.006 χ^2 /NDF: 1329636.5/24

Out: 32.264 $\pm$ 0.005 χ^2 /NDF: 2416289.2/28

All: 32.423 $\pm$ 0.004 χ^2 /NDF: 3747805.1/53

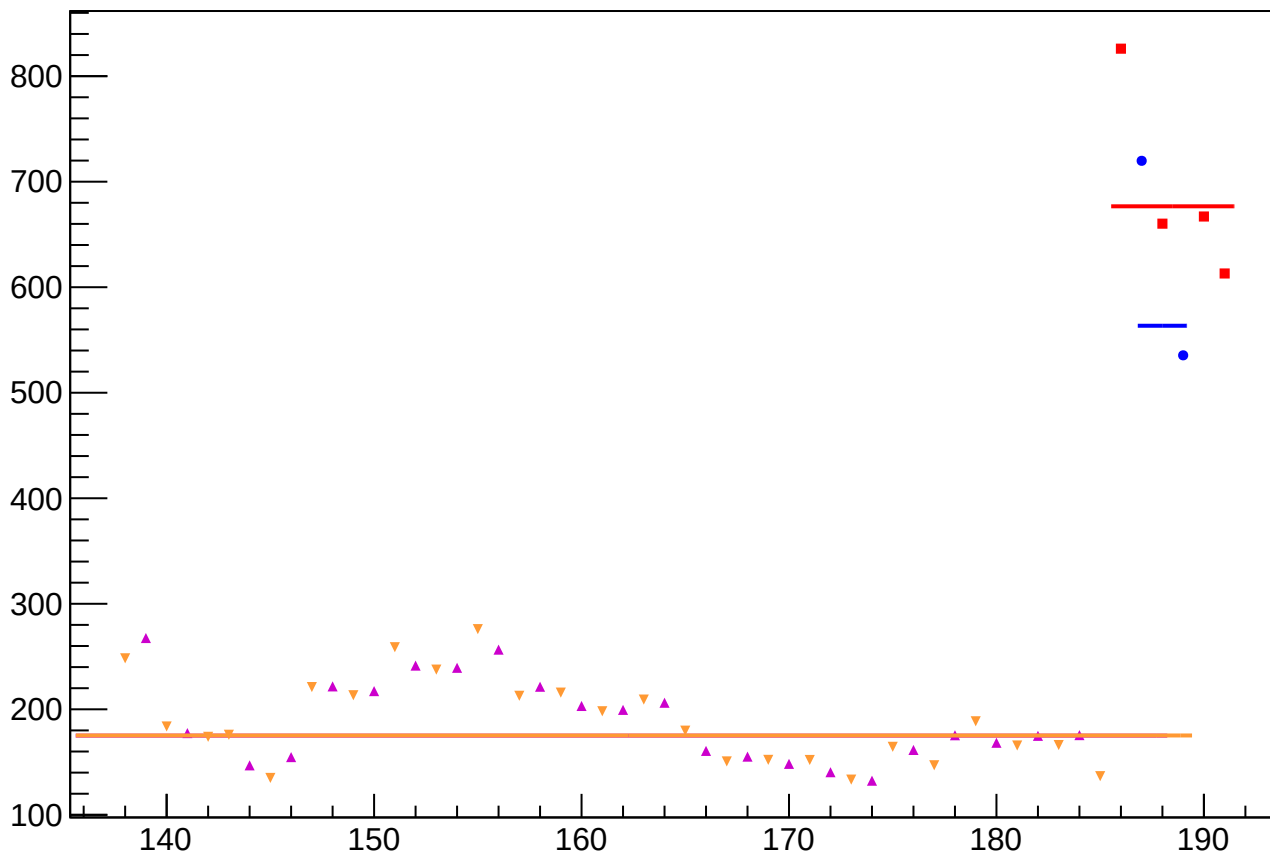
asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 111.202 $\pm$ 722.215 χ^2 /NDF: 0.0/1
 Left Out: 197.682 $\pm$ 41.831 χ^2 /NDF:69.9/24
 Right Out: -116.036 $\pm$ 500.272 χ^2 /NDF: 4.9/3
 Left In: -17.742 $\pm$ 42.576 χ^2 /NDF:27.1/22

Left: 91.870 $\pm$ 29.839 χ^2 /NDF: 110.0/47
 Right: -42.356 $\pm$ 411.246 χ^2 /NDF: 4.9/5
 In: -17.295 $\pm$ 42.502 χ^2 /NDF:27.1/24
 Out: 195.504 $\pm$ 41.686 χ^2 /NDF:75.1/28
 All: 91.167 $\pm$ 29.761 χ^2 /NDF: 115.0/53

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 563.481+/-0.511 χ^2/NDF : 16797.7/1

Left Out: 175.207+/-0.030 χ^2/NDF : 1418225.0/24

Right Out: 676.669+/-0.354 χ^2/NDF : 31135.8/3

Left In: 175.051+/-0.030 χ^2/NDF : 1339755.1/22

Left: 175.130+/-0.021 χ^2/NDF : 2757993.8/47

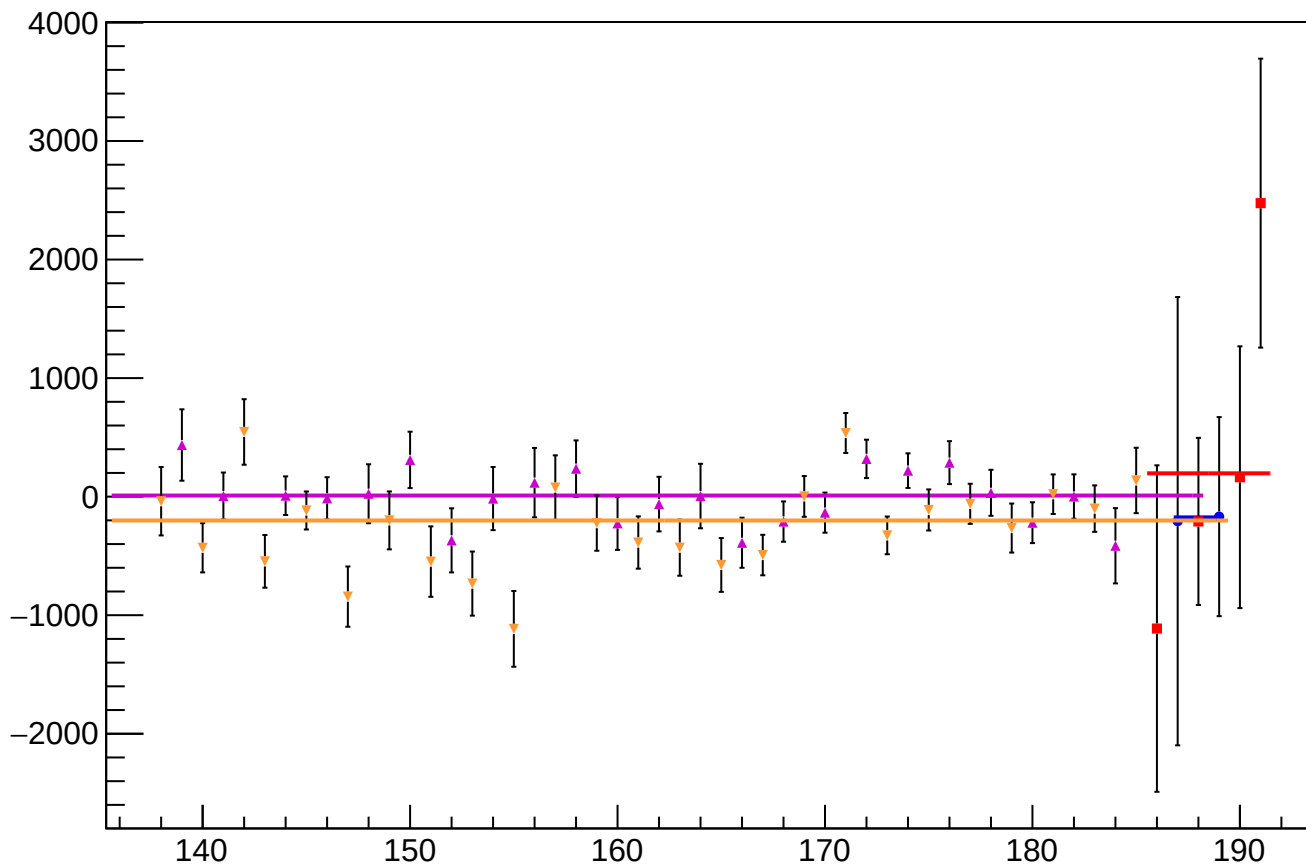
Right: 639.968+/-0.291 χ^2/NDF : 81129.7/5

In: 176.396+/-0.030 χ^2/NDF : 1933075.4/24

Out: 178.689+/-0.029 χ^2/NDF : 3444928.9/28

All: 177.565+/-0.021 χ^2/NDF : 5380971.0/53

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -174.929+/-767.345 χ^2/NDF : 0.0/1

Left Out: -200.930+/-41.741 χ^2/NDF : 65.5/24

Right Out: 196.755+/-497.893 χ^2/NDF : 4.7/3

Left In: 9.384+/-42.437 χ^2/NDF : 25.4/22

Left: -97.511+/-29.758 χ^2/NDF : 103.4/47

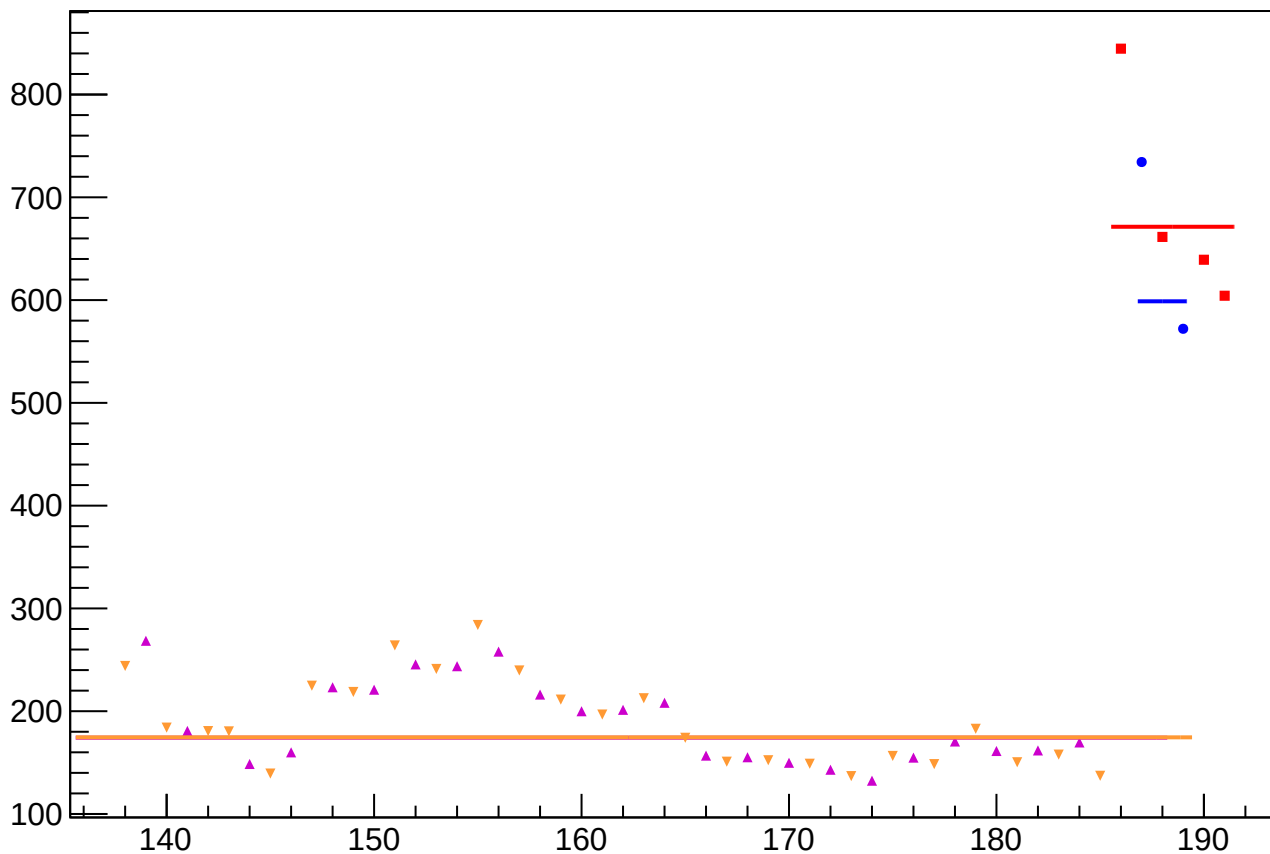
Right: 86.635+/-417.674 χ^2/NDF : 4.9/5

In: 8.822+/-42.372 χ^2/NDF : 25.5/24

Out: -198.155+/-41.595 χ^2/NDF : 70.9/28

All: -96.581+/-29.683 χ^2/NDF : 108.5/53

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 598.812 $\pm$ 0.543 χ^2 /NDF: 12303.2/1

Left Out: 174.567 $\pm$ 0.030 χ^2 /NDF:1532900.3/24

Right Out: 671.345 $\pm$ 0.352 χ^2 /NDF: 39817.3/3

Left In: 174.217 $\pm$ 0.030 χ^2 /NDF:1364600.9/22

Left: 174.395 $\pm$ 0.021 χ^2 /NDF: 2897570.3/47

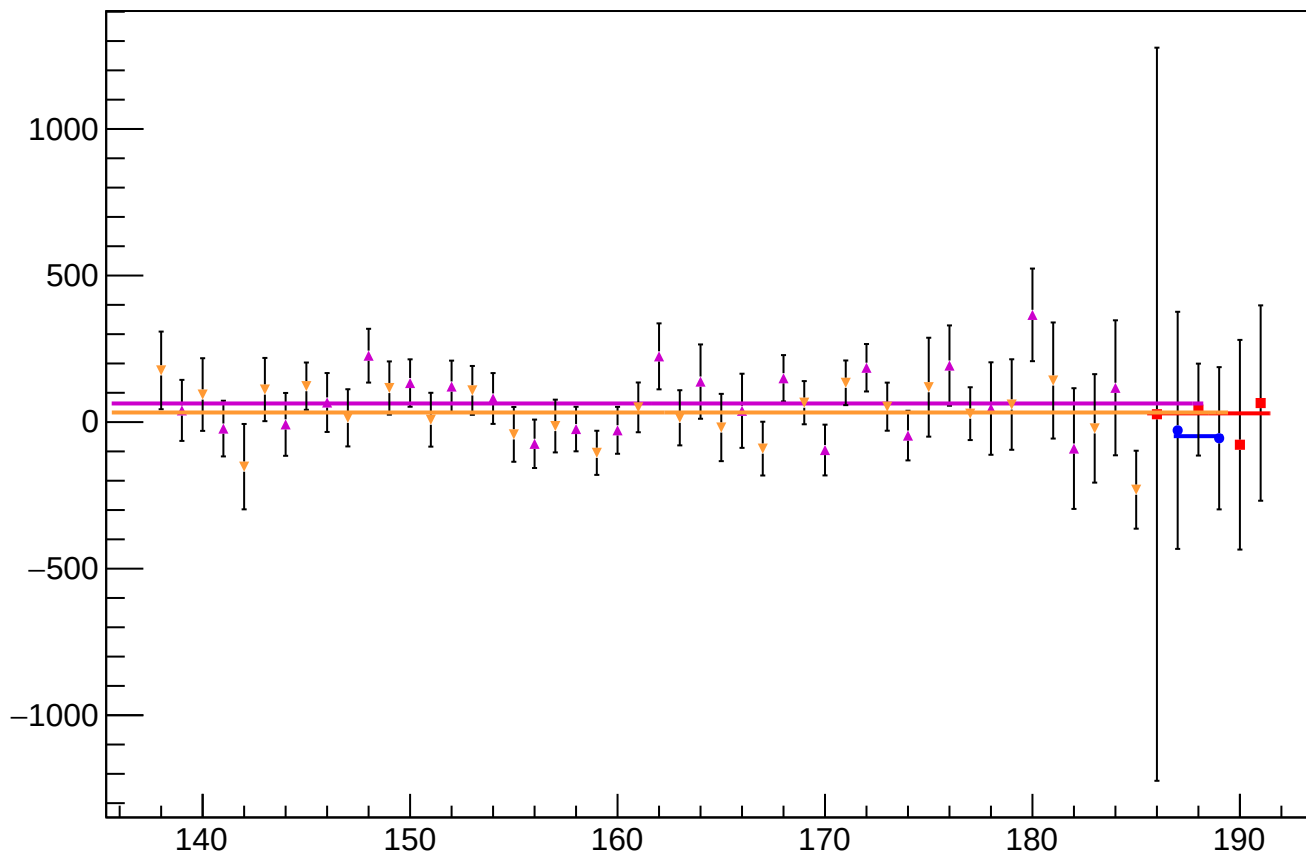
Right: 649.855 $\pm$ 0.295 χ^2 /NDF: 64695.7/5

In: 175.512 $\pm$ 0.030 χ^2 /NDF:1987385.8/24

Out: 178.034 $\pm$ 0.029 χ^2 /NDF:3549876.9/28

All: 176.796 $\pm$ 0.021 χ^2 /NDF: 5540872.0/53

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: -47.978 ± 208.068 χ^2/NDF : 0.0/1

Left Out: 32.793 ± 19.705 χ^2/NDF : 19.5/24

Right Out: 29.818 ± 131.164 χ^2/NDF : 0.1/3

Left In: 63.566 ± 20.573 χ^2/NDF : 27.2/22

Left: 47.517 ± 14.231 χ^2/NDF : 47.9/47

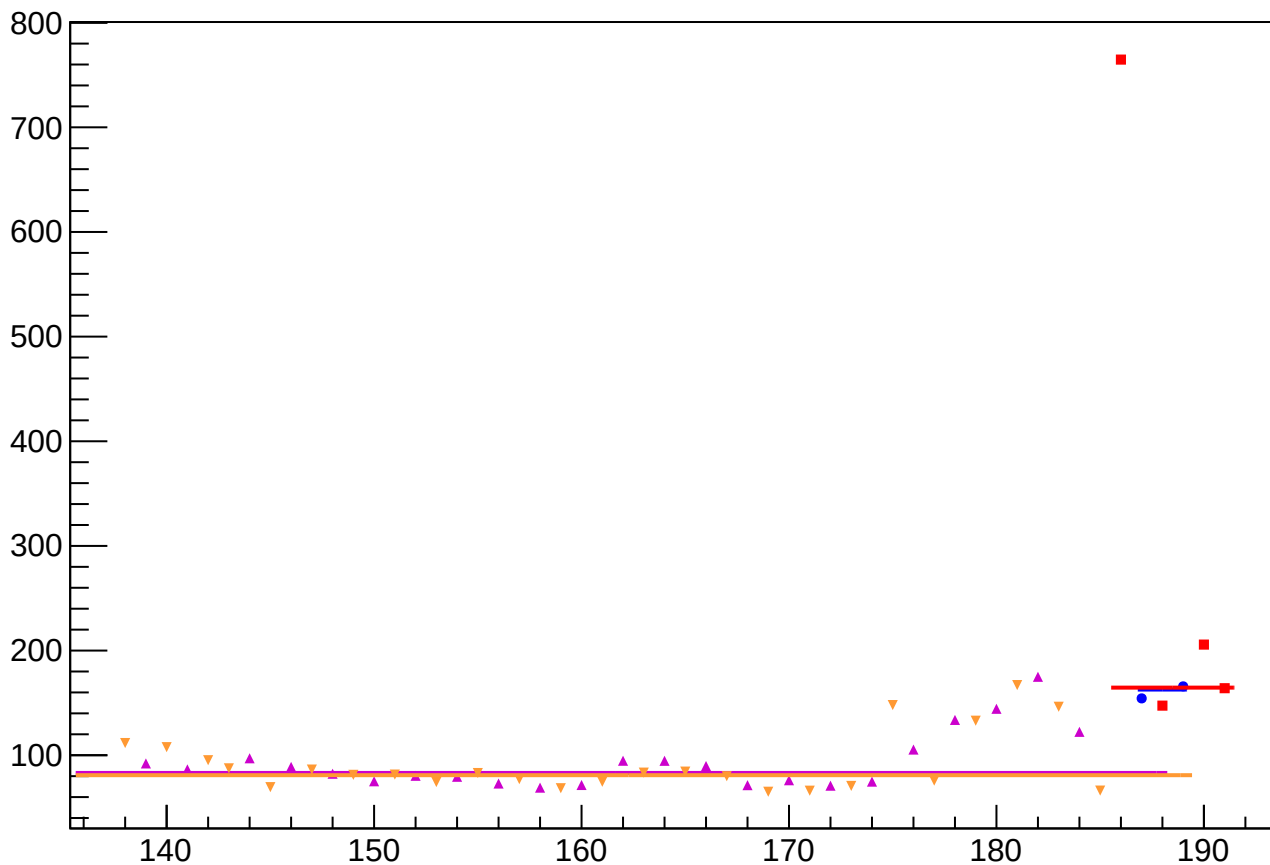
Right: 7.695 ± 110.957 χ^2/NDF : 0.2/5

In: 62.486 ± 20.474 χ^2/NDF : 27.4/24

Out: 32.728 ± 19.487 χ^2/NDF : 19.6/28

All: 46.872 ± 14.115 χ^2/NDF : 48.2/53

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 162.758 $\pm$ 0.147 χ^2 /NDF: 1186.4/1

Left Out: 80.926 $\pm$ 0.014 χ^2 /NDF:1760910.0/24

Right Out: 164.598 $\pm$ 0.093 χ^2 /NDF: 511087.4/3

Left In: 83.071 $\pm$ 0.015 χ^2 /NDF:1405124.8/22

Left: 81.952 $\pm$ 0.010 χ^2 /NDF: 3177364.3/47

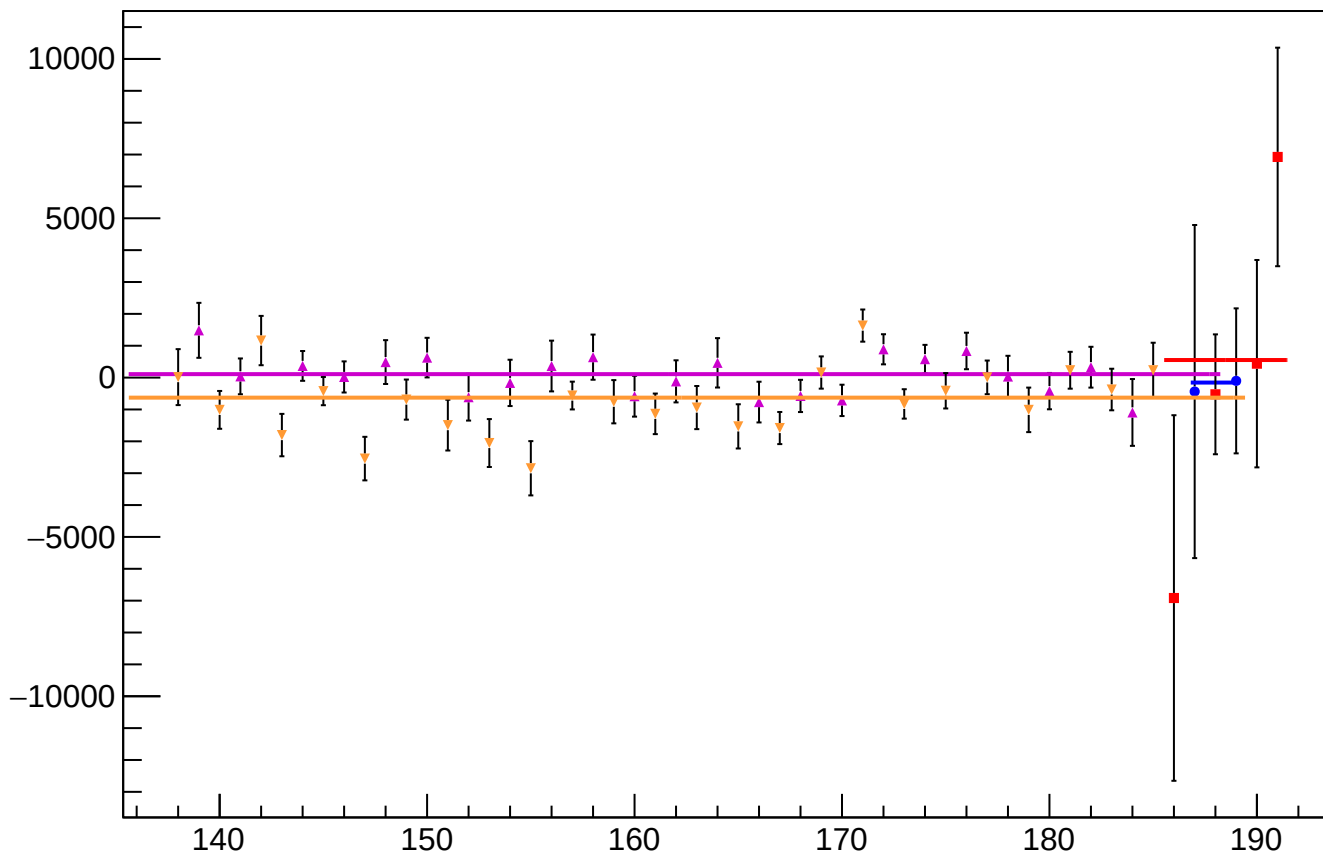
Right: 164.075 $\pm$ 0.078 χ^2 /NDF: 512385.7/5

In: 83.842 $\pm$ 0.014 χ^2 /NDF:1696832.0/24

Out: 82.773 $\pm$ 0.014 χ^2 /NDF:3067907.6/28

All: 83.281 $\pm$ 0.010 χ^2 /NDF: 4767599.7/53

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -155.893+/-2086.197 χ^2/NDF : 0.0/1

Left Out: -629.005+/-120.608 χ^2/NDF : 63.2/24

Right Out: 551.568+/-1425.031 χ^2/NDF : 5.5/3

Left In: 108.821+/-125.527 χ^2/NDF : 21.4/22

Left: -274.832+/-86.970 χ^2/NDF : 102.6/47

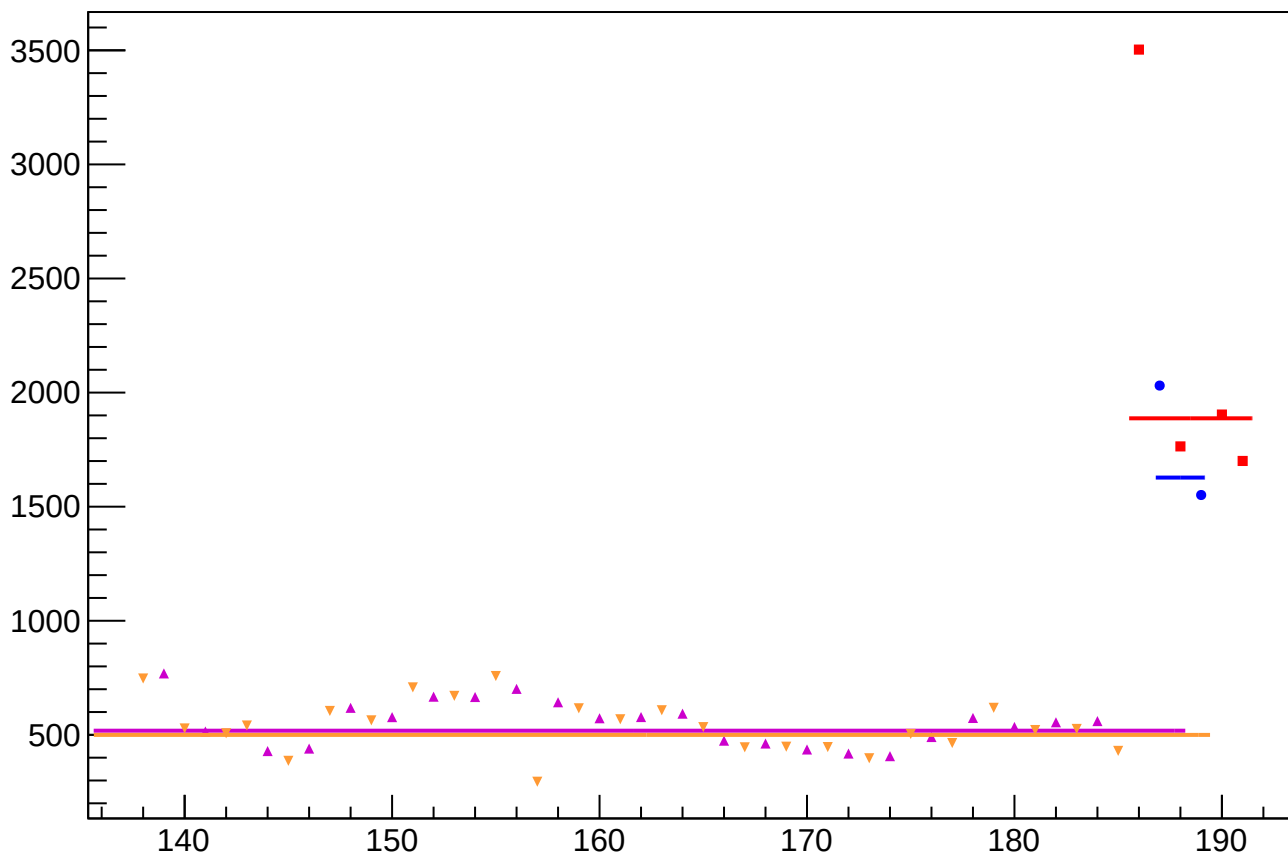
Right: 326.491+/-1176.710 χ^2/NDF : 5.6/5

In: 107.867+/-125.301 χ^2/NDF : 21.5/24

Out: -620.609+/-120.178 χ^2/NDF : 69.3/28

All: -271.566+/-86.733 χ^2/NDF : 108.4/53

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 1627.560+/-1.475 χ^2/NDF : 14153.5/1

Left Out: 499.813+/-0.085 χ^2/NDF :1626530.8/24

Right Out: 1887.245+/-1.008 χ^2/NDF : 173258.2/3

Left In: 518.244+/-0.089 χ^2/NDF :1071993.3/22

Left: 508.660+/-0.061 χ^2/NDF : 2720944.9/47

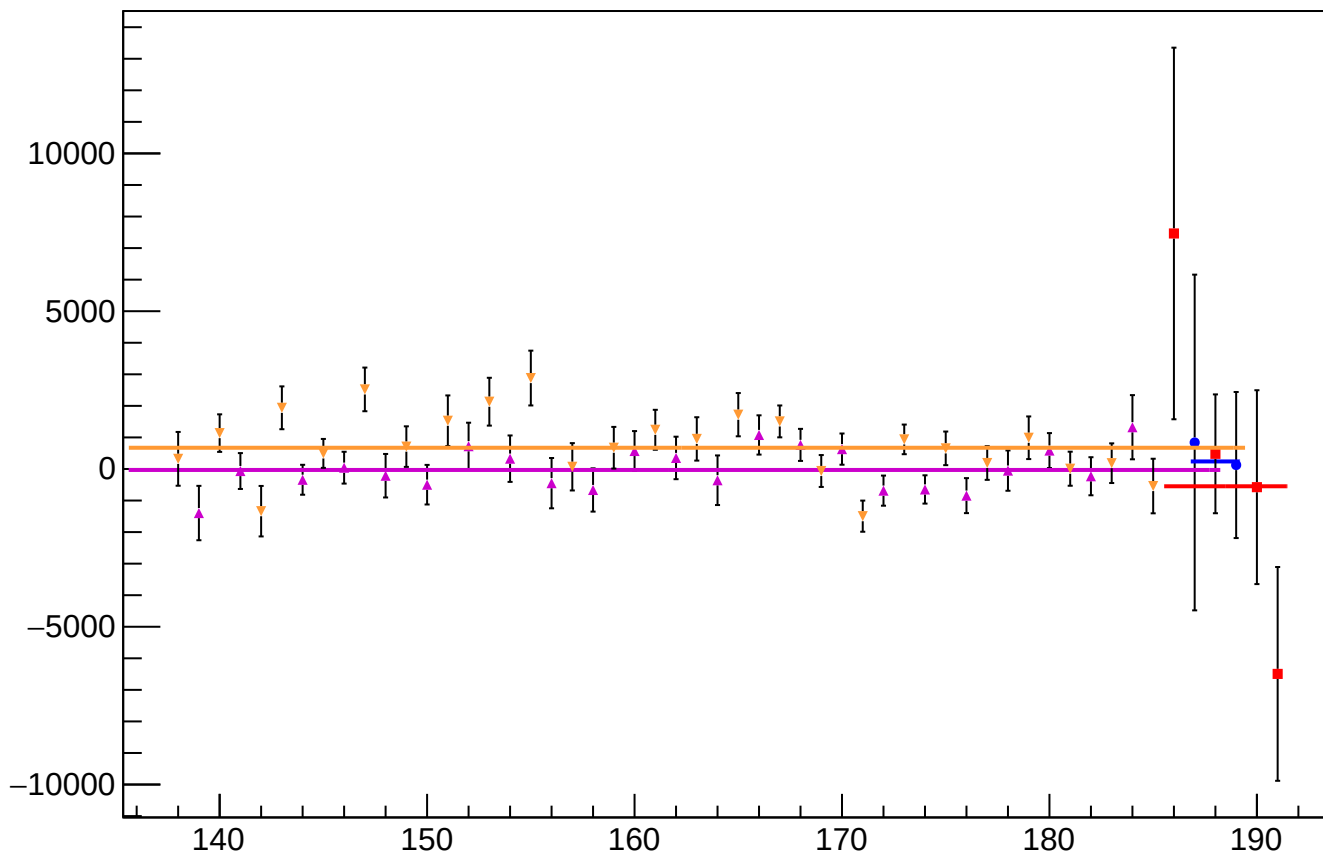
Right: 1804.627+/-0.832 χ^2/NDF : 208541.8/5

In: 522.246+/-0.089 χ^2/NDF :1649603.4/24

Out: 509.681+/-0.085 χ^2/NDF :3682158.2/28

All: 515.701+/-0.061 χ^2/NDF : 5342237.5/53

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 238.964 $\pm$ 2122.447 χ^2 /NDF: 0.0/1

Left Out: 672.498 $\pm$ 123.428 χ^2 /NDF:62.8/24

Right Out: -548.230 $\pm$ 1408.636 χ^2 /NDF: 5.2/3

Left In: -31.056 $\pm$ 125.236 χ^2 /NDF:23.8/22

Left: 325.838 $\pm$ 87.909 χ^2 /NDF: 102.6/47

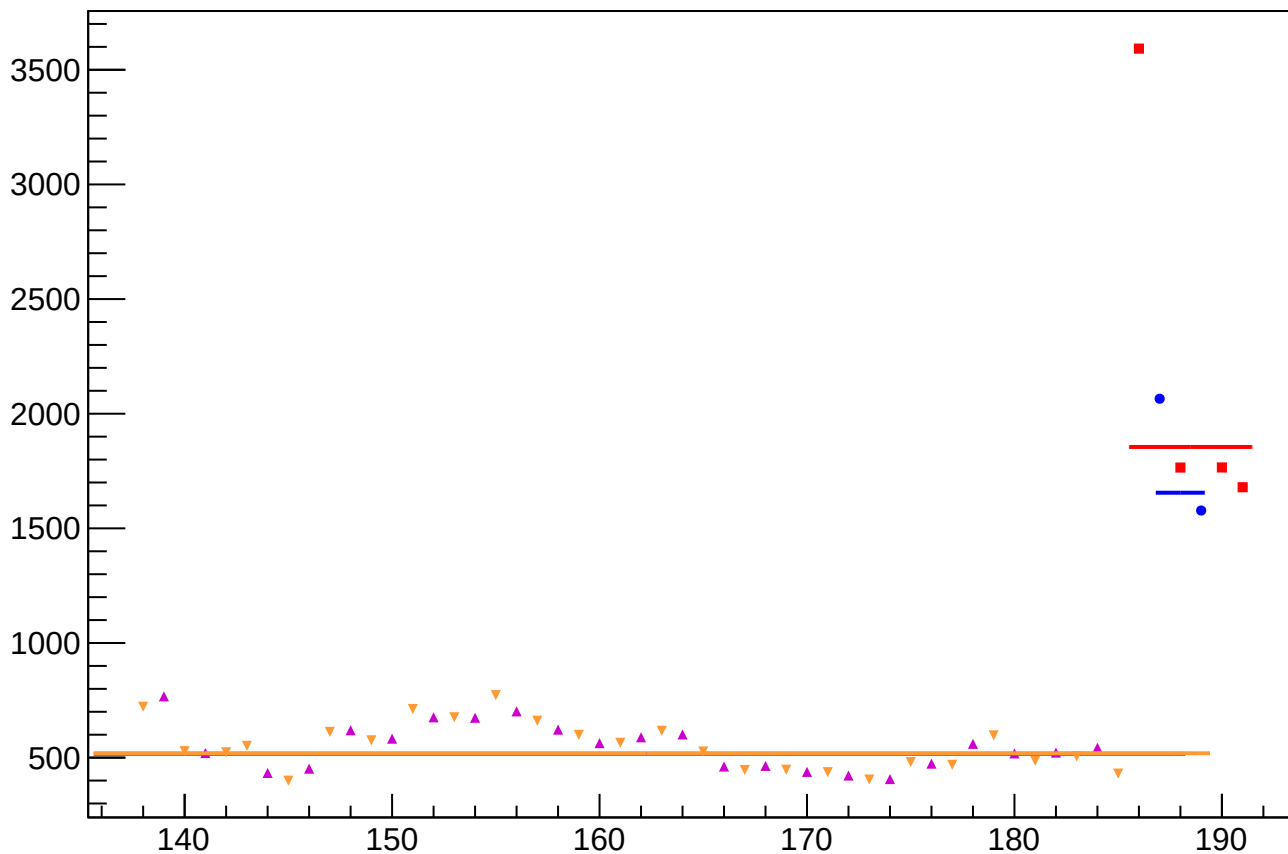
Right: -307.517 $\pm$ 1173.669 χ^2 /NDF: 5.3/5

In: -30.119 $\pm$ 125.019 χ^2 /NDF:23.9/24

Out: 663.197 $\pm$ 122.957 χ^2 /NDF:68.7/28

All: 322.304 $\pm$ 87.664 χ^2 /NDF: 108.2/53

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 1655.429+/-1.501 χ^2/NDF : 14124.9/1

Left Out: 518.935+/-0.087 χ^2/NDF : 1172613.9/24

Right Out: 1855.012+/-0.996 χ^2/NDF : 185746.3/3

Left In: 516.594+/-0.089 χ^2/NDF : 1036092.8/22

Left: 517.782+/-0.062 χ^2/NDF : 2209061.2/47

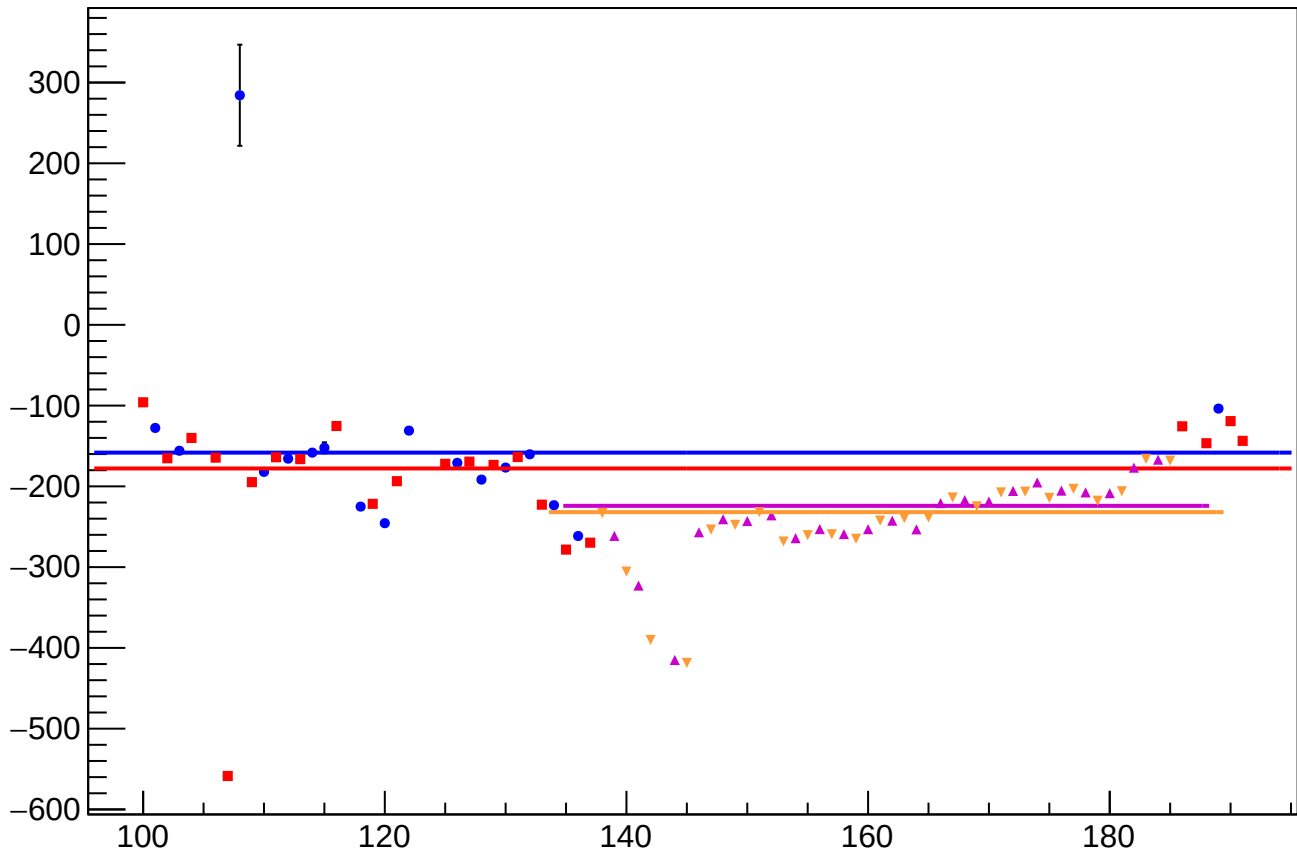
Right: 1793.982+/-0.830 χ^2/NDF : 212148.3/5

In: 520.545+/-0.088 χ^2/NDF : 1624028.5/24

Out: 529.115+/-0.087 χ^2/NDF : 3143915.8/28

All: 524.901+/-0.062 χ^2/NDF : 4772720.8/53

dit_usl_4aX_slope vs Slug, Sign Corrected



Right In: -158.222+/-0.000 χ^2/NDF : 118190.6/16

Left Out: -231.902+/-0.108 χ^2/NDF : 110473.4/23

Right Out: -177.839+/-0.138 χ^2/NDF : 210825.5/21

Left In: -224.103+/-0.098 χ^2/NDF : 153347.0/22

Left: -227.631+/-0.073 χ^2/NDF : 266668.8/46

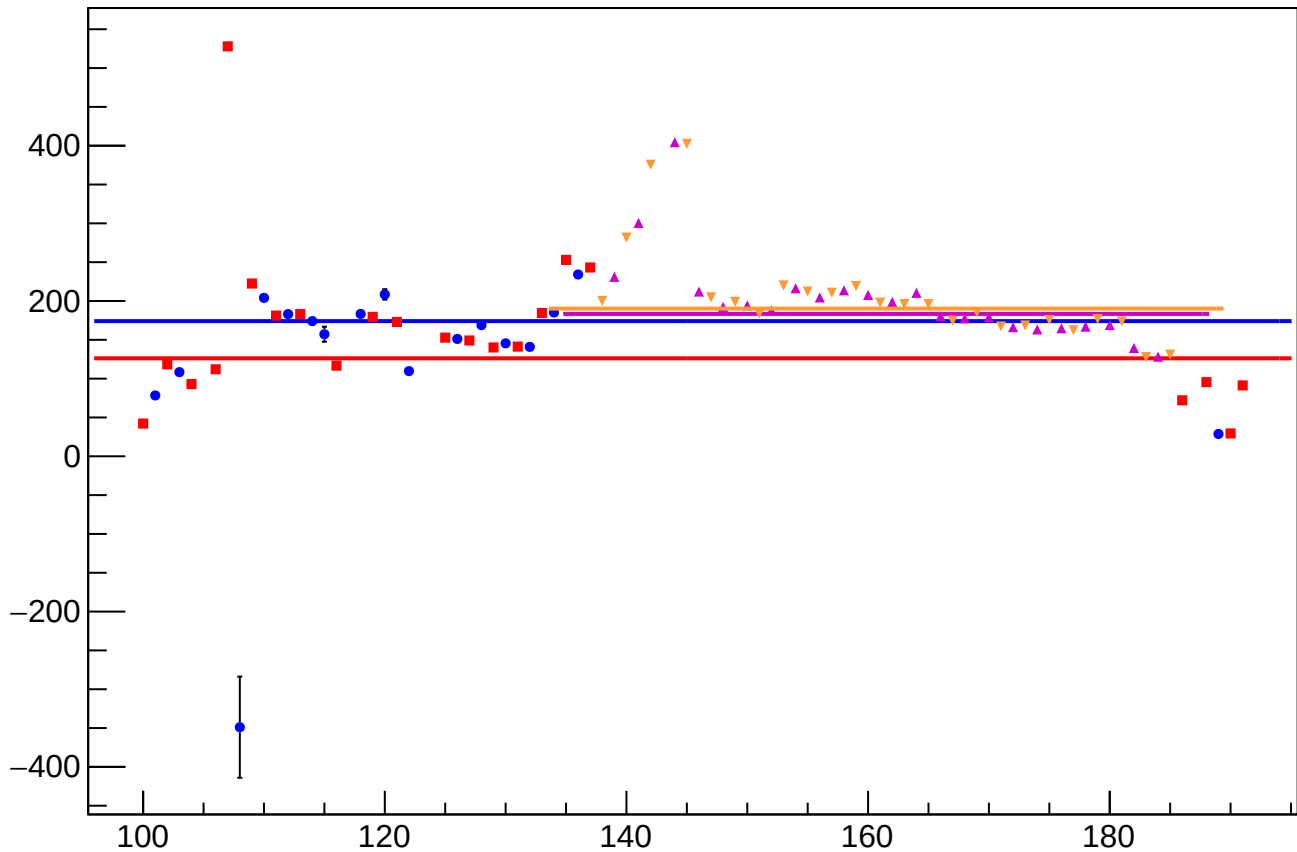
Right: -158.222+/-0.000 χ^2/NDF : 349283.6/38

In: -158.222+/-0.000 χ^2/NDF : 720861.3/39

Out: -211.295+/-0.085 χ^2/NDF : 416551.8/45

All: -158.222+/-0.000 χ^2/NDF : 1526591.4/85

dit_usl_4eX_slope vs Slug, Sign Corrected



Right In: 174.085 $\pm$ 0.000 χ^2 /NDF: 54736.4/16

Left Out: 190.208 $\pm$ 0.109 χ^2 /NDF:99613.5/23

Right Out: 126.206 $\pm$ 0.154 χ^2 /NDF: 208673.4/21

Left In: 183.362 $\pm$ 0.099 χ^2 /NDF:155441.6/22

Left: 186.466 $\pm$ 0.073 χ^2 /NDF: 257224.0/46

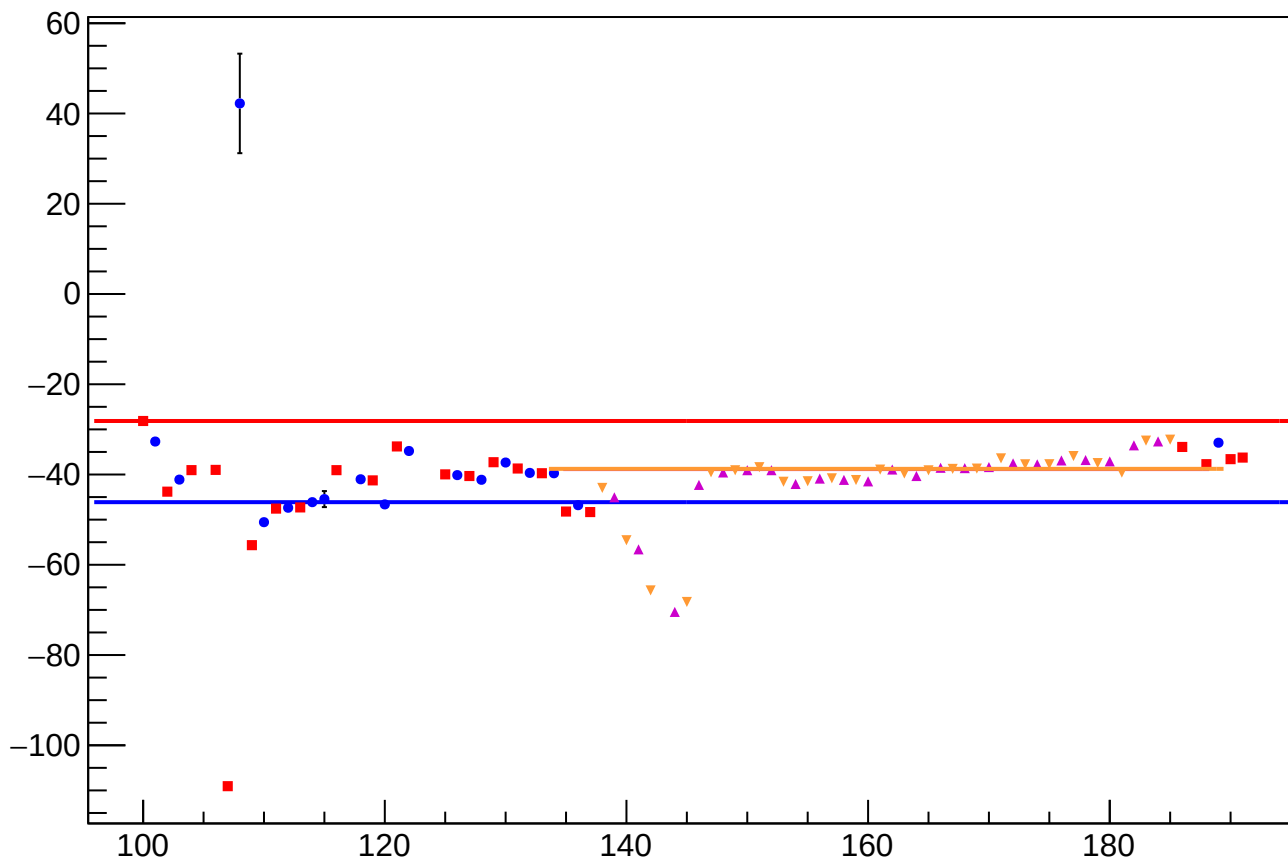
Right: 174.085 $\pm$ 0.000 χ^2 /NDF: 360682.6/38

In: 174.085 $\pm$ 0.000 χ^2 /NDF:218963.9/39

Out: 168.844 $\pm$ 0.089 χ^2 /NDF:424081.5/45

All: 174.085 $\pm$ 0.000 χ^2 /NDF: 646537.3/85

dit_usl_11X12X_slope vs Slug, Sign Corrected



Right In: -46.126 ± 0.000 $\chi^2/\text{NDF}: 411089.4/16$

Left Out: -38.745 ± 0.006 $\chi^2/\text{NDF}: 400638.0/23$

Right Out: -28.139 ± 0.000 $\chi^2/\text{NDF}: 829518.4/21$

Left In: -38.794 ± 0.007 $\chi^2/\text{NDF}: 321993.9/22$

Left: -38.767 ± 0.004 $\chi^2/\text{NDF}: 722662.8/46$

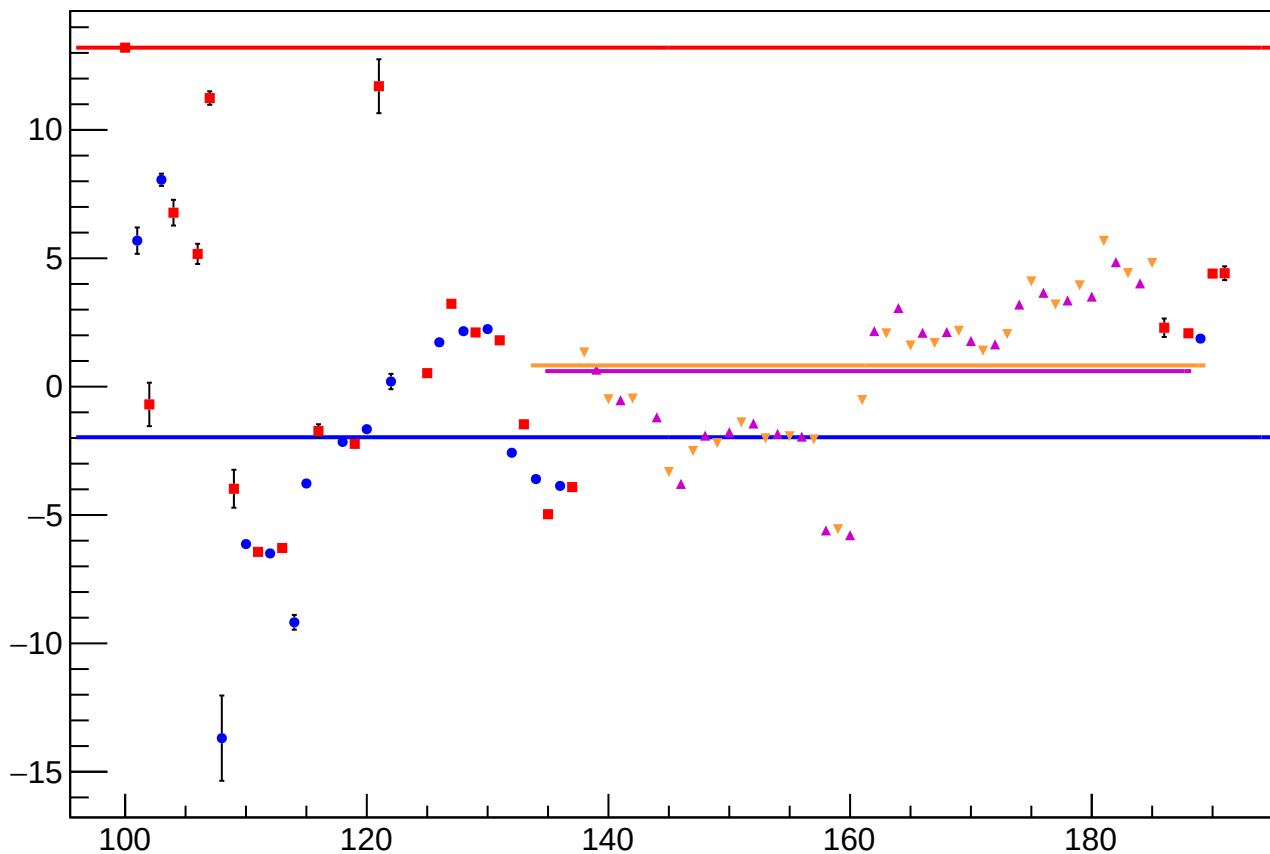
Right: -39.778 ± 0.000 $\chi^2/\text{NDF}: 248795993231659$

In: -46.126 ± 0.000 $\chi^2/\text{NDF}: 1988817.5/39$

Out: -28.139 ± 0.000 $\chi^2/\text{NDF}: 4486611.8/45$

All: -39.778 ± 0.000 $\chi^2/\text{NDF}: 248795993231$

dit_usl_4aY_slope vs Slug, Sign Corrected



Right In: -1.970 ± 0.018 χ^2/NDF : 26786.1/16

Left Out: 0.828 ± 0.006 χ^2/NDF : 255303.5/23

Right Out: 13.204 ± 0.000 χ^2/NDF : 533567.8/21

Left In: 0.606 ± 0.005 χ^2/NDF : 331282.7/22

Left: 0.696 ± 0.004 χ^2/NDF : 587368.1/46

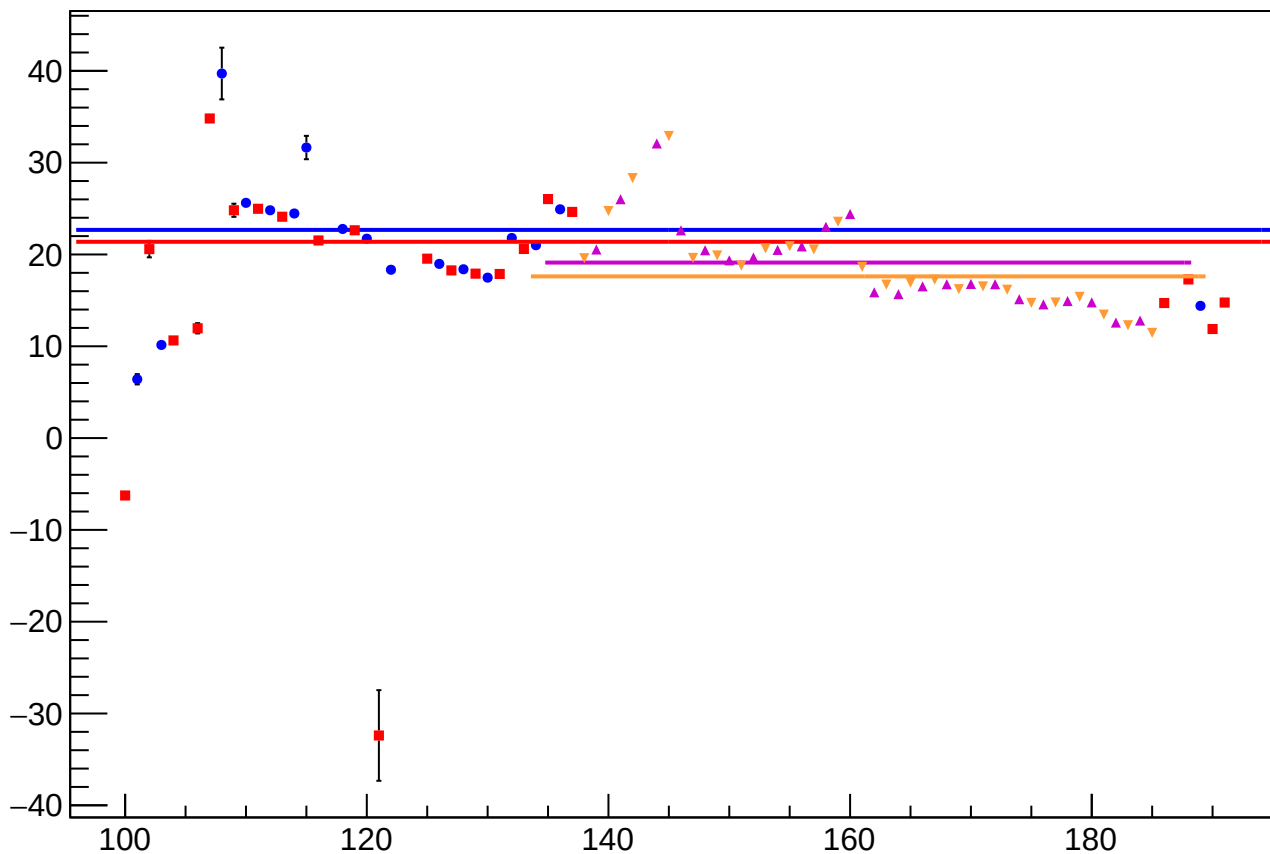
Right: 13.204 ± 0.000 χ^2/NDF : 1302177.1/38

In: 0.410 ± 0.005 χ^2/NDF : 377826.4/39

Out: 13.204 ± 0.000 χ^2/NDF : 4870376.5/45

All: 13.204 ± 0.000 χ^2/NDF : 12190513.8/85

dit_usl_4eY_slope vs Slug, Sign Corrected



Right In: 22.678 ± 0.019 χ^2/NDF : 23530.6/16

Left Out: 17.613 ± 0.007 χ^2/NDF : 178438.8/23

Right Out: 21.381 ± 0.021 χ^2/NDF : 31686.6/21

Left In: 19.117 ± 0.007 χ^2/NDF : 229353.0/22

Left: 18.369 ± 0.005 χ^2/NDF : 430183.3/46

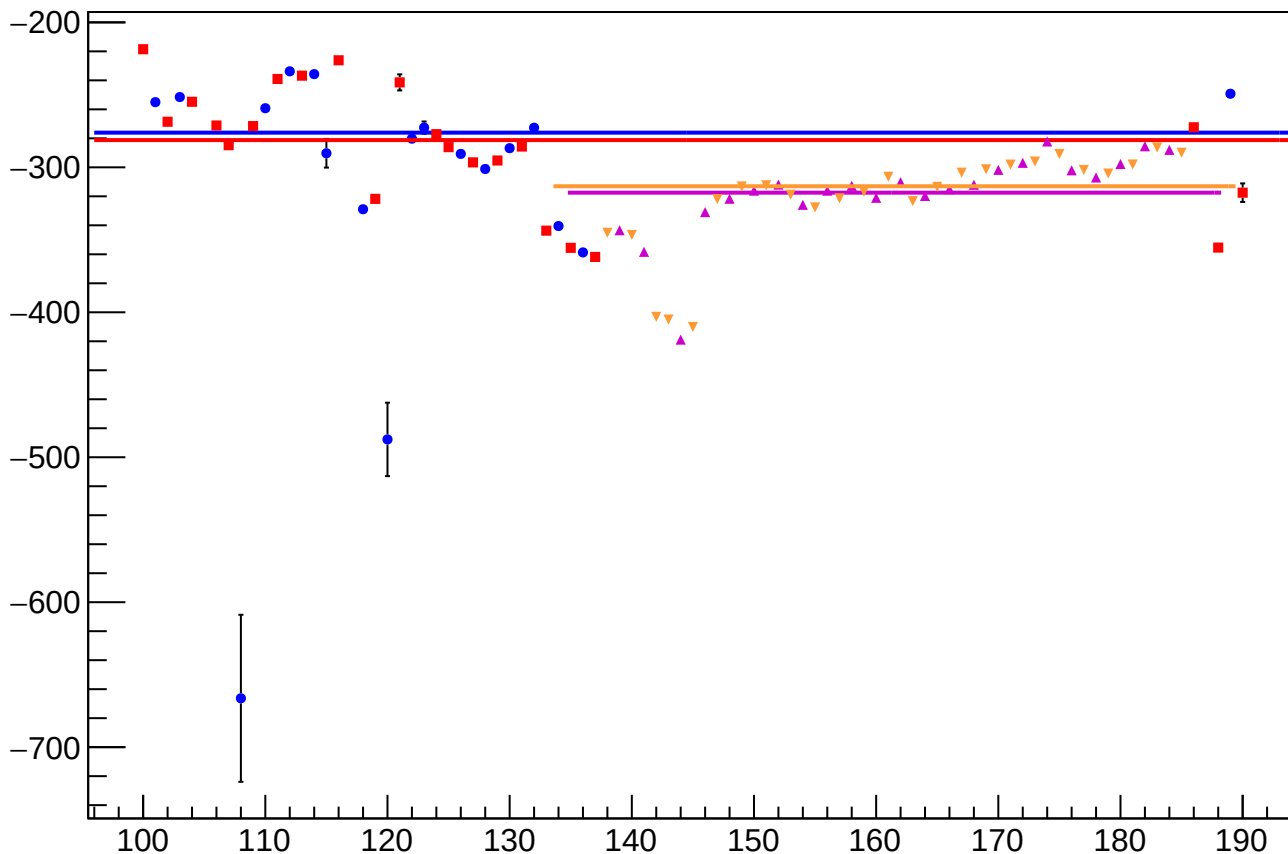
Right: 22.093 ± 0.014 χ^2/NDF : 57382.6/38

In: 19.565 ± 0.007 χ^2/NDF : 284531.5/39

Out: 18.014 ± 0.007 χ^2/NDF : 239887.8/45

All: 18.801 ± 0.005 χ^2/NDF : 551325.8/85

dit_usr_4aX_slope vs Slug, Sign Corrected



Right In: -276.079 ± 0.166 $\chi^2/\text{NDF}: 58227.1/17$

Left Out: -313.052 ± 0.096 $\chi^2/\text{NDF}: 54405.8/24$

Right Out: -281.212 ± 0.135 $\chi^2/\text{NDF}: 83655.9/21$

Left In: -317.471 ± 0.095 $\chi^2/\text{NDF}: 63067.6/22$

Left: -315.276 ± 0.068 $\chi^2/\text{NDF}: 118543.8/47$

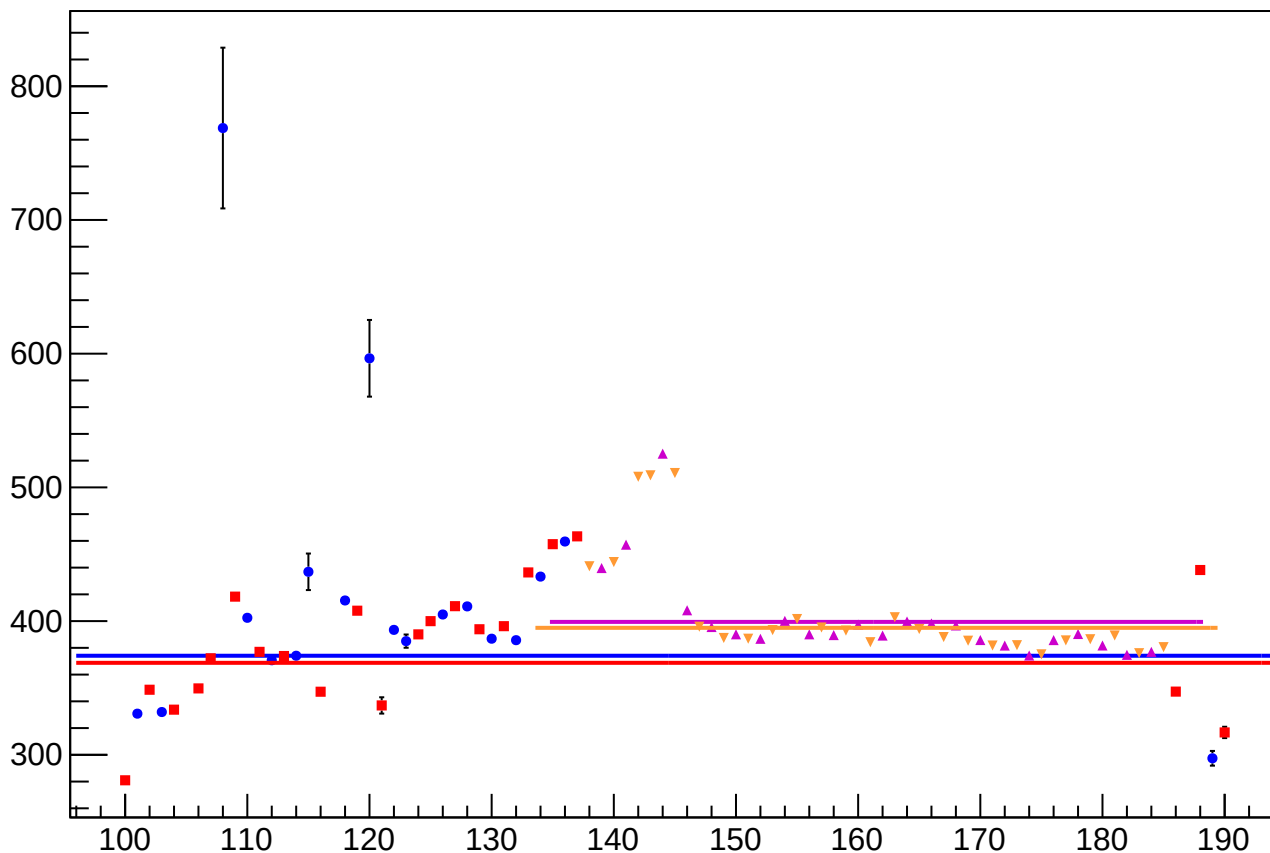
Right: -279.173 ± 0.105 $\chi^2/\text{NDF}: 142458.2/39$

In: -307.242 ± 0.083 $\chi^2/\text{NDF}: 168001.7/40$

Out: -302.377 ± 0.078 $\chi^2/\text{NDF}: 175073.0/46$

All: -304.674 ± 0.057 $\chi^2/\text{NDF}: 344905.1/87$

dit_usr_4eX_slope vs Slug, Sign Corrected



Right In: 374.094+/-0.000 χ^2/NDF : 35266.3/17

Left Out: 394.968+/-0.096 χ^2/NDF : 68076.2/24

Right Out: 368.801+/-0.139 χ^2/NDF : 118150.5/21

Left In: 399.410+/-0.097 χ^2/NDF : 77209.0/22

Left: 397.169+/-0.068 χ^2/NDF : 146345.7/47

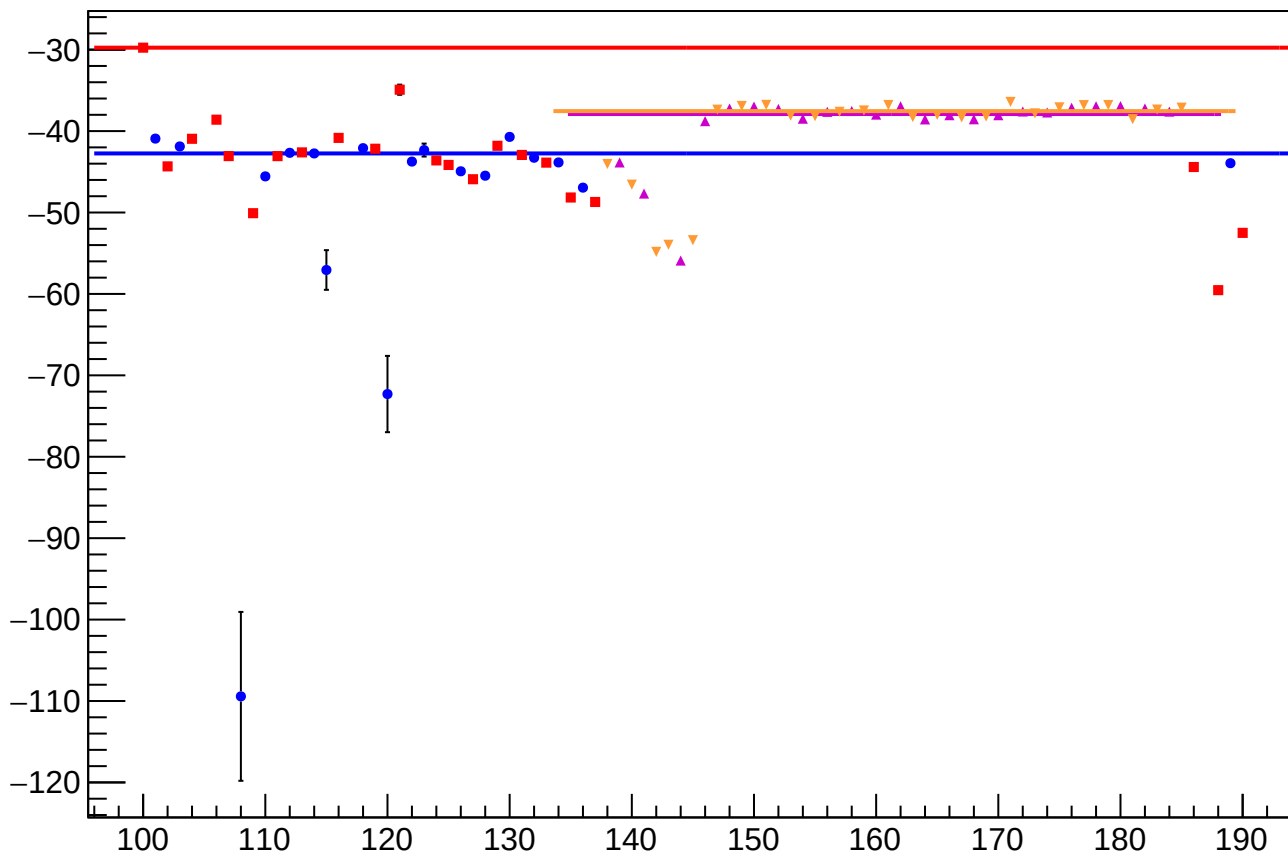
Right: 374.094+/-0.000 χ^2/NDF : 154863.6/39

In: 374.094+/-0.000 χ^2/NDF : 180780.4/40

Out: 386.528+/-0.079 χ^2/NDF : 210186.2/46

All: 374.094+/-0.000 χ^2/NDF : 415724.5/87

dit_usr_11X12X_slope vs Slug, Sign Corrected



Right In: -42.744 ± 0.000 $\chi^2/\text{NDF}: 13626.7/17$

Left Out: -37.547 ± 0.004 $\chi^2/\text{NDF}: 267131.7/24$

Right Out: -29.754 ± 0.000 $\chi^2/\text{NDF}: 547009.6/21$

Left In: -37.903 ± 0.004 $\chi^2/\text{NDF}: 156960.8/22$

Left: -37.711 ± 0.003 $\chi^2/\text{NDF}: 428070.7/47$

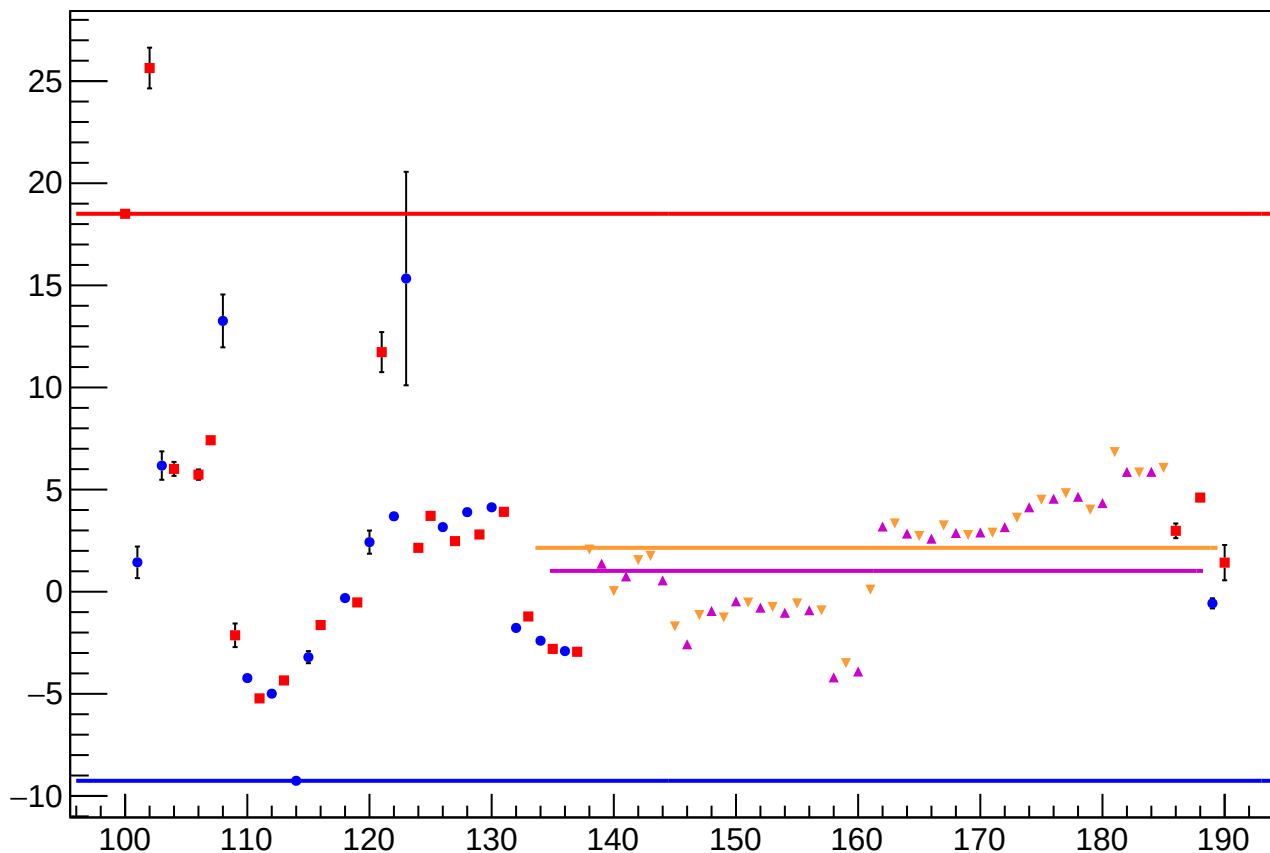
Right: -38.159 ± 0.000 $\chi^2/\text{NDF}: 129765212680709$

In: -42.744 ± 0.000 $\chi^2/\text{NDF}: 1532481.0/40$

Out: -29.754 ± 0.000 $\chi^2/\text{NDF}: 4941926.0/46$

All: -38.159 ± 0.000 $\chi^2/\text{NDF}: 129765212680$

dit_usr_4aY_slope vs Slug, Sign Corrected



Right In: -9.259 ± 0.000 $\chi^2/\text{NDF}: 407072.4/17$

Left Out: 2.149 ± 0.005 $\chi^2/\text{NDF}: 290739.3/24$

Right Out: 18.504 ± 0.000 $\chi^2/\text{NDF}: 7382326.1/21$

Left In: 1.019 ± 0.006 $\chi^2/\text{NDF}: 250029.0/22$

Left: 1.671 ± 0.004 $\chi^2/\text{NDF}: 563410.5/47$

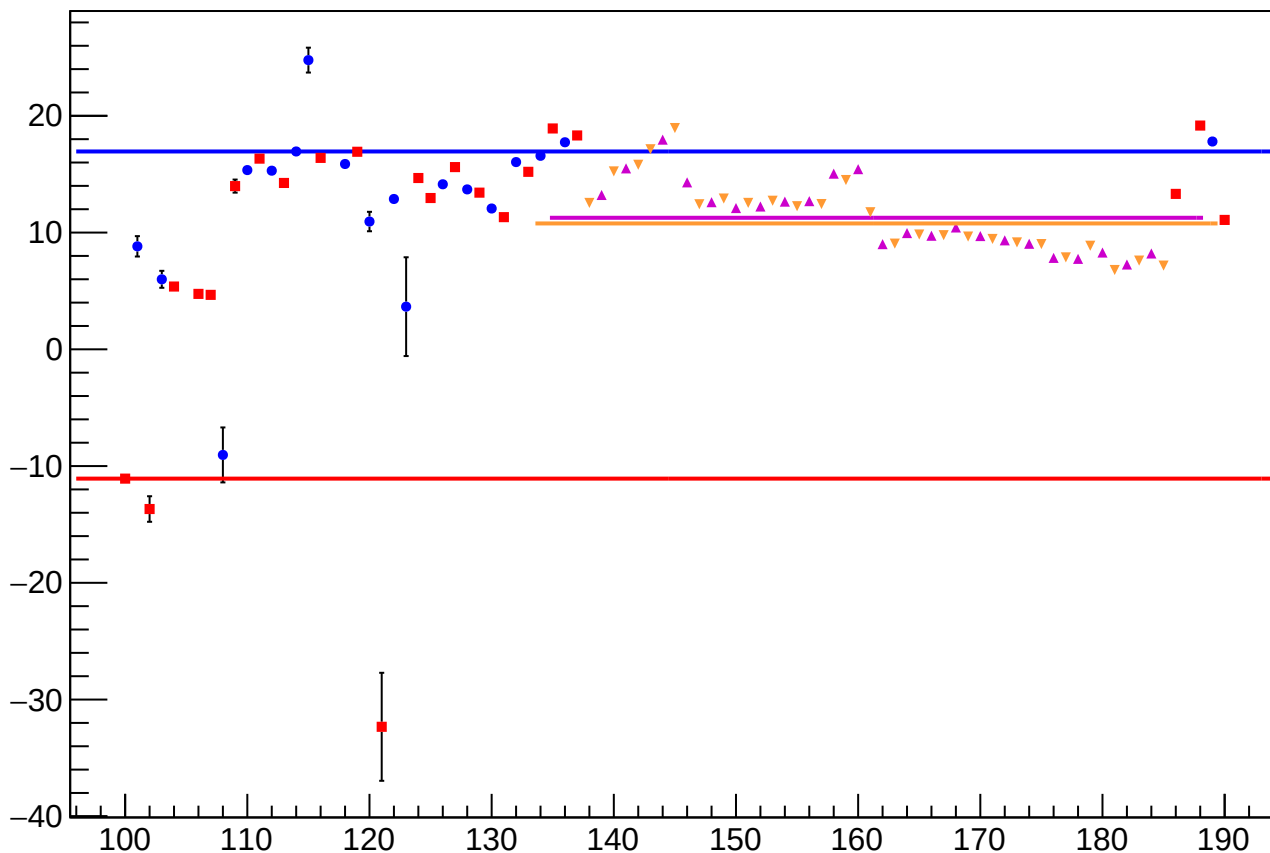
Right: 6.039 ± 0.000 $\chi^2/\text{NDF}: 16450574505955581$

In: -9.259 ± 0.000 $\chi^2/\text{NDF}: 3905142.2/40$

Out: 18.504 ± 0.000 $\chi^2/\text{NDF}: 18859523.9/46$

All: 6.039 ± 0.000 $\chi^2/\text{NDF}: 16450574505955581$

dit_usr_4eY_slope vs Slug, Sign Corrected



Right In: 16.947 $\pm$ 0.000 χ^2 /NDF: 11237.4/17

Left Out: 10.782 $\pm$ 0.007 χ^2 /NDF:129427.5/24

Right Out: -11.075 $\pm$ 0.000 χ^2 /NDF: 2787001.1/21

Left In: 11.267 $\pm$ 0.008 χ^2 /NDF:98438.0/22

Left: 10.986 $\pm$ 0.005 χ^2 /NDF: 230089.4/47

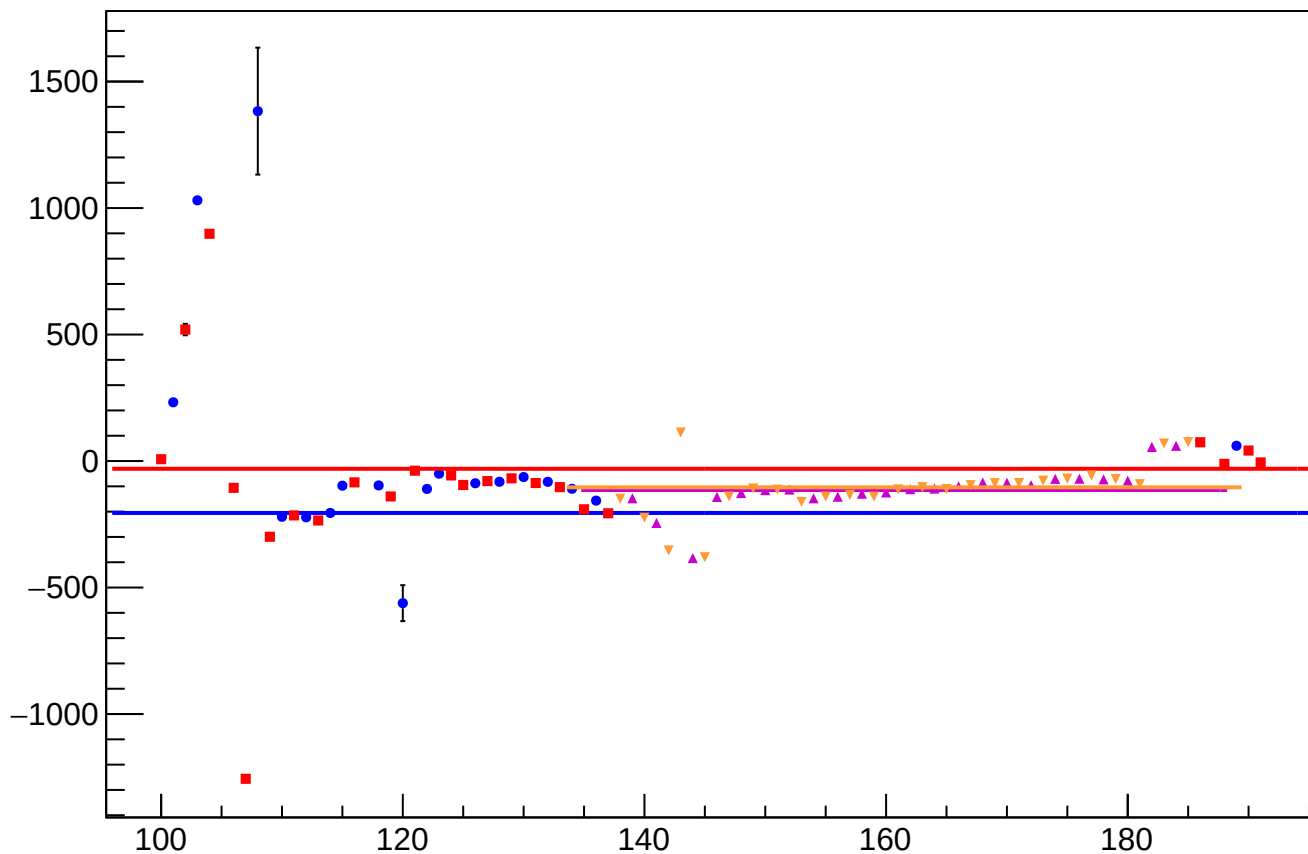
Right: -2.268 $\pm$ 0.000 χ^2 /NDF: 4692527454635666

In: 16.947 $\pm$ 0.000 χ^2 /NDF:634338.6/40

Out: -11.075 $\pm$ 0.000 χ^2 /NDF:13662495.0/46

All: -2.268 $\pm$ 0.000 χ^2 /NDF: 4692527454635

dit_atl1_4aX_slope vs Slug, Sign Corrected



Right In: -205.160 ± 0.000 $\chi^2/\text{NDF}: 1331321.3/17$

Left Out: -103.842 ± 0.192 $\chi^2/\text{NDF}: 94751.7/24$

Right Out: -30.536 ± 0.243 $\chi^2/\text{NDF}: 156496.1/22$

Left In: -114.444 ± 0.225 $\chi^2/\text{NDF}: 76837.7/22$

Left: -108.306 ± 0.146 $\chi^2/\text{NDF}: 172877.4/47$

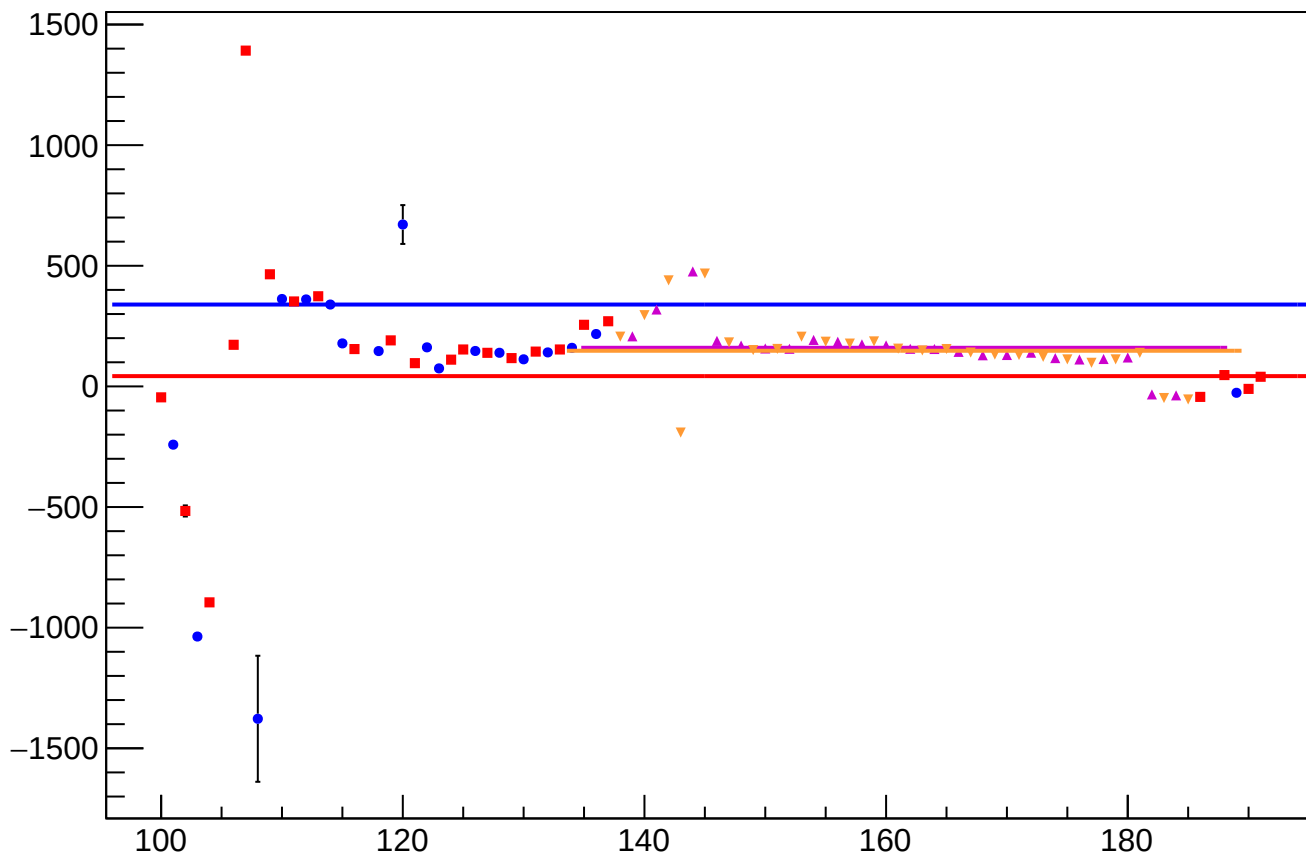
Right: -205.160 ± 0.000 $\chi^2/\text{NDF}: 2002394.4/40$

In: -205.160 ± 0.000 $\chi^2/\text{NDF}: 1571040.5/40$

Out: -75.785 ± 0.151 $\chi^2/\text{NDF}: 307222.2/47$

All: -205.160 ± 0.000 $\chi^2/\text{NDF}: 2616235.5/88$

dit_atl1_4eX_slope vs Slug, Sign Corrected



Right In: 339.325 ± 0.000 χ^2/NDF : 1208997.9/17

Left Out: 147.771 ± 0.196 χ^2/NDF : 134281.2/24

Right Out: 42.636 ± 0.239 χ^2/NDF : 306748.5/22

Left In: 160.049 ± 0.230 χ^2/NDF : 83579.0/22

Left: 152.950 ± 0.149 χ^2/NDF : 219512.9/47

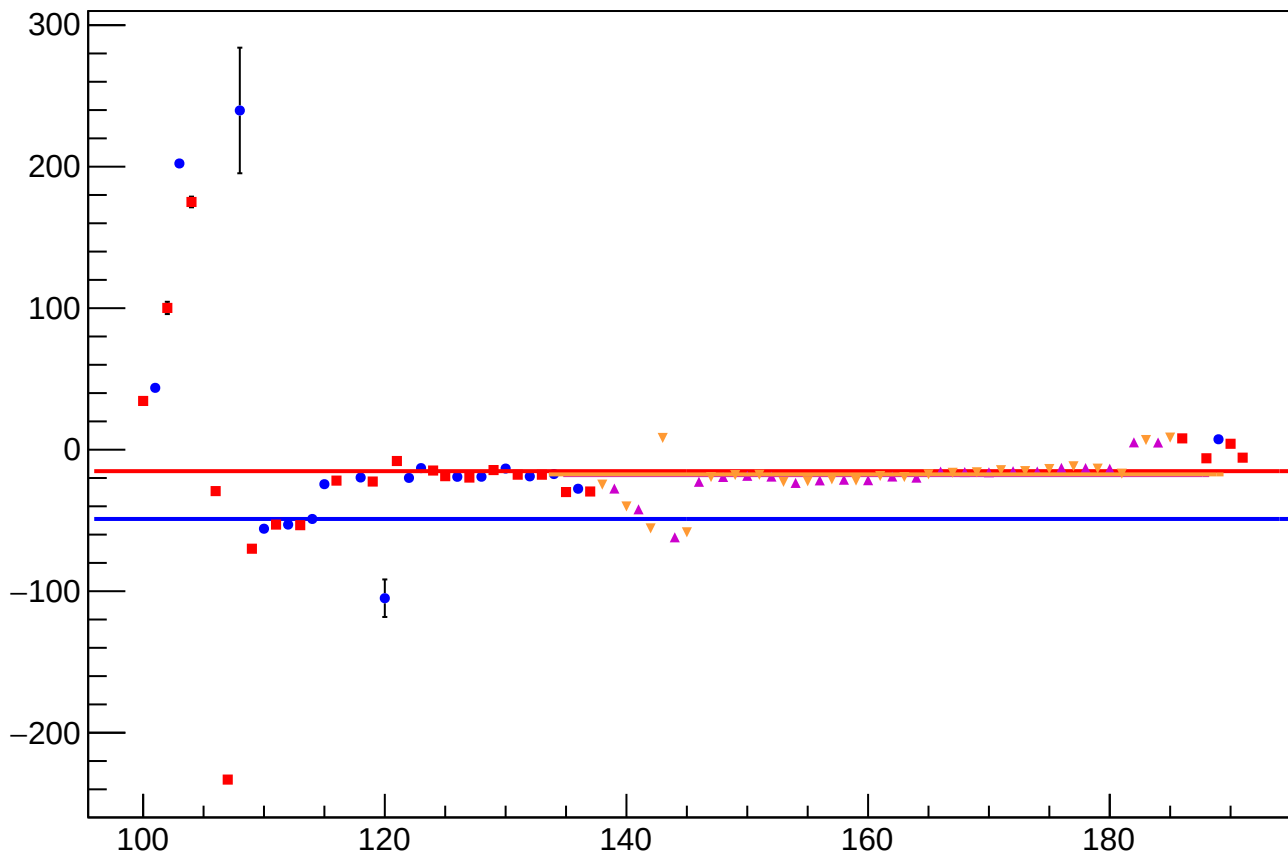
Right: 339.325 ± 0.000 χ^2/NDF : 3053246.0/40

In: 339.325 ± 0.000 χ^2/NDF : 1901916.0/40

Out: 105.513 ± 0.152 χ^2/NDF : 556495.8/47

All: 339.325 ± 0.000 χ^2/NDF : 4834070.4/88

dit_atl1_11X12X_slope vs Slug, Sign Corrected



Right In: -48.945+/-0.000 χ^2/NDF : 6249837.7/17

Left Out: -17.446+/-0.010 χ^2/NDF : 714044.4/24

Right Out: -15.161+/-0.040 χ^2/NDF : 315706.4/22

Left In: -17.951+/-0.012 χ^2/NDF : 252123.1/22

Left: -17.648+/-0.008 χ^2/NDF : 967185.6/47

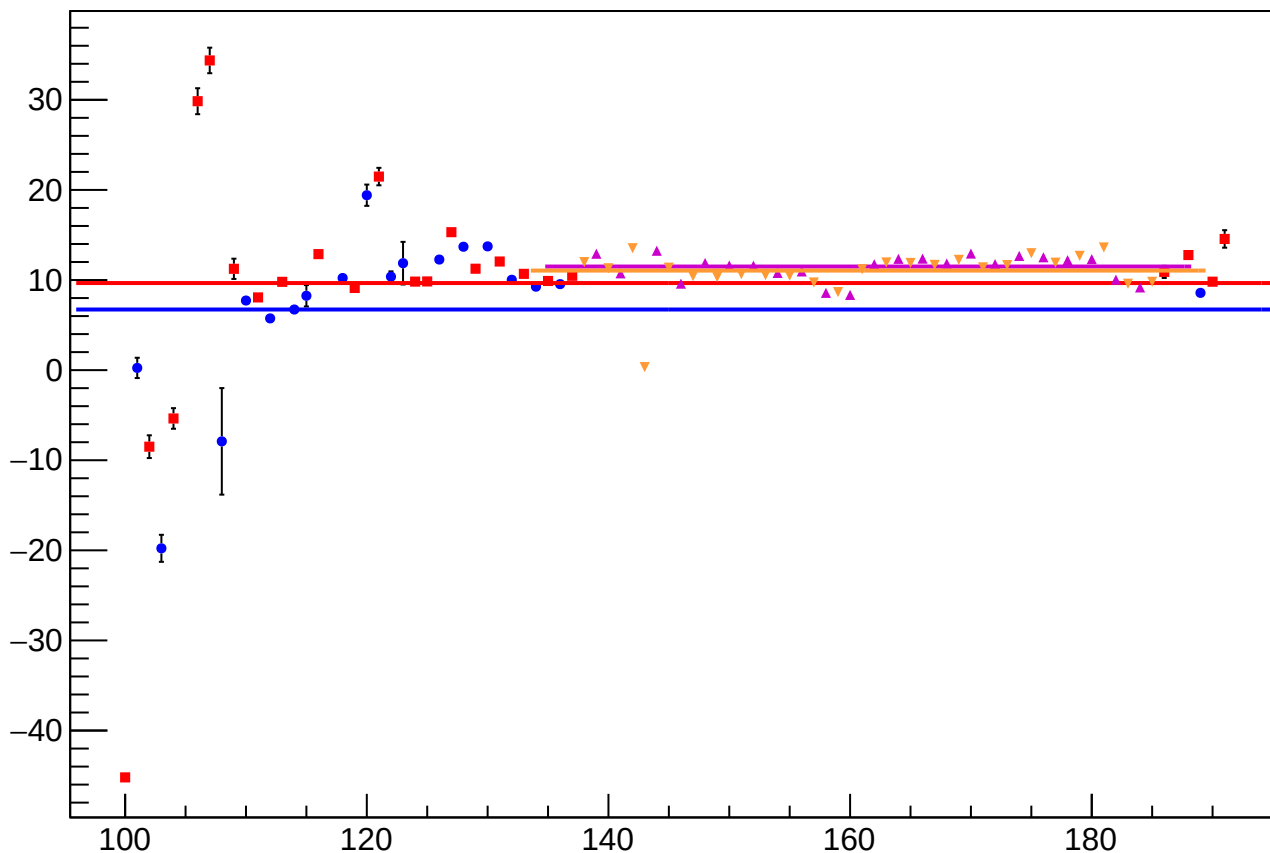
Right: -48.945+/-0.000 χ^2/NDF : 7281166.7/40

In: -48.945+/-0.000 χ^2/NDF : 12888571.7/40

Out: -17.311+/-0.010 χ^2/NDF : 1032829.7/47

All: -48.945+/-0.000 χ^2/NDF : 24537384.1/88

dit_atl1_4aY_slope vs Slug, Sign Corrected



Right In: 6.728 $\pm$ 0.000 χ^2 /NDF: 13770.5/17

Left Out: 11.049 $\pm$ 0.012 χ^2 /NDF:31618.4/24

Right Out: 9.666 $\pm$ 0.035 χ^2 /NDF: 27245.3/22

Left In: 11.498 $\pm$ 0.010 χ^2 /NDF:15848.8/22

Left: 11.309 $\pm$ 0.008 χ^2 /NDF: 48246.1/47

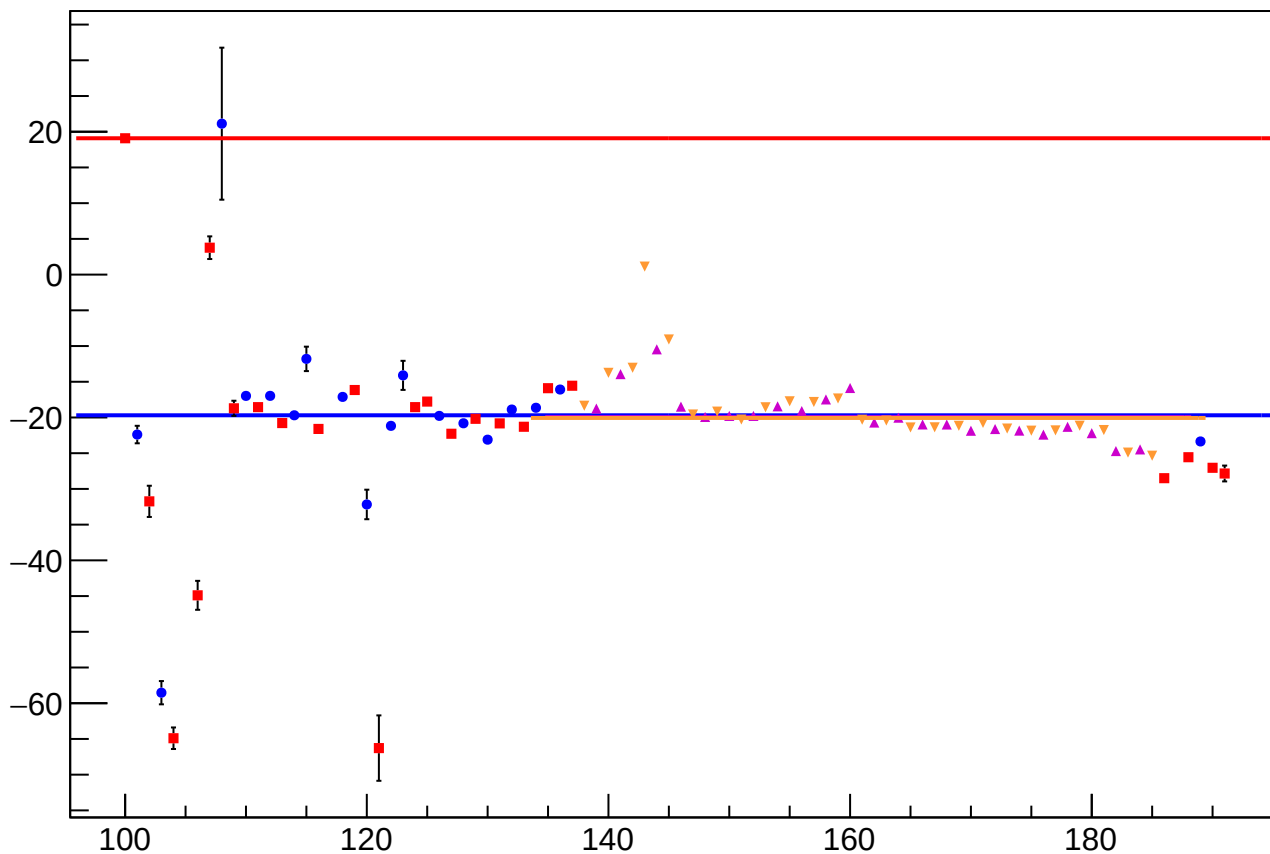
Right: 6.728 $\pm$ 0.000 χ^2 /NDF: 48236.5/40

In: 6.728 $\pm$ 0.000 χ^2 /NDF:238826.0/40

Out: 10.895 $\pm$ 0.012 χ^2 /NDF:60287.2/47

All: 6.728 $\pm$ 0.000 χ^2 /NDF: 429365.2/88

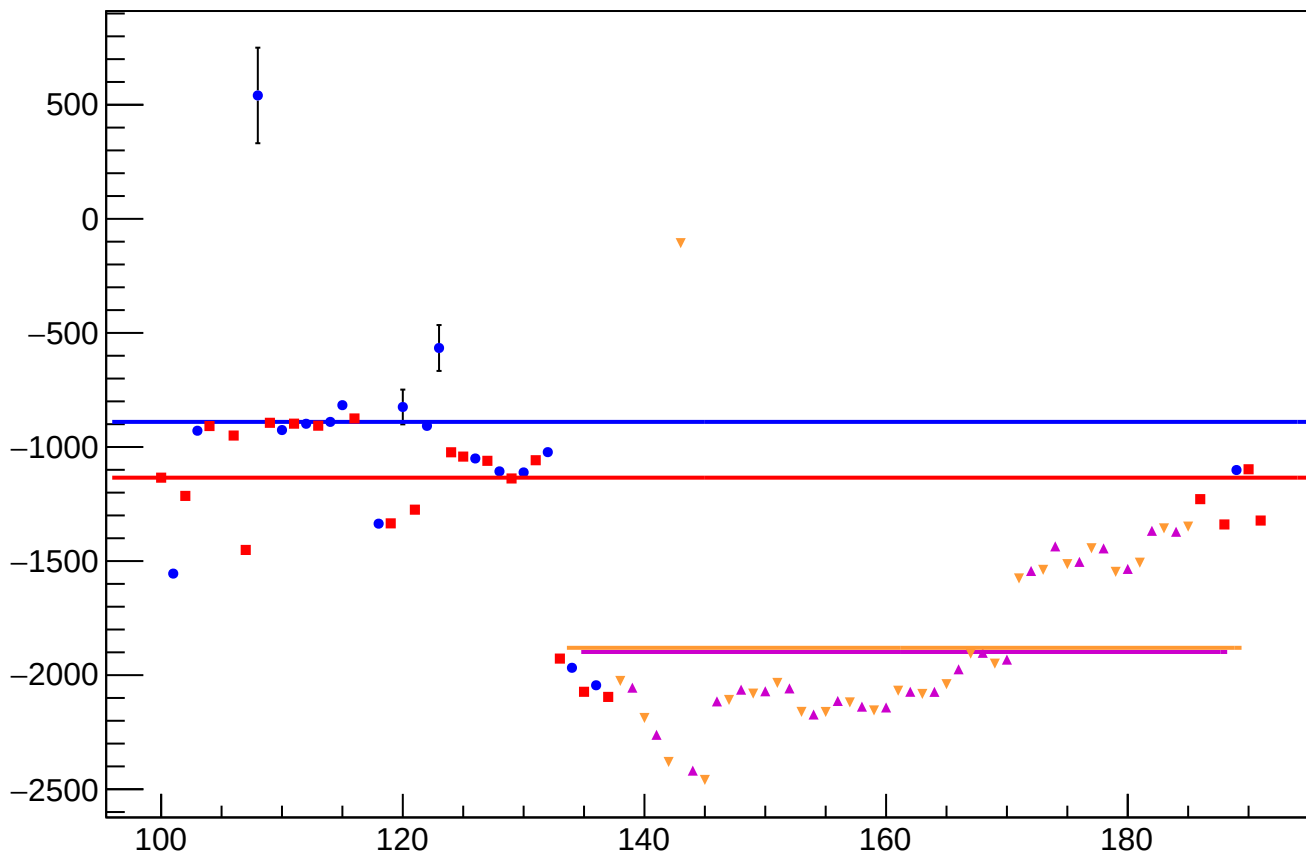
dit_atl1_4eY_slope vs Slug, Sign Corrected



Right In: -19.693 ± 0.000 $\chi^2/\text{NDF}: 7617.8/17$
 Left Out: -20.065 ± 0.014 $\chi^2/\text{NDF}: 71466.1/24$
 Right Out: 19.086 ± 0.000 $\chi^2/\text{NDF}: 680828.9/22$
 Left In: -19.955 ± 0.015 $\chi^2/\text{NDF}: 22657.6/22$

Left: -20.015 ± 0.010 $\chi^2/\text{NDF}: 94152.2/47$
 Right: -6.006 ± 0.000 $\chi^2/\text{NDF}: 4625637731292657$
 In: -19.693 ± 0.000 $\chi^2/\text{NDF}: 30576.3/40$
 Out: 19.086 ± 0.000 $\chi^2/\text{NDF}: 8757762.0/47$
 All: -6.006 ± 0.000 $\chi^2/\text{NDF}: 4625637731292$

dit_atl2_4aX_slope vs Slug, Sign Corrected



Right In: -889.928+/-0.000 χ^2/NDF : 776151.9/17

Left Out: -1880.162+/-0.353 χ^2/NDF : 873293.0/24

Right Out: -1134.421+/-0.000 χ^2/NDF : 767310.8/22

Left In: -1898.497+/-0.364 χ^2/NDF : 698003.8/22

Left: -1889.053+/-0.253 χ^2/NDF : 1572605.5/47

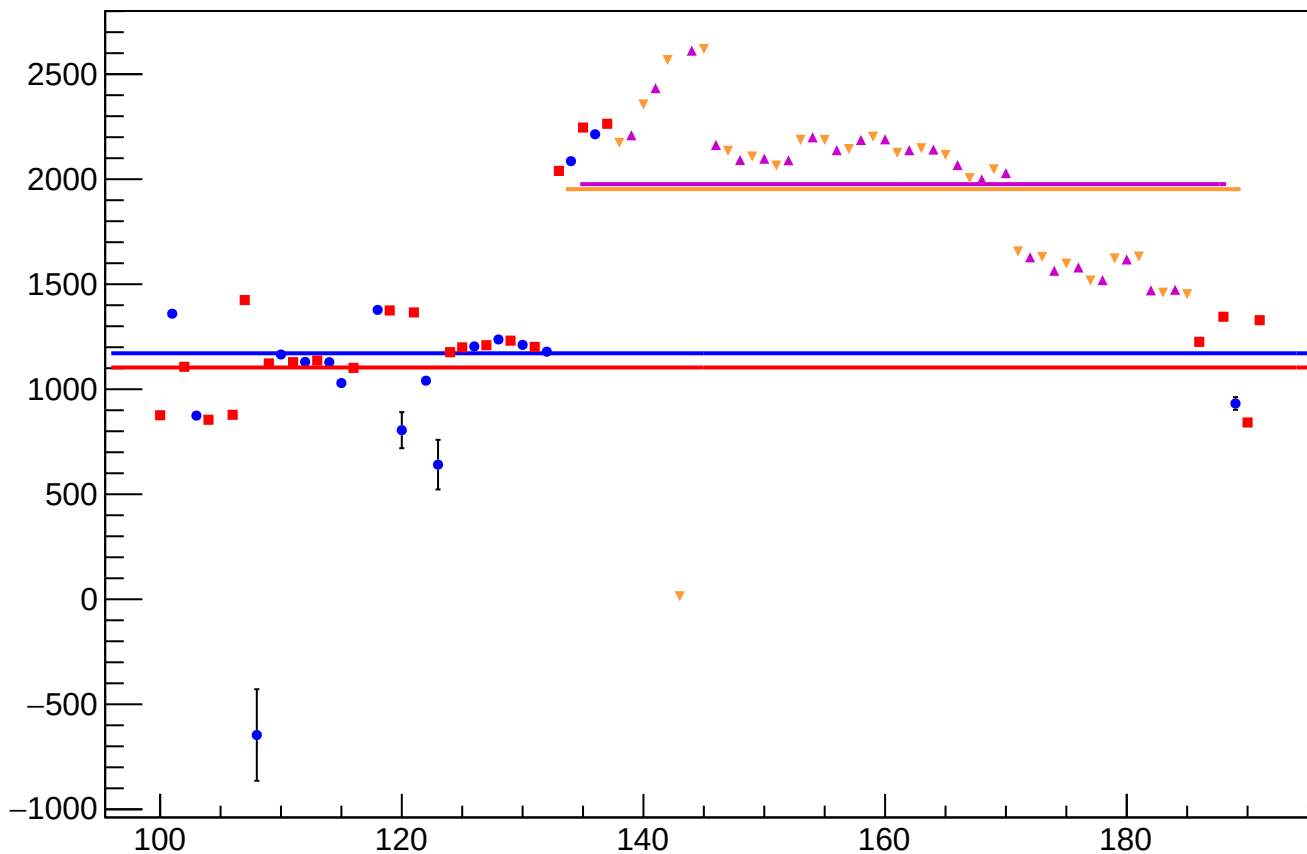
Right: -976.220+/-0.000 χ^2/NDF : 44889787387498

In: -889.928+/-0.000 χ^2/NDF : 9162954.5/40

Out: -1134.421+/-0.000 χ^2/NDF : 6105074.5/47

All: -976.220+/-0.000 χ^2/NDF : 44889787387

dit_atl2_4eX_slope vs Slug, Sign Corrected



Right In: 1171.172 $\pm$ 0.245 χ^2 /NDF: 509051.9/17

Left Out: 1952.706 $\pm$ 0.354 χ^2 /NDF: 820225.3/24

Right Out: 1103.581 $\pm$ 0.244 χ^2 /NDF: 1148036.0/22

Left In: 1976.603 $\pm$ 0.367 χ^2 /NDF: 625684.0/22

Left: 1964.216 $\pm$ 0.255 χ^2 /NDF: 1448104.1/47

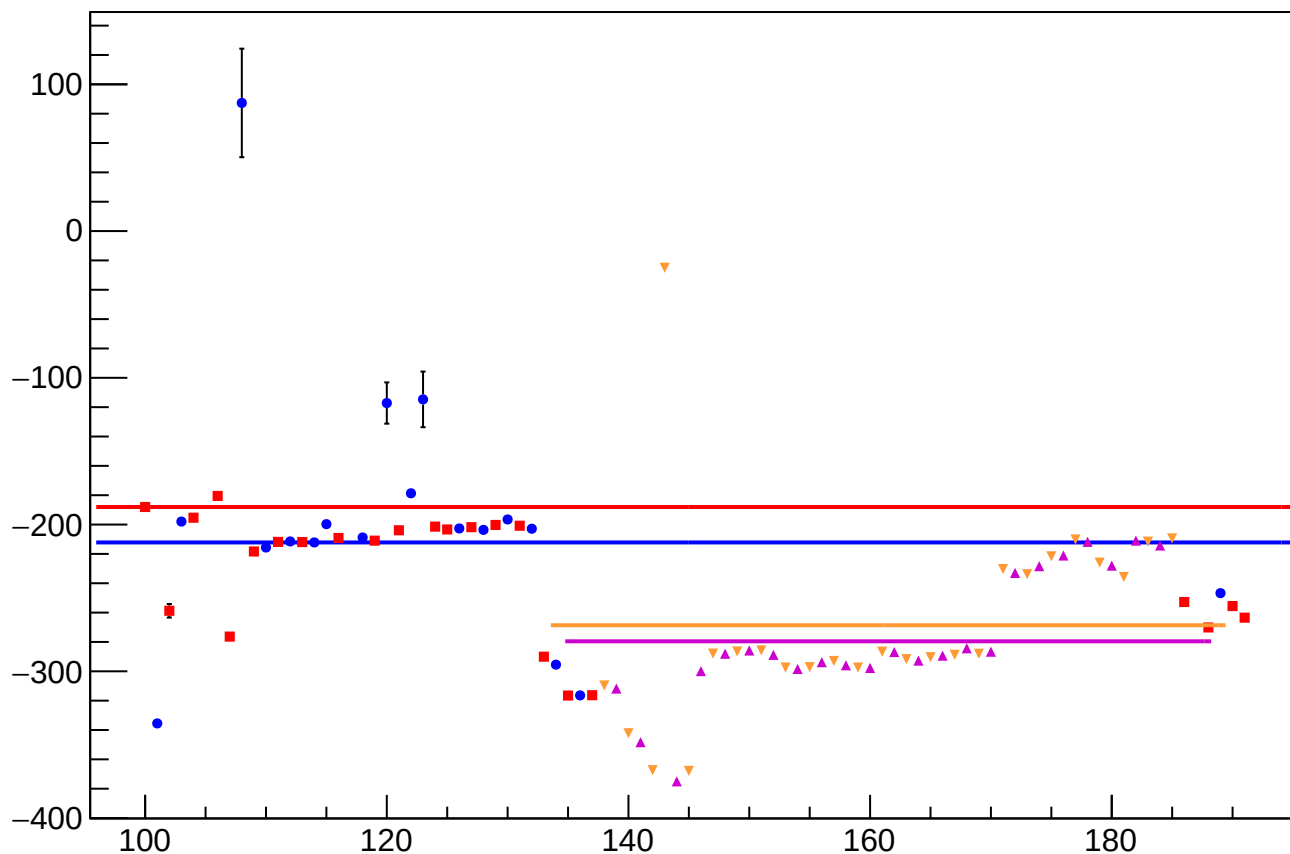
Right: 1137.250 $\pm$ 0.173 χ^2 /NDF: 1695172.7/40

In: 1419.747 $\pm$ 0.204 χ^2 /NDF: 4460252.9/40

Out: 1377.743 $\pm$ 0.201 χ^2 /NDF: 5864174.0/47

All: 1398.447 $\pm$ 0.143 χ^2 /NDF: 10345920.6/80

dit_atl2_11X12X_slope vs Slug, Sign Corrected



Right In: -212.190 ± 0.000 $\chi^2/\text{NDF}: 1220917.8/17$

Left Out: -268.611 ± 0.022 $\chi^2/\text{NDF}: 7041710.3/24$

Right Out: -188.033 ± 0.000 $\chi^2/\text{NDF}: 933937.4/22$

Left In: -279.563 ± 0.022 $\chi^2/\text{NDF}: 2298119.7/22$

Left: -274.180 ± 0.015 $\chi^2/\text{NDF}: 9465442.7/47$

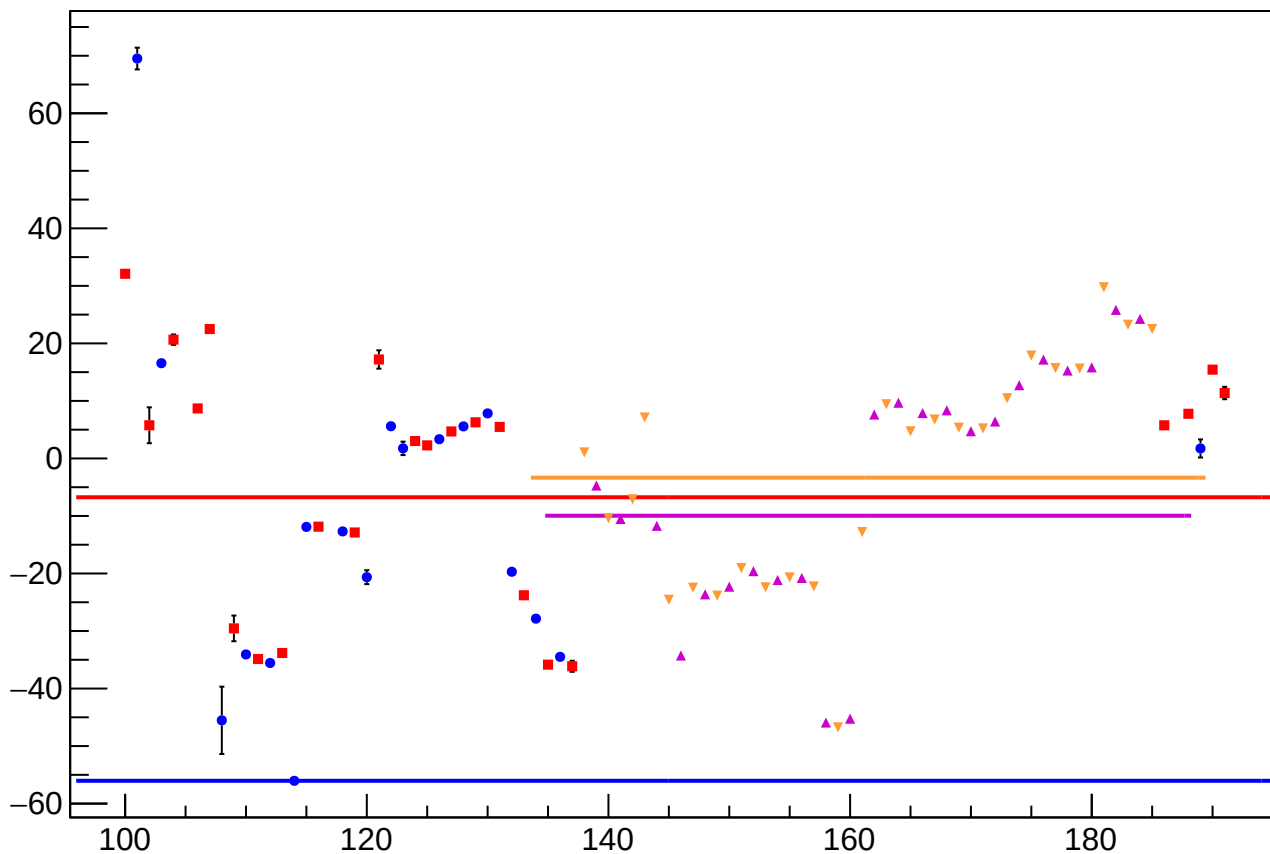
Right: -195.625 ± 0.000 $\chi^2/\text{NDF}: 13622303625661$

In: -212.190 ± 0.000 $\chi^2/\text{NDF}: 13190745.7/40$

Out: -188.033 ± 0.000 $\chi^2/\text{NDF}: 21347995.6/47$

All: -195.625 ± 0.000 $\chi^2/\text{NDF}: 13622303625$

dit_atl2_4aY_slope vs Slug, Sign Corrected



Right In: -56.037 ± 0.000 $\chi^2/\text{NDF}: 1586764.5/17$

Left Out: -3.341 ± 0.018 $\chi^2/\text{NDF}: 1399746.6/24$

Right Out: -6.748 ± 0.041 $\chi^2/\text{NDF}: 180957.8/22$

Left In: -9.956 ± 0.018 $\chi^2/\text{NDF}: 1689839.0/22$

Left: -6.485 ± 0.013 $\chi^2/\text{NDF}: 3156876.8/47$

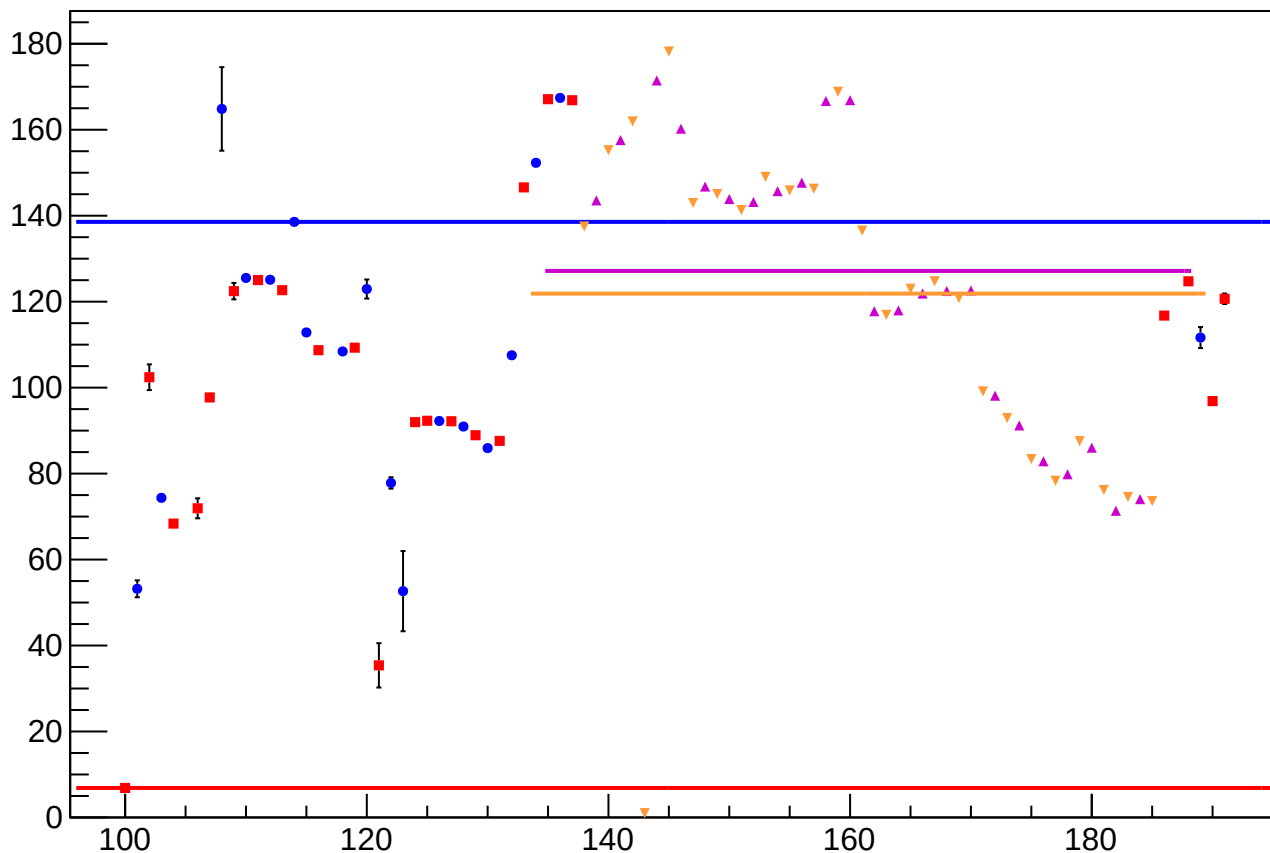
Right: -56.037 ± 0.000 $\chi^2/\text{NDF}: 3195824.7/40$

In: -56.037 ± 0.000 $\chi^2/\text{NDF}: 9500961.7/40$

Out: -3.865 ± 0.016 $\chi^2/\text{NDF}: 1586476.8/47$

All: -56.037 ± 0.000 $\chi^2/\text{NDF}: 21497587.8/88$

dit_atl2_4eY_slope vs Slug, Sign Corrected



Right In: 138.565 $\pm$ 0.000 χ^2 /NDF: 901281.6/17

Left Out: 121.875 $\pm$ 0.024 χ^2 /NDF:1617383.6/24

Right Out: 6.866 $\pm$ 0.000 χ^2 /NDF: 8334711.9/22

Left In: 127.150 $\pm$ 0.026 χ^2 /NDF:1340248.6/22

Left: 124.317 $\pm$ 0.018 χ^2 /NDF: 2979450.2/47

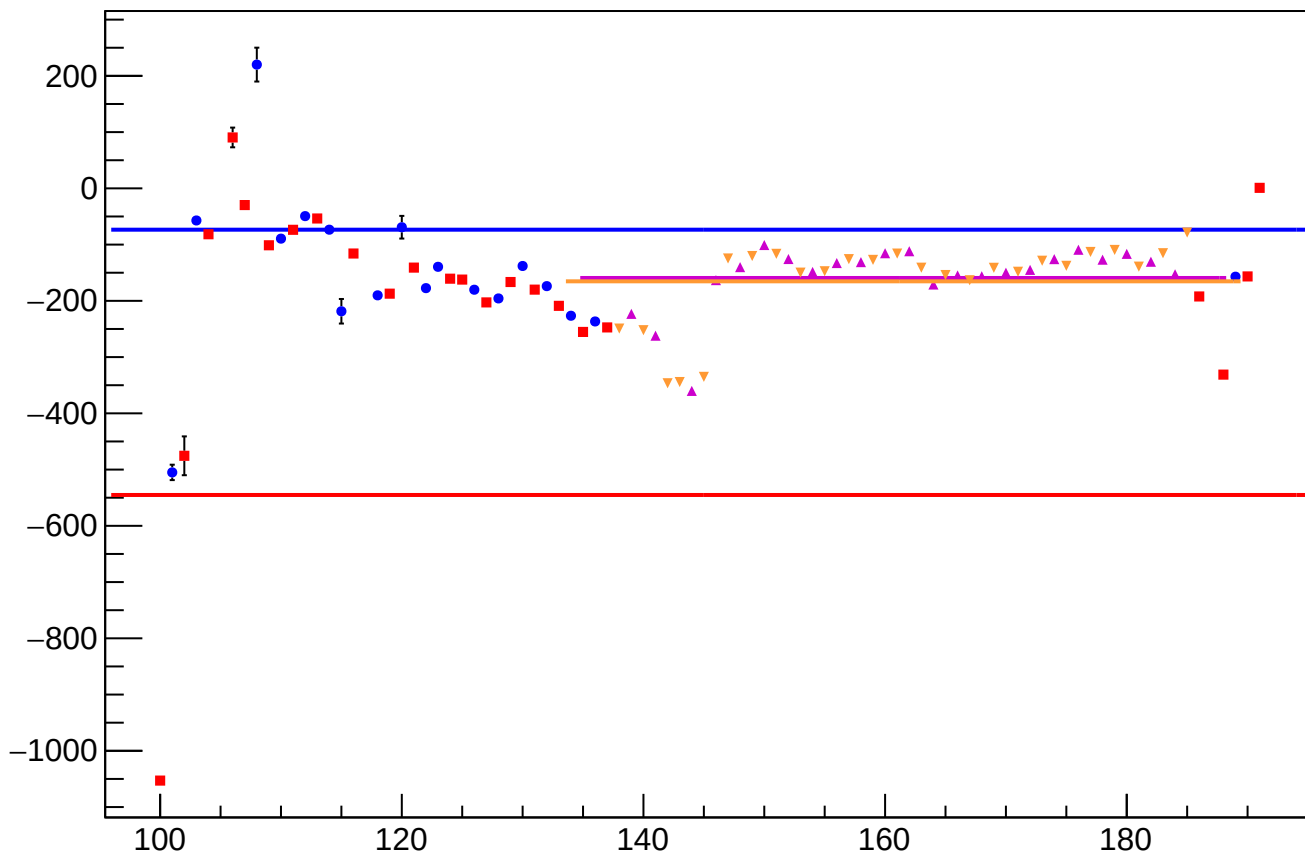
Right: 7.101 $\pm$ 0.000 χ^2 /NDF: 23576822681928678

In: 138.565 $\pm$ 0.000 χ^2 /NDF:2431730.8/40

Out: 6.866 $\pm$ 0.000 χ^2 /NDF:32350328.2/47

All: 7.101 $\pm$ 0.000 χ^2 /NDF: 23576822681928

dit_atr1_4aX_slope vs Slug, Sign Corrected



Right In: -73.485 ± 0.000 $\chi^2/\text{NDF}: 99151.0/17$

Left Out: -165.282 ± 0.232 $\chi^2/\text{NDF}: 84301.0/24$

Right Out: -545.143 ± 0.250 $\chi^2/\text{NDF}: 3270593.5/22$

Left In: -159.346 ± 0.239 $\chi^2/\text{NDF}: 73885.5/22$

Left: -162.407 ± 0.166 $\chi^2/\text{NDF}: 158504.2/47$

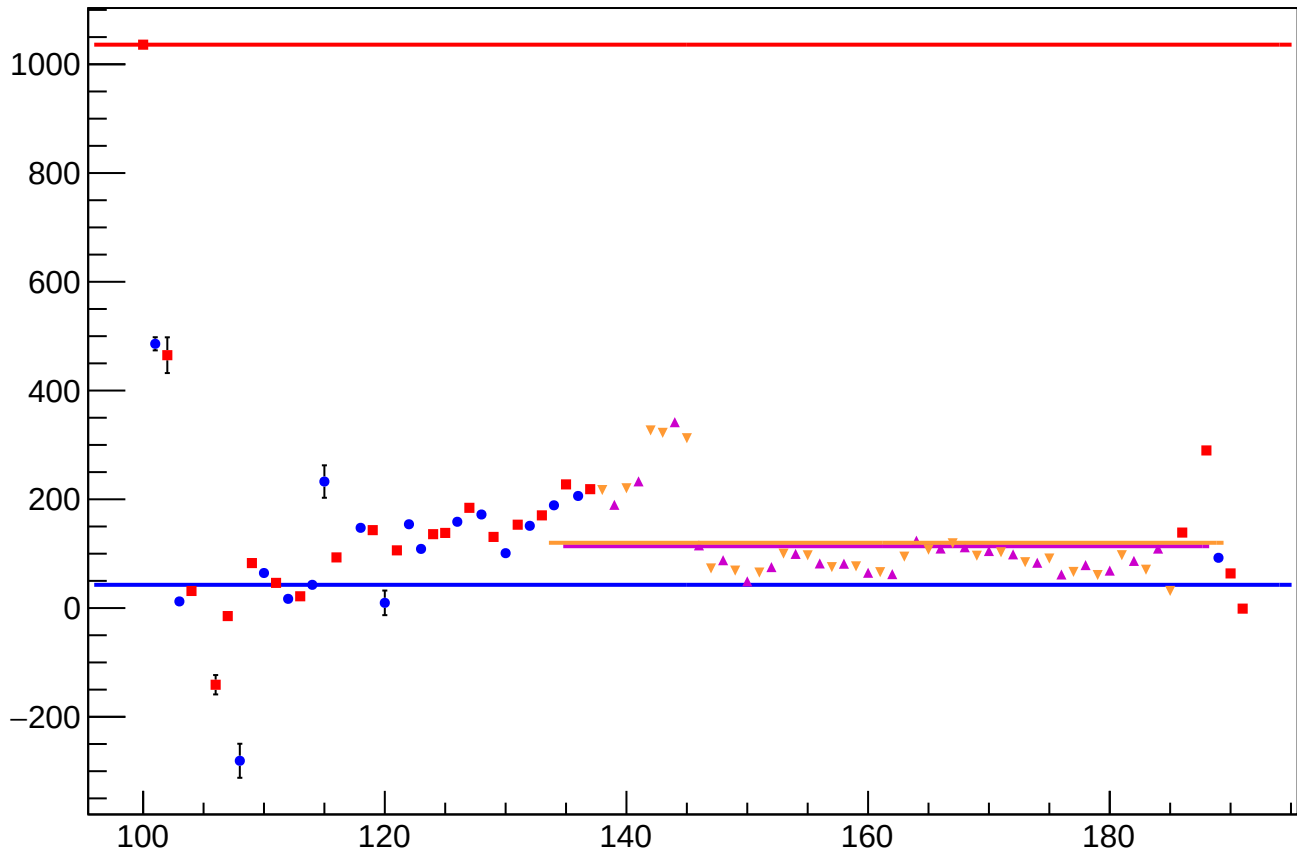
Right: -73.485 ± 0.000 $\chi^2/\text{NDF}: 6929619.4/40$

In: -73.485 ± 0.000 $\chi^2/\text{NDF}: 301942.3/40$

Out: -340.844 ± 0.170 $\chi^2/\text{NDF}: 4596753.1/47$

All: -73.485 ± 0.000 $\chi^2/\text{NDF}: 7373626.9/88$

dit_atr1_4eX_slope vs Slug, Sign Corrected



Right In: 42.743+/-0.000 χ^2/NDF : 84675.1/17

Left Out: 120.053+/-0.237 χ^2/NDF : 97926.9/24

Right Out: 1036.068+/-0.000 χ^2/NDF : 6170118.2/22

Left In: 113.733+/-0.246 χ^2/NDF : 81886.4/22

Left: 117.016+/-0.171 χ^2/NDF : 180155.1/47

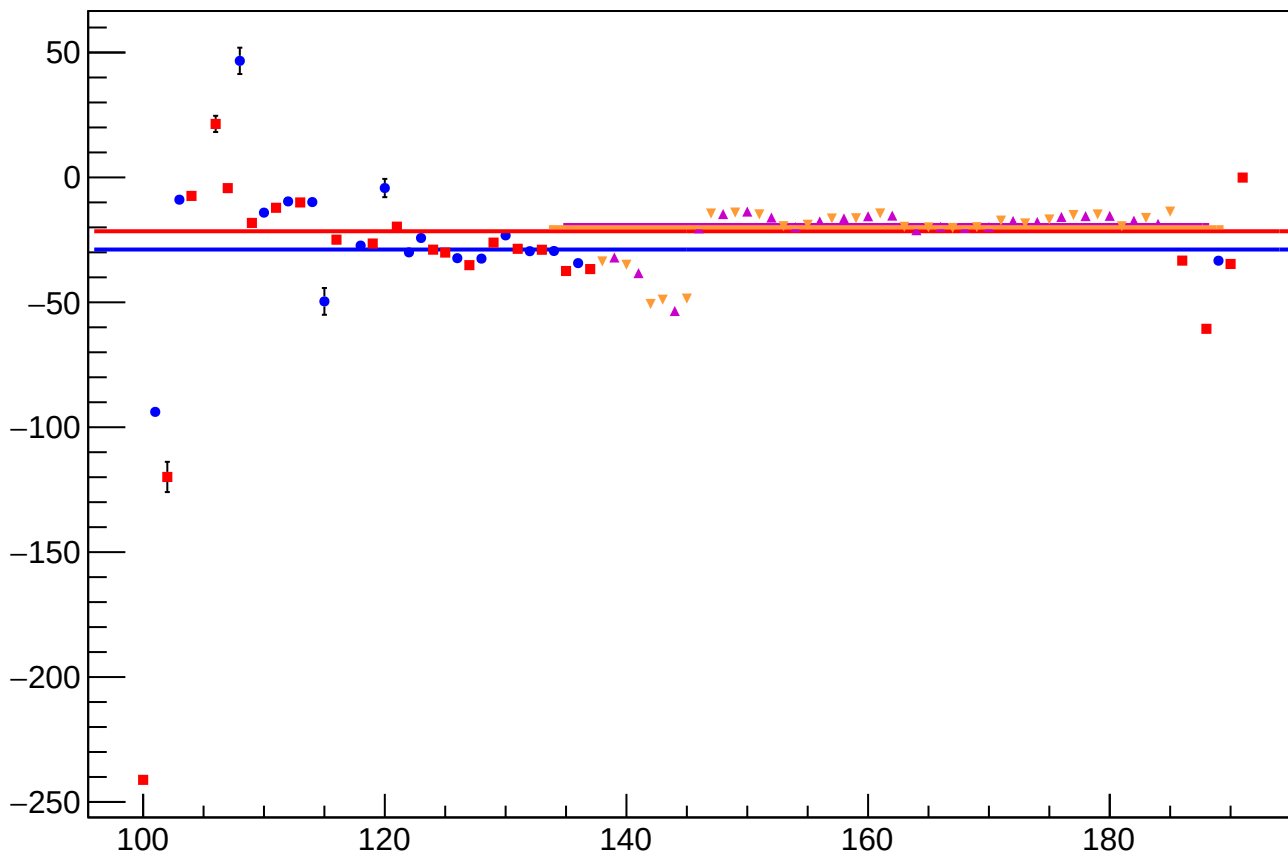
Right: 43.272+/-0.000 χ^2/NDF : 1144517497266833

In: 42.743+/-0.000 χ^2/NDF : 249624.6/40

Out: 1036.068+/-0.000 χ^2/NDF : 21209736.9/47

All: 43.272+/-0.000 χ^2/NDF : 1144517497266

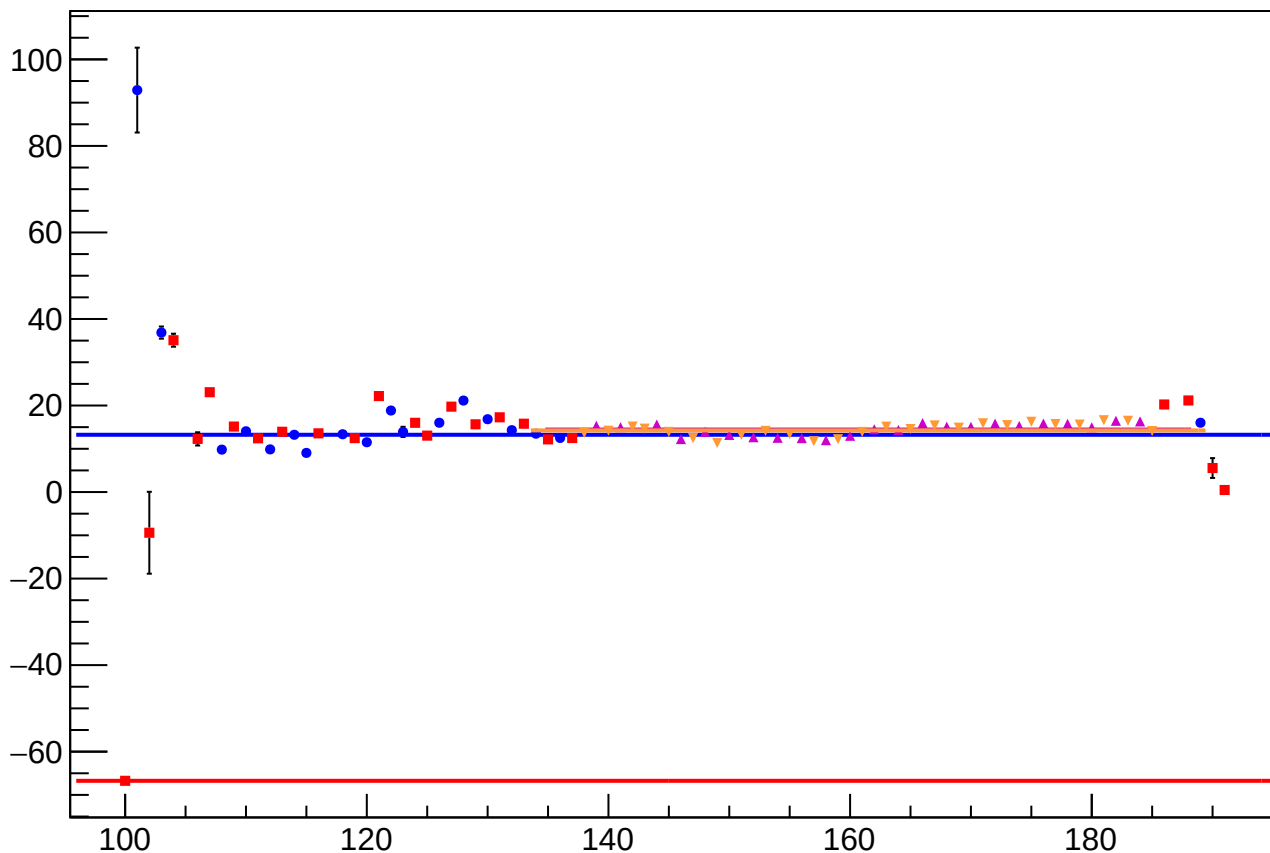
dit_atr1_11X12X_slope vs Slug, Sign Corrected



Right In: -28.865 ± 0.035 $\chi^2/\text{NDF}: 49663.4/17$
 Left Out: -19.926 ± 0.012 $\chi^2/\text{NDF}: 374900.2/24$
 Right Out: -21.549 ± 0.036 $\chi^2/\text{NDF}: 456312.4/22$
 Left In: -19.047 ± 0.014 $\chi^2/\text{NDF}: 214747.8/22$

Left: -19.543 ± 0.009 $\chi^2/\text{NDF}: 591888.6/47$
 Right: -25.314 ± 0.025 $\chi^2/\text{NDF}: 527707.5/40$
 In: -20.421 ± 0.013 $\chi^2/\text{NDF}: 333761.0/40$
 Out: -20.098 ± 0.012 $\chi^2/\text{NDF}: 833071.2/47$
 All: -20.242 ± 0.009 $\chi^2/\text{NDF}: 1167177.8/88$

dit_atr1_4aY_slope vs Slug, Sign Corrected



Right In: 13.238 $\pm$ 0.000 χ^2 /NDF: 5793.8/17

Left Out: 14.245 $\pm$ 0.012 χ^2 /NDF:12367.6/24

Right Out: -66.739 $\pm$ 0.000 χ^2 /NDF: 3719684.7/22

Left In: 14.441 $\pm$ 0.012 χ^2 /NDF:12955.9/22

Left: 14.346 $\pm$ 0.008 χ^2 /NDF: 25459.7/47

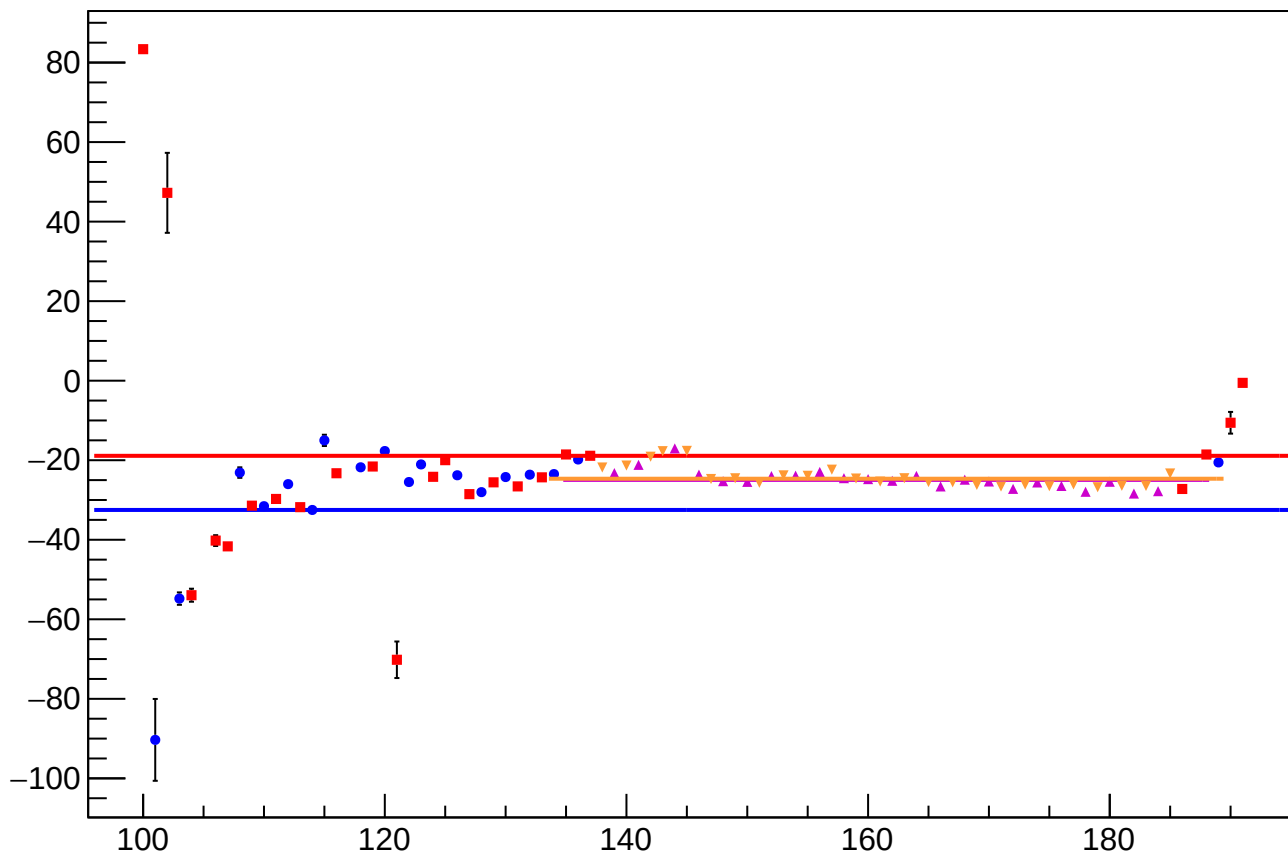
Right: 12.562 $\pm$ 0.000 χ^2 /NDF: 1884310027651005

In: 13.238 $\pm$ 0.000 χ^2 /NDF:29415.6/40

Out: -66.739 $\pm$ 0.000 χ^2 /NDF:49379431.2/47

All: 12.562 $\pm$ 0.000 χ^2 /NDF: 1884310027651

dit_atr1_4eY_slope vs Slug, Sign Corrected



Right In: -32.504 $\pm$ 0.000 χ^2 /NDF: 75187.4/17

Left Out: -24.652 $\pm$ 0.015 χ^2 /NDF: 23058.0/24

Right Out: -18.892 $\pm$ 0.042 χ^2 /NDF: 133587.4/22

Left In: -24.948 $\pm$ 0.015 χ^2 /NDF: 14049.6/22

Left: -24.798 $\pm$ 0.011 χ^2 /NDF: 37300.4/47

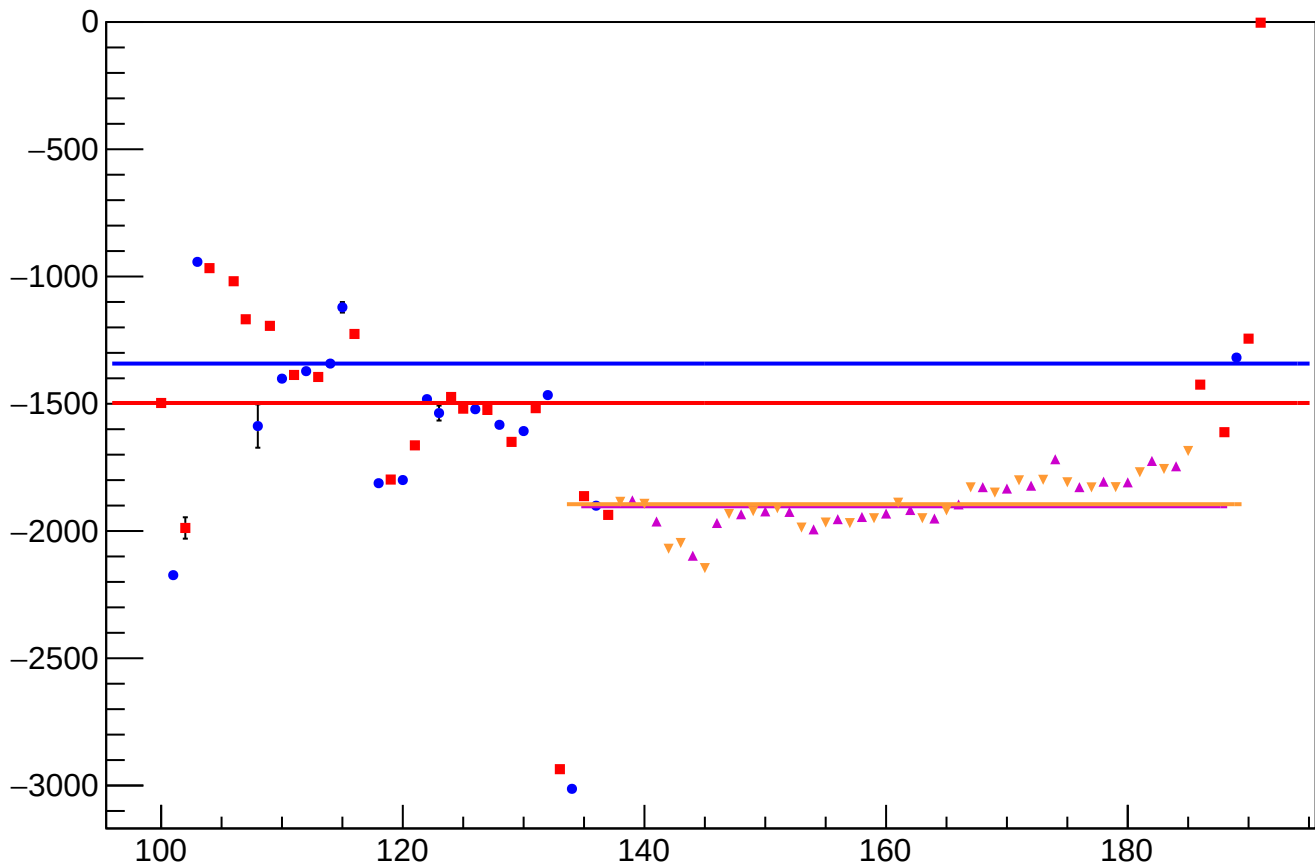
Right: -32.504 $\pm$ 0.000 χ^2 /NDF: 312820.2/40

In: -32.504 $\pm$ 0.000 χ^2 /NDF: 337138.3/40

Out: -24.009 $\pm$ 0.014 χ^2 /NDF: 173194.0/47

All: -32.504 $\pm$ 0.000 χ^2 /NDF: 873159.0/88

dit_atr2_4aX_slope vs Slug, Sign Corrected



Right In: -1342.107 ± 0.000 $\chi^2/\text{NDF}: 370904.0/17$

Left Out: -1894.646 ± 0.318 $\chi^2/\text{NDF}: 67387.8/24$

Right Out: -1496.932 ± 0.000 $\chi^2/\text{NDF}: 1749186.6/22$

Left In: -1902.803 ± 0.289 $\chi^2/\text{NDF}: 69208.9/22$

Left: -1899.114 ± 0.214 $\chi^2/\text{NDF}: 136957.6/47$

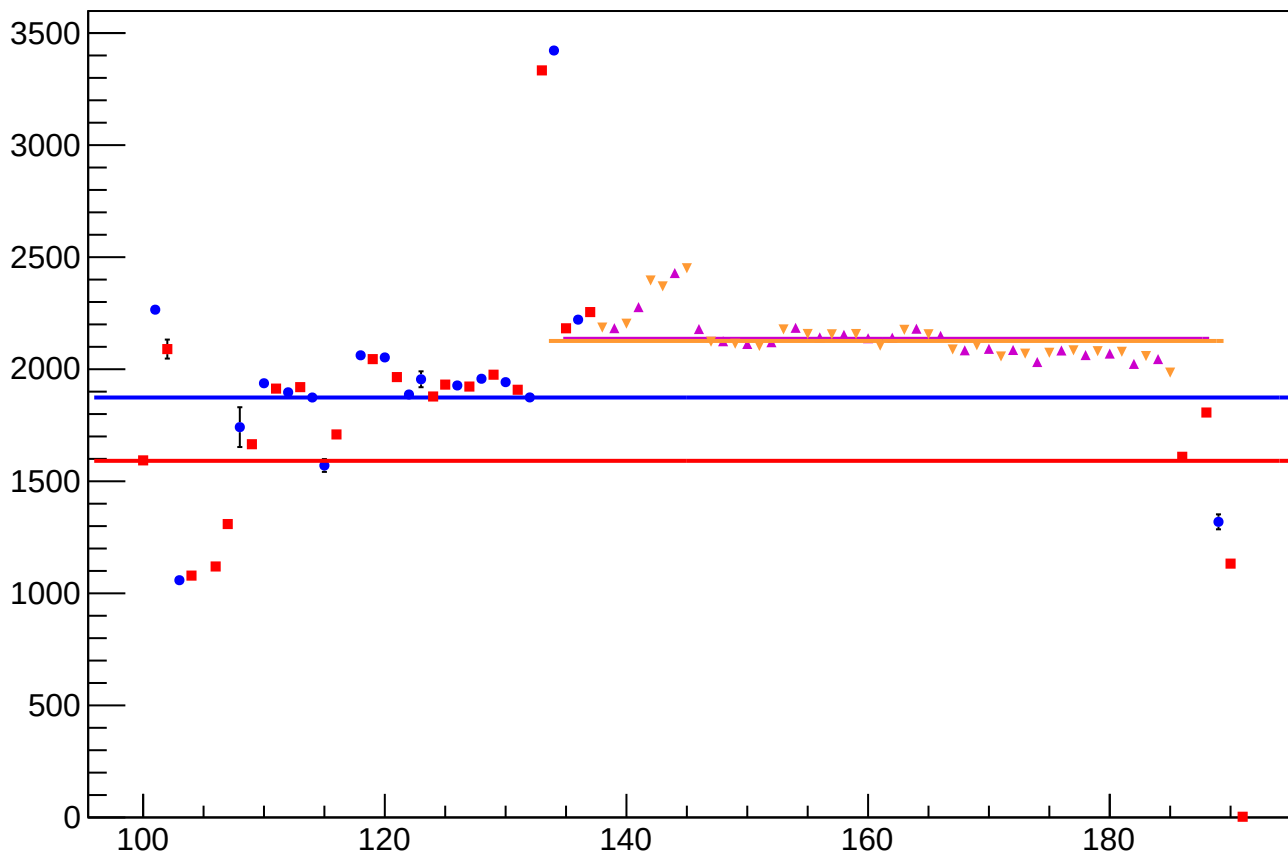
Right: -1396.751 ± 0.000 $\chi^2/\text{NDF}: 1800086126763$

In: -1342.107 ± 0.000 $\chi^2/\text{NDF}: 4210199.3/40$

Out: -1496.932 ± 0.000 $\chi^2/\text{NDF}: 3382956.2/47$

All: -1396.751 ± 0.000 $\chi^2/\text{NDF}: 1800086126$

dit_atr2_4eX_slope vs Slug, Sign Corrected



Right In: 1873.852+/-0.000 χ^2/NDF : 201839.6/17

Left Out: 2126.160+/-0.317 χ^2/NDF : 48244.0/24

Right Out: 1591.258+/-0.284 χ^2/NDF : 3092016.2/22

Left In: 2135.770+/-0.290 χ^2/NDF : 58031.3/22

Left: 2131.403+/-0.214 χ^2/NDF : 106775.9/47

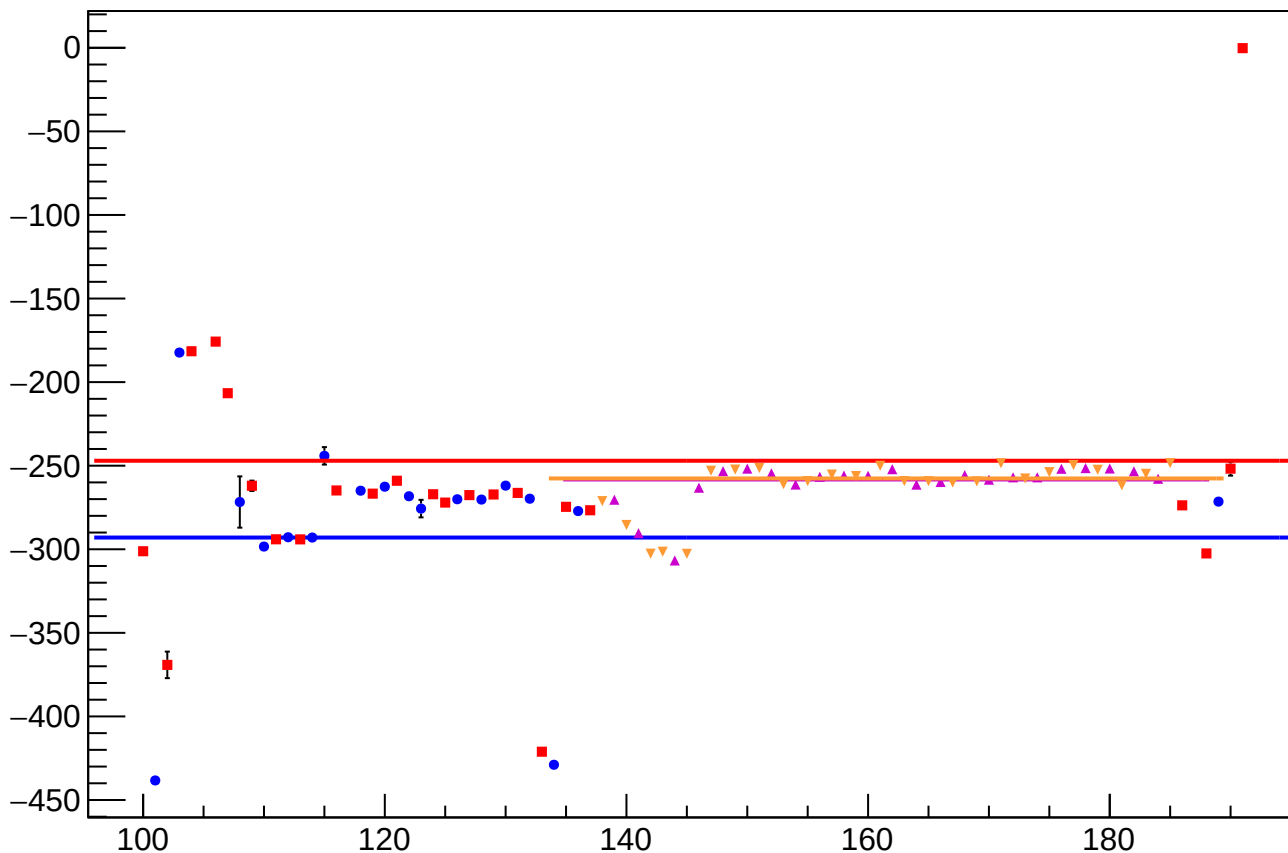
Right: 1873.852+/-0.000 χ^2/NDF : 4285196.8/40

In: 1873.852+/-0.000 χ^2/NDF : 1078317.4/40

Out: 1829.029+/-0.212 χ^2/NDF : 4719070.8/47

All: 1873.852+/-0.000 χ^2/NDF : 5842286.3/88

dit_atr2_11X12X_slope vs Slug, Sign Corrected



Right In: -292.986 ± 0.000 $\chi^2/\text{NDF}: 1039187.5/17$

Left Out: -257.631 ± 0.020 $\chi^2/\text{NDF}: 226942.0/24$

Right Out: -247.043 ± 0.055 $\chi^2/\text{NDF}: 1323672.5/22$

Left In: -258.240 ± 0.017 $\chi^2/\text{NDF}: 268186.3/22$

Left: -257.974 ± 0.013 $\chi^2/\text{NDF}: 495658.2/47$

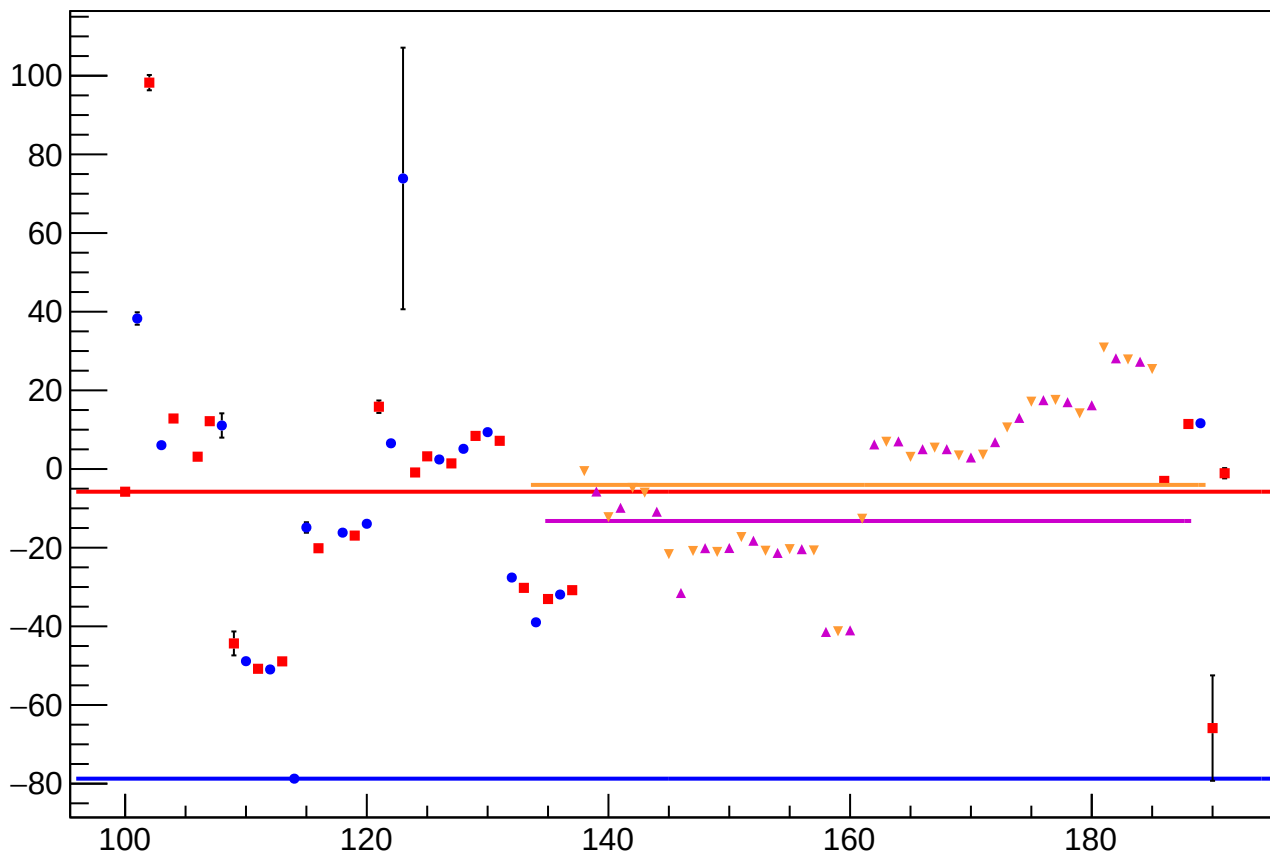
Right: -292.986 ± 0.000 $\chi^2/\text{NDF}: 3057416.5/40$

In: -292.986 ± 0.000 $\chi^2/\text{NDF}: 5254022.3/40$

Out: -256.415 ± 0.019 $\chi^2/\text{NDF}: 1583268.0/47$

All: -292.986 ± 0.000 $\chi^2/\text{NDF}: 10669179.1/8$

dit_atr2_4aY_slope vs Slug, Sign Corrected



Right In: -78.728 ± 0.000 χ^2/NDF : 1406171.2/17

Left Out: -4.036 ± 0.017 χ^2/NDF : 1369619.3/24

Right Out: -5.769 ± 0.000 χ^2/NDF : 115536.7/22

Left In: -13.213 ± 0.017 χ^2/NDF : 1356033.4/22

Left: -8.666 ± 0.012 χ^2/NDF : 2871427.0/47

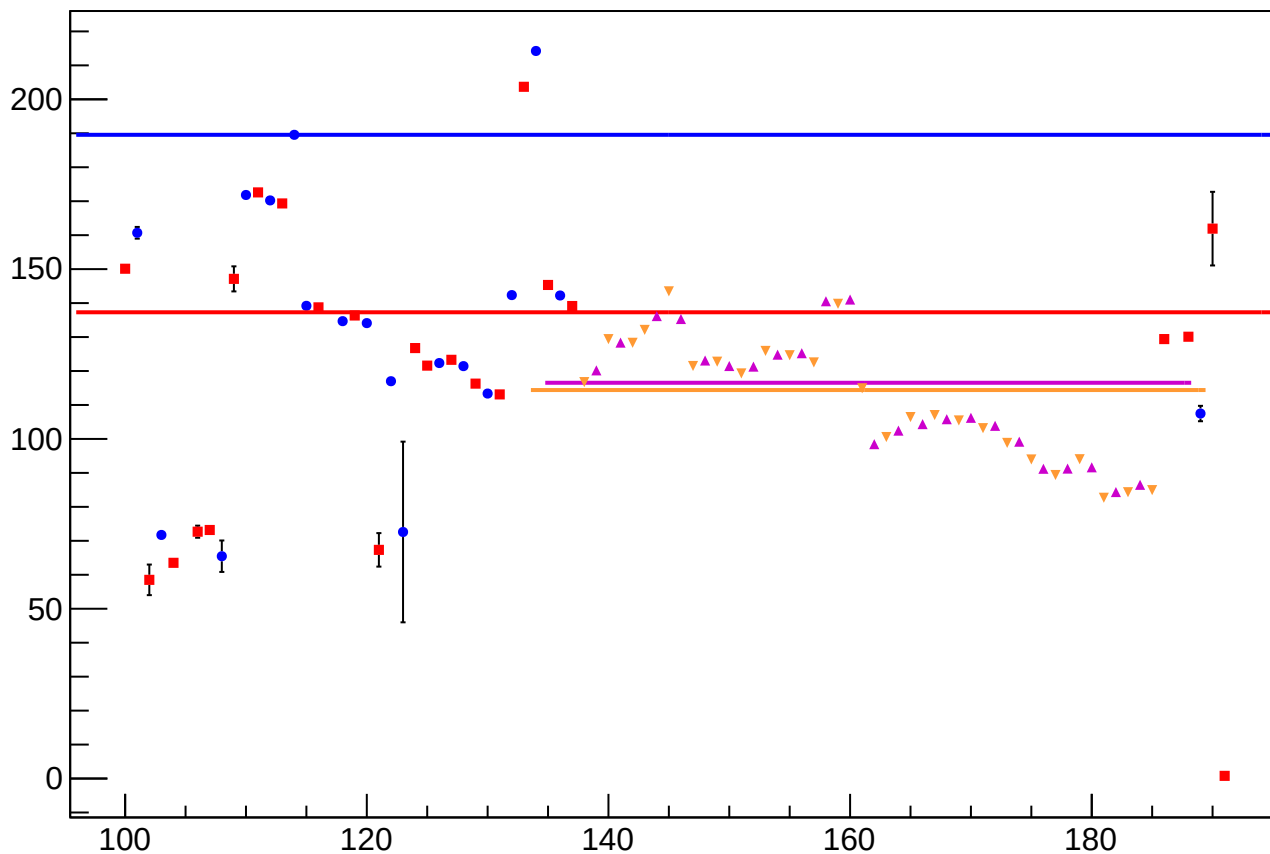
Right: -6.288 ± 0.000 χ^2/NDF : 2878797679293380

In: -78.728 ± 0.000 χ^2/NDF : 17758979.6/40

Out: -5.769 ± 0.000 χ^2/NDF : 1495468.2/47

All: -6.288 ± 0.000 χ^2/NDF : 2878797679293

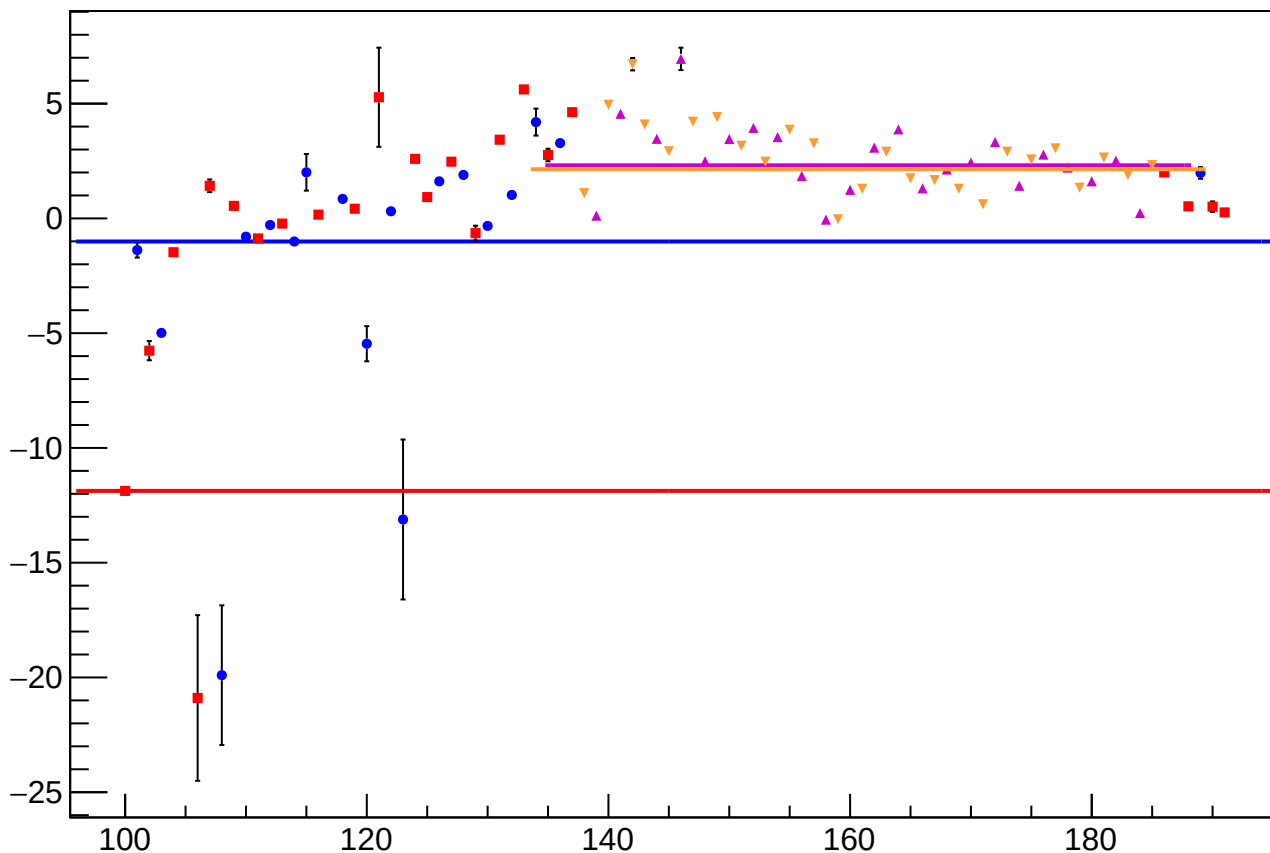
dit_atr2_4eY_slope vs Slug, Sign Corrected



Right In: 189.551 $\pm$ 0.000 χ^2 /NDF: 928703.0/17
 Left Out: 114.395 $\pm$ 0.023 χ^2 /NDF:434871.2/24
 Right Out: 137.294 $\pm$ 0.057 χ^2 /NDF: 127301.7/22
 Left In: 116.538 $\pm$ 0.024 χ^2 /NDF:458128.6/22

Left: 115.418 $\pm$ 0.016 χ^2 /NDF: 897301.5/47
 Right: 189.551 $\pm$ 0.000 χ^2 /NDF: 1891778.2/40
 In: 189.551 $\pm$ 0.000 χ^2 /NDF:10948644.2/40
 Out: 117.484 $\pm$ 0.021 χ^2 /NDF:701007.3/47
 All: 189.551 $\pm$ 0.000 χ^2 /NDF: 23432846.5/80

dit_sam1_4aX_slope vs Slug, Sign Corrected



Right In: -1.007 ± 0.000 χ^2/NDF : 7195.3/17

Left Out: 2.143 ± 0.015 χ^2/NDF : 6585.0/24

Right Out: -11.872 ± 0.000 χ^2/NDF : 597435.7/22

Left In: 2.313 ± 0.014 χ^2/NDF : 7446.3/22

Left: 2.231 ± 0.010 χ^2/NDF : 14101.5/47

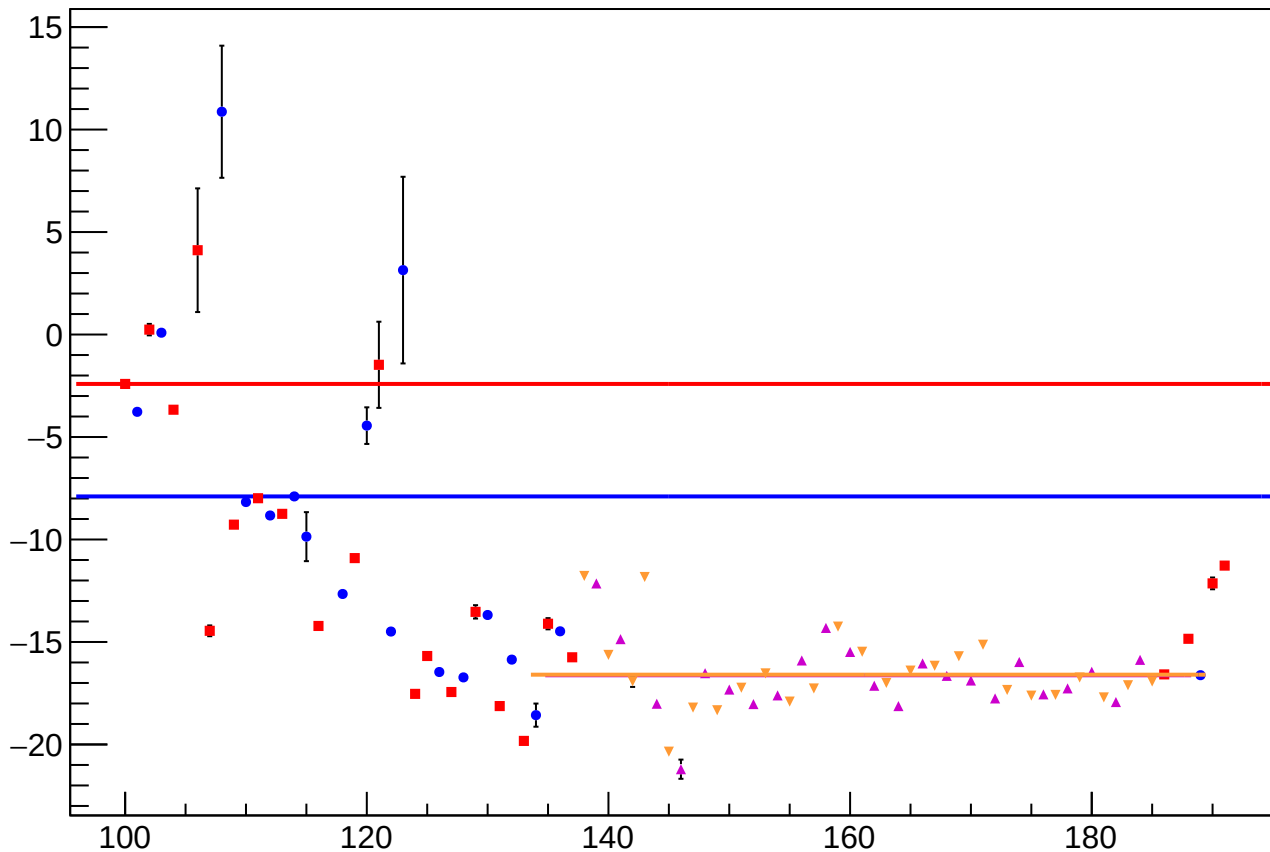
Right: -1.365 ± 0.000 χ^2/NDF : 2170760676638215

In: -1.007 ± 0.000 χ^2/NDF : 70365.6/40

Out: -11.872 ± 0.000 χ^2/NDF : 1519252.7/47

All: -1.365 ± 0.000 χ^2/NDF : 2170760676638

dit_sam1_4eX_slope vs Slug, Sign Corrected



Right In: -7.899 ± 0.000 χ^2/NDF : 42917.2/17

Left Out: -16.595 ± 0.014 χ^2/NDF : 8432.7/24

Right Out: -2.410 ± 0.000 χ^2/NDF : 311045.8/22

Left In: -16.625 ± 0.015 χ^2/NDF : 6289.5/22

Left: -16.610 ± 0.010 χ^2/NDF : 14724.4/47

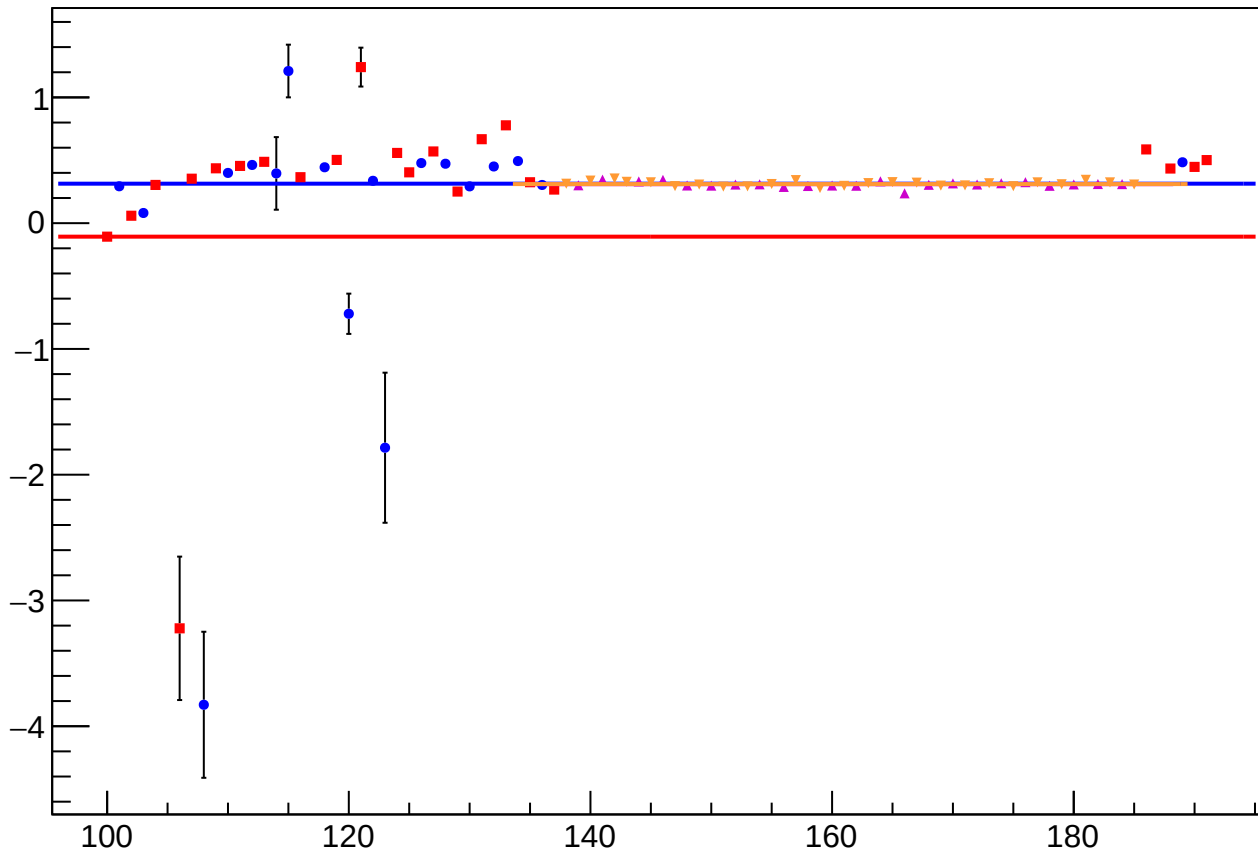
Right: -4.135 ± 0.000 χ^2/NDF : 2879850560728951

In: -7.899 ± 0.000 χ^2/NDF : 402014.5/40

Out: -2.410 ± 0.000 χ^2/NDF : 1292742.9/47

All: -4.135 ± 0.000 χ^2/NDF : 2879850560728

dit_sam1_11X12X_slope vs Slug, Sign Corrected



Right In: 0.314 $\pm$ 0.001 χ^2 /NDF: 2793.4/17

Left Out: 0.311 $\pm$ 0.000 χ^2 /NDF:4975.7/24

Right Out: -0.107 $\pm$ 0.000 χ^2 /NDF: 230502.8/22

Left In: 0.310 $\pm$ 0.000 χ^2 /NDF:3074.6/22

Left: 0.310 $\pm$ 0.000 χ^2 /NDF: 8056.7/47

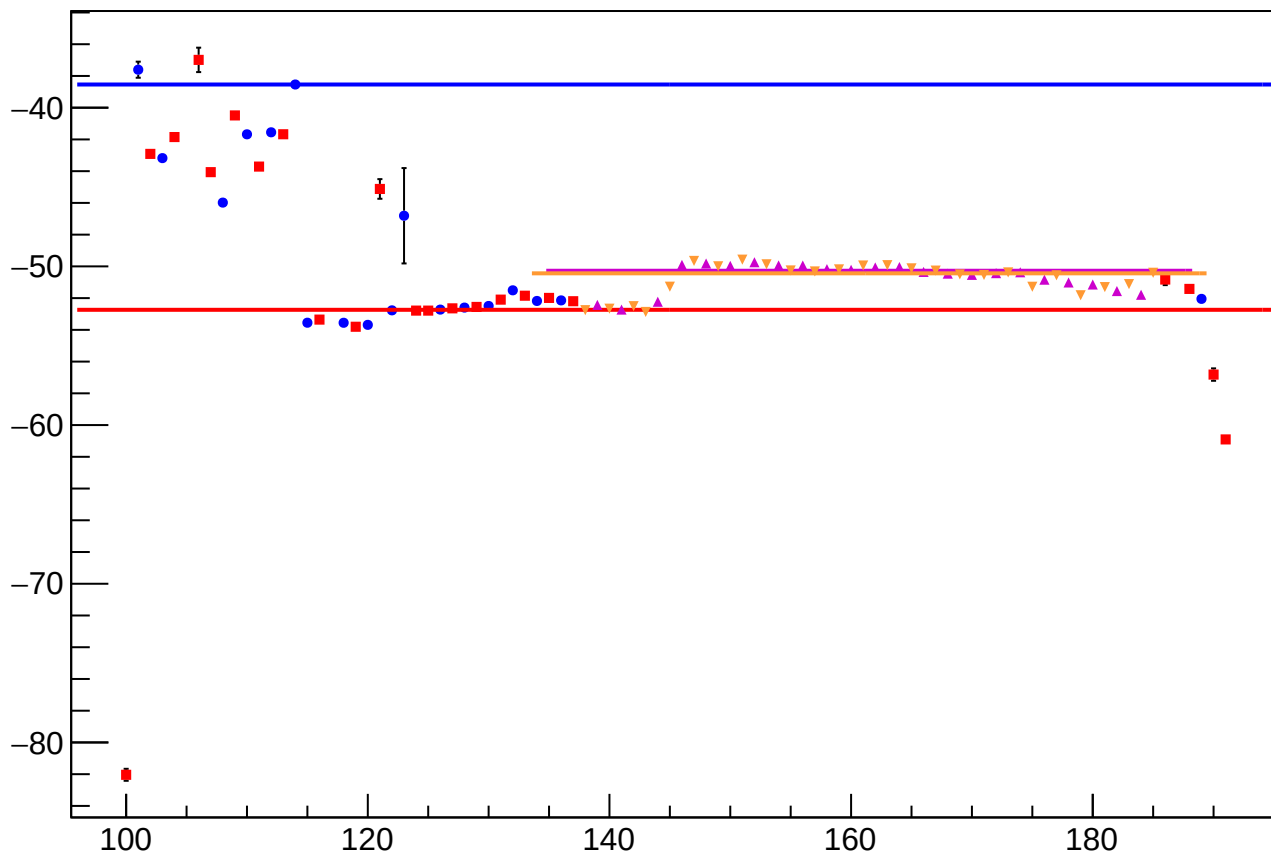
Right: -0.107 $\pm$ 0.000 χ^2 /NDF: 420144.2/40

In: 0.310 $\pm$ 0.000 χ^2 /NDF:5884.4/40

Out: -0.107 $\pm$ 0.000 χ^2 /NDF:3672752.9/47

All: -0.107 $\pm$ 0.000 χ^2 /NDF: 7167920.0/88

dit_sam1_4aY_slope vs Slug, Sign Corrected



Right In: -38.539 ± 0.000 χ^2/NDF : 14954551.7/17

Left Out: -50.438 ± 0.001 χ^2/NDF : 299897.3/24

Right Out: -52.736 ± 0.002 χ^2/NDF : 89436.0/22

Left In: -50.276 ± 0.001 χ^2/NDF : 190236.3/22

Left: -50.350 ± 0.001 χ^2/NDF : 497837.6/47

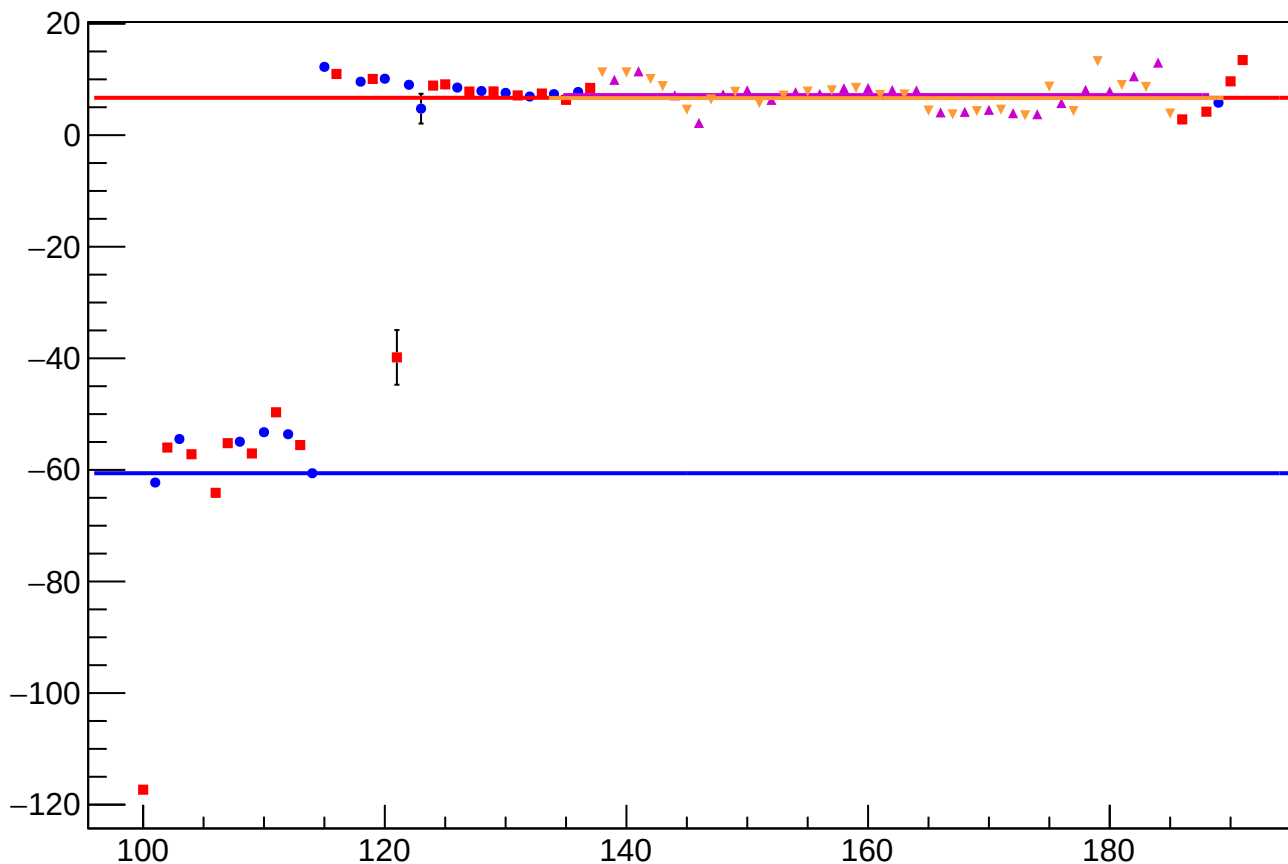
Right: -38.539 ± 0.000 χ^2/NDF : 72155686.7/40

In: -38.539 ± 0.000 χ^2/NDF : 103113612.7/40

Out: -51.235 ± 0.001 χ^2/NDF : 1366691.0/47

All: -38.539 ± 0.000 χ^2/NDF : 236193974.2/8

dit_sam1_4eY_slope vs Slug, Sign Corrected



Right In: -60.594 $\pm$ 0.000 χ^2 /NDF: 26241955.6/17

Left Out: 6.641 $\pm$ 0.004 χ^2 /NDF: 340462.4/24

Right Out: 6.696 $\pm$ 0.011 χ^2 /NDF: 1269040.7/22

Left In: 7.179 $\pm$ 0.003 χ^2 /NDF: 214127.6/22

Left: 6.926 $\pm$ 0.003 χ^2 /NDF: 565961.5/47

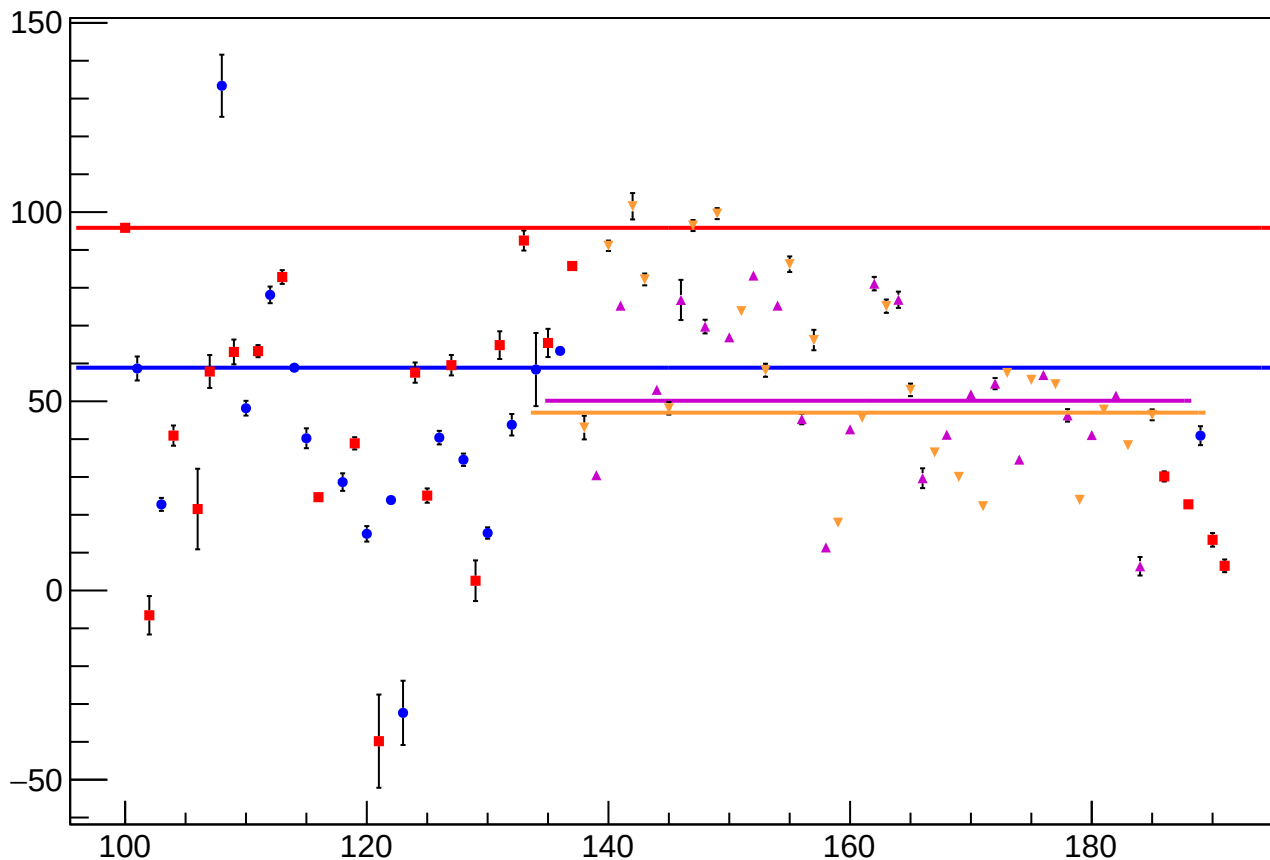
Right: -60.594 $\pm$ 0.000 χ^2 /NDF: 66047211.5/40

In: -60.594 $\pm$ 0.000 χ^2 /NDF: 410312817.5/40

Out: 6.646 $\pm$ 0.003 χ^2 /NDF: 1609526.7/47

All: -60.594 $\pm$ 0.000 χ^2 /NDF: 784523663.9/8

dit_sam2_4aX_slope vs Slug, Sign Corrected



Right In: 58.880 ± 0.000 $\chi^2/\text{NDF}: 3866.1/17$

Left Out: 46.995 ± 0.215 $\chi^2/\text{NDF}: 9203.7/24$

Right Out: 95.846 ± 0.000 $\chi^2/\text{NDF}: 65354.0/22$

Left In: 50.144 ± 0.212 $\chi^2/\text{NDF}: 6667.7/22$

Left: 48.595 ± 0.151 $\chi^2/\text{NDF}: 15980.5/47$

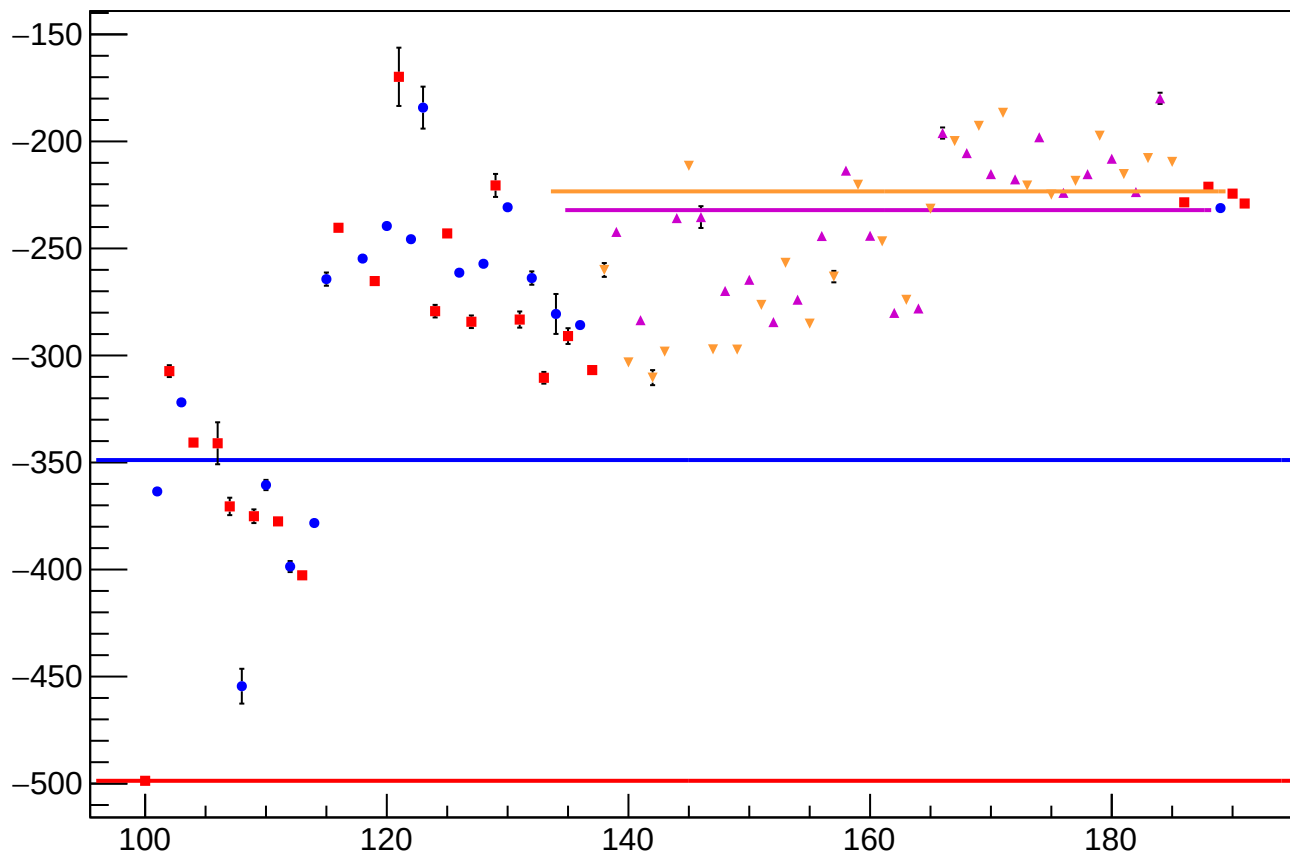
Right: 60.098 ± 0.000 $\chi^2/\text{NDF}: 9815233945666380$

In: 58.880 ± 0.000 $\chi^2/\text{NDF}: 12239.7/40$

Out: 95.846 ± 0.000 $\chi^2/\text{NDF}: 126198.6/47$

All: 60.098 ± 0.000 $\chi^2/\text{NDF}: 9815233945666$

dit_sam2_4eX_slope vs Slug, Sign Corrected



Right In: -348.855+/-0.243 χ^2/NDF : 45261.0/17

Left Out: -223.342+/-0.215 χ^2/NDF :22293.9/24

Right Out: -498.692+/-0.000 χ^2/NDF : 944634.1/22

Left In: -232.094+/-0.217 χ^2/NDF :17468.1/22

Left: -227.678+/-0.153 χ^2/NDF : 40579.8/47

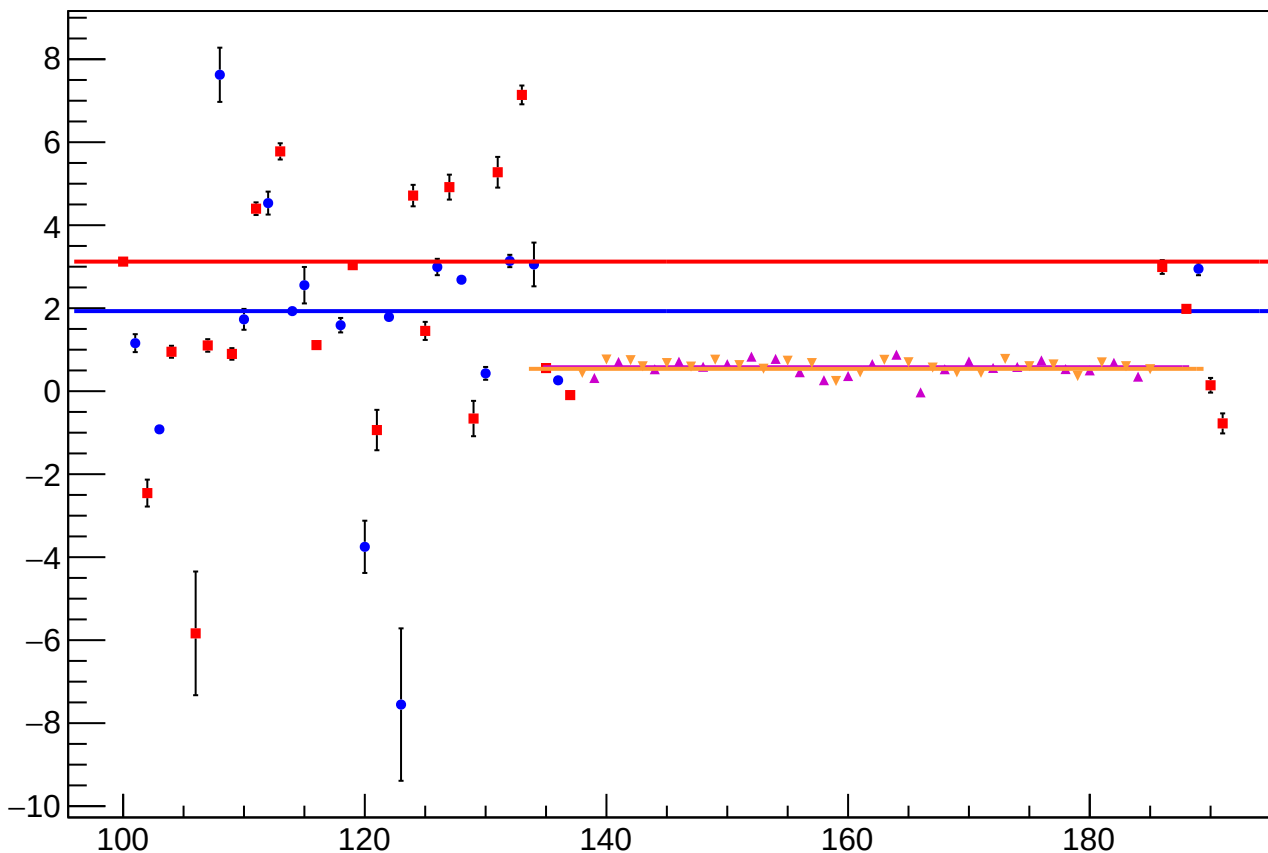
Right: -498.692+/-0.000 χ^2/NDF : 1371664.0/40

In: -284.123+/-0.162 χ^2/NDF :191249.6/40

Out: -498.692+/-0.000 χ^2/NDF :2600591.4/47

All: -498.692+/-0.000 χ^2/NDF : 4548749.0/88

dit_sam2_11X12X_slope vs Slug, Sign Corrected



Right In: 1.930 $\pm$ 0.000 χ^2 /NDF: 60014.5/17

Left Out: 0.539 $\pm$ 0.002 χ^2 /NDF:10792.6/24

Right Out: 3.123 $\pm$ 0.000 χ^2 /NDF: 513359.2/22

Left In: 0.577 $\pm$ 0.001 χ^2 /NDF:15533.6/22

Left: 0.561 $\pm$ 0.001 χ^2 /NDF: 26629.0/47

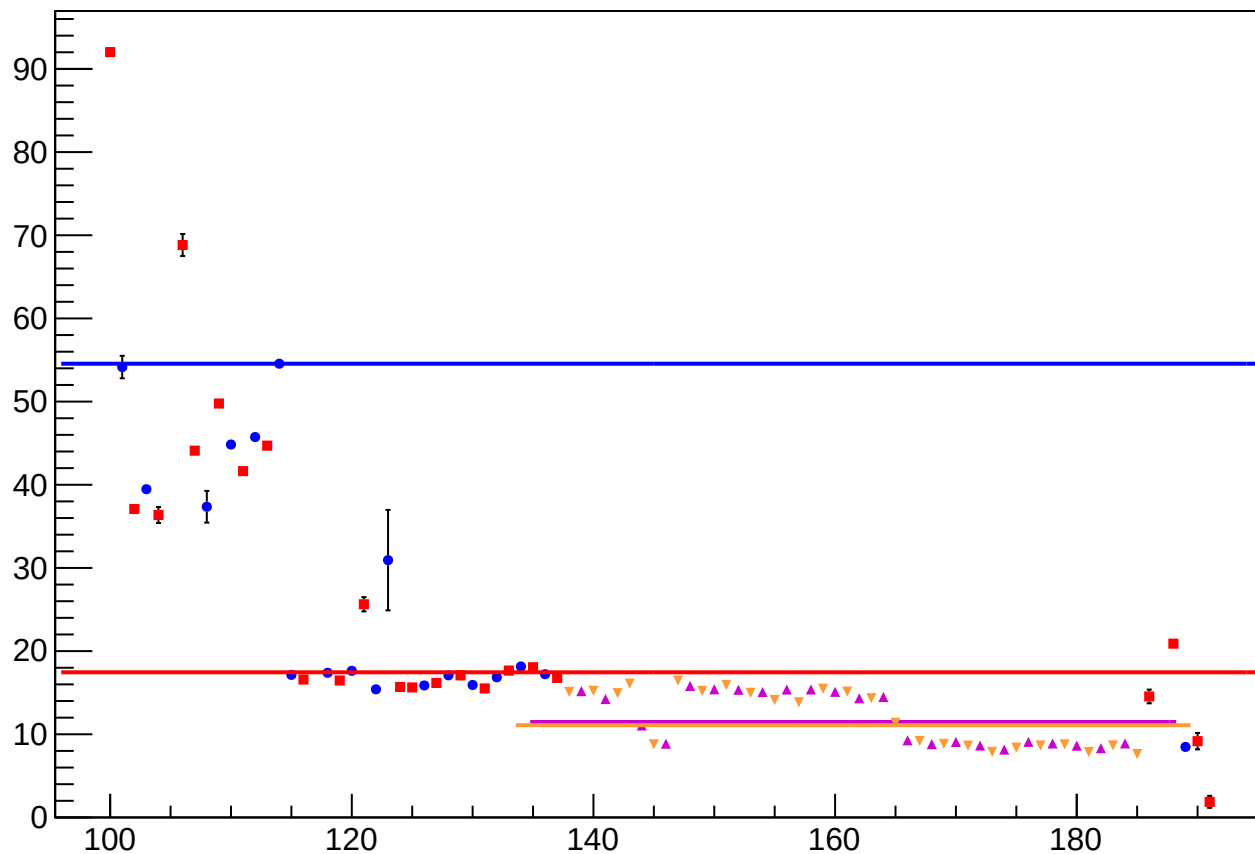
Right: 2.073 $\pm$ 0.000 χ^2 /NDF: 38099534578085305

In: 1.930 $\pm$ 0.000 χ^2 /NDF:944745.2/40

Out: 3.123 $\pm$ 0.000 χ^2 /NDF:2909194.8/47

All: 2.073 $\pm$ 0.000 χ^2 /NDF: 38099534578085305

dit_sam2_4aY_slope vs Slug, Sign Corrected



Right In: 54.556 ± 0.000 $\chi^2/\text{NDF}: 9915674.9/17$

Left Out: 11.095 ± 0.005 $\chi^2/\text{NDF}: 381518.3/24$

Right Out: 17.454 ± 0.018 $\chi^2/\text{NDF}: 99967.9/22$

Left In: 11.477 ± 0.005 $\chi^2/\text{NDF}: 381285.2/22$

Left: 11.291 ± 0.004 $\chi^2/\text{NDF}: 765409.6/47$

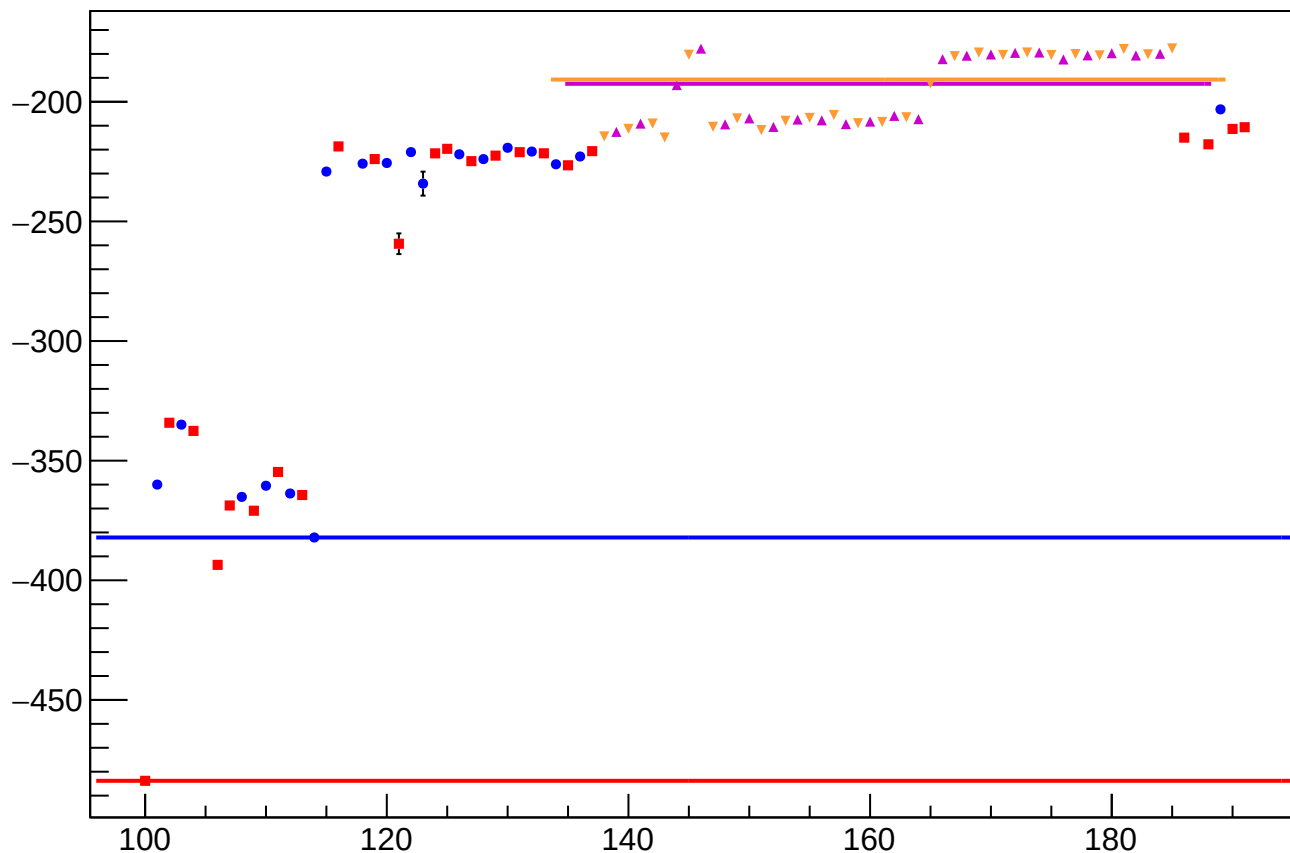
Right: 54.556 ± 0.000 $\chi^2/\text{NDF}: 14151243.2/40$

In: 54.556 ± 0.000 $\chi^2/\text{NDF}: 78242410.8/40$

Out: 11.600 ± 0.005 $\chi^2/\text{NDF}: 593338.9/47$

All: 54.556 ± 0.000 $\chi^2/\text{NDF}: 148684777.8/88$

dit_sam2_4eY_slope vs Slug, Sign Corrected



Right In: -382.108+/-0.000 χ^2/NDF : 18975720.4/17

Left Out: -190.703+/-0.011 χ^2/NDF : 1602184.8/24

Right Out: -483.800+/-0.000 χ^2/NDF : 25238581.7/22

Left In: -192.488+/-0.011 χ^2/NDF : 1500910.9/22

Left: -191.577+/-0.008 χ^2/NDF : 3115630.8/47

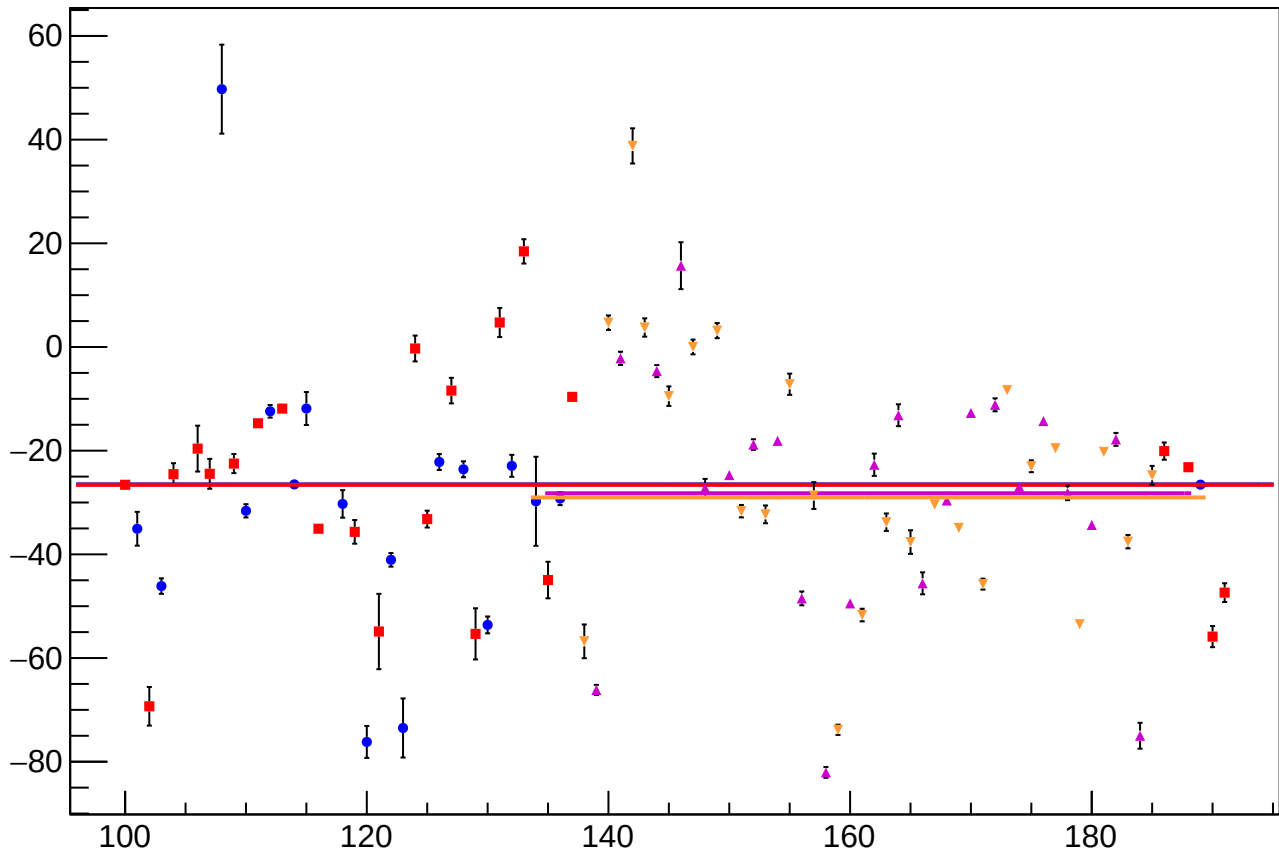
Right: -417.999+/-0.000 χ^2/NDF : 12425488813367

In: -382.108+/-0.000 χ^2/NDF : 297589876.7/40

Out: -483.800+/-0.000 χ^2/NDF : 717020526.6/47

All: -417.999+/-0.000 χ^2/NDF : 12425488813

dit_sam3_4aX_slope vs Slug, Sign Corrected



Right In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 1180.7/17$

Left Out: -29.022 ± 0.235 $\chi^2/\text{NDF}: 7110.5/24$

Right Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 3024.9/22$

Left In: -28.215 ± 0.215 $\chi^2/\text{NDF}: 7786.5/22$

Left: -28.582 ± 0.158 $\chi^2/\text{NDF}: 14903.4/47$

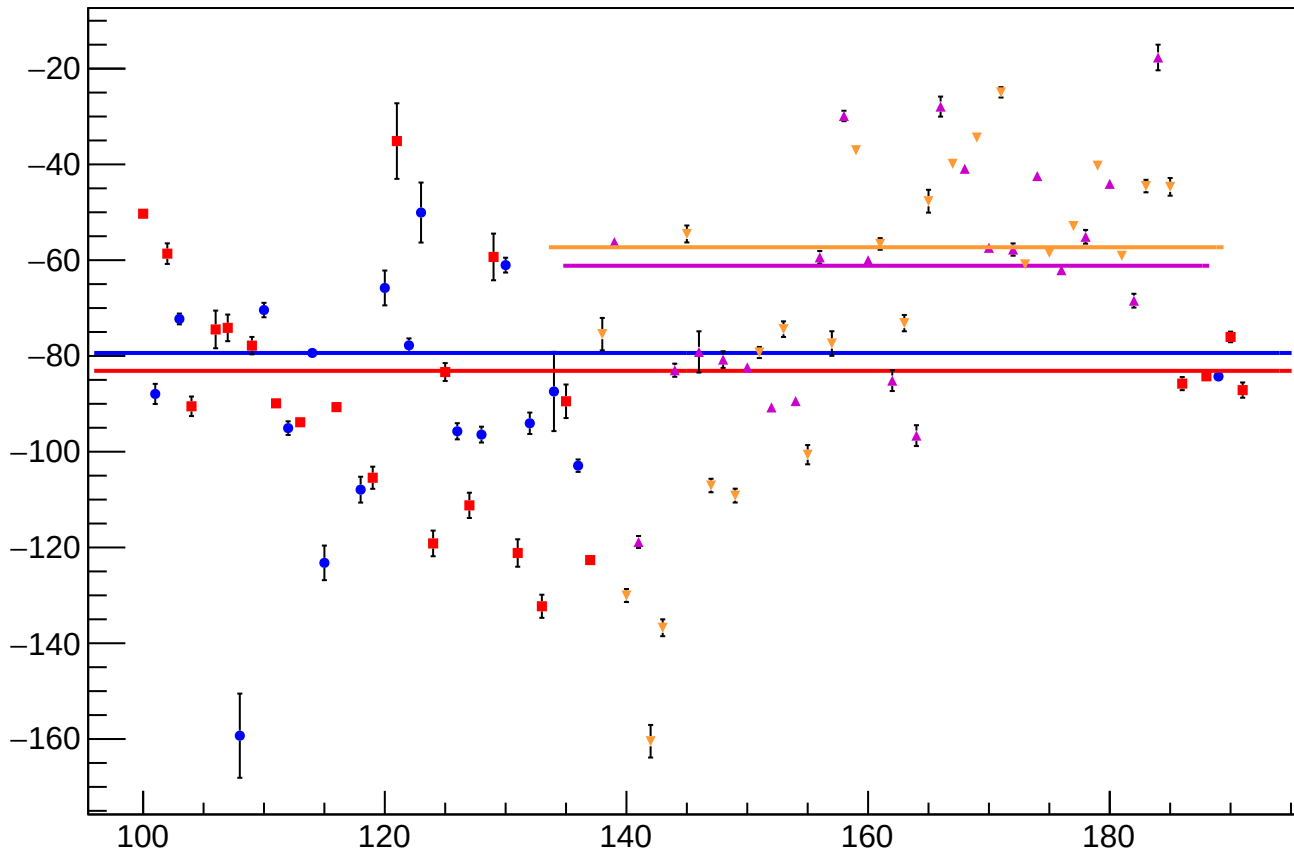
Right: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654659$

In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 9030.8/40$

Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 10243.9/47$

All: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654$

dit_sam3_4eX_slope vs Slug, Sign Corrected



Right In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 1340.0/17$

Left Out: -57.300 ± 0.229 $\chi^2/\text{NDF}: 13067.7/24$

Right Out: -83.111 ± 0.167 $\chi^2/\text{NDF}: 11970.7/22$

Left In: -61.164 ± 0.218 $\chi^2/\text{NDF}: 8941.7/22$

Left: -59.332 ± 0.158 $\chi^2/\text{NDF}: 22158.9/47$

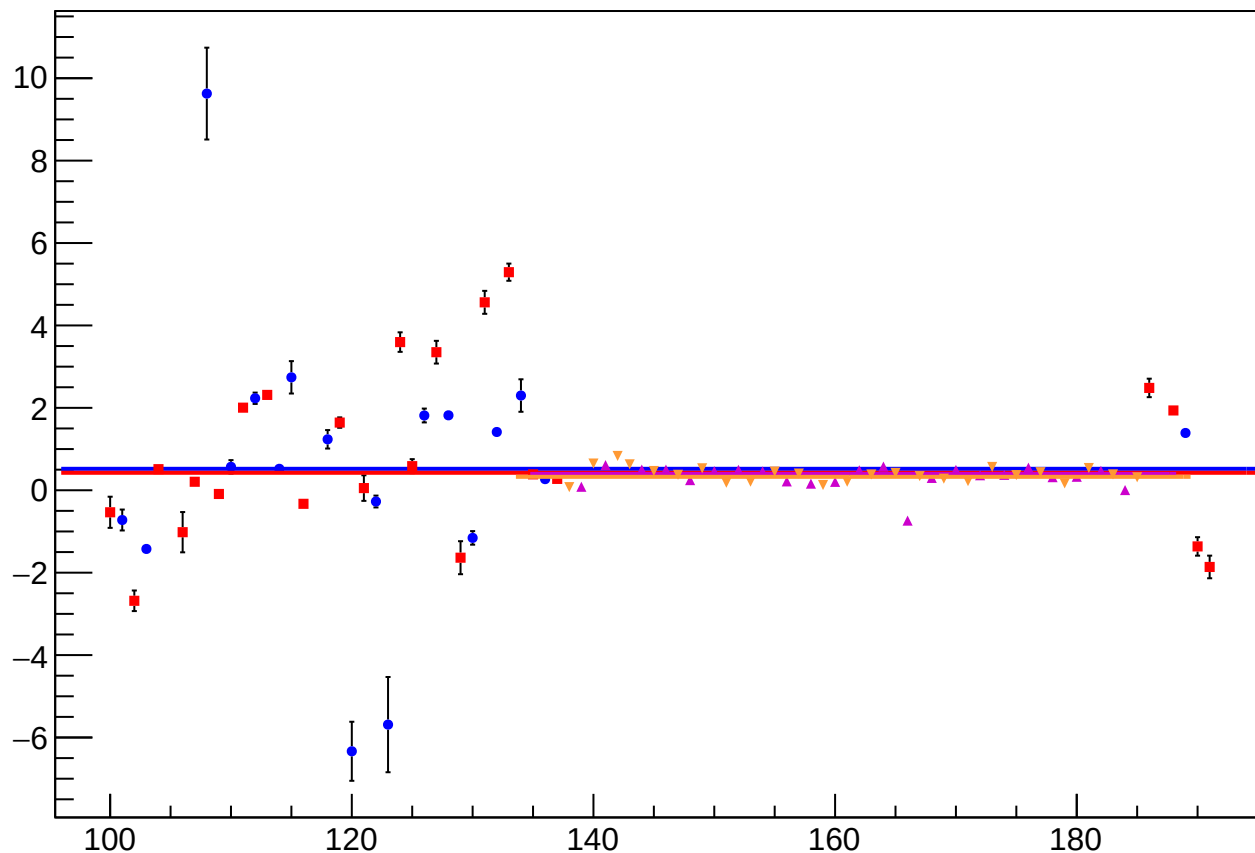
Right: -79.376 ± 0.000 $\chi^2/\text{NDF}: 13813.3/40$

In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 17287.5/40$

Out: -74.188 ± 0.135 $\chi^2/\text{NDF}: 33336.4/47$

All: -79.376 ± 0.000 $\chi^2/\text{NDF}: 52106.2/88$

dit_sam3_11X12X_slope vs Slug, Sign Corrected



Right In: 0.521+/-0.000 χ^2/NDF : 3545.8/17

Left Out: 0.326+/-0.002 χ^2/NDF :10419.3/24

Right Out: 0.424+/-0.011 χ^2/NDF : 3254.0/22

Left In: 0.396+/-0.001 χ^2/NDF :11392.0/22

Left: 0.365+/-0.001 χ^2/NDF : 22859.4/47

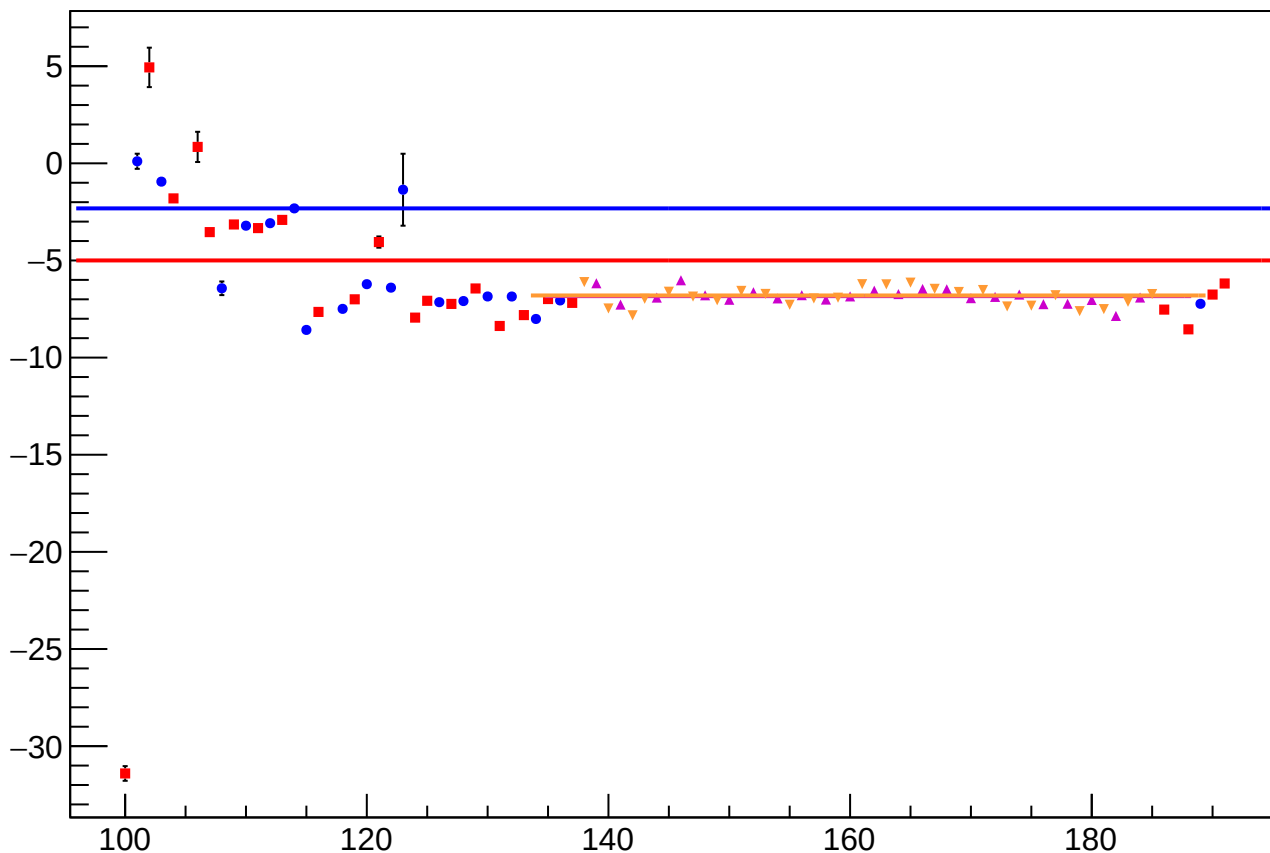
Right: 0.521+/-0.000 χ^2/NDF : 6880.4/40

In: 0.521+/-0.000 χ^2/NDF :22454.6/40

Out: 0.328+/-0.002 χ^2/NDF :13754.3/47

All: 0.521+/-0.000 χ^2/NDF : 50961.6/88

dit_sam3_4aY_slope vs Slug, Sign Corrected



Right In: -2.320+/-0.000 χ^2/NDF : 271621.8/17

Left Out: -6.802+/-0.002 χ^2/NDF :14918.8/24

Right Out: -4.999+/-0.010 χ^2/NDF : 53744.0/22

Left In: -6.836+/-0.002 χ^2/NDF :9245.1/22

Left: -6.819+/-0.002 χ^2/NDF : 24259.8/47

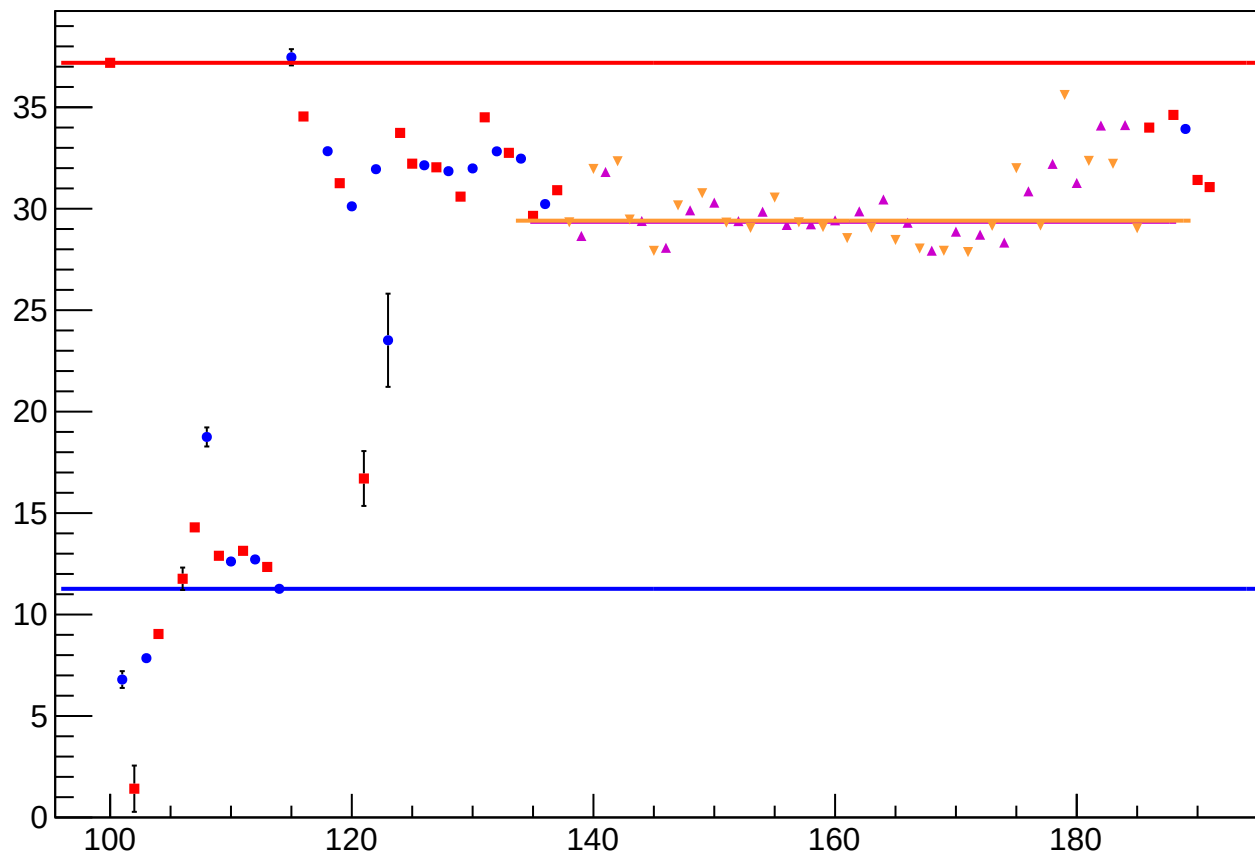
Right: -2.320+/-0.000 χ^2/NDF : 395921.8/40

In: -2.320+/-0.000 χ^2/NDF :3792946.9/40

Out: -6.699+/-0.002 χ^2/NDF :98791.4/47

All: -2.320+/-0.000 χ^2/NDF : 7180072.8/88

dit_sam3_4eY_slope vs Slug, Sign Corrected



Right In: 11.268 $\pm$ 0.000 χ^2 /NDF: 975214.7/17

Left Out: 29.411 $\pm$ 0.008 χ^2 /NDF:44374.5/24

Right Out: 37.191 $\pm$ 0.000 χ^2 /NDF: 1125867.9/22

Left In: 29.354 $\pm$ 0.008 χ^2 /NDF:14741.7/22

Left: 29.381 $\pm$ 0.006 χ^2 /NDF: 59141.7/47

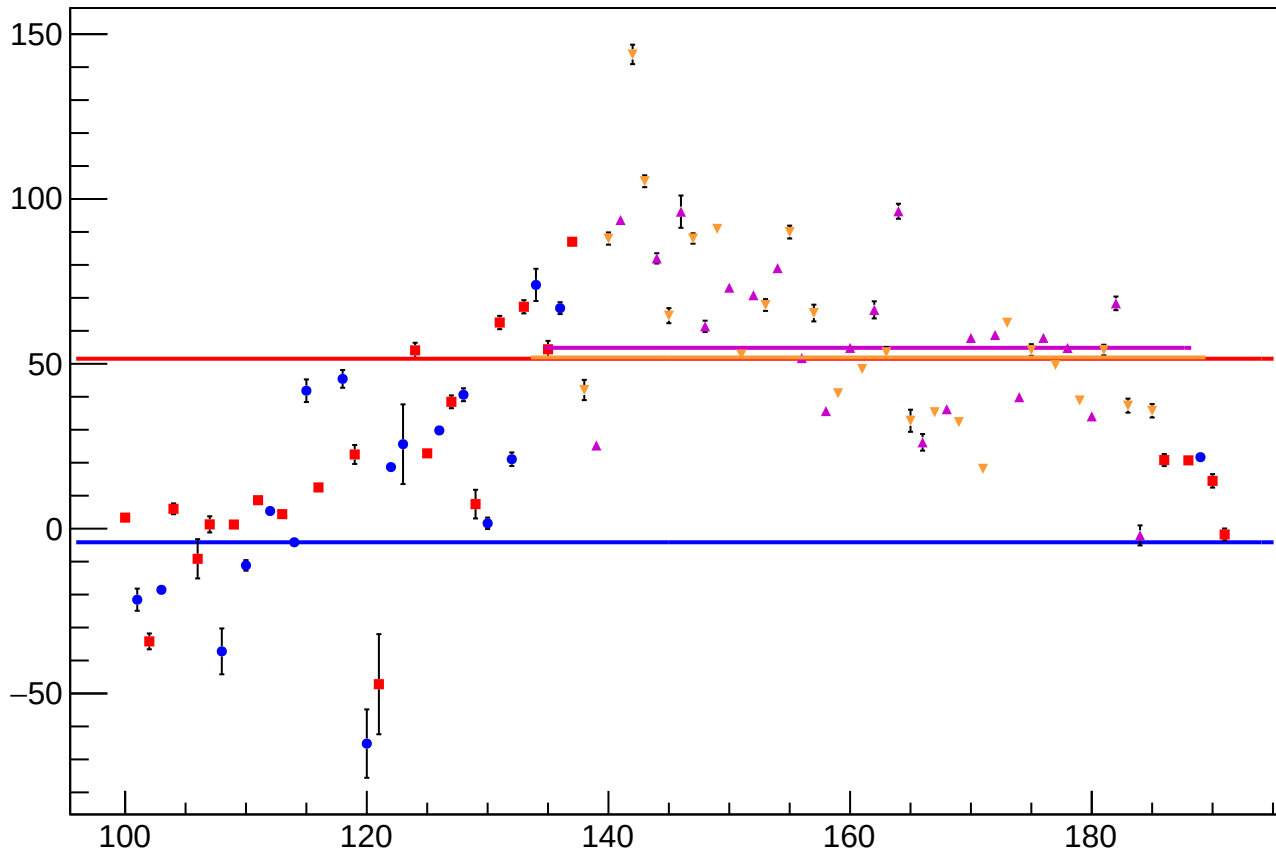
Right: 12.122 $\pm$ 0.000 χ^2 /NDF: 7723055694978834

In: 11.268 $\pm$ 0.000 χ^2 /NDF:6254148.5/40

Out: 37.191 $\pm$ 0.000 χ^2 /NDF:2074019.0/47

All: 12.122 $\pm$ 0.000 χ^2 /NDF: 7723055694978

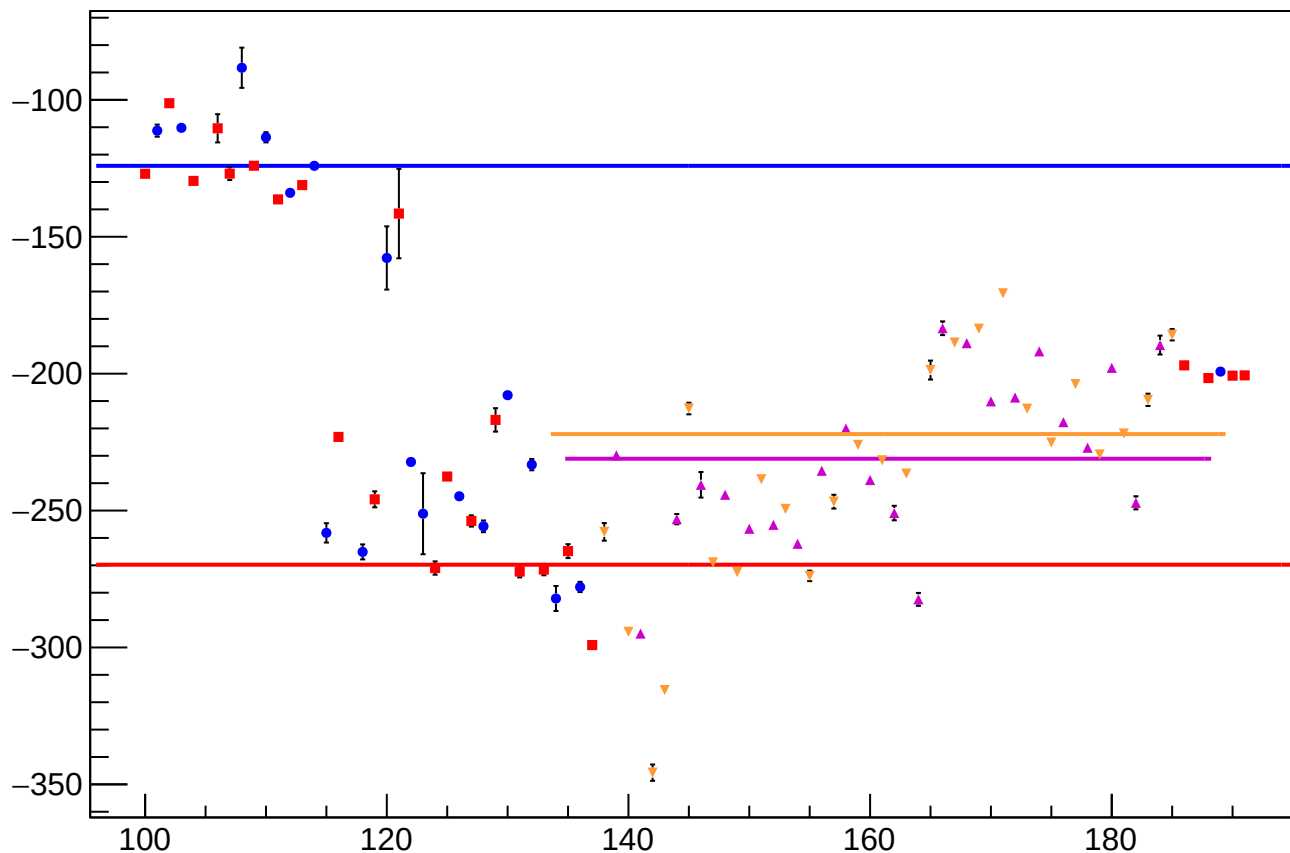
dit_sam4_4aX_slope vs Slug, Sign Corrected



Right In: -4.139 ± 0.000 χ^2/NDF : 5056.8/17
 Left Out: 51.931 ± 0.276 χ^2/NDF : 6225.4/24
 Right Out: 51.543 ± 0.163 χ^2/NDF : 57770.4/22
 Left In: 54.849 ± 0.247 χ^2/NDF : 6325.8/22

Left: 53.548 ± 0.184 χ^2/NDF : 12613.3/47
 Right: -4.139 ± 0.000 χ^2/NDF : 179011.8/40
 In: -4.139 ± 0.000 χ^2/NDF : 68337.2/40
 Out: 51.644 ± 0.141 χ^2/NDF : 63997.3/47
 All: -4.139 ± 0.000 χ^2/NDF : 289923.7/88

dit_sam4_4eX_slope vs Slug, Sign Corrected



Right In: -124.095 ± 0.000 $\chi^2/\text{NDF}: 47301.4/17$

Left Out: -222.063 ± 0.272 $\chi^2/\text{NDF}: 15812.2/24$

Right Out: -269.778 ± 0.110 $\chi^2/\text{NDF}: 299312.5/22$

Left In: -231.069 ± 0.249 $\chi^2/\text{NDF}: 12005.6/22$

Left: -226.957 ± 0.184 $\chi^2/\text{NDF}: 28412.7/47$

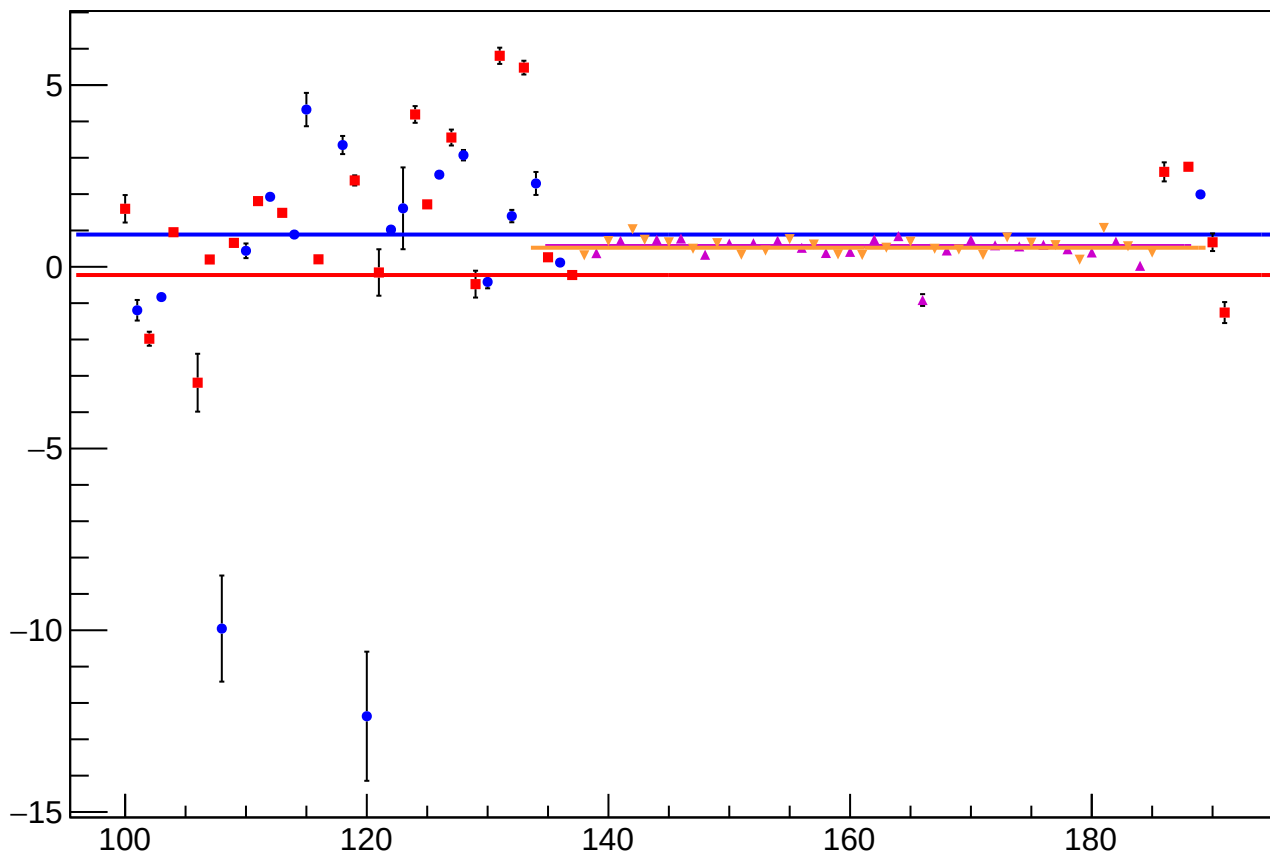
Right: -124.095 ± 0.000 $\chi^2/\text{NDF}: 2098521.4/40$

In: -124.095 ± 0.000 $\chi^2/\text{NDF}: 243180.3/40$

Out: -263.072 ± 0.102 $\chi^2/\text{NDF}: 341536.9/47$

All: -124.095 ± 0.000 $\chi^2/\text{NDF}: 2439766.9/88$

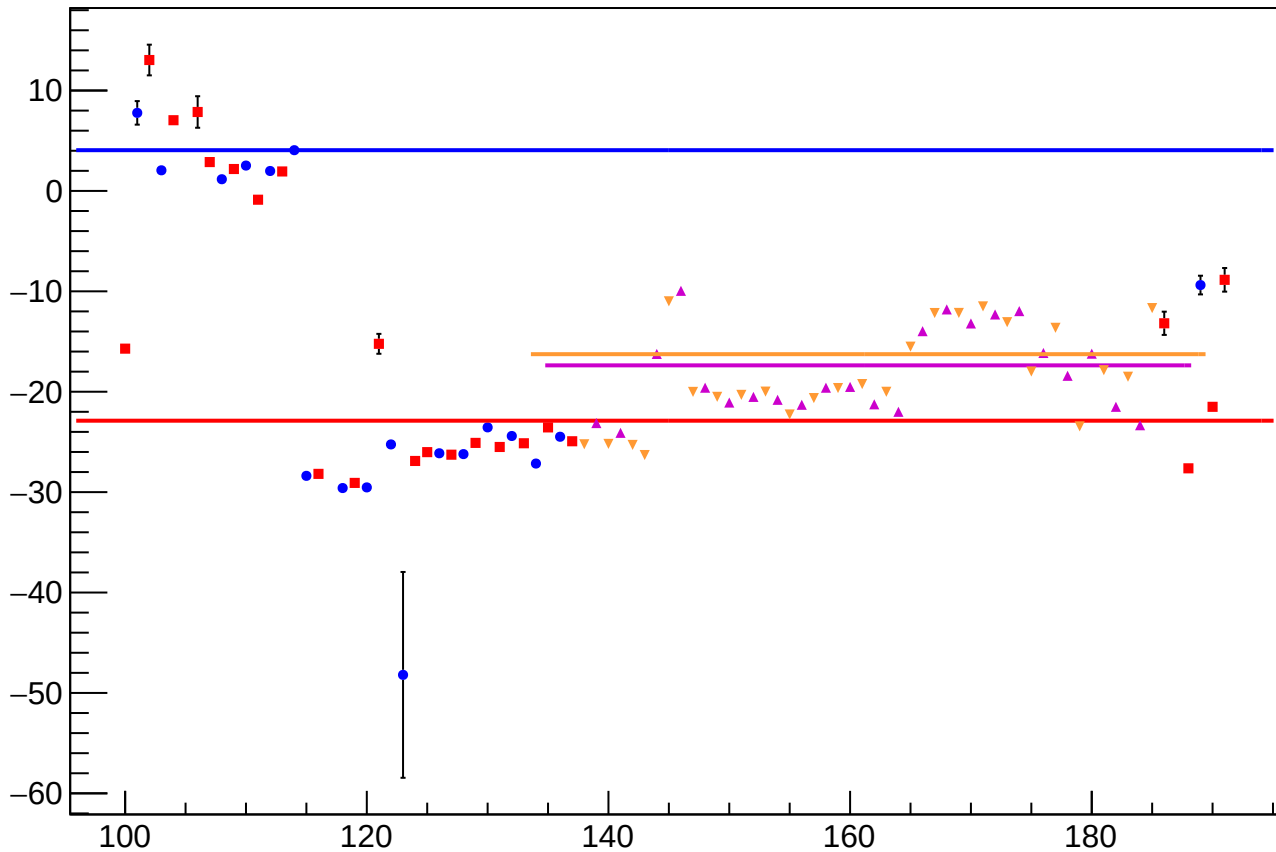
dit_sam4_11X12X_slope vs Slug, Sign Corrected



Right In: 0.888 ± 0.000 $\chi^2/\text{NDF}: 8761.4/17$
 Left Out: 0.525 ± 0.002 $\chi^2/\text{NDF}: 9207.9/24$
 Right Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 6106.3/22$
 Left In: 0.572 ± 0.002 $\chi^2/\text{NDF}: 5600.2/22$

Left: 0.549 ± 0.001 $\chi^2/\text{NDF}: 15080.9/47$
 Right: 0.888 ± 0.000 $\chi^2/\text{NDF}: 422221083.7/40$
 In: 0.888 ± 0.000 $\chi^2/\text{NDF}: 39790.8/40$
 Out: -0.225 ± 0.000 $\chi^2/\text{NDF}: 153836.3/47$
 All: 0.888 ± 0.000 $\chi^2/\text{NDF}: 422293660.5/88$

dit_sam4_4aY_slope vs Slug, Sign Corrected



Right In: 4.057 ± 0.000 $\chi^2/\text{NDF}: 1248096.5/17$

Left Out: -16.260 ± 0.010 $\chi^2/\text{NDF}: 188515.0/24$

Right Out: -22.885 ± 0.026 $\chi^2/\text{NDF}: 116847.5/22$

Left In: -17.374 ± 0.009 $\chi^2/\text{NDF}: 169487.5/22$

Left: -16.854 ± 0.007 $\chi^2/\text{NDF}: 364596.8/47$

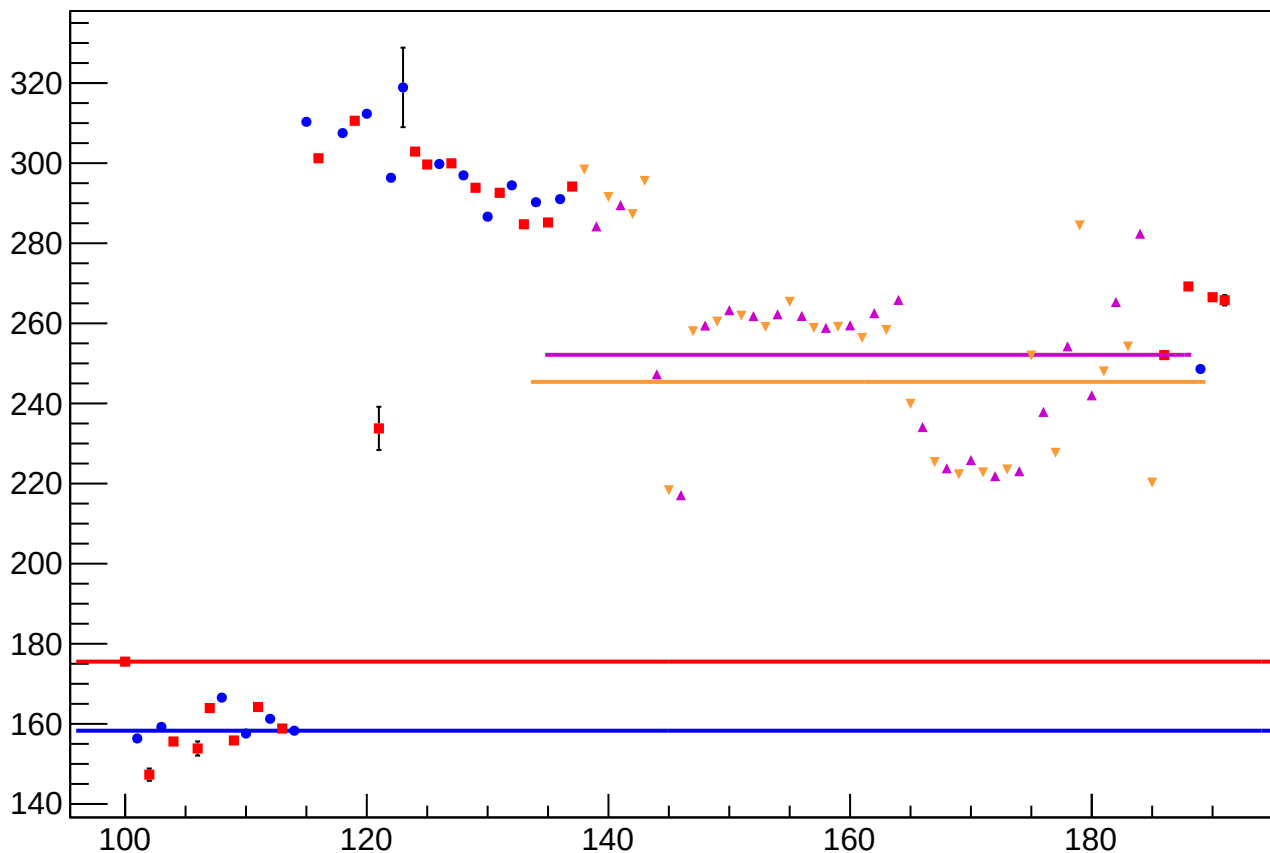
Right: 4.057 ± 0.000 $\chi^2/\text{NDF}: 2421403.3/40$

In: 4.057 ± 0.000 $\chi^2/\text{NDF}: 6647849.8/40$

Out: -17.104 ± 0.009 $\chi^2/\text{NDF}: 361102.8/47$

All: 4.057 ± 0.000 $\chi^2/\text{NDF}: 12125566.6/88$

dit_sam4_4eY_slope vs Slug, Sign Corrected



Right In: 158.293+/-0.000 χ^2/NDF : 2428249.5/17

Left Out: 245.391+/-0.027 χ^2/NDF : 723564.6/24

Right Out: 175.536+/-0.000 χ^2/NDF : 2168302.1/22

Left In: 252.148+/-0.028 χ^2/NDF : 359416.7/22

Left: 248.650+/-0.020 χ^2/NDF : 1112396.8/47

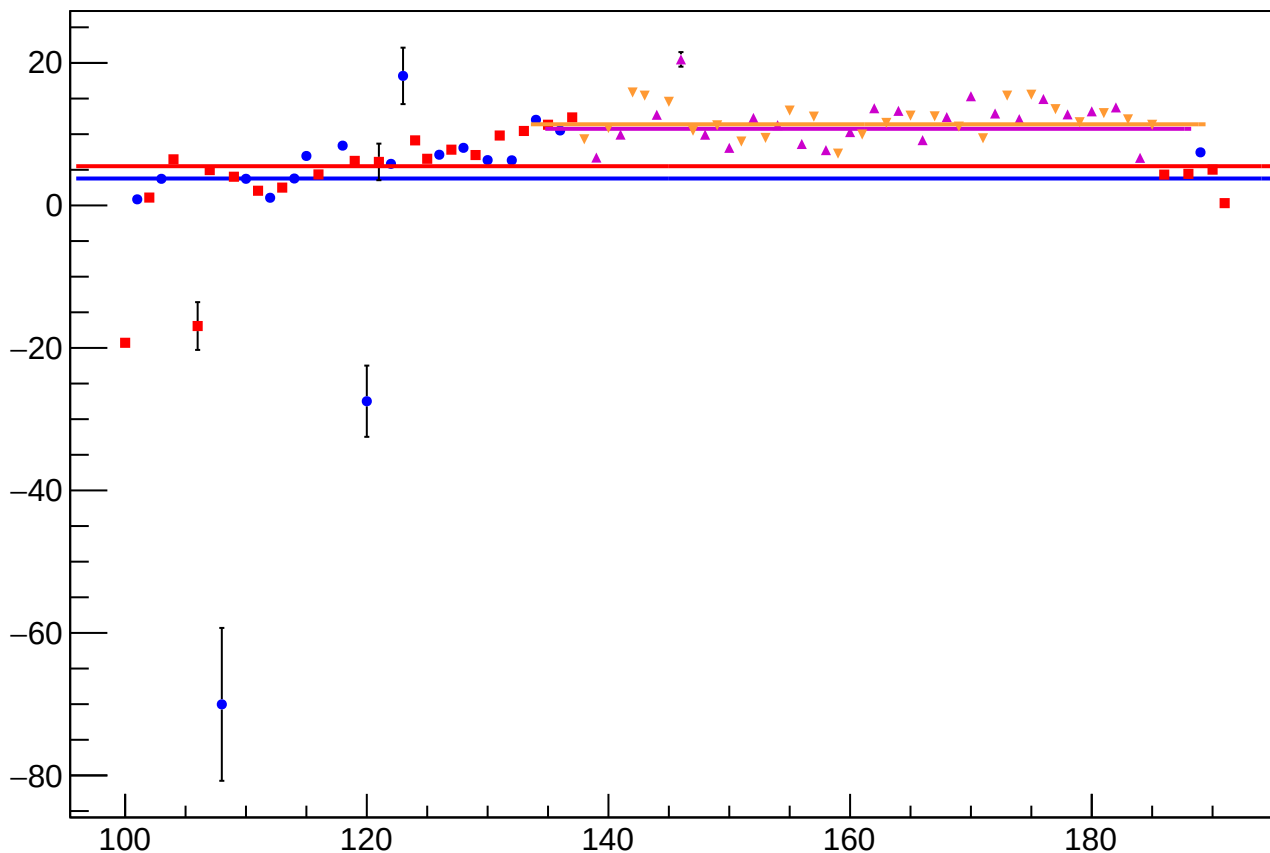
Right: 172.618+/-0.000 χ^2/NDF : 373727491225928

In: 158.293+/-0.000 χ^2/NDF : 13751302.0/40

Out: 175.536+/-0.000 χ^2/NDF : 9408355.0/47

All: 172.618+/-0.000 χ^2/NDF : 373727491225

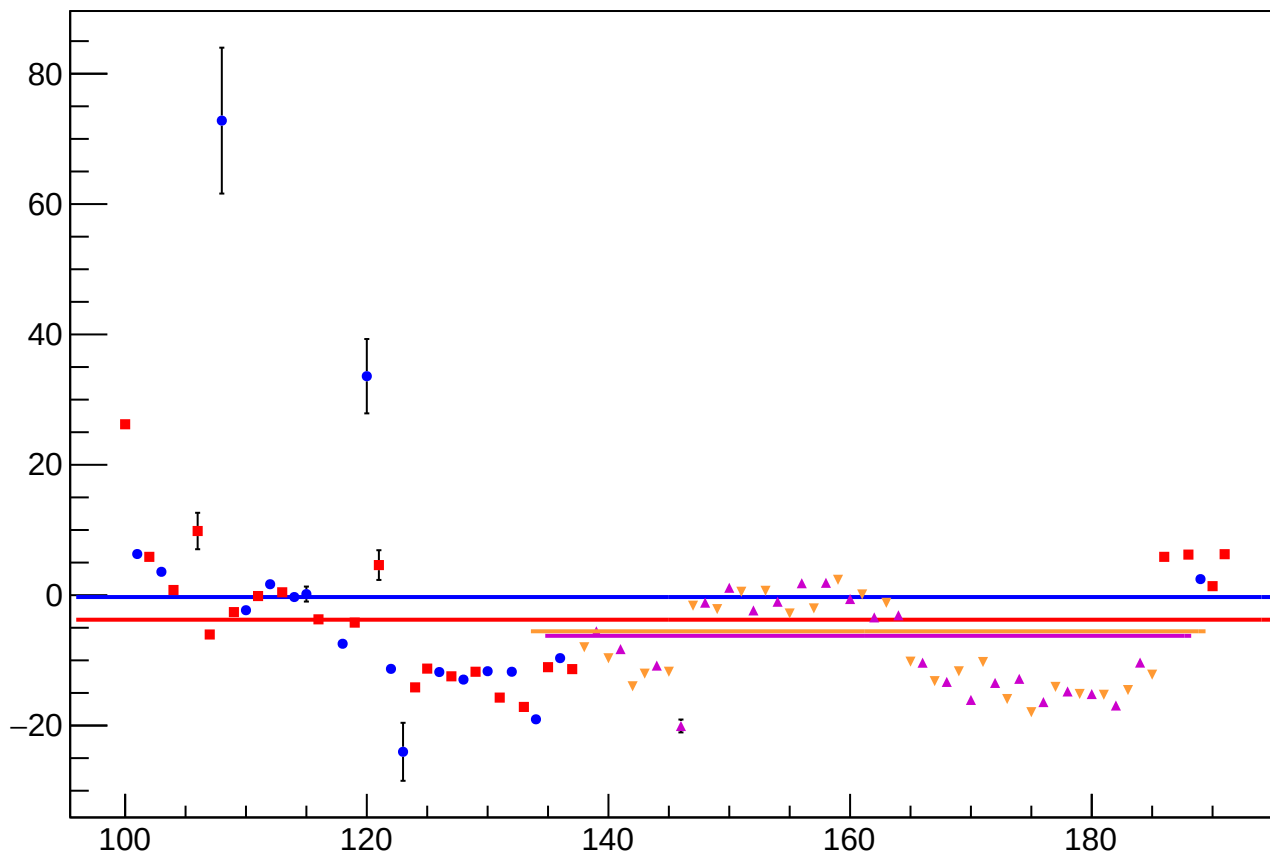
dit_sam5_4aX_slope vs Slug, Sign Corrected



Right In: 3.778 $\pm$ 0.000 χ^2 /NDF: 7096.3/17
 Left Out: 11.389 $\pm$ 0.030 χ^2 /NDF:4296.1/24
 Right Out: 5.506 $\pm$ 0.024 χ^2 /NDF: 23193.4/22
 Left In: 10.753 $\pm$ 0.028 χ^2 /NDF:9950.6/22

Left: 11.045 $\pm$ 0.020 χ^2 /NDF: 14487.9/47
 Right: 3.778 $\pm$ 0.000 χ^2 /NDF: 35626.0/40
 In: 3.778 $\pm$ 0.000 χ^2 /NDF:80381.3/40
 Out: 7.752 $\pm$ 0.019 χ^2 /NDF:51131.8/47
 All: 3.778 $\pm$ 0.000 χ^2 /NDF: 177203.2/88

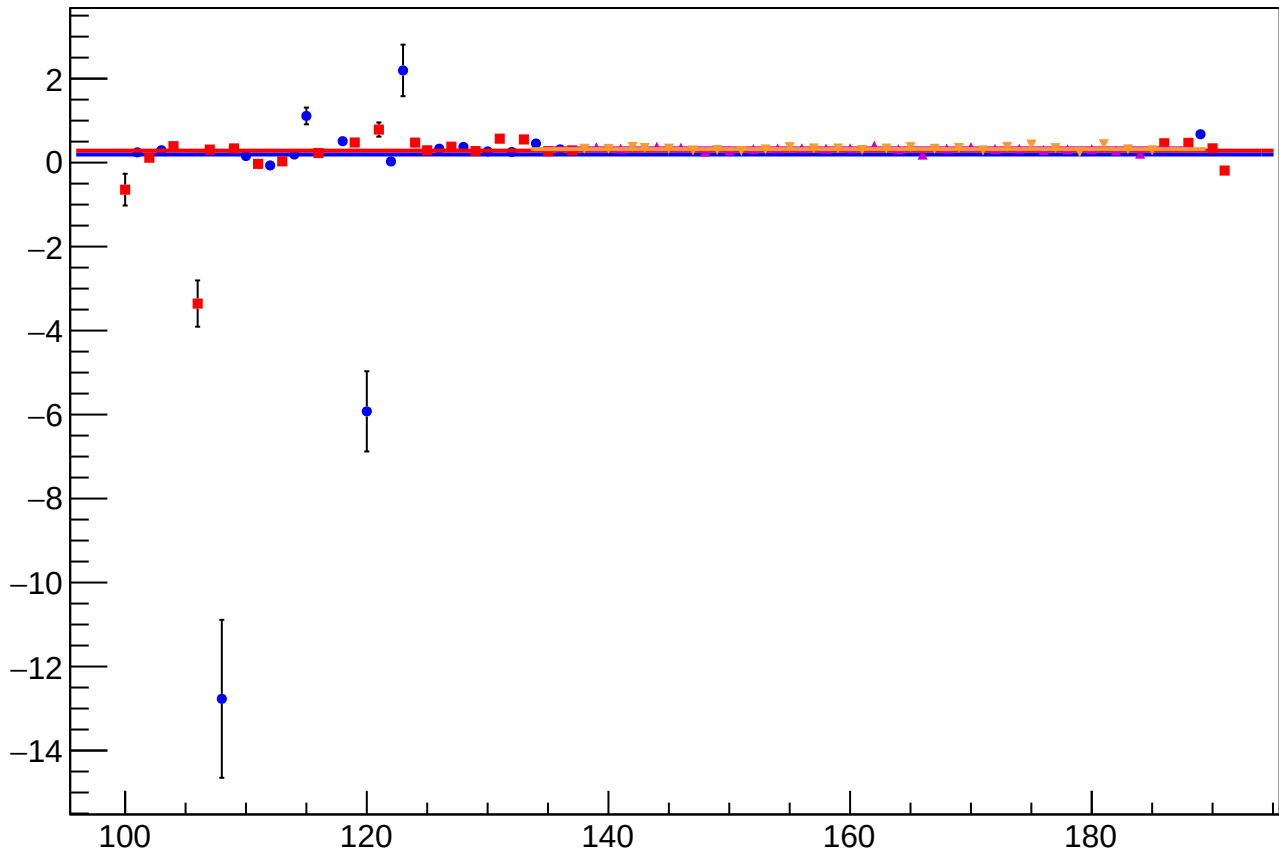
dit_sam5_4eX_slope vs Slug, Sign Corrected



Right In: -0.287 ± 0.000 $\chi^2/\text{NDF}: 44436.6/17$
 Left Out: -5.539 ± 0.030 $\chi^2/\text{NDF}: 43439.8/24$
 Right Out: -3.764 ± 0.025 $\chi^2/\text{NDF}: 97683.0/22$
 Left In: -6.234 ± 0.028 $\chi^2/\text{NDF}: 57358.9/22$

Left: -5.909 ± 0.021 $\chi^2/\text{NDF}: 101082.7/47$
 Right: -0.287 ± 0.000 $\chi^2/\text{NDF}: 162004.3/40$
 In: -0.287 ± 0.000 $\chi^2/\text{NDF}: 146154.4/40$
 Out: -4.476 ± 0.019 $\chi^2/\text{NDF}: 143204.1/47$
 All: -0.287 ± 0.000 $\chi^2/\text{NDF}: 337604.3/88$

dit_sam5_11X12X_slope vs Slug, Sign Corrected



Right In: 0.193+/-0.000 χ^2/NDF : 10549.3/17

Left Out: 0.320+/-0.001 χ^2/NDF : 3374.4/24

Right Out: 0.286+/-0.001 χ^2/NDF : 6710.0/22

Left In: 0.340+/-0.001 χ^2/NDF : 4171.9/22

Left: 0.330+/-0.000 χ^2/NDF : 8287.4/47

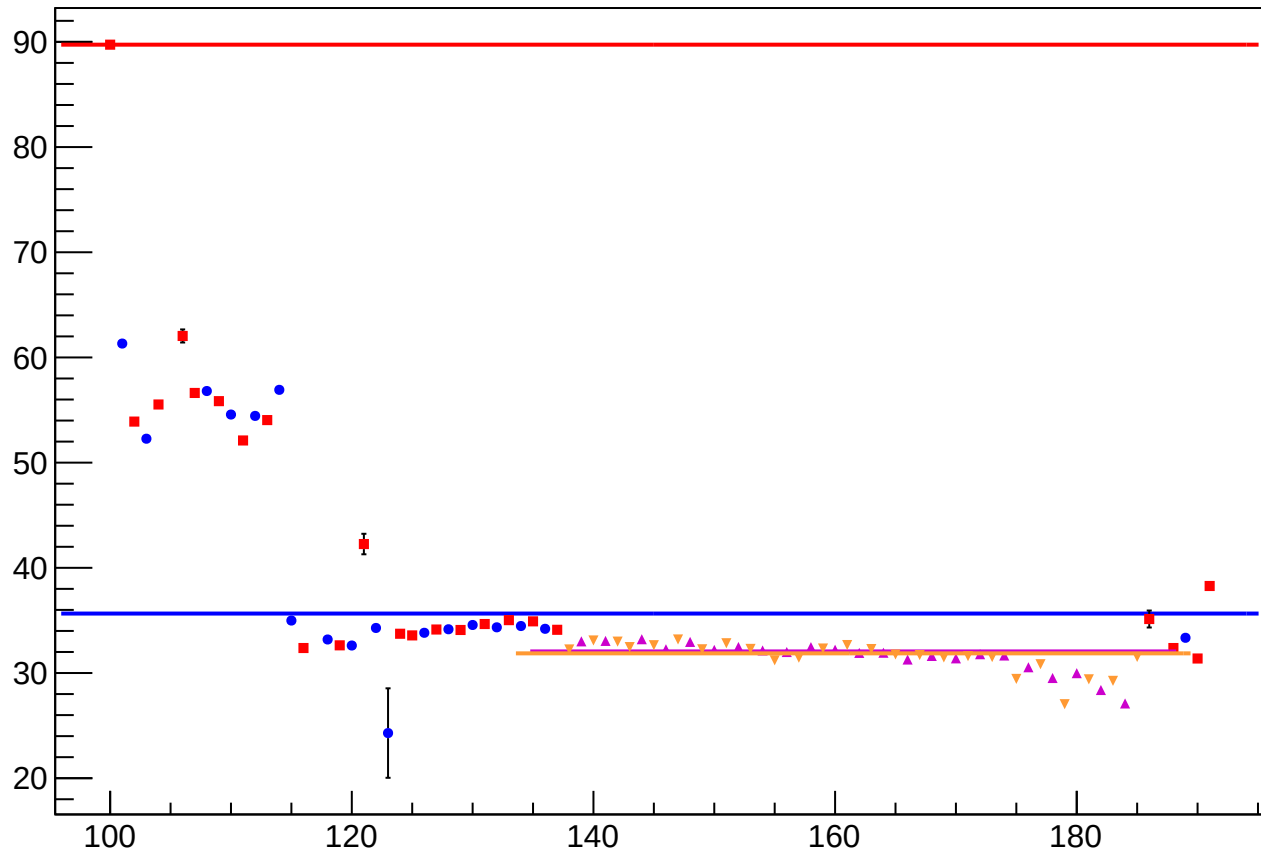
Right: 0.193+/-0.000 χ^2/NDF : 21335.0/40

In: 0.193+/-0.000 χ^2/NDF : 91318.4/40

Out: 0.316+/-0.000 χ^2/NDF : 10581.8/47

All: 0.193+/-0.000 χ^2/NDF : 168695.2/88

dit_sam5_4aY_slope vs Slug, Sign Corrected



Right In: 35.653 ± 0.011 $\chi^2/\text{NDF}: 218859.9/17$

Left Out: 31.869 ± 0.003 $\chi^2/\text{NDF}: 61955.3/24$

Right Out: 89.735 ± 0.000 $\chi^2/\text{NDF}: 25998923.7/22$

Left In: 32.053 ± 0.003 $\chi^2/\text{NDF}: 32470.5/22$

Left: 31.953 ± 0.002 $\chi^2/\text{NDF}: 96020.3/47$

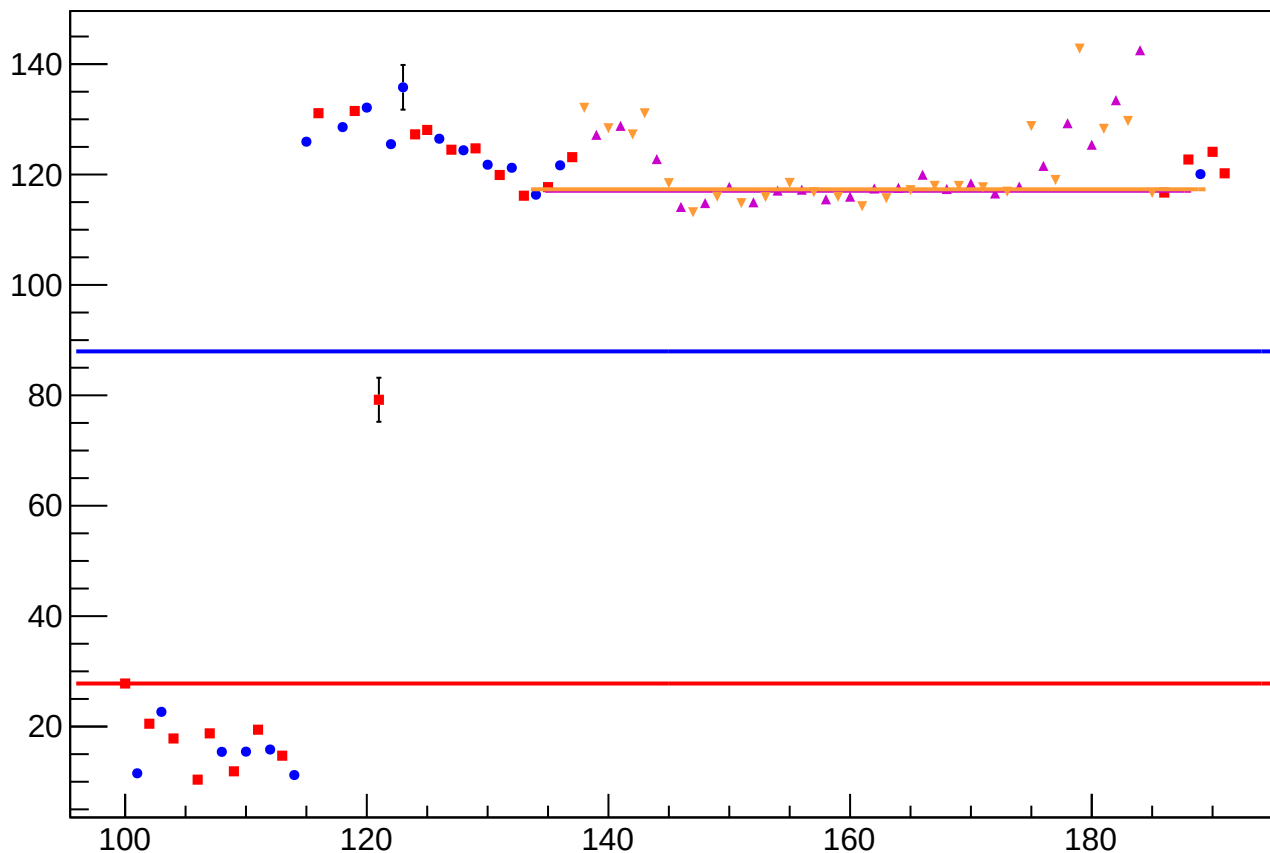
Right: 89.735 ± 0.000 $\chi^2/\text{NDF}: 48965045.5/40$

In: 32.353 ± 0.003 $\chi^2/\text{NDF}: 343721.3/40$

Out: 89.735 ± 0.000 $\chi^2/\text{NDF}: 370961231.5/47$

All: 89.735 ± 0.000 $\chi^2/\text{NDF}: 679240505.5/88$

dit_sam5_4eY_slope vs Slug, Sign Corrected



Right In: 87.960 $\pm$ 0.031 χ^2 /NDF: 2456722.3/17

Left Out: 117.323 $\pm$ 0.008 χ^2 /NDF:172684.3/24

Right Out: 27.798 $\pm$ 0.000 χ^2 /NDF: 9733623.5/22

Left In: 117.061 $\pm$ 0.009 χ^2 /NDF:62905.3/22

Left: 117.207 $\pm$ 0.006 χ^2 /NDF: 236083.4/47

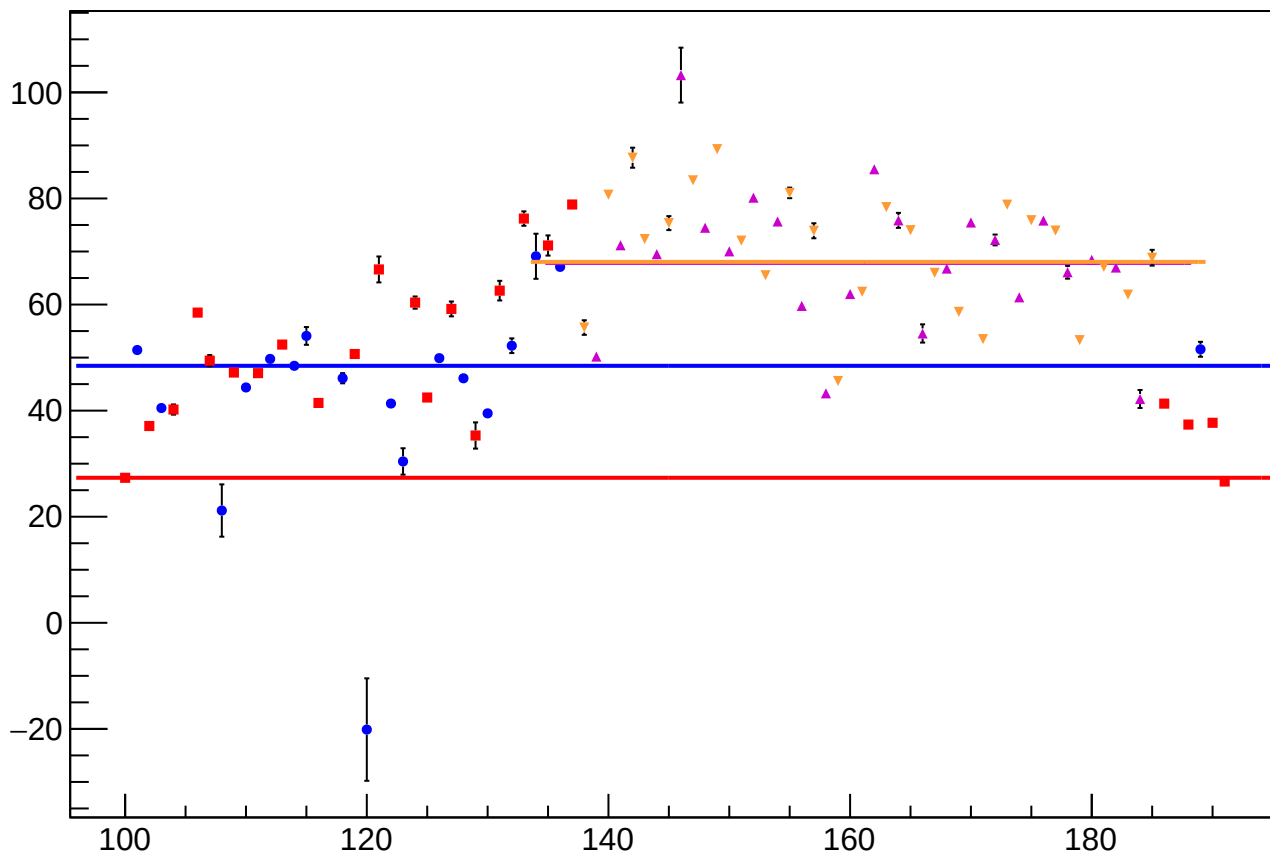
Right: 27.798 $\pm$ 0.000 χ^2 /NDF: 15882948.5/40

In: 114.925 $\pm$ 0.008 χ^2 /NDF:3320241.0/40

Out: 27.798 $\pm$ 0.000 χ^2 /NDF:140158496.2/47

All: 27.798 $\pm$ 0.000 χ^2 /NDF: 249015621.5/88

dit_sam6_4aX_slope vs Slug, Sign Corrected



Right In: 48.450 ± 0.000 $\chi^2/\text{NDF}: 2756.3/17$

Left Out: 68.044 ± 0.132 $\chi^2/\text{NDF}: 6670.6/24$

Right Out: 27.342 ± 0.000 $\chi^2/\text{NDF}: 27586.1/22$

Left In: 67.852 ± 0.126 $\chi^2/\text{NDF}: 5519.9/22$

Left: 67.943 ± 0.091 $\chi^2/\text{NDF}: 12191.7/47$

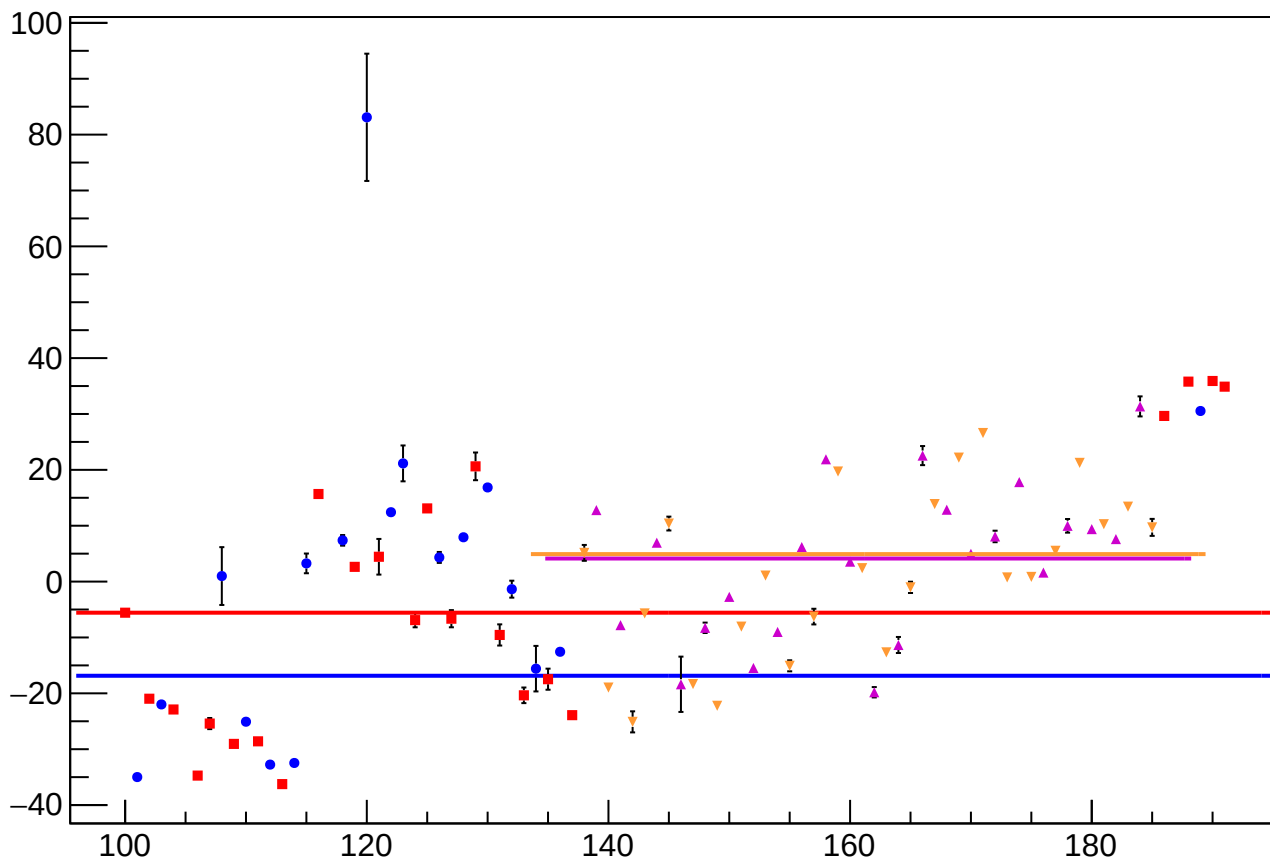
Right: 28.365 ± 0.000 $\chi^2/\text{NDF}: 1026290104888328$

In: 48.450 ± 0.000 $\chi^2/\text{NDF}: 32131.7/40$

Out: 27.342 ± 0.000 $\chi^2/\text{NDF}: 128974.6/47$

All: 28.365 ± 0.000 $\chi^2/\text{NDF}: 1026290104888$

dit_sam6_4eX_slope vs Slug, Sign Corrected



Right In: -16.855 ± 0.145 χ^2/NDF : 16119.4/17

Left Out: 4.920 ± 0.132 χ^2/NDF : 10378.5/24

Right Out: -5.568 ± 0.000 χ^2/NDF : 63140.6/22

Left In: 4.129 ± 0.127 χ^2/NDF : 6161.4/22

Left: 4.508 ± 0.092 χ^2/NDF : 16558.6/47

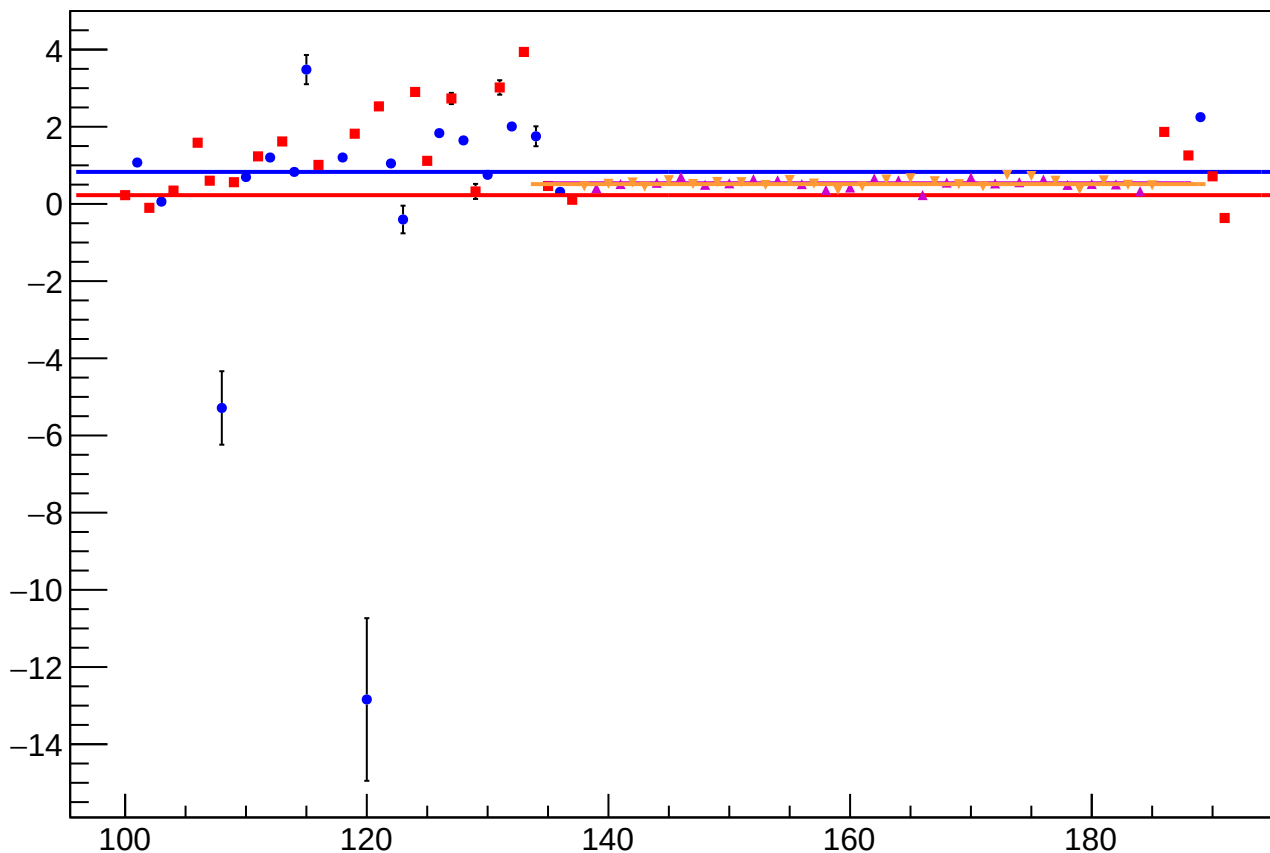
Right: -5.568 ± 0.000 χ^2/NDF : 85279.5/40

In: -4.940 ± 0.096 χ^2/NDF : 34094.4/40

Out: -5.568 ± 0.000 χ^2/NDF : 79811.9/47

All: -5.568 ± 0.000 χ^2/NDF : 113949.5/88

dit_sam6_11X12X_slope vs Slug, Sign Corrected



Right In: 0.830+/-0.000 χ^2/NDF : 15202.1/17

Left Out: 0.513+/-0.001 χ^2/NDF : 15206.1/24

Right Out: 0.227+/-0.000 χ^2/NDF : 13024.0/22

Left In: 0.536+/-0.001 χ^2/NDF : 11764.8/22

Left: 0.526+/-0.001 χ^2/NDF : 27282.9/47

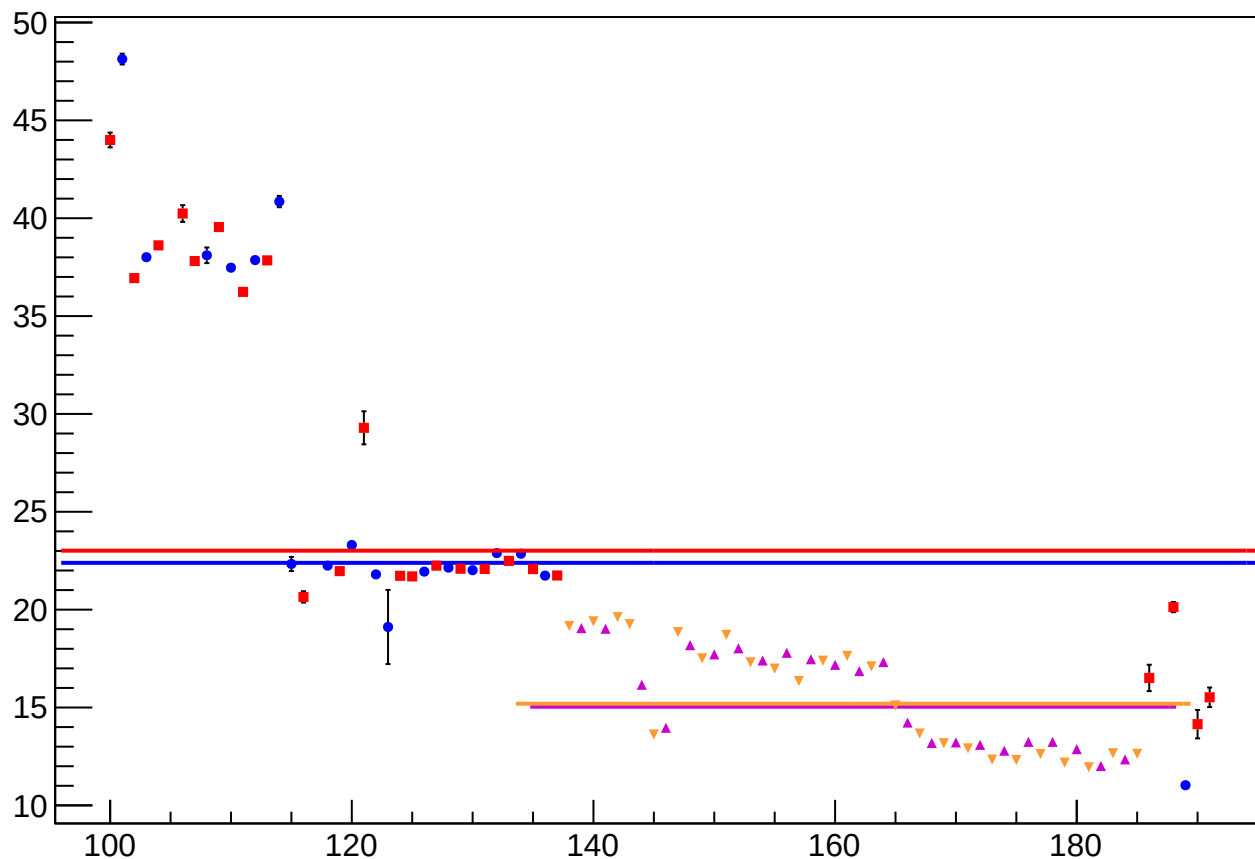
Right: 0.289+/-0.000 χ^2/NDF : 29066082561457147

In: 0.830+/-0.000 χ^2/NDF : 142206.5/40

Out: 0.227+/-0.000 χ^2/NDF : 116498.9/47

All: 0.289+/-0.000 χ^2/NDF : 29066082561457

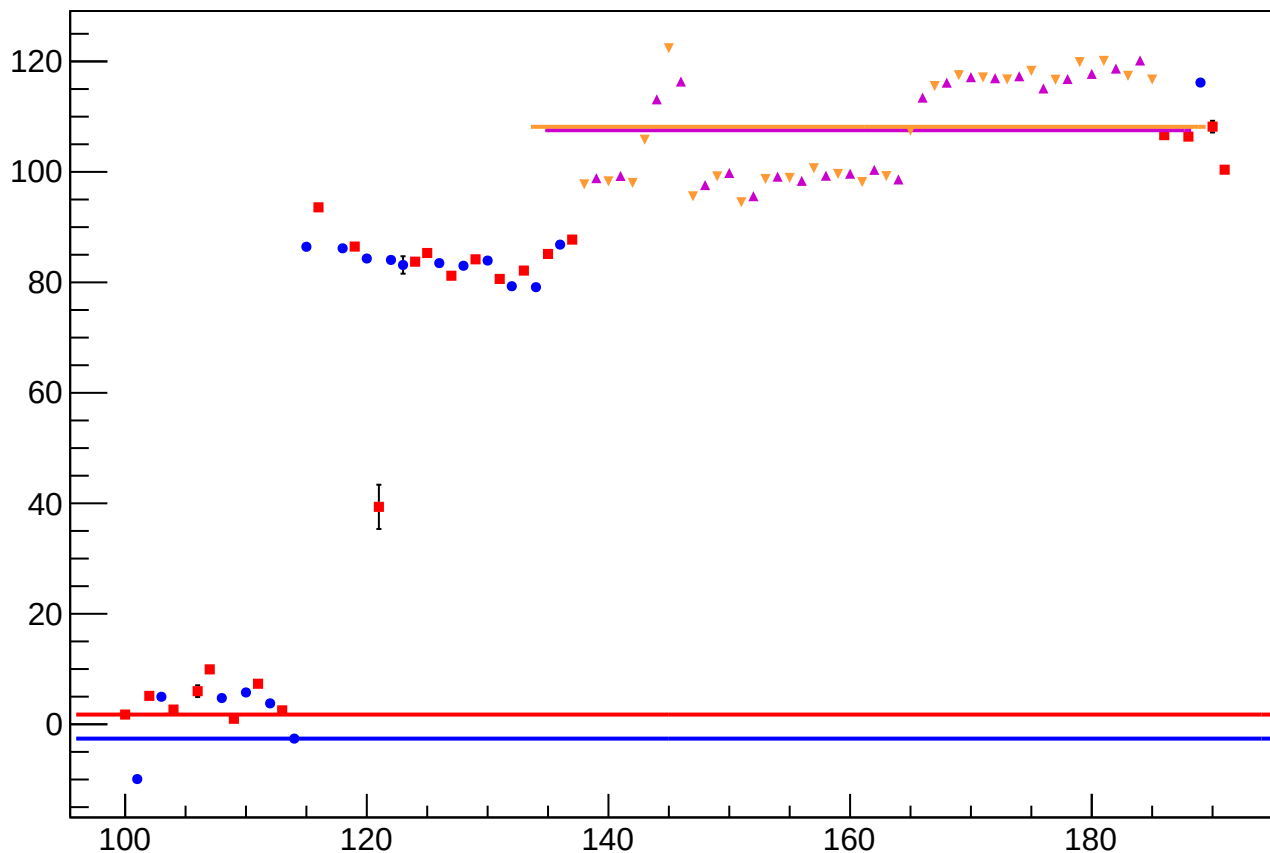
dit_sam6_4aY_slope vs Slug, Sign Corrected



Right In: 22.392 ± 0.009 $\chi^2/\text{NDF}: 125516.7/17$
 Left Out: 15.194 ± 0.004 $\chi^2/\text{NDF}: 417095.1/24$
 Right Out: 23.014 ± 0.009 $\chi^2/\text{NDF}: 166429.2/22$
 Left In: 15.044 ± 0.005 $\chi^2/\text{NDF}: 285851.6/22$

Left: 15.125 ± 0.003 $\chi^2/\text{NDF}: 703514.0/47$
 Right: 22.710 ± 0.006 $\chi^2/\text{NDF}: 294259.6/40$
 In: 16.511 ± 0.004 $\chi^2/\text{NDF}: 916524.1/40$
 Out: 16.620 ± 0.004 $\chi^2/\text{NDF}: 1195760.3/47$
 All: 16.569 ± 0.003 $\chi^2/\text{NDF}: 2112655.4/88$

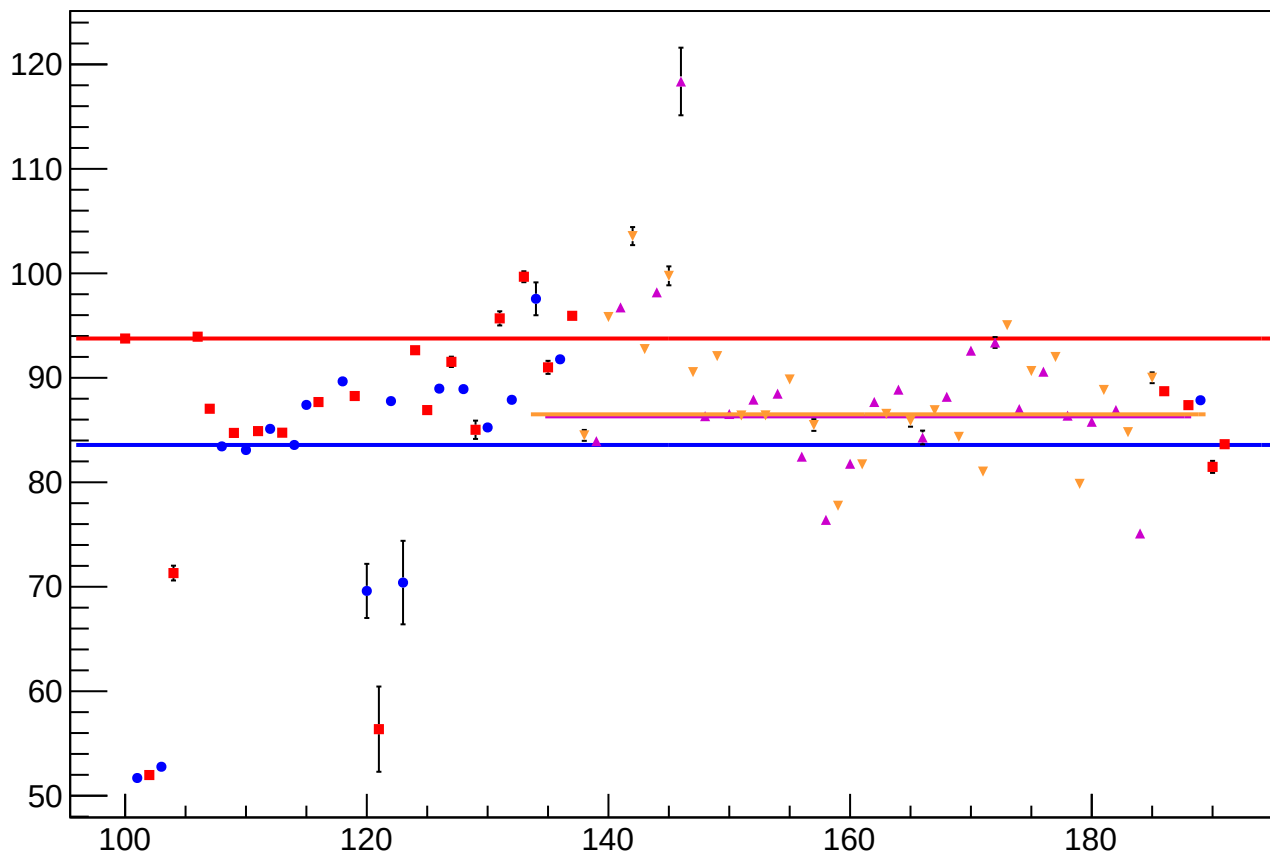
dit_sam6_4eY_slope vs Slug, Sign Corrected



Right In: -2.596 ± 0.000 $\chi^2/\text{NDF}: 7735003.9/17$
 Left Out: 108.162 ± 0.009 $\chi^2/\text{NDF}: 1076822.4/24$
 Right Out: 1.758 ± 0.000 $\chi^2/\text{NDF}: 4467800.0/22$
 Left In: 107.543 ± 0.009 $\chi^2/\text{NDF}: 988940.0/22$

Left: 107.853 ± 0.007 $\chi^2/\text{NDF}: 2067974.4/47$
 Right: -1.059 ± 0.000 $\chi^2/\text{NDF}: 3731791751577379$
 In: -2.596 ± 0.000 $\chi^2/\text{NDF}: 148291000.0/40$
 Out: 1.758 ± 0.000 $\chi^2/\text{NDF}: 136333363.8/47$
 All: -1.059 ± 0.000 $\chi^2/\text{NDF}: 3731791751577$

dit_sam7_4aX_slope vs Slug, Sign Corrected



Right In: 83.573+/-0.000 χ^2/NDF : 49679.0/17

Left Out: 86.505+/-0.060 χ^2/NDF : 8553.0/24

Right Out: 93.762+/-0.000 χ^2/NDF : 86140.9/22

Left In: 86.310+/-0.051 χ^2/NDF : 8666.5/22

Left: 86.393+/-0.039 χ^2/NDF : 17225.5/47

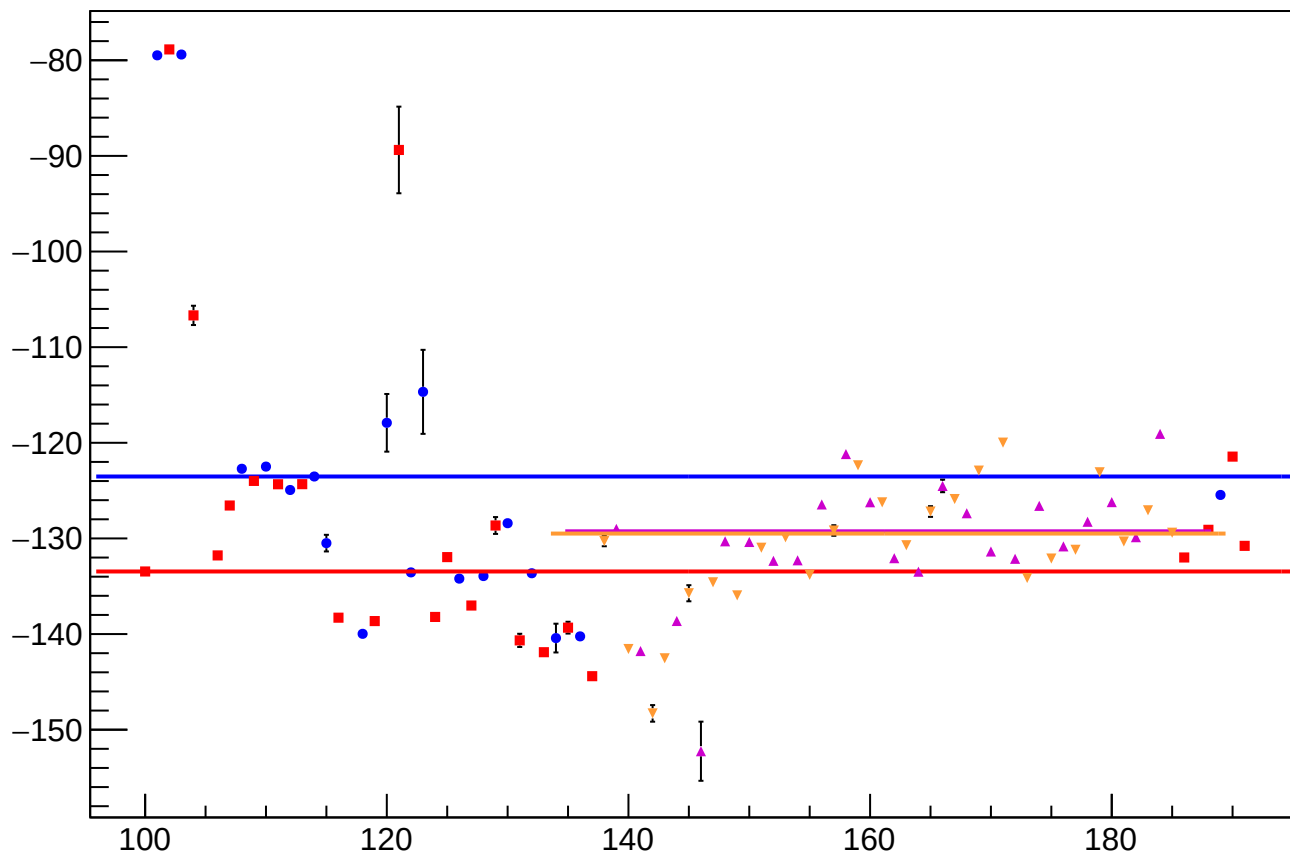
Right: 87.169+/-0.000 χ^2/NDF : 1995684404141260

In: 83.573+/-0.000 χ^2/NDF : 61177.6/40

Out: 93.762+/-0.000 χ^2/NDF : 109363.4/47

All: 87.169+/-0.000 χ^2/NDF : 1995684404141

dit_sam7_4eX_slope vs Slug, Sign Corrected



Right In: -123.524+/-0.000 χ^2/NDF : 160584.3/17

Left Out: -129.492+/-0.059 χ^2/NDF :10775.3/24

Right Out: -133.456+/-0.000 χ^2/NDF : 396826.3/22

Left In: -129.256+/-0.052 χ^2/NDF :6558.2/22

Left: -129.358+/-0.039 χ^2/NDF : 17342.6/47

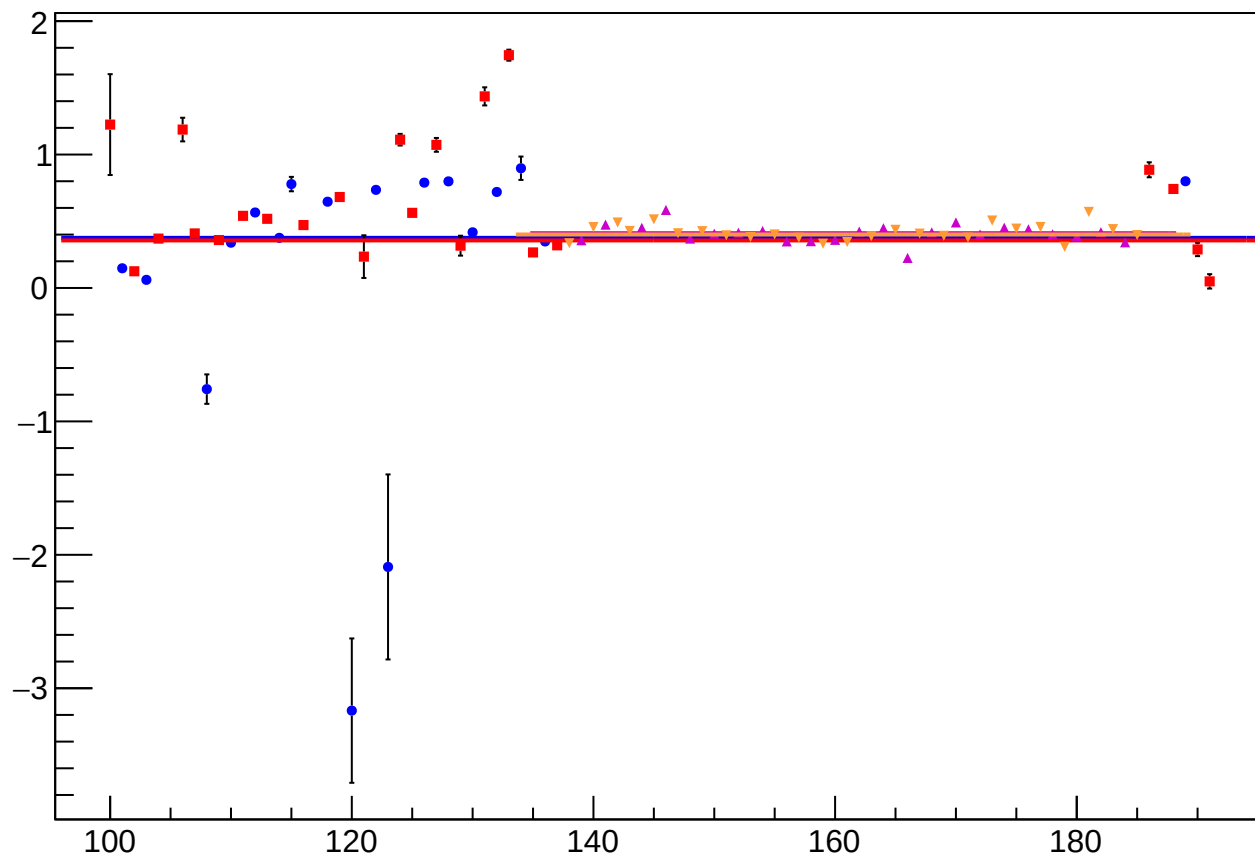
Right: -124.716+/-0.000 χ^2/NDF : 64467869901657

In: -123.524+/-0.000 χ^2/NDF :179505.4/40

Out: -133.456+/-0.000 χ^2/NDF :412083.2/47

All: -124.716+/-0.000 χ^2/NDF : 64467869901

dit_sam7_11X12X_slope vs Slug, Sign Corrected



Right In: 0.376 $\pm$ 0.000 χ^2 /NDF: 4106.0/17

Left Out: 0.401 $\pm$ 0.000 χ^2 /NDF:9030.9/24

Right Out: 0.356 $\pm$ 0.002 χ^2 /NDF: 5109.8/22

Left In: 0.410 $\pm$ 0.000 χ^2 /NDF:8478.2/22

Left: 0.406 $\pm$ 0.000 χ^2 /NDF: 17715.3/47

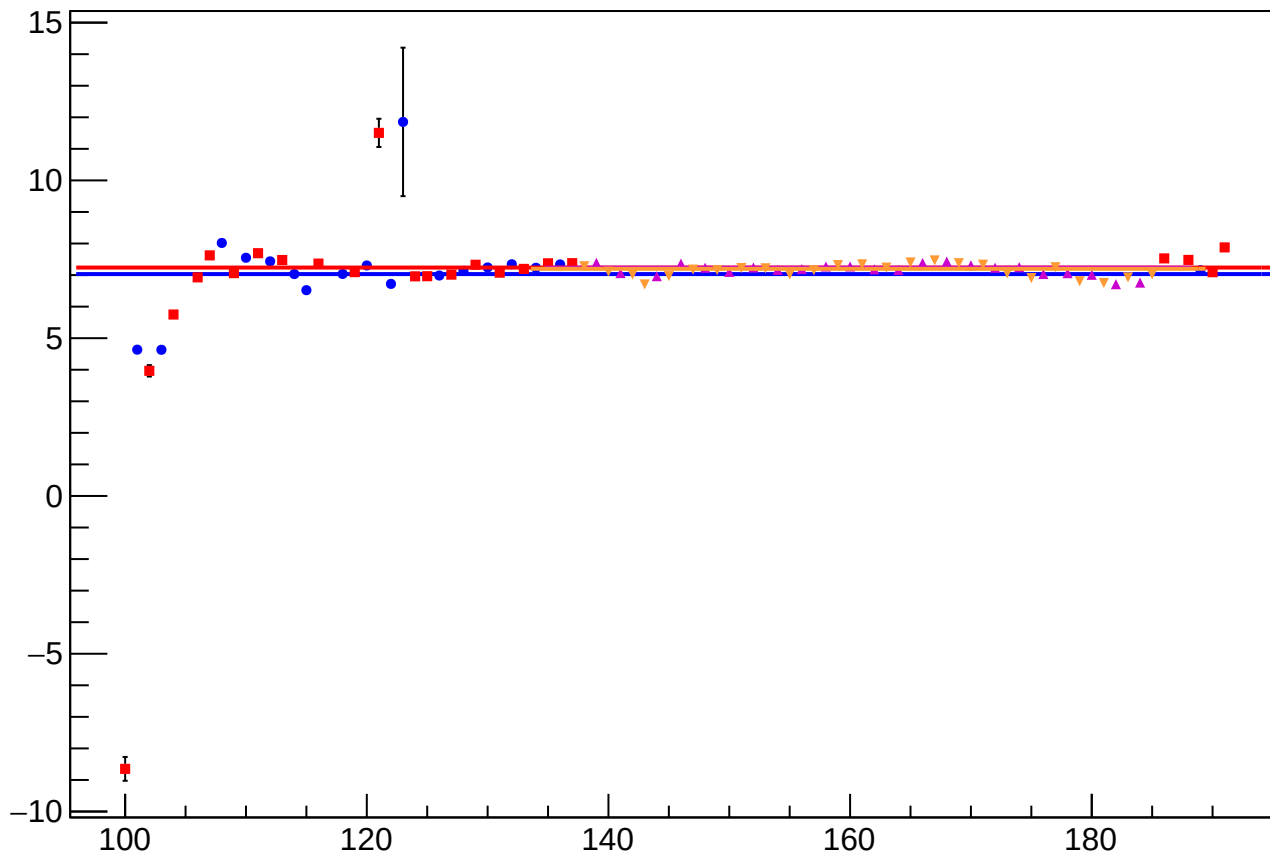
Right: 0.376 $\pm$ 0.000 χ^2 /NDF: 9381.8/40

In: 0.376 $\pm$ 0.000 χ^2 /NDF:18477.0/40

Out: 0.396 $\pm$ 0.000 χ^2 /NDF:14926.0/47

All: 0.376 $\pm$ 0.000 χ^2 /NDF: 35293.3/88

dit_sam7_4aY_slope vs Slug, Sign Corrected



Right In: 7.032 $\pm$ 0.000 χ^2 /NDF: 19773.7/17

Left Out: 7.199 $\pm$ 0.001 χ^2 /NDF: 37453.7/24

Right Out: 7.238 $\pm$ 0.002 χ^2 /NDF: 10406.2/22

Left In: 7.233 $\pm$ 0.001 χ^2 /NDF: 23085.0/22

Left: 7.217 $\pm$ 0.001 χ^2 /NDF: 61326.3/47

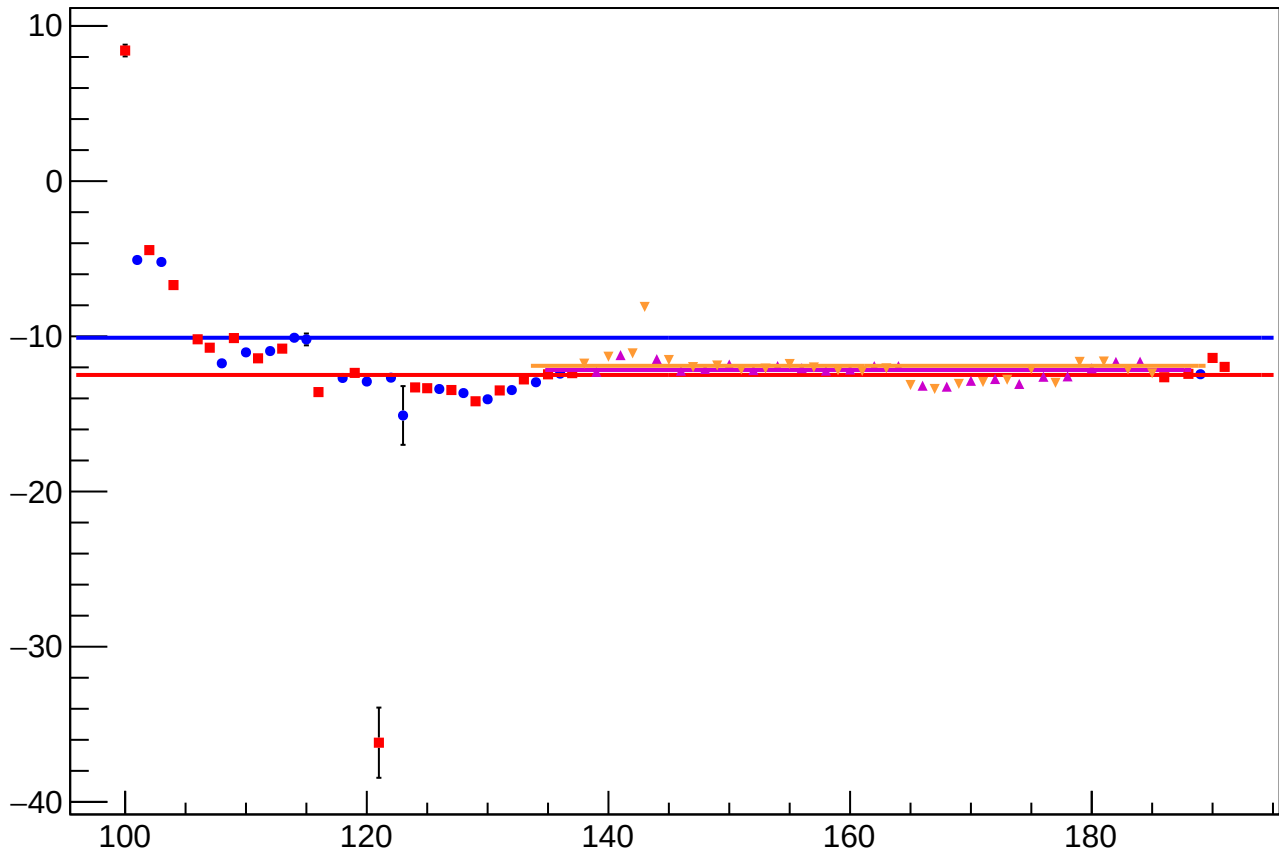
Right: 7.032 $\pm$ 0.000 χ^2 /NDF: 37887.6/40

In: 7.032 $\pm$ 0.000 χ^2 /NDF: 101619.9/40

Out: 7.204 $\pm$ 0.001 χ^2 /NDF: 48106.6/47

All: 7.032 $\pm$ 0.000 χ^2 /NDF: 191538.7/88

dit_sam7_4eY_slope vs Slug, Sign Corrected



Right In: -10.092 ± 0.000 $\chi^2/\text{NDF}: 544420.0/17$

Left Out: -11.899 ± 0.002 $\chi^2/\text{NDF}: 498866.6/24$

Right Out: -12.489 ± 0.004 $\chi^2/\text{NDF}: 104821.5/22$

Left In: -12.169 ± 0.002 $\chi^2/\text{NDF}: 49568.3/22$

Left: -12.033 ± 0.001 $\chi^2/\text{NDF}: 561016.9/47$

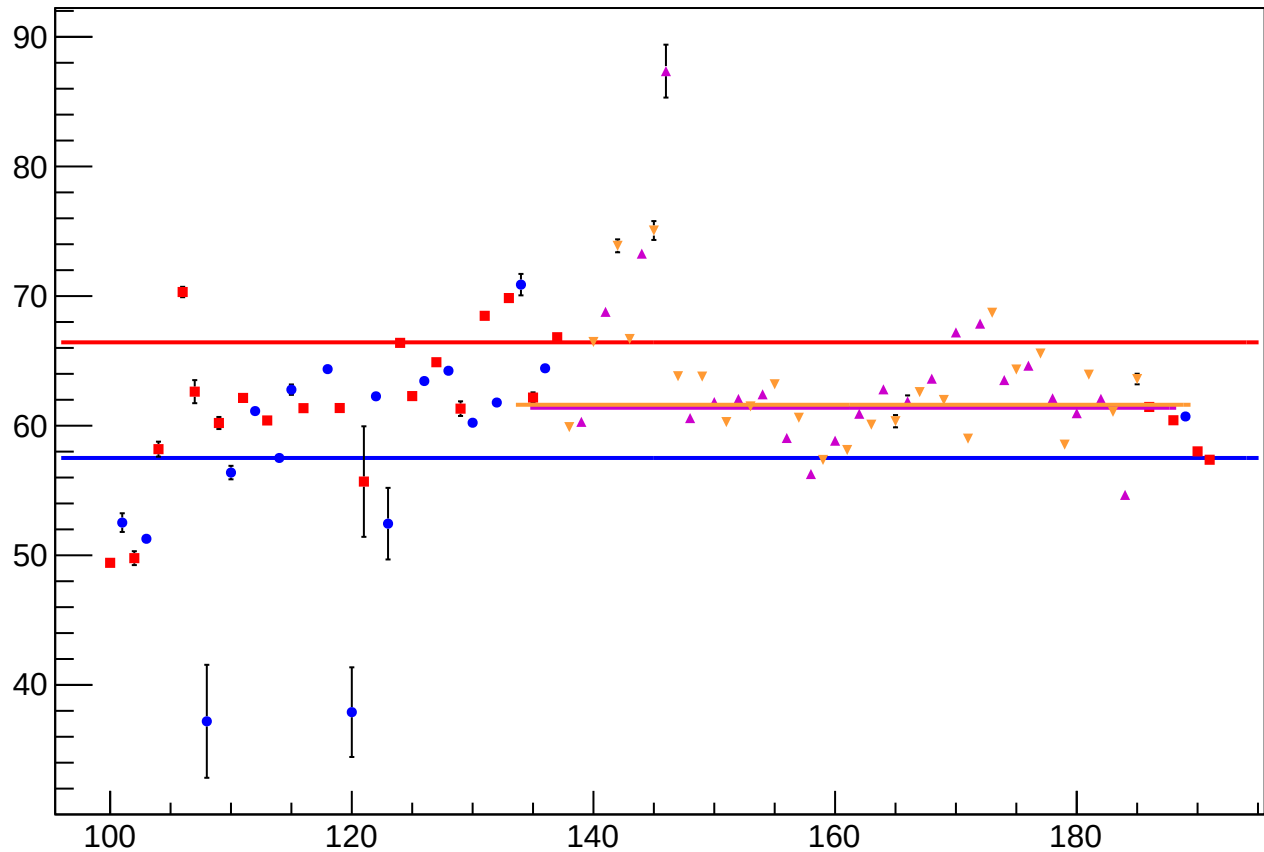
Right: -10.092 ± 0.000 $\chi^2/\text{NDF}: 1084693.9/40$

In: -10.092 ± 0.000 $\chi^2/\text{NDF}: 2076835.7/40$

Out: -12.004 ± 0.002 $\chi^2/\text{NDF}: 625311.3/47$

All: -10.092 ± 0.000 $\chi^2/\text{NDF}: 4259073.2/88$

dit_sam8_4aX_slope vs Slug, Sign Corrected



Right In: 57.510 ± 0.000 $\chi^2/\text{NDF}: 8992.4/17$

Left Out: 61.615 ± 0.039 $\chi^2/\text{NDF}: 7756.9/24$

Right Out: 66.431 ± 0.013 $\chi^2/\text{NDF}: 16785.6/22$

Left In: 61.383 ± 0.033 $\chi^2/\text{NDF}: 8900.0/22$

Left: 61.479 ± 0.025 $\chi^2/\text{NDF}: 16677.8/47$

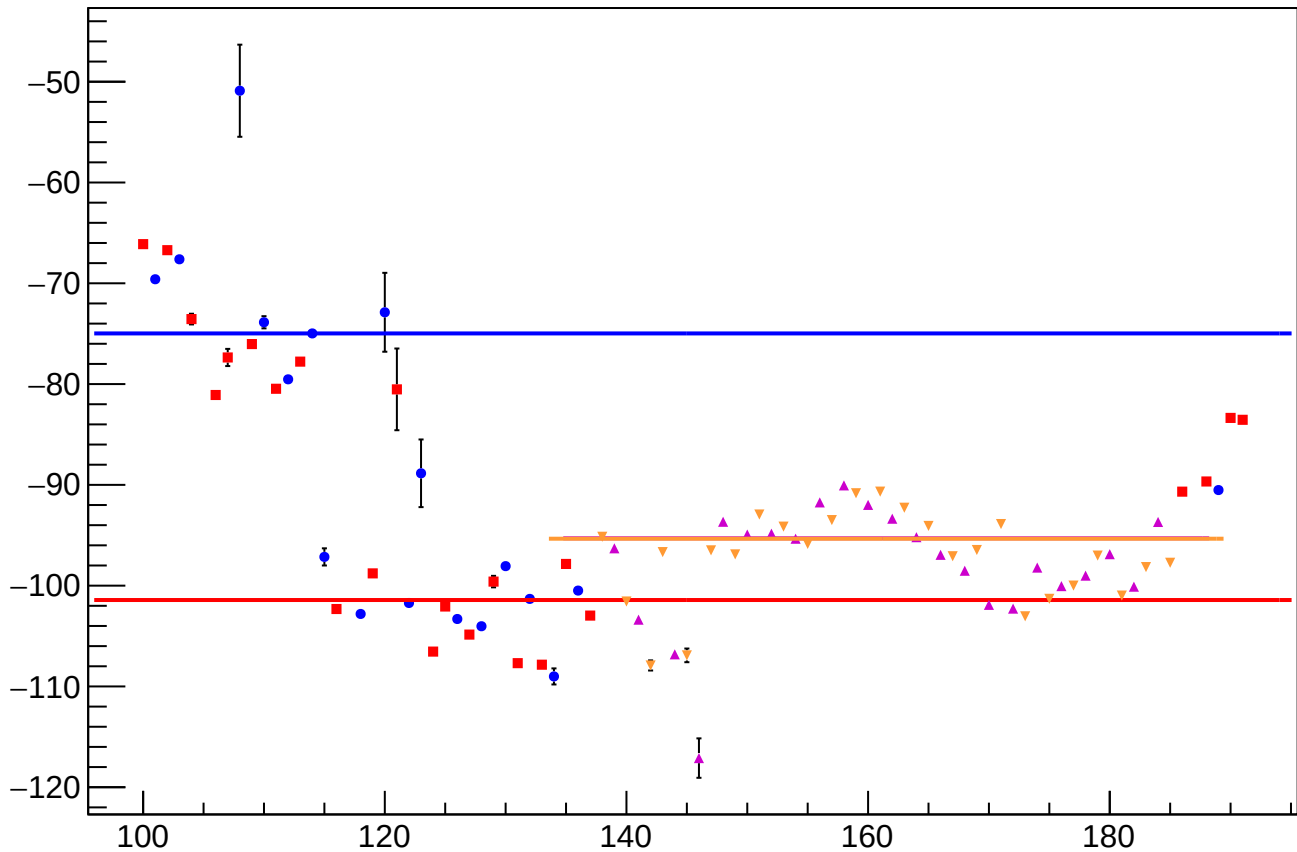
Right: 57.510 ± 0.000 $\chi^2/\text{NDF}: 506753.0/40$

In: 57.510 ± 0.000 $\chi^2/\text{NDF}: 32045.0/40$

Out: 65.956 ± 0.012 $\chi^2/\text{NDF}: 38364.7/47$

All: 57.510 ± 0.000 $\chi^2/\text{NDF}: 548703.5/88$

dit_sam8_4eX_slope vs Slug, Sign Corrected



Right In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 142230.4/17$

Left Out: -95.342 ± 0.039 $\chi^2/\text{NDF}: 9387.4/24$

Right Out: -101.426 ± 0.017 $\chi^2/\text{NDF}: 94860.6/22$

Left In: -95.301 ± 0.033 $\chi^2/\text{NDF}: 11271.5/22$

Left: -95.319 ± 0.025 $\chi^2/\text{NDF}: 20659.5/47$

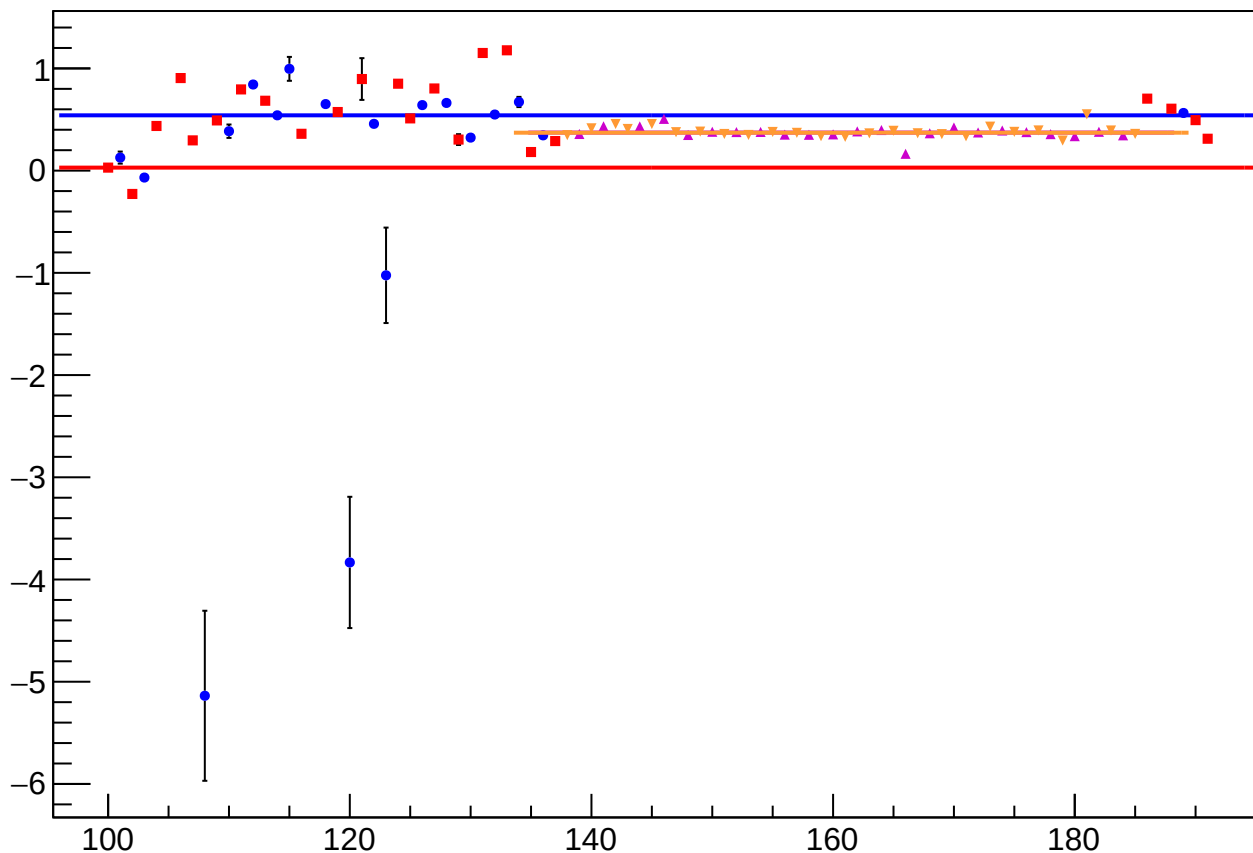
Right: -74.974 ± 0.000 $\chi^2/\text{NDF}: 2617279.0/40$

In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 528454.0/40$

Out: -100.428 ± 0.016 $\chi^2/\text{NDF}: 124900.2/47$

All: -74.974 ± 0.000 $\chi^2/\text{NDF}: 3289851.3/88$

dit_sam8_11X12X_slope vs Slug, Sign Corrected



Right In: 0.541+/-0.000 χ^2/NDF : 29181.6/17

Left Out: 0.371+/-0.000 χ^2/NDF : 6797.7/24

Right Out: 0.030+/-0.000 χ^2/NDF : 124539.7/22

Left In: 0.372+/-0.000 χ^2/NDF : 6020.6/22

Left: 0.372+/-0.000 χ^2/NDF : 12824.6/47

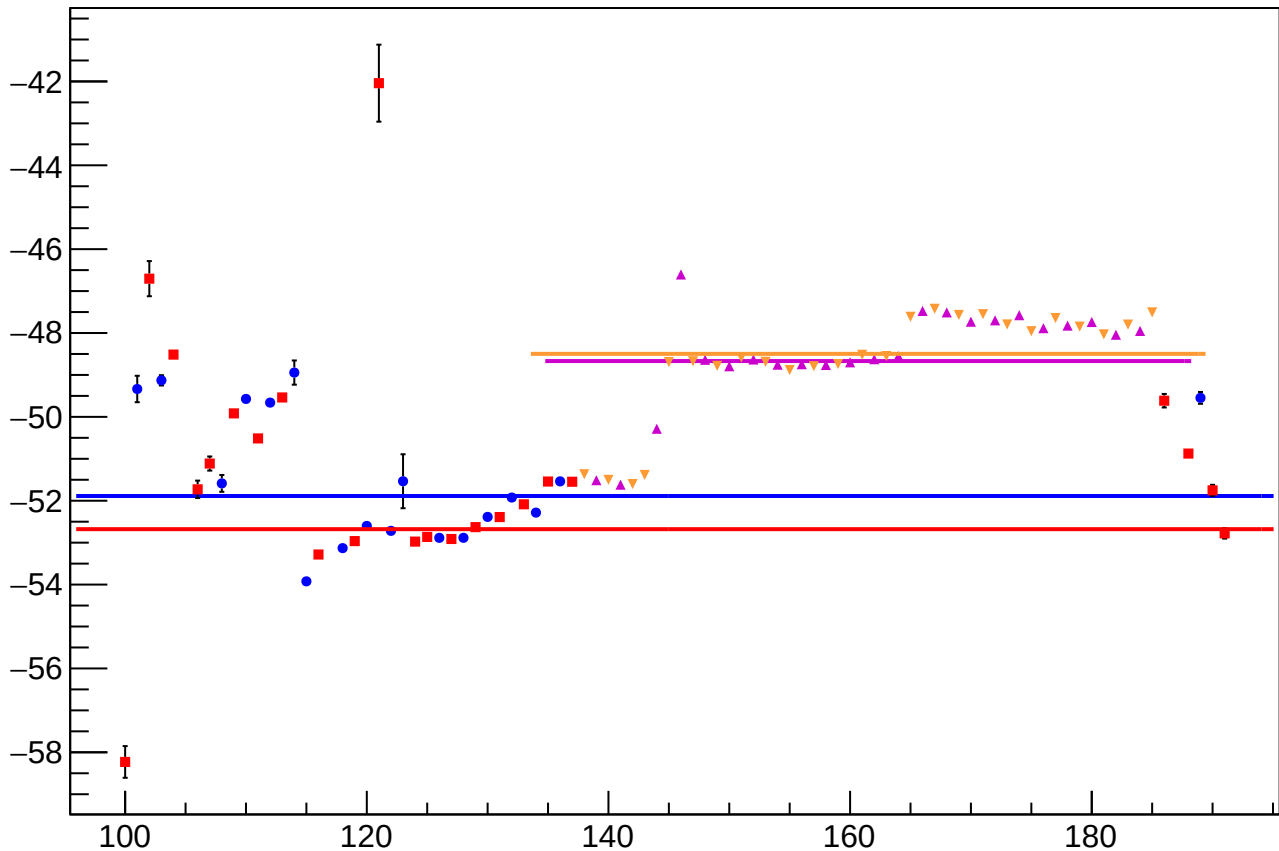
Right: 0.030+/-0.000 χ^2/NDF : 23314297700963382

In: 0.541+/-0.000 χ^2/NDF : 334318.1/40

Out: 0.030+/-0.000 χ^2/NDF : 985129.2/47

All: 0.030+/-0.000 χ^2/NDF : 23314297700963382

dit_sam8_4aY_slope vs Slug, Sign Corrected



Left: -48.594 ± 0.001 $\chi^2/\text{NDF}: 1523797.8/47$

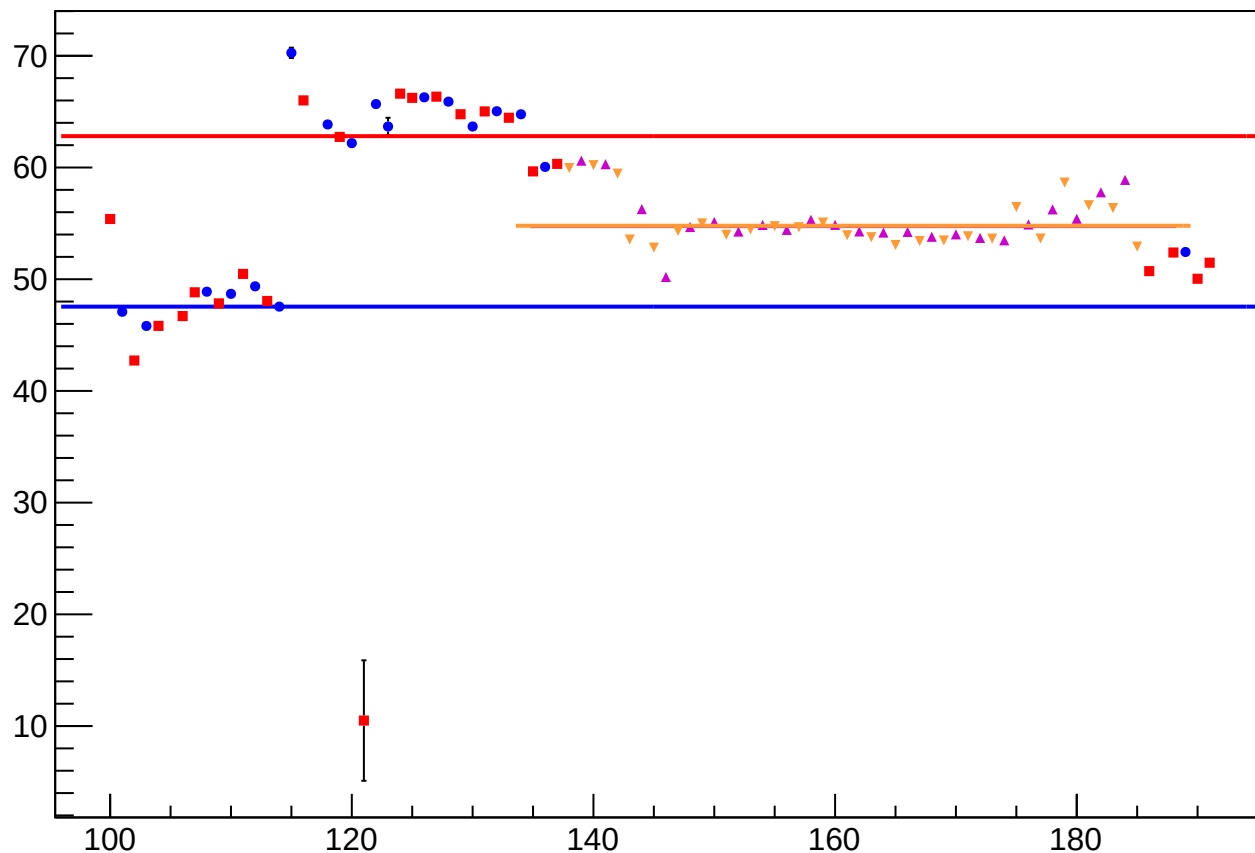
Right: -52.229 ± 0.002 $\chi^2/\text{NDF}: 190107.8/40$

In: -49.152 ± 0.001 $\chi^2/\text{NDF}: 2661226.7/40$

Out: -49.116 ± 0.001 $\chi^2/\text{NDF}: 3039044.9/47$

All: -49.136 ± 0.001 $\chi^2/\text{NDF}: 5701002.7/88$

dit_sam8_4eY_slope vs Slug, Sign Corrected



Right In: 47.545 $\pm$ 0.000 χ^2 /NDF: 3605032.9/17

Left Out: 54.787 $\pm$ 0.003 χ^2 /NDF:301226.3/24

Right Out: 62.808 $\pm$ 0.007 χ^2 /NDF: 390670.7/22

Left In: 54.755 $\pm$ 0.003 χ^2 /NDF:100763.3/22

Left: 54.769 $\pm$ 0.002 χ^2 /NDF: 402054.6/47

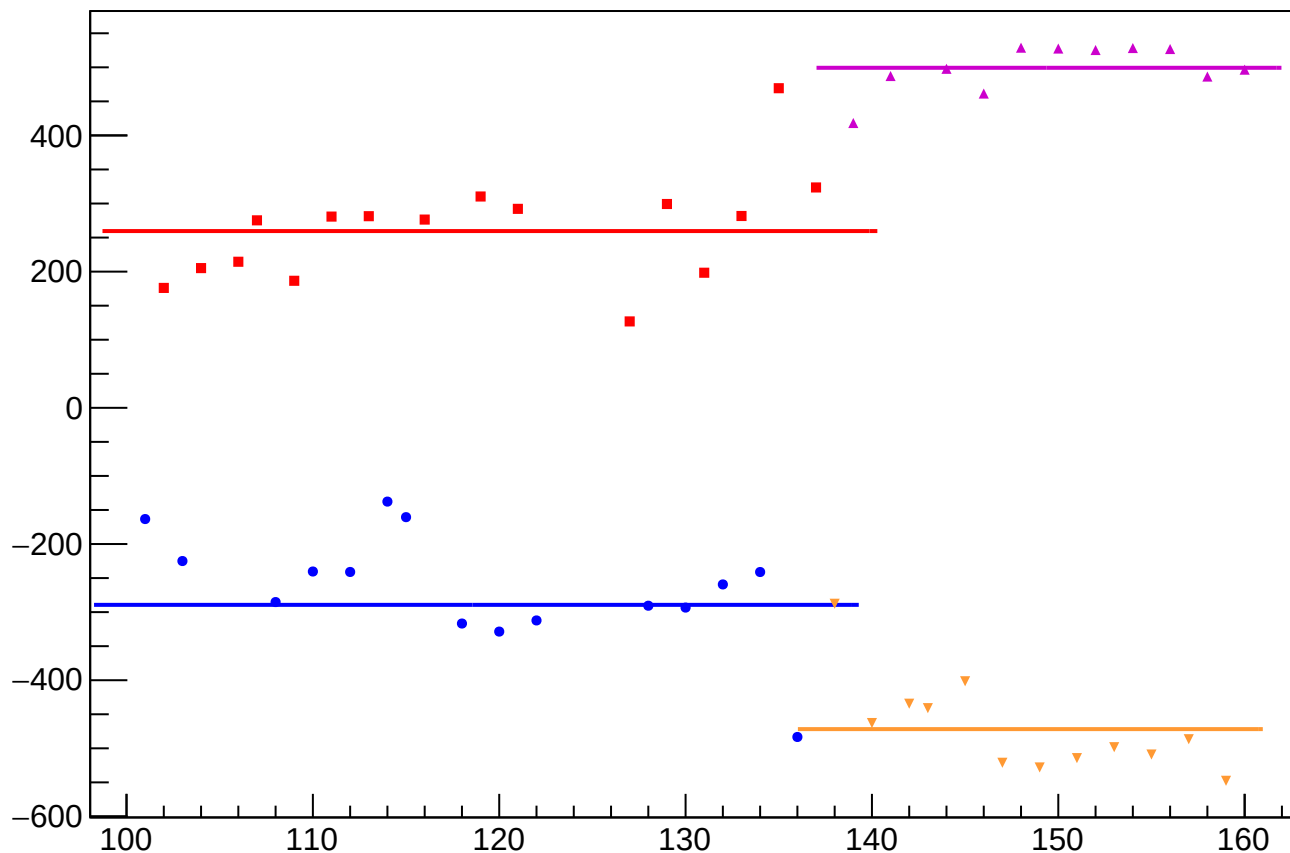
Right: 47.545 $\pm$ 0.000 χ^2 /NDF: 8278282.9/40

In: 47.545 $\pm$ 0.000 χ^2 /NDF:11360592.4/40

Out: 55.890 $\pm$ 0.003 χ^2 /NDF:1711989.5/47

All: 47.545 $\pm$ 0.000 χ^2 /NDF: 22382693.2/88

dit_4aX_coil1_mean vs Slug, Sign Corrected



Right In: -289.322+/-0.000

Left Out: -471.791+/-0.000

Right Out: 259.558+/-0.000

Left In: 499.323+/-0.000

χ^2/NDF : 53696816404891478649585392183934976.0/14

χ^2/NDF : 4407577357733372304653153526381281280.0/11

χ^2/NDF : 4299886792692123970784563983770714112.0/15

χ^2/NDF : 1018789461606644410107221718465511424.0/10

Left: 16.408+/-0.000 χ^2/NDF : 4387510726187305

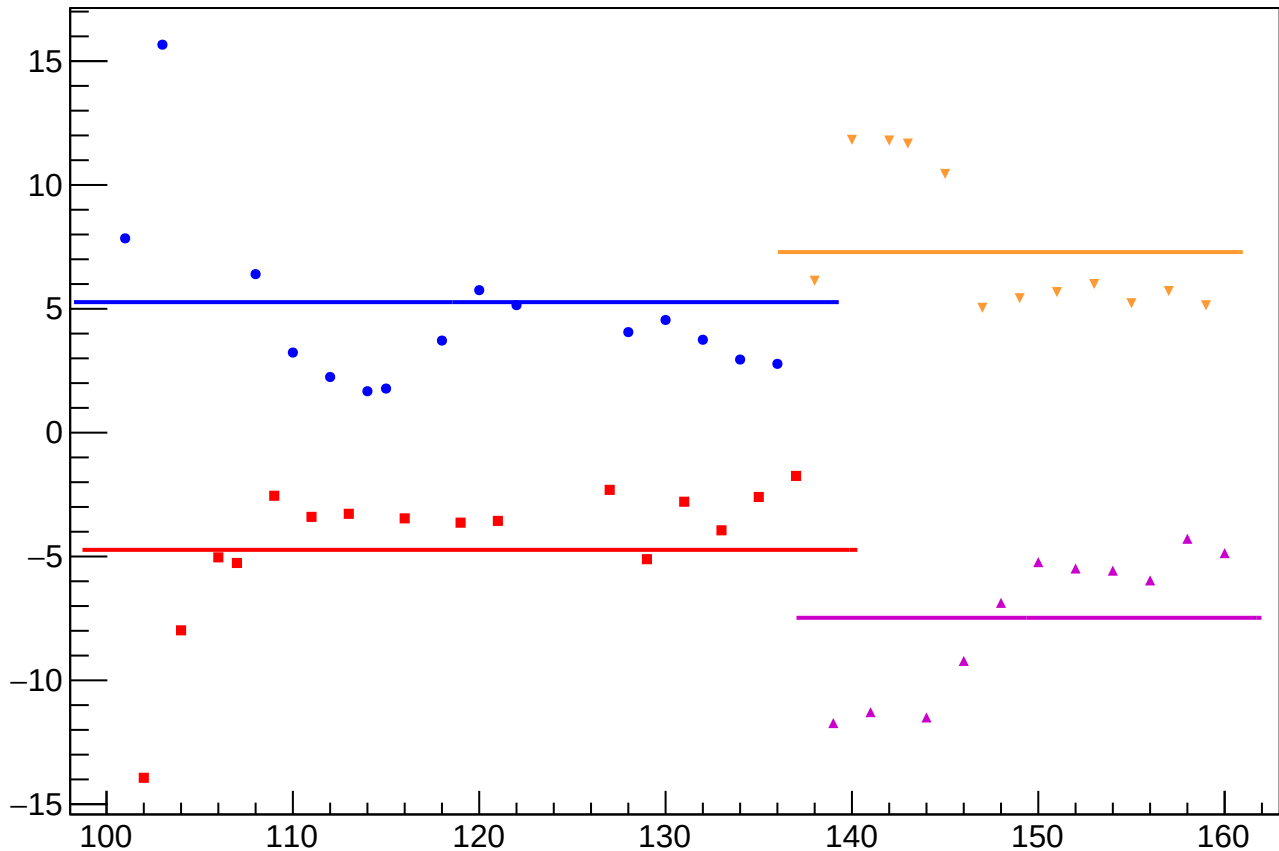
Right: -11.129+/-0.000 χ^2/NDF : 108768514077982

In: 173.938+/-0.000 χ^2/NDF : 2434992102571034

Out: -163.246+/-0.000 χ^2/NDF : 214955339400548

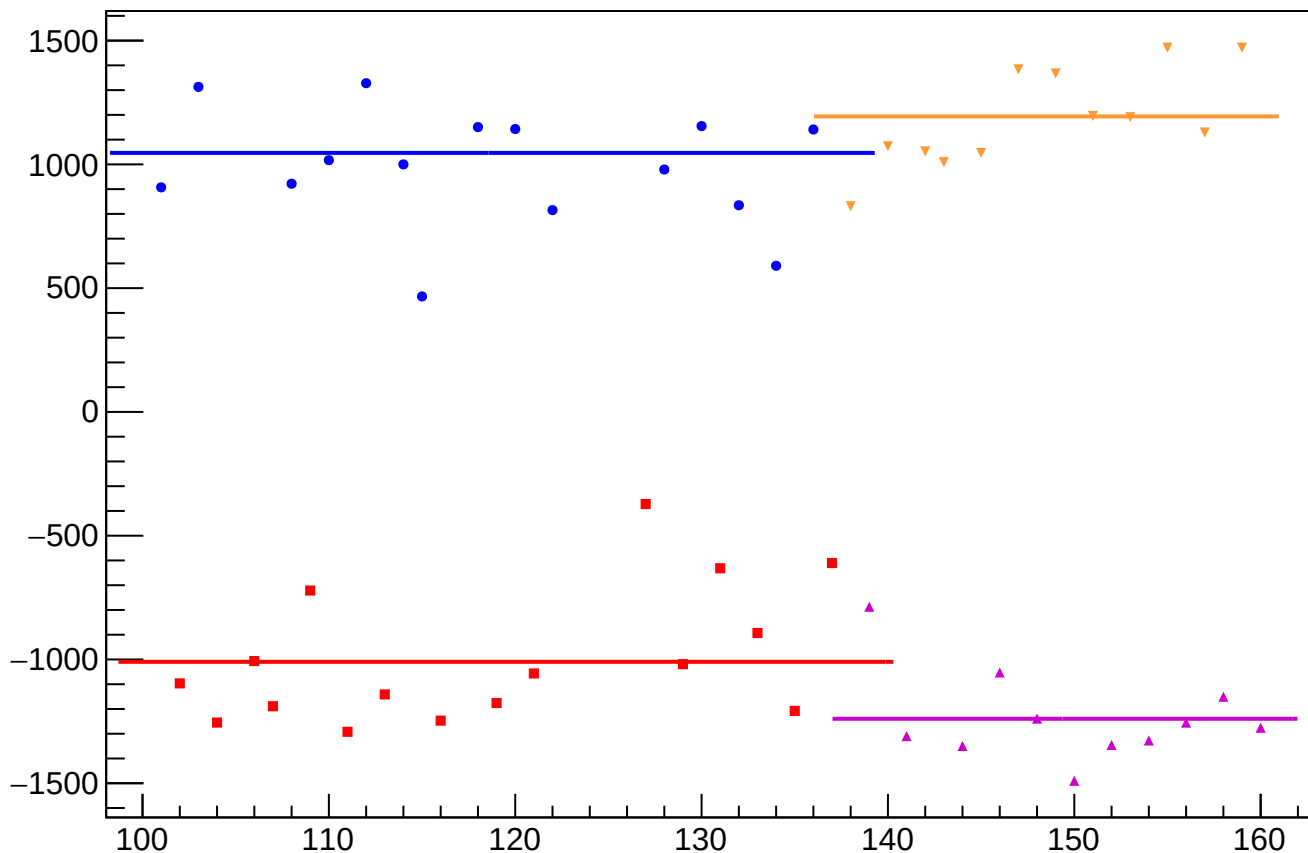
All: 4.918+/-0.000 χ^2/NDF : 54810108058073

dit_4aX_coil1_err_mean vs Slug, Sign Corrected



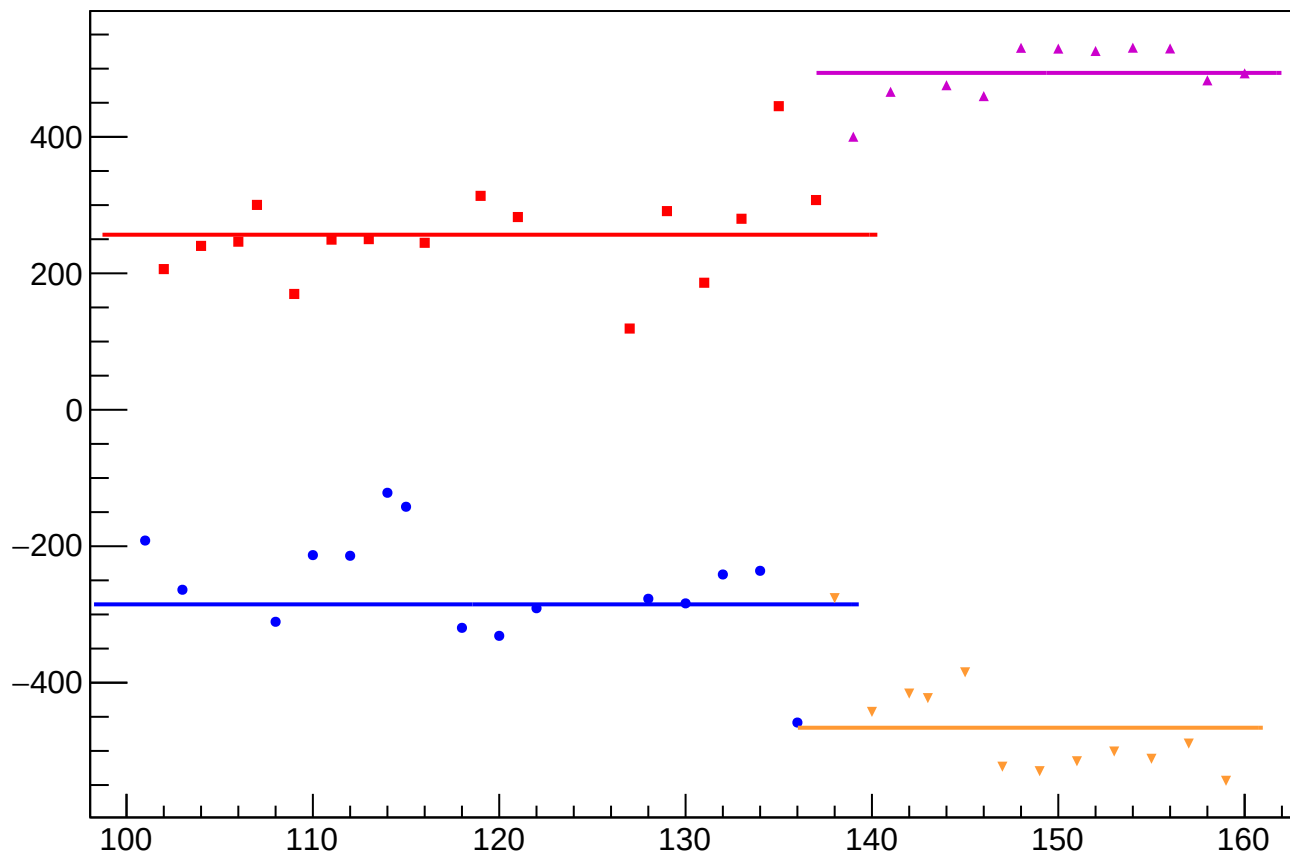
Right In: 5.270 ± 0.000 $\chi^2/\text{NDF}: 8709683292123798330550906790084608.0/14$
 Left Out: 7.291 ± 0.000 $\chi^2/\text{NDF}: 6718053515172863885836432351166464.0/11$
 Right Out: -4.732 ± 0.000 $\chi^2/\text{NDF}: 6856893072575211562802281426452480.0/15$
 Left In: -7.475 ± 0.000 $\chi^2/\text{NDF}: 7057812139399579538870244550377472.0/10$
 All: 0.007 ± 0.000 $\chi^2/\text{NDF}: 16250941727402.0/10$

dit_4aX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4eX_coil1_mean vs Slug, Sign Corrected



Right In: -285.187+/-0.000

χ^2/NDF : 4479585262853549838092521921291747328.0/14

Left Out: -466.012+/-0.000

χ^2/NDF : 5190970068830574132794472761412026368.0/11

Right Out: 256.599+/-0.000

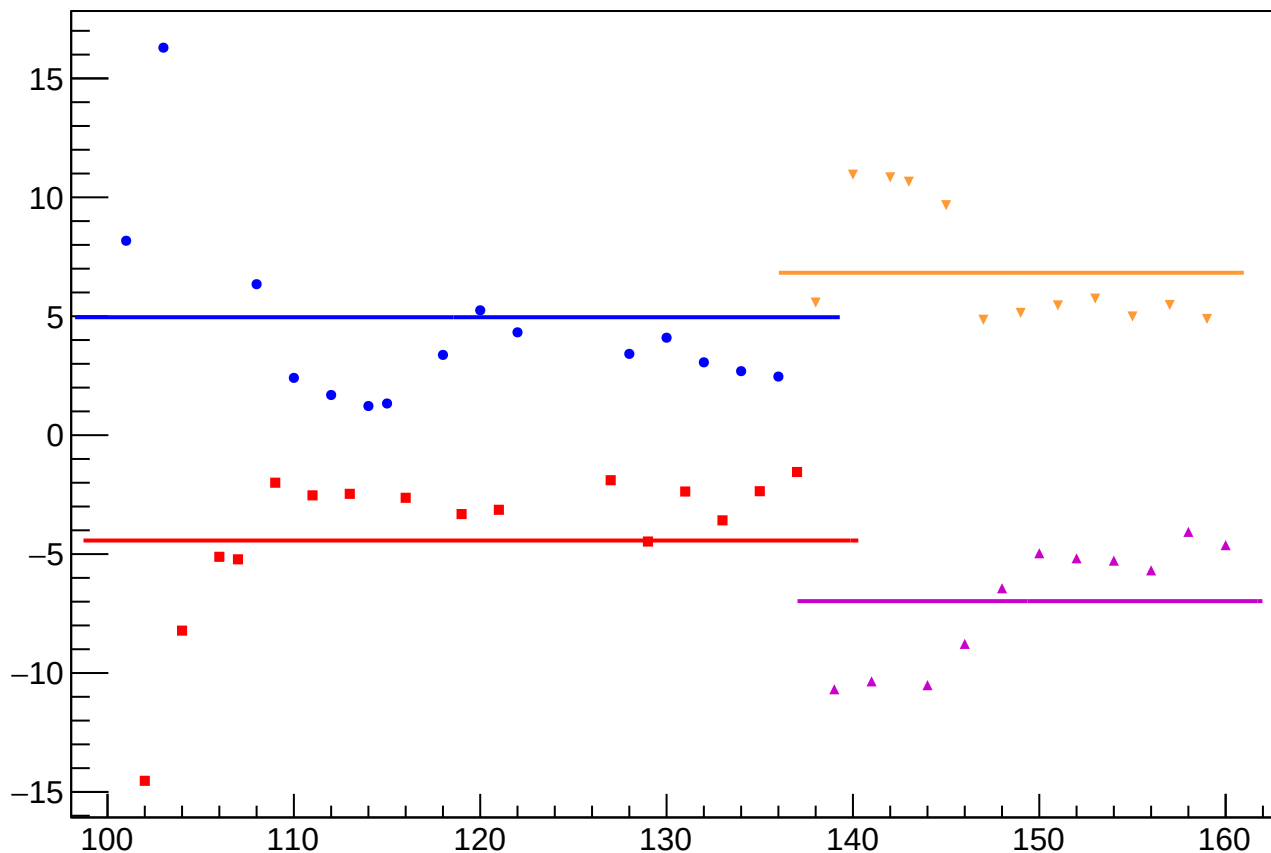
χ^2/NDF : 3648271535971039165952602563191767040.0/15

Left In: 493.780+/-0.000

χ^2/NDF : 1451794731277142230901460532226686976.0/10

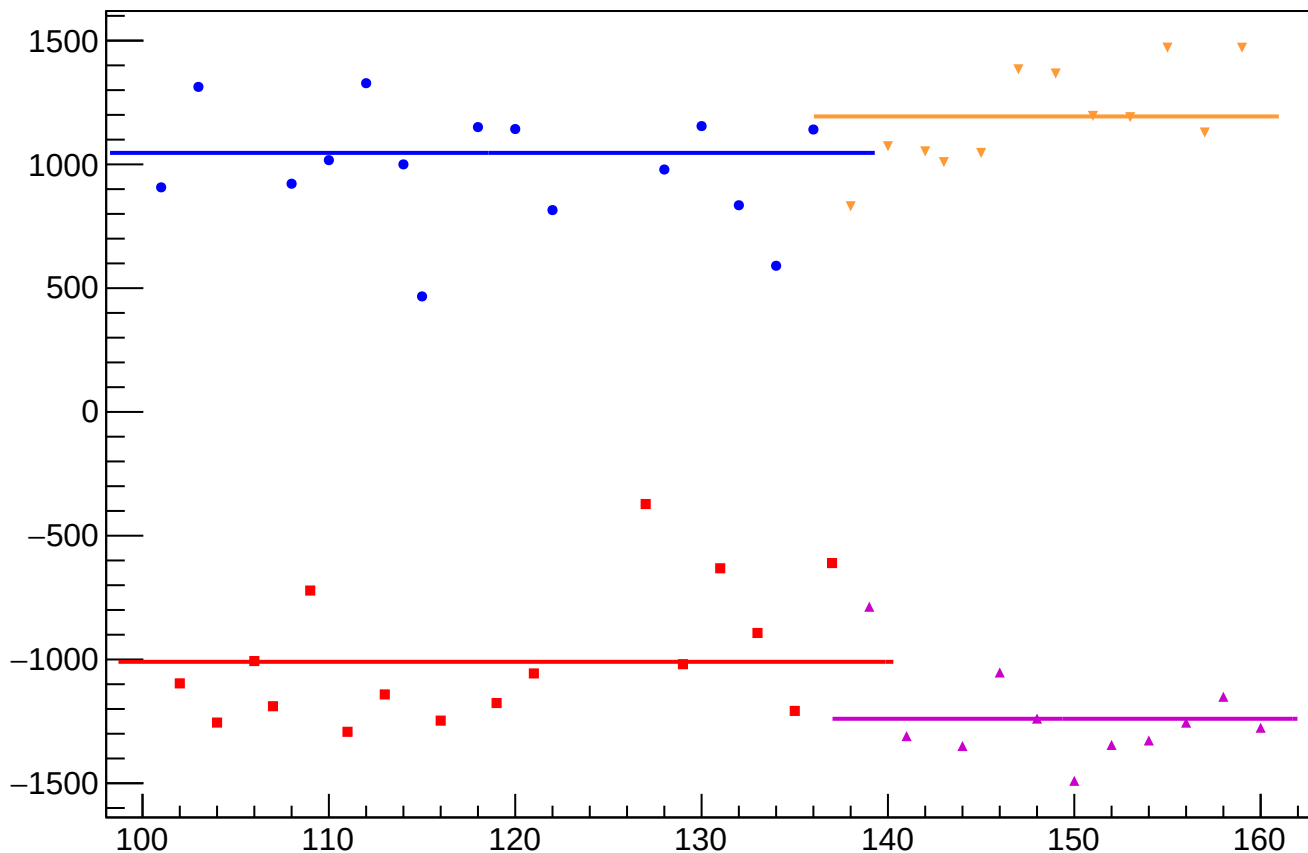
All: 5.194+/-0.000 χ^2/NDF : 53516578605527

dit_4eX_coil1_err_mean vs Slug, Sign Corrected



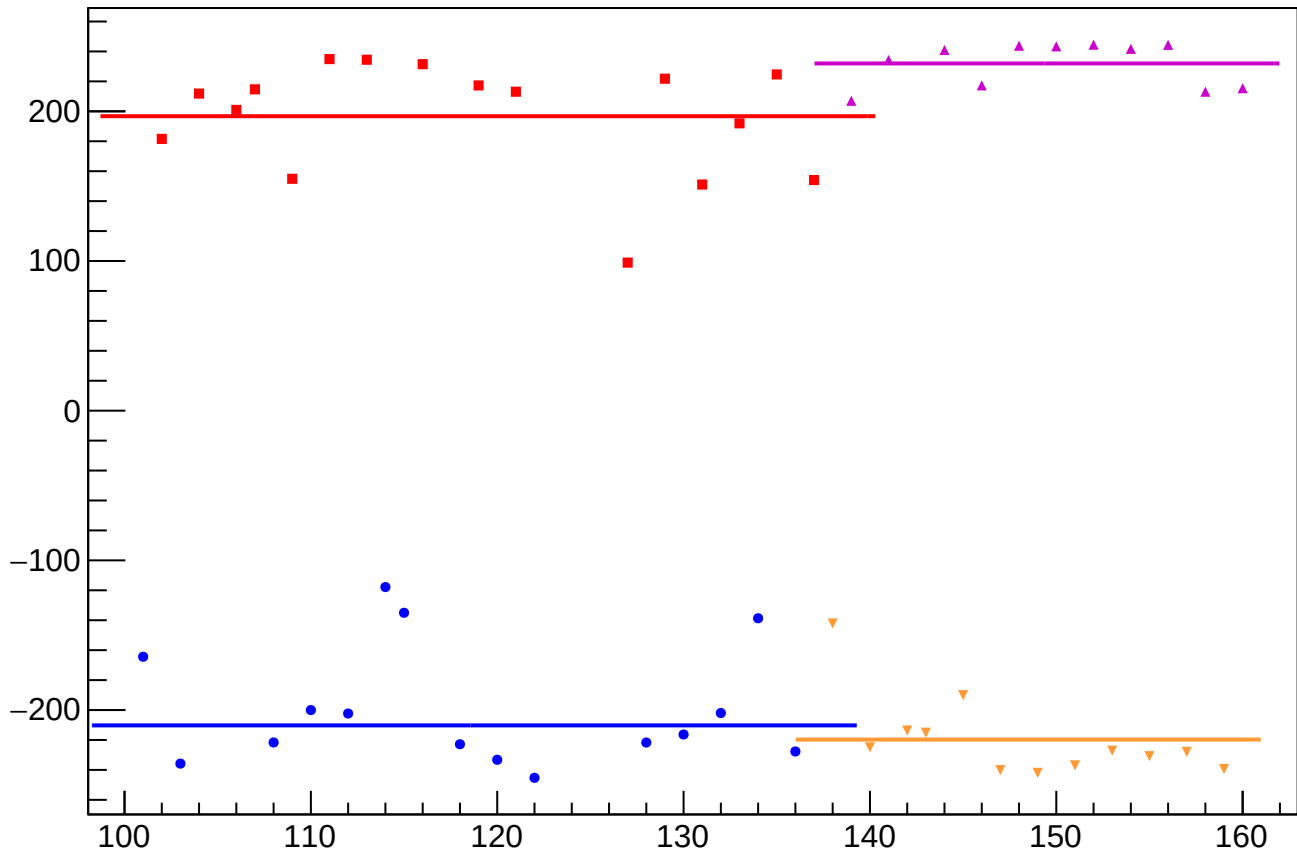
Right In: 4.959 ± 0.000 χ^2/NDF : 10465467057143371817371681641463808.0/14
 Left Out: 6.828 ± 0.000 χ^2/NDF : 5374095498583312473439971131260928.0/11
 Right Out: -4.429 ± 0.000 χ^2/NDF : 8371440400334524571131796772618240.0/15
 Left In: -6.978 ± 0.000 χ^2/NDF : 562269701427754941158413236699136.0/10
 All: 0.018 ± 0.000 χ^2/NDF : 14647689214070

dit_4eX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -29.533+/-0.000	χ^2/NDF : 2784054454845267
Left Out: 1193.726+/-0.000	χ^2/NDF : 34388618994267285012310712301196935168.0/11	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -296.360+/-0.000	χ^2/NDF : 2046292009130527
Left In: -1239.553+/-0.000	χ^2/NDF : 29116180330425505242594030704390045696.0/10	Out: 264.242+/-0.000	χ^2/NDF : 1950694116005569
		All: -15.348+/-0.000	χ^2/NDF : 424479012287

dit_11X12X_coil1_mean vs Slug, Sign Corrected



Right In: -210.261+/-0.000

Left Out: -219.729+/-0.000

Right Out: 196.736+/-0.000

Left In: 231.985+/-0.000

χ^2/NDF : 567711076568068409192467700494893056.0/14

χ^2/NDF : 691090878567021644145539364306288640.0/11

χ^2/NDF : 90958895093044840633640514790359040.0/15

χ^2/NDF : 182992027280401463139065105290887168.0/10

Left: 7.357+/-0.000 χ^2/NDF : 946302102045066653

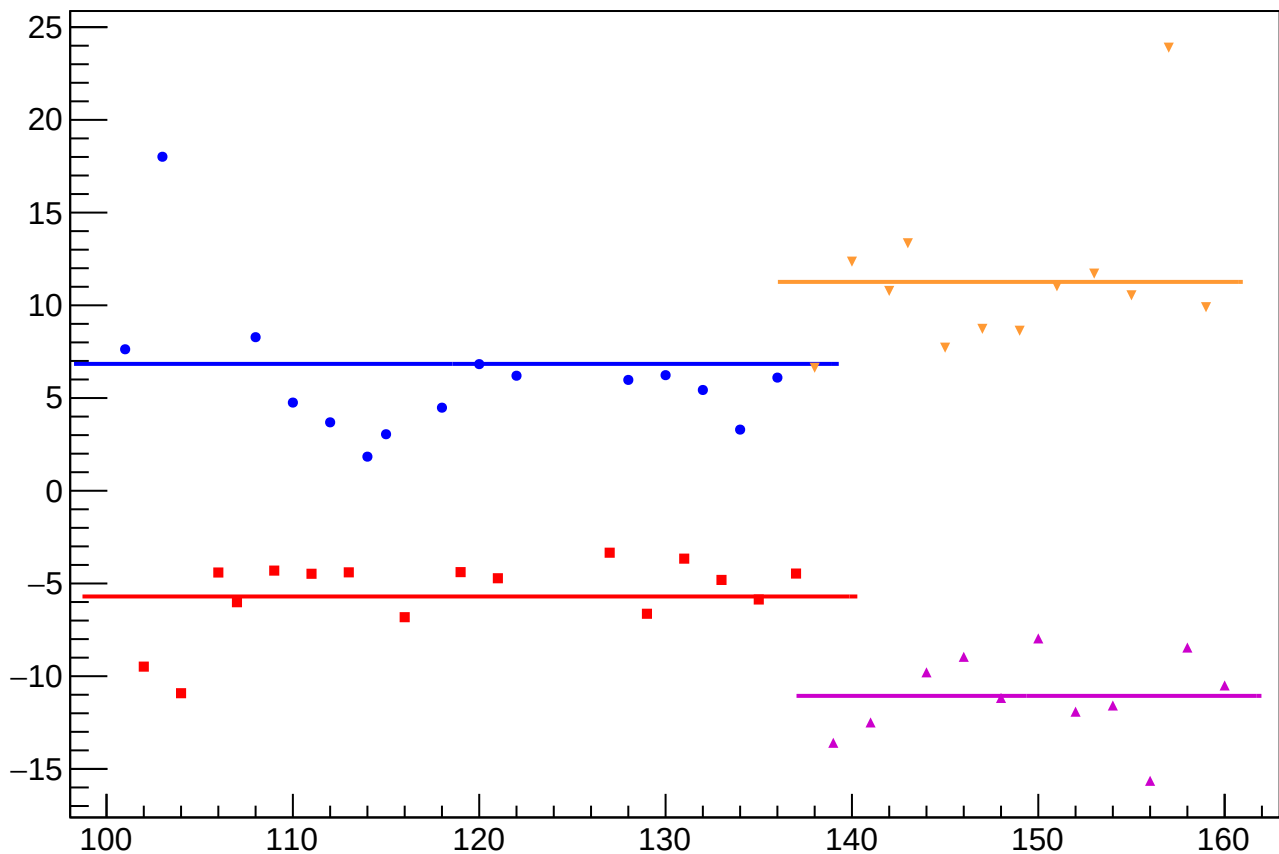
Right: -3.979+/-0.000 χ^2/NDF : 5596508618889263

In: 49.520+/-0.000 χ^2/NDF : 753125513421150554

Out: -44.029+/-0.000 χ^2/NDF : 6848097439733710

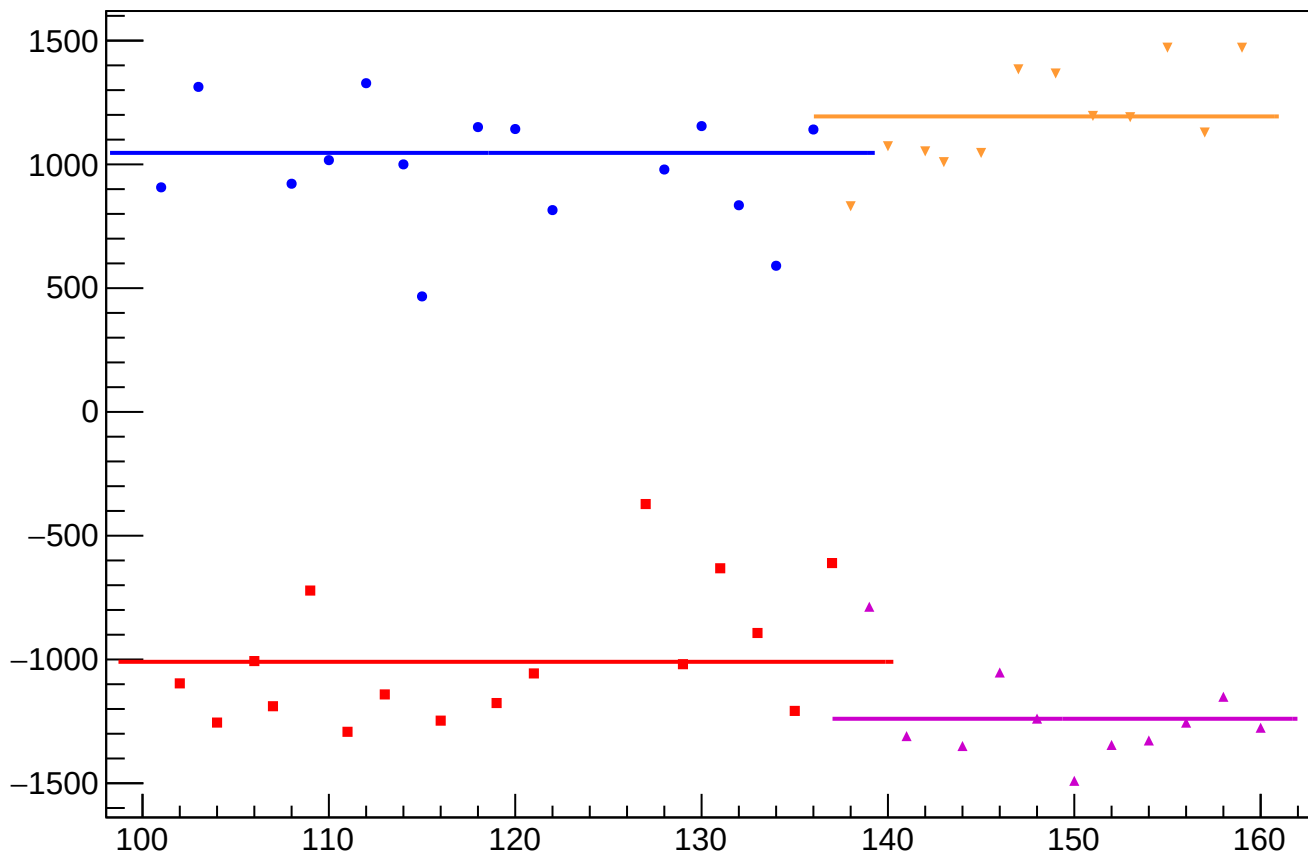
All: 2.627+/-0.000 χ^2/NDF : 15069384503153

dit_11X12X_coil1_err_mean vs Slug, Sign Corrected



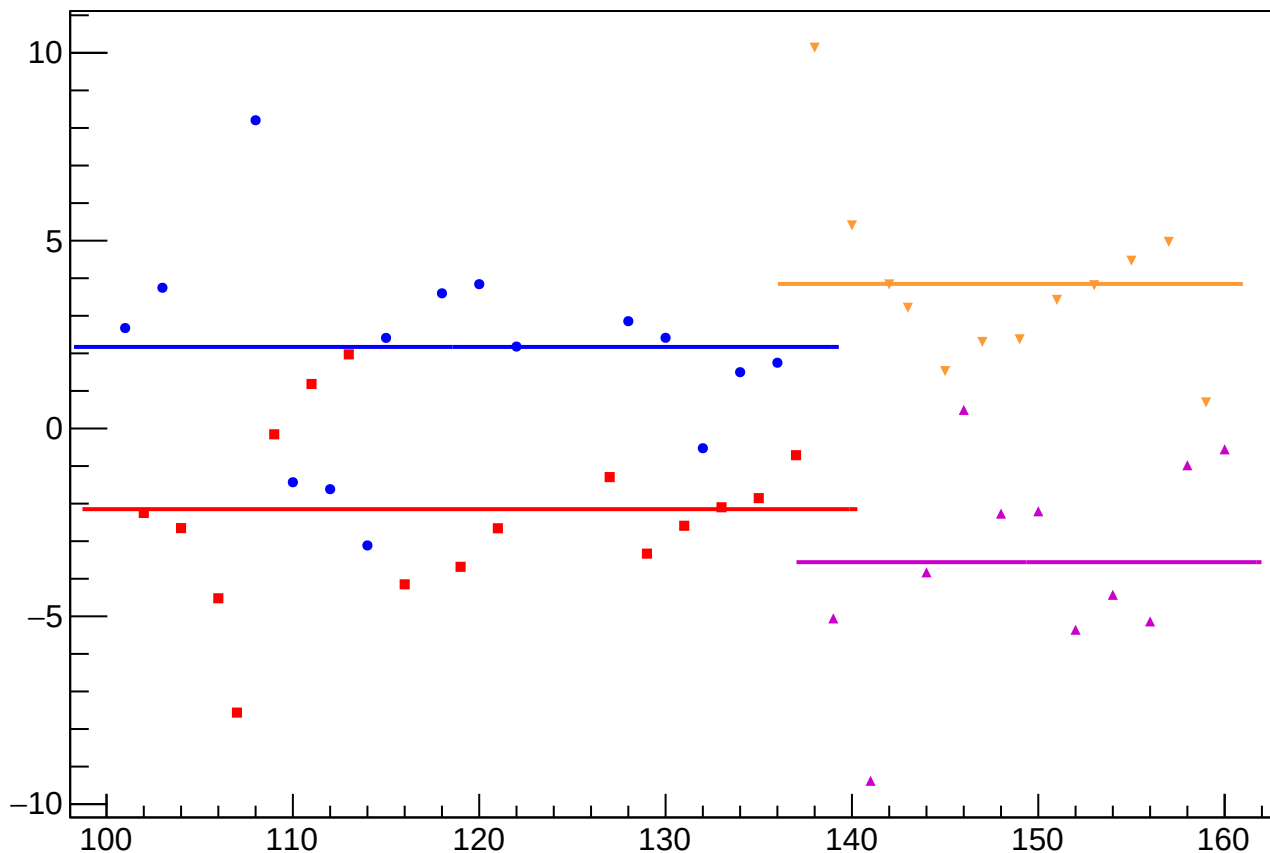
Right In: 6.842 ± 0.000 χ^2/NDF : 9355934166823324467316647620771840.0/14
 Left Out: 11.263 ± 0.000 χ^2/NDF : 16950484304495826735526537389408256.0/11
 Right Out: -5.701 ± 0.000 χ^2/NDF : 3174693398300953393137731791486976.0/15
 Left In: -11.061 ± 0.000 χ^2/NDF : 4417559387784954400311933713514496.0/10
 All: 0.226 ± 0.000 χ^2/NDF : 31478743415470

dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected



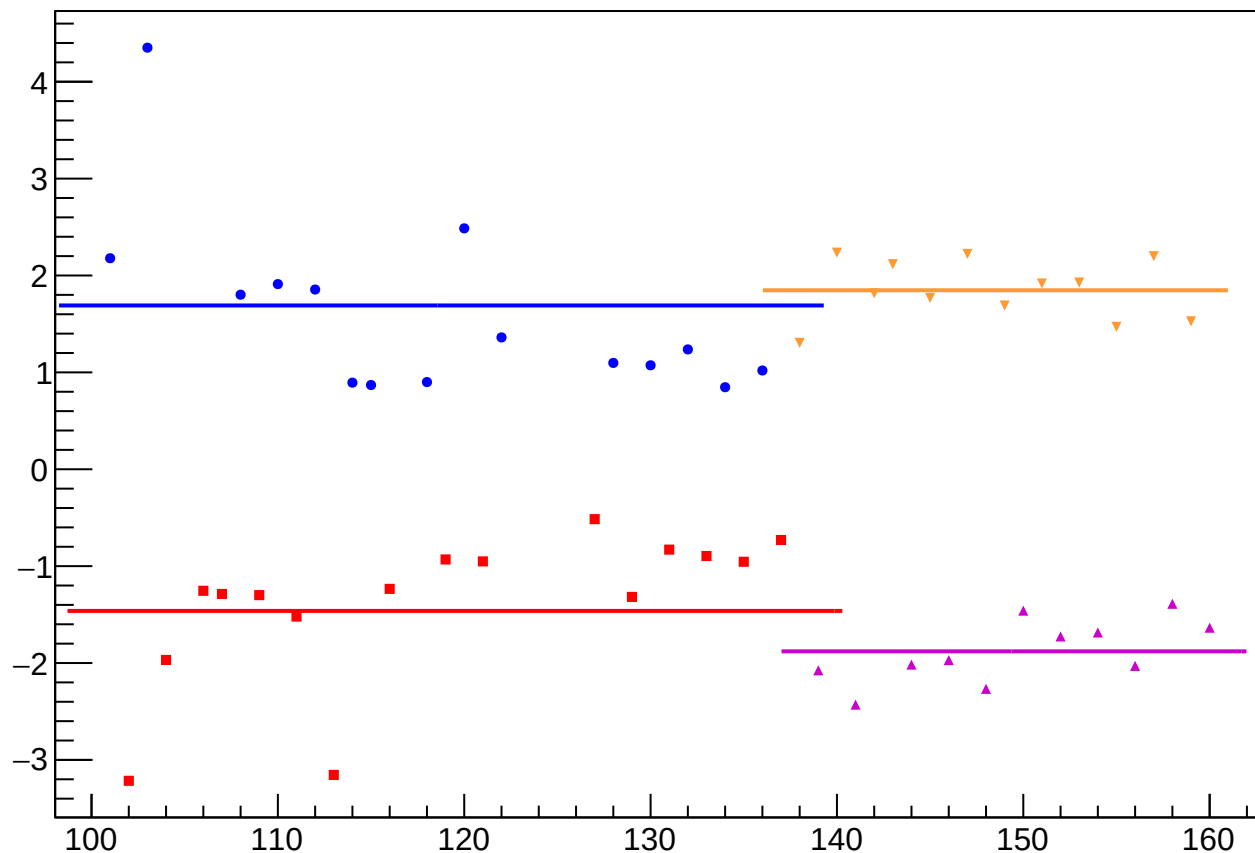
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4aY_coil1_mean vs Slug, Sign Corrected



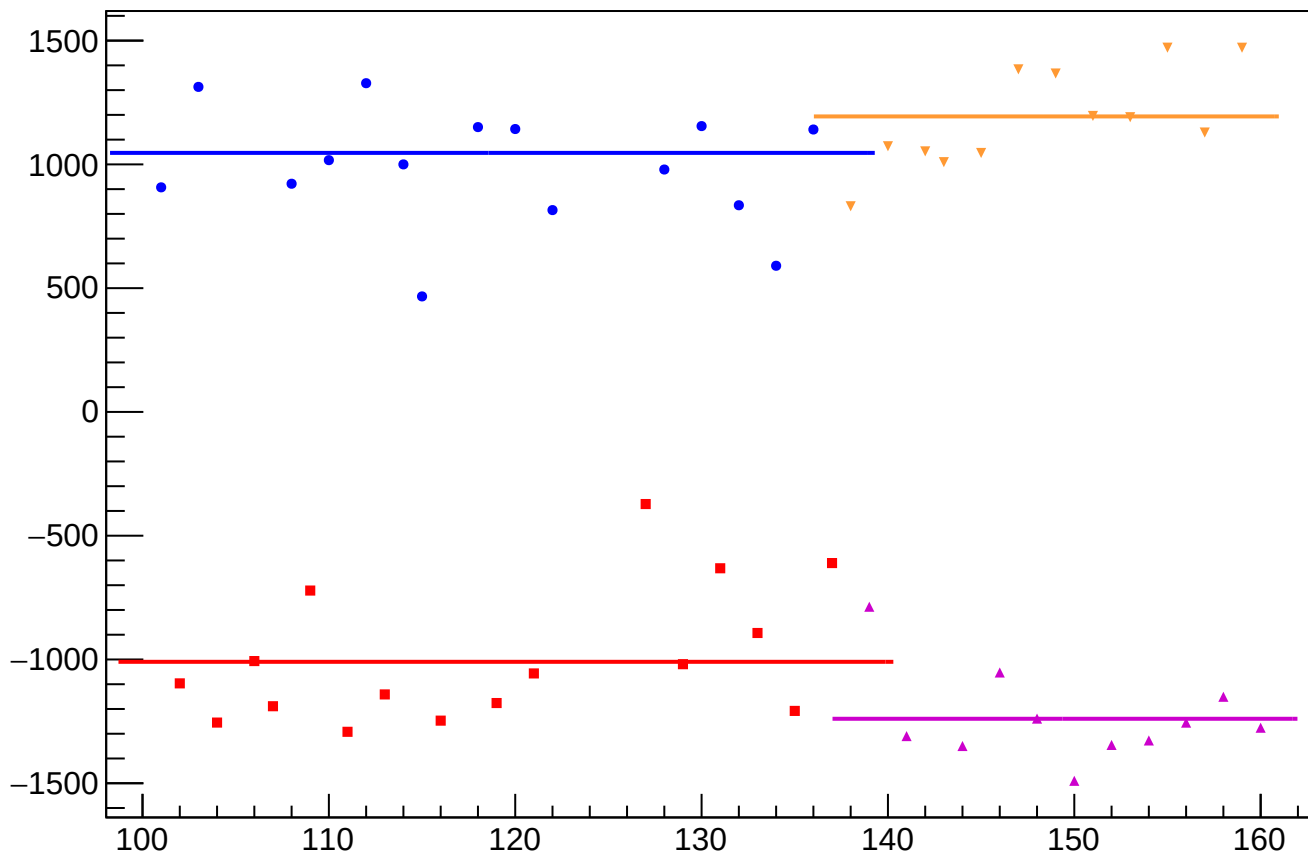
Right In: 2.171 ± 0.000 $\chi^2/\text{NDF}: 3599819246909975678410499691642880.0/14$
 Left Out: 3.848 ± 0.000 $\chi^2/\text{NDF}: 5039599457588936759406360166137856.0/11$
 Right Out: -2.148 ± 0.000 $\chi^2/\text{NDF}: 3093887336239378959606321931878400.0/15$
 Left In: -3.559 ± 0.000 $\chi^2/\text{NDF}: 6492667345109962540652165758713856.0/10$
 All: 0.065 ± 0.000 $\chi^2/\text{NDF}: 49586913800618$

dit_4aY_coil1_err_mean vs Slug, Sign Corrected



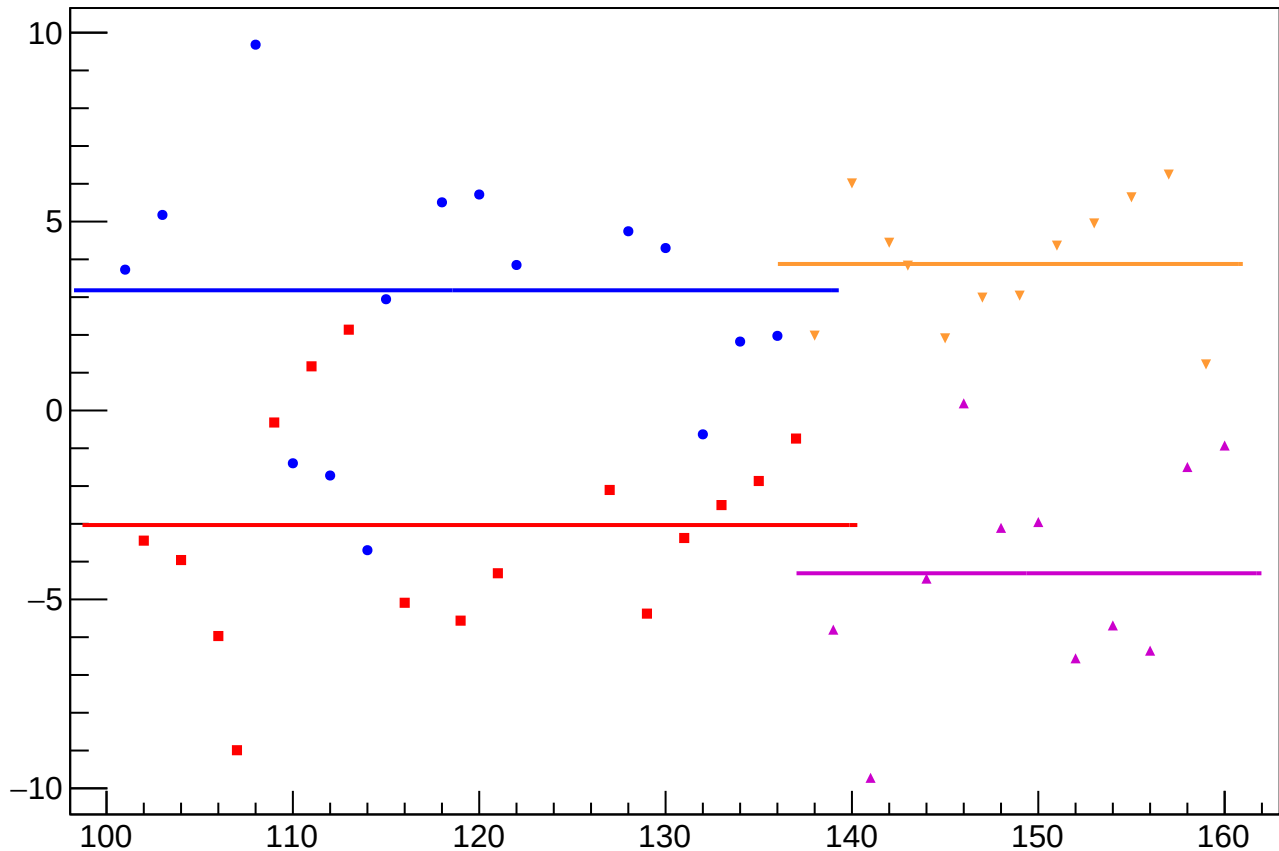
Right In: 1.691+/-0.000 χ^2/NDF : 612163393317609859674079412355072.0/14
 Left Out: 1.847+/-0.000 χ^2/NDF : 84162850183102511254837045231616.0/11
 Right Out: -1.462+/-0.000 χ^2/NDF : 444384511662519040022371754835968.0/15
 Left In: -1.879+/-0.000 χ^2/NDF : 90968052268112309617342982127616.0/10
 All: 0.024+/-0.000 χ^2/NDF : 10893960400462

dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected



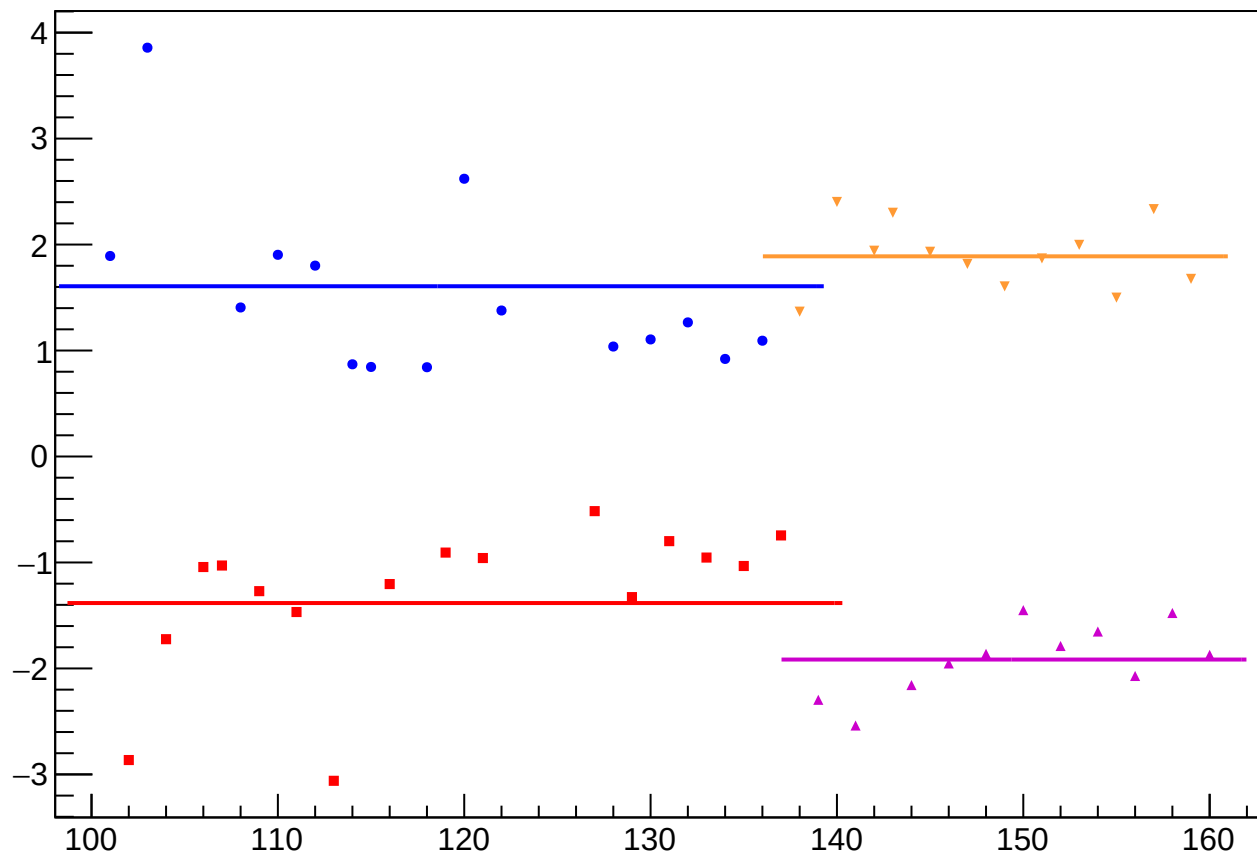
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4eY_coil1_mean vs Slug, Sign Corrected



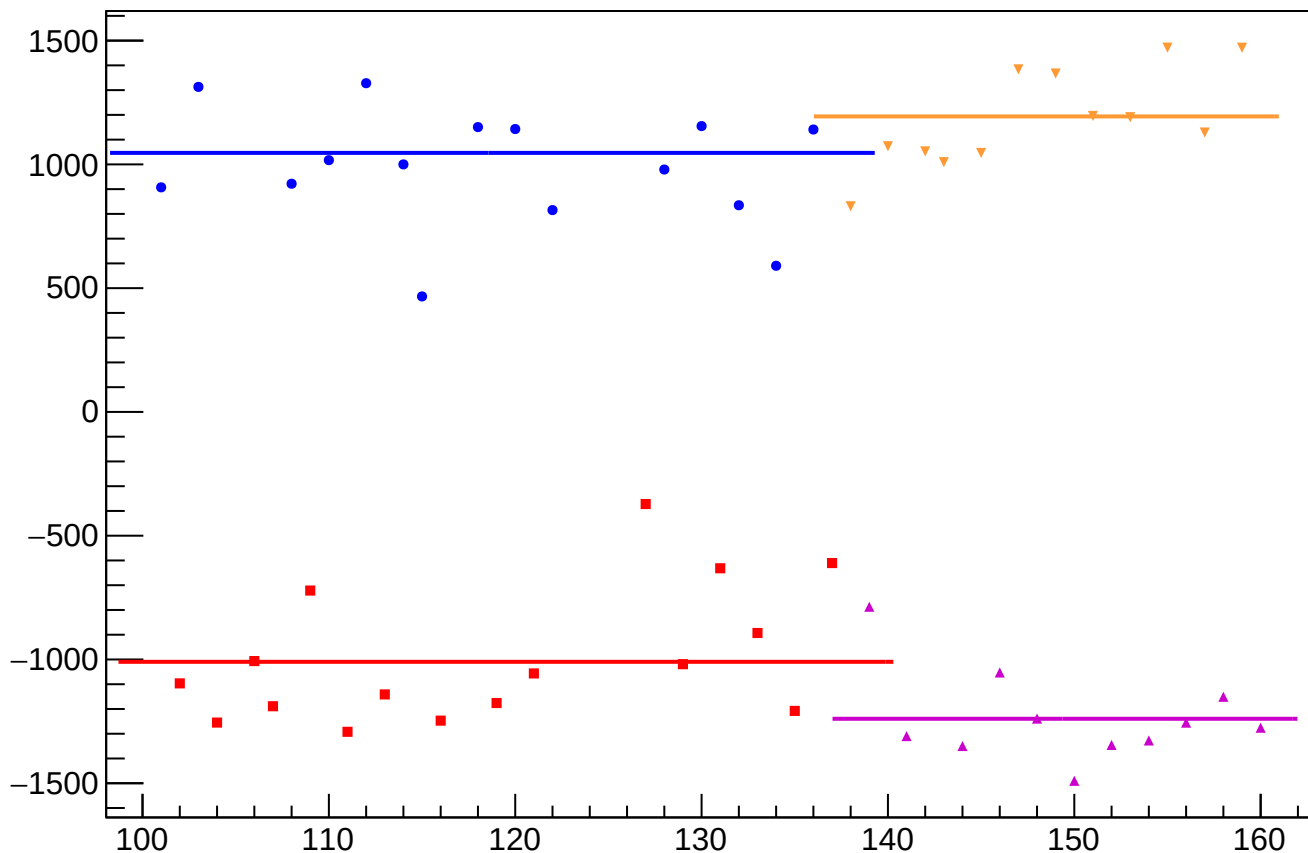
Left: -0.237 +/- 0.000 χ^2/NDF : 40330727078704471
 Right In: 3.181 +/- 0.000 χ^2/NDF : 5833303227868252617704566394191872.0/14
 Right: 0.032 +/- 0.000 χ^2/NDF : 23467771565313990
 Left Out: 3.878 +/- 0.000 χ^2/NDF : 2463584640289158504459219897417728.0/11
 In: -1.218 +/- 0.000 χ^2/NDF : 342914810766388262
 Right Out: -3.032 +/- 0.000 χ^2/NDF : 4937209831371793945496546833334272.0/15
 Out: 0.963 +/- 0.000 χ^2/NDF : 258114849490247466
 Left In: -4.308 +/- 0.000 χ^2/NDF : 7073495667694280351803168107003904.0/10
 All: -0.125 +/- 0.000 χ^2/NDF : 6385427084403

dit_4eY_coil1_err_mean vs Slug, Sign Corrected



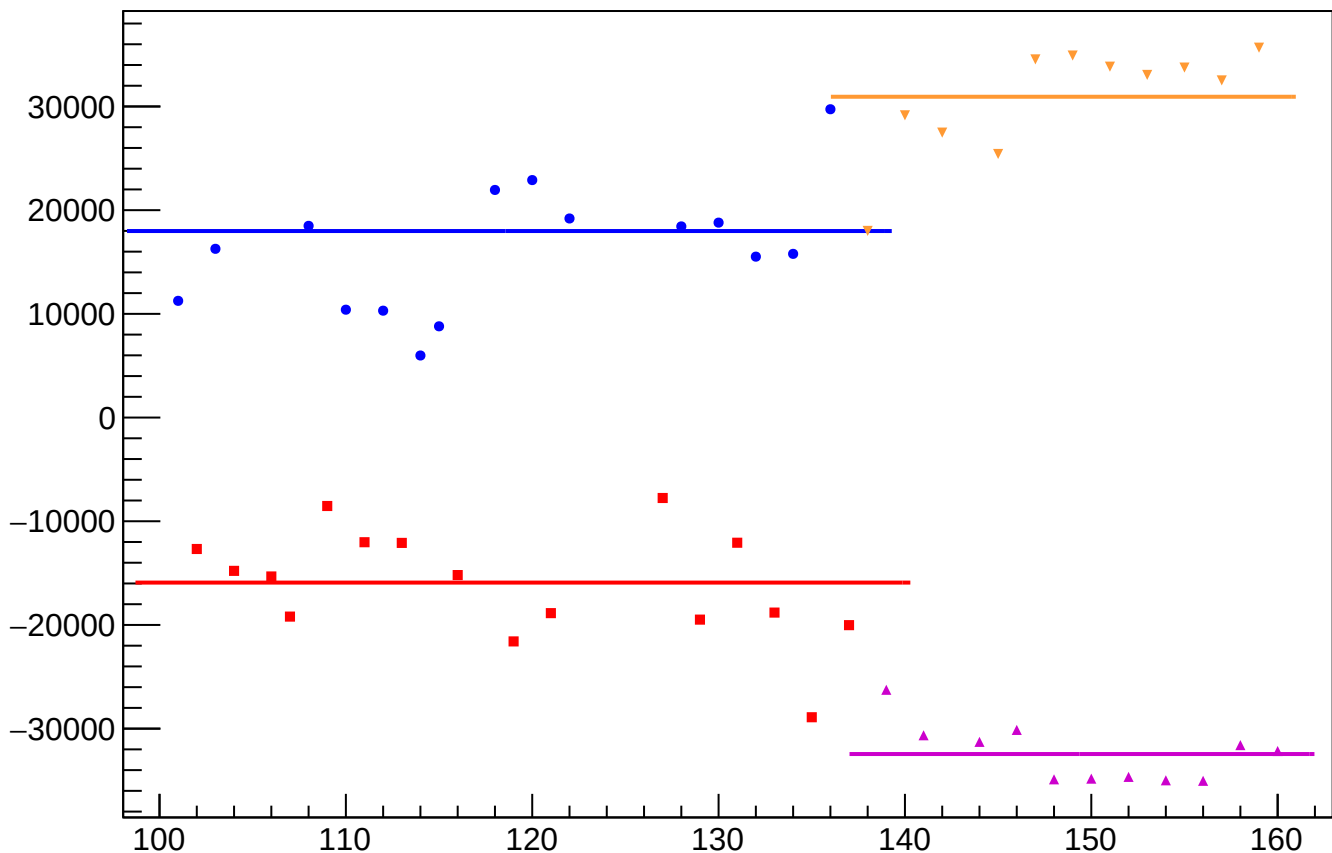
Right In: 1.607 ± 0.000 $\chi^2/\text{NDF}: 460949628640148184181205735833600.0/14$
 Left Out: 1.889 ± 0.000 $\chi^2/\text{NDF}: 94097326064066188177587241484288.0/11$
 Right Out: -1.383 ± 0.000 $\chi^2/\text{NDF}: 358348897016286200957650337792000.0/15$
 Left In: -1.916 ± 0.000 $\chi^2/\text{NDF}: 95276515809016209875699691945984.0/10$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 10610919143090$

dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected



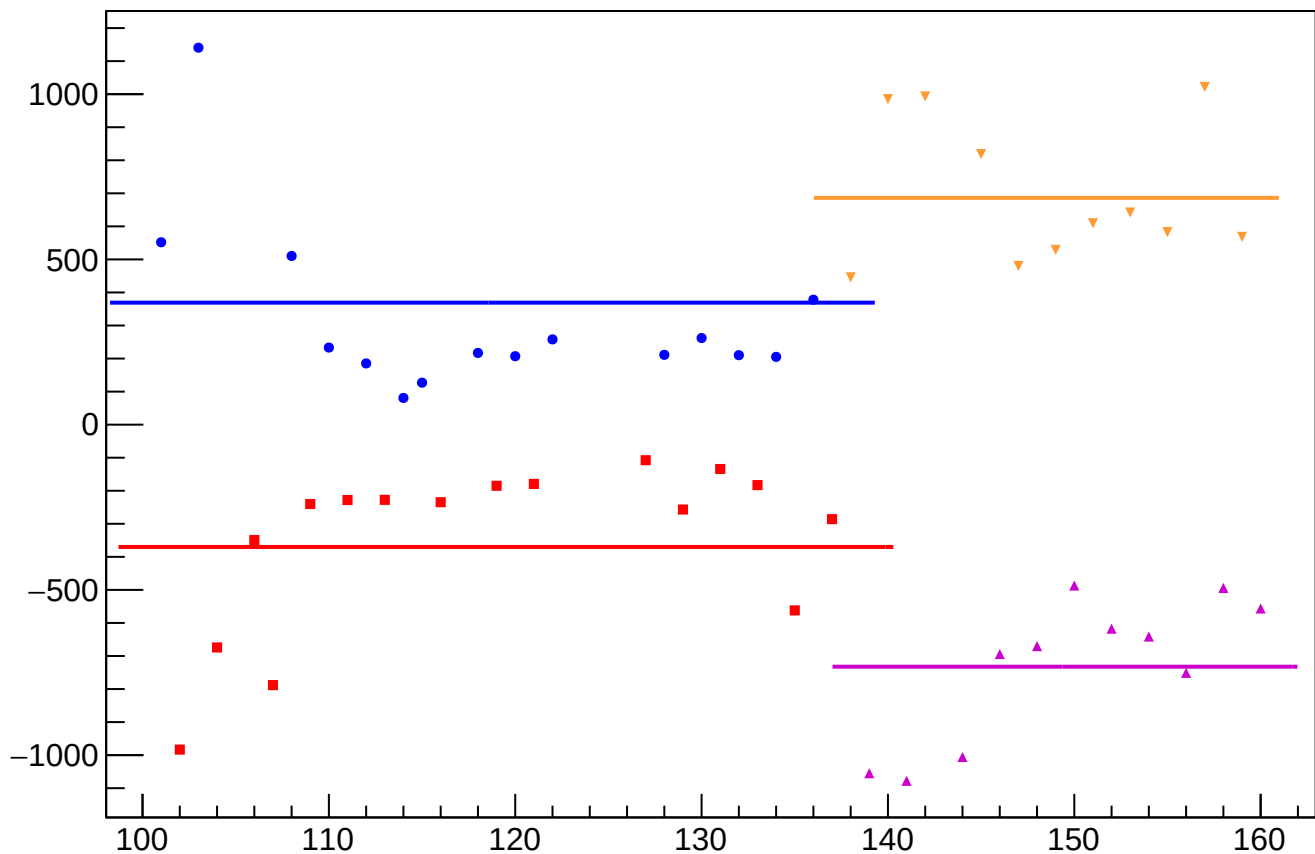
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_usl_coil1_mean vs Slug, Sign Corrected



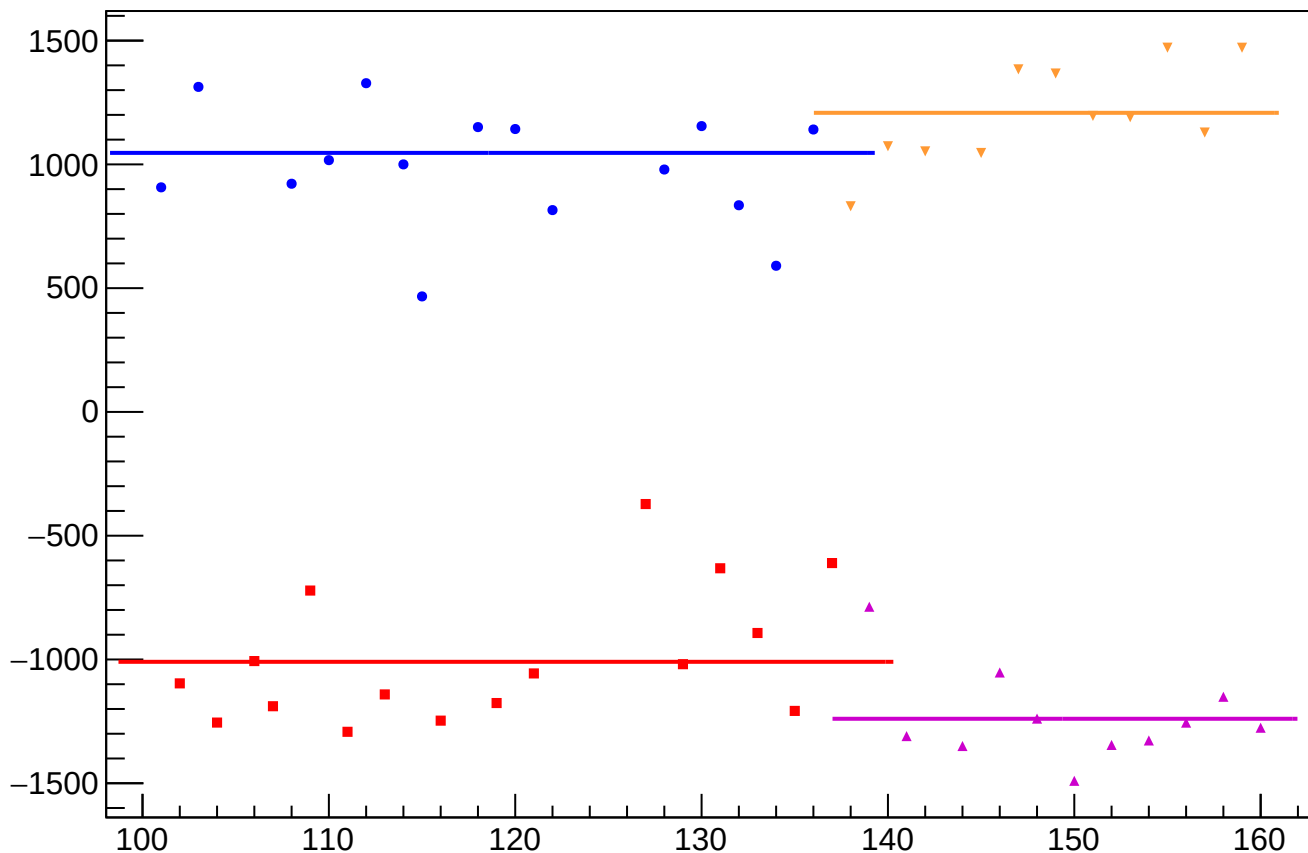
Right In: 17988.185+/-0.000 χ^2/NDF : 24815111809984217103544001237552952508416.0/14
 Left Out: 30938.190+/-0.000 χ^2/NDF : 22231201695257869773275369100022395174912.0/10
 Right Out: -15915.227+/-0.000 χ^2/NDF : 19954189674705952707042287416087223992320.0/15
 Left In: -32448.675+/-0.000 χ^2/NDF : 6566176061380629796456552080625585094656.0/10
 All: -880.808+/-0.000 χ^2/NDF : 22337383681

dit_usl_coil1_err_mean vs Slug, Sign Corrected



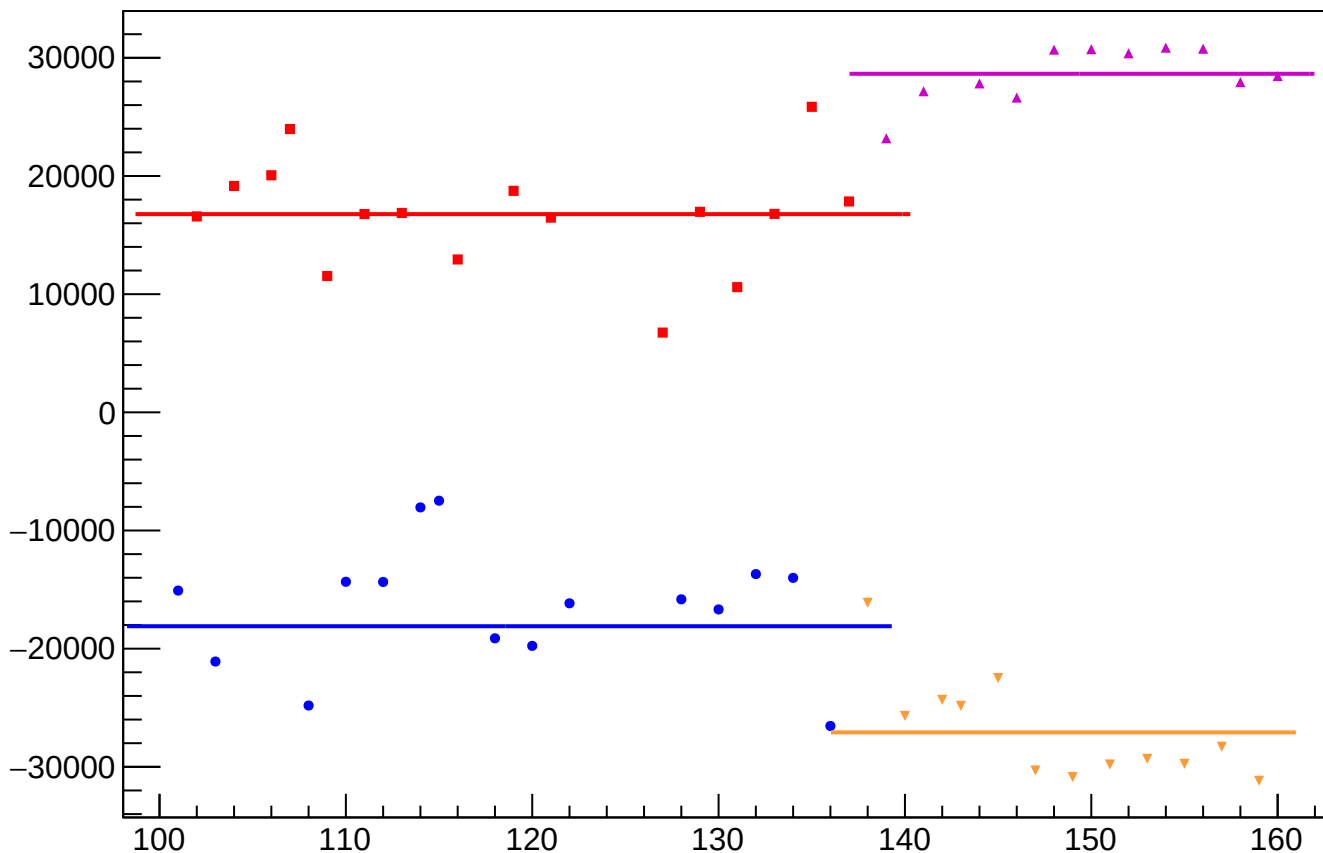
Right In: 369.169+/-0.000 χ^2/NDF : 48053036789565485994195833341370957824.0/14
 Left Out: 686.240+/-0.000 χ^2/NDF : 34417236167842983766159212562513657856.0/10
 Right Out: -370.091+/-0.000 χ^2/NDF : 48214462907052107543037037125316902912.0/15
 Left In: -732.414+/-0.000 χ^2/NDF : 39942105840529115736569596950263889920.0/10
 All: -33.290+/-0.000 χ^2/NDF : 124154771081

dit_usl_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1208.342+/-0.000 χ^2/NDF : 31920270949065456215955115636701528064.0/10
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -37.580+/-0.000 χ^2/NDF : 417296815174

dit_usr_coil1_mean vs Slug, Sign Corrected



Right In: -18100.637+/-0.000

Left Out: -27085.326+/-0.000

Right Out: 16773.604+/-0.000

Left In: 28650.410+/-0.000

χ^2/NDF : 14634967546173586967632040765428699496448.0/14

χ^2/NDF : 16913671790830002451724713056210492850176.0/11

χ^2/NDF : 14234547931135812277474342886568366178304.0/15

χ^2/NDF : 4838827535981080826725947474344765554688.0/10

Left: 934.162+/-0.000 χ^2/NDF : 1449134260498682

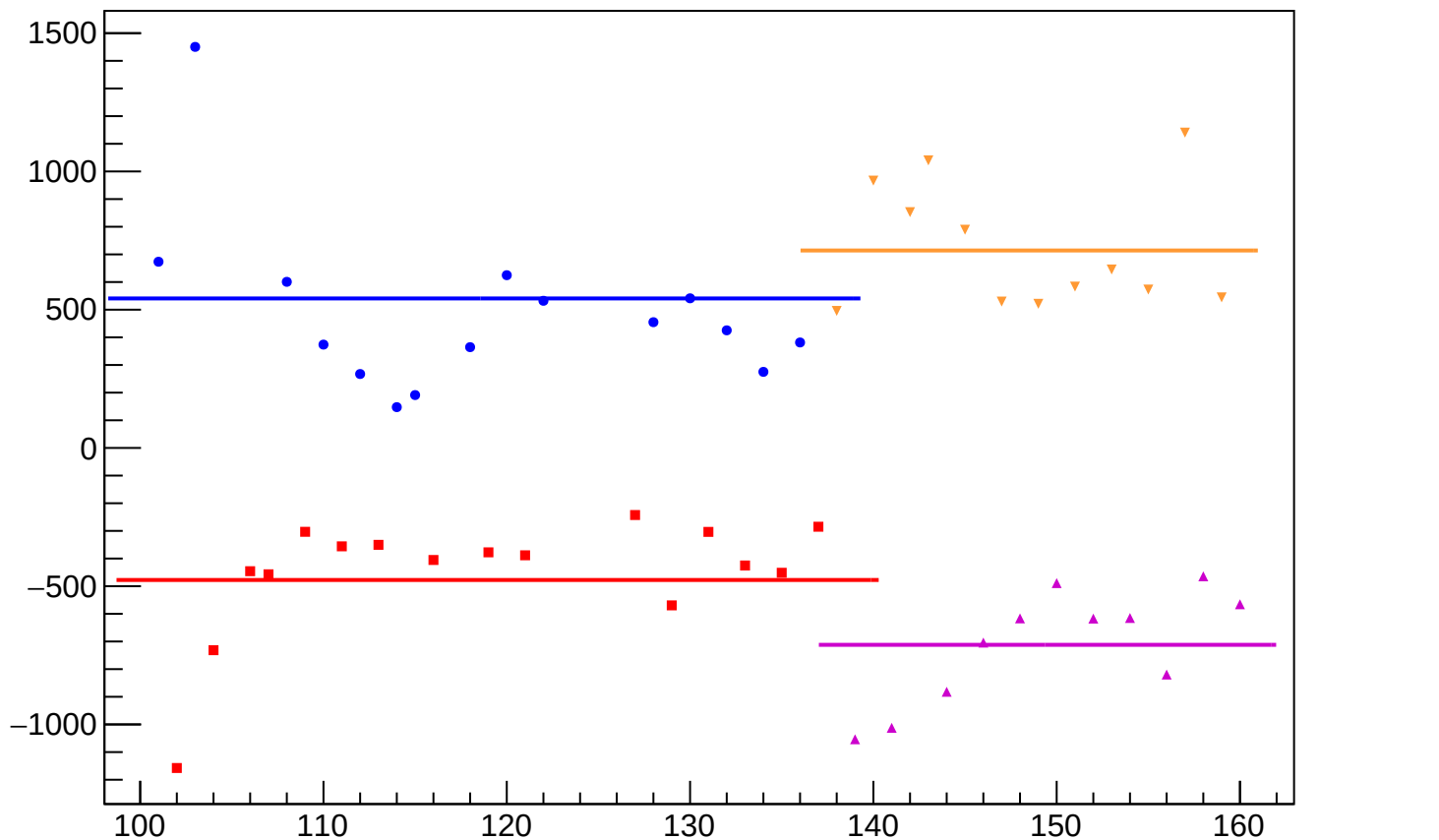
Right: -425.015+/-0.000 χ^2/NDF : 42892863582613

In: 9361.516+/-0.000 χ^2/NDF : 8527147862381255

Out: -8581.907+/-0.000 χ^2/NDF : 77289596182504

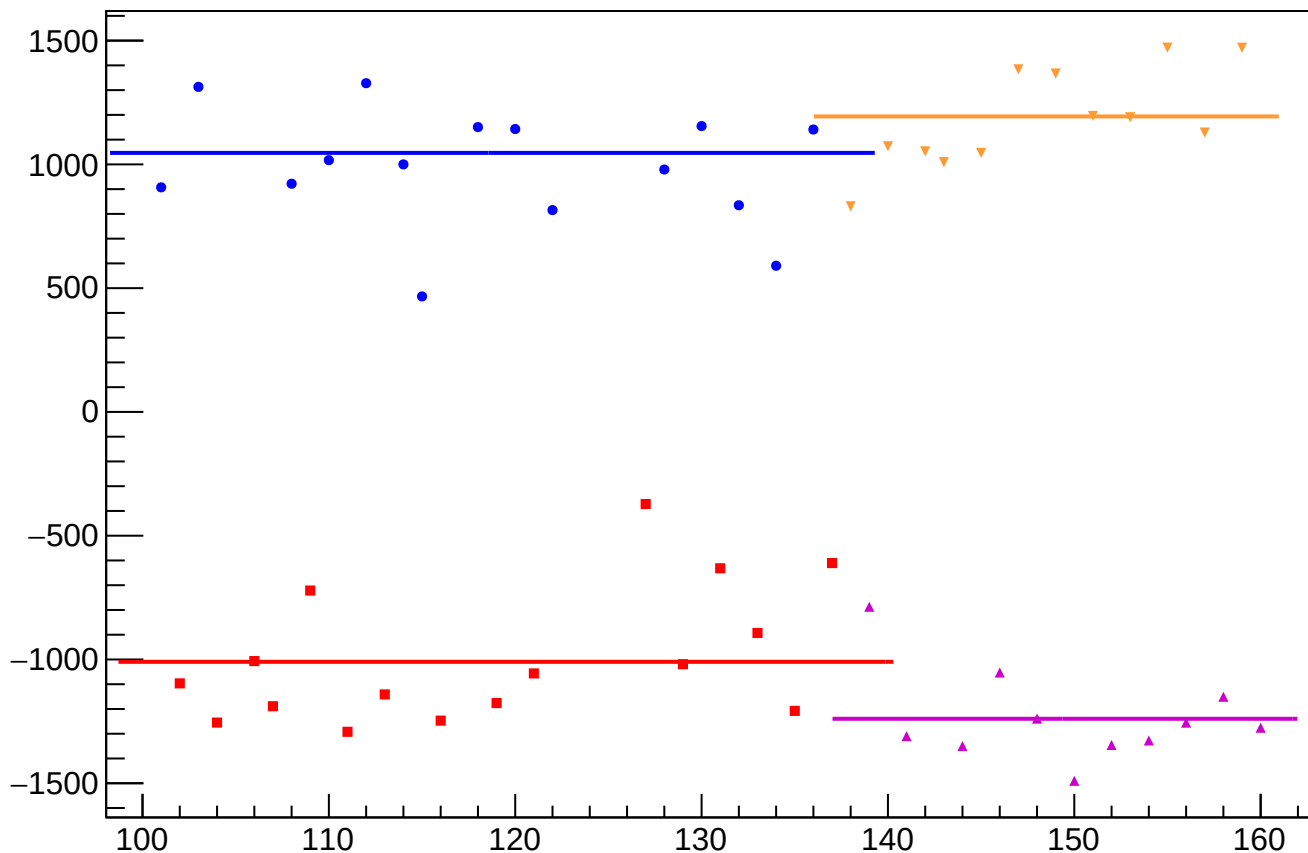
All: 367.048+/-0.000 χ^2/NDF : 18794796419

dit_usr_coil1_err_mean vs Slug, Sign Corrected



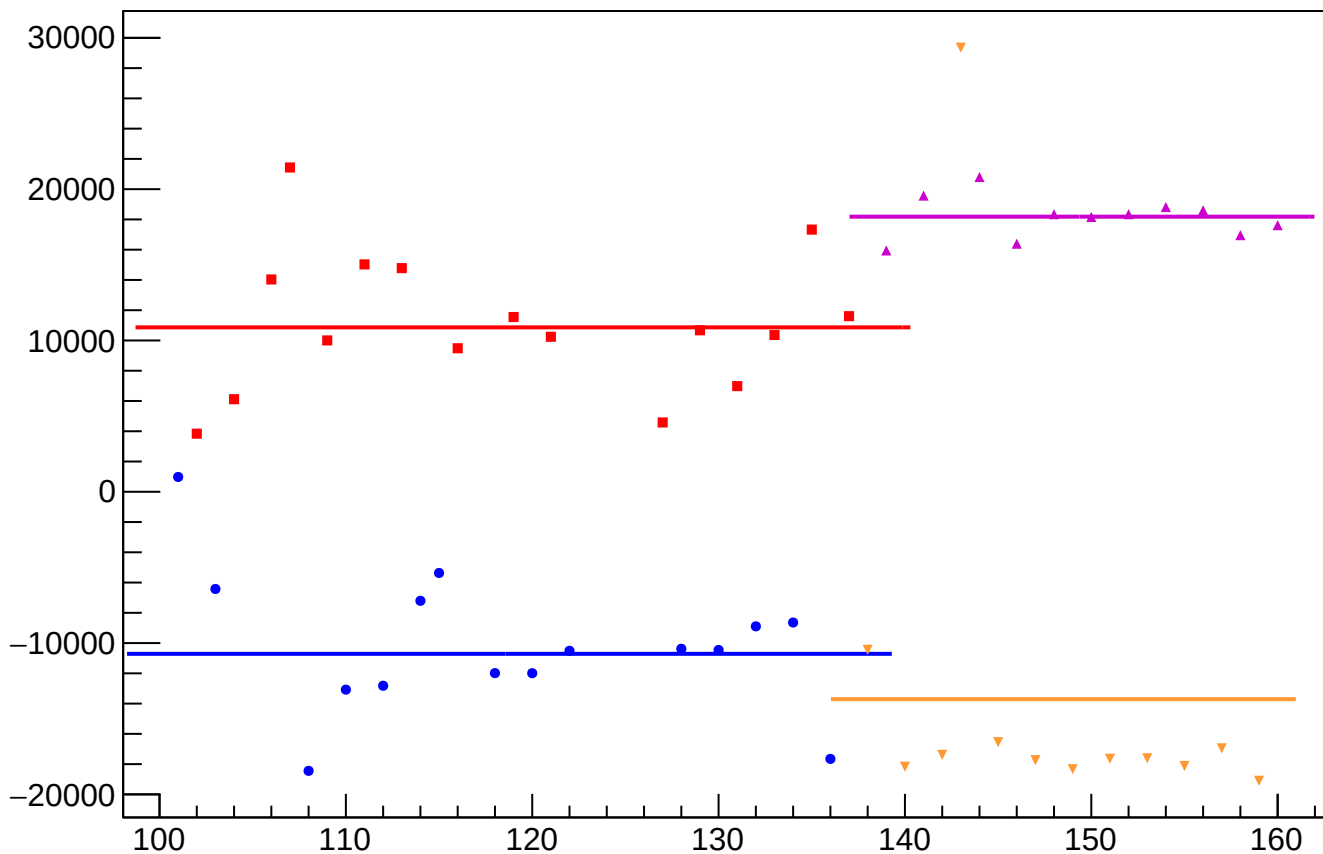
Left: -2.853 +/- 0.000 χ^2/NDF : 10119212919667896
 Right In: 540.663 +/- 0.000 χ^2/NDF : 64546819695986774721678785082975846400.0/14
 Right: 24.595 +/- 0.000 χ^2/NDF : 4443717563002768
 Left Out: 714.147 +/- 0.000 χ^2/NDF : 43160975478631460248575745928156151808.0/11
 In: -195.221 +/- 0.000 χ^2/NDF : 6969405075379816
 Right Out: -477.546 +/- 0.000 χ^2/NDF : 38798306504296954461537116809760604160.0/15
 Out: 211.390 +/- 0.000 χ^2/NDF : 6295663774355160
 Left In: -712.092 +/- 0.000 χ^2/NDF : 34092045920503284936427855101460217856.0/10
 All: 8.600 +/- 0.000 χ^2/NDF : 14568707976042

dit_usr_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atl1_coil1_mean vs Slug, Sign Corrected



Right In: -10710.292 +/- 0.000

χ^2/NDF : 16945226152053511840482618402250170564608.0/14

Left Out: -13705.488 +/- 0.000

χ^2/NDF : 138226511026527050662319693841079709204480.0/11

Right Out: 10866.264 +/- 0.000

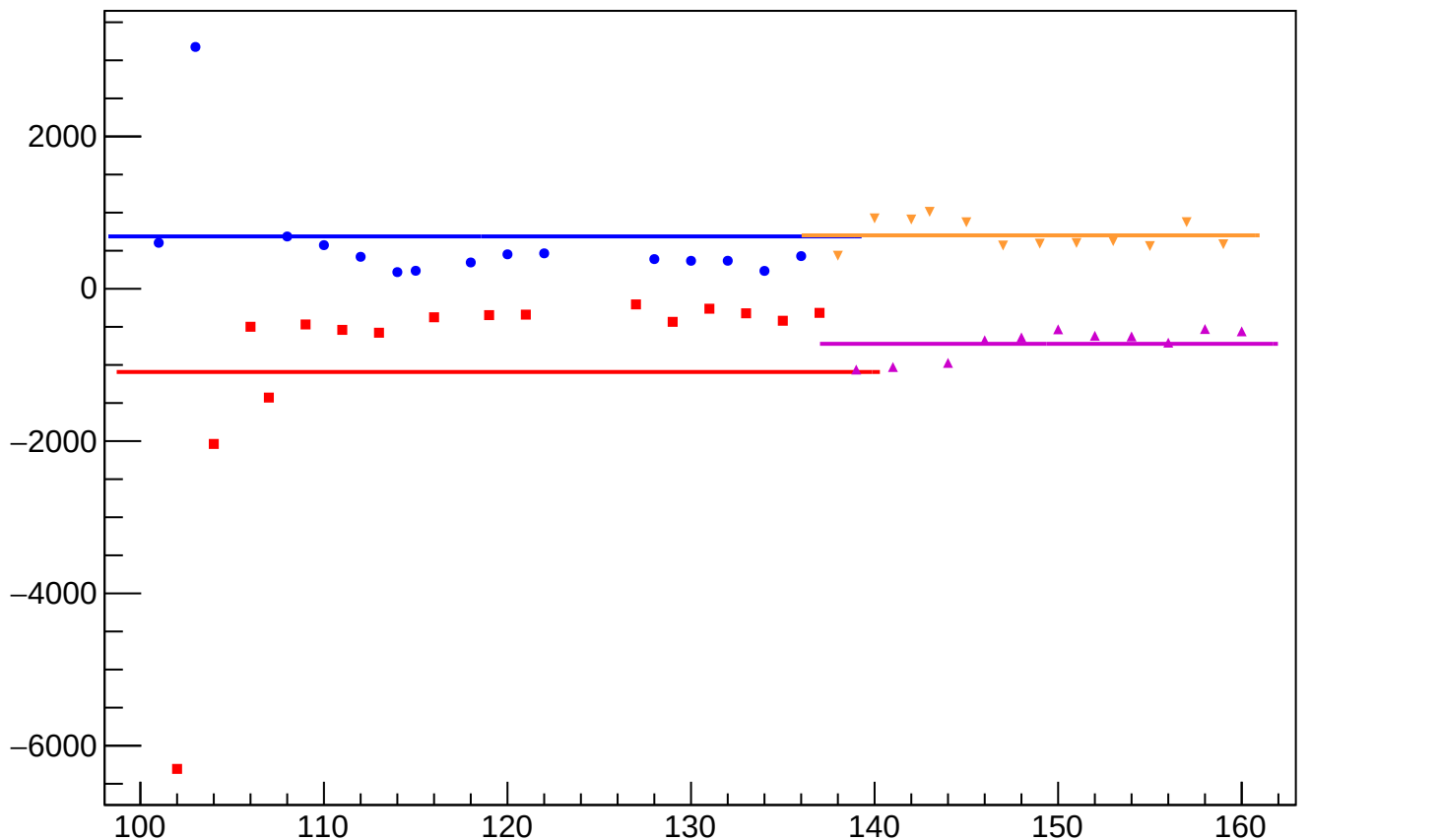
χ^2/NDF : 14234762838858382484525901644131626647552.0/15

Left In: 18181.504 +/- 0.000

χ^2/NDF : 1643617183572647868818914289162838343680.0/10

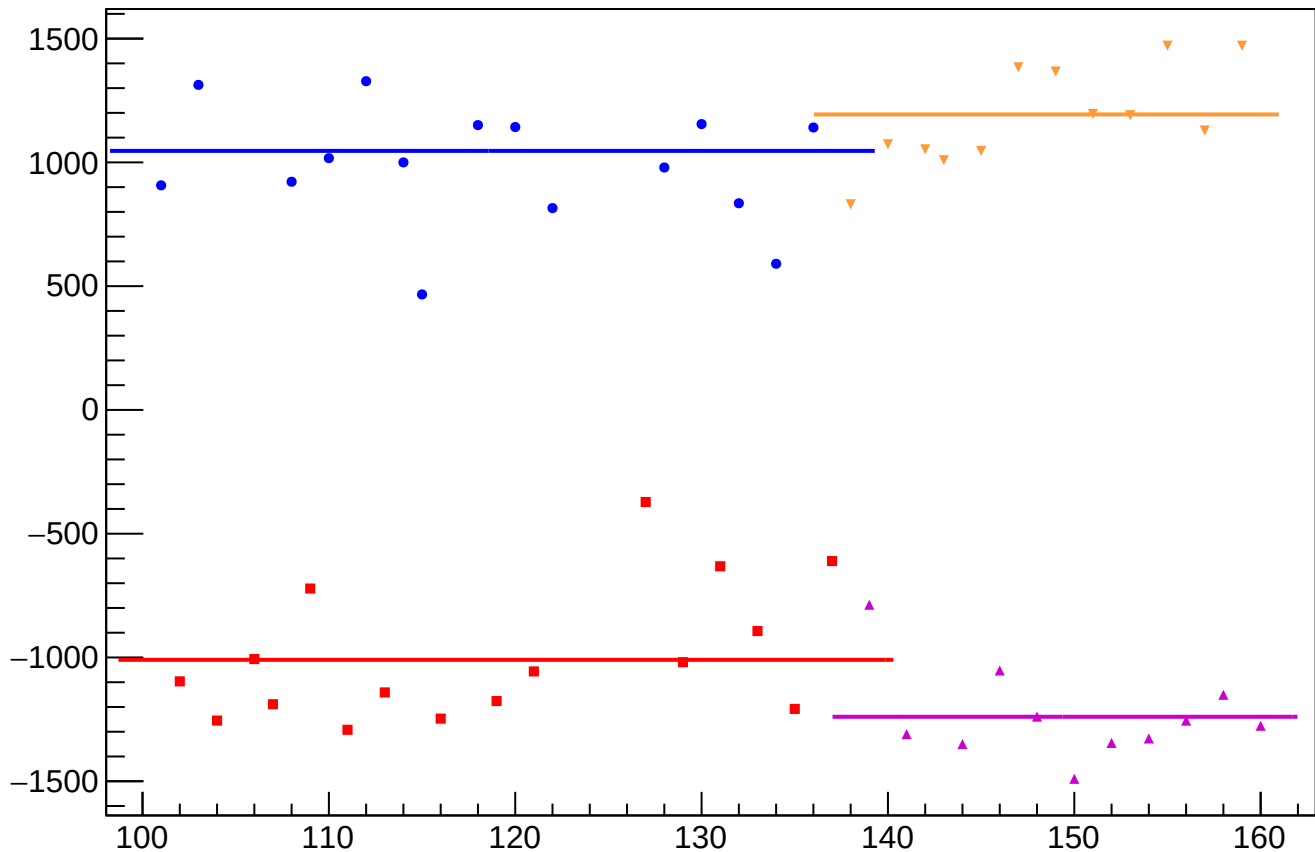
All: 1448.863 +/- 0.000 χ^2/NDF : 79476286142

dit_atl1_coil1_err_mean vs Slug, Sign Corrected



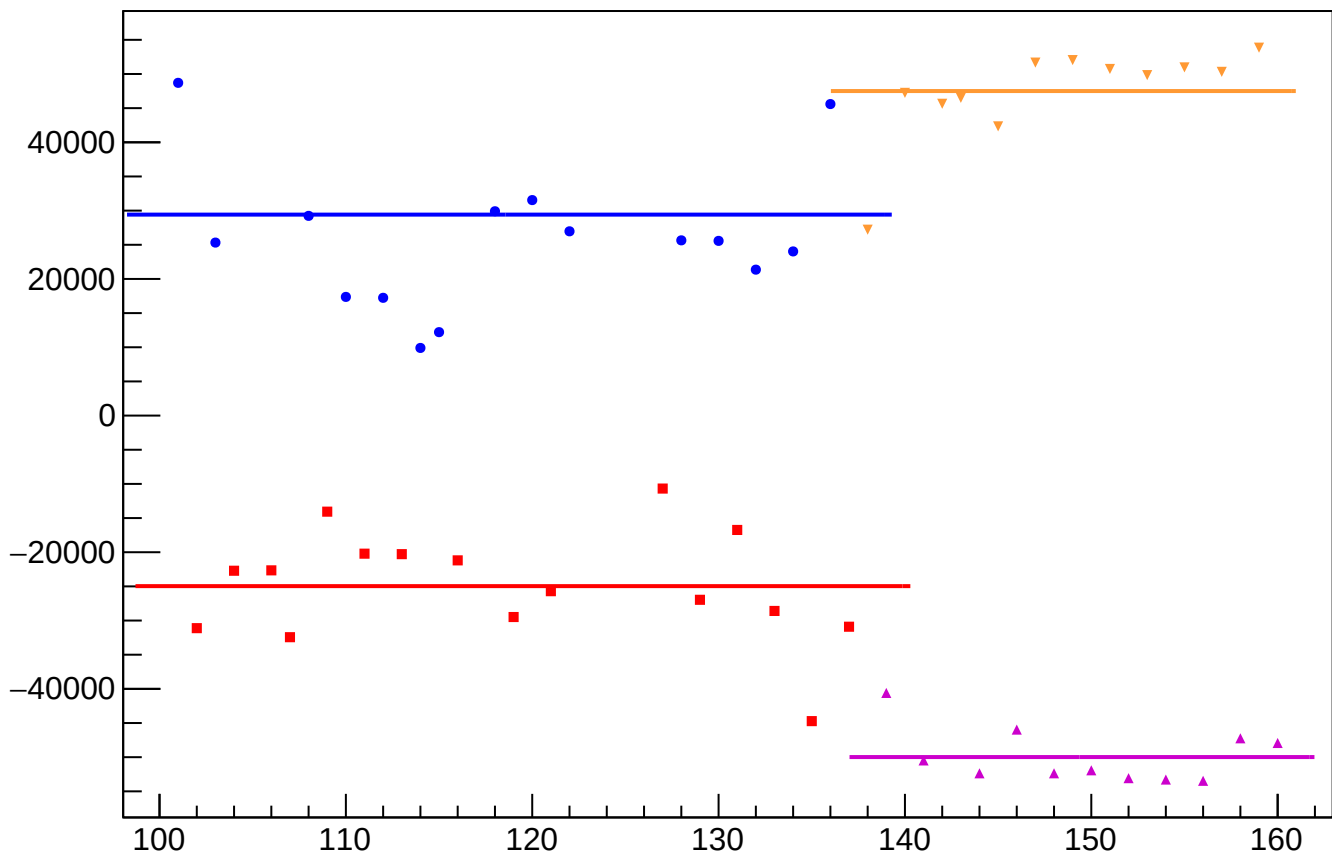
Right In: 687.939 ± 0.000 $\chi^2/\text{NDF}: 409297141104301509817753390759024787456.0/14$
 Left Out: 701.825 ± 0.000 $\chi^2/\text{NDF}: 29011752452264624264282448573098885120.0/11$
 Right Out: -1092.265 ± 0.000 $\chi^2/\text{NDF}: 1883198142929605813456233812946948456448.0/15$
 Left In: -722.743 ± 0.000 $\chi^2/\text{NDF}: 33693137116513948077860330410535288832.0/10$
 All: -97.785 ± 0.000 $\chi^2/\text{NDF}: 436080381727$

dit_atl1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atl2_coil1_mean vs Slug, Sign Corrected



Right In: 29415.830+/-0.000

χ^2/NDF : 71764989638928082906774979753894809174016.0/14

Left Out: 47501.916+/-0.000

χ^2/NDF : 43591715334933801645565199836761766756352.0/11

Right Out: -24963.010+/-0.000

χ^2/NDF : 45631572920122171972835961685494315614208.0/15

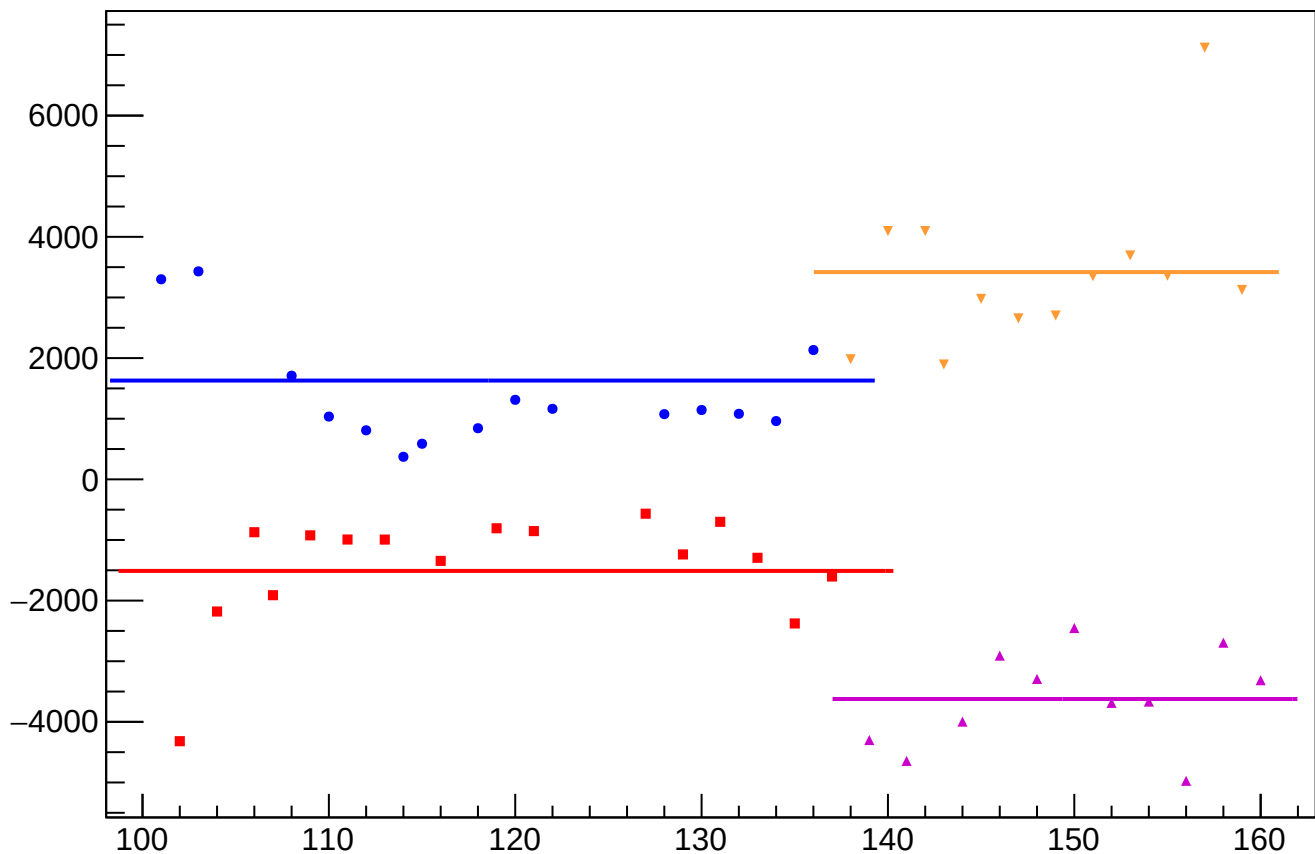
Left In: -49982.063+/-0.000

χ^2/NDF : 13505821019305603846121121344717970210816.0/10

All: -103.402+/-0.000

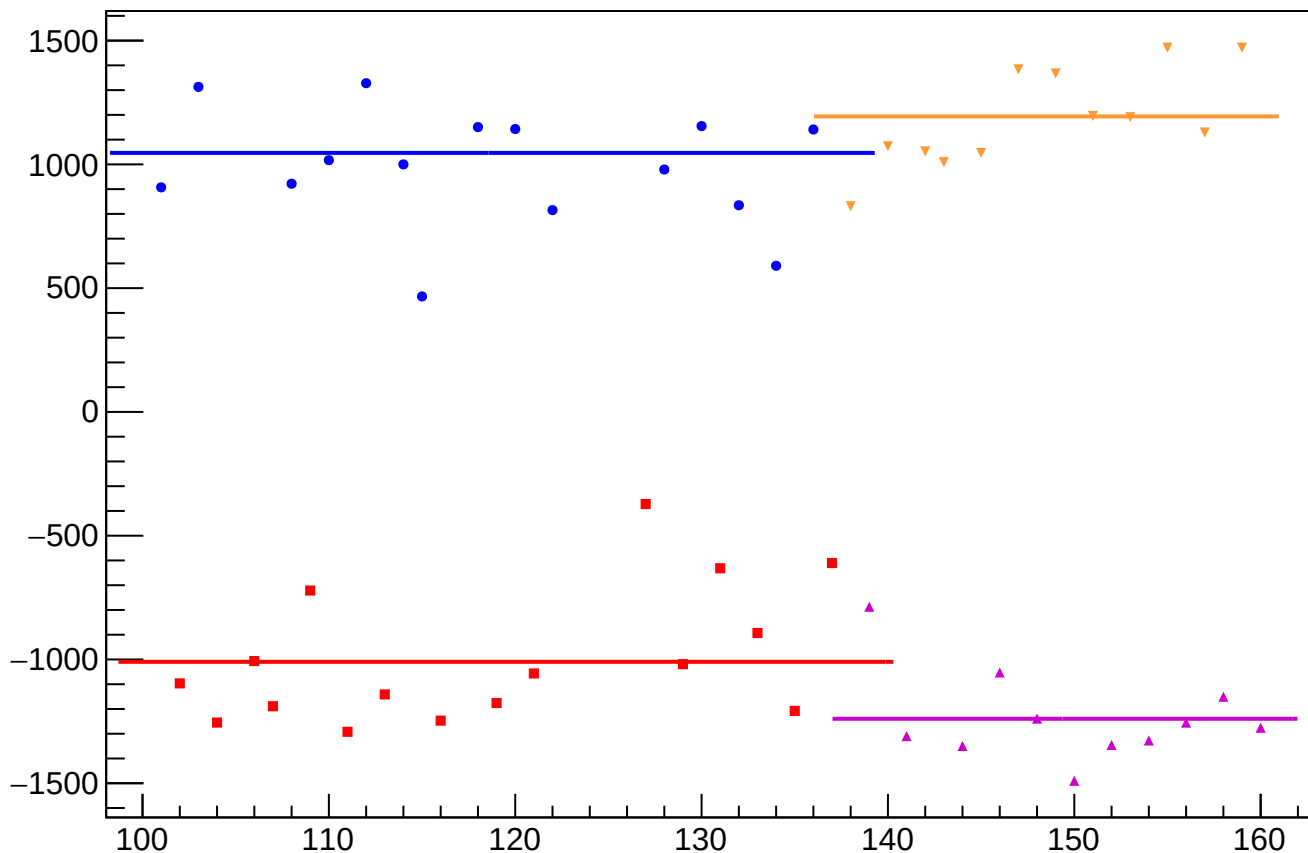
χ^2/NDF : 55223983268

dit_atl2_coil1_err_mean vs Slug, Sign Corrected



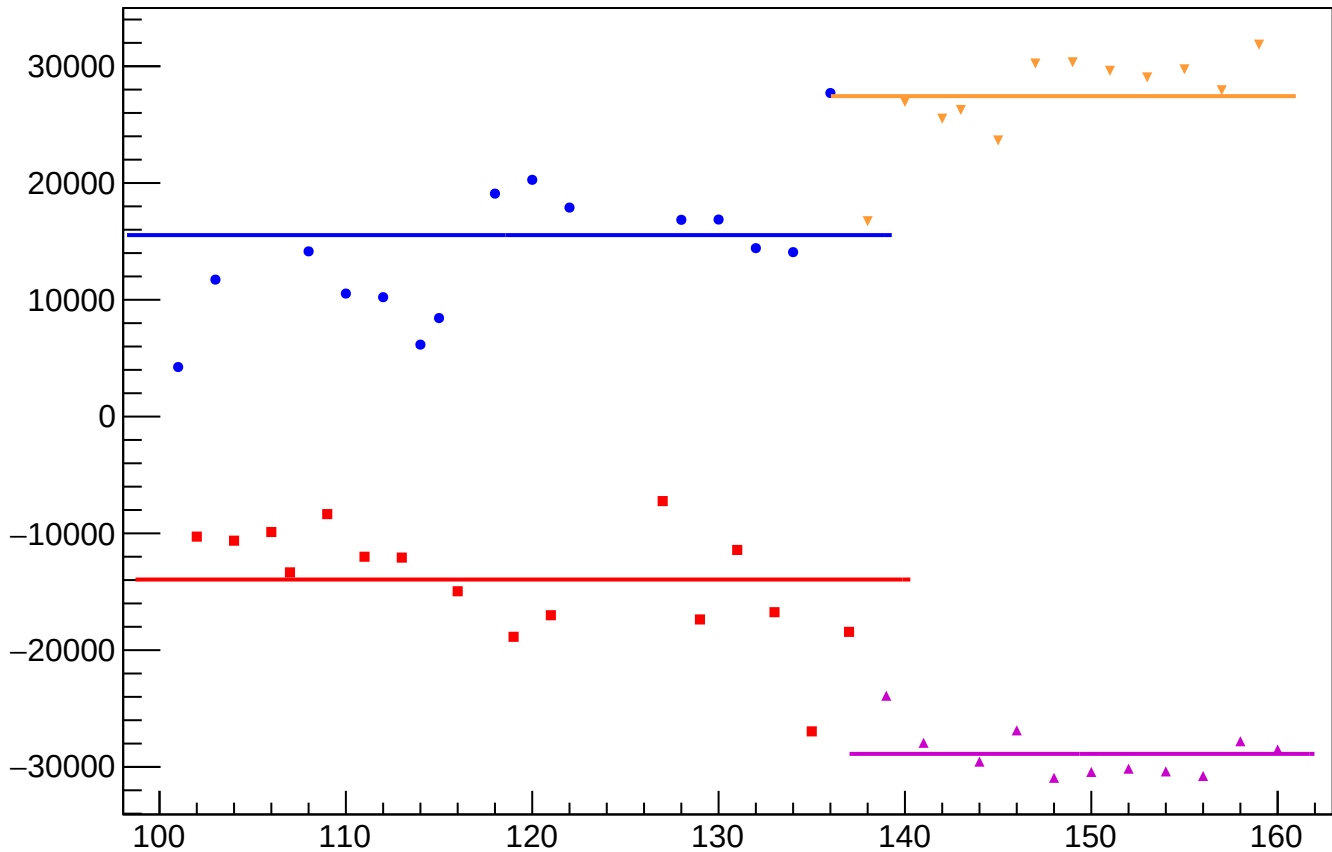
Right In: 1629.542 $\pm$ 0.000 χ^2 /NDF: 551738555355028902194697896437152219136.0/14
 Left Out: 3418.927 $\pm$ 0.000 χ^2 /NDF: 1575515144069936231955966928879934767104.0/11
 Right Out: -1510.293 $\pm$ 0.000 χ^2 /NDF: 688231904046816211321774524619745656832.0/15
 Left In: -3623.095 $\pm$ 0.000 χ^2 /NDF: 537714450371269509719141411292840984576.0/10
 All: -54.735 $\pm$ 0.000 χ^2 /NDF: 294015037802

dit_atl2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atr1_coil1_mean vs Slug, Sign Corrected



Right In: 15540.787+/-0.000

χ^2/NDF : 27383635886523601832377795383509714468864.0/14

Left Out: 27439.616+/-0.000

χ^2/NDF : 14247025908871725813351088668818926469120.0/11

Right Out: -13951.799+/-0.000

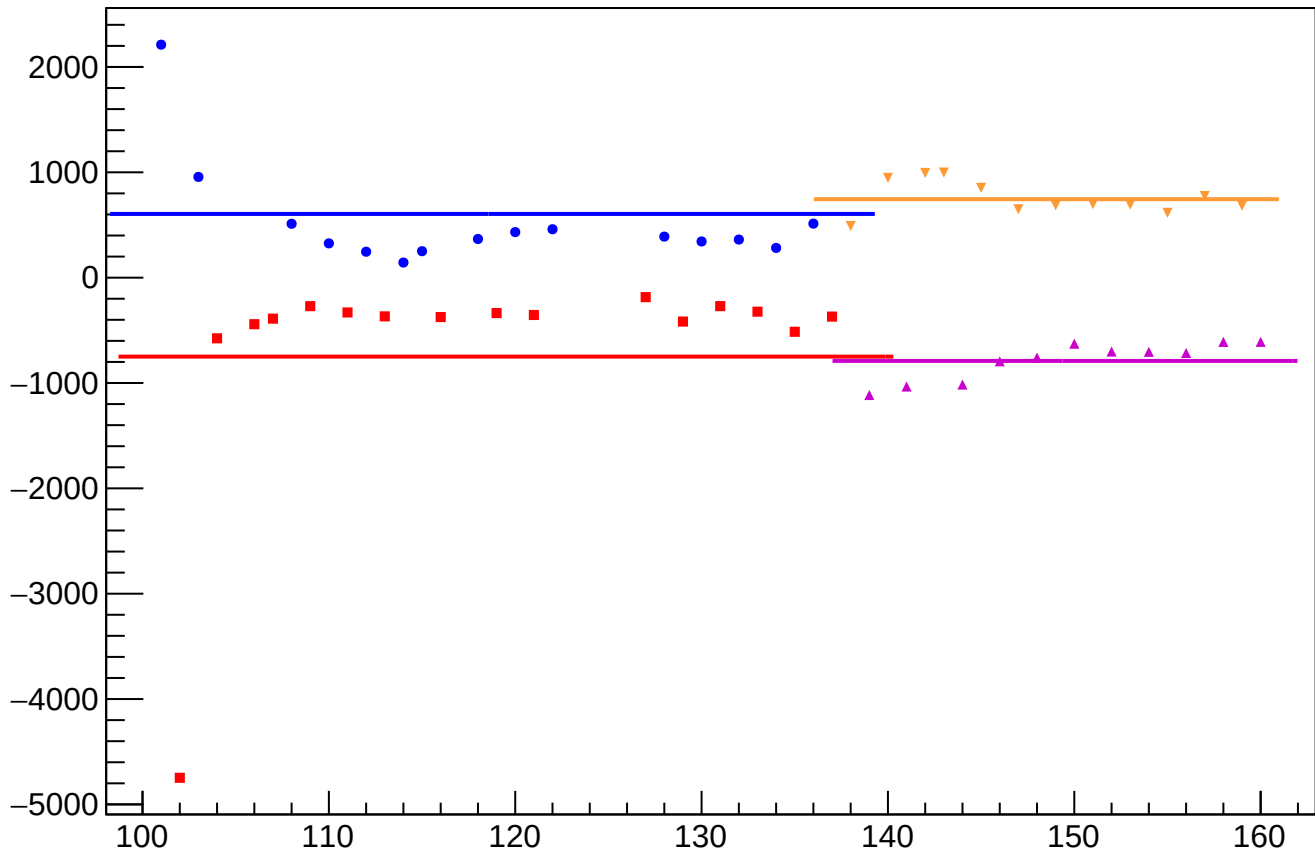
χ^2/NDF : 16954071035739584664612813430748100952064.0/15

Left In: -28881.771+/-0.000

χ^2/NDF : 3761764043421234560623243625754374701056.0/10

All: -262.152+/-0.000 χ^2/NDF : 18076481618

dit_atr1_coil1_err_mean vs Slug, Sign Corrected



Right In: 605.034 +/- 0.000

χ^2/NDF : 189401522791607614448600157723362852864.0/14

Left: -26.826 +/- 0.000 χ^2/NDF : 1129978912753072

Right: -81.538 +/- 0.000 χ^2/NDF : 181435748538570

Left Out: 744.985 +/- 0.000

χ^2/NDF : 19571453984278961719936247870544412672.0/11

In: -214.593 +/- 0.000 χ^2/NDF : 9589997746321814

Right Out: -749.582 +/- 0.000

χ^2/NDF : 1021358768377495935693748779804344188928.0/15

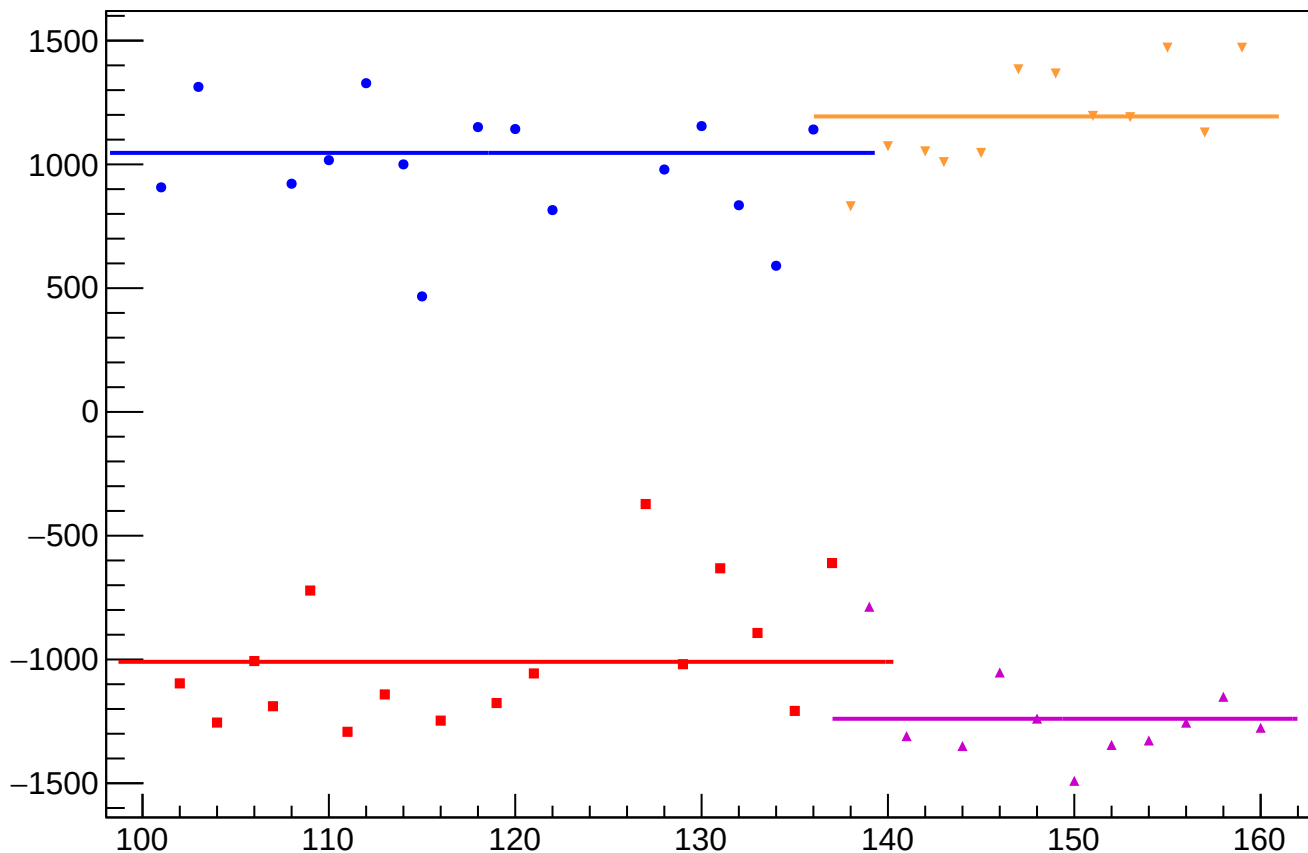
Out: 114.449 +/- 0.000 χ^2/NDF : 1902262791506616

Left In: -790.283 +/- 0.000

χ^2/NDF : 27375995163011560101349166949437800448.0/10

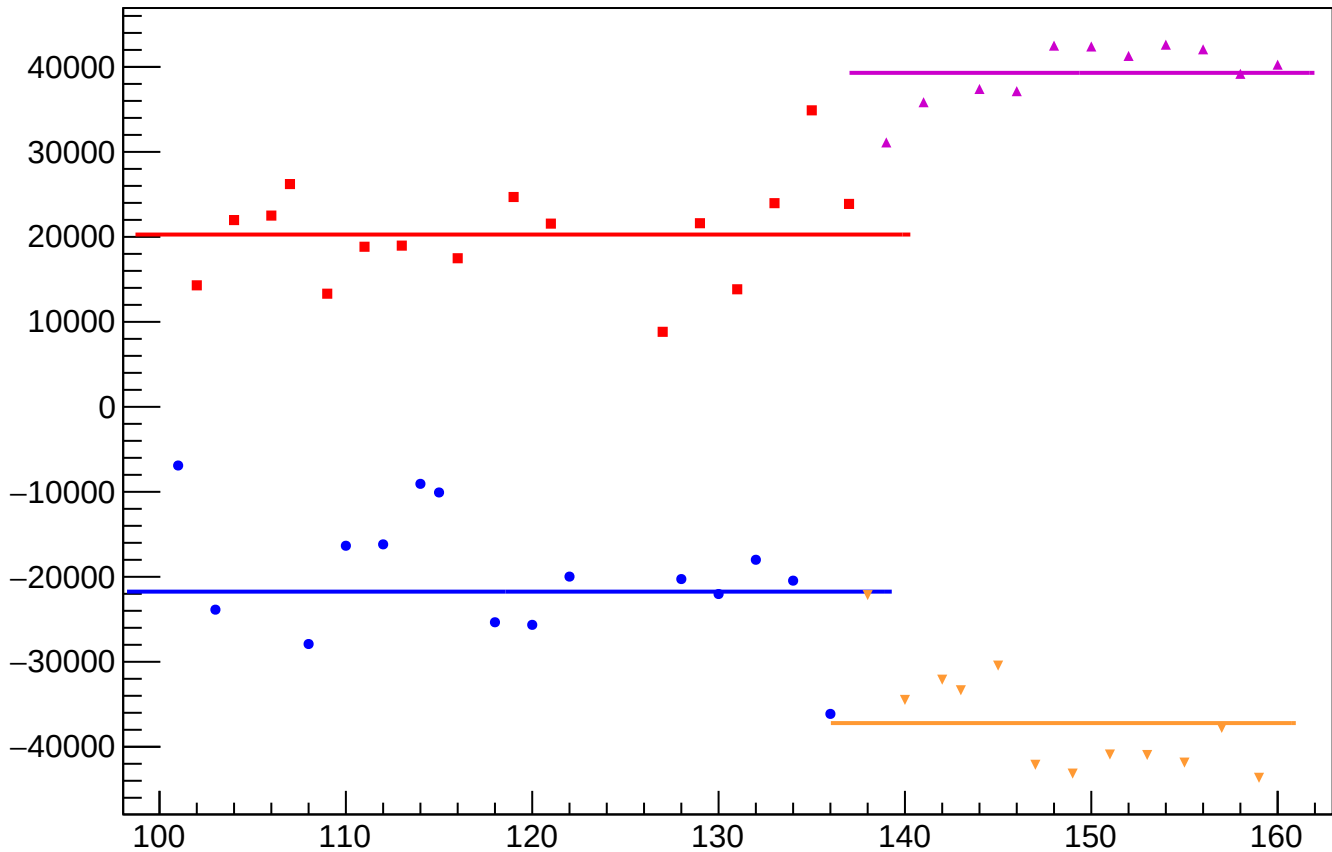
All: -49.654 +/- 0.000 χ^2/NDF : 294663207457

dit_atr1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atr2_coil1_mean vs Slug, Sign Corrected



Right In: -21743.360+/-0.000

Left Out: -37210.761+/-0.000

Right Out: 20275.415+/-0.000

Left In: 39301.203+/-0.000

χ^2/NDF : 41106858823579527325198675675398793068544.0/14

χ^2/NDF : 36234813568101266501920845904945520574464.0/11

χ^2/NDF : 25935869132092920231681532417627320745984.0/15

χ^2/NDF : 10890557195828480655850873156116452212736.0/10

Left: 1253.360+/-0.000 χ^2/NDF : 273699578436603

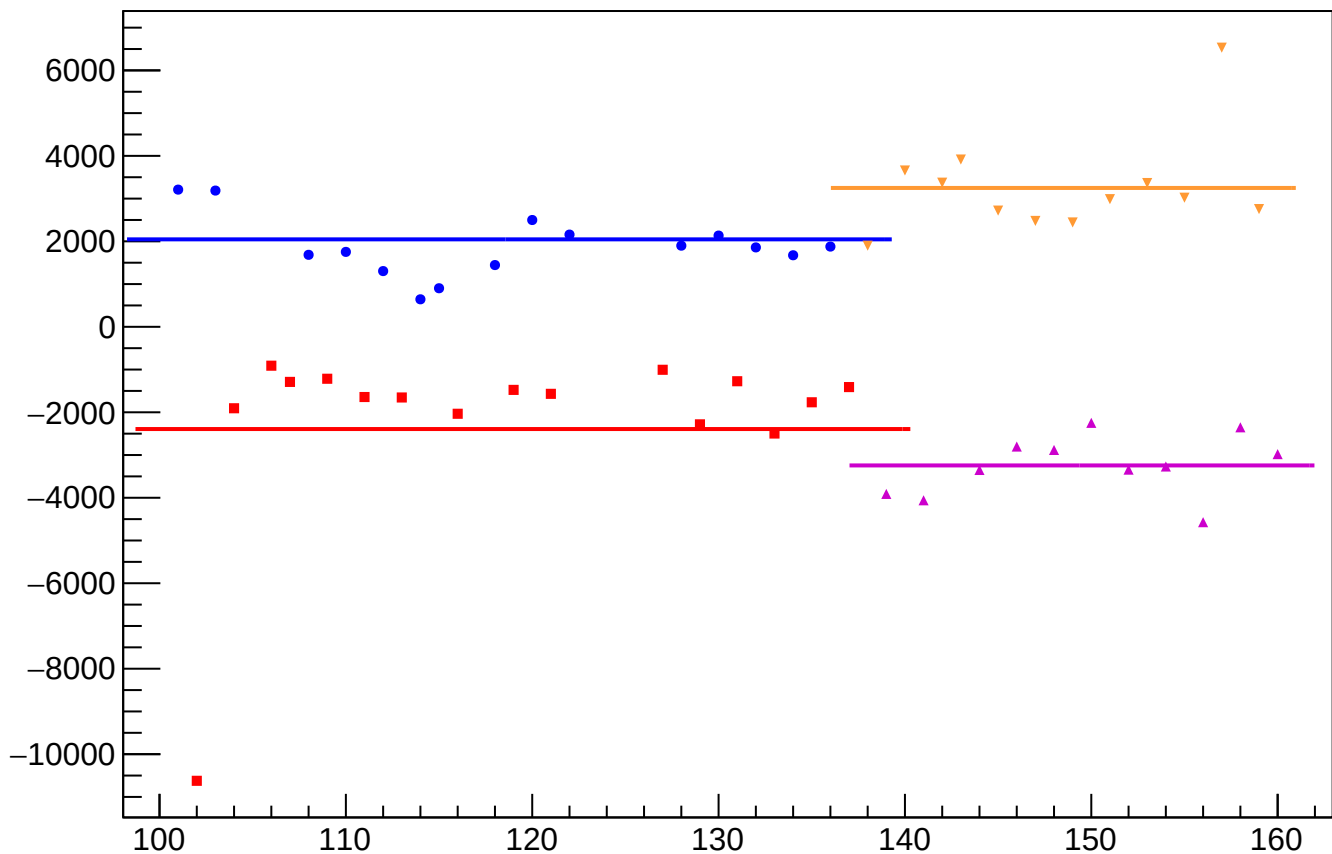
Right: -446.610+/-0.000 χ^2/NDF : 64780902874572

In: 14114.985+/-0.000 χ^2/NDF : 147263048816292

Out: -12958.212+/-0.000 χ^2/NDF : 1336456927560

All: 544.051+/-0.000 χ^2/NDF : 338702108163

dit_atr2_coil1_err_mean vs Slug, Sign Corrected



Right In: 2046.354+/-0.000

χ^2/NDF : 266555515927348892036833058355226345472.0/14

Left Out: 3249.314+/-0.000

χ^2/NDF : 1190726211956001849078073092083852247040.0/11

Right Out: -2391.939+/-0.000

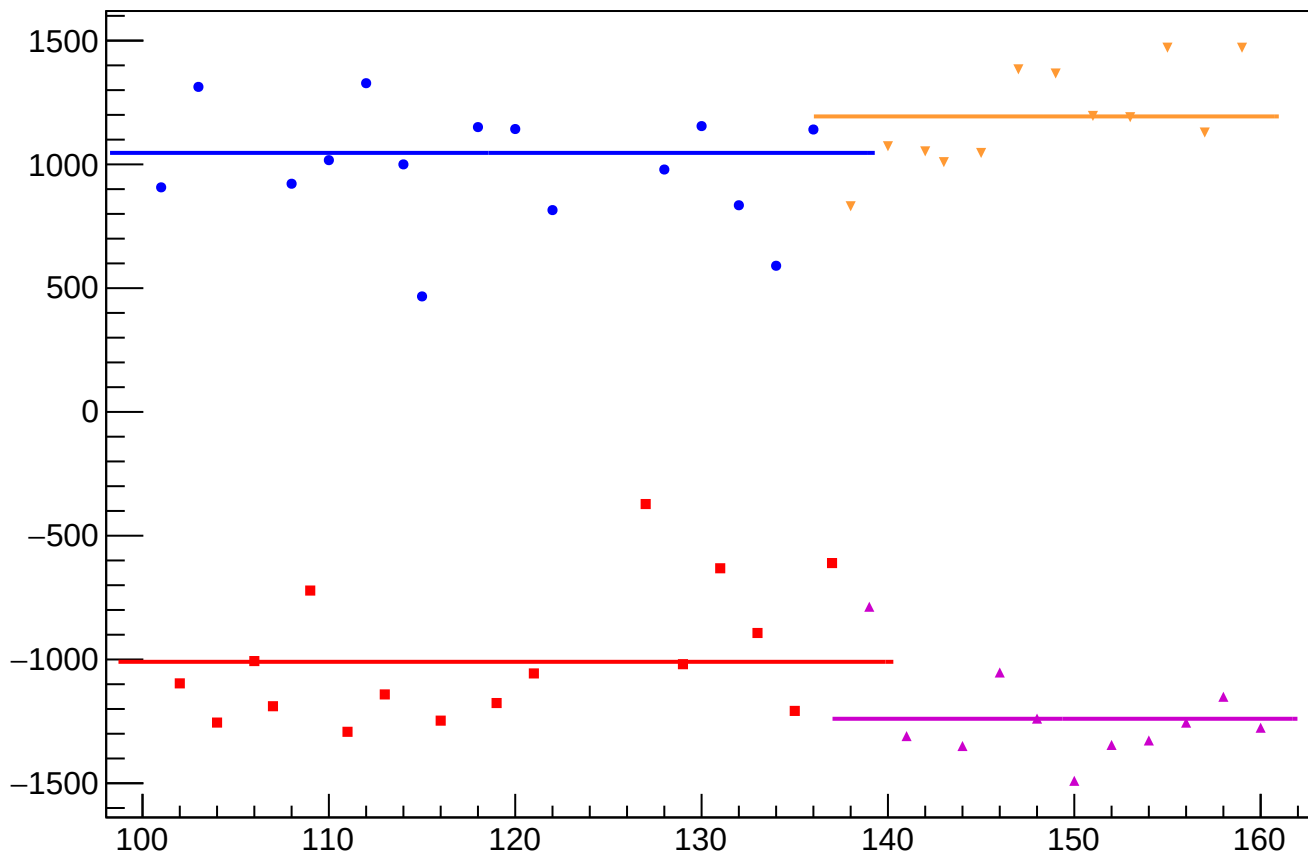
χ^2/NDF : 4415294964789778815259357544579499819008.0/15

Left In: -3243.479+/-0.000

χ^2/NDF : 422752345809564414875941115453230809088.0/10

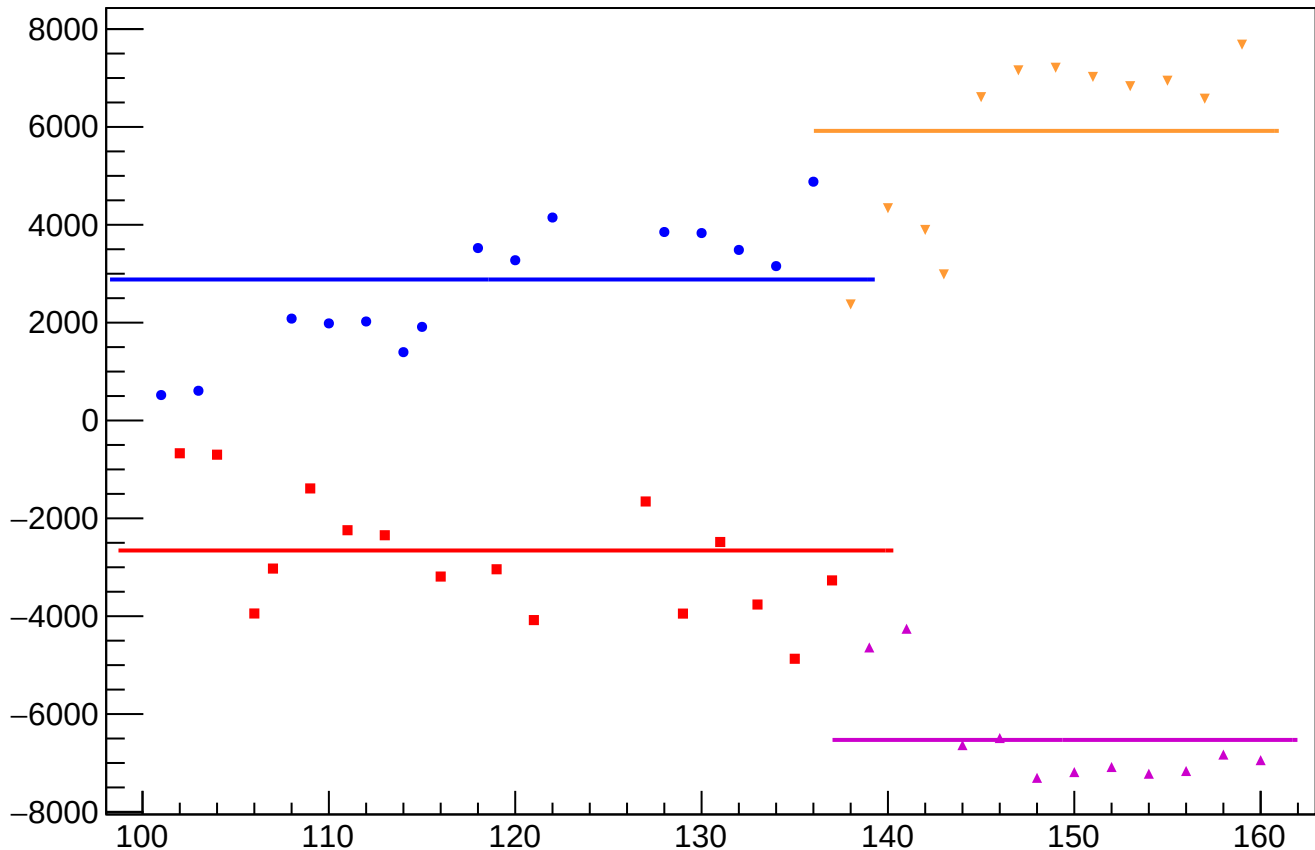
All: -93.355+/-0.000 χ^2/NDF : 321724014891

dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected



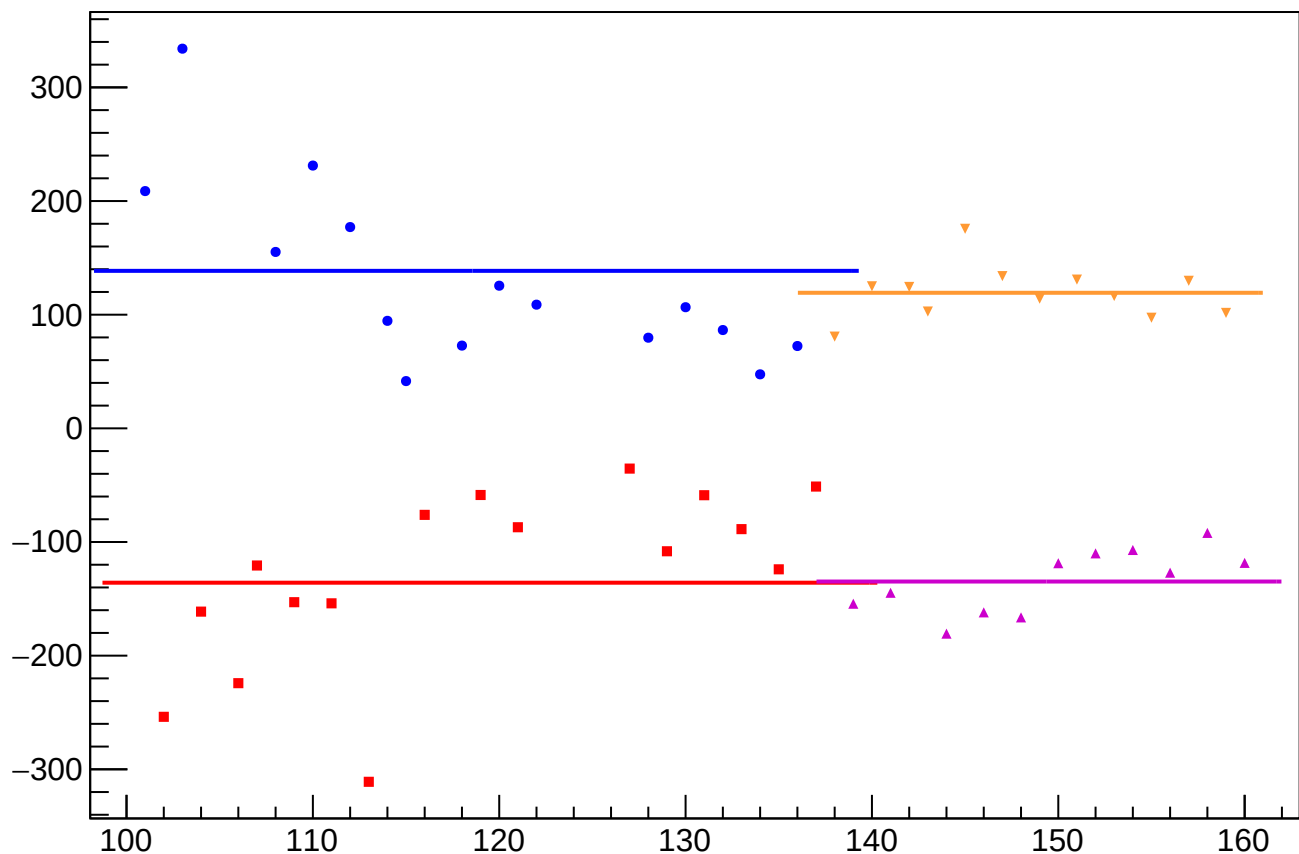
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam1_coil1_mean vs Slug, Sign Corrected



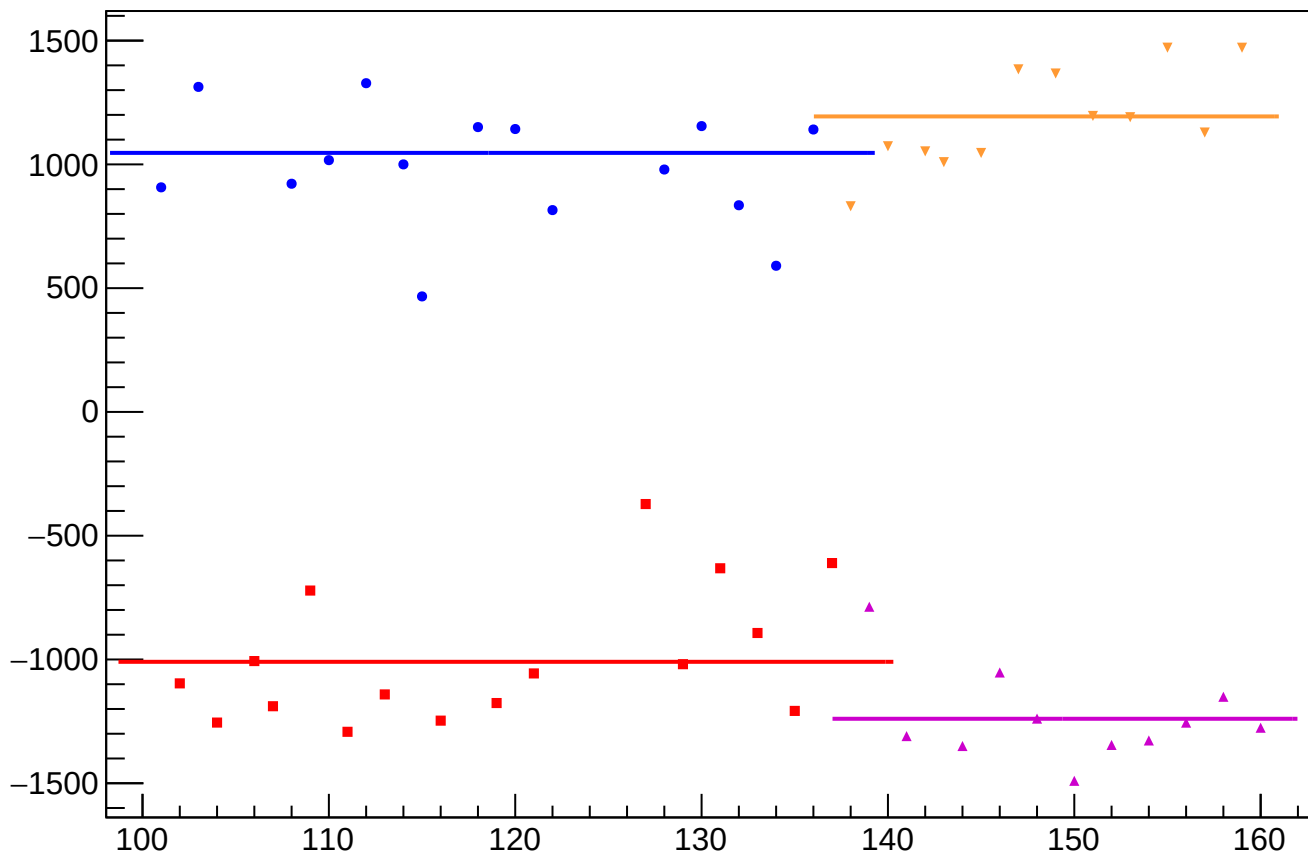
Right In: 2881.935+/-0.000 χ^2/NDF : 1320319391496525533692082365878834823168.0/14
 Left Out: 5919.511+/-0.000 χ^2/NDF : 2779072700024845827027981240176985767936.0/11
 Right Out: -2656.918+/-0.000 χ^2/NDF : 1077696846216053561130716877125509447680.0/15
 Left In: -6528.681+/-0.000 χ^2/NDF : 940619832290547661204641528694924378112.0/10
 All: -166.093+/-0.000 χ^2/NDF : 87540894065

dit_sam1_coil1_err_mean vs Slug, Sign Corrected



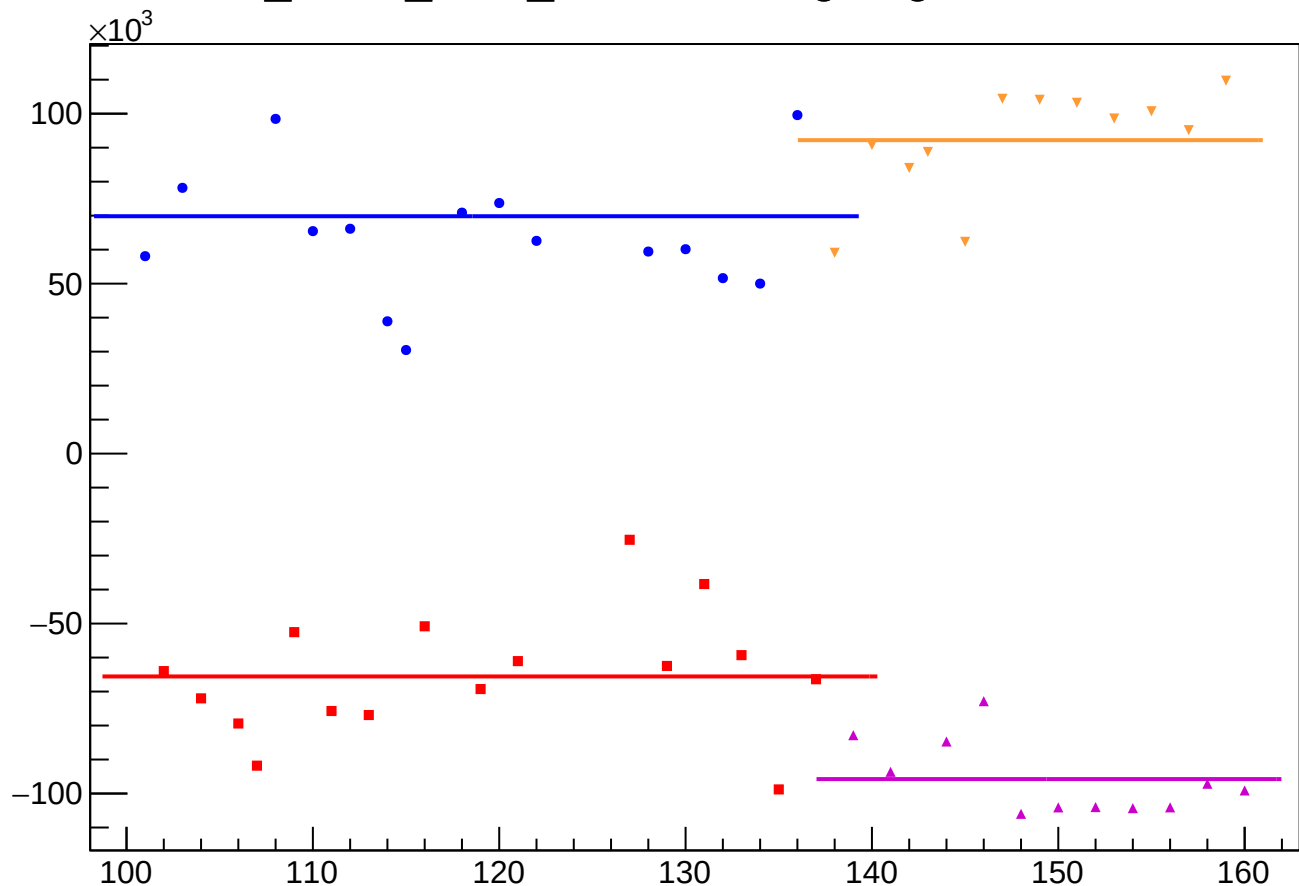
Left: -8.443 ± 0.000 $\chi^2/\text{NDF}: 30837594704815501$
 Right In: 138.577 ± 0.000 $\chi^2/\text{NDF}: 4242369889979811373883774021335515136.0/14$
 Right: -0.492 ± 0.000 $\chi^2/\text{NDF}: 3296375379571767$
 Left Out: 119.282 ± 0.000 $\chi^2/\text{NDF}: 487845779395217879153815293985292288.0/11$
 In: -21.999 ± 0.000 $\chi^2/\text{NDF}: 33420435655866245$
 Right Out: -135.809 ± 0.000 $\chi^2/\text{NDF}: 3956401741862524263243160868173643776.0/15$
 Out: 11.663 ± 0.000 $\chi^2/\text{NDF}: 29535896090786564$
 Left In: -134.785 ± 0.000 $\chi^2/\text{NDF}: 689808602632315539029860685392642048.0/10$
 All: -5.125 ± 0.000 $\chi^2/\text{NDF}: 6384982584601$

dit_sam1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam2_coil1_mean vs Slug, Sign Corrected



Right In: 69827.797 $\pm$ 0.000

χ^2 /NDF: 187803282116493131197684060541288926150656.0/14

Left Out: 92210.698 $\pm$ 0.000

χ^2 /NDF: 226577476657807585202083767685360289579008.0/11

Right Out: -65555.147 $\pm$ 0.000

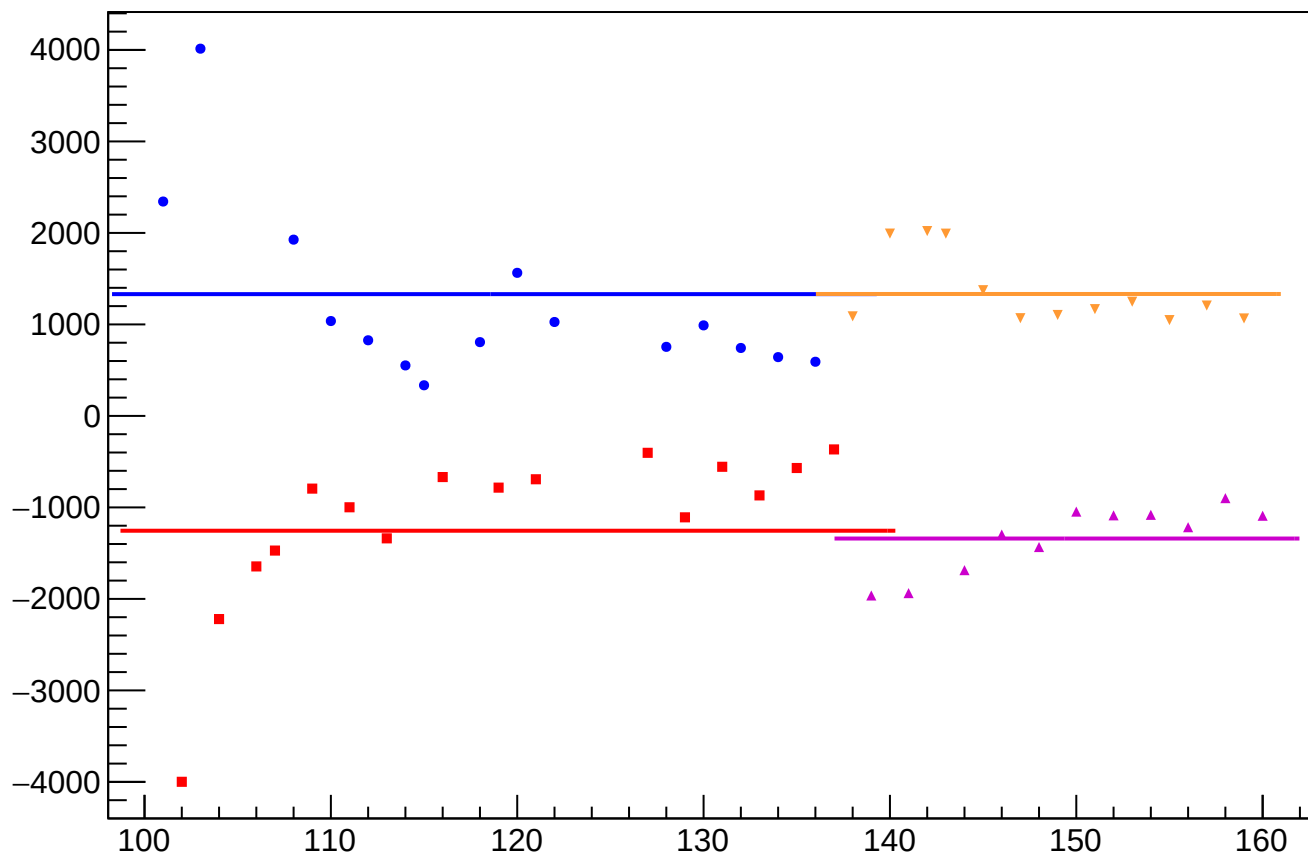
χ^2 /NDF: 212001467811386750910625783195999741673472.0/15

Left In: -95749.411 $\pm$ 0.000

χ^2 /NDF: 102376761881530271427340284738693826084864.0/10

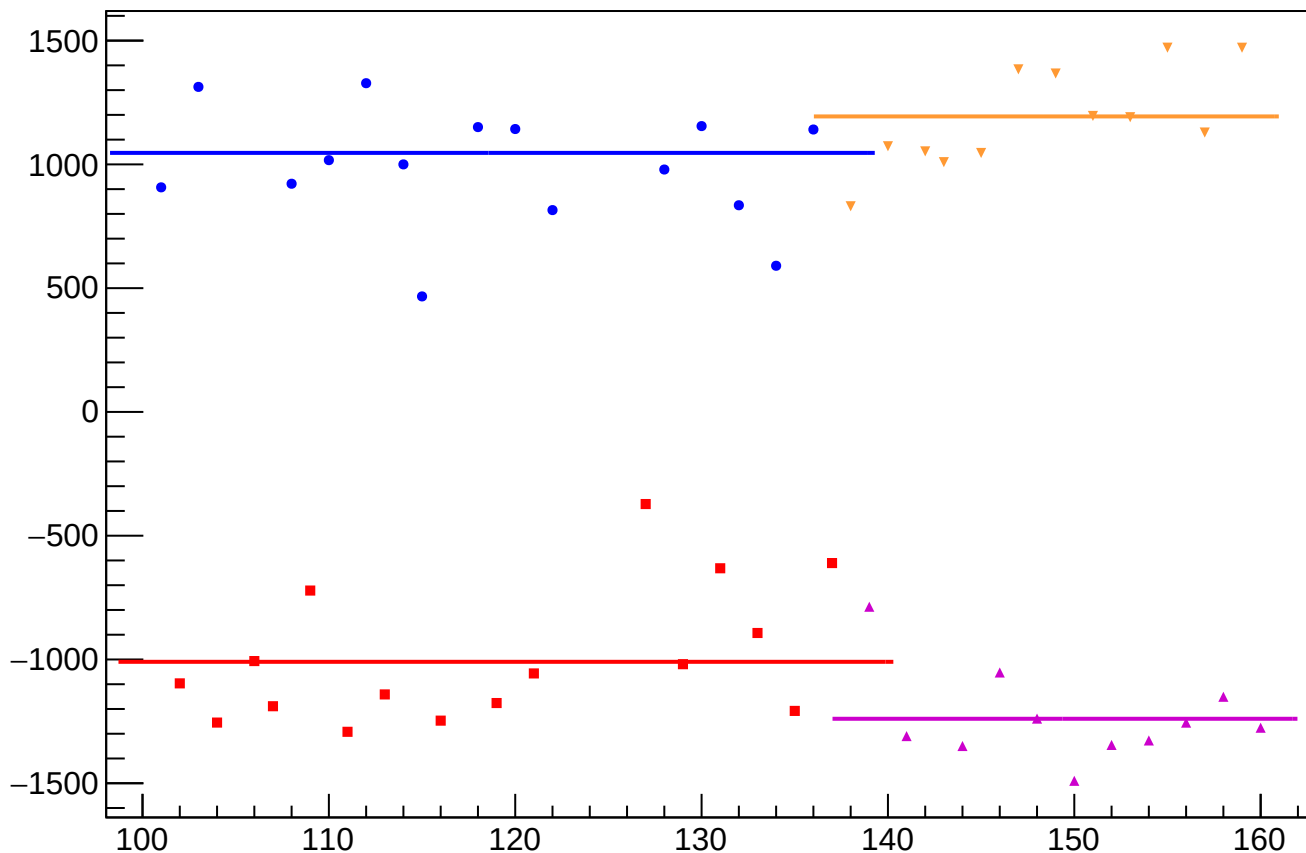
All: -824.008 $\pm$ 0.000 χ^2 /NDF: 23000264296

dit_sam2_coil1_err_mean vs Slug, Sign Corrected



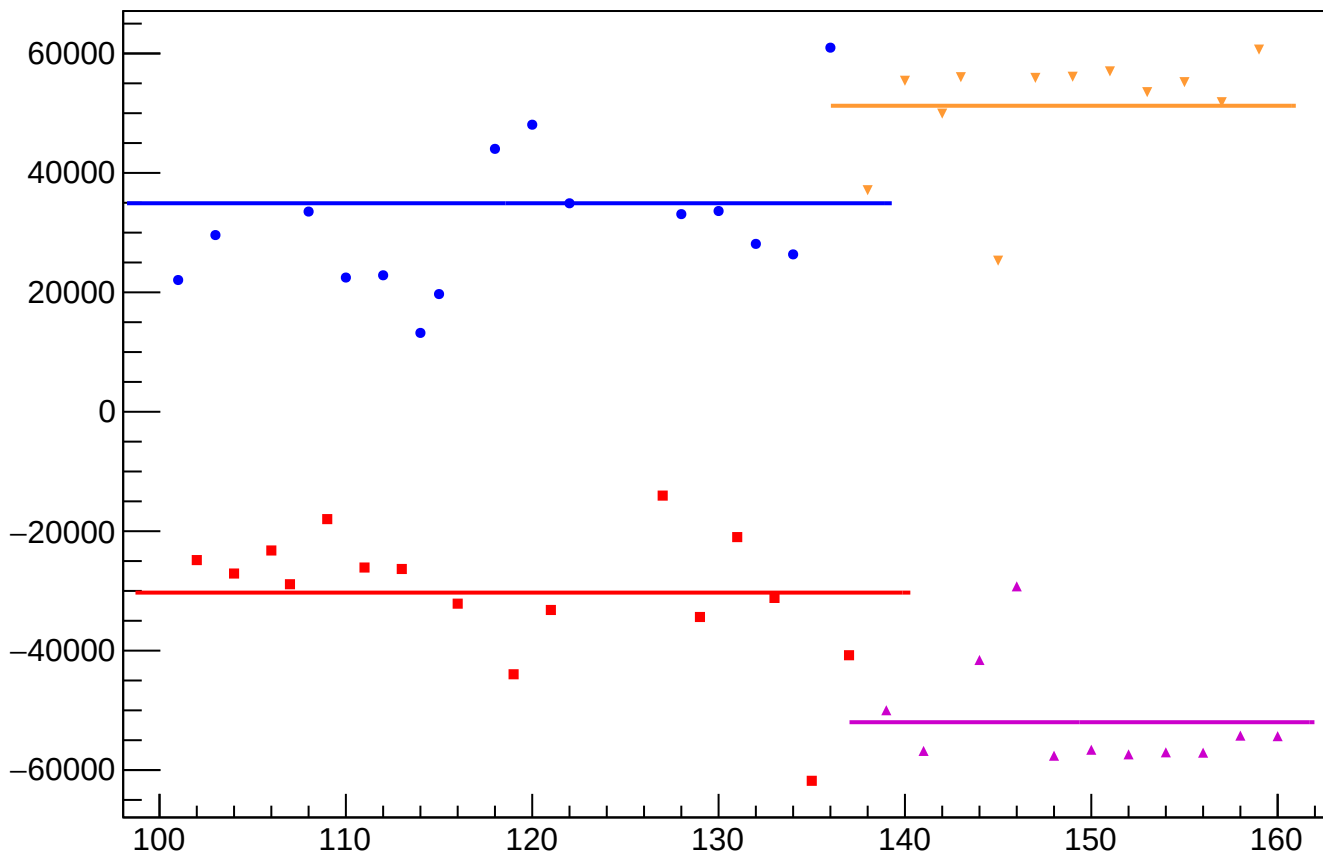
Right In: 1330.956+/-0.000 χ^2/NDF : 649481263842681659449409147059572834304.0/14
 Left Out: 1332.669+/-0.000 χ^2/NDF : 117488793251165999850417206895273050112.0/11
 Right Out: -1254.871+/-0.000 χ^2/NDF : 632140068983304062809817716800861765632.0/15
 Left In: -1340.185+/-0.000 χ^2/NDF : 114204911168201277023830767366477709312.0/10
 All: 2.067+/-0.000 χ^2/NDF : 69961590530550

dit_sam2_coil1_Ndata_mean vs Slug, Sign Corrected



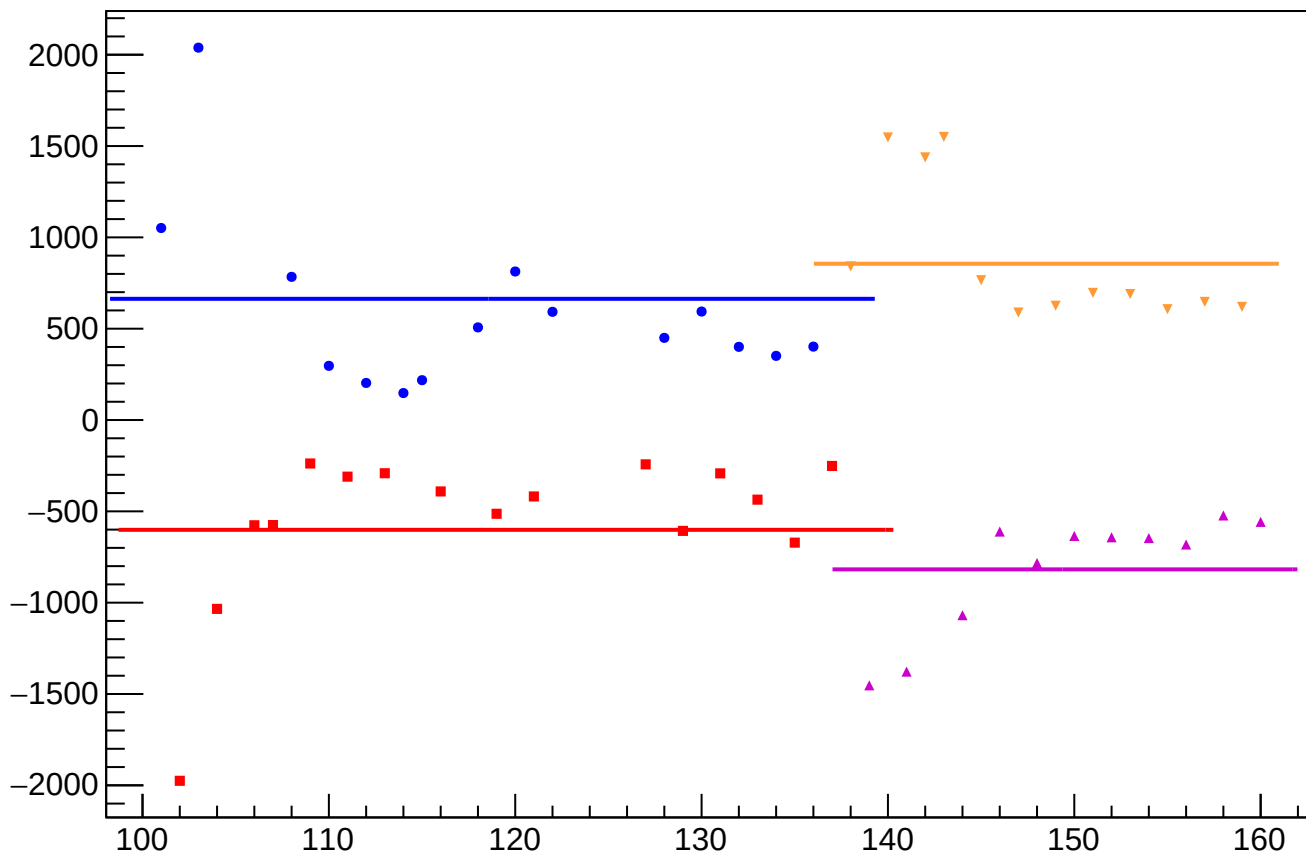
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam3_coil1_mean vs Slug, Sign Corrected



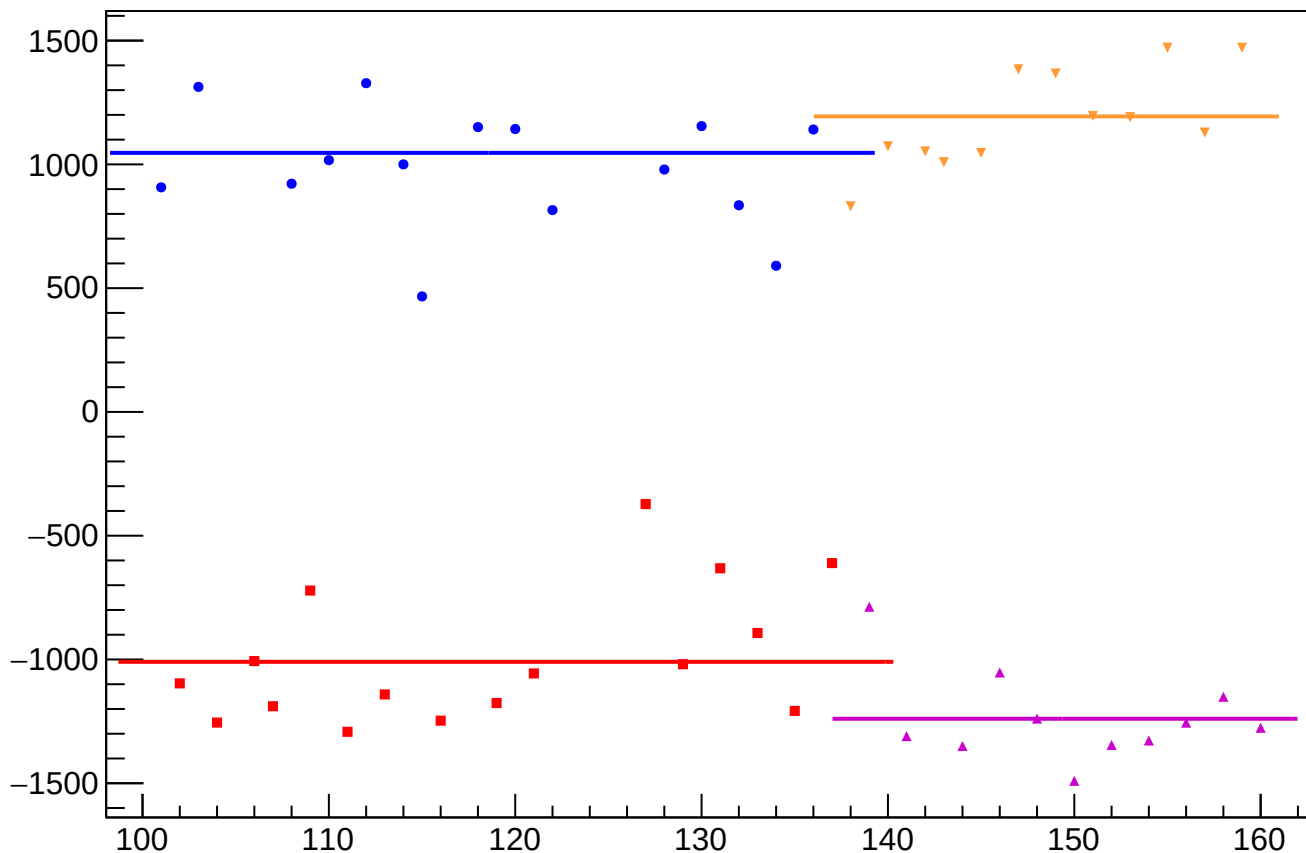
Right In: 34919.716+/-0.000 χ^2/NDF : 106387385440718622155122541848729997017088.0/14
 Left Out: 51246.568+/-0.000 χ^2/NDF : 86168540614102445062046954668602534395904.0/11
 Right Out: -30282.373+/-0.000 χ^2/NDF : 88346165266593126627598951693506073067520.0/15
 Left In: -51985.374+/-0.000 χ^2/NDF : 67172587579518863379504132116294676774912.0/10
 All: 402.483+/-0.000 χ^2/NDF : 664804674092

dit_sam3_coil1_err_mean vs Slug, Sign Corrected



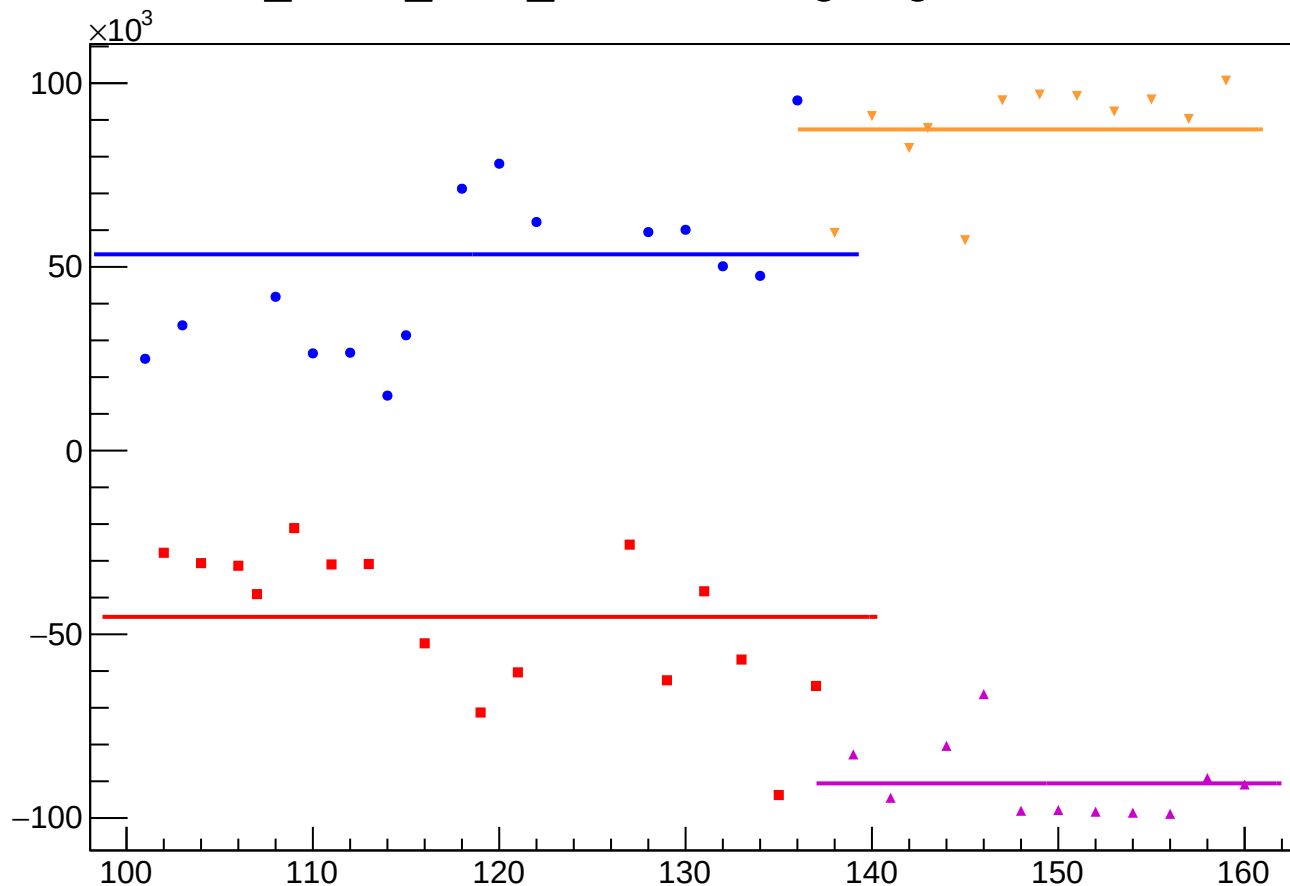
Left: 14.433 ± 0.000 $\chi^2/\text{NDF}: 14918307802218483$
 Right: 22.529 ± 0.000 $\chi^2/\text{NDF}: 8336101395091641$
 In: -206.520 ± 0.000 $\chi^2/\text{NDF}: 1084558135298016$
 Out: 241.007 ± 0.000 $\chi^2/\text{NDF}: 1083013180112686$
 All: 17.811 ± 0.000 $\chi^2/\text{NDF}: 2325491183866$

dit_sam3_coil1_Ndata_mean vs Slug, Sign Corrected



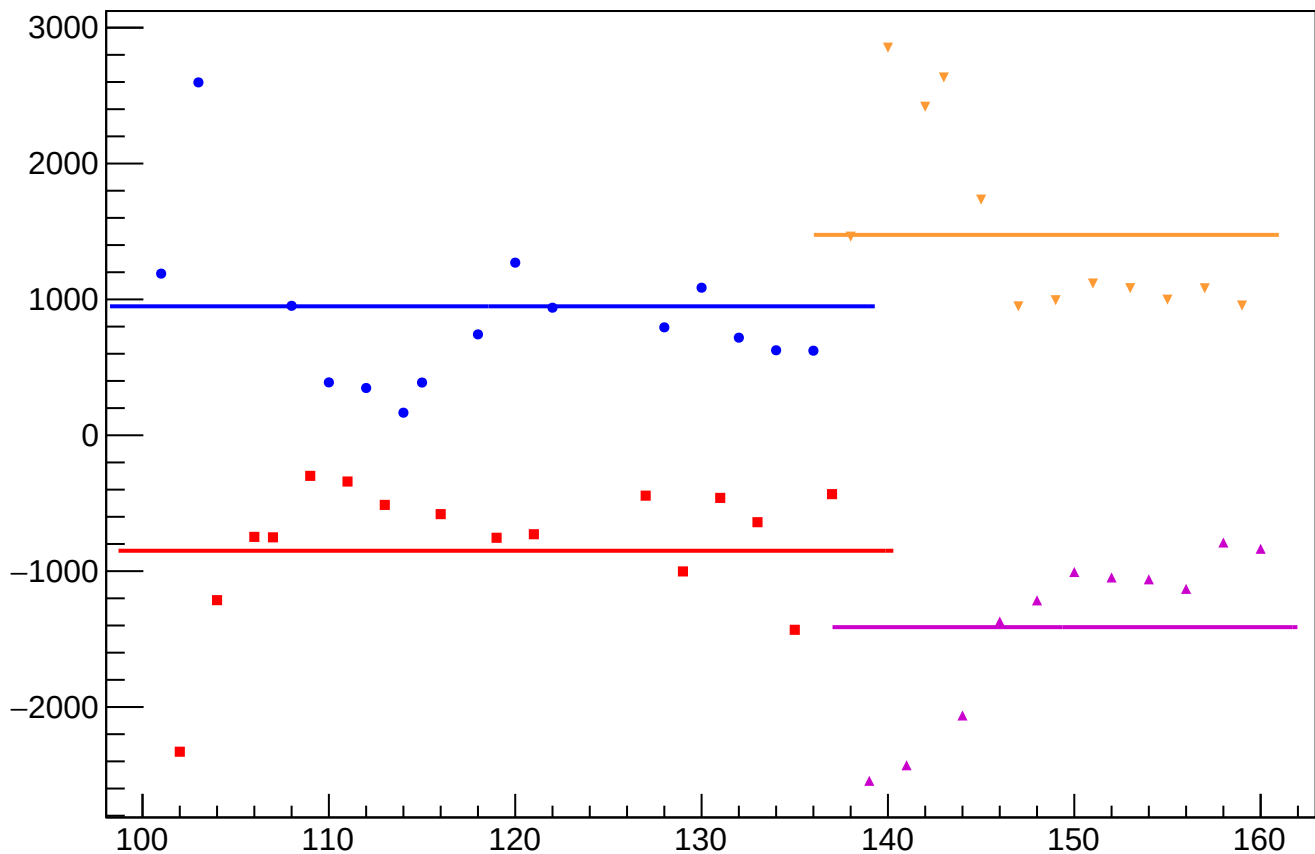
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam4_coil1_mean vs Slug, Sign Corrected



Right In: 53422.452+/-0.000 χ^2/NDF : 360635757315133800133751123167777346551808.0/14
 Left Out: 87421.965+/-0.000 χ^2/NDF : 176009447933973172298765808269588074332160.0/11
 Right Out: -45247.617+/-0.000 χ^2/NDF : 286060196488034430215784613374055547928576.0/15
 Left In: -90573.760+/-0.000 χ^2/NDF : 90574081394354221593949262312406685581312.0/10
 All: 223.377+/-0.000 χ^2/NDF : 186963897473

dit_sam4_coil1_err_mean vs Slug, Sign Corrected



Right In: 949.197+/-0.000

χ^2/NDF : 225691032183153732733308094067658194944.0/14

Left Out: 1474.996+/-0.000

χ^2/NDF : 407776279141254062636078508853738602496.0/11

Right Out: -849.827+/-0.000

χ^2/NDF : 204622224261577247702227312745197338624.0/15

Left In: -1412.186+/-0.000

χ^2/NDF : 332529390934897118157875972661756035072.0/10

Left: 23.551+/-0.000 χ^2/NDF : 45705013574232363

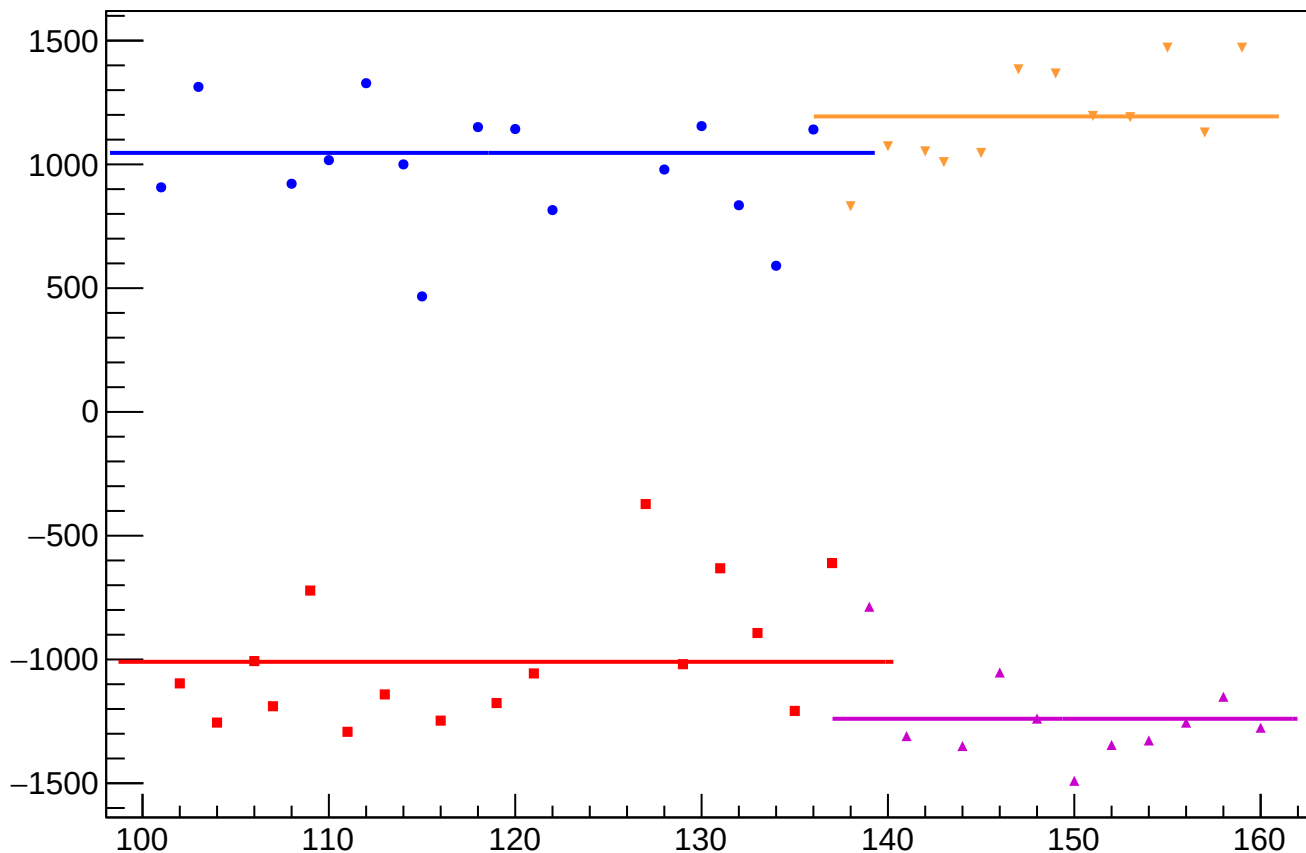
Right: 37.382+/-0.000 χ^2/NDF : 1494917928354426

In: -437.909+/-0.000 χ^2/NDF : 2684013086565036

Out: 494.188+/-0.000 χ^2/NDF : 2696503915470133

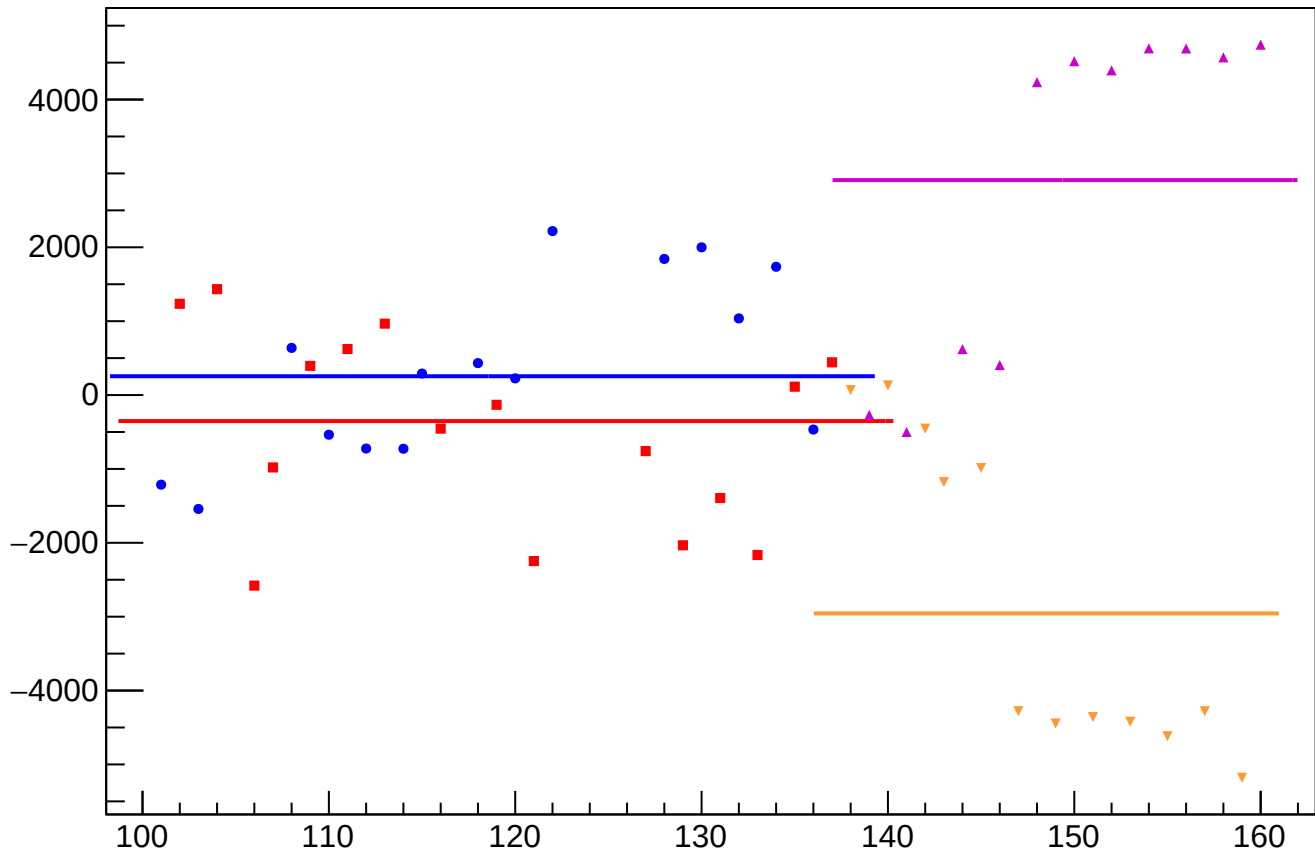
All: 29.322+/-0.000 χ^2/NDF : 6065565997163

dit_sam4_coil1_Ndata_mean vs Slug, Sign Corrected



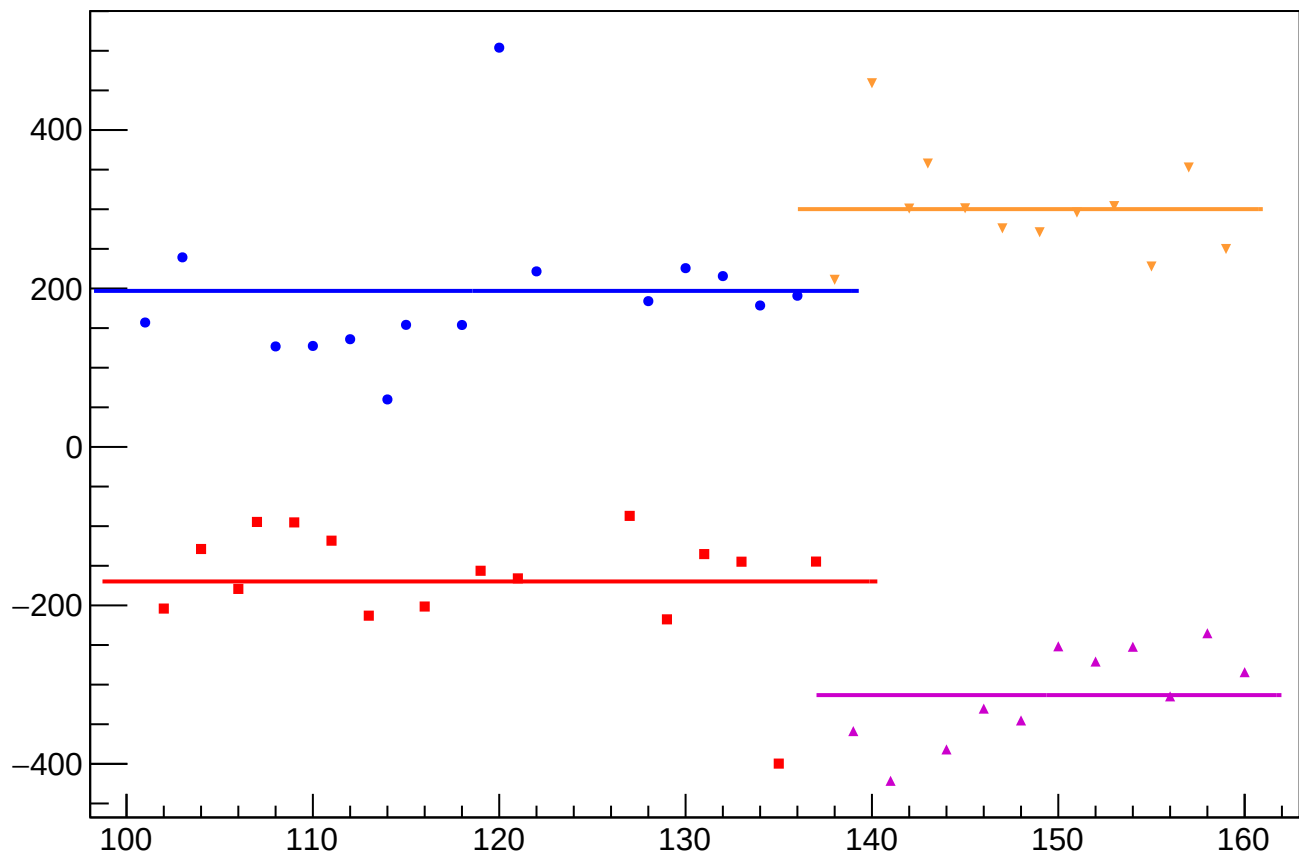
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam5_coil1_mean vs Slug, Sign Corrected



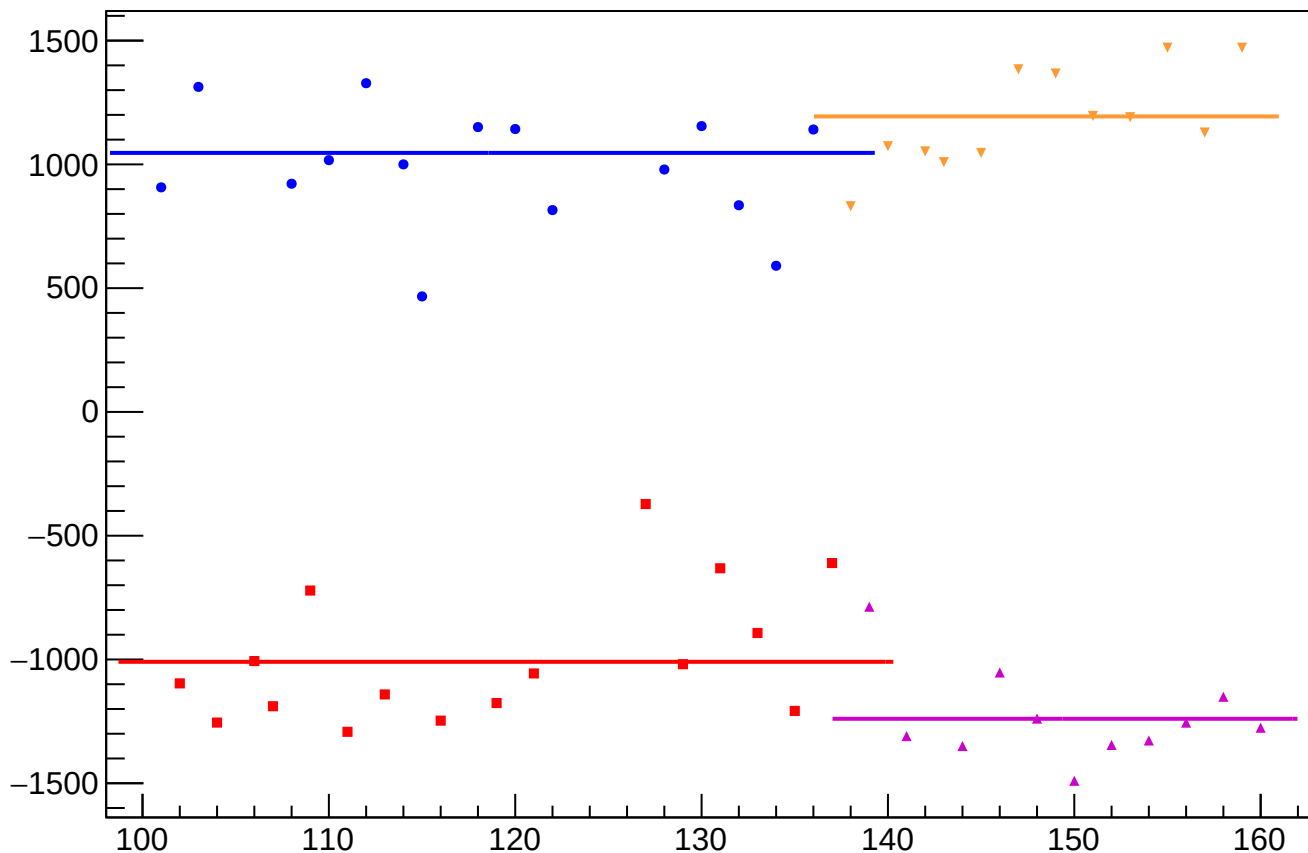
Right In: 254.578+/-0.000 χ^2/NDF : 978402113531006640741569223967249530880.0/14
 Left Out: -2955.997+/-0.000 χ^2/NDF : 3707818280907677847342876591435129290752.0/11
 Right Out: -352.308+/-0.000 χ^2/NDF : 1100813647101508513447529068154010468352.0/15
 Left In: 2909.545+/-0.000 χ^2/NDF : 4377323512278558404902073126276443406336.0/10
 All: -26.357+/-0.000 χ^2/NDF : 260955494544

dit_sam5_coil1_err_mean vs Slug, Sign Corrected



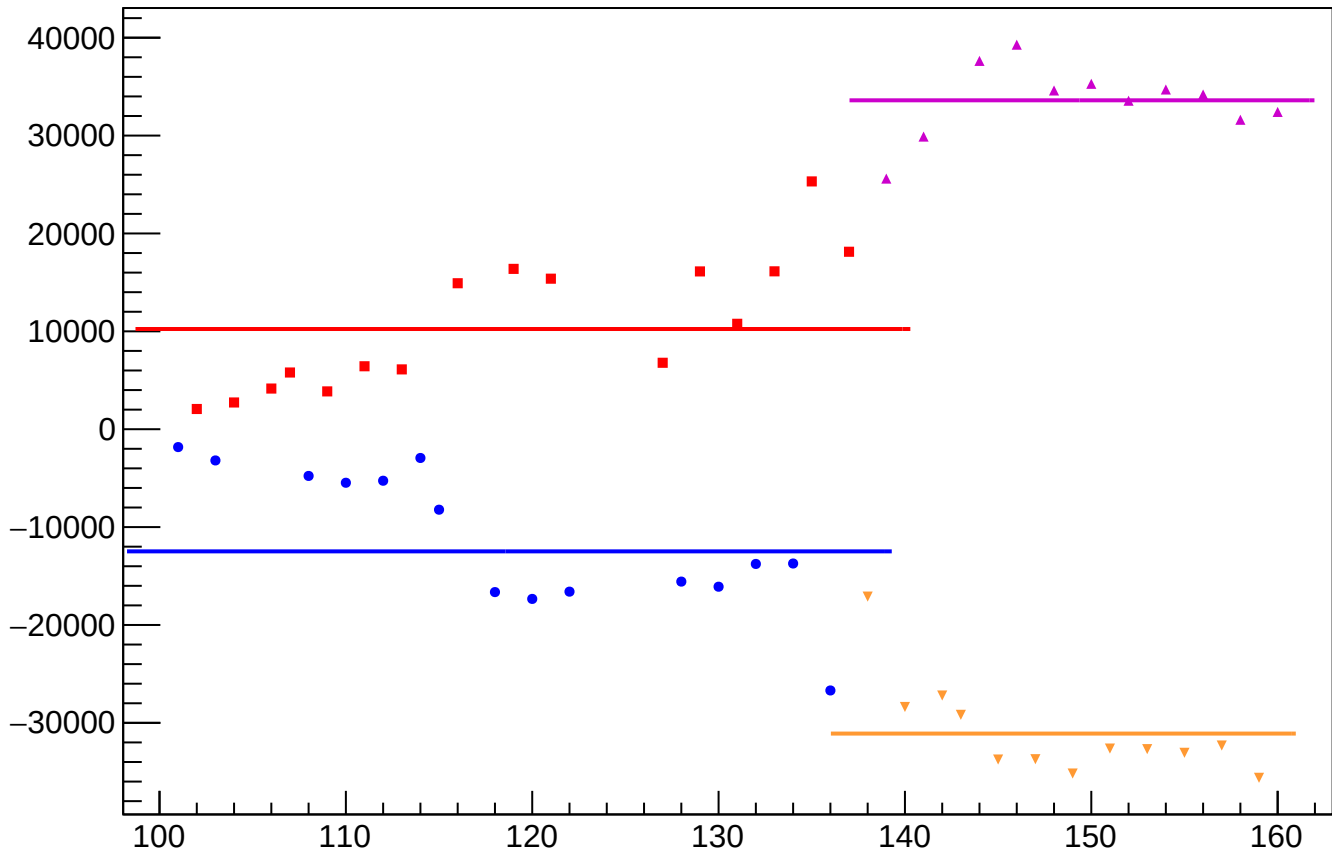
Right In: 196.955+/-0.000	χ^2/NDF : 4485245160329657914621372425838788608.0/14	Left: -8.206+/-0.000	χ^2/NDF : 17982757813530948
Left Out: 300.154+/-0.000	χ^2/NDF : 3873021428685352941137053448690204672.0/11	Right: 11.081+/-0.000	χ^2/NDF : 5261792058222240
Right Out: -169.778+/-0.000	χ^2/NDF : 3892609445494845784493558646385410048.0/15	In: -102.733+/-0.000	χ^2/NDF : 1067935716569052
Left In: -313.228+/-0.000	χ^2/NDF : 3079061701843560714774529768142405632.0/10	Out: 101.896+/-0.000	χ^2/NDF : 9292051689915049
	All: -0.159+/-0.000		χ^2/NDF : 2327307530740

dit_sam5_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam6_coil1_mean vs Slug, Sign Corrected



Right In: -12479.653+/-0.000

Left Out: -31096.364+/-0.000

Right Out: 10238.098+/-0.000

Left In: 33603.125+/-0.000

χ^2/NDF : 41178633231253805317353333973475271901184.0/14

χ^2/NDF : 21759430970673179273891990313759368282112.0/11

χ^2/NDF : 31227861126159534031961501923223718068224.0/15

χ^2/NDF : 11377877741280377988076632069746943066112.0/10

Left: 1429.385+/-0.000 χ^2/NDF : 19565583595098

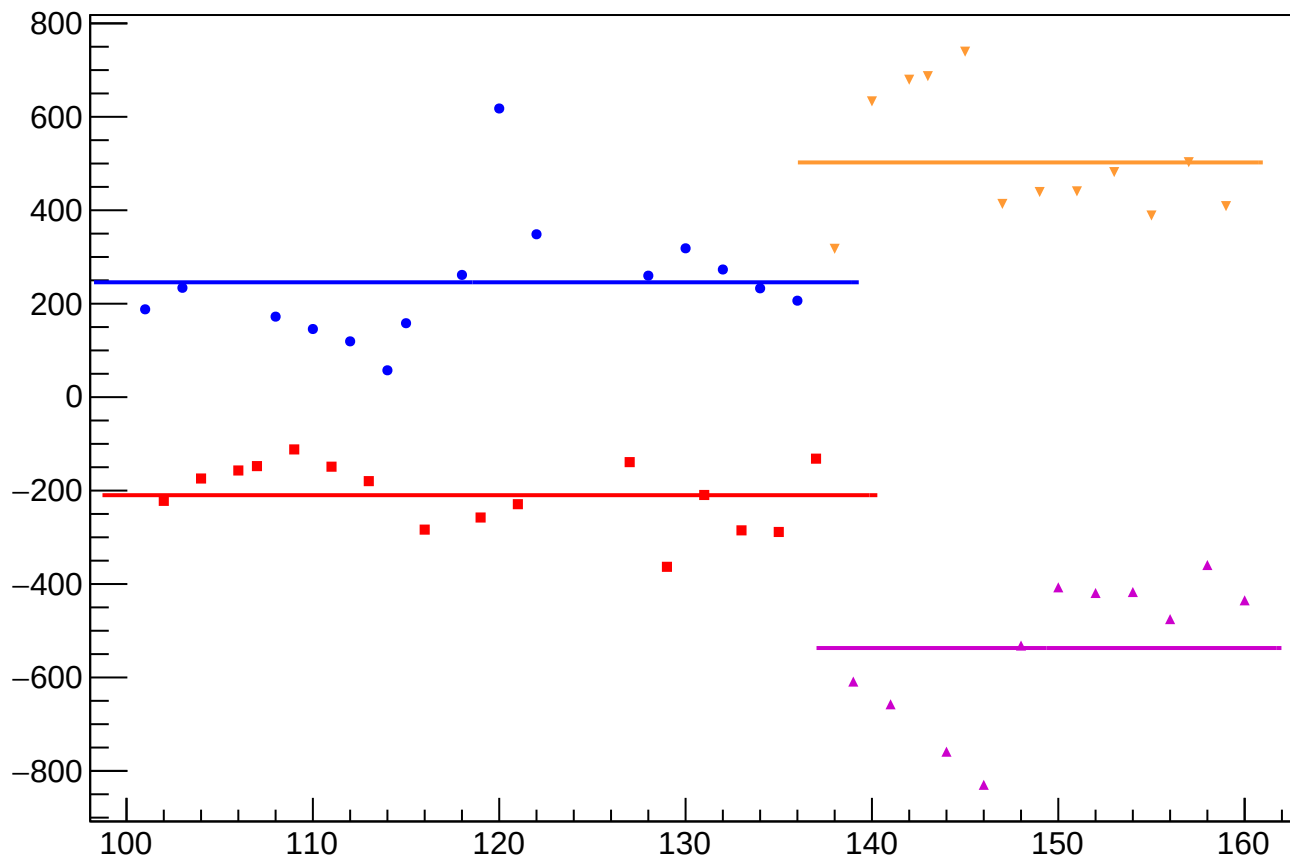
Right: -965.413+/-0.000 χ^2/NDF : 24217037814564

In: 14589.951+/-0.000 χ^2/NDF : 862146721459062

Out: -13657.980+/-0.000 χ^2/NDF : 7118042053110

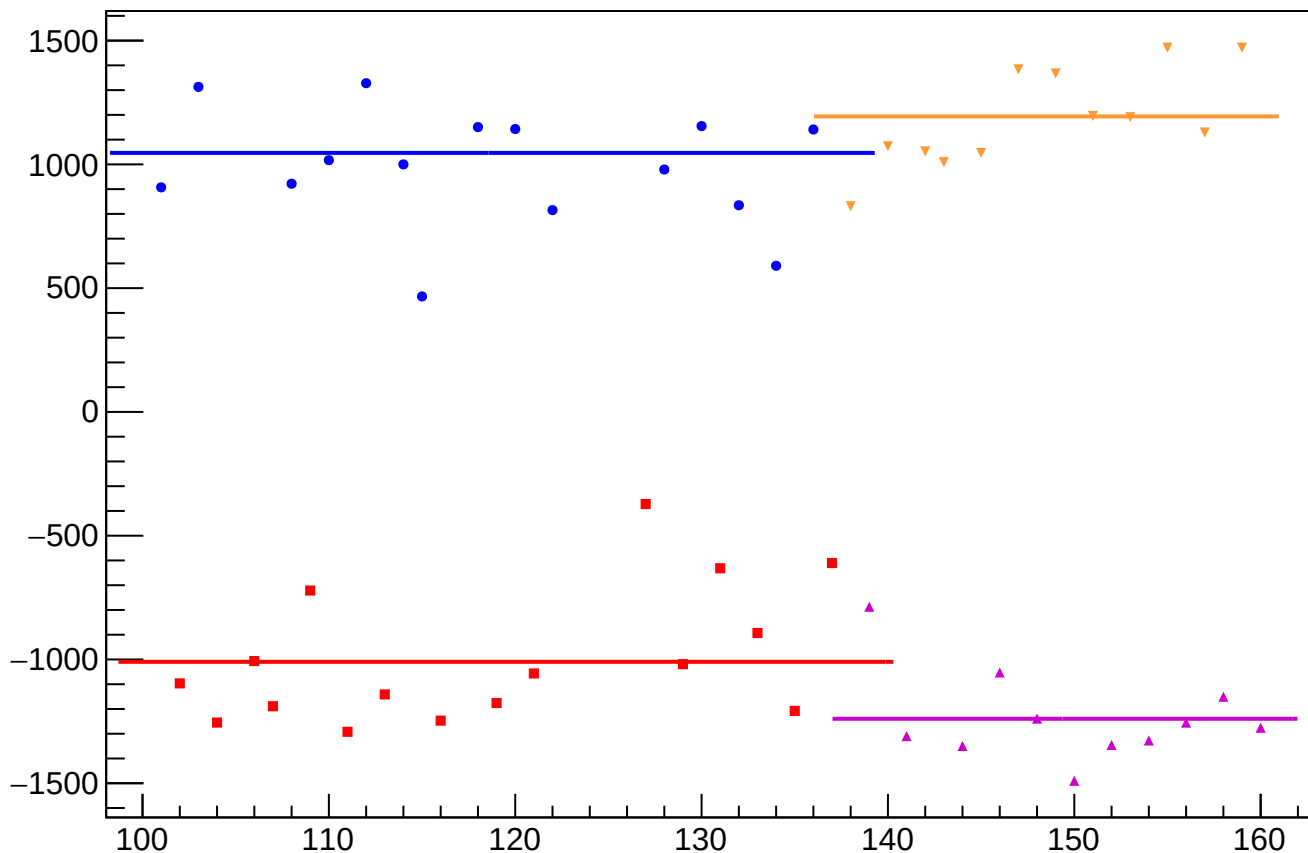
All: 430.161+/-0.000 χ^2/NDF : 220312696497

dit_sam6_coil1_err_mean vs Slug, Sign Corrected



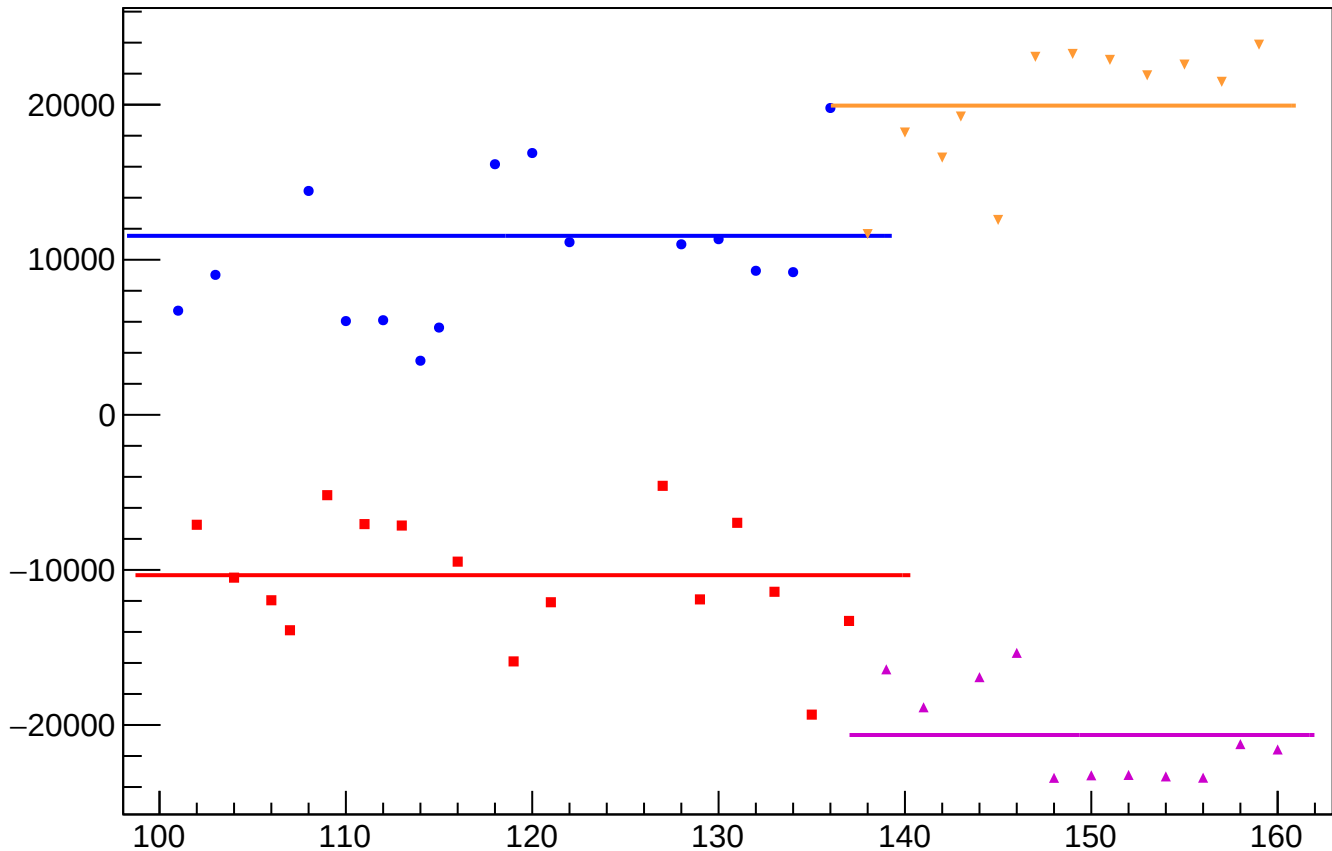
Right In: 245.832 $\pm$ 0.000 χ^2 /NDF: 7828269009300013139414476154059358208.0/14
 Left Out: 502.365 $\pm$ 0.000 χ^2 /NDF: 15191566092864942113763626663922368512.0/11
 Right Out: -209.844 $\pm$ 0.000 χ^2 /NDF: 3128489258838765241921217786024034304.0/15
 Left In: -536.975 $\pm$ 0.000 χ^2 /NDF: 20803022486400810956958367719555596288.0/10
 All: -5.524 $\pm$ 0.000 χ^2 /NDF: 6125424587177

dit_sam6_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam7_coil1_mean vs Slug, Sign Corrected



Right In: 11542.759+/-0.000

χ^2/NDF : 14233543123238566357226766219014687424512.0/14

Left Out: 19940.398+/-0.000

χ^2/NDF : 15069486743345866506868658008400293003264.0/11

Right Out: -10339.969+/-0.000

χ^2/NDF : 11260833863406751645923420062982418202624.0/15

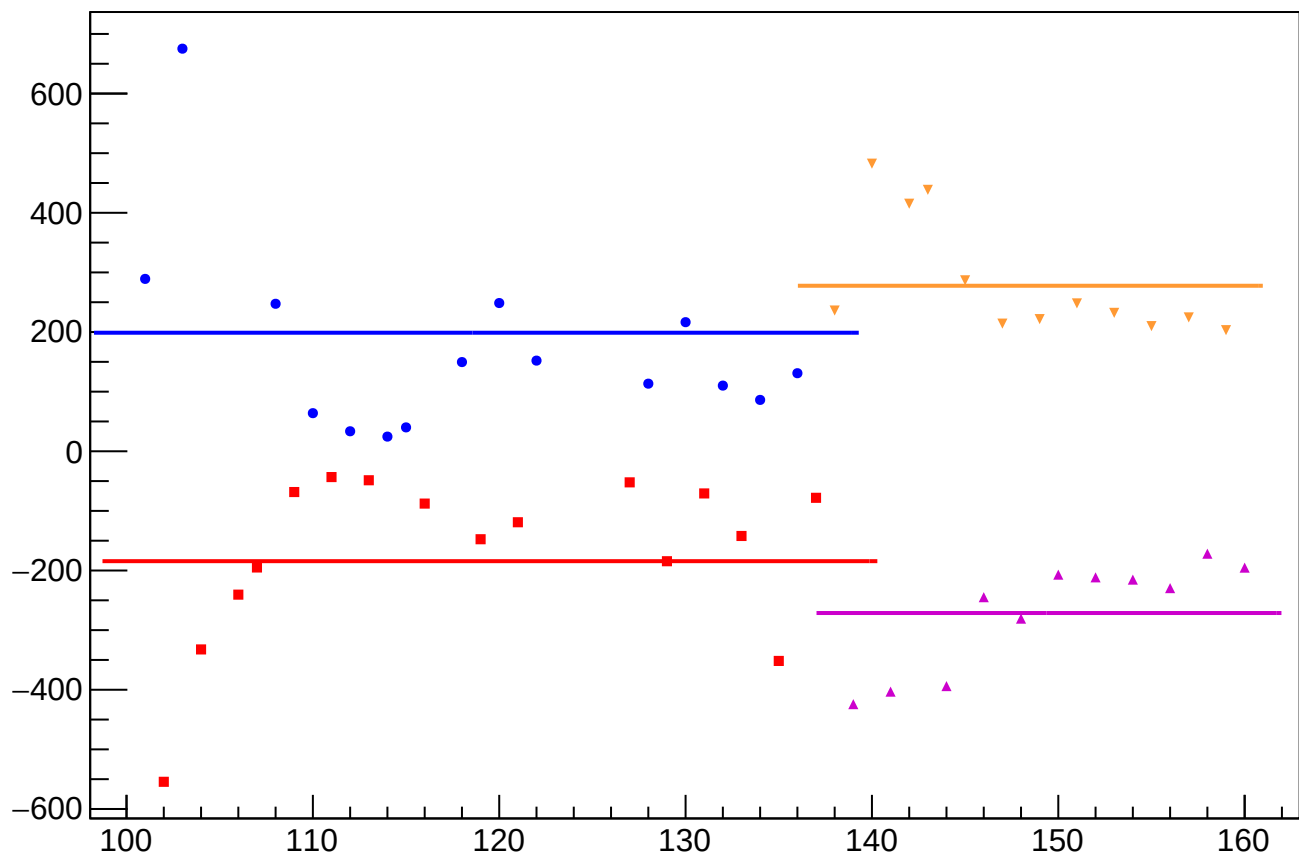
Left In: -20645.358+/-0.000

χ^2/NDF : 8456327376882782804888899010558833983488.0/10

All: -81.261+/-0.000

χ^2/NDF : 964042806490

dit_sam7_coil1_err_mean vs Slug, Sign Corrected



Right In: 198.850+/-0.000

χ^2/NDF : 18333995109503438037075916944440295424.0/14

Left Out: 277.638+/-0.000

χ^2/NDF : 8038613705890486227984688847014330368.0/11

Right Out: -184.328+/-0.000

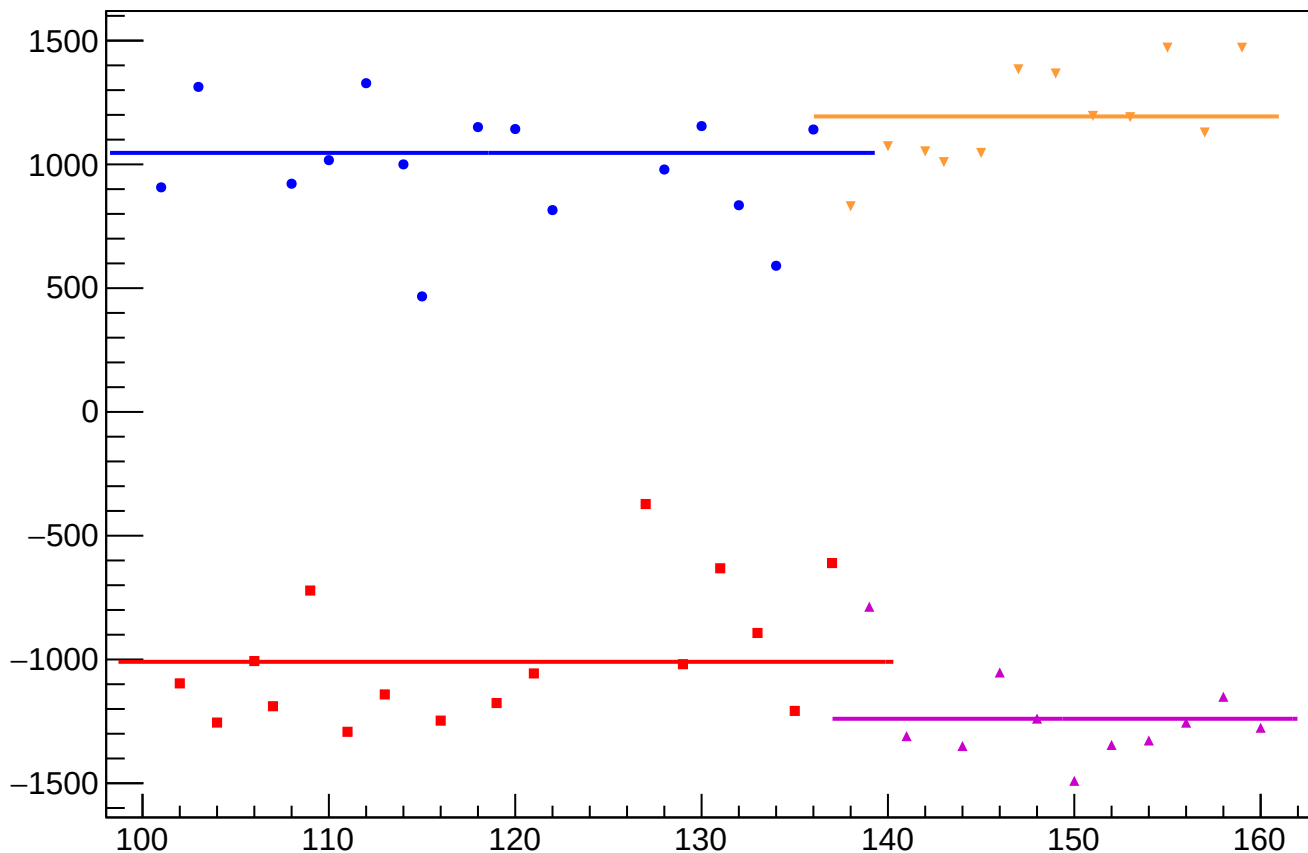
χ^2/NDF : 14927434931395588601024961538372403200.0/15

Left In: -271.291+/-0.000

χ^2/NDF : 7112445981030520145066814103974051840.0/10

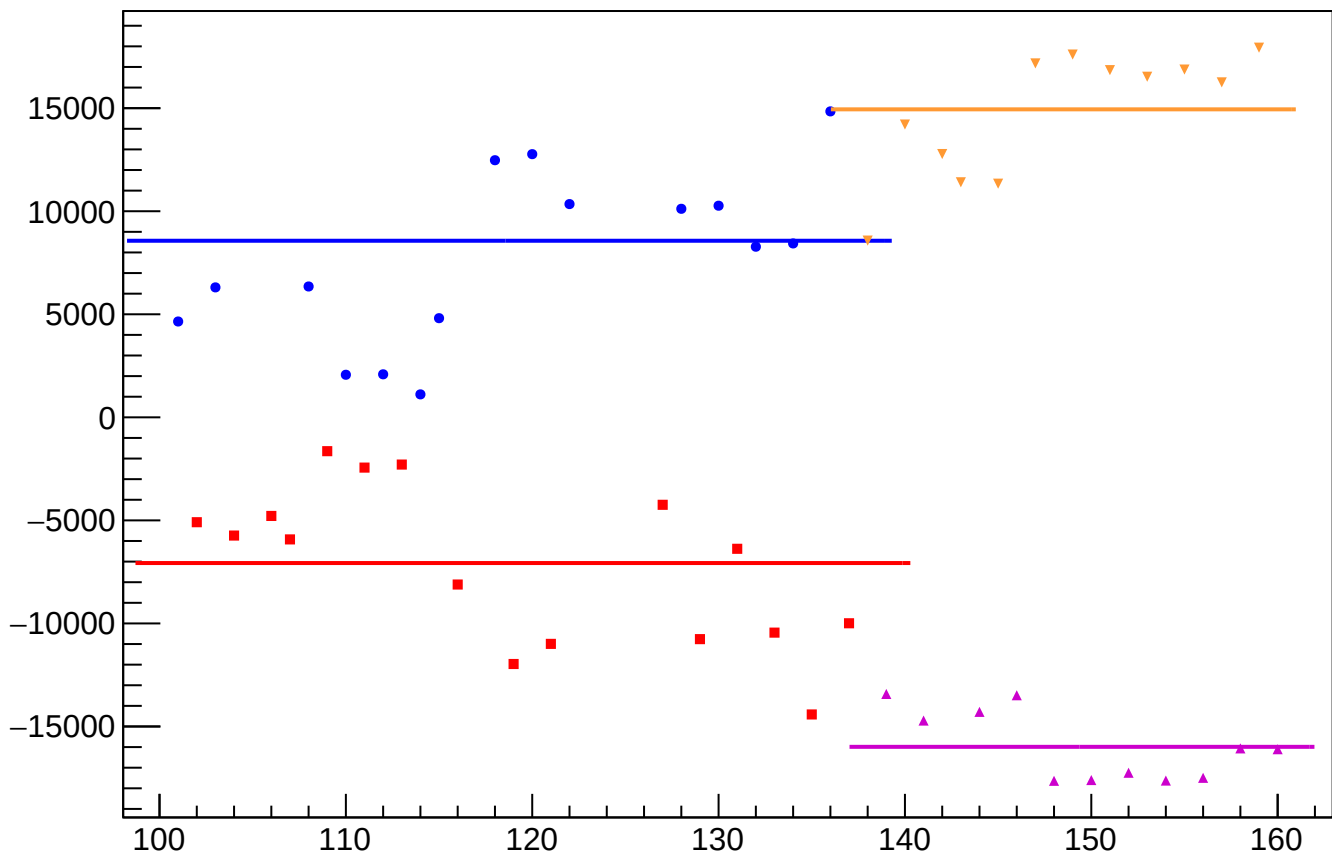
All: 2.915+/-0.000 χ^2/NDF : 23516964927960

dit_sam7_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam8_coil1_mean vs Slug, Sign Corrected



Right In: 8567.784+/-0.000

χ^2/NDF : 11106048878972501366429055679645708451840.0/14

Left Out: 14943.560+/-0.000

χ^2/NDF : 7900539606524387386359998406585036570624.0/11

Right Out: -7069.884+/-0.000

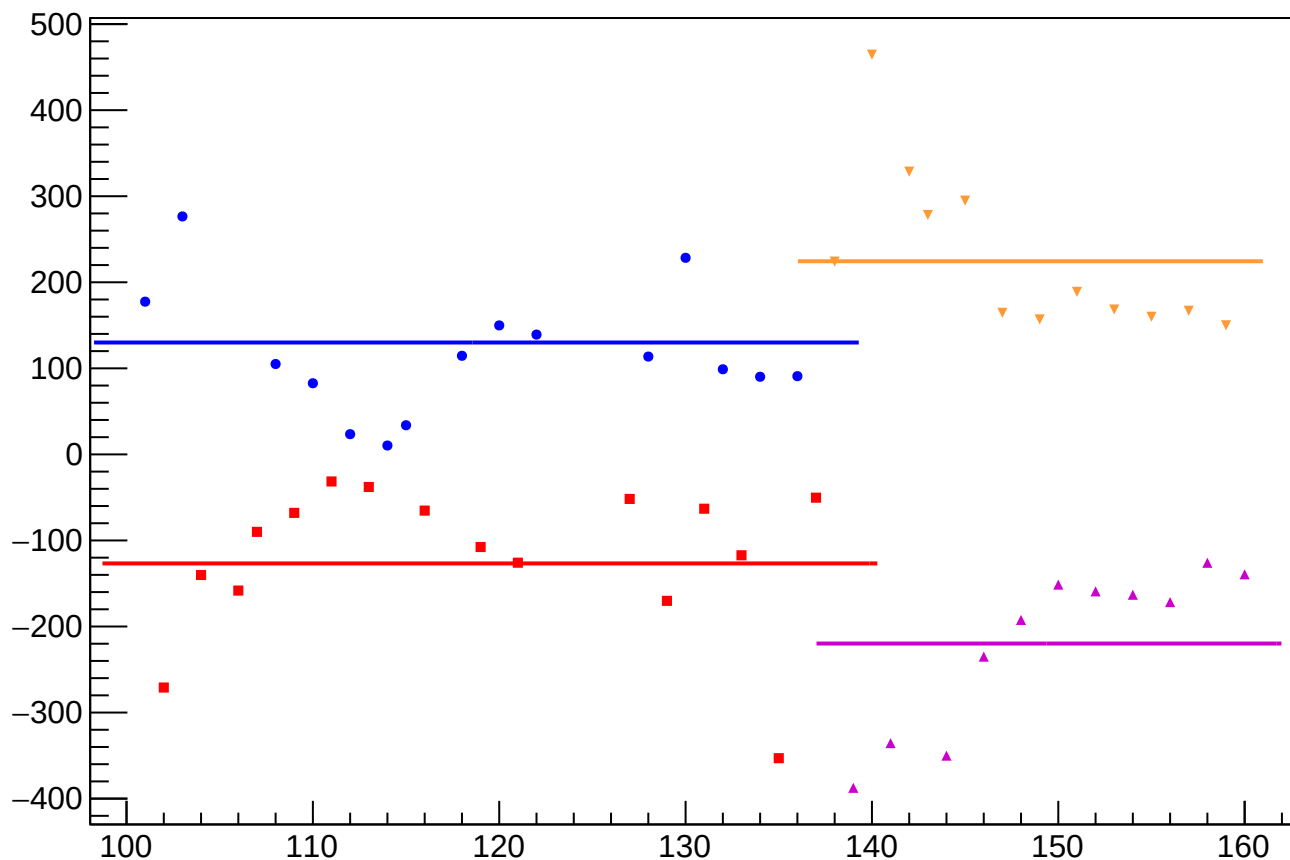
χ^2/NDF : 10076862363502652111378210539664387866624.0/15

Left In: -15987.436+/-0.000

χ^2/NDF : 2470393428254815728629083332629999124480.0/10

All: -85.320+/-0.000 χ^2/NDF : 552788797574

dit_sam8_coil1_err_mean vs Slug, Sign Corrected



Right In: 130.021+/-0.000

χ^2/NDF : 3115259987552341725946418665378283520.0/14

Left Out: 224.458+/-0.000

χ^2/NDF : 7870394140048491055430374232164401152.0/11

Right Out: -126.709+/-0.000

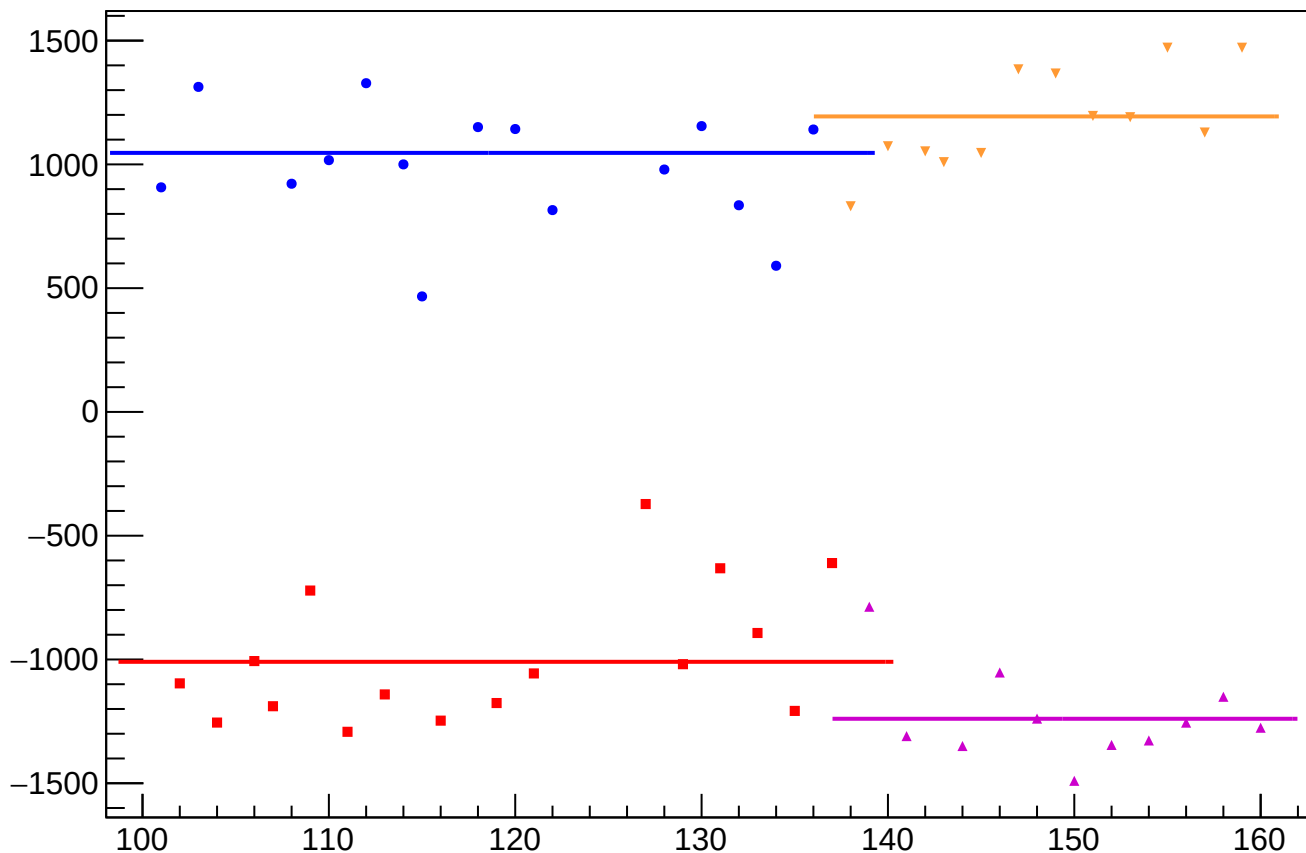
χ^2/NDF : 5397122581297664561308621600668516352.0/15

Left In: -219.787+/-0.000

χ^2/NDF : 7418609629454172879787970620999860224.0/10

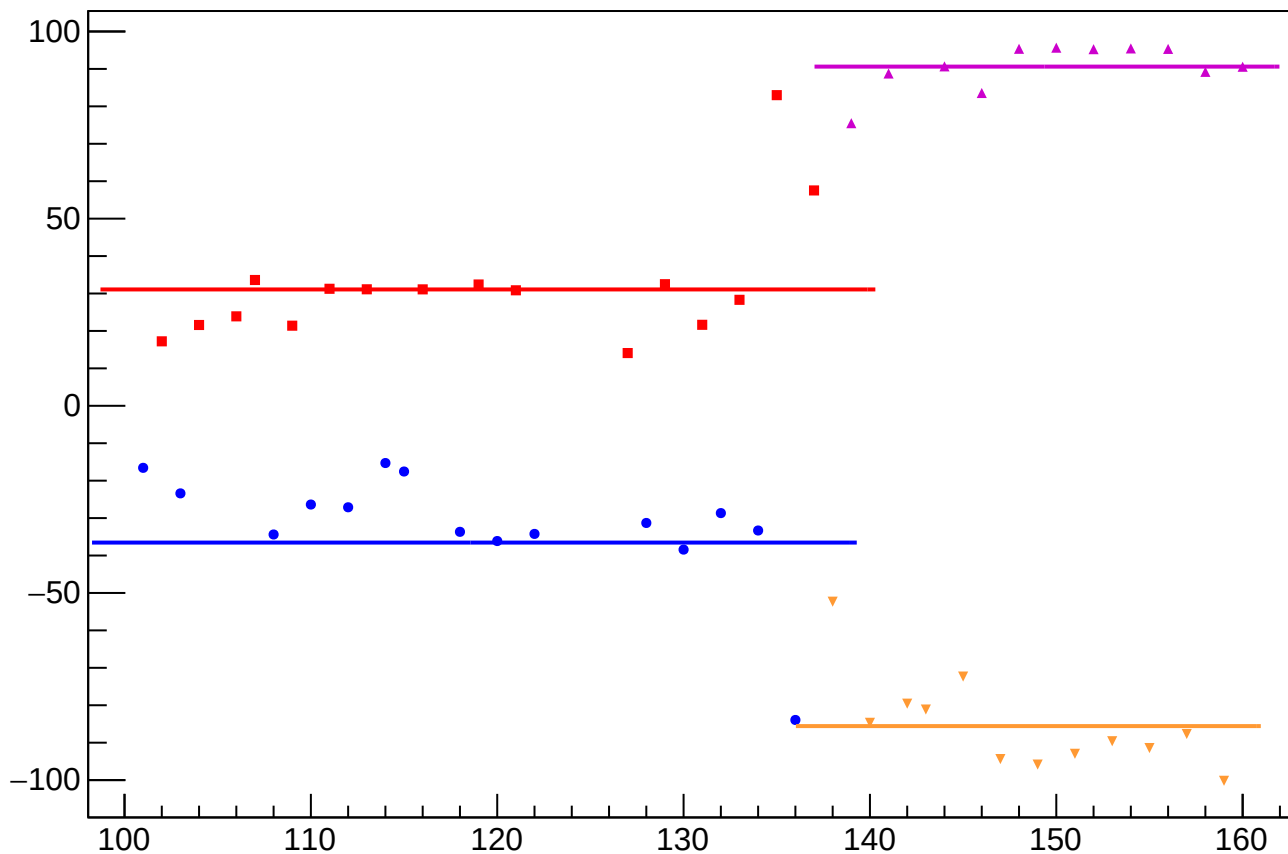
All: 0.615+/-0.000 χ^2/NDF : 1361639505758

dit_sam8_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4aX_coil3_mean vs Slug, Sign Corrected



Right In: -36.540 $\pm$ 0.000

Left Out: -85.570 $\pm$ 0.000

Right Out: 31.085 $\pm$ 0.000

Left In: 90.618 $\pm$ 0.000

χ^2 /NDF: 254351867861444609202637633864335360.0/14

χ^2 /NDF: 143557776257547990865591640732467200.0/11

χ^2 /NDF: 181291079119381636178408498876383232.0/15

χ^2 /NDF: 33089833083626408117297955498622976.0/10

Left: 3.003 $\pm$ 0.000 χ^2 /NDF: 144401853367529279

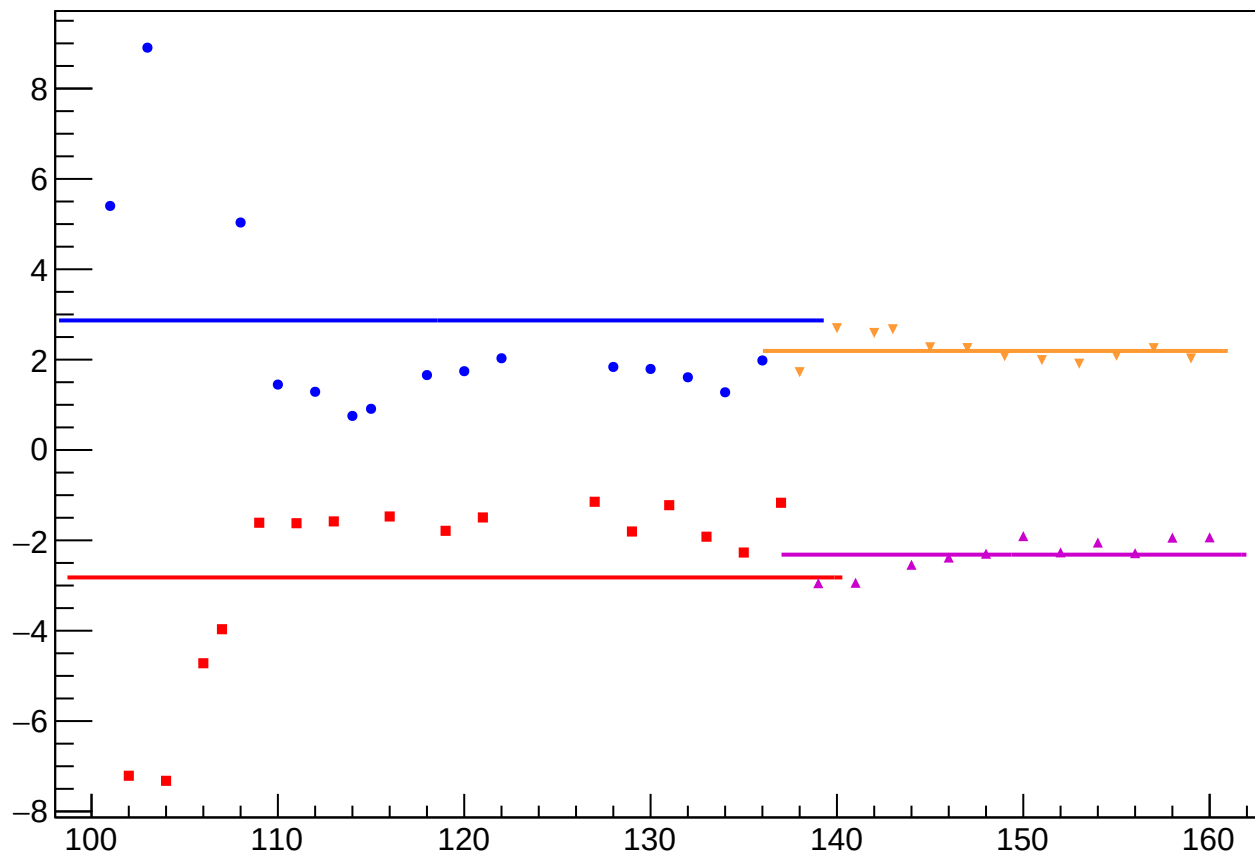
Right: -2.265 $\pm$ 0.000 χ^2 /NDF: 1939933040270060

In: 38.154 $\pm$ 0.000 χ^2 /NDF: 645160855456739365

Out: -36.355 $\pm$ 0.000 χ^2 /NDF: 5572346140178000

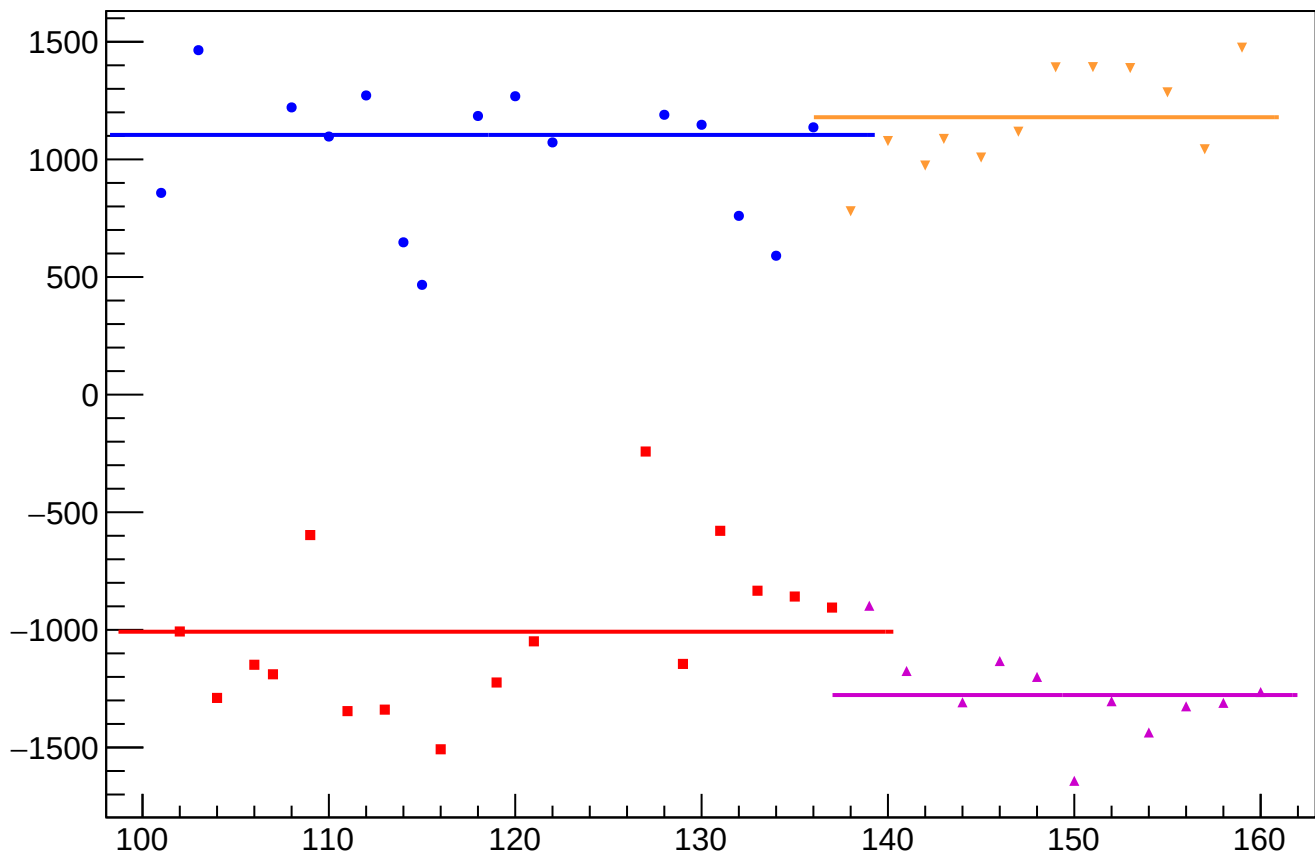
All: 0.805 $\pm$ 0.000 χ^2 /NDF: 16401400360245

dit_4aX_coil3_err_mean vs Slug, Sign Corrected



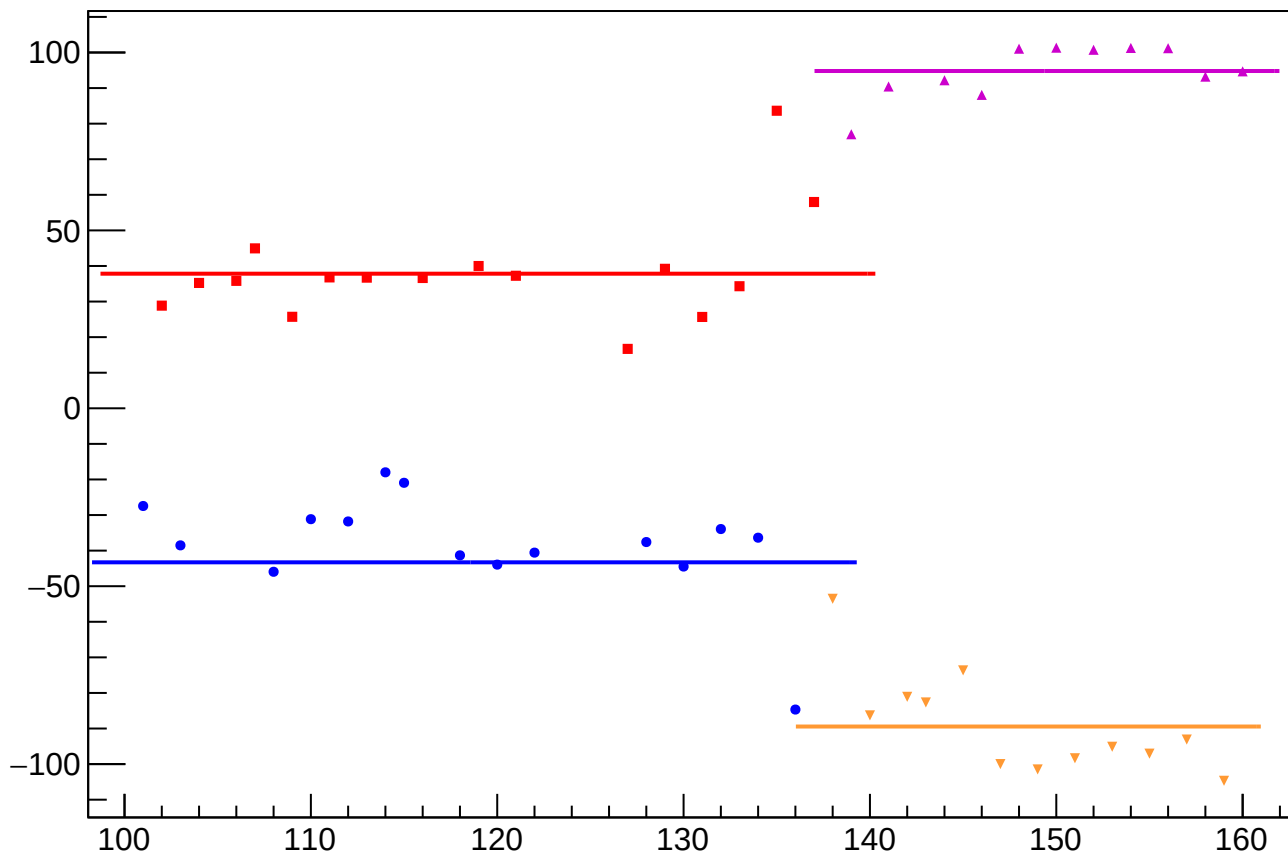
Right In: 2.867 ± 0.000 χ^2/NDF : 3455499087584693564208174061322240.0/14
 Left Out: 2.192 ± 0.000 χ^2/NDF : 76043906789141561084580015898624.0/11
 Right Out: -2.821 ± 0.000 χ^2/NDF : 3052948718107902490497172912472064.0/15
 Left In: -2.317 ± 0.000 χ^2/NDF : 114372564725079889099013285216256.0/10
 All: -0.050 ± 0.000 χ^2/NDF : 2668555650335

dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000	χ^2/NDF : 32737841591587454251521906421545304064.0/14	Left: -55.563+/-0.000	χ^2/NDF : 2840892210996509
Left Out: 1179.336+/-0.000	χ^2/NDF : 38742916032610862911819544133355175936.0/11	Right: 33.659+/-0.000	χ^2/NDF : 1569083056347410
Right Out: -1007.906+/-0.000	χ^2/NDF : 69077878009873965622695939627477368832.0/15	In: -294.641+/-0.000	χ^2/NDF : 2223953426306853
Left In: -1277.097+/-0.000	χ^2/NDF : 29578729901602647998073818936097374208.0/10	Out: 256.572+/-0.000	χ^2/NDF : 1952554182211910
	All: -18.335+/-0.000	χ^2/NDF : 441608022845	

dit_4eX_coil3_mean vs Slug, Sign Corrected



Right In: -43.289+/-0.000

Left Out: -89.439+/-0.000

Right Out: 37.832+/-0.000

Left In: 94.799+/-0.000

χ^2/NDF : 199342736778845281087197523996573696.0/14

χ^2/NDF : 181119962985690841138788427972476928.0/11

χ^2/NDF : 148683933977204936634636843897323520.0/15

χ^2/NDF : 49077050032611006982156968074936320.0/10

Left: 3.181+/-0.000 χ^2/NDF : 158268282831051271

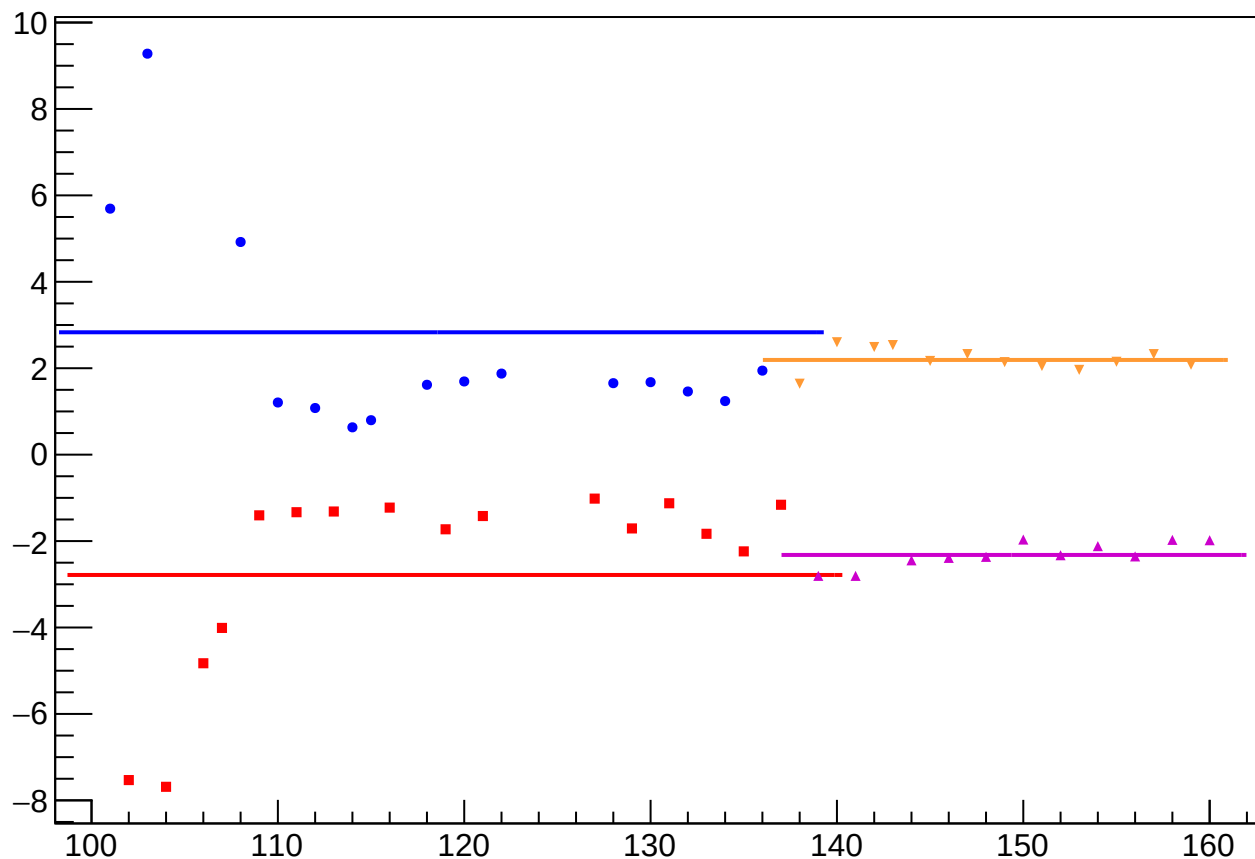
Right: -2.174+/-0.000 χ^2/NDF : 2512687101518028

In: 37.826+/-0.000 χ^2/NDF : 751790372998047563

Out: -35.745+/-0.000 χ^2/NDF : 6575776048743356

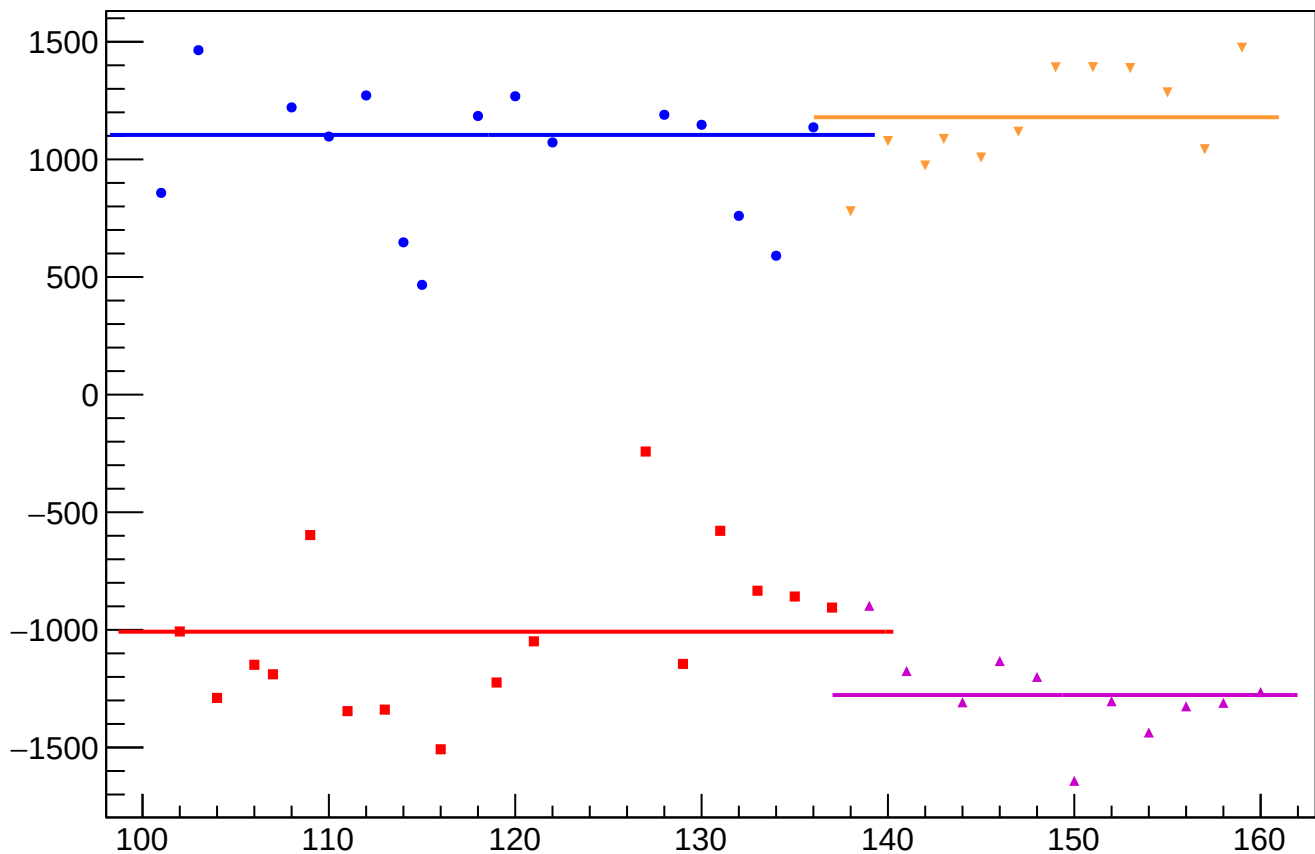
All: 0.947+/-0.000 χ^2/NDF : 1836150818238

dit_4eX_coil3_err_mean vs Slug, Sign Corrected



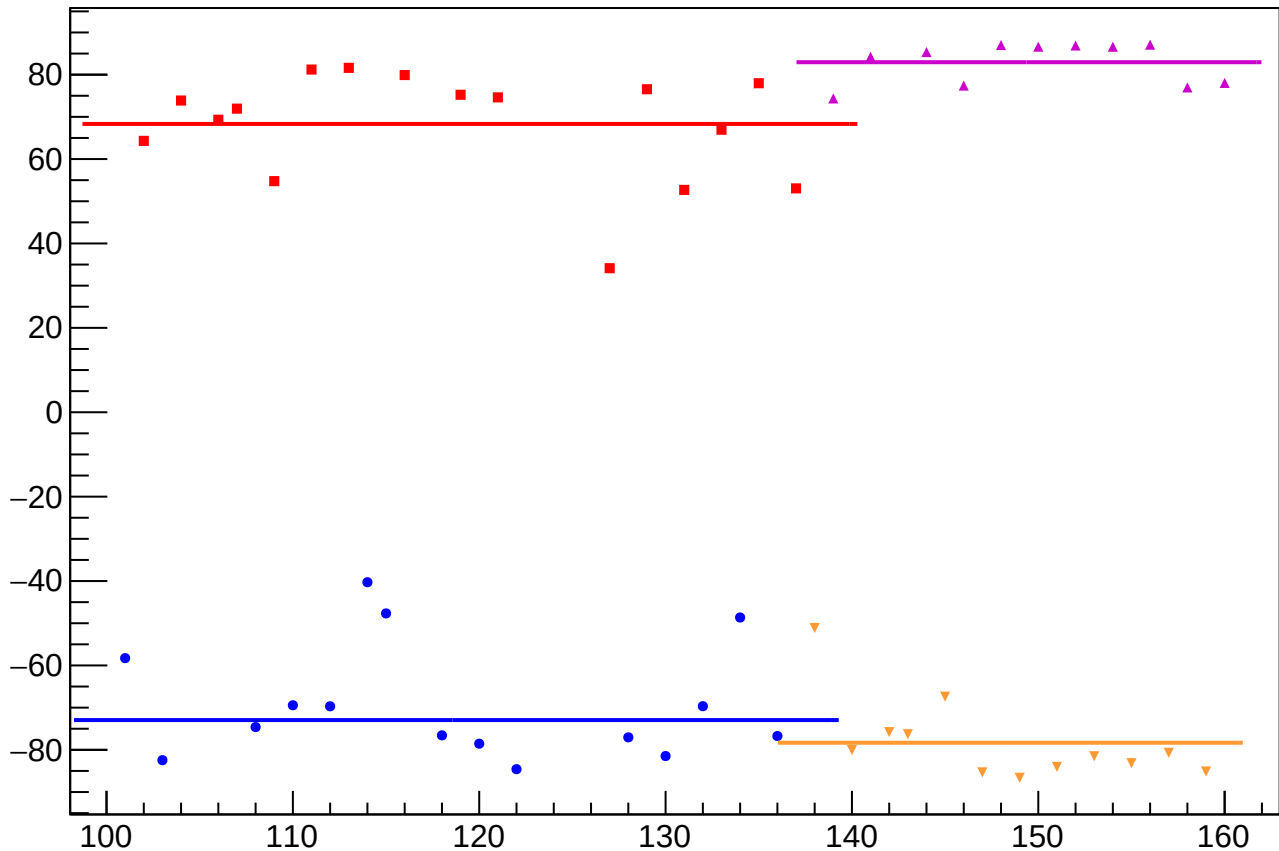
Right In: 2.832 ± 0.000 χ^2/NDF : 3957672531929017328512564323155968.0/14
 Left Out: 2.192 ± 0.000 χ^2/NDF : 59601559247415008947816525463552.0/11
 Right Out: -2.784 ± 0.000 χ^2/NDF : 3589544956108116898091236897849344.0/15
 Left In: -2.321 ± 0.000 χ^2/NDF : 74619123224616324544404505231360.0/10
 All: -0.051 ± 0.000 χ^2/NDF : 2741558316748

dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_11X12X_coil3_mean vs Slug, Sign Corrected



Right In: -72.949 $\pm$ 0.000

Left Out: -78.317 $\pm$ 0.000

Right Out: 68.324 $\pm$ 0.000

Left In: 82.954 $\pm$ 0.000

χ^2 /NDF: 65755428464857980306879126291087360.0/14

χ^2 /NDF: 86858932587671188594087415160766464.0/11

χ^2 /NDF: 106694344898202364483367131372584960.0/15

χ^2 /NDF: 20419157774877297849205303170564096.0/10

Left: 2.757 $\pm$ 0.000 χ^2 /NDF: 120577028568665653

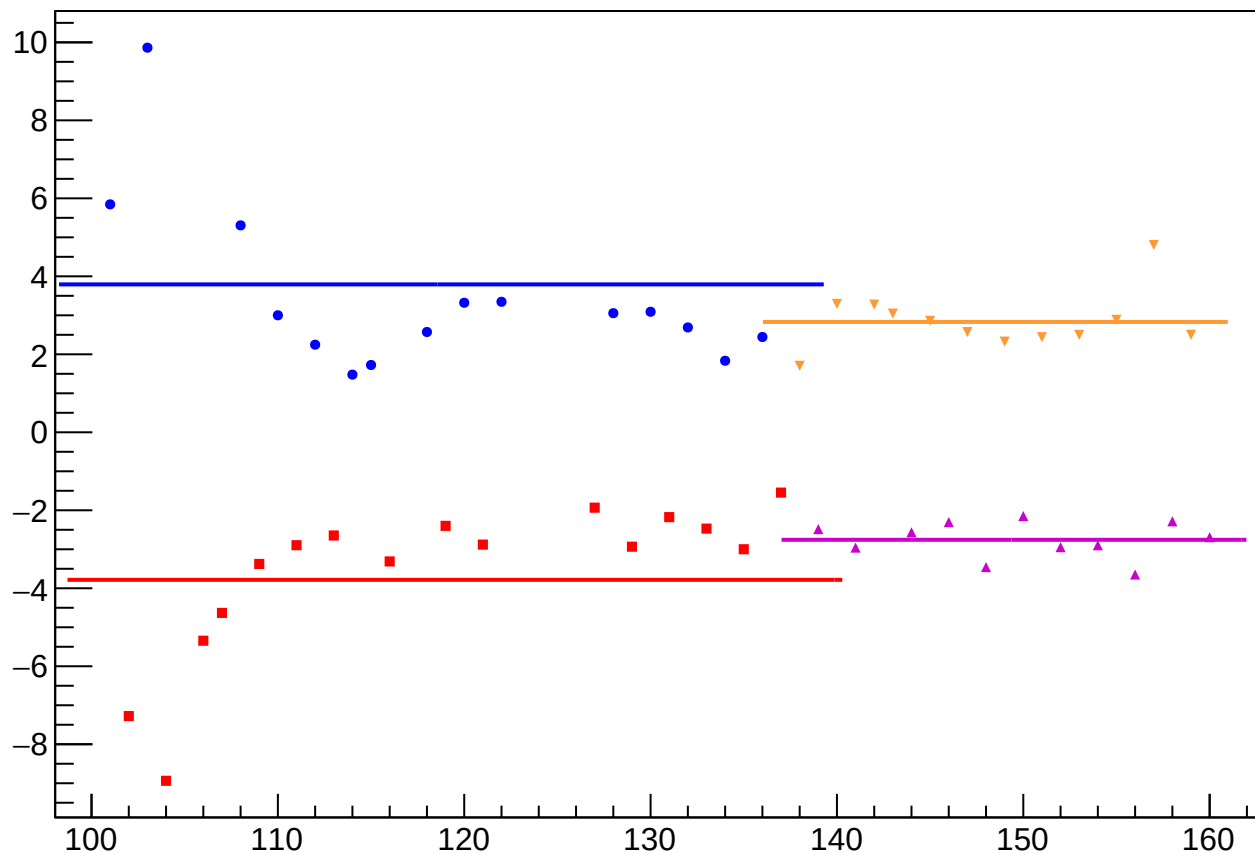
Right: -1.347 $\pm$ 0.000 χ^2 /NDF: 6737392391922205

In: 18.630 $\pm$ 0.000 χ^2 /NDF: 935227547229560147

Out: -16.451 $\pm$ 0.000 χ^2 /NDF: 8485315004637869

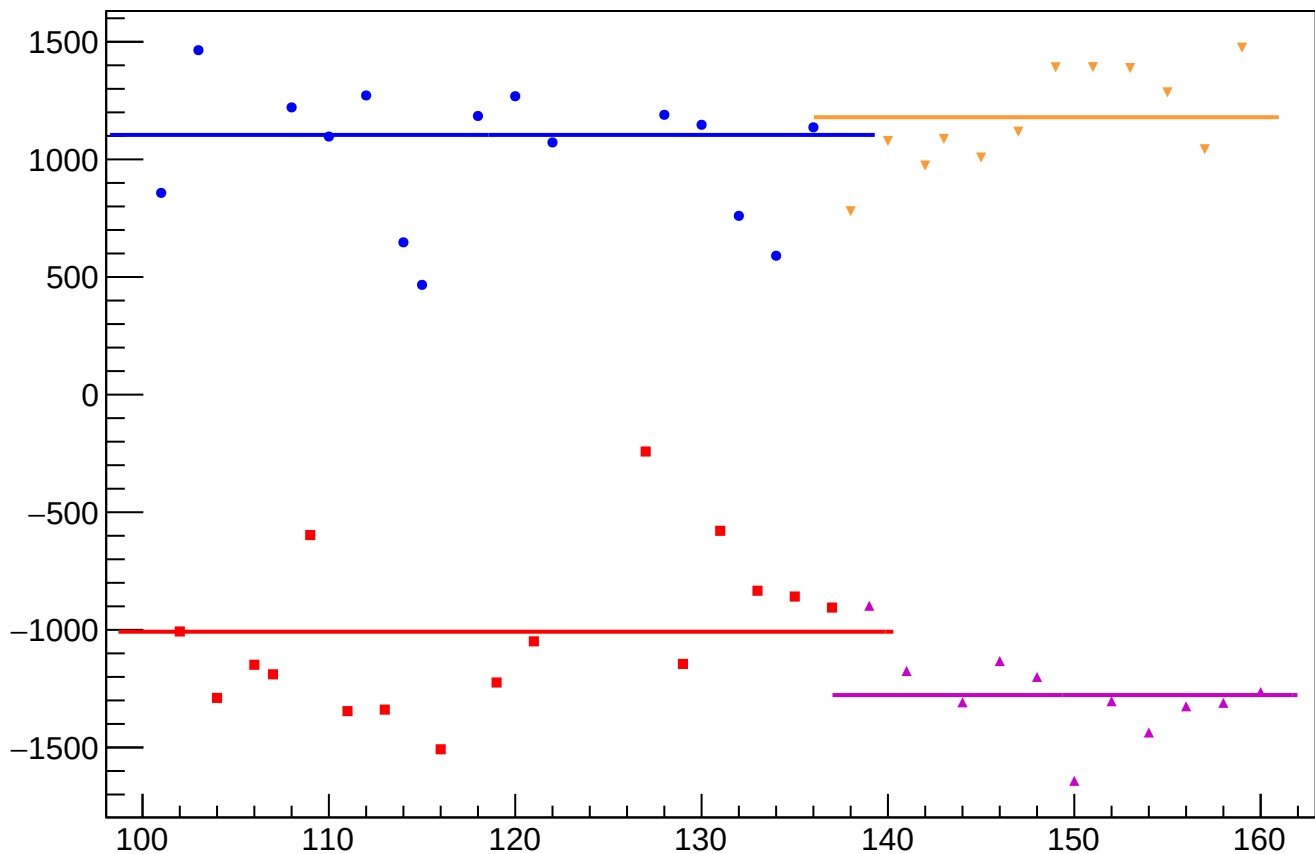
All: 1.045 $\pm$ 0.000 χ^2 /NDF: 18808011568652

dit_11X12X_coil3_err_mean vs Slug, Sign Corrected



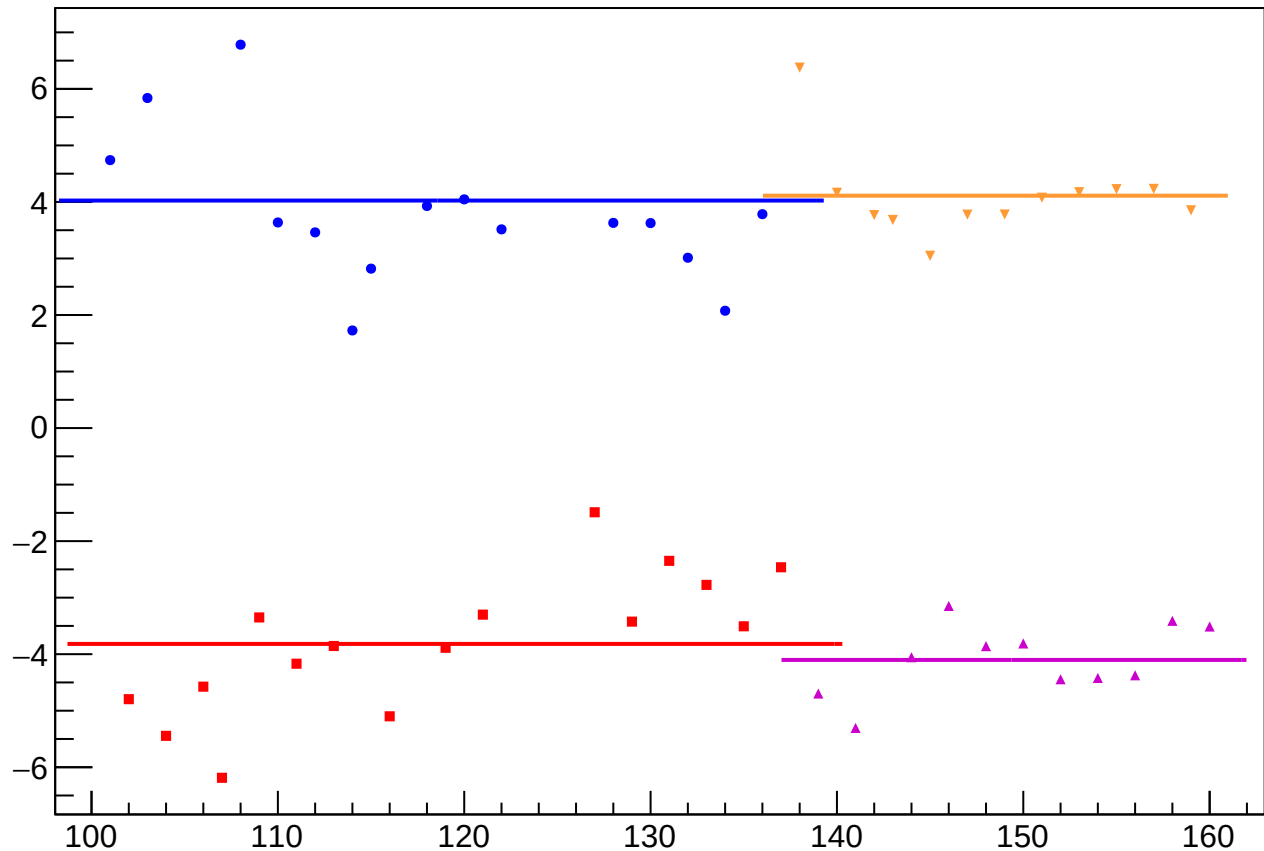
Right In: 3.793 $\pm$ 0.000 χ^2 /NDF: 3205389242726129619796290810413056.0/14
 Left Out: 2.830 $\pm$ 0.000 χ^2 /NDF: 492749026028838907947829621161984.0/11
 Right Out: -3.783 $\pm$ 0.000 χ^2 /NDF: 2878586622192676654452338755371008.0/15
 Left In: -2.757 $\pm$ 0.000 χ^2 /NDF: 191720746547732306226054042746880.0/10
 All: -0.007 $\pm$ 0.000 χ^2 /NDF: 3999287355304

dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected



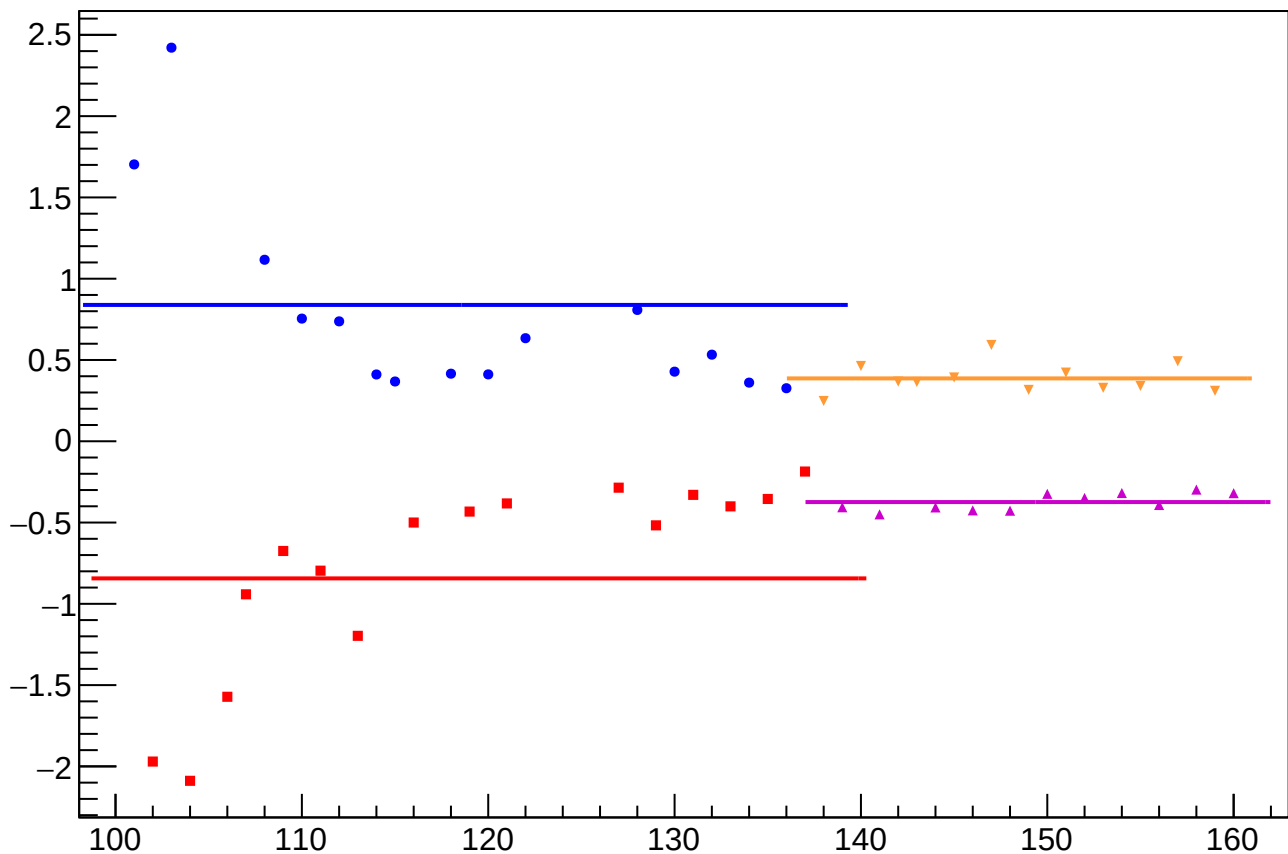
Right In: 1104.111+/-0.000	χ^2/NDF : 32737841591587454251521906421545304064.0/14	Left: -55.563+/-0.000	χ^2/NDF : 2840892210996509
Left Out: 1179.336+/-0.000	χ^2/NDF : 38742916032610862911819544133355175936.0/11	Right: 33.659+/-0.000	χ^2/NDF : 1569083056347410
Right Out: -1007.906+/-0.000	χ^2/NDF : 69077878009873965622695939627477368832.0/15	In: -294.641+/-0.000	χ^2/NDF : 2223953426306853
Left In: -1277.097+/-0.000	χ^2/NDF : 29578729901602647998073818936097374208.0/10	Out: 256.572+/-0.000	χ^2/NDF : 1952554182211910
	All: -18.335+/-0.000	χ^2/NDF : 441608022845	

dit_4aY_coil3_mean vs Slug, Sign Corrected



Left: -0.018 +/- 0.000 χ^2/NDF : 31853611122068431
 Right: 0.050 +/- 0.000 χ^2/NDF : 21892754887879739
 In: -0.749 +/- 0.000 χ^2/NDF : 262752943933562033
 Out: 0.766 +/- 0.000 χ^2/NDF : 256661576644538779
 All: 0.010 +/- 0.000 χ^2/NDF : 53749829914354

dit_4aY_coil3_err_mean vs Slug, Sign Corrected



Right In: 0.839+/-0.000

χ^2/NDF : 258416025334615661521163083841536.0/14

Left Out: 0.387+/-0.000

χ^2/NDF : 7656532010606705303389852401664.0/11

Right Out: -0.844+/-0.000

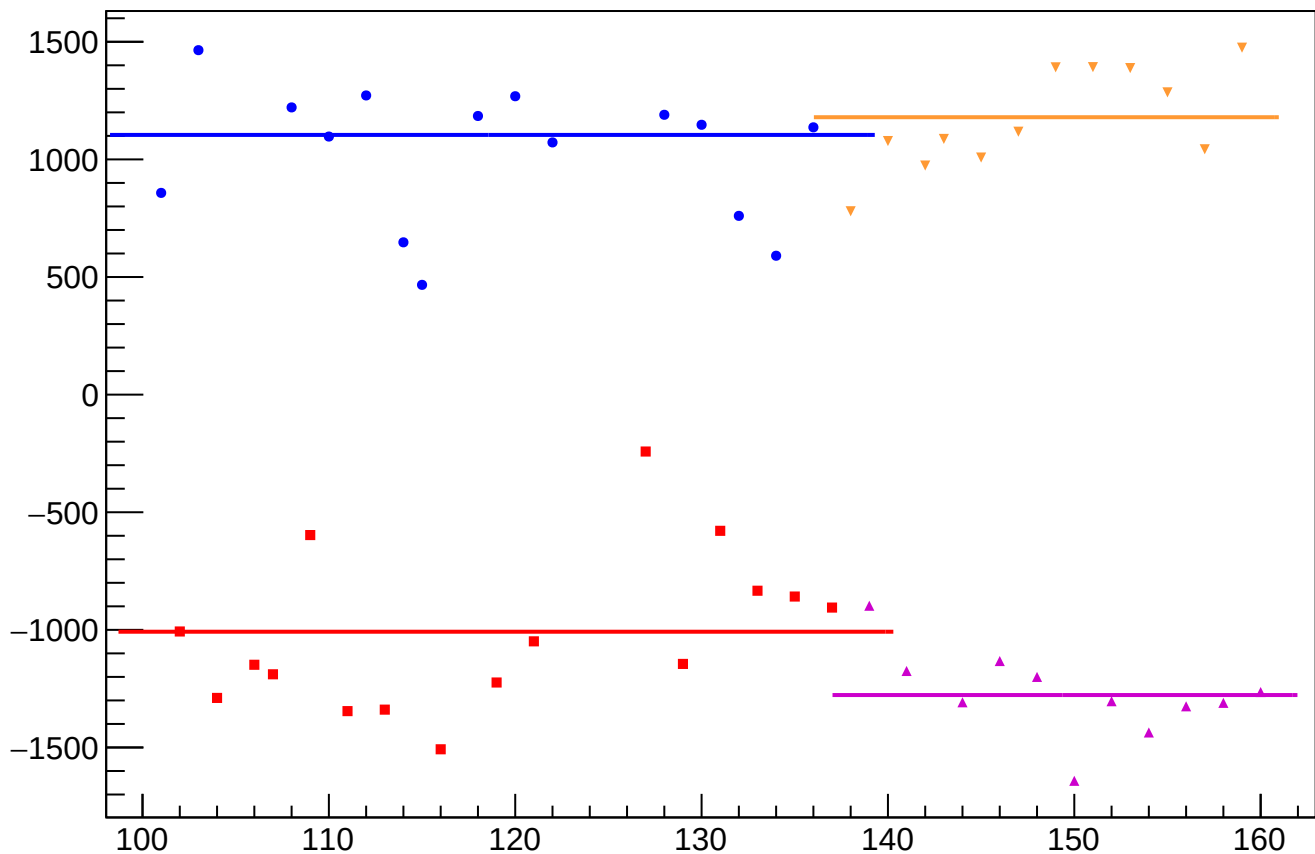
χ^2/NDF : 252917509393432760240648918925312.0/15

Left In: -0.374+/-0.000

χ^2/NDF : 2408191855928929204652403064832.0/10

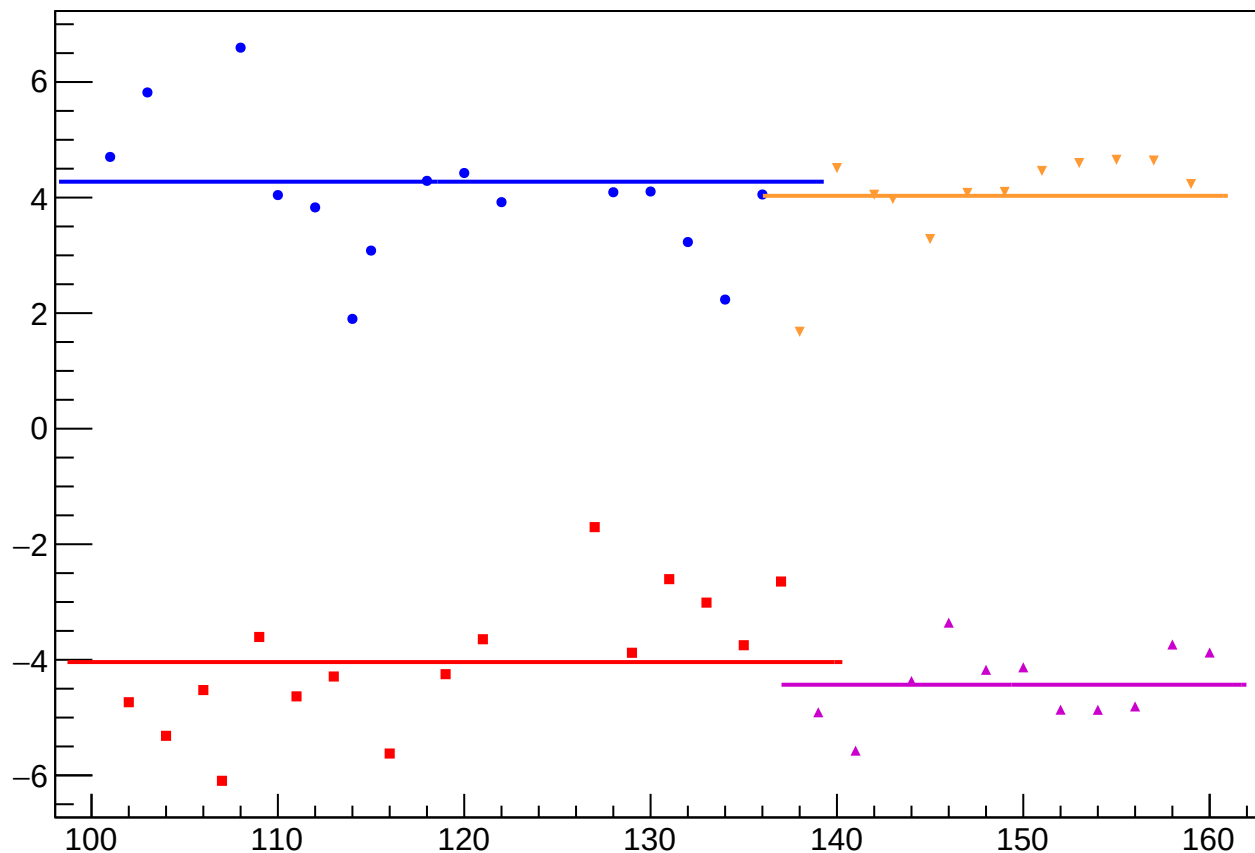
All: -0.003+/-0.000 χ^2/NDF : 1718408465884

dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected



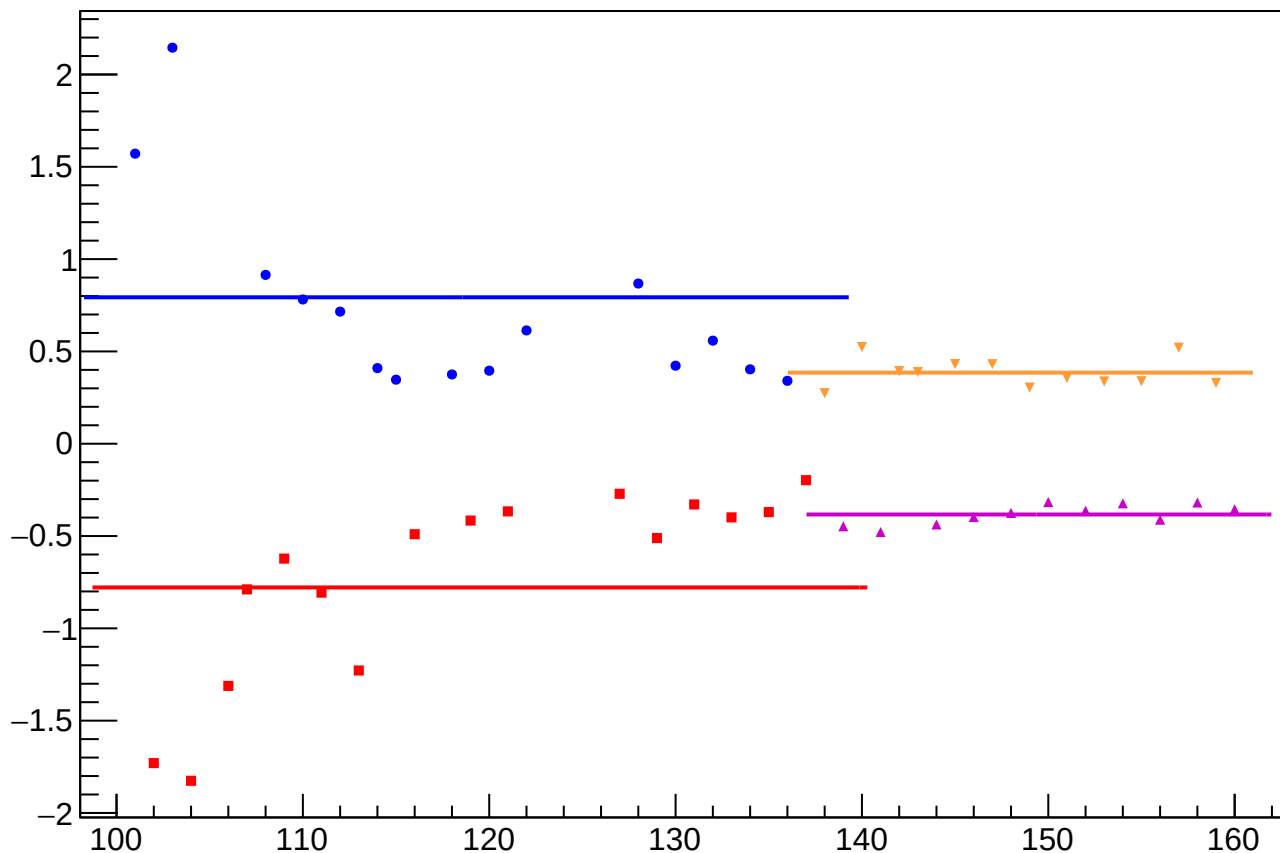
Right In: 1104.111 ± 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 ± 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 ± 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 ± 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 ± 0.000 χ^2/NDF : 441608022845

dit_4eY_coil3_mean vs Slug, Sign Corrected



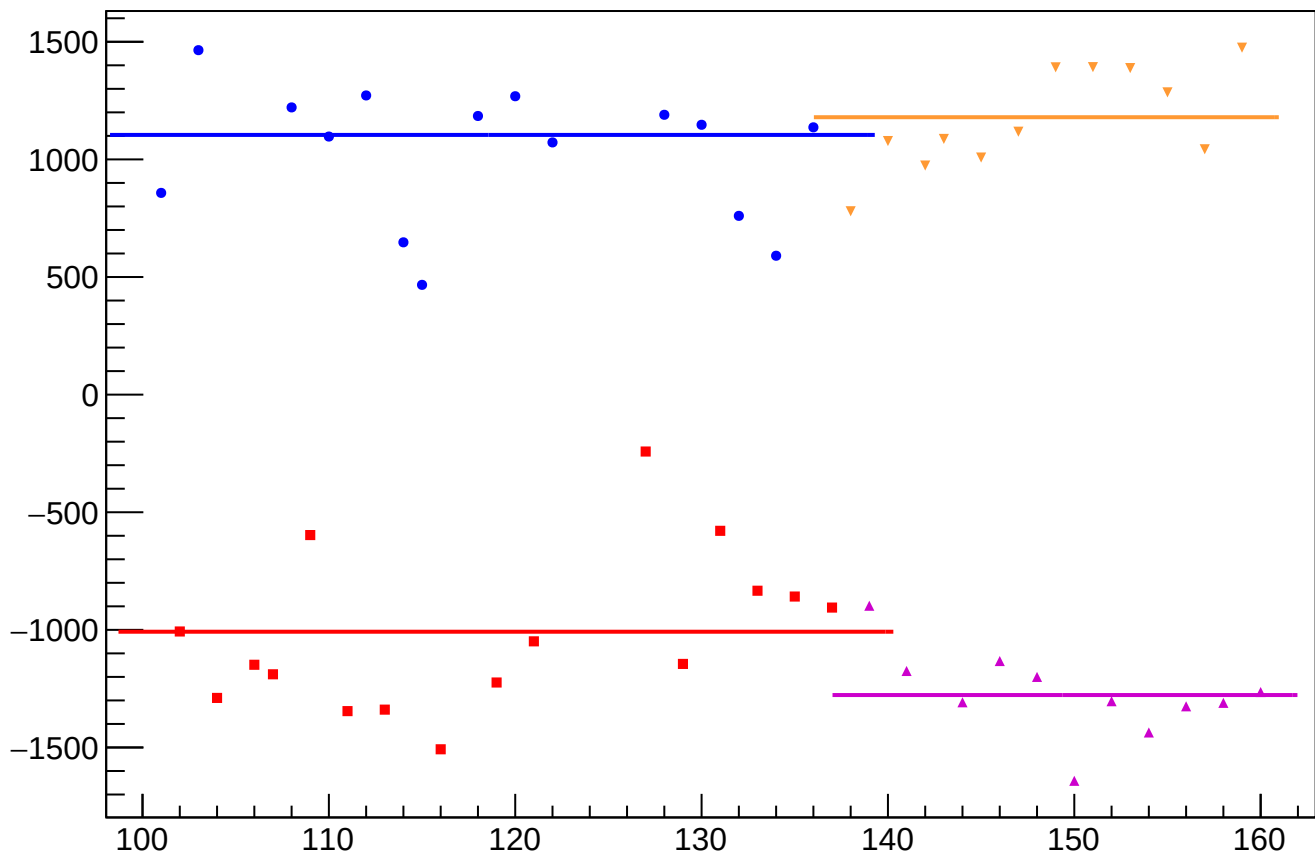
Right In: 4.275 ± 0.000 $\chi^2/\text{NDF}: 597188707898198851792415435522048.0/14$
 Left Out: 4.030 ± 0.000 $\chi^2/\text{NDF}: 600797720921367466879695481470976.0/11$
 Right Out: -4.039 ± 0.000 $\chi^2/\text{NDF}: 772368848194464324973108765130752.0/15$
 Left In: -4.432 ± 0.000 $\chi^2/\text{NDF}: 345602703191245770554210363899904.0/10$
 All: -0.105 ± 0.000 $\chi^2/\text{NDF}: 5801697378090$

dit_4eY_coil3_err_mean vs Slug, Sign Corrected



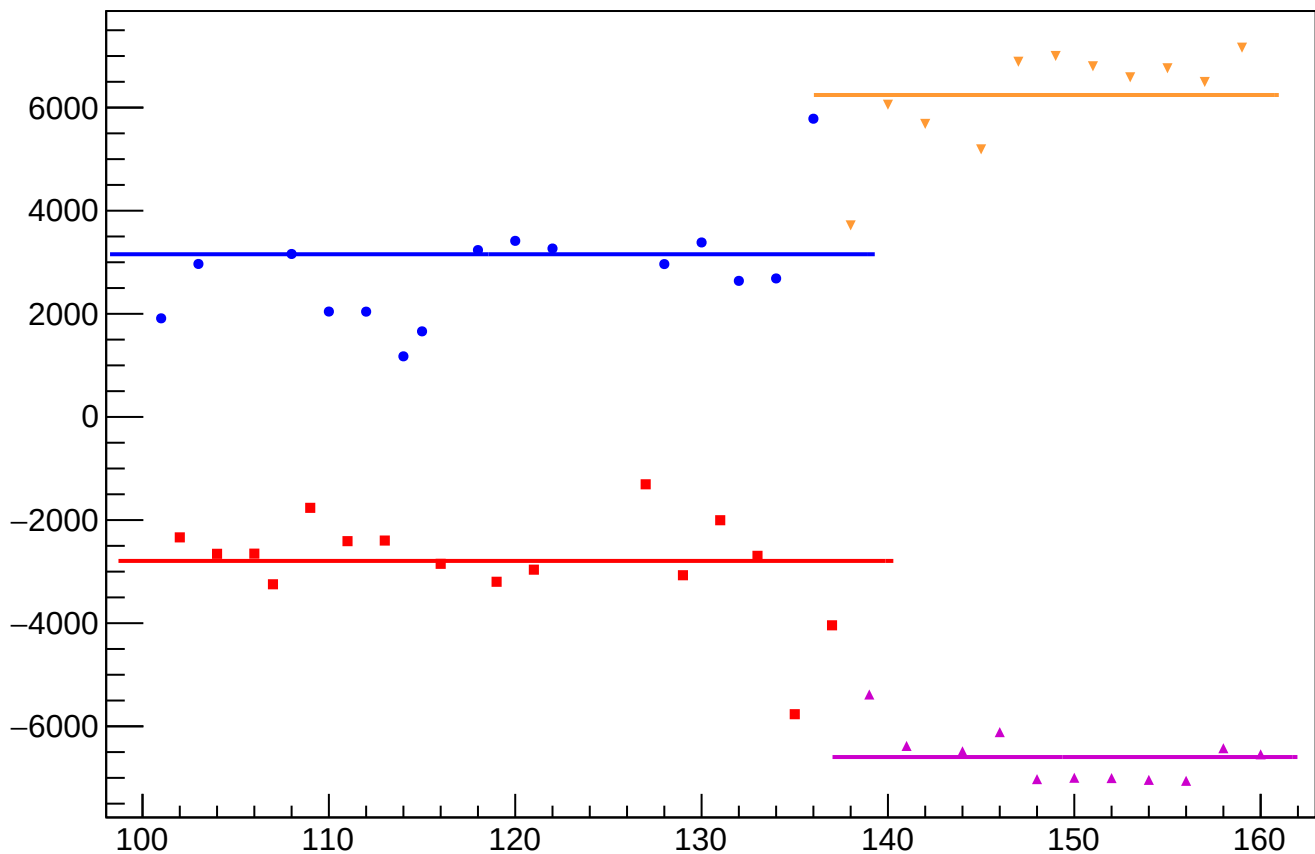
Right In: 0.793+/-0.000 χ^2/NDF : 195508777173589483440314700005376.0/14
 Left Out: 0.385+/-0.000 χ^2/NDF : 5547784180240414411423653822464.0/11
 Right Out: -0.778+/-0.000 χ^2/NDF : 185814635772183306063903690063872.0/15
 Left In: -0.383+/-0.000 χ^2/NDF : 2618375268437967875049691021312.0/10
 All: -0.002+/-0.000 χ^2/NDF : 1473239916142

dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected



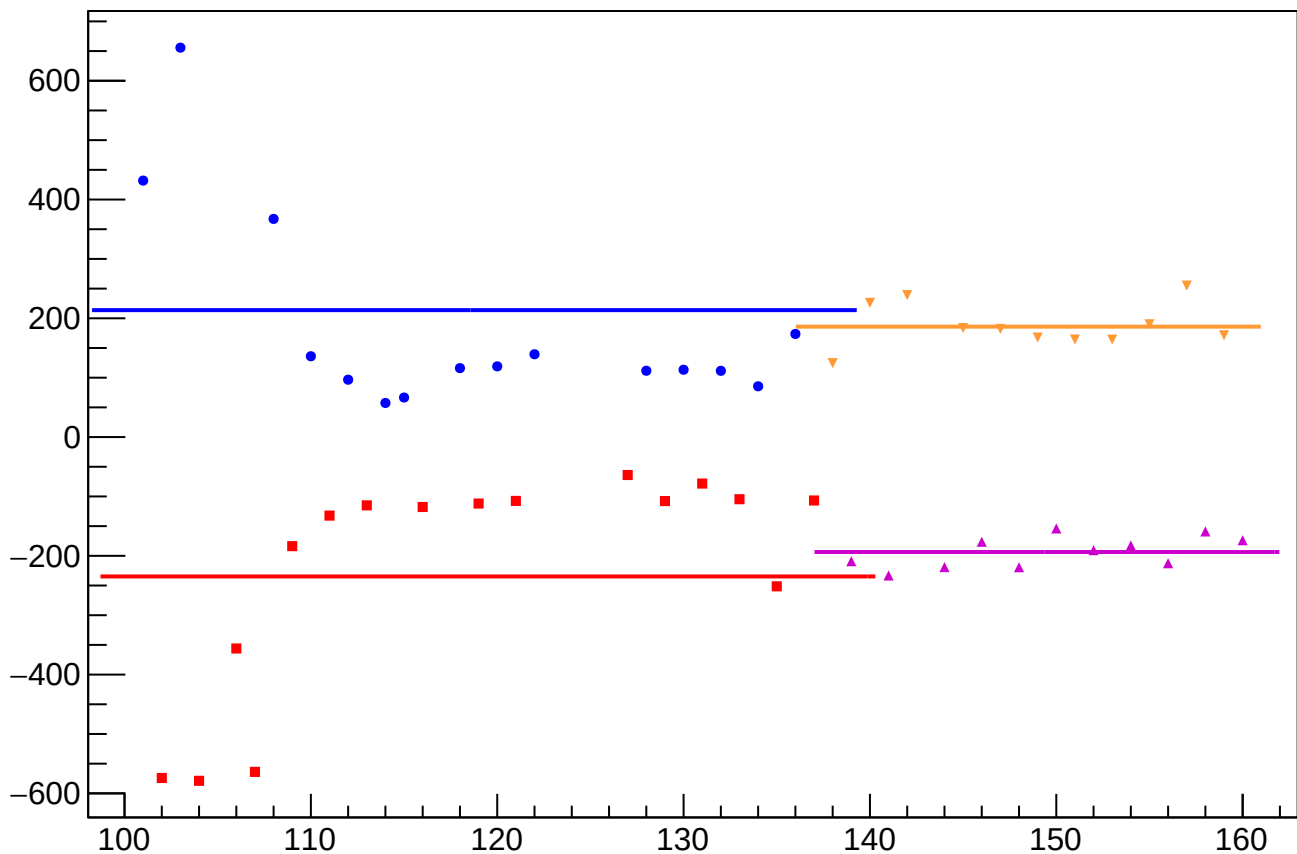
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_usl_coil3_mean vs Slug, Sign Corrected



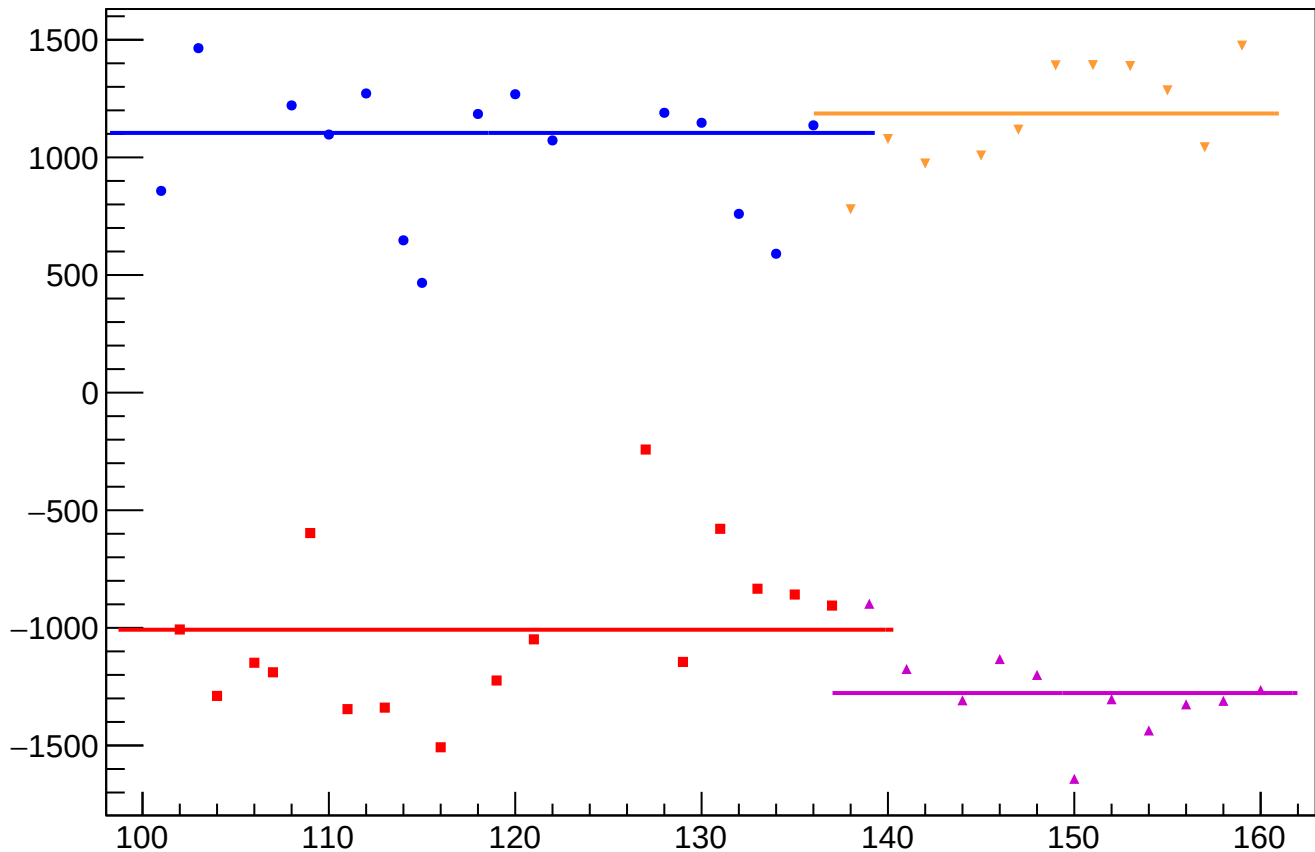
Right In: 3155.434+/-0.000 χ^2/NDF : 903550534773622902110918214033612996608.0/14
 Left Out: 6243.976+/-0.000 χ^2/NDF : 811230786168378302780139165688711348224.0/10
 Right Out: -2792.245+/-0.000 χ^2/NDF : 674635749324173001973264427530986717184.0/15
 Left In: -6595.861+/-0.000 χ^2/NDF : 225164805715400368671043826745864093696.0/10
 All: -200.997+/-0.000 χ^2/NDF : 87373315799

dit_usl_coil3_err_mean vs Slug, Sign Corrected



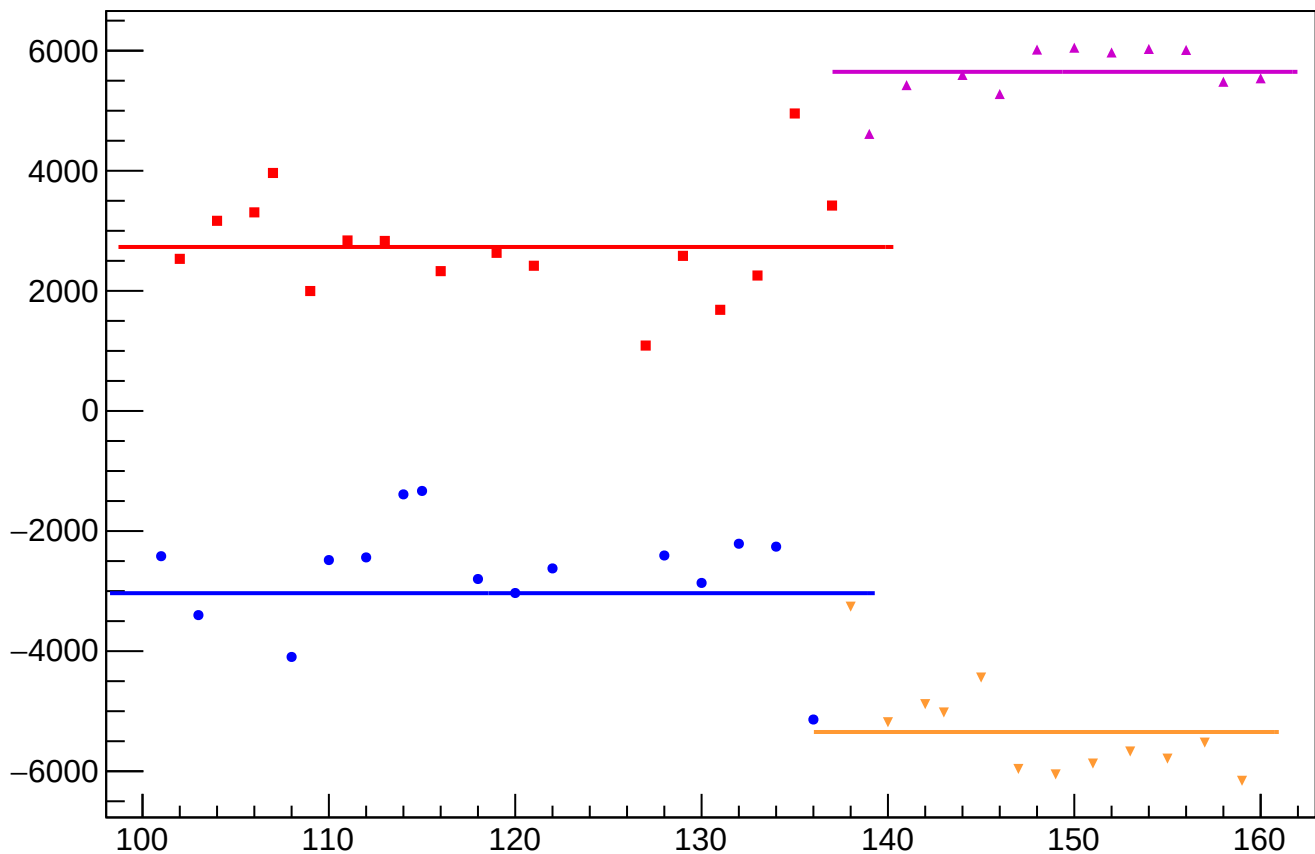
Left: -12.048 +/- 0.000 χ^2/NDF : 6529786806410777
 Right In: 213.739 +/- 0.000 χ^2/NDF : 19718138109054002114361149860507287552.0/14
 Right: -13.554 +/- 0.000 χ^2/NDF : 109883652295878
 Left Out: 185.948 +/- 0.000 χ^2/NDF : 1057706607595767583587974846640816128.0/10
 In: -25.504 +/- 0.000 χ^2/NDF : 83555095892474159
 Right Out: -234.712 +/- 0.000 χ^2/NDF : 24013134107167214895189050481067425792.0/15
 Out: 0.624 +/- 0.000 χ^2/NDF : 911015055676819525
 Left In: -193.543 +/- 0.000 χ^2/NDF : 598931150644293332680217057881489408.0/10
 All: -12.690 +/- 0.000 χ^2/NDF : 175183232937

dit_usl_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1186.635+/-0.000 χ^2/NDF : 38127290182419373090636614603236179968.0/10
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -42.327+/-0.000 χ^2/NDF : 433243619432

dit_usr_coil3_mean vs Slug, Sign Corrected



Right In: -3034.527+/-0.000

Left Out: -5346.287+/-0.000

Right Out: 2731.035+/-0.000

Left In: 5647.632+/-0.000

χ^2/NDF : 630694553353463868547335175090919702528.0/14

χ^2/NDF : 595830455774800553383002095782337708032.0/11

χ^2/NDF : 528290847703567991555694629239211950080.0/15

χ^2/NDF : 164214312908035645215126356935491715072.0/10

Left: 180.580+/-0.000 χ^2/NDF : 5629644567862069

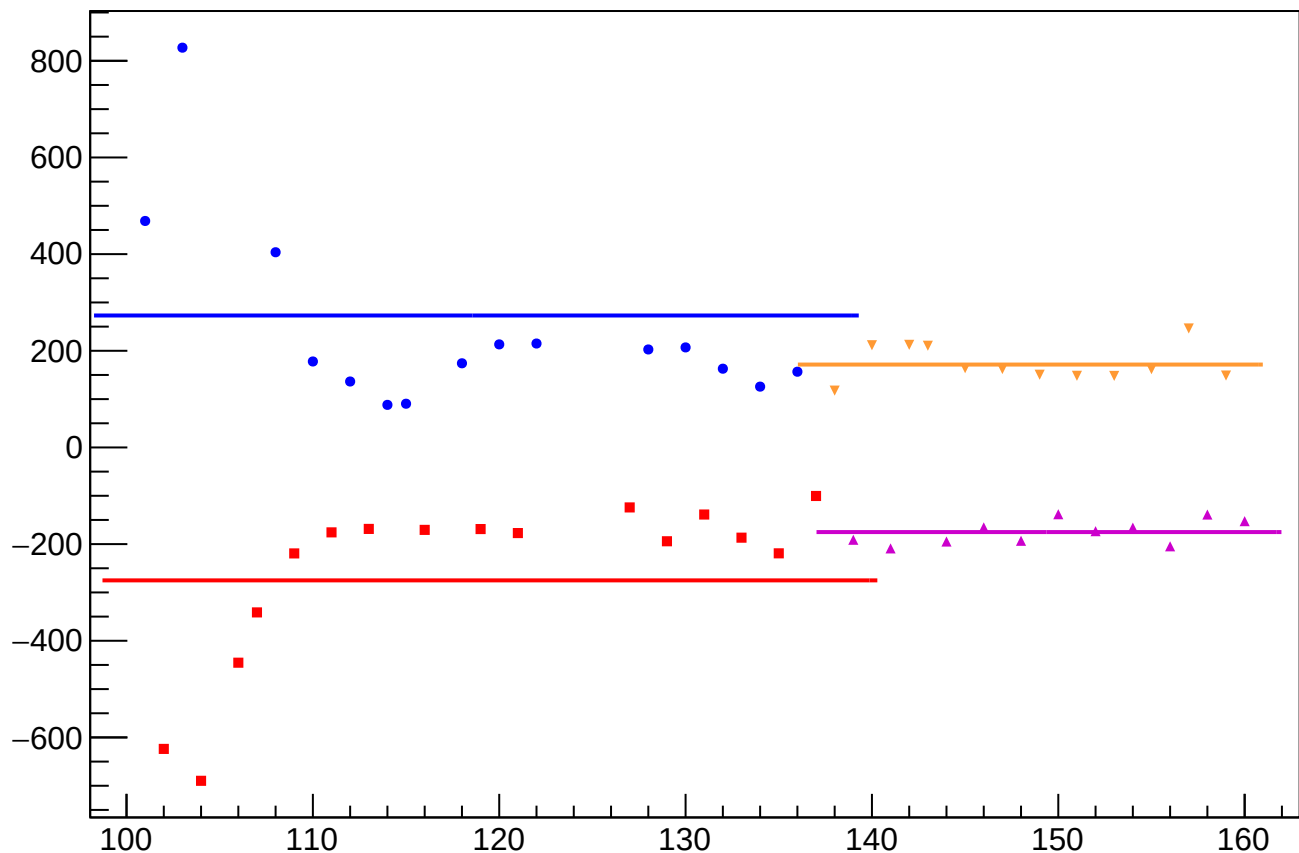
Right: -112.316+/-0.000 χ^2/NDF : 12093460154256

In: 2065.482+/-0.000 χ^2/NDF : 2953204271382502

Out: -1938.587+/-0.000 χ^2/NDF : 26282051967126

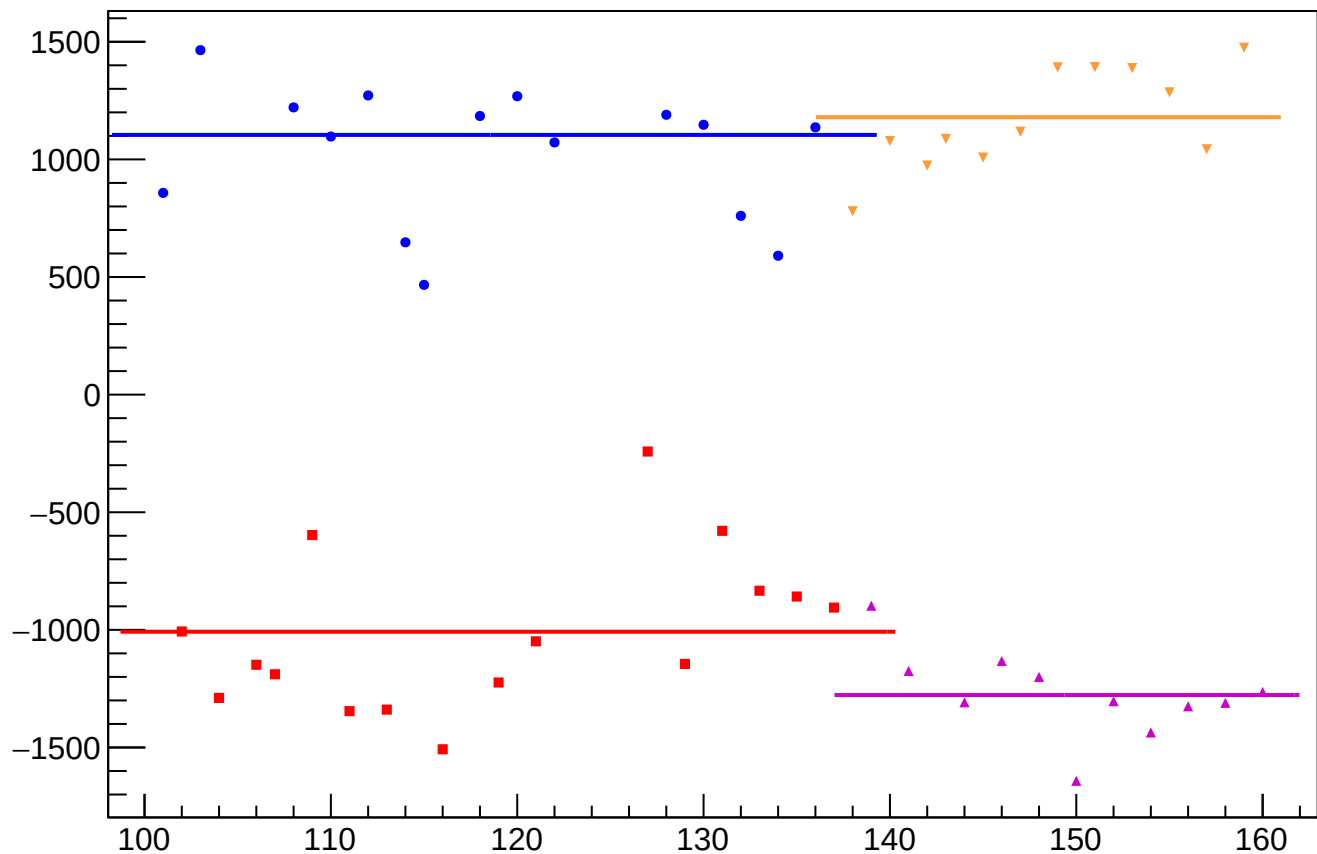
All: 58.370+/-0.000 χ^2/NDF : 6845569684778

dit_usr_coil3_err_mean vs Slug, Sign Corrected



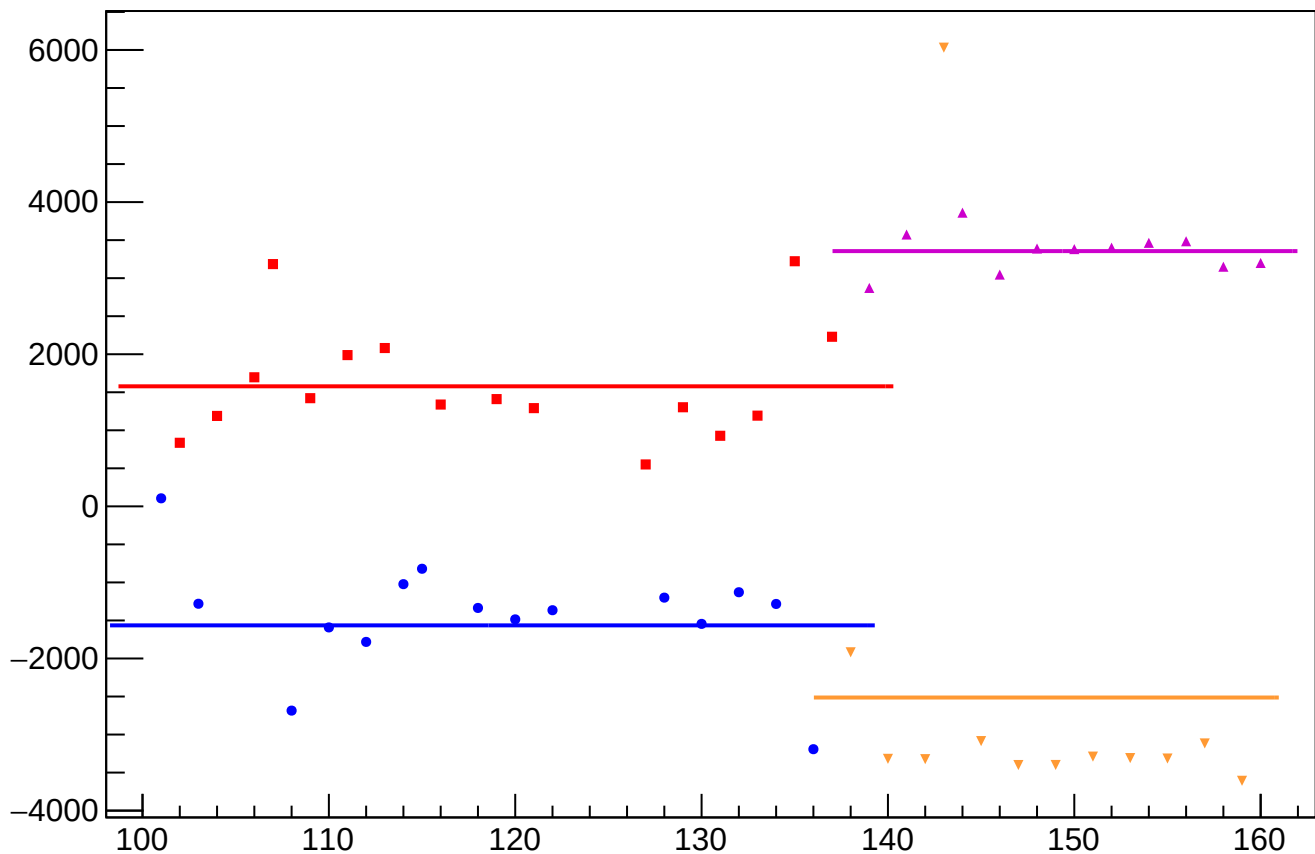
Right In: 273.039+/-0.000 χ^2/NDF : 26485935053341175092913795212184125440.0/14
 Left Out: 171.517+/-0.000 χ^2/NDF : 1162204446124418452265763444206075904.0/11
 Right Out: -275.044+/-0.000 χ^2/NDF : 22264760088752901792561892991657050112.0/15
 Left In: -175.100+/-0.000 χ^2/NDF : 532319905760316522814470909096624128.0/10
 All: -3.576+/-0.000 χ^2/NDF : 2044639421545

dit_usr_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_atl1_coil3_mean vs Slug, Sign Corrected



Right In: -1564.595+/-0.000

Left Out: -2513.182+/-0.000

Right Out: 1578.178+/-0.000

Left In: 3355.712+/-0.000

χ^2/NDF : 483874800978571042578975757029039144960.0/14

χ^2/NDF : 5431127813565364988673729418683400323072.0/11

χ^2/NDF : 368450572556217564071963203581098590208.0/15

χ^2/NDF : 61603128430044333980990125877093203968.0/10

Left: 437.231+/-0.000 χ^2/NDF : 2131924326486959

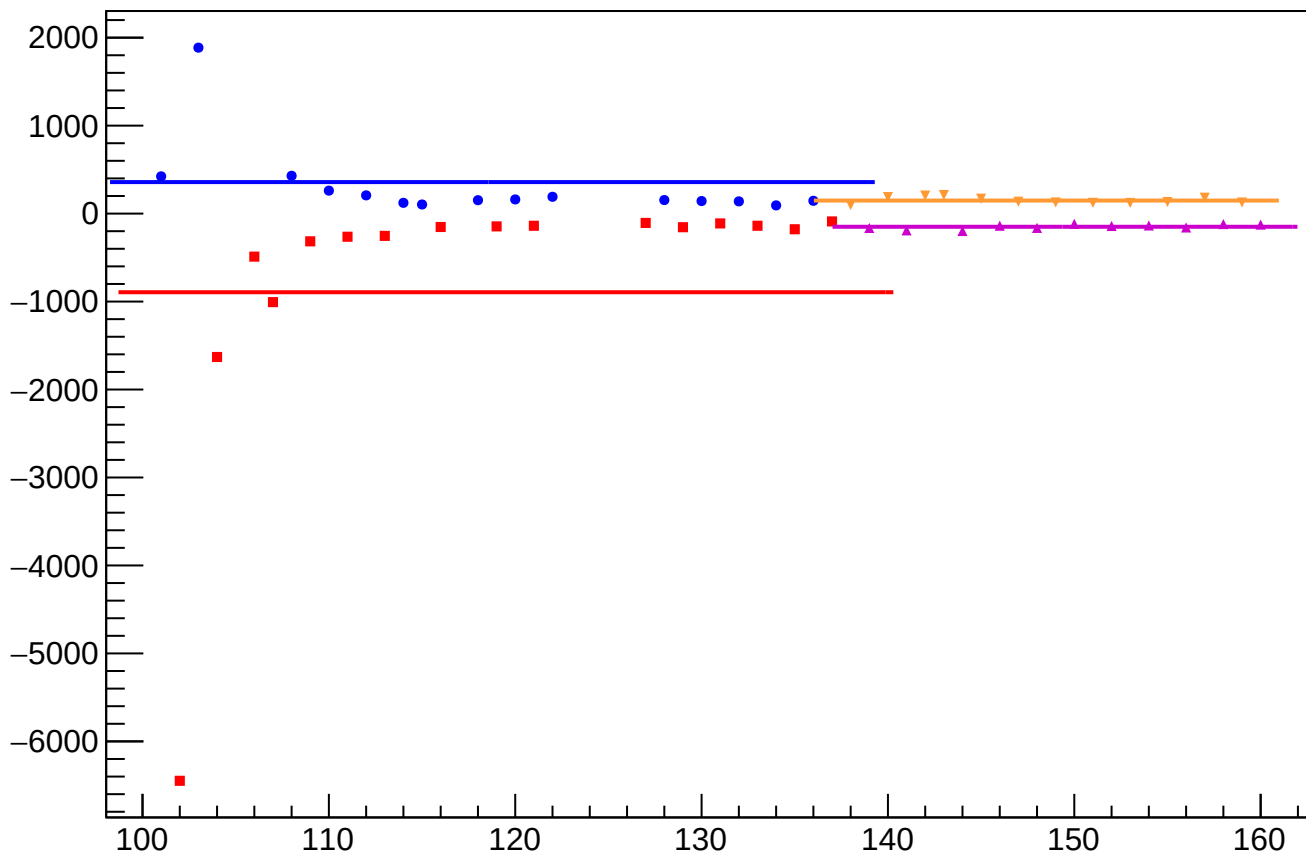
Right: 28.285+/-0.000 χ^2/NDF : 4101258280925694

In: 1325.655+/-0.000 χ^2/NDF : 9774855555761575

Out: -787.099+/-0.000 χ^2/NDF : 122542710245159

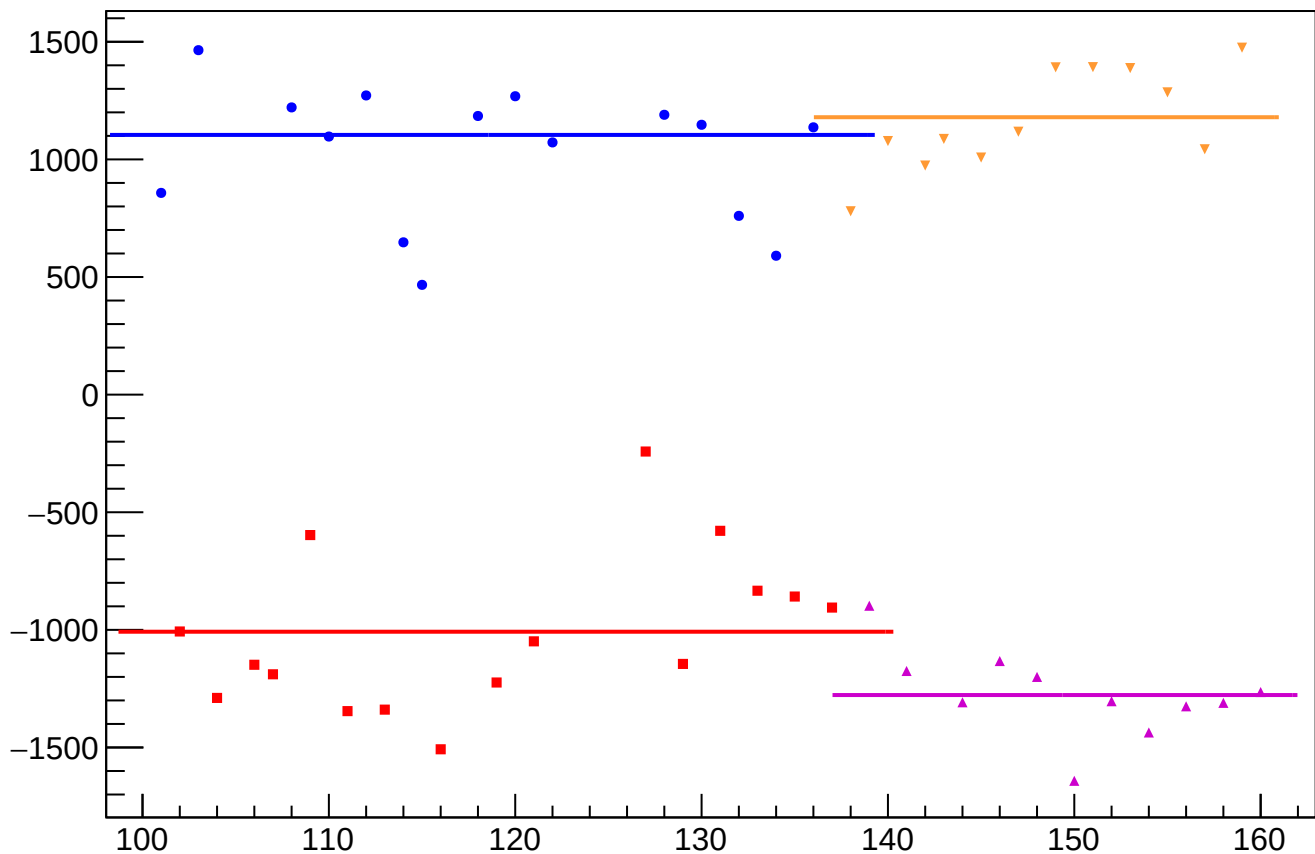
All: 266.599+/-0.000 χ^2/NDF : 255487557311

dit_atl1_coil3_err_mean vs Slug, Sign Corrected



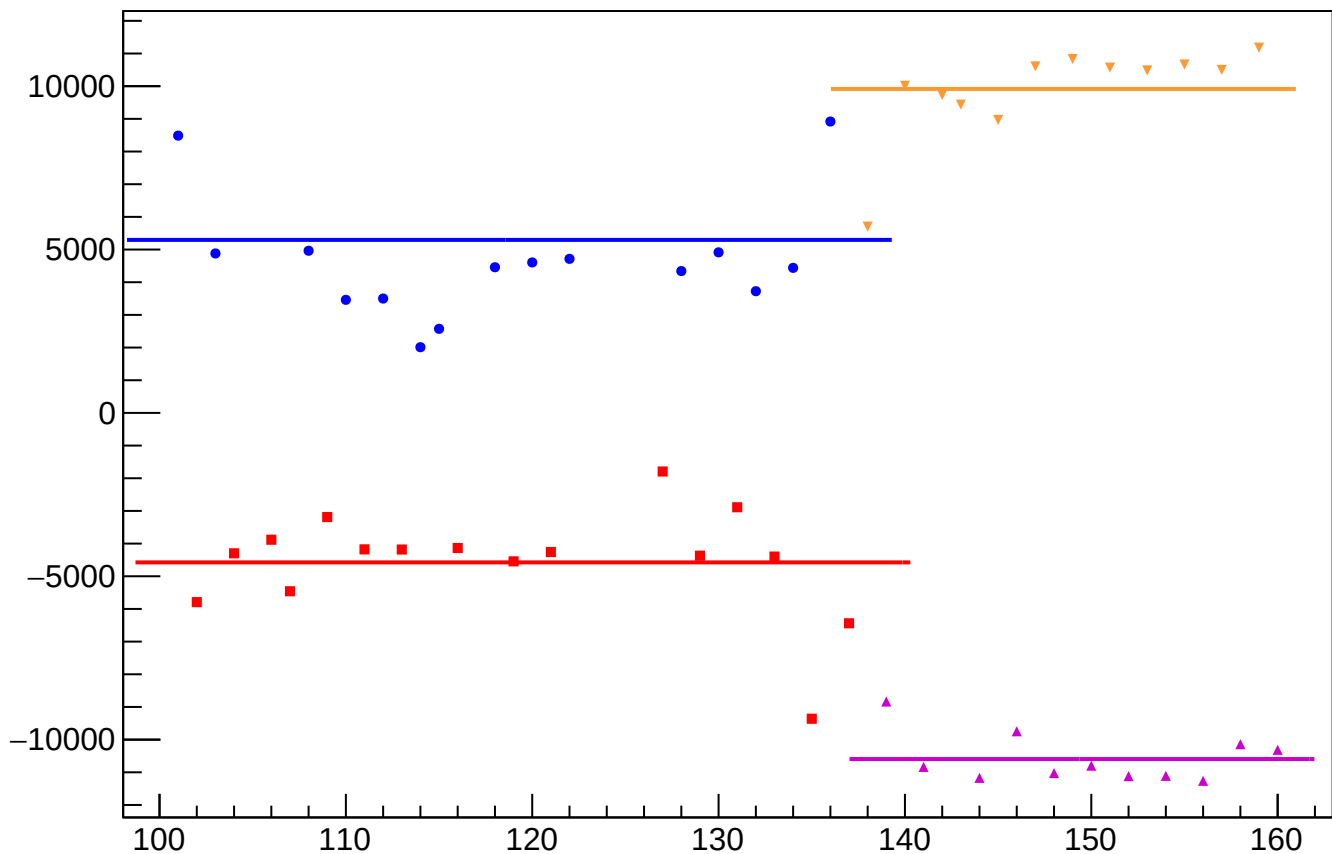
Right In: 358.080 ± 0.000 $\chi^2/\text{NDF}: 157922789145697858165644452090202816512.0/14$
 Left Out: 148.359 ± 0.000 $\chi^2/\text{NDF}: 1090286331733366082581256970807803904.0/11$
 Right Out: -893.897 ± 0.000 $\chi^2/\text{NDF}: 2075920155774201043572695656797803905024.0/15$
 Left In: -149.829 ± 0.000 $\chi^2/\text{NDF}: 645756718172892804384604635004928000.0/10$
 All: -116.258 ± 0.000 $\chi^2/\text{NDF}: 28499930865$

dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected



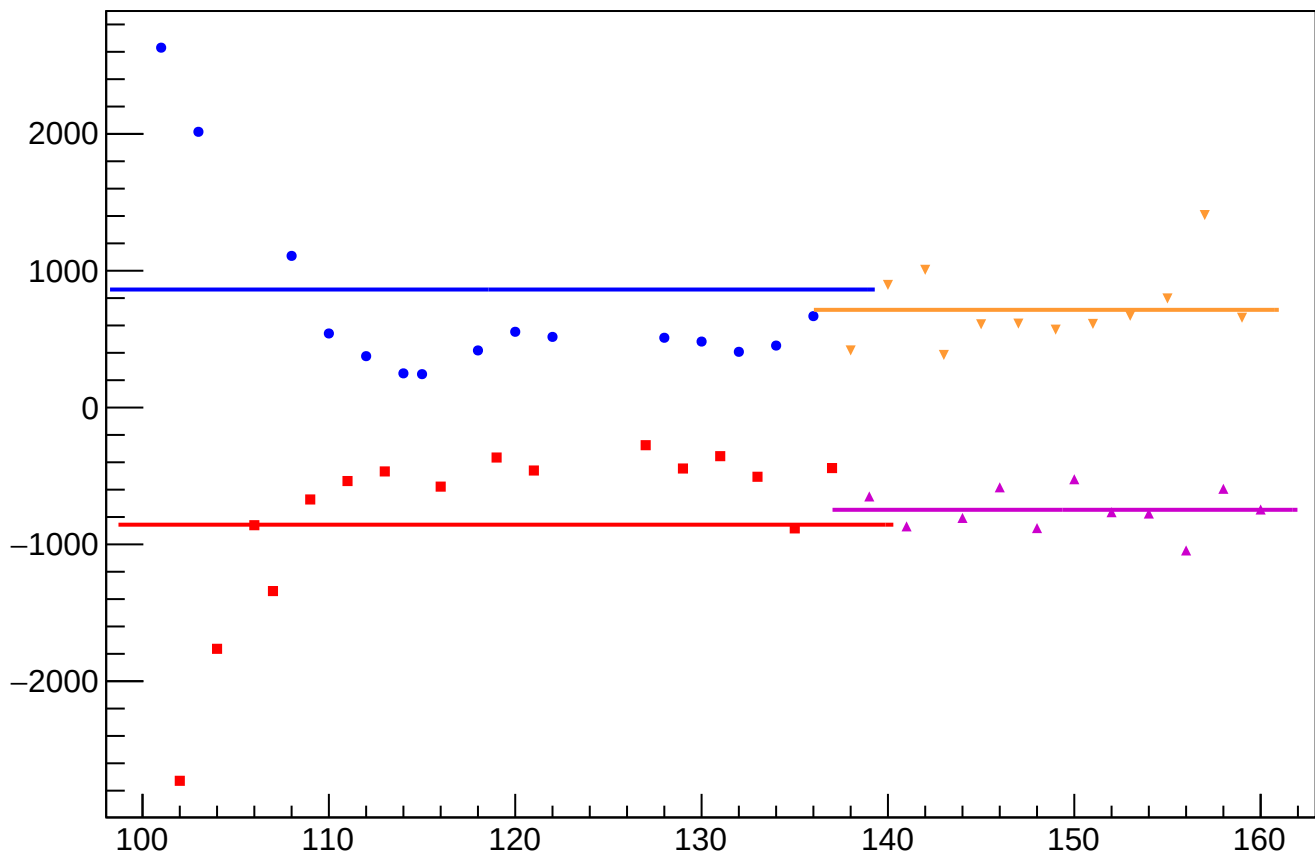
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_atl2_coil3_mean vs Slug, Sign Corrected



Right In: 5295.485+/-0.000 χ^2/NDF : 2505645232968263275444048016093183213568.0/14
 Left Out: 9916.420+/-0.000 χ^2/NDF : 1840714392757174837254481771479116546048.0/11
 Right Out: -4575.270+/-0.000 χ^2/NDF : 1863322094770403739096100800072716910592.0/15
 Left In: -10594.095+/-0.000 χ^2/NDF : 469955671378487676963254464485150162944.0/10
 All: -107.886+/-0.000 χ^2/NDF : 23238819396

dit_atl2_coil3_err_mean vs Slug, Sign Corrected



Right In: 862.683+/-0.000

χ^2/NDF : 337684000863819315026459106525759668224.0/14

Left Out: 714.221+/-0.000

χ^2/NDF : 63936823657083124140922251637065515008.0/11

Right Out: -856.059+/-0.000

χ^2/NDF : 327195216546444767148716224688288694272.0/15

Left In: -747.275+/-0.000

χ^2/NDF : 19678847395727730098310642242030665728.0/10

Left: -20.503+/-0.000 χ^2/NDF : 1065064961511877

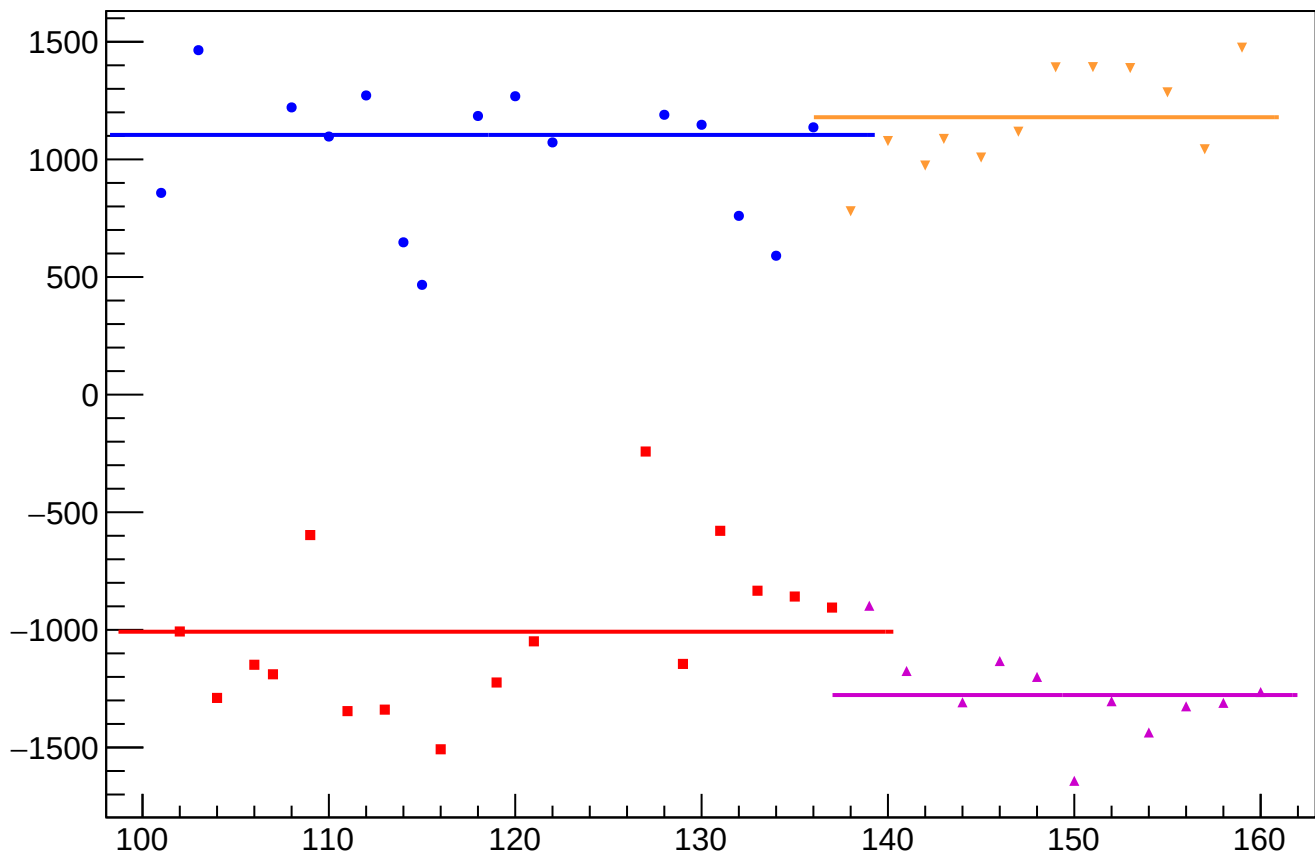
Right: -8.442+/-0.000 χ^2/NDF : 1636587396882894

In: -83.027+/-0.000 χ^2/NDF : 13454995318402178

Out: 51.744+/-0.000 χ^2/NDF : 13419429235658595

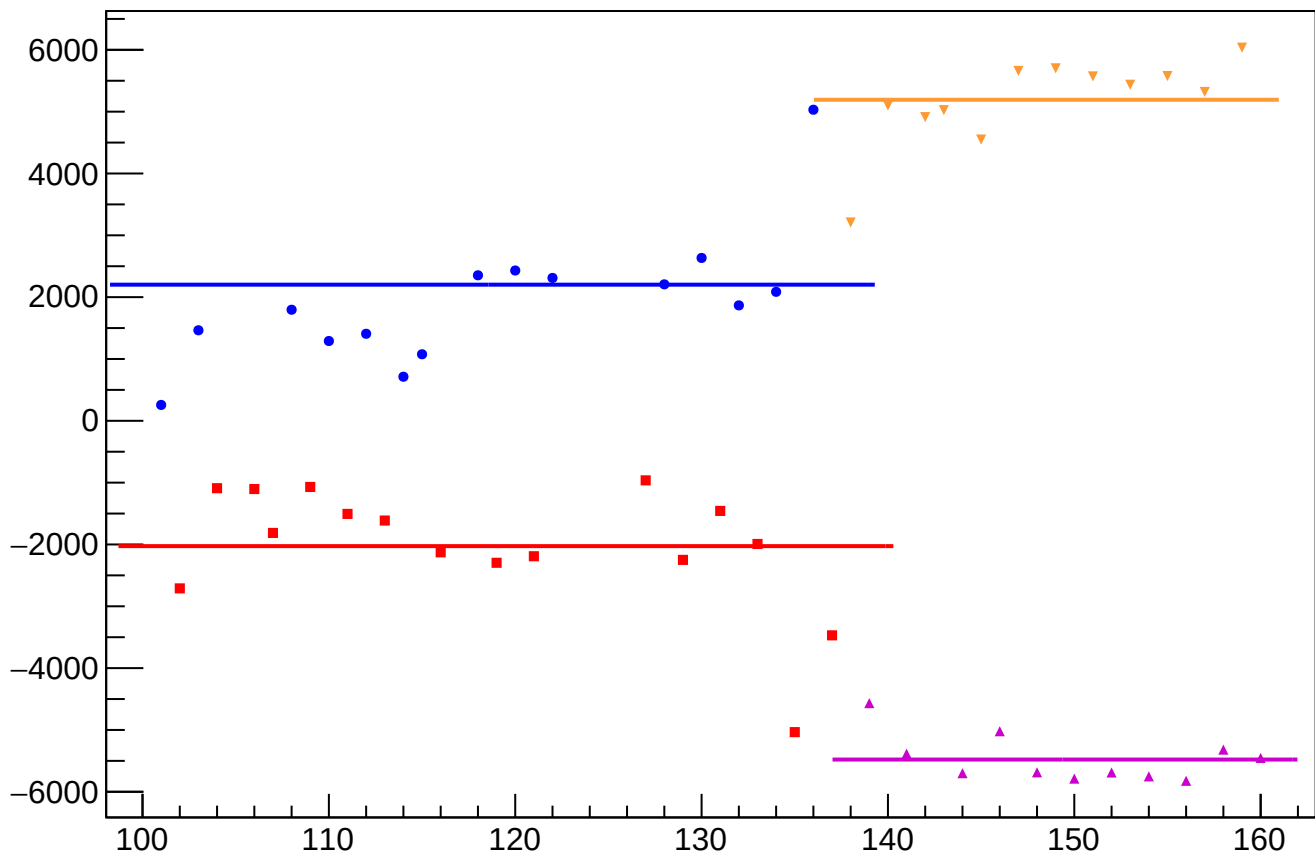
All: -15.471+/-0.000 χ^2/NDF : 270176391125

dit_atl2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_atr1_coil3_mean vs Slug, Sign Corrected



Right In: 2201.844+/-0.000

χ^2/NDF : 1086544775216266395419904724422998622208.0/14

Left Out: 5192.476+/-0.000

χ^2/NDF : 470317118435532937200148346508624789504.0/11

Right Out: -2026.969+/-0.000

χ^2/NDF : 708626456603410705124518299956645199872.0/15

Left In: -5478.713+/-0.000

χ^2/NDF : 124186054771424011873849346802583601152.0/10

Left: -172.148+/-0.000 χ^2/NDF : 529181779614152

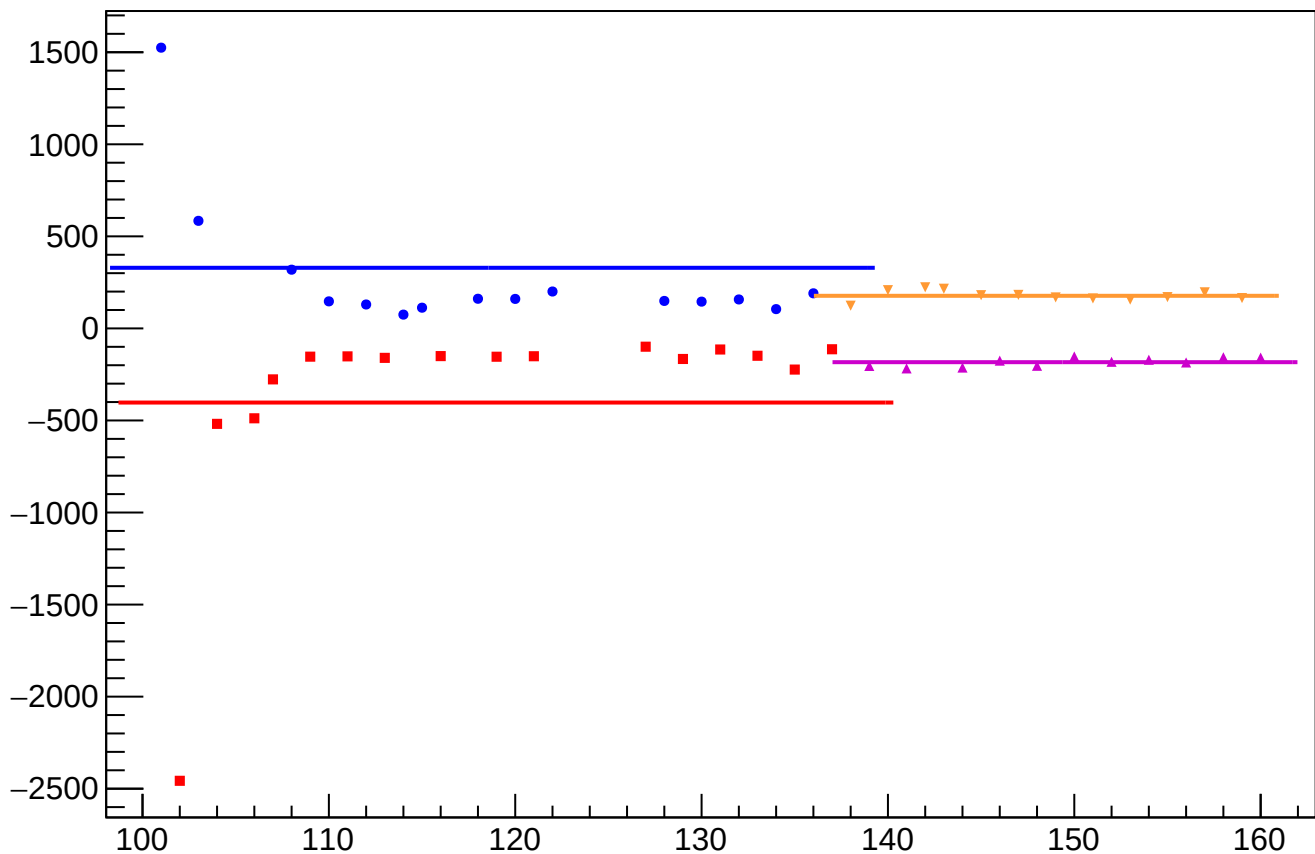
Right: 58.517+/-0.000 χ^2/NDF : 7677530711207331

In: -2309.812+/-0.000 χ^2/NDF : 236998936360445

Out: 2146.701+/-0.000 χ^2/NDF : 212767096674295

All: -75.903+/-0.000 χ^2/NDF : 606365125250

dit_atr1_coil3_err_mean vs Slug, Sign Corrected



Right In: 329.229+/-0.000

χ^2/NDF : 103285029091922742033837903437132464128.0/14

Left Out: 177.101+/-0.000

χ^2/NDF : 604256347376555065664943941601984512.0/11

Right Out: -402.690+/-0.000

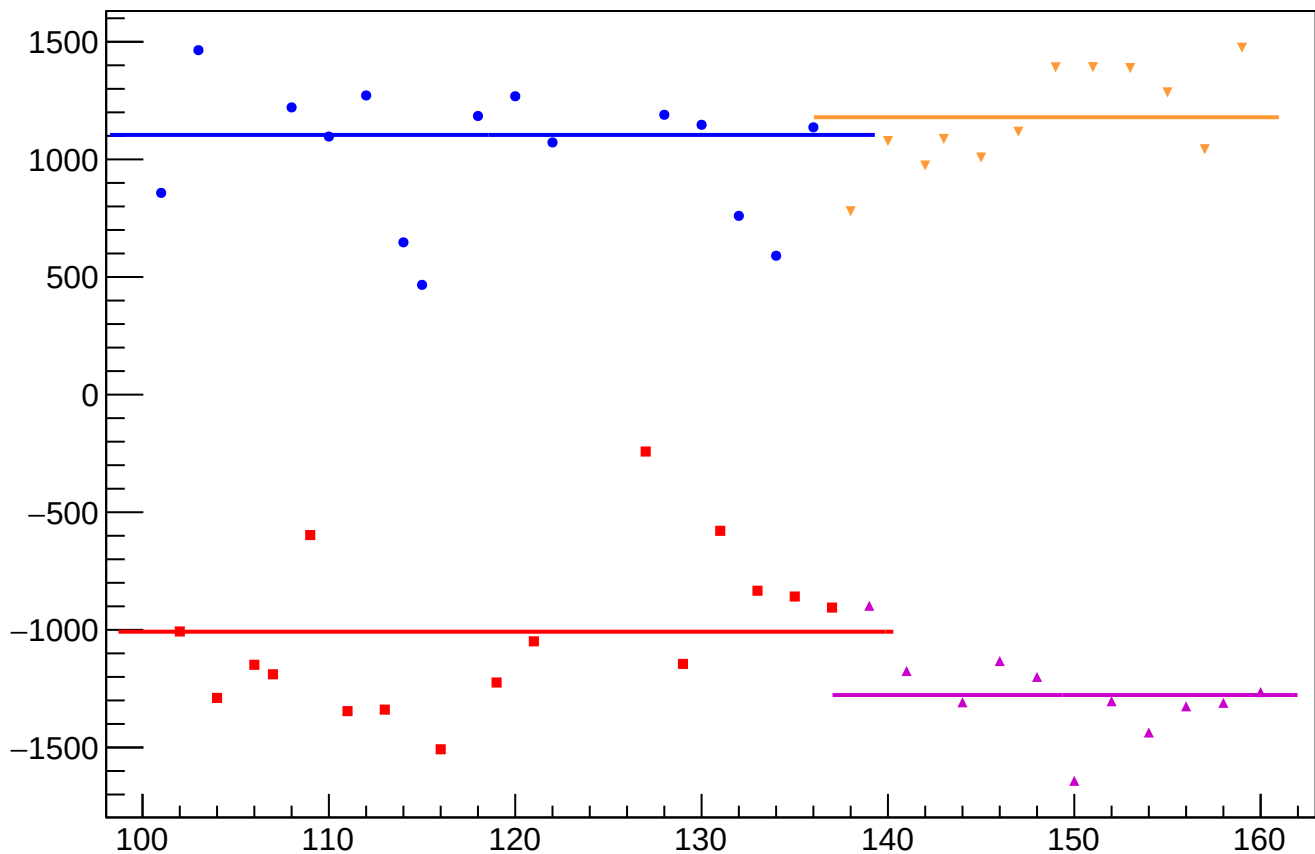
χ^2/NDF : 277636056793293374242116053515003494400.0/15

Left In: -183.411+/-0.000

χ^2/NDF : 452789814018275751637875535657304064.0/10

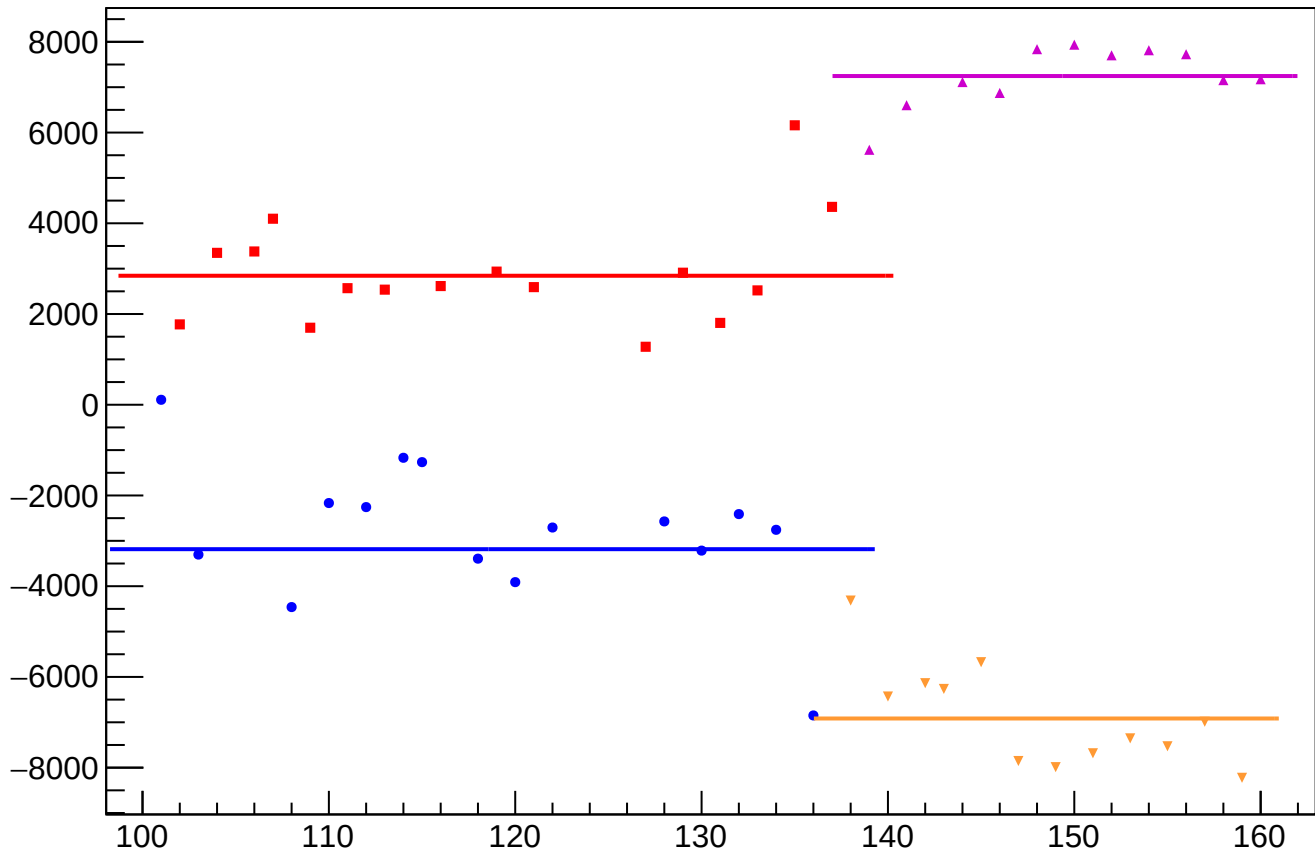
All: -19.824+/-0.000 χ^2/NDF : 618995356861

dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000	χ^2/NDF : 32737841591587454251521906421545304064.0/14	Left: -55.563+/-0.000	χ^2/NDF : 2840892210996509
Left Out: 1179.336+/-0.000	χ^2/NDF : 38742916032610862911819544133355175936.0/11	Right: 33.659+/-0.000	χ^2/NDF : 1569083056347410
Right Out: -1007.906+/-0.000	χ^2/NDF : 69077878009873965622695939627477368832.0/15	In: -294.641+/-0.000	χ^2/NDF : 2223953426306853
Left In: -1277.097+/-0.000	χ^2/NDF : 29578729901602647998073818936097374208.0/10	Out: 256.572+/-0.000	χ^2/NDF : 1952554182211910
	All: -18.335+/-0.000	χ^2/NDF : 441608022845	

dit_atr2_coil3_mean vs Slug, Sign Corrected



Right In: -3183.928+/-0.000

Left Out: -6916.269+/-0.000

Right Out: 2843.597+/-0.000

Left In: 7245.920+/-0.000

χ^2/NDF : 2134923281384422537296044119642733543424.0/14

χ^2/NDF : 1116807093678978049721043579861444067328.0/11

χ^2/NDF : 947077611563723244705531091944015396864.0/15

χ^2/NDF : 401760462783969098772010925007315140608.0/10

Left: 203.352+/-0.000 χ^2/NDF : 9367664182142015

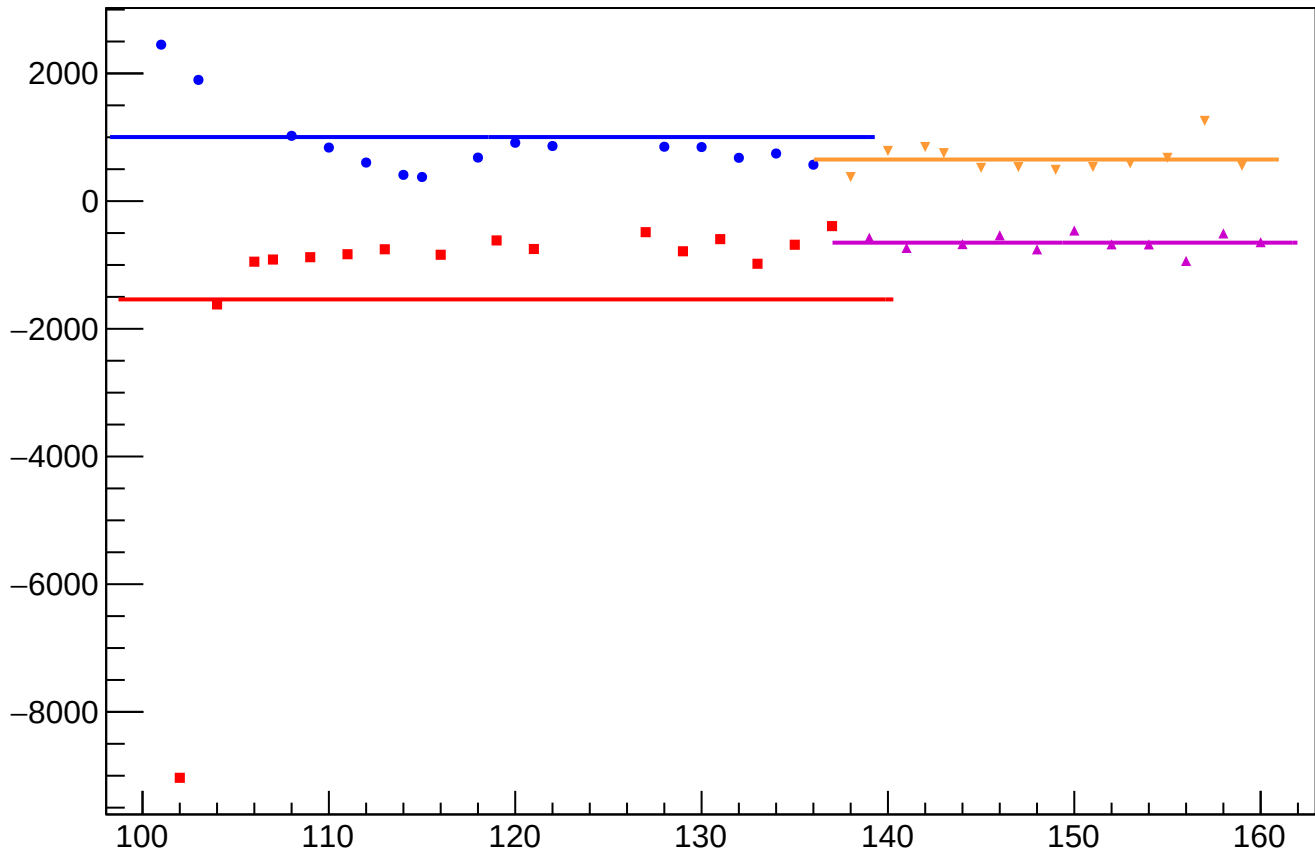
Right: -128.944+/-0.000 χ^2/NDF : 15032681342441

In: 2942.696+/-0.000 χ^2/NDF : 440076230139336

Out: -2798.729+/-0.000 χ^2/NDF : 38794467171221

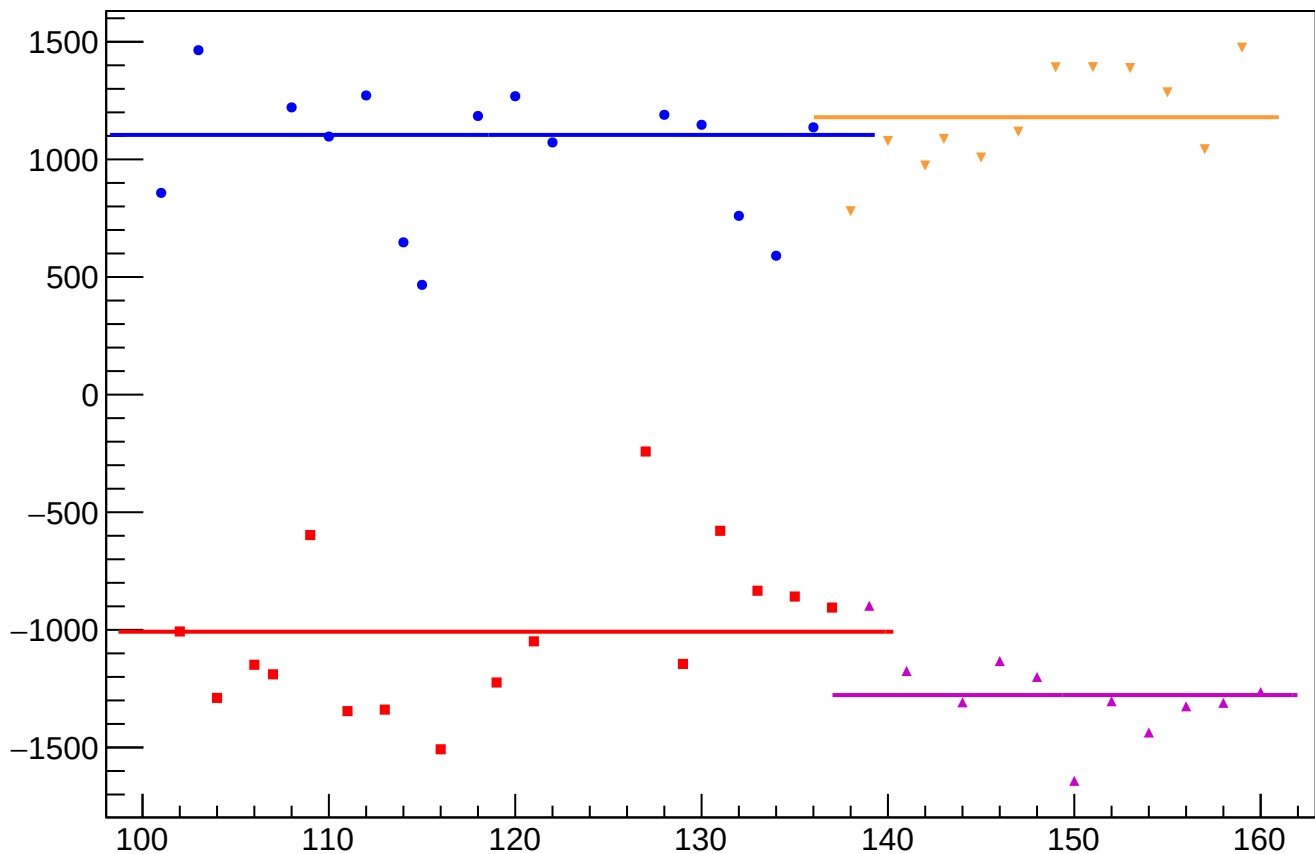
All: 64.702+/-0.000 χ^2/NDF : 1087940046919

dit_atr2_coil3_err_mean vs Slug, Sign Corrected



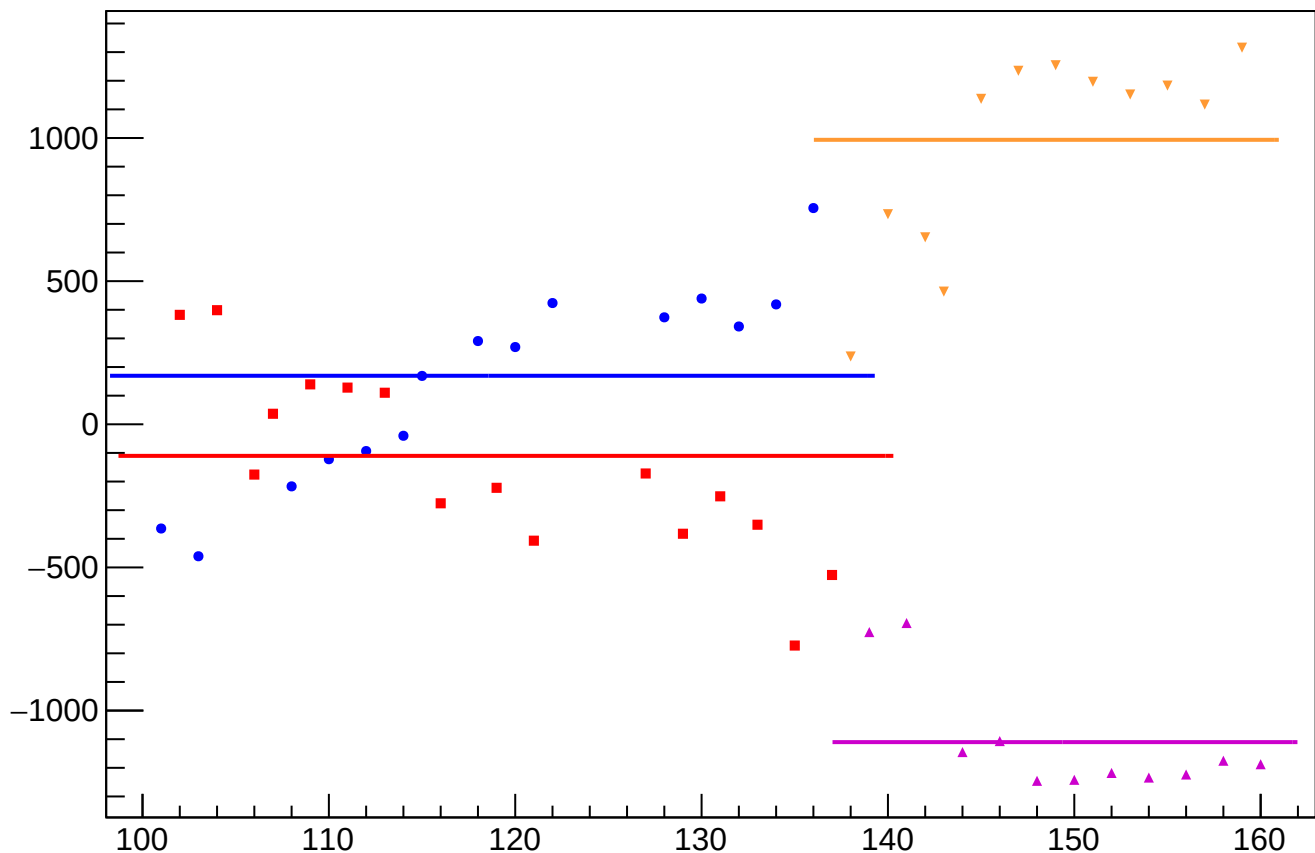
Right In: 1003.407+/-0.000 χ^2/NDF : 219815257294811198811064619822196195328.0/14
 Left Out: 651.582+/-0.000 χ^2/NDF : 45579416700188389340899783793497341952.0/11
 Right Out: -1539.568+/-0.000 χ^2/NDF : 3614774785297482293145354574125437288448.0/15
 Left In: -650.769+/-0.000 χ^2/NDF : 14776465774858799846922535858394365952.0/10
 All: -120.940+/-0.000 χ^2/NDF : 68625749232

dit_atr2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam1_coil3_mean vs Slug, Sign Corrected



Right In: 169.489 +/- 0.000

χ^2/NDF : 95435894585210891032426613567490359296.0/14

Left Out: 993.680 +/- 0.000

χ^2/NDF : 103871744093271862136270527542037839872.0/11

Right Out: -110.289 +/- 0.000

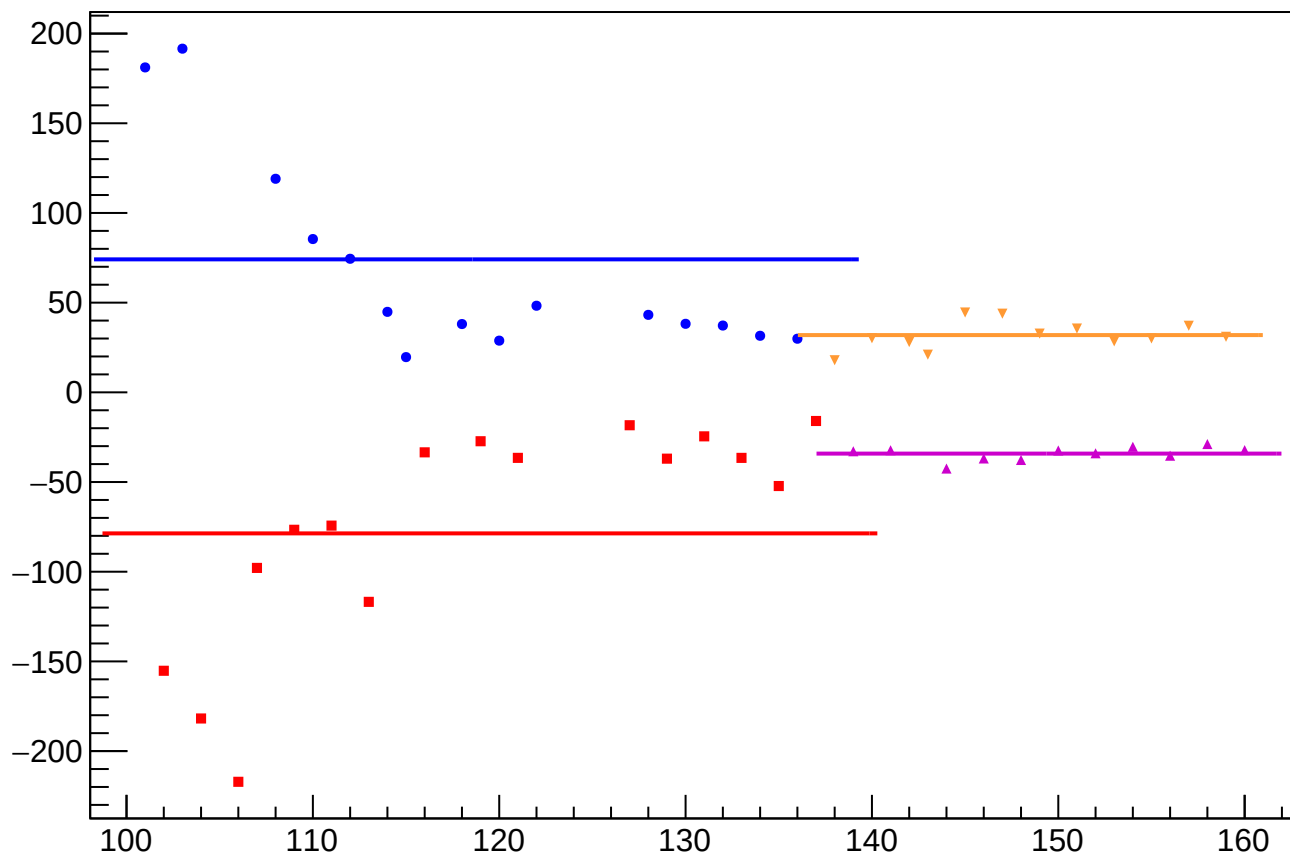
χ^2/NDF : 71770784102052938523592716508479881216.0/15

Left In: -1110.204 +/- 0.000

χ^2/NDF : 34078671675207101758695575343264169984.0/10

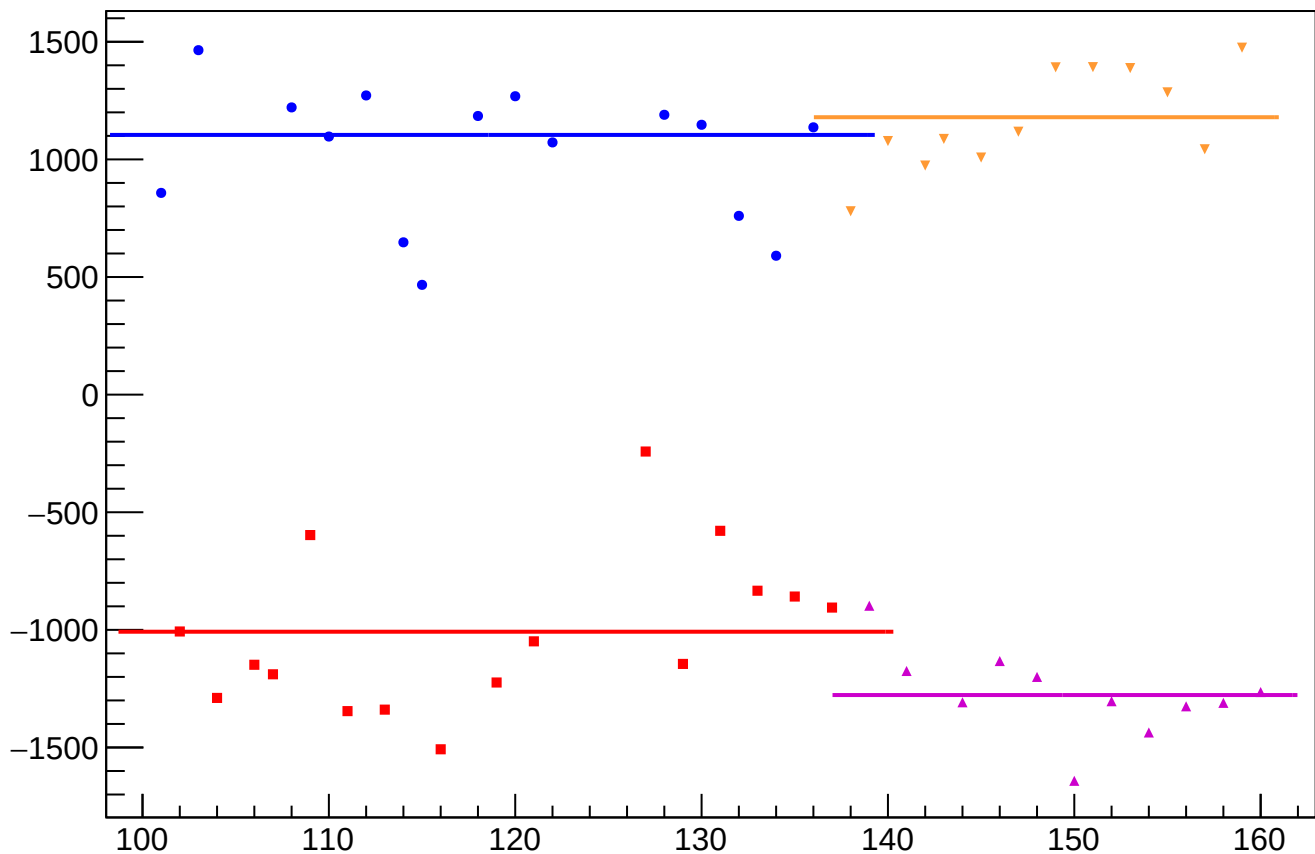
All: -25.735 +/- 0.000 χ^2/NDF : 237118807737

dit_sam1_coil3_err_mean vs Slug, Sign Corrected



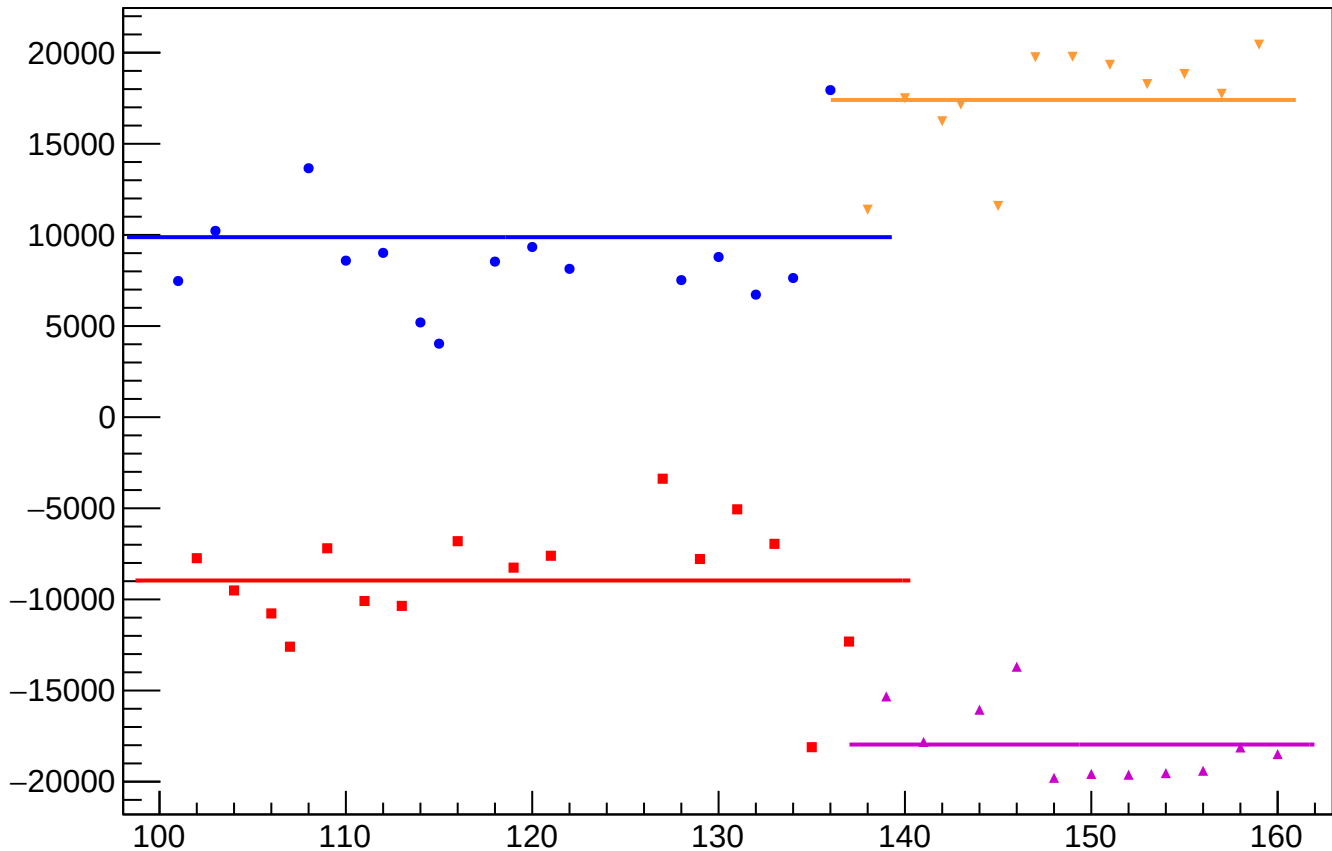
Right In: 74.129+/-0.000 χ^2/NDF : 2168375717401207322620658258081218560.0/14
 Left Out: 31.916+/-0.000 χ^2/NDF : 52391134971476446801164737802403840.0/11
 Right Out: -78.633+/-0.000 χ^2/NDF : 2343230336879830638767678903539466240.0/15
 Left In: -34.158+/-0.000 χ^2/NDF : 12535781757096828038064244290224128.0/10
 All: -2.134+/-0.000 χ^2/NDF : 1426173775487

dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected



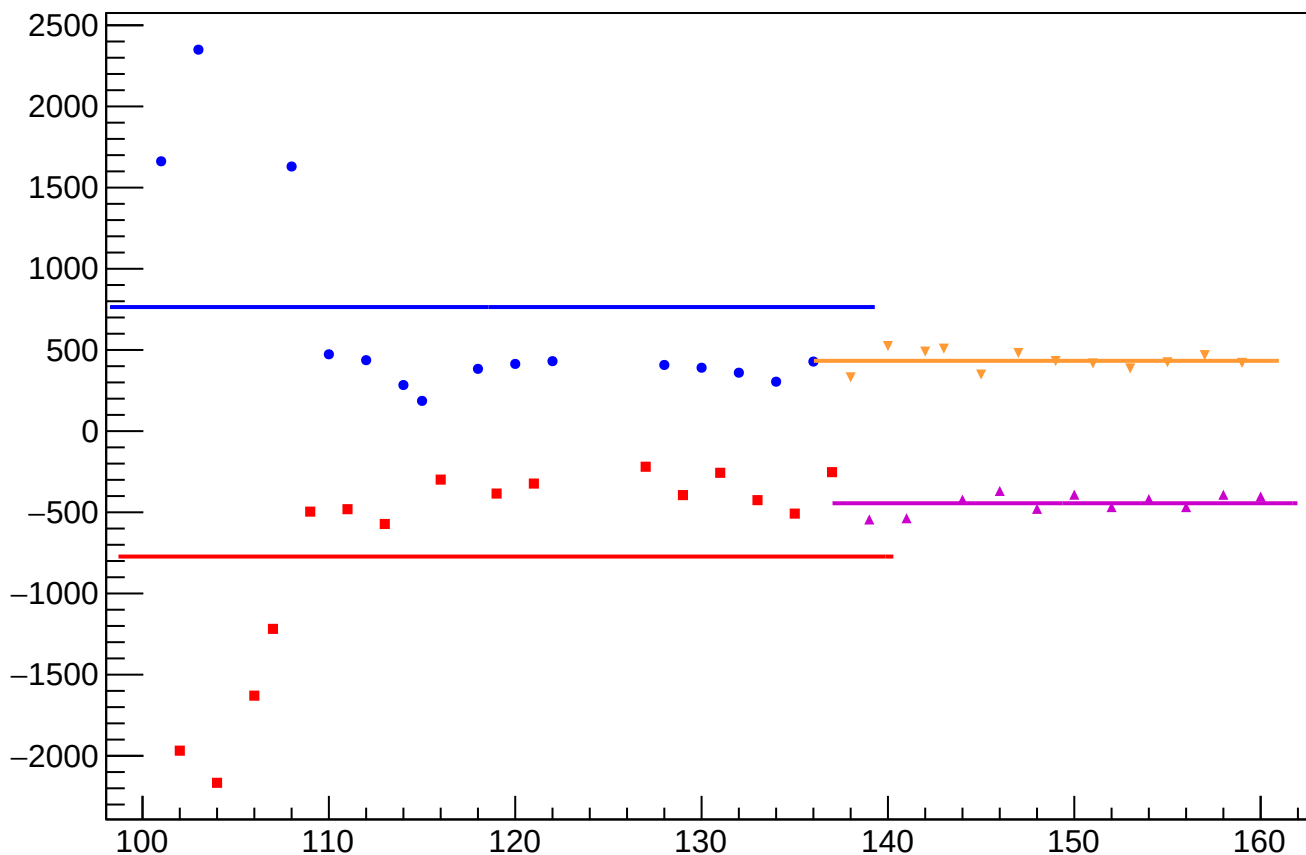
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam2_coil3_mean vs Slug, Sign Corrected



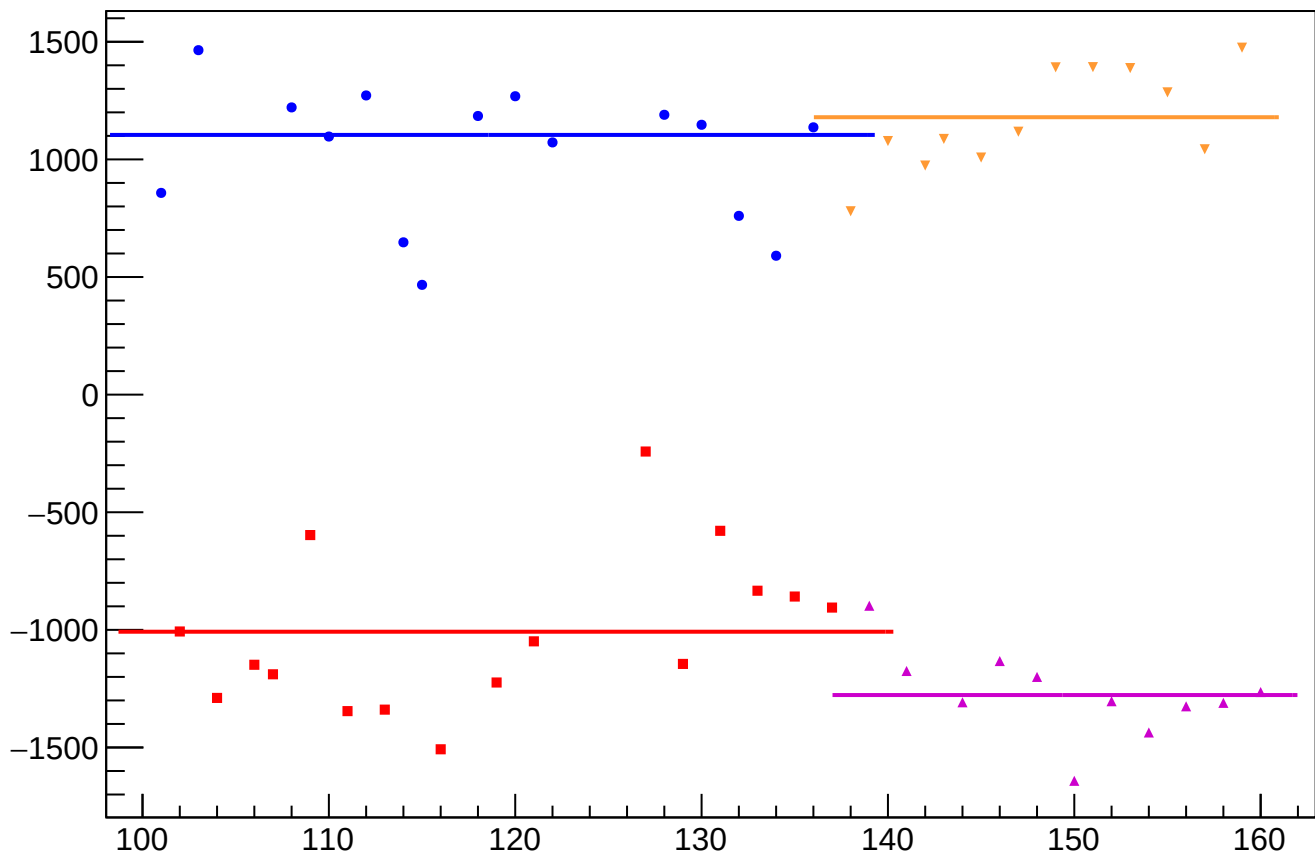
Right In: 9876.530 ± 0.000 $\chi^2/\text{NDF}: 8483360287053054122301651905797133697024.0/14$
 Left Out: 17405.049 ± 0.000 $\chi^2/\text{NDF}: 7689801671099378791544545422175664865280.0/11$
 Right Out: -8961.593 ± 0.000 $\chi^2/\text{NDF}: 7583728644146461427304320888408335450112.0/15$
 Left In: -17962.529 ± 0.000 $\chi^2/\text{NDF}: 3564698291142811133043344688261317525504.0/10$
 All: -81.381 ± 0.000 $\chi^2/\text{NDF}: 719188962323$

dit_sam2_coil3_err_mean vs Slug, Sign Corrected



Right In: 764.284+/-0.000 χ^2/NDF : 290964758058269480005067205020030599168.0/14
 Left Out: 433.079+/-0.000 χ^2/NDF : 3070370524438239159273190119476035584.0/11
 Right Out: -772.547+/-0.000 χ^2/NDF : 285902138904642401278625587631891677184.0/15
 Left In: -444.245+/-0.000 χ^2/NDF : 2906625839452991270105053894151241728.0/10
 All: -10.754+/-0.000 χ^2/NDF : 171344684046

dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1179.336+/-0.000

χ^2/NDF : 38742916032610862911819544133355175936.0/11

Right Out: -1007.906+/-0.000

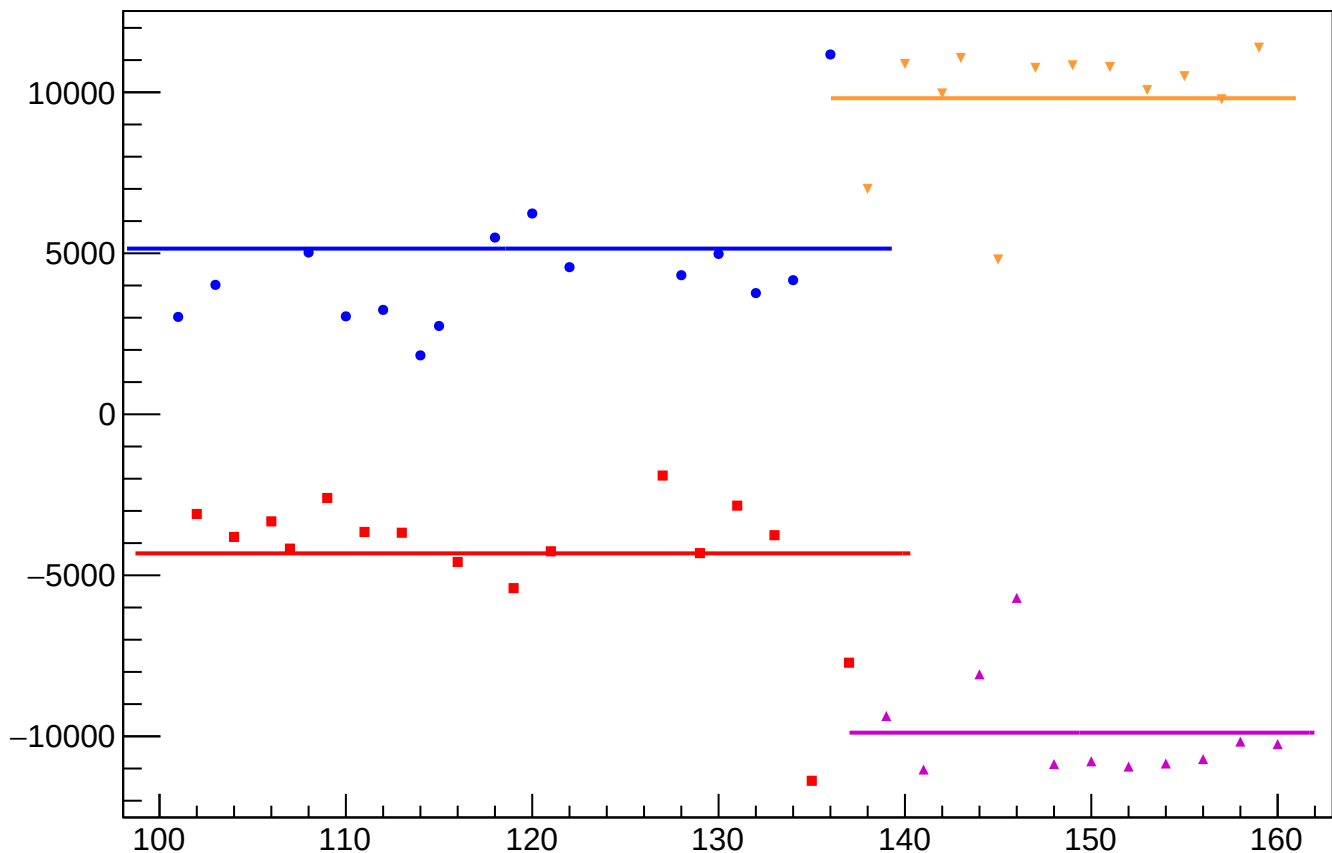
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

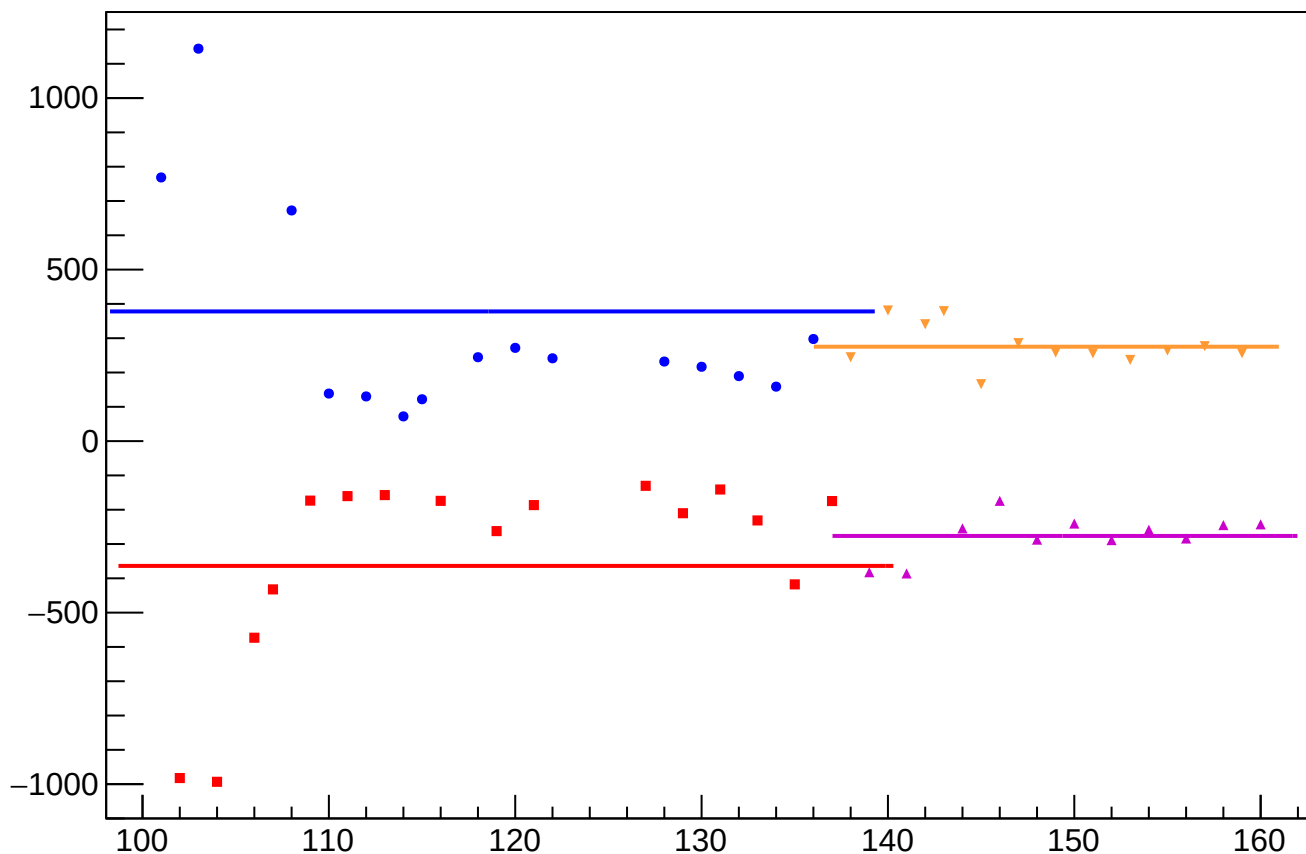
All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam3_coil3_mean vs Slug, Sign Corrected



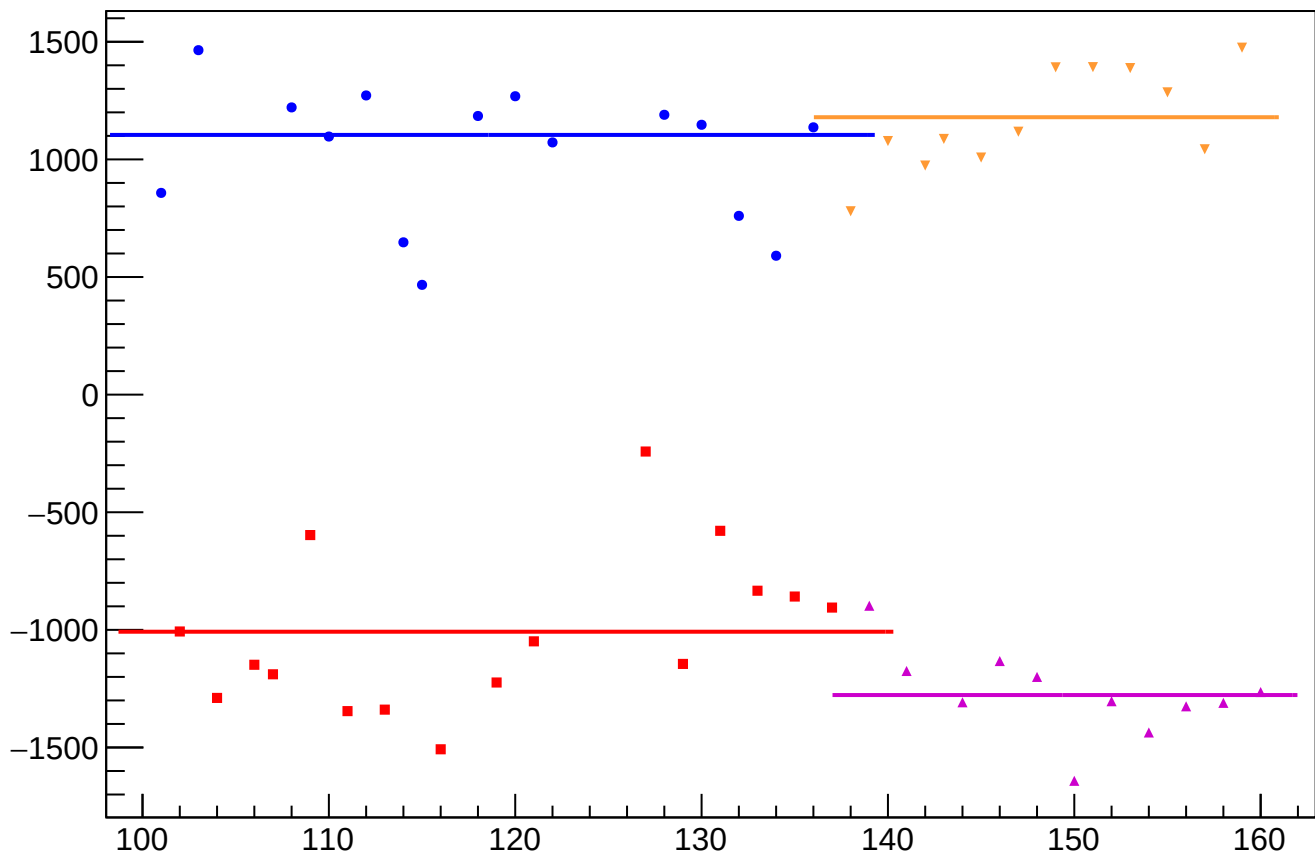
Right In: 5145.657+/-0.000 χ^2/NDF : 4272867262459372237810540195851662262272.0/14
 Left Out: 9815.736+/-0.000 χ^2/NDF : 3242126212507286714618316704208262266880.0/11
 Right Out: -4318.126+/-0.000 χ^2/NDF : 3345176554564755427312533888908526616576.0/15
 Left In: -9887.069+/-0.000 χ^2/NDF : 2278516780225824082632420288802127347712.0/10
 All: 93.618+/-0.000 χ^2/NDF : 2211196592737

dit_sam3_coil3_err_mean vs Slug, Sign Corrected



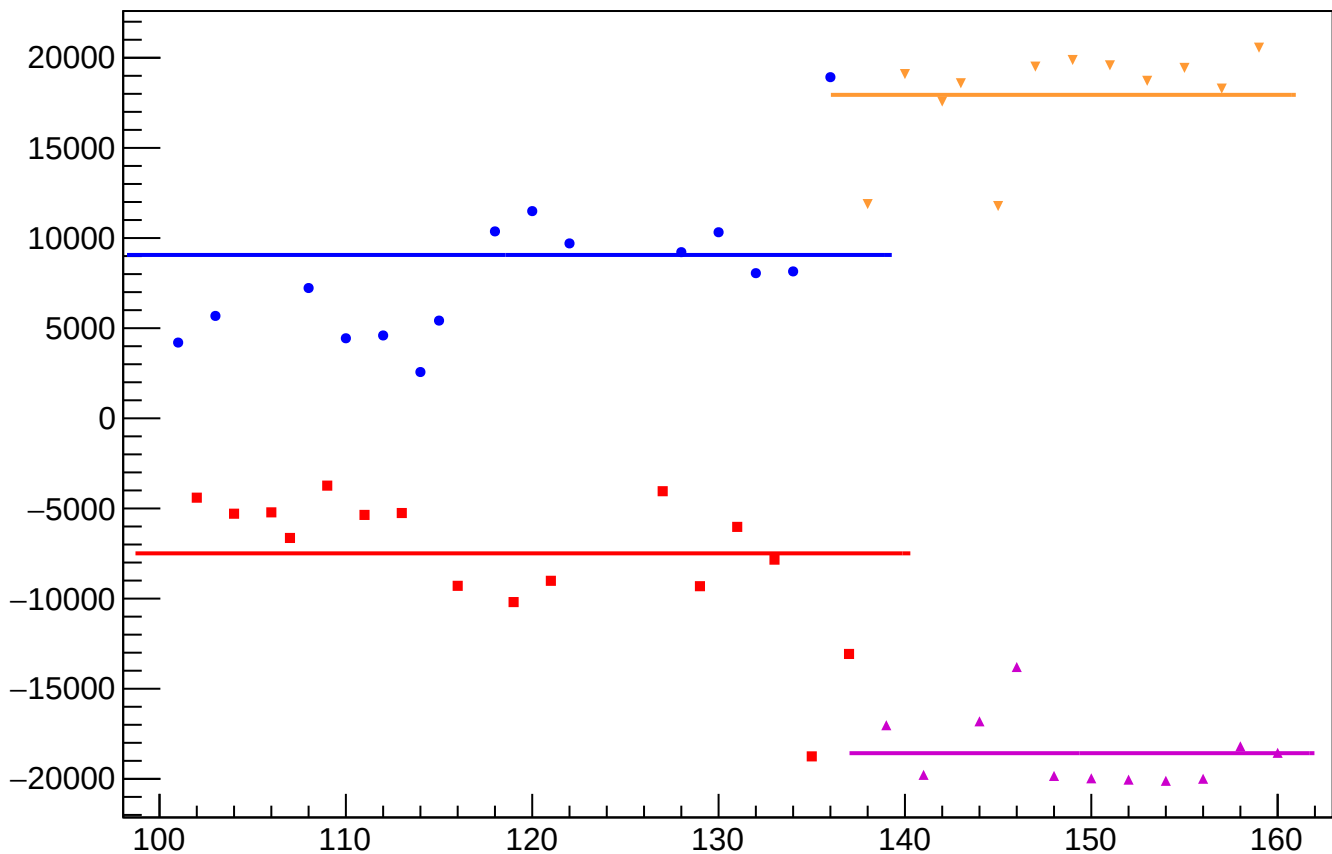
Right In: 378.052 $\pm$ 0.000 χ^2 /NDF: 61516590022593053040860760861331947520.0/14
 Left Out: 275.181 $\pm$ 0.000 χ^2 /NDF: 3063973924838483752648023856495198208.0/11
 Right Out: -363.772 $\pm$ 0.000 χ^2 /NDF: 59031337484709801804181439342706688000.0/15
 Left In: -276.429 $\pm$ 0.000 χ^2 /NDF: 3176476969276554988209041450490396672.0/10
 All: -0.376 $\pm$ 0.000 χ^2 /NDF: 4476277184699

dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected



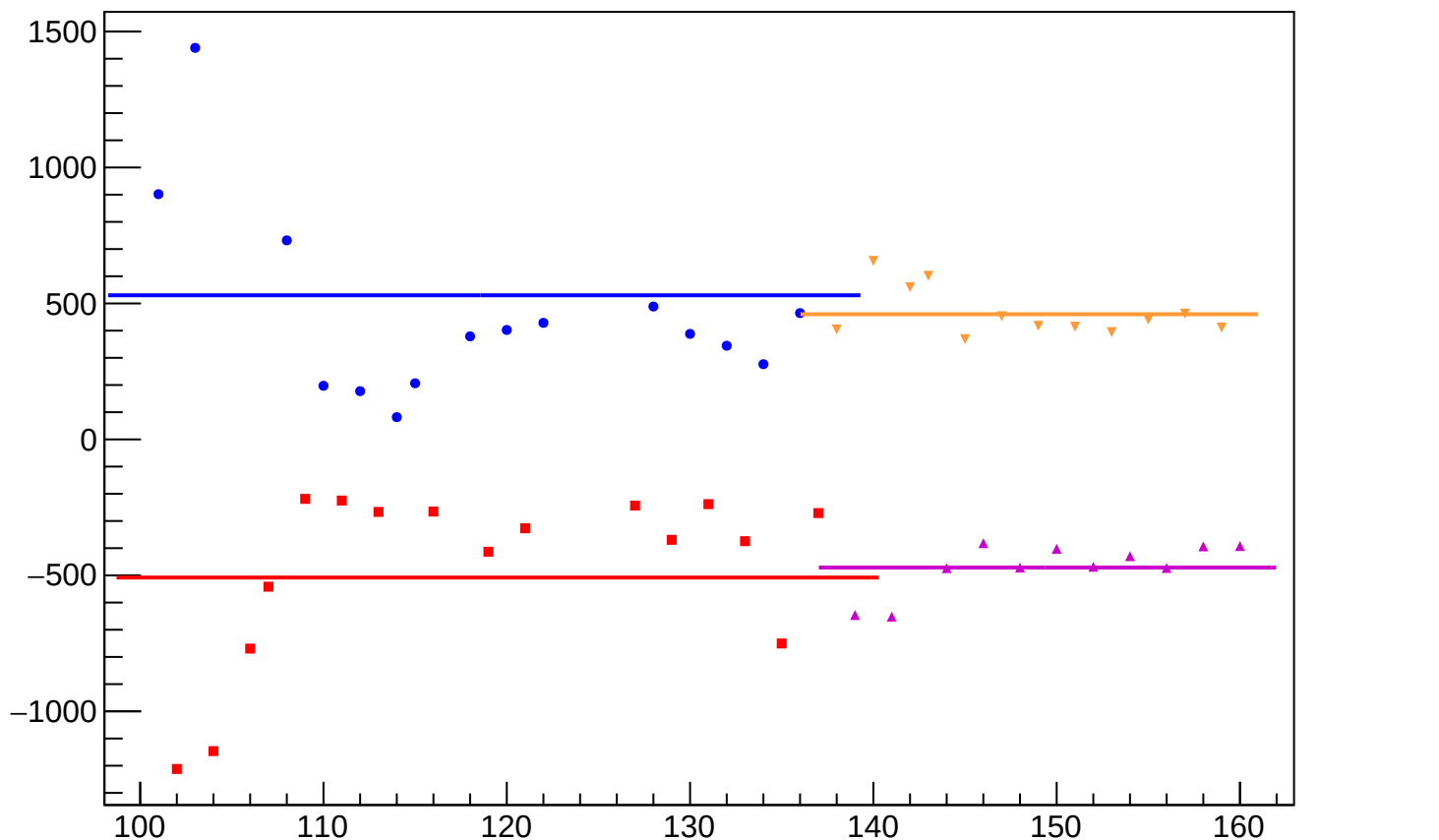
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_sam4_coil3_mean vs Slug, Sign Corrected



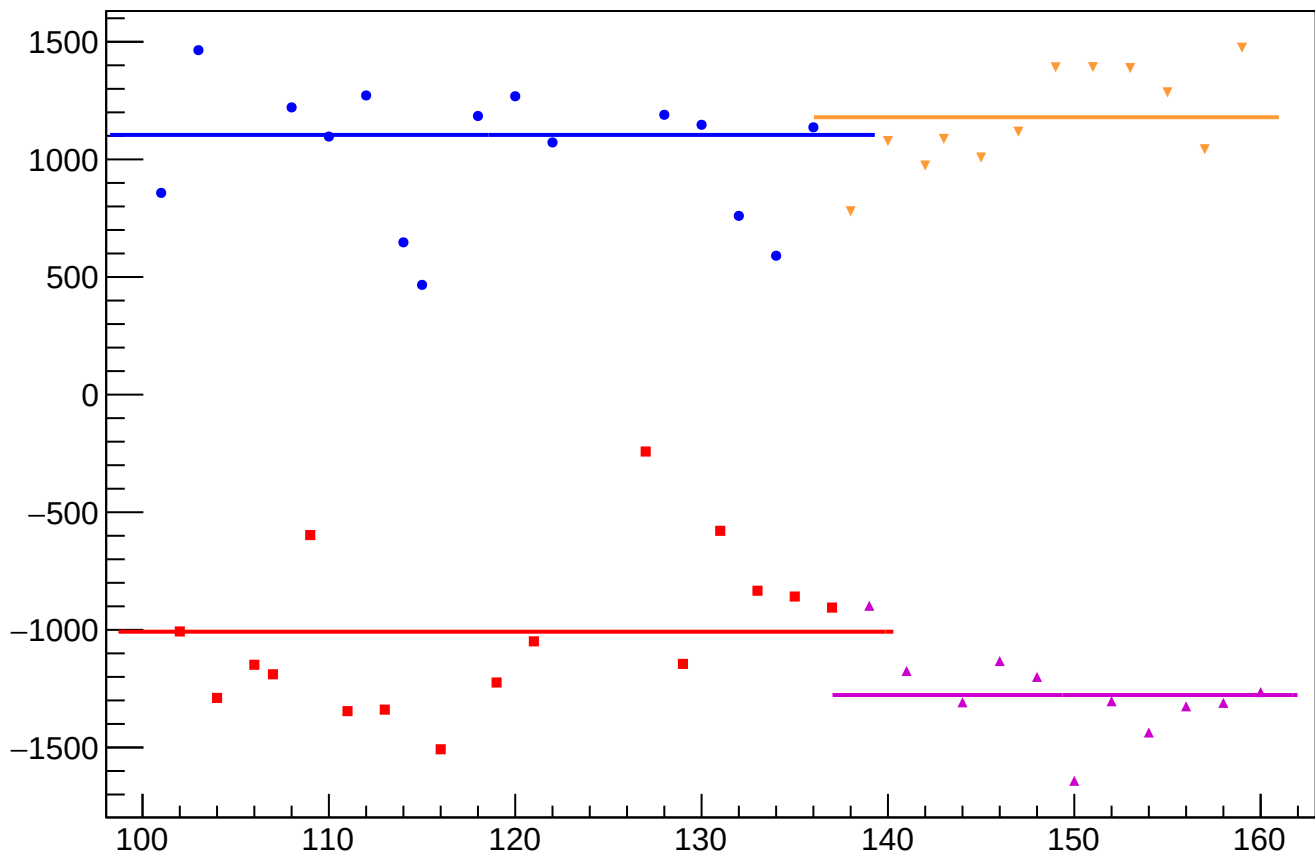
Right In: 9062.710 ± 0.000 $\chi^2/\text{NDF}: 13621066943114354594159252409175431446528.0/14$
 Left Out: 17943.531 ± 0.000 $\chi^2/\text{NDF}: 7473617733274816603280469921274378846208.0/11$
 Right Out: -7490.147 ± 0.000 $\chi^2/\text{NDF}: 10108202124204139932285006457388239159296.0/15$
 Left In: -18574.874 ± 0.000 $\chi^2/\text{NDF}: 3371752936319538414648384836142763081728.0/10$
 All: 38.990 ± 0.000 $\chi^2/\text{NDF}: 7383790559071$

dit_sam4_coil3_err_mean vs Slug, Sign Corrected



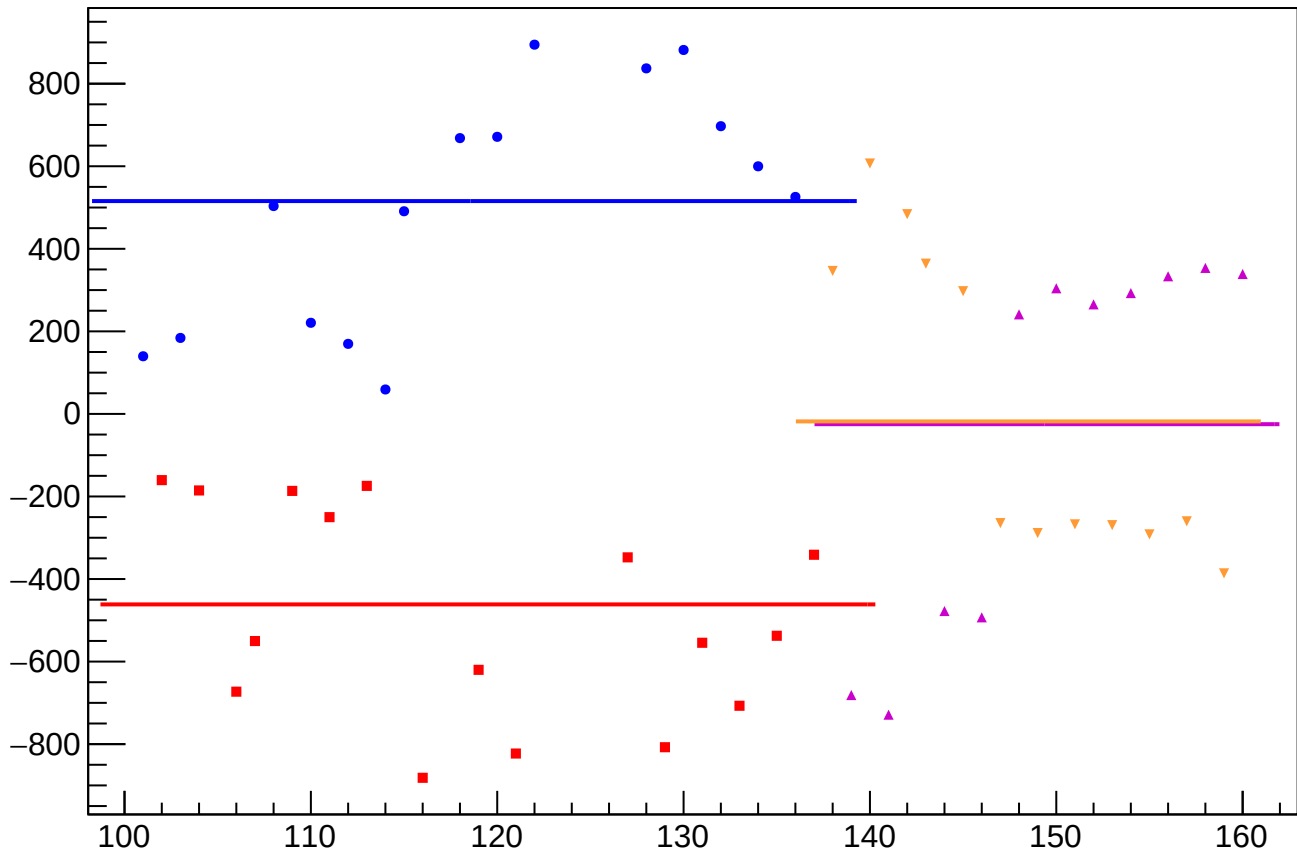
Right In: 530.057 ± 0.000 $\chi^2/\text{NDF}: 78754676063063255524046471751880671232.0/14$
 Left Out: 460.312 ± 0.000 $\chi^2/\text{NDF}: 6754606428371283053517529701630869504.0/11$
 Right Out: -507.987 ± 0.000 $\chi^2/\text{NDF}: 76689734698308464337881841969555046400.0/15$
 Left In: -471.219 ± 0.000 $\chi^2/\text{NDF}: 7445973219160336257467772011051745280.0/10$
 All: -3.012 ± 0.000 $\chi^2/\text{NDF}: 9229168077860$

dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected



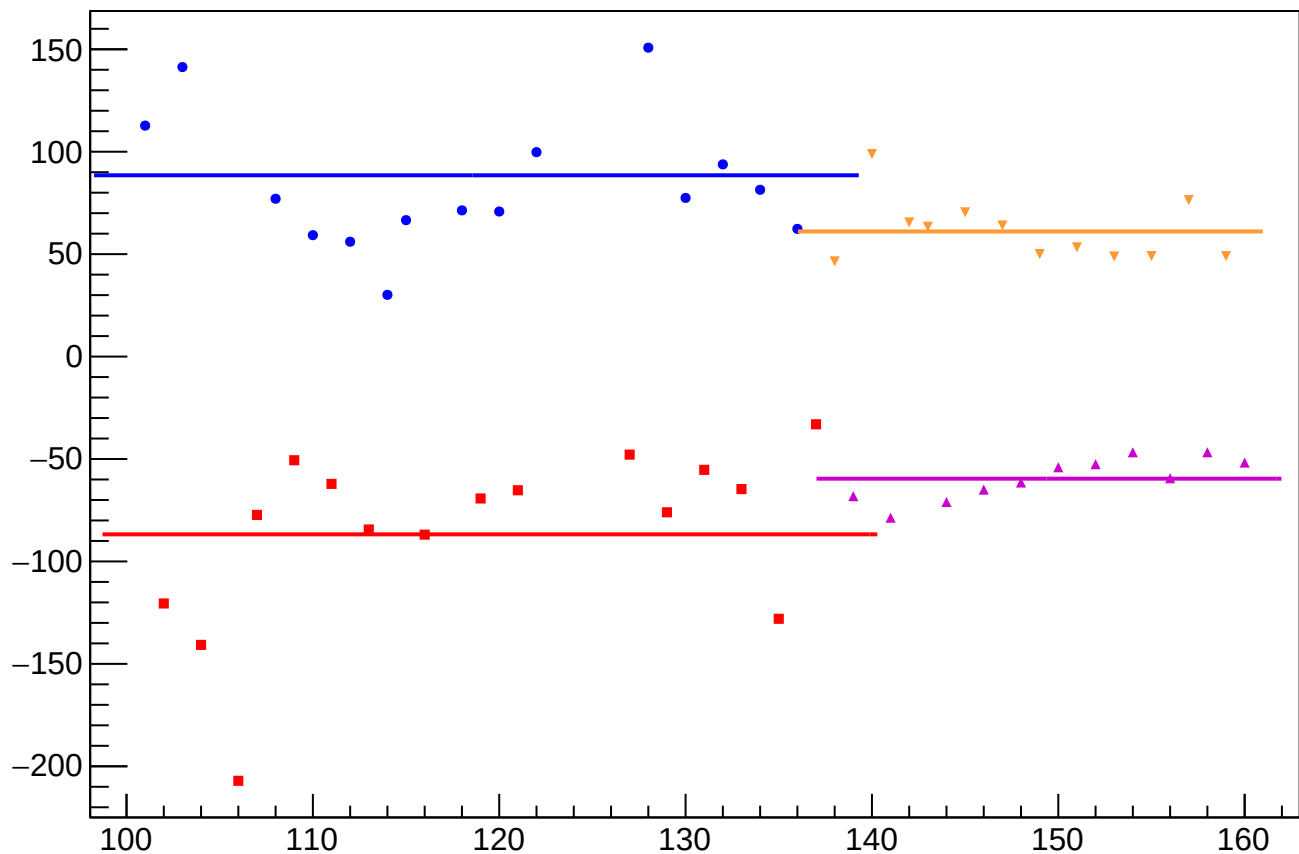
Right In: 1104.111+/-0.000	χ^2/NDF : 32737841591587454251521906421545304064.0/14	Left: -55.563+/-0.000	χ^2/NDF : 2840892210996509
Left Out: 1179.336+/-0.000	χ^2/NDF : 38742916032610862911819544133355175936.0/11	Right: 33.659+/-0.000	χ^2/NDF : 1569083056347410
Right Out: -1007.906+/-0.000	χ^2/NDF : 69077878009873965622695939627477368832.0/15	In: -294.641+/-0.000	χ^2/NDF : 2223953426306853
Left In: -1277.097+/-0.000	χ^2/NDF : 29578729901602647998073818936097374208.0/10	Out: 256.572+/-0.000	χ^2/NDF : 1952554182211910
	All: -18.335+/-0.000		χ^2/NDF : 441608022845

dit_sam5_coil3_mean vs Slug, Sign Corrected



Left: -21.540 ± 0.000 $\chi^2/\text{NDF}: 2912056569899347$
 Right In: 515.635 ± 0.000 $\chi^2/\text{NDF}: 48465403420573957292673062371162324992.0/14$
 Right: 20.387 ± 0.000 $\chi^2/\text{NDF}: 4030056130167457$
 Left Out: -18.146 ± 0.000 $\chi^2/\text{NDF}: 114014627327363890146179797072763420672.0/11$
 In: 198.120 ± 0.000 $\chi^2/\text{NDF}: 33702193102447450$
 Right Out: -461.497 ± 0.000 $\chi^2/\text{NDF}: 40473746660091355928063306884368564224.0/15$
 Out: -205.189 ± 0.000 $\chi^2/\text{NDF}: 230282610229259$
 Left In: -24.898 ± 0.000 $\chi^2/\text{NDF}: 177170083146066340419686697250307702784.0/10$
 All: -4.046 ± 0.000 $\chi^2/\text{NDF}: 6955593653745$

dit_sam5_coil3_err_mean vs Slug, Sign Corrected



Right In: 88.493 $\pm$ 0.000

χ^2 /NDF: 643231155193035512625817963208900608.0/14

Left Out: 61.067 $\pm$ 0.000

χ^2 /NDF: 211507080213048507647331077961285632.0/11

Right Out: -86.773 $\pm$ 0.000

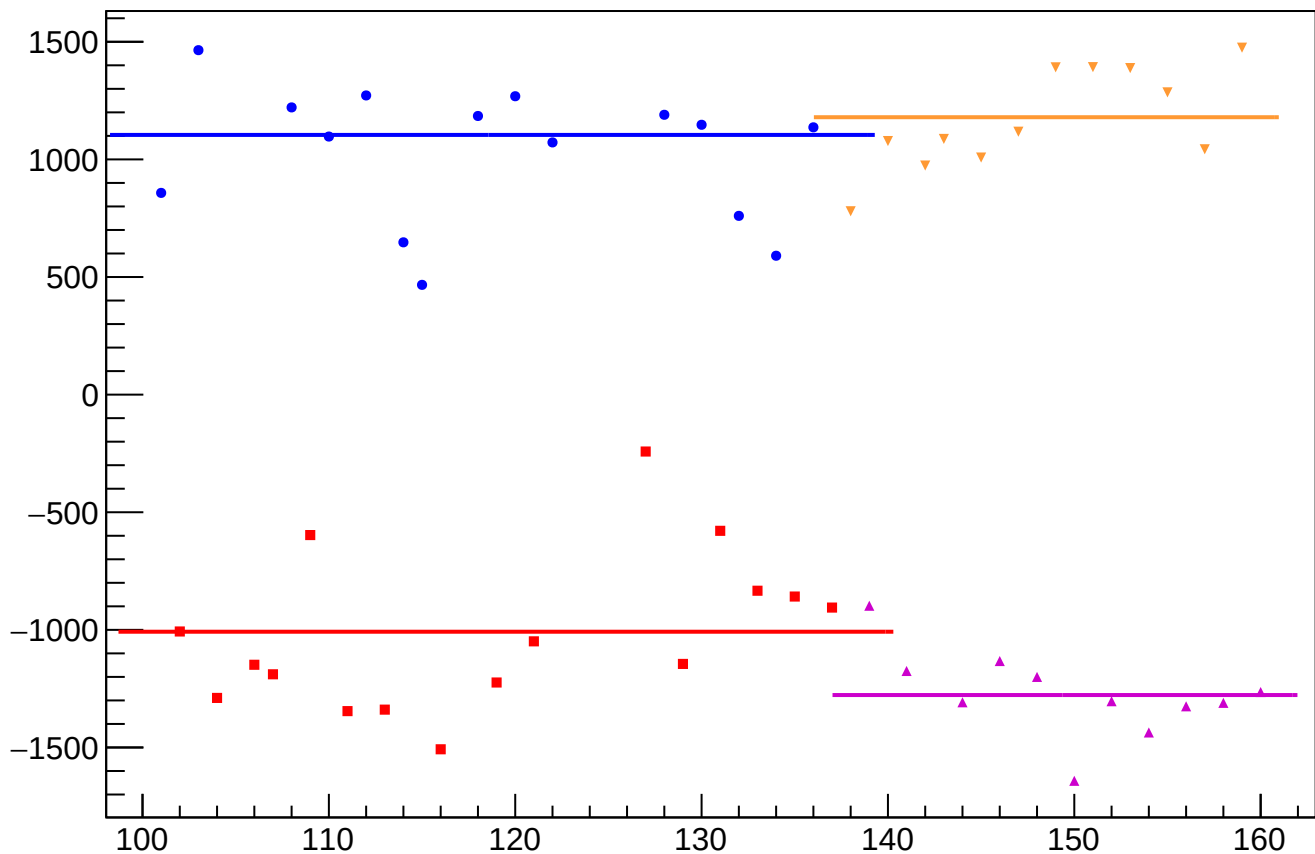
χ^2 /NDF: 1059206766314086021240525003228708864.0/15

Left In: -59.604 $\pm$ 0.000

χ^2 /NDF: 90862625181985664375323463168032768.0/10

Left: 0.403 $\pm$ 0.000 χ^2 /NDF: 699320951326261037.0/11
 Right: -0.339 $\pm$ 0.000 χ^2 /NDF: 1180687368969666.0/11
 In: 1.499 $\pm$ 0.000 χ^2 /NDF: 909555293268762402.0/11
 Out: -1.305 $\pm$ 0.000 χ^2 /NDF: 96987555251915958.0/11
 All: 0.094 $\pm$ 0.000 χ^2 /NDF: 18800505371841.0/11

dit_sam5_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1179.336+/-0.000

χ^2/NDF : 38742916032610862911819544133355175936.0/11

Right Out: -1007.906+/-0.000

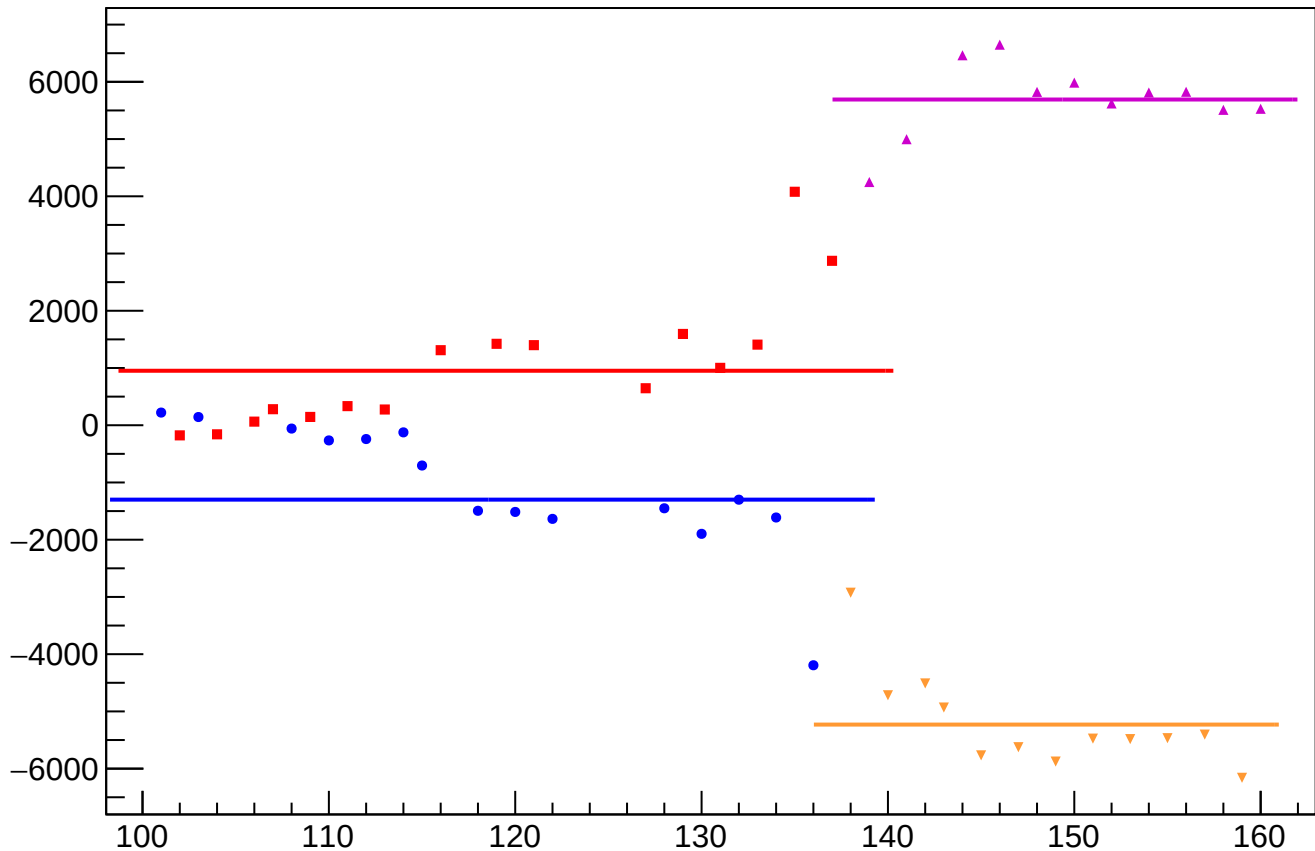
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam6_coil3_mean vs Slug, Sign Corrected



Right In: -1299.904+/-0.000

Left Out: -5230.164+/-0.000

Right Out: 951.903+/-0.000

Left In: 5690.941+/-0.000

χ^2/NDF : 1199649252163216367086408691577524322304.0/14

χ^2/NDF : 621337546754048275745011650527081005056.0/11

χ^2/NDF : 841314696863657044174468284217089327104.0/15

χ^2/NDF : 35577462072294886968040460749891436544.0/10

Left: 260.098+/-0.000 χ^2/NDF : 5578029245557142

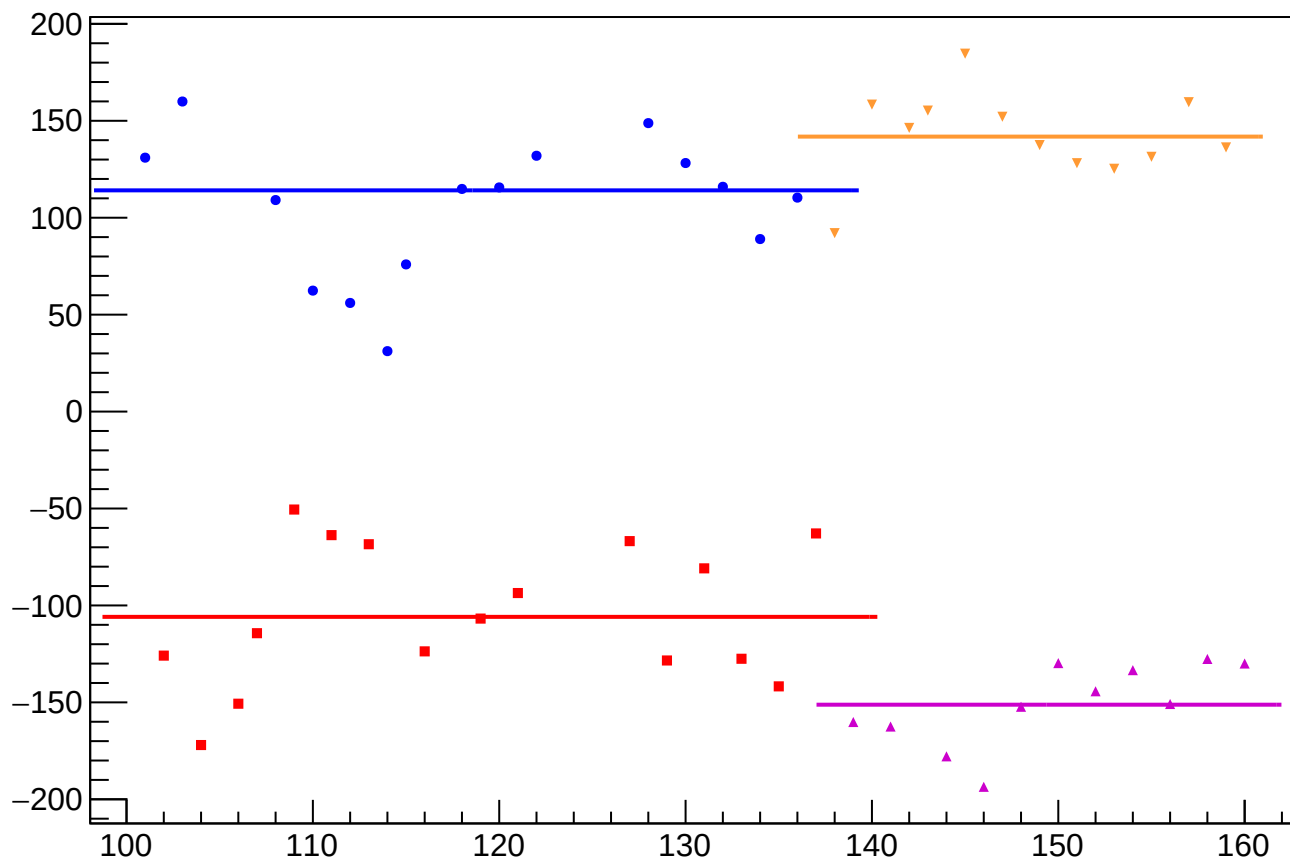
Right: -158.600+/-0.000 χ^2/NDF : 37088904648604

In: 2806.606+/-0.000 χ^2/NDF : 2018689735914814

Out: -2622.043+/-0.000 χ^2/NDF : 16199599941303

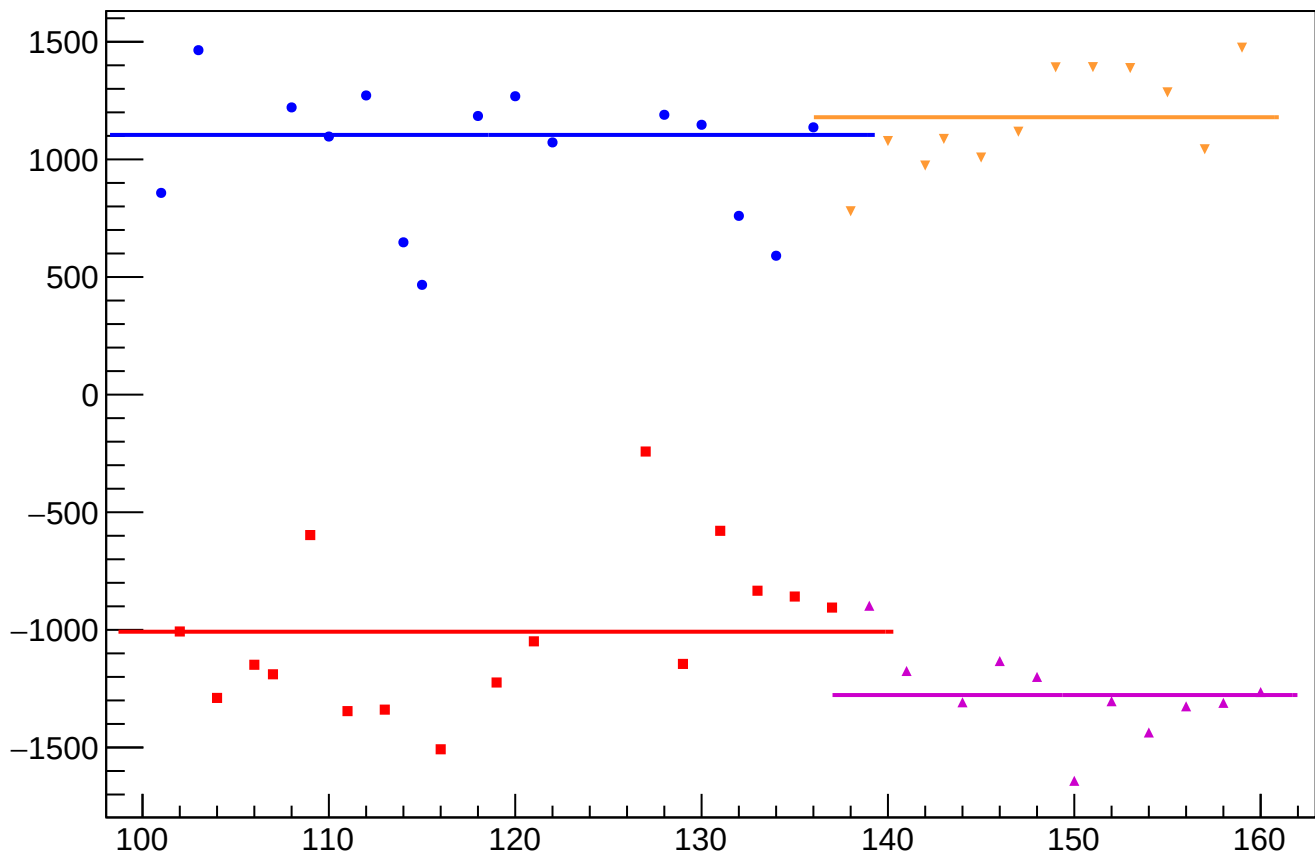
All: 85.397+/-0.000 χ^2/NDF : 5962362698239

dit_sam6_coil3_err_mean vs Slug, Sign Corrected



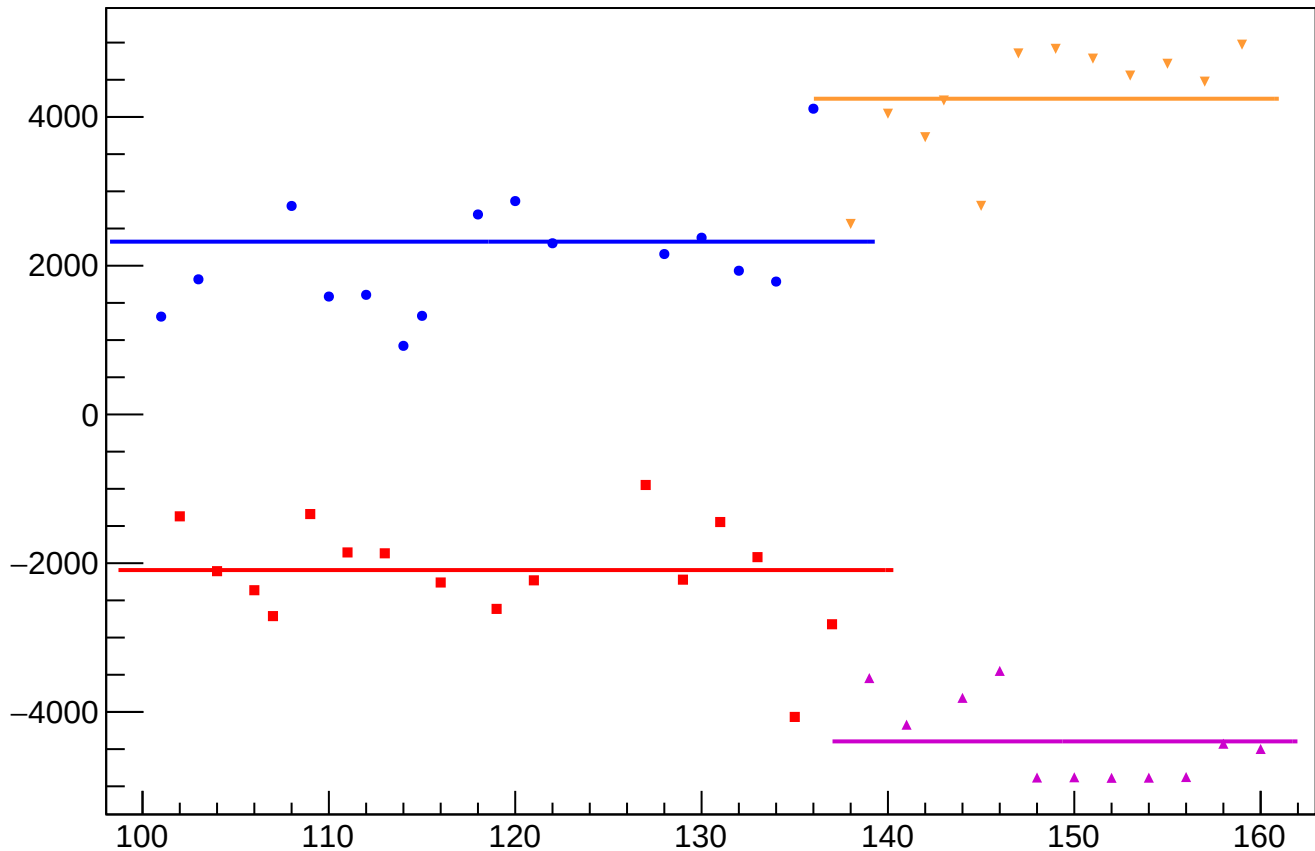
Right In: 114.118 ± 0.000 $\chi^2/\text{NDF}: 607226770891525118881736460452495360.0/14$
 Left Out: 141.844 ± 0.000 $\chi^2/\text{NDF}: 455273254245846333149237795723673600.0/11$
 Right Out: -105.890 ± 0.000 $\chi^2/\text{NDF}: 851861355270591521058611007535972352.0/15$
 Left In: -151.203 ± 0.000 $\chi^2/\text{NDF}: 382227652604999337577431549784096768.0/10$
 All: -2.103 ± 0.000 $\chi^2/\text{NDF}: 5772748991096$

dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam7_coil3_mean vs Slug, Sign Corrected



Right In: 2323.372+/-0.000

χ^2/NDF : 476371189888349375964725620757728591872.0/14

Left Out: 4245.269+/-0.000

χ^2/NDF : 560100037882540295630660663570463719424.0/11

Right Out: -2092.458+/-0.000

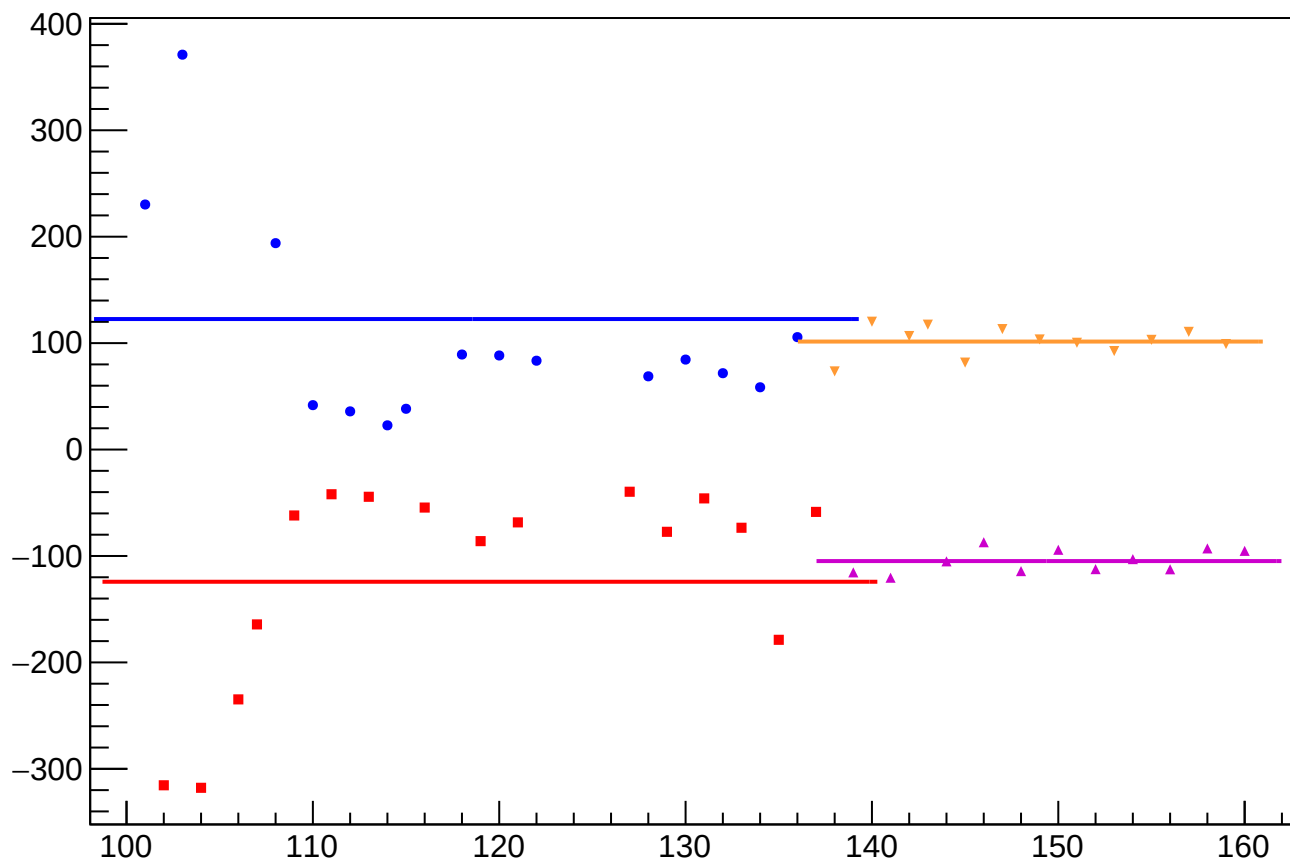
χ^2/NDF : 367126080872166122663684022473339174912.0/15

Left In: -4396.069+/-0.000

χ^2/NDF : 270326441631367265143713722564756897792.0/10

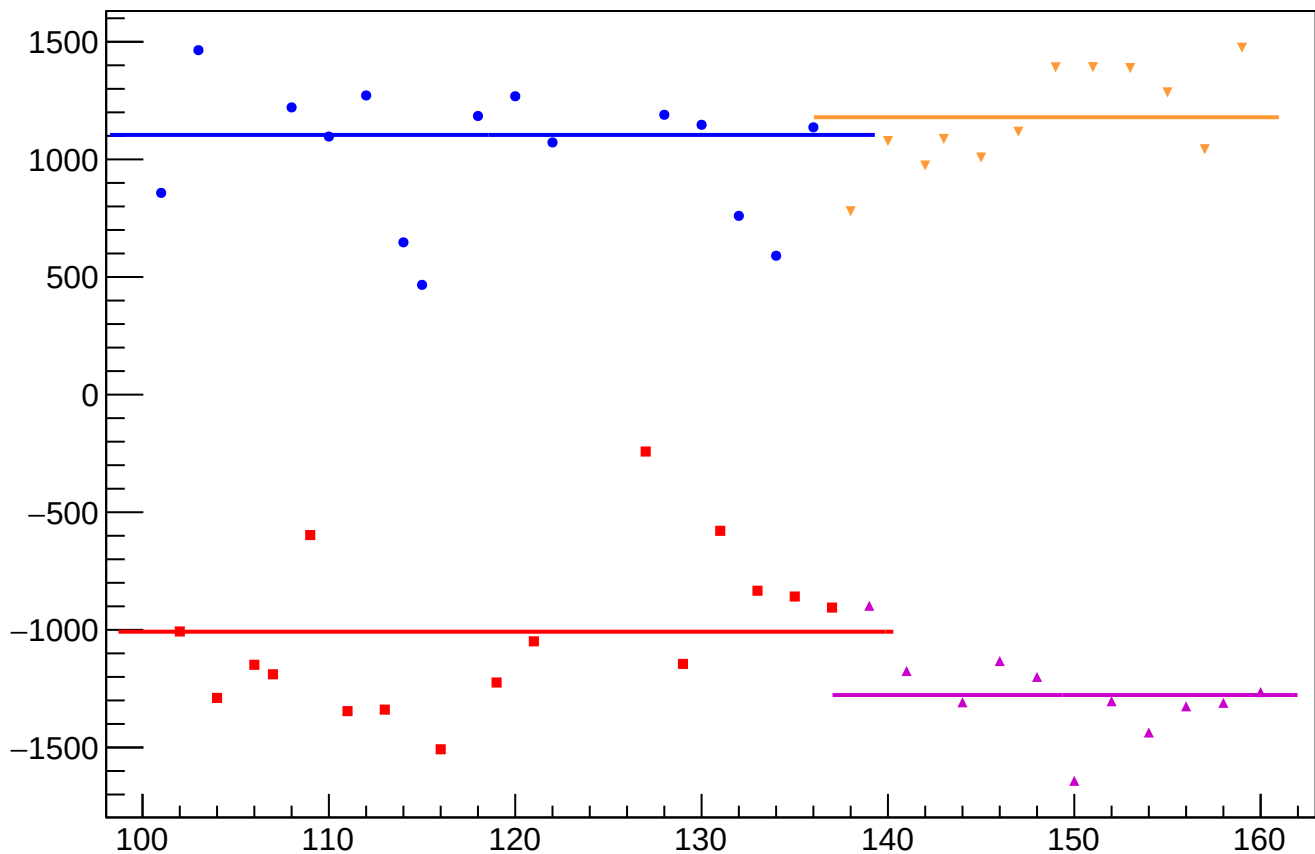
All: -22.065+/-0.000 χ^2/NDF : 424251896737

dit_sam7_coil3_err_mean vs Slug, Sign Corrected



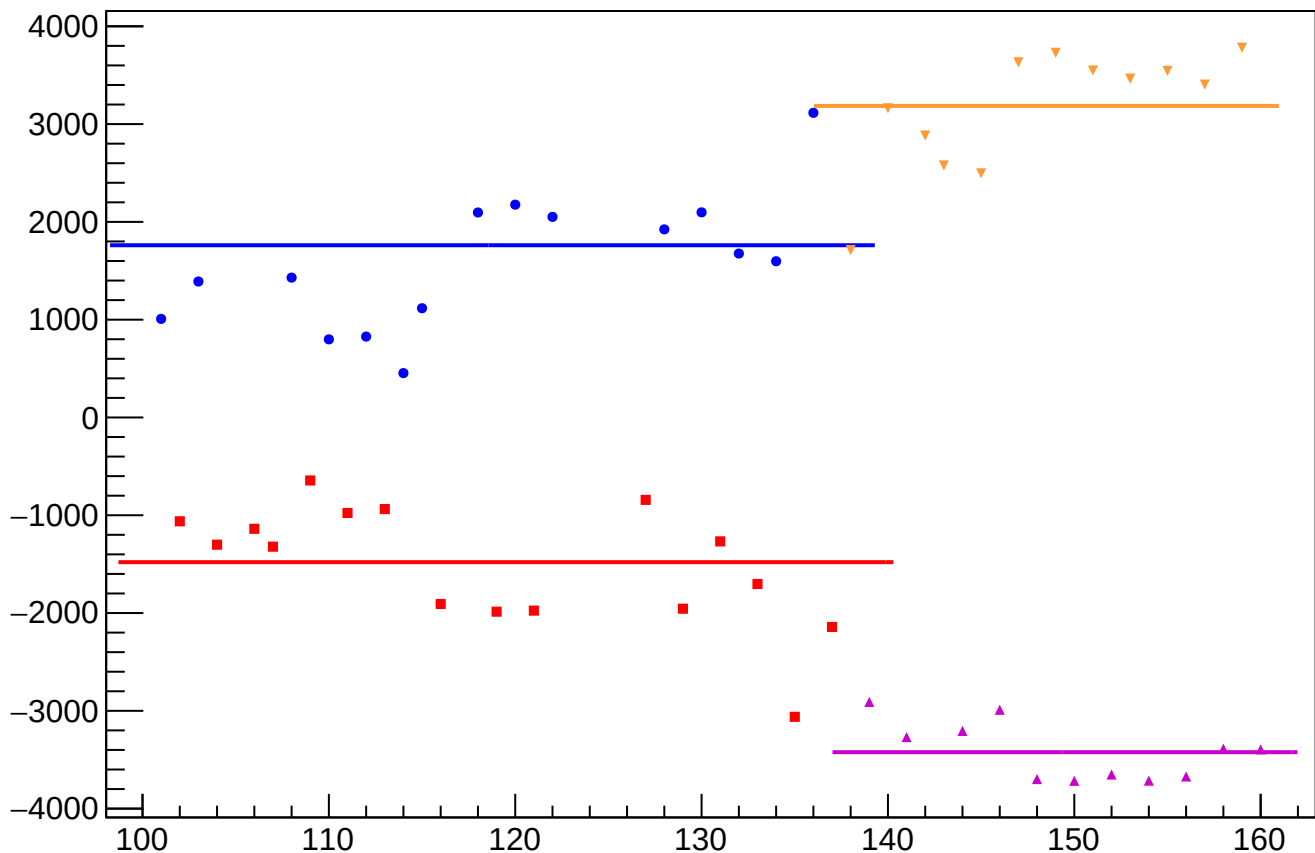
Right In: 122.622+/-0.000 χ^2/NDF : 5937504661187691145903235842749497344.0/14
 Left Out: 101.470+/-0.000 χ^2/NDF : 163606586609215515174601139620413440.0/11
 Right Out: -124.216+/-0.000 χ^2/NDF : 6549627589629012958791202941129719808.0/15
 Left In: -104.786+/-0.000 χ^2/NDF : 102013785381333837493435451846950912.0/10
 All: -2.330+/-0.000 χ^2/NDF : 5234216215941

dit_sam7_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_sam8_coil3_mean vs Slug, Sign Corrected



Right In: 1761.245+/-0.000

χ^2/NDF : 332206925976055306953064744993096204288.0/14

Left Out: 3185.925+/-0.000

χ^2/NDF : 334945906452981161805339150604505710592.0/11

Right Out: -1479.801+/-0.000

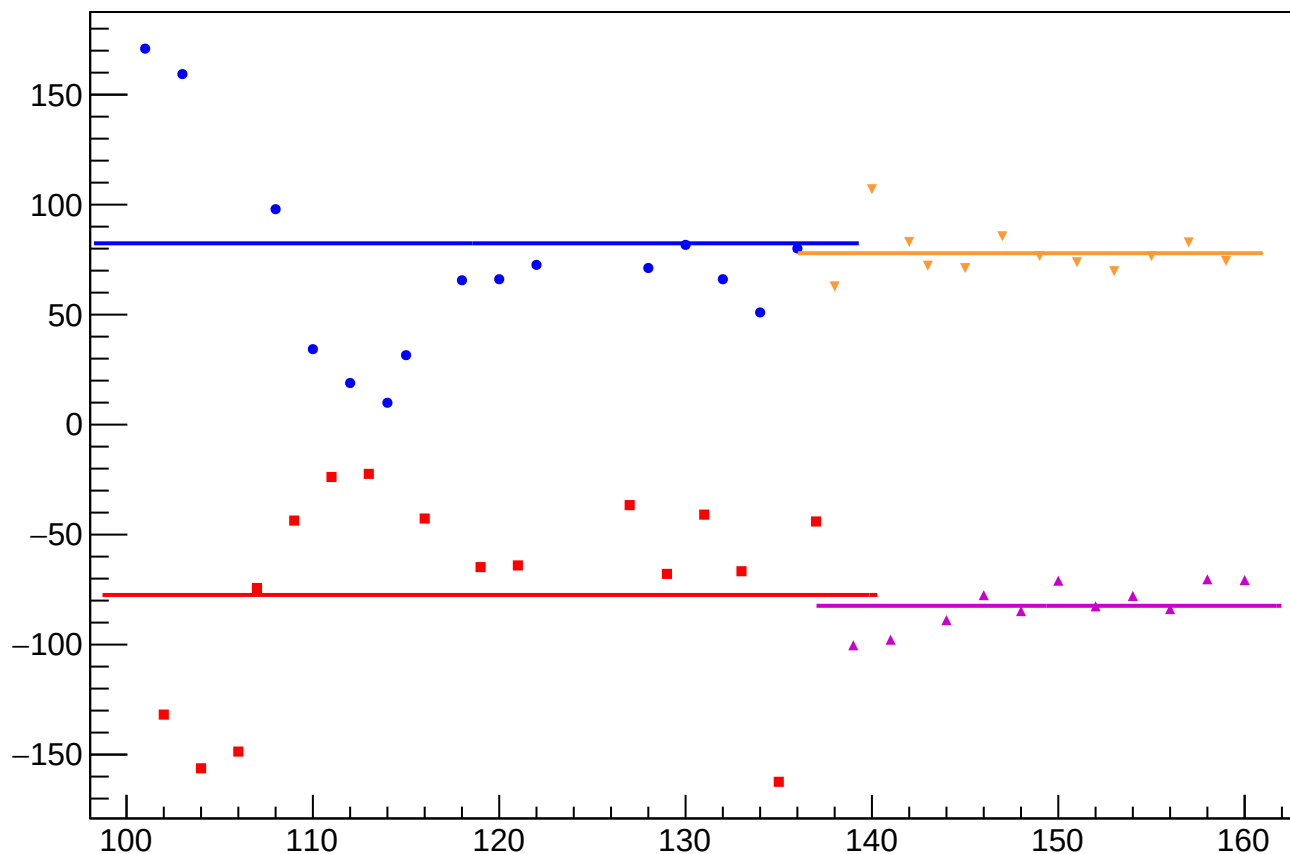
χ^2/NDF : 263467768134780968832551238609236131840.0/15

Left In: -3423.018+/-0.000

χ^2/NDF : 7453703884208882463869581727568494592.0/10

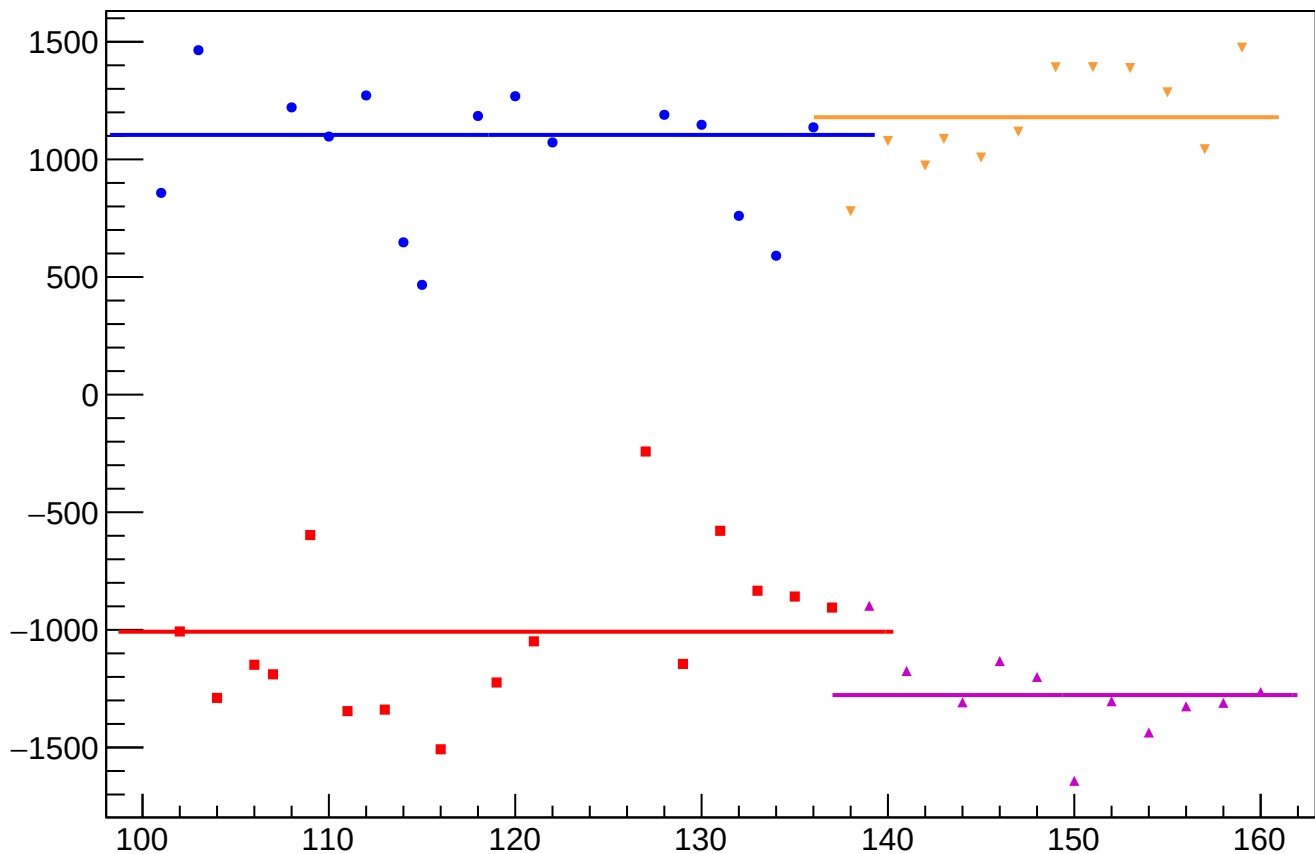
All: -30.093+/-0.000 χ^2/NDF : 245798533014

dit_sam8_coil3_err_mean vs Slug, Sign Corrected



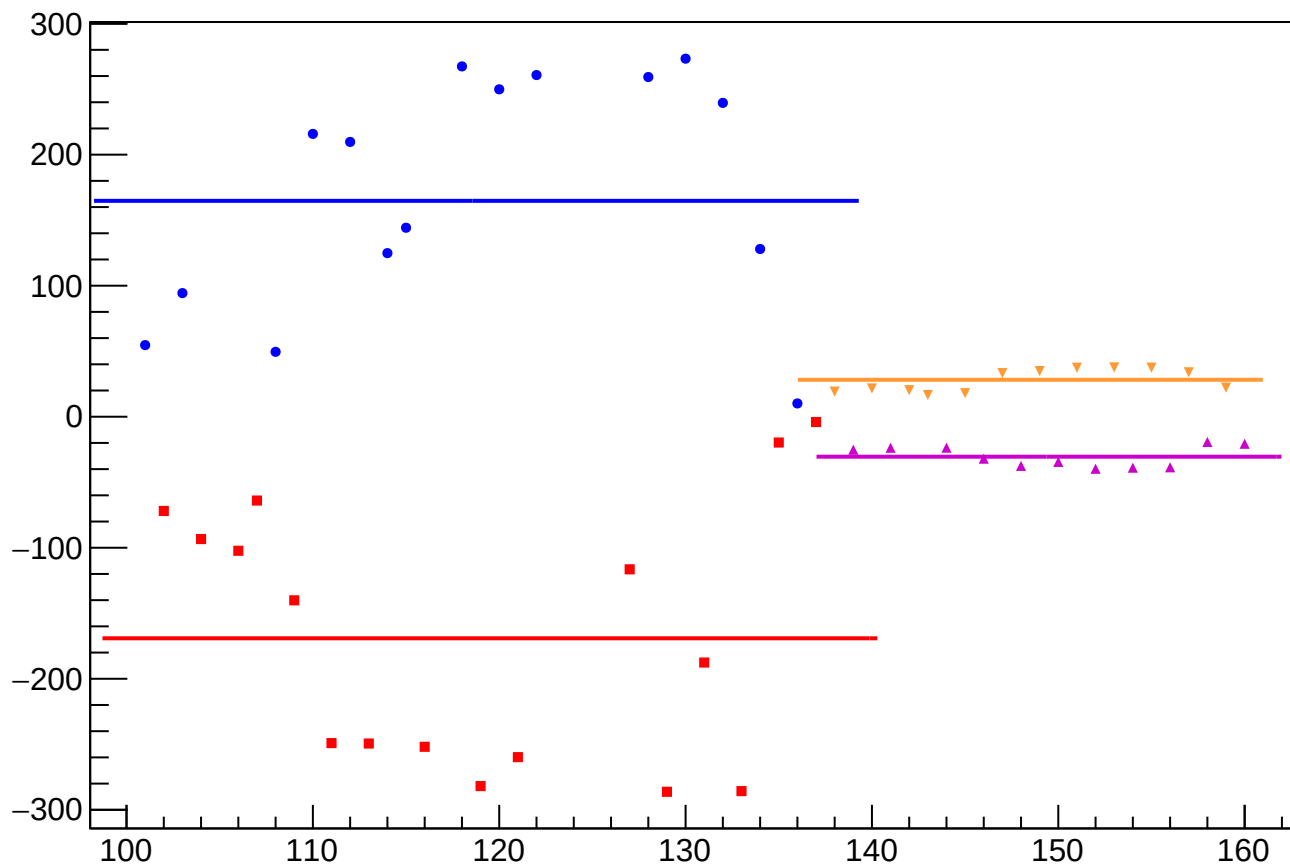
Right In: 82.422+/-0.000 χ^2/NDF : 1263633347129443757477527241185296384.0/14
 Left Out: 77.927+/-0.000 χ^2/NDF : 108816585289567770159719515210907648.0/11
 Right Out: -77.430+/-0.000 χ^2/NDF : 1515456409368458038568290276111024128.0/15
 Left In: -82.361+/-0.000 χ^2/NDF : 88160536769186096496846966890692608.0/10
 All: -0.961+/-0.000 χ^2/NDF : 2319921906530

dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected



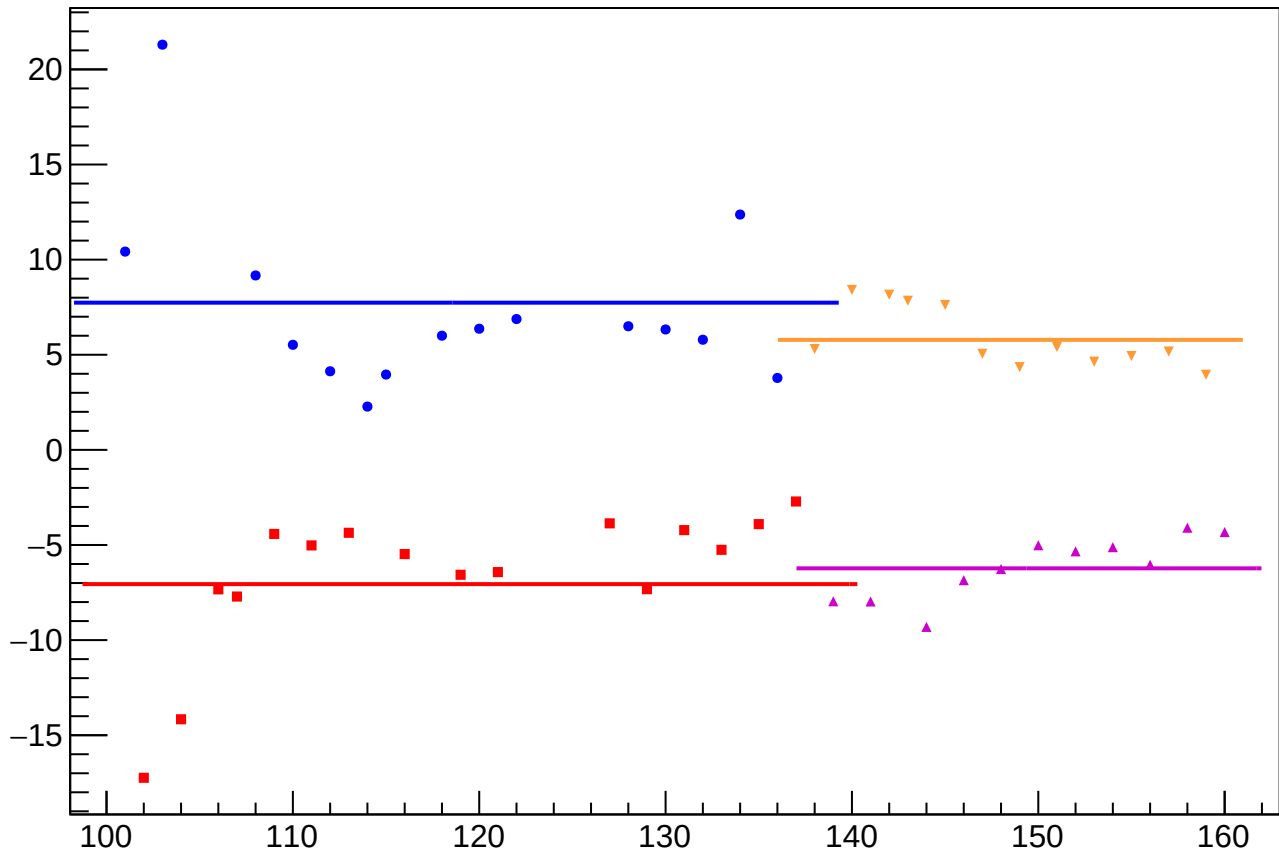
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_4aX_coil7_mean vs Slug, Sign Corrected



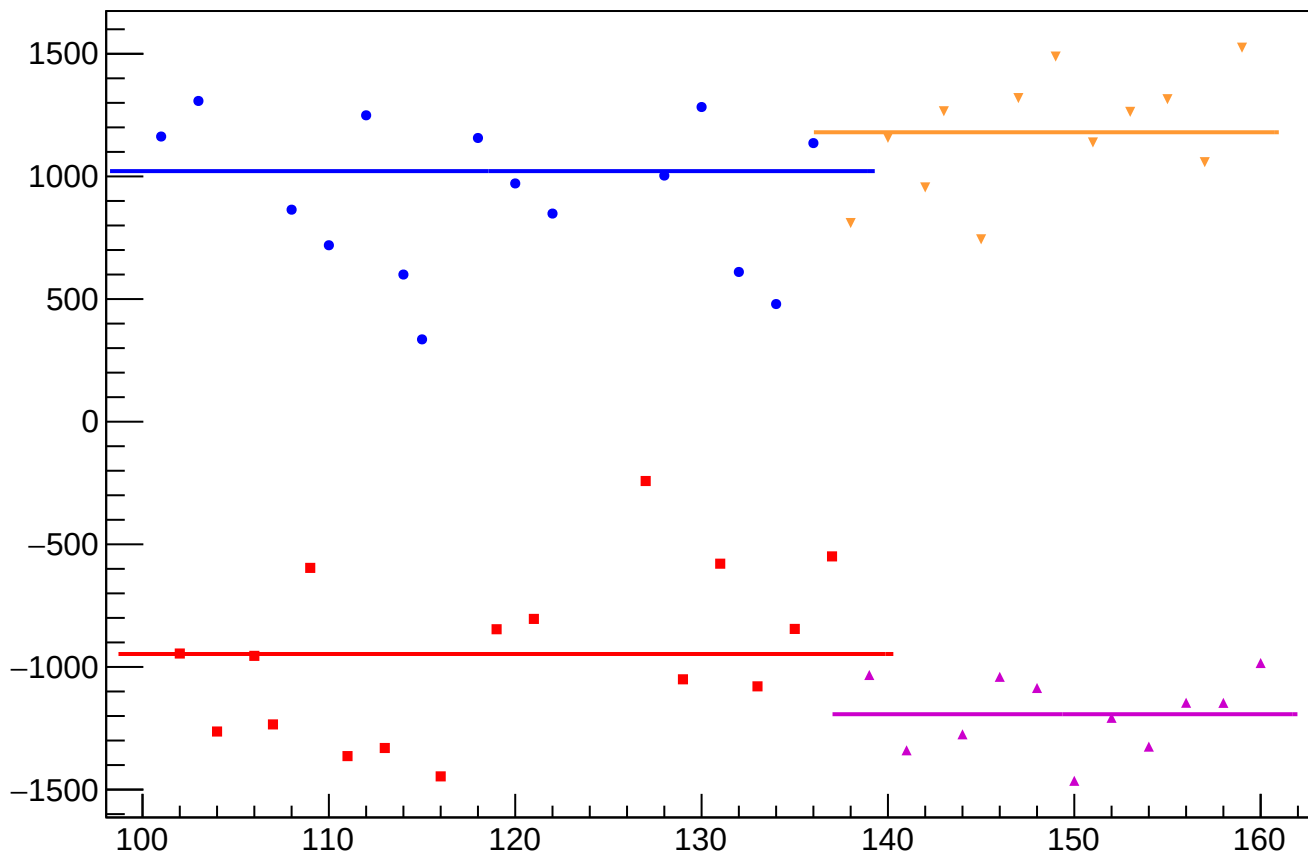
Left: -1.317 ± 0.000 $\chi^2/\text{NDF}: 16978934081589781$
 Right In: 164.752 ± 0.000 $\chi^2/\text{NDF}: 6369828943181833917425699916554960896.0/14$
 Left Out: 28.192 ± 0.000 $\chi^2/\text{NDF}: 62073928949862768083975059378536448.0/11$
 Right Out: -169.108 ± 0.000 $\chi^2/\text{NDF}: 6040721802042936822766910687819071488.0/15$
 In: 50.054 ± 0.000 $\chi^2/\text{NDF}: 209572439496556085$
 Out: -55.045 ± 0.000 $\chi^2/\text{NDF}: 2111323920107624$
 Left In: -30.507 ± 0.000 $\chi^2/\text{NDF}: 52600700148274049801586699671699456.0/10$
 All: -2.629 ± 0.000 $\chi^2/\text{NDF}: 5078015592202$

dit_4aX_coil7_err_mean vs Slug, Sign Corrected



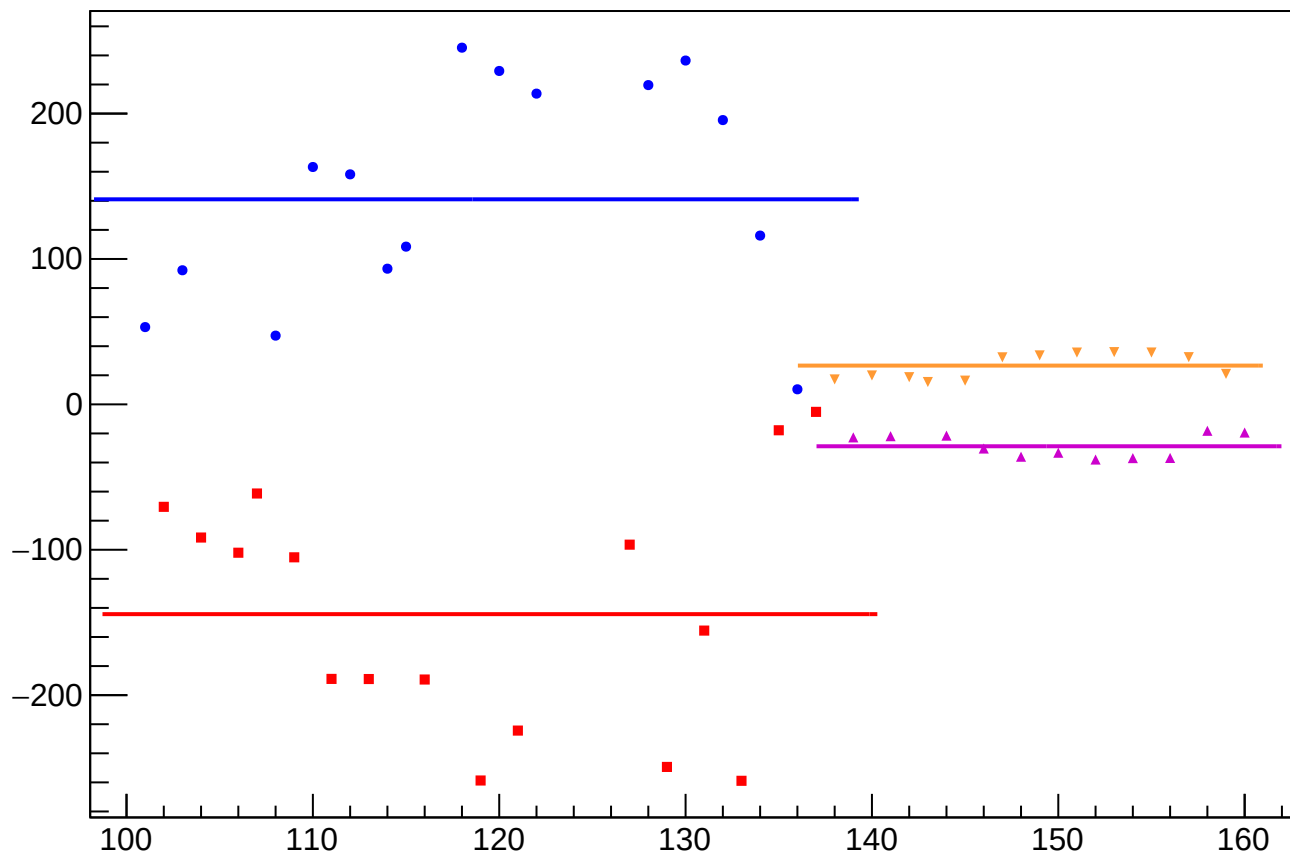
Right In: 7.738 $\pm$ 0.000 χ^2 /NDF: 15127215479234506007469492768079872.0/14
 Left Out: 5.783 $\pm$ 0.000 χ^2 /NDF: 2082103650411209995862519006101504.0/11
 Right Out: -7.057 $\pm$ 0.000 χ^2 /NDF: 11292441204139394792341242753581056.0/15
 Left In: -6.228 $\pm$ 0.000 χ^2 /NDF: 2331911751655733809355489024147456.0/10
 All: -0.049 $\pm$ 0.000 χ^2 /NDF: 1693113496789

dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected



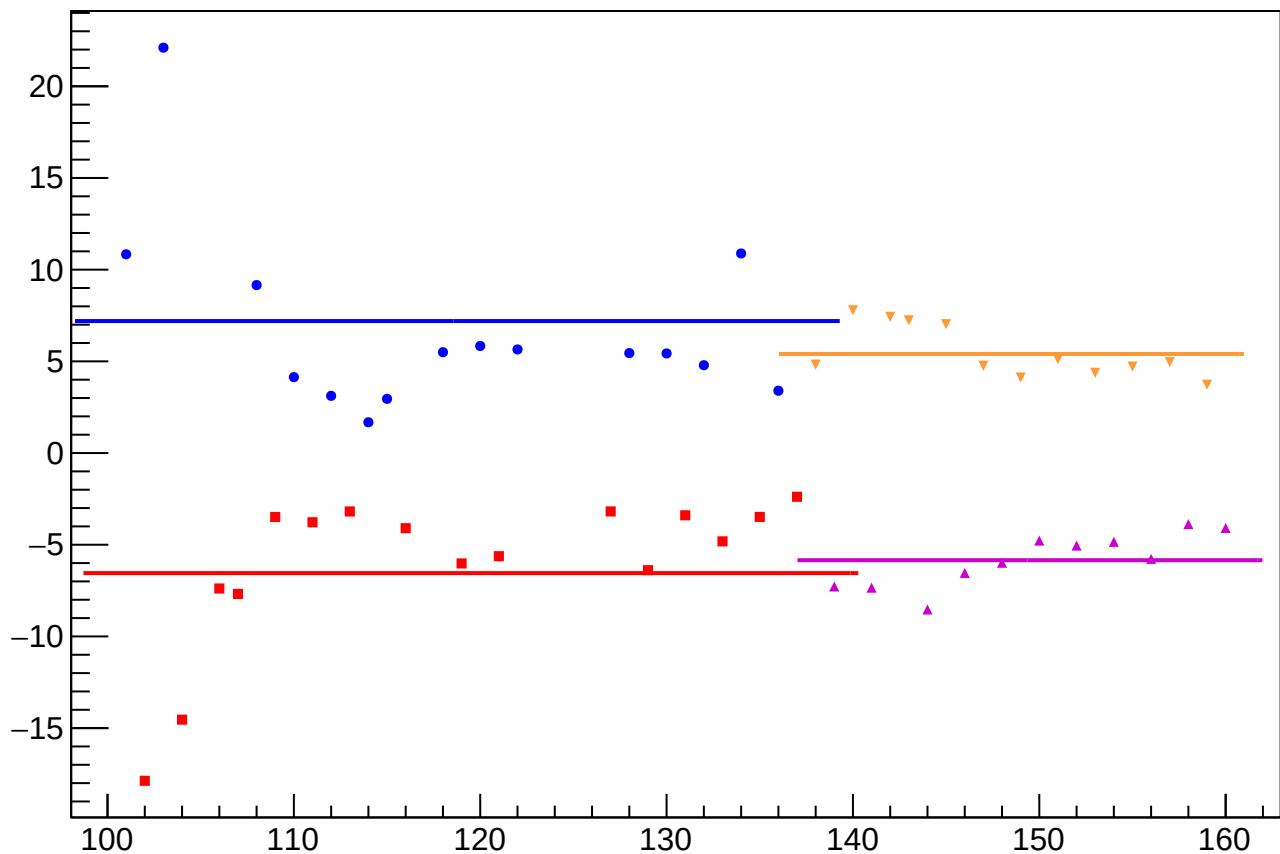
Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103 $\pm$ 0.000 χ^2 /NDF: 50788606804690292724539730503787347968.0/11
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 $\pm$ 0.000 χ^2 /NDF: 19255287383728205662654022867381911552.0/10
 All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_4eX_coil7_mean vs Slug, Sign Corrected



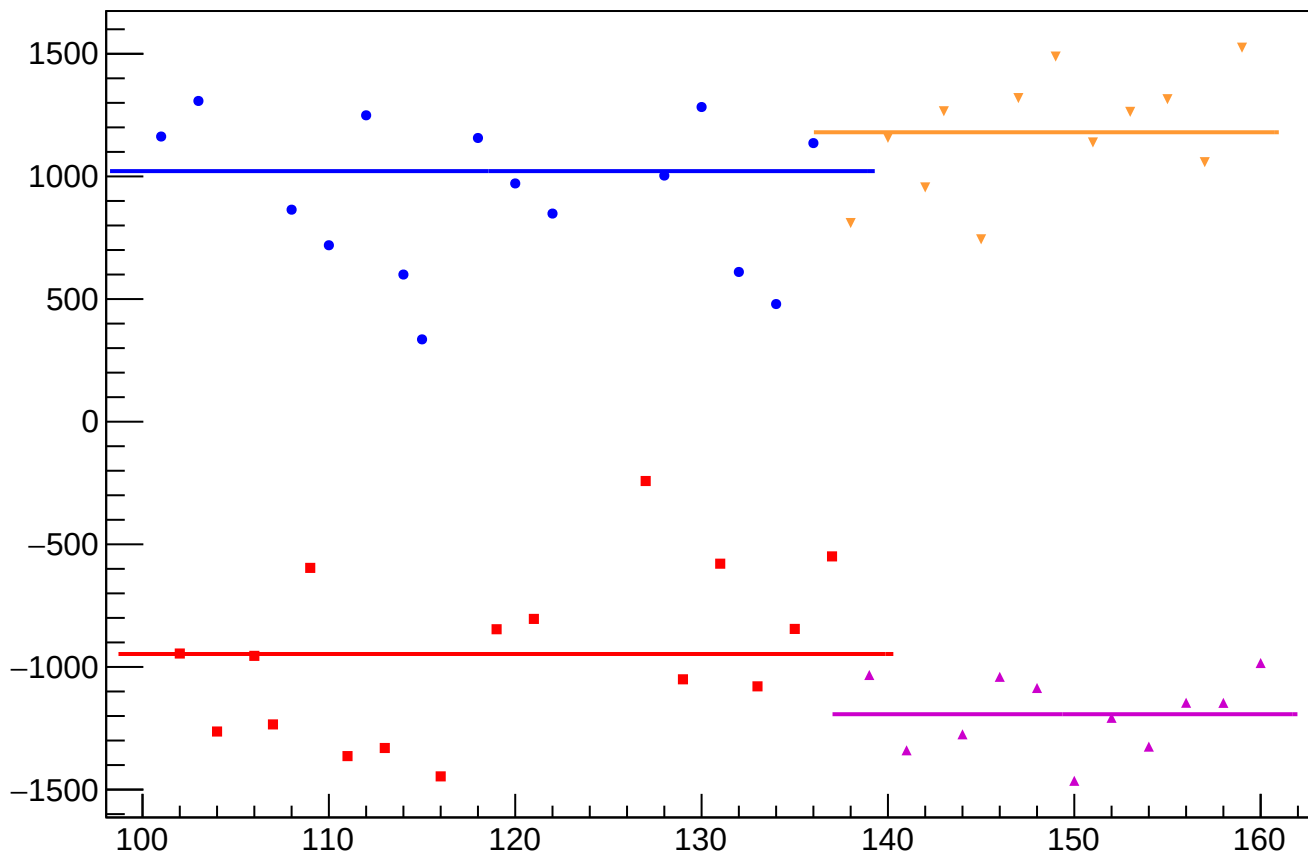
Left: -1.225 ± 0.000 $\chi^2/\text{NDF}: 15294237123103654$
 Right In: 141.032 ± 0.000 $\chi^2/\text{NDF}: 4507992585512923332587415612245934080.0/14$
 Left Out: 26.669 ± 0.000 $\chi^2/\text{NDF}: 62522343114115856238629096966324224.0/11$
 Right Out: -144.283 ± 0.000 $\chi^2/\text{NDF}: 4268333571517740886065361663928827904.0/15$
 In: 41.261 ± 0.000 $\chi^2/\text{NDF}: 155582029133540229$
 Out: -45.453 ± 0.000 $\chi^2/\text{NDF}: 1559993230161443$
 Left In: -28.817 ± 0.000 $\chi^2/\text{NDF}: 52309797532132393990553277307027456.0/10$
 All: -2.206 ± 0.000 $\chi^2/\text{NDF}: 3708705323759$

dit_4eX_coil7_err_mean vs Slug, Sign Corrected



Right In: 7.198 $\pm$ 0.000 χ^2 /NDF: 18212640728502785337831966963138560.0/14
 Left Out: 5.404 $\pm$ 0.000 χ^2 /NDF: 1657476673222734549536062415306752.0/11
 Right Out: -6.547 $\pm$ 0.000 χ^2 /NDF: 14078912505116068936230809834094592.0/15
 Left In: -5.843 $\pm$ 0.000 χ^2 /NDF: 1832786837102707862400537806766080.0/10
 All: -0.049 $\pm$ 0.000 χ^2 /NDF: 1562270252344

dit_4eX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

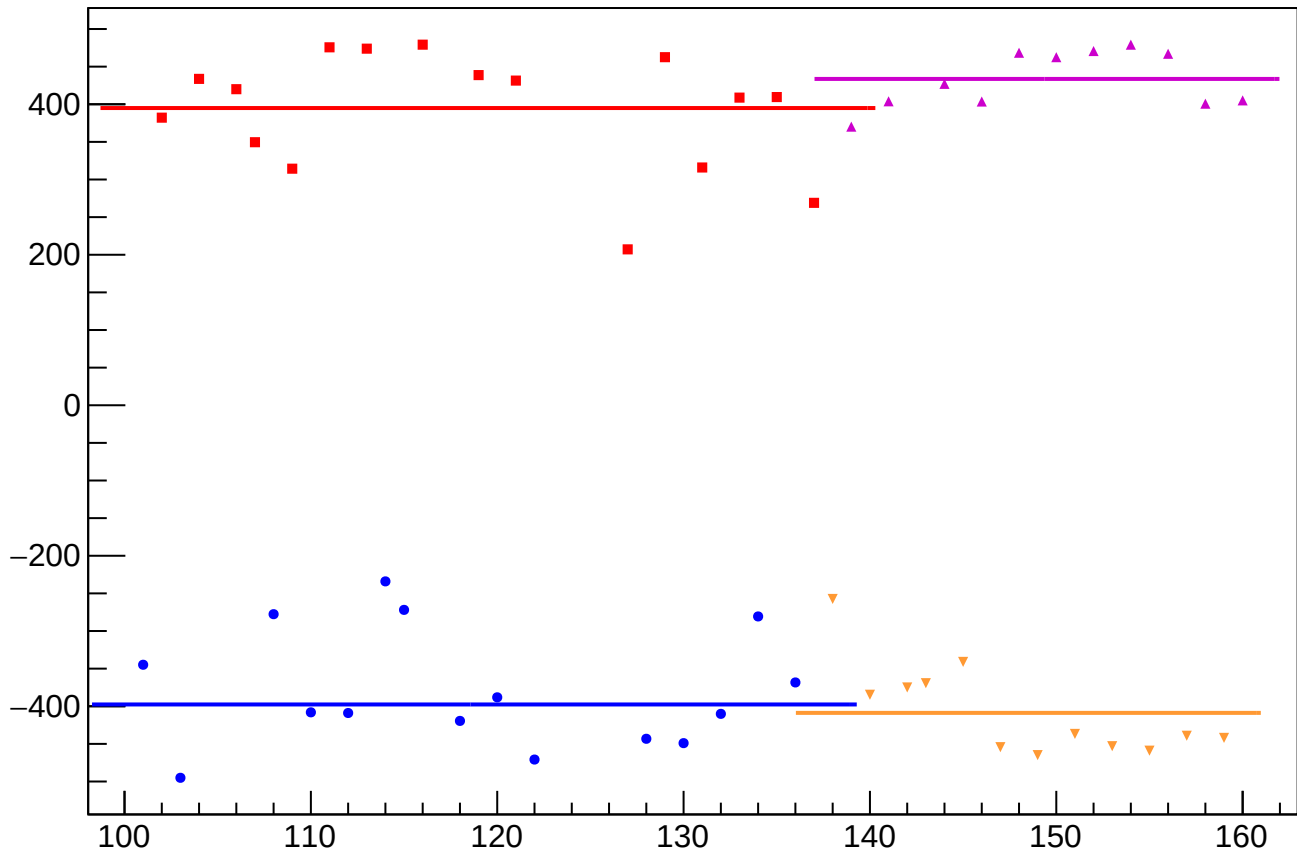
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_11X12X_coil7_mean vs Slug, Sign Corrected



Right In: -397.613+/-0.000

Left Out: -408.794+/-0.000

Right Out: 394.973+/-0.000

Left In: 433.664+/-0.000

χ^2/NDF : 2661280785384633207096106229474263040.0/14

χ^2/NDF : 3366573213961692909439105040404971520.0/11

χ^2/NDF : 3685595513427183501596165280874102784.0/15

χ^2/NDF : 1198237421385461104687495484599697408.0/10

Left: 14.727+/-0.000 χ^2/NDF : 3306788770143985

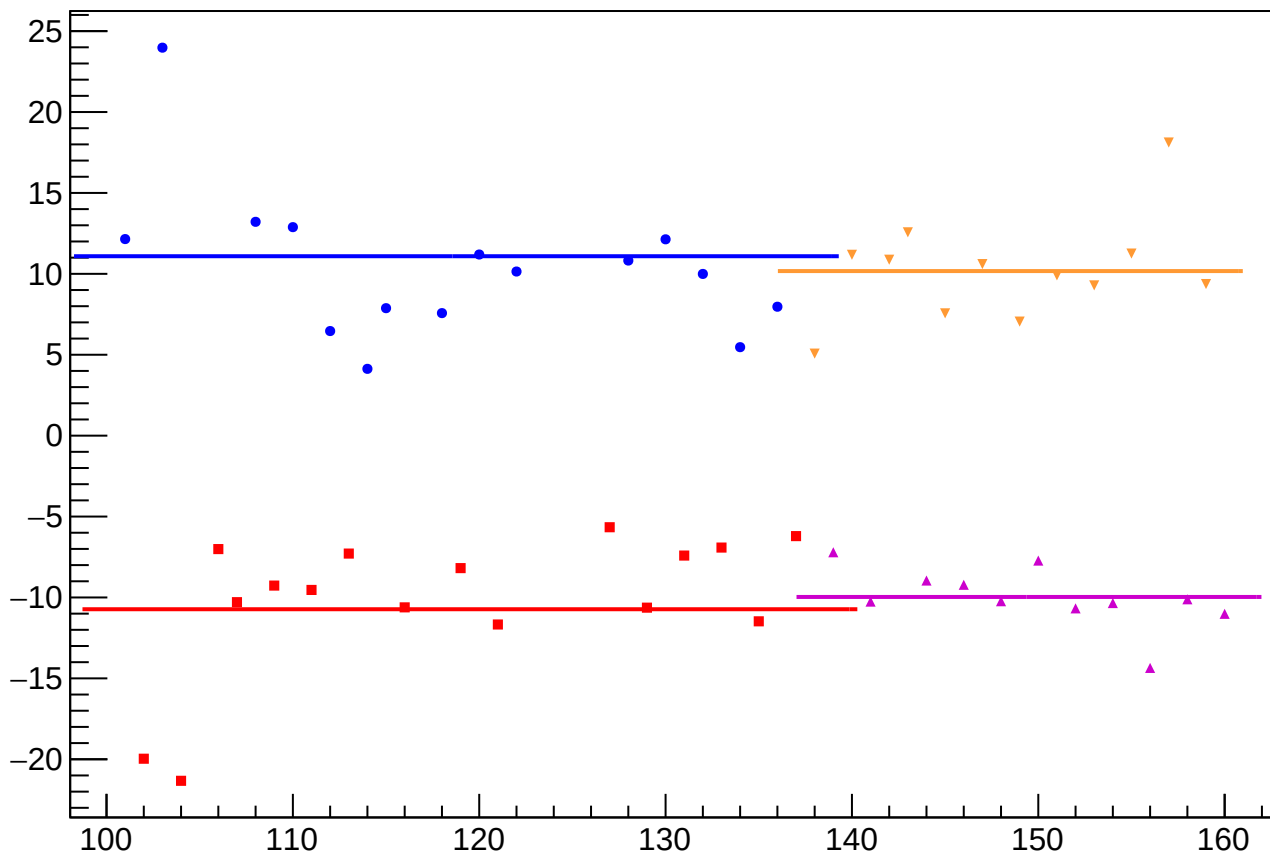
Right: 4.100+/-0.000 χ^2/NDF : 21298342988437283

In: 90.690+/-0.000 χ^2/NDF : 267298439260479340

Out: -69.697+/-0.000 χ^2/NDF : 2561673028781217

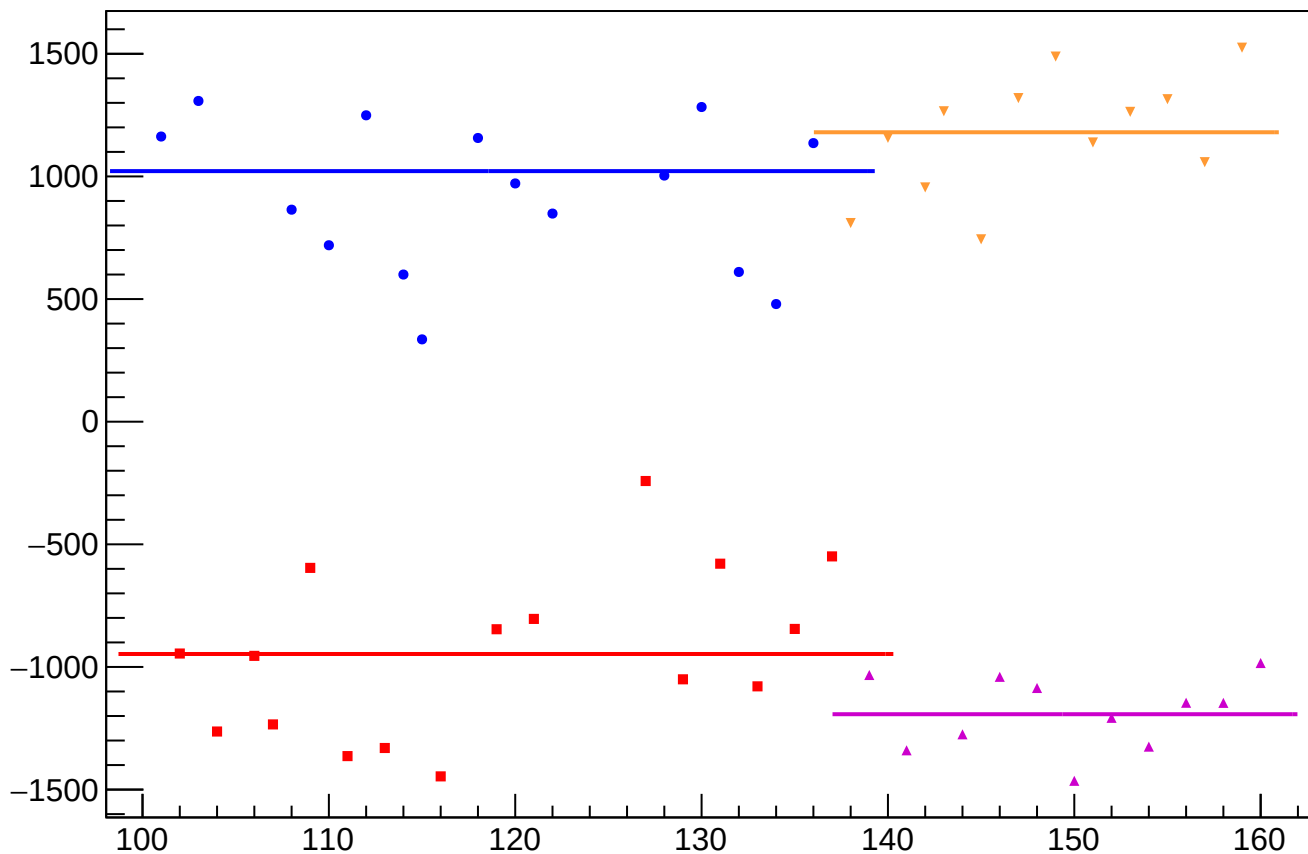
All: 10.293+/-0.000 χ^2/NDF : 5437489116587

dit_11X12X_coil7_err_mean vs Slug, Sign Corrected



Right In: 11.089 ± 0.000 $\chi^2/\text{NDF}: 14235991122014984478163351266918400.0/14$
 Left Out: 10.171 ± 0.000 $\chi^2/\text{NDF}: 9089684940831859823552687731900416.0/11$
 Right Out: -10.728 ± 0.000 $\chi^2/\text{NDF}: 14767238290725260908081124437131264.0/15$
 Left In: -9.968 ± 0.000 $\chi^2/\text{NDF}: 2905664542402179840795878184976384.0/10$
 All: 0.040 ± 0.000 $\chi^2/\text{NDF}: 38392284563118$

dit_11X12X_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

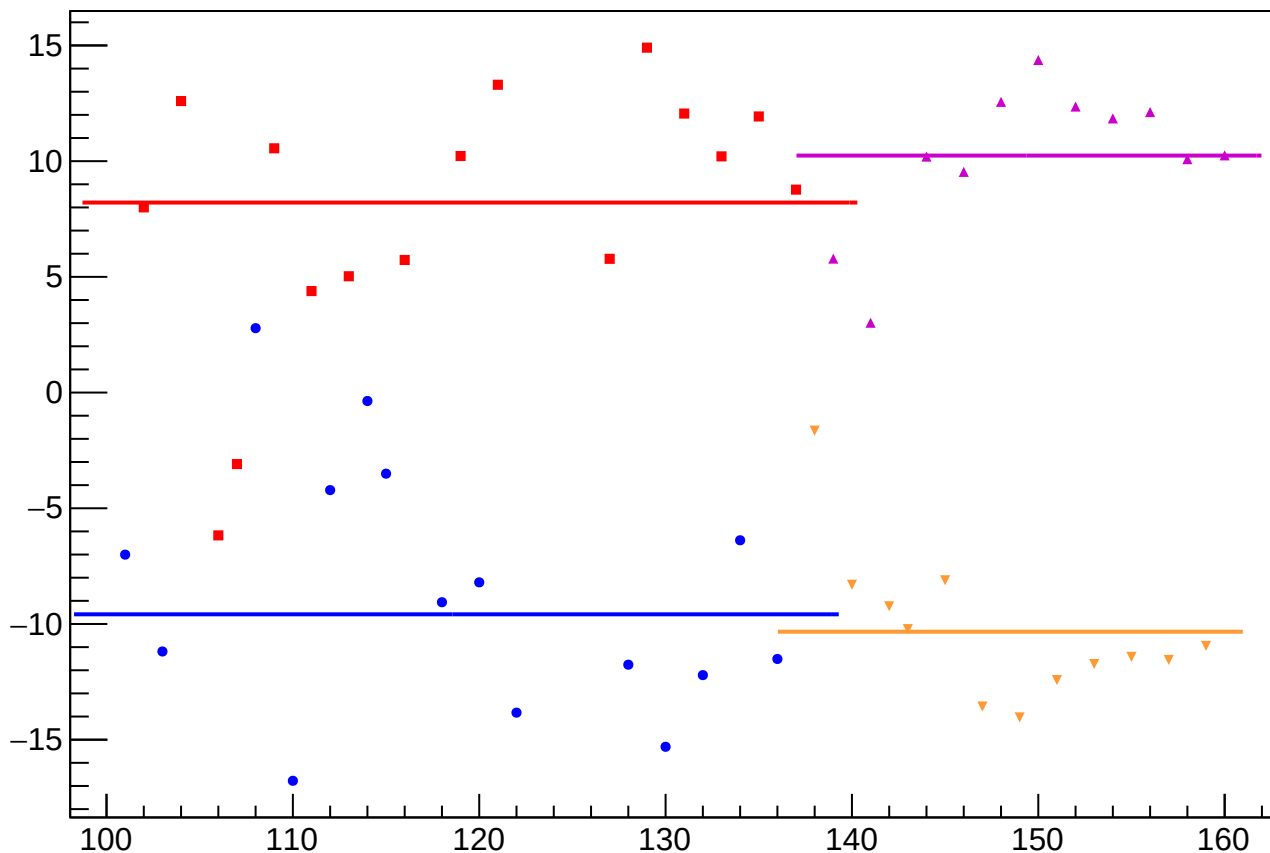
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4aY_coil7_mean vs Slug, Sign Corrected



Right In: -9.582 ± 0.000

Left Out: -10.333 ± 0.000

Right Out: 8.211 ± 0.000

Left In: 10.241 ± 0.000

χ^2/NDF : 14702679983940002820806471963377664.0/14

χ^2/NDF : 9377692425026365375047041474887680.0/11

χ^2/NDF : 18304237293835961465605754204454912.0/15

χ^2/NDF : 8992829088408430483485977772818432.0/10

Left: 0.010 ± 0.000 χ^2/NDF : 212884271856614194

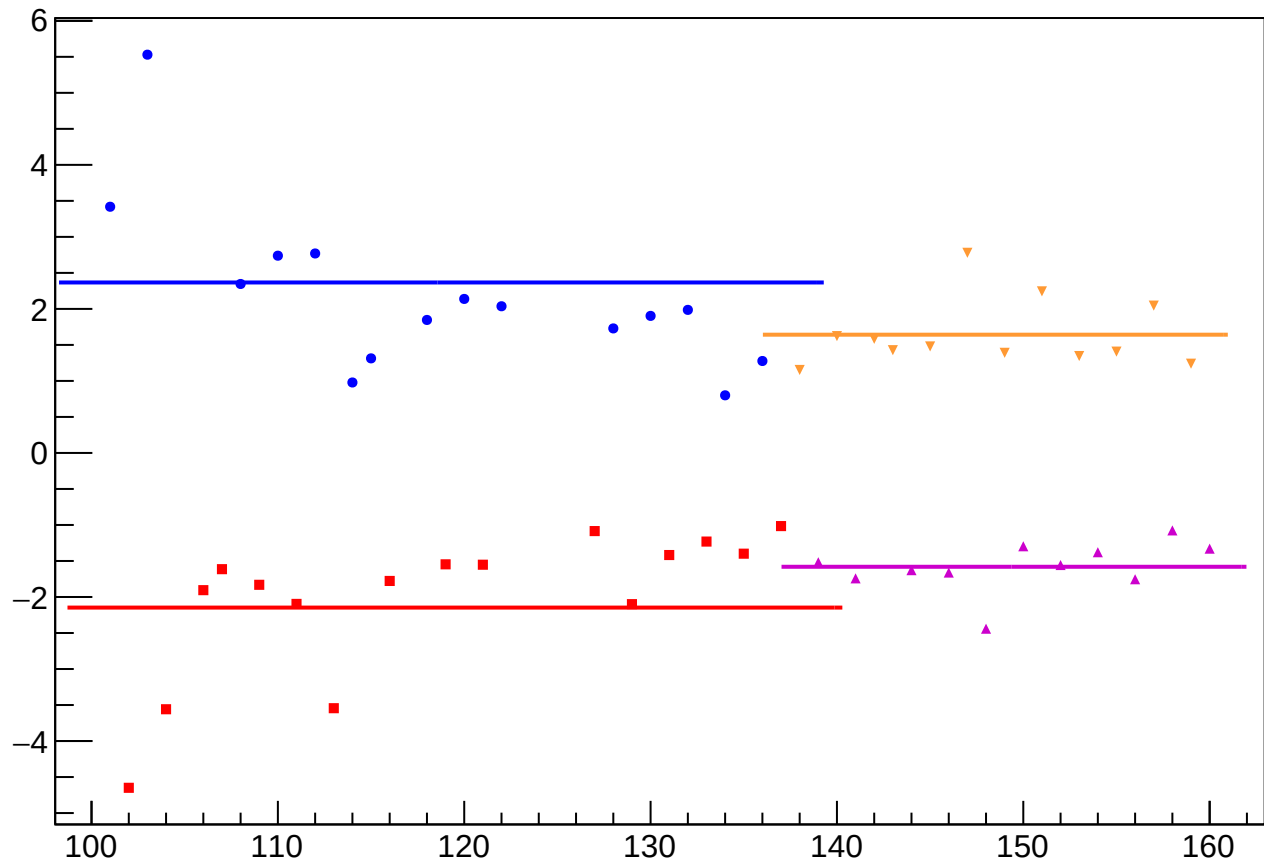
Right: -0.564 ± 0.000 χ^2/NDF : 1371493250181668

In: 2.062 ± 0.000 χ^2/NDF : 1735093437250268156

Out: -2.510 ± 0.000 χ^2/NDF : 16029265277756400

All: -0.229 ± 0.000 χ^2/NDF : 3502860386482

dit_4aY_coil7_err_mean vs Slug, Sign Corrected



Right In: 2.367+/-0.000

χ^2/NDF : 920633294546152876922066767446016.0/14

Left Out: 1.642+/-0.000

χ^2/NDF : 195842148226043527039909915262976.0/11

Right Out: -2.147+/-0.000

χ^2/NDF : 764171992480224478656127555338240.0/15

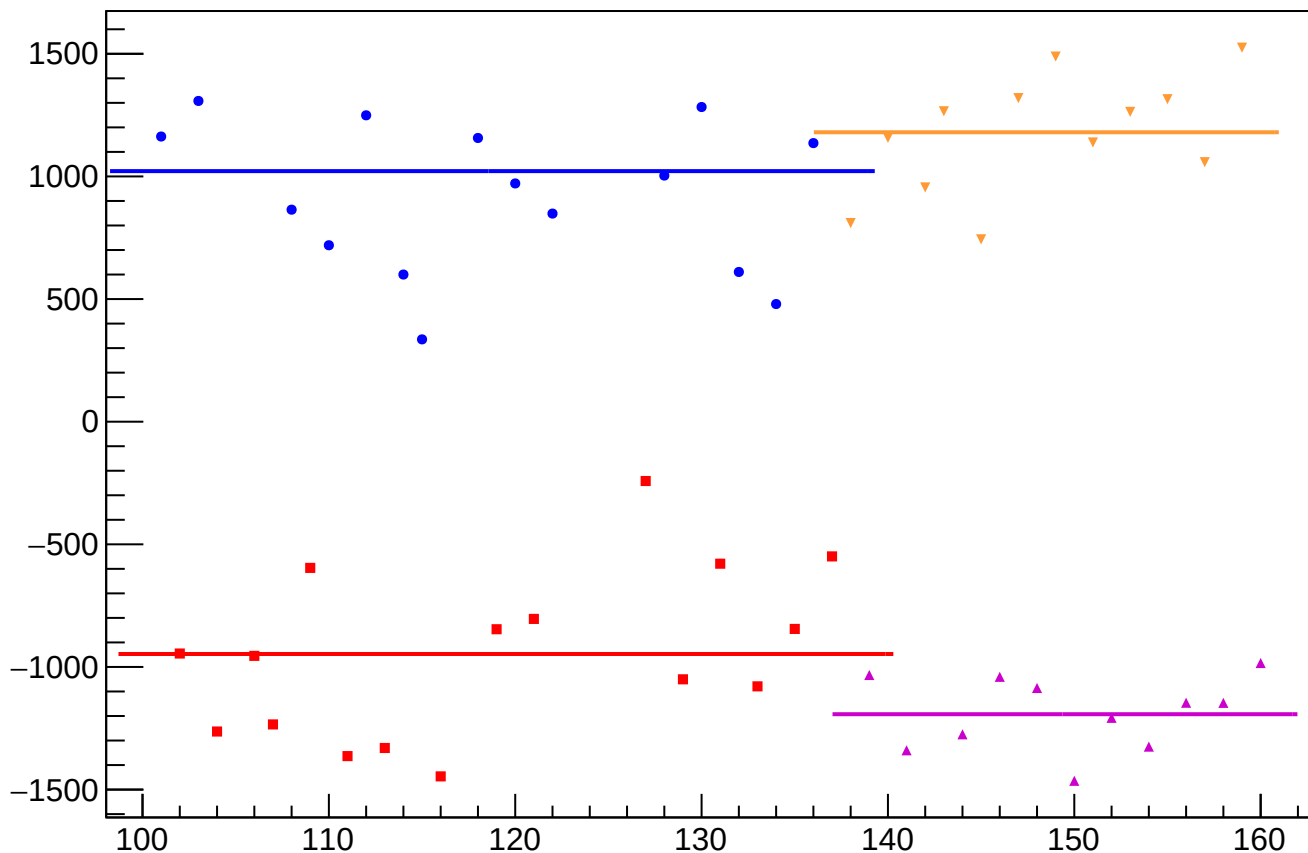
Left In: -1.580+/-0.000

χ^2/NDF : 104159820106689813353171792166912.0/10

All: 0.046+/-0.000

χ^2/NDF : 13461521258222

dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

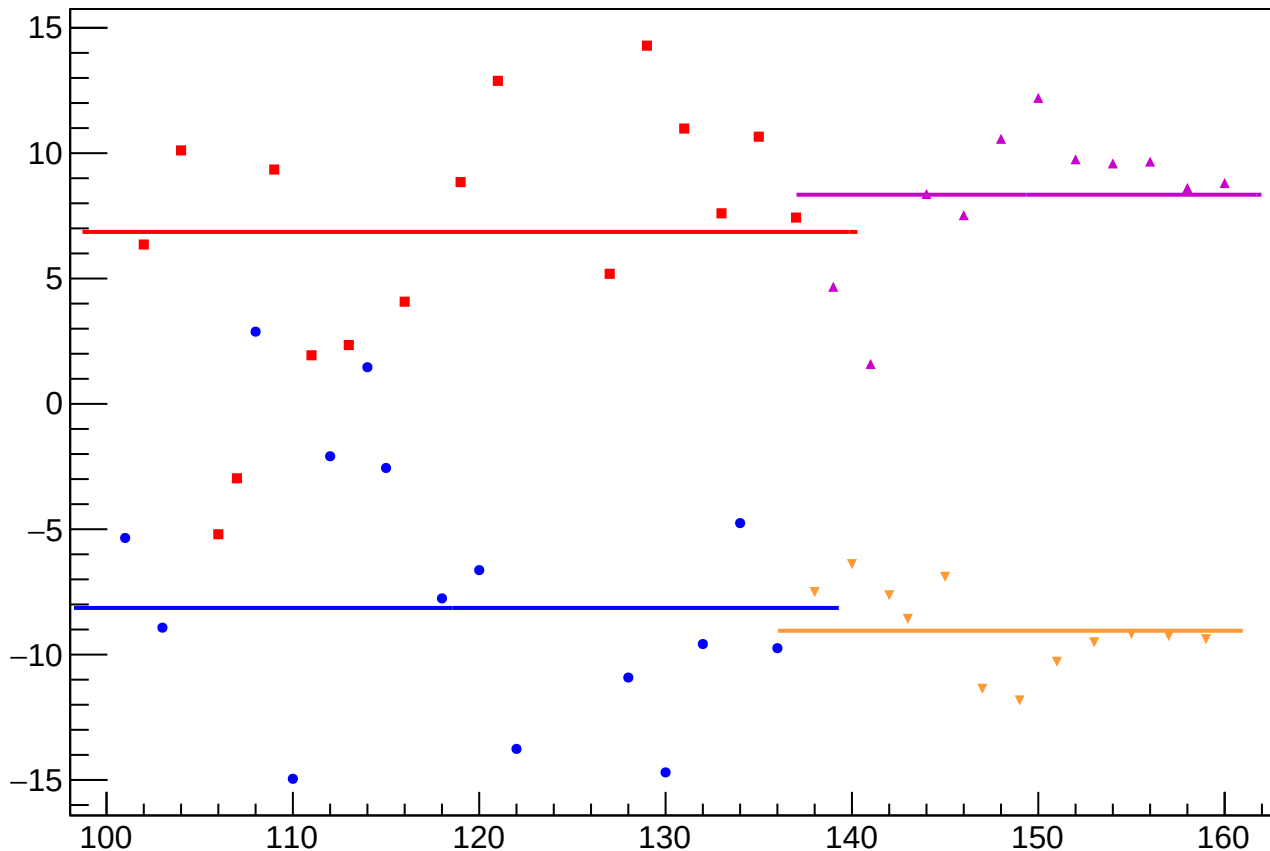
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

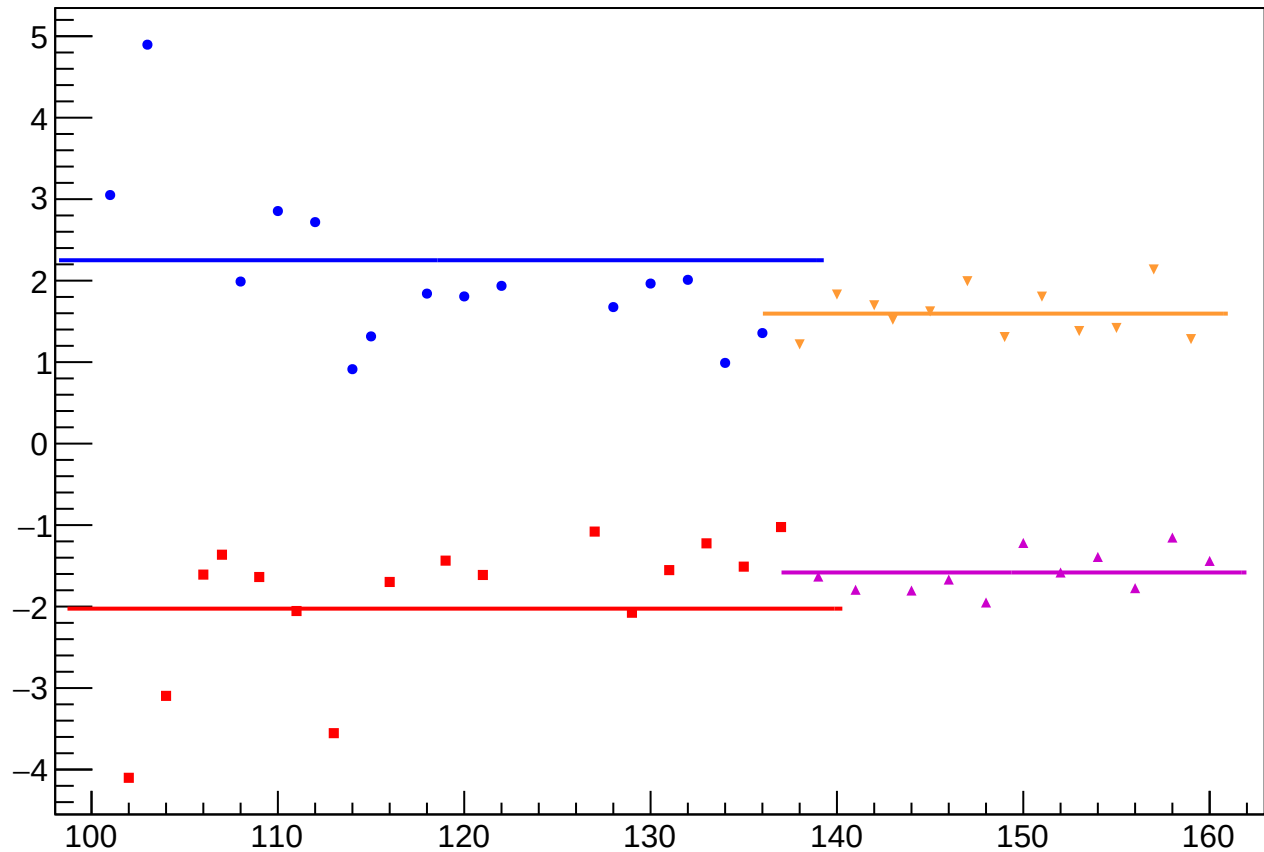
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4eY_coil7_mean vs Slug, Sign Corrected



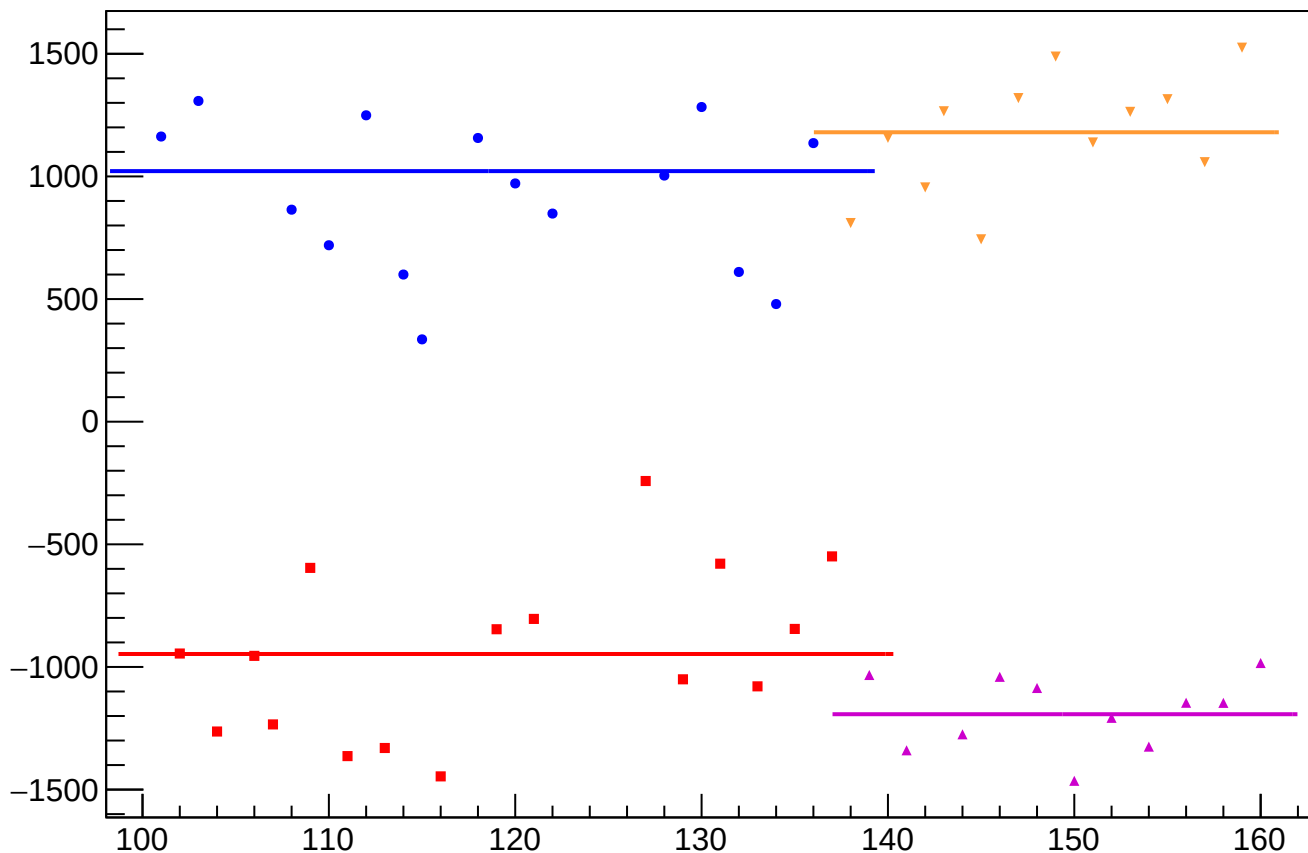
Right In: -8.139 ± 0.000 $\chi^2/\text{NDF}: 14676442649222120372533779893321728.0/14$
 Left Out: -9.049 ± 0.000 $\chi^2/\text{NDF}: 2449058506184839792133889501167616.0/11$
 Right Out: 6.859 ± 0.000 $\chi^2/\text{NDF}: 16483631561591790731352632153079808.0/15$
 Left In: 8.343 ± 0.000 $\chi^2/\text{NDF}: 7268690948063694771204756789526528.0/10$
 All: -0.402 ± 0.000 $\chi^2/\text{NDF}: 2538807042517$

dit_4eY_coil7_err_mean vs Slug, Sign Corrected



Right In: 2.250 +/- 0.000 χ^2/NDF : 656774588136274816295442701090816.0/14
 Left Out: 1.595 +/- 0.000 χ^2/NDF : 76549213292208781148545230045184.0/11
 Right Out: -2.025 +/- 0.000 χ^2/NDF : 578717441762956454616505599918080.0/15
 Left In: -1.582 +/- 0.000 χ^2/NDF : 54930988145763434904897999339520.0/10
 All: 0.034 +/- 0.000 χ^2/NDF : 12024014402929

dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

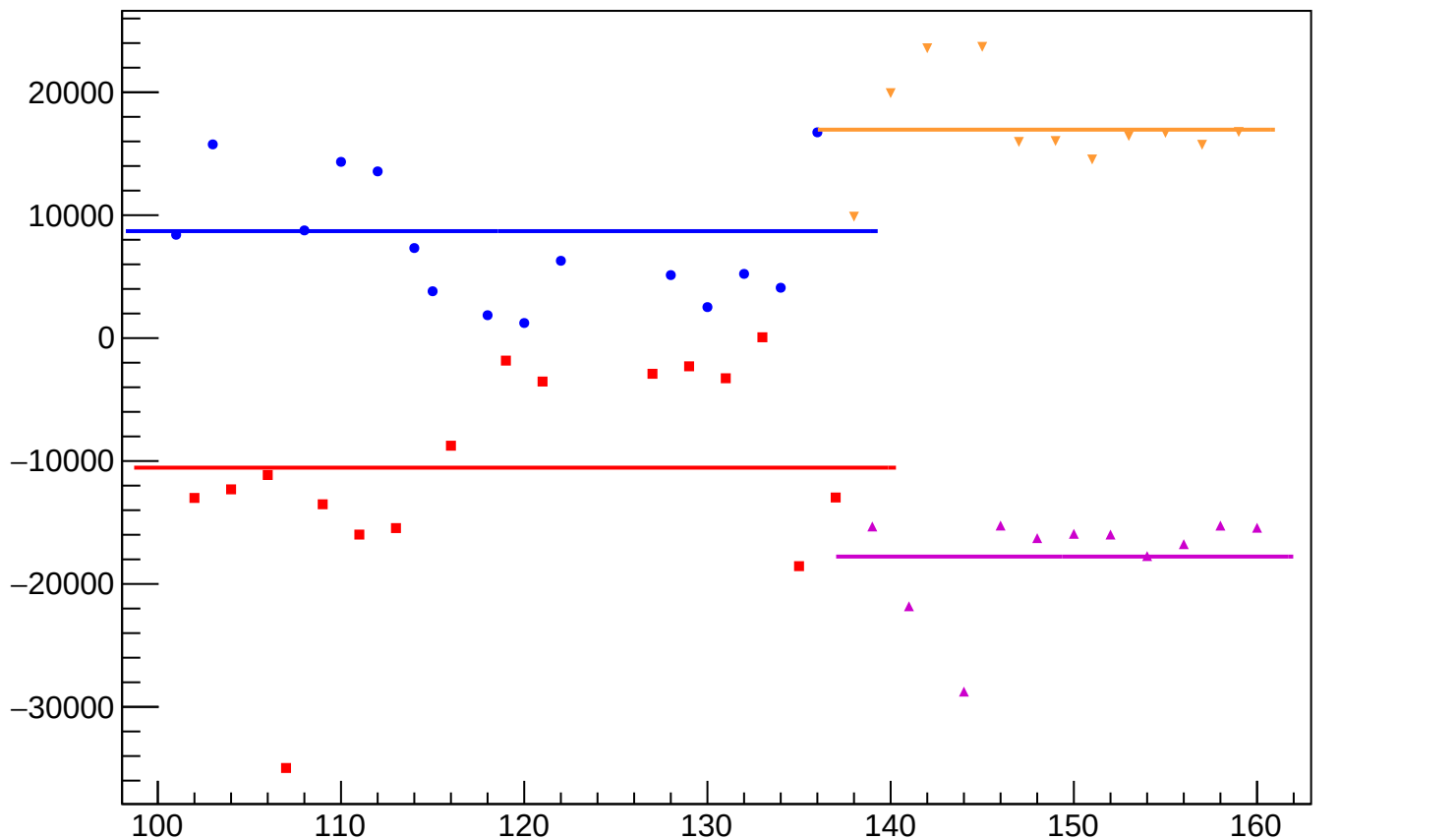
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

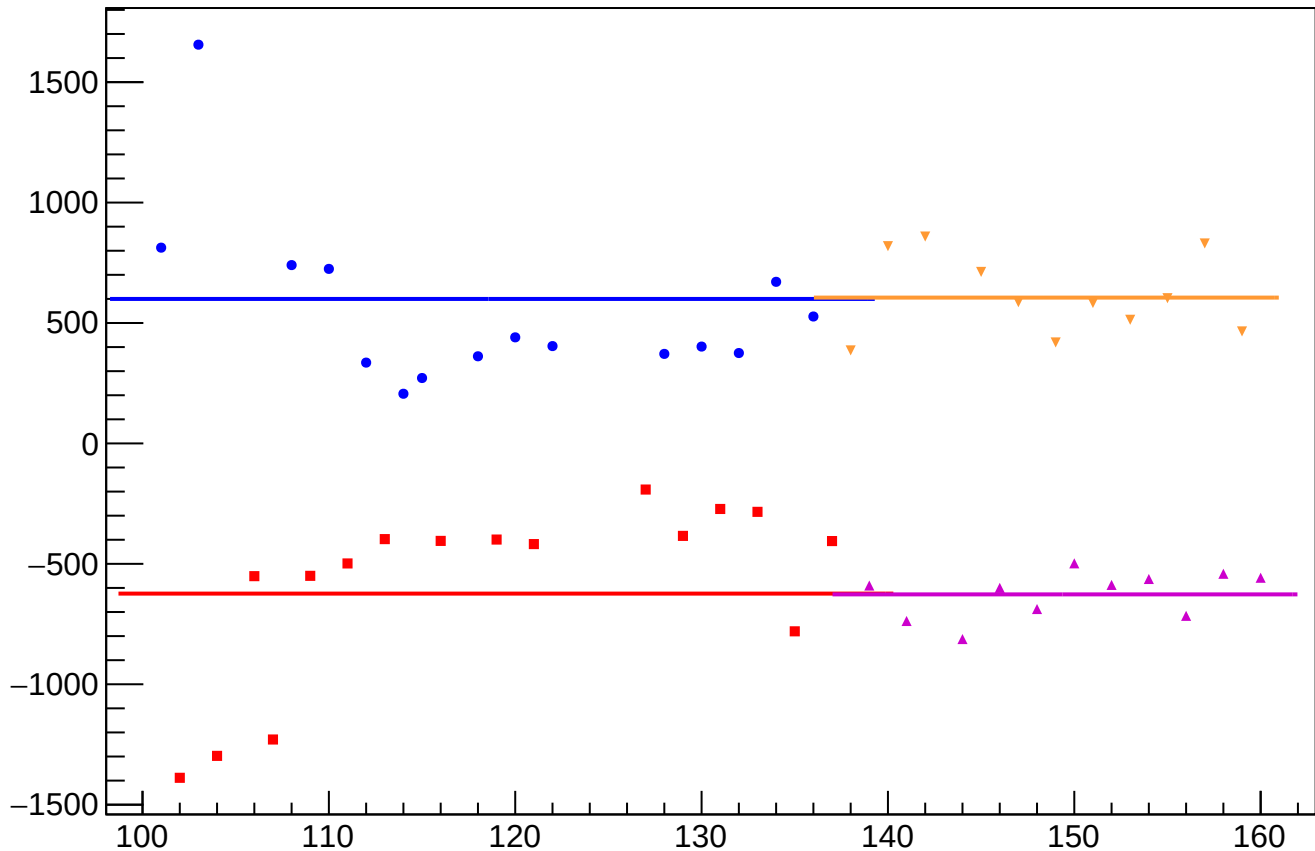
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_usl_coil7_mean vs Slug, Sign Corrected



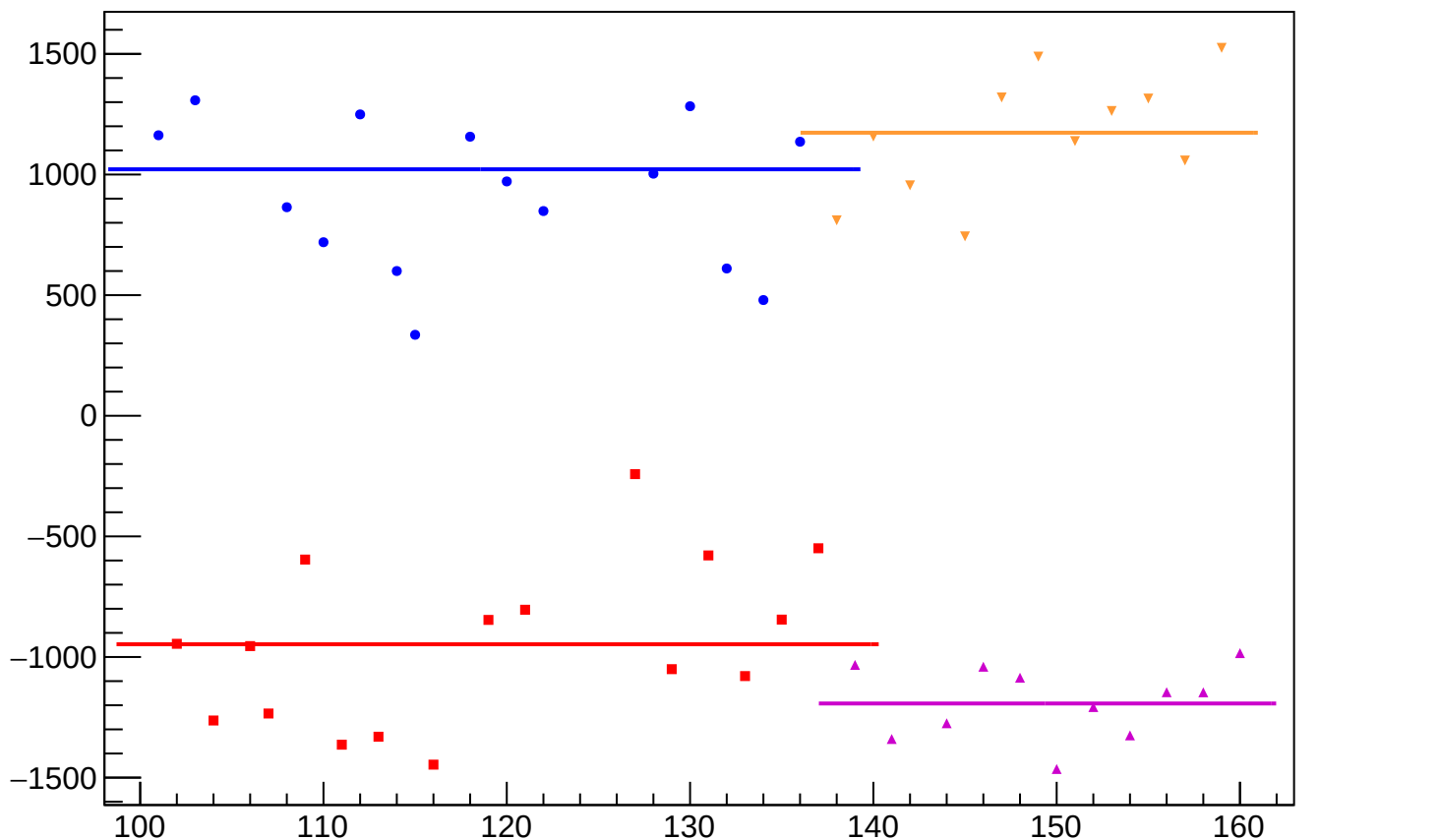
Left: -1162.779 +/- 0.000 χ^2/NDF : 55890843498990
 Right In: 8703.332 +/- 0.000 χ^2/NDF : 19501133067308426859536304500819191922688.0/14
 Right: -1049.596 +/- 0.000 χ^2/NDF : 1875271262832
 Left Out: 16957.575 +/- 0.000 χ^2/NDF : 10938008625550561770285254297697243889664.0/10
 In: -6849.259 +/- 0.000 χ^2/NDF : 301670600144202
 Right Out: -10539.327 +/- 0.000 χ^2/NDF : 46226684227836109273394062569753758662656.0/15
 Out: 4843.682 +/- 0.000 χ^2/NDF : 339295749801159
 Left In: -17773.103 +/- 0.000 χ^2/NDF : 14926066991142889452676587552618632445952.0/10
 All: -1114.529 +/- 0.000 χ^2/NDF : 7464452329

dit_usl_coil7_err_mean vs Slug, Sign Corrected



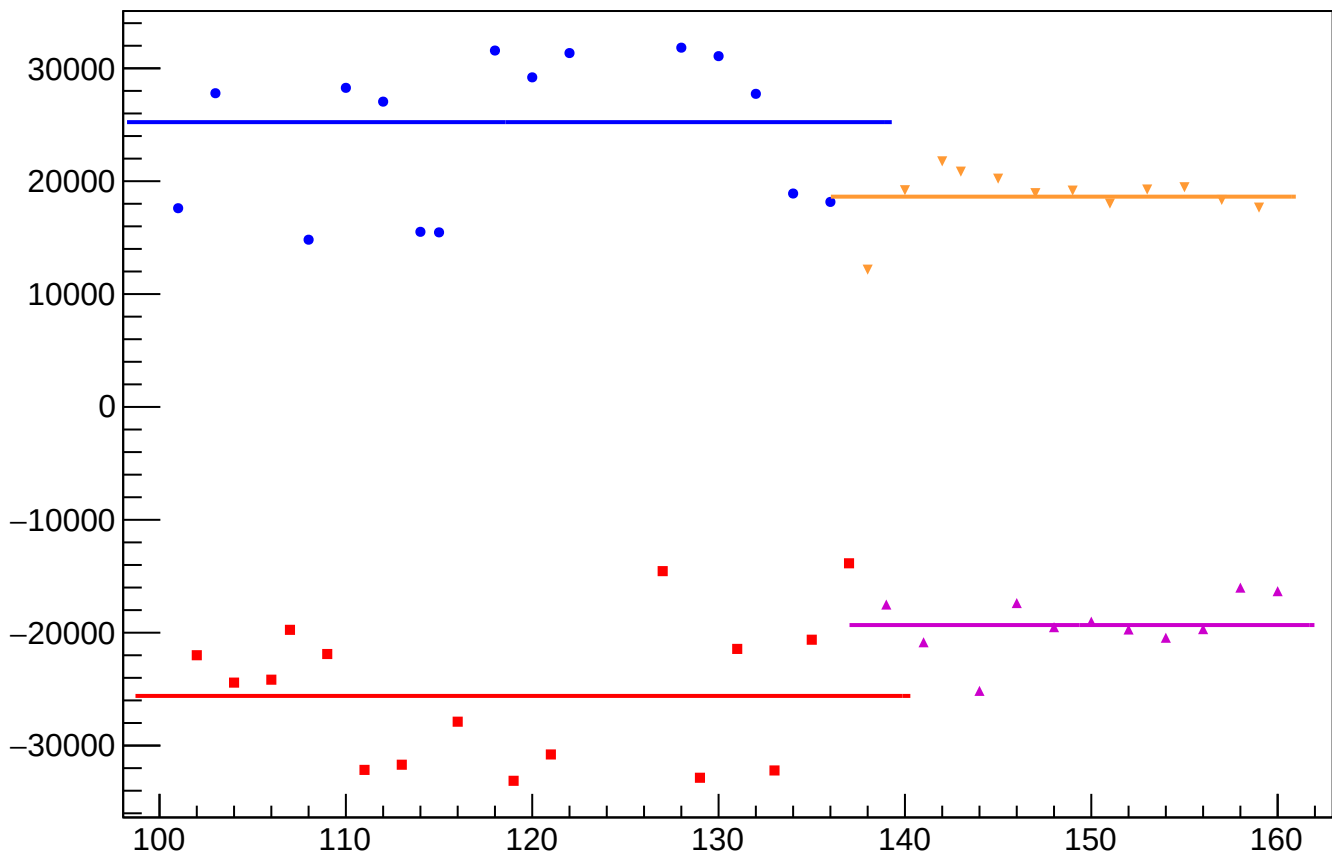
Right In: 599.849 +/- 0.000 χ^2/NDF : 89258961100373244309337208715638472704.0/14
 Left Out: 605.454 +/- 0.000 χ^2/NDF : 20600036696576889686488913862706855936.0/10
 Right Out: -623.569 +/- 0.000 χ^2/NDF : 101448845479297603044152618126879490048.0/15
 Left In: -626.785 +/- 0.000 χ^2/NDF : 8170989429665370050254275774703992832.0/10
 All: -30.110 +/- 0.000 χ^2/NDF : 138304886705

dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected



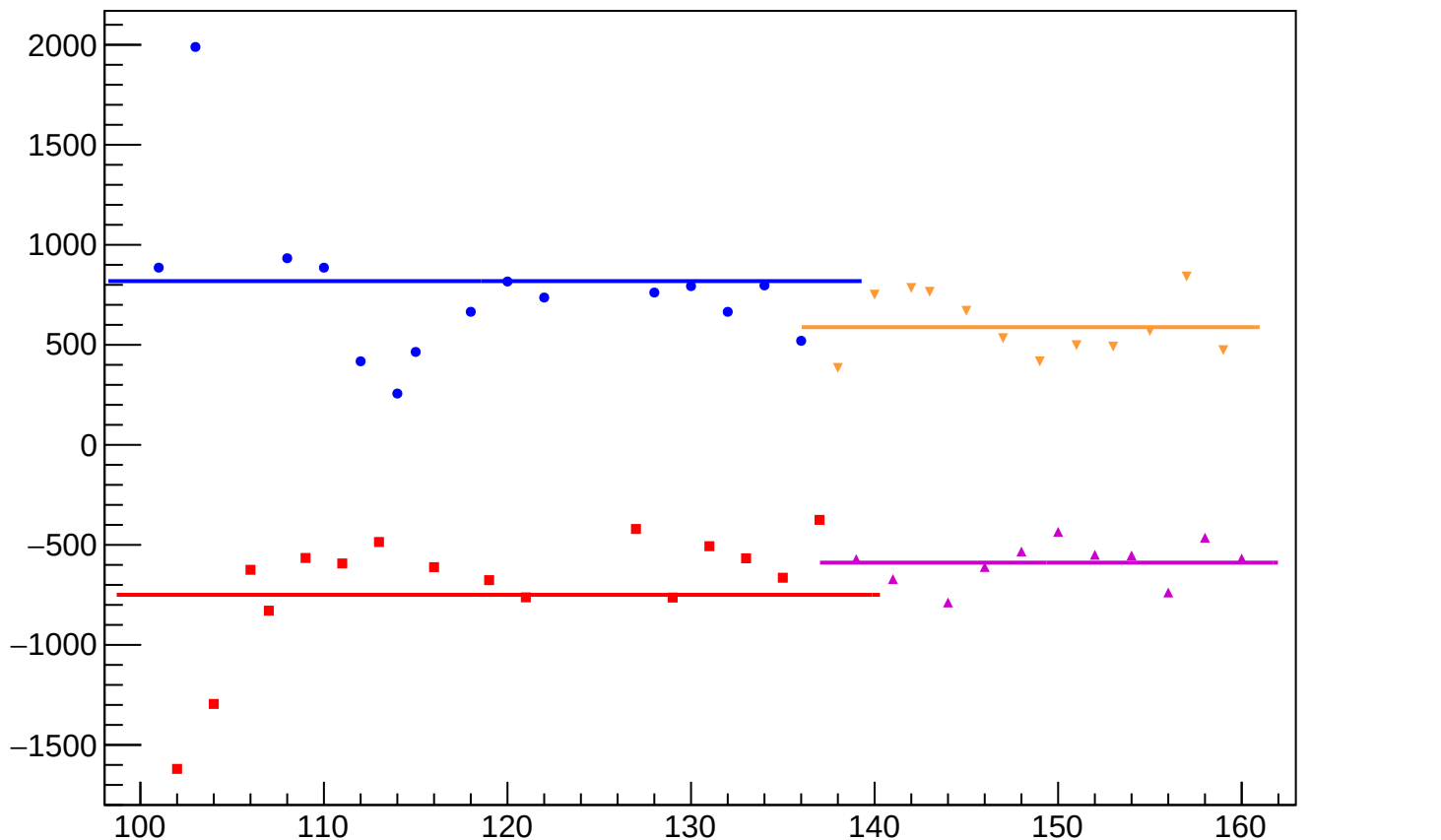
Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1173.334 +/- 0.000 χ^2/NDF : 50259225692125439679244442751924699136.0/10
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 1925528738372820562654022867381911552.0/10
 All: -24.912 +/- 0.000 χ^2/NDF : 393215150522

dit_usr_coil7_mean vs Slug, Sign Corrected



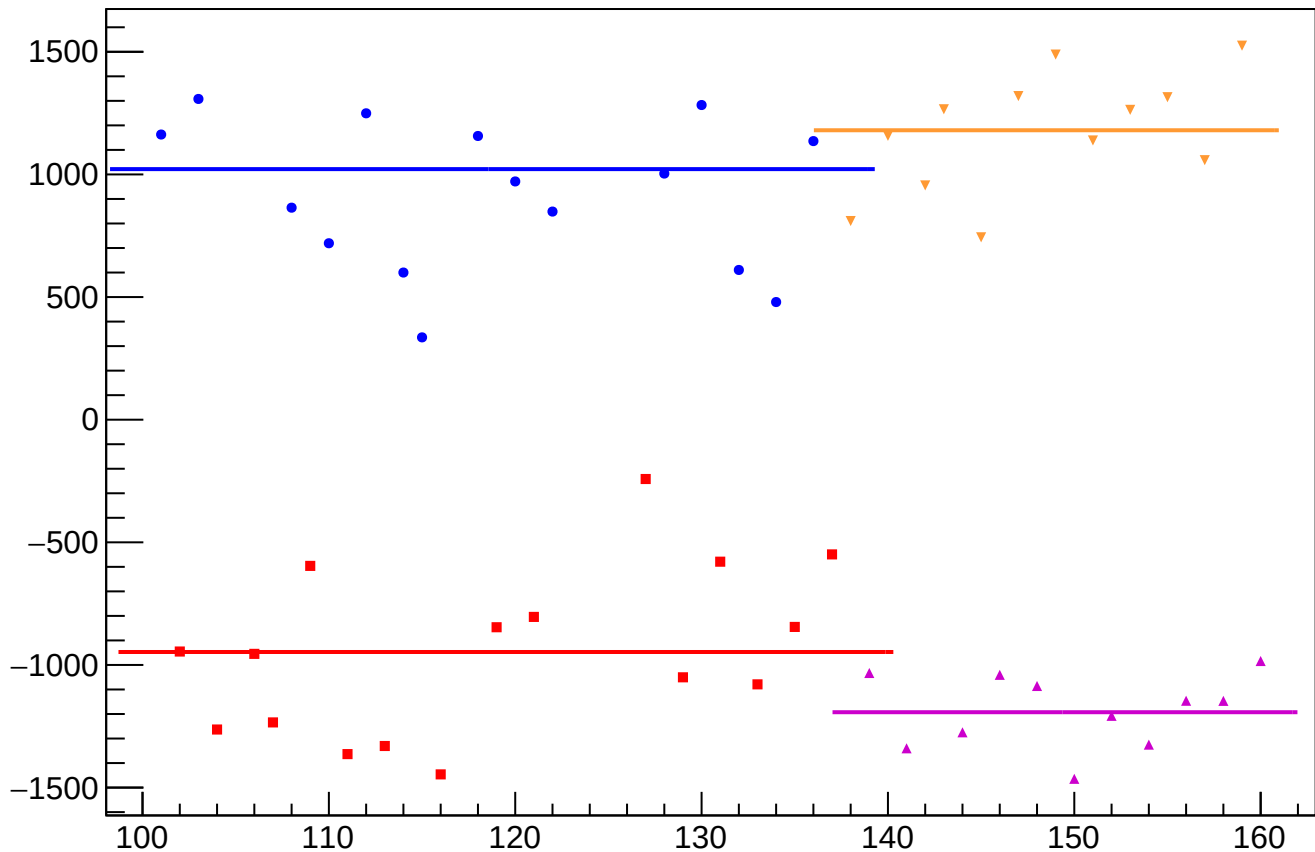
Right In: 25232.229+/-0.000 χ^2/NDF : 24534581974772031016304633863538632294400.0/14
 Left Out: 18630.609+/-0.000 χ^2/NDF : 4499157177792733453337123782201790431232.0/11
 Right Out: -25601.388+/-0.000 χ^2/NDF : 24359757587964510827650819847270483099648.0/15
 Left In: -19322.974+/-0.000 χ^2/NDF : 5509841990831420617123513924011035721728.0/10
 All: -483.976+/-0.000 χ^2/NDF : 15707826192

dit_usr_coil7_err_mean vs Slug, Sign Corrected



Right In: 818.668 ± 0.000 $\chi^2/\text{NDF}: 105606527096911974489496802318373355520.0/14$
 Left Out: 588.391 ± 0.000 $\chi^2/\text{NDF}: 20060197377989114991296665666078113792.0/11$
 Right Out: -749.661 ± 0.000 $\chi^2/\text{NDF}: 77972691834605708706145461250669150208.0/15$
 Left In: -588.693 ± 0.000 $\chi^2/\text{NDF}: 9904386894828699094725074481582178304.0/10$
 All: 7.967 ± 0.000 $\chi^2/\text{NDF}: 16598147133155$

dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

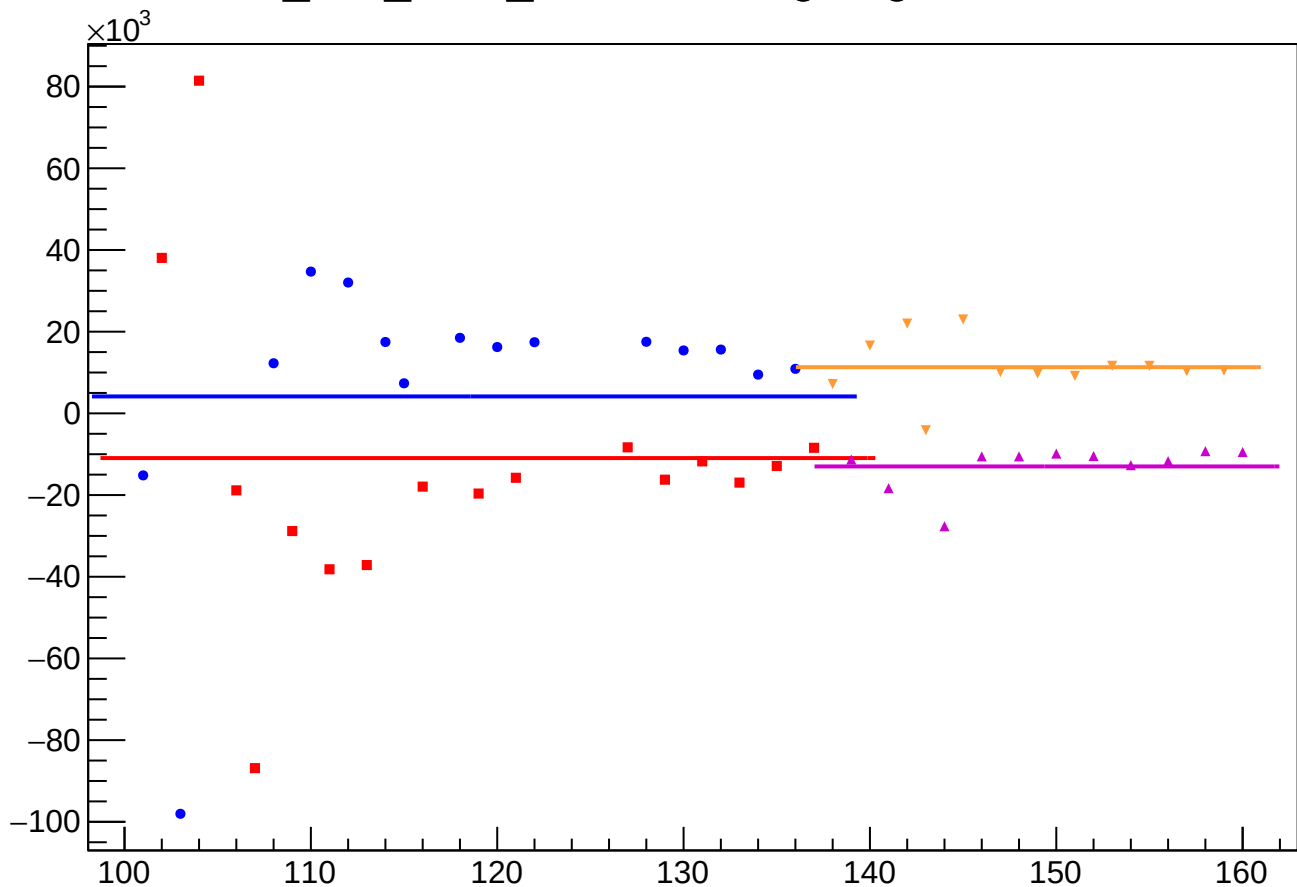
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

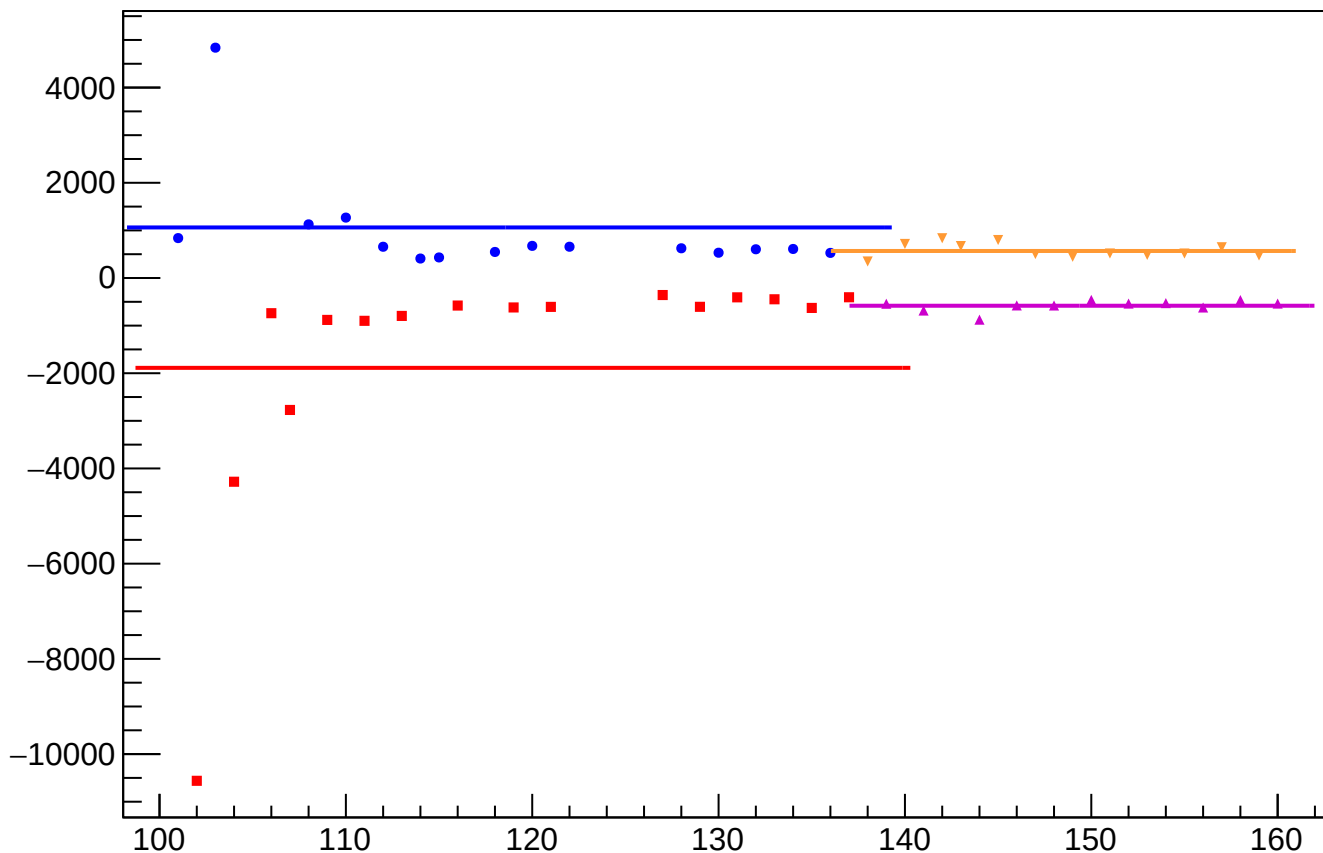
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atl1_coil7_mean vs Slug, Sign Corrected



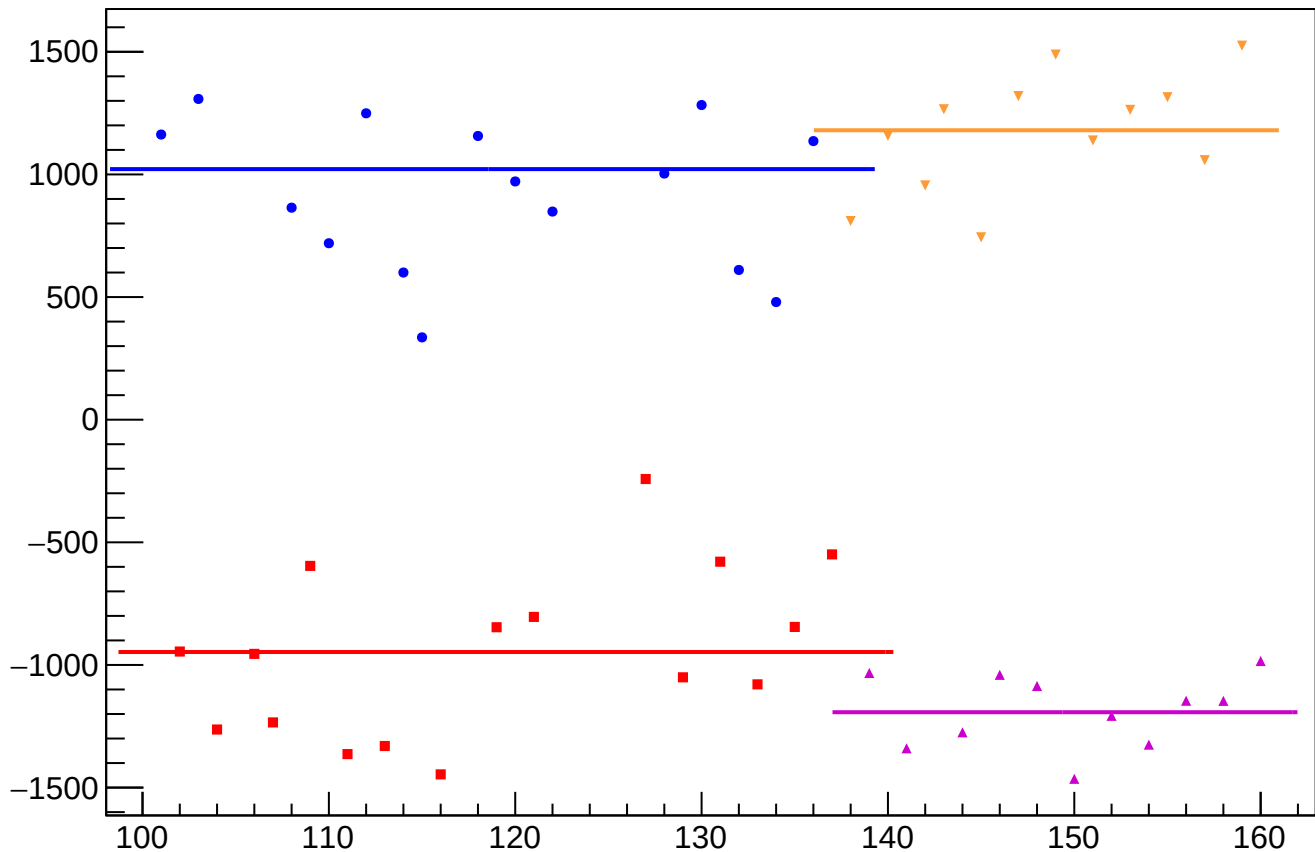
Left: -909.343 ± 0.000 $\chi^2/\text{NDF}: 334047502497759$
 Right In: 4145.268 ± 0.000 $\chi^2/\text{NDF}: 763693998395064689637972381933507648159744.0/14$
 Right: -3504.625 ± 0.000 $\chi^2/\text{NDF}: 1712578788282$
 Left Out: 11307.773 ± 0.000 $\chi^2/\text{NDF}: 36281065862244259787300982388178548686848.0/11$
 In: -5922.694 ± 0.000 $\chi^2/\text{NDF}: 902084767732052$
 Right Out: -10948.073 ± 0.000 $\chi^2/\text{NDF}: 873949668510327201514601463115396191092736.0/15$
 Out: 1918.368 ± 0.000 $\chi^2/\text{NDF}: 110122853896245$
 Left In: -12994.239 ± 0.000 $\chi^2/\text{NDF}: 26399397473209063315648711040224276250624.0/10$
 All: -1992.219 ± 0.000 $\chi^2/\text{NDF}: 2051791747$

dit_atl1_coil7_err_mean vs Slug, Sign Corrected



Right In: 1062.141+/-0.000 χ^2/NDF : 952806231926530012715872184655778152448.0/14
 Left Out: 567.733+/-0.000 χ^2/NDF : 17522884747687495168010192179255312384.0/11
 Right Out: -1887.077+/-0.000 χ^2/NDF : 5525872718363845620366029387569058283520.0/15
 Left In: -582.413+/-0.000 χ^2/NDF : 118601444625381813814678965729624064.0/10
 All: -186.618+/-0.000 χ^2/NDF : 10113638171

dit_atl1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

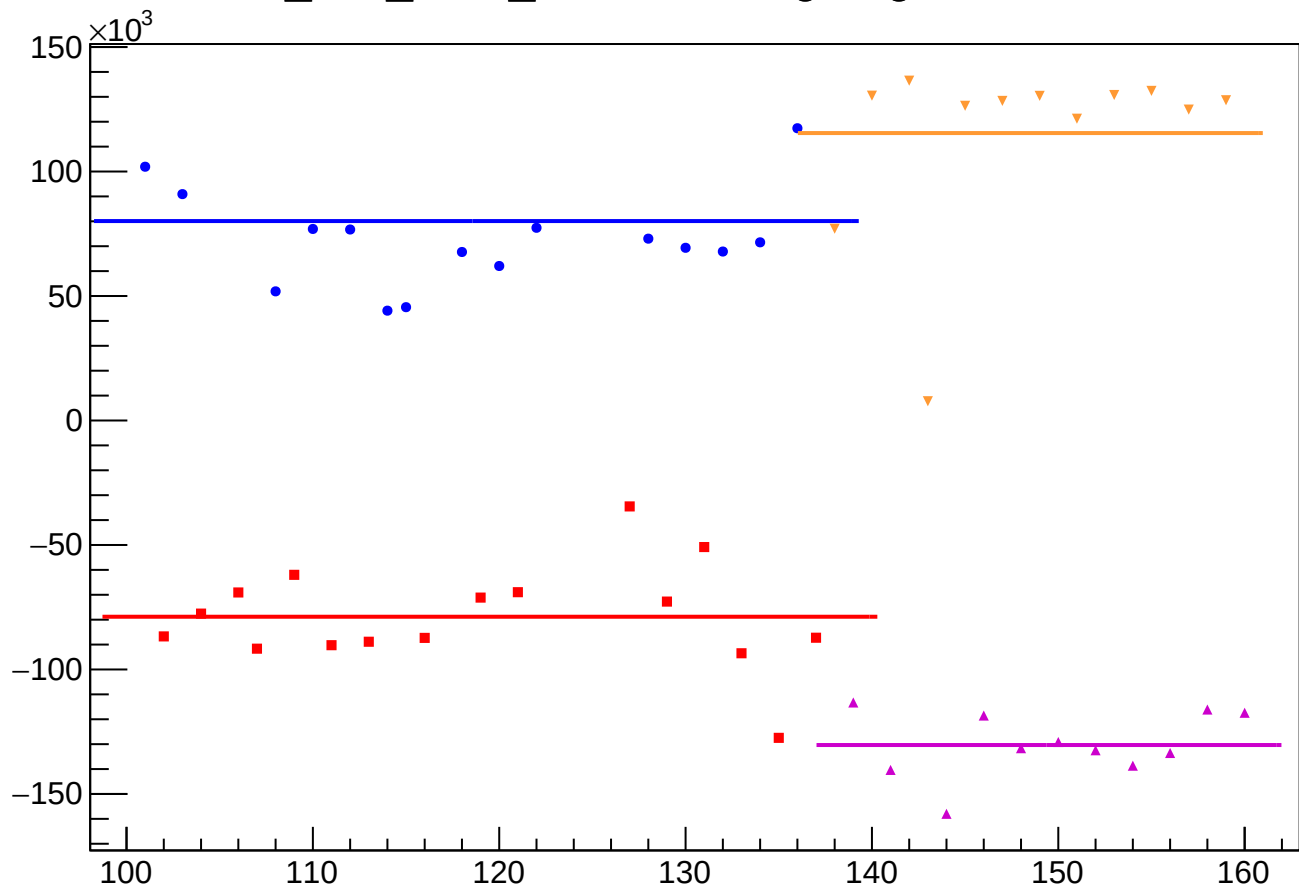
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atl2_coil7_mean vs Slug, Sign Corrected



Right In: 80102.504+/-0.000

χ^2/NDF : 254521784097258654723607522631742465769472.0/14

Left Out: 115448.893+/-0.000

χ^2/NDF : 1038801657464811255416211206986838896017408.0/11

Right Out: -78815.832+/-0.000

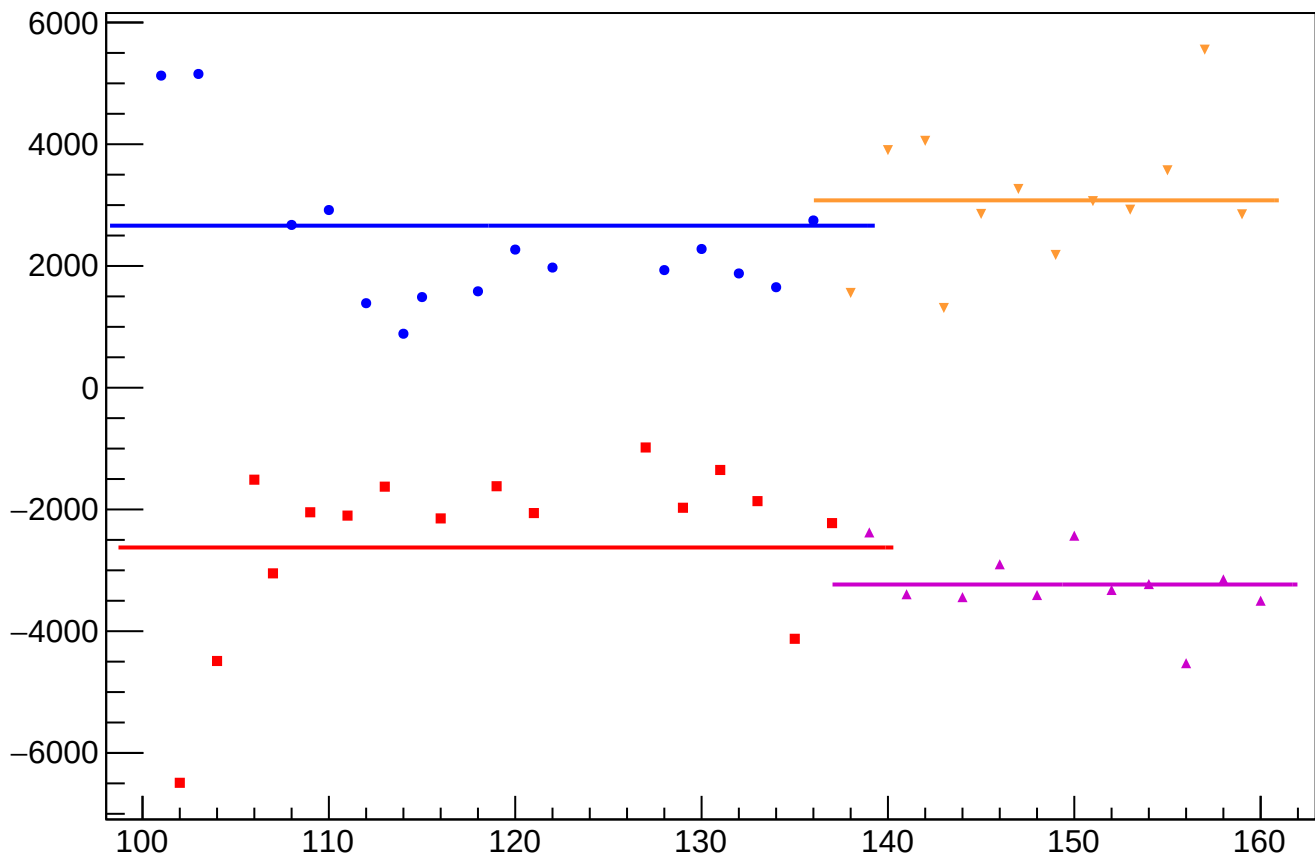
χ^2/NDF : 286076919217811099434470442231998185472000.0/15

Left In: -130346.244+/-0.000

χ^2/NDF : 148174871015439819820100459279999278514176.0/10

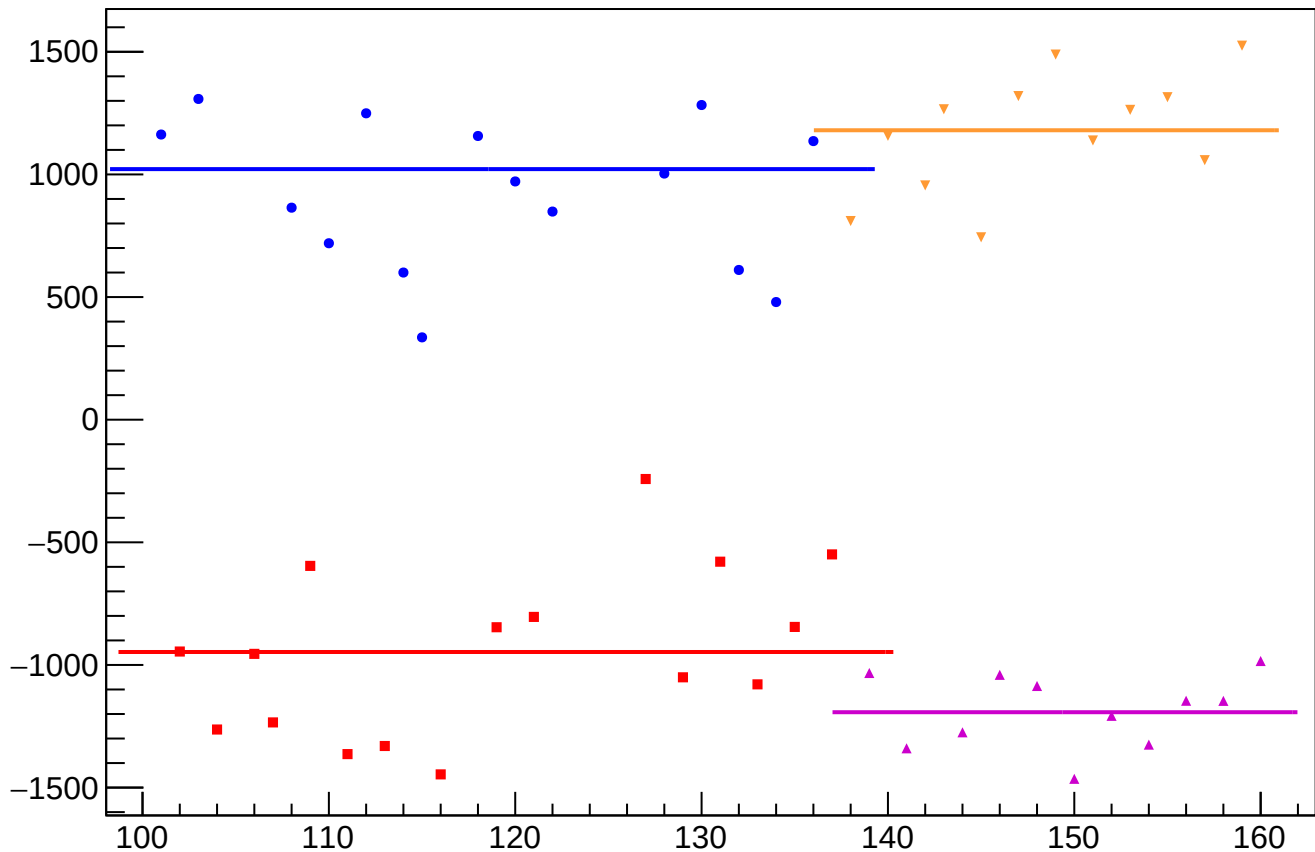
All: -4915.433+/-0.000 χ^2/NDF : 3784007443

dit_atl2_coil7_err_mean vs Slug, Sign Corrected



Right In: 2662.183+/-0.000 χ^2/NDF : 1031389230165640157864439705583367487488.0/14
 Left Out: 3077.945+/-0.000 χ^2/NDF : 1073709891492389198093936322660595138560.0/11
 Right Out: -2624.696+/-0.000 χ^2/NDF : 1566705216866534713590934835660406652928.0/15
 Left In: -3232.879+/-0.000 χ^2/NDF : 275721007613891276741007240283331493888.0/10
 All: -62.414+/-0.000 χ^2/NDF : 314460236947

dit_atl2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

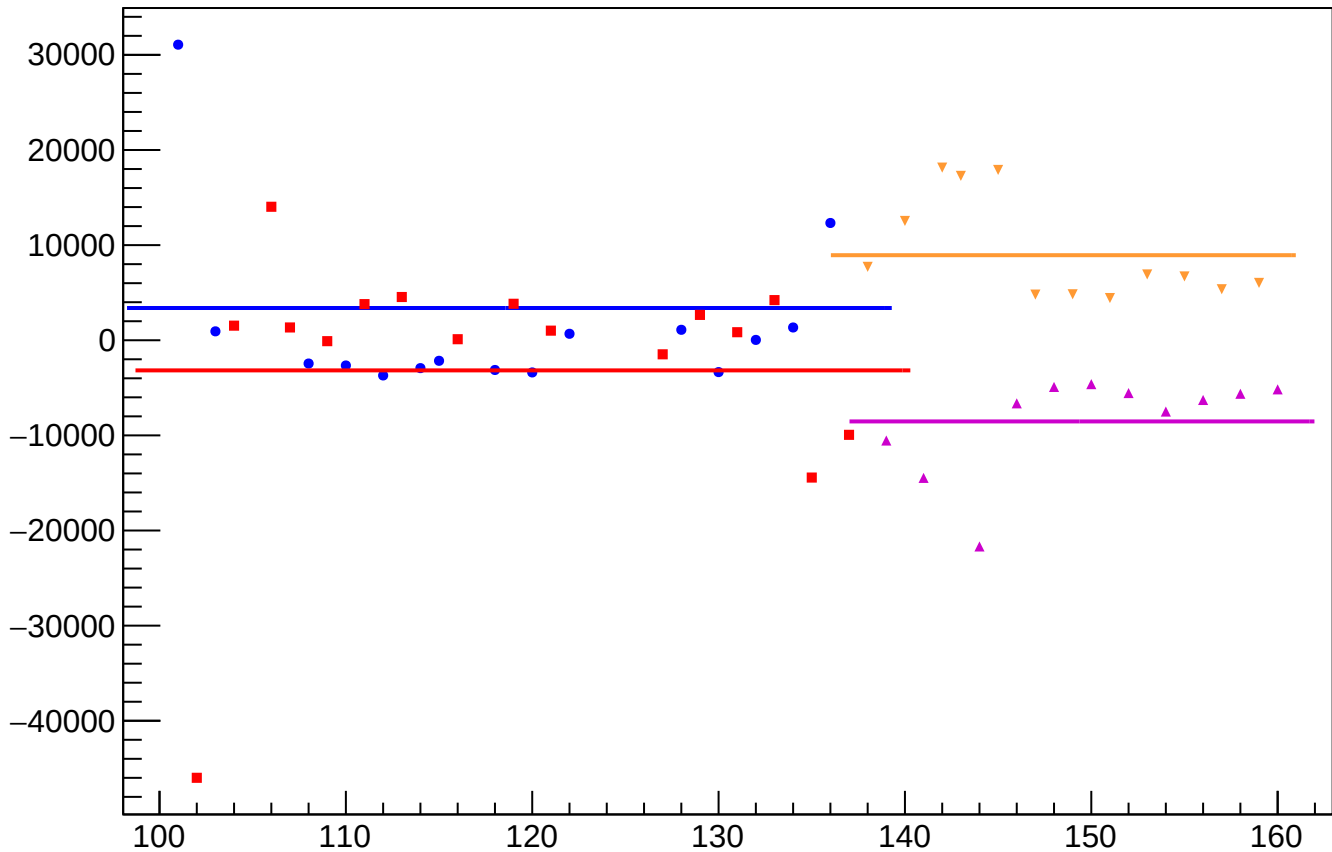
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atr1_coil7_mean vs Slug, Sign Corrected



Right In: 3390.550+/-0.000

χ^2/NDF : 65871927441553256724179194556280173756416.0/14

Left Out: 8941.712+/-0.000

χ^2/NDF : 22757542723529976862924189628837264359424.0/11

Right Out: -3167.396+/-0.000

χ^2/NDF : 137753886677241144460462531881687568089088.0/15

Left In: -8532.821+/-0.000

χ^2/NDF : 24299515949380224586324737558095226470400.0/10

All: 119.281+/-0.000

χ^2/NDF : 405144112898

Left: 156.909+/-0.000 χ^2/NDF : 1873655199537507

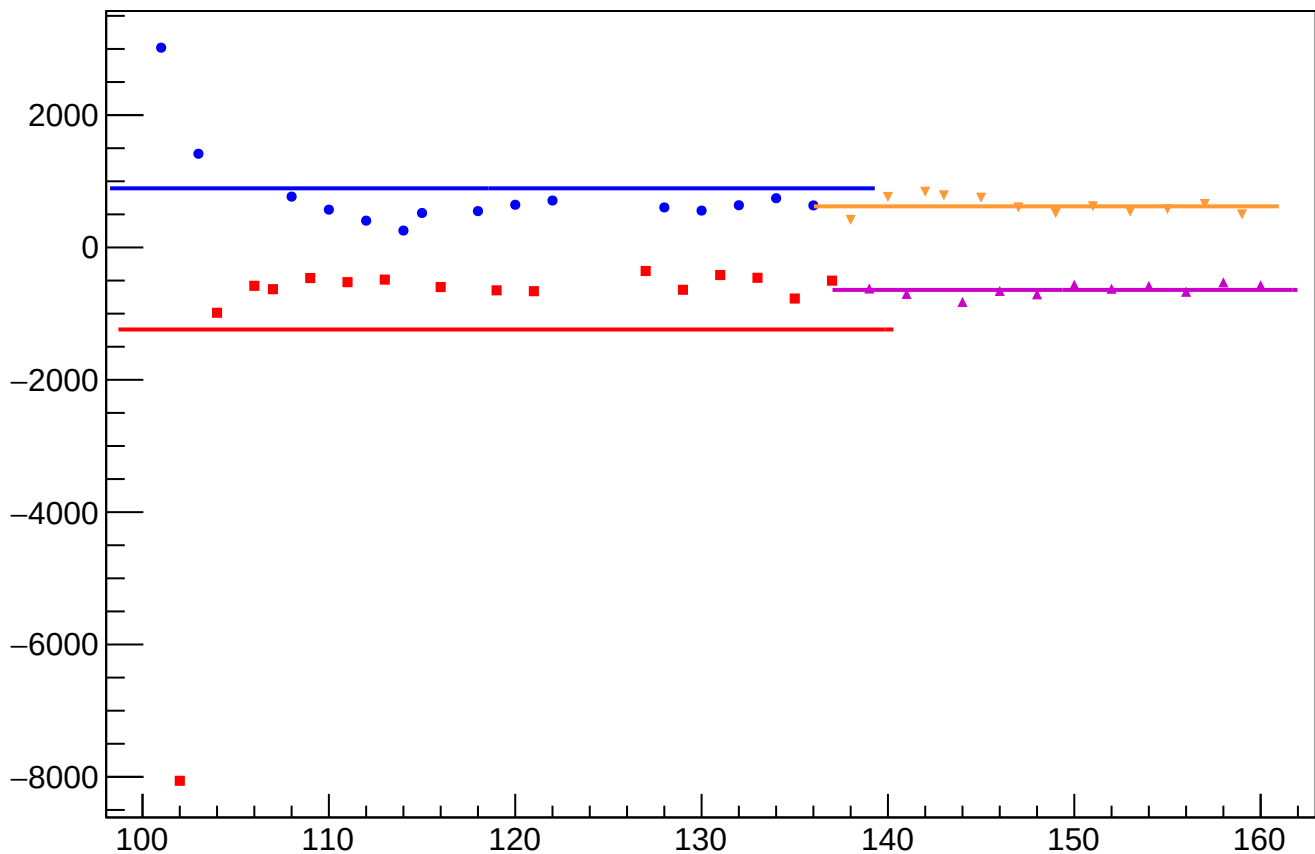
Right: 66.728+/-0.000 χ^2/NDF : 2177723560844725

In: -3613.388+/-0.000 χ^2/NDF : 144369798447171

Out: 3833.063+/-0.000 χ^2/NDF : 217052558141828

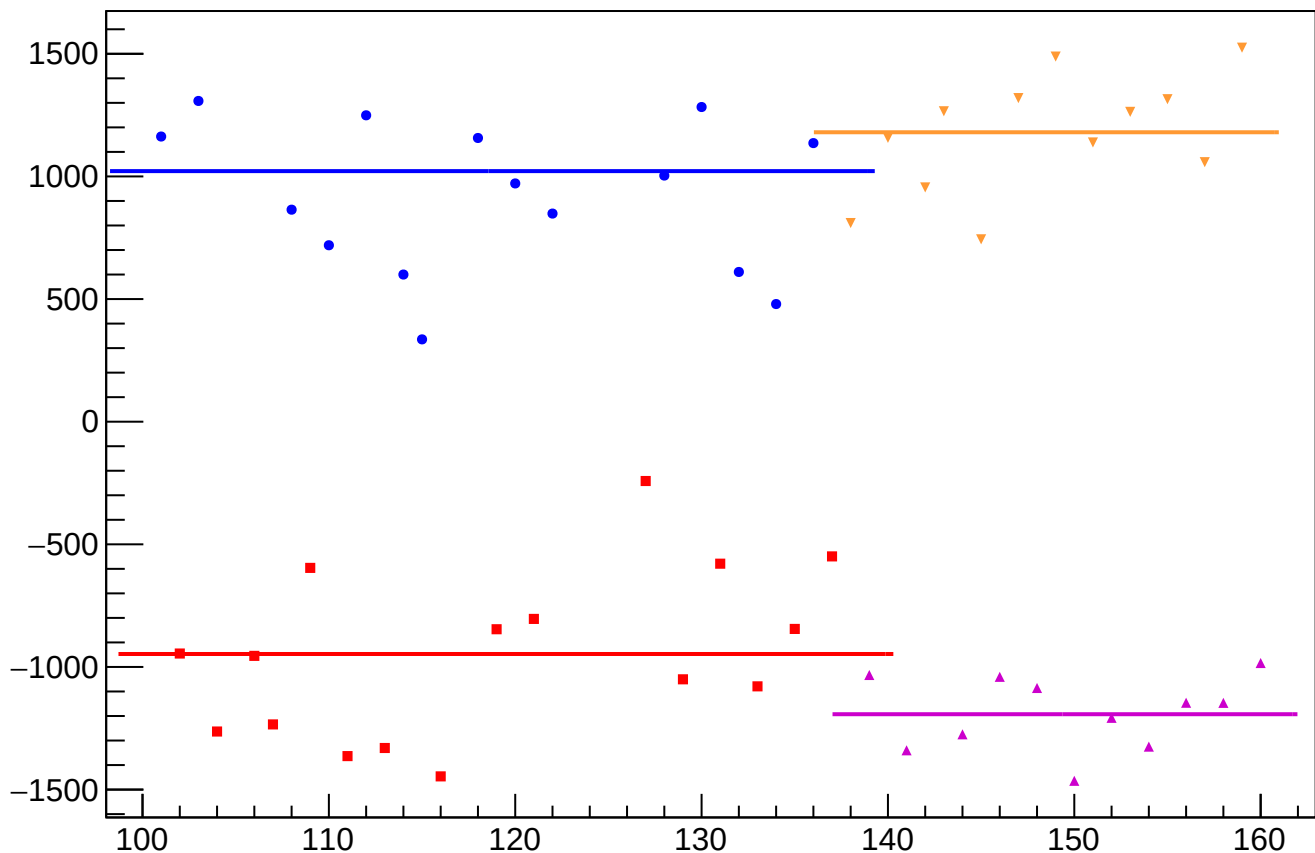
All: 119.281+/-0.000 χ^2/NDF : 405144112898

dit_atr1_coil7_err_mean vs Slug, Sign Corrected



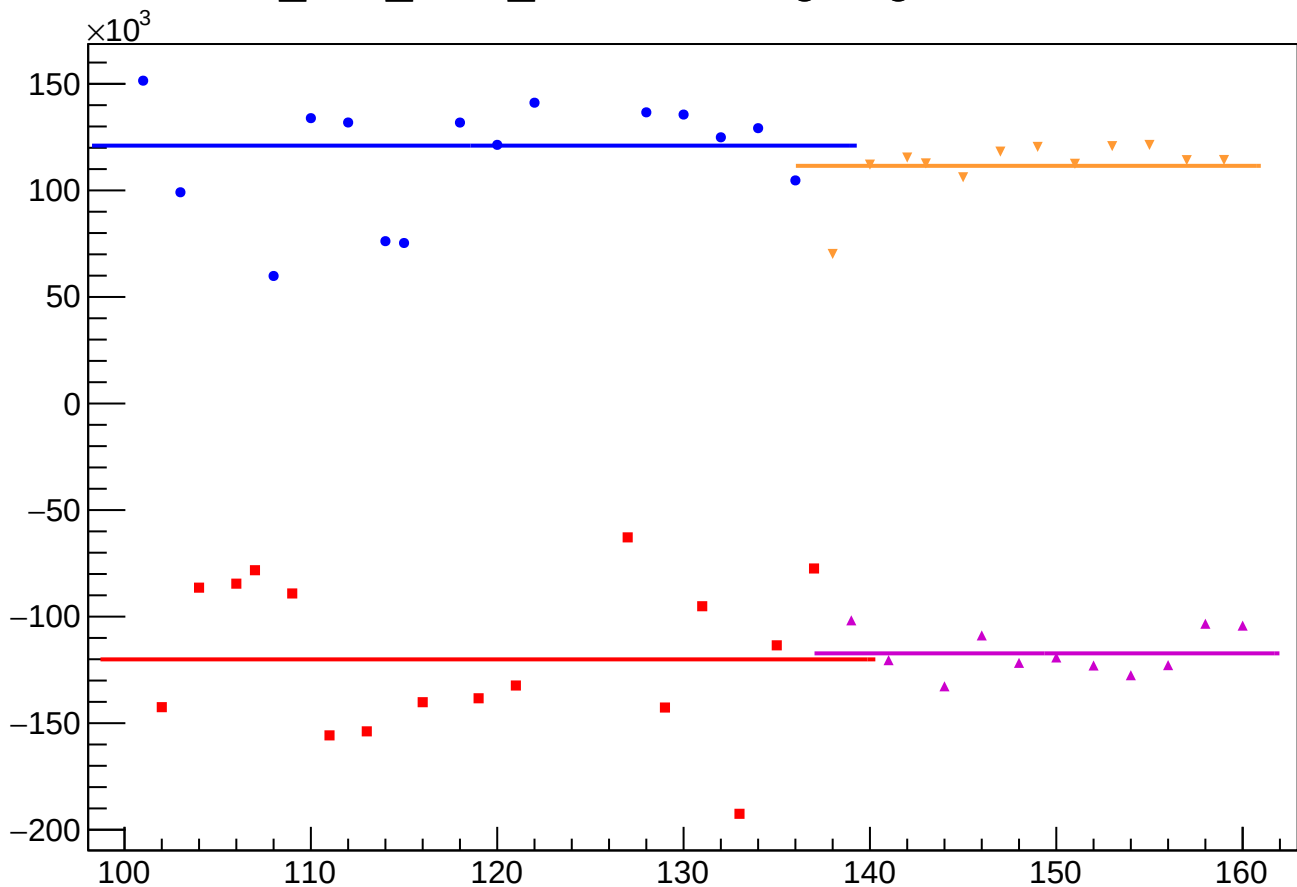
Right In: 893.683+/-0.000 χ^2/NDF : 334583619078631008932404228227359309824.0/14
 Left Out: 621.395+/-0.000 χ^2/NDF : 13220761349033595391183034930255888384.0/11
 Right Out: -1239.298+/-0.000 χ^2/NDF : 2970990859486483990408108918937565003776.0/15
 Left In: -641.490+/-0.000 χ^2/NDF : 6047241871046466320943152926715543552.0/10
 All: -86.047+/-0.000 χ^2/NDF : 557740460848

dit_atr1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000	χ^2/NDF : 40493101470870278397836276403592495104.0/14	Left: -12.747+/-0.000	χ^2/NDF : 2657013306605046
Left Out: 1180.103+/-0.000	χ^2/NDF : 50788606804690292724539730503787347968.0/11	Right: 23.805+/-0.000	χ^2/NDF : 1383338523153511
Right Out: -947.145+/-0.000	χ^2/NDF : 67784656011936521511169668028018196480.0/15	In: -279.065+/-0.000	χ^2/NDF : 1929090788254319
Left In: -1192.687+/-0.000	χ^2/NDF : 19255287383728205662654022867381911552.0/10	Out: 282.649+/-0.000	χ^2/NDF : 1863497273761245
	All: 2.504+/-0.000	χ^2/NDF : 40413764320356	

dit_atr2_coil7_mean vs Slug, Sign Corrected



Right In: 121016.482 $\pm$ 0.000

χ^2/NDF : 358713856404303554987784975983609668173824.0/14

Left Out: 111531.681 $\pm$ 0.000

χ^2/NDF : 162724299829921950370834246417372913074176.0/11

Right Out: -120060.693 $\pm$ 0.000

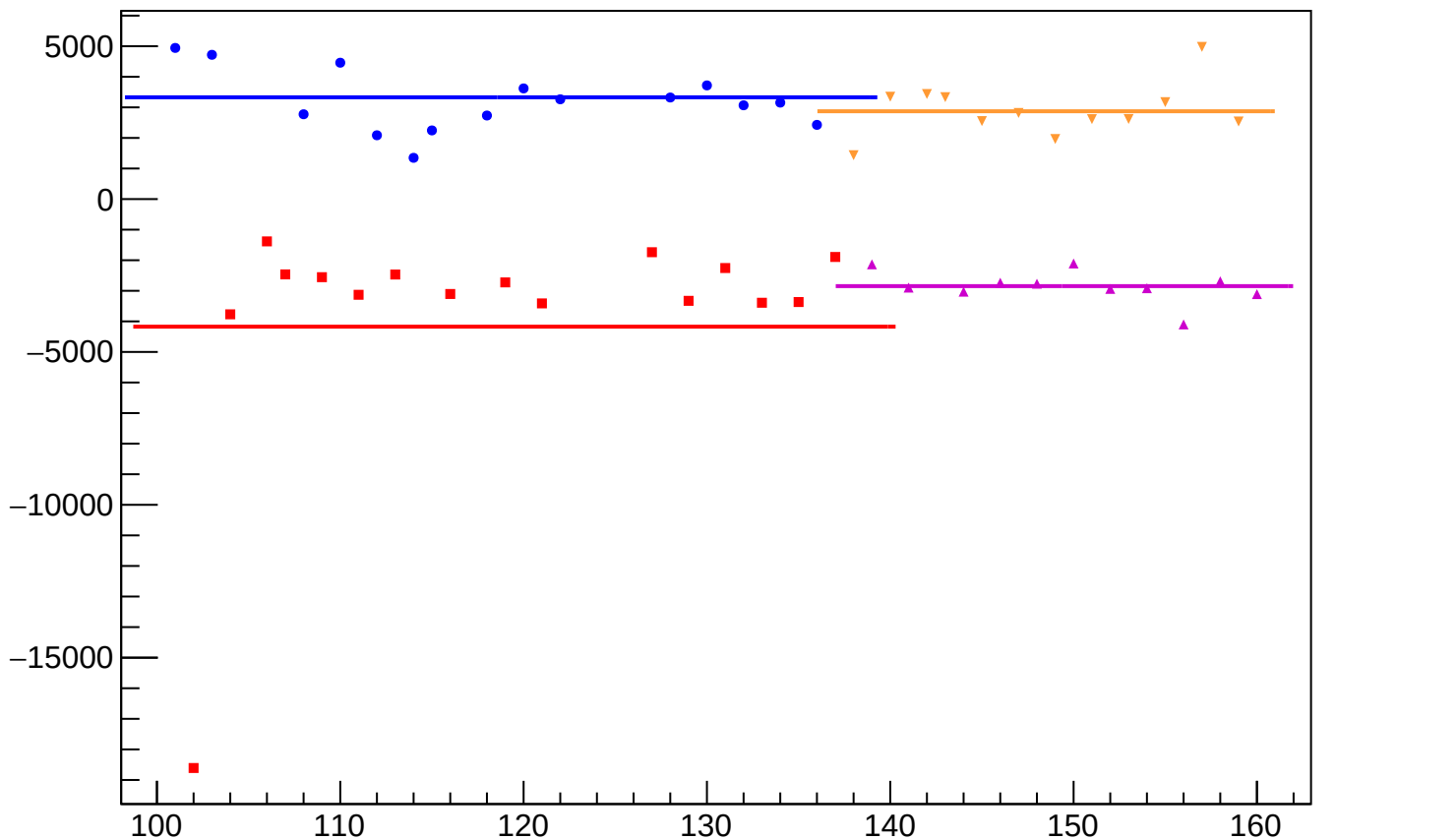
χ^2/NDF : 828419782346707601448620310014135952736256.0/15

Left In: -117237.465 $\pm$ 0.000

χ^2/NDF : 92299527706158063096544434206678792011776.0/10

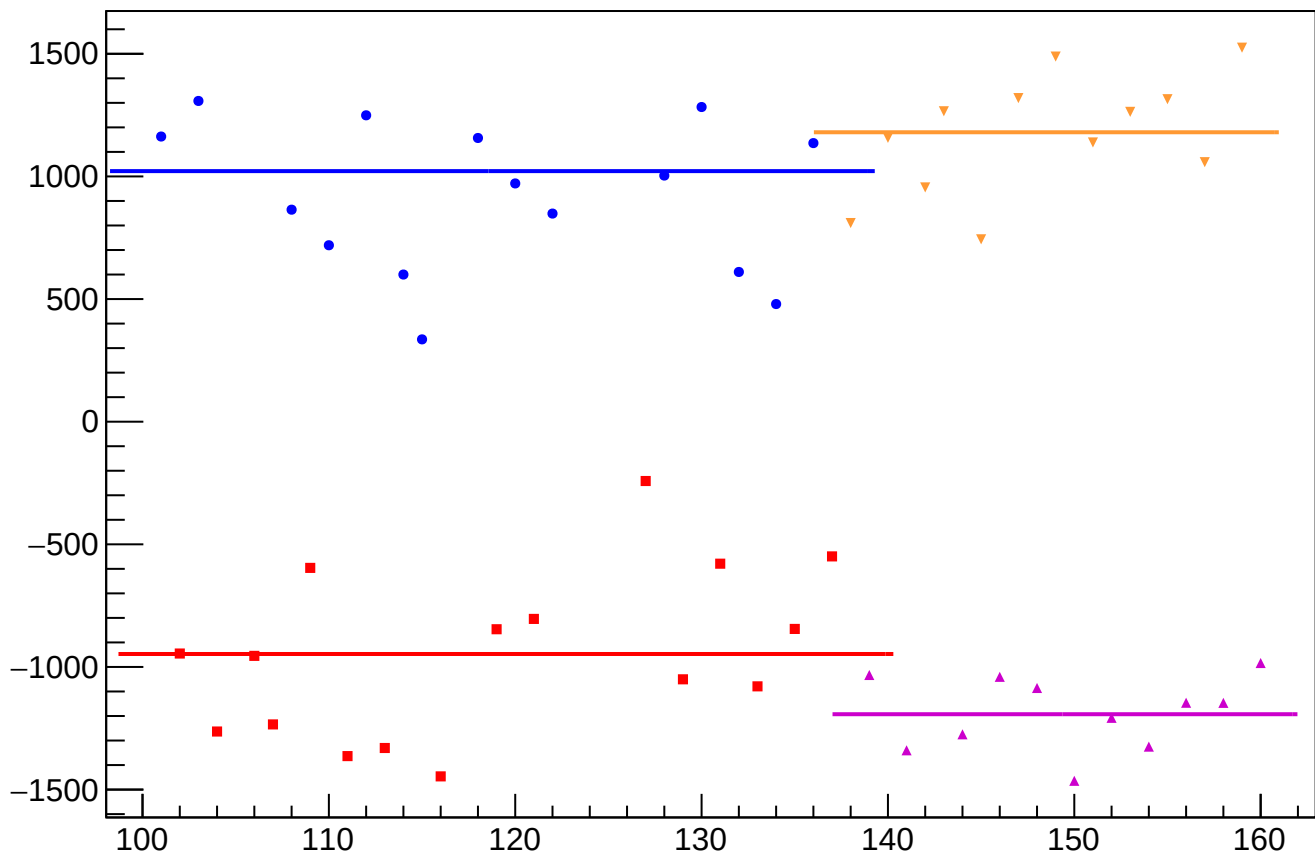
All: -2513.712 $\pm$ 0.000 χ^2/NDF : 4461091057

dit_atr2_coil7_err_mean vs Slug, Sign Corrected



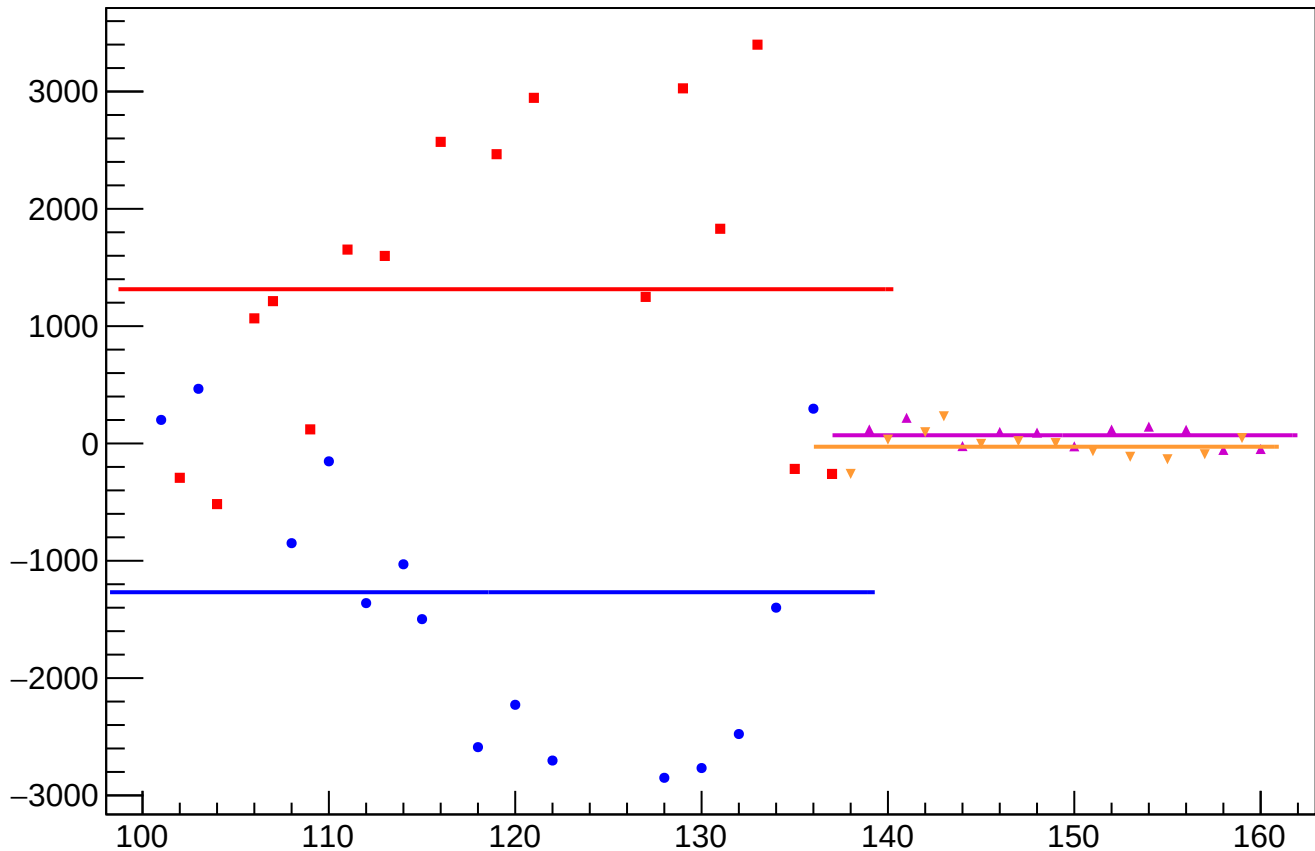
Left: -2.554 ± 0.000 $\chi^2/\text{NDF}: 15921502408931202$
 Right In: 3329.488 ± 0.000 $\chi^2/\text{NDF}: 567034774398456376227526824513721335808.0/14$
 Right: -473.285 ± 0.000 $\chi^2/\text{NDF}: 32582486462967$
 Left Out: 2872.567 ± 0.000 $\chi^2/\text{NDF}: 662883582778902790585902196636778496000.0/11$
 In: 298.400 ± 0.000 $\chi^2/\text{NDF}: 1533808541348253$
 Right Out: -4173.434 ± 0.000 $\chi^2/\text{NDF}: 13498246551537992400095003154682468106240.0/15$
 Out: -100.034 ± 0.000 $\chi^2/\text{NDF}: 333048130531602$
 Left In: -2846.559 ± 0.000 $\chi^2/\text{NDF}: 229557109736682123603885764134616170496.0/10$
 All: -198.965 ± 0.000 $\chi^2/\text{NDF}: 48673924762$

dit_atr2_coil7_Ndata_mean vs Slug, Sign Corrected



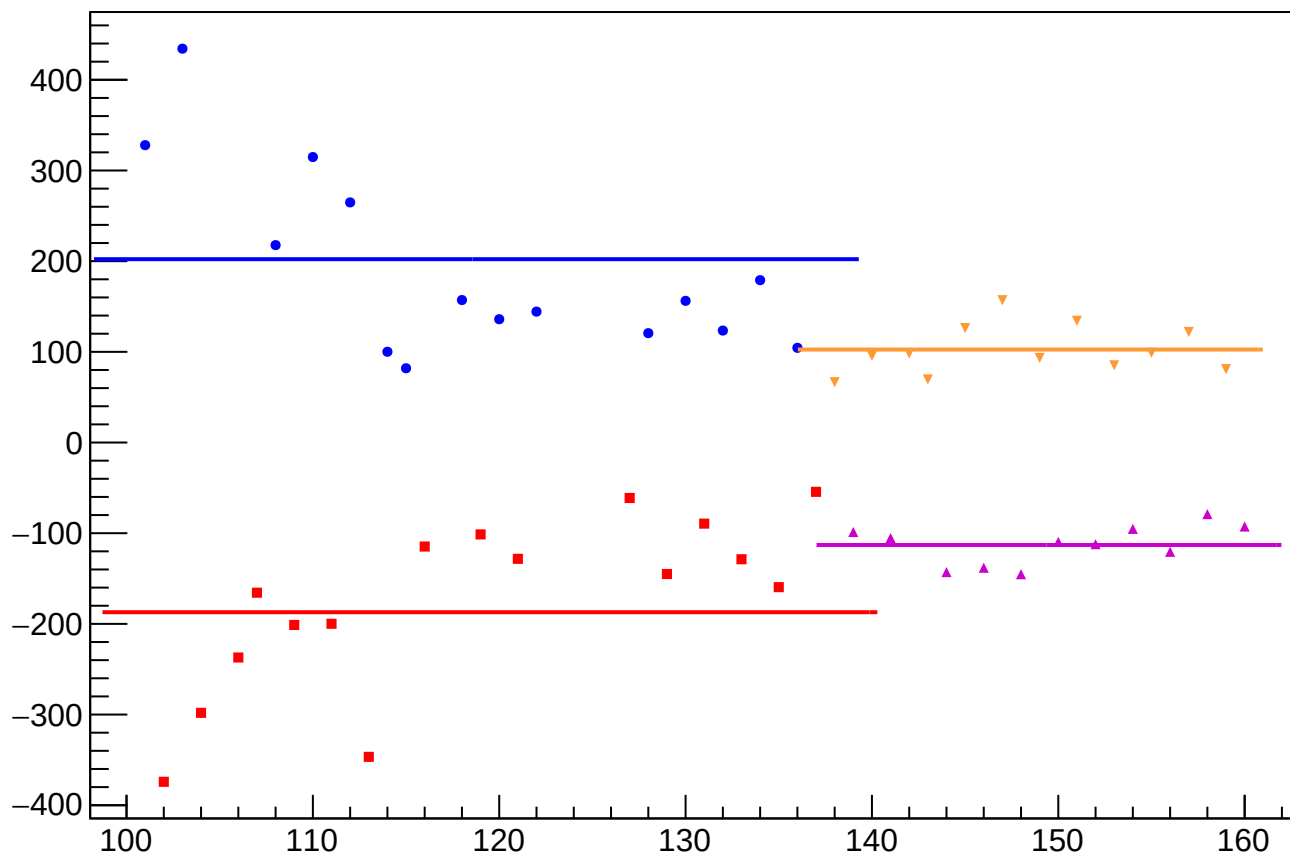
Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103+/-0.000 χ^2/NDF : 50788606804690292724539730503787347968.0/11
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687+/-0.000 χ^2/NDF : 19255287383728205662654022867381911552.0/10
 All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam1_coil7_mean vs Slug, Sign Corrected



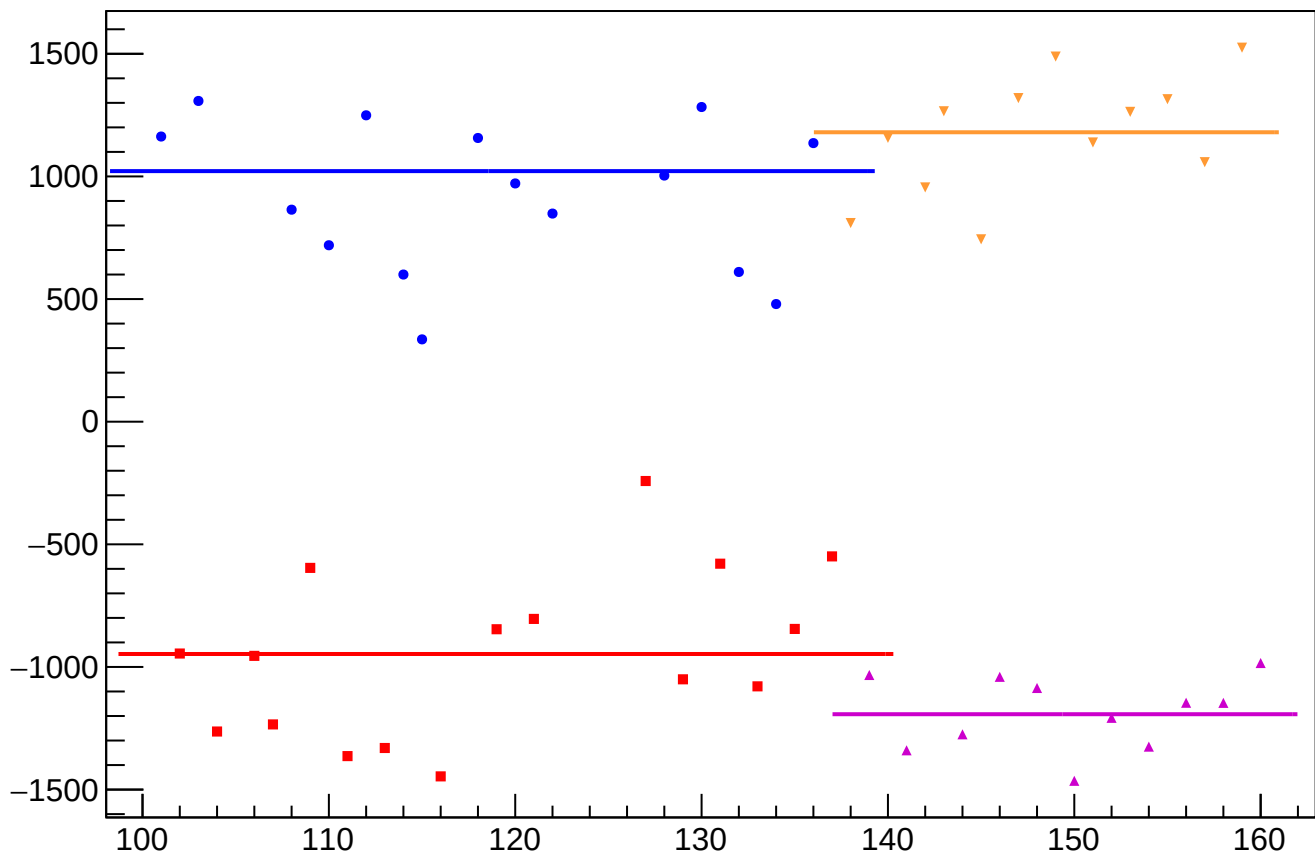
Left: 21.337 ± 0.000 $\chi^2/\text{NDF}: 23678457867018899$
 Right In: -1268.061 ± 0.000 $\chi^2/\text{NDF}: 1092280760288833856070470490800647045120.0/14$
 Right: 41.017 ± 0.000 $\chi^2/\text{NDF}: 4385100658196815$
 Left Out: -27.745 ± 0.000 $\chi^2/\text{NDF}: 12401866293776389782406733193877127168.0/11$
 In: -482.133 ± 0.000 $\chi^2/\text{NDF}: 1781620225198016$
 Right Out: 1314.767 ± 0.000 $\chi^2/\text{NDF}: 1098471313864079013714609379653260935168.0/15$
 Out: 538.641 ± 0.000 $\chi^2/\text{NDF}: 1805860646471756$
 Left In: 69.887 ± 0.000 $\chi^2/\text{NDF}: 6896729055106095492675290775544659968.0/10$
 All: 29.548 ± 0.000 $\chi^2/\text{NDF}: 4409076158029$

dit_sam1_coil7_err_mean vs Slug, Sign Corrected



Right In: 202.191 $\pm$ 0.000 χ^2 /NDF: 7027941052752849066369040650615128064.0/14
 Left Out: 102.547 $\pm$ 0.000 χ^2 /NDF: 631914374783938330949359707000668160.0/11
 Right Out: -187.126 $\pm$ 0.000 χ^2 /NDF: 6230029491605524746936515809941389312.0/15
 Left In: -112.981 $\pm$ 0.000 χ^2 /NDF: 399082569166702797505998561799569408.0/10
 All: -1.350 $\pm$ 0.000 χ^2 /NDF: 8557691672482

dit_sam1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1180.103 +/- 0.000

χ^2/NDF : 50788606804690292724539730503787347968.0/11

Right Out: -947.145 +/- 0.000

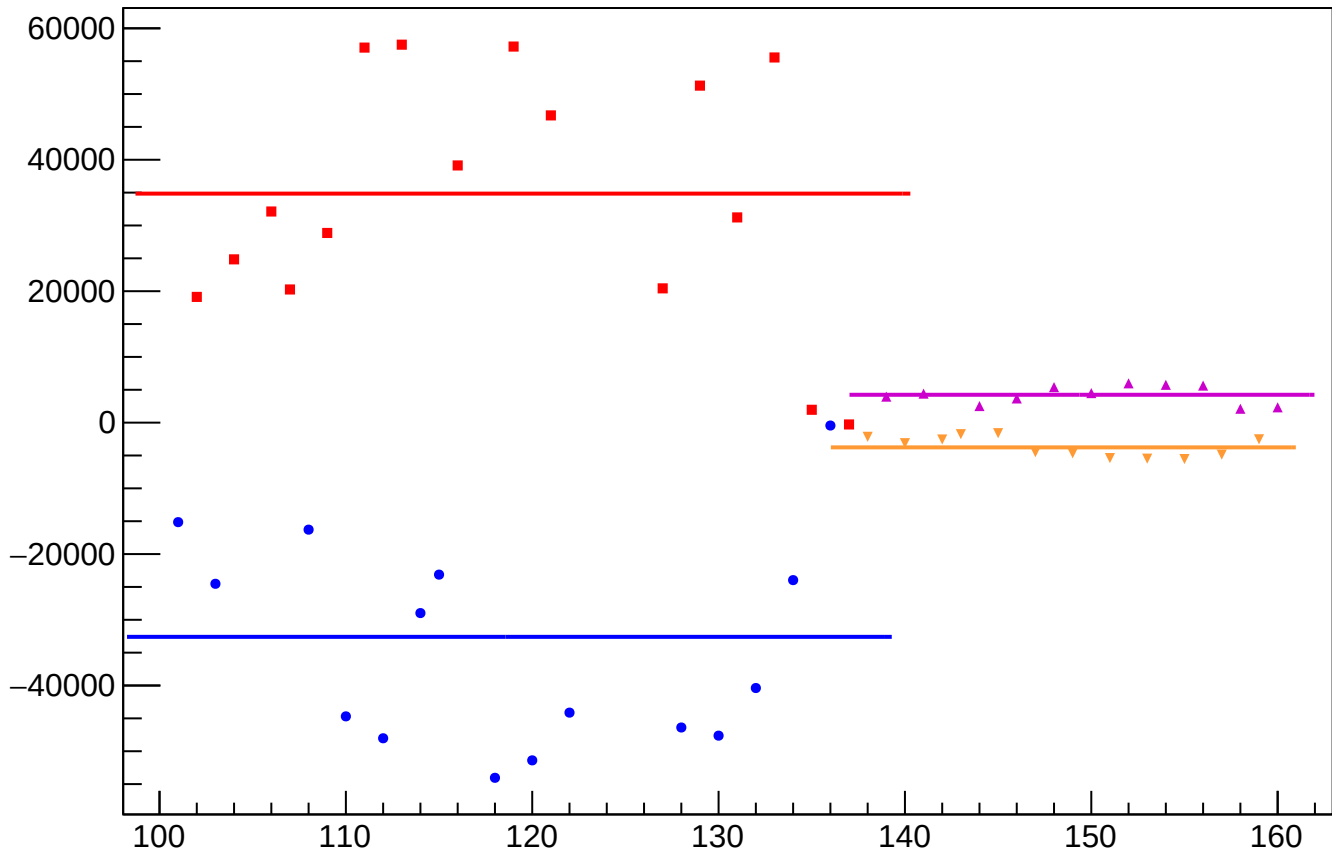
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

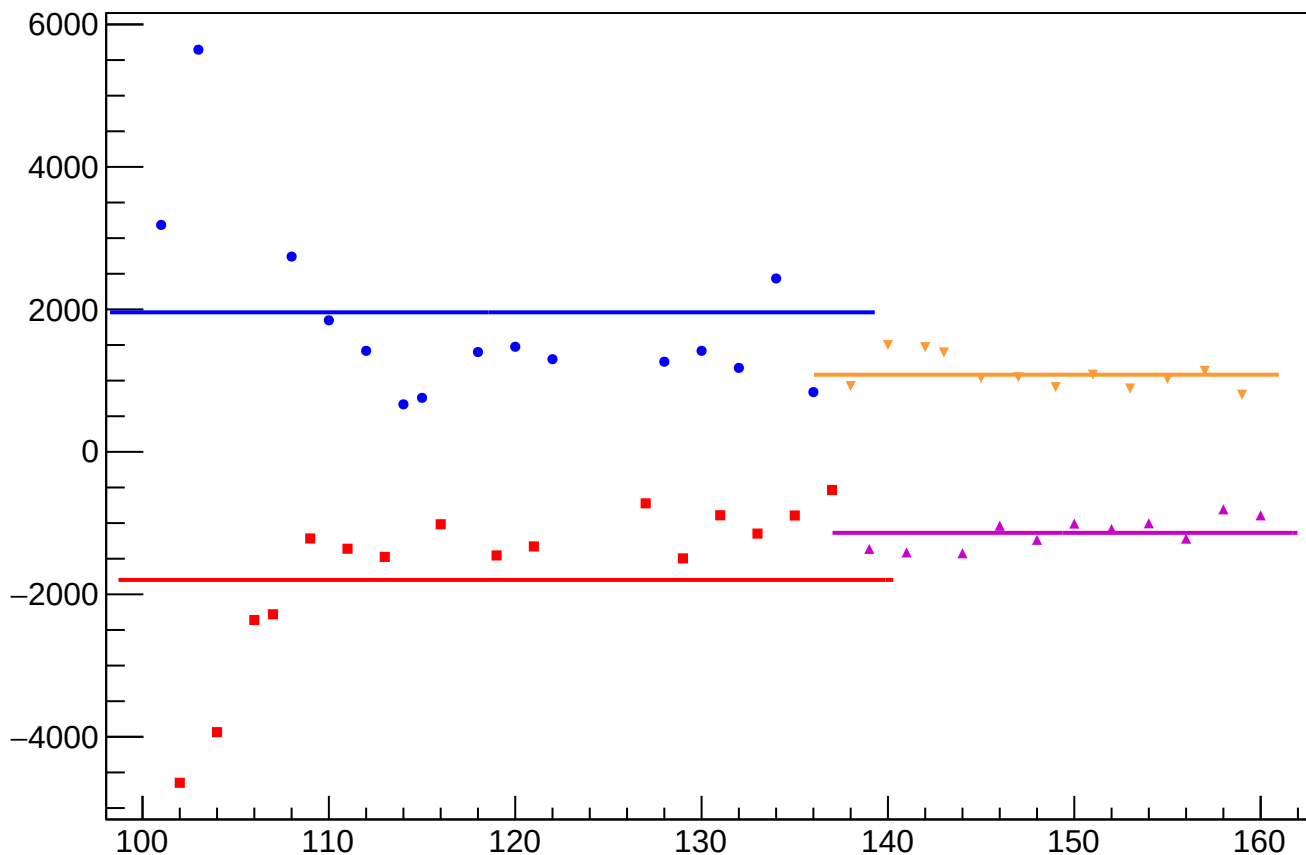
All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam2_coil7_mean vs Slug, Sign Corrected



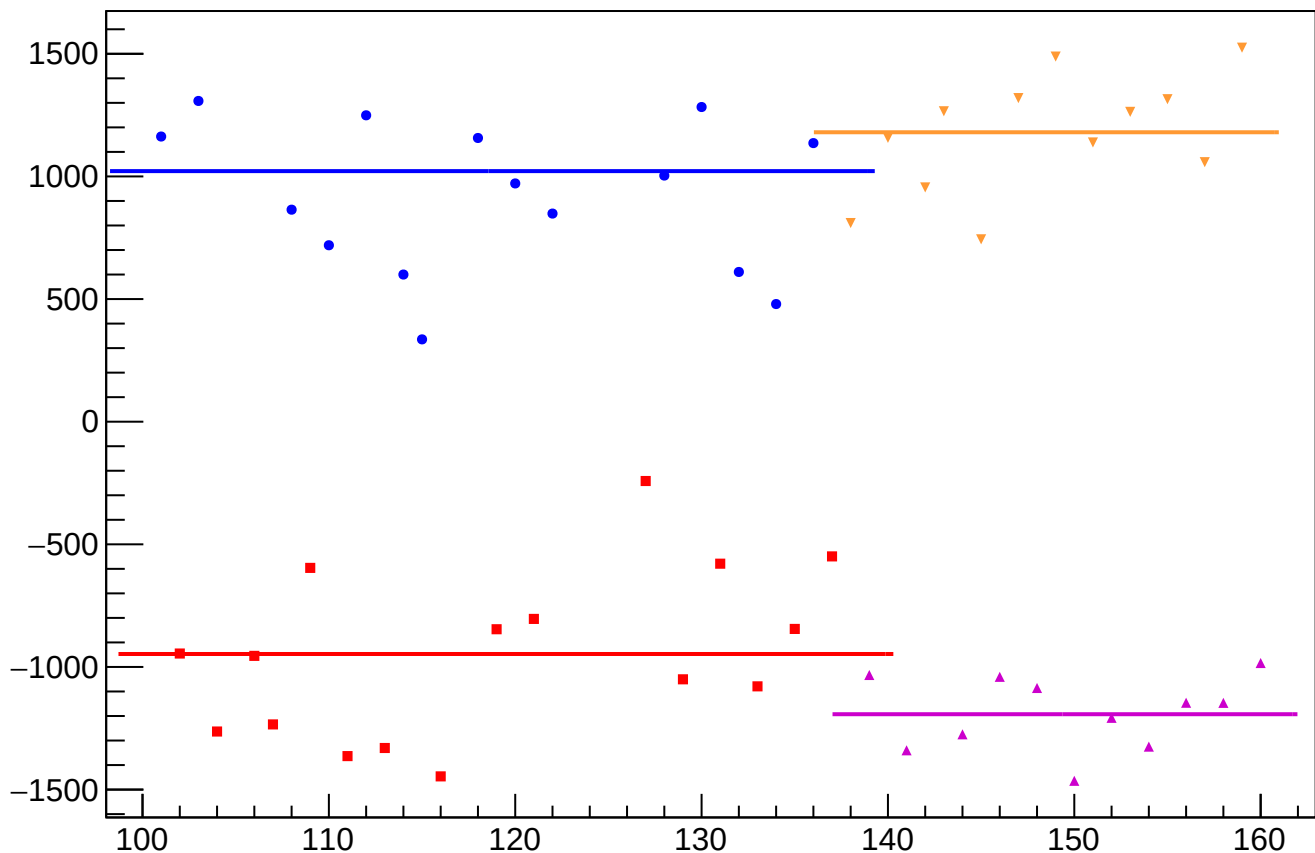
Left: 258.769 +/- 0.000 χ^2/NDF : 3307838906782510
 Right: 1587.778 +/- 0.000 χ^2/NDF : 19264741132603
 In: -10958.371 +/- 0.000 χ^2/NDF : 72805115559087
 Out: 12525.397 +/- 0.000 χ^2/NDF : 79801092816696
 All: 813.296 +/- 0.000 χ^2/NDF : 196090705413

dit_sam2_coil7_err_mean vs Slug, Sign Corrected



Right In: 1958.835 $\pm$ 0.000 χ^2 /NDF: 1189322999631358431600643692981190131712.0/14
 Left Out: 1082.769 $\pm$ 0.000 χ^2 /NDF: 42435467592938018504955570075058831360.0/11
 Right Out: -1797.392 $\pm$ 0.000 χ^2 /NDF: 955096623879958195657195074614240215040.0/15
 Left In: -1136.738 $\pm$ 0.000 χ^2 /NDF: 36660640388160233770492299797174681600.0/10
 All: 3.718 $\pm$ 0.000 χ^2 /NDF: 91340604590309

dit_sam2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

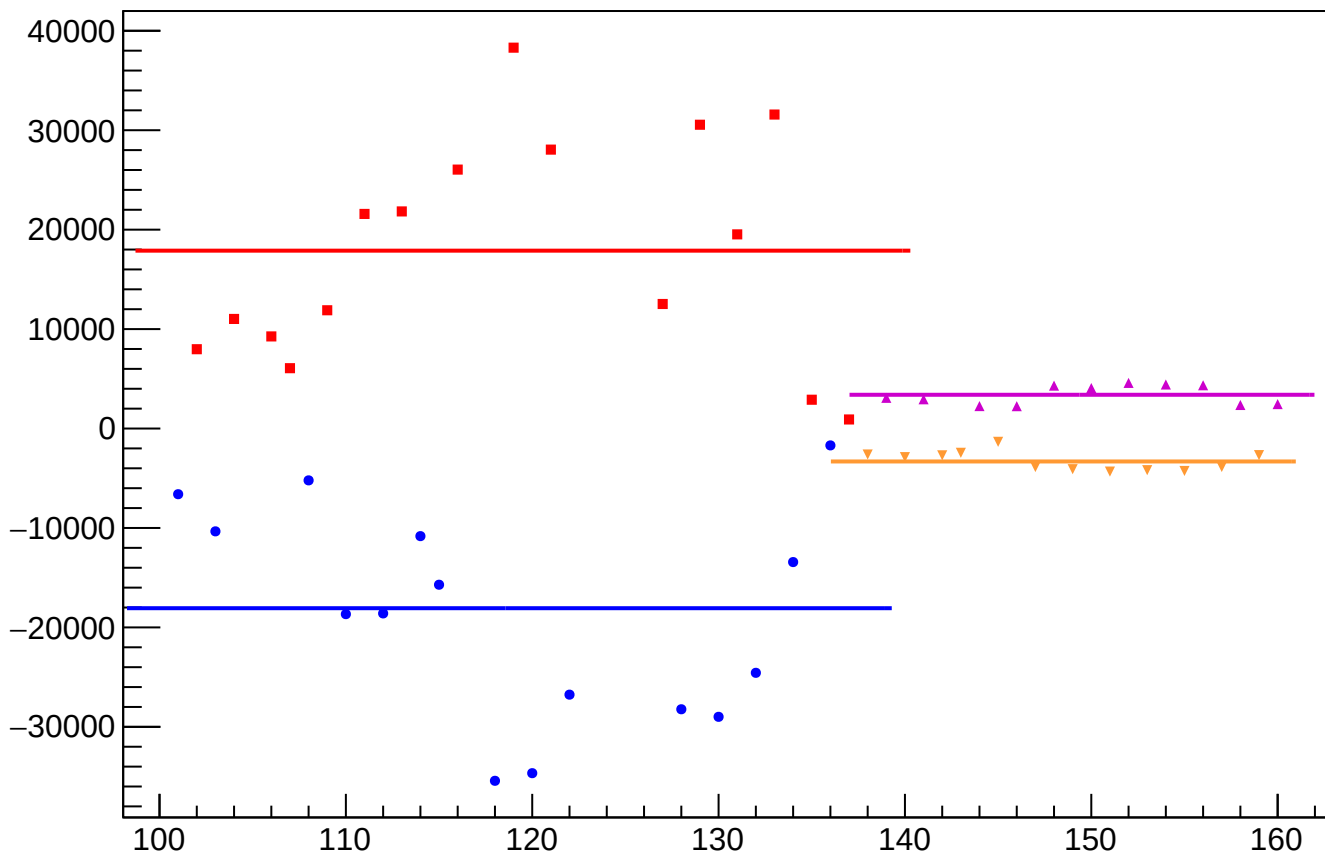
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

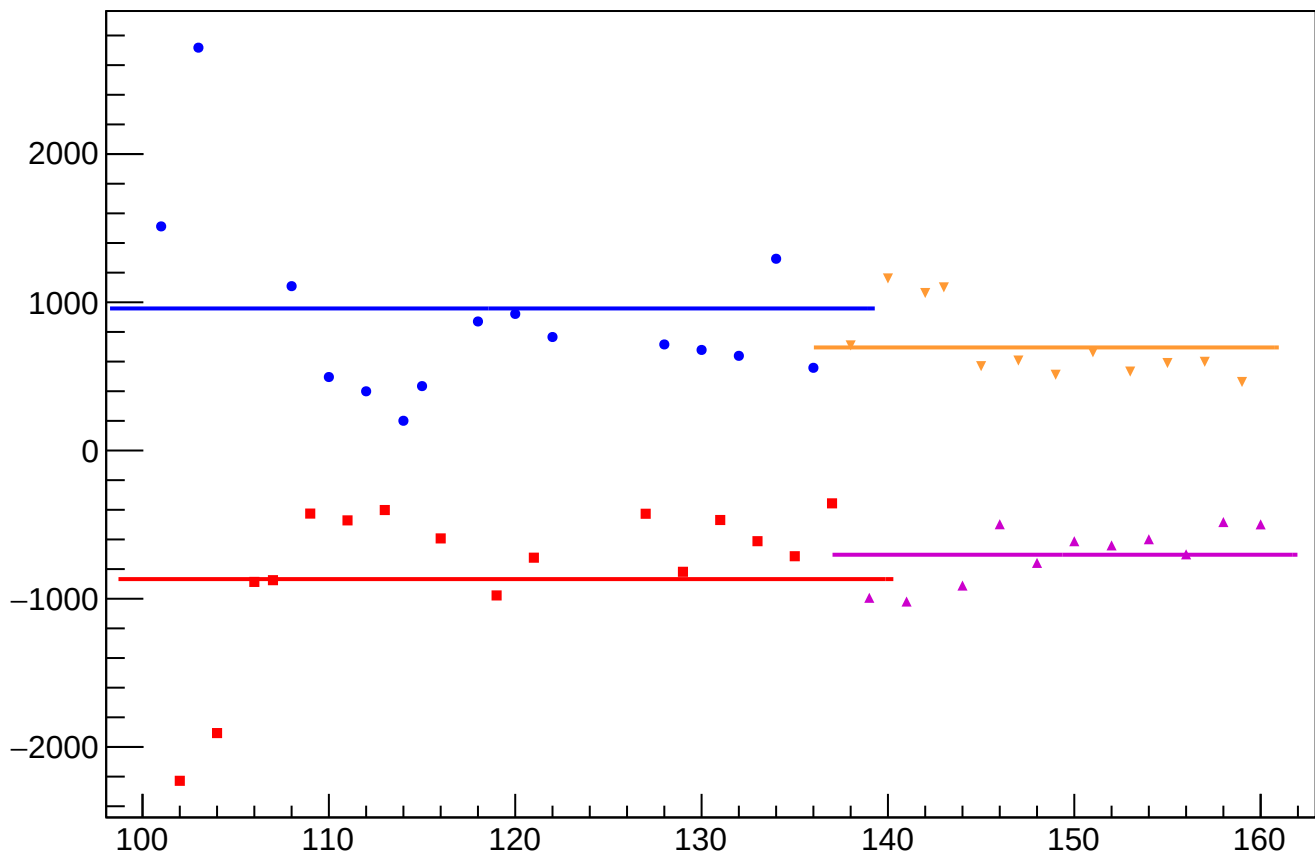
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam3_coil7_mean vs Slug, Sign Corrected



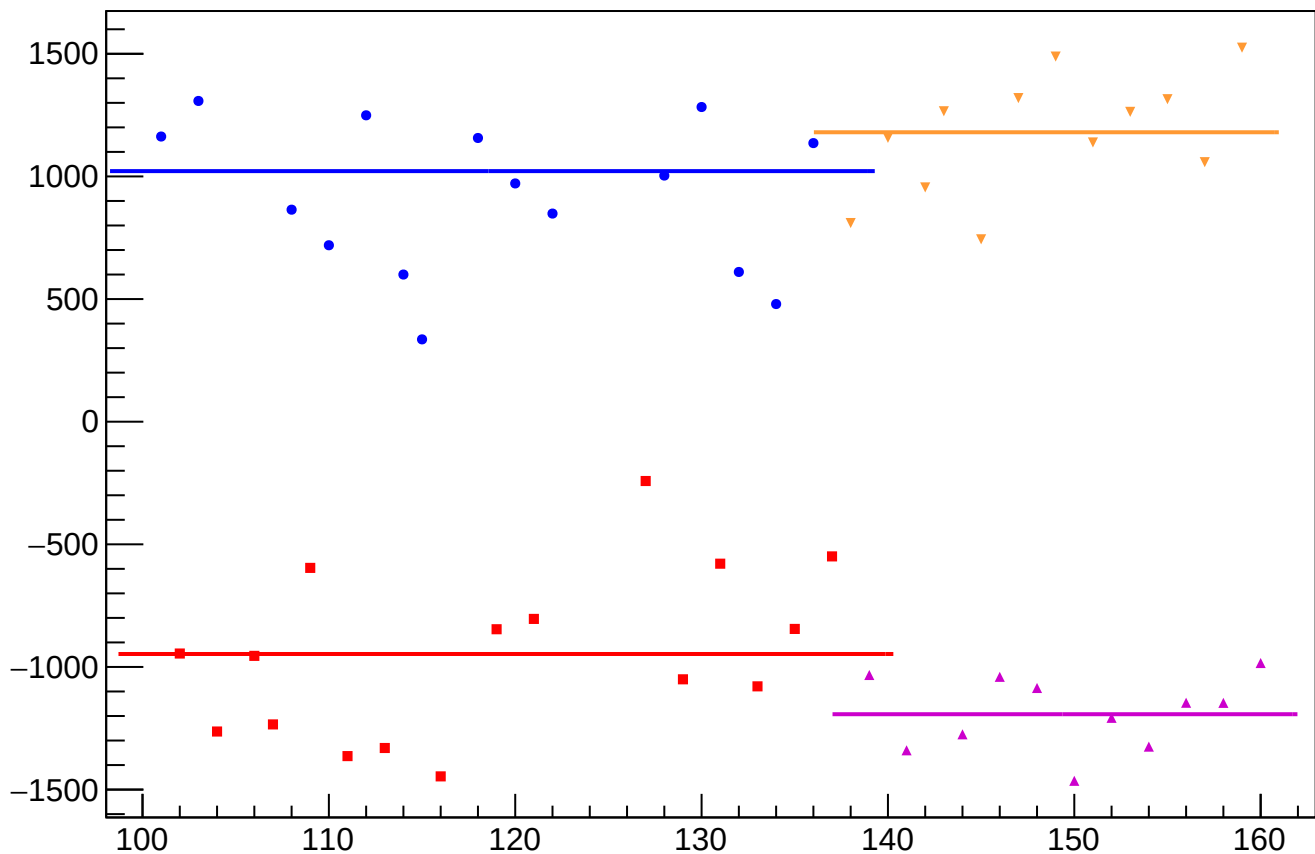
Left: 59.413+/-0.000 χ^2/NDF : 2224729910575058
 Right In: -18068.550+/-0.000 χ^2/NDF : 84312156443533553417760933497753760169984.0/14
 Right: 155.704+/-0.000 χ^2/NDF : 587997392225656
 Left Out: -3312.000+/-0.000 χ^2/NDF : 776933675153970093414497932746986356736.0/11
 In: -5460.979+/-0.000 χ^2/NDF : 260733217471185
 Right Out: 17888.149+/-0.000 χ^2/NDF : 78405915612914252869875231068795393015808.0/15
 Out: 5632.022+/-0.000 χ^2/NDF : 252490604130367
 Left In: 3394.339+/-0.000 χ^2/NDF : 804969095824057391704293669390893711360.0/10
 All: 99.590+/-0.000 χ^2/NDF : 6102518020061

dit_sam3_coil7_err_mean vs Slug, Sign Corrected



Right In: 958.411+/-0.000 χ^2/NDF : 264733105058522822278137197070739570688.0/14
 Left Out: 695.356+/-0.000 χ^2/NDF : 48004139750379541003610269806183317504.0/11
 Right Out: -867.538+/-0.000 χ^2/NDF : 216129851545166714122252317604488151040.0/15
 Left In: -703.169+/-0.000 χ^2/NDF : 32040531861451426969939944767733366784.0/10
 All: 9.254+/-0.000 χ^2/NDF : 25575818346098

dit_sam3_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

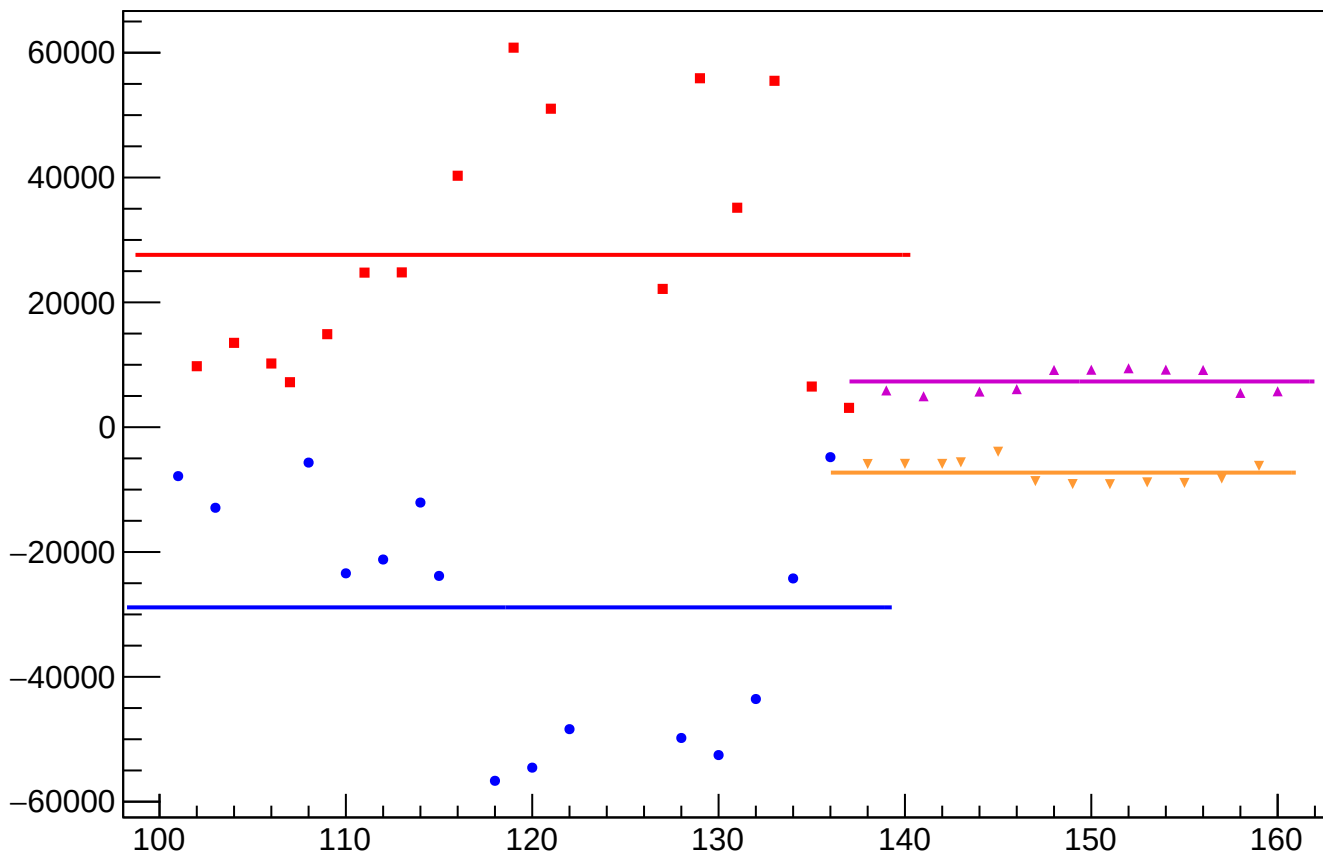
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

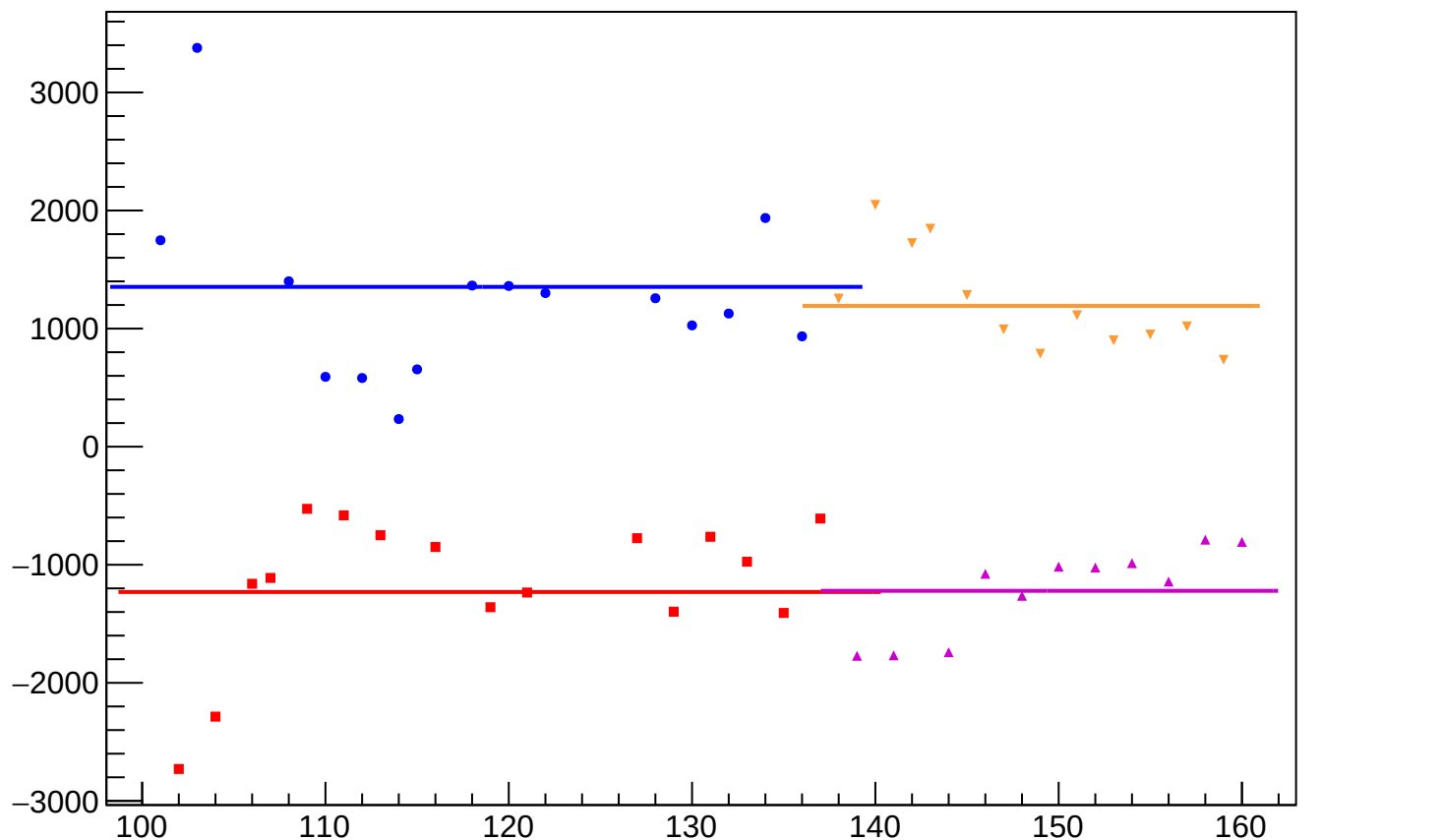
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam4_coil7_mean vs Slug, Sign Corrected



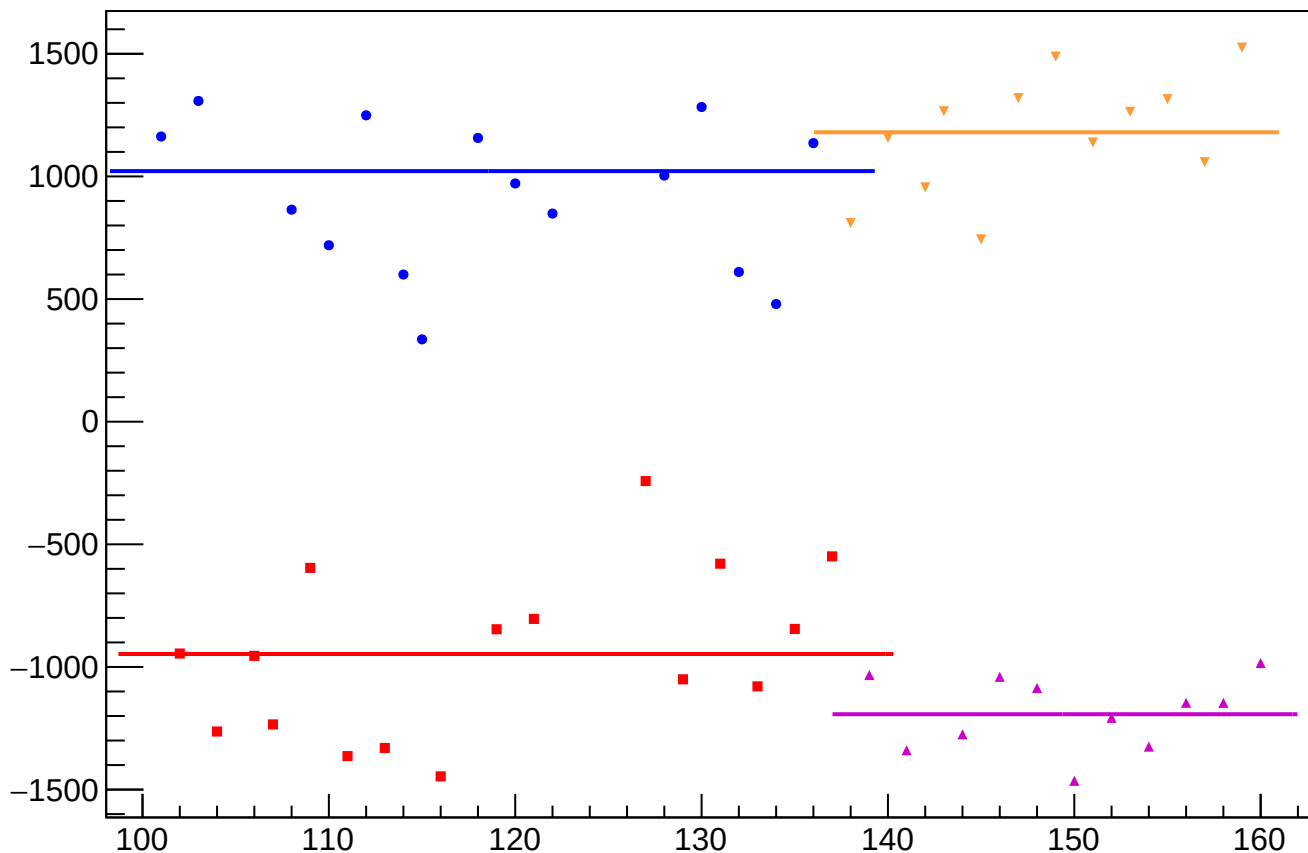
Right In: -28868.624+/-0.000 χ^2/NDF : 261450701095727362961367657926584124309504.0/14
 Left Out: -7277.886+/-0.000 χ^2/NDF : 2738867305918098068317388239234104557568.0/11
 Right Out: 27610.848+/-0.000 χ^2/NDF : 248097983477523504935751571384400118546432.0/15
 Left In: 7325.095+/-0.000 χ^2/NDF : 3045991167952377112422516937599716687872.0/10
 All: -64.332+/-0.000 χ^2/NDF : 166268033579

dit_sam4_coil7_err_mean vs Slug, Sign Corrected



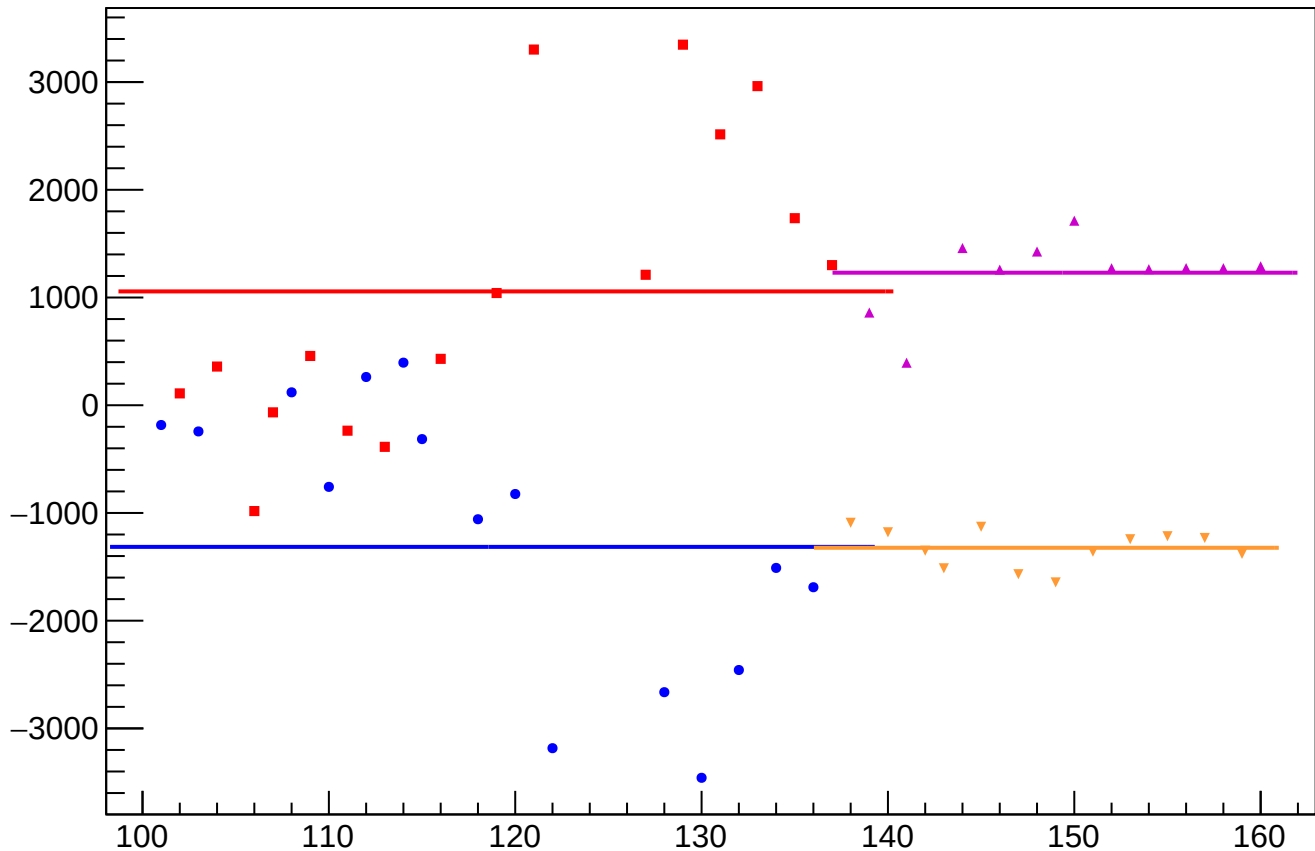
Right In: 1353.413 $\pm$ 0.000 χ^2 /NDF: 352887966702770713373861839880553758720.0/14
 Left Out: 1192.275 $\pm$ 0.000 χ^2 /NDF: 150893742871936420702627399426239365120.0/11
 Right Out: -1230.633 $\pm$ 0.000 χ^2 /NDF: 276989454129150005656872744539903754240.0/15
 Left In: -1220.761 $\pm$ 0.000 χ^2 /NDF: 116296897250486719965341990830940880896.0/10
 All: 6.116 $\pm$ 0.000 χ^2 /NDF: 57721489770329

dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected



Left: -12.747 +/- 0.000 χ^2/NDF : 2657013306605046
 Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Right: 23.805 +/- 0.000 χ^2/NDF : 1383338523153511
 Left Out: 1180.103 +/- 0.000 χ^2/NDF : 50788606804690292724539730503787347968.0/11
 In: -279.065 +/- 0.000 χ^2/NDF : 1929090788254319
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Out: 282.649 +/- 0.000 χ^2/NDF : 1863497273761245
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 19255287383728205662654022867381911552.0/10
 All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam5_coil7_mean vs Slug, Sign Corrected



Right In: -1314.782+/-0.000

Left Out: -1323.142+/-0.000

Right Out: 1056.765+/-0.000

Left In: 1230.430+/-0.000

χ^2/NDF : 966082368518203481544021644405645508608.0/14

χ^2/NDF : 27180584789293911694803613303409999872.0/11

χ^2/NDF : 1127141594187417021949832477353286041600.0/15

χ^2/NDF : 100431691068850056086409132460520505344.0/10

Left: -39.410+/-0.000 χ^2/NDF : 3123799611158754

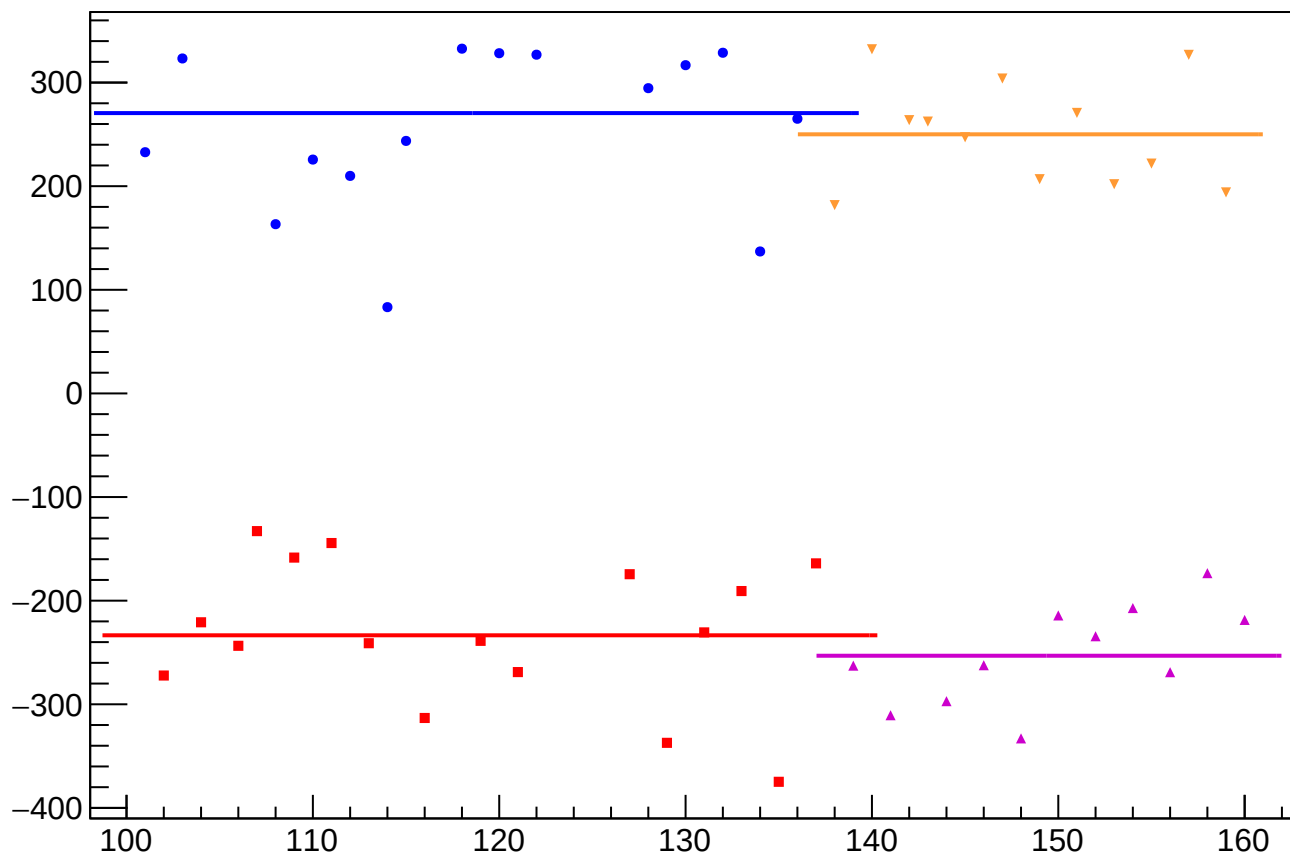
Right: -112.789+/-0.000 χ^2/NDF : 39432514405702

In: 180.308+/-0.000 χ^2/NDF : 35361660763294785

Out: -319.095+/-0.000 χ^2/NDF : 333836126374439

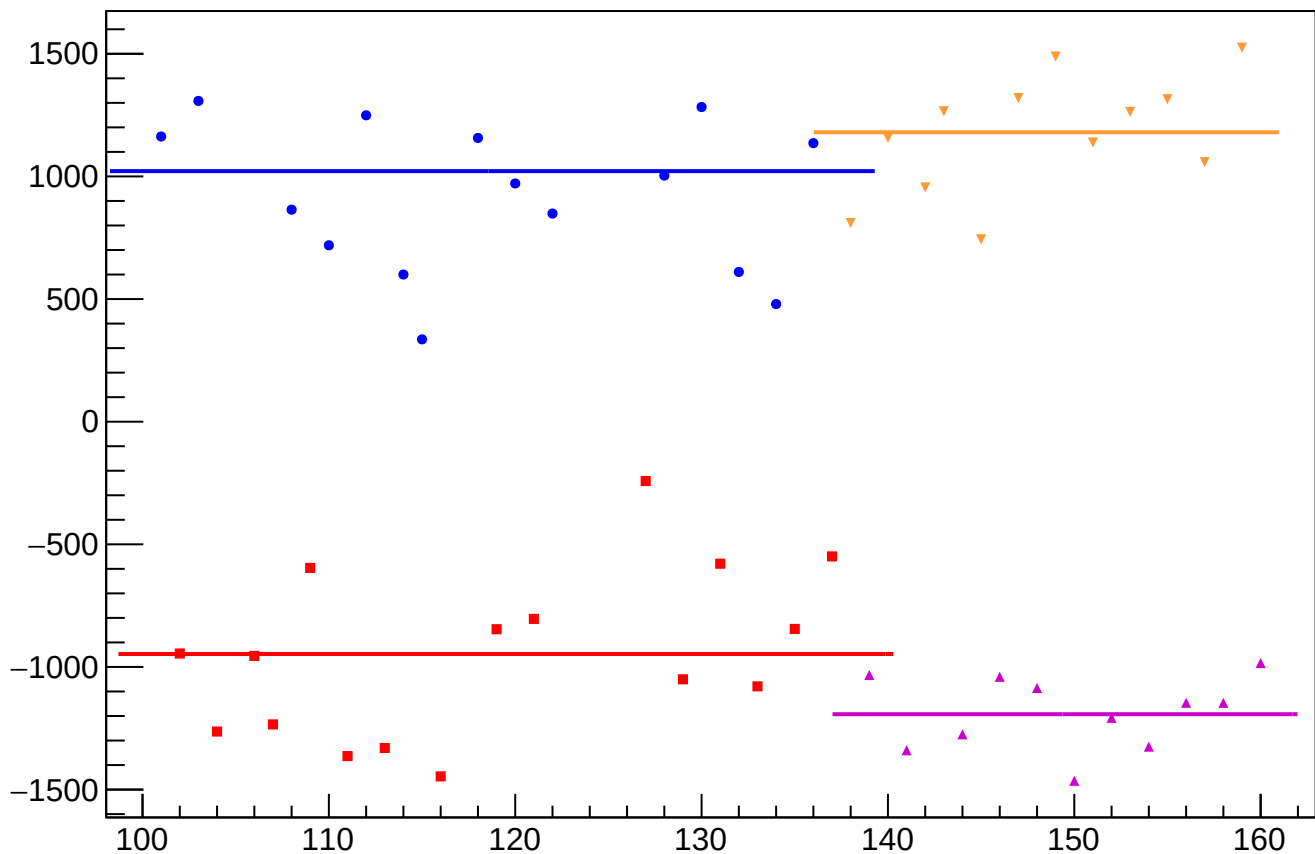
All: -70.027+/-0.000 χ^2/NDF : 707118050555

dit_sam5_coil7_err_mean vs Slug, Sign Corrected



Right In: 270.538 $\pm$ 0.000 χ^2 /NDF: 2473839905347950323907848405170257920.0/14
 Left Out: 250.055 $\pm$ 0.000 χ^2 /NDF: 2329396041694824766683600755668025344.0/11
 Right Out: -233.421 $\pm$ 0.000 χ^2 /NDF: 3048529087317888615064010247743995904.0/15
 Left In: -253.145 $\pm$ 0.000 χ^2 /NDF: 1980196841930298045035907903943344128.0/10
 All: 4.607 $\pm$ 0.000 χ^2 /NDF: 20997016075743

dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

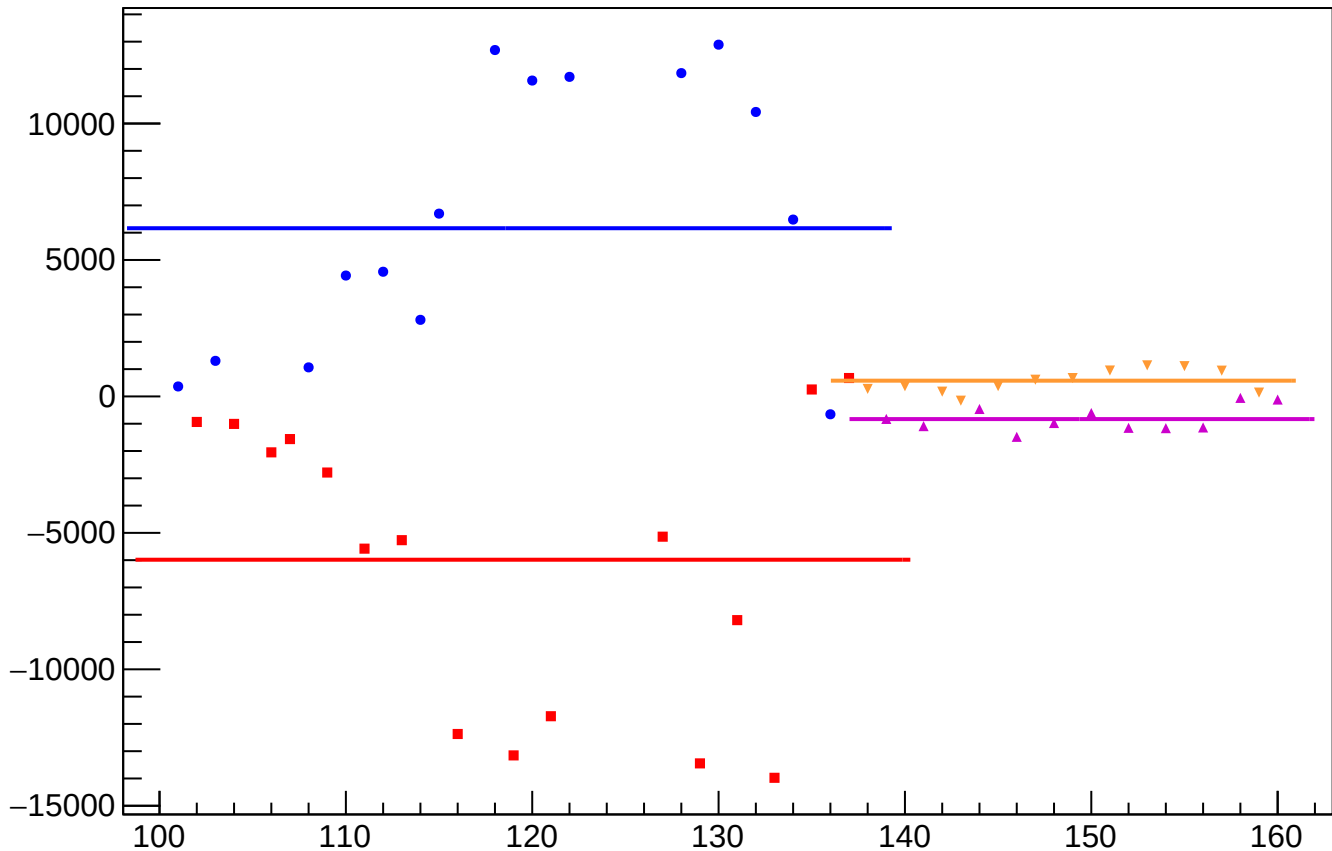
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

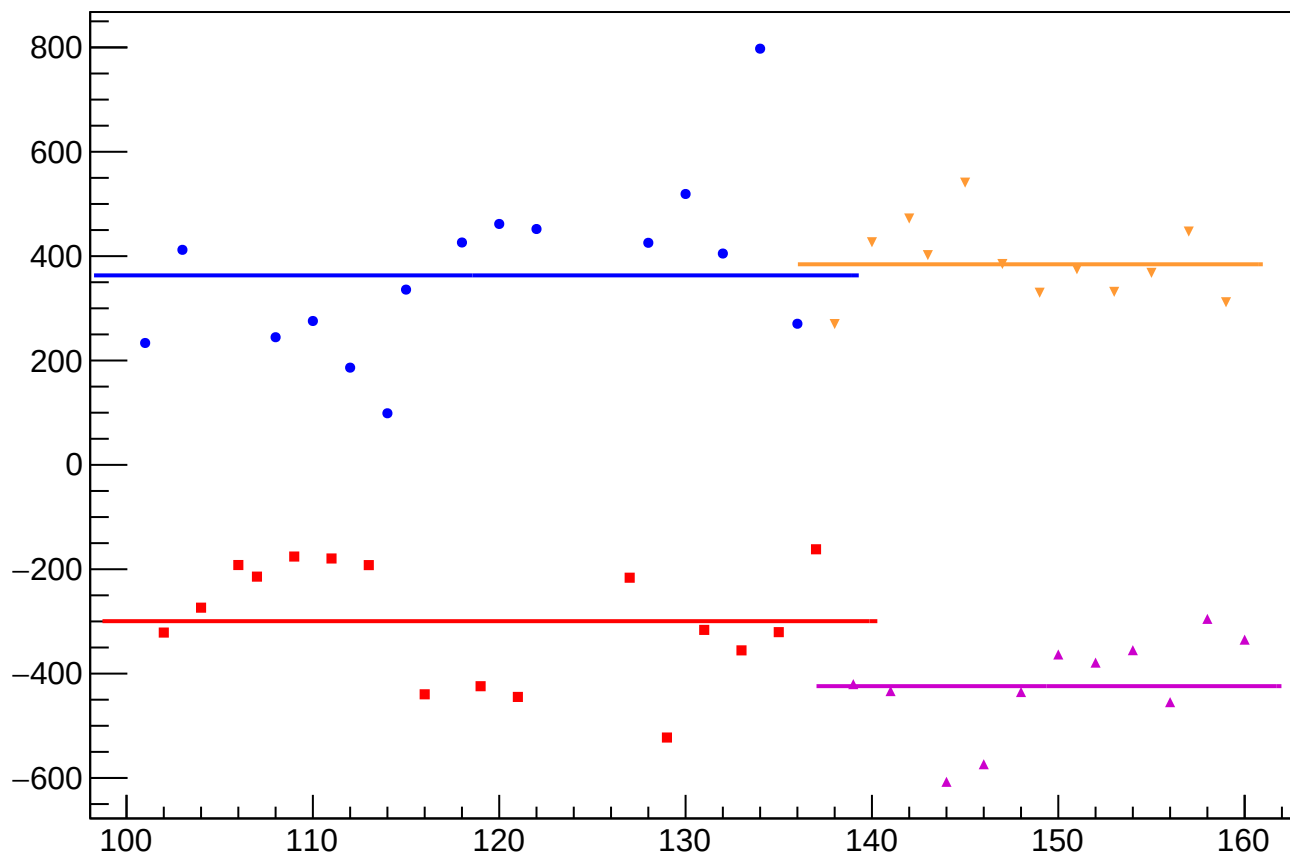
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam6_coil7_mean vs Slug, Sign Corrected



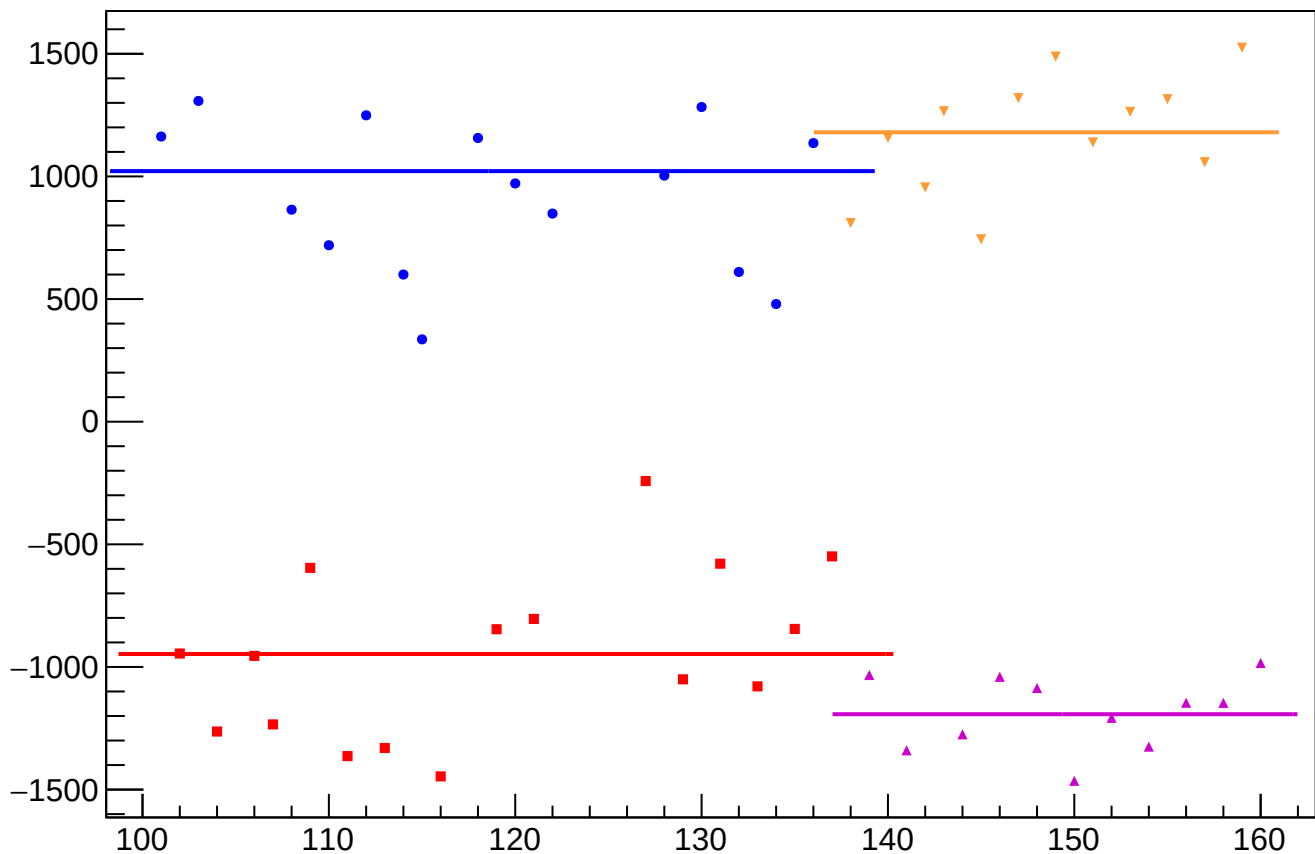
Right In: 6163.445+/-0.000 χ^2/NDF : 18200622549026770504746300139009854144512.0/14
 Left Out: 577.285+/-0.000 χ^2/NDF : 143964932817712353720884813497116917760.0/11
 Right Out: -5983.876+/-0.000 χ^2/NDF : 17505201913276273559161088764155841740800.0/15
 Left In: -830.587+/-0.000 χ^2/NDF : 172337092403726273197356020615128023040.0/10
 All: -73.239+/-0.000 χ^2/NDF : 854846167938

dit_sam6_coil7_err_mean vs Slug, Sign Corrected



Left: -22.018 ± 0.000 χ^2/NDF : 3128182165483401
 Right In: 363.133 ± 0.000 χ^2/NDF : 11502791697076456426435998277995331584.0/14
 Right: 27.278 ± 0.000 χ^2/NDF : 1636258096450768
 Left Out: 384.397 ± 0.000 χ^2/NDF : 4703352228141784942428920611126378496.0/11
 In: -99.259 ± 0.000 χ^2/NDF : 25553843980228518
 Right Out: -299.514 ± 0.000 χ^2/NDF : 7685497318744225218354652828984672256.0/15
 Out: 95.865 ± 0.000 χ^2/NDF : 19274864098076935
 Left In: -424.034 ± 0.000 χ^2/NDF : 7812894231718086106241094868881375232.0/10
 All: -1.449 ± 0.000 χ^2/NDF : 4783076167376

dit_sam6_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

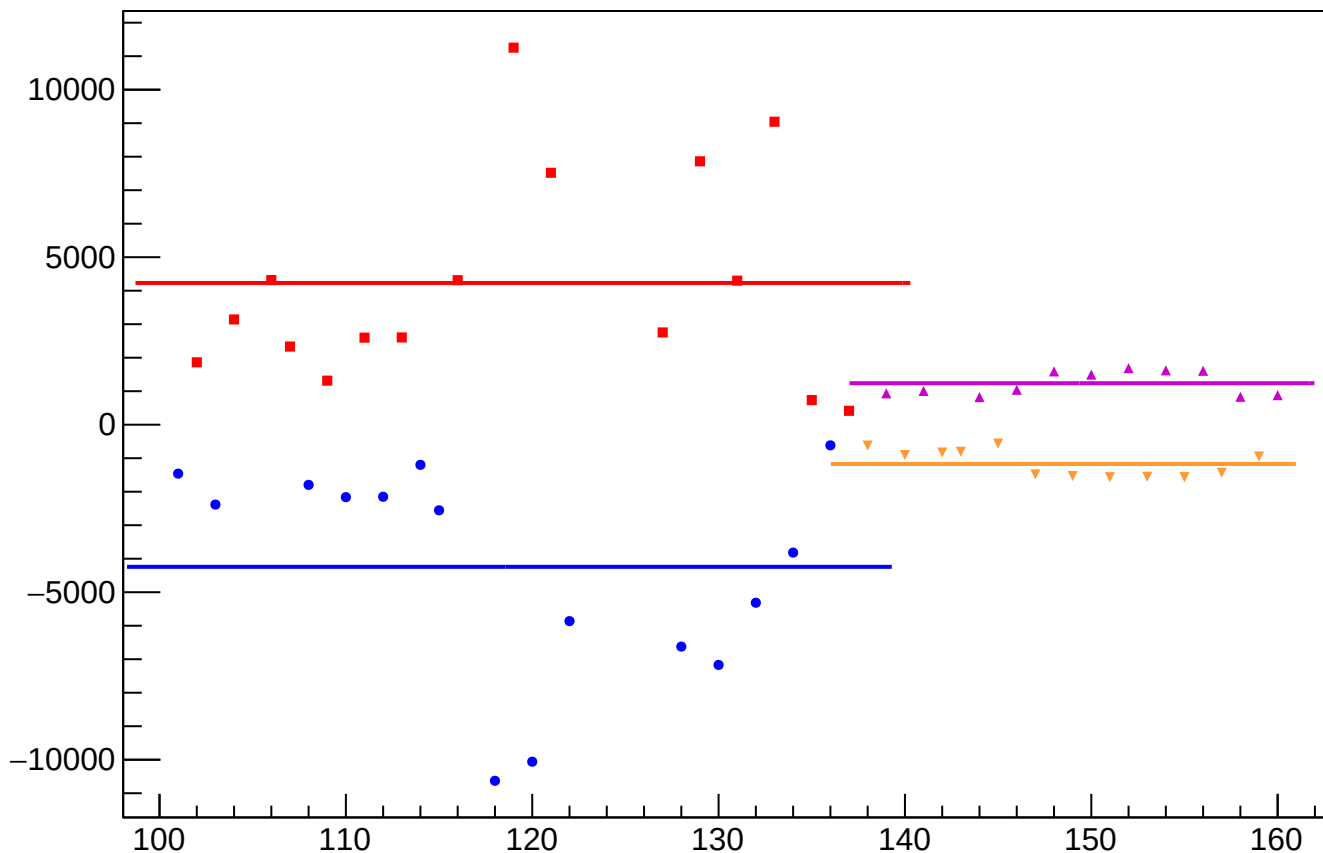
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam7_coil7_mean vs Slug, Sign Corrected



Right In: -4242.174+/-0.000

Left Out: -1171.784+/-0.000

Right Out: 4230.978+/-0.000

Left In: 1238.776+/-0.000

Left: 40.054+/-0.000 χ^2/NDF : 29187236314249197

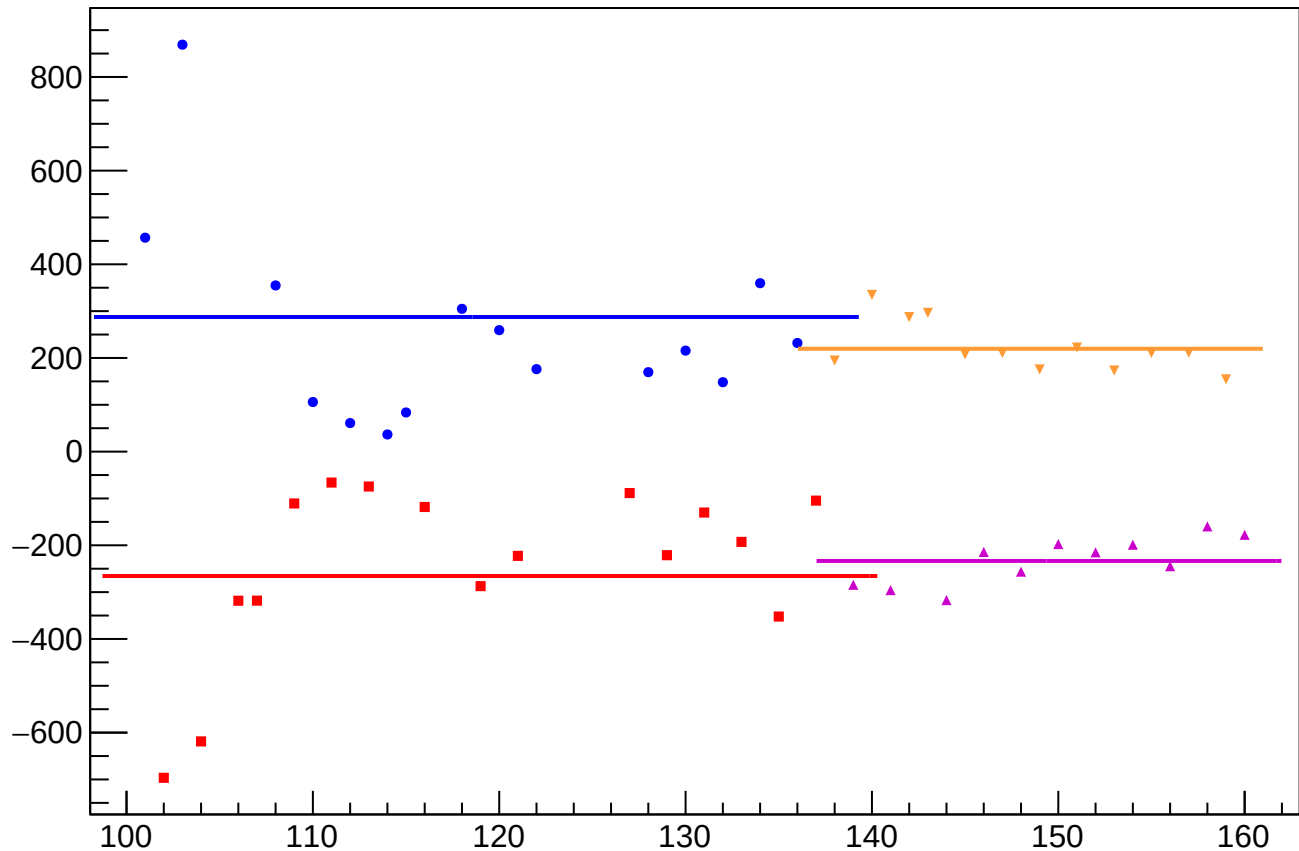
Right: 52.349+/-0.000 χ^2/NDF : 3708179263230228

In: -1022.595+/-0.000 χ^2/NDF : 183472960455815

Out: 1107.560+/-0.000 χ^2/NDF : 180754931945864

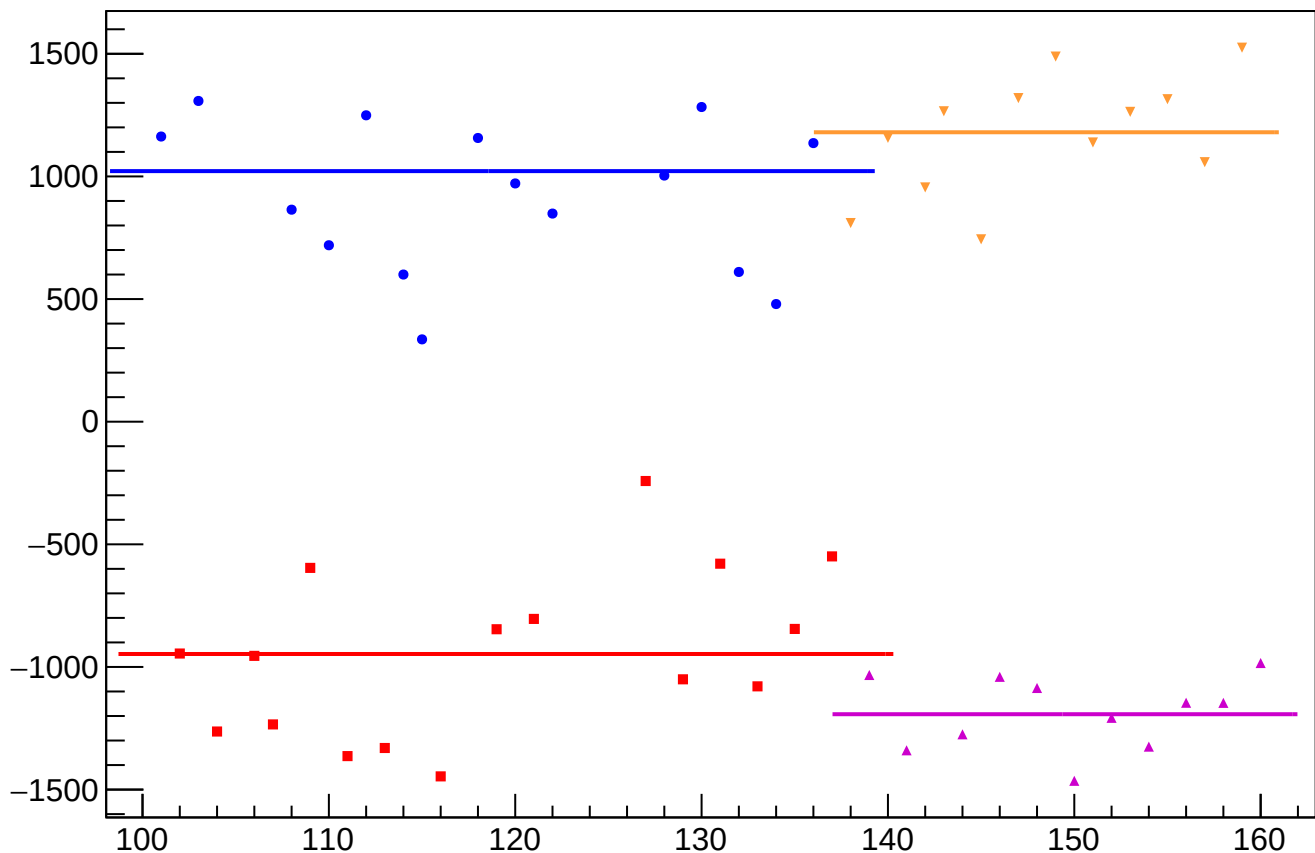
All: 45.184+/-0.000 χ^2/NDF : 4000063219777

dit_sam7_coil7_err_mean vs Slug, Sign Corrected



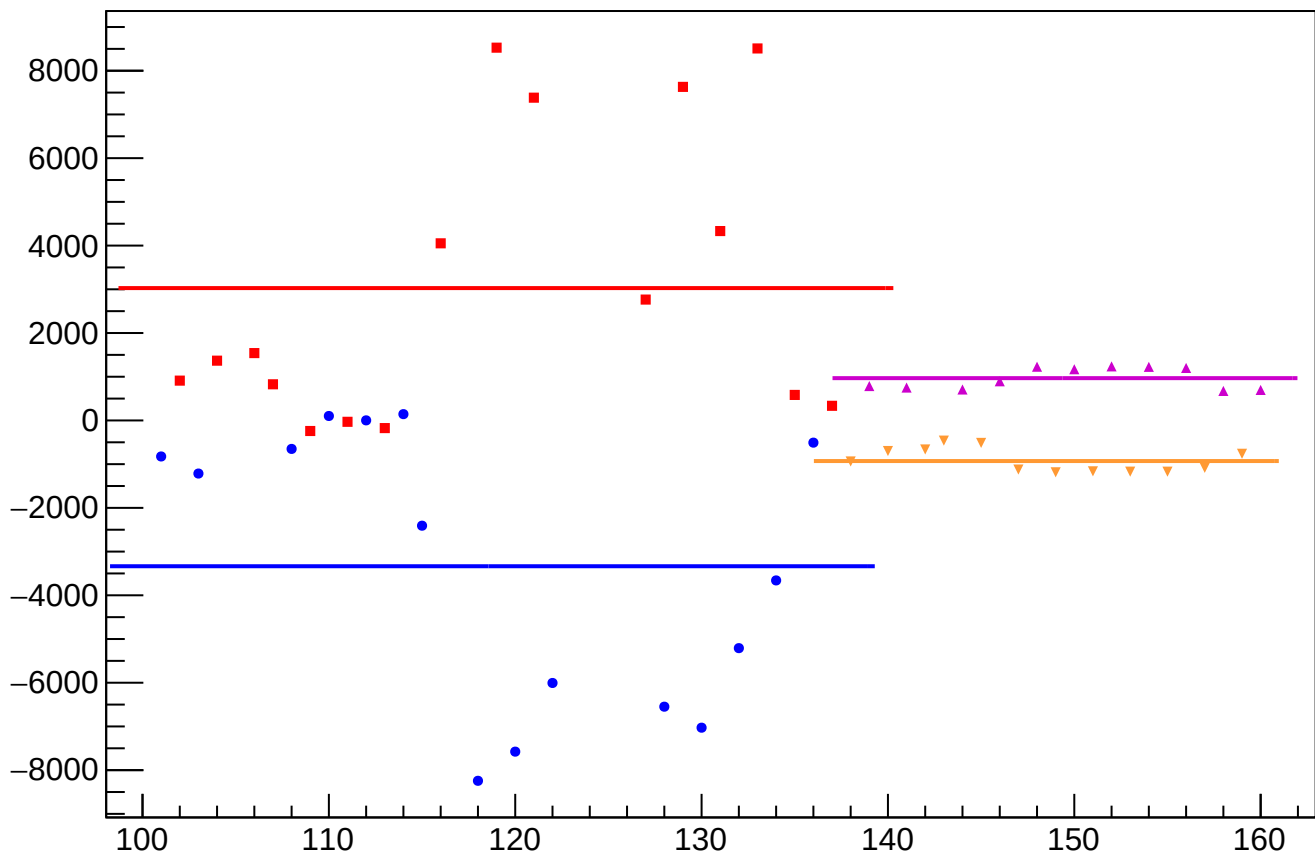
Right In: 287.460 $\pm$ 0.000 χ^2 /NDF: 29517044144826155936619151581366976512.0/14
 Left Out: 219.672 $\pm$ 0.000 χ^2 /NDF: 2455507522676926762328692419180101632.0/11
 Right Out: -265.593 $\pm$ 0.000 χ^2 /NDF: 25843263106329059274985499259066908672.0/15
 Left In: -233.397 $\pm$ 0.000 χ^2 /NDF: 2171341737989359237753599766499950592.0/10
 All: -1.734 $\pm$ 0.000 χ^2 /NDF: 2550962914121

dit_sam7_coil7_Ndata_mean vs Slug, Sign Corrected



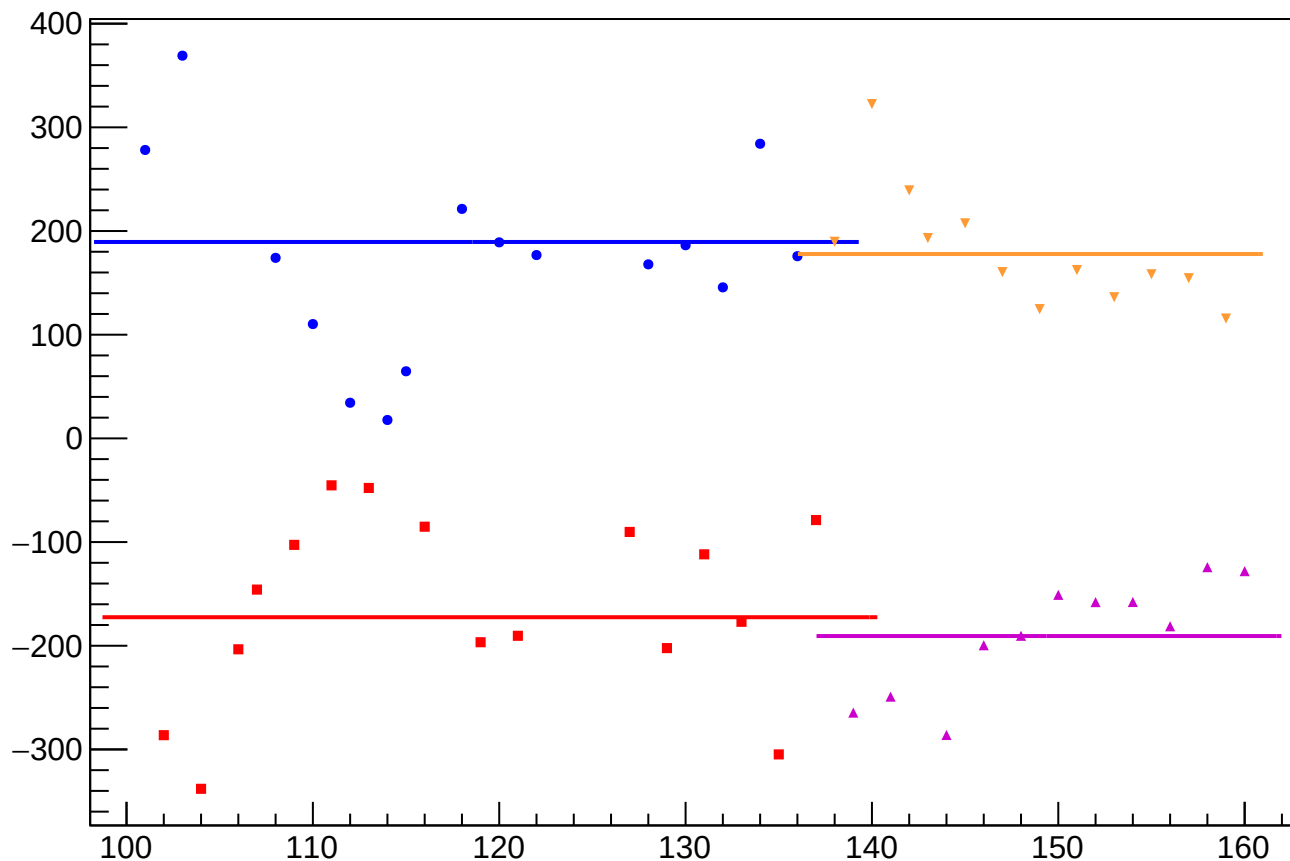
Left: -12.747 +/- 0.000 χ^2/NDF : 2657013306605046
 Right: 23.805 +/- 0.000 χ^2/NDF : 1383338523153511
 In: -279.065 +/- 0.000 χ^2/NDF : 1929090788254319
 Out: 282.649 +/- 0.000 χ^2/NDF : 1863497273761245
 All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam8_coil7_mean vs Slug, Sign Corrected



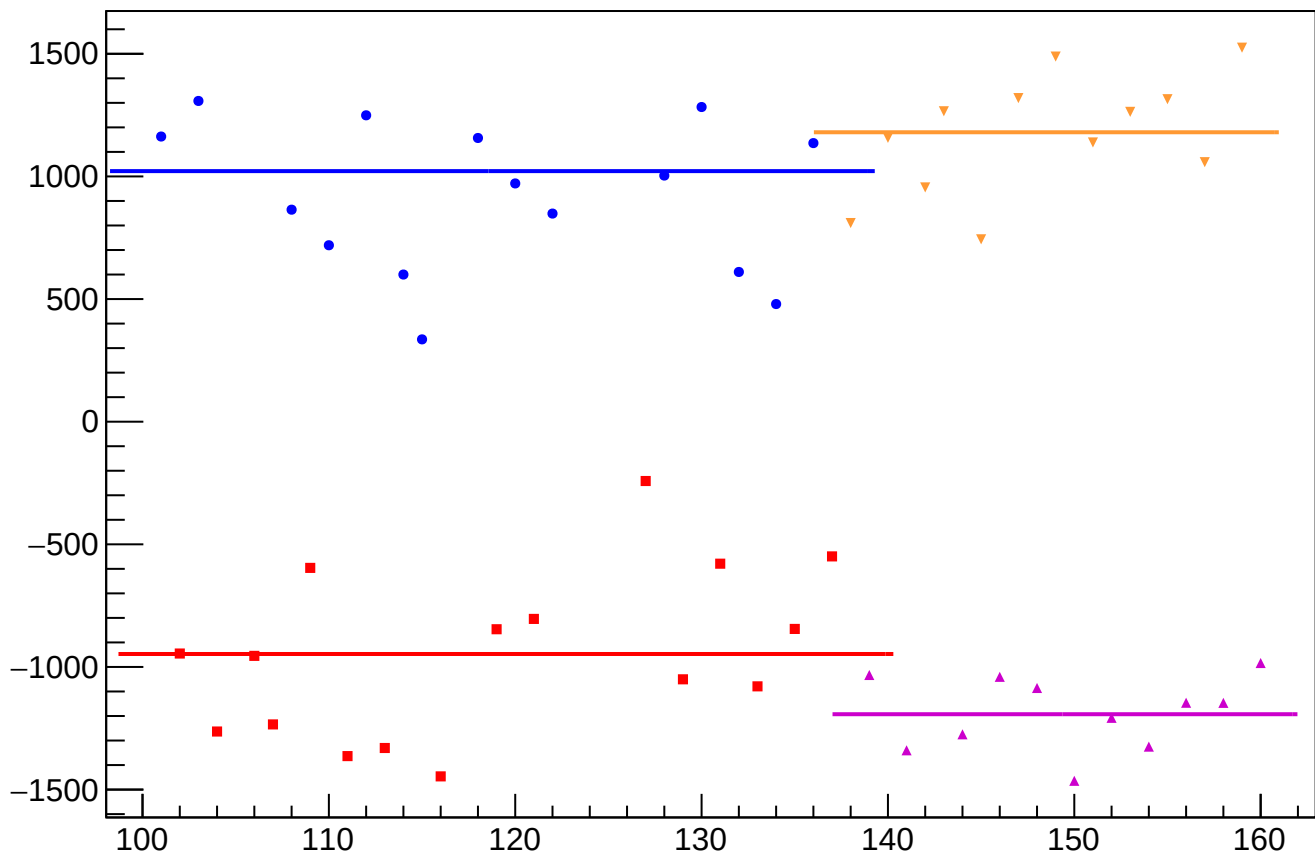
Left: 24.512 ± 0.000 $\chi^2/\text{NDF}: 1766231398282215$
 Right In: -3335.273 ± 0.000 $\chi^2/\text{NDF}: 6338087251589637529030075517152423575552.0/14$
 Left Out: -928.862 ± 0.000 $\chi^2/\text{NDF}: 62250510021534104734591710459968094208.0/11$
 Right Out: 3027.603 ± 0.000 $\chi^2/\text{NDF}: 7086157086694396583090903767581326311424.0/15$
 Left In: 967.568 ± 0.000 $\chi^2/\text{NDF}: 51461881619401718567497787720865939456.0/10$
 All: -31.746 ± 0.000 $\chi^2/\text{NDF}: 285218808380$

dit_sam8_coil7_err_mean vs Slug, Sign Corrected



Right In: 189.442 +/- 0.000 χ^2/NDF : 4707234253929700721726064108794544128.0/14
 Left Out: 177.811 +/- 0.000 χ^2/NDF : 2793392529927944860081581234505908224.0/11
 Right Out: -172.485 +/- 0.000 χ^2/NDF : 5594813408996728261938711470404534272.0/15
 Left In: -190.641 +/- 0.000 χ^2/NDF : 2536070386684067132001548898091925504.0/10
 All: -1.818 +/- 0.000 χ^2/NDF : 1212358862395

dit_sam8_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

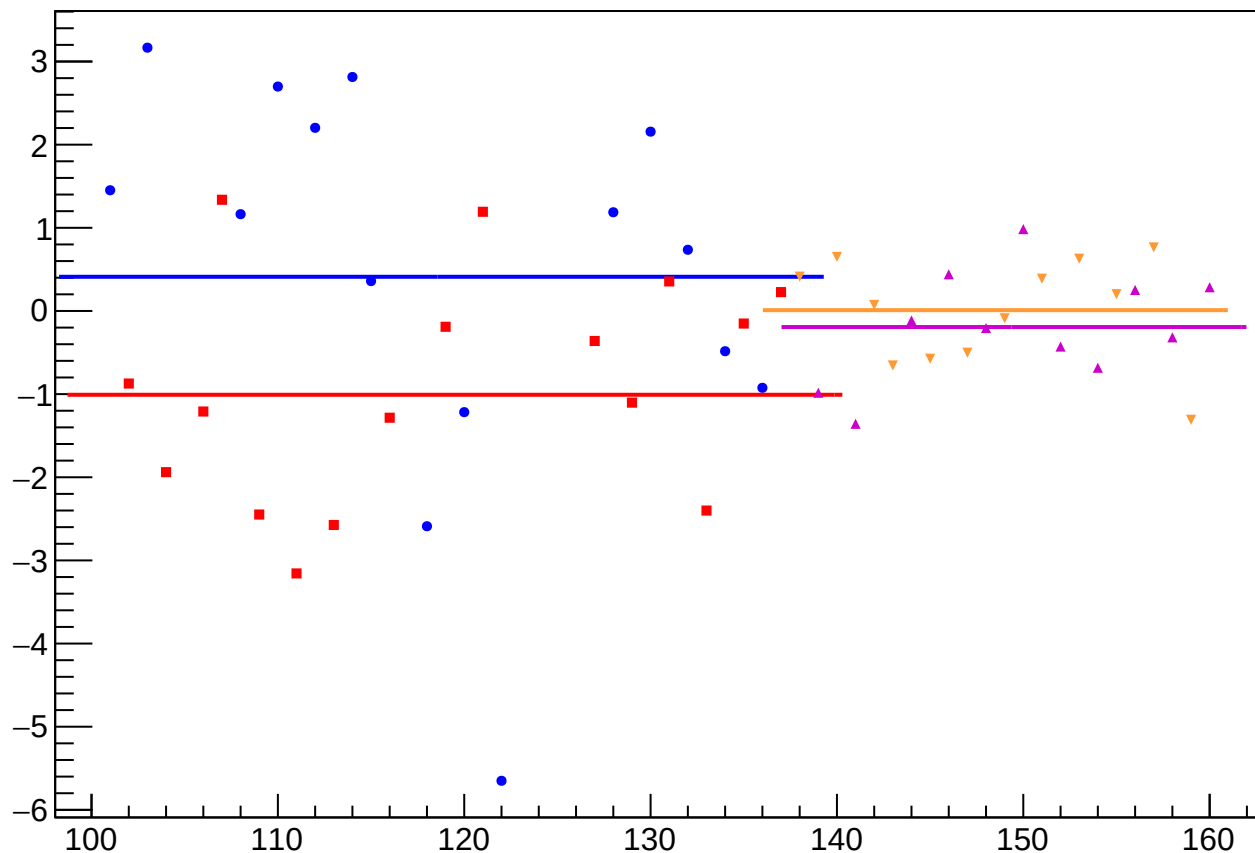
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

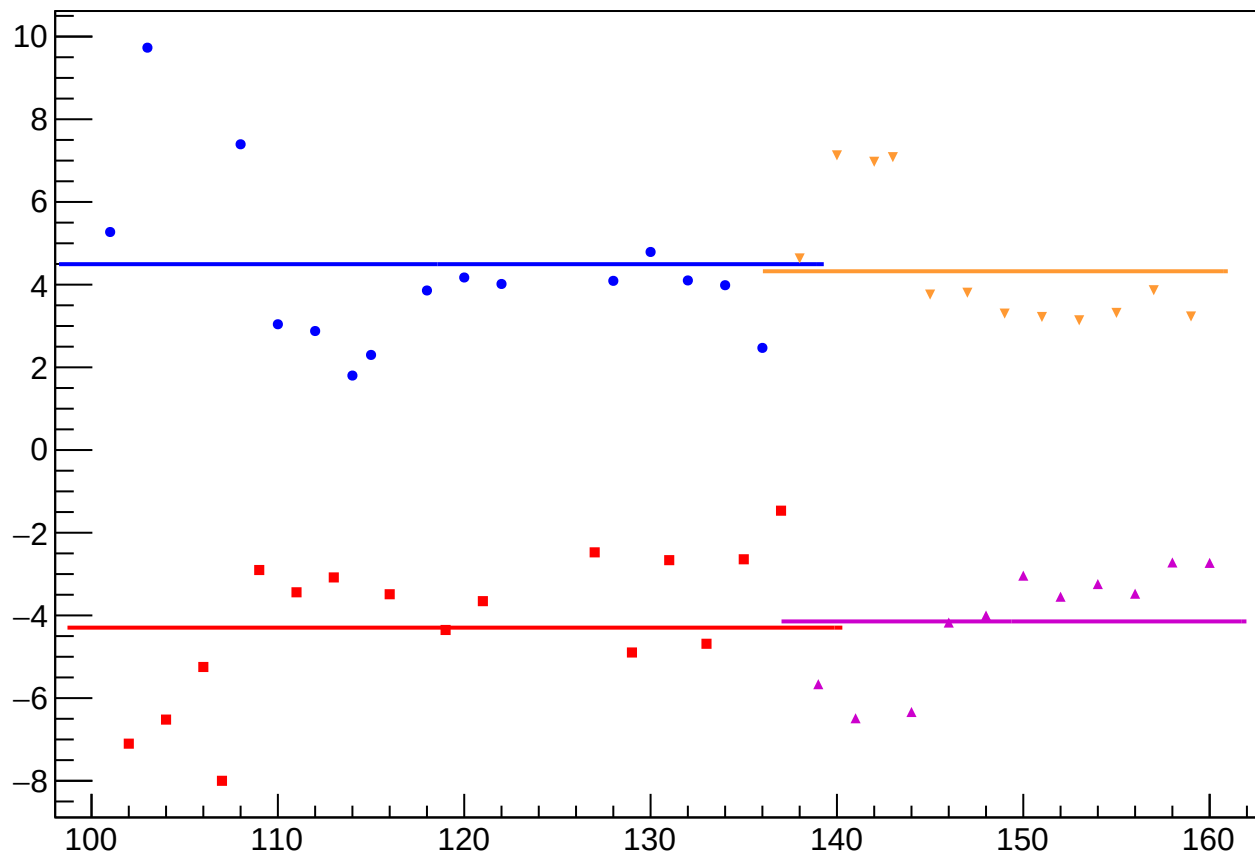
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4aX_coil4_mean vs Slug, Sign Corrected



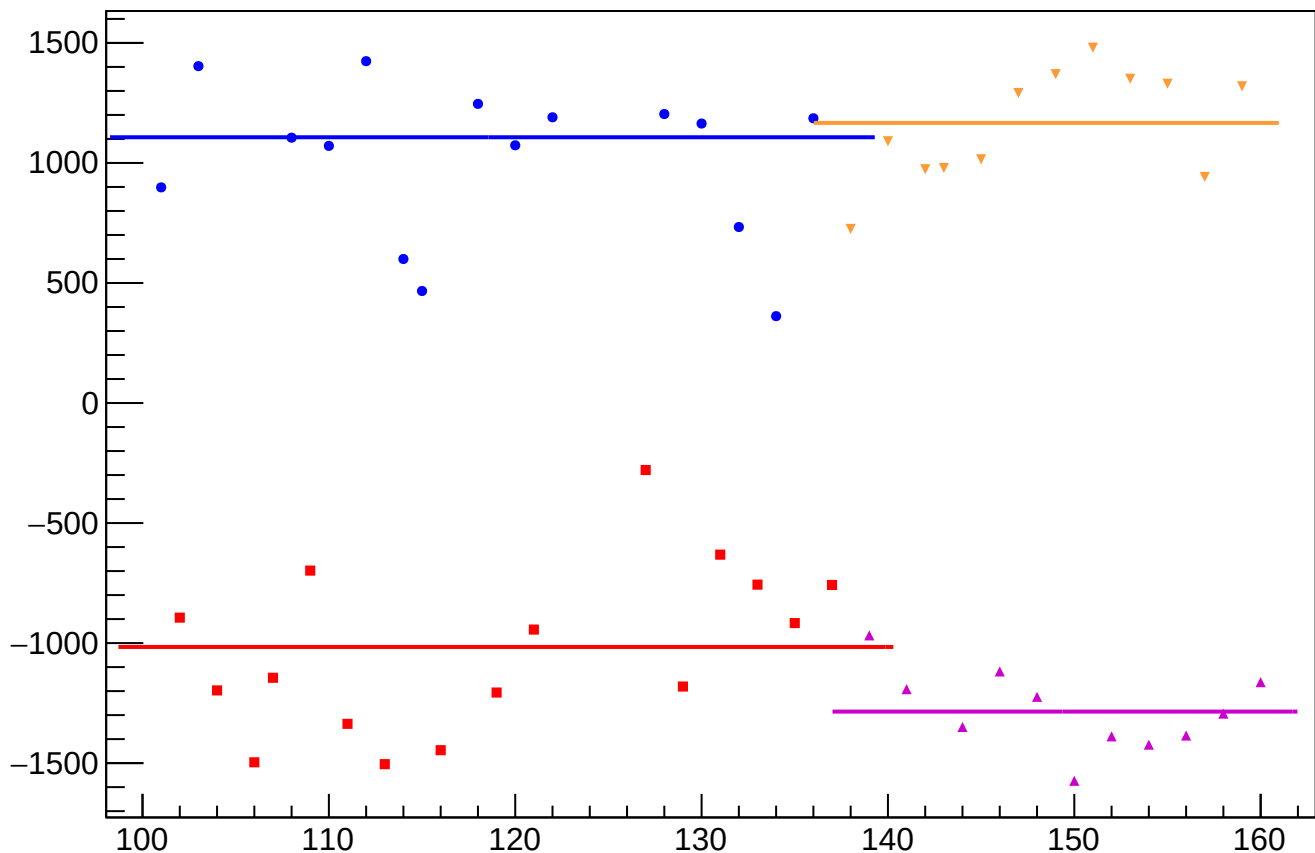
Right In: 0.411 ± 0.000 $\chi^2/\text{NDF}: 3385573506255563170053089820409856.0/14$
 Left Out: 0.010 ± 0.000 $\chi^2/\text{NDF}: 354573516648160349272665694928896.0/11$
 Right Out: -1.008 ± 0.000 $\chi^2/\text{NDF}: 1128402228144096394498047410700288.0/15$
 Left In: -0.193 ± 0.000 $\chi^2/\text{NDF}: 386133523330033860307880234713088.0/10$
 All: -0.182 ± 0.000 $\chi^2/\text{NDF}: 5971597389441$

dit_4aX_coil4_err_mean vs Slug, Sign Corrected



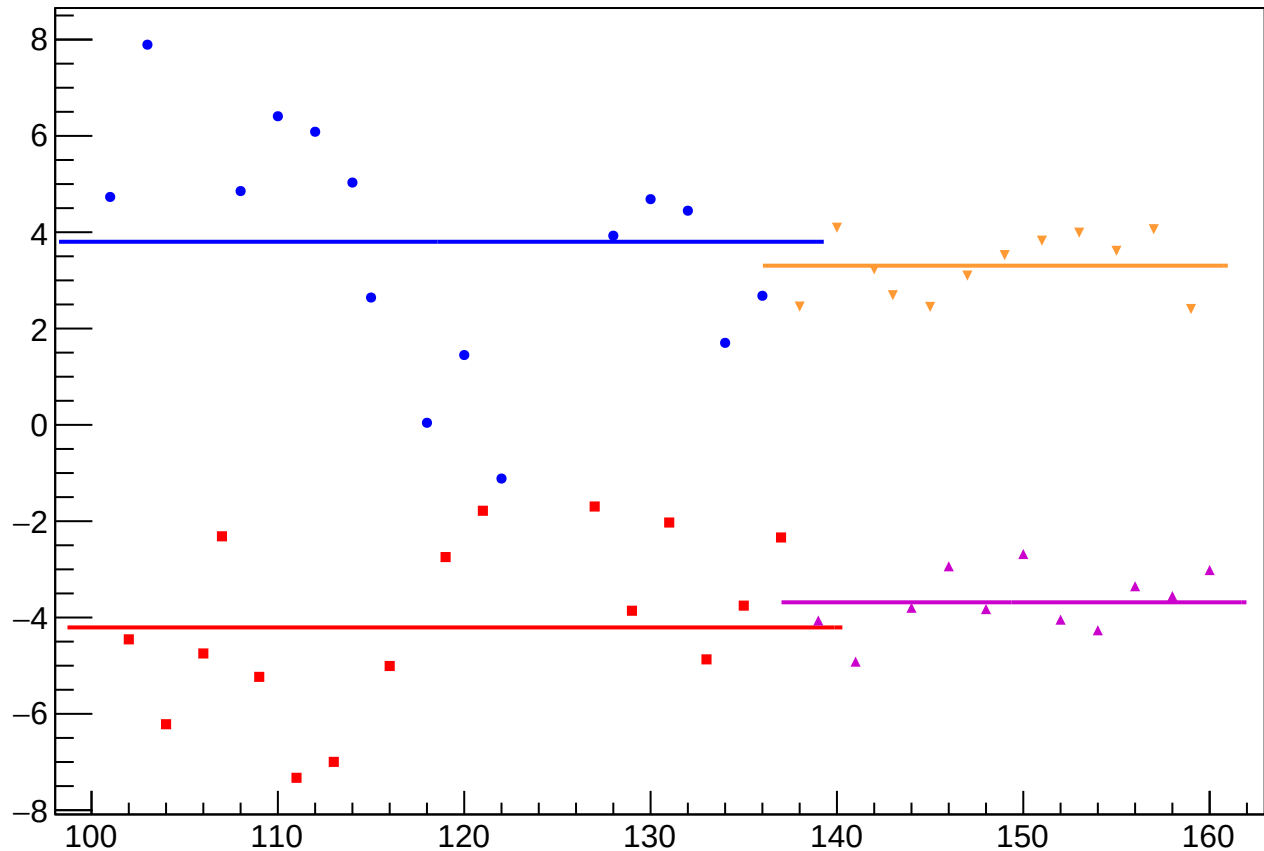
Right In: 4.495 $\pm$ 0.000 χ^2 /NDF: 2742240072441097531500728791597056.0/14
 Left Out: 4.324 $\pm$ 0.000 χ^2 /NDF: 2025534969388950058407109119180800.0/11
 Right Out: -4.296 $\pm$ 0.000 χ^2 /NDF: 2011925707062051890381007475441664.0/15
 Left In: -4.145 $\pm$ 0.000 χ^2 /NDF: 1645942604303349608571849827942400.0/10
 All: 0.055 $\pm$ 0.000 χ^2 /NDF: 66802270544338

dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected



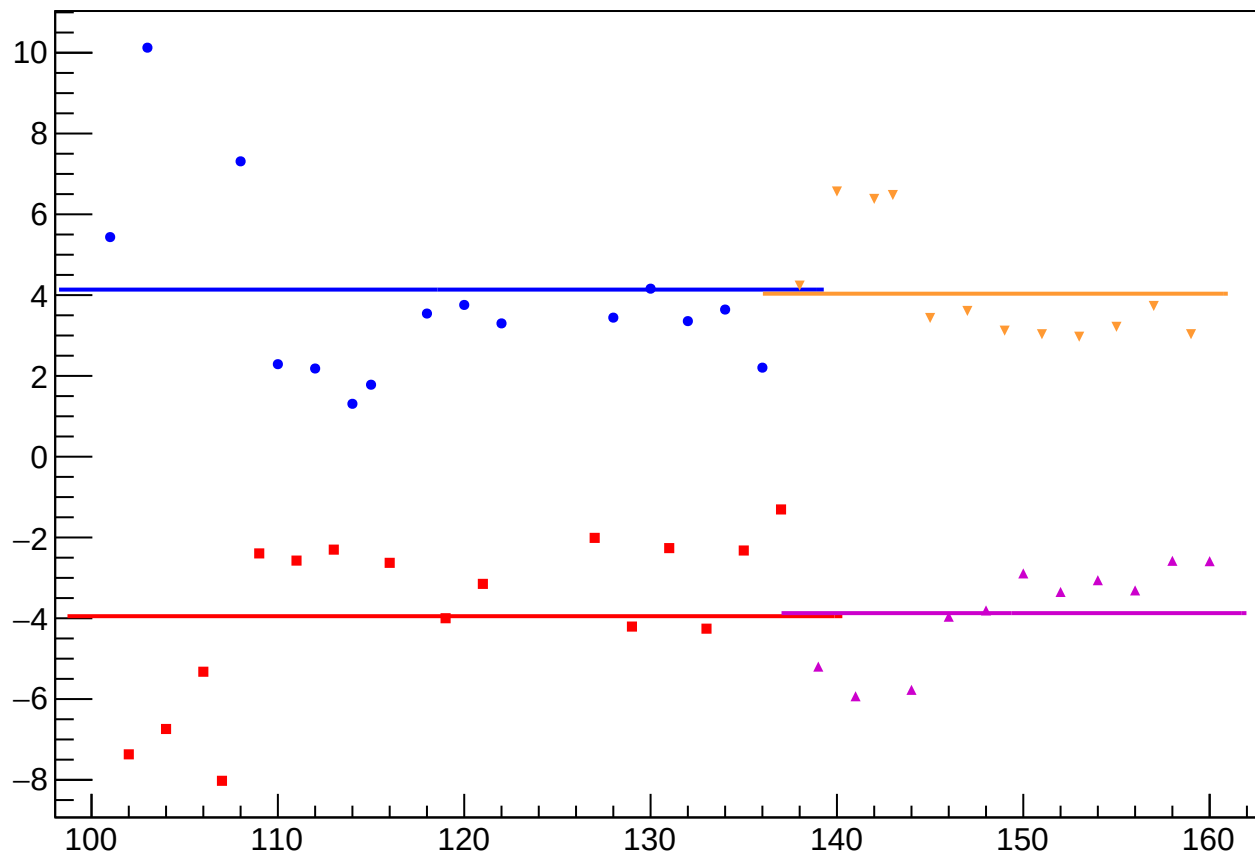
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_4eX_coil4_mean vs Slug, Sign Corrected



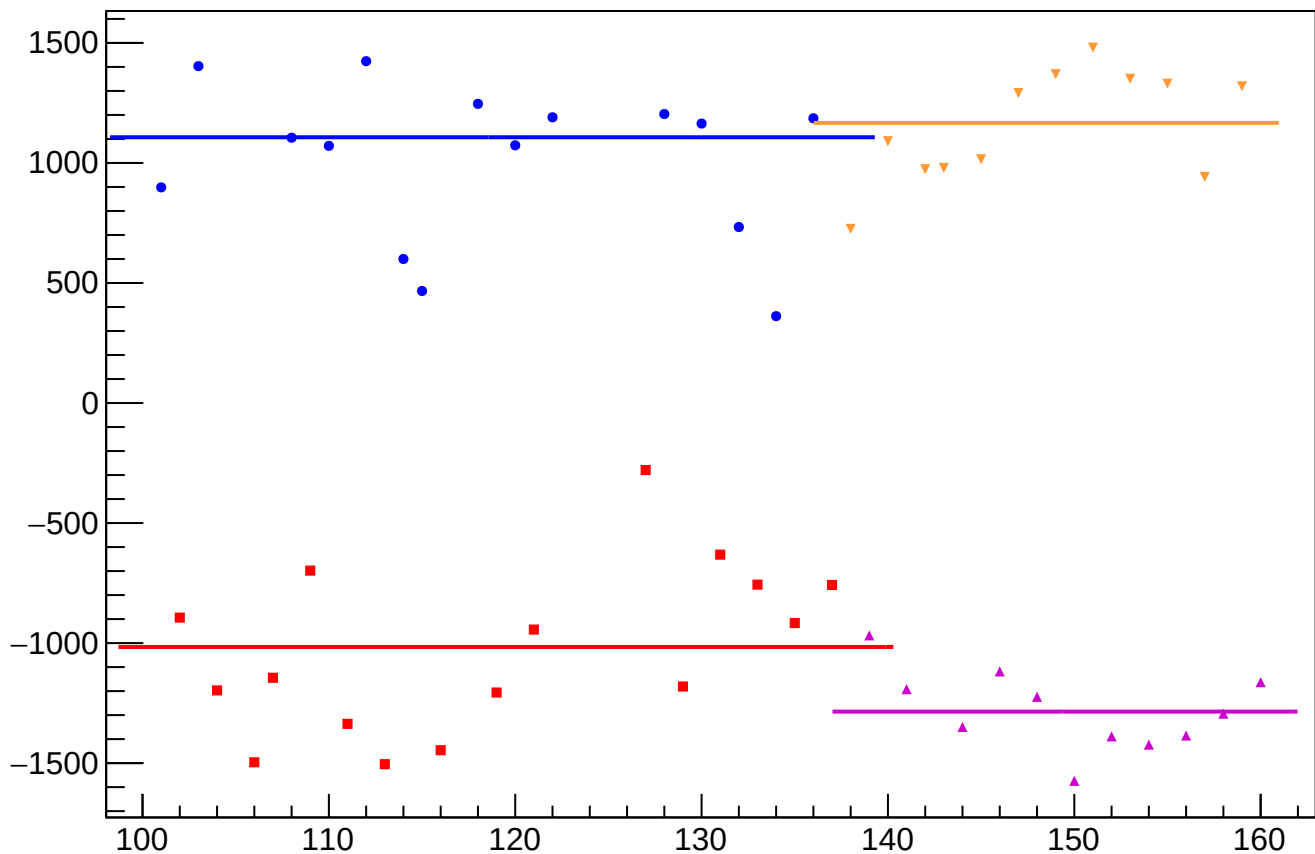
Right In: 3.802 ± 0.000 $\chi^2/\text{NDF}: 3795476074398338930564700657680384.0/14$
 Left Out: 3.305 ± 0.000 $\chi^2/\text{NDF}: 375514605339805624898679558111232.0/11$
 Right Out: -4.206 ± 0.000 $\chi^2/\text{NDF}: 2096427813341454573332265183477760.0/15$
 Left In: -3.684 ± 0.000 $\chi^2/\text{NDF}: 366001419656422310601850072596480.0/10$
 All: -0.229 ± 0.000 $\chi^2/\text{NDF}: 5017617766780.0/14$

dit_4eX_coil4_err_mean vs Slug, Sign Corrected



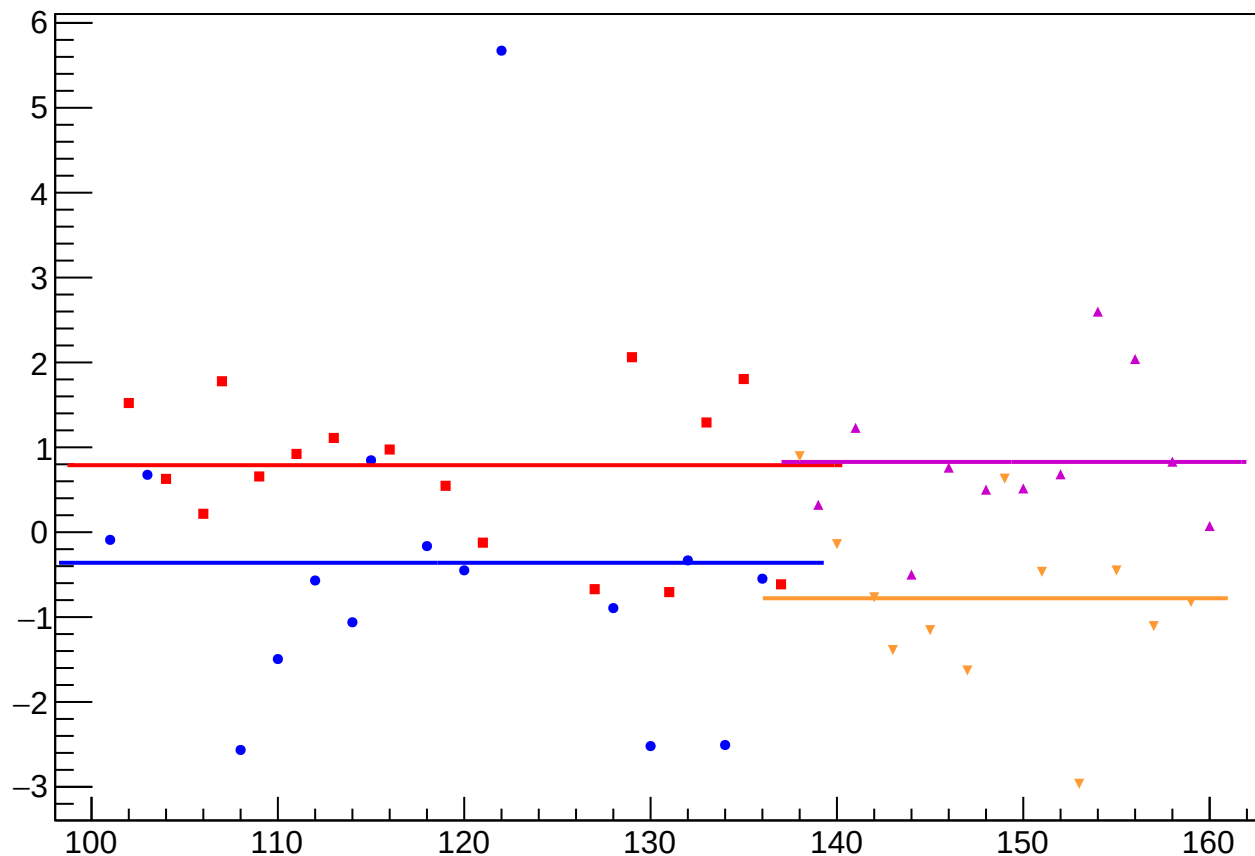
Right In: 4.136 $\pm$ 0.000 χ^2 /NDF: 3507600624388663919898505496231936.0/14
 Left Out: 4.035 $\pm$ 0.000 χ^2 /NDF: 16092990613525785486150138363904.0/11
 Right Out: -3.948 $\pm$ 0.000 χ^2 /NDF: 2670176783942302028345551100051456.0/15
 Left In: -3.873 $\pm$ 0.000 χ^2 /NDF: 1278598291391127694323835331411968.0/10
 All: 0.051 $\pm$ 0.000 χ^2 /NDF: 59300481694443

dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected



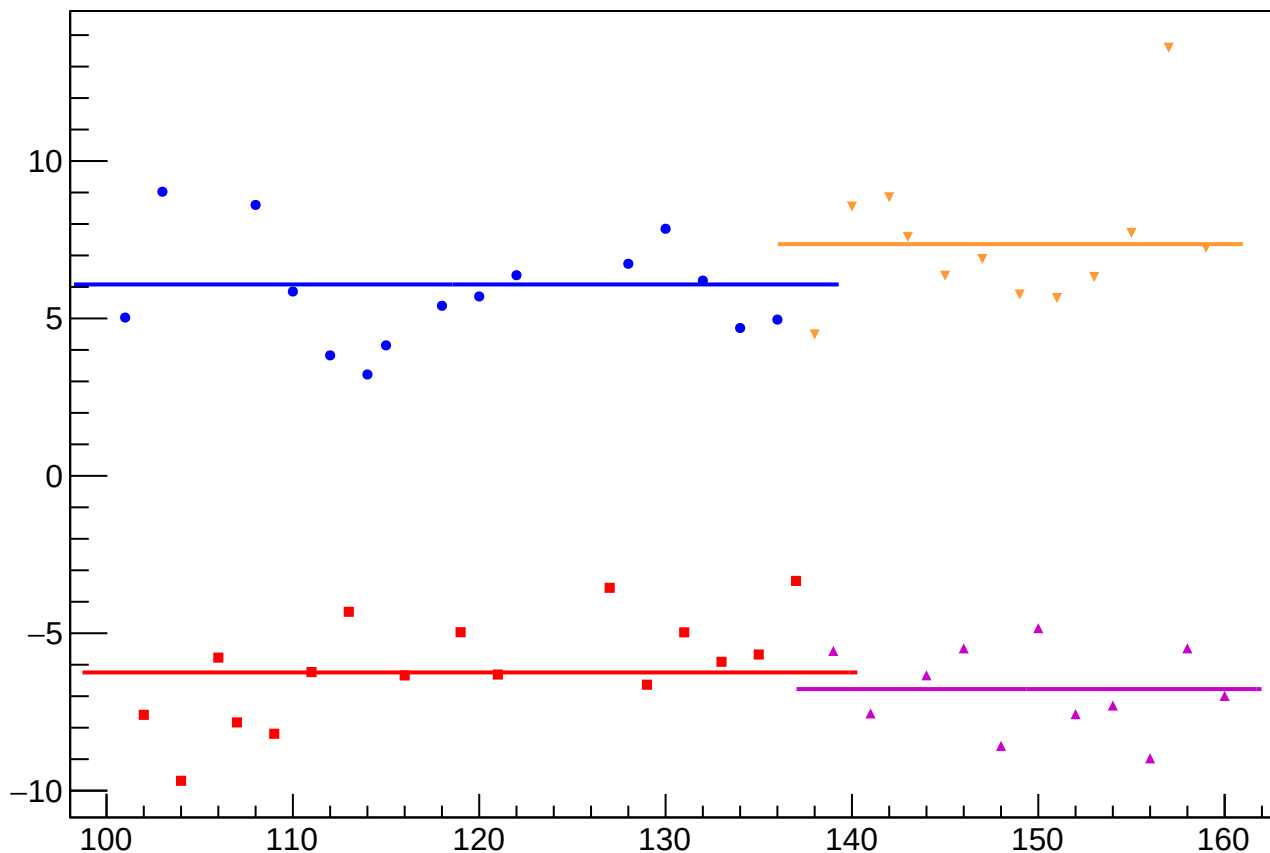
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_11X12X_coil4_mean vs Slug, Sign Corrected



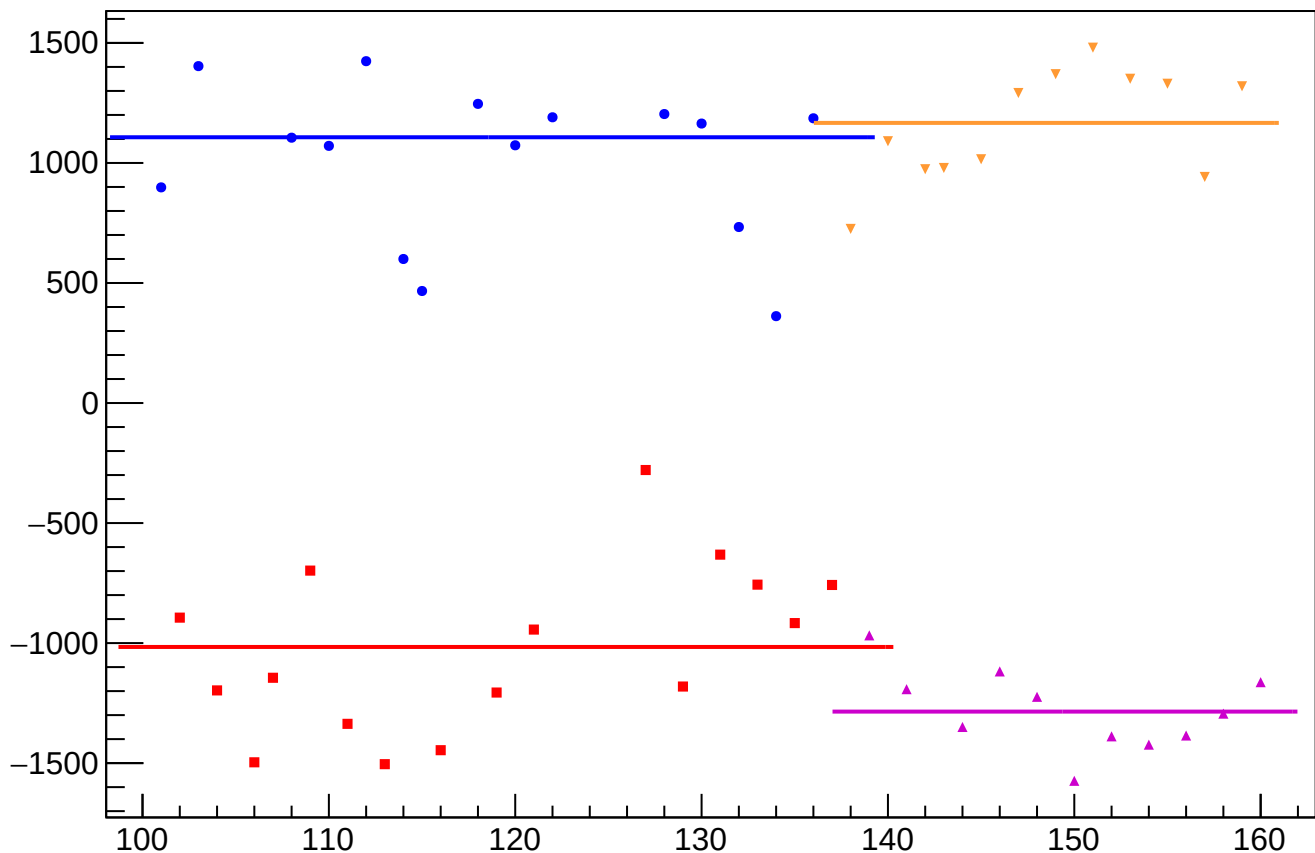
Right In: -0.360 ± 0.000 χ^2/NDF : 2180256348790896849346212178952192.0/14
 Left Out: -0.778 ± 0.000 χ^2/NDF : 941792568376434225486843988672512.0/11
 Right Out: 0.790 ± 0.000 χ^2/NDF : 463078369073343959803422903894016.0/15
 Left In: 0.828 ± 0.000 χ^2/NDF : 650173977459122524537180454387712.0/10
 All: 0.110 ± 0.000 χ^2/NDF : 58843184622867

dit_11X12X_coil4_err_mean vs Slug, Sign Corrected



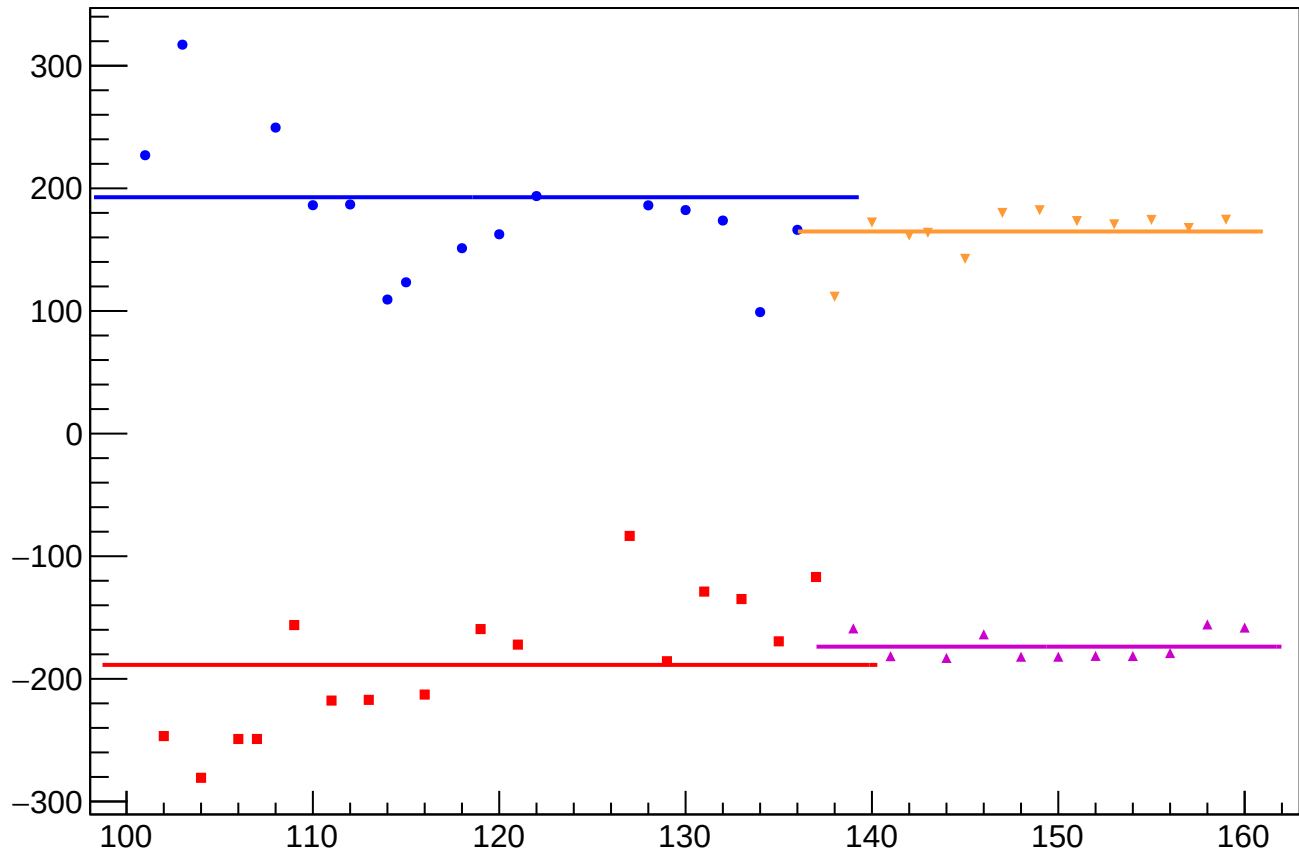
Right In: 6.079 ± 0.000 $\chi^2/\text{NDF}: 1590295171022705157509900448825344.0/14$
 Left Out: 7.360 ± 0.000 $\chi^2/\text{NDF}: 4580380755239365503585140070154240.0/11$
 Right Out: -6.245 ± 0.000 $\chi^2/\text{NDF}: 1816529163105006938510976985595904.0/15$
 Left In: -6.773 ± 0.000 $\chi^2/\text{NDF}: 1545880653062872635060205832372224.0/10$
 All: 0.079 ± 0.000 $\chi^2/\text{NDF}: 15140907690746$

dit_11X12X_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_4aY_coil4_mean vs Slug, Sign Corrected



Right In: 192.771+/-0.000

χ^2/NDF : 1640576279746948433391816936236515328.0/14

Left Out: 164.832+/-0.000

χ^2/NDF : 331248867631864480349687016910225408.0/11

Right Out: -188.612+/-0.000

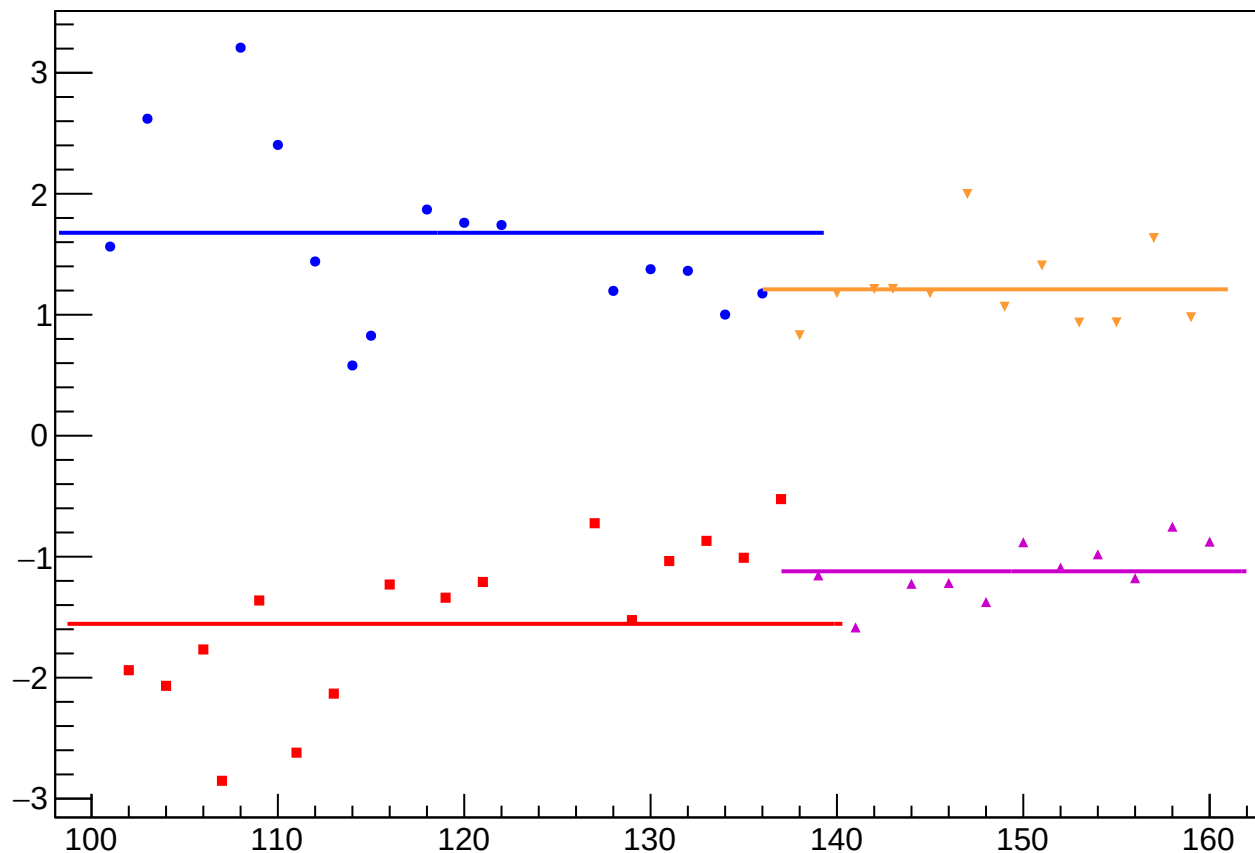
χ^2/NDF : 1922342257287674563344204730019610624.0/15

Left In: -173.738+/-0.000

χ^2/NDF : 107568156923900649458795541002452992.0/10

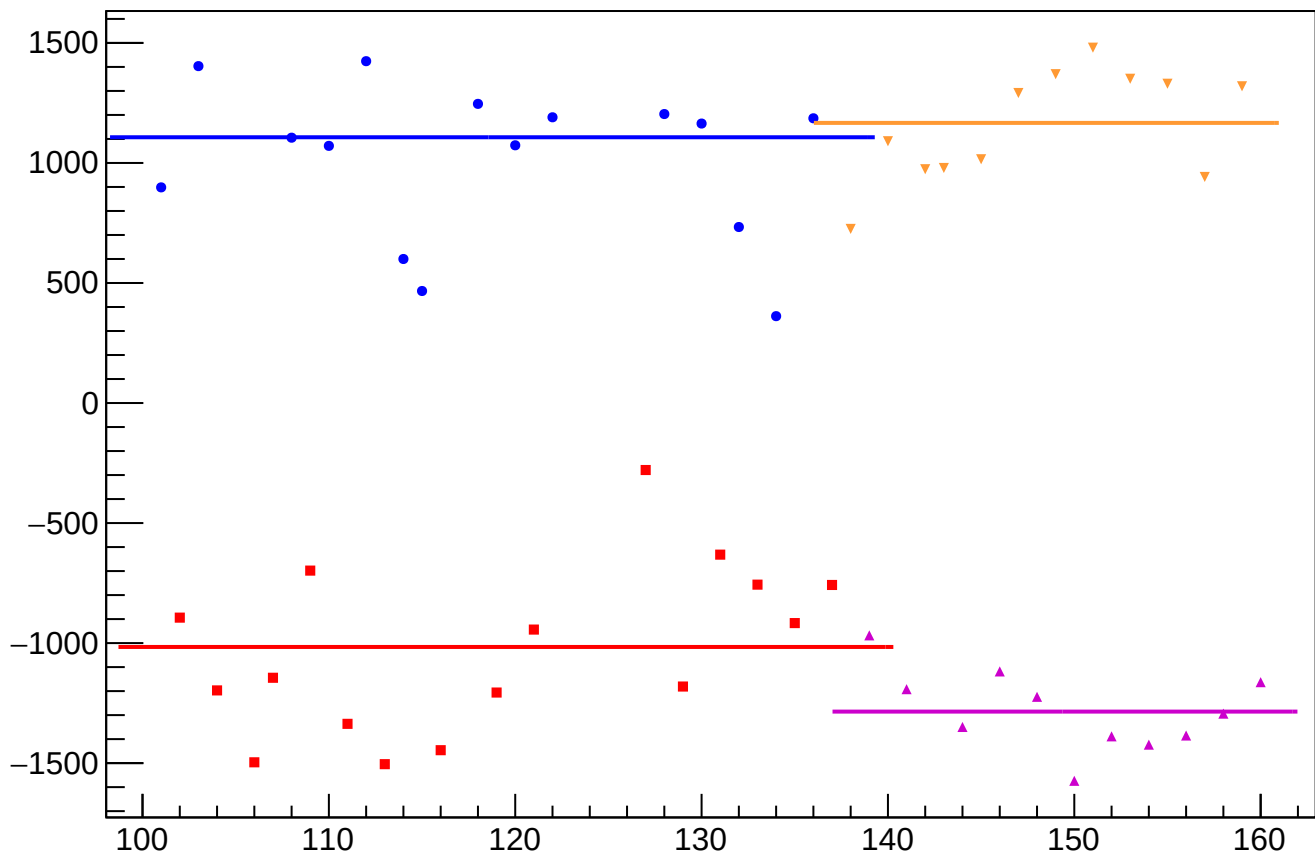
All: -3.352+/-0.000 χ^2/NDF : 1045358110774

dit_4aY_coil4_err_mean vs Slug, Sign Corrected



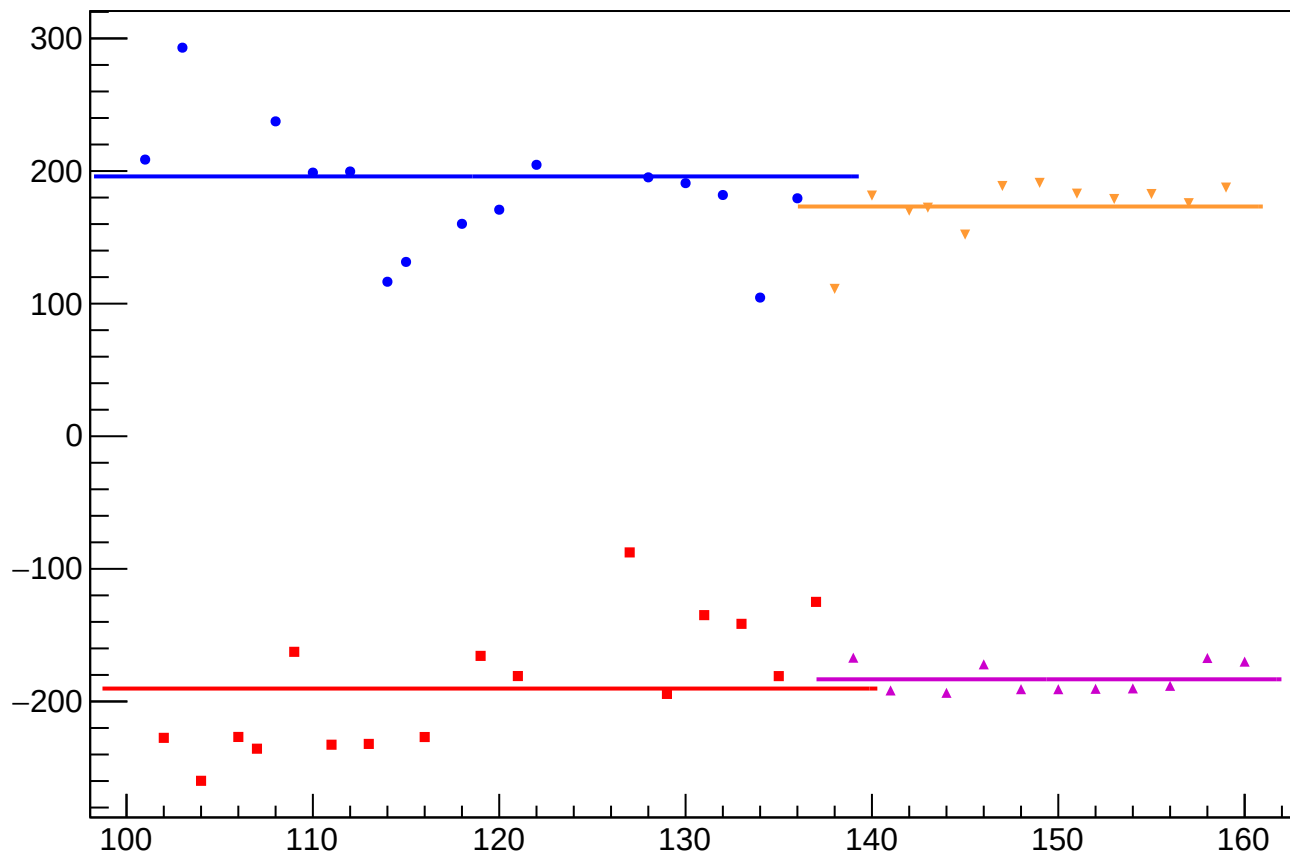
Left: 0.038 +/- 0.000 χ^2/NDF : 26400466299465554
 Right: 0.039 +/- 0.000 χ^2/NDF : 39344676532155979
 In: 0.034 +/- 0.000 χ^2/NDF : 3275368114978709323
 Out: 0.043 +/- 0.000 χ^2/NDF : 329907161890526986
 All: 0.039 +/- 0.000 χ^2/NDF : 65745148787562

dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 +/- 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 +/- 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 +/- 0.000 χ^2/NDF : 443493791328

dit_4eY_coil4_mean vs Slug, Sign Corrected



Right In: 195.940 $\pm$ 0.000

χ^2 /NDF: 1057891079869089572370479093183938560.0/14

Left Out: 173.245 $\pm$ 0.000

χ^2 /NDF: 421189743022312956779621222954565632.0/11

Right Out: -190.268 $\pm$ 0.000

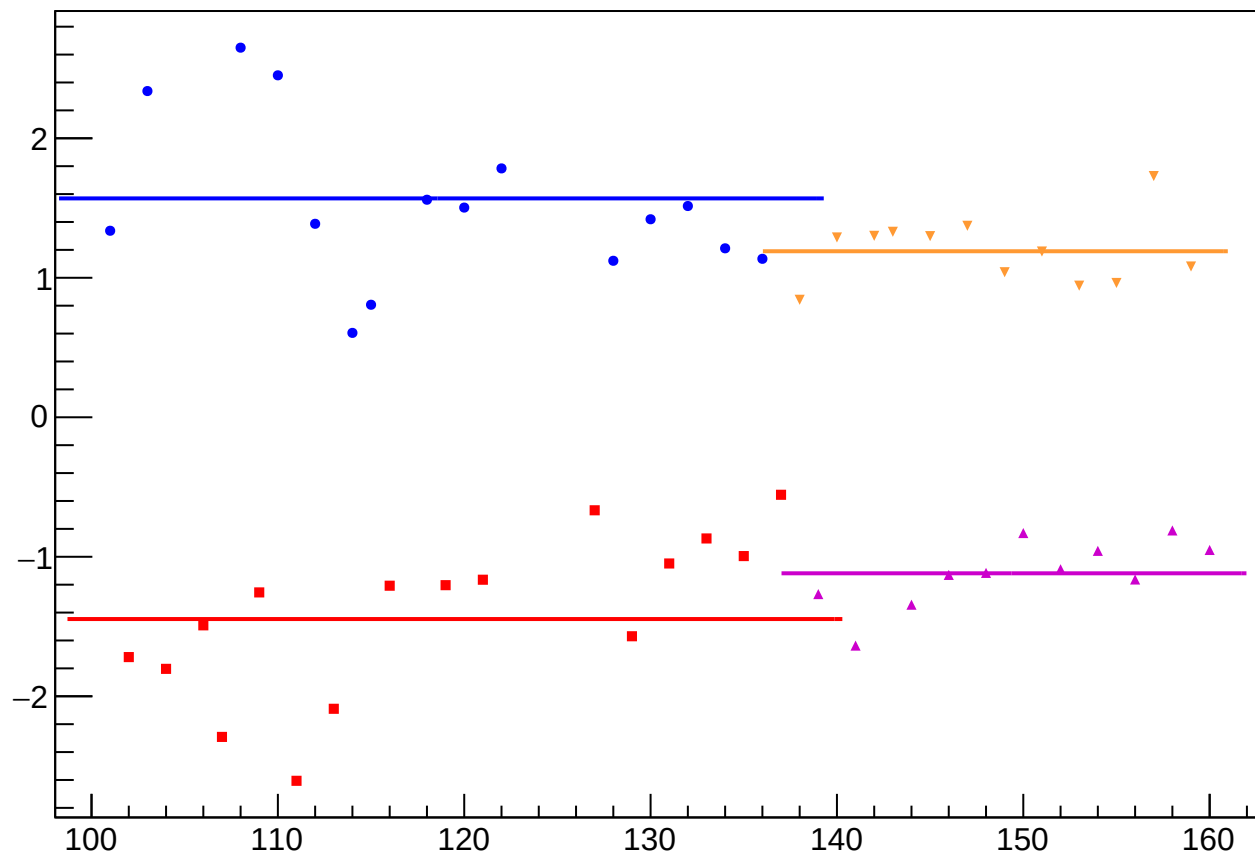
χ^2 /NDF: 1468473073667973330267084234323656704.0/15

Left In: -183.290 $\pm$ 0.000

χ^2 /NDF: 101738841511111417821042611832487936.0/10

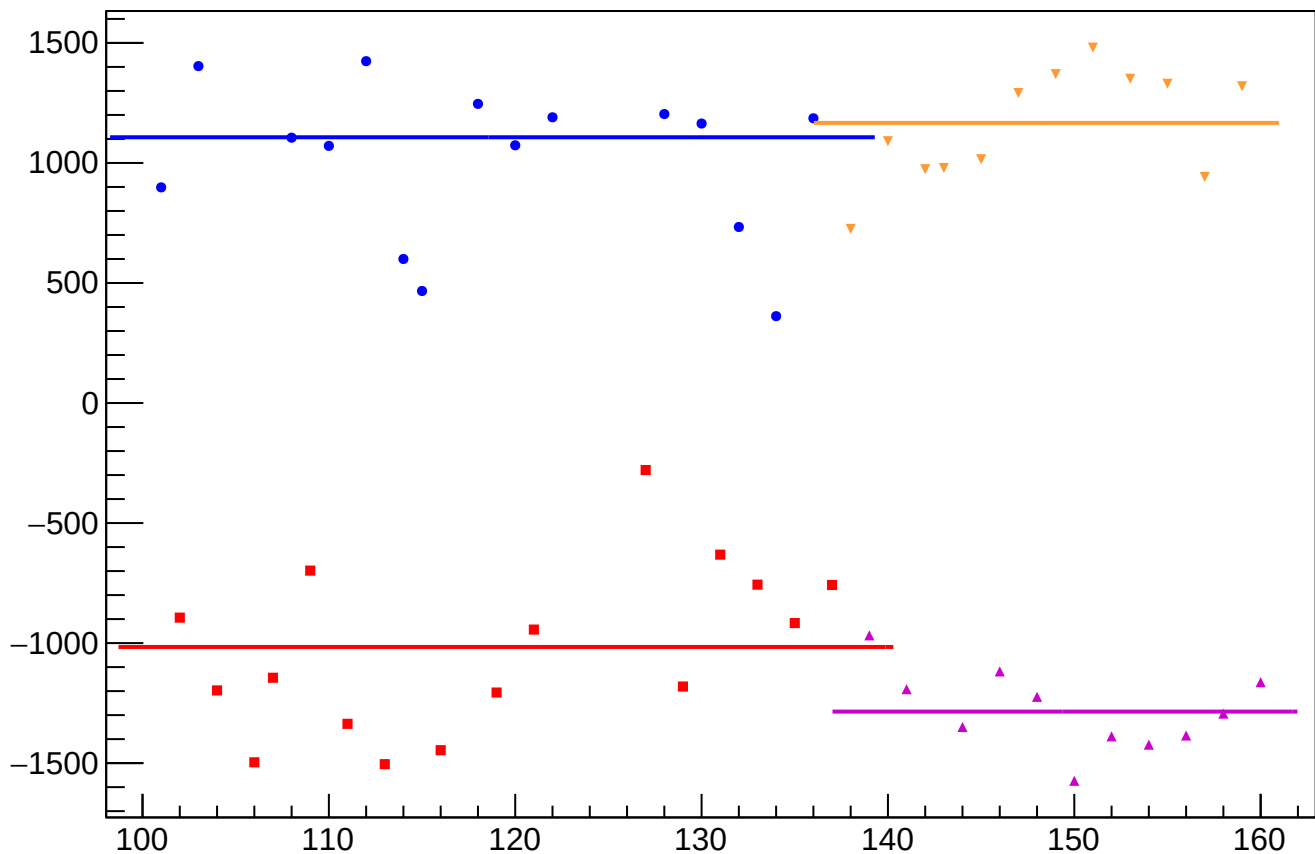
All: -3.411 $\pm$ 0.000 χ^2 /NDF: 1105507050353

dit_4eY_coil4_err_mean vs Slug, Sign Corrected



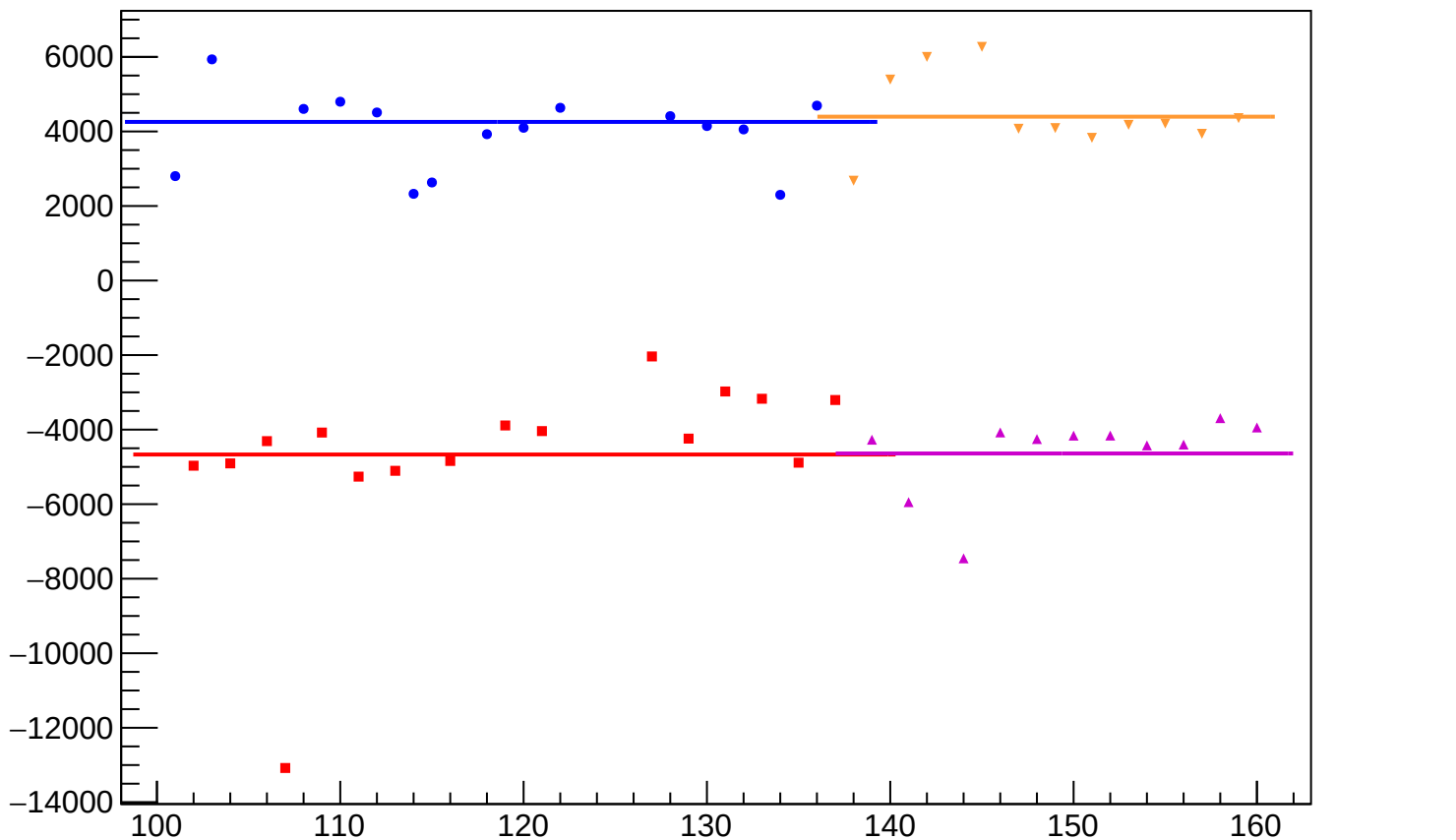
Right In: 1.569 ± 0.000 $\chi^2/\text{NDF}: 162849195668123380789610540957696.0/14$
 Left Out: 1.190 ± 0.000 $\chi^2/\text{NDF}: 50745822936032217336144814145536.0/11$
 Right Out: -1.446 ± 0.000 $\chi^2/\text{NDF}: 196296653917523352443271052787712.0/15$
 Left In: -1.118 ± 0.000 $\chi^2/\text{NDF}: 48973496995723480911801365823488.0/10$
 All: 0.034 ± 0.000 $\chi^2/\text{NDF}: 58987559316177$

dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected



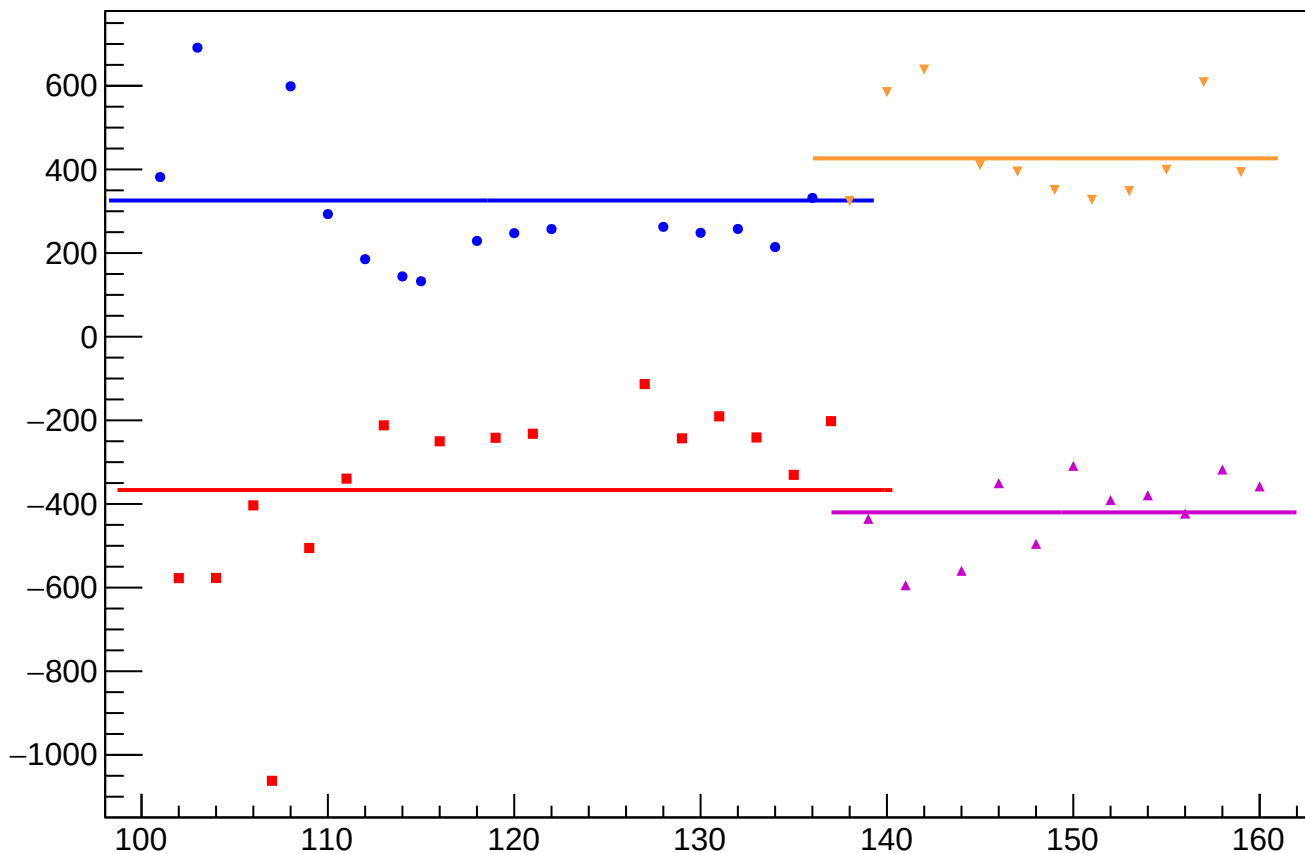
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_usl_coil4_mean vs Slug, Sign Corrected



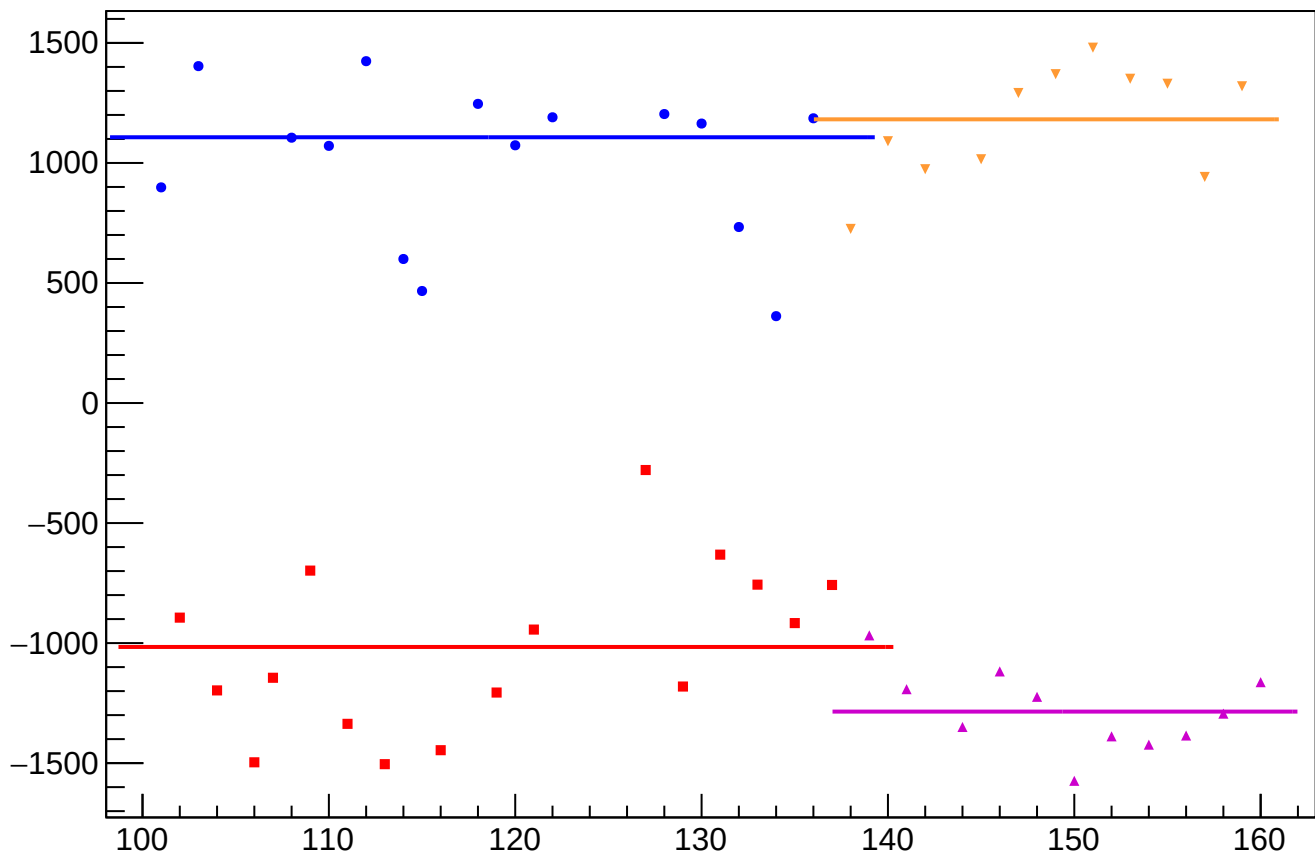
Right In: 4256.386+/-0.000 χ^2/NDF : 498605412551624859672454954159576186880.0/14
 Left Out: 4396.403+/-0.000 χ^2/NDF : 767686308157486440179100240552638021632.0/10
 Right Out: -4667.832+/-0.000 χ^2/NDF : 3201925535782807450320951772159309512704.0/15
 Left In: -4639.846+/-0.000 χ^2/NDF : 1058446303743243170530981239939506634752.0/10
 All: -296.246+/-0.000 χ^2/NDF : 67809743893

dit_usl_coil4_err_mean vs Slug, Sign Corrected



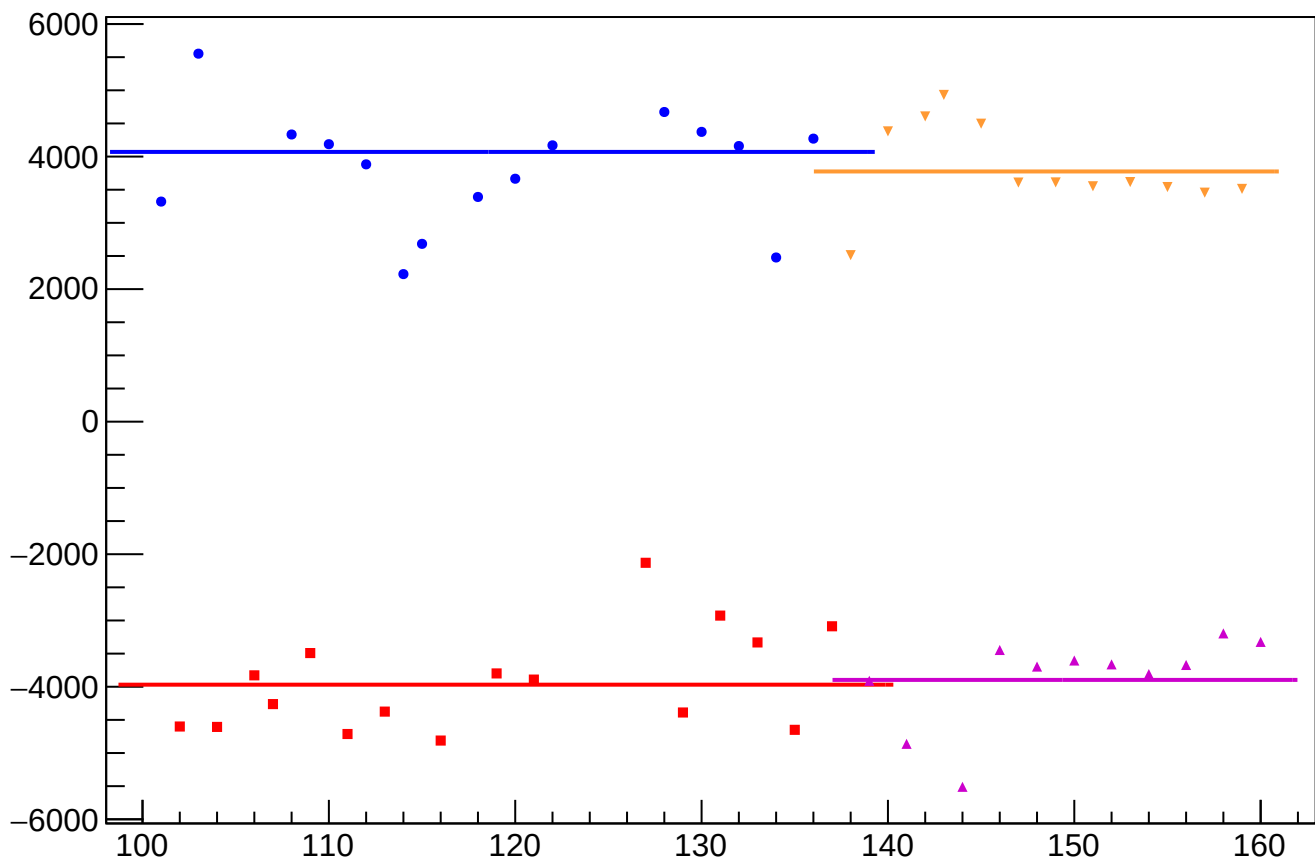
Right In: 325.732 +/- 0.000 χ^2/NDF : 14633359567940244123897242769854300160.0/14
 Left Out: 426.446 +/- 0.000 χ^2/NDF : 9564737566607591468000084323542761472.0/10
 Right Out: -366.682 +/- 0.000 χ^2/NDF : 32097250699947956409117440115398934528.0/15
 Left In: -420.062 +/- 0.000 χ^2/NDF : 7706514276709269263404419491802644480.0/10
 All: -19.474 +/- 0.000 χ^2/NDF : 538446931474

dit_usl_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1181.721 $\pm$ 0.000 χ^2 /NDF: 42102883856321275256821029062509068288.0/10
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2 /NDF: 24002572803732345959736048095514853376.0/10
 All: -47.303 $\pm$ 0.000 χ^2 /NDF: 436585203886

dit_usr_coil4_mean vs Slug, Sign Corrected



Right In: 4070.444+/-0.000

χ^2/NDF : 343281875282695739956383156295247593472.0/14

Left Out: 3775.469+/-0.000

χ^2/NDF : 344611737456116155441573311529372090368.0/11

Right Out: -3968.723+/-0.000

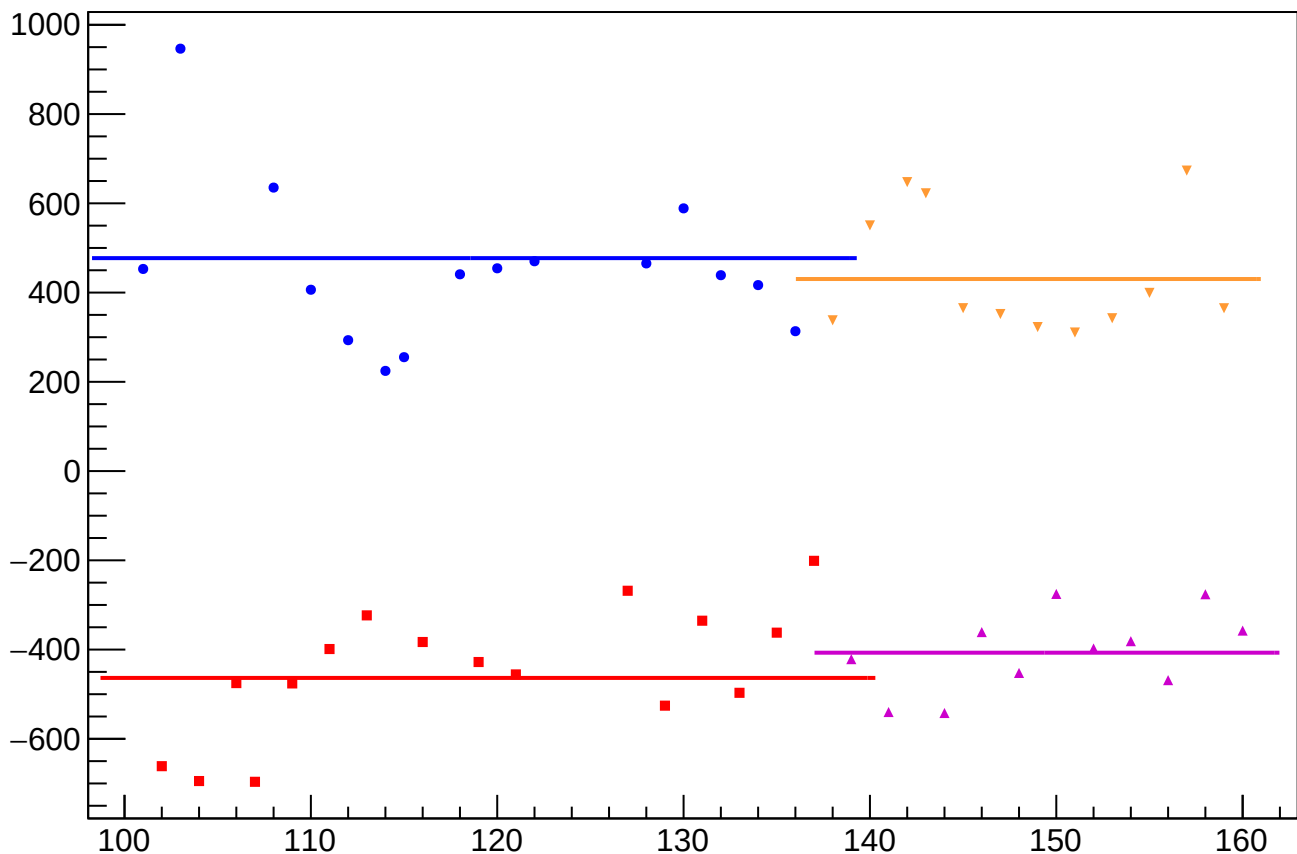
χ^2/NDF : 359955880326194784467353369492594884608.0/15

Left In: -3896.757+/-0.000

χ^2/NDF : 412530714584693730225130204014353317888.0/10

All: -49.222+/-0.000 χ^2/NDF : 497704442491

dit_usr_coil4_err_mean vs Slug, Sign Corrected



Right In: 477.186 $\pm$ 0.000

χ^2 /NDF: 20455719931758379978892605184974782464.0/14

Left Out: 430.385 $\pm$ 0.000

χ^2 /NDF: 15124863187063515916775500602167787520.0/11

Right Out: -463.513 $\pm$ 0.000

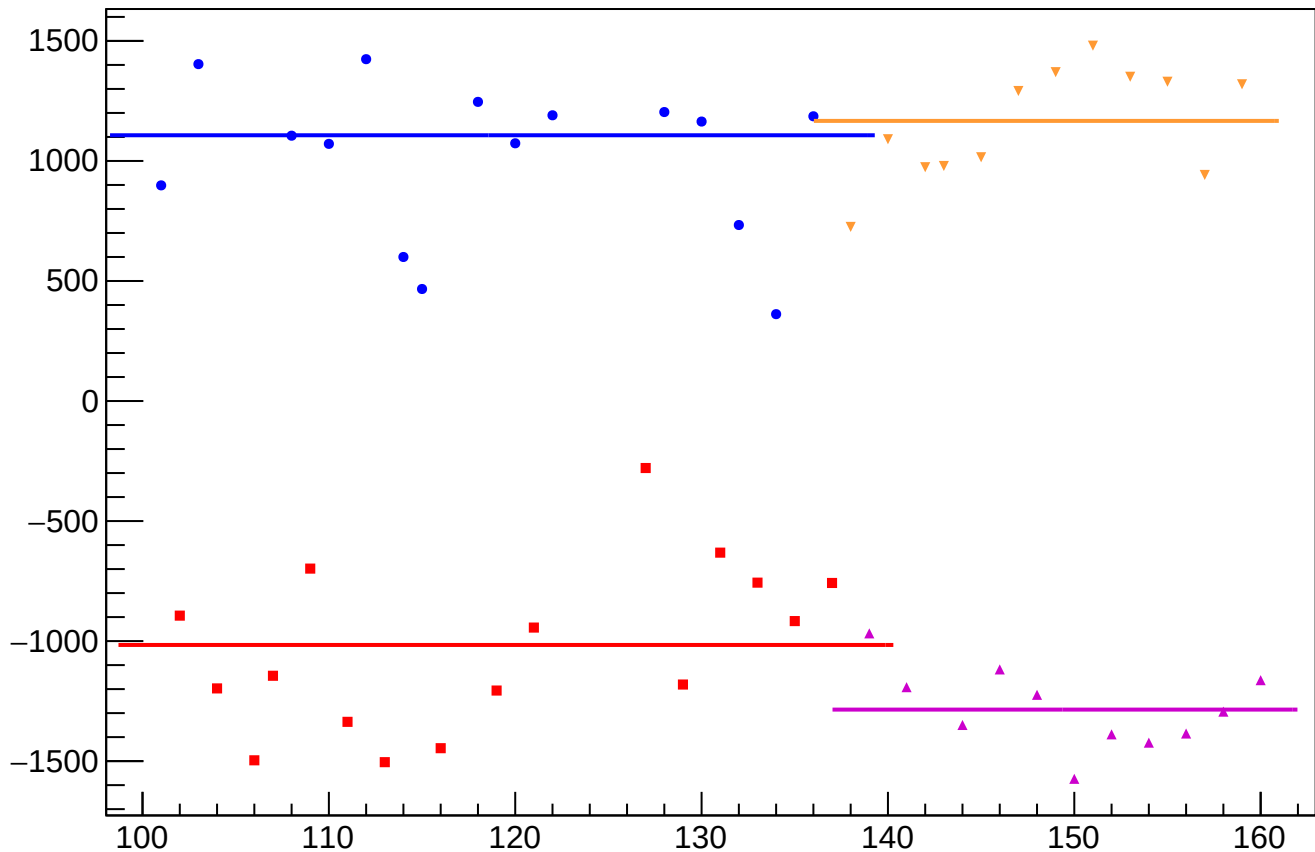
χ^2 /NDF: 12556777931069903370031832388184571904.0/15

Left In: -406.990 $\pm$ 0.000

χ^2 /NDF: 7014219134688394471330081136711827456.0/10

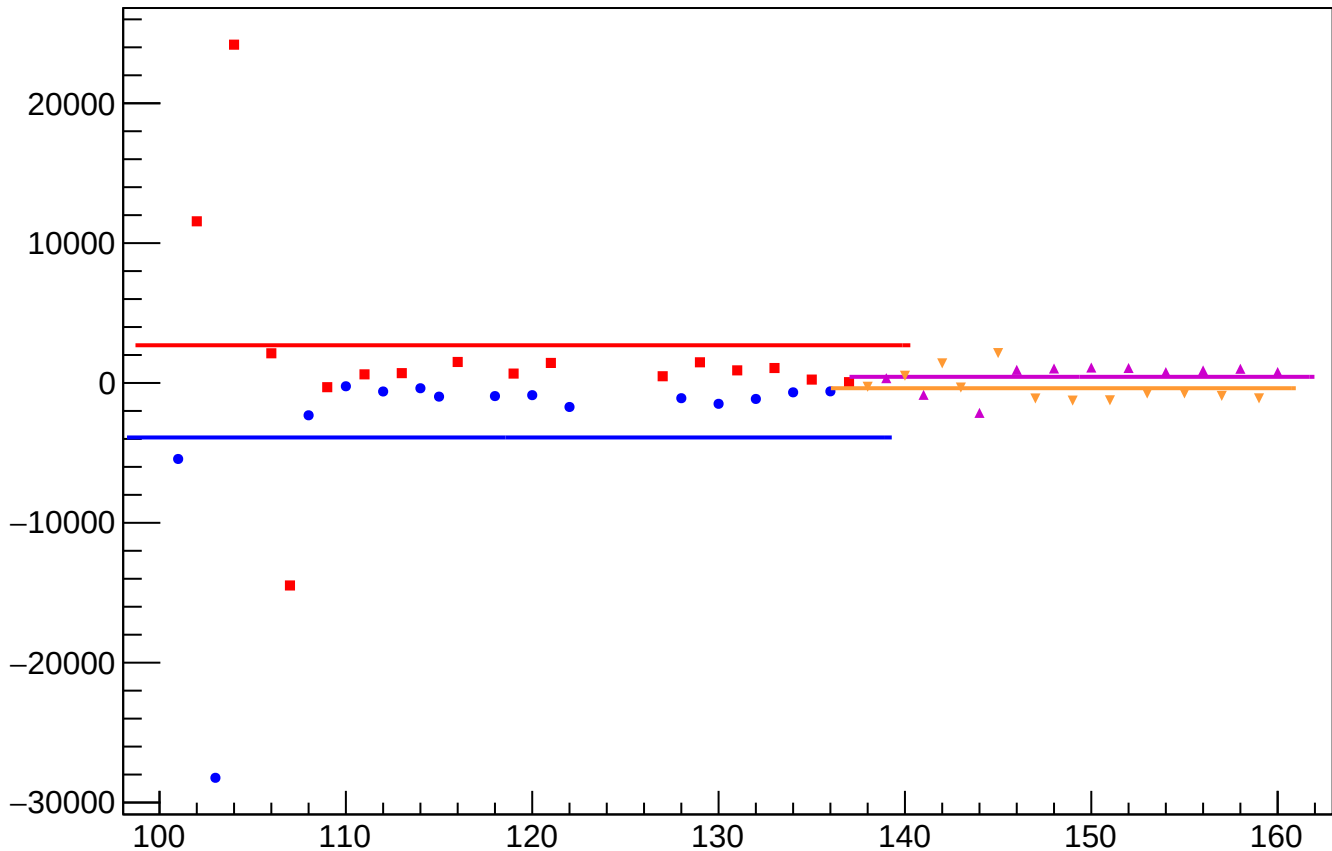
All: 5.658 $\pm$ 0.000 χ^2 /NDF: 66848676133618

dit_usr_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 $\pm$ 0.000 χ^2 /NDF: 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2 /NDF: 24002572803732345959736048095514853376.0/10
 All: -25.499 $\pm$ 0.000 χ^2 /NDF: 443493791328

dit_atl1_coil4_mean vs Slug, Sign Corrected



Right In: -3896.522+/-0.000

χ^2/NDF : 39618598516481020448248440670012984786944.0/14

Left Out: -375.430+/-0.000

χ^2/NDF : 958630071854954411455962799285737619456.0/11

Right Out: 2695.992+/-0.000

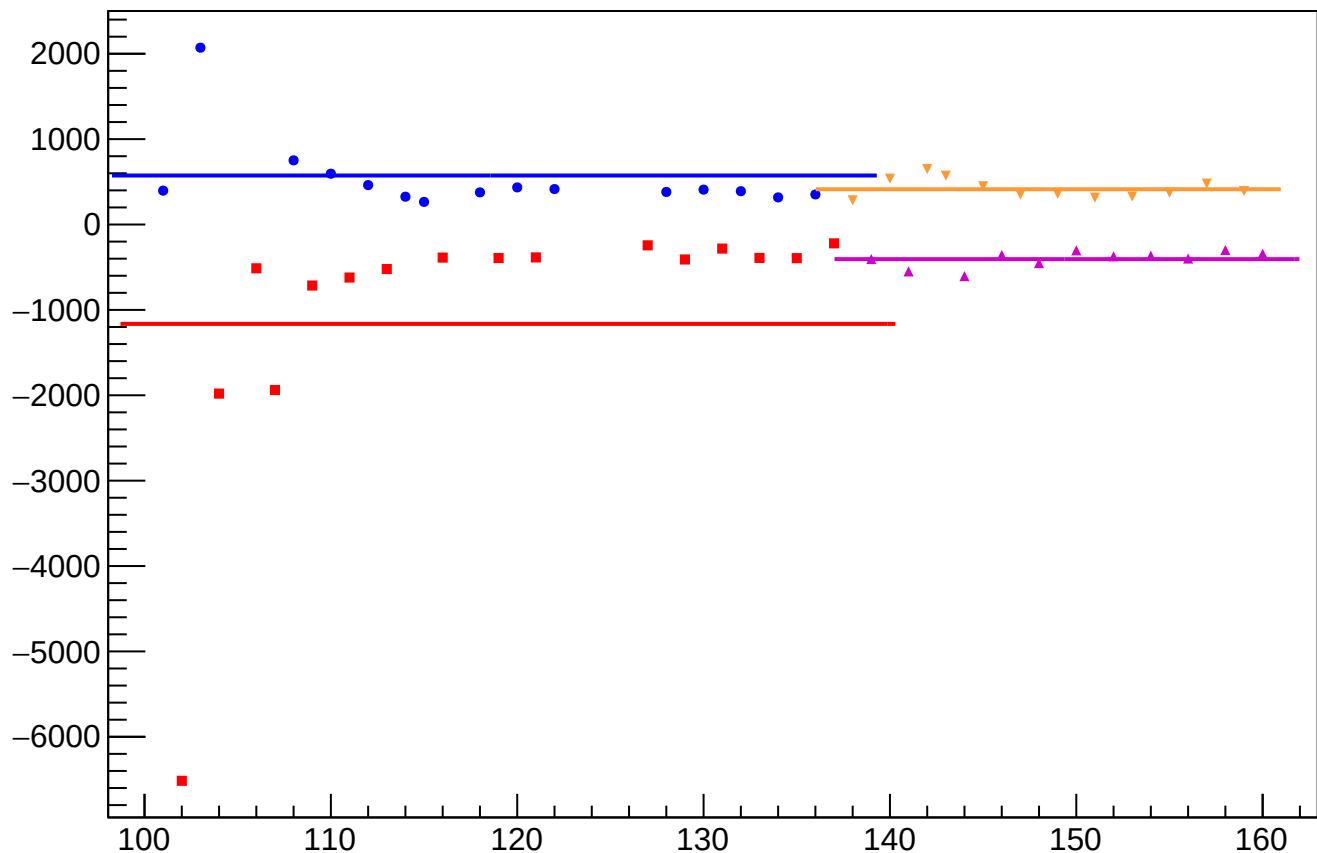
χ^2/NDF : 40822463071462352124212058386591729582080.0/15

Left In: 439.289+/-0.000

χ^2/NDF : 921031566733723872829454078558930468864.0/10

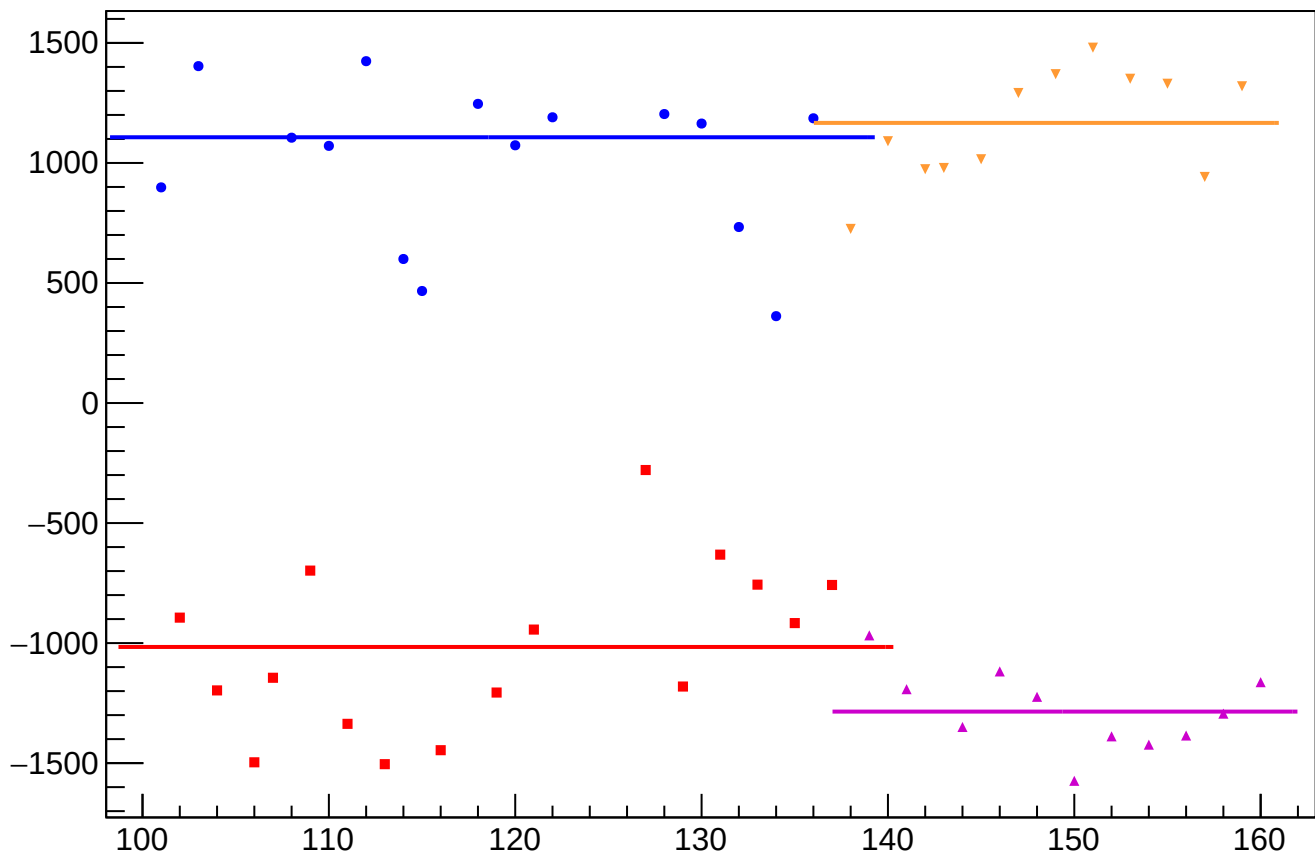
All: -211.749+/-0.000 χ^2/NDF : 97188137344

dit_atl1_coil4_err_mean vs Slug, Sign Corrected



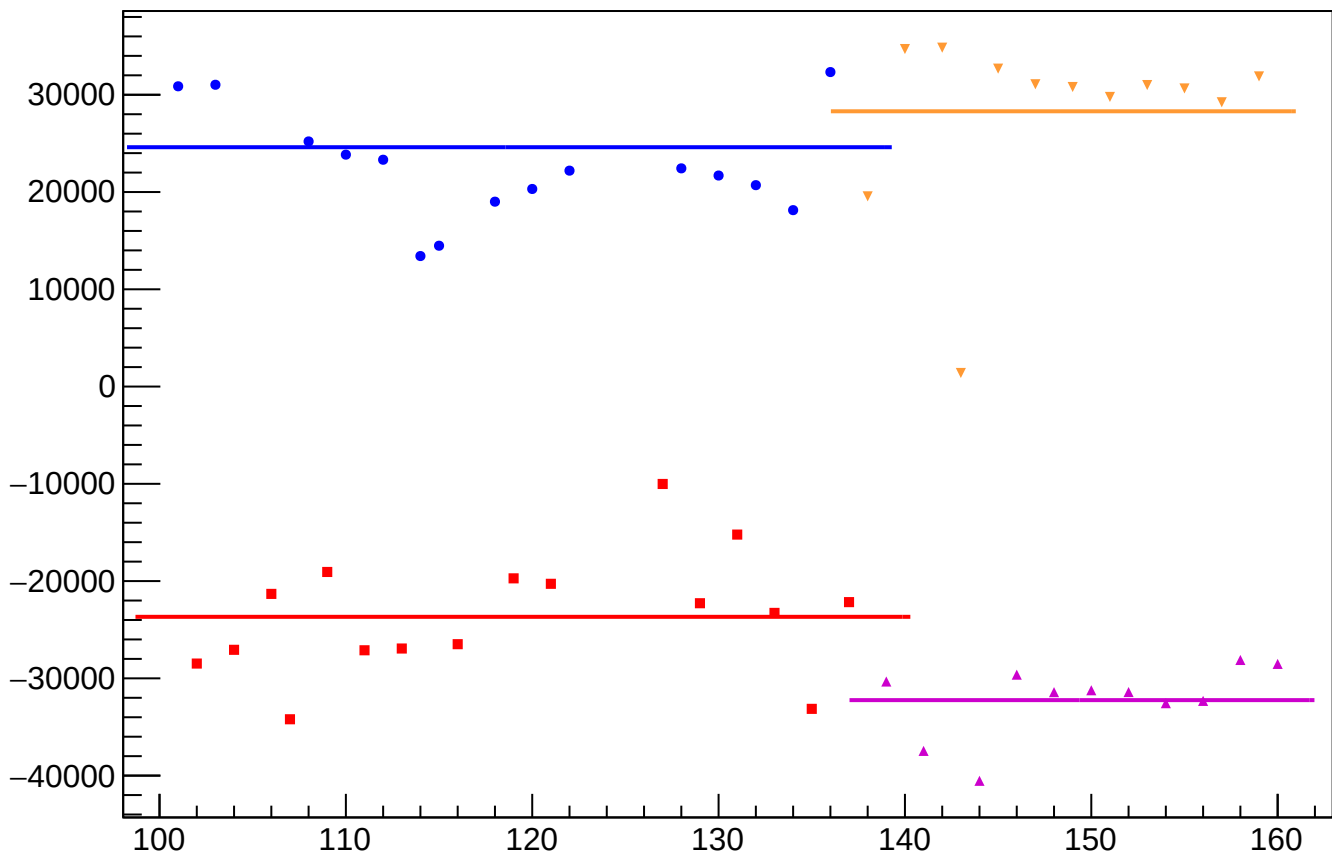
Right In: 574.055+/-0.000 χ^2/NDF : 152105229889160423018493709582390525952.0/14
 Left Out: 413.017+/-0.000 χ^2/NDF : 9379796802385704003508317238748774400.0/11
 Right Out: -1163.697+/-0.000 χ^2/NDF : 2003194396475465337190154787515183136768.0/15
 Left In: -405.371+/-0.000 χ^2/NDF : 8096374045117906535343483577494929408.0/10
 All: -127.041+/-0.000 χ^2/NDF : 35467372325

dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected



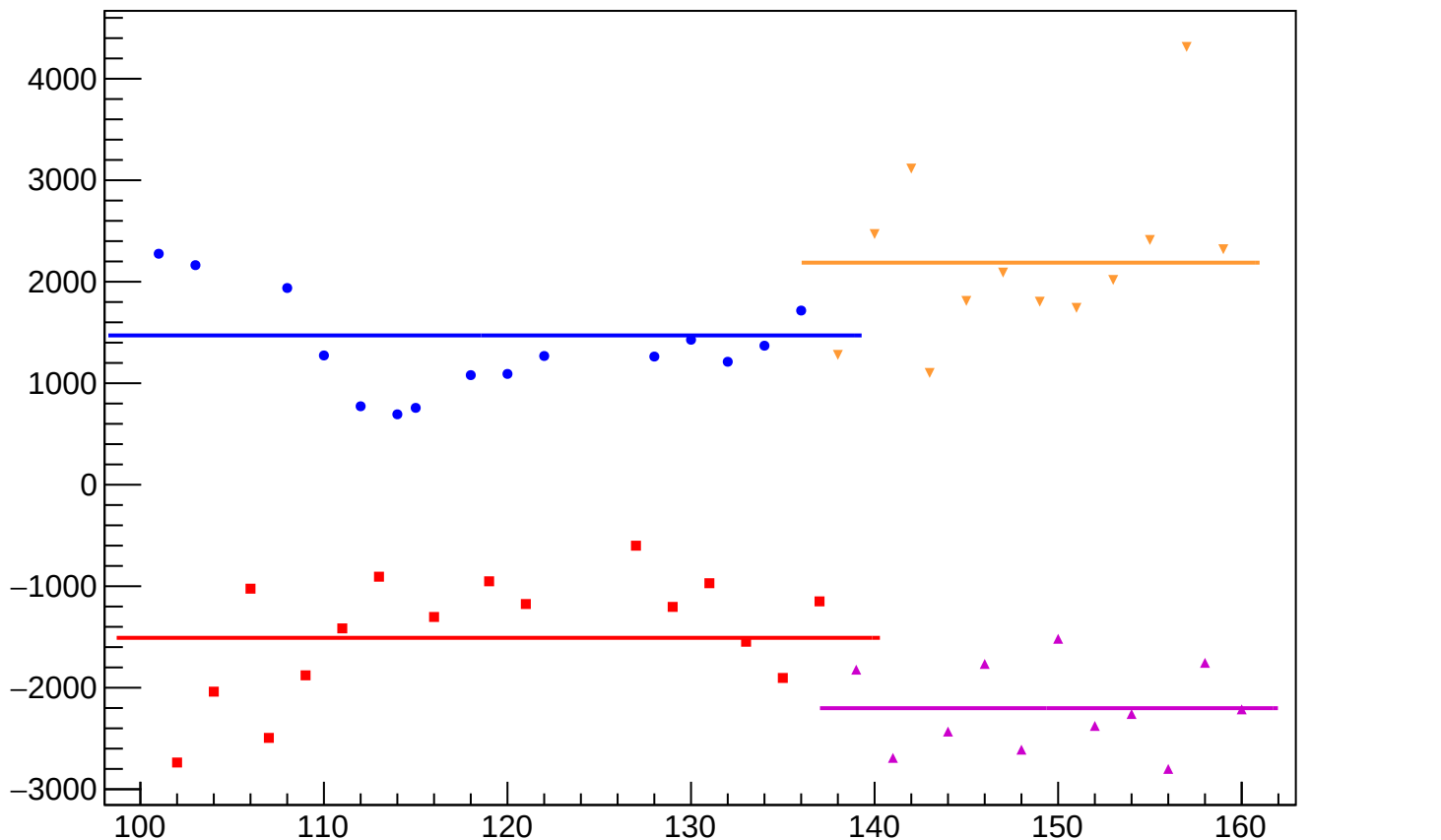
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_atl2_coil4_mean vs Slug, Sign Corrected



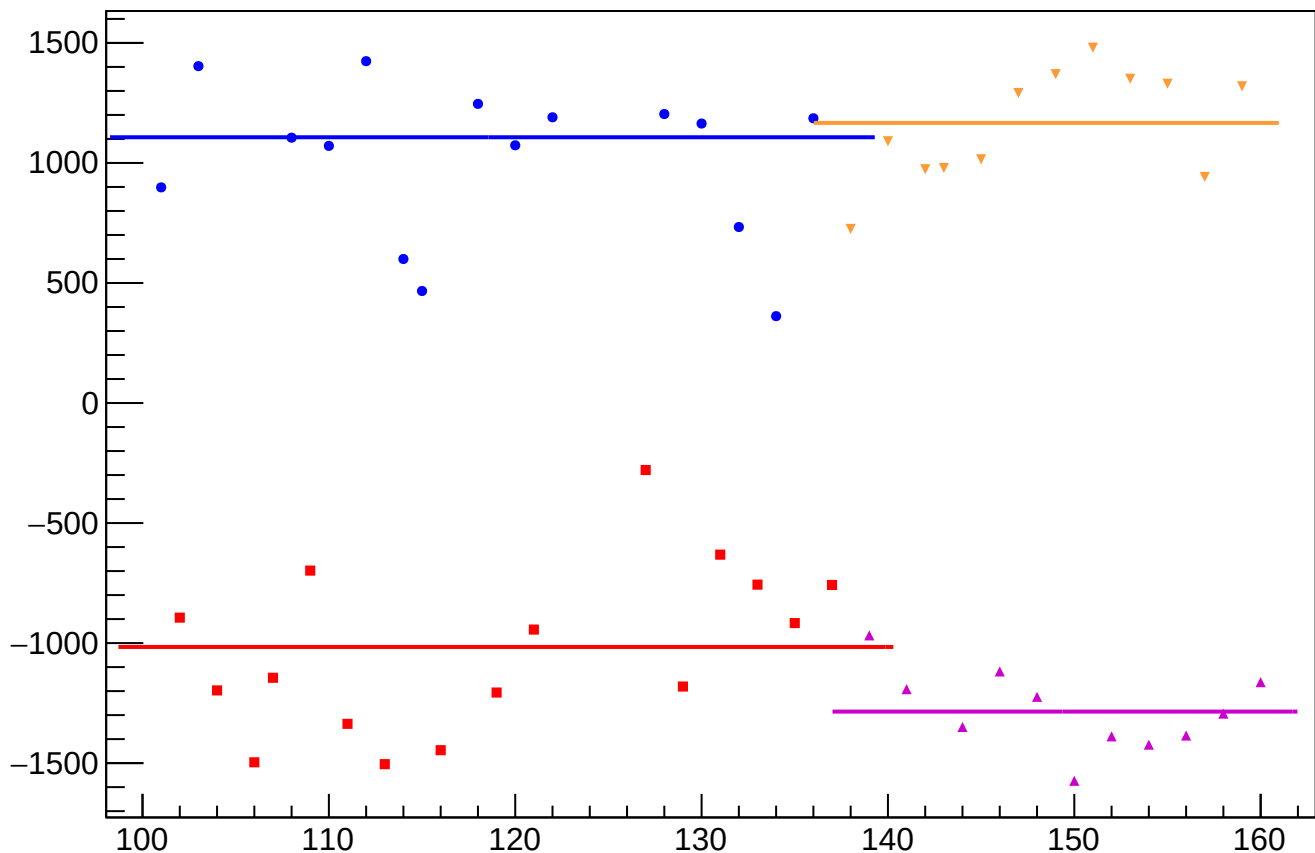
Right In: 24608.761+/-0.000 χ^2/NDF : 17555600427140701787636759084167268925440.0/14
 Left Out: 28302.359+/-0.000 χ^2/NDF : 64743960576526073147852789326823934656512.0/11
 Right Out: -23673.937+/-0.000 χ^2/NDF : 24824229344827567313624871677295341862912.0/15
 Left In: -32239.303+/-0.000 χ^2/NDF : 11931397875663177142812829998803541032960.0/10
 All: -1185.856+/-0.000 χ^2/NDF : 2573988051

dit_atl2_coil4_err_mean vs Slug, Sign Corrected



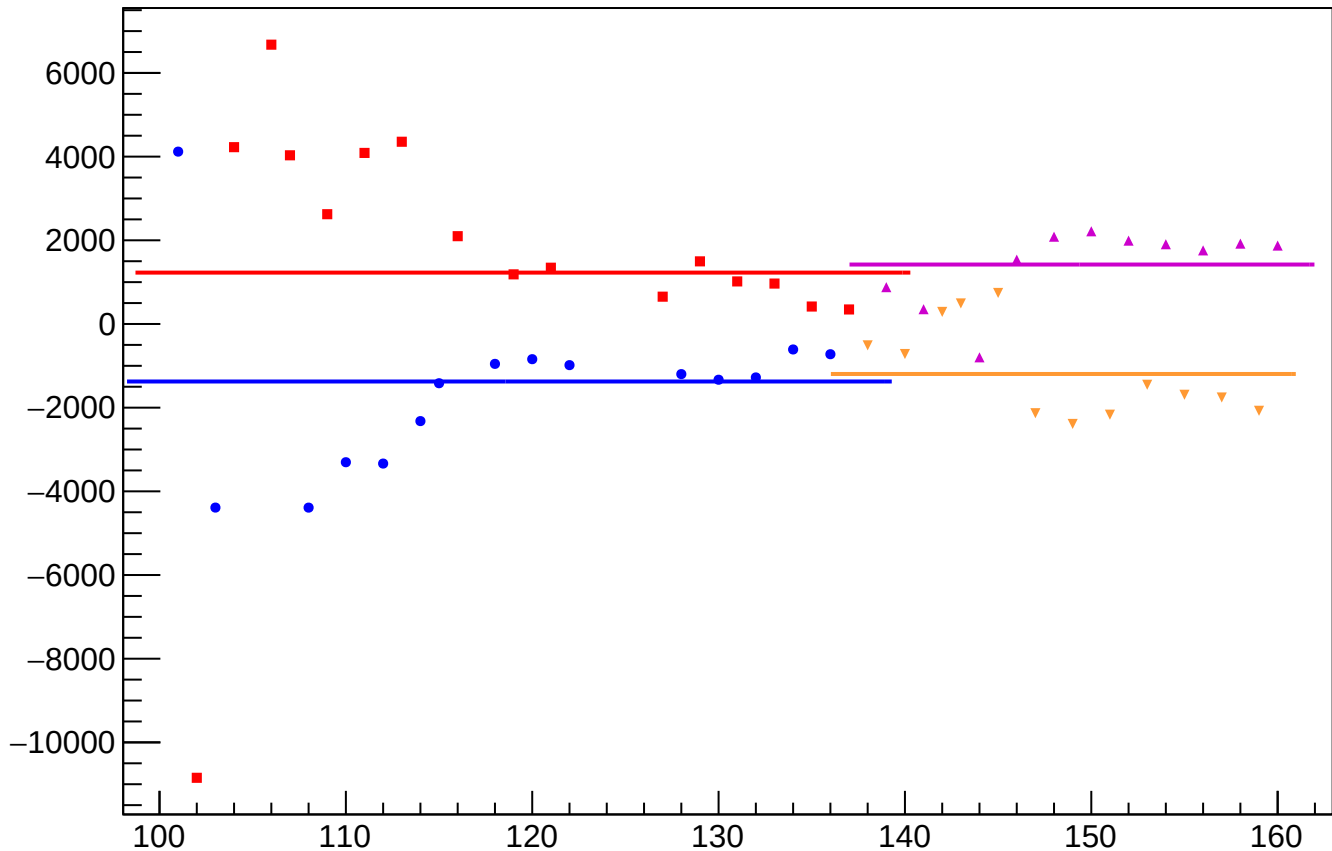
Left: -18.662 +/- 0.000 χ^2/NDF : 9604851757835687
 Right: -39.055 +/- 0.000 χ^2/NDF : 330947344548199
 In: -686.275 +/- 0.000 χ^2/NDF : 5438324784011715
 Out: 628.599 +/- 0.000 χ^2/NDF : 6113094829757836
 All: -27.171 +/- 0.000 χ^2/NDF : 129146441419

dit_atl2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_atr1_coil4_mean vs Slug, Sign Corrected



Right In: -1374.510+/-0.000

Left Out: -1194.978+/-0.000

Right Out: 1227.879+/-0.000

Left In: 1420.806+/-0.000

χ^2/NDF : 3072775774026573120755024580495322120192.0/14

χ^2/NDF : 1012982164343735644721296583058593415168.0/11

χ^2/NDF : 11115312999926623396466450218448622452736.0/15

χ^2/NDF : 747987085785920162637916932217361137664.0/10

Left: 120.030+/-0.000 χ^2/NDF : 4904926728039627

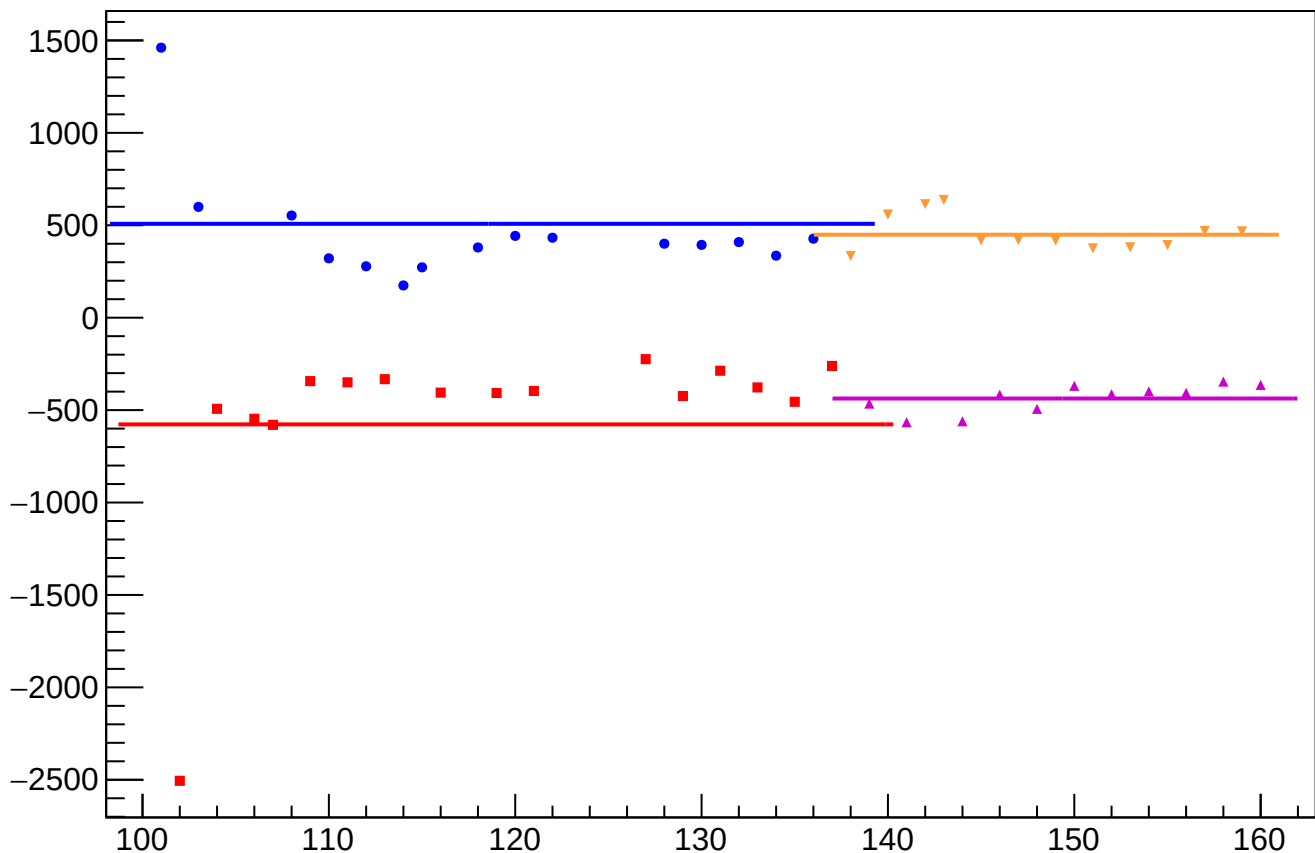
Right: -55.518+/-0.000 χ^2/NDF : 164158010761557

In: 267.494+/-0.000 χ^2/NDF : 67996212905624210

Out: -172.811+/-0.000 χ^2/NDF : 143918754957920

All: 46.783+/-0.000 χ^2/NDF : 2134436142325

dit_atr1_coil4_err_mean vs Slug, Sign Corrected



Right In: 507.809+/-0.000

χ^2/NDF : 64139927968444054596859613468220719104.0/14

Left Out: 448.905+/-0.000

χ^2/NDF : 6972444969041725929744111494148128768.0/11

Right Out: -577.250+/-0.000

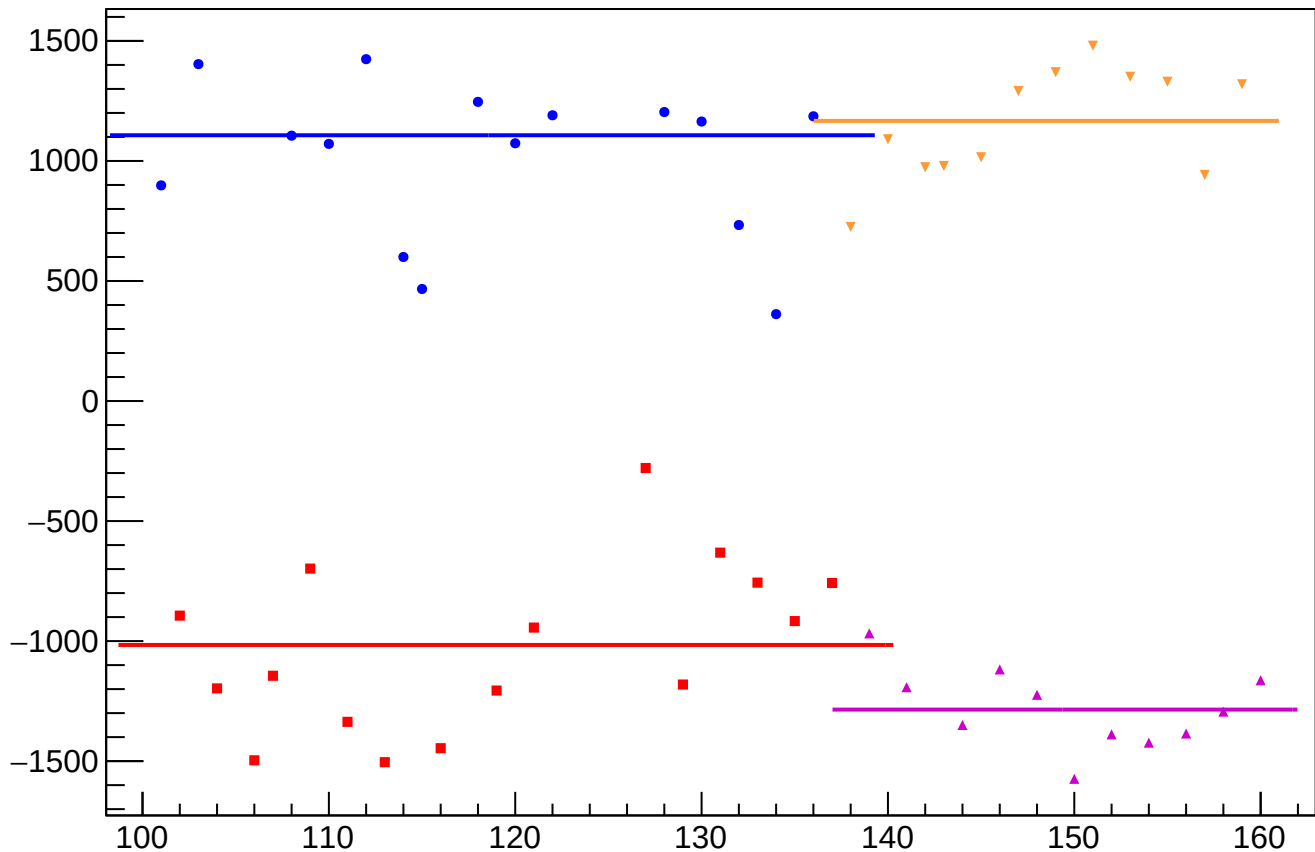
χ^2/NDF : 241288780642623391683958641535574081536.0/15

Left In: -437.315+/-0.000

χ^2/NDF : 4874677524968742275560761293986070528.0/10

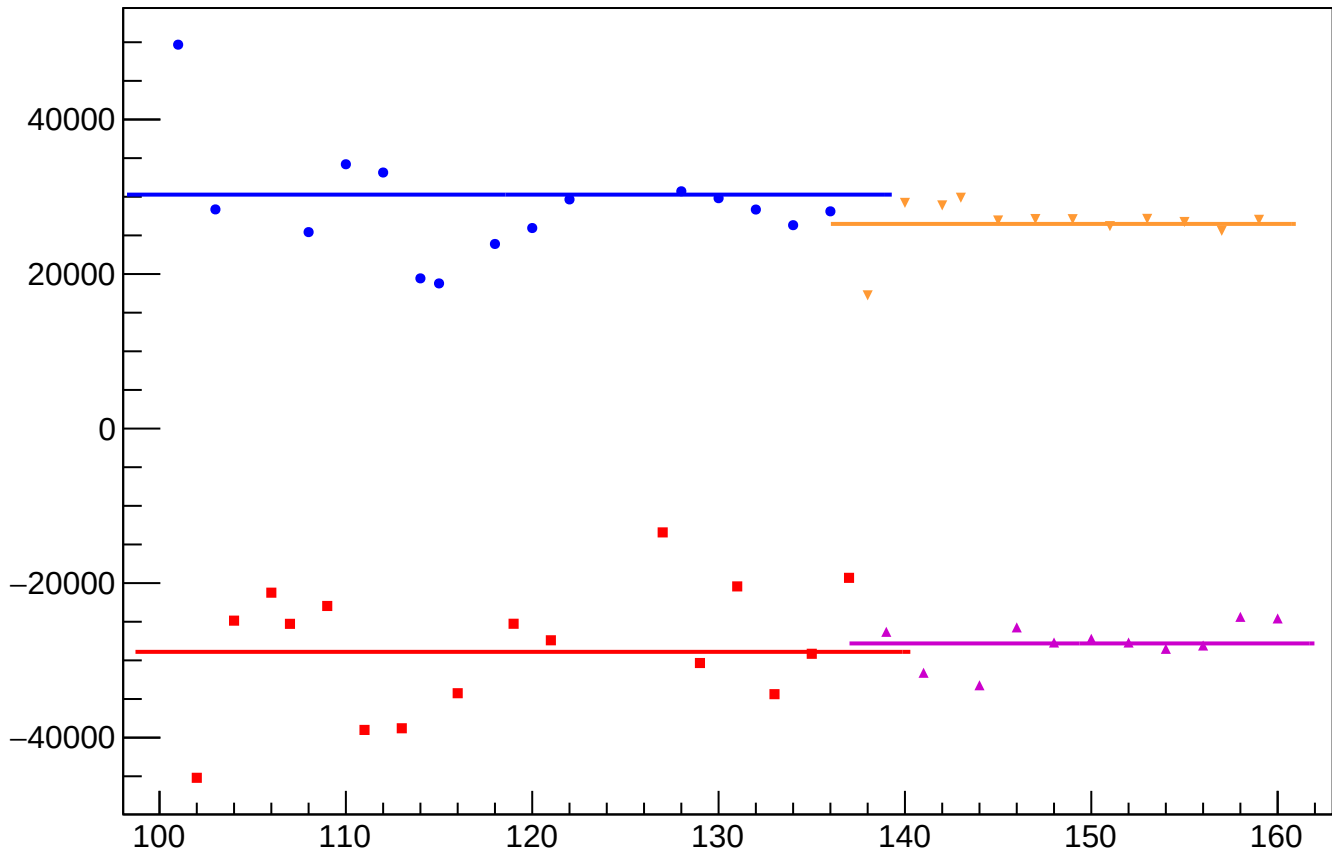
All: -15.611+/-0.000 χ^2/NDF : 106701634148

dit_atr1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 $\pm$ 0.000 χ^2 /NDF: 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2 /NDF: 24002572803732345959736048095514853376.0/10
 All: -25.499 $\pm$ 0.000 χ^2 /NDF: 443493791328

dit_atr2_coil4_mean vs Slug, Sign Corrected



Right In: 30277.649+/-0.000

χ^2/NDF : 30975974641524142453090022540760519278592.0/14

Left Out: 26486.725+/-0.000

χ^2/NDF : 8520993483340987429131750717035884052480.0/11

Right Out: -28896.318+/-0.000

χ^2/NDF : 46969504058010359146250560228409714147328.0/15

Left In: -27807.237+/-0.000

χ^2/NDF : 6193058620219899678835139815803642183680.0/10

Left: -807.954+/-0.000 χ^2/NDF : 136920382018106

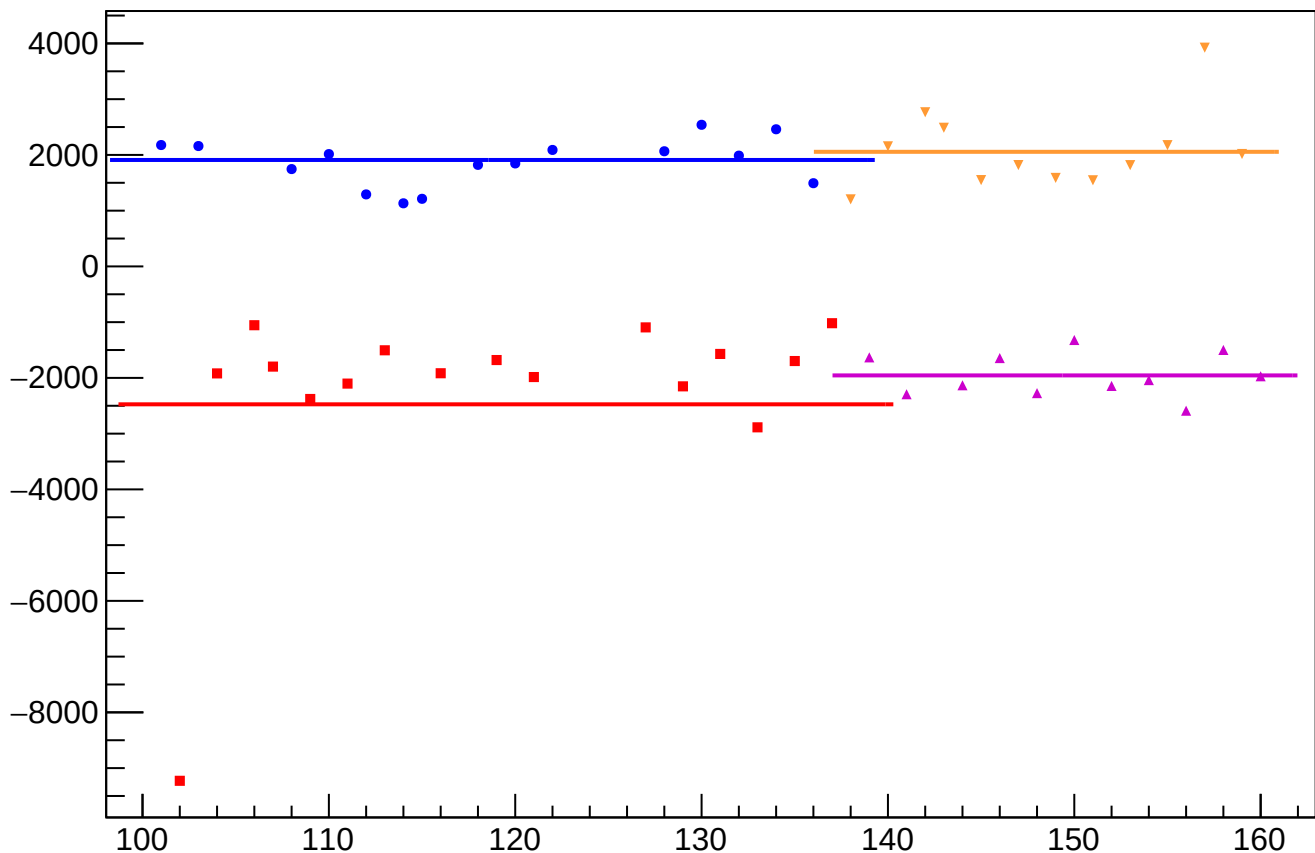
Right: 285.980+/-0.000 χ^2/NDF : 122974265906167

In: -3842.144+/-0.000 χ^2/NDF : 132338595511608

Out: 3121.457+/-0.000 χ^2/NDF : 123824278408227

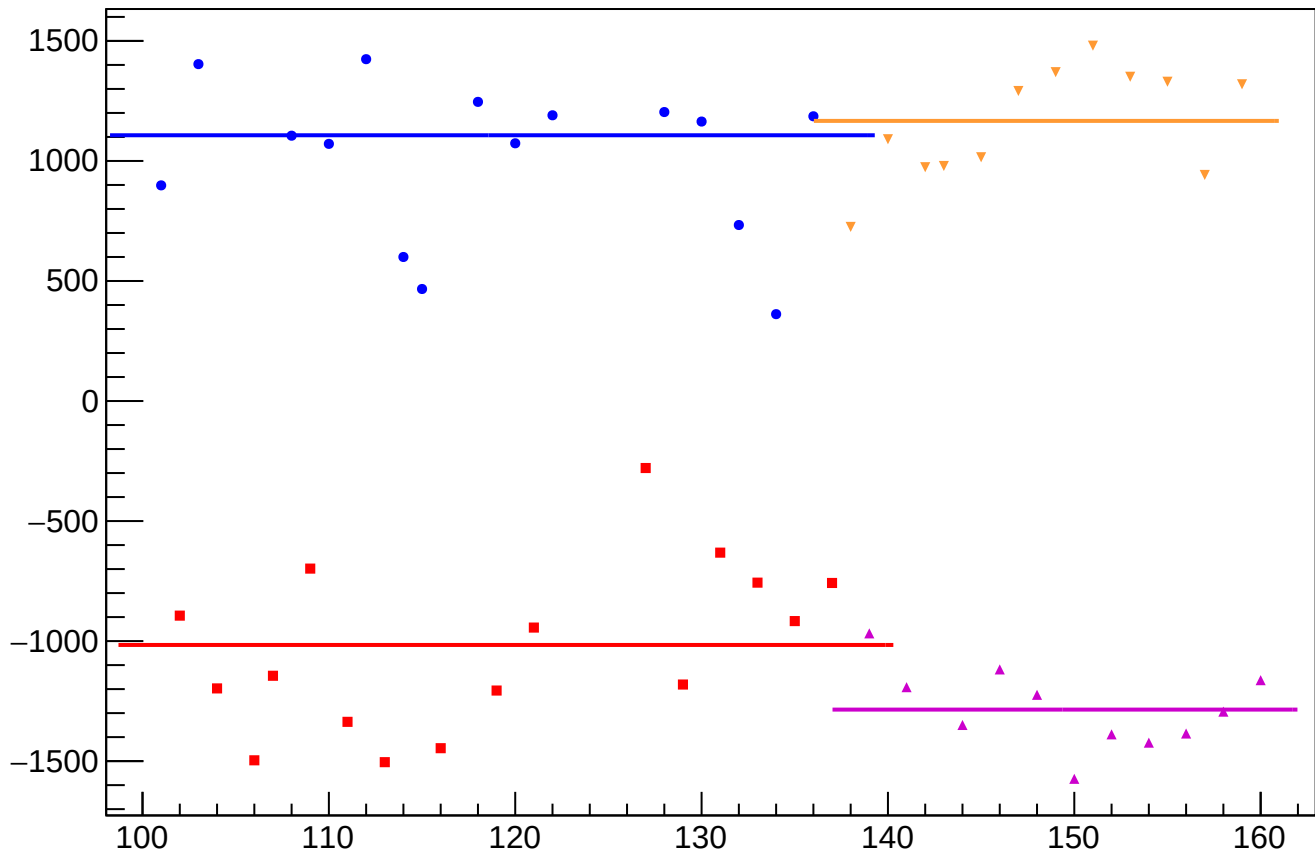
All: -351.512+/-0.000 χ^2/NDF : 25998642244

dit_atr2_coil4_err_mean vs Slug, Sign Corrected



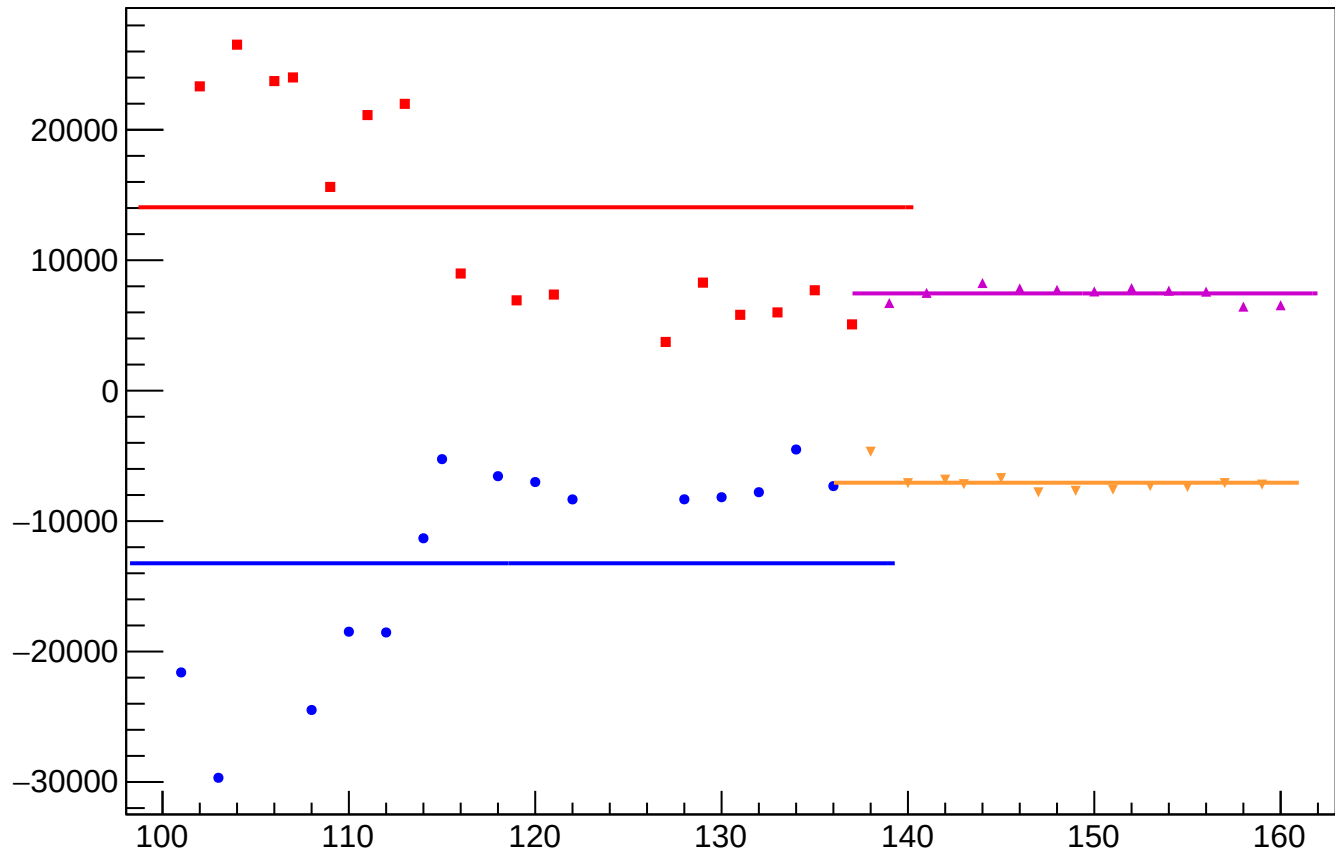
Right In: 1909.434+/-0.000 χ^2/NDF : 87636974094211671524177650165869445120.0/14
 Left Out: 2055.788+/-0.000 χ^2/NDF : 438010168588723075505721290768963862528.0/11
 Right Out: -2473.977+/-0.000 χ^2/NDF : 3033908025746418121738753286600386412544.0/15
 Left In: -1955.312+/-0.000 χ^2/NDF : 126909052383838166035294082177347616768.0/10
 All: -107.368+/-0.000 χ^2/NDF : 17494221106

dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected



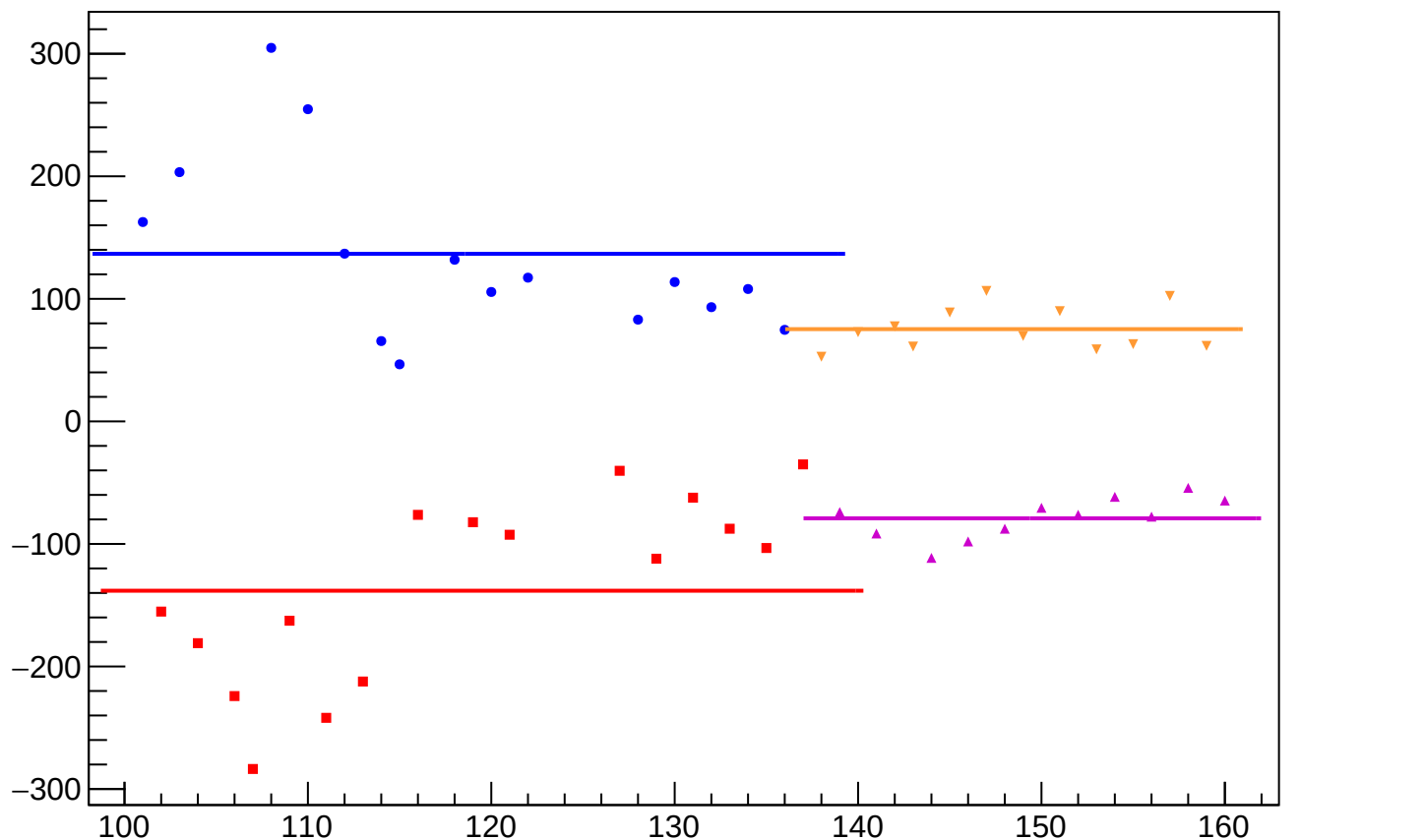
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_sam1_coil4_mean vs Slug, Sign Corrected



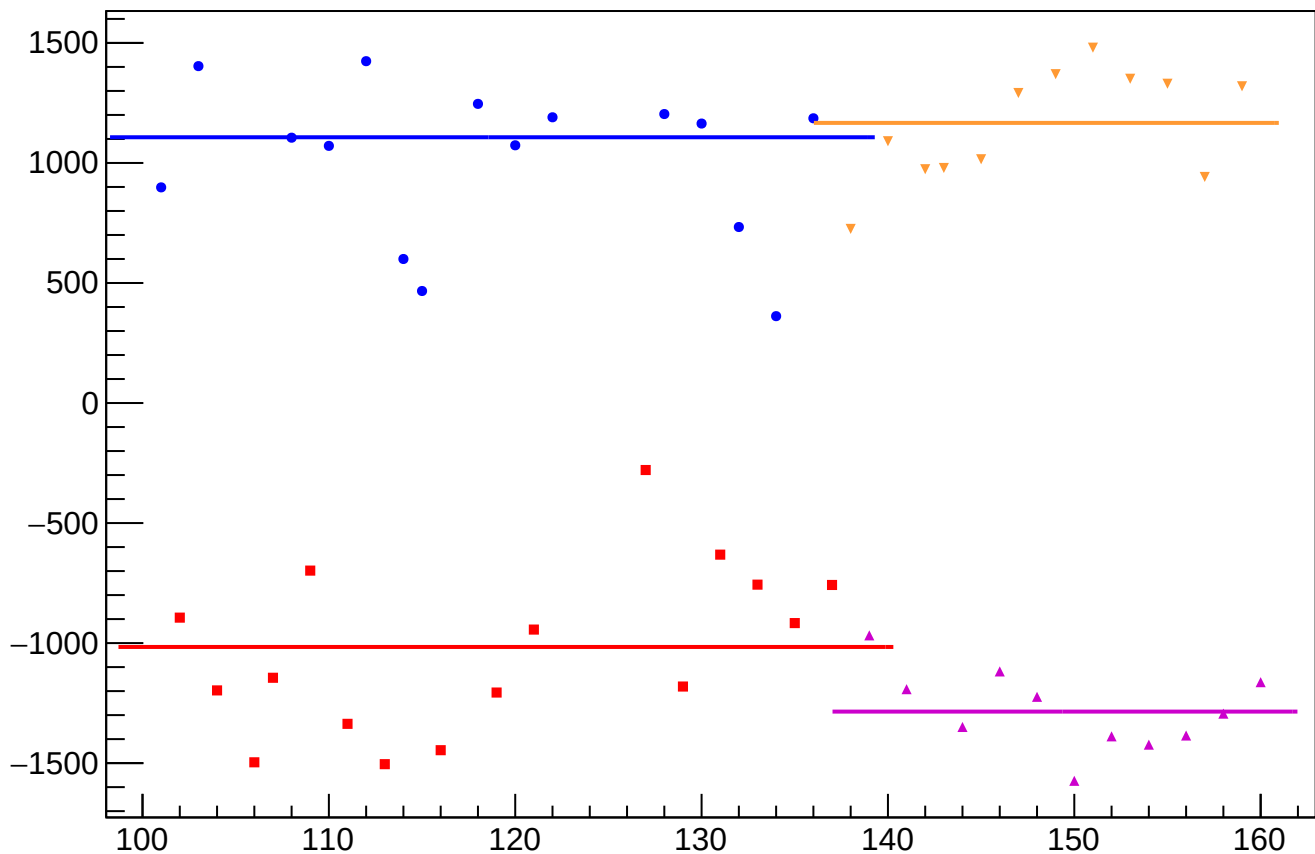
Left: 238.790+/-0.000 χ^2/NDF : 9764033800523105
 Right In: -13233.367+/-0.000 χ^2/NDF : 41257043836213043367596866559499640504320.0/14
 Right: 600.026+/-0.000 χ^2/NDF : 330784909470012
 Left Out: -7057.509+/-0.000 χ^2/NDF : 567022768290026836186795118569021505536.0/11
 In: -1080.099+/-0.000 χ^2/NDF : 204729341611961
 Right Out: 14060.103+/-0.000 χ^2/NDF : 44490594754280161766405556915711386845184.0/15
 Out: 1851.692+/-0.000 χ^2/NDF : 217018548162785
 Left In: 7456.124+/-0.000 χ^2/NDF : 284554324589778558842129447316923351040.0/10
 All: 389.515+/-0.000 χ^2/NDF : 428525321735

dit_sam1_coil4_err_mean vs Slug, Sign Corrected



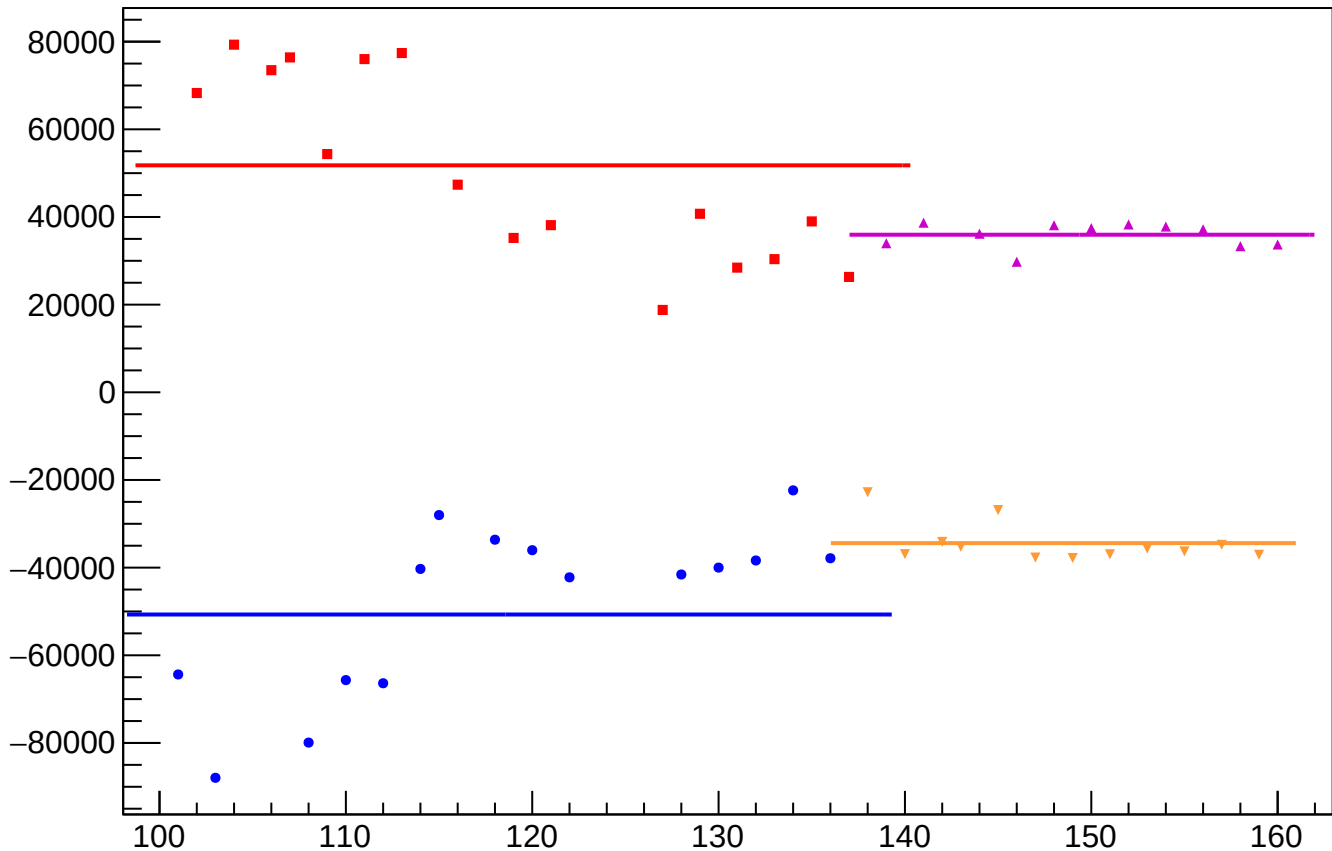
Left: -2.328 ± 0.000 , $\chi^2/\text{NDF}: 11465996409891891$
 Right: -2.614 ± 0.000 , $\chi^2/\text{NDF}: 3077400704218916$
 In: 9.943 ± 0.000 , $\chi^2/\text{NDF}: 2068596791154507163$
 Out: -14.775 ± 0.000 , $\chi^2/\text{NDF}: 2107233052694088$
 All: -2.448 ± 0.000 , $\chi^2/\text{NDF}: 4224006616846$

dit_sam1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 $\pm$ 0.000 χ^2 /NDF: 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2 /NDF: 24002572803732345959736048095514853376.0/10
 All: -25.499 $\pm$ 0.000 χ^2 /NDF: 443493791328

dit_sam2_coil4_mean vs Slug, Sign Corrected



Right In: -50695.424+/-0.000

Left Out: -34404.656+/-0.000

Right Out: 51783.912+/-0.000

Left In: 35949.660+/-0.000

χ^2/NDF : 226613585253908576683077761132188355526656.0/14

χ^2/NDF : 18820007226442898256054839449855820038144.0/11

χ^2/NDF : 281789617729131996271154198472617478848512.0/15

χ^2/NDF : 6535777806152232441815832130596699635712.0/10

Left: 963.890+/-0.000 χ^2/NDF : 2299689310411856

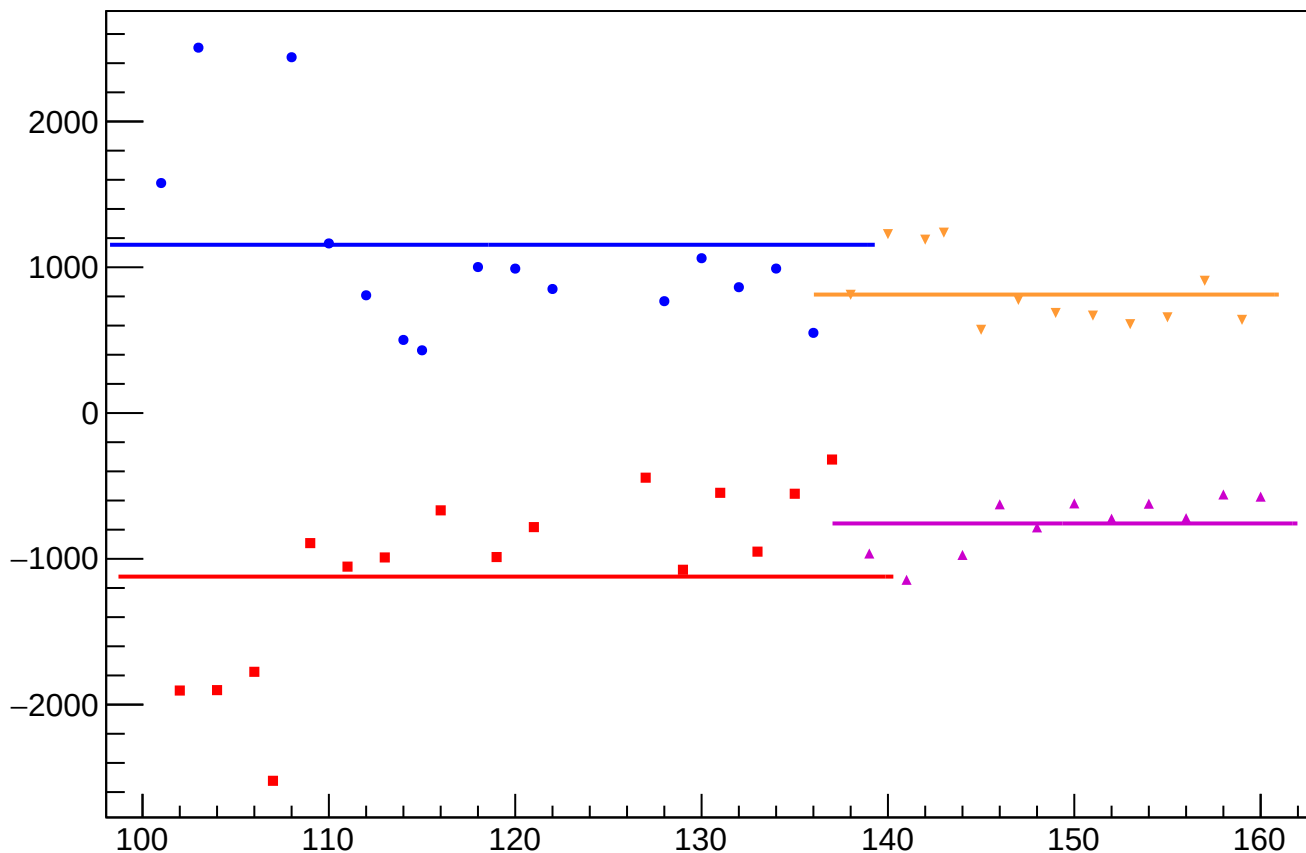
Right: 1245.090+/-0.000 χ^2/NDF : 39629195371379

In: 200.989+/-0.000 χ^2/NDF : 309519005844449410

Out: 1956.998+/-0.000 χ^2/NDF : 316504805338211

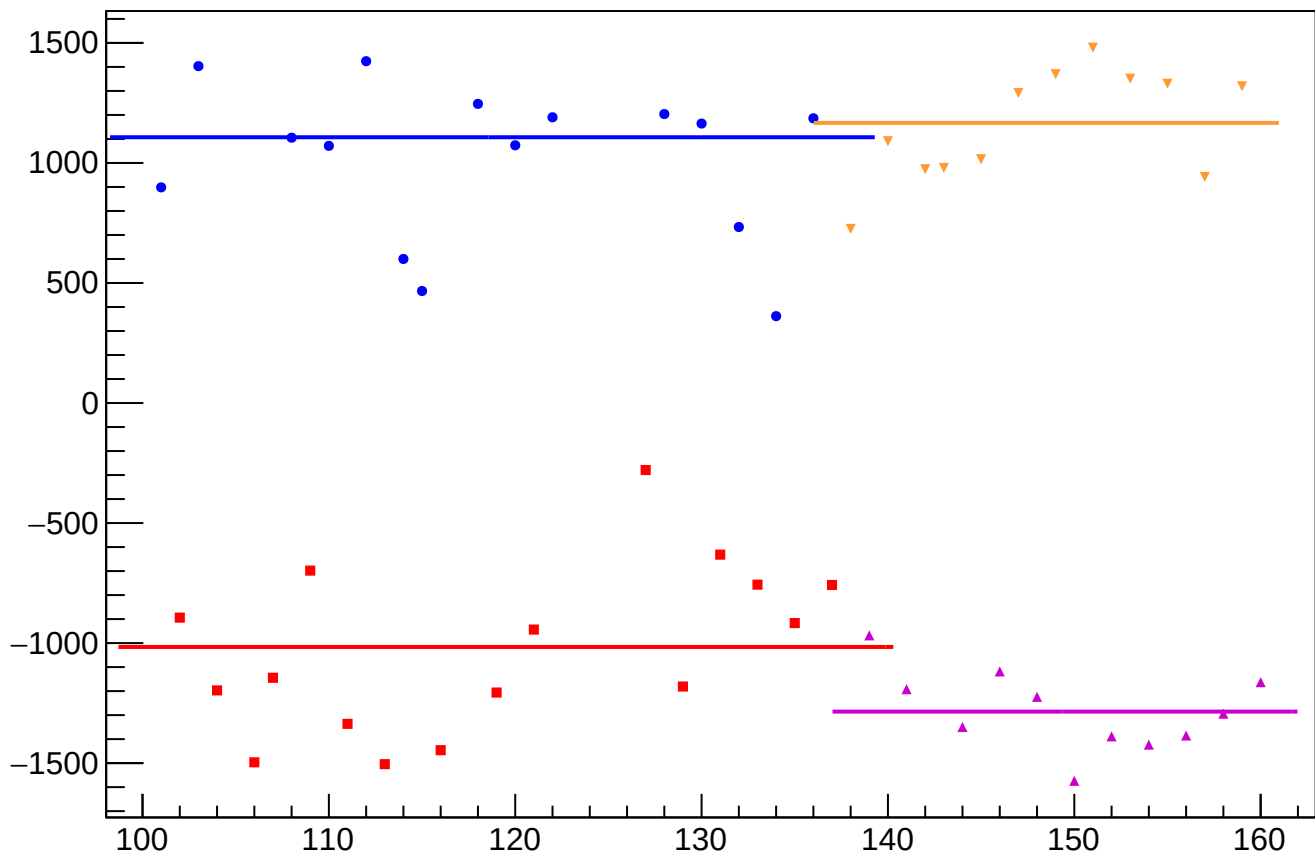
All: 1081.220+/-0.000 χ^2/NDF : 6262669489

dit_sam2_coil4_err_mean vs Slug, Sign Corrected



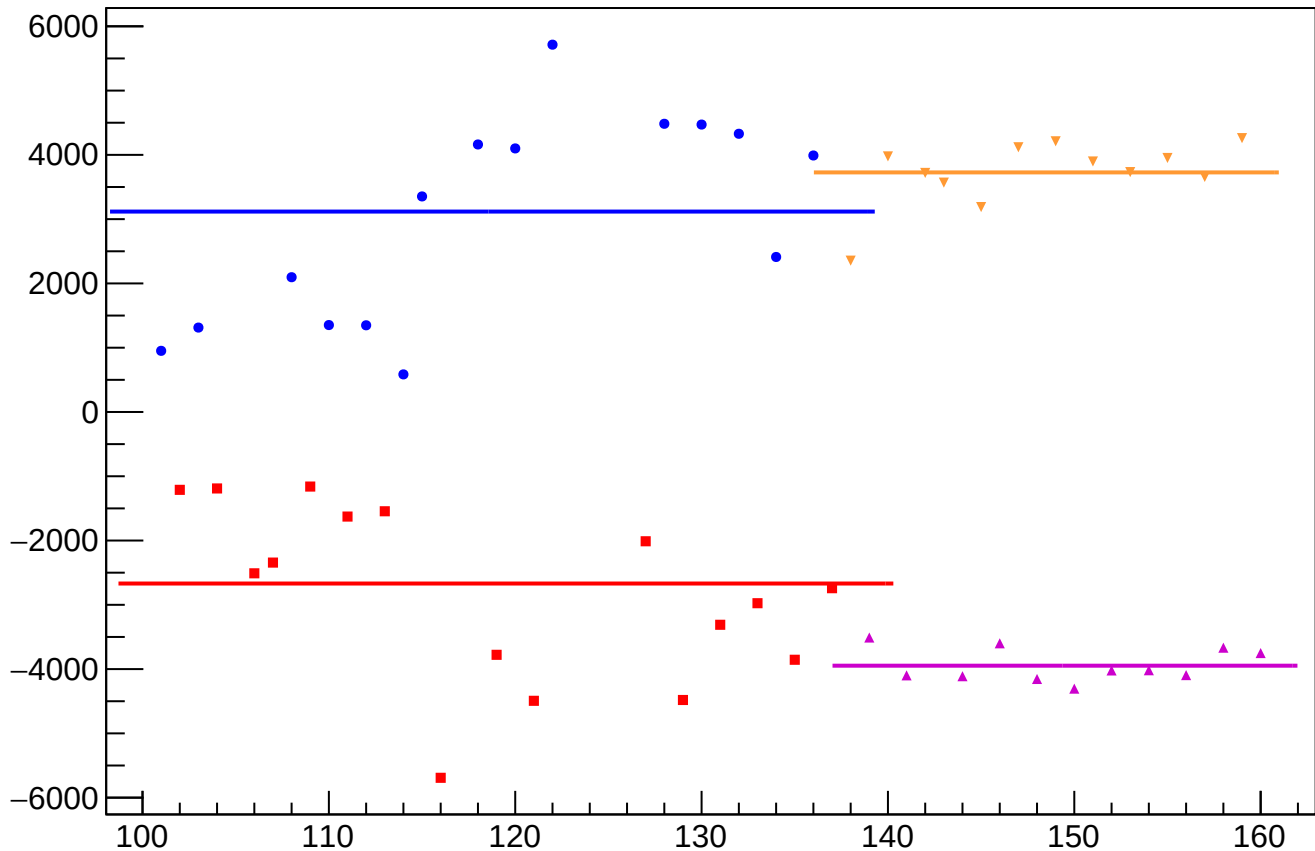
Left: 23.438+/-0.000 χ^2/NDF : 12126636203520677
 Right In: 1154.331+/-0.000 χ^2/NDF : 249270472563470703232737910394663731200.0/14
 Right: 0.631+/-0.000 χ^2/NDF : 21797856278979973
 Left Out: 812.768+/-0.000 χ^2/NDF : 48869150953187834312923483015749828608.0/11
 In: 31.386+/-0.000 χ^2/NDF : 167352264529272497
 Right Out: -1121.934+/-0.000 χ^2/NDF : 226159335639567338179811644002797617152.0/15
 Out: -3.453+/-0.000 χ^2/NDF : 17183684725504016
 Left In: -757.349+/-0.000 χ^2/NDF : 31036557490853362173363612241828511744.0/10
 All: 13.922+/-0.000 χ^2/NDF : 3392848168342

dit_sam2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam3_coil4_mean vs Slug, Sign Corrected



Right In: 3117.914 $\pm$ 0.000

χ^2/NDF : 1552738593335565674554918493159210090496.0/14

Left Out: 3727.095 $\pm$ 0.000

χ^2/NDF : 237477678561542860292825834329185714176.0/11

Right Out: -2668.794 $\pm$ 0.000

χ^2/NDF : 1136406286131098596000054422131257114624.0/15

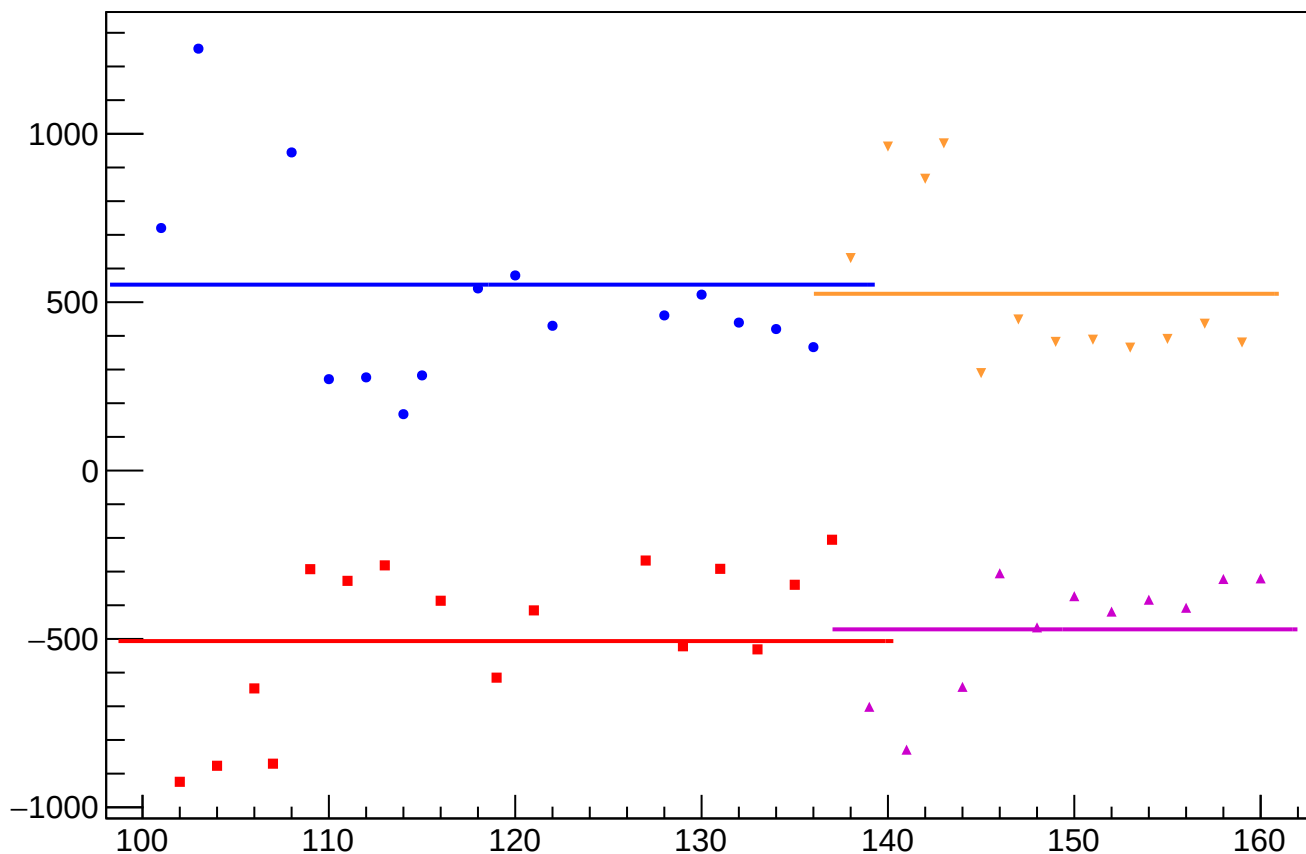
Left In: -3947.046 $\pm$ 0.000

χ^2/NDF : 56963661018859057070812095134472077312.0/10

All: 0.930 $\pm$ 0.000

χ^2/NDF : 41135190376945

dit_sam3_coil4_err_mean vs Slug, Sign Corrected



Right In: 552.108+/-0.000 χ^2/NDF : 50739041741159119848523988236001869824.0/14

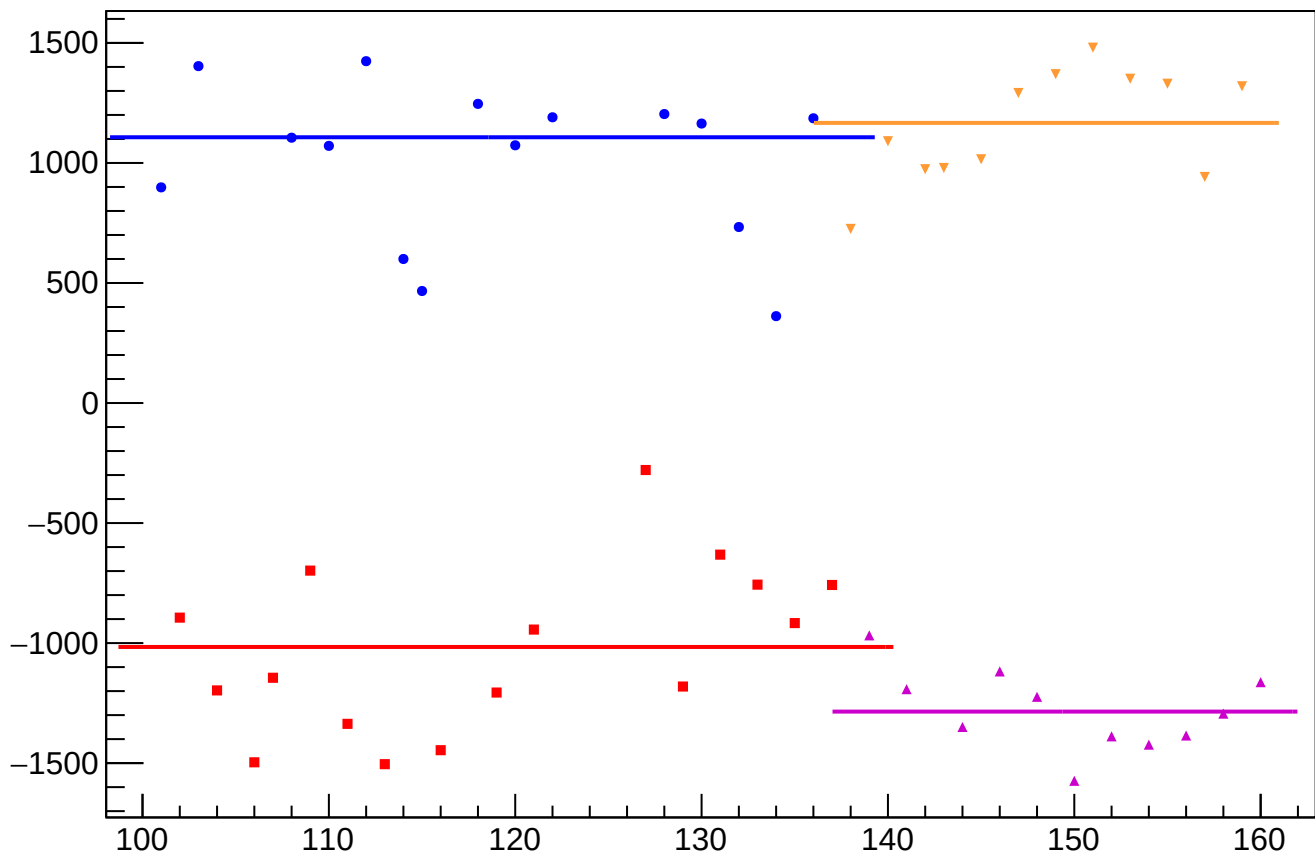
Left Out: 524.984+/-0.000 χ^2/NDF : 49120612413638370088062361036096798720.0/11

Right Out: -506.345+/-0.000 χ^2/NDF : 37181653297314883501659131806010572800.0/15

Left In: -471.540+/-0.000 χ^2/NDF : 25680884477827715914944205366363160576.0/10

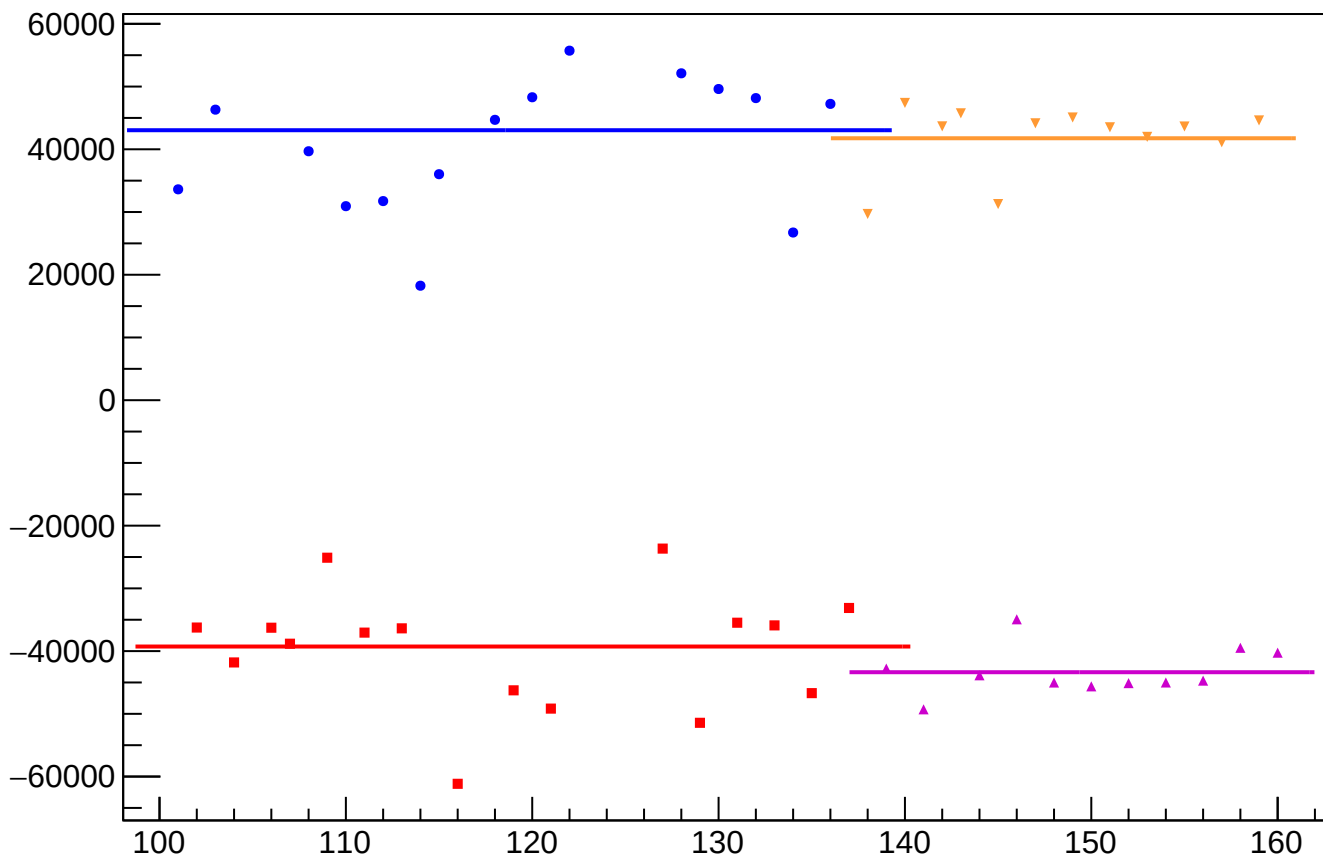
All: 20.520+/-0.000 χ^2/NDF : 9875911626514

dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_sam4_coil4_mean vs Slug, Sign Corrected



Right In: 43039.927+/-0.000

χ^2/NDF : 48397052922561722652666786407552179503104.0/14

Left Out: 41759.238+/-0.000

χ^2/NDF : 26338532629522543185974017898719754584064.0/11

Right Out: -39269.627+/-0.000

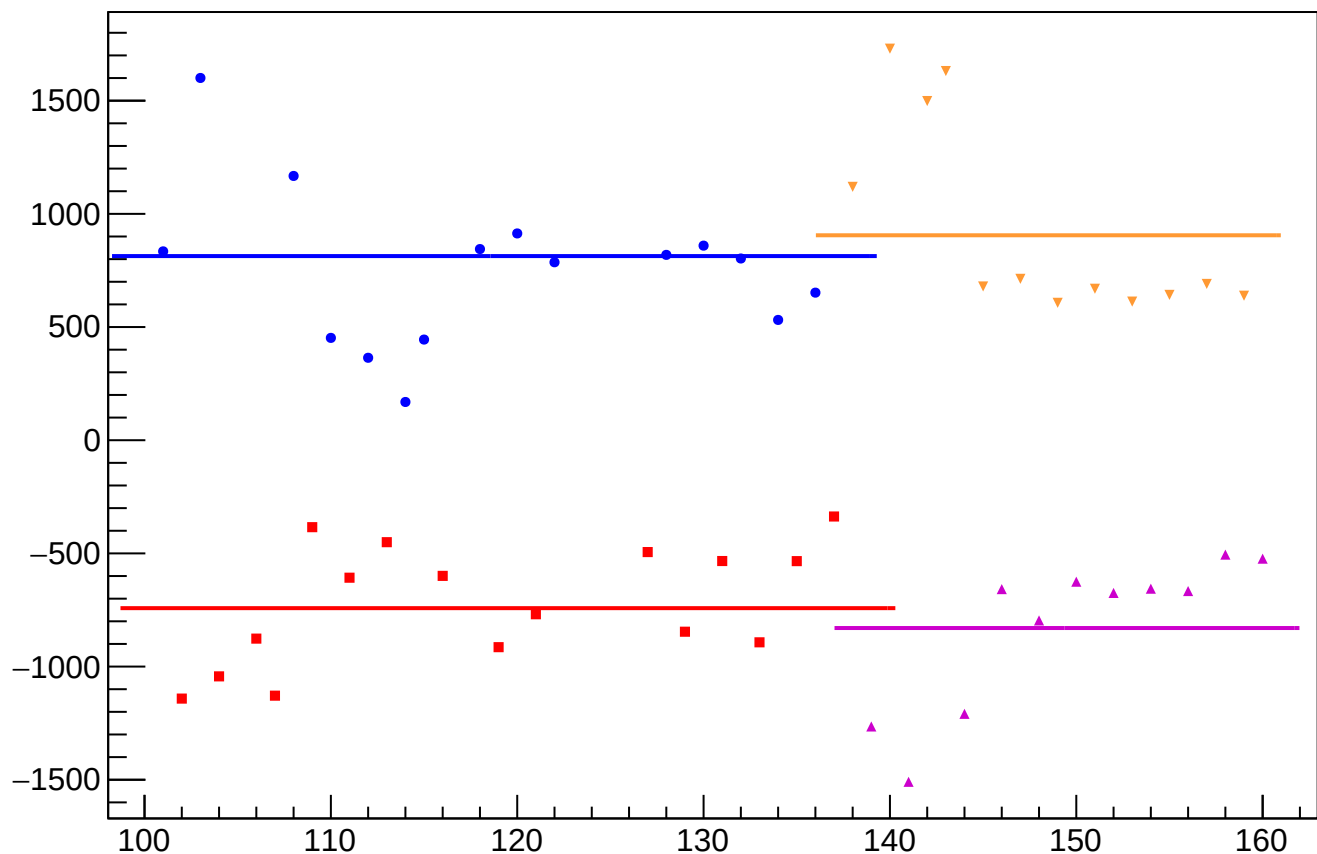
χ^2/NDF : 51873036517757666237545716605051585167360.0/15

Left In: -43364.892+/-0.000

χ^2/NDF : 12209695723681592241000188414954802511872.0/10

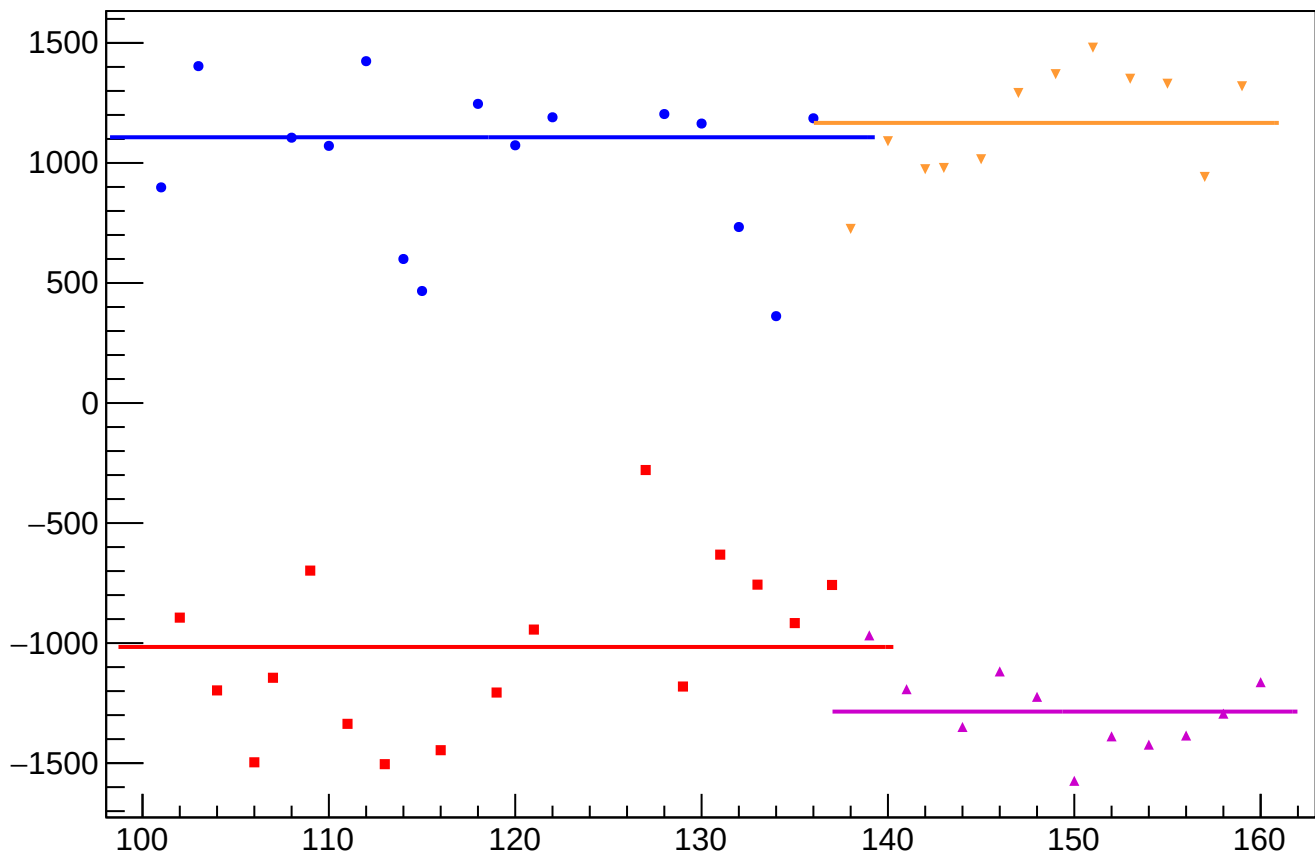
All: -51.092+/-0.000 χ^2/NDF : 570108278214

dit_sam4_coil4_err_mean vs Slug, Sign Corrected



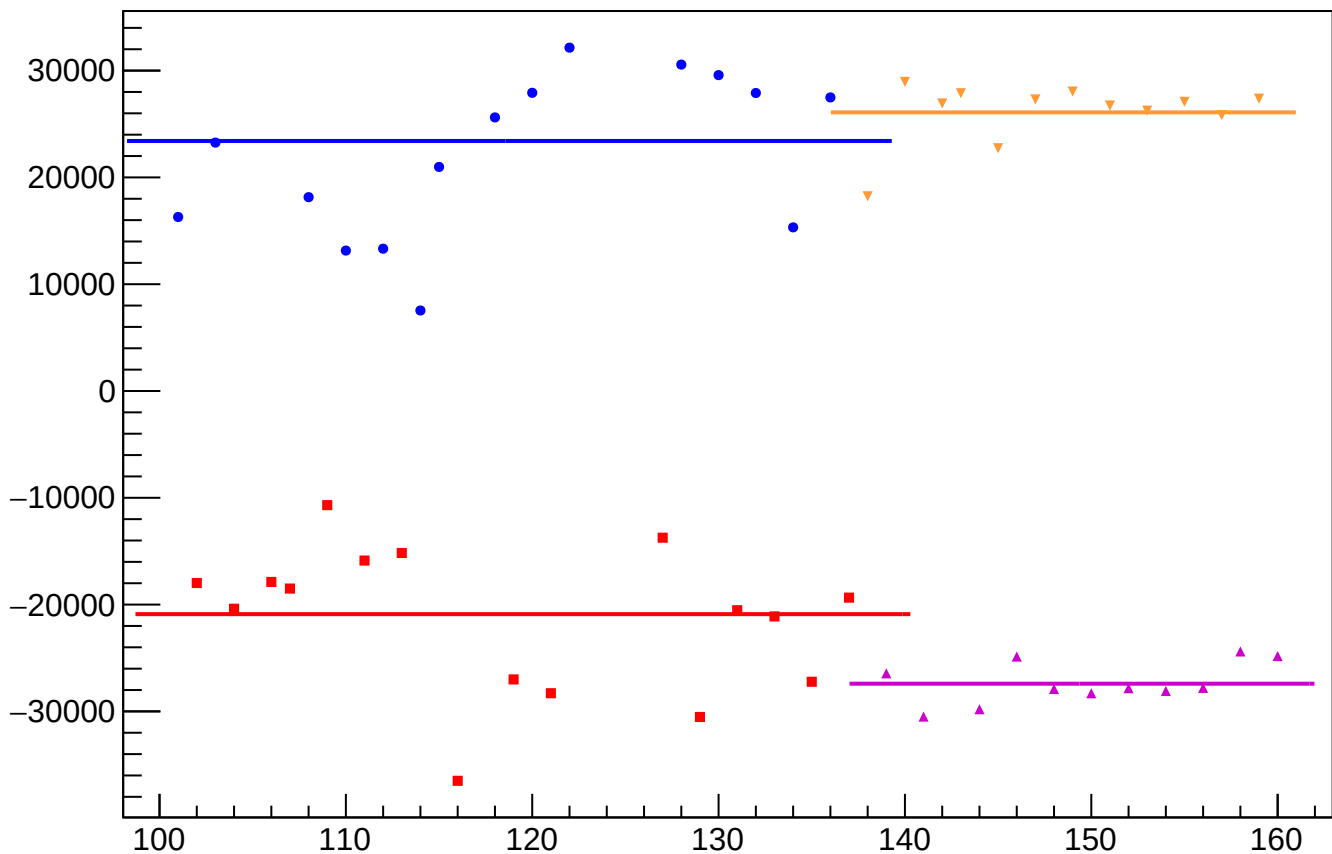
Right In: 813.500+/-0.000 χ^2/NDF : 67120916816548237638948787518351343616.0/14
 Left Out: 905.383+/-0.000 χ^2/NDF : 151600119297269061553878773288042233856.0/11
 Right Out: -741.911+/-0.000 χ^2/NDF : 44074134397215409235604746432671645696.0/15
 Left In: -829.715+/-0.000 χ^2/NDF : 96077836071623048341749512260917657600.0/10
 All: 29.794+/-0.000 χ^2/NDF : 2538038020154

dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected



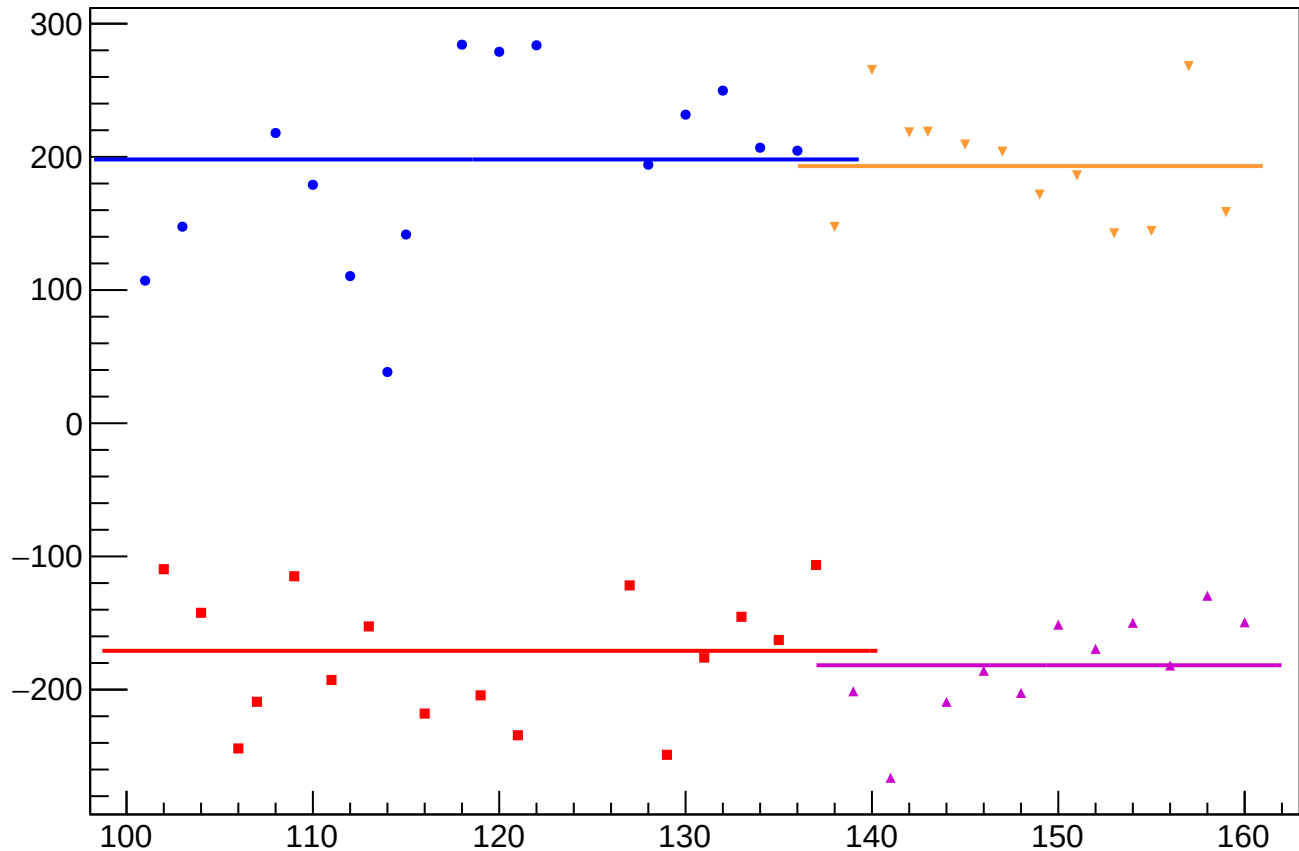
Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 $\pm$ 0.000 χ^2 /NDF: 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2 /NDF: 24002572803732345959736048095514853376.0/10
 All: -25.499 $\pm$ 0.000 χ^2 /NDF: 443493791328

dit_sam5_coil4_mean vs Slug, Sign Corrected



Right In: 23411.506+/-0.000 χ^2/NDF : 28427457471780319352885746571315708428288.0/14
 Left Out: 26089.435+/-0.000 χ^2/NDF : 7297474697325231234633060364075485102080.0/11
 Right Out: -20894.122+/-0.000 χ^2/NDF : 27408965804578649107002909409987218374656.0/15
 Left In: -27407.255+/-0.000 χ^2/NDF : 3322659858866093858426557456838465421312.0/10
 All: -70.029+/-0.000 χ^2/NDF : 202953713345

dit_sam5_coil4_err_mean vs Slug, Sign Corrected



Right In: 198.056 +/- 0.000

χ^2/NDF : 2482928792293864415922382990034862080.0/14

Left Out: 193.084 +/- 0.000

χ^2/NDF : 1682749705439949881122511912389574656.0/11

Right Out: -170.851 +/- 0.000

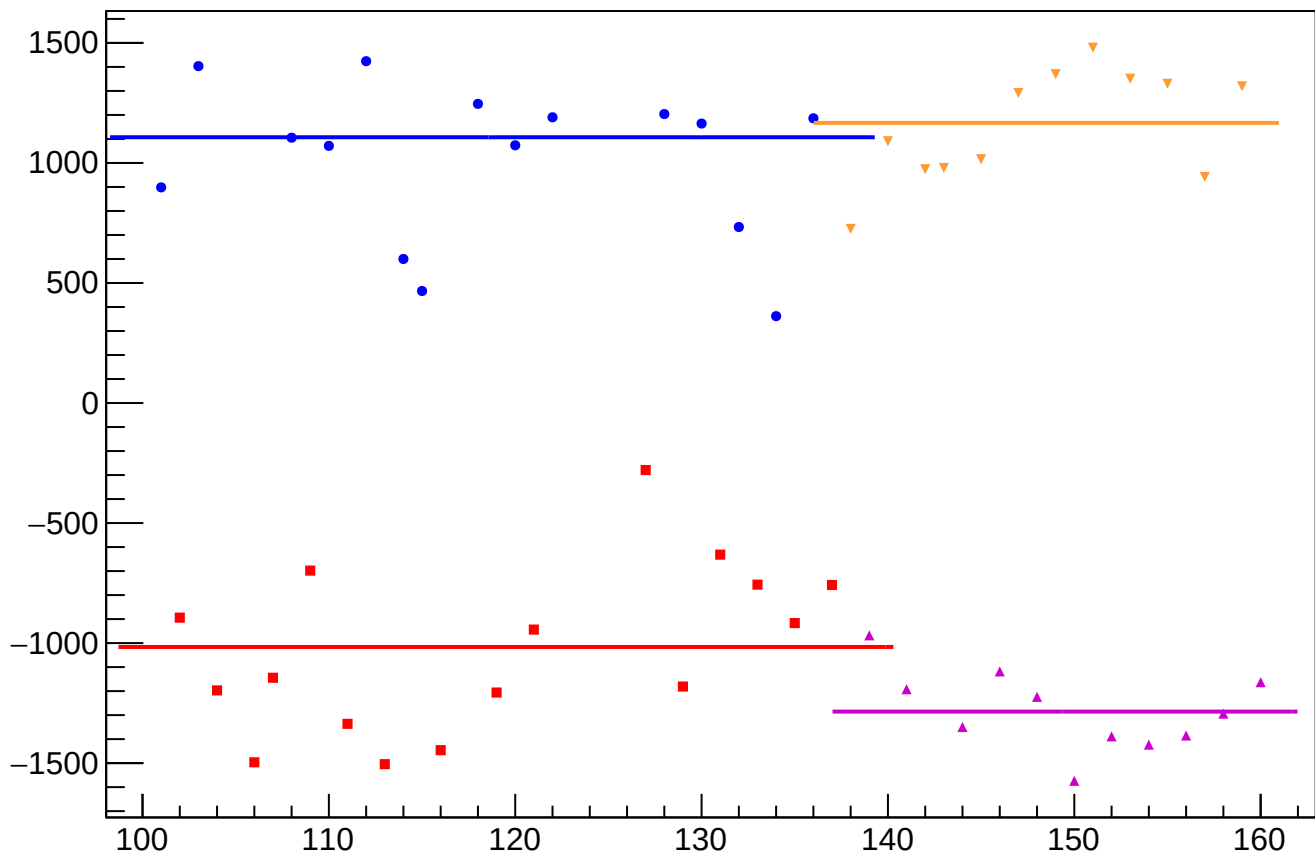
χ^2/NDF : 1418314816915016425155520631536615424.0/15

Left In: -181.711 +/- 0.000

χ^2/NDF : 1228549704796737698218369408017891328.0/10

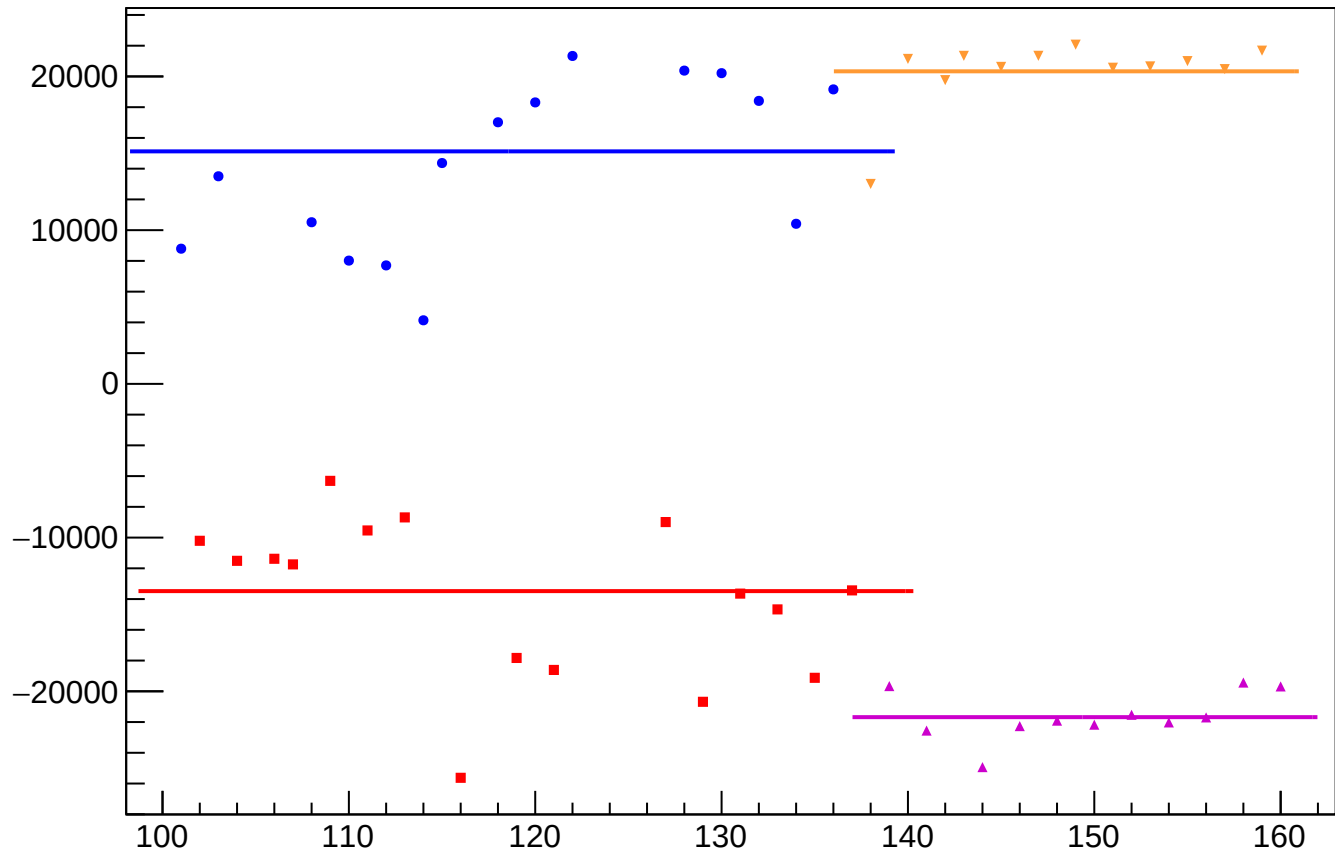
All: 7.342 +/- 0.000 χ^2/NDF : 11615483338933

dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected



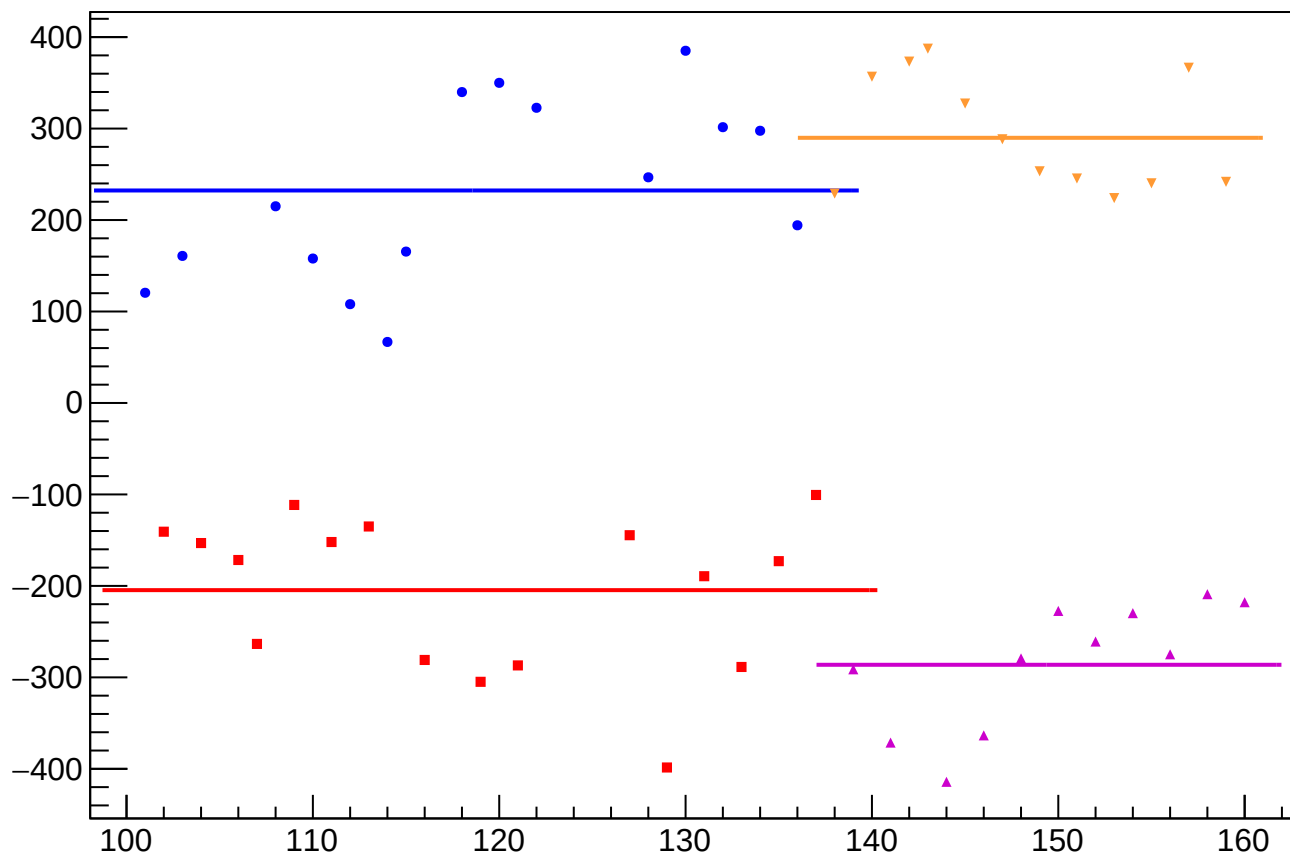
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam6_coil4_mean vs Slug, Sign Corrected



Right In: 15125.834 $\pm$ 0.000 χ^2 /NDF: 16615438767664069151744668380763246297088.0/14
 Left Out: 20333.061 $\pm$ 0.000 χ^2 /NDF: 4855949225776942763226853940369054236672.0/11
 Right Out: -13482.244 $\pm$ 0.000 χ^2 /NDF: 15910426475407825250252248749810022088704.0/15
 Left In: -21681.241 $\pm$ 0.000 χ^2 /NDF: 2108874573649202621711530332866310307840.0/10
 All: -198.174 $\pm$ 0.000 χ^2 /NDF: 11213217633

dit_sam6_coil4_err_mean vs Slug, Sign Corrected



Right In: 232.312 $\pm$ 0.000 χ^2 /NDF: 5478184144885833956204804001180418048.0/14

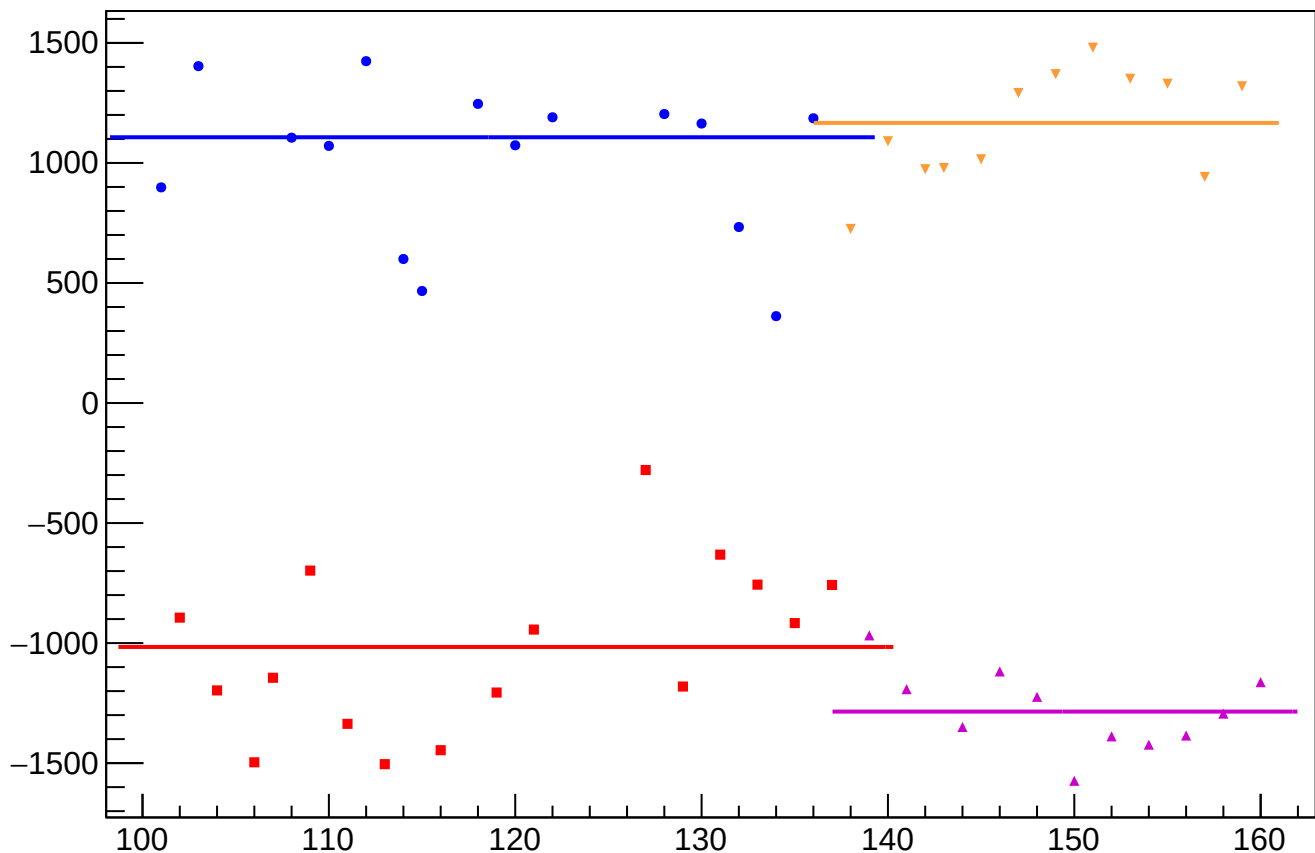
Left Out: 289.897 $\pm$ 0.000 χ^2 /NDF: 3202390993231935504147250998086205440.0/11

Right Out: -204.637 $\pm$ 0.000 χ^2 /NDF: 4555067046835230017930882867882098688.0/15

Left In: -286.246 $\pm$ 0.000 χ^2 /NDF: 4067110443230234744644750983181631488.0/10

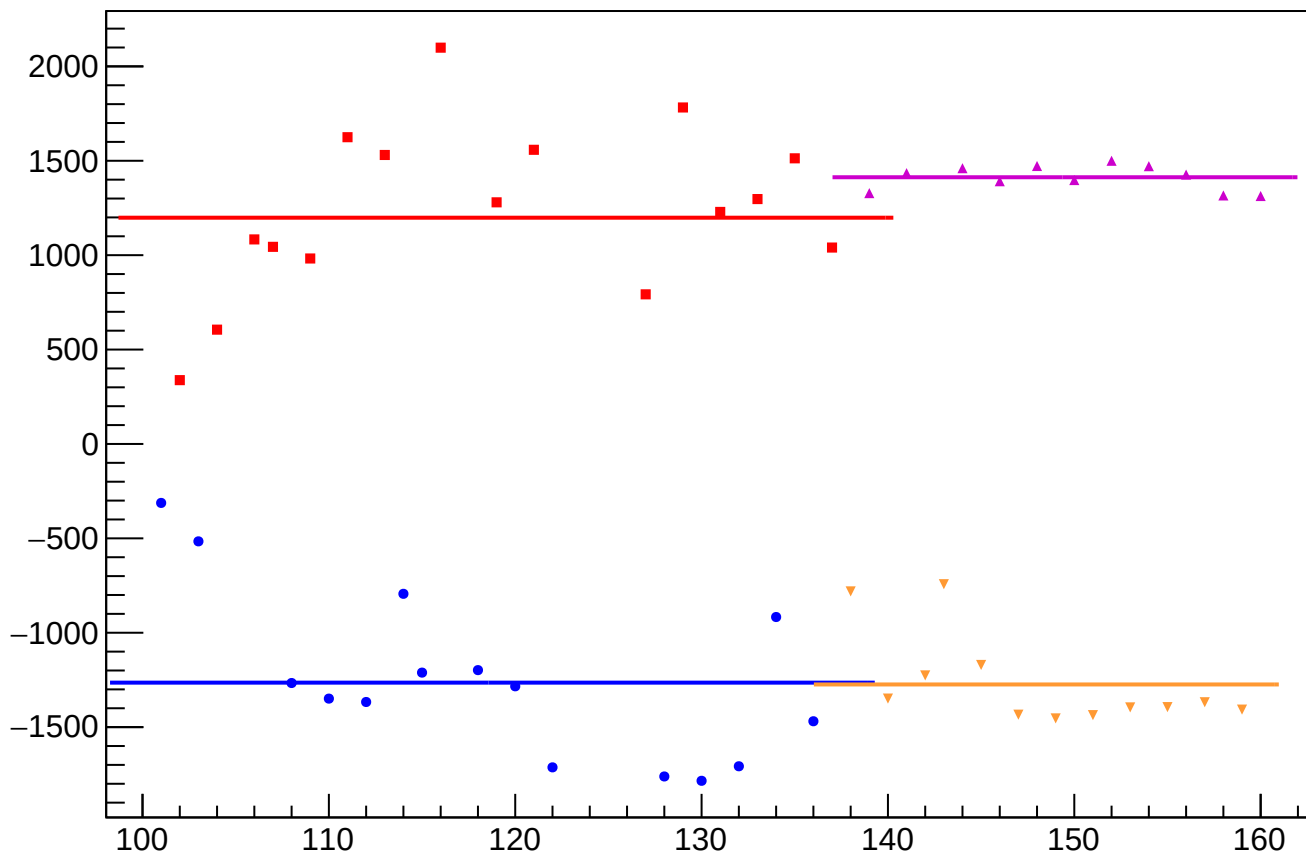
All: 4.677 $\pm$ 0.000 χ^2 /NDF: 23271380693899

dit_sam6_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam7_coil4_mean vs Slug, Sign Corrected



Right In: -1264.303+/-0.000

Left Out: -1273.912+/-0.000

Right Out: 1198.483+/-0.000

Left In: 1412.771+/-0.000

χ^2/NDF : 140215251538502657549173994543931981824.0/14

χ^2/NDF : 50517219487332482659121972372719009792.0/11

χ^2/NDF : 131164763898016793515492217696167133184.0/15

χ^2/NDF : 3642959557366432228461510163957809152.0/10

Left: 76.739+/-0.000 χ^2/NDF : 33708552711057657

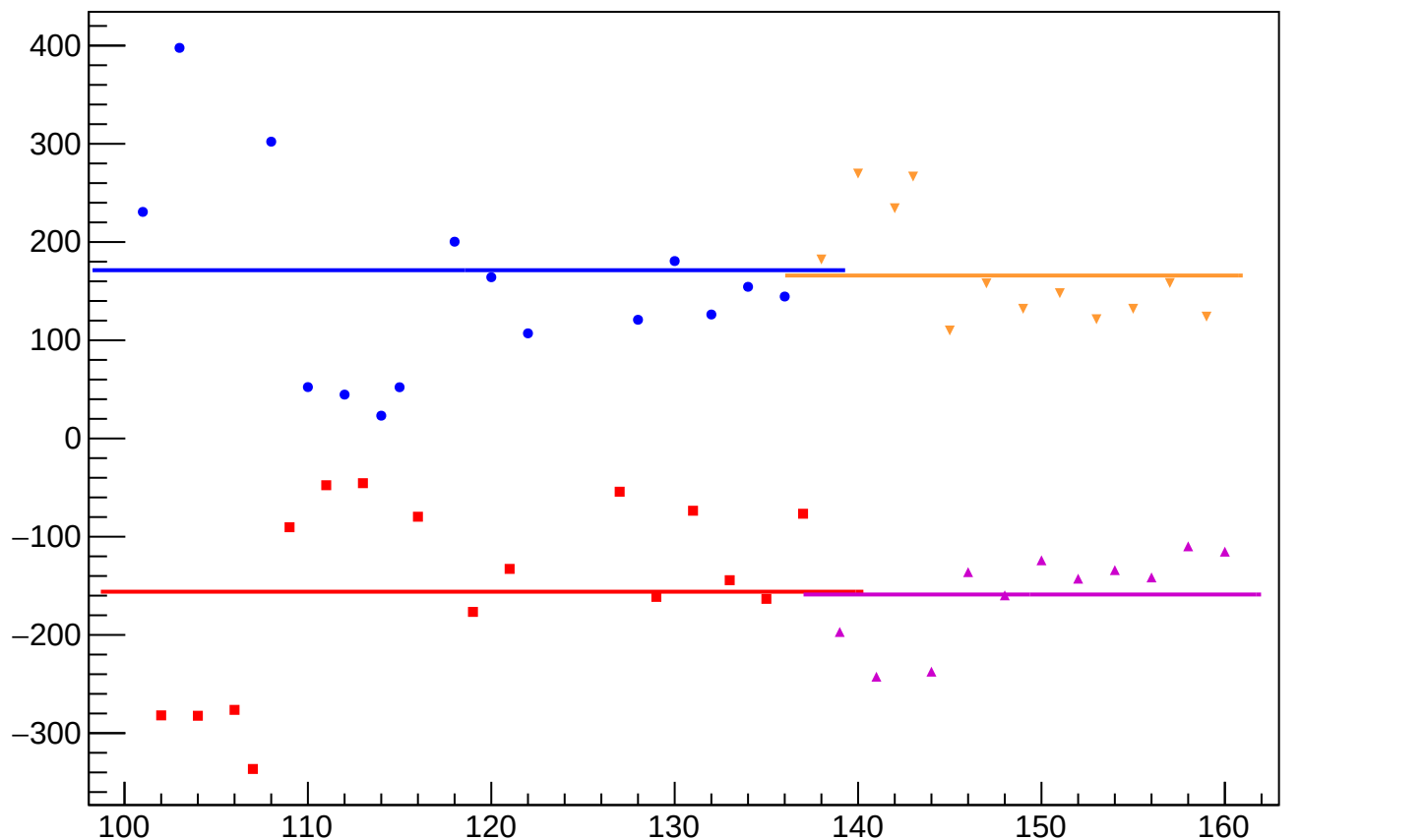
Right: -16.067+/-0.000 χ^2/NDF : 226649511001664

In: 308.244+/-0.000 χ^2/NDF : 28760344161485338

Out: -230.846+/-0.000 χ^2/NDF : 253877034127960

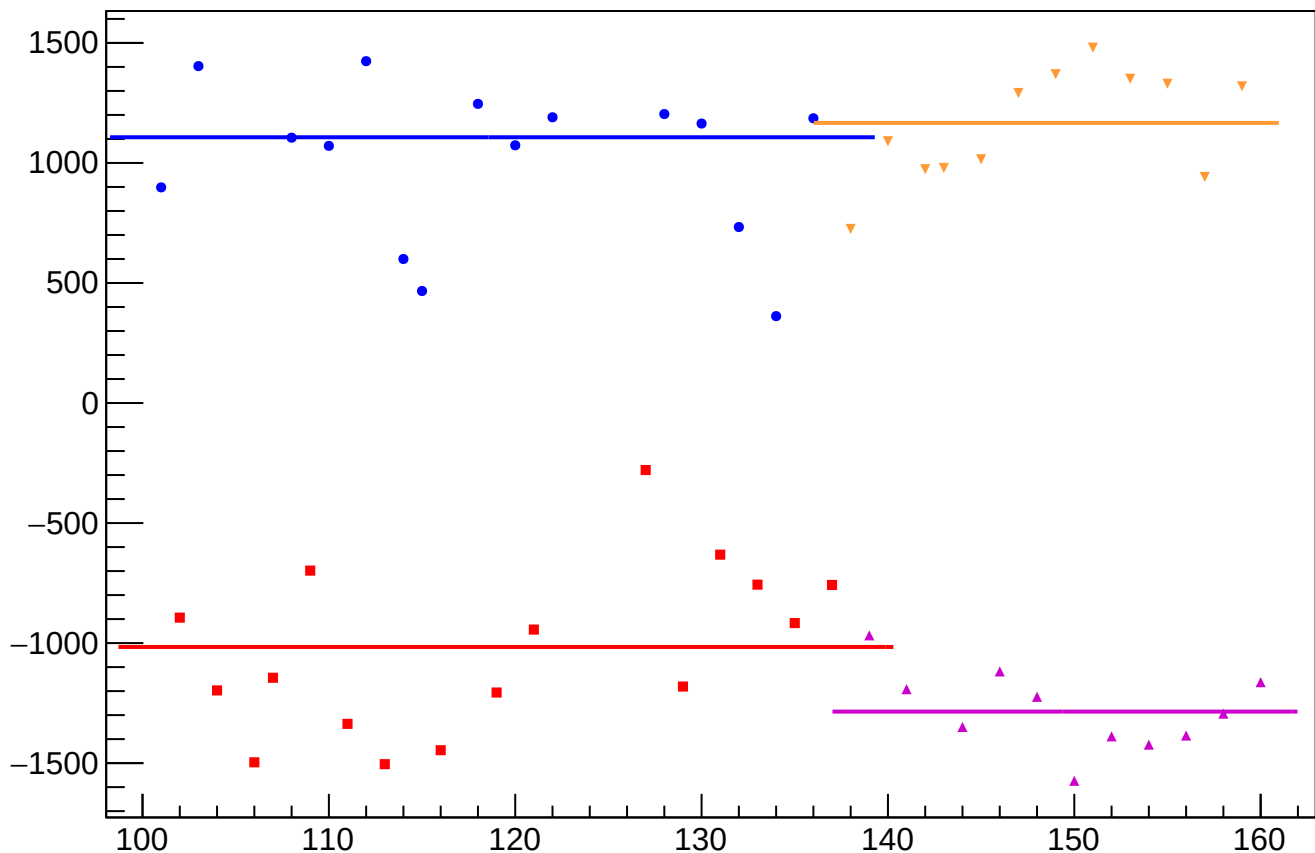
All: 38.016+/-0.000 χ^2/NDF : 5643955595721

dit_sam7_coil4_err_mean vs Slug, Sign Corrected



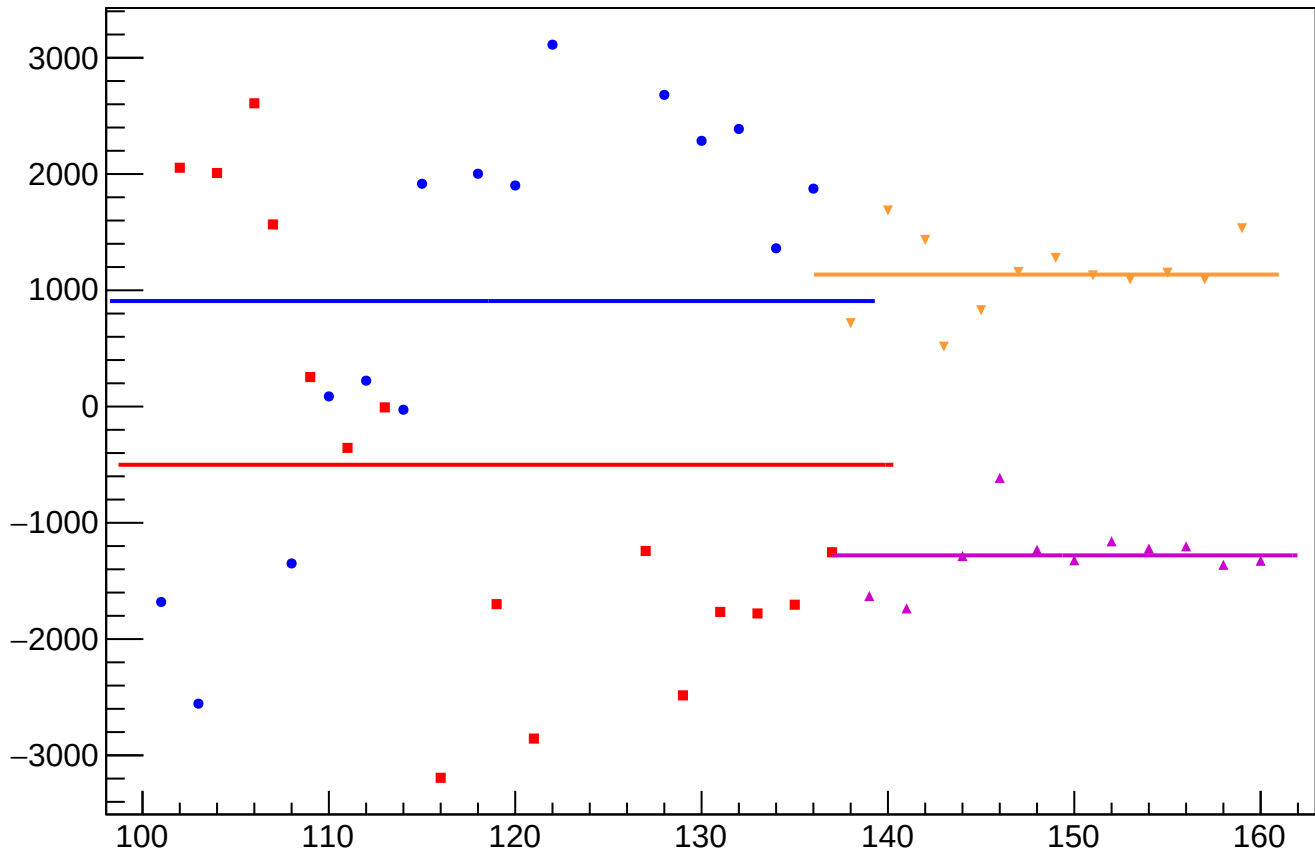
Right In: 171.323+/-0.000 χ^2/NDF : 6120975075187305509795143064993398784.0/14
 Left Out: 165.917+/-0.000 χ^2/NDF : 2574923375517186479088669940447707136.0/11
 Right Out: -155.993+/-0.000 χ^2/NDF : 5680659281504595852021524727244783616.0/15
 Left In: -158.834+/-0.000 χ^2/NDF : 1853310895668256586520412981739651072.0/10
 All: 3.813+/-0.000 χ^2/NDF : 99935728912409

dit_sam7_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000		χ^2/NDF : 443493791328

dit_sam8_coil4_mean vs Slug, Sign Corrected



Right In: 907.442+/-0.000

χ^2/NDF : 2107238007691848638499662178406566461440.0/14

Left Out: 1135.509+/-0.000

χ^2/NDF : 90454761773489591793478678074609369088.0/11

Right Out: -500.689+/-0.000

χ^2/NDF : 2074232918749953174436803426379074895872.0/15

Left In: -1279.995+/-0.000

χ^2/NDF : 67592304703884032028559239448782438400.0/10

Left: -78.814+/-0.000 χ^2/NDF : 2838993659503494

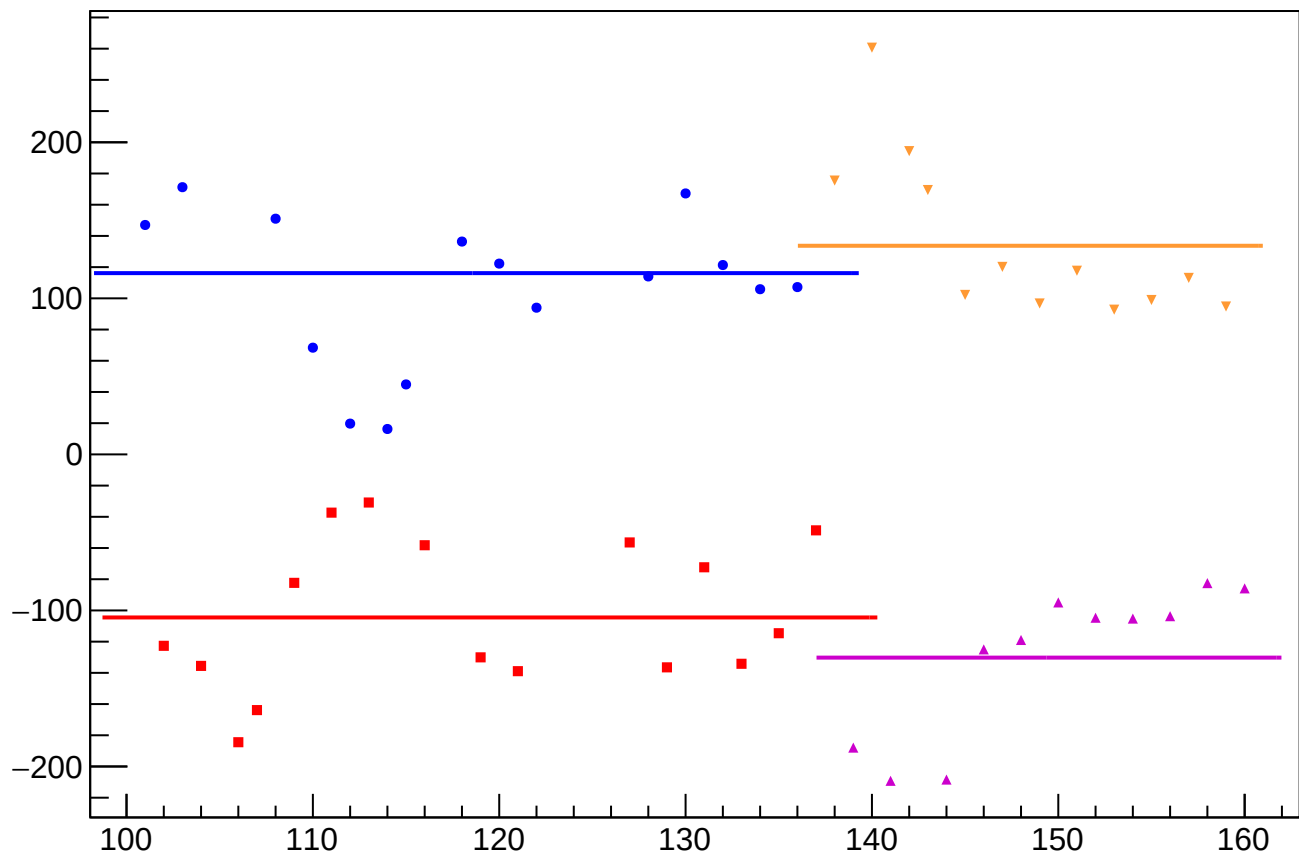
Right: 193.746+/-0.000 χ^2/NDF : 483370034209518

In: -377.486+/-0.000 χ^2/NDF : 3998973168088028

Out: 445.222+/-0.000 χ^2/NDF : 3197001629965650

All: 34.911+/-0.000 χ^2/NDF : 7729666433906

dit_sam8_coil4_err_mean vs Slug, Sign Corrected



Right In: 116.159+/-0.000

χ^2/NDF : 1198526427485199785396504127288115200.0/14

Left Out: 133.695+/-0.000

χ^2/NDF : 2332238004384262852879386446827356160.0/11

Right Out: -104.501+/-0.000

χ^2/NDF : 1285986383644058507445602420764180480.0/15

Left In: -130.237+/-0.000

χ^2/NDF : 1968814259217478663576054483231178752.0/10

Left: 1.011+/-0.000 χ^2/NDF : 363089448385334354

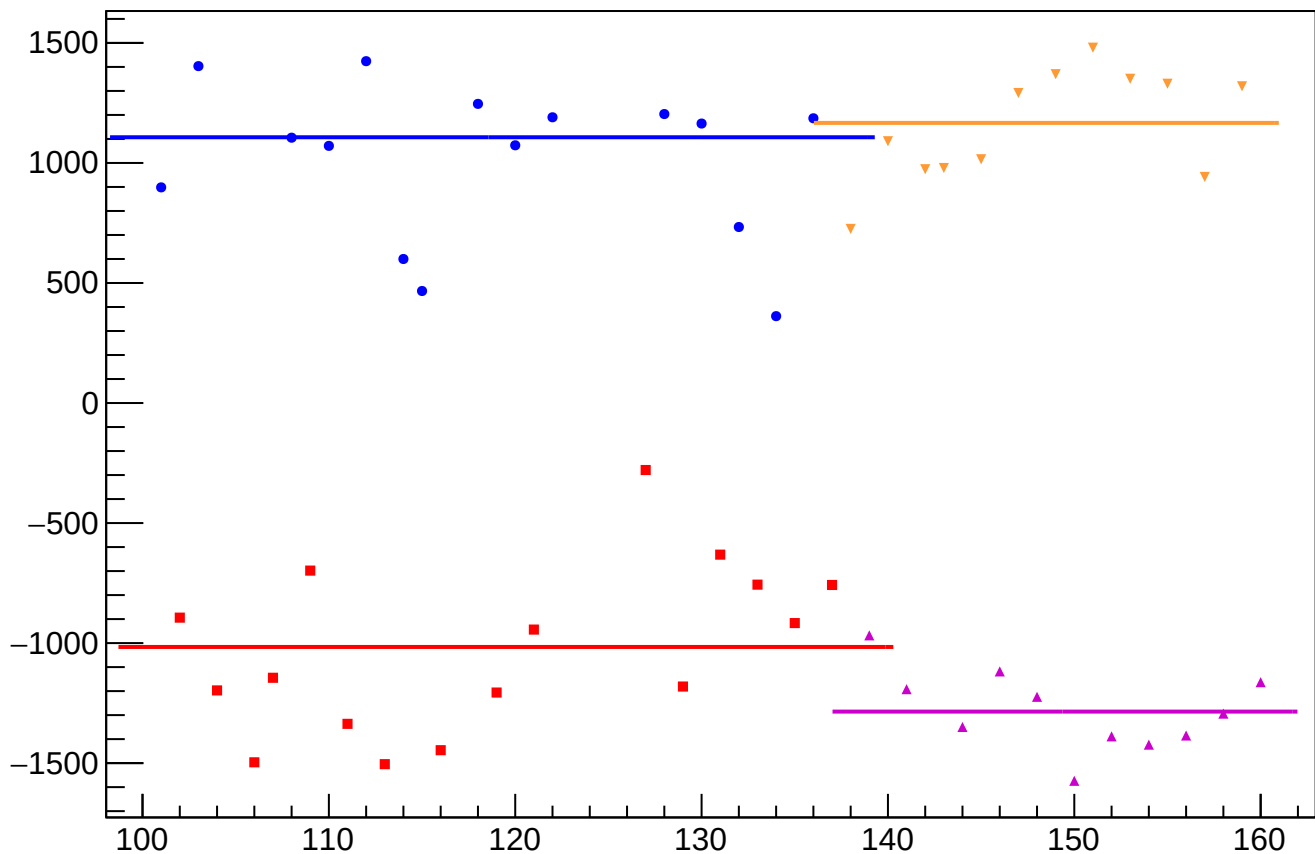
Right: 4.320+/-0.000 χ^2/NDF : 18500756430901072

In: -28.577+/-0.000 χ^2/NDF : 26312198647459661

Out: 33.204+/-0.000 χ^2/NDF : 25496298495933120

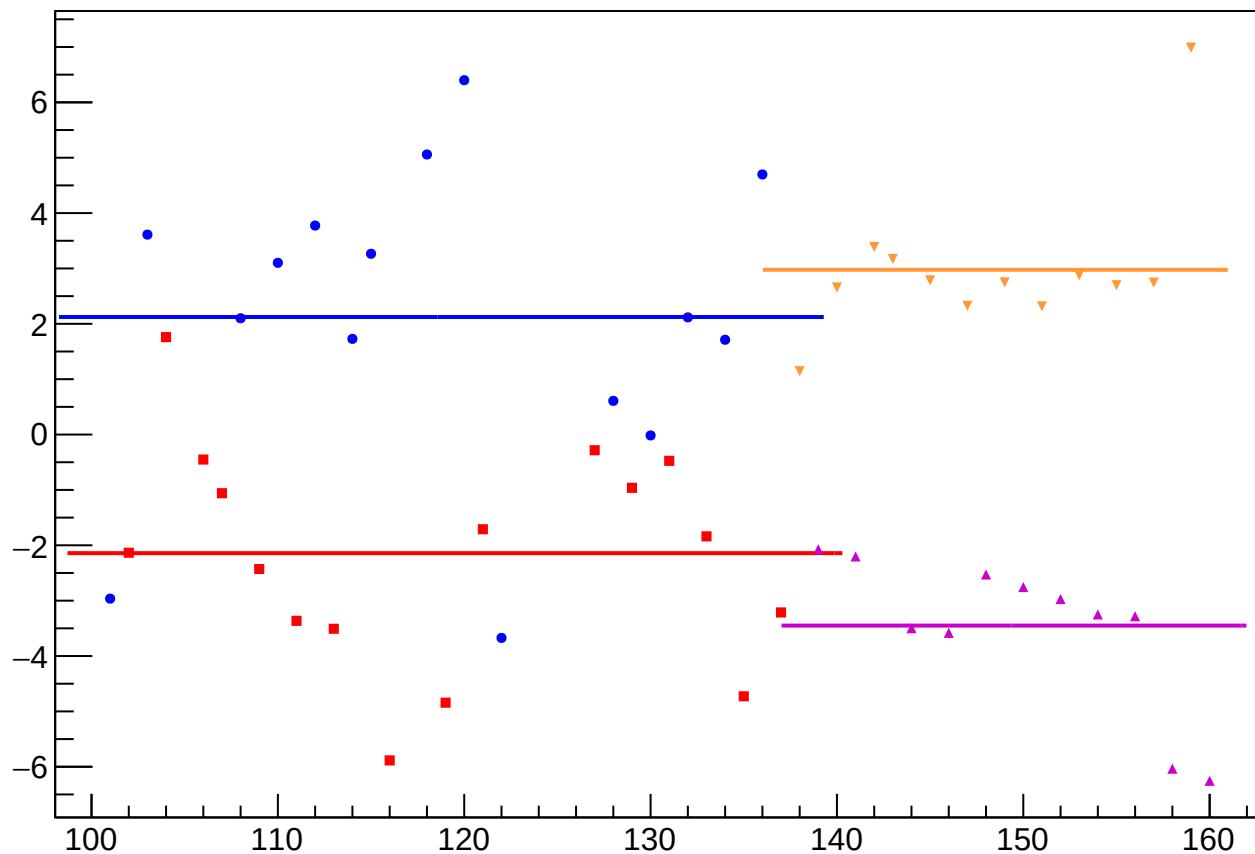
All: 2.392+/-0.000 χ^2/NDF : 54818097492999

dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected



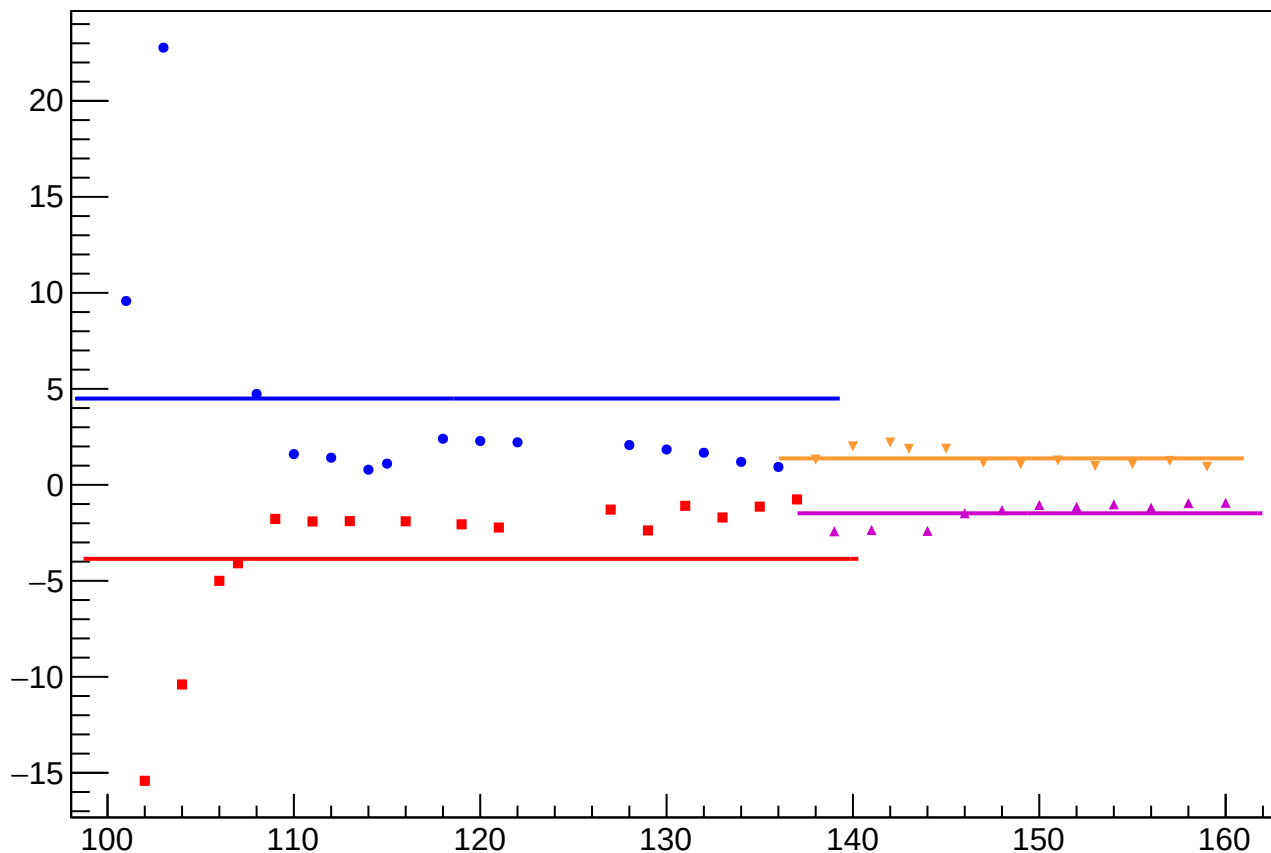
Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 +/- 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 72567664333509192712184310037150171136.0/15
 Left In: -1285.364 +/- 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 +/- 0.000 χ^2/NDF : 443493791328

dit_4aX_coil6_mean vs Slug, Sign Corrected



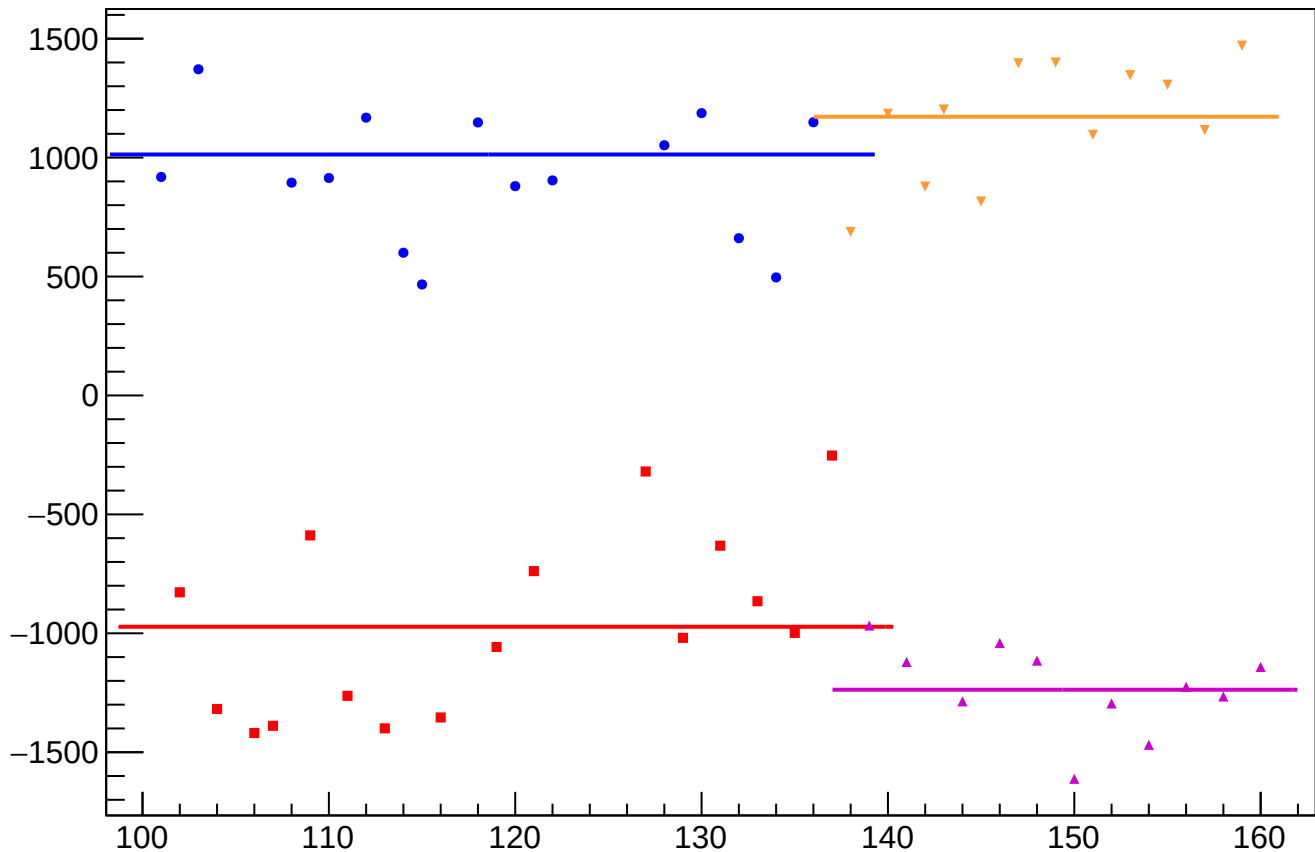
Right In: 2.123 ± 0.000 $\chi^2/\text{NDF}: 5263705922821075971022013849403392.0/14$
 Left Out: 2.975 ± 0.000 $\chi^2/\text{NDF}: 1653073452461549310648226194391040.0/11$
 Right Out: -2.142 ± 0.000 $\chi^2/\text{NDF}: 2472949940993672466161692257026048.0/15$
 Left In: -3.450 ± 0.000 $\chi^2/\text{NDF}: 1551935058842125730993767819771904.0/10$
 All: -0.165 ± 0.000 $\chi^2/\text{NDF}: 3593171973560$

dit_4aX_coil6_err_mean vs Slug, Sign Corrected



Right In: 4.495 ± 0.000 χ^2/NDF : 25270242219816061532329198634401792.0/14
 Left Out: 1.379 ± 0.000 χ^2/NDF : 150384329501224226849656085151744.0/11
 Right Out: -3.852 ± 0.000 χ^2/NDF : 12314971476556806550518847638601728.0/15
 Left In: -1.482 ± 0.000 χ^2/NDF : 310337710475779495774509405831168.0/10
 All: 0.076 ± 0.000 χ^2/NDF : 64807335162416

dit_4aX_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

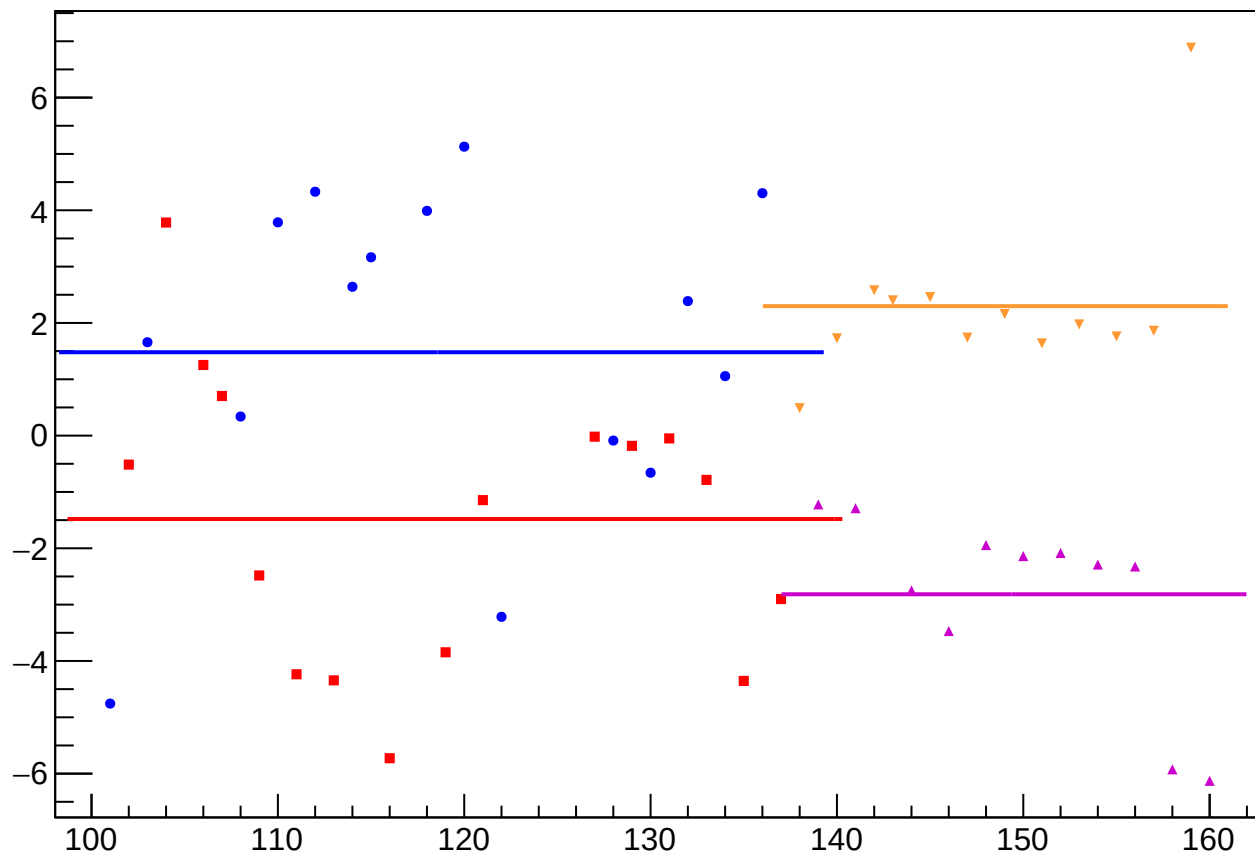
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

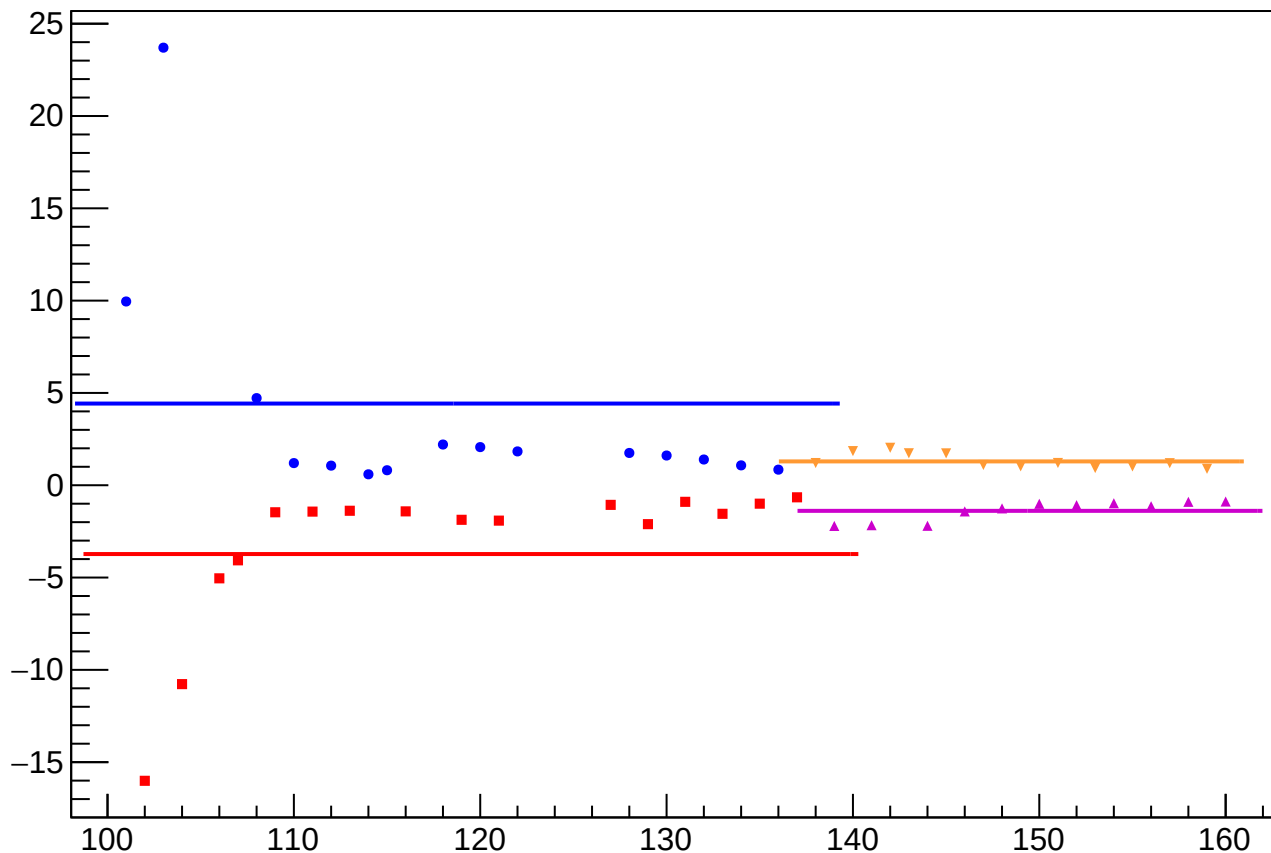
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_4eX_coil6_mean vs Slug, Sign Corrected



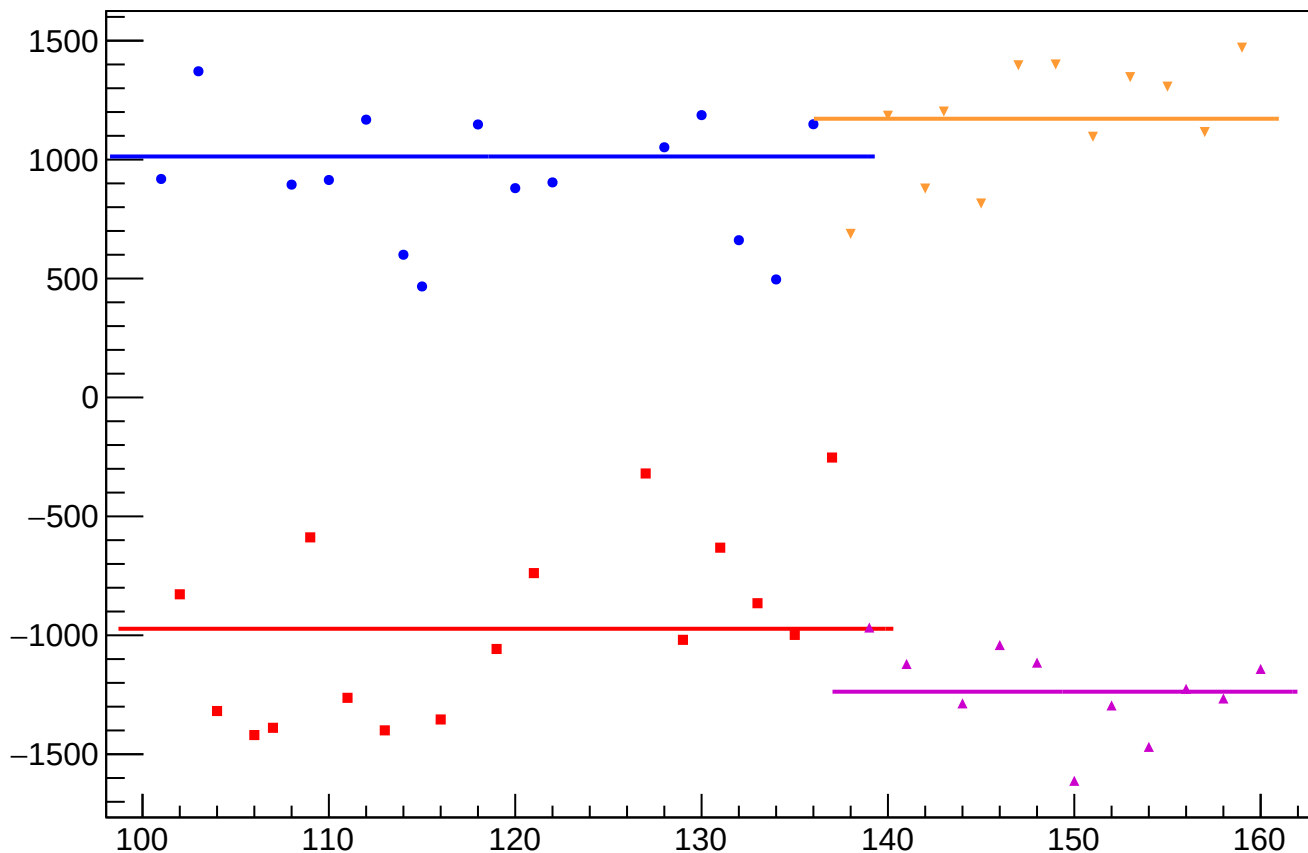
Right In: 1.480 ± 0.000 $\chi^2/\text{NDF}: 5799670695902784459055767987683328.0/14$
 Left Out: 2.298 ± 0.000 $\chi^2/\text{NDF}: 2079870991739780462593334803693568.0/11$
 Right Out: -1.480 ± 0.000 $\chi^2/\text{NDF}: 4092645800613765572662987820367872.0/15$
 Left In: -2.816 ± 0.000 $\chi^2/\text{NDF}: 2230790234579581781884760219451392.0/10$
 All: -0.168 ± 0.000 $\chi^2/\text{NDF}: 2915247501265$

dit_4eX_coil6_err_mean vs Slug, Sign Corrected



Right In: 4.424+/-0.000 χ^2/NDF : 28257459272876210608839830473277440.0/14
 Left Out: 1.291+/-0.000 χ^2/NDF : 119201725618452190917490324275200.0/11
 Right Out: -3.727+/-0.000 χ^2/NDF : 13991816814749842519794284853460992.0/15
 Left In: -1.387+/-0.000 χ^2/NDF : 245381205913734368947829561360384.0/10
 All: 0.090+/-0.000 χ^2/NDF : 67859501931783

dit_4eX_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

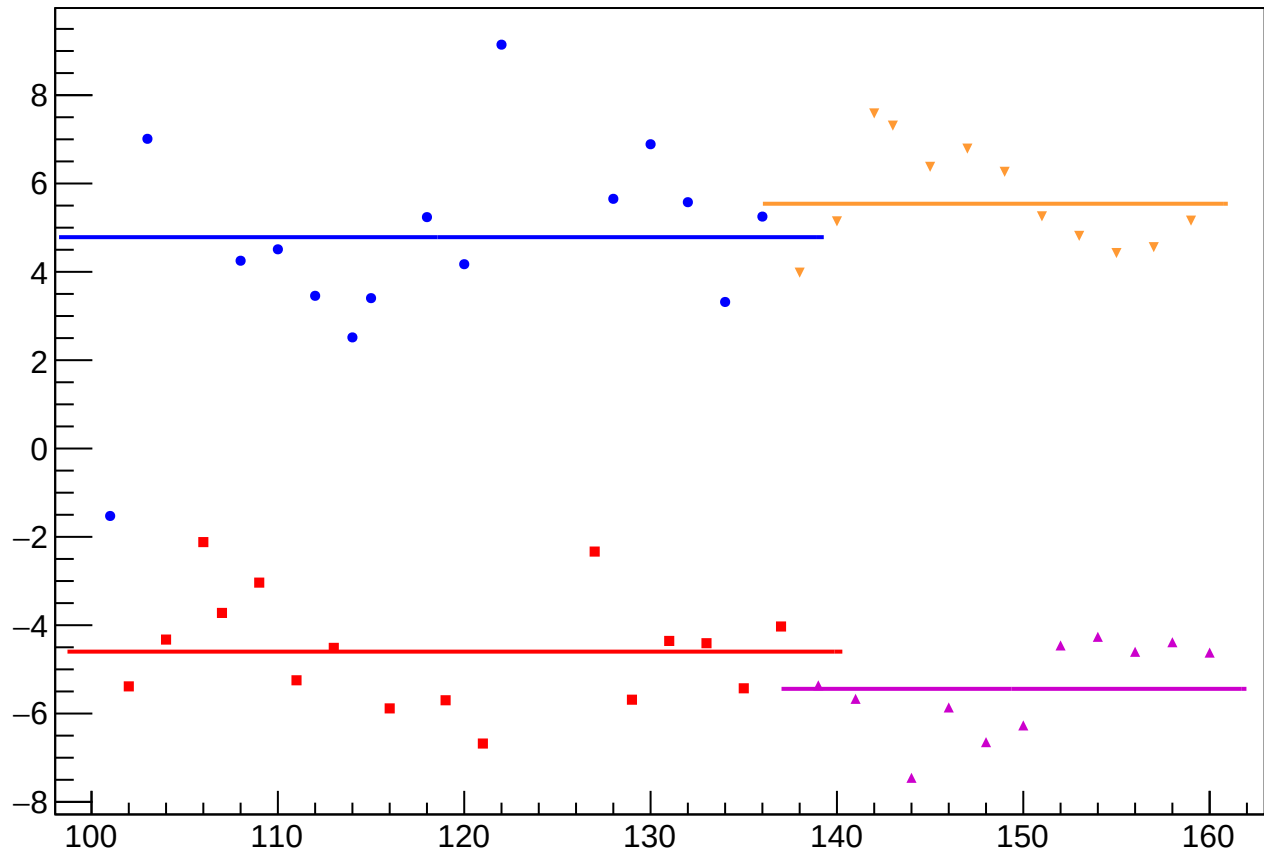
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

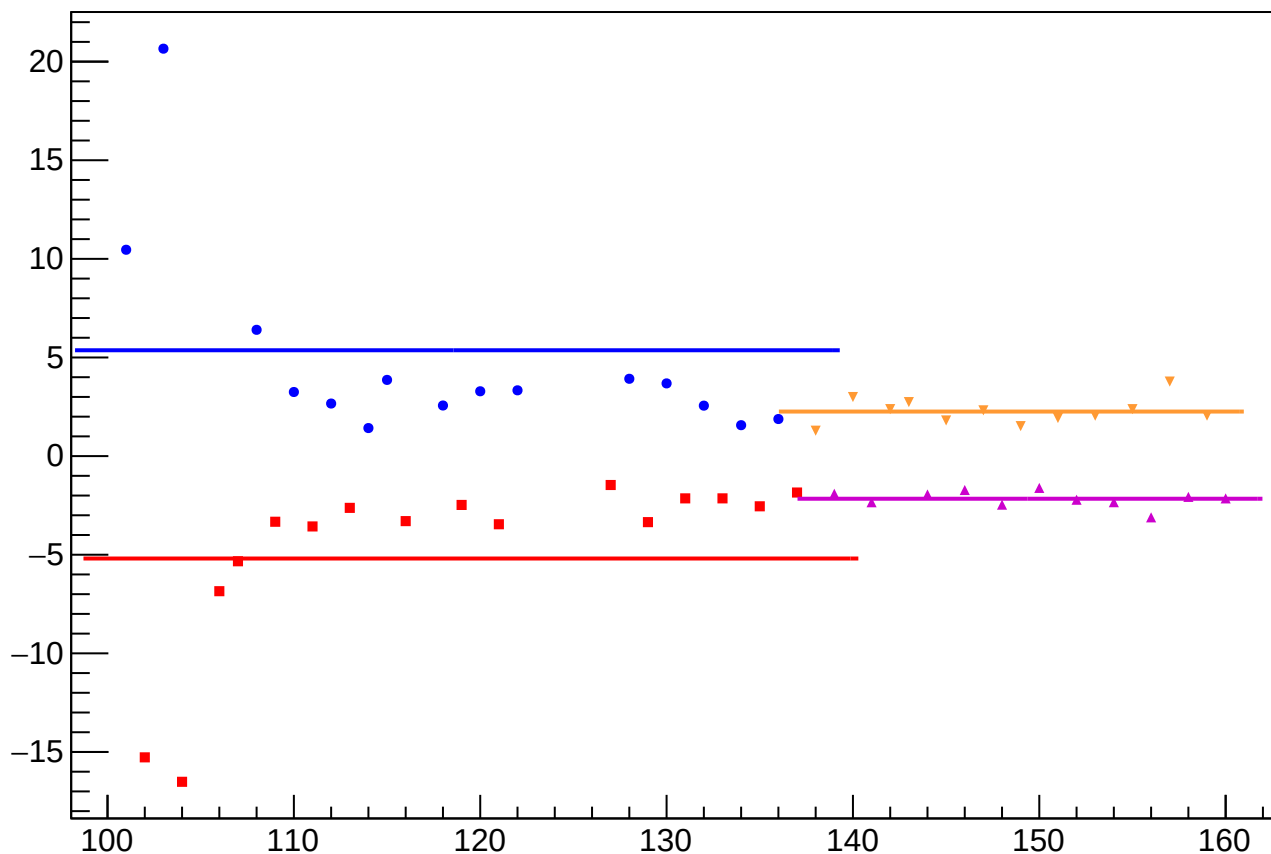
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_11X12X_coil6_mean vs Slug, Sign Corrected



Right In: 4.785 ± 0.000 $\chi^2/\text{NDF}: 3996556073154779711808159470321664.0/14$
 Left Out: 5.542 ± 0.000 $\chi^2/\text{NDF}: 1063589592141187742244511087067136.0/11$
 Right Out: -4.598 ± 0.000 $\chi^2/\text{NDF}: 989607156792948633247632779640832.0/15$
 Left In: -5.441 ± 0.000 $\chi^2/\text{NDF}: 969147874620390855399339032838144.0/10$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 91405570612349$

dit_11X12X_coil6_err_mean vs Slug, Sign Corrected



Right In: 5.366+/-0.000

χ^2/NDF : 18780724722063497096153009301225472.0/14

Left Out: 2.259+/-0.000

χ^2/NDF : 395399614951959116127821516242944.0/11

Right Out: -5.192+/-0.000

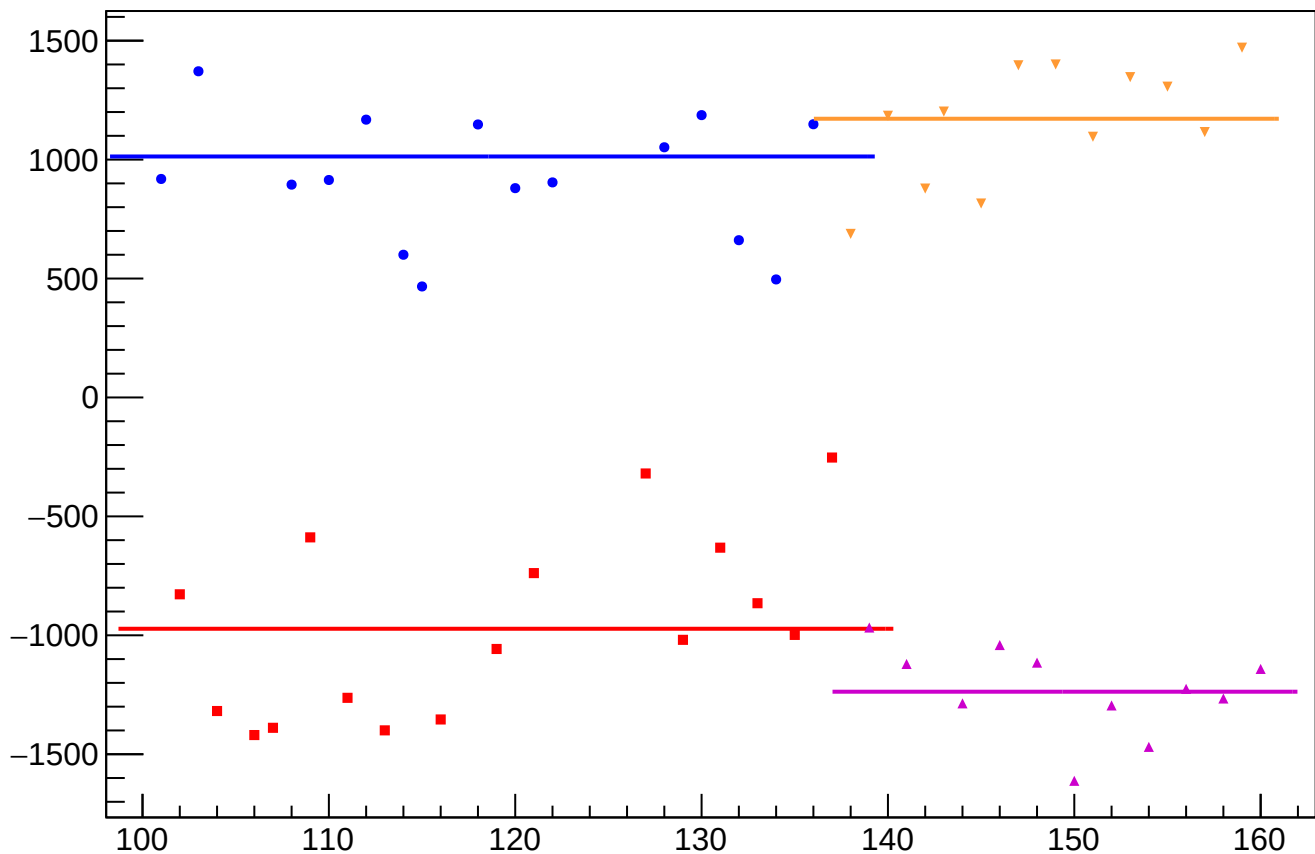
χ^2/NDF : 15749573754945345754432436952891392.0/15

Left In: -2.162+/-0.000

χ^2/NDF : 138367938839103248546751049629696.0/10

All: 0.027+/-0.000 χ^2/NDF : 80711946071260

dit_11X12X_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

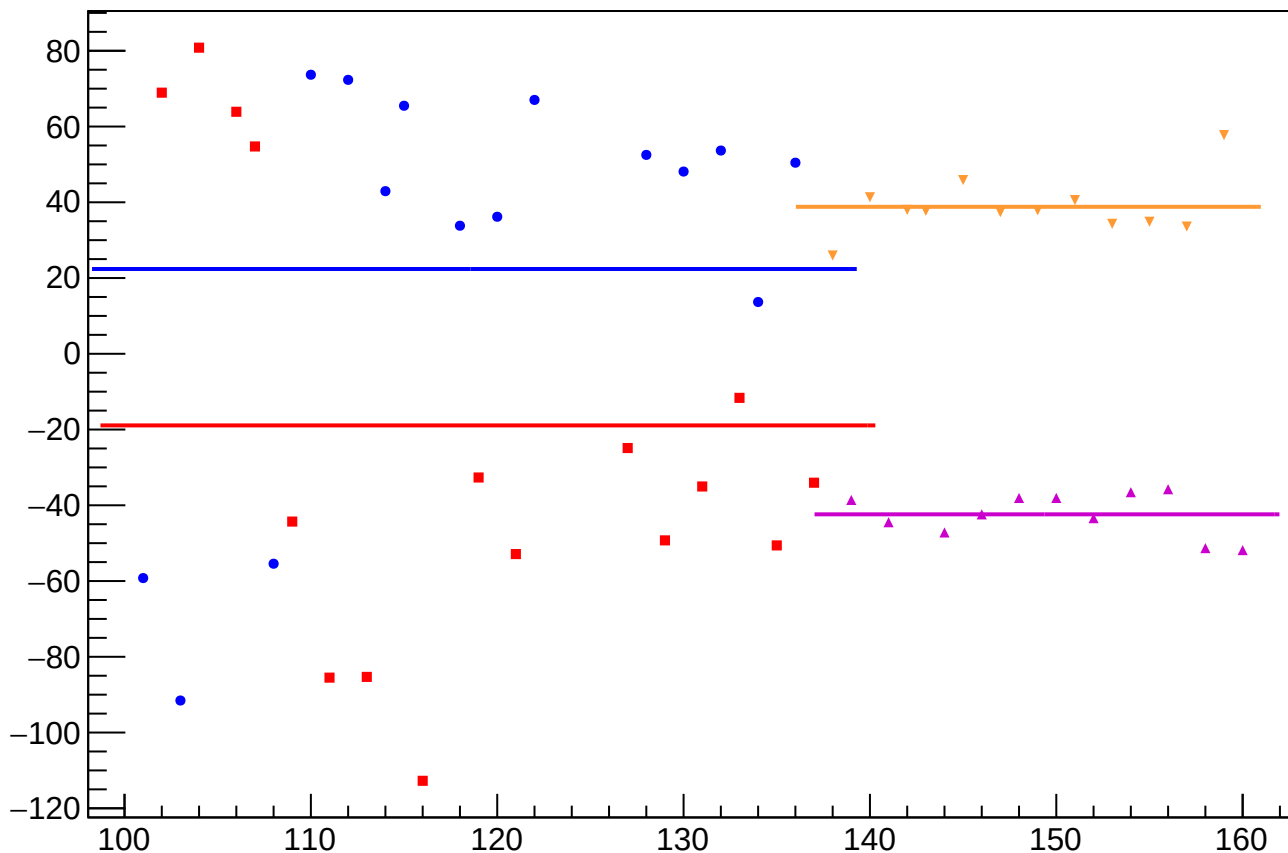
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_4aY_coil6_mean vs Slug, Sign Corrected



Right In: 22.385+/-0.000

χ^2/NDF : 1922260860023592637794094183323009024.0/14

Left Out: 38.806+/-0.000

χ^2/NDF : 51649905292188588204172531766132736.0/11

Right Out: -18.907+/-0.000

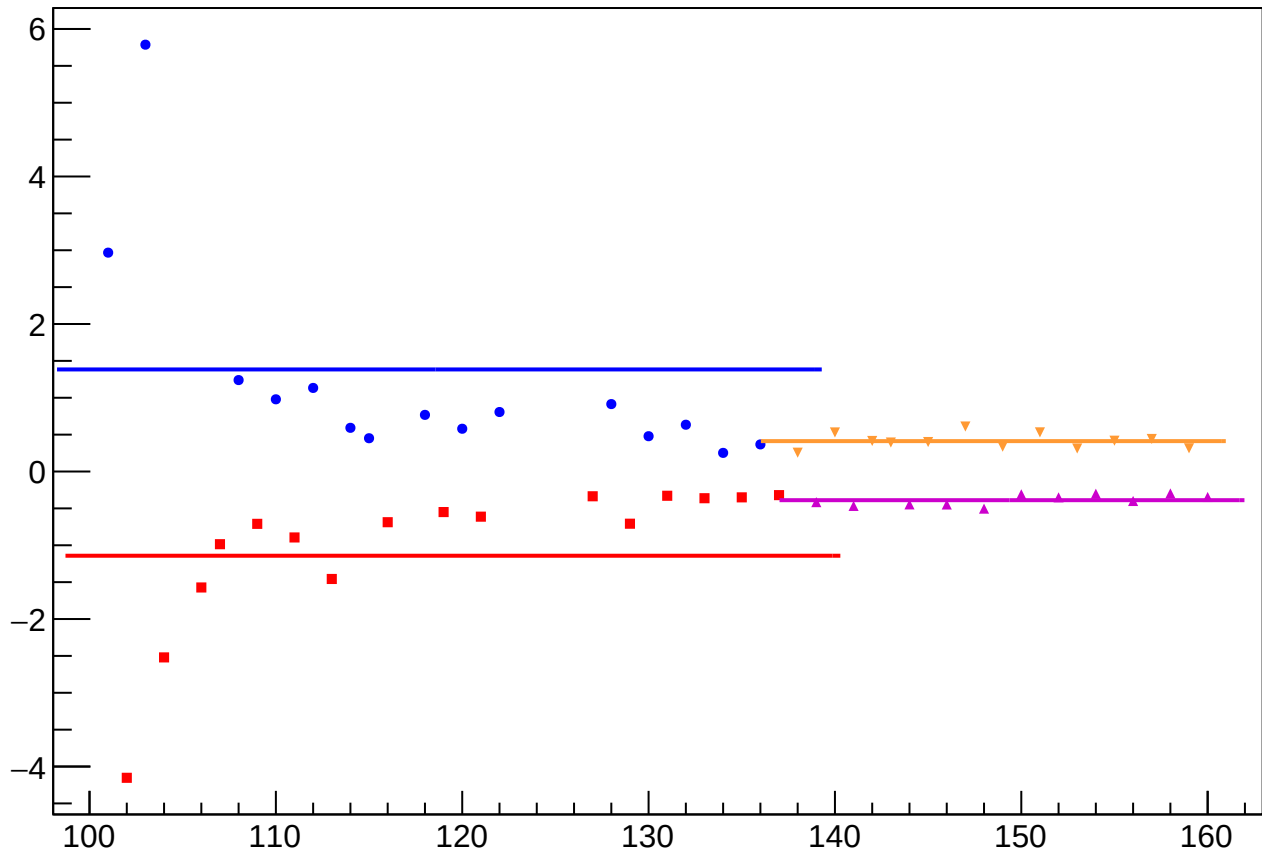
χ^2/NDF : 2182221808408156293593993992757837824.0/15

Left In: -42.386+/-0.000

χ^2/NDF : 26555660128562986553016927486214144.0/10

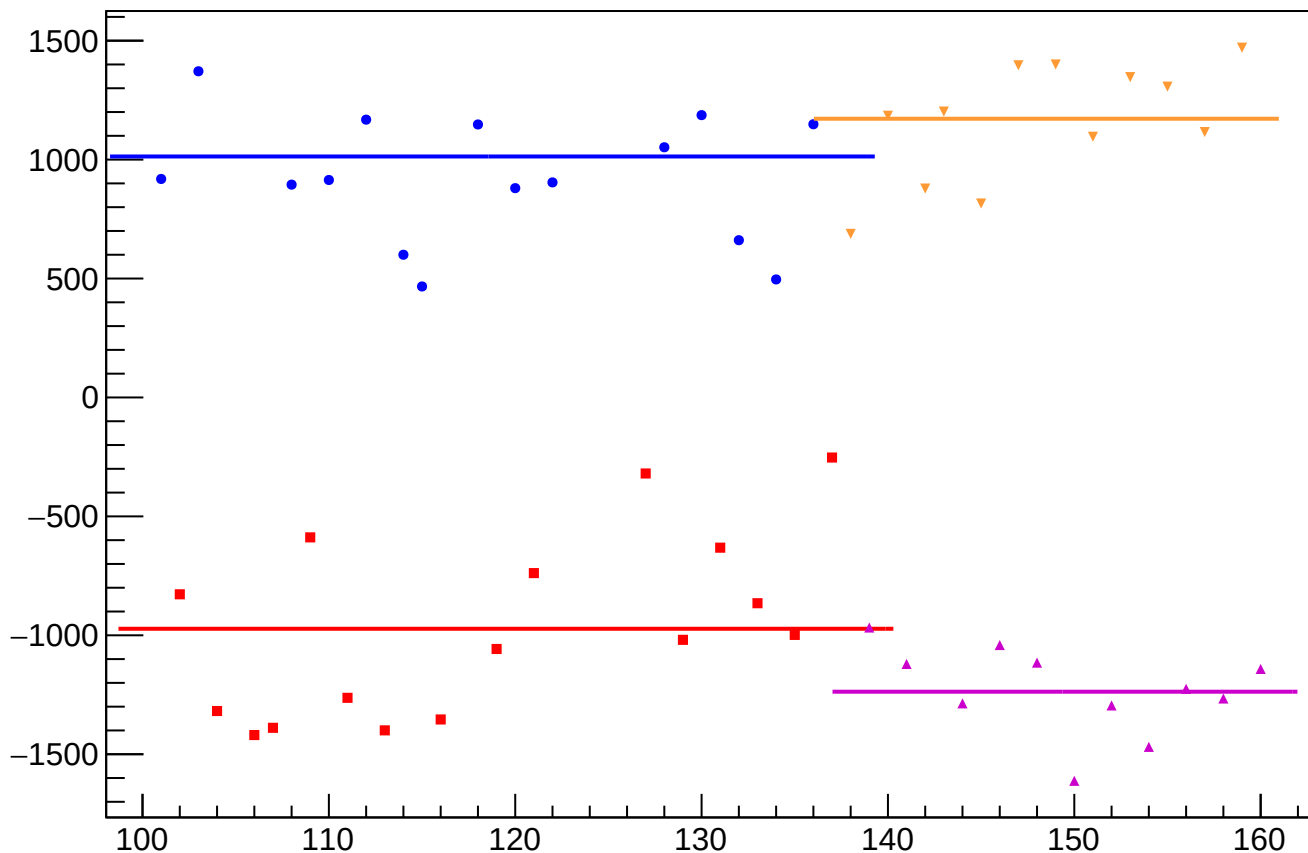
All: -0.564+/-0.000 χ^2/NDF : 7781760585963

dit_4aY_coil6_err_mean vs Slug, Sign Corrected



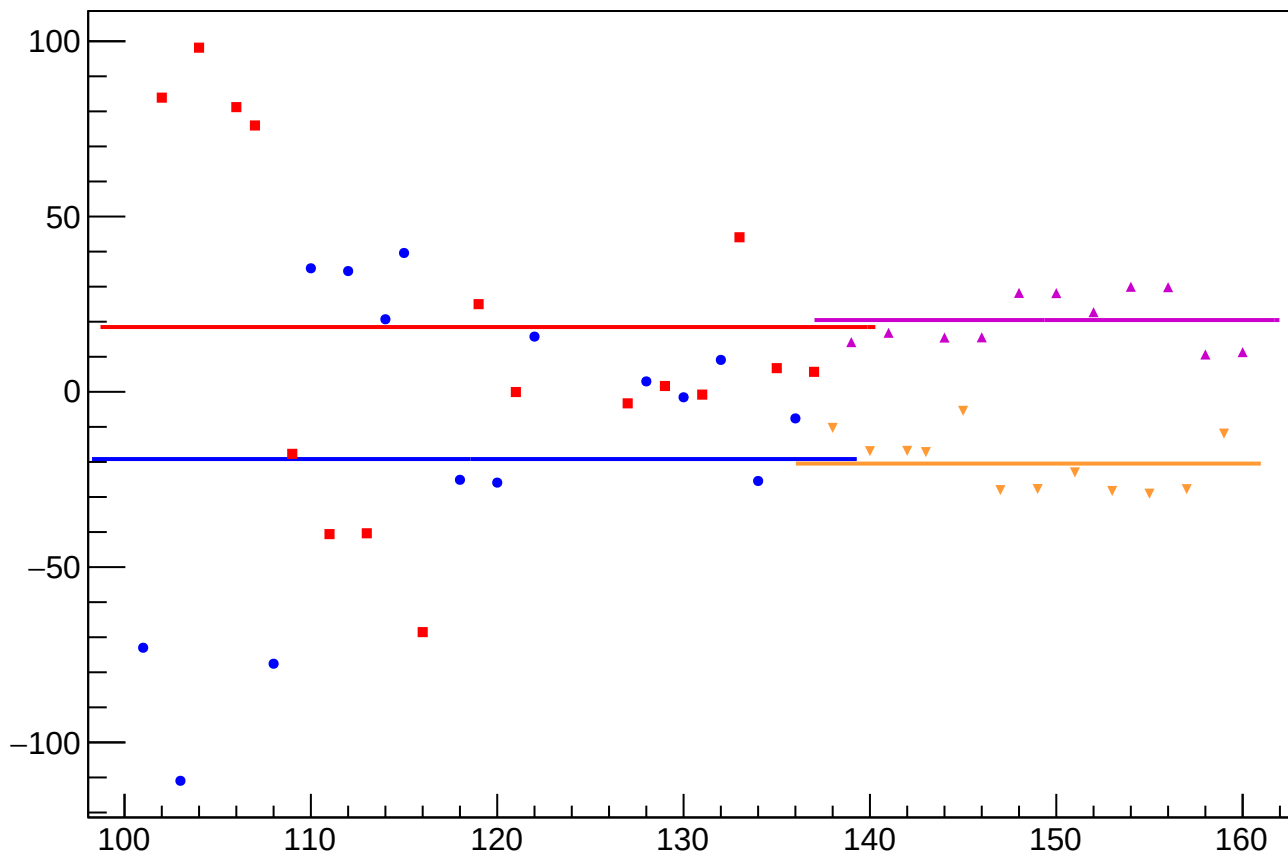
Right In: 1.384 $\pm$ 0.000 χ^2 /NDF: 1571159324102064120487940936695808.0/14
 Left Out: 0.412 $\pm$ 0.000 χ^2 /NDF: 9382414275472018674983467220992.0/11
 Right Out: -1.142 $\pm$ 0.000 χ^2 /NDF: 810680738285448955223066212827136.0/15
 Left In: -0.389 $\pm$ 0.000 χ^2 /NDF: 4468112130112640641394154668032.0/10
 All: 0.049 $\pm$ 0.000 χ^2 /NDF: 47956046375431

dit_4aY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_4eY_coil6_mean vs Slug, Sign Corrected



Right In: -19.175 ± 0.000

Left Out: -20.466 ± 0.000

Right Out: 18.479 ± 0.000

Left In: 20.473 ± 0.000

χ^2/NDF : 1246364705689764961102868160463241216.0/14

χ^2/NDF : 58628381923673457294433589512896512.0/11

χ^2/NDF : 1489398115046175180640331393369374720.0/15

χ^2/NDF : 48484953363349820110348478937300992.0/10

Left: 0.115 ± 0.000 χ^2/NDF : 877202582639736103

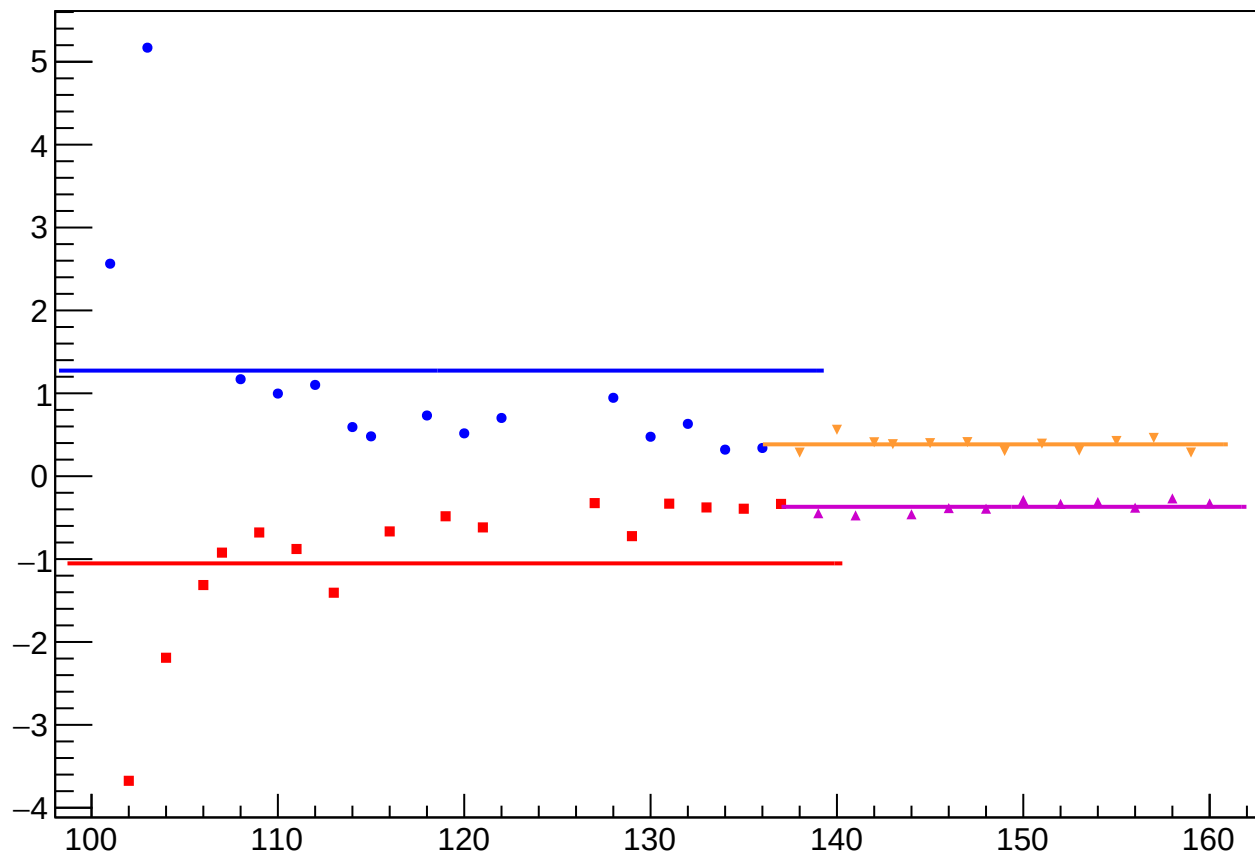
Right: -0.091 ± 0.000 χ^2/NDF : 3202145485356183

In: 4.115 ± 0.000 χ^2/NDF : 1894138593068178389

Out: -4.035 ± 0.000 χ^2/NDF : 21328659955407988

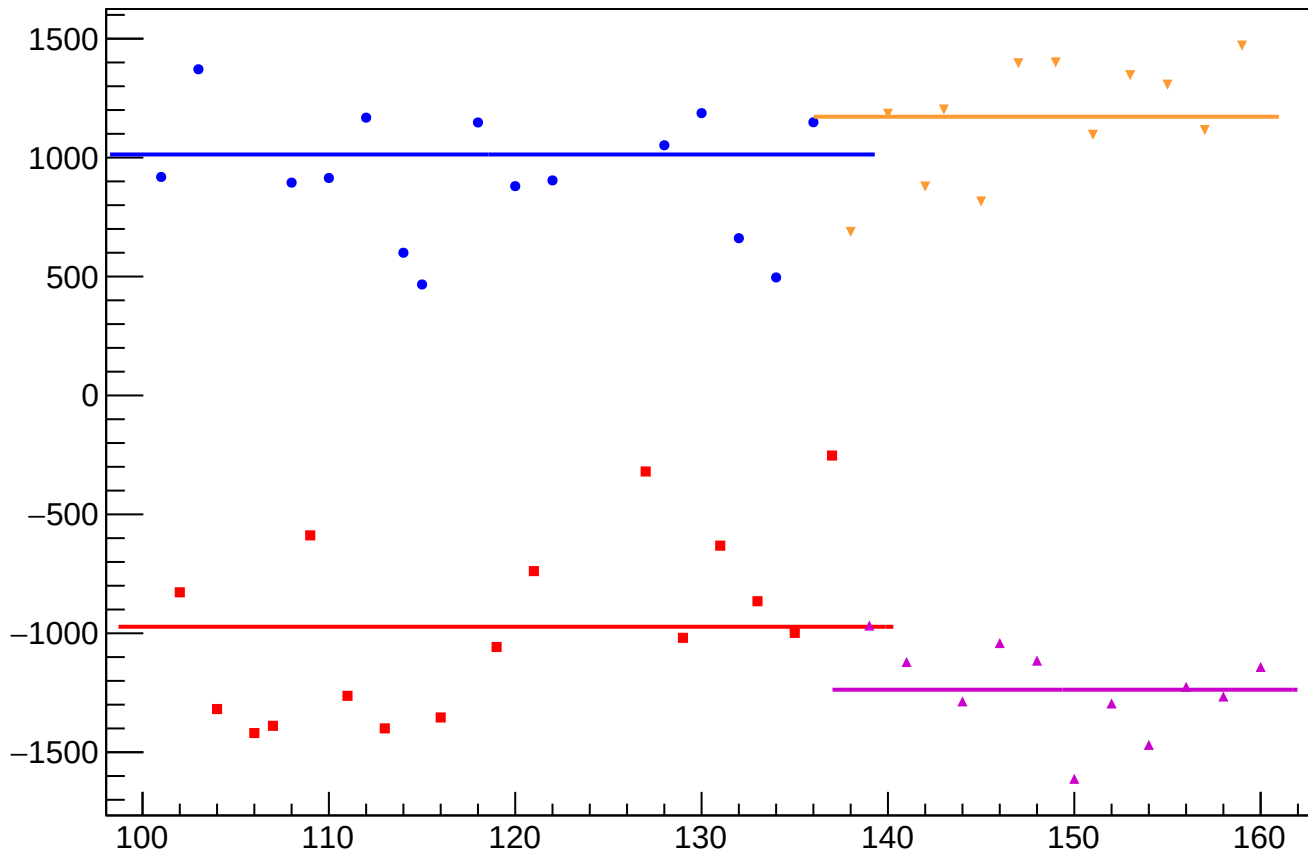
All: 0.029 ± 0.000 χ^2/NDF : 40793804983027

dit_4eY_coil6_err_mean vs Slug, Sign Corrected



Right In: 1.274+/-0.000 χ^2/NDF : 1212041476631073599154045304438784.0/14
 Left Out: 0.384+/-0.000 χ^2/NDF : 5822322029078598268260129439744.0/11
 Right Out: -1.052+/-0.000 χ^2/NDF : 607316121057753919194559126962176.0/15
 Left In: -0.369+/-0.000 χ^2/NDF : 4166350638848138676707816112128.0/10
 All: 0.043+/-0.000 χ^2/NDF : 38758828381997

dit_4eY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

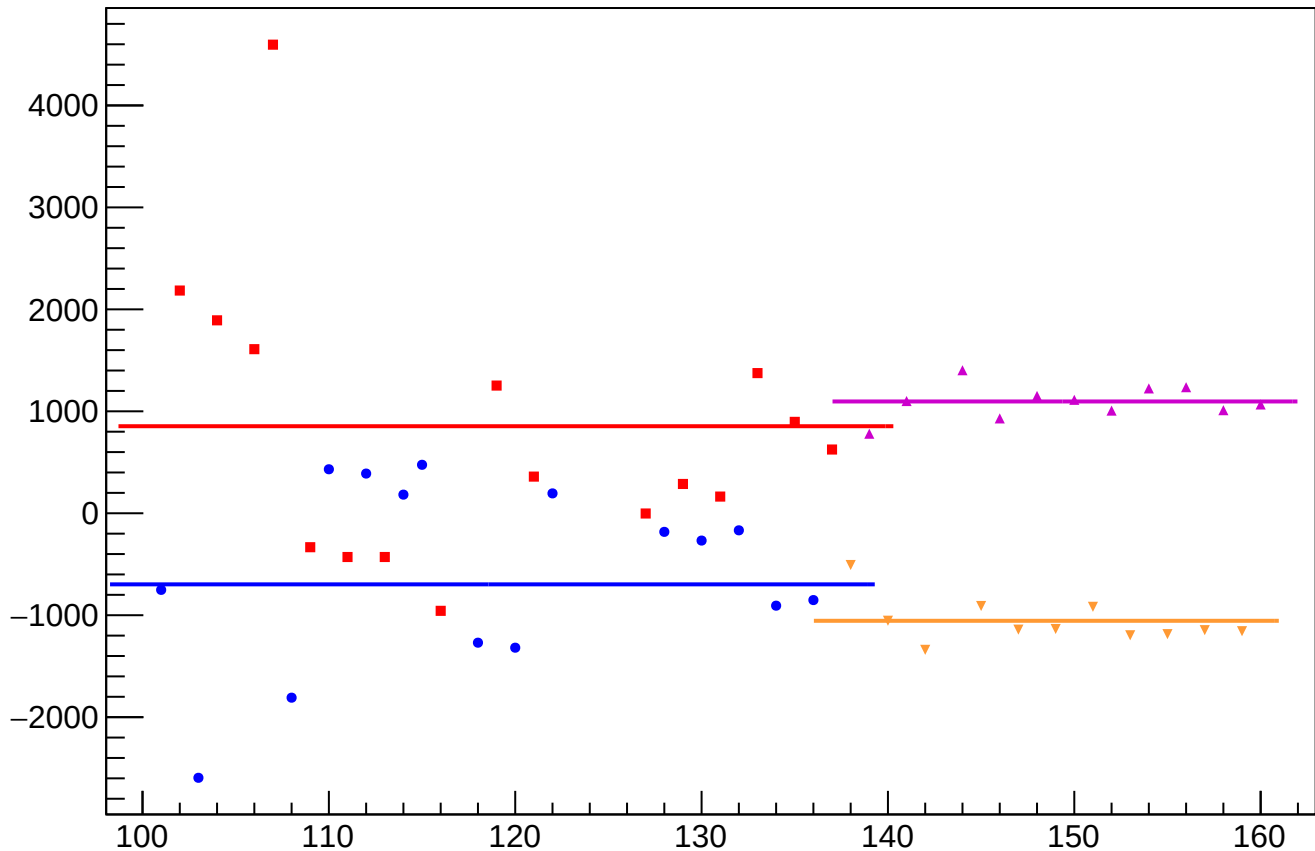
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_usl_coil6_mean vs Slug, Sign Corrected



Right In: -697.283+/-0.000

χ^2/NDF : 490435790698133828475769692944364208128.0/14

Left Out: -1054.675+/-0.000

χ^2/NDF : 35893414561751289831028004535805149184.0/10

Right Out: 853.734+/-0.000

χ^2/NDF : 1078379020126412317155932275156201766912.0/15

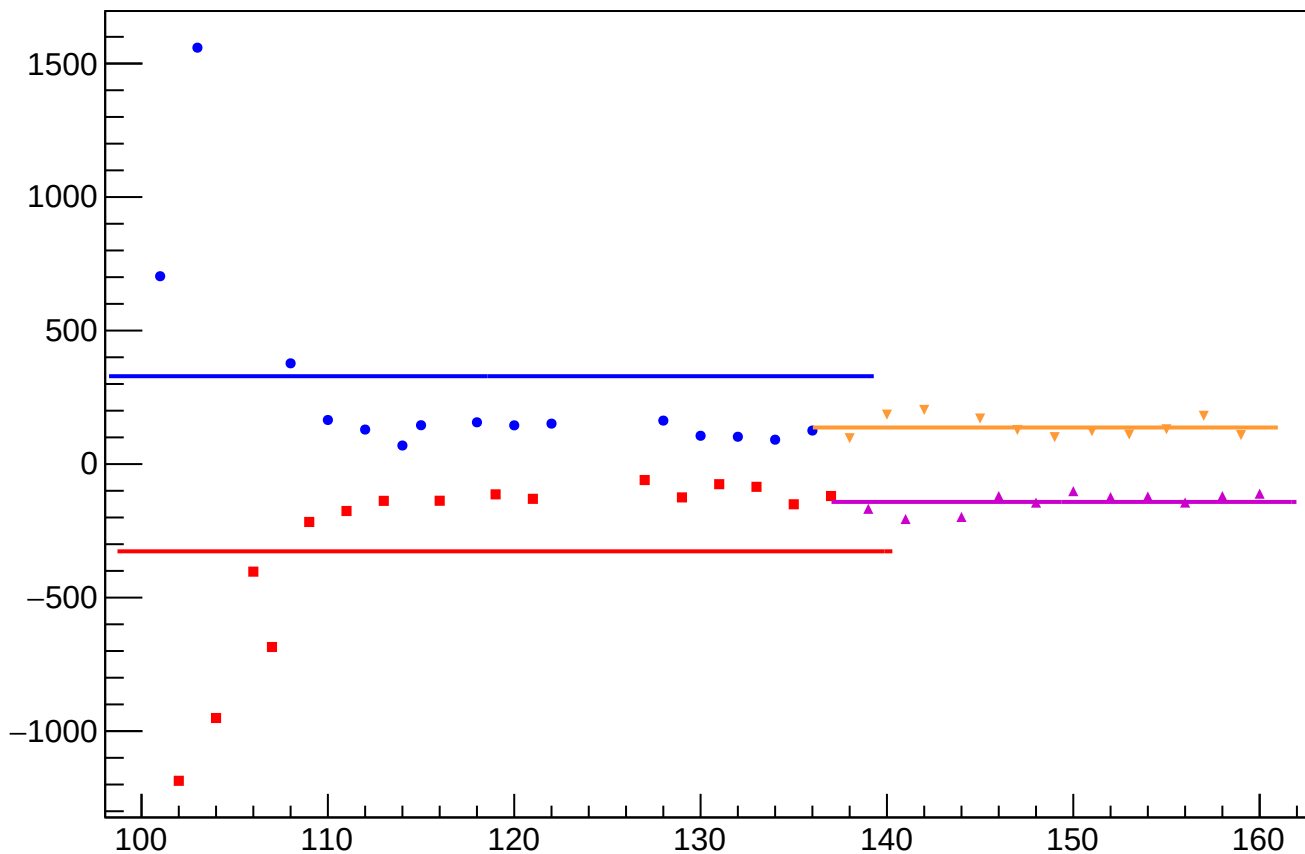
Left In: 1096.508+/-0.000

χ^2/NDF : 23397092464085092375008014674557927424.0/10

All: 76.698+/-0.000

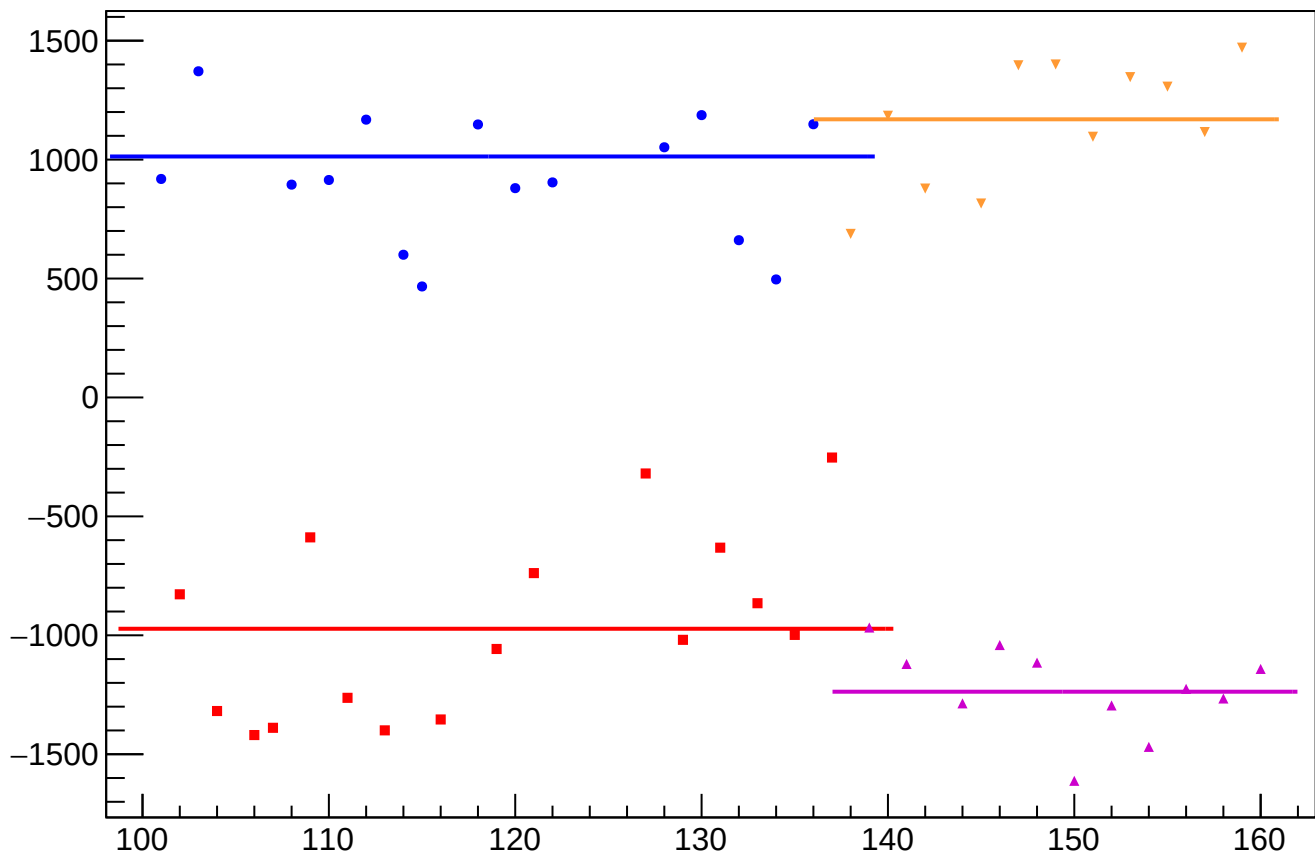
χ^2/NDF : 4464746513505

dit_usl_coil6_err_mean vs Slug, Sign Corrected



Right In: 329.108 +/- 0.000 χ^2/NDF : 116863820700538623524207945698672377856.0/14
 Left Out: 137.012 +/- 0.000 χ^2/NDF : 1014362817438194132709655172622581760.0/10
 Right Out: -326.695 +/- 0.000 χ^2/NDF : 87569123354318020688611028415151079424.0/15
 Left In: -141.688 +/- 0.000 χ^2/NDF : 1044882408057849194081424130600599552.0/10
 All: -6.215 +/- 0.000 χ^2/NDF : 3823059515642

dit_usl_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1169.420+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52359058528484212152975817930553950208.0/10

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -86.182+/-0.000 χ^2/NDF : 2642058453366472

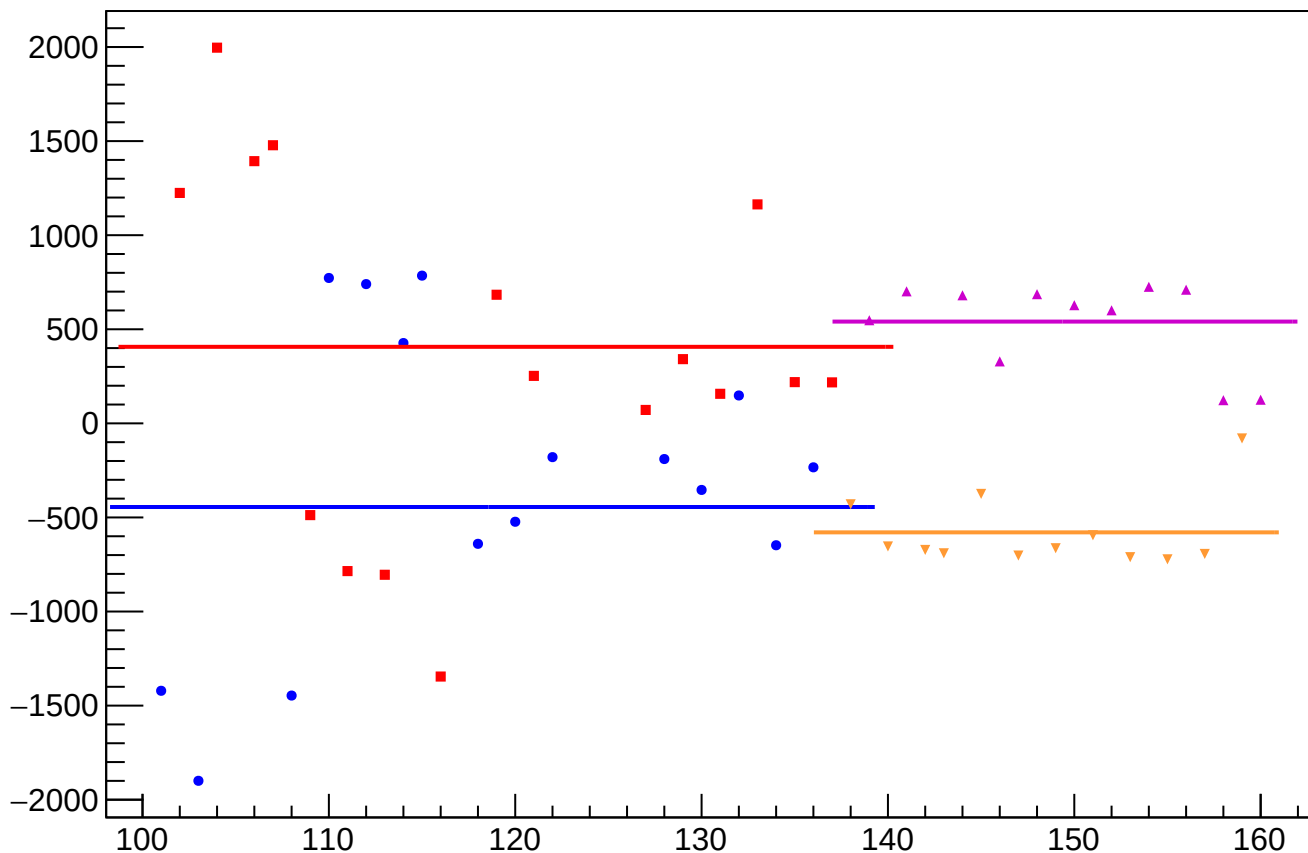
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 225.803+/-0.000 χ^2/NDF : 1843132897386969

All: -46.560+/-0.000 χ^2/NDF : 405607578172

dit_usr_coil6_mean vs Slug, Sign Corrected



Right In: -444.512+/-0.000

χ^2/NDF : 396481903501593703066535851229953654784.0/14

Left: -16.168+/-0.000 χ^2/NDF : 6517518654293770

Right: -13.070+/-0.000 χ^2/NDF : 116395703795034

Left Out: -579.272+/-0.000

χ^2/NDF : 32584581524528860941595597407042666496.0/11

In: 134.297+/-0.000 χ^2/NDF : 80929743970512617

Right Out: 406.729+/-0.000

χ^2/NDF : 529122421866774810012941782239129108480.0/15

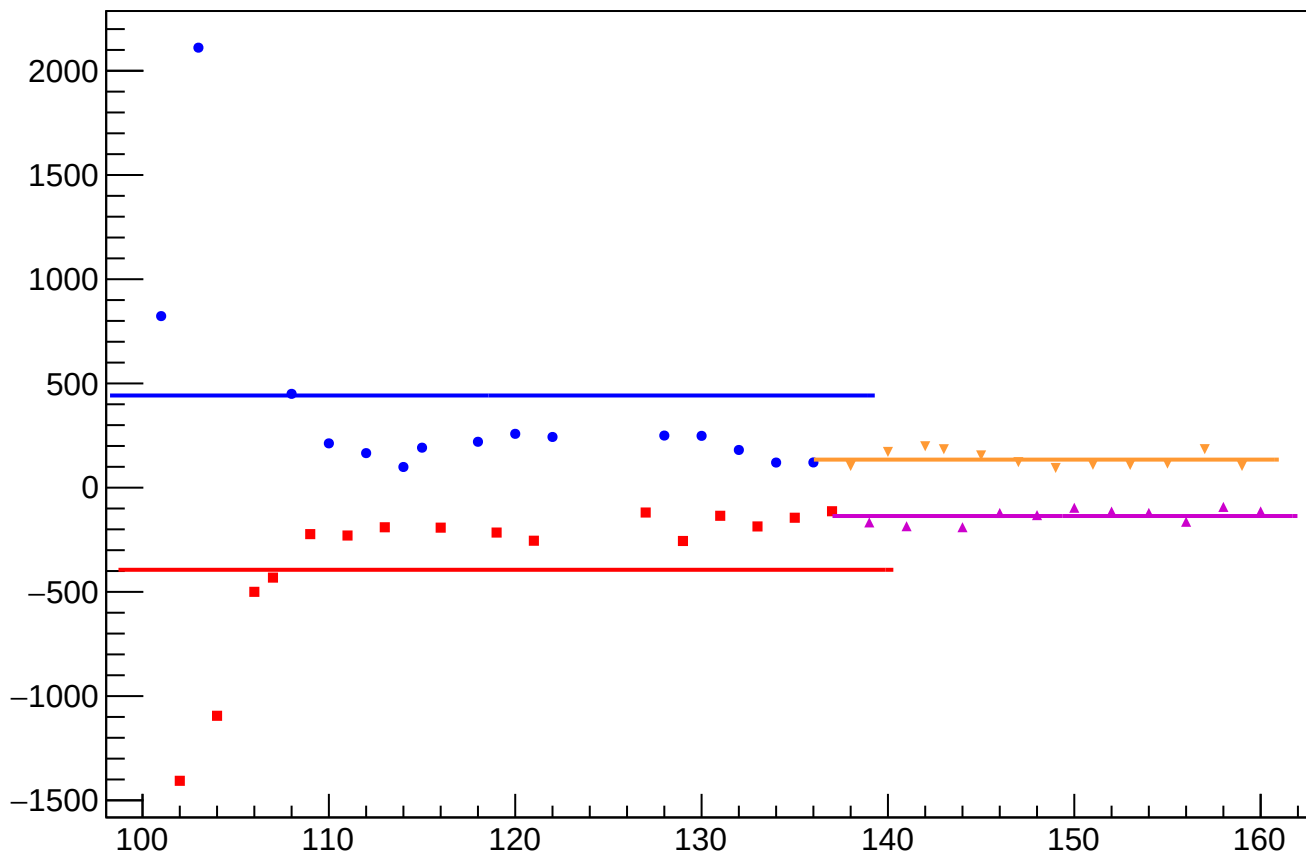
Out: -163.293+/-0.000 χ^2/NDF : 936589740364006

Left In: 540.842+/-0.000

χ^2/NDF : 42670193317497817911030367466366697472.0/10

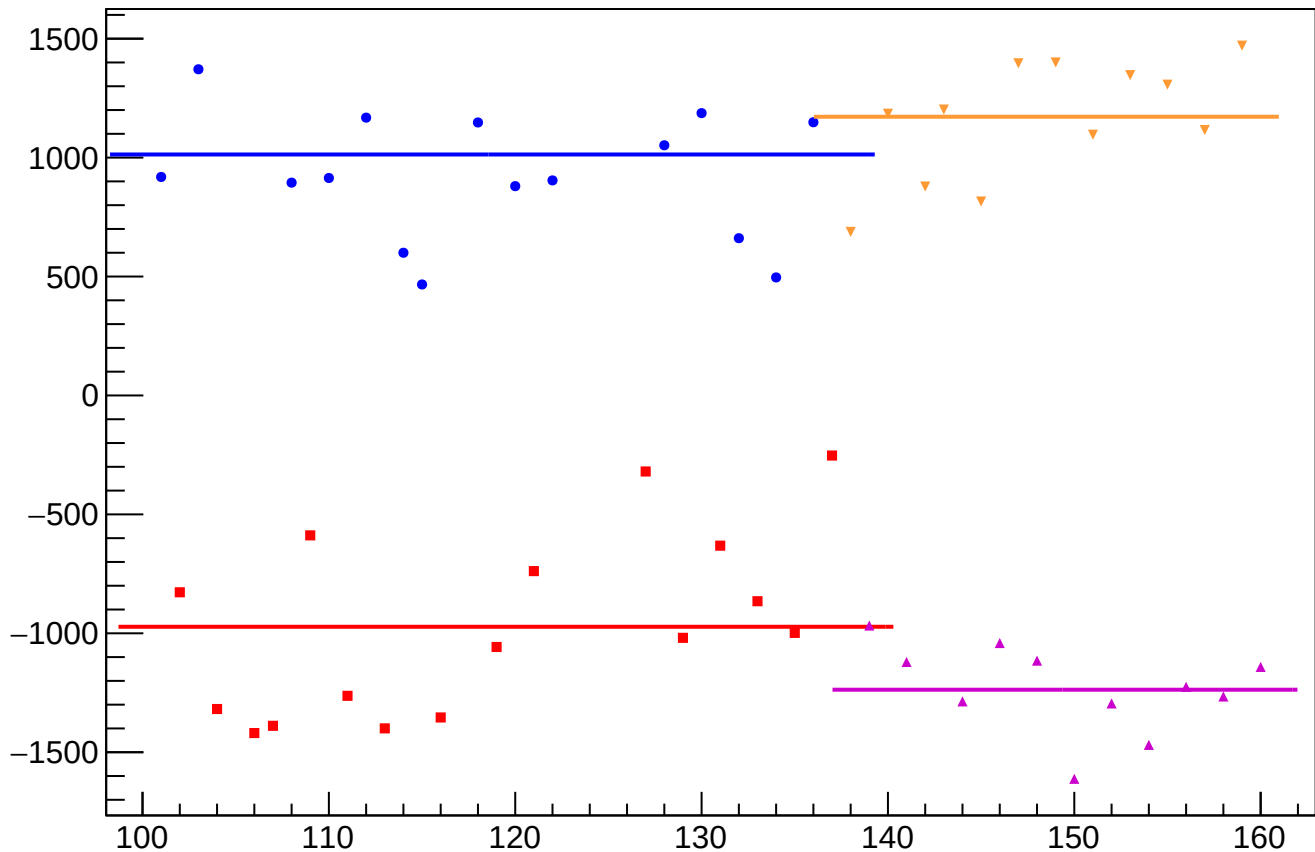
All: -14.875+/-0.000 χ^2/NDF : 181571626575

dit_usr_coil6_err_mean vs Slug, Sign Corrected



Right In: 442.162 ± 0.000 $\chi^2/\text{NDF}: 204015999343694089140945697316947361792.0/14$
 Left Out: 134.562 ± 0.000 $\chi^2/\text{NDF}: 1123122265403287497024317633834516480.0/11$
 Right Out: -394.033 ± 0.000 $\chi^2/\text{NDF}: 105882611624182009489804426207740035072.0/15$
 Left In: -136.040 ± 0.000 $\chi^2/\text{NDF}: 1011093061479650527261127450495549440.0/10$
 All: 6.795 ± 0.000 $\chi^2/\text{NDF}: 57598156309211$

dit_usr_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

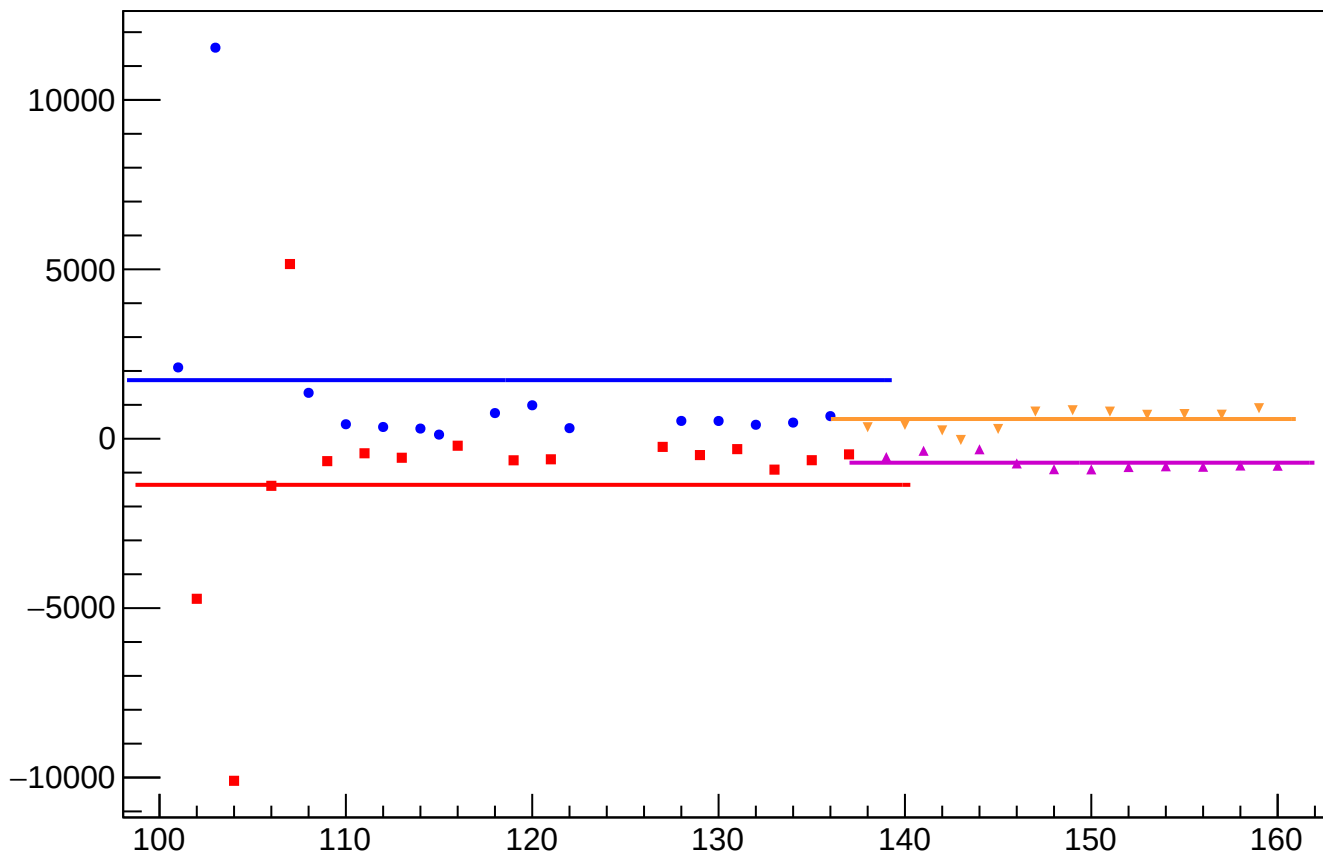
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

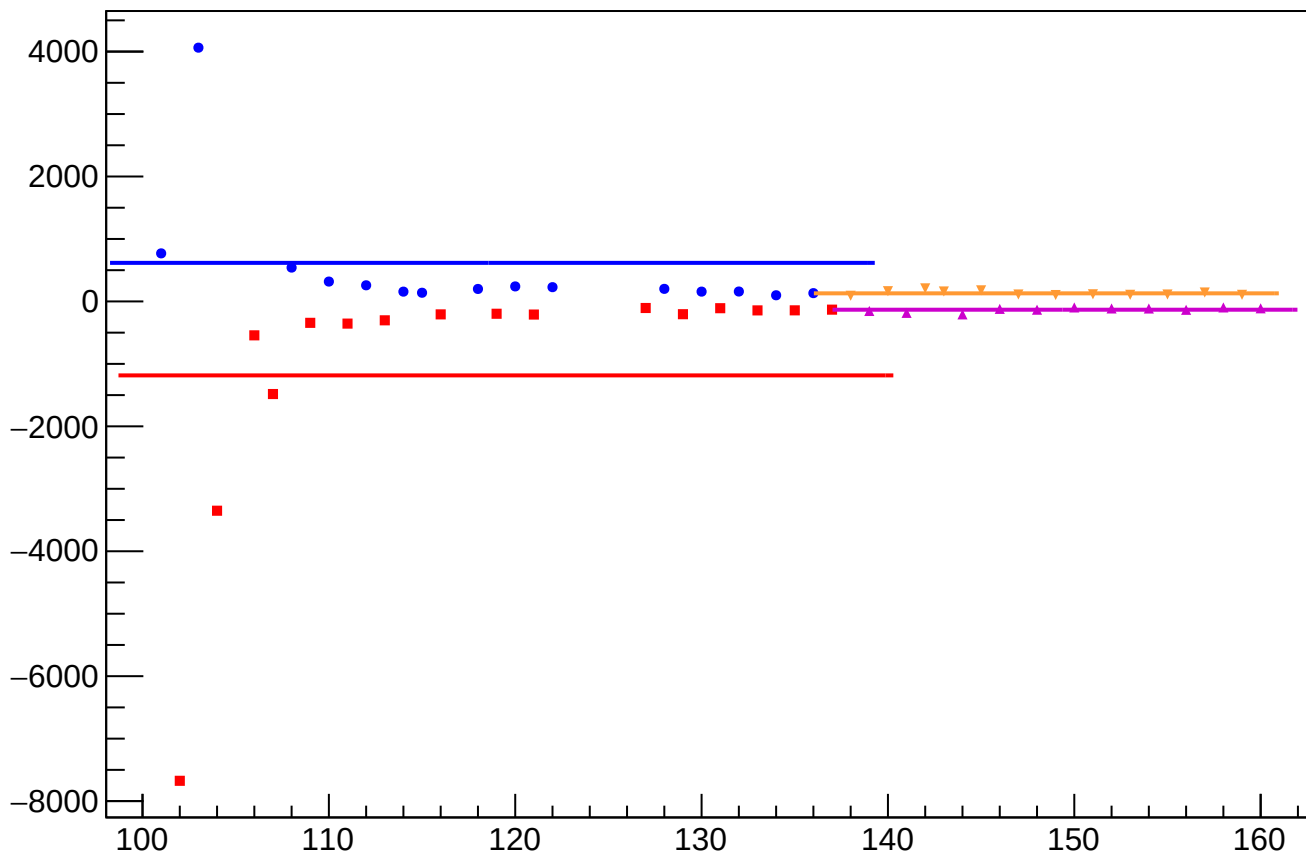
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atl1_coil6_mean vs Slug, Sign Corrected



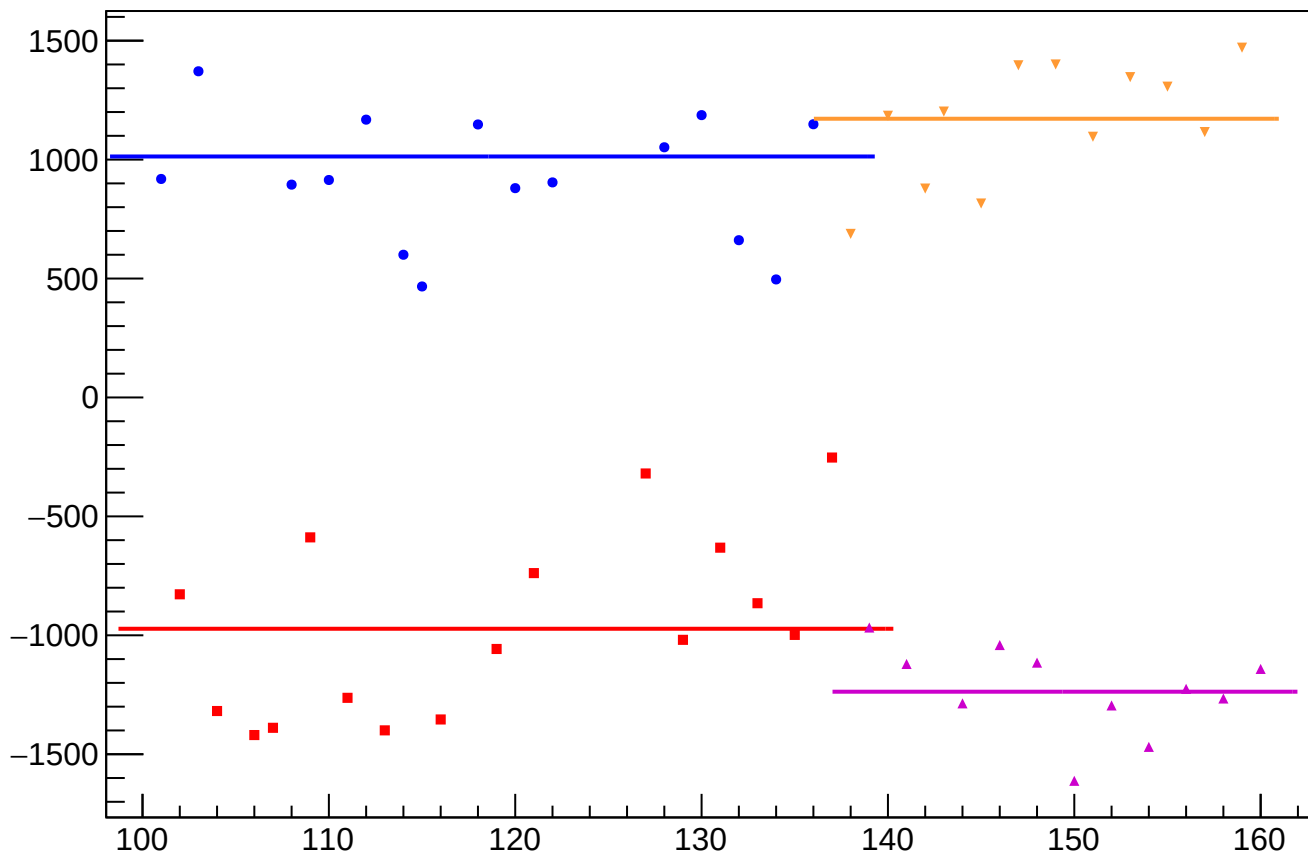
Right In: 1729.013+/-0.000 χ^2/NDF : 6413121297273347408075624116507964866560.0/14
 Left Out: 582.152+/-0.000 χ^2/NDF : 70083772647831486125732989768801714176.0/11
 Right Out: -1360.914+/-0.000 χ^2/NDF : 6431605933148863413038417850186506174464.0/15
 Left In: -707.889+/-0.000 χ^2/NDF : 38116486188817980699032426002432131072.0/10
 All: 29.296+/-0.000 χ^2/NDF : 1689851779226

dit_atl1_coil6_err_mean vs Slug, Sign Corrected



Right In: 617.343 +/- 0.000 χ^2/NDF : 792366012985954198345317750268755968000.0/14
 Left Out: 129.339 +/- 0.000 χ^2/NDF : 987271298758703212489370439899938816.0/11
 Right Out: -1184.322 +/- 0.000 χ^2/NDF : 3167423043121242666563535820496559931392.0/15
 Left In: -132.869 +/- 0.000 χ^2/NDF : 1091839085664014112201463155711279104.0/10
 All: -124.871 +/- 0.000 χ^2/NDF : 51271793033

dit_atl1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

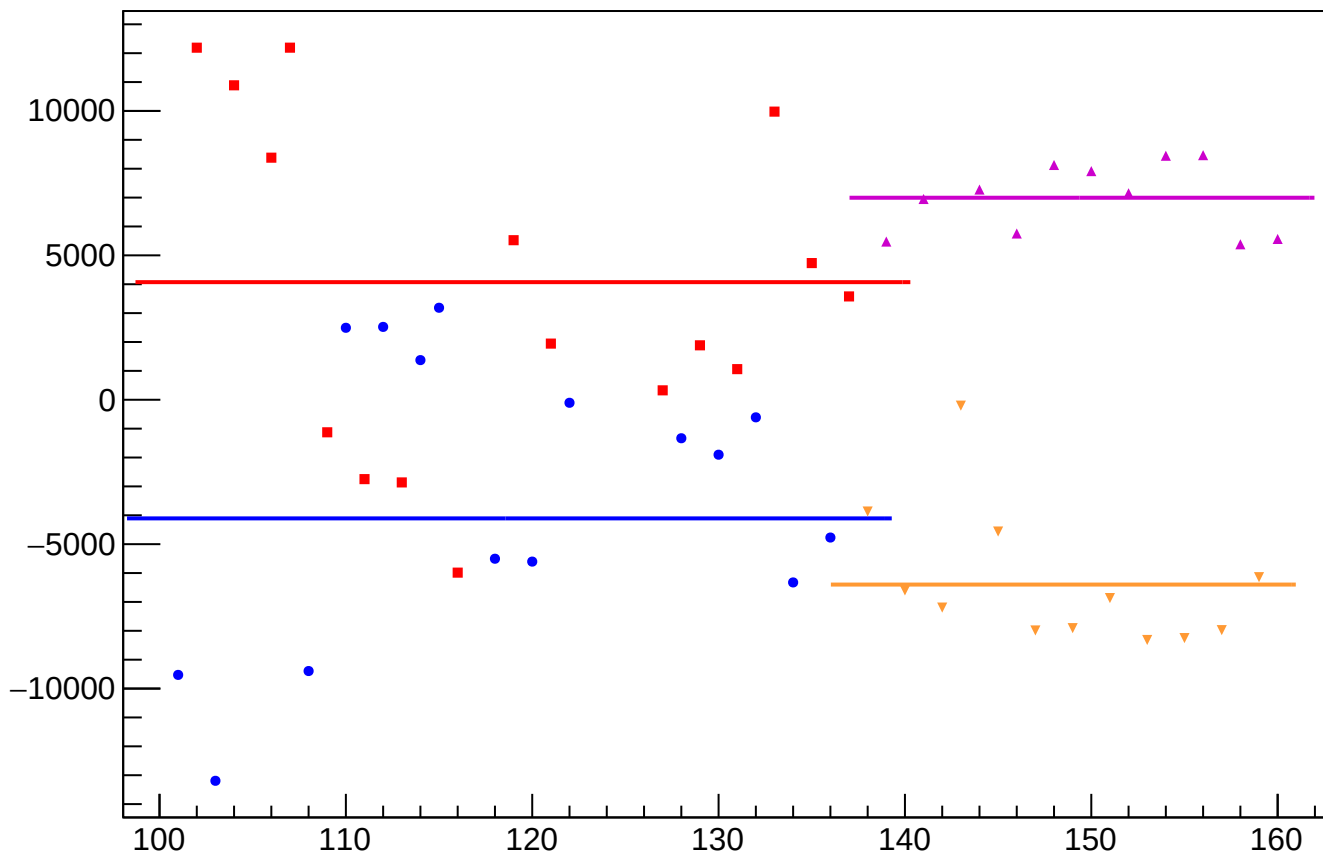
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atl2_coil6_mean vs Slug, Sign Corrected



Right In: -4107.443+/-0.000

Left Out: -6398.906+/-0.000

Right Out: 4072.120+/-0.000

Left In: 6994.812+/-0.000

χ^2/NDF : 14527436324982031454277780831211819630592.0/14

χ^2/NDF : 4560292812943761149136938286094472970240.0/11

χ^2/NDF : 20367171423690168095778854678764929941504.0/15

χ^2/NDF : 1231738289385705389055875270097690951680.0/10

Left: 334.389+/-0.000 χ^2/NDF : 8822007925031666

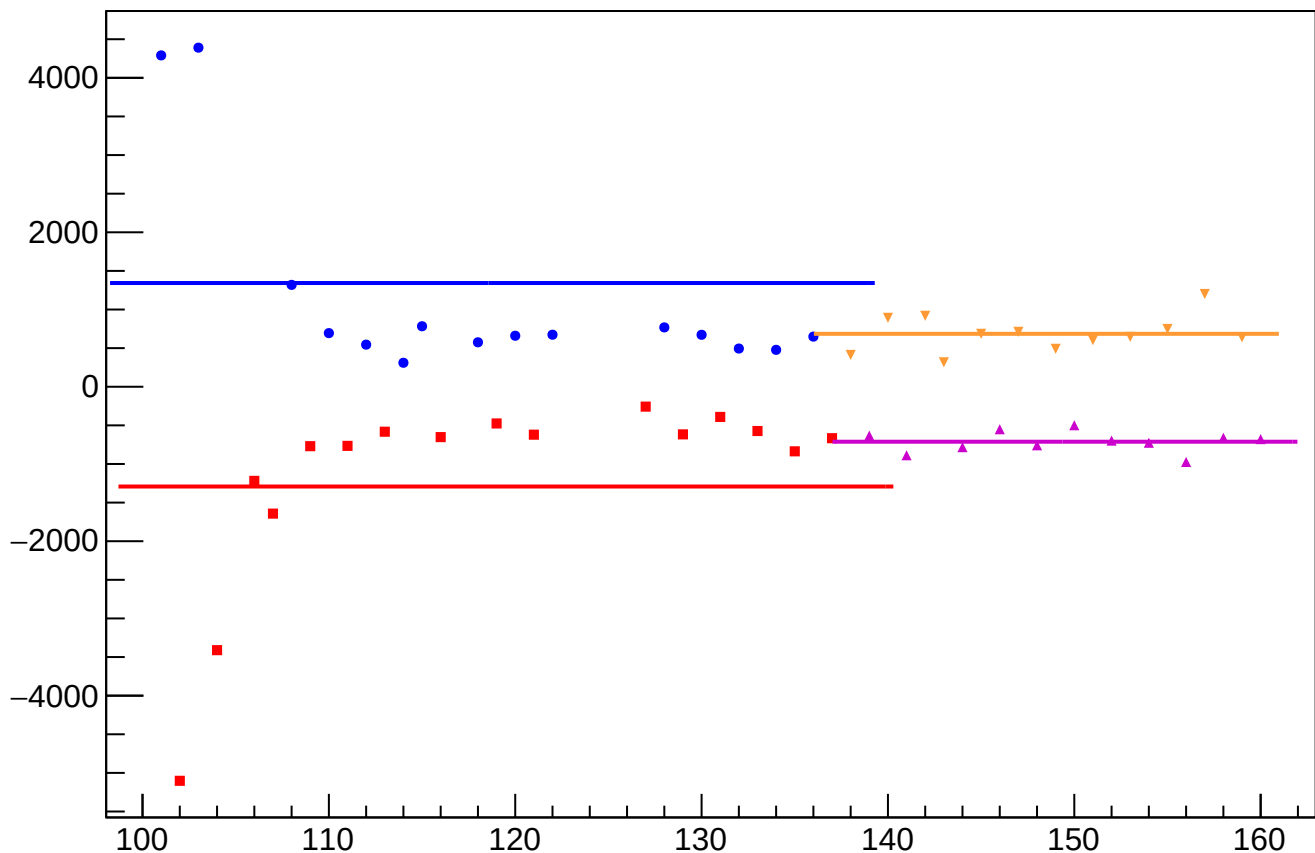
Right: 38.278+/-0.000 χ^2/NDF : 5690231407009786

In: 2414.162+/-0.000 χ^2/NDF : 6274970680925114

Out: -1981.339+/-0.000 χ^2/NDF : 67205872968541

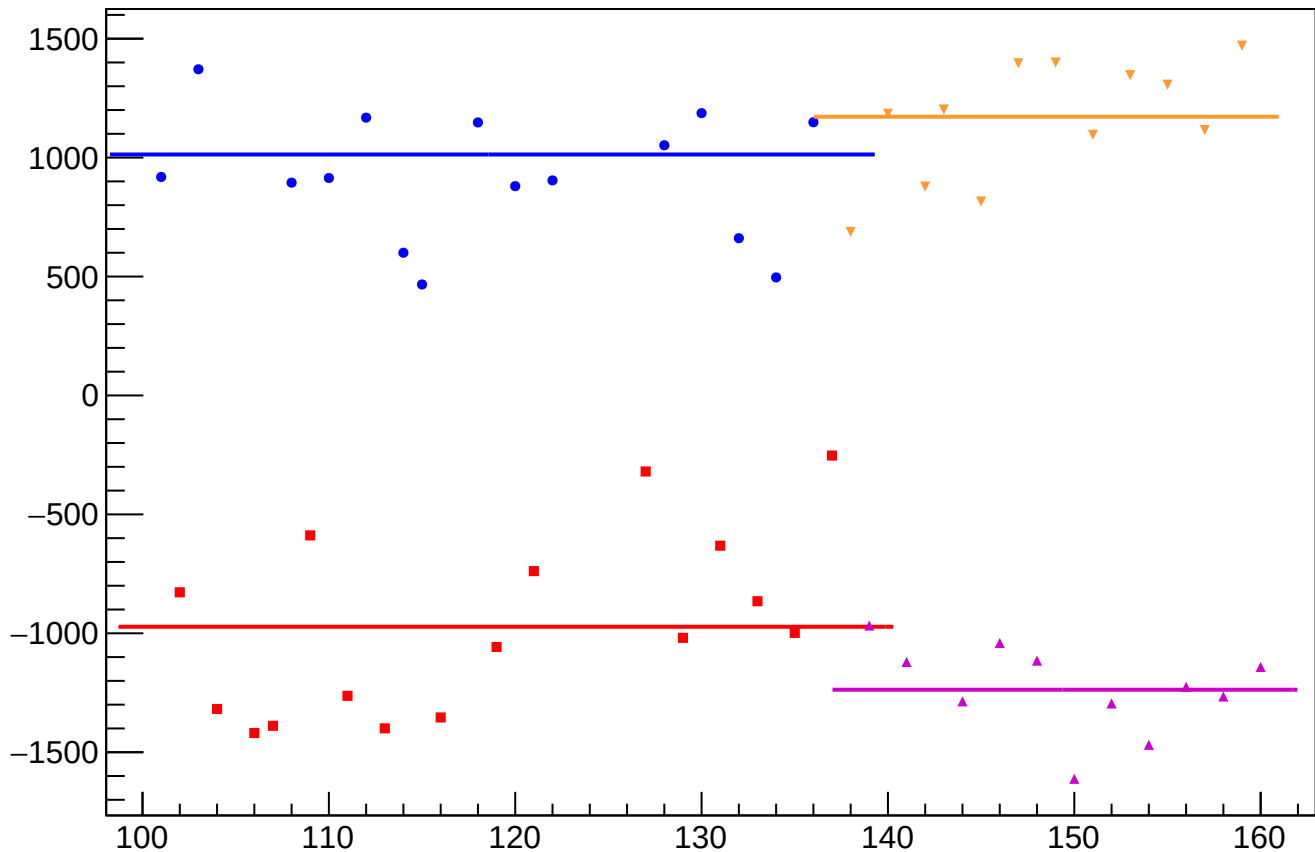
All: 210.837+/-0.000 χ^2/NDF : 145189636575

dit_atl2_coil6_err_mean vs Slug, Sign Corrected



Right In: 1343.321+/-0.000 χ^2/NDF : 1317478352429773686550511077330771771392.0/14
 Left Out: 685.307+/-0.000 χ^2/NDF : 46333249080985813233742212153458294784.0/11
 Right Out: -1291.796+/-0.000 χ^2/NDF : 1323568917008872977905960011586991030272.0/15
 Left In: -711.726+/-0.000 χ^2/NDF : 15873419979583207307068429247017123840.0/10
 All: -6.683+/-0.000 χ^2/NDF : 5884601406998

dit_atl2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

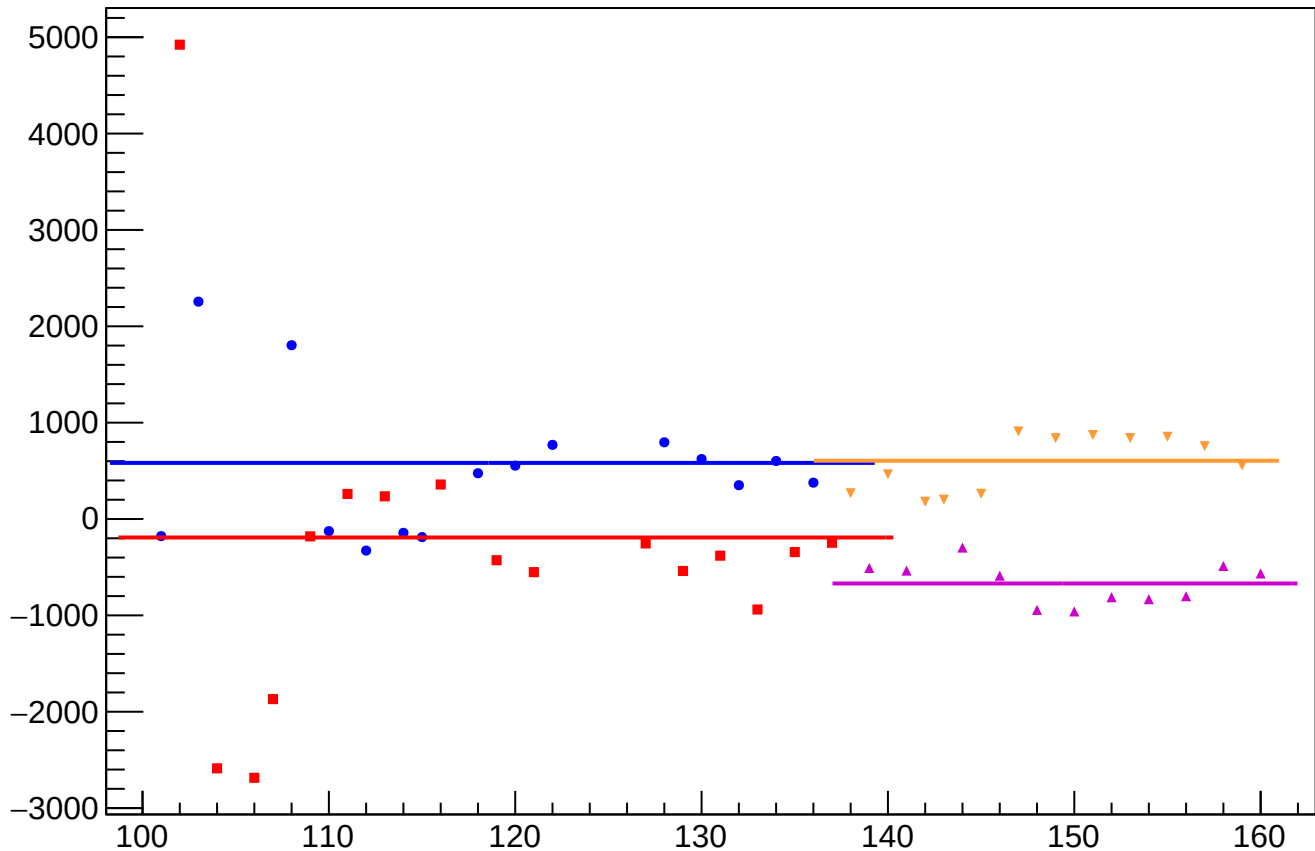
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atr1_coil6_mean vs Slug, Sign Corrected



Right In: 582.390+/-0.000

χ^2/NDF : 338796567623032040072791996460490031104.0/14

Left Out: 605.074+/-0.000

χ^2/NDF : 67912515245446196729937130882705915904.0/11

Right Out: -191.587+/-0.000

χ^2/NDF : 2168762120552346223416743005020716269568.0/15

Left In: -669.155+/-0.000

χ^2/NDF : 39481195240563617253842230522616479744.0/10

Left: -35.507+/-0.000 χ^2/NDF : 8534436967394536

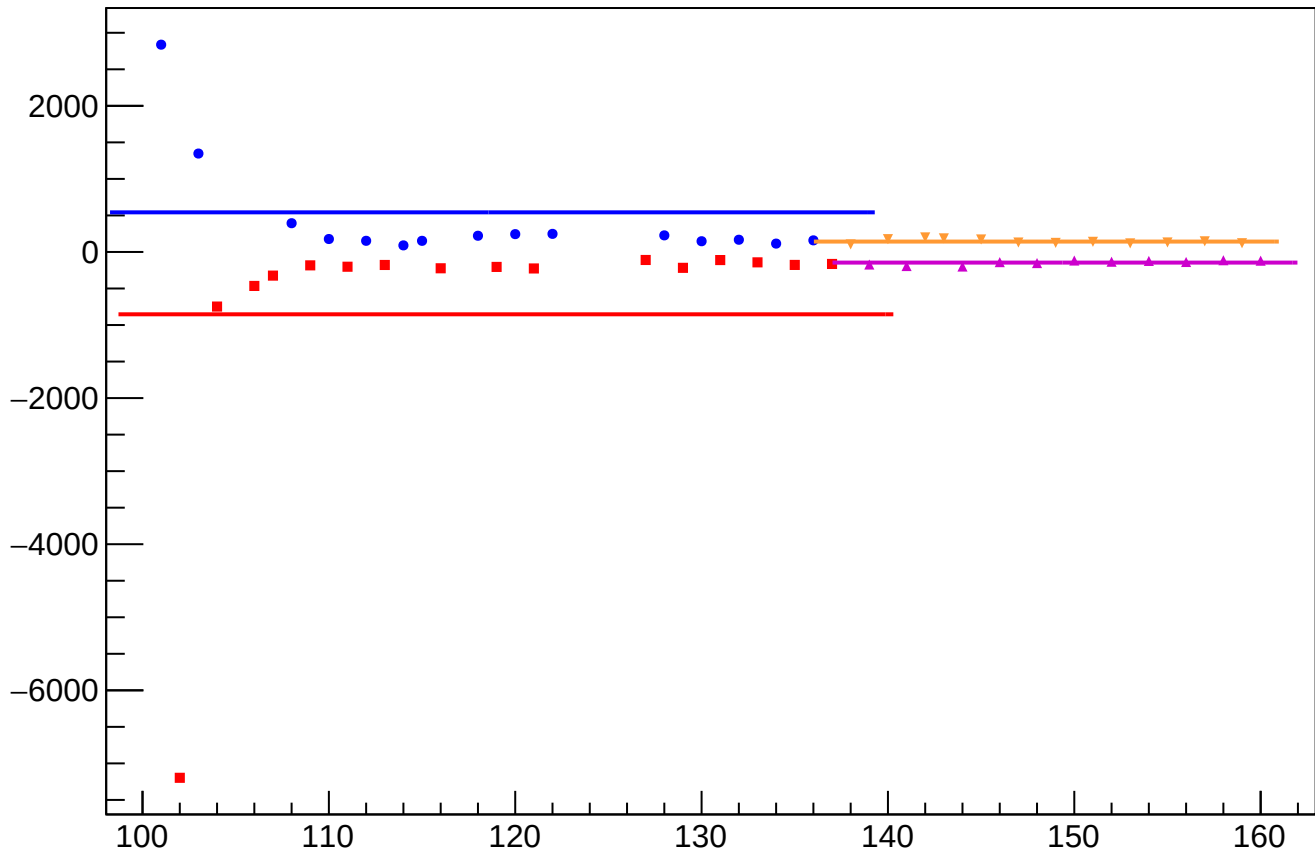
Right: 190.108+/-0.000 χ^2/NDF : 270460615635385

In: -152.784+/-0.000 χ^2/NDF : 9754243982311555

Out: 268.975+/-0.000 χ^2/NDF : 2481404905102664

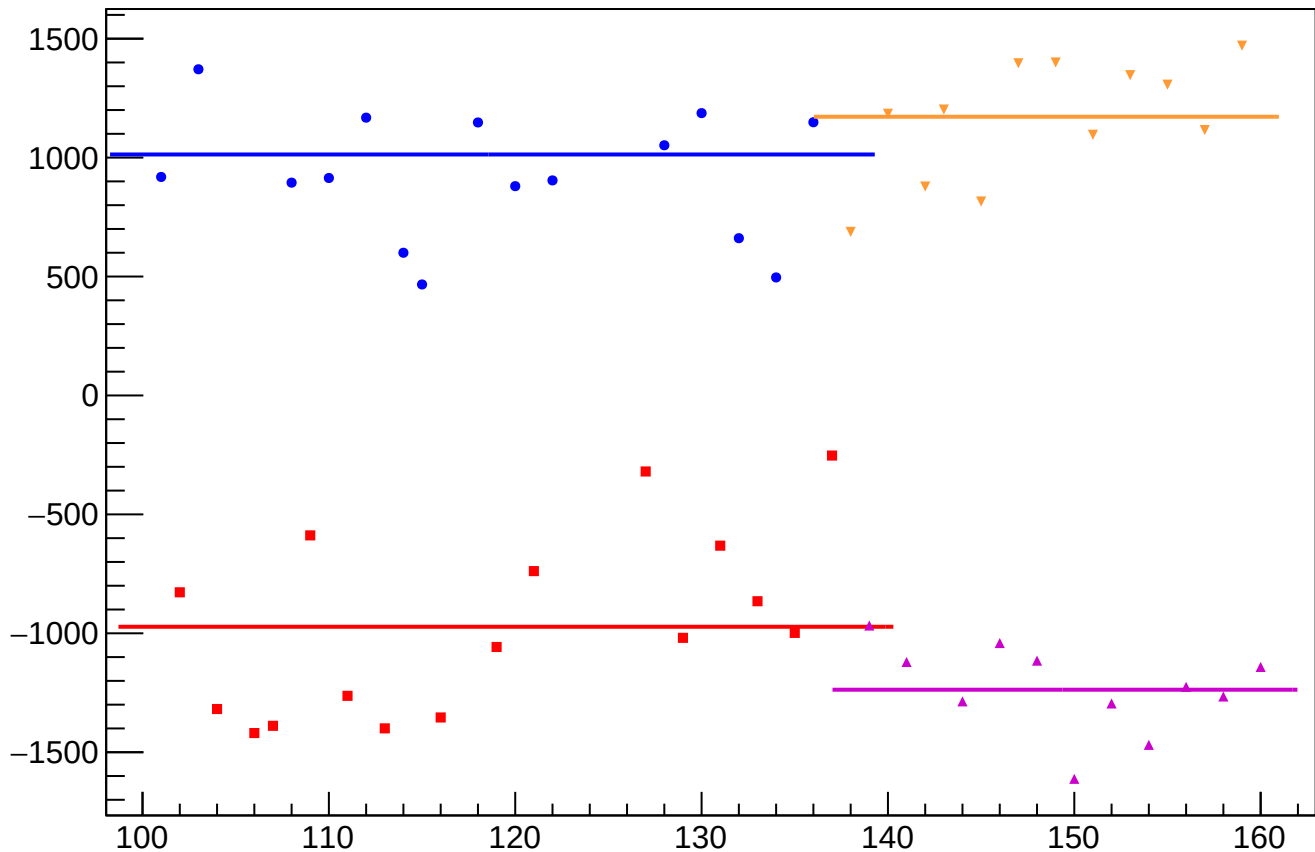
All: 58.630+/-0.000 χ^2/NDF : 3597086809072

dit_atr1_coil6_err_mean vs Slug, Sign Corrected



Left: -2.367 +/- 0.000 χ^2/NDF : 39549748395756711
 Right In: 542.328 +/- 0.000 χ^2/NDF : 414378812003795549649034048462817067008.0/14
 Right: -164.982 +/- 0.000 χ^2/NDF : 36290648240362
 Left Out: 142.333 +/- 0.000 χ^2/NDF : 699754234994212847043453967042347008.0/11
 In: 138.288 +/- 0.000 χ^2/NDF : 5955245908966435
 Right Out: -853.203 +/- 0.000 χ^2/NDF : 2574076381441046787772449137133917044736.0/15
 Out: -277.669 +/- 0.000 χ^2/NDF : 295694420364328
 Left In: -145.502 +/- 0.000 χ^2/NDF : 782066035610550272928661281894825984.0/10
 All: -70.218 +/- 0.000 χ^2/NDF : 368889410963

dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

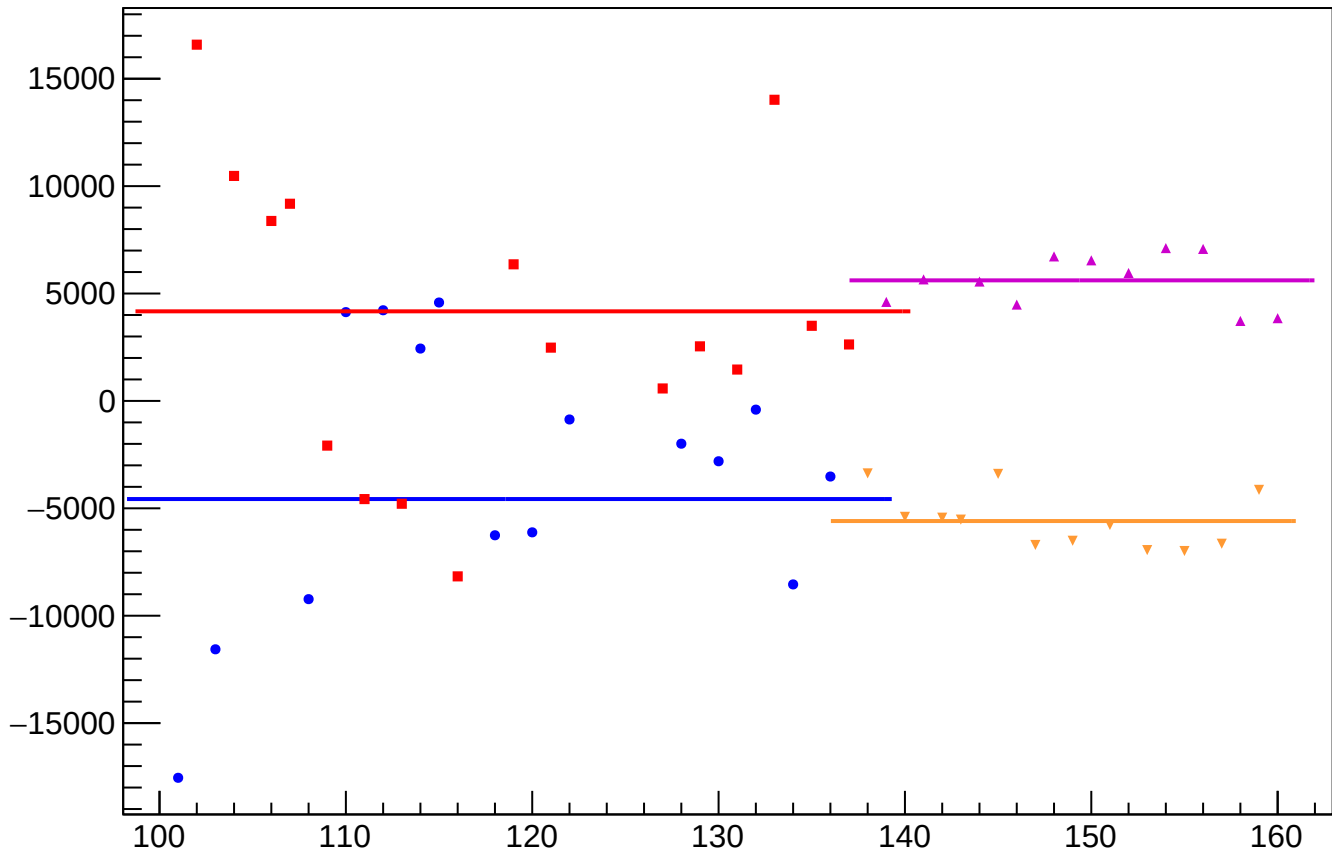
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atr2_coil6_mean vs Slug, Sign Corrected



Right In: -4568.297+/-0.000

Left Out: -5592.357+/-0.000

Right Out: 4170.773+/-0.000

Left In: 5613.024+/-0.000

χ^2/NDF : 24195052148165719540713110921977756909568.0/14

χ^2/NDF : 1502507998590915650067934753088681803776.0/11

χ^2/NDF : 30967248832187912041113909559481103024128.0/15

χ^2/NDF : 1272210659936261957248133173503170969600.0/10

Left: 40.816+/-0.000 χ^2/NDF : 60468092890171926

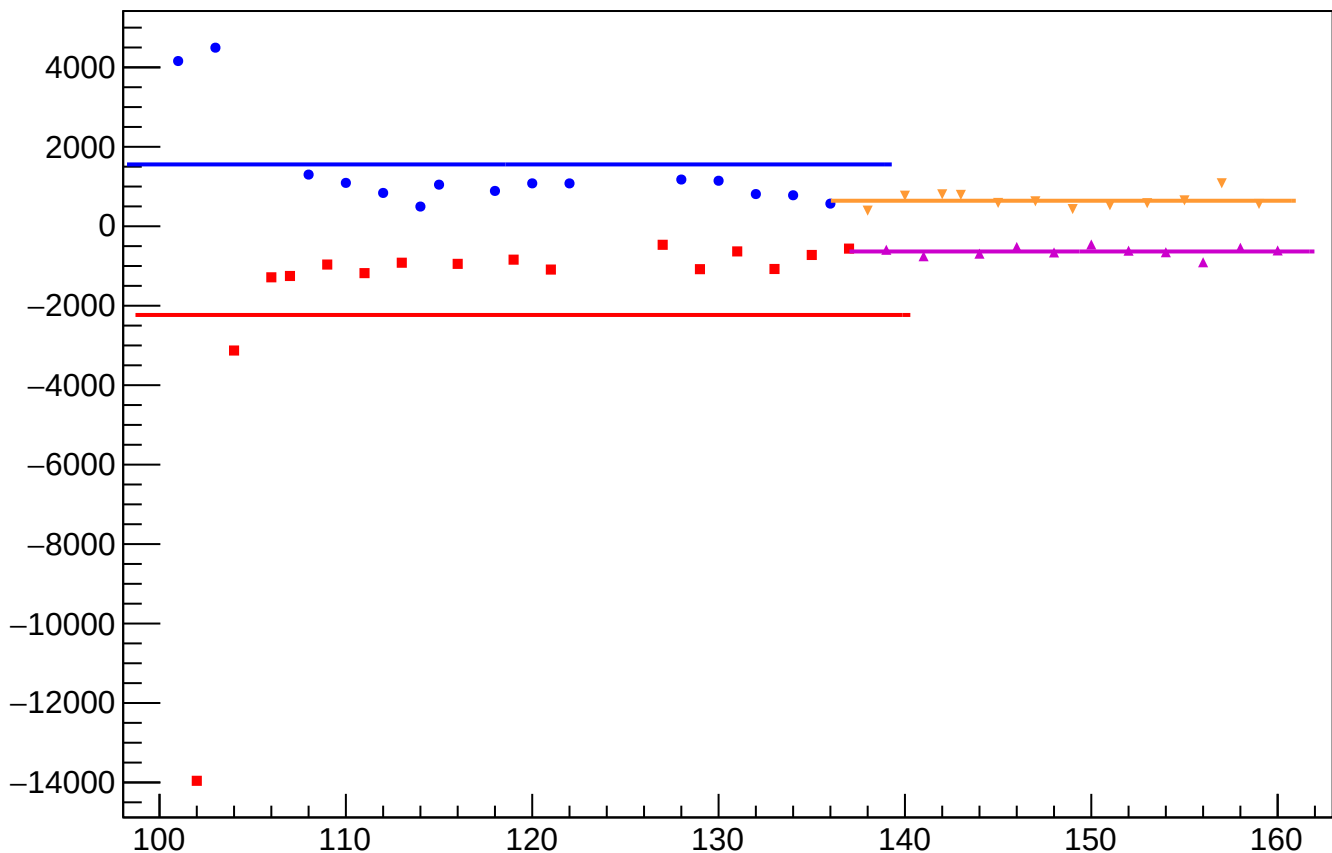
Right: -138.996+/-0.000 χ^2/NDF : 80283768430562

In: 1412.339+/-0.000 χ^2/NDF : 6498537450862054

Out: -1473.440+/-0.000 χ^2/NDF : 69224914404037

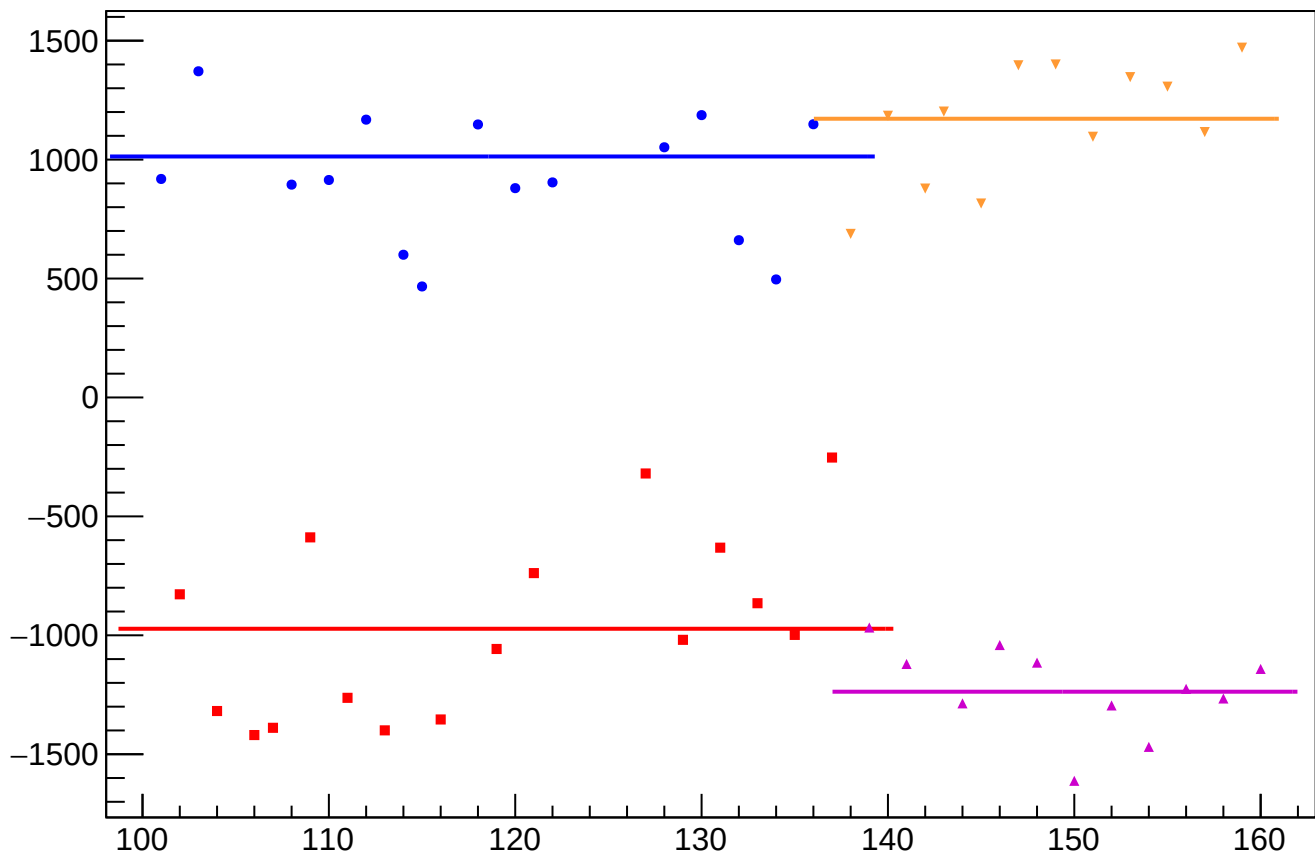
All: -34.210+/-0.000 χ^2/NDF : 140776657149

dit_atr2_coil6_err_mean vs Slug, Sign Corrected



Right In: 1556.763+/-0.000 χ^2/NDF : 1139364239218600567191855131756930793472.0/14
 Left Out: 642.639+/-0.000 χ^2/NDF : 29931346030134316080818937490076336128.0/11
 Right Out: -2232.520+/-0.000 χ^2/NDF : 8990395725533930134878595569706942332928.0/15
 Left In: -634.562+/-0.000 χ^2/NDF : 12308442809403031190669556314642841600.0/10
 All: -151.463+/-0.000 χ^2/NDF : 15746462164

dit_atr2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

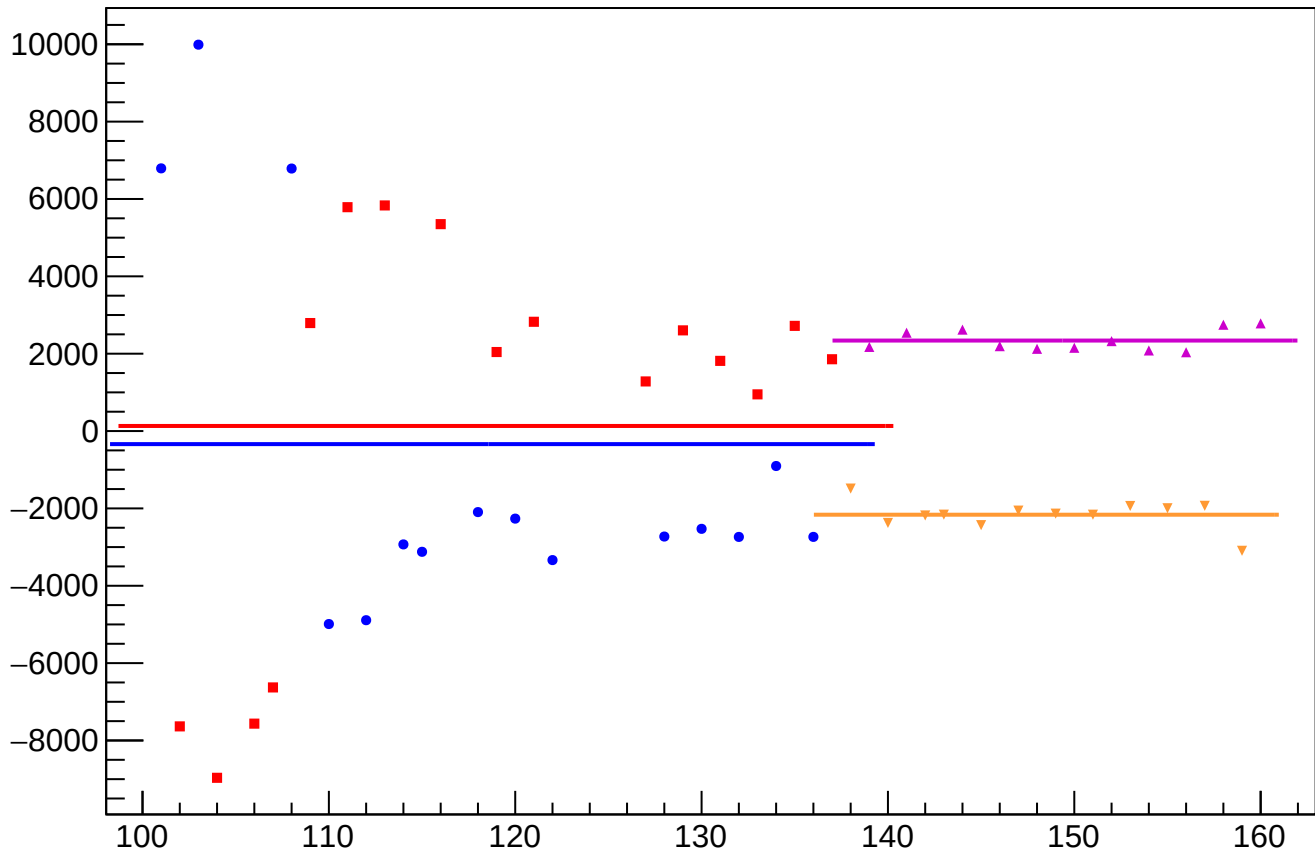
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam1_coil6_mean vs Slug, Sign Corrected



Right In: -337.865+/-0.000

χ^2/NDF : 15152515933007079891661097940762081886208.0/14

Left Out: -2162.857+/-0.000

χ^2/NDF : 126332275232930257638482620391759020032.0/11

Right Out: 131.545+/-0.000

χ^2/NDF : 16473217651078877976377424419956902068224.0/15

Left In: 2339.639+/-0.000

χ^2/NDF : 62860144247456957543810906284181422080.0/10

Left: 100.639+/-0.000 χ^2/NDF : 9504114139630339

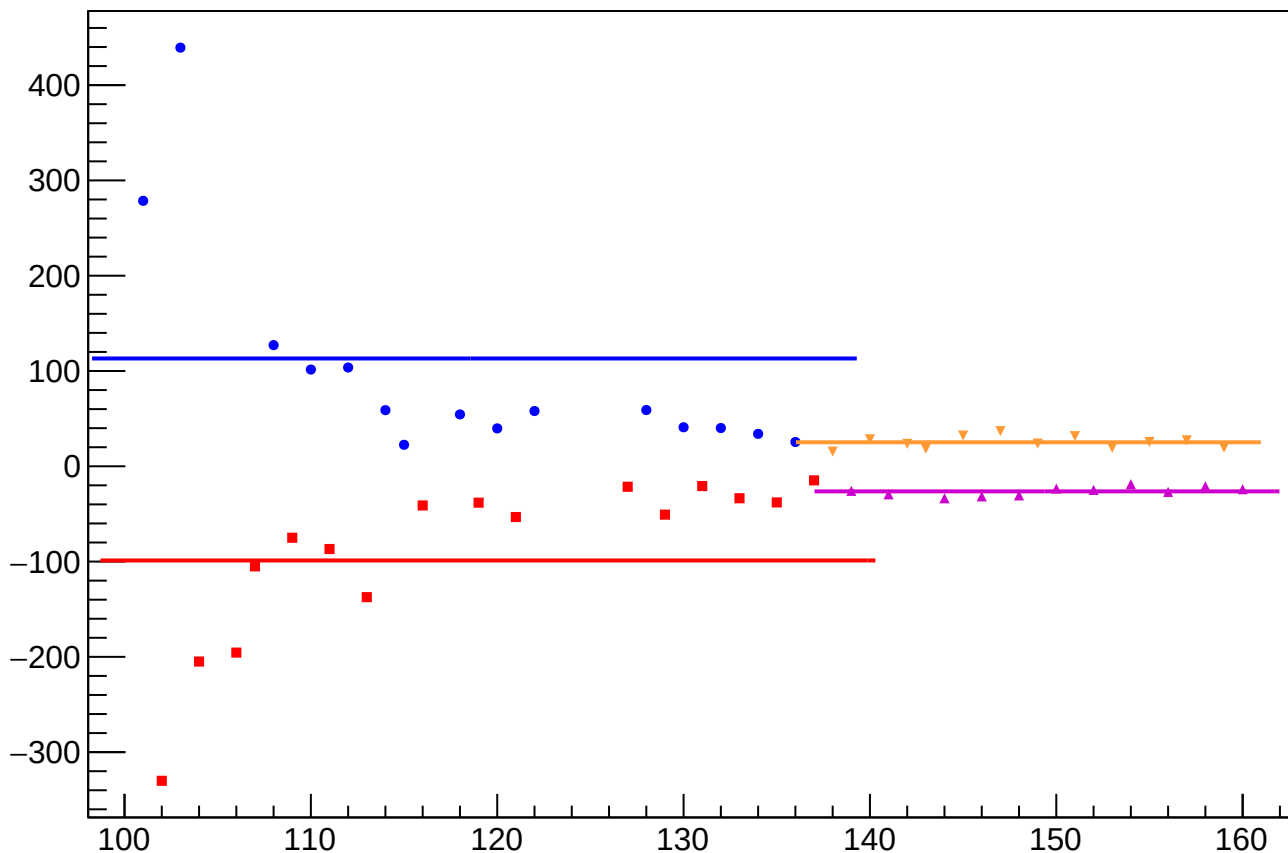
Right: -99.949+/-0.000 χ^2/NDF : 316982138957514

In: 1234.934+/-0.000 χ^2/NDF : 1794842889484232

Out: -1194.883+/-0.000 χ^2/NDF : 18629471707312

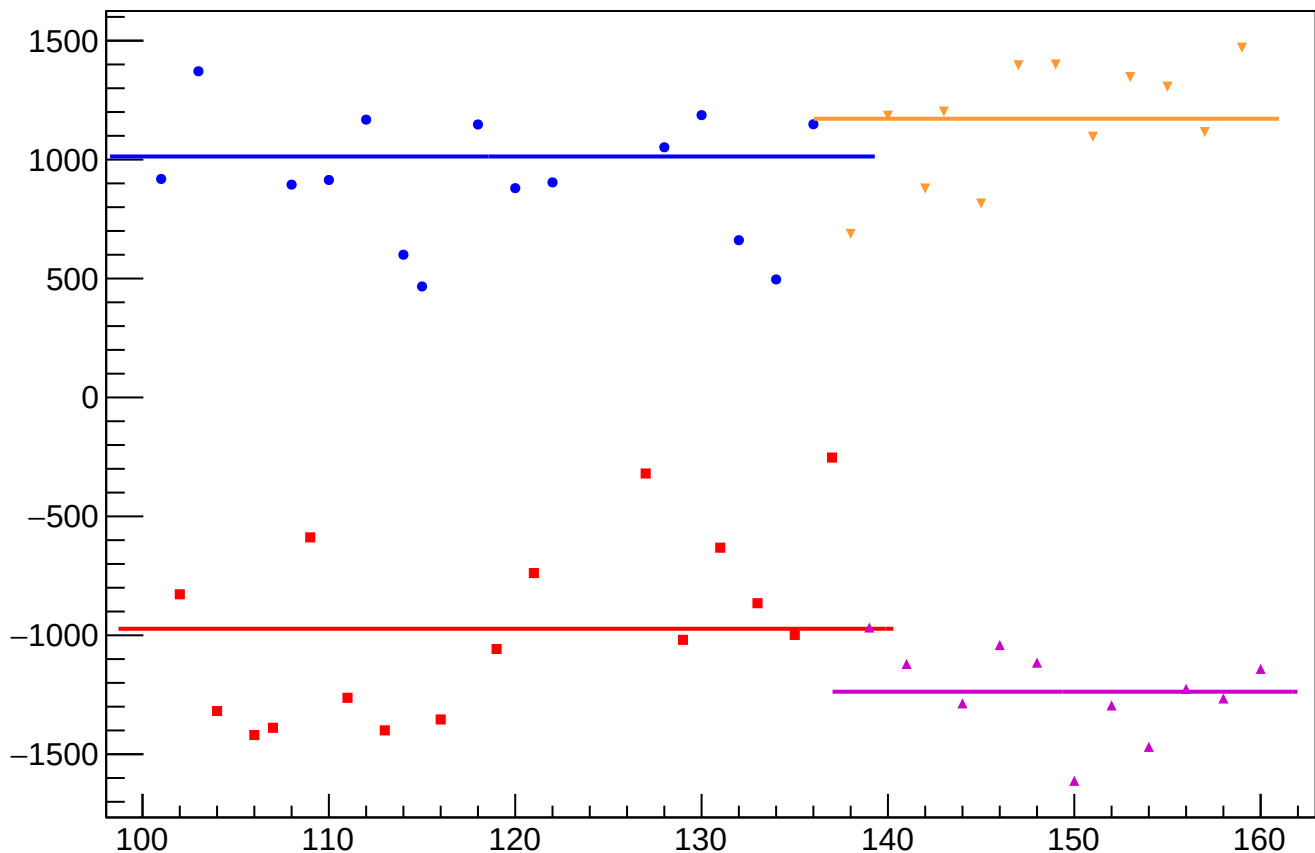
All: 16.944+/-0.000 χ^2/NDF : 4123318495094

dit_sam1_coil6_err_mean vs Slug, Sign Corrected



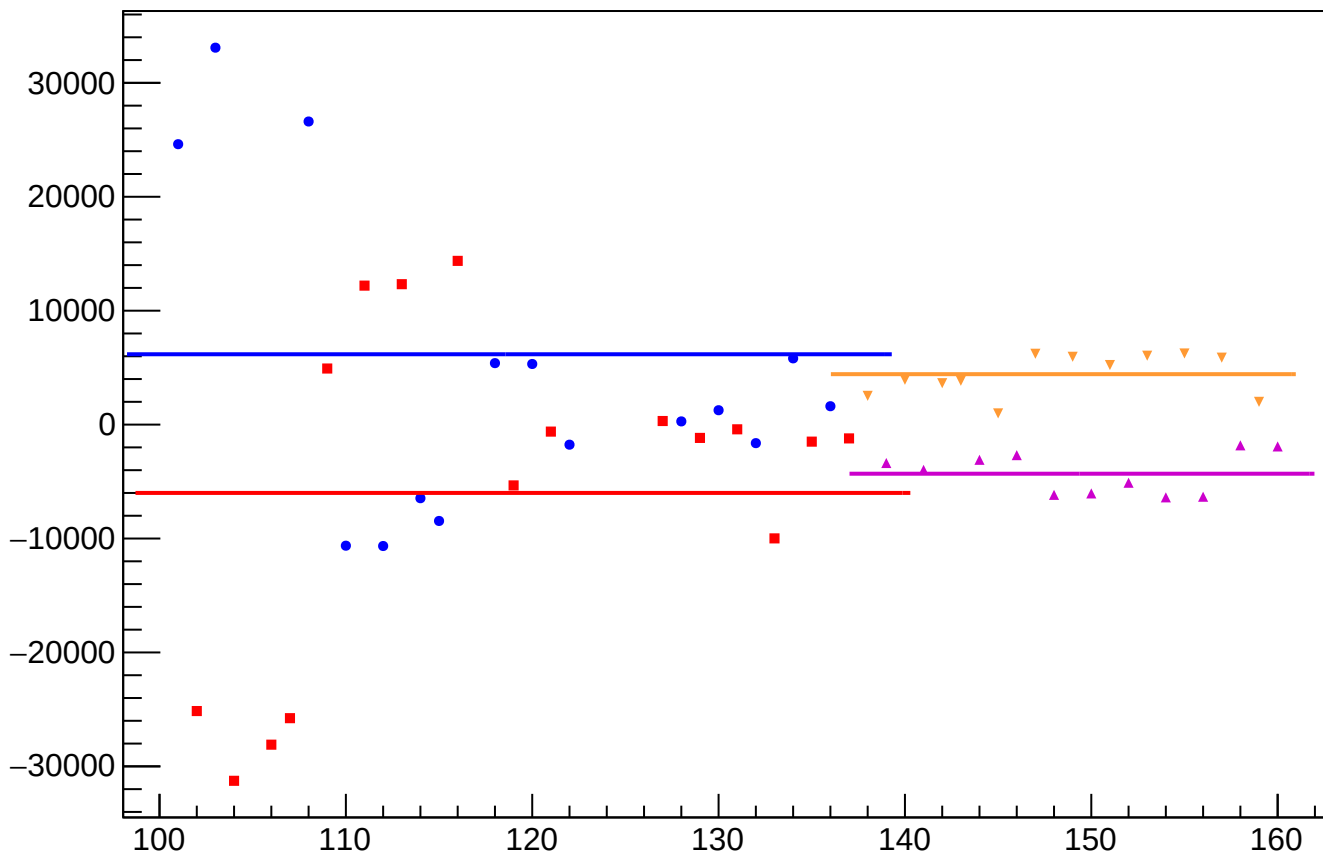
Right In: 113.134 +/- 0.000 χ^2/NDF : 9989638354332004017458192433874468864.0/14
 Left Out: 25.204 +/- 0.000 χ^2/NDF : 35340998729966912863138320392126464.0/11
 Right Out: -98.833 +/- 0.000 χ^2/NDF : 5510365308590426333953610701260980224.0/15
 Left In: -26.331 +/- 0.000 χ^2/NDF : 18142873408814573481950758043648000.0/10
 All: 1.969 +/- 0.000 χ^2/NDF : 31584425444526

dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected



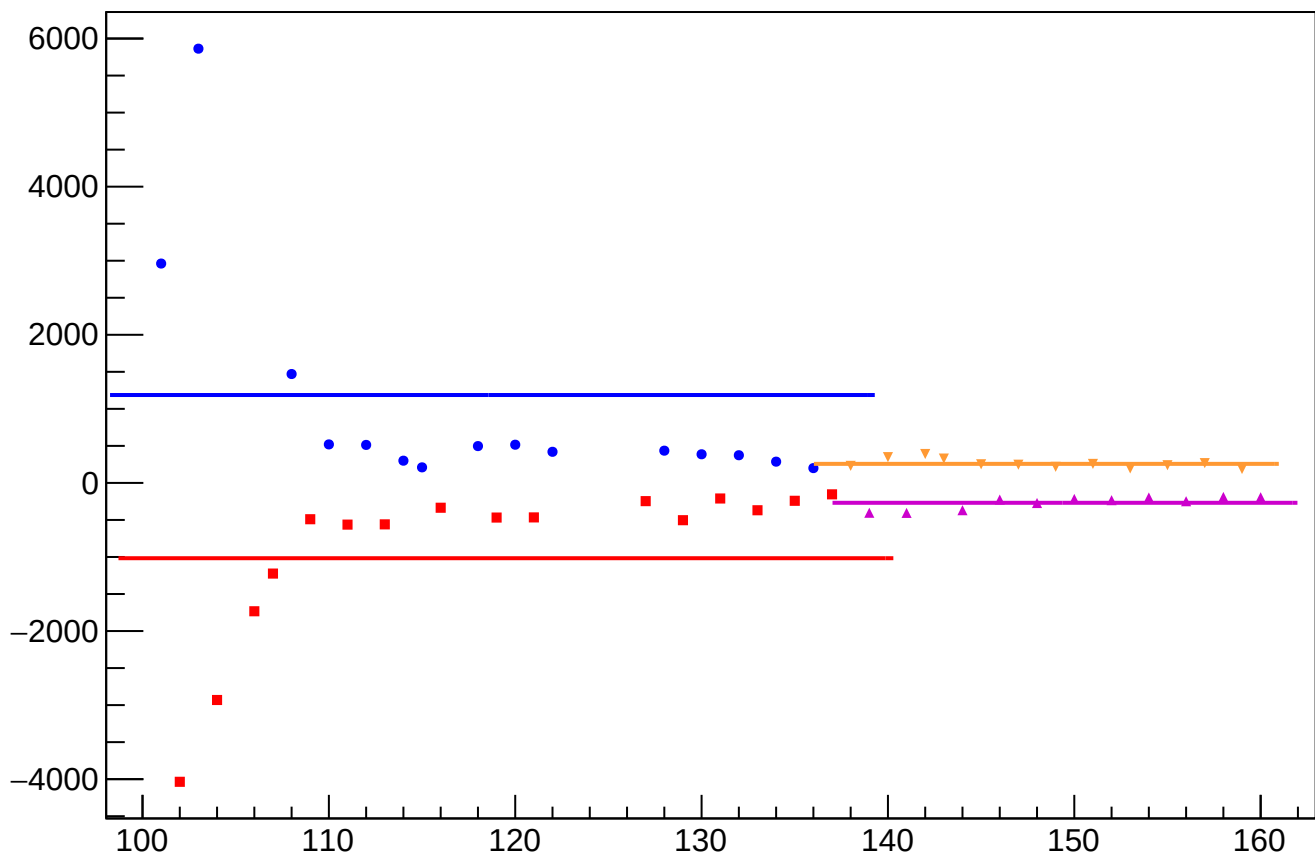
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam2_coil6_mean vs Slug, Sign Corrected



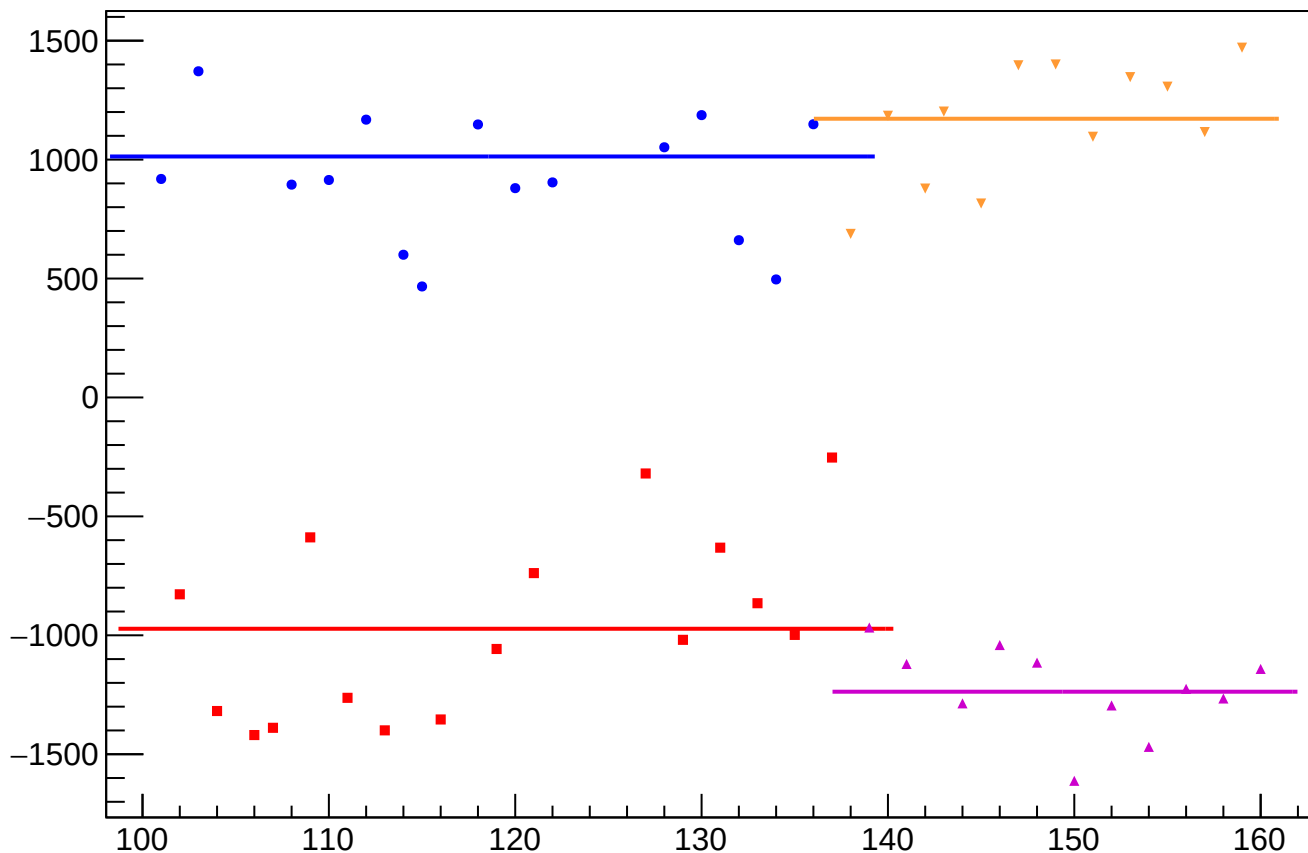
Right In: 6175.493+/-0.000 χ^2/NDF : 117260877162921223967478349050708452442112.0/14
 Left Out: 4428.101+/-0.000 χ^2/NDF : 2900138976874387724183278190835470958592.0/11
 Right Out: -5996.727+/-0.000 χ^2/NDF : 137057710785025136543407710107916356812800.0/15
 Left In: -4310.541+/-0.000 χ^2/NDF : 2687248811790643780000086030830396243968.0/10
 All: 22.962+/-0.000 χ^2/NDF : 3437312552543

dit_sam2_coil6_err_mean vs Slug, Sign Corrected



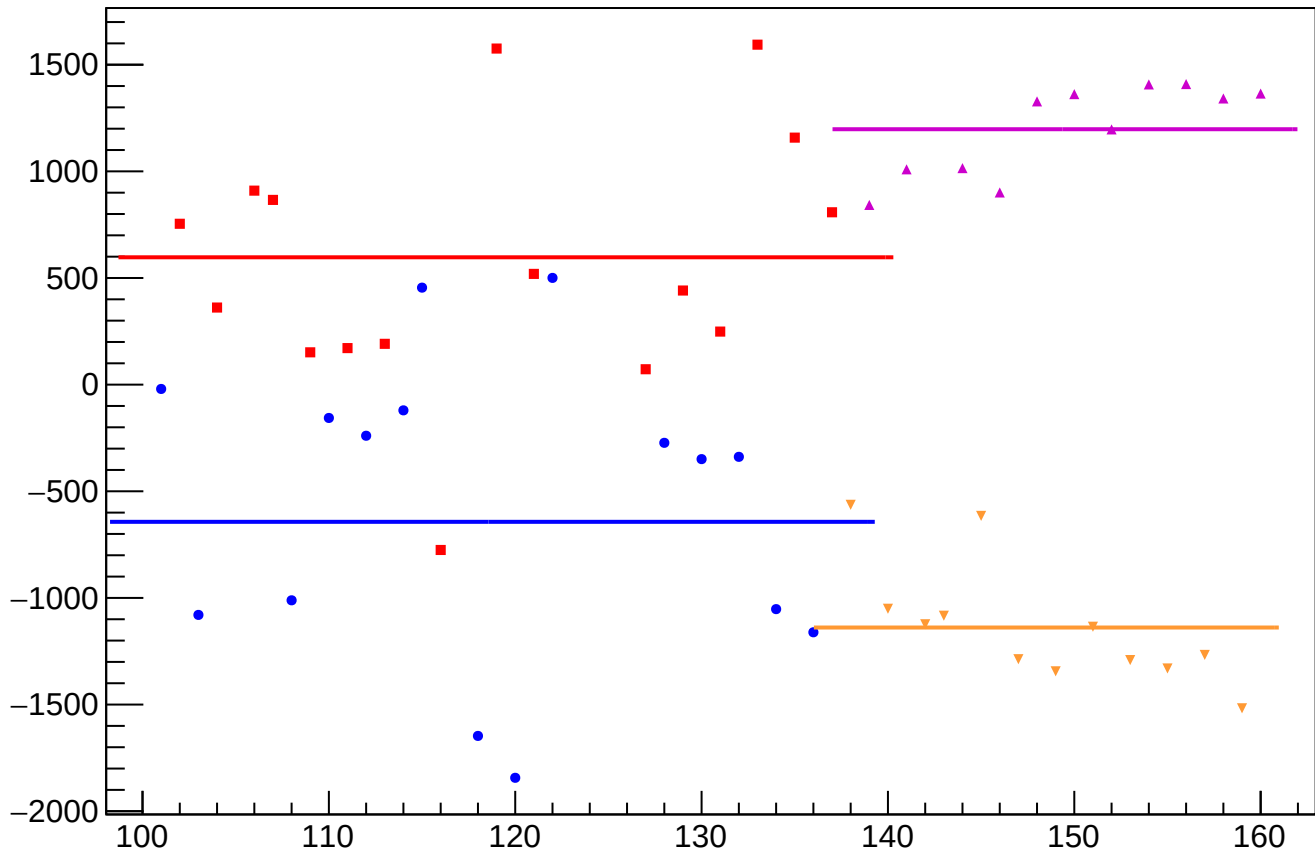
Right In: 1186.846+/-0.000 χ^2/NDF : 1796463312802023303623210264680353234944.0/14
 Left Out: 257.255+/-0.000 χ^2/NDF : 2781253601465669157863687249484316672.0/11
 Right Out: -1016.732+/-0.000 χ^2/NDF : 927646003466094249558391691024825057280.0/15
 Left In: -268.493+/-0.000 χ^2/NDF : 5855734975706547823556607966386847744.0/10
 All: 25.094+/-0.000 χ^2/NDF : 4461548431254

dit_sam2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam3_coil6_mean vs Slug, Sign Corrected



Right In: -643.217+/-0.000

χ^2/NDF : 272726964608206694027285159784925364224.0/14

Left Out: -1138.759+/-0.000

χ^2/NDF : 71006185953424254270590791718170263552.0/11

Right Out: 597.043+/-0.000

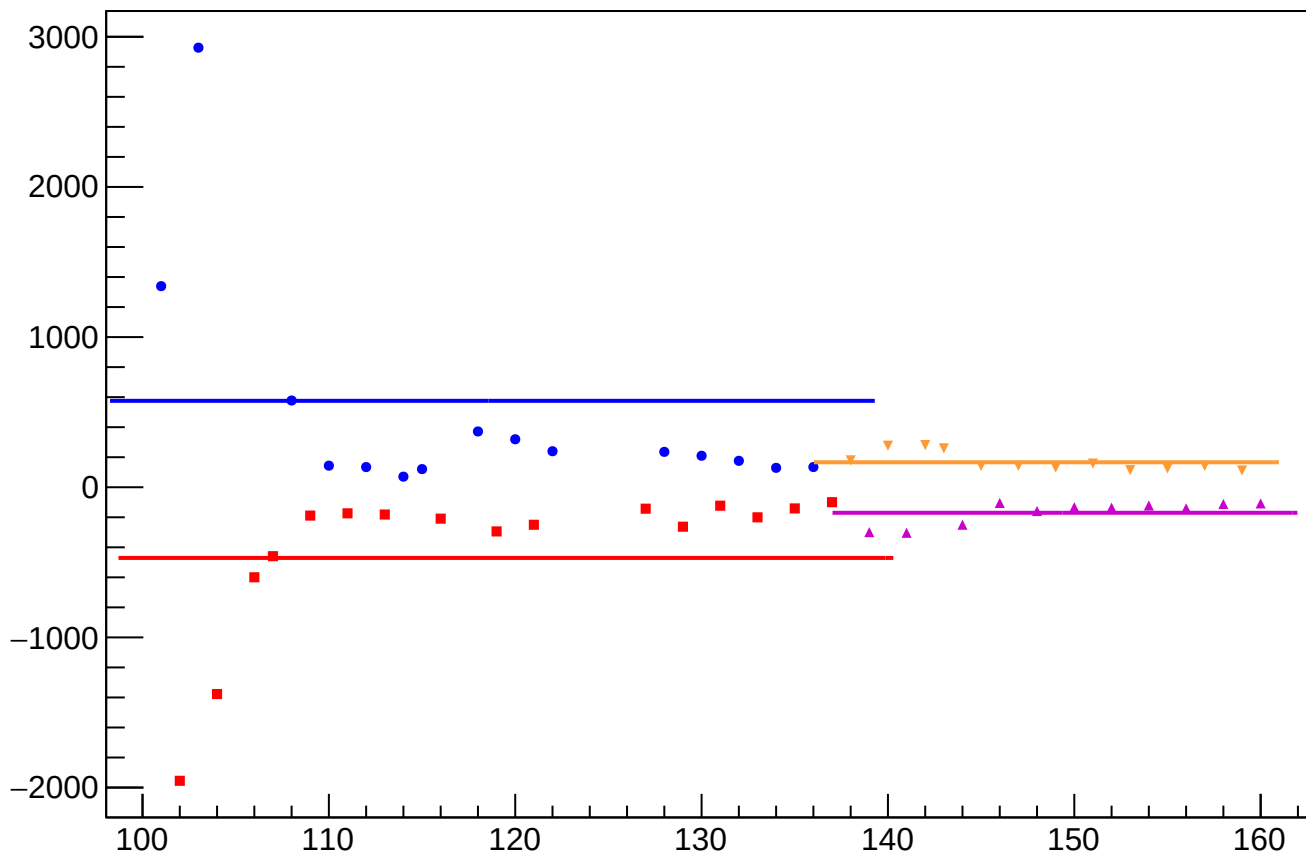
χ^2/NDF : 210733370798031449363504004319005376512.0/15

Left In: 1197.503+/-0.000

χ^2/NDF : 38624722141560961102710570239066636288.0/10

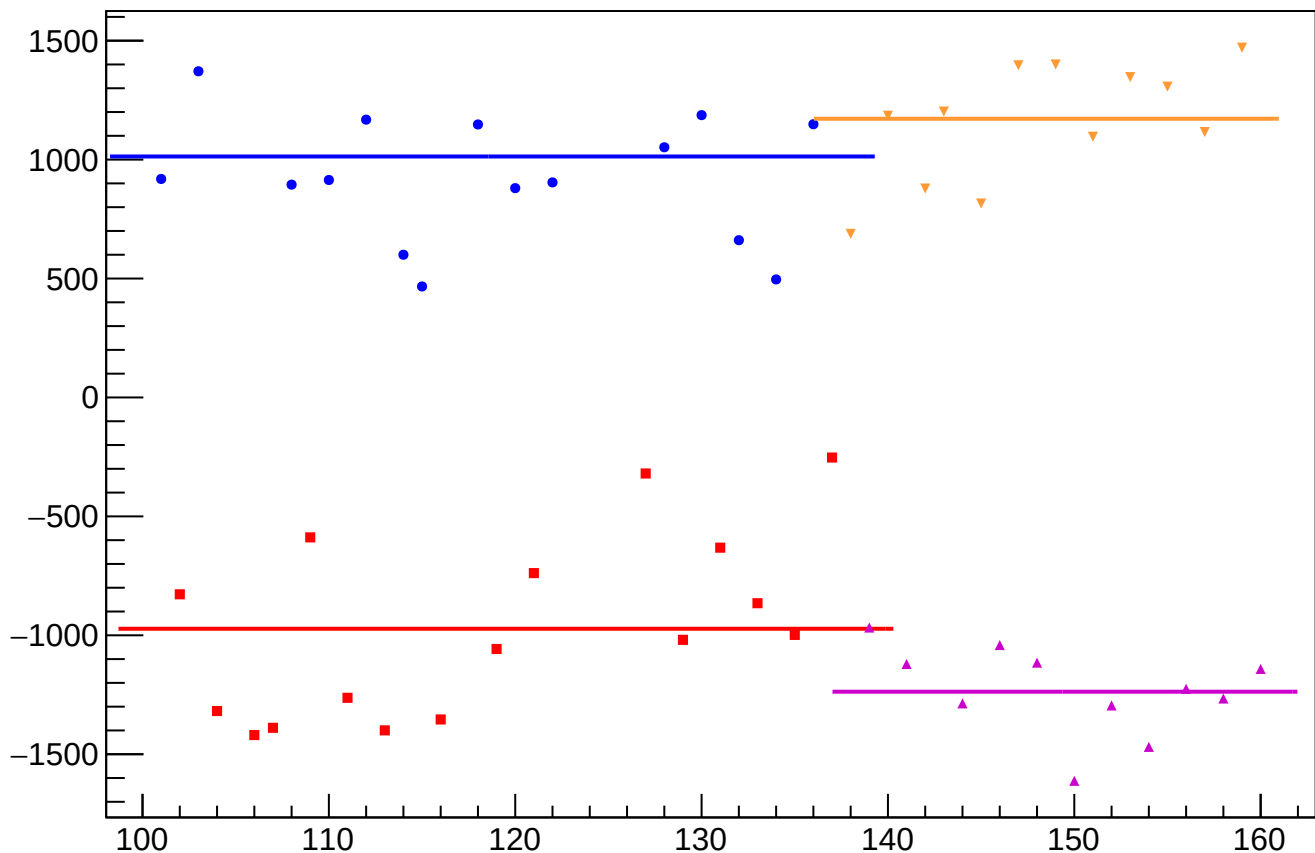
All: 14.726+/-0.000 χ^2/NDF : 3608953170188

dit_sam3_coil6_err_mean vs Slug, Sign Corrected



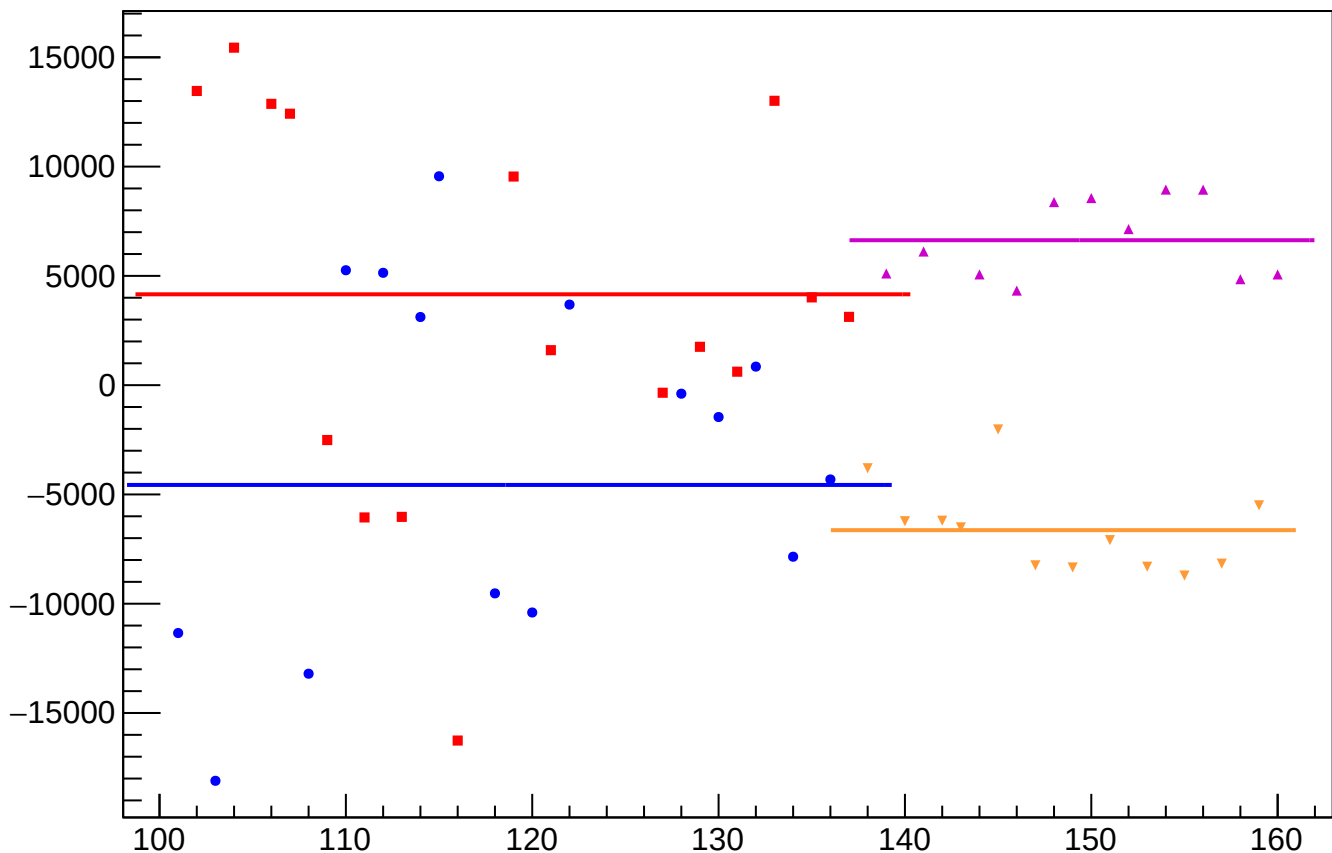
Right In: 575.526+/-0.000 χ^2/NDF : 432680039285849719493276471277131923456.0/14
 Left Out: 166.360+/-0.000 χ^2/NDF : 3052716209295405049807129095543193600.0/11
 Right Out: -470.716+/-0.000 χ^2/NDF : 209310604291868219806073768764512403456.0/15
 Left In: -170.082+/-0.000 χ^2/NDF : 4851165358478650186983079637734653952.0/10
 All: 17.262+/-0.000 χ^2/NDF : 1063737364413

dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam4_coil6_mean vs Slug, Sign Corrected



Right In: -4565.412+/-0.000

Left Out: -6634.457+/-0.000

Right Out: 4156.859+/-0.000

Left In: 6631.377+/-0.000

χ^2/NDF : 35667768247432289984899042725155487875072.0/14

χ^2/NDF : 3640150880403299784339543756995645407232.0/11

χ^2/NDF : 45539455441659927157708443099930682195968.0/15

χ^2/NDF : 2831140540306304869921468245145345327104.0/10

Left: 34.548+/-0.000 χ^2/NDF : 87332790427800314

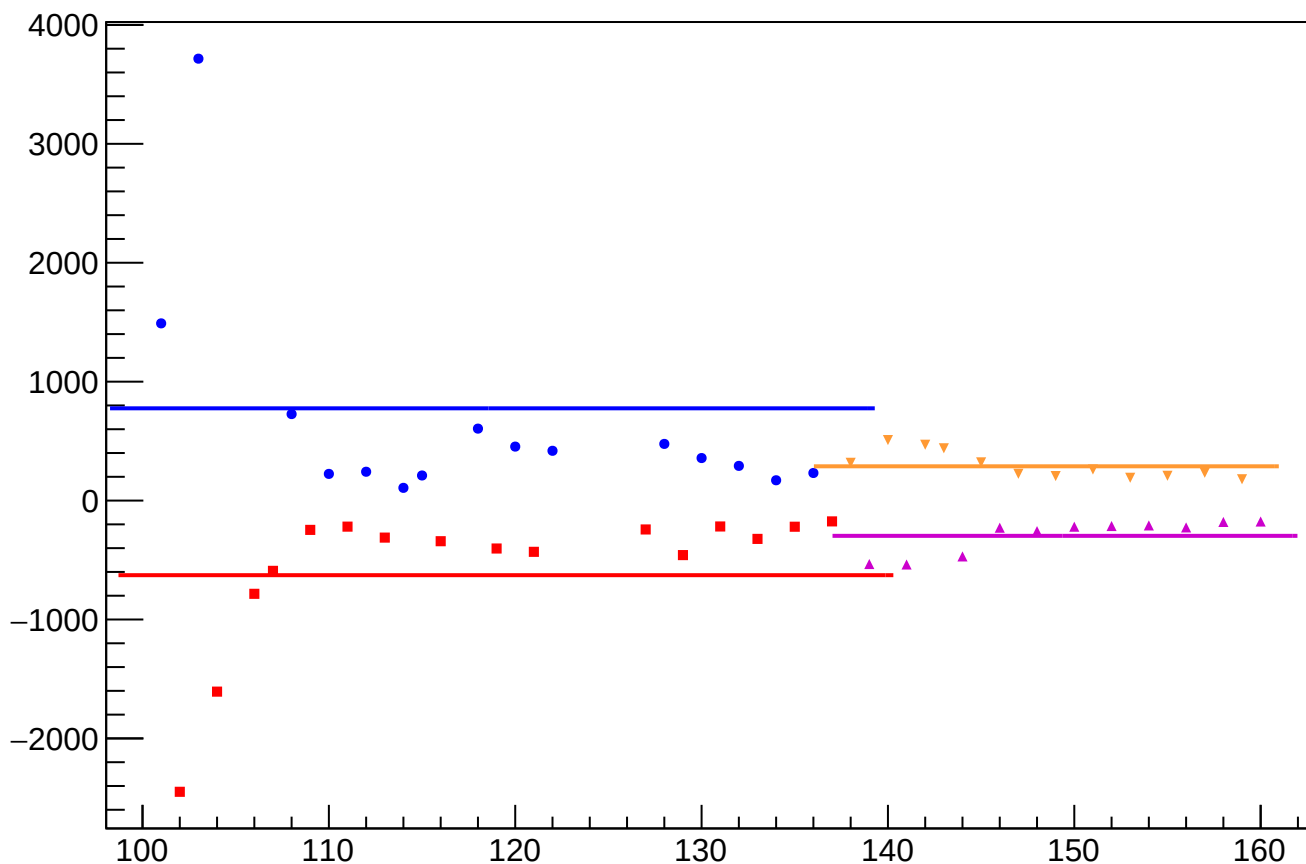
Right: -144.626+/-0.000 χ^2/NDF : 10623220696347

In: 2011.723+/-0.000 χ^2/NDF : 8629308418563650

Out: -2081.764+/-0.000 χ^2/NDF : 94084012188749

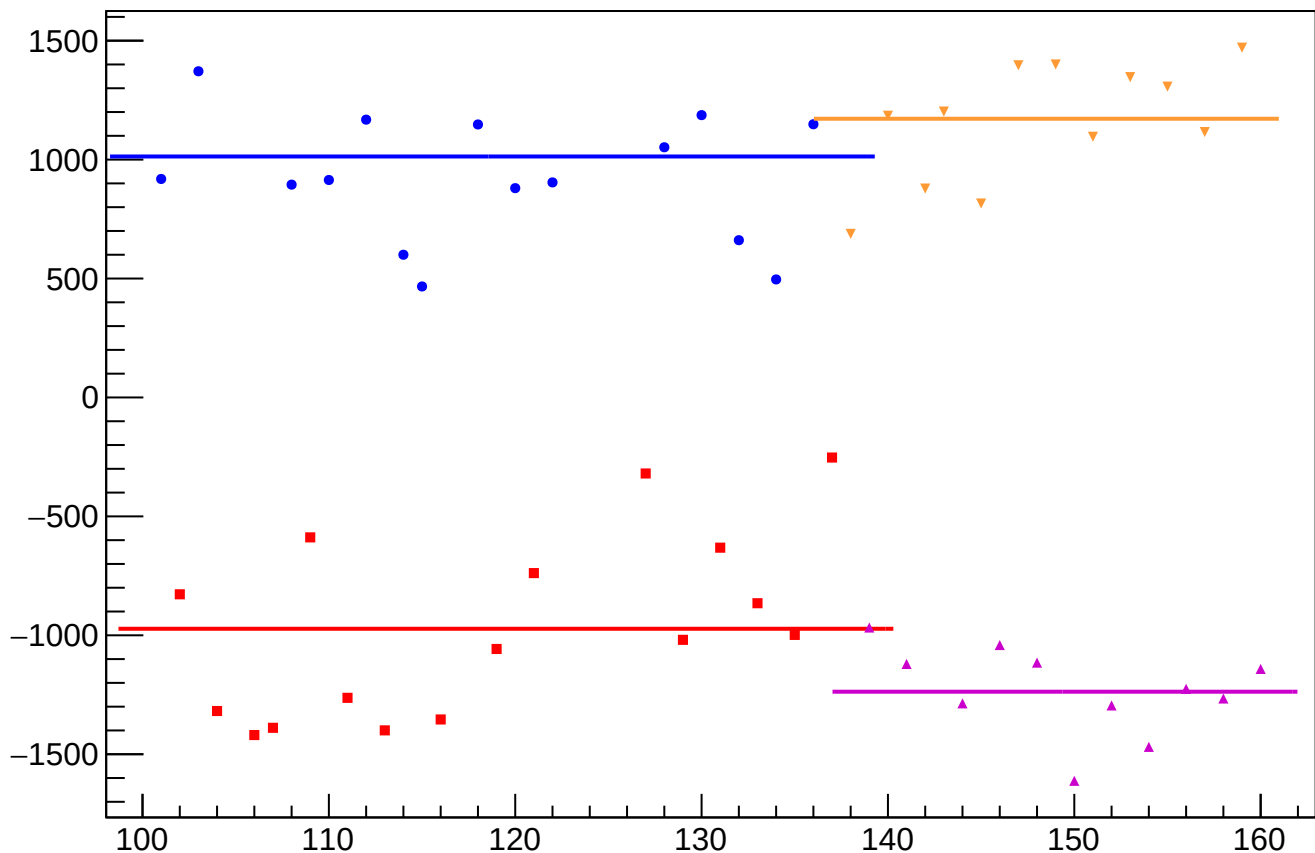
All: -40.212+/-0.000 χ^2/NDF : 193589617431

dit_sam4_coil6_err_mean vs Slug, Sign Corrected



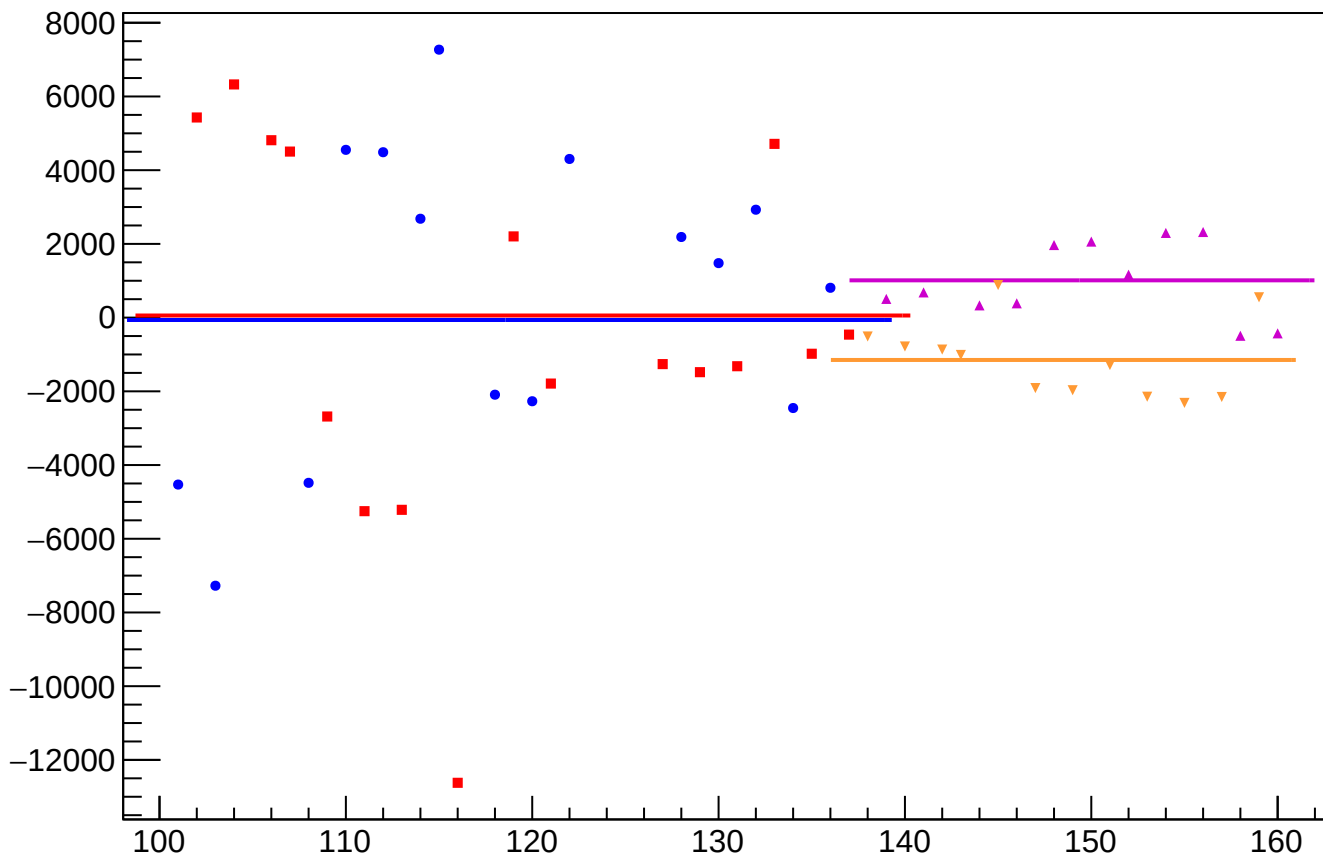
Right In: 775.824 +/- 0.000 χ^2/NDF : 641856726975740612716432458612629045248.0/14
 Left Out: 288.226 +/- 0.000 χ^2/NDF : 10607349218435095296400376728725225472.0/11
 Right Out: -627.315 +/- 0.000 χ^2/NDF : 297517676171111924966086193860621369344.0/15
 Left In: -296.514 +/- 0.000 χ^2/NDF : 17061879022016484064295210228444561408.0/10
 All: 23.637 +/- 0.000 χ^2/NDF : 1775565410854

dit_sam4_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam5_coil6_mean vs Slug, Sign Corrected



Right In: -64.751+/-0.000

χ²/NDF: 9614223448851814191683817349989558910976.0/14

Left Out: -1149.036+/-0.000

χ²/NDF: 977384281251527862797157265716912586752.0/11

Right Out: 57.229+/-0.000

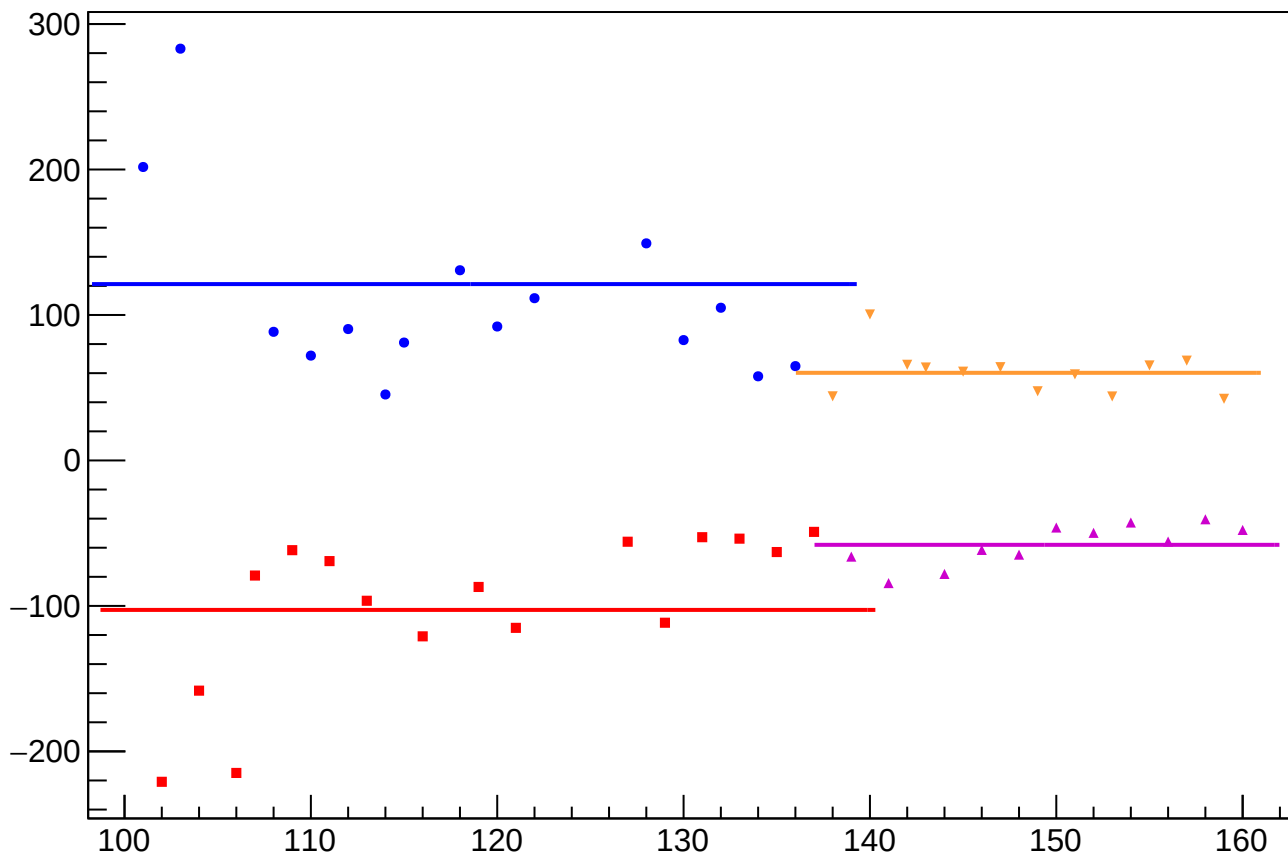
χ²/NDF: 13780958977008702301942505454387177979904.0/15

Left In: 1011.284+/-0.000

χ²/NDF: 903909408421874171739001543159795679232.0/10

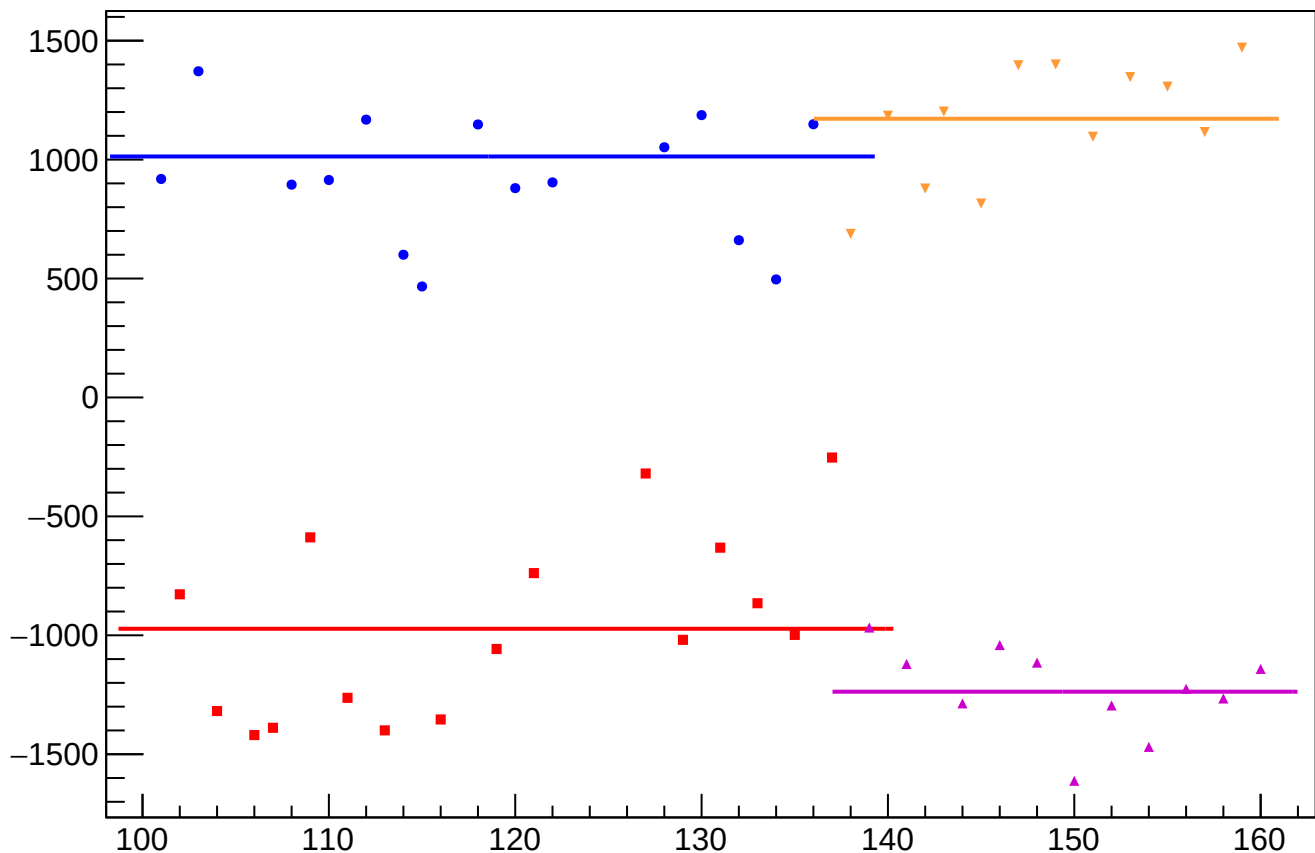
All: -37.934+/-0.000 χ²/NDF: 274285540726

dit_sam5_coil6_err_mean vs Slug, Sign Corrected



Right In: 121.228+/-0.000 χ^2/NDF : 2723170857684362574800637594861305856.0/14
 Left Out: 60.239+/-0.000 χ^2/NDF : 225102554491032869548797845500329984.0/11
 Right Out: -102.749+/-0.000 χ^2/NDF : 1967668024846010333654427670555918336.0/15
 Left In: -58.011+/-0.000 χ^2/NDF : 177427701786540438757655027214450688.0/10
 All: 3.678+/-0.000 χ^2/NDF : 28056421642135

dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

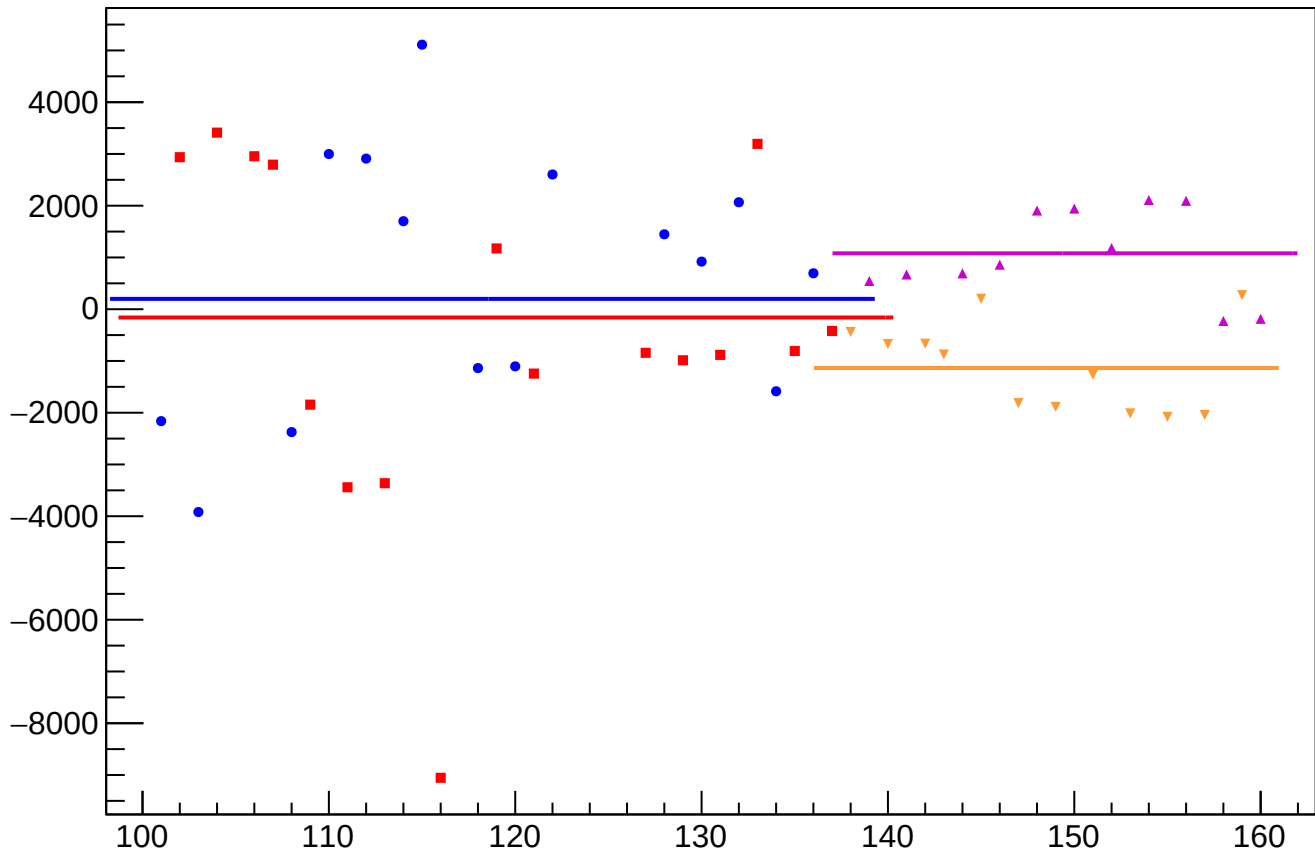
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam6_coil6_mean vs Slug, Sign Corrected



Right In: 199.503+/-0.000

χ^2/NDF : 3268159745923533825045181664876849790976.0/14

Left Out: -1135.455+/-0.000

χ^2/NDF : 654697592596579349133010058178925166592.0/11

Right Out: -160.512+/-0.000

χ^2/NDF : 5680576709461197901526729703706251493376.0/15

Left In: 1079.555+/-0.000

χ^2/NDF : 614734398575877452858032752710912049152.0/10

Left: -21.924+/-0.000 χ^2/NDF : 3523794568652633

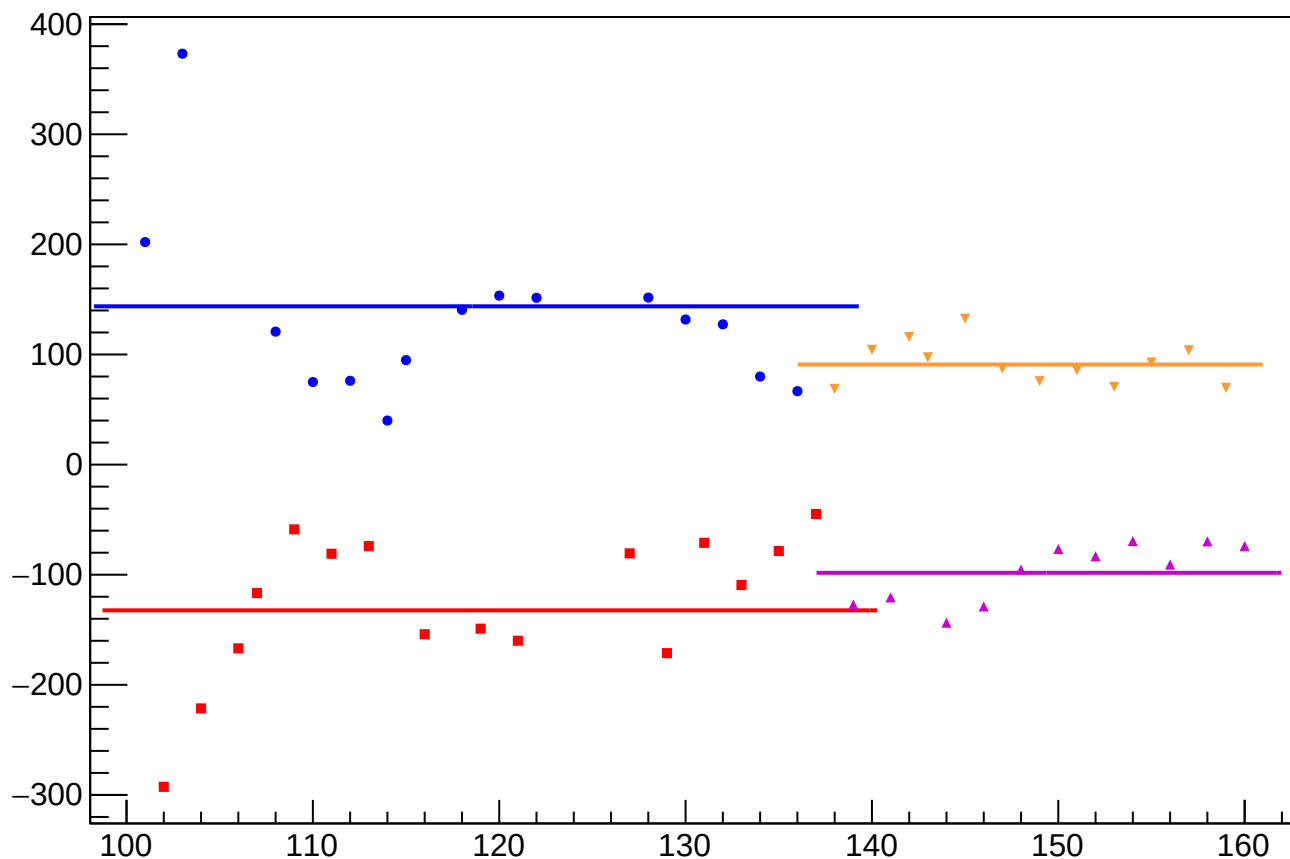
Right: 17.033+/-0.000 χ^2/NDF : 8991370549930185

In: 716.457+/-0.000 χ^2/NDF : 41781537377410598

Out: -724.141+/-0.000 χ^2/NDF : 670179463757753

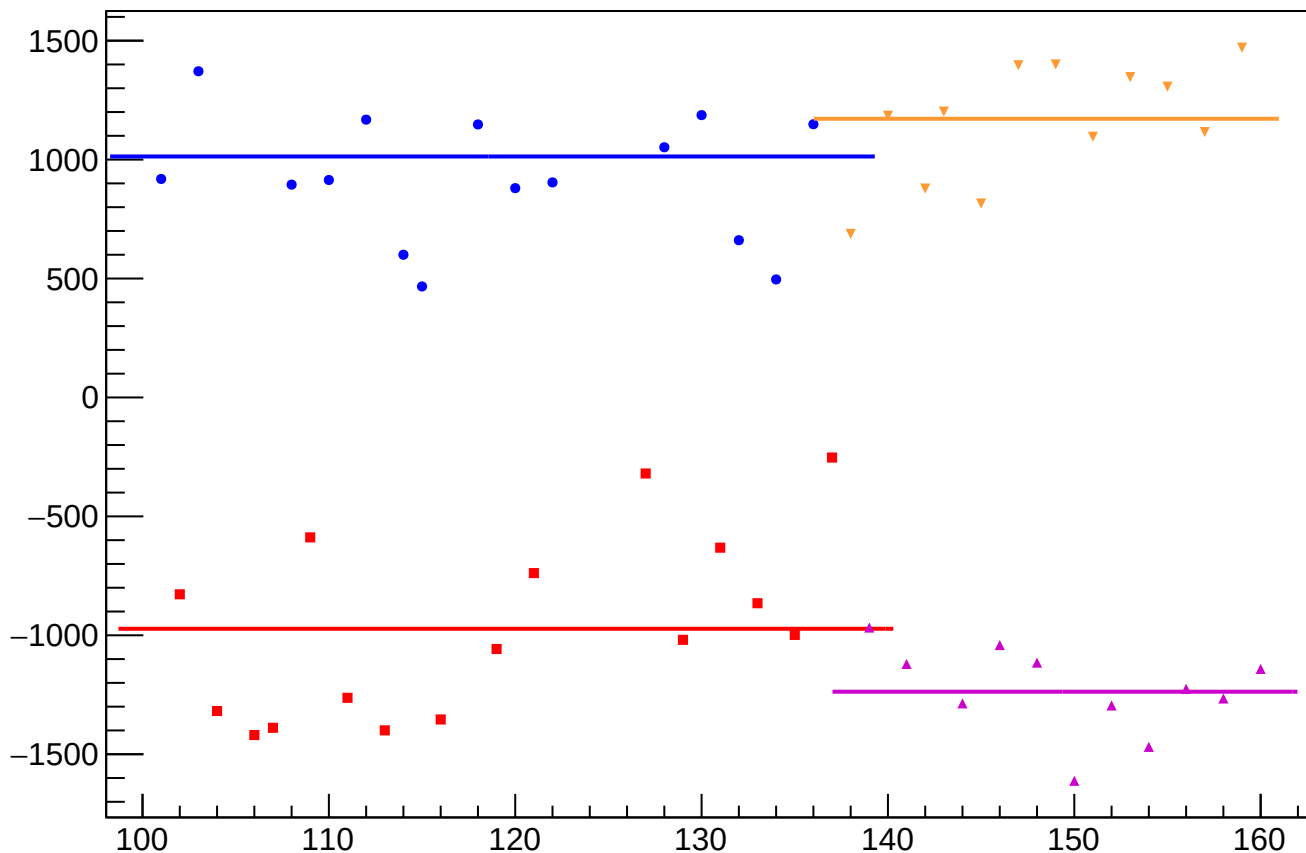
All: -5.669+/-0.000 χ^2/NDF : 1251632905272

dit_sam6_coil6_err_mean vs Slug, Sign Corrected



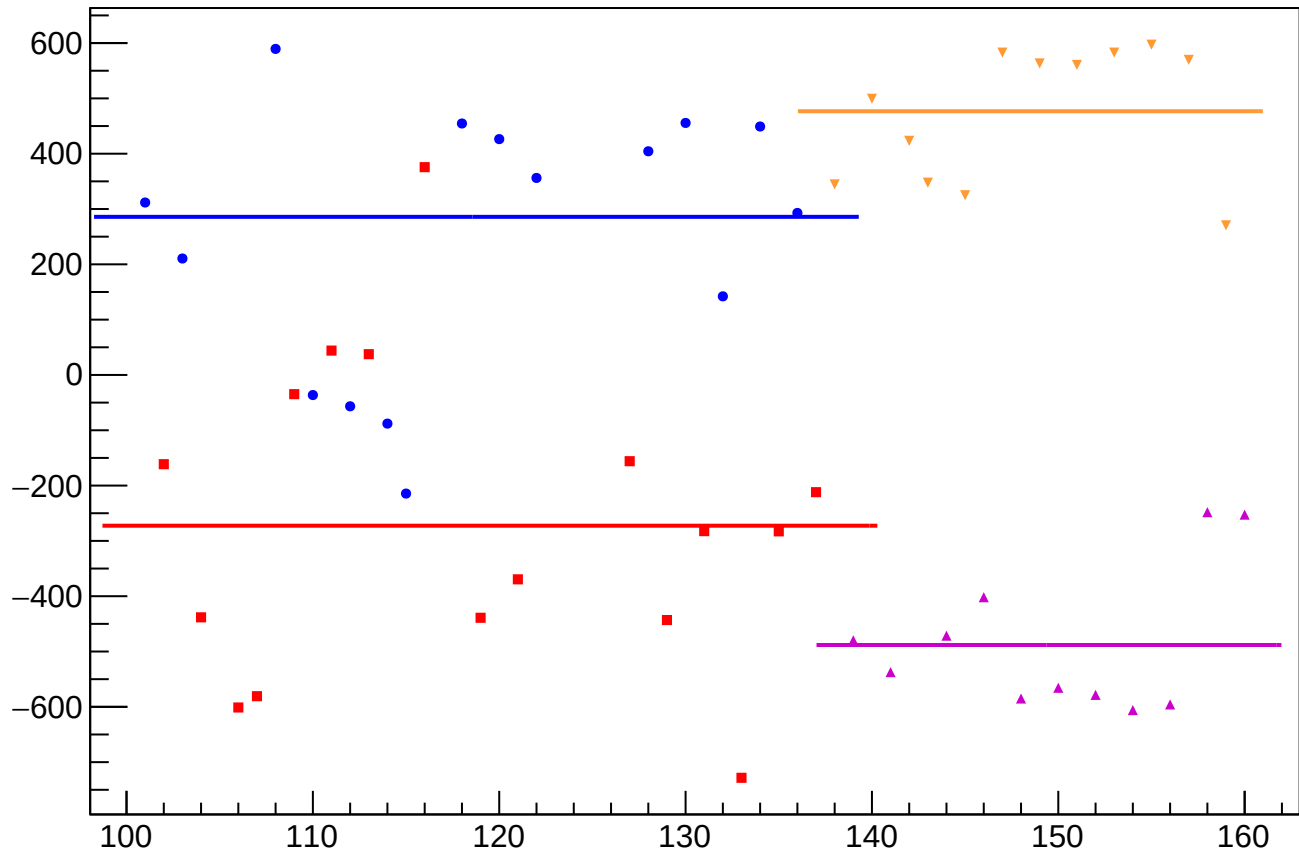
Left: -4.202+/-0.000 χ^2/NDF : 17384612750229045
 Right In: 143.764+/-0.000 χ^2/NDF : 4514785869565777849900508591821946880.0/14
 Right: 3.823+/-0.000 χ^2/NDF : 32765016379949297
 Left Out: 90.882+/-0.000 χ^2/NDF : 326242734851411629220497356388040704.0/11
 In: 1.598+/-0.000 χ^2/NDF : 2746595414560194970
 Right Out: -132.341+/-0.000 χ^2/NDF : 3174087908796245287682359914282352640.0/15
 Out: -3.293+/-0.000 χ^2/NDF : 22714212497857002
 Left In: -98.257+/-0.000 χ^2/NDF : 620993776773093393033369428470792192.0/10
 All: -0.854+/-0.000 χ^2/NDF : 5019902274084

dit_sam6_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

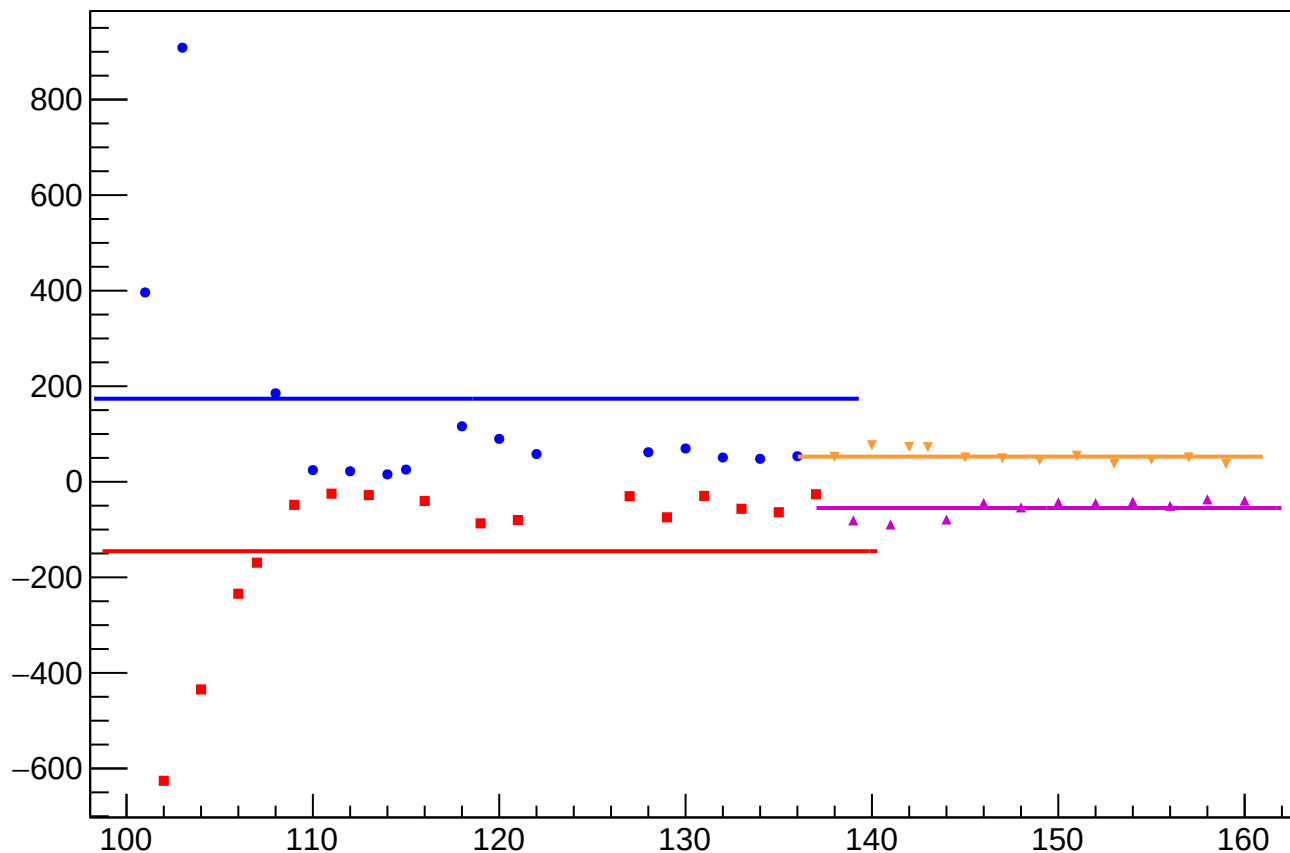
dit_sam7_coil6_mean vs Slug, Sign Corrected



Left: -8.329+/-0.000 χ^2/NDF : 45440891851442133
 Right: 2.840+/-0.000 χ^2/NDF : 17082276741945895
 In: -168.836+/-0.000 χ^2/NDF : 2663585226046871
 Out: 160.663+/-0.000 χ^2/NDF : 2733623549167339
 All: -3.669+/-0.000 χ^2/NDF : 6253273590333

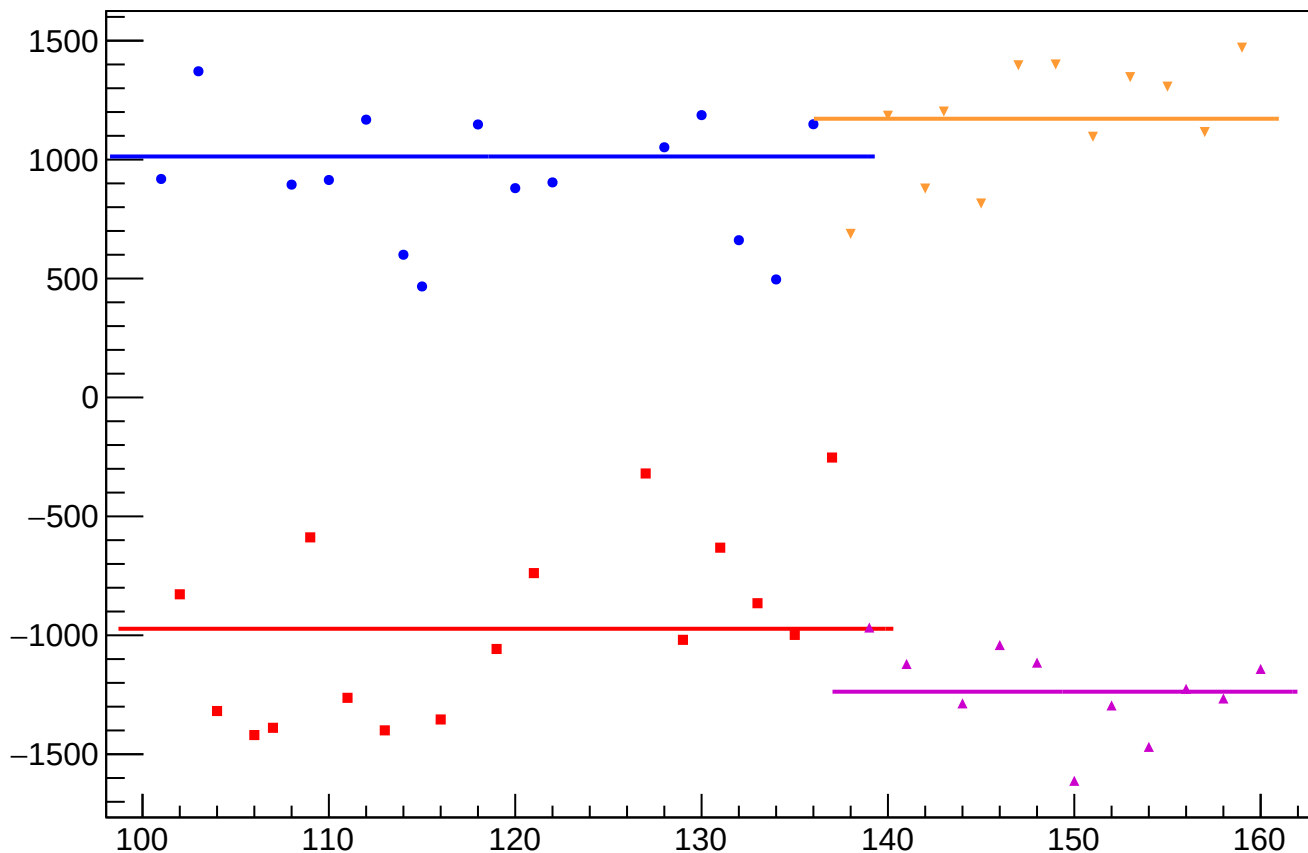
Right In: 285.856+/-0.000 χ^2/NDF : 24108244802355530064663311301086281728.0/14
 Left Out: 476.795+/-0.000 χ^2/NDF : 12695994824288000465906190934597435392.0/11
 Right Out: -272.539+/-0.000 χ^2/NDF : 44149952665075593650338713333575712768.0/15
 Left In: -488.203+/-0.000 χ^2/NDF : 13828831980358883653289432391973076992.0/10

dit_sam7_coil6_err_mean vs Slug, Sign Corrected



Left: -1.410 +/- 0.000 χ^2/NDF : 57550913372035412
 Right In: 173.871 +/- 0.000 χ^2/NDF : 41705473404466232613073704554990665728.0/14
 Right: 12.139 +/- 0.000 χ^2/NDF : 9772897307710637
 Left Out: 52.656 +/- 0.000 χ^2/NDF : 140159423385887976692066167541465088.0/11
 In: 39.493 +/- 0.000 χ^2/NDF : 619564021613478724
 Right Out: -145.228 +/- 0.000 χ^2/NDF : 22529615719408594720785265744437837824.0/15
 Out: -30.828 +/- 0.000 χ^2/NDF : 3776923807481634
 Left In: -54.891 +/- 0.000 χ^2/NDF : 300358274506113612486338175884591104.0/10
 All: 4.243 +/- 0.000 χ^2/NDF : 10362485342555

dit_sam7_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

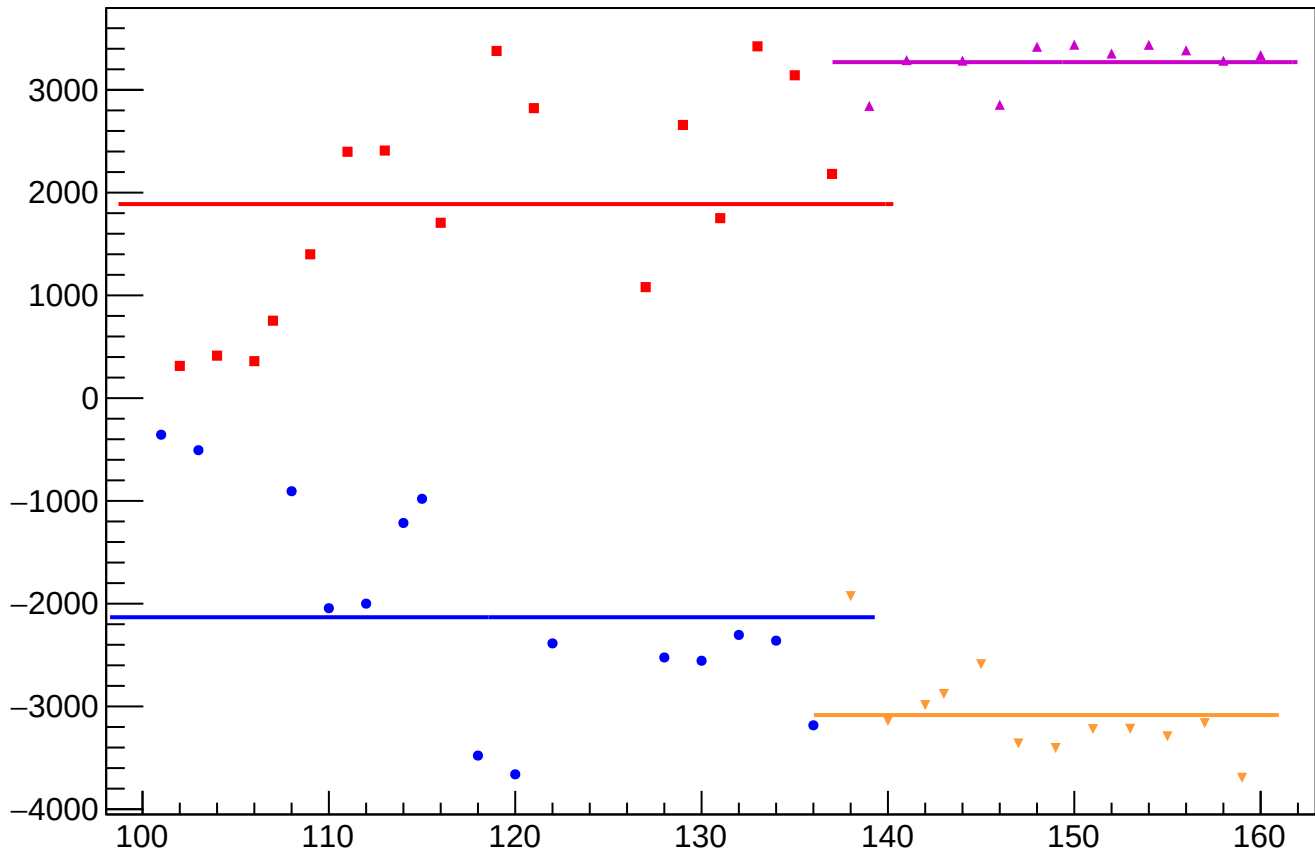
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam8_coil6_mean vs Slug, Sign Corrected



Right In: -2131.905+/-0.000

Left Out: -3083.729+/-0.000

Right Out: 1888.448+/-0.000

Left In: 3269.755+/-0.000

χ^2/NDF : 722433384570495071131450661983670501376.0/14

χ^2/NDF : 178322677856663824149309206068860026880.0/11

χ^2/NDF : 791986665551980691032719862611769819136.0/15

χ^2/NDF : 38098096180391062431092176239781216256.0/10

Left: 110.297+/-0.000 χ^2/NDF : 1876439765485971

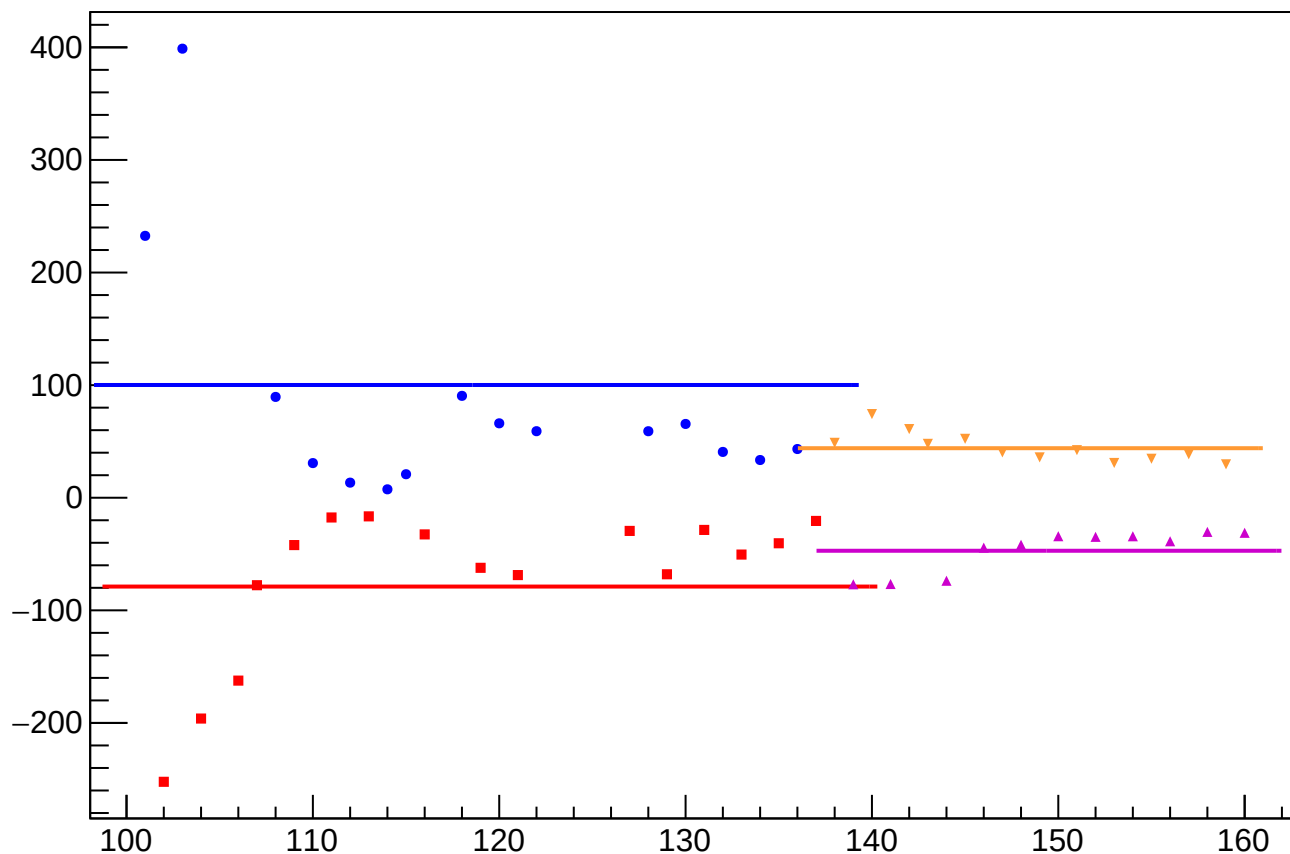
Right: -94.234+/-0.000 χ^2/NDF : 683113062504059

In: 1041.098+/-0.000 χ^2/NDF : 1188405782367471

Out: -986.042+/-0.000 χ^2/NDF : 105033900940683

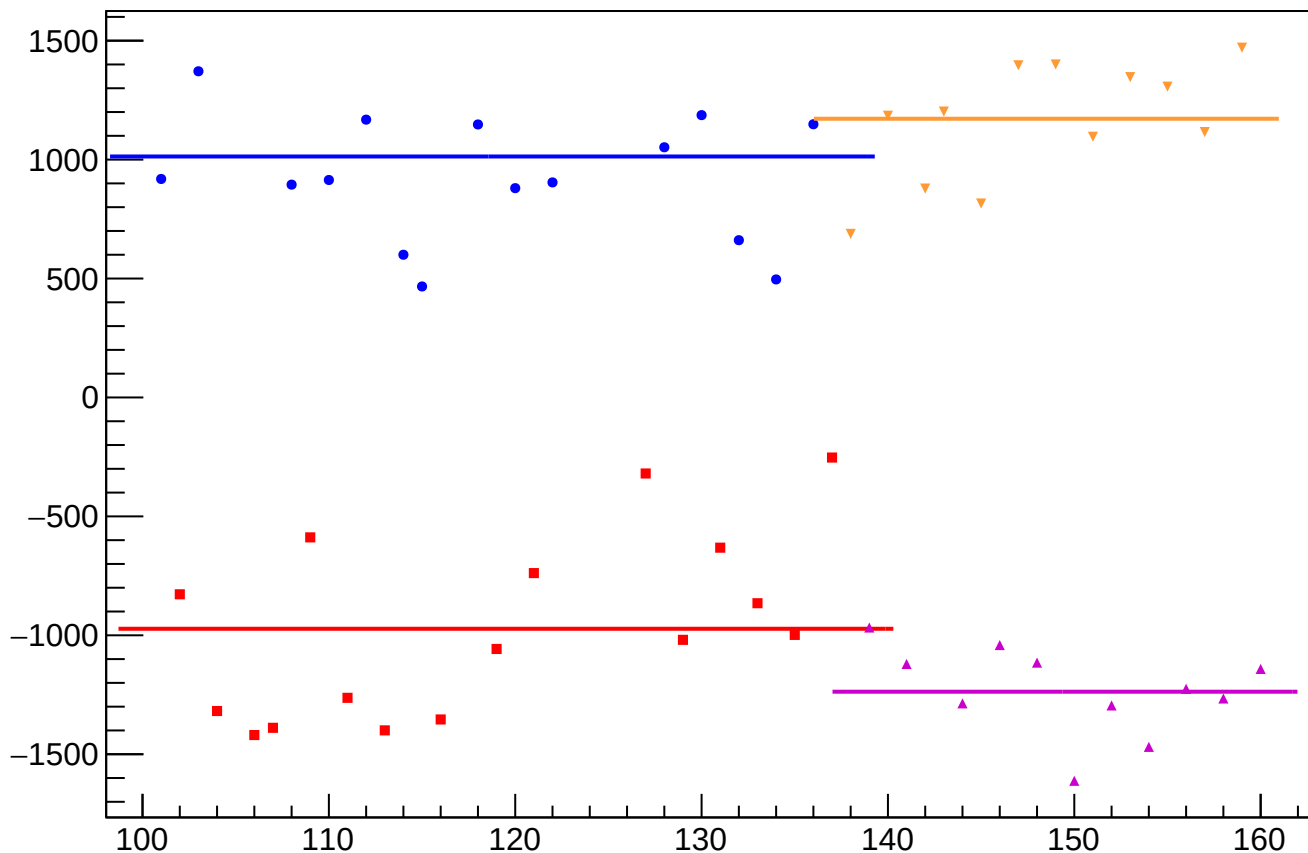
All: 24.957+/-0.000 χ^2/NDF : 2562760992420

dit_sam8_coil6_err_mean vs Slug, Sign Corrected



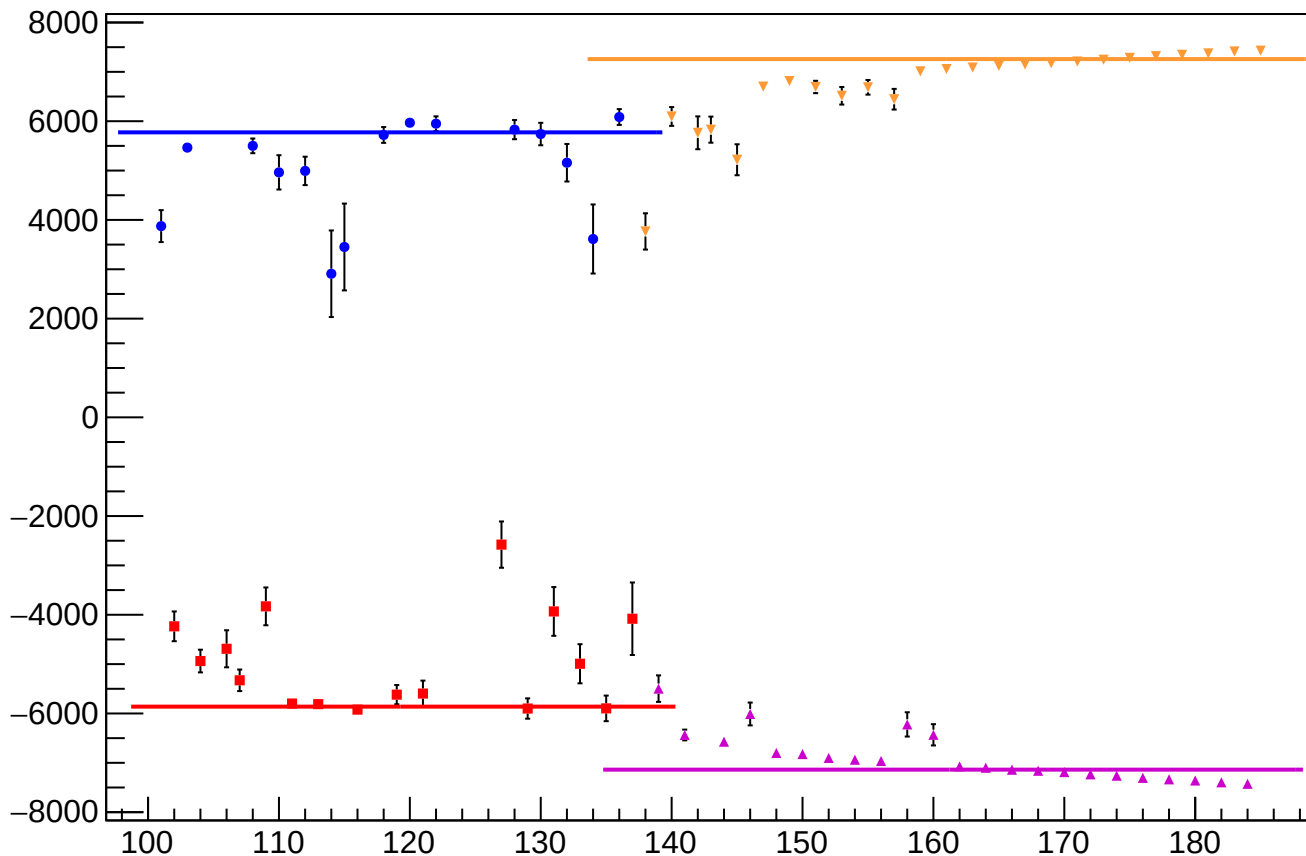
Right In: 100.135 +/- 0.000 χ^2/NDF : 7813910768784473081480373577053110272.0/14
 Left Out: 43.994 +/- 0.000 χ^2/NDF : 144038877087981194806470678002270208.0/11
 Right Out: -78.881 +/- 0.000 χ^2/NDF : 3525129078433901202304301512966275072.0/15
 Left In: -47.092 +/- 0.000 χ^2/NDF : 302550156086866534805447117402800128.0/10
 All: 2.876 +/- 0.000 χ^2/NDF : 26235515689479

dit_sam8_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_run_mean vs Slug, Sign Corrected



Right In: 5774.117 $\pm$ 0.181 χ^2/NDF : 1828526.5/14

Left Out: 7258.636 $\pm$ 0.092 χ^2/NDF : 4237941.4/24

Right Out: -5861.461 $\pm$ 0.140 χ^2/NDF : 180020.4/15

Left In: -7137.987 $\pm$ 0.098 χ^2/NDF : 4549121.8/22

Left: 544.300 $\pm$ 0.067 χ^2/NDF : 11467691043.9/47

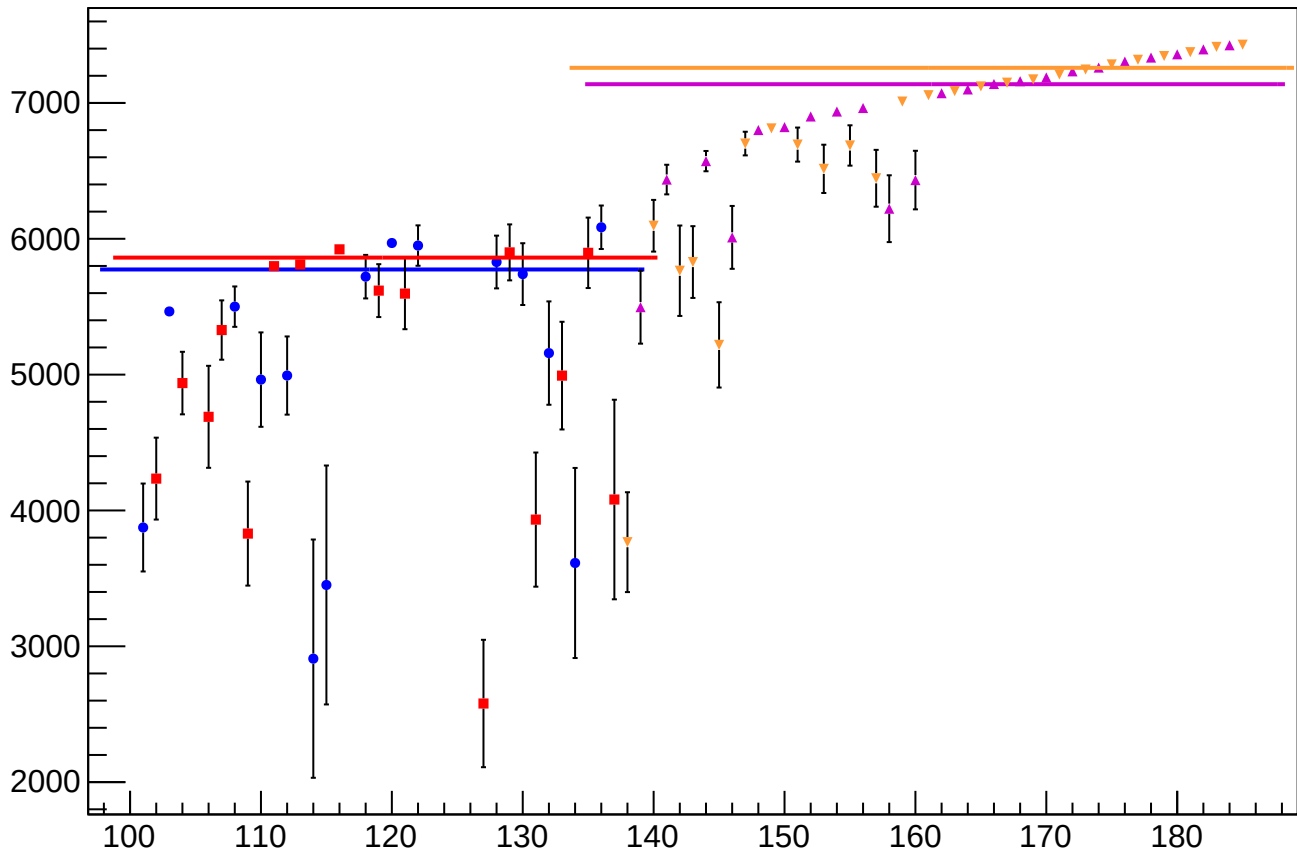
Right: -1536.191 $\pm$ 0.111 χ^2/NDF : 2585354230.9/30

In: -4211.004 $\pm$ 0.086 χ^2/NDF : 3922075931.5/37

Out: 3294.134 $\pm$ 0.077 χ^2/NDF : 6170438889.1/40

All: -15.116 $\pm$ 0.057 χ^2/NDF : 14311598667.5

dit_run_rms vs Slug, Sign Corrected



Right In: 5774.117 $\pm$ 0.181 χ^2 /NDF: 1828526.5/14

Left Out: 7258.636 $\pm$ 0.092 χ^2 /NDF: 4237941.4/24

Right Out: 5861.461 $\pm$ 0.140 χ^2 /NDF: 180020.4/15

Left In: 7137.987 $\pm$ 0.098 χ^2 /NDF: 4549121.8/22

Left: 7202.367 $\pm$ 0.067 χ^2 /NDF: 9591818.2/47

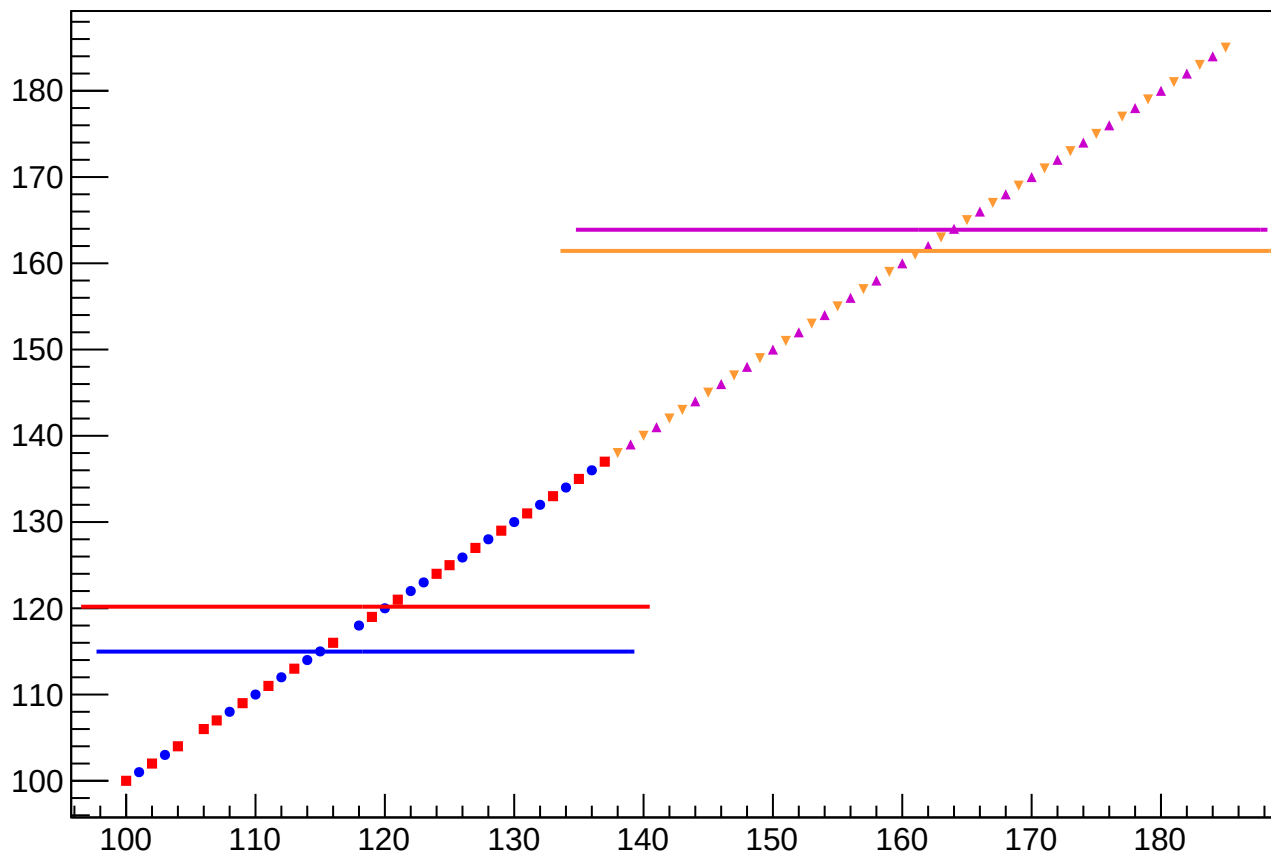
Right: 5828.993 $\pm$ 0.111 χ^2 /NDF: 2154118.4/30

In: 6828.818 $\pm$ 0.086 χ^2 /NDF: 50065585.8/37

Out: 6836.451 $\pm$ 0.077 χ^2 /NDF: 74342923.0/40

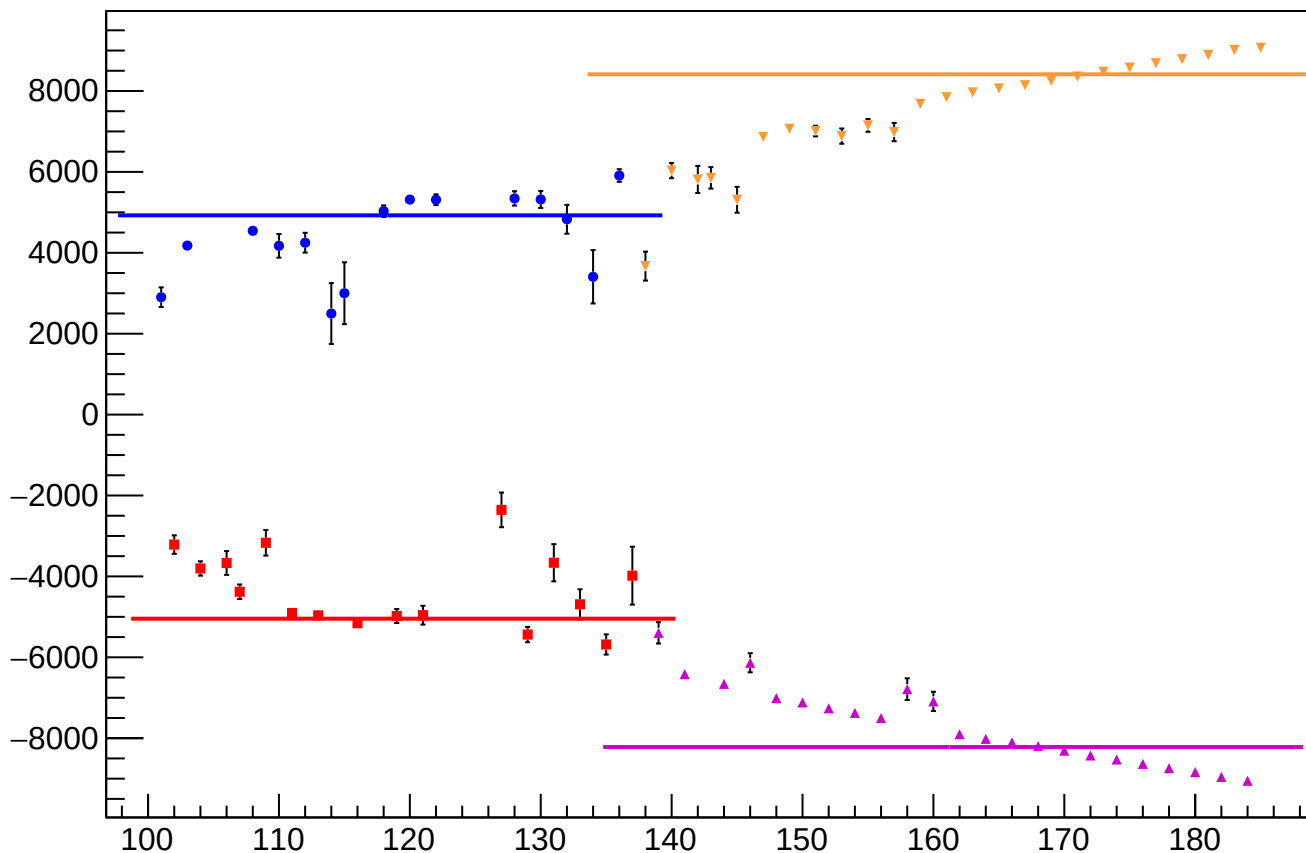
All: 6833.085 $\pm$ 0.057 χ^2 /NDF: 124412873.1

dit_slug_slope vs Slug, Sign Corrected



Right In: 114.980+/-0.000 χ^2/NDF : 112344936246012934714934440230912.0/16
 Left Out: 161.437+/-0.000 χ^2/NDF : 144351415086772086919986205949952.0/24
 Right Out: 120.186+/-0.000 χ^2/NDF : 52233253644261695528198041763840.0/18
 Left In: 163.890+/-0.000 χ^2/NDF : 206308926090069183709360387260416.0/22
 All: 139.110+/-0.000 χ^2/NDF : 303874307424

dit_cyclenum_mean vs Slug, Sign Corrected



Right In: 4925.305 ± 0.939 $\chi^2/\text{NDF}: 330994.6/14$

Left Out: 8412.753 ± 0.396 $\chi^2/\text{NDF}: 2106465.3/24$

Right Out: -5045.221 ± 0.668 $\chi^2/\text{NDF}: 30179.9/15$

Left In: -8217.639 ± 0.381 $\chi^2/\text{NDF}: 2974101.4/22$

Left: -221.056 ± 0.274 $\chi^2/\text{NDF}: 921962342.7/47$

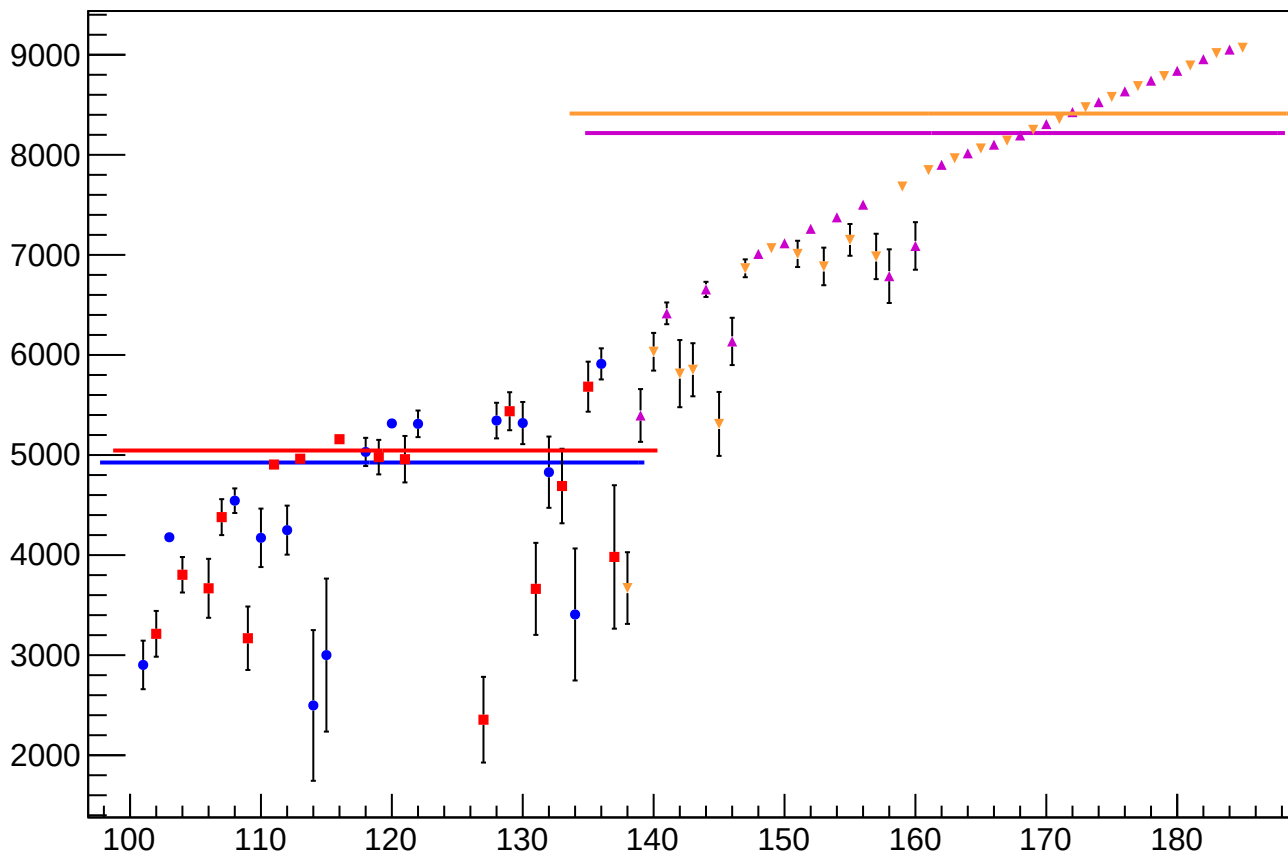
Right: -1694.510 ± 0.544 $\chi^2/\text{NDF}: 75266282.5/30$

In: -6360.026 ± 0.353 $\chi^2/\text{NDF}: 171632346.5/37$

Out: 4915.430 ± 0.340 $\chi^2/\text{NDF}: 302691560.4/40$

All: -519.775 ± 0.245 $\chi^2/\text{NDF}: 1003073907.0$

dit_cyclenum_rms vs Slug, Sign Corrected



Right In: 4925.305 $\pm$ 0.939 χ^2 /NDF: 330994.6/14

Left Out: 8412.753 $\pm$ 0.396 χ^2 /NDF: 2106465.3/24

Right Out: 5045.221 $\pm$ 0.668 χ^2 /NDF: 30179.9/15

Left In: 8217.639 $\pm$ 0.381 χ^2 /NDF: 2974101.4/22

Left: 8311.458 $\pm$ 0.274 χ^2 /NDF: 5206774.3/47

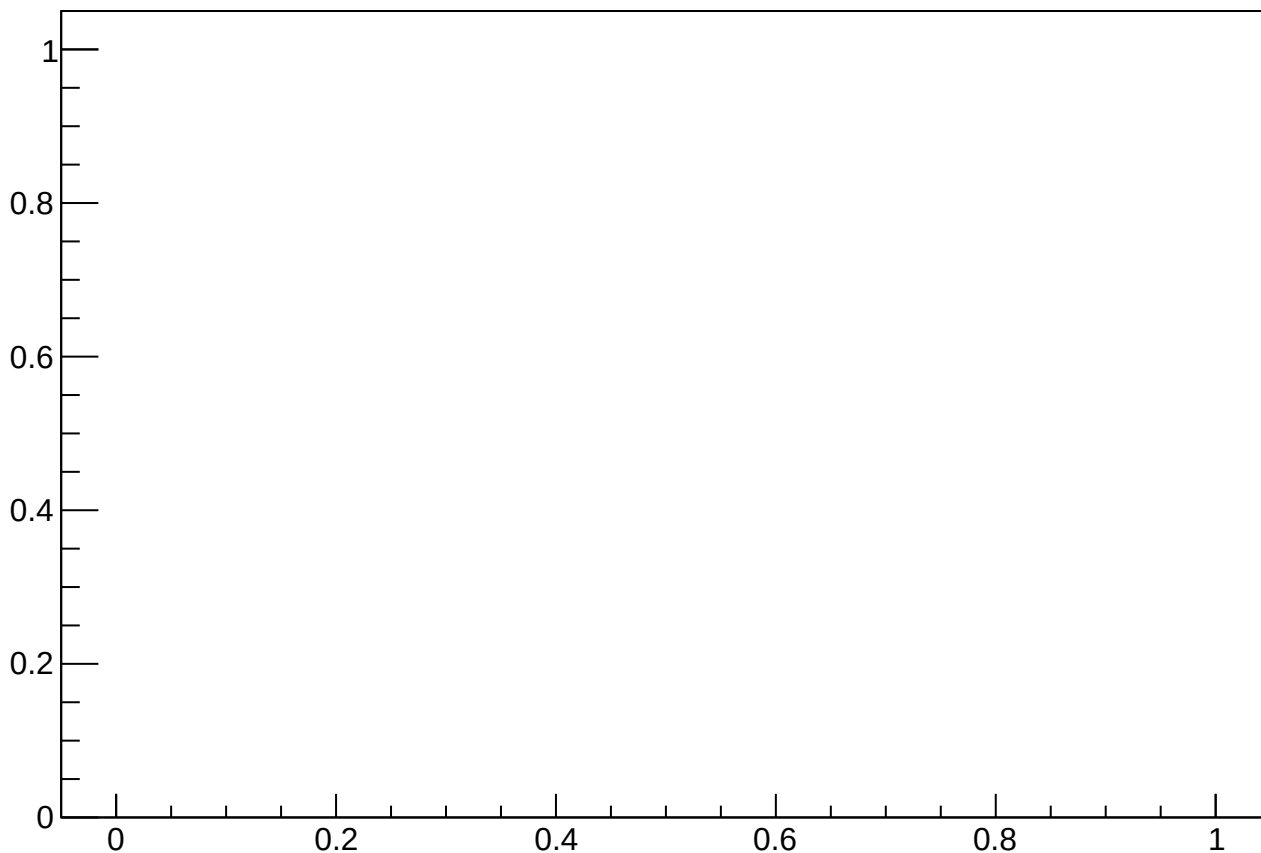
Right: 5004.922 $\pm$ 0.544 χ^2 /NDF: 372009.4/30

In: 7752.303 $\pm$ 0.353 χ^2 /NDF: 13867841.6/37

Out: 7537.633 $\pm$ 0.340 χ^2 /NDF: 20955273.2/40

All: 7641.112 $\pm$ 0.245 χ^2 /NDF: 35014772.5/71

dit_scandata1_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

dit_scandata1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

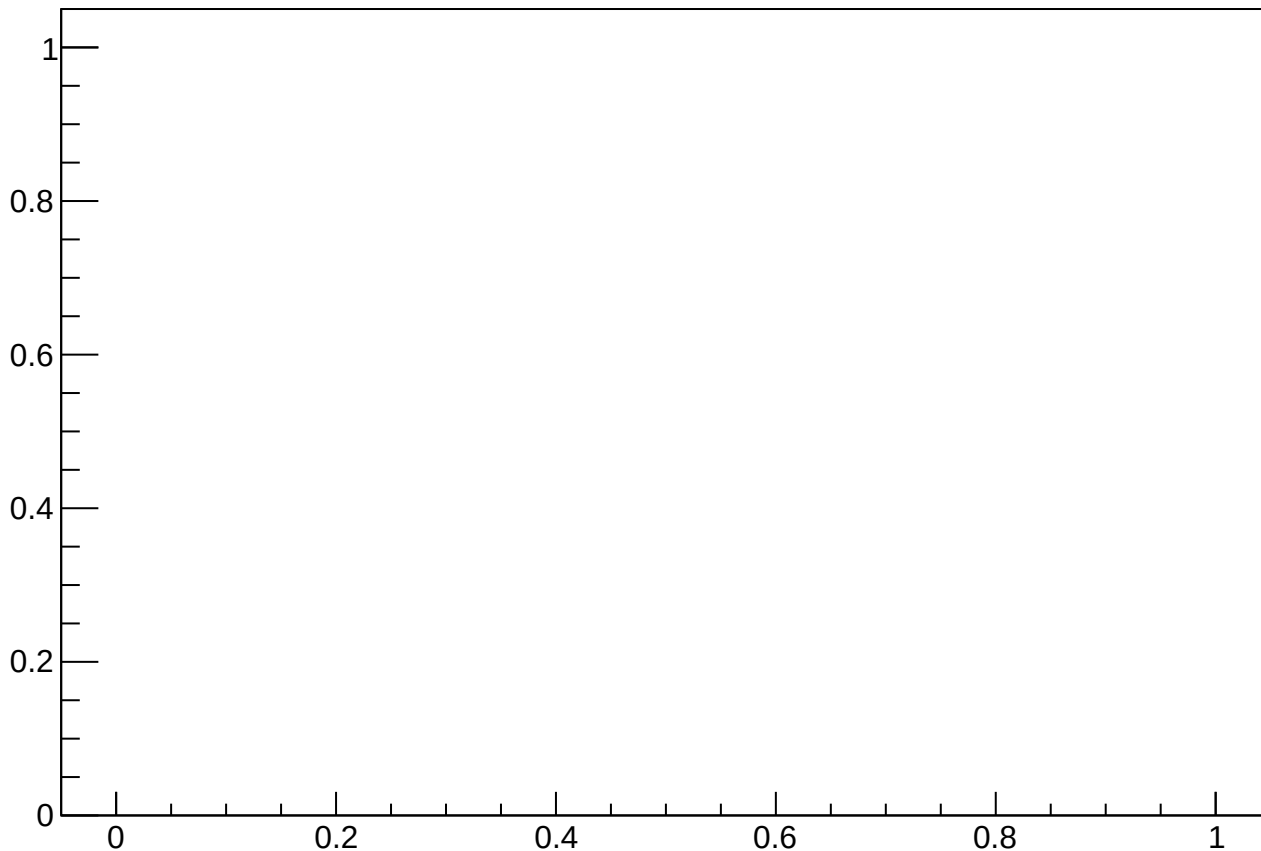
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

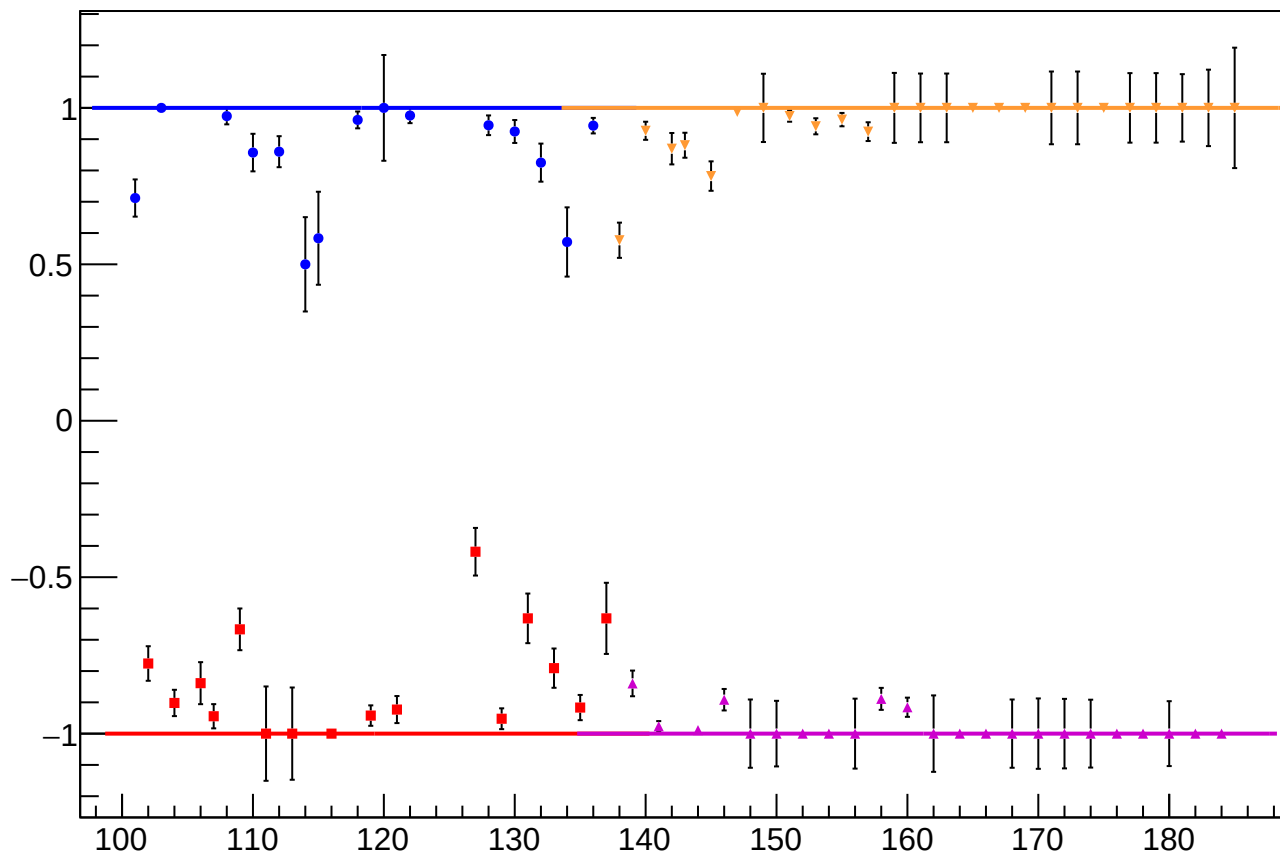
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_flag_mean vs Slug, Sign Corrected



Right In: 1.000 ± 0.000 $\chi^2/\text{NDF}: 95.9/14$

Left Out: 1.000 ± 0.000 $\chi^2/\text{NDF}: 1596.8/24$

Right Out: -1.000 ± 0.000 $\chi^2/\text{NDF}: 168.9/15$

Left In: -1.000 ± 0.000 $\chi^2/\text{NDF}: 385.6/22$

Left: -0.308 ± 0.000 $\chi^2/\text{NDF}: 25106005466555206$

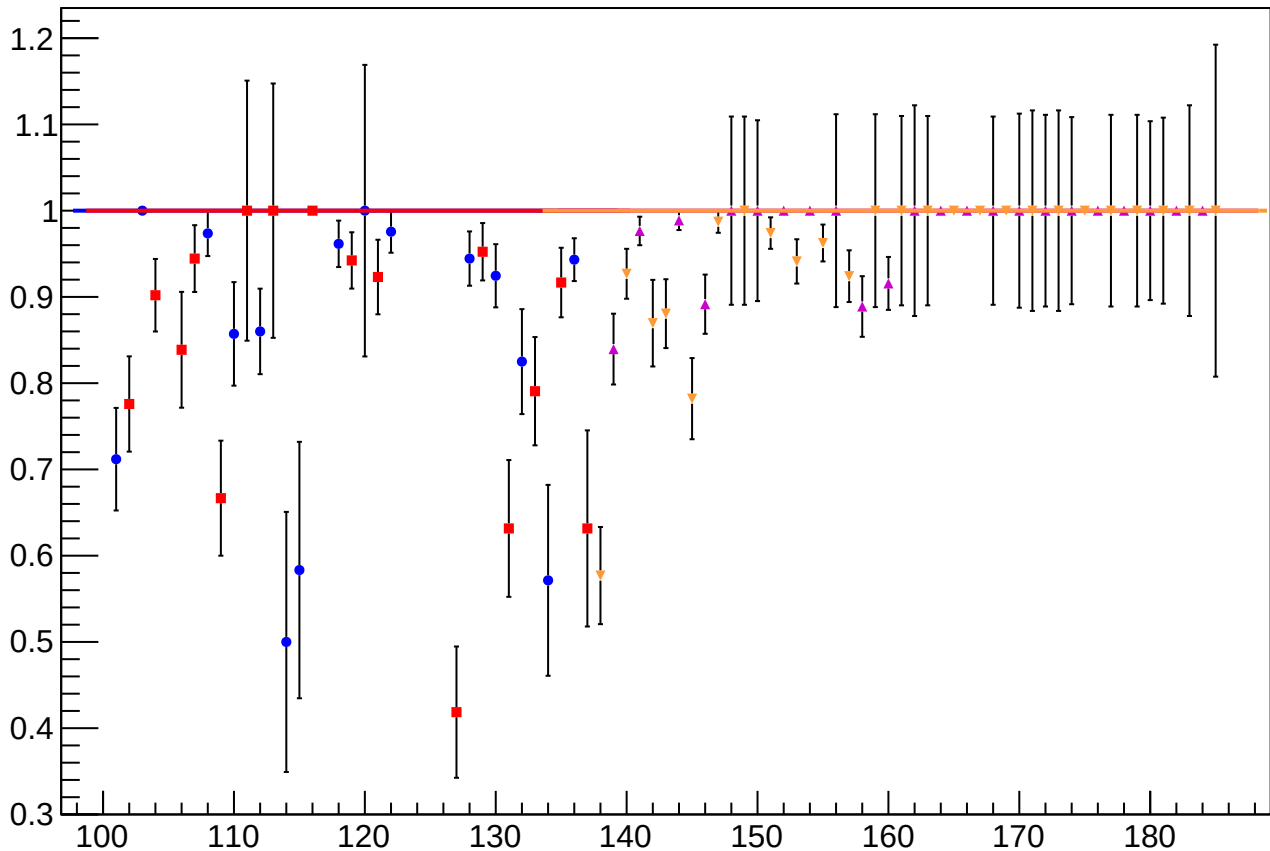
Right: 0.398 ± 0.000 $\chi^2/\text{NDF}: 14173250084479480$

In: -0.878 ± 0.000 $\chi^2/\text{NDF}: 441913906621430577$

Out: 0.900 ± 0.000 $\chi^2/\text{NDF}: 192642163504562978$

All: -0.268 ± 0.000 $\chi^2/\text{NDF}: 2731457681481$

dit_flag_rms vs Slug, Sign Corrected



Right In: 1.000+/-0.000 χ^2/NDF : 95.9/14

Left Out: 1.000+/-0.000 χ^2/NDF :1596.8/24

Right Out: 1.000+/-0.000 χ^2/NDF : 168.9/15

Left In: 1.000+/-0.000 χ^2/NDF :385.6/22

Left: 1.000+/-0.000 χ^2/NDF : 802.6/47

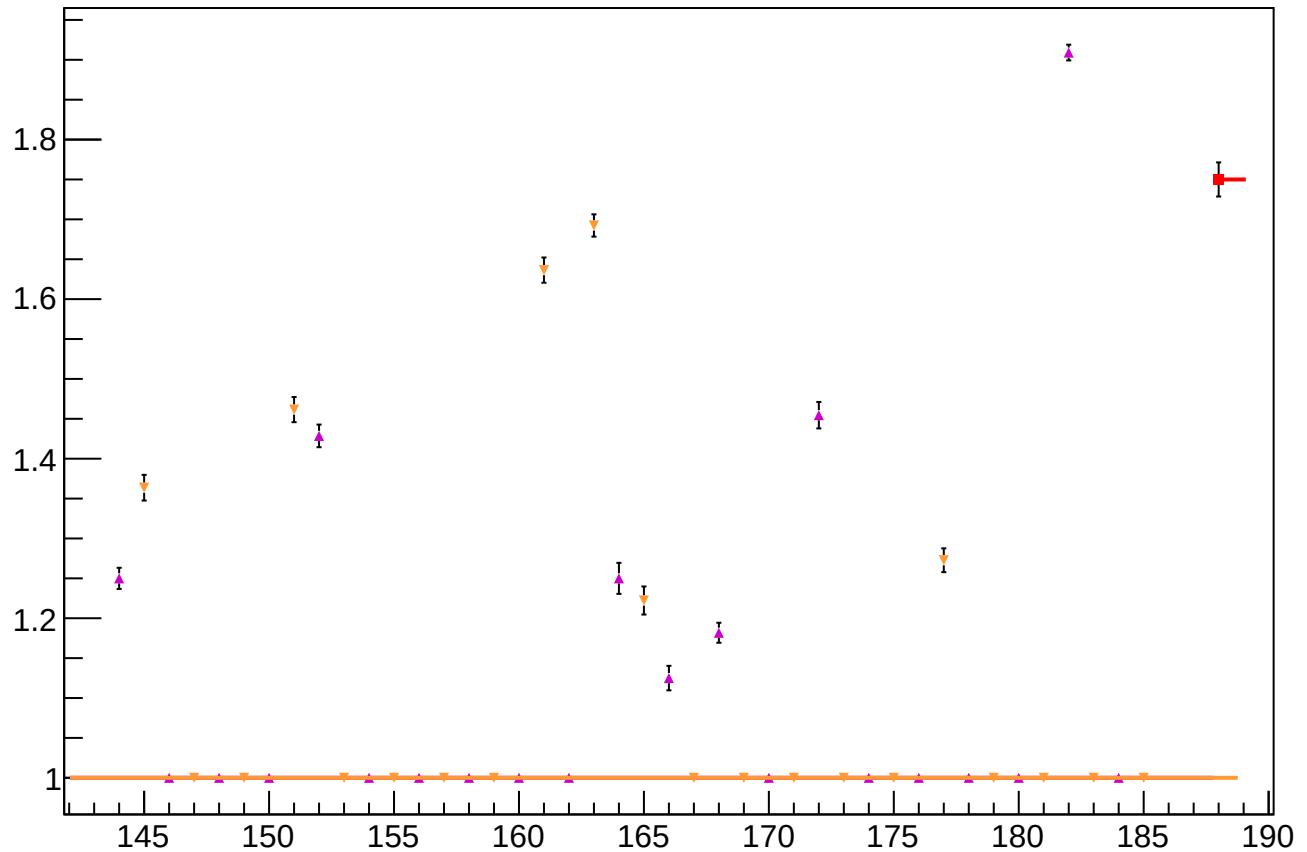
Right: 1.000+/-0.000 χ^2/NDF : 347.8/30

In: 1.000+/-0.000 χ^2/NDF :746.7/37

Out: 1.000+/-0.000 χ^2/NDF :607.7/40

All: 1.000+/-0.000 χ^2/NDF : 1354.4/78

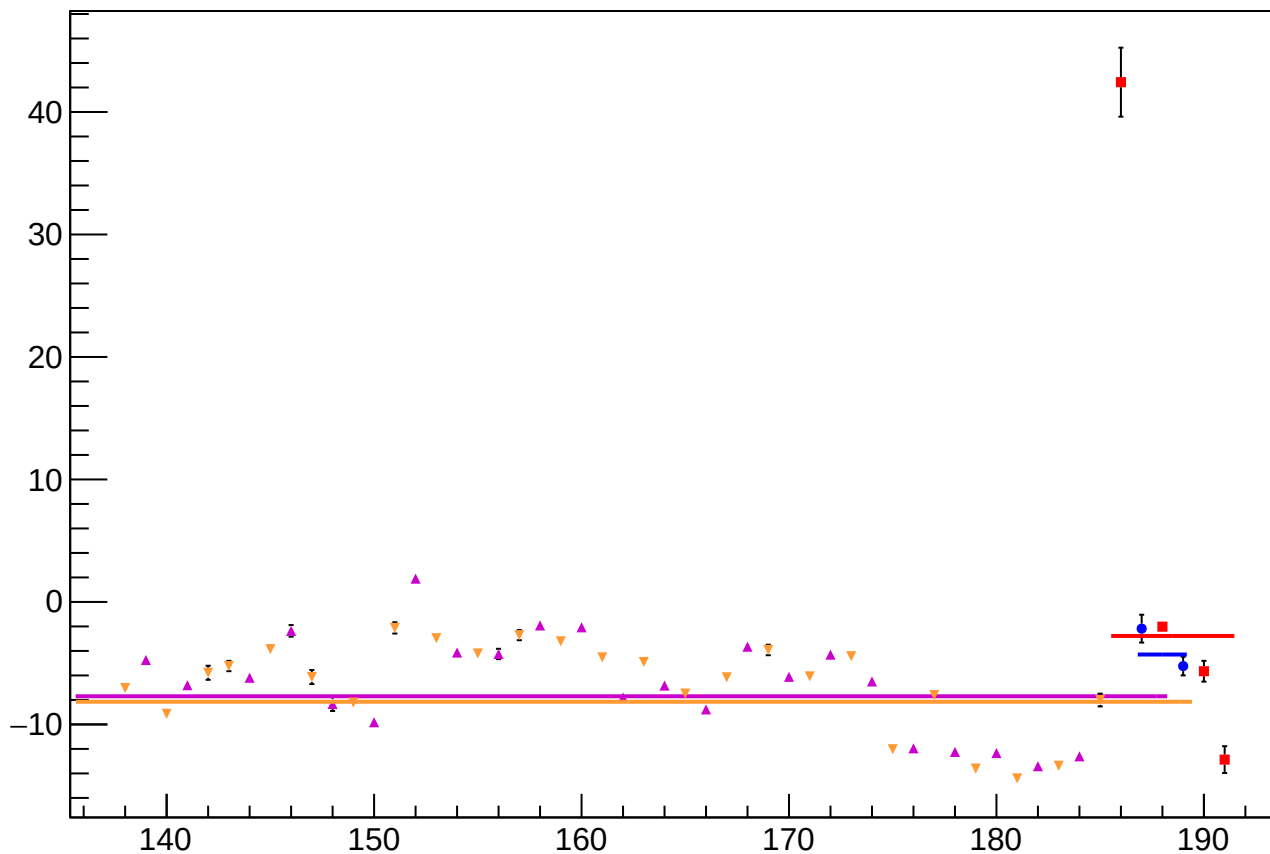
dit_segment_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 1.000+/-0.000 χ^2/NDF :18616.2/20
Right Out: 1.750+/-0.021 χ^2/NDF : 0.0/0
Left In: 1.000+/-0.000 χ^2/NDF :12089.0/20

Left: 1.000+/-0.000 χ^2/NDF : 19113.7/41
Right: 1.750+/-0.021 χ^2/NDF : 0.0/0
In: 1.000+/-0.000 χ^2/NDF :12089.0/20
Out: 1.000+/-0.000 χ^2/NDF :19846.7/21
All: 1.000+/-0.000 χ^2/NDF : 20344.2/42

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.292 ± 0.632 χ^2/NDF : 5.0/1

Left Out: -8.149 ± 0.068 χ^2/NDF : 3613.1/24

Right Out: -2.777 ± 0.299 χ^2/NDF : 359.0/3

Left In: -7.701 ± 0.068 χ^2/NDF : 3737.2/22

Left: -7.928 ± 0.048 χ^2/NDF : 7372.0/47

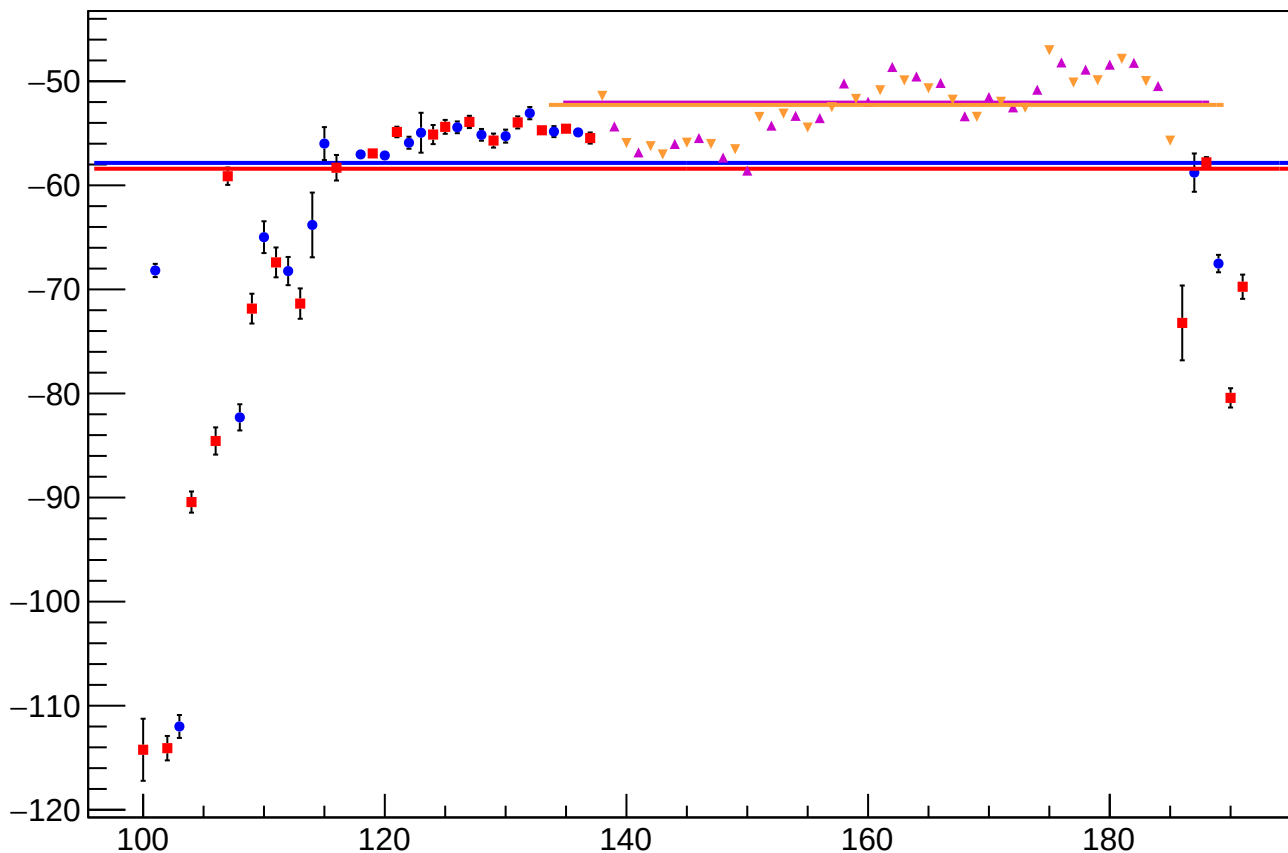
Right: -3.054 ± 0.270 χ^2/NDF : 368.7/5

In: -7.662 ± 0.068 χ^2/NDF : 3771.0/24

Out: -7.888 ± 0.066 χ^2/NDF : 4279.6/28

All: -7.779 ± 0.047 χ^2/NDF : 8056.3/53

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.845+/-0.139 χ^2/NDF : 3593.5/18

Left Out: -52.271+/-0.055 χ^2/NDF : 2609.6/24

Right Out: -58.405+/-0.135 χ^2/NDF : 5398.5/22

Left In: -52.050+/-0.057 χ^2/NDF : 3197.5/22

Left: -52.164+/-0.040 χ^2/NDF : 5814.9/47

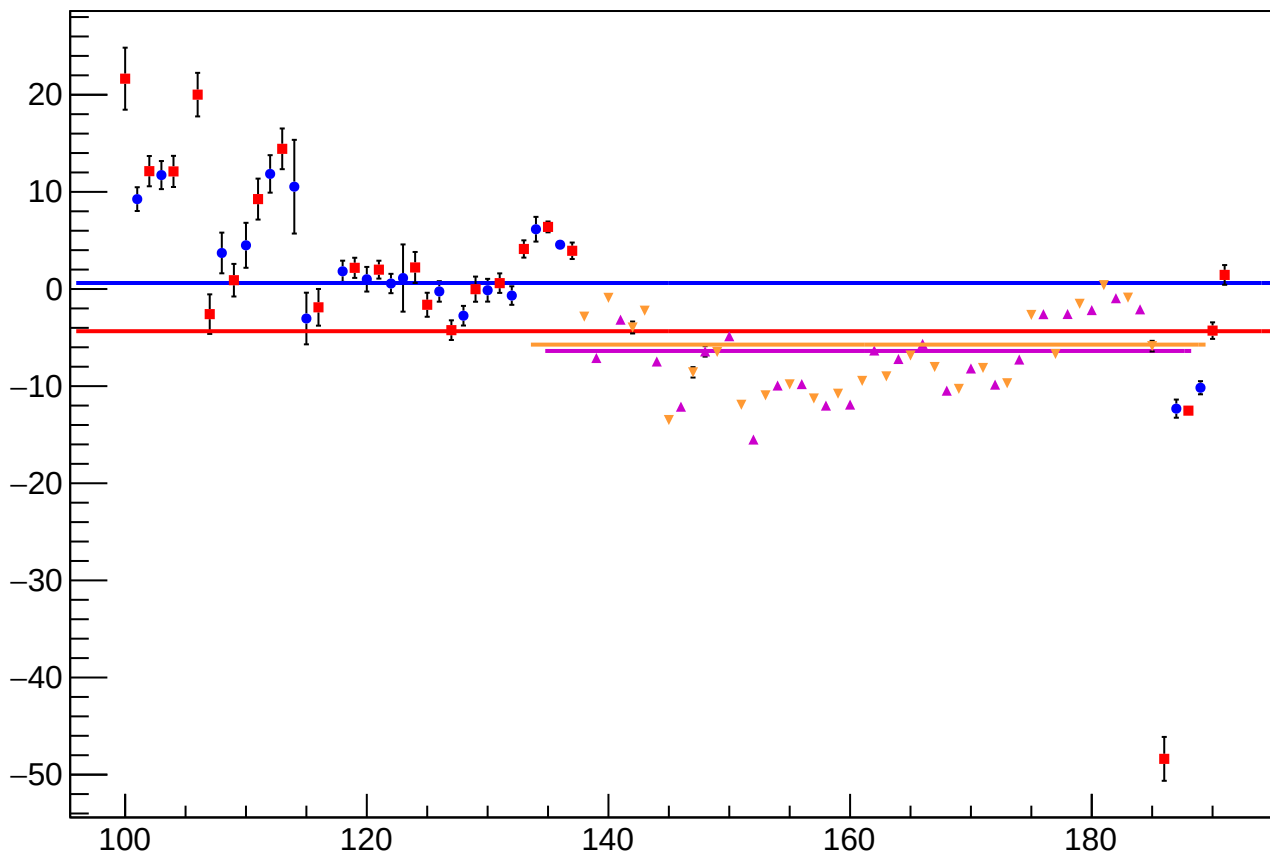
Right: -58.133+/-0.097 χ^2/NDF : 9000.3/41

In: -52.883+/-0.053 χ^2/NDF : 8277.1/41

Out: -53.149+/-0.051 χ^2/NDF : 9775.5/47

All: -53.020+/-0.037 χ^2/NDF : 18065.8/89

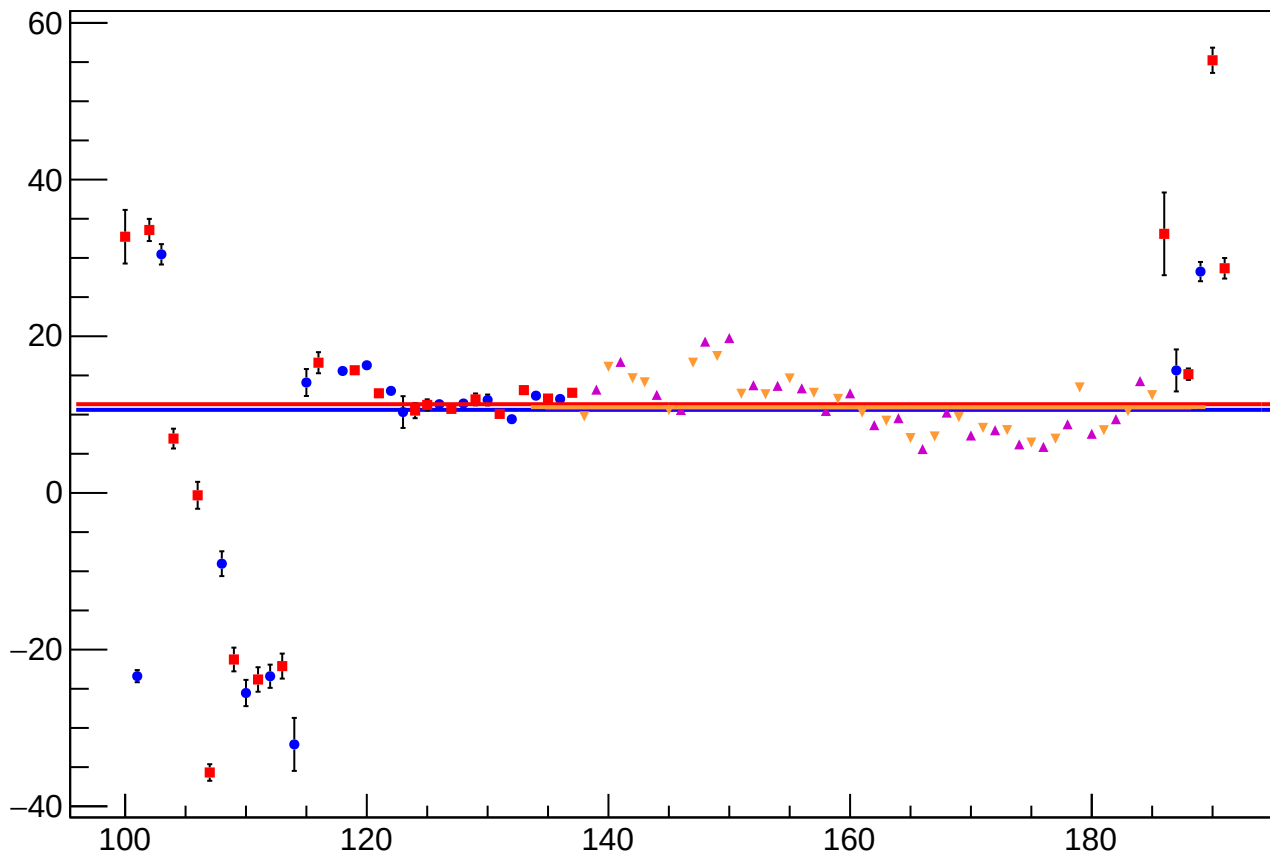
reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.620 ± 0.233 $\chi^2/\text{NDF}: 729.6/18$
 Left Out: -5.725 ± 0.068 $\chi^2/\text{NDF}: 3989.1/24$
 Right Out: -4.343 ± 0.182 $\chi^2/\text{NDF}: 2550.0/22$
 Left In: -6.379 ± 0.068 $\chi^2/\text{NDF}: 3395.7/22$

Left: -6.049 ± 0.048 $\chi^2/\text{NDF}: 7431.1/47$
 Right: -2.459 ± 0.144 $\chi^2/\text{NDF}: 3560.4/41$
 In: -5.826 ± 0.066 $\chi^2/\text{NDF}: 4954.7/41$
 Out: -5.557 ± 0.063 $\chi^2/\text{NDF}: 6589.4/47$
 All: -5.688 ± 0.046 $\chi^2/\text{NDF}: 11552.7/89$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.609 $\pm$ 0.155 χ^2 /NDF: 3925.2/18

Left Out: 10.950 $\pm$ 0.062 χ^2 /NDF: 2620.4/24

Right Out: 11.327 $\pm$ 0.154 χ^2 /NDF: 4822.4/22

Left In: 10.818 $\pm$ 0.063 χ^2 /NDF: 3577.7/22

Left: 10.886 $\pm$ 0.044 χ^2 /NDF: 6200.3/47

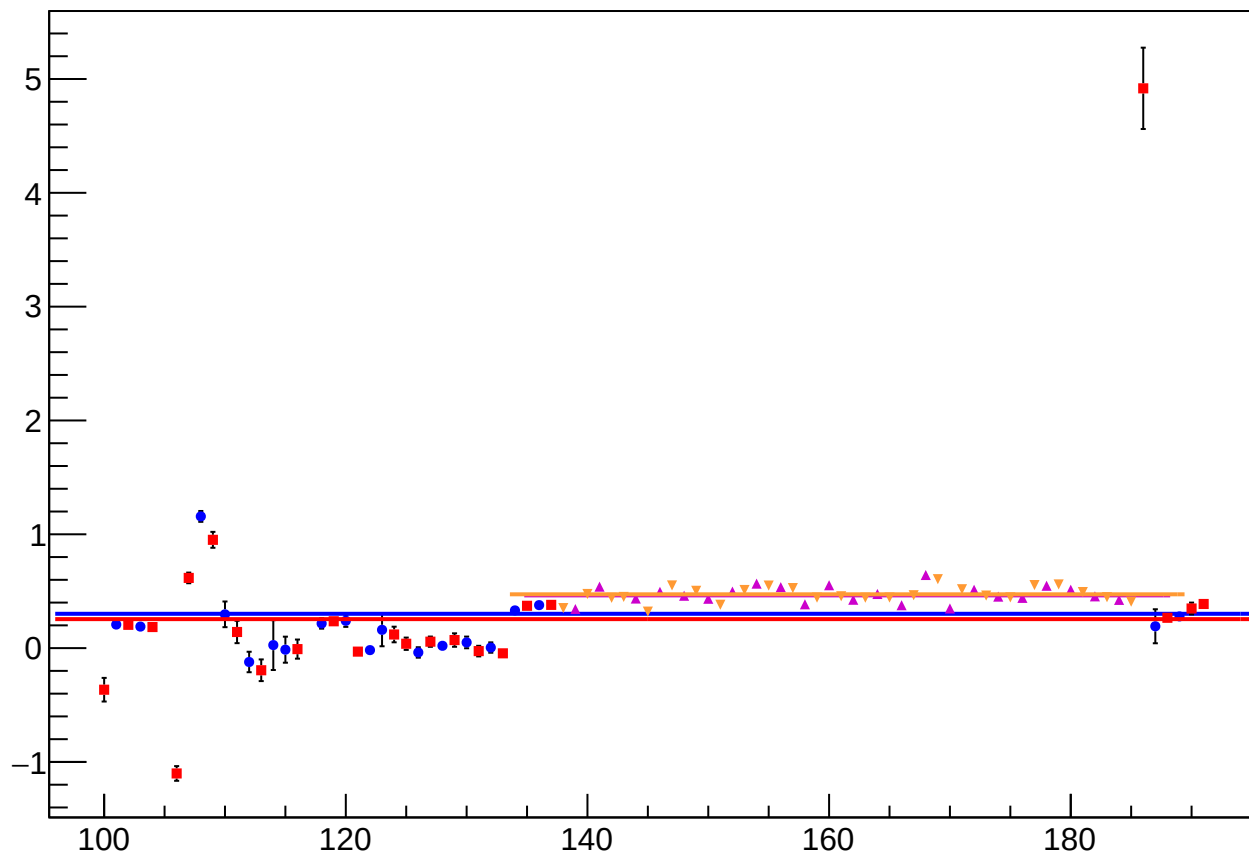
Right: 10.971 $\pm$ 0.109 χ^2 /NDF: 8758.4/41

In: 10.789 $\pm$ 0.058 χ^2 /NDF: 7504.5/41

Out: 11.002 $\pm$ 0.057 χ^2 /NDF: 7447.9/47

All: 10.897 $\pm$ 0.041 χ^2 /NDF: 14959.2/89

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302 ± 0.008 $\chi^2/\text{NDF}: 647.4/18$

Left Out: 0.473 ± 0.003 $\chi^2/\text{NDF}: 515.0/24$

Right Out: 0.255 ± 0.008 $\chi^2/\text{NDF}: 1176.6/22$

Left In: 0.463 ± 0.003 $\chi^2/\text{NDF}: 749.9/22$

Left: 0.468 ± 0.002 $\chi^2/\text{NDF}: 1270.7/47$

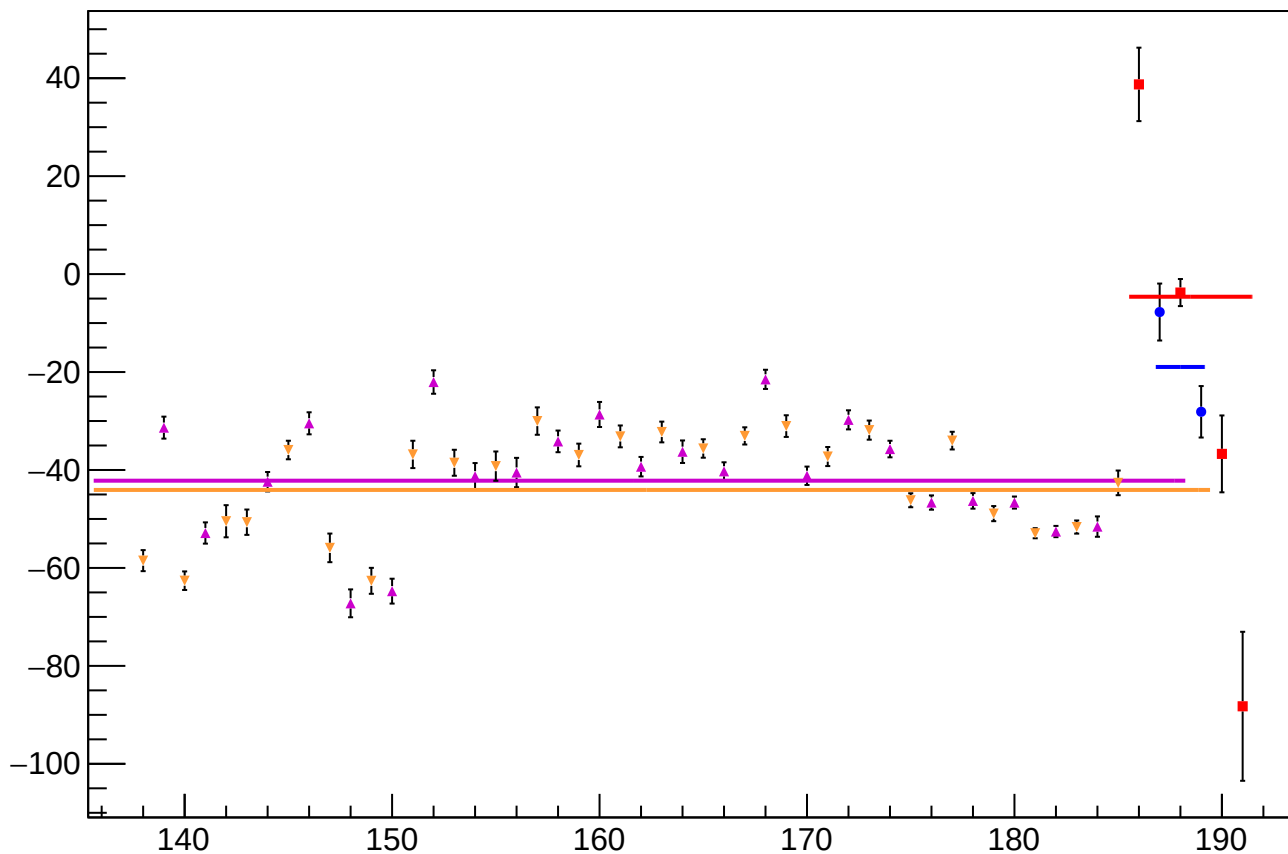
Right: 0.278 ± 0.006 $\chi^2/\text{NDF}: 1841.3/41$

In: 0.446 ± 0.003 $\chi^2/\text{NDF}: 1759.2/41$

Out: 0.449 ± 0.003 $\chi^2/\text{NDF}: 2368.5/47$

All: 0.448 ± 0.002 $\chi^2/\text{NDF}: 4128.3/89$

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -18.963 ± 3.898 χ^2/NDF : 6.8/1

Left Out: -44.074 ± 0.389 χ^2/NDF : 632.8/24

Right Out: -4.624 ± 2.432 χ^2/NDF : 80.5/3

Left In: -42.185 ± 0.398 χ^2/NDF : 651.0/22

Left: -43.149 ± 0.278 χ^2/NDF : 1295.4/47

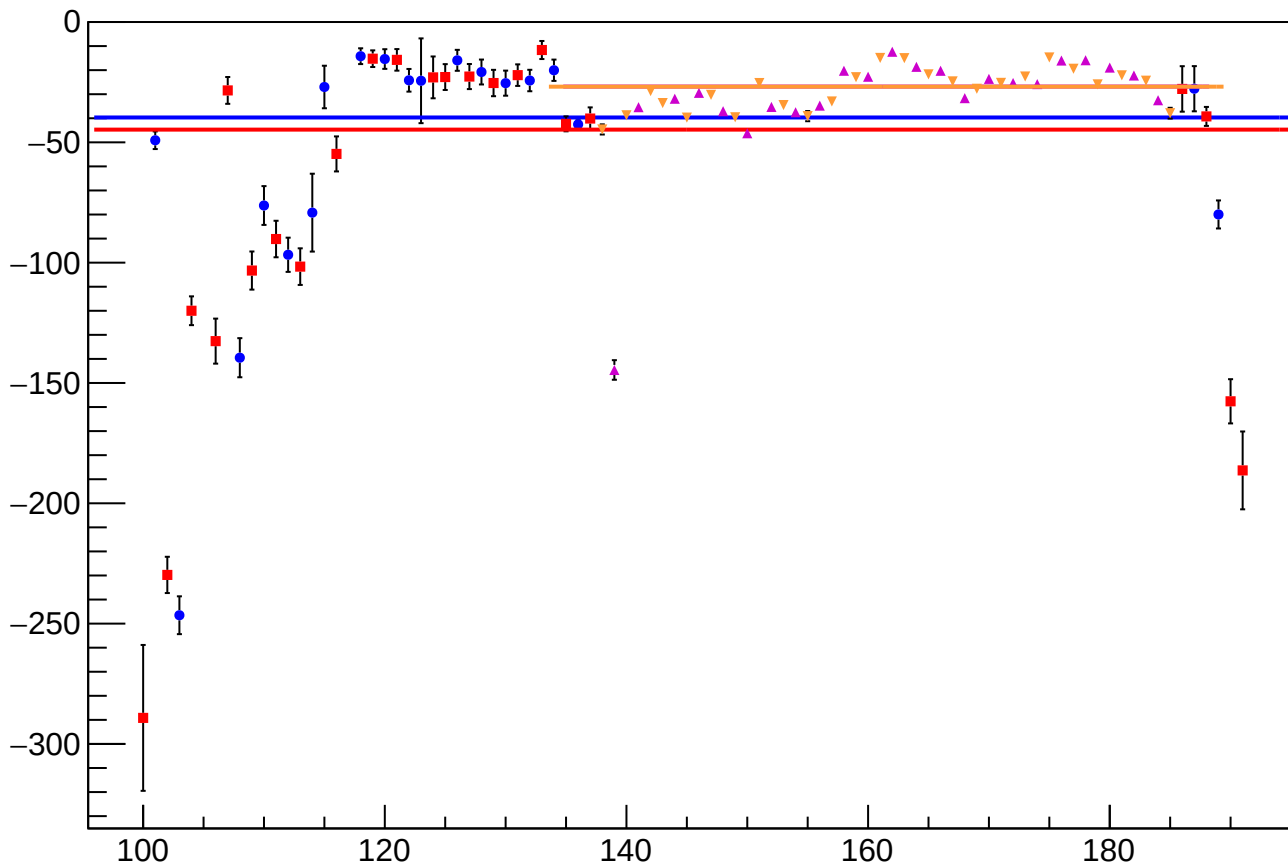
Right: -8.641 ± 2.063 χ^2/NDF : 97.0/5

In: -41.946 ± 0.395 χ^2/NDF : 692.9/24

Out: -43.088 ± 0.384 χ^2/NDF : 969.9/28

All: -42.533 ± 0.276 χ^2/NDF : 1667.1/53

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -39.670 ± 1.108 $\chi^2/\text{NDF}: 1183.6/18$

Left Out: -26.867 ± 0.317 $\chi^2/\text{NDF}: 629.1/24$

Right Out: -44.715 ± 1.137 $\chi^2/\text{NDF}: 1577.0/22$

Left In: -26.825 ± 0.325 $\chi^2/\text{NDF}: 1481.6/22$

Left: -26.847 ± 0.227 $\chi^2/\text{NDF}: 2110.7/47$

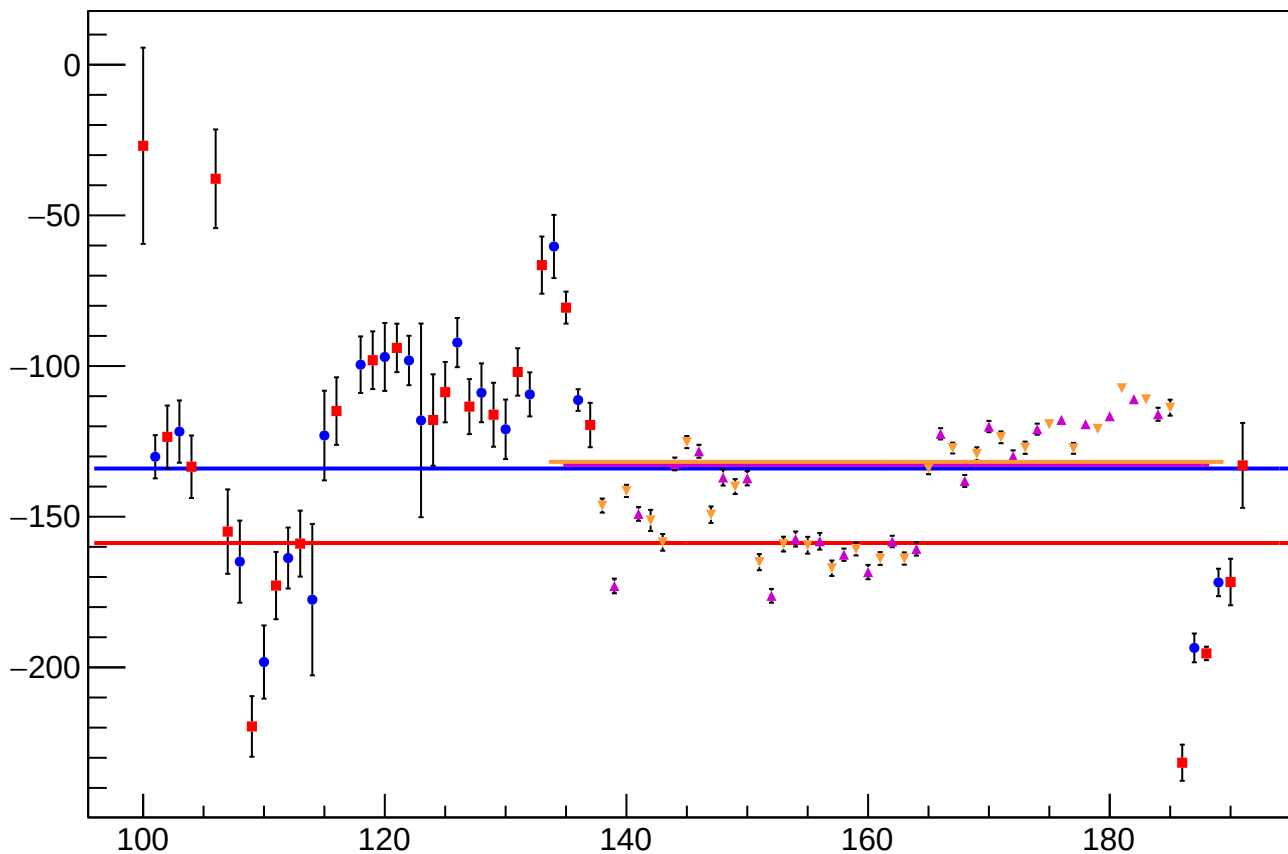
Right: -42.127 ± 0.794 $\chi^2/\text{NDF}: 2770.7/41$

In: -27.845 ± 0.312 $\chi^2/\text{NDF}: 2788.8/41$

Out: -28.154 ± 0.305 $\chi^2/\text{NDF}: 2434.8/47$

All: -28.003 ± 0.218 $\chi^2/\text{NDF}: 5224.1/89$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -134.013 ± 1.755 $\chi^2/\text{NDF}: 450.0/18$

Left Out: -131.805 ± 0.392 $\chi^2/\text{NDF}: 2417.0/24$

Right Out: -158.721 ± 1.480 $\chi^2/\text{NDF}: 1135.9/22$

Left In: -132.799 ± 0.398 $\chi^2/\text{NDF}: 2515.9/22$

Left: -132.294 ± 0.279 $\chi^2/\text{NDF}: 4936.0/47$

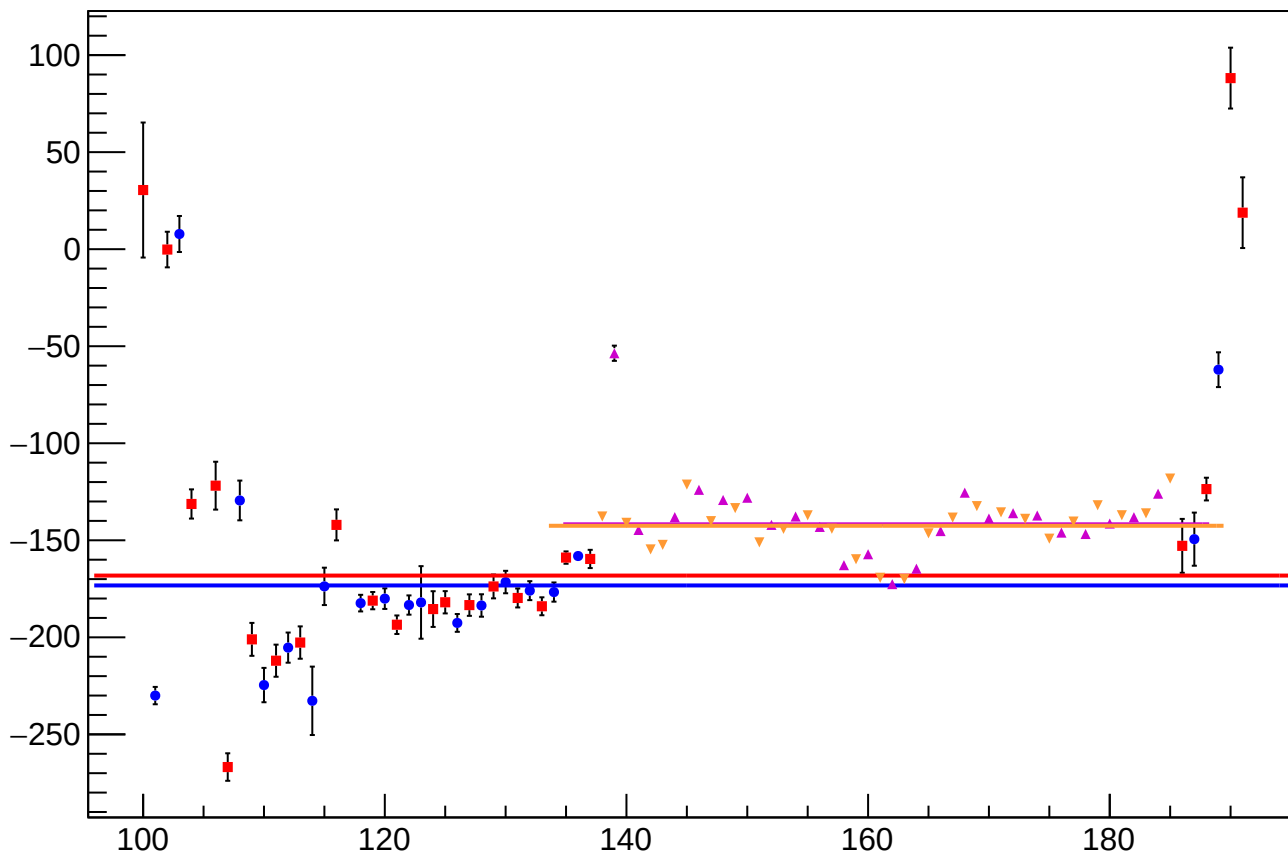
Right: -148.446 ± 1.131 $\chi^2/\text{NDF}: 1701.7/41$

In: -132.858 ± 0.388 $\chi^2/\text{NDF}: 2966.3/41$

Out: -133.569 ± 0.379 $\chi^2/\text{NDF}: 3861.8/47$

All: -133.222 ± 0.271 $\chi^2/\text{NDF}: 6829.8/89$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -173.268 ± 1.250 χ^2/NDF : 853.5/18

Left Out: -142.517 ± 0.355 χ^2/NDF : 1144.2/24

Right Out: -168.177 ± 1.307 χ^2/NDF : 1185.7/22

Left In: -141.769 ± 0.363 χ^2/NDF : 1604.4/22

Left: -142.151 ± 0.254 χ^2/NDF : 2750.7/47

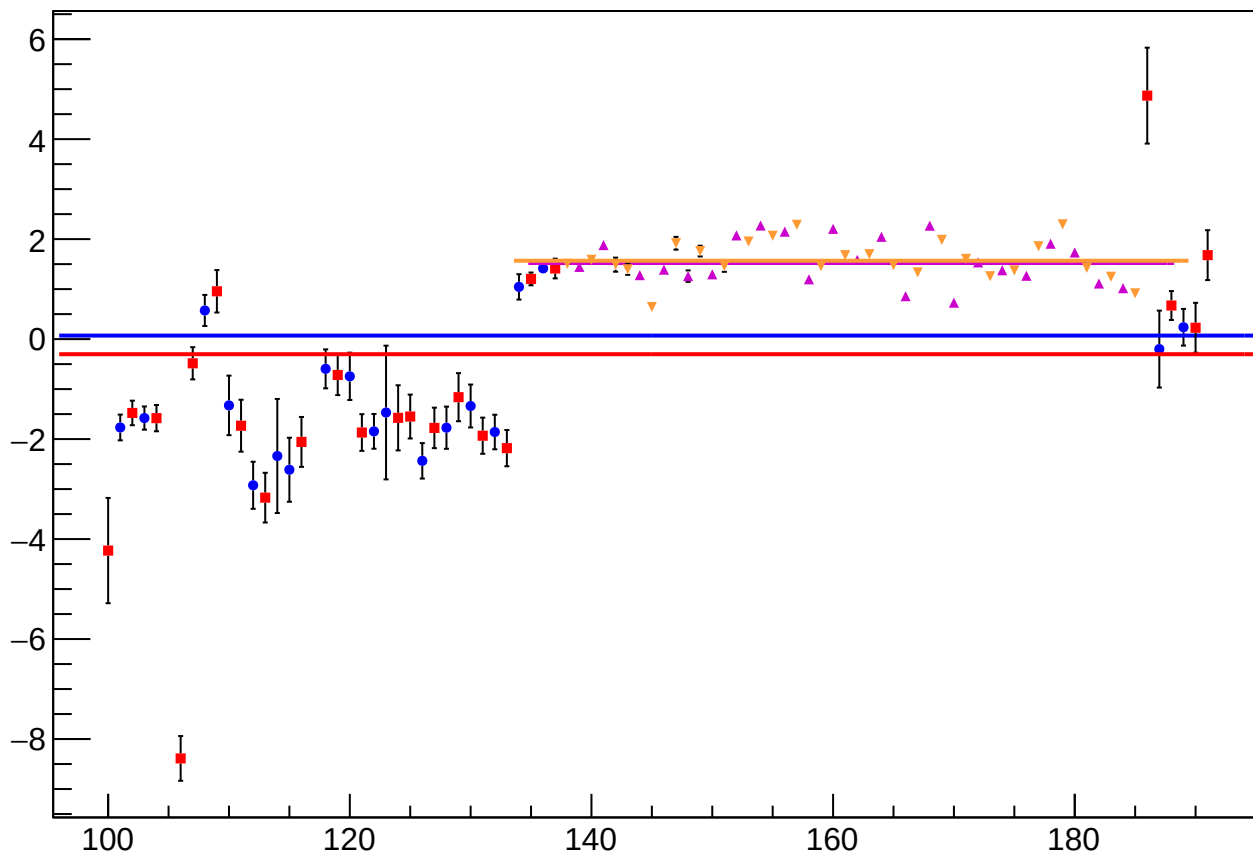
Right: -170.836 ± 0.903 χ^2/NDF : 2047.1/41

In: -144.215 ± 0.348 χ^2/NDF : 3043.6/41

Out: -144.278 ± 0.342 χ^2/NDF : 2688.9/47

All: -144.247 ± 0.244 χ^2/NDF : 5732.6/89

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.070 $\pm$ 0.066 χ^2 /NDF: 526.5/18

Left Out: 1.568 $\pm$ 0.016 χ^2 /NDF: 541.0/24

Right Out: -0.302 $\pm$ 0.068 χ^2 /NDF: 816.0/22

Left In: 1.522 $\pm$ 0.016 χ^2 /NDF: 739.1/22

Left: 1.545 $\pm$ 0.012 χ^2 /NDF: 1284.1/47

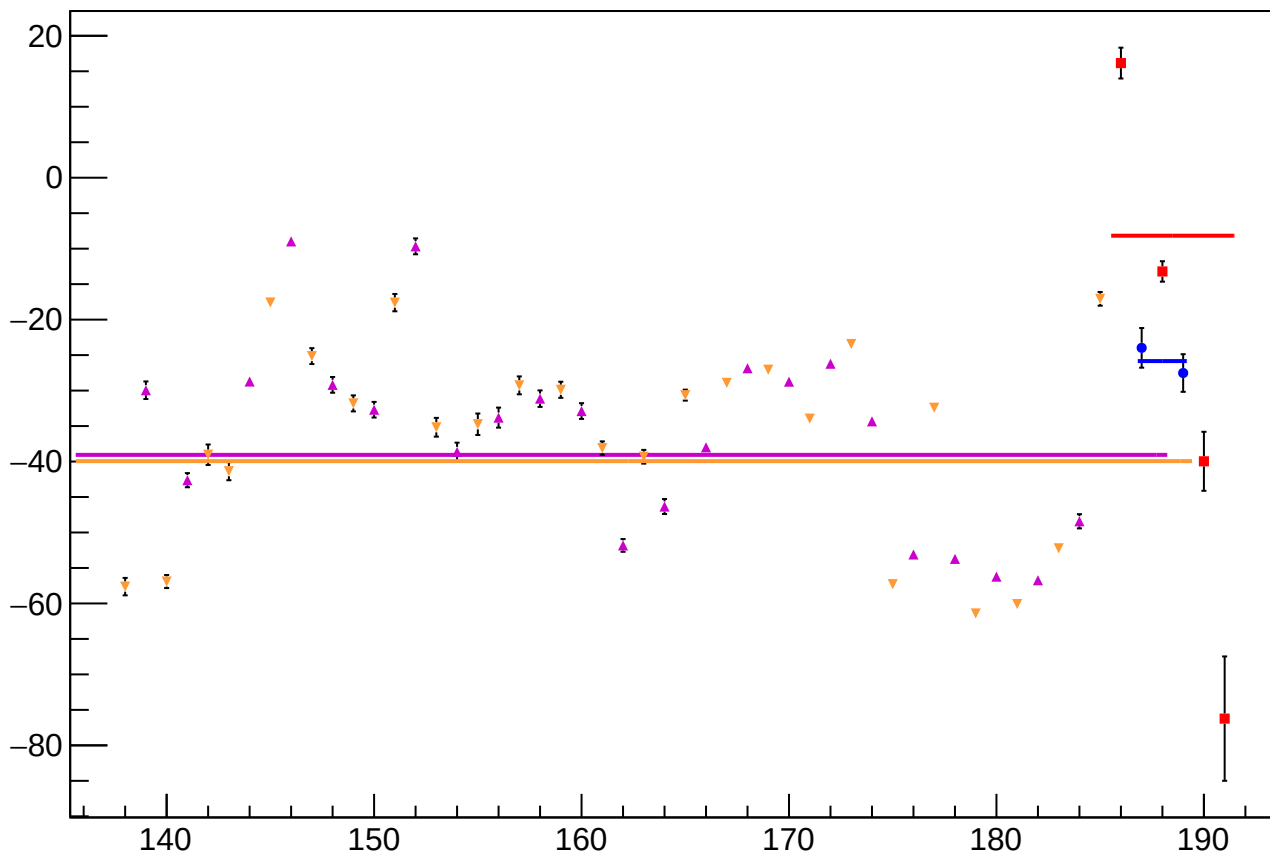
Right: -0.110 $\pm$ 0.047 χ^2 /NDF: 1358.0/41

In: 1.436 $\pm$ 0.016 χ^2 /NDF: 1725.8/41

Out: 1.466 $\pm$ 0.016 χ^2 /NDF: 2080.6/47

All: 1.451 $\pm$ 0.011 χ^2 /NDF: 3808.1/89

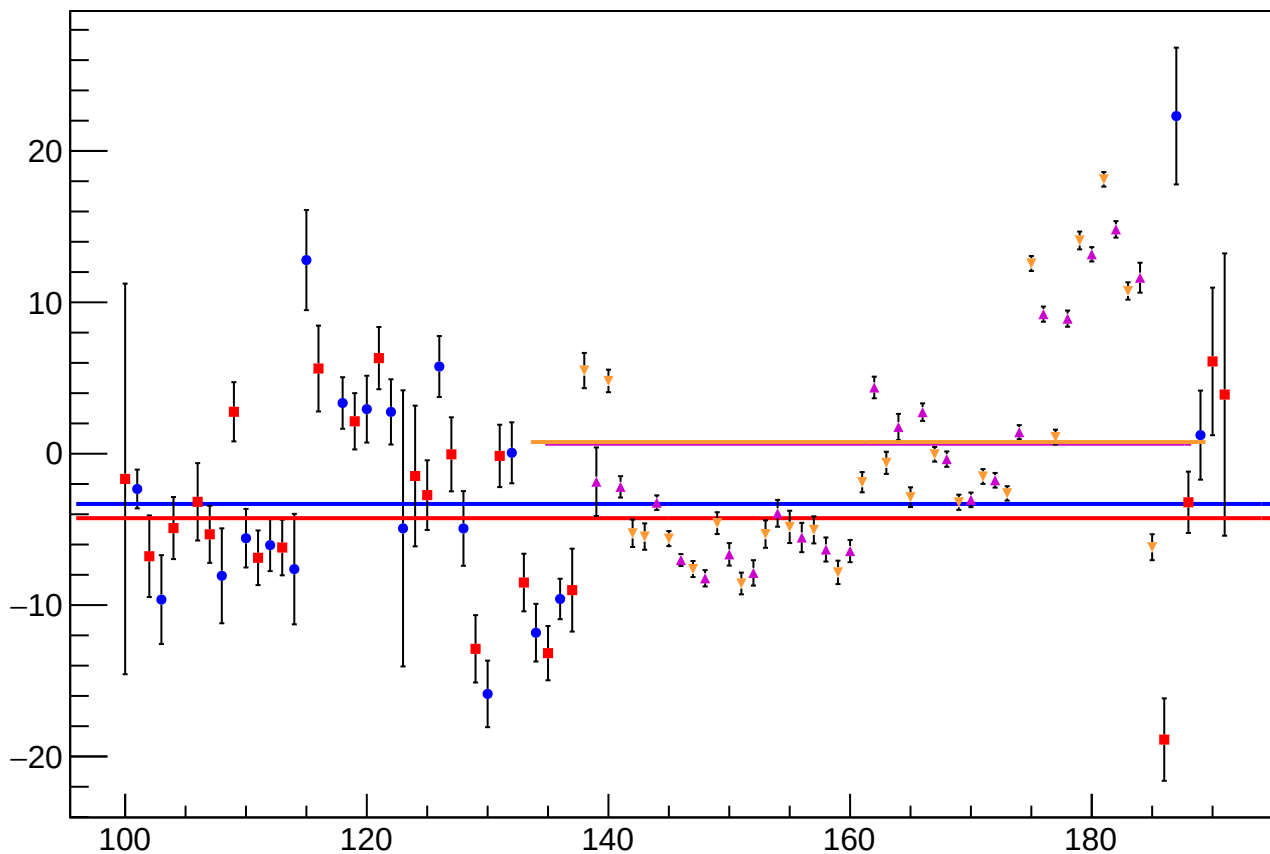
reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.843 ± 1.924 $\chi^2/\text{NDF}: 0.8/1$
 Left Out: -39.942 ± 0.153 $\chi^2/\text{NDF}: 9806.2/24$
 Right Out: -8.172 ± 1.143 $\chi^2/\text{NDF}: 256.4/3$
 Left In: -39.060 ± 0.154 $\chi^2/\text{NDF}: 8577.0/22$

Left: -39.503 ± 0.109 $\chi^2/\text{NDF}: 18399.6/47$
 Right: -12.783 ± 0.983 $\chi^2/\text{NDF}: 319.6/5$
 In: -38.976 ± 0.153 $\chi^2/\text{NDF}: 8624.7/24$
 Out: -39.381 ± 0.152 $\chi^2/\text{NDF}: 10821.3/28$
 All: -39.180 ± 0.108 $\chi^2/\text{NDF}: 19449.5/53$

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.318 ± 0.485 $\chi^2/\text{NDF}: 200.6/18$

Left Out: 0.770 ± 0.124 $\chi^2/\text{NDF}: 3952.9/24$

Right Out: -4.259 ± 0.481 $\chi^2/\text{NDF}: 158.1/22$

Left In: 0.662 ± 0.124 $\chi^2/\text{NDF}: 3340.9/22$

Left: 0.716 ± 0.088 $\chi^2/\text{NDF}: 7294.2/47$

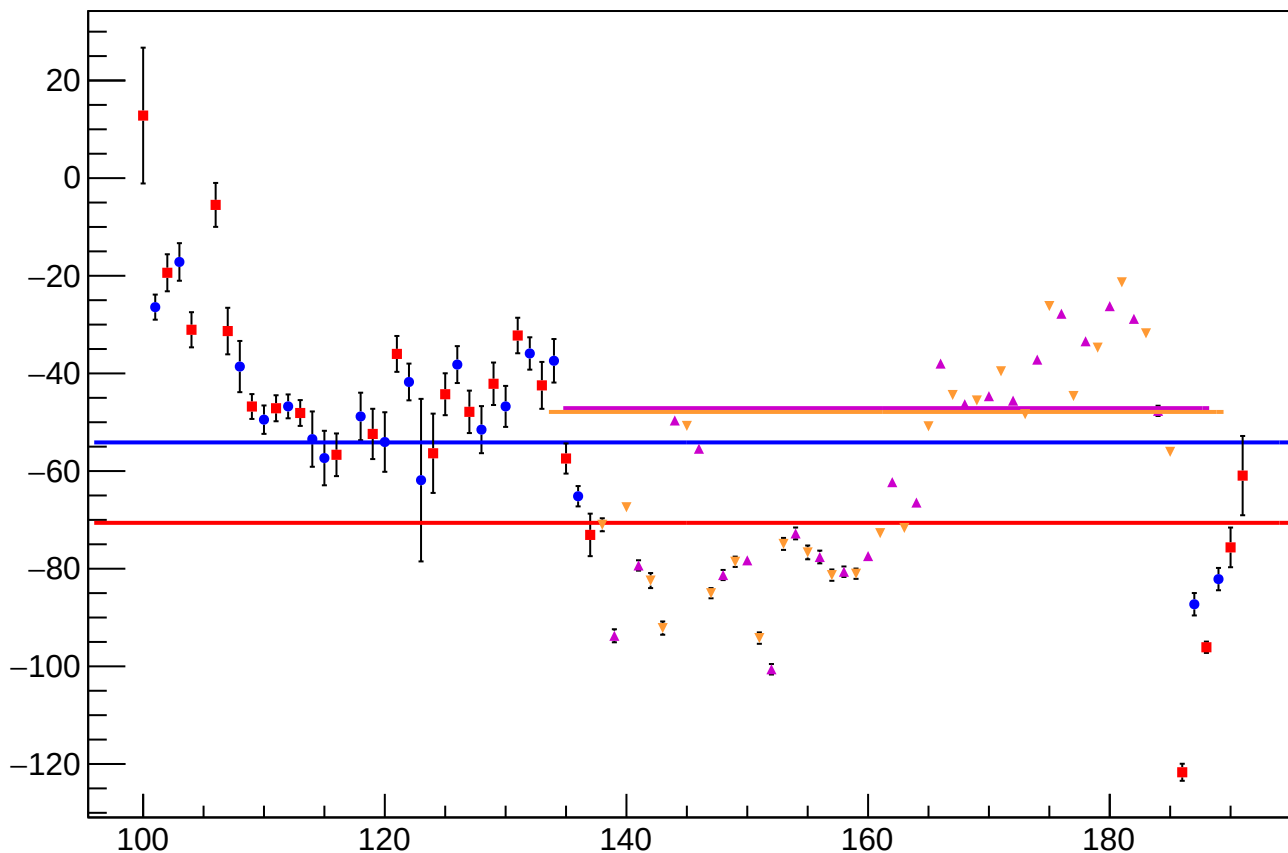
Right: -3.793 ± 0.342 $\chi^2/\text{NDF}: 360.6/41$

In: 0.418 ± 0.120 $\chi^2/\text{NDF}: 3604.7/41$

Out: 0.455 ± 0.120 $\chi^2/\text{NDF}: 4213.5/47$

All: 0.437 ± 0.085 $\chi^2/\text{NDF}: 7818.2/89$

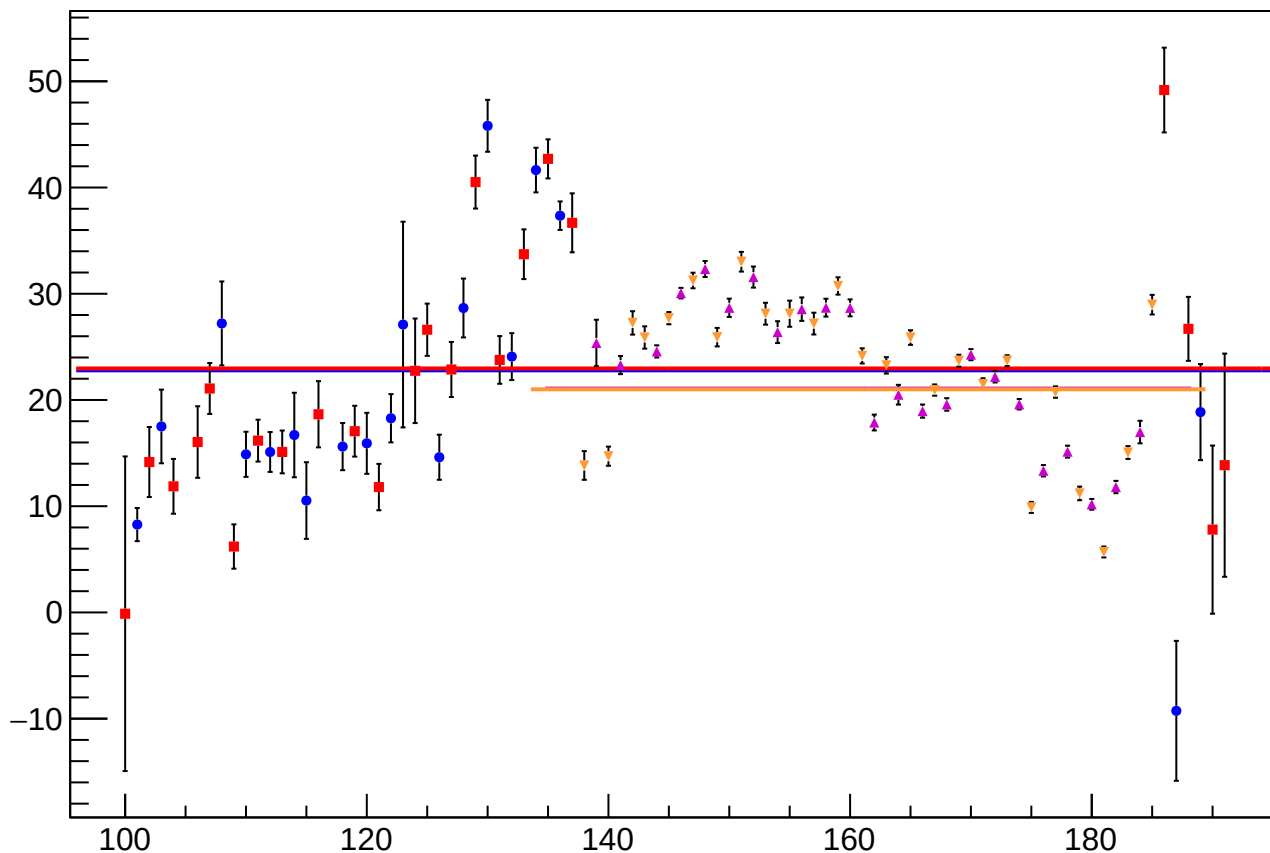
reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.133 ± 0.774 χ^2/NDF : 693.3/18
 Left Out: -47.888 ± 0.155 χ^2/NDF : 16707.2/24
 Right Out: -70.605 ± 0.639 χ^2/NDF : 2583.7/22
 Left In: -47.112 ± 0.155 χ^2/NDF : 15654.8/22

Left: -47.500 ± 0.109 χ^2/NDF : 32374.6/47
 Right: -63.924 ± 0.493 χ^2/NDF : 3546.3/41
 In: -47.382 ± 0.152 χ^2/NDF : 16427.2/41
 Out: -49.146 ± 0.150 χ^2/NDF : 20483.8/47
 All: -48.272 ± 0.107 χ^2/NDF : 36979.2/89

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.791 $\pm$ 0.550 χ^2 /NDF: 485.8/18

Left Out: 21.005 $\pm$ 0.139 χ^2 /NDF:2789.5/24

Right Out: 22.966 $\pm$ 0.555 χ^2 /NDF: 420.4/22

Left In: 21.069 $\pm$ 0.139 χ^2 /NDF:2176.7/22

Left: 21.037 $\pm$ 0.098 χ^2 /NDF: 4966.4/47

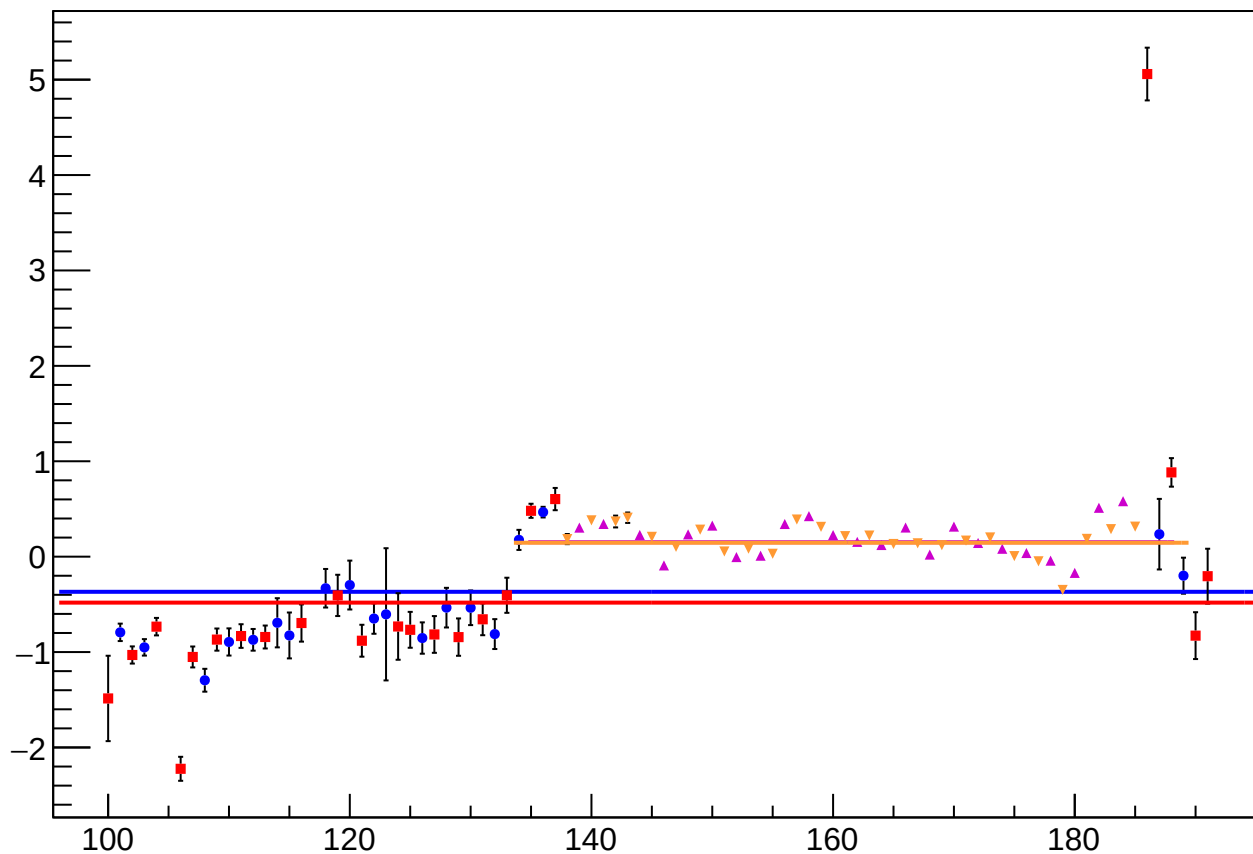
Right: 22.878 $\pm$ 0.390 χ^2 /NDF: 906.3/41

In: 21.173 $\pm$ 0.135 χ^2 /NDF:2671.8/41

Out: 21.121 $\pm$ 0.135 χ^2 /NDF:3221.7/47

All: 21.147 $\pm$ 0.095 χ^2 /NDF: 5893.6/89

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.368 ± 0.030 $\chi^2/\text{NDF}: 440.7/18$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 609.8/24$

Right Out: -0.482 ± 0.029 $\chi^2/\text{NDF}: 1059.3/22$

Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 873.9/22$

Left: 0.149 ± 0.004 $\chi^2/\text{NDF}: 1484.1/47$

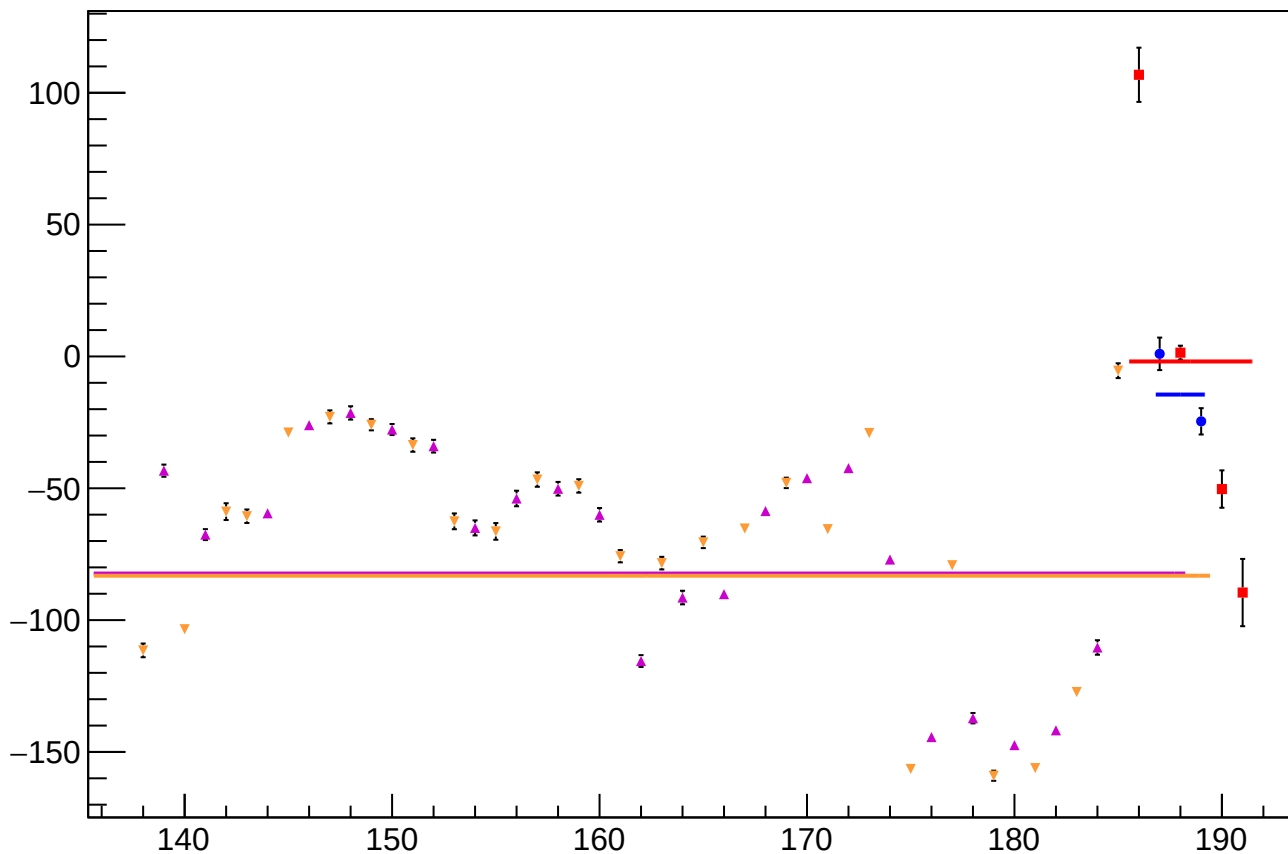
Right: -0.426 ± 0.021 $\chi^2/\text{NDF}: 1507.5/41$

In: 0.128 ± 0.006 $\chi^2/\text{NDF}: 1609.3/41$

Out: 0.117 ± 0.006 $\chi^2/\text{NDF}: 2114.8/47$

All: 0.123 ± 0.004 $\chi^2/\text{NDF}: 3725.6/89$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.457 ± 3.881 χ^2/NDF : 10.4/1

Left Out: -83.163 ± 0.407 χ^2/NDF : 13794.3/24

Right Out: -1.902 ± 2.373 χ^2/NDF : 207.2/3

Left In: -82.342 ± 0.413 χ^2/NDF : 10954.9/22

Left: -82.758 ± 0.290 χ^2/NDF : 24751.3/47

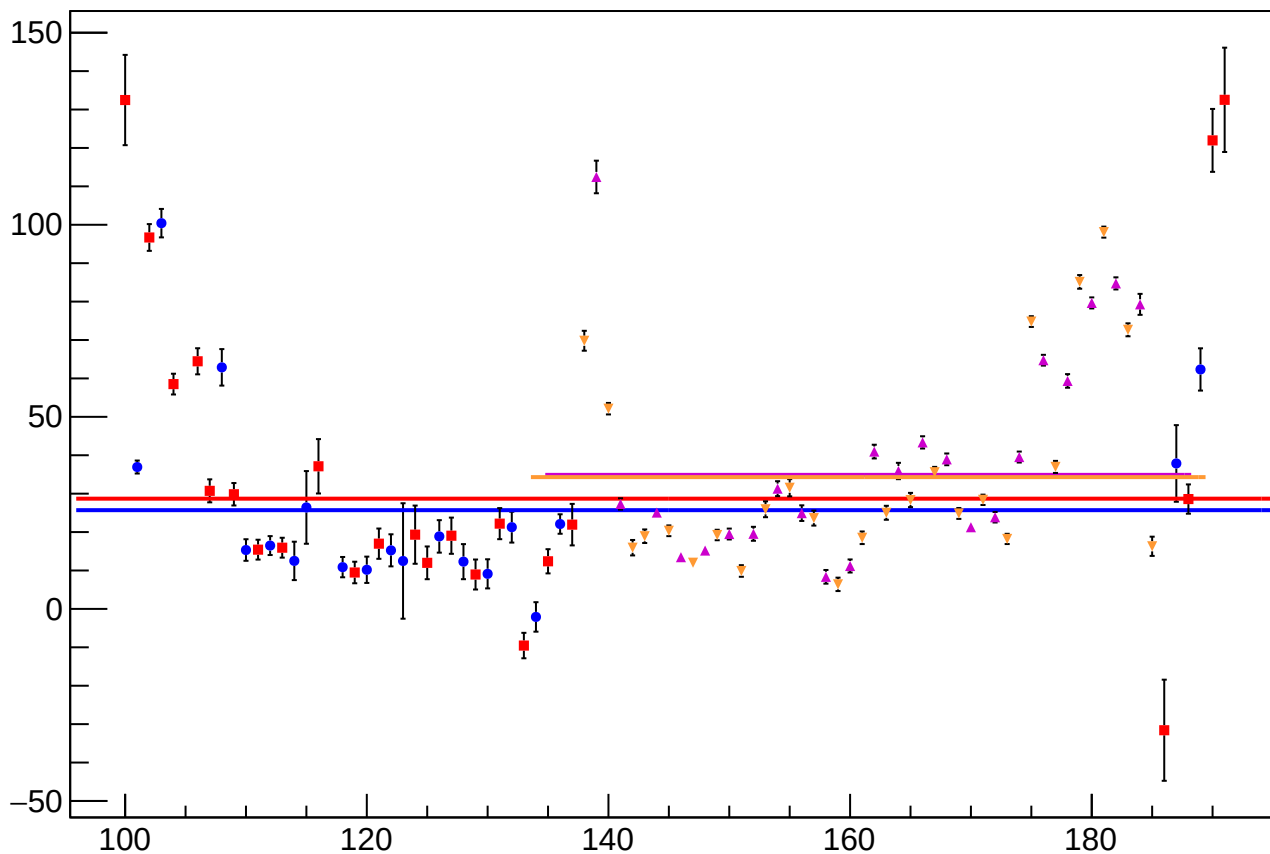
Right: -5.318 ± 2.025 χ^2/NDF : 225.2/5

In: -81.582 ± 0.411 χ^2/NDF : 11267.9/24

Out: -80.840 ± 0.401 χ^2/NDF : 15140.6/28

All: -81.202 ± 0.287 χ^2/NDF : 26410.2/53

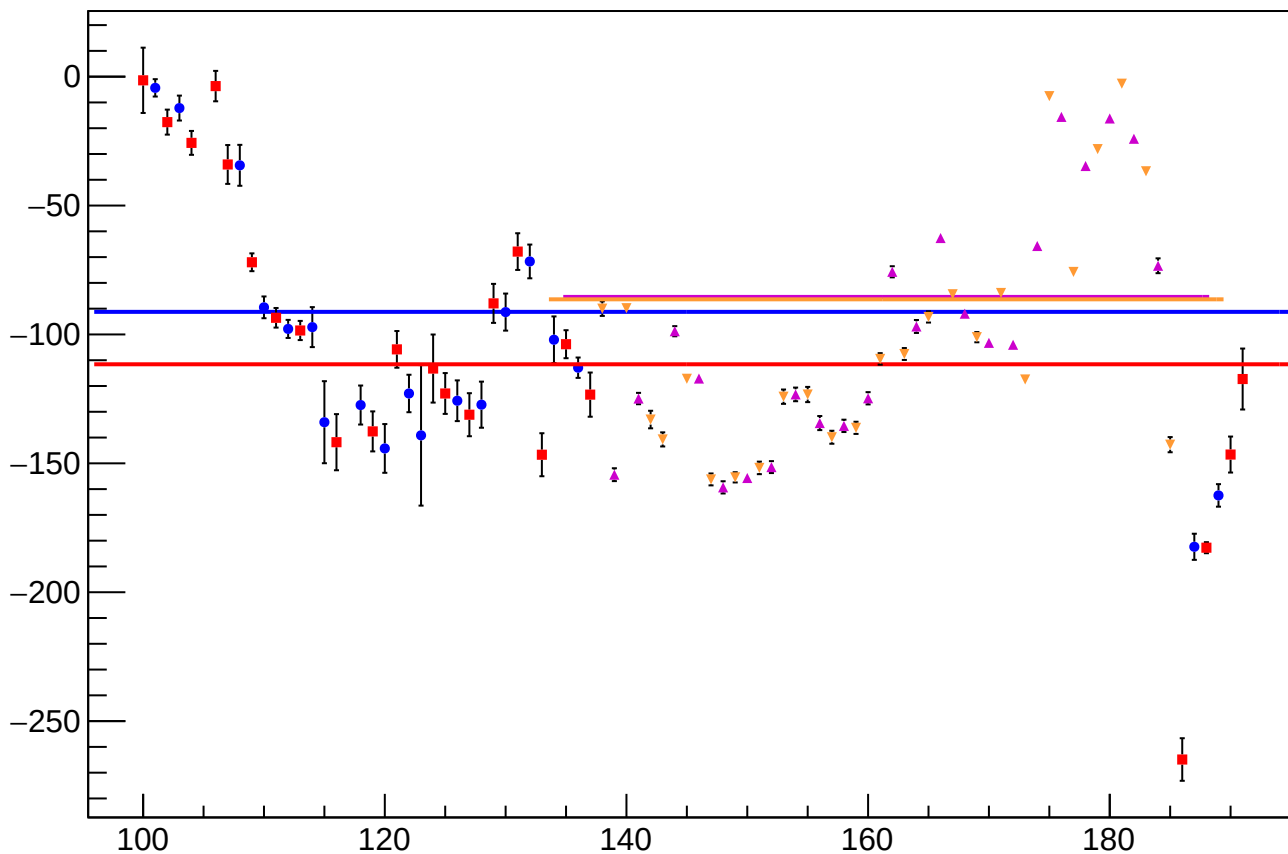
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.702 ± 0.790 $\chi^2/\text{NDF}: 737.8/18$
 Left Out: 34.306 ± 0.321 $\chi^2/\text{NDF}: 6163.7/24$
 Right Out: 28.697 ± 0.786 $\chi^2/\text{NDF}: 1219.9/22$
 Left In: 34.893 ± 0.328 $\chi^2/\text{NDF}: 4754.6/22$

Left: 34.593 ± 0.229 $\chi^2/\text{NDF}: 10919.9/47$
 Right: 27.207 ± 0.557 $\chi^2/\text{NDF}: 1964.9/41$
 In: 33.540 ± 0.303 $\chi^2/\text{NDF}: 5607.8/41$
 Out: 33.505 ± 0.297 $\chi^2/\text{NDF}: 7427.3/47$
 All: 33.522 ± 0.212 $\chi^2/\text{NDF}: 13035.1/89$

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.237 ± 1.299 $\chi^2/\text{NDF}: 1736.4/18$

Left Out: -86.377 ± 0.409 $\chi^2/\text{NDF}: 14435.1/24$

Right Out: -111.574 ± 1.113 $\chi^2/\text{NDF}: 2967.9/22$

Left In: -85.441 ± 0.413 $\chi^2/\text{NDF}: 12998.9/22$

Left: -85.914 ± 0.291 $\chi^2/\text{NDF}: 27436.5/47$

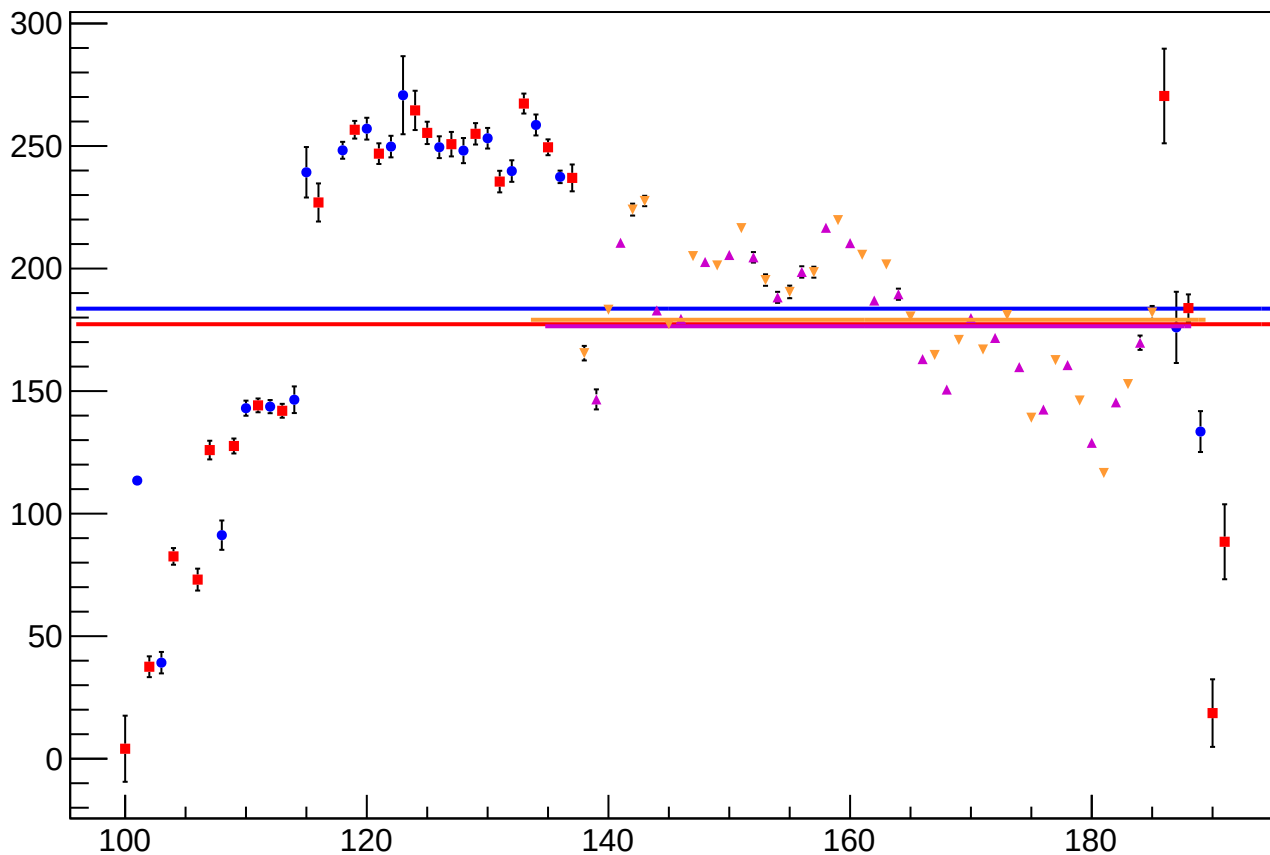
Right: -102.961 ± 0.845 $\chi^2/\text{NDF}: 4845.6/41$

In: -85.973 ± 0.394 $\chi^2/\text{NDF}: 14753.3/41$

Out: -89.374 ± 0.384 $\chi^2/\text{NDF}: 17854.2/47$

All: -87.716 ± 0.275 $\chi^2/\text{NDF}: 32645.8/89$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.640 $\pm$ 0.906 χ^2 /NDF: 5437.9/18

Left Out: 179.109 $\pm$ 0.363 χ^2 /NDF: 5877.5/24

Right Out: 177.287 $\pm$ 0.907 χ^2 /NDF: 6522.2/22

Left In: 176.449 $\pm$ 0.370 χ^2 /NDF: 4442.1/22

Left: 177.804 $\pm$ 0.259 χ^2 /NDF: 10345.9/47

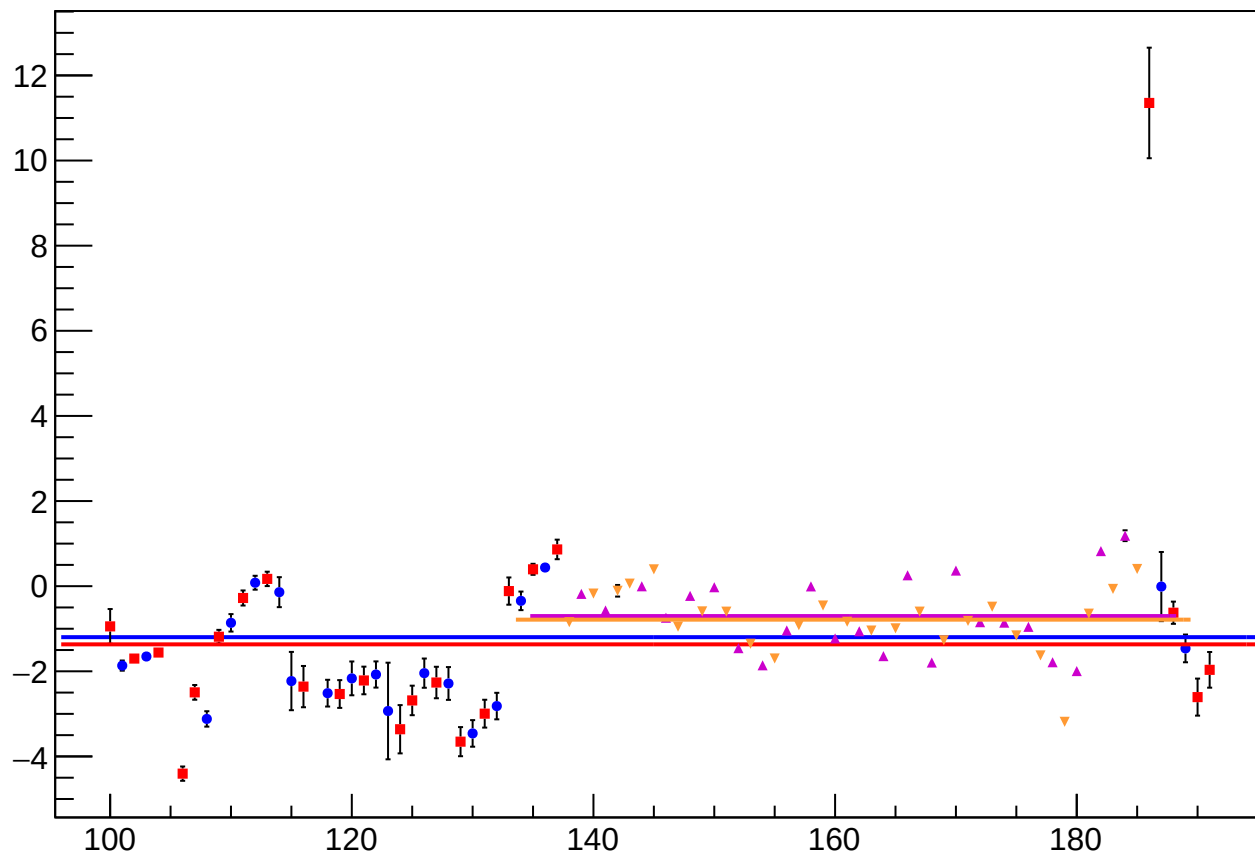
Right: 180.465 $\pm$ 0.641 χ^2 /NDF: 11984.6/41

In: 177.474 $\pm$ 0.342 χ^2 /NDF: 9933.9/41

Out: 178.858 $\pm$ 0.337 χ^2 /NDF: 12403.1/47

All: 178.177 $\pm$ 0.240 χ^2 /NDF: 22345.4/89

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.198 ± 0.047 χ^2/NDF : 625.9/18

Left Out: -0.787 ± 0.017 χ^2/NDF : 1760.7/24

Right Out: -1.367 ± 0.045 χ^2/NDF : 1038.8/22

Left In: -0.702 ± 0.017 χ^2/NDF : 2421.3/22

Left: -0.745 ± 0.012 χ^2/NDF : 4194.8/47

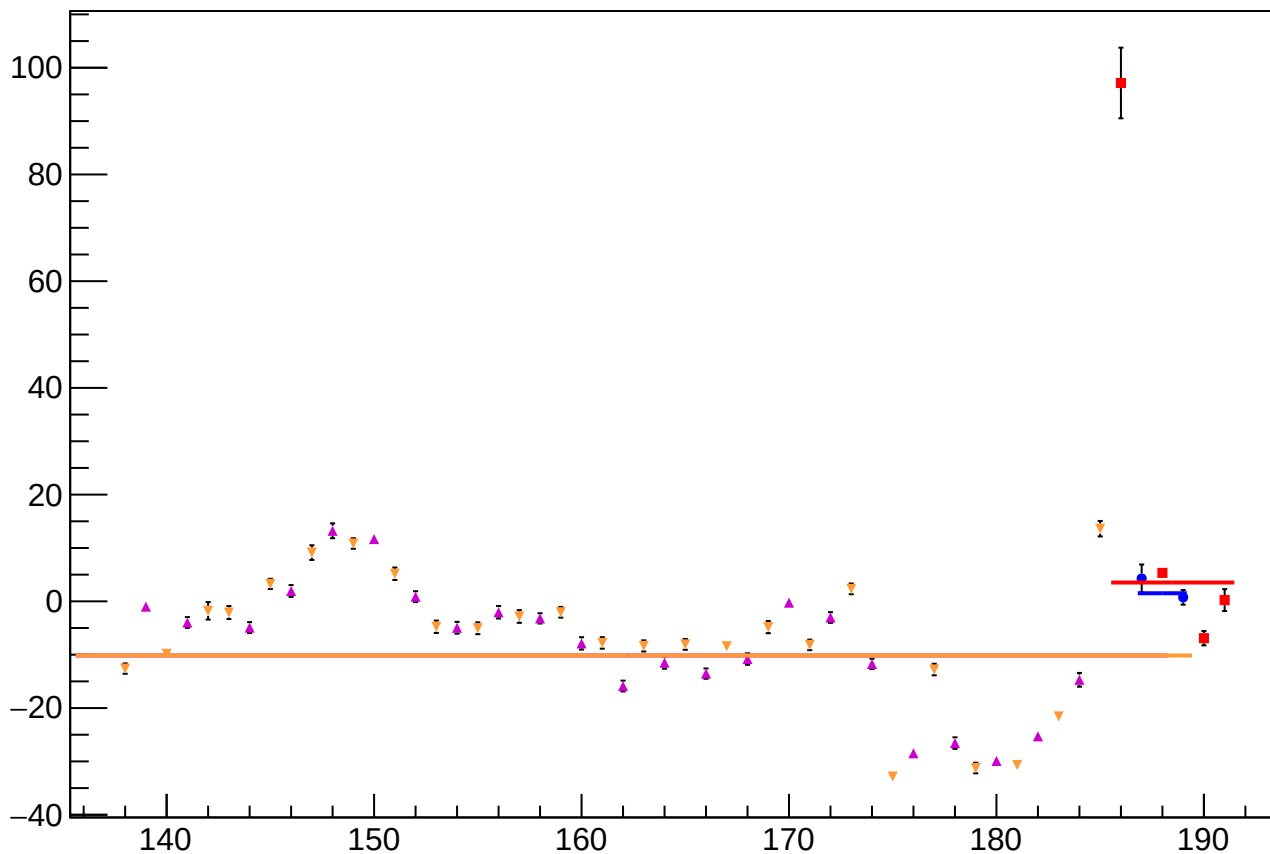
Right: -1.288 ± 0.032 χ^2/NDF : 1671.4/41

In: -0.757 ± 0.016 χ^2/NDF : 3144.0/41

Out: -0.858 ± 0.016 χ^2/NDF : 2948.3/47

All: -0.808 ± 0.011 χ^2/NDF : 6112.6/89

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.515+/-1.216 χ^2/NDF : 1.4/1

Left Out: -10.147+/-0.202 χ^2/NDF : 4128.5/24

Right Out: 3.527+/-0.554 χ^2/NDF : 270.5/3

Left In: -10.149+/-0.204 χ^2/NDF : 3491.7/22

Left: -10.148+/-0.143 χ^2/NDF : 7620.2/47

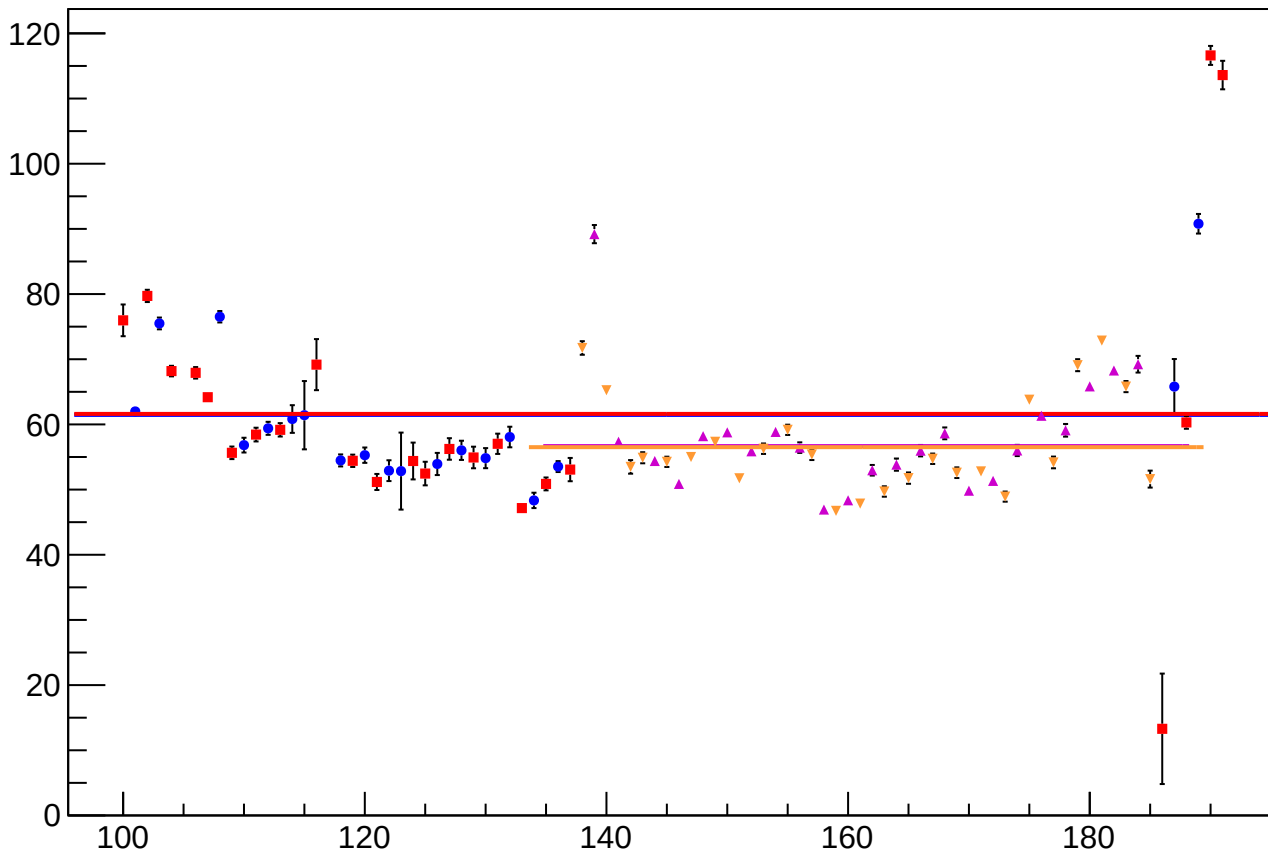
Right: 3.181+/-0.504 χ^2/NDF : 274.2/5

In: -9.830+/-0.201 χ^2/NDF : 3582.7/24

Out: -8.547+/-0.190 χ^2/NDF : 4936.3/28

All: -9.151+/-0.138 χ^2/NDF : 8540.5/53

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 61.457+/-0.257 χ^2/NDF : 1324.0/18

Left Out: 56.508+/-0.159 χ^2/NDF :1962.3/24

Right Out: 61.611+/-0.236 χ^2/NDF : 3415.6/22

Left In: 56.674+/-0.165 χ^2/NDF :1679.8/22

Left: 56.588+/-0.114 χ^2/NDF : 3642.7/47

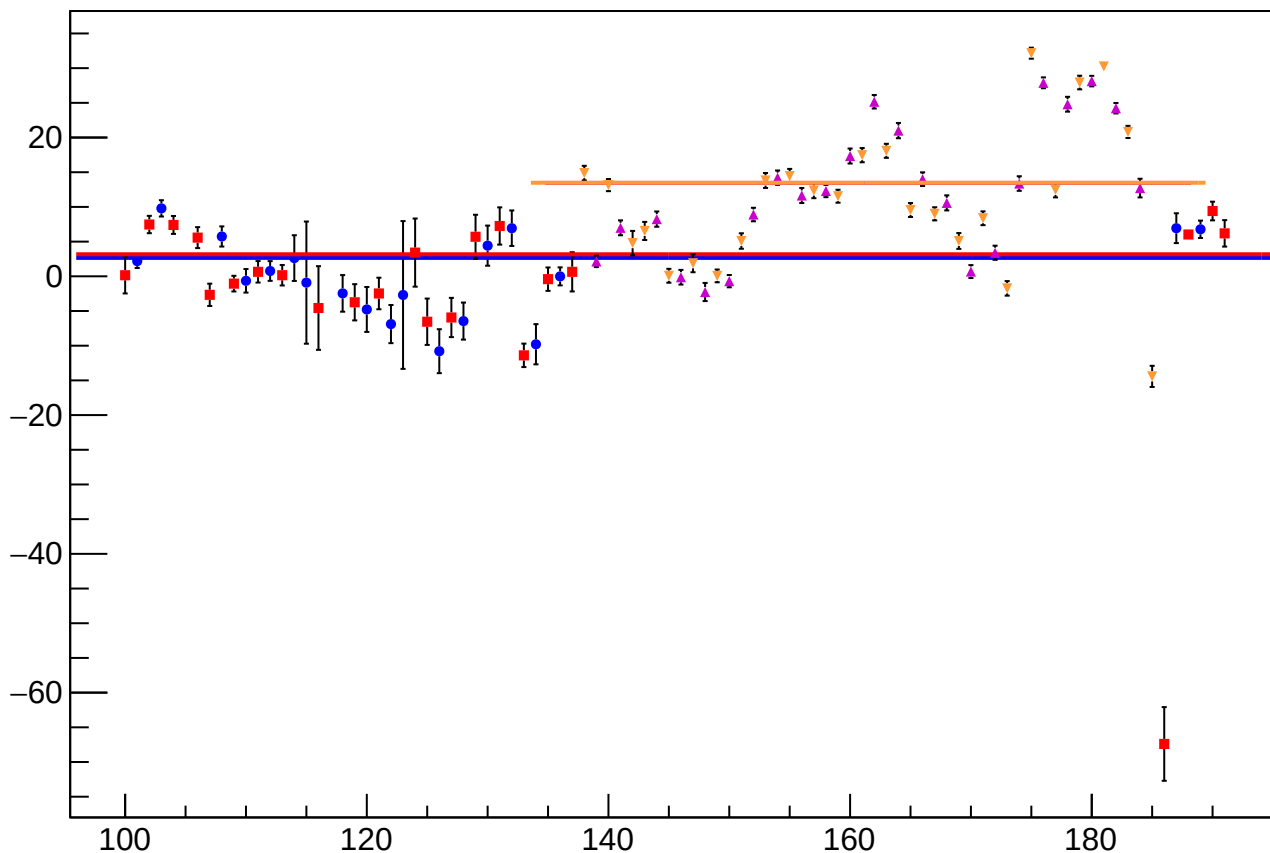
Right: 61.541+/-0.174 χ^2/NDF : 4739.7/41

In: 58.065+/-0.139 χ^2/NDF :3249.1/41

Out: 58.109+/-0.132 χ^2/NDF :5700.0/47

All: 58.088+/-0.096 χ^2/NDF : 8949.1/89

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.658 ± 0.422 χ^2/NDF : 139.0/18

Left Out: 13.485 ± 0.202 χ^2/NDF : 2731.0/24

Right Out: 3.175 ± 0.314 χ^2/NDF : 407.3/22

Left In: 13.456 ± 0.203 χ^2/NDF : 2371.9/22

Left: 13.471 ± 0.143 χ^2/NDF : 5102.9/47

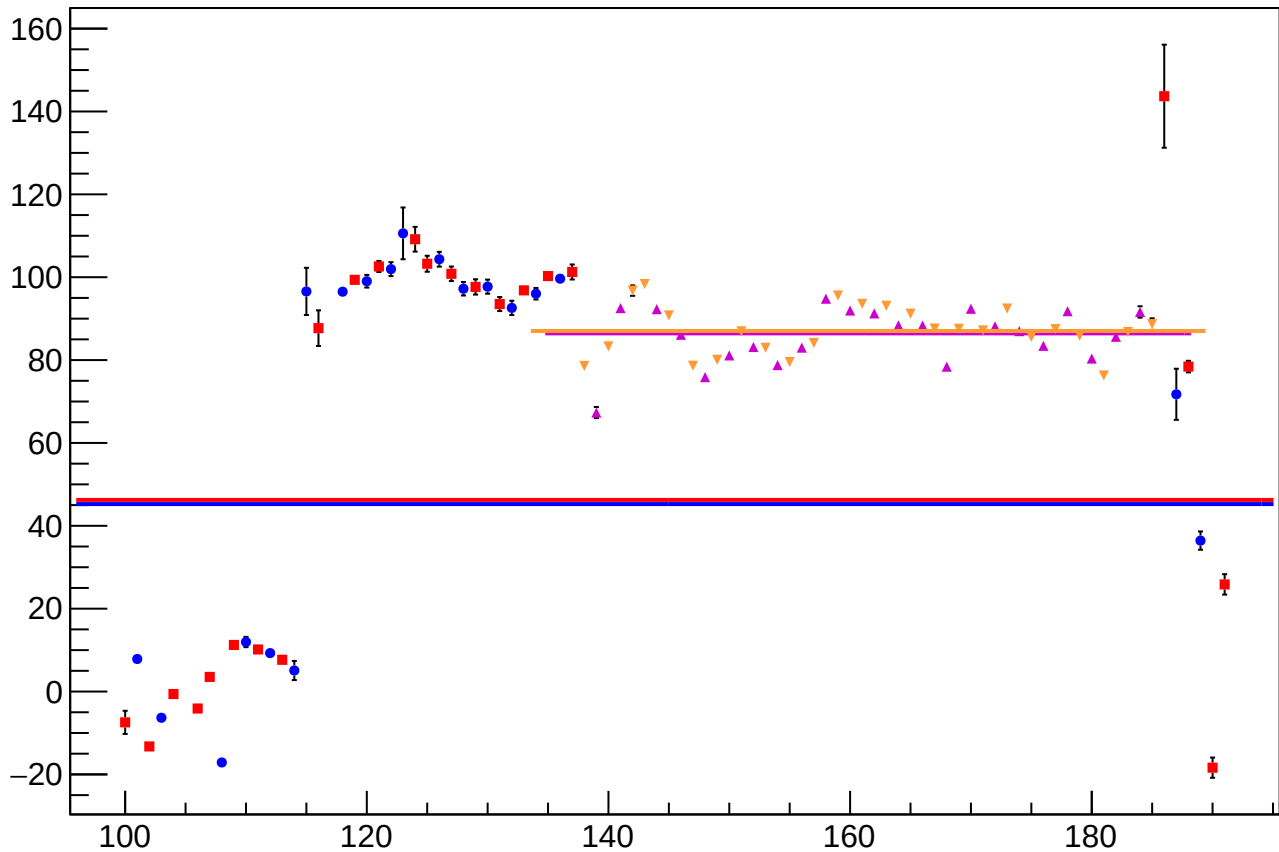
Right: 2.991 ± 0.252 χ^2/NDF : 547.3/41

In: 11.423 ± 0.183 χ^2/NDF : 3043.4/41

Out: 10.475 ± 0.170 χ^2/NDF : 3899.9/47

All: 10.914 ± 0.124 χ^2/NDF : 6957.7/89

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.241 $\pm$ 0.300 χ^2 /NDF: 25105.5/18

Left Out: 87.023 $\pm$ 0.179 χ^2 /NDF:1057.2/24

Right Out: 46.249 $\pm$ 0.280 χ^2 /NDF: 29581.3/22

Left In: 86.443 $\pm$ 0.184 χ^2 /NDF:1038.6/22

Left: 86.740 $\pm$ 0.128 χ^2 /NDF: 2100.8/47

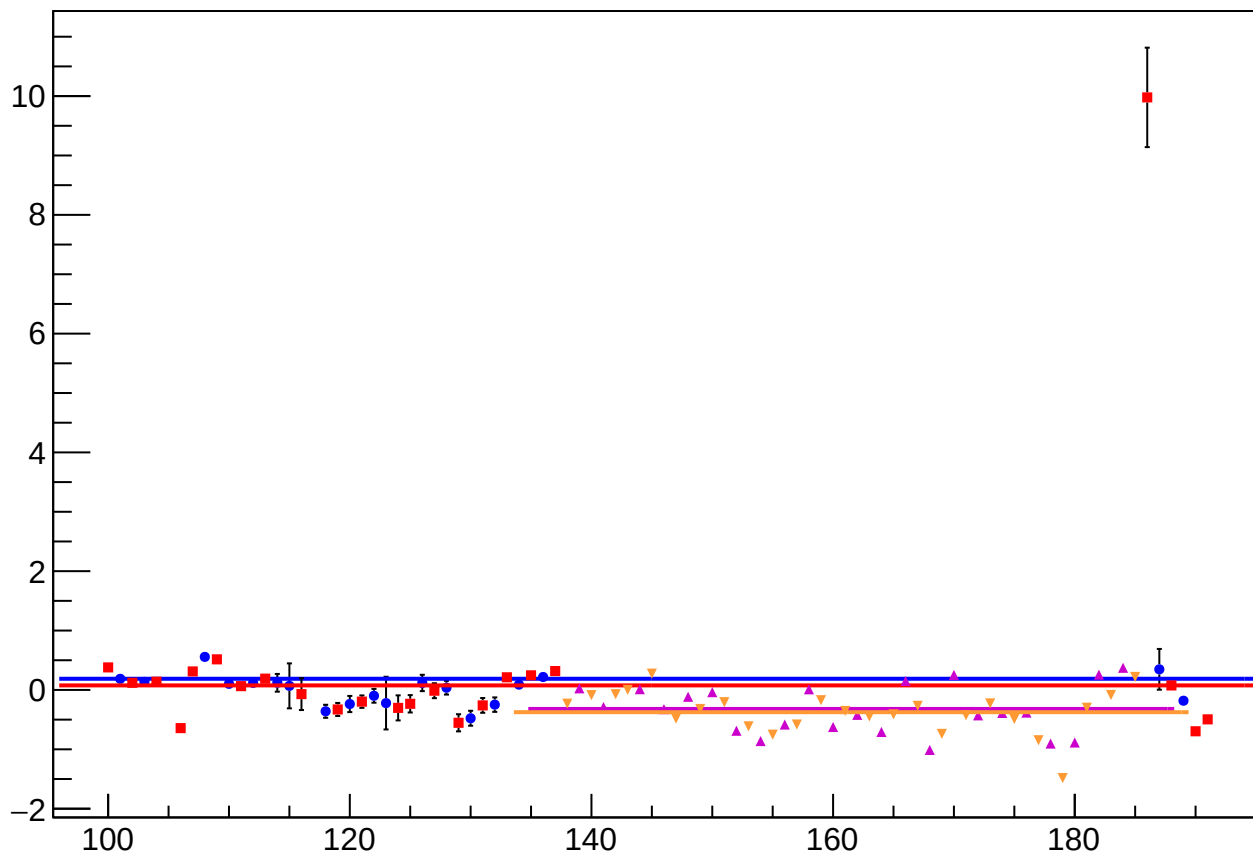
Right: 45.780 $\pm$ 0.205 χ^2 /NDF: 54692.9/41

In: 75.185 $\pm$ 0.157 χ^2 /NDF:39846.3/41

Out: 75.129 $\pm$ 0.151 χ^2 /NDF:45693.7/47

All: 75.156 $\pm$ 0.109 χ^2 /NDF: 85540.1/89

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.188 ± 0.014 χ^2/NDF : 243.5/18

Left Out: -0.375 ± 0.008 χ^2/NDF : 1657.5/24

Right Out: 0.076 ± 0.012 χ^2/NDF : 821.8/22

Left In: -0.320 ± 0.008 χ^2/NDF : 2325.0/22

Left: -0.348 ± 0.006 χ^2/NDF : 4005.2/47

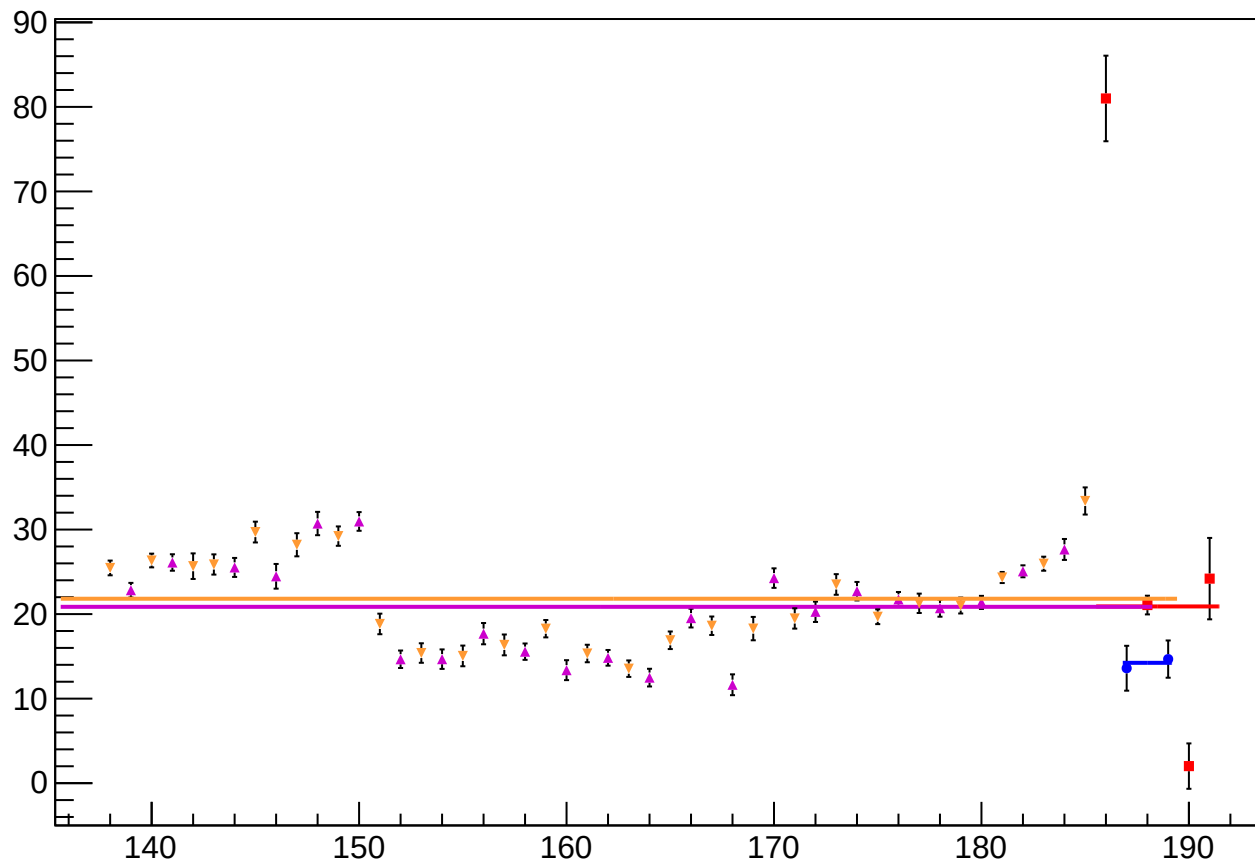
Right: 0.126 ± 0.009 χ^2/NDF : 1101.8/41

In: -0.188 ± 0.007 χ^2/NDF : 3576.1/41

Out: -0.238 ± 0.007 χ^2/NDF : 3411.2/47

All: -0.214 ± 0.005 χ^2/NDF : 7013.3/89

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 14.236 $\pm$ 1.695 χ^2 /NDF: 0.1/1

Left Out: 21.818 $\pm$ 0.210 χ^2 /NDF:522.7/24

Right Out: 20.906 $\pm$ 0.982 χ^2 /NDF: 190.9/3

Left In: 20.860 $\pm$ 0.216 χ^2 /NDF:575.5/22

Left: 21.351 $\pm$ 0.151 χ^2 /NDF: 1108.3/47

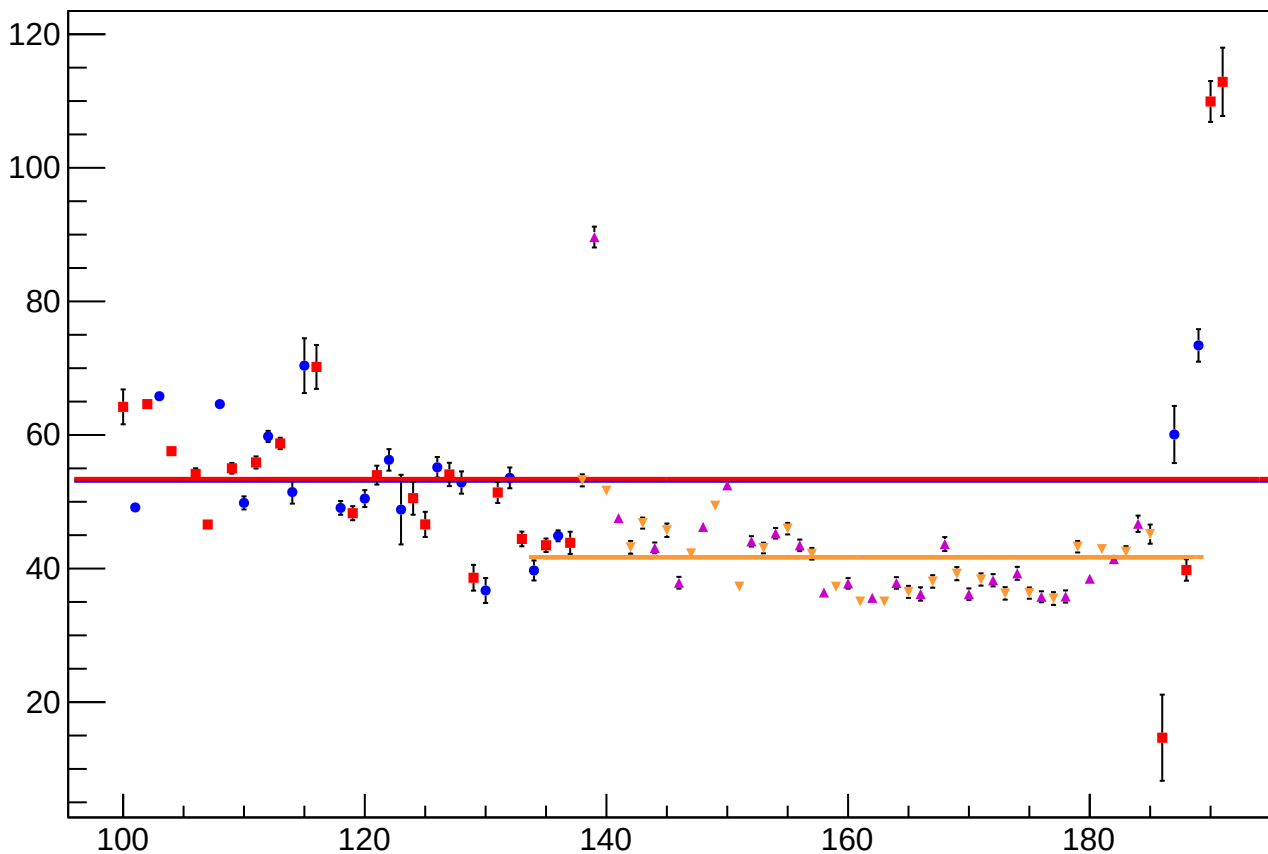
Right: 19.230 $\pm$ 0.850 χ^2 /NDF: 202.6/5

In: 20.755 $\pm$ 0.214 χ^2 /NDF:590.7/24

Out: 21.778 $\pm$ 0.206 χ^2 /NDF:714.4/28

All: 21.287 $\pm$ 0.148 χ^2 /NDF: 1317.0/53

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 53.149 $\pm$ 0.209 χ^2 /NDF: 1270.4/18

Left Out: 41.732 $\pm$ 0.166 χ^2 /NDF:1014.0/24

Right Out: 53.435 $\pm$ 0.224 χ^2 /NDF: 1456.8/22

Left In: 41.682 $\pm$ 0.173 χ^2 /NDF:1715.9/22

Left: 41.709 $\pm$ 0.120 χ^2 /NDF: 2729.9/47

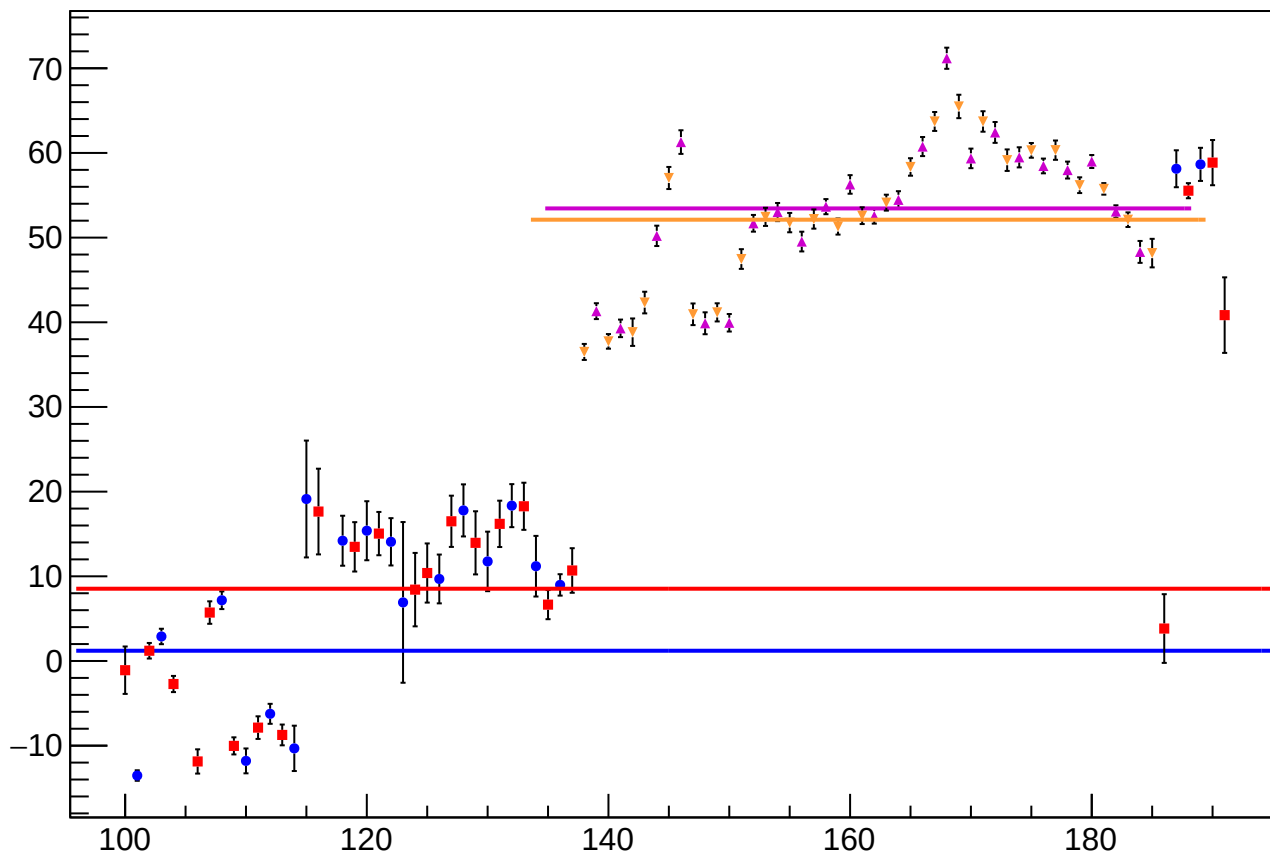
Right: 53.283 $\pm$ 0.153 χ^2 /NDF: 2728.1/41

In: 46.354 $\pm$ 0.133 χ^2 /NDF:4767.8/41

Out: 45.888 $\pm$ 0.133 χ^2 /NDF:4238.6/47

All: 46.121 $\pm$ 0.094 χ^2 /NDF: 9012.5/89

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.210 ± 0.353 χ^2/NDF : 2480.6/18

Left Out: 52.116 ± 0.210 χ^2/NDF : 1445.4/24

Right Out: 8.535 ± 0.342 χ^2/NDF : 4333.1/22

Left In: 53.447 ± 0.214 χ^2/NDF : 1167.6/22

Left: 52.769 ± 0.150 χ^2/NDF : 2632.6/47

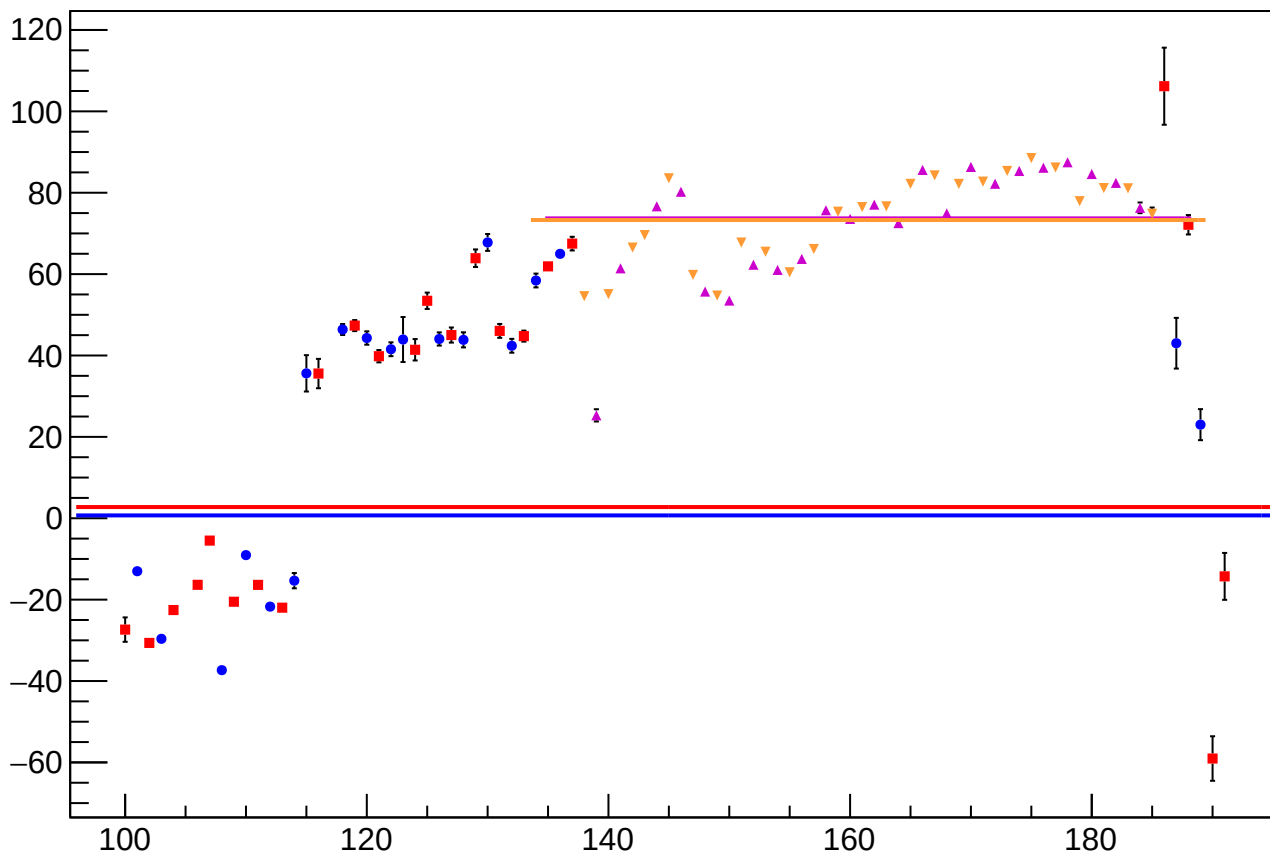
Right: 4.987 ± 0.246 χ^2/NDF : 7035.7/41

In: 39.366 ± 0.183 χ^2/NDF : 19646.5/41

Out: 40.151 ± 0.179 χ^2/NDF : 17552.6/47

All: 39.767 ± 0.128 χ^2/NDF : 37208.5/89

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.701+/-0.246 χ^2/NDF : 18504.5/18

Left Out: 73.294+/-0.187 χ^2/NDF : 3148.2/24

Right Out: 2.757+/-0.264 χ^2/NDF : 16588.5/22

Left In: 73.699+/-0.194 χ^2/NDF : 3901.1/22

Left: 73.489+/-0.135 χ^2/NDF : 7051.6/47

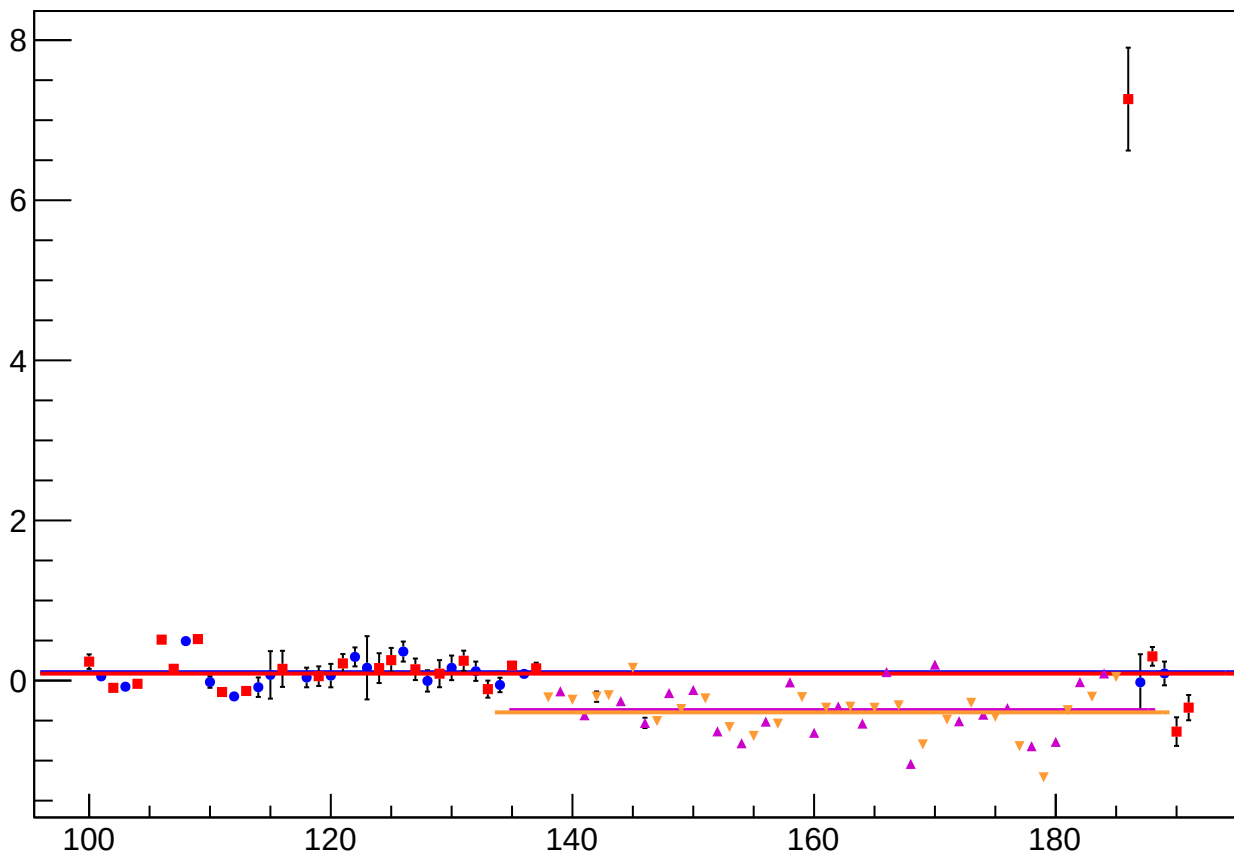
Right: 1.656+/-0.180 χ^2/NDF : 35125.4/41

In: 45.733+/-0.152 χ^2/NDF : 76726.7/41

Out: 49.690+/-0.153 χ^2/NDF : 67173.5/47

All: 47.705+/-0.108 χ^2/NDF : 144236.7/89

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105+/-0.011 χ^2/NDF : 400.9/18

Left Out: -0.397+/-0.009 χ^2/NDF : 943.5/24

Right Out: 0.087+/-0.011 χ^2/NDF : 542.8/22

Left In: -0.369+/-0.009 χ^2/NDF : 1322.7/22

Left: -0.383+/-0.006 χ^2/NDF : 2271.6/47

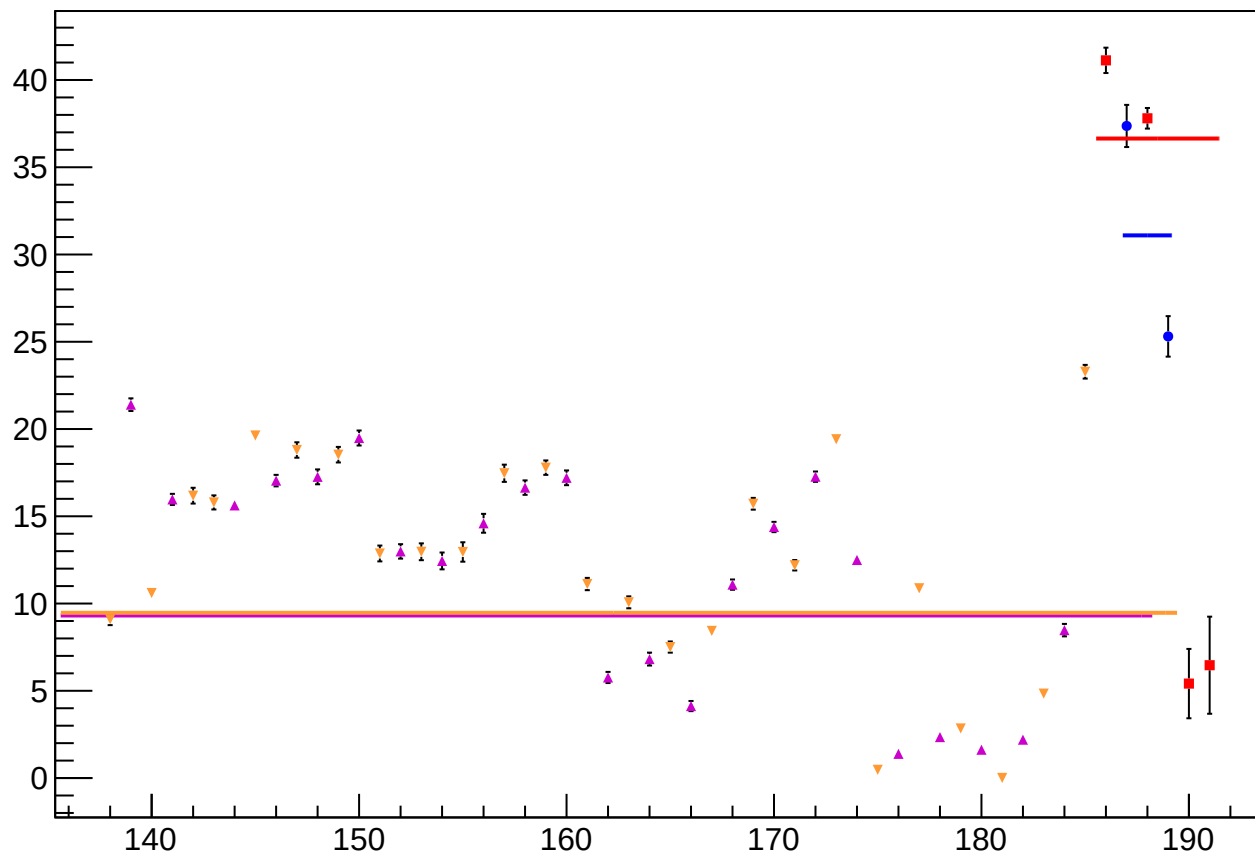
Right: 0.096+/-0.008 χ^2/NDF : 944.9/41

In: -0.188+/-0.007 χ^2/NDF : 2868.2/41

Out: -0.213+/-0.007 χ^2/NDF : 2705.0/47

All: -0.200+/-0.005 χ^2/NDF : 5579.9/89

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 31.096 $\pm$ 0.837 χ^2 /NDF: 51.8/1

Left Out: 9.470 $\pm$ 0.061 χ^2 /NDF:12578.0/24

Right Out: 36.645 $\pm$ 0.441 χ^2 /NDF: 406.6/3

Left In: 9.315 $\pm$ 0.063 χ^2 /NDF:11007.3/22

Left: 9.394 $\pm$ 0.044 χ^2 /NDF: 23588.5/47

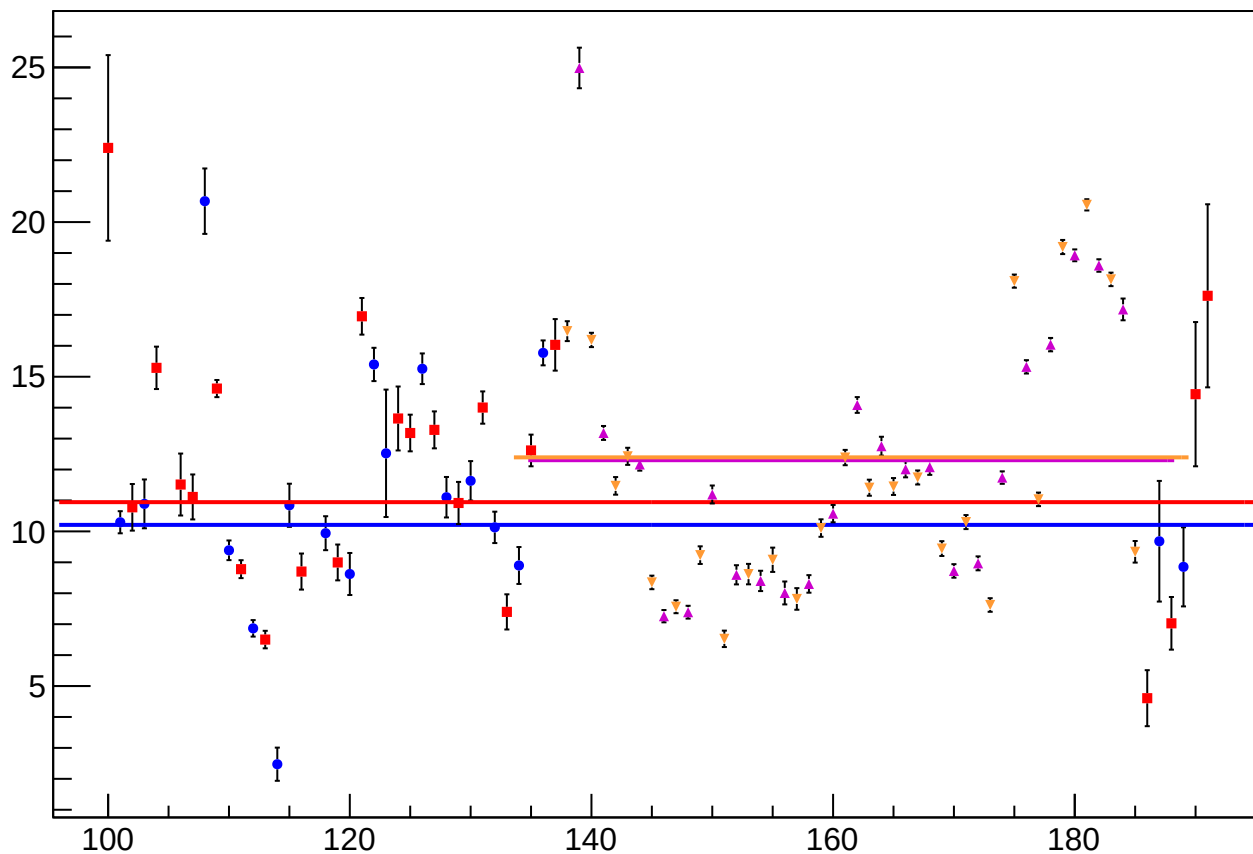
Right: 35.439 $\pm$ 0.390 χ^2 /NDF: 492.9/5

In: 9.437 $\pm$ 0.063 χ^2 /NDF:11732.6/24

Out: 9.985 $\pm$ 0.061 χ^2 /NDF:16708.1/28

All: 9.719 $\pm$ 0.044 χ^2 /NDF: 28480.2/53

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.210 $\pm$ 0.118 χ^2 /NDF: 878.8/18

Left Out: 12.393 $\pm$ 0.050 χ^2 /NDF: 7525.9/24

Right Out: 10.945 $\pm$ 0.114 χ^2 /NDF: 896.6/22

Left In: 12.302 $\pm$ 0.051 χ^2 /NDF: 5661.3/22

Left: 12.349 $\pm$ 0.036 χ^2 /NDF: 13188.8/47

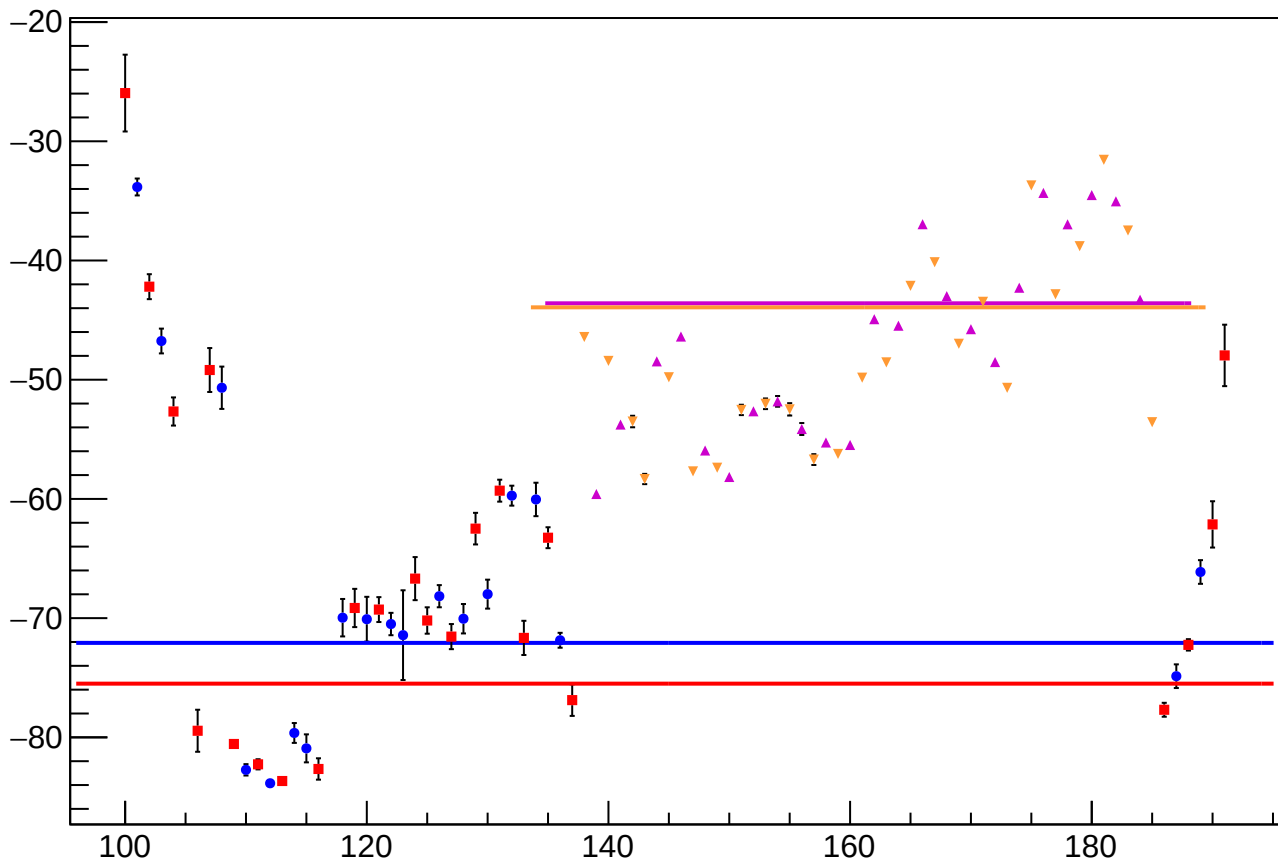
Right: 10.590 $\pm$ 0.082 χ^2 /NDF: 1795.3/41

In: 11.973 $\pm$ 0.047 χ^2 /NDF: 6804.0/41

Out: 12.162 $\pm$ 0.046 χ^2 /NDF: 8557.6/47

All: 12.070 $\pm$ 0.033 χ^2 /NDF: 15369.9/89

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.076 ± 0.190 χ^2/NDF : 5611.1/18

Left Out: -43.930 ± 0.062 χ^2/NDF : 17576.0/24

Right Out: -75.495 ± 0.162 χ^2/NDF : 3695.1/22

Left In: -43.591 ± 0.063 χ^2/NDF : 15574.9/22

Left: -43.763 ± 0.044 χ^2/NDF : 33165.5/47

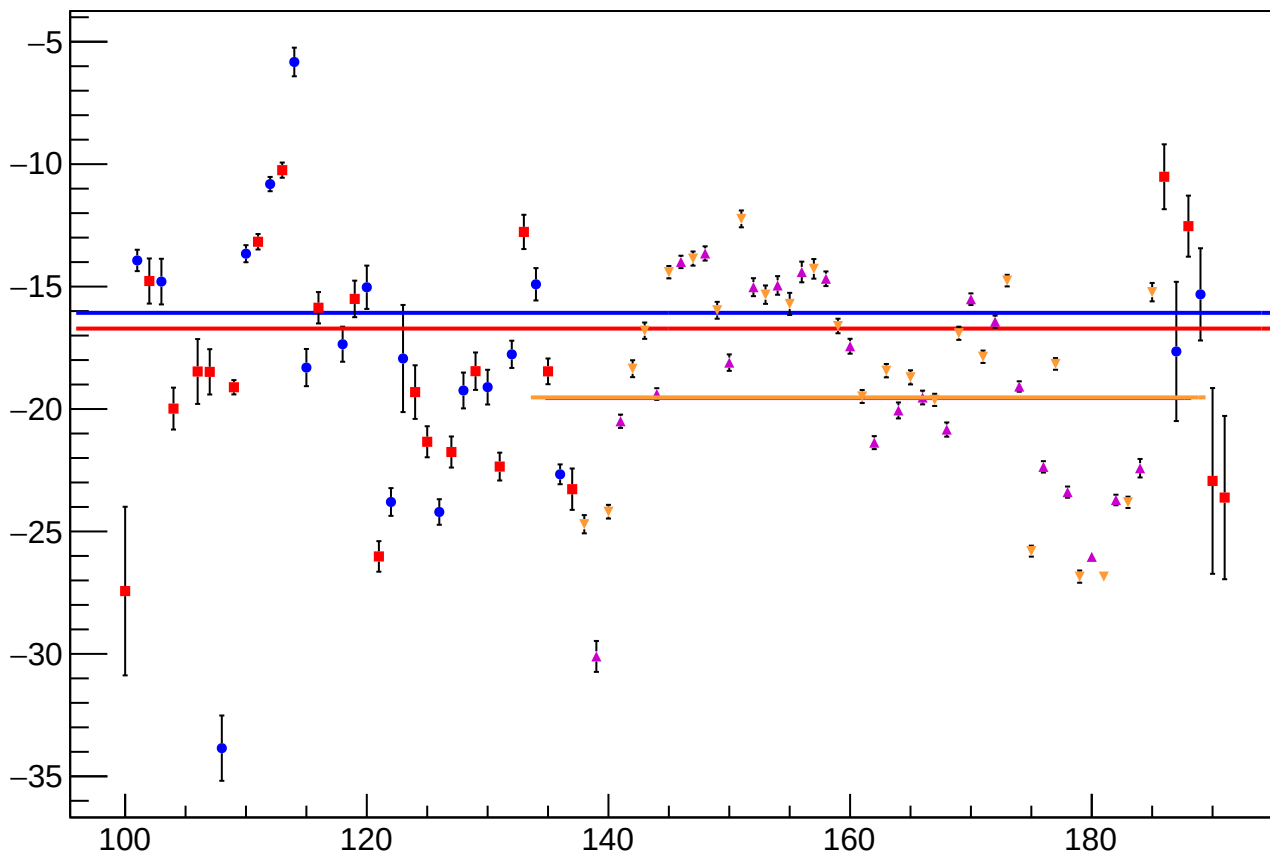
Right: -74.062 ± 0.123 χ^2/NDF : 9493.7/41

In: -46.411 ± 0.060 χ^2/NDF : 41374.6/41

Out: -47.981 ± 0.058 χ^2/NDF : 54510.0/47

All: -47.222 ± 0.042 χ^2/NDF : 96240.0/89

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.072 ± 0.132 χ^2/NDF : 1641.4/18

Left Out: -19.526 ± 0.056 χ^2/NDF : 6493.0/24

Right Out: -16.714 ± 0.127 χ^2/NDF : 1256.3/22

Left In: -19.552 ± 0.057 χ^2/NDF : 4359.1/22

Left: -19.539 ± 0.040 χ^2/NDF : 10852.2/47

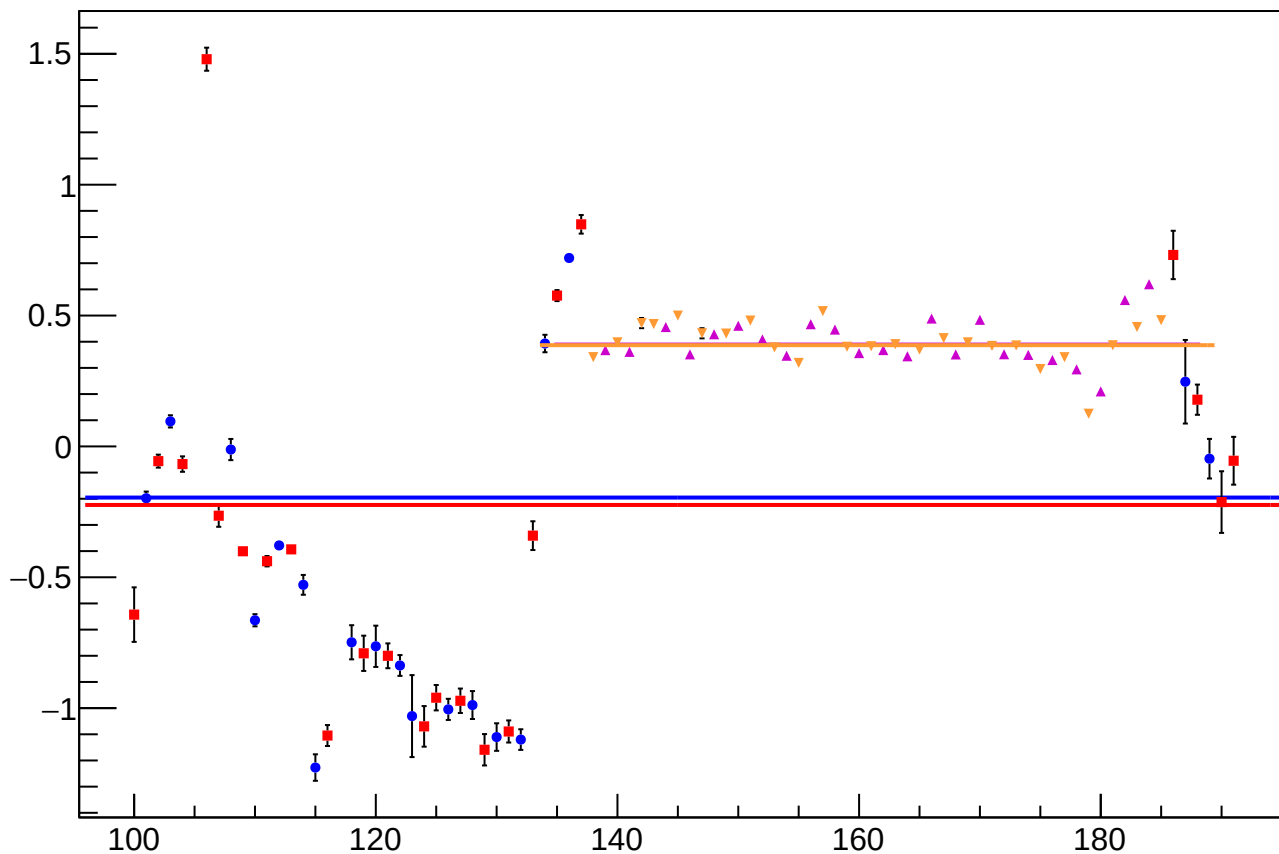
Right: -16.405 ± 0.091 χ^2/NDF : 2910.0/41

In: -19.001 ± 0.052 χ^2/NDF : 6588.6/41

Out: -19.068 ± 0.051 χ^2/NDF : 8161.5/47

All: -19.035 ± 0.037 χ^2/NDF : 14750.9/89

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.195 ± 0.007 χ^2/NDF : 6350.4/18

Left Out: 0.387 ± 0.003 χ^2/NDF : 989.2/24

Right Out: -0.224 ± 0.007 χ^2/NDF : 6384.0/22

Left In: 0.389 ± 0.003 χ^2/NDF : 1257.1/22

Left: 0.388 ± 0.002 χ^2/NDF : 2246.7/47

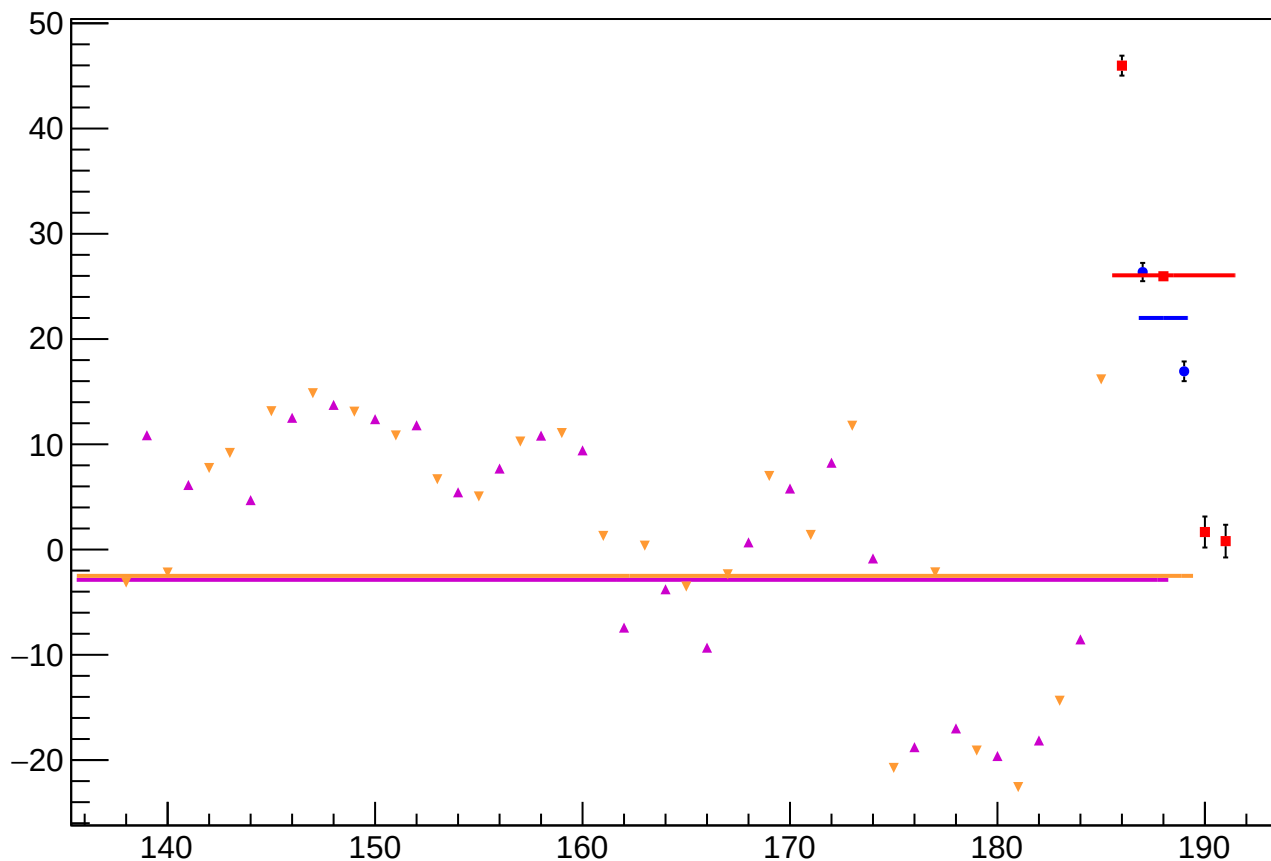
Right: -0.210 ± 0.005 χ^2/NDF : 12742.0/41

In: 0.326 ± 0.002 χ^2/NDF : 13037.9/41

Out: 0.316 ± 0.002 χ^2/NDF : 13977.8/47

All: 0.321 ± 0.002 χ^2/NDF : 27024.5/89

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 22.004 $\pm$ 0.636 χ^2 /NDF: 54.6/1

Left Out: -2.499 $\pm$ 0.053 χ^2 /NDF: 55930.9/24

Right Out: 26.054 $\pm$ 0.366 χ^2 /NDF: 980.6/3

Left In: -2.876 $\pm$ 0.055 χ^2 /NDF: 46380.9/22

Left: -2.681 $\pm$ 0.038 χ^2 /NDF: 102336.4/47

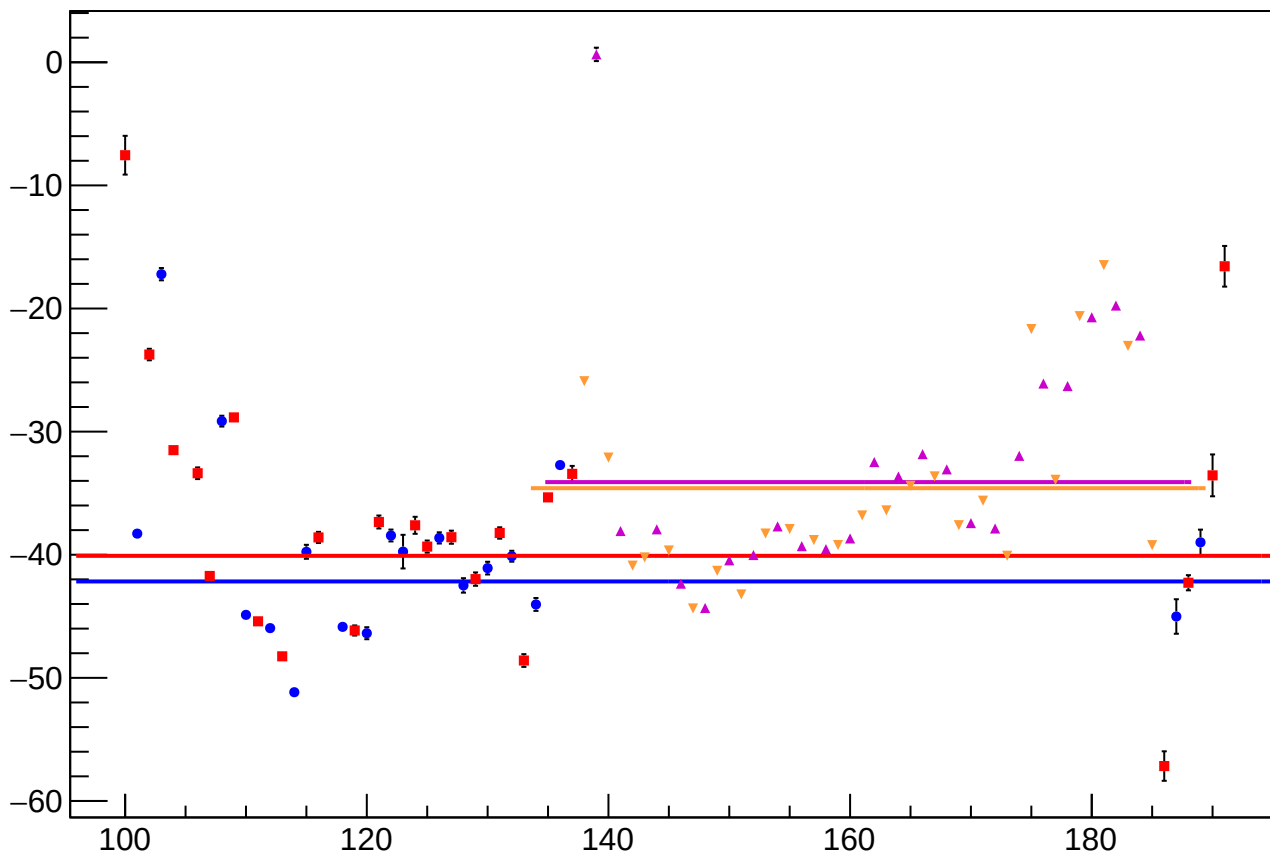
Right: 25.046 $\pm$ 0.317 χ^2 /NDF: 1065.6/5

In: -2.694 $\pm$ 0.054 χ^2 /NDF: 47953.1/24

Out: -1.914 $\pm$ 0.052 χ^2 /NDF: 62865.4/28

All: -2.289 $\pm$ 0.038 χ^2 /NDF: 110924.9/53

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.169 ± 0.077 $\chi^2/\text{NDF}: 6587.4/18$

Left Out: -34.594 ± 0.042 $\chi^2/\text{NDF}: 34404.6/24$

Right Out: -40.088 ± 0.072 $\chi^2/\text{NDF}: 11747.0/22$

Left In: -34.099 ± 0.044 $\chi^2/\text{NDF}: 29370.6/22$

Left: -34.358 ± 0.030 $\chi^2/\text{NDF}: 63841.7/47$

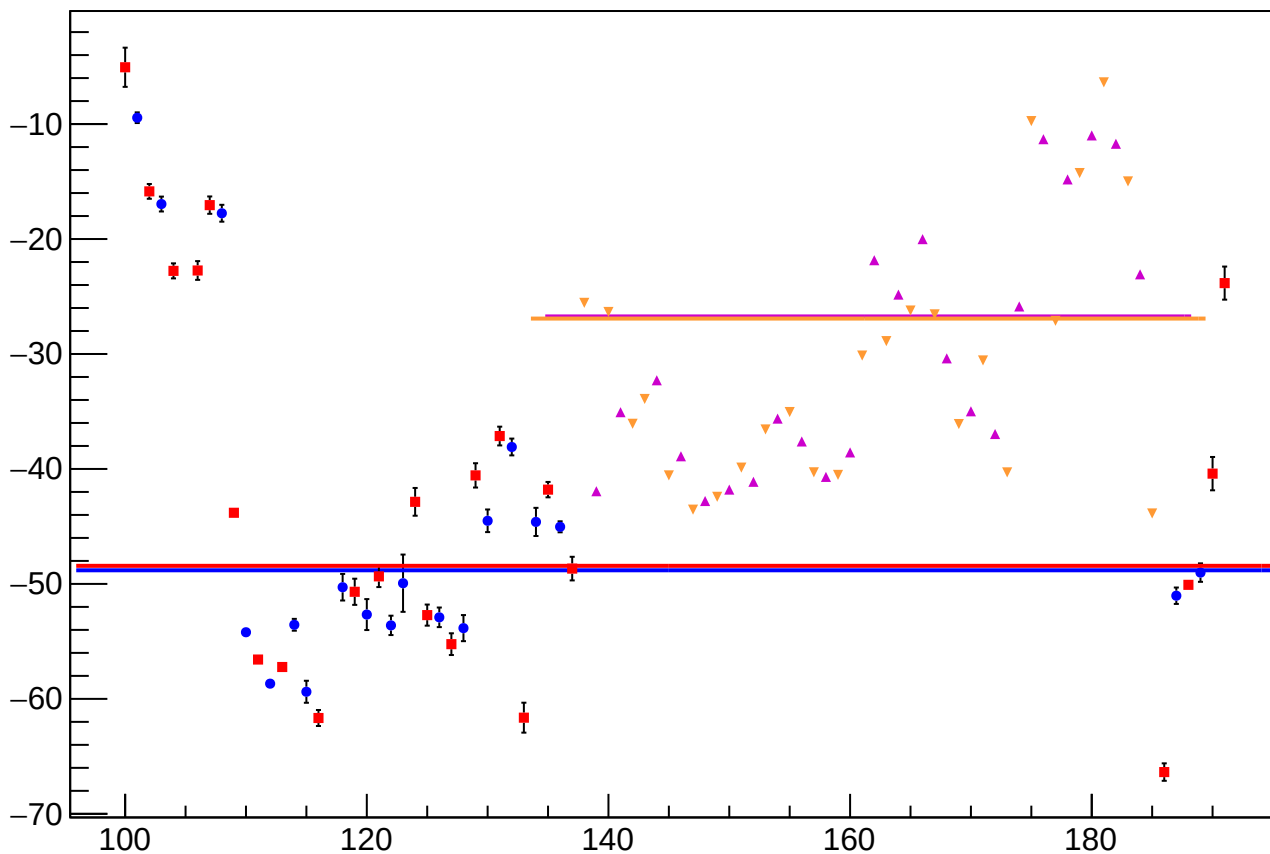
Right: -41.054 ± 0.053 $\chi^2/\text{NDF}: 18721.8/41$

In: -36.059 ± 0.038 $\chi^2/\text{NDF}: 44183.8/41$

Out: -35.986 ± 0.036 $\chi^2/\text{NDF}: 50496.6/47$

All: -36.021 ± 0.026 $\chi^2/\text{NDF}: 94682.3/89$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.815 ± 0.121 χ^2/NDF : 14668.5/18

Left Out: -26.920 ± 0.053 χ^2/NDF : 49198.9/24

Right Out: -48.427 ± 0.101 χ^2/NDF : 12645.1/22

Left In: -26.733 ± 0.055 χ^2/NDF : 42643.0/22

Left: -26.829 ± 0.038 χ^2/NDF : 91847.9/47

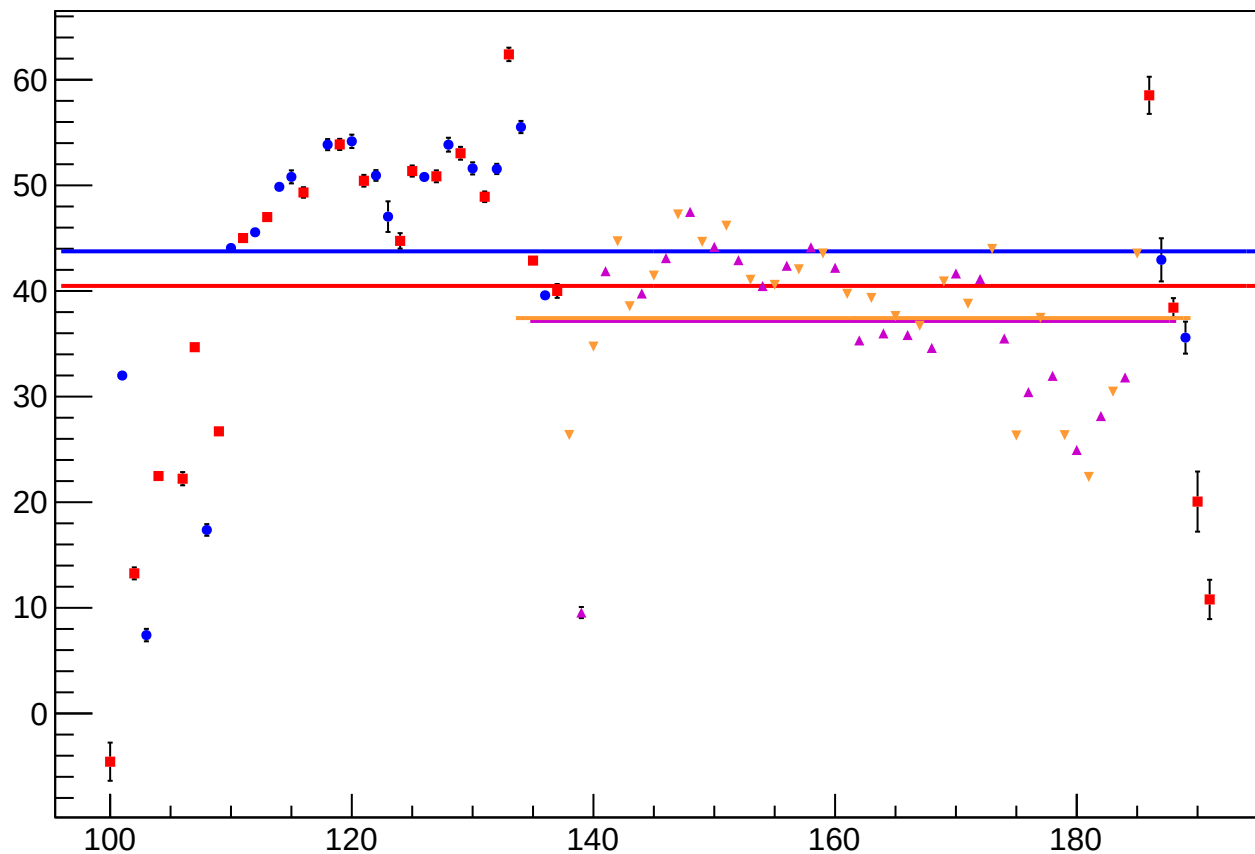
Right: -48.586 ± 0.078 χ^2/NDF : 27319.7/41

In: -30.474 ± 0.050 χ^2/NDF : 84895.4/41

Out: -31.610 ± 0.047 χ^2/NDF : 97305.9/47

All: -31.074 ± 0.034 χ^2/NDF : 182475.2/89

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.754 $\pm$ 0.086 χ^2 /NDF: 10668.1/18

Left Out: 37.435 $\pm$ 0.047 χ^2 /NDF:21517.4/24

Right Out: 40.481 $\pm$ 0.080 χ^2 /NDF: 17997.5/22

Left In: 37.164 $\pm$ 0.049 χ^2 /NDF:17427.3/22

Left: 37.305 $\pm$ 0.034 χ^2 /NDF: 38960.5/47

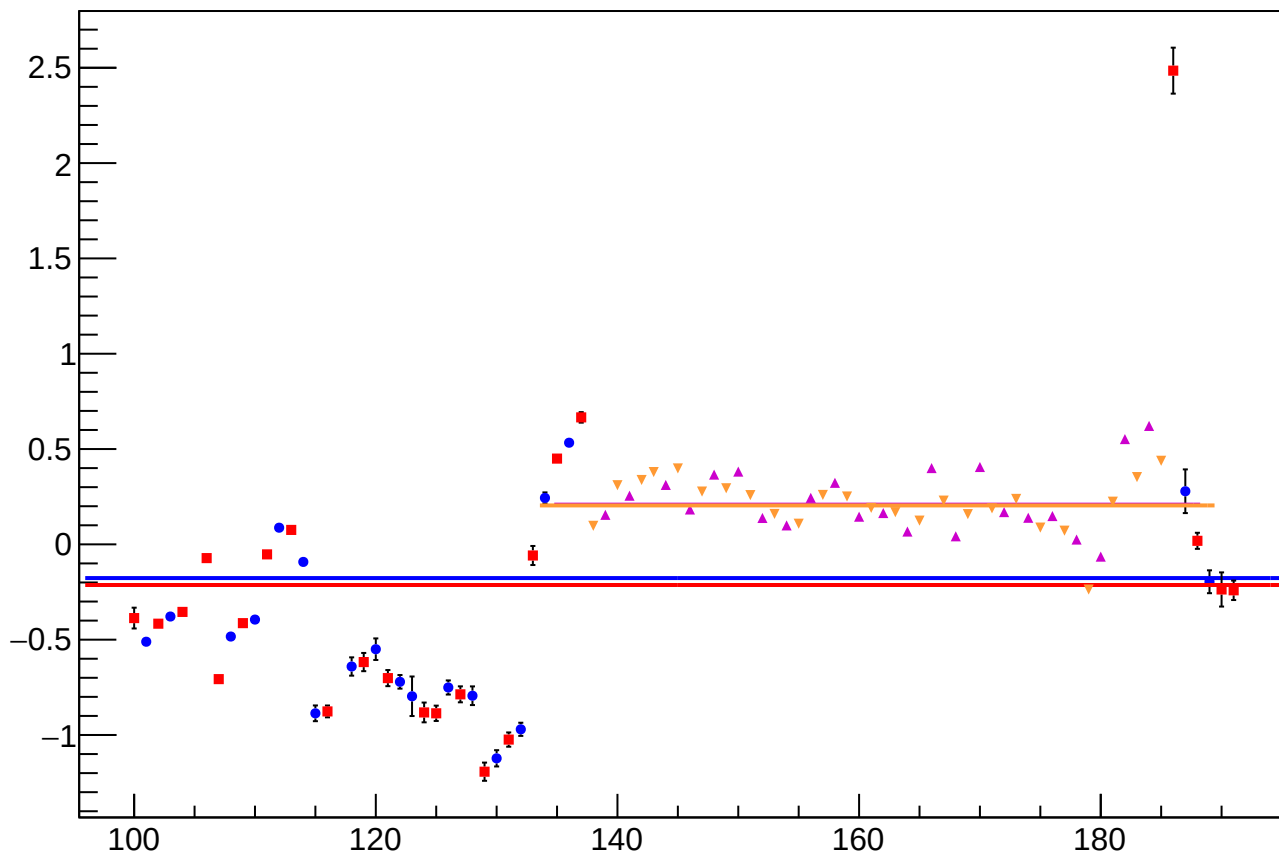
Right: 41.985 $\pm$ 0.059 χ^2 /NDF: 29441.2/41

In: 38.774 $\pm$ 0.043 χ^2 /NDF:32491.2/41

Out: 38.229 $\pm$ 0.041 χ^2 /NDF:40594.7/47

All: 38.488 $\pm$ 0.029 χ^2 /NDF: 73171.1/89

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7391.8/18

Left Out: 0.204 ± 0.002 χ^2/NDF : 3801.8/24

Right Out: -0.213 ± 0.004 χ^2/NDF : 8003.0/22

Left In: 0.208 ± 0.002 χ^2/NDF : 5095.2/22

Left: 0.206 ± 0.002 χ^2/NDF : 8898.7/47

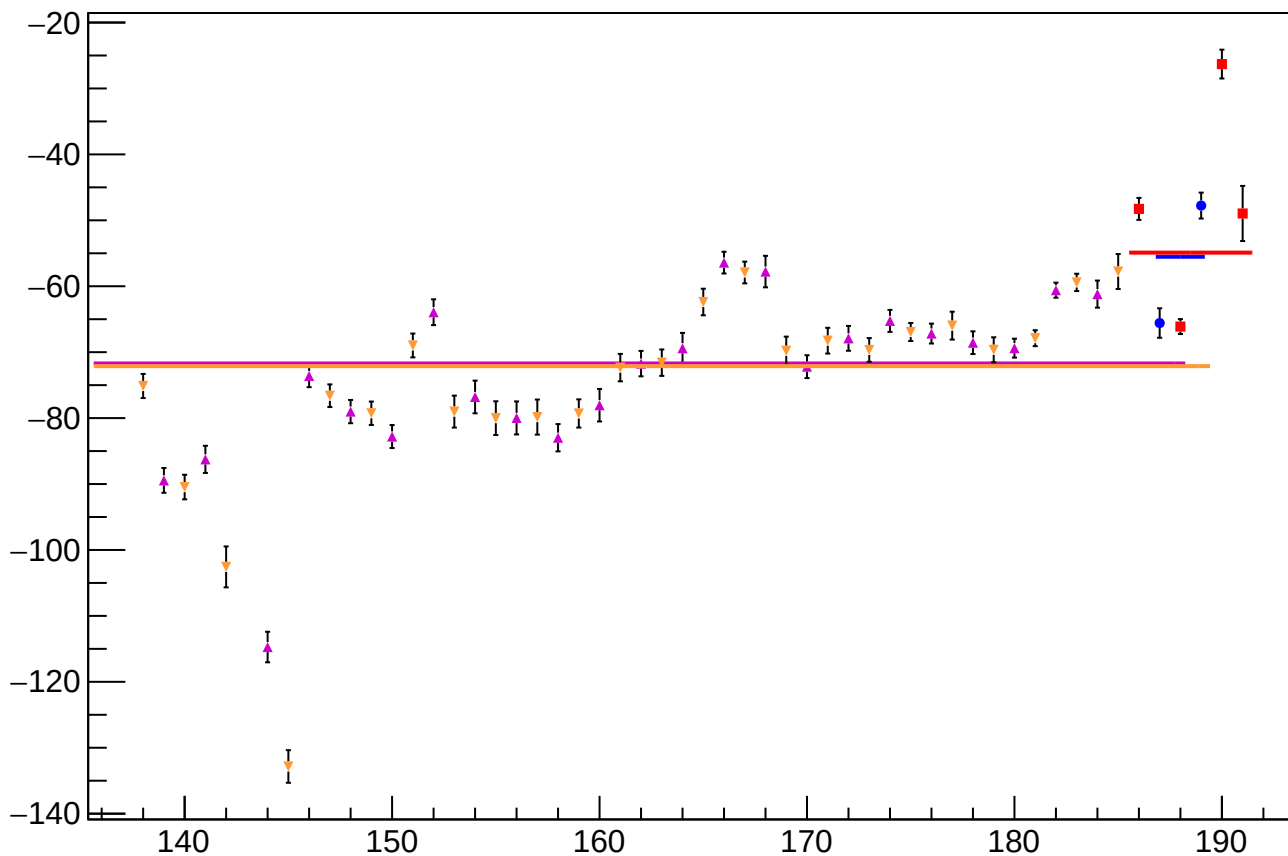
Right: -0.197 ± 0.003 χ^2/NDF : 15426.7/41

In: 0.140 ± 0.002 χ^2/NDF : 17748.6/41

Out: 0.117 ± 0.002 χ^2/NDF : 19427.0/47

All: 0.128 ± 0.001 χ^2/NDF : 37239.7/89

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected

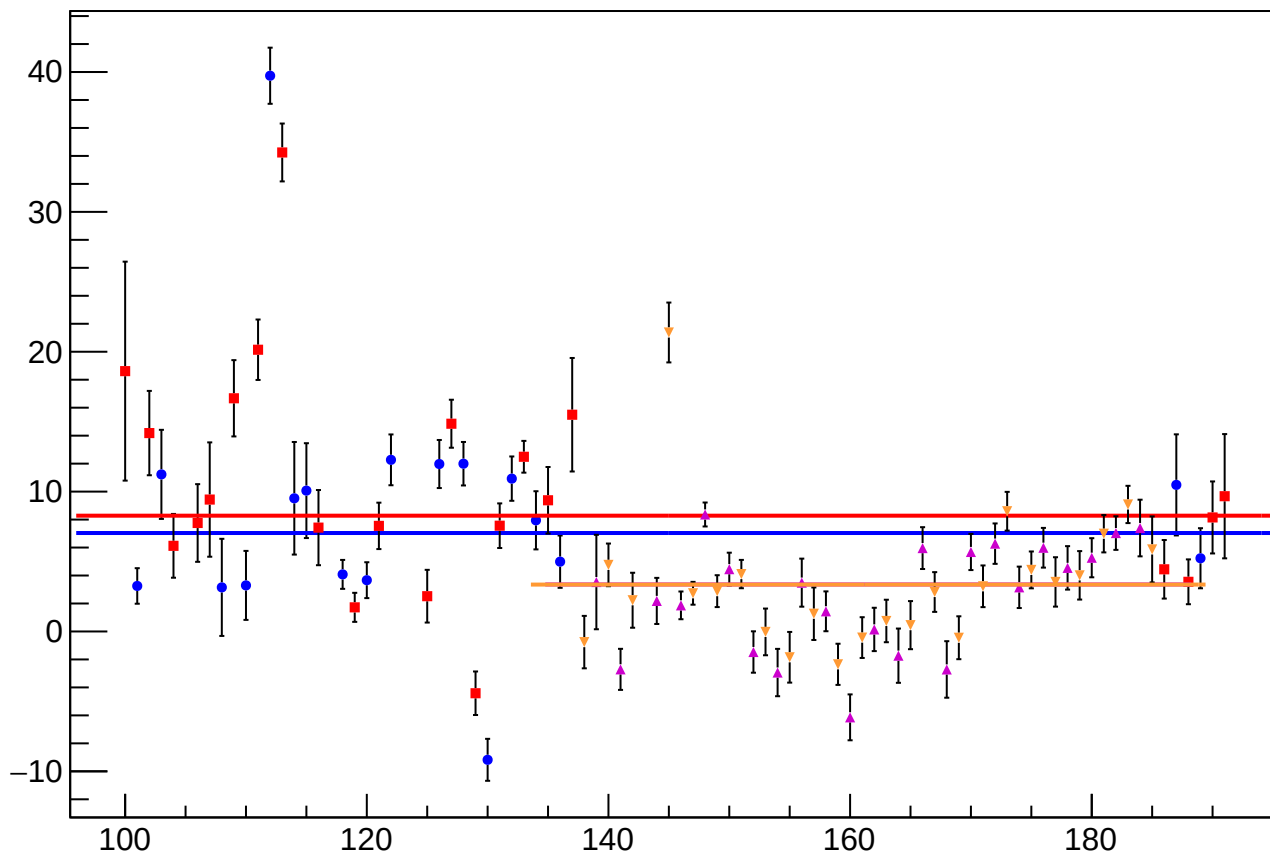


Right In: -55.522 $\pm$ 1.478 χ^2 /NDF: 35.7/1
 Left Out: -72.115 $\pm$ 0.383 χ^2 /NDF:1125.2/23
 Right Out: -54.897 $\pm$ 0.844 χ^2 /NDF: 286.8/3
 Left In: -71.713 $\pm$ 0.380 χ^2 /NDF:884.6/22

Left: -71.913 $\pm$ 0.270 χ^2 /NDF: 2010.3/46
 Right: -55.051 $\pm$ 0.733 χ^2 /NDF: 322.6/5
 In: -70.707 $\pm$ 0.368 χ^2 /NDF:1033.0/24
 Out: -69.179 $\pm$ 0.349 χ^2 /NDF:1757.0/27

All: -69.901 $\pm$ 0.253 χ^2 /NDF: 2799.1/52

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.039 ± 0.422 $\chi^2/\text{NDF}: 448.5/17$

Left Out: 3.353 ± 0.295 $\chi^2/\text{NDF}: 167.8/23$

Right Out: 8.279 ± 0.416 $\chi^2/\text{NDF}: 364.0/21$

Left In: 3.360 ± 0.298 $\chi^2/\text{NDF}: 164.5/22$

Left: 3.356 ± 0.209 $\chi^2/\text{NDF}: 332.3/46$

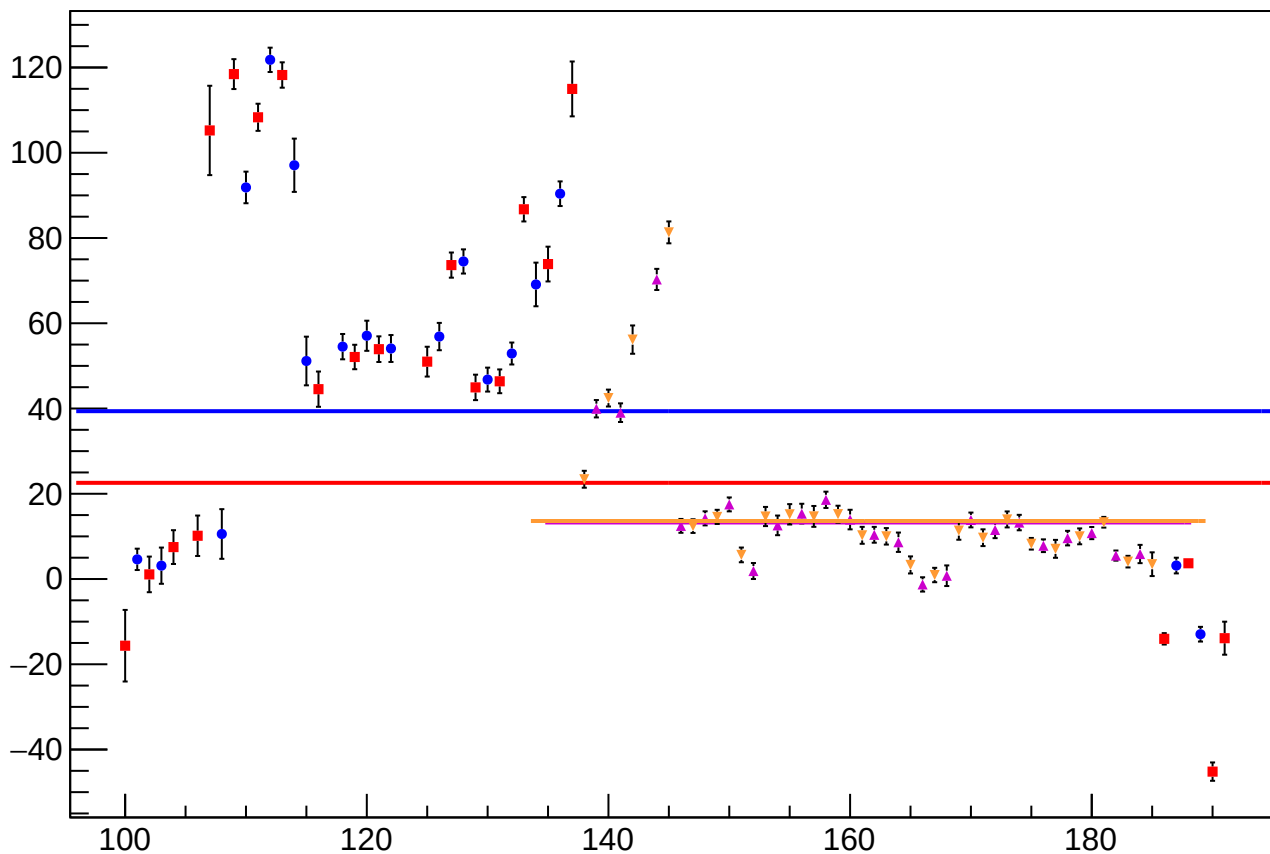
Right: 7.668 ± 0.296 $\chi^2/\text{NDF}: 816.8/39$

In: 4.582 ± 0.243 $\chi^2/\text{NDF}: 663.8/40$

Out: 4.998 ± 0.240 $\chi^2/\text{NDF}: 625.2/45$

All: 4.792 ± 0.171 $\chi^2/\text{NDF}: 1290.4/86$

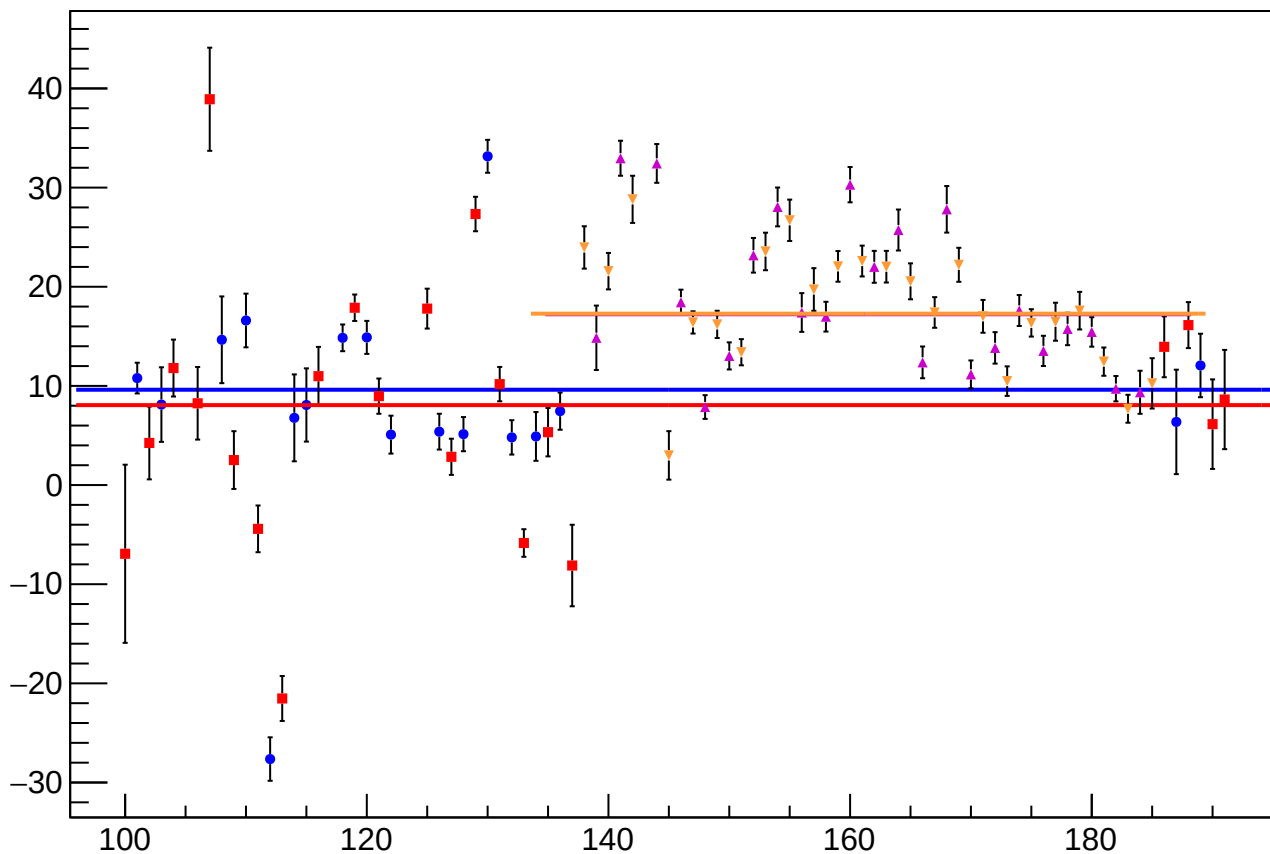
reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 39.374 $\pm$ 0.694 χ^2 /NDF: 3355.8/17
 Left Out: 13.610 $\pm$ 0.382 χ^2 /NDF:1303.3/23
 Right Out: 22.564 $\pm$ 0.539 χ^2 /NDF: 6494.3/21
 Left In: 13.262 $\pm$ 0.379 χ^2 /NDF:1077.0/22

Left: 13.434 $\pm$ 0.269 χ^2 /NDF: 2380.7/46
 Right: 28.894 $\pm$ 0.426 χ^2 /NDF: 10216.2/39
 In: 19.253 $\pm$ 0.332 χ^2 /NDF:5524.5/40
 Out: 16.600 $\pm$ 0.312 χ^2 /NDF:7981.4/45
 All: 17.841 $\pm$ 0.227 χ^2 /NDF: 13539.8/86

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.613 ± 0.493 $\chi^2/\text{NDF}: 555.4/17$

Left Out: 17.285 ± 0.337 $\chi^2/\text{NDF}: 244.0/23$

Right Out: 8.062 ± 0.491 $\chi^2/\text{NDF}: 586.9/21$

Left In: 17.224 ± 0.339 $\chi^2/\text{NDF}: 442.2/22$

Left: 17.255 ± 0.239 $\chi^2/\text{NDF}: 686.2/46$

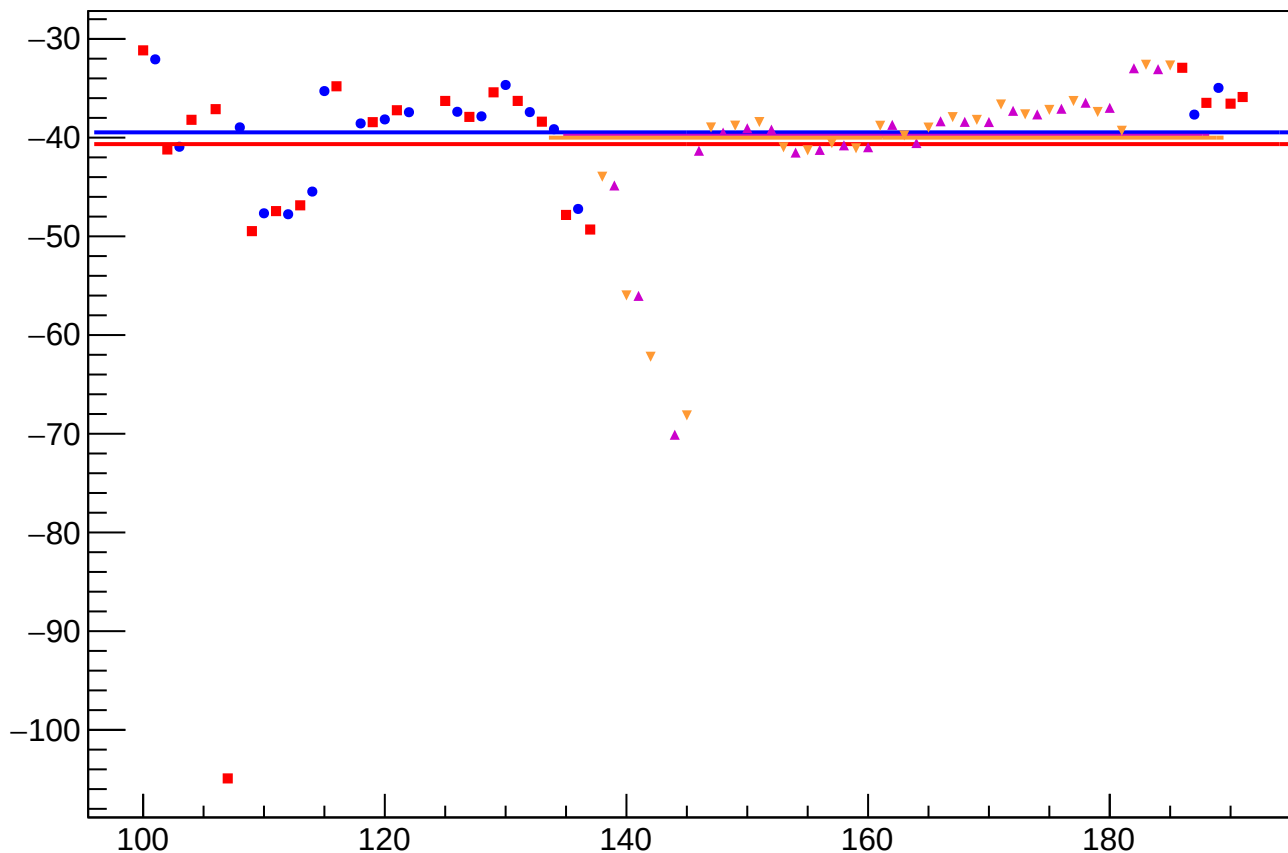
Right: 8.835 ± 0.348 $\chi^2/\text{NDF}: 1147.3/39$

In: 14.785 ± 0.279 $\chi^2/\text{NDF}: 1159.6/40$

Out: 14.335 ± 0.278 $\chi^2/\text{NDF}: 1070.5/45$

All: 14.559 ± 0.197 $\chi^2/\text{NDF}: 2231.4/86$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.465 $\pm$ 0.030 χ^2 /NDF: 27659.5/17

Left Out: -40.002 $\pm$ 0.016 χ^2 /NDF:172150.1/23

Right Out: -40.656 $\pm$ 0.028 χ^2 /NDF: 100496.3/21

Left In: -39.813 $\pm$ 0.016 χ^2 /NDF:145790.5/22

Left: -39.906 $\pm$ 0.011 χ^2 /NDF: 318013.1/46

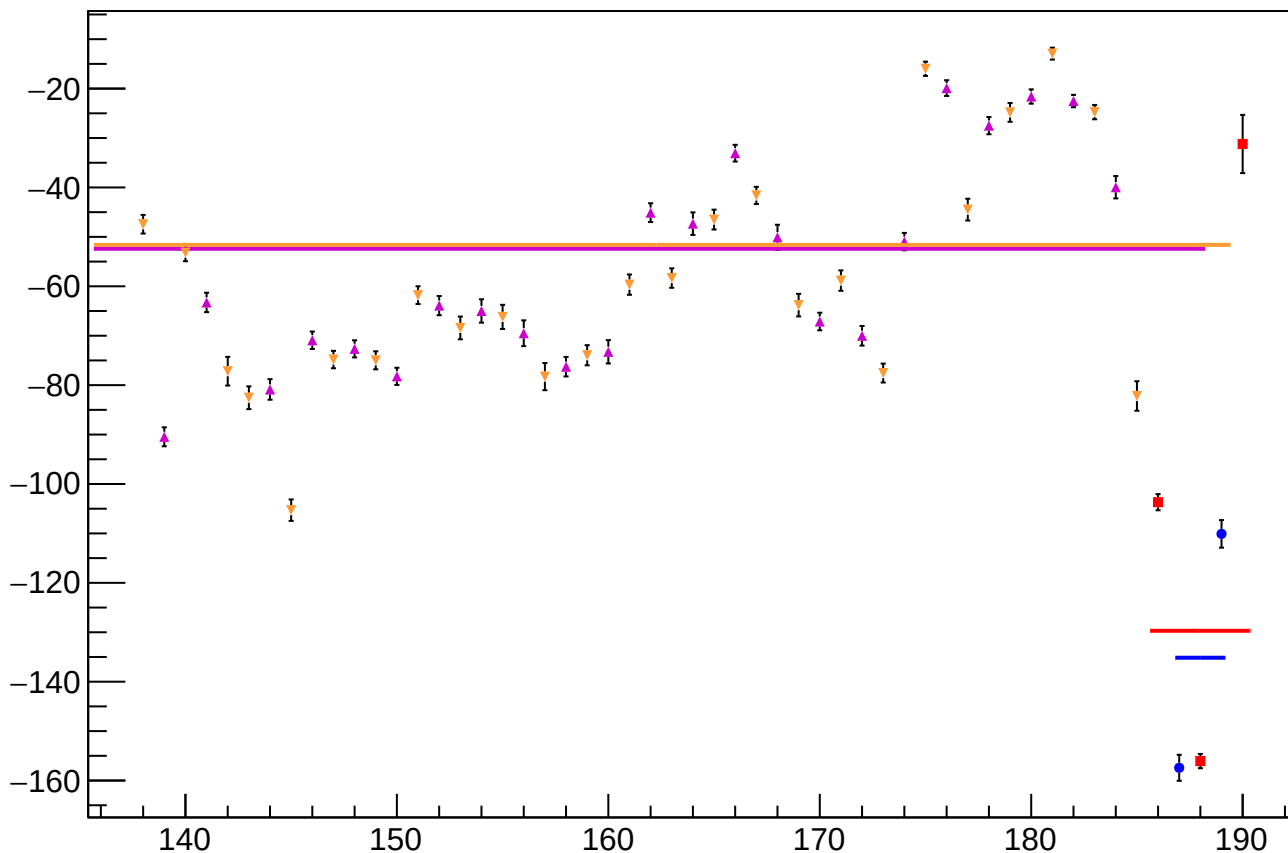
Right: -40.094 $\pm$ 0.021 χ^2 /NDF: 128991.1/39

In: -39.739 $\pm$ 0.014 χ^2 /NDF:173556.3/40

Out: -40.156 $\pm$ 0.014 χ^2 /NDF:273054.3/45

All: -39.949 $\pm$ 0.010 χ^2 /NDF: 447068.5/86

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -135.152 ± 1.915 $\chi^2/\text{NDF}: 152.2/1$

Left Out: -51.622 ± 0.383 $\chi^2/\text{NDF}: 4133.0/24$

Right Out: -129.699 ± 1.064 $\chi^2/\text{NDF}: 866.5/2$

Left In: -52.409 ± 0.387 $\chi^2/\text{NDF}: 3378.7/22$

Left: -52.012 ± 0.272 $\chi^2/\text{NDF}: 7513.8/47$

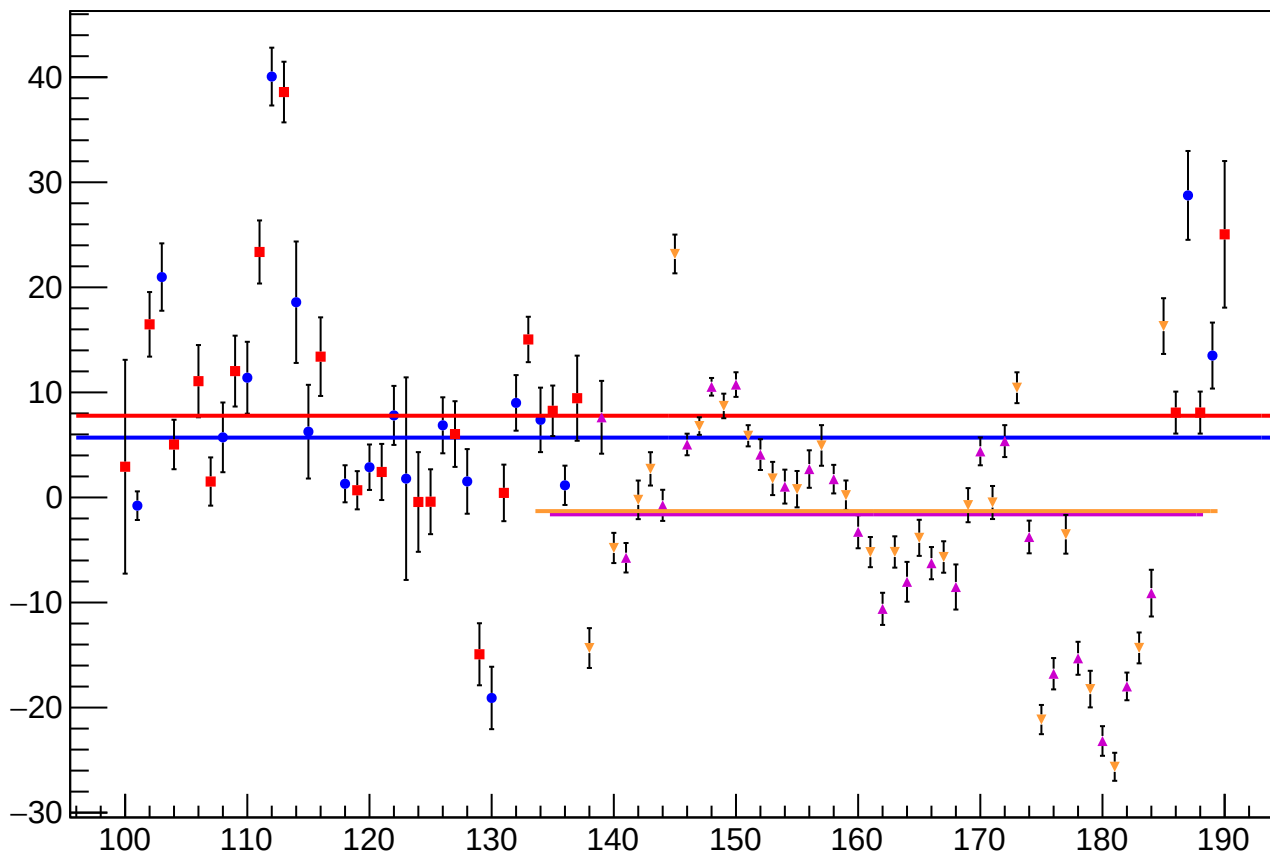
Right: -130.986 ± 0.930 $\chi^2/\text{NDF}: 1024.9/4$

In: -55.659 ± 0.380 $\chi^2/\text{NDF}: 5324.6/24$

Out: -60.595 ± 0.361 $\chi^2/\text{NDF}: 9763.7/27$

All: -58.252 ± 0.261 $\chi^2/\text{NDF}: 15177.1/52$

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected

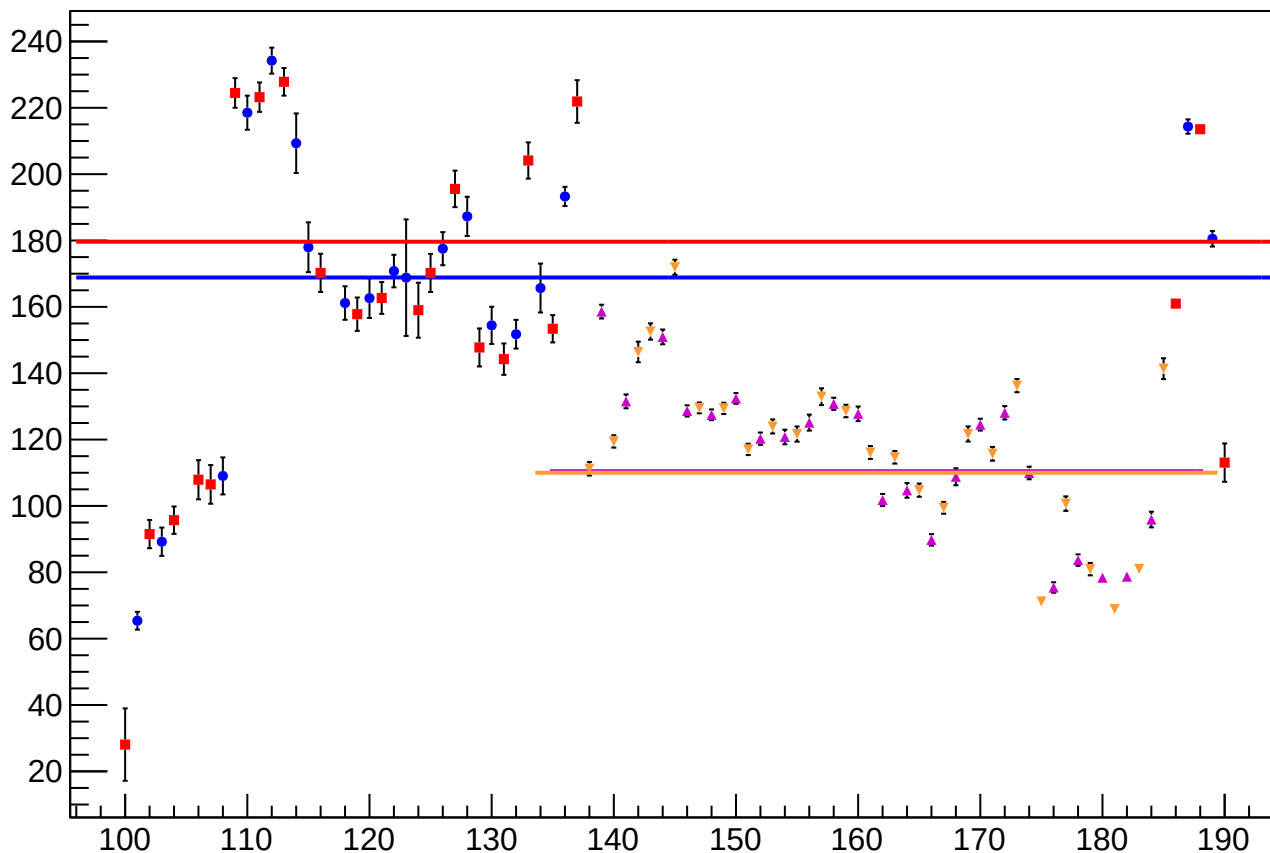


Right In: 5.696 ± 0.603 $\chi^2/\text{NDF}: 333.0/18$
 Left Out: -1.300 ± 0.293 $\chi^2/\text{NDF}: 1315.7/24$
 Right Out: 7.779 ± 0.590 $\chi^2/\text{NDF}: 276.5/21$
 Left In: -1.608 ± 0.299 $\chi^2/\text{NDF}: 1097.4/22$

Left: -1.450 ± 0.209 $\chi^2/\text{NDF}: 2413.6/47$
 Right: 6.761 ± 0.422 $\chi^2/\text{NDF}: 615.5/40$
 In: -0.163 ± 0.268 $\chi^2/\text{NDF}: 1548.0/41$
 Out: 0.493 ± 0.262 $\chi^2/\text{NDF}: 1782.5/46$

All: 0.173 ± 0.187 $\chi^2/\text{NDF}: 3333.5/88$

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 168.855 $\pm$ 0.929 χ^2/NDF : 2919.5/18

Left Out: 110.012 $\pm$ 0.383 χ^2/NDF :4537.0/24

Right Out: 179.637 $\pm$ 0.693 χ^2/NDF : 3105.4/21

Left In: 110.482 $\pm$ 0.385 χ^2/NDF :3824.9/22

Left: 110.246 $\pm$ 0.271 χ^2/NDF : 8362.7/47

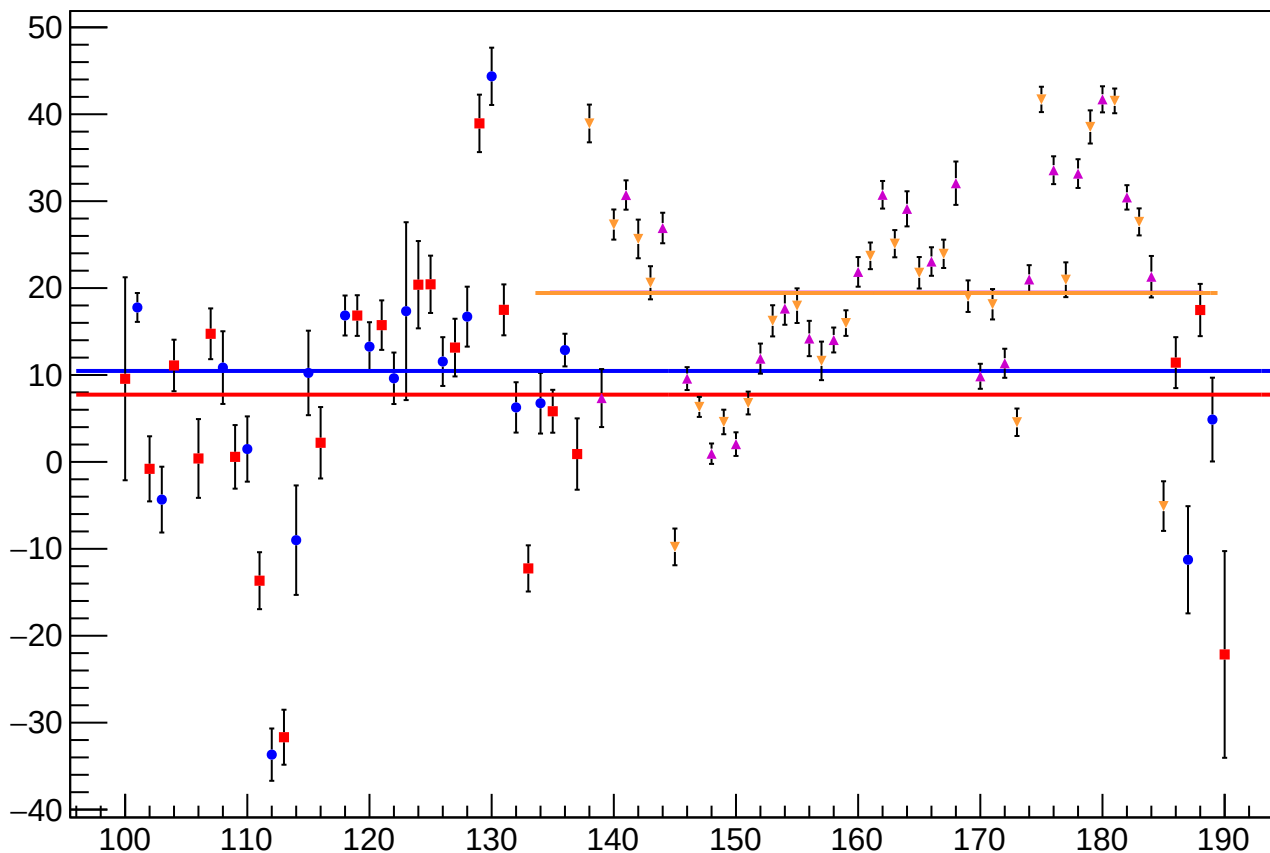
Right: 175.779 $\pm$ 0.555 χ^2/NDF : 6111.5/40

In: 119.034 $\pm$ 0.355 χ^2/NDF :10117.7/41

Out: 126.287 $\pm$ 0.335 χ^2/NDF :15376.4/46

All: 122.874 $\pm$ 0.244 χ^2/NDF : 25714.6/88

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.465 $\pm$ 0.701 χ^2 /NDF: 402.2/18

Left Out: 19.434 $\pm$ 0.336 χ^2 /NDF:1452.3/24

Right Out: 7.739 $\pm$ 0.703 χ^2 /NDF: 443.9/21

Left In: 19.472 $\pm$ 0.342 χ^2 /NDF:1188.2/22

Left: 19.453 $\pm$ 0.239 χ^2 /NDF: 2640.5/47

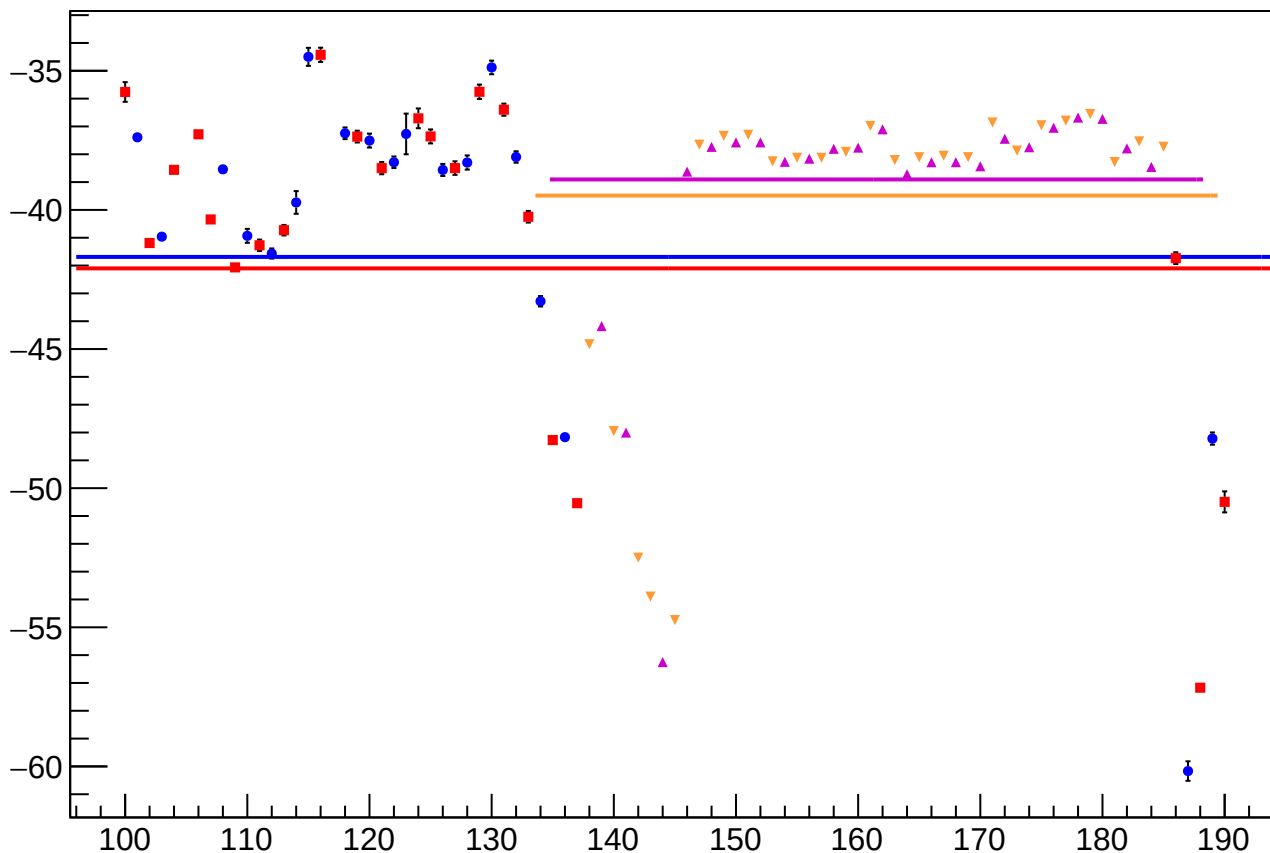
Right: 9.106 $\pm$ 0.497 χ^2 /NDF: 853.6/40

In: 17.744 $\pm$ 0.307 χ^2 /NDF:1723.7/41

Out: 17.266 $\pm$ 0.303 χ^2 /NDF:2121.4/46

All: 17.502 $\pm$ 0.216 χ^2 /NDF: 3846.3/88

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.689 ± 0.038 $\chi^2/\text{NDF}: 16357.4/18$

Left Out: -39.484 ± 0.016 $\chi^2/\text{NDF}: 88877.3/24$

Right Out: -42.101 ± 0.037 $\chi^2/\text{NDF}: 22244.8/21$

Left In: -38.905 ± 0.016 $\chi^2/\text{NDF}: 54282.7/22$

Left: -39.195 ± 0.011 $\chi^2/\text{NDF}: 143834.7/47$

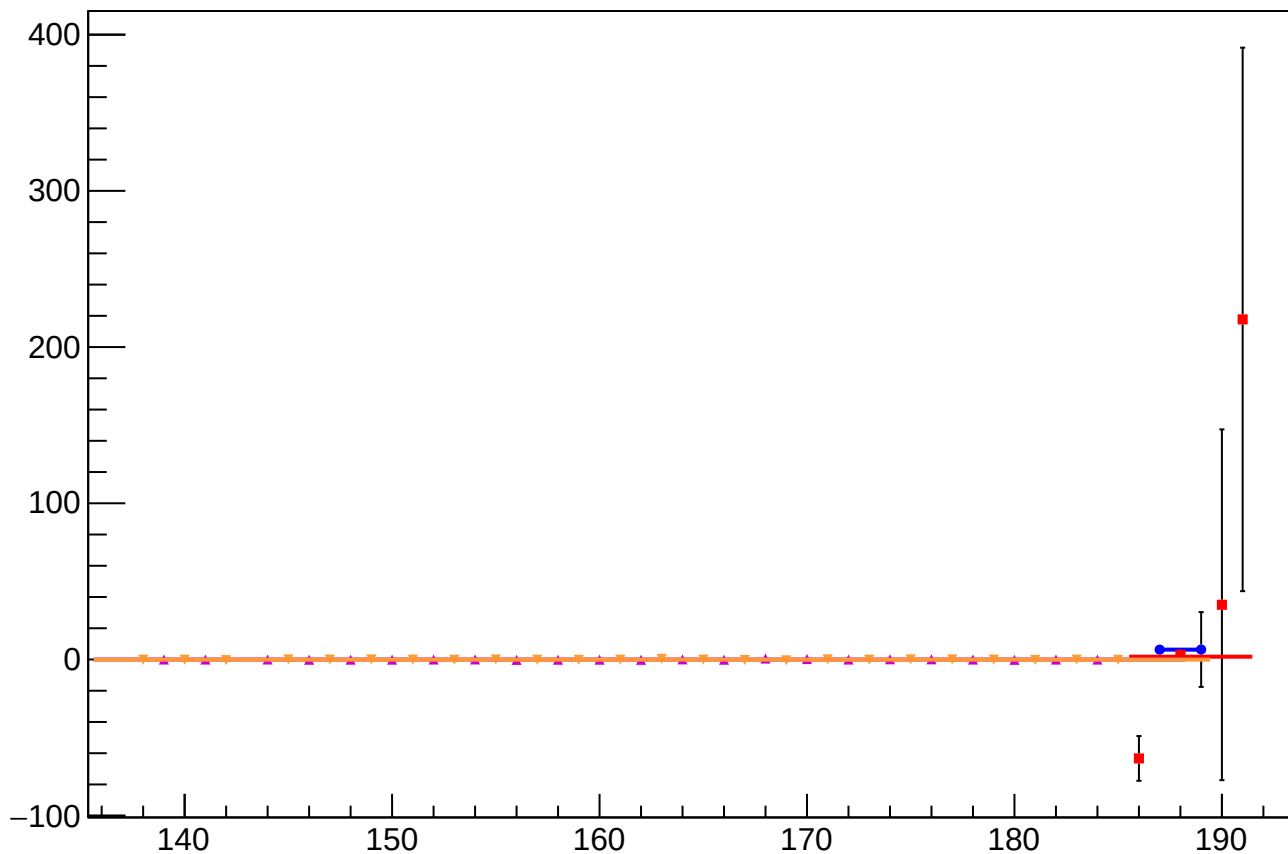
Right: -41.900 ± 0.026 $\chi^2/\text{NDF}: 38663.6/40$

In: -39.321 ± 0.015 $\chi^2/\text{NDF}: 75279.9/41$

Out: -39.891 ± 0.014 $\chi^2/\text{NDF}: 115398.8/46$

All: -39.607 ± 0.010 $\chi^2/\text{NDF}: 191447.3/88$

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.306+/-2.984 χ^2/NDF : 0.0/1

Left Out: -0.089+/-0.022 χ^2/NDF : 40.0/23

Right Out: 1.792+/-1.944 χ^2/NDF : 22.7/3

Left In: -0.026+/-0.022 χ^2/NDF : 32.3/22

Left: -0.057+/-0.016 χ^2/NDF : 76.4/46

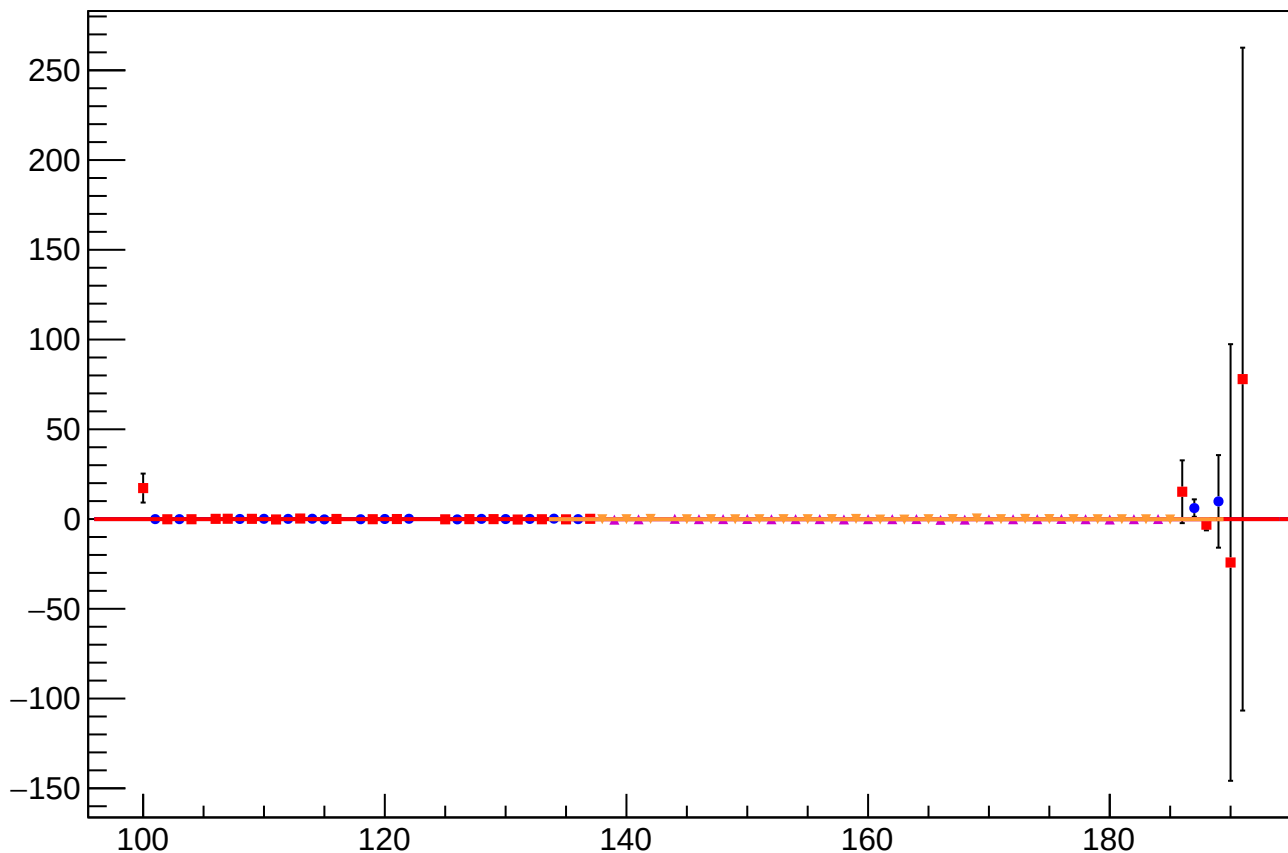
Right: 3.137+/-1.629 χ^2/NDF : 24.3/5

In: -0.025+/-0.022 χ^2/NDF : 36.8/24

Out: -0.089+/-0.022 χ^2/NDF : 63.6/27

All: -0.057+/-0.016 χ^2/NDF : 104.5/52

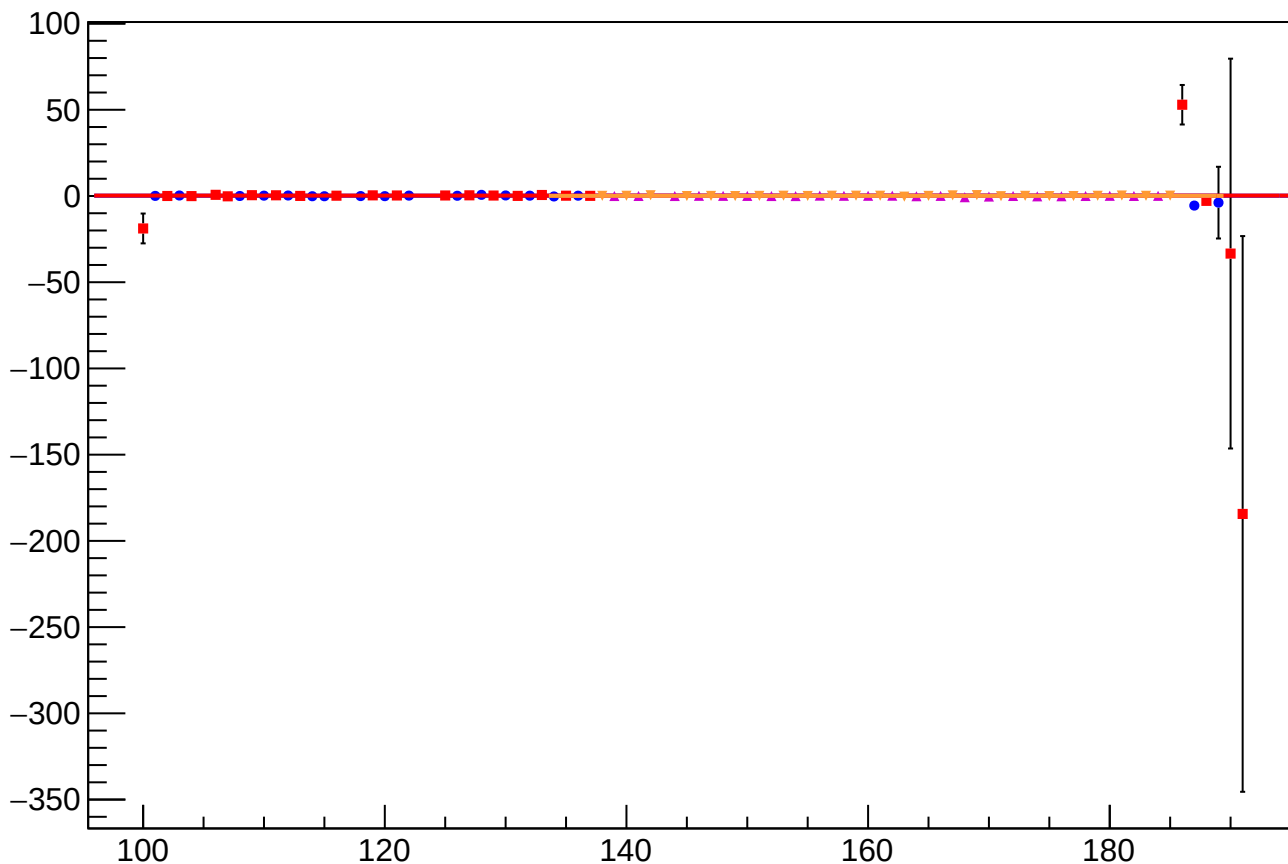
reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.002 ± 0.028 $\chi^2/\text{NDF}: 14.3/17$
 Left Out: -0.081 ± 0.017 $\chi^2/\text{NDF}: 25.8/23$
 Right Out: -0.051 ± 0.029 $\chi^2/\text{NDF}: 27.7/21$
 Left In: -0.055 ± 0.018 $\chi^2/\text{NDF}: 32.2/22$

Left: -0.068 ± 0.012 $\chi^2/\text{NDF}: 59.1/46$
 Right: -0.024 ± 0.020 $\chi^2/\text{NDF}: 43.7/39$
 In: -0.039 ± 0.015 $\chi^2/\text{NDF}: 49.4/40$
 Out: -0.073 ± 0.015 $\chi^2/\text{NDF}: 54.3/45$
 All: -0.056 ± 0.011 $\chi^2/\text{NDF}: 106.3/86$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.168 $\pm$ 0.052 χ^2 /NDF: 19.1/17

Left Out: 0.082 $\pm$ 0.022 χ^2 /NDF:38.7/23

Right Out: 0.237 $\pm$ 0.054 χ^2 /NDF: 48.0/21

Left In: 0.020 $\pm$ 0.022 χ^2 /NDF:34.5/22

Left: 0.051 $\pm$ 0.016 χ^2 /NDF: 77.1/46

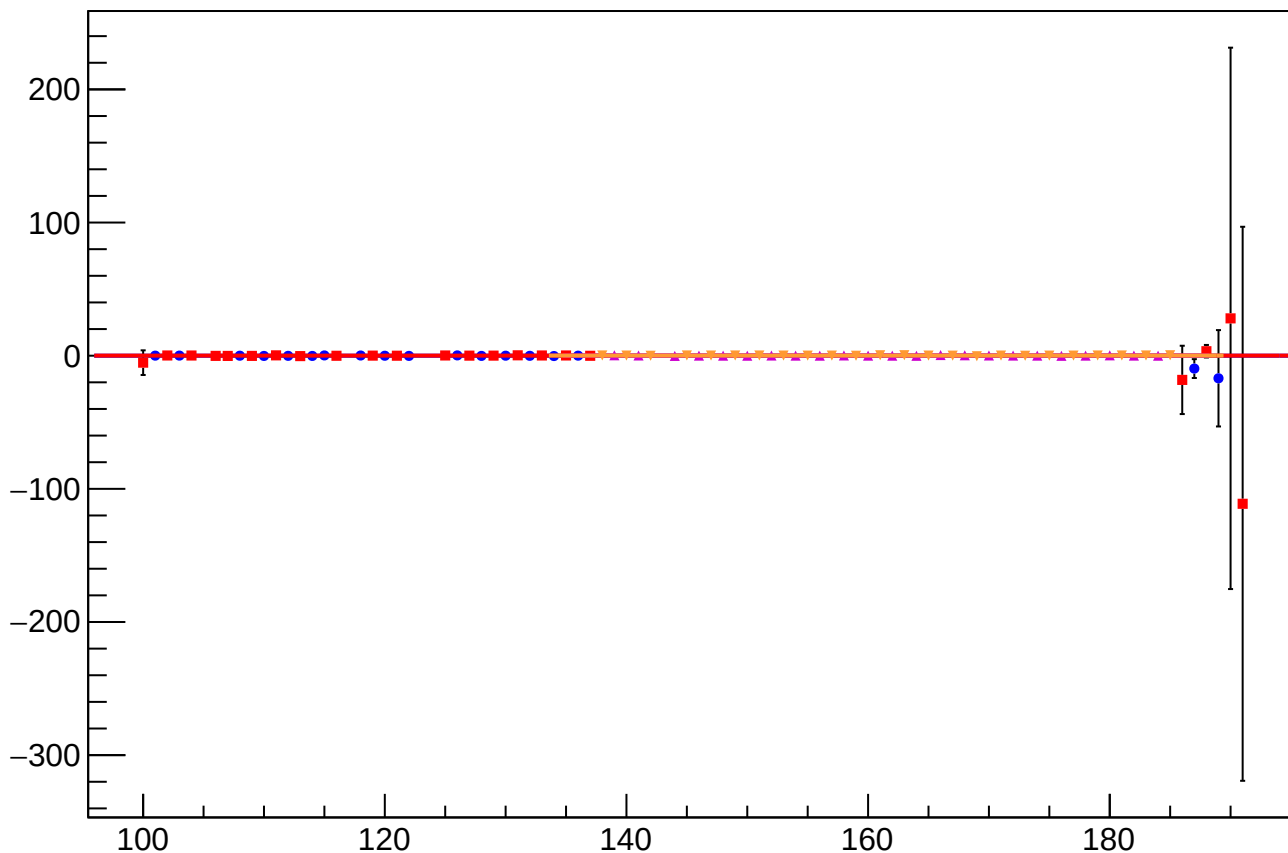
Right: 0.201 $\pm$ 0.038 χ^2 /NDF: 67.9/39

In: 0.043 $\pm$ 0.020 χ^2 /NDF:60.4/40

Out: 0.104 $\pm$ 0.020 χ^2 /NDF:93.8/45

All: 0.073 $\pm$ 0.014 χ^2 /NDF: 158.7/86

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.011 $\pm$ 0.033 χ^2 /NDF: 15.8/17

Left Out: 0.105 $\pm$ 0.020 χ^2 /NDF:29.5/23

Right Out: 0.059 $\pm$ 0.034 χ^2 /NDF: 21.9/21

Left In: 0.072 $\pm$ 0.020 χ^2 /NDF:31.7/22

Left: 0.089 $\pm$ 0.014 χ^2 /NDF: 62.6/46

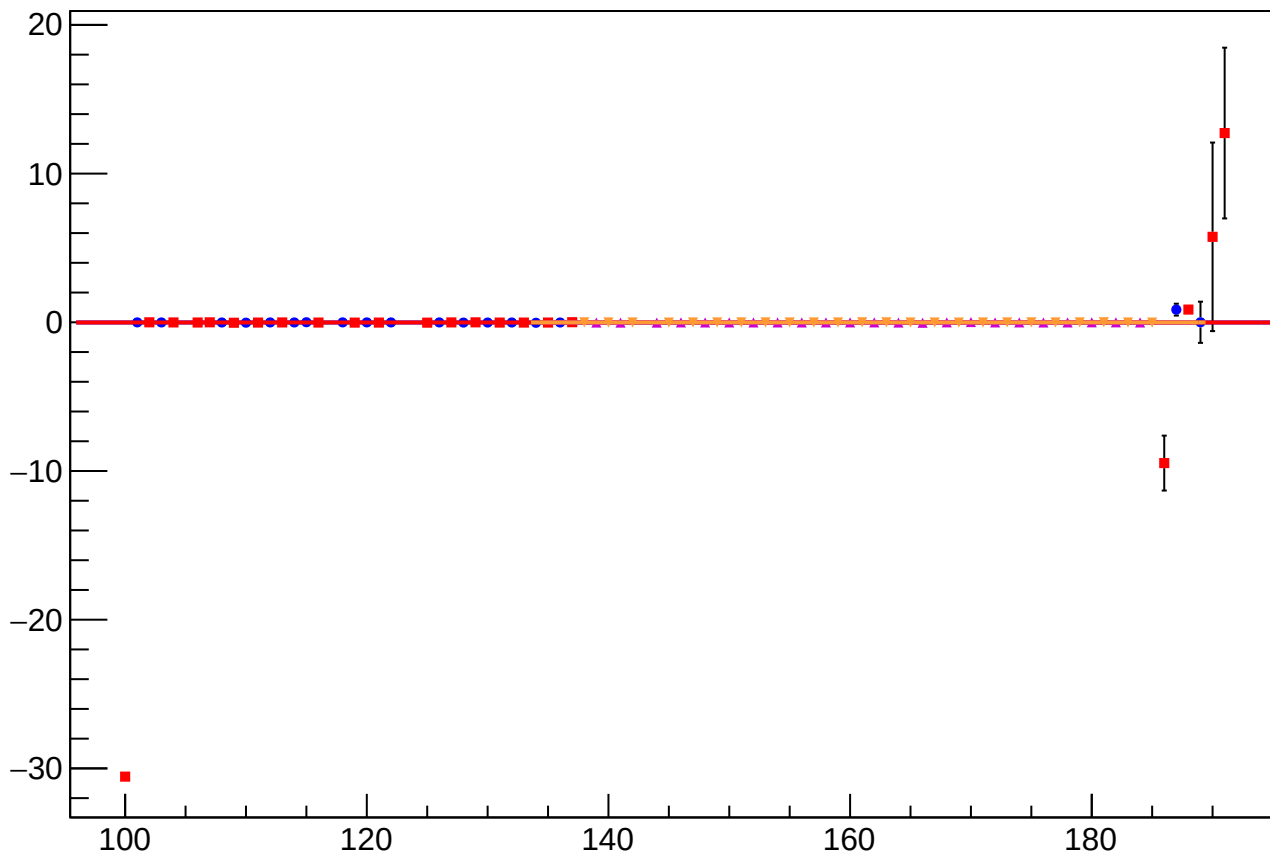
Right: 0.022 $\pm$ 0.023 χ^2 /NDF: 39.9/39

In: 0.050 $\pm$ 0.017 χ^2 /NDF:52.3/40

Out: 0.093 $\pm$ 0.017 χ^2 /NDF:52.8/45

All: 0.071 $\pm$ 0.012 χ^2 /NDF: 108.4/86

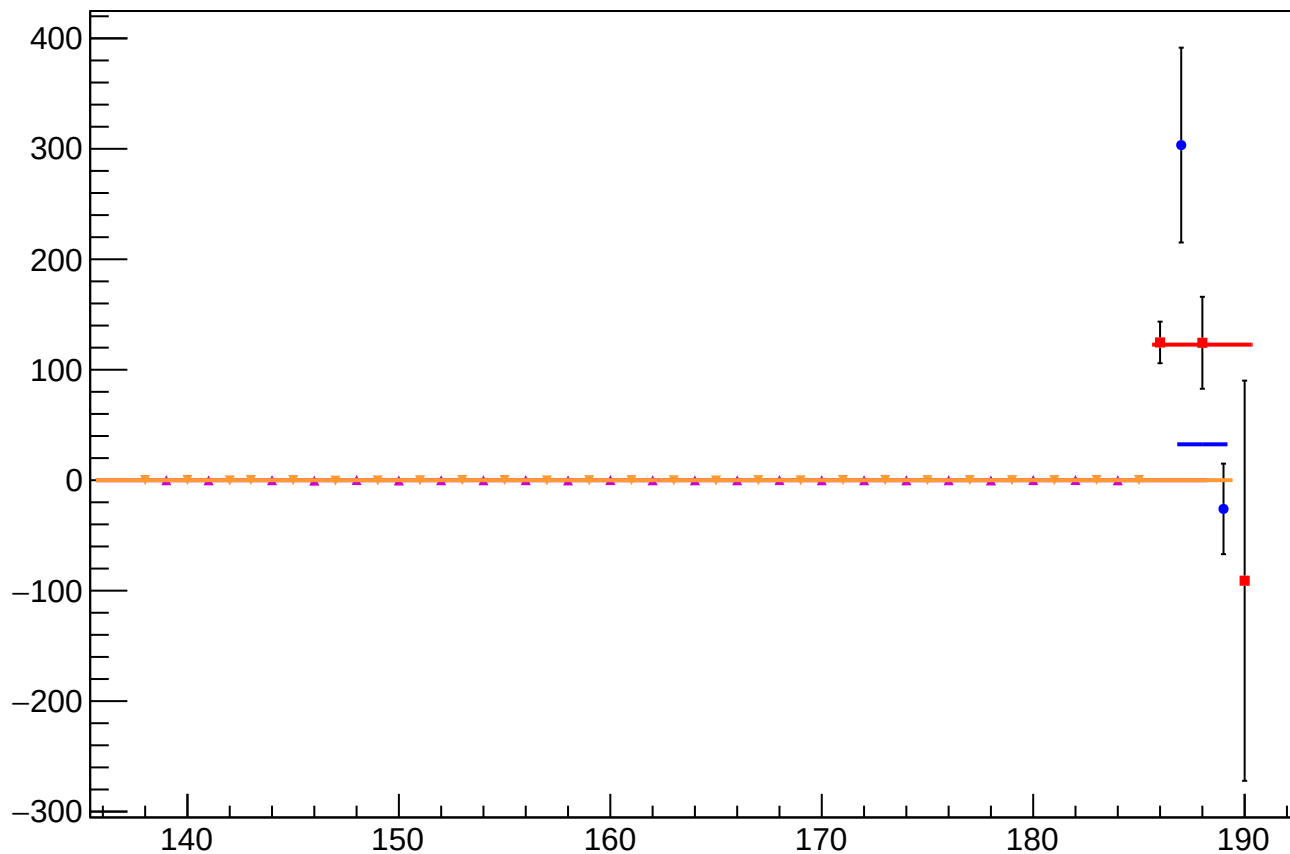
reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 17.6/17
 Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:30.7/23
 Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11936.4/21
 Left In: -0.009 $\pm$ 0.001 χ^2 /NDF:42.1/22

Left: -0.008 $\pm$ 0.001 χ^2 /NDF: 73.1/46
 Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11954.0/39
 In: -0.009 $\pm$ 0.001 χ^2 /NDF:61.9/40
 Out: -0.009 $\pm$ 0.001 χ^2 /NDF:11971.2/45
 All: -0.009 $\pm$ 0.001 χ^2 /NDF: 12033.4/86

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 32.486+/-37.161 χ^2/NDF : 11.5/1

Left Out: 0.013+/-0.027 χ^2/NDF : 29.2/24

Right Out: 122.737+/-17.074 χ^2/NDF : 1.4/2

Left In: 0.004+/-0.028 χ^2/NDF : 28.2/22

Left: 0.009+/-0.019 χ^2/NDF : 57.4/47

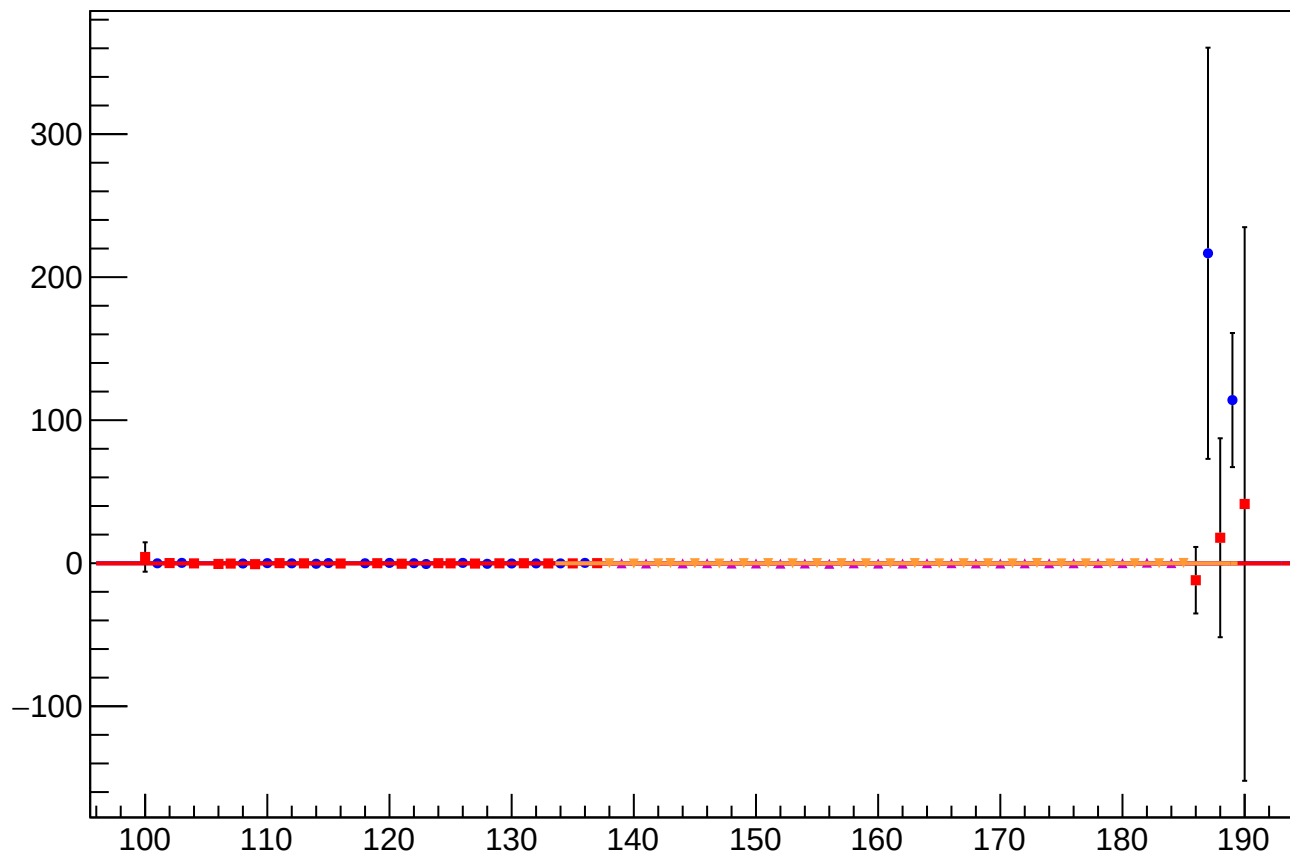
Right: 107.006+/-15.514 χ^2/NDF : 17.7/4

In: 0.004+/-0.028 χ^2/NDF : 40.4/24

Out: 0.014+/-0.027 χ^2/NDF : 82.2/27

All: 0.009+/-0.019 χ^2/NDF : 122.7/52

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024 ± 0.037 χ^2/NDF : 31.6/18

Left Out: -0.058 ± 0.021 χ^2/NDF : 25.4/24

Right Out: -0.128 ± 0.039 χ^2/NDF : 18.0/21

Left In: -0.072 ± 0.022 χ^2/NDF : 48.7/22

Left: -0.064 ± 0.015 χ^2/NDF : 74.4/47

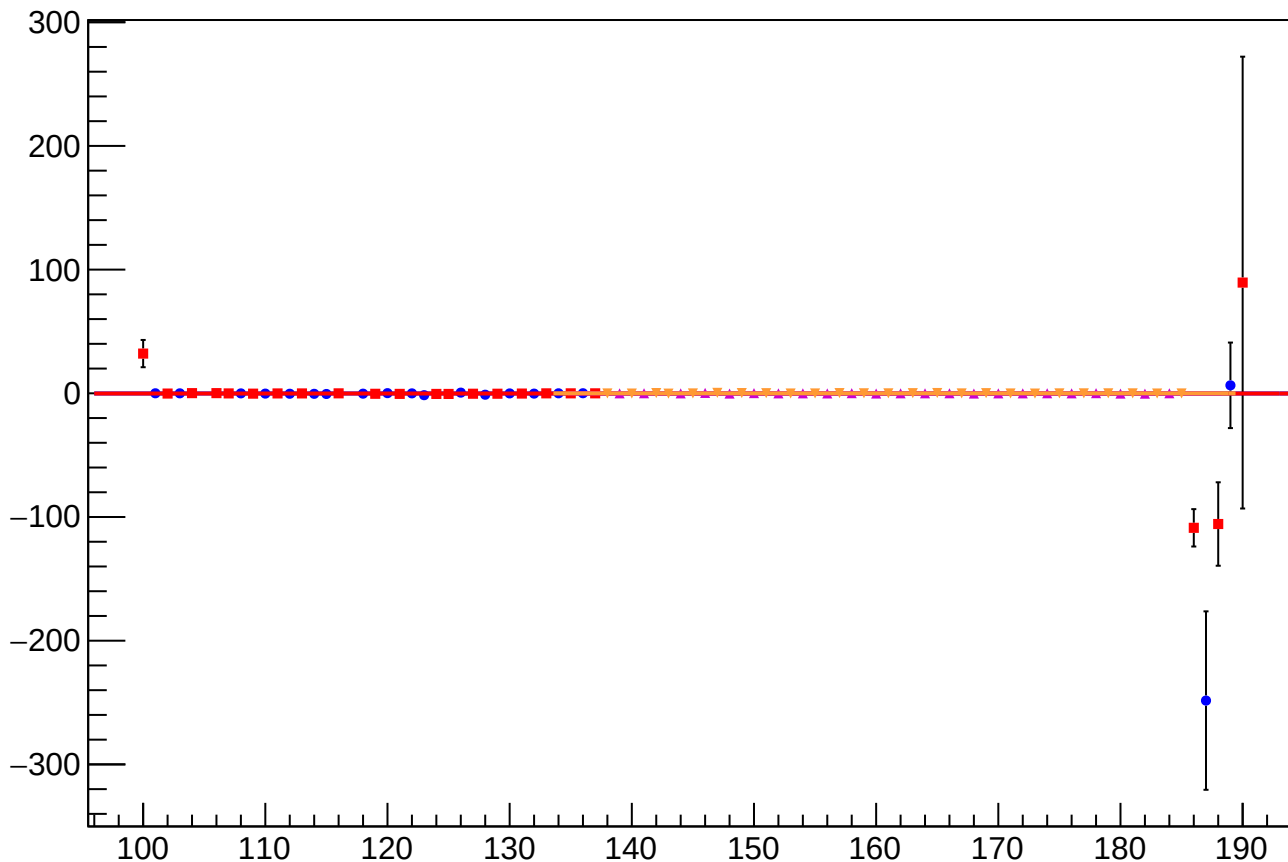
Right: -0.072 ± 0.027 χ^2/NDF : 53.3/40

In: -0.059 ± 0.019 χ^2/NDF : 81.5/41

Out: -0.073 ± 0.019 χ^2/NDF : 45.9/46

All: -0.066 ± 0.013 χ^2/NDF : 127.7/88

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.130 ± 0.067 χ^2/NDF : 35.6/18

Left Out: -0.015 ± 0.027 χ^2/NDF : 27.0/24

Right Out: -0.174 ± 0.071 χ^2/NDF : 76.7/21

Left In: -0.035 ± 0.027 χ^2/NDF : 27.7/22

Left: -0.025 ± 0.019 χ^2/NDF : 55.0/47

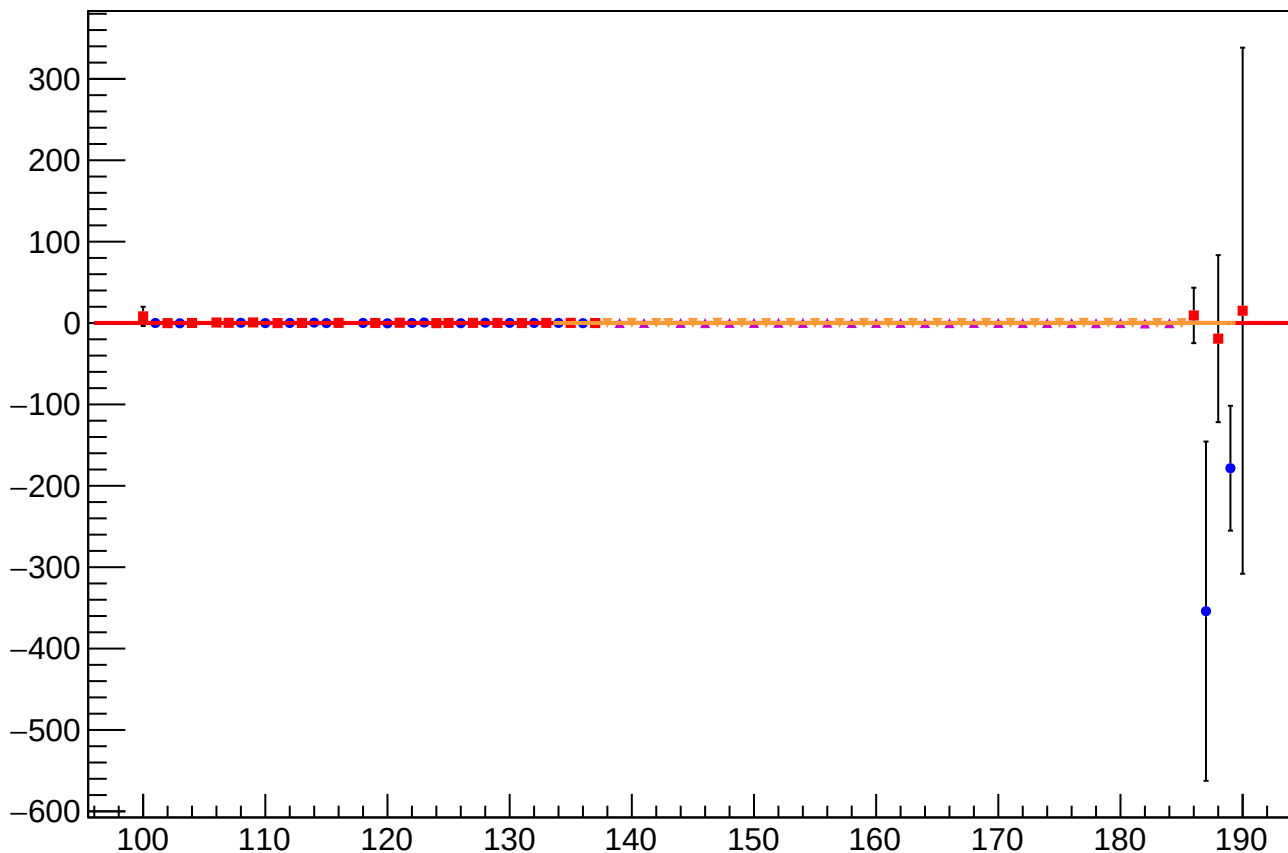
Right: -0.151 ± 0.049 χ^2/NDF : 112.5/40

In: -0.048 ± 0.025 χ^2/NDF : 65.1/41

Out: -0.035 ± 0.025 χ^2/NDF : 108.1/46

All: -0.042 ± 0.018 χ^2/NDF : 173.4/88

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021 $\pm$ 0.042 χ^2 /NDF: 30.8/18

Left Out: 0.062 $\pm$ 0.024 χ^2 /NDF:25.0/24

Right Out: 0.152 $\pm$ 0.045 χ^2 /NDF: 16.4/21

Left In: 0.069 $\pm$ 0.025 χ^2 /NDF:51.4/22

Left: 0.065 $\pm$ 0.017 χ^2 /NDF: 76.5/47

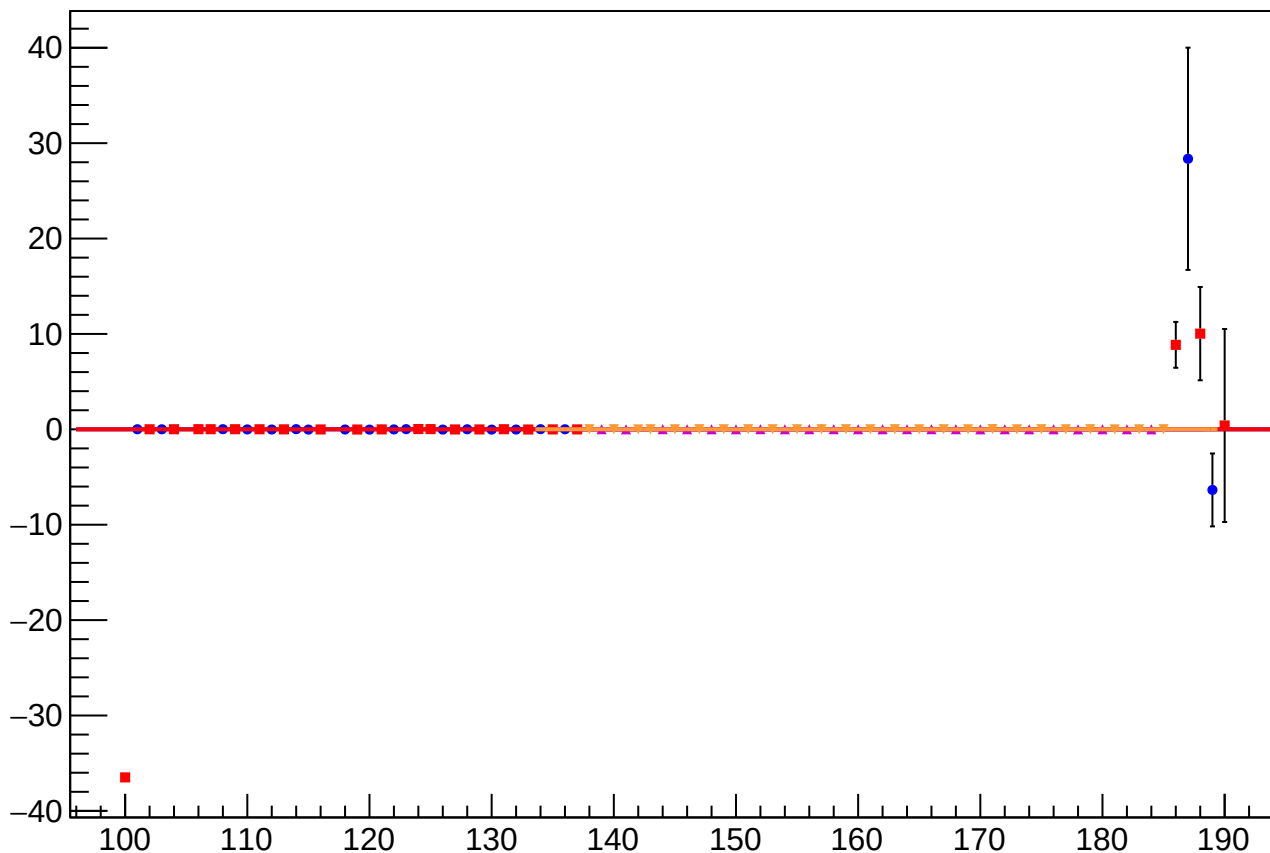
Right: 0.082 $\pm$ 0.031 χ^2 /NDF: 51.6/40

In: 0.057 $\pm$ 0.021 χ^2 /NDF:83.2/41

Out: 0.081 $\pm$ 0.021 χ^2 /NDF:44.5/46

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 128.4/88

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001+/-0.002 χ^2/NDF : 41.1/18

Left Out: 0.008+/-0.001 χ^2/NDF : 25.9/24

Right Out: 0.001+/-0.002 χ^2/NDF : 10466.9/21

Left In: 0.009+/-0.001 χ^2/NDF : 15.8/22

Left: 0.009+/-0.001 χ^2/NDF : 42.0/47

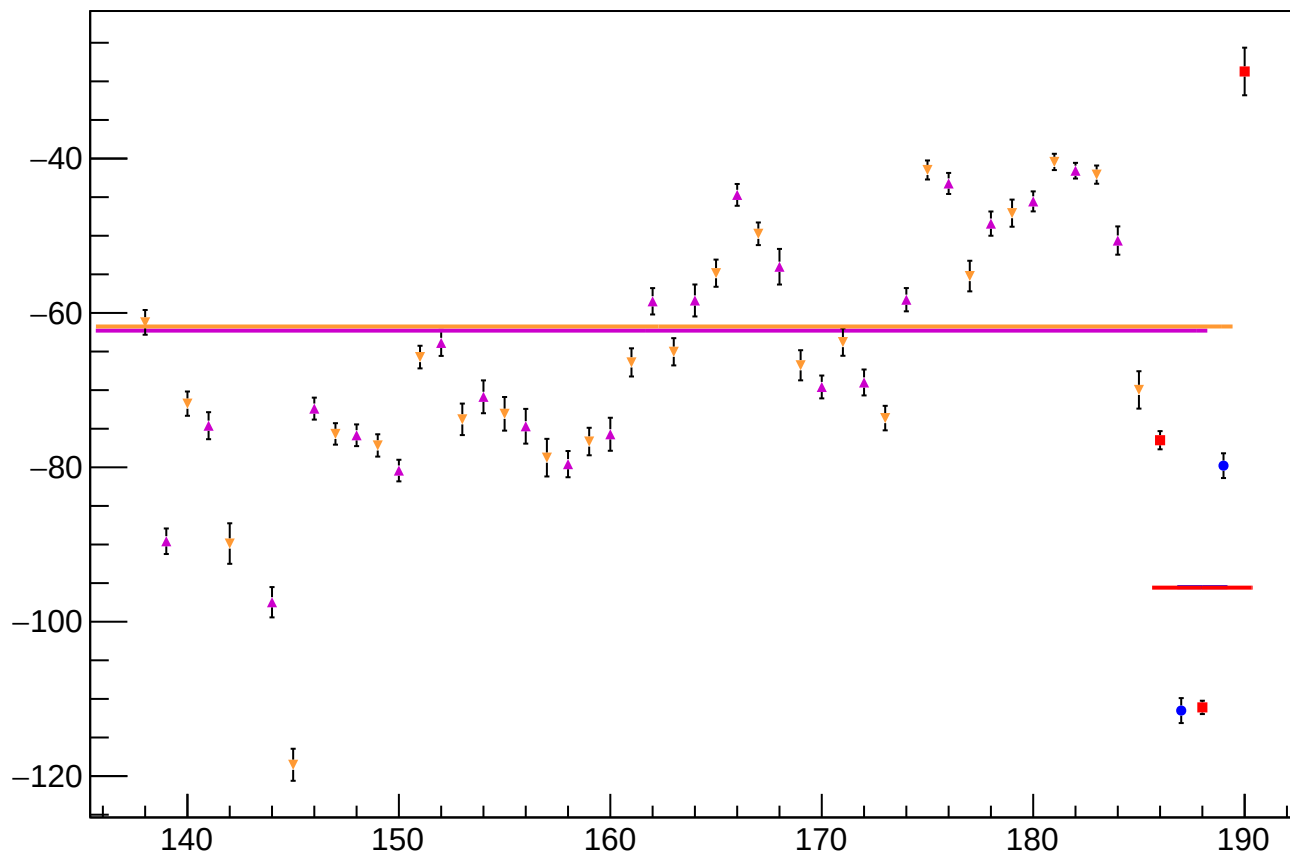
Right: 0.001+/-0.002 χ^2/NDF : 10508.0/40

In: 0.008+/-0.001 χ^2/NDF : 67.0/41

Out: 0.007+/-0.001 χ^2/NDF : 10501.1/46

All: 0.007+/-0.001 χ^2/NDF : 10568.3/88

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -95.522+/-1.139 χ^2/NDF : 193.9/1

Left Out: -61.756+/-0.334 χ^2/NDF :2509.2/23

Right Out: -95.587+/-0.680 χ^2/NDF : 1055.2/2

Left In: -62.290+/-0.331 χ^2/NDF :2265.0/22

Left: -62.025+/-0.235 χ^2/NDF : 4775.5/46

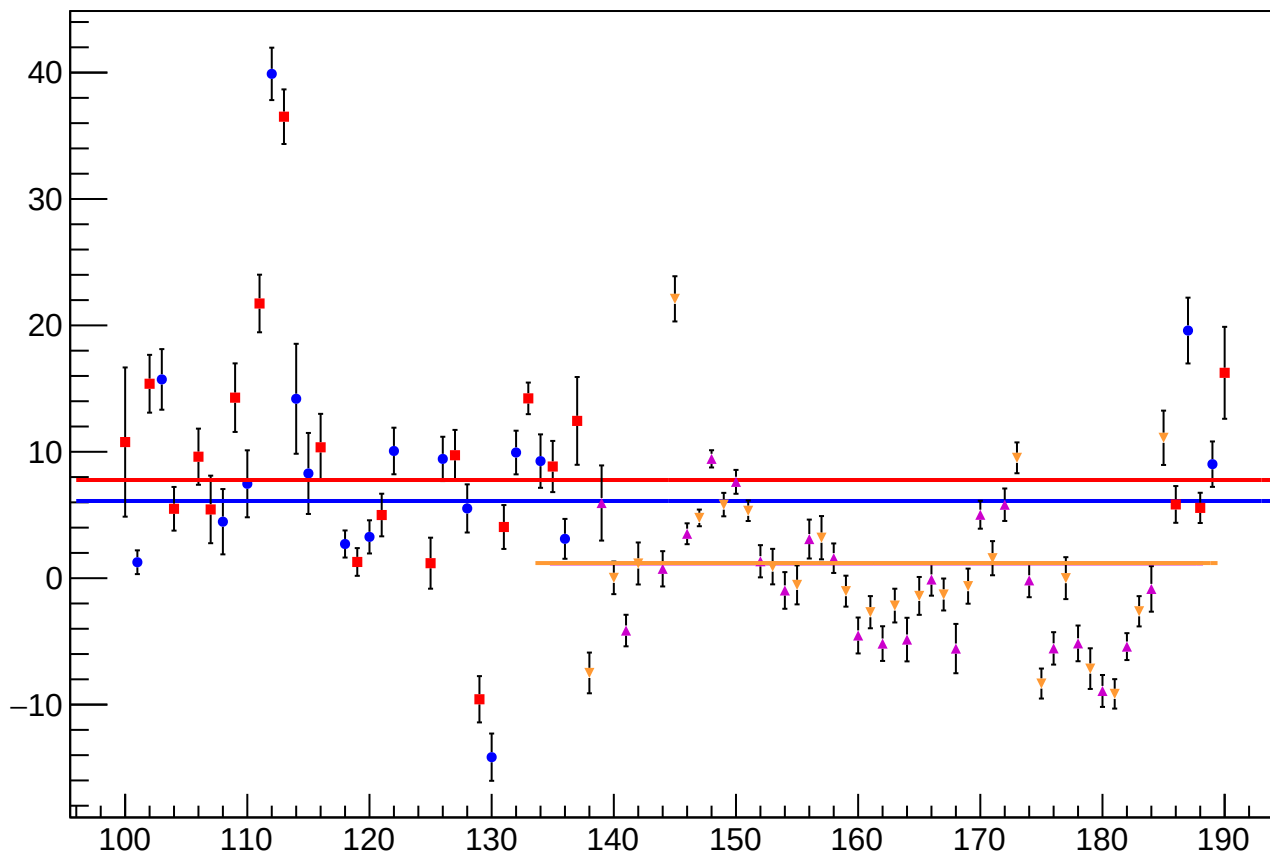
Right: -95.570+/-0.584 χ^2/NDF : 1249.1/4

In: -64.880+/-0.318 χ^2/NDF :3243.6/24

Out: -68.331+/-0.300 χ^2/NDF :5560.5/26

All: -66.708+/-0.218 χ^2/NDF : 8866.5/51

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.108 $\pm$ 0.407 χ^2/NDF : 493.8/17

Left Out: 1.197 $\pm$ 0.252 χ^2/NDF :526.1/23

Right Out: 7.768 $\pm$ 0.405 χ^2/NDF : 419.0/20

Left In: 1.171 $\pm$ 0.255 χ^2/NDF :466.2/22

Left: 1.184 $\pm$ 0.179 χ^2/NDF : 992.3/46

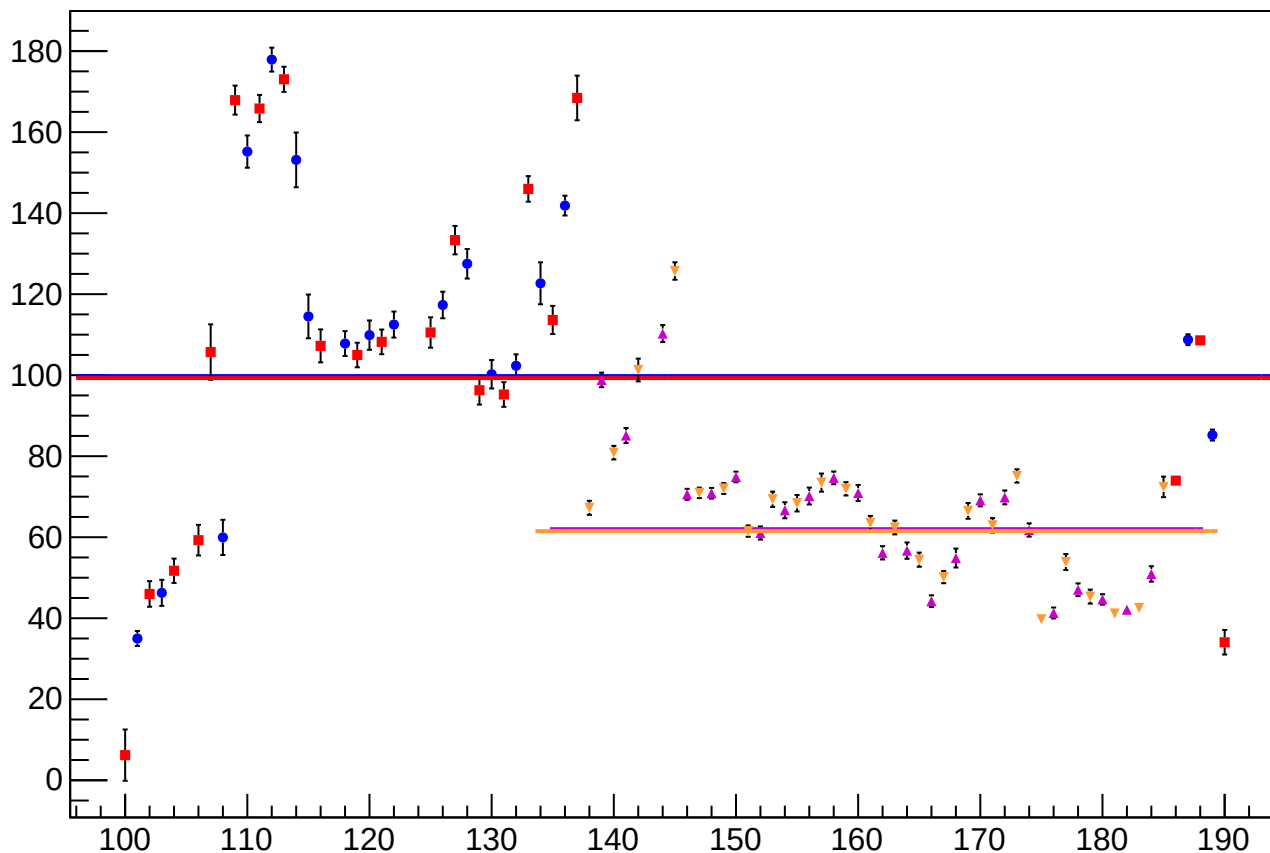
Right: 6.943 $\pm$ 0.287 χ^2/NDF : 921.1/38

In: 2.560 $\pm$ 0.216 χ^2/NDF :1065.7/40

Out: 3.038 $\pm$ 0.214 χ^2/NDF :1134.9/44

All: 2.801 $\pm$ 0.152 χ^2/NDF : 2203.0/85

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 99.774 $\pm$ 0.615 χ^2 /NDF: 3145.5/17

Left Out: 61.496 $\pm$ 0.332 χ^2 /NDF:2610.2/23

Right Out: 99.284 $\pm$ 0.459 χ^2 /NDF: 4068.8/20

Left In: 61.995 $\pm$ 0.329 χ^2 /NDF:2517.6/22

Left: 61.748 $\pm$ 0.234 χ^2 /NDF: 5129.0/46

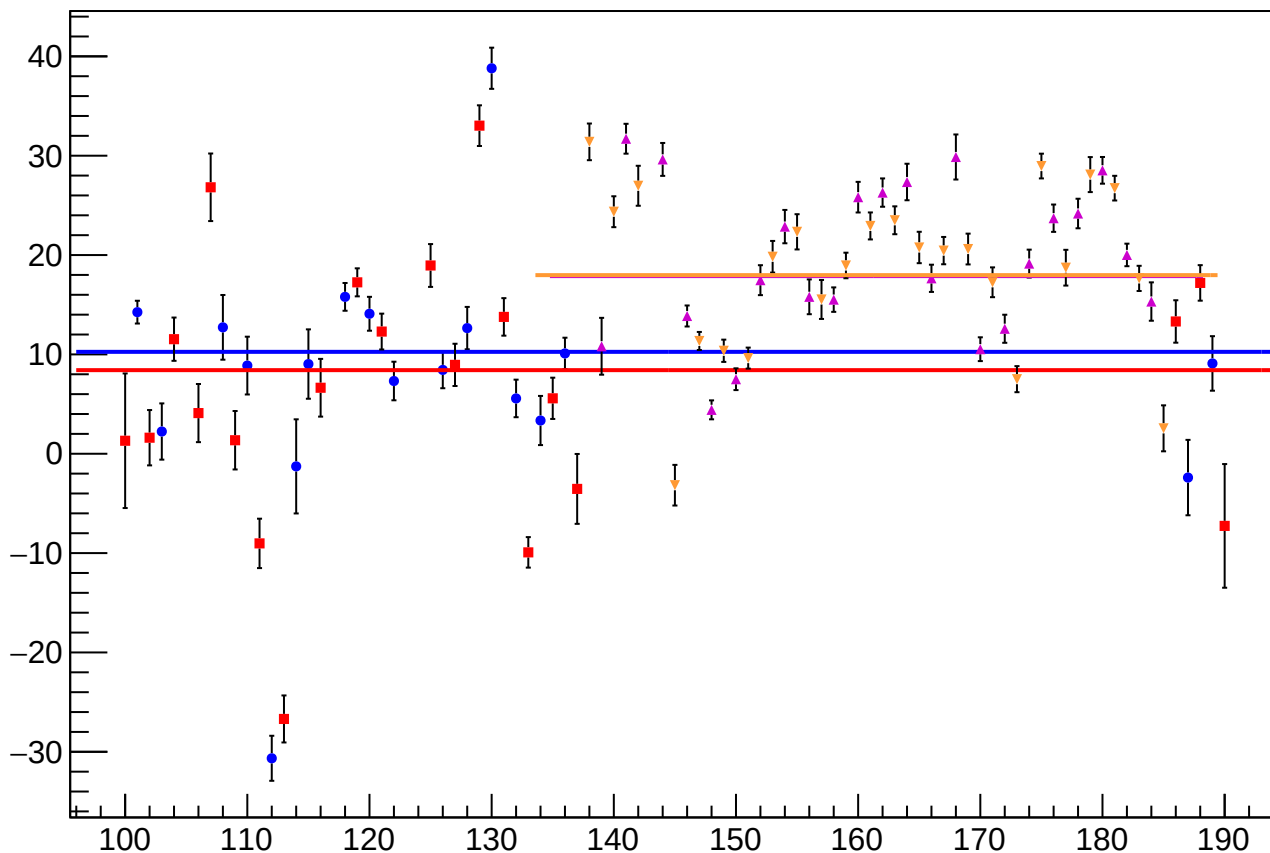
Right: 99.460 $\pm$ 0.368 χ^2 /NDF: 7214.7/38

In: 70.408 $\pm$ 0.290 χ^2 /NDF:8600.5/40

Out: 74.482 $\pm$ 0.269 χ^2 /NDF:11123.5/44

All: 72.596 $\pm$ 0.197 χ^2 /NDF: 19830.0/85

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.258+/-0.480 χ^2/NDF : 593.1/17

Left Out: 17.979+/-0.291 χ^2/NDF : 674.8/23

Right Out: 8.415+/-0.488 χ^2/NDF : 728.3/20

Left In: 17.881+/-0.292 χ^2/NDF : 730.9/22

Left: 17.930+/-0.206 χ^2/NDF : 1405.8/46

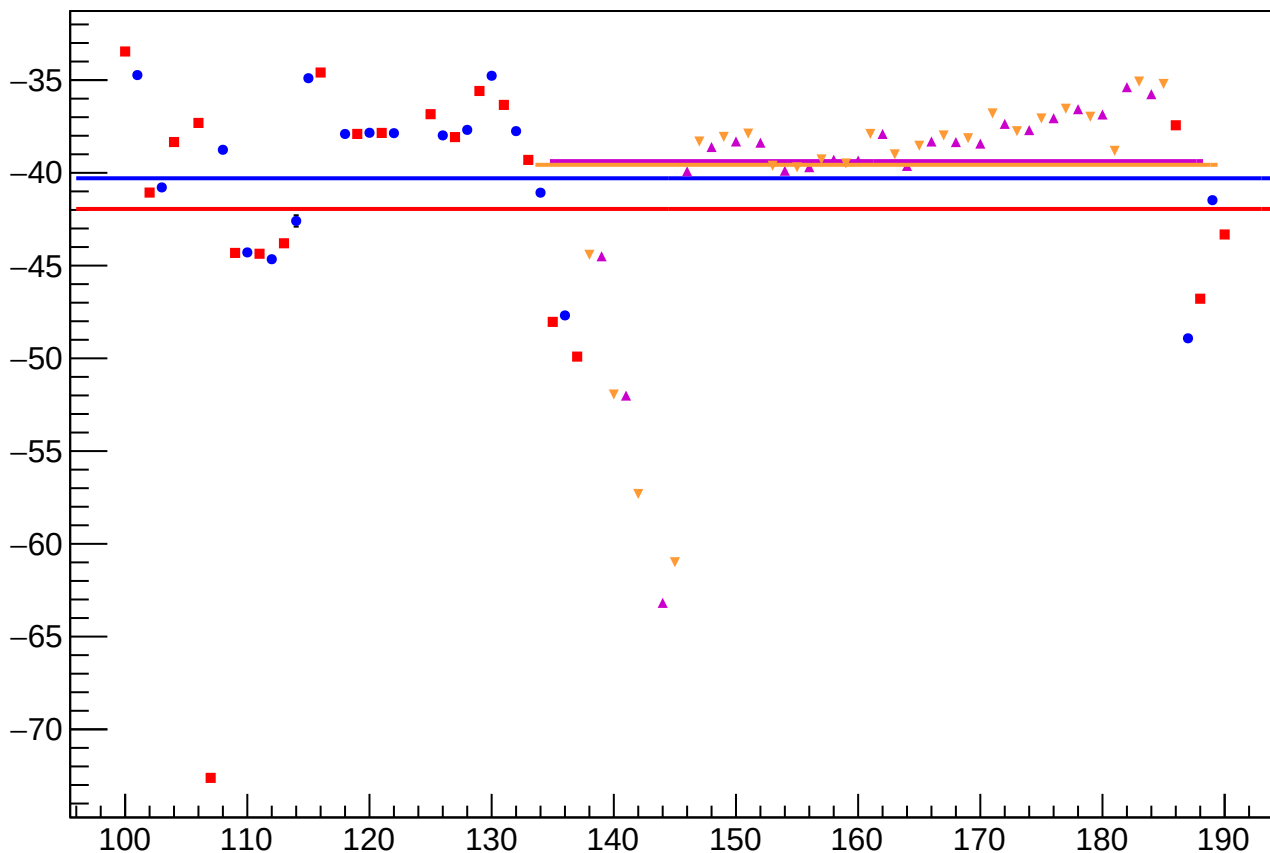
Right: 9.351+/-0.342 χ^2/NDF : 1328.6/38

In: 15.828+/-0.249 χ^2/NDF : 1508.0/40

Out: 15.473+/-0.250 χ^2/NDF : 1686.6/44

All: 15.651+/-0.176 χ^2/NDF : 3195.5/85

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.293 ± 0.027 $\chi^2/\text{NDF}: 26891.4/17$

Left Out: -39.567 ± 0.014 $\chi^2/\text{NDF}: 141152.0/23$

Right Out: -41.946 ± 0.027 $\chi^2/\text{NDF}: 65617.3/20$

Left In: -39.368 ± 0.014 $\chi^2/\text{NDF}: 117958.1/22$

Left: -39.466 ± 0.010 $\chi^2/\text{NDF}: 259216.7/46$

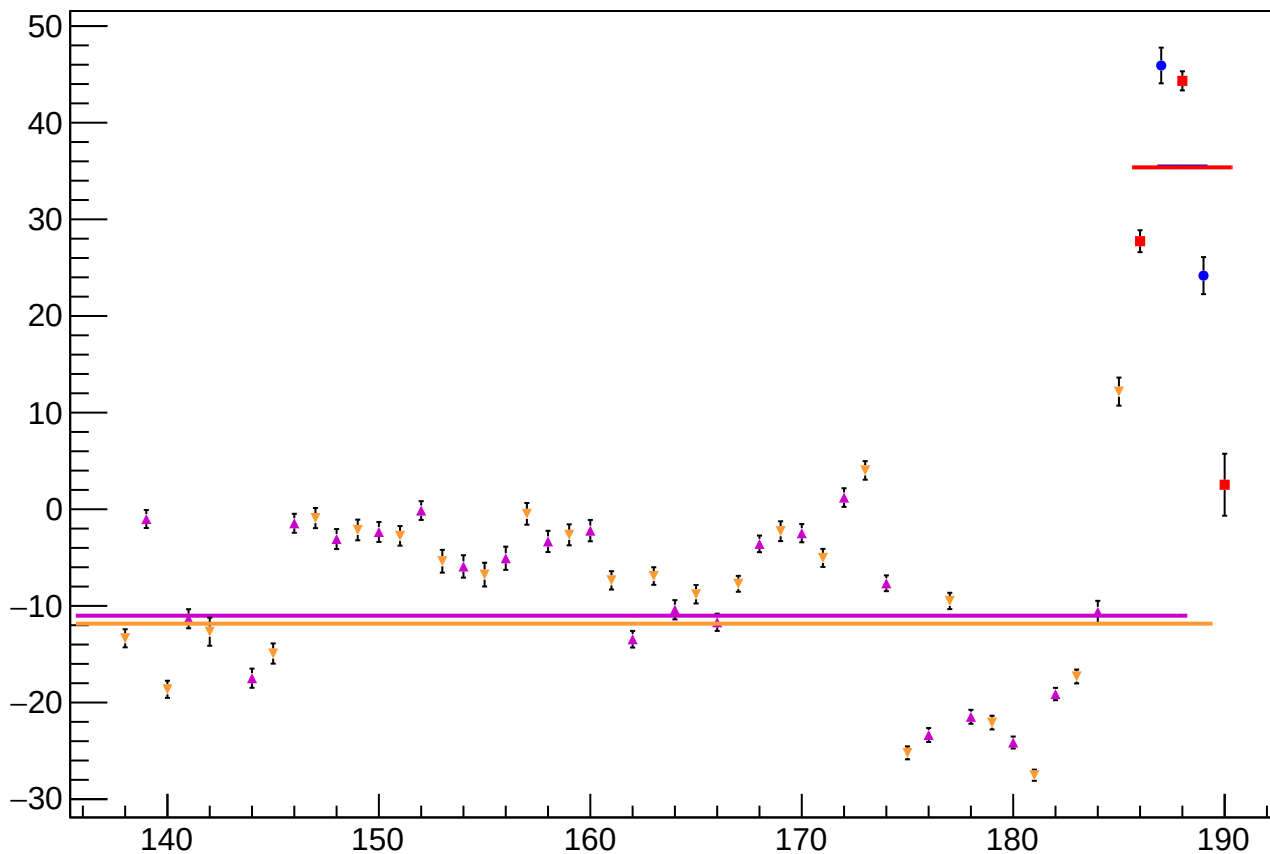
Right: -41.139 ± 0.019 $\chi^2/\text{NDF}: 94393.7/38$

In: -39.551 ± 0.012 $\chi^2/\text{NDF}: 145774.4/40$

Out: -40.067 ± 0.012 $\chi^2/\text{NDF}: 213079.7/44$

All: -39.808 ± 0.009 $\chi^2/\text{NDF}: 359753.2/85$

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 35.466 $\pm$ 1.329 χ^2 /NDF: 66.8/1

Left Out: -11.837 $\pm$ 0.187 χ^2 /NDF: 2742.4/23

Right Out: 35.378 $\pm$ 0.727 χ^2 /NDF: 232.1/2

Left In: -11.014 $\pm$ 0.187 χ^2 /NDF: 2116.6/22

Left: -11.426 $\pm$ 0.132 χ^2 /NDF: 4868.7/46

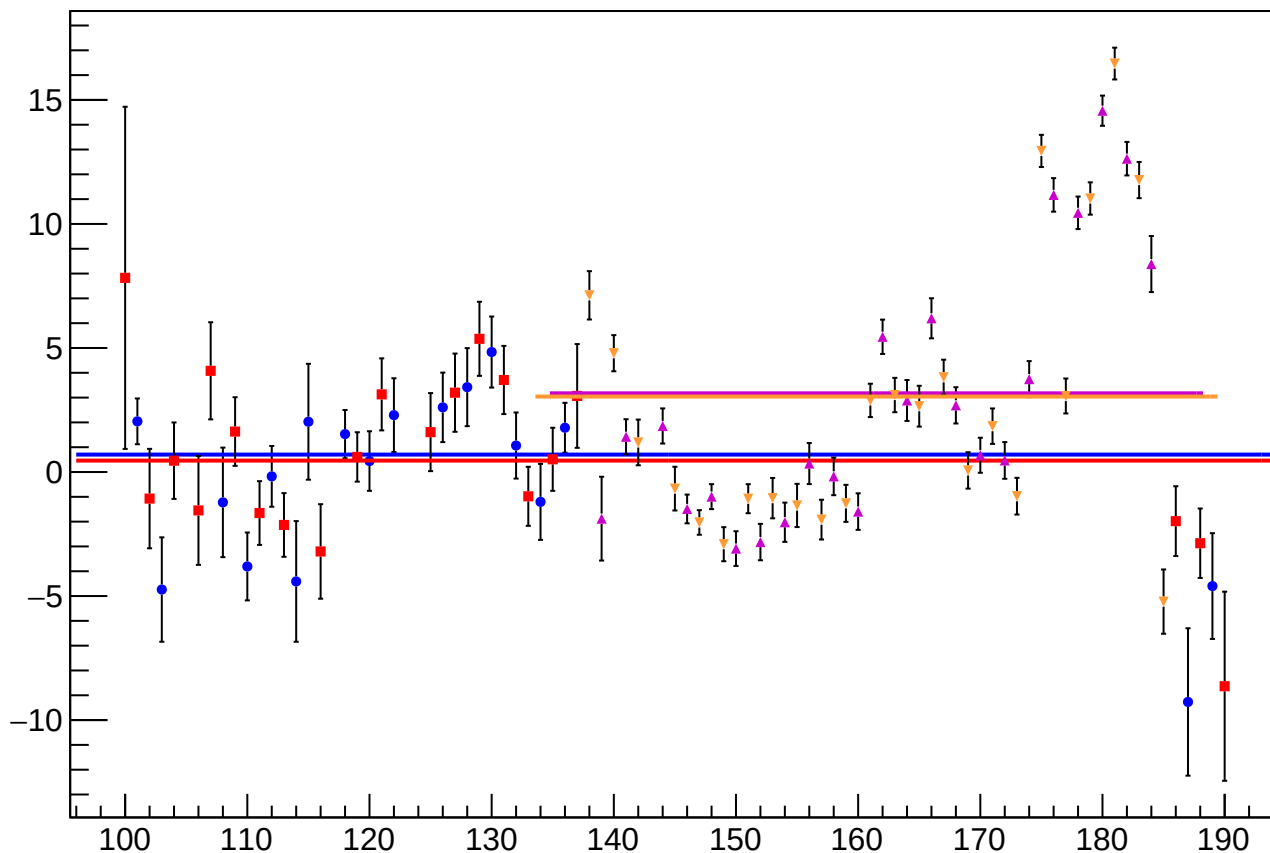
Right: 35.399 $\pm$ 0.638 χ^2 /NDF: 298.9/4

In: -10.111 $\pm$ 0.185 χ^2 /NDF: 3382.0/24

Out: -8.910 $\pm$ 0.181 χ^2 /NDF: 6935.5/26

All: -9.496 $\pm$ 0.129 χ^2 /NDF: 10338.9/51

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.703 ± 0.332 $\chi^2/\text{NDF}: 61.0/17$

Left Out: 3.042 ± 0.148 $\chi^2/\text{NDF}: 1452.6/23$

Right Out: 0.461 ± 0.332 $\chi^2/\text{NDF}: 57.9/20$

Left In: 3.172 ± 0.150 $\chi^2/\text{NDF}: 1297.9/22$

Left: 3.106 ± 0.105 $\chi^2/\text{NDF}: 2750.9/46$

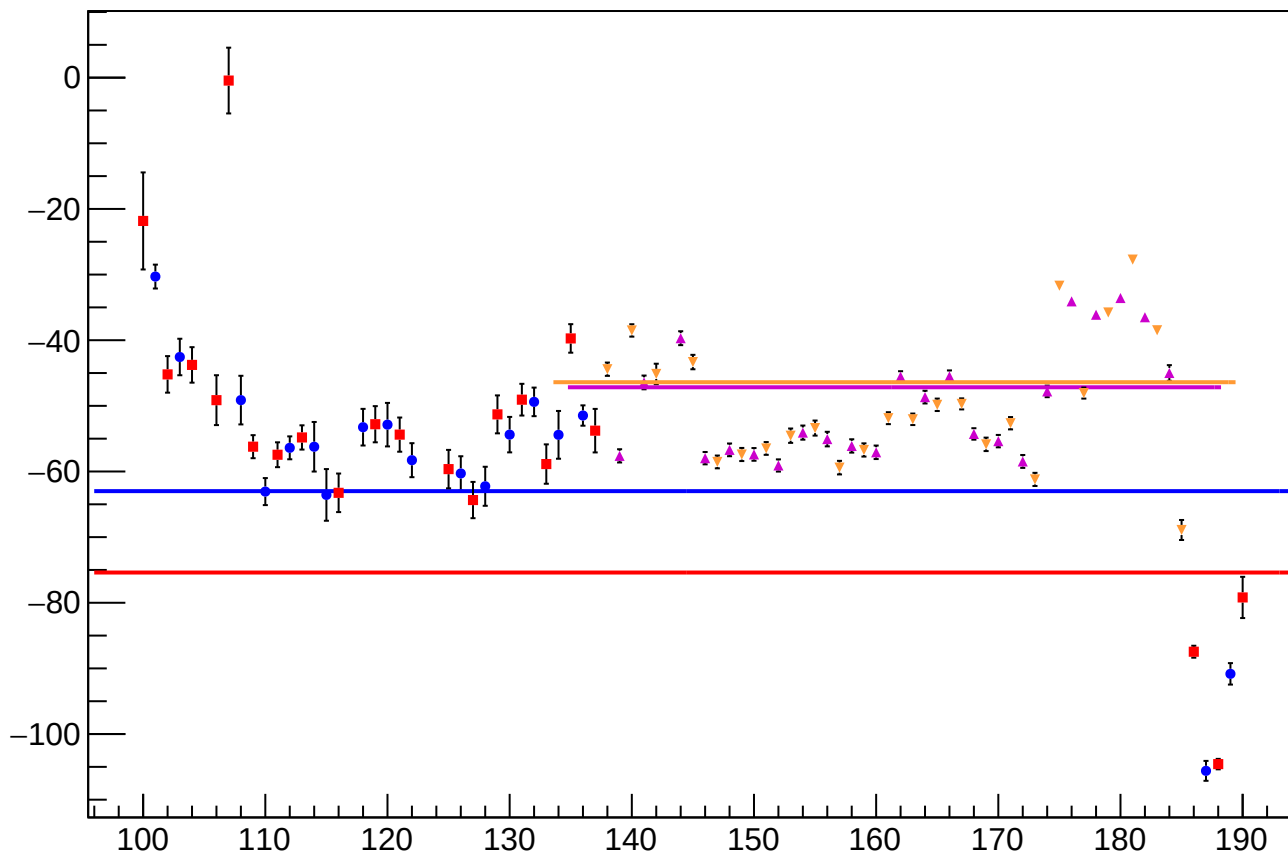
Right: 0.582 ± 0.235 $\chi^2/\text{NDF}: 119.2/38$

In: 2.755 ± 0.136 $\chi^2/\text{NDF}: 1404.9/40$

Out: 2.615 ± 0.135 $\chi^2/\text{NDF}: 1561.0/44$

All: 2.684 ± 0.096 $\chi^2/\text{NDF}: 2966.4/85$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.993 ± 0.536 χ^2/NDF : 1624.6/17

Left Out: -46.398 ± 0.187 χ^2/NDF : 3289.4/23

Right Out: -75.393 ± 0.426 χ^2/NDF : 3151.8/20

Left In: -47.170 ± 0.186 χ^2/NDF : 2526.3/22

Left: -46.784 ± 0.132 χ^2/NDF : 5824.3/46

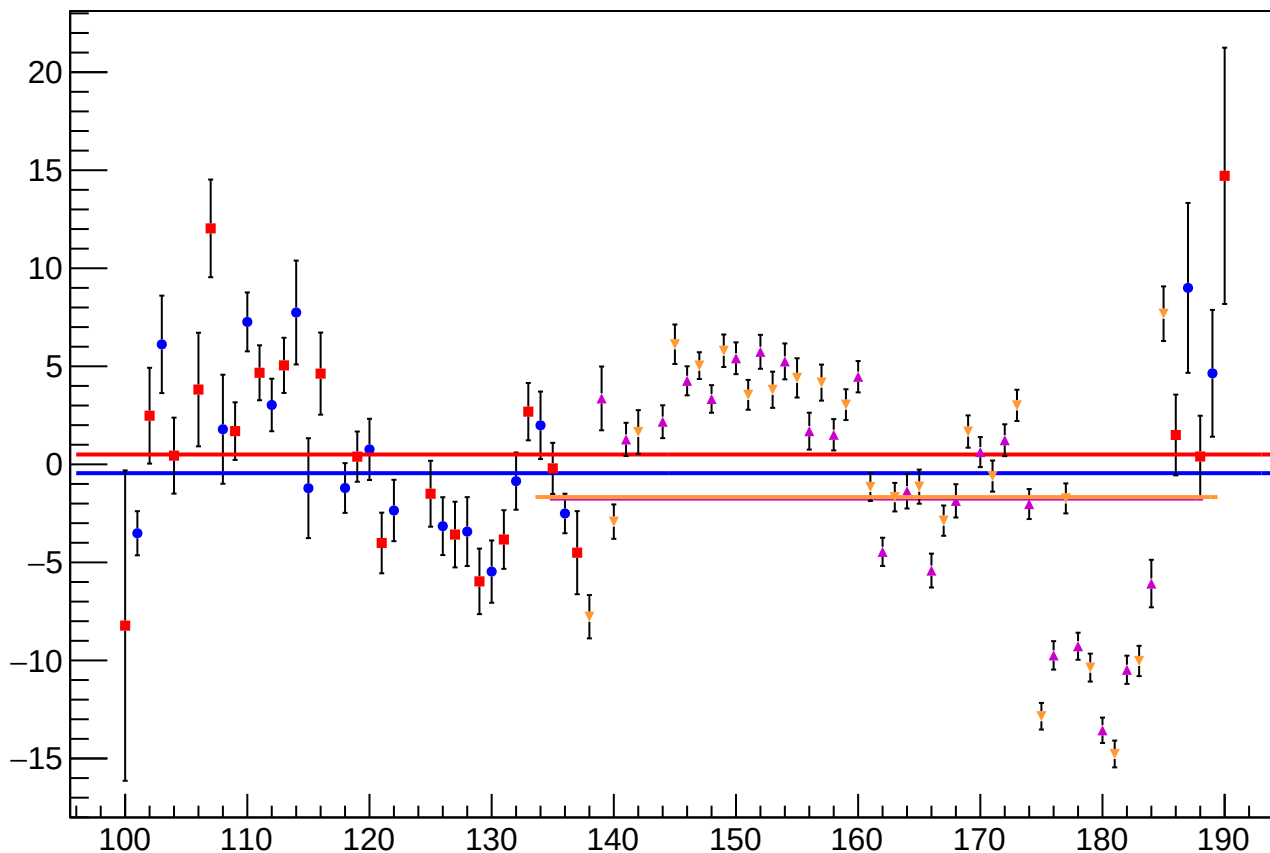
Right: -70.595 ± 0.333 χ^2/NDF : 5104.5/38

In: -48.878 ± 0.176 χ^2/NDF : 4928.1/40

Out: -51.066 ± 0.171 χ^2/NDF : 10331.0/44

All: -50.005 ± 0.123 χ^2/NDF : 15338.6/85

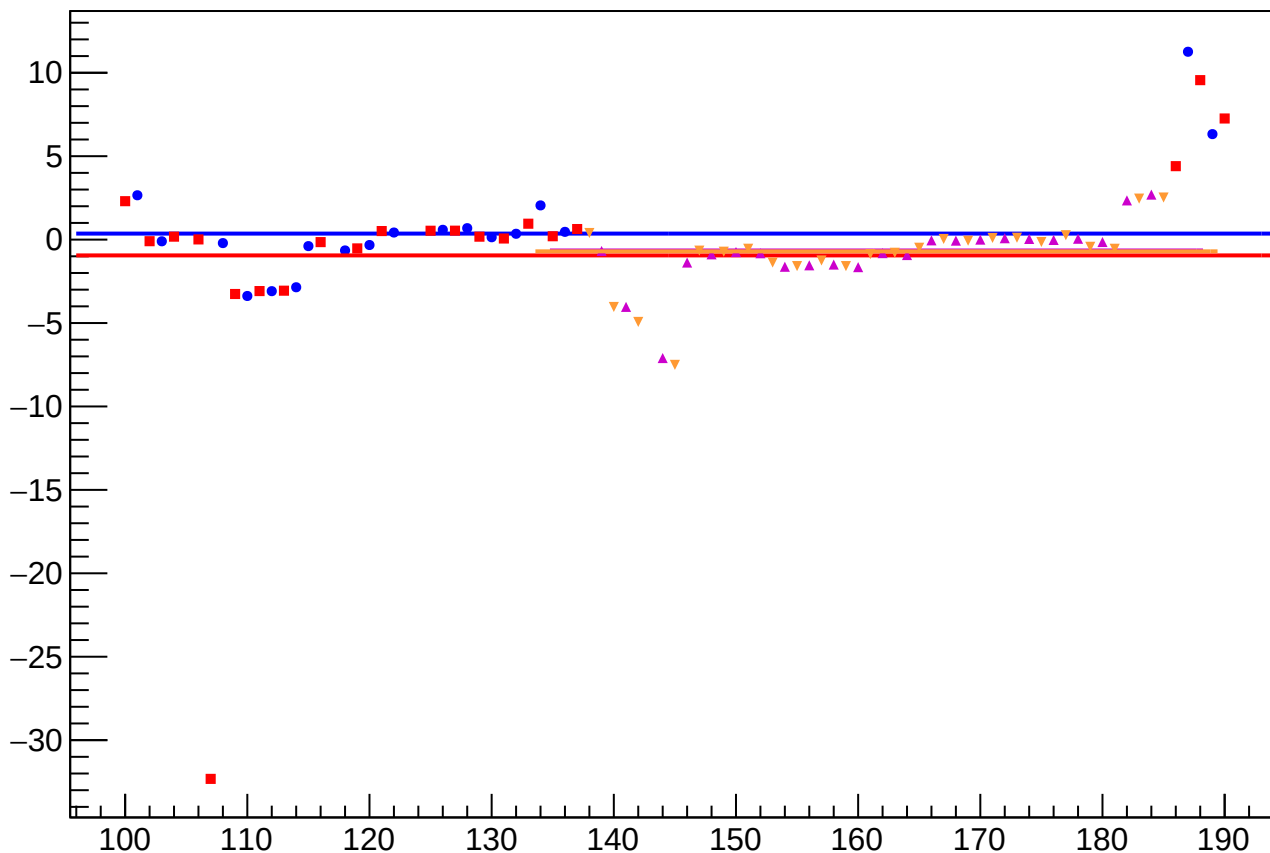
reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.450 ± 0.380 χ^2/NDF : 90.0/17
 Left Out: -1.668 ± 0.167 χ^2/NDF : 1479.3/23
 Right Out: 0.503 ± 0.385 χ^2/NDF : 100.8/20
 Left In: -1.746 ± 0.168 χ^2/NDF : 1254.1/22

Left: -1.707 ± 0.119 χ^2/NDF : 2733.5/46
 Right: 0.020 ± 0.270 χ^2/NDF : 193.9/38
 In: -1.533 ± 0.154 χ^2/NDF : 1353.8/40
 Out: -1.325 ± 0.153 χ^2/NDF : 1606.9/44
 All: -1.428 ± 0.109 χ^2/NDF : 2961.6/85

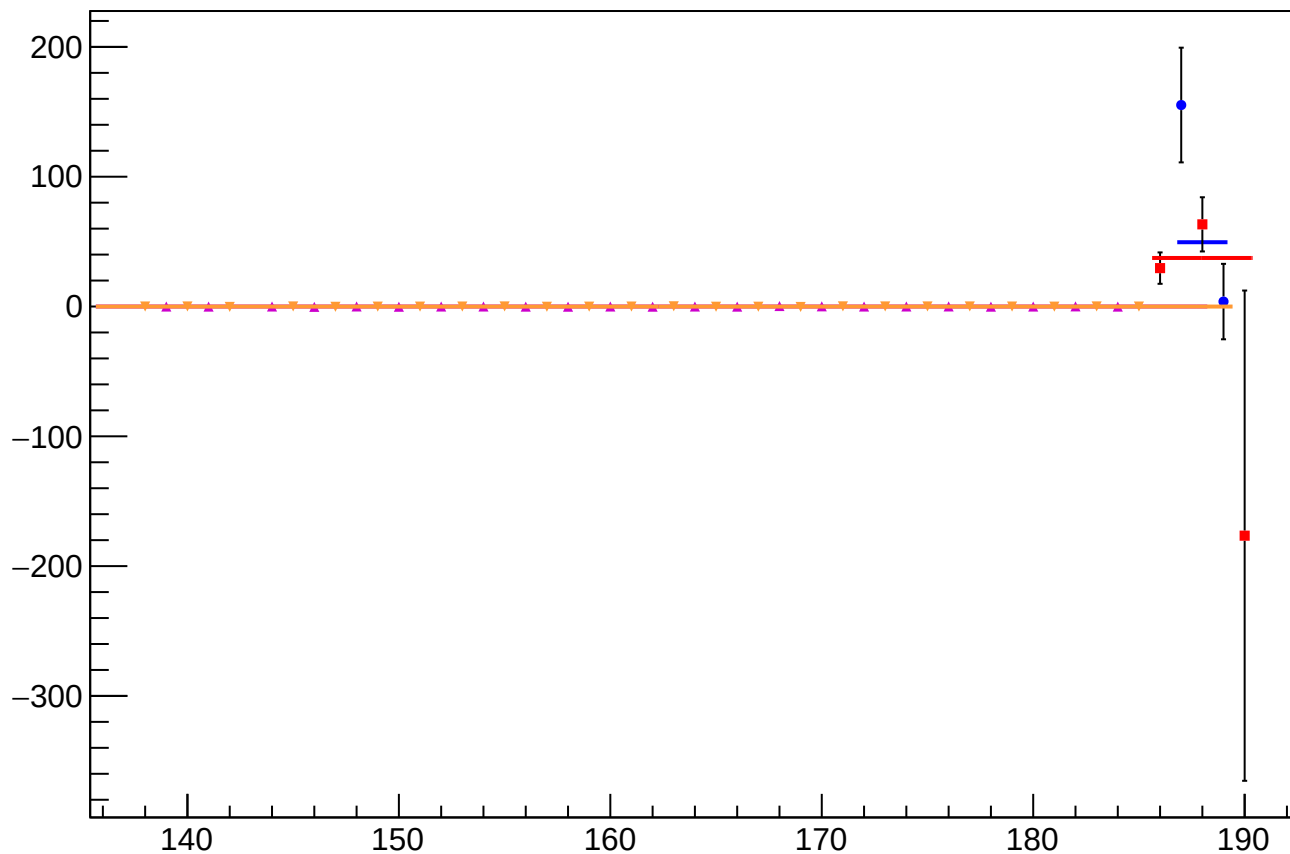
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.361 ± 0.021 $\chi^2/\text{NDF}: 9273.7/17$
 Left Out: -0.703 ± 0.008 $\chi^2/\text{NDF}: 53770.3/23$
 Right Out: -0.946 ± 0.021 $\chi^2/\text{NDF}: 92250.9/20$
 Left In: -0.651 ± 0.008 $\chi^2/\text{NDF}: 44167.1/22$

Left: -0.677 ± 0.005 $\chi^2/\text{NDF}: 97959.9/46$
 Right: -0.298 ± 0.015 $\chi^2/\text{NDF}: 103449.0/38$
 In: -0.535 ± 0.007 $\chi^2/\text{NDF}: 55466.7/40$
 Out: -0.731 ± 0.007 $\chi^2/\text{NDF}: 146140.4/44$
 All: -0.633 ± 0.005 $\chi^2/\text{NDF}: 201981.2/85$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 49.527+/-24.282 χ^2/NDF : 8.2/1

Left Out: -0.038+/-0.018 χ^2/NDF : 35.6/23

Right Out: 37.396+/-10.447 χ^2/NDF : 3.2/2

Left In: -0.009+/-0.018 χ^2/NDF : 35.3/22

Left: -0.024+/-0.013 χ^2/NDF : 72.1/46

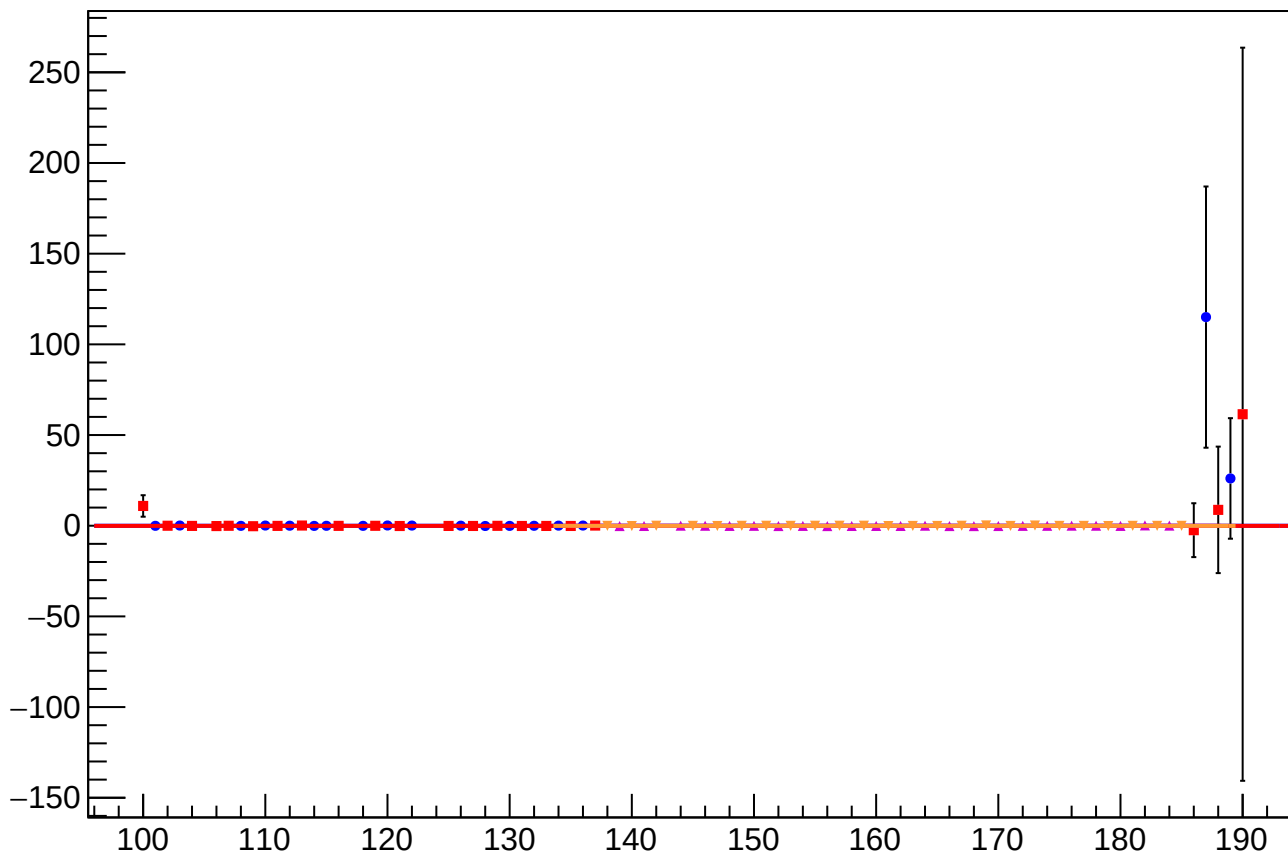
Right: 39.291+/-9.597 χ^2/NDF : 11.6/4

In: -0.009+/-0.018 χ^2/NDF : 47.6/24

Out: -0.038+/-0.018 χ^2/NDF : 51.7/26

All: -0.024+/-0.013 χ^2/NDF : 100.6/51

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 15.4/17

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.092 ± 0.025 χ^2/NDF : 12.9/20

Left In: -0.065 ± 0.014 χ^2/NDF : 40.4/22

Left: -0.069 ± 0.010 χ^2/NDF : 68.3/46

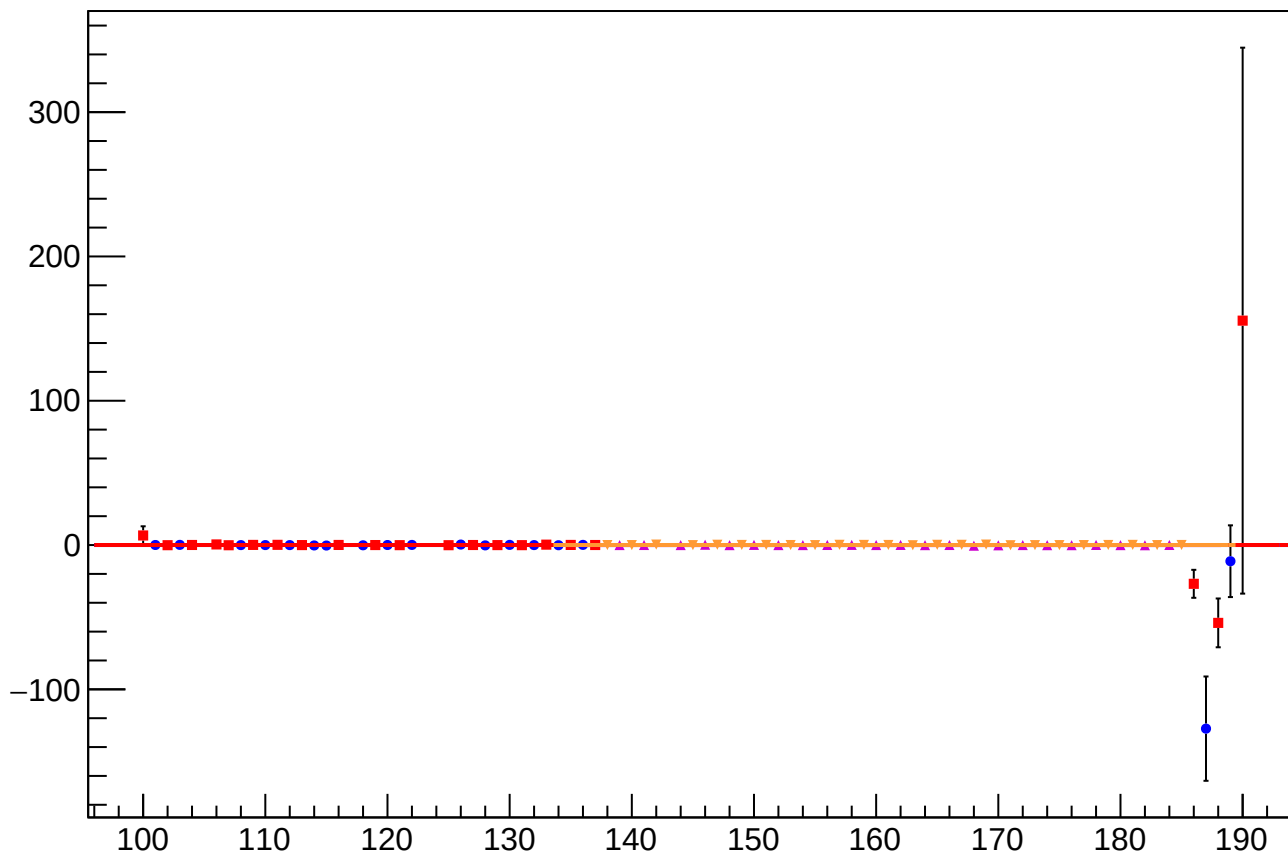
Right: -0.050 ± 0.017 χ^2/NDF : 33.7/38

In: -0.051 ± 0.012 χ^2/NDF : 59.5/40

Out: -0.078 ± 0.012 χ^2/NDF : 41.1/44

All: -0.064 ± 0.009 χ^2/NDF : 102.9/85

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.043 χ^2 /NDF: 22.2/17

Left Out: 0.036 $\pm$ 0.018 χ^2 /NDF:32.4/23

Right Out: 0.029 $\pm$ 0.045 χ^2 /NDF: 27.8/20

Left In: -0.010 $\pm$ 0.018 χ^2 /NDF:37.1/22

Left: 0.013 $\pm$ 0.013 χ^2 /NDF: 72.8/46

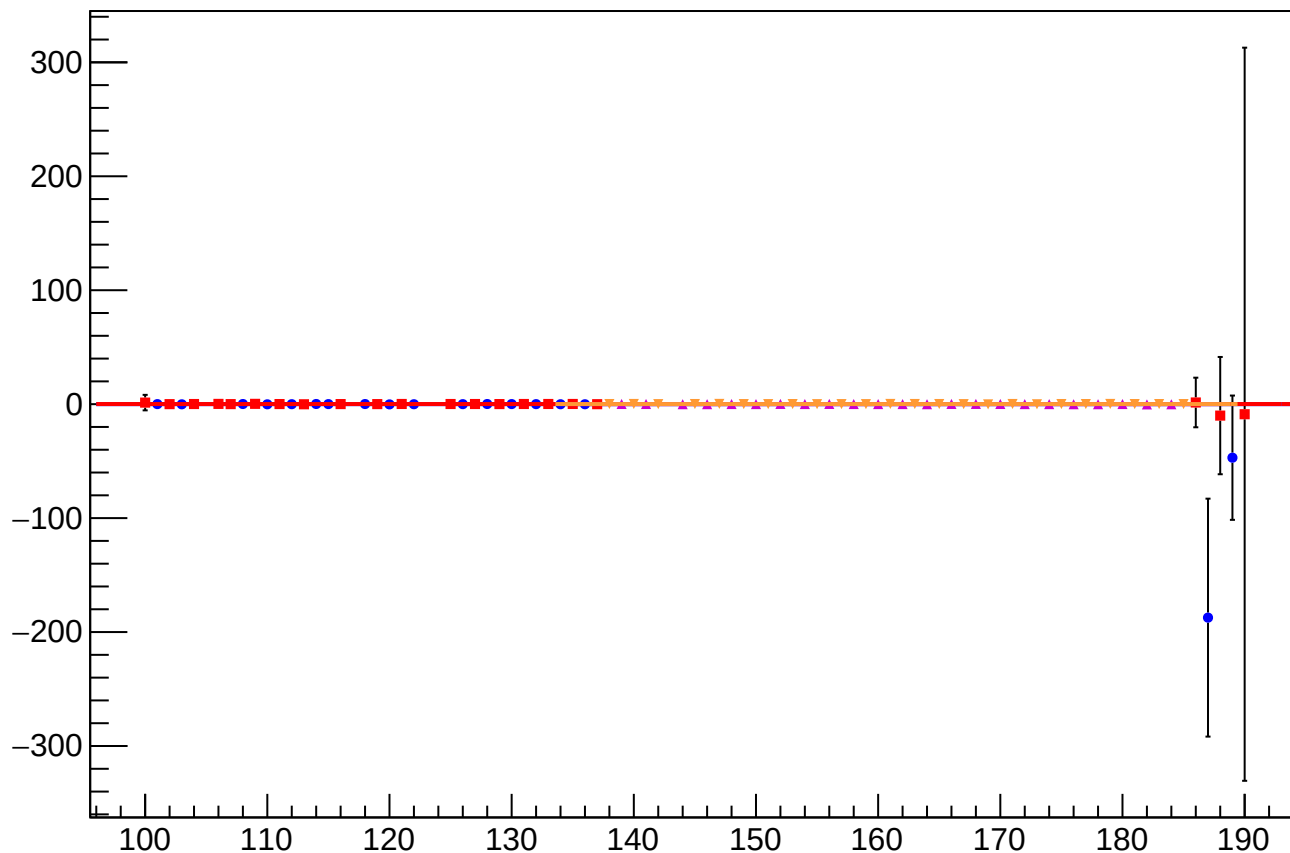
Right: 0.023 $\pm$ 0.031 χ^2 /NDF: 50.0/38

In: -0.006 $\pm$ 0.017 χ^2 /NDF:59.7/40

Out: 0.035 $\pm$ 0.017 χ^2 /NDF:60.2/44

All: 0.014 $\pm$ 0.012 χ^2 /NDF: 122.9/85

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 16.1/17

Left Out: 0.086 $\pm$ 0.016 χ^2 /NDF:27.8/23

Right Out: 0.110 $\pm$ 0.029 χ^2 /NDF: 8.0/20

Left In: 0.071 $\pm$ 0.016 χ^2 /NDF:44.0/22

Left: 0.079 $\pm$ 0.011 χ^2 /NDF: 72.1/46

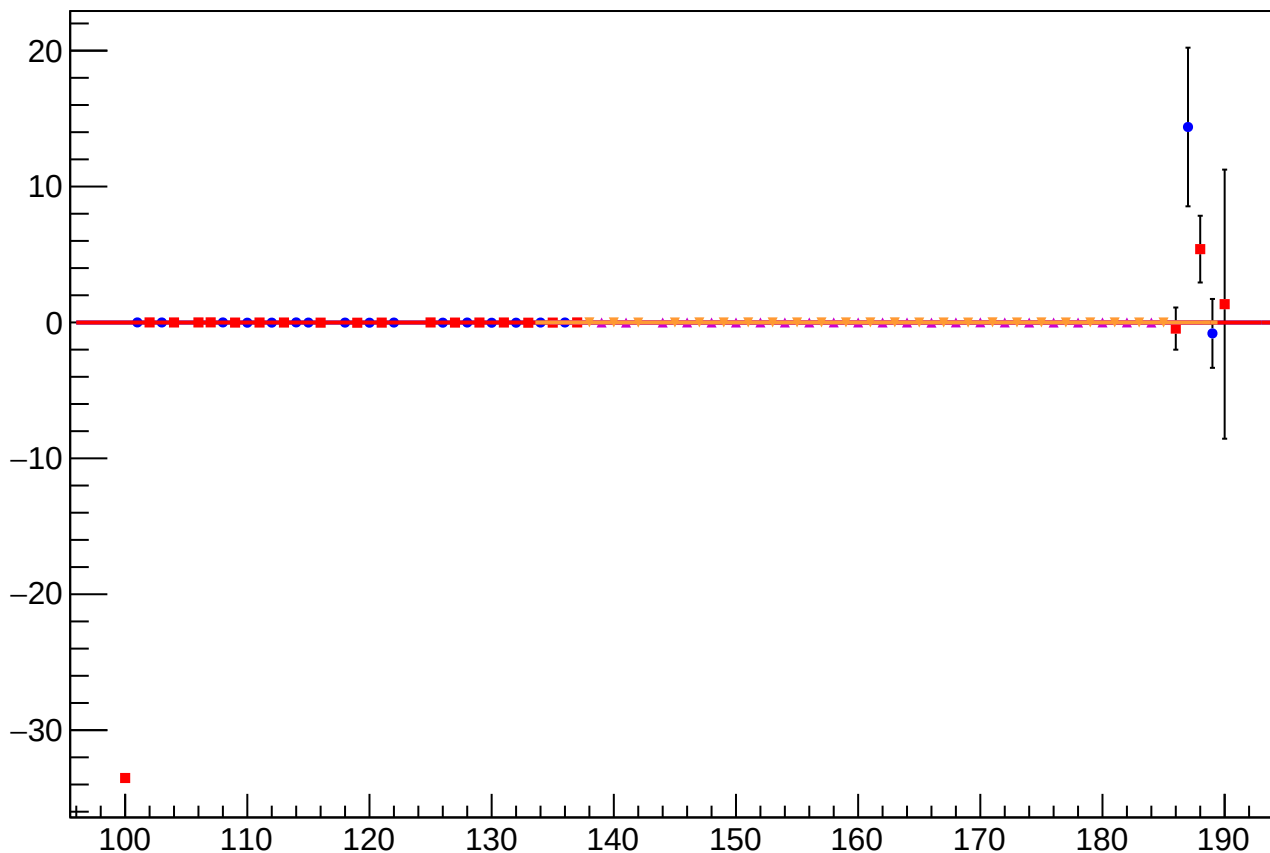
Right: 0.055 $\pm$ 0.020 χ^2 /NDF: 31.0/38

In: 0.054 $\pm$ 0.014 χ^2 /NDF:64.2/40

Out: 0.092 $\pm$ 0.014 χ^2 /NDF:36.3/44

All: 0.073 $\pm$ 0.010 χ^2 /NDF: 104.2/85

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 28.8/17

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.9/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26513.9/20

Left In: 0.000 ± 0.001 χ^2/NDF : 22.4/22

Left: 0.000 ± 0.001 χ^2/NDF : 46.3/46

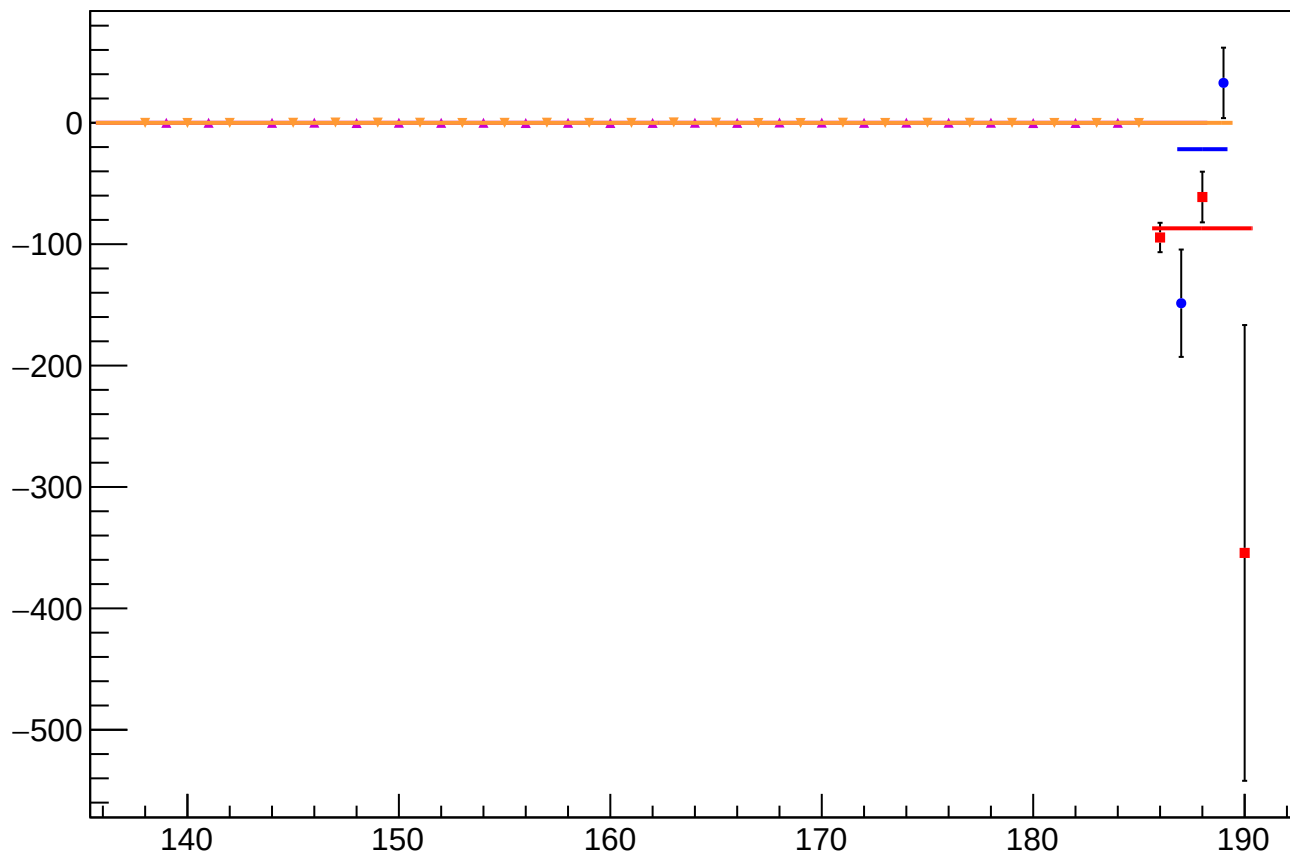
Right: -0.006 ± 0.001 χ^2/NDF : 26542.7/38

In: -0.001 ± 0.001 χ^2/NDF : 63.3/40

Out: -0.001 ± 0.001 χ^2/NDF : 26552.6/44

All: -0.001 ± 0.000 χ^2/NDF : 26615.9/85

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -21.759 ± 24.256 $\chi^2/\text{NDF}: 11.8/1$

Left Out: -0.052 ± 0.018 $\chi^2/\text{NDF}: 37.3/23$

Right Out: -86.935 ± 10.450 $\chi^2/\text{NDF}: 3.9/2$

Left In: -0.010 ± 0.018 $\chi^2/\text{NDF}: 33.3/22$

Left: -0.031 ± 0.013 $\chi^2/\text{NDF}: 73.3/46$

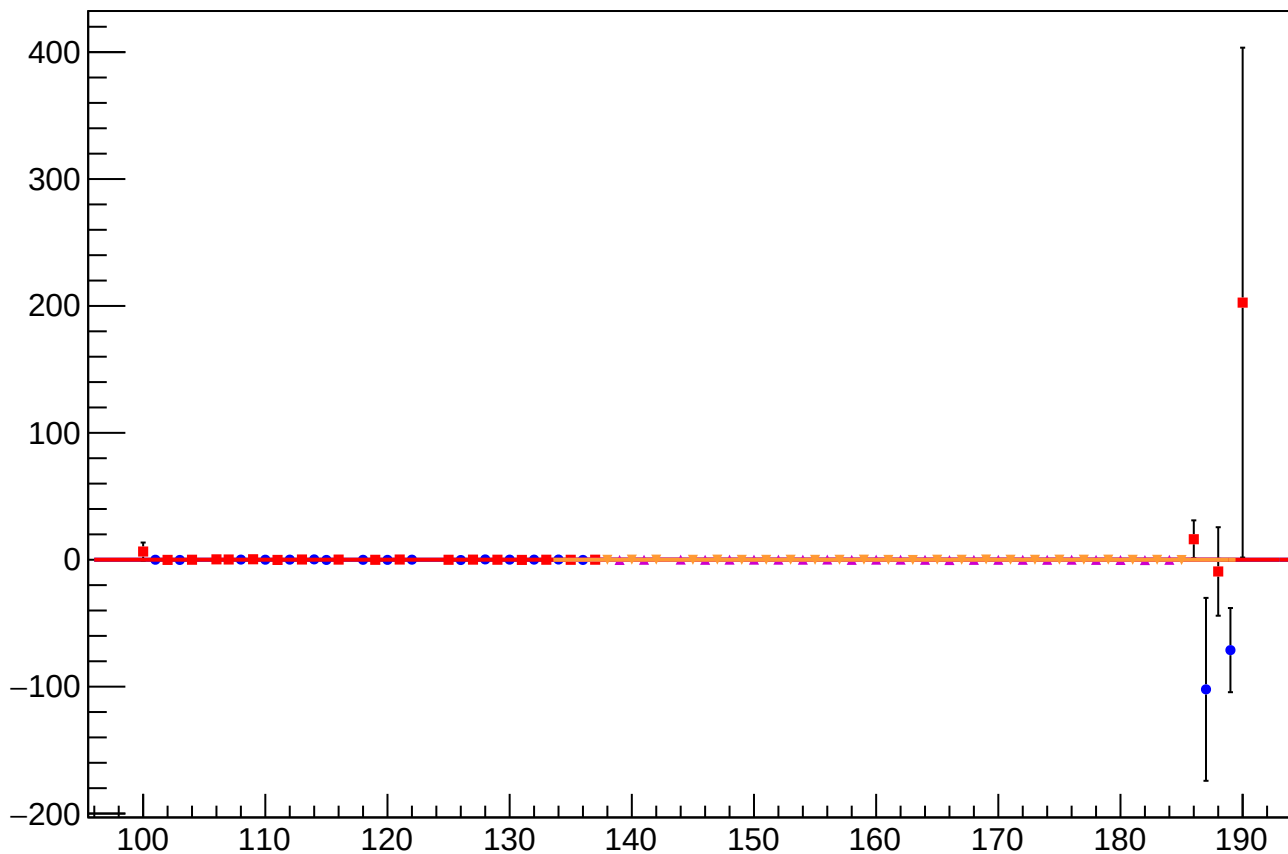
Right: -76.732 ± 9.597 $\chi^2/\text{NDF}: 21.8/4$

In: -0.010 ± 0.018 $\chi^2/\text{NDF}: 45.9/24$

Out: -0.052 ± 0.018 $\chi^2/\text{NDF}: 110.4/26$

All: -0.031 ± 0.013 $\chi^2/\text{NDF}: 159.0/51$

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.023 χ^2/NDF : 32.1/17

Left Out: -0.010 $\pm$ 0.014 χ^2/NDF : 29.5/23

Right Out: 0.040 $\pm$ 0.025 χ^2/NDF : 30.2/20

Left In: 0.004 $\pm$ 0.014 χ^2/NDF : 50.3/22

Left: -0.003 $\pm$ 0.010 χ^2/NDF : 80.2/46

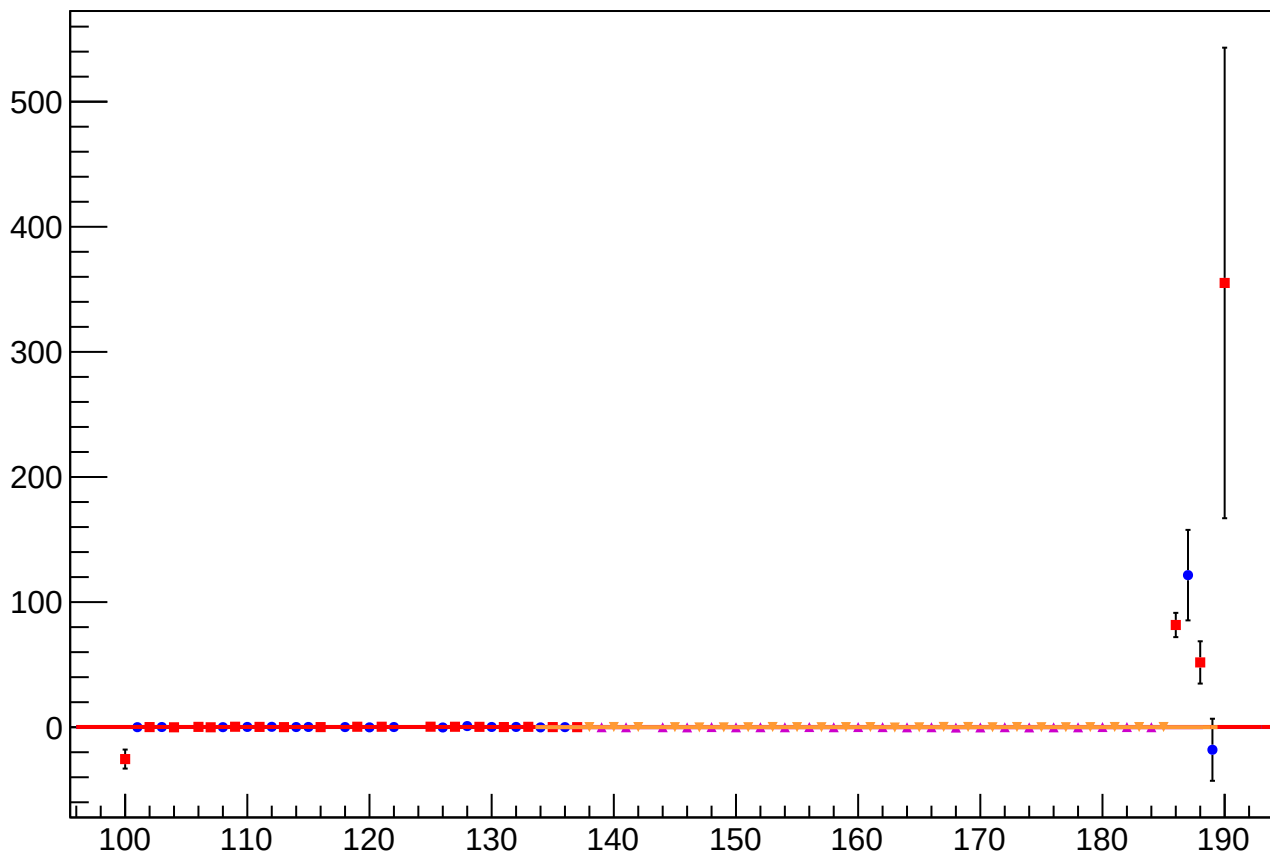
Right: 0.024 $\pm$ 0.017 χ^2/NDF : 63.0/38

In: 0.006 $\pm$ 0.012 χ^2/NDF : 82.4/40

Out: 0.002 $\pm$ 0.012 χ^2/NDF : 62.8/44

All: 0.004 $\pm$ 0.009 χ^2/NDF : 145.2/85

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.152 $\pm$ 0.043 χ^2 /NDF: 40.5/17

Left Out: 0.048 $\pm$ 0.018 χ^2 /NDF:35.4/23

Right Out: 0.203 $\pm$ 0.045 χ^2 /NDF: 106.4/20

Left In: 0.021 $\pm$ 0.018 χ^2 /NDF:34.0/22

Left: 0.034 $\pm$ 0.013 χ^2 /NDF: 70.5/46

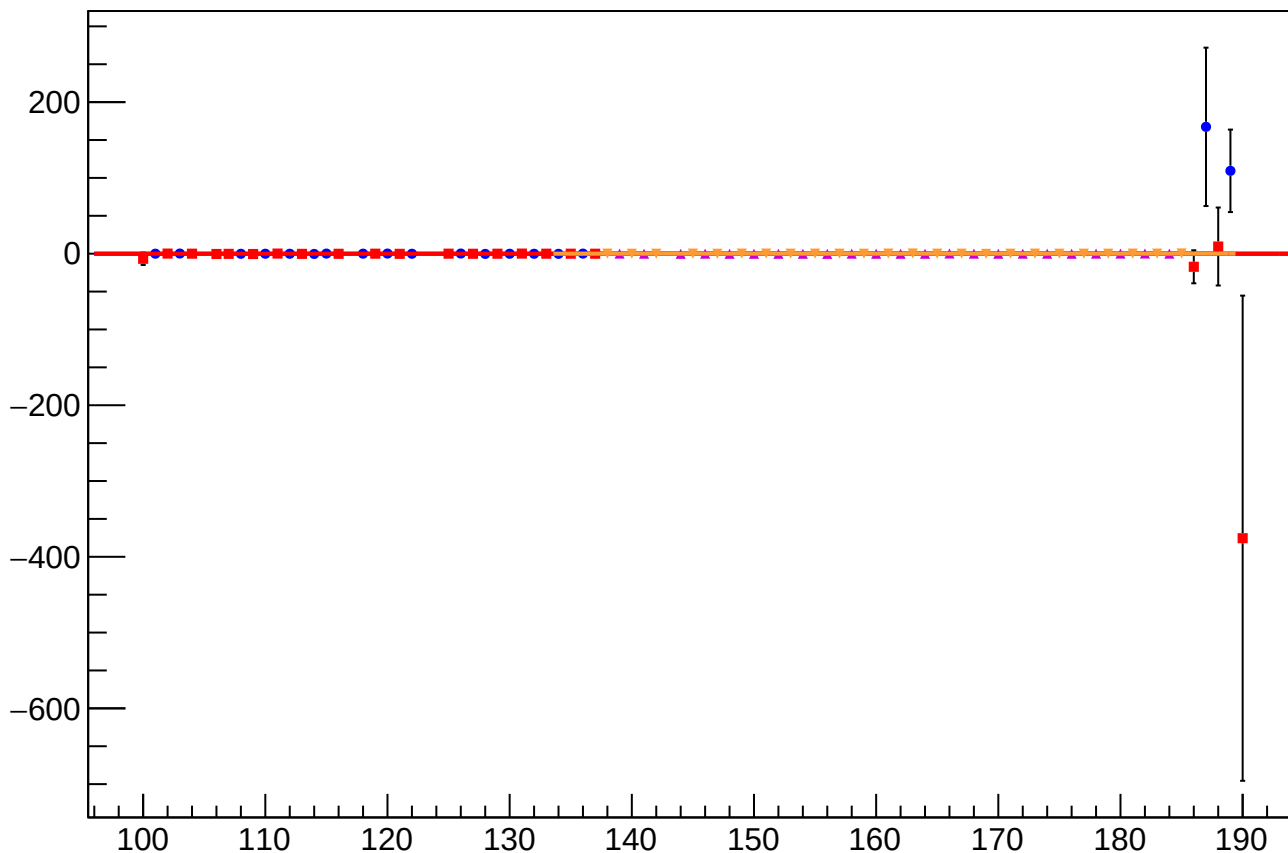
Right: 0.176 $\pm$ 0.031 χ^2 /NDF: 147.6/38

In: 0.041 $\pm$ 0.017 χ^2 /NDF:82.5/40

Out: 0.069 $\pm$ 0.017 χ^2 /NDF:152.0/44

All: 0.055 $\pm$ 0.012 χ^2 /NDF: 235.9/85

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.014 ± 0.027 χ^2/NDF : 31.8/17

Left Out: 0.021 ± 0.016 χ^2/NDF : 33.2/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 27.8/20

Left In: 0.007 ± 0.016 χ^2/NDF : 50.7/22

Left: 0.014 ± 0.011 χ^2/NDF : 84.2/46

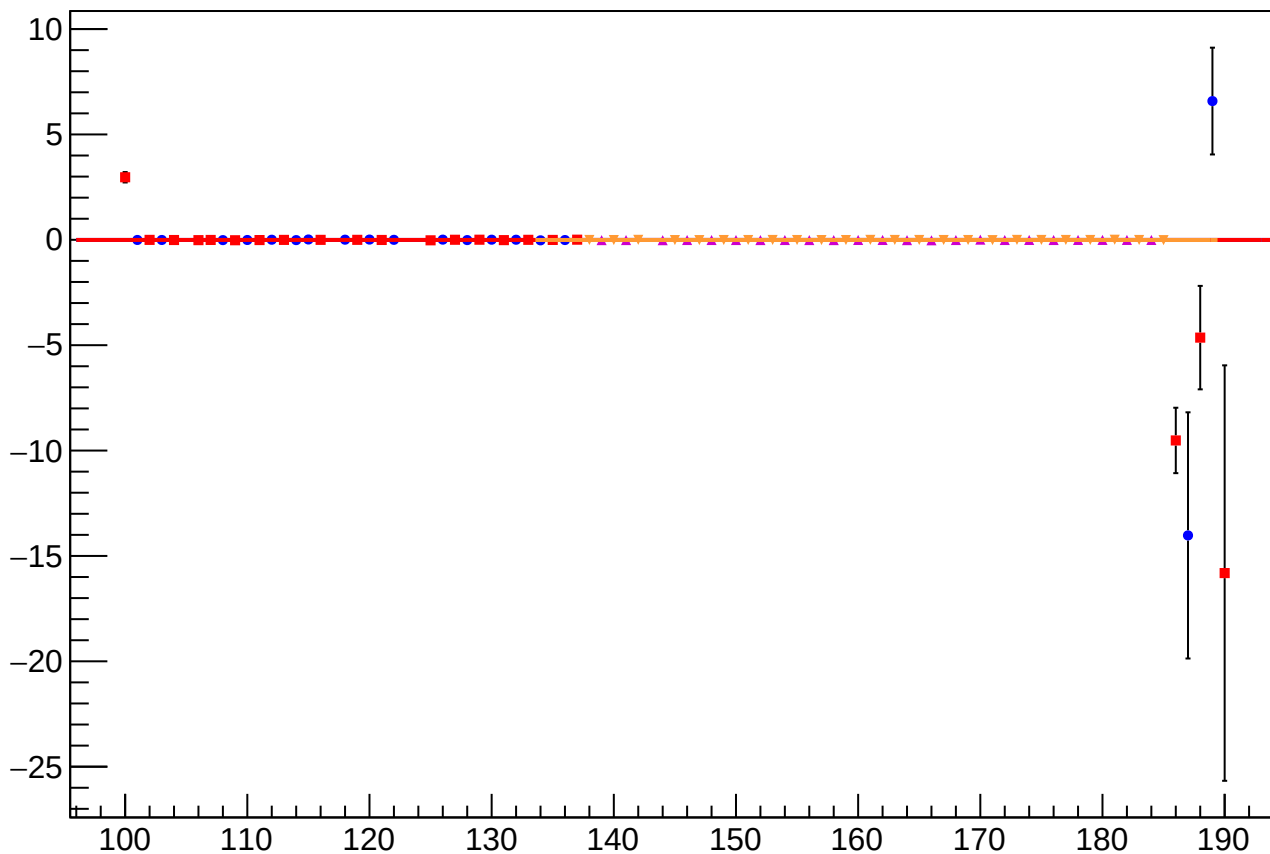
Right: -0.031 ± 0.020 χ^2/NDF : 60.4/38

In: 0.002 ± 0.014 χ^2/NDF : 82.9/40

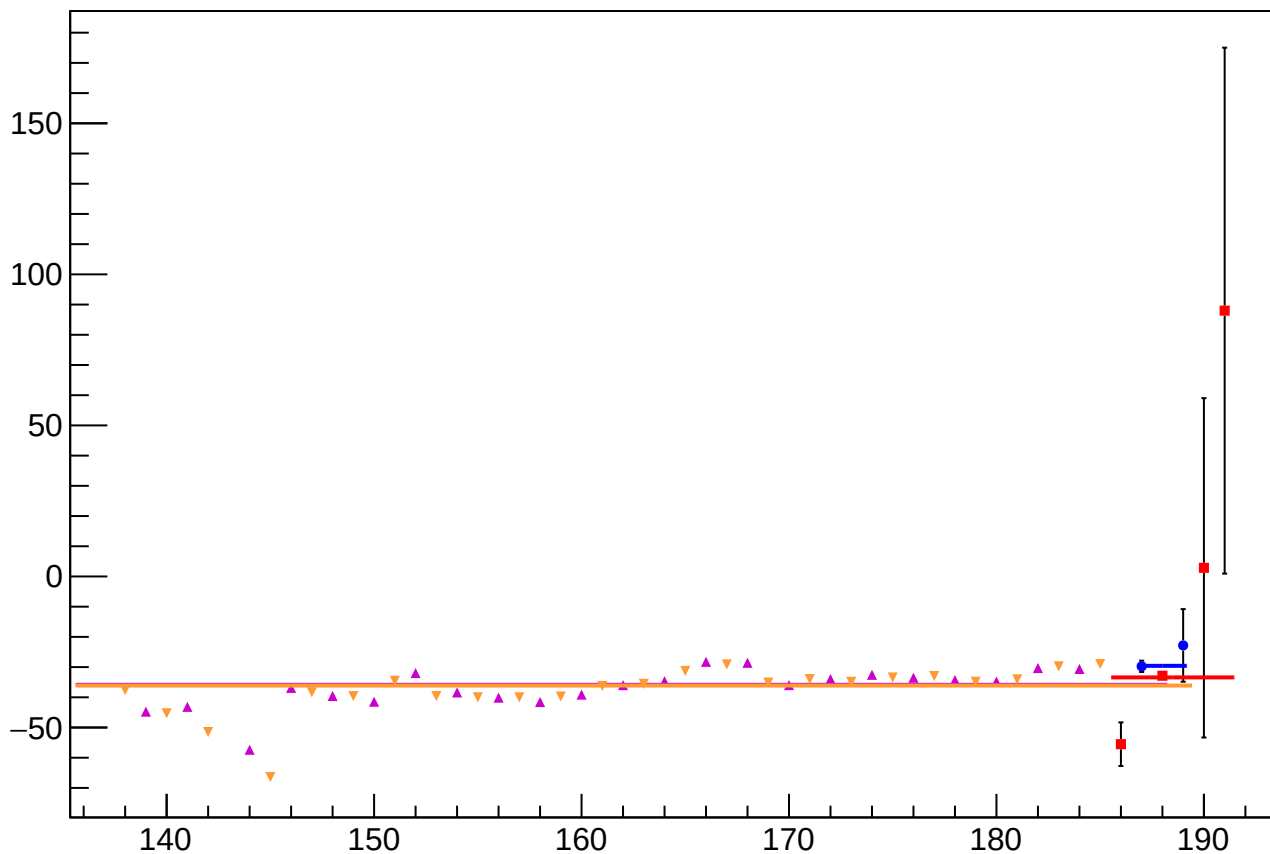
Out: 0.004 ± 0.014 χ^2/NDF : 65.6/44

All: 0.003 ± 0.010 χ^2/NDF : 148.5/85

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -29.583 $\pm$ 1.853 χ^2 /NDF: 0.3/1

Left Out: -36.110 $\pm$ 0.192 χ^2 /NDF:1118.4/23

Right Out: -33.413 $\pm$ 1.164 χ^2 /NDF: 12.0/3

Left In: -35.869 $\pm$ 0.191 χ^2 /NDF:887.1/22

Left: -35.989 $\pm$ 0.135 χ^2 /NDF: 2006.3/46

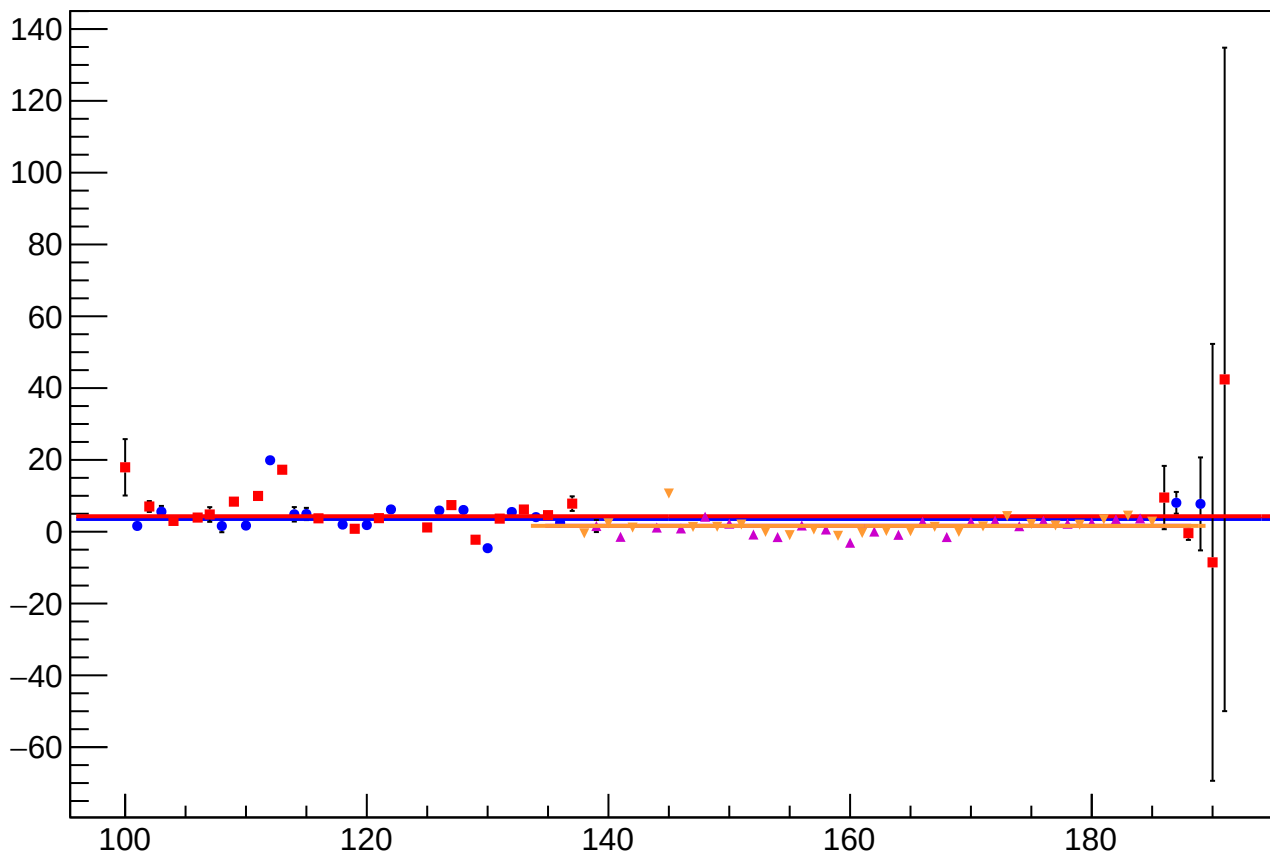
Right: -32.329 $\pm$ 0.986 χ^2 /NDF: 15.3/5

In: -35.803 $\pm$ 0.190 χ^2 /NDF:898.8/24

Out: -36.039 $\pm$ 0.189 χ^2 /NDF:1135.6/27

All: -35.921 $\pm$ 0.134 χ^2 /NDF: 2035.2/52

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.554+/-0.217 χ^2/NDF : 448.9/17

Left Out: 1.632+/-0.148 χ^2/NDF :166.7/23

Right Out: 4.305+/-0.224 χ^2/NDF : 360.8/21

Left In: 1.646+/-0.149 χ^2/NDF :164.1/22

Left: 1.639+/-0.105 χ^2/NDF : 330.7/46

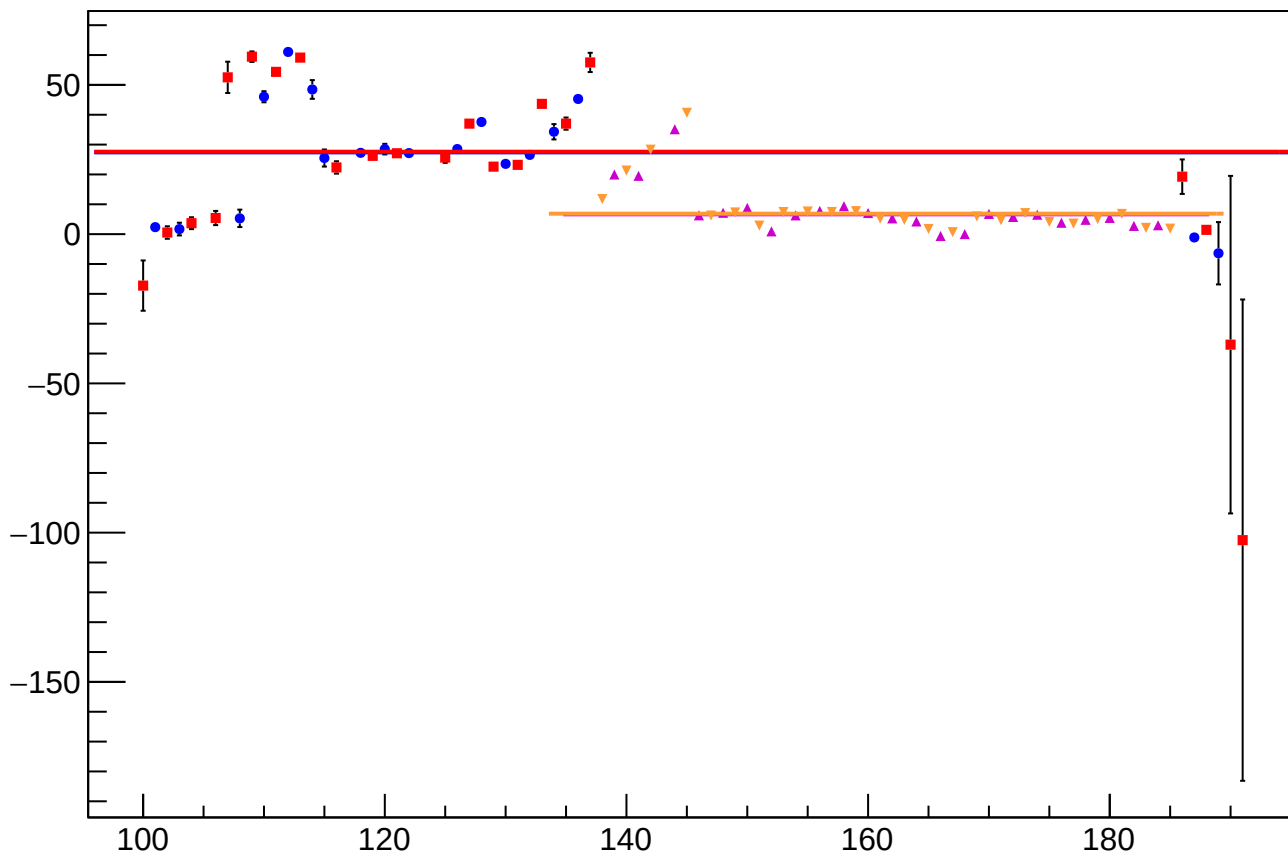
Right: 3.918+/-0.156 χ^2/NDF : 815.5/39

In: 2.259+/-0.123 χ^2/NDF :665.6/40

Out: 2.444+/-0.123 χ^2/NDF :626.8/45

All: 2.351+/-0.087 χ^2/NDF : 1293.6/86

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.395+/-0.402 χ^2/NDF : 1874.0/17

Left Out: 6.855+/-0.191 χ^2/NDF : 1298.7/23

Right Out: 27.618+/-0.386 χ^2/NDF : 2569.8/21

Left In: 6.639+/-0.190 χ^2/NDF : 1077.2/22

Left: 6.746+/-0.135 χ^2/NDF : 2376.6/46

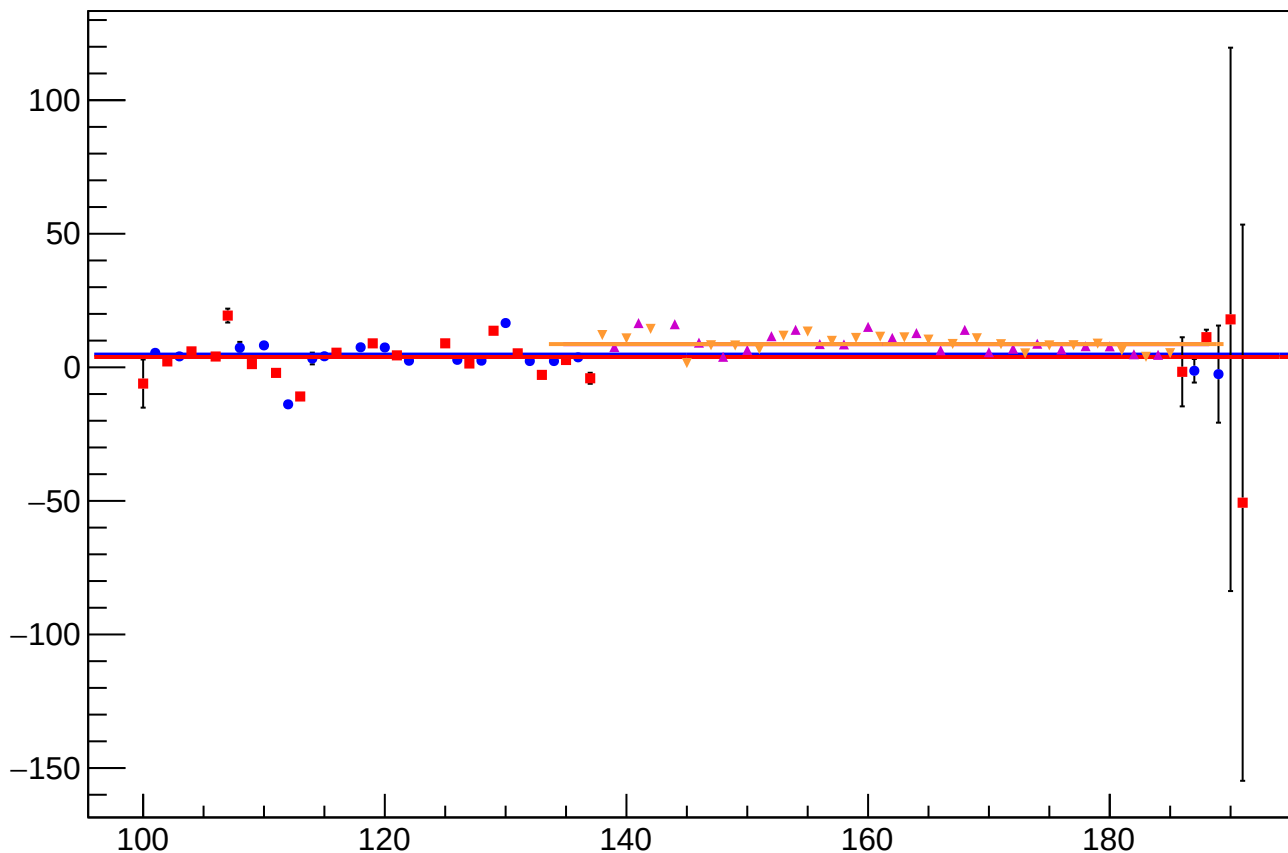
Right: 27.511+/-0.278 χ^2/NDF : 4444.0/39

In: 10.421+/-0.172 χ^2/NDF : 5131.4/40

Out: 10.957+/-0.171 χ^2/NDF : 6194.1/45

All: 10.689+/-0.121 χ^2/NDF : 11330.3/86

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.768 $\pm$ 0.251 χ^2 /NDF: 556.0/17

Left Out: 8.697 $\pm$ 0.169 χ^2 /NDF:241.1/23

Right Out: 3.870 $\pm$ 0.258 χ^2 /NDF: 575.1/21

Left In: 8.659 $\pm$ 0.170 χ^2 /NDF:438.0/22

Left: 8.678 $\pm$ 0.120 χ^2 /NDF: 679.2/46

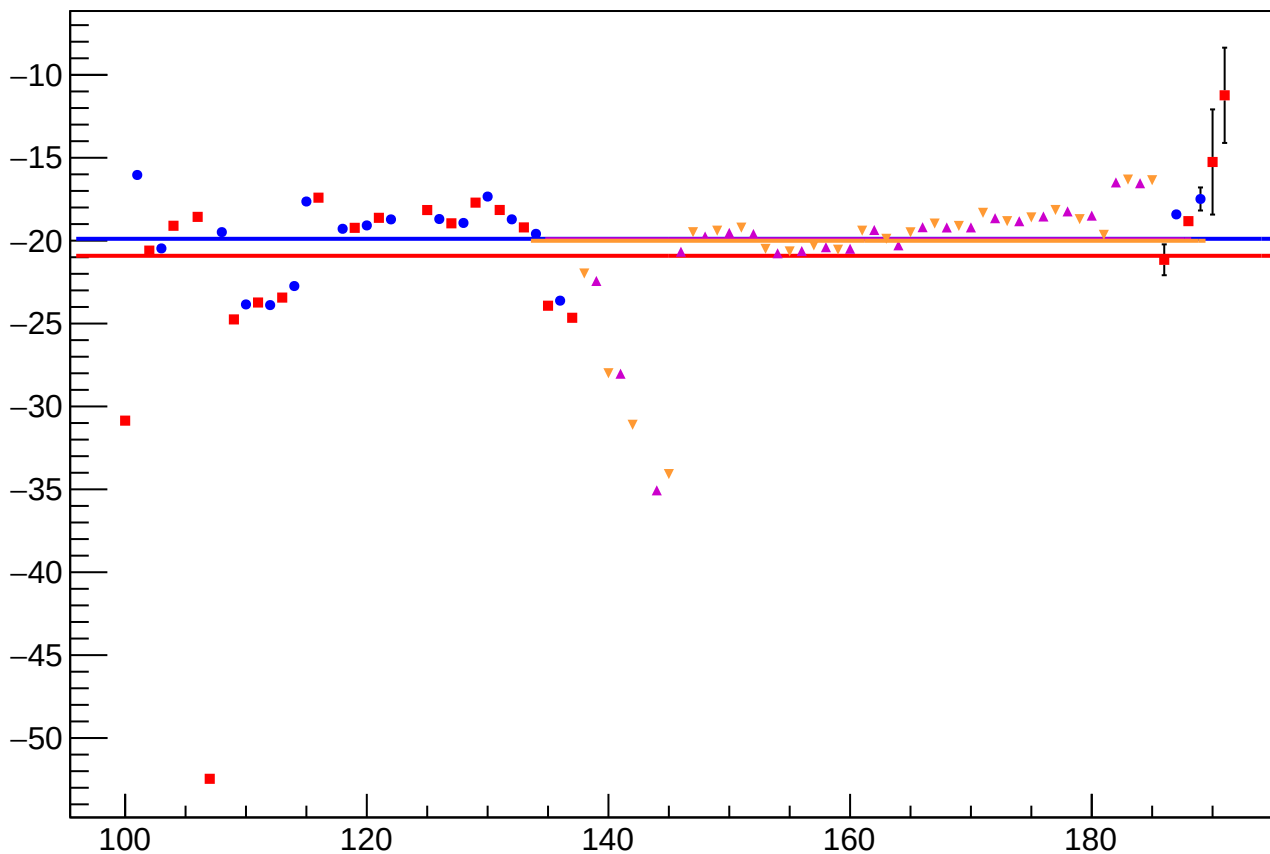
Right: 4.331 $\pm$ 0.180 χ^2 /NDF: 1137.4/39

In: 7.437 $\pm$ 0.141 χ^2 /NDF:1159.1/40

Out: 7.246 $\pm$ 0.141 χ^2 /NDF:1061.6/45

All: 7.342 $\pm$ 0.100 χ^2 /NDF: 2221.7/86

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.888 ± 0.016 χ^2/NDF : 26120.9/17

Left Out: -20.007 ± 0.008 χ^2/NDF : 171647.2/23

Right Out: -20.913 ± 0.016 χ^2/NDF : 94294.1/21

Left In: -19.912 ± 0.008 χ^2/NDF : 145487.3/22

Left: -19.959 ± 0.006 χ^2/NDF : 317207.1/46

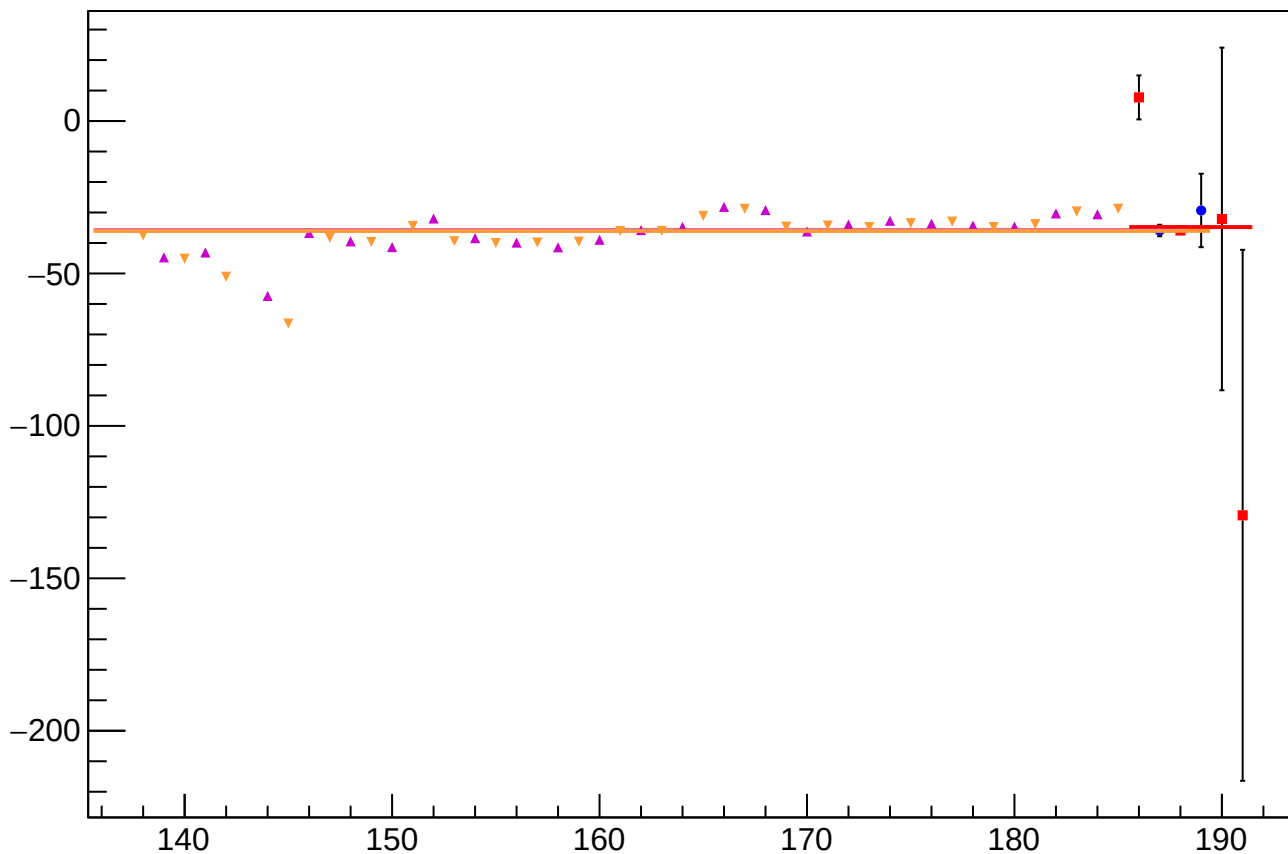
Right: -20.398 ± 0.011 χ^2/NDF : 122580.7/39

In: -19.907 ± 0.007 χ^2/NDF : 171610.2/40

Out: -20.191 ± 0.007 χ^2/NDF : 268624.8/45

All: -20.048 ± 0.005 χ^2/NDF : 441054.9/86

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -35.749 ± 1.859 χ^2/NDF : 0.3/1

Left Out: -36.019 ± 0.192 χ^2/NDF : 1125.4/23

Right Out: -34.778 ± 1.167 χ^2/NDF : 36.9/3

Left In: -35.856 ± 0.191 χ^2/NDF : 875.9/22

Left: -35.937 ± 0.135 χ^2/NDF : 2001.6/46

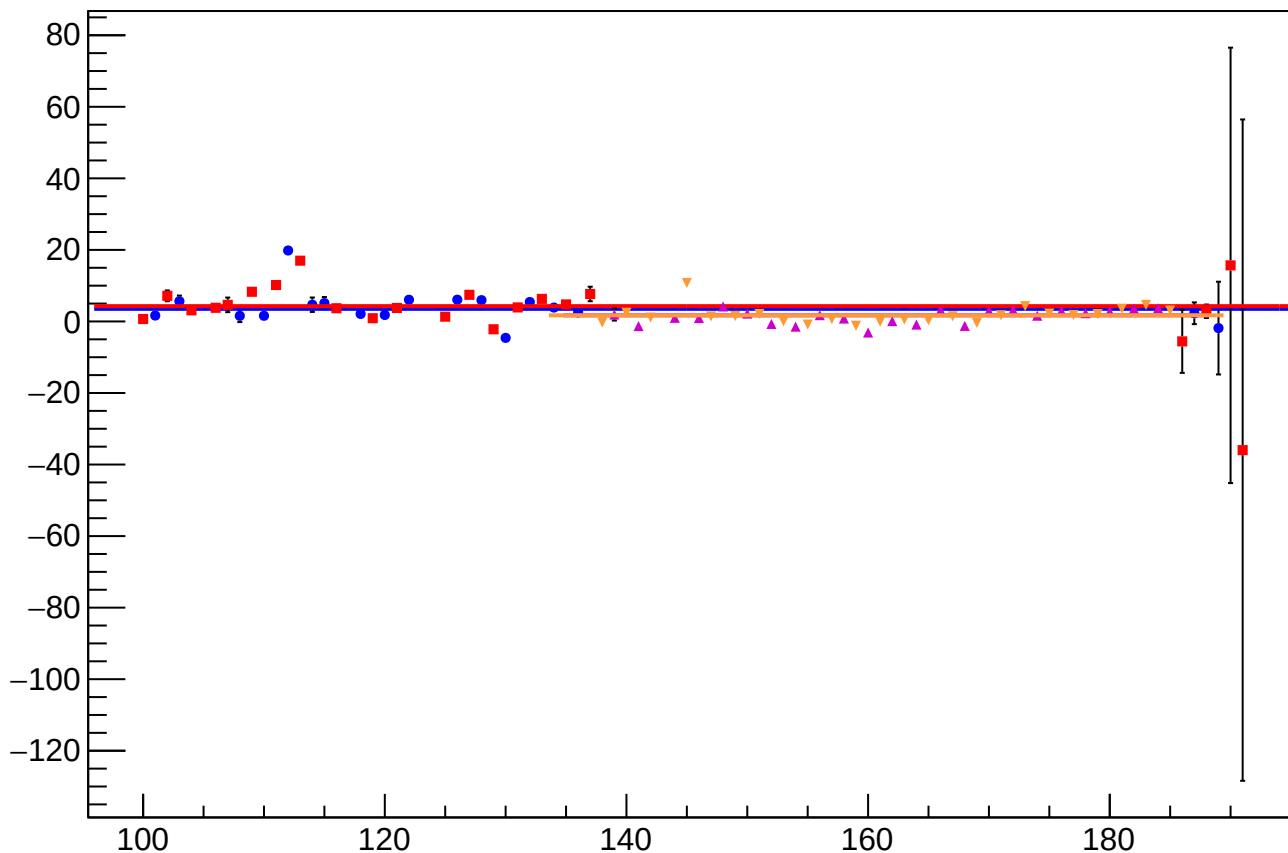
Right: -35.053 ± 0.988 χ^2/NDF : 37.4/5

In: -35.855 ± 0.190 χ^2/NDF : 876.2/24

Out: -35.986 ± 0.189 χ^2/NDF : 1163.4/27

All: -35.921 ± 0.134 χ^2/NDF : 2039.8/52

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.525 $\pm$ 0.217 χ^2 /NDF: 443.6/17

Left Out: 1.721 $\pm$ 0.148 χ^2 /NDF:168.3/23

Right Out: 4.277 $\pm$ 0.220 χ^2 /NDF: 354.9/21

Left In: 1.712 $\pm$ 0.149 χ^2 /NDF:164.1/22

Left: 1.717 $\pm$ 0.105 χ^2 /NDF: 332.4/46

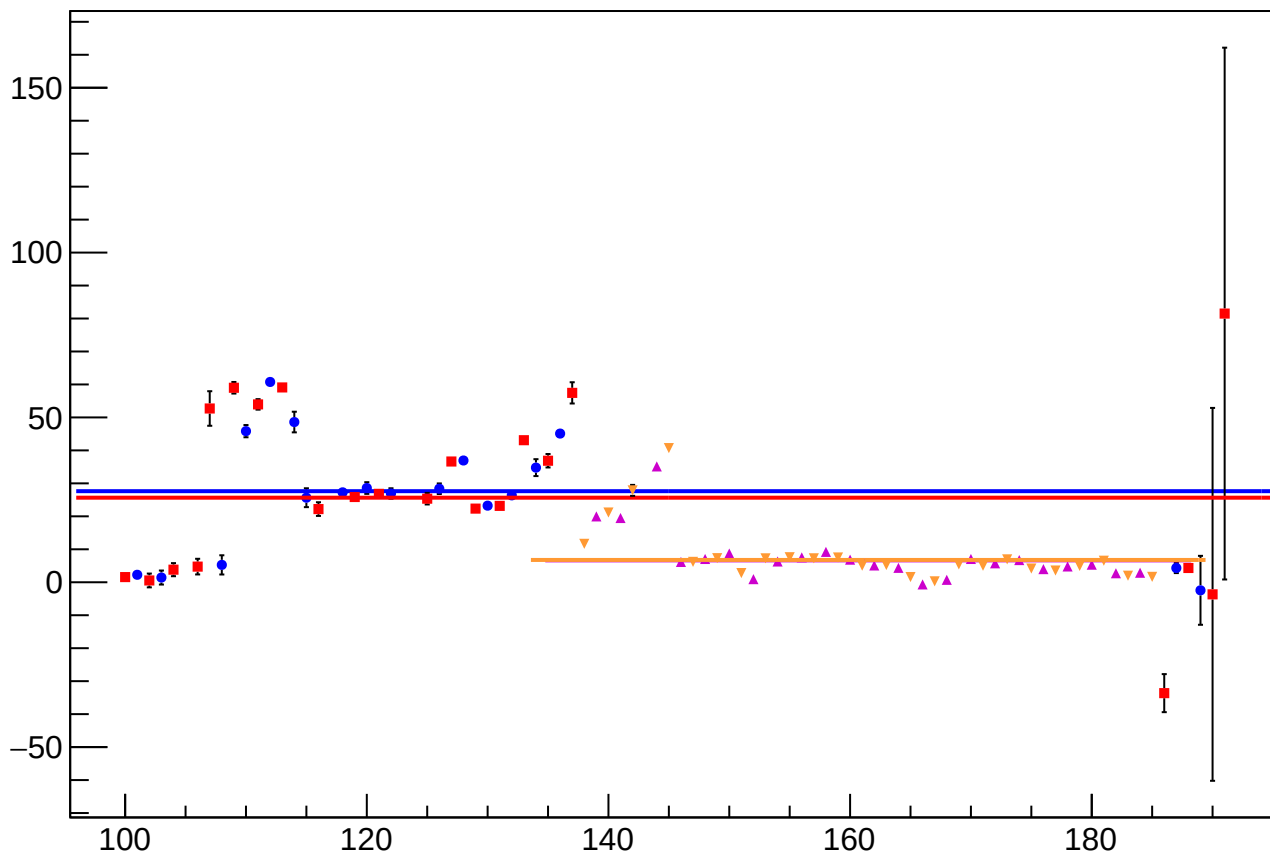
Right: 3.895 $\pm$ 0.154 χ^2 /NDF: 804.4/39

In: 2.295 $\pm$ 0.123 χ^2 /NDF:655.2/40

Out: 2.515 $\pm$ 0.123 χ^2 /NDF:616.2/45

All: 2.405 $\pm$ 0.087 χ^2 /NDF: 1273.0/86

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.628 ± 0.402 χ^2/NDF : 1741.5/17

Left Out: 6.767 ± 0.191 χ^2/NDF : 1301.2/23

Right Out: 25.654 ± 0.370 χ^2/NDF : 2835.1/21

Left In: 6.635 ± 0.190 χ^2/NDF : 1070.4/22

Left: 6.700 ± 0.135 χ^2/NDF : 2371.9/46

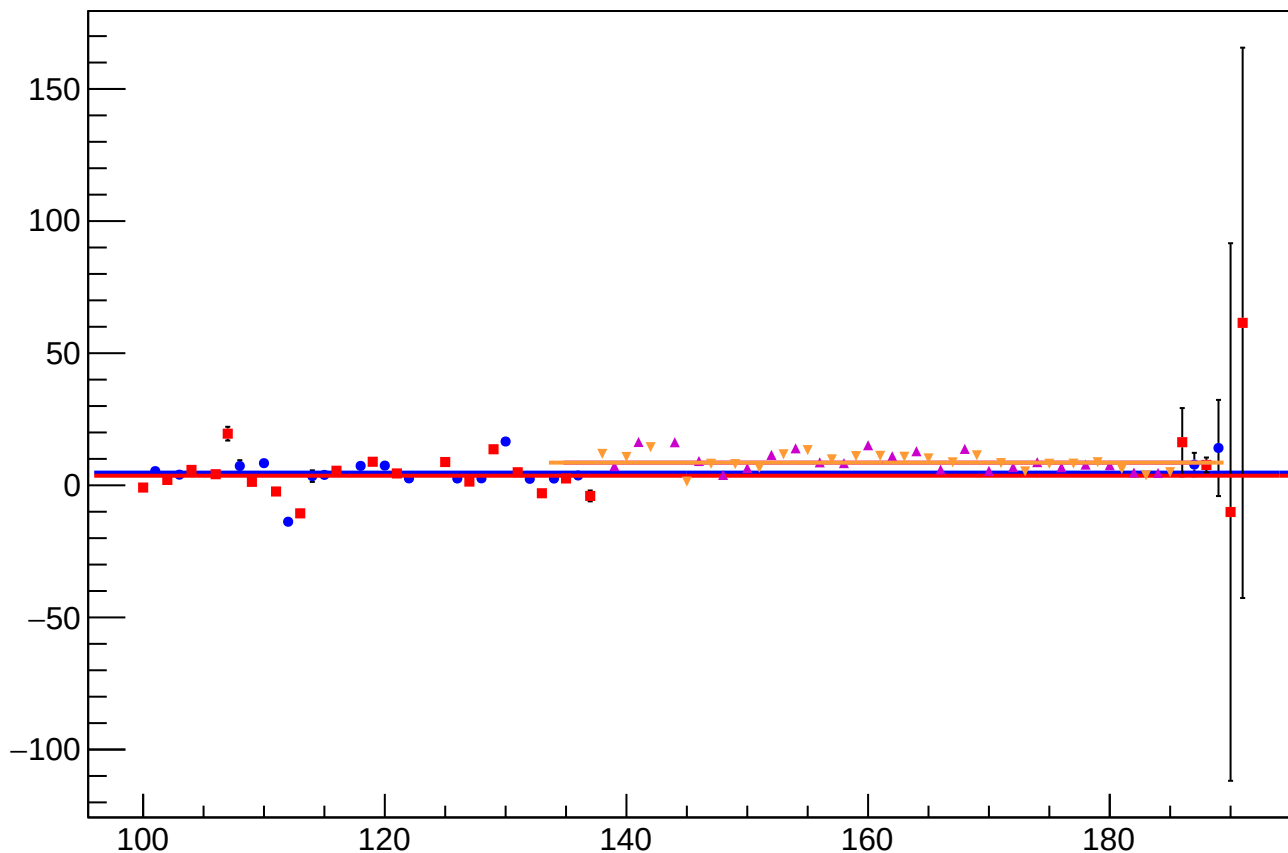
Right: 26.560 ± 0.272 χ^2/NDF : 4589.7/39

In: 10.459 ± 0.172 χ^2/NDF : 5044.1/40

Out: 10.747 ± 0.170 χ^2/NDF : 6191.0/45

All: 10.604 ± 0.121 χ^2/NDF : 11236.5/86

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.805 $\pm$ 0.251 χ^2 /NDF: 550.7/17

Left Out: 8.588 $\pm$ 0.169 χ^2 /NDF:245.6/23

Right Out: 3.630 $\pm$ 0.253 χ^2 /NDF: 576.8/21

Left In: 8.573 $\pm$ 0.170 χ^2 /NDF:443.4/22

Left: 8.581 $\pm$ 0.120 χ^2 /NDF: 689.0/46

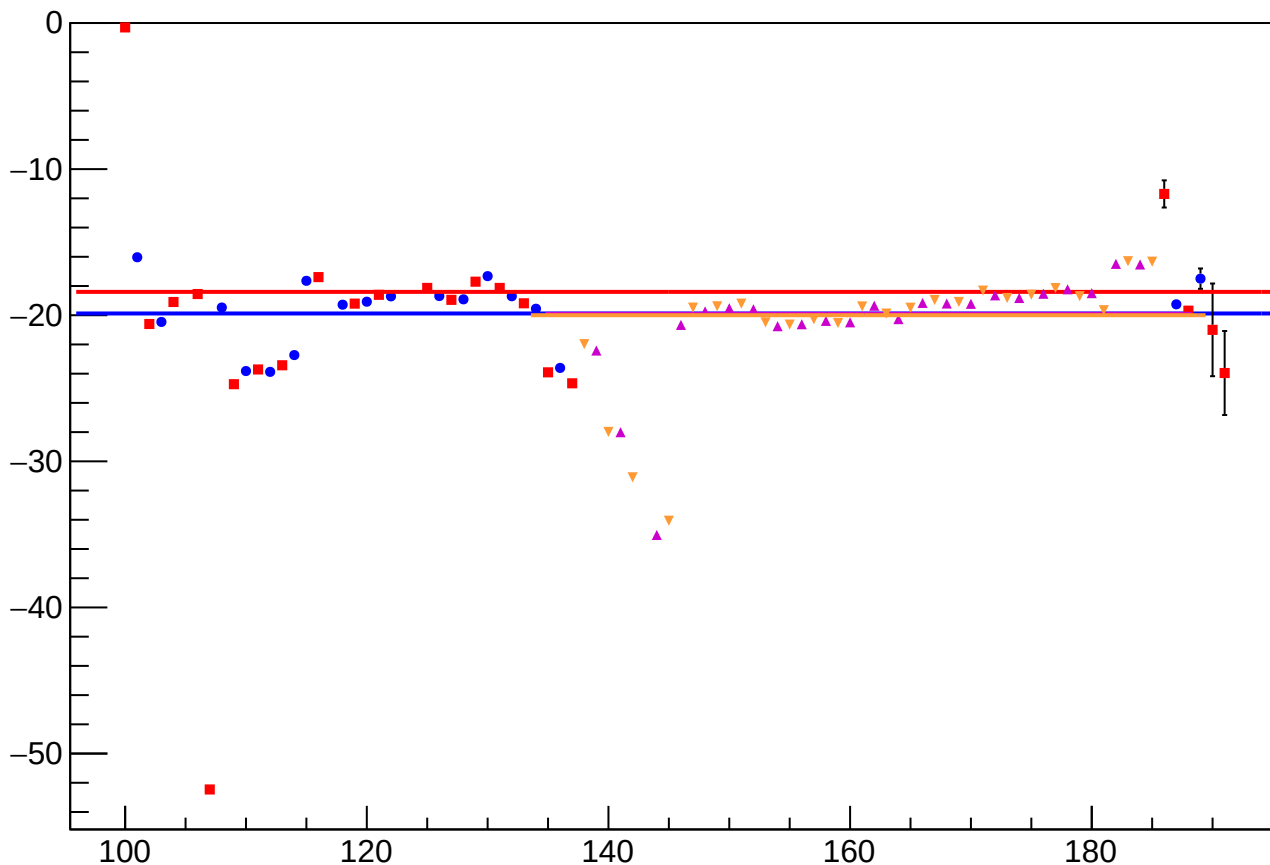
Right: 4.224 $\pm$ 0.178 χ^2 /NDF: 1138.3/39

In: 7.389 $\pm$ 0.140 χ^2 /NDF:1149.1/40

Out: 7.064 $\pm$ 0.141 χ^2 /NDF:1087.6/45

All: 7.227 $\pm$ 0.099 χ^2 /NDF: 2239.3/86

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.880 $\pm$ 0.016 χ^2 /NDF: 26081.6/17

Left Out: -19.999 $\pm$ 0.008 χ^2 /NDF: 171834.0/23

Right Out: -18.402 $\pm$ 0.015 χ^2 /NDF: 301384.4/21

Left In: -19.905 $\pm$ 0.008 χ^2 /NDF: 145346.7/22

Left: -19.951 $\pm$ 0.006 χ^2 /NDF: 317253.3/46

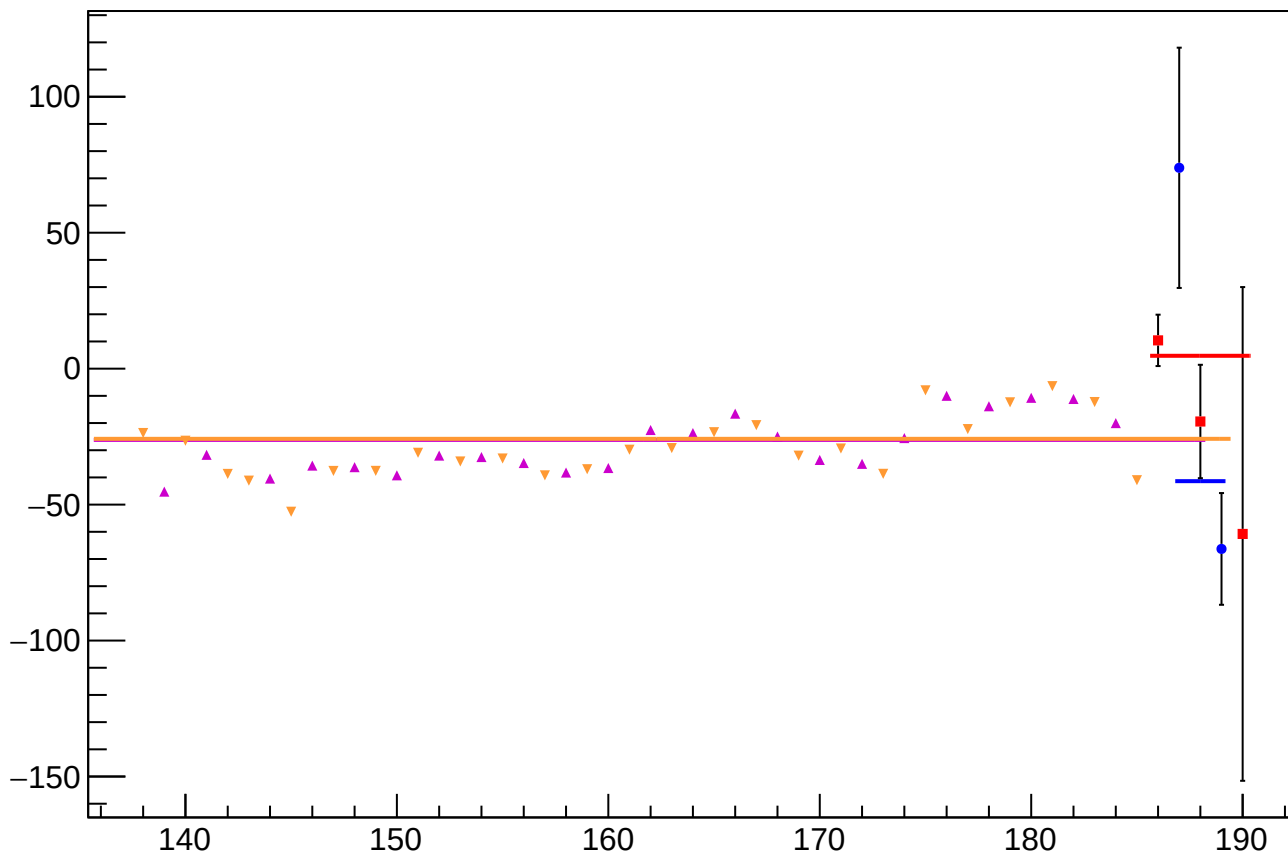
Right: -19.098 $\pm$ 0.011 χ^2 /NDF: 332256.8/39

In: -19.900 $\pm$ 0.007 χ^2 /NDF: 171430.3/40

Out: -19.640 $\pm$ 0.007 χ^2 /NDF: 482425.9/45

All: -19.769 $\pm$ 0.005 χ^2 /NDF: 654549.0/86

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected

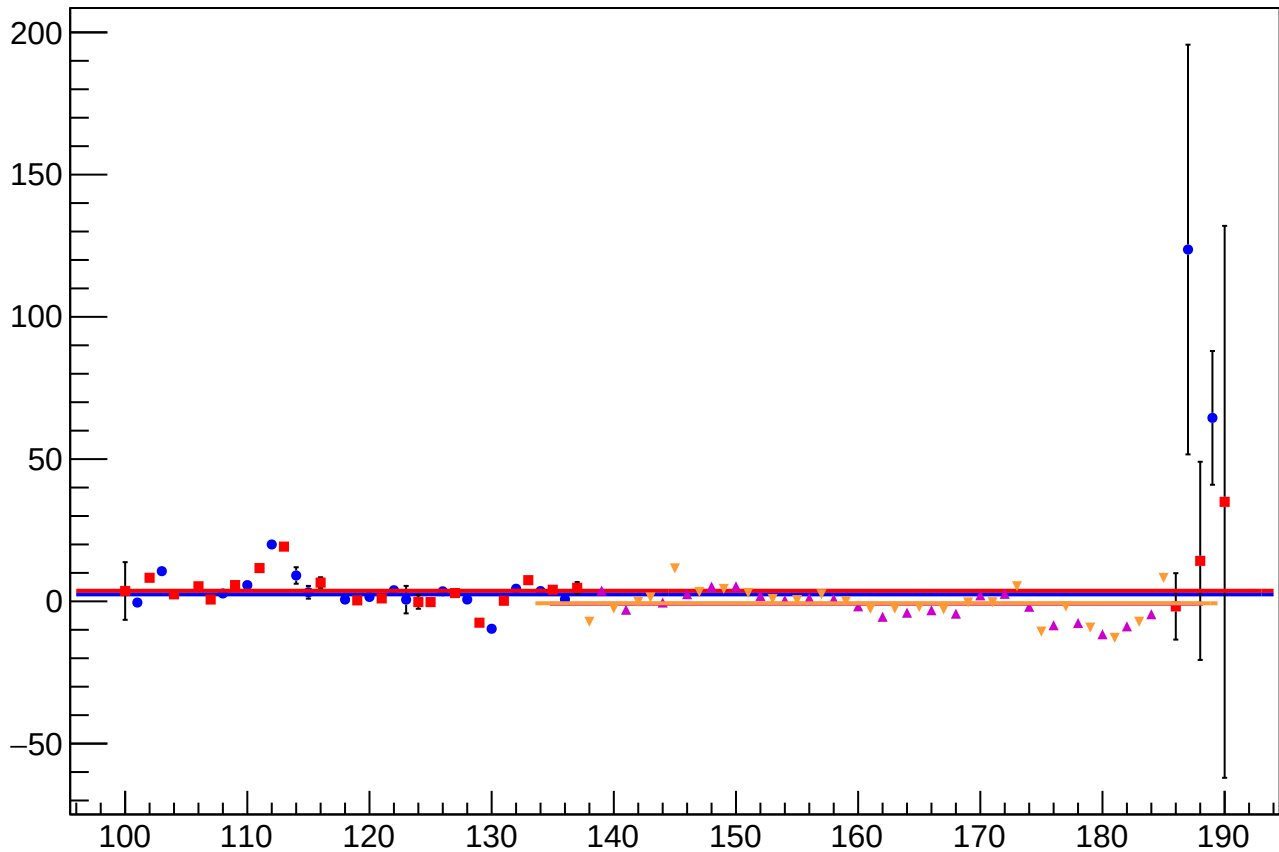


Right In: -41.374 ± 18.631 χ^2/NDF : 8.3/1
 Left Out: -25.804 ± 0.192 χ^2/NDF : 4127.8/24
 Right Out: 4.735 ± 8.567 χ^2/NDF : 2.2/2
 Left In: -26.204 ± 0.194 χ^2/NDF : 3377.8/22

Left: -26.002 ± 0.137 χ^2/NDF : 7507.7/47
 Right: -3.313 ± 7.783 χ^2/NDF : 15.6/4
 In: -26.205 ± 0.194 χ^2/NDF : 3386.7/24
 Out: -25.789 ± 0.192 χ^2/NDF : 4142.7/27

All: -25.995 ± 0.137 χ^2/NDF : 7531.7/52

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.457 ± 0.311 $\chi^2/\text{NDF}: 305.1/18$

Left Out: -0.681 ± 0.147 $\chi^2/\text{NDF}: 1314.3/24$

Right Out: 3.723 ± 0.327 $\chi^2/\text{NDF}: 269.5/21$

Left In: -0.842 ± 0.150 $\chi^2/\text{NDF}: 1071.6/22$

Left: -0.760 ± 0.105 $\chi^2/\text{NDF}: 2386.5/47$

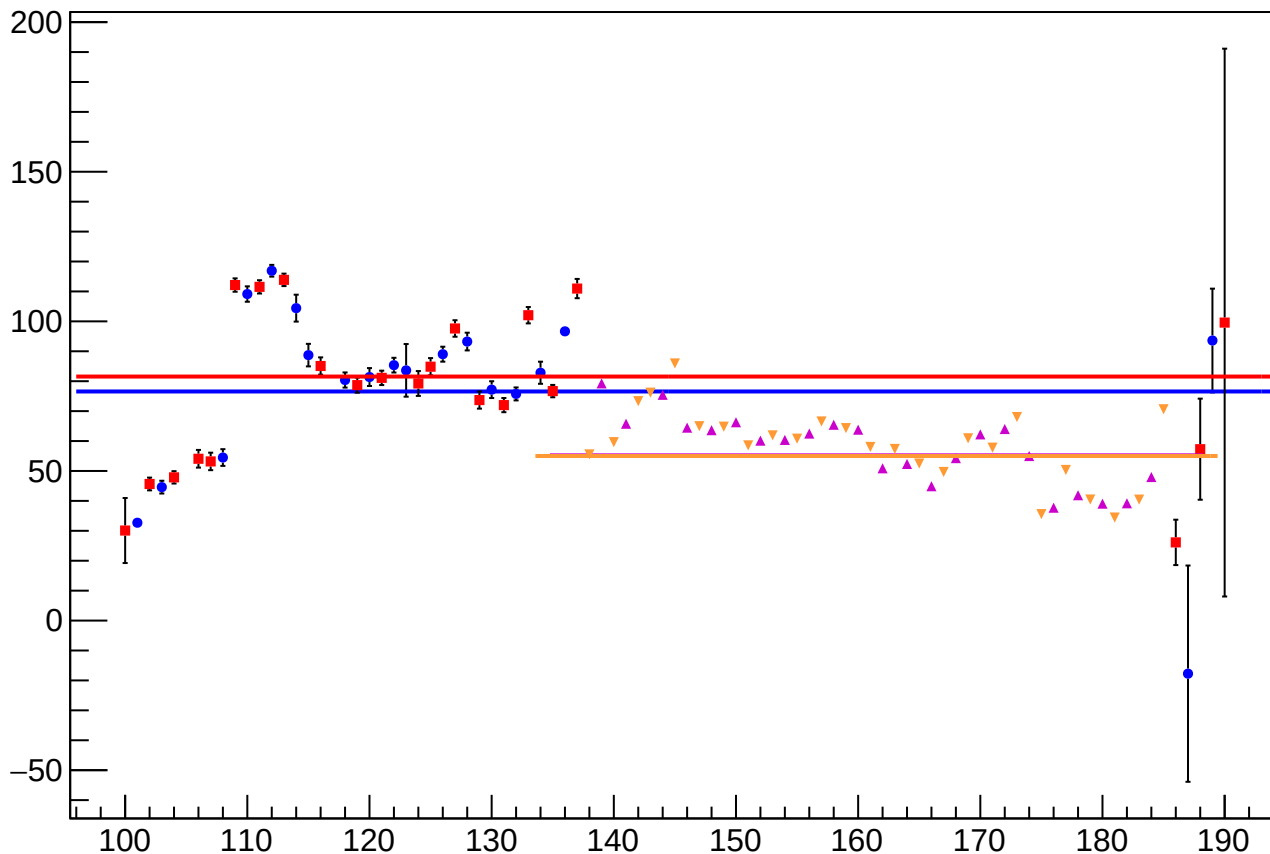
Right: 3.059 ± 0.225 $\chi^2/\text{NDF}: 582.5/40$

In: -0.219 ± 0.135 $\chi^2/\text{NDF}: 1468.0/41$

Out: 0.058 ± 0.134 $\chi^2/\text{NDF}: 1735.0/46$

All: -0.079 ± 0.095 $\chi^2/\text{NDF}: 3205.1/88$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.567 $\pm$ 0.573 χ^2 /NDF: 2261.4/18

Left Out: 55.000 $\pm$ 0.192 χ^2 /NDF: 4524.8/24

Right Out: 81.556 $\pm$ 0.590 χ^2 /NDF: 1626.5/21

Left In: 55.225 $\pm$ 0.193 χ^2 /NDF: 3825.0/22

Left: 55.112 $\pm$ 0.136 χ^2 /NDF: 8350.5/47

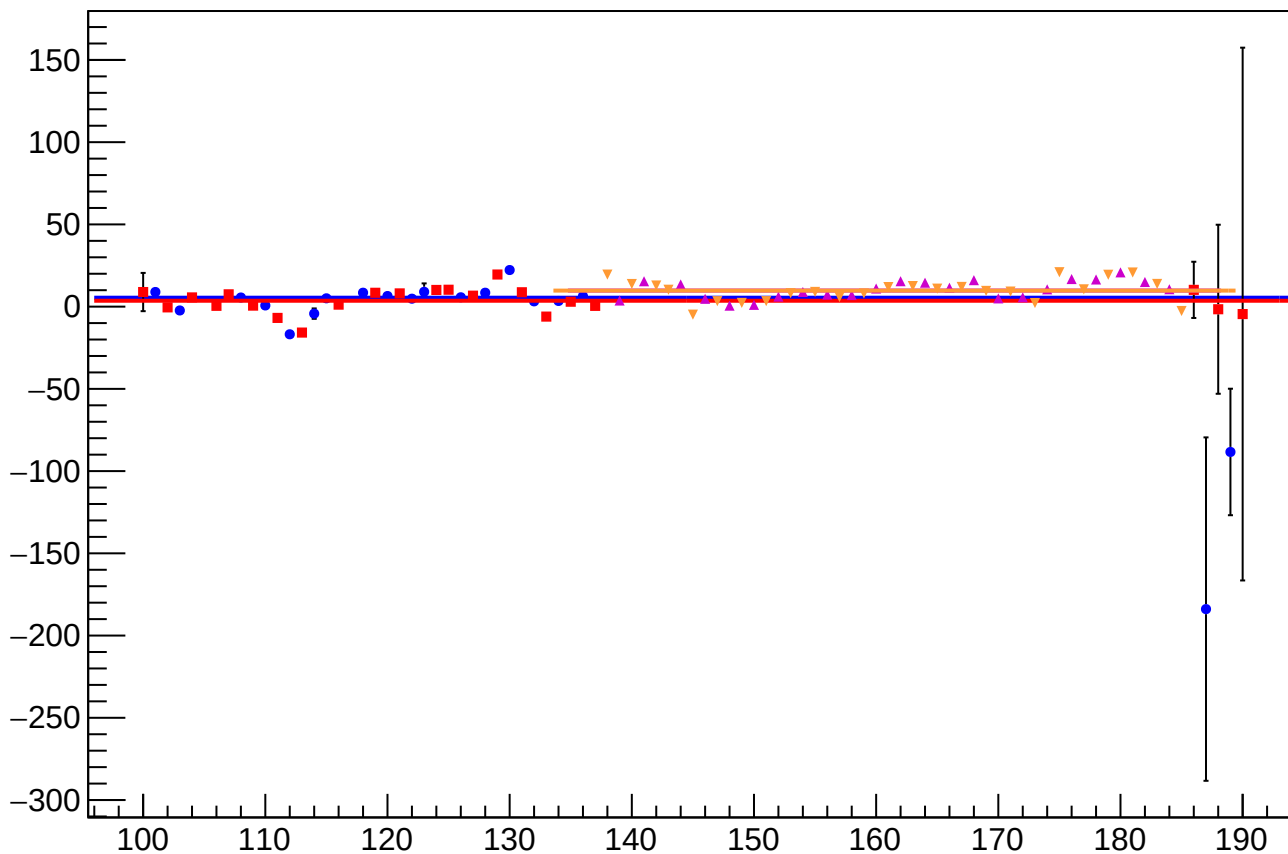
Right: 78.989 $\pm$ 0.411 χ^2 /NDF: 3924.7/40

In: 57.396 $\pm$ 0.183 χ^2 /NDF: 7332.9/41

Out: 57.541 $\pm$ 0.182 χ^2 /NDF: 7985.0/46

All: 57.469 $\pm$ 0.129 χ^2 /NDF: 15318.2/88

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.432 $\pm$ 0.357 χ^2 /NDF: 396.7/18

Left Out: 9.750 $\pm$ 0.168 χ^2 /NDF:1449.2/24

Right Out: 3.588 $\pm$ 0.375 χ^2 /NDF: 423.4/21

Left In: 9.775 $\pm$ 0.171 χ^2 /NDF:1165.6/22

Left: 9.762 $\pm$ 0.120 χ^2 /NDF: 2614.7/47

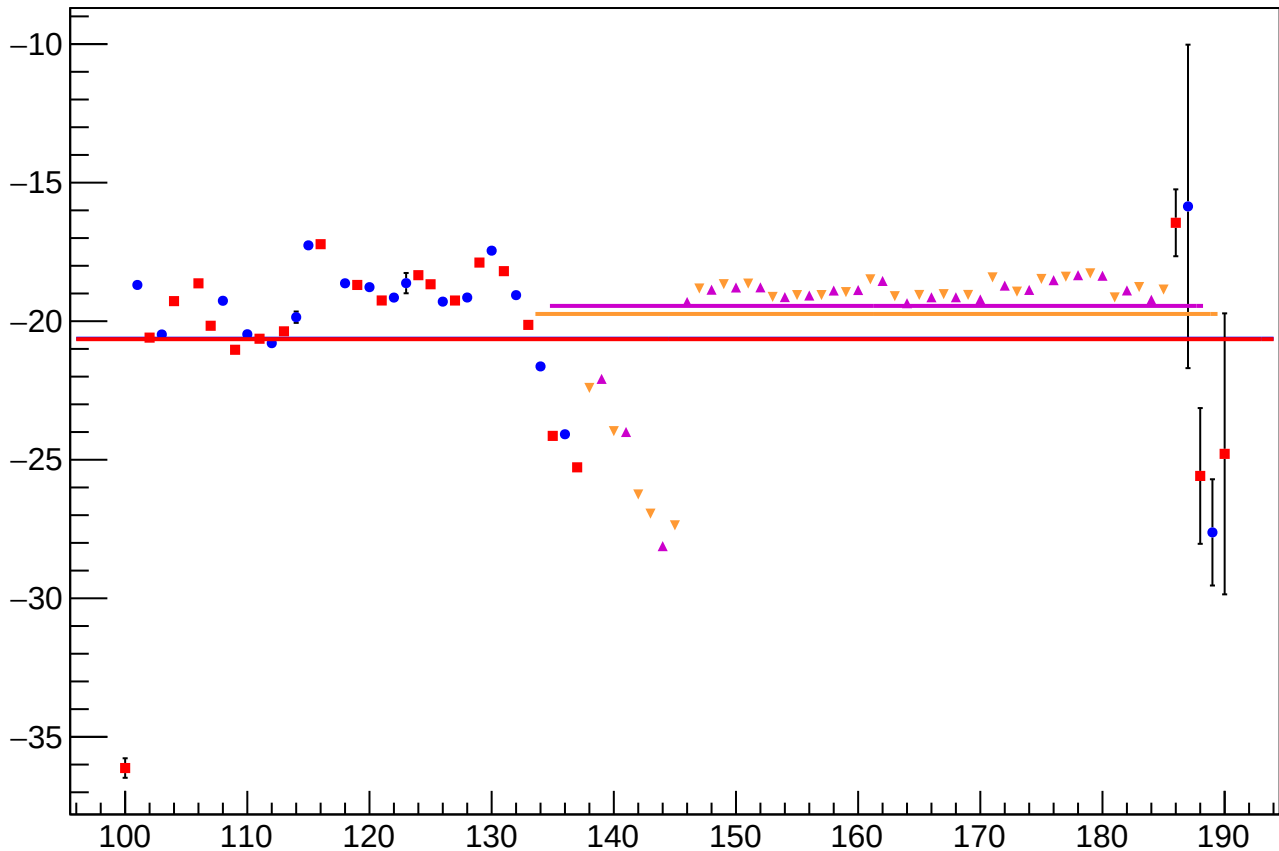
Right: 4.555 $\pm$ 0.259 χ^2 /NDF: 832.8/40

In: 8.963 $\pm$ 0.154 χ^2 /NDF:1682.4/41

Out: 8.719 $\pm$ 0.153 χ^2 /NDF:2097.2/46

All: 8.841 $\pm$ 0.109 χ^2 /NDF: 3780.9/88

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.631 $\pm$ 0.019 χ^2 /NDF: 12504.5/18

Left Out: -19.738 $\pm$ 0.008 χ^2 /NDF: 88495.2/24

Right Out: -20.649 $\pm$ 0.019 χ^2 /NDF: 13902.5/21

Left In: -19.448 $\pm$ 0.008 χ^2 /NDF: 54039.2/22

Left: -19.593 $\pm$ 0.006 χ^2 /NDF: 143208.7/47

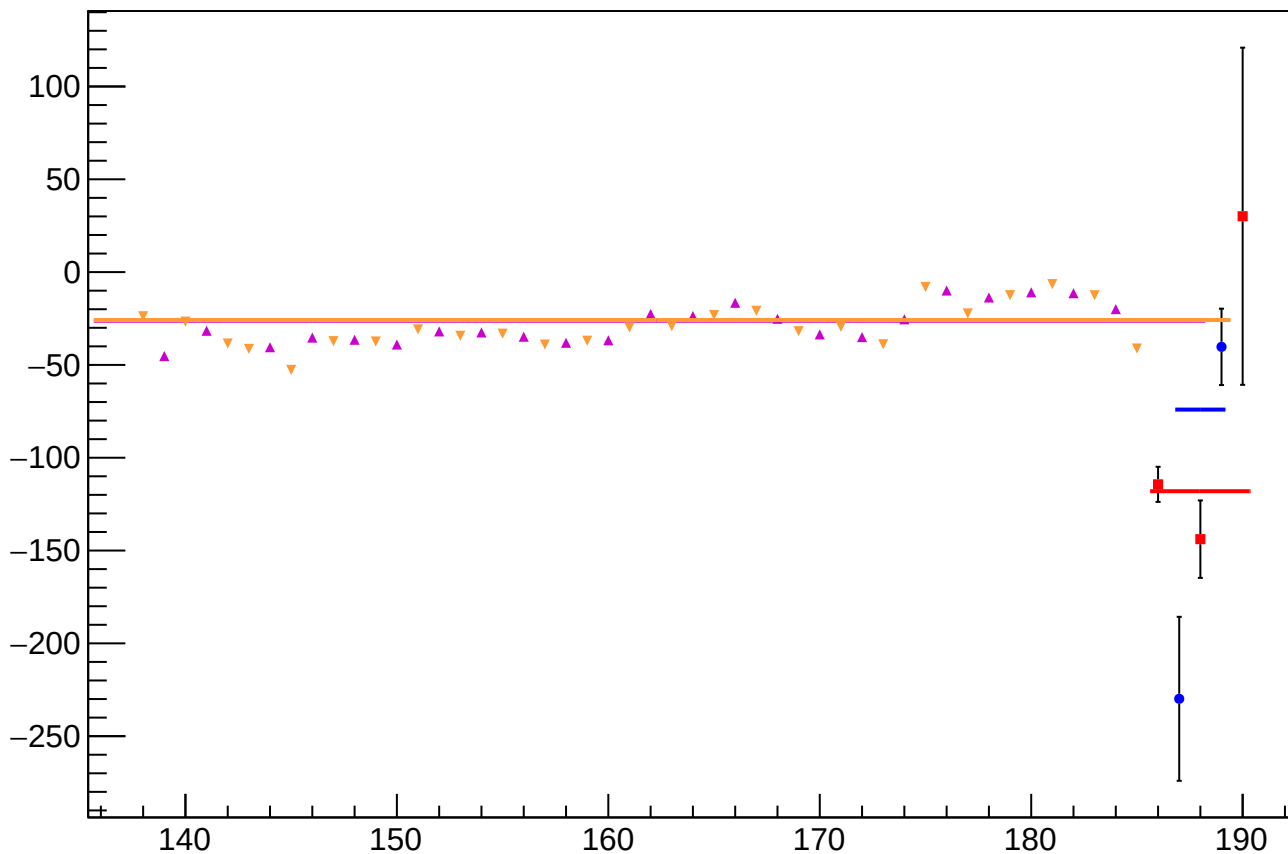
Right: -20.640 $\pm$ 0.014 χ^2 /NDF: 26407.4/40

In: -19.619 $\pm$ 0.007 χ^2 /NDF: 69767.4/41

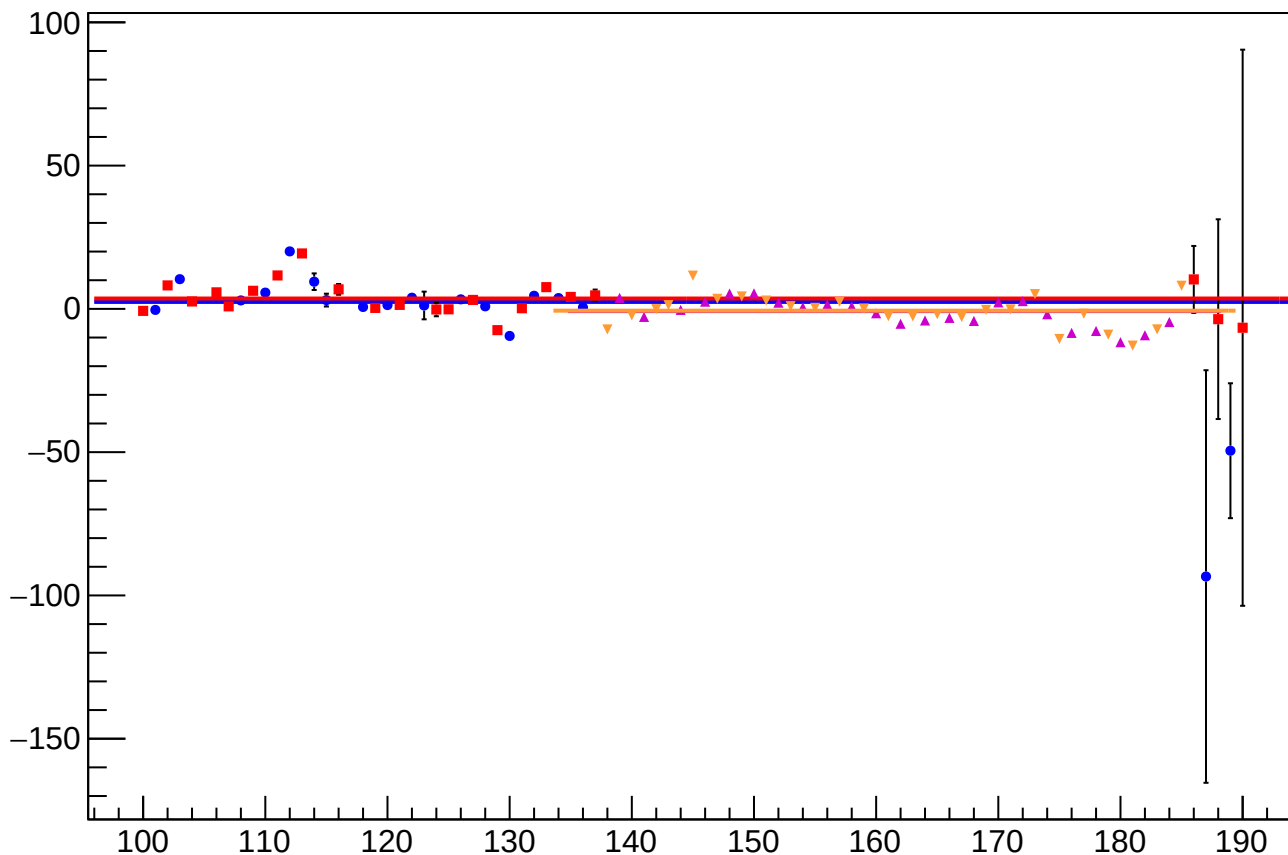
Out: -19.868 $\pm$ 0.007 χ^2 /NDF: 104282.8/46

All: -19.743 $\pm$ 0.005 χ^2 /NDF: 174627.8/88

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.437 $\pm$ 0.311 χ^2 /NDF: 300.0/18

Left Out: -0.625 $\pm$ 0.147 χ^2 /NDF:1303.5/24

Right Out: 3.615 $\pm$ 0.318 χ^2 /NDF: 279.8/21

Left In: -0.773 $\pm$ 0.150 χ^2 /NDF:1111.4/22

Left: -0.697 $\pm$ 0.105 χ^2 /NDF: 2415.4/47

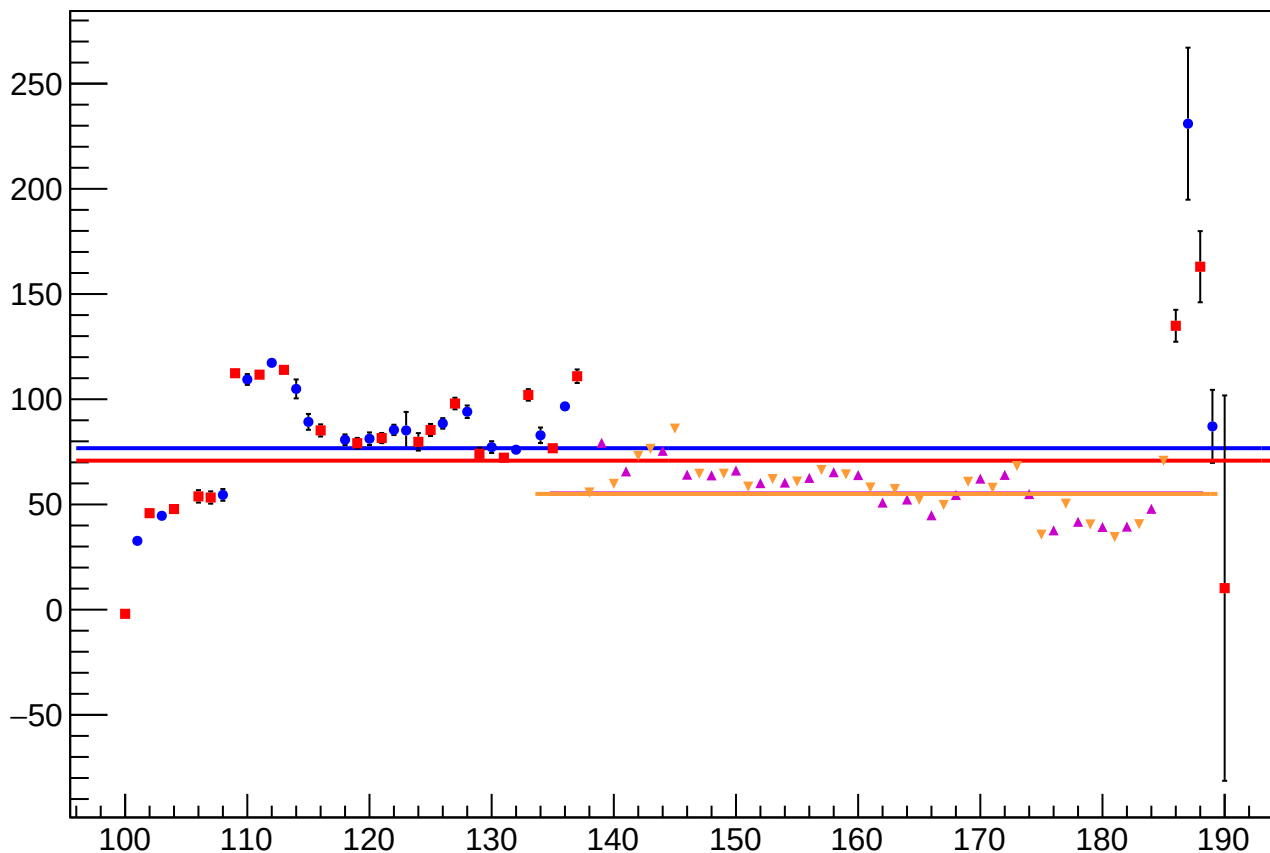
Right: 3.013 $\pm$ 0.222 χ^2 /NDF: 586.8/40

In: -0.167 $\pm$ 0.135 χ^2 /NDF:1497.7/41

Out: 0.119 $\pm$ 0.133 χ^2 /NDF:1729.8/46

All: -0.022 $\pm$ 0.095 χ^2 /NDF: 3229.8/88

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.737 ± 0.573 χ^2/NDF : 2283.7/18

Left Out: 55.008 ± 0.192 χ^2/NDF : 4502.1/24

Right Out: 70.817 ± 0.548 χ^2/NDF : 4493.3/21

Left In: 55.252 ± 0.193 χ^2/NDF : 3786.2/22

Left: 55.129 ± 0.136 χ^2/NDF : 8289.0/47

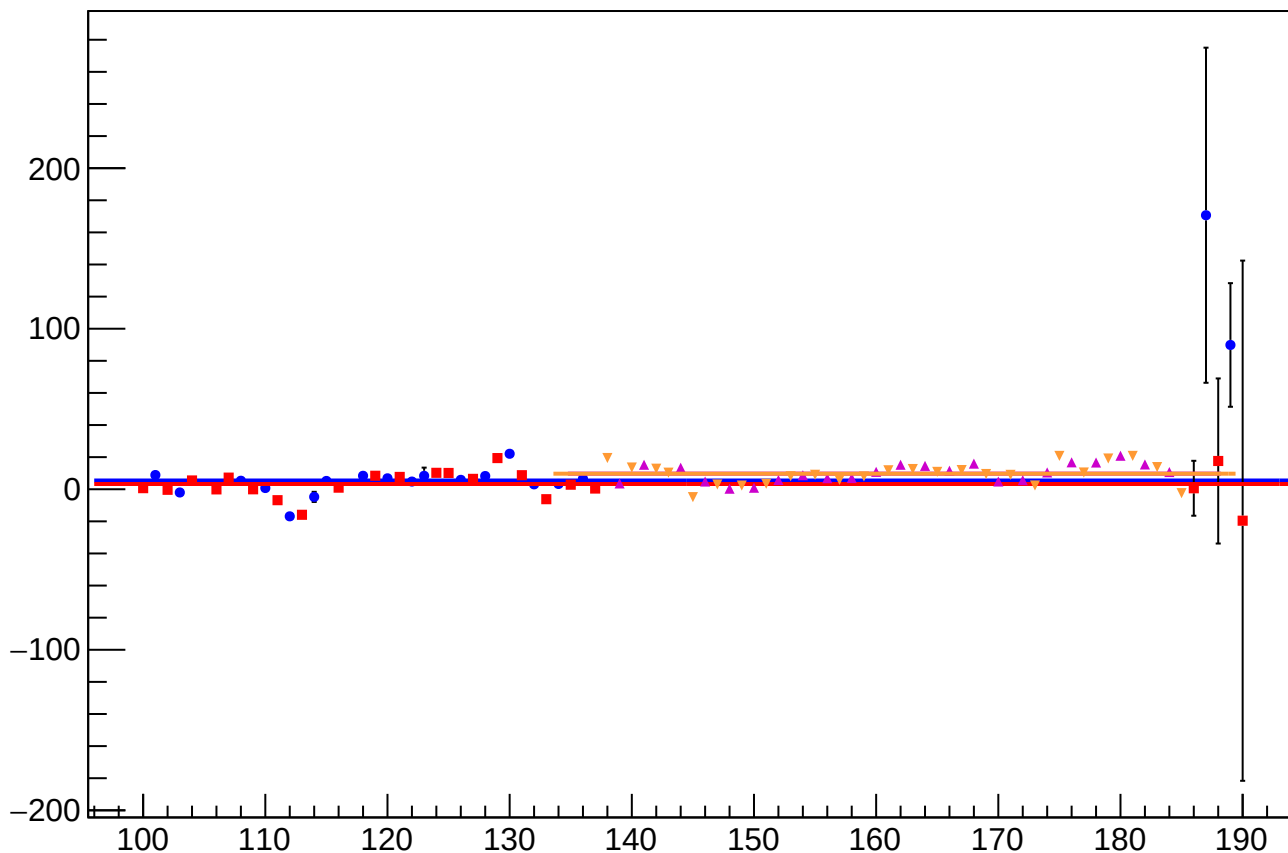
Right: 73.644 ± 0.396 χ^2/NDF : 6832.7/40

In: 57.438 ± 0.183 χ^2/NDF : 7331.7/41

Out: 56.736 ± 0.181 χ^2/NDF : 9736.6/46

All: 57.084 ± 0.129 χ^2/NDF : 17075.8/88

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.448 ± 0.357 χ^2/NDF : 393.3/18

Left Out: 9.691 ± 0.168 χ^2/NDF : 1440.3/24

Right Out: 3.274 ± 0.365 χ^2/NDF : 425.9/21

Left In: 9.708 ± 0.171 χ^2/NDF : 1198.0/22

Left: 9.699 ± 0.120 χ^2/NDF : 2638.3/47

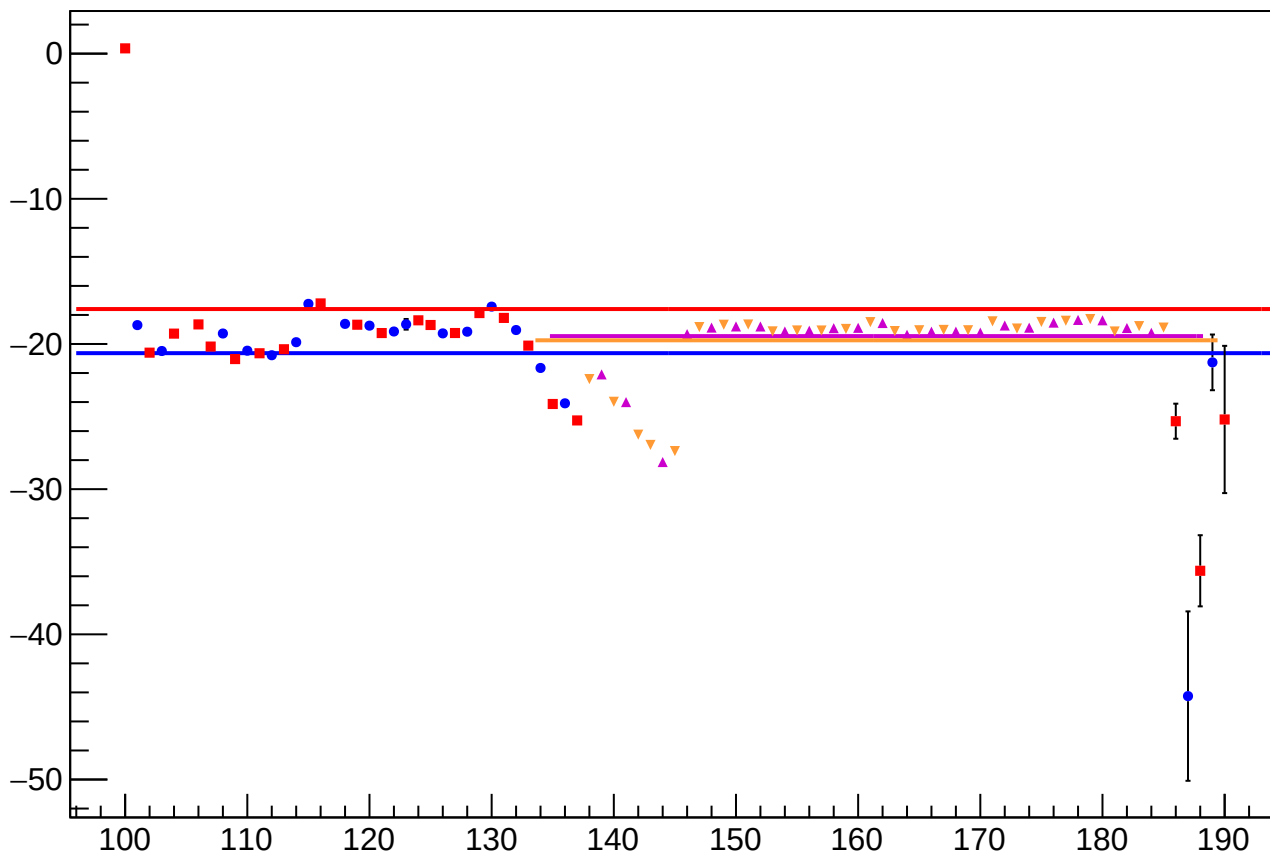
Right: 4.385 ± 0.255 χ^2/NDF : 837.3/40

In: 8.912 ± 0.155 χ^2/NDF : 1706.7/41

Out: 8.568 ± 0.153 χ^2/NDF : 2120.7/46

All: 8.738 ± 0.109 χ^2/NDF : 3830.0/88

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.632 ± 0.019 $\chi^2/\text{NDF}: 12547.3/18$

Left Out: -19.746 ± 0.008 $\chi^2/\text{NDF}: 88374.4/24$

Right Out: -17.593 ± 0.018 $\chi^2/\text{NDF}: 178778.0/21$

Left In: -19.457 ± 0.008 $\chi^2/\text{NDF}: 53995.4/22$

Left: -19.602 ± 0.006 $\chi^2/\text{NDF}: 143036.3/47$

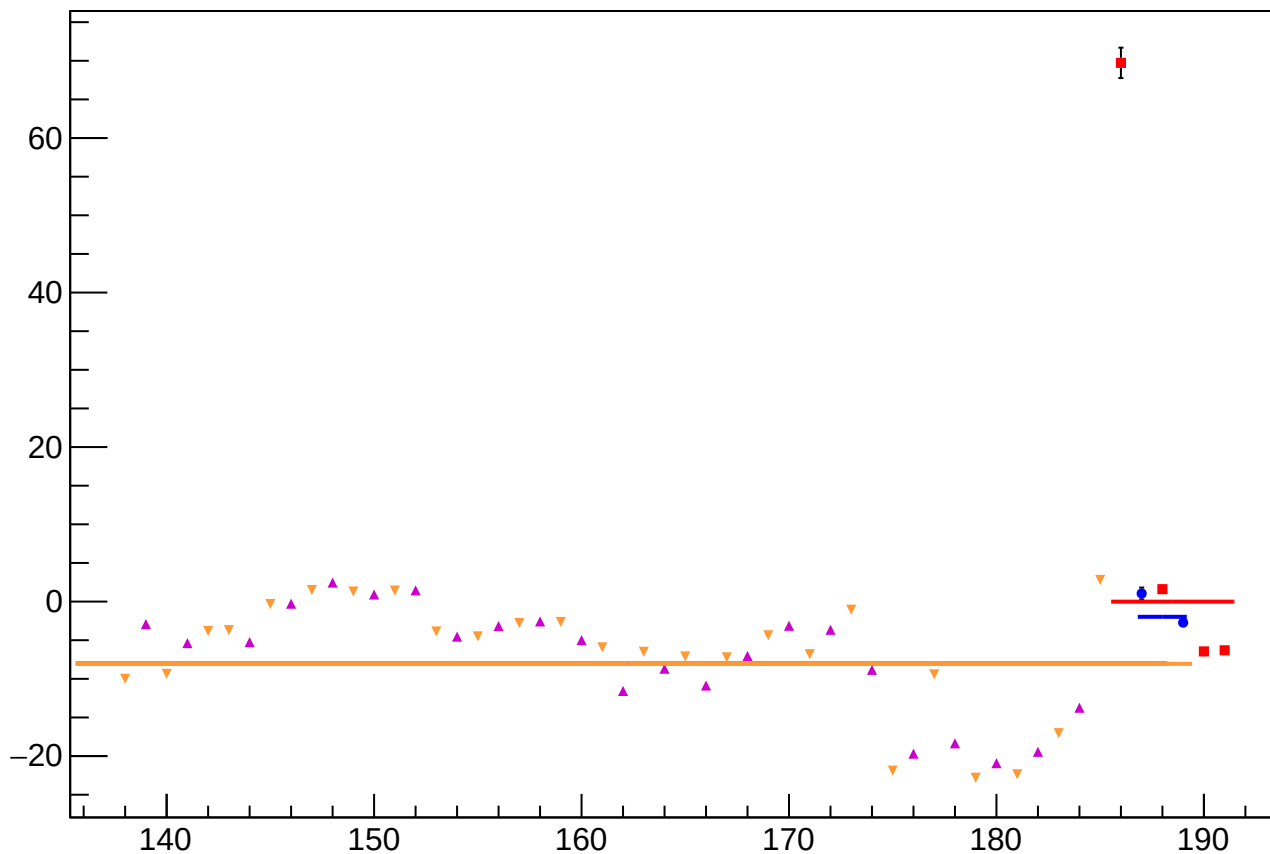
Right: -19.009 ± 0.013 $\chi^2/\text{NDF}: 204581.3/40$

In: -19.627 ± 0.007 $\chi^2/\text{NDF}: 69715.9/41$

Out: -19.399 ± 0.007 $\chi^2/\text{NDF}: 279130.0/46$

All: -19.511 ± 0.005 $\chi^2/\text{NDF}: 349337.2/88$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.972 ± 0.344 $\chi^2/\text{NDF}: 19.1/1$
 Left Out: -8.058 ± 0.070 $\chi^2/\text{NDF}: 12532.2/24$
 Right Out: -0.012 ± 0.159 $\chi^2/\text{NDF}: 1750.4/3$
 Left In: -8.010 ± 0.071 $\chi^2/\text{NDF}: 10631.2/22$

Left: -8.034 ± 0.050 $\chi^2/\text{NDF}: 23163.6/47$

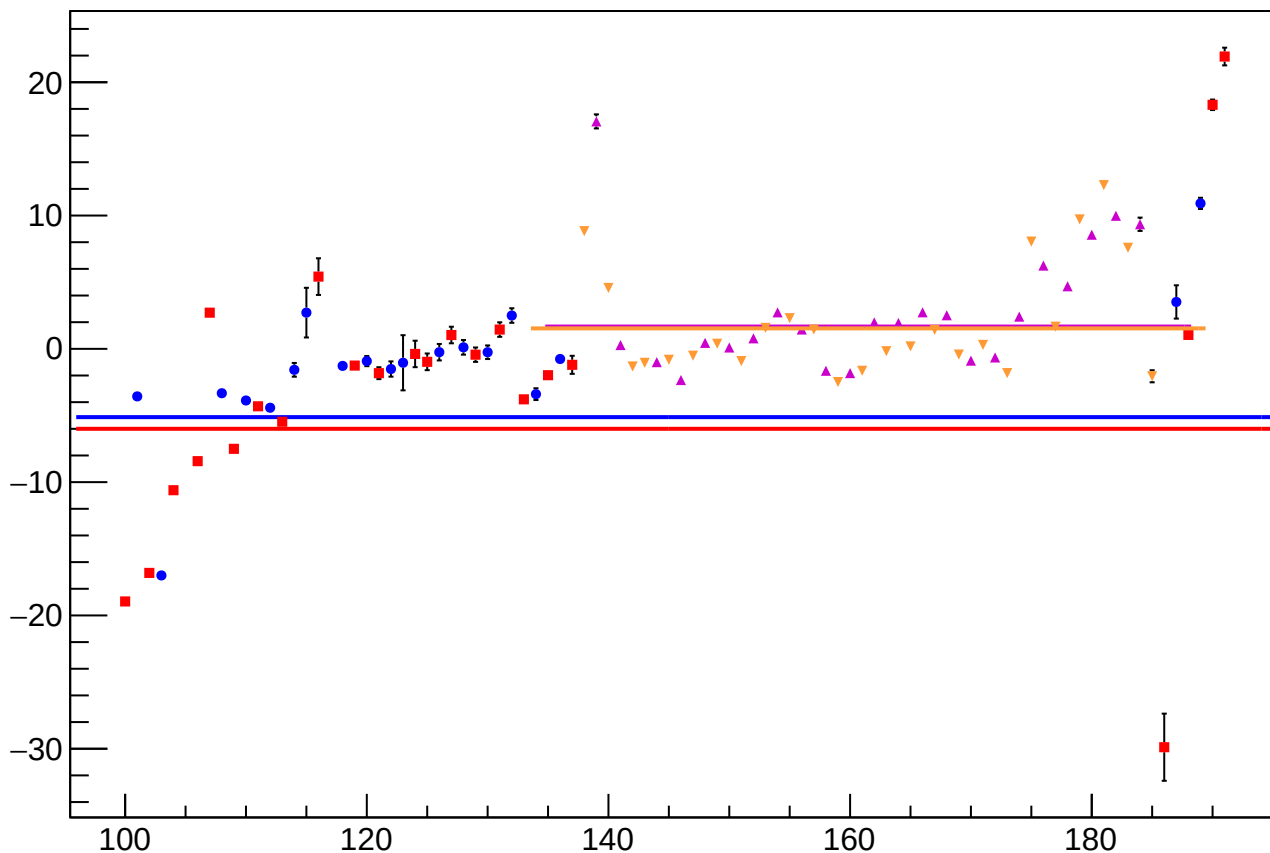
Right: -0.356 ± 0.144 $\chi^2/\text{NDF}: 1796.2/5$

In: -7.761 ± 0.070 $\chi^2/\text{NDF}: 10944.9/24$

Out: -6.739 ± 0.064 $\chi^2/\text{NDF}: 16422.1/28$

All: -7.208 ± 0.047 $\chi^2/\text{NDF}: 27482.7/53$

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.123+/-0.054 χ^2/NDF : 10791.3/18

Left Out: 1.535+/-0.055 χ^2/NDF : 4816.7/24

Right Out: -5.998+/-0.057 χ^2/NDF : 18938.0/22

Left In: 1.673+/-0.056 χ^2/NDF : 4106.3/22

Left: 1.602+/-0.039 χ^2/NDF : 8926.1/47

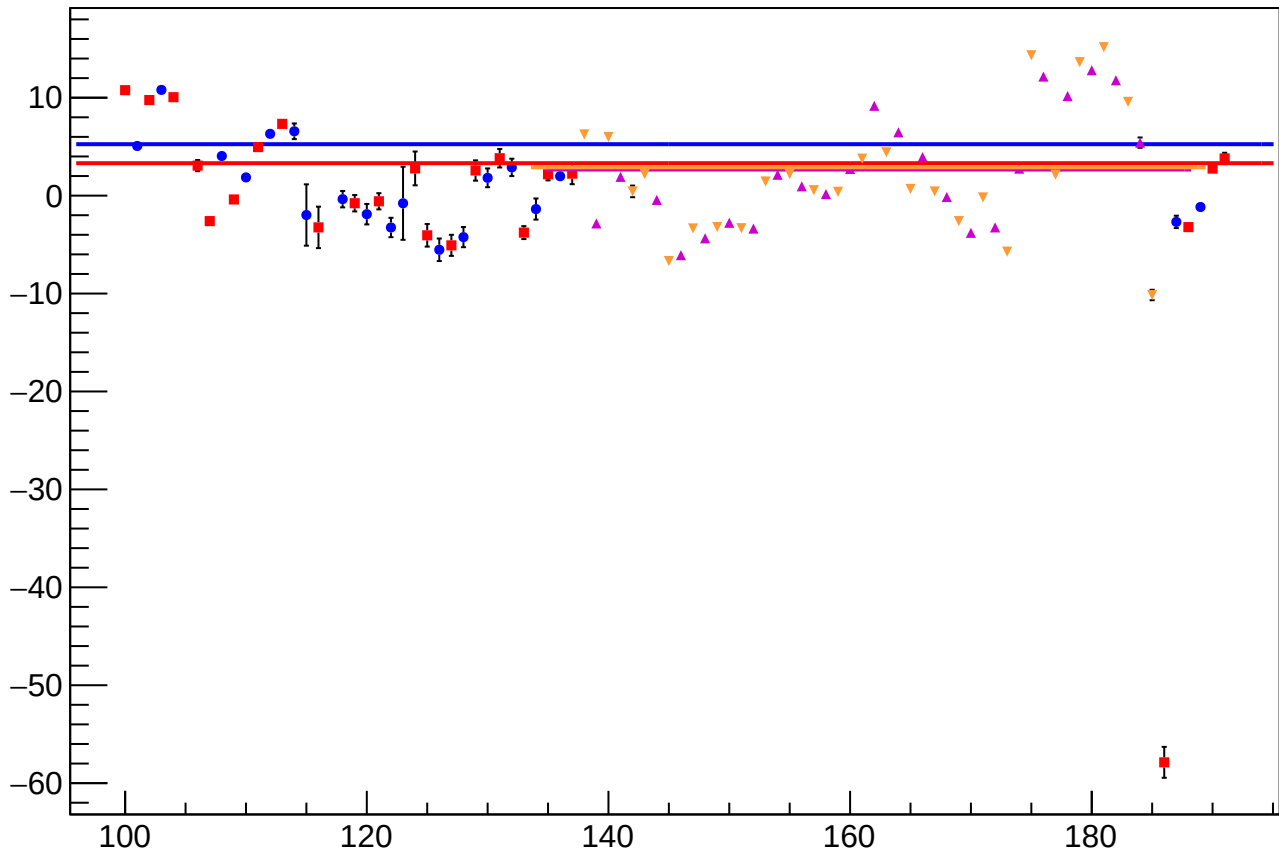
Right: -5.539+/-0.039 χ^2/NDF : 29853.3/41

In: -1.859+/-0.039 χ^2/NDF : 22440.4/41

Out: -2.066+/-0.039 χ^2/NDF : 32888.5/47

All: -1.962+/-0.028 χ^2/NDF : 55342.9/89

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.253+/-0.086 χ^2/NDF : 1979.2/18

Left Out: 2.891+/-0.070 χ^2/NDF : 8889.4/24

Right Out: 3.313+/-0.077 χ^2/NDF : 6917.5/22

Left In: 2.663+/-0.071 χ^2/NDF : 7308.8/22

Left: 2.778+/-0.050 χ^2/NDF : 16203.4/47

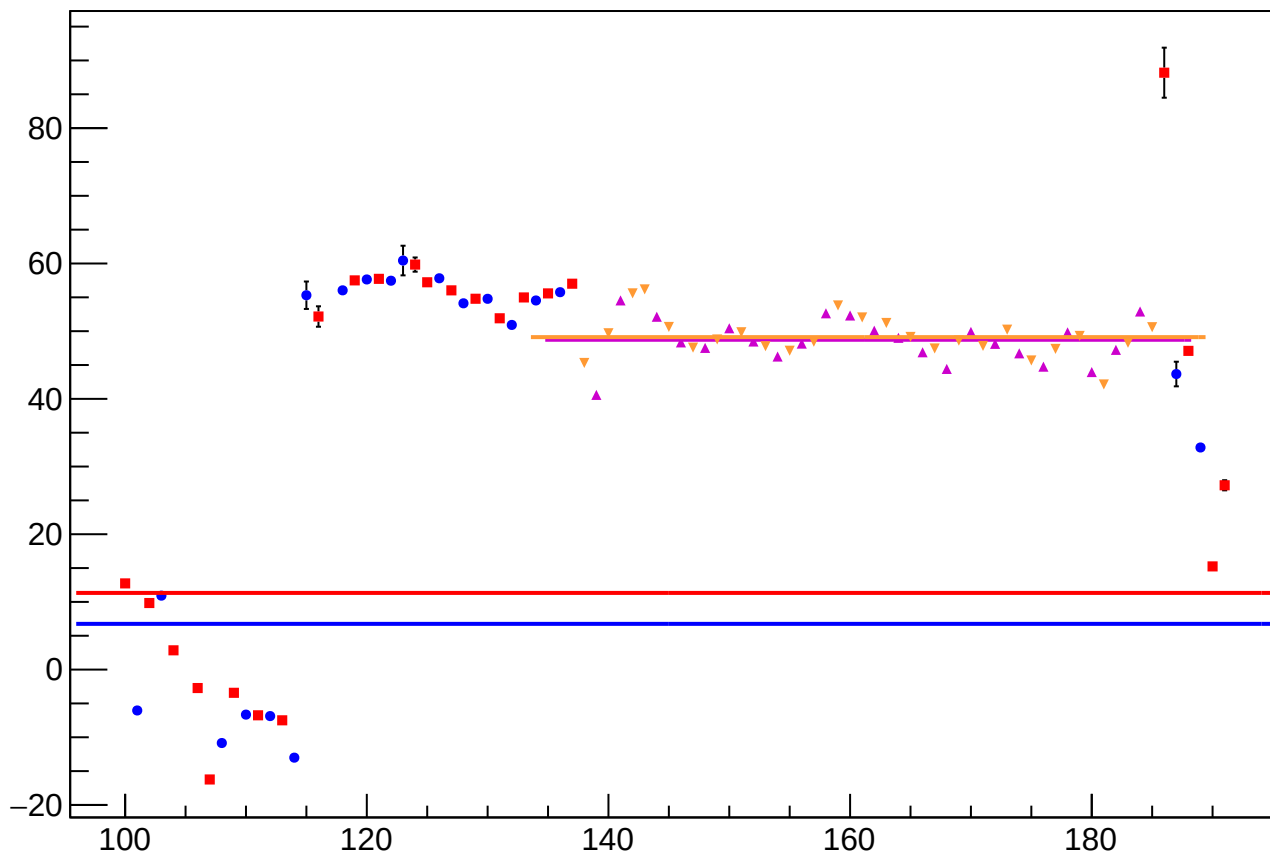
Right: 4.172+/-0.057 χ^2/NDF : 9180.2/41

In: 3.713+/-0.055 χ^2/NDF : 9826.9/41

Out: 3.084+/-0.052 χ^2/NDF : 15823.3/47

All: 3.381+/-0.038 χ^2/NDF : 25719.8/89

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.757 $\pm$ 0.064 χ^2 /NDF: 125655.8/18

Left Out: 49.121 $\pm$ 0.062 χ^2 /NDF:2165.4/24

Right Out: 11.329 $\pm$ 0.068 χ^2 /NDF: 130873.3/22

Left In: 48.731 $\pm$ 0.064 χ^2 /NDF:2117.7/22

Left: 48.931 $\pm$ 0.044 χ^2 /NDF: 4302.5/47

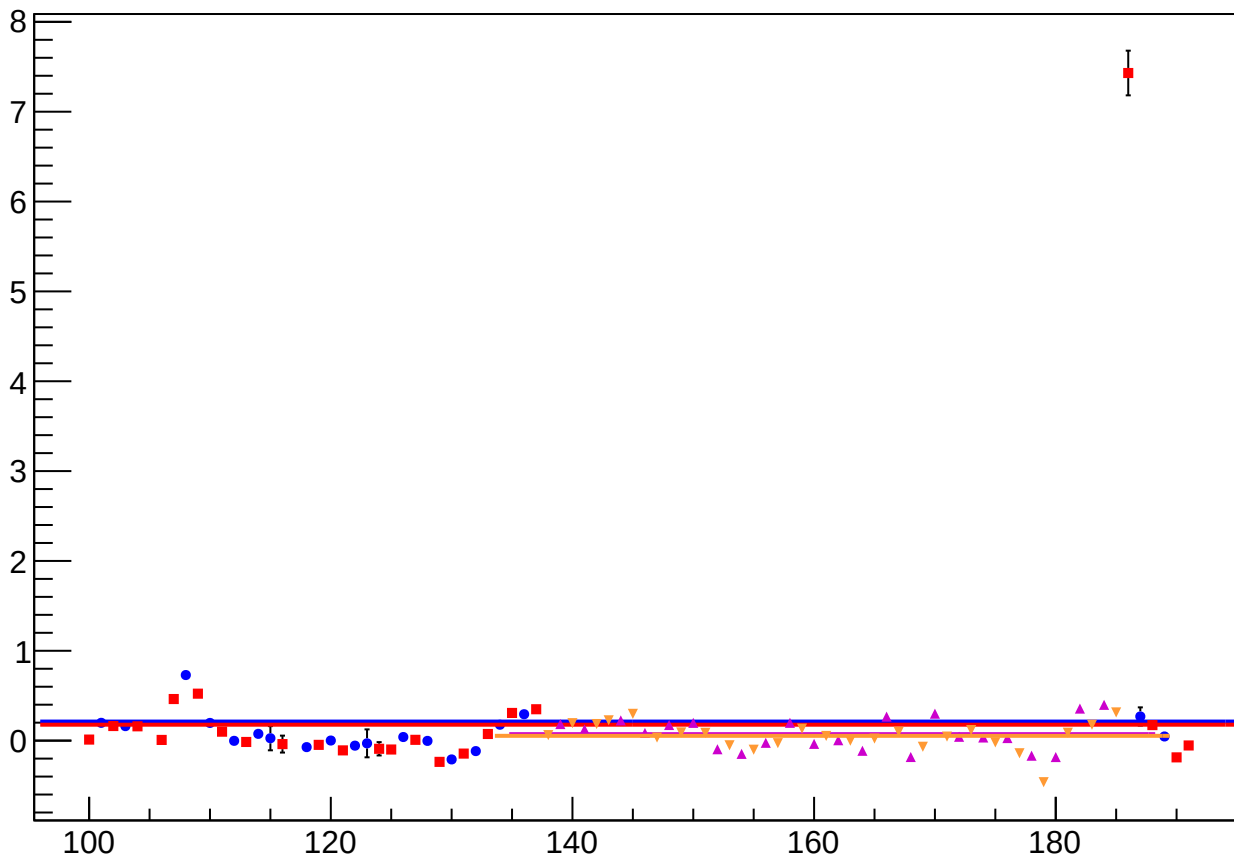
Right: 8.913 $\pm$ 0.047 χ^2 /NDF: 258911.3/41

In: 27.993 $\pm$ 0.045 χ^2 /NDF:343255.3/41

Out: 32.026 $\pm$ 0.046 χ^2 /NDF:301756.5/47

All: 29.983 $\pm$ 0.032 χ^2 /NDF: 648938.7/89

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.212 $\pm$ 0.003 χ^2 /NDF: 3993.3/18

Left Out: 0.053 $\pm$ 0.003 χ^2 /NDF:2369.3/24

Right Out: 0.177 $\pm$ 0.003 χ^2 /NDF: 3981.0/22

Left In: 0.072 $\pm$ 0.003 χ^2 /NDF:3272.0/22

Left: 0.063 $\pm$ 0.002 χ^2 /NDF: 5662.5/47

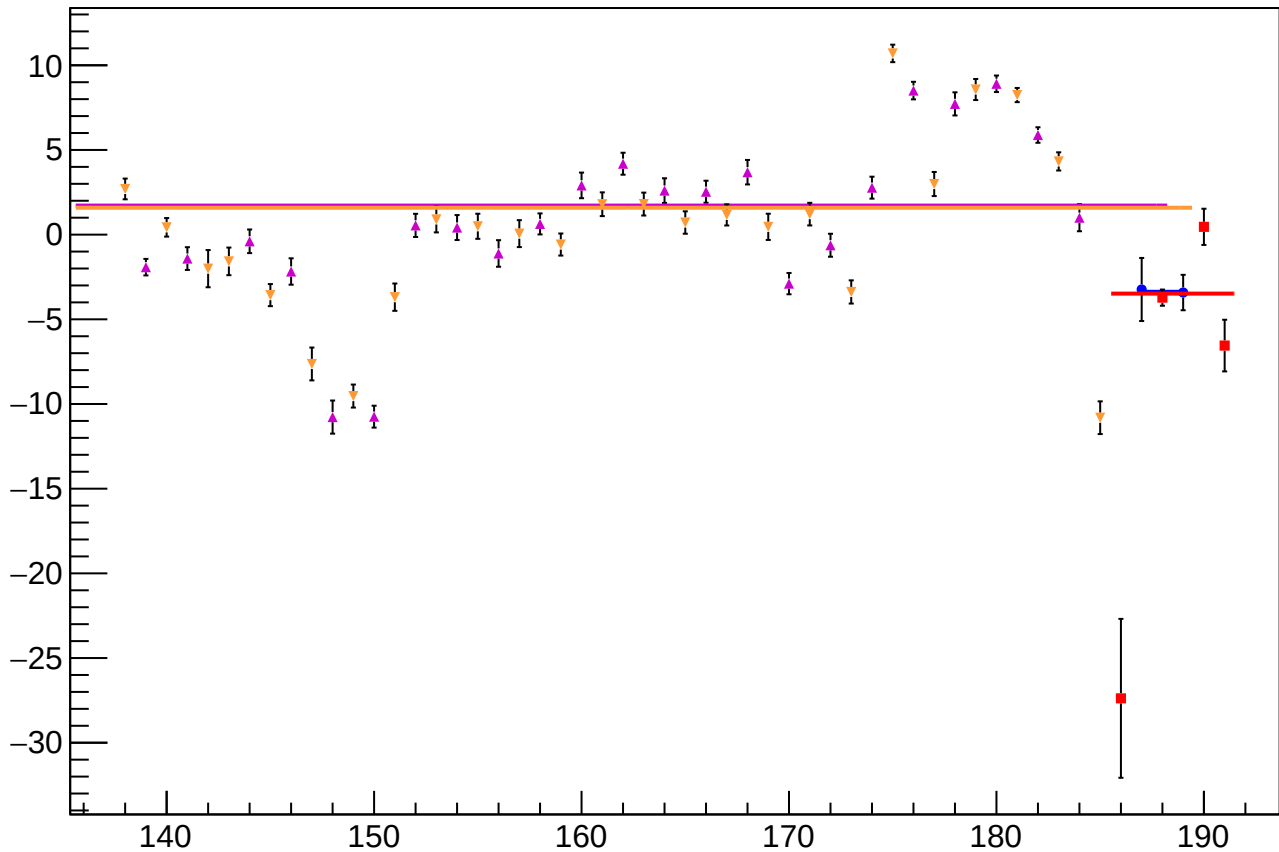
Right: 0.194 $\pm$ 0.002 χ^2 /NDF: 8058.9/41

In: 0.145 $\pm$ 0.002 χ^2 /NDF:8525.2/41

Out: 0.120 $\pm$ 0.002 χ^2 /NDF:7384.5/47

All: 0.132 $\pm$ 0.001 χ^2 /NDF: 15987.9/89

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.376 ± 0.912 χ^2/NDF : 0.0/1

Left Out: 1.590 ± 0.133 χ^2/NDF : 1457.4/24

Right Out: -3.482 ± 0.417 χ^2/NDF : 43.8/3

Left In: 1.715 ± 0.134 χ^2/NDF : 1313.5/22

Left: 1.652 ± 0.094 χ^2/NDF : 2771.4/47

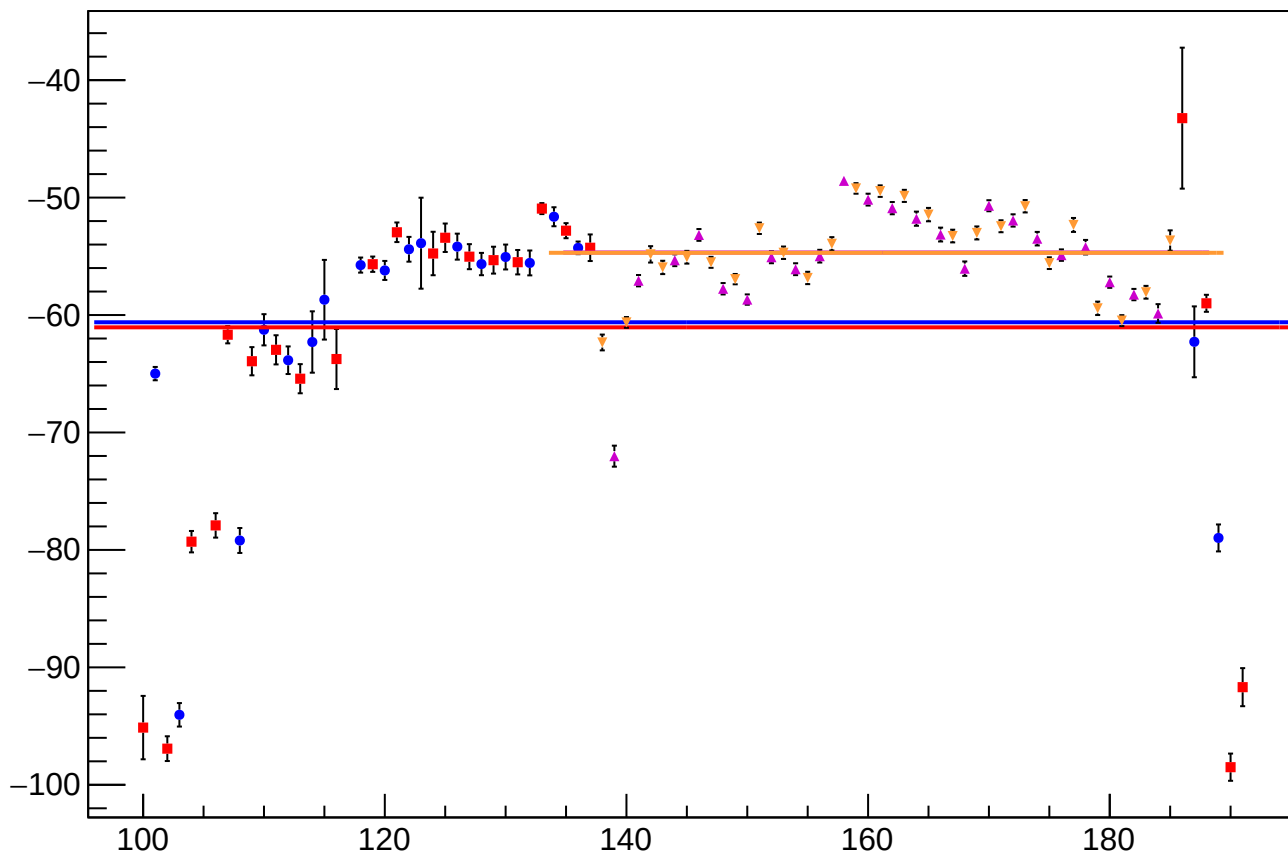
Right: -3.464 ± 0.379 χ^2/NDF : 43.9/5

In: 1.608 ± 0.133 χ^2/NDF : 1344.0/24

Out: 1.122 ± 0.127 χ^2/NDF : 1635.4/28

All: 1.353 ± 0.092 χ^2/NDF : 2986.4/53

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -60.617 ± 0.218 $\chi^2/\text{NDF}: 2245.6/18$

Left Out: -54.701 ± 0.106 $\chi^2/\text{NDF}: 1124.5/24$

Right Out: -61.048 ± 0.199 $\chi^2/\text{NDF}: 4386.6/22$

Left In: -54.677 ± 0.109 $\chi^2/\text{NDF}: 1140.6/22$

Left: -54.689 ± 0.076 $\chi^2/\text{NDF}: 2265.1/47$

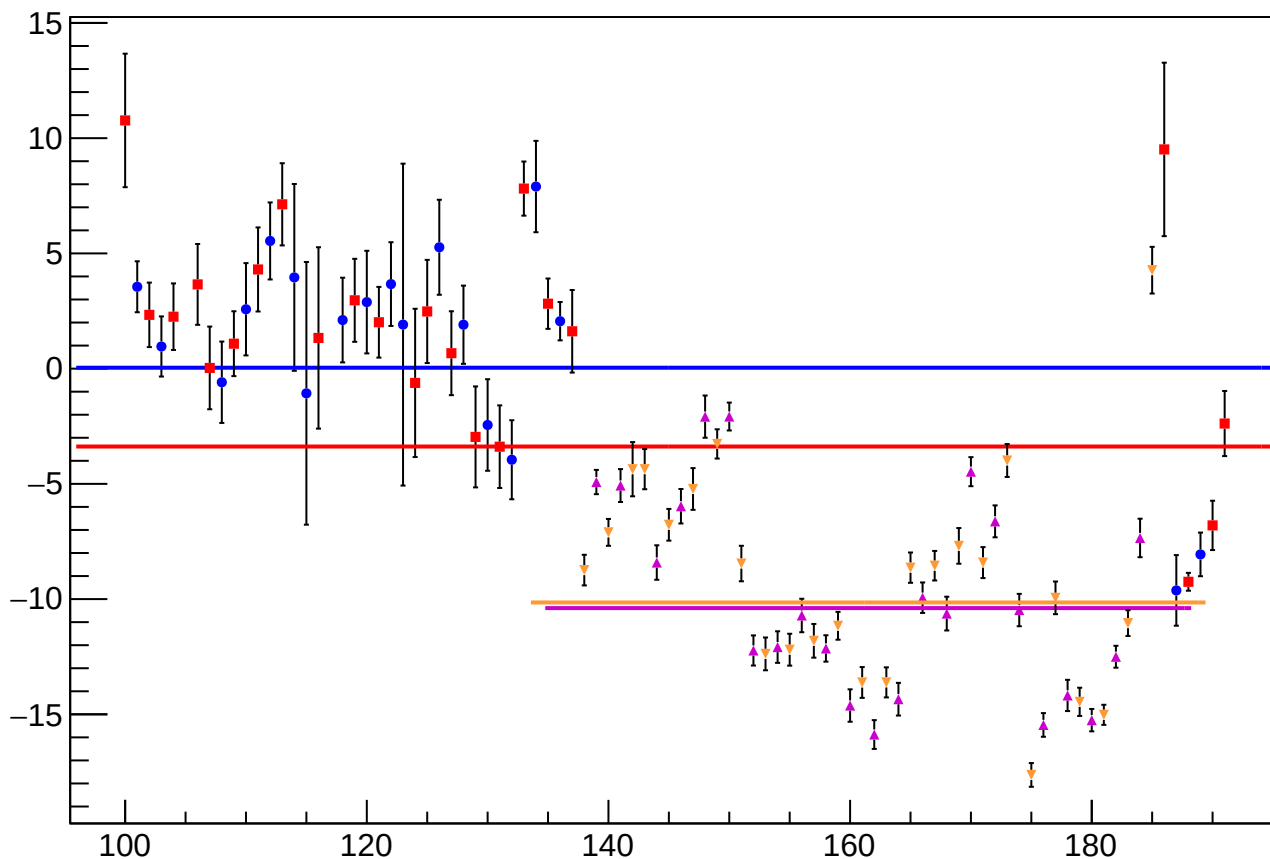
Right: -60.852 ± 0.147 $\chi^2/\text{NDF}: 6634.3/41$

In: -55.870 ± 0.098 $\chi^2/\text{NDF}: 3977.7/41$

Out: -56.105 ± 0.094 $\chi^2/\text{NDF}: 6304.7/47$

All: -55.993 ± 0.068 $\chi^2/\text{NDF}: 10285.4/89$

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.040 ± 0.361 $\chi^2/\text{NDF}: 180.3/18$

Left Out: -10.146 ± 0.133 $\chi^2/\text{NDF}: 1051.2/24$

Right Out: -3.380 ± 0.260 $\chi^2/\text{NDF}: 559.5/22$

Left In: -10.391 ± 0.134 $\chi^2/\text{NDF}: 1024.8/22$

Left: -10.268 ± 0.094 $\chi^2/\text{NDF}: 2077.6/47$

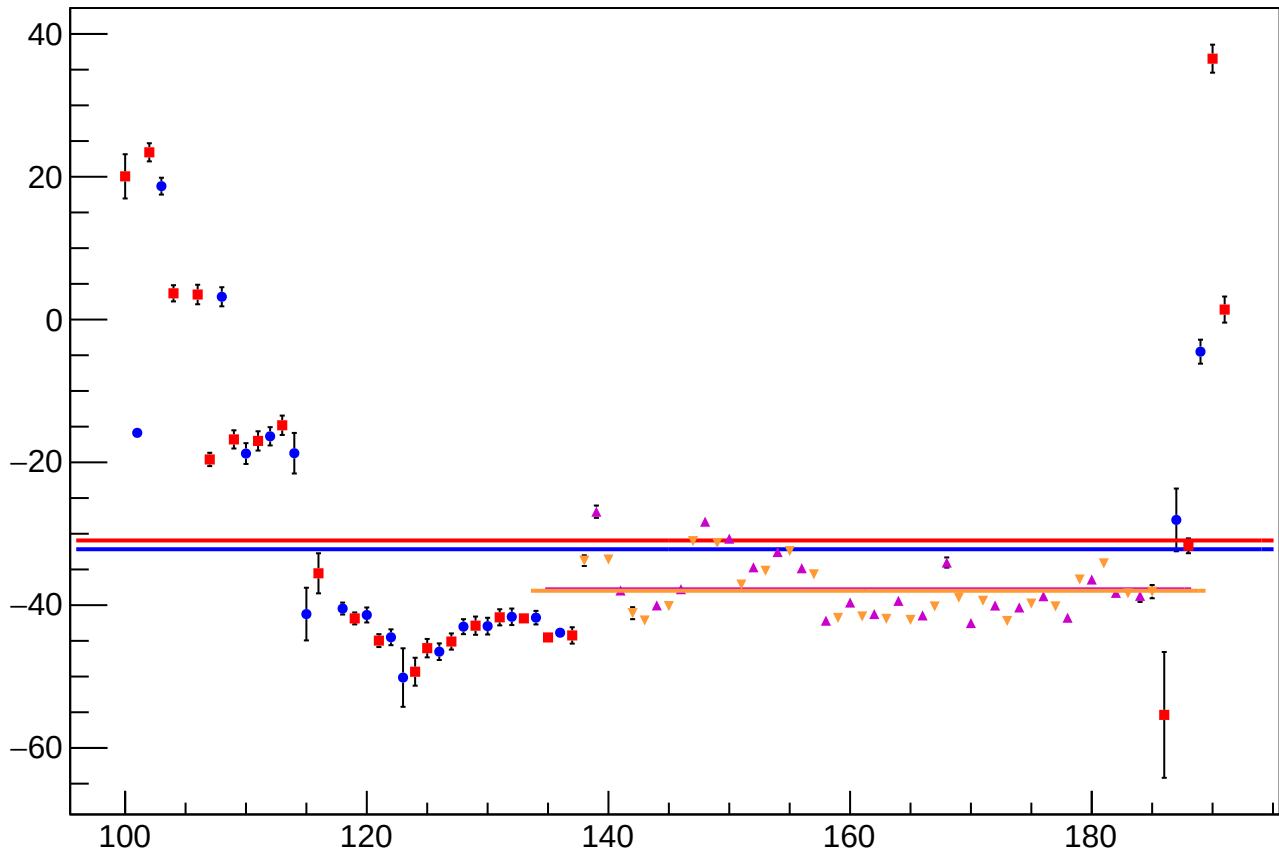
Right: -2.211 ± 0.211 $\chi^2/\text{NDF}: 798.9/41$

In: -9.133 ± 0.125 $\chi^2/\text{NDF}: 1938.5/41$

Out: -8.744 ± 0.118 $\chi^2/\text{NDF}: 2146.5/47$

All: -8.927 ± 0.086 $\chi^2/\text{NDF}: 4090.2/89$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.171 ± 0.251 $\chi^2/\text{NDF}: 4944.9/18$

Left Out: -37.983 ± 0.119 $\chi^2/\text{NDF}: 936.9/24$

Right Out: -30.940 ± 0.234 $\chi^2/\text{NDF}: 7584.4/22$

Left In: -37.784 ± 0.122 $\chi^2/\text{NDF}: 1079.7/22$

Left: -37.886 ± 0.085 $\chi^2/\text{NDF}: 2018.0/47$

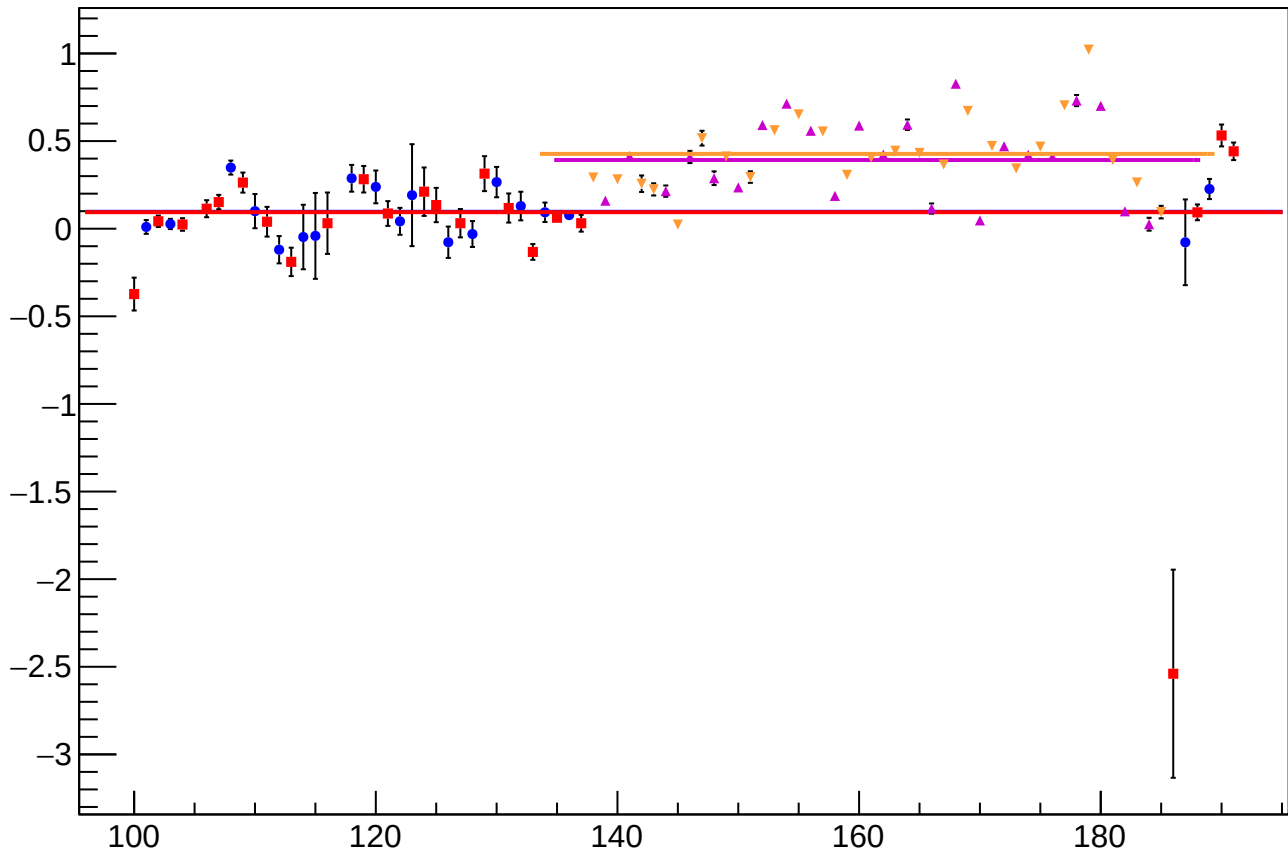
Right: -31.512 ± 0.171 $\chi^2/\text{NDF}: 12542.2/41$

In: -36.711 ± 0.110 $\chi^2/\text{NDF}: 6429.8/41$

Out: -36.534 ± 0.106 $\chi^2/\text{NDF}: 9242.4/47$

All: -36.619 ± 0.076 $\chi^2/\text{NDF}: 15673.5/89$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.096 ± 0.012 χ^2/NDF : 85.1/18

Left Out: 0.427 ± 0.005 χ^2/NDF : 1293.3/24

Right Out: 0.094 ± 0.011 χ^2/NDF : 213.2/22

Left In: 0.392 ± 0.005 χ^2/NDF : 1835.6/22

Left: 0.409 ± 0.004 χ^2/NDF : 3150.1/47

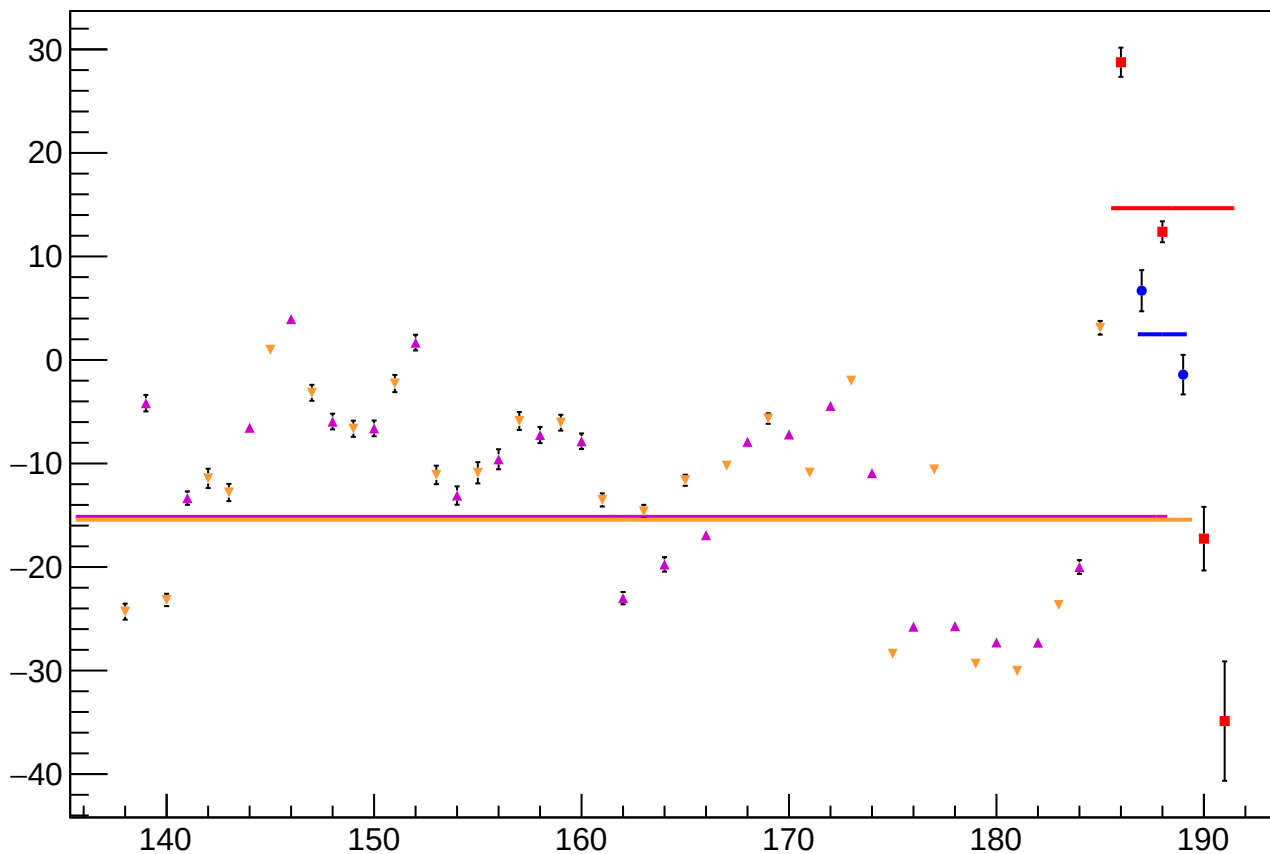
Right: 0.095 ± 0.008 χ^2/NDF : 298.3/41

In: 0.345 ± 0.005 χ^2/NDF : 2398.6/41

Out: 0.365 ± 0.005 χ^2/NDF : 2220.1/47

All: 0.355 ± 0.003 χ^2/NDF : 4626.8/89

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.479 ± 1.377 χ^2/NDF : 8.6/1

Left Out: -15.427 ± 0.105 χ^2/NDF : 10499.6/24

Right Out: 14.661 ± 0.787 χ^2/NDF : 286.9/3

Left In: -15.151 ± 0.106 χ^2/NDF : 8744.3/22

Left: -15.290 ± 0.075 χ^2/NDF : 19247.4/47

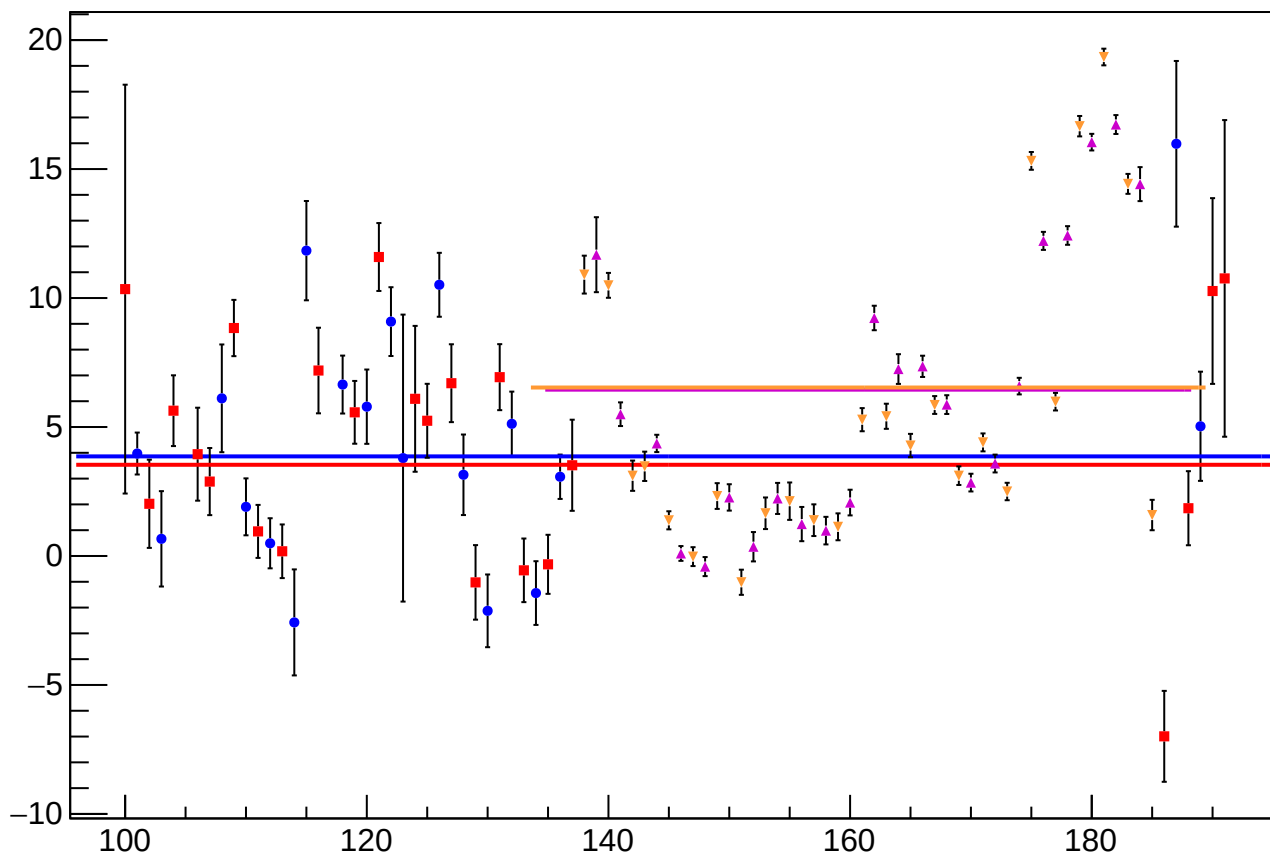
Right: 11.662 ± 0.683 χ^2/NDF : 354.6/5

In: -15.047 ± 0.106 χ^2/NDF : 8915.8/24

Out: -14.898 ± 0.104 χ^2/NDF : 12222.2/28

All: -14.971 ± 0.074 χ^2/NDF : 21139.1/53

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.861 ± 0.304 χ^2/NDF : 151.5/18

Left Out: 6.531 ± 0.086 χ^2/NDF : 4969.5/24

Right Out: 3.536 ± 0.303 χ^2/NDF : 177.5/22

Left In: 6.448 ± 0.086 χ^2/NDF : 3955.6/22

Left: 6.490 ± 0.061 χ^2/NDF : 8925.6/47

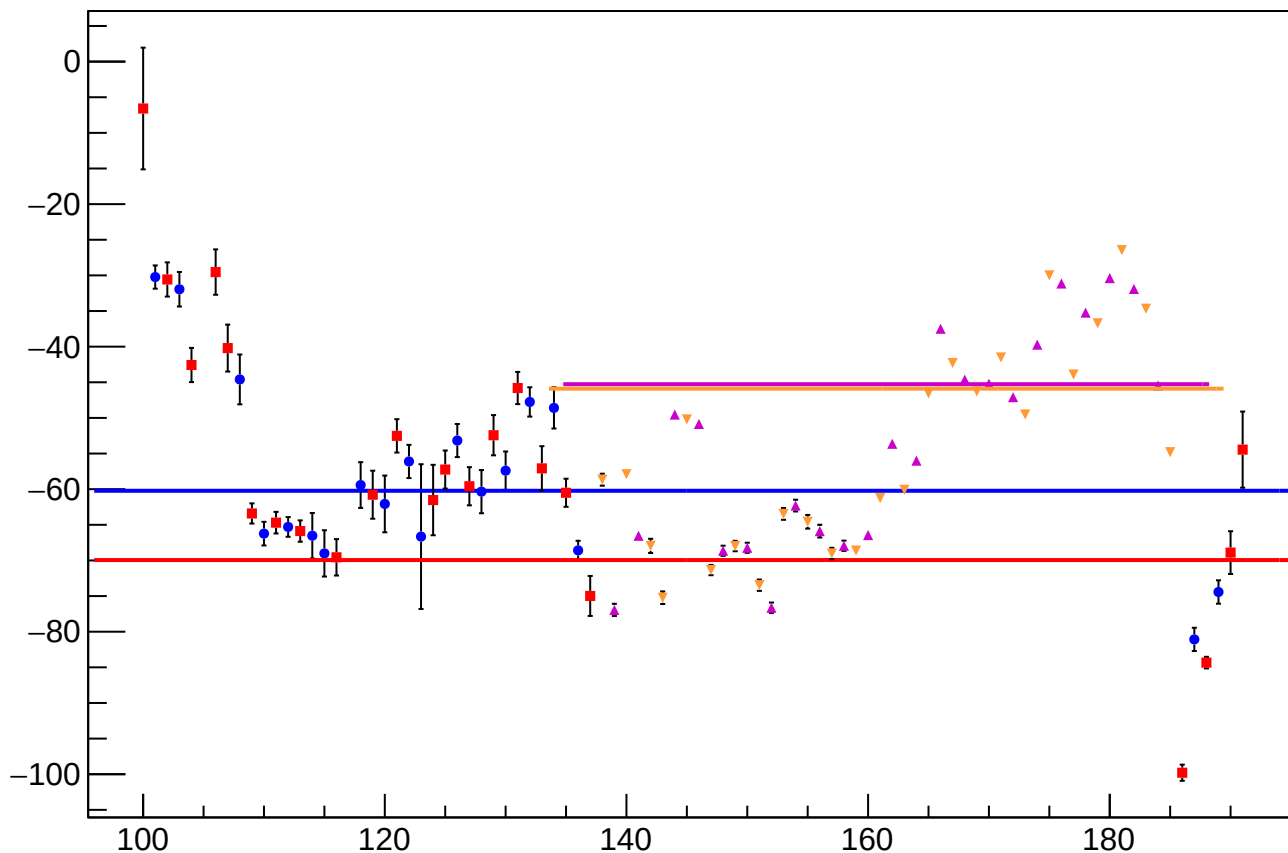
Right: 3.698 ± 0.214 χ^2/NDF : 329.6/41

In: 6.257 ± 0.083 χ^2/NDF : 4174.2/41

Out: 6.309 ± 0.082 χ^2/NDF : 5237.7/47

All: 6.283 ± 0.058 χ^2/NDF : 9412.1/89

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -60.224 ± 0.491 χ^2/NDF : 875.7/18

Left Out: -45.897 ± 0.106 χ^2/NDF : 17133.8/24

Right Out: -69.946 ± 0.411 χ^2/NDF : 2050.5/22

Left In: -45.268 ± 0.107 χ^2/NDF : 15775.7/22

Left: -45.584 ± 0.075 χ^2/NDF : 32927.0/47

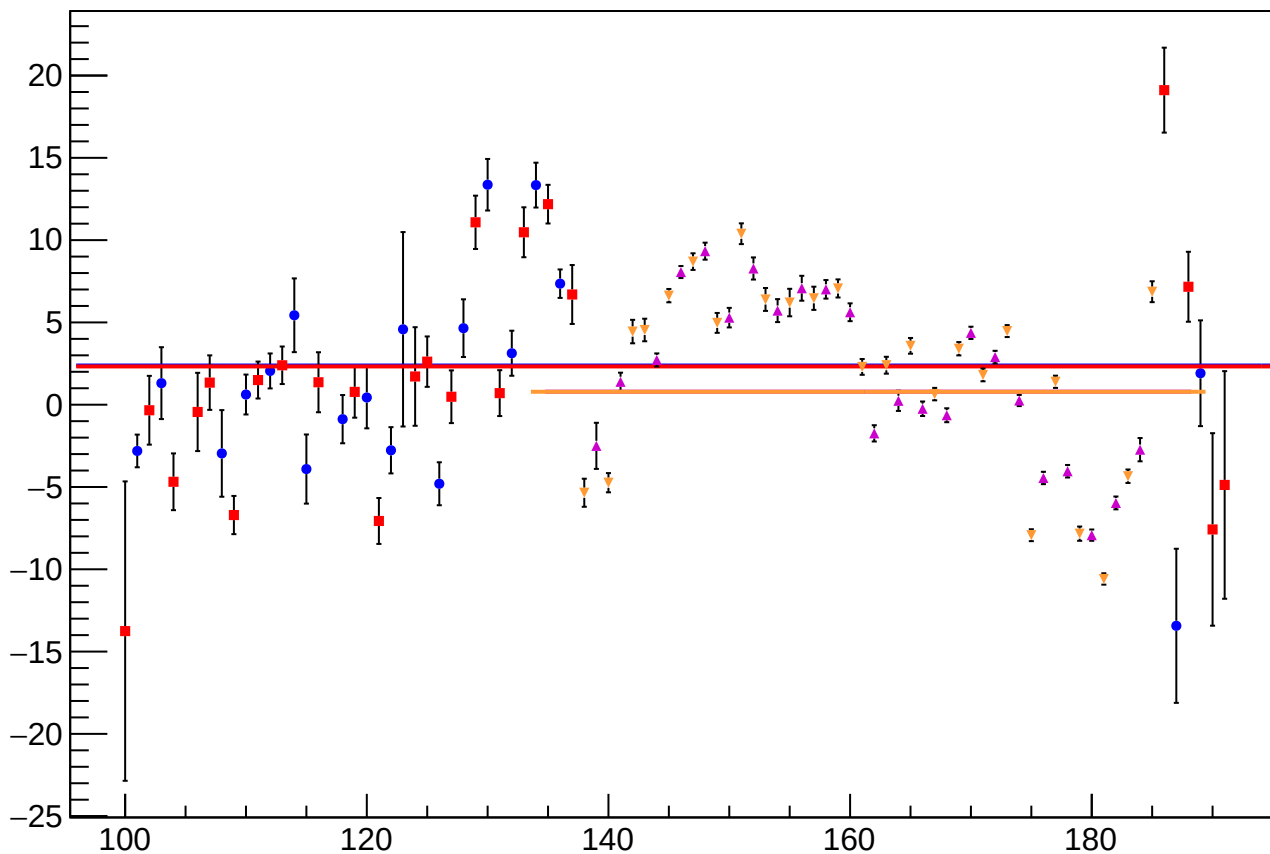
Right: -65.934 ± 0.315 χ^2/NDF : 3156.7/41

In: -45.944 ± 0.104 χ^2/NDF : 17538.1/41

Out: -47.403 ± 0.103 χ^2/NDF : 22387.1/47

All: -46.683 ± 0.073 χ^2/NDF : 40024.4/89

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.381 ± 0.343 χ^2/NDF : 255.1/18

Left Out: 0.787 ± 0.096 χ^2/NDF : 3746.7/24

Right Out: 2.325 ± 0.346 χ^2/NDF : 319.4/22

Left In: 0.791 ± 0.096 χ^2/NDF : 2697.7/22

Left: 0.789 ± 0.068 χ^2/NDF : 6444.4/47

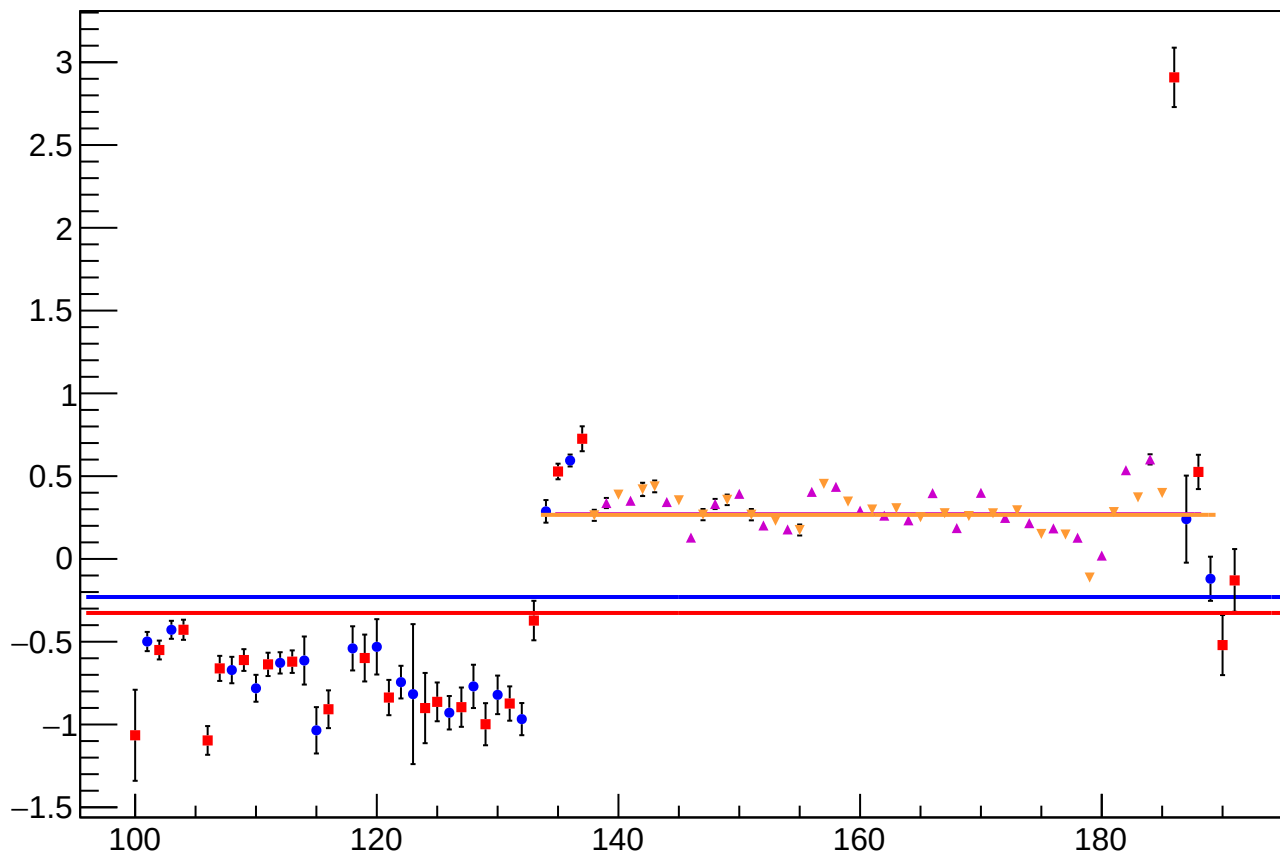
Right: 2.353 ± 0.243 χ^2/NDF : 574.4/41

In: 0.907 ± 0.093 χ^2/NDF : 2972.7/41

Out: 0.896 ± 0.092 χ^2/NDF : 4084.5/47

All: 0.902 ± 0.065 χ^2/NDF : 7057.2/89

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.230 ± 0.019 χ^2/NDF : 962.4/18

Left Out: 0.266 ± 0.004 χ^2/NDF : 698.1/24

Right Out: -0.326 ± 0.018 χ^2/NDF : 1260.0/22

Left In: 0.270 ± 0.004 χ^2/NDF : 973.5/22

Left: 0.268 ± 0.003 χ^2/NDF : 1672.0/47

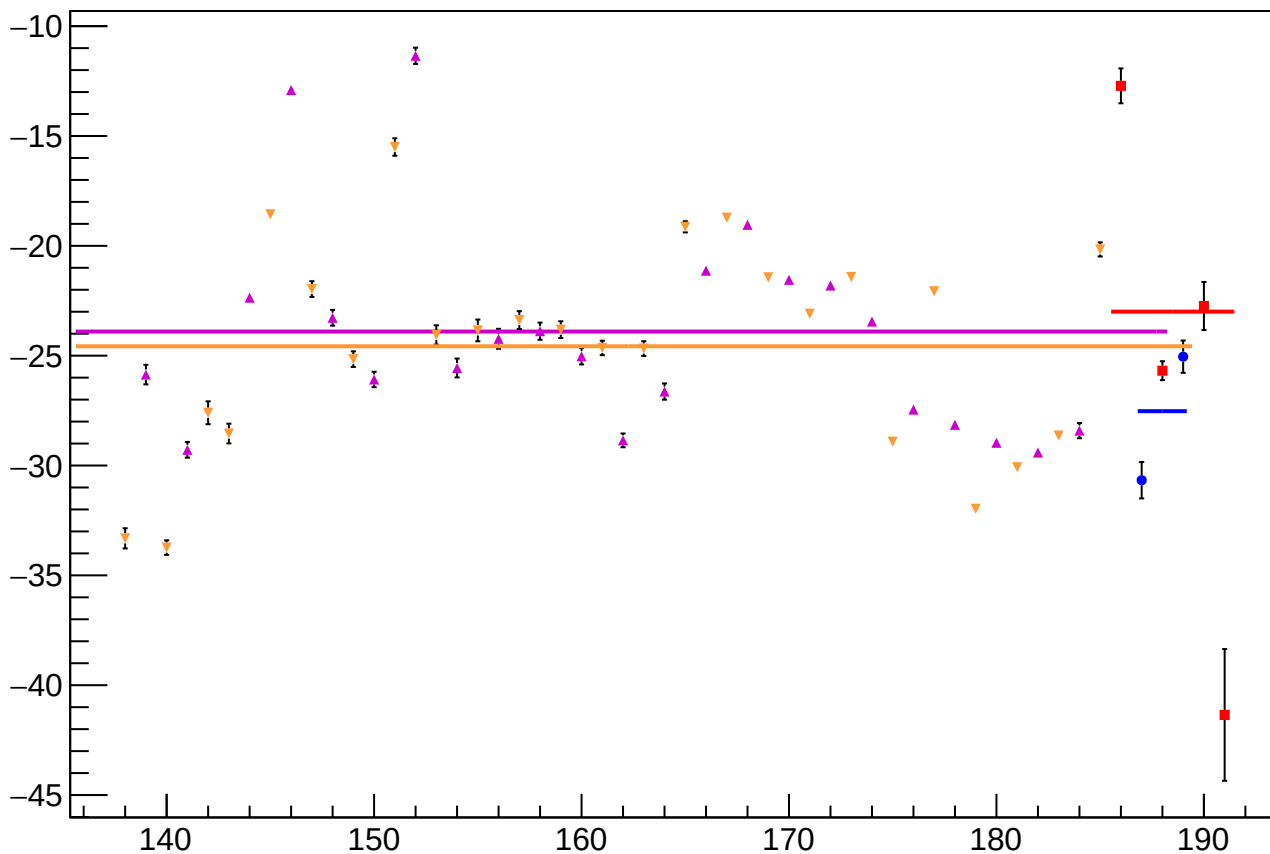
Right: -0.279 ± 0.013 χ^2/NDF : 2235.9/41

In: 0.244 ± 0.004 χ^2/NDF : 2618.4/41

Out: 0.235 ± 0.004 χ^2/NDF : 2944.0/47

All: 0.239 ± 0.003 χ^2/NDF : 5564.8/89

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -27.526 ± 0.550 χ^2/NDF : 25.8/1

Left Out: -24.571 ± 0.051 χ^2/NDF : 8610.0/24

Right Out: -22.995 ± 0.355 χ^2/NDF : 244.2/3

Left In: -23.902 ± 0.051 χ^2/NDF : 9158.9/22

Left: -24.236 ± 0.036 χ^2/NDF : 17855.2/47

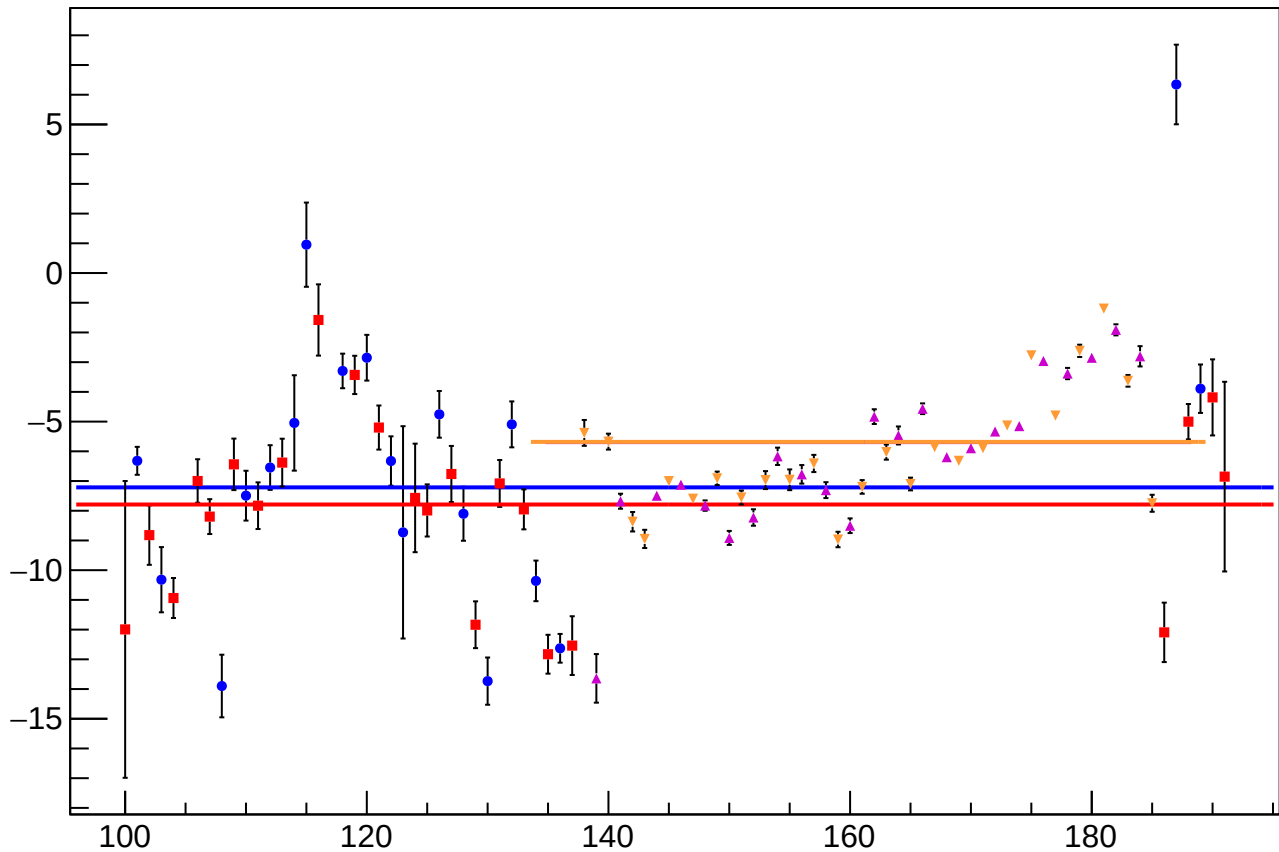
Right: -24.330 ± 0.298 χ^2/NDF : 317.9/5

In: -23.933 ± 0.051 χ^2/NDF : 9227.8/24

Out: -24.539 ± 0.050 χ^2/NDF : 8873.4/28

All: -24.237 ± 0.036 χ^2/NDF : 18173.2/53

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.214 ± 0.179 $\chi^2/\text{NDF}: 518.0/18$

Left Out: -5.683 ± 0.041 $\chi^2/\text{NDF}: 2231.0/24$

Right Out: -7.790 ± 0.173 $\chi^2/\text{NDF}: 275.1/22$

Left In: -5.690 ± 0.041 $\chi^2/\text{NDF}: 2328.2/22$

Left: -5.686 ± 0.029 $\chi^2/\text{NDF}: 4559.2/47$

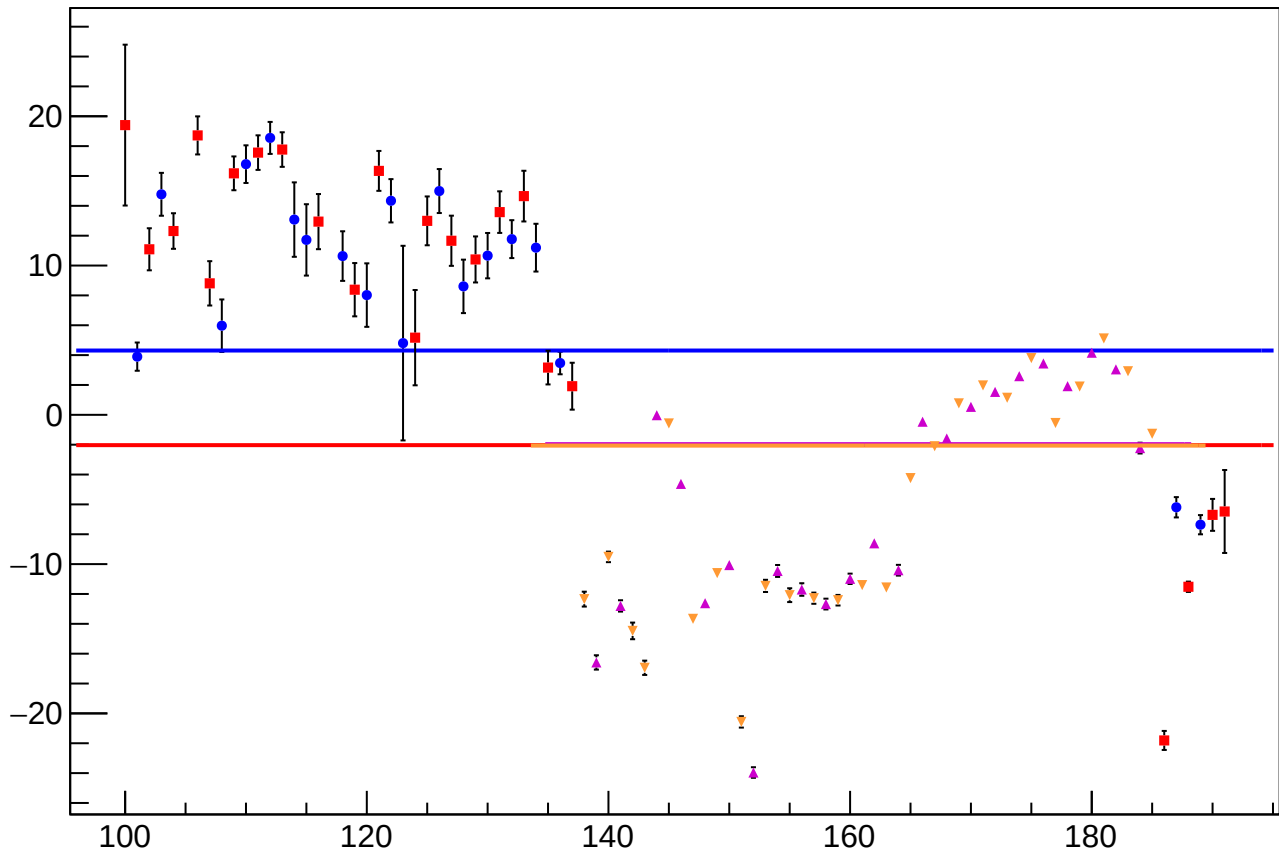
Right: -7.512 ± 0.124 $\chi^2/\text{NDF}: 798.5/41$

In: -5.764 ± 0.040 $\chi^2/\text{NDF}: 2914.9/41$

Out: -5.796 ± 0.040 $\chi^2/\text{NDF}: 2646.8/47$

All: -5.780 ± 0.028 $\chi^2/\text{NDF}: 5562.0/89$

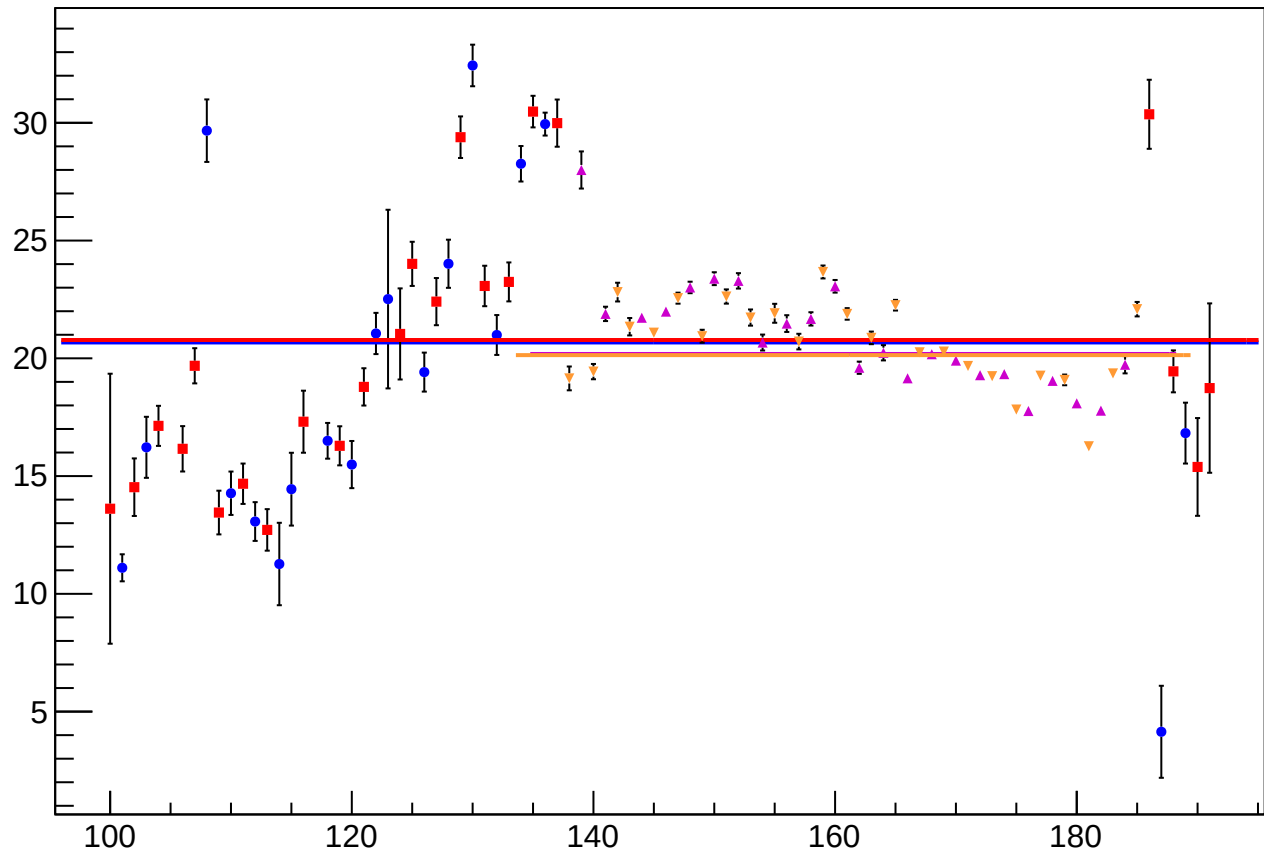
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.307 ± 0.273 $\chi^2/\text{NDF}: 1113.4/18$
 Left Out: -2.055 ± 0.051 $\chi^2/\text{NDF}: 16042.5/24$
 Right Out: -2.031 ± 0.219 $\chi^2/\text{NDF}: 3899.0/22$
 Left In: -1.963 ± 0.051 $\chi^2/\text{NDF}: 15492.9/22$

Left: -2.009 ± 0.036 $\chi^2/\text{NDF}: 31537.0/47$
 Right: 0.447 ± 0.171 $\chi^2/\text{NDF}: 5340.1/41$
 In: -1.751 ± 0.050 $\chi^2/\text{NDF}: 17115.1/41$
 Out: -2.054 ± 0.050 $\chi^2/\text{NDF}: 19941.5/47$
 All: -1.903 ± 0.035 $\chi^2/\text{NDF}: 37074.8/89$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.674 $\pm$ 0.206 χ^2 /NDF: 1307.9/18

Left Out: 20.136 $\pm$ 0.046 χ^2 /NDF:1414.2/24

Right Out: 20.778 $\pm$ 0.204 χ^2 /NDF: 782.0/22

Left In: 20.184 $\pm$ 0.046 χ^2 /NDF:1470.7/22

Left: 20.160 $\pm$ 0.032 χ^2 /NDF: 2885.5/47

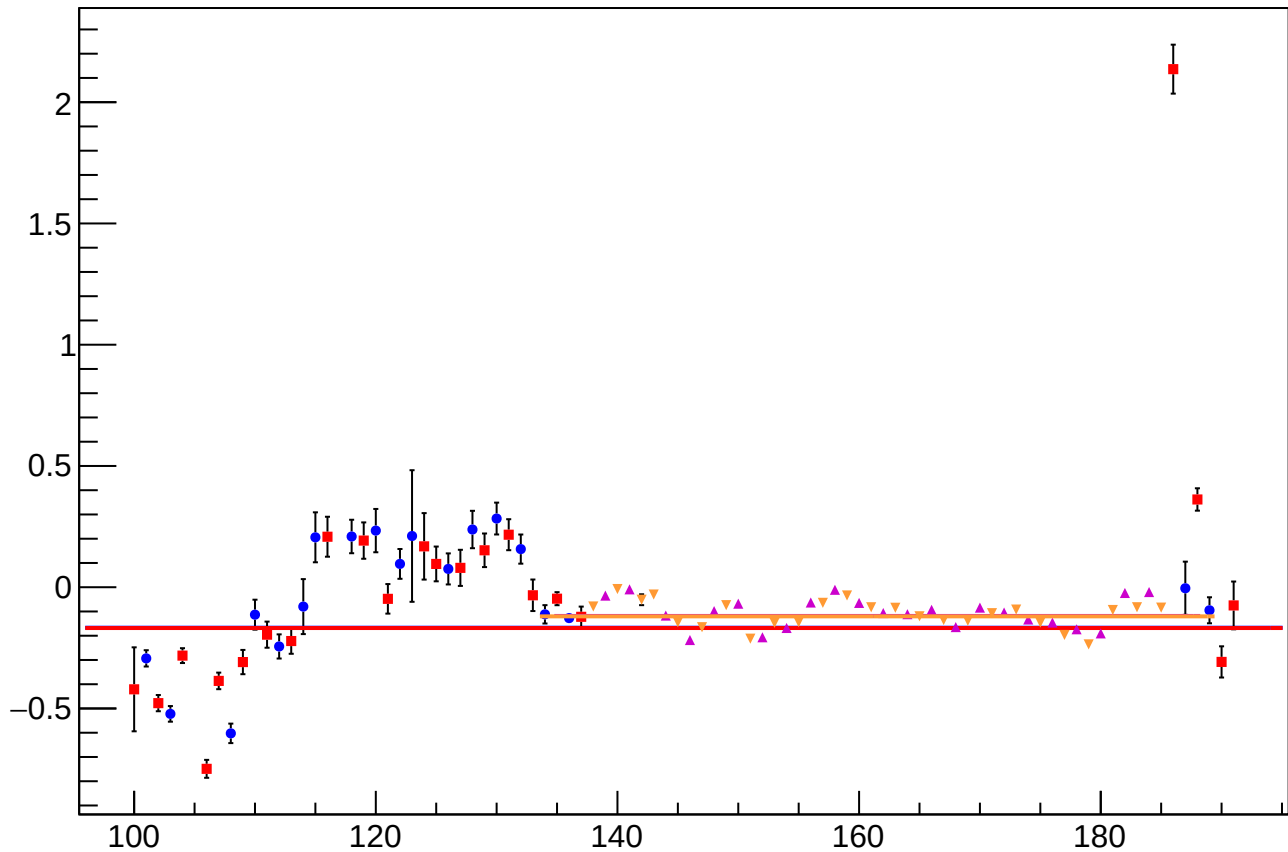
Right: 20.726 $\pm$ 0.145 χ^2 /NDF: 2090.0/41

In: 20.207 $\pm$ 0.045 χ^2 /NDF:2784.0/41

Out: 20.167 $\pm$ 0.045 χ^2 /NDF:2205.7/47

All: 20.187 $\pm$ 0.032 χ^2 /NDF: 4990.1/89

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.167 ± 0.011 $\chi^2/\text{NDF}: 468.4/18$

Left Out: -0.120 ± 0.002 $\chi^2/\text{NDF}: 532.4/24$

Right Out: -0.168 ± 0.010 $\chi^2/\text{NDF}: 1219.1/22$

Left In: -0.118 ± 0.002 $\chi^2/\text{NDF}: 727.5/22$

Left: -0.119 ± 0.001 $\chi^2/\text{NDF}: 1260.2/47$

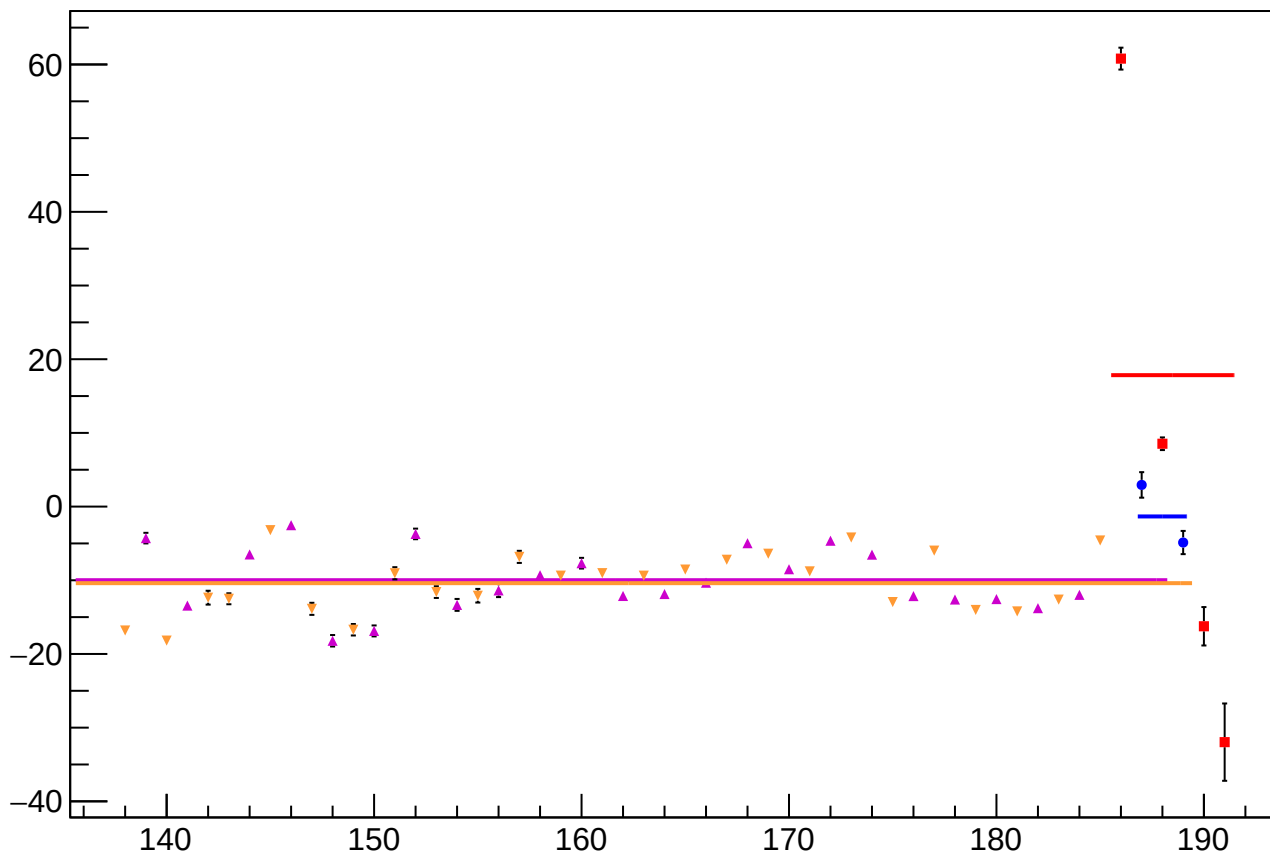
Right: -0.168 ± 0.008 $\chi^2/\text{NDF}: 1687.4/41$

In: -0.120 ± 0.002 $\chi^2/\text{NDF}: 1214.9/41$

Out: -0.122 ± 0.002 $\chi^2/\text{NDF}: 1772.1/47$

All: -0.121 ± 0.001 $\chi^2/\text{NDF}: 2987.4/89$

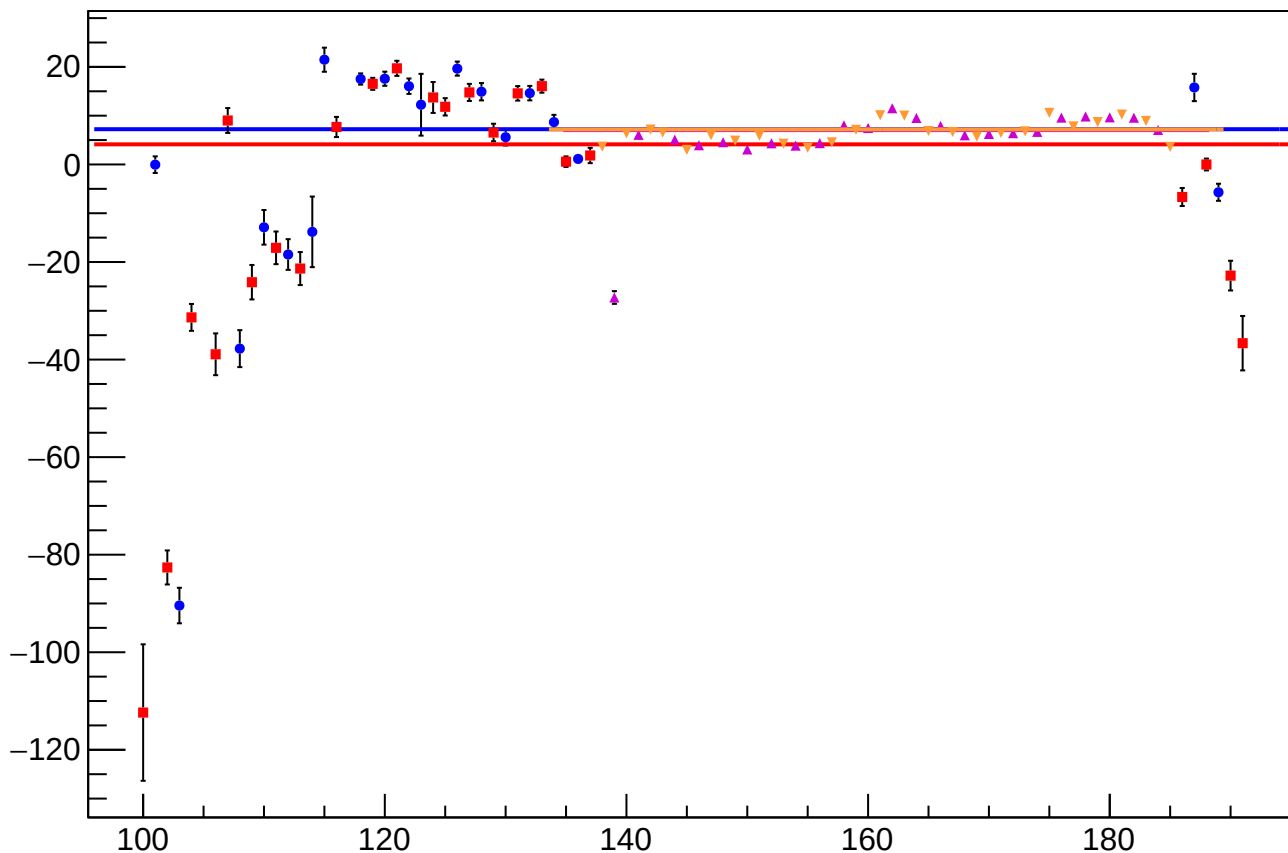
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.338 $\pm$ 1.166 χ^2/NDF : 11.1/1
 Left Out: -10.392 $\pm$ 0.088 χ^2/NDF :2112.5/24
 Right Out: 17.836 $\pm$ 0.709 χ^2/NDF : 1213.5/3
 Left In: -9.990 $\pm$ 0.089 χ^2/NDF :1794.2/22

Left: -10.194 $\pm$ 0.063 χ^2/NDF : 3917.0/47
 Right: 12.661 $\pm$ 0.606 χ^2/NDF : 1422.2/5
 In: -9.940 $\pm$ 0.089 χ^2/NDF :1860.1/24
 Out: -9.964 $\pm$ 0.087 χ^2/NDF :4888.5/28
 All: -9.952 $\pm$ 0.062 χ^2/NDF : 6748.6/53

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Left: 7.115 $\pm$ 0.052 χ^2/NDF : 2522.8/47

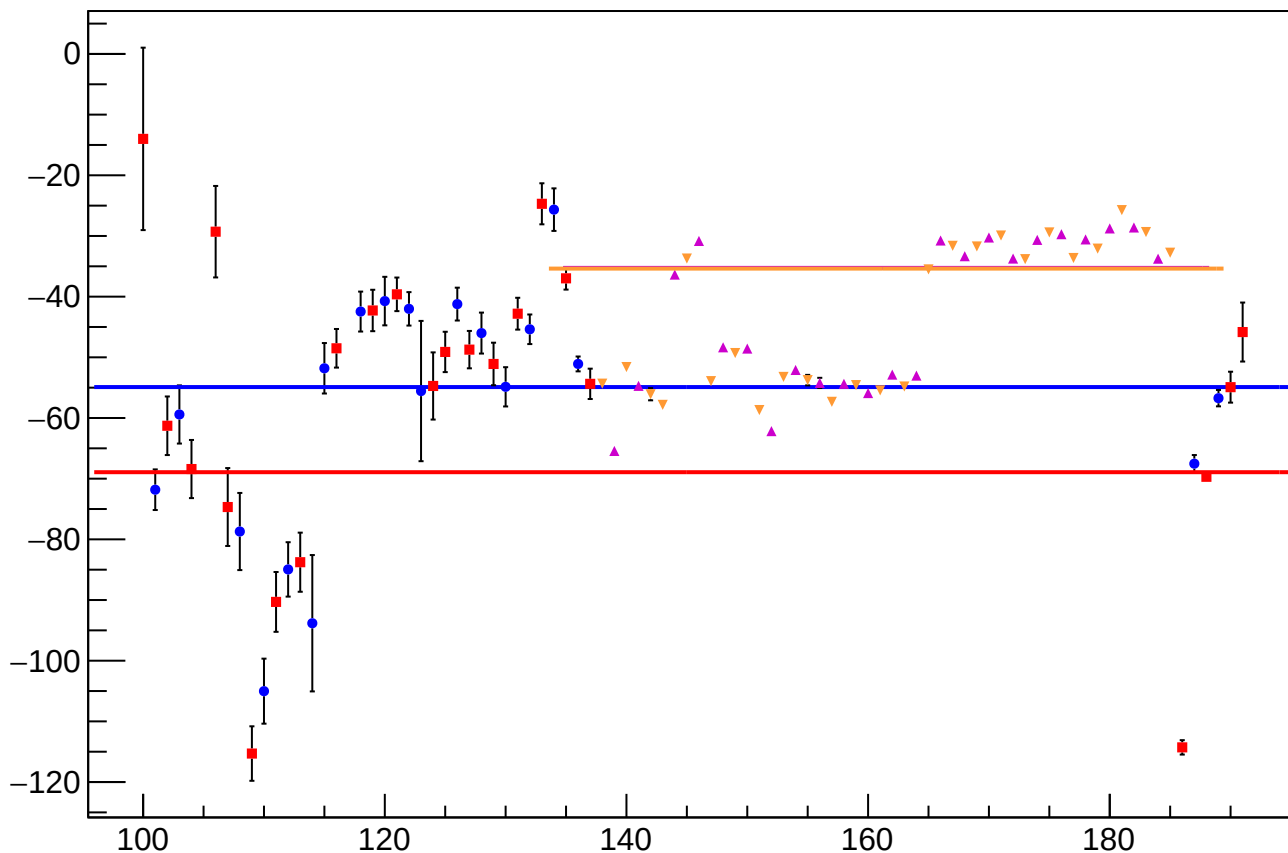
Right: 5.701 $\pm$ 0.277 χ^2/NDF : 3163.9/41

In: 7.049 $\pm$ 0.073 χ^2/NDF : 3028.8/41

Out: 7.084 $\pm$ 0.072 χ^2/NDF : 2682.9/47

All: 7.067 $\pm$ 0.051 χ^2/NDF : 5711.9/89

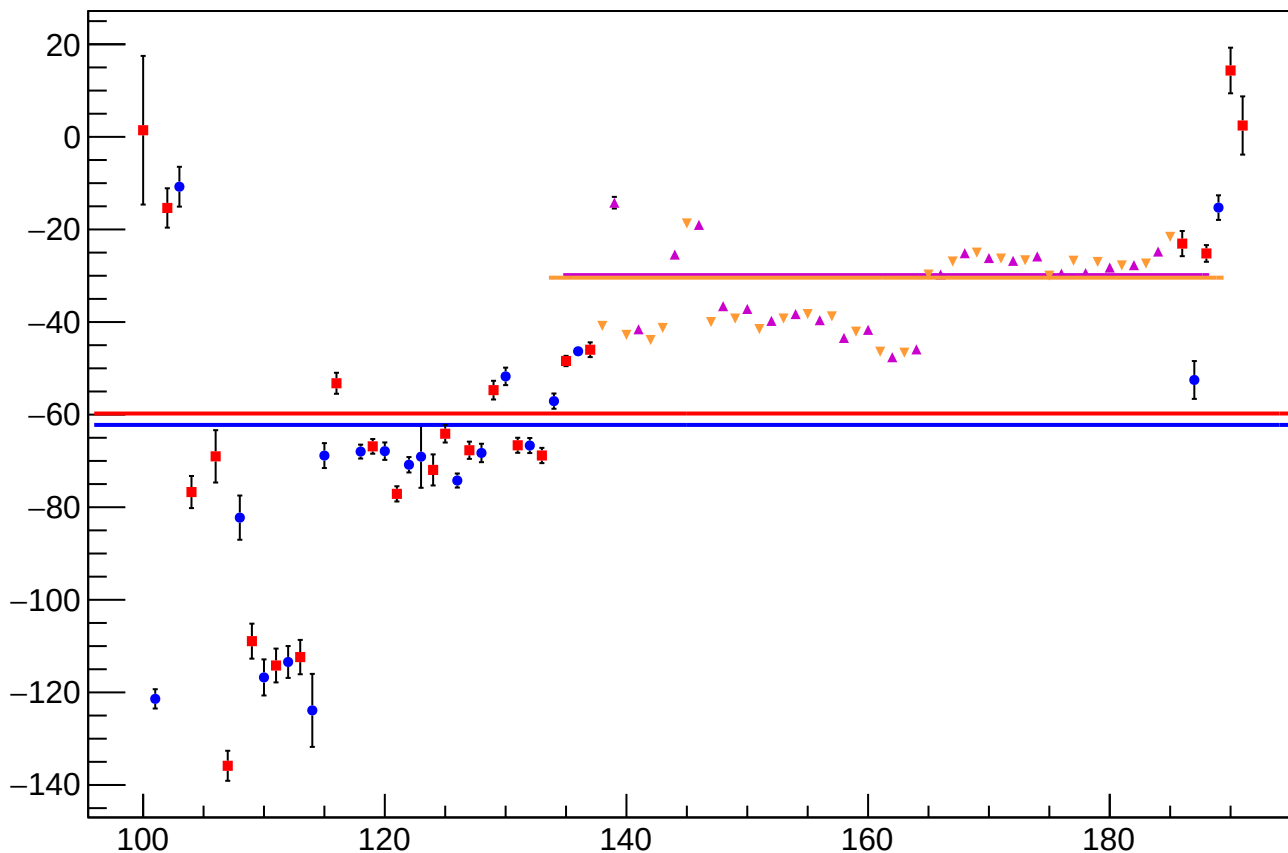
reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.902 ± 0.589 χ^2/NDF : 441.6/18
 Left Out: -35.377 ± 0.089 χ^2/NDF : 12628.3/24
 Right Out: -68.932 ± 0.468 χ^2/NDF : 2615.8/22
 Left In: -35.260 ± 0.090 χ^2/NDF : 11769.2/22

Left: -35.319 ± 0.063 χ^2/NDF : 24398.4/47
 Right: -63.503 ± 0.367 χ^2/NDF : 3405.0/41
 In: -35.705 ± 0.089 χ^2/NDF : 13296.7/41
 Out: -36.550 ± 0.088 χ^2/NDF : 20202.6/47
 All: -36.133 ± 0.062 χ^2/NDF : 33545.2/89

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -62.222 ± 0.437 $\chi^2/\text{NDF}: 2342.8/18$

Left Out: -30.415 ± 0.082 $\chi^2/\text{NDF}: 8132.2/24$

Right Out: -59.758 ± 0.456 $\chi^2/\text{NDF}: 2576.5/22$

Left In: -29.863 ± 0.082 $\chi^2/\text{NDF}: 7145.9/22$

Left: -30.141 ± 0.058 $\chi^2/\text{NDF}: 15300.8/47$

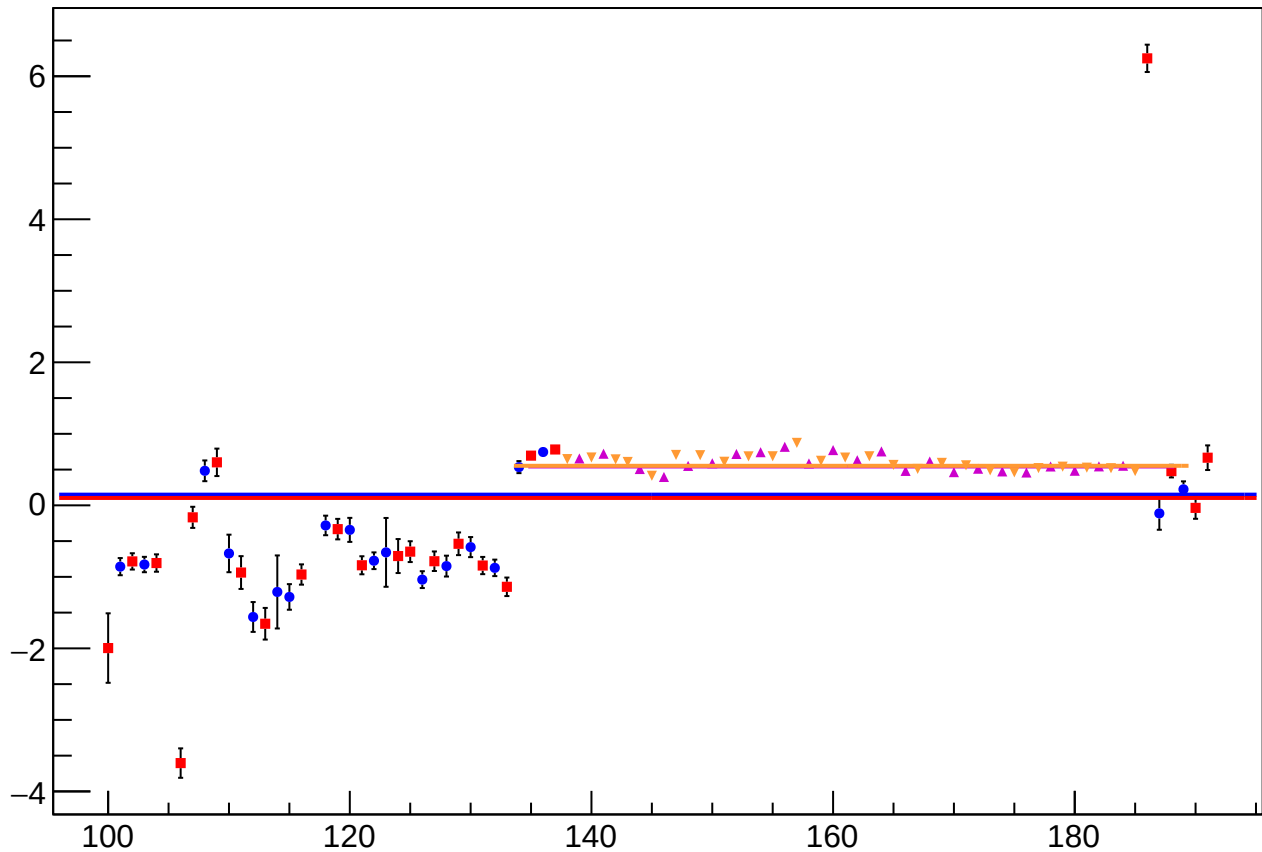
Right: -61.044 ± 0.315 $\chi^2/\text{NDF}: 4934.5/41$

In: -30.972 ± 0.081 $\chi^2/\text{NDF}: 14790.8/41$

Out: -31.325 ± 0.080 $\chi^2/\text{NDF}: 14717.7/47$

All: -31.150 ± 0.057 $\chi^2/\text{NDF}: 29518.1/89$

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.150 $\pm$ 0.023 χ^2 /NDF: 991.7/18

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF:542.9/24

Right Out: 0.103 $\pm$ 0.024 χ^2 /NDF: 2267.4/22

Left In: 0.544 $\pm$ 0.004 χ^2 /NDF:659.2/22

Left: 0.548 $\pm$ 0.003 χ^2 /NDF: 1205.2/47

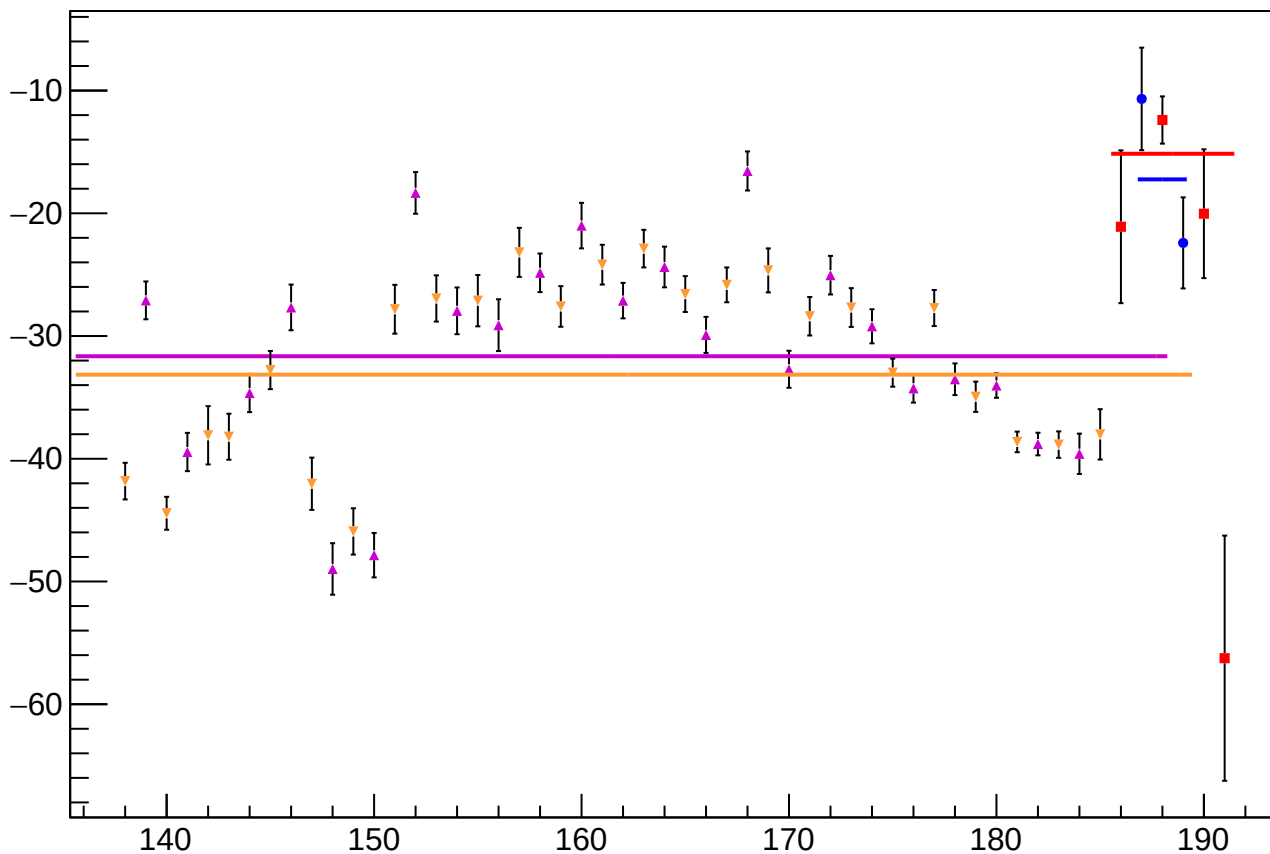
Right: 0.127 $\pm$ 0.017 χ^2 /NDF: 3260.9/41

In: 0.534 $\pm$ 0.004 χ^2 /NDF:1929.1/41

Out: 0.543 $\pm$ 0.004 χ^2 /NDF:3143.9/47

All: 0.538 $\pm$ 0.003 χ^2 /NDF: 5076.1/89

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -17.237 ± 2.774 $\chi^2/\text{NDF}: 4.4/1$

Left Out: -33.148 ± 0.301 $\chi^2/\text{NDF}: 500.0/24$

Right Out: -15.150 ± 1.709 $\chi^2/\text{NDF}: 20.8/3$

Left In: -31.647 ± 0.308 $\chi^2/\text{NDF}: 546.9/22$

Left: -32.414 ± 0.215 $\chi^2/\text{NDF}: 1059.0/47$

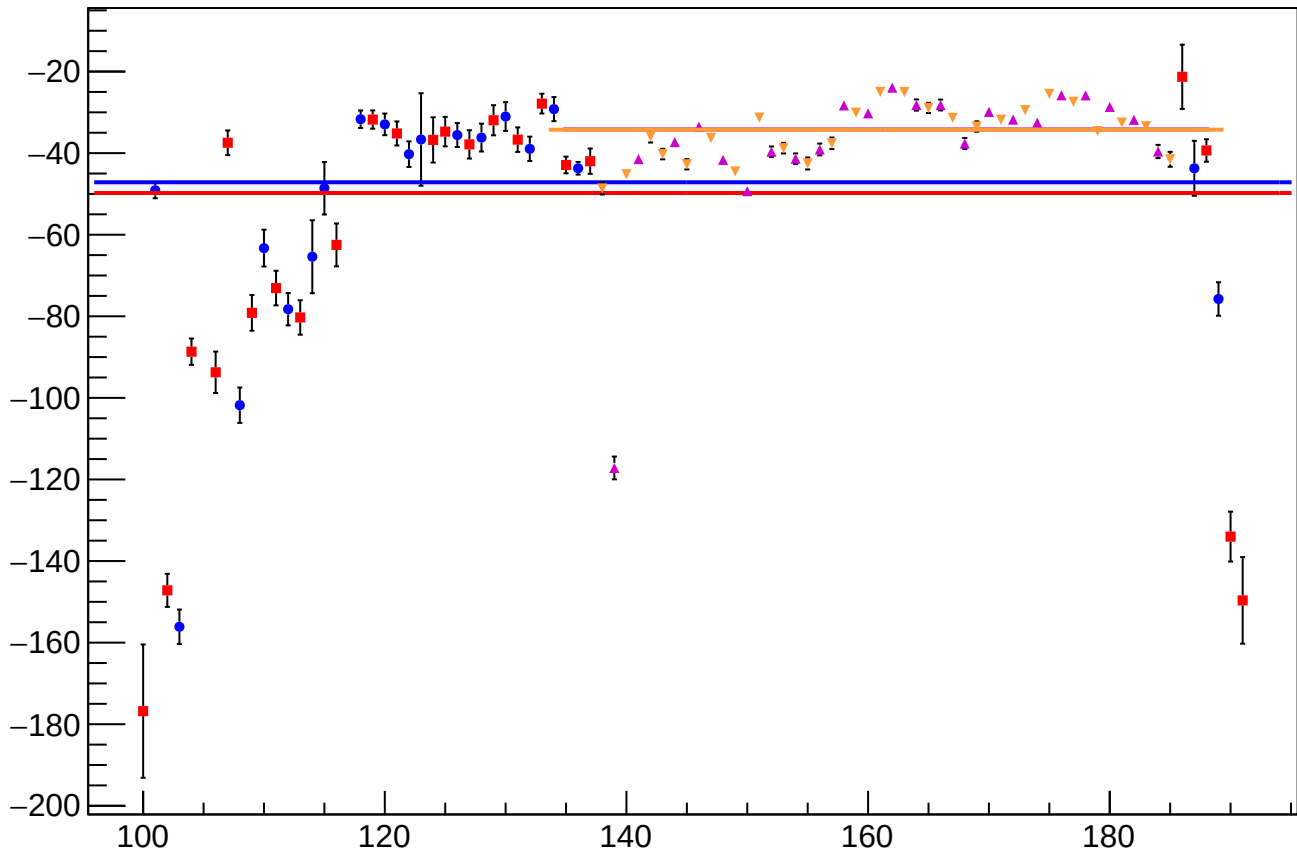
Right: -15.724 ± 1.455 $\chi^2/\text{NDF}: 25.6/5$

In: -31.472 ± 0.306 $\chi^2/\text{NDF}: 578.0/24$

Out: -32.607 ± 0.296 $\chi^2/\text{NDF}: 628.3/28$

All: -32.058 ± 0.213 $\chi^2/\text{NDF}: 1213.4/53$

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -47.146 ± 0.708 $\chi^2/\text{NDF}: 1134.1/18$

Left Out: -34.256 ± 0.242 $\chi^2/\text{NDF}: 693.3/24$

Right Out: -49.772 ± 0.726 $\chi^2/\text{NDF}: 1578.4/22$

Left In: -34.189 ± 0.250 $\chi^2/\text{NDF}: 1546.1/22$

Left: -34.224 ± 0.174 $\chi^2/\text{NDF}: 2239.5/47$

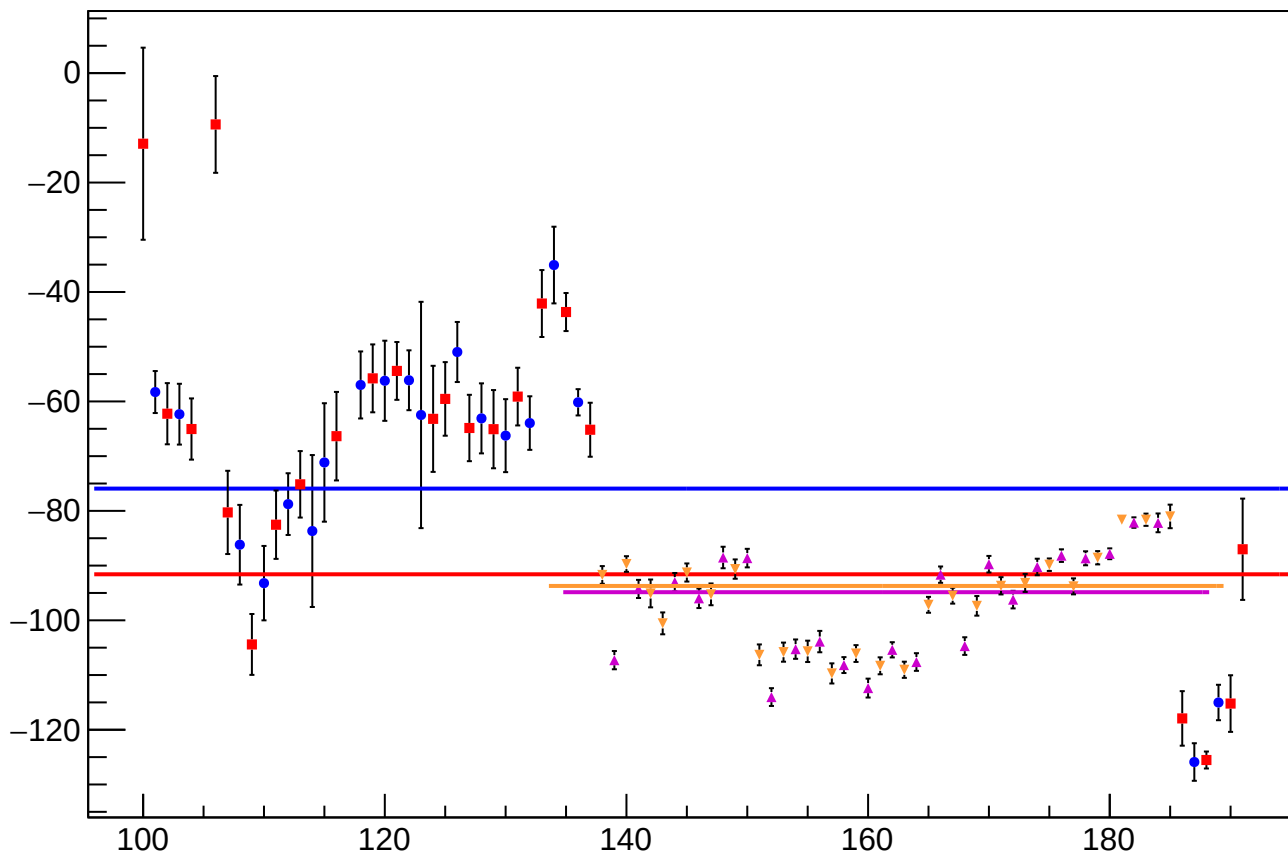
Right: -48.426 ± 0.507 $\chi^2/\text{NDF}: 2719.2/41$

In: -35.628 ± 0.236 $\chi^2/\text{NDF}: 2978.1/41$

Out: -35.809 ± 0.230 $\chi^2/\text{NDF}: 2682.9/47$

All: -35.721 ± 0.165 $\chi^2/\text{NDF}: 5661.2/89$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -75.928 ± 1.145 $\chi^2/\text{NDF}: 534.4/18$

Left Out: -93.719 ± 0.302 $\chi^2/\text{NDF}: 878.2/24$

Right Out: -91.589 ± 0.985 $\chi^2/\text{NDF}: 1180.7/22$

Left In: -94.861 ± 0.307 $\chi^2/\text{NDF}: 985.5/22$

Left: -94.280 ± 0.215 $\chi^2/\text{NDF}: 1870.7/47$

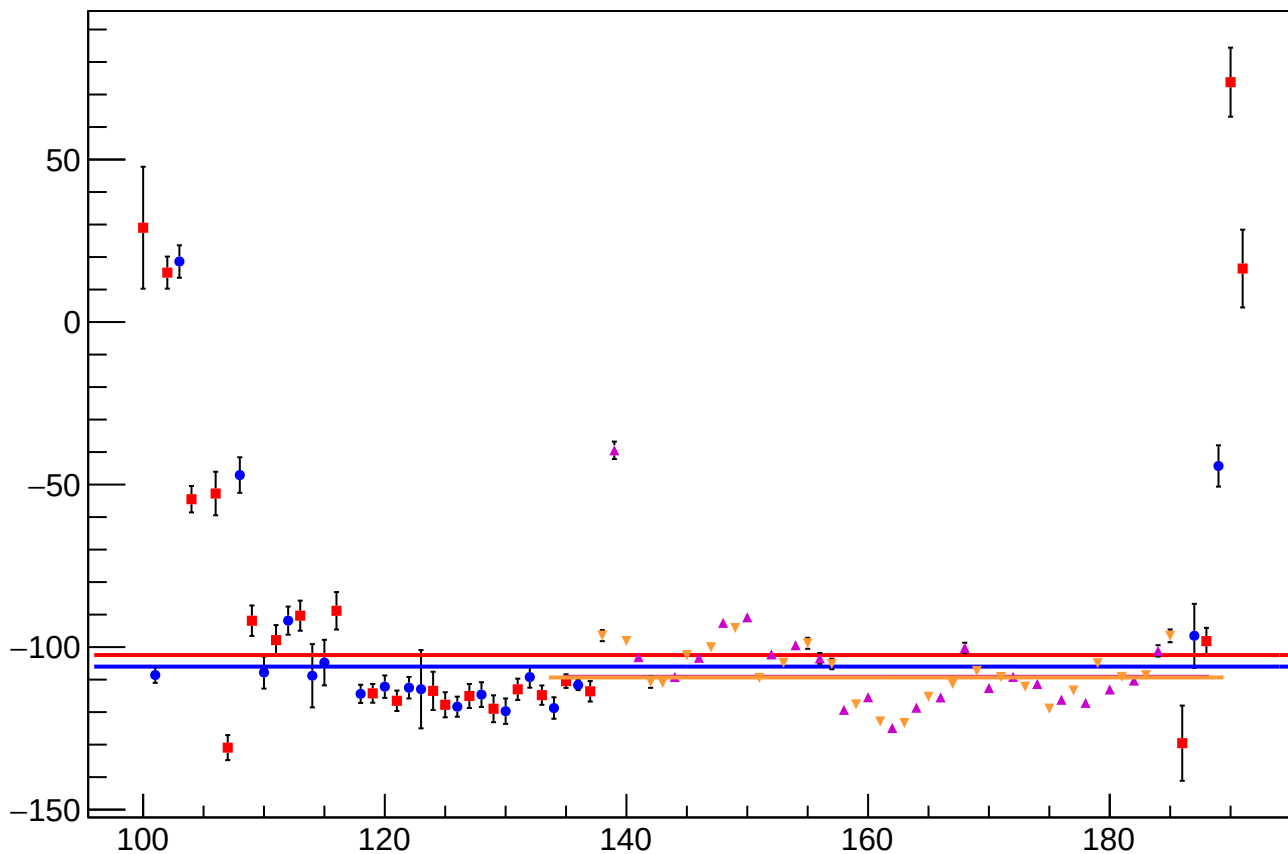
Right: -84.927 ± 0.747 $\chi^2/\text{NDF}: 1822.6/41$

In: -93.589 ± 0.297 $\chi^2/\text{NDF}: 1775.0/41$

Out: -93.536 ± 0.289 $\chi^2/\text{NDF}: 2063.1/47$

All: -93.561 ± 0.207 $\chi^2/\text{NDF}: 3838.1/89$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.997 ± 0.802 χ^2/NDF : 925.2/18

Left Out: -109.338 ± 0.272 χ^2/NDF : 826.2/24

Right Out: -102.454 ± 0.836 χ^2/NDF : 1404.2/22

Left In: -109.126 ± 0.279 χ^2/NDF : 1578.7/22

Left: -109.235 ± 0.195 χ^2/NDF : 2405.2/47

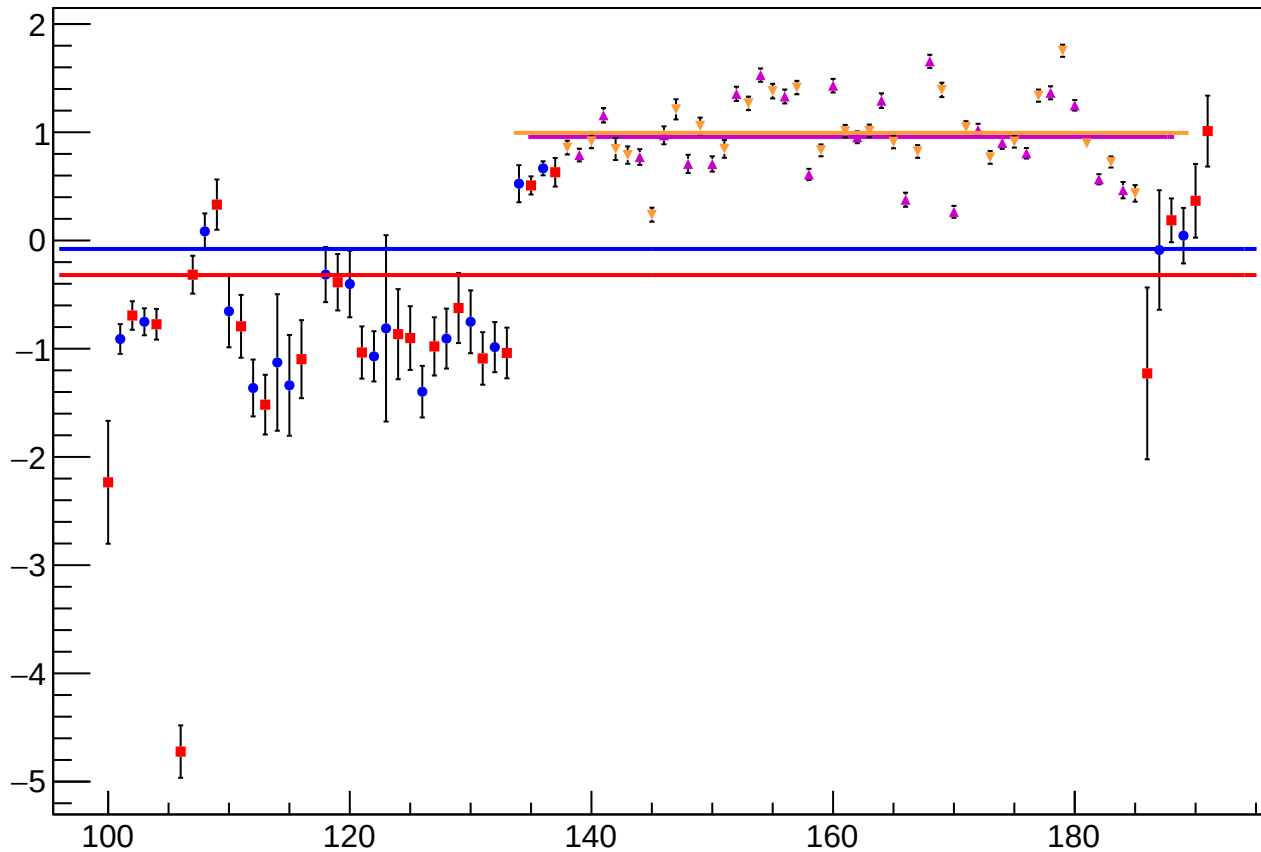
Right: -104.298 ± 0.579 χ^2/NDF : 2338.8/41

In: -108.788 ± 0.264 χ^2/NDF : 2517.5/41

Out: -108.679 ± 0.259 χ^2/NDF : 2291.7/47

All: -108.733 ± 0.185 χ^2/NDF : 4809.4/89

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.078 ± 0.041 χ^2/NDF : 329.2/18

Left Out: 0.995 ± 0.012 χ^2/NDF : 635.3/24

Right Out: -0.319 ± 0.042 χ^2/NDF : 612.8/22

Left In: 0.957 ± 0.013 χ^2/NDF : 896.5/22

Left: 0.976 ± 0.009 χ^2/NDF : 1536.3/47

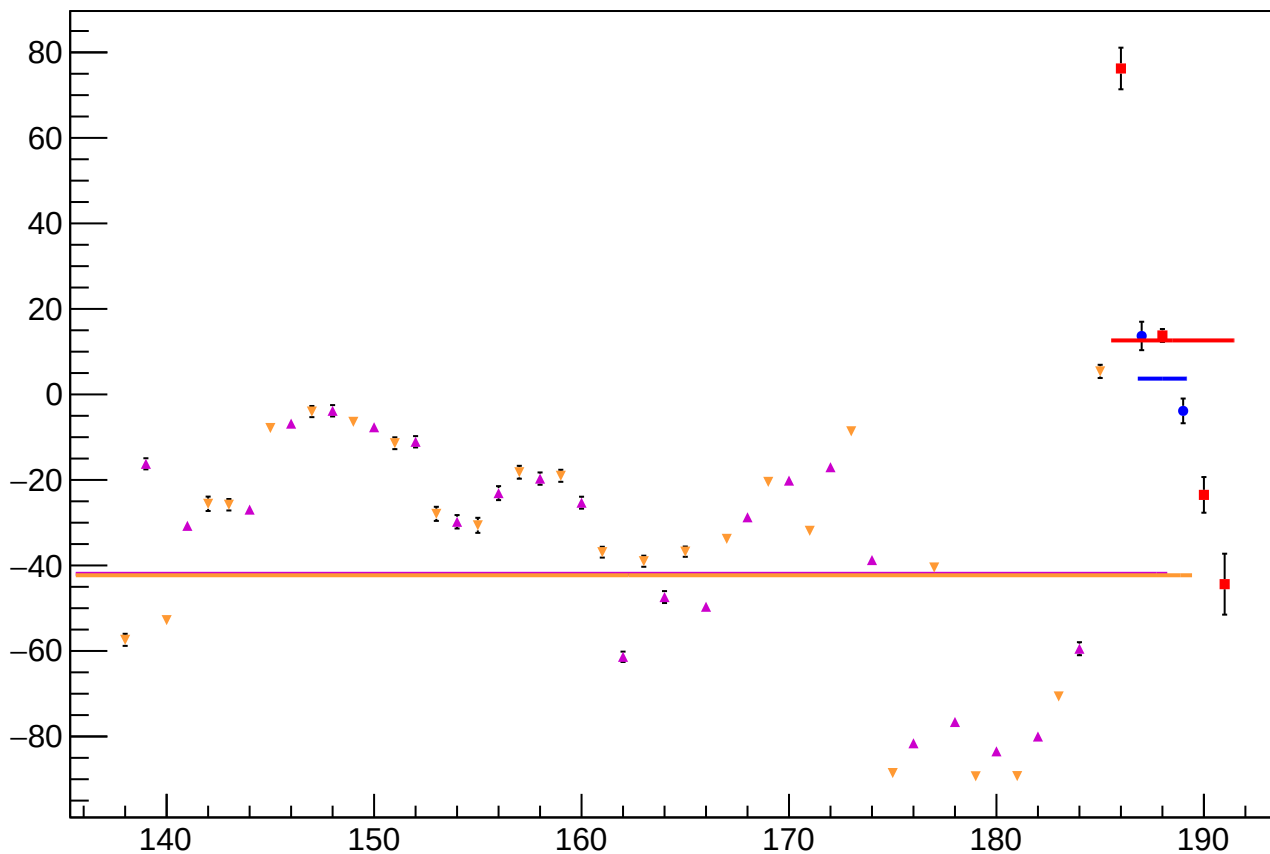
Right: -0.197 ± 0.030 χ^2/NDF : 958.6/41

In: 0.869 ± 0.012 χ^2/NDF : 1795.3/41

Out: 0.889 ± 0.012 χ^2/NDF : 2142.5/47

All: 0.880 ± 0.008 χ^2/NDF : 3939.1/89

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 3.694 ± 2.180 $\chi^2/\text{NDF}: 15.8/1$

Left Out: -42.295 ± 0.222 $\chi^2/\text{NDF}: 18267.5/24$

Right Out: 12.629 ± 1.337 $\chi^2/\text{NDF}: 310.3/3$

Left In: -41.955 ± 0.226 $\chi^2/\text{NDF}: 14723.4/22$

Left: -42.128 ± 0.159 $\chi^2/\text{NDF}: 32992.1/47$

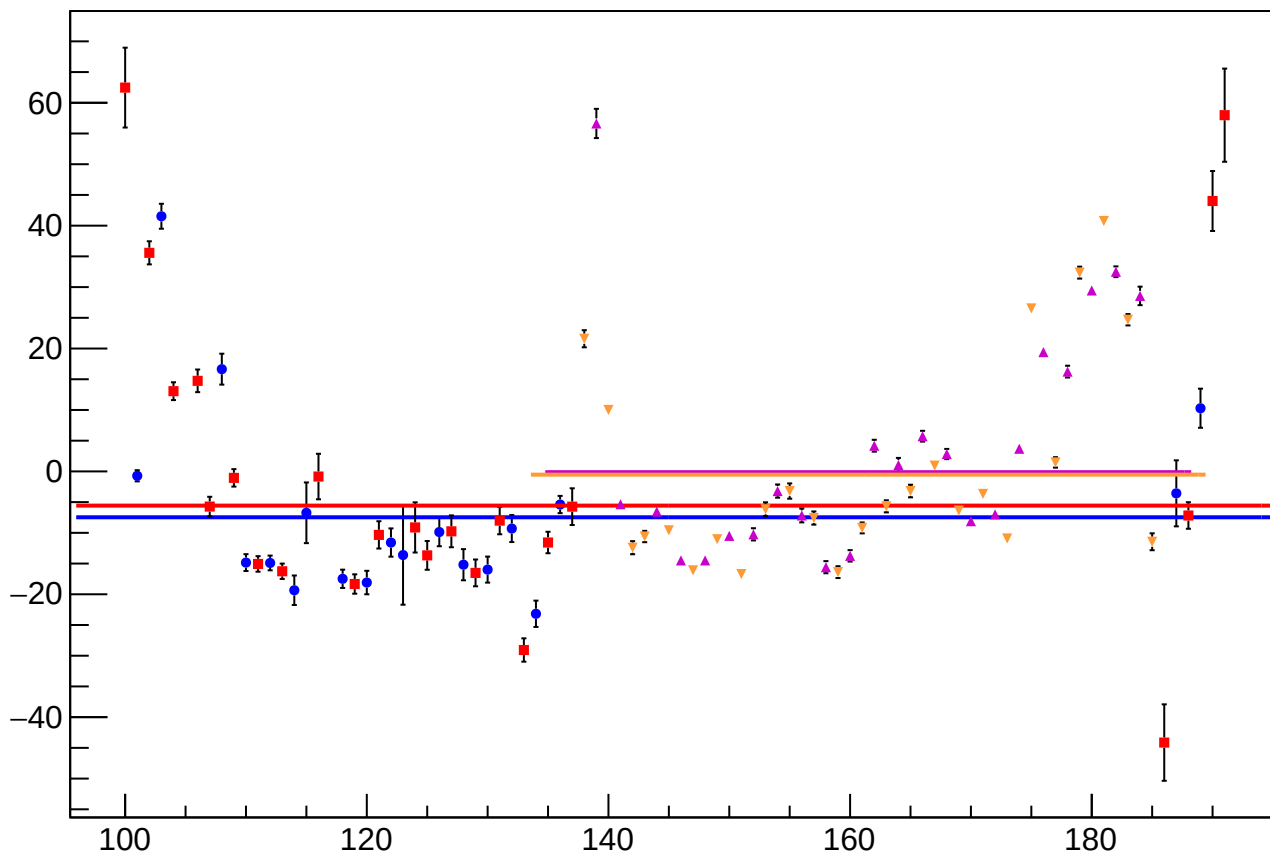
Right: 10.187 ± 1.140 $\chi^2/\text{NDF}: 338.3/5$

In: -41.470 ± 0.225 $\chi^2/\text{NDF}: 15172.9/24$

Out: -40.816 ± 0.219 $\chi^2/\text{NDF}: 20219.4/28$

All: -41.135 ± 0.157 $\chi^2/\text{NDF}: 35396.6/53$

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.468 ± 0.422 $\chi^2/\text{NDF}: 1015.0/18$

Left Out: -0.527 ± 0.175 $\chi^2/\text{NDF}: 8707.9/24$

Right Out: -5.568 ± 0.418 $\chi^2/\text{NDF}: 1506.2/22$

Left In: -0.125 ± 0.179 $\chi^2/\text{NDF}: 6925.0/22$

Left: -0.331 ± 0.125 $\chi^2/\text{NDF}: 15635.5/47$

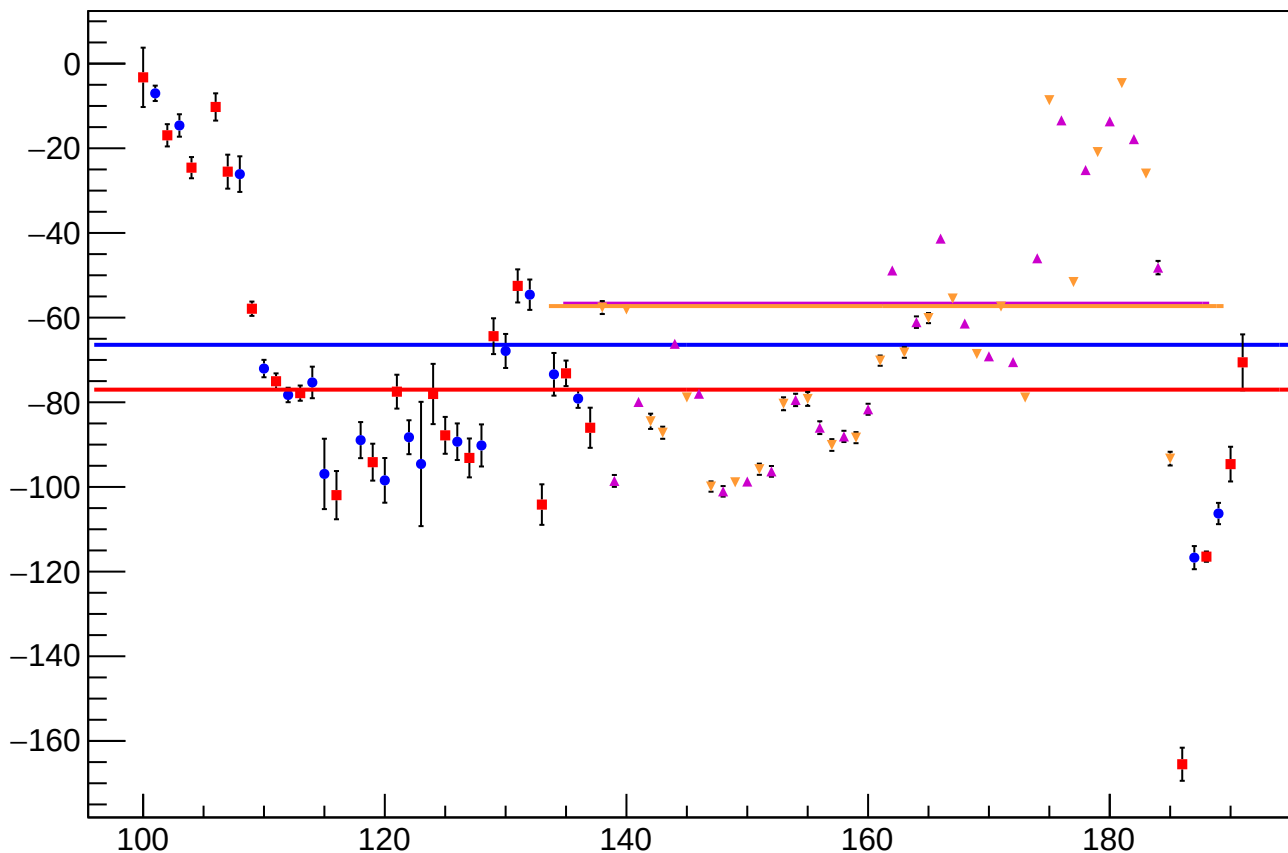
Right: -6.508 ± 0.297 $\chi^2/\text{NDF}: 2531.4/41$

In: -1.239 ± 0.164 $\chi^2/\text{NDF}: 8196.6/41$

Out: -1.278 ± 0.161 $\chi^2/\text{NDF}: 10338.0/47$

All: -1.259 ± 0.115 $\chi^2/\text{NDF}: 18534.6/89$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.427 ± 0.690 χ^2/NDF : 2404.3/18

Left Out: -57.276 ± 0.224 χ^2/NDF : 18511.1/24

Right Out: -77.014 ± 0.594 χ^2/NDF : 3513.8/22

Left In: -56.705 ± 0.226 χ^2/NDF : 16547.5/22

Left: -56.993 ± 0.159 χ^2/NDF : 35061.8/47

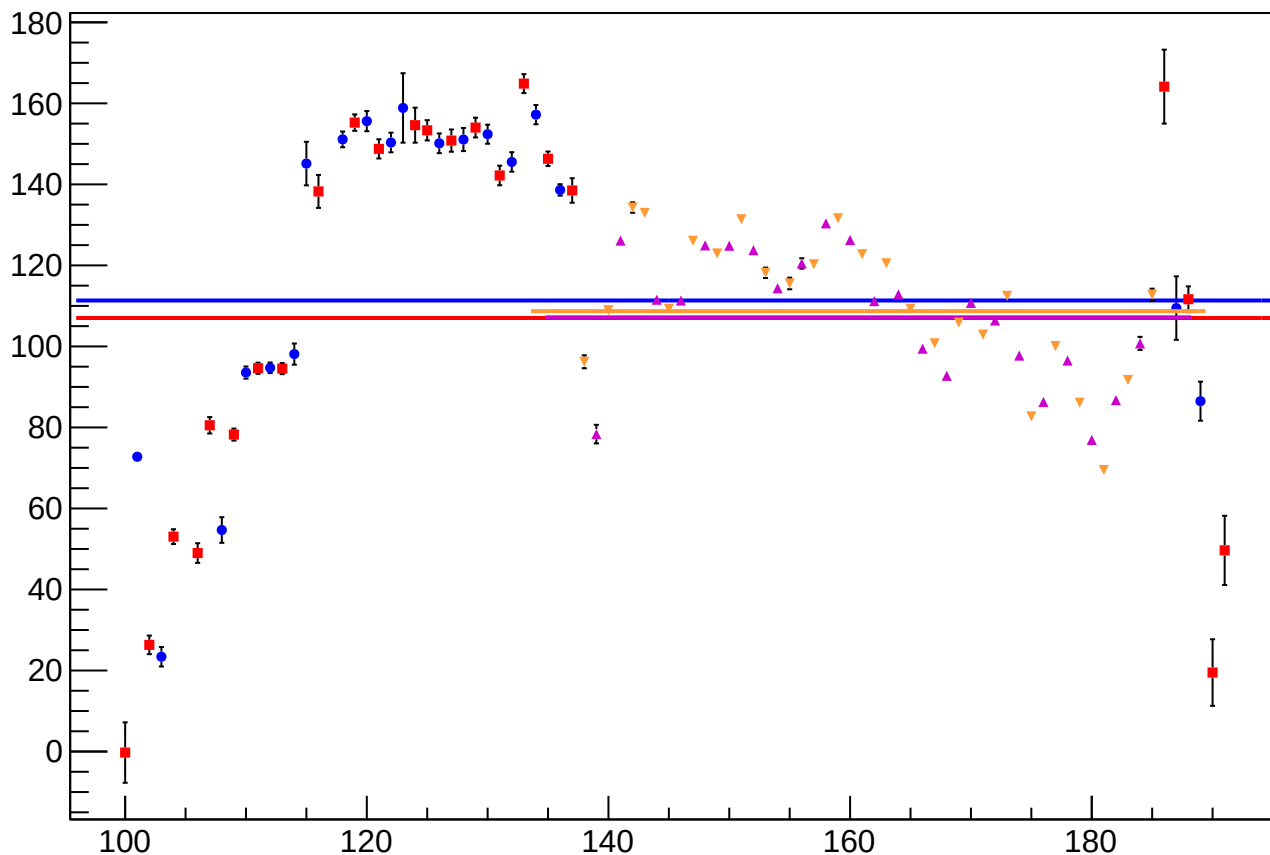
Right: -72.513 ± 0.450 χ^2/NDF : 6053.4/41

In: -57.647 ± 0.215 χ^2/NDF : 19131.1/41

Out: -59.729 ± 0.209 χ^2/NDF : 22993.4/47

All: -58.715 ± 0.150 χ^2/NDF : 42172.7/89

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.338 $\pm$ 0.483 χ^2 /NDF: 5986.5/18

Left Out: 108.709 $\pm$ 0.198 χ^2 /NDF: 7297.0/24

Right Out: 107.015 $\pm$ 0.480 χ^2 /NDF: 7237.4/22

Left In: 107.180 $\pm$ 0.202 χ^2 /NDF: 5592.3/22

Left: 107.959 $\pm$ 0.141 χ^2 /NDF: 12918.6/47

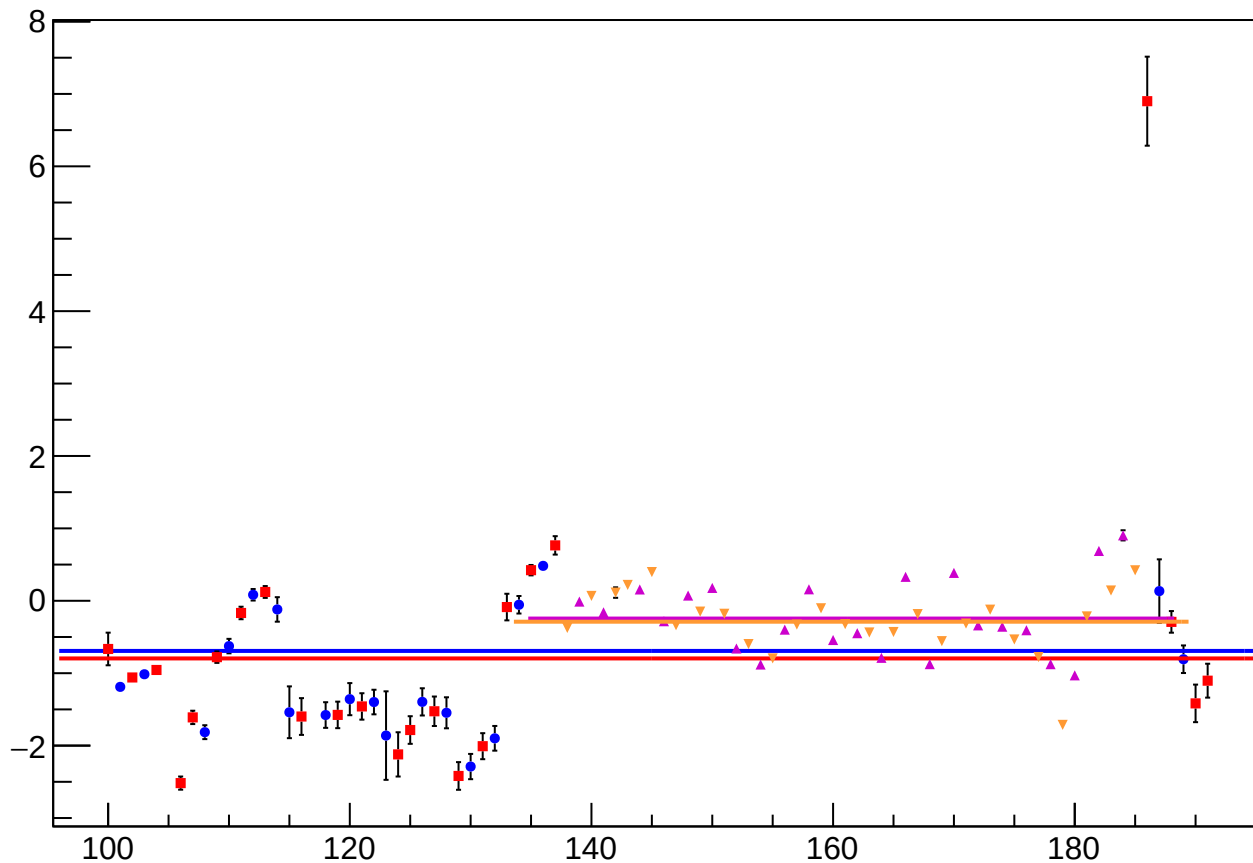
Right: 109.161 $\pm$ 0.340 χ^2 /NDF: 13264.1/41

In: 107.797 $\pm$ 0.186 χ^2 /NDF: 11641.9/41

Out: 108.463 $\pm$ 0.183 χ^2 /NDF: 14545.0/47

All: 108.136 $\pm$ 0.130 χ^2 /NDF: 26193.3/89

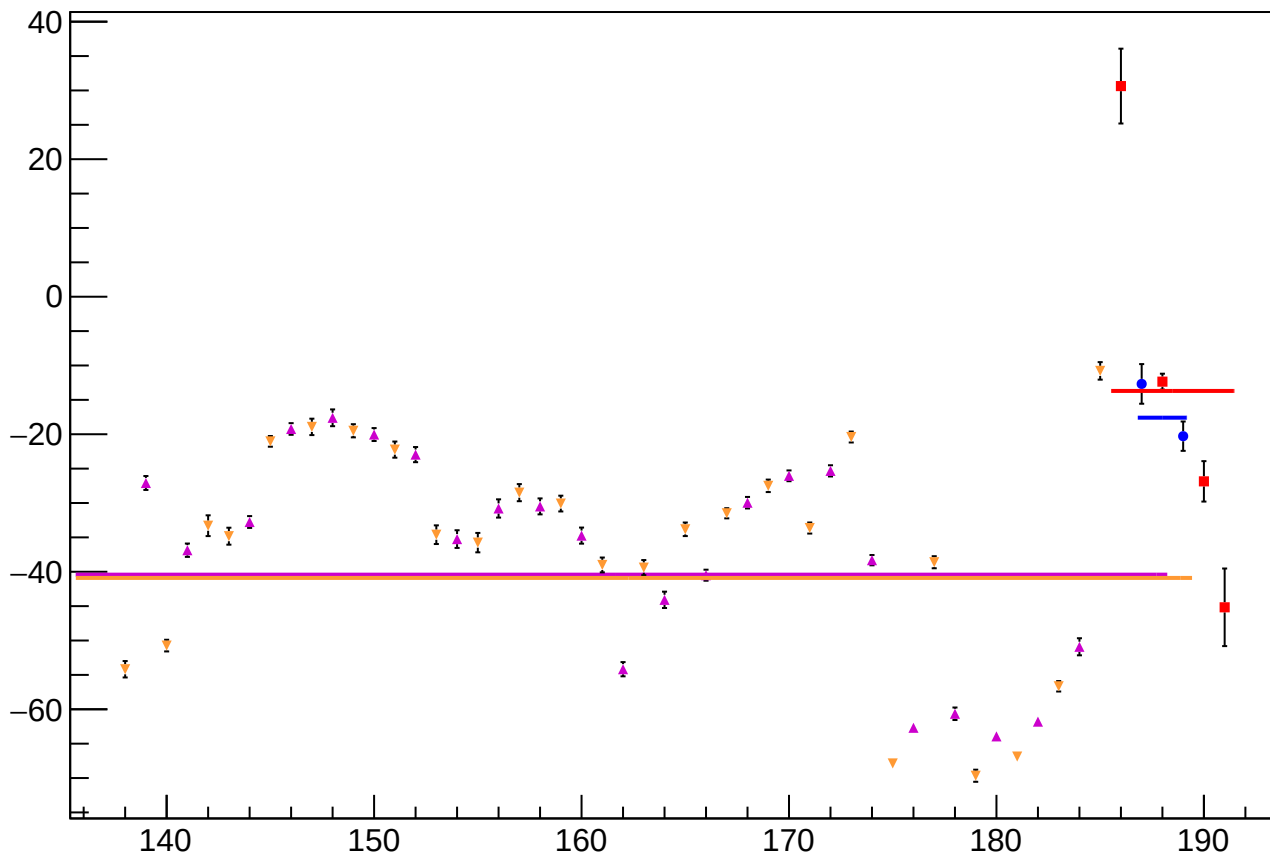
reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.692 ± 0.025 $\chi^2/\text{NDF}: 997.0/18$
 Left Out: -0.289 ± 0.009 $\chi^2/\text{NDF}: 2039.6/24$
 Right Out: -0.796 ± 0.024 $\chi^2/\text{NDF}: 1486.7/22$
 Left In: -0.246 ± 0.009 $\chi^2/\text{NDF}: 2804.3/22$

Left: -0.267 ± 0.006 $\chi^2/\text{NDF}: 4855.1/47$
 Right: -0.748 ± 0.017 $\chi^2/\text{NDF}: 2492.6/41$
 In: -0.297 ± 0.009 $\chi^2/\text{NDF}: 4072.9/41$
 Out: -0.354 ± 0.008 $\chi^2/\text{NDF}: 3923.6/47$
 All: -0.326 ± 0.006 $\chi^2/\text{NDF}: 8018.1/89$

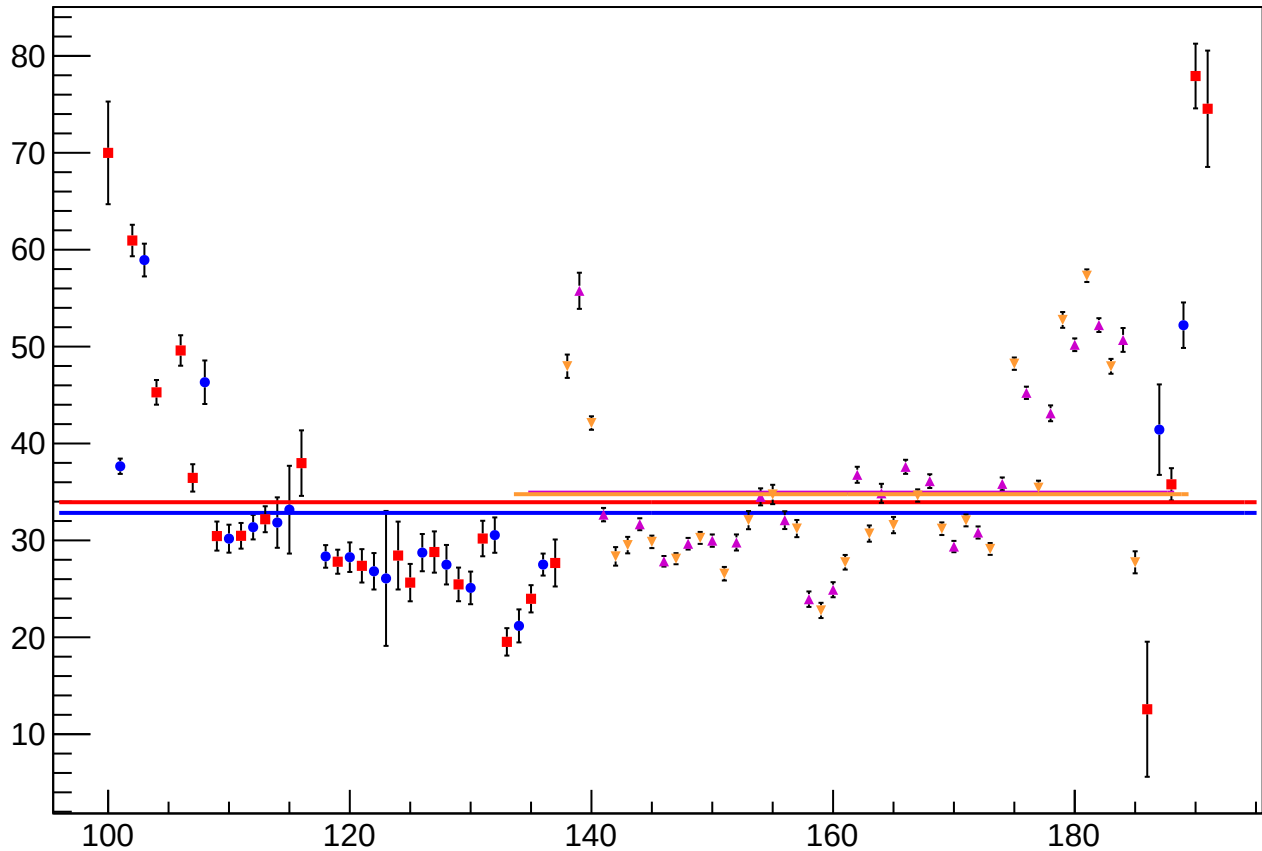
reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -17.592 ± 1.715 $\chi^2/\text{NDF}: 4.5/1$
 Left Out: -40.897 ± 0.186 $\chi^2/\text{NDF}: 9114.7/24$
 Right Out: -13.702 ± 1.037 $\chi^2/\text{NDF}: 118.9/3$
 Left In: -40.422 ± 0.189 $\chi^2/\text{NDF}: 7030.2/22$

Left: -40.662 ± 0.133 $\chi^2/\text{NDF}: 16148.1/47$
 Right: -14.743 ± 0.887 $\chi^2/\text{NDF}: 127.1/5$
 In: -40.148 ± 0.188 $\chi^2/\text{NDF}: 7209.7/24$
 Out: -40.045 ± 0.183 $\chi^2/\text{NDF}: 9900.2/28$
 All: -40.095 ± 0.131 $\chi^2/\text{NDF}: 17110.1/53$

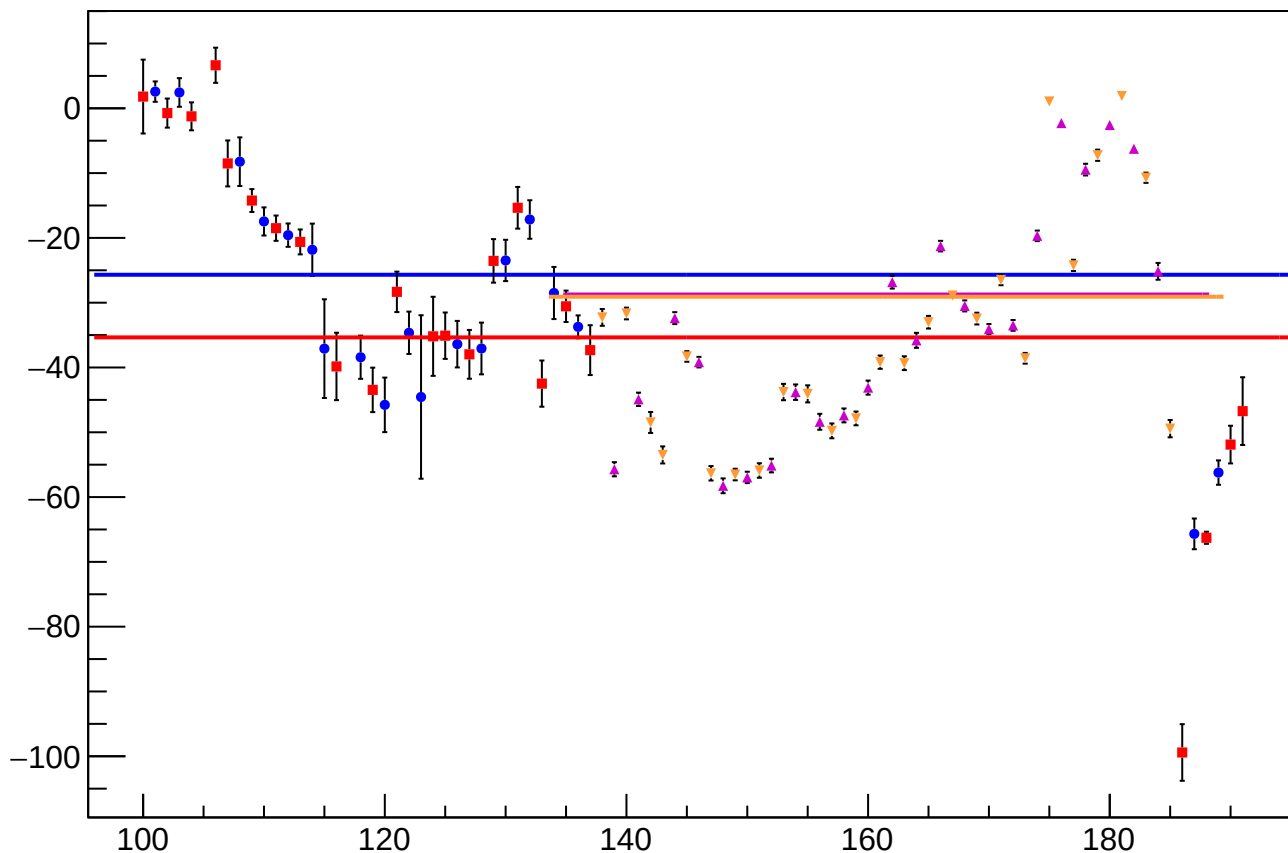
reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.838 ± 0.367 $\chi^2/\text{NDF}: 525.8/18$
 Left Out: 34.768 ± 0.148 $\chi^2/\text{NDF}: 3677.3/24$
 Right Out: 33.940 ± 0.366 $\chi^2/\text{NDF}: 1004.1/22$
 Left In: 34.928 ± 0.151 $\chi^2/\text{NDF}: 2688.4/22$

Left: 34.846 ± 0.106 $\chi^2/\text{NDF}: 6366.3/47$
 Right: 33.390 ± 0.259 $\chi^2/\text{NDF}: 1534.5/41$
 In: 34.625 ± 0.140 $\chi^2/\text{NDF}: 3242.0/41$
 Out: 34.652 ± 0.137 $\chi^2/\text{NDF}: 4685.9/47$
 All: 34.639 ± 0.098 $\chi^2/\text{NDF}: 7927.9/89$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.689 ± 0.606 χ^2/NDF : 1177.1/18

Left Out: -29.080 ± 0.187 χ^2/NDF : 10059.5/24

Right Out: -35.355 ± 0.515 χ^2/NDF : 2522.6/22

Left In: -28.735 ± 0.189 χ^2/NDF : 9155.5/22

Left: -28.909 ± 0.133 χ^2/NDF : 19216.6/47

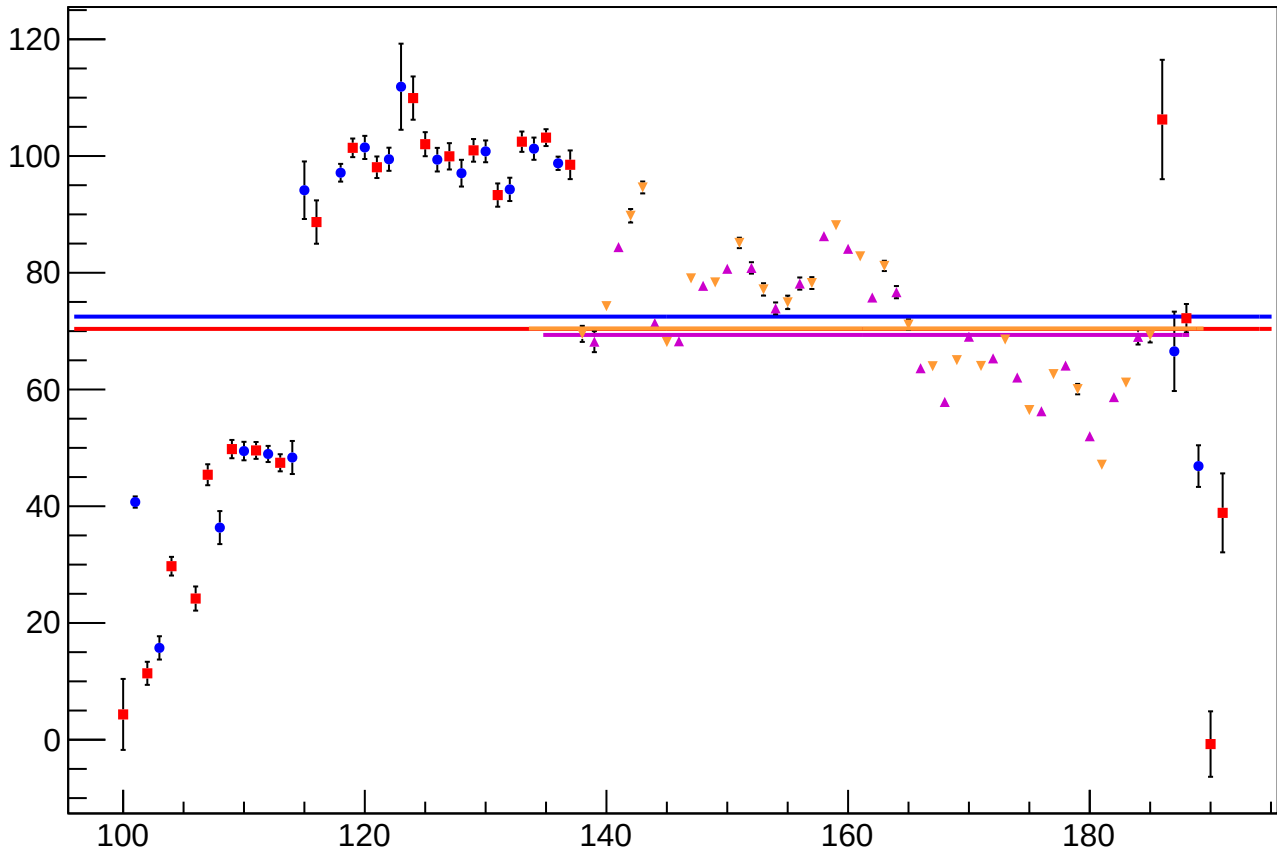
Right: -31.304 ± 0.393 χ^2/NDF : 3847.2/41

In: -28.466 ± 0.180 χ^2/NDF : 10355.6/41

Out: -29.813 ± 0.176 χ^2/NDF : 12713.1/47

All: -29.156 ± 0.126 χ^2/NDF : 23097.2/89

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.487 $\pm$ 0.422 χ^2 /NDF: 4791.0/18

Left Out: 70.450 $\pm$ 0.167 χ^2 /NDF:4484.7/24

Right Out: 70.384 $\pm$ 0.424 χ^2 /NDF: 5685.7/22

Left In: 69.350 $\pm$ 0.170 χ^2 /NDF:3330.7/22

Left: 69.910 $\pm$ 0.119 χ^2 /NDF: 7836.8/47

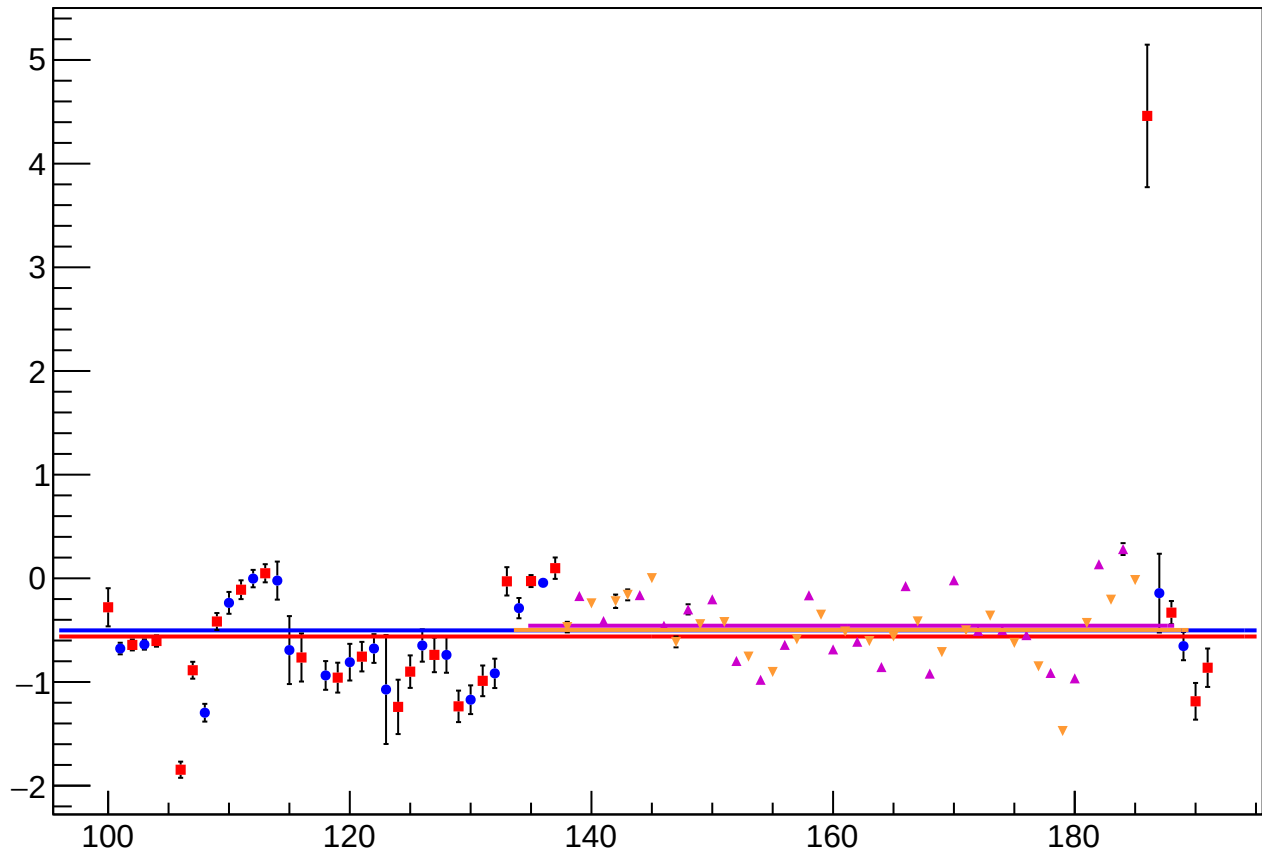
Right: 71.441 $\pm$ 0.299 χ^2 /NDF: 10489.1/41

In: 69.787 $\pm$ 0.157 χ^2 /NDF:8169.4/41

Out: 70.441 $\pm$ 0.155 χ^2 /NDF:10170.4/47

All: 70.119 $\pm$ 0.110 χ^2 /NDF: 18348.5/89

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.502 ± 0.022 χ^2/NDF : 305.6/18

Left Out: -0.498 ± 0.008 χ^2/NDF : 1440.7/24

Right Out: -0.561 ± 0.021 χ^2/NDF : 635.0/22

Left In: -0.457 ± 0.008 χ^2/NDF : 1975.2/22

Left: -0.478 ± 0.005 χ^2/NDF : 3430.2/47

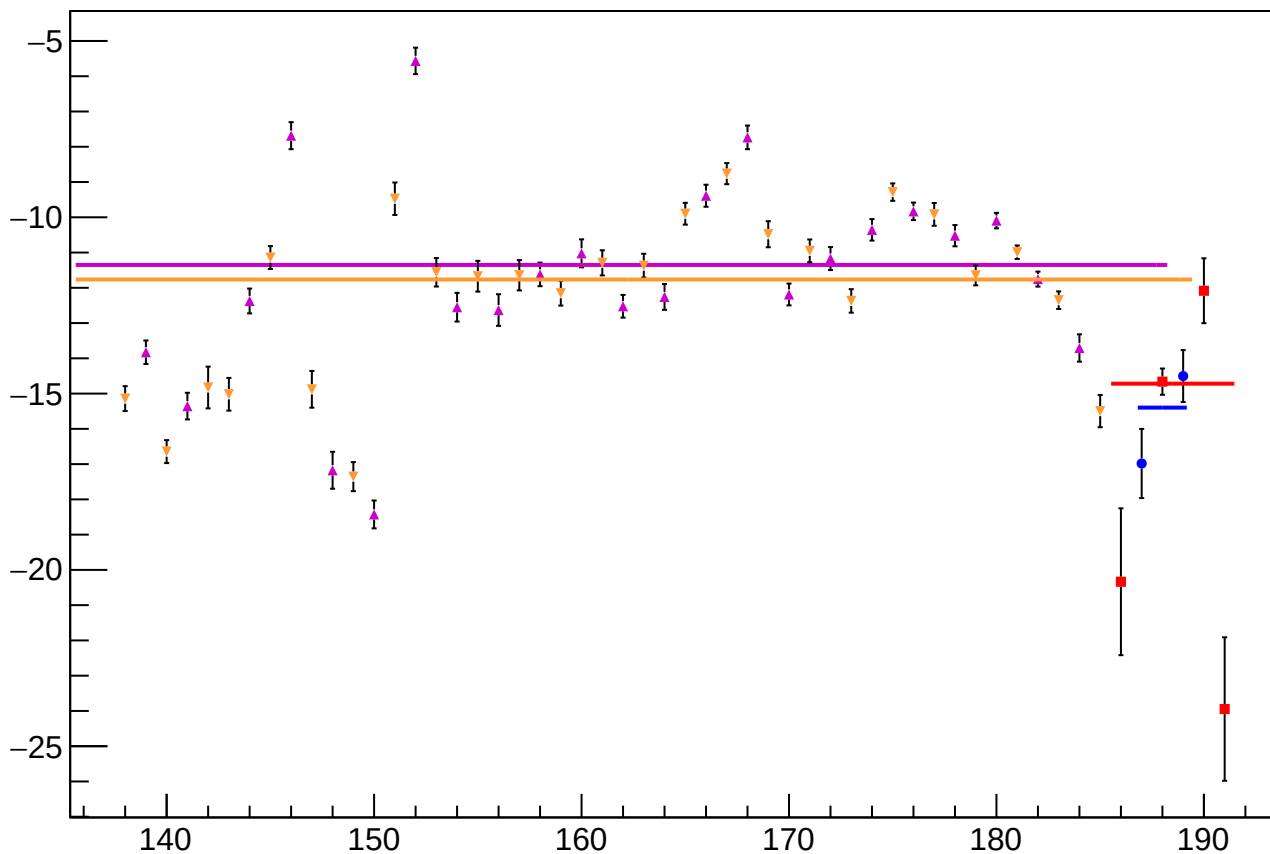
Right: -0.533 ± 0.015 χ^2/NDF : 944.5/41

In: -0.462 ± 0.007 χ^2/NDF : 2284.6/41

Out: -0.505 ± 0.007 χ^2/NDF : 2084.0/47

All: -0.484 ± 0.005 χ^2/NDF : 4386.8/89

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.398 ± 0.589 $\chi^2/\text{NDF}: 4.1/1$
 Left Out: -11.764 ± 0.067 $\chi^2/\text{NDF}: 1025.9/24$
 Right Out: -14.718 ± 0.336 $\chi^2/\text{NDF}: 36.1/3$
 Left In: -11.352 ± 0.068 $\chi^2/\text{NDF}: 1280.6/22$

Left: -11.561 ± 0.048 $\chi^2/\text{NDF}: 2325.4/47$

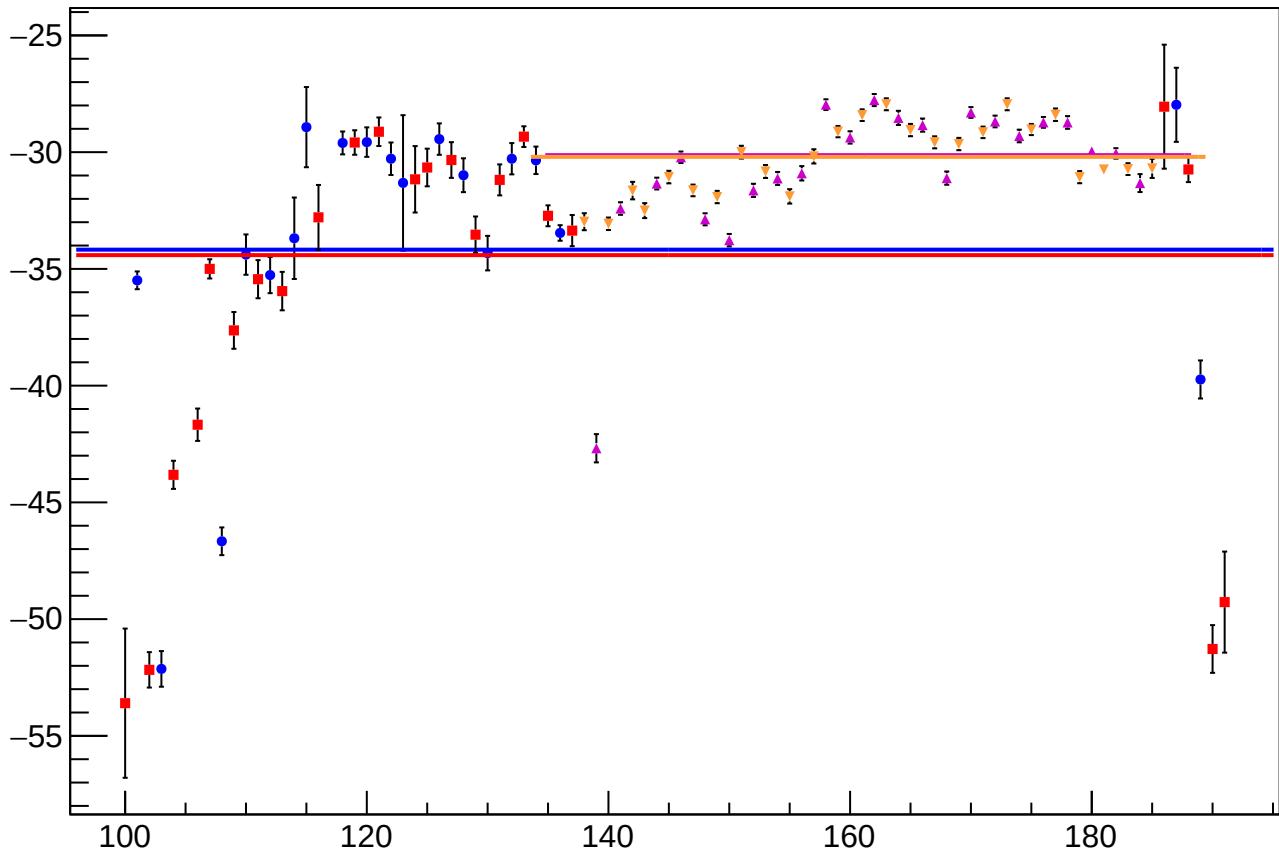
Right: -14.885 ± 0.292 $\chi^2/\text{NDF}: 41.2/5$

In: -11.404 ± 0.067 $\chi^2/\text{NDF}: 1331.3/24$

Out: -11.877 ± 0.065 $\chi^2/\text{NDF}: 1136.4/28$

All: -11.647 ± 0.047 $\chi^2/\text{NDF}: 2493.0/53$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.176 ± 0.148 χ^2/NDF : 1403.4/18

Left Out: -30.201 ± 0.054 χ^2/NDF : 725.7/24

Right Out: -34.410 ± 0.143 χ^2/NDF : 1721.7/22

Left In: -30.128 ± 0.055 χ^2/NDF : 1290.4/22

Left: -30.165 ± 0.039 χ^2/NDF : 2017.0/47

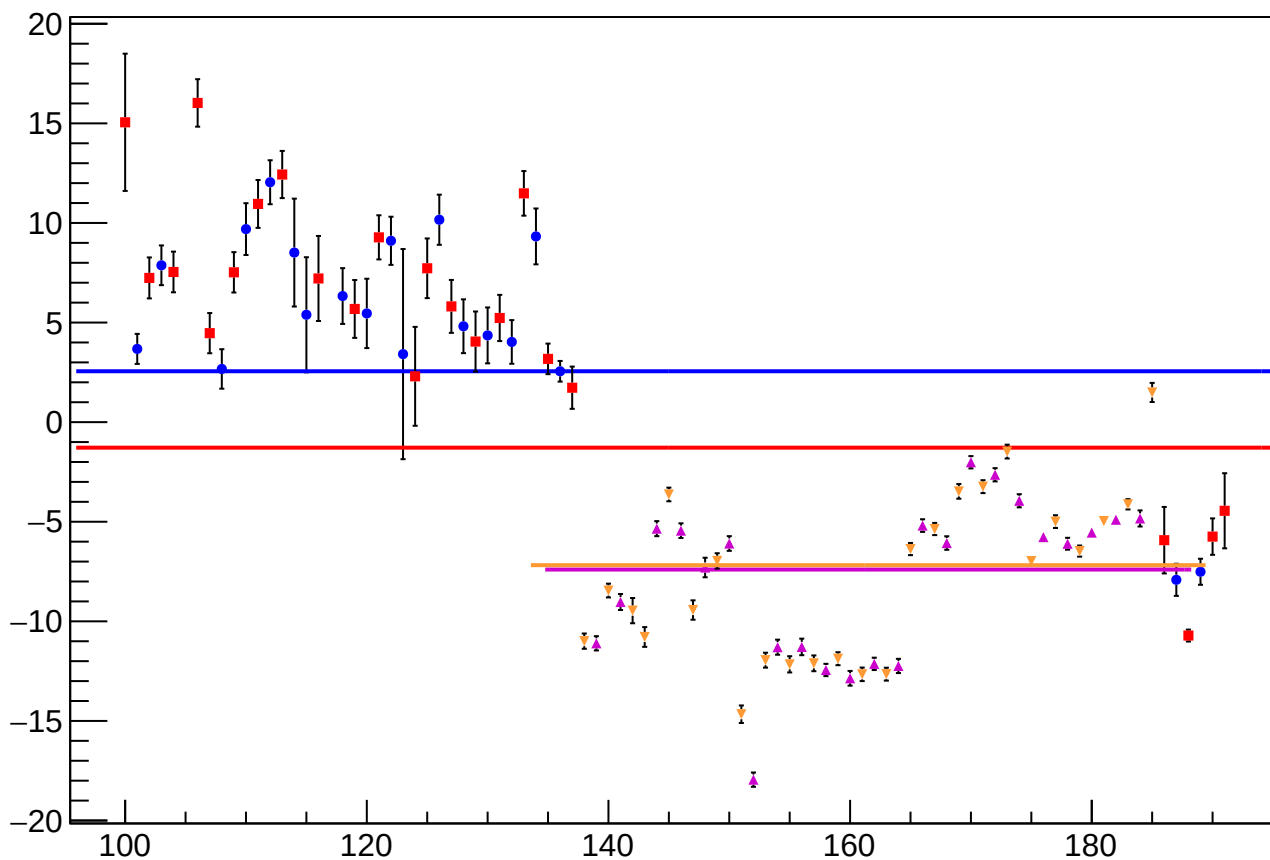
Right: -34.296 ± 0.103 χ^2/NDF : 3126.5/41

In: -30.628 ± 0.052 χ^2/NDF : 3353.8/41

Out: -30.724 ± 0.051 χ^2/NDF : 3203.0/47

All: -30.677 ± 0.036 χ^2/NDF : 6558.6/89

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

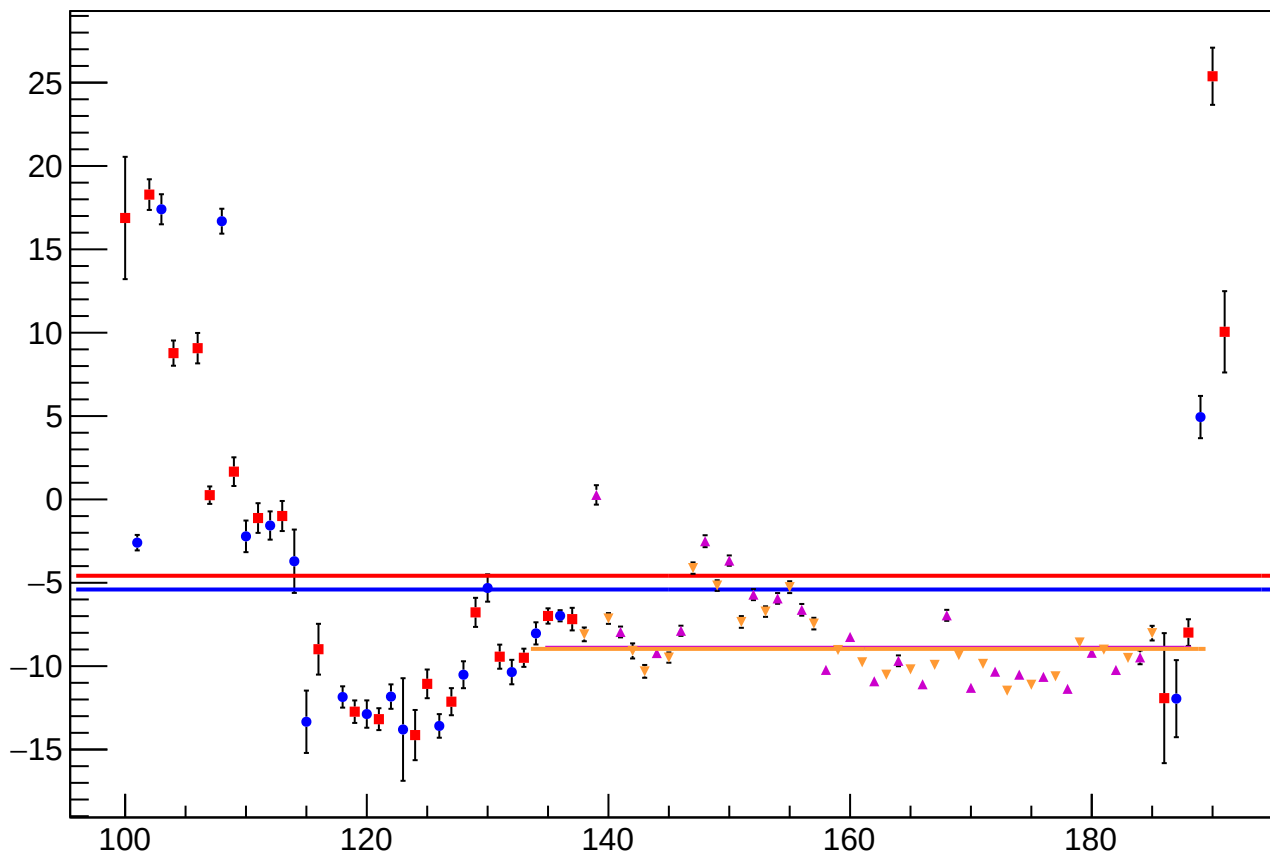


Right In: 2.555 ± 0.238 $\chi^2/\text{NDF}: 651.5/18$
 Left Out: -7.180 ± 0.067 $\chi^2/\text{NDF}: 3015.8/24$
 Right Out: -1.281 ± 0.195 $\chi^2/\text{NDF}: 2155.6/22$
 Left In: -7.400 ± 0.068 $\chi^2/\text{NDF}: 3134.9/22$

Left: -7.289 ± 0.048 $\chi^2/\text{NDF}: 6156.0/47$
 Right: 0.261 ± 0.151 $\chi^2/\text{NDF}: 2962.4/41$
 In: -6.658 ± 0.065 $\chi^2/\text{NDF}: 5404.1/41$
 Out: -6.559 ± 0.063 $\chi^2/\text{NDF}: 5988.2/47$

All: -6.607 ± 0.045 $\chi^2/\text{NDF}: 11393.5/89$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.403 ± 0.168 $\chi^2/\text{NDF}: 2200.7/18$

Left Out: -8.965 ± 0.060 $\chi^2/\text{NDF}: 876.6/24$

Right Out: -4.578 ± 0.168 $\chi^2/\text{NDF}: 2404.8/22$

Left In: -8.898 ± 0.061 $\chi^2/\text{NDF}: 1584.0/22$

Left: -8.932 ± 0.043 $\chi^2/\text{NDF}: 2461.2/47$

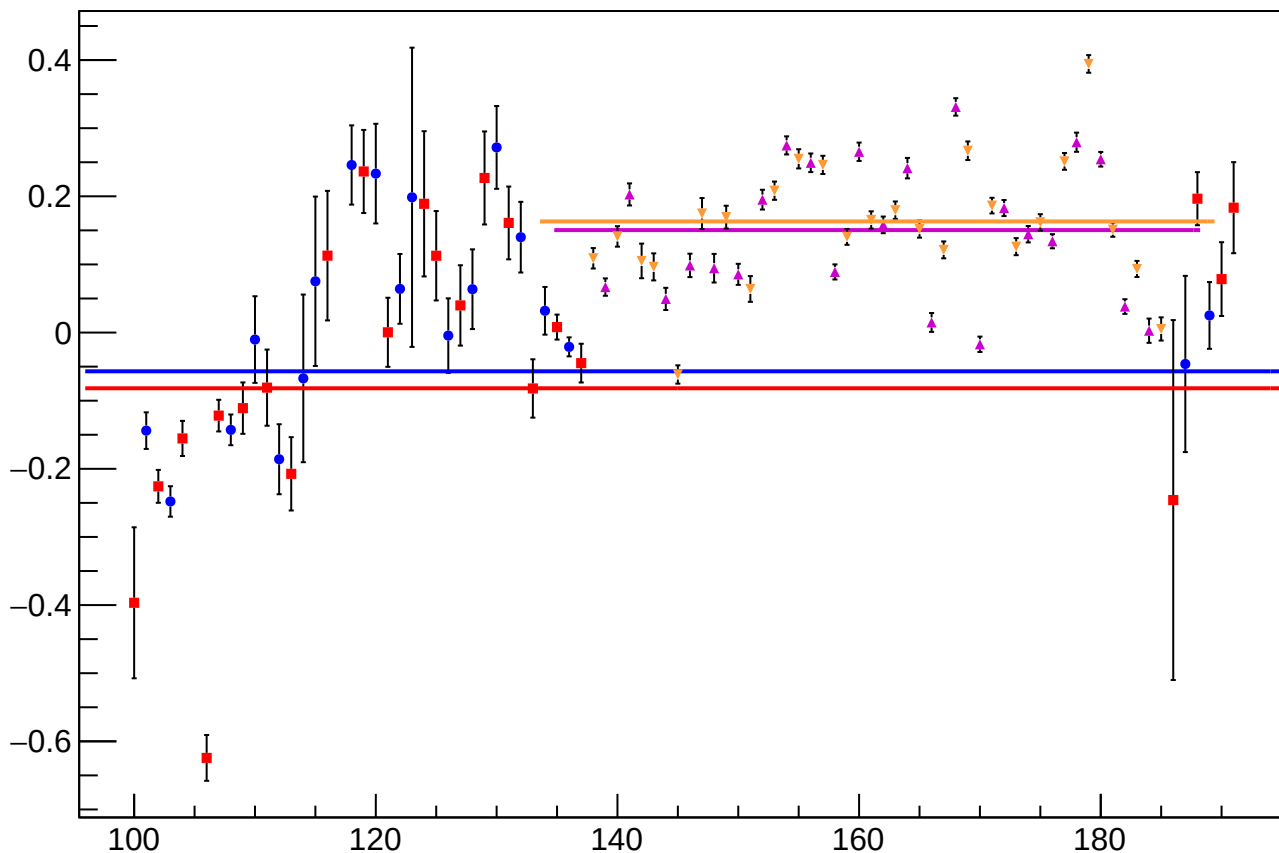
Right: -4.989 ± 0.119 $\chi^2/\text{NDF}: 4617.6/41$

In: -8.484 ± 0.058 $\chi^2/\text{NDF}: 4166.6/41$

Out: -8.462 ± 0.057 $\chi^2/\text{NDF}: 3888.5/47$

All: -8.473 ± 0.040 $\chi^2/\text{NDF}: 8055.1/89$

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.057 ± 0.008 χ^2/NDF : 220.5/18

Left Out: 0.163 ± 0.003 χ^2/NDF : 1011.4/24

Right Out: -0.082 ± 0.008 χ^2/NDF : 517.5/22

Left In: 0.150 ± 0.003 χ^2/NDF : 1296.5/22

Left: 0.157 ± 0.002 χ^2/NDF : 2318.7/47

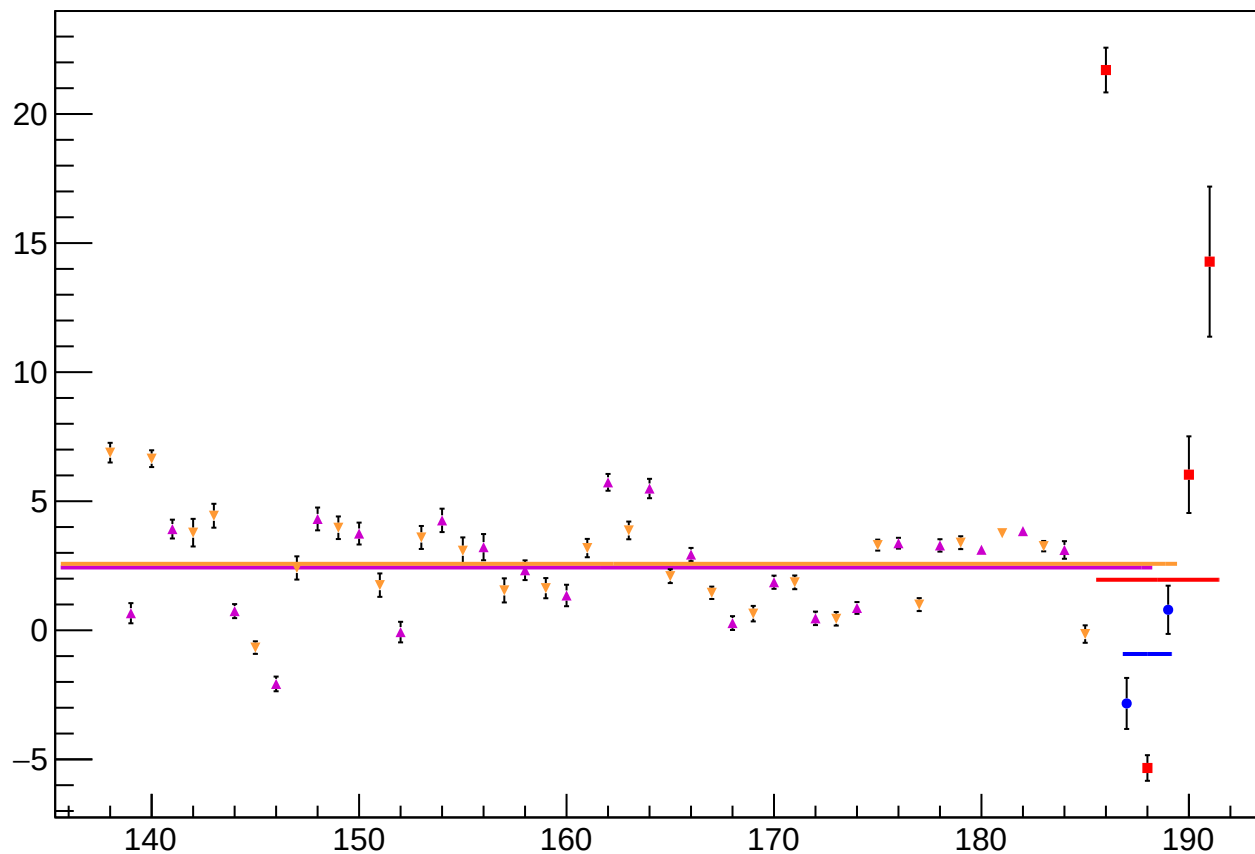
Right: -0.070 ± 0.006 χ^2/NDF : 742.6/41

In: 0.130 ± 0.003 χ^2/NDF : 2084.8/41

Out: 0.138 ± 0.003 χ^2/NDF : 2354.8/47

All: 0.134 ± 0.002 χ^2/NDF : 4444.7/89

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.918 ± 0.679 $\chi^2/\text{NDF}: 7.1/1$

Left Out: 2.575 ± 0.058 $\chi^2/\text{NDF}: 868.1/24$

Right Out: 1.958 ± 0.410 $\chi^2/\text{NDF}: 760.6/3$

Left In: 2.433 ± 0.059 $\chi^2/\text{NDF}: 882.9/22$

Left: 2.505 ± 0.042 $\chi^2/\text{NDF}: 1754.0/47$

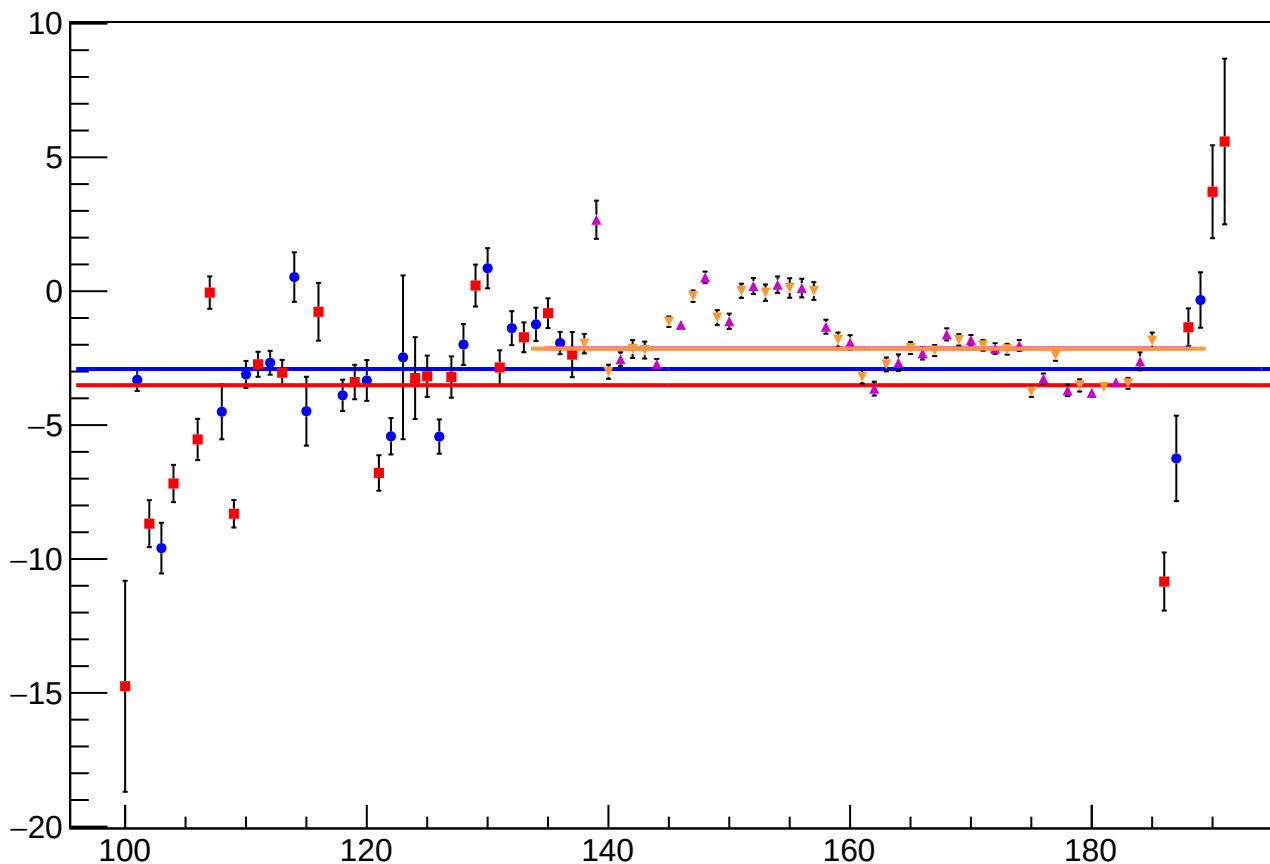
Right: 1.191 ± 0.351 $\chi^2/\text{NDF}: 780.9/5$

In: 2.408 ± 0.059 $\chi^2/\text{NDF}: 914.2/24$

Out: 2.563 ± 0.058 $\chi^2/\text{NDF}: 1630.9/28$

All: 2.487 ± 0.041 $\chi^2/\text{NDF}: 2548.7/53$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.905 ± 0.152 χ^2/NDF : 157.1/18

Left Out: -2.145 ± 0.048 χ^2/NDF : 572.6/24

Right Out: -3.509 ± 0.149 χ^2/NDF : 372.8/22

Left In: -2.137 ± 0.048 χ^2/NDF : 693.6/22

Left: -2.141 ± 0.034 χ^2/NDF : 1266.1/47

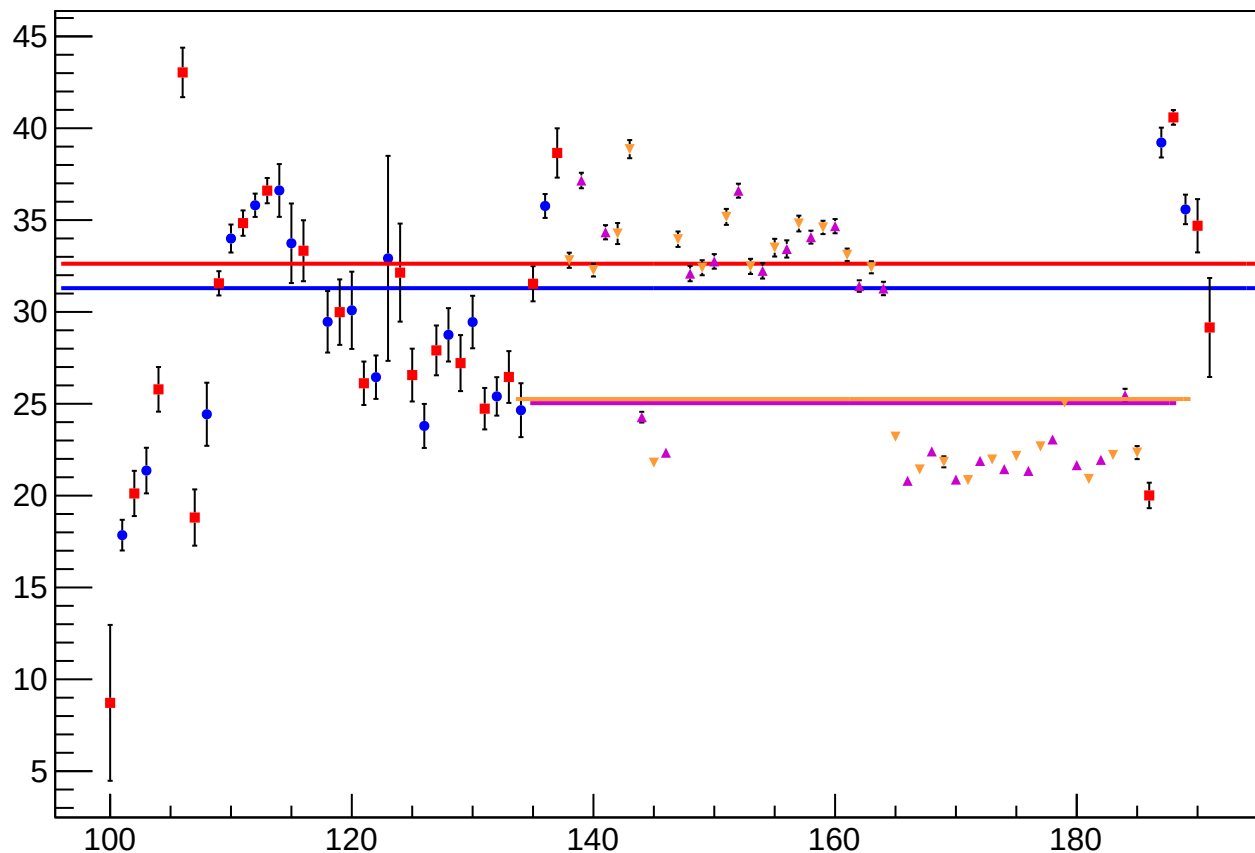
Right: -3.213 ± 0.106 χ^2/NDF : 538.1/41

In: -2.207 ± 0.046 χ^2/NDF : 874.0/41

Out: -2.272 ± 0.045 χ^2/NDF : 1021.6/47

All: -2.240 ± 0.032 χ^2/NDF : 1896.6/89

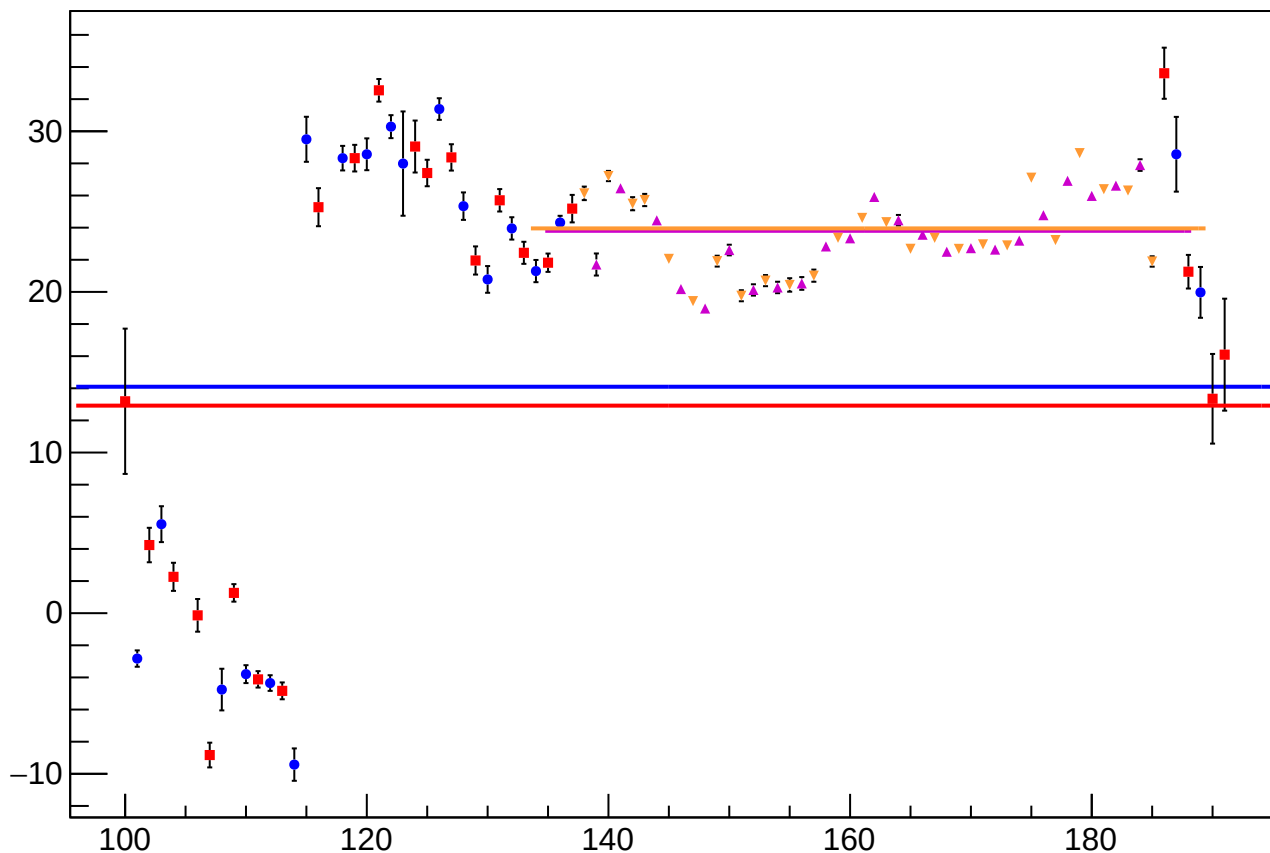
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 31.295 $\pm$ 0.242 χ^2 /NDF: 702.6/18
 Left Out: 25.258 $\pm$ 0.059 χ^2 /NDF:8135.5/24
 Right Out: 32.624 $\pm$ 0.205 χ^2 /NDF: 1249.5/22
 Left In: 25.034 $\pm$ 0.059 χ^2 /NDF:7690.0/22

Left: 25.147 $\pm$ 0.042 χ^2 /NDF: 15832.7/47
 Right: 32.067 $\pm$ 0.156 χ^2 /NDF: 1969.8/41
 In: 25.390 $\pm$ 0.058 χ^2 /NDF:9025.5/41
 Out: 25.819 $\pm$ 0.057 χ^2 /NDF:10575.1/47
 All: 25.608 $\pm$ 0.040 χ^2 /NDF: 19628.7/89

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.097 $\pm$ 0.170 χ^2 /NDF: 7445.1/18

Left Out: 23.953 $\pm$ 0.053 χ^2 /NDF:1915.9/24

Right Out: 12.921 $\pm$ 0.170 χ^2 /NDF: 7204.1/22

Left In: 23.804 $\pm$ 0.054 χ^2 /NDF:1760.4/22

Left: 23.880 $\pm$ 0.038 χ^2 /NDF: 3680.1/47

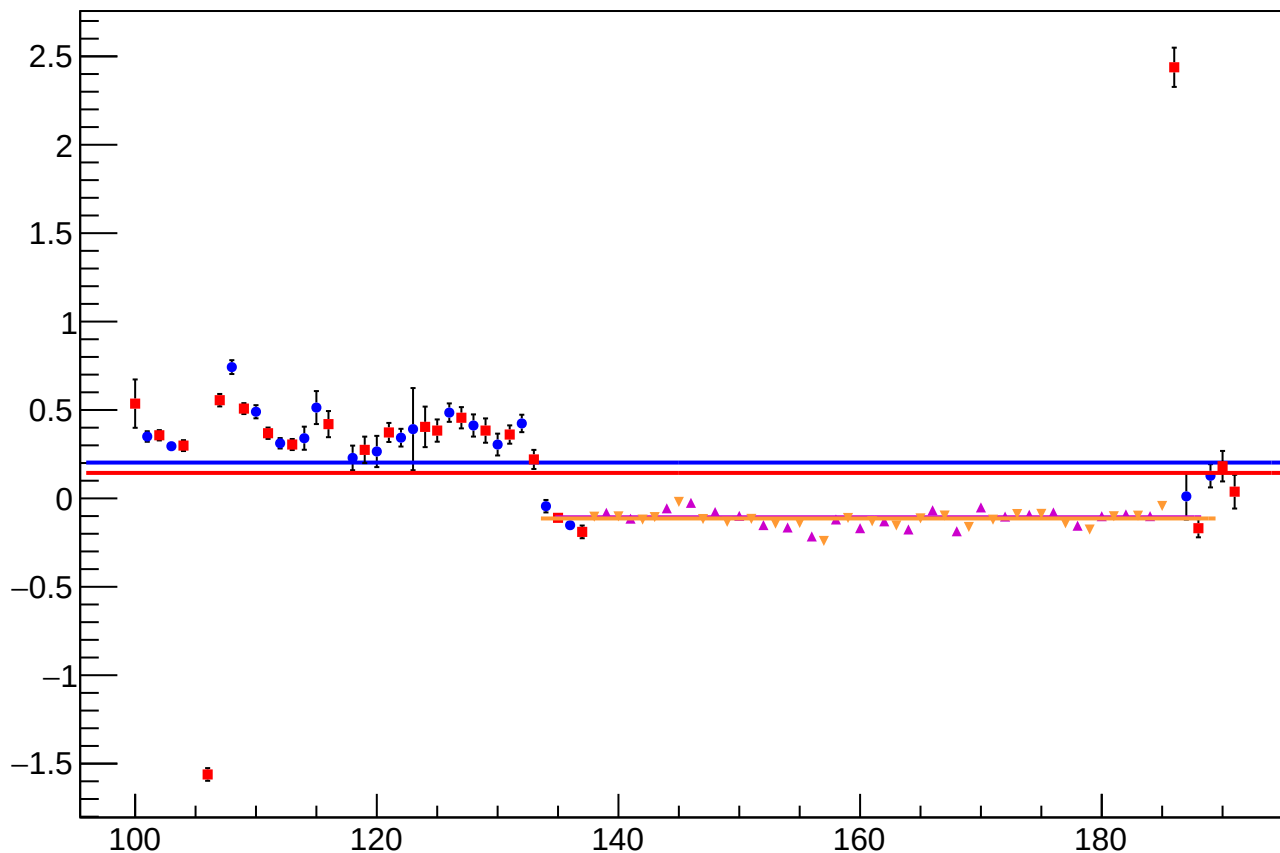
Right: 13.506 $\pm$ 0.120 χ^2 /NDF: 14673.0/41

In: 22.923 $\pm$ 0.051 χ^2 /NDF:12153.1/41

Out: 22.967 $\pm$ 0.051 χ^2 /NDF:12963.0/47

All: 22.945 $\pm$ 0.036 χ^2 /NDF: 25116.5/89

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203+/-0.009 χ^2/NDF : 849.7/18

Left Out: -0.114+/-0.002 χ^2/NDF : 290.8/24

Right Out: 0.144+/-0.009 χ^2/NDF : 3482.8/22

Left In: -0.107+/-0.002 χ^2/NDF : 322.0/22

Left: -0.110+/-0.002 χ^2/NDF : 616.8/47

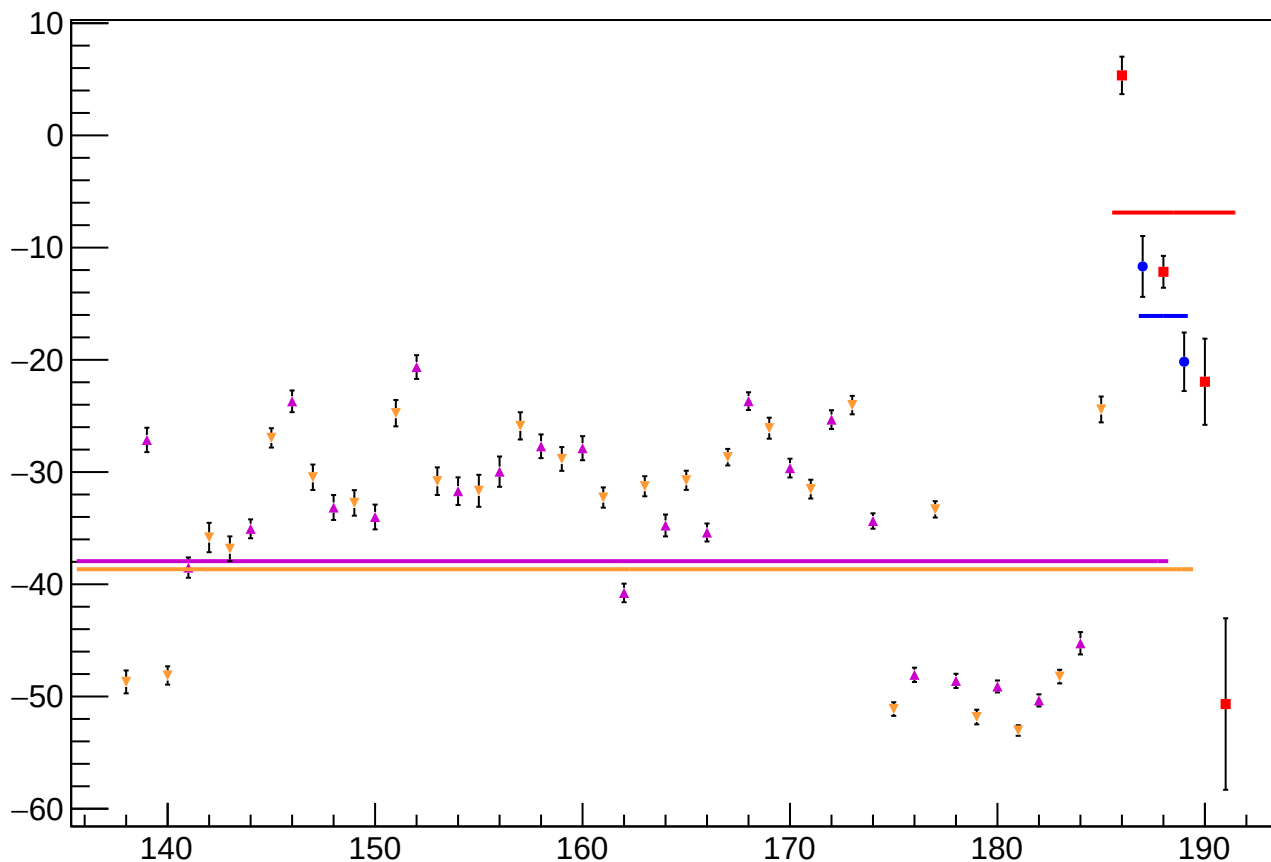
Right: 0.172+/-0.006 χ^2/NDF : 4353.2/41

In: -0.086+/-0.002 χ^2/NDF : 2217.6/41

Out: -0.096+/-0.002 χ^2/NDF : 4548.1/47

All: -0.091+/-0.002 χ^2/NDF : 6774.0/89

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected

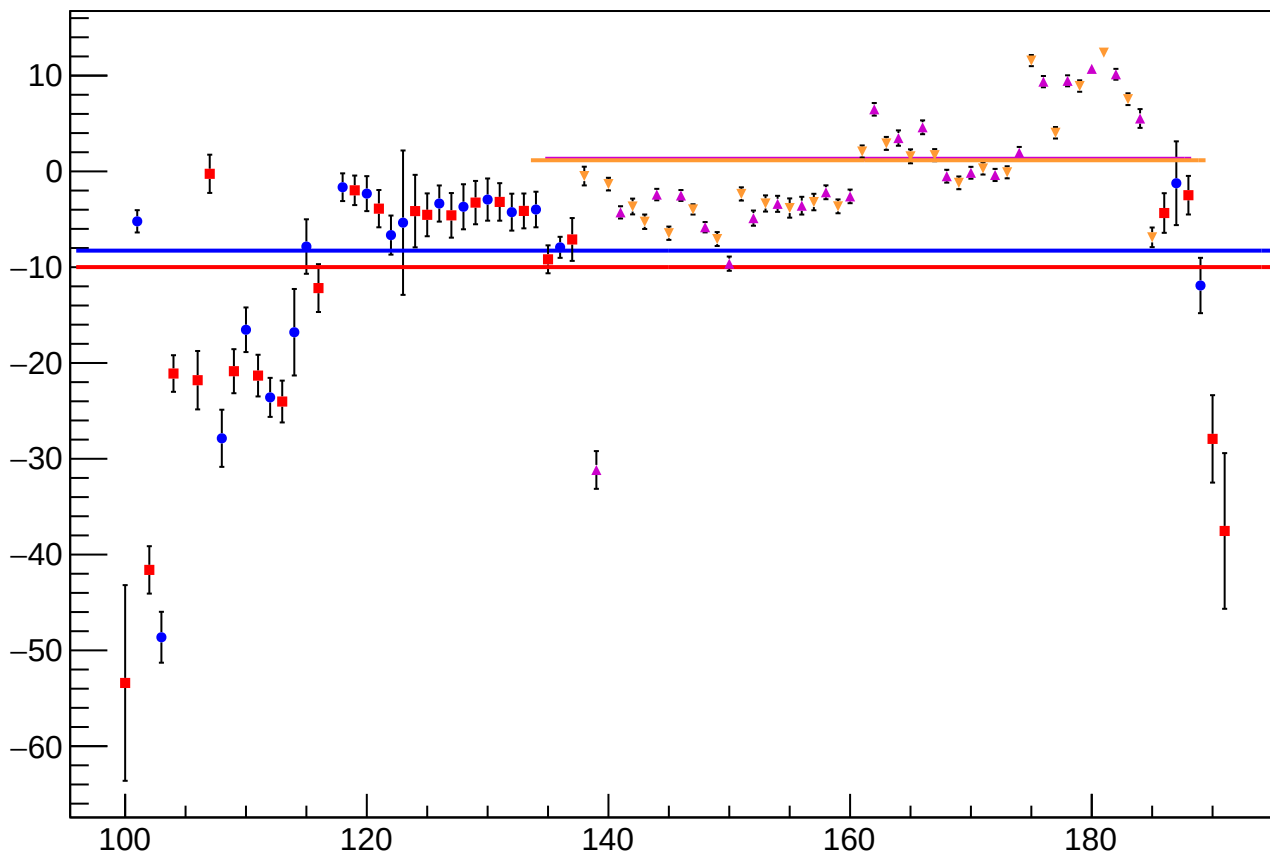


Right In: -16.089 $\pm$ 1.879 χ^2 /NDF: 5.1/1
 Left Out: -38.660 $\pm$ 0.169 χ^2 /NDF: 4073.8/24
 Right Out: -6.876 $\pm$ 1.032 χ^2 /NDF: 115.7/3
 Left In: -37.939 $\pm$ 0.173 χ^2 /NDF: 3133.2/22

Left: -38.306 $\pm$ 0.121 χ^2 /NDF: 7216.0/47
 Right: -9.010 $\pm$ 0.905 χ^2 /NDF: 139.3/5
 In: -37.757 $\pm$ 0.172 χ^2 /NDF: 3272.4/24
 Out: -37.826 $\pm$ 0.167 χ^2 /NDF: 5113.3/28

All: -37.793 $\pm$ 0.120 χ^2 /NDF: 8385.8/53

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.271 ± 0.454 χ^2/NDF : 416.3/18

Left Out: 1.163 ± 0.136 χ^2/NDF : 1786.1/24

Right Out: -9.990 ± 0.462 χ^2/NDF : 477.6/22

Left In: 1.319 ± 0.139 χ^2/NDF : 2080.7/22

Left: 1.239 ± 0.097 χ^2/NDF : 3867.4/47

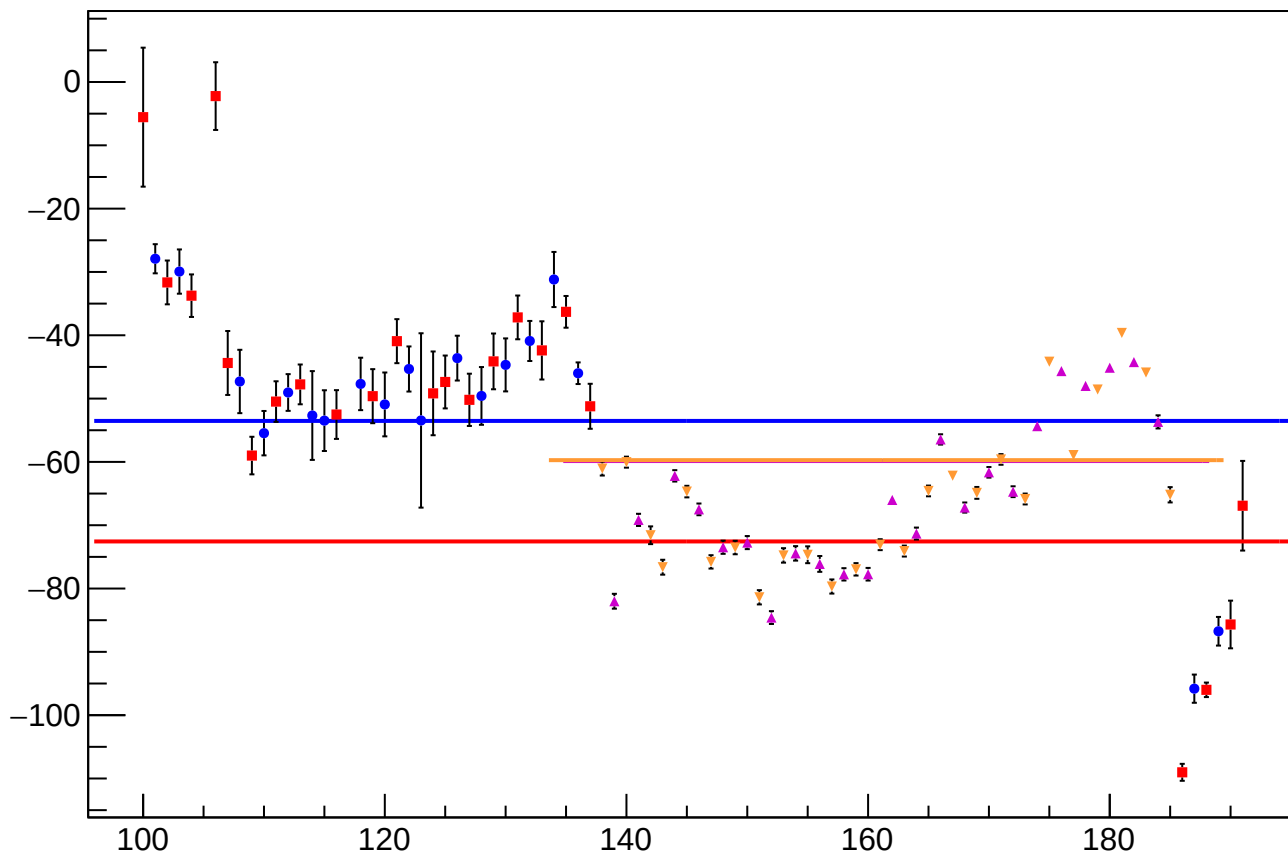
Right: -9.115 ± 0.324 χ^2/NDF : 900.9/41

In: 0.491 ± 0.133 χ^2/NDF : 2905.0/41

Out: 0.269 ± 0.131 χ^2/NDF : 2800.0/47

All: 0.378 ± 0.093 χ^2/NDF : 5706.4/89

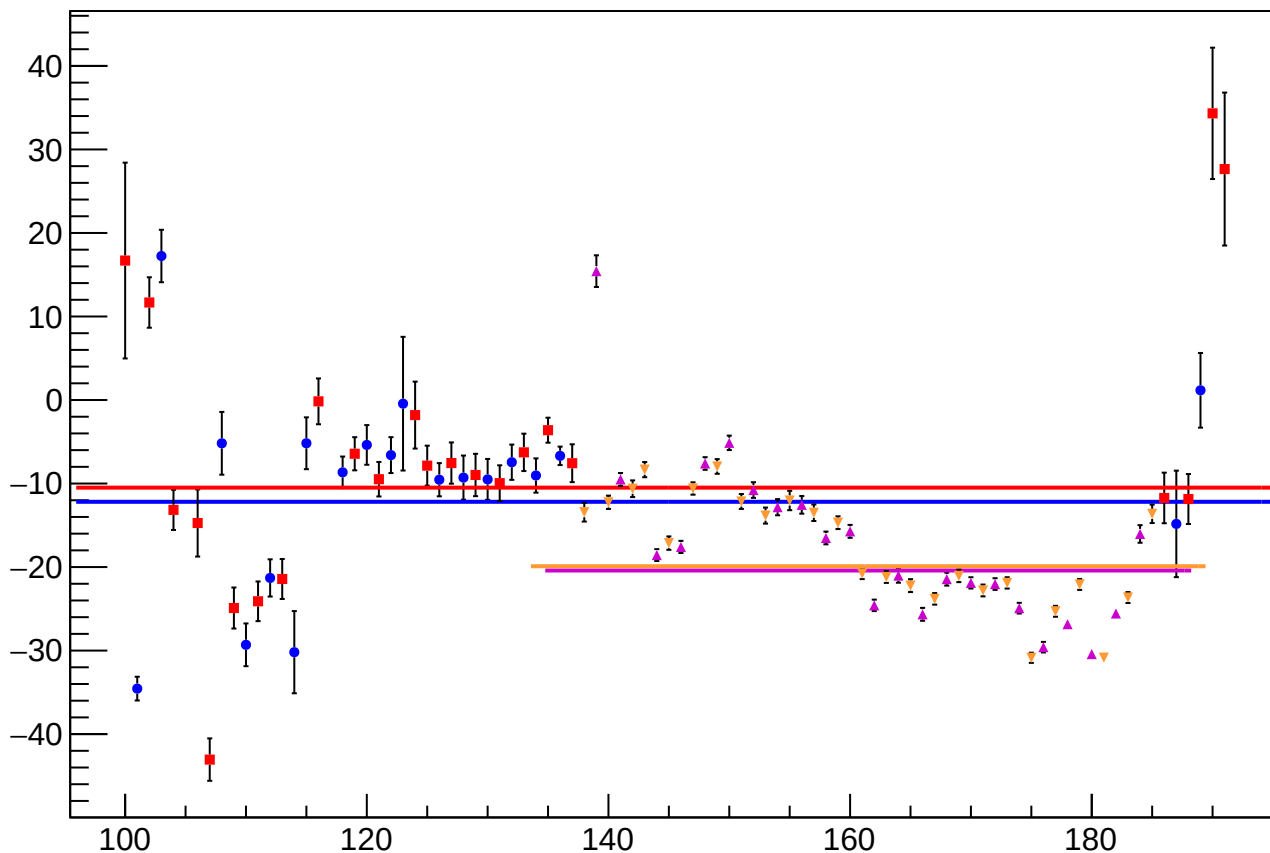
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -53.527 $\pm$ 0.738 χ^2 /NDF: 831.8/18
 Left Out: -59.724 $\pm$ 0.170 χ^2 /NDF: 5789.8/24
 Right Out: -72.562 $\pm$ 0.604 χ^2 /NDF: 2471.2/22
 Left In: -59.864 $\pm$ 0.173 χ^2 /NDF: 5275.1/22

Left: -59.793 $\pm$ 0.121 χ^2 /NDF: 11065.1/47
 Right: -64.936 $\pm$ 0.467 χ^2 /NDF: 3701.2/41
 In: -59.536 $\pm$ 0.168 χ^2 /NDF: 6176.7/41
 Out: -60.671 $\pm$ 0.164 χ^2 /NDF: 8679.7/47
 All: -60.118 $\pm$ 0.117 χ^2 /NDF: 14879.7/89

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.185 ± 0.515 $\chi^2/\text{NDF}: 485.1/18$

Left Out: -19.902 ± 0.153 $\chi^2/\text{NDF}: 1904.7/24$

Right Out: -10.491 ± 0.534 $\chi^2/\text{NDF}: 417.1/22$

Left In: -20.412 ± 0.156 $\chi^2/\text{NDF}: 2345.4/22$

Left: -20.152 ± 0.109 $\chi^2/\text{NDF}: 4255.5/47$

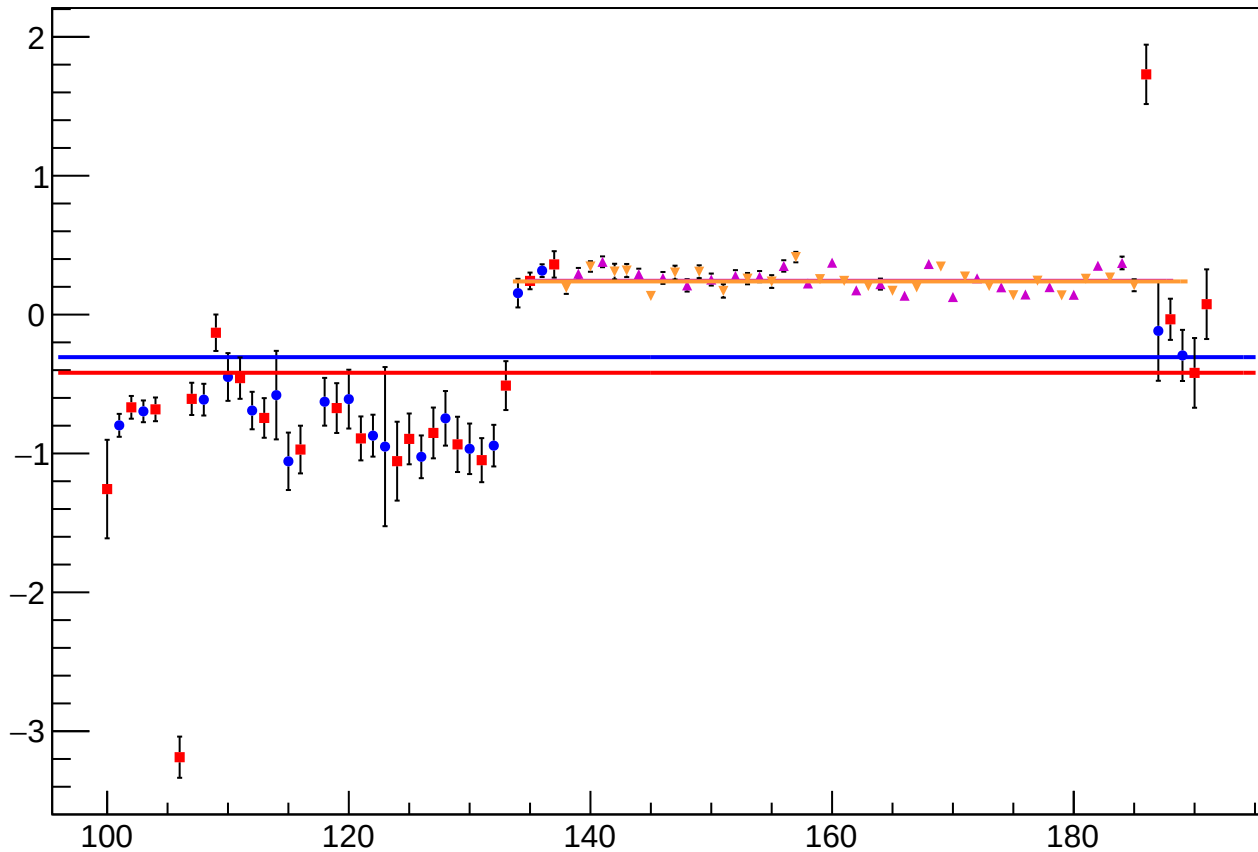
Right: -11.369 ± 0.370 $\chi^2/\text{NDF}: 907.4/41$

In: -19.718 ± 0.149 $\chi^2/\text{NDF}: 3064.6/41$

Out: -19.186 ± 0.147 $\chi^2/\text{NDF}: 2609.1/47$

All: -19.448 ± 0.105 $\chi^2/\text{NDF}: 5680.1/89$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 ± 0.027 χ^2/NDF : 372.7/18

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.5/24

Right Out: -0.419 ± 0.027 χ^2/NDF : 747.2/22

Left In: 0.243 ± 0.007 χ^2/NDF : 139.2/22

Left: 0.241 ± 0.005 χ^2/NDF : 232.9/47

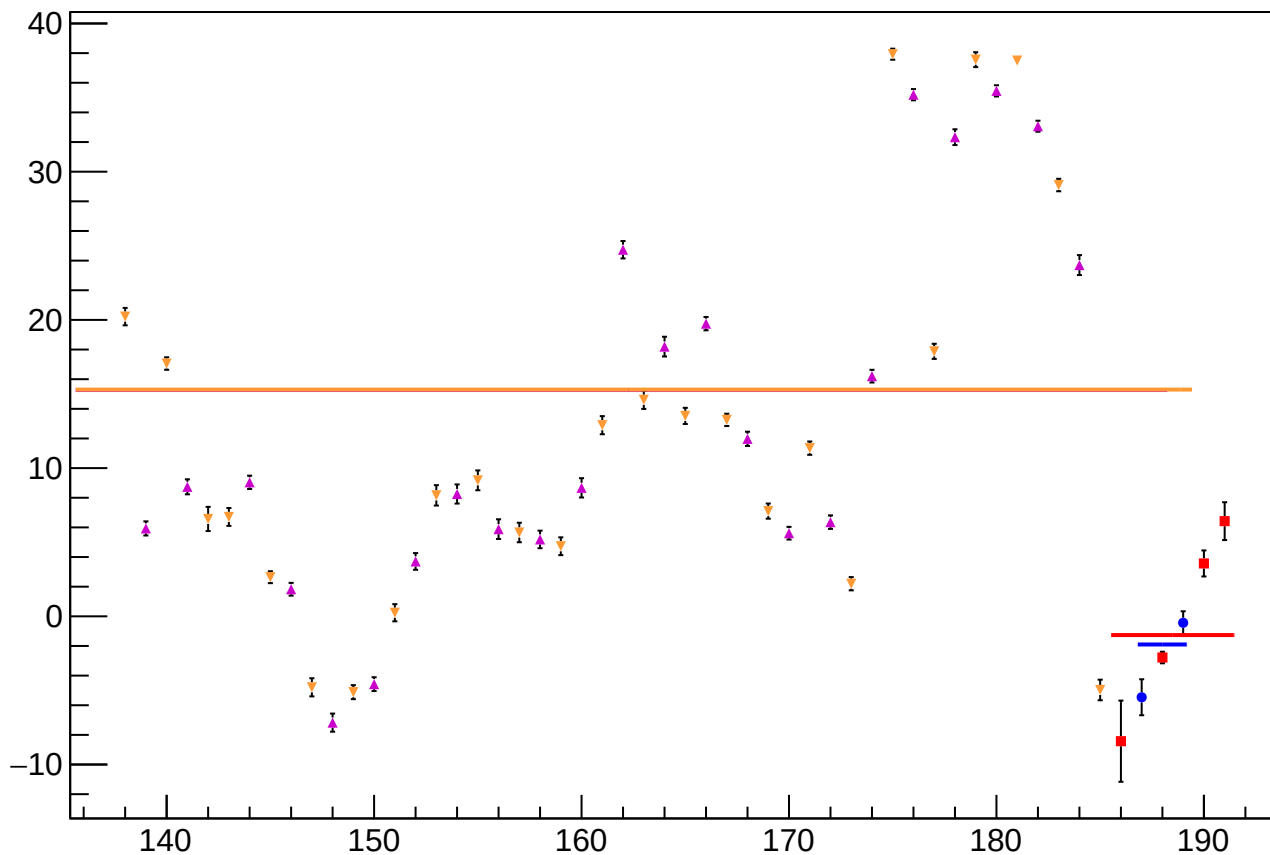
Right: -0.362 ± 0.019 χ^2/NDF : 1128.3/41

In: 0.208 ± 0.007 χ^2/NDF : 896.0/41

Out: 0.198 ± 0.007 χ^2/NDF : 1379.6/47

All: 0.203 ± 0.005 χ^2/NDF : 2276.5/89

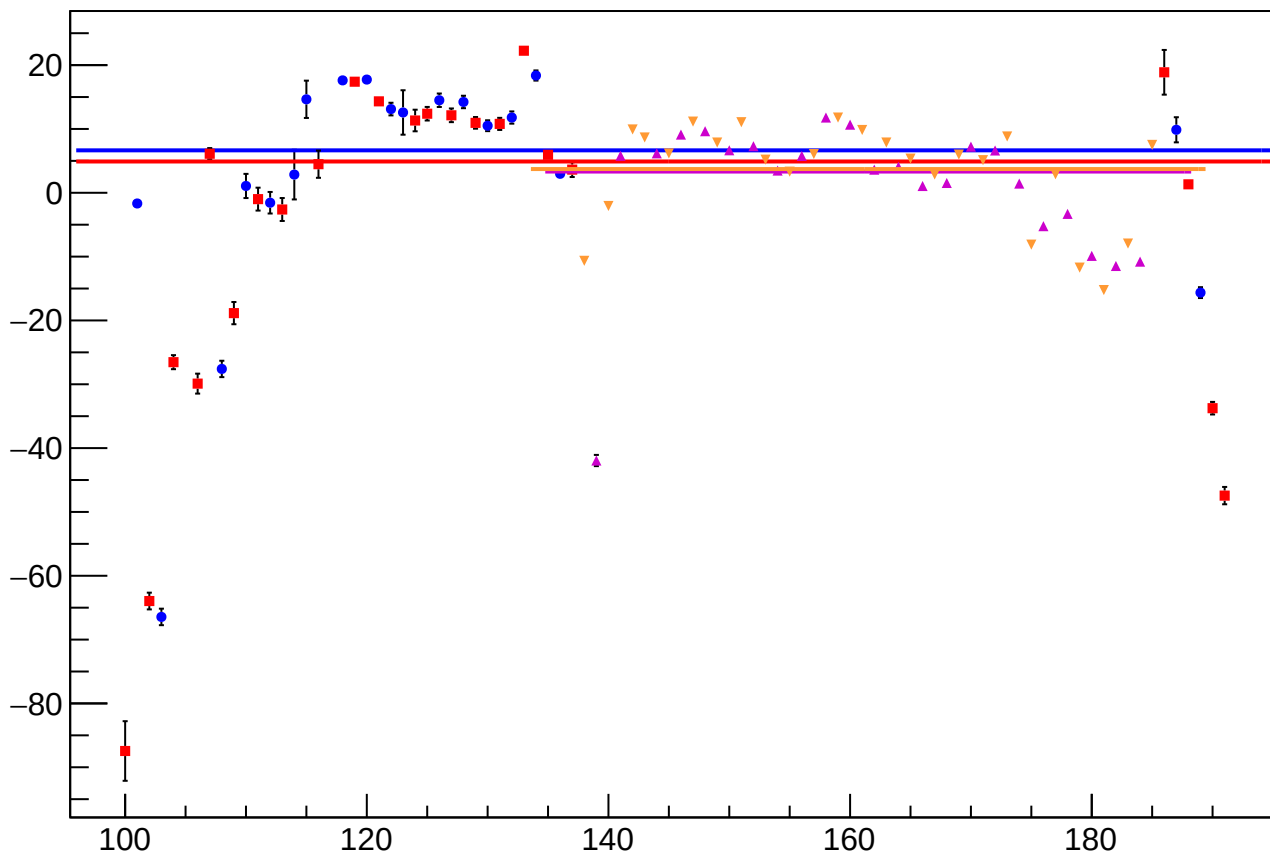
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.900 ± 0.655 $\chi^2/\text{NDF}: 12.1/1$
 Left Out: 15.298 ± 0.101 $\chi^2/\text{NDF}: 19135.0/24$
 Right Out: -1.265 ± 0.340 $\chi^2/\text{NDF}: 88.5/3$
 Left In: 15.268 ± 0.102 $\chi^2/\text{NDF}: 16406.3/22$

Left: 15.283 ± 0.072 $\chi^2/\text{NDF}: 35541.3/47$
 Right: -1.400 ± 0.302 $\chi^2/\text{NDF}: 101.4/5$
 In: 14.861 ± 0.101 $\chi^2/\text{NDF}: 17089.0/24$
 Out: 13.963 ± 0.097 $\chi^2/\text{NDF}: 21406.1/28$
 All: 14.392 ± 0.070 $\chi^2/\text{NDF}: 38536.4/53$

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.649 ± 0.207 $\chi^2/\text{NDF}: 6099.8/18$

Left Out: 3.717 ± 0.079 $\chi^2/\text{NDF}: 9201.0/24$

Right Out: 4.903 ± 0.194 $\chi^2/\text{NDF}: 10060.7/22$

Left In: 3.327 ± 0.081 $\chi^2/\text{NDF}: 8830.5/22$

Left: 3.527 ± 0.057 $\chi^2/\text{NDF}: 18043.4/47$

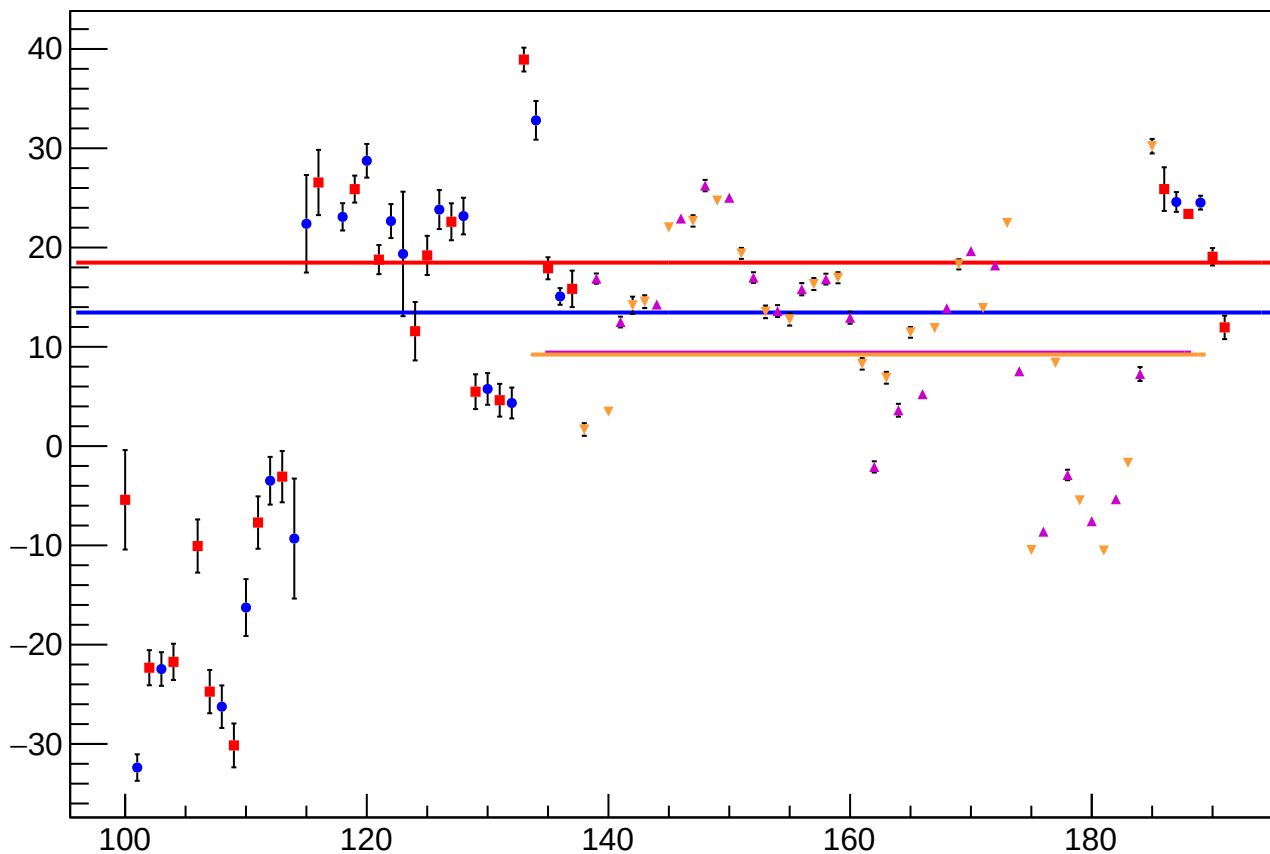
Right: 5.716 ± 0.142 $\chi^2/\text{NDF}: 16198.4/41$

In: 3.766 ± 0.075 $\chi^2/\text{NDF}: 15153.0/41$

Out: 3.886 ± 0.073 $\chi^2/\text{NDF}: 19293.9/47$

All: 3.828 ± 0.053 $\chi^2/\text{NDF}: 34448.2/89$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 13.455 $\pm$ 0.336 χ^2 /NDF: 2898.4/18

Left Out: 9.220 $\pm$ 0.101 χ^2 /NDF:13617.0/24

Right Out: 18.481 $\pm$ 0.235 χ^2 /NDF: 2948.4/22

Left In: 9.420 $\pm$ 0.102 χ^2 /NDF:12078.1/22

Left: 9.319 $\pm$ 0.072 χ^2 /NDF: 25697.1/47

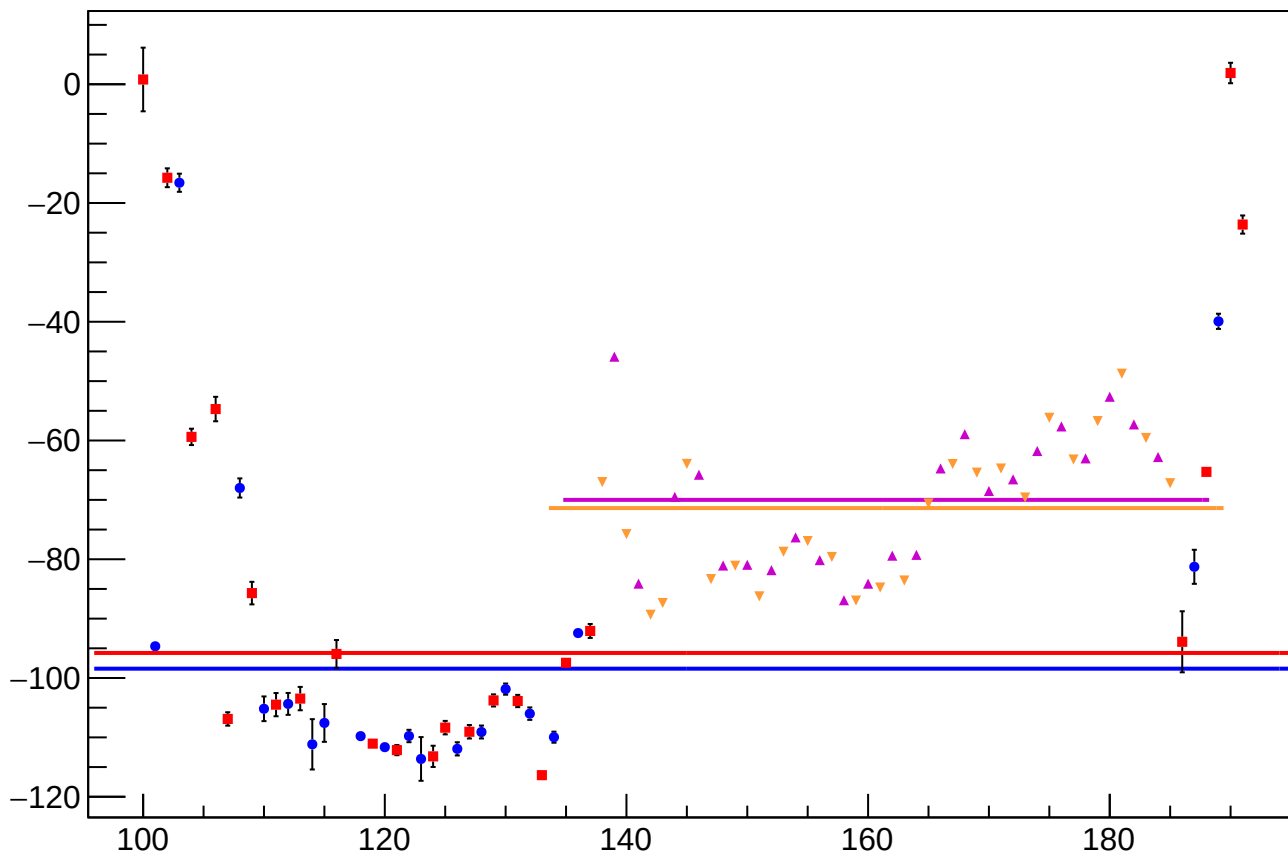
Right: 16.829 $\pm$ 0.193 χ^2 /NDF: 5996.7/41

In: 9.760 $\pm$ 0.098 χ^2 /NDF:15108.3/41

Out: 10.662 $\pm$ 0.093 χ^2 /NDF:17872.0/47

All: 10.233 $\pm$ 0.067 χ^2 /NDF: 33025.1/89

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -98.428 ± 0.243 χ^2/NDF : 6734.9/18

Left Out: -71.379 ± 0.089 χ^2/NDF : 16226.2/24

Right Out: -95.781 ± 0.231 χ^2/NDF : 13591.8/22

Left In: -69.999 ± 0.091 χ^2/NDF : 13188.0/22

Left: -70.704 ± 0.064 χ^2/NDF : 29530.5/47

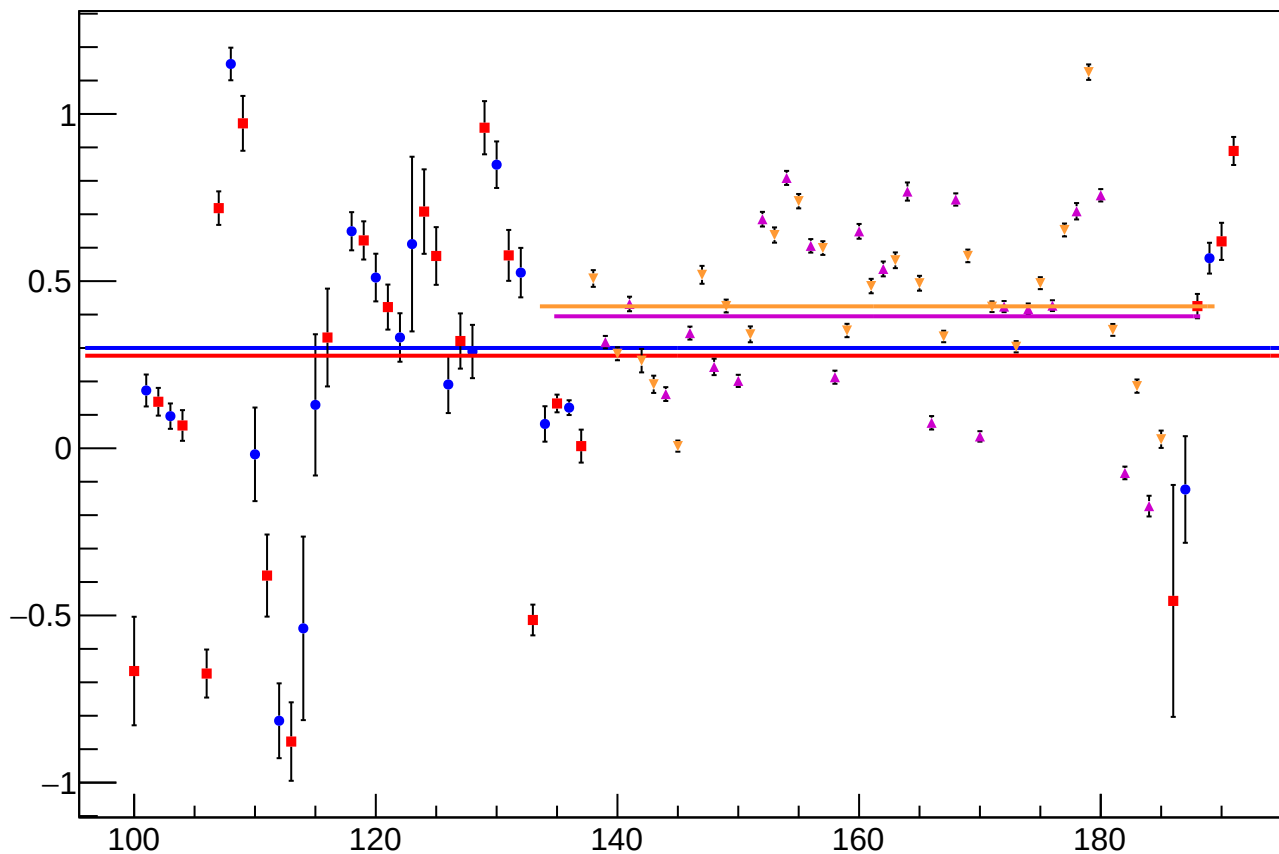
Right: -97.039 ± 0.167 χ^2/NDF : 20389.1/41

In: -73.533 ± 0.086 χ^2/NDF : 31947.8/41

Out: -74.566 ± 0.083 χ^2/NDF : 39529.6/47

All: -74.062 ± 0.060 χ^2/NDF : 71552.1/89

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.300 ± 0.013 χ^2/NDF : 699.2/18

Left Out: 0.425 ± 0.004 χ^2/NDF : 2866.9/24

Right Out: 0.277 ± 0.012 χ^2/NDF : 1296.2/22

Left In: 0.395 ± 0.004 χ^2/NDF : 4063.1/22

Left: 0.410 ± 0.003 χ^2/NDF : 6956.2/47

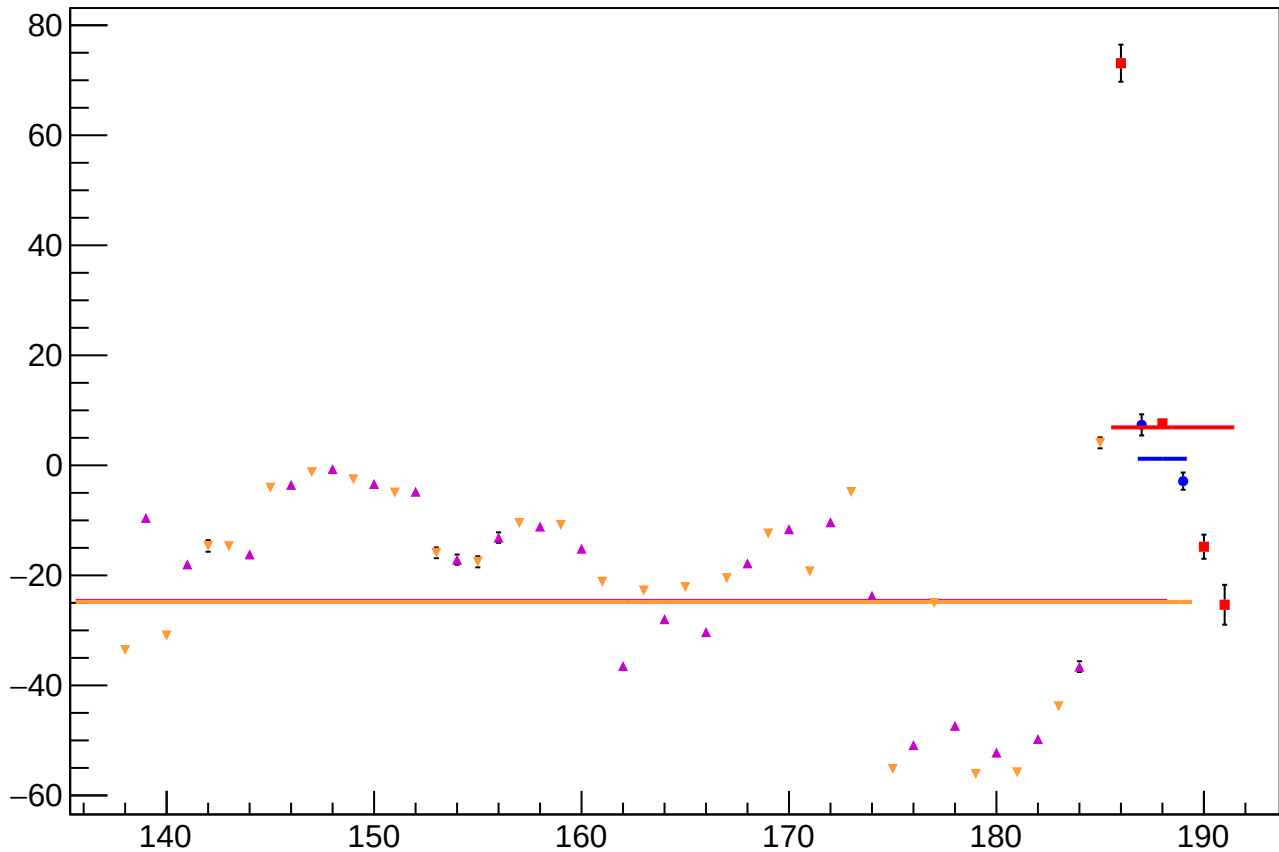
Right: 0.287 ± 0.009 χ^2/NDF : 1997.1/41

In: 0.386 ± 0.004 χ^2/NDF : 4811.3/41

Out: 0.409 ± 0.004 χ^2/NDF : 4302.8/47

All: 0.397 ± 0.003 χ^2/NDF : 9131.1/89

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.199+/-1.211 χ^2/NDF : 17.1/1

Left Out: -24.824+/-0.140 χ^2/NDF : 18274.6/24

Right Out: 6.904+/-0.719 χ^2/NDF : 564.1/3

Left In: -24.635+/-0.142 χ^2/NDF : 14947.9/22

Left: -24.731+/-0.100 χ^2/NDF : 33223.4/47

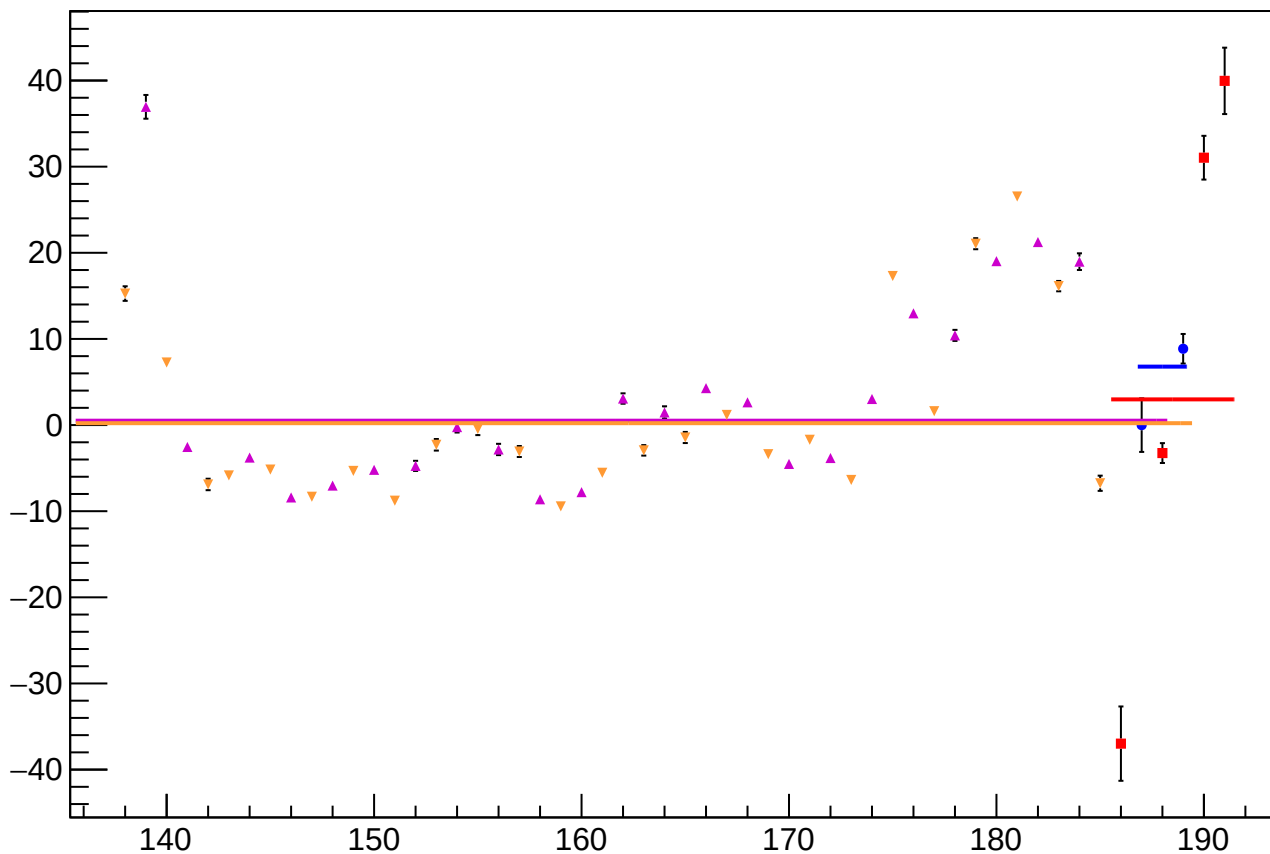
Right: 5.416+/-0.619 χ^2/NDF : 597.6/5

In: -24.285+/-0.141 χ^2/NDF : 15413.6/24

Out: -23.671+/-0.137 χ^2/NDF : 20713.0/28

All: -23.969+/-0.098 χ^2/NDF : 36136.3/53

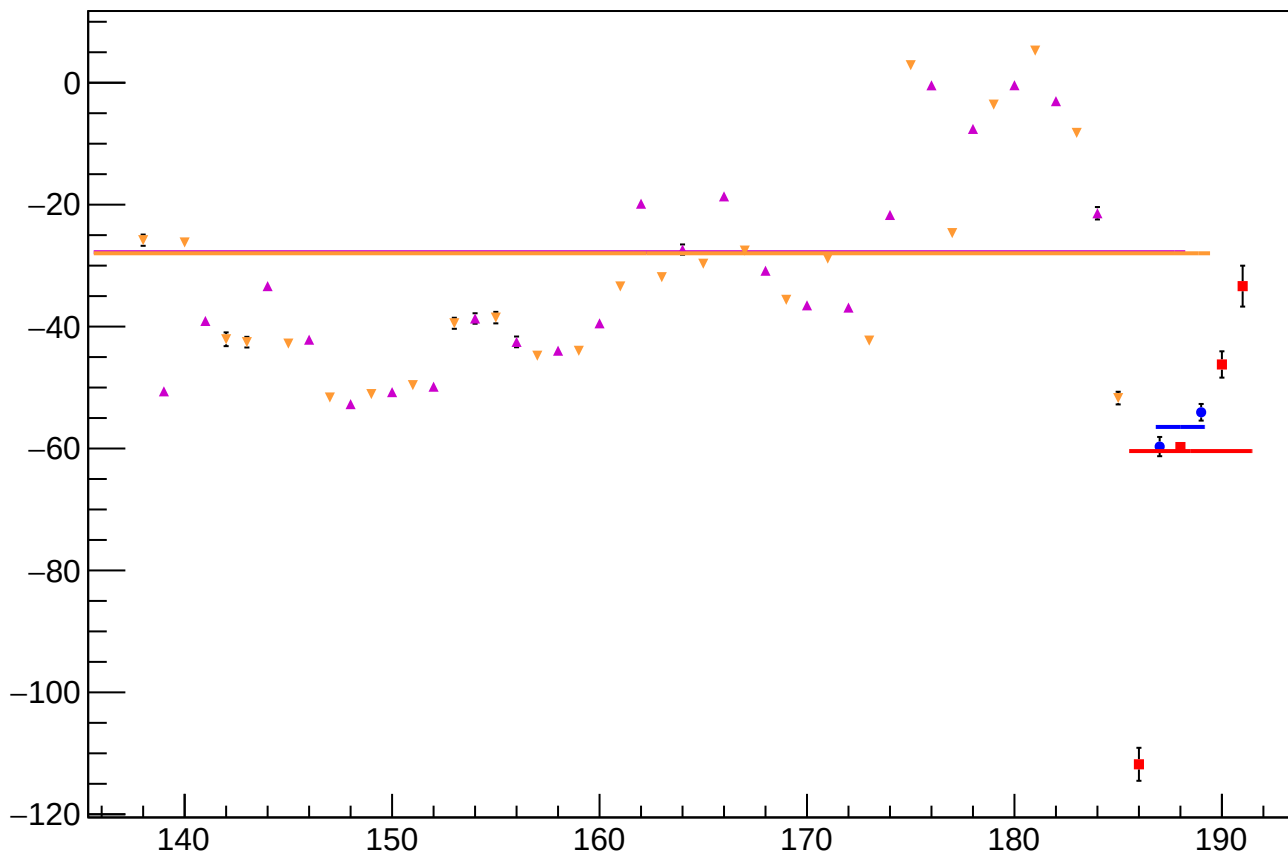
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.785 $\pm$ 1.503 χ^2 /NDF: 6.2/1
 Left Out: 0.218 $\pm$ 0.109 χ^2 /NDF:8252.6/24
 Right Out: 2.981 $\pm$ 0.986 χ^2 /NDF: 329.1/3
 Left In: 0.507 $\pm$ 0.112 χ^2 /NDF:6626.9/22

Left: 0.358 $\pm$ 0.078 χ^2 /NDF: 14883.0/47
 Right: 4.125 $\pm$ 0.824 χ^2 /NDF: 339.8/5
 In: 0.541 $\pm$ 0.111 χ^2 /NDF:6650.5/24
 Out: 0.251 $\pm$ 0.108 χ^2 /NDF:8589.5/28
 All: 0.392 $\pm$ 0.078 χ^2 /NDF: 15243.5/53

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.462 $\pm$ 1.032 χ^2 /NDF: 7.3/1

Left Out: -27.977 $\pm$ 0.140 χ^2 /NDF:17079.0/24

Right Out: -60.419 $\pm$ 0.595 χ^2 /NDF: 469.9/3

Left In: -27.796 $\pm$ 0.142 χ^2 /NDF:15193.3/22

Left: -27.888 $\pm$ 0.100 χ^2 /NDF: 32273.2/47

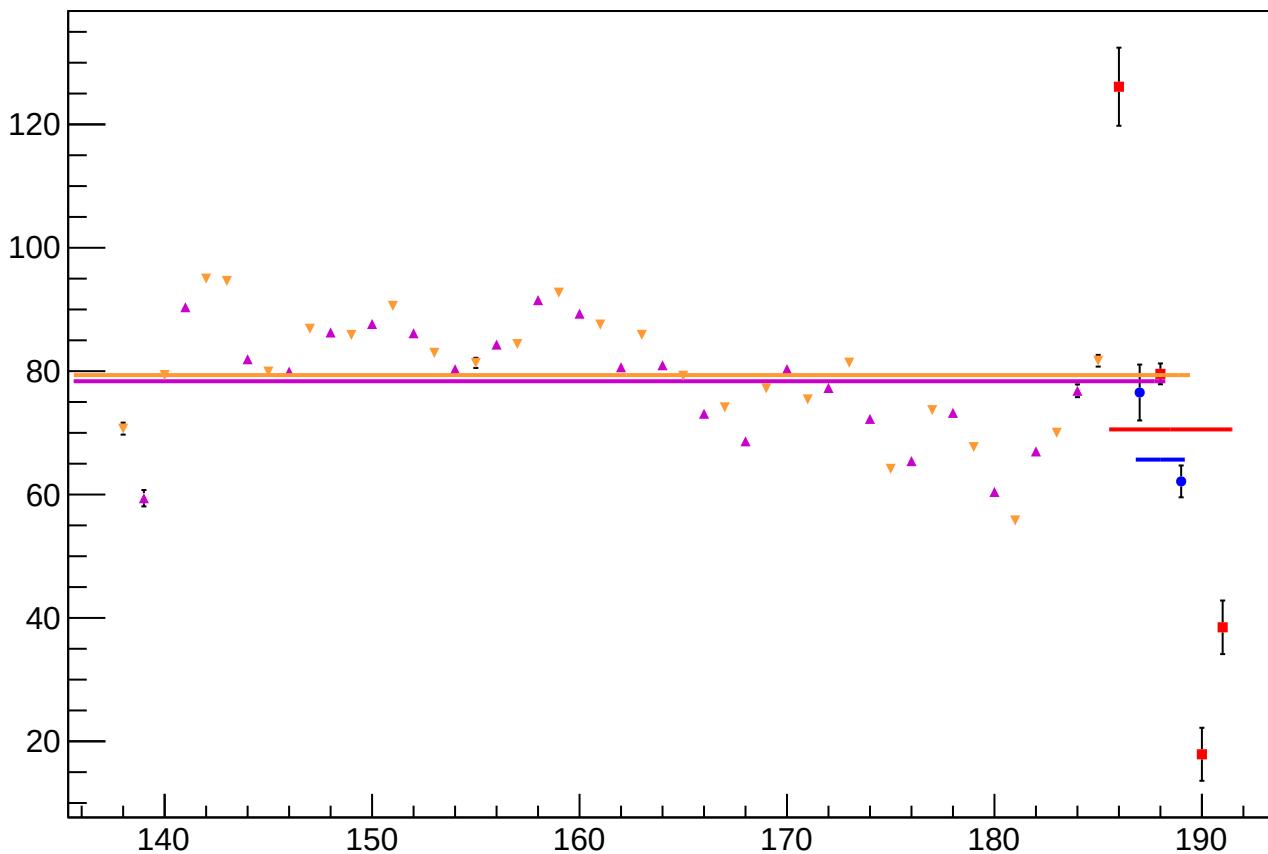
Right: -59.432 $\pm$ 0.515 χ^2 /NDF: 488.2/5

In: -28.327 $\pm$ 0.140 χ^2 /NDF:15957.2/24

Out: -29.682 $\pm$ 0.136 χ^2 /NDF:20365.9/28

All: -29.024 $\pm$ 0.098 χ^2 /NDF: 36371.0/53

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 65.665 $\pm$ 2.243 χ^2 /NDF: 7.6/1

Left Out: 79.364 $\pm$ 0.123 χ^2 /NDF: 5966.3/24

Right Out: 70.556 $\pm$ 1.438 χ^2 /NDF: 310.4/3

Left In: 78.367 $\pm$ 0.126 χ^2 /NDF: 4735.5/22

Left: 78.877 $\pm$ 0.088 χ^2 /NDF: 10733.6/47

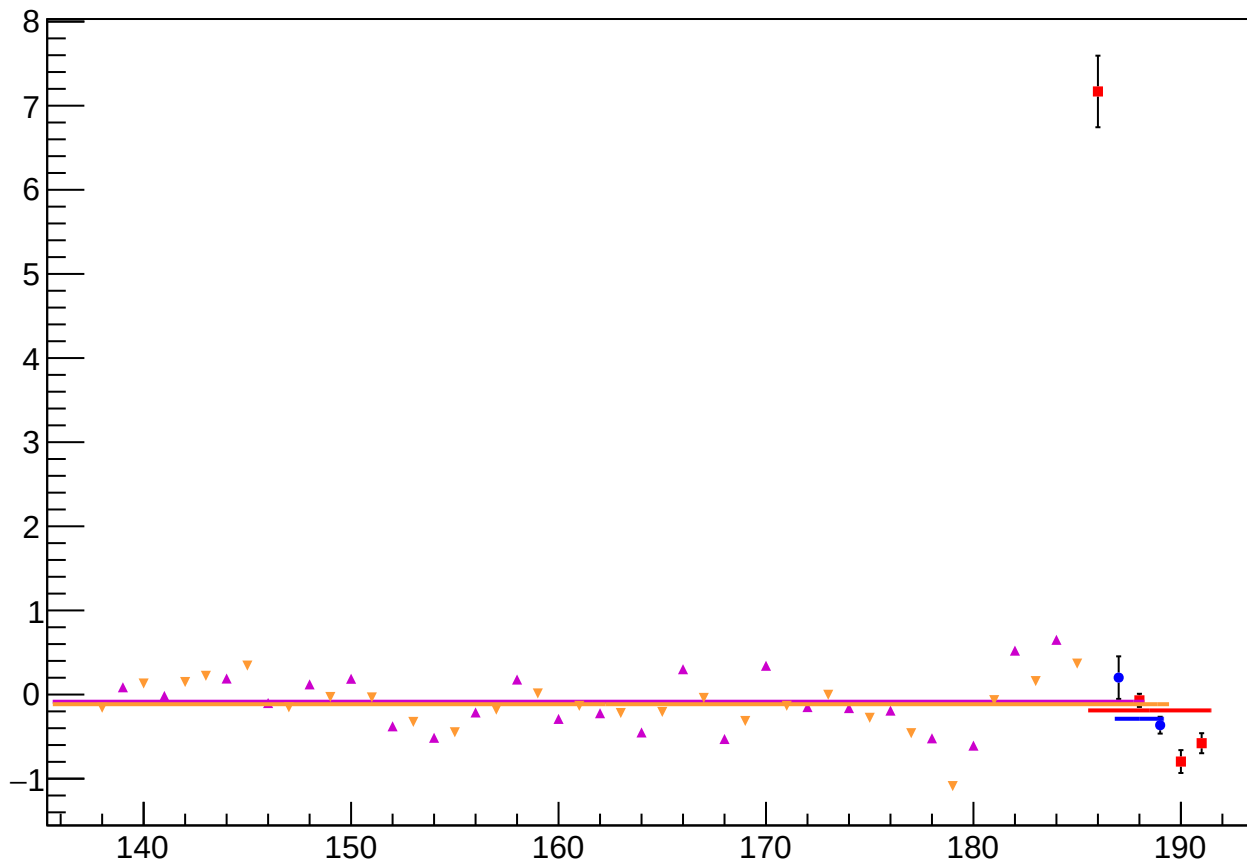
Right: 69.132 $\pm$ 1.210 χ^2 /NDF: 321.4/5

In: 78.327 $\pm$ 0.126 χ^2 /NDF: 4775.1/24

Out: 79.299 $\pm$ 0.123 χ^2 /NDF: 6313.9/28

All: 78.825 $\pm$ 0.088 χ^2 /NDF: 11119.5/53

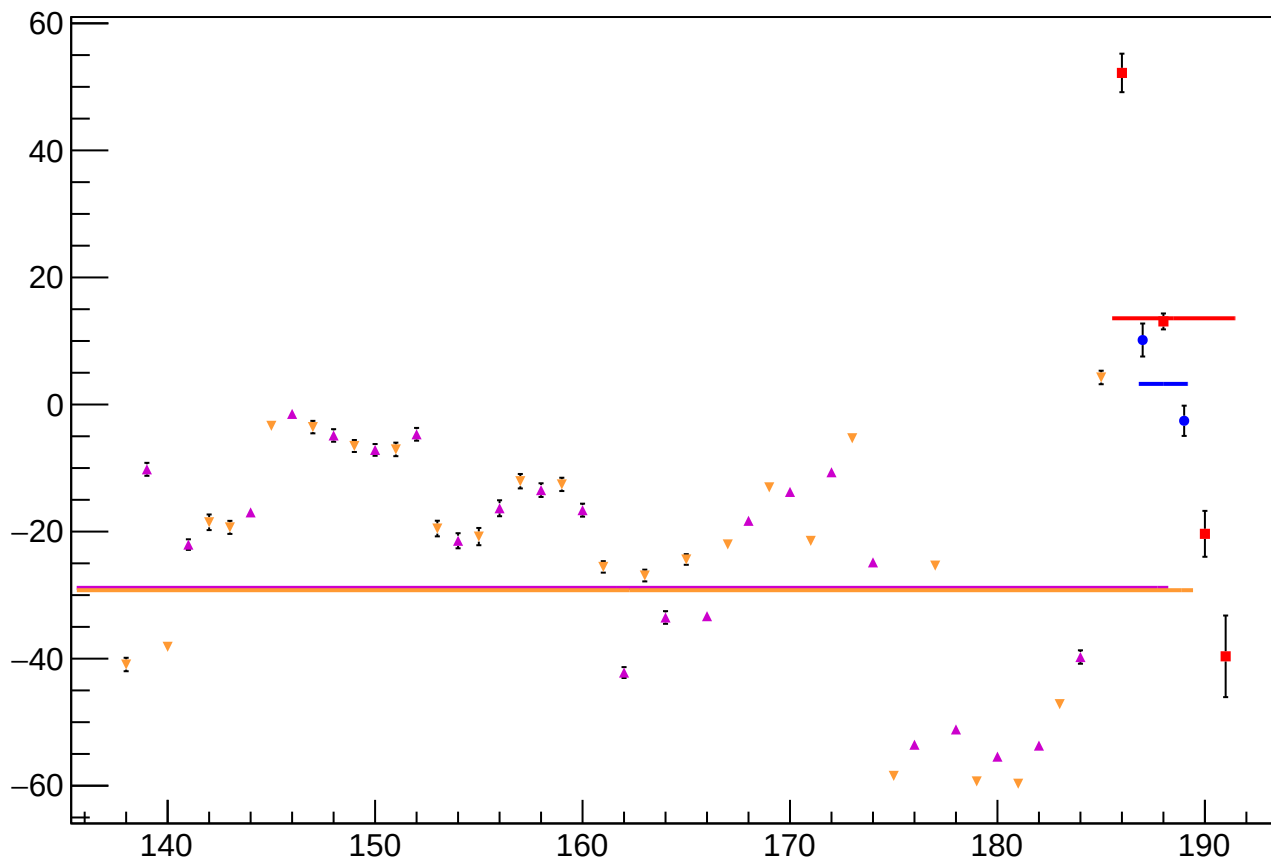
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.288 ± 0.093 $\chi^2/\text{NDF}: 4.3/1$
 Left Out: -0.115 ± 0.006 $\chi^2/\text{NDF}: 2288.7/24$
 Right Out: -0.189 ± 0.058 $\chi^2/\text{NDF}: 332.2/3$
 Left In: -0.085 ± 0.006 $\chi^2/\text{NDF}: 3148.4/22$

Left: -0.100 ± 0.004 $\chi^2/\text{NDF}: 5450.5/47$
 Right: -0.217 ± 0.049 $\chi^2/\text{NDF}: 337.4/5$
 In: -0.086 ± 0.006 $\chi^2/\text{NDF}: 3157.5/24$
 Out: -0.115 ± 0.006 $\chi^2/\text{NDF}: 2622.6/28$
 All: -0.101 ± 0.004 $\chi^2/\text{NDF}: 5793.4/53$

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 3.246 ± 1.755 $\chi^2/\text{NDF}: 13.0/1$

Left Out: -29.227 ± 0.157 $\chi^2/\text{NDF}: 16880.0/24$

Right Out: 13.573 ± 1.086 $\chi^2/\text{NDF}: 319.4/3$

Left In: -28.857 ± 0.159 $\chi^2/\text{NDF}: 13553.6/22$

Left: -29.044 ± 0.112 $\chi^2/\text{NDF}: 30436.3/47$

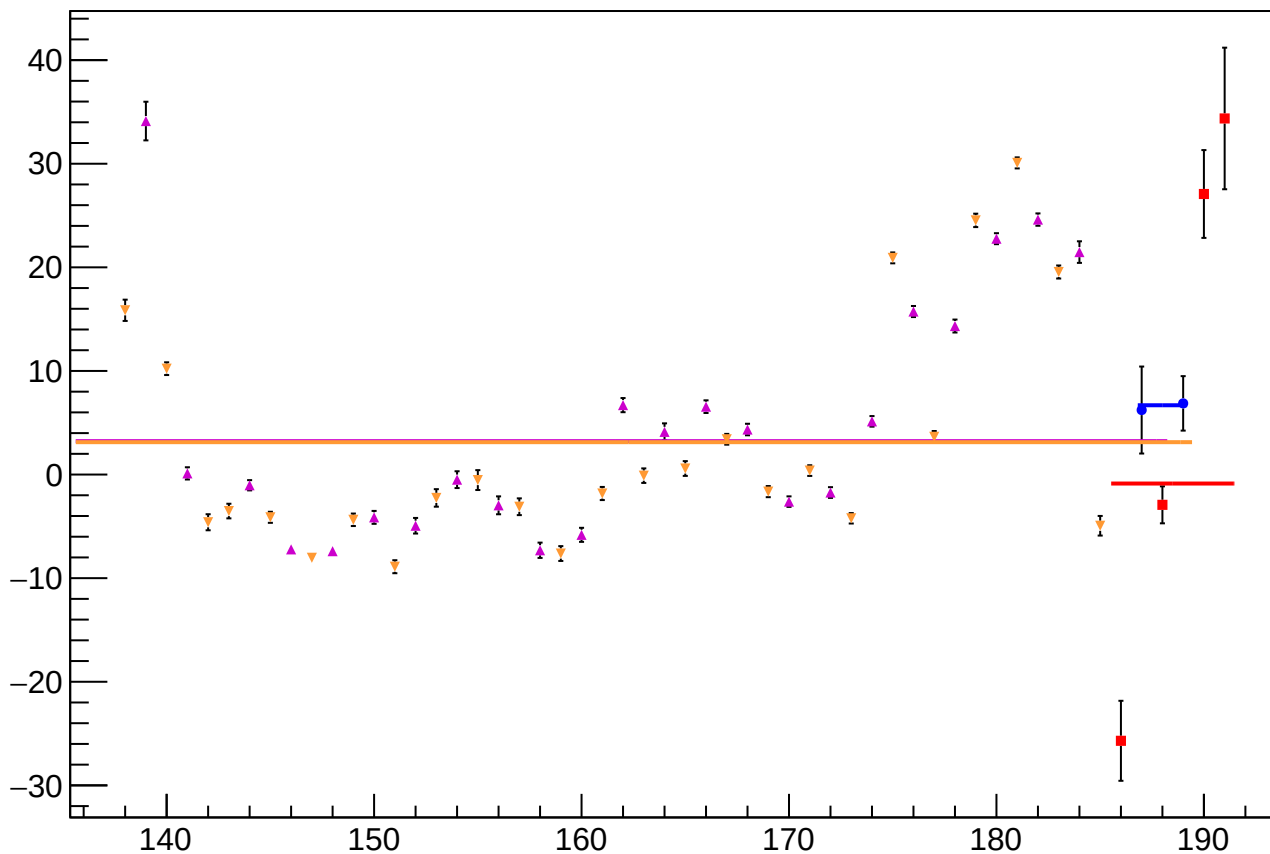
Right: 10.712 ± 0.924 $\chi^2/\text{NDF}: 357.5/5$

In: -28.595 ± 0.158 $\chi^2/\text{NDF}: 13898.7/24$

Out: -28.351 ± 0.155 $\chi^2/\text{NDF}: 18720.2/28$

All: -28.471 ± 0.111 $\chi^2/\text{NDF}: 32620.1/53$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.689 $\pm$ 2.228 χ^2 /NDF: 0.0/1

Left Out: 3.126 $\pm$ 0.125 χ^2 /NDF:8049.0/24

Right Out: -0.867 $\pm$ 1.478 χ^2 /NDF: 112.8/3

Left In: 3.224 $\pm$ 0.127 χ^2 /NDF:6274.0/22

Left: 3.174 $\pm$ 0.089 χ^2 /NDF: 14323.3/47

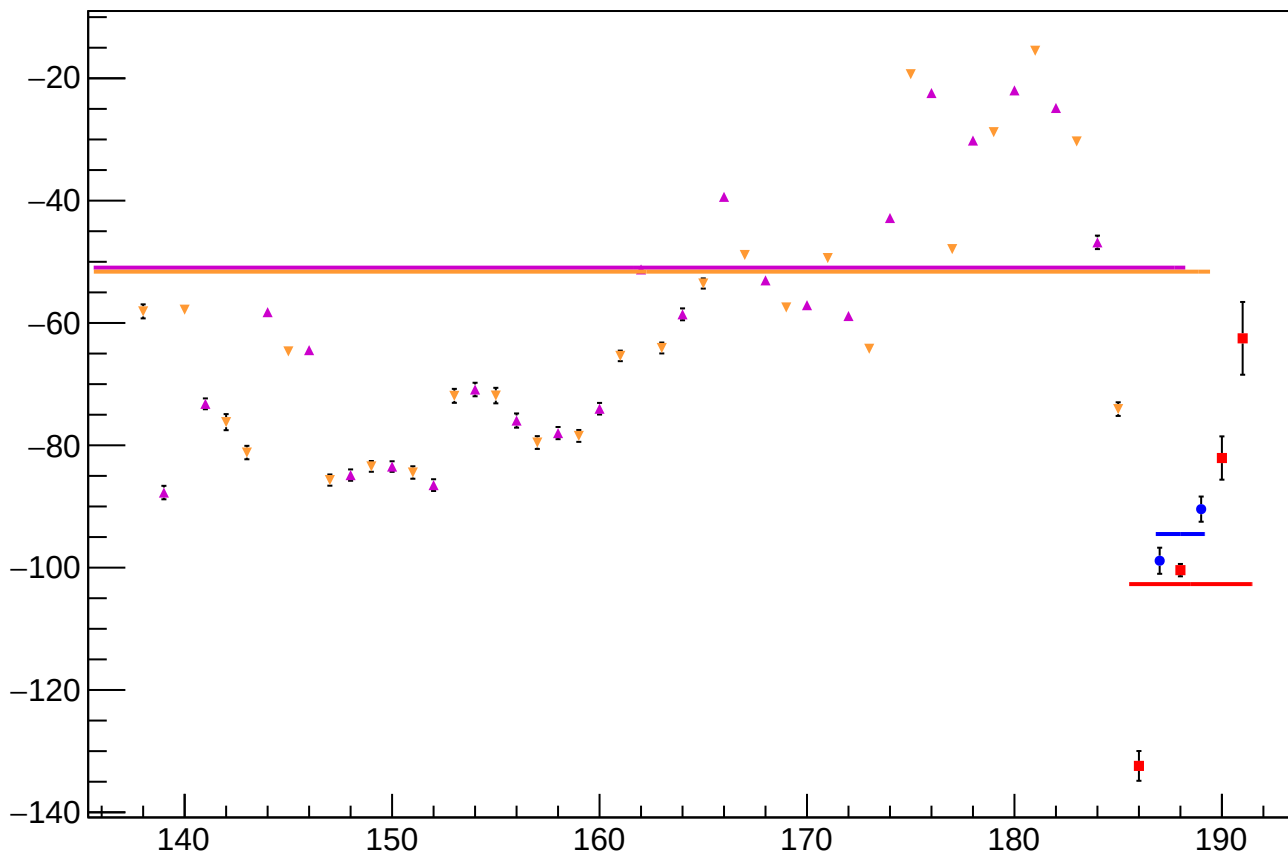
Right: 1.441 $\pm$ 1.231 χ^2 /NDF: 120.8/5

In: 3.235 $\pm$ 0.126 χ^2 /NDF:6276.4/24

Out: 3.097 $\pm$ 0.124 χ^2 /NDF:8169.1/28

All: 3.165 $\pm$ 0.089 χ^2 /NDF: 14446.1/53

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -94.503+/-1.482 χ^2/NDF : 8.1/1

Left Out: -51.610+/-0.158 χ^2/NDF :19384.9/24

Right Out: -102.691+/-0.892 χ^2/NDF : 233.6/3

Left In: -50.954+/-0.159 χ^2/NDF :17472.2/22

Left: -51.285+/-0.112 χ^2/NDF : 36865.6/47

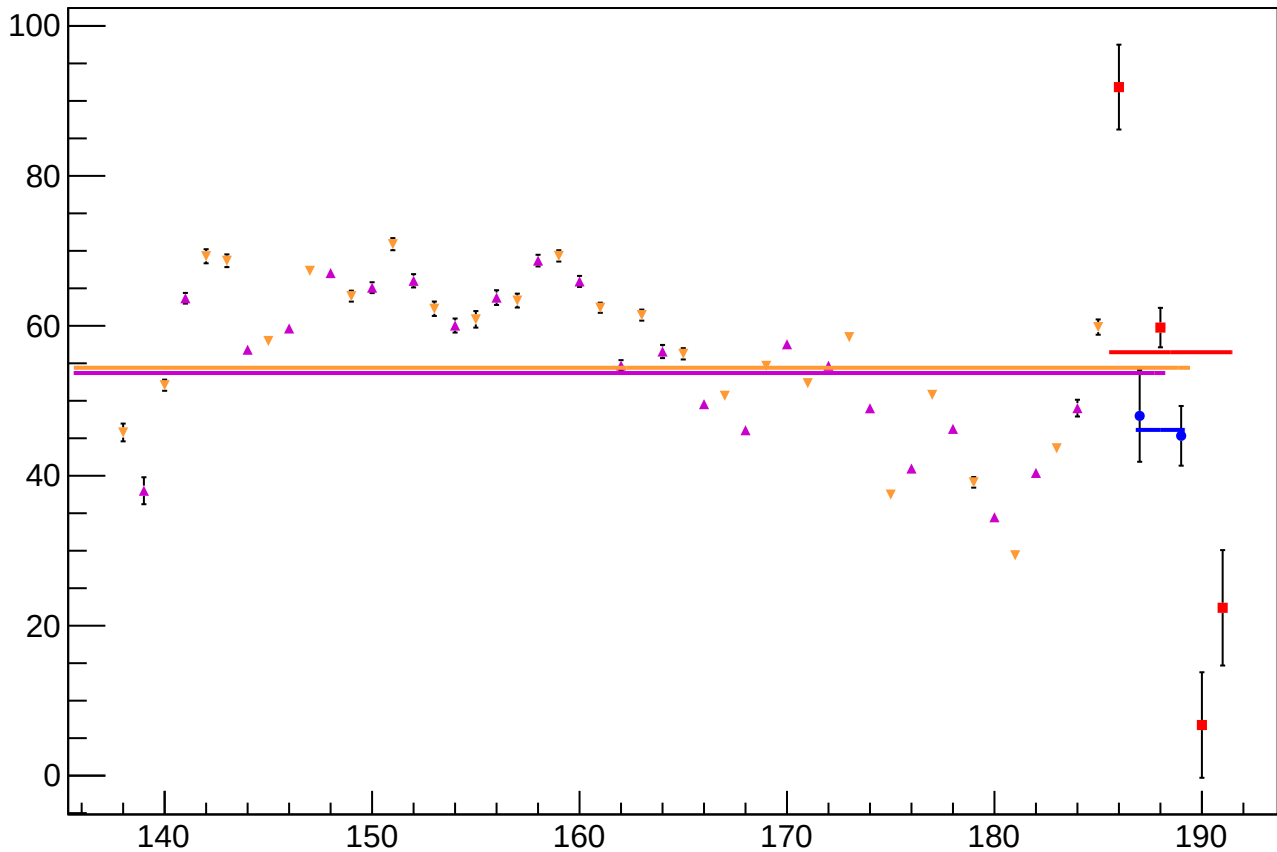
Right: -100.511+/-0.764 χ^2/NDF : 264.1/5

In: -51.453+/-0.159 χ^2/NDF :18334.4/24

Out: -53.165+/-0.156 χ^2/NDF :22794.8/28

All: -52.324+/-0.111 χ^2/NDF : 41188.6/53

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 46.118 $\pm$ 3.338 χ^2 /NDF: 0.1/1

Left Out: 54.407 $\pm$ 0.141 χ^2 /NDF: 6200.4/24

Right Out: 56.478 $\pm$ 2.168 χ^2 /NDF: 110.1/3

Left In: 53.704 $\pm$ 0.143 χ^2 /NDF: 4603.5/22

Left: 54.060 $\pm$ 0.100 χ^2 /NDF: 10816.3/47

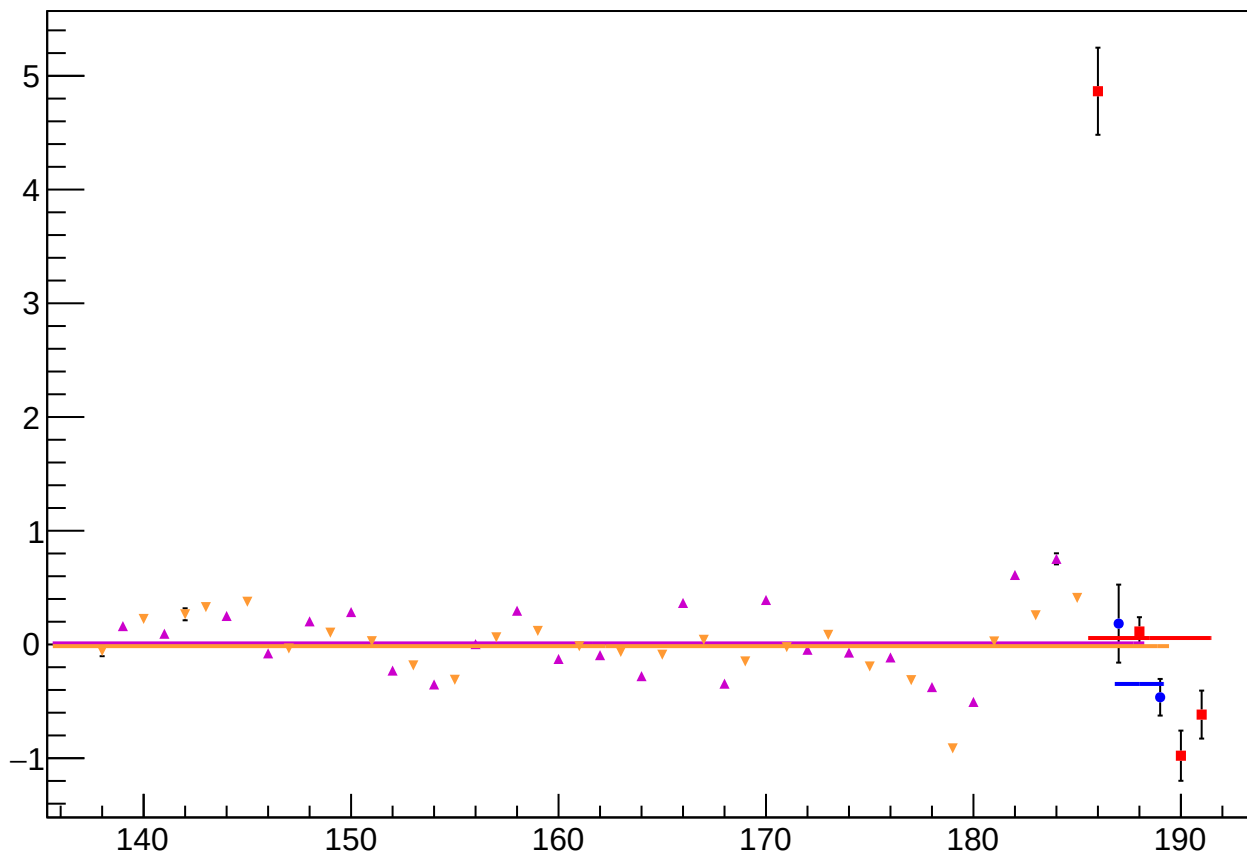
Right: 53.403 $\pm$ 1.818 χ^2 /NDF: 117.0/5

In: 53.690 $\pm$ 0.142 χ^2 /NDF: 4608.8/24

Out: 54.415 $\pm$ 0.140 χ^2 /NDF: 6311.5/28

All: 54.058 $\pm$ 0.100 χ^2 /NDF: 10933.4/53

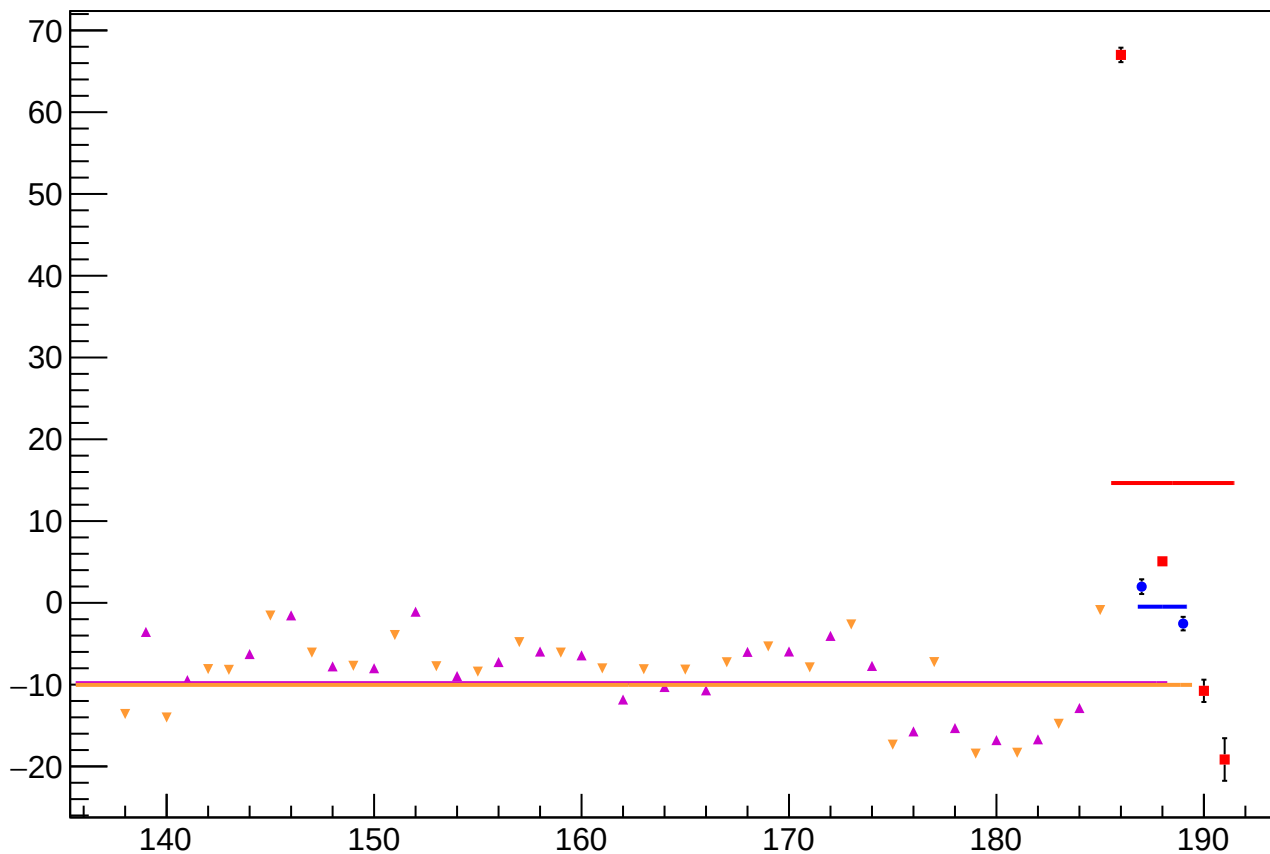
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.347 ± 0.146 χ^2/NDF : 2.9/1
 Left Out: -0.015 ± 0.006 χ^2/NDF : 1645.9/24
 Right Out: 0.057 ± 0.094 χ^2/NDF : 190.0/3
 Left In: 0.009 ± 0.007 χ^2/NDF : 2228.9/22

Left: -0.003 ± 0.005 χ^2/NDF : 3881.7/47
 Right: -0.062 ± 0.079 χ^2/NDF : 198.3/5
 In: 0.009 ± 0.007 χ^2/NDF : 2237.8/24
 Out: -0.014 ± 0.006 χ^2/NDF : 1836.4/28
 All: -0.003 ± 0.005 χ^2/NDF : 4080.6/53

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.469 ± 0.610 $\chi^2/\text{NDF}: 13.6/1$

Left Out: -10.030 ± 0.051 $\chi^2/\text{NDF}: 12530.2/24$

Right Out: 14.652 ± 0.378 $\chi^2/\text{NDF}: 4477.7/3$

Left In: -9.820 ± 0.051 $\chi^2/\text{NDF}: 9468.8/22$

Left: -9.926 ± 0.036 $\chi^2/\text{NDF}: 22007.5/47$

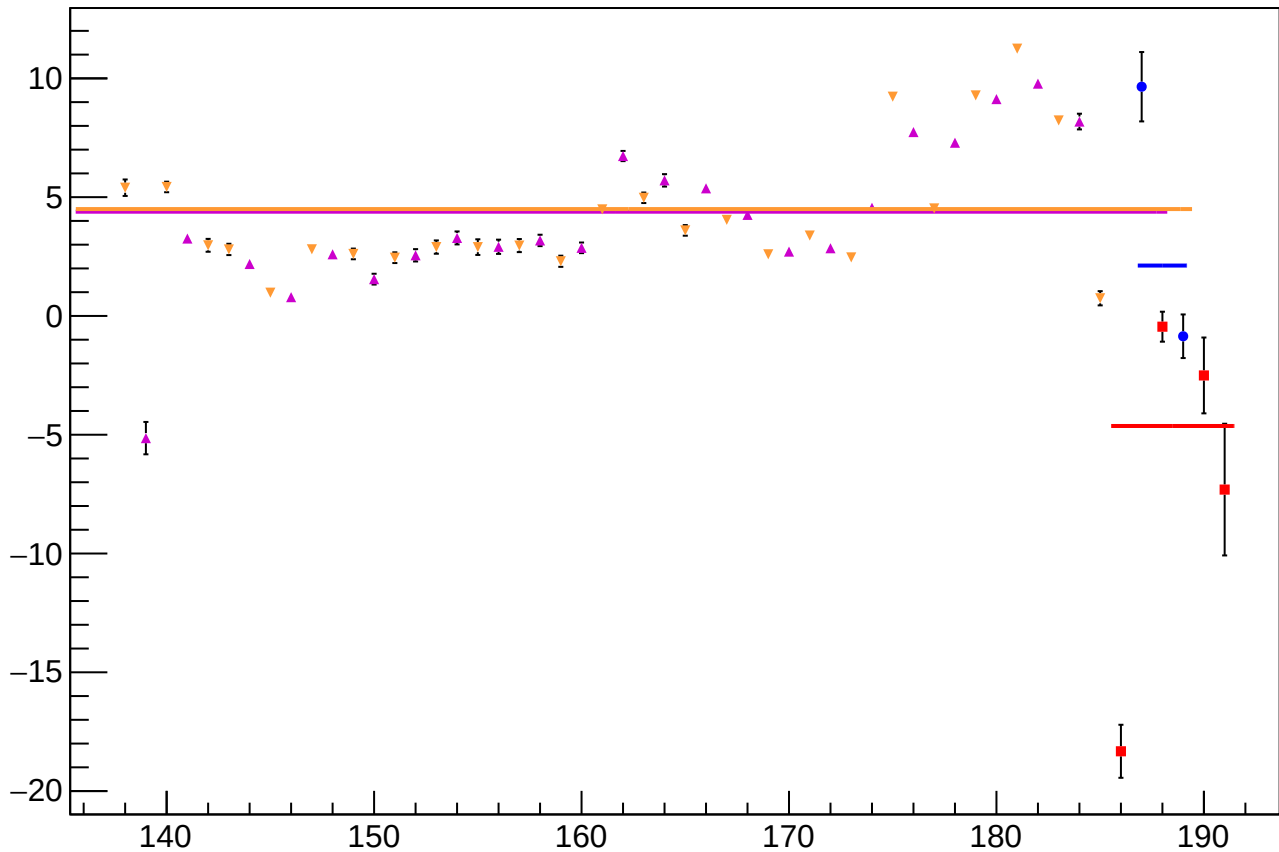
Right: 10.460 ± 0.321 $\chi^2/\text{NDF}: 4934.9/5$

In: -9.755 ± 0.051 $\chi^2/\text{NDF}: 9715.5/24$

Out: -9.593 ± 0.050 $\chi^2/\text{NDF}: 21196.0/28$

All: -9.673 ± 0.036 $\chi^2/\text{NDF}: 30916.6/53$

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.121+/-0.777 χ^2/NDF : 37.1/1

Left Out: 4.499+/-0.041 χ^2/NDF : 4809.3/24

Right Out: -4.632+/-0.510 χ^2/NDF : 197.1/3

Left In: 4.388+/-0.041 χ^2/NDF : 4266.4/22

Left: 4.444+/-0.029 χ^2/NDF : 9079.4/47

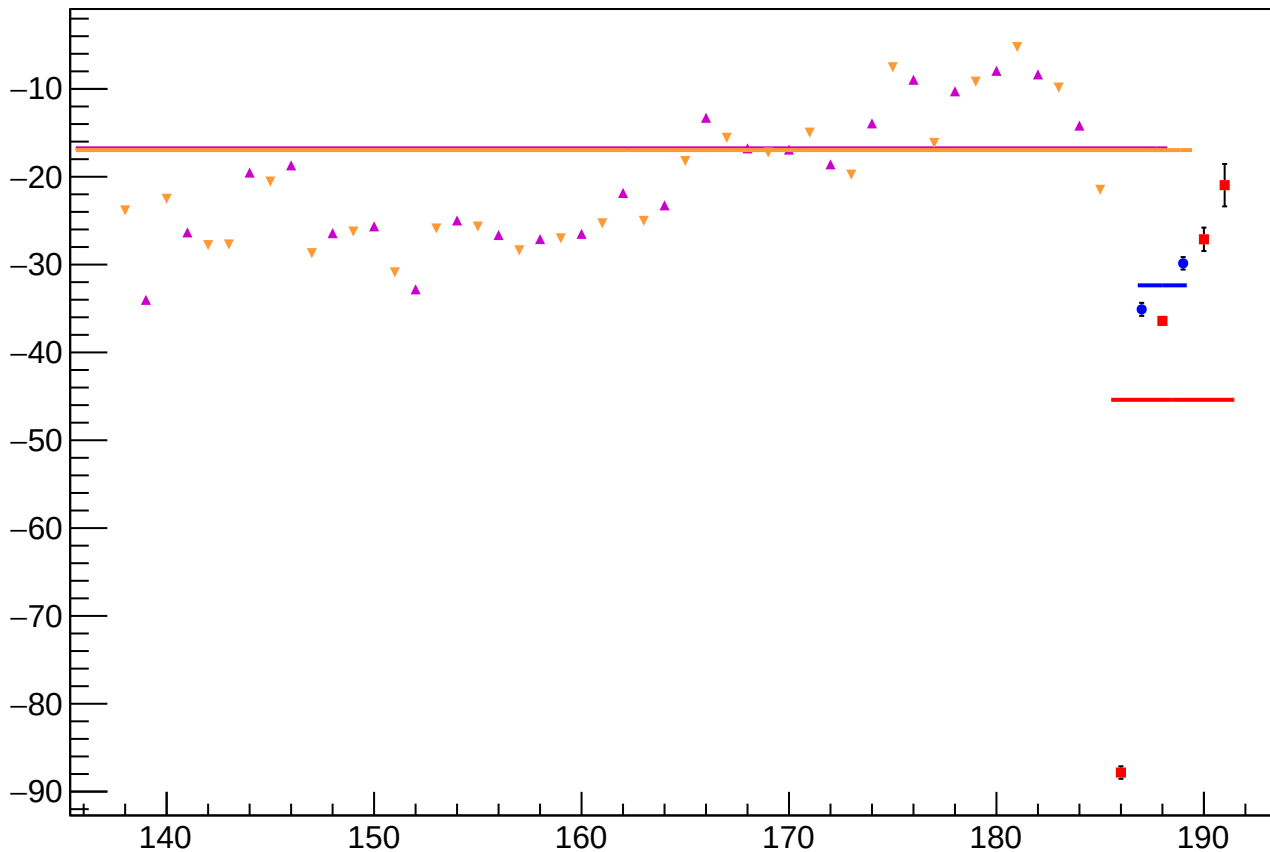
Right: -2.597+/-0.427 χ^2/NDF : 287.0/5

In: 4.382+/-0.041 χ^2/NDF : 4312.0/24

Out: 4.441+/-0.041 χ^2/NDF : 5324.4/28

All: 4.411+/-0.029 χ^2/NDF : 9637.5/53

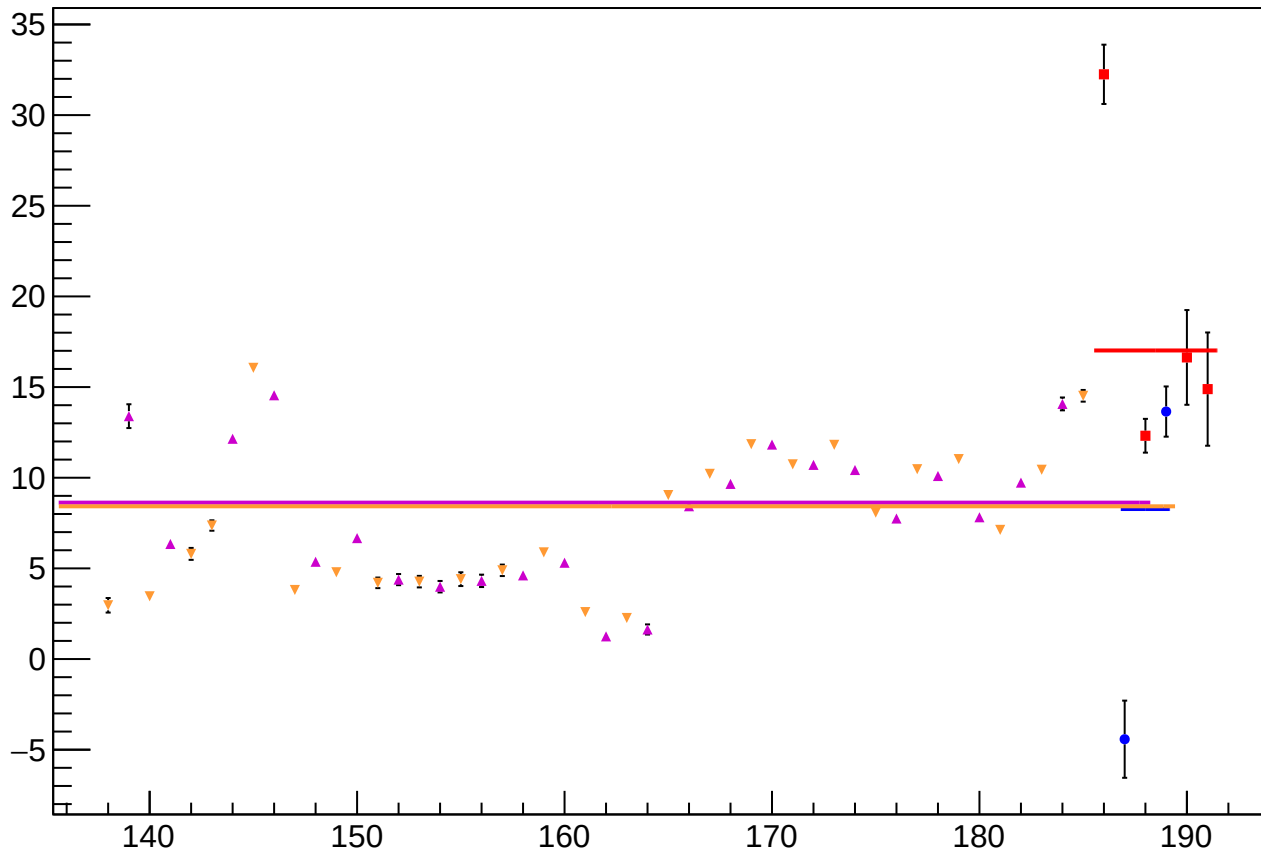
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -32.364 ± 0.513 $\chi^2/\text{NDF}: 26.1/1$
 Left Out: -16.965 ± 0.051 $\chi^2/\text{NDF}: 21902.1/24$
 Right Out: -45.394 ± 0.309 $\chi^2/\text{NDF}: 4478.2/3$
 Left In: -16.764 ± 0.051 $\chi^2/\text{NDF}: 19037.7/22$

Left: -16.865 ± 0.036 $\chi^2/\text{NDF}: 40947.4/47$
 Right: -41.919 ± 0.265 $\chi^2/\text{NDF}: 4977.4/5$
 In: -16.919 ± 0.051 $\chi^2/\text{NDF}: 19979.3/24$
 Out: -17.721 ± 0.050 $\chi^2/\text{NDF}: 34600.6/28$
 All: -17.325 ± 0.036 $\chi^2/\text{NDF}: 54704.9/53$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 8.275+/-1.161 χ^2/NDF : 50.7/1

Left Out: 8.424+/-0.046 χ^2/NDF : 6478.6/24

Right Out: 17.019+/-0.750 χ^2/NDF : 112.7/3

Left In: 8.626+/-0.046 χ^2/NDF : 5531.9/22

Left: 8.524+/-0.032 χ^2/NDF : 12020.2/47

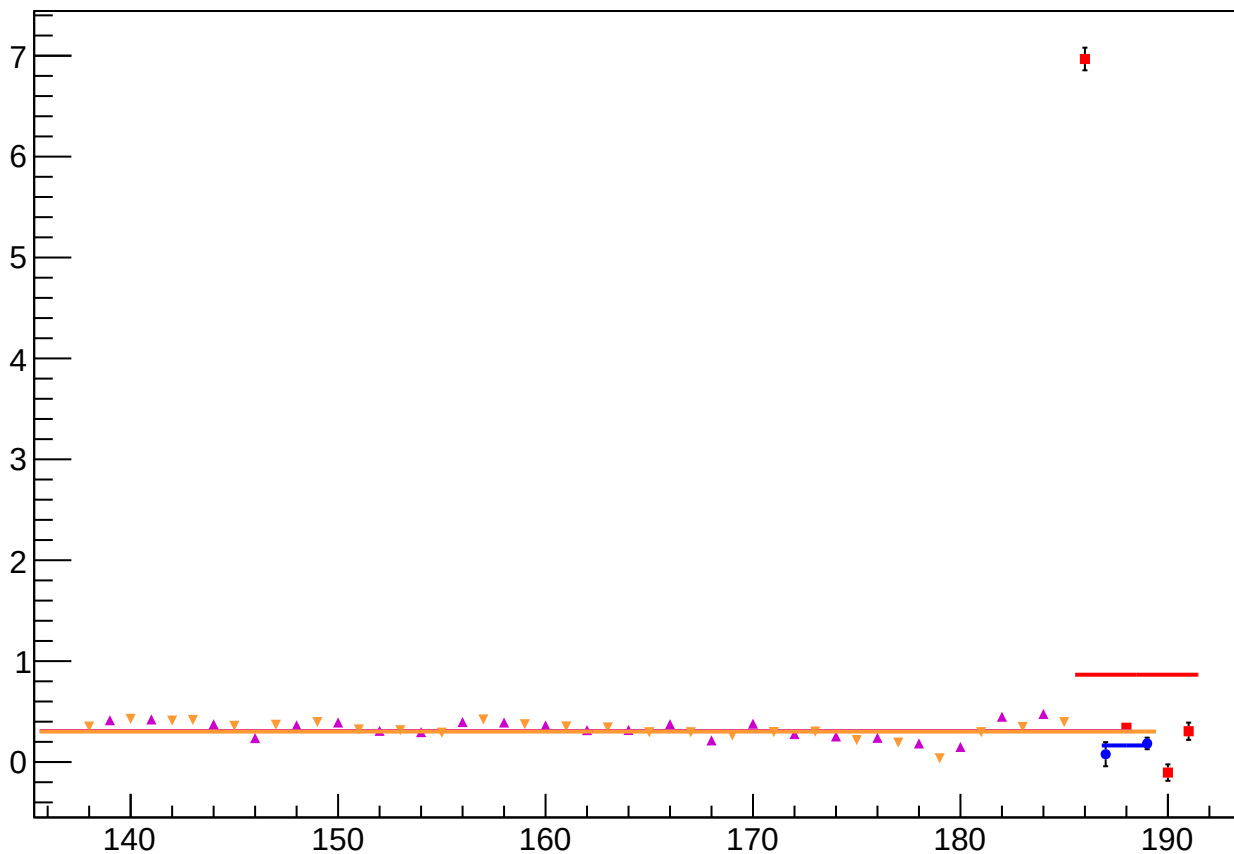
Right: 14.441+/-0.630 χ^2/NDF : 203.4/5

In: 8.625+/-0.046 χ^2/NDF : 5582.6/24

Out: 8.456+/-0.046 χ^2/NDF : 6722.0/28

All: 8.540+/-0.032 χ^2/NDF : 12311.5/53

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.164 ± 0.052 $\chi^2/\text{NDF}: 0.7/1$

Left Out: 0.302 ± 0.002 $\chi^2/\text{NDF}: 1589.8/24$

Right Out: 0.865 ± 0.034 $\chi^2/\text{NDF}: 3281.1/3$

Left In: 0.307 ± 0.002 $\chi^2/\text{NDF}: 1716.8/22$

Left: 0.305 ± 0.001 $\chi^2/\text{NDF}: 3309.3/47$

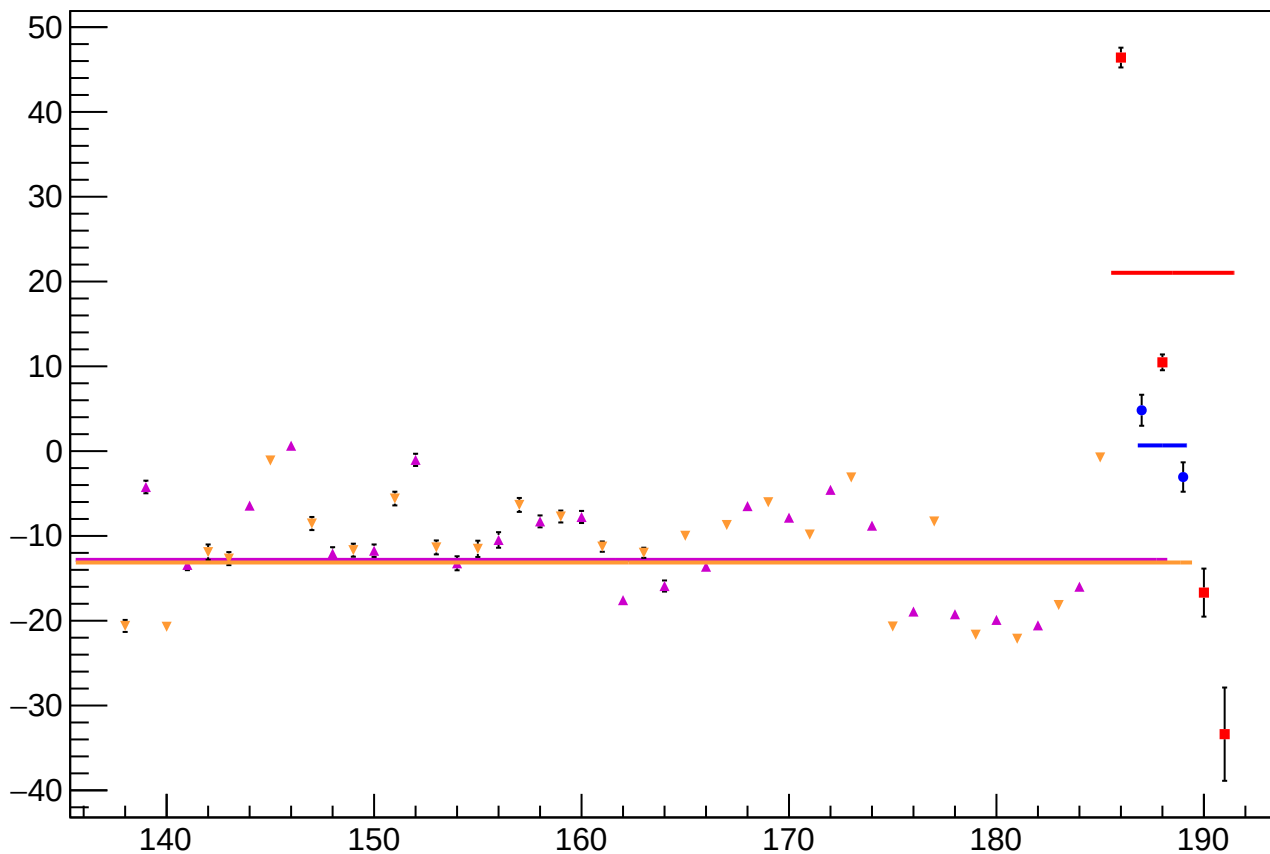
Right: 0.653 ± 0.028 $\chi^2/\text{NDF}: 3410.4/5$

In: 0.307 ± 0.002 $\chi^2/\text{NDF}: 1725.1/24$

Out: 0.304 ± 0.002 $\chi^2/\text{NDF}: 5144.2/28$

All: 0.306 ± 0.001 $\chi^2/\text{NDF}: 6870.0/53$

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.673+/-1.258 χ^2/NDF : 9.8/1

Left Out: -13.133+/-0.094 χ^2/NDF : 5974.5/24

Right Out: 21.030+/-0.700 χ^2/NDF : 877.0/3

Left In: -12.823+/-0.095 χ^2/NDF : 4841.5/22

Left: -12.979+/-0.067 χ^2/NDF : 10821.3/47

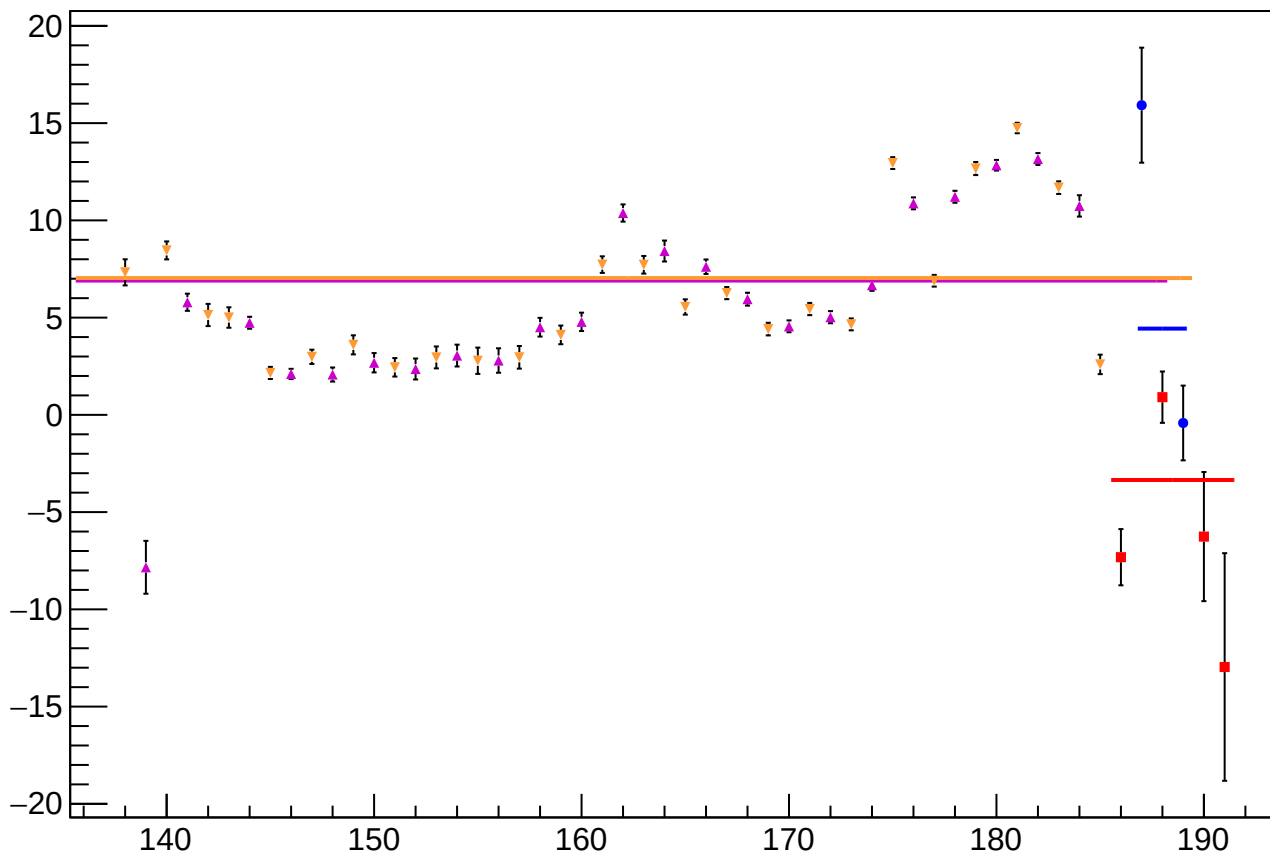
Right: 16.223+/-0.611 χ^2/NDF : 1086.7/5

In: -12.747+/-0.094 χ^2/NDF : 4965.6/24

Out: -12.530+/-0.093 χ^2/NDF : 9194.2/28

All: -12.637+/-0.066 χ^2/NDF : 14162.5/53

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.435+/-1.611 χ^2/NDF : 21.5/1

Left Out: 7.034+/-0.077 χ^2/NDF : 2657.5/24

Right Out: -3.348+/-0.923 χ^2/NDF : 21.4/3

Left In: 6.906+/-0.077 χ^2/NDF : 2442.8/22

Left: 6.970+/-0.055 χ^2/NDF : 5101.7/47

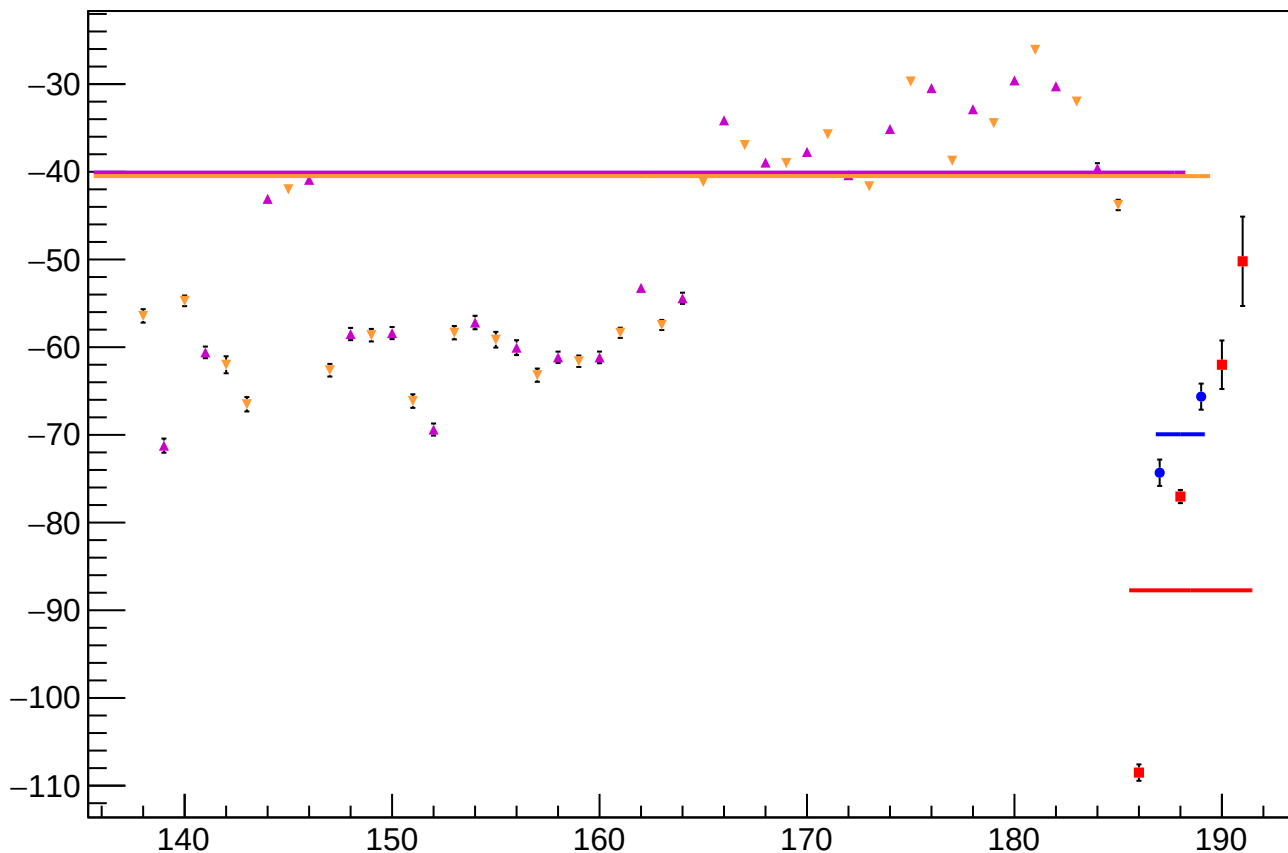
Right: -1.424+/-0.801 χ^2/NDF : 60.4/5

In: 6.901+/-0.077 χ^2/NDF : 2466.7/24

Out: 6.962+/-0.077 χ^2/NDF : 2804.5/28

All: 6.931+/-0.055 χ^2/NDF : 5271.4/53

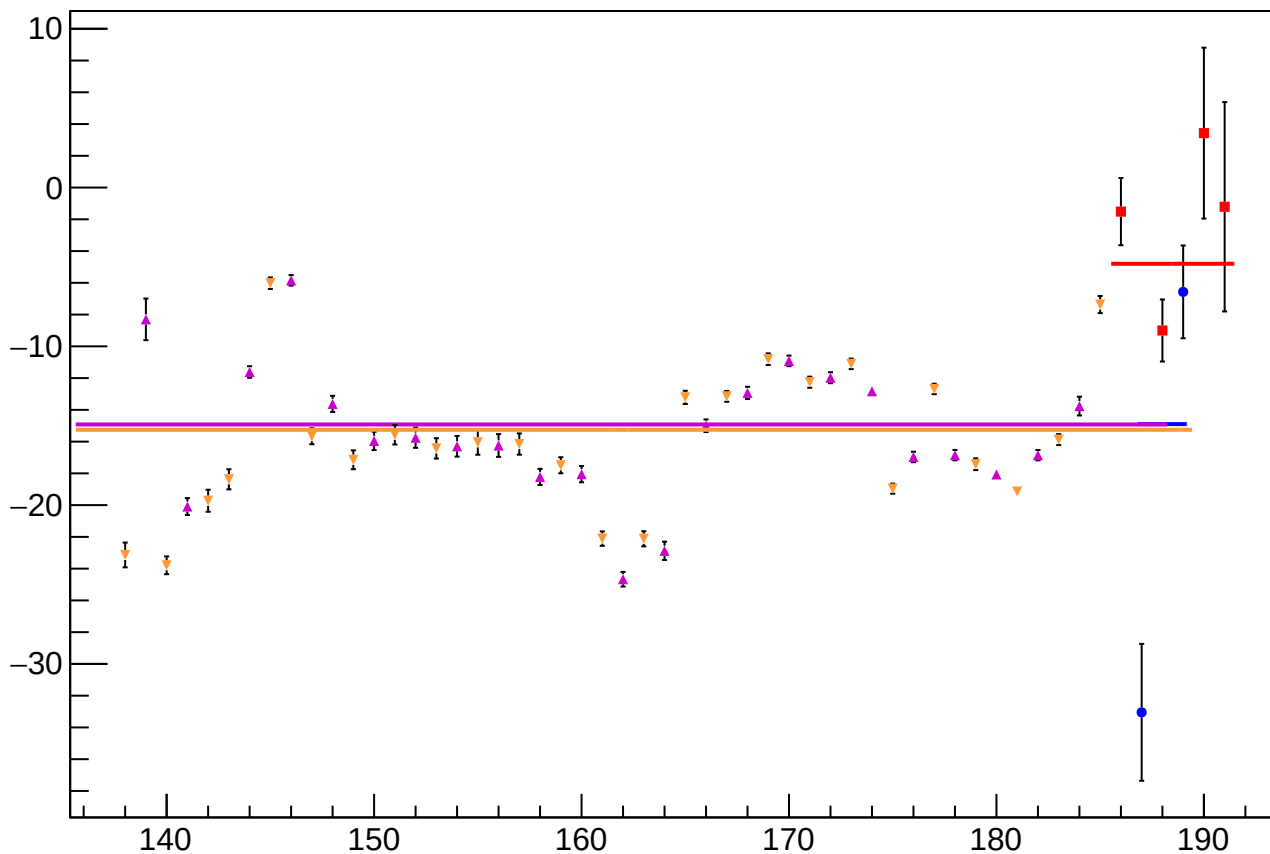
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -69.931 ± 1.057 $\chi^2/\text{NDF}: 16.9/1$
 Left Out: -40.492 ± 0.095 $\chi^2/\text{NDF}: 15435.0/24$
 Right Out: -87.727 ± 0.570 $\chi^2/\text{NDF}: 836.6/3$
 Left In: -40.091 ± 0.095 $\chi^2/\text{NDF}: 14103.5/22$

Left: -40.292 ± 0.067 $\chi^2/\text{NDF}: 29547.4/47$
 Right: -83.722 ± 0.501 $\chi^2/\text{NDF}: 1073.1/5$
 In: -40.331 ± 0.095 $\chi^2/\text{NDF}: 14911.0/24$
 Out: -41.766 ± 0.094 $\chi^2/\text{NDF}: 22962.3/28$
 All: -41.059 ± 0.067 $\chi^2/\text{NDF}: 37989.3/53$

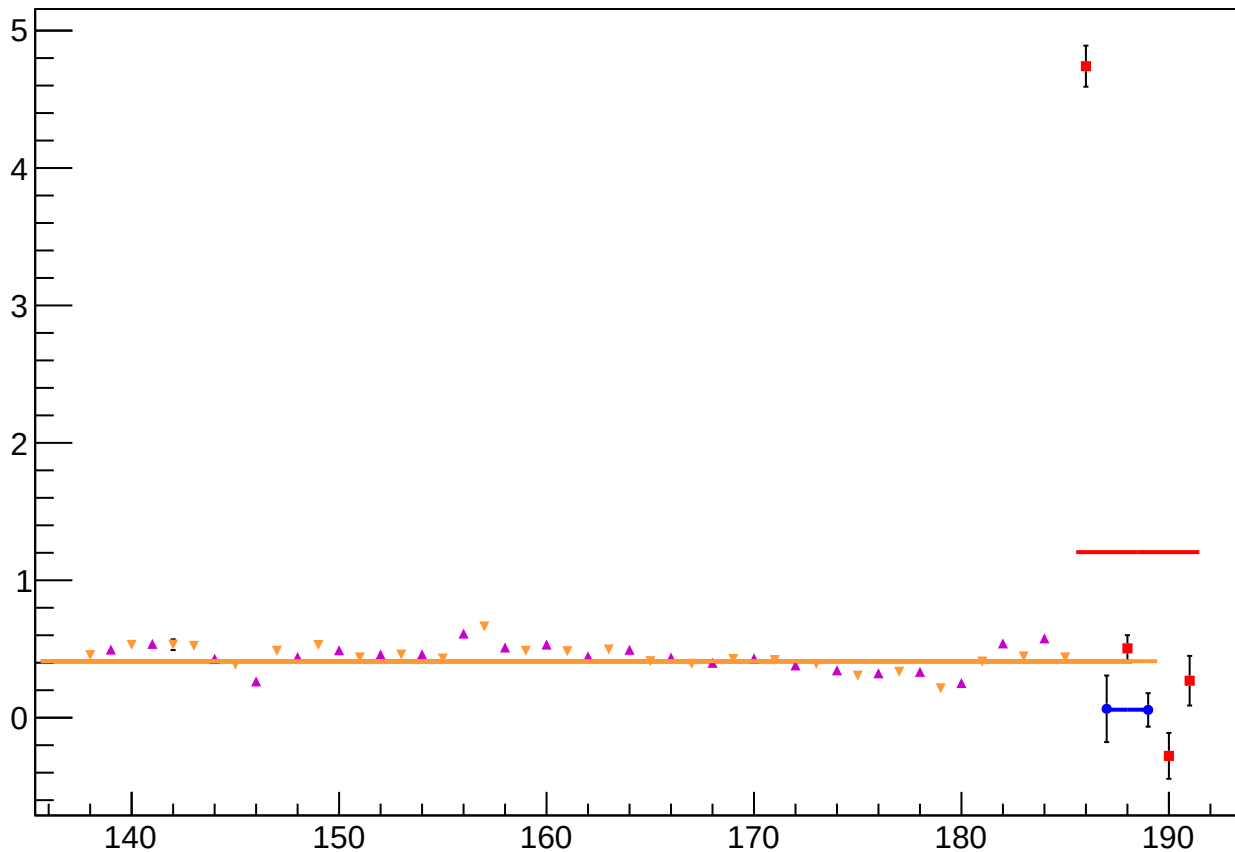
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -14.898 $\pm$ 2.418 χ^2 /NDF: 25.9/1
 Left Out: -15.254 $\pm$ 0.086 χ^2 /NDF:2594.4/24
 Right Out: -4.799 $\pm$ 1.358 χ^2 /NDF: 9.7/3
 Left In: -14.919 $\pm$ 0.087 χ^2 /NDF:2207.7/22

Left: -15.088 $\pm$ 0.061 χ^2 /NDF: 4809.7/47
 Right: -7.221 $\pm$ 1.184 χ^2 /NDF: 48.8/5
 In: -14.919 $\pm$ 0.086 χ^2 /NDF:2233.6/24
 Out: -15.213 $\pm$ 0.086 χ^2 /NDF:2663.1/28
 All: -15.067 $\pm$ 0.061 χ^2 /NDF: 4902.5/53

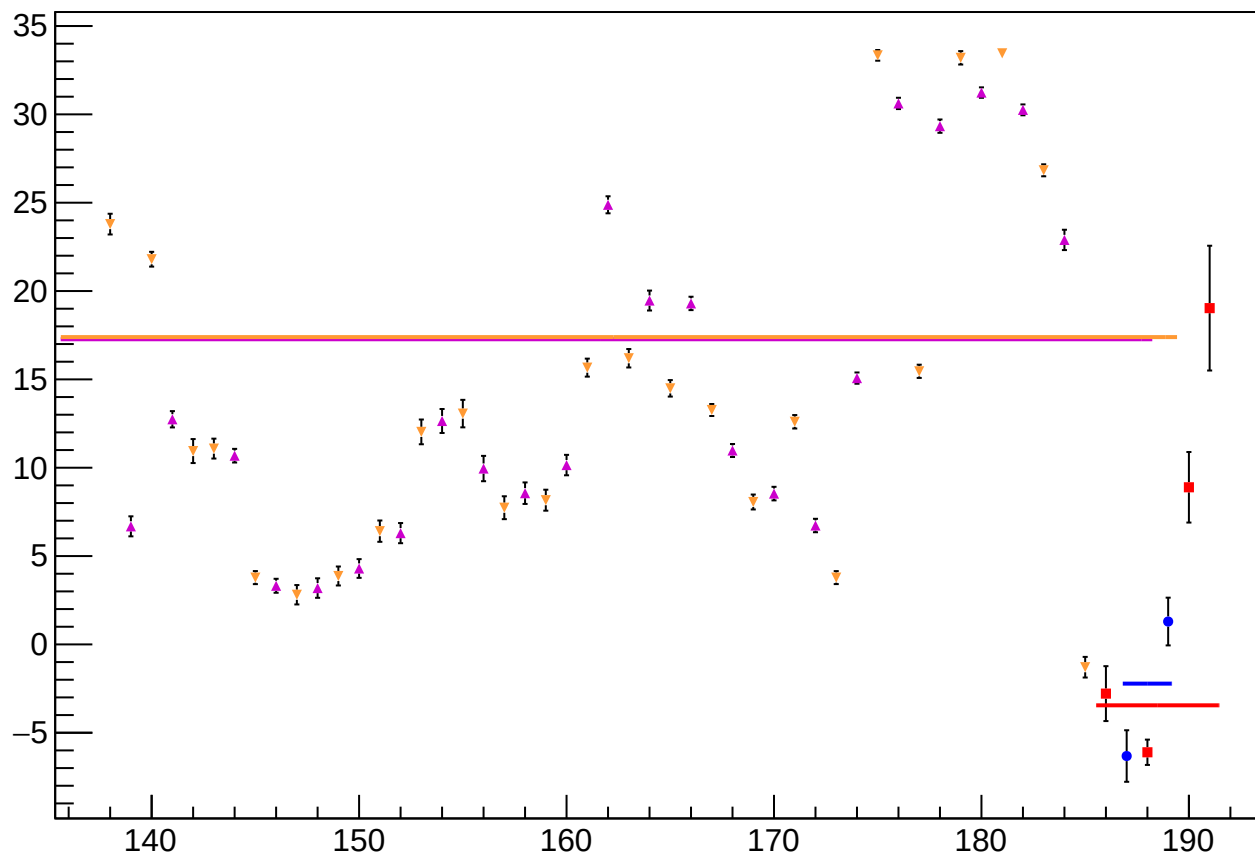
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.058 $\pm$ 0.109 χ^2 /NDF: 0.0/1
 Left Out: 0.411 $\pm$ 0.004 χ^2 /NDF:428.8/24
 Right Out: 1.205 $\pm$ 0.067 χ^2 /NDF: 719.8/3
 Left In: 0.409 $\pm$ 0.004 χ^2 /NDF:561.9/22

Left: 0.410 $\pm$ 0.003 χ^2 /NDF: 990.8/47
 Right: 0.888 $\pm$ 0.057 χ^2 /NDF: 800.0/5
 In: 0.409 $\pm$ 0.004 χ^2 /NDF:572.3/24
 Out: 0.414 $\pm$ 0.004 χ^2 /NDF:1287.1/28
 All: 0.411 $\pm$ 0.003 χ^2 /NDF: 1860.2/53

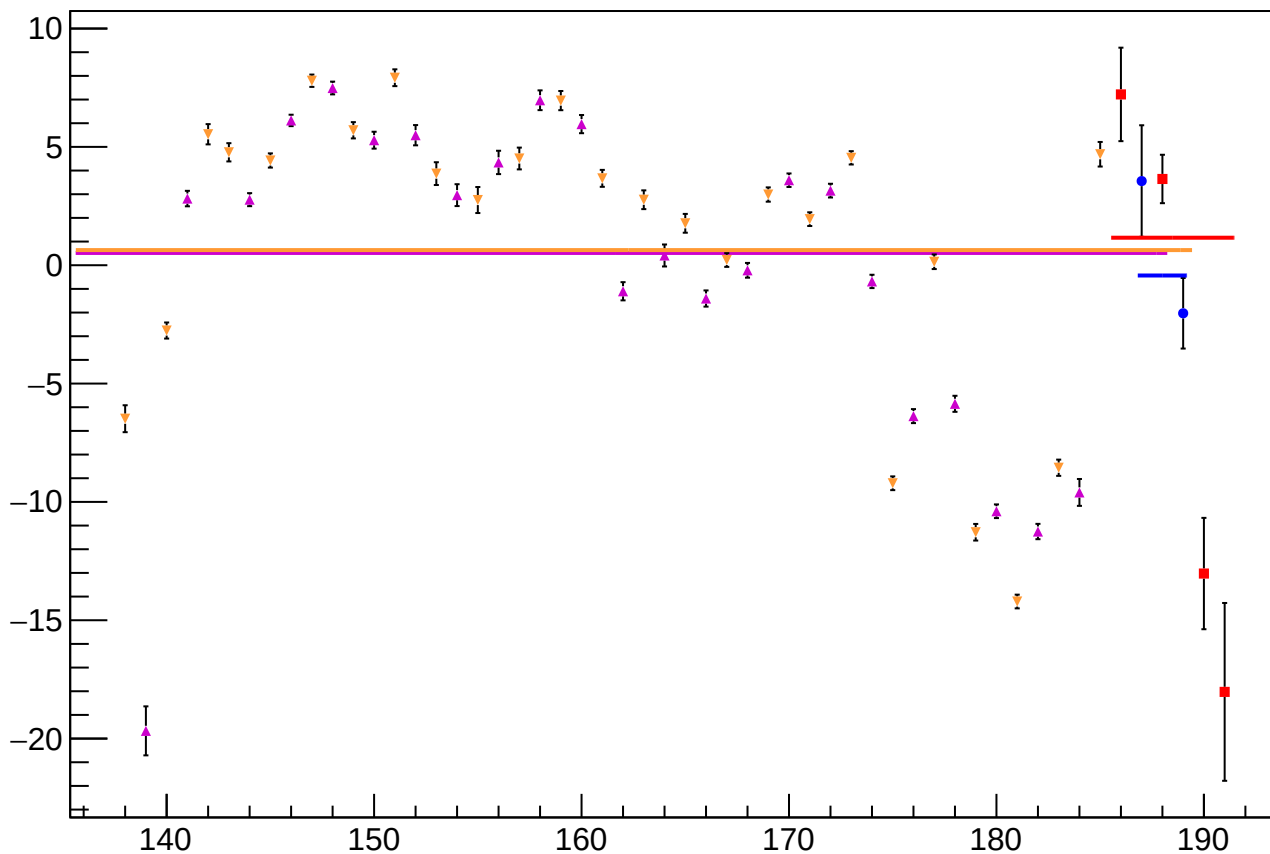
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.220 ± 0.991 χ^2/NDF : 14.7/1
 Left Out: 17.393 ± 0.087 χ^2/NDF : 16305.7/24
 Right Out: -3.448 ± 0.610 χ^2/NDF : 92.7/3
 Left In: 17.271 ± 0.088 χ^2/NDF : 12892.2/22

Left: 17.333 ± 0.062 χ^2/NDF : 29198.9/47
 Right: -3.111 ± 0.519 χ^2/NDF : 108.4/5
 In: 17.117 ± 0.088 χ^2/NDF : 13290.5/24
 Out: 16.975 ± 0.086 χ^2/NDF : 17544.0/28
 All: 17.044 ± 0.062 χ^2/NDF : 30835.8/53

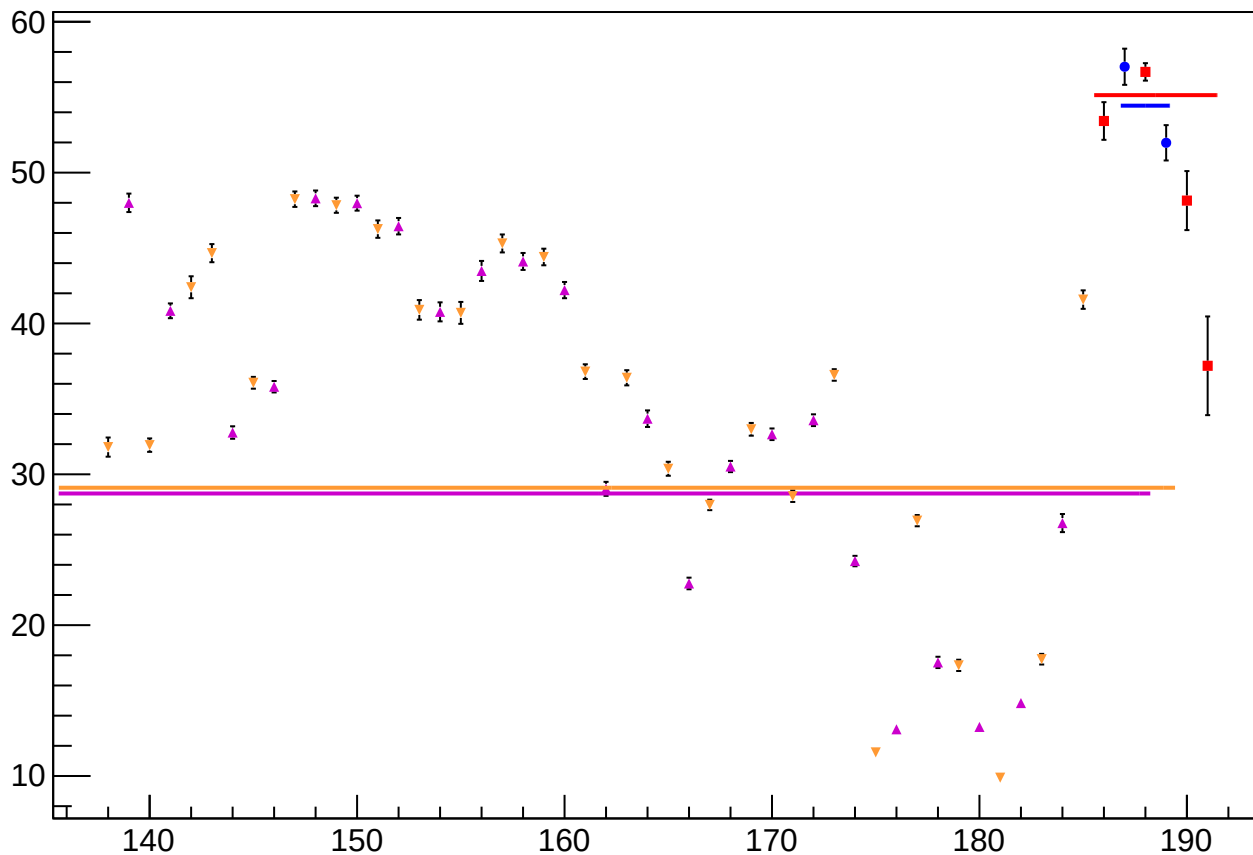
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.434 ± 1.260 χ^2/NDF : 4.0/1
 Left Out: 0.639 ± 0.070 χ^2/NDF : 8514.9/24
 Right Out: 1.162 ± 0.827 χ^2/NDF : 77.8/3
 Left In: 0.519 ± 0.071 χ^2/NDF : 6776.8/22

Left: 0.580 ± 0.050 χ^2/NDF : 15293.1/47
 Right: 0.682 ± 0.691 χ^2/NDF : 82.9/5
 In: 0.516 ± 0.070 χ^2/NDF : 6781.4/24
 Out: 0.643 ± 0.069 χ^2/NDF : 8593.0/28
 All: 0.581 ± 0.049 χ^2/NDF : 15376.1/53

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 54.439+/-0.838 χ^2/NDF : 9.0/1

Left Out: 29.110+/-0.088 χ^2/NDF :18845.8/24

Right Out: 55.137+/-0.501 χ^2/NDF : 51.8/3

Left In: 28.728+/-0.089 χ^2/NDF :17037.4/22

Left: 28.921+/-0.062 χ^2/NDF : 35892.6/47

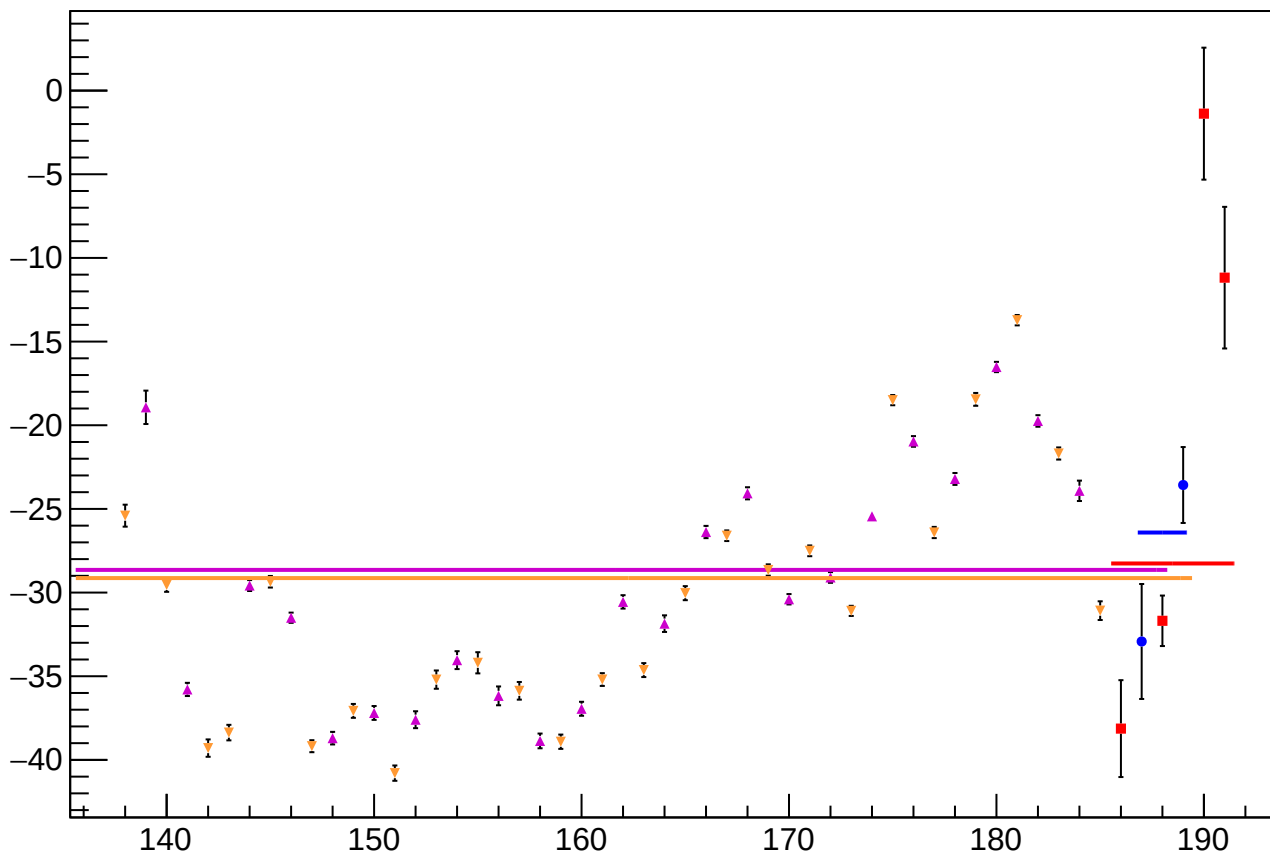
Right: 54.953+/-0.430 χ^2/NDF : 61.4/5

In: 29.014+/-0.088 χ^2/NDF :17977.7/24

Out: 29.887+/-0.087 χ^2/NDF :21515.9/28

All: 29.459+/-0.062 χ^2/NDF : 39543.6/53

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.412 $\pm$ 1.893 χ^2 /NDF: 5.2/1

Left Out: -29.134 $\pm$ 0.078 χ^2 /NDF:8998.0/24

Right Out: -28.261 $\pm$ 1.214 χ^2 /NDF: 79.5/3

Left In: -28.645 $\pm$ 0.080 χ^2 /NDF:6693.5/22

Left: -28.893 $\pm$ 0.056 χ^2 /NDF: 15710.7/47

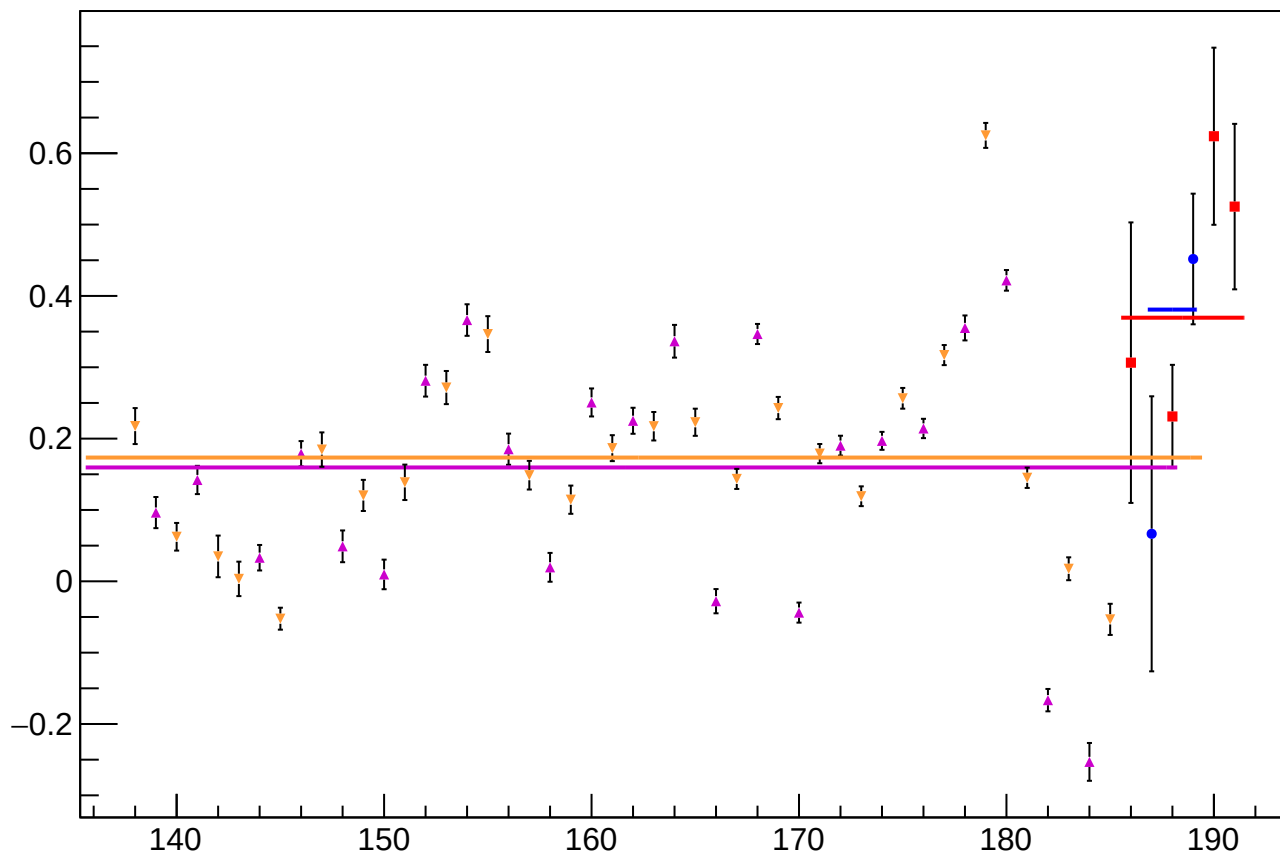
Right: -27.722 $\pm$ 1.022 χ^2 /NDF: 85.4/5

In: -28.641 $\pm$ 0.079 χ^2 /NDF:6700.0/24

Out: -29.130 $\pm$ 0.078 χ^2 /NDF:9078.1/28

All: -28.889 $\pm$ 0.056 χ^2 /NDF: 15797.4/53

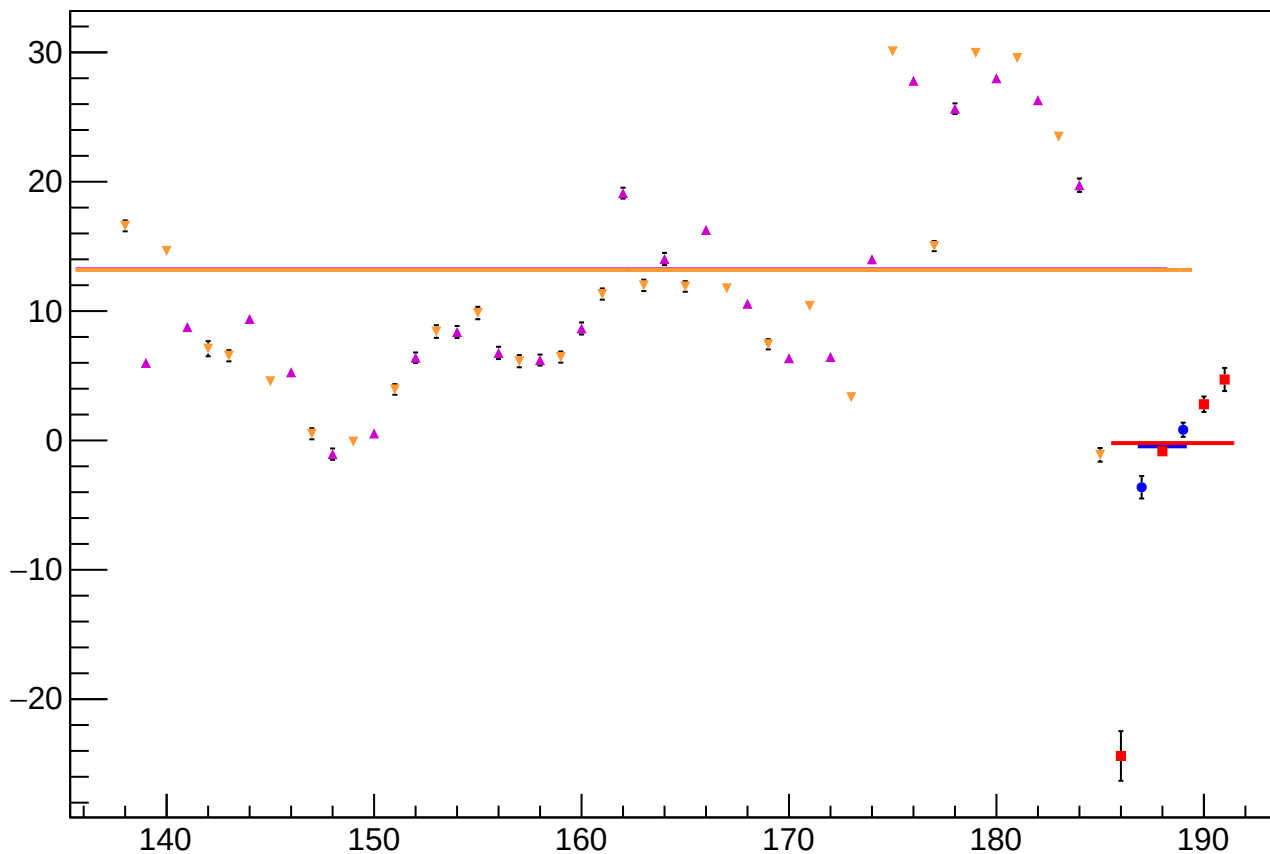
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.381 $\pm$ 0.083 χ^2 /NDF: 3.3/1
 Left Out: 0.173 $\pm$ 0.004 χ^2 /NDF:1468.8/24
 Right Out: 0.369 $\pm$ 0.053 χ^2 /NDF: 9.8/3
 Left In: 0.160 $\pm$ 0.004 χ^2 /NDF:2063.7/22

Left: 0.167 $\pm$ 0.003 χ^2 /NDF: 3539.9/47
 Right: 0.373 $\pm$ 0.045 χ^2 /NDF: 13.0/5
 In: 0.160 $\pm$ 0.004 χ^2 /NDF:2074.1/24
 Out: 0.174 $\pm$ 0.004 χ^2 /NDF:1492.2/28
 All: 0.167 $\pm$ 0.003 χ^2 /NDF: 3574.3/53

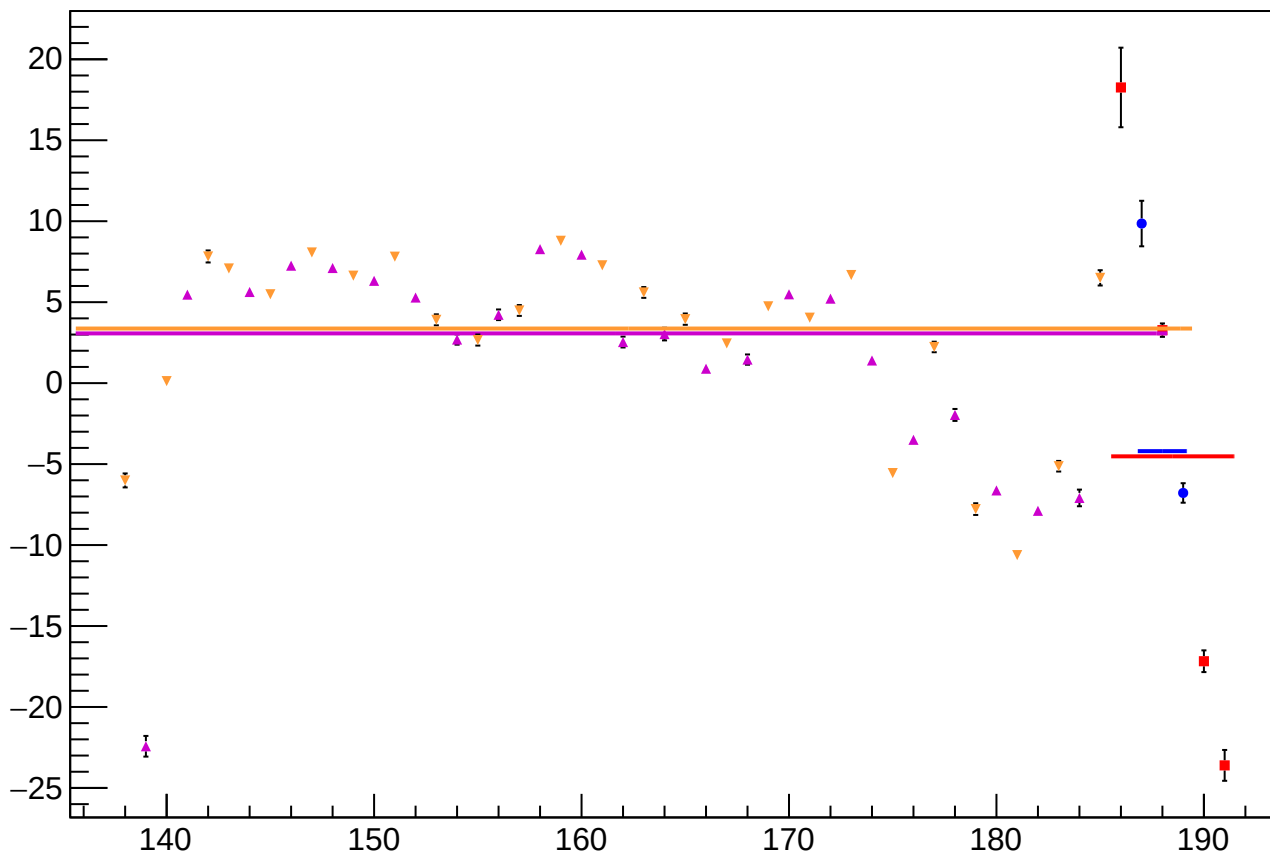
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.453 ± 0.465 $\chi^2/\text{NDF}: 18.7/1$
 Left Out: 13.181 ± 0.075 $\chi^2/\text{NDF}: 17039.3/24$
 Right Out: -0.203 ± 0.243 $\chi^2/\text{NDF}: 219.2/3$
 Left In: 13.228 ± 0.077 $\chi^2/\text{NDF}: 14126.1/22$

Left: 13.204 ± 0.054 $\chi^2/\text{NDF}: 31165.6/47$
 Right: -0.257 ± 0.216 $\chi^2/\text{NDF}: 238.1/5$
 In: 12.867 ± 0.076 $\chi^2/\text{NDF}: 14986.5/24$
 Out: 12.009 ± 0.072 $\chi^2/\text{NDF}: 20019.7/28$
 All: 12.417 ± 0.052 $\chi^2/\text{NDF}: 35073.7/53$

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.200+/-0.554 χ^2/NDF : 118.4/1

Left Out: 3.372+/-0.059 χ^2/NDF :8053.7/24

Right Out: -4.522+/-0.328 χ^2/NDF : 1197.1/3

Left In: 3.071+/-0.060 χ^2/NDF :7269.0/22

Left: 3.226+/-0.042 χ^2/NDF : 15335.5/47

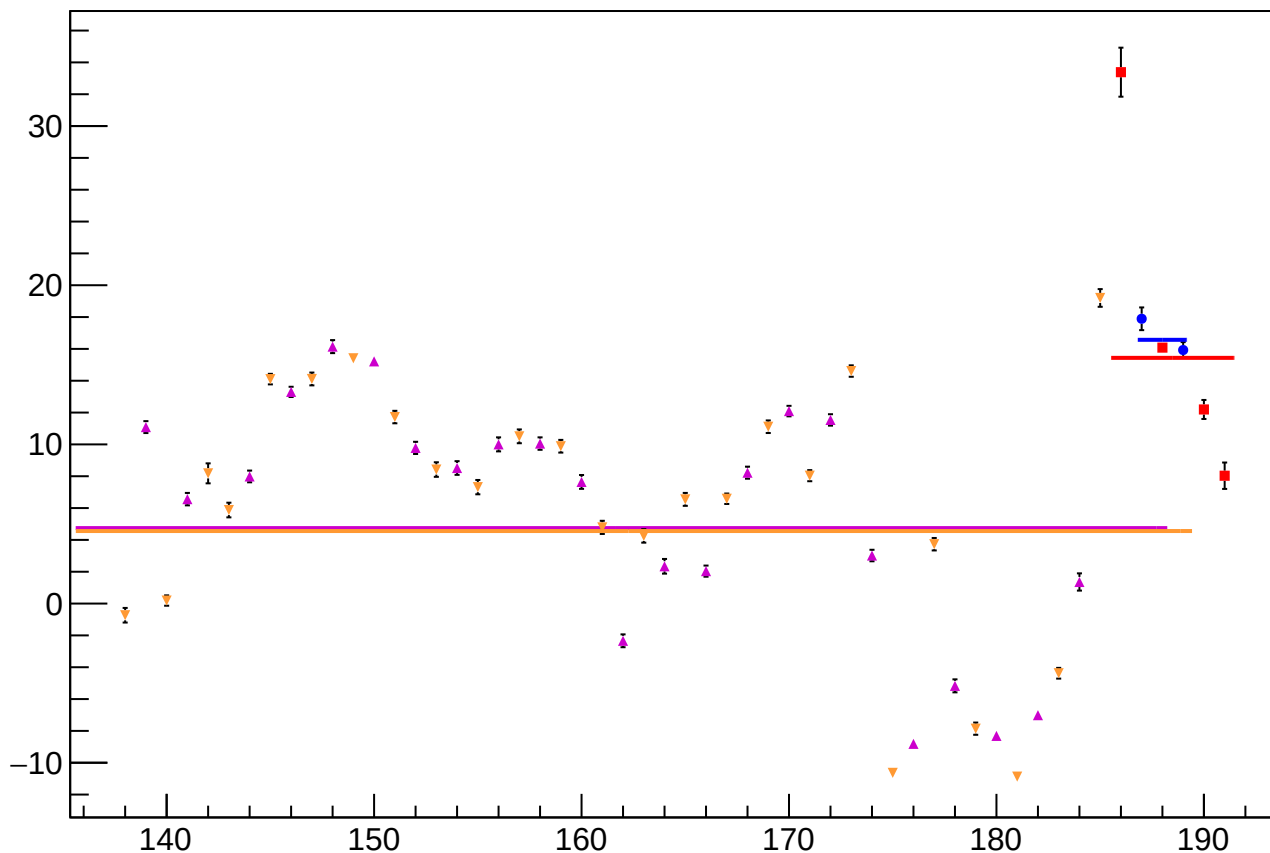
Right: -4.438+/-0.282 χ^2/NDF : 1315.7/5

In: 2.986+/-0.060 χ^2/NDF :7557.8/24

Out: 3.128+/-0.058 χ^2/NDF :9813.1/28

All: 3.060+/-0.042 χ^2/NDF : 17373.8/53

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 16.570 $\pm$ 0.408 χ^2 /NDF: 5.1/1

Left Out: 4.557 $\pm$ 0.076 χ^2 /NDF:13588.4/24

Right Out: 15.437 $\pm$ 0.205 χ^2 /NDF: 253.0/3

Left In: 4.741 $\pm$ 0.076 χ^2 /NDF:11418.2/22

Left: 4.648 $\pm$ 0.054 χ^2 /NDF: 25009.5/47

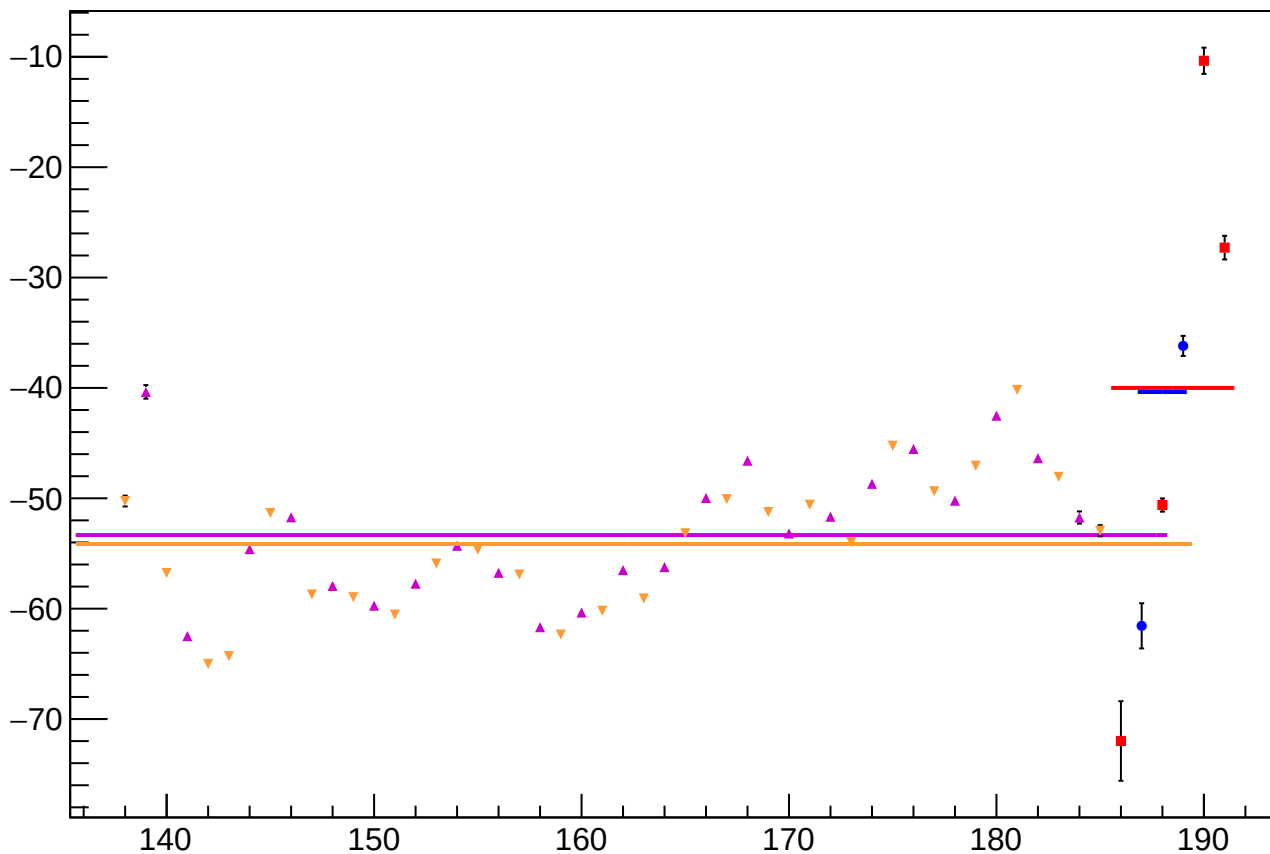
Right: 15.666 $\pm$ 0.183 χ^2 /NDF: 264.2/5

In: 5.143 $\pm$ 0.075 χ^2 /NDF:12236.3/24

Out: 5.858 $\pm$ 0.071 χ^2 /NDF:16322.0/28

All: 5.521 $\pm$ 0.052 χ^2 /NDF: 28606.3/53

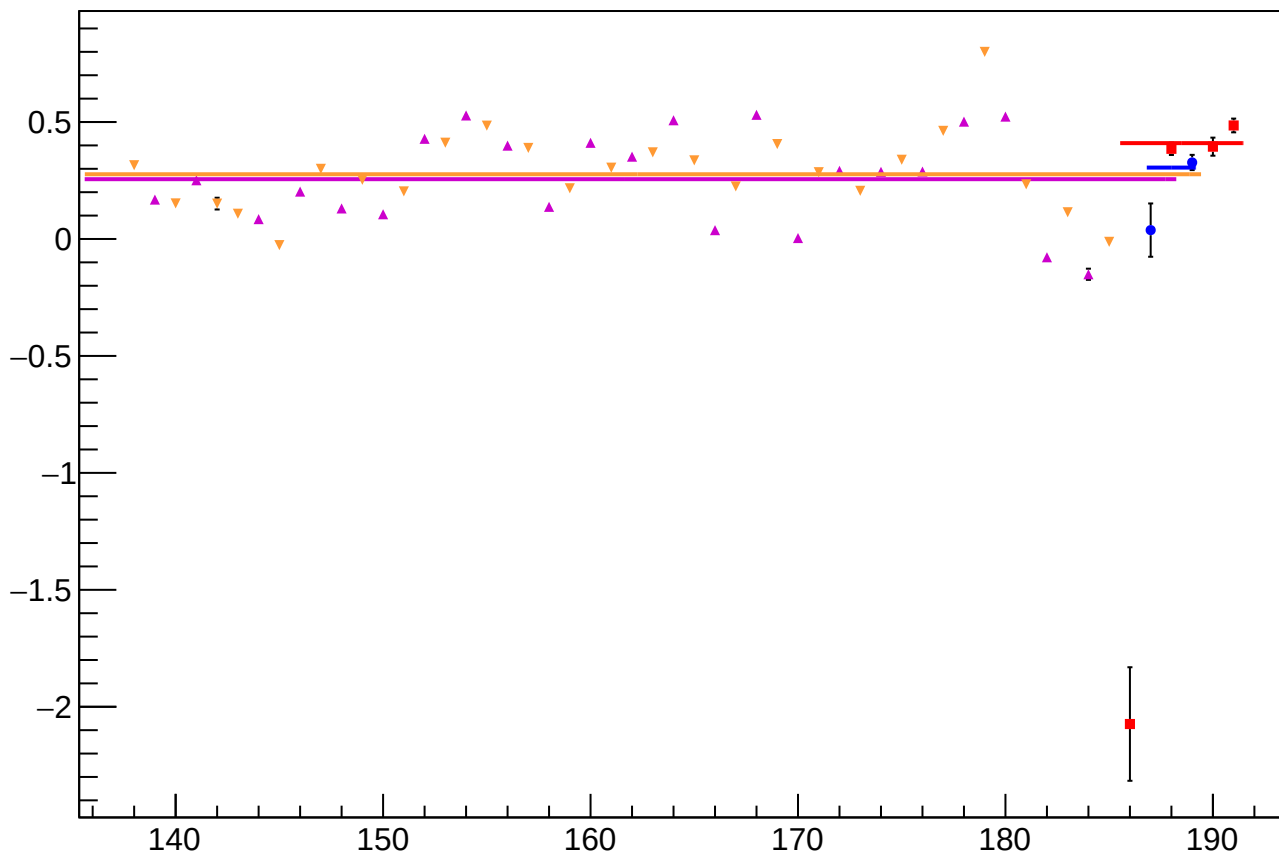
reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -40.372 ± 0.831 $\chi^2/\text{NDF}: 128.3/1$
 Left Out: -54.139 ± 0.067 $\chi^2/\text{NDF}: 8301.1/24$
 Right Out: -39.999 ± 0.474 $\chi^2/\text{NDF}: 1155.1/3$
 Left In: -53.330 ± 0.068 $\chi^2/\text{NDF}: 6940.2/22$

Left: -53.745 ± 0.048 $\chi^2/\text{NDF}: 15313.2/47$
 Right: -40.091 ± 0.412 $\chi^2/\text{NDF}: 1283.5/5$
 In: -53.244 ± 0.068 $\chi^2/\text{NDF}: 7310.1/24$
 Out: -53.866 ± 0.066 $\chi^2/\text{NDF}: 10327.1/28$
 All: -53.565 ± 0.047 $\chi^2/\text{NDF}: 17680.4/53$

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.305 $\pm$ 0.031 χ^2 /NDF: 6.0/1

Left Out: 0.277 $\pm$ 0.003 χ^2 /NDF:2606.0/24

Right Out: 0.410 $\pm$ 0.017 χ^2 /NDF: 112.3/3

Left In: 0.256 $\pm$ 0.003 χ^2 /NDF:3644.0/22

Left: 0.266 $\pm$ 0.002 χ^2 /NDF: 6273.6/47

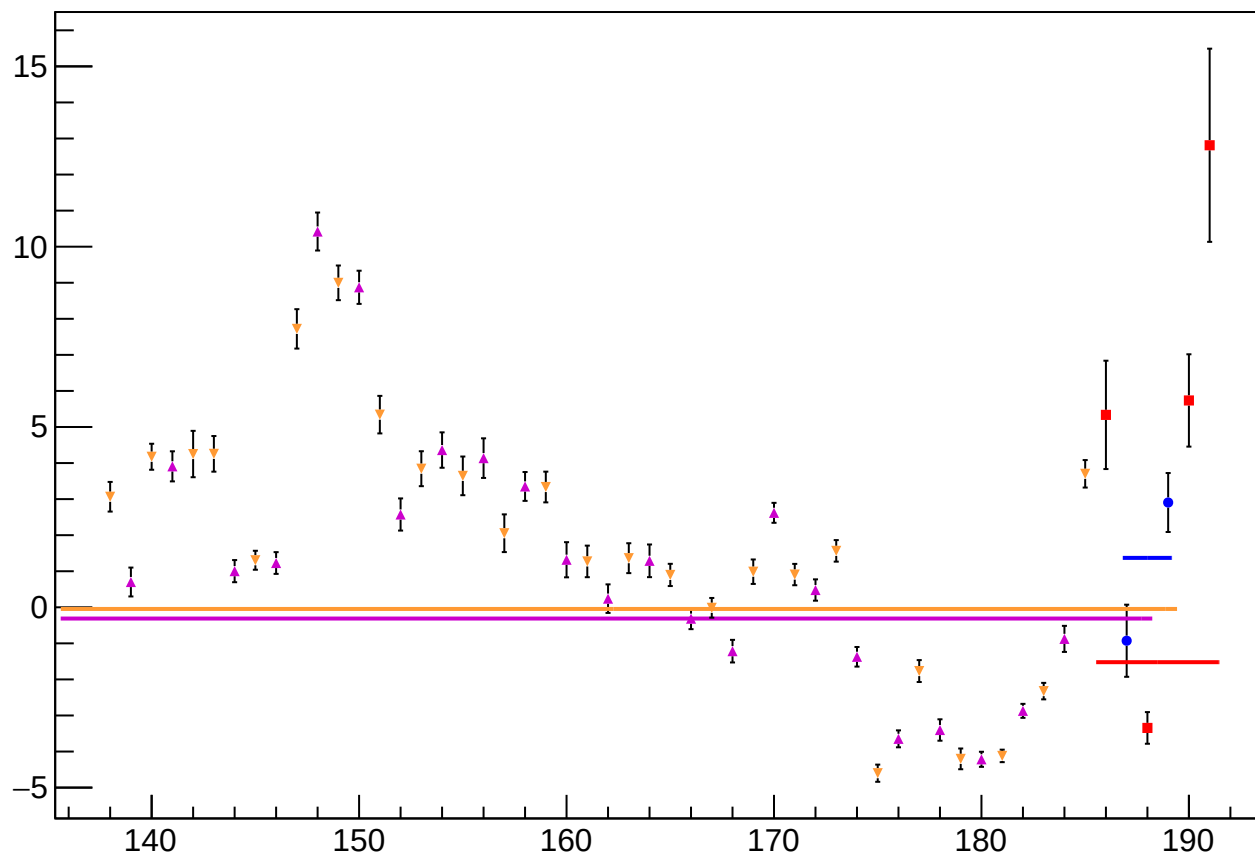
Right: 0.385 $\pm$ 0.015 χ^2 /NDF: 126.7/5

In: 0.256 $\pm$ 0.003 χ^2 /NDF:3652.4/24

Out: 0.281 $\pm$ 0.003 χ^2 /NDF:2774.7/28

All: 0.269 $\pm$ 0.002 χ^2 /NDF: 6459.8/53

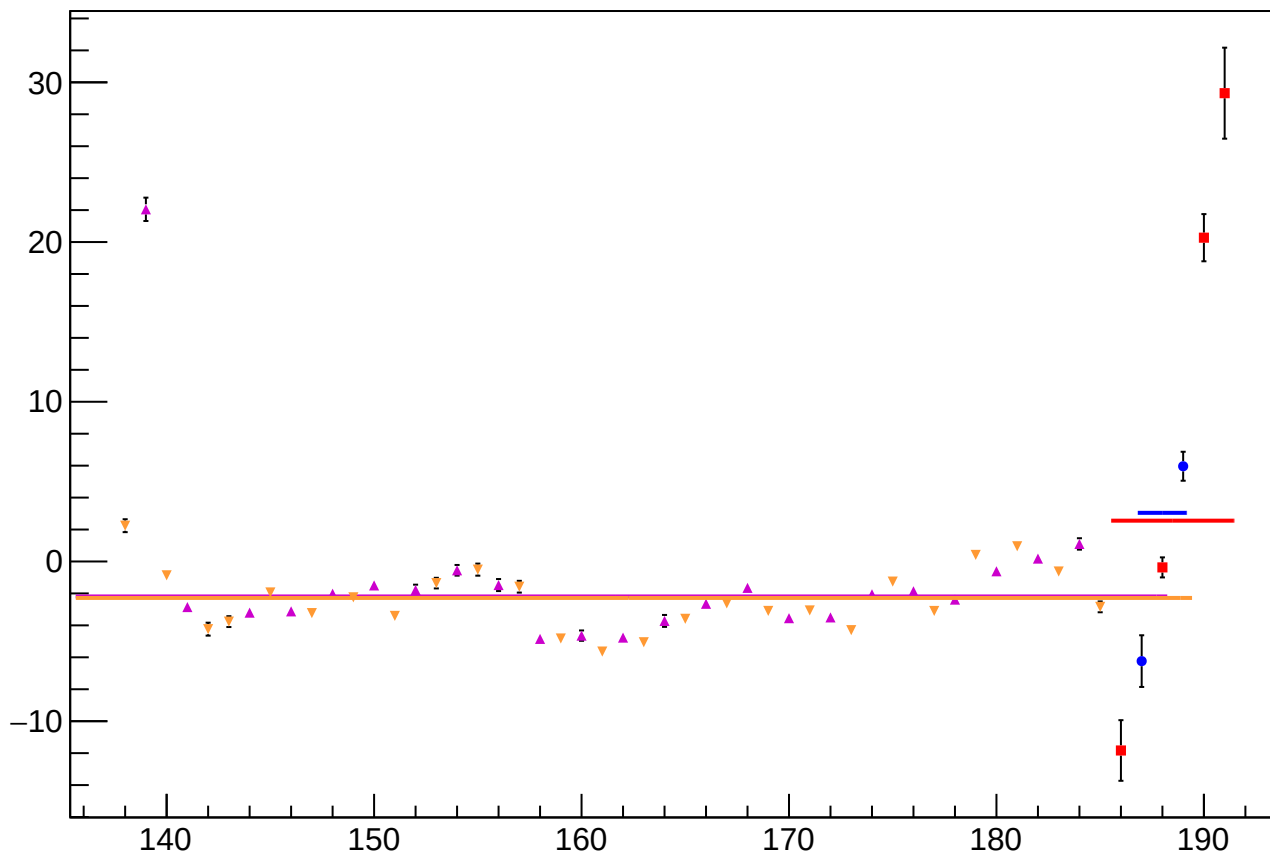
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



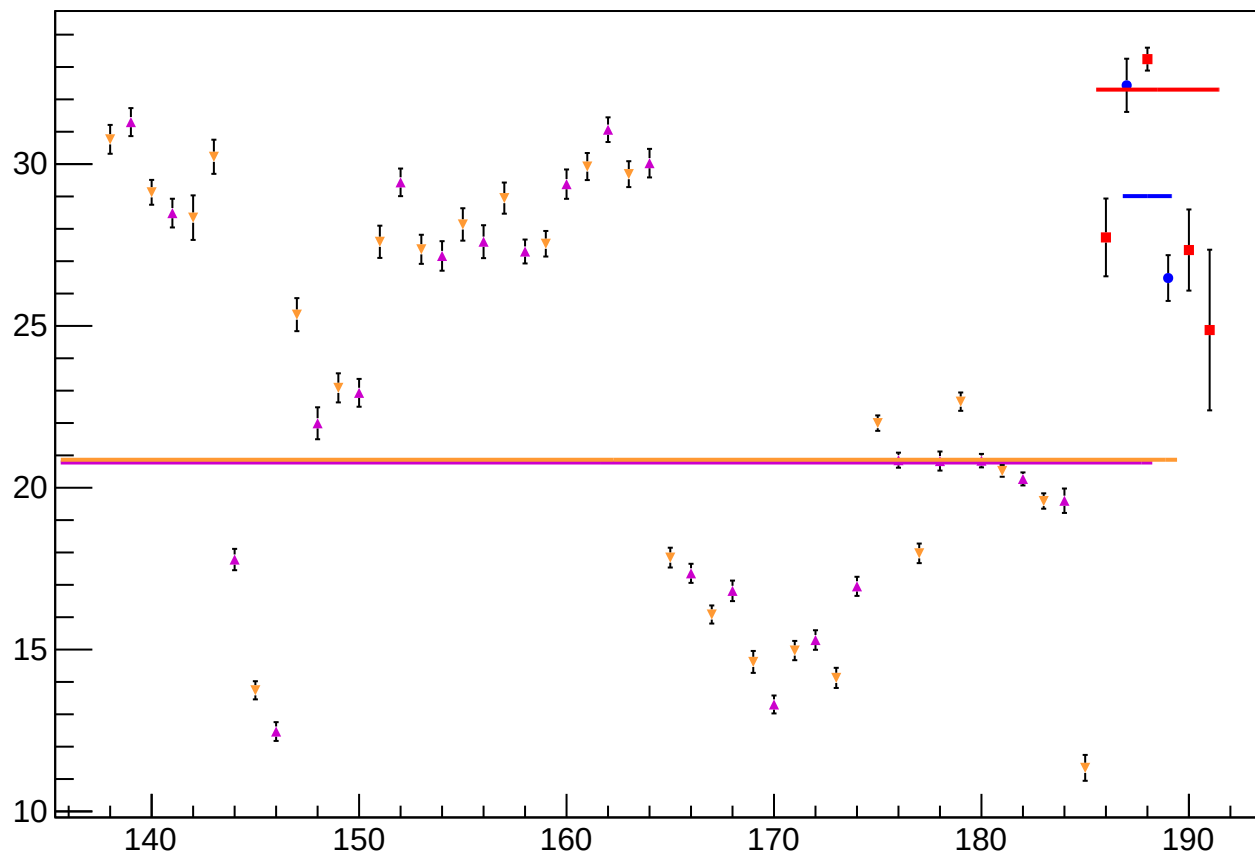
Right In: 1.370 ± 0.633 $\chi^2/\text{NDF}: 8.8/1$
 Left Out: -0.046 ± 0.066 $\chi^2/\text{NDF}: 2628.9/24$
 Right Out: -1.522 ± 0.396 $\chi^2/\text{NDF}: 98.9/3$
 Left In: -0.312 ± 0.067 $\chi^2/\text{NDF}: 2252.6/22$

Left: -0.177 ± 0.047 $\chi^2/\text{NDF}: 4889.5/47$
 Right: -0.709 ± 0.336 $\chi^2/\text{NDF}: 122.7/5$
 In: -0.293 ± 0.067 $\chi^2/\text{NDF}: 2268.4/24$
 Out: -0.086 ± 0.065 $\chi^2/\text{NDF}: 2741.3/28$
 All: -0.187 ± 0.047 $\chi^2/\text{NDF}: 5014.7/53$

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



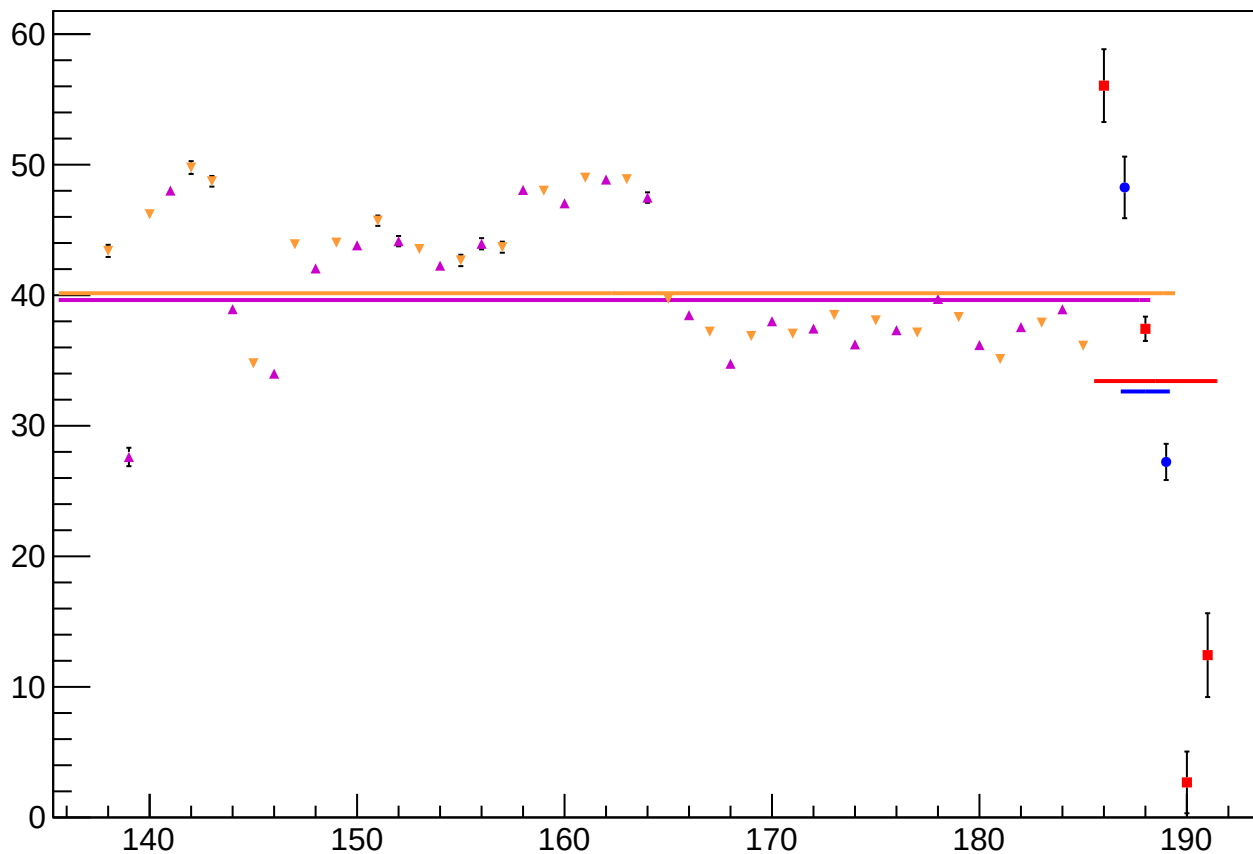
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.011 $\pm$ 0.536 χ^2 /NDF: 30.2/1
 Left Out: 20.865 $\pm$ 0.067 χ^2 /NDF:6608.4/24
 Right Out: 32.301 $\pm$ 0.325 χ^2 /NDF: 46.1/3
 Left In: 20.780 $\pm$ 0.067 χ^2 /NDF:5988.0/22

Left: 20.823 $\pm$ 0.047 χ^2 /NDF: 12597.2/47
 Right: 31.417 $\pm$ 0.278 χ^2 /NDF: 103.8/5
 In: 20.907 $\pm$ 0.067 χ^2 /NDF:6250.3/24
 Out: 21.328 $\pm$ 0.065 χ^2 /NDF:7843.2/28
 All: 21.122 $\pm$ 0.047 χ^2 /NDF: 14113.9/53

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 32.628 $\pm$ 1.195 χ^2 /NDF: 59.1/1

Left Out: 40.154 $\pm$ 0.060 χ^2 /NDF: 5861.6/24

Right Out: 33.426 $\pm$ 0.800 χ^2 /NDF: 296.2/3

Left In: 39.632 $\pm$ 0.061 χ^2 /NDF: 5343.3/22

Left: 39.896 $\pm$ 0.043 χ^2 /NDF: 11241.6/47

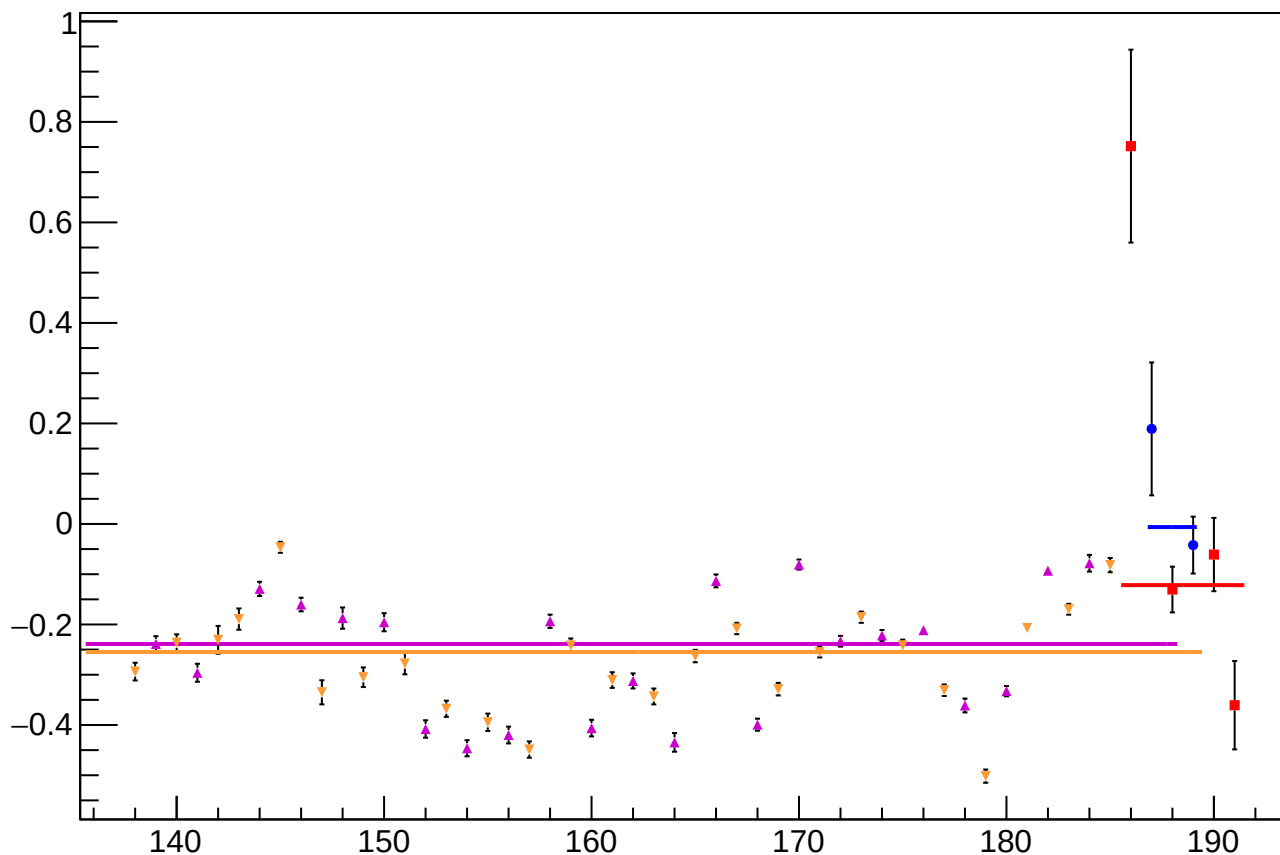
Right: 33.179 $\pm$ 0.665 χ^2 /NDF: 355.6/5

In: 39.614 $\pm$ 0.061 χ^2 /NDF: 5436.7/24

Out: 40.116 $\pm$ 0.060 χ^2 /NDF: 6228.0/28

All: 39.868 $\pm$ 0.043 χ^2 /NDF: 11698.9/53

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.052 χ^2/NDF : 2.6/1

Left Out: -0.255 ± 0.003 χ^2/NDF : 1417.7/24

Right Out: -0.122 ± 0.035 χ^2/NDF : 28.8/3

Left In: -0.239 ± 0.003 χ^2/NDF : 1750.0/22

Left: -0.247 ± 0.002 χ^2/NDF : 3184.5/47

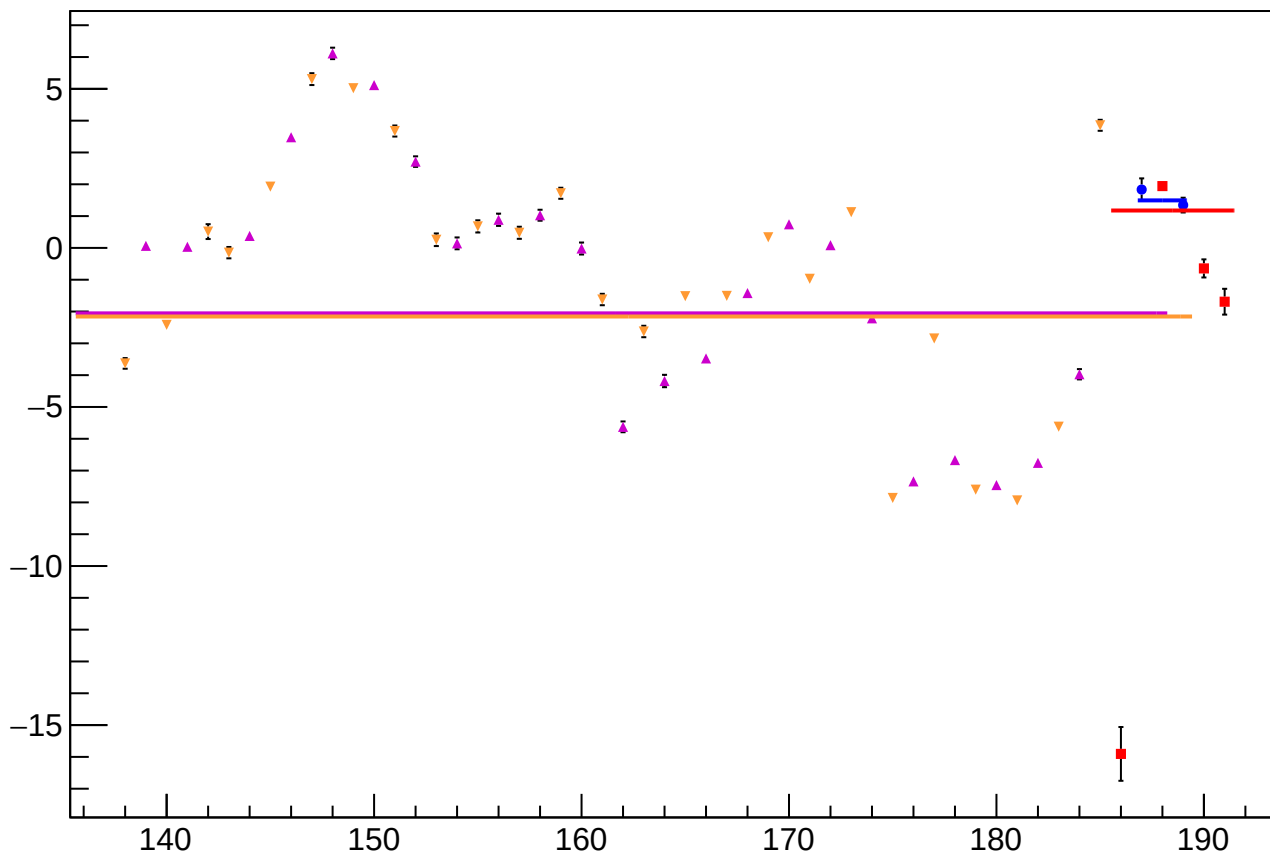
Right: -0.086 ± 0.029 χ^2/NDF : 34.8/5

In: -0.238 ± 0.003 χ^2/NDF : 1772.5/24

Out: -0.254 ± 0.003 χ^2/NDF : 1461.1/28

All: -0.246 ± 0.002 χ^2/NDF : 3250.1/53

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.494+/-0.194 χ^2/NDF : 1.3/1
 Left Out: -2.156+/-0.026 χ^2/NDF : 24501.3/24
 Right Out: 1.176+/-0.099 χ^2/NDF : 548.2/3
 Left In: -2.058+/-0.026 χ^2/NDF : 23343.8/22

Left: -2.107+/-0.018 χ^2/NDF : 47852.3/47

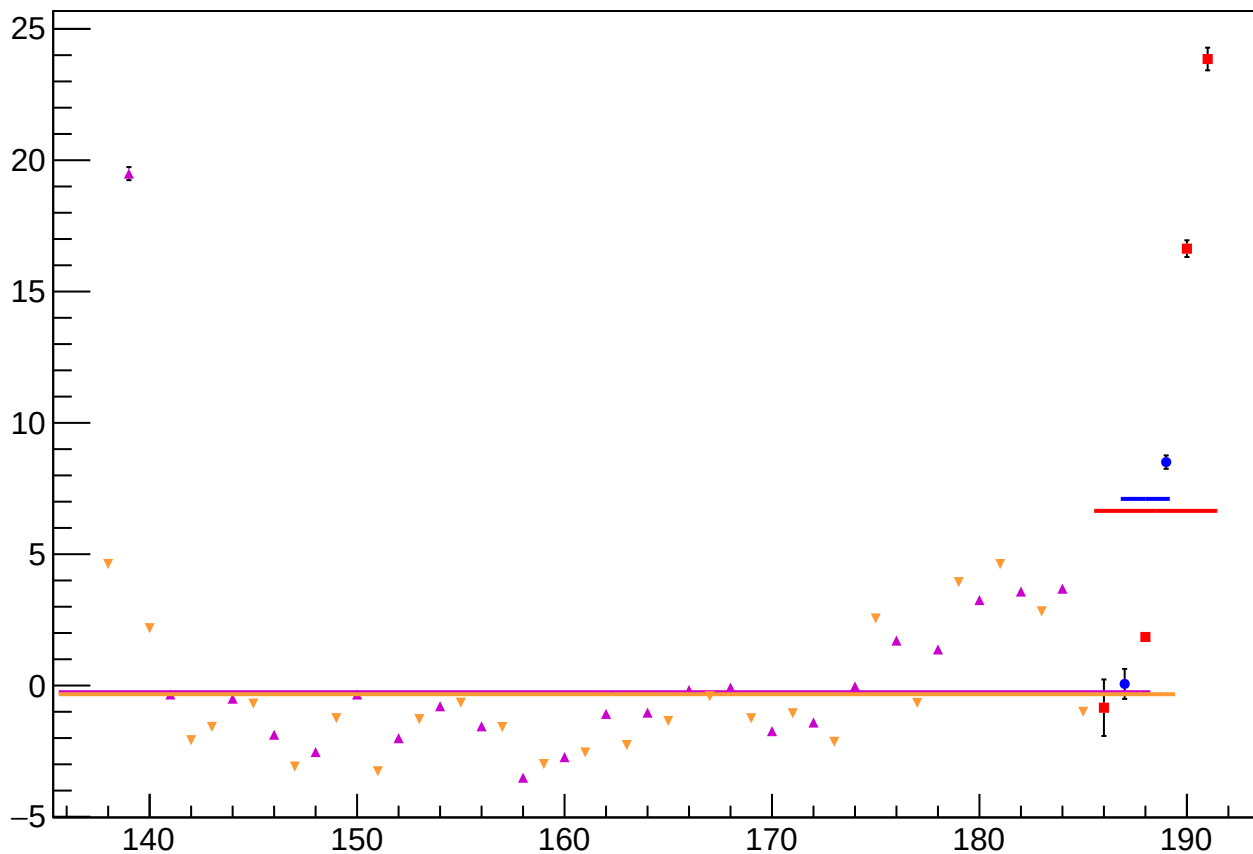
Right: 1.241+/-0.088 χ^2/NDF : 551.6/5

In: -1.995+/-0.026 χ^2/NDF : 23675.3/24

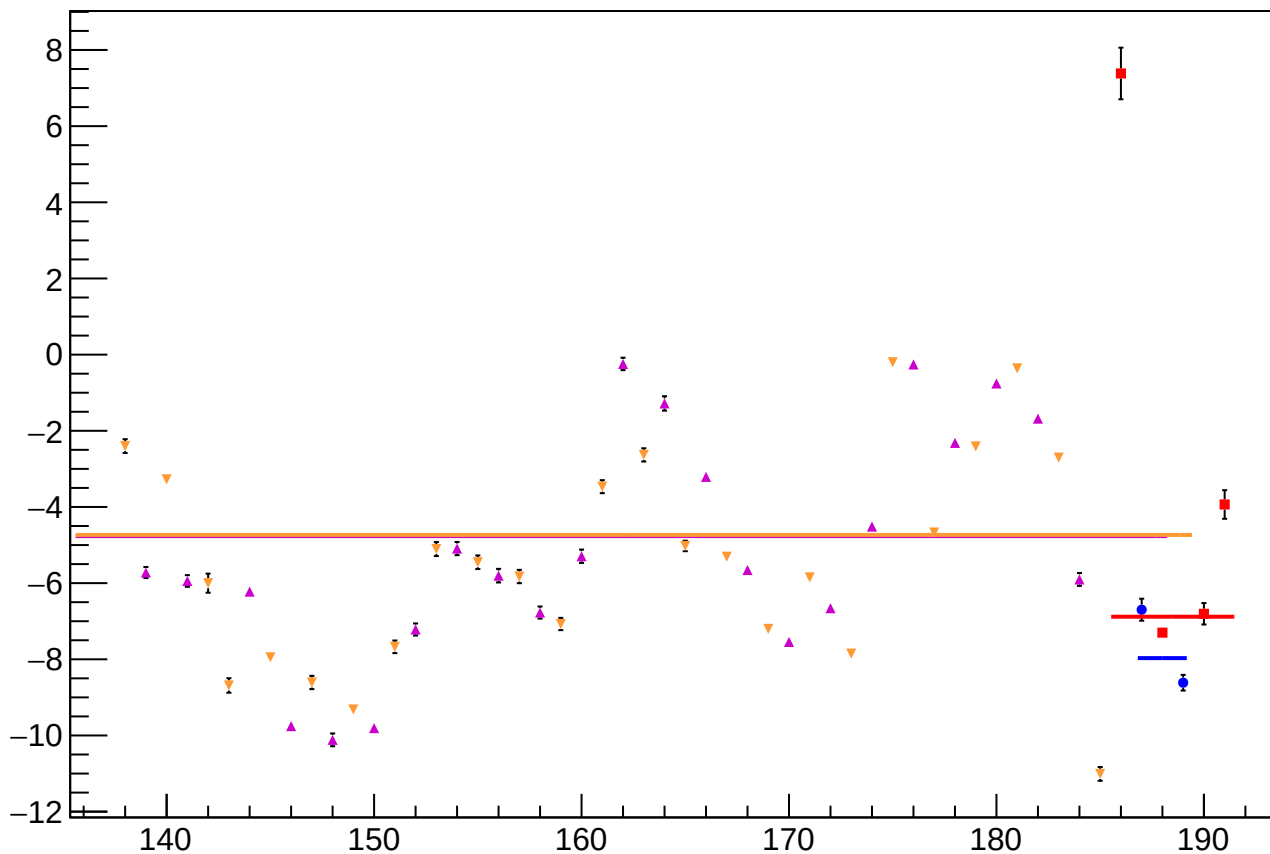
Out: -1.945+/-0.025 χ^2/NDF : 26119.9/28

All: -1.969+/-0.018 χ^2/NDF : 49797.3/53

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



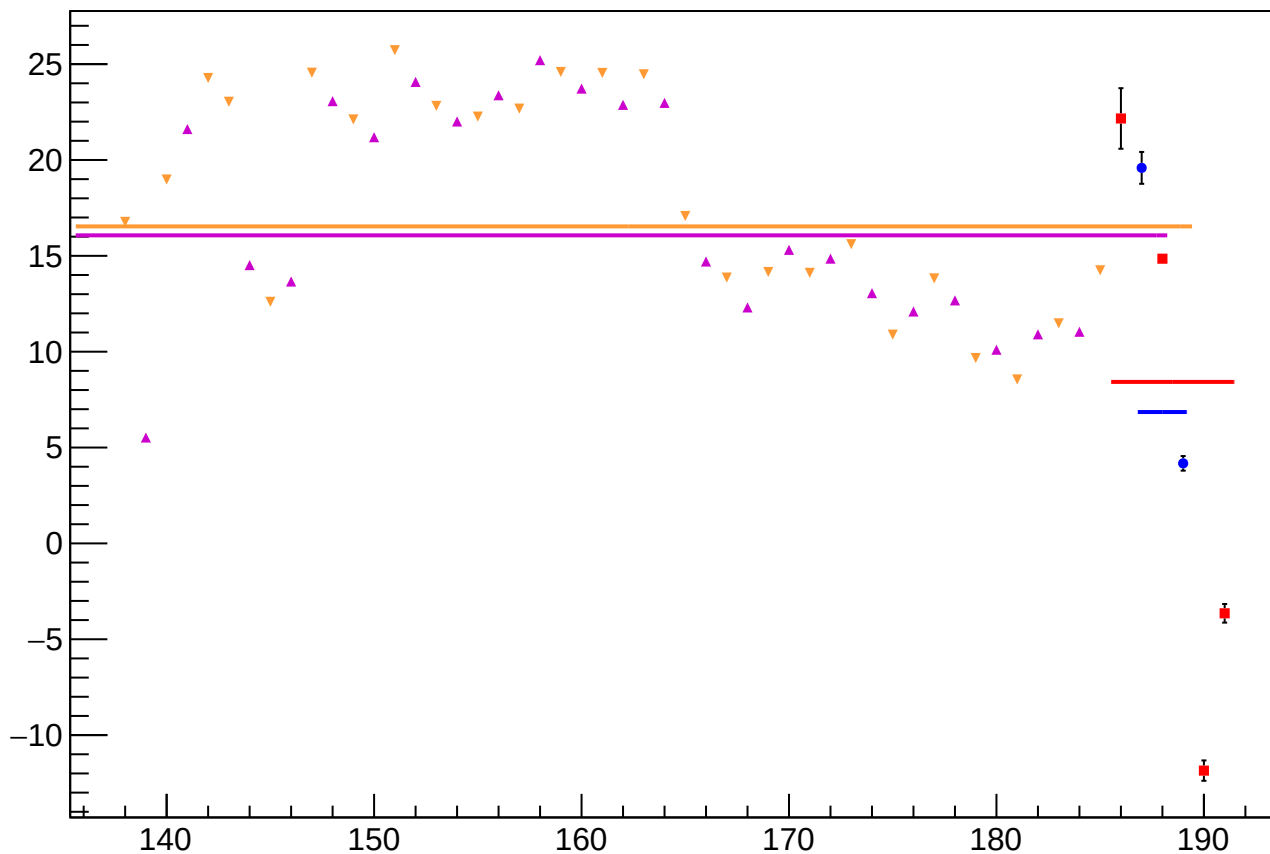
Right In: -7.968 ± 0.168 $\chi^2/\text{NDF}: 29.1/1$
 Left Out: -4.734 ± 0.026 $\chi^2/\text{NDF}: 13188.7/24$
 Right Out: -6.881 ± 0.082 $\chi^2/\text{NDF}: 527.3/3$
 Left In: -4.764 ± 0.026 $\chi^2/\text{NDF}: 14163.2/22$

Left: -4.749 ± 0.018 $\chi^2/\text{NDF}: 27352.6/47$
 Right: -7.091 ± 0.074 $\chi^2/\text{NDF}: 590.2/5$

In: -4.839 ± 0.026 $\chi^2/\text{NDF}: 14547.7/24$
 Out: -4.928 ± 0.025 $\chi^2/\text{NDF}: 14338.3/28$

All: -4.885 ± 0.018 $\chi^2/\text{NDF}: 28892.2/53$

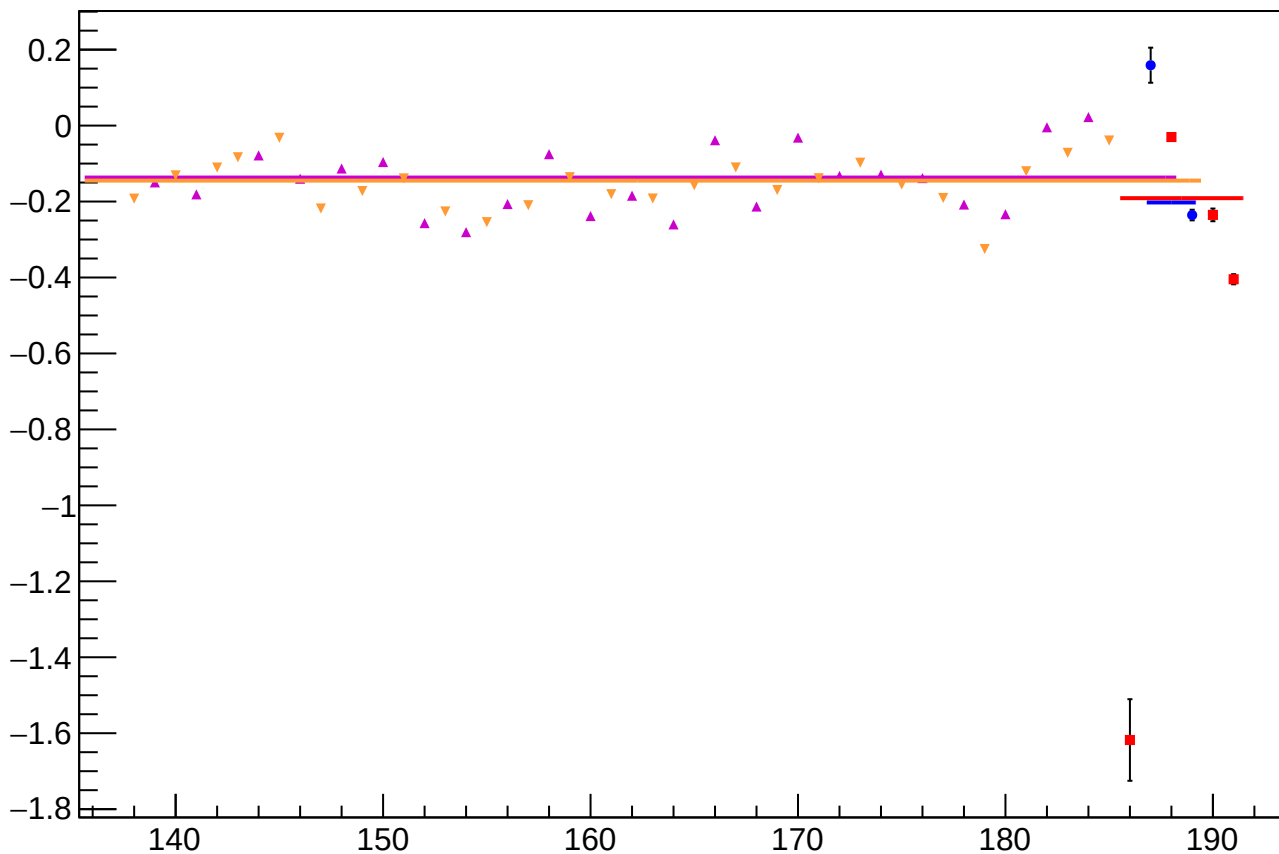
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.852 ± 0.346 $\chi^2/\text{NDF}: 284.1/1$
 Left Out: 16.536 ± 0.023 $\chi^2/\text{NDF}: 53546.9/24$
 Right Out: 8.424 ± 0.194 $\chi^2/\text{NDF}: 2903.6/3$
 Left In: 16.069 ± 0.023 $\chi^2/\text{NDF}: 42736.3/22$

Left: 16.306 ± 0.016 $\chi^2/\text{NDF}: 96483.6/47$
 Right: 8.047 ± 0.170 $\chi^2/\text{NDF}: 3203.4/5$
 In: 16.027 ± 0.023 $\chi^2/\text{NDF}: 43725.1/24$
 Out: 16.422 ± 0.023 $\chi^2/\text{NDF}: 58166.6/28$
 All: 16.228 ± 0.016 $\chi^2/\text{NDF}: 102036.8/53$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.202 ± 0.013 χ^2/NDF : 66.9/1

Left Out: -0.145 ± 0.001 χ^2/NDF : 3755.1/24

Right Out: -0.191 ± 0.007 χ^2/NDF : 678.5/3

Left In: -0.137 ± 0.001 χ^2/NDF : 5383.4/22

Left: -0.141 ± 0.001 χ^2/NDF : 9167.1/47

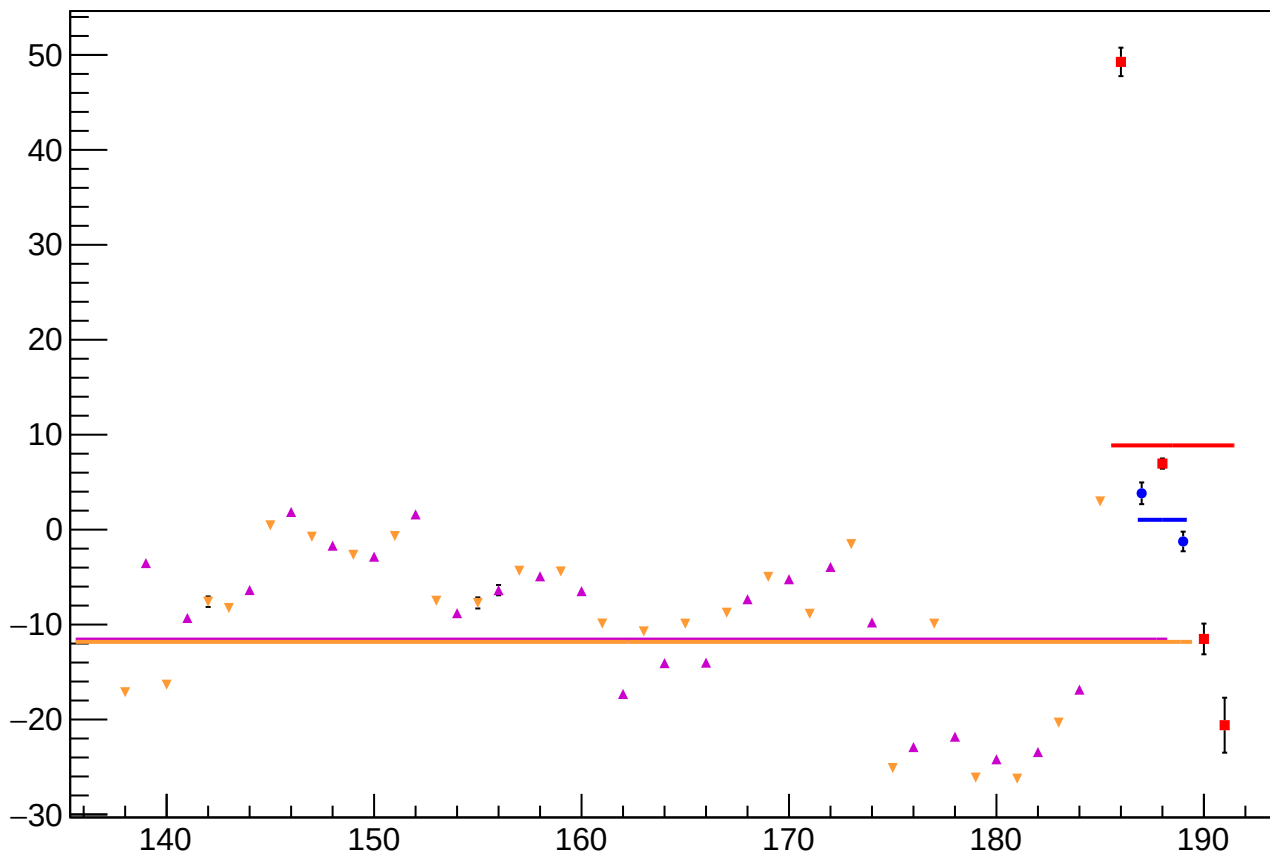
Right: -0.194 ± 0.006 χ^2/NDF : 746.0/5

In: -0.137 ± 0.001 χ^2/NDF : 5474.2/24

Out: -0.146 ± 0.001 χ^2/NDF : 4472.4/28

All: -0.142 ± 0.001 χ^2/NDF : 9979.5/53

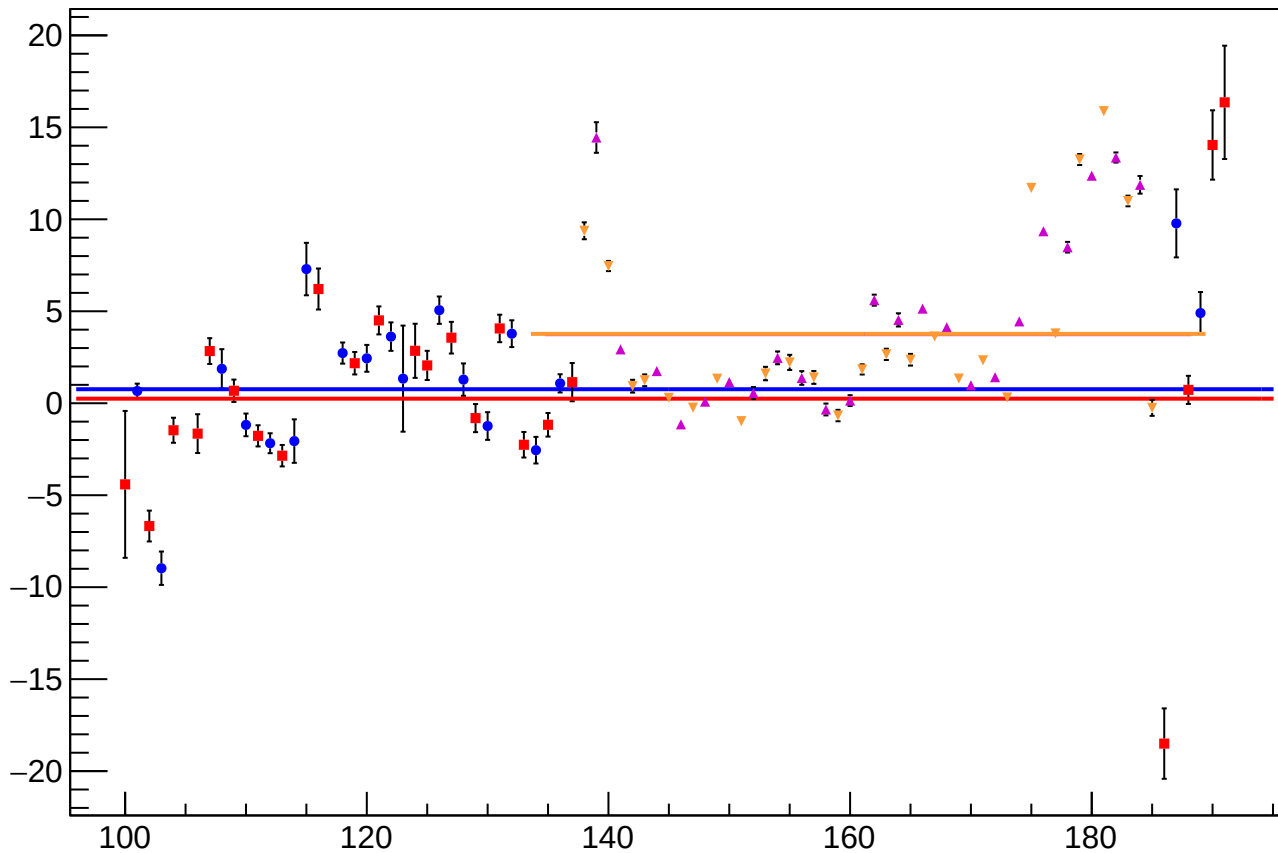
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.036+/-0.766 χ^2/NDF : 10.8/1
 Left Out: -11.823+/-0.070 χ^2/NDF : 17277.3/24
 Right Out: 8.872+/-0.476 χ^2/NDF : 1000.8/3
 Left In: -11.580+/-0.071 χ^2/NDF : 14243.6/22

Left: -11.703+/-0.050 χ^2/NDF : 31526.7/47
 Right: 6.691+/-0.404 χ^2/NDF : 1087.1/5
 In: -11.472+/-0.071 χ^2/NDF : 14523.2/24
 Out: -11.379+/-0.070 χ^2/NDF : 20128.6/28
 All: -11.425+/-0.050 χ^2/NDF : 34652.7/53

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.762 ± 0.166 $\chi^2/\text{NDF}: 329.1/18$

Left Out: 3.770 ± 0.056 $\chi^2/\text{NDF}: 7420.4/24$

Right Out: 0.248 ± 0.169 $\chi^2/\text{NDF}: 450.8/22$

Left In: 3.755 ± 0.056 $\chi^2/\text{NDF}: 5655.2/22$

Left: 3.763 ± 0.040 $\chi^2/\text{NDF}: 13075.6/47$

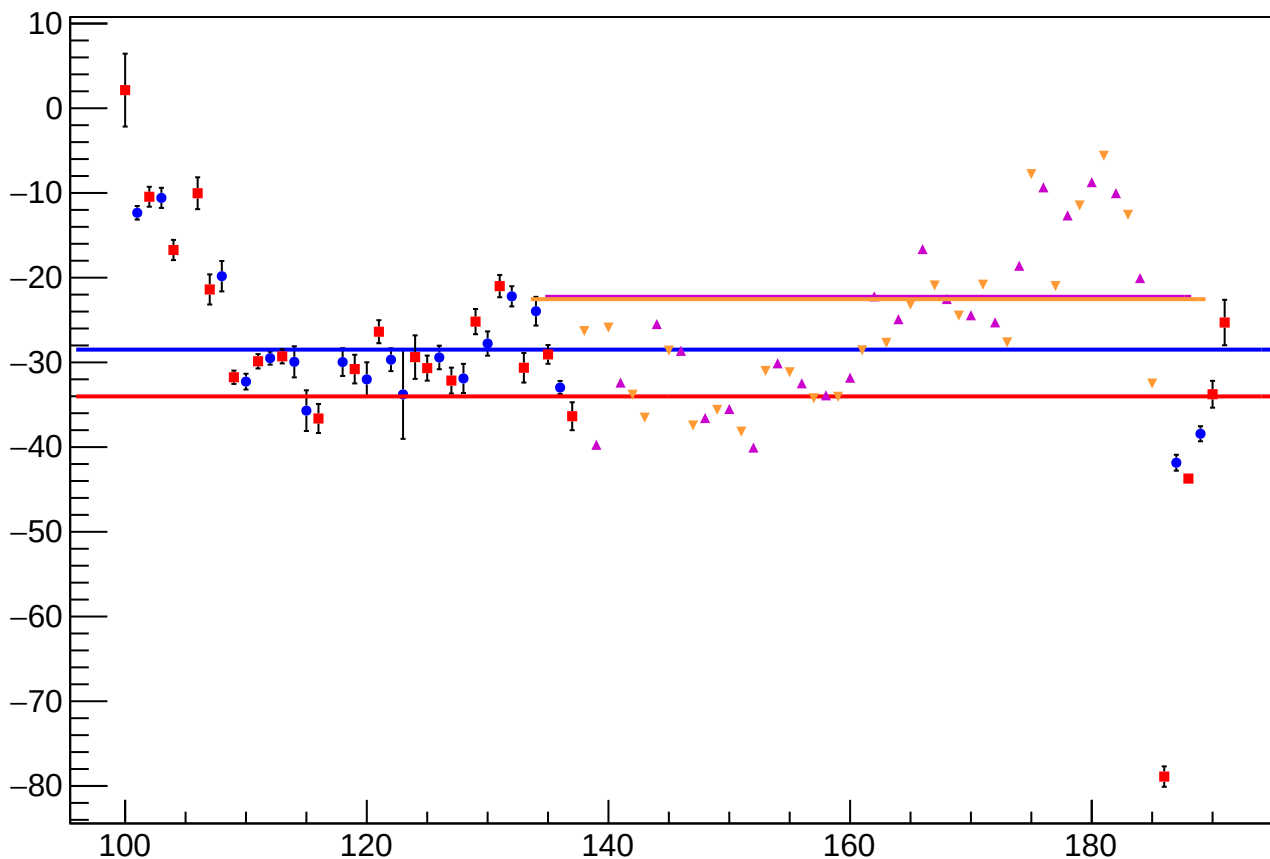
Right: 0.509 ± 0.118 $\chi^2/\text{NDF}: 784.5/41$

In: 3.447 ± 0.053 $\chi^2/\text{NDF}: 6274.2/41$

Out: 3.425 ± 0.053 $\chi^2/\text{NDF}: 8264.4/47$

All: 3.436 ± 0.038 $\chi^2/\text{NDF}: 14538.7/89$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -28.493 ± 0.272 $\chi^2/\text{NDF}: 1087.9/18$

Left Out: -22.540 ± 0.071 $\chi^2/\text{NDF}: 19751.6/24$

Right Out: -34.016 ± 0.237 $\chi^2/\text{NDF}: 3063.0/22$

Left In: -22.258 ± 0.071 $\chi^2/\text{NDF}: 17838.4/22$

Left: -22.400 ± 0.050 $\chi^2/\text{NDF}: 37597.8/47$

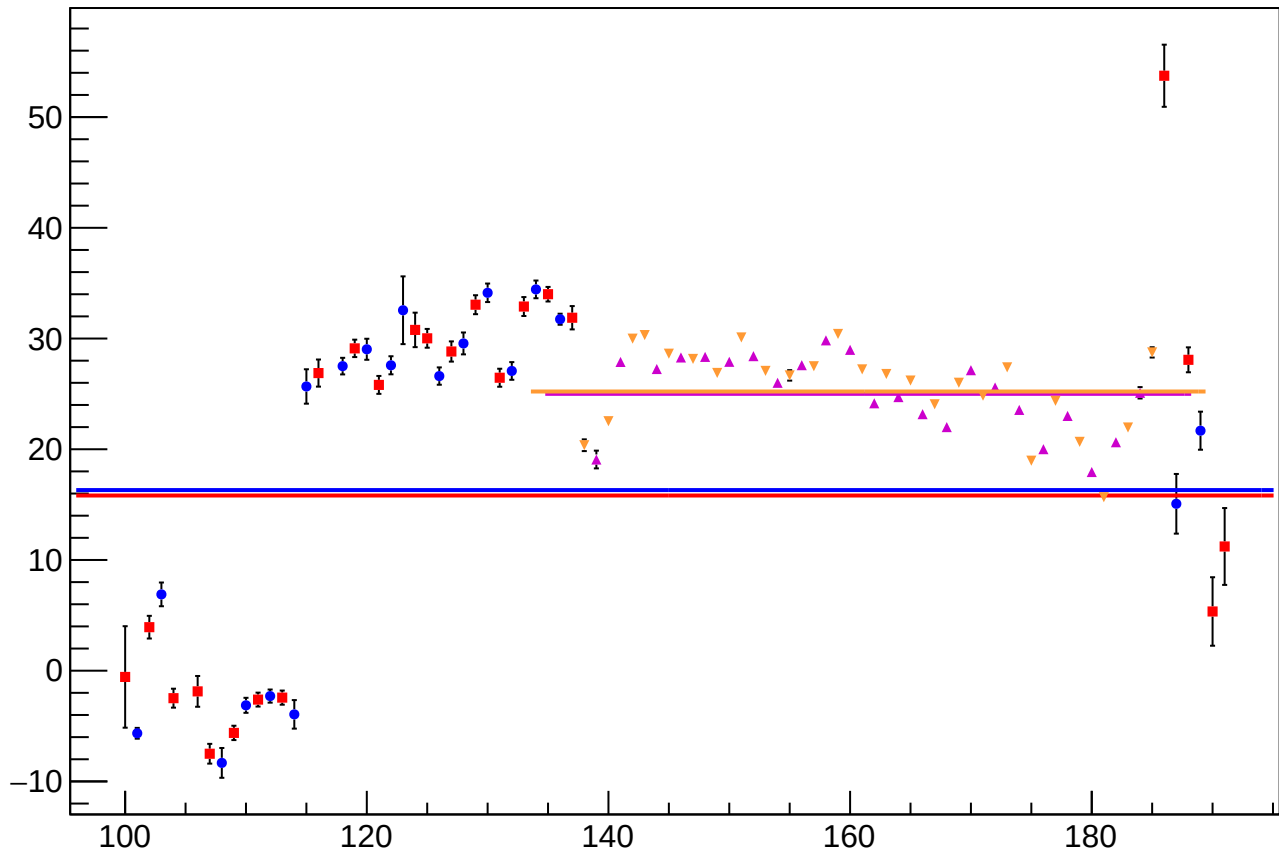
Right: -31.634 ± 0.178 $\chi^2/\text{NDF}: 4385.7/41$

In: -22.660 ± 0.069 $\chi^2/\text{NDF}: 19418.6/41$

Out: -23.482 ± 0.068 $\chi^2/\text{NDF}: 24972.3/47$

All: -23.078 ± 0.048 $\chi^2/\text{NDF}: 44463.3/89$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.313 $\pm$ 0.189 χ^2 /NDF: 7621.4/18

Left Out: 25.216 $\pm$ 0.063 χ^2 /NDF:3738.3/24

Right Out: 15.823 $\pm$ 0.193 χ^2 /NDF: 7600.9/22

Left In: 25.005 $\pm$ 0.064 χ^2 /NDF:2733.7/22

Left: 25.112 $\pm$ 0.045 χ^2 /NDF: 6477.5/47

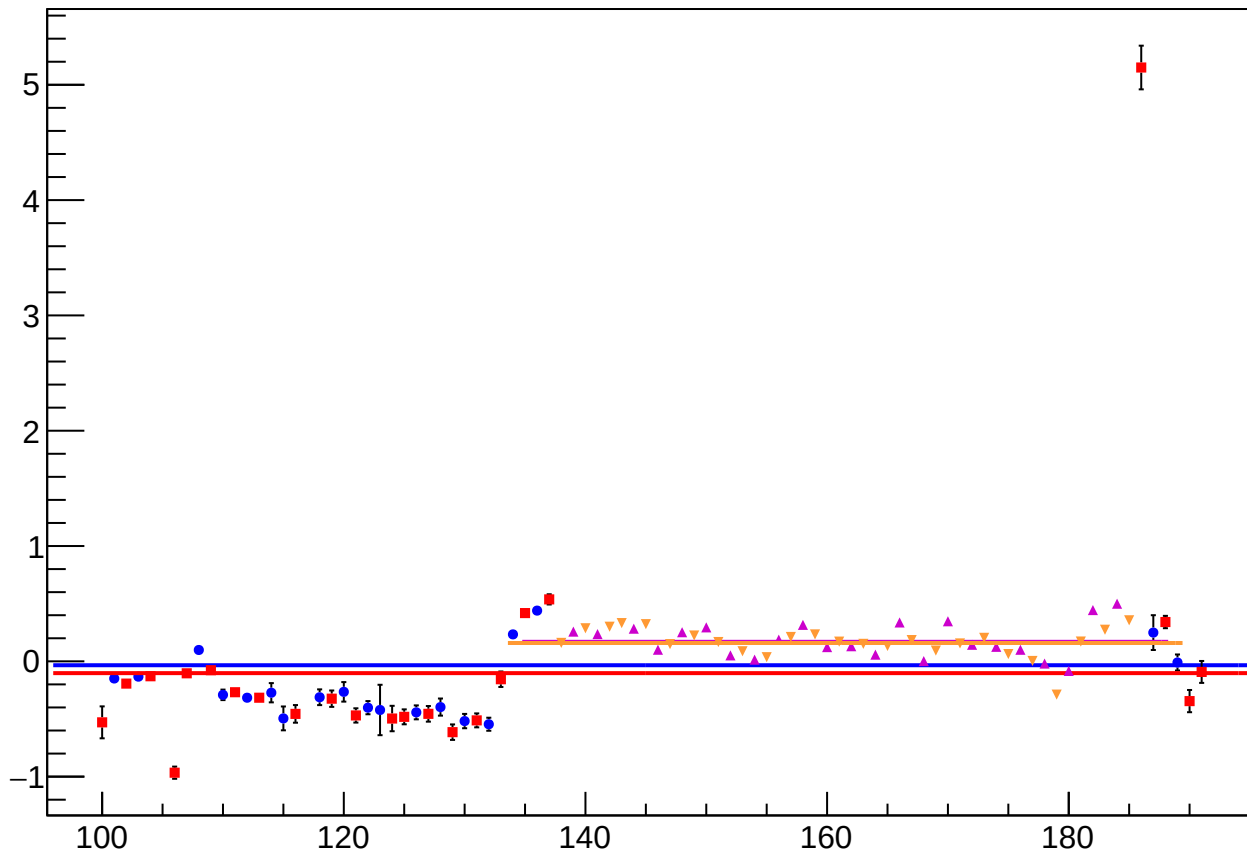
Right: 16.072 $\pm$ 0.135 χ^2 /NDF: 15225.5/41

In: 24.124 $\pm$ 0.060 χ^2 /NDF:12247.8/41

Out: 24.318 $\pm$ 0.060 χ^2 /NDF:13483.5/47

All: 24.222 $\pm$ 0.042 χ^2 /NDF: 25736.5/89

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.034 ± 0.010 χ^2/NDF : 1018.1/18

Left Out: 0.159 ± 0.003 χ^2/NDF : 1856.8/24

Right Out: -0.102 ± 0.010 χ^2/NDF : 2023.2/22

Left In: 0.169 ± 0.003 χ^2/NDF : 2430.7/22

Left: 0.164 ± 0.002 χ^2/NDF : 4293.8/47

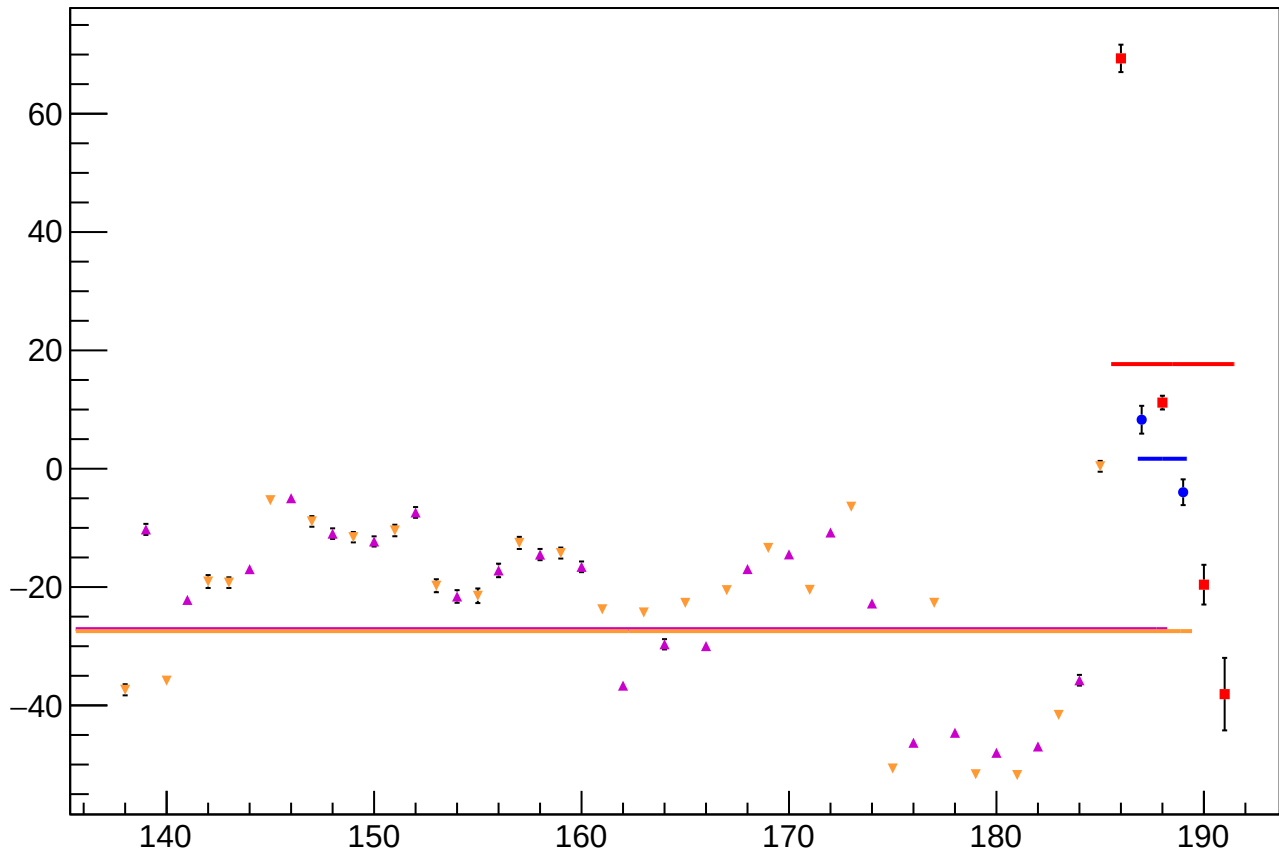
Right: -0.069 ± 0.007 χ^2/NDF : 3064.3/41

In: 0.154 ± 0.003 χ^2/NDF : 3816.9/41

Out: 0.139 ± 0.003 χ^2/NDF : 4505.6/47

All: 0.146 ± 0.002 χ^2/NDF : 8336.5/89

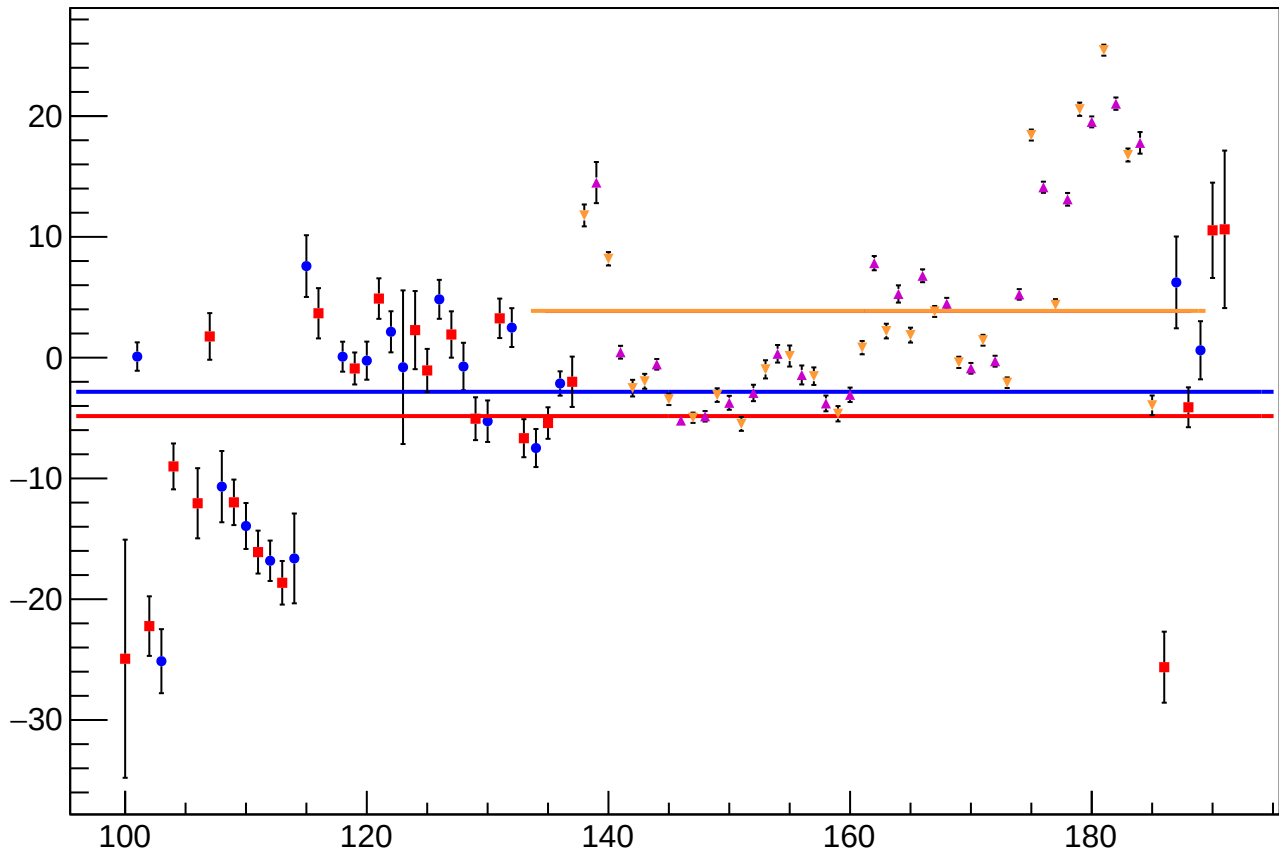
reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.687 ± 1.598 $\chi^2/\text{NDF}: 14.6/1$
 Left Out: -27.447 ± 0.137 $\chi^2/\text{NDF}: 14820.6/24$
 Right Out: 17.684 ± 0.979 $\chi^2/\text{NDF}: 734.7/3$
 Left In: -27.114 ± 0.139 $\chi^2/\text{NDF}: 11443.8/22$

Left: -27.283 ± 0.097 $\chi^2/\text{NDF}: 26267.3/47$
 Right: 13.317 ± 0.835 $\chi^2/\text{NDF}: 822.2/5$
 In: -26.899 ± 0.138 $\chi^2/\text{NDF}: 11781.0/24$
 Out: -26.579 ± 0.136 $\chi^2/\text{NDF}: 17639.6/28$
 All: -26.736 ± 0.097 $\chi^2/\text{NDF}: 29423.3/53$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.827 ± 0.400 χ^2/NDF : 288.8/18

Left Out: 3.873 ± 0.109 χ^2/NDF : 6906.0/24

Right Out: -4.837 ± 0.406 χ^2/NDF : 369.4/22

Left In: 3.861 ± 0.111 χ^2/NDF : 5438.4/22

Left: 3.867 ± 0.078 χ^2/NDF : 12344.4/47

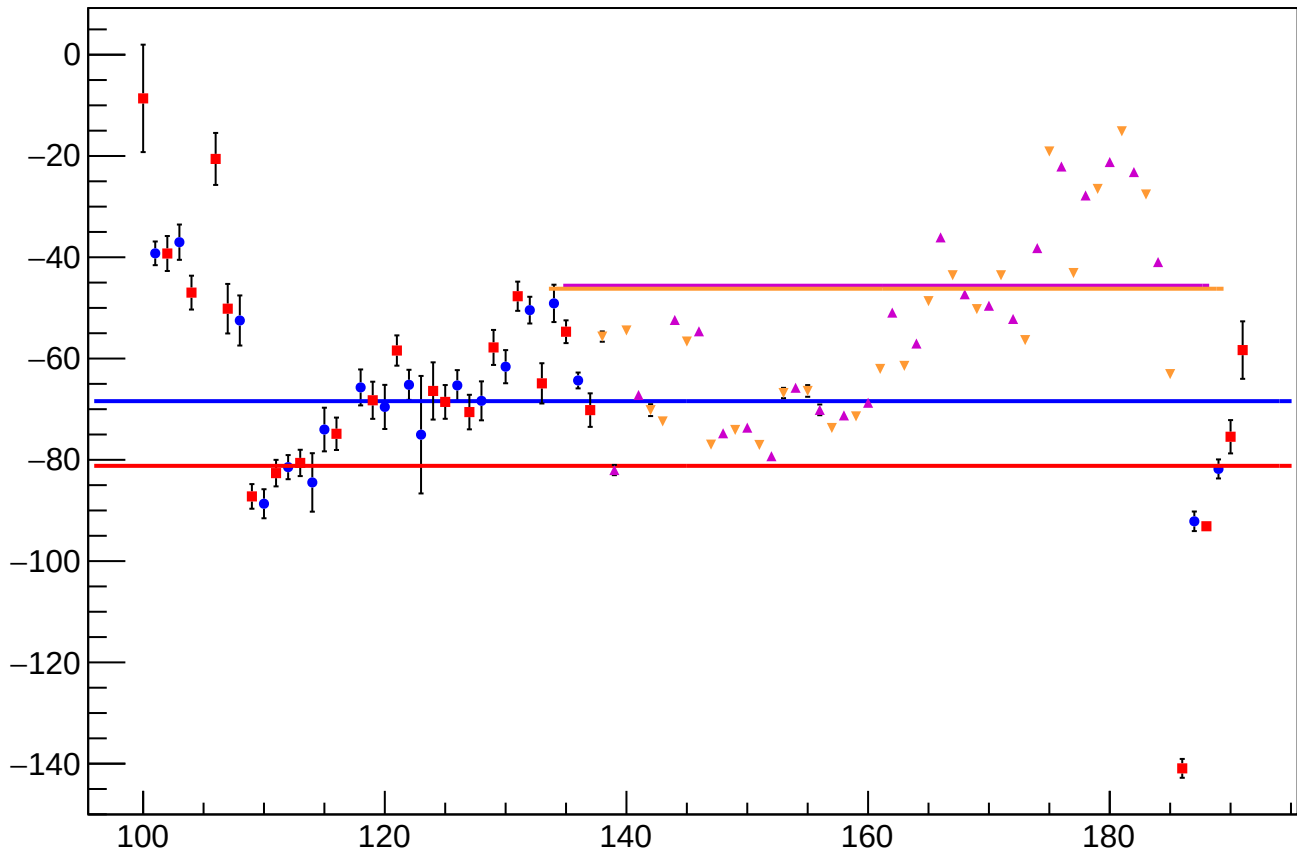
Right: -3.816 ± 0.285 χ^2/NDF : 670.6/41

In: 3.383 ± 0.107 χ^2/NDF : 5987.3/41

Out: 3.283 ± 0.106 χ^2/NDF : 7704.3/47

All: 3.332 ± 0.075 χ^2/NDF : 13692.1/89

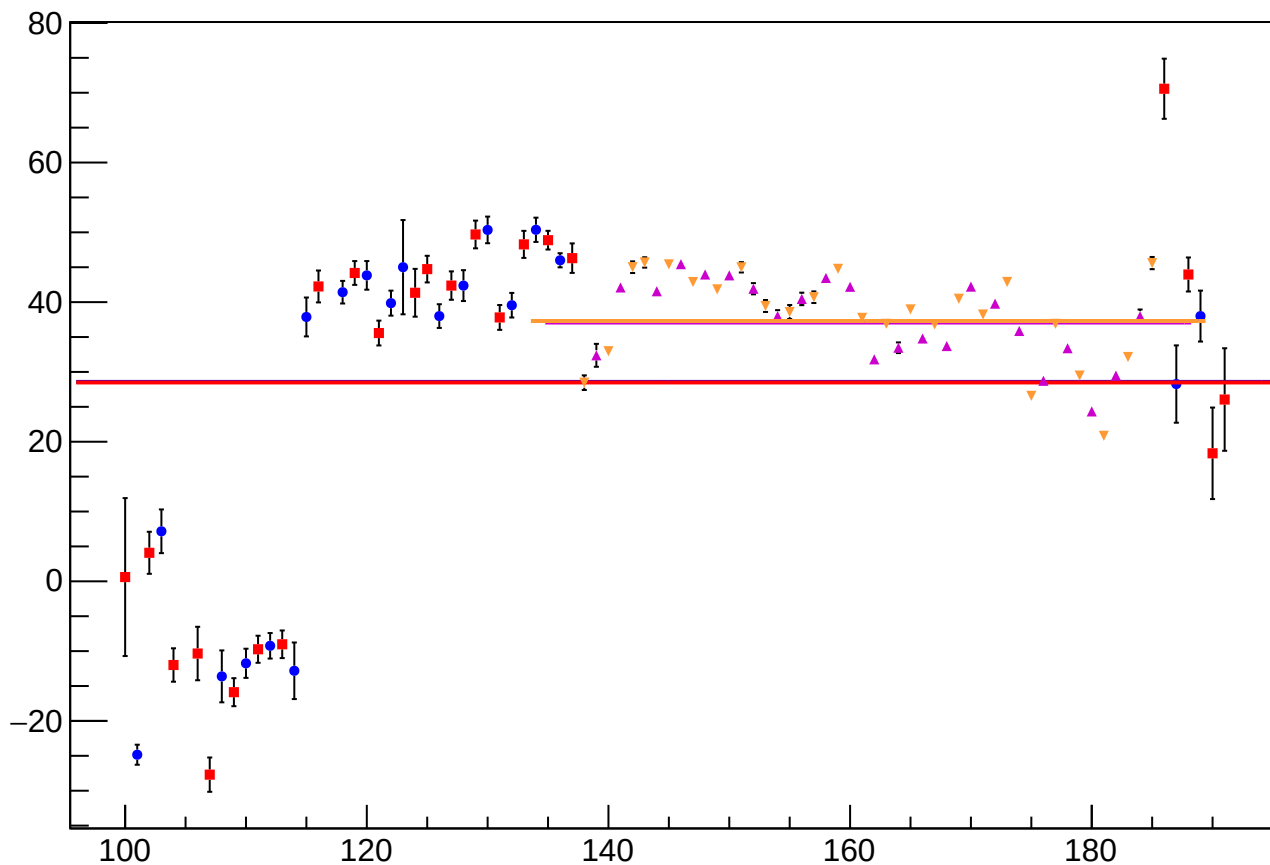
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -68.411 ± 0.647 χ^2/NDF : 626.3/18
 Left Out: -46.213 ± 0.138 χ^2/NDF : 19981.0/24
 Right Out: -81.188 ± 0.549 χ^2/NDF : 2147.5/22
 Left In: -45.616 ± 0.139 χ^2/NDF : 17743.8/22

Left: -45.917 ± 0.098 χ^2/NDF : 37734.0/47
 Right: -75.846 ± 0.418 χ^2/NDF : 3000.6/41
 In: -46.624 ± 0.136 χ^2/NDF : 19555.8/41
 Out: -48.298 ± 0.134 χ^2/NDF : 25950.8/47
 All: -47.474 ± 0.095 χ^2/NDF : 45583.5/89

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.571 $\pm$ 0.452 χ^2 /NDF: 3337.1/18

Left Out: 37.298 $\pm$ 0.123 χ^2 /NDF:3113.0/24

Right Out: 28.493 $\pm$ 0.465 χ^2 /NDF: 3176.0/22

Left In: 37.079 $\pm$ 0.125 χ^2 /NDF:2405.4/22

Left: 37.190 $\pm$ 0.088 χ^2 /NDF: 5519.9/47

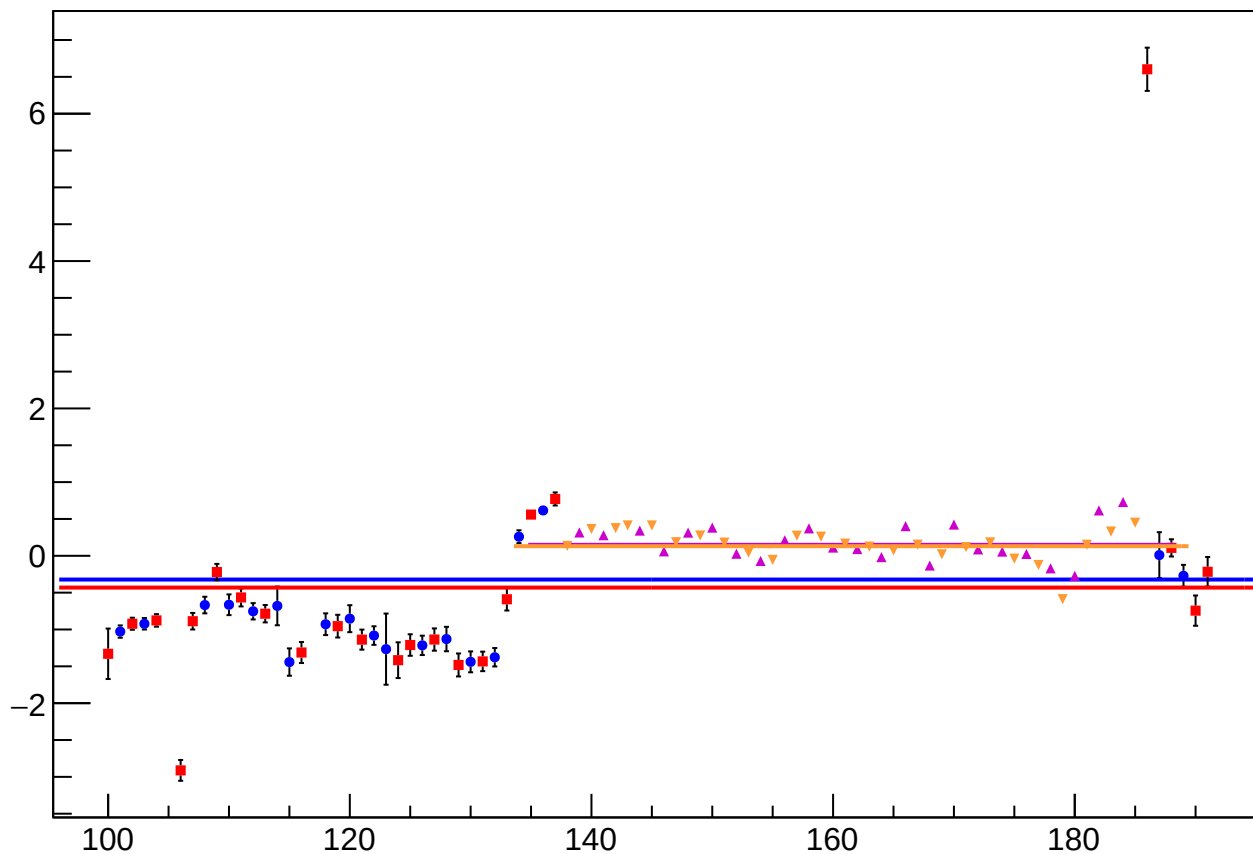
Right: 28.533 $\pm$ 0.324 χ^2 /NDF: 6513.1/41

In: 36.478 $\pm$ 0.120 χ^2 /NDF:6071.7/41

Out: 36.721 $\pm$ 0.119 χ^2 /NDF:6624.4/47

All: 36.601 $\pm$ 0.085 χ^2 /NDF: 12698.2/89

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.322 ± 0.024 χ^2/NDF : 1014.3/18

Left Out: 0.130 ± 0.006 χ^2/NDF : 1419.7/24

Right Out: -0.431 ± 0.025 χ^2/NDF : 1778.8/22

Left In: 0.149 ± 0.006 χ^2/NDF : 1813.7/22

Left: 0.139 ± 0.004 χ^2/NDF : 3238.6/47

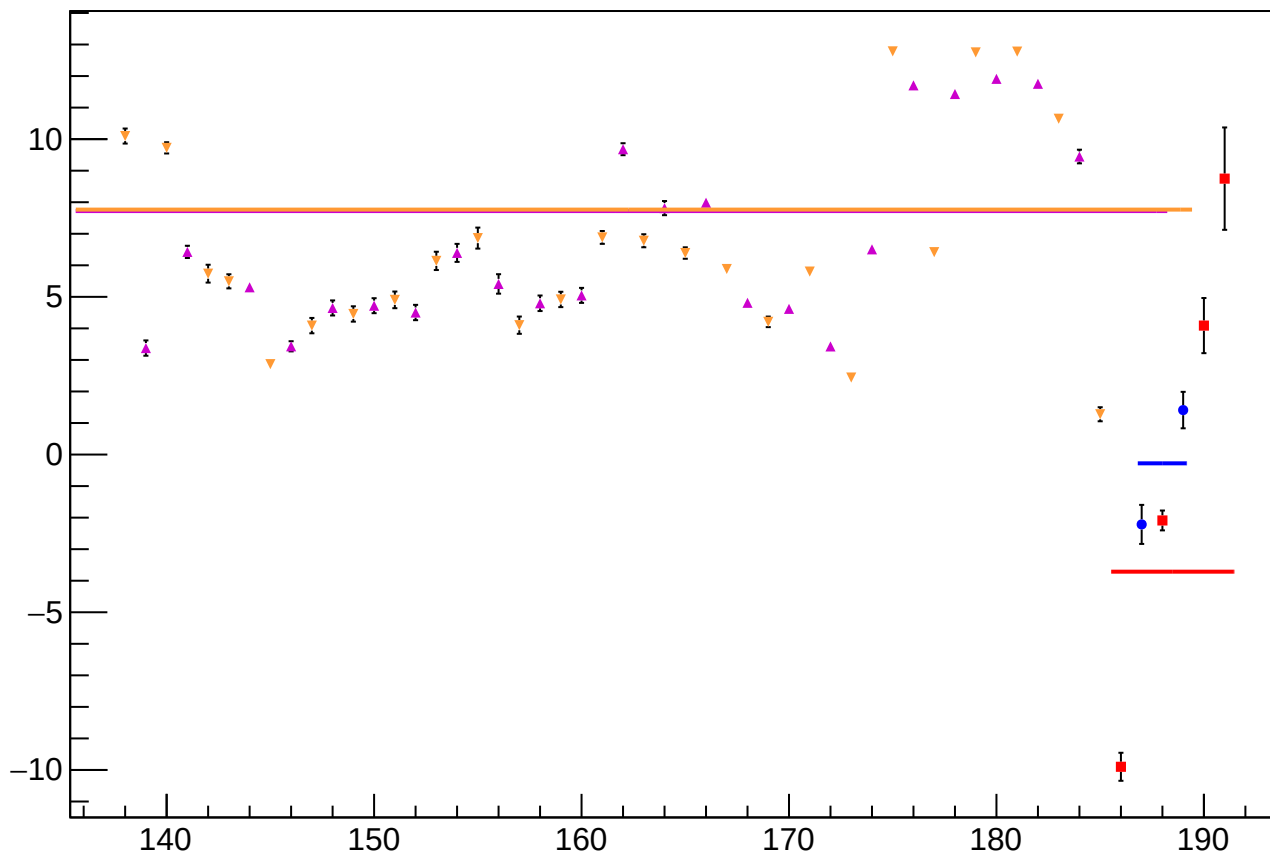
Right: -0.376 ± 0.017 χ^2/NDF : 2803.0/41

In: 0.124 ± 0.006 χ^2/NDF : 3179.1/41

Out: 0.102 ± 0.005 χ^2/NDF : 3692.5/47

All: 0.113 ± 0.004 χ^2/NDF : 6879.5/89

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.278 ± 0.422 χ^2/NDF : 18.3/1

Left Out: 7.766 ± 0.034 χ^2/NDF : 11703.8/24

Right Out: -3.713 ± 0.244 χ^2/NDF : 359.1/3

Left In: 7.719 ± 0.035 χ^2/NDF : 8490.5/22

Left: 7.743 ± 0.025 χ^2/NDF : 20195.2/47

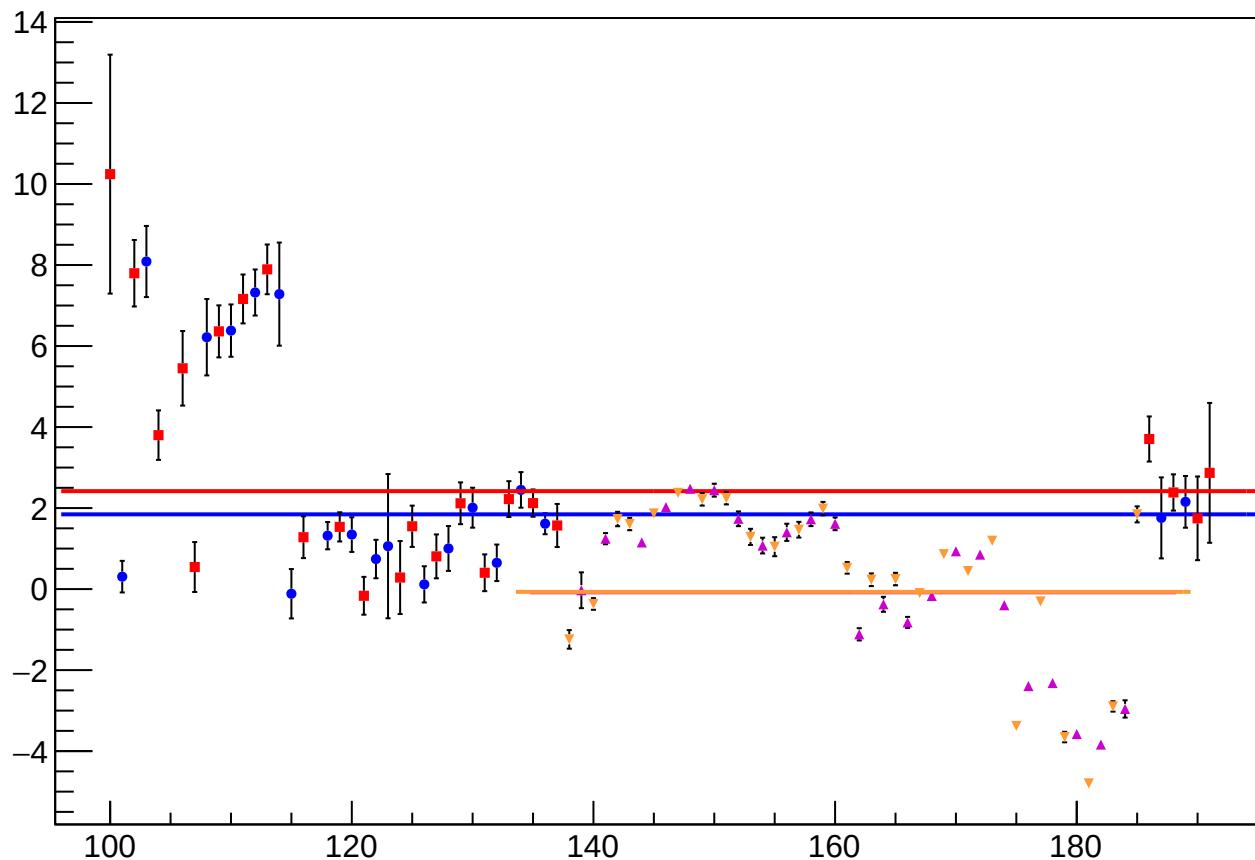
Right: -2.856 ± 0.211 χ^2/NDF : 427.1/5

In: 7.665 ± 0.035 χ^2/NDF : 8864.8/24

Out: 7.541 ± 0.034 χ^2/NDF : 14240.9/28

All: 7.602 ± 0.024 χ^2/NDF : 23112.1/53

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.845 ± 0.113 $\chi^2/\text{NDF}: 295.1/18$

Left Out: -0.069 ± 0.028 $\chi^2/\text{NDF}: 6033.5/24$

Right Out: 2.418 ± 0.115 $\chi^2/\text{NDF}: 342.4/22$

Left In: -0.079 ± 0.028 $\chi^2/\text{NDF}: 4989.1/22$

Left: -0.074 ± 0.020 $\chi^2/\text{NDF}: 11022.7/47$

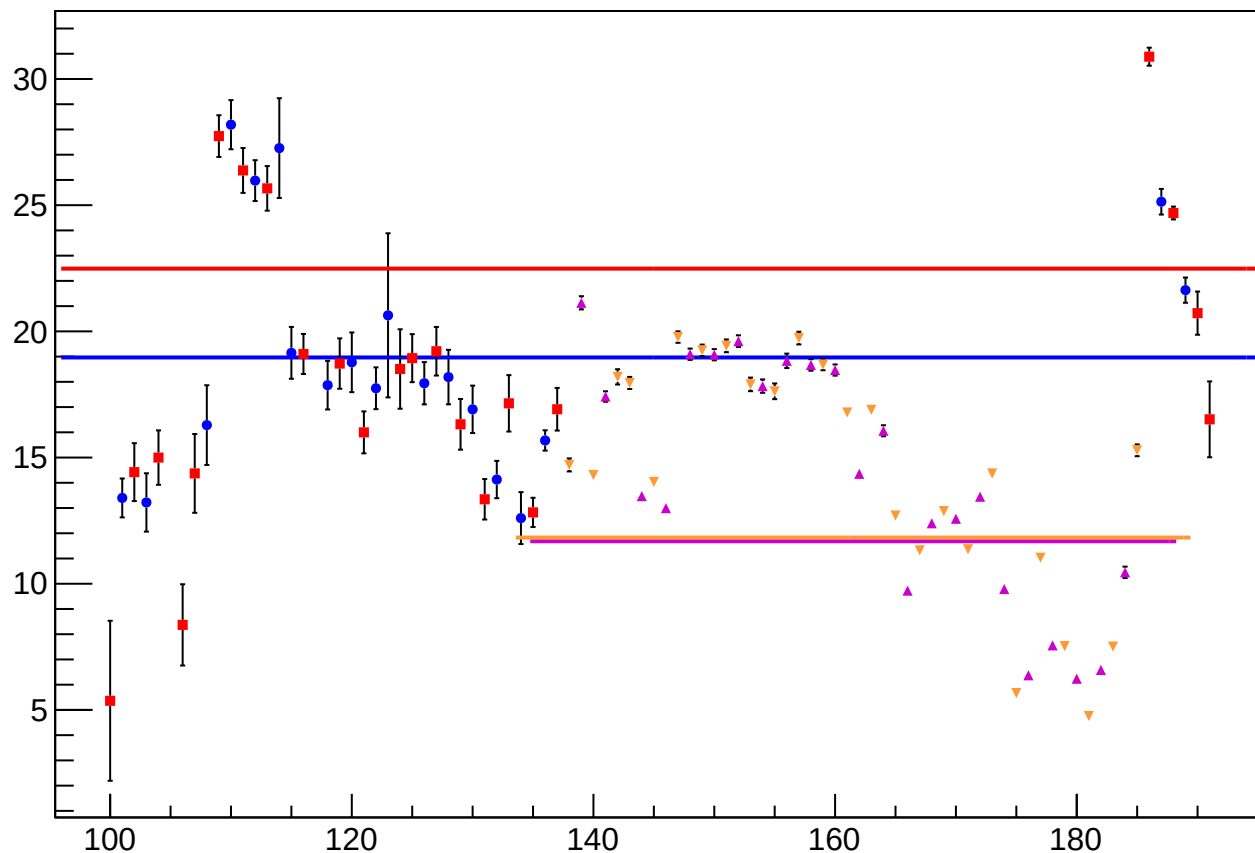
Right: 2.128 ± 0.081 $\chi^2/\text{NDF}: 650.1/41$

In: 0.033 ± 0.027 $\chi^2/\text{NDF}: 5555.1/41$

Out: 0.070 ± 0.027 $\chi^2/\text{NDF}: 6819.5/47$

All: 0.051 ± 0.019 $\chi^2/\text{NDF}: 12375.6/89$

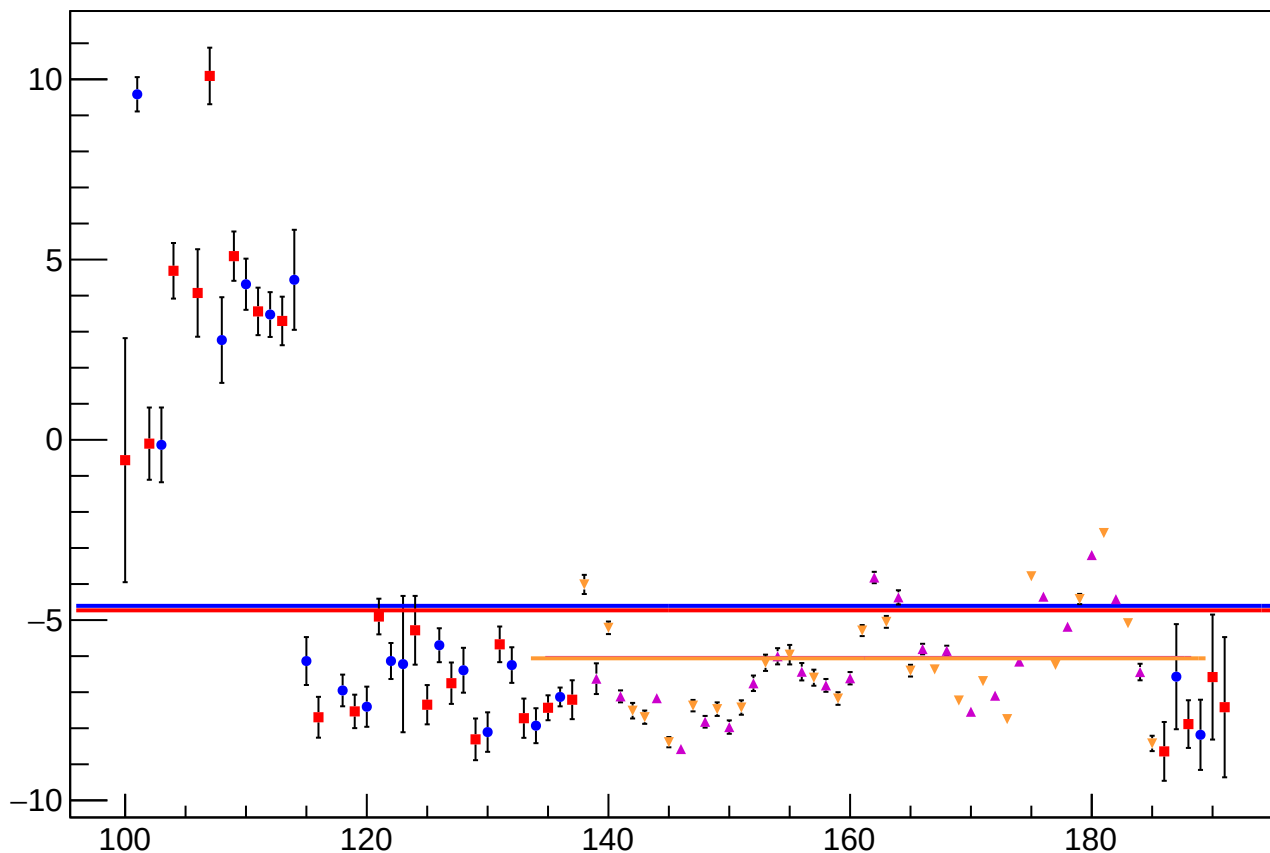
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 18.966 $\pm$ 0.182 χ^2 /NDF: 595.9/18
 Left Out: 11.830 $\pm$ 0.035 χ^2 /NDF:19032.5/24
 Right Out: 22.485 $\pm$ 0.147 χ^2 /NDF: 1588.5/22
 Left In: 11.683 $\pm$ 0.035 χ^2 /NDF:16927.3/22

Left: 11.757 $\pm$ 0.025 χ^2 /NDF: 35968.6/47
 Right: 21.092 $\pm$ 0.115 χ^2 /NDF: 2410.1/41
 In: 11.944 $\pm$ 0.034 χ^2 /NDF:19066.4/41
 Out: 12.390 $\pm$ 0.034 χ^2 /NDF:25573.5/47
 All: 12.171 $\pm$ 0.024 χ^2 /NDF: 44725.7/89

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.605 ± 0.128 $\chi^2/\text{NDF}: 1605.9/18$

Left Out: -6.061 ± 0.031 $\chi^2/\text{NDF}: 2649.3/24$

Right Out: -4.730 ± 0.132 $\chi^2/\text{NDF}: 1391.6/22$

Left In: -6.050 ± 0.032 $\chi^2/\text{NDF}: 2303.3/22$

Left: -6.055 ± 0.022 $\chi^2/\text{NDF}: 4952.7/47$

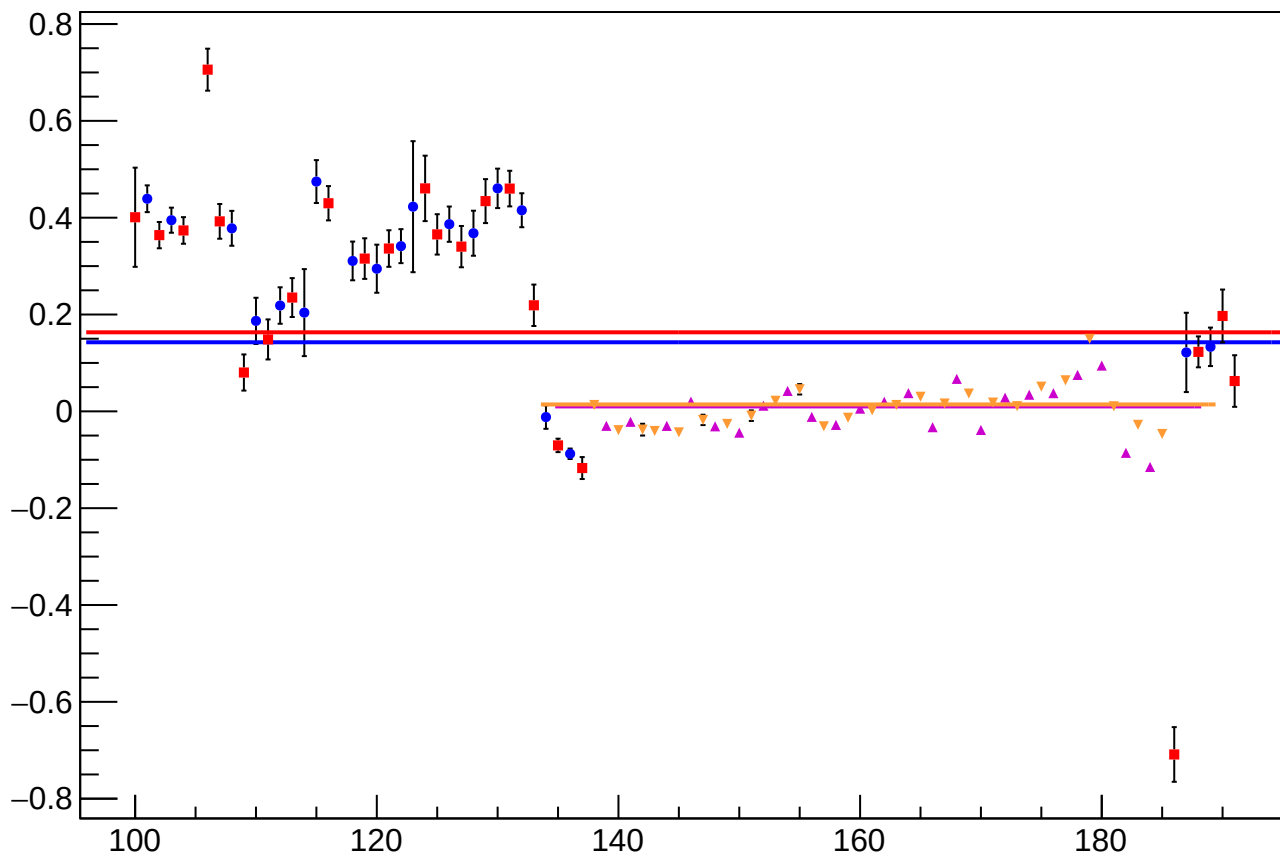
Right: -4.665 ± 0.092 $\chi^2/\text{NDF}: 2997.9/41$

In: -5.967 ± 0.031 $\chi^2/\text{NDF}: 4029.5/41$

Out: -5.990 ± 0.030 $\chi^2/\text{NDF}: 4137.7/47$

All: -5.978 ± 0.022 $\chi^2/\text{NDF}: 8167.5/89$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.143 $\pm$ 0.007 χ^2 /NDF: 1060.5/18

Left Out: 0.014 $\pm$ 0.001 χ^2 /NDF: 950.9/24

Right Out: 0.163 $\pm$ 0.007 χ^2 /NDF: 1258.0/22

Left In: 0.010 $\pm$ 0.001 χ^2 /NDF: 1224.5/22

Left: 0.012 $\pm$ 0.001 χ^2 /NDF: 2179.5/47

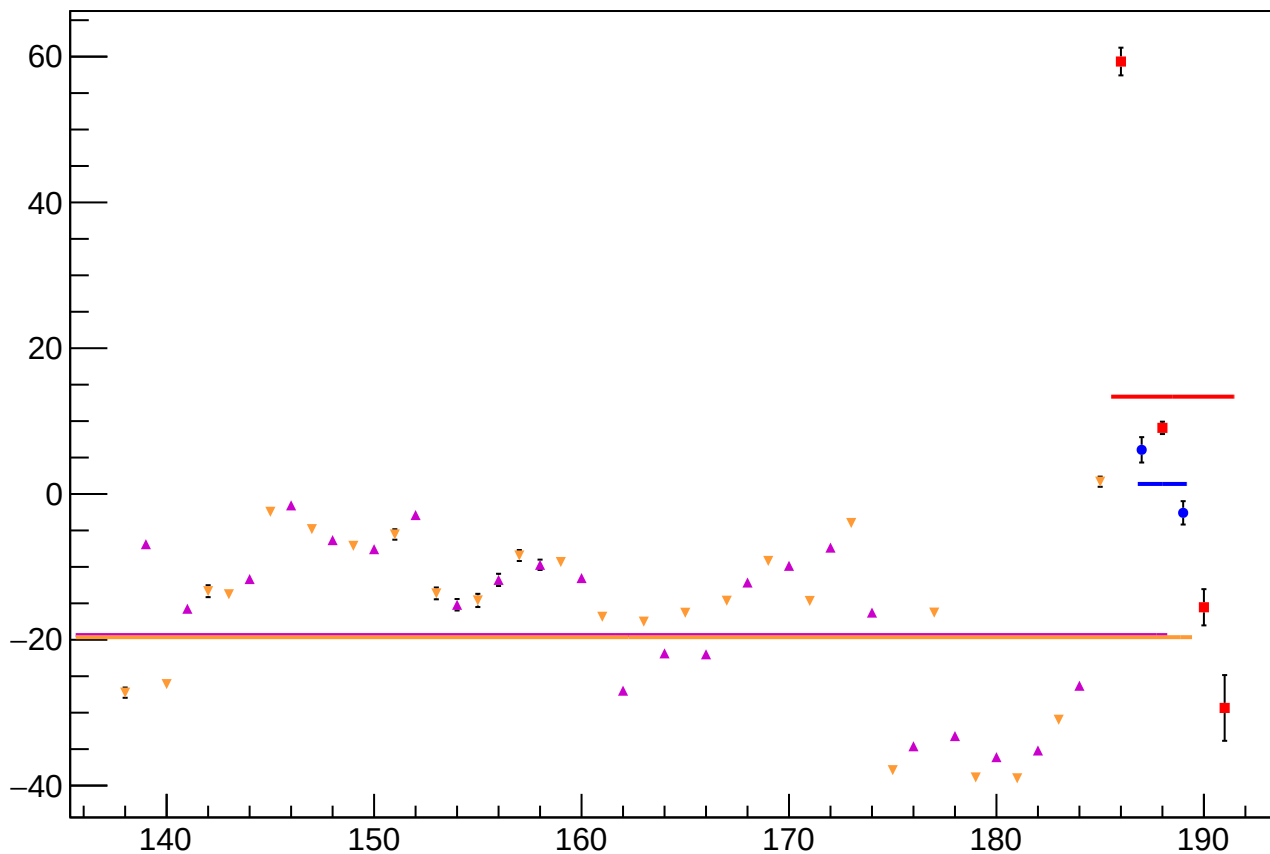
Right: 0.153 $\pm$ 0.005 χ^2 /NDF: 2322.8/41

In: 0.016 $\pm$ 0.001 χ^2 /NDF: 2636.5/41

Out: 0.020 $\pm$ 0.001 χ^2 /NDF: 2641.8/47

All: 0.018 $\pm$ 0.001 χ^2 /NDF: 5283.4/89

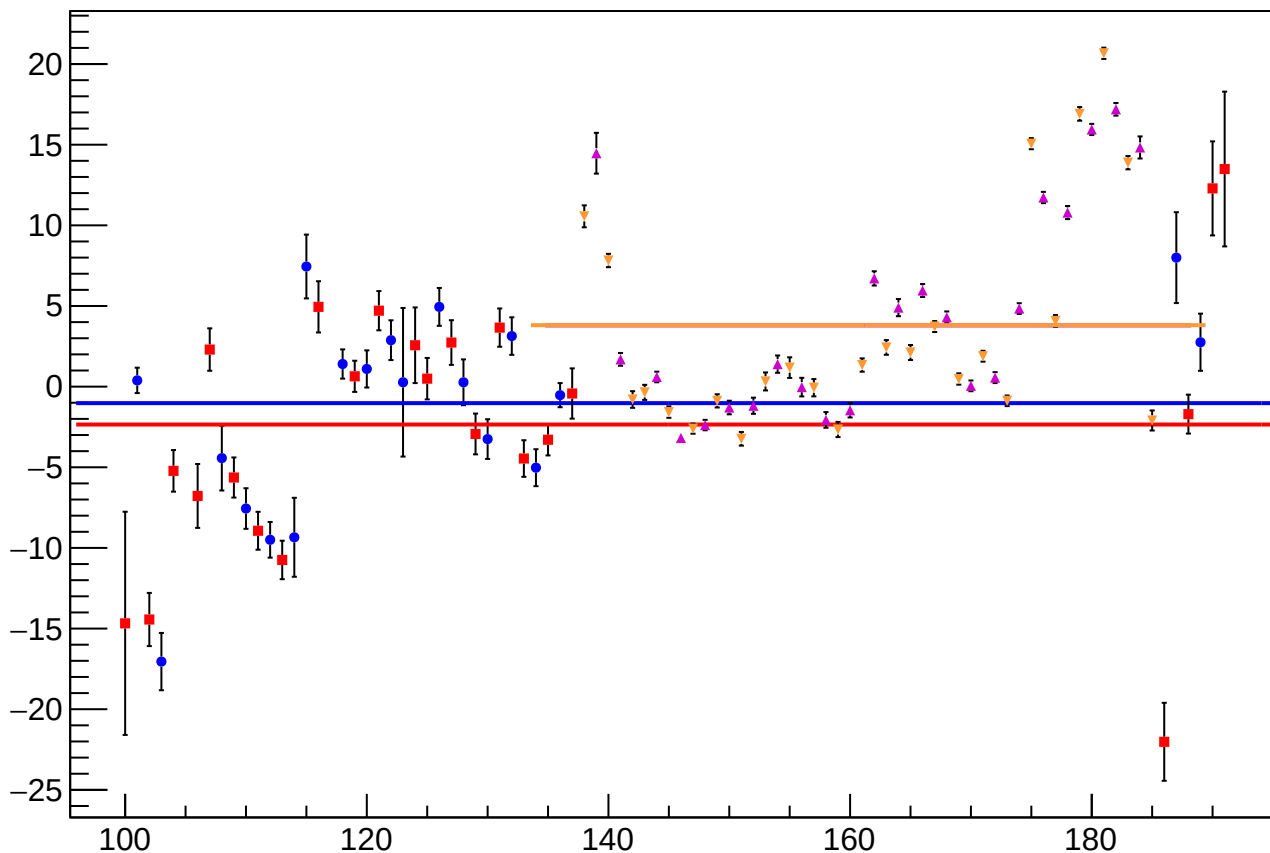
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.380+/-1.180 χ^2/NDF : 13.3/1
 Left Out: -19.642+/-0.103 χ^2/NDF :15730.6/24
 Right Out: 13.354+/-0.730 χ^2/NDF : 835.4/3
 Left In: -19.355+/-0.105 χ^2/NDF :12417.1/22

Left: -19.501+/-0.074 χ^2/NDF : 28151.5/47
 Right: 10.040+/-0.621 χ^2/NDF : 923.2/5
 In: -19.194+/-0.104 χ^2/NDF :12737.0/24
 Out: -18.993+/-0.102 χ^2/NDF :18570.8/28
 All: -19.092+/-0.073 χ^2/NDF : 31309.7/53

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.023 ± 0.285 χ^2/NDF : 293.9/18

Left Out: 3.811 ± 0.082 χ^2/NDF : 7118.3/24

Right Out: -2.349 ± 0.289 χ^2/NDF : 388.9/22

Left In: 3.795 ± 0.083 χ^2/NDF : 5534.4/22

Left: 3.803 ± 0.059 χ^2/NDF : 12652.7/47

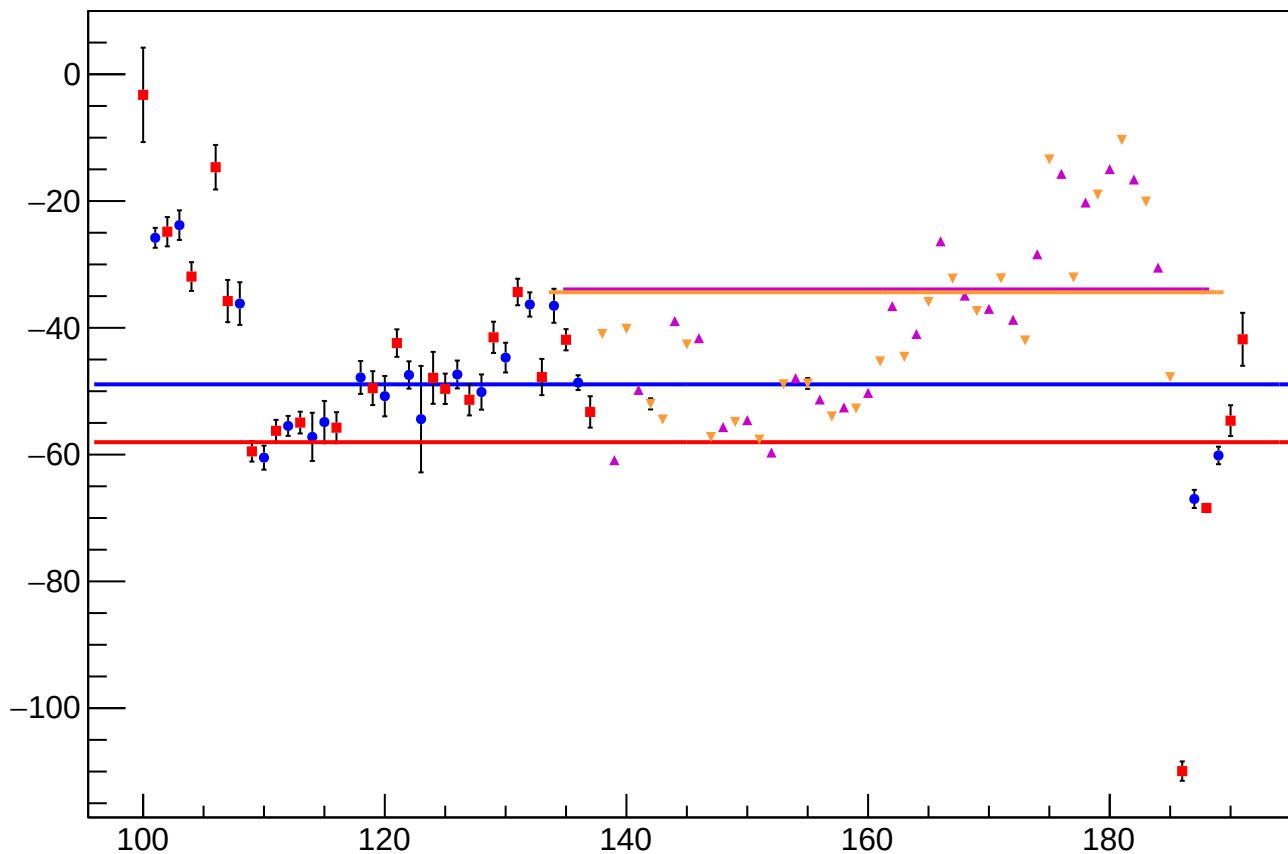
Right: -1.676 ± 0.203 χ^2/NDF : 693.4/41

In: 3.415 ± 0.080 χ^2/NDF : 6092.1/41

Out: 3.350 ± 0.079 χ^2/NDF : 7926.7/47

All: 3.382 ± 0.056 χ^2/NDF : 14019.1/89

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.918 ± 0.463 χ^2/NDF : 705.3/18

Left Out: -34.389 ± 0.104 χ^2/NDF : 20032.2/24

Right Out: -58.040 ± 0.396 χ^2/NDF : 2368.4/22

Left In: -33.946 ± 0.105 χ^2/NDF : 17855.4/22

Left: -34.169 ± 0.074 χ^2/NDF : 37896.7/47

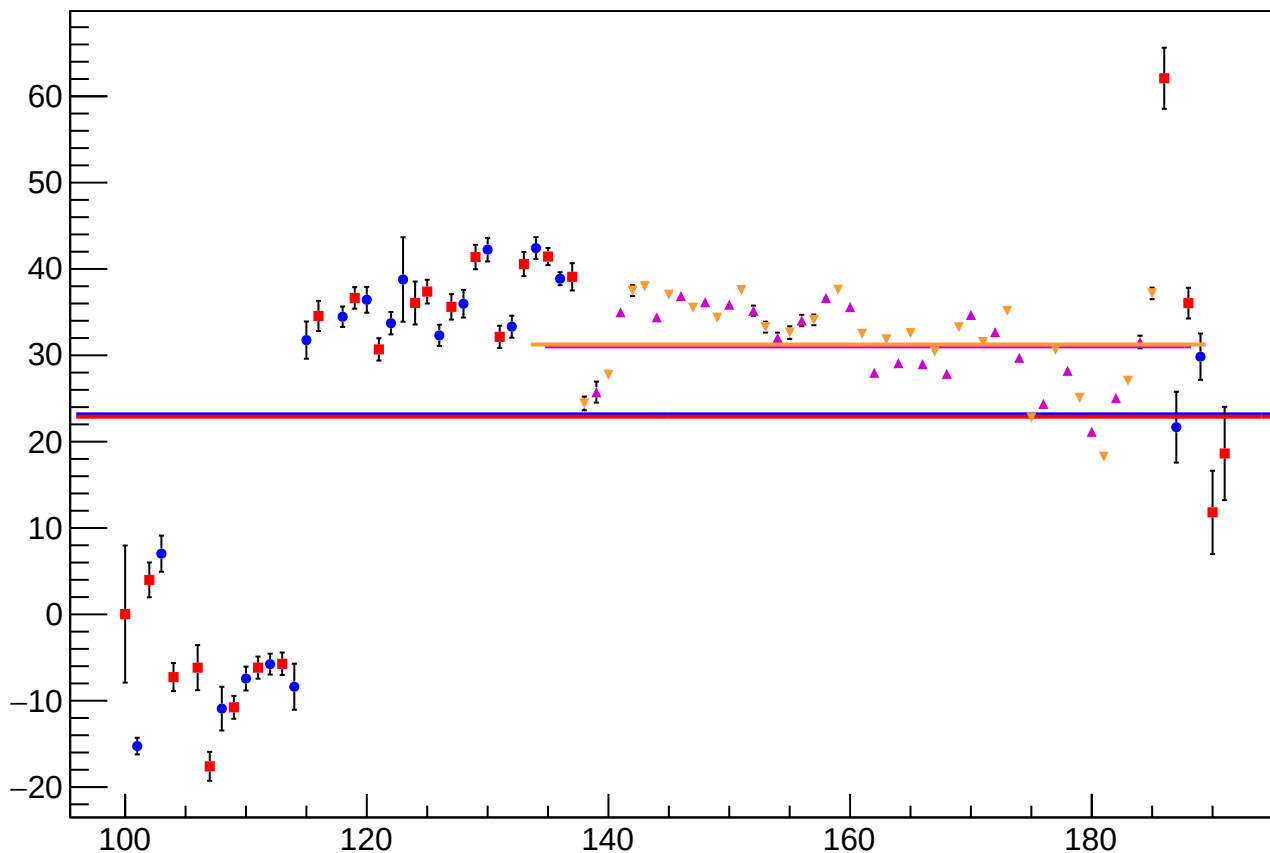
Right: -54.180 ± 0.301 χ^2/NDF : 3298.0/41

In: -34.678 ± 0.102 χ^2/NDF : 19557.1/41

Out: -35.917 ± 0.101 χ^2/NDF : 25735.0/47

All: -35.307 ± 0.072 χ^2/NDF : 45366.7/89

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.163 $\pm$ 0.323 χ^2 /NDF: 4352.4/18

Left Out: 31.252 $\pm$ 0.093 χ^2 /NDF:3305.3/24

Right Out: 22.891 $\pm$ 0.331 χ^2 /NDF: 4222.4/22

Left In: 31.040 $\pm$ 0.094 χ^2 /NDF:2488.6/22

Left: 31.147 $\pm$ 0.066 χ^2 /NDF: 5796.5/47

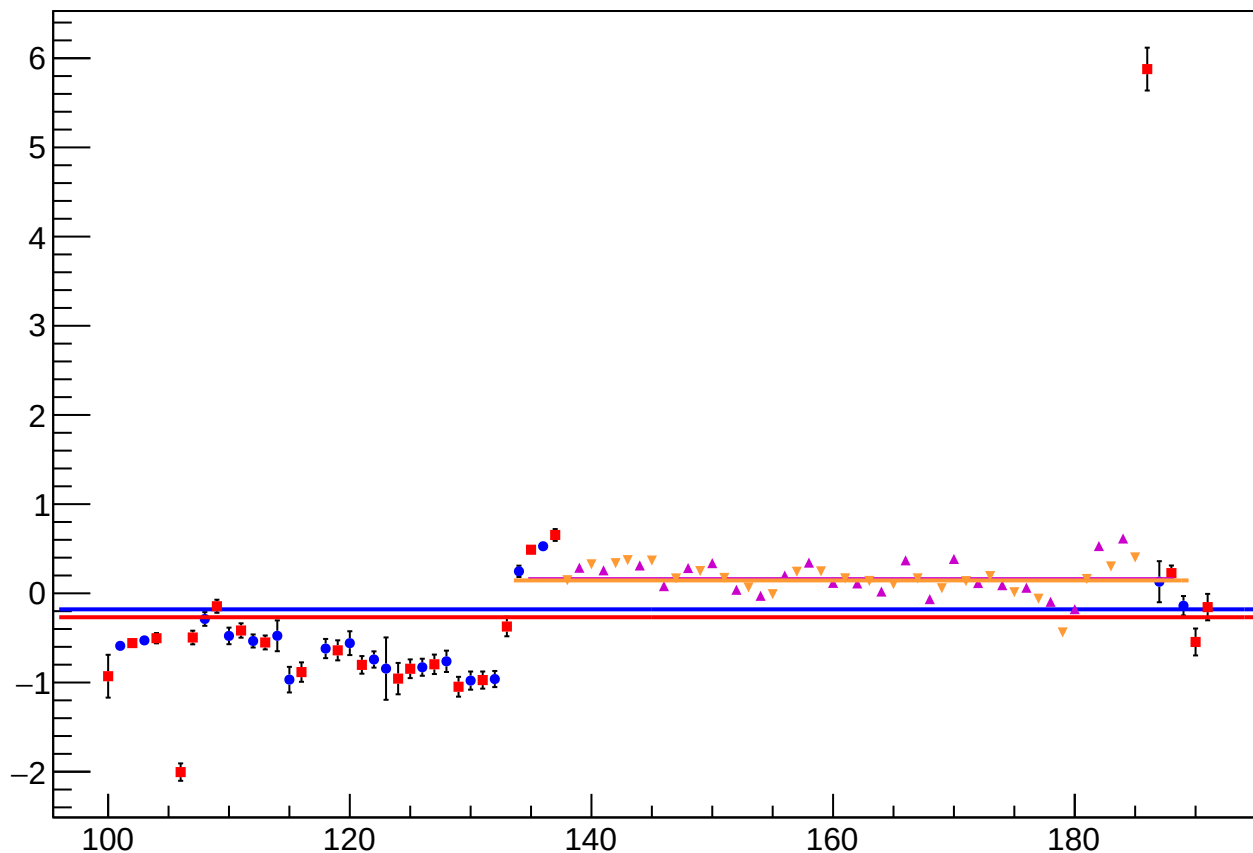
Right: 23.030 $\pm$ 0.231 χ^2 /NDF: 8575.1/41

In: 30.425 $\pm$ 0.090 χ^2 /NDF:7390.7/41

Out: 30.646 $\pm$ 0.089 χ^2 /NDF:8119.7/47

All: 30.537 $\pm$ 0.063 χ^2 /NDF: 15513.4/89

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.179 ± 0.017 $\chi^2/\text{NDF}: 1000.1/18$

Left Out: 0.145 ± 0.004 $\chi^2/\text{NDF}: 1572.6/24$

Right Out: -0.268 ± 0.017 $\chi^2/\text{NDF}: 1885.7/22$

Left In: 0.159 ± 0.004 $\chi^2/\text{NDF}: 2020.5/22$

Left: 0.152 ± 0.003 $\chi^2/\text{NDF}: 3598.6/47$

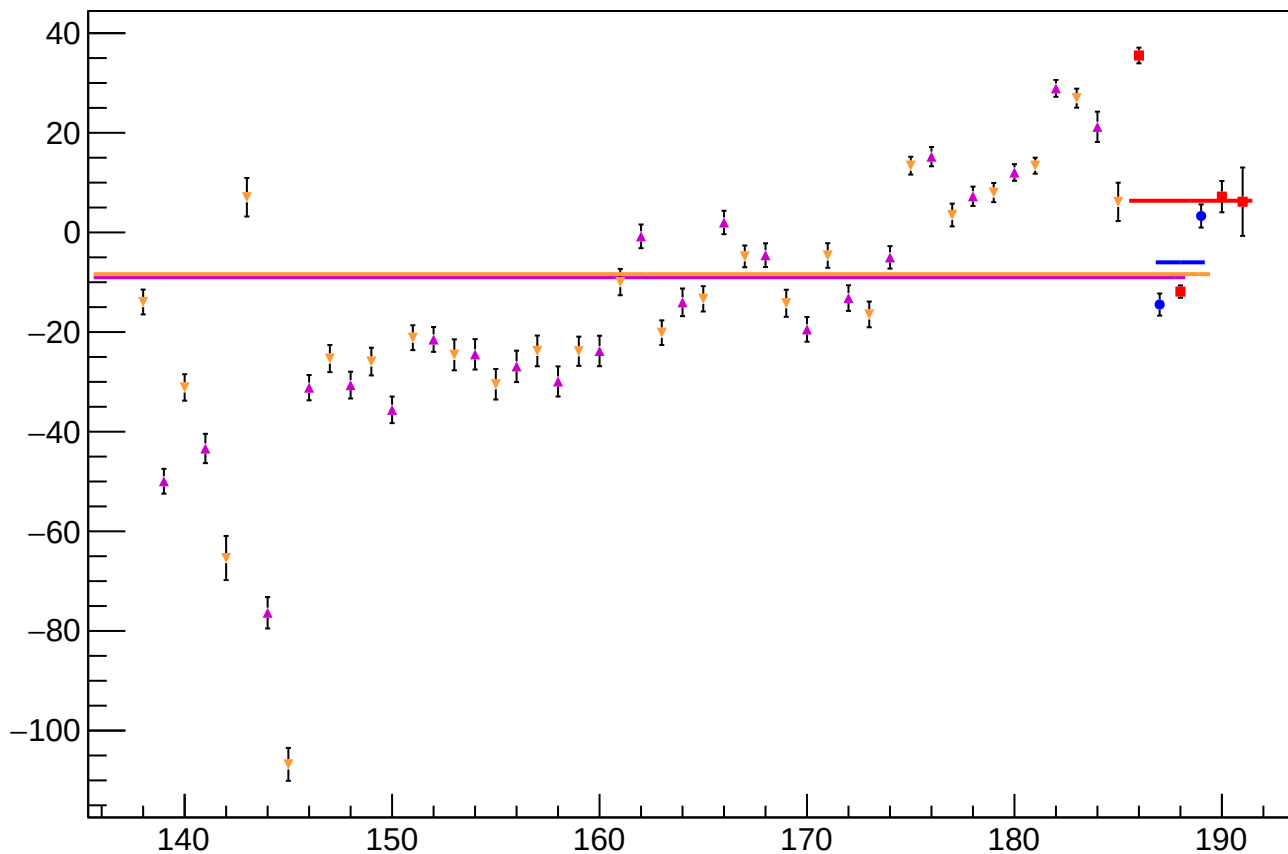
Right: -0.224 ± 0.012 $\chi^2/\text{NDF}: 2898.7/41$

In: 0.140 ± 0.004 $\chi^2/\text{NDF}: 3375.3/41$

Out: 0.122 ± 0.004 $\chi^2/\text{NDF}: 3985.7/47$

All: 0.131 ± 0.003 $\chi^2/\text{NDF}: 7370.2/89$

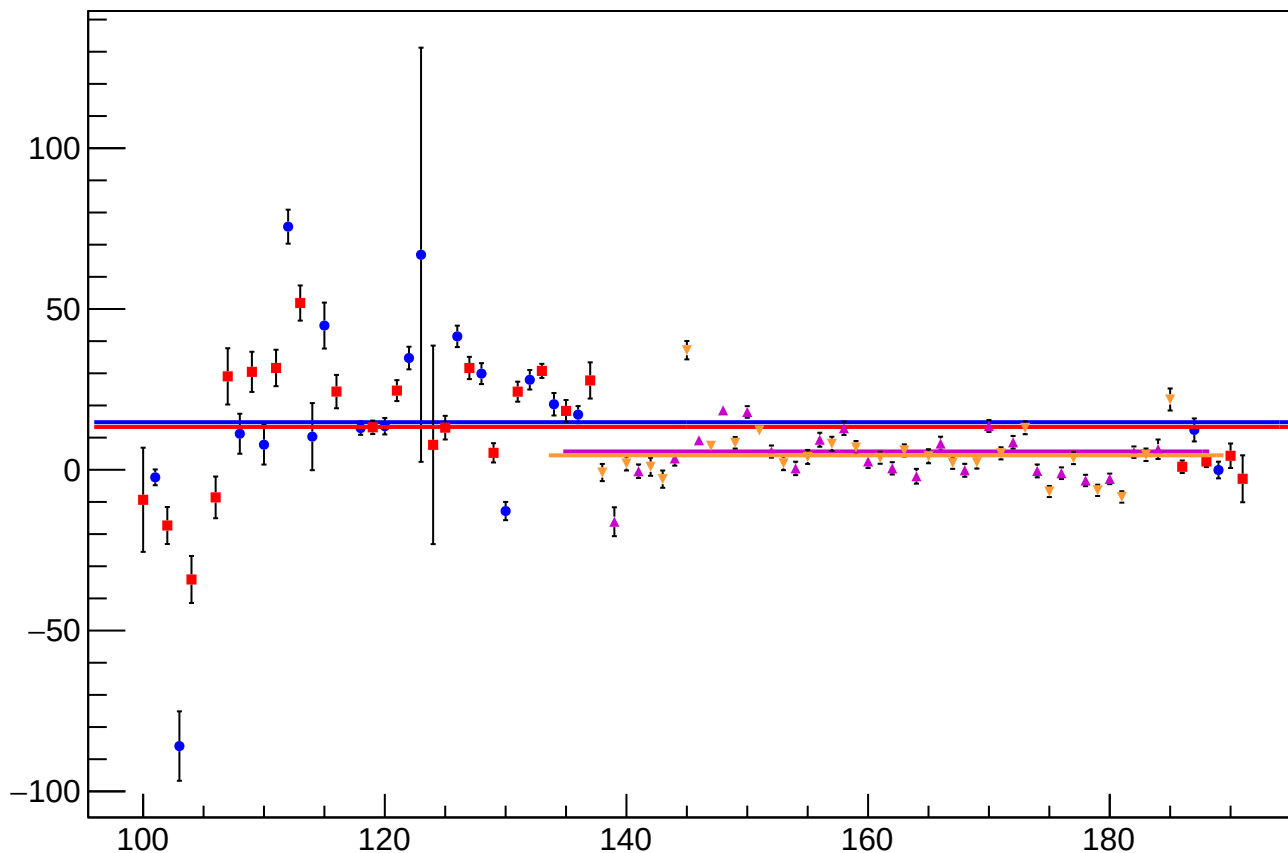
reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.004 ± 1.606 χ^2/NDF : 30.6/1
 Left Out: -8.375 ± 0.500 χ^2/NDF : 2224.0/24
 Right Out: 6.365 ± 0.921 χ^2/NDF : 561.0/3
 Left In: -8.995 ± 0.505 χ^2/NDF : 2308.2/22

Left: -8.682 ± 0.355 χ^2/NDF : 4533.0/47
 Right: 3.305 ± 0.799 χ^2/NDF : 636.2/5
 In: -8.726 ± 0.482 χ^2/NDF : 2341.9/24
 Out: -5.015 ± 0.440 χ^2/NDF : 2982.9/28
 All: -6.701 ± 0.325 χ^2/NDF : 5357.2/53

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 14.795+/-0.786 χ^2/NDF : 557.0/18

Left Out: 4.494+/-0.393 χ^2/NDF : 372.1/24

Right Out: 13.319+/-0.721 χ^2/NDF : 380.5/22

Left In: 5.699+/-0.403 χ^2/NDF : 329.1/22

Left: 5.081+/-0.281 χ^2/NDF : 705.8/47

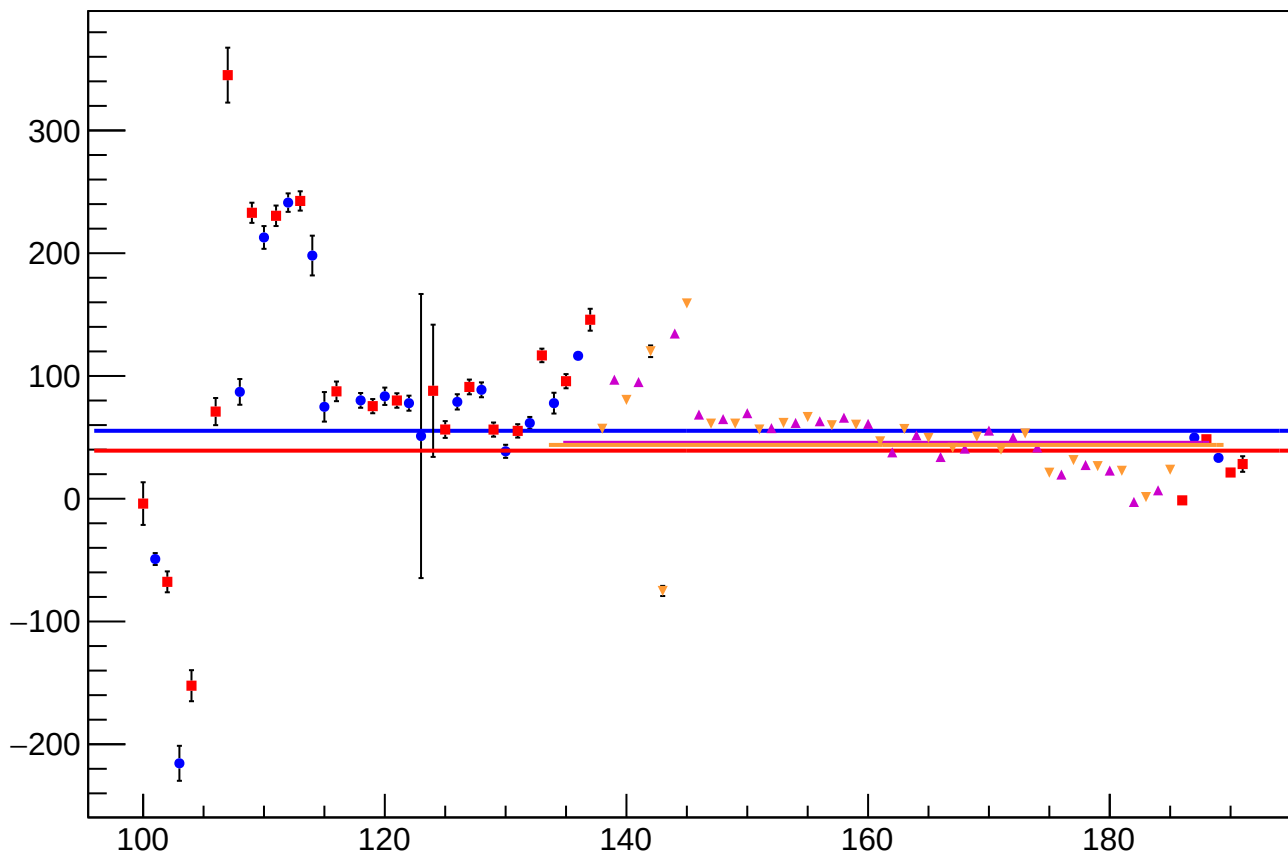
Right: 13.993+/-0.531 χ^2/NDF : 939.3/41

In: 7.594+/-0.359 χ^2/NDF : 992.1/41

Out: 6.515+/-0.345 χ^2/NDF : 868.2/47

All: 7.033+/-0.249 χ^2/NDF : 1865.0/89

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 55.341+/-1.036 χ^2/NDF : 2278.6/18

Left Out: 43.840+/-0.499 χ^2/NDF : 3680.9/24

Right Out: 39.164+/-0.688 χ^2/NDF : 4158.0/22

Left In: 45.559+/-0.502 χ^2/NDF : 3152.4/22

Left: 44.693+/-0.354 χ^2/NDF : 6839.2/47

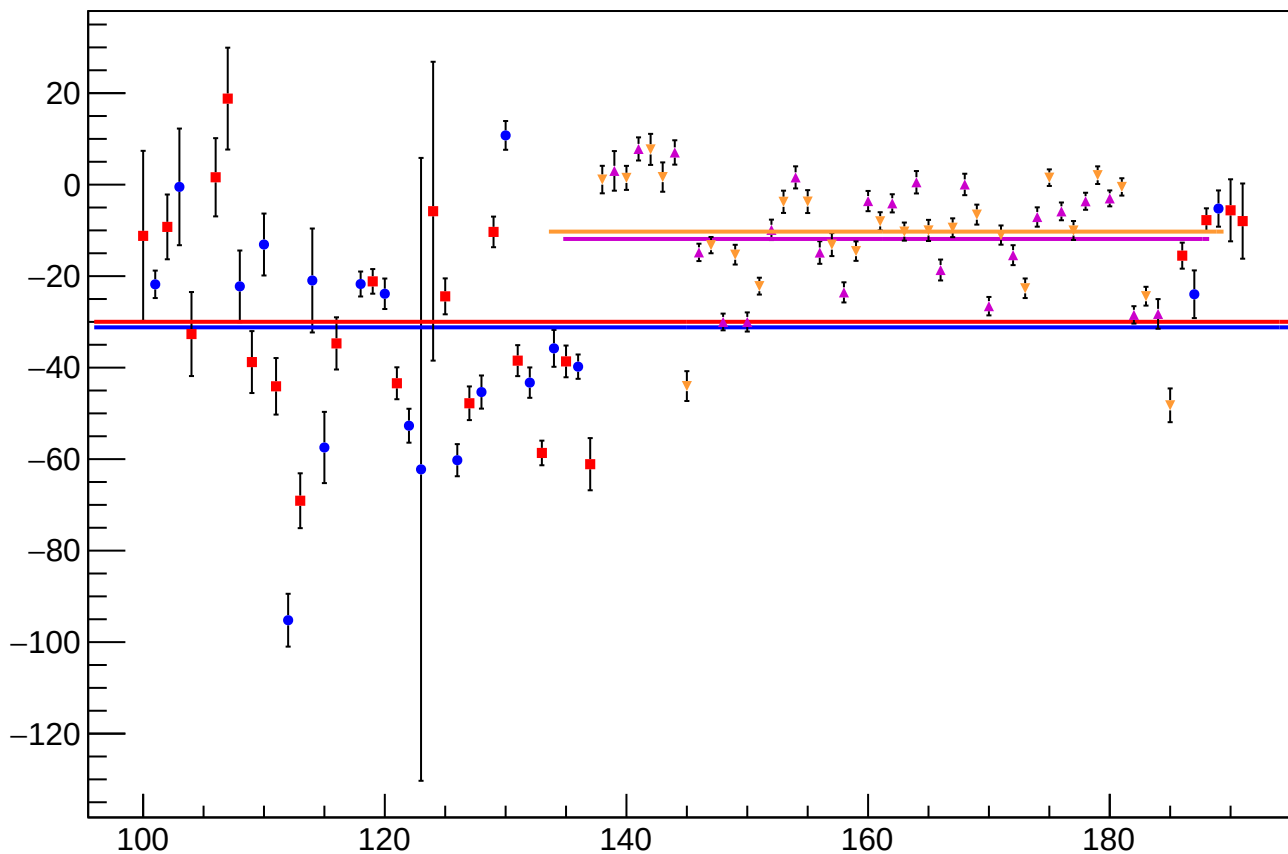
Right: 44.118+/-0.573 χ^2/NDF : 6605.7/41

In: 47.422+/-0.452 χ^2/NDF : 5503.2/41

Out: 42.229+/-0.404 χ^2/NDF : 7869.1/47

All: 44.535+/-0.301 χ^2/NDF : 13445.7/89

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -31.192 ± 0.929 χ^2/NDF : 541.4/18

Left Out: -10.267 ± 0.445 χ^2/NDF : 553.7/24

Right Out: -29.981 ± 0.890 χ^2/NDF : 454.5/22

Left In: -11.875 ± 0.455 χ^2/NDF : 668.4/22

Left: -11.053 ± 0.318 χ^2/NDF : 1228.5/47

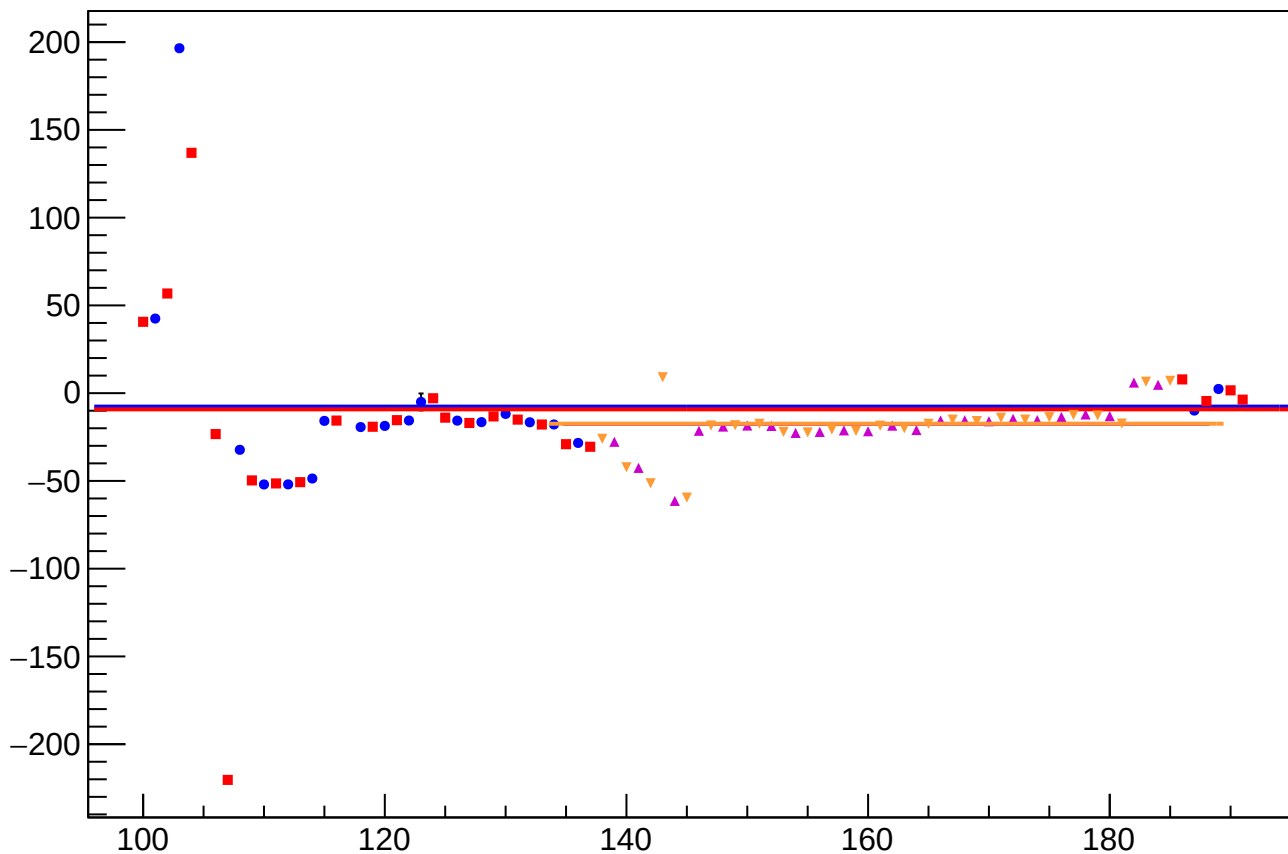
Right: -30.561 ± 0.643 χ^2/NDF : 996.8/41

In: -15.611 ± 0.408 χ^2/NDF : 1558.8/41

Out: -14.206 ± 0.398 χ^2/NDF : 1400.4/47

All: -14.890 ± 0.285 χ^2/NDF : 2965.3/89

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -7.668 ± 0.055 $\chi^2/\text{NDF}: 579820.9/18$

Left Out: -17.411 ± 0.020 $\chi^2/\text{NDF}: 320231.3/24$

Right Out: -9.223 ± 0.051 $\chi^2/\text{NDF}: 574122.4/22$

Left In: -17.552 ± 0.021 $\chi^2/\text{NDF}: 261900.3/22$

Left: -17.481 ± 0.015 $\chi^2/\text{NDF}: 582155.3/47$

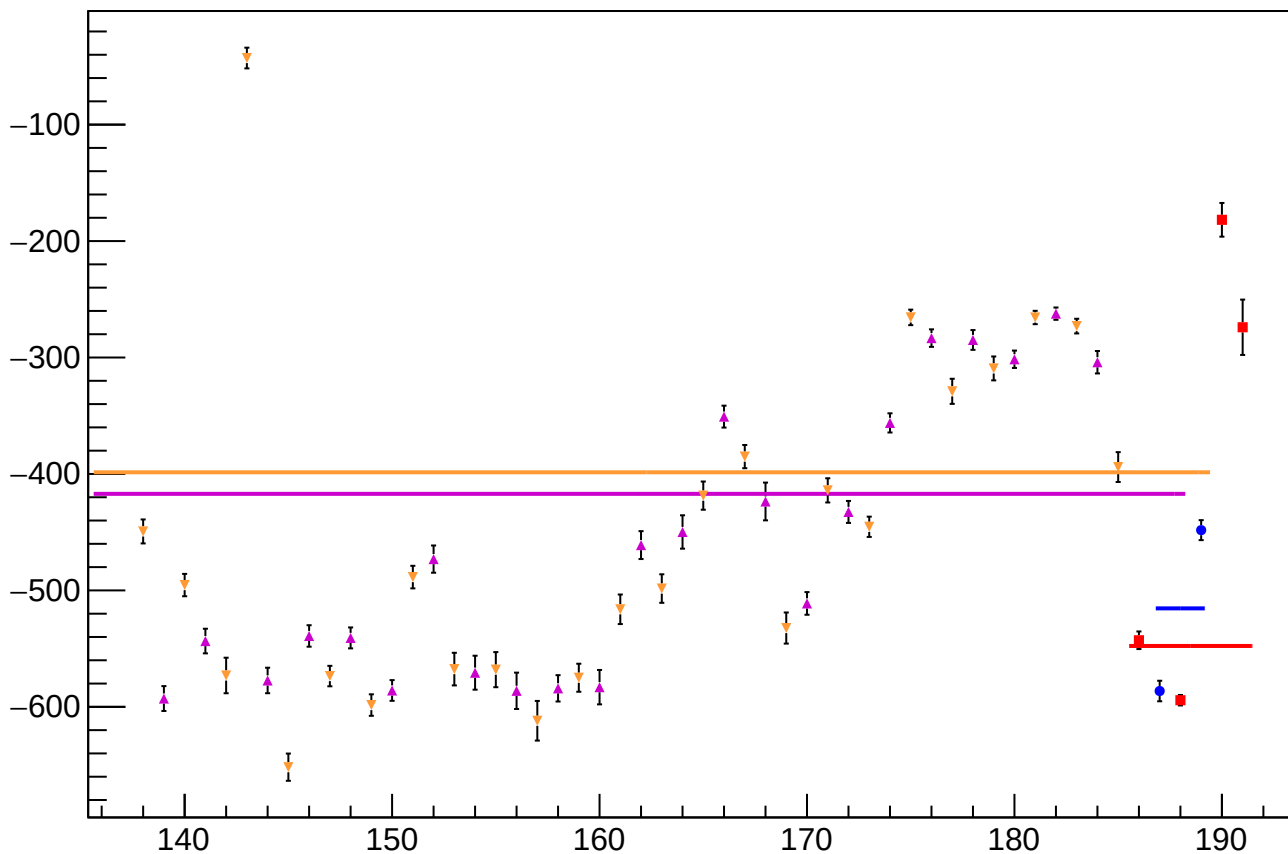
Right: -8.501 ± 0.037 $\chi^2/\text{NDF}: 1154376.8/41$

In: -16.325 ± 0.019 $\chi^2/\text{NDF}: 870338.1/41$

Out: -16.274 ± 0.019 $\chi^2/\text{NDF}: 916652.0/47$

All: -16.299 ± 0.014 $\chi^2/\text{NDF}: 1786993.6/89$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -515.432 ± 6.149 χ^2/NDF : 126.1/1

Left Out: -398.556 ± 1.962 χ^2/NDF : 5659.5/24

Right Out: -547.713 ± 3.681 χ^2/NDF : 880.1/3

Left In: -417.080 ± 1.997 χ^2/NDF : 3958.5/22

Left: -407.653 ± 1.399 χ^2/NDF : 9661.9/47

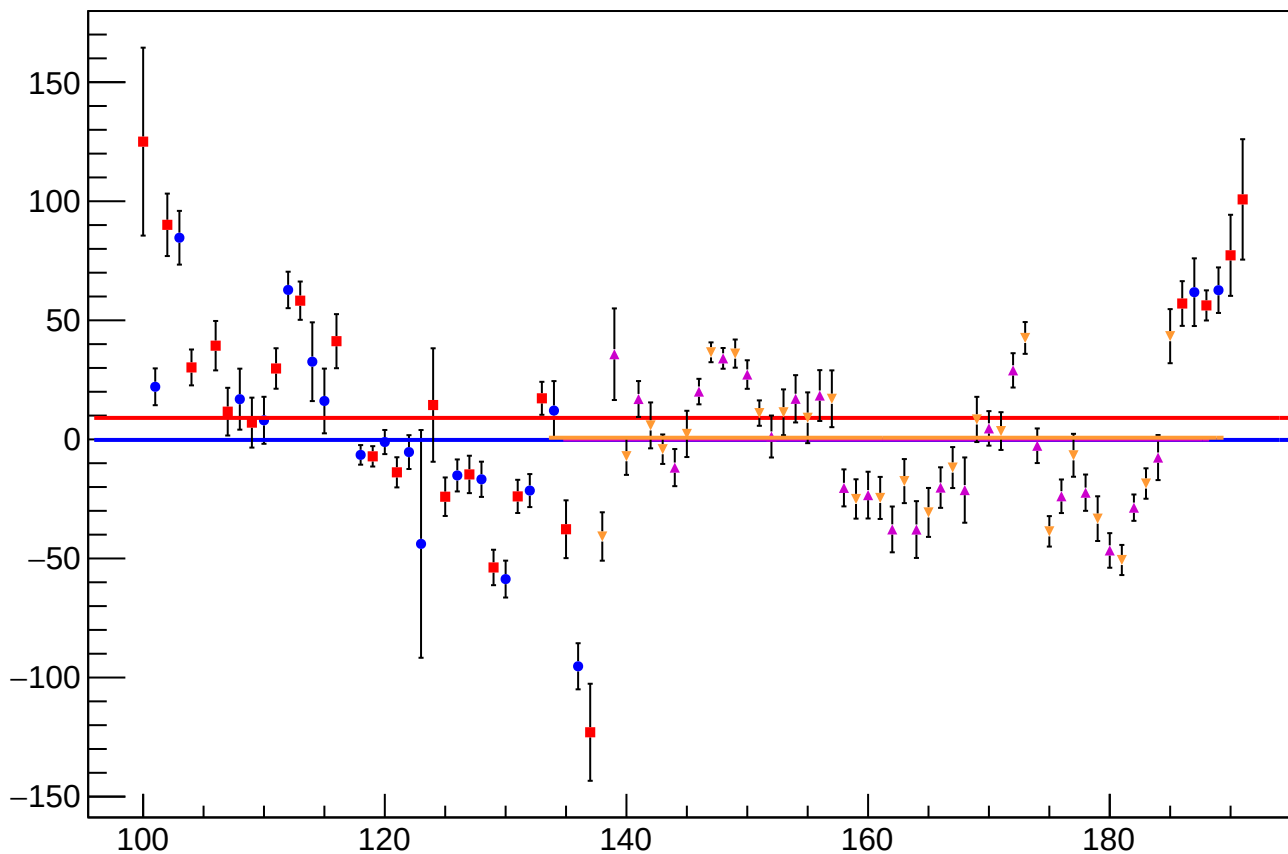
Right: -539.194 ± 3.159 χ^2/NDF : 1026.5/5

In: -426.463 ± 1.899 χ^2/NDF : 4316.1/24

Out: -431.538 ± 1.731 χ^2/NDF : 7818.2/28

All: -429.235 ± 1.279 χ^2/NDF : 12138.2/53

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.225 ± 1.837 χ^2/NDF : 380.2/18

Left Out: 0.697 ± 1.510 χ^2/NDF : 349.9/24

Right Out: 9.025 ± 1.789 χ^2/NDF : 431.2/22

Left In: -0.052 ± 1.571 χ^2/NDF : 264.1/22

Left: 0.337 ± 1.089 χ^2/NDF : 614.1/47

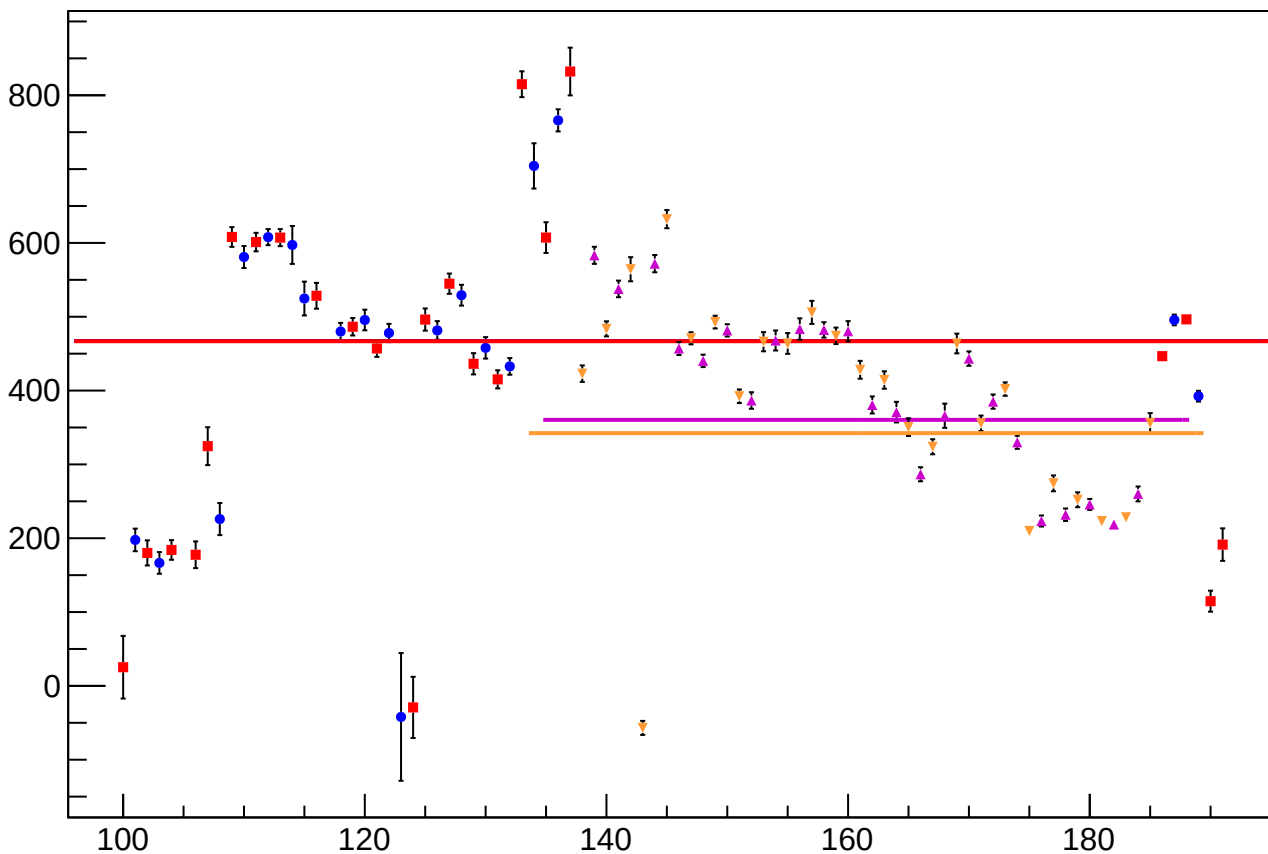
Right: 4.524 ± 1.282 χ^2/NDF : 824.4/41

In: -0.125 ± 1.194 χ^2/NDF : 644.3/41

Out: 4.163 ± 1.154 χ^2/NDF : 793.8/47

All: 2.092 ± 0.830 χ^2/NDF : 1444.8/89

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 467.136 $\pm$ 2.965 χ^2 /NDF: 1759.6/18

Left Out: 342.368 $\pm$ 1.970 χ^2 /NDF: 5181.7/24

Right Out: 466.878 $\pm$ 2.287 χ^2 /NDF: 3139.8/22

Left In: 360.355 $\pm$ 1.996 χ^2 /NDF: 3449.9/22

Left: 351.245 $\pm$ 1.402 χ^2 /NDF: 8672.8/47

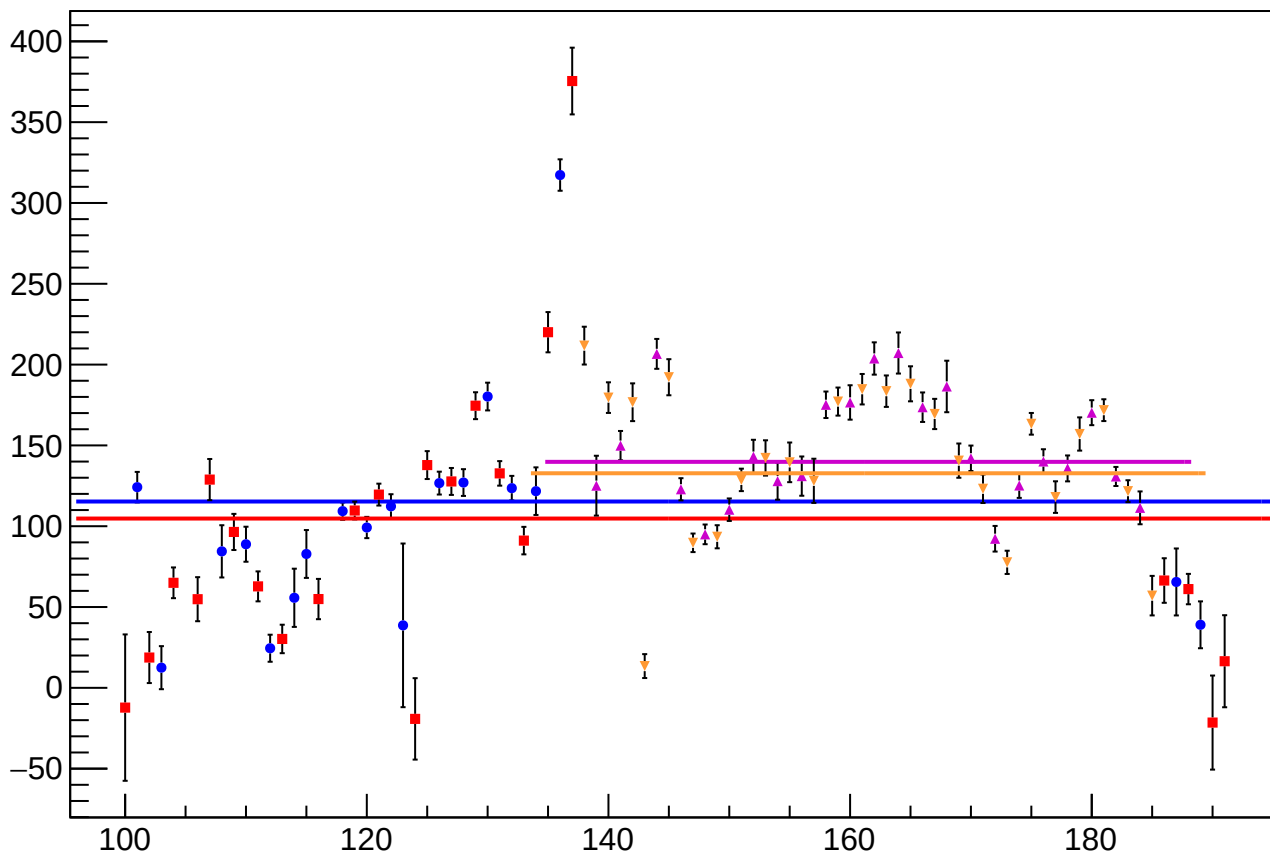
Right: 466.974 $\pm$ 1.811 χ^2 /NDF: 4899.4/41

In: 393.652 $\pm$ 1.655 χ^2 /NDF: 6102.4/41

Out: 395.399 $\pm$ 1.492 χ^2 /NDF: 10023.2/47

All: 394.616 $\pm$ 1.108 χ^2 /NDF: 16126.2/89

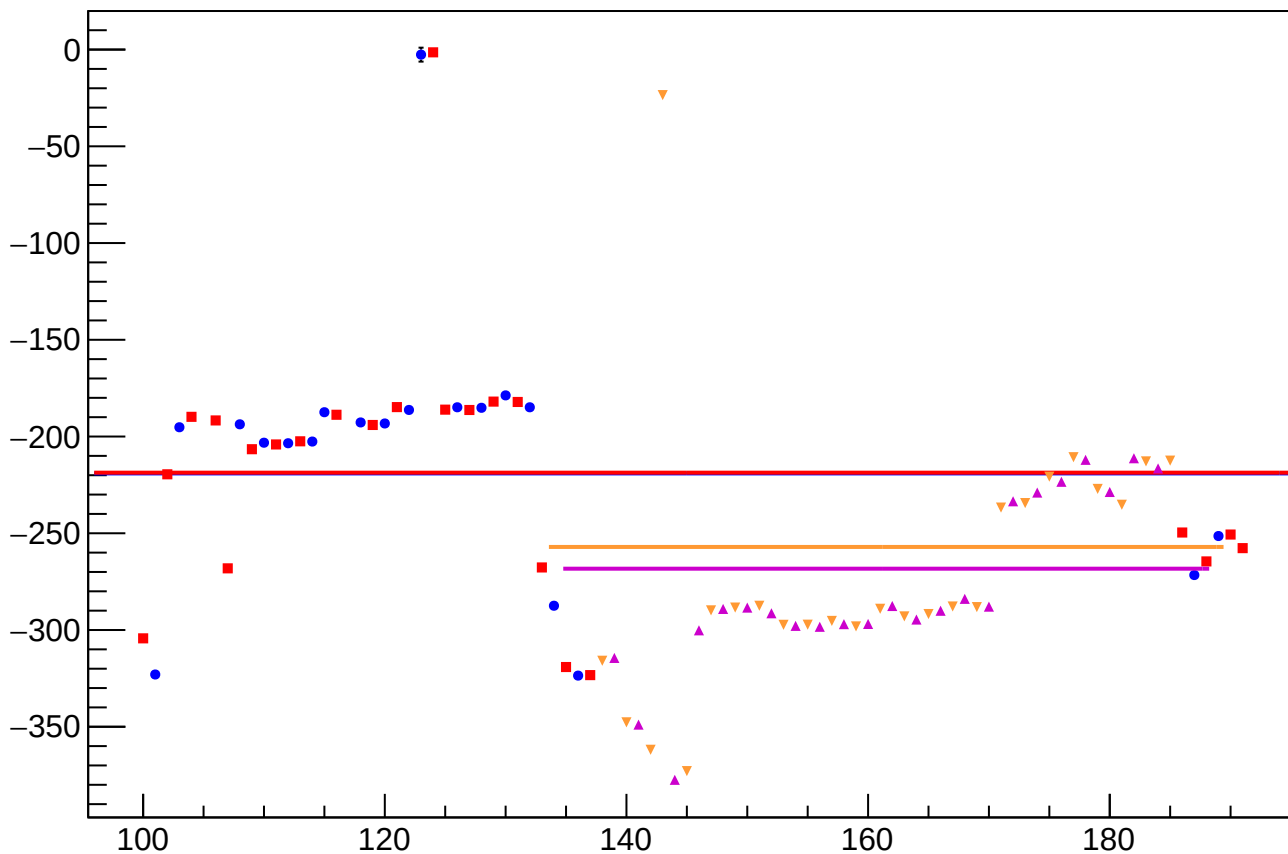
reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 115.283 ± 2.156 $\chi^2/\text{NDF}: 741.4/18$
 Left Out: 132.762 ± 1.736 $\chi^2/\text{NDF}: 749.6/24$
 Right Out: 104.746 ± 2.114 $\chi^2/\text{NDF}: 633.3/22$
 Left In: 139.828 ± 1.790 $\chi^2/\text{NDF}: 321.7/22$

Left: 136.187 ± 1.246 $\chi^2/\text{NDF}: 1079.3/47$
 Right: 109.910 ± 1.510 $\chi^2/\text{NDF}: 1386.9/41$
 In: 129.817 ± 1.377 $\chi^2/\text{NDF}: 1139.8/41$
 Out: 121.481 ± 1.341 $\chi^2/\text{NDF}: 1487.8/47$
 All: 125.540 ± 0.961 $\chi^2/\text{NDF}: 2646.4/89$

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -219.062 ± 0.132 $\chi^2/\text{NDF}: 152018.9/18$

Left Out: -257.067 ± 0.082 $\chi^2/\text{NDF}: 665762.3/24$

Right Out: -218.678 ± 0.122 $\chi^2/\text{NDF}: 132670.2/22$

Left In: -268.305 ± 0.083 $\chi^2/\text{NDF}: 264853.3/22$

Left: -262.619 ± 0.059 $\chi^2/\text{NDF}: 939831.3/47$

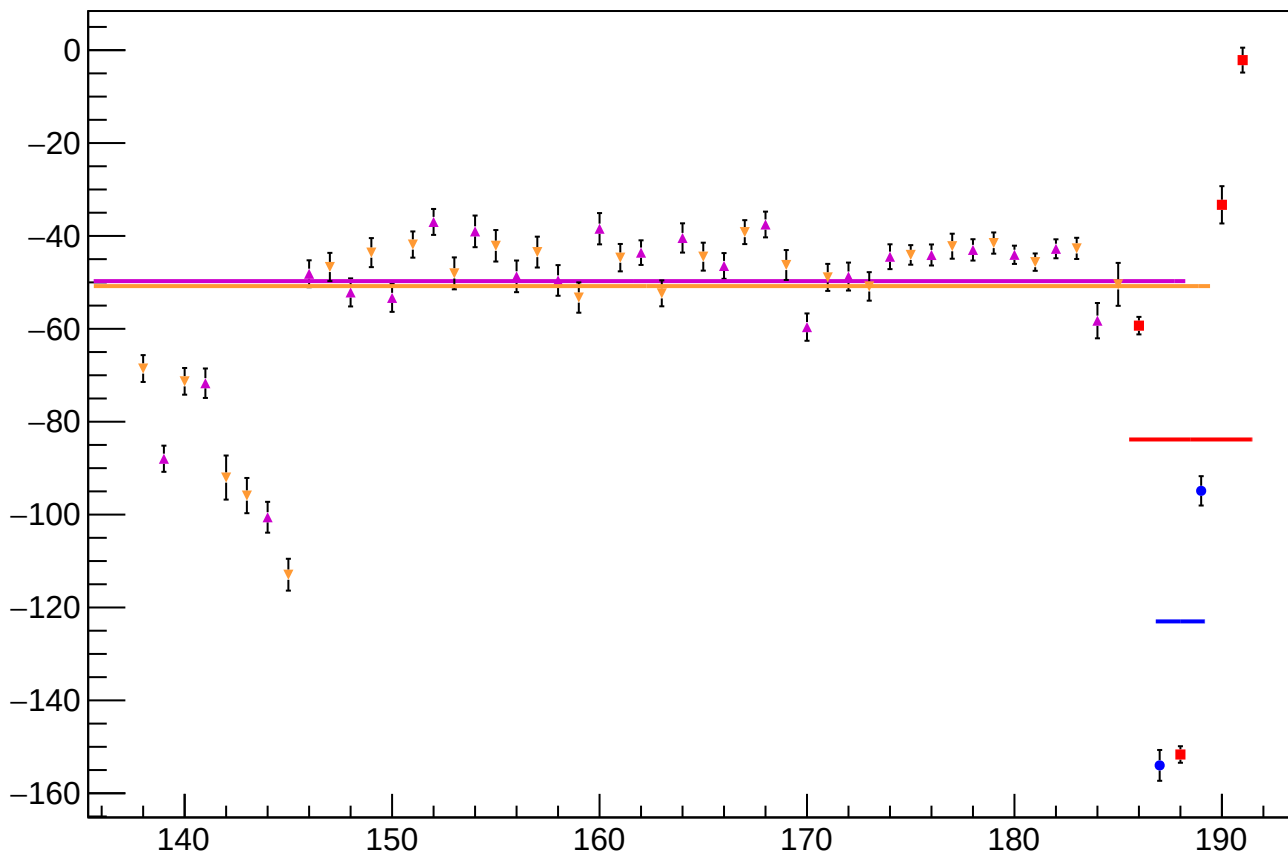
Right: -218.855 ± 0.089 $\chi^2/\text{NDF}: 284693.6/41$

In: -254.236 ± 0.070 $\chi^2/\text{NDF}: 516797.4/41$

Out: -245.033 ± 0.068 $\chi^2/\text{NDF}: 866677.0/47$

All: -249.488 ± 0.049 $\chi^2/\text{NDF}: 1392296.7/89$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -122.997 ± 2.288 $\chi^2/\text{NDF}: 166.5/1$

Left Out: -50.802 ± 0.574 $\chi^2/\text{NDF}: 752.7/24$

Right Out: -83.826 ± 1.119 $\chi^2/\text{NDF}: 2708.2/3$

Left In: -49.728 ± 0.581 $\chi^2/\text{NDF}: 601.0/22$

Left: -50.272 ± 0.408 $\chi^2/\text{NDF}: 1355.3/47$

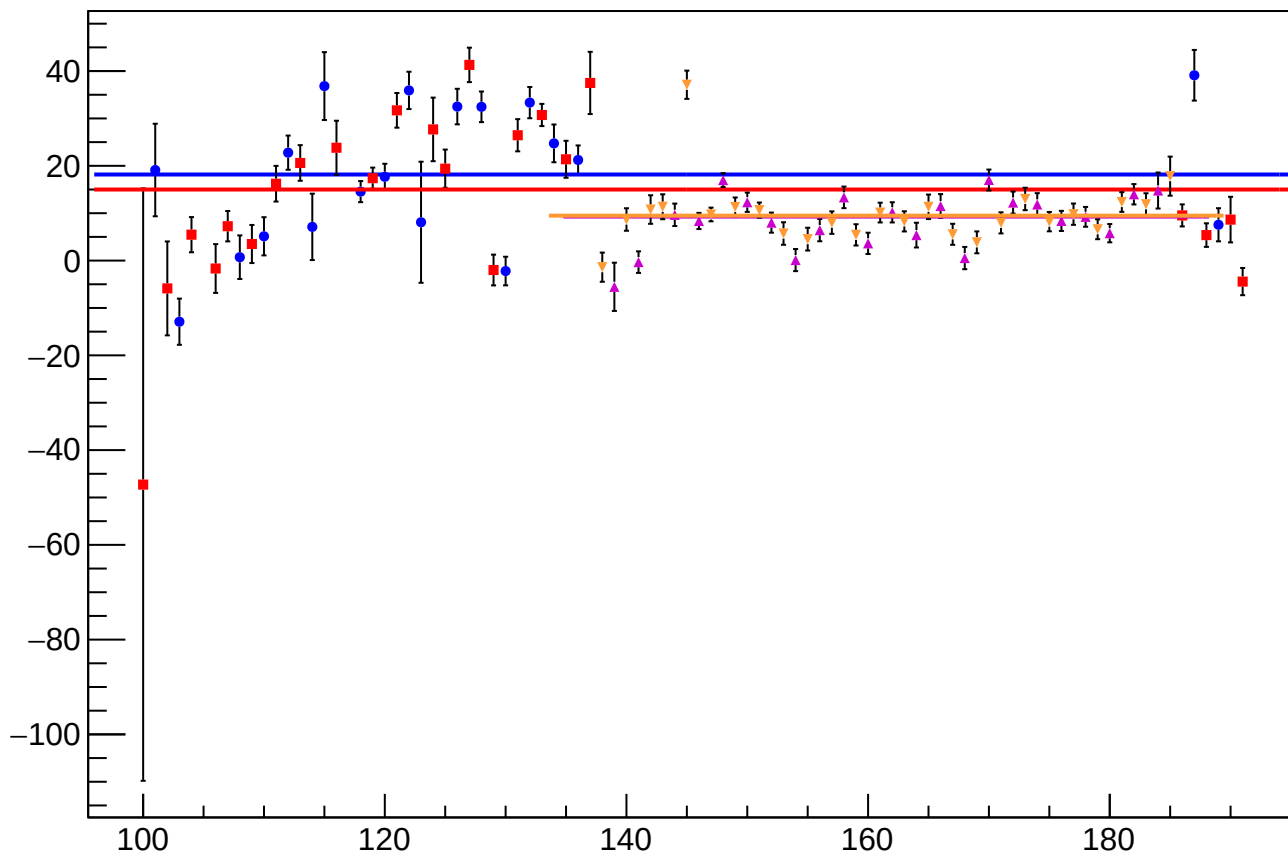
Right: -91.390 ± 1.006 $\chi^2/\text{NDF}: 3111.1/5$

In: -54.173 ± 0.564 $\chi^2/\text{NDF}: 1730.5/24$

Out: -57.674 ± 0.511 $\chi^2/\text{NDF}: 4150.0/28$

All: -56.095 ± 0.378 $\chi^2/\text{NDF}: 5901.8/53$

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.168 $\pm$ 0.865 χ^2 /NDF: 229.1/18

Left Out: 9.483 $\pm$ 0.447 χ^2 /NDF:133.0/24

Right Out: 14.999 $\pm$ 0.735 χ^2 /NDF: 286.6/22

Left In: 9.289 $\pm$ 0.461 χ^2 /NDF:125.6/22

Left: 9.389 $\pm$ 0.321 χ^2 /NDF: 258.8/47

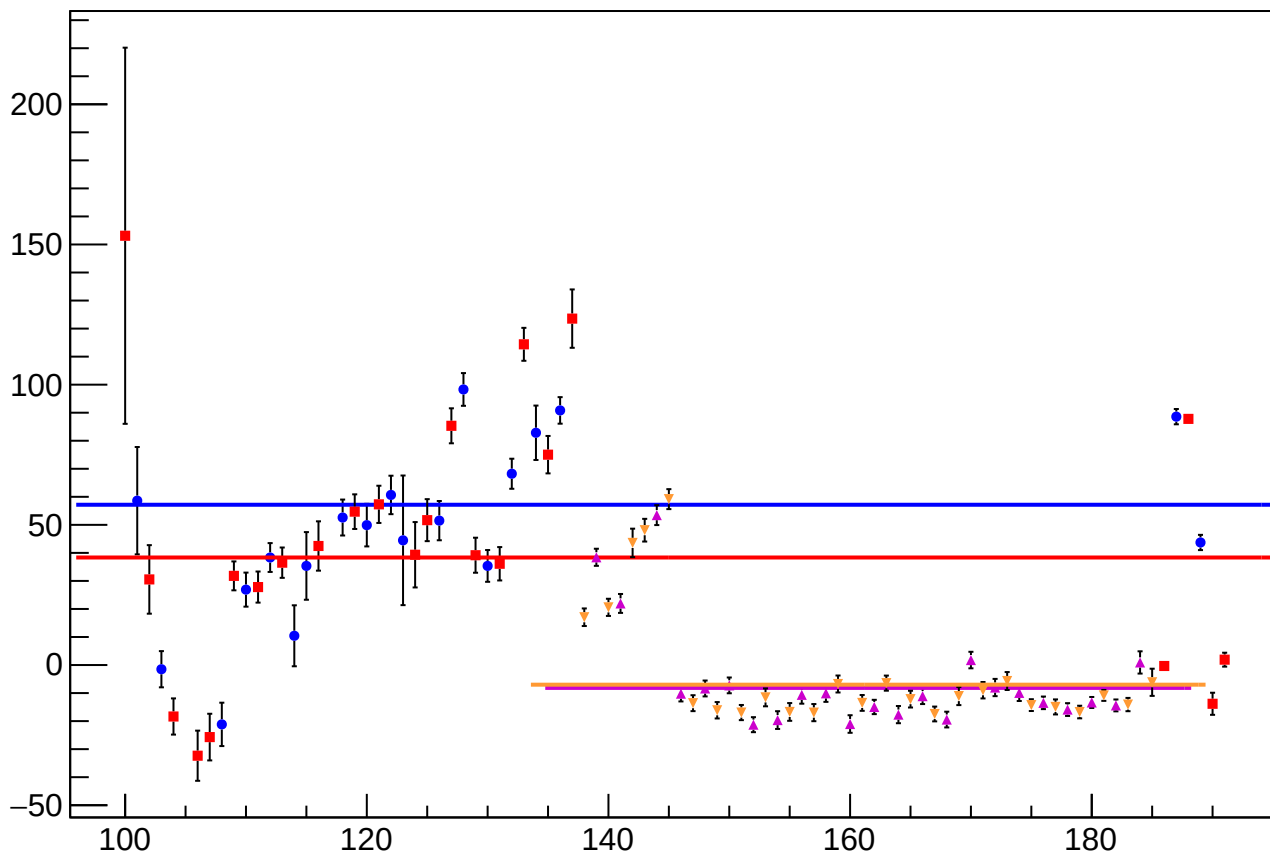
Right: 16.328 $\pm$ 0.560 χ^2 /NDF: 523.5/41

In: 11.250 $\pm$ 0.407 χ^2 /NDF:436.8/41

Out: 10.971 $\pm$ 0.382 χ^2 /NDF:460.8/47

All: 11.102 $\pm$ 0.278 χ^2 /NDF: 897.9/89

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 57.168 $\pm$ 1.260 χ^2 /NDF: 531.3/18

Left Out: -7.007 $\pm$ 0.572 χ^2 /NDF: 899.2/24

Right Out: 38.356 $\pm$ 0.806 χ^2 /NDF: 2780.7/22

Left In: -8.158 $\pm$ 0.578 χ^2 /NDF: 753.9/22

Left: -7.577 $\pm$ 0.406 χ^2 /NDF: 1655.2/47

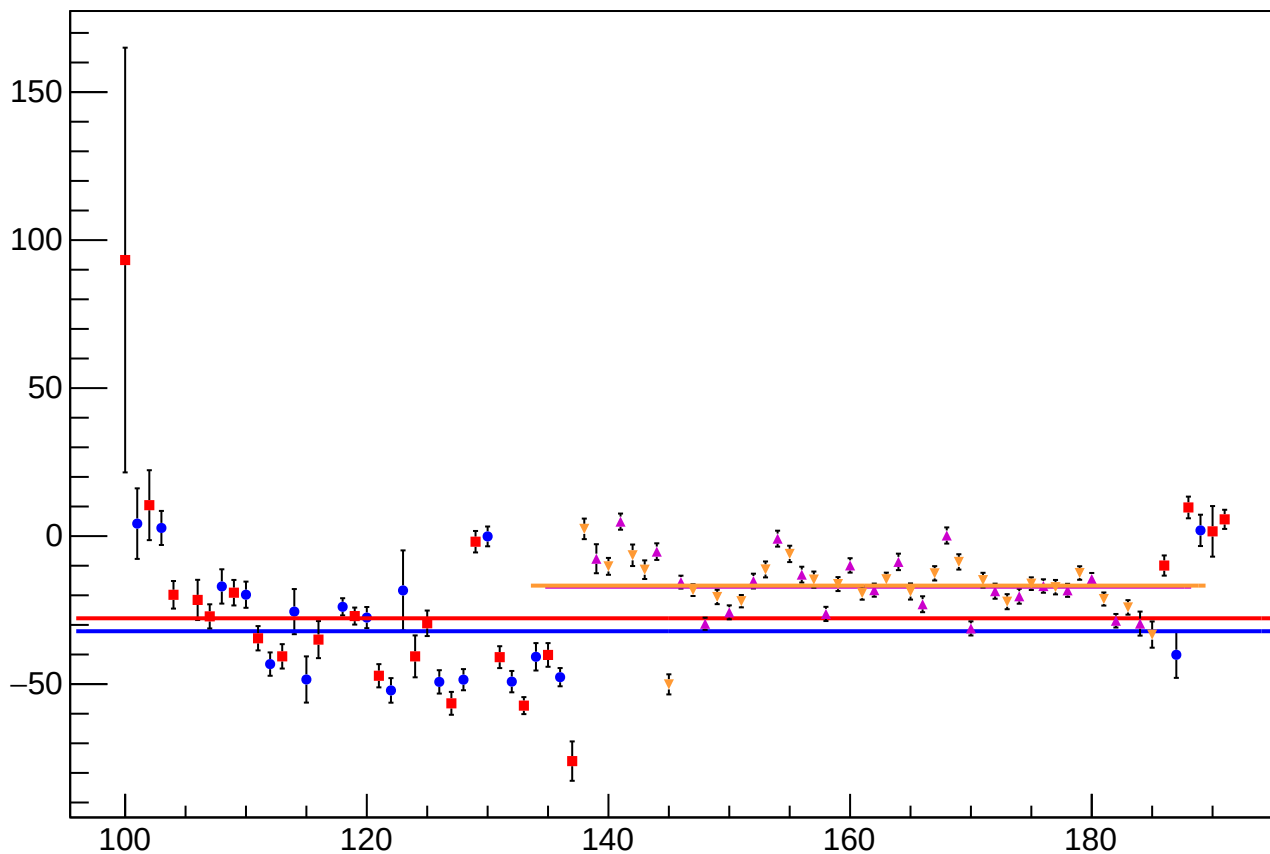
Right: 43.815 $\pm$ 0.679 χ^2 /NDF: 3470.2/41

In: 3.183 $\pm$ 0.525 χ^2 /NDF: 3505.4/41

Out: 8.187 $\pm$ 0.466 χ^2 /NDF: 5787.1/47

All: 5.980 $\pm$ 0.349 χ^2 /NDF: 9343.3/89

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.134 ± 1.005 χ^2/NDF : 332.8/18

Left Out: -16.727 ± 0.508 χ^2/NDF : 223.3/24

Right Out: -27.765 ± 0.882 χ^2/NDF : 599.8/22

Left In: -17.100 ± 0.520 χ^2/NDF : 328.1/22

Left: -16.909 ± 0.363 χ^2/NDF : 551.7/47

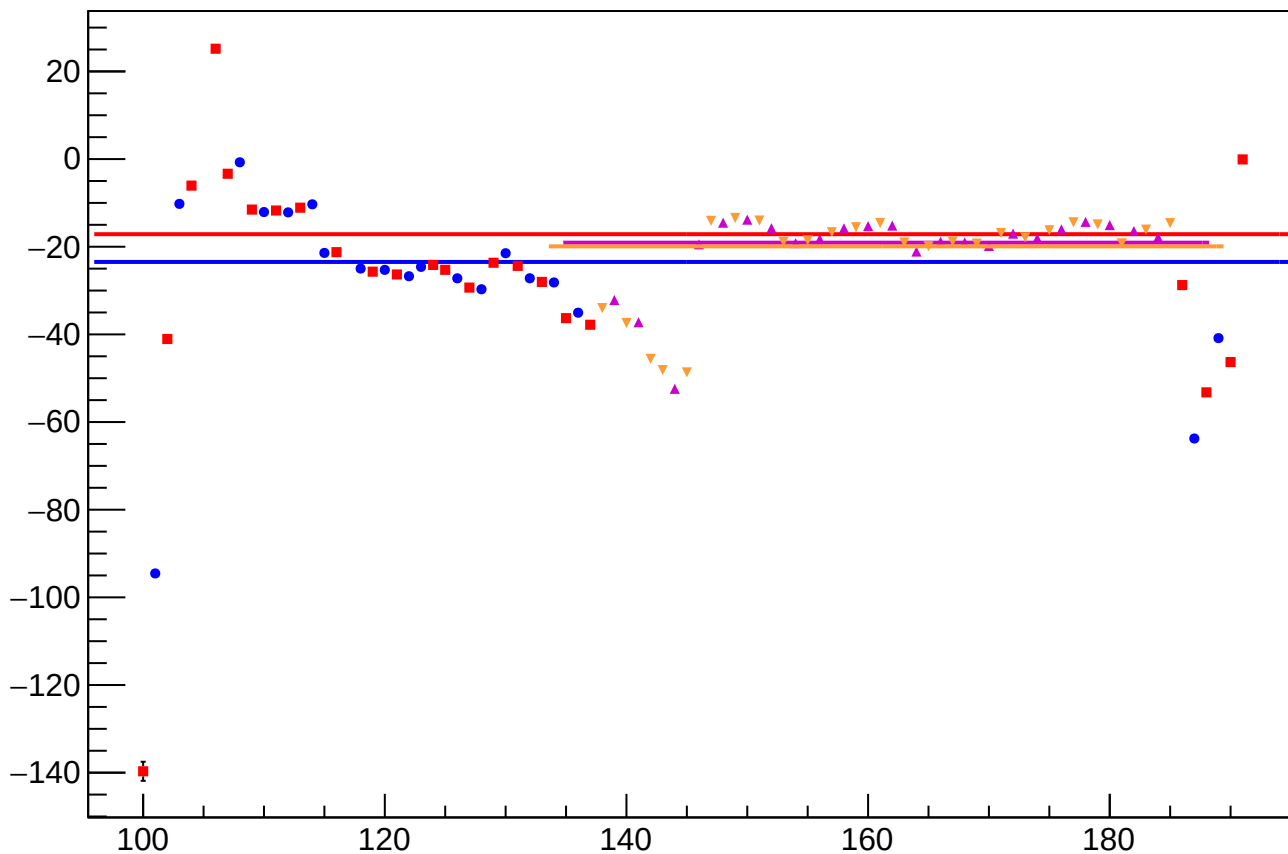
Right: -29.665 ± 0.663 χ^2/NDF : 943.3/41

In: -20.277 ± 0.462 χ^2/NDF : 837.2/41

Out: -19.474 ± 0.440 χ^2/NDF : 940.7/47

All: -19.856 ± 0.319 χ^2/NDF : 1779.6/89

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -23.471 $\pm$ 0.056 χ^2 /NDF: 65016.6/18

Left Out: -19.915 $\pm$ 0.023 χ^2 /NDF: 141090.6/24

Right Out: -17.140 $\pm$ 0.045 χ^2 /NDF: 174546.9/22

Left In: -19.068 $\pm$ 0.024 χ^2 /NDF: 92702.3/22

Left: -19.496 $\pm$ 0.017 χ^2 /NDF: 234444.5/47

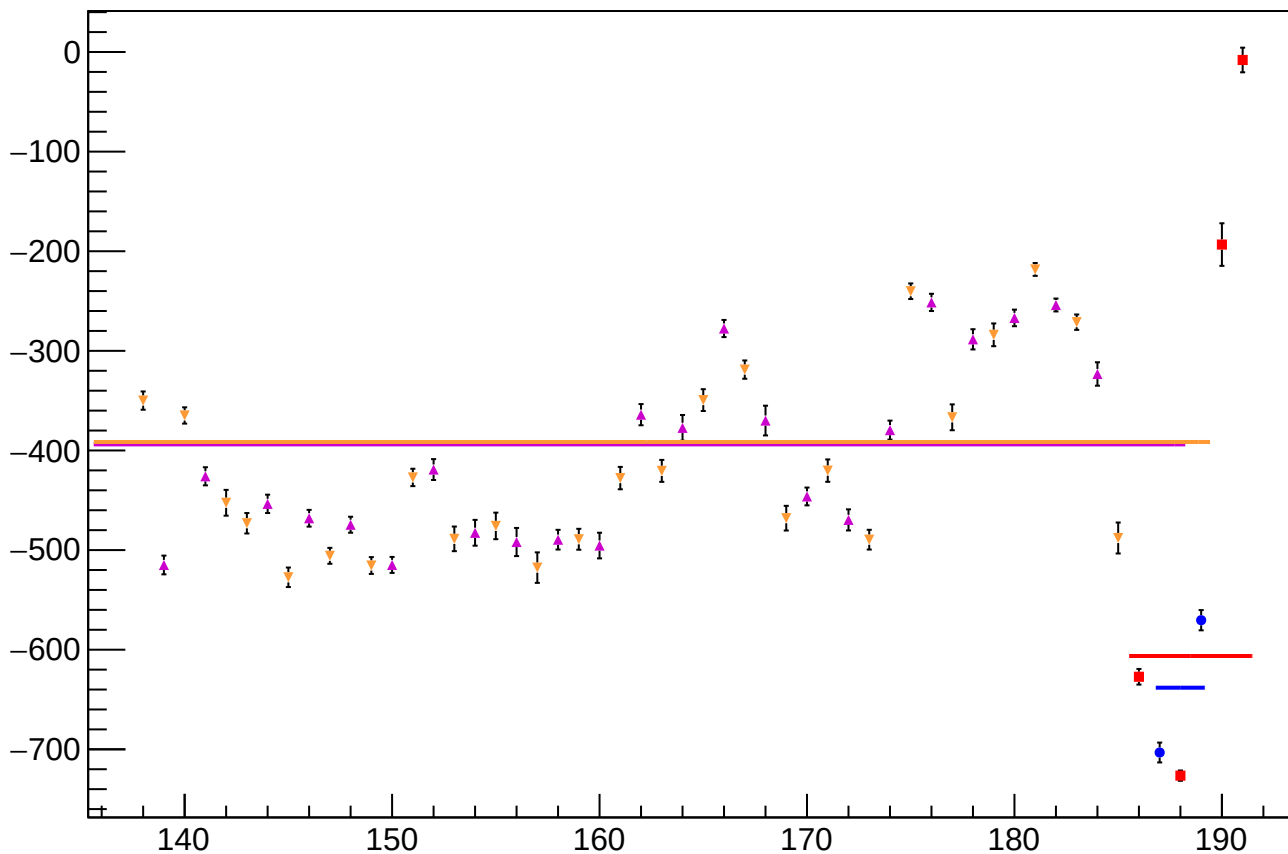
Right: -19.612 $\pm$ 0.035 χ^2 /NDF: 247305.1/41

In: -19.727 $\pm$ 0.022 χ^2 /NDF: 162941.1/41

Out: -19.326 $\pm$ 0.021 χ^2 /NDF: 318638.6/47

All: -19.517 $\pm$ 0.015 χ^2 /NDF: 481758.5/89

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -638.143+/-7.117 χ^2/NDF : 87.0/1

Left Out: -391.476+/-1.973 χ^2/NDF :2708.6/24

Right Out: -606.323+/-4.010 χ^2/NDF : 3258.9/3

Left In: -393.904+/-1.998 χ^2/NDF :2280.8/22

Left: -392.674+/-1.404 χ^2/NDF : 4990.1/47

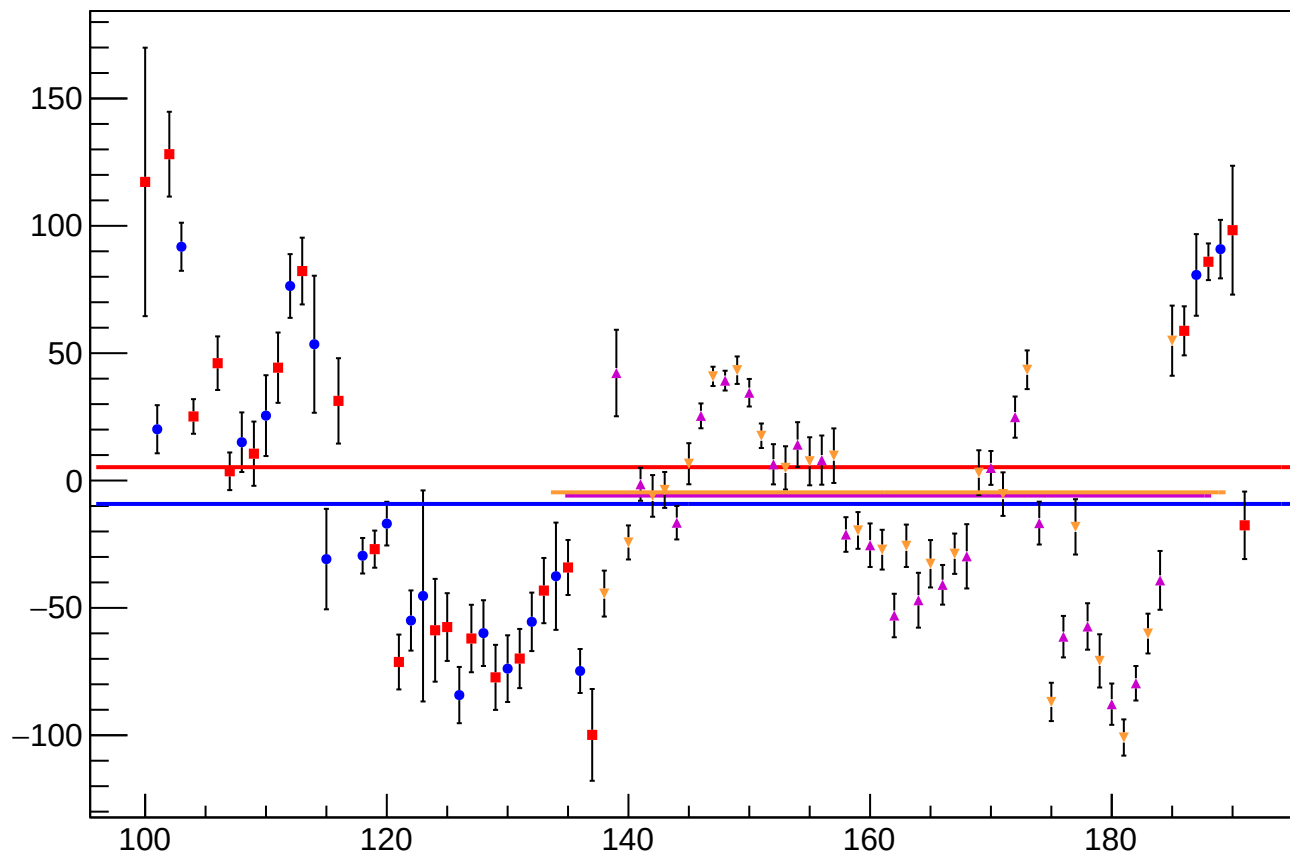
Right: -613.989+/-3.493 χ^2/NDF : 3361.1/5

In: -411.744+/-1.923 χ^2/NDF :3459.5/24

Out: -433.338+/-1.770 χ^2/NDF :8279.1/28

All: -423.437+/-1.302 χ^2/NDF : 11806.9/53

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -9.186 ± 2.666 $\chi^2/\text{NDF}: 480.8/18$

Left Out: -4.635 ± 1.467 $\chi^2/\text{NDF}: 771.4/24$

Right Out: 5.250 ± 2.333 $\chi^2/\text{NDF}: 573.9/22$

Left In: -5.906 ± 1.513 $\chi^2/\text{NDF}: 657.5/22$

Left: -5.251 ± 1.053 $\chi^2/\text{NDF}: 1429.3/47$

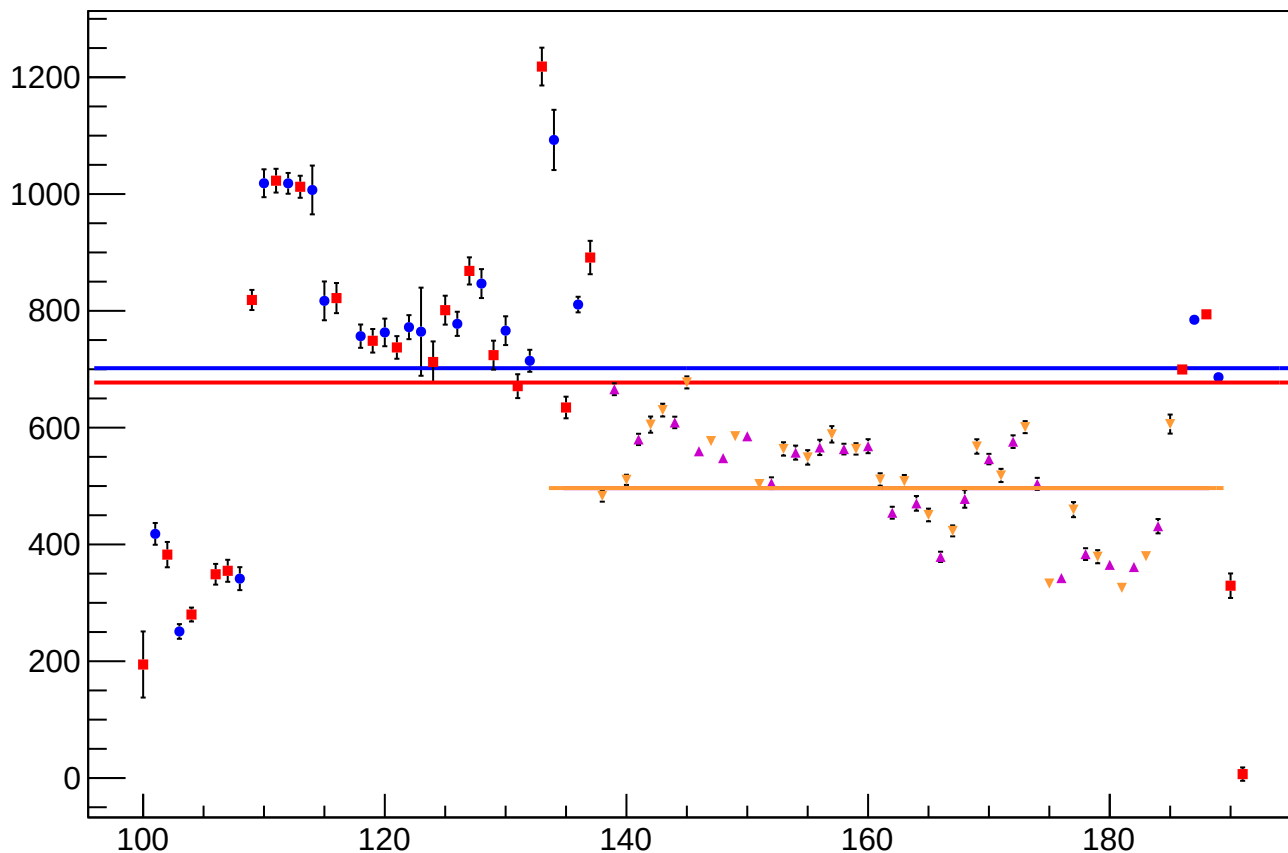
Right: -1.011 ± 1.755 $\chi^2/\text{NDF}: 1071.3/41$

In: -6.705 ± 1.316 $\chi^2/\text{NDF}: 1139.4/41$

Out: -1.833 ± 1.242 $\chi^2/\text{NDF}: 1358.2/47$

All: -4.128 ± 0.903 $\chi^2/\text{NDF}: 2504.9/89$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 701.824 $\pm$ 3.827 χ^2/NDF : 2718.9/18

Left Out: 496.535 $\pm$ 1.971 χ^2/NDF : 2589.1/24

Right Out: 677.247 $\pm$ 2.698 χ^2/NDF : 7676.6/22

Left In: 496.393 $\pm$ 1.985 χ^2/NDF : 2295.8/22

Left: 496.465 $\pm$ 1.399 χ^2/NDF : 4884.9/47

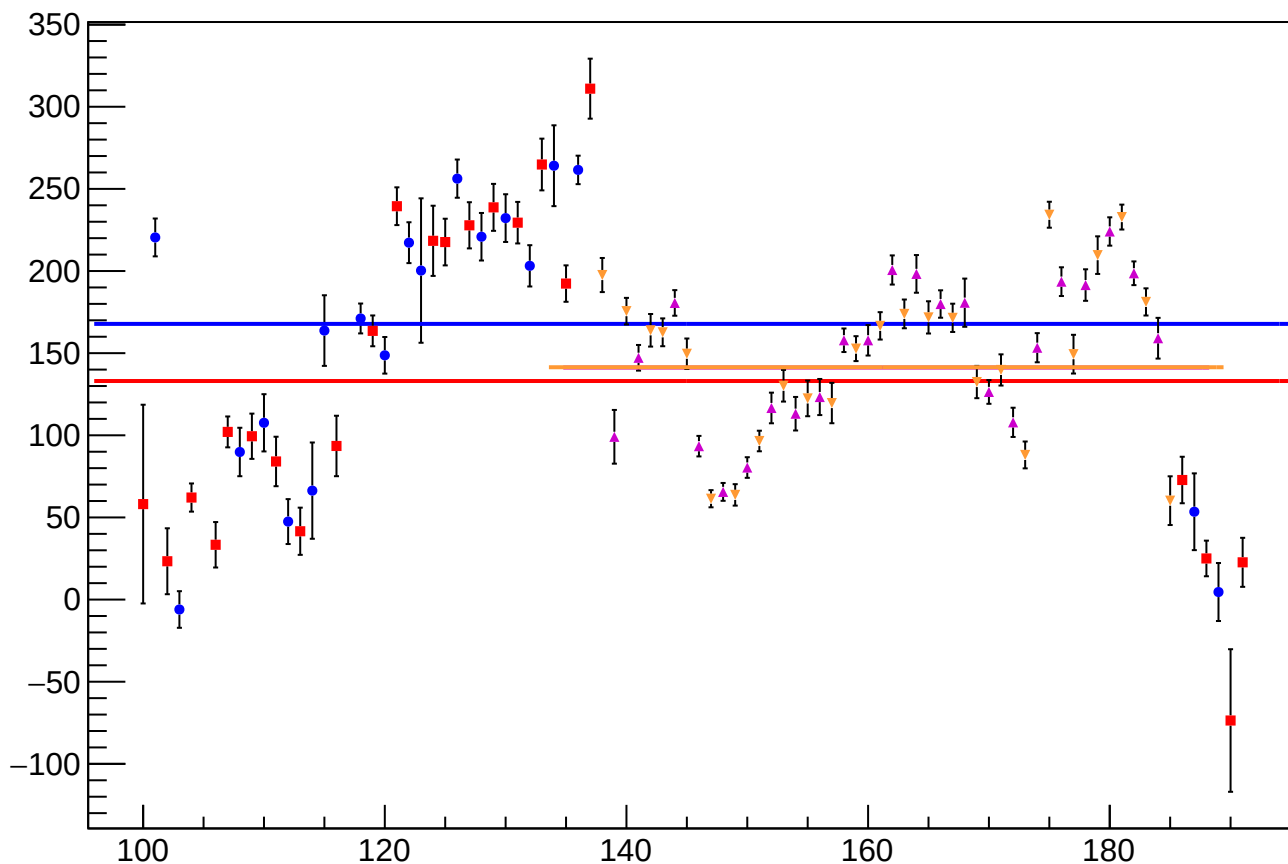
Right: 685.408 $\pm$ 2.205 χ^2/NDF : 10423.0/41

In: 539.956 $\pm$ 1.762 χ^2/NDF : 7284.9/41

Out: 559.415 $\pm$ 1.592 χ^2/NDF : 13190.3/47

All: 550.674 $\pm$ 1.181 χ^2/NDF : 20542.3/89

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 167.817 $\pm$ 3.123 χ^2 /NDF: 753.5/18

Left Out: 141.430 $\pm$ 1.704 χ^2 /NDF:957.7/24

Right Out: 133.047 $\pm$ 2.813 χ^2 /NDF: 918.7/22

Left In: 141.248 $\pm$ 1.744 χ^2 /NDF:744.2/22

Left: 141.341 $\pm$ 1.219 χ^2 /NDF: 1701.9/47

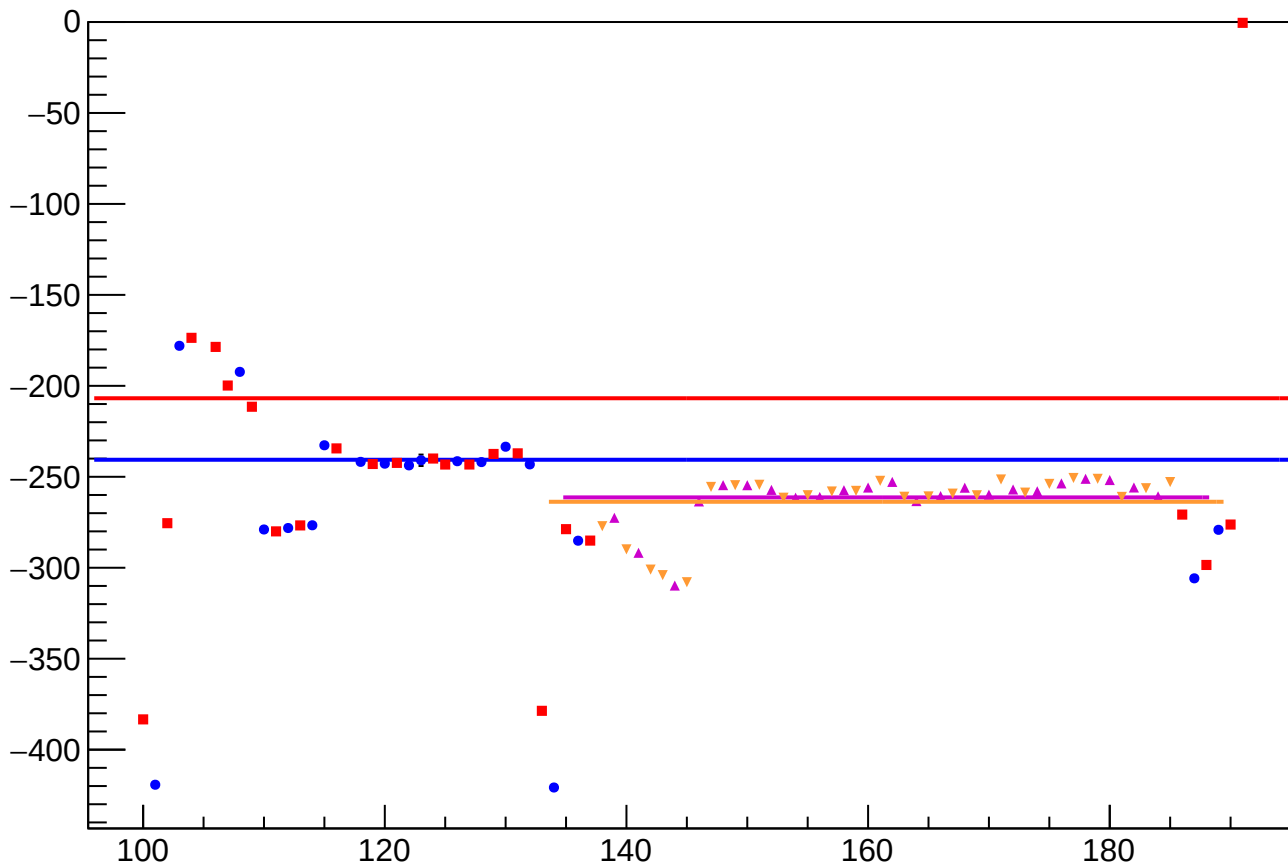
Right: 148.621 $\pm$ 2.090 χ^2 /NDF: 1740.6/41

In: 147.563 $\pm$ 1.523 χ^2 /NDF:1552.8/41

Out: 139.180 $\pm$ 1.458 χ^2 /NDF:1883.0/47

All: 143.188 $\pm$ 1.053 χ^2 /NDF: 3451.6/89

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -240.635+/-0.156 χ^2/NDF : 171932.6/18

Left Out: -263.734+/-0.081 χ^2/NDF : 37922.0/24

Right Out: -206.826+/-0.136 χ^2/NDF : 406757.6/22

Left In: -261.325+/-0.082 χ^2/NDF : 23449.2/22

Left: -262.533+/-0.058 χ^2/NDF : 61807.4/47

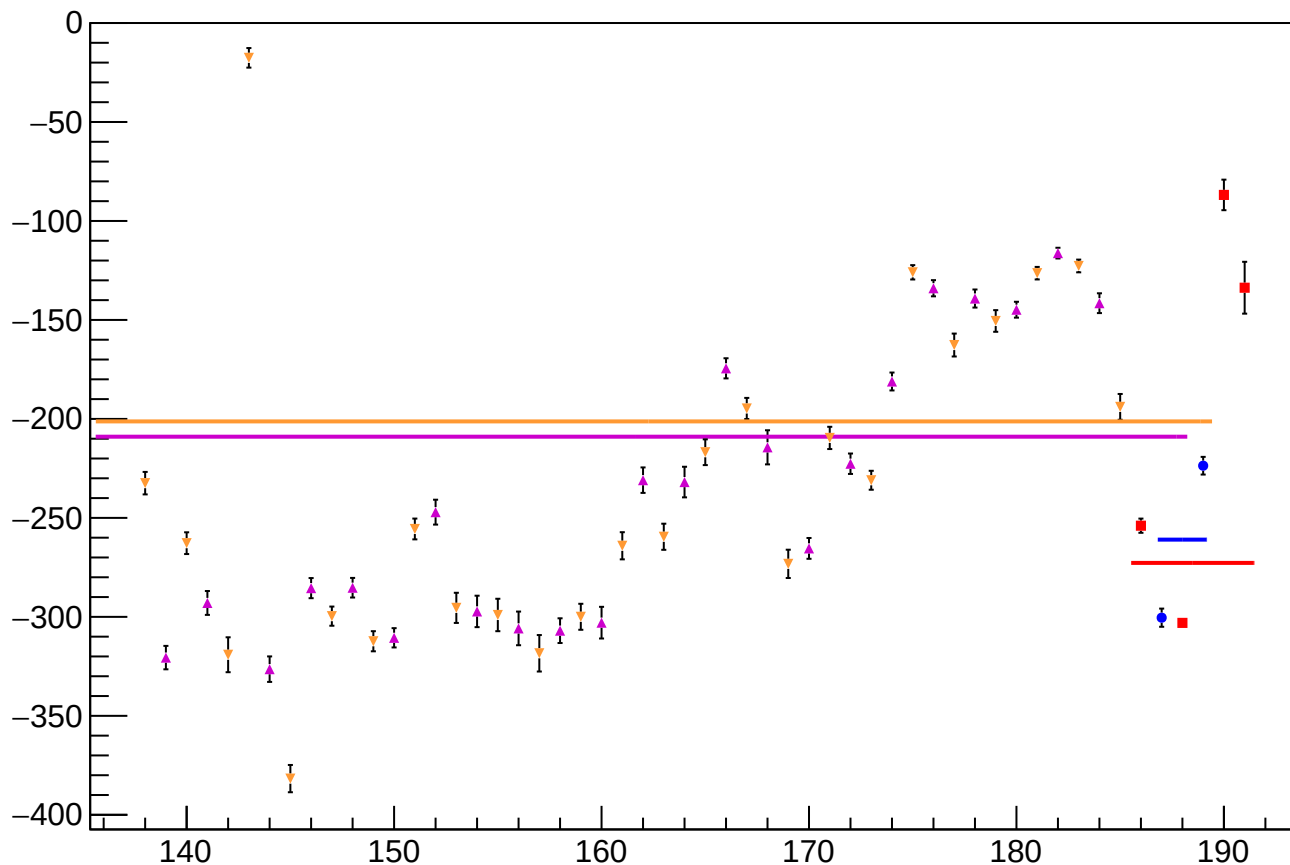
Right: -221.410+/-0.102 χ^2/NDF : 605423.8/41

In: -256.873+/-0.072 χ^2/NDF : 209200.7/41

Out: -248.674+/-0.070 χ^2/NDF : 573808.5/47

All: -252.631+/-0.050 χ^2/NDF : 789656.7/89

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -260.983+/-3.202 χ^2 /NDF: 143.6/1

Left Out: -201.261+/-1.065 χ^2 /NDF:6110.1/24

Right Out: -272.741+/-1.896 χ^2 /NDF: 884.1/3

Left In: -208.981+/-1.078 χ^2 /NDF:4865.2/22

Left: -205.075+/-0.758 χ^2 /NDF: 11001.2/47

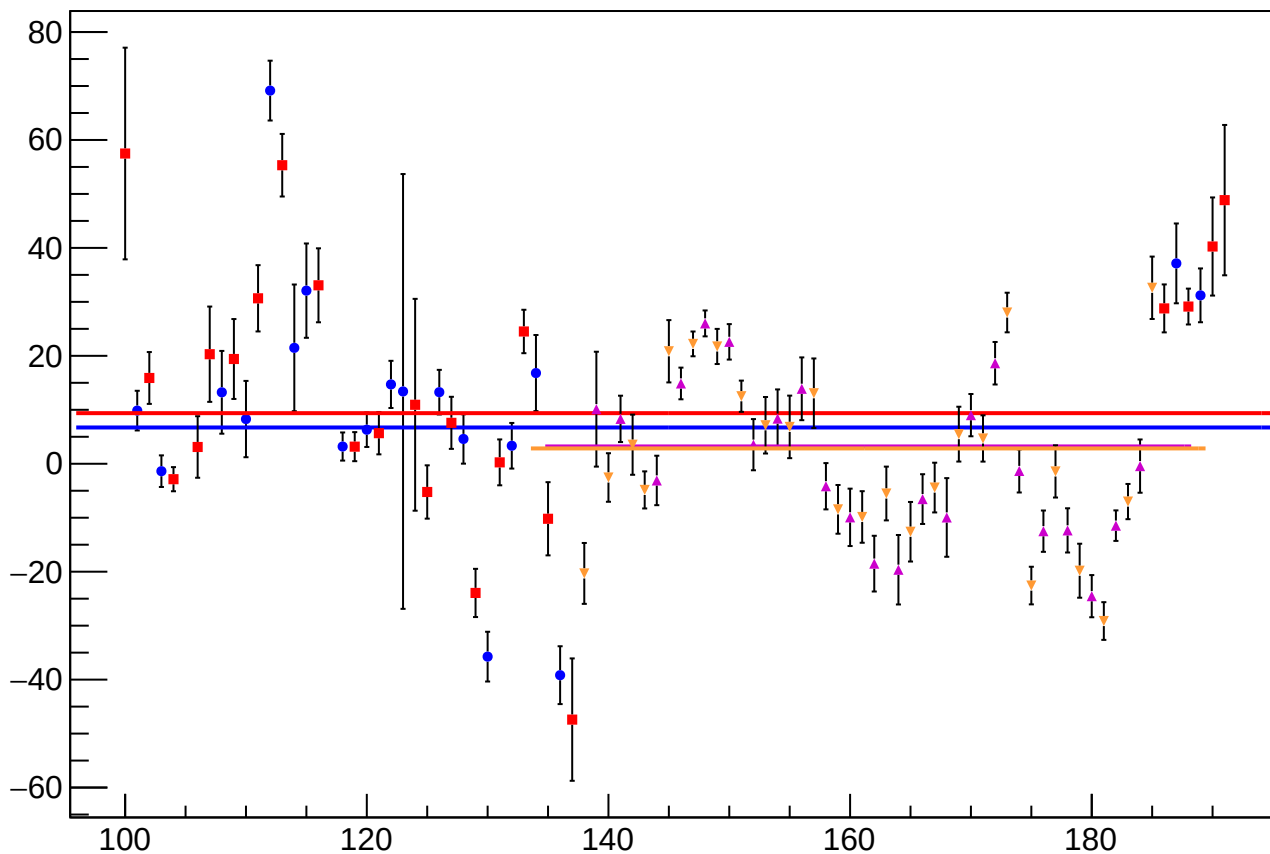
Right: -269.689+/-1.631 χ^2 /NDF: 1037.7/5

In: -214.276+/-1.022 χ^2 /NDF:5245.7/24

Out: -218.418+/-0.929 χ^2 /NDF:8074.5/28

All: -216.544+/-0.687 χ^2 /NDF: 13329.3/53

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.724 ± 1.053 $\chi^2/\text{NDF}: 355.8/18$

Left Out: 2.841 ± 0.824 $\chi^2/\text{NDF}: 420.6/24$

Right Out: 9.378 ± 0.985 $\chi^2/\text{NDF}: 326.0/22$

Left In: 3.208 ± 0.854 $\chi^2/\text{NDF}: 323.8/22$

Left: 3.018 ± 0.593 $\chi^2/\text{NDF}: 744.6/47$

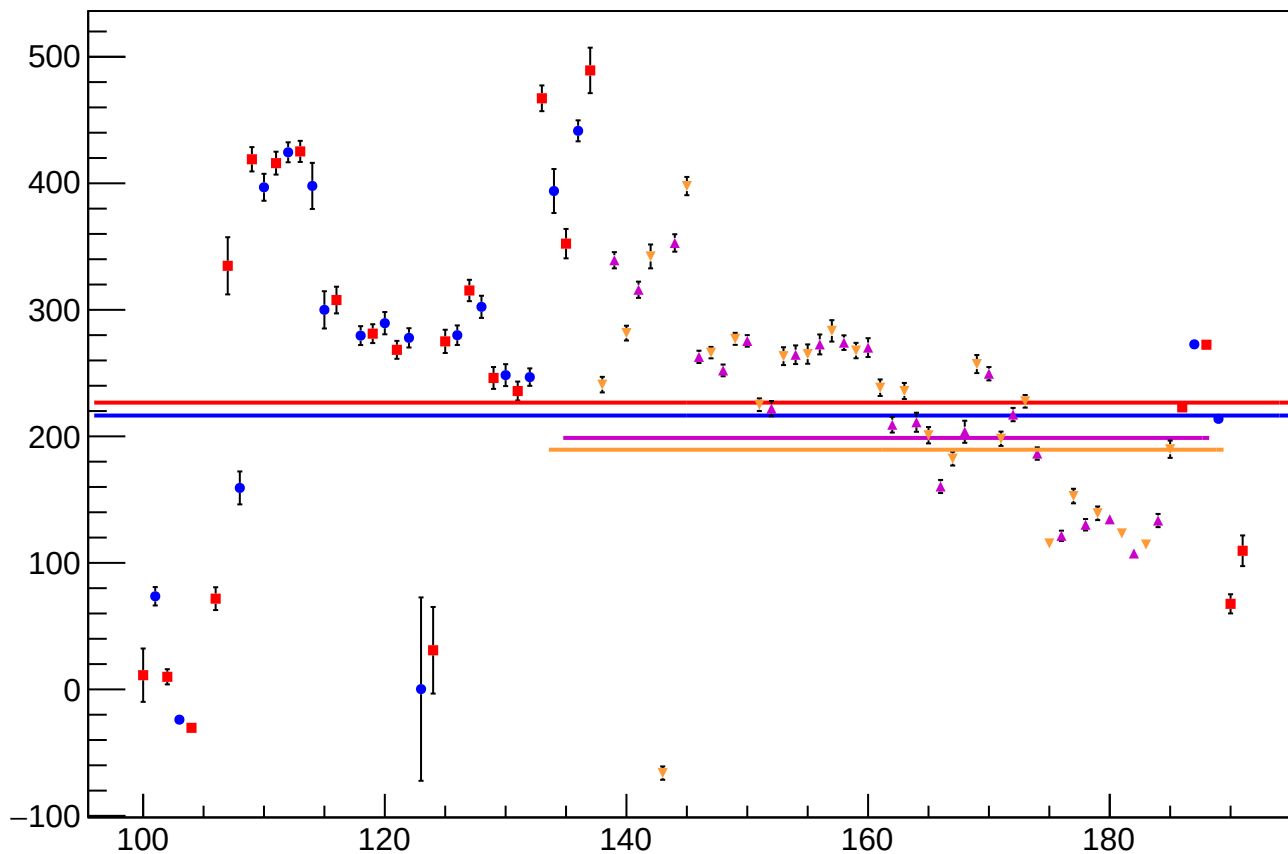
Right: 8.139 ± 0.720 $\chi^2/\text{NDF}: 685.2/41$

In: 4.604 ± 0.663 $\chi^2/\text{NDF}: 686.3/41$

Out: 5.530 ± 0.632 $\chi^2/\text{NDF}: 772.5/47$

All: 5.089 ± 0.458 $\chi^2/\text{NDF}: 1459.9/89$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 216.454+/-1.586 χ^2/NDF : 7032.5/18

Left Out: 189.453+/-1.070 χ^2/NDF : 6649.7/24

Right Out: 226.675+/-1.203 χ^2/NDF : 9637.6/22

Left In: 198.762+/-1.078 χ^2/NDF : 4590.0/22

Left: 194.072+/-0.759 χ^2/NDF : 11277.3/47

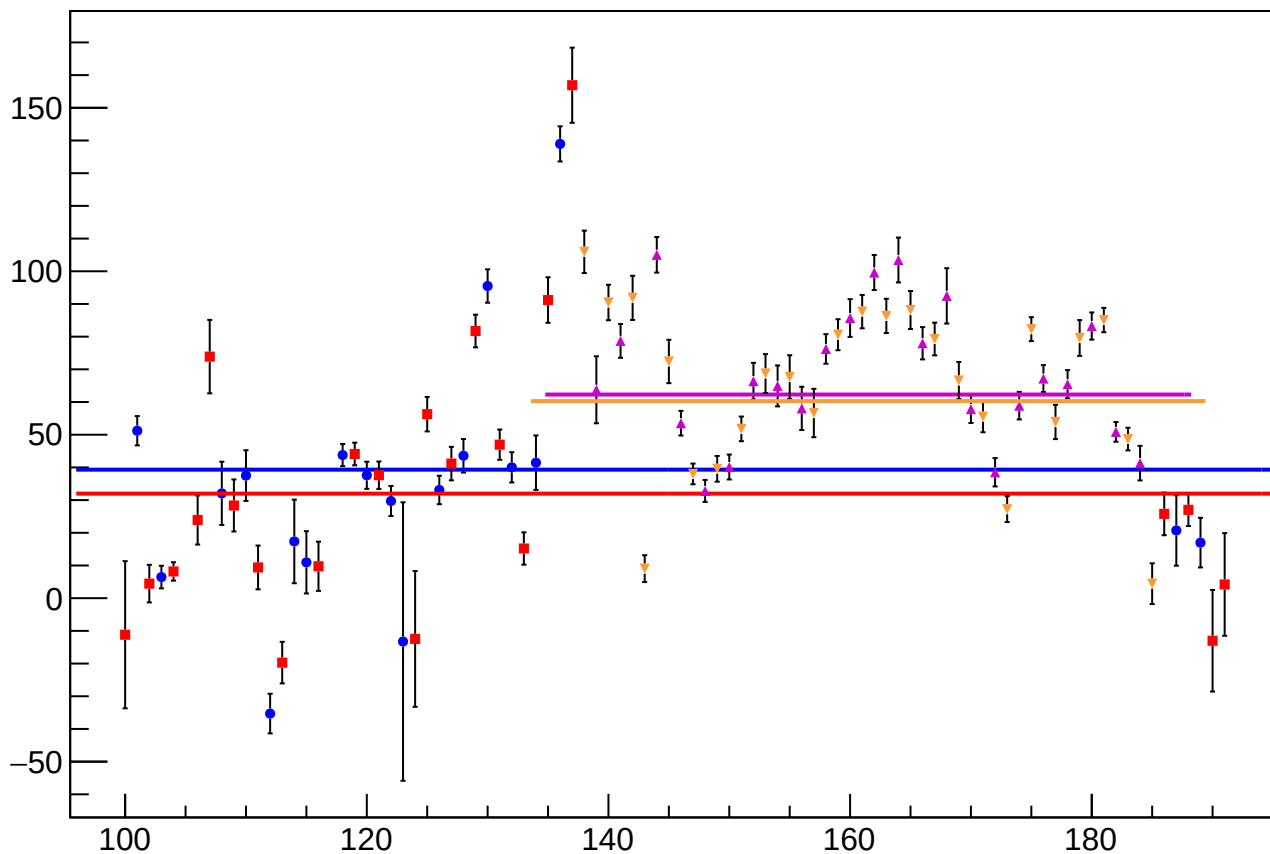
Right: 222.941+/-0.959 χ^2/NDF : 16696.4/41

In: 204.351+/-0.892 χ^2/NDF : 11707.6/41

Out: 205.882+/-0.799 χ^2/NDF : 16821.7/47

All: 205.200+/-0.595 χ^2/NDF : 28530.9/89

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 39.317 ± 1.242 $\chi^2/\text{NDF}: 747.1/18$

Left Out: 60.287 ± 0.945 $\chi^2/\text{NDF}: 714.8/24$

Right Out: 31.984 ± 1.187 $\chi^2/\text{NDF}: 568.2/22$

Left In: 62.290 ± 0.971 $\chi^2/\text{NDF}: 411.6/22$

Left: 61.261 ± 0.677 $\chi^2/\text{NDF}: 1128.6/47$

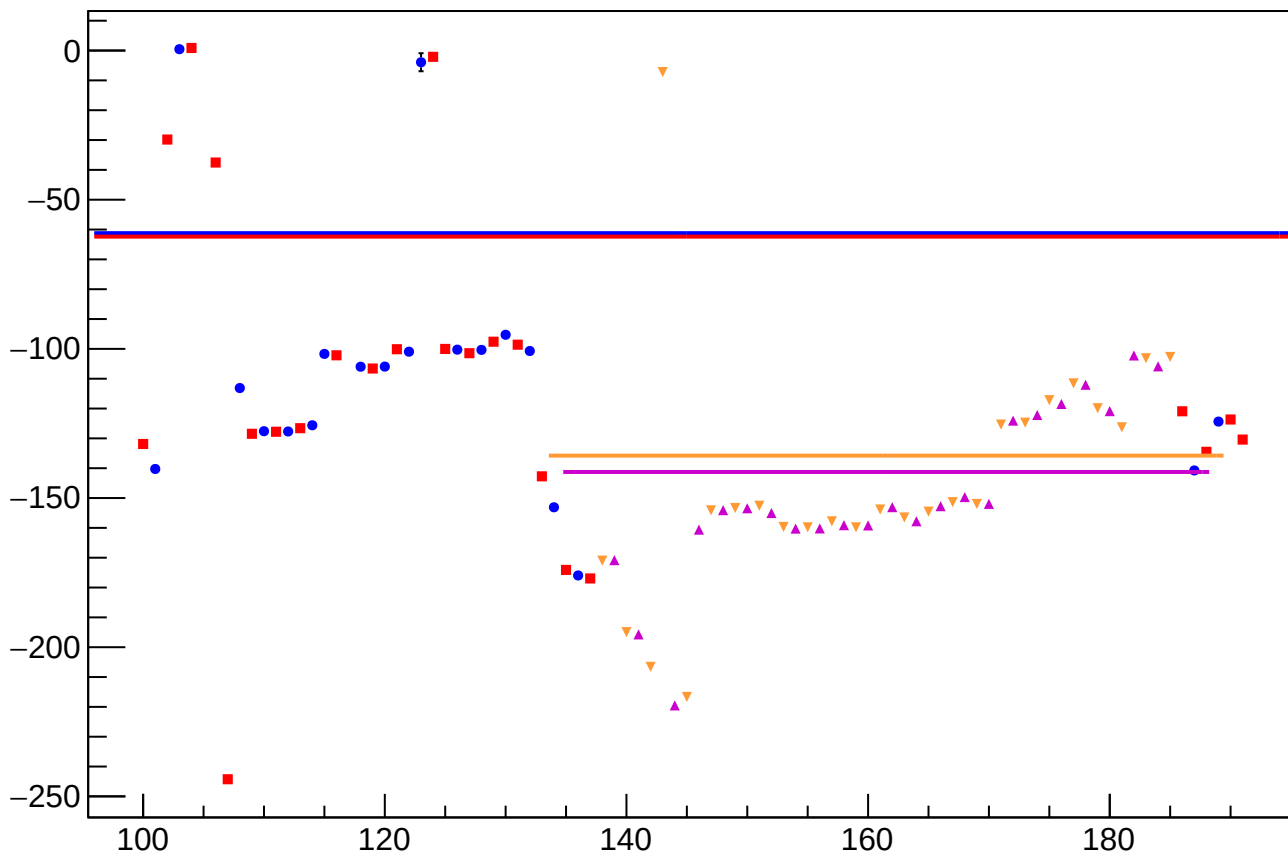
Right: 35.484 ± 0.858 $\chi^2/\text{NDF}: 1333.5/41$

In: 53.571 ± 0.765 $\chi^2/\text{NDF}: 1371.0/41$

Out: 49.305 ± 0.739 $\chi^2/\text{NDF}: 1631.0/47$

All: 51.365 ± 0.532 $\chi^2/\text{NDF}: 3018.1/89$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -61.216 $\pm$ 0.060 χ^2 /NDF: 1162482.8/18

Left Out: -135.775 $\pm$ 0.045 χ^2 /NDF: 742021.1/24

Right Out: -62.374 $\pm$ 0.057 χ^2 /NDF: 1159656.8/22

Left In: -141.259 $\pm$ 0.045 χ^2 /NDF: 350045.9/22

Left: -138.491 $\pm$ 0.032 χ^2 /NDF: 1099530.1/47

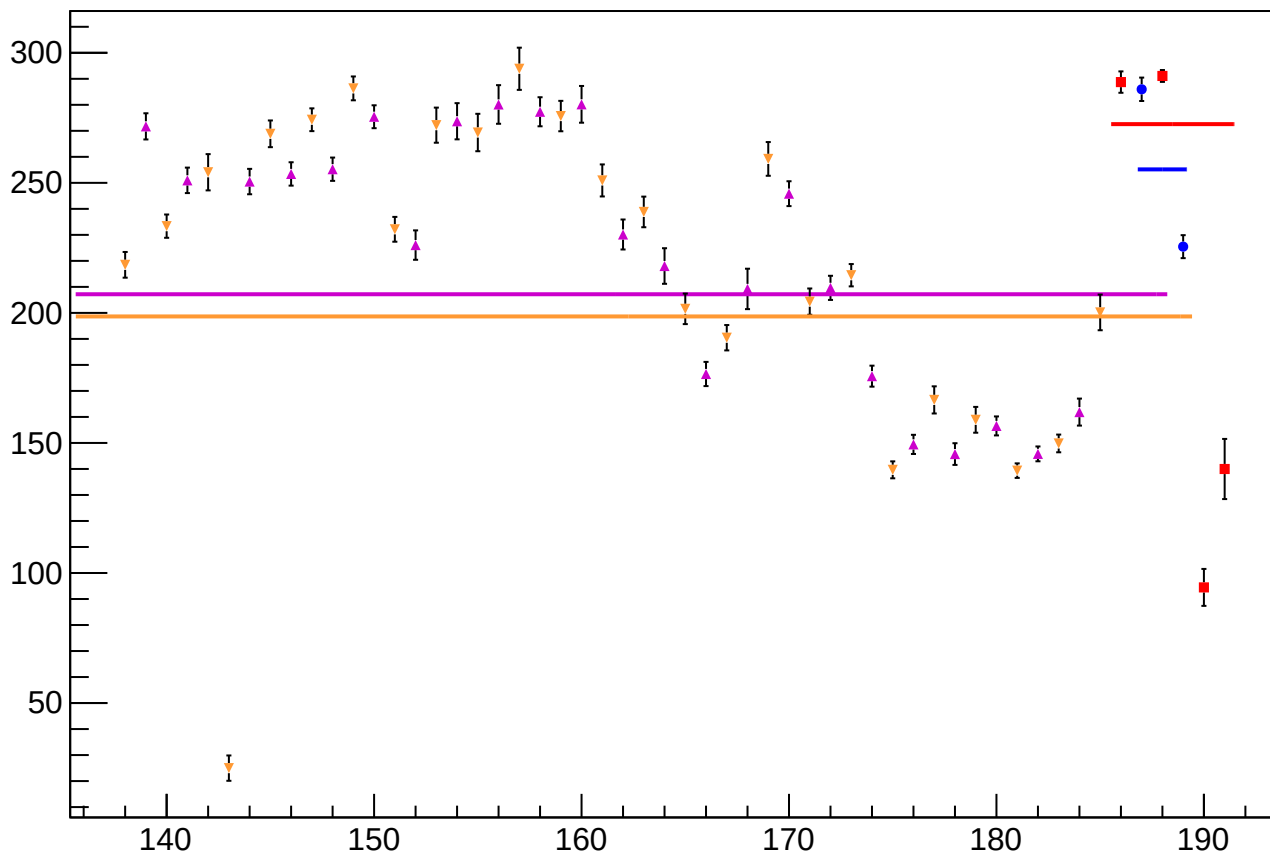
Right: -61.825 $\pm$ 0.041 χ^2 /NDF: 2322334.1/41

In: -112.485 $\pm$ 0.036 χ^2 /NDF: 2644530.0/41

Out: -107.942 $\pm$ 0.035 χ^2 /NDF: 2925406.2/47

All: -110.156 $\pm$ 0.025 χ^2 /NDF: 5578053.5/89

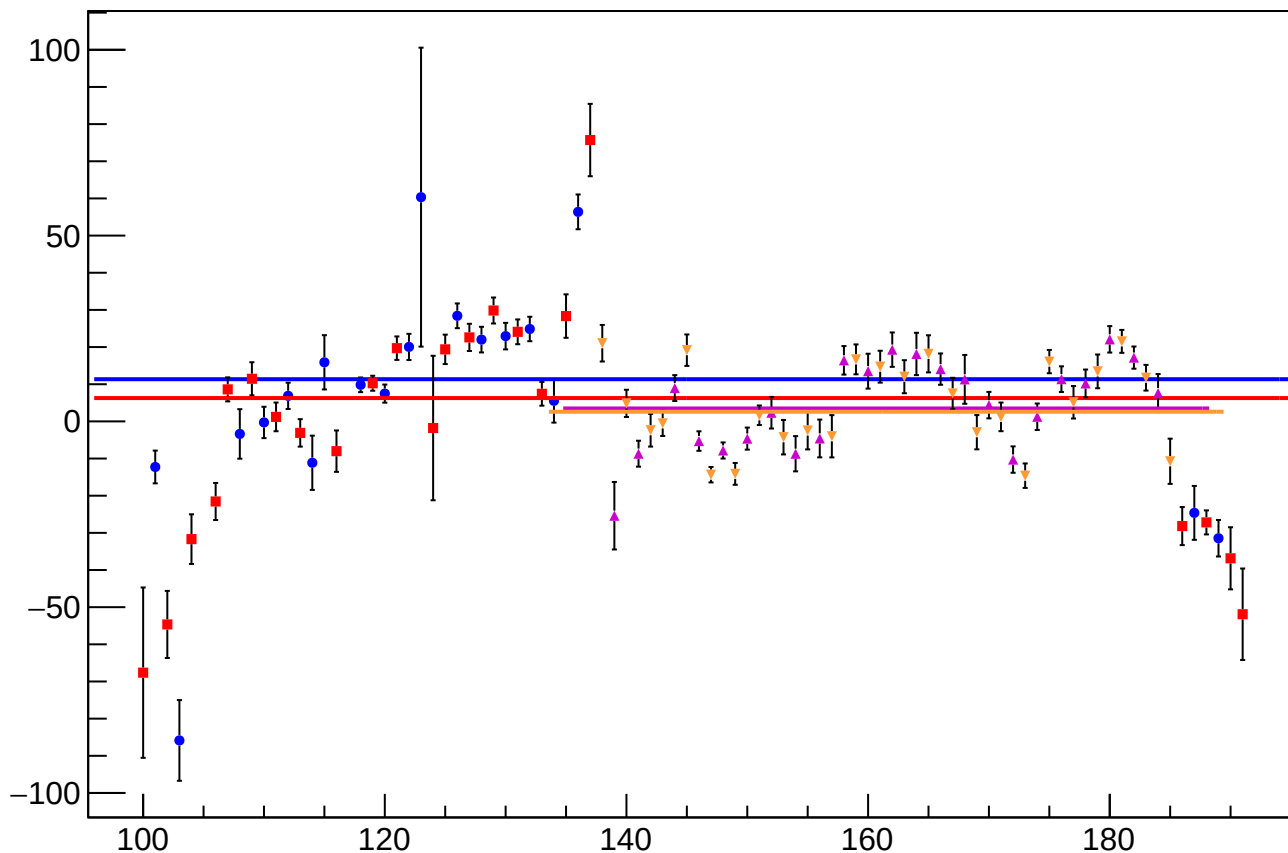
reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 255.175 ± 3.152 $\chi^2/\text{NDF}: 92.1/1$
 Left Out: 198.637 ± 0.966 $\chi^2/\text{NDF}: 4146.6/24$
 Right Out: 272.576 ± 1.893 $\chi^2/\text{NDF}: 841.8/3$
 Left In: 207.171 ± 0.986 $\chi^2/\text{NDF}: 2631.6/22$

Left: 202.817 ± 0.690 $\chi^2/\text{NDF}: 6816.4/47$
 Right: 267.963 ± 1.623 $\chi^2/\text{NDF}: 956.3/5$
 In: 211.450 ± 0.941 $\chi^2/\text{NDF}: 2934.9/24$
 Out: 213.914 ± 0.861 $\chi^2/\text{NDF}: 6198.5/28$
 All: 212.792 ± 0.635 $\chi^2/\text{NDF}: 9137.2/53$

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 11.350 ± 0.897 $\chi^2/\text{NDF}: 400.6/18$

Left Out: 2.595 ± 0.744 $\chi^2/\text{NDF}: 274.3/24$

Right Out: 6.277 ± 0.862 $\chi^2/\text{NDF}: 529.6/22$

Left In: 3.478 ± 0.772 $\chi^2/\text{NDF}: 194.7/22$

Left: 3.020 ± 0.536 $\chi^2/\text{NDF}: 469.7/47$

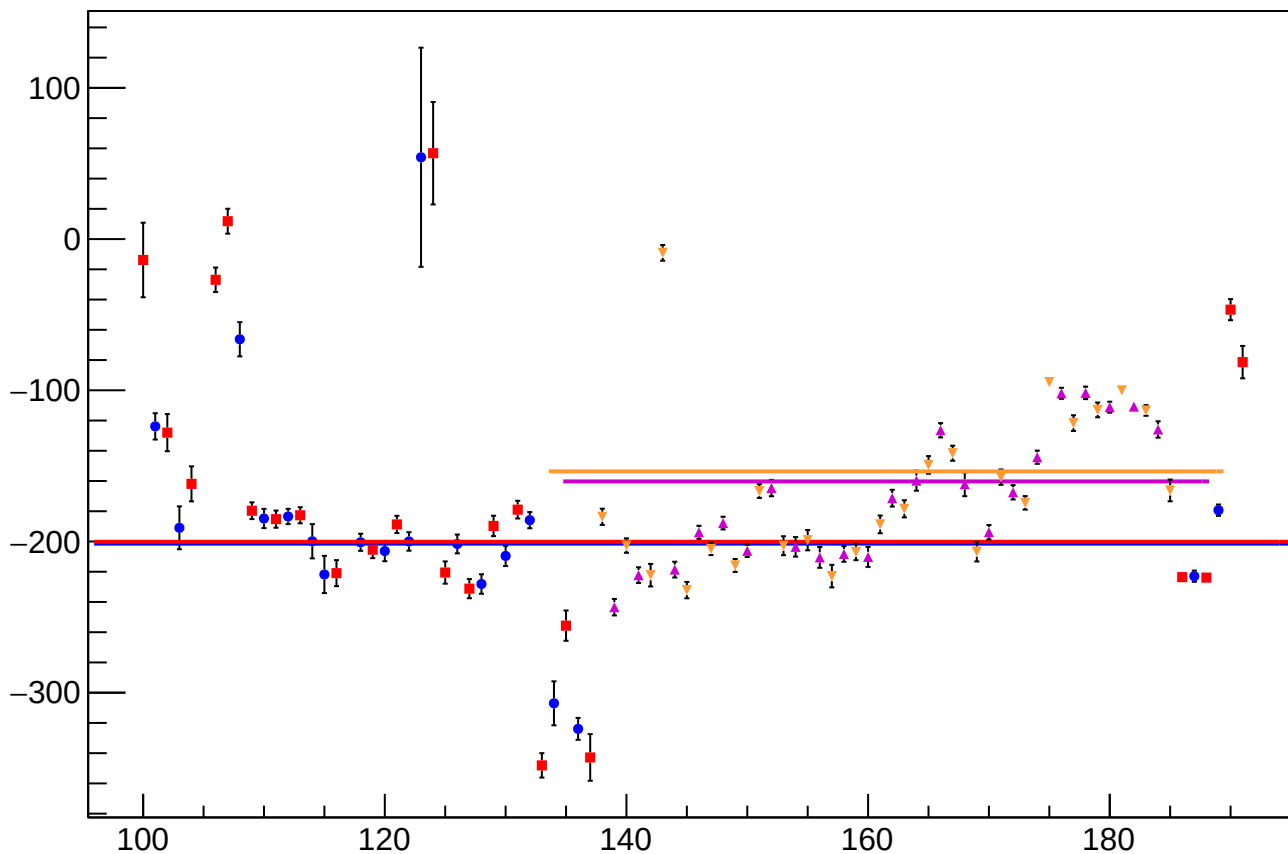
Right: 8.712 ± 0.621 $\chi^2/\text{NDF}: 946.7/41$

In: 6.827 ± 0.585 $\chi^2/\text{NDF}: 639.5/41$

Out: 4.167 ± 0.563 $\chi^2/\text{NDF}: 814.3/47$

All: 5.447 ± 0.406 $\chi^2/\text{NDF}: 1464.6/89$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.409 ± 1.475 χ^2/NDF : 692.1/18

Left Out: -153.649 ± 0.970 χ^2/NDF : 2930.9/24

Right Out: -200.198 ± 1.144 χ^2/NDF : 2645.2/22

Left In: -160.279 ± 0.985 χ^2/NDF : 2049.4/22

Left: -156.913 ± 0.691 χ^2/NDF : 5003.3/47

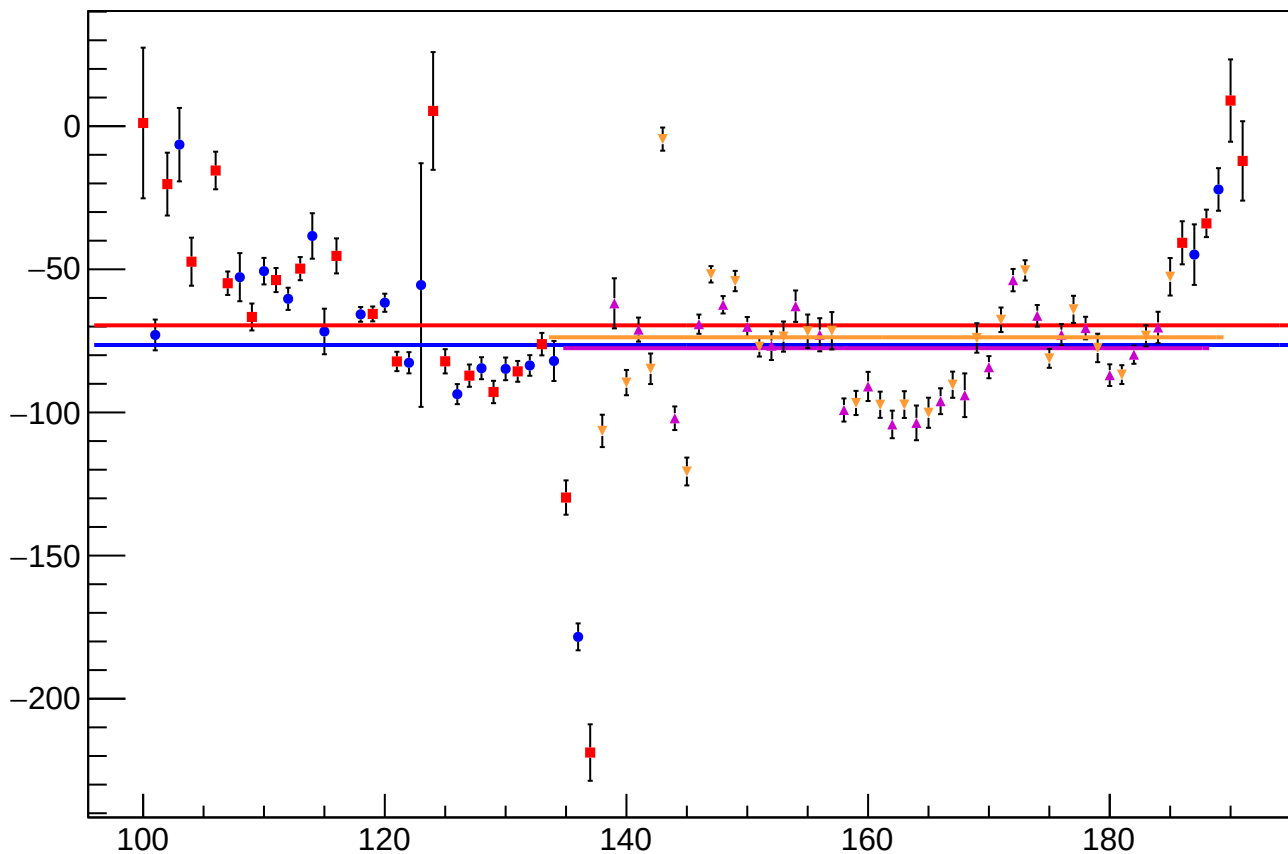
Right: -200.652 ± 0.904 χ^2/NDF : 3337.8/41

In: -172.968 ± 0.819 χ^2/NDF : 3279.6/41

Out: -173.116 ± 0.740 χ^2/NDF : 6539.5/47

All: -173.050 ± 0.549 χ^2/NDF : 9819.1/89

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -76.441 ± 1.050 $\chi^2/\text{NDF}: 722.3/18$

Left Out: -73.741 ± 0.855 $\chi^2/\text{NDF}: 728.3/24$

Right Out: -69.574 ± 1.015 $\chi^2/\text{NDF}: 732.0/22$

Left In: -77.545 ± 0.880 $\chi^2/\text{NDF}: 252.7/22$

Left: -75.587 ± 0.613 $\chi^2/\text{NDF}: 990.6/47$

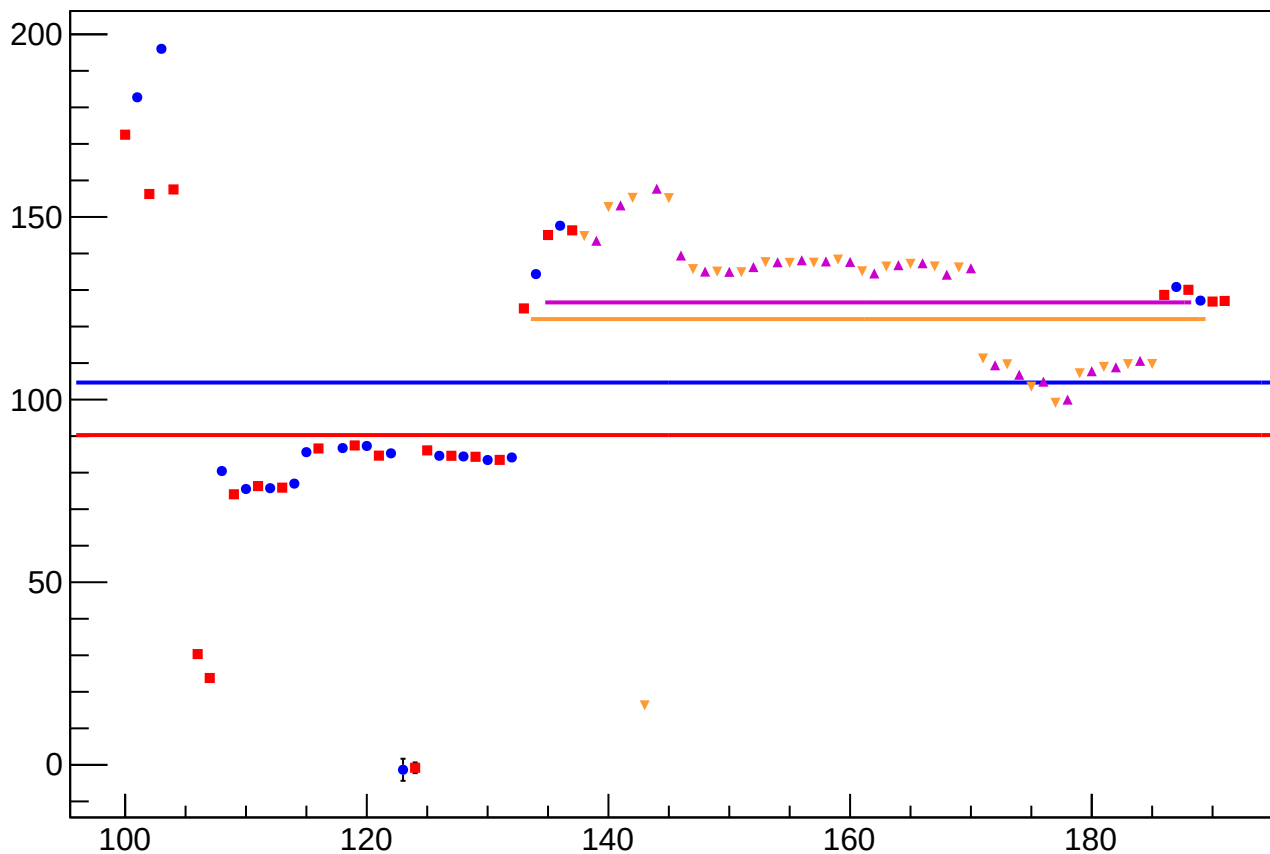
Right: -72.890 ± 0.729 $\chi^2/\text{NDF}: 1476.4/41$

In: -77.089 ± 0.674 $\chi^2/\text{NDF}: 975.7/41$

Out: -72.012 ± 0.654 $\chi^2/\text{NDF}: 1470.1/47$

All: -74.471 ± 0.469 $\chi^2/\text{NDF}: 2475.0/89$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 104.670 $\pm$ 0.068 χ^2 /NDF: 281029.5/18

Left Out: 122.046 $\pm$ 0.040 χ^2 /NDF: 437985.3/24

Right Out: 90.287 $\pm$ 0.060 χ^2 /NDF: 479156.2/22

Left In: 126.605 $\pm$ 0.041 χ^2 /NDF: 164757.9/22

Left: 124.300 $\pm$ 0.029 χ^2 /NDF: 609027.6/47

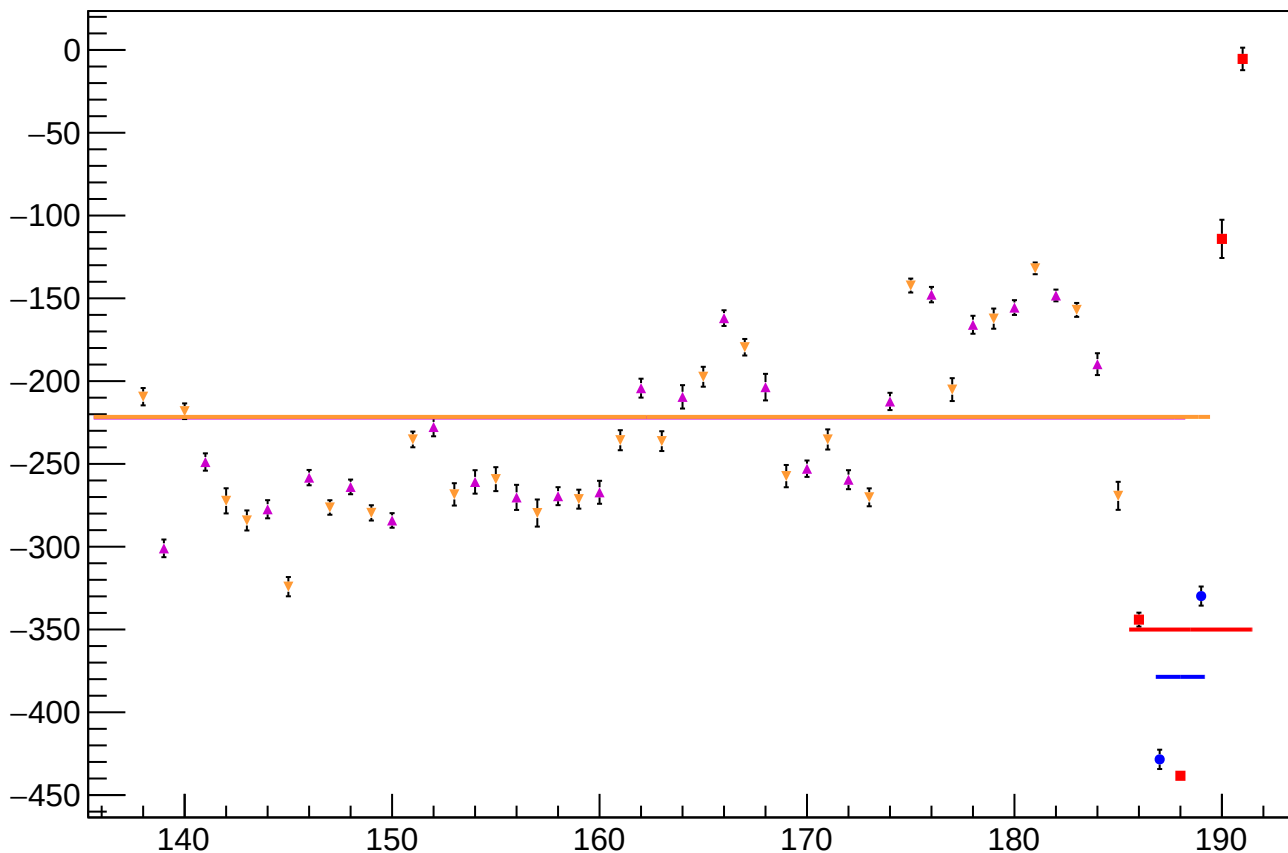
Right: 96.544 $\pm$ 0.045 χ^2 /NDF: 785321.3/41

In: 120.804 $\pm$ 0.035 χ^2 /NDF: 521883.8/41

Out: 112.092 $\pm$ 0.034 χ^2 /NDF: 1110543.5/47

All: 116.249 $\pm$ 0.024 χ^2 /NDF: 1664697.5/89

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -378.599 ± 4.102 χ^2/NDF : 144.5/1

Left Out: -221.606 ± 1.087 χ^2/NDF : 2565.8/24

Right Out: -350.040 ± 2.270 χ^2/NDF : 3836.3/3

Left In: -221.980 ± 1.098 χ^2/NDF : 2190.6/22

Left: -221.791 ± 0.773 χ^2/NDF : 4756.5/47

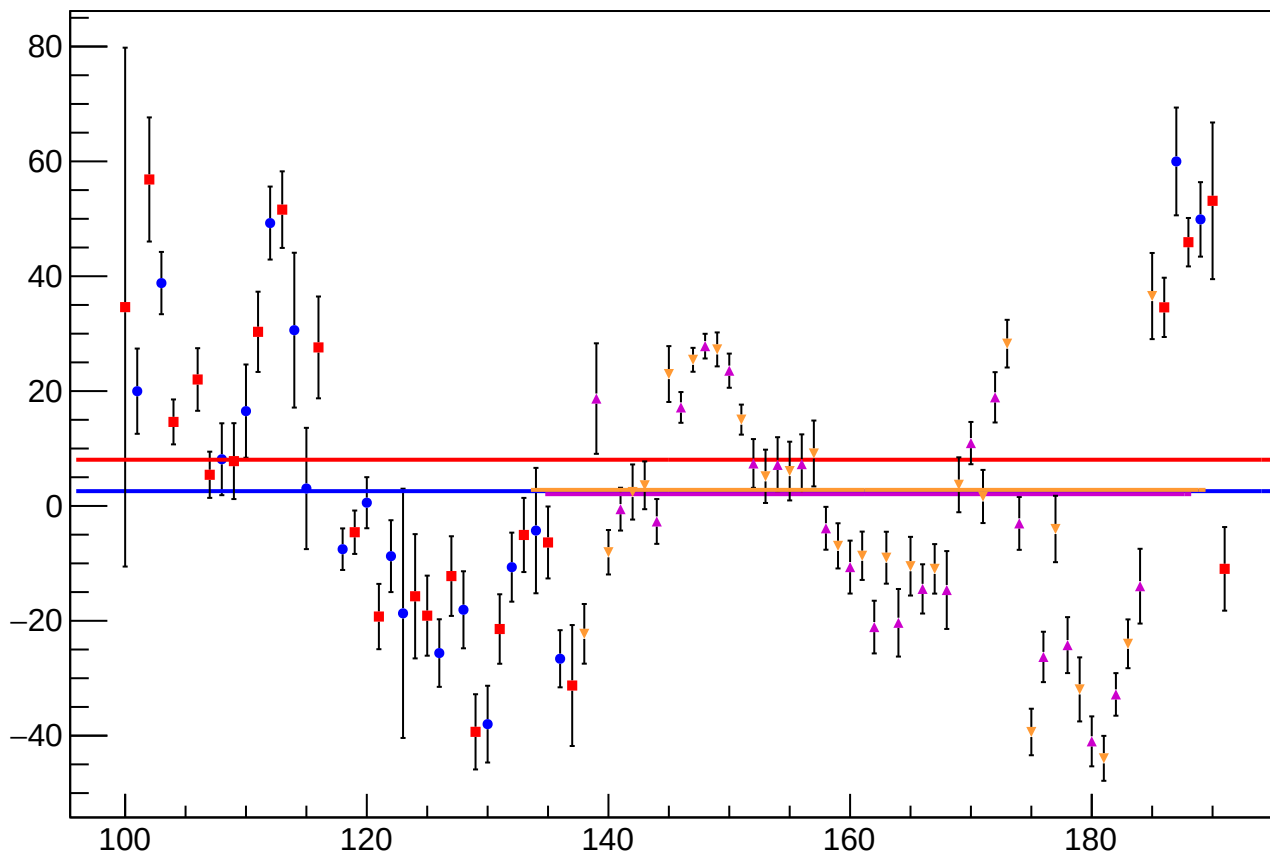
Right: -356.735 ± 1.986 χ^2/NDF : 4017.9/5

In: -232.455 ± 1.061 χ^2/NDF : 3695.6/24

Out: -245.579 ± 0.981 χ^2/NDF : 9006.6/28

All: -239.532 ± 0.720 χ^2/NDF : 12784.7/53

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.578 $\pm$ 1.456 χ^2 /NDF: 324.0/18

Left Out: 2.800 $\pm$ 0.810 χ^2 /NDF:685.5/24

Right Out: 8.048 $\pm$ 1.263 χ^2 /NDF: 375.3/22

Left In: 2.050 $\pm$ 0.833 χ^2 /NDF:592.6/22

Left: 2.436 $\pm$ 0.581 χ^2 /NDF: 1278.5/47

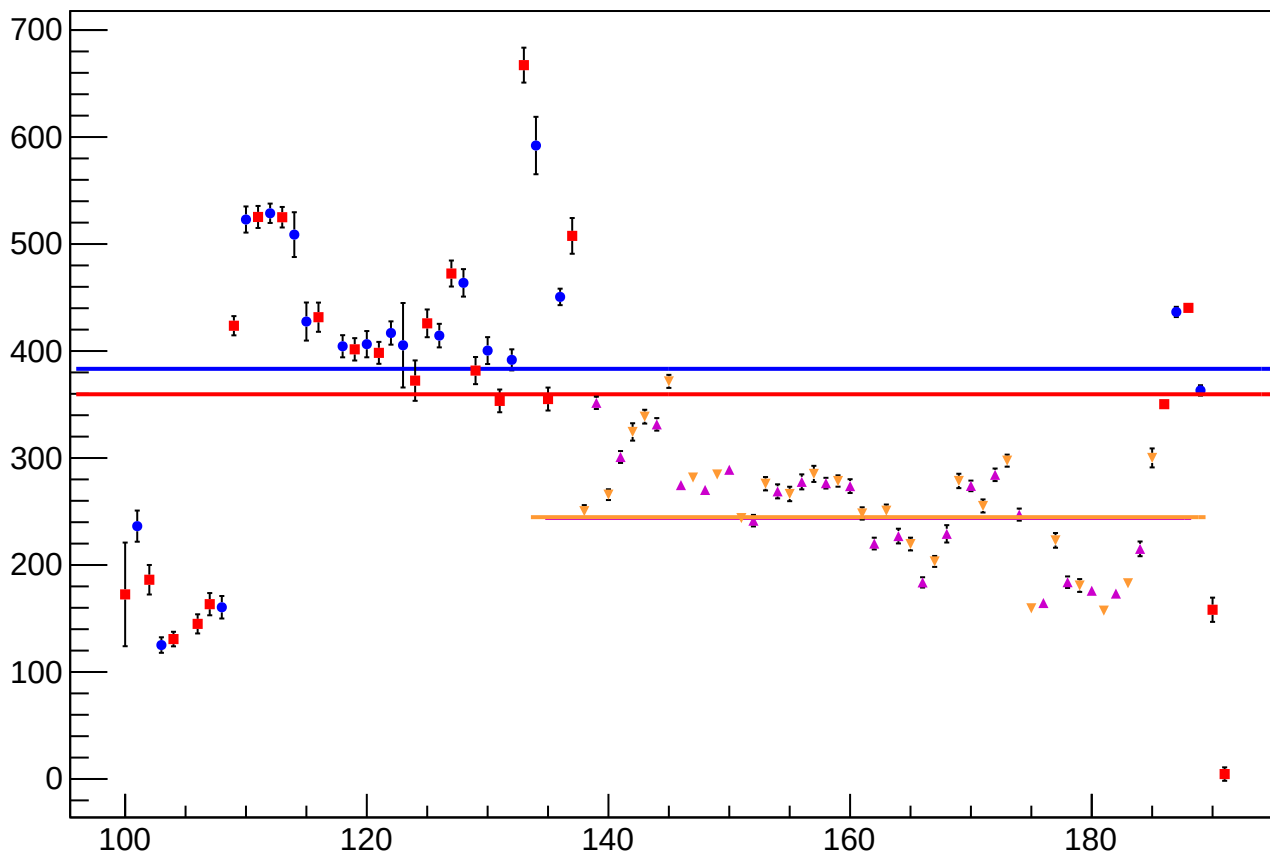
Right: 5.699 $\pm$ 0.954 χ^2 /NDF: 707.4/41

In: 2.180 $\pm$ 0.723 χ^2 /NDF:916.7/41

Out: 4.327 $\pm$ 0.682 χ^2 /NDF:1073.1/47

All: 3.317 $\pm$ 0.496 χ^2 /NDF: 1994.5/89

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 383.349 $\pm$ 2.144 χ^2 /NDF: 2589.8/18

Left Out: 244.716 $\pm$ 1.085 χ^2 /NDF:2565.7/24

Right Out: 359.576 $\pm$ 1.504 χ^2 /NDF: 8050.2/22

Left In: 243.933 $\pm$ 1.090 χ^2 /NDF:2294.8/22

Left: 244.327 $\pm$ 0.769 χ^2 /NDF: 4860.7/47

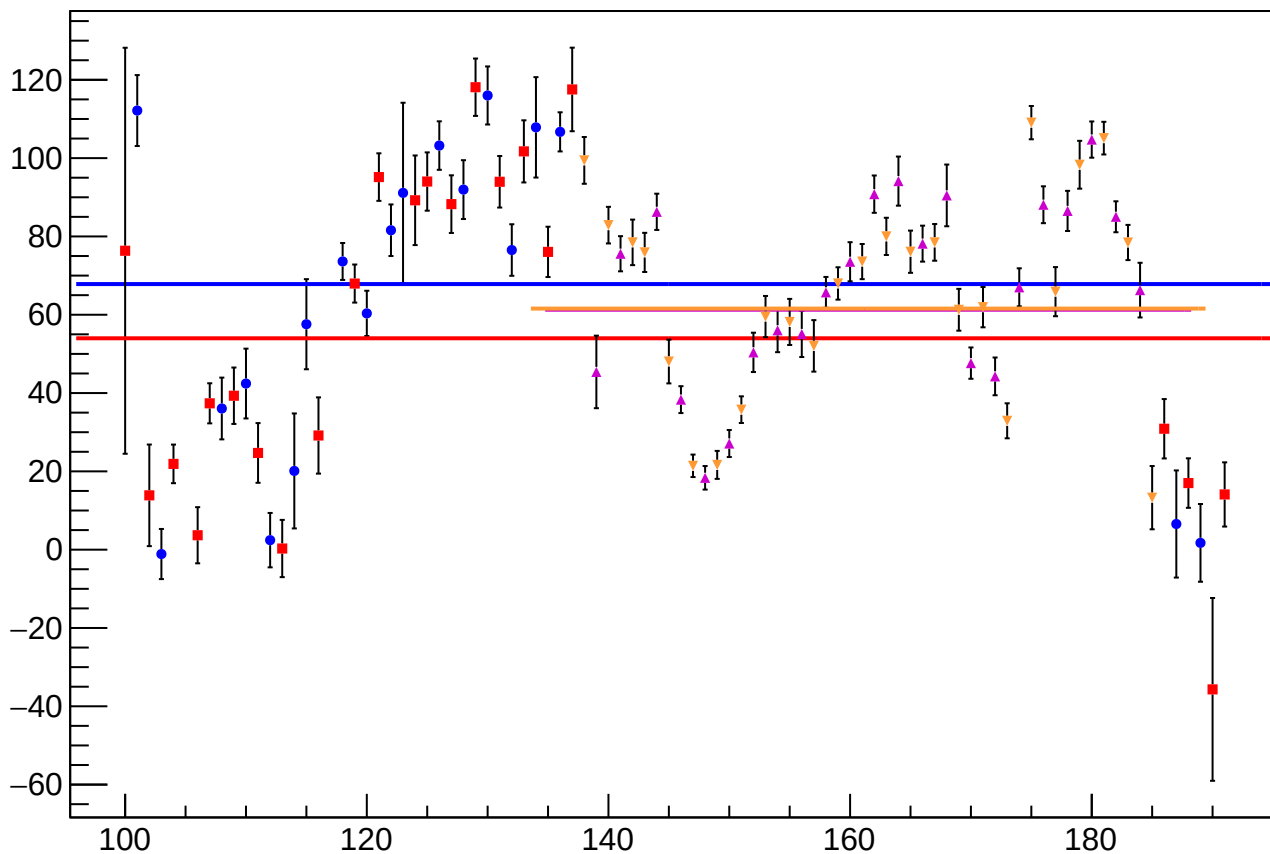
Right: 367.416 $\pm$ 1.231 χ^2 /NDF: 10722.4/41

In: 272.576 $\pm$ 0.972 χ^2 /NDF:8245.2/41

Out: 284.018 $\pm$ 0.880 χ^2 /NDF:14453.8/47

All: 278.864 $\pm$ 0.652 χ^2 /NDF: 22775.3/89

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 67.834 $\pm$ 1.703 χ^2 /NDF: 494.4/18

Left Out: 61.575 $\pm$ 0.939 χ^2 /NDF: 870.3/24

Right Out: 53.987 $\pm$ 1.518 χ^2 /NDF: 584.4/22

Left In: 61.286 $\pm$ 0.959 χ^2 /NDF: 702.8/22

Left: 61.434 $\pm$ 0.671 χ^2 /NDF: 1573.1/47

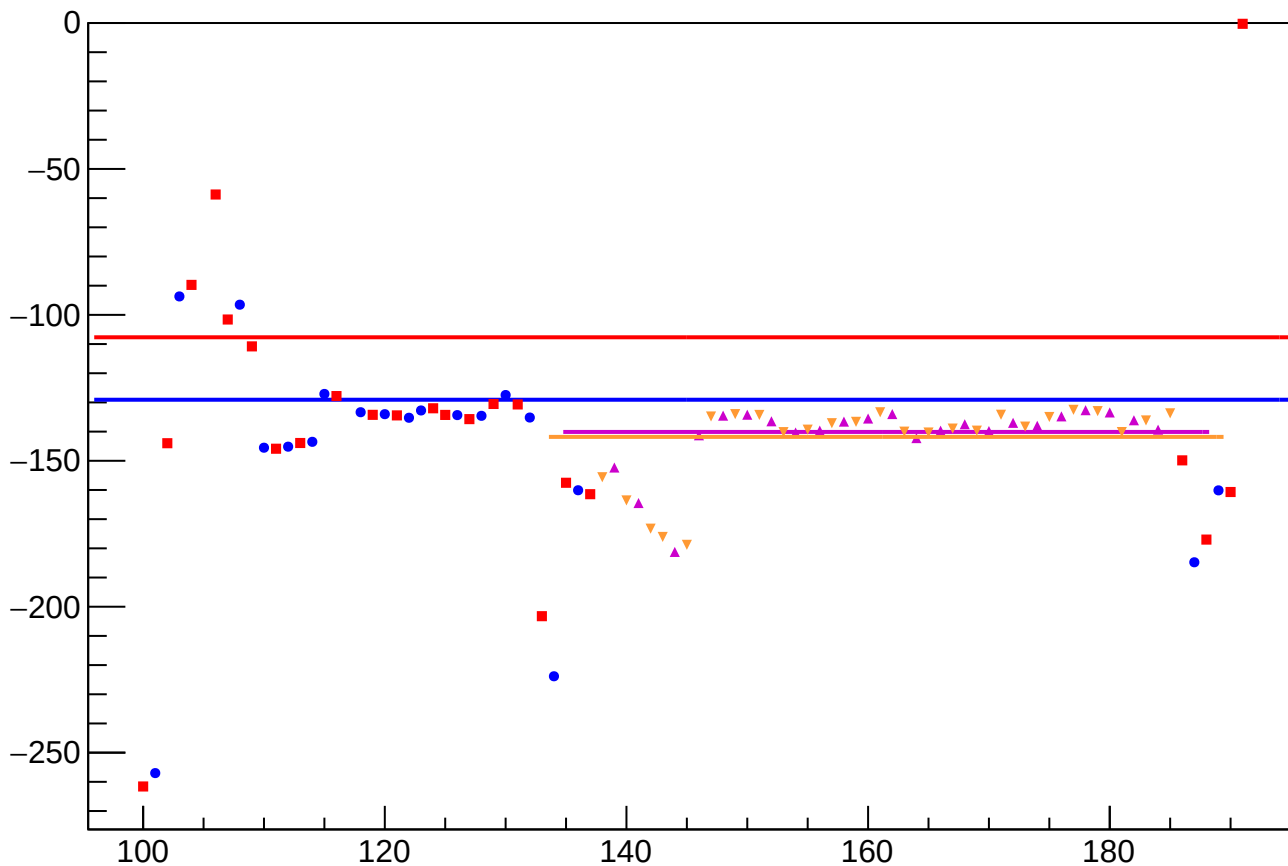
Right: 60.116 $\pm$ 1.133 χ^2 /NDF: 1115.6/41

In: 62.862 $\pm$ 0.836 χ^2 /NDF: 1208.4/41

Out: 59.475 $\pm$ 0.798 χ^2 /NDF: 1472.7/47

All: 61.092 $\pm$ 0.577 χ^2 /NDF: 2689.7/89

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -129.079 ± 0.087 $\chi^2/\text{NDF}: 177504.4/18$

Left Out: -141.811 ± 0.045 $\chi^2/\text{NDF}: 77727.6/24$

Right Out: -107.683 ± 0.075 $\chi^2/\text{NDF}: 462553.4/22$

Left In: -140.112 ± 0.045 $\chi^2/\text{NDF}: 48400.6/22$

Left: -140.962 ± 0.032 $\chi^2/\text{NDF}: 126846.5/47$

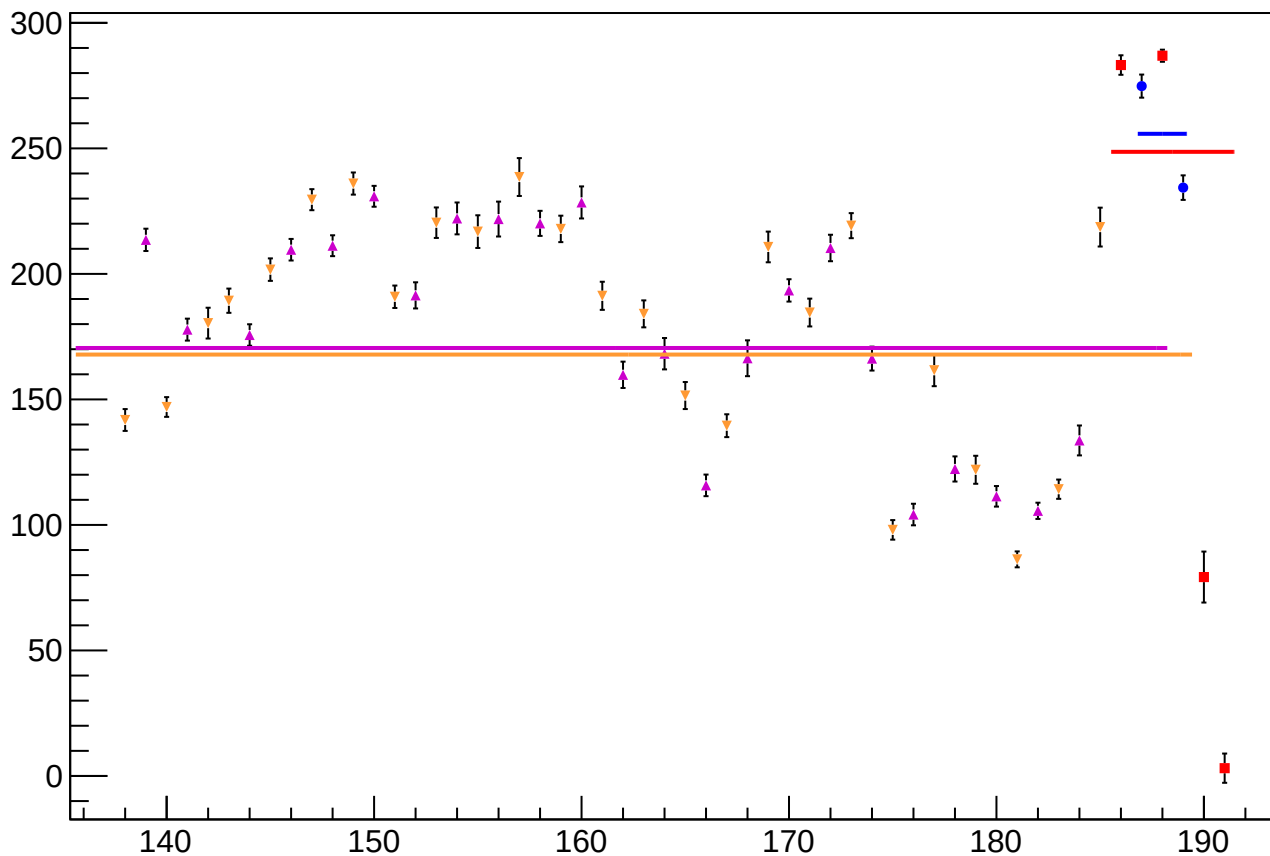
Right: -116.733 ± 0.057 $\chi^2/\text{NDF}: 674835.1/41$

In: -137.804 ± 0.040 $\chi^2/\text{NDF}: 238577.0/41$

Out: -132.767 ± 0.038 $\chi^2/\text{NDF}: 694017.4/47$

All: -135.192 ± 0.028 $\chi^2/\text{NDF}: 940871.5/89$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 255.805 $\pm$ 3.351 χ^2 /NDF: 36.3/1

Left Out: 167.868 $\pm$ 0.973 χ^2 /NDF:2465.4/24

Right Out: 248.627 $\pm$ 1.898 χ^2 /NDF: 2386.2/3

Left In: 170.487 $\pm$ 0.991 χ^2 /NDF:2036.5/22

Left: 169.154 $\pm$ 0.695 χ^2 /NDF: 4505.5/47

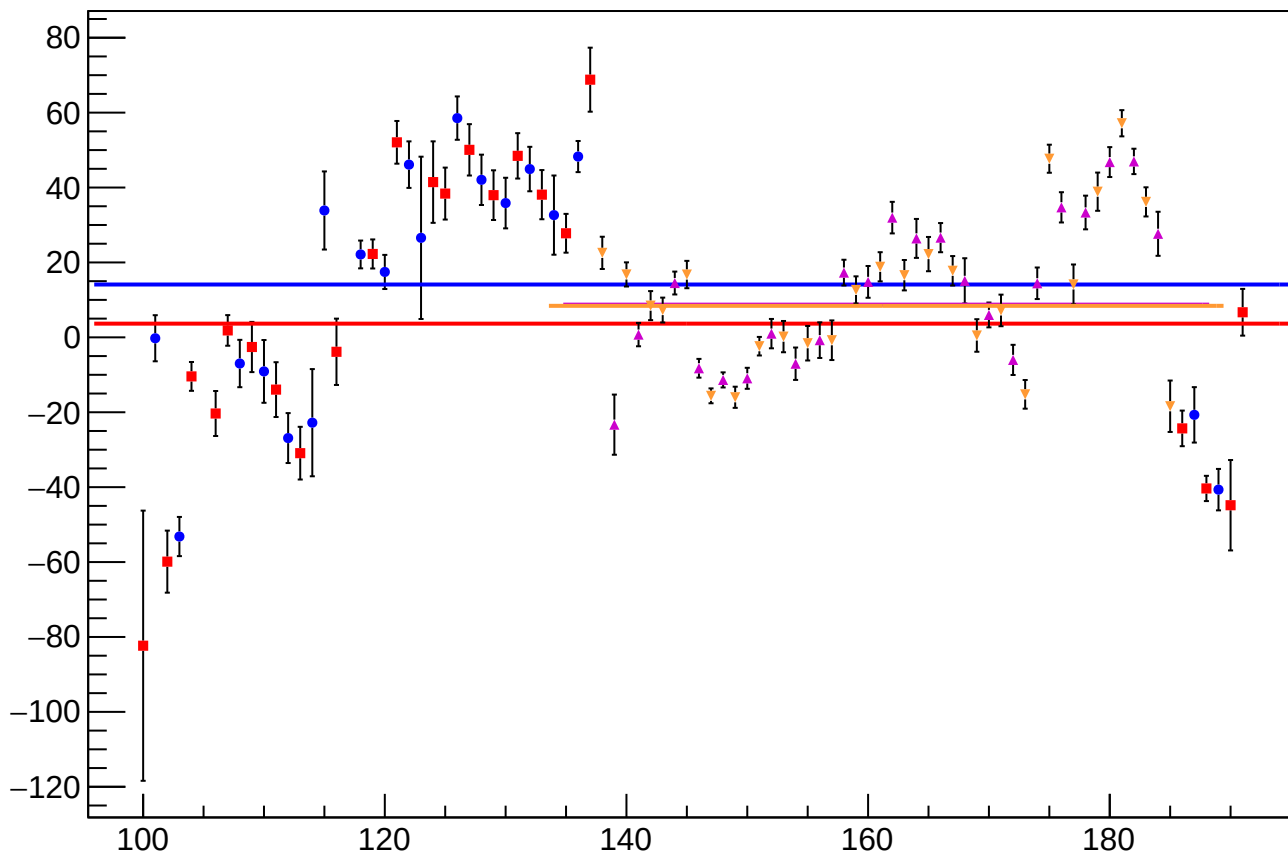
Right: 250.371 $\pm$ 1.652 χ^2 /NDF: 2426.0/5

In: 177.352 $\pm$ 0.950 χ^2 /NDF:2668.9/24

Out: 184.683 $\pm$ 0.866 χ^2 /NDF:6284.7/28

All: 181.357 $\pm$ 0.640 χ^2 /NDF: 8986.1/53

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 14.108 ± 1.404 $\chi^2/\text{NDF}: 574.0/18$

Left Out: 8.415 ± 0.731 $\chi^2/\text{NDF}: 750.6/24$

Right Out: 3.659 ± 1.212 $\chi^2/\text{NDF}: 713.7/22$

Left In: 8.730 ± 0.757 $\chi^2/\text{NDF}: 630.1/22$

Left: 8.567 ± 0.526 $\chi^2/\text{NDF}: 1380.7/47$

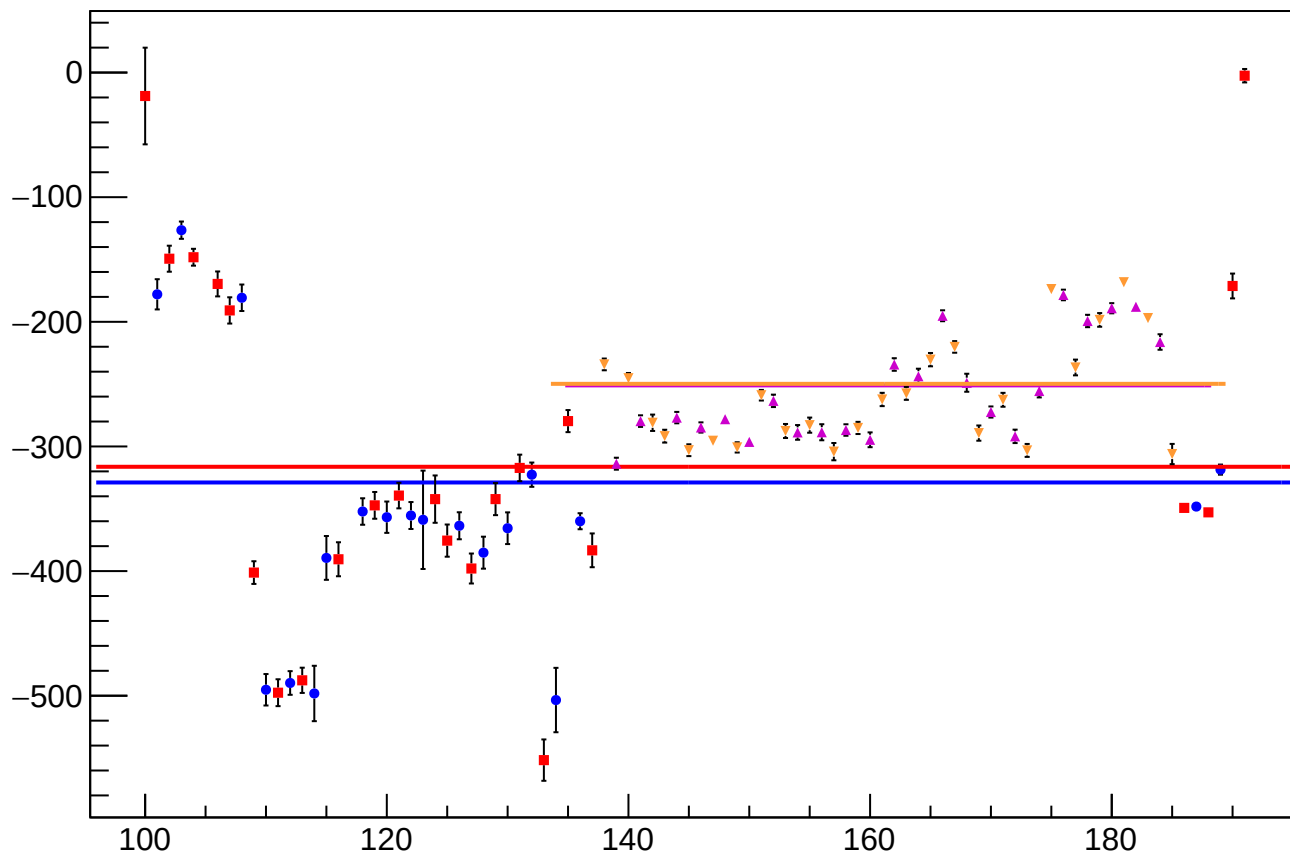
Right: 8.121 ± 0.917 $\chi^2/\text{NDF}: 1319.5/41$

In: 9.941 ± 0.666 $\chi^2/\text{NDF}: 1215.5/41$

Out: 7.146 ± 0.626 $\chi^2/\text{NDF}: 1475.6/47$

All: 8.457 ± 0.456 $\chi^2/\text{NDF}: 2700.5/89$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -328.904 ± 1.921 $\chi^2/\text{NDF}: 1887.2/18$

Left Out: -249.759 ± 0.975 $\chi^2/\text{NDF}: 2232.5/24$

Right Out: -316.304 ± 1.321 $\chi^2/\text{NDF}: 6373.9/22$

Left In: -251.002 ± 0.987 $\chi^2/\text{NDF}: 1958.3/22$

Left: -250.374 ± 0.694 $\chi^2/\text{NDF}: 4191.7/47$

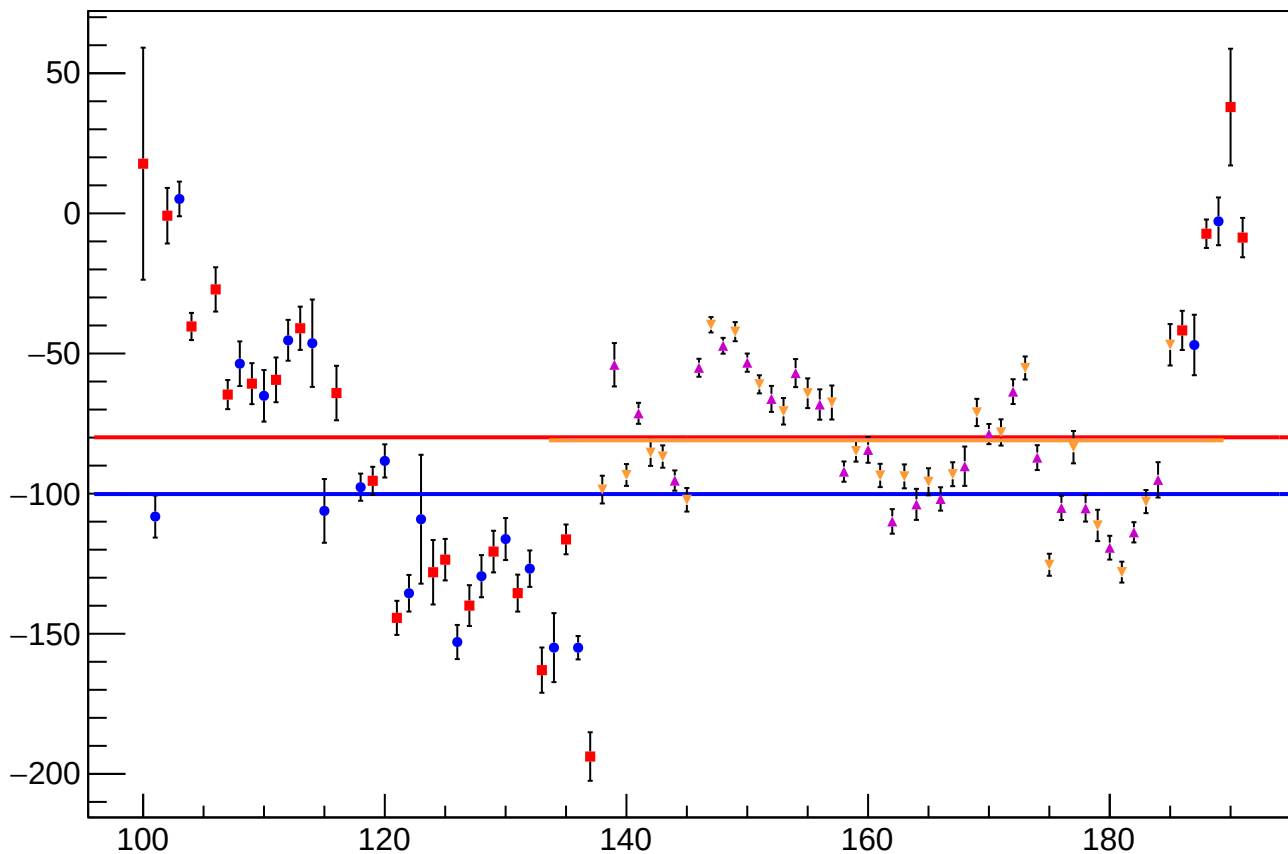
Right: -320.352 ± 1.088 $\chi^2/\text{NDF}: 8290.3/41$

In: -267.272 ± 0.878 $\chi^2/\text{NDF}: 5147.2/41$

Out: -273.227 ± 0.785 $\chi^2/\text{NDF}: 10248.7/47$

All: -270.582 ± 0.585 $\chi^2/\text{NDF}: 15421.5/89$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.156 ± 1.642 χ^2/NDF : 901.5/18

Left Out: -80.981 ± 0.846 χ^2/NDF : 911.2/24

Right Out: -79.901 ± 1.464 χ^2/NDF : 1268.3/22

Left In: -80.803 ± 0.870 χ^2/NDF : 695.4/22

Left: -80.895 ± 0.606 χ^2/NDF : 1606.6/47

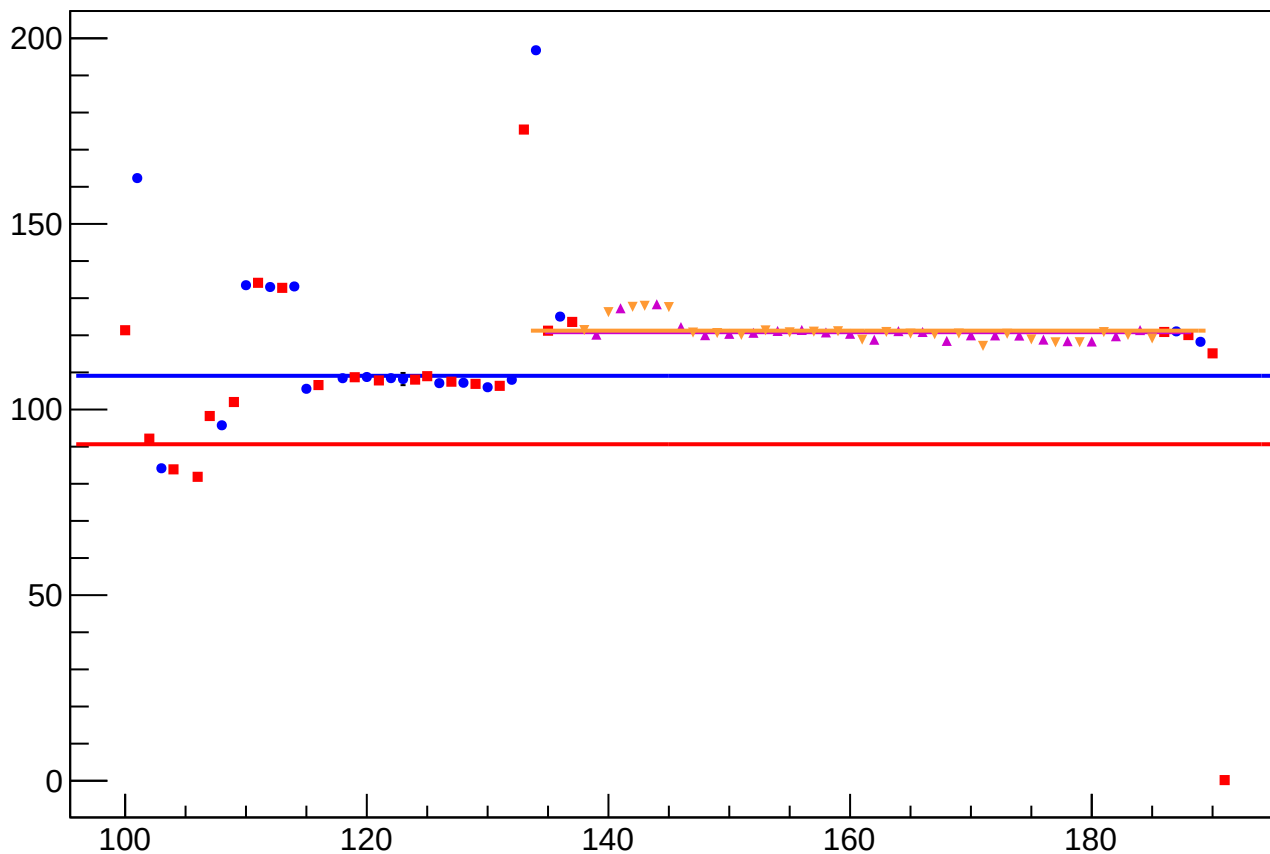
Right: -88.872 ± 1.092 χ^2/NDF : 2254.6/41

In: -85.045 ± 0.769 χ^2/NDF : 1705.4/41

Out: -80.710 ± 0.733 χ^2/NDF : 2180.0/47

All: -82.774 ± 0.530 χ^2/NDF : 3902.0/89

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 109.085 $\pm$ 0.082 χ^2 /NDF: 74242.9/18

Left Out: 121.248 $\pm$ 0.040 χ^2 /NDF: 4820.1/24

Right Out: 90.651 $\pm$ 0.070 χ^2 /NDF: 313290.0/22

Left In: 120.834 $\pm$ 0.041 χ^2 /NDF: 3372.4/22

Left: 121.043 $\pm$ 0.029 χ^2 /NDF: 8245.1/47

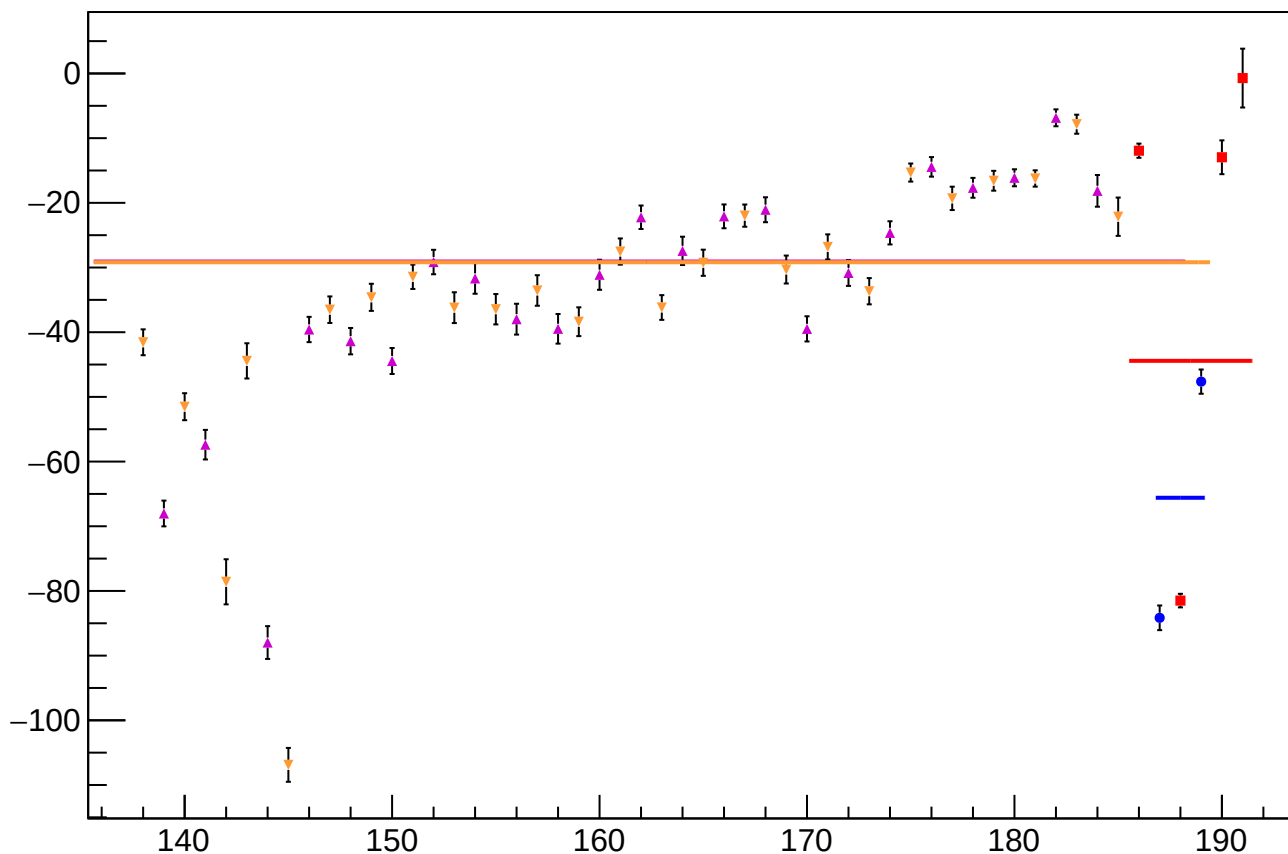
Right: 98.386 $\pm$ 0.053 χ^2 /NDF: 416724.2/41

In: 118.538 $\pm$ 0.036 χ^2 /NDF: 94053.4/41

Out: 113.636 $\pm$ 0.035 χ^2 /NDF: 462082.9/47

All: 115.985 $\pm$ 0.025 χ^2 /NDF: 565610.3/89

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -65.595 ± 1.336 χ^2/NDF : 186.6/1

Left Out: -29.182 ± 0.389 χ^2/NDF : 1880.4/24

Right Out: -44.426 ± 0.719 χ^2/NDF : 2360.6/3

Left In: -29.073 ± 0.394 χ^2/NDF : 1872.4/22

Left: -29.128 ± 0.277 χ^2/NDF : 3752.8/47

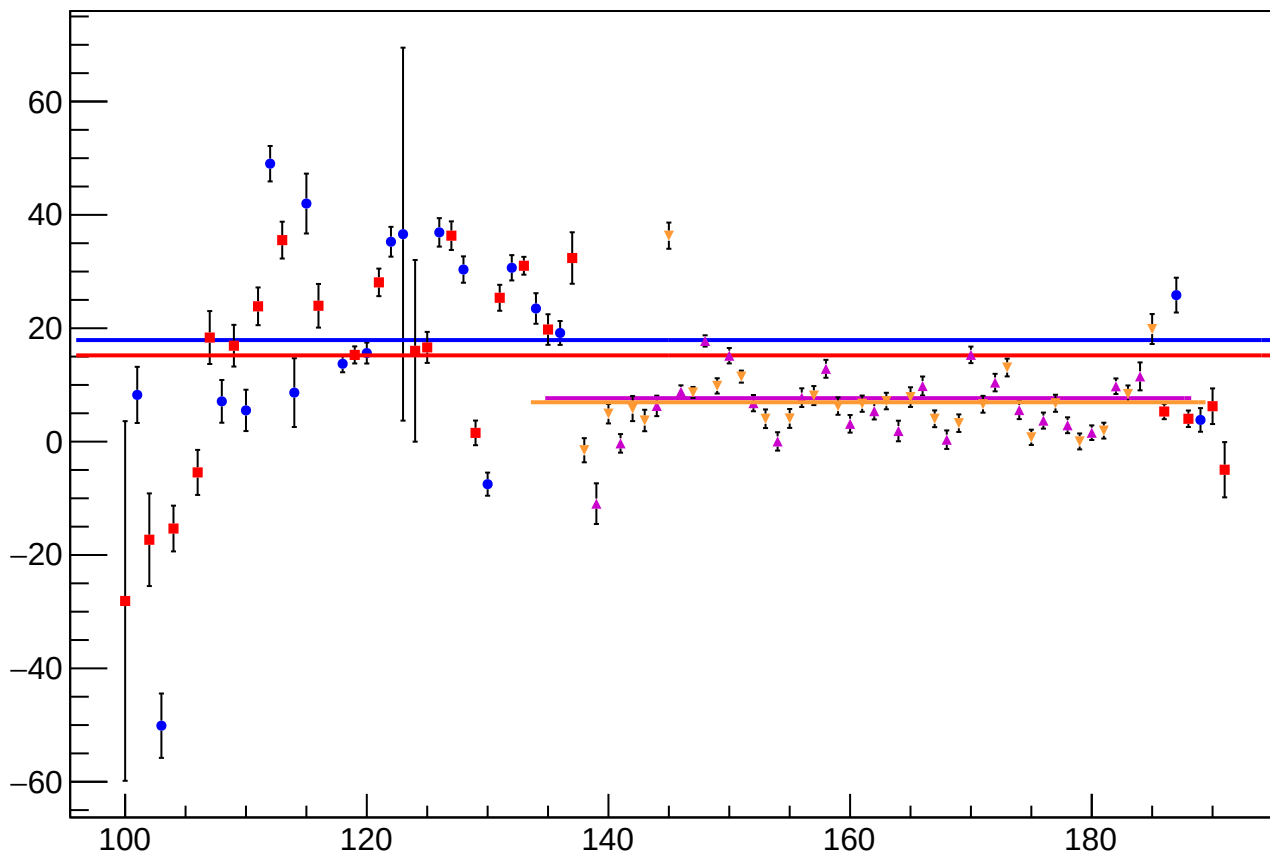
Right: -49.182 ± 0.633 χ^2/NDF : 2741.8/5

In: -31.991 ± 0.378 χ^2/NDF : 2746.2/24

Out: -32.634 ± 0.342 χ^2/NDF : 4588.4/28

All: -32.344 ± 0.254 χ^2/NDF : 7336.2/53

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.913 ± 0.603 χ^2/NDF : 673.6/18

Left Out: 6.943 ± 0.304 χ^2/NDF : 322.6/24

Right Out: 15.213 ± 0.529 χ^2/NDF : 568.3/22

Left In: 7.666 ± 0.313 χ^2/NDF : 341.1/22

Left: 7.294 ± 0.218 χ^2/NDF : 666.5/47

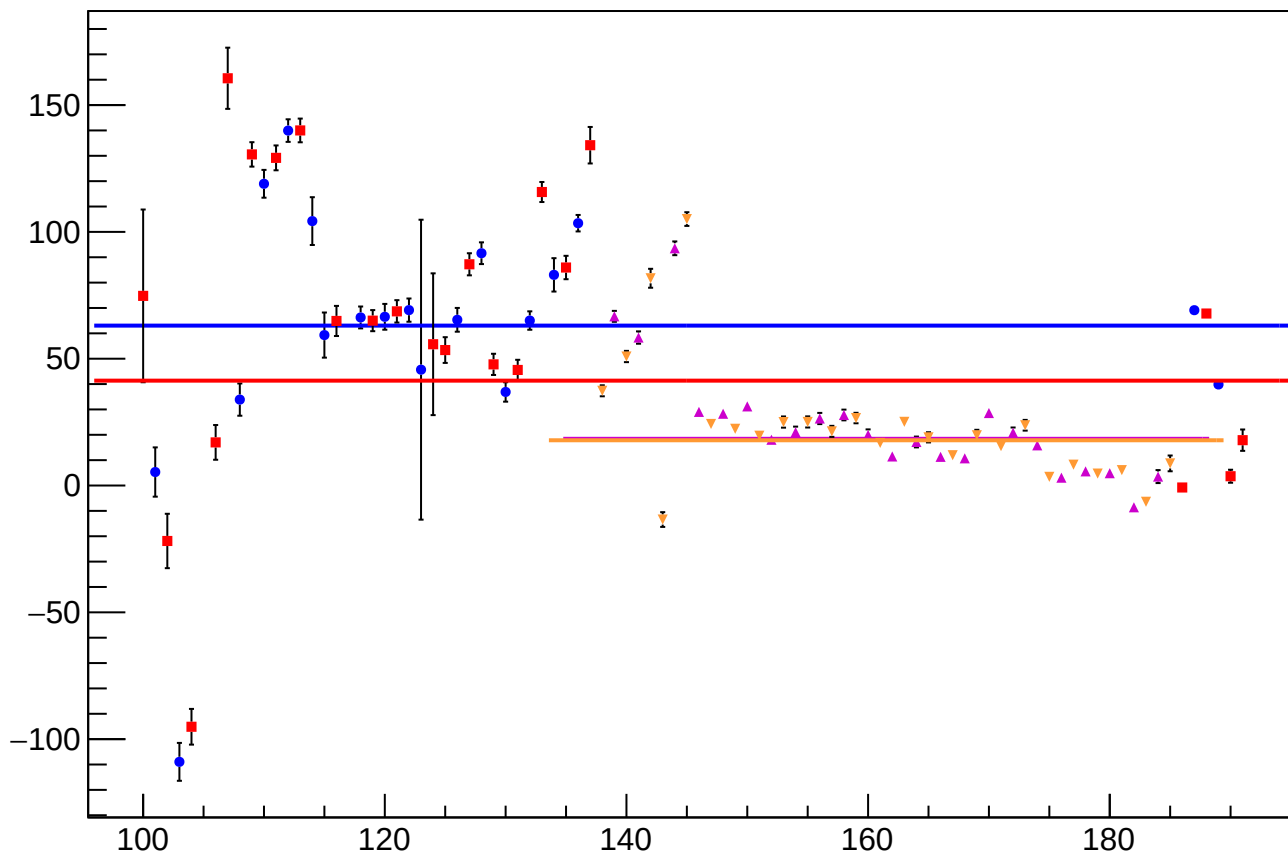
Right: 16.386 ± 0.397 χ^2/NDF : 1253.2/41

In: 9.838 ± 0.278 χ^2/NDF : 1242.3/41

Out: 8.995 ± 0.263 χ^2/NDF : 1074.9/47

All: 9.394 ± 0.191 χ^2/NDF : 2322.1/89

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 63.048 $\pm$ 0.826 χ^2 /NDF: 1493.7/18

Left Out: 17.841 $\pm$ 0.388 χ^2 /NDF:2399.7/24

Right Out: 41.350 $\pm$ 0.529 χ^2 /NDF: 5984.1/22

Left In: 18.416 $\pm$ 0.391 χ^2 /NDF:2468.4/22

Left: 18.126 $\pm$ 0.275 χ^2 /NDF: 4869.1/47

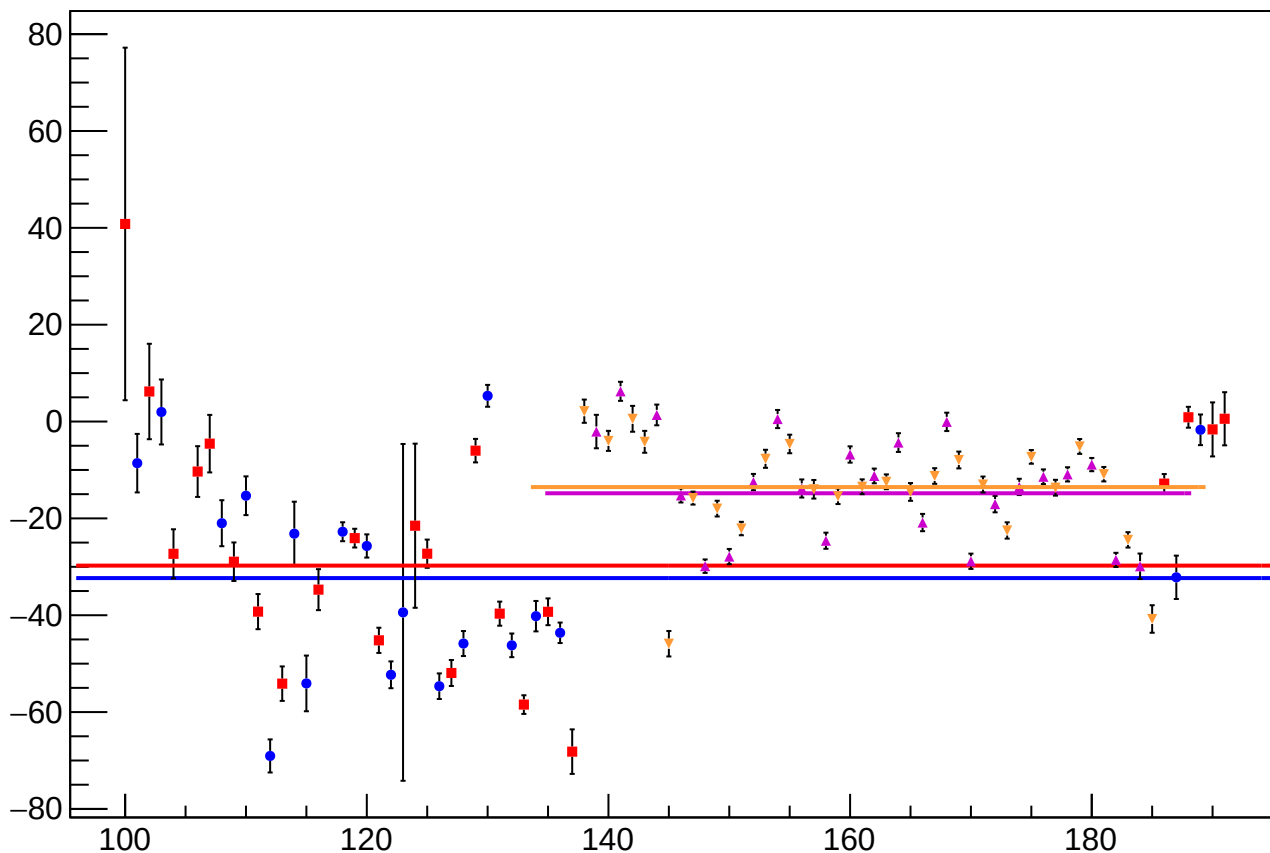
Right: 47.656 $\pm$ 0.445 χ^2 /NDF: 7966.9/41

In: 26.590 $\pm$ 0.354 χ^2 /NDF:6345.3/41

Out: 26.062 $\pm$ 0.313 χ^2 /NDF:9668.8/47

All: 26.294 $\pm$ 0.234 χ^2 /NDF: 16015.3/89

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.329 ± 0.708 $\chi^2/\text{NDF}: 818.5/18$

Left Out: -13.535 ± 0.345 $\chi^2/\text{NDF}: 574.6/24$

Right Out: -29.755 ± 0.648 $\chi^2/\text{NDF}: 963.4/22$

Left In: -14.815 ± 0.353 $\chi^2/\text{NDF}: 838.2/22$

Left: -14.159 ± 0.247 $\chi^2/\text{NDF}: 1419.5/47$

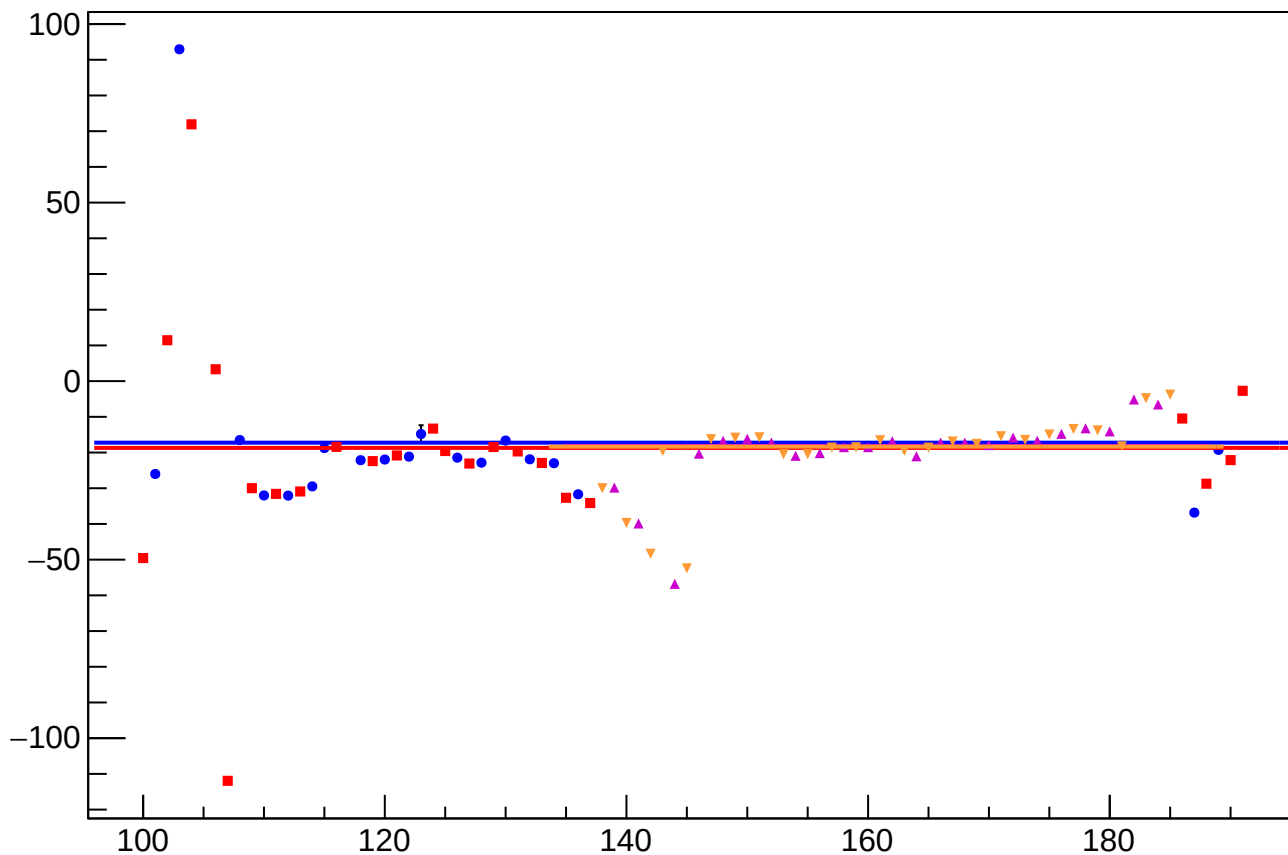
Right: -30.929 ± 0.478 $\chi^2/\text{NDF}: 1789.2/41$

In: -18.303 ± 0.316 $\chi^2/\text{NDF}: 2146.7/41$

Out: -17.108 ± 0.304 $\chi^2/\text{NDF}: 2025.8/47$

All: -17.683 ± 0.219 $\chi^2/\text{NDF}: 4180.0/89$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -17.237 $\pm$ 0.042 χ^2 /NDF: 480959.8/18

Left Out: -18.337 $\pm$ 0.016 χ^2 /NDF: 283793.3/24

Right Out: -18.695 $\pm$ 0.038 χ^2 /NDF: 458222.9/22

Left In: -18.135 $\pm$ 0.016 χ^2 /NDF: 245650.3/22

Left: -18.237 $\pm$ 0.011 χ^2 /NDF: 529524.6/47

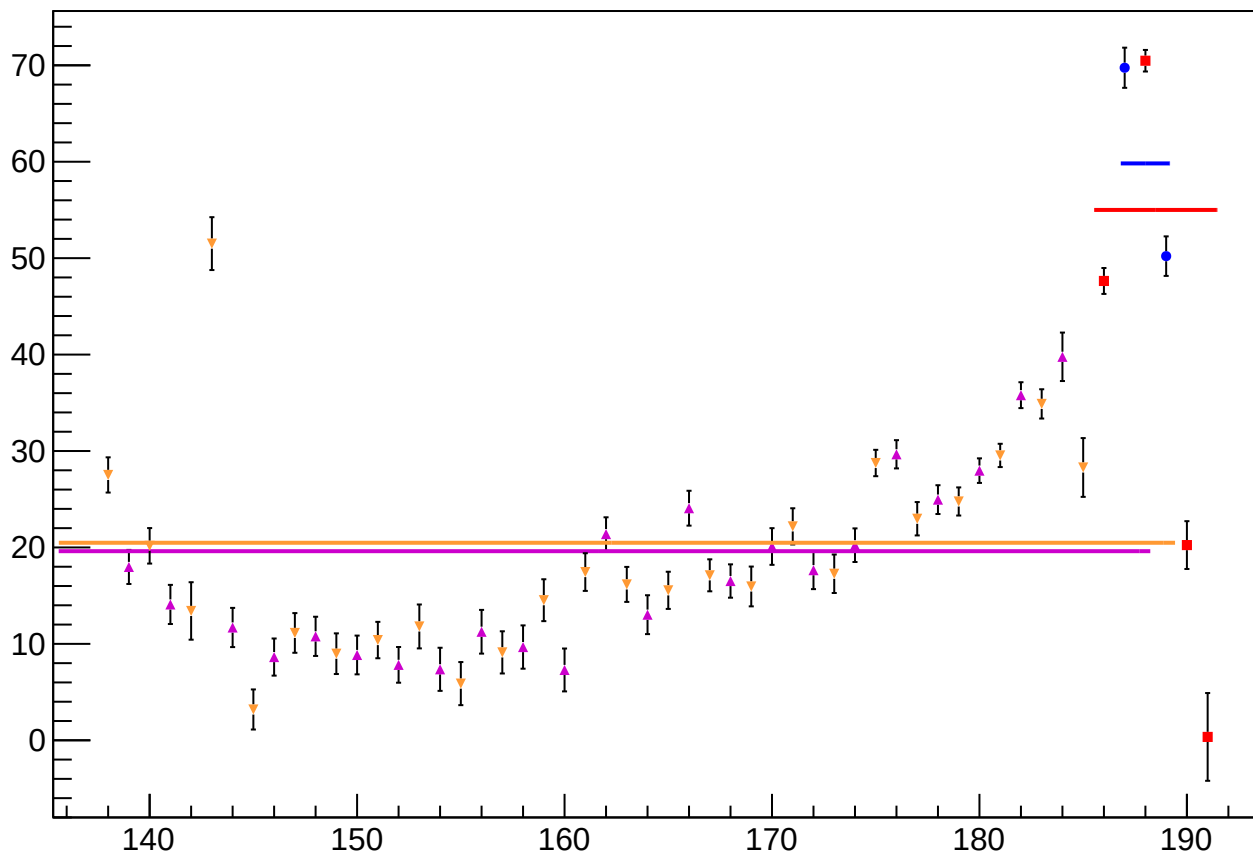
Right: -18.036 $\pm$ 0.028 χ^2 /NDF: 939857.0/41

In: -18.018 $\pm$ 0.015 χ^2 /NDF: 727016.0/41

Out: -18.391 $\pm$ 0.015 χ^2 /NDF: 742092.4/47

All: -18.209 $\pm$ 0.010 χ^2 /NDF: 1469425.9/89

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 59.825+/-1.461 χ^2/NDF : 44.7/1

Left Out: 20.485+/-0.374 χ^2/NDF : 615.7/24

Right Out: 55.002+/-0.799 χ^2/NDF : 562.2/3

Left In: 19.612+/-0.379 χ^2/NDF : 572.7/22

Left: 20.054+/-0.266 χ^2/NDF : 1191.1/47

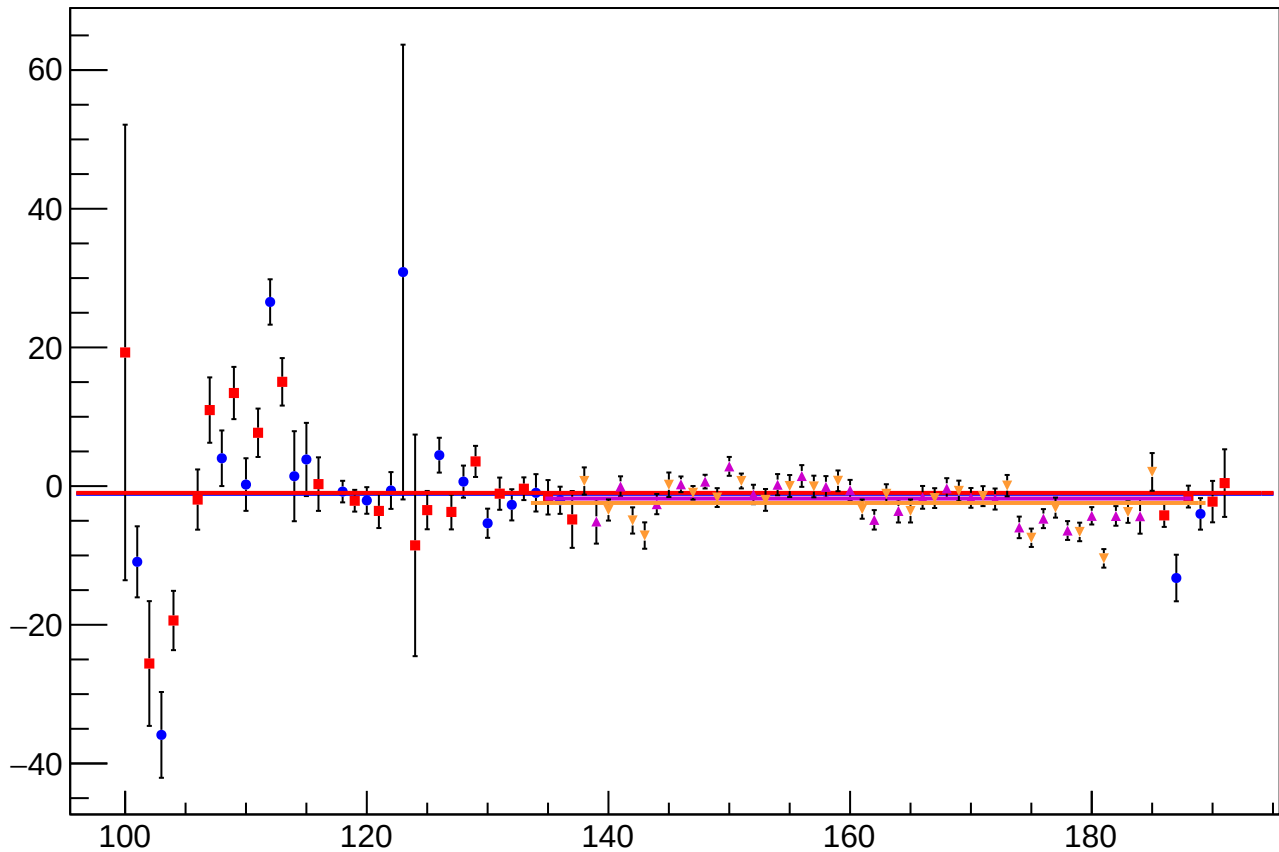
Right: 56.113+/-0.701 χ^2/NDF : 615.3/5

In: 22.143+/-0.367 χ^2/NDF : 1327.4/24

Out: 26.673+/-0.338 χ^2/NDF : 2707.8/28

All: 24.588+/-0.249 χ^2/NDF : 4117.6/53

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.113 ± 0.617 χ^2/NDF : 135.8/18

Left Out: -2.429 ± 0.293 χ^2/NDF : 103.7/24

Right Out: -0.978 ± 0.556 χ^2/NDF : 88.8/22

Left In: -1.791 ± 0.301 χ^2/NDF : 70.1/22

Left: -2.119 ± 0.210 χ^2/NDF : 176.1/47

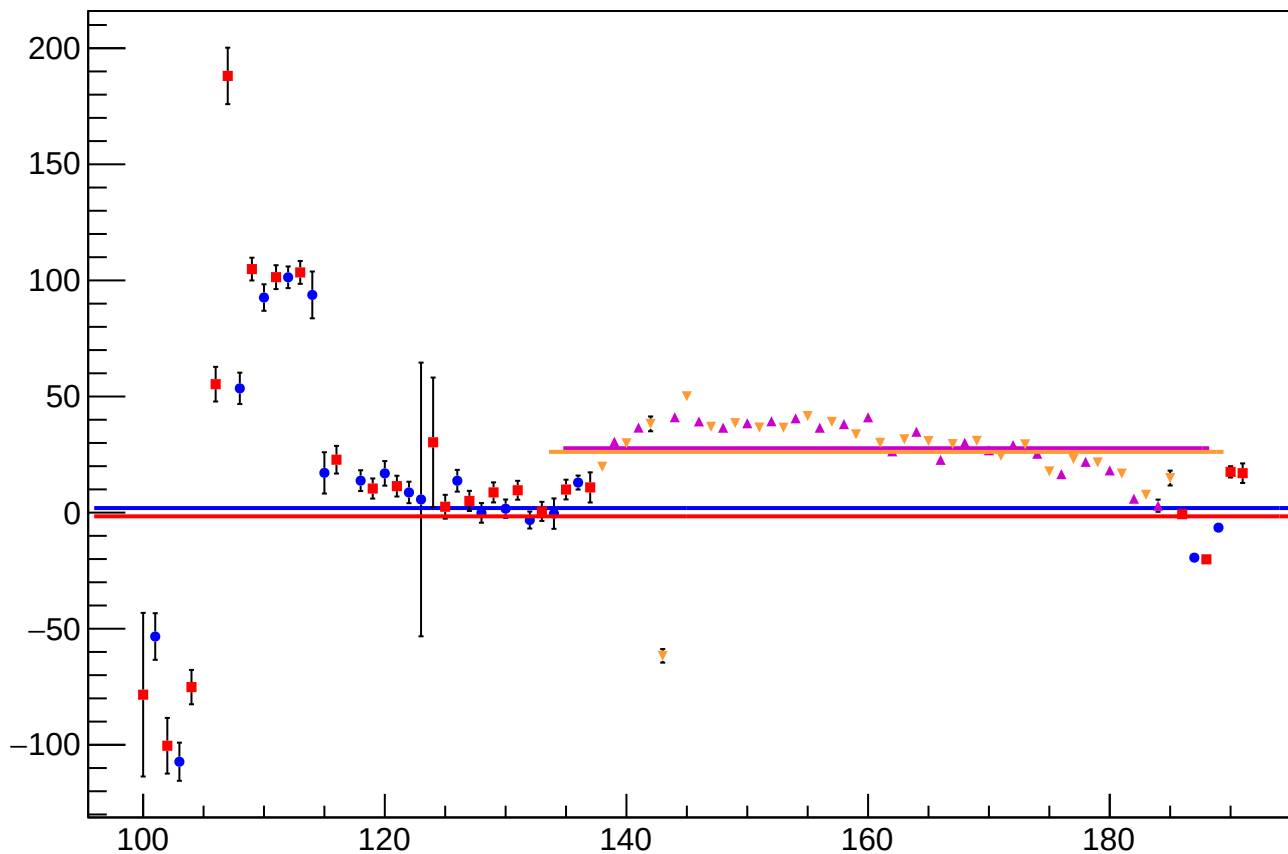
Right: -1.038 ± 0.413 χ^2/NDF : 224.6/41

In: -1.661 ± 0.271 χ^2/NDF : 206.8/41

Out: -2.114 ± 0.259 χ^2/NDF : 197.9/47

All: -1.897 ± 0.187 χ^2/NDF : 406.2/89

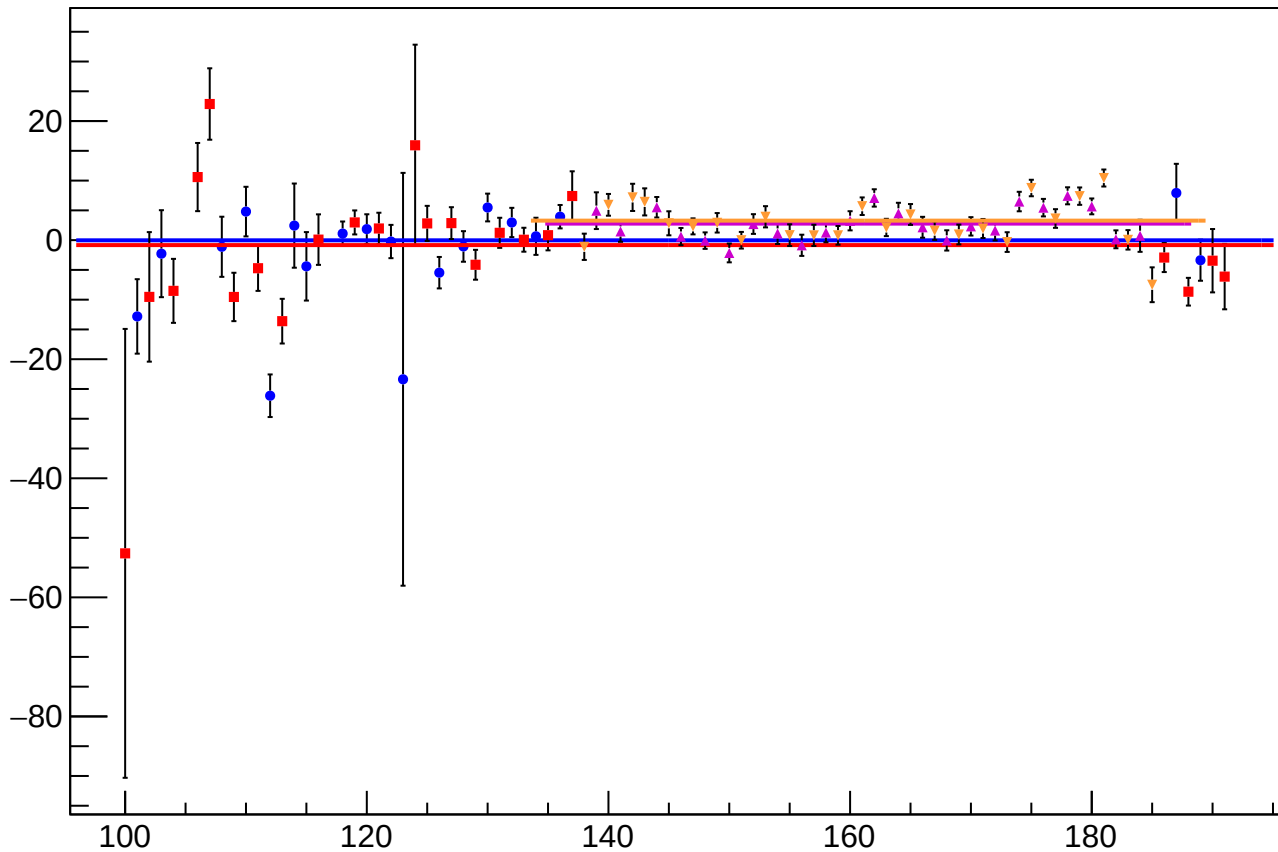
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.965 ± 0.872 $\chi^2/\text{NDF}: 1275.7/18$
 Left Out: 26.164 ± 0.373 $\chi^2/\text{NDF}: 1577.6/24$
 Right Out: -1.604 ± 0.581 $\chi^2/\text{NDF}: 2365.6/22$
 Left In: 27.725 ± 0.377 $\chi^2/\text{NDF}: 805.1/22$

Left: 26.936 ± 0.265 $\chi^2/\text{NDF}: 2391.3/47$
 Right: -0.507 ± 0.483 $\chi^2/\text{NDF}: 3652.9/41$
 In: 23.672 ± 0.346 $\chi^2/\text{NDF}: 2816.5/41$
 Out: 18.057 ± 0.314 $\chi^2/\text{NDF}: 5562.6/47$
 All: 20.593 ± 0.232 $\chi^2/\text{NDF}: 8523.8/89$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.031 ± 0.719 χ^2/NDF : 80.1/18

Left Out: 3.275 ± 0.332 χ^2/NDF : 101.8/24

Right Out: -0.834 ± 0.674 χ^2/NDF : 70.7/22

Left In: 2.777 ± 0.340 χ^2/NDF : 66.5/22

Left: 3.032 ± 0.238 χ^2/NDF : 169.4/47

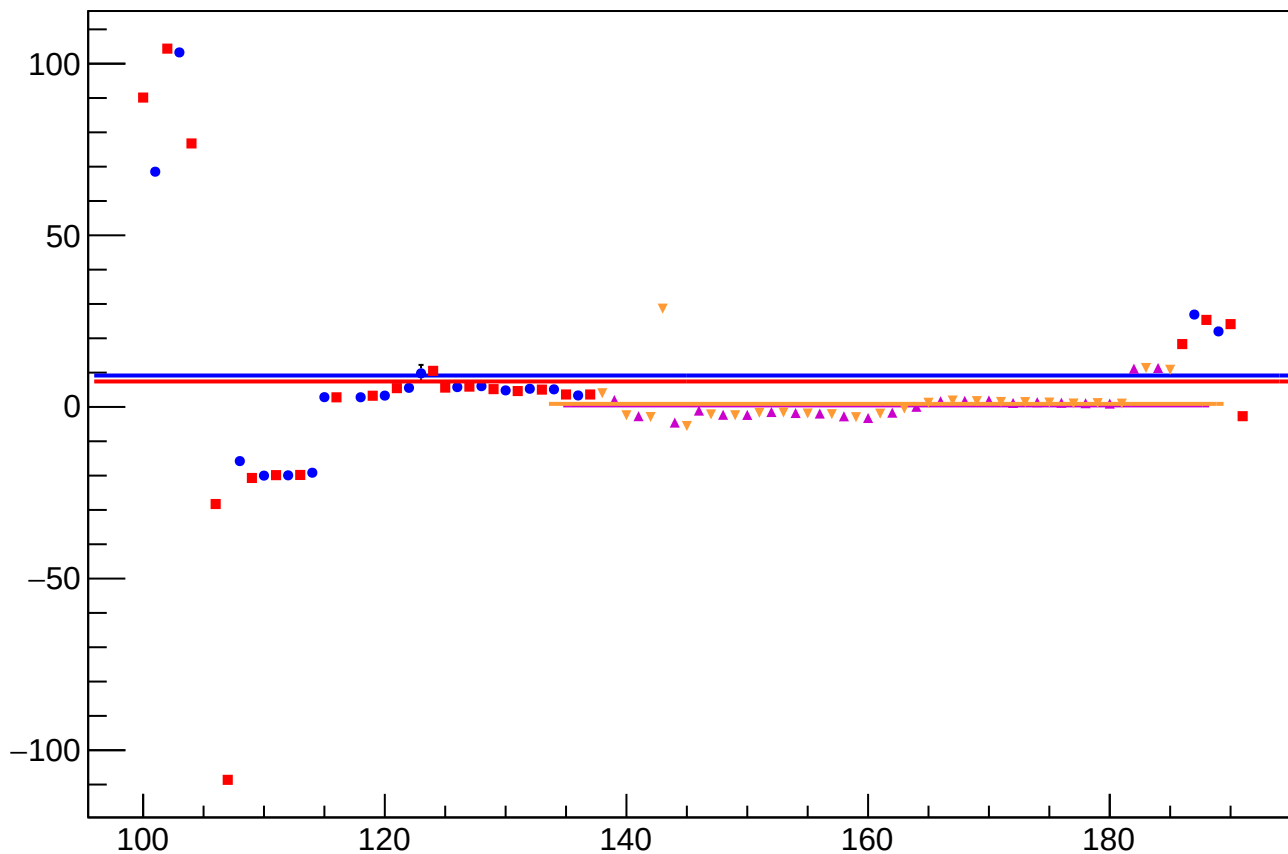
Right: -0.458 ± 0.492 χ^2/NDF : 151.5/41

In: 2.263 ± 0.308 χ^2/NDF : 159.1/41

Out: 2.472 ± 0.298 χ^2/NDF : 202.5/47

All: 2.371 ± 0.214 χ^2/NDF : 361.8/89

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 9.161 ± 0.042 $\chi^2/\text{NDF}: 369786.8/18$

Left Out: 0.898 ± 0.015 $\chi^2/\text{NDF}: 108195.0/24$

Right Out: 7.426 ± 0.039 $\chi^2/\text{NDF}: 561213.5/22$

Left In: 0.448 ± 0.015 $\chi^2/\text{NDF}: 50533.6/22$

Left: 0.675 ± 0.011 $\chi^2/\text{NDF}: 159162.0/47$

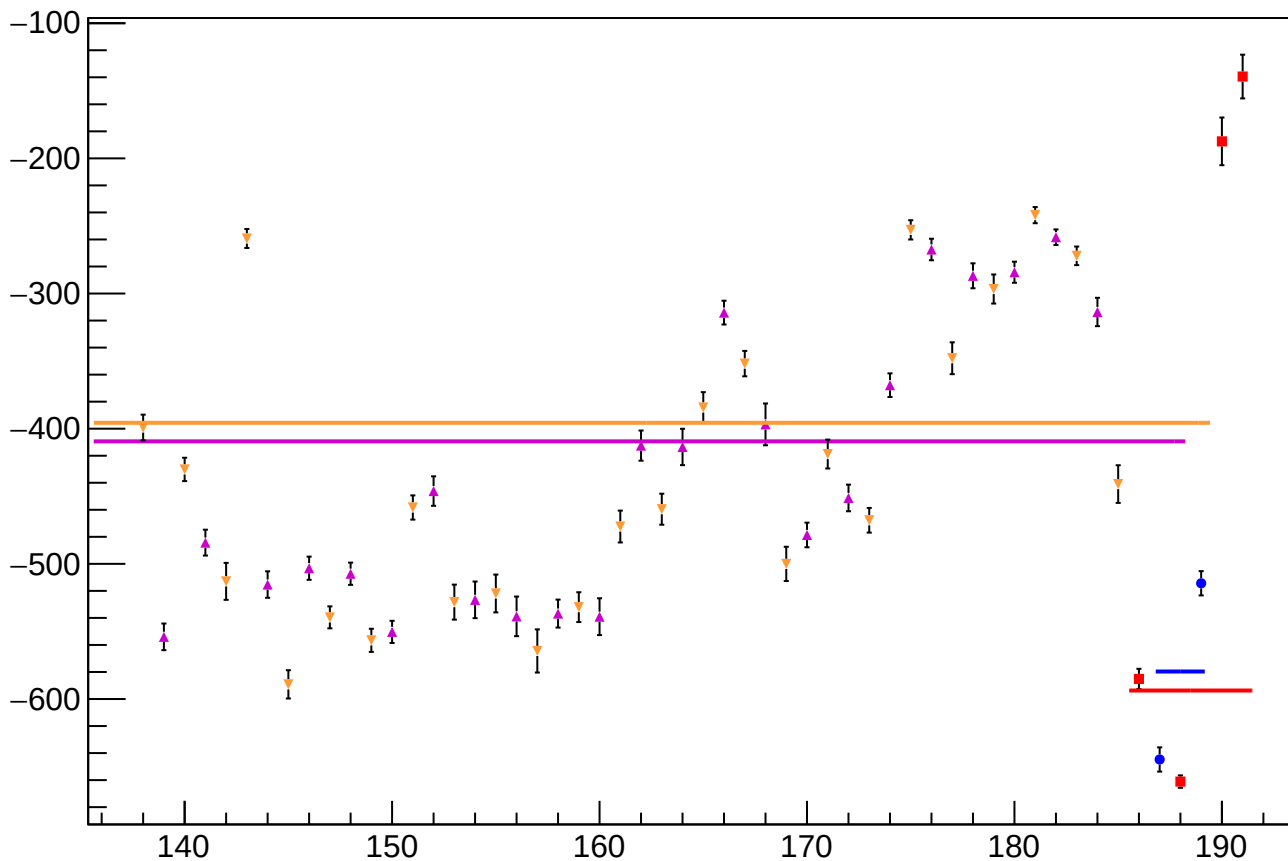
Right: 8.221 ± 0.028 $\chi^2/\text{NDF}: 931928.2/41$

In: 1.479 ± 0.014 $\chi^2/\text{NDF}: 458407.1/41$

Out: 1.777 ± 0.014 $\chi^2/\text{NDF}: 694198.6/47$

All: 1.631 ± 0.010 $\chi^2/\text{NDF}: 1152823.0/89$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -579.652+/-6.344 χ^2/NDF : 105.6/1

Left Out: -395.638+/-1.909 χ^2/NDF : 3704.0/24

Right Out: -593.714+/-3.721 χ^2/NDF : 1534.9/3

Left In: -409.377+/-1.971 χ^2/NDF : 3096.1/22

Left: -402.287+/-1.371 χ^2/NDF : 6825.2/47

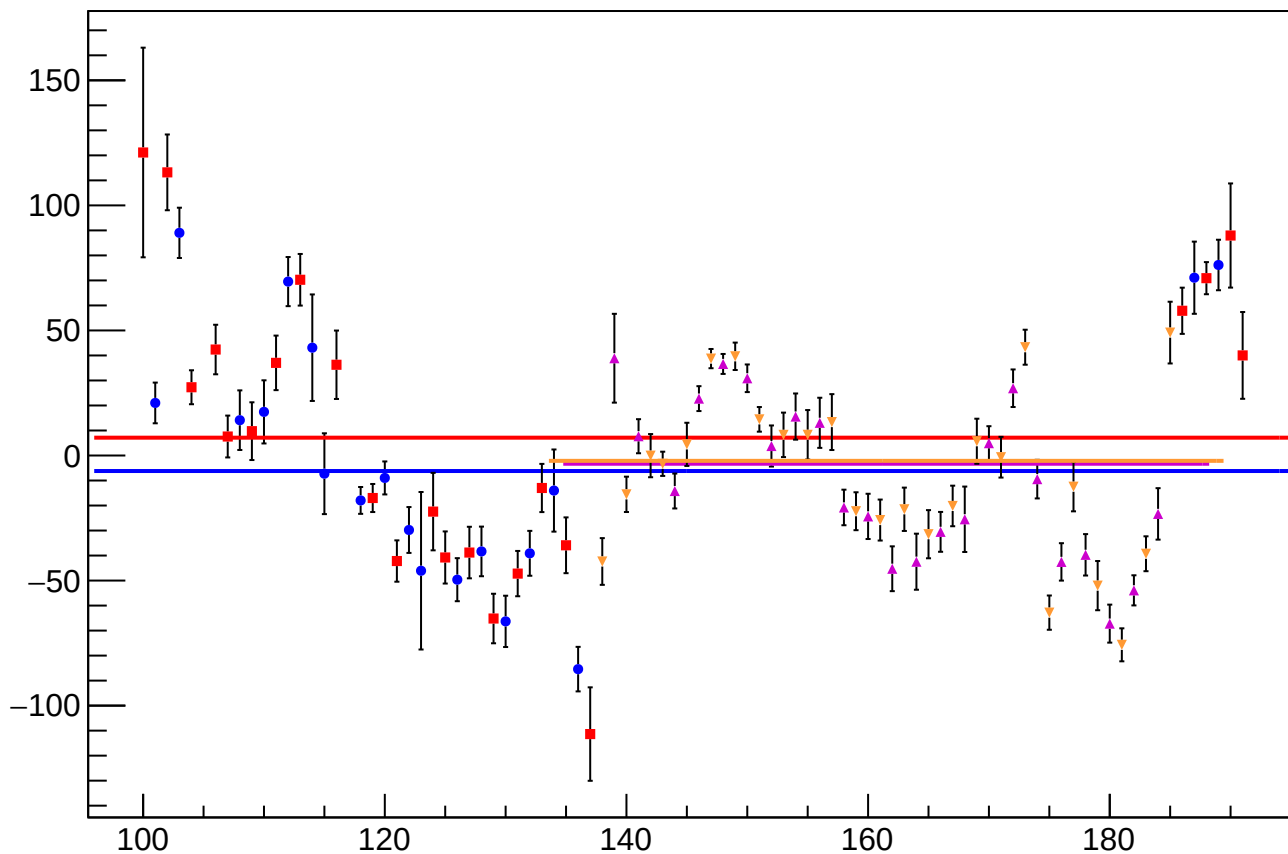
Right: -590.114+/-3.210 χ^2/NDF : 1644.1/5

In: -424.373+/-1.883 χ^2/NDF : 3858.8/24

Out: -436.902+/-1.699 χ^2/NDF : 7481.7/28

All: -431.280+/-1.261 χ^2/NDF : 11364.8/53

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.203 ± 2.226 $\chi^2/\text{NDF}: 443.7/18$

Left Out: -2.133 ± 1.435 $\chi^2/\text{NDF}: 562.8/24$

Right Out: 7.129 ± 2.056 $\chi^2/\text{NDF}: 522.5/22$

Left In: -3.290 ± 1.517 $\chi^2/\text{NDF}: 454.5/22$

Left: -2.680 ± 1.042 $\chi^2/\text{NDF}: 1017.6/47$

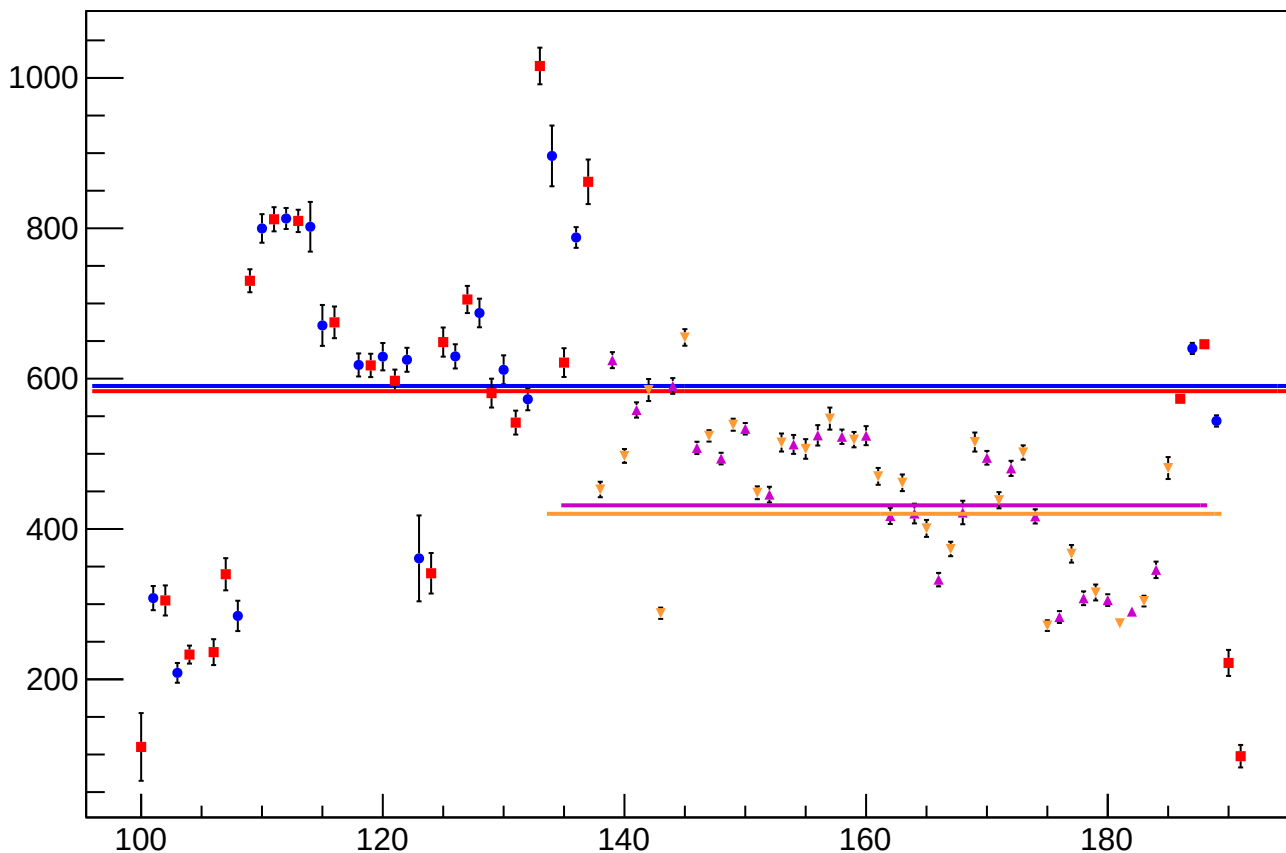
Right: 0.992 ± 1.510 $\chi^2/\text{NDF}: 985.6/41$

In: -4.213 ± 1.253 $\chi^2/\text{NDF}: 899.4/41$

Out: 0.902 ± 1.177 $\chi^2/\text{NDF}: 1098.9/47$

All: -1.495 ± 0.858 $\chi^2/\text{NDF}: 2007.2/89$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 590.252 $\pm$ 3.339 χ^2 /NDF: 2214.6/18

Left Out: 420.181 $\pm$ 1.916 χ^2 /NDF:3241.0/24

Right Out: 583.333 $\pm$ 2.443 χ^2 /NDF: 4575.5/22

Left In: 431.487 $\pm$ 1.964 χ^2 /NDF:2897.1/22

Left: 425.693 $\pm$ 1.371 χ^2 /NDF: 6155.1/47

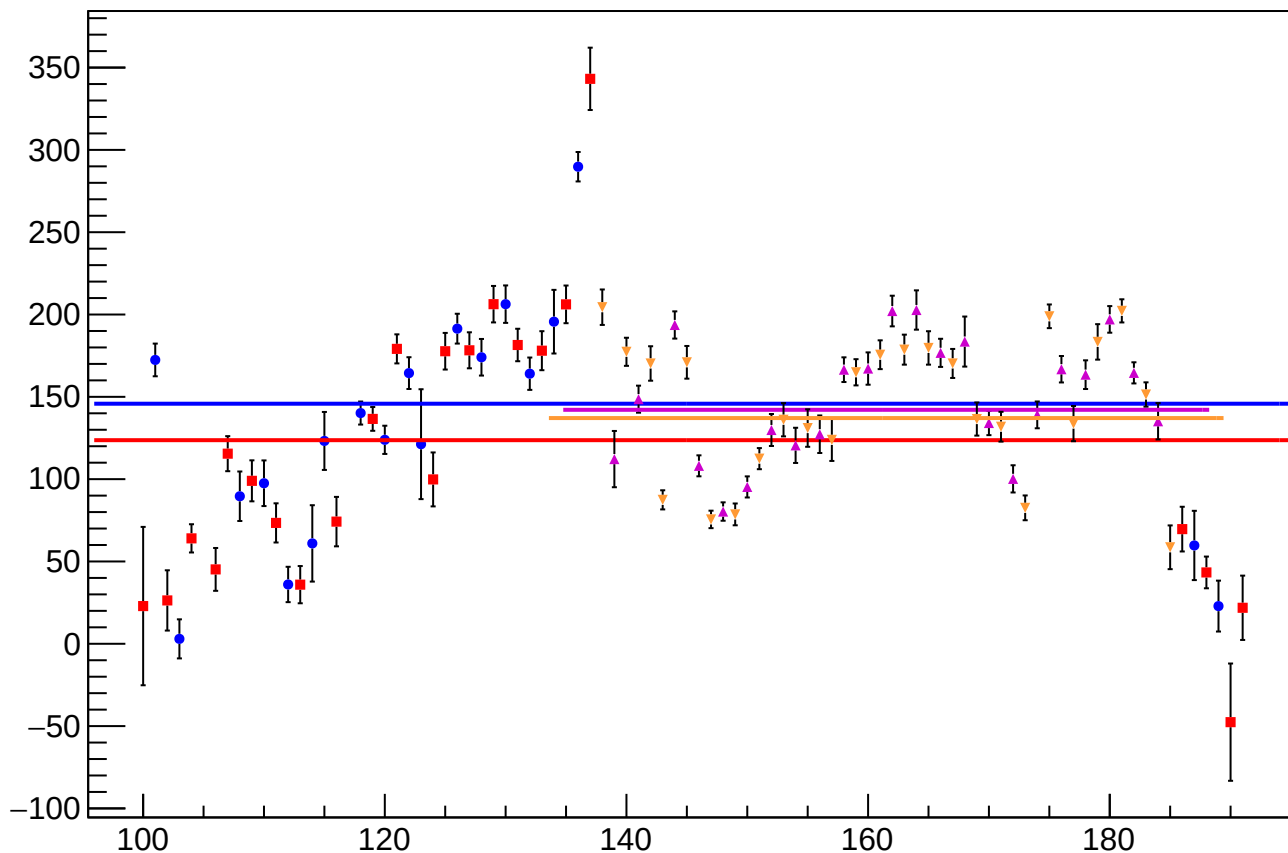
Right: 585.745 $\pm$ 1.972 χ^2 /NDF: 6792.9/41

In: 472.291 $\pm$ 1.693 χ^2 /NDF:6791.2/41

Out: 482.302 $\pm$ 1.507 χ^2 /NDF:10578.5/47

All: 477.875 $\pm$ 1.126 χ^2 /NDF: 17389.2/89

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 145.822 $\pm$ 2.614 χ^2 /NDF: 718.4/18

Left Out: 137.107 $\pm$ 1.663 χ^2 /NDF:738.9/24

Right Out: 123.673 $\pm$ 2.459 χ^2 /NDF: 737.2/22

Left In: 142.123 $\pm$ 1.740 χ^2 /NDF:463.8/22

Left: 139.501 $\pm$ 1.202 χ^2 /NDF: 1207.0/47

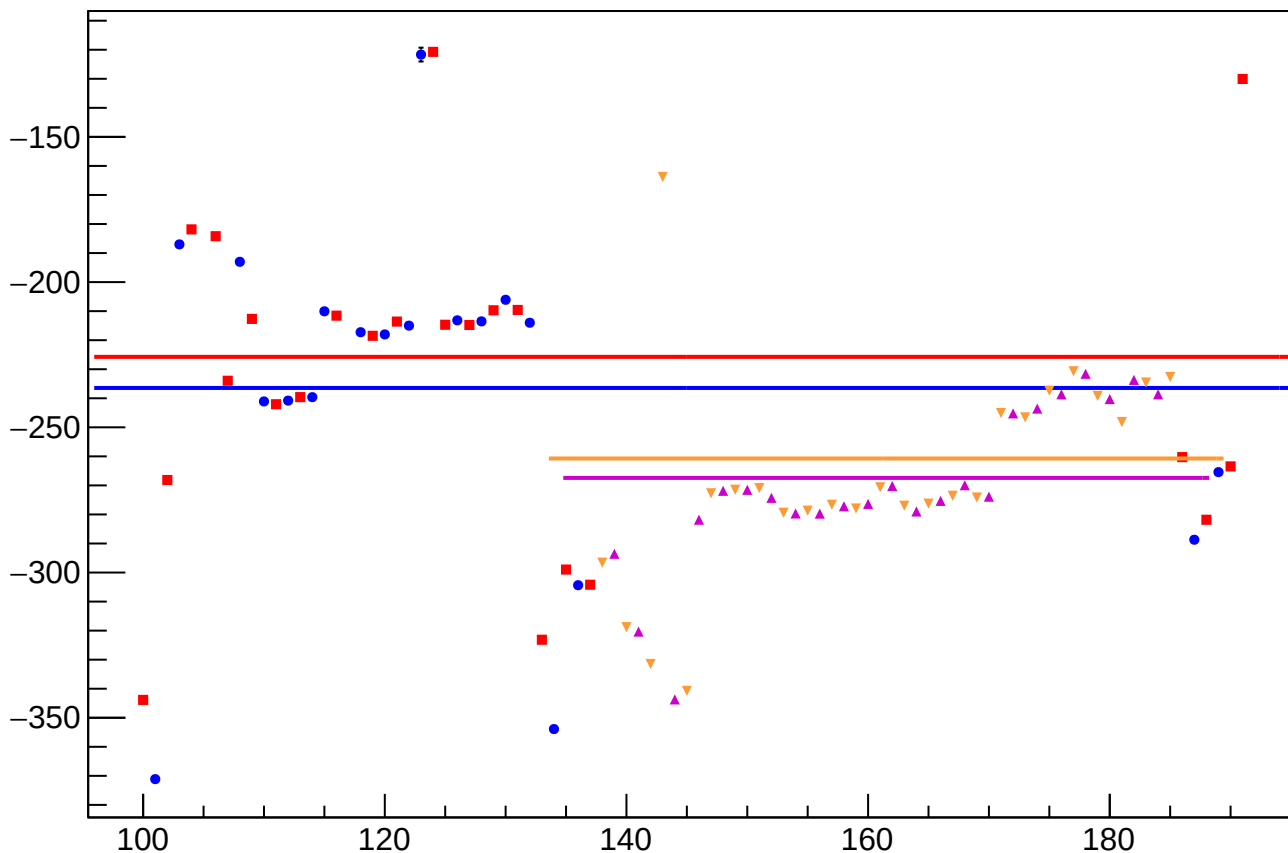
Right: 134.072 $\pm$ 1.791 χ^2 /NDF: 1493.7/41

In: 143.258 $\pm$ 1.449 χ^2 /NDF:1183.6/41

Out: 132.893 $\pm$ 1.377 χ^2 /NDF:1496.6/47

All: 137.815 $\pm$ 0.998 χ^2 /NDF: 2707.0/89

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -236.444 ± 0.144 $\chi^2/\text{NDF}: 148996.1/18$

Left Out: -260.729 ± 0.080 $\chi^2/\text{NDF}: 220125.6/24$

Right Out: -225.736 ± 0.130 $\chi^2/\text{NDF}: 146095.6/22$

Left In: -267.416 ± 0.081 $\chi^2/\text{NDF}: 98892.0/22$

Left: -263.998 ± 0.057 $\chi^2/\text{NDF}: 322472.0/47$

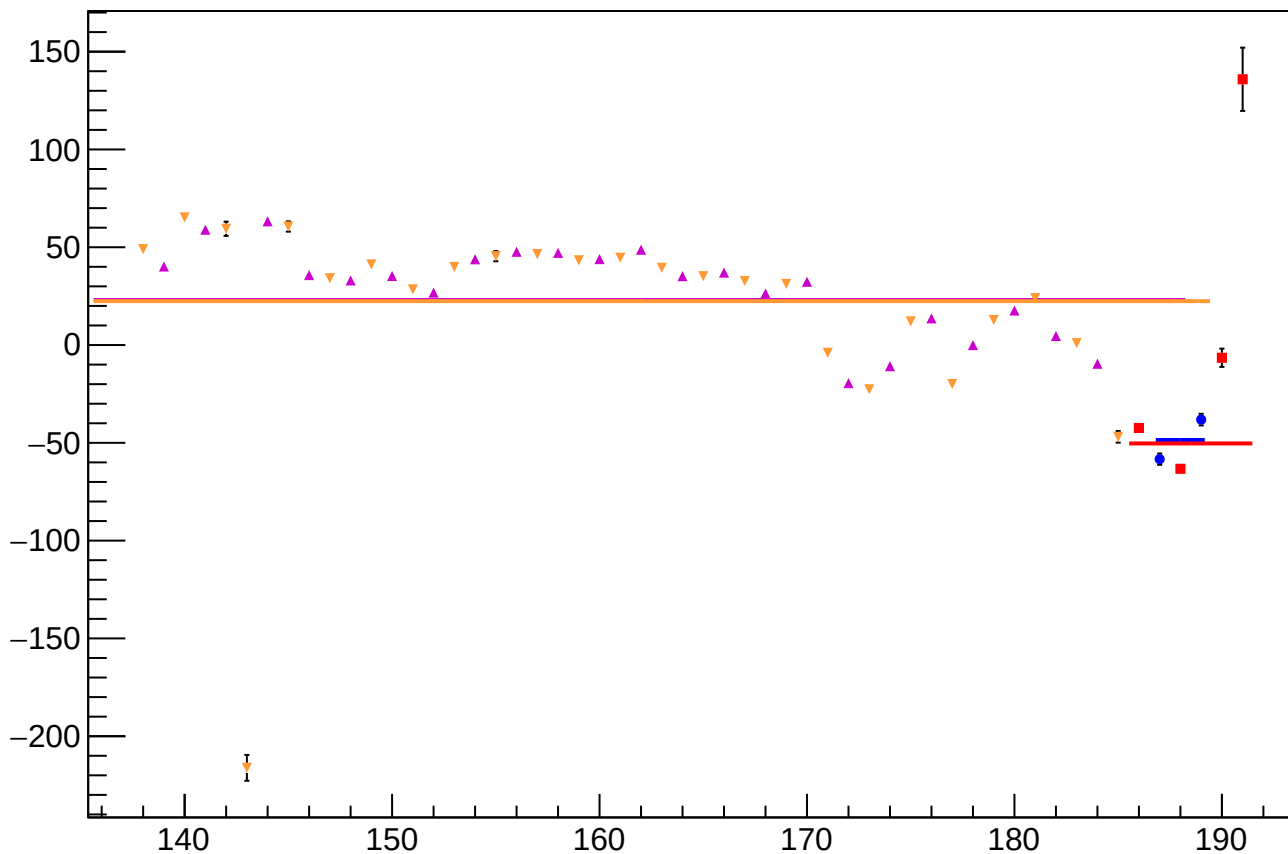
Right: -230.537 ± 0.096 $\chi^2/\text{NDF}: 298140.7/41$

In: -259.927 ± 0.071 $\chi^2/\text{NDF}: 282942.7/41$

Out: -251.181 ± 0.068 $\chi^2/\text{NDF}: 419024.5/47$

All: -255.365 ± 0.049 $\chi^2/\text{NDF}: 709919.9/89$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Left: 22.732 ± 0.282 $\chi^2/\text{NDF}: 7756.7/47$

Right: -49.917 ± 0.990 $\chi^2/\text{NDF}: 334.8/5$

In: 20.455 ± 0.393 $\chi^2/\text{NDF}: 3991.9/24$

Out: 14.335 ± 0.376 $\chi^2/\text{NDF}: 8956.4/28$

All: 17.263 ± 0.272 $\chi^2/\text{NDF}: 13075.1/53$

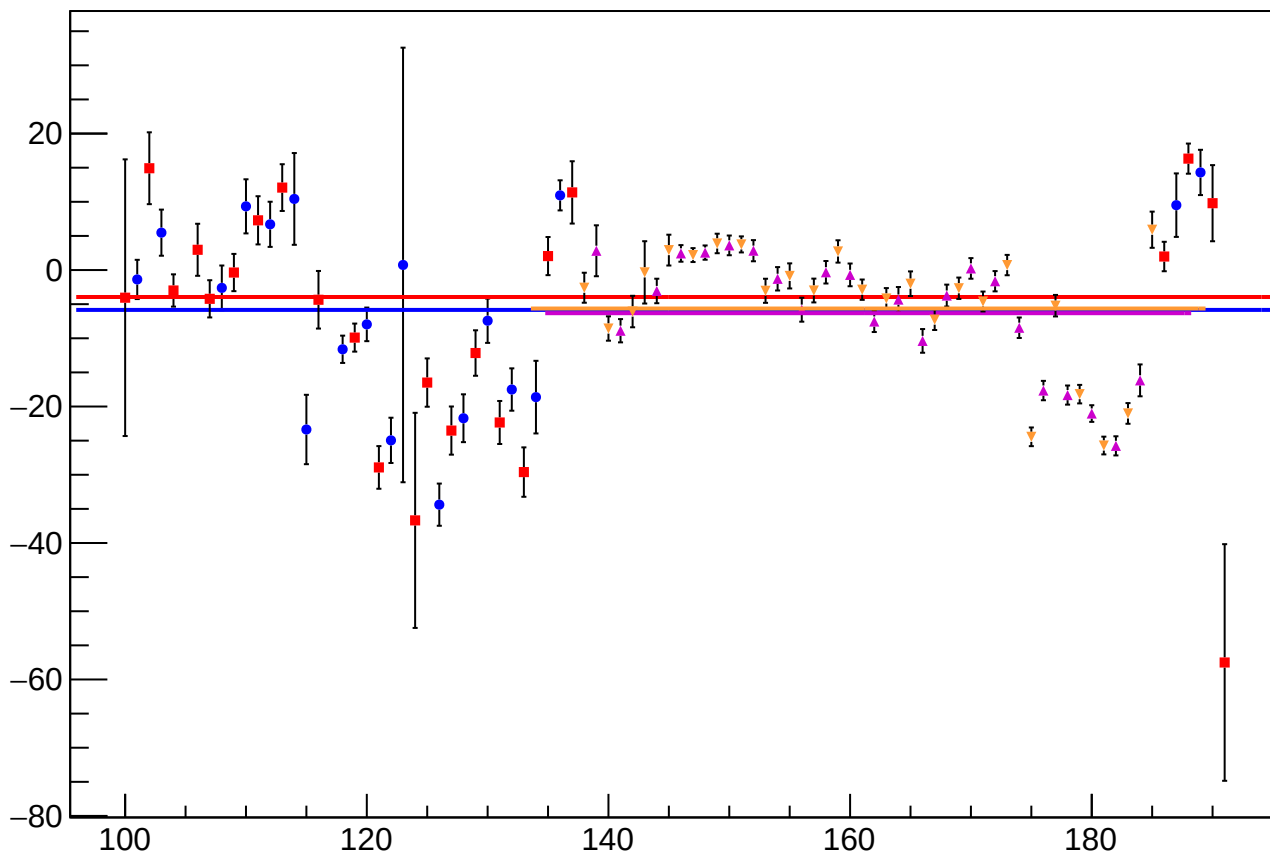
Right In: -48.552 ± 2.074 $\chi^2/\text{NDF}: 23.7/1$

Left Out: 22.446 ± 0.399 $\chi^2/\text{NDF}: 4935.8/24$

Right Out: -50.320 ± 1.126 $\chi^2/\text{NDF}: 310.5/3$

Left In: 23.019 ± 0.400 $\chi^2/\text{NDF}: 2819.9/22$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.841 ± 0.748 χ^2/NDF : 335.3/18

Left Out: -5.639 ± 0.316 χ^2/NDF : 891.5/24

Right Out: -3.949 ± 0.678 χ^2/NDF : 383.6/22

Left In: -6.323 ± 0.320 χ^2/NDF : 784.4/22

Left: -5.976 ± 0.225 χ^2/NDF : 1678.2/47

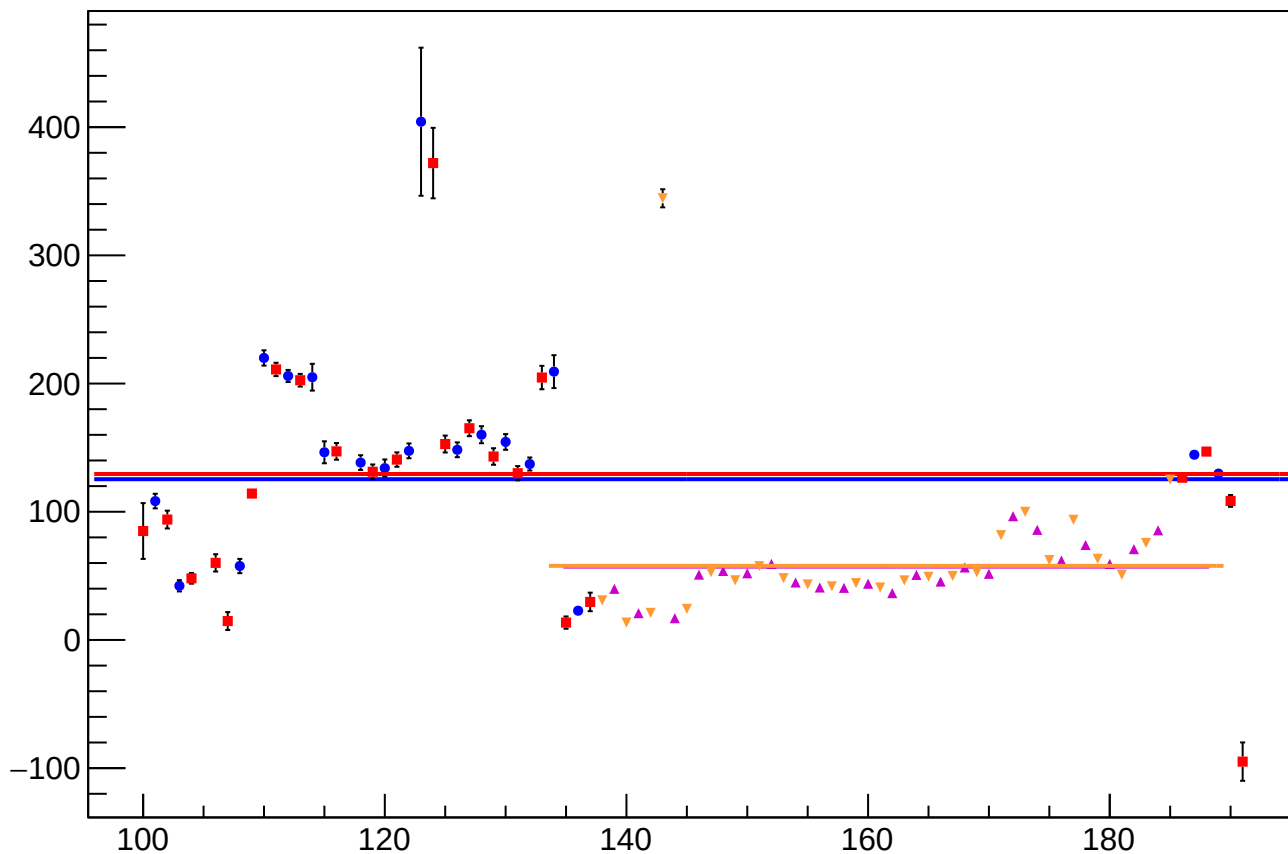
Right: -4.802 ± 0.502 χ^2/NDF : 722.4/41

In: -6.249 ± 0.294 χ^2/NDF : 1120.0/41

Out: -5.337 ± 0.286 χ^2/NDF : 1280.3/47

All: -5.780 ± 0.205 χ^2/NDF : 2405.2/89

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 125.381 $\pm$ 1.093 χ^2 /NDF: 2261.9/18

Left Out: 57.816 $\pm$ 0.398 χ^2 /NDF:4331.5/24

Right Out: 129.445 $\pm$ 0.759 χ^2 /NDF: 2701.0/22

Left In: 57.226 $\pm$ 0.398 χ^2 /NDF:1860.6/22

Left: 57.521 $\pm$ 0.281 χ^2 /NDF: 6193.2/47

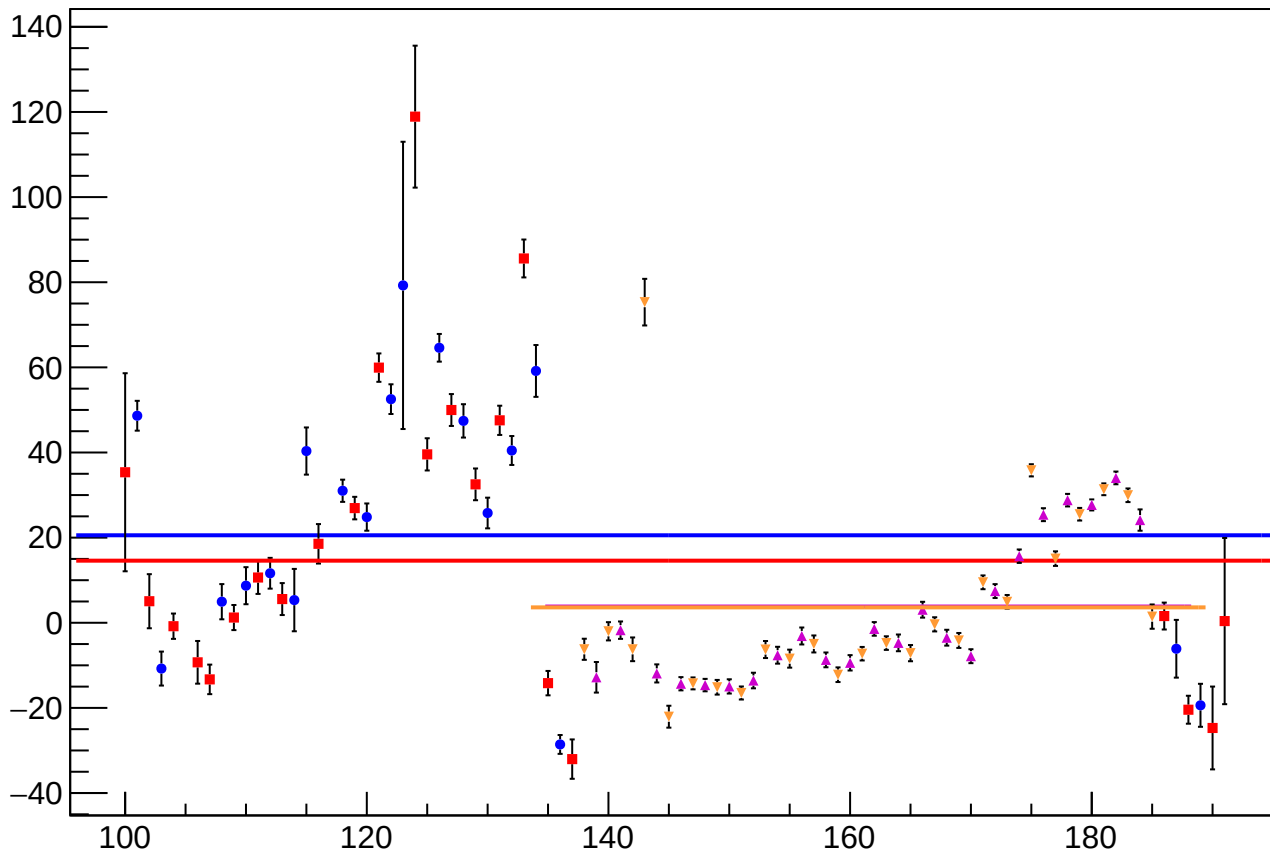
Right: 128.123 $\pm$ 0.624 χ^2 /NDF: 4972.2/41

In: 65.206 $\pm$ 0.374 χ^2 /NDF:7554.7/41

Out: 73.259 $\pm$ 0.353 χ^2 /NDF:14015.3/47

All: 69.471 $\pm$ 0.257 χ^2 /NDF: 21815.6/89

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.553 $\pm$ 0.868 χ^2 /NDF: 1153.1/18

Left Out: 3.615 $\pm$ 0.357 χ^2 /NDF:2501.2/24

Right Out: 14.589 $\pm$ 0.811 χ^2 /NDF: 1243.8/22

Left In: 3.812 $\pm$ 0.361 χ^2 /NDF:2203.5/22

Left: 3.712 $\pm$ 0.254 χ^2 /NDF: 4704.8/47

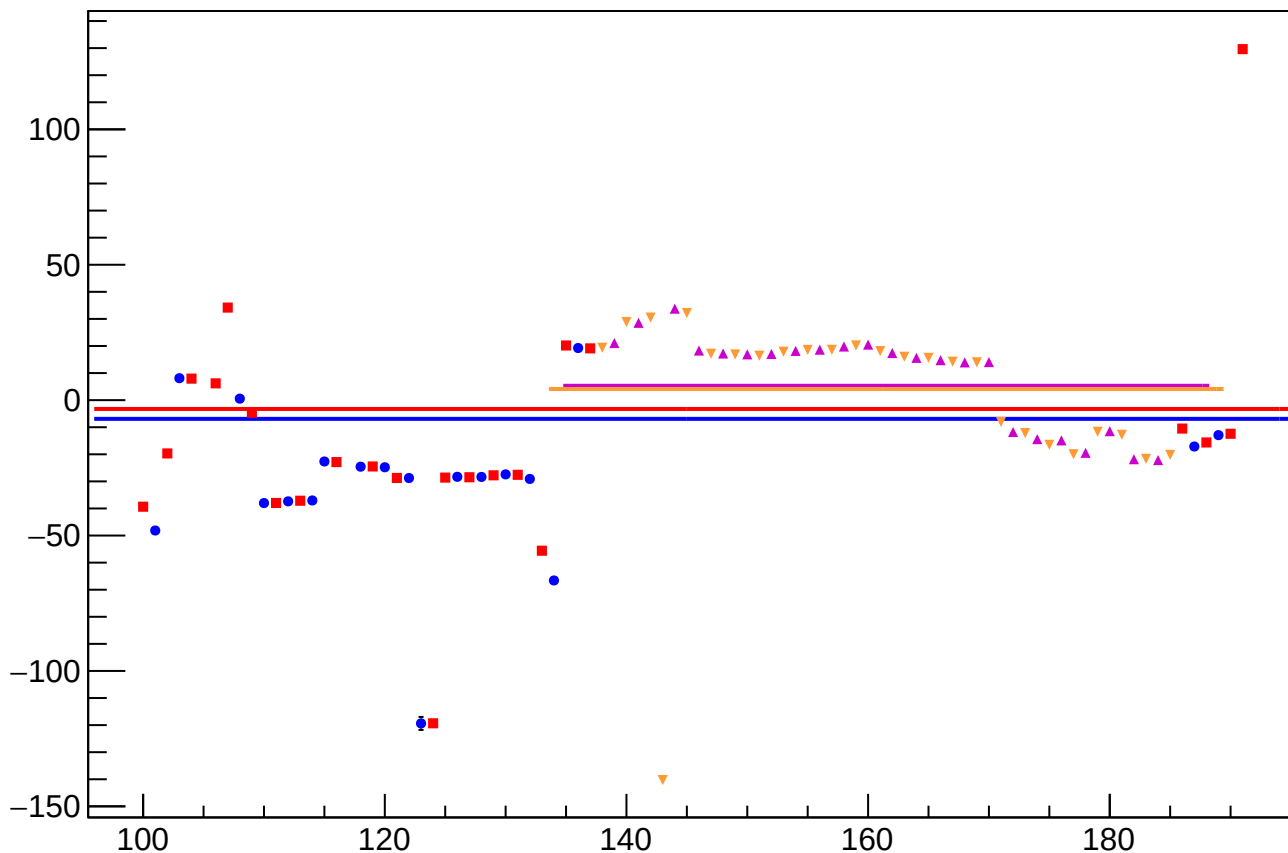
Right: 17.366 $\pm$ 0.593 χ^2 /NDF: 2422.1/41

In: 6.275 $\pm$ 0.333 χ^2 /NDF:3673.5/41

Out: 5.395 $\pm$ 0.327 χ^2 /NDF:3898.6/47

All: 5.826 $\pm$ 0.233 χ^2 /NDF: 7575.7/89

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.908 ± 0.045 χ^2/NDF : 267383.1/18

Left Out: 4.121 ± 0.016 χ^2/NDF : 1340176.5/24

Right Out: -3.251 ± 0.043 χ^2/NDF : 335787.5/22

Left In: 5.305 ± 0.016 χ^2/NDF : 1089610.2/22

Left: 4.714 ± 0.012 χ^2/NDF : 2432407.5/47

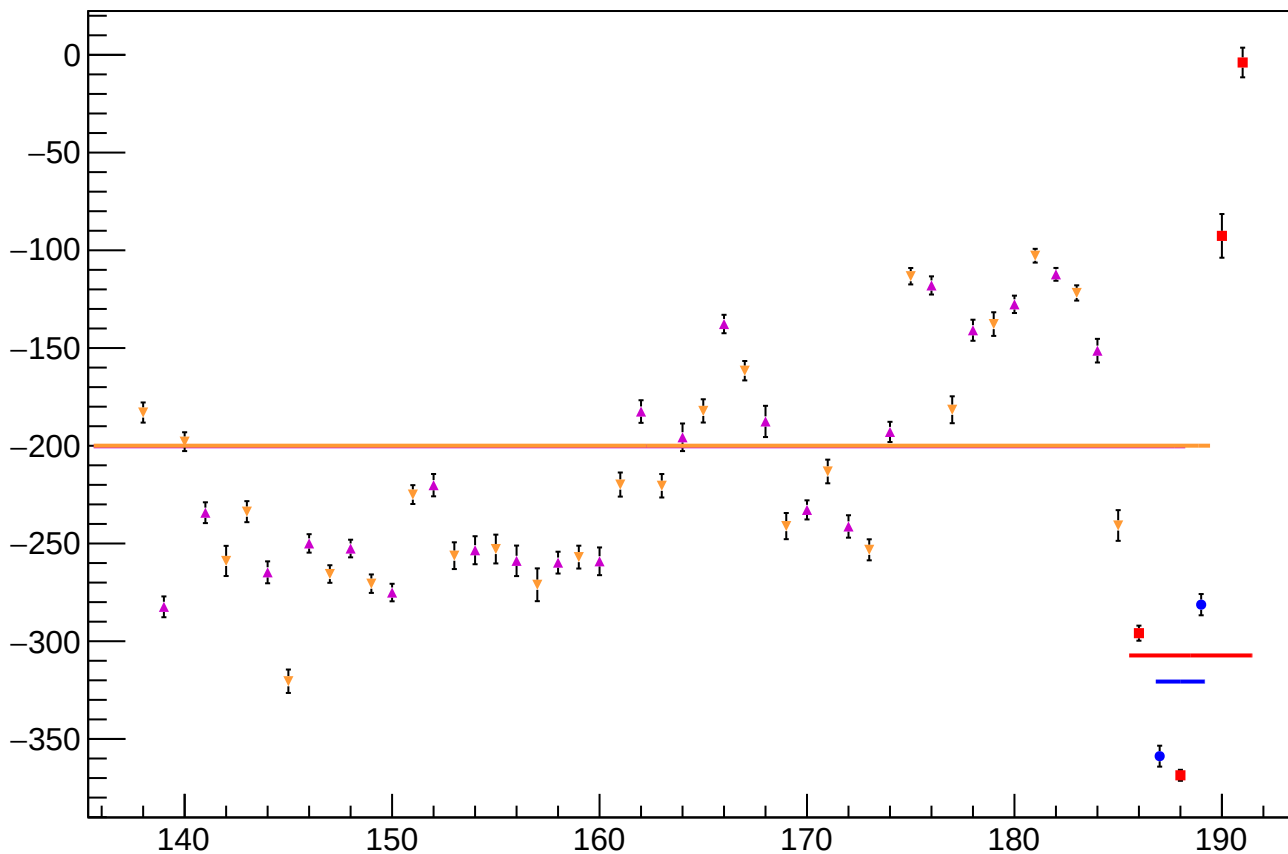
Right: -4.987 ± 0.031 χ^2/NDF : 606666.2/41

In: 3.871 ± 0.015 χ^2/NDF : 1422517.3/41

Out: 3.173 ± 0.015 χ^2/NDF : 1702038.5/47

All: 3.520 ± 0.011 χ^2/NDF : 3125591.2/89

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -320.636 ± 3.816 χ^2/NDF : 103.1/1

Left Out: -199.957 ± 1.082 χ^2/NDF : 3220.5/24

Right Out: -307.280 ± 2.136 χ^2/NDF : 2451.2/3

Left In: -200.276 ± 1.093 χ^2/NDF : 3013.8/22

Left: -200.115 ± 0.769 χ^2/NDF : 6234.3/47

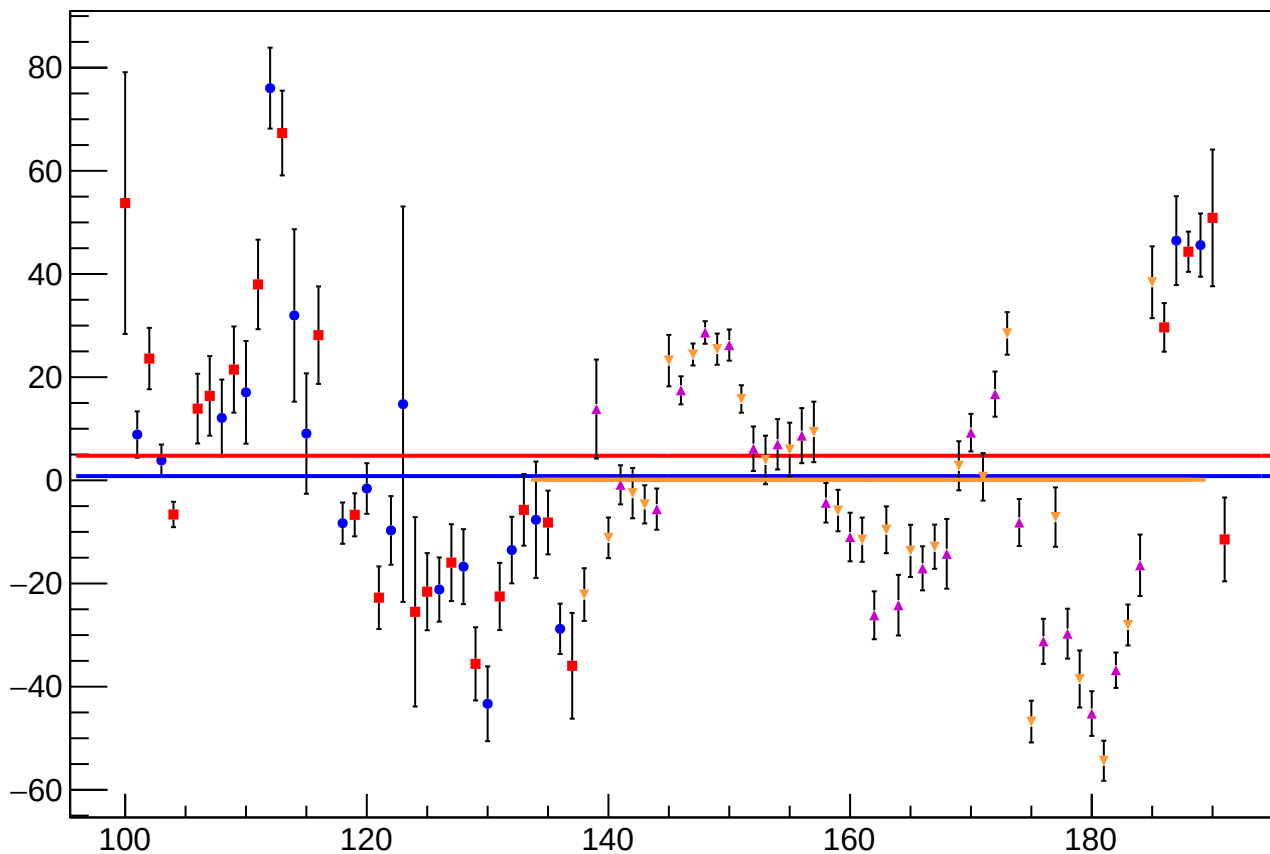
Right: -310.468 ± 1.864 χ^2/NDF : 2563.7/5

In: -209.408 ± 1.051 χ^2/NDF : 4036.4/24

Out: -221.852 ± 0.965 χ^2/NDF : 7680.5/28

All: -216.160 ± 0.711 χ^2/NDF : 11792.9/53

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.820 ± 1.393 χ^2/NDF : 292.2/18

Left Out: 0.116 ± 0.810 χ^2/NDF : 830.1/24

Right Out: 4.766 ± 1.247 χ^2/NDF : 392.3/22

Left In: 0.153 ± 0.836 χ^2/NDF : 719.6/22

Left: 0.134 ± 0.582 χ^2/NDF : 1549.7/47

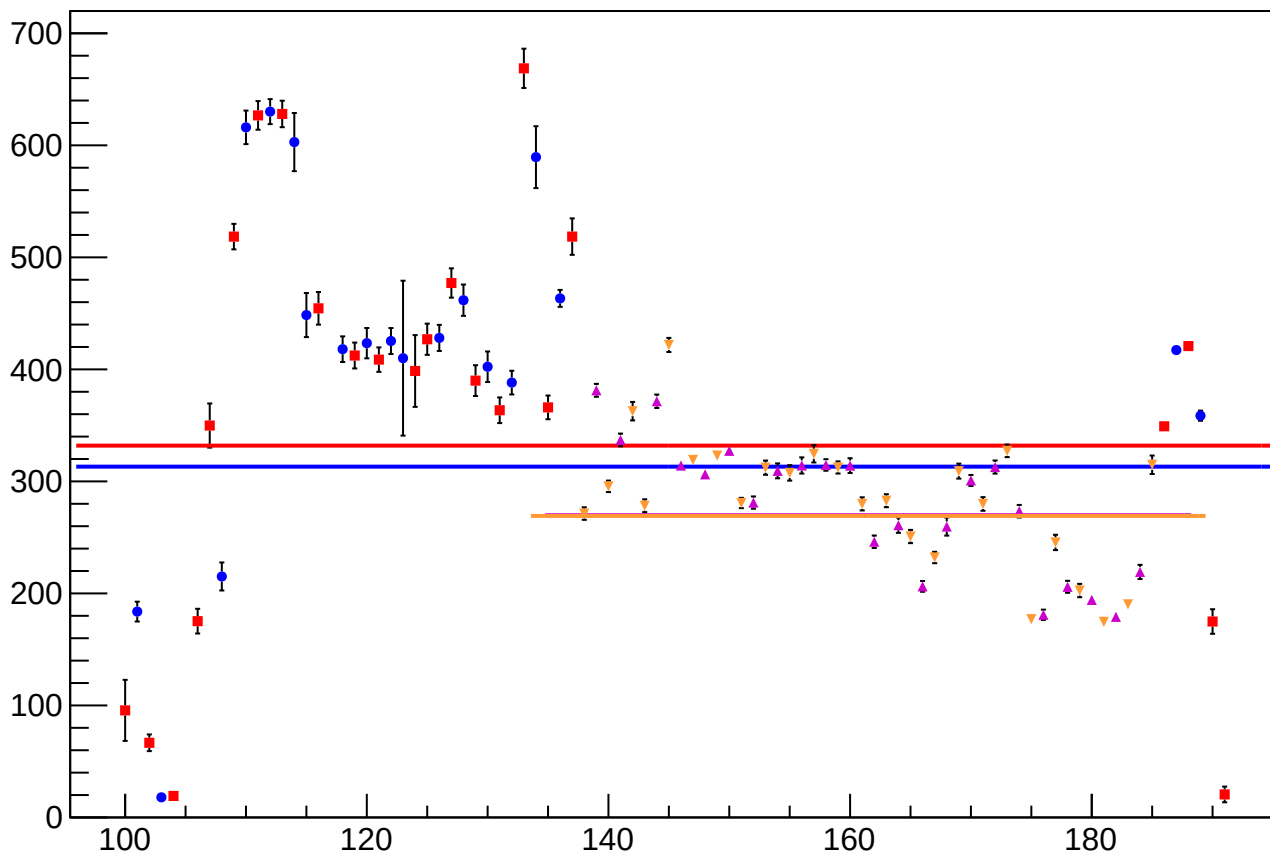
Right: 3.010 ± 0.929 χ^2/NDF : 689.0/41

In: 0.330 ± 0.717 χ^2/NDF : 1012.0/41

Out: 1.496 ± 0.680 χ^2/NDF : 1232.2/47

All: 0.944 ± 0.493 χ^2/NDF : 2245.6/89

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 313.159 $\pm$ 1.950 χ^2/NDF : 8675.8/18

Left Out: 269.181 $\pm$ 1.081 χ^2/NDF : 3148.5/24

Right Out: 331.922 $\pm$ 1.420 χ^2/NDF : 12780.0/22

Left In: 269.798 $\pm$ 1.087 χ^2/NDF : 3234.9/22

Left: 269.488 $\pm$ 0.766 χ^2/NDF : 6383.6/47

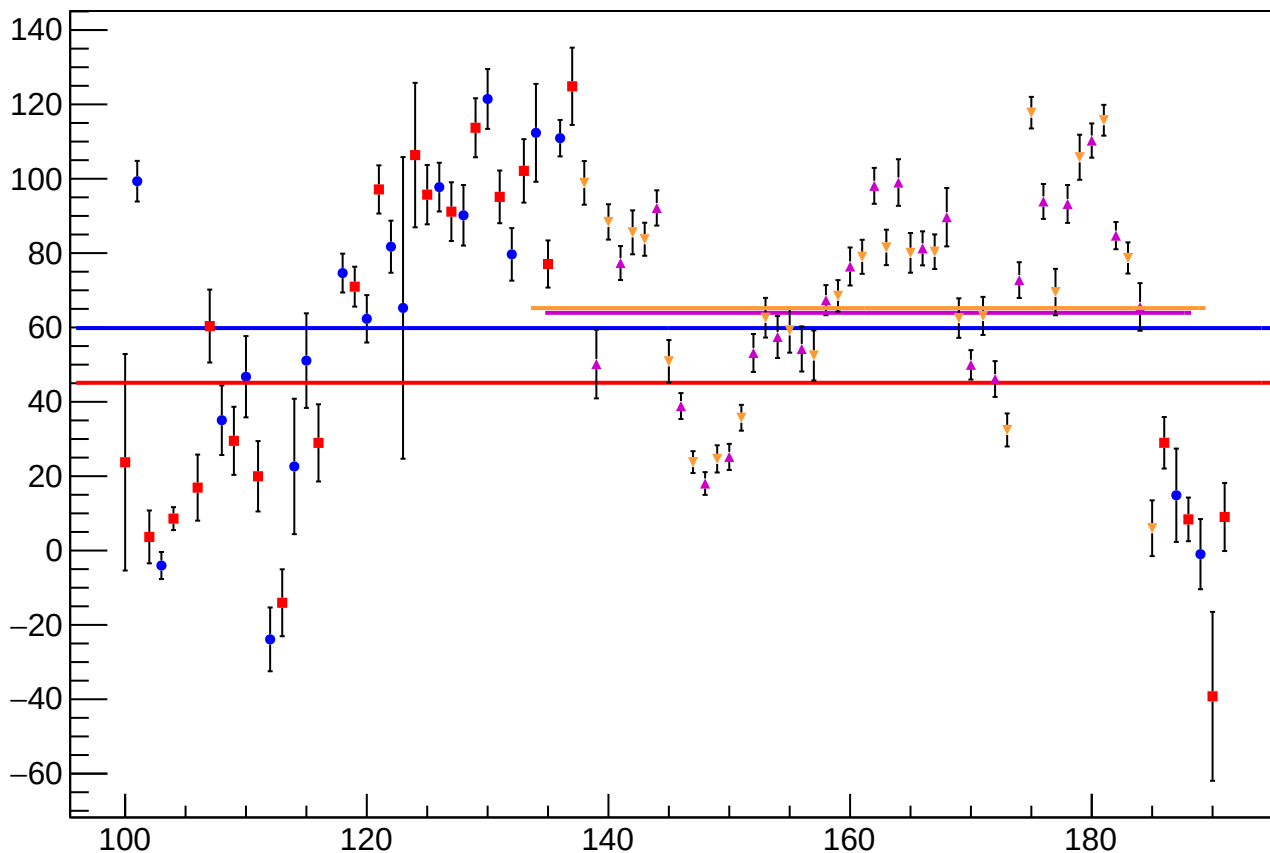
Right: 325.420 $\pm$ 1.148 χ^2/NDF : 21516.3/41

In: 280.081 $\pm$ 0.949 χ^2/NDF : 12288.1/41

Out: 292.202 $\pm$ 0.860 χ^2/NDF : 17164.9/47

All: 286.740 $\pm$ 0.637 χ^2/NDF : 29542.5/89

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 59.837 $\pm$ 1.638 χ^2 /NDF: 779.5/18

Left Out: 65.214 $\pm$ 0.938 χ^2 /NDF:1005.7/24

Right Out: 45.131 $\pm$ 1.518 χ^2 /NDF: 741.8/22

Left In: 63.944 $\pm$ 0.961 χ^2 /NDF:803.4/22

Left: 64.594 $\pm$ 0.671 χ^2 /NDF: 1809.9/47

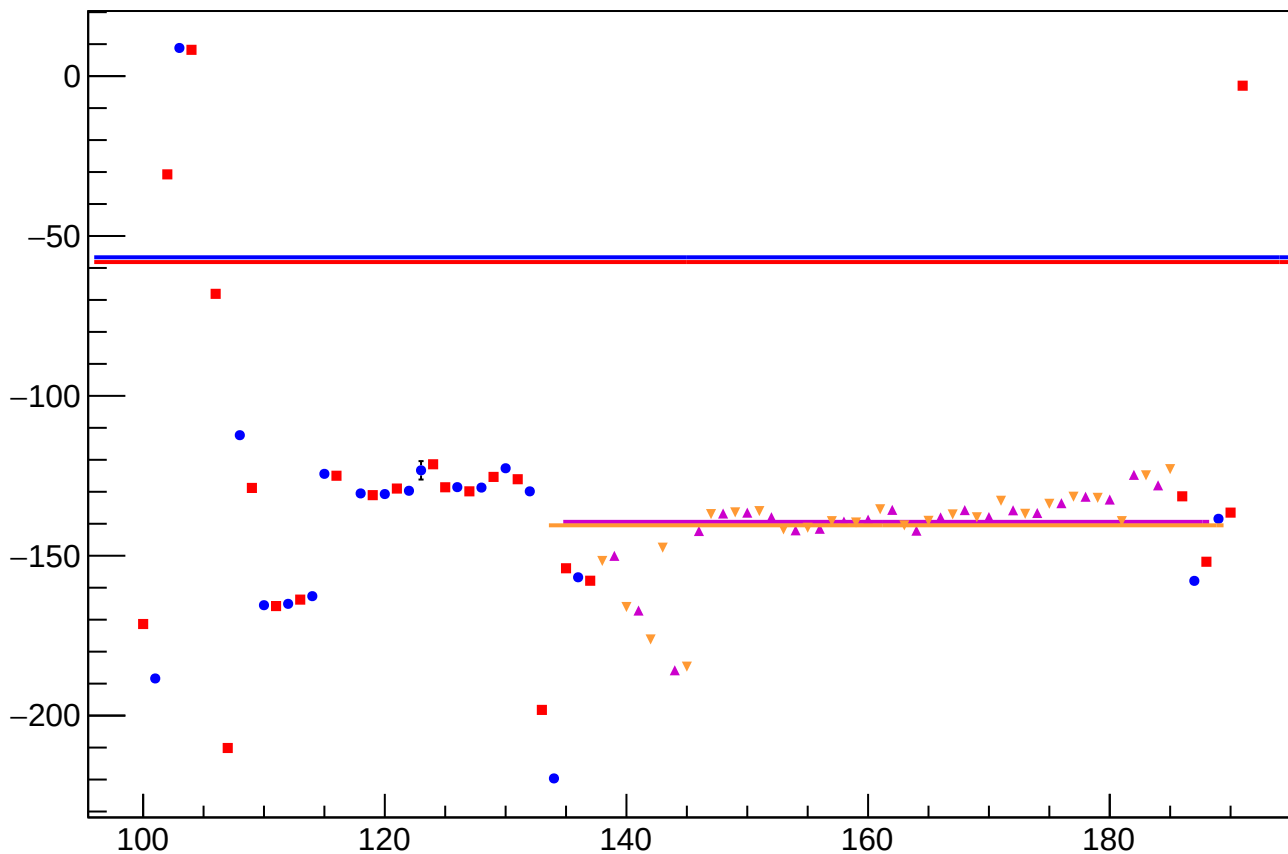
Right: 51.925 $\pm$ 1.113 χ^2 /NDF: 1564.6/41

In: 62.893 $\pm$ 0.829 χ^2 /NDF:1587.5/41

Out: 59.663 $\pm$ 0.798 χ^2 /NDF:1874.1/47

All: 61.217 $\pm$ 0.575 χ^2 /NDF: 3469.5/89

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -56.663+/-0.069 χ^2/NDF : 1287322.1/18

Left Out: -140.489+/-0.045 χ^2/NDF : 77350.7/24

Right Out: -58.155+/-0.067 χ^2/NDF : 1141596.4/22

Left In: -139.406+/-0.045 χ^2/NDF : 62878.4/22

Left: -139.949+/-0.032 χ^2/NDF : 140521.6/47

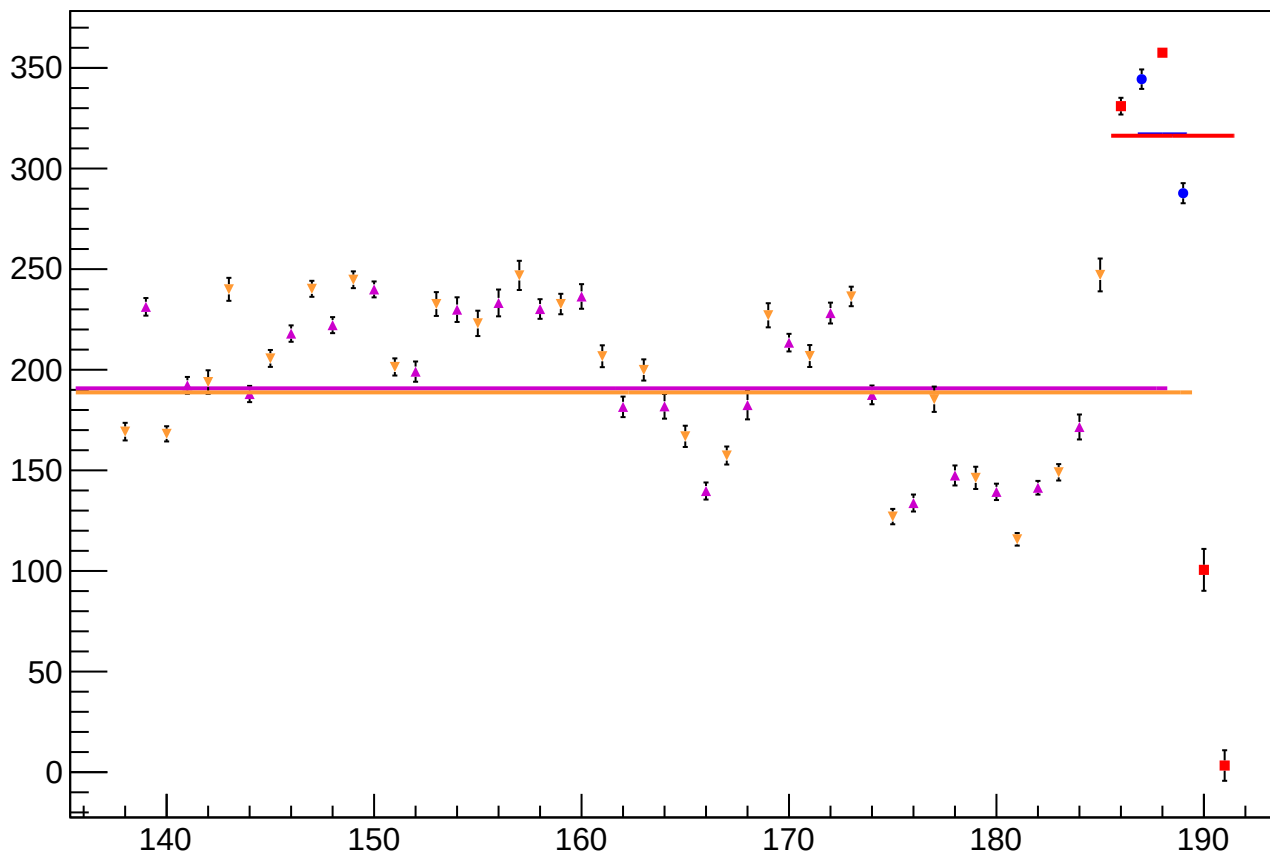
Right: -57.436+/-0.048 χ^2/NDF : 2429160.2/41

In: -114.869+/-0.038 χ^2/NDF : 2360102.6/41

Out: -114.932+/-0.037 χ^2/NDF : 2272438.5/47

All: -114.901+/-0.026 χ^2/NDF : 4632542.6/89

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 316.967 $\pm$ 3.476 χ^2 /NDF: 66.4/1

Left Out: 188.749 $\pm$ 0.958 χ^2 /NDF:1968.6/24

Right Out: 316.301 $\pm$ 2.025 χ^2 /NDF: 2414.1/3

Left In: 190.753 $\pm$ 0.971 χ^2 /NDF:1421.8/22

Left: 189.737 $\pm$ 0.682 χ^2 /NDF: 3392.5/47

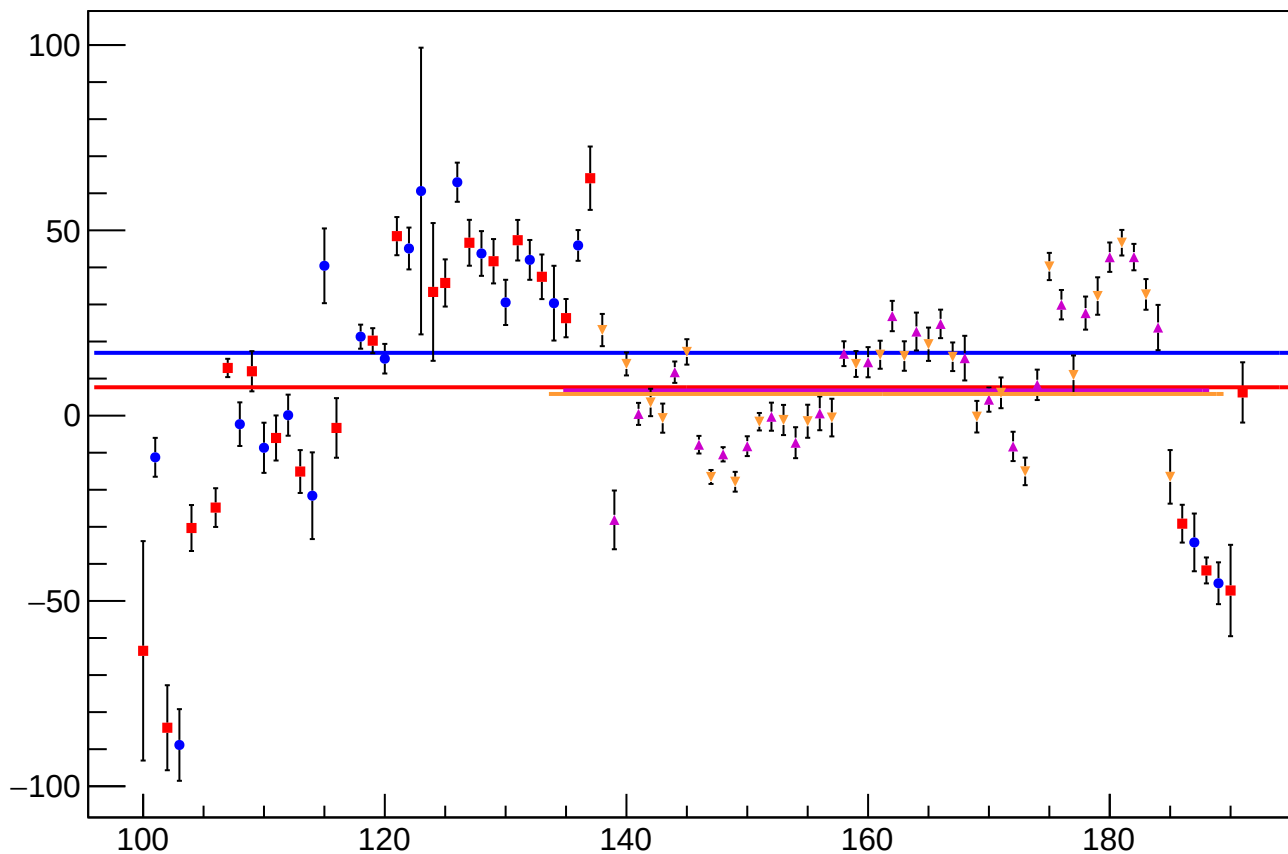
Right: 316.470 $\pm$ 1.750 χ^2 /NDF: 2480.5/5

In: 199.888 $\pm$ 0.935 χ^2 /NDF:2711.1/24

Out: 212.076 $\pm$ 0.866 χ^2 /NDF:7624.2/28

All: 206.449 $\pm$ 0.635 χ^2 /NDF: 10426.7/53

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.947 $\pm$ 1.316 χ^2 /NDF: 564.8/18

Left Out: 5.851 $\pm$ 0.714 χ^2 /NDF: 650.6/24

Right Out: 7.655 $\pm$ 1.116 χ^2 /NDF: 748.4/22

Left In: 6.797 $\pm$ 0.735 χ^2 /NDF: 525.8/22

Left: 6.311 $\pm$ 0.512 χ^2 /NDF: 1177.3/47

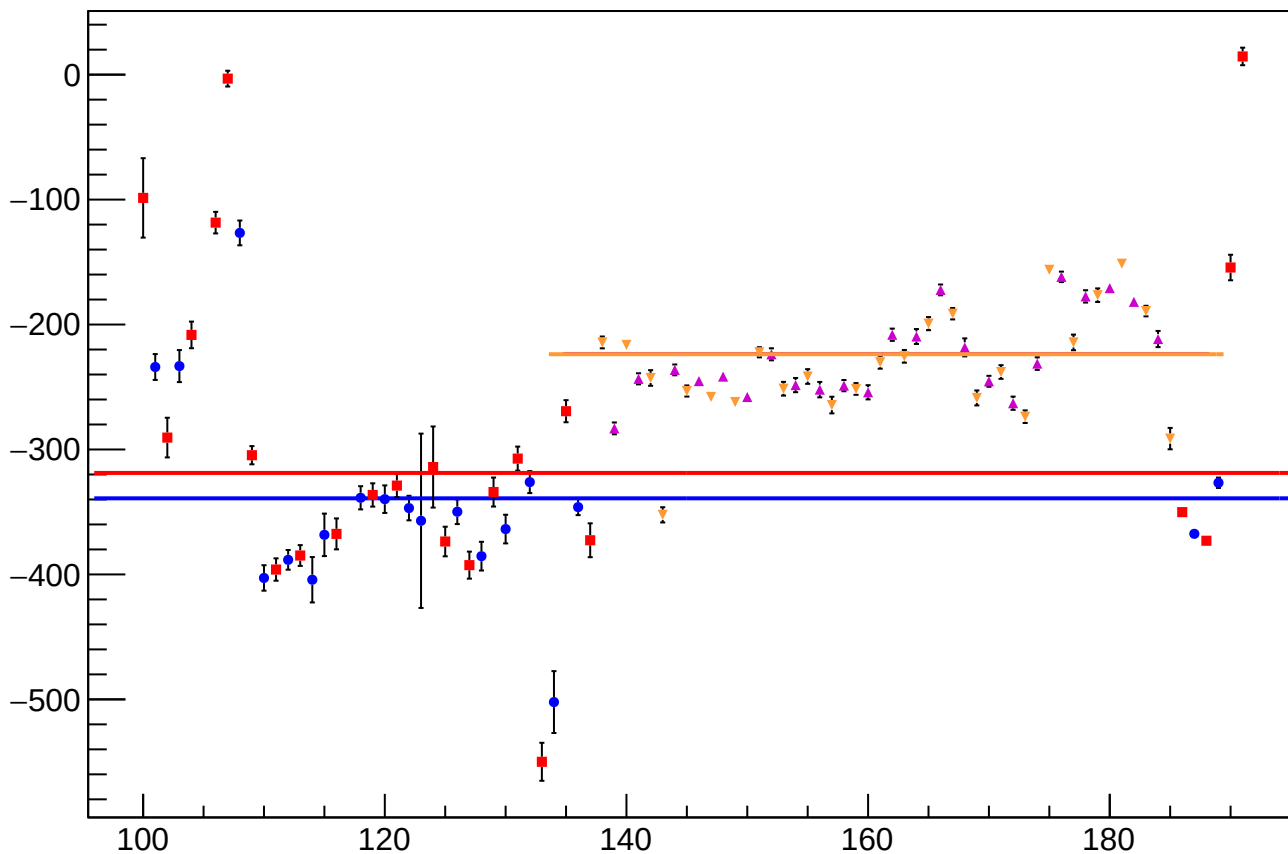
Right: 11.543 $\pm$ 0.851 χ^2 /NDF: 1342.2/41

In: 9.210 $\pm$ 0.641 χ^2 /NDF: 1136.0/41

Out: 6.376 $\pm$ 0.602 χ^2 /NDF: 1400.9/47

All: 7.702 $\pm$ 0.439 χ^2 /NDF: 2547.2/89

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -339.092 ± 1.912 χ^2/NDF : 852.5/18

Left Out: -223.752 ± 0.958 χ^2/NDF : 2021.5/24

Right Out: -318.761 ± 1.345 χ^2/NDF : 7031.1/22

Left In: -223.554 ± 0.966 χ^2/NDF : 1286.5/22

Left: -223.654 ± 0.680 χ^2/NDF : 3308.0/47

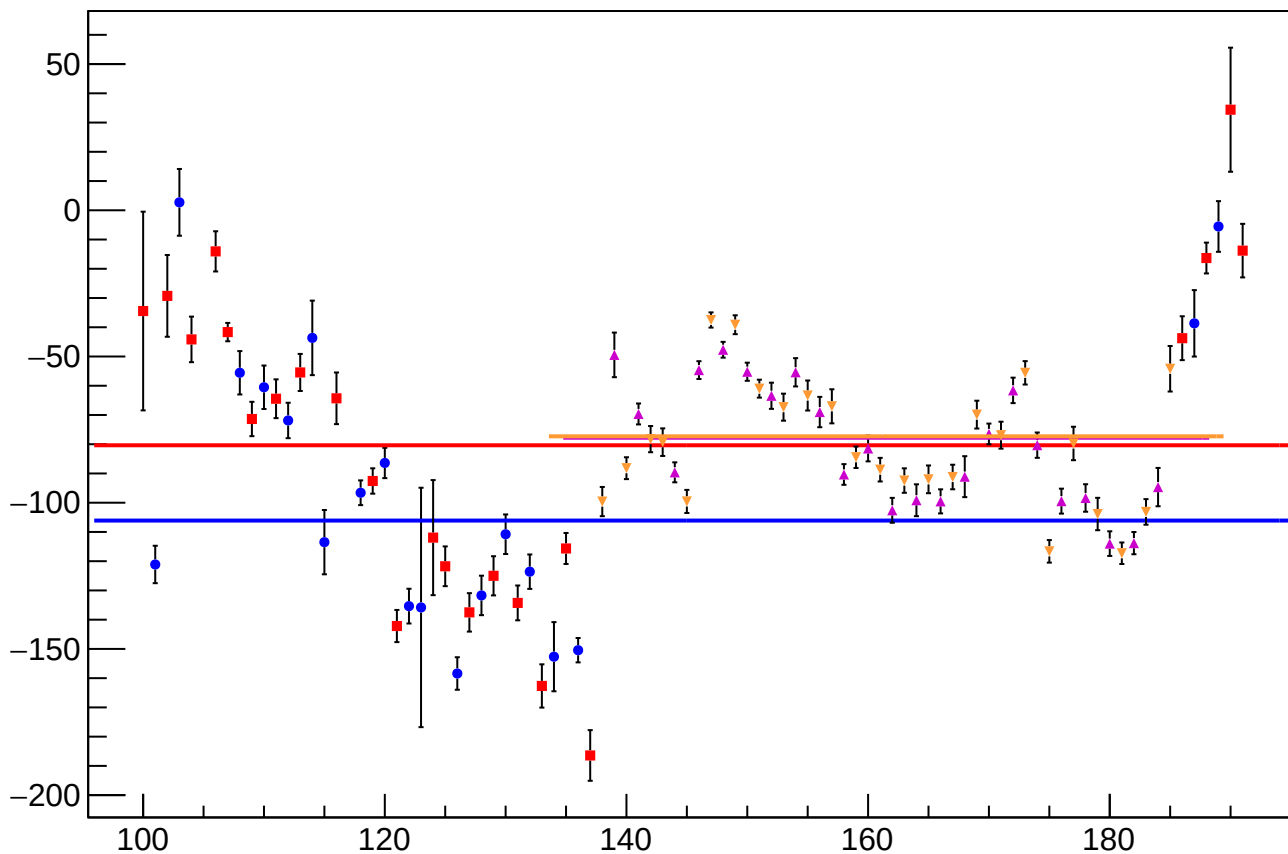
Right: -325.488 ± 1.100 χ^2/NDF : 7959.3/41

In: -247.032 ± 0.862 χ^2/NDF : 5048.4/41

Out: -255.741 ± 0.780 χ^2/NDF : 12364.6/47

All: -251.819 ± 0.578 χ^2/NDF : 17469.1/89

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.107 ± 1.538 χ^2/NDF : 692.2/18

Left Out: -77.296 ± 0.829 χ^2/NDF : 844.6/24

Right Out: -80.360 ± 1.344 χ^2/NDF : 1256.2/22

Left In: -77.777 ± 0.847 χ^2/NDF : 624.5/22

Left: -77.531 ± 0.592 χ^2/NDF : 1469.2/47

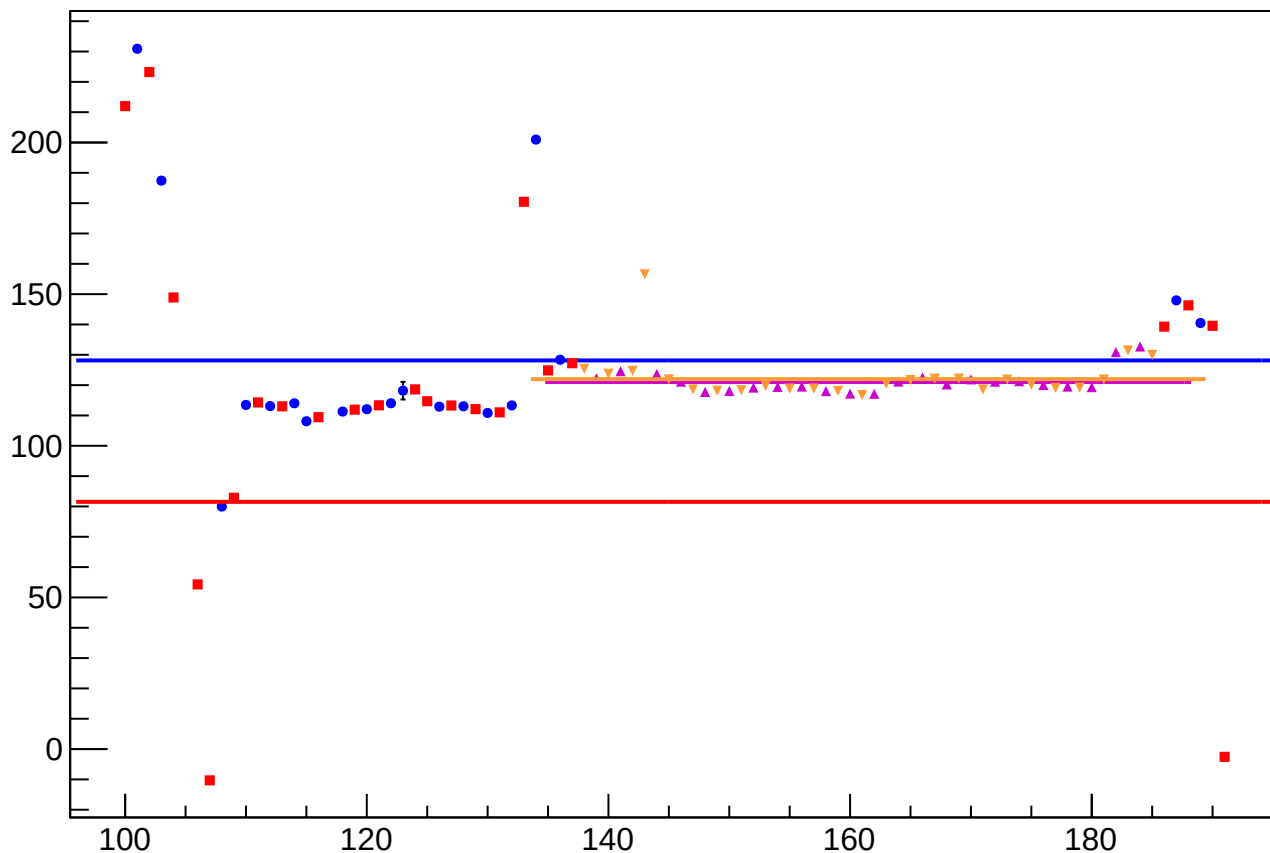
Right: -91.507 ± 1.012 χ^2/NDF : 2107.3/41

In: -84.367 ± 0.742 χ^2/NDF : 1577.1/41

Out: -78.140 ± 0.705 χ^2/NDF : 2104.6/47

All: -81.098 ± 0.511 χ^2/NDF : 3718.7/89

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 128.145+/-0.086 χ^2/NDF : 190032.3/18

Left Out: 121.972+/-0.039 χ^2/NDF : 27431.1/24

Right Out: 81.525+/-0.069 χ^2/NDF : 949743.1/22

Left In: 121.045+/-0.040 χ^2/NDF : 7903.5/22

Left: 121.510+/-0.028 χ^2/NDF : 35609.5/47

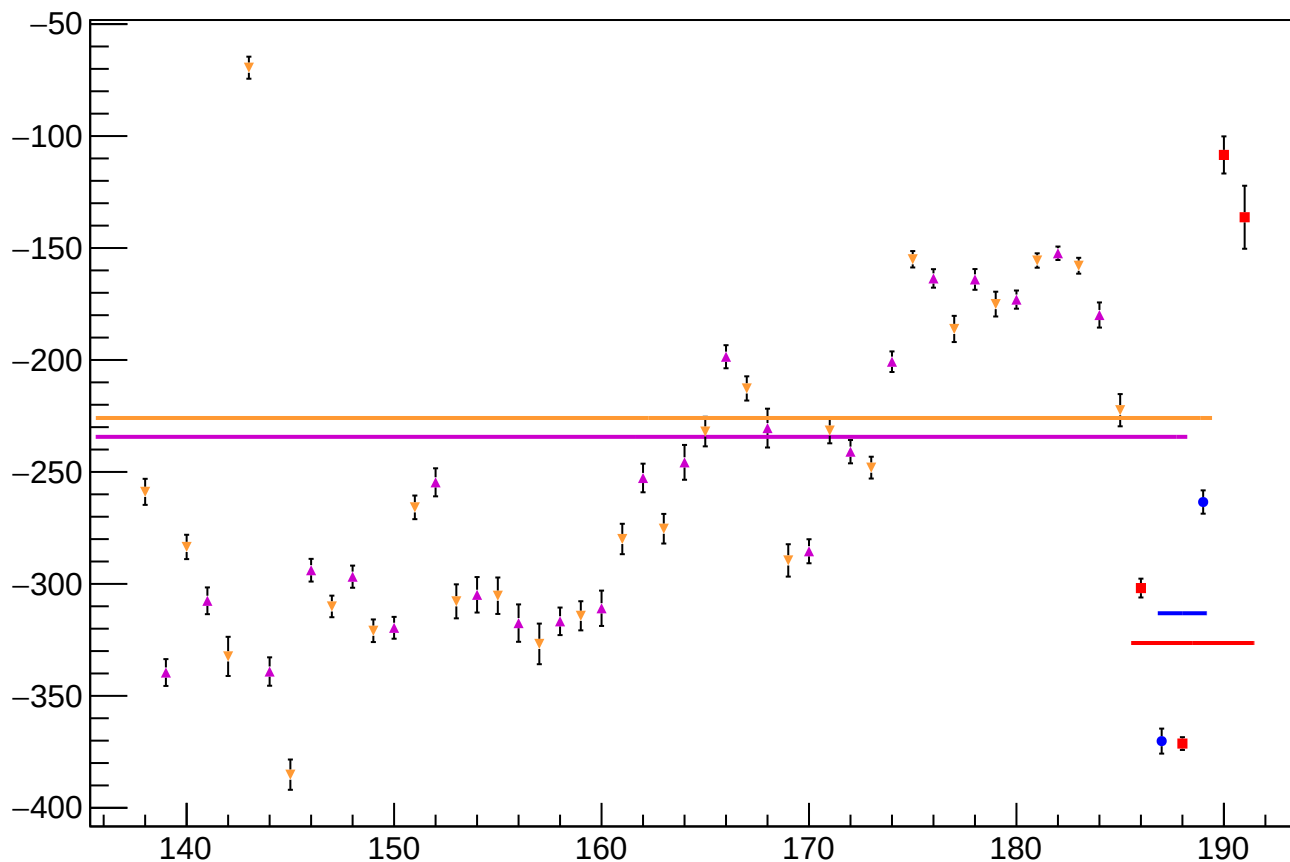
Right: 99.715+/-0.054 χ^2/NDF : 1318181.8/41

In: 122.281+/-0.036 χ^2/NDF : 203539.9/41

Out: 111.979+/-0.034 χ^2/NDF : 1236320.2/47

All: 116.883+/-0.025 χ^2/NDF : 1482877.0/89

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -313.109+/-3.809 χ^2 /NDF: 195.5/1

Left Out: -225.905+/-1.083 χ^2 /NDF:4669.2/24

Right Out: -326.395+/-2.241 χ^2 /NDF: 1155.7/3

Left In: -234.328+/-1.104 χ^2 /NDF:3591.9/22

Left: -230.037+/-0.773 χ^2 /NDF: 8290.7/47

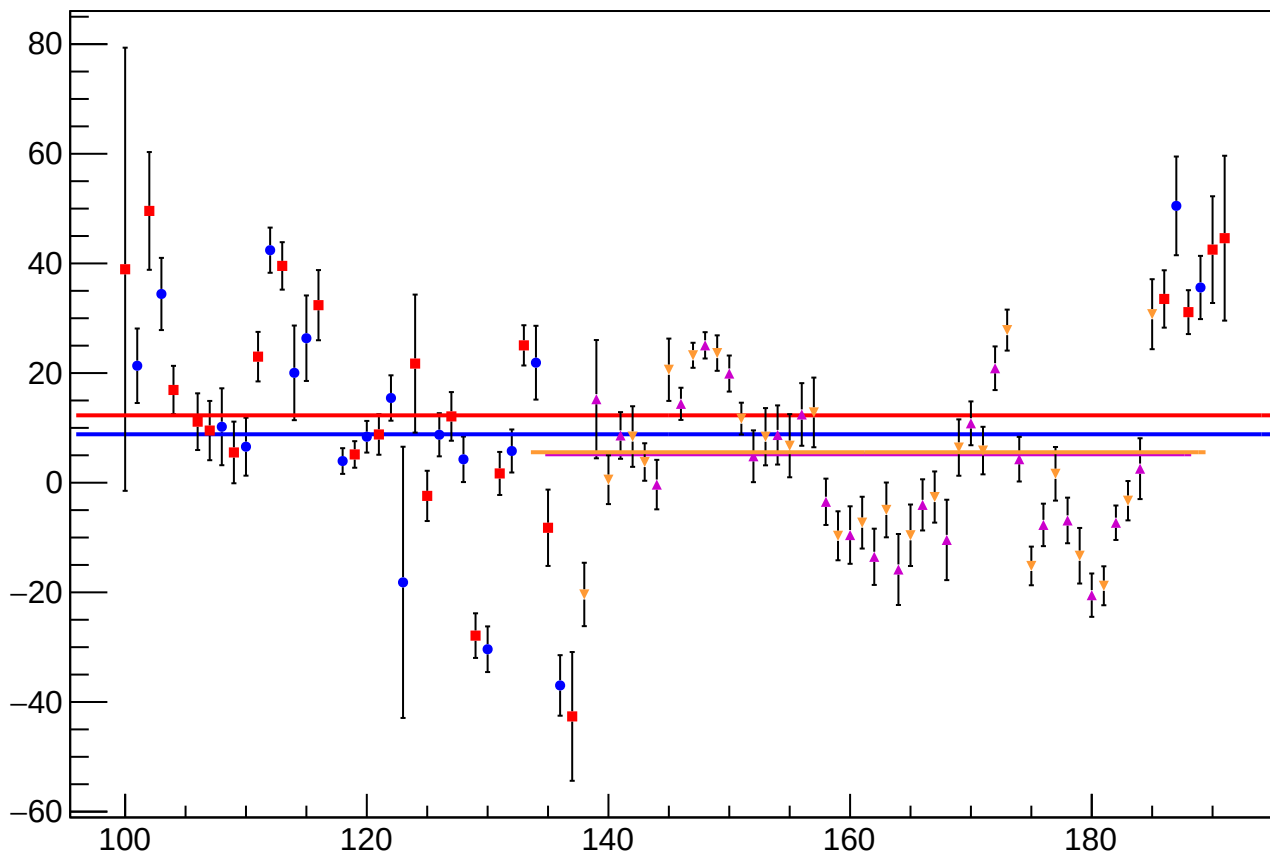
Right: -322.978+/-1.932 χ^2 /NDF: 1360.3/5

In: -240.437+/-1.061 χ^2 /NDF:4182.1/24

Out: -244.943+/-0.975 χ^2 /NDF:7454.6/28

All: -242.878+/-0.718 χ^2 /NDF: 11646.5/53

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.833 ± 1.058 χ^2/NDF : 306.1/18

Left Out: 5.558 ± 0.832 χ^2/NDF : 313.4/24

Right Out: 12.289 ± 1.010 χ^2/NDF : 291.1/22

Left In: 5.186 ± 0.867 χ^2/NDF : 243.2/22

Left: 5.380 ± 0.600 χ^2/NDF : 556.7/47

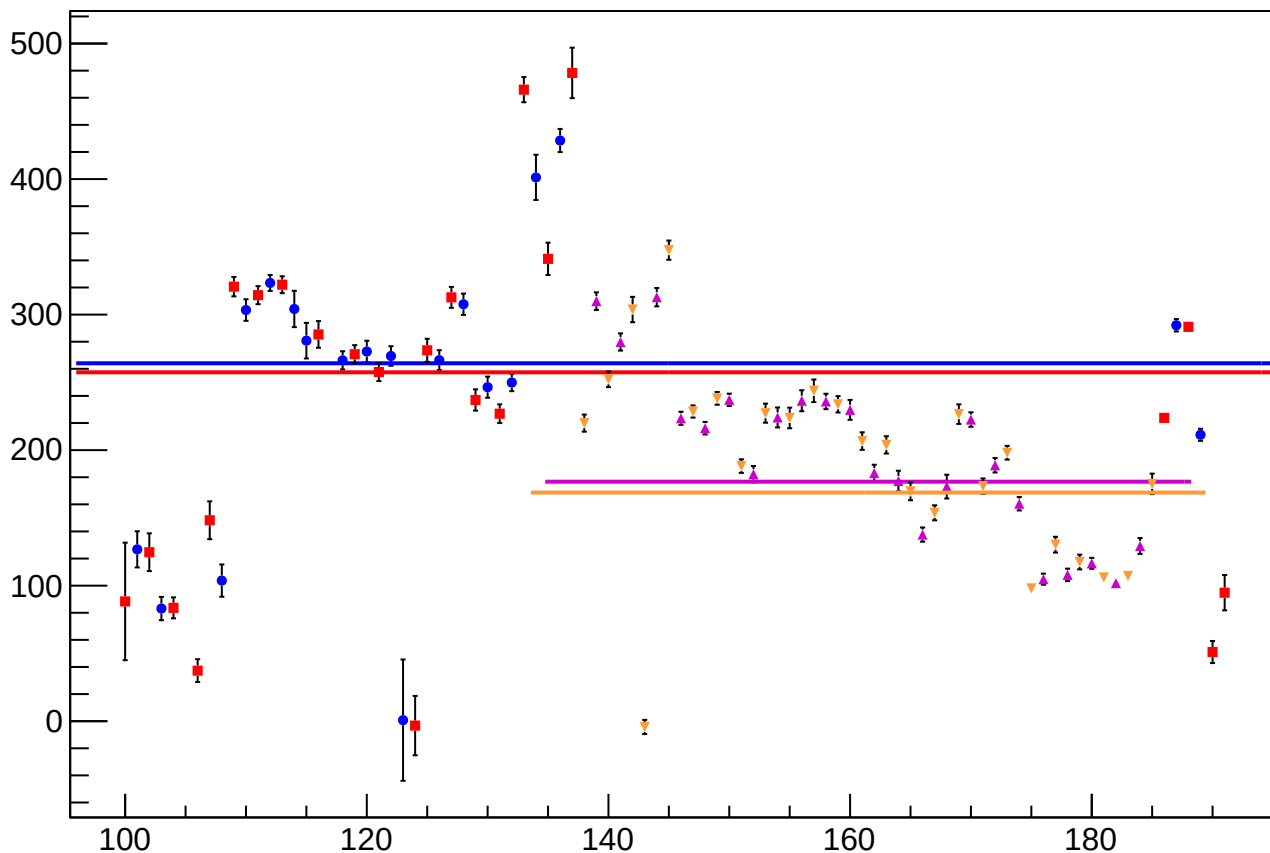
Right: 10.641 ± 0.730 χ^2/NDF : 602.7/41

In: 6.651 ± 0.670 χ^2/NDF : 556.3/41

Out: 8.279 ± 0.642 χ^2/NDF : 631.0/47

All: 7.500 ± 0.464 χ^2/NDF : 1190.4/89

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 264.095 $\pm$ 1.739 χ^2 /NDF: 1558.7/18

Left Out: 168.699 $\pm$ 1.086 χ^2 /NDF: 4238.2/24

Right Out: 257.434 $\pm$ 1.344 χ^2 /NDF: 3653.8/22

Left In: 176.711 $\pm$ 1.102 χ^2 /NDF: 3234.3/22

Left: 172.648 $\pm$ 0.774 χ^2 /NDF: 7499.3/47

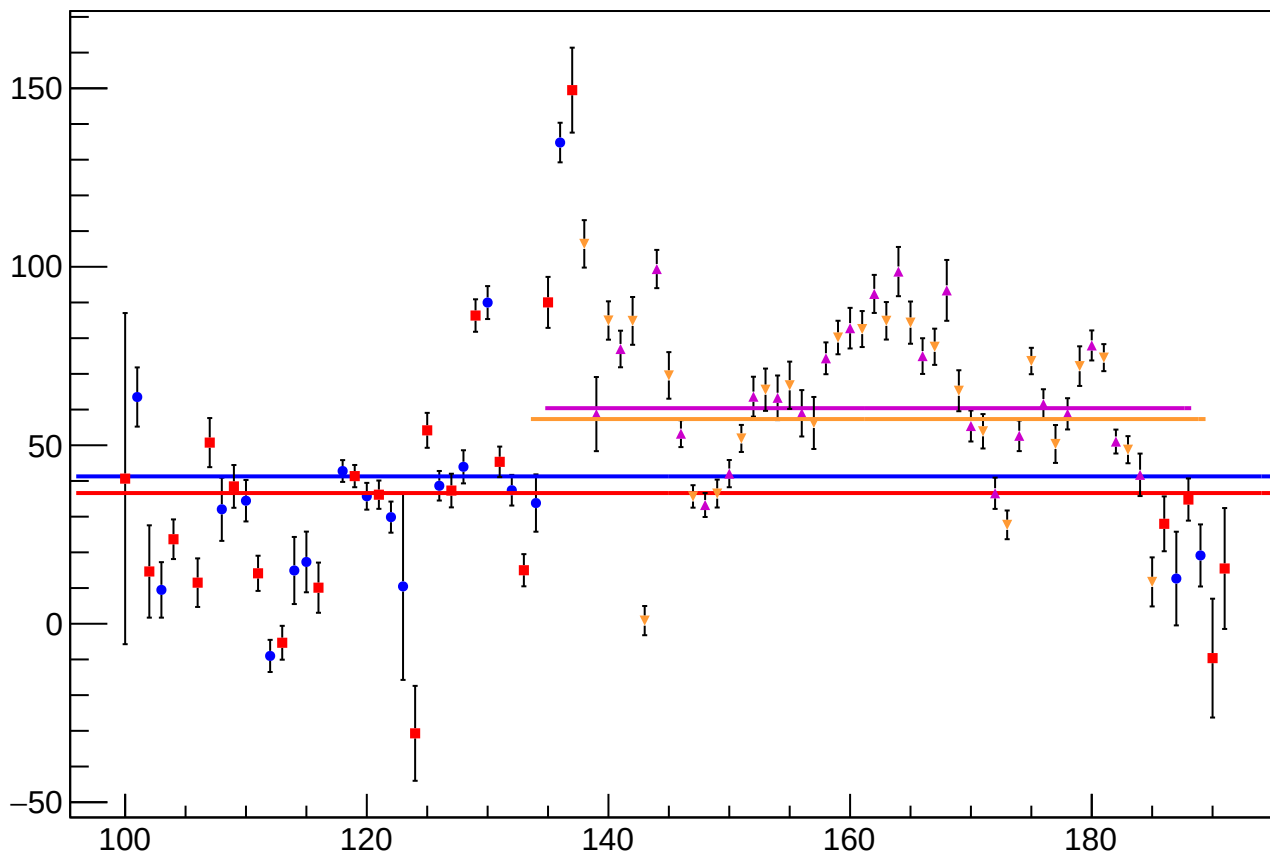
Right: 259.924 $\pm$ 1.063 χ^2 /NDF: 5221.7/41

In: 201.748 $\pm$ 0.931 χ^2 /NDF: 6595.1/41

Out: 203.782 $\pm$ 0.845 χ^2 /NDF: 10529.4/47

All: 202.863 $\pm$ 0.626 χ^2 /NDF: 17127.1/89

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.283 $\pm$ 1.237 χ^2 /NDF: 587.1/18

Left Out: 57.343 $\pm$ 0.956 χ^2 /NDF: 641.5/24

Right Out: 36.612 $\pm$ 1.190 χ^2 /NDF: 483.5/22

Left In: 60.392 $\pm$ 0.987 χ^2 /NDF: 341.2/22

Left: 58.819 $\pm$ 0.687 χ^2 /NDF: 987.6/47

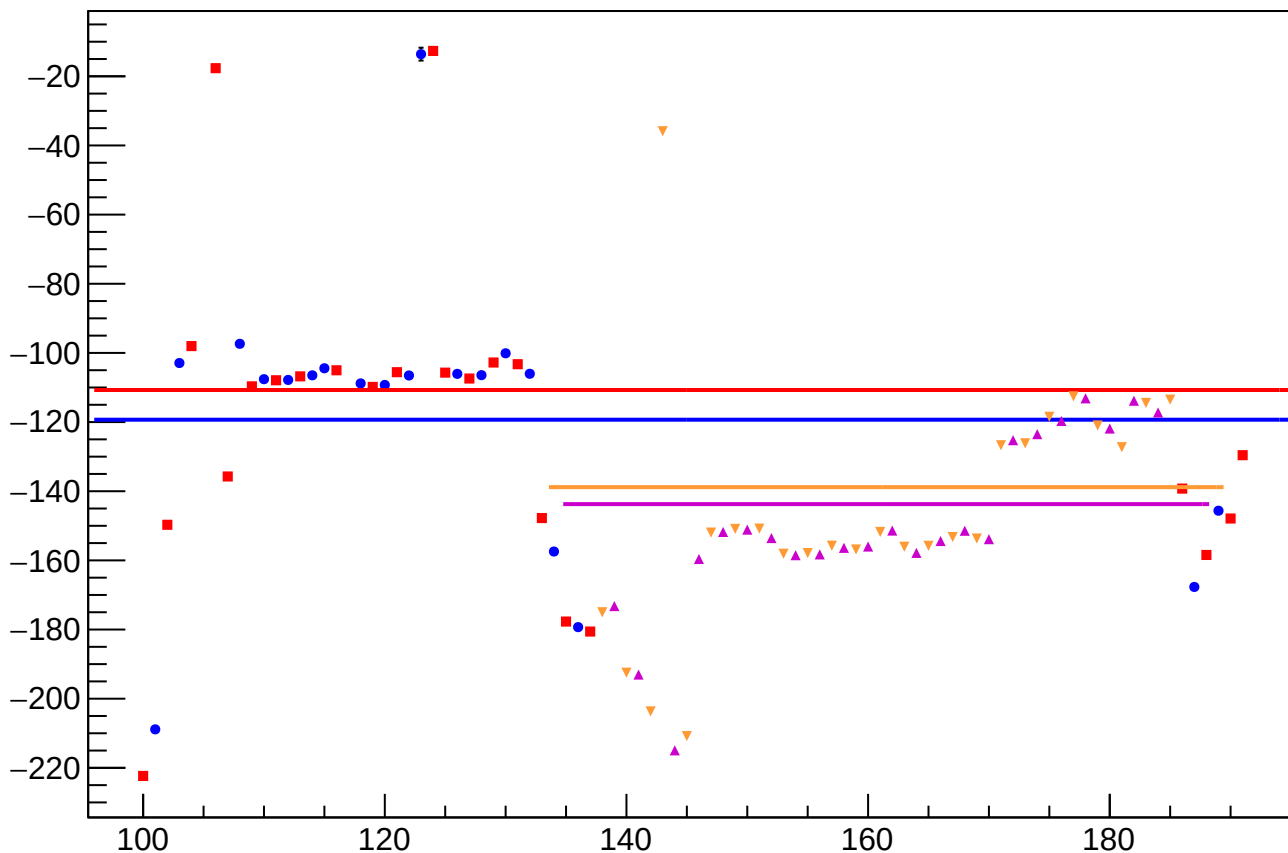
Right: 38.857 $\pm$ 0.858 χ^2 /NDF: 1078.1/41

In: 52.957 $\pm$ 0.772 χ^2 /NDF: 1074.2/41

Out: 49.211 $\pm$ 0.745 χ^2 /NDF: 1309.4/47

All: 51.019 $\pm$ 0.536 χ^2 /NDF: 2395.8/89

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -119.315+/-0.076 χ^2/NDF : 152285.2/18

Left Out: -138.821+/-0.045 χ^2/NDF : 525537.6/24

Right Out: -110.723+/-0.069 χ^2/NDF : 366389.1/22

Left In: -143.726+/-0.046 χ^2/NDF : 260994.5/22

Left: -141.241+/-0.032 χ^2/NDF : 792316.4/47

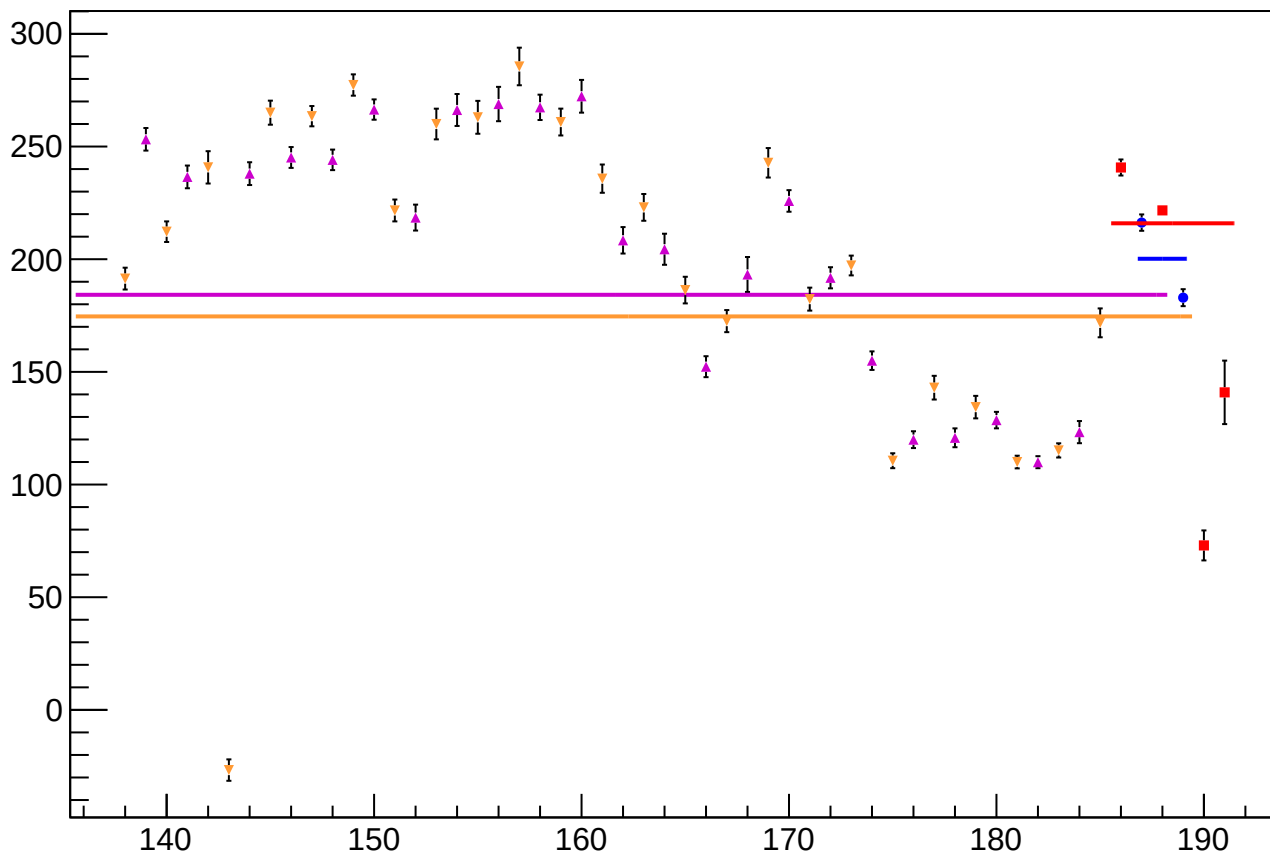
Right: -114.589+/-0.051 χ^2/NDF : 525742.5/41

In: -137.175+/-0.039 χ^2/NDF : 489162.4/41

Out: -130.281+/-0.038 χ^2/NDF : 1008851.7/47

All: -133.596+/-0.027 χ^2/NDF : 1514014.8/89

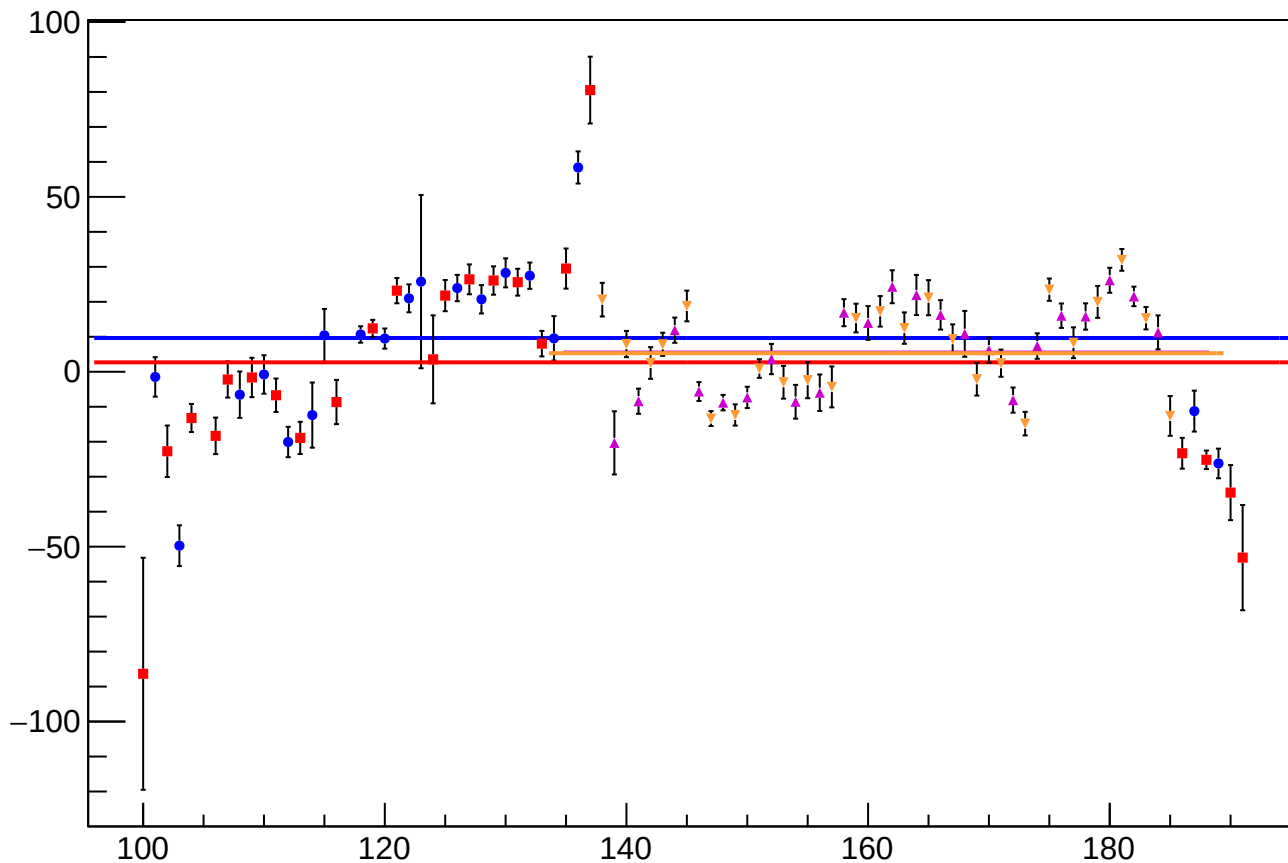
reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 200.197 $\pm$ 2.614 χ^2 /NDF: 40.5/1
 Left Out: 174.613 $\pm$ 0.969 χ^2 /NDF:5551.3/24
 Right Out: 215.933 $\pm$ 1.592 χ^2 /NDF: 547.6/3
 Left In: 184.205 $\pm$ 0.987 χ^2 /NDF:3637.1/22

Left: 179.321 $\pm$ 0.691 χ^2 /NDF: 9236.5/47
 Right: 211.674 $\pm$ 1.360 χ^2 /NDF: 614.6/5
 In: 186.200 $\pm$ 0.923 χ^2 /NDF:3710.4/24
 Out: 185.780 $\pm$ 0.828 χ^2 /NDF:6590.3/28
 All: 185.967 $\pm$ 0.616 χ^2 /NDF: 10300.8/53

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.651 ± 1.009 $\chi^2/\text{NDF}: 439.9/18$

Left Out: 5.314 ± 0.750 $\chi^2/\text{NDF}: 345.1/24$

Right Out: 2.696 ± 0.944 $\chi^2/\text{NDF}: 520.7/22$

Left In: 5.483 ± 0.779 $\chi^2/\text{NDF}: 259.1/22$

Left: 5.396 ± 0.540 $\chi^2/\text{NDF}: 604.2/47$

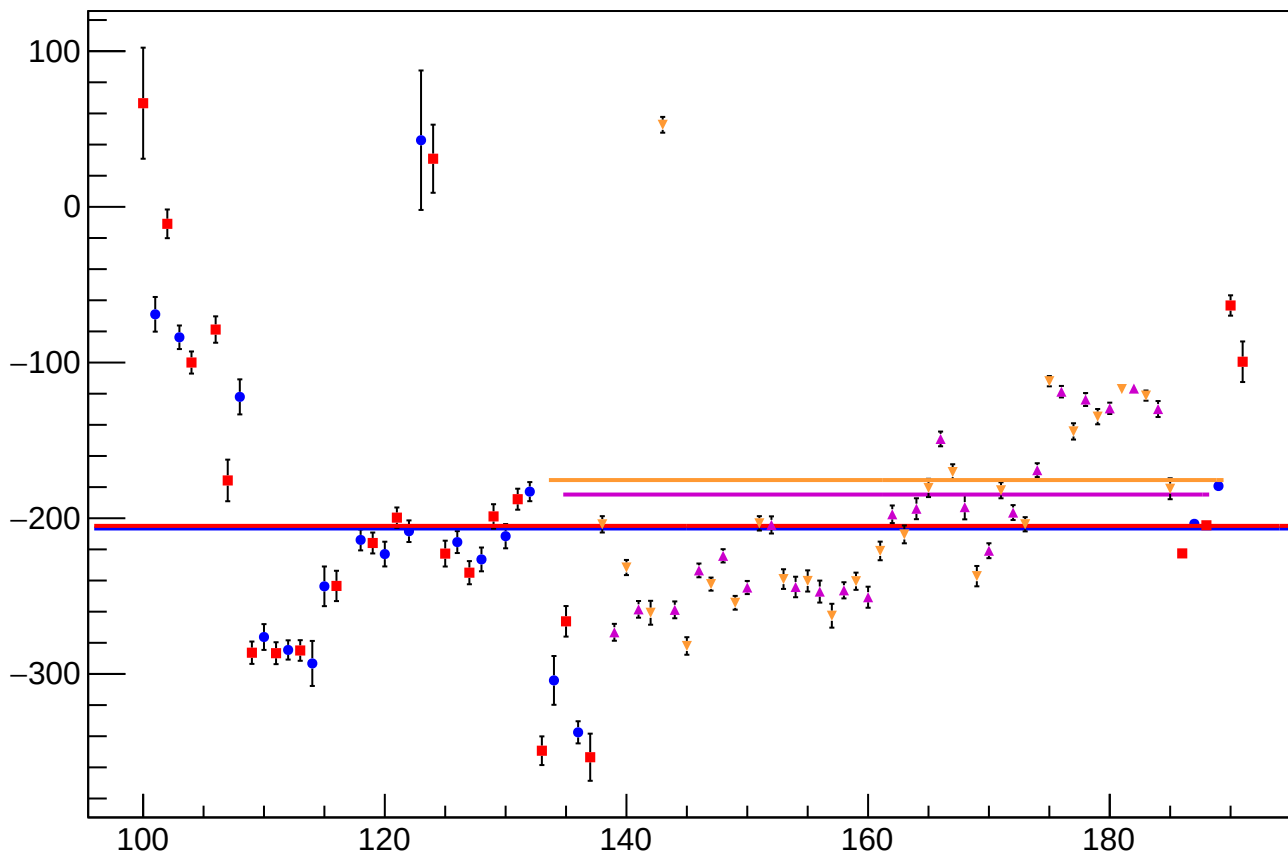
Right: 5.944 ± 0.689 $\chi^2/\text{NDF}: 985.9/41$

In: 7.040 ± 0.617 $\chi^2/\text{NDF}: 709.6/41$

Out: 4.301 ± 0.588 $\chi^2/\text{NDF}: 870.5/47$

All: 5.604 ± 0.425 $\chi^2/\text{NDF}: 1590.5/89$

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -206.574 ± 1.473 $\chi^2/\text{NDF}: 1260.1/18$

Left Out: -175.470 ± 0.974 $\chi^2/\text{NDF}: 5103.8/24$

Right Out: -204.891 ± 1.073 $\chi^2/\text{NDF}: 2473.1/22$

Left In: -184.774 ± 0.987 $\chi^2/\text{NDF}: 3082.4/22$

Left: -180.060 ± 0.693 $\chi^2/\text{NDF}: 8231.2/47$

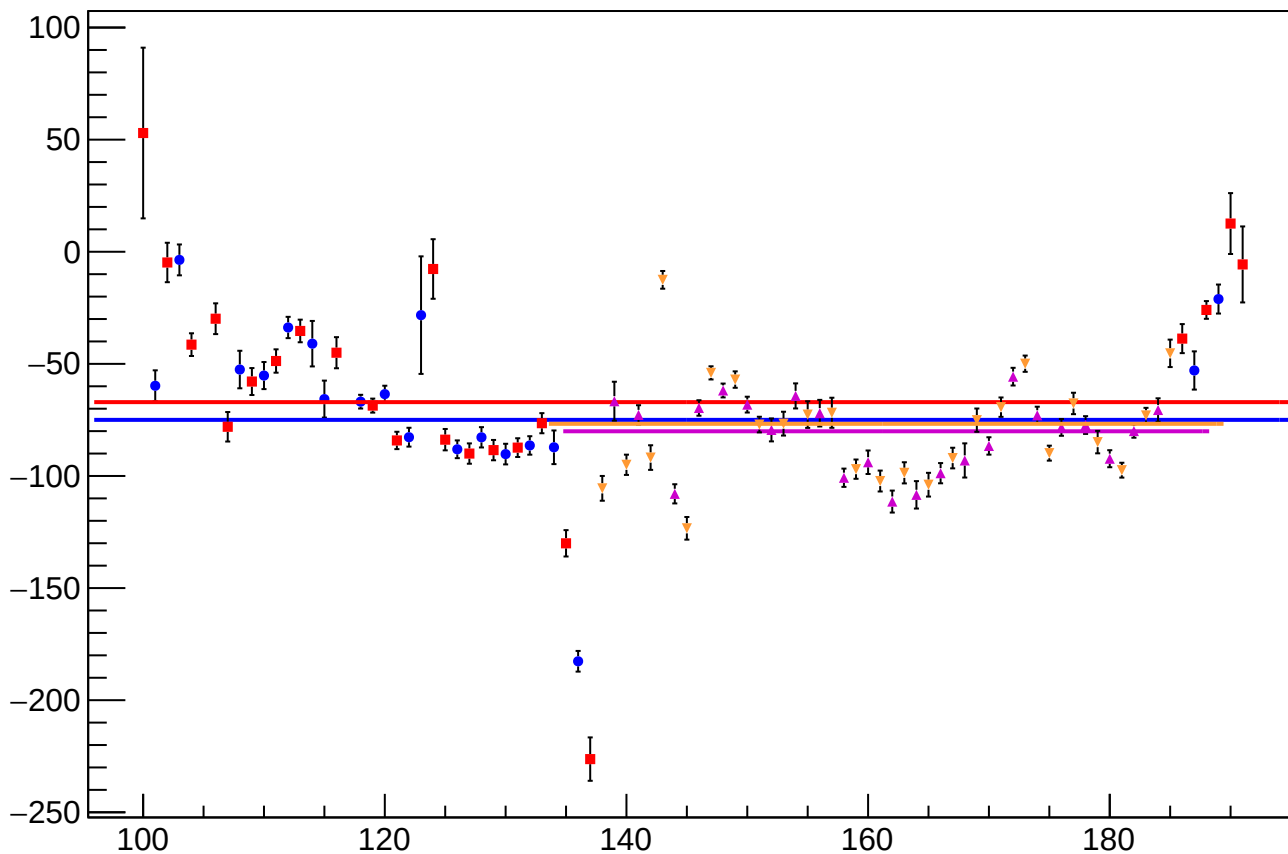
Right: -205.475 ± 0.867 $\chi^2/\text{NDF}: 3734.0/41$

In: -191.530 ± 0.820 $\chi^2/\text{NDF}: 4493.7/41$

Out: -188.755 ± 0.721 $\chi^2/\text{NDF}: 7989.0/47$

All: -189.965 ± 0.541 $\chi^2/\text{NDF}: 12489.1/89$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -74.976 ± 1.187 $\chi^2/\text{NDF}: 897.1/18$

Left Out: -76.747 ± 0.861 $\chi^2/\text{NDF}: 746.8/24$

Right Out: -67.067 ± 1.131 $\chi^2/\text{NDF}: 870.4/22$

Left In: -80.068 ± 0.886 $\chi^2/\text{NDF}: 286.8/22$

Left: -78.359 ± 0.617 $\chi^2/\text{NDF}: 1040.8/47$

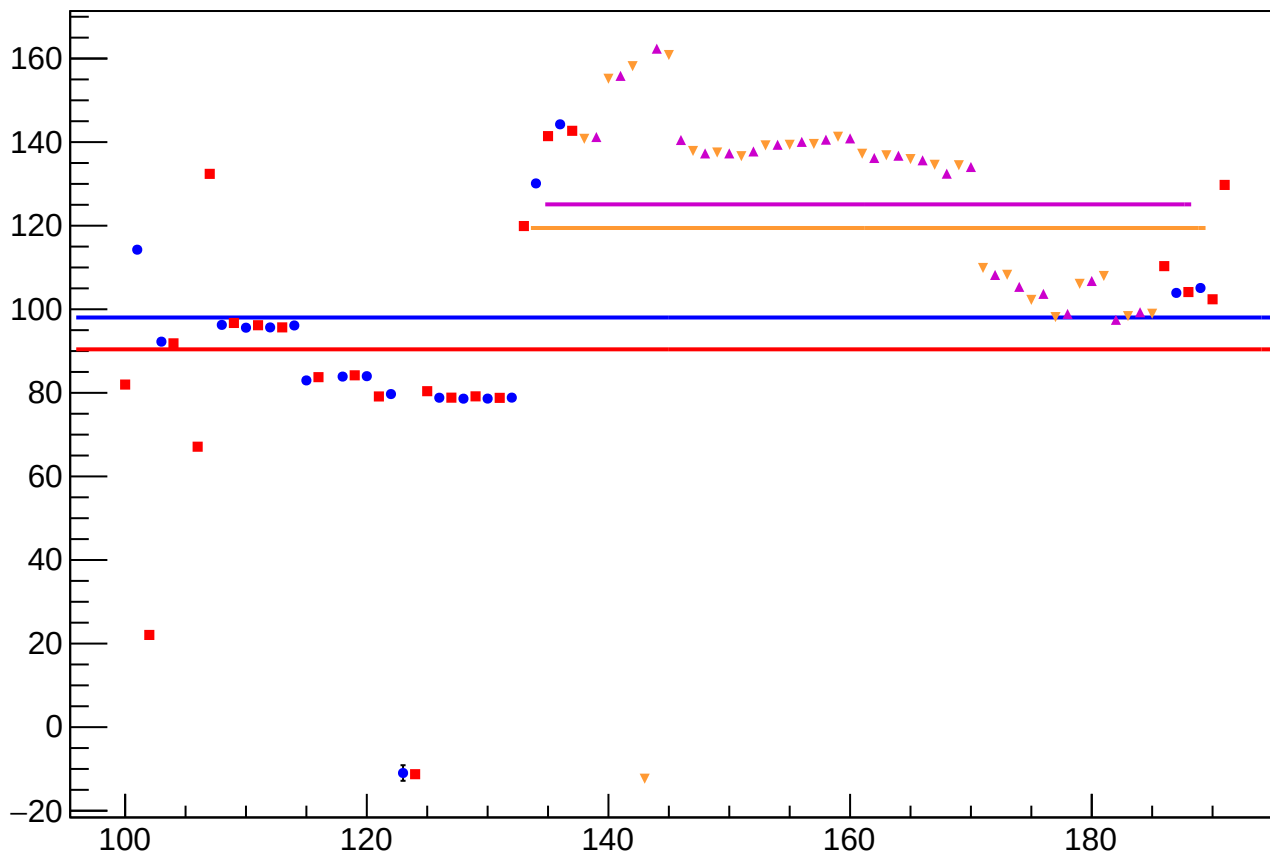
Right: -70.833 ± 0.819 $\chi^2/\text{NDF}: 1790.8/41$

In: -78.245 ± 0.710 $\chi^2/\text{NDF}: 1195.7/41$

Out: -73.198 ± 0.685 $\chi^2/\text{NDF}: 1663.6/47$

All: -75.631 ± 0.493 $\chi^2/\text{NDF}: 2885.5/89$

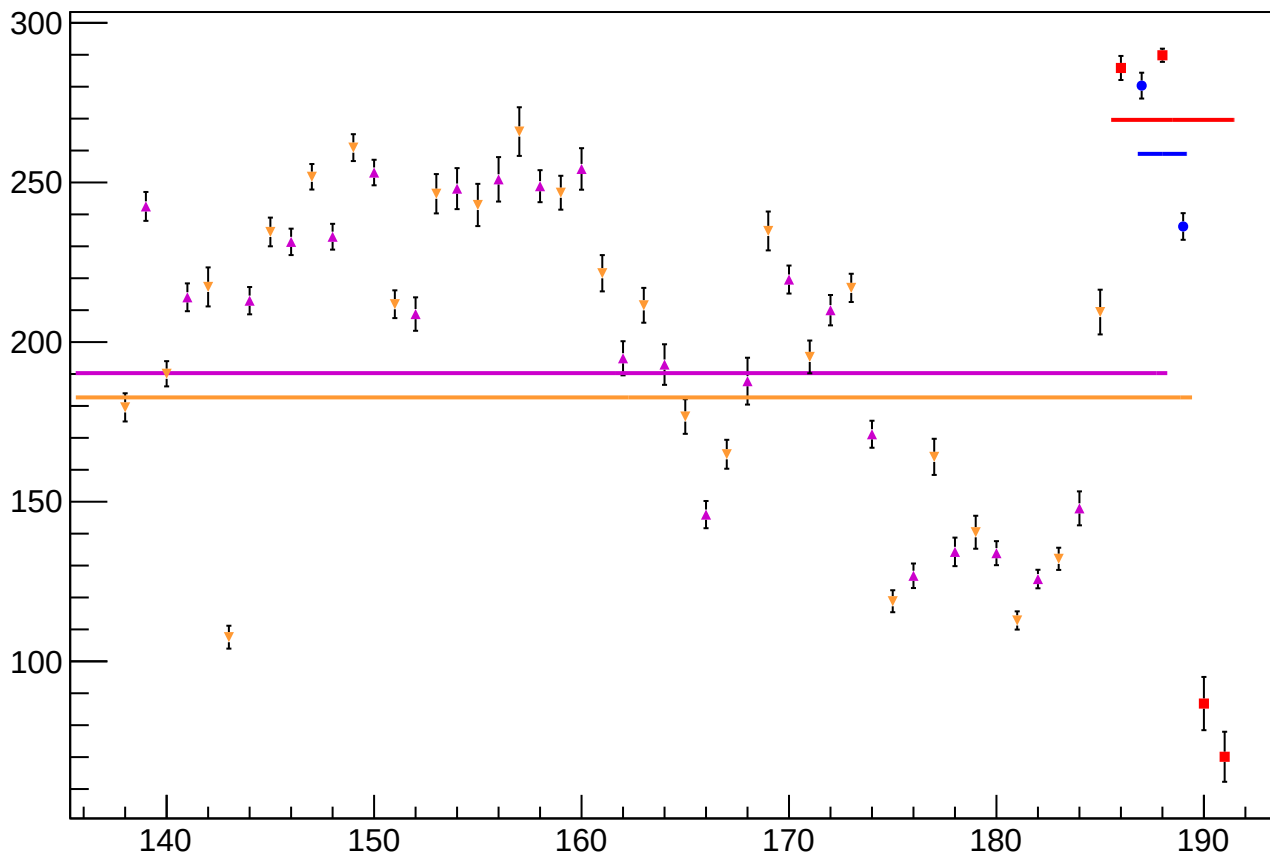
reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.031 $\pm$ 0.070 χ^2 /NDF: 95270.8/18
 Left Out: 119.448 $\pm$ 0.041 χ^2 /NDF: 660075.8/24
 Right Out: 90.410 $\pm$ 0.063 χ^2 /NDF: 238156.3/22
 Left In: 125.101 $\pm$ 0.041 χ^2 /NDF: 222793.3/22

Left: 122.242 $\pm$ 0.029 χ^2 /NDF: 892441.6/47
 Right: 93.795 $\pm$ 0.047 χ^2 /NDF: 339957.2/41
 In: 118.207 $\pm$ 0.035 χ^2 /NDF: 428556.4/41
 Out: 110.892 $\pm$ 0.034 χ^2 /NDF: 1048752.1/47
 All: 114.407 $\pm$ 0.025 χ^2 /NDF: 1499389.9/89

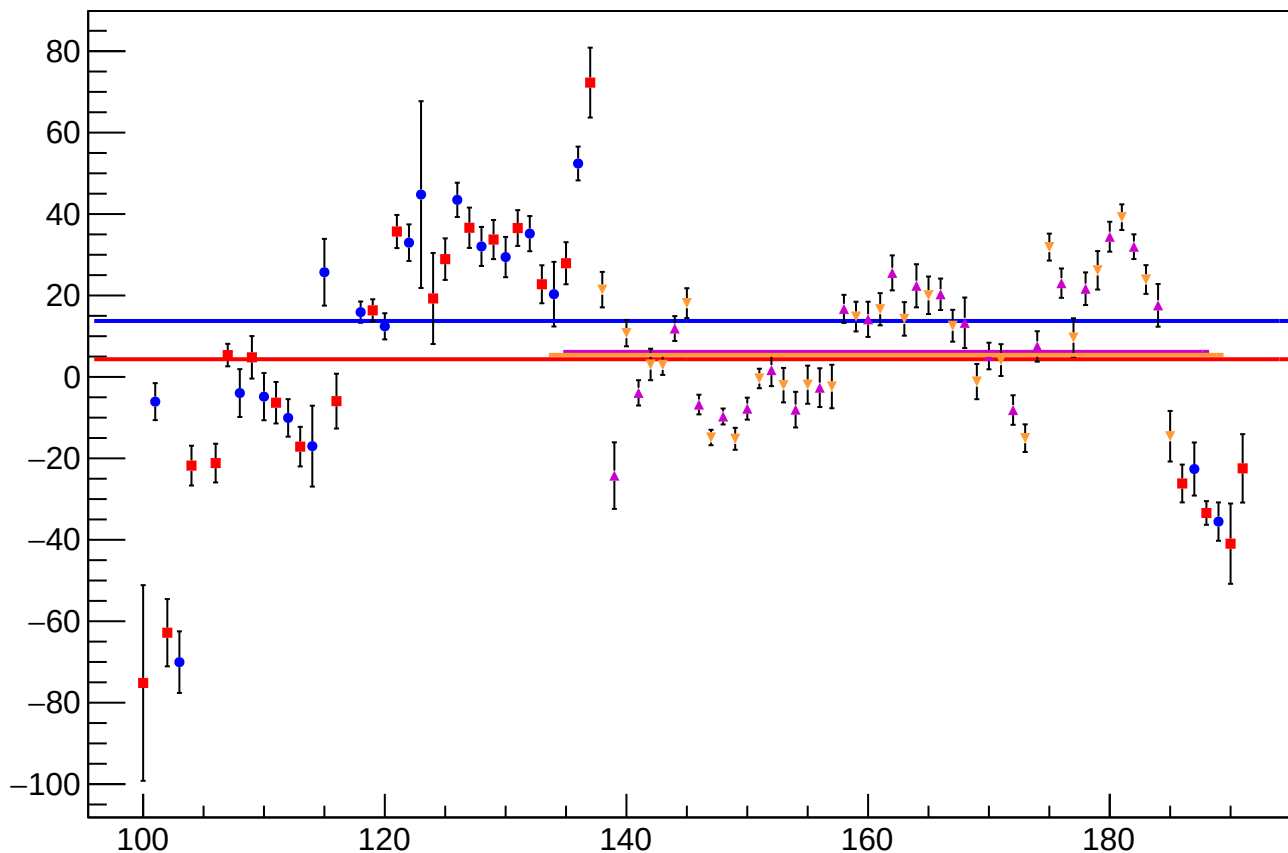
reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 258.962 $\pm$ 2.906 χ^2 /NDF: 57.6/1
 Left Out: 182.672 $\pm$ 0.919 χ^2 /NDF:3230.7/24
 Right Out: 269.609 $\pm$ 1.728 χ^2 /NDF: 1243.1/3
 Left In: 190.279 $\pm$ 0.949 χ^2 /NDF:2452.9/22

Left: 186.352 $\pm$ 0.660 χ^2 /NDF: 5716.7/47
 Right: 266.828 $\pm$ 1.485 χ^2 /NDF: 1310.6/5
 In: 196.898 $\pm$ 0.902 χ^2 /NDF:3015.3/24
 Out: 201.827 $\pm$ 0.811 χ^2 /NDF:6447.6/28
 All: 199.624 $\pm$ 0.603 χ^2 /NDF: 9479.4/53

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.744+/-1.098 χ^2/NDF : 548.0/18

Left Out: 5.425+/-0.693 χ^2/NDF : 525.2/24

Right Out: 4.349+/-0.982 χ^2/NDF : 740.8/22

Left In: 6.151+/-0.730 χ^2/NDF : 410.6/22

Left: 5.769+/-0.502 χ^2/NDF : 936.2/47

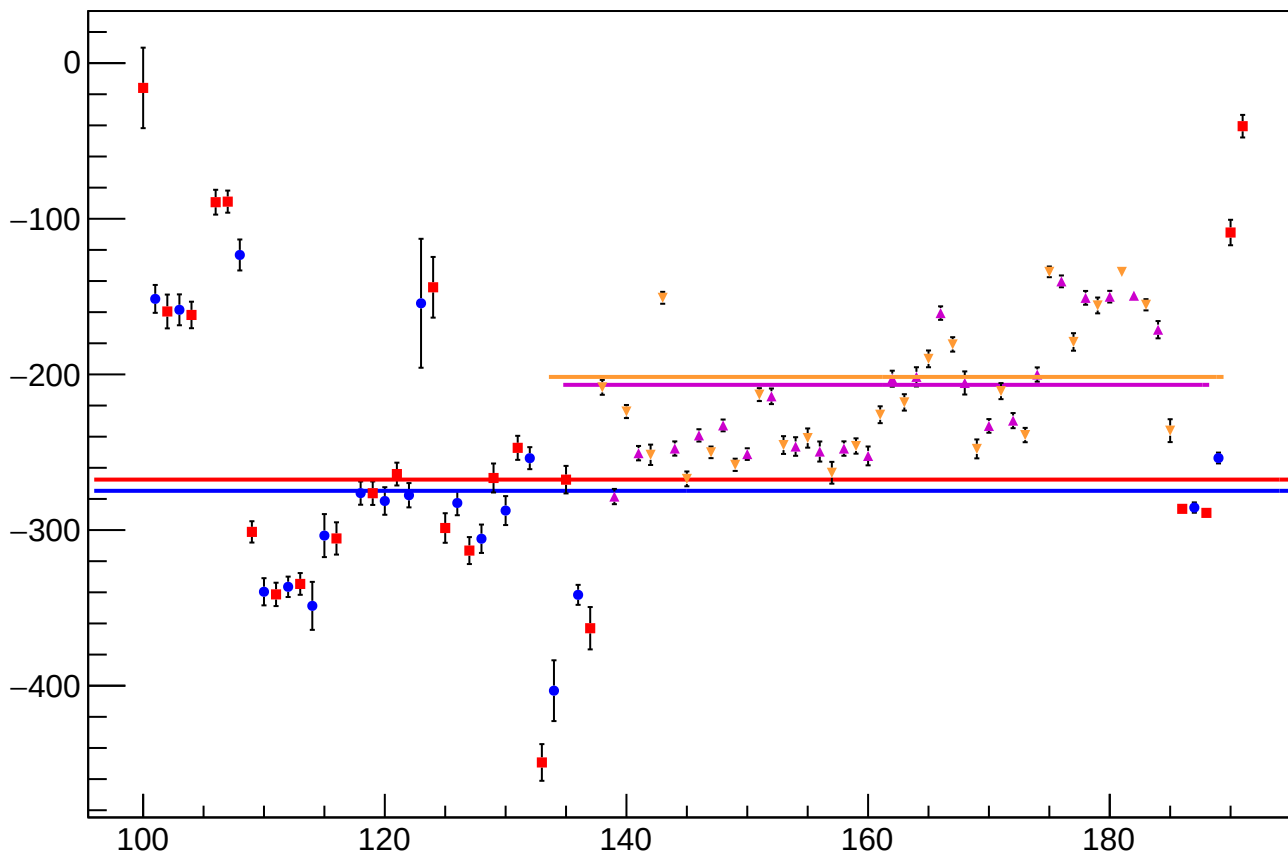
Right: 8.523+/-0.732 χ^2/NDF : 1329.5/41

In: 8.478+/-0.608 χ^2/NDF : 991.8/41

Out: 5.067+/-0.566 χ^2/NDF : 1266.7/47

All: 6.651+/-0.414 χ^2/NDF : 2275.4/89

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -274.790+/-1.610 χ^2/NDF : 960.5/18

Left Out: -201.610+/-0.922 χ^2/NDF :2462.4/24

Right Out: -267.566+/-1.153 χ^2/NDF : 3639.6/22

Left In: -206.700+/-0.946 χ^2/NDF :2134.9/22

Left: -204.091+/-0.660 χ^2/NDF : 4612.2/47

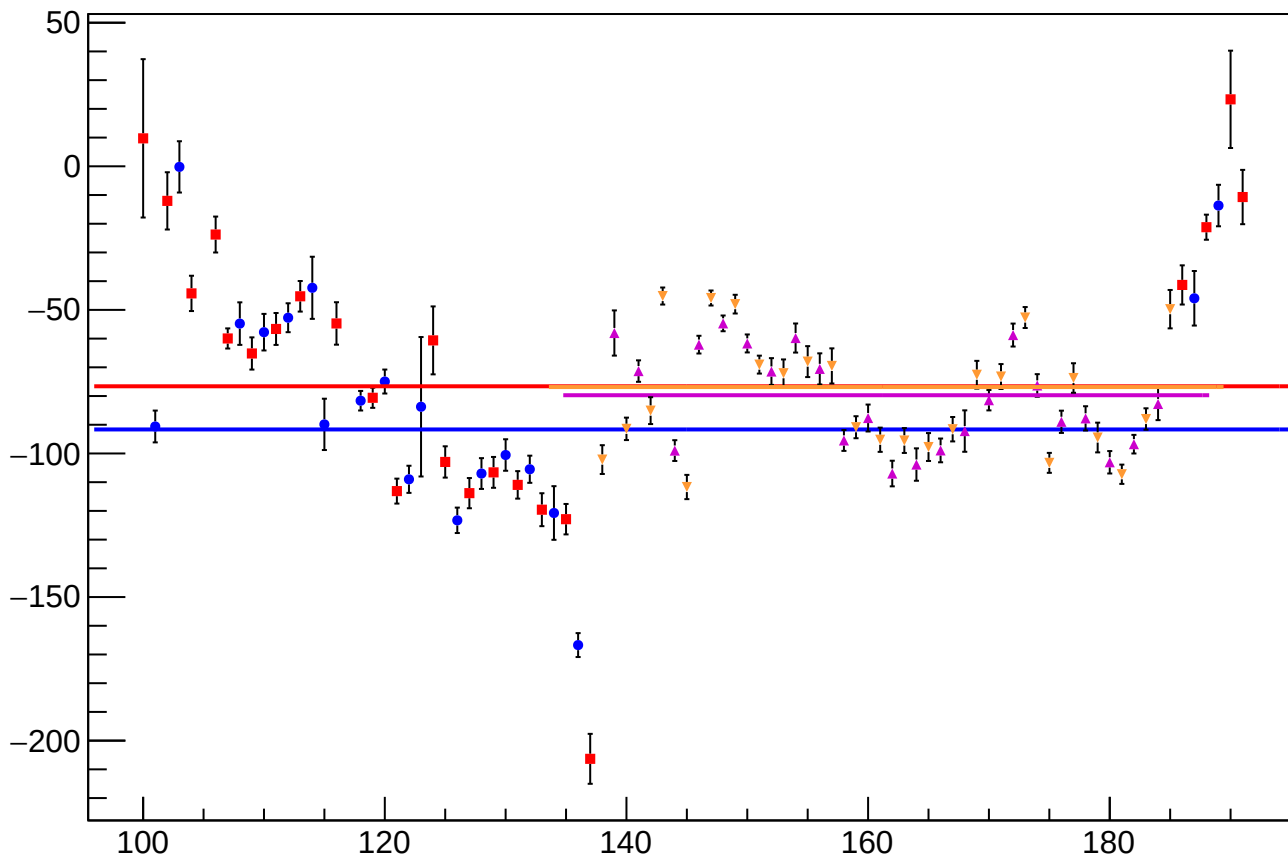
Right: -270.016+/-0.937 χ^2/NDF : 4613.4/41

In: -224.180+/-0.816 χ^2/NDF :4425.0/41

Out: -227.348+/-0.720 χ^2/NDF :8097.1/47

All: -225.960+/-0.540 χ^2/NDF : 12530.6/89

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -91.636 ± 1.289 $\chi^2/\text{NDF}: 821.5/18$

Left Out: -76.870 ± 0.802 $\chi^2/\text{NDF}: 758.7/24$

Right Out: -76.605 ± 1.179 $\chi^2/\text{NDF}: 1089.5/22$

Left In: -79.719 ± 0.837 $\chi^2/\text{NDF}: 415.2/22$

Left: -78.232 ± 0.579 $\chi^2/\text{NDF}: 1179.9/47$

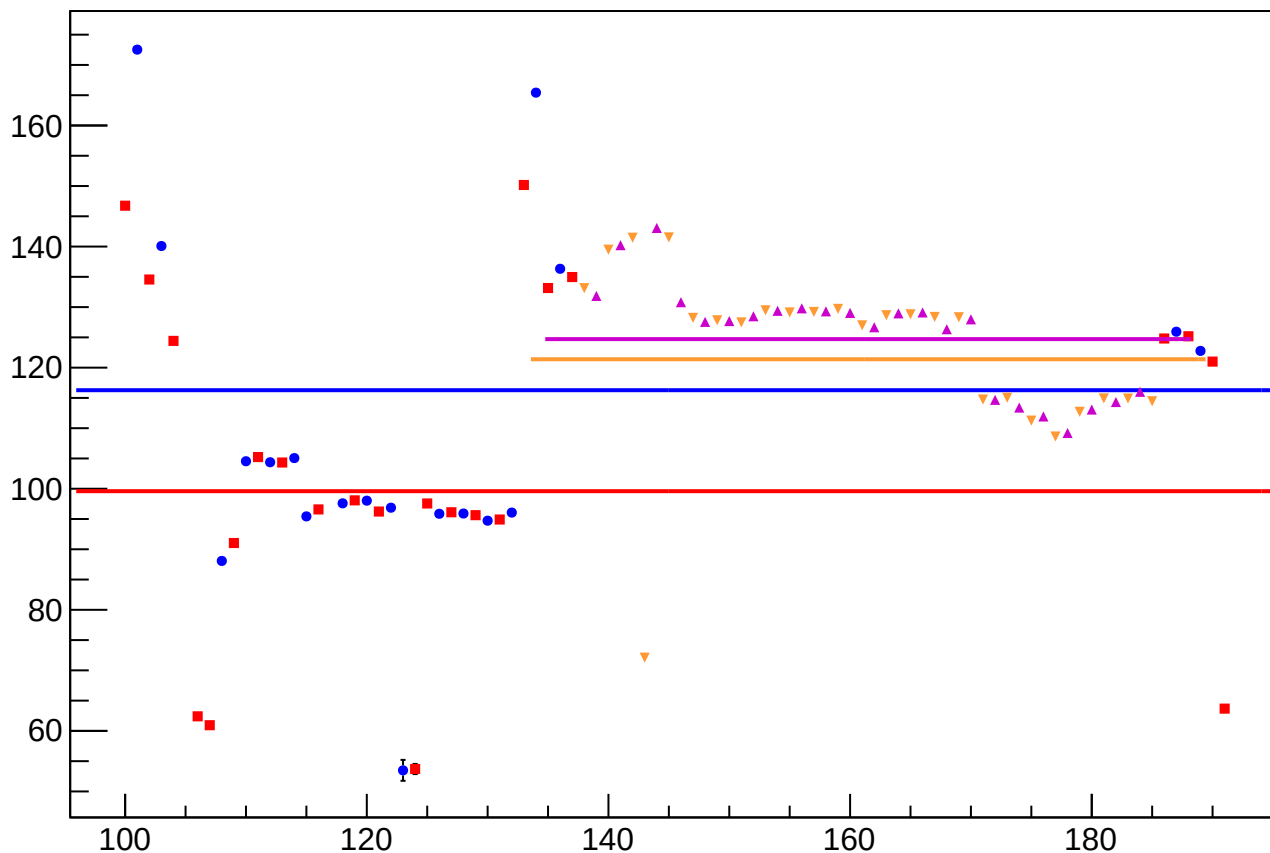
Right: -83.451 ± 0.870 $\chi^2/\text{NDF}: 1985.1/41$

In: -83.257 ± 0.702 $\chi^2/\text{NDF}: 1296.8/41$

Out: -76.786 ± 0.663 $\chi^2/\text{NDF}: 1848.2/47$

All: -79.835 ± 0.482 $\chi^2/\text{NDF}: 3190.0/89$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 116.275 $\pm$ 0.075 χ^2 /NDF: 107132.6/18

Left Out: 121.385 $\pm$ 0.038 χ^2 /NDF:164871.1/24

Right Out: 99.595 $\pm$ 0.063 χ^2 /NDF: 209070.8/22

Left In: 124.714 $\pm$ 0.039 χ^2 /NDF:51750.7/22

Left: 123.014 $\pm$ 0.027 χ^2 /NDF: 220328.2/47

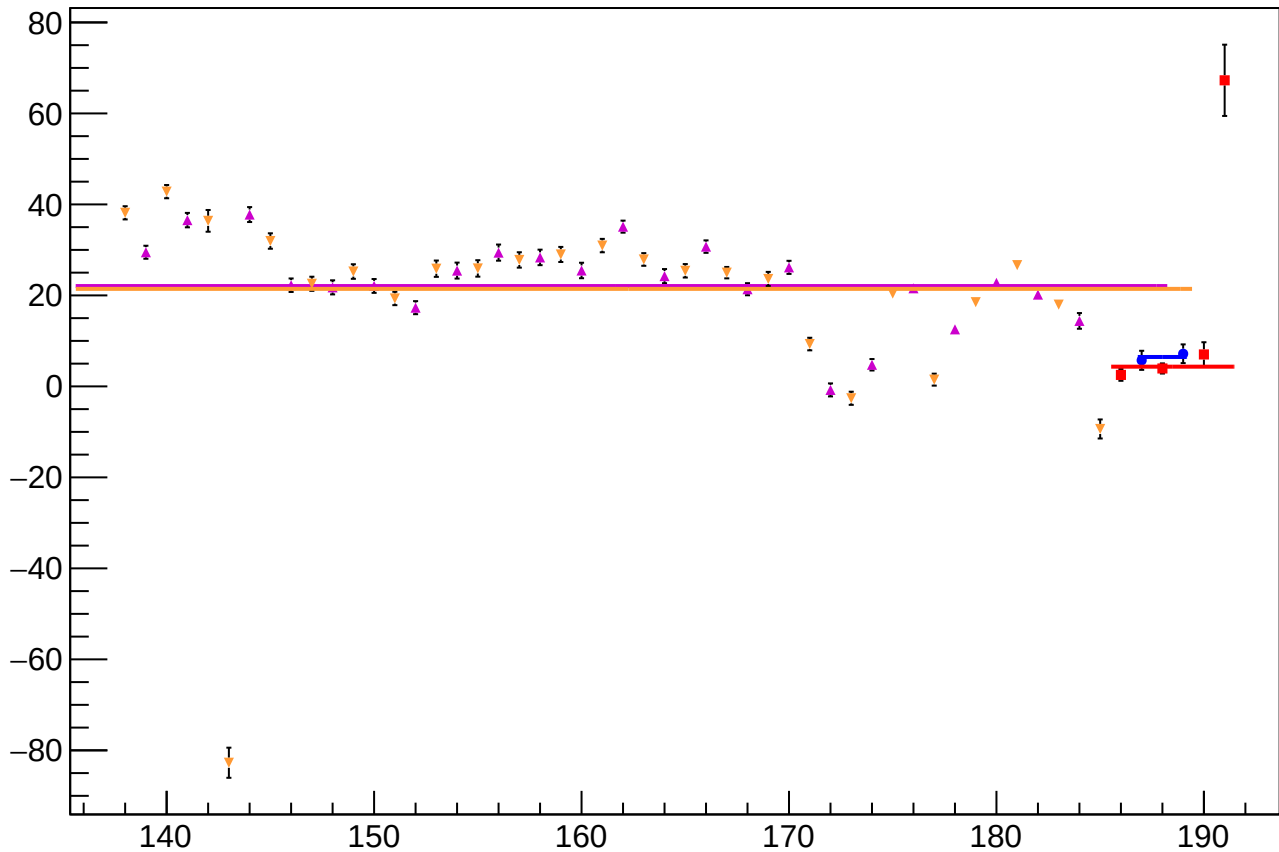
Right: 106.437 $\pm$ 0.048 χ^2 /NDF: 345201.3/41

In: 122.921 $\pm$ 0.035 χ^2 /NDF:168794.8/41

Out: 115.479 $\pm$ 0.033 χ^2 /NDF:461883.6/47

All: 118.977 $\pm$ 0.024 χ^2 /NDF: 655078.3/89

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.464 $\pm$ 1.469 χ^2 /NDF: 0.2/1

Left Out: 21.435 $\pm$ 0.283 χ^2 /NDF:2406.2/24

Right Out: 4.334 $\pm$ 0.801 χ^2 /NDF: 67.6/3

Left In: 22.055 $\pm$ 0.284 χ^2 /NDF:941.3/22

Left: 21.743 $\pm$ 0.200 χ^2 /NDF: 3349.9/47

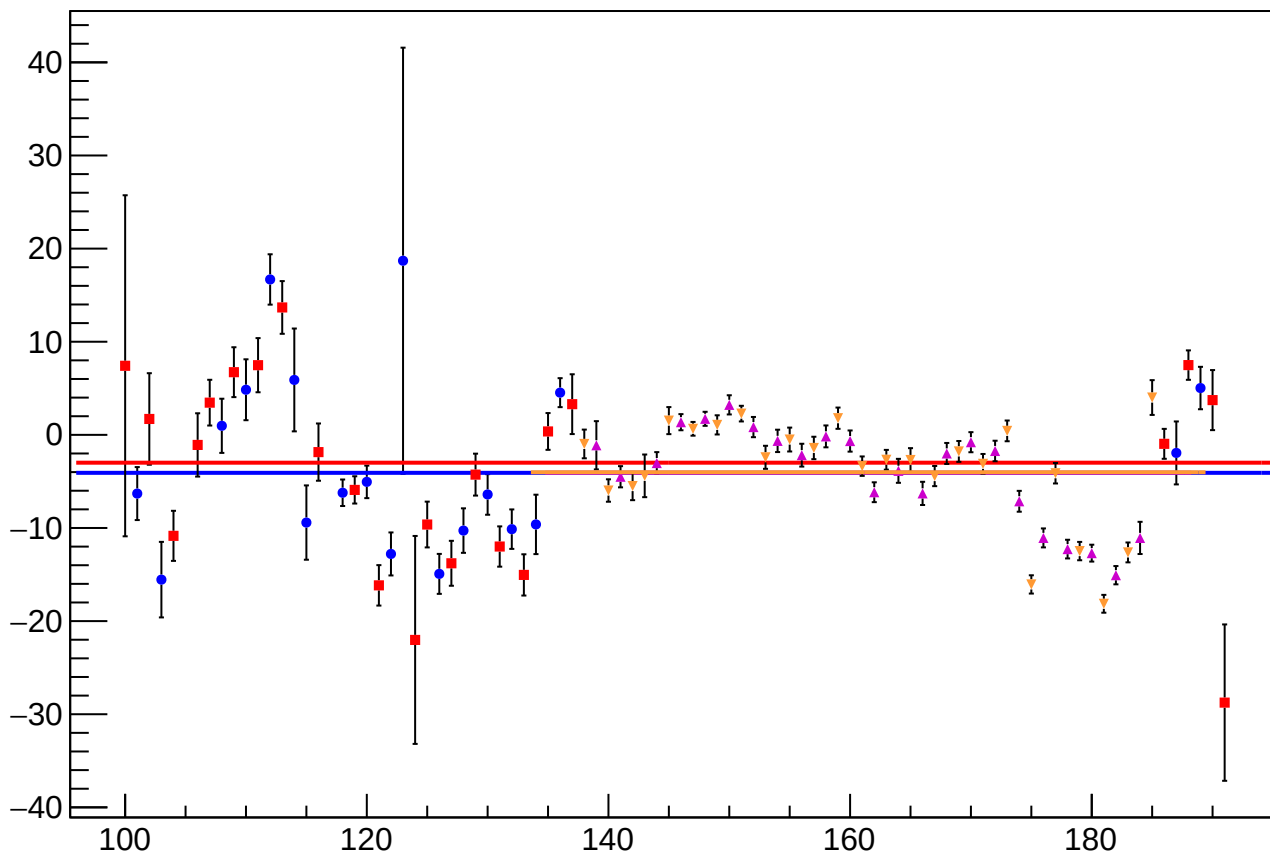
Right: 4.822 $\pm$ 0.703 χ^2 /NDF: 69.5/5

In: 21.492 $\pm$ 0.279 χ^2 /NDF:1050.1/24

Out: 19.543 $\pm$ 0.267 χ^2 /NDF:2879.0/28

All: 20.473 $\pm$ 0.193 χ^2 /NDF: 3954.6/53

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.078 ± 0.554 $\chi^2/\text{NDF}: 192.5/18$

Left Out: -4.015 ± 0.223 $\chi^2/\text{NDF}: 731.7/24$

Right Out: -2.989 ± 0.512 $\chi^2/\text{NDF}: 262.3/22$

Left In: -4.069 ± 0.227 $\chi^2/\text{NDF}: 580.1/22$

Left: -4.042 ± 0.159 $\chi^2/\text{NDF}: 1311.8/47$

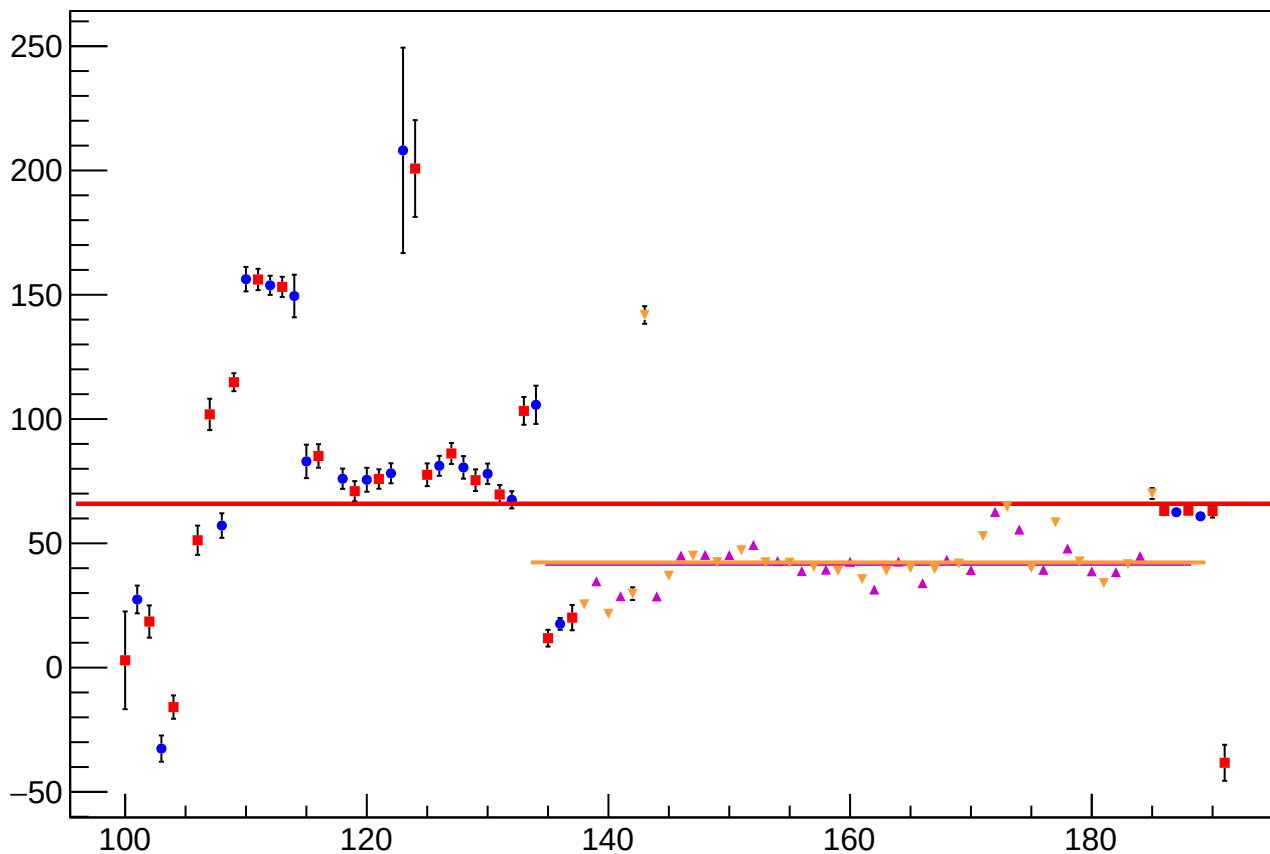
Right: -3.490 ± 0.376 $\chi^2/\text{NDF}: 456.8/41$

In: -4.071 ± 0.210 $\chi^2/\text{NDF}: 772.6/41$

Out: -3.851 ± 0.205 $\chi^2/\text{NDF}: 997.3/47$

All: -3.958 ± 0.147 $\chi^2/\text{NDF}: 1770.4/89$

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 65.889 ± 0.812 χ^2/NDF : 1868.3/18

Left Out: 42.322 ± 0.282 χ^2/NDF : 1855.5/24

Right Out: 65.973 ± 0.559 χ^2/NDF : 2206.8/22

Left In: 41.755 ± 0.283 χ^2/NDF : 659.6/22

Left: 42.039 ± 0.200 χ^2/NDF : 2517.1/47

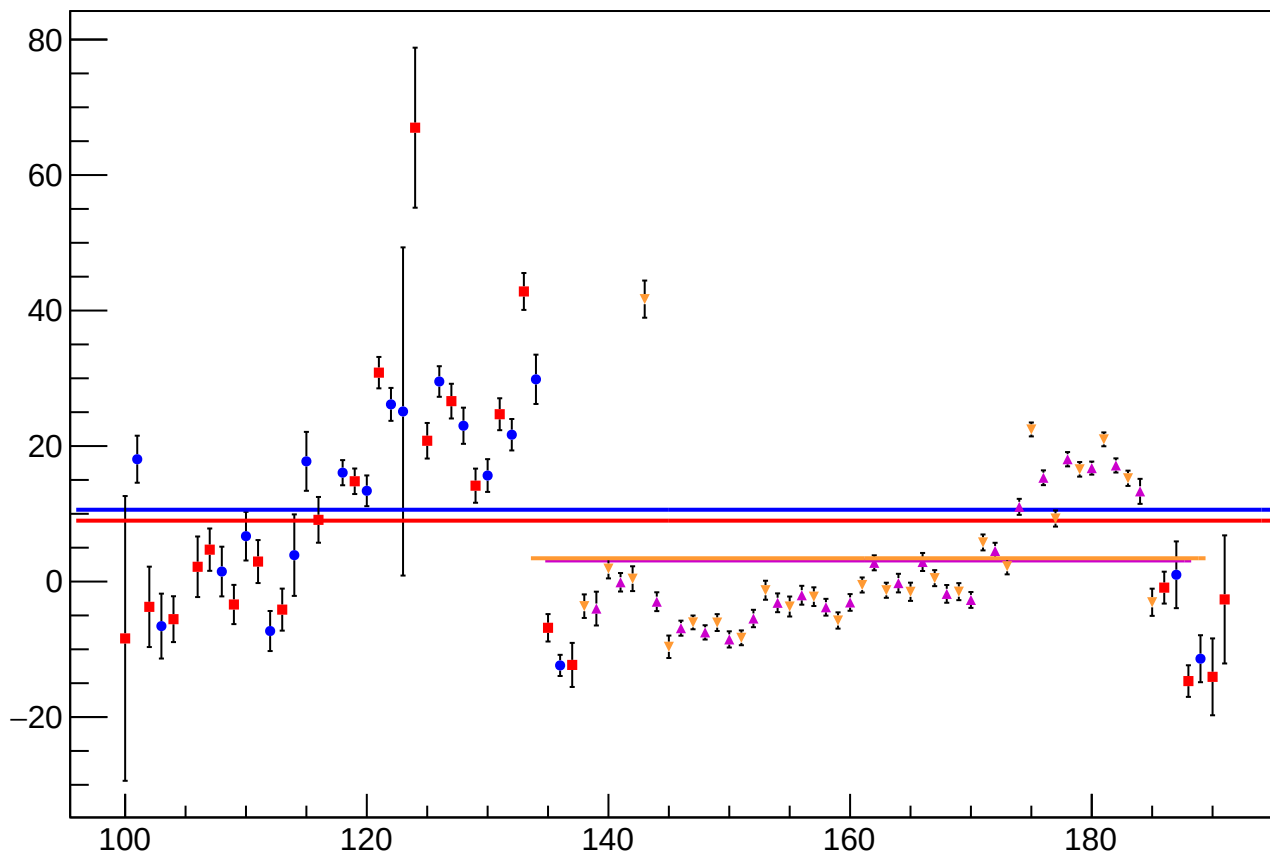
Right: 65.946 ± 0.460 χ^2/NDF : 4075.1/41

In: 44.368 ± 0.267 χ^2/NDF : 3315.4/41

Out: 47.124 ± 0.252 χ^2/NDF : 5489.8/47

All: 45.828 ± 0.183 χ^2/NDF : 8861.5/89

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.602 ± 0.641 χ^2/NDF : 524.4/18

Left Out: 3.439 ± 0.252 χ^2/NDF : 1647.7/24

Right Out: 8.990 ± 0.612 χ^2/NDF : 703.4/22

Left In: 3.114 ± 0.256 χ^2/NDF : 1273.1/22

Left: 3.279 ± 0.180 χ^2/NDF : 2921.5/47

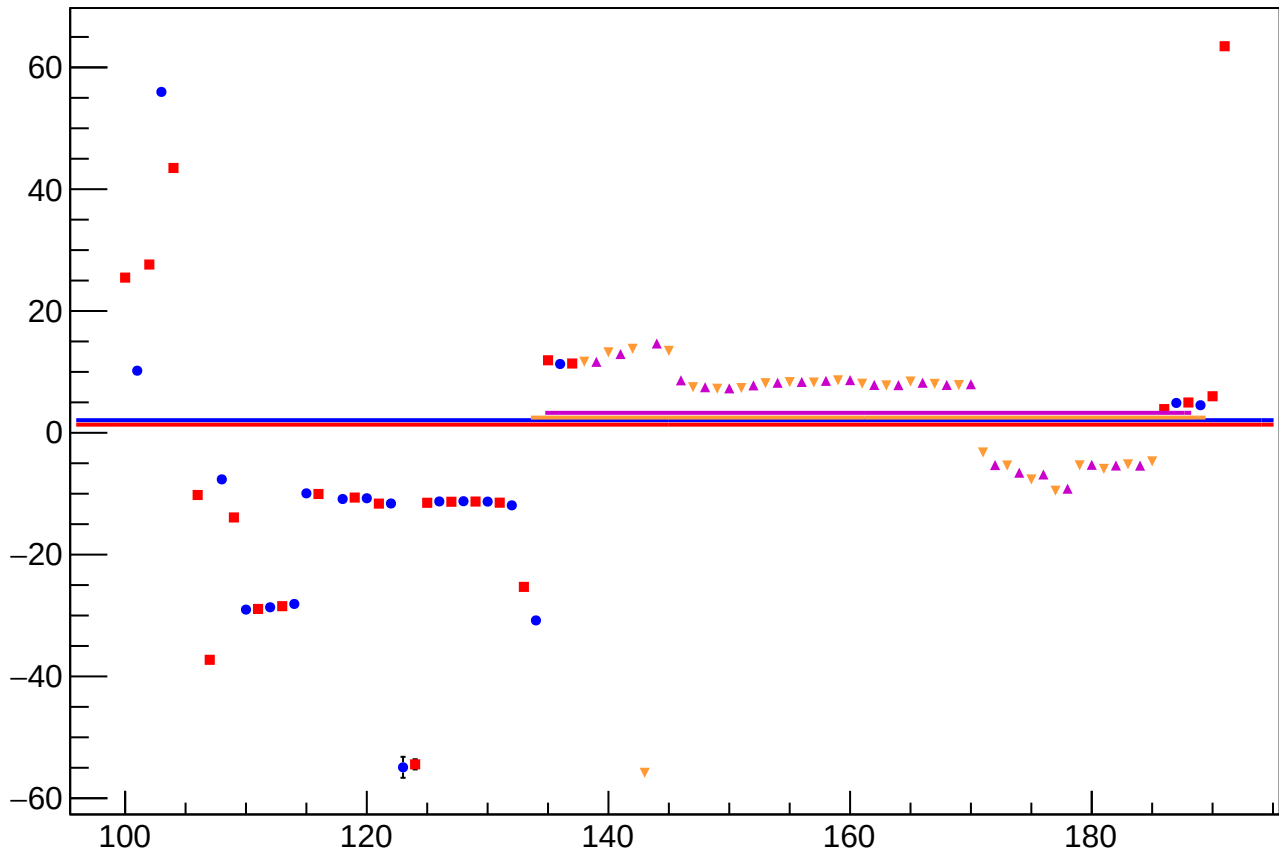
Right: 9.758 ± 0.443 χ^2/NDF : 1231.1/41

In: 4.145 ± 0.238 χ^2/NDF : 1915.0/41

Out: 4.247 ± 0.233 χ^2/NDF : 2421.4/47

All: 4.197 ± 0.167 χ^2/NDF : 4336.5/89

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 2.073+/-0.036 χ^2/NDF : 359853.4/18

Left Out: 2.497+/-0.012 χ^2/NDF :588138.5/24

Right Out: 1.343+/-0.034 χ^2/NDF : 423990.9/22

Left In: 3.281+/-0.012 χ^2/NDF :409605.3/22

Left: 2.888+/-0.008 χ^2/NDF : 1000035.7/47

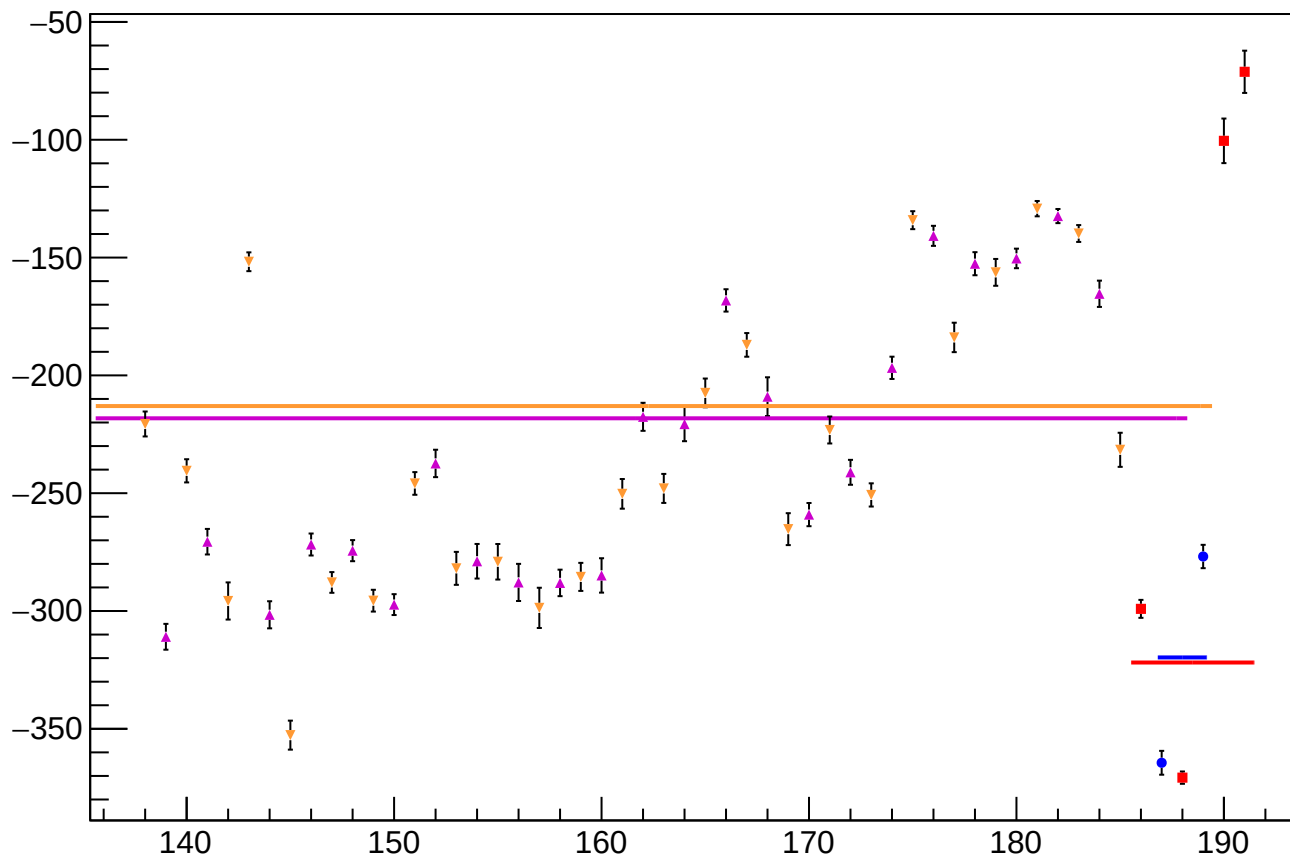
Right: 1.687+/-0.024 χ^2/NDF : 784068.0/41

In: 3.164+/-0.011 χ^2/NDF :770504.6/41

Out: 2.374+/-0.011 χ^2/NDF :1013187.3/47

All: 2.766+/-0.008 χ^2/NDF : 1786282.4/89

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -319.705+/-3.541 χ^2/NDF : 152.8/1

Left Out: -213.020+/-1.035 χ^2/NDF : 3826.2/24

Right Out: -321.861+/-2.045 χ^2/NDF : 1715.0/3

Left In: -218.216+/-1.063 χ^2/NDF : 3499.0/22

Left: -215.550+/-0.742 χ^2/NDF : 7337.5/47

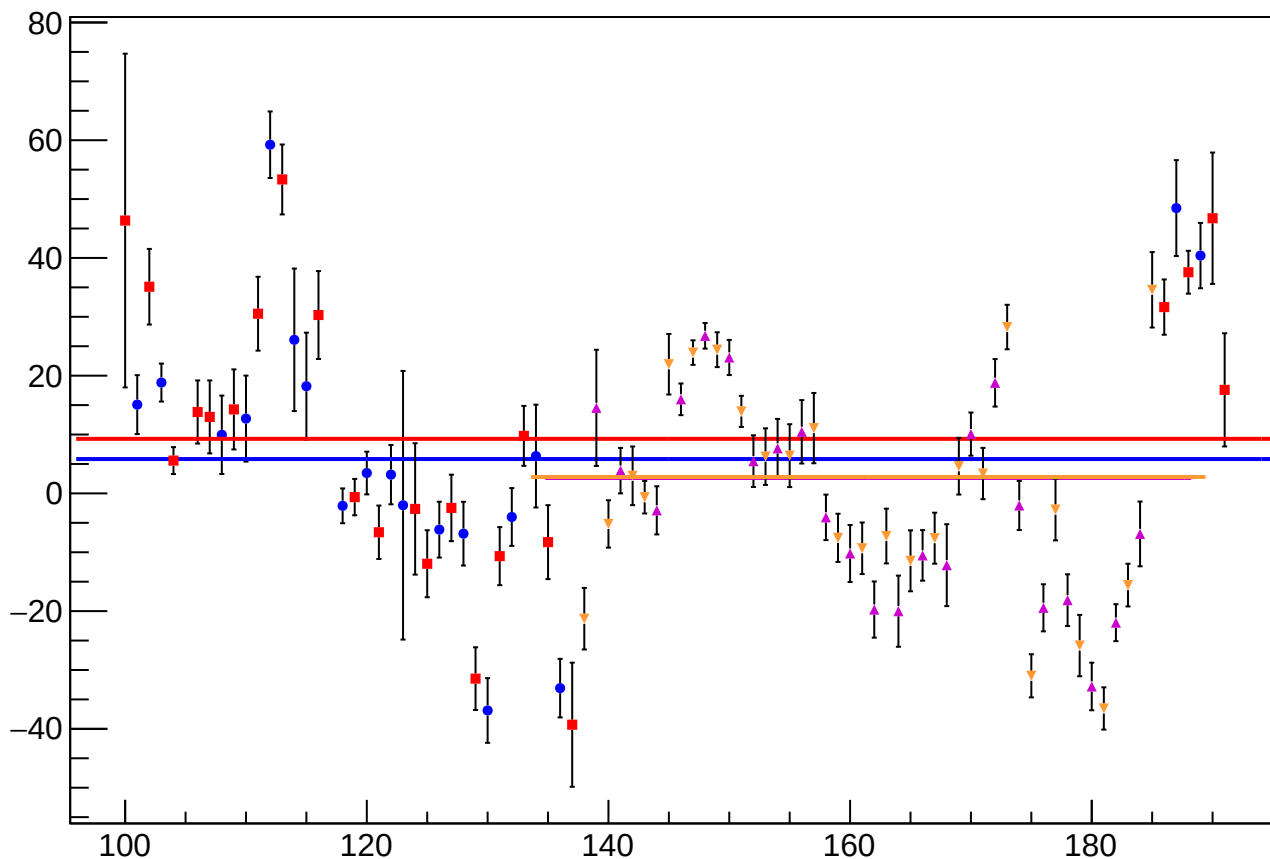
Right: -321.322+/-1.771 χ^2/NDF : 1868.0/5

In: -226.605+/-1.018 χ^2/NDF : 4405.4/24

Out: -235.224+/-0.924 χ^2/NDF : 7795.3/28

All: -231.332+/-0.684 χ^2/NDF : 12240.1/53

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.835 ± 1.184 $\chi^2/\text{NDF}: 326.4/18$

Left Out: 2.786 ± 0.780 $\chi^2/\text{NDF}: 582.0/24$

Right Out: 9.266 ± 1.064 $\chi^2/\text{NDF}: 337.6/22$

Left In: 2.619 ± 0.821 $\chi^2/\text{NDF}: 477.6/22$

Left: 2.707 ± 0.565 $\chi^2/\text{NDF}: 1059.7/47$

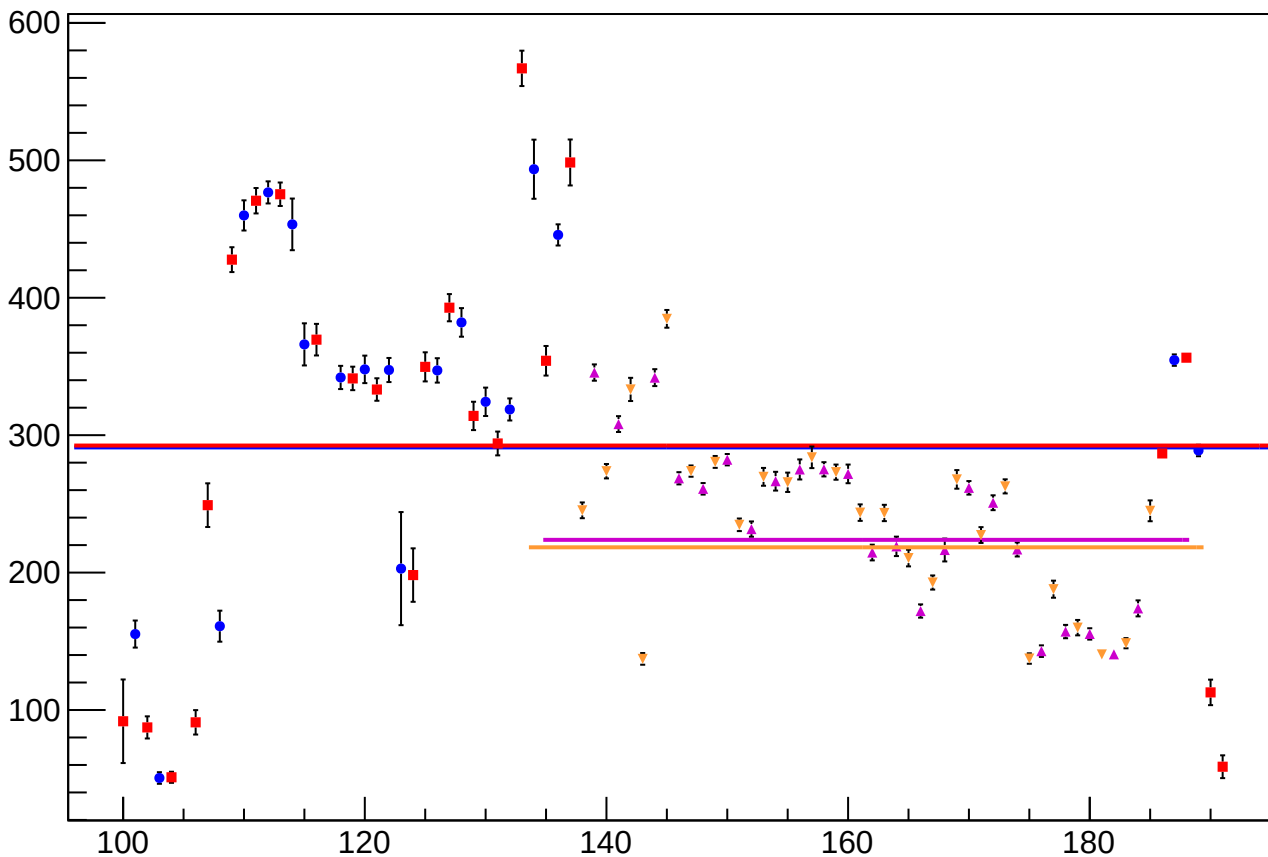
Right: 7.733 ± 0.791 $\chi^2/\text{NDF}: 668.7/41$

In: 3.663 ± 0.674 $\chi^2/\text{NDF}: 809.0/41$

Out: 5.052 ± 0.629 $\chi^2/\text{NDF}: 943.8/47$

All: 4.405 ± 0.460 $\chi^2/\text{NDF}: 1755.1/89$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 291.094+/-1.758 χ^2/NDF : 5406.0/18

Left Out: 218.389+/-1.038 χ^2/NDF : 3696.7/24

Right Out: 292.445+/-1.300 χ^2/NDF : 8847.3/22

Left In: 223.827+/-1.058 χ^2/NDF : 3444.7/22

Left: 221.054+/-0.741 χ^2/NDF : 7154.8/47

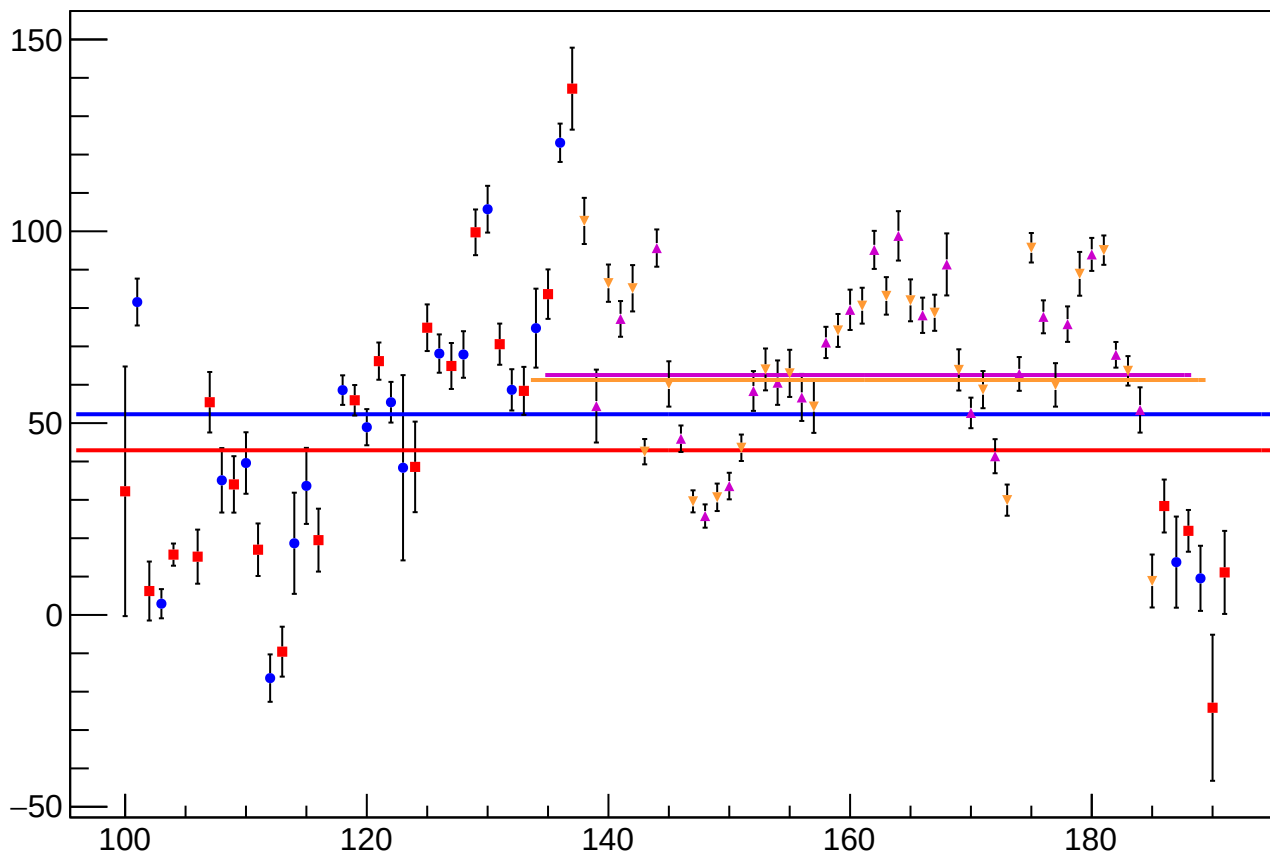
Right: 291.967+/-1.045 χ^2/NDF : 14253.7/41

In: 241.723+/-0.907 χ^2/NDF : 9925.2/41

Out: 247.224+/-0.811 χ^2/NDF : 14527.0/47

All: 244.780+/-0.604 χ^2/NDF : 24472.7/89

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.315 $\pm$ 1.391 χ^2 /NDF: 671.8/18

Left Out: 61.240 $\pm$ 0.903 χ^2 /NDF:718.8/24

Right Out: 42.920 $\pm$ 1.283 χ^2 /NDF: 575.2/22

Left In: 62.538 $\pm$ 0.940 χ^2 /NDF:520.0/22

Left: 61.862 $\pm$ 0.651 χ^2 /NDF: 1239.8/47

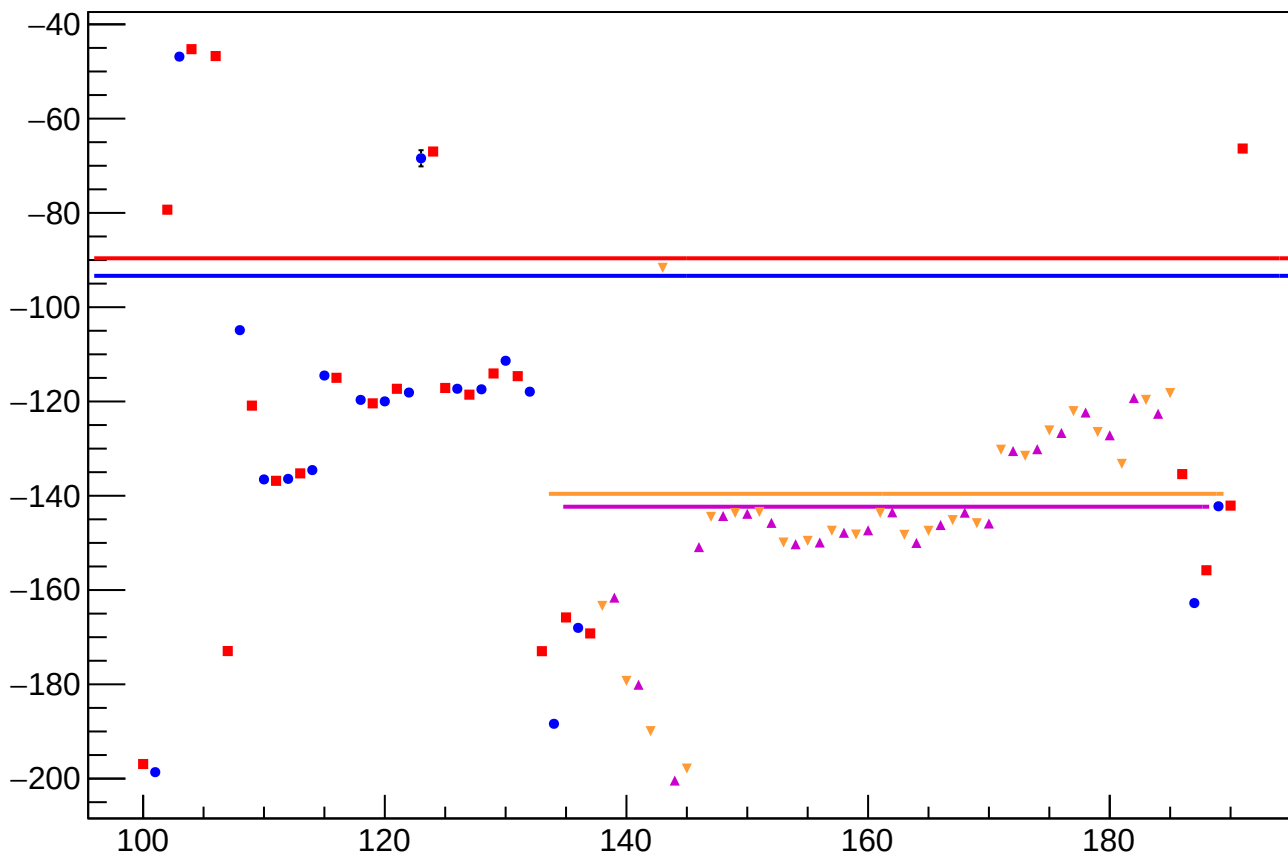
Right: 47.238 $\pm$ 0.943 χ^2 /NDF: 1271.7/41

In: 59.333 $\pm$ 0.779 χ^2 /NDF:1228.9/41

Out: 55.175 $\pm$ 0.738 χ^2 /NDF:1430.4/47

All: 57.142 $\pm$ 0.536 χ^2 /NDF: 2674.3/89

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -93.350 ± 0.066 $\chi^2/\text{NDF}: 563336.7/18$

Left Out: -139.585 ± 0.043 $\chi^2/\text{NDF}: 243895.1/24$

Right Out: -89.627 ± 0.061 $\chi^2/\text{NDF}: 577035.6/22$

Left In: -142.326 ± 0.044 $\chi^2/\text{NDF}: 144642.3/22$

Left: -140.930 ± 0.031 $\chi^2/\text{NDF}: 390521.6/47$

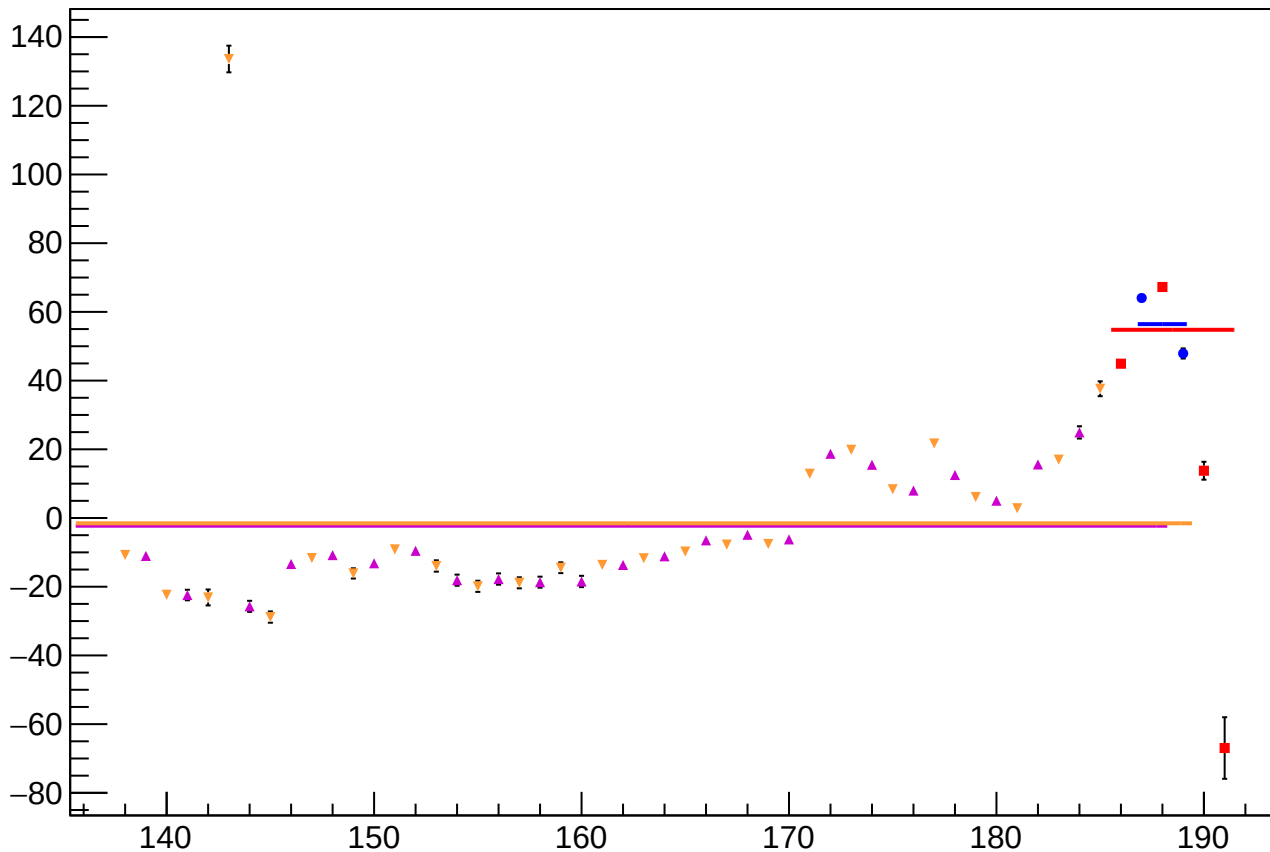
Right: -91.343 ± 0.045 $\chi^2/\text{NDF}: 1142079.8/41$

In: -127.346 ± 0.037 $\chi^2/\text{NDF}: 1088543.1/41$

Out: -123.012 ± 0.035 $\chi^2/\text{NDF}: 1266658.6/47$

All: -125.098 ± 0.025 $\chi^2/\text{NDF}: 2362485.5/89$

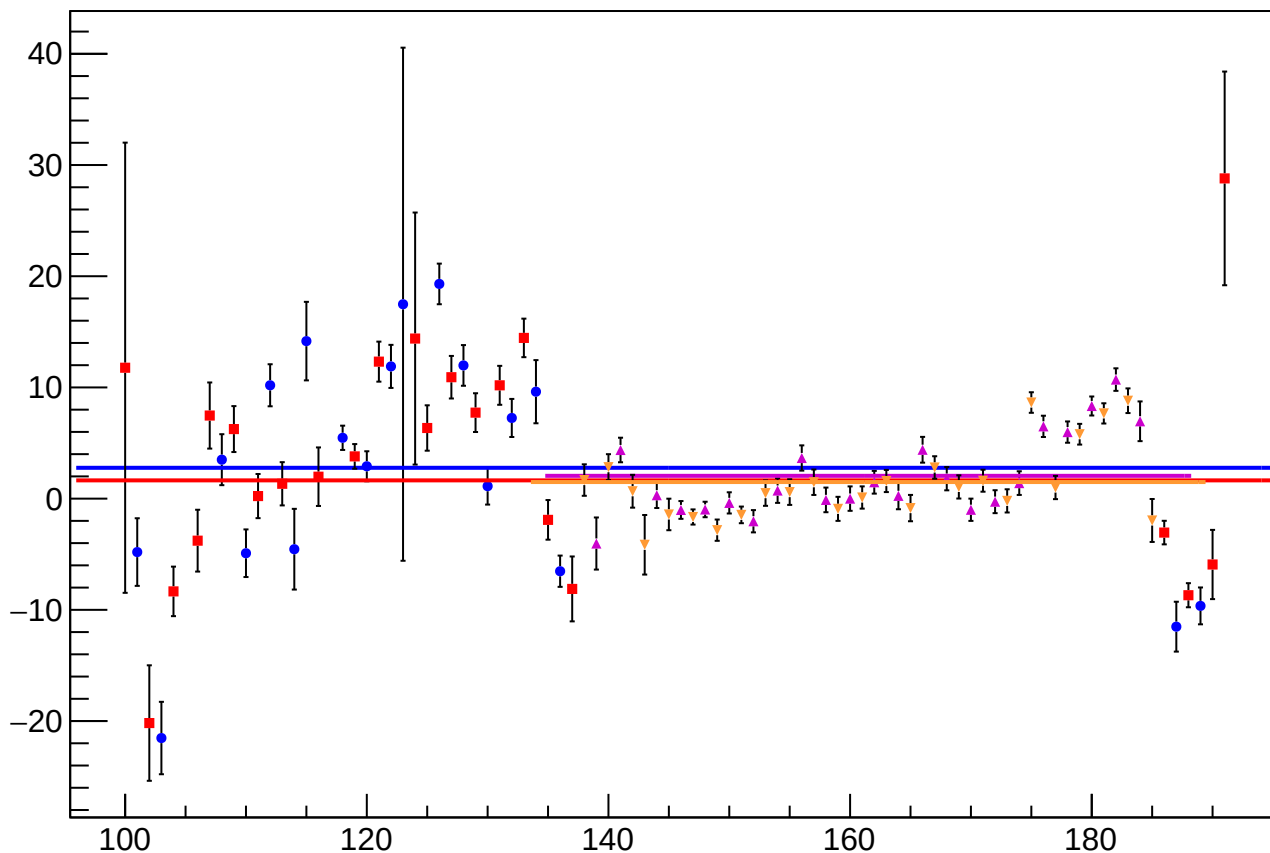
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 56.439+/-1.013 χ^2/NDF : 63.2/1
 Left Out: -1.540+/-0.268 χ^2/NDF : 4129.1/24
 Right Out: 54.788+/-0.562 χ^2/NDF : 822.2/3
 Left In: -2.244+/-0.270 χ^2/NDF : 2561.6/22

Left: -1.890+/-0.190 χ^2/NDF : 6694.2/47
 Right: 55.176+/-0.492 χ^2/NDF : 887.4/5
 In: 1.635+/-0.260 χ^2/NDF : 5758.0/24
 Out: 8.874+/-0.242 χ^2/NDF : 13136.0/28
 All: 5.525+/-0.177 χ^2/NDF : 19309.0/53

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.773 $\pm$ 0.438 χ^2 /NDF: 394.9/18

Left Out: 1.492 $\pm$ 0.210 χ^2 /NDF:258.3/24

Right Out: 1.642 $\pm$ 0.398 χ^2 /NDF: 350.5/22

Left In: 2.051 $\pm$ 0.215 χ^2 /NDF:275.4/22

Left: 1.766 $\pm$ 0.150 χ^2 /NDF: 537.2/47

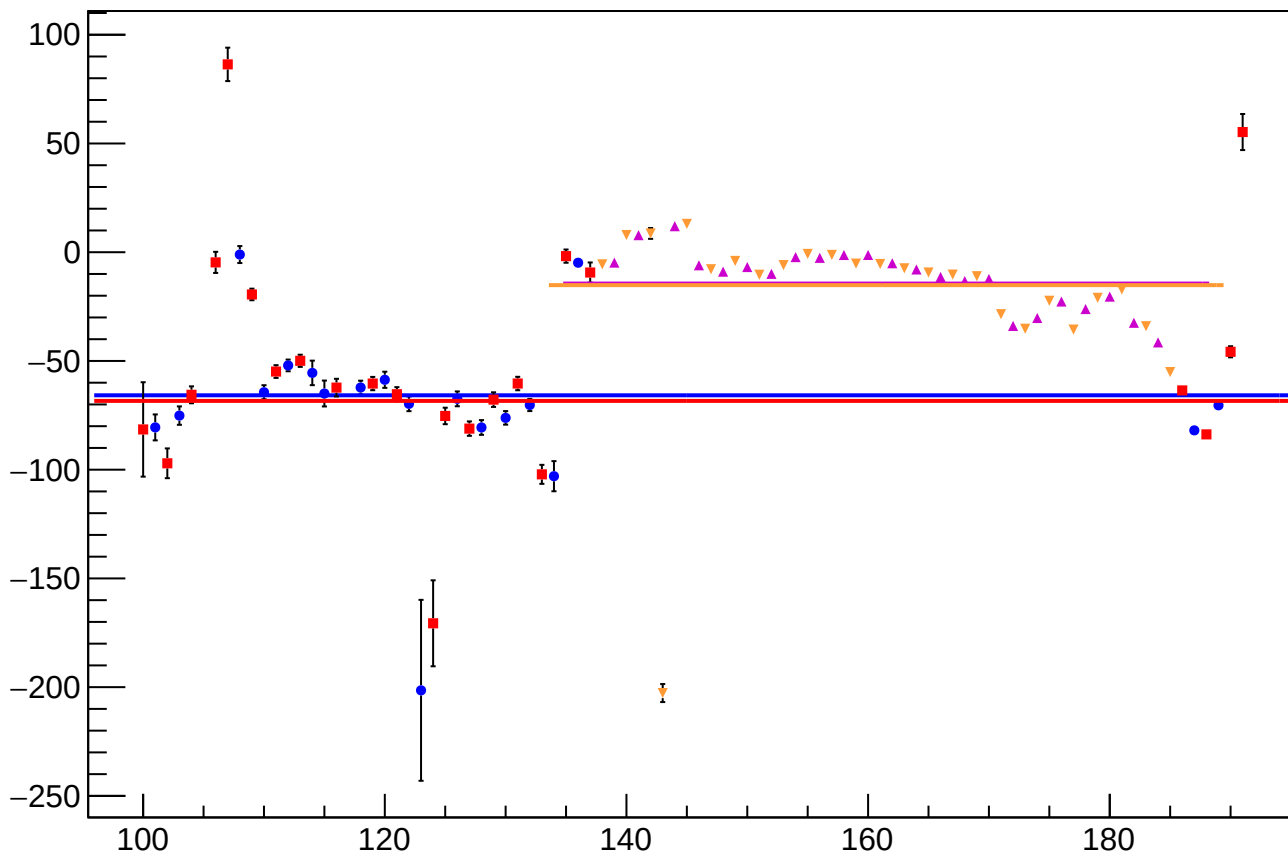
Right: 2.154 $\pm$ 0.295 χ^2 /NDF: 749.1/41

In: 2.191 $\pm$ 0.193 χ^2 /NDF:672.5/41

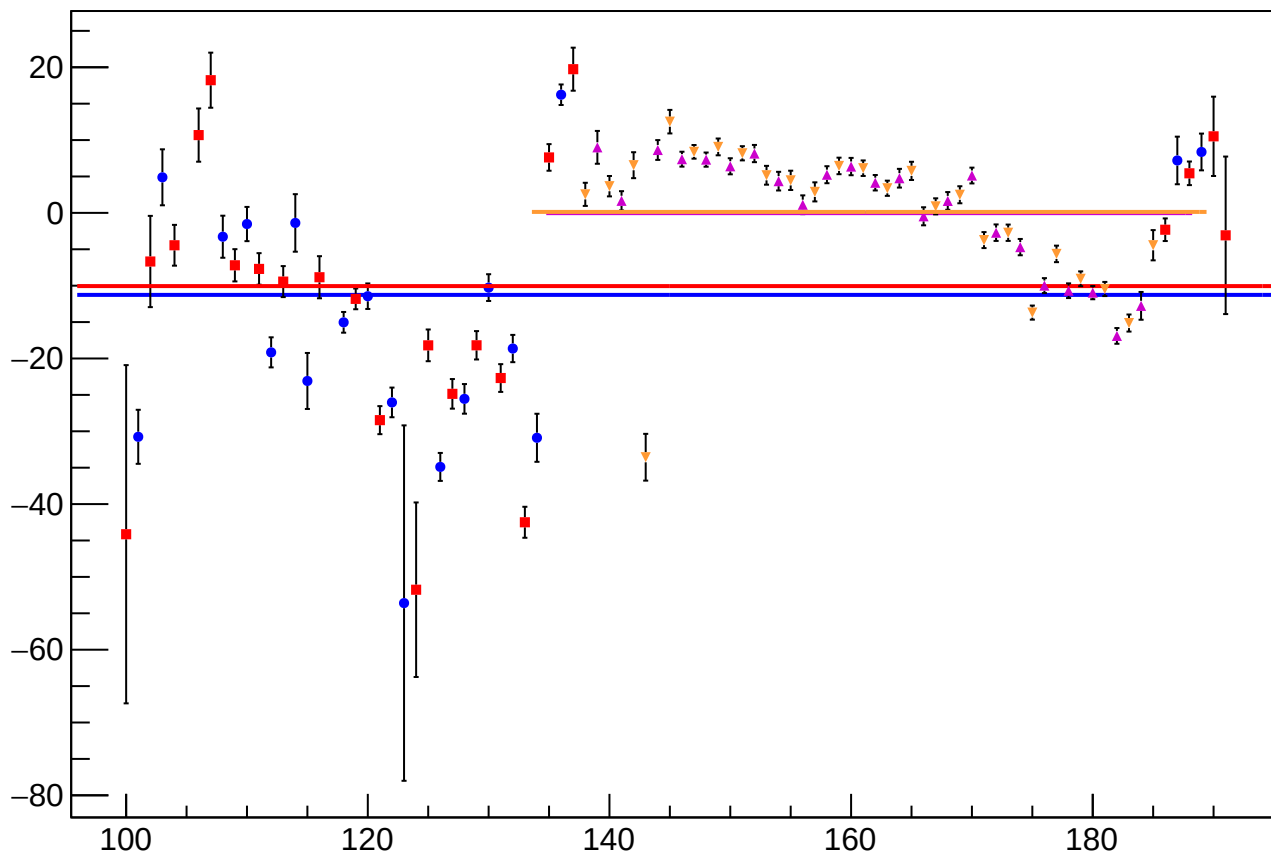
Out: 1.525 $\pm$ 0.186 χ^2 /NDF:609.0/47

All: 1.846 $\pm$ 0.134 χ^2 /NDF: 1287.7/89

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -11.264 ± 0.512 χ^2/NDF : 887.1/18

Left Out: 0.133 ± 0.238 χ^2/NDF : 1146.9/24

Right Out: -10.056 ± 0.483 χ^2/NDF : 889.3/22

Left In: -0.036 ± 0.242 χ^2/NDF : 1027.6/22

Left: 0.049 ± 0.170 χ^2/NDF : 2174.8/47

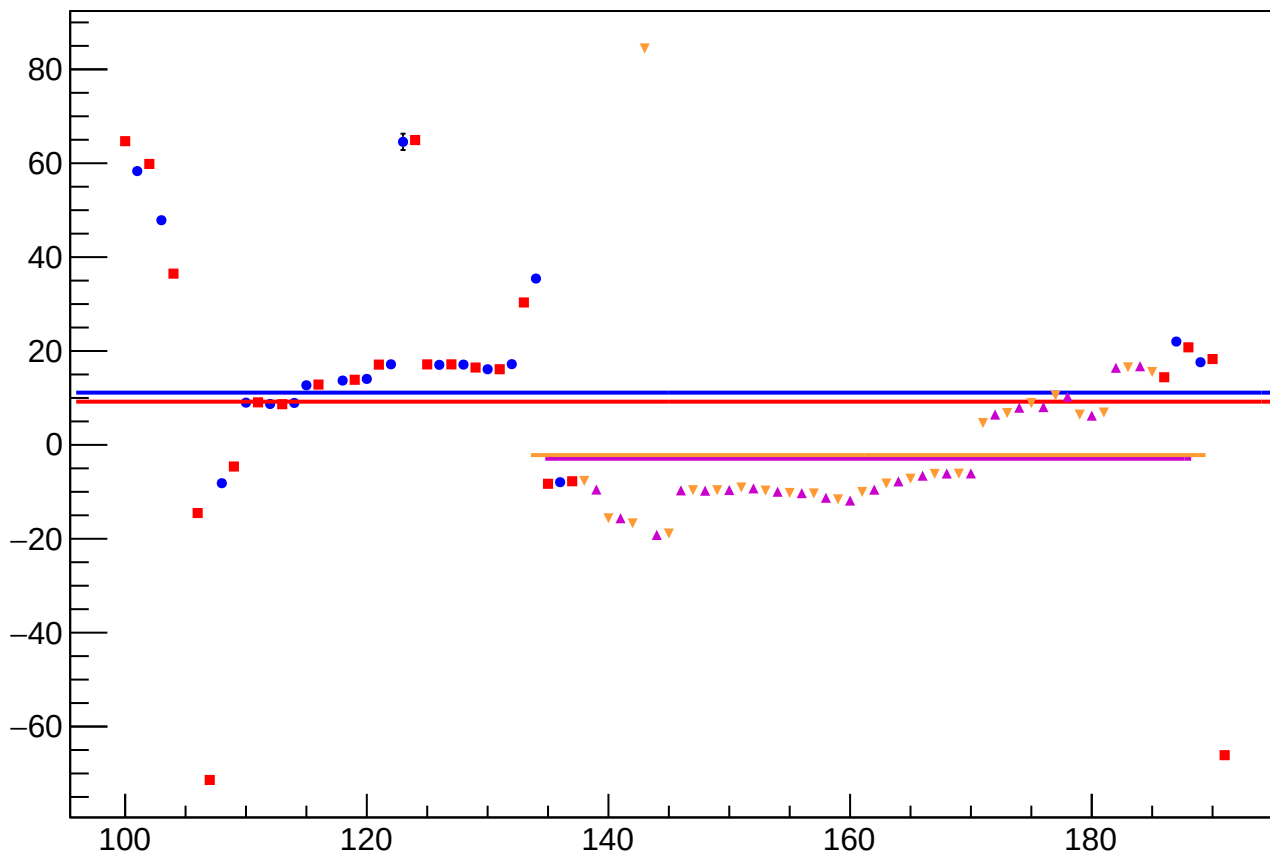
Right: -10.624 ± 0.351 χ^2/NDF : 1779.3/41

In: -2.089 ± 0.219 χ^2/NDF : 2307.1/41

Out: -1.864 ± 0.214 χ^2/NDF : 2394.3/47

All: -1.973 ± 0.153 χ^2/NDF : 4701.9/89

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.131+/-0.029 χ^2/NDF : 388355.3/18

Left Out: -2.176+/-0.011 χ^2/NDF : 1047394.9/24

Right Out: 9.208+/-0.028 χ^2/NDF : 636045.4/22

Left In: -2.949+/-0.011 χ^2/NDF : 770702.4/22

Left: -2.562+/-0.008 χ^2/NDF : 1820593.2/47

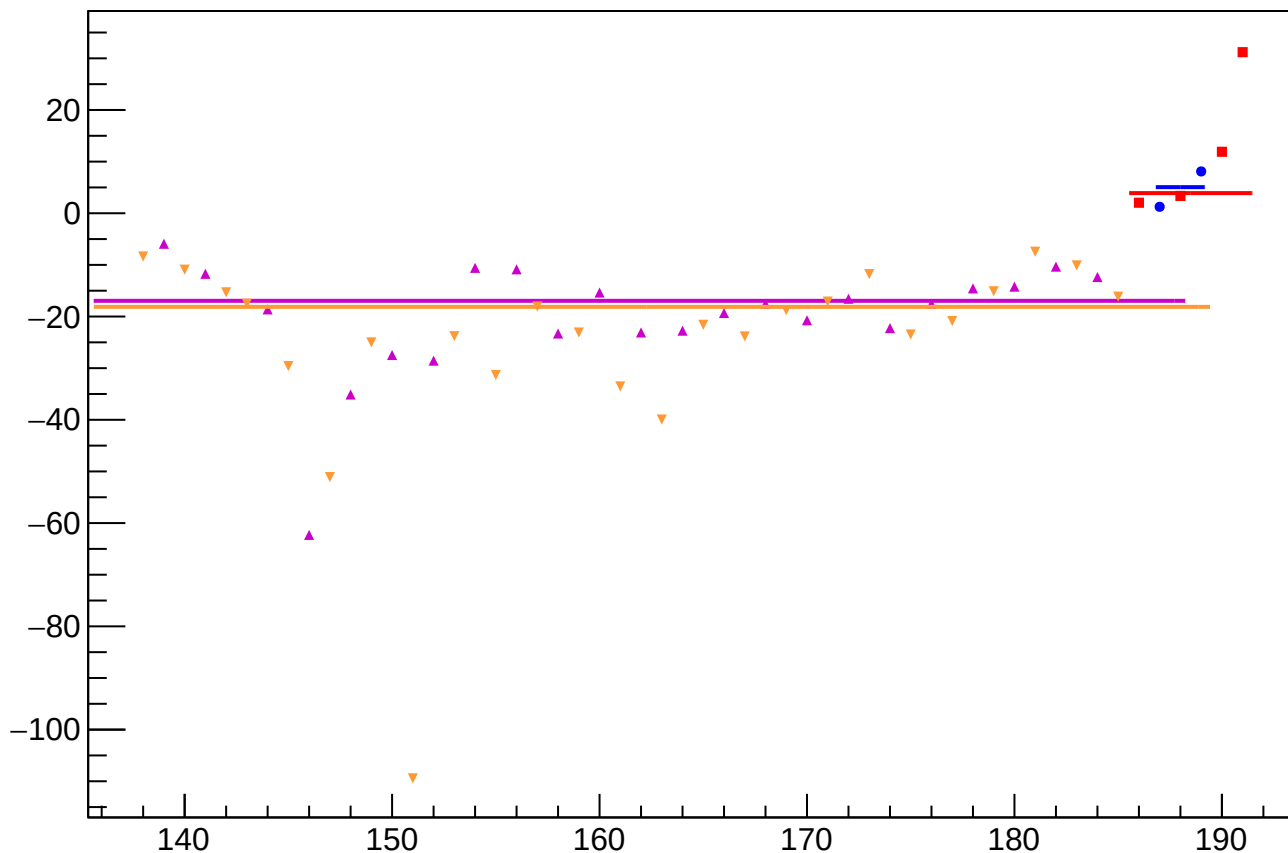
Right: 10.126+/-0.020 χ^2/NDF : 1026682.3/41

In: -1.204+/-0.010 χ^2/NDF : 1363899.8/41

Out: -0.656+/-0.010 χ^2/NDF : 1828482.0/47

All: -0.928+/-0.007 χ^2/NDF : 3193826.5/89

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 5.054 ± 0.188 $\chi^2/\text{NDF}: 328.6/1$

Left Out: -18.127 ± 0.039 $\chi^2/\text{NDF}: 88514.4/24$

Right Out: 3.903 ± 0.092 $\chi^2/\text{NDF}: 1566.4/3$

Left In: -16.958 ± 0.038 $\chi^2/\text{NDF}: 44759.9/22$

Left: -17.528 ± 0.027 $\chi^2/\text{NDF}: 133736.2/47$

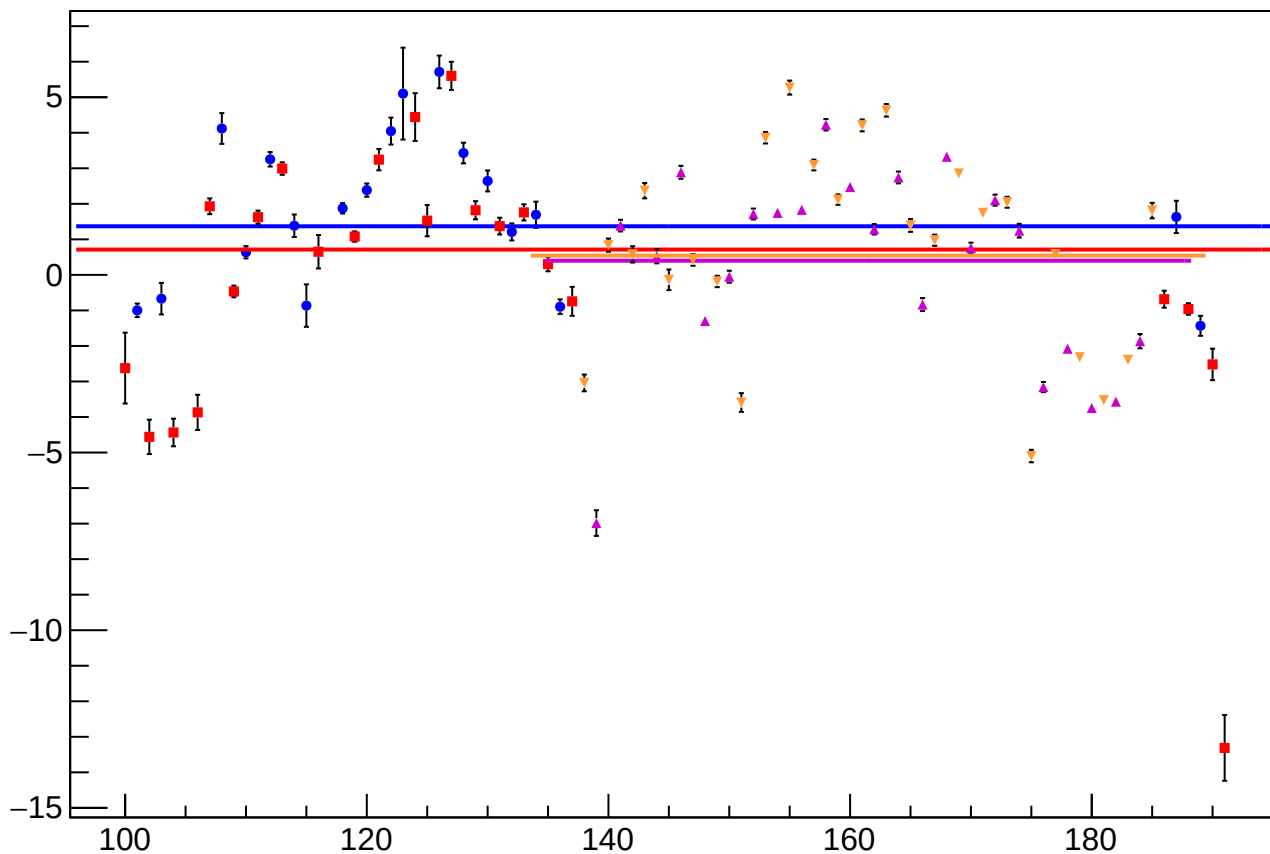
Right: 4.128 ± 0.083 $\chi^2/\text{NDF}: 1925.3/5$

In: -16.091 ± 0.037 $\chi^2/\text{NDF}: 58295.2/24$

Out: -14.800 ± 0.036 $\chi^2/\text{NDF}: 138376.4/28$

All: -15.422 ± 0.026 $\chi^2/\text{NDF}: 197294.7/53$

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.368 ± 0.059 $\chi^2/\text{NDF}: 812.5/18$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7067.6/24$

Right Out: 0.713 ± 0.053 $\chi^2/\text{NDF}: 1420.0/22$

Left In: 0.398 ± 0.031 $\chi^2/\text{NDF}: 6286.3/22$

Left: 0.467 ± 0.022 $\chi^2/\text{NDF}: 13364.5/47$

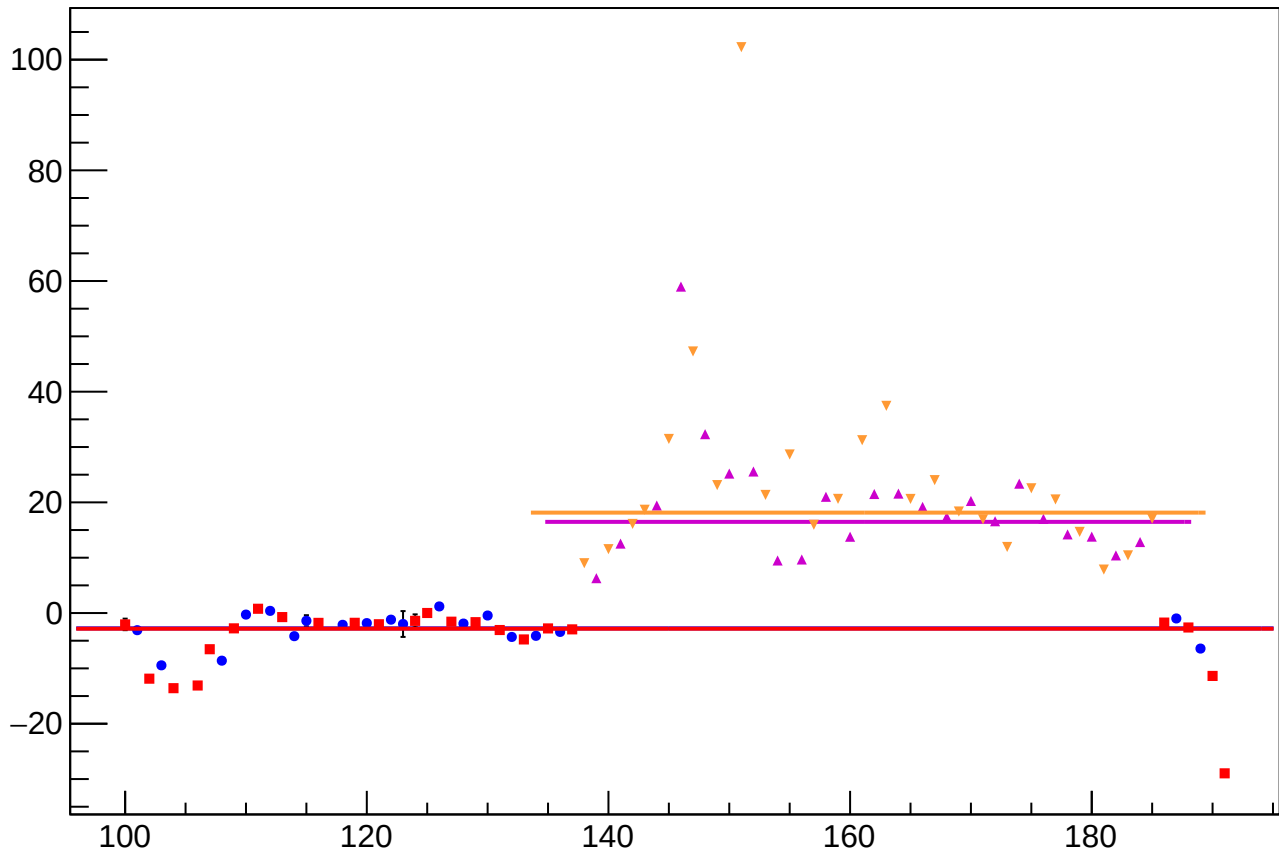
Right: 1.004 ± 0.039 $\chi^2/\text{NDF}: 2300.7/41$

In: 0.603 ± 0.027 $\chi^2/\text{NDF}: 7310.6/41$

Out: 0.589 ± 0.028 $\chi^2/\text{NDF}: 8495.1/47$

All: 0.596 ± 0.019 $\chi^2/\text{NDF}: 15805.8/89$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.772 ± 0.090 $\chi^2/\text{NDF}: 840.6/18$

Left Out: 18.147 ± 0.039 $\chi^2/\text{NDF}: 77805.7/24$

Right Out: -2.829 ± 0.060 $\chi^2/\text{NDF}: 2571.6/22$

Left In: 16.477 ± 0.038 $\chi^2/\text{NDF}: 41326.5/22$

Left: 17.279 ± 0.027 $\chi^2/\text{NDF}: 120078.9/47$

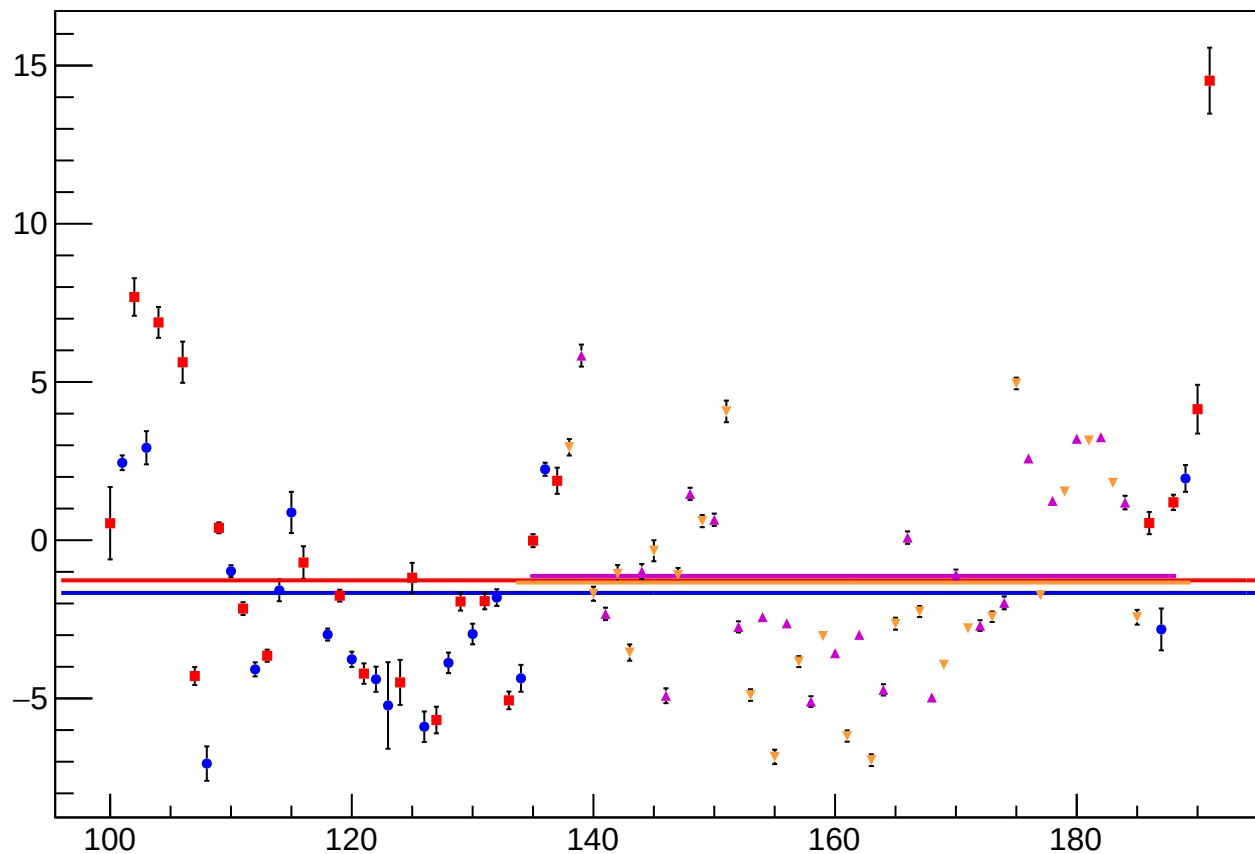
Right: -2.812 ± 0.050 $\chi^2/\text{NDF}: 3412.5/41$

In: 13.633 ± 0.035 $\chi^2/\text{NDF}: 80837.1/41$

Out: 11.866 ± 0.033 $\chi^2/\text{NDF}: 166399.2/47$

All: 12.698 ± 0.024 $\chi^2/\text{NDF}: 248605.6/89$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.666 ± 0.069 $\chi^2/\text{NDF}: 1422.8/18$

Left Out: -1.338 ± 0.036 $\chi^2/\text{NDF}: 7920.8/24$

Right Out: -1.269 ± 0.062 $\chi^2/\text{NDF}: 1925.1/22$

Left In: -1.129 ± 0.034 $\chi^2/\text{NDF}: 6778.7/22$

Left: -1.228 ± 0.025 $\chi^2/\text{NDF}: 14717.3/47$

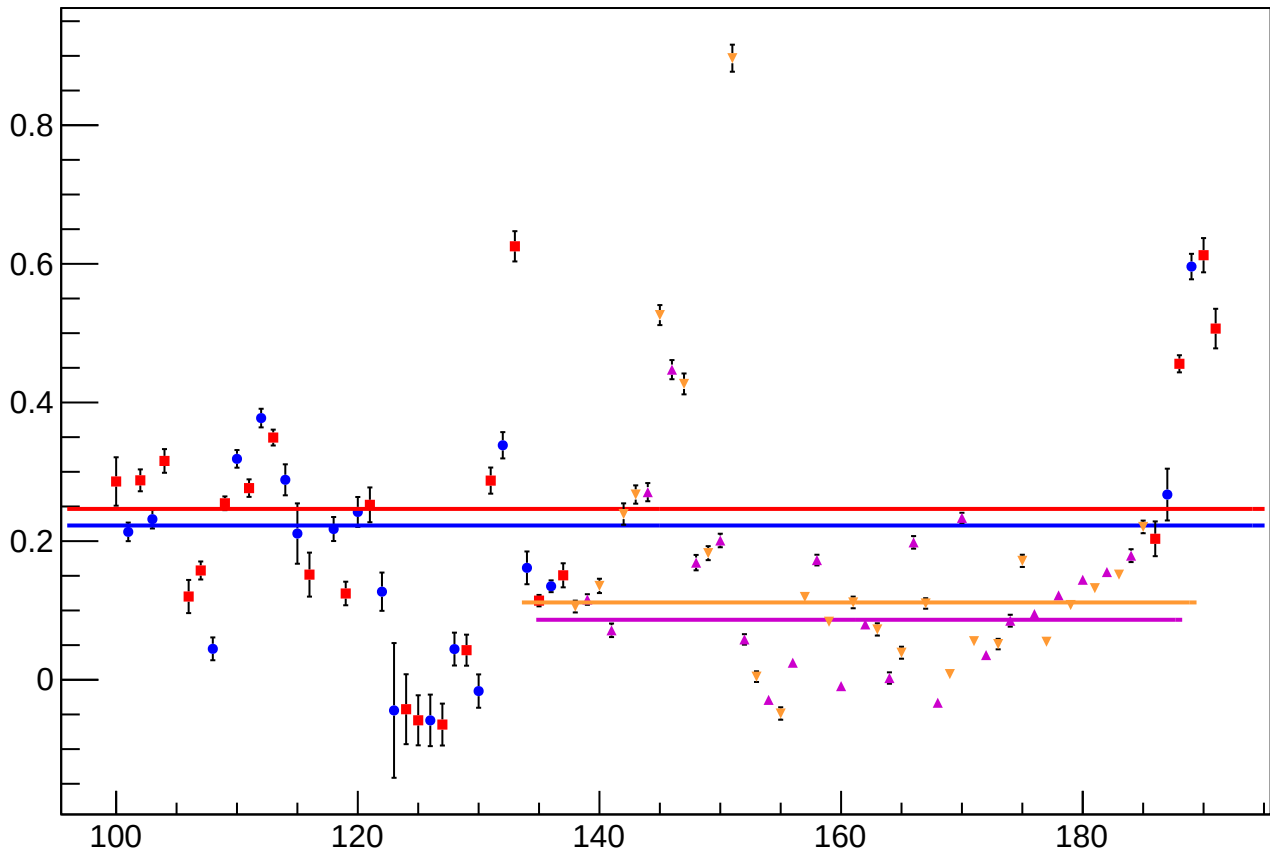
Right: -1.447 ± 0.046 $\chi^2/\text{NDF}: 3366.2/41$

In: -1.234 ± 0.031 $\chi^2/\text{NDF}: 8250.3/41$

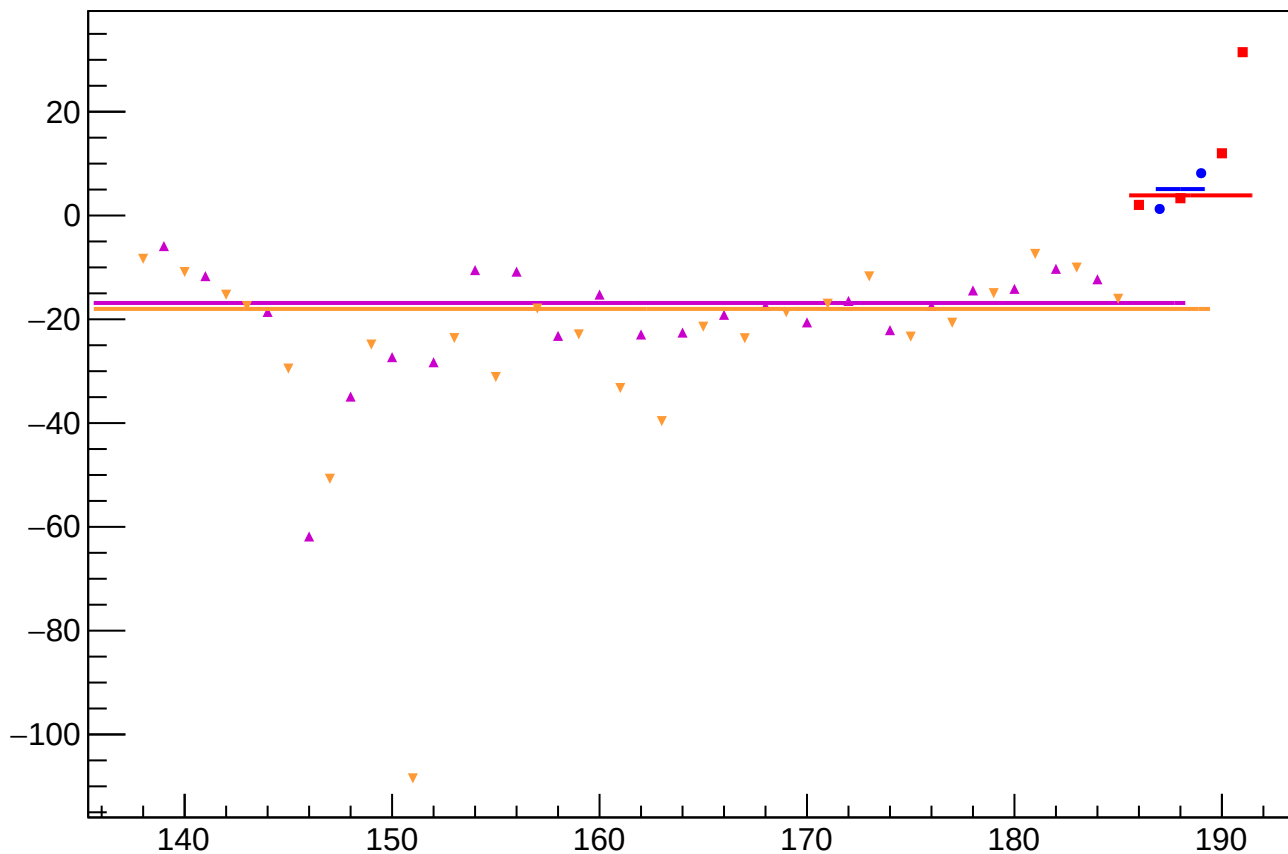
Out: -1.321 ± 0.031 $\chi^2/\text{NDF}: 9846.8/47$

All: -1.276 ± 0.022 $\chi^2/\text{NDF}: 18101.1/89$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 5.095 $\pm$ 0.187 χ^2 /NDF: 335.3/1

Left Out: -18.004 $\pm$ 0.039 χ^2 /NDF:88352.2/24

Right Out: 3.880 $\pm$ 0.091 χ^2 /NDF: 1613.0/3

Left In: -16.854 $\pm$ 0.038 χ^2 /NDF:44680.7/22

Left: -17.415 $\pm$ 0.027 χ^2 /NDF: 133485.7/47

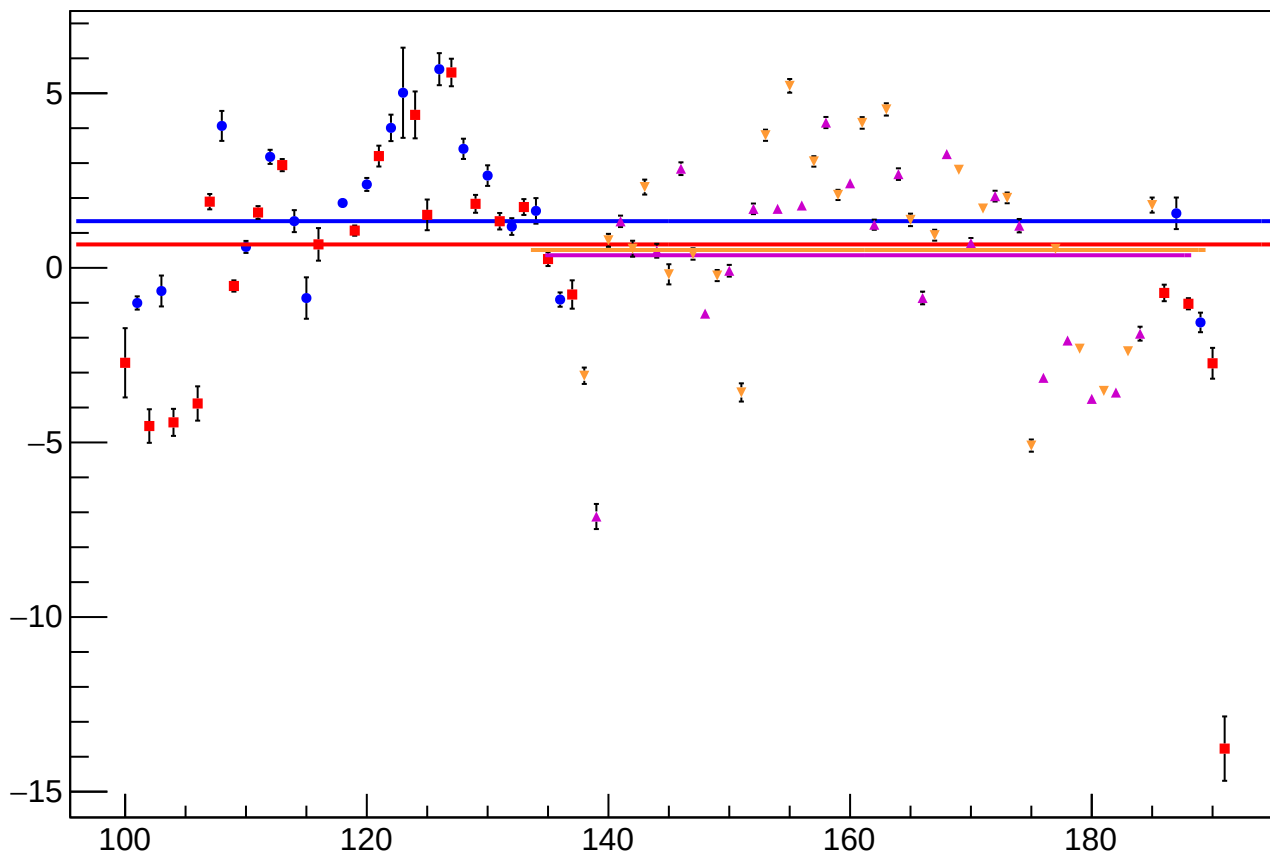
Right: 4.114 $\pm$ 0.082 χ^2 /NDF: 1982.4/5

In: -15.994 $\pm$ 0.037 χ^2 /NDF:58256.6/24

Out: -14.675 $\pm$ 0.036 χ^2 /NDF:138656.5/28

All: -15.309 $\pm$ 0.026 χ^2 /NDF: 197573.3/53

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.337 ± 0.059 $\chi^2/\text{NDF}: 820.0/18$

Left Out: 0.511 ± 0.032 $\chi^2/\text{NDF}: 7053.0/24$

Right Out: 0.671 ± 0.053 $\chi^2/\text{NDF}: 1456.8/22$

Left In: 0.361 ± 0.030 $\chi^2/\text{NDF}: 6273.5/22$

Left: 0.432 ± 0.022 $\chi^2/\text{NDF}: 13338.0/47$

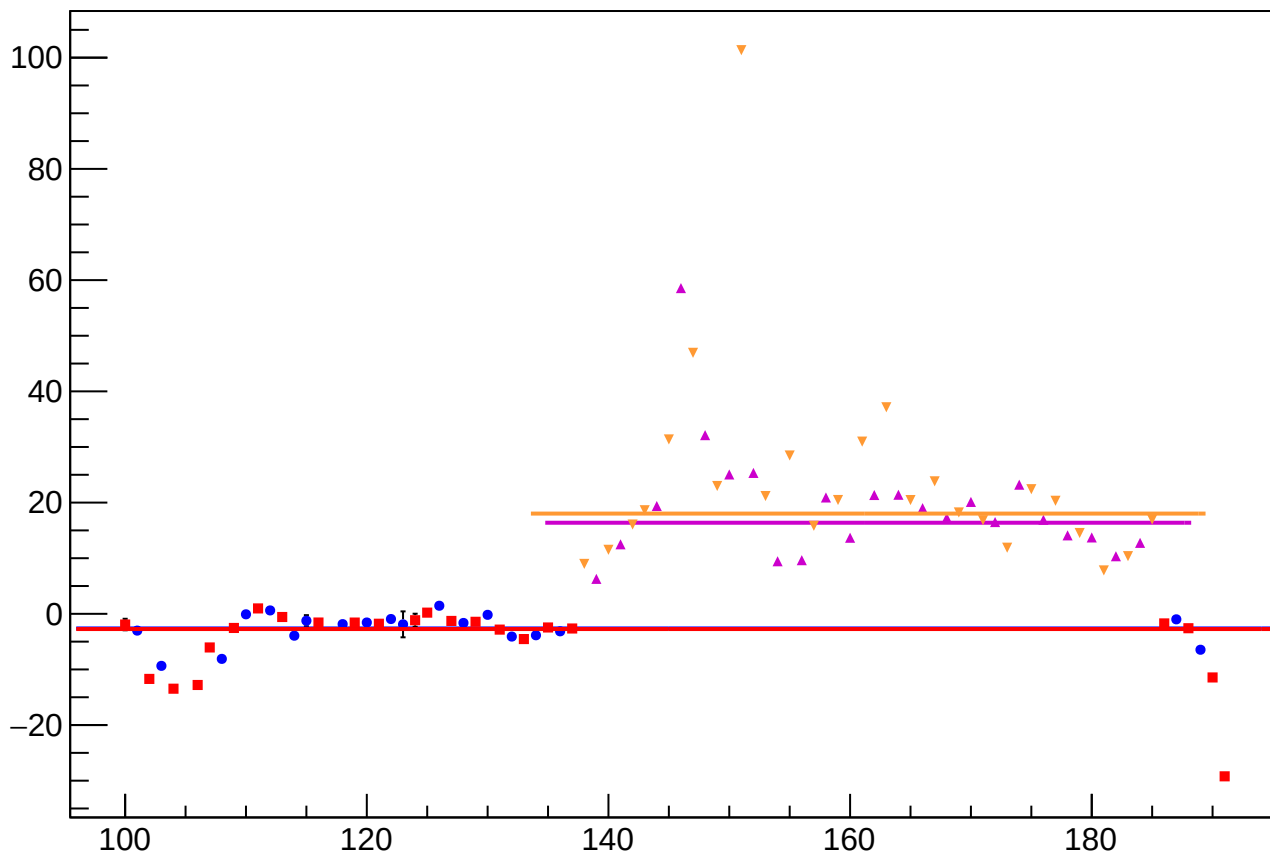
Right: 0.966 ± 0.039 $\chi^2/\text{NDF}: 2348.1/41$

In: 0.567 ± 0.027 $\chi^2/\text{NDF}: 7310.3/41$

Out: 0.555 ± 0.027 $\chi^2/\text{NDF}: 8516.5/47$

All: 0.561 ± 0.019 $\chi^2/\text{NDF}: 15826.9/89$

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.632 ± 0.090 $\chi^2/\text{NDF}: 875.1/18$

Left Out: 18.023 ± 0.039 $\chi^2/\text{NDF}: 77674.0/24$

Right Out: -2.736 ± 0.059 $\chi^2/\text{NDF}: 2637.5/22$

Left In: 16.377 ± 0.037 $\chi^2/\text{NDF}: 41253.5/22$

Left: 17.168 ± 0.027 $\chi^2/\text{NDF}: 119859.6/47$

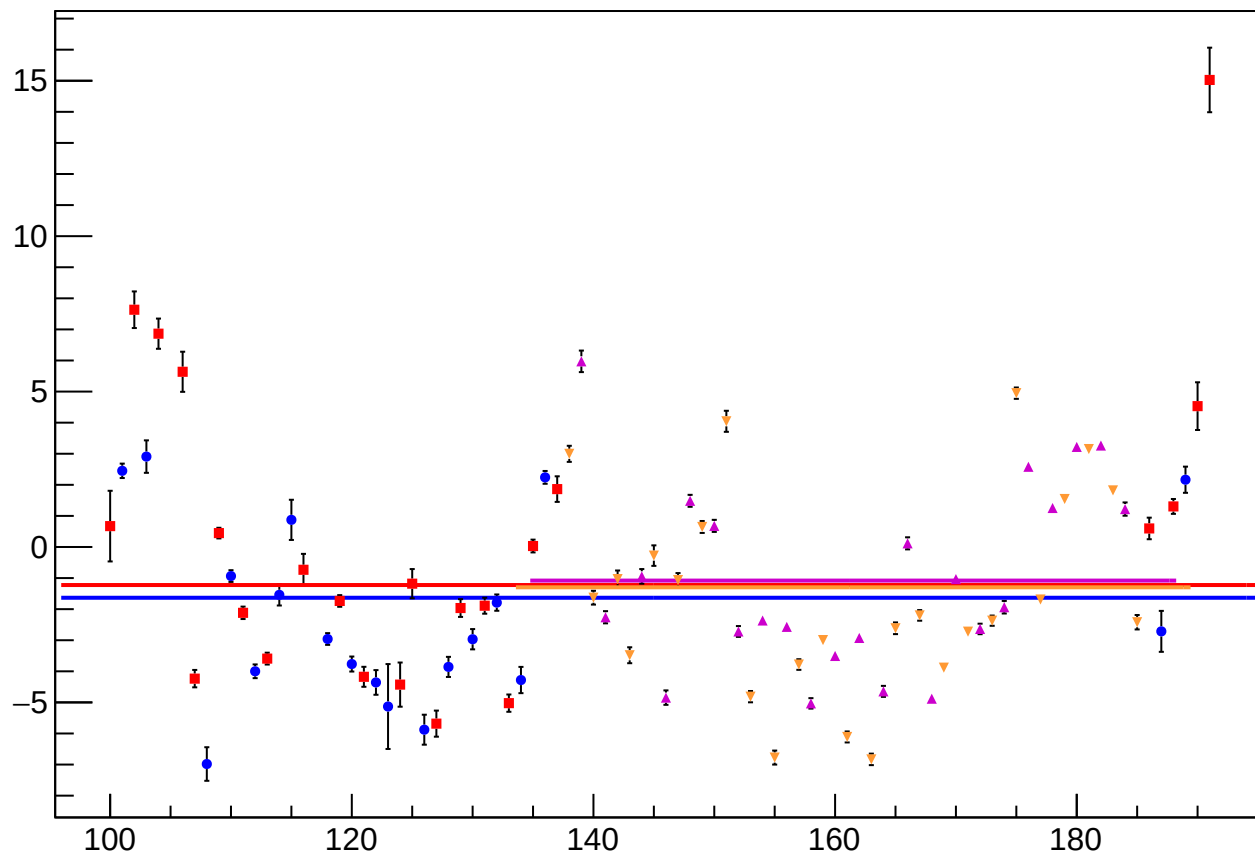
Right: -2.704 ± 0.050 $\chi^2/\text{NDF}: 3513.6/41$

In: 13.578 ± 0.035 $\chi^2/\text{NDF}: 80214.9/41$

Out: 11.789 ± 0.033 $\chi^2/\text{NDF}: 166027.0/47$

All: 12.630 ± 0.024 $\chi^2/\text{NDF}: 247667.1/89$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



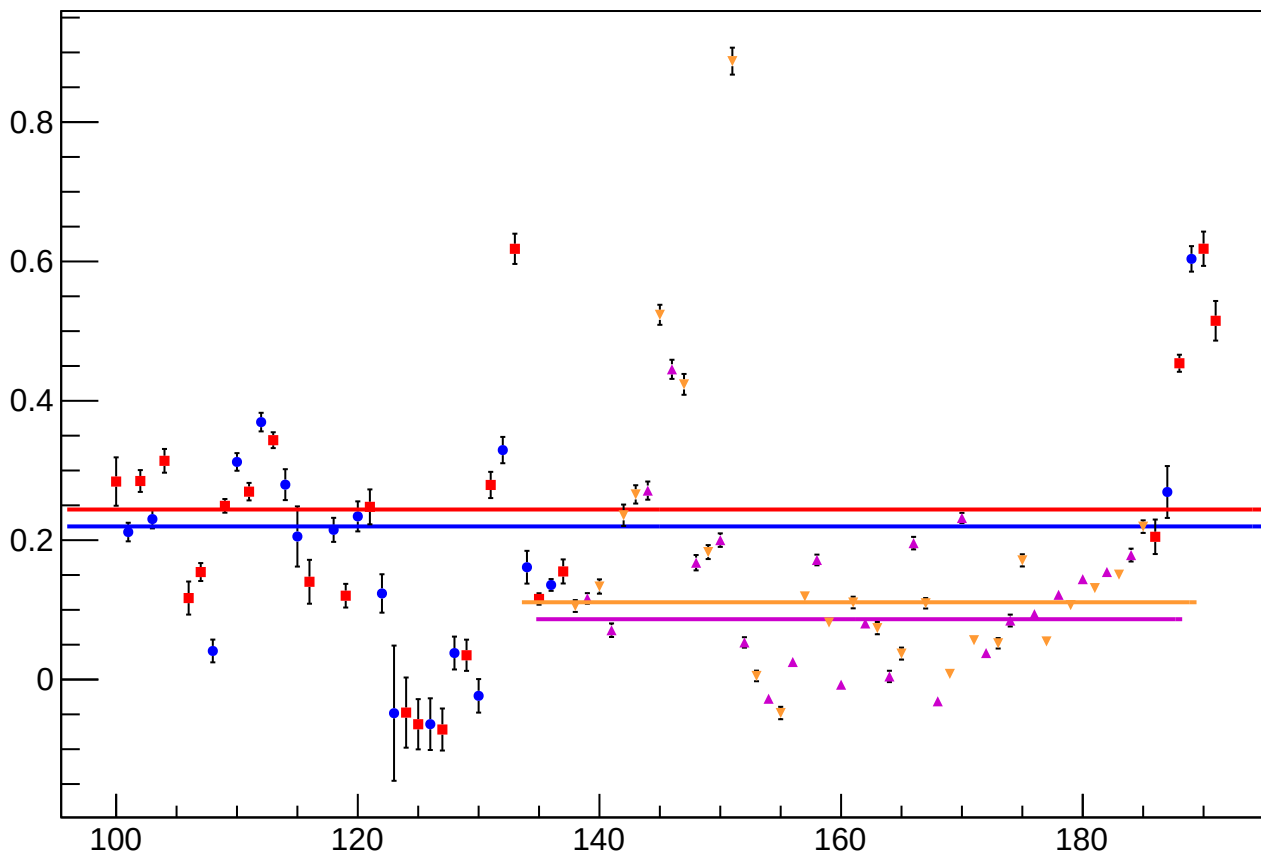
Right In: -1.633+/-0.069 χ^2/NDF : 1427.2/18
 Left Out: -1.297+/-0.036 χ^2/NDF : 7903.2/24
 Right Out: -1.224+/-0.062 χ^2/NDF : 1963.7/22
 Left In: -1.081+/-0.034 χ^2/NDF : 6764.0/22

Left: -1.183+/-0.025 χ^2/NDF : 14686.6/47
 Right: -1.407+/-0.046 χ^2/NDF : 3410.5/41

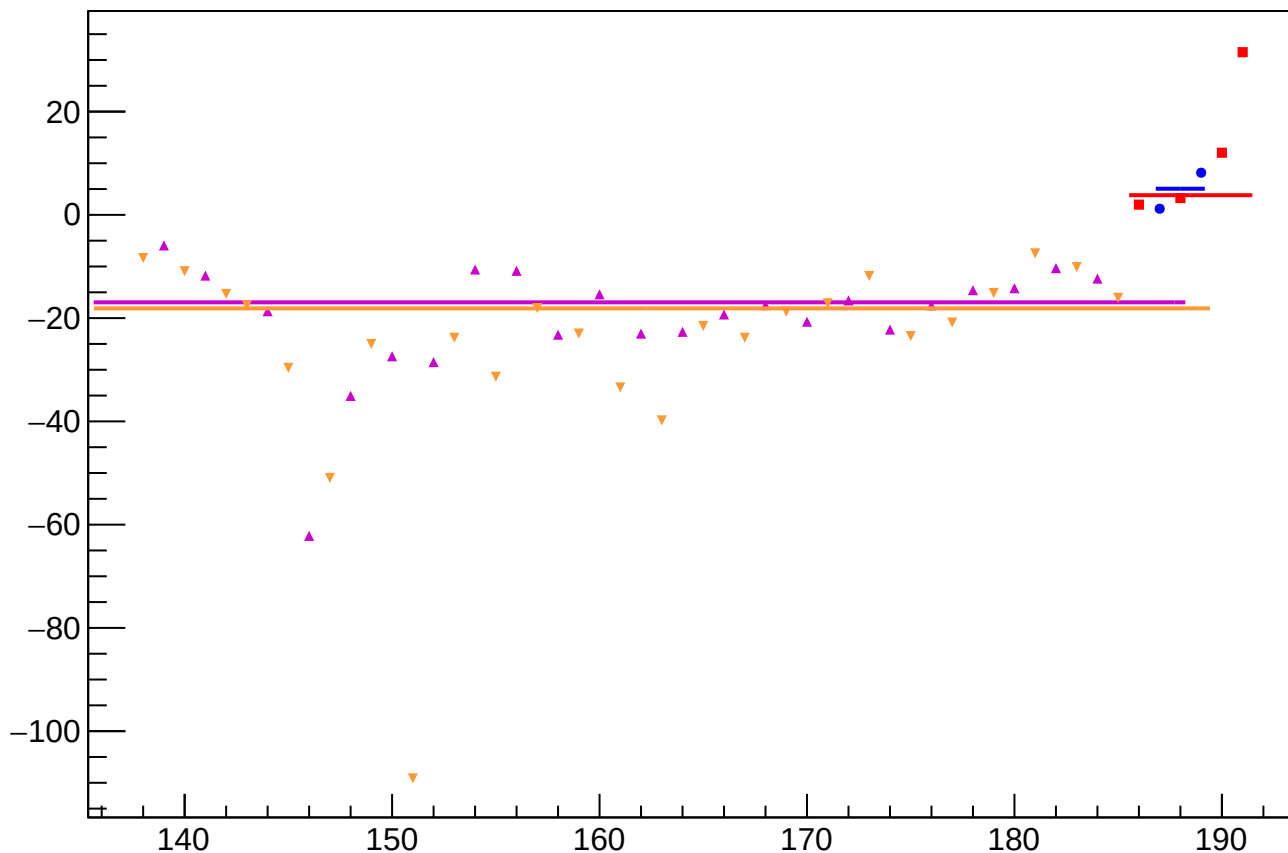
In: -1.189+/-0.030 χ^2/NDF : 8243.4/41
 Out: -1.279+/-0.031 χ^2/NDF : 9867.9/47

All: -1.233+/-0.022 χ^2/NDF : 18115.6/89

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 5.062 $\pm$ 0.188 χ^2 /NDF: 341.2/1

Left Out: -18.112 $\pm$ 0.039 χ^2 /NDF:88488.2/24

Right Out: 3.811 $\pm$ 0.091 χ^2 /NDF: 1623.9/3

Left In: -16.945 $\pm$ 0.038 χ^2 /NDF:44756.2/22

Left: -17.514 $\pm$ 0.027 χ^2 /NDF: 133707.4/47

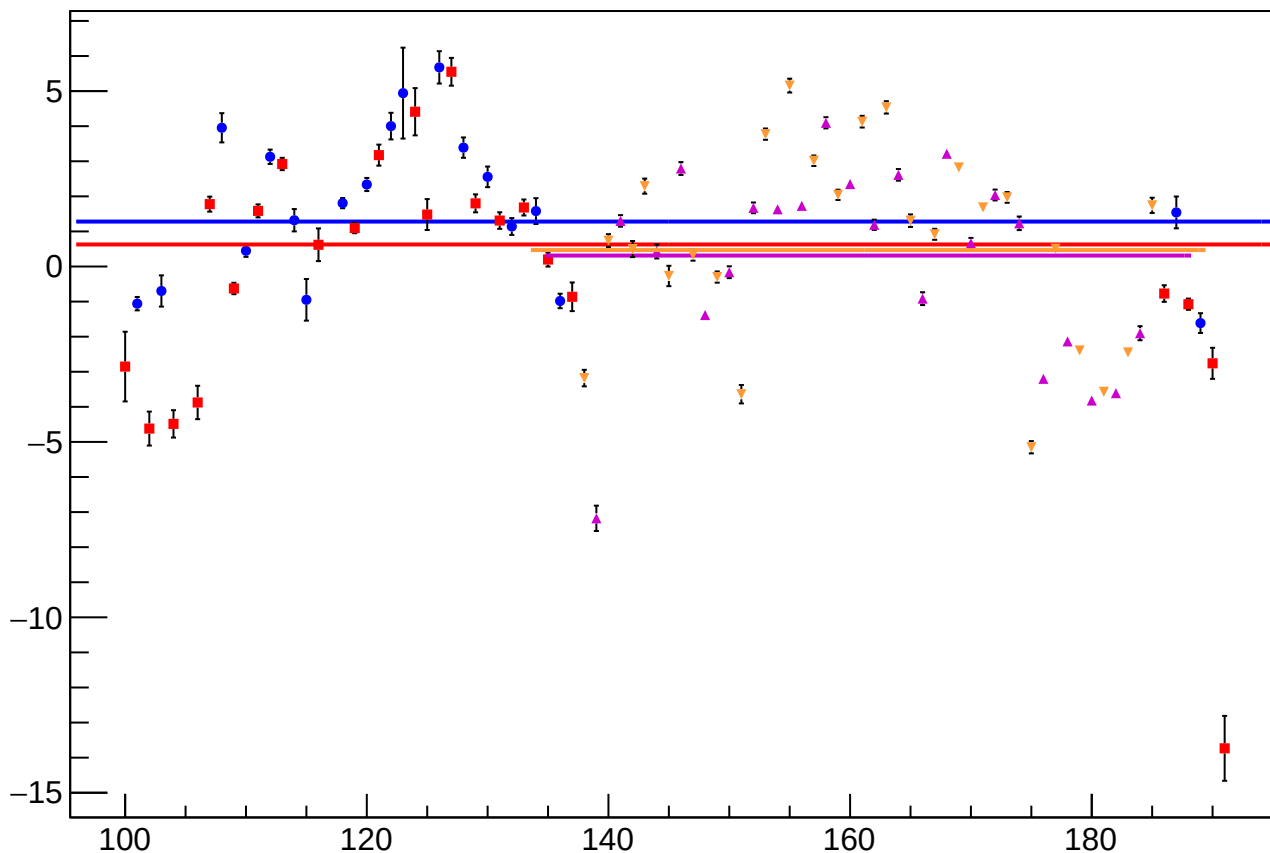
Right: 4.050 $\pm$ 0.082 χ^2 /NDF: 2001.0/5

In: -16.083 $\pm$ 0.037 χ^2 /NDF:58303.9/24

Out: -14.744 $\pm$ 0.036 χ^2 /NDF:139036.6/28

All: -15.388 $\pm$ 0.026 χ^2 /NDF: 198014.8/53

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.281 ± 0.059 $\chi^2/\text{NDF}: 824.5/18$

Left Out: 0.469 ± 0.032 $\chi^2/\text{NDF}: 7076.8/24$

Right Out: 0.628 ± 0.053 $\chi^2/\text{NDF}: 1464.4/22$

Left In: 0.313 ± 0.031 $\chi^2/\text{NDF}: 6235.0/22$

Left: 0.386 ± 0.022 $\chi^2/\text{NDF}: 13324.1/47$

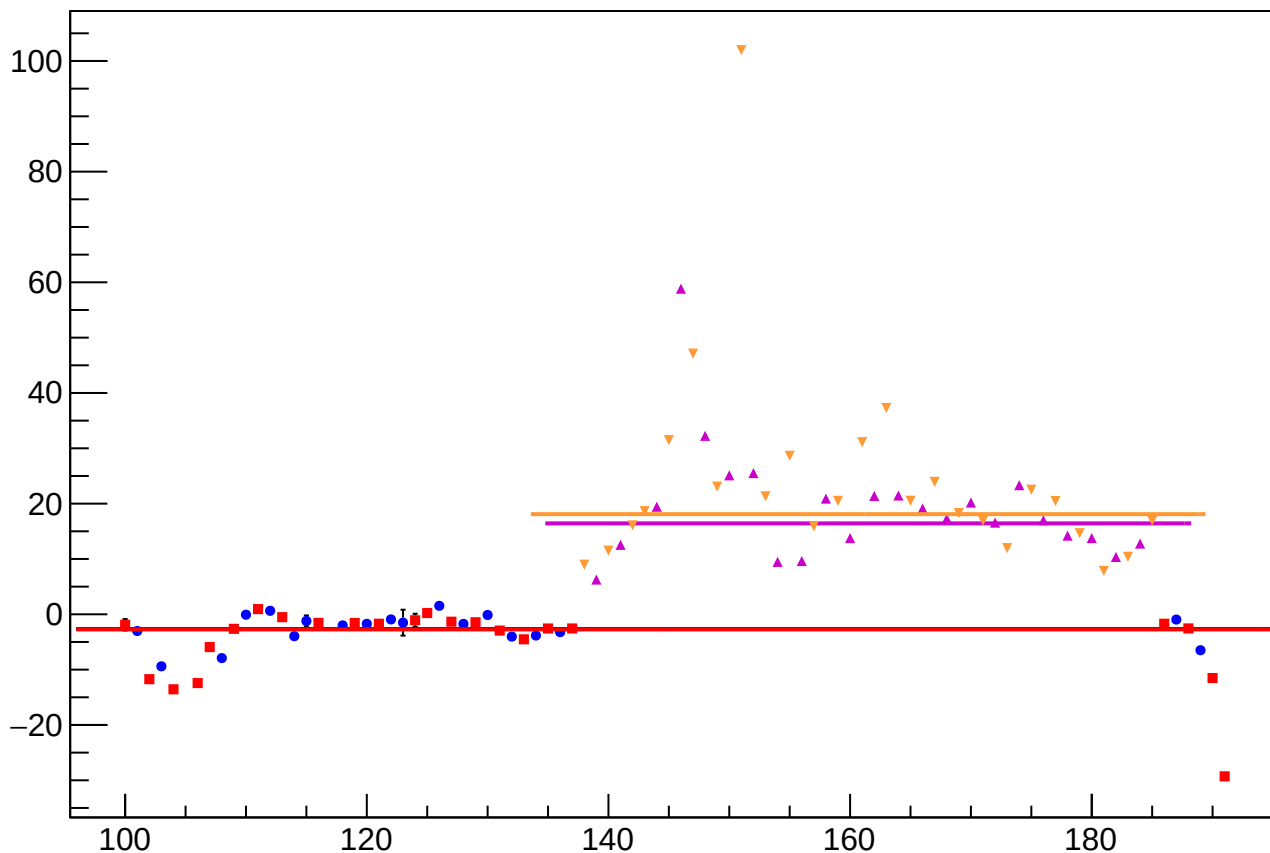
Right: 0.917 ± 0.039 $\chi^2/\text{NDF}: 2356.8/41$

In: 0.516 ± 0.027 $\chi^2/\text{NDF}: 7271.0/41$

Out: 0.512 ± 0.028 $\chi^2/\text{NDF}: 8547.9/47$

All: 0.514 ± 0.019 $\chi^2/\text{NDF}: 15818.9/89$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.652 ± 0.090 $\chi^2/\text{NDF}: 875.8/18$

Left Out: 18.098 ± 0.039 $\chi^2/\text{NDF}: 77793.7/24$

Right Out: -2.732 ± 0.059 $\chi^2/\text{NDF}: 2636.3/22$

Left In: 16.431 ± 0.038 $\chi^2/\text{NDF}: 41337.1/22$

Left: 17.232 ± 0.027 $\chi^2/\text{NDF}: 120078.5/47$

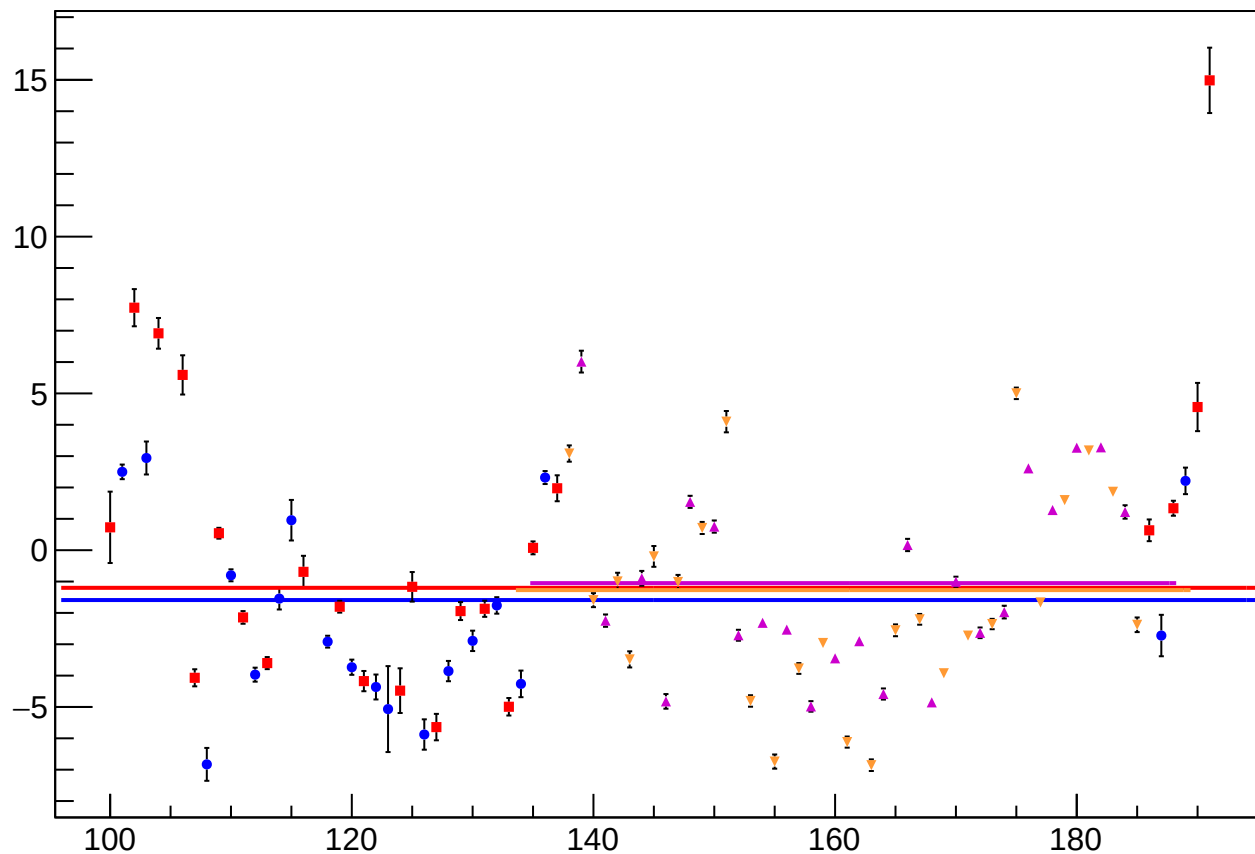
Right: -2.708 ± 0.050 $\chi^2/\text{NDF}: 3512.6/41$

In: 13.626 ± 0.035 $\chi^2/\text{NDF}: 80237.2/41$

Out: 11.811 ± 0.033 $\chi^2/\text{NDF}: 166411.1/47$

All: 12.664 ± 0.024 $\chi^2/\text{NDF}: 248103.4/89$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.590 ± 0.069 χ^2/NDF : 1433.2/18

Left Out: -1.273 ± 0.036 χ^2/NDF : 7931.0/24

Right Out: -1.200 ± 0.062 χ^2/NDF : 1973.4/22

Left In: -1.050 ± 0.034 χ^2/NDF : 6713.0/22

Left: -1.156 ± 0.025 χ^2/NDF : 14664.3/47

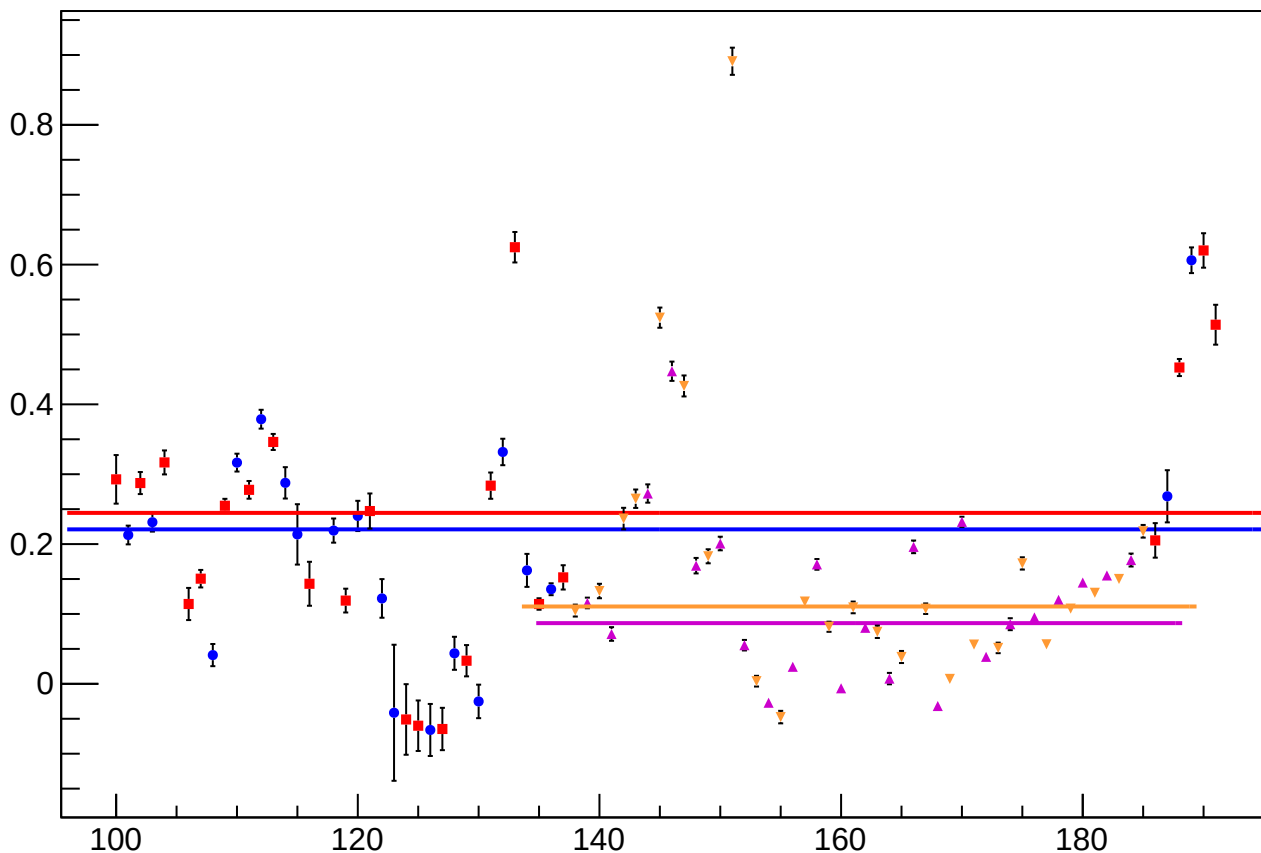
Right: -1.374 ± 0.046 χ^2/NDF : 3424.3/41

In: -1.156 ± 0.030 χ^2/NDF : 8195.4/41

Out: -1.255 ± 0.031 χ^2/NDF : 9905.4/47

All: -1.204 ± 0.022 χ^2/NDF : 18106.1/89

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.221 ± 0.004 $\chi^2/\text{NDF}: 1155.1/18$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4430.3/24$

Right Out: 0.245 ± 0.003 $\chi^2/\text{NDF}: 1766.3/22$

Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3604.3/22$

Left: 0.098 ± 0.001 $\chi^2/\text{NDF}: 8153.0/47$

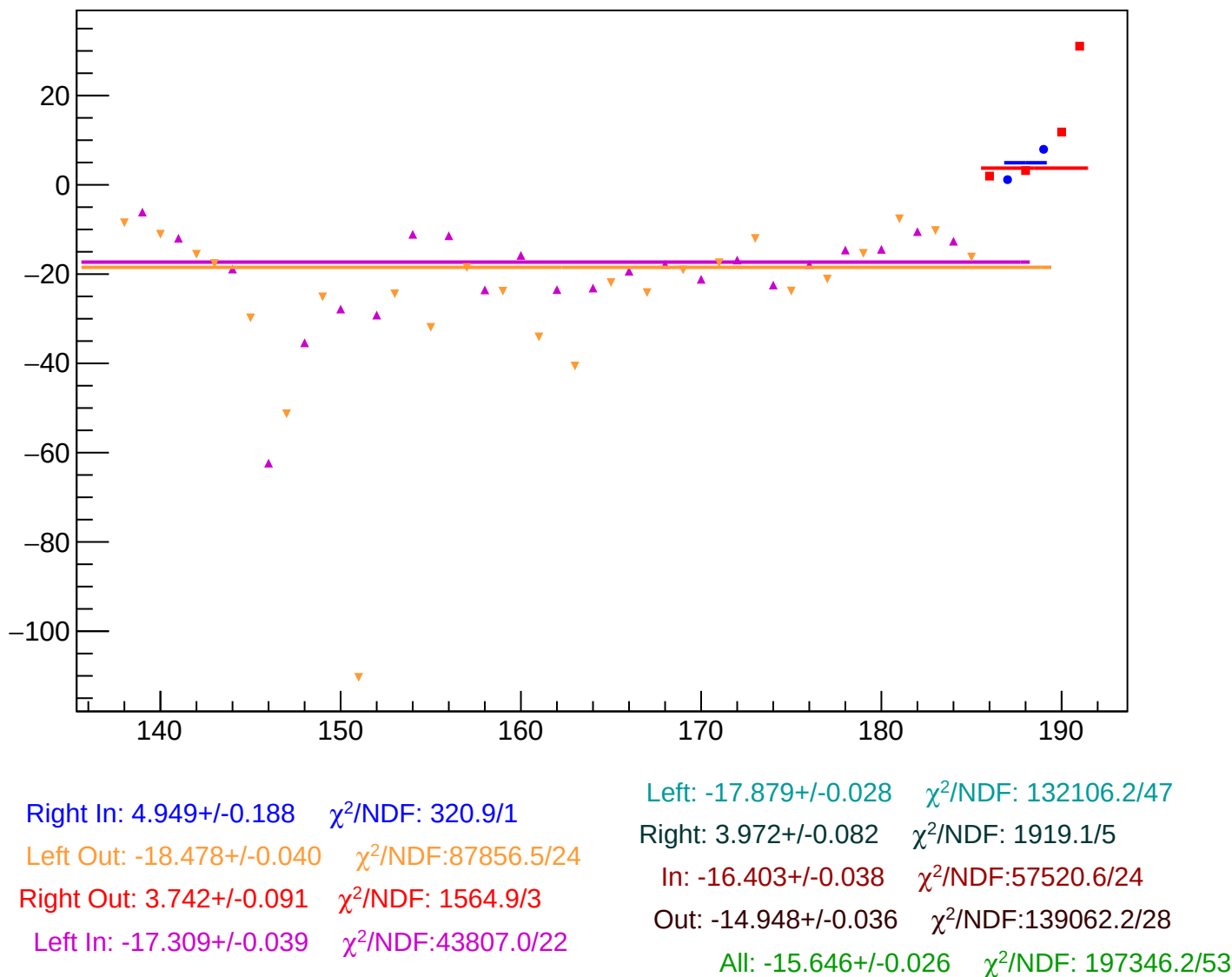
Right: 0.235 ± 0.003 $\chi^2/\text{NDF}: 2941.4/41$

In: 0.103 ± 0.001 $\chi^2/\text{NDF}: 5745.9/41$

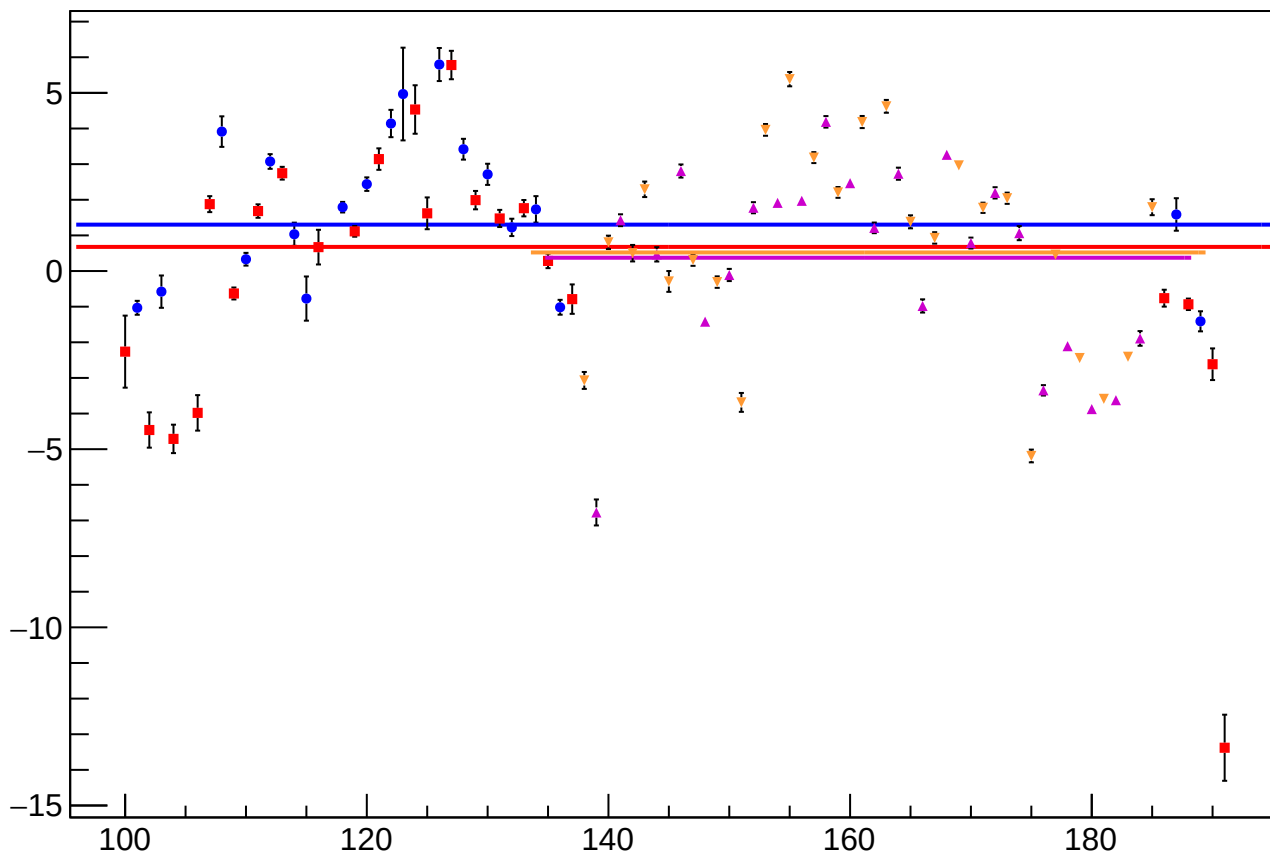
Out: 0.135 ± 0.001 $\chi^2/\text{NDF}: 7449.0/47$

All: 0.118 ± 0.001 $\chi^2/\text{NDF}: 13437.9/89$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.302 ± 0.060 $\chi^2/\text{NDF}: 808.6/18$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7038.3/24$

Right Out: 0.677 ± 0.054 $\chi^2/\text{NDF}: 1410.3/22$

Left In: 0.373 ± 0.031 $\chi^2/\text{NDF}: 6263.9/22$

Left: 0.443 ± 0.023 $\chi^2/\text{NDF}: 13312.8/47$

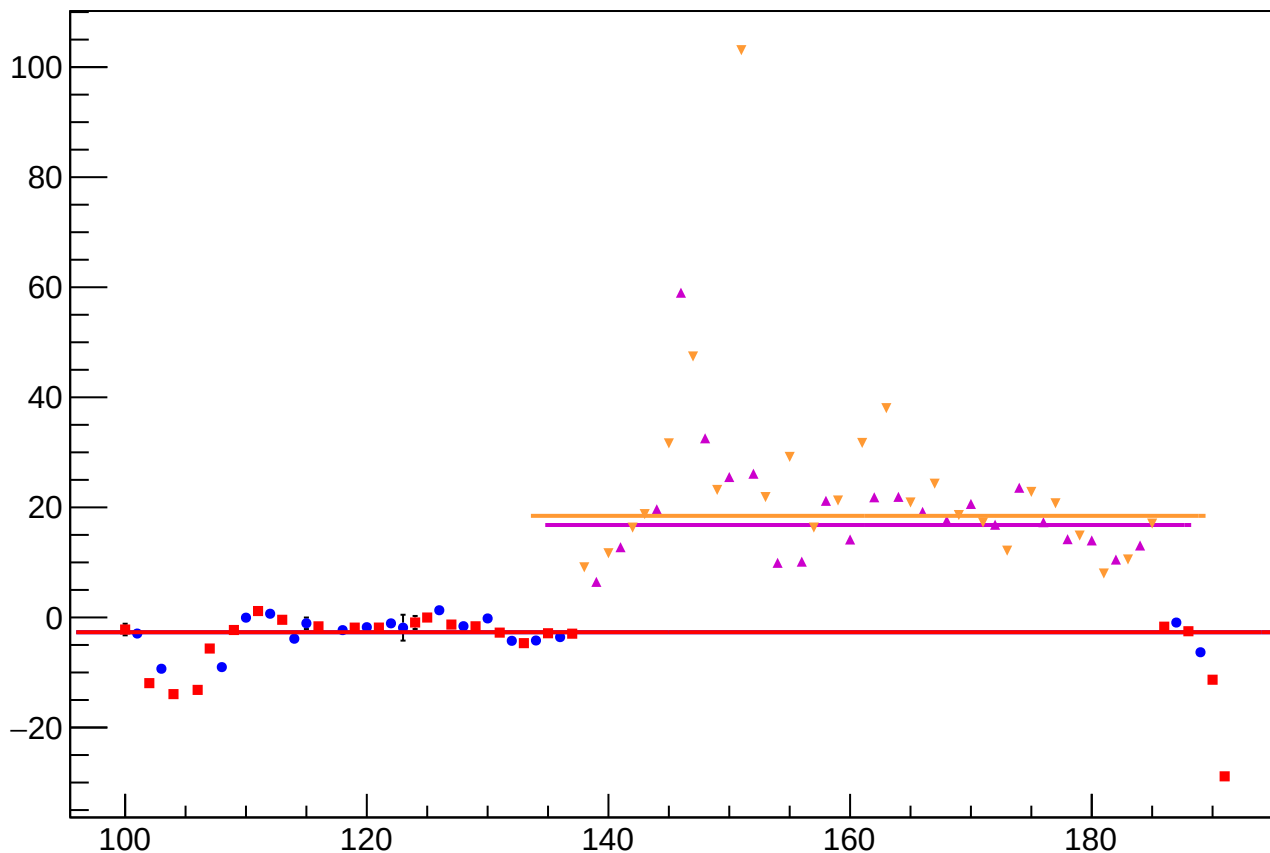
Right: 0.954 ± 0.040 $\chi^2/\text{NDF}: 2279.0/41$

In: 0.571 ± 0.028 $\chi^2/\text{NDF}: 7260.1/41$

Out: 0.565 ± 0.028 $\chi^2/\text{NDF}: 8454.7/47$

All: 0.568 ± 0.020 $\chi^2/\text{NDF}: 15714.8/89$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.692 ± 0.092 $\chi^2/\text{NDF}: 861.9/18$

Left Out: 18.463 ± 0.040 $\chi^2/\text{NDF}: 77193.5/24$

Right Out: -2.684 ± 0.060 $\chi^2/\text{NDF}: 2591.9/22$

Left In: 16.798 ± 0.038 $\chi^2/\text{NDF}: 40258.9/22$

Left: 17.599 ± 0.028 $\chi^2/\text{NDF}: 118354.8/47$

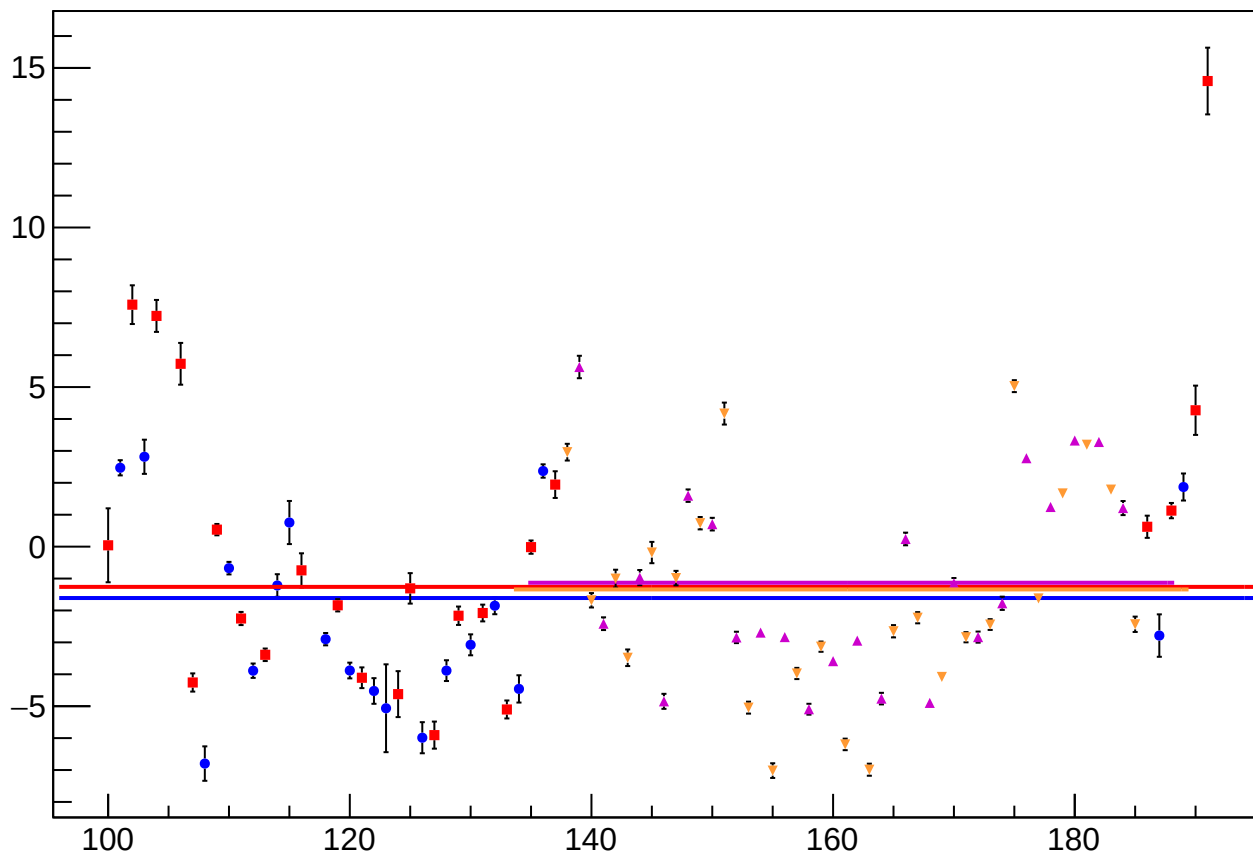
Right: -2.686 ± 0.050 $\chi^2/\text{NDF}: 3453.8/41$

In: 13.879 ± 0.035 $\chi^2/\text{NDF}: 79651.5/41$

Out: 11.961 ± 0.033 $\chi^2/\text{NDF}: 166040.4/47$

All: 12.859 ± 0.024 $\chi^2/\text{NDF}: 247251.5/89$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.610 ± 0.070 χ^2/NDF : 1405.3/18

Left Out: -1.341 ± 0.037 χ^2/NDF : 7886.0/24

Right Out: -1.261 ± 0.063 χ^2/NDF : 1906.9/22

Left In: -1.132 ± 0.035 χ^2/NDF : 6743.4/22

Left: -1.231 ± 0.025 χ^2/NDF : 14646.5/47

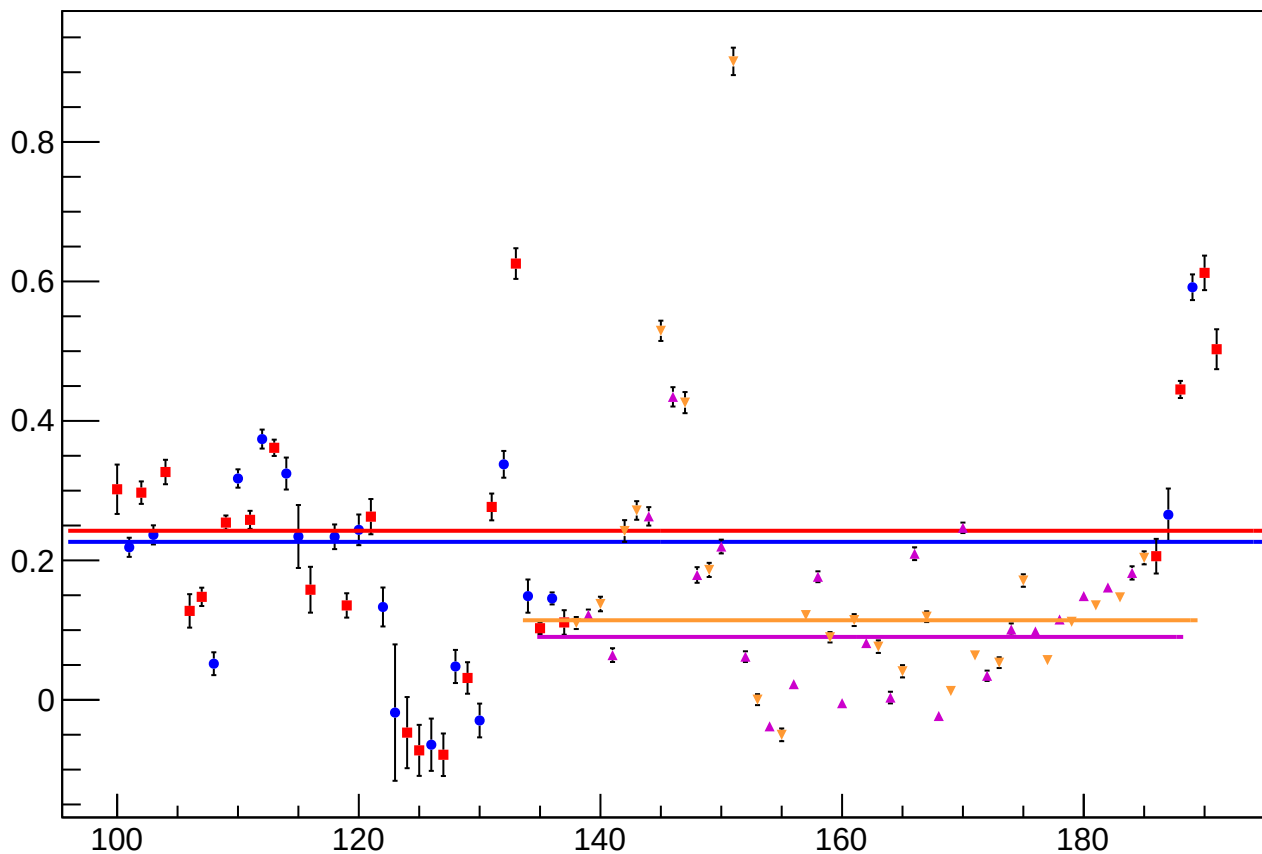
Right: -1.417 ± 0.047 χ^2/NDF : 3325.9/41

In: -1.226 ± 0.031 χ^2/NDF : 8186.0/41

Out: -1.321 ± 0.032 χ^2/NDF : 9794.1/47

All: -1.273 ± 0.022 χ^2/NDF : 17984.6/89

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.227 ± 0.004 $\chi^2/\text{NDF}: 1071.2/18$

Left Out: 0.114 ± 0.002 $\chi^2/\text{NDF}: 4382.5/24$

Right Out: 0.242 ± 0.003 $\chi^2/\text{NDF}: 1796.0/22$

Left In: 0.090 ± 0.002 $\chi^2/\text{NDF}: 3679.2/22$

Left: 0.101 ± 0.001 $\chi^2/\text{NDF}: 8175.2/47$

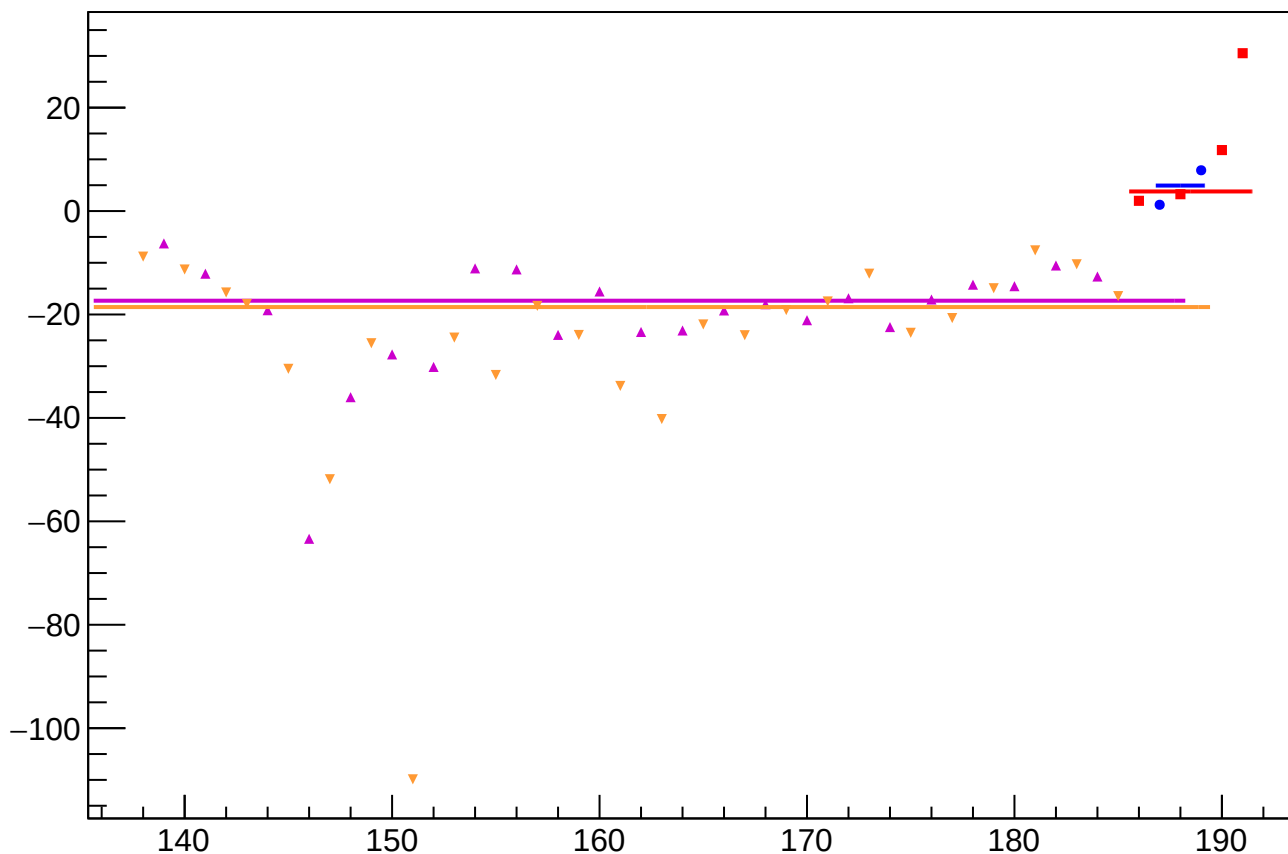
Right: 0.236 ± 0.003 $\chi^2/\text{NDF}: 2876.0/41$

In: 0.107 ± 0.001 $\chi^2/\text{NDF}: 5733.1/41$

Out: 0.137 ± 0.001 $\chi^2/\text{NDF}: 7285.2/47$

All: 0.122 ± 0.001 $\chi^2/\text{NDF}: 13231.7/89$

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.932 ± 0.189 $\chi^2/\text{NDF}: 307.1/1$

Left Out: -18.565 ± 0.040 $\chi^2/\text{NDF}: 86349.5/24$

Right Out: 3.792 ± 0.093 $\chi^2/\text{NDF}: 1500.4/3$

Left In: -17.335 ± 0.039 $\chi^2/\text{NDF}: 44078.7/22$

Left: -17.934 ± 0.028 $\chi^2/\text{NDF}: 130909.9/47$

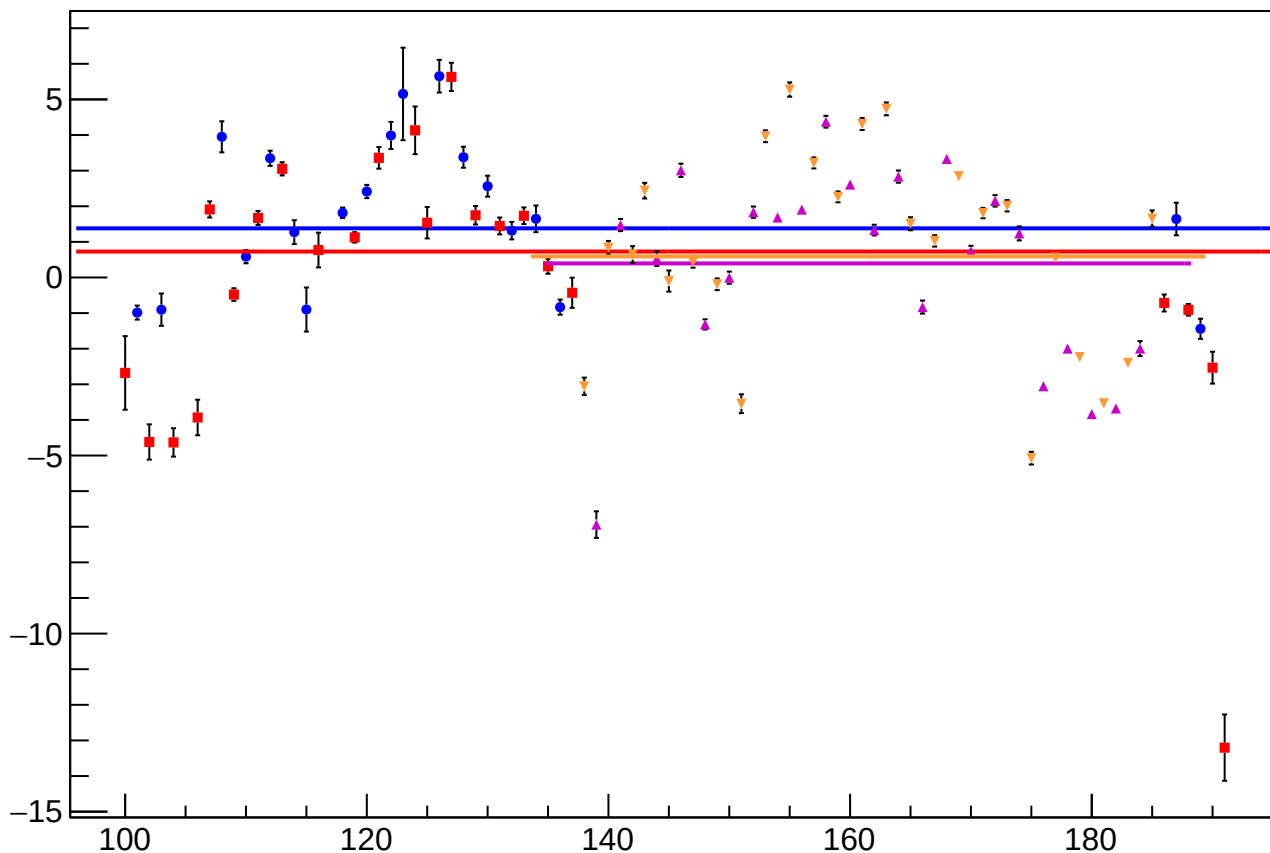
Right: 4.012 ± 0.083 $\chi^2/\text{NDF}: 1836.8/5$

In: -16.420 ± 0.038 $\chi^2/\text{NDF}: 57679.7/24$

Out: -15.024 ± 0.037 $\chi^2/\text{NDF}: 136981.1/28$

All: -15.694 ± 0.027 $\chi^2/\text{NDF}: 195350.3/53$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.380 ± 0.061 $\chi^2/\text{NDF}: 773.8/18$

Left Out: 0.590 ± 0.033 $\chi^2/\text{NDF}: 6780.3/24$

Right Out: 0.728 ± 0.054 $\chi^2/\text{NDF}: 1383.8/22$

Left In: 0.394 ± 0.032 $\chi^2/\text{NDF}: 6112.7/22$

Left: 0.487 ± 0.023 $\chi^2/\text{NDF}: 12911.2/47$

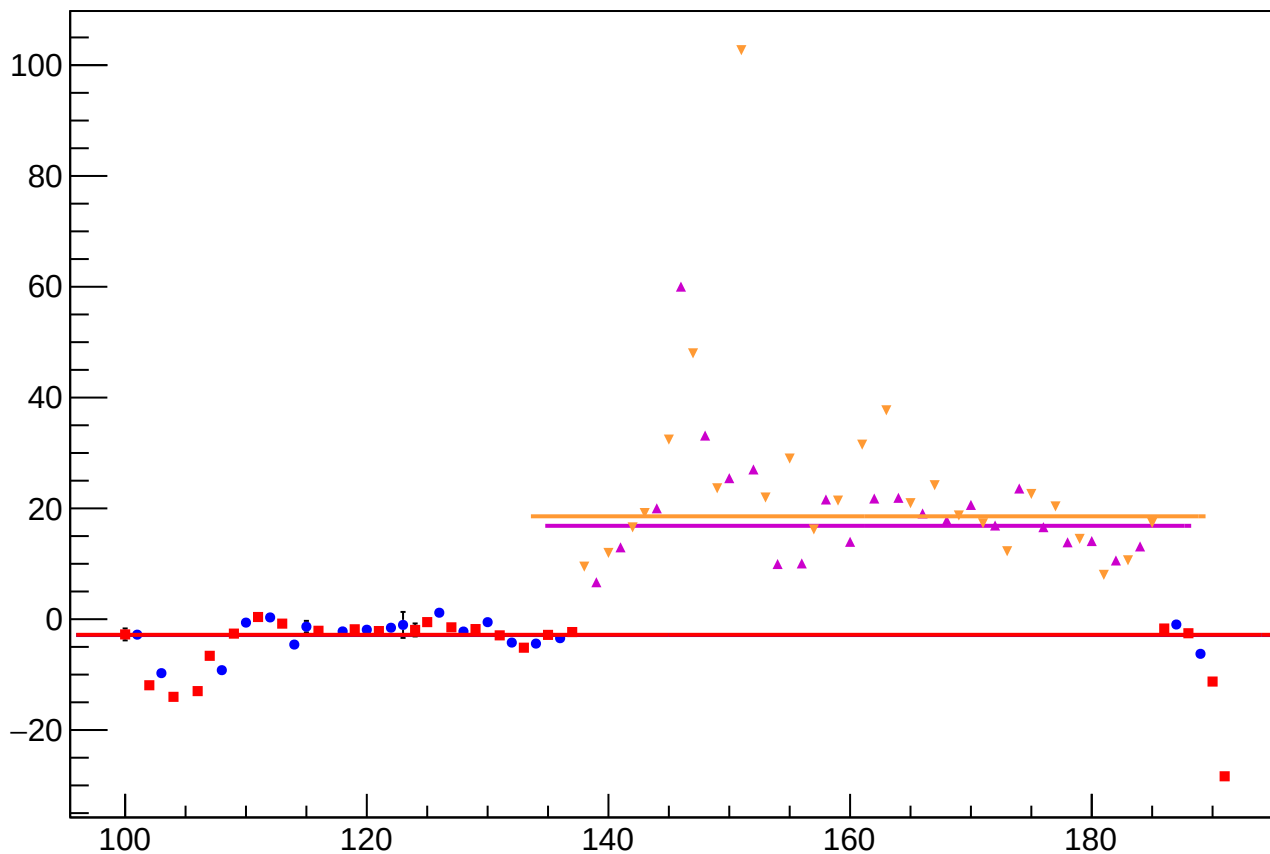
Right: 1.018 ± 0.040 $\chi^2/\text{NDF}: 2221.6/41$

In: 0.605 ± 0.028 $\chi^2/\text{NDF}: 7093.9/41$

Out: 0.628 ± 0.028 $\chi^2/\text{NDF}: 8168.8/47$

All: 0.616 ± 0.020 $\chi^2/\text{NDF}: 15263.0/89$

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.858 ± 0.093 χ^2/NDF : 776.3/18

Left Out: 18.569 ± 0.040 χ^2/NDF : 75983.2/24

Right Out: -2.819 ± 0.061 χ^2/NDF : 2426.7/22

Left In: 16.854 ± 0.039 χ^2/NDF : 40590.0/22

Left: 17.679 ± 0.028 χ^2/NDF : 117514.0/47

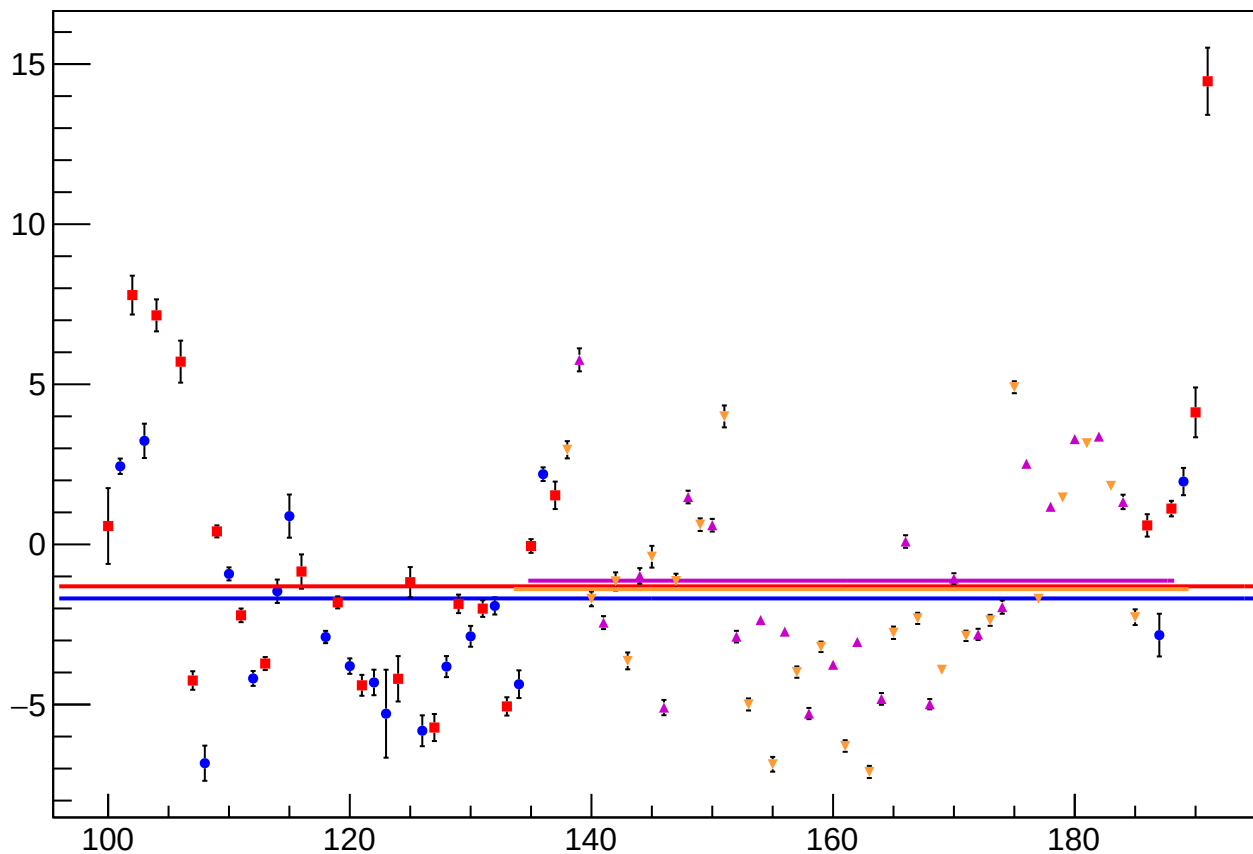
Right: -2.831 ± 0.051 χ^2/NDF : 3203.1/41

In: 13.913 ± 0.036 χ^2/NDF : 79935.9/41

Out: 12.046 ± 0.034 χ^2/NDF : 164318.8/47

All: 12.921 ± 0.024 χ^2/NDF : 245702.3/89

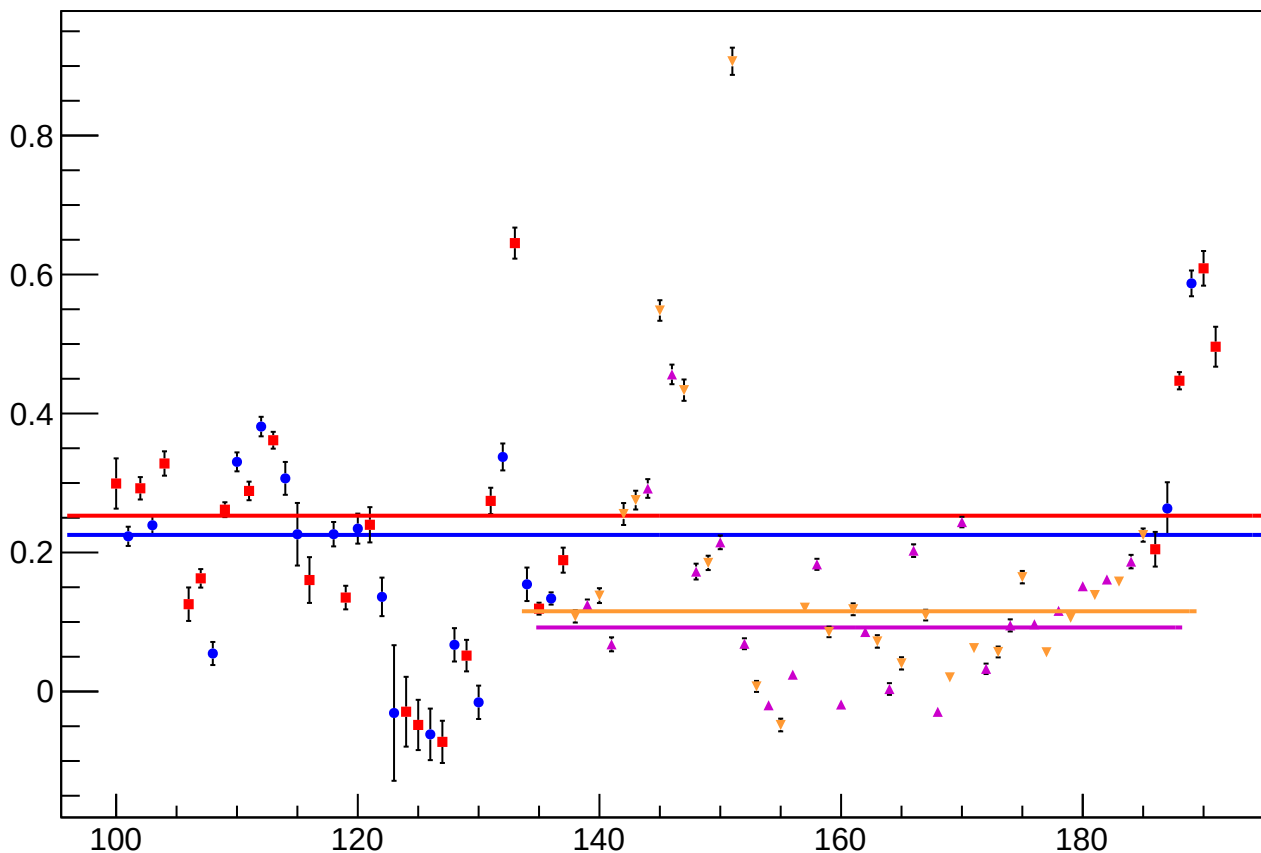
reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.687 ± 0.071 $\chi^2/\text{NDF}: 1350.1/18$
 Left Out: -1.397 ± 0.037 $\chi^2/\text{NDF}: 7631.3/24$
 Right Out: -1.309 ± 0.064 $\chi^2/\text{NDF}: 1863.7/22$
 Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6638.3/22$

Left: -1.258 ± 0.025 $\chi^2/\text{NDF}: 14296.5/47$
 Right: -1.479 ± 0.048 $\chi^2/\text{NDF}: 3229.5/41$
 In: -1.242 ± 0.031 $\chi^2/\text{NDF}: 8037.7/41$
 Out: -1.375 ± 0.032 $\chi^2/\text{NDF}: 9496.4/47$
 All: -1.307 ± 0.022 $\chi^2/\text{NDF}: 17542.9/89$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.225 ± 0.004 $\chi^2/\text{NDF}: 1055.0/18$

Left Out: 0.115 ± 0.002 $\chi^2/\text{NDF}: 4423.4/24$

Right Out: 0.253 ± 0.004 $\chi^2/\text{NDF}: 1627.8/22$

Left In: 0.092 ± 0.002 $\chi^2/\text{NDF}: 3632.6/22$

Left: 0.103 ± 0.001 $\chi^2/\text{NDF}: 8162.4/47$

Right: 0.241 ± 0.003 $\chi^2/\text{NDF}: 2708.6/41$

In: 0.109 ± 0.001 $\chi^2/\text{NDF}: 5602.3/41$

Out: 0.140 ± 0.001 $\chi^2/\text{NDF}: 7279.3/47$

All: 0.124 ± 0.001 $\chi^2/\text{NDF}: 13107.4/89$