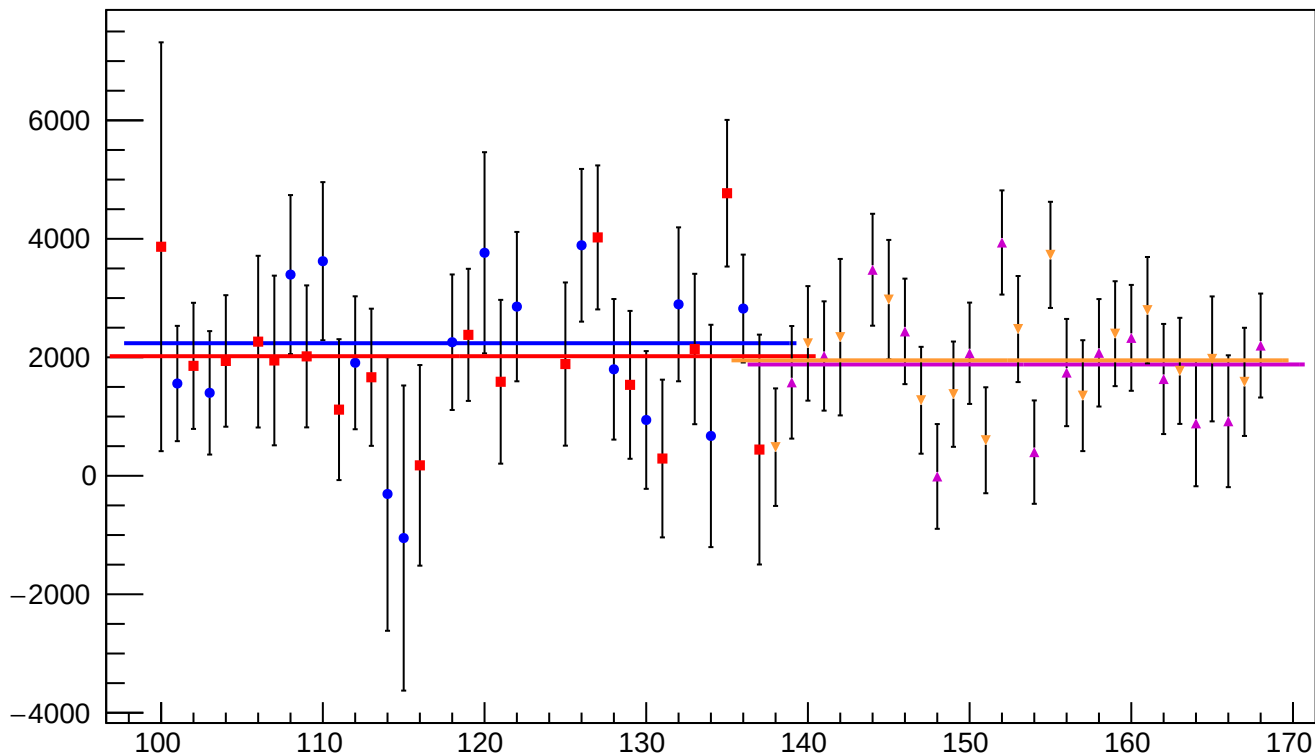


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2237.929+/-314.642

Left Out: 1948.782+/-243.343

Right Out: 2018.625+/-308.362

Left In: 1879.367+/-237.322

χ^2/NDF : 11.3/15

χ^2/NDF : 12.7/14

χ^2/NDF : 12.6/17

χ^2/NDF : 18.5/14

Left: 1913.205+/-169.901

Right: 2126.067+/-220.232

In: 2009.387+/-189.470

Out: 1975.585+/-191.026

All: 1992.624+/-134.522

χ^2/NDF : 31.2/29

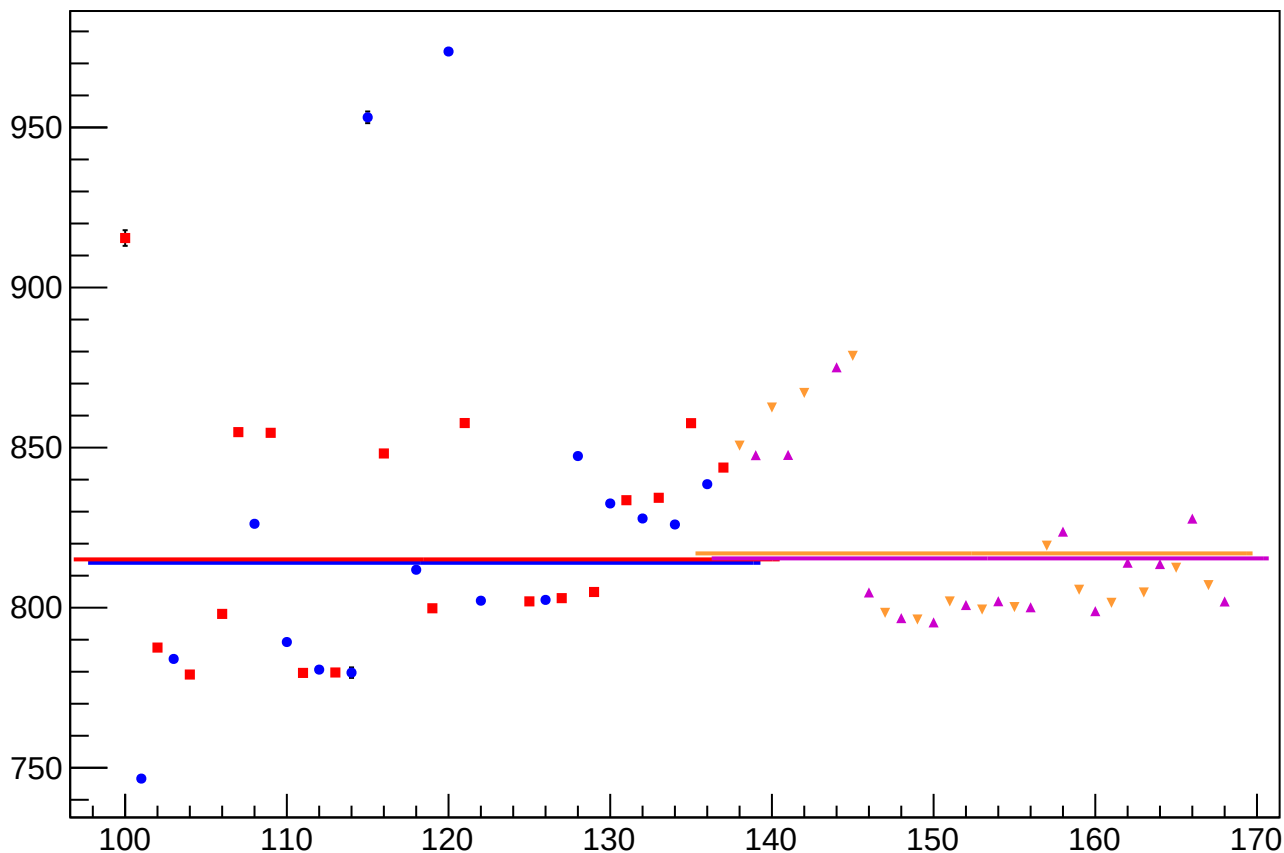
χ^2/NDF : 24.1/33

χ^2/NDF : 30.6/30

χ^2/NDF : 25.3/32

χ^2/NDF : 56.0/63

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 814.021 $\pm$ 0.222 χ^2 /NDF: 42041.6/15

Left Out: 816.955 $\pm$ 0.172 χ^2 /NDF:22665.1/14

Right Out: 815.084 $\pm$ 0.218 χ^2 /NDF: 19959.3/17

Left In: 815.394 $\pm$ 0.168 χ^2 /NDF:18178.3/14

Left: 816.155 $\pm$ 0.120 χ^2 /NDF: 40885.6/29

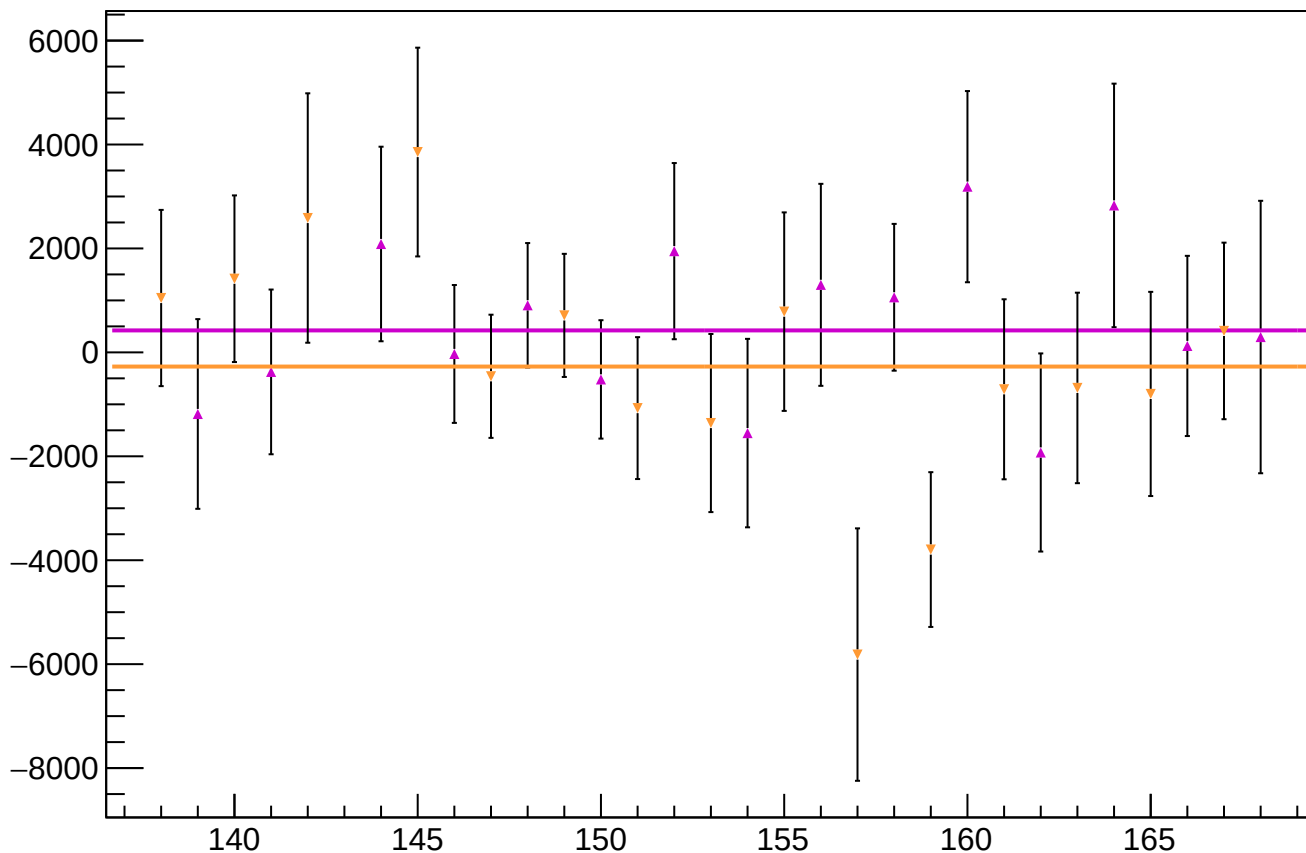
Right: 814.563 $\pm$ 0.156 χ^2 /NDF: 62012.6/33

In: 814.896 $\pm$ 0.134 χ^2 /NDF:60244.2/30

Out: 816.237 $\pm$ 0.135 χ^2 /NDF:42669.8/32

All: 815.561 $\pm$ 0.095 χ^2 /NDF: 102963.7/63

asym_us_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -273.133+/-422.930 χ^2/NDF :20.3/14

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 422.636+/-420.014 χ^2/NDF :10.1/14

Left: 77.158+/-298.020 χ^2/NDF : 31.7/29

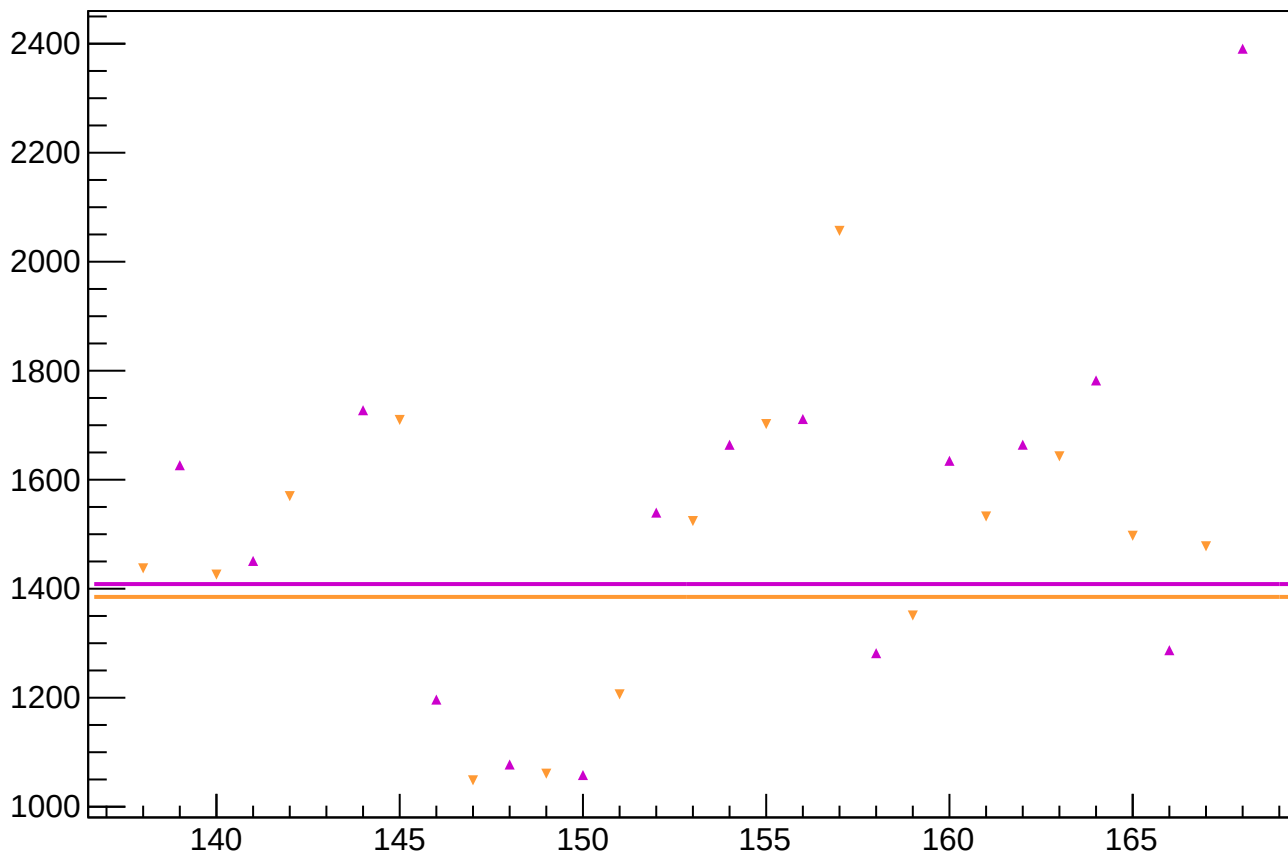
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 422.636+/-420.014 χ^2/NDF :10.1/14

Out: -273.133+/-422.930 χ^2/NDF :20.3/14

All: 77.158+/-298.020 χ^2/NDF : 31.7/29

asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1384.971+/-0.299 χ^2/NDF : 701716.0/14

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1408.535+/-0.297 χ^2/NDF : 1005200.6/14

Left: 1396.835+/-0.211 χ^2/NDF : 1710042.2/29

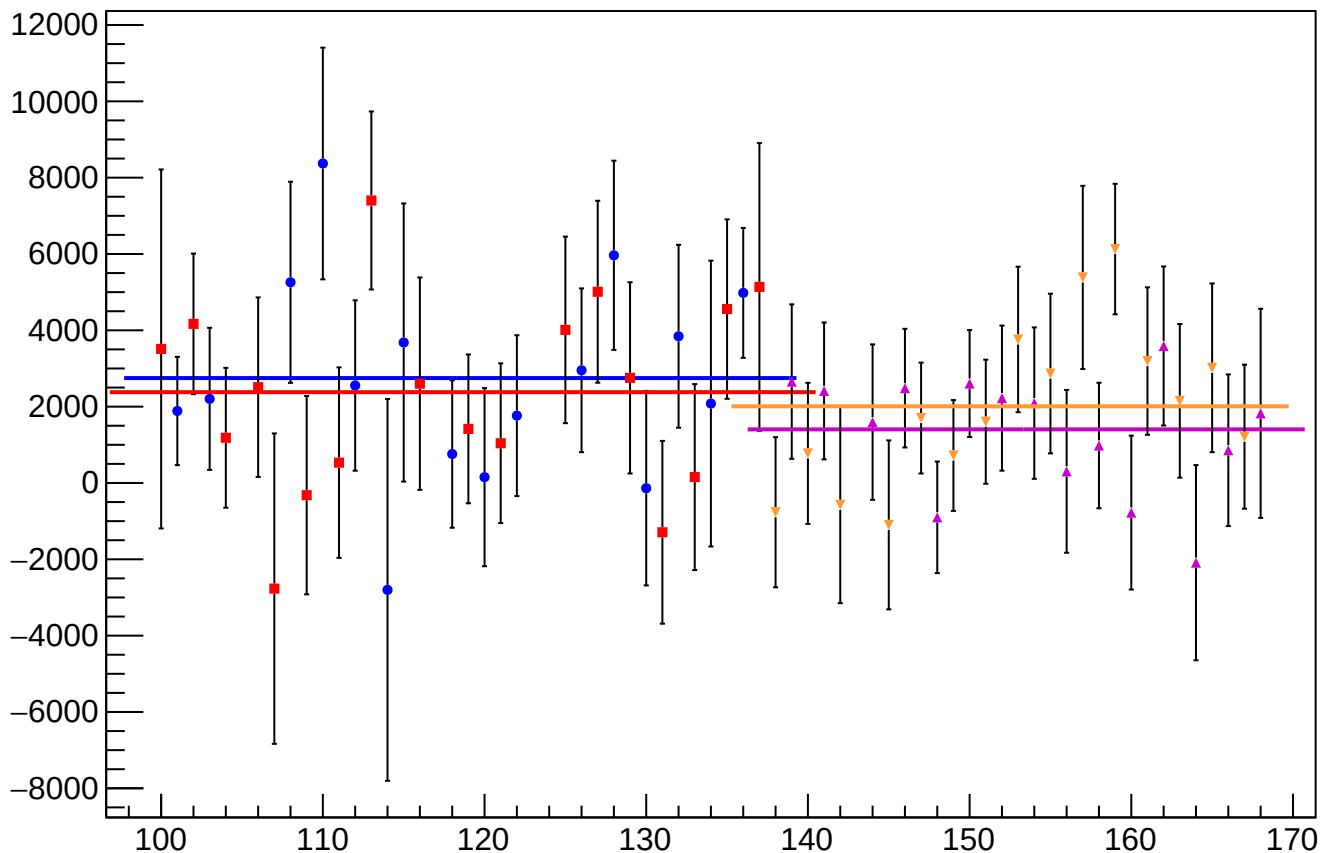
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1408.535+/-0.297 χ^2/NDF : 1005200.6/14

Out: 1384.971+/-0.299 χ^2/NDF : 701716.0/14

All: 1396.835+/-0.211 χ^2/NDF : 1710042.2/29

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2748.777 $\pm$ 562.943 χ^2 /NDF: 13.5/15

Left Out: 2008.416 $\pm$ 484.937 χ^2 /NDF:15.9/14

Right Out: 2379.450 $\pm$ 568.967 χ^2 /NDF: 16.2/17

Left In: 1404.464 $\pm$ 480.863 χ^2 /NDF:9.3/14

Left: 1703.892 $\pm$ 341.453 χ^2 /NDF: 25.9/29

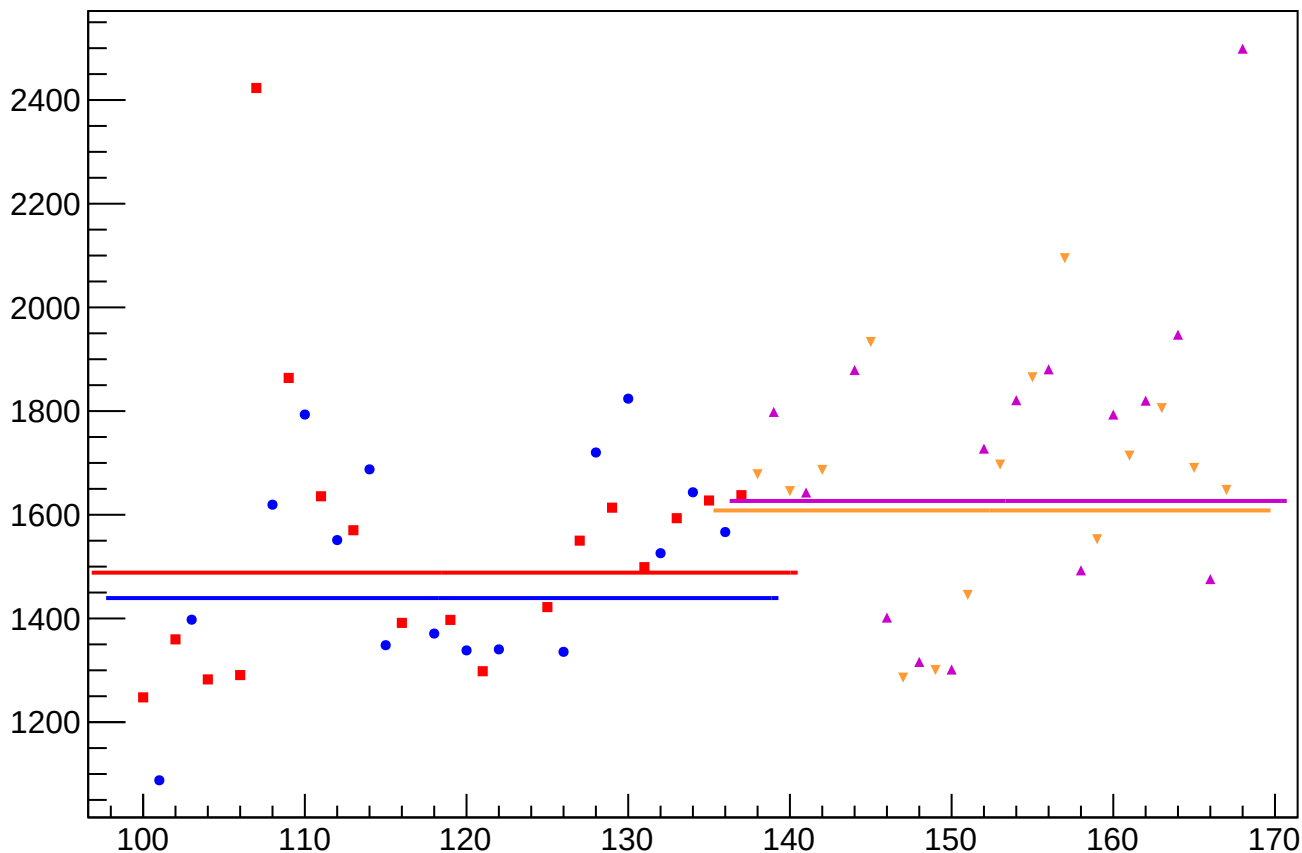
Right: 2566.079 $\pm$ 400.174 χ^2 /NDF: 30.0/33

In: 1971.559 $\pm$ 365.630 χ^2 /NDF:26.1/30

Out: 2164.536 $\pm$ 369.071 χ^2 /NDF:32.3/32

All: 2067.144 $\pm$ 259.748 χ^2 /NDF: 58.6/63

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1439.332 $\pm$ 0.398 χ^2 /NDF: 277860.8/15

Left Out: 1608.360 $\pm$ 0.343 χ^2 /NDF: 404272.4/14

Right Out: 1488.384 $\pm$ 0.402 χ^2 /NDF: 256324.7/17

Left In: 1626.642 $\pm$ 0.340 χ^2 /NDF: 628295.9/14

Left: 1617.578 $\pm$ 0.241 χ^2 /NDF: 1034001.5/29

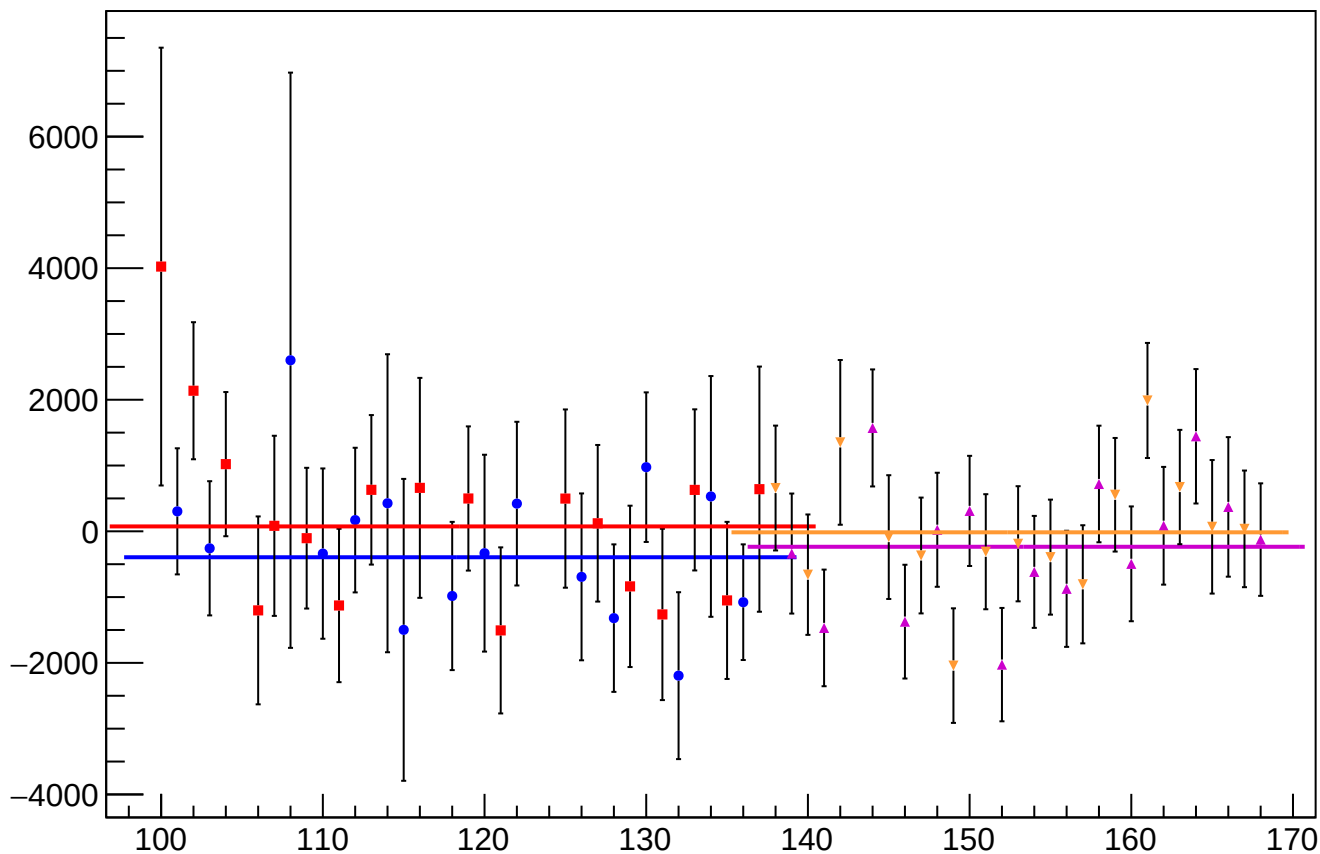
Right: 1463.597 $\pm$ 0.283 χ^2 /NDF: 541697.1/33

In: 1547.626 $\pm$ 0.259 χ^2 /NDF: 1034172.2/30

Out: 1557.877 $\pm$ 0.261 χ^2 /NDF: 712107.7/32

All: 1552.703 $\pm$ 0.184 χ^2 /NDF: 1747058.8/63

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -394.364 ± 313.174 χ^2/NDF : 7.4/15

Left Out: -15.323 ± 235.321 χ^2/NDF : 15.2/14

Right Out: 74.289 ± 298.398 χ^2/NDF : 12.9/17

Left In: -235.090 ± 230.068 χ^2/NDF : 17.8/14

Left: -127.687 ± 164.509 χ^2/NDF : 33.4/29

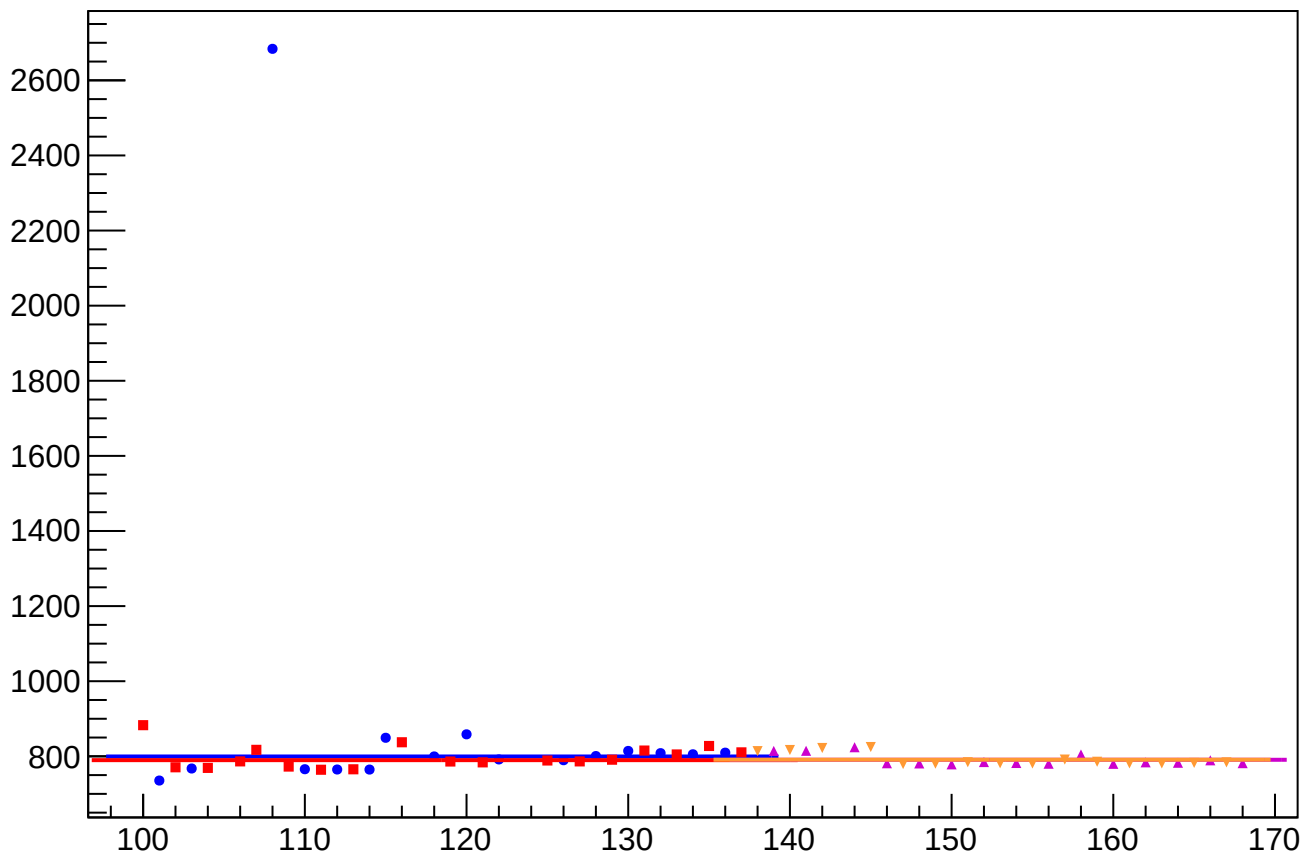
Right: -148.721 ± 216.034 χ^2/NDF : 21.5/33

In: -290.918 ± 185.413 χ^2/NDF : 25.4/30

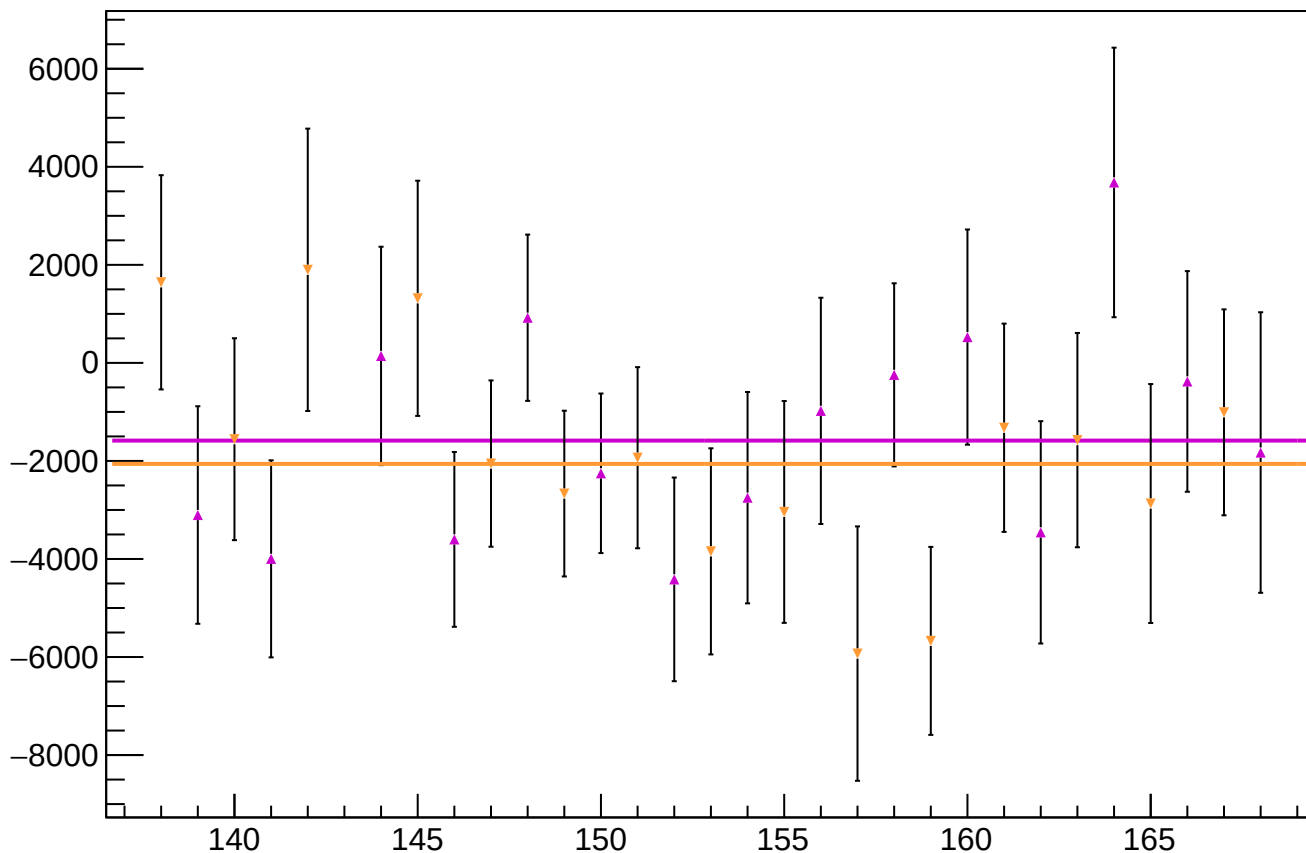
Out: 19.038 ± 184.777 χ^2/NDF : 28.2/32

All: -135.407 ± 130.881 χ^2/NDF : 55.0/63

dit_asym_us_dd_rms vs Slug, Sign Corrected



asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -2060.048+/-542.484 χ^2/NDF :14.1/14

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1585.150+/-537.049 χ^2/NDF :14.4/14

Left: -1820.208+/-381.658 χ^2/NDF : 29.0/29

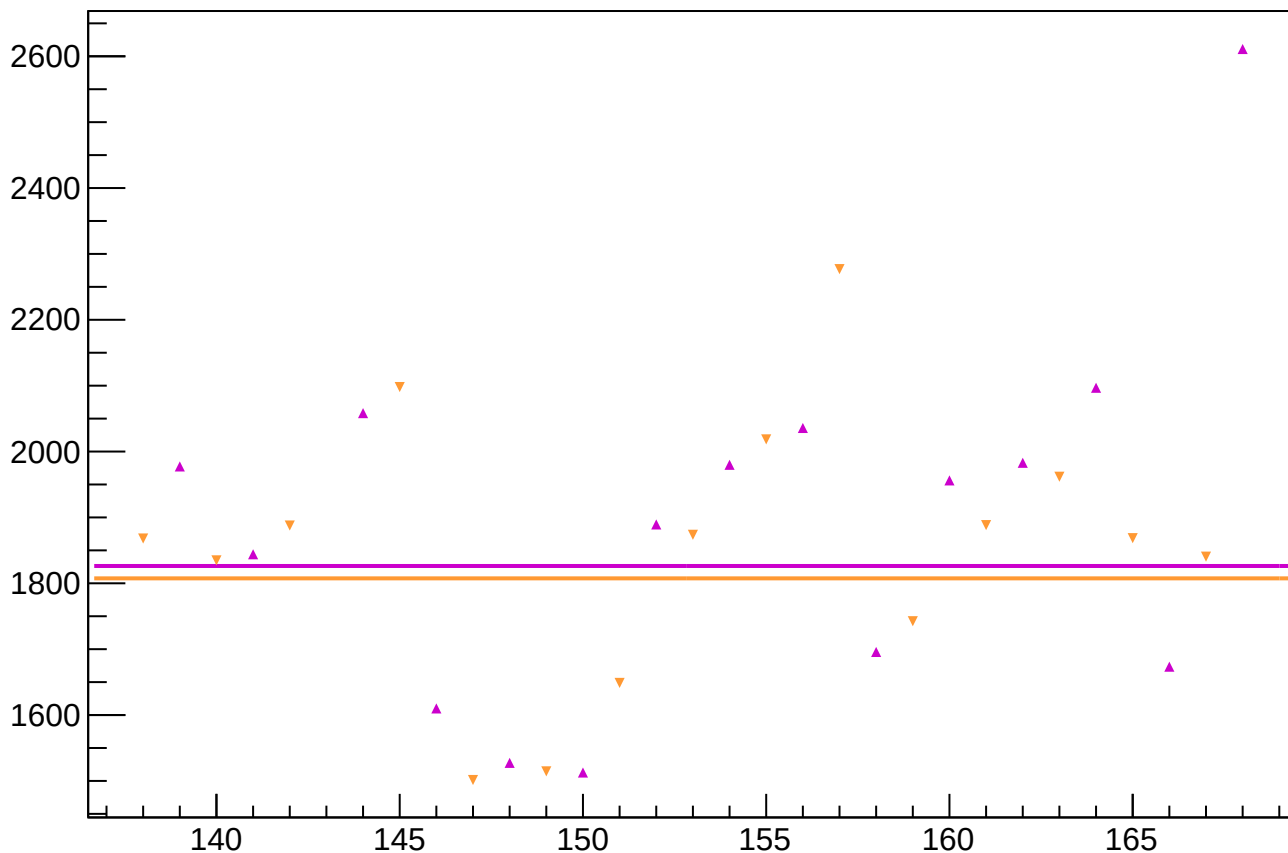
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1585.150+/-537.049 χ^2/NDF :14.4/14

Out: -2060.048+/-542.484 χ^2/NDF :14.1/14

All: -1820.208+/-381.658 χ^2/NDF : 29.0/29

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1807.498+/-0.384 χ^2/NDF :274432.4/14

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1826.289+/-0.380 χ^2/NDF :430699.3/14

Left: 1816.988+/-0.270 χ^2/NDF : 706343.6/29

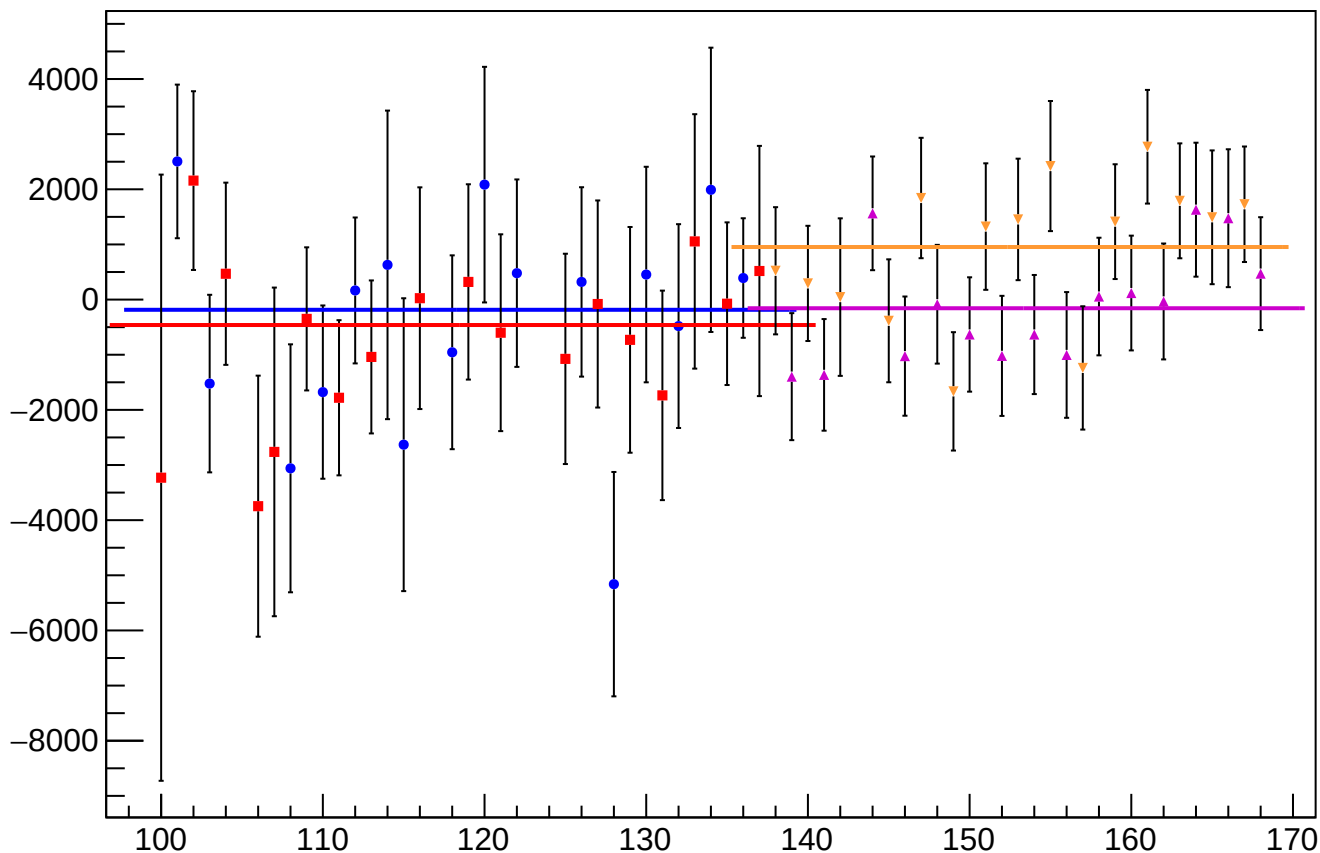
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1826.289+/-0.380 χ^2/NDF :430699.3/14

Out: 1807.498+/-0.384 χ^2/NDF :274432.4/14

All: 1816.988+/-0.270 χ^2/NDF : 706343.6/29

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -185.054 ± 431.495 χ^2/NDF : 16.6/15

Left Out: 953.235 ± 286.885 χ^2/NDF : 19.4/14

Right Out: -461.253 ± 426.921 χ^2/NDF : 8.3/17

Left In: -156.992 ± 279.831 χ^2/NDF : 12.0/14

Left: 384.305 ± 200.318 χ^2/NDF : 39.1/29

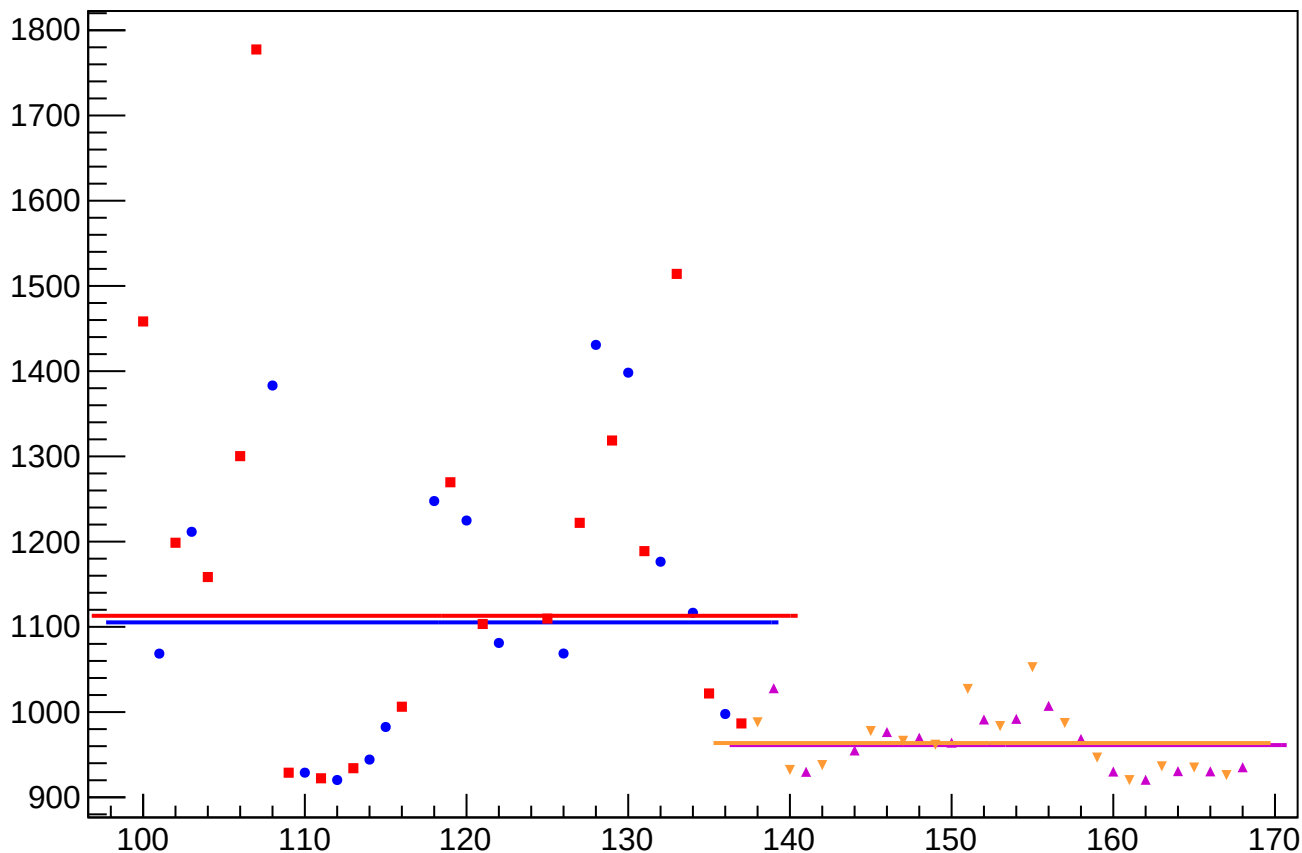
Right: -324.625 ± 303.483 χ^2/NDF : 25.2/33

In: -165.300 ± 234.781 χ^2/NDF : 28.6/30

Out: 513.204 ± 238.116 χ^2/NDF : 35.3/32

All: 169.168 ± 167.182 χ^2/NDF : 68.0/63

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1105.236 $\pm$ 0.305 χ^2 /NDF: 255366.2/15

Left Out: 963.670 $\pm$ 0.203 χ^2 /NDF: 31938.1/14

Right Out: 1112.974 $\pm$ 0.302 χ^2 /NDF: 362995.4/17

Left In: 961.267 $\pm$ 0.198 χ^2 /NDF: 24302.5/14

Left: 962.439 $\pm$ 0.142 χ^2 /NDF: 56312.5/29

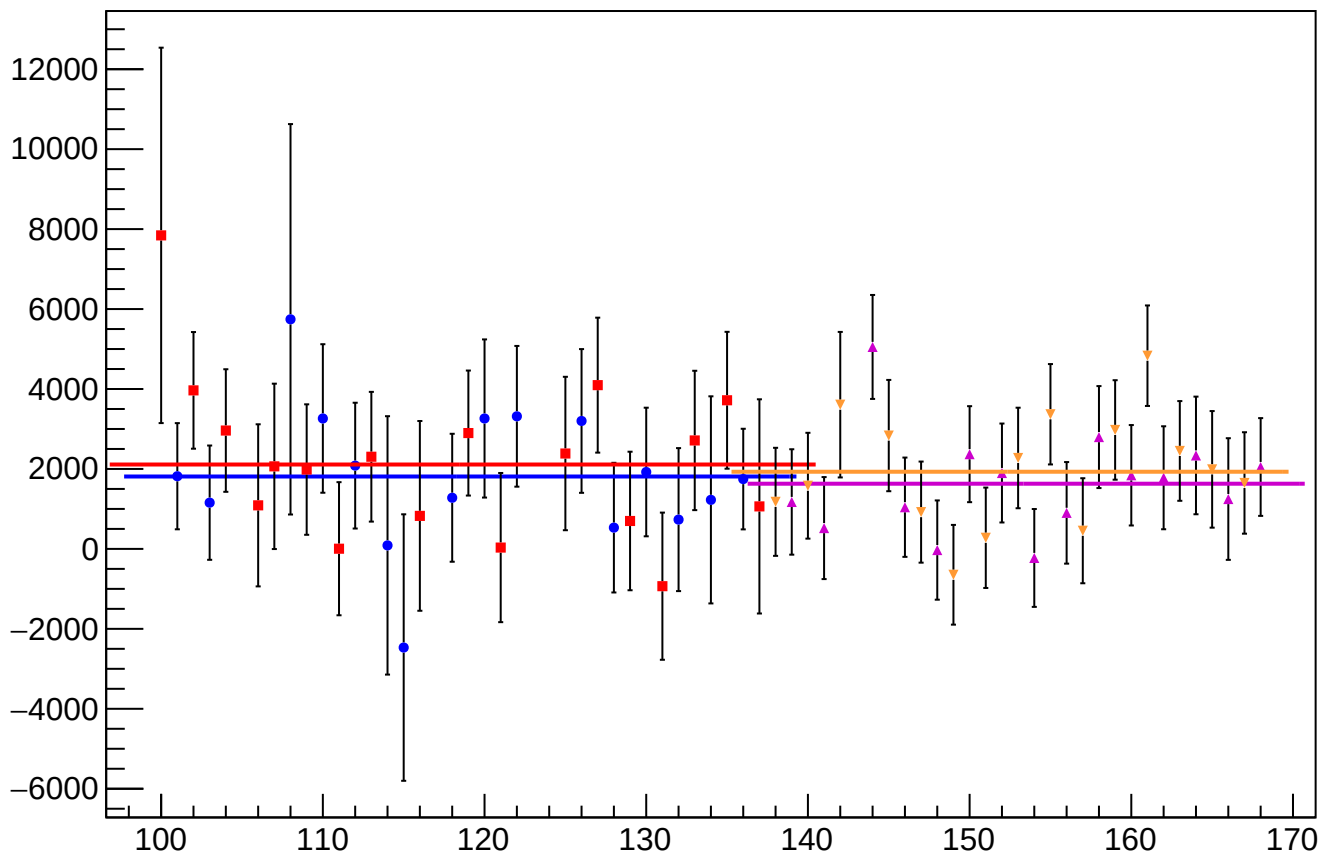
Right: 1109.146 $\pm$ 0.215 χ^2 /NDF: 618686.6/33

In: 1003.890 $\pm$ 0.166 χ^2 /NDF: 436398.4/30

Out: 1010.117 $\pm$ 0.168 χ^2 /NDF: 563450.0/32

All: 1006.959 $\pm$ 0.118 χ^2 /NDF: 1000541.8/63

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1811.054 $\pm$ 442.142 χ^2 /NDF: 6.5/15

Left Out: 1930.240 $\pm$ 339.086 χ^2 /NDF:17.2/14

Right Out: 2111.004 $\pm$ 427.676 χ^2 /NDF: 13.0/17

Left In: 1630.536 $\pm$ 331.042 χ^2 /NDF:14.2/14

Left: 1776.791 $\pm$ 236.875 χ^2 /NDF: 31.8/29

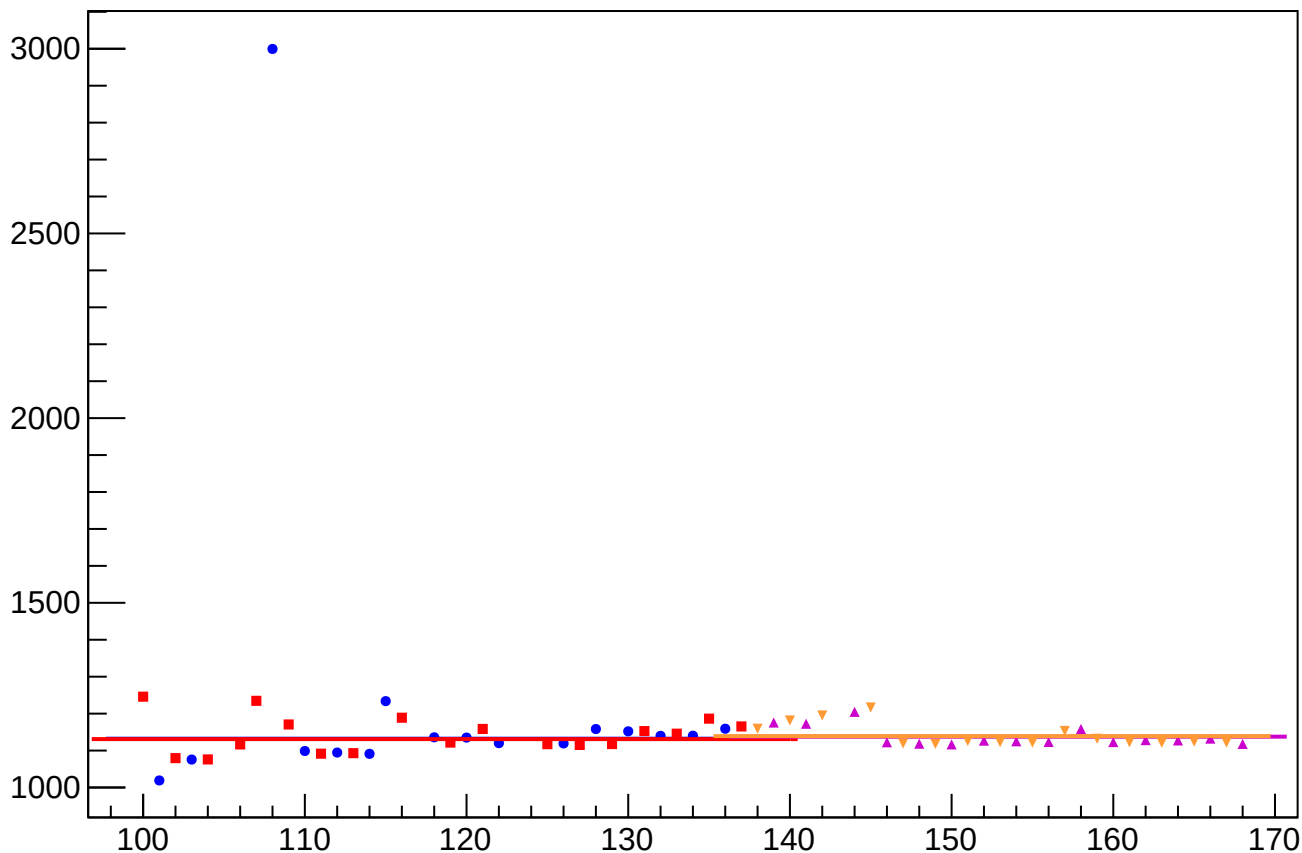
Right: 1966.016 $\pm$ 307.400 χ^2 /NDF: 19.7/33

In: 1695.381 $\pm$ 264.996 χ^2 /NDF:20.7/30

Out: 2000.012 $\pm$ 265.705 χ^2 /NDF:30.3/32

All: 1847.289 $\pm$ 187.631 χ^2 /NDF: 51.7/63

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1132.074+/-0.313 χ^2/NDF : 316026.3/15

Left Out: 1139.083+/-0.240 χ^2/NDF : 14247.2/14

Right Out: 1131.016+/-0.302 χ^2/NDF : 19719.1/17

Left In: 1137.642+/-0.234 χ^2/NDF : 12064.6/14

Left: 1138.345+/-0.167 χ^2/NDF : 26330.3/29

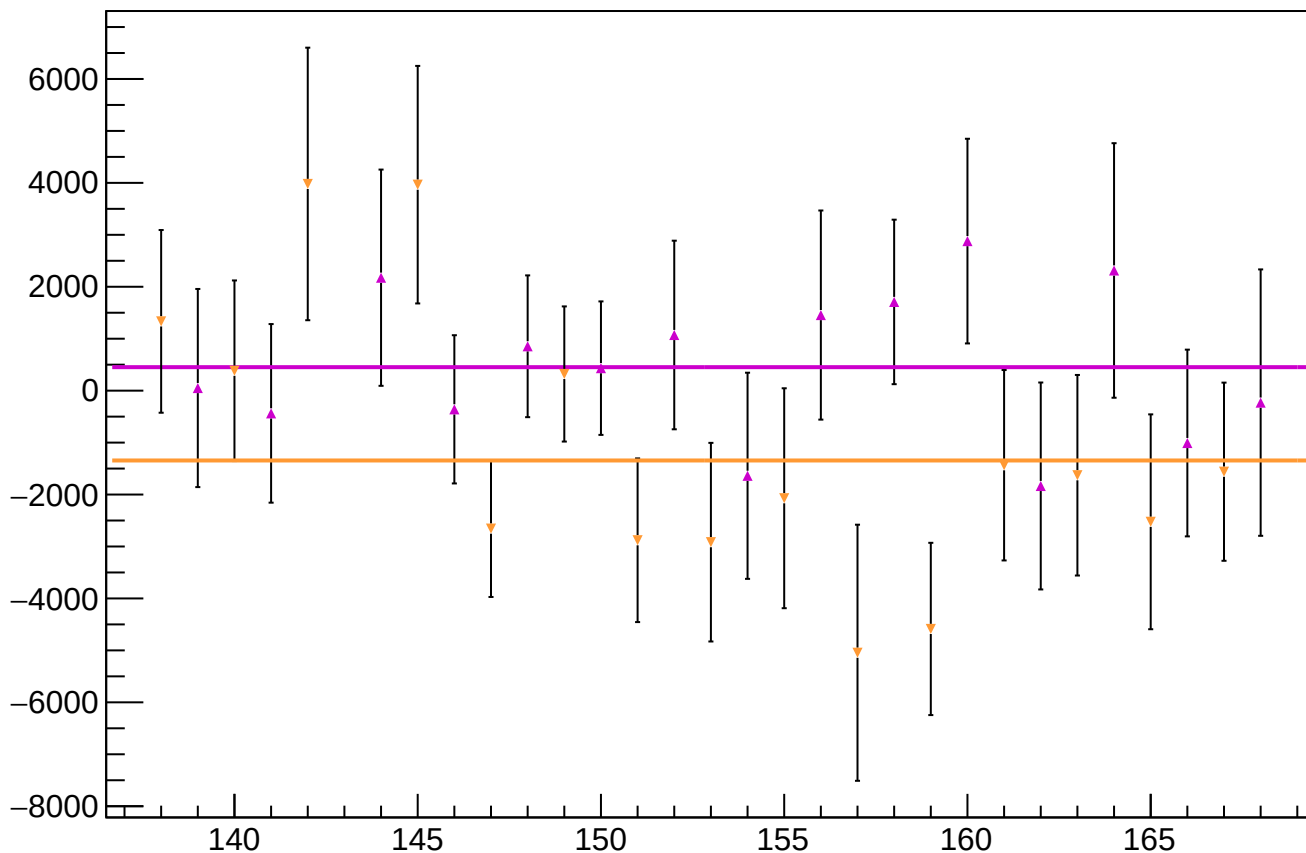
Right: 1131.528+/-0.217 χ^2/NDF : 335751.3/33

In: 1135.642+/-0.187 χ^2/NDF : 328294.1/30

Out: 1135.970+/-0.188 χ^2/NDF : 34403.3/32

All: 1135.805+/-0.133 χ^2/NDF : 362698.9/63

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1344.129+/-459.951 χ^2/NDF :23.6/14

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 452.248+/-455.533 χ^2/NDF :7.7/14

Left: -437.272+/-323.661 χ^2/NDF : 39.0/29

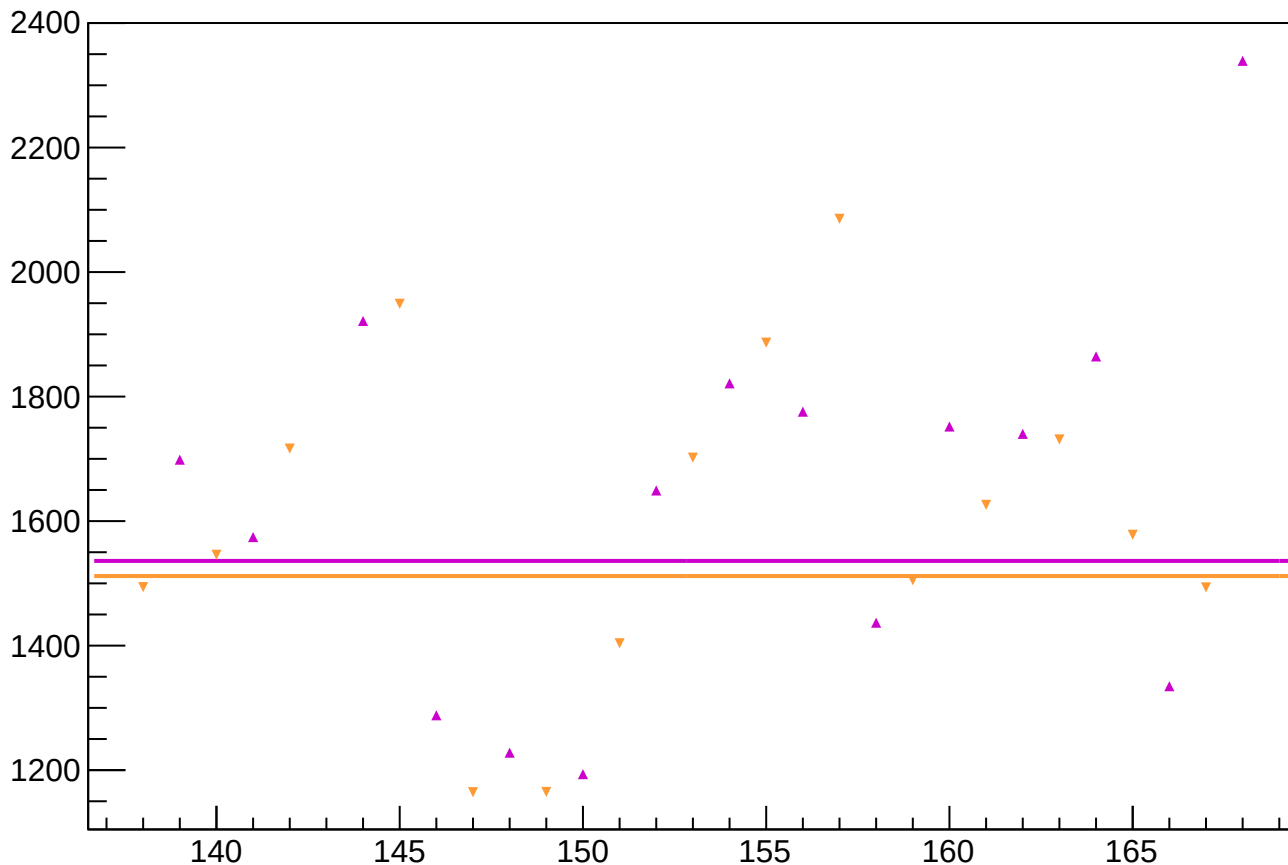
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 452.248+/-455.533 χ^2/NDF :7.7/14

Out: -1344.129+/-459.951 χ^2/NDF :23.6/14

All: -437.272+/-323.661 χ^2/NDF : 39.0/29

asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1511.749+/-0.325 χ^2/NDF :603859.4/14

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1536.074+/-0.322 χ^2/NDF :776057.0/14

Left: 1524.029+/-0.229 χ^2/NDF : 1382740.4/29

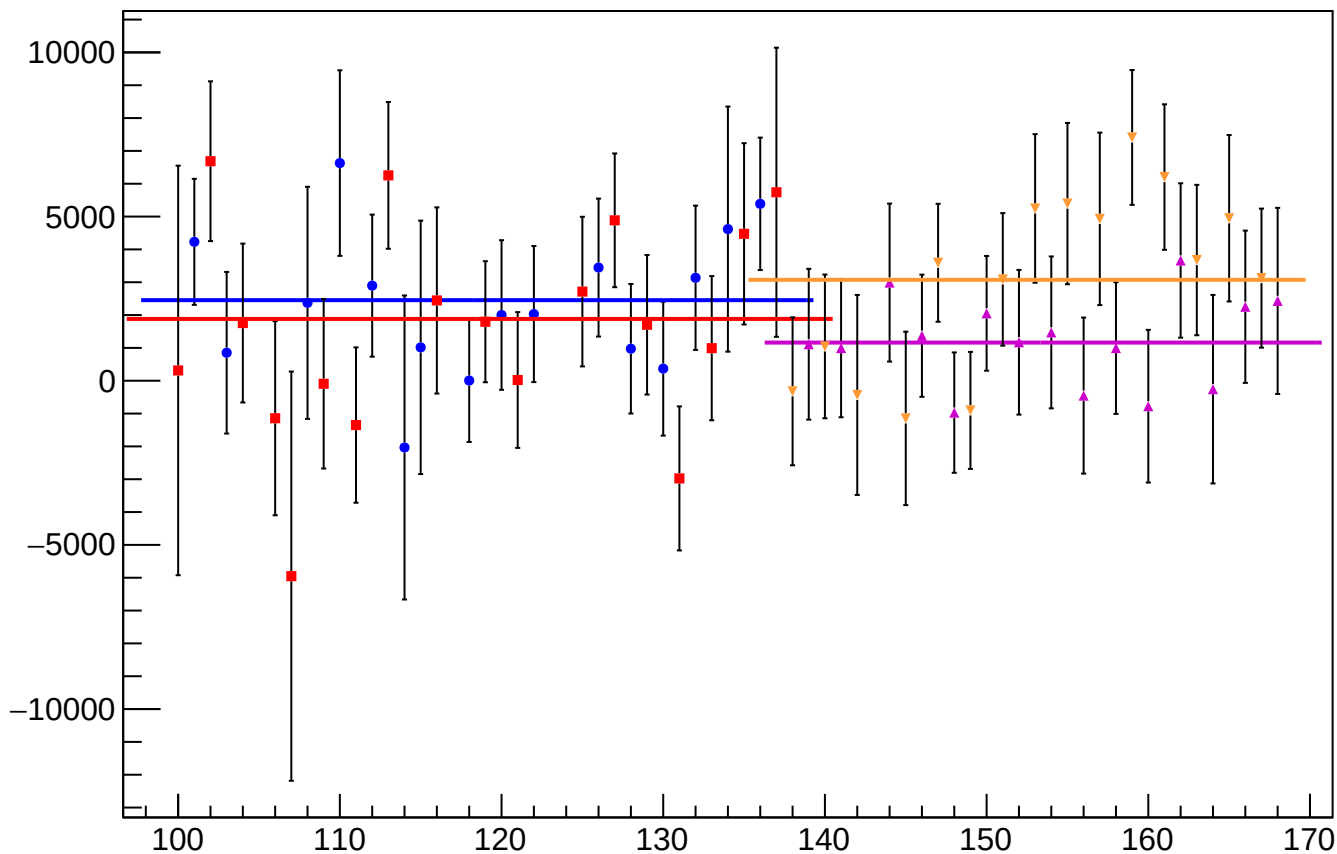
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1536.074+/-0.322 χ^2/NDF :776057.0/14

Out: 1511.749+/-0.325 χ^2/NDF :603859.4/14

All: 1524.029+/-0.229 χ^2/NDF : 1382740.4/29

asym_usl_mean vs Slug, Sign Corrected



Right In: 2453.670 $\pm$ 584.307 χ^2 /NDF: 10.8/15

Left Out: 3073.333 $\pm$ 573.230 χ^2 /NDF:21.5/14

Right Out: 1882.755 $\pm$ 583.188 χ^2 /NDF: 22.8/17

Left In: 1162.300 $\pm$ 566.341 χ^2 /NDF:5.2/14

Left: 2106.263 $\pm$ 402.877 χ^2 /NDF: 32.3/29

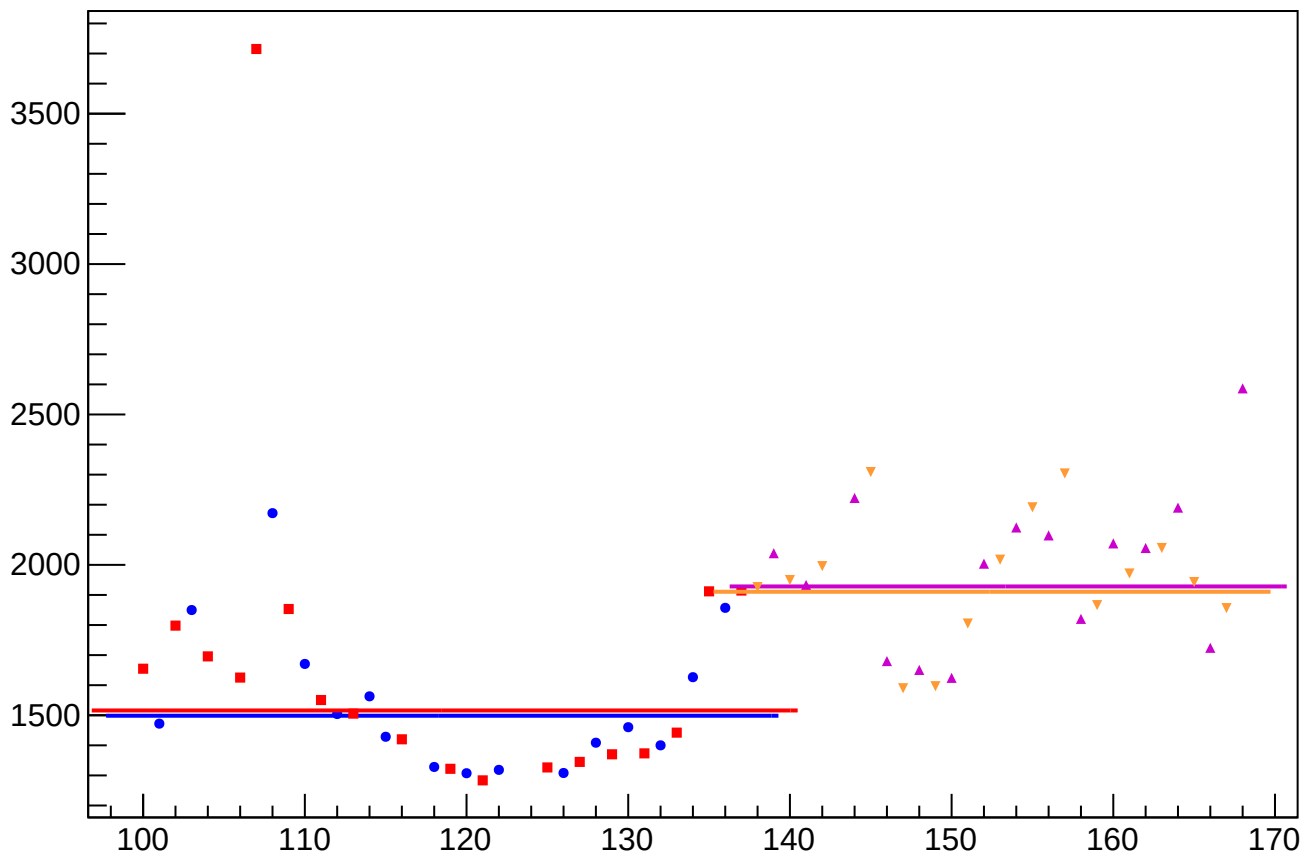
Right: 2167.665 $\pm$ 412.771 χ^2 /NDF: 34.0/33

In: 1787.827 $\pm$ 406.667 χ^2 /NDF:18.5/30

Out: 2488.295 $\pm$ 408.810 χ^2 /NDF:46.3/32

All: 2136.220 $\pm$ 288.312 χ^2 /NDF: 66.3/63

asym_usl_rms vs Slug, Sign Corrected



Right In: 1498.485+/-0.413 χ^2/NDF : 258807.5/15

Left Out: 1910.622+/-0.405 χ^2/NDF : 266588.2/14

Right Out: 1515.949+/-0.412 χ^2/NDF : 480541.4/17

Left In: 1928.259+/-0.400 χ^2/NDF : 362689.1/14

Left: 1919.547+/-0.285 χ^2/NDF : 630235.4/29

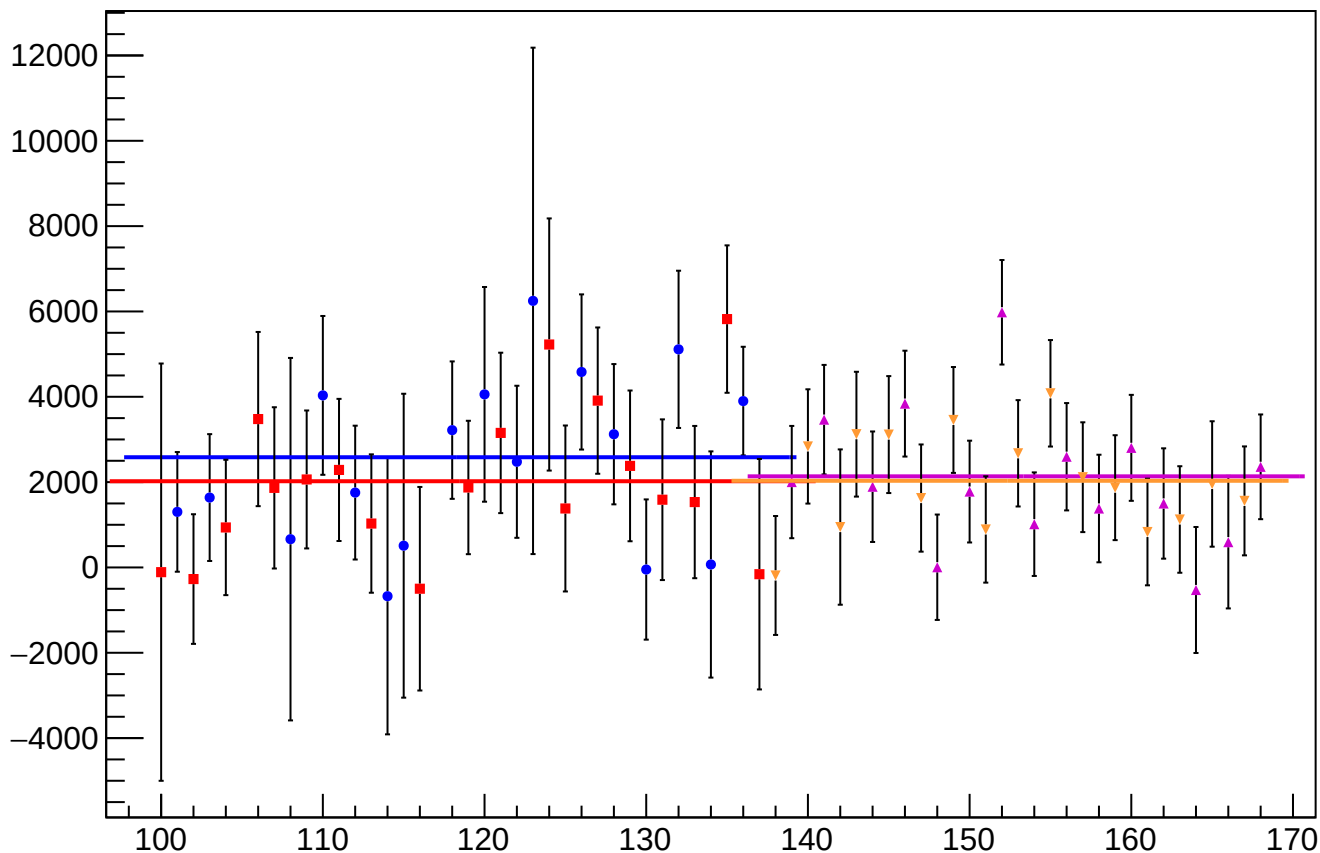
Right: 1507.233+/-0.292 χ^2/NDF : 740243.9/33

In: 1720.081+/-0.288 χ^2/NDF : 1179389.8/30

Out: 1716.683+/-0.289 χ^2/NDF : 1213008.5/32

All: 1718.391+/-0.204 χ^2/NDF : 2392467.7/63

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2582.988 $\pm$ 453.193 χ^2/NDF : 12.3/16

Left Out: 2031.316 $\pm$ 329.512 χ^2/NDF : 11.3/15

Right Out: 2020.735 $\pm$ 426.756 χ^2/NDF : 13.5/18

Left In: 2135.431 $\pm$ 330.065 χ^2/NDF : 22.1/14

Left: 2083.286 $\pm$ 233.196 χ^2/NDF : 33.4/30

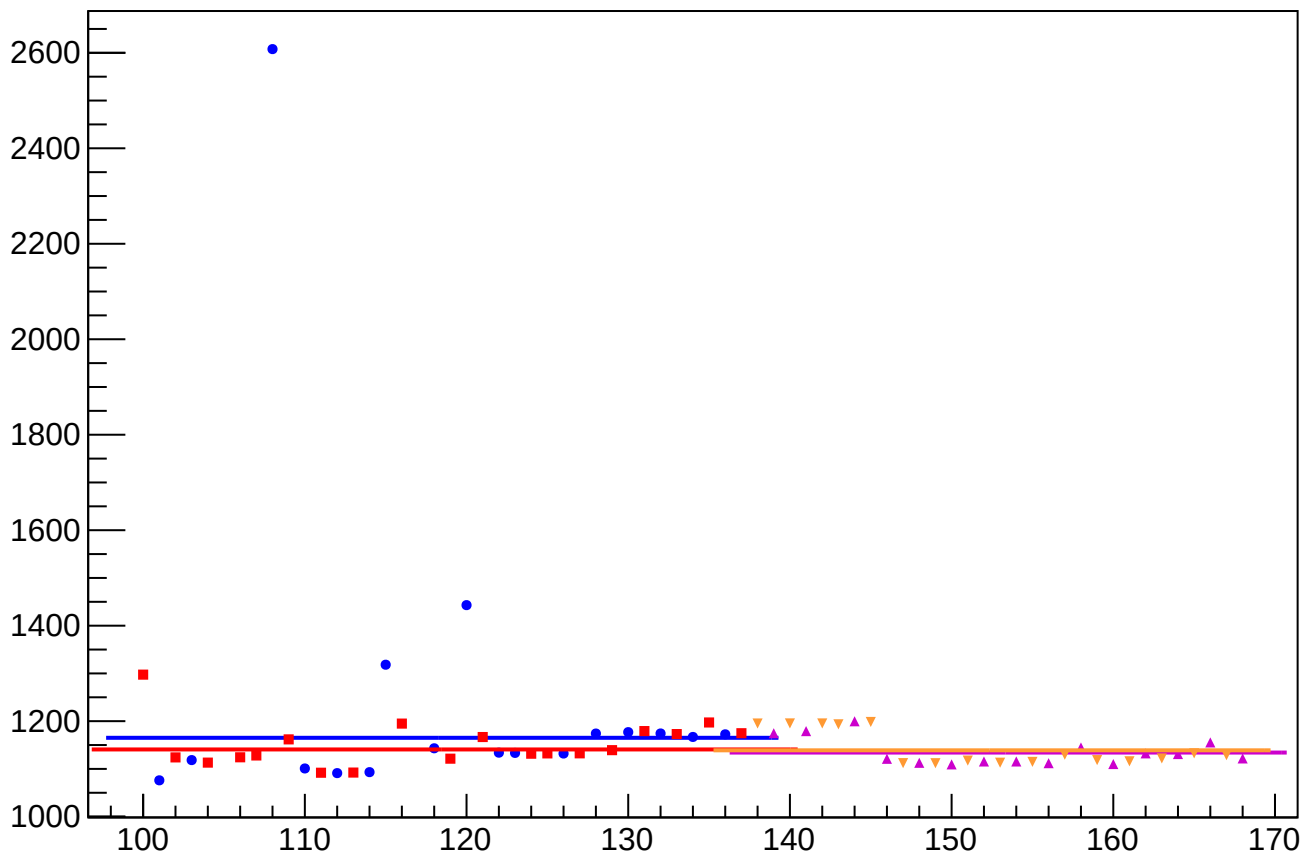
Right: 2284.984 $\pm$ 310.688 χ^2/NDF : 26.6/35

In: 2290.550 $\pm$ 266.804 χ^2/NDF : 35.0/31

Out: 2027.364 $\pm$ 260.813 χ^2/NDF : 24.8/34

All: 2155.969 $\pm$ 186.505 χ^2/NDF : 60.3/66

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1165.146 $\pm$ 0.320 χ^2 /NDF: 278570.1/16

Left Out: 1138.911 $\pm$ 0.233 χ^2 /NDF: 21172.4/15

Right Out: 1140.752 $\pm$ 0.302 χ^2 /NDF: 12717.7/18

Left In: 1134.234 $\pm$ 0.233 χ^2 /NDF: 14189.0/14

Left: 1136.577 $\pm$ 0.165 χ^2 /NDF: 35562.5/30

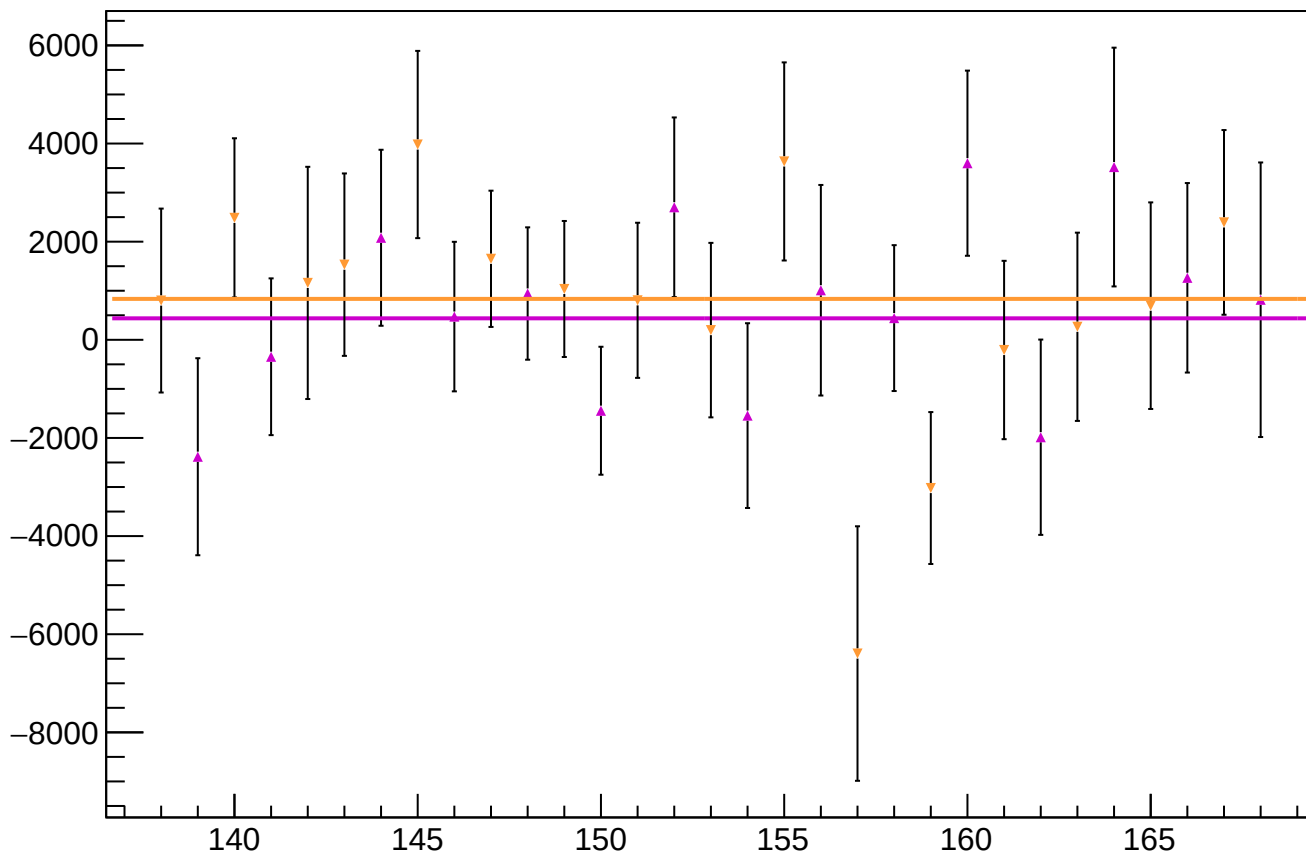
Right: 1152.217 $\pm$ 0.220 χ^2 /NDF: 294359.2/35

In: 1144.948 $\pm$ 0.189 χ^2 /NDF: 298839.2/31

Out: 1139.599 $\pm$ 0.184 χ^2 /NDF: 33913.4/34

All: 1142.213 $\pm$ 0.132 χ^2 /NDF: 333163.6/66

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 834.055+/-444.671 χ^2/NDF :21.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 437.706+/-453.214 χ^2/NDF :14.1/14

Left: 639.651+/-317.407 χ^2/NDF : 35.9/30

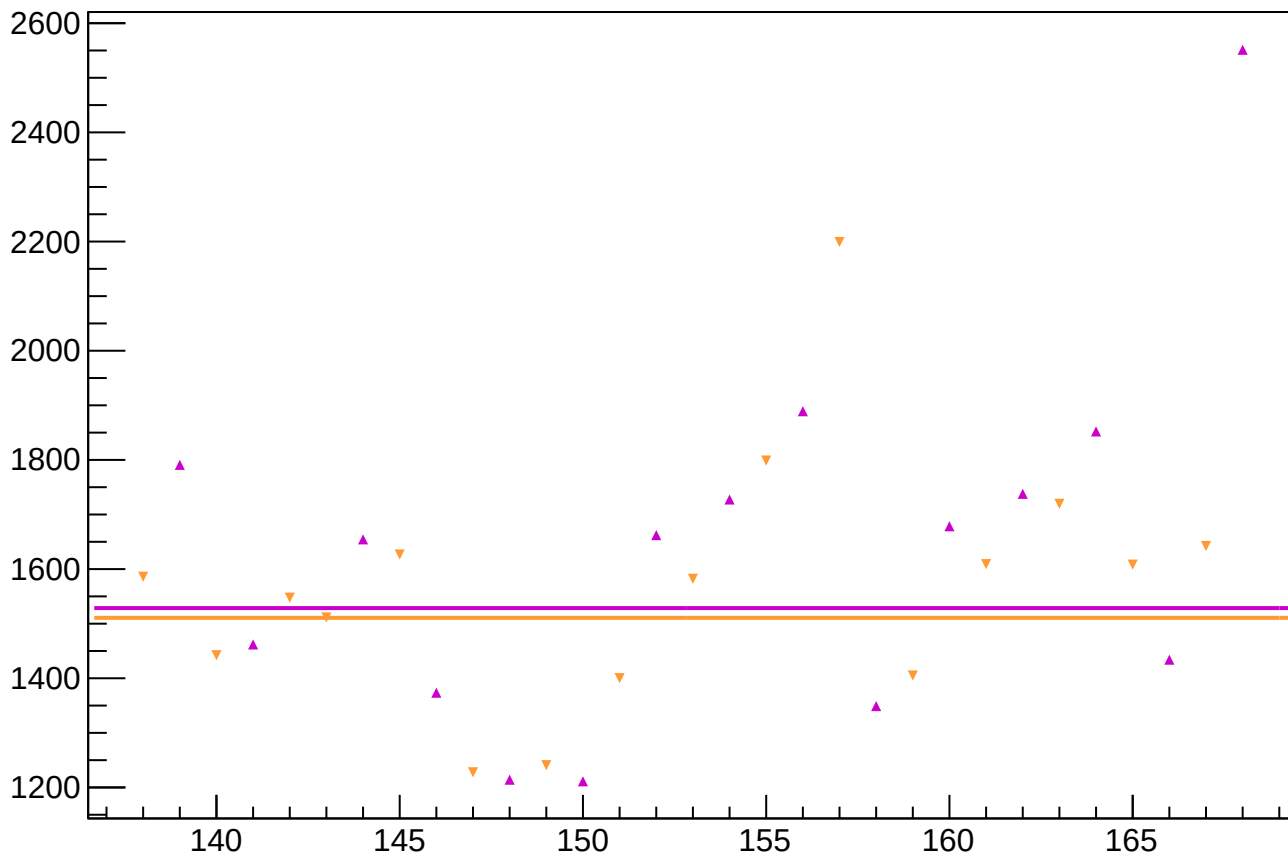
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 437.706+/-453.214 χ^2/NDF :14.1/14

Out: 834.055+/-444.671 χ^2/NDF :21.4/15

All: 639.651+/-317.407 χ^2/NDF : 35.9/30

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1510.692+/-0.314 χ^2/NDF :421232.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1528.585+/-0.320 χ^2/NDF :756142.1/14

Left: 1519.468+/-0.224 χ^2/NDF : 1178963.2/30

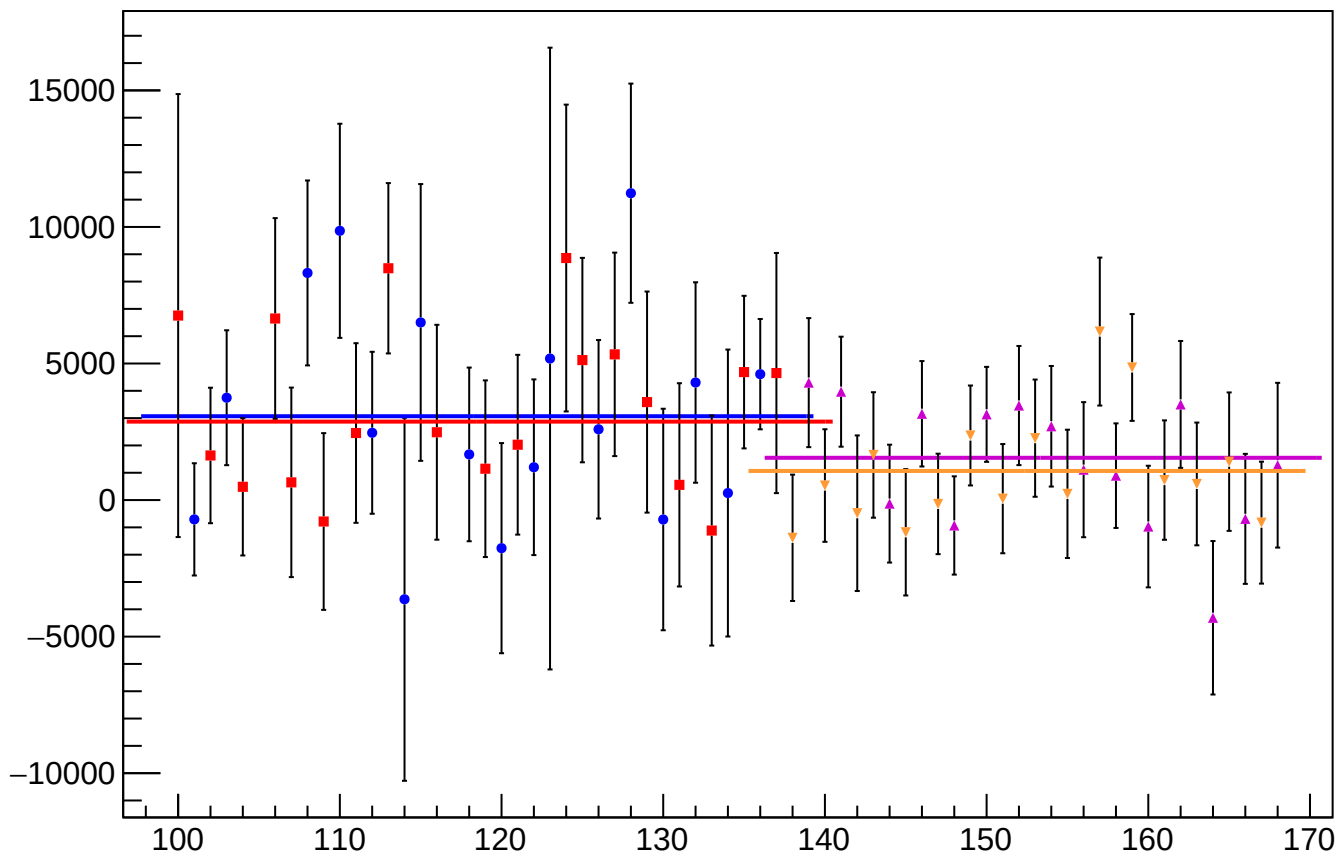
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1528.585+/-0.320 χ^2/NDF :756142.1/14

Out: 1510.692+/-0.314 χ^2/NDF :421232.7/15

All: 1519.468+/-0.224 χ^2/NDF : 1178963.2/30

asym_usr_mean vs Slug, Sign Corrected



Right In: 3069.484 $\pm$ 797.741 χ^2 /NDF: 18.5/16

Left Out: 1065.660 $\pm$ 548.286 χ^2 /NDF:12.2/15

Right Out: 2872.615 $\pm$ 795.352 χ^2 /NDF: 11.6/18

Left In: 1547.627 $\pm$ 558.967 χ^2 /NDF:15.3/14

Left: 1301.995 $\pm$ 391.419 χ^2 /NDF: 27.9/30

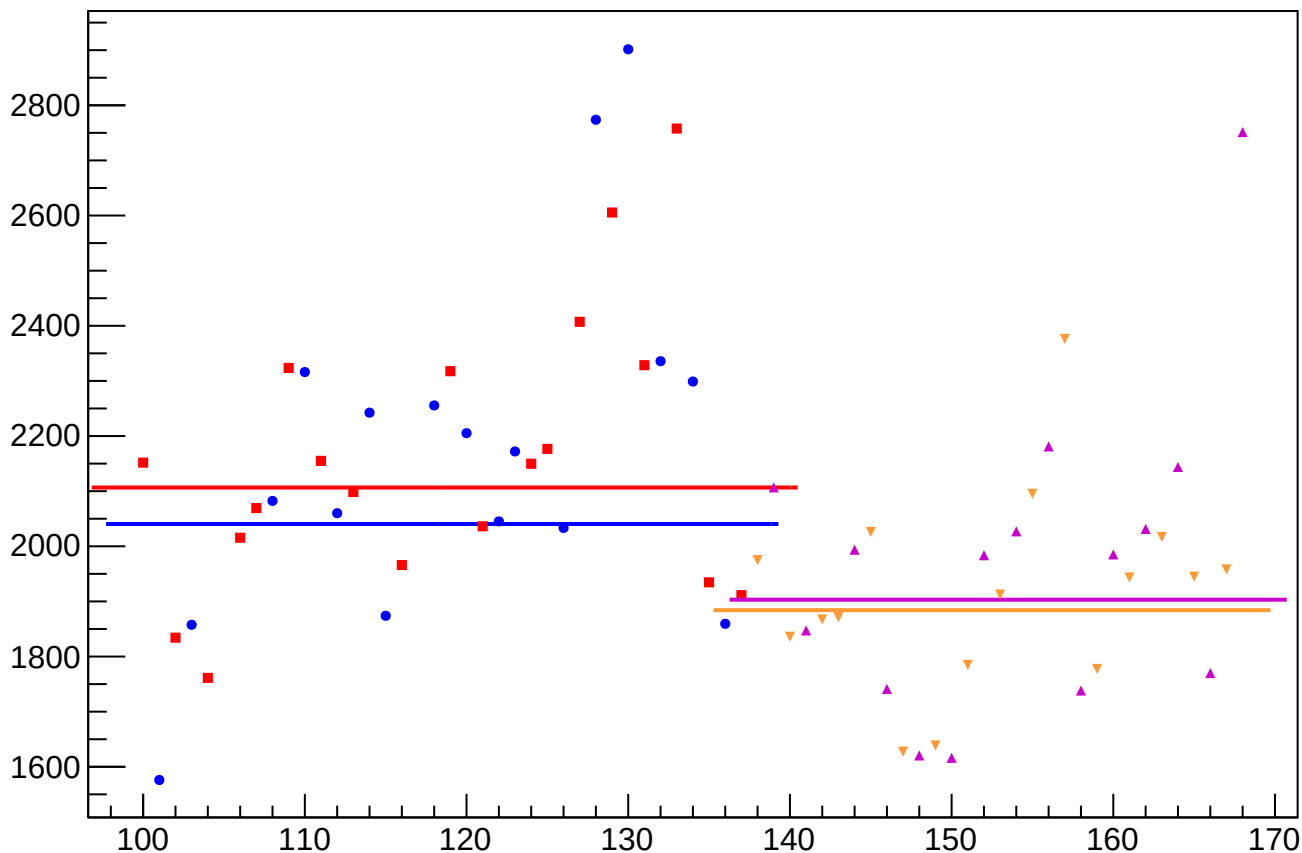
Right: 2970.754 $\pm$ 563.242 χ^2 /NDF: 30.1/35

In: 2048.763 $\pm$ 457.776 χ^2 /NDF:36.2/31

Out: 1647.745 $\pm$ 451.418 χ^2 /NDF:27.3/34

All: 1845.450 $\pm$ 321.425 χ^2 /NDF: 63.9/66

asym_usr_rms vs Slug, Sign Corrected



Right In: 2040.433+/-0.564 χ^2/NDF : 331339.9/16

Left Out: 1884.157+/-0.388 χ^2/NDF : 192001.5/15

Right Out: 2106.624+/-0.562 χ^2/NDF : 195414.9/18

Left In: 1903.159+/-0.395 χ^2/NDF : 374911.9/14

Left: 1893.475+/-0.277 χ^2/NDF : 568091.3/30

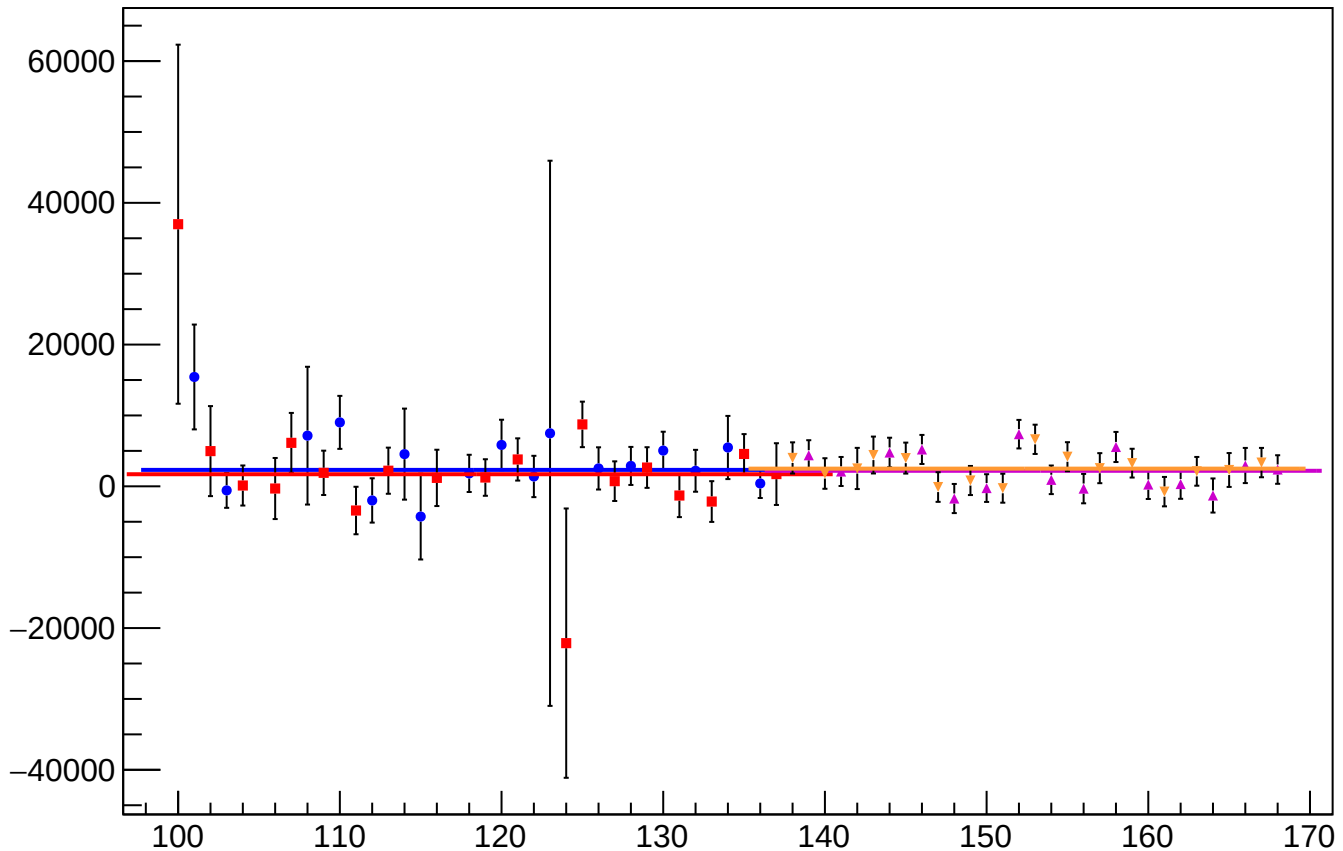
Right: 2073.628+/-0.398 χ^2/NDF : 533659.8/35

In: 1948.362+/-0.324 χ^2/NDF : 745972.9/31

Out: 1955.821+/-0.319 χ^2/NDF : 493484.2/34

All: 1952.144+/-0.227 χ^2/NDF : 1239726.3/66

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2319.038 $\pm$ 801.440 χ^2 /NDF: 14.8/16

Left Out: 2495.367 $\pm$ 540.425 χ^2 /NDF:13.1/15

Right Out: 1705.508 $\pm$ 782.848 χ^2 /NDF: 17.2/18

Left In: 2191.014 $\pm$ 540.409 χ^2 /NDF:24.8/14

Left: 2343.186 $\pm$ 382.133 χ^2 /NDF: 38.1/30

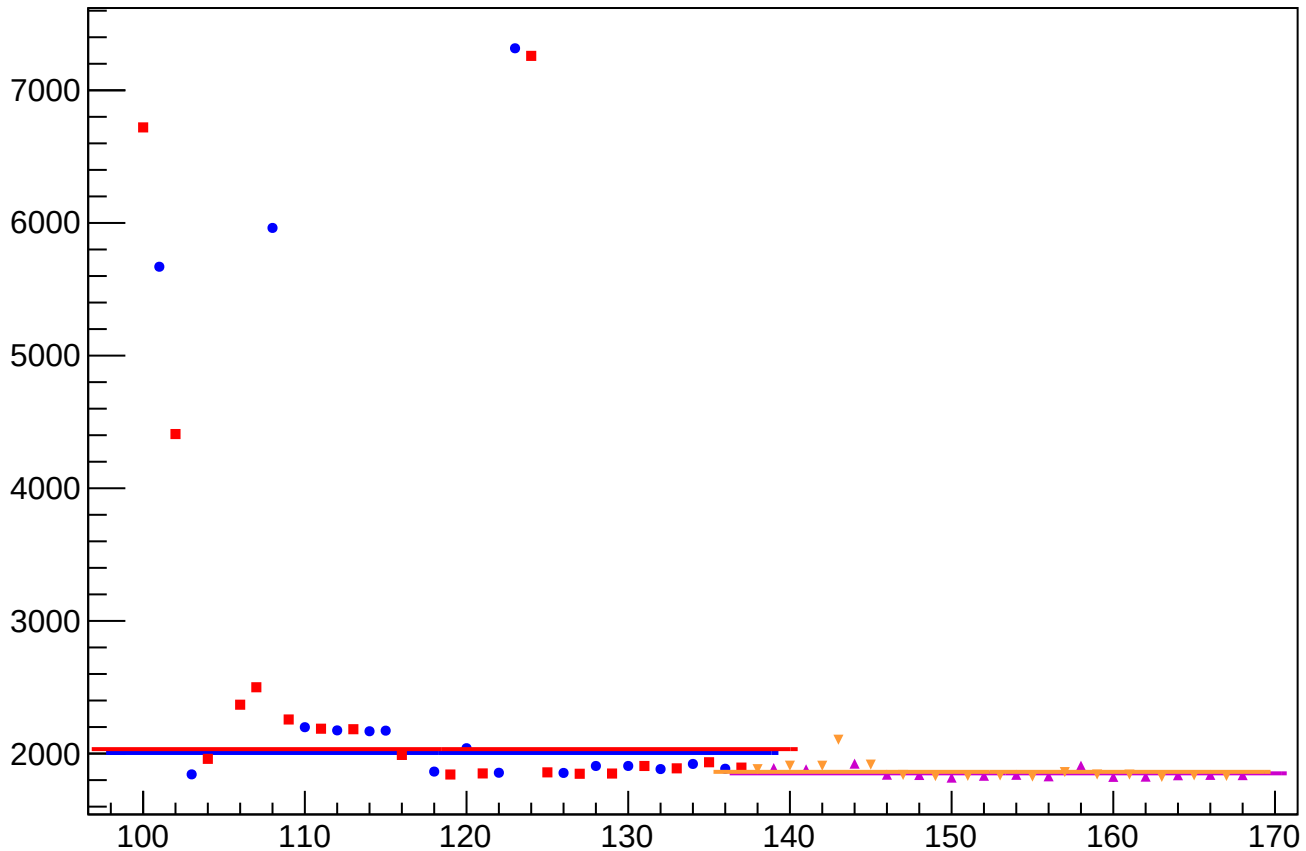
Right: 2005.073 $\pm$ 560.015 χ^2 /NDF: 32.3/35

In: 2231.030 $\pm$ 448.063 χ^2 /NDF:39.6/31

Out: 2240.441 $\pm$ 444.744 χ^2 /NDF:30.9/34

All: 2235.770 $\pm$ 315.648 χ^2 /NDF: 70.6/66

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2004.551 $\pm$ 0.567 χ^2 /NDF: 916013.4/16

Left Out: 1862.266 $\pm$ 0.382 χ^2 /NDF: 24159.3/15

Right Out: 2033.490 $\pm$ 0.554 χ^2 /NDF: 611009.8/18

Left In: 1850.979 $\pm$ 0.382 χ^2 /NDF: 7008.7/14

Left: 1856.622 $\pm$ 0.270 χ^2 /NDF: 31604.2/30

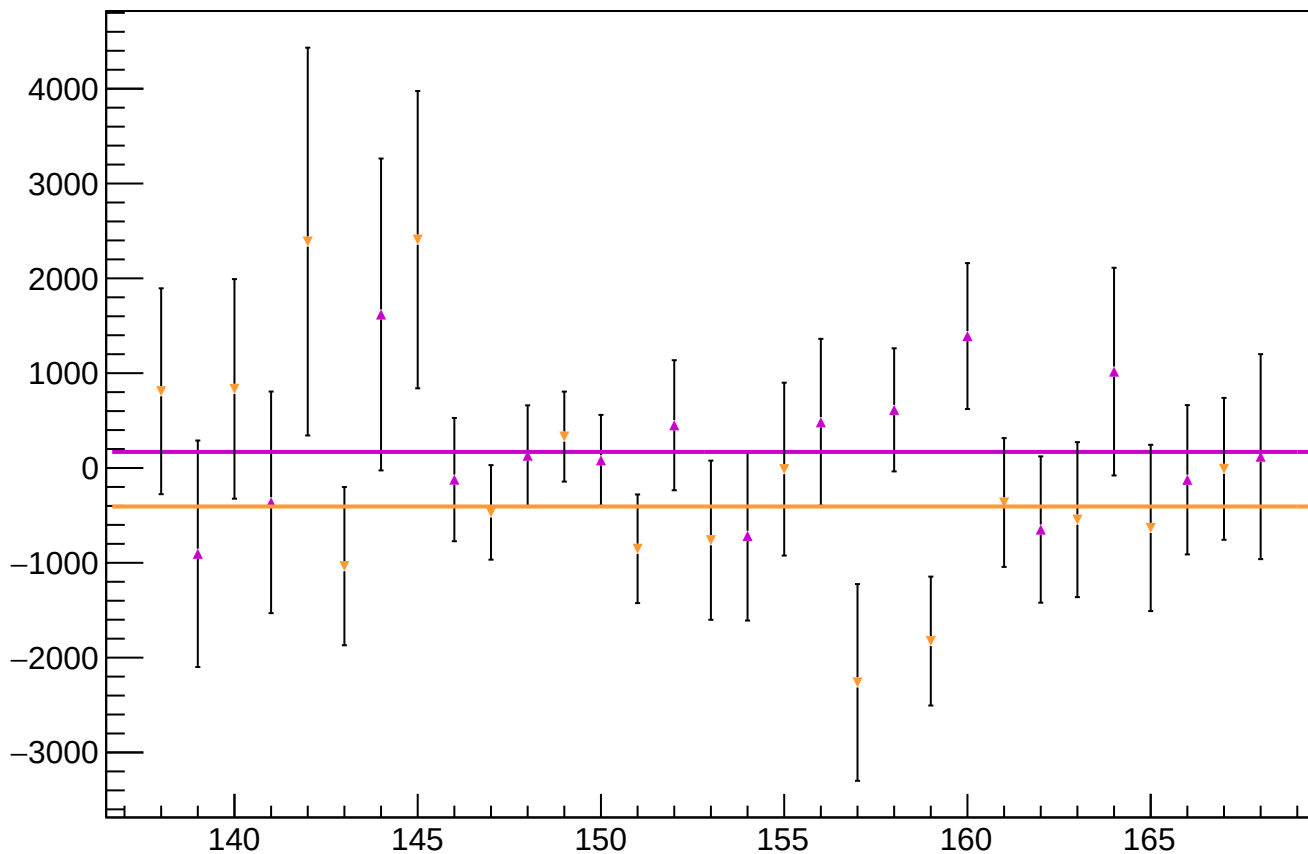
Right: 2019.360 $\pm$ 0.396 χ^2 /NDF: 1528357.7/35

In: 1898.980 $\pm$ 0.317 χ^2 /NDF: 973504.9/31

Out: 1917.528 $\pm$ 0.314 χ^2 /NDF: 699966.7/34

All: 1908.323 $\pm$ 0.223 χ^2 /NDF: 1675198.1/60

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -406.019 $\pm$ 190.158 χ^2 /NDF:19.4/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 169.468 $\pm$ 196.881 χ^2 /NDF:8.2/14

Left: -128.270 $\pm$ 136.777 χ^2 /NDF: 32.0/30

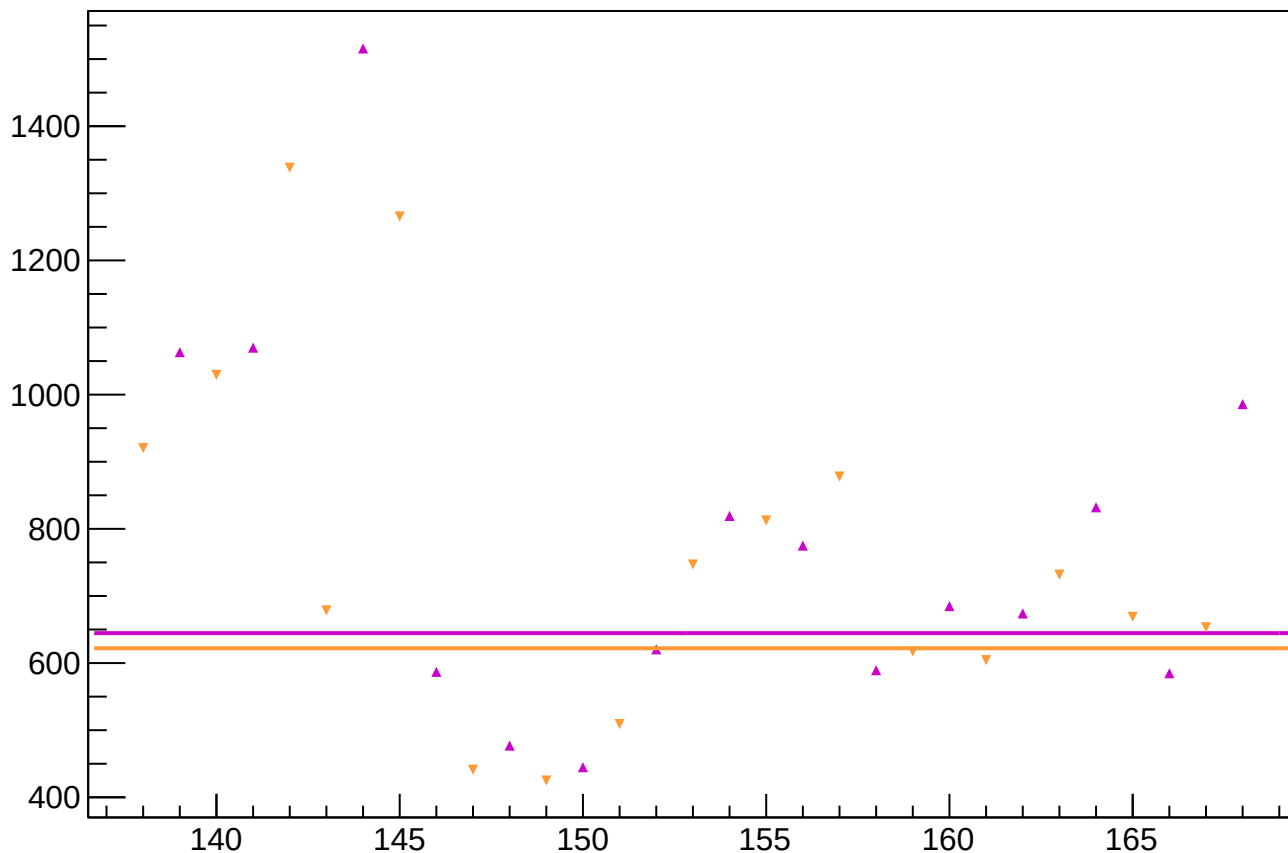
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 169.468 $\pm$ 196.881 χ^2 /NDF:8.2/14

Out: -406.019 $\pm$ 190.158 χ^2 /NDF:19.4/15

All: -128.270 $\pm$ 136.777 χ^2 /NDF: 32.0/30

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 622.066+/-0.134 χ^2/NDF :1976130.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 644.603+/-0.139 χ^2/NDF :2050597.3/14

Left: 632.943+/-0.097 χ^2/NDF : 4040285.2/30

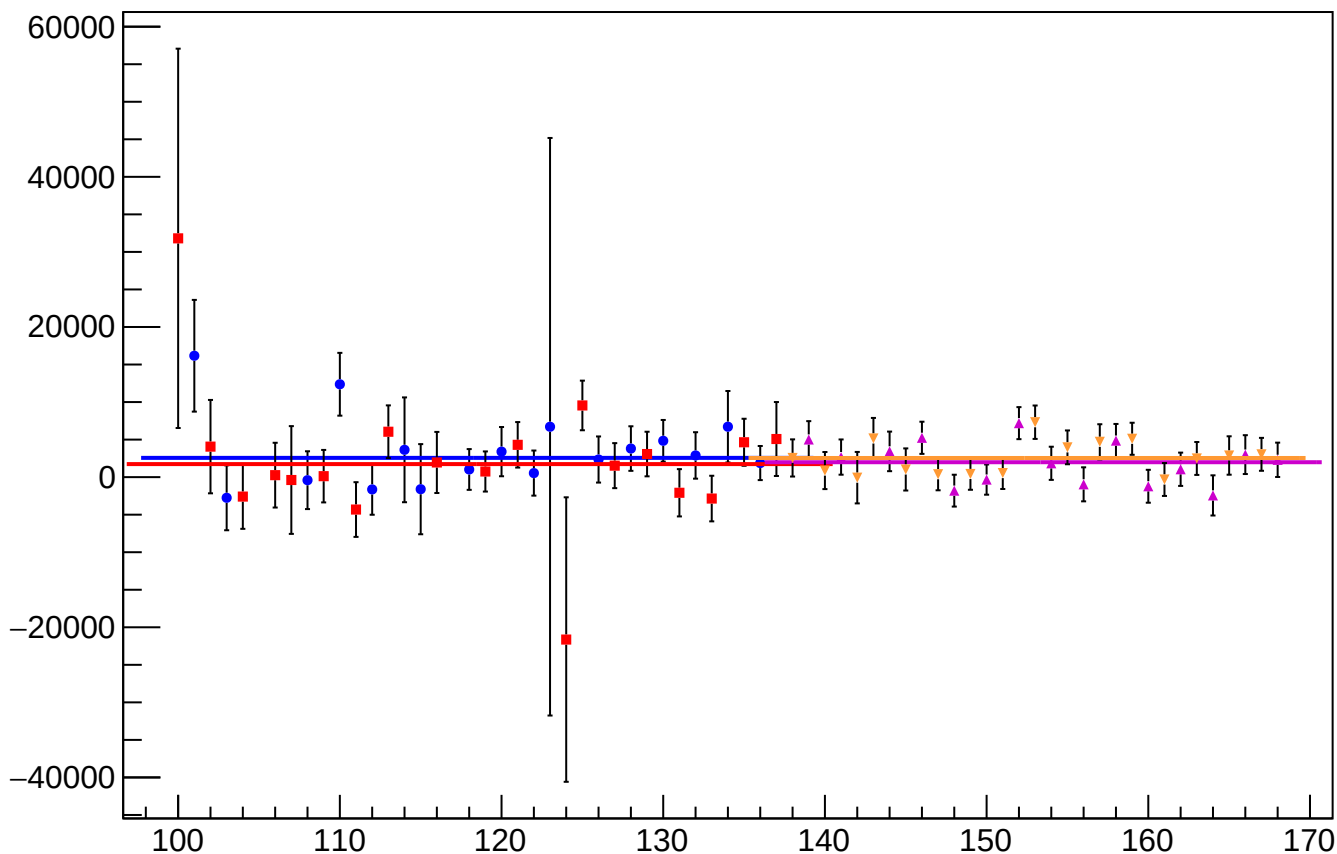
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 644.603+/-0.139 χ^2/NDF :2050597.3/14

Out: 622.066+/-0.134 χ^2/NDF :1976130.3/15

All: 632.943+/-0.097 χ^2/NDF : 4040285.2/30

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2566.797 $\pm$ 856.089 χ^2/NDF : 15.6/16

Left Out: 2550.420 $\pm$ 585.399 χ^2/NDF : 14.2/15

Right Out: 1737.684 $\pm$ 853.181 χ^2/NDF : 20.5/18

Left In: 1986.910 $\pm$ 587.828 χ^2/NDF : 23.3/14

Left: 2269.832 $\pm$ 414.796 χ^2/NDF : 38.0/30

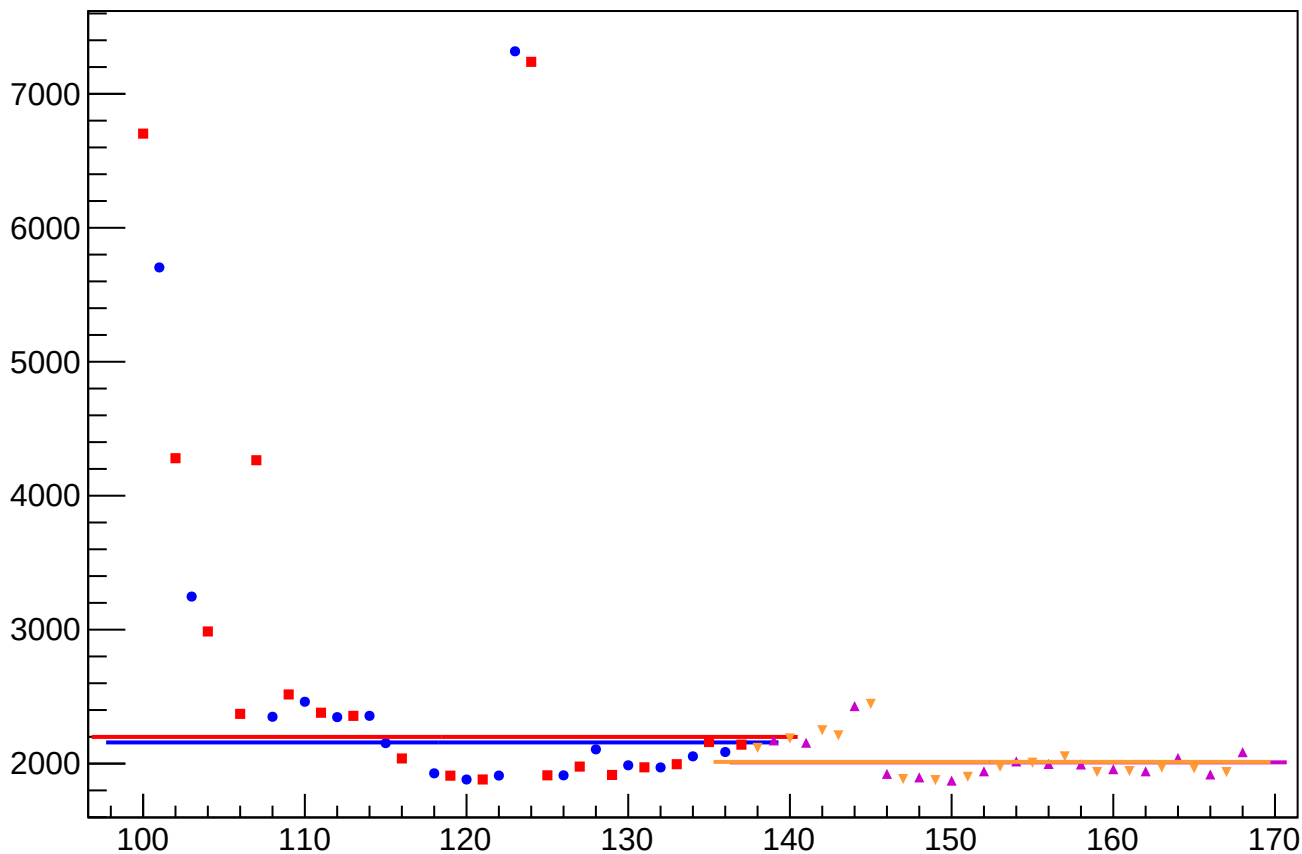
Right: 2150.830 $\pm$ 604.316 χ^2/NDF : 36.5/35

In: 2172.713 $\pm$ 484.589 χ^2/NDF : 39.2/31

Out: 2290.271 $\pm$ 482.701 χ^2/NDF : 35.4/34

All: 2231.721 $\pm$ 341.986 χ^2/NDF : 74.6/66

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2158.148 $\pm$ 0.605 χ^2 /NDF: 713862.1/16

Left Out: 2012.862 $\pm$ 0.414 χ^2 /NDF:111809.3/15

Right Out: 2199.343 $\pm$ 0.603 χ^2 /NDF: 803022.0/18

Left In: 2009.439 $\pm$ 0.416 χ^2 /NDF:95507.9/14

Left: 2011.158 $\pm$ 0.293 χ^2 /NDF: 207351.2/30

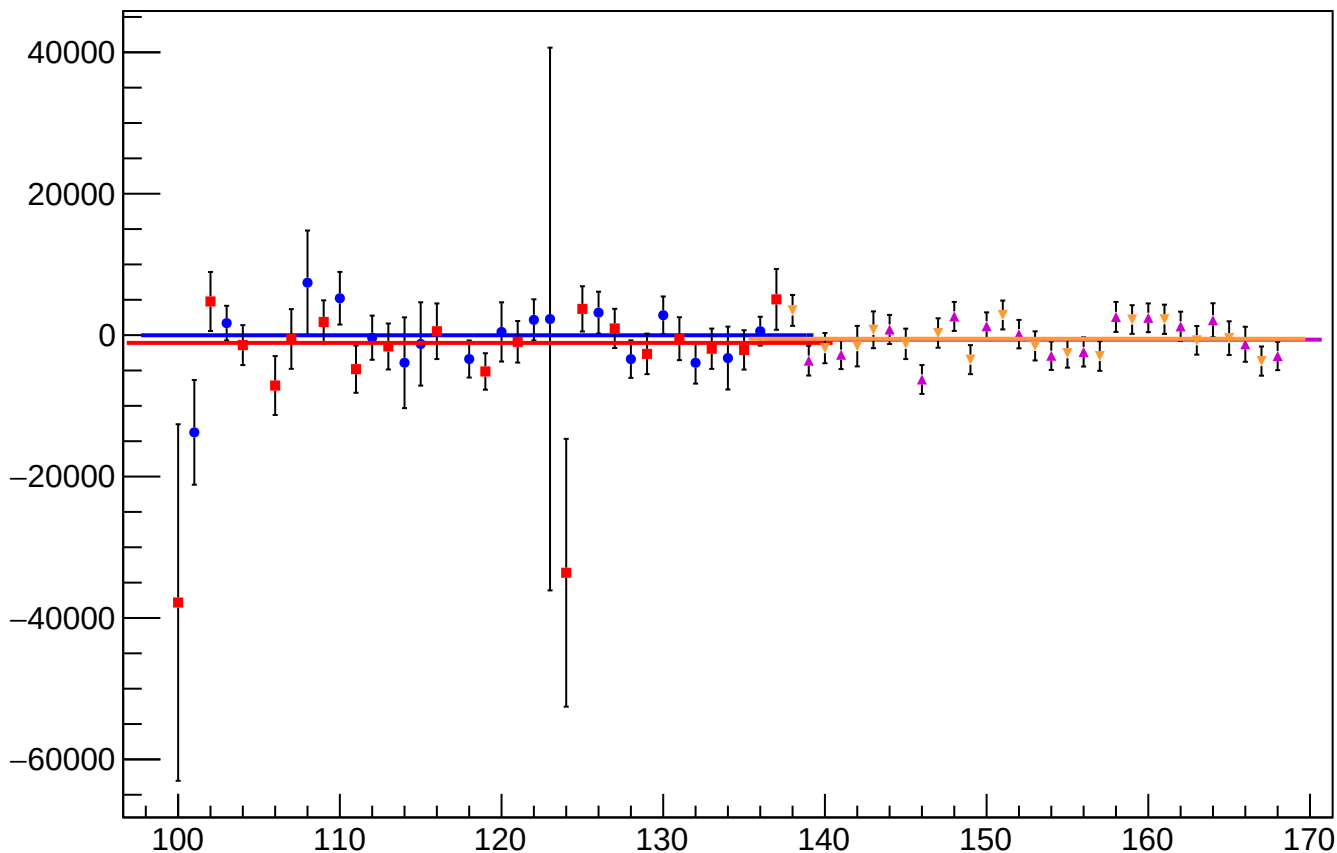
Right: 2178.816 $\pm$ 0.427 χ^2 /NDF: 1519207.5/35

In: 2057.087 $\pm$ 0.343 χ^2 /NDF:850382.5/31

Out: 2072.553 $\pm$ 0.341 χ^2 /NDF:979794.7/34

All: 2064.850 $\pm$ 0.242 χ^2 /NDF: 1831199.8/60

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -18.275 ± 801.405 χ^2/NDF : 15.8/16

Left Out: -515.059 ± 537.894 χ^2/NDF : 17.7/15

Right Out: -1095.433 ± 769.722 χ^2/NDF : 19.4/18

Left In: -638.030 ± 538.301 χ^2/NDF : 25.0/14

Left: -576.498 ± 380.492 χ^2/NDF : 42.7/30

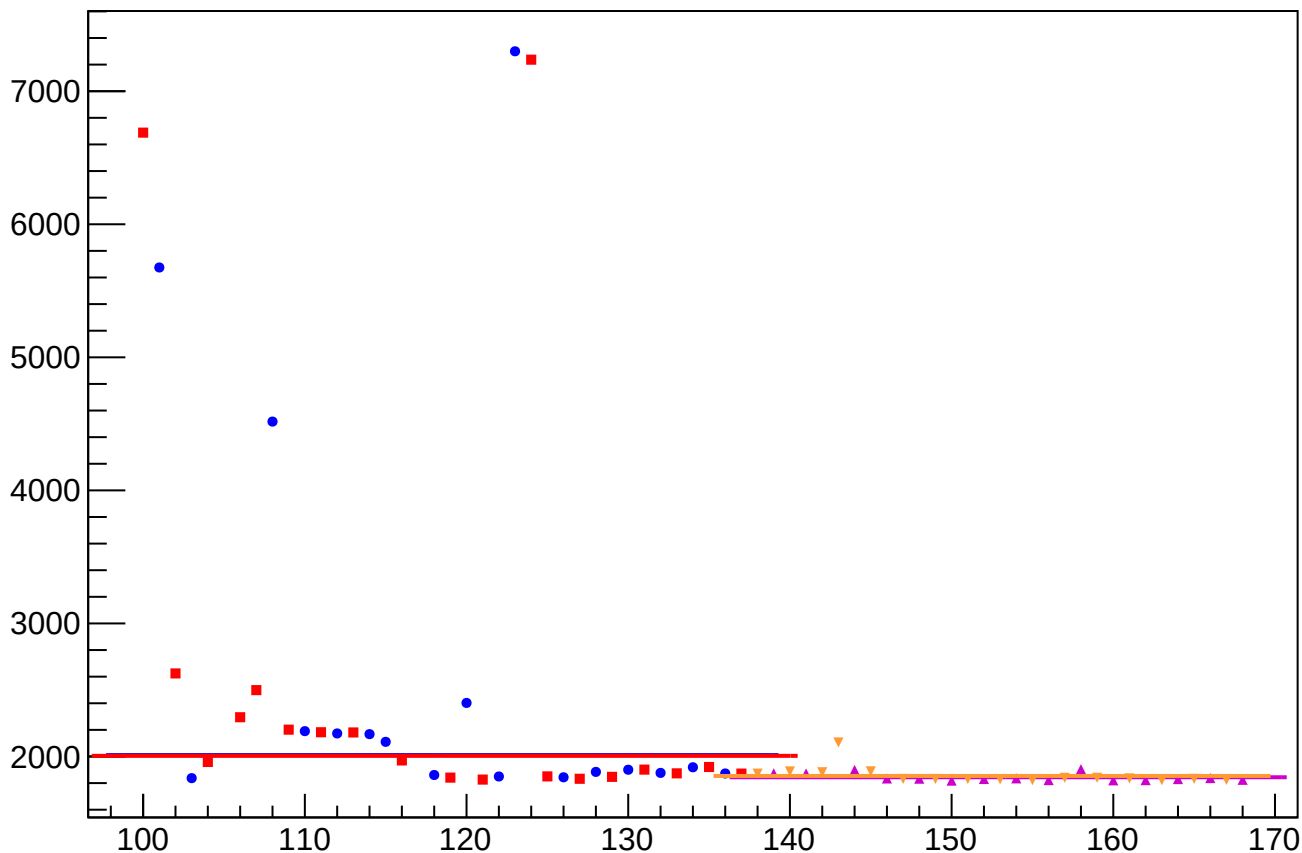
Right: -578.567 ± 555.139 χ^2/NDF : 36.2/35

In: -445.346 ± 446.854 χ^2/NDF : 41.2/31

Out: -705.486 ± 440.905 χ^2/NDF : 37.5/34

All: -577.159 ± 313.849 χ^2/NDF : 78.9/66

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2010.272+/-0.567 χ^2/NDF : 839746.7/16

Left Out: 1853.663+/-0.380 χ^2/NDF : 22962.3/15

Right Out: 2004.882+/-0.544 χ^2/NDF : 367513.0/18

Left In: 1843.847+/-0.381 χ^2/NDF : 5390.8/14

Left: 1848.759+/-0.269 χ^2/NDF : 28685.9/30

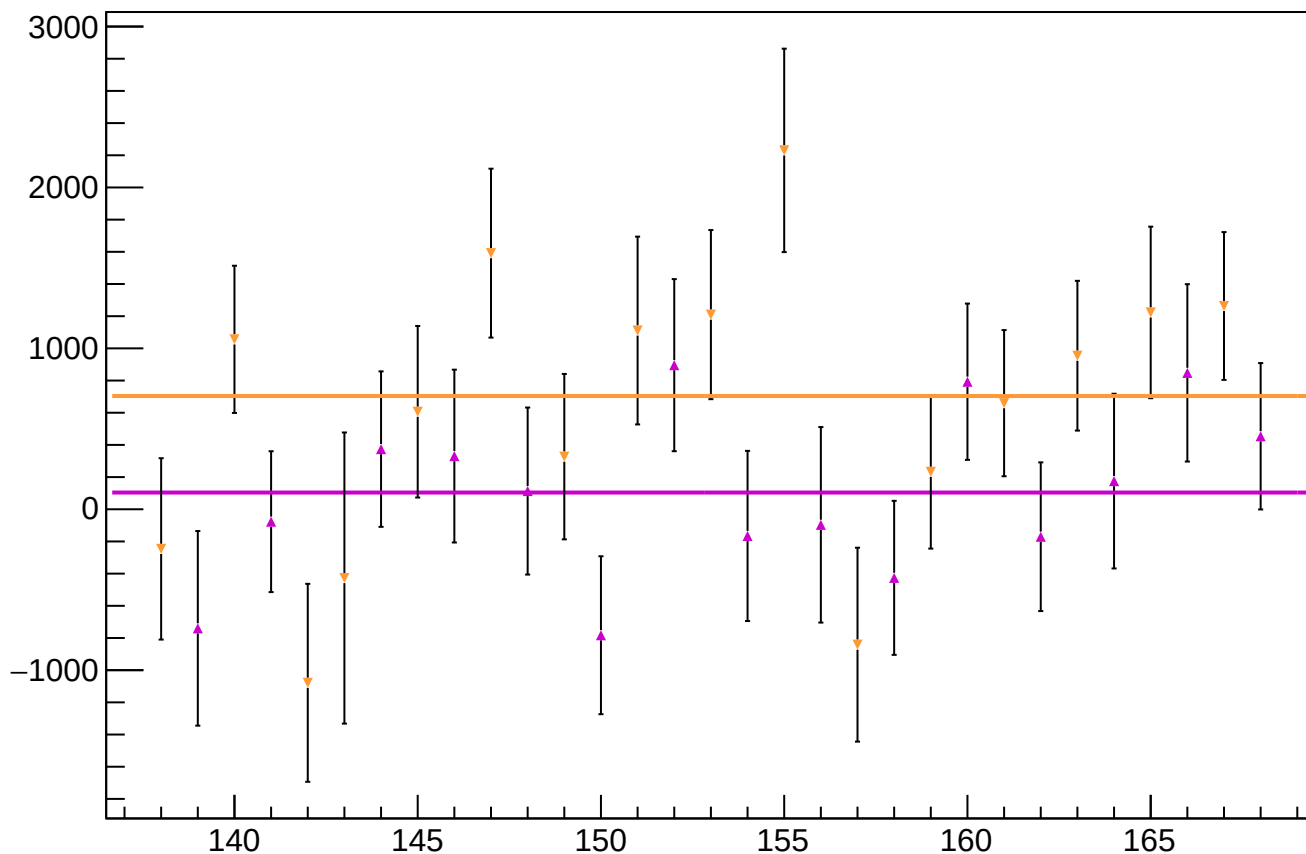
Right: 2007.469+/-0.393 χ^2/NDF : 1207306.7/35

In: 1895.589+/-0.316 χ^2/NDF : 904572.7/31

Out: 1903.280+/-0.312 χ^2/NDF : 442340.7/34

All: 1899.486+/-0.222 χ^2/NDF : 1347213.6/66

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 703.778+/-132.853 χ^2/NDF :34.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 104.016+/-131.125 χ^2/NDF :14.5/14

Left: 399.971+/-93.324 χ^2/NDF : 59.1/30

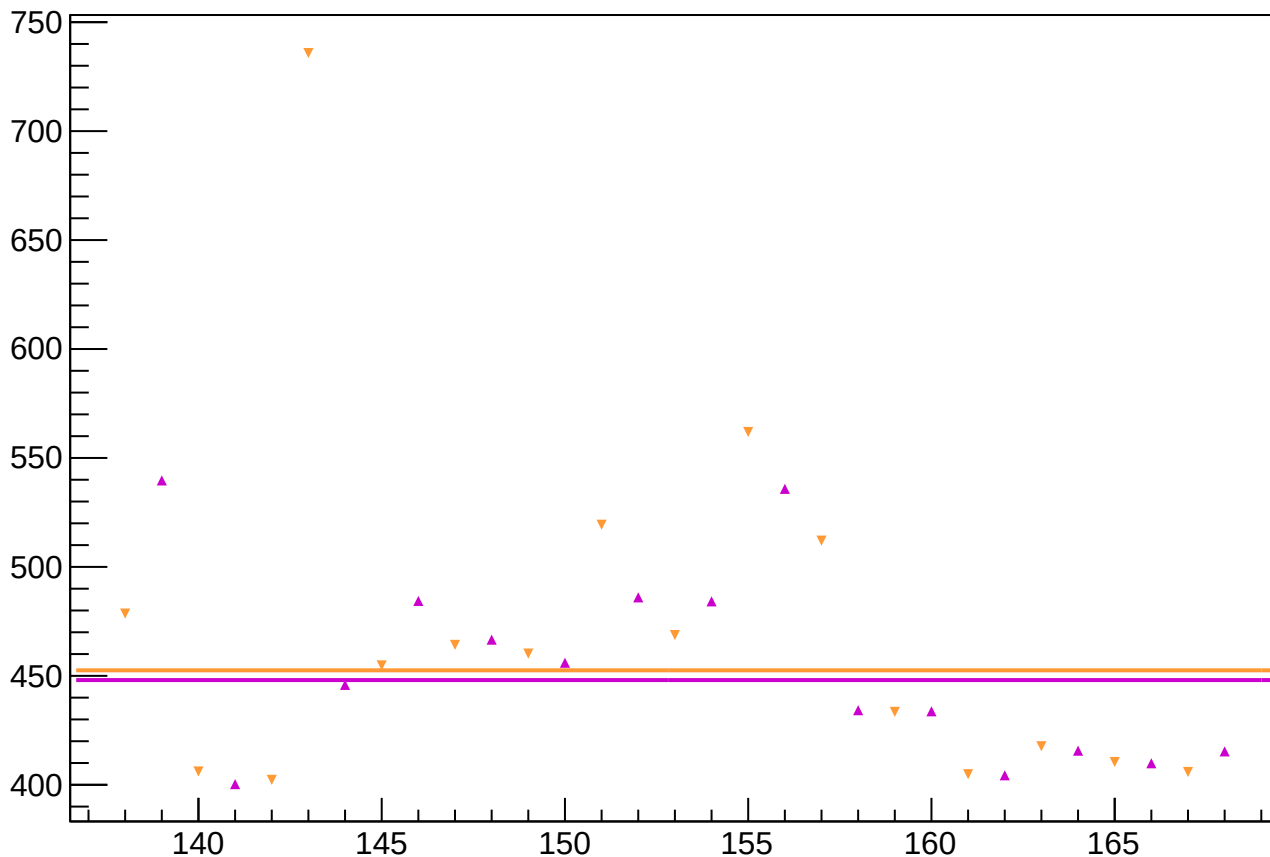
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 104.016+/-131.125 χ^2/NDF :14.5/14

Out: 703.778+/-132.853 χ^2/NDF :34.4/15

All: 399.971+/-93.324 χ^2/NDF : 59.1/30

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 452.544+/-0.094 χ^2/NDF :412865.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 448.058+/-0.093 χ^2/NDF :191504.0/14

Left: 450.272+/-0.066 χ^2/NDF : 605524.1/30

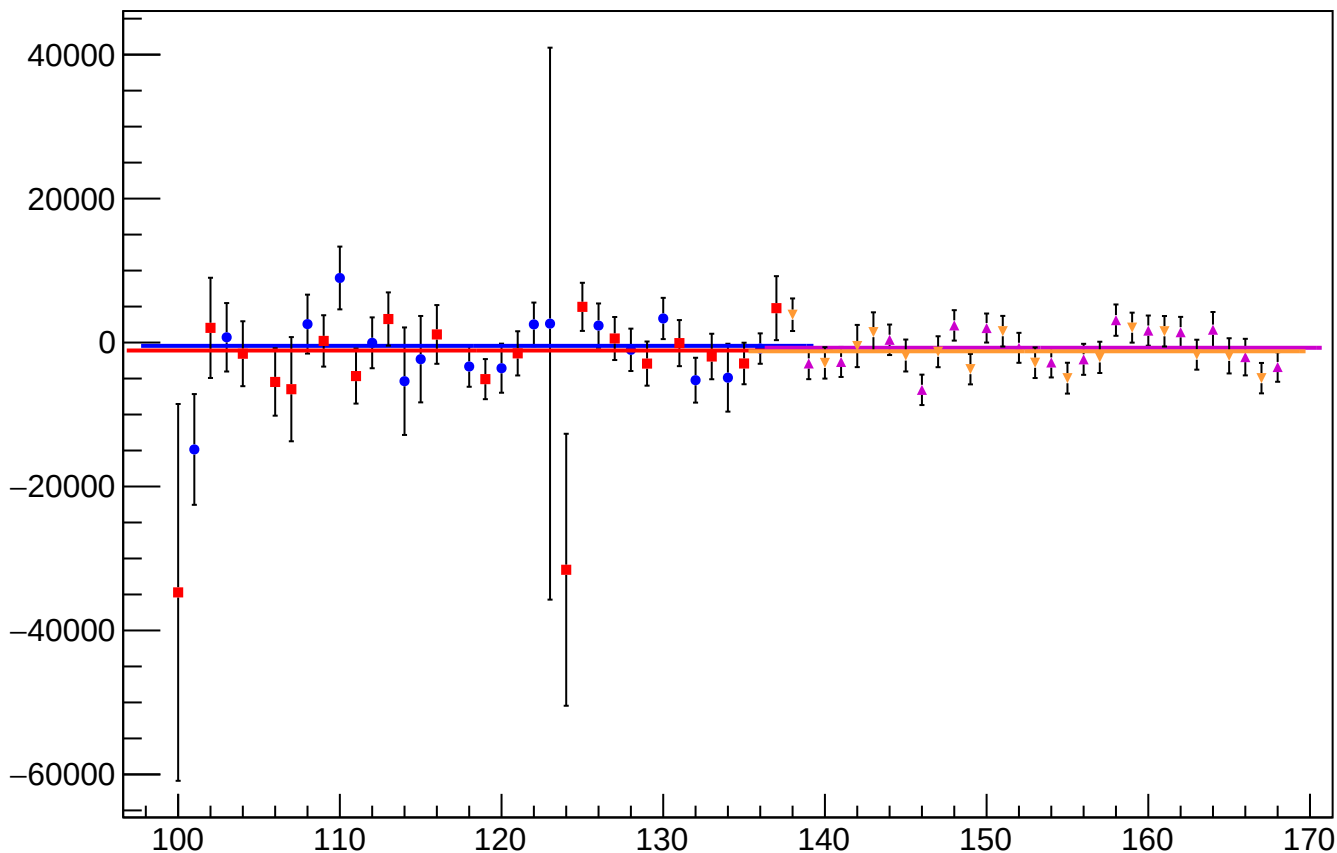
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 448.058+/-0.093 χ^2/NDF :191504.0/14

Out: 452.544+/-0.094 χ^2/NDF :412865.3/15

All: 450.272+/-0.066 χ^2/NDF : 605524.1/30

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -458.311+/-865.151 χ^2 /NDF: 18.1/16

Left Out: -1212.470+/-555.239 χ^2 /NDF:20.9/15

Right Out: -1104.312+/-867.160 χ^2 /NDF: 16.9/18

Left In: -727.136+/-554.660 χ^2 /NDF:23.8/14

Left: -969.550+/-392.408 χ^2 /NDF: 45.1/30

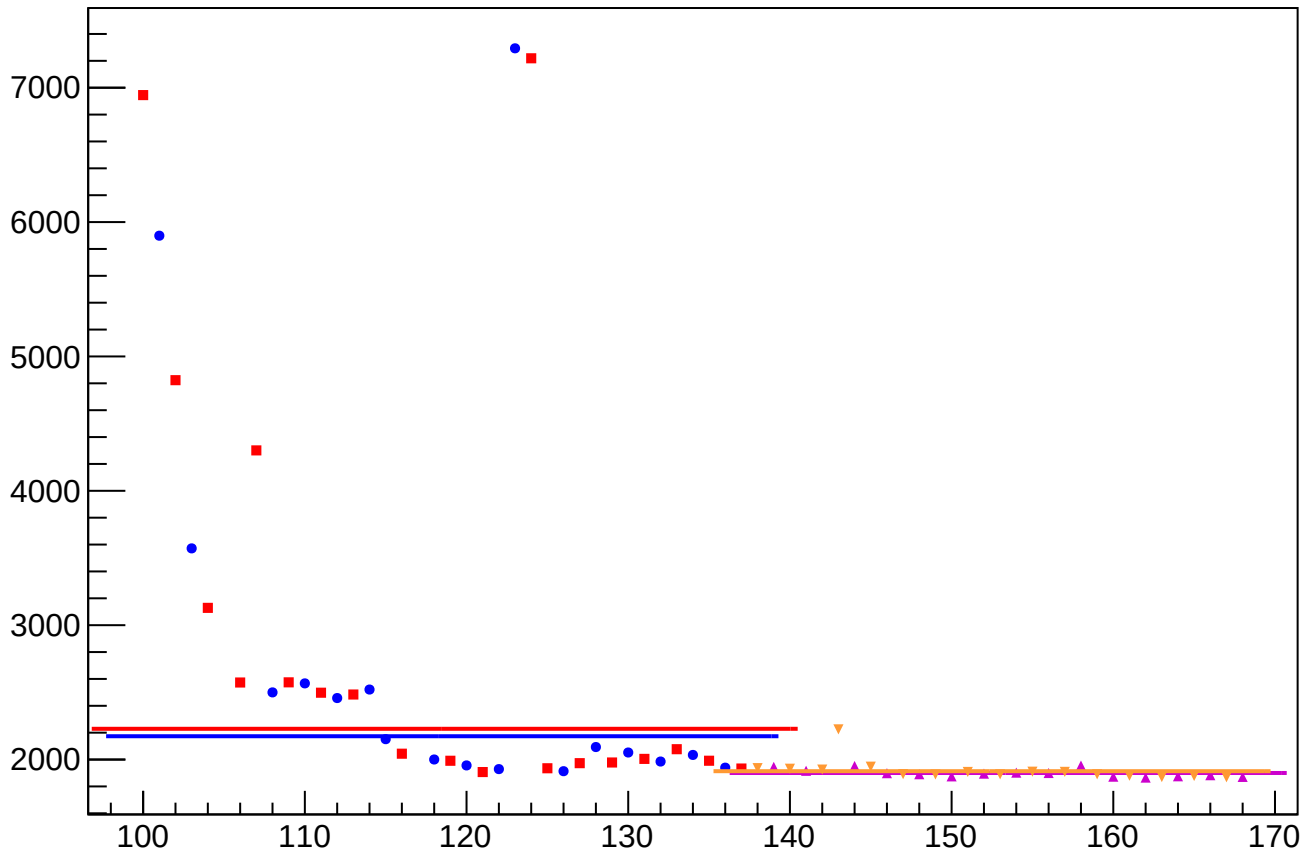
Right: -780.562+/-612.463 χ^2 /NDF: 35.2/35

In: -648.829+/-466.938 χ^2 /NDF:41.9/31

Out: -1181.021+/-467.599 χ^2 /NDF:37.9/34

All: -914.548+/-330.408 χ^2 /NDF: 80.4/66

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2173.529 $\pm$ 0.612 χ^2 /NDF: 805360.7/16

Left Out: 1913.382 $\pm$ 0.393 χ^2 /NDF:30224.0/15

Right Out: 2228.892 $\pm$ 0.613 χ^2 /NDF: 895863.4/18

Left In: 1900.060 $\pm$ 0.392 χ^2 /NDF:5422.8/14

Left: 1906.714 $\pm$ 0.277 χ^2 /NDF: 36223.2/30

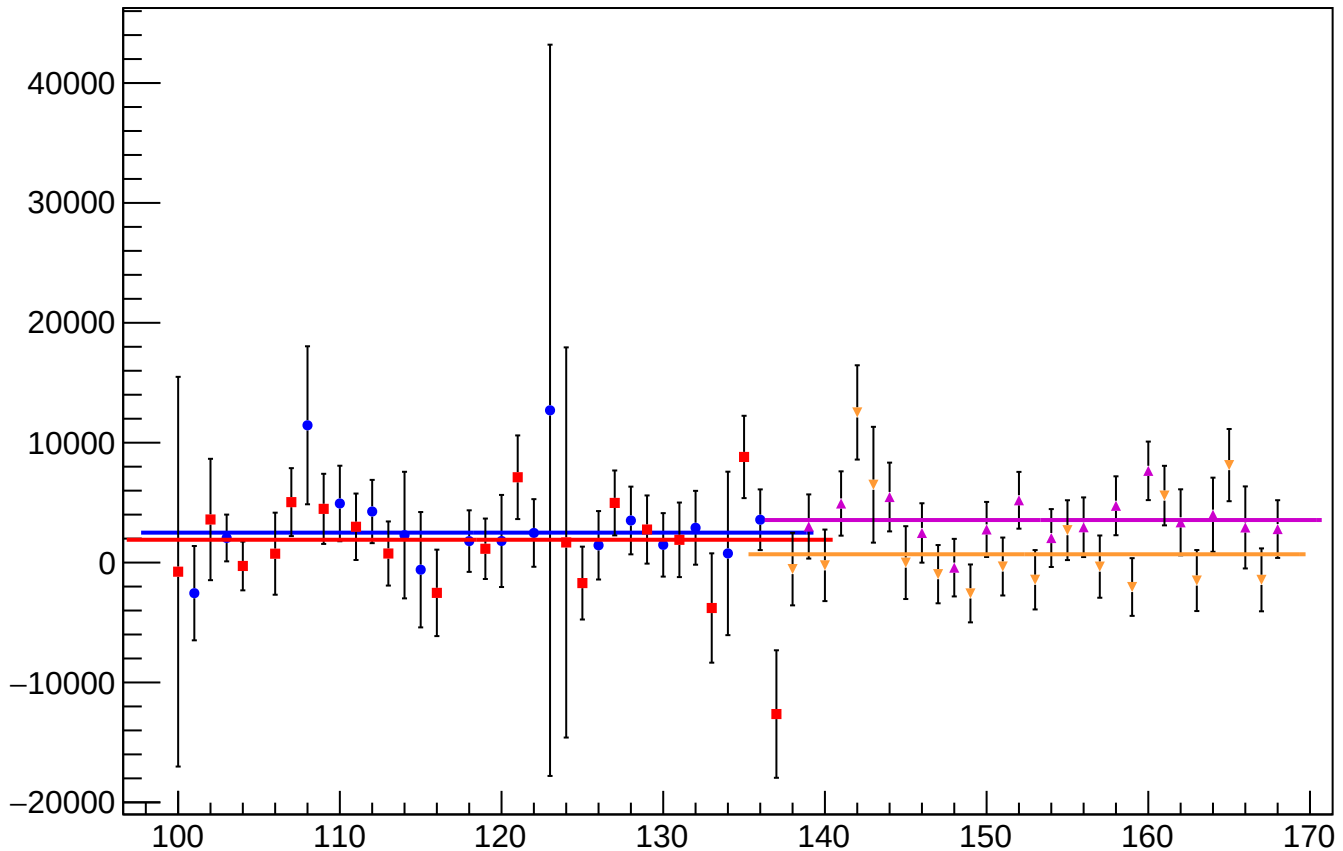
Right: 2201.146 $\pm$ 0.433 χ^2 /NDF: 1705309.7/35

In: 1979.720 $\pm$ 0.330 χ^2 /NDF:952404.2/31

Out: 2005.123 $\pm$ 0.331 χ^2 /NDF:1113866.7/34

All: 1992.404 $\pm$ 0.234 χ^2 /NDF: 2069226.6/66

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2496.610 $\pm$ 768.295 χ^2 /NDF: 5.9/16

Left Out: 693.080 $\pm$ 679.466 χ^2 /NDF: 27.5/15

Right Out: 1902.970 $\pm$ 736.793 χ^2 /NDF: 23.5/18

Left In: 3548.535 $\pm$ 664.385 χ^2 /NDF: 7.9/14

Left: 2152.847 $\pm$ 475.033 χ^2 /NDF: 44.5/30

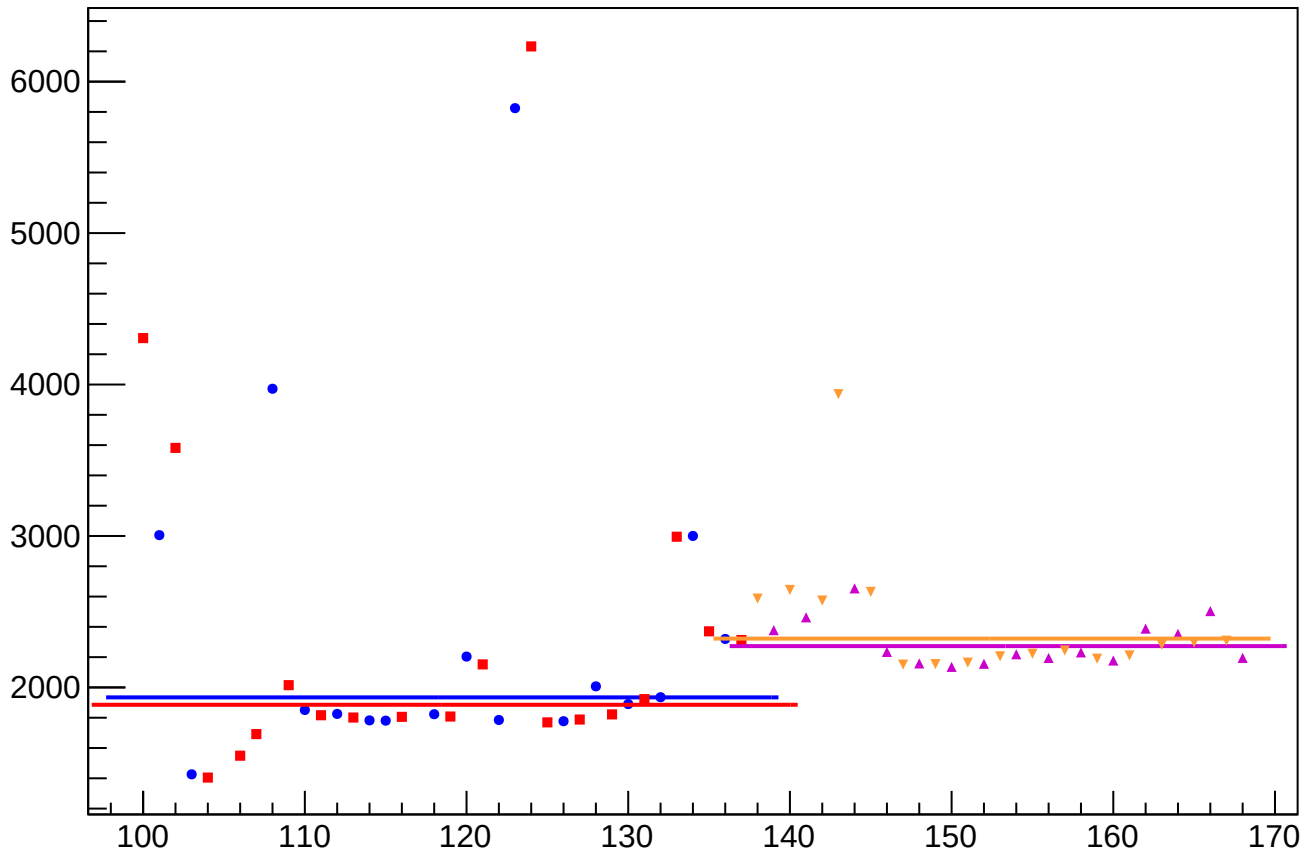
Right: 2187.370 $\pm$ 531.779 χ^2 /NDF: 29.7/35

In: 3098.467 $\pm$ 502.544 χ^2 /NDF: 14.9/31

Out: 1249.131 $\pm$ 499.494 χ^2 /NDF: 52.4/34

All: 2168.169 $\pm$ 354.269 χ^2 /NDF: 74.1/66

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1934.404+/-0.543 χ^2/NDF : 638920.4/16

Left Out: 2322.430+/-0.480 χ^2/NDF : 339082.2/15

Right Out: 1885.547+/-0.521 χ^2/NDF : 752091.8/18

Left In: 2272.823+/-0.470 χ^2/NDF : 88113.1/14

Left: 2297.070+/-0.336 χ^2/NDF : 432645.1/30

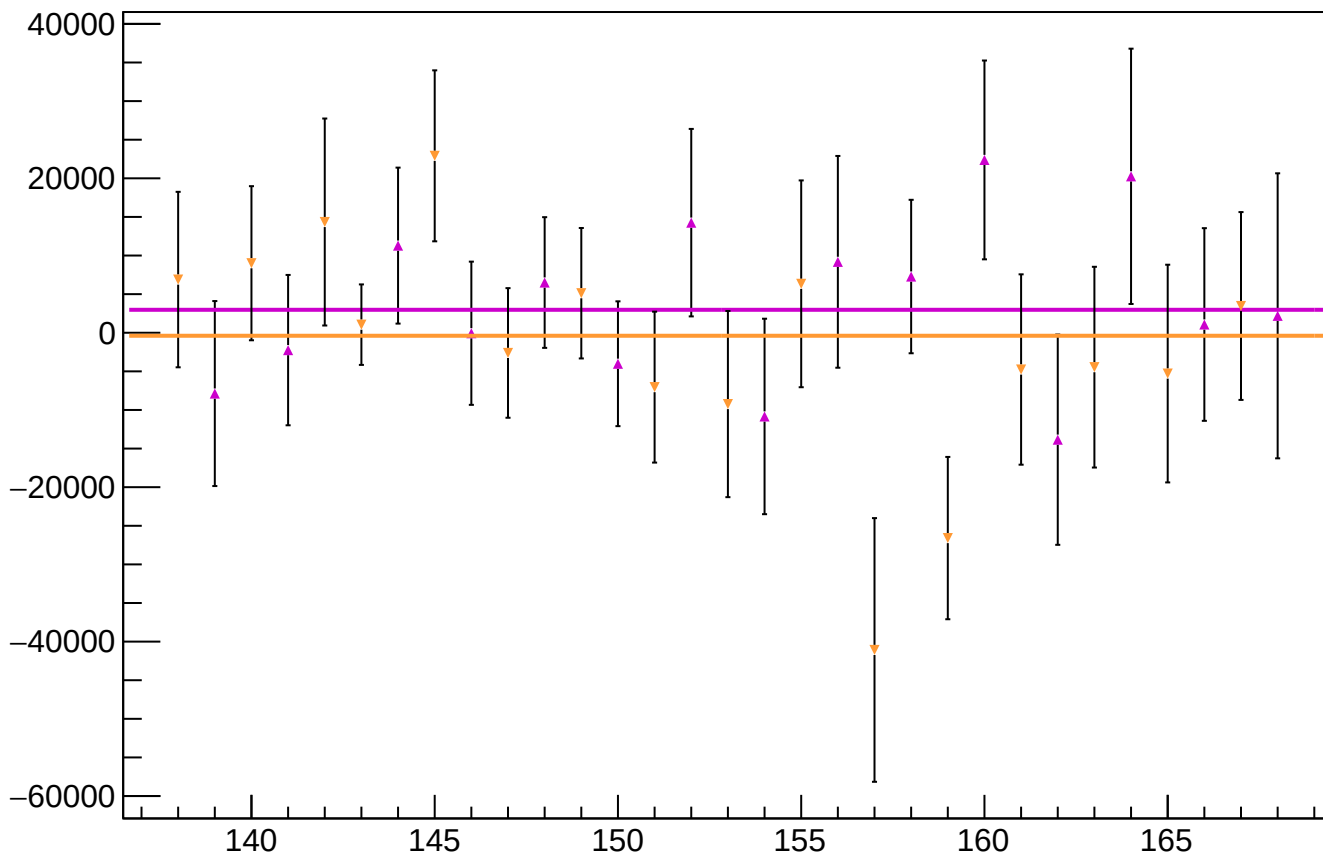
Right: 1908.949+/-0.376 χ^2/NDF : 1395226.1/35

In: 2128.030+/-0.355 χ^2/NDF : 949054.5/31

Out: 2121.604+/-0.353 χ^2/NDF : 1471258.2/34

All: 2124.797+/-0.250 χ^2/NDF : 2420477.2/66

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -389.035+/-2529.985 χ^2/NDF :21.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2973.000+/-2873.185 χ^2/NDF :10.2/14

Left: 1079.290+/-1898.775 χ^2/NDF : 32.0/30

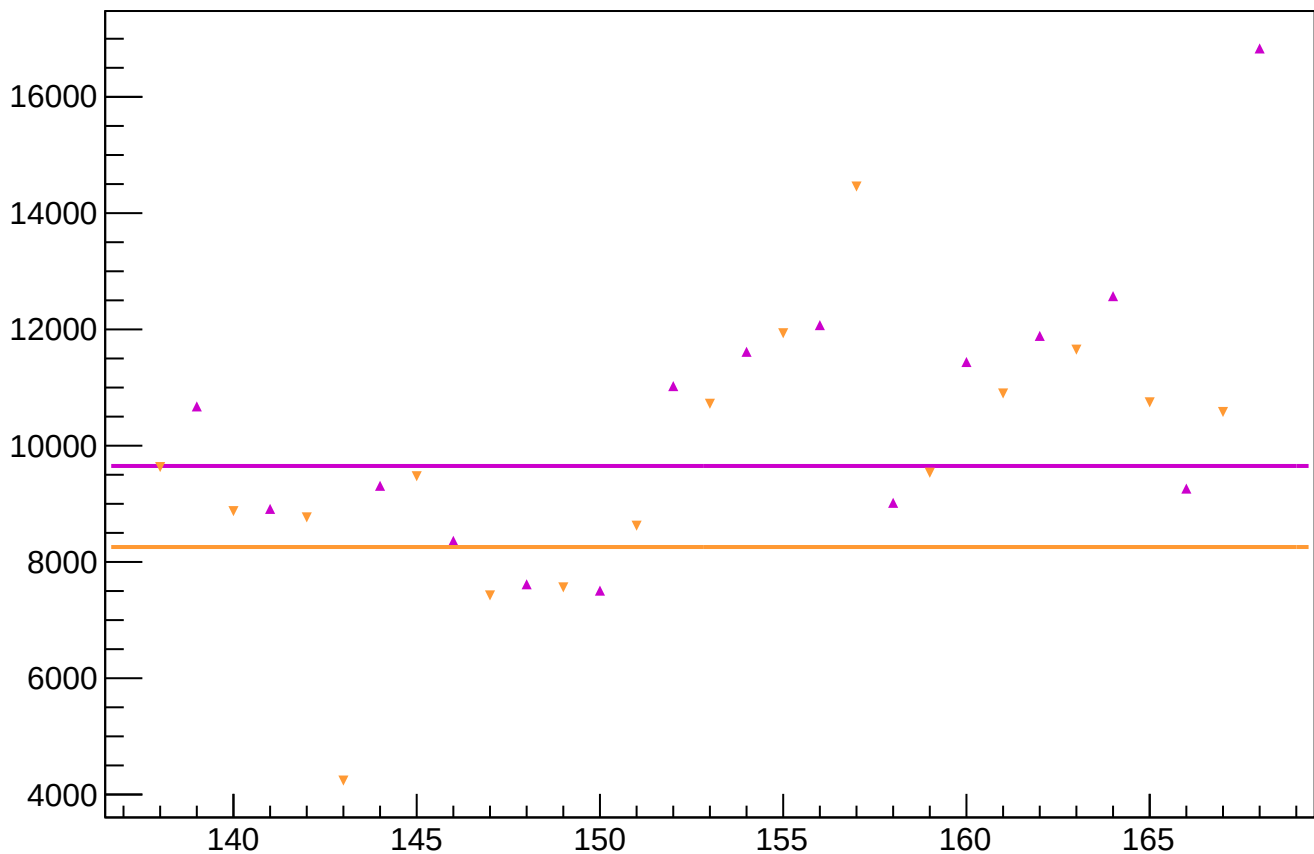
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2973.000+/-2873.185 χ^2/NDF :10.2/14

Out: -389.035+/-2529.985 χ^2/NDF :21.1/15

All: 1079.290+/-1898.775 χ^2/NDF : 32.0/30

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 8256.984+/-1.789 χ^2/NDF :2179278.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 9651.148+/-2.032 χ^2/NDF :927449.8/14

Left: 8865.867+/-1.343 χ^2/NDF : 3371970.4/30

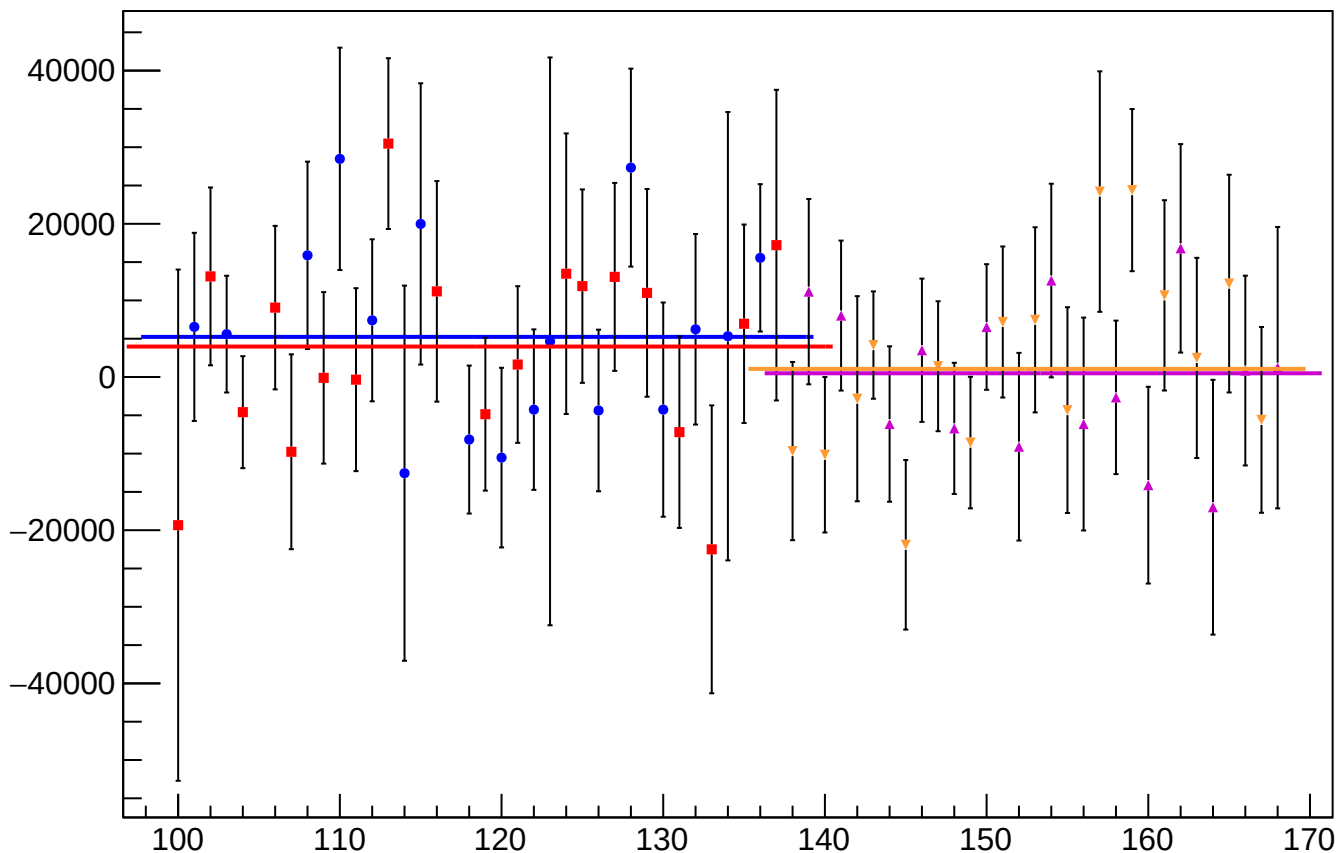
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9651.148+/-2.032 χ^2/NDF :927449.8/14

Out: 8256.984+/-1.789 χ^2/NDF :2179278.8/15

All: 8865.867+/-1.343 χ^2/NDF : 3371970.4/30

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5238.554 $\pm$ 2946.164 χ^2 /NDF: 14.5/16

Left Out: 1060.405 $\pm$ 2687.925 χ^2 /NDF:17.3/15

Right Out: 3976.061 $\pm$ 2790.421 χ^2 /NDF: 15.6/18

Left In: 487.469 $\pm$ 2892.171 χ^2 /NDF:8.8/14

Left: 794.880 $\pm$ 1968.900 χ^2 /NDF: 26.2/30

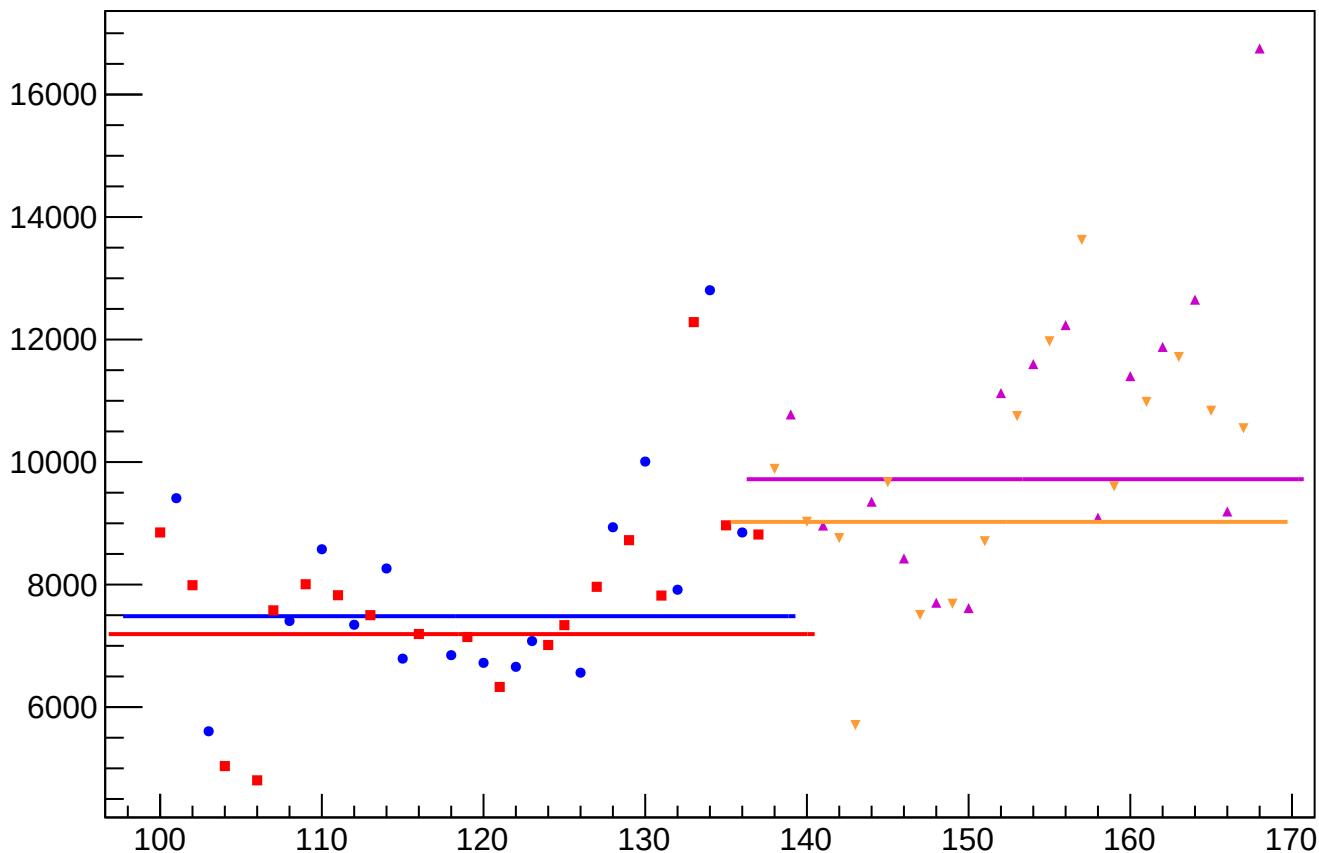
Right: 4573.057 $\pm$ 2025.948 χ^2 /NDF: 30.2/35

In: 2819.077 $\pm$ 2063.898 χ^2 /NDF:24.6/31

Out: 2463.702 $\pm$ 1935.871 χ^2 /NDF:33.5/34

All: 2630.026 $\pm$ 1411.960 χ^2 /NDF: 58.1/66

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7483.785+/-2.083 χ^2/NDF : 431806.2/16

Left Out: 9023.437+/-1.901 χ^2/NDF : 1095419.1/15

Right Out: 7191.451+/-1.973 χ^2/NDF : 558753.1/18

Left In: 9719.885+/-2.045 χ^2/NDF : 898189.9/14

Left: 9346.203+/-1.392 χ^2/NDF : 2055835.0/30

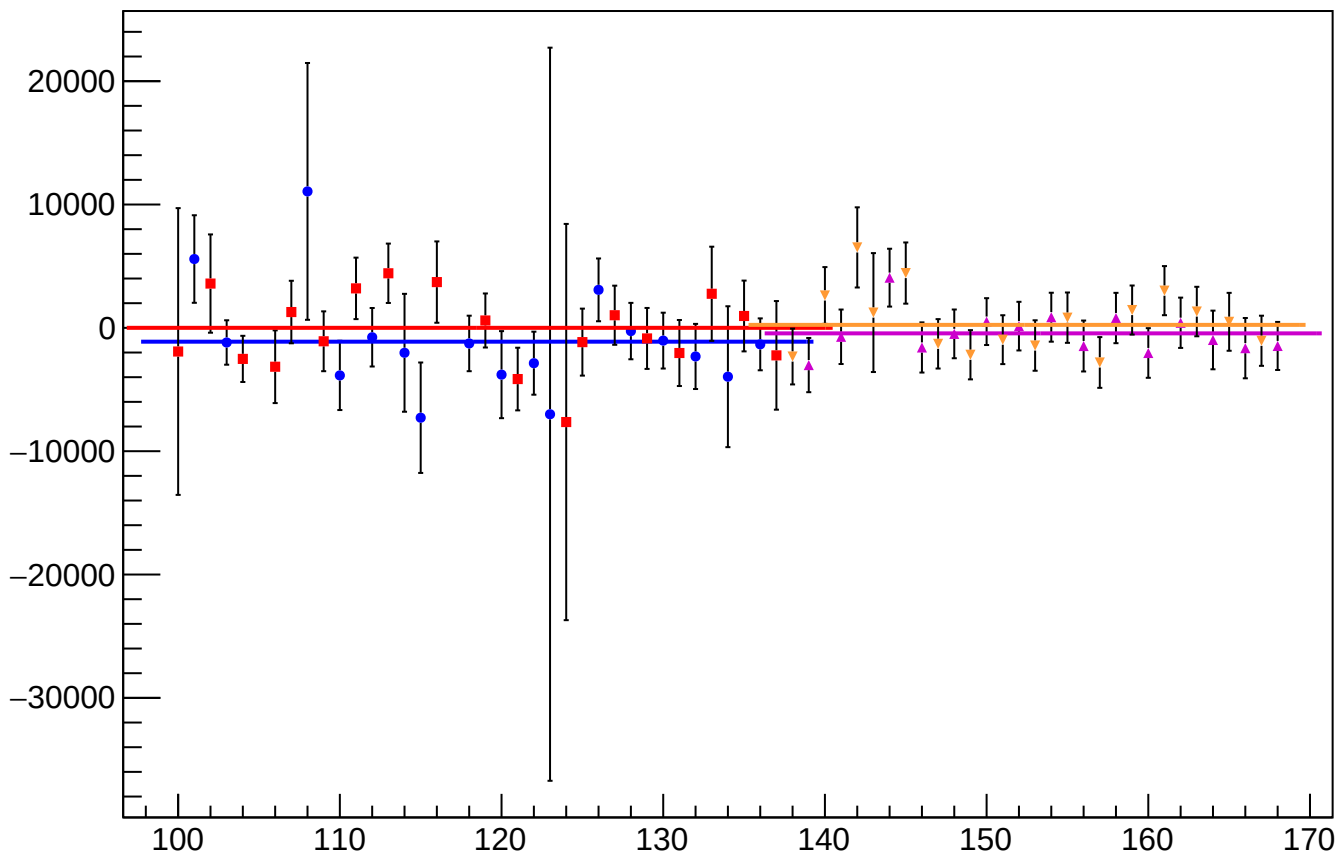
Right: 7329.673+/-1.432 χ^2/NDF : 1000940.7/35

In: 8622.485+/-1.459 χ^2/NDF : 1916726.1/31

Out: 8141.590+/-1.369 χ^2/NDF : 2101381.9/34

All: 8366.649+/-0.998 χ^2/NDF : 4075874.5/66

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -1120.496 ± 679.161 χ^2/NDF : 12.3/16

Left Out: 241.928 ± 547.866 χ^2/NDF : 17.4/15

Right Out: 2.515 ± 639.678 χ^2/NDF : 15.5/18

Left In: -446.184 ± 538.358 χ^2/NDF : 8.2/14

Left: -108.151 ± 383.994 χ^2/NDF : 26.4/30

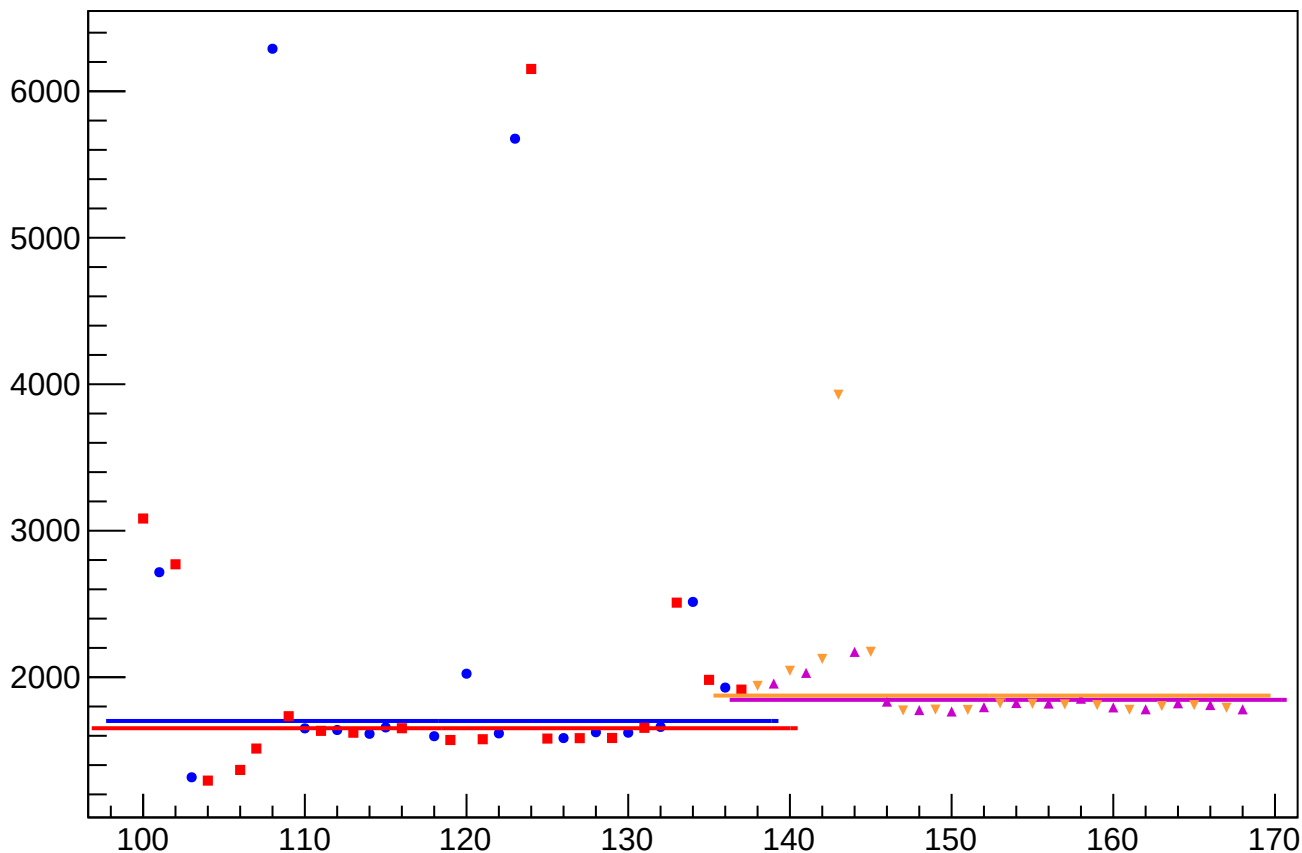
Right: -525.400 ± 465.654 χ^2/NDF : 29.2/35

In: -706.387 ± 421.889 χ^2/NDF : 21.0/31

Out: 140.621 ± 416.109 χ^2/NDF : 32.9/34

All: -277.041 ± 296.256 χ^2/NDF : 56.0/66

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1701.283+/-0.480 χ^2/NDF : 778718.7/16

Left Out: 1874.572+/-0.387 χ^2/NDF : 450102.6/15

Right Out: 1651.734+/-0.452 χ^2/NDF : 588842.2/18

Left In: 1845.421+/-0.381 χ^2/NDF : 72077.0/14

Left: 1859.742+/-0.272 χ^2/NDF : 525060.2/30

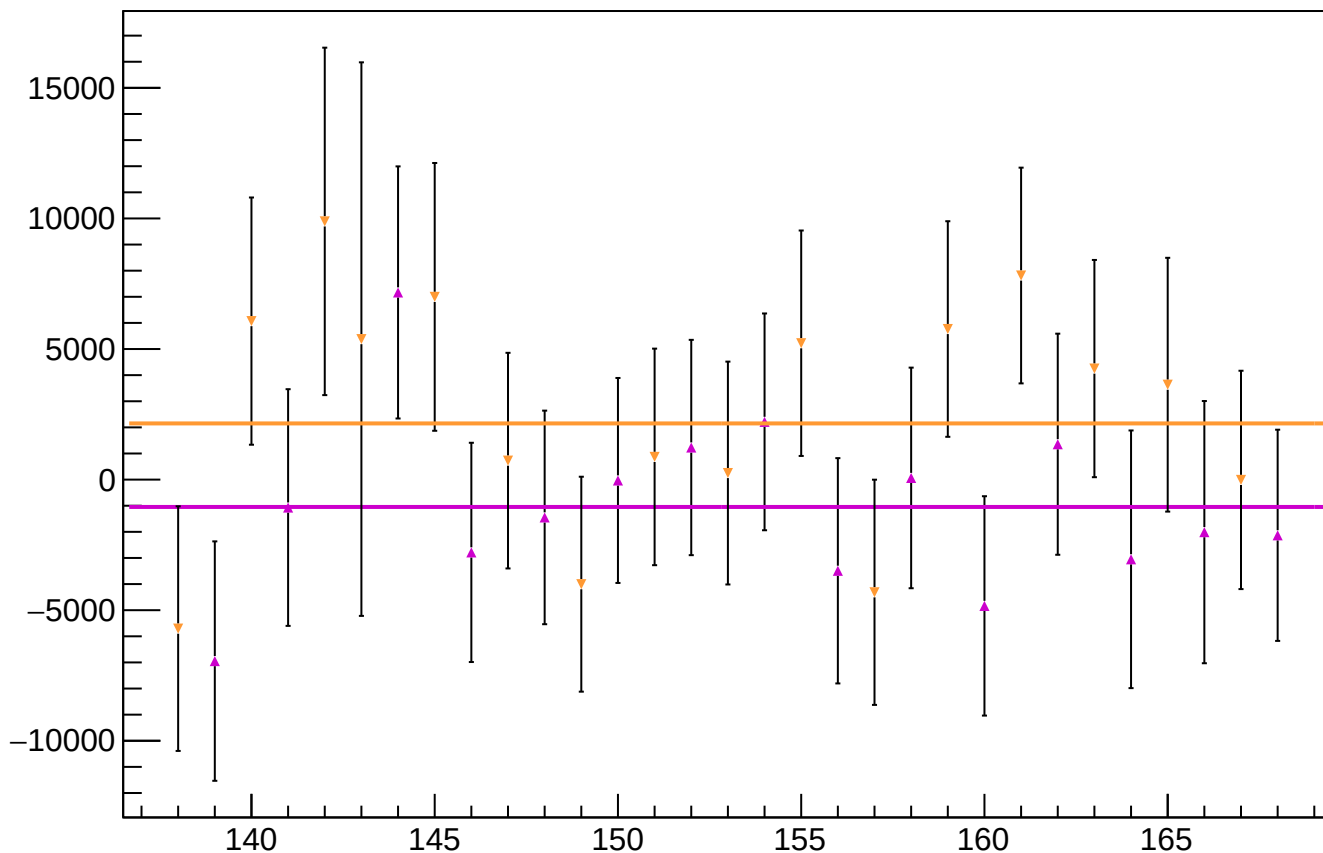
Right: 1675.026+/-0.329 χ^2/NDF : 1373201.9/35

In: 1789.801+/-0.298 χ^2/NDF : 906118.1/31

Out: 1780.279+/-0.294 χ^2/NDF : 1178952.4/34

All: 1784.974+/-0.209 χ^2/NDF : 2085587.0/66

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 2151.372+/-1137.539 χ^2/NDF :14.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1046.948+/-1116.726 χ^2/NDF :7.5/14

Left: 522.685+/-796.901 χ^2/NDF : 26.1/30

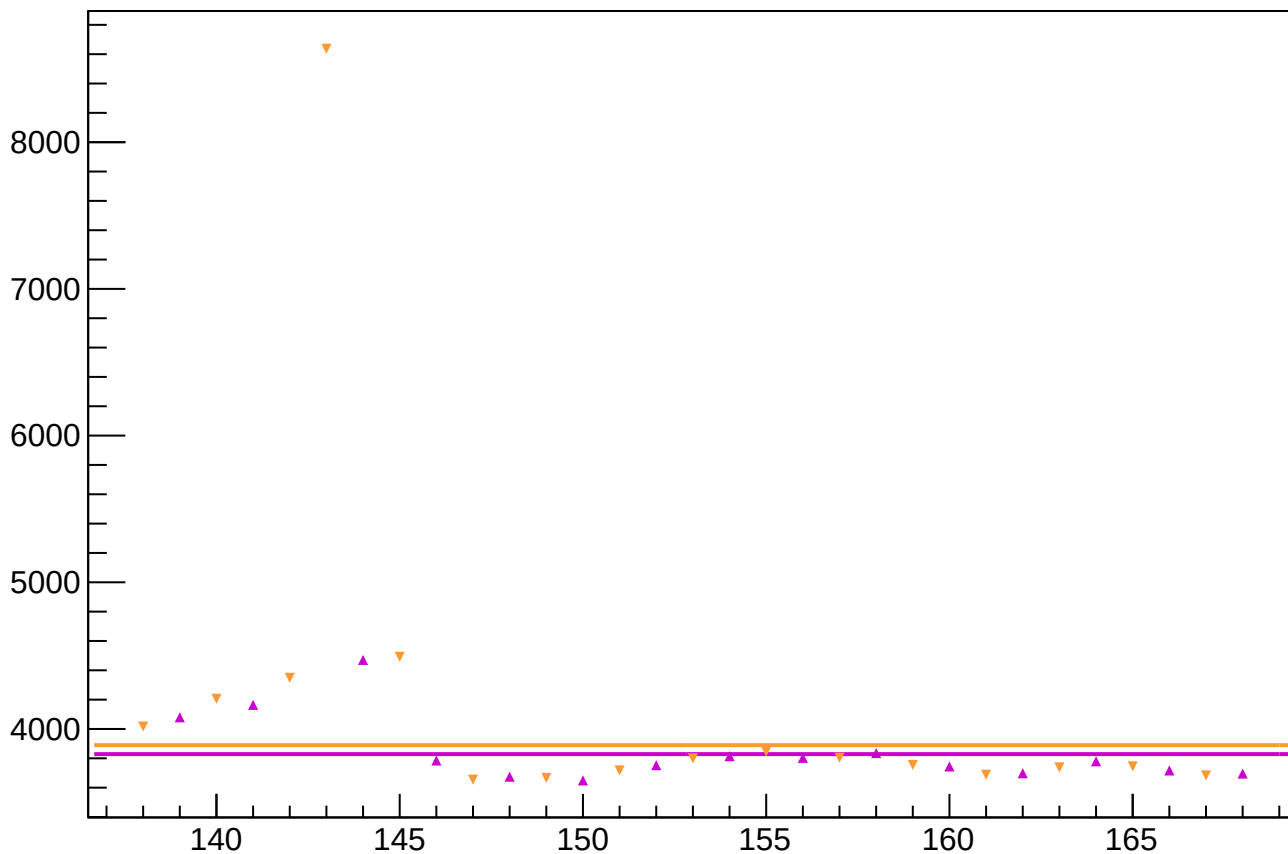
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1046.948+/-1116.726 χ^2/NDF :7.5/14

Out: 2151.372+/-1137.539 χ^2/NDF :14.5/15

All: 522.685+/-796.901 χ^2/NDF : 26.1/30

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 3889.776+/-0.804 χ^2/NDF : 482708.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 3828.520+/-0.790 χ^2/NDF : 66402.6/14

Left: 3858.583+/-0.563 χ^2/NDF : 552064.6/30

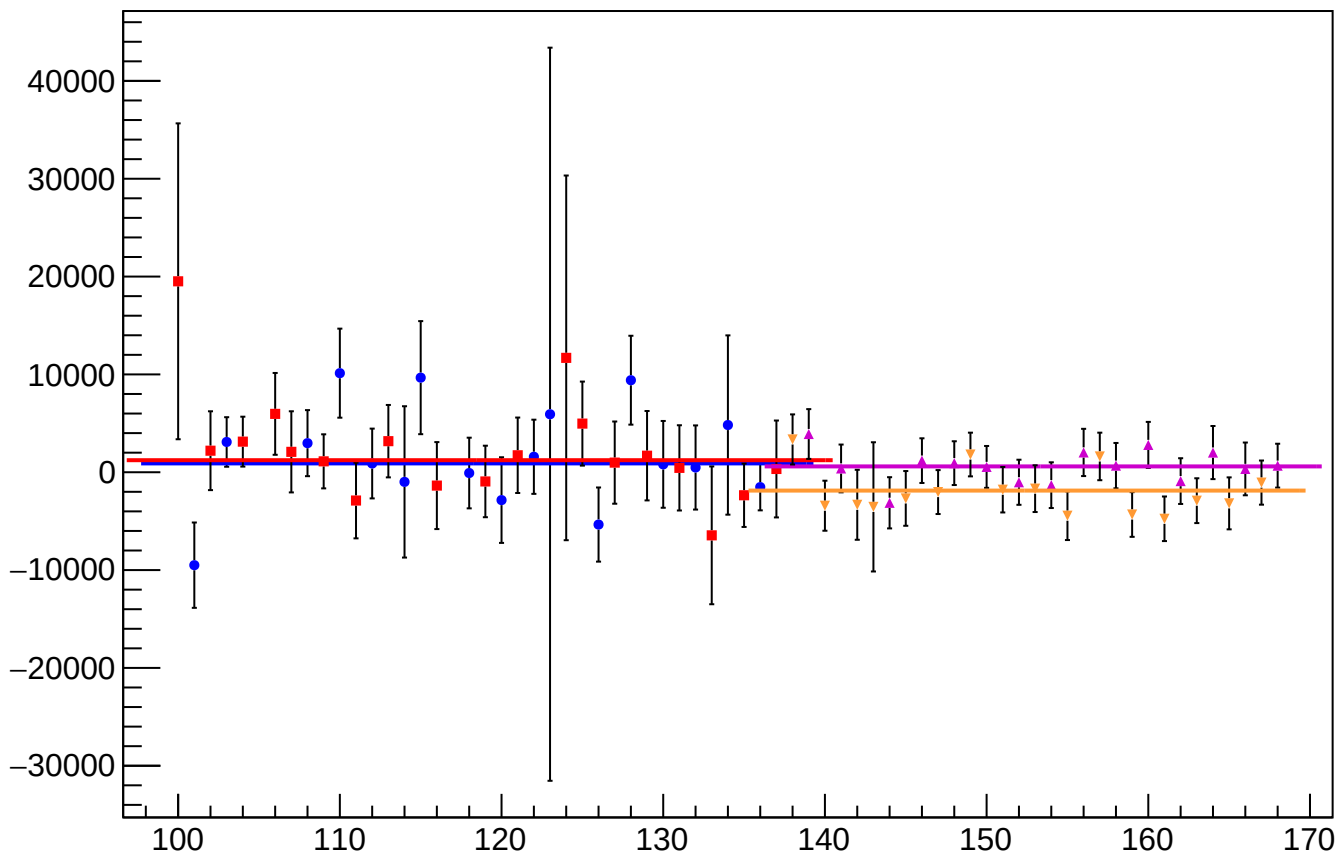
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3828.520+/-0.790 χ^2/NDF : 66402.6/14

Out: 3889.776+/-0.804 χ^2/NDF : 482708.7/15

All: 3858.583+/-0.563 χ^2/NDF : 552064.6/30

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 903.274 $\pm$ 961.918 χ^2/NDF : 21.6/16

Left Out: -1874.693 $\pm$ 627.747 χ^2/NDF : 14.0/15

Right Out: 1231.015 $\pm$ 925.029 χ^2/NDF : 8.9/18

Left In: 596.368 $\pm$ 615.085 χ^2/NDF : 6.9/14

Left: -613.990 $\pm$ 439.339 χ^2/NDF : 28.8/30

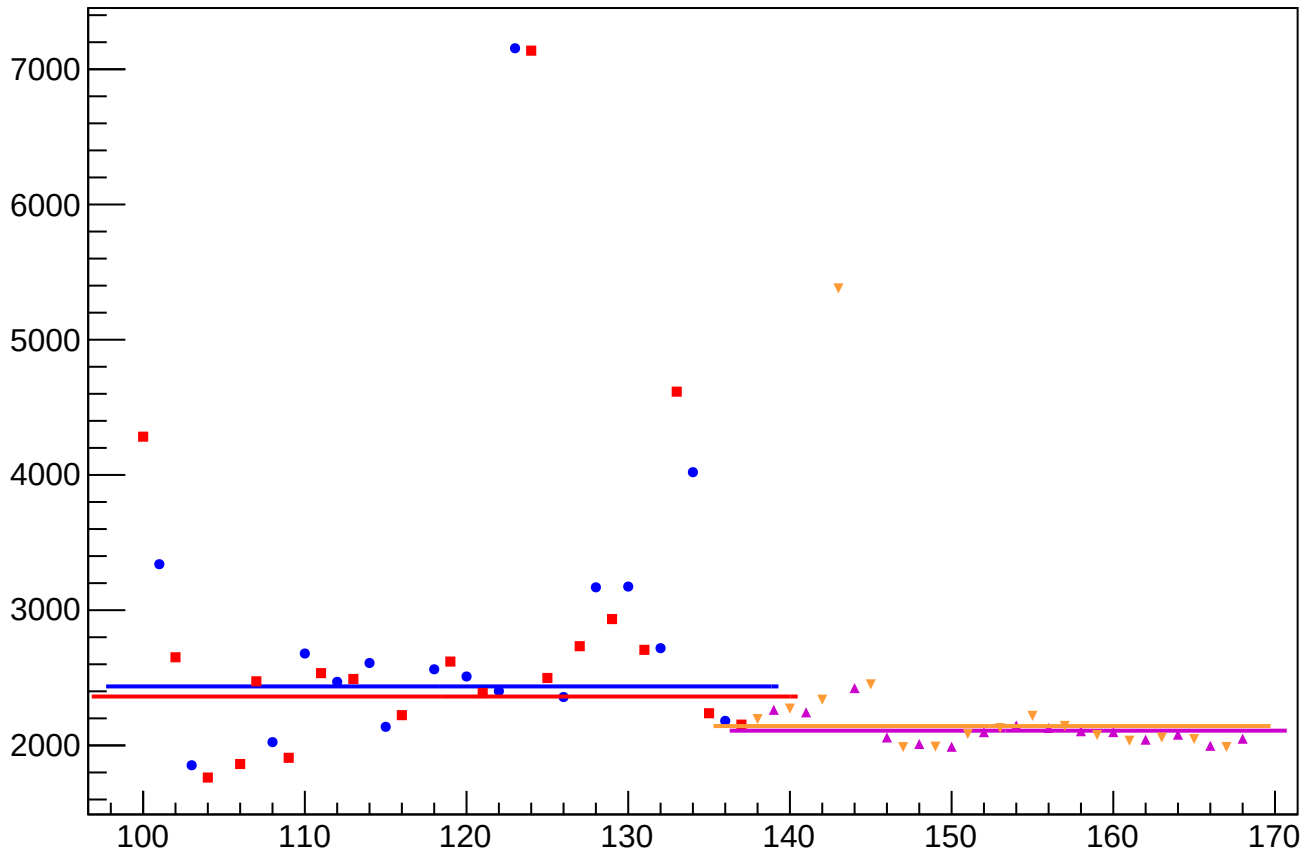
Right: 1073.549 $\pm$ 666.754 χ^2/NDF : 30.6/35

In: 685.437 $\pm$ 518.201 χ^2/NDF : 28.6/31

Out: -895.410 $\pm$ 519.433 χ^2/NDF : 30.7/34

All: -103.110 $\pm$ 366.858 χ^2/NDF : 63.9/66

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.256 $\pm$ 0.680 χ^2/NDF : 468552.3/16

Left Out: 2143.119 $\pm$ 0.444 χ^2/NDF : 559731.3/15

Right Out: 2361.558 $\pm$ 0.654 χ^2/NDF : 655845.9/18

Left In: 2108.996 $\pm$ 0.435 χ^2/NDF : 60912.0/14

Left: 2125.710 $\pm$ 0.311 χ^2/NDF : 623658.4/30

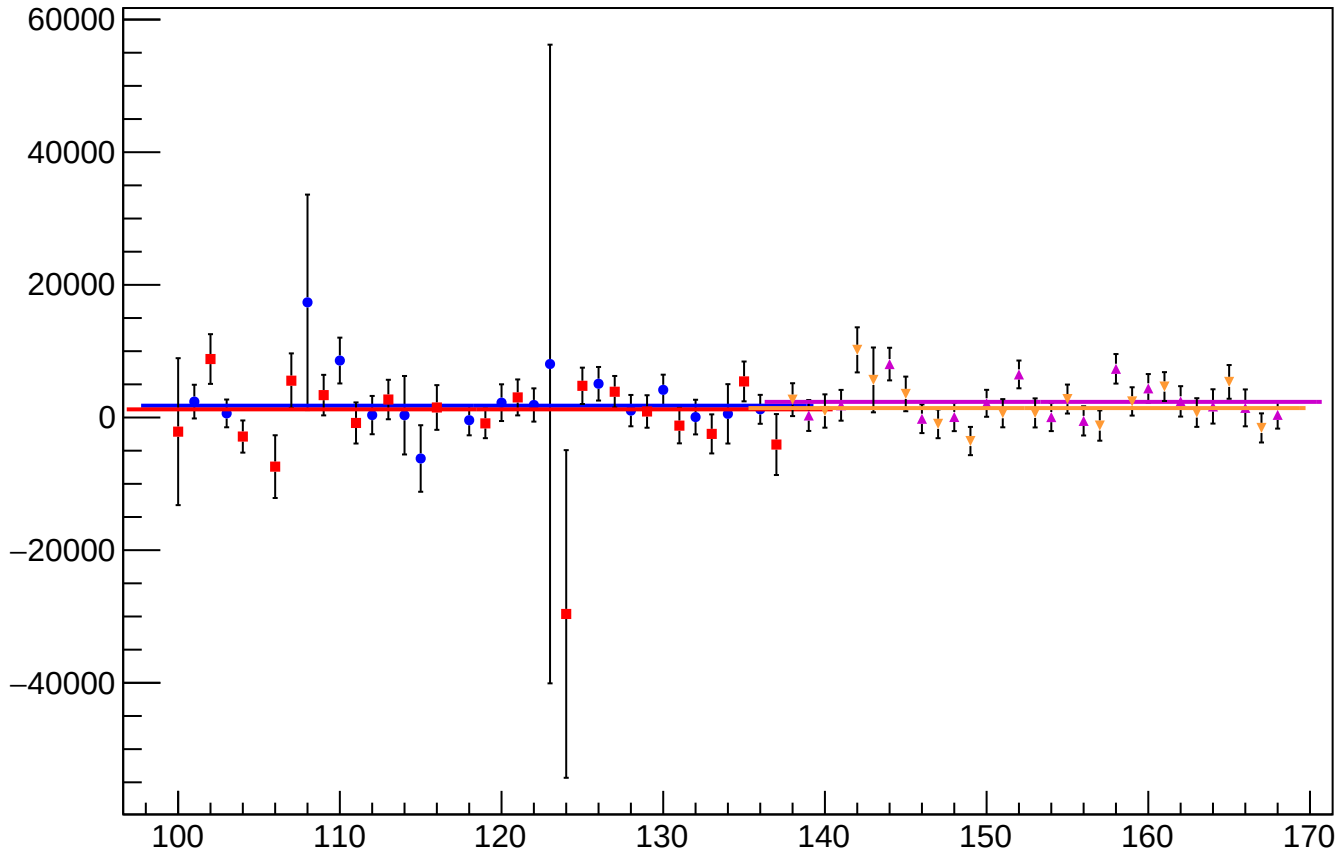
Right: 2397.448 $\pm$ 0.471 χ^2/NDF : 1130664.2/35

In: 2203.973 $\pm$ 0.366 χ^2/NDF : 693776.0/31

Out: 2211.997 $\pm$ 0.367 χ^2/NDF : 1291938.2/34

All: 2207.975 $\pm$ 0.259 χ^2/NDF : 1985953.4/66

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1783.505 $\pm$ 694.403 χ^2 /NDF: 12.4/16

Left Out: 1420.951 $\pm$ 590.487 χ^2 /NDF:23.8/15

Right Out: 1229.293 $\pm$ 708.144 χ^2 /NDF: 24.2/18

Left In: 2357.570 $\pm$ 578.637 χ^2 /NDF:22.5/14

Left: 1898.754 $\pm$ 413.284 χ^2 /NDF: 47.6/30

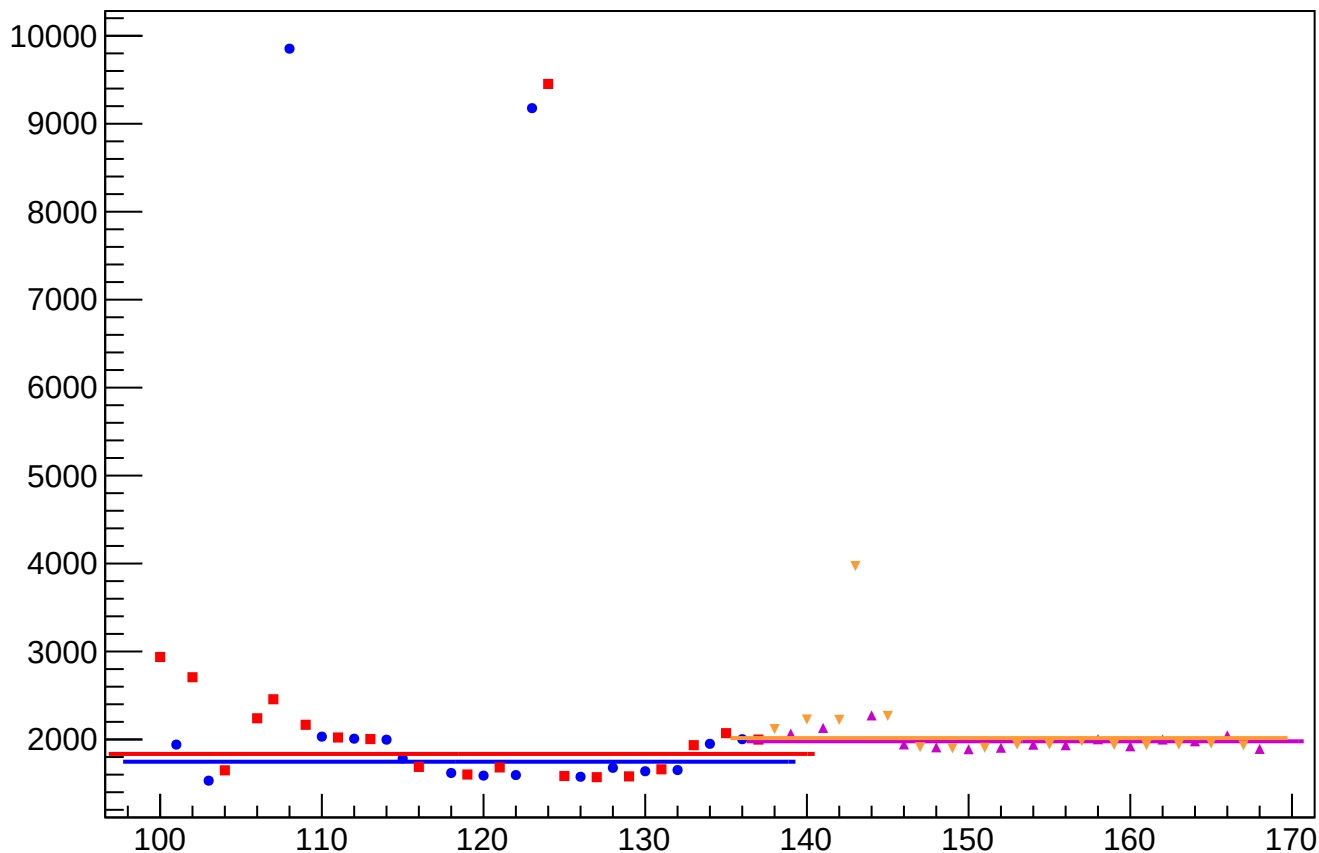
Right: 1511.828 $\pm$ 495.804 χ^2 /NDF: 37.0/35

In: 2122.313 $\pm$ 444.531 χ^2 /NDF:35.3/31

Out: 1342.345 $\pm$ 453.509 χ^2 /NDF:48.1/34

All: 1740.126 $\pm$ 317.458 χ^2 /NDF: 84.9/66

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1746.836+/-0.491 χ^2 /NDF: 682484.5/16

Left Out: 2015.642+/-0.418 χ^2 /NDF: 396614.1/15

Right Out: 1835.413+/-0.500 χ^2 /NDF: 550402.9/18

Left In: 1978.872+/-0.409 χ^2 /NDF: 56935.5/14

Left: 1996.884+/-0.292 χ^2 /NDF: 457505.7/30

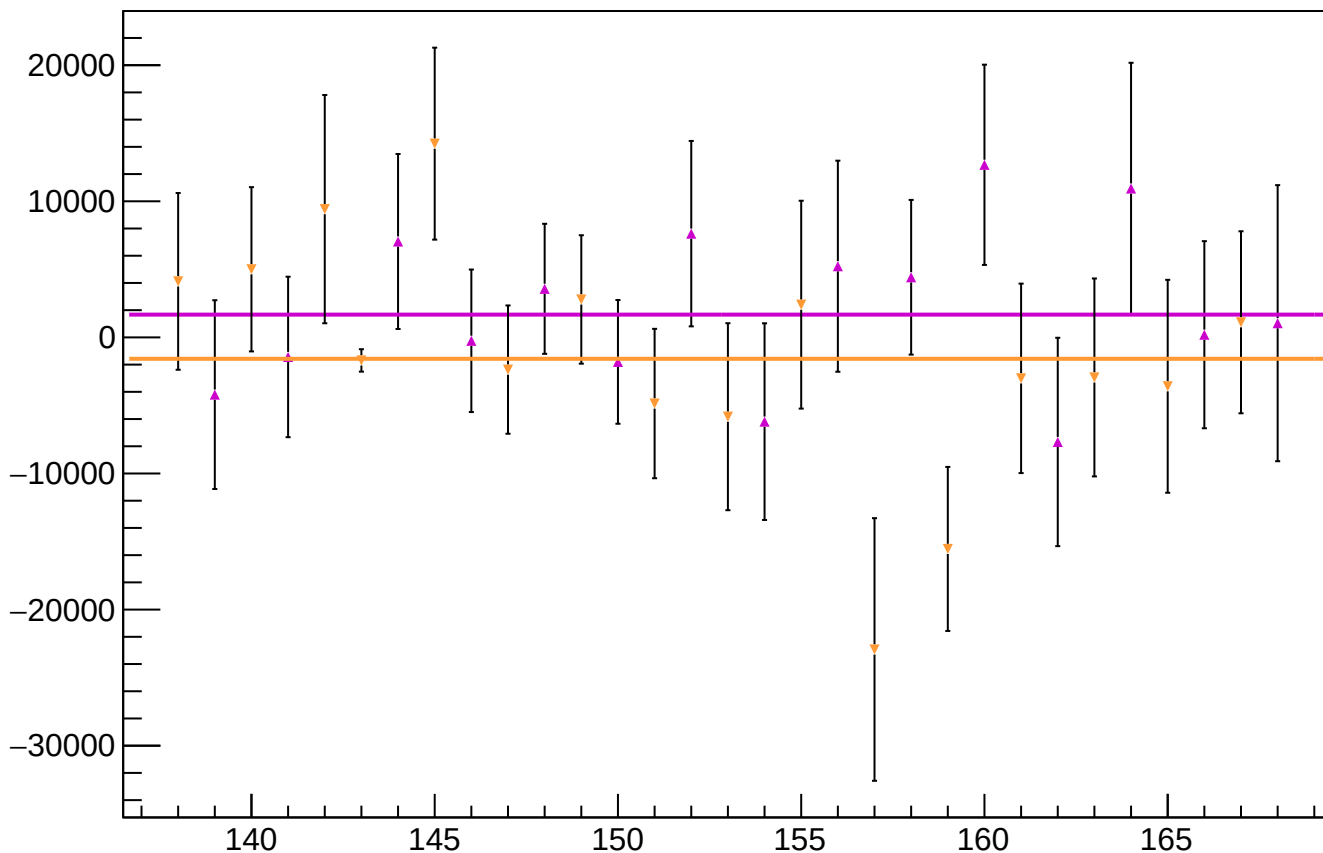
Right: 1790.310+/-0.350 χ^2 /NDF: 1248859.1/35

In: 1883.782+/-0.314 χ^2 /NDF: 871218.0/31

Out: 1941.619+/-0.321 χ^2 /NDF: 1023541.3/34

All: 1912.136+/-0.224 χ^2 /NDF: 1911357.4/66

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1572.776+/-738.172 χ^2/NDF :21.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1672.788+/-1646.431 χ^2/NDF :9.8/14

Left: -1029.564+/-673.571 χ^2/NDF : 34.2/30

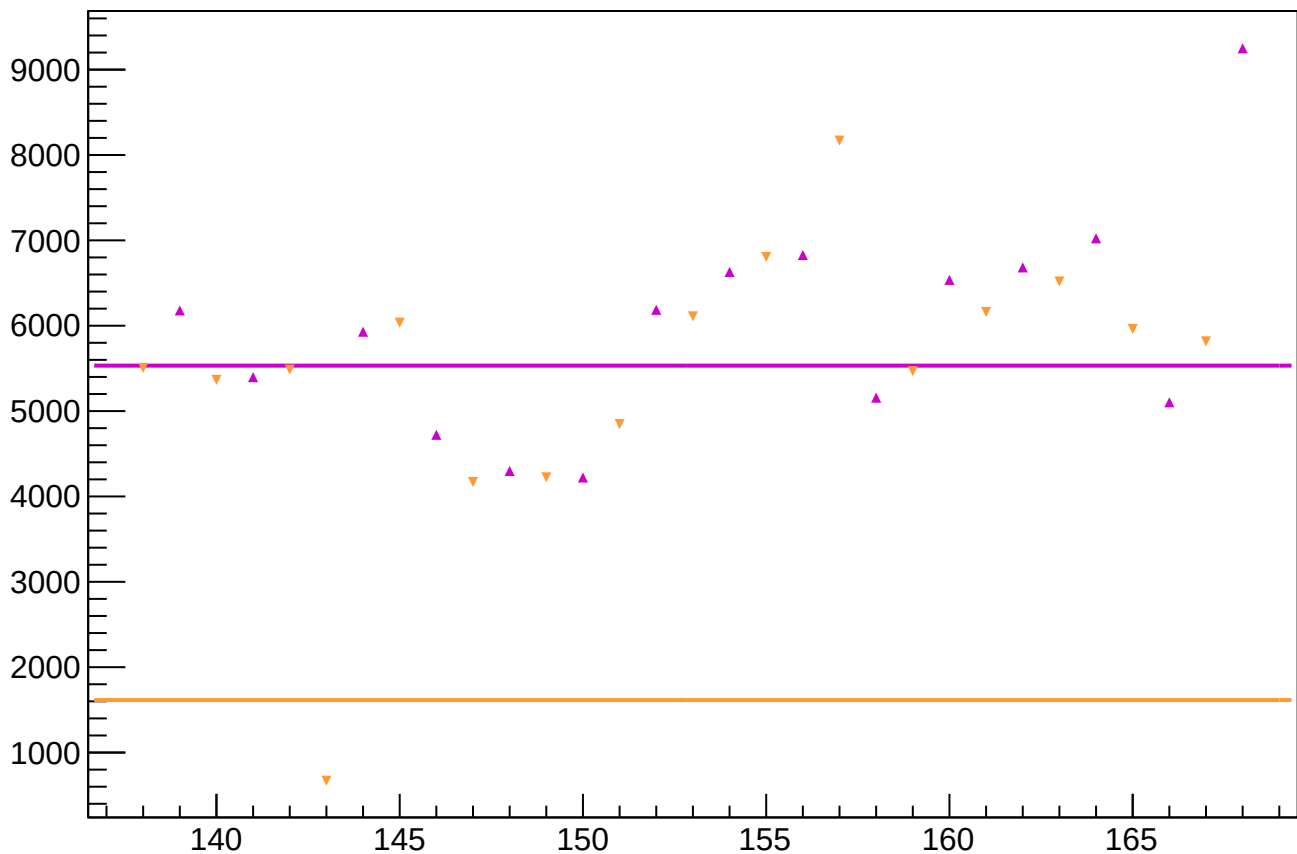
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1672.788+/-1646.431 χ^2/NDF :9.8/14

Out: -1572.776+/-738.172 χ^2/NDF :21.2/15

All: -1029.564+/-673.571 χ^2/NDF : 34.2/30

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1614.893+/-0.522 χ^2/NDF :13914624.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 5532.554+/-1.164 χ^2/NDF :913771.1/14

Left: 2270.595+/-0.476 χ^2/NDF : 24257016.7/30

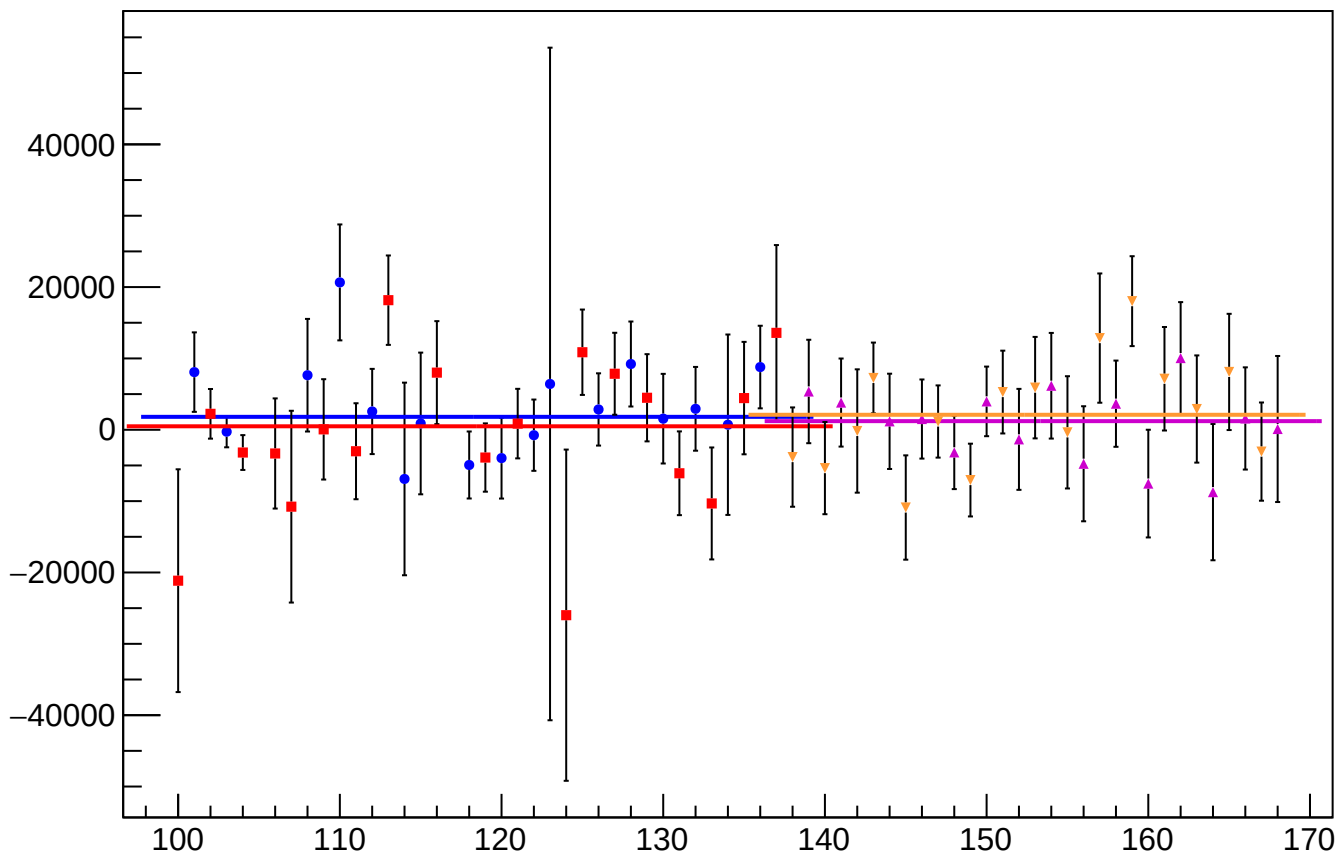
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5532.554+/-1.164 χ^2/NDF :913771.1/14

Out: 1614.893+/-0.522 χ^2/NDF :13914624.9/15

All: 2270.595+/-0.476 χ^2/NDF : 24257016.7/30

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1814.267+/-1301.312 χ^2/NDF : 15.0/16

Left Out: 2102.280+/-1642.199 χ^2/NDF : 19.7/15

Right Out: 488.360+/-1286.073 χ^2/NDF : 26.5/18

Left In: 1210.300+/-1728.100 χ^2/NDF : 6.6/14

Left: 1679.010+/-1190.420 χ^2/NDF : 26.4/30

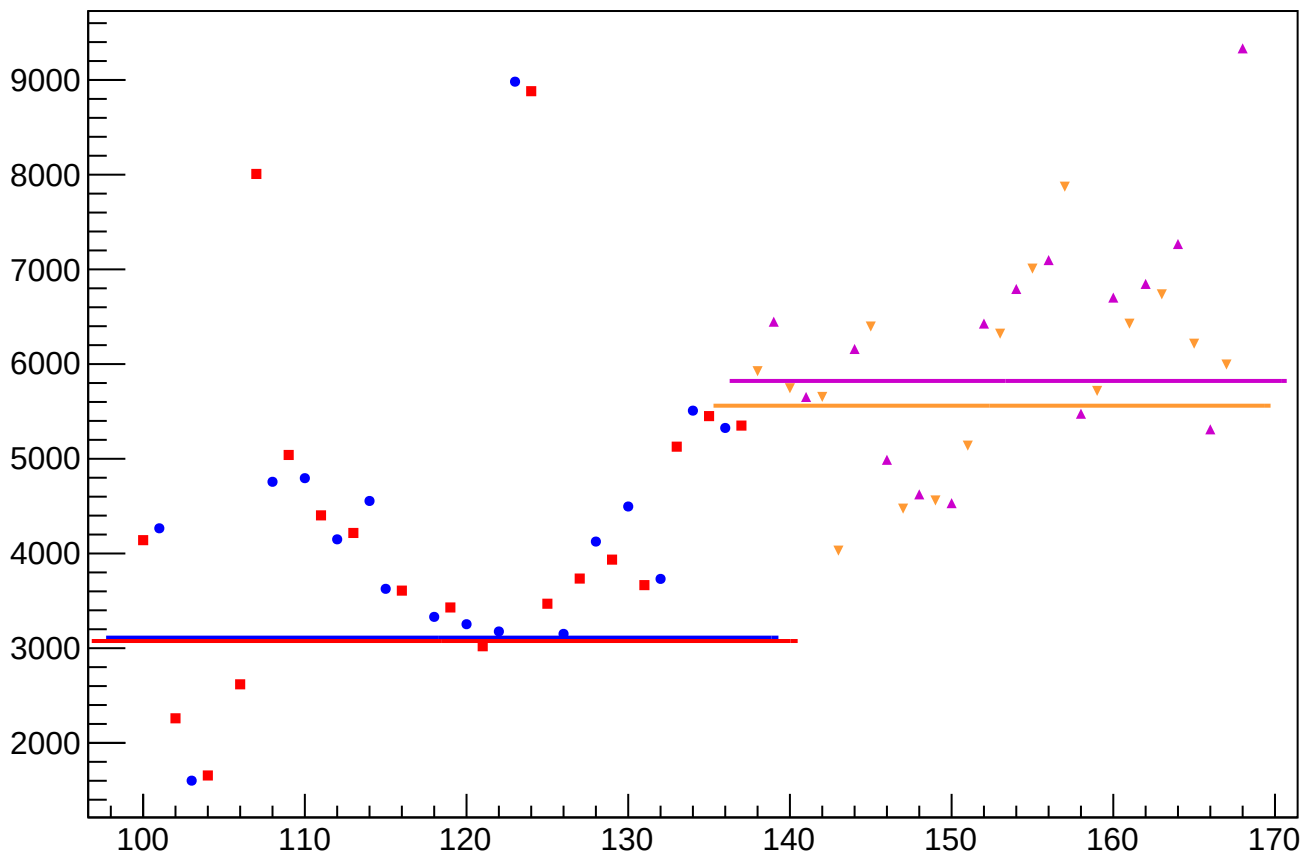
Right: 1143.505+/-914.731 χ^2/NDF : 42.0/35

In: 1595.716+/-1039.535 χ^2/NDF : 21.6/31

Out: 1101.901+/-1012.528 χ^2/NDF : 46.8/34

All: 1342.310+/-725.325 χ^2/NDF : 68.6/66

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3111.560 $\pm$ 0.920 χ^2 /NDF: 1878991.5/16

Left Out: 5560.607 $\pm$ 1.161 χ^2 /NDF: 724338.7/15

Right Out: 3075.800 $\pm$ 0.896 χ^2 /NDF: 2009557.4/18

Left In: 5822.004 $\pm$ 1.222 χ^2 /NDF: 773547.7/14

Left: 5684.648 $\pm$ 0.842 χ^2 /NDF: 1521932.4/30

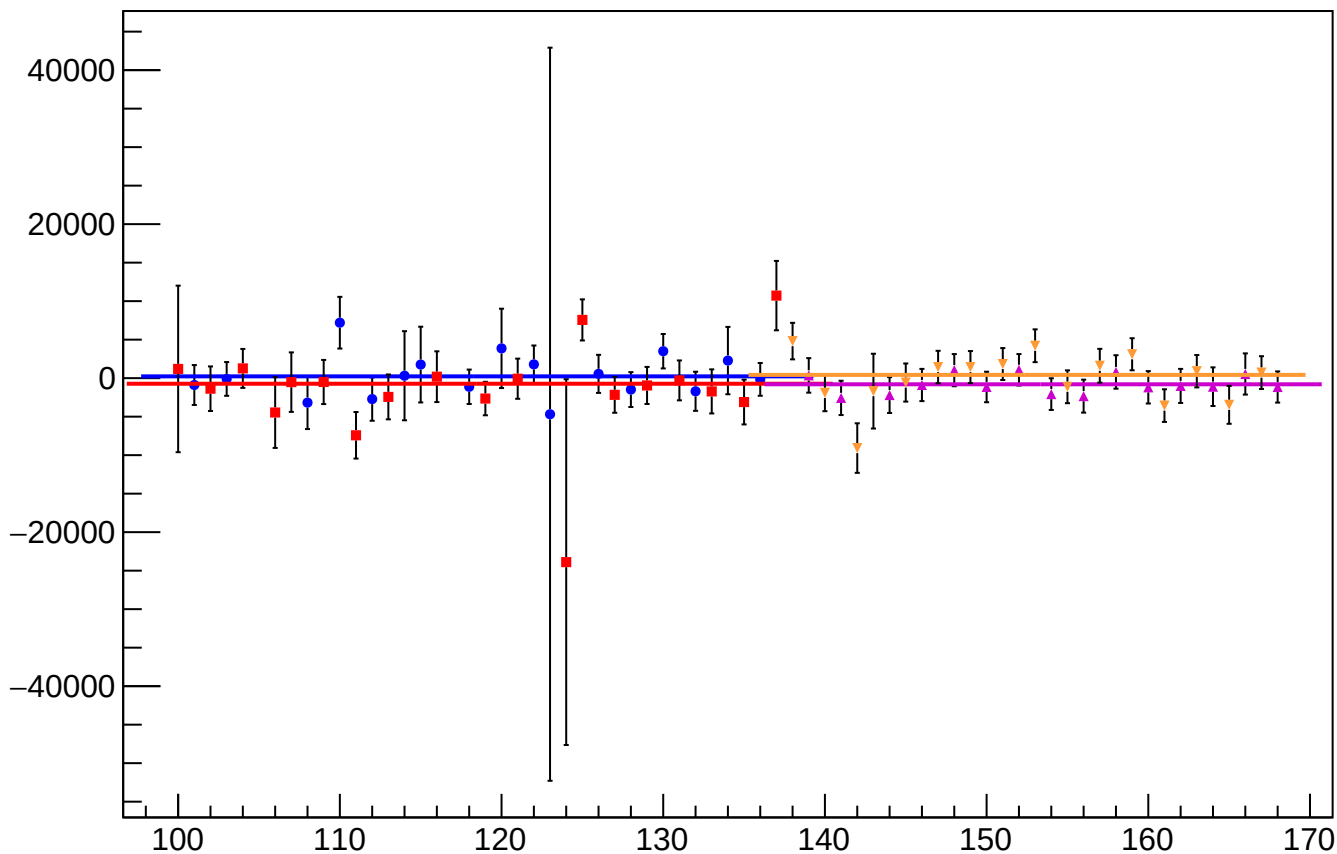
Right: 3093.209 $\pm$ 0.642 χ^2 /NDF: 3889323.9/35

In: 4092.356 $\pm$ 0.735 χ^2 /NDF: 5792257.2/31

Out: 4003.402 $\pm$ 0.709 χ^2 /NDF: 5603465.8/34

All: 4046.305 $\pm$ 0.510 χ^2 /NDF: 11403304.5/66

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 232.323+/-686.786 χ^2 /NDF: 11.5/16

Left Out: 420.718+/-571.830 χ^2 /NDF:26.1/15

Right Out: -726.169+/-684.175 χ^2 /NDF: 25.8/18

Left In: -797.885+/-561.033 χ^2 /NDF:4.7/14

Left: -200.196+/-400.473 χ^2 /NDF: 33.1/30

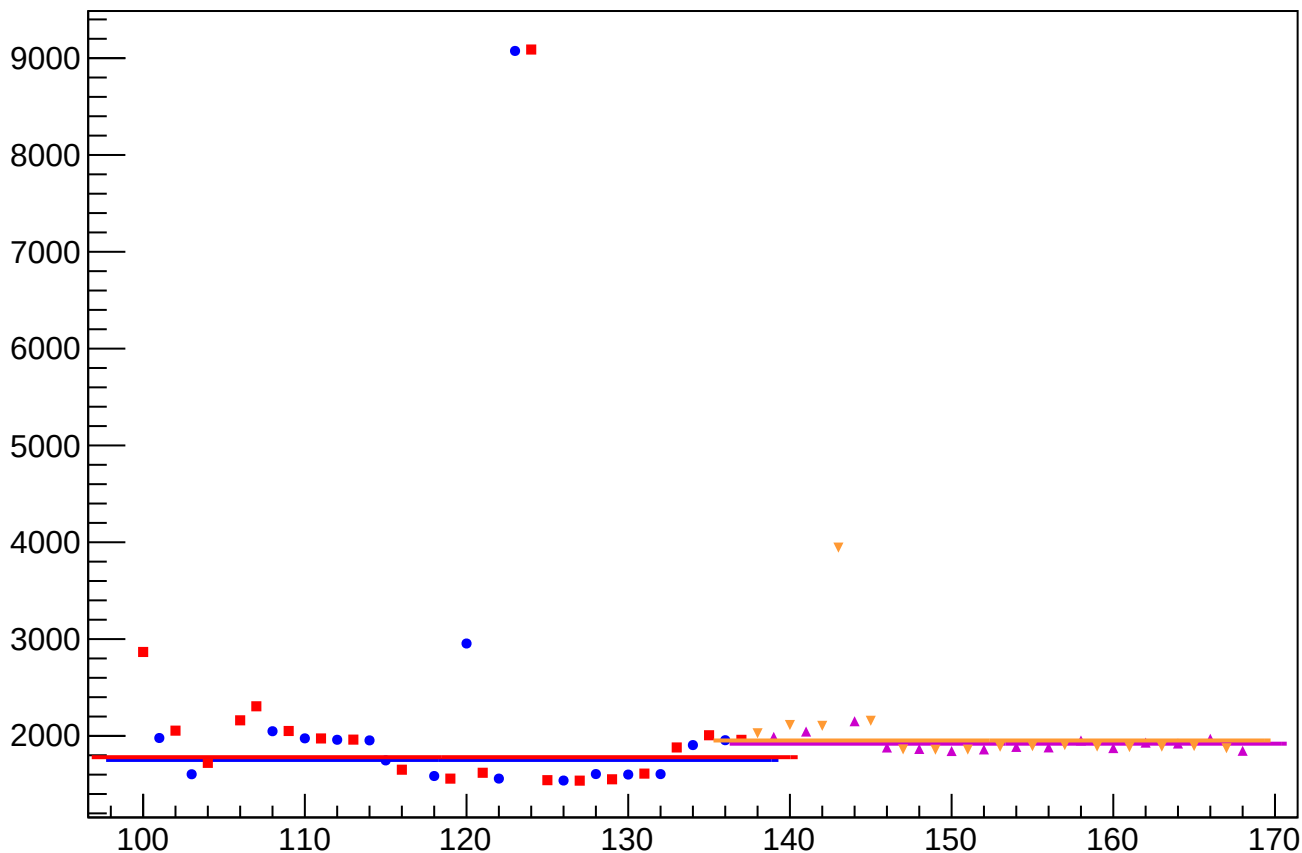
Right: -248.748+/-484.705 χ^2 /NDF: 38.3/35

In: -385.559+/-434.489 χ^2 /NDF:17.6/31

Out: -50.955+/-438.760 χ^2 /NDF:53.6/34

All: -219.893+/-308.729 χ^2 /NDF: 71.5/66

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1751.850+/-0.486 χ^2/NDF : 300898.3/16

Left Out: 1952.748+/-0.404 χ^2/NDF : 391633.9/15

Right Out: 1780.209+/-0.483 χ^2/NDF : 428327.5/18

Left In: 1919.670+/-0.397 χ^2/NDF : 40764.3/14

Left: 1935.893+/-0.283 χ^2/NDF : 435808.2/30

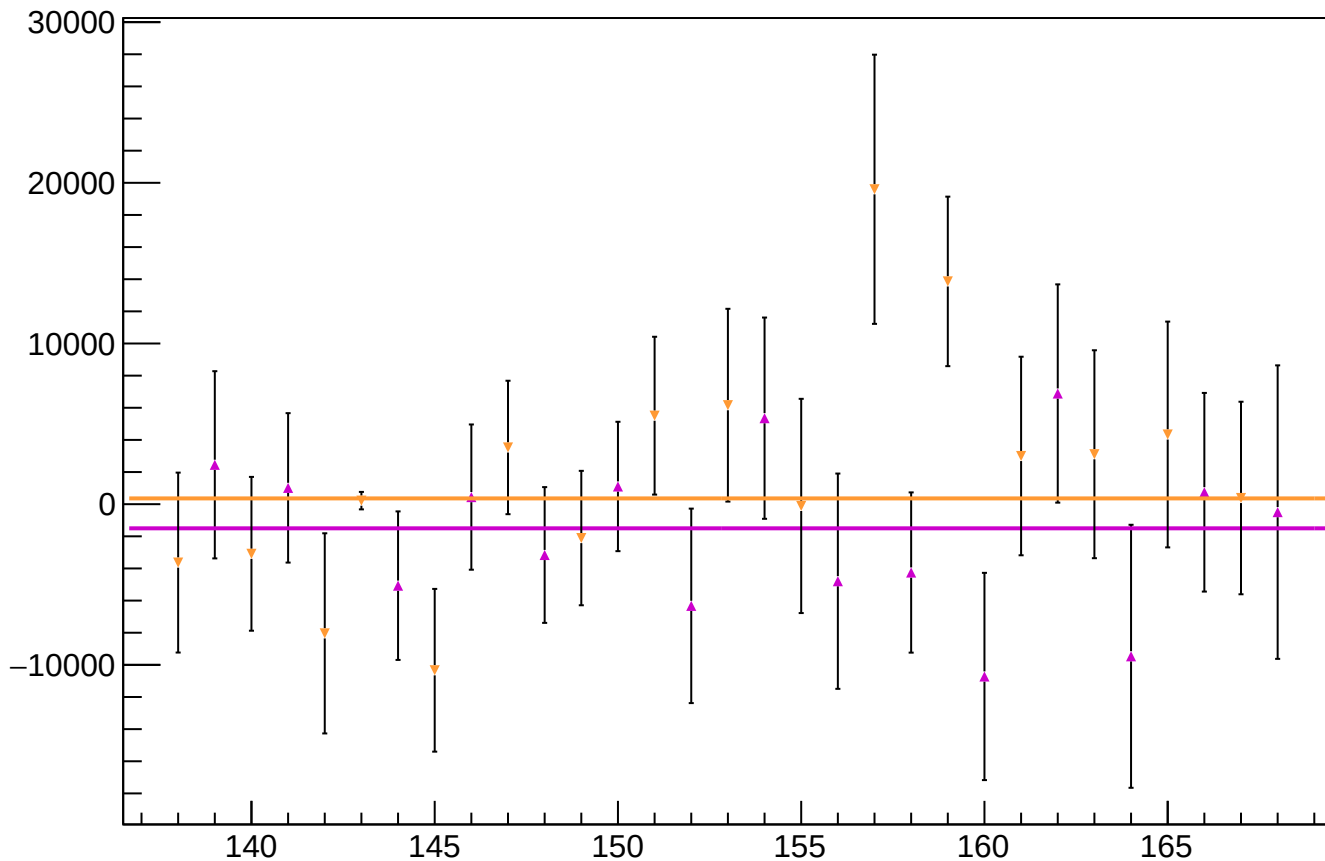
Right: 1766.106+/-0.342 χ^2/NDF : 730940.0/35

In: 1852.502+/-0.307 χ^2/NDF : 413285.7/31

Out: 1881.656+/-0.310 χ^2/NDF : 894985.5/34

All: 1866.946+/-0.218 χ^2/NDF : 1312732.3/66

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 359.231+/-507.142 χ^2/NDF :22.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1502.533+/-1409.553 χ^2/NDF :9.1/14

Left: 145.850+/-477.196 χ^2/NDF : 33.5/30

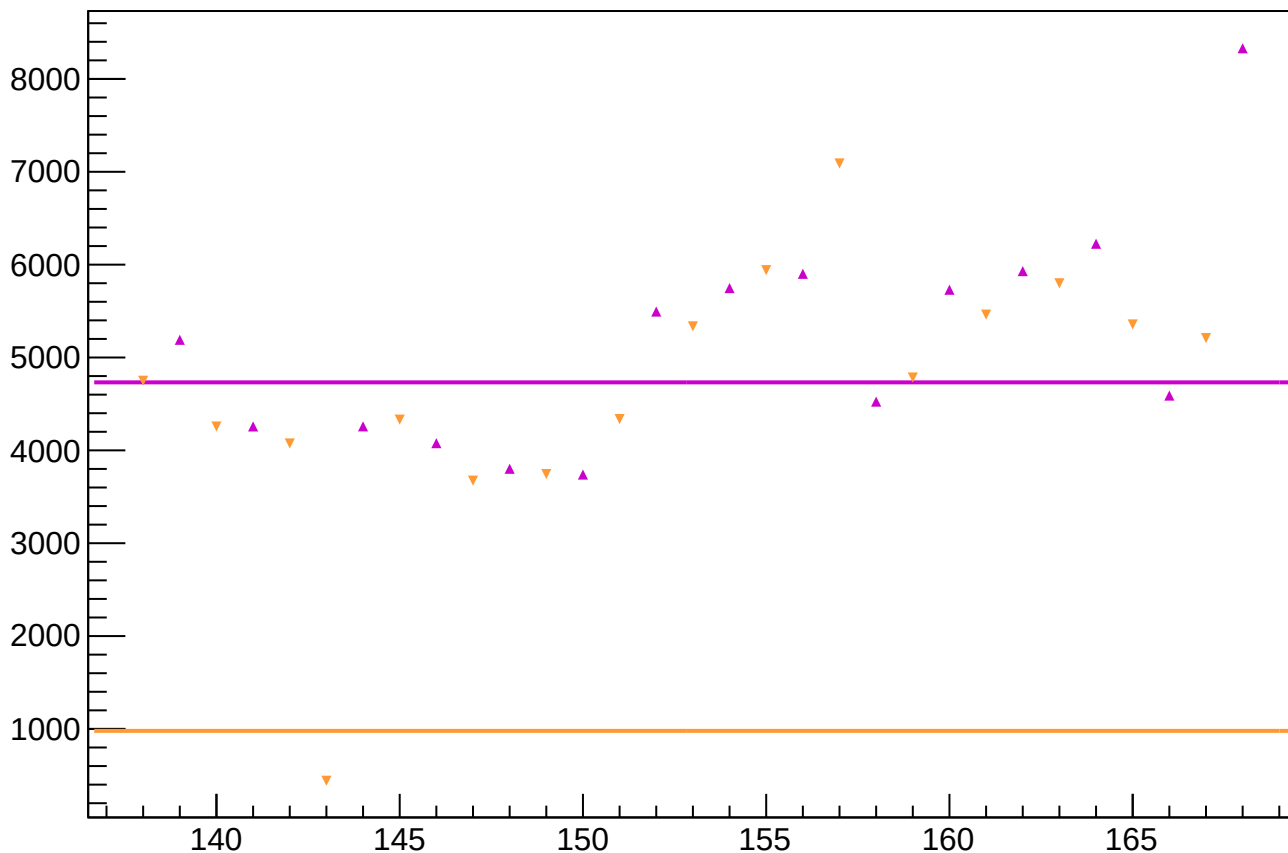
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1502.533+/-1409.553 χ^2/NDF :9.1/14

Out: 359.231+/-507.142 χ^2/NDF :22.9/15

All: 145.850+/-477.196 χ^2/NDF : 33.5/30

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left Out: 979.081+/-0.359 χ^2 /NDF:16030080.5/15

Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: 4732.249+/-0.997 χ^2 /NDF:951680.7/14

Left: 1409.240+/-0.337 χ^2 /NDF: 29536188.0/30

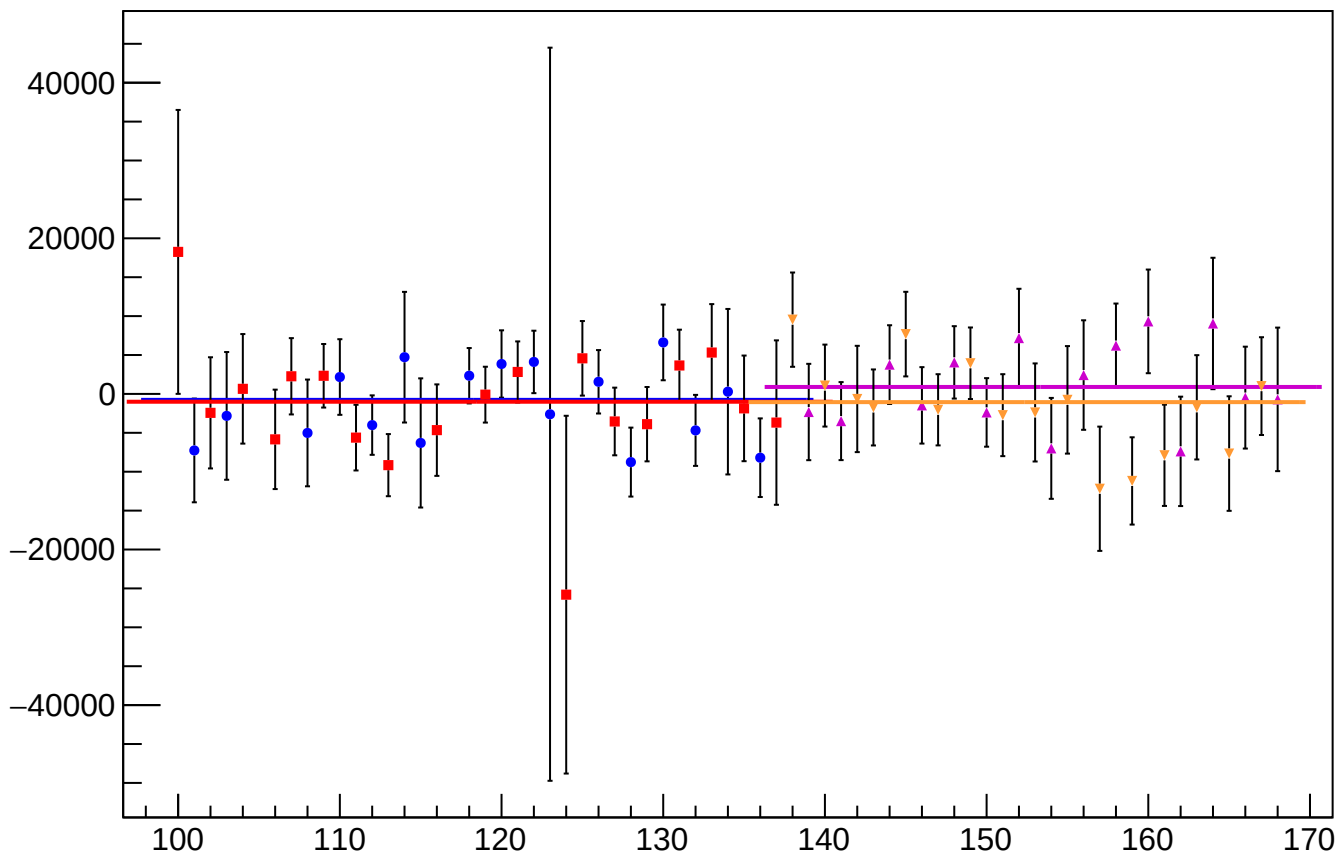
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 4732.249+/-0.997 χ^2 /NDF:951680.7/14

Out: 979.081+/-0.359 χ^2 /NDF:16030080.5/15

All: 1409.240+/-0.337 χ^2 /NDF: 29536188.0/30

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -765.107 $\pm$ 1247.704 χ^2 /NDF: 15.5/16

Left Out: -1055.251 $\pm$ 1451.382 χ^2 /NDF:14.4/15

Right Out: -1004.792 $\pm$ 1191.116 χ^2 /NDF: 15.0/18

Left In: 894.298 $\pm$ 1509.341 χ^2 /NDF:10.1/14

Left: -118.626 $\pm$ 1046.172 χ^2 /NDF: 25.4/30

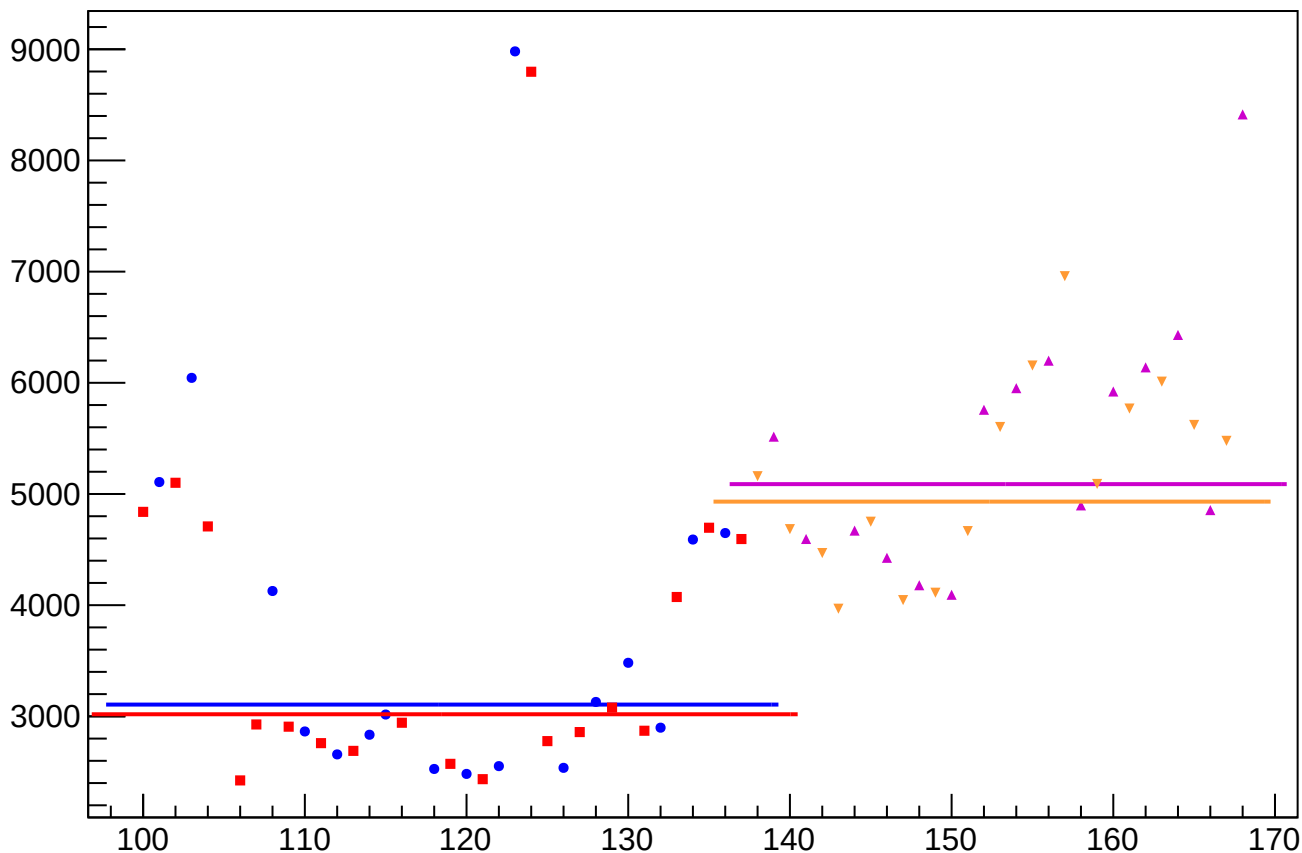
Right: -890.508 $\pm$ 861.557 χ^2 /NDF: 30.6/35

In: -91.473 $\pm$ 961.664 χ^2 /NDF:26.3/31

Out: -1025.099 $\pm$ 920.746 χ^2 /NDF:29.4/34

All: -578.571 $\pm$ 665.061 χ^2 /NDF: 56.3/66

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3105.849 $\pm$ 0.882 χ^2 /NDF: 959826.4/16

Left Out: 4931.368 $\pm$ 1.026 χ^2 /NDF: 573470.0/15

Right Out: 3018.781 $\pm$ 0.832 χ^2 /NDF: 794275.0/18

Left In: 5088.686 $\pm$ 1.067 χ^2 /NDF: 756128.3/14

Left: 5006.949 $\pm$ 0.740 χ^2 /NDF: 1340887.4/30

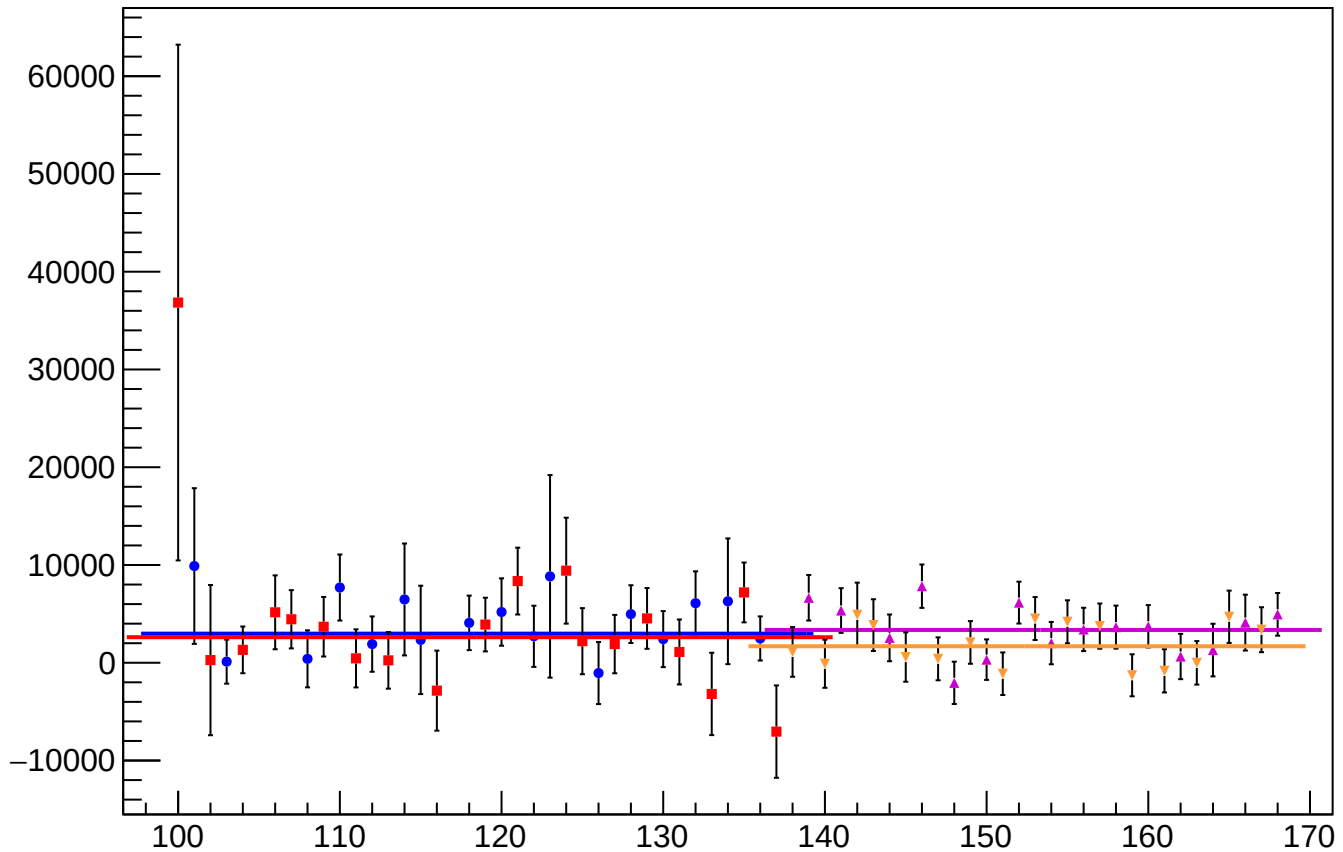
Right: 3059.752 $\pm$ 0.605 χ^2 /NDF: 1759257.8/35

In: 3910.776 $\pm$ 0.680 χ^2 /NDF: 3766429.3/31

Out: 3777.009 $\pm$ 0.646 χ^2 /NDF: 3463924.3/34

All: 3840.484 $\pm$ 0.468 χ^2 /NDF: 7250688.3/66

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2978.445 $\pm$ 795.398 χ^2 /NDF: 9.9/16

Left Out: 1687.749 $\pm$ 587.871 χ^2 /NDF:13.8/15

Right Out: 2613.881 $\pm$ 783.228 χ^2 /NDF: 19.6/18

Left In: 3356.423 $\pm$ 586.173 χ^2 /NDF:20.0/14

Left: 2524.500 $\pm$ 415.086 χ^2 /NDF: 37.9/30

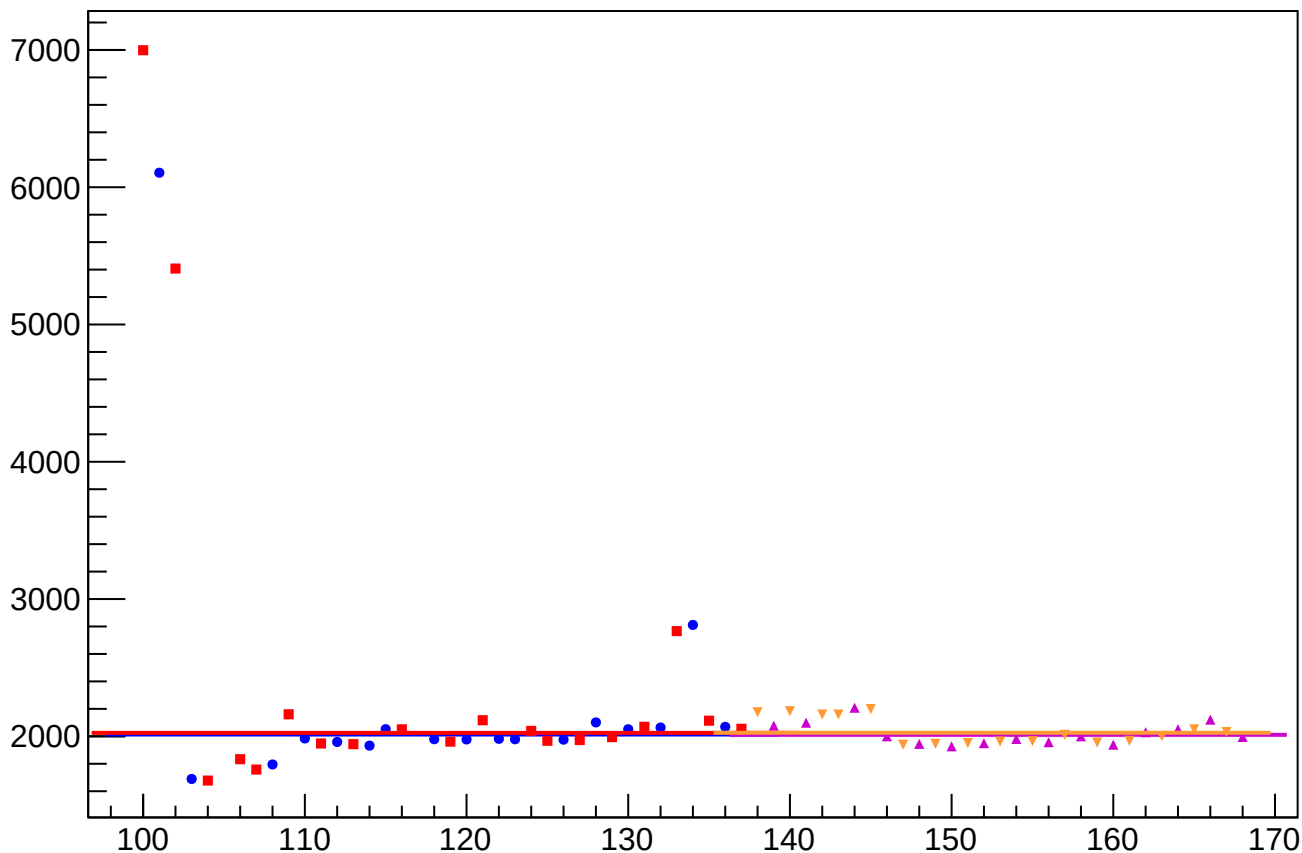
Right: 2793.353 $\pm$ 558.079 χ^2 /NDF: 29.6/35

In: 3223.391 $\pm$ 471.876 χ^2 /NDF:30.0/31

Out: 2021.484 $\pm$ 470.167 χ^2 /NDF:34.3/34

All: 2620.257 $\pm$ 333.061 χ^2 /NDF: 67.6/66

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 2012.945+/-0.562 χ^2/NDF : 617707.4/16

Left Out: 2025.900+/-0.416 χ^2/NDF : 48364.5/15

Right Out: 2025.070+/-0.554 χ^2/NDF : 597422.5/18

Left In: 2010.779+/-0.414 χ^2/NDF : 32552.9/14

Left: 2018.318+/-0.294 χ^2/NDF : 81580.9/30

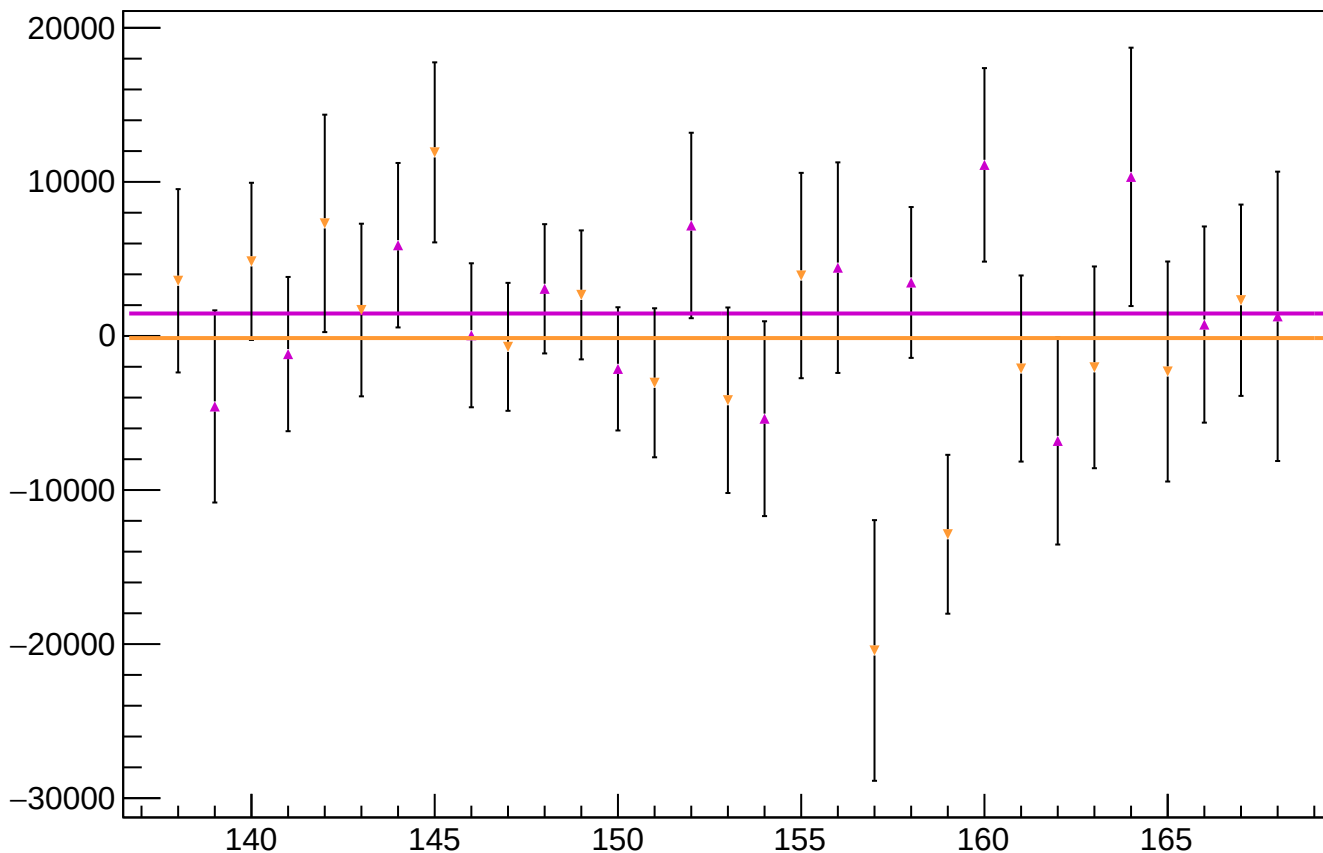
Right: 2019.103+/-0.395 χ^2/NDF : 1215366.0/35

In: 2011.541+/-0.334 χ^2/NDF : 650269.9/31

Out: 2025.601+/-0.332 χ^2/NDF : 645788.5/34

All: 2018.597+/-0.235 χ^2/NDF : 1296949.4/66

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -136.694+/-1409.033 χ^2/NDF :20.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1458.027+/-1444.507 χ^2/NDF :10.4/14

Left: 640.845+/-1008.645 χ^2/NDF : 31.7/30

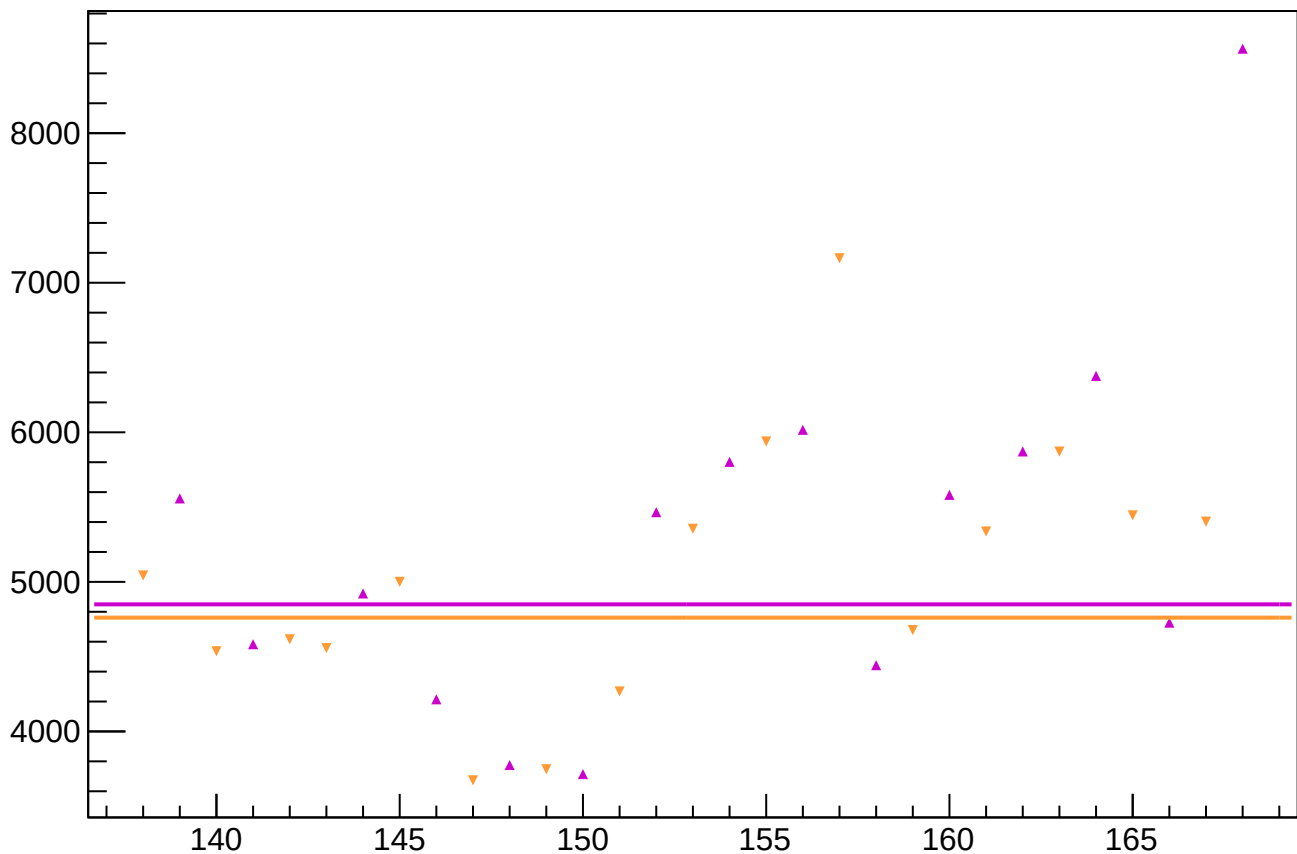
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1458.027+/-1444.507 χ^2/NDF :10.4/14

Out: -136.694+/-1409.033 χ^2/NDF :20.7/15

All: 640.845+/-1008.645 χ^2/NDF : 31.7/30

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 4760.796+/-0.996 χ^2/NDF :649843.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 4849.675+/-1.021 χ^2/NDF :952951.3/14

Left: 4804.131+/-0.713 χ^2/NDF : 1606674.5/30

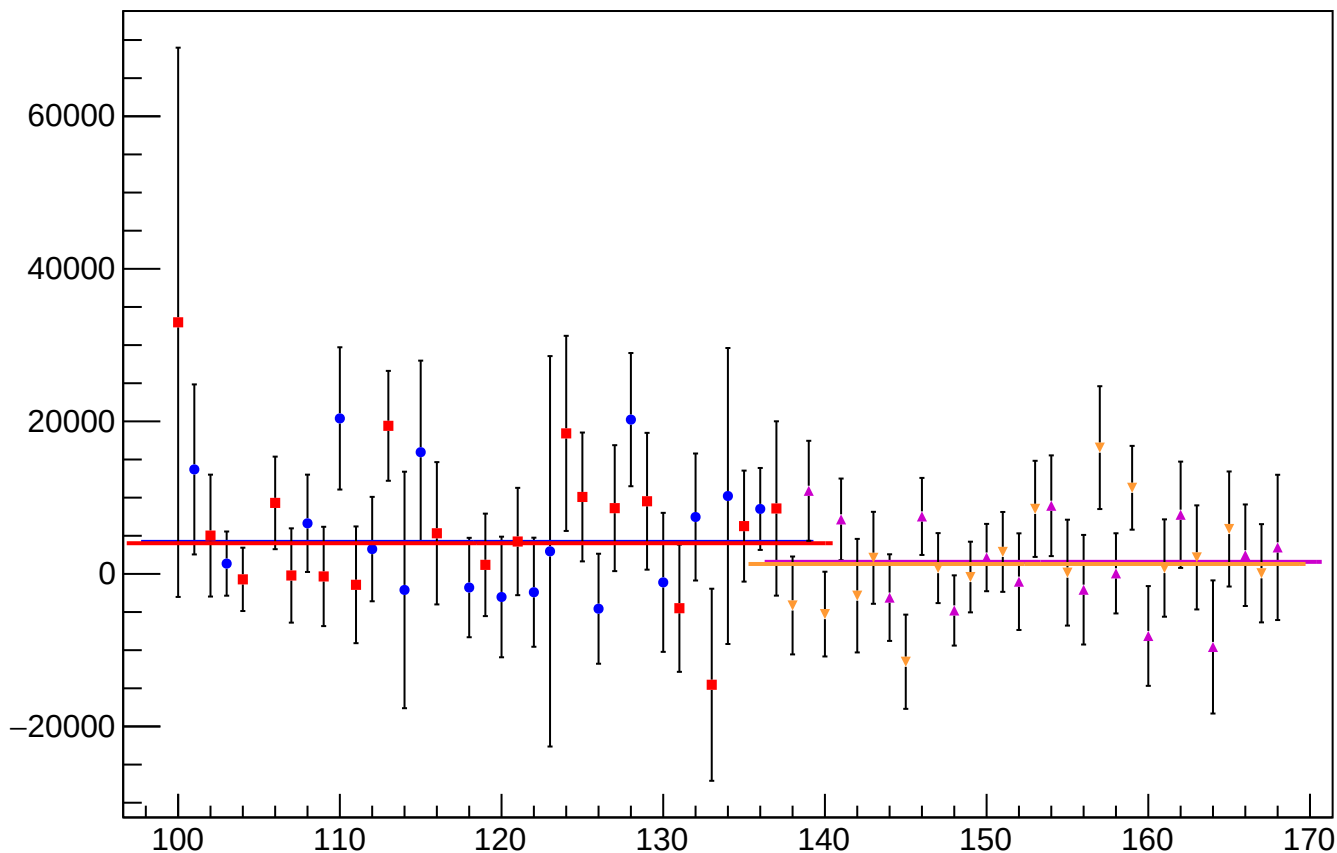
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4849.675+/-1.021 χ^2/NDF :952951.3/14

Out: 4760.796+/-0.996 χ^2/NDF :649843.2/15

All: 4804.131+/-0.713 χ^2/NDF : 1606674.5/30

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4198.770+/-1857.803 χ^2/NDF : 14.1/16

Left Out: 1302.126+/-1505.564 χ^2/NDF : 15.7/15

Right Out: 4023.682+/-1725.187 χ^2/NDF : 14.8/18

Left In: 1581.282+/-1541.270 χ^2/NDF : 13.5/14

Left: 1438.433+/-1076.997 χ^2/NDF : 29.2/30

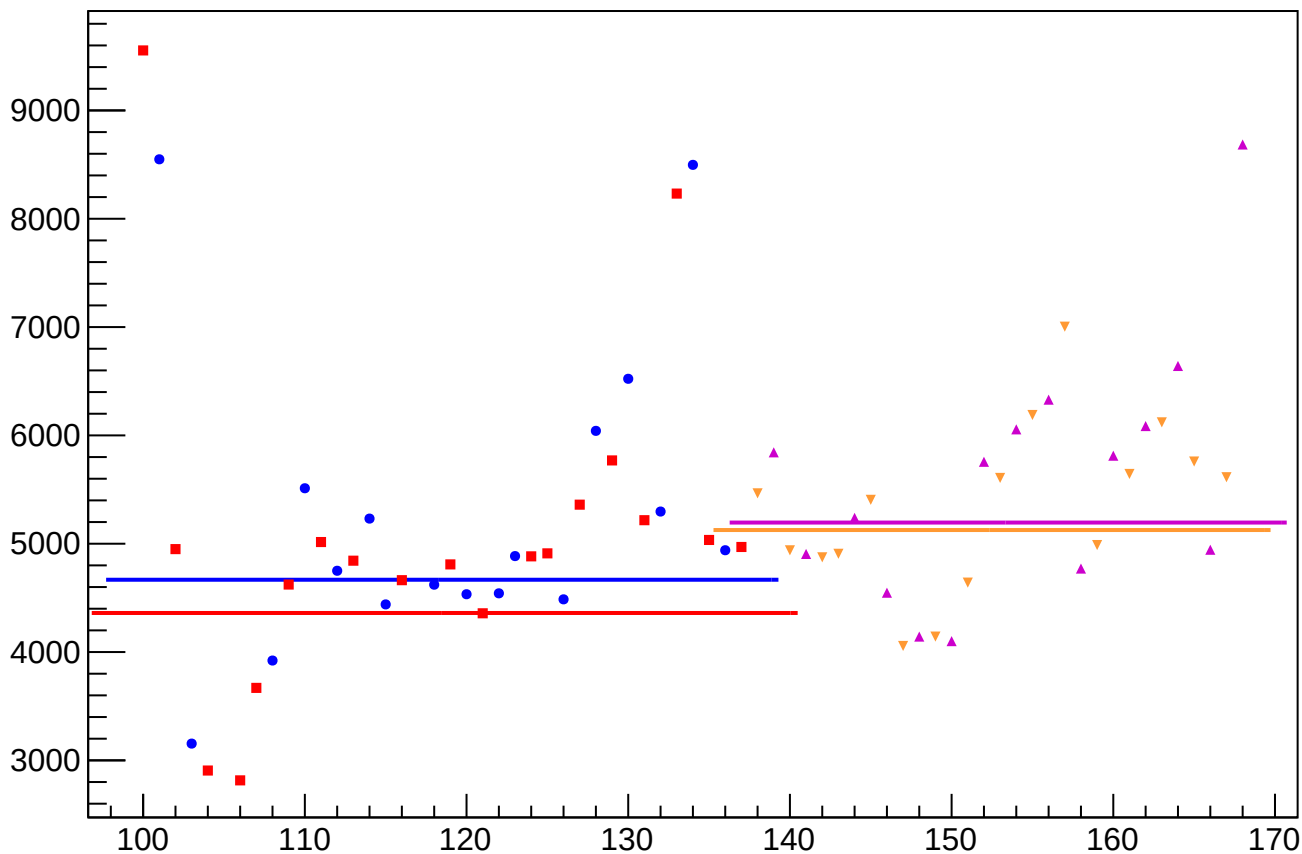
Right: 4104.755+/-1264.177 χ^2/NDF : 29.0/35

In: 2648.373+/-1186.200 χ^2/NDF : 28.8/31

Out: 2478.747+/-1134.347 χ^2/NDF : 31.9/34

All: 2559.771+/-819.823 χ^2/NDF : 60.7/66

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4667.470+/-1.314 χ^2/NDF : 777857.9/16

Left Out: 5126.331+/-1.065 χ^2/NDF : 482547.3/15

Right Out: 4360.582+/-1.213 χ^2/NDF : 832745.2/18

Left In: 5195.366+/-1.090 χ^2/NDF : 775376.3/14

Left: 5160.040+/-0.762 χ^2/NDF : 1259976.9/30

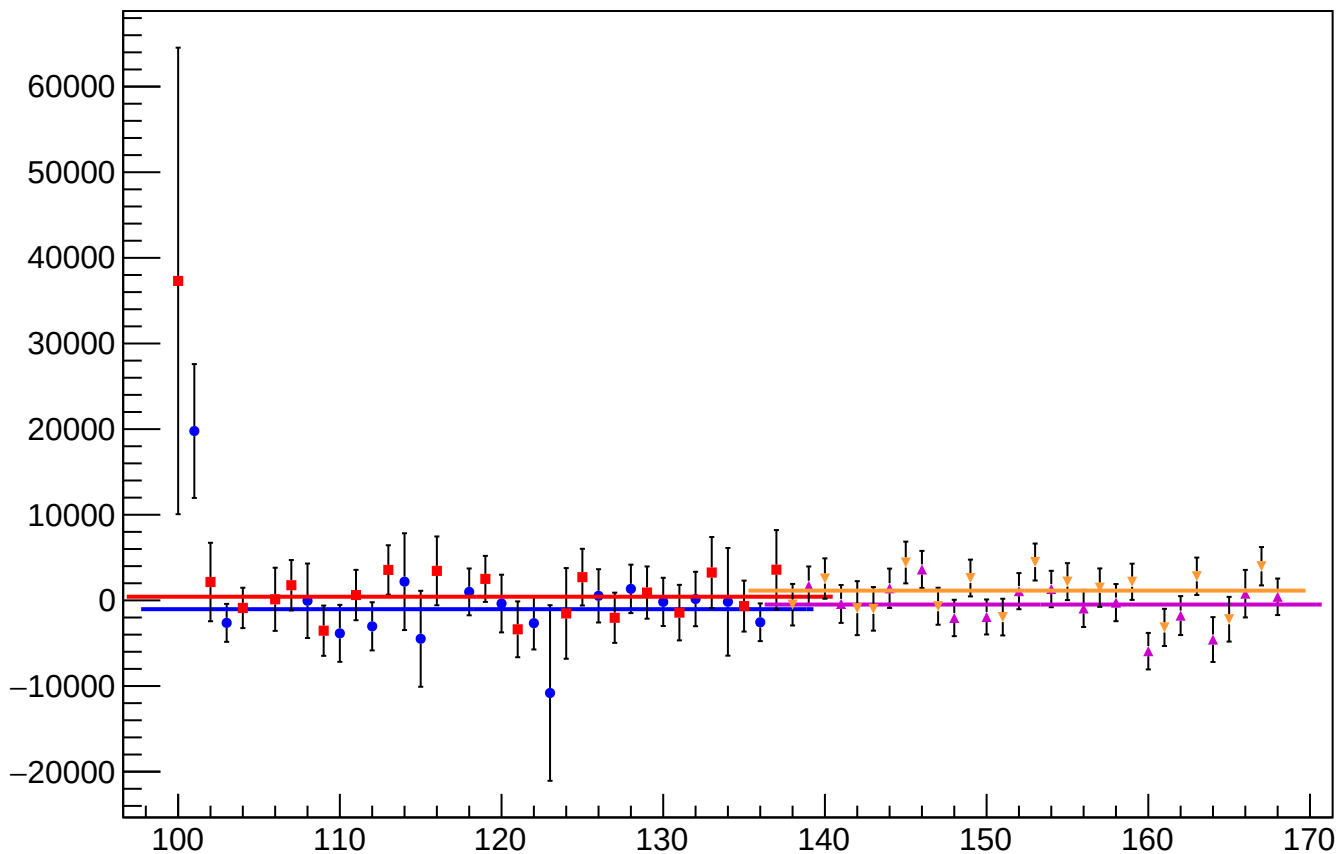
Right: 4501.800+/-0.891 χ^2/NDF : 1640064.7/35

In: 4980.155+/-0.839 χ^2/NDF : 1648884.4/31

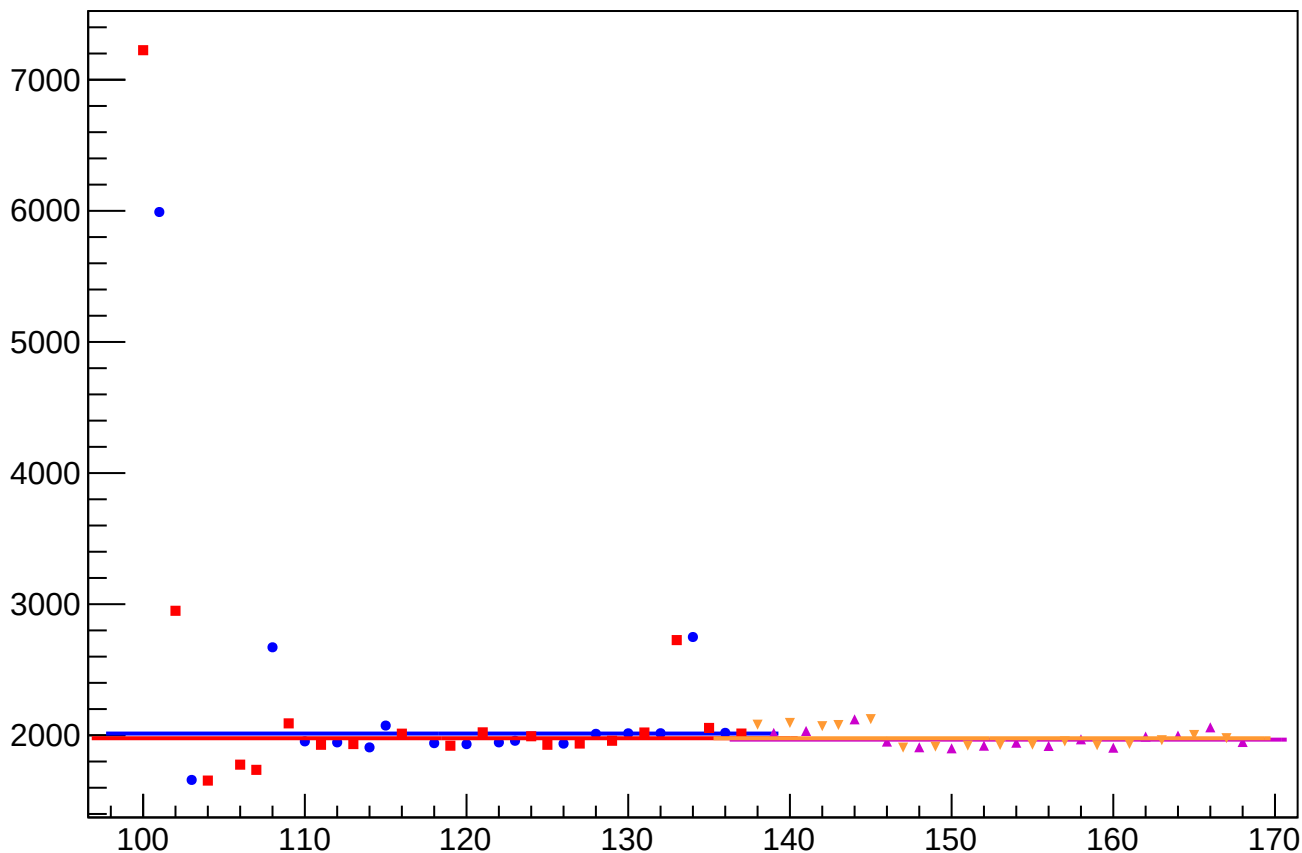
Out: 4793.094+/-0.800 χ^2/NDF : 1540442.3/34

All: 4882.212+/-0.579 χ^2/NDF : 3215368.4/66

dit_asym_atr_dd_mean vs Slug, Sign Corrected



dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 2013.270+/-0.563 χ^2/NDF : 650048.6/16

Left Out: 1977.383+/-0.405 χ^2/NDF : 30546.7/15

Right Out: 1977.545+/-0.537 χ^2/NDF : 294899.1/18

Left In: 1966.878+/-0.405 χ^2/NDF : 22383.1/14

Left: 1972.128+/-0.287 χ^2/NDF : 53265.6/30

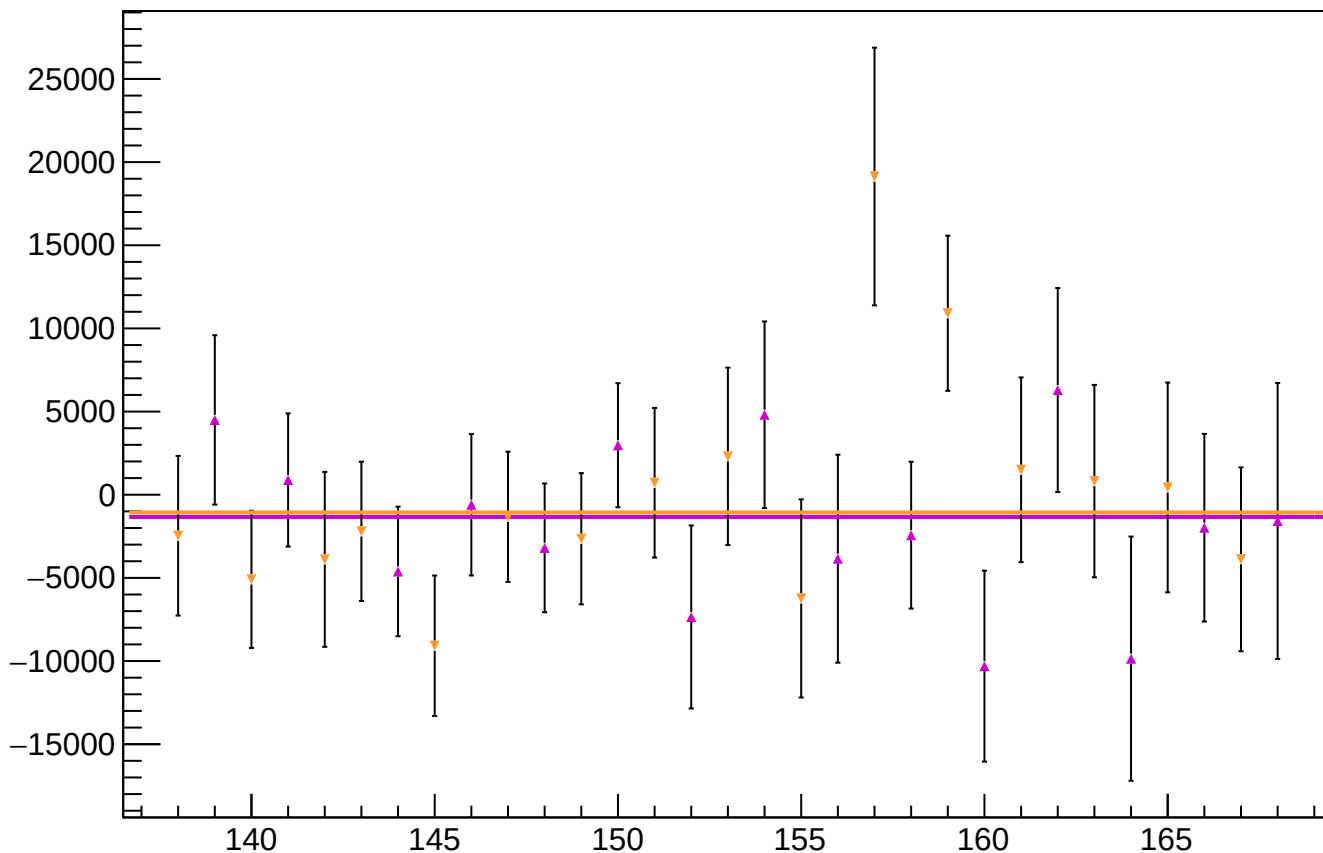
Right: 1994.568+/-0.389 χ^2/NDF : 947053.5/35

In: 1982.703+/-0.329 χ^2/NDF : 676901.1/31

Out: 1977.441+/-0.324 χ^2/NDF : 325445.9/34

All: 1980.030+/-0.231 χ^2/NDF : 1002477.0/66

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1064.044+/-1215.770 χ^2/NDF :20.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1336.535+/-1266.091 χ^2/NDF :11.9/14

Left: -1194.767+/-876.929 χ^2/NDF : 32.4/30

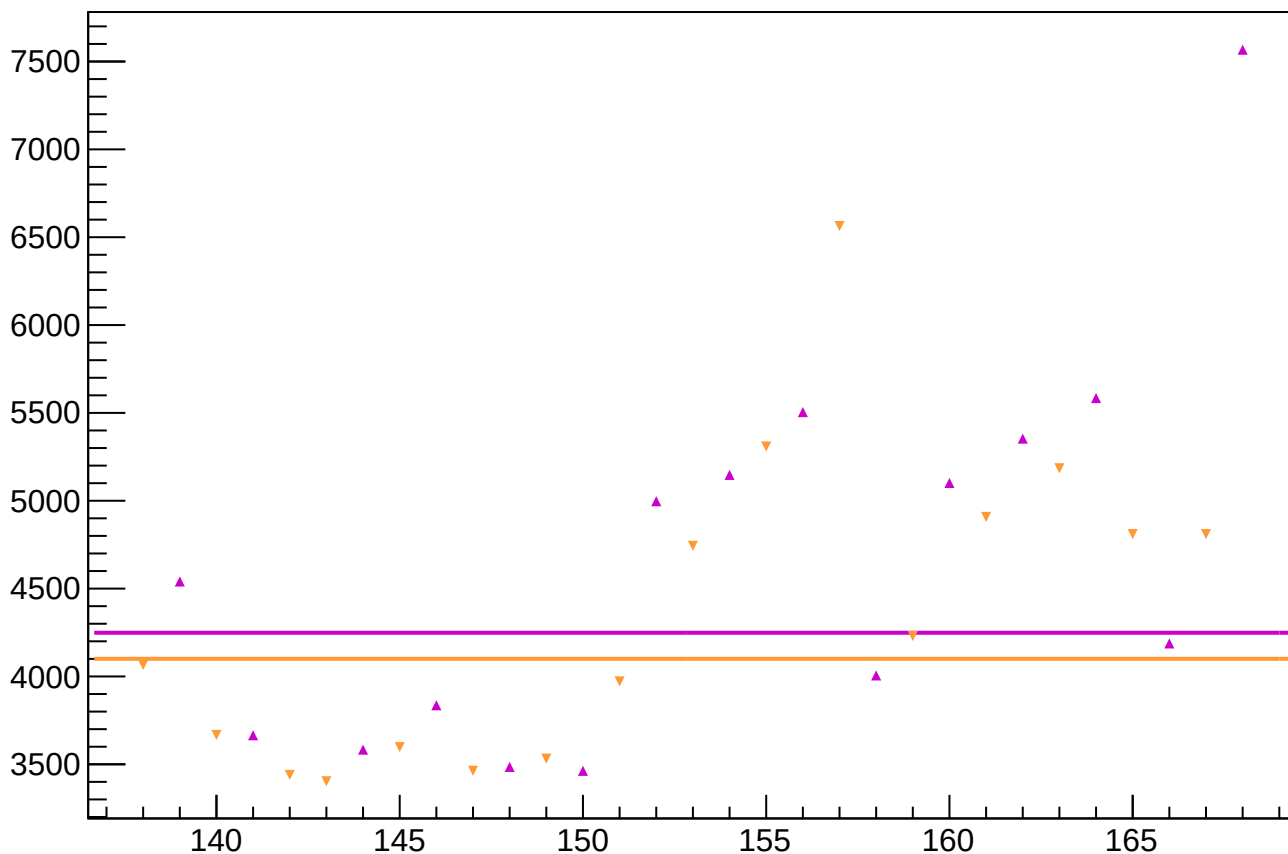
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1336.535+/-1266.091 χ^2/NDF :11.9/14

Out: -1064.044+/-1215.770 χ^2/NDF :20.5/15

All: -1194.767+/-876.929 χ^2/NDF : 32.4/30

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 4100.454+/-0.860 χ^2/NDF :719646.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 4248.800+/-0.895 χ^2/NDF :963181.7/14

Left: 4171.621+/-0.620 χ^2/NDF : 1697113.3/30

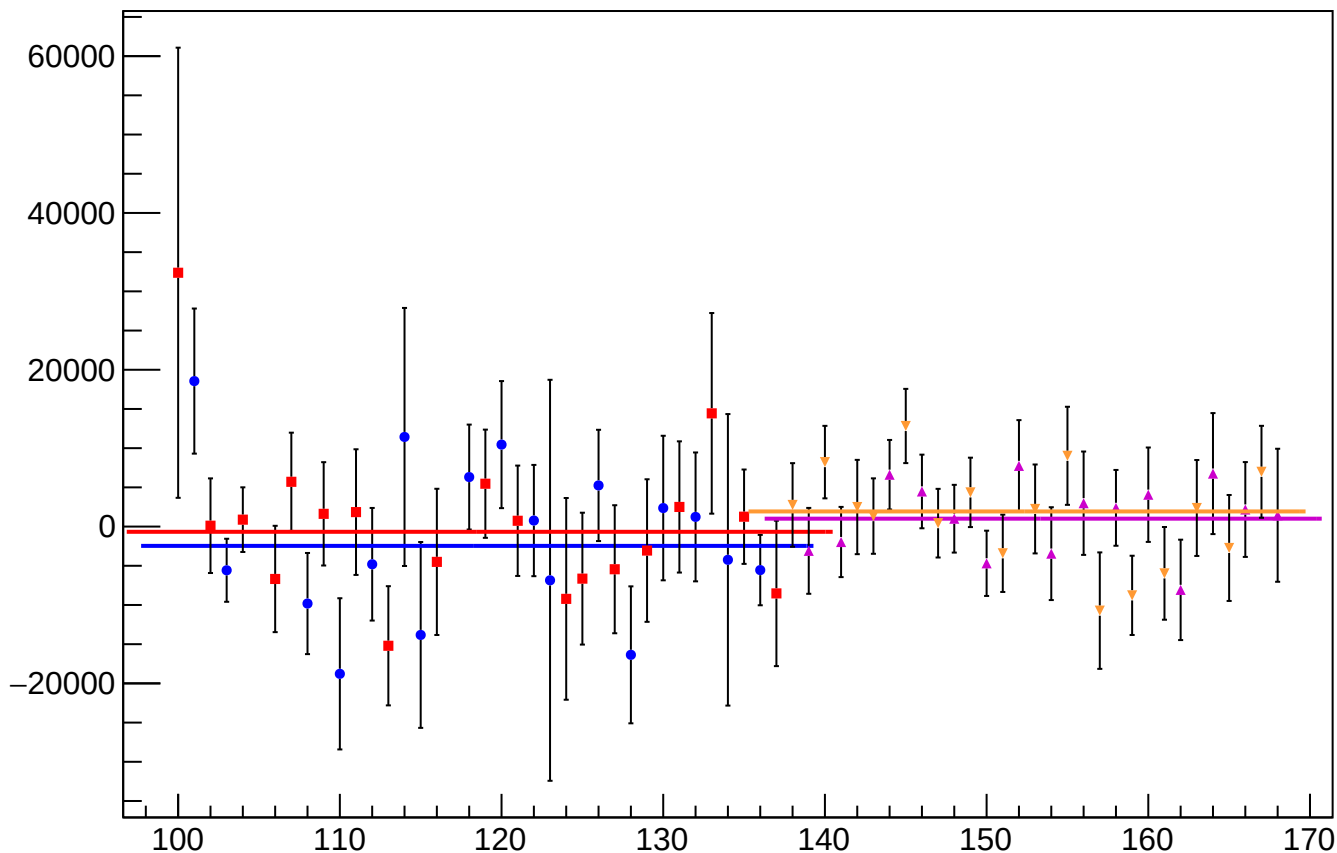
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4248.800+/-0.895 χ^2/NDF :963181.7/14

Out: 4100.454+/-0.860 χ^2/NDF :719646.7/15

All: 4171.621+/-0.620 χ^2/NDF : 1697113.3/30

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2462.254+/-1797.293 χ^2/NDF : 20.8/16

Left Out: 1930.422+/-1333.890 χ^2/NDF : 20.5/15

Right Out: -666.170+/-1689.812 χ^2/NDF : 11.9/18

Left In: 1008.070+/-1380.888 χ^2/NDF : 10.0/14

Left: 1485.209+/-959.388 χ^2/NDF : 30.7/30

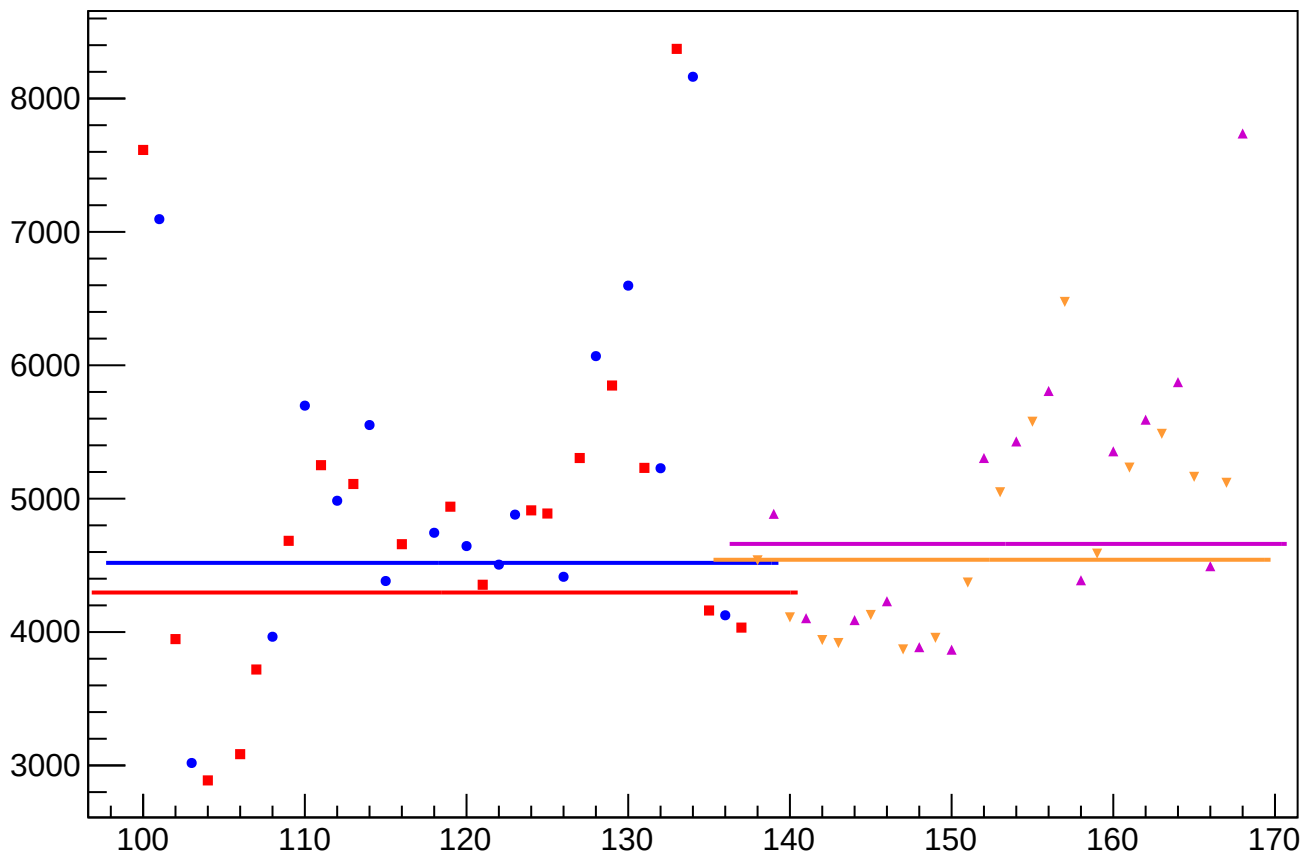
Right: -1508.905+/-1231.122 χ^2/NDF : 33.3/35

In: -280.084+/-1095.009 χ^2/NDF : 33.1/31

Out: 933.596+/-1046.999 χ^2/NDF : 33.8/34

All: 353.945+/-756.744 χ^2/NDF : 67.6/66

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4518.684+/-1.271 χ^2/NDF : 770226.9/16

Left Out: 4542.012+/-0.943 χ^2/NDF : 488496.2/15

Right Out: 4296.379+/-1.188 χ^2/NDF : 771702.5/18

Left In: 4660.813+/-0.976 χ^2/NDF : 728974.0/14

Left: 4599.356+/-0.678 χ^2/NDF : 1225127.9/30

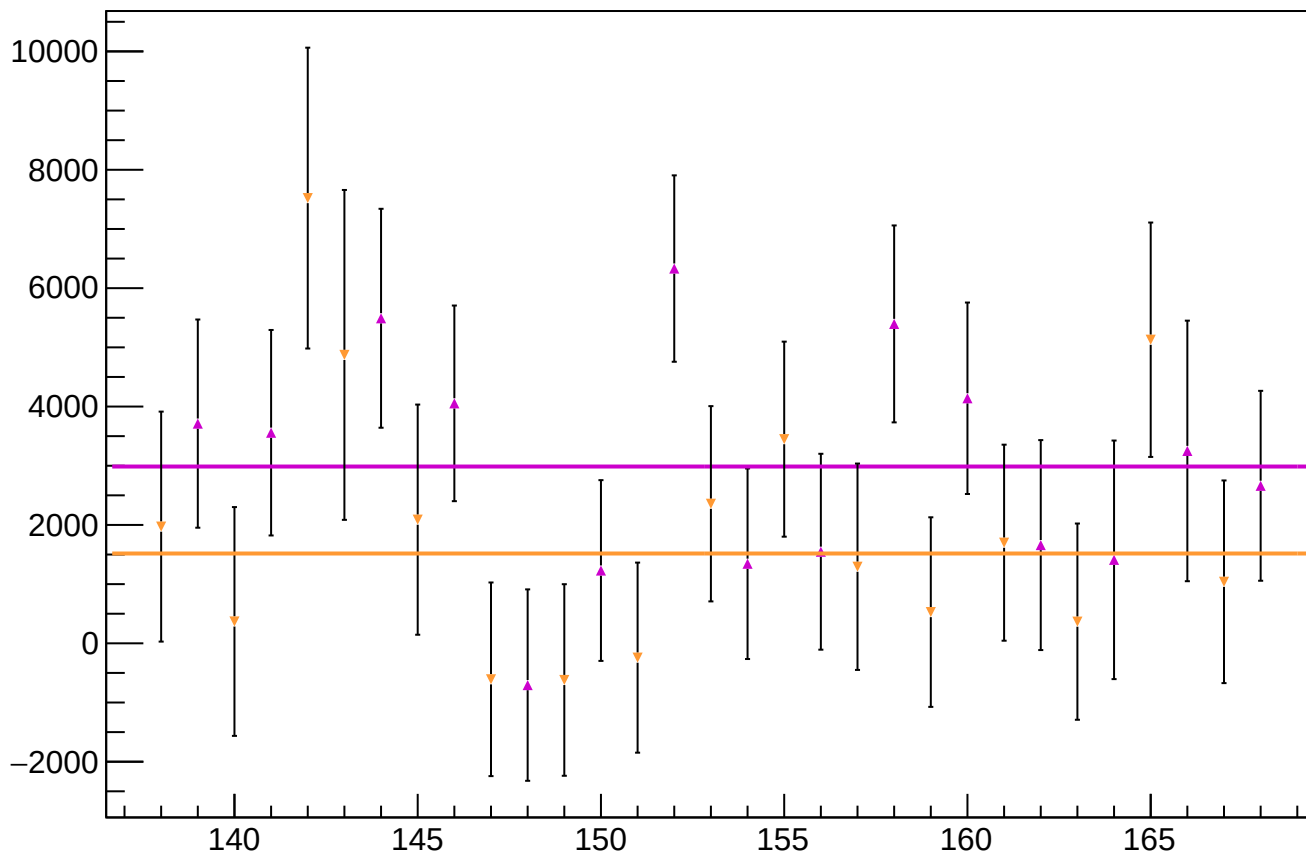
Right: 4400.071+/-0.868 χ^2/NDF : 1558255.2/35

In: 4608.056+/-0.774 χ^2/NDF : 1507065.5/31

Out: 4447.067+/-0.739 χ^2/NDF : 1286413.6/34

All: 4523.783+/-0.534 χ^2/NDF : 2816108.7/66

dit_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1517.394+/-447.018 χ^2/NDF : 18.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2986.768+/-439.265 χ^2/NDF : 19.2/14

Left: 2264.934+/-313.312 χ^2/NDF : 42.8/30

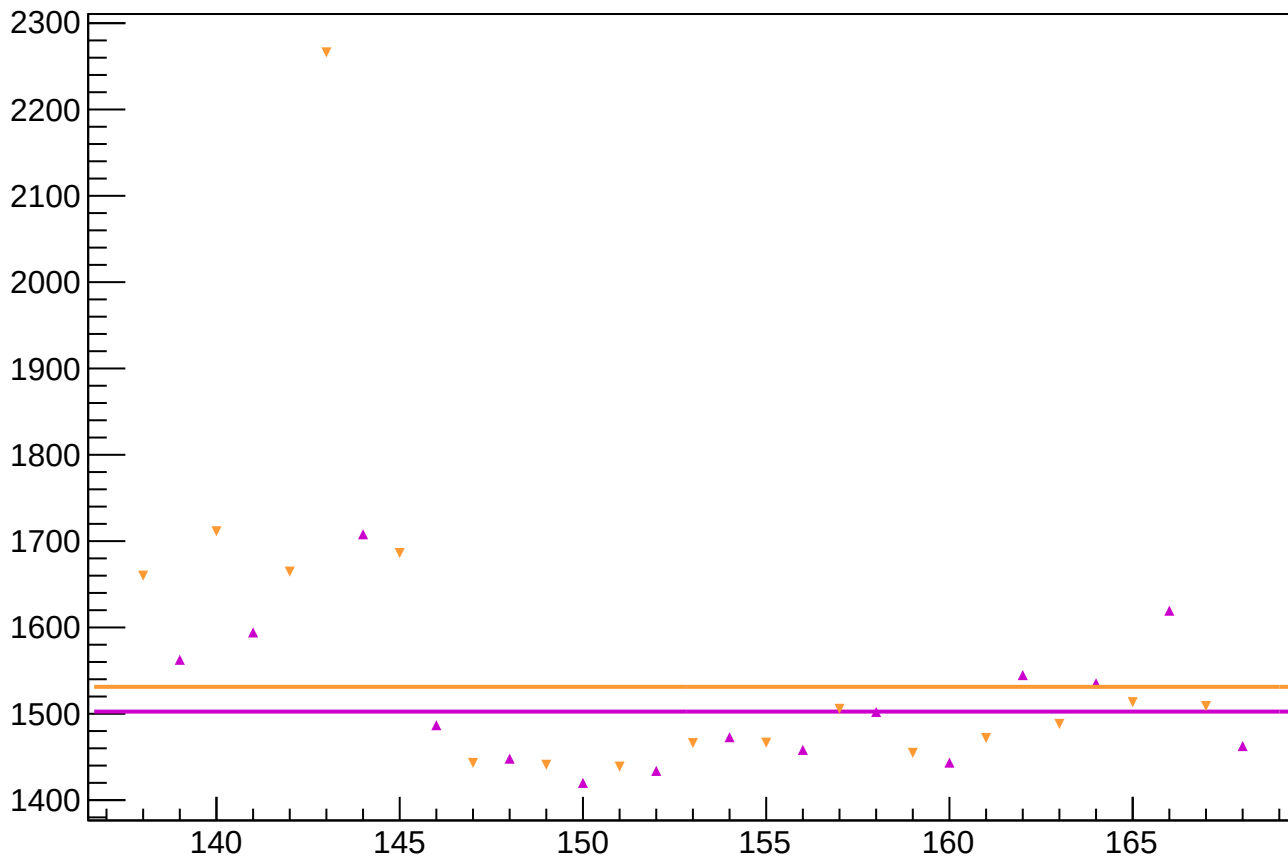
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2986.768+/-439.265 χ^2/NDF : 19.2/14

Out: 1517.394+/-447.018 χ^2/NDF : 18.1/15

All: 2264.934+/-313.312 χ^2/NDF : 42.8/30

dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1531.208+/-0.316 χ^2/NDF :217786.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1502.529+/-0.311 χ^2/NDF :58024.5/14

Left: 1516.618+/-0.222 χ^2/NDF : 279998.9/30

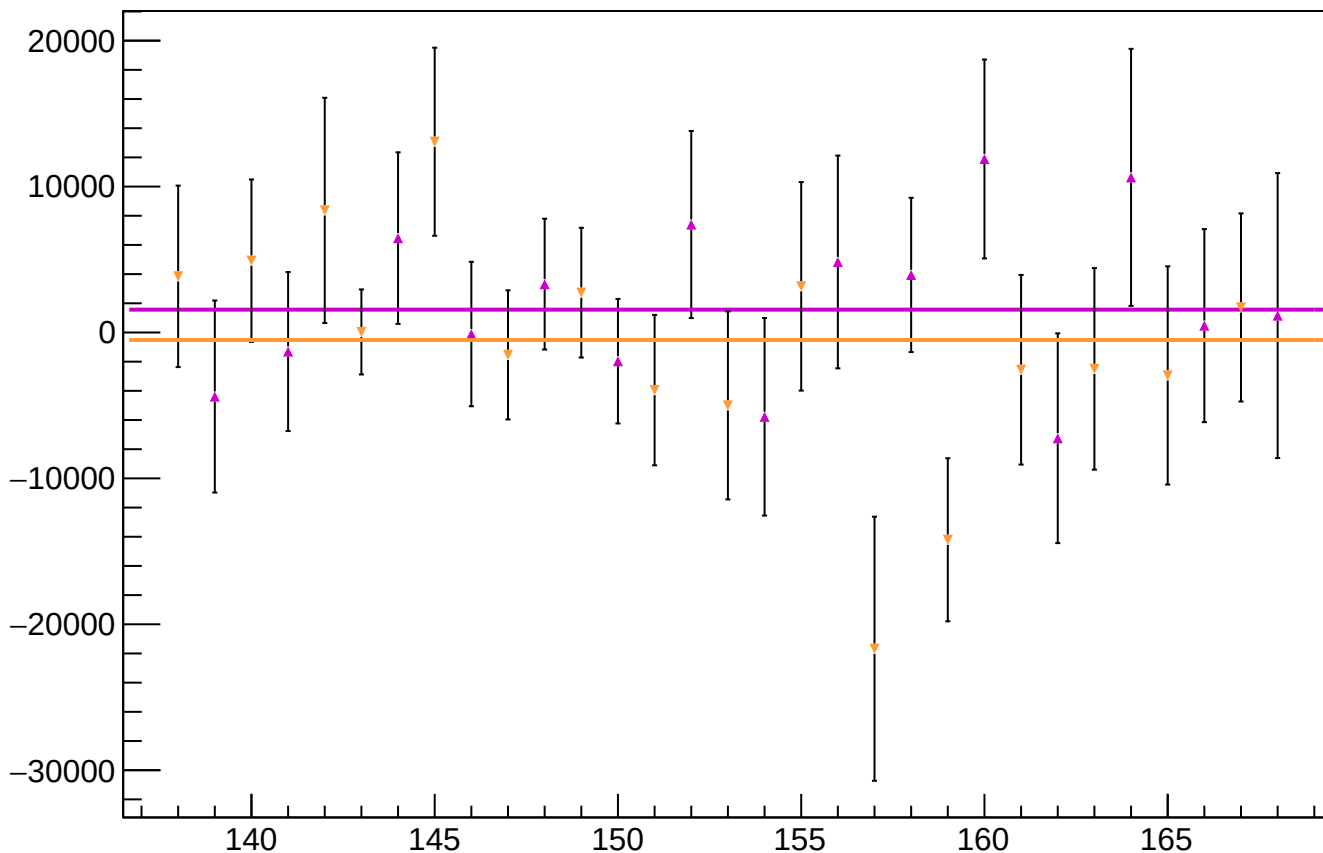
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1502.529+/-0.311 χ^2/NDF :58024.5/14

Out: 1531.208+/-0.316 χ^2/NDF :217786.1/15

All: 1516.618+/-0.222 χ^2/NDF : 279998.9/30

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -515.308+/-1372.999 χ^2/NDF :20.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1565.761+/-1544.851 χ^2/NDF :10.0/14

Left: 403.082+/-1026.259 χ^2/NDF : 32.0/30

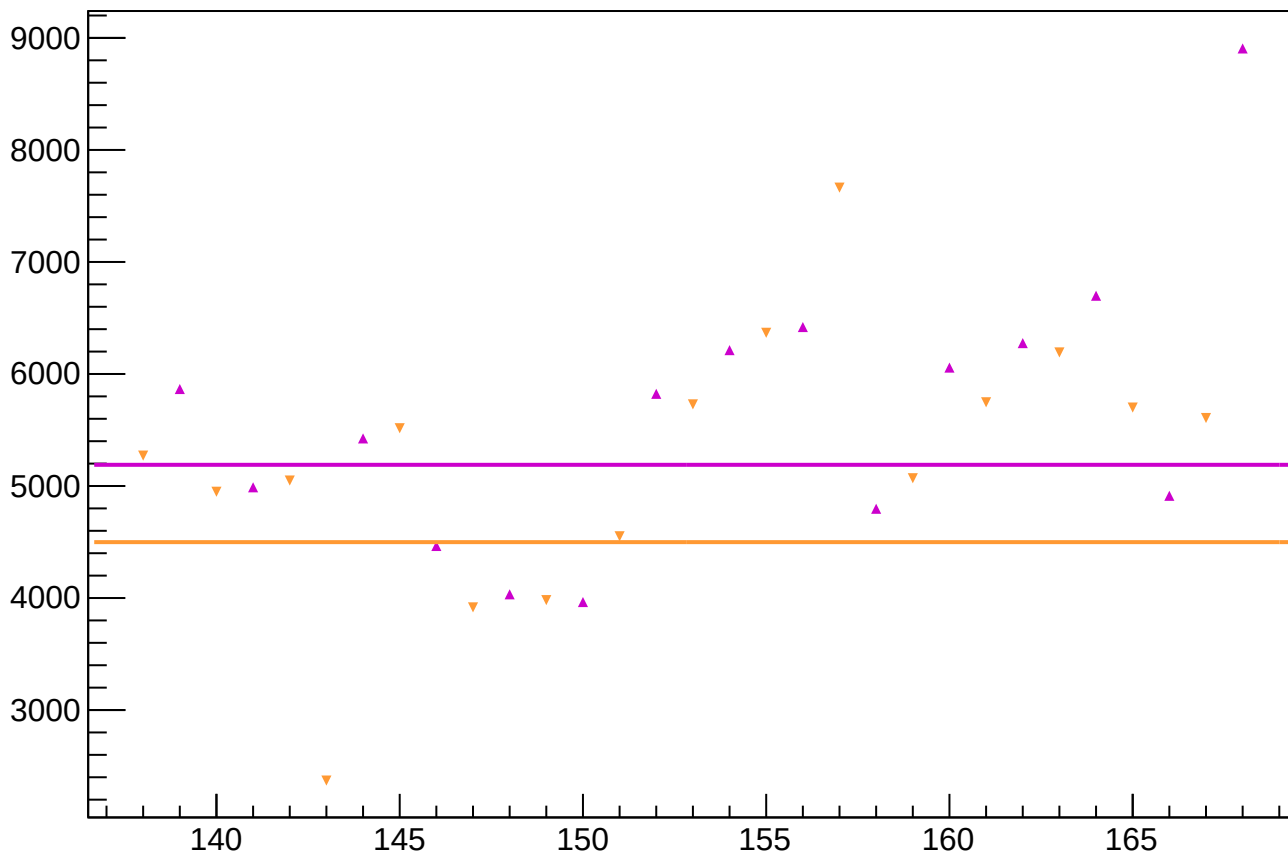
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1565.761+/-1544.851 χ^2/NDF :10.0/14

Out: -515.308+/-1372.999 χ^2/NDF :20.9/15

All: 403.082+/-1026.259 χ^2/NDF : 32.0/30

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 4498.909+/-0.971 χ^2/NDF :2012516.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 5189.152+/-1.092 χ^2/NDF :931027.4/14

Left: 4803.518+/-0.726 χ^2/NDF : 3166610.1/30

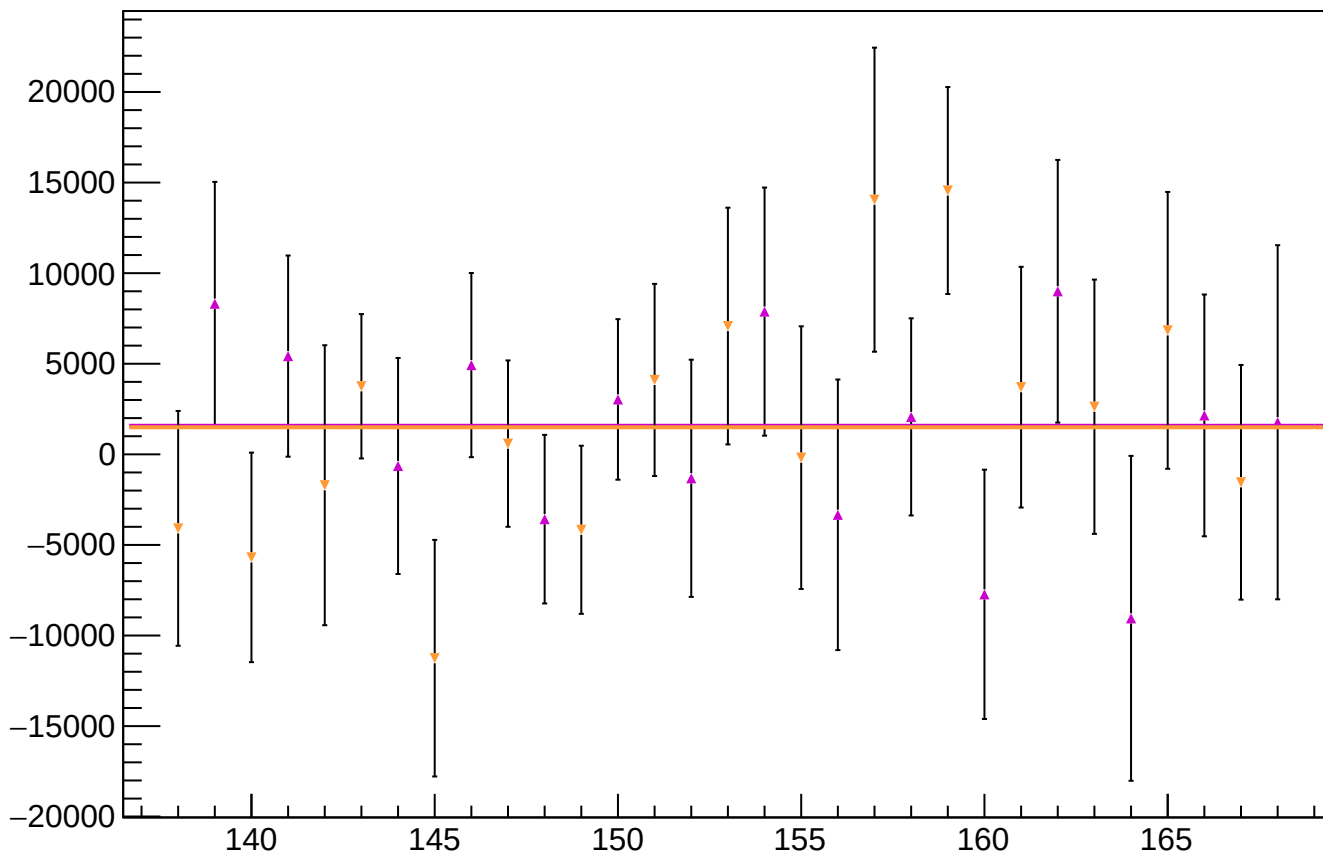
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5189.152+/-1.092 χ^2/NDF :931027.4/14

Out: 4498.909+/-0.971 χ^2/NDF :2012516.5/15

All: 4803.518+/-0.726 χ^2/NDF : 3166610.1/30

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1493.819+/-1478.249 χ^2/NDF :17.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1576.027+/-1580.218 χ^2/NDF :9.2/14

Left: 1532.185+/-1079.530 χ^2/NDF : 26.6/30

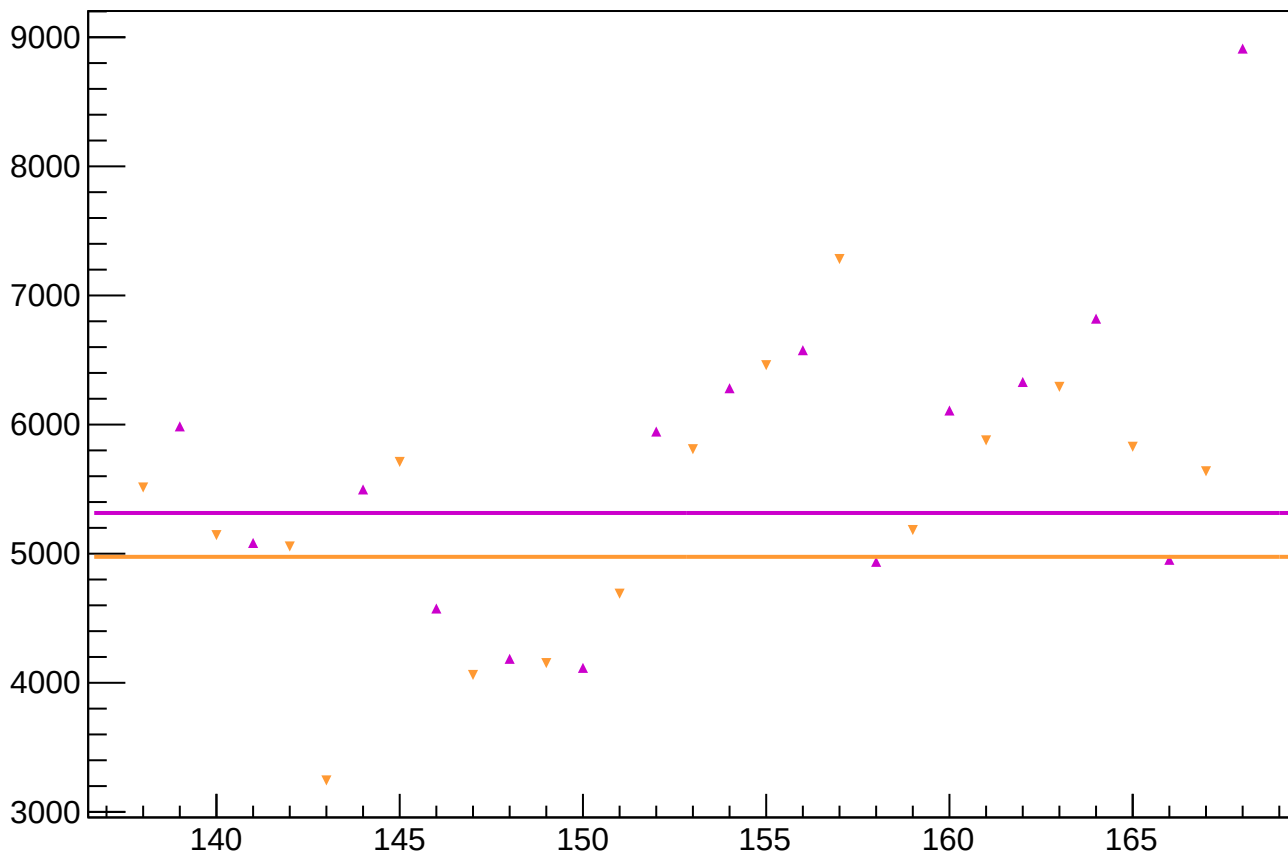
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1576.027+/-1580.218 χ^2/NDF :9.2/14

Out: 1493.819+/-1478.249 χ^2/NDF :17.5/15

All: 1532.185+/-1079.530 χ^2/NDF : 26.6/30

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 4975.635+/-1.045 χ^2/NDF :990255.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 5315.329+/-1.117 χ^2/NDF :856235.9/14

Left: 5134.170+/-0.763 χ^2/NDF : 1895780.1/30

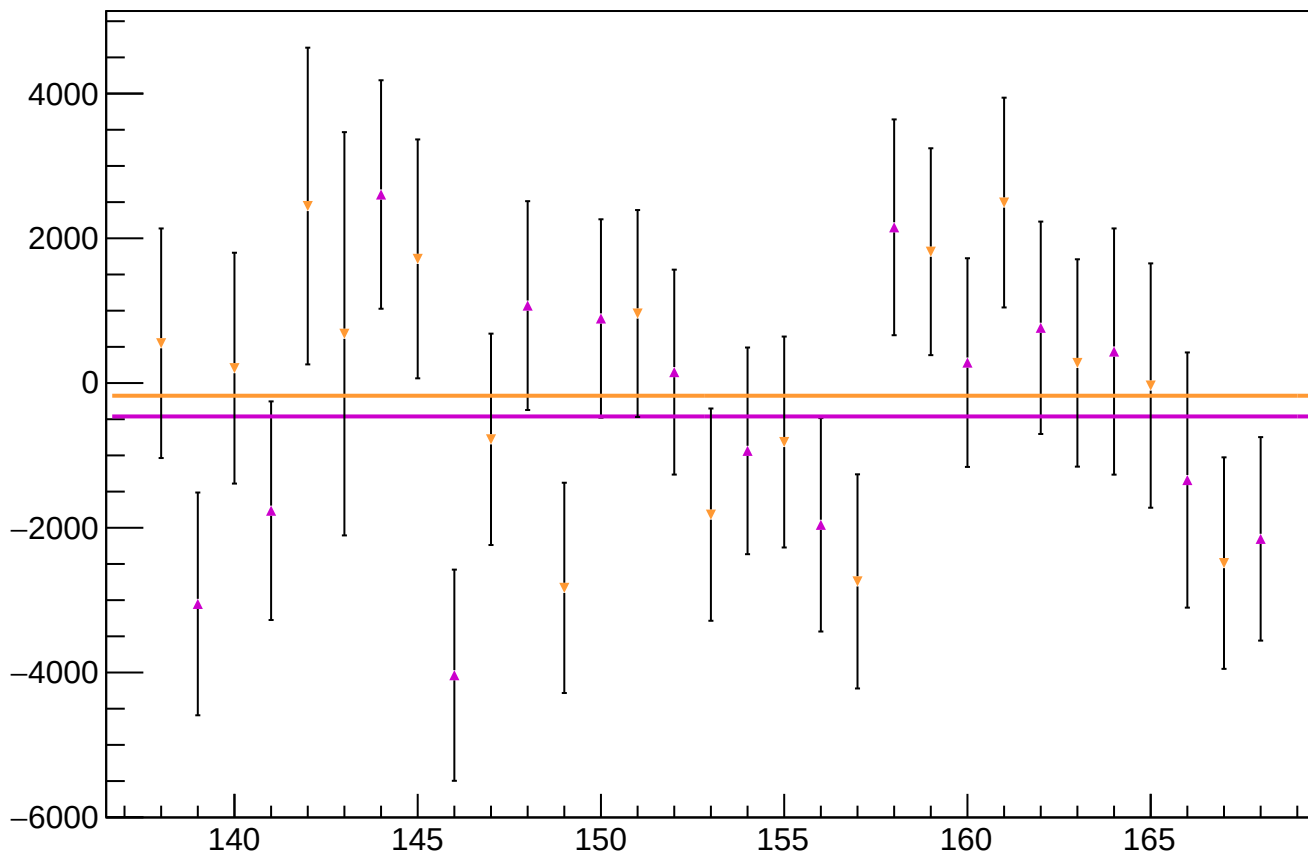
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5315.329+/-1.117 χ^2/NDF :856235.9/14

Out: 4975.635+/-1.045 χ^2/NDF :990255.8/15

All: 5134.170+/-0.763 χ^2/NDF : 1895780.1/30

dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -175.266+/-389.519 χ^2/NDF :19.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -461.466+/-384.580 χ^2/NDF :22.8/14

Left: -320.192+/-273.669 χ^2/NDF : 42.7/30

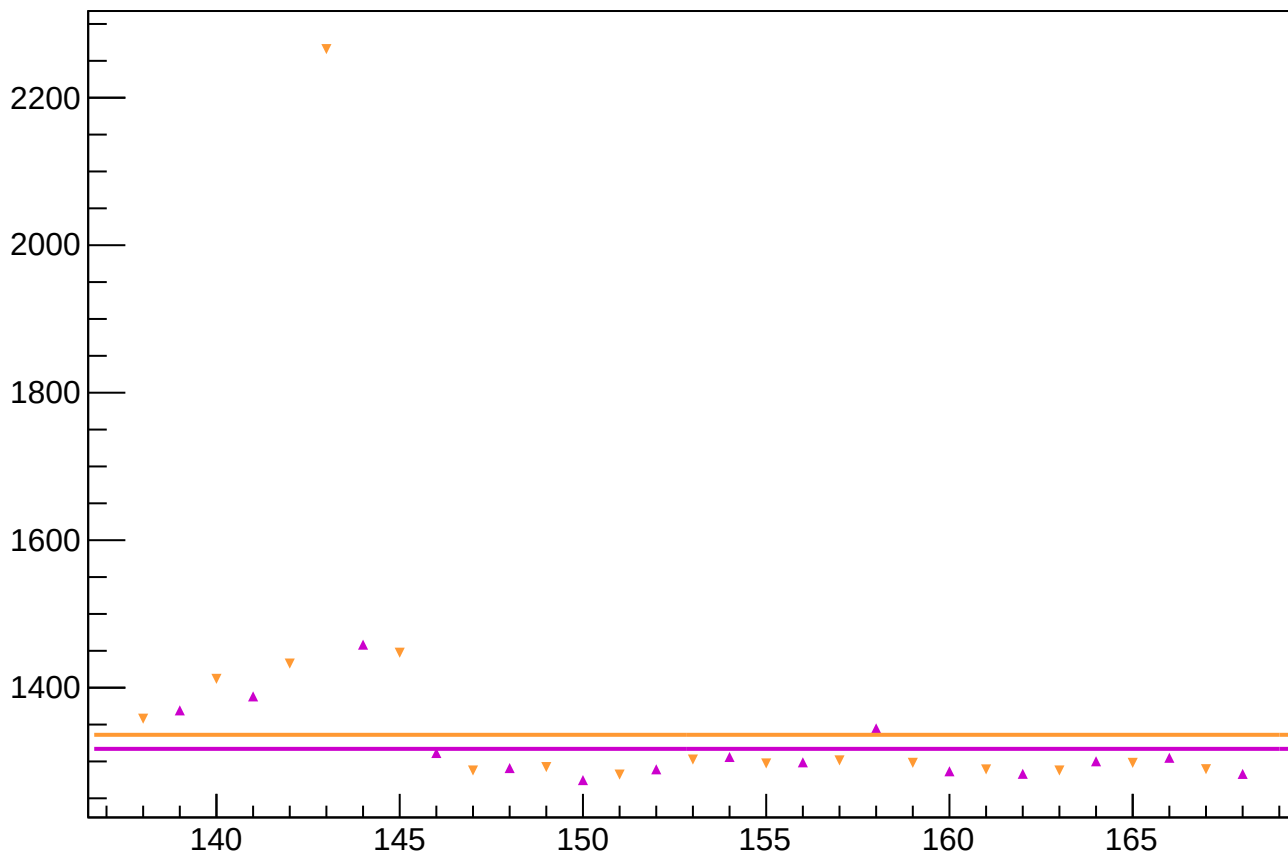
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -461.466+/-384.580 χ^2/NDF :22.8/14

Out: -175.266+/-389.519 χ^2/NDF :19.6/15

All: -320.192+/-273.669 χ^2/NDF : 42.7/30

dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1336.112+/-0.275 χ^2/NDF :259866.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1317.052+/-0.272 χ^2/NDF :30644.5/14

Left: 1326.460+/-0.194 χ^2/NDF : 292935.4/30

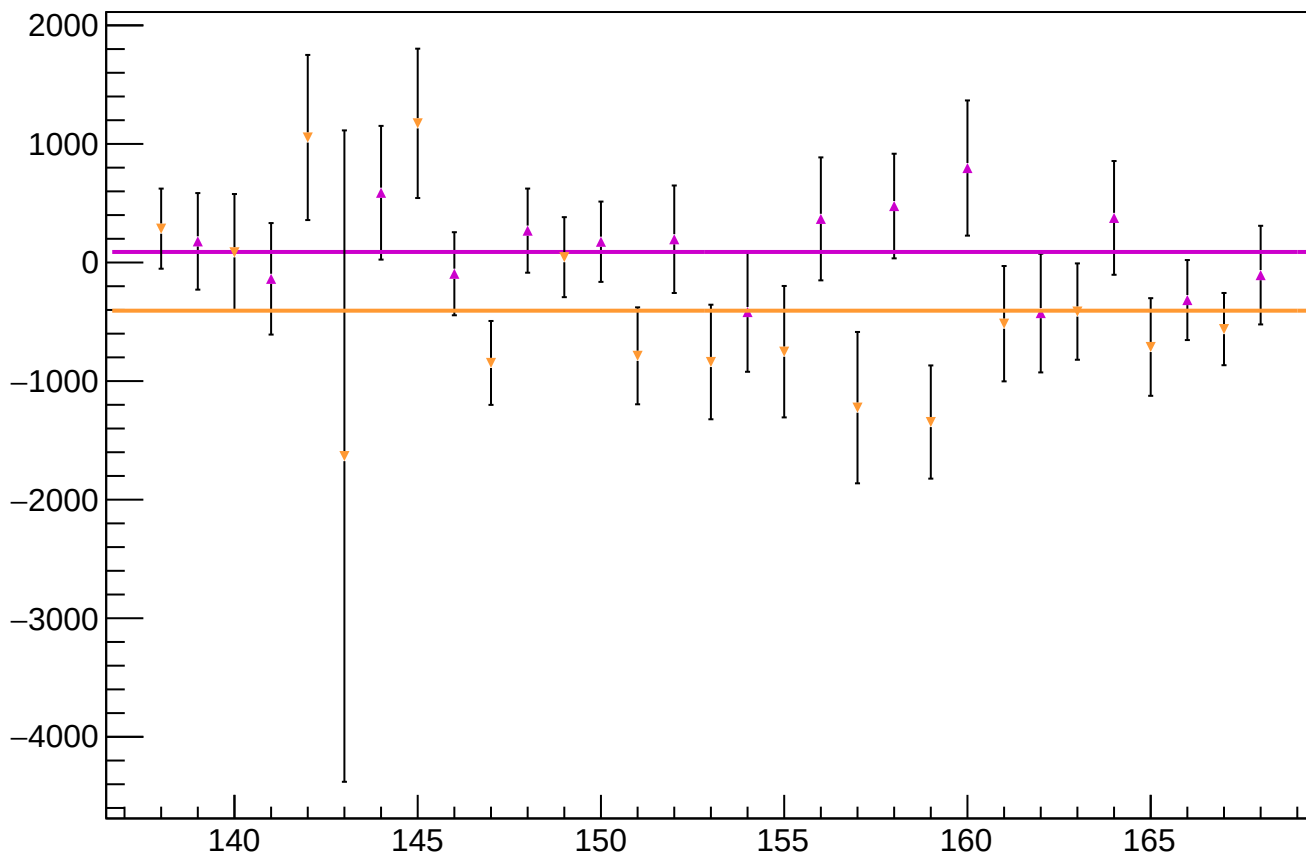
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1317.052+/-0.272 χ^2/NDF :30644.5/14

Out: 1336.112+/-0.275 χ^2/NDF :259866.2/15

All: 1326.460+/-0.194 χ^2/NDF : 292935.4/30

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -406.253+/-110.617 χ^2/NDF :27.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 88.974+/-110.327 χ^2/NDF :8.4/14

Left: -157.988+/-78.115 χ^2/NDF : 46.3/30

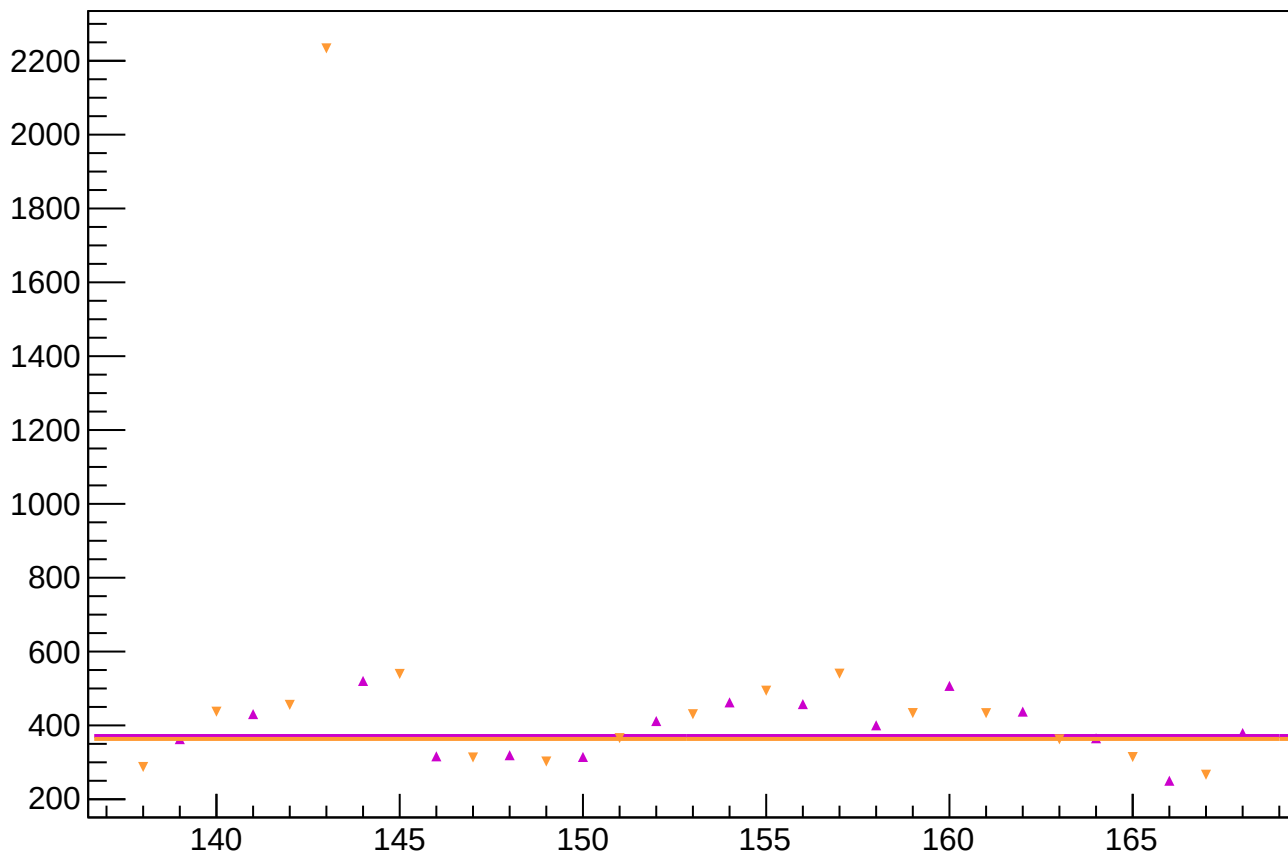
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 88.974+/-110.327 χ^2/NDF :8.4/14

Out: -406.253+/-110.617 χ^2/NDF :27.9/15

All: -157.988+/-78.115 χ^2/NDF : 46.3/30

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 363.356+/-0.078 χ^2/NDF :1989114.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 371.252+/-0.078 χ^2/NDF :873723.1/14

Left: 367.315+/-0.055 χ^2/NDF : 2867947.0/30

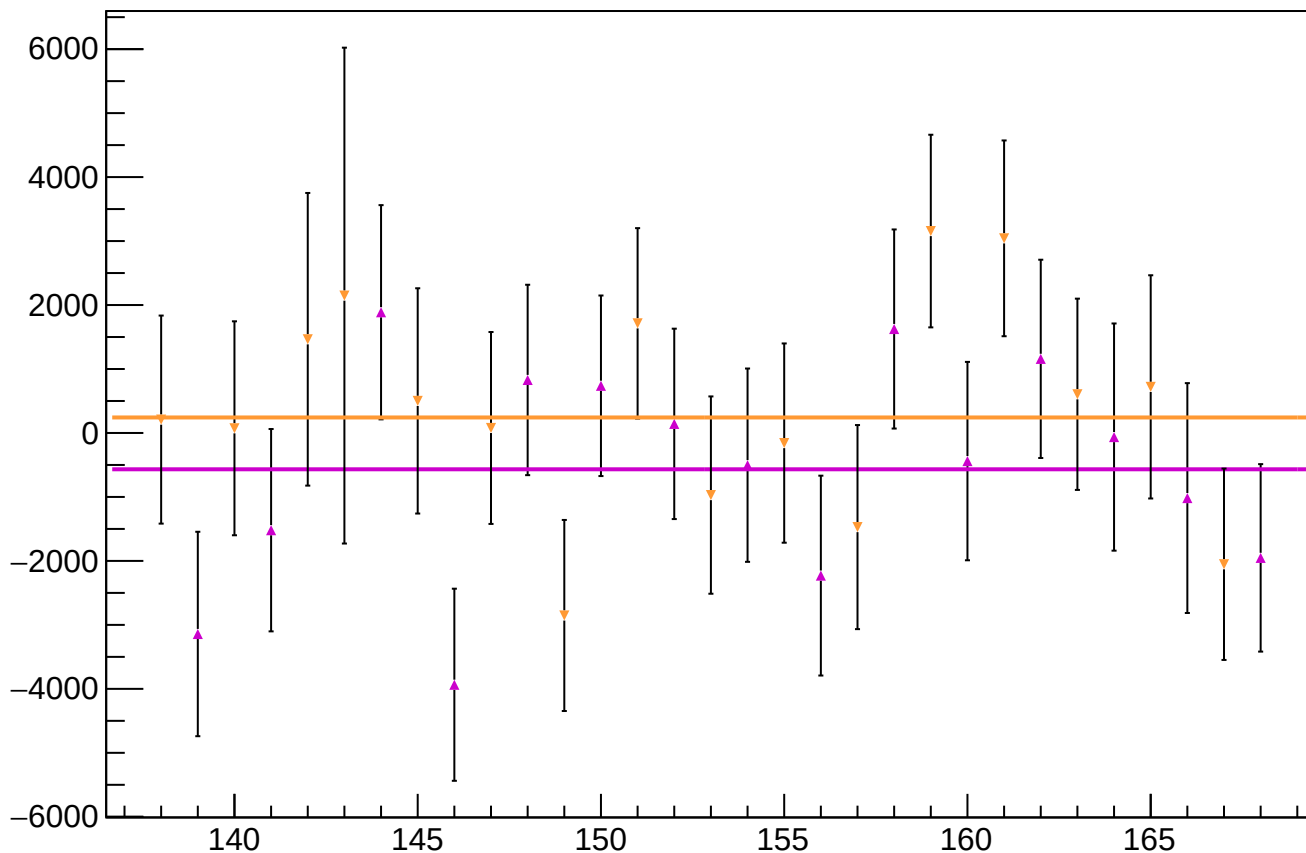
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 371.252+/-0.078 χ^2/NDF :873723.1/14

Out: 363.356+/-0.078 χ^2/NDF :1989114.8/15

All: 367.315+/-0.055 χ^2/NDF : 2867947.0/30

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 242.369+/-409.018 χ^2/NDF : 17.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -567.782+/-402.166 χ^2/NDF : 17.5/14

Left: -169.550+/-286.766 χ^2/NDF : 36.8/30

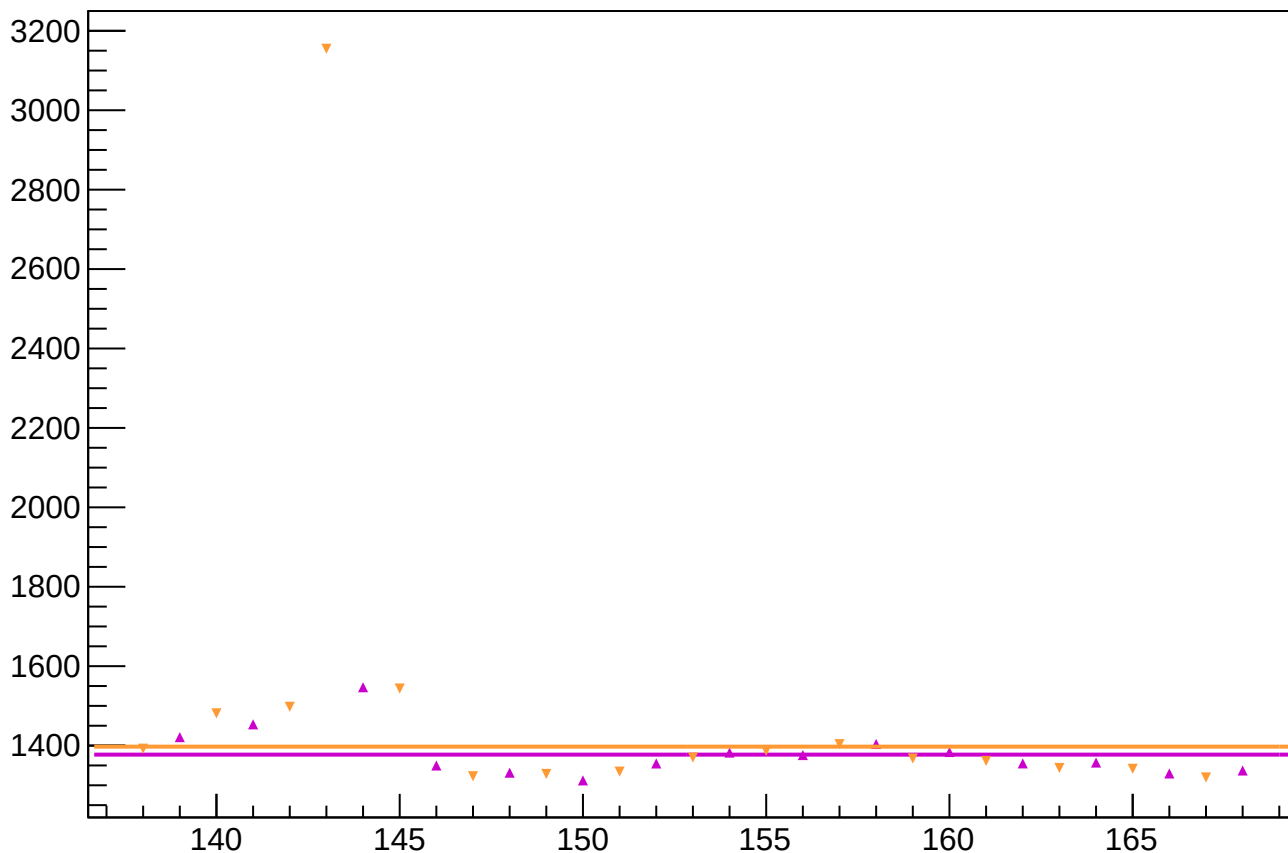
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -567.782+/-402.166 χ^2/NDF : 17.5/14

Out: 242.369+/-409.018 χ^2/NDF : 17.3/15

All: -169.550+/-286.766 χ^2/NDF : 36.8/30

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1397.361+/-0.289 χ^2/NDF : 459397.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1377.236+/-0.284 χ^2/NDF : 38116.4/14

Left: 1387.129+/-0.203 χ^2/NDF : 499975.4/30

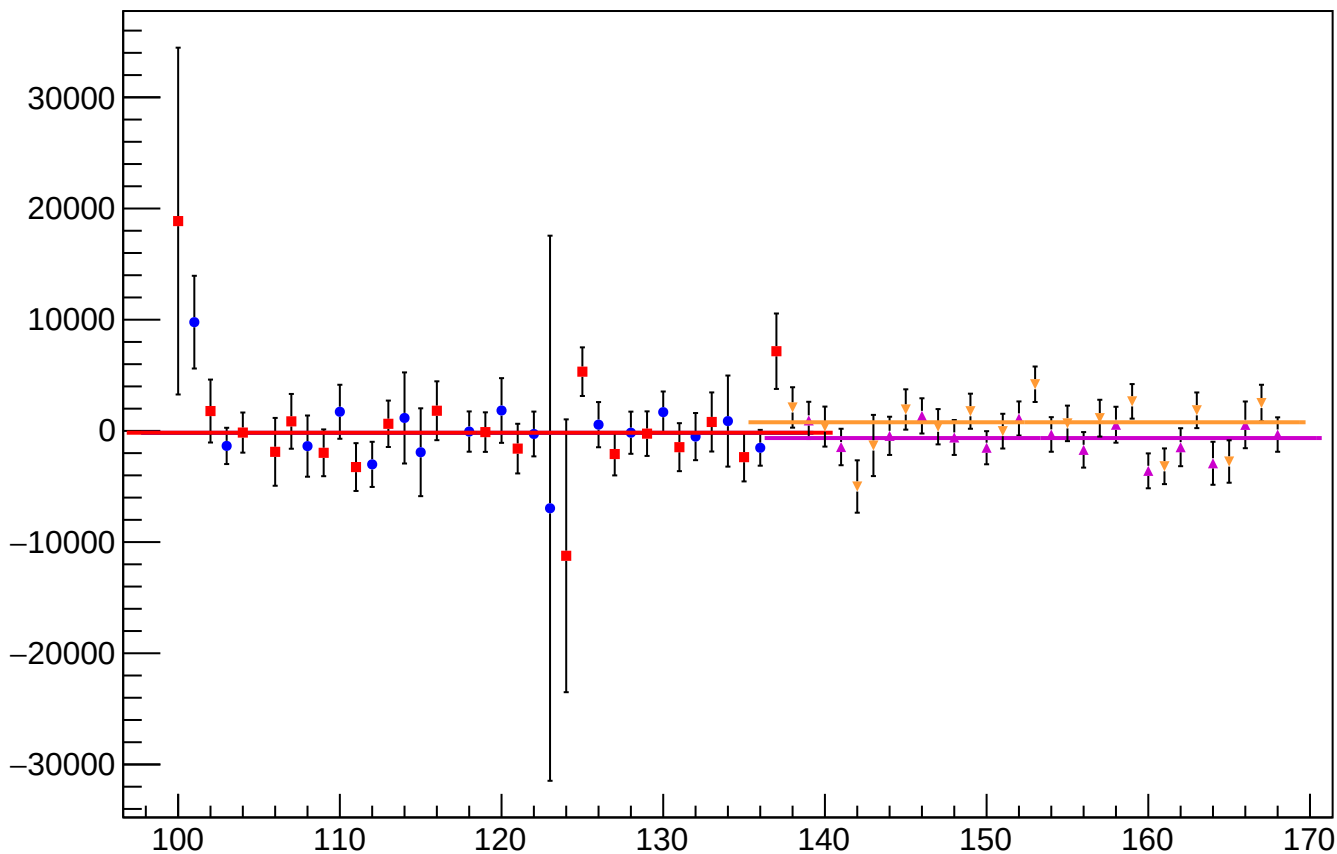
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1377.236+/-0.284 χ^2/NDF : 38116.4/14

Out: 1397.361+/-0.289 χ^2/NDF : 459397.1/15

All: 1387.129+/-0.203 χ^2/NDF : 499975.4/30

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -174.841 ± 554.659 χ^2/NDF : 11.8/16

Left Out: 775.902 ± 429.441 χ^2/NDF : 25.5/15

Right Out: -164.937 ± 540.101 χ^2/NDF : 20.7/18

Left In: -644.558 ± 422.798 χ^2/NDF : 10.9/14

Left: 54.600 ± 301.285 χ^2/NDF : 42.0/30

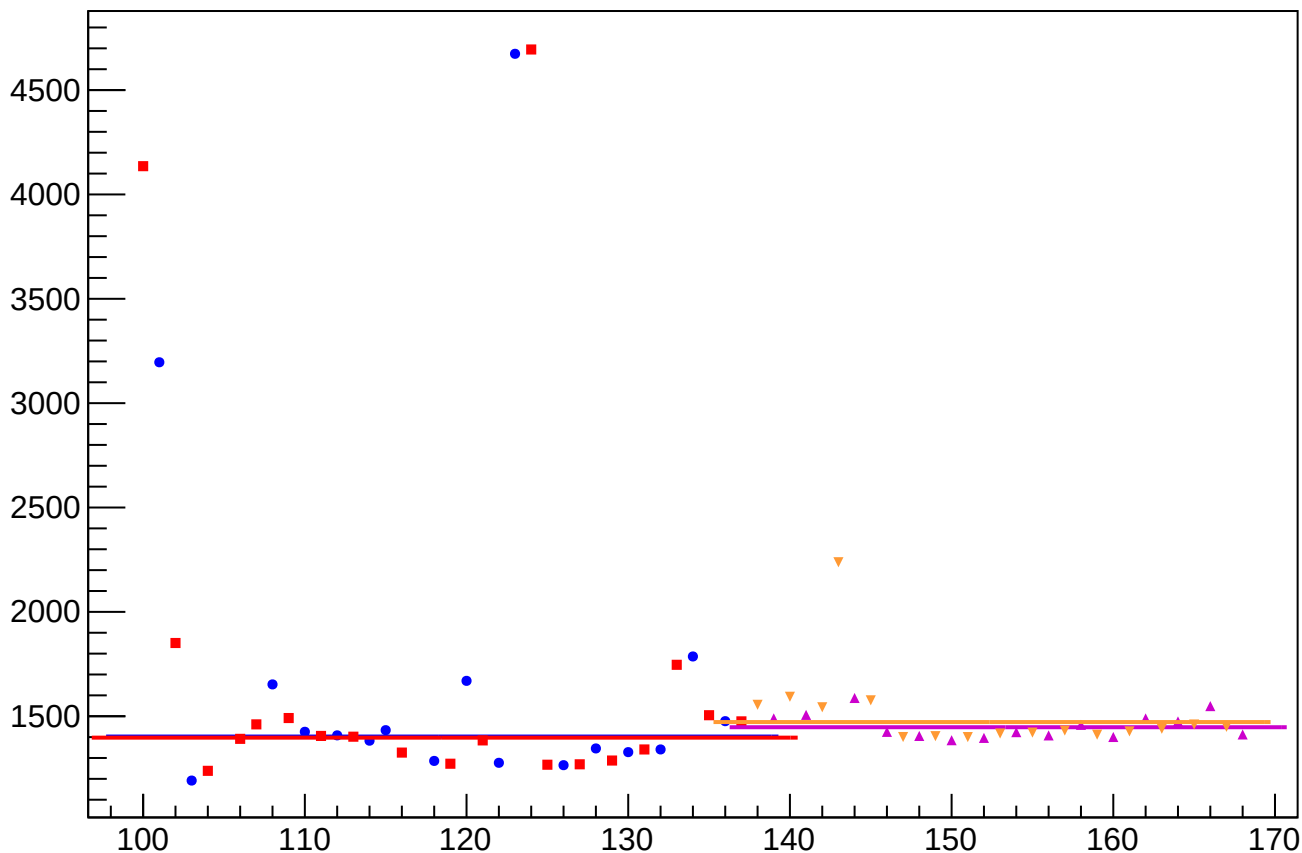
Right: -169.758 ± 386.953 χ^2/NDF : 32.4/35

In: -471.933 ± 336.248 χ^2/NDF : 23.1/31

Out: 411.485 ± 336.137 χ^2/NDF : 48.0/34

All: -30.078 ± 237.724 χ^2/NDF : 74.6/66

dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1402.709 $\pm$ 0.392 χ^2 /NDF: 526326.4/16

Left Out: 1472.119 $\pm$ 0.304 χ^2 /NDF:199824.6/15

Right Out: 1397.442 $\pm$ 0.382 χ^2 /NDF: 353365.4/18

Left In: 1447.322 $\pm$ 0.299 χ^2 /NDF:35519.5/14

Left: 1459.527 $\pm$ 0.213 χ^2 /NDF: 238730.2/30

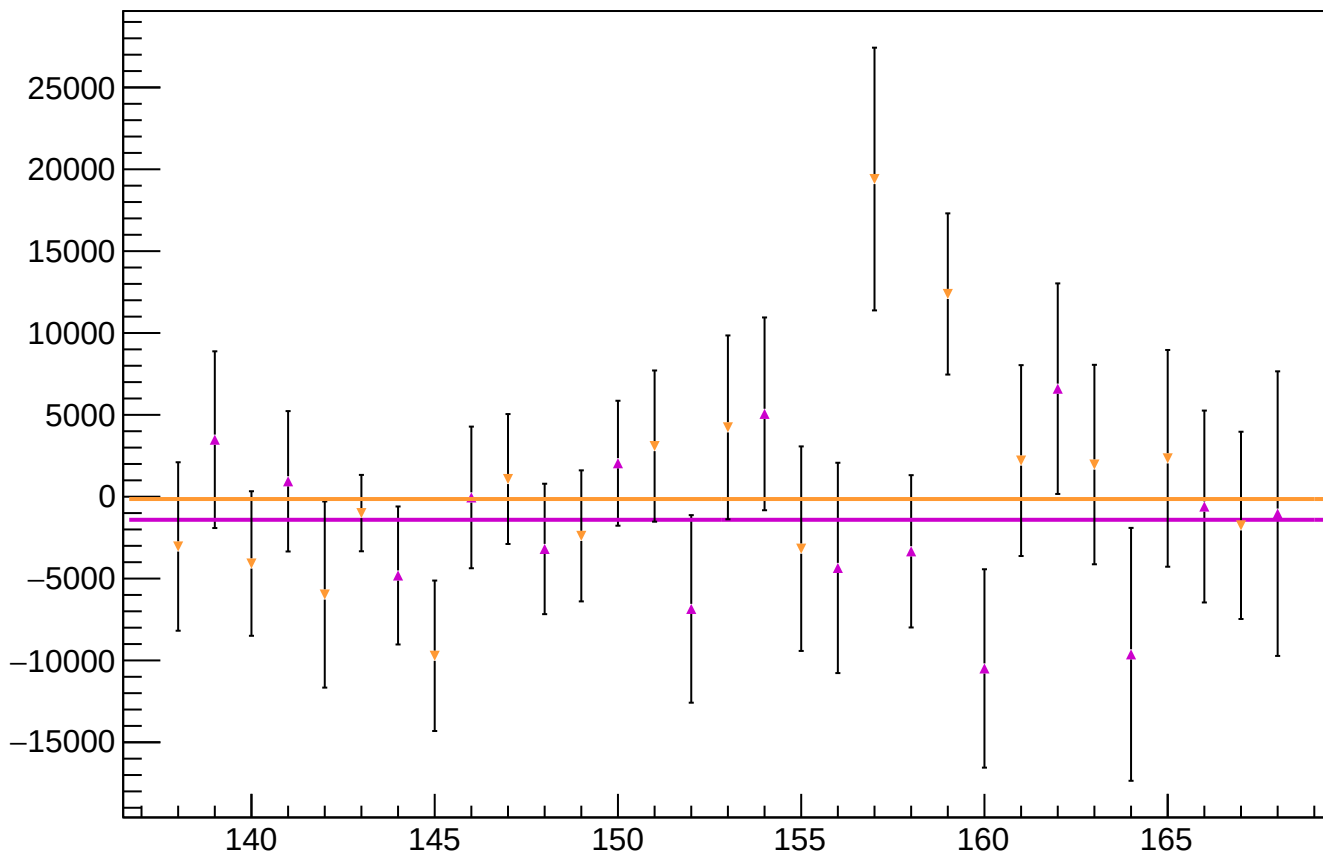
Right: 1400.004 $\pm$ 0.274 χ^2 /NDF: 879784.5/35

In: 1430.926 $\pm$ 0.238 χ^2 /NDF:570029.9/31

Out: 1443.174 $\pm$ 0.238 χ^2 /NDF:576631.4/34

All: 1437.054 $\pm$ 0.168 χ^2 /NDF: 1147988.8/66

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -141.066+/-1156.316 χ^2/NDF :21.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1409.396+/-1324.020 χ^2/NDF :10.3/14

Left: -689.865+/-870.934 χ^2/NDF : 32.2/30

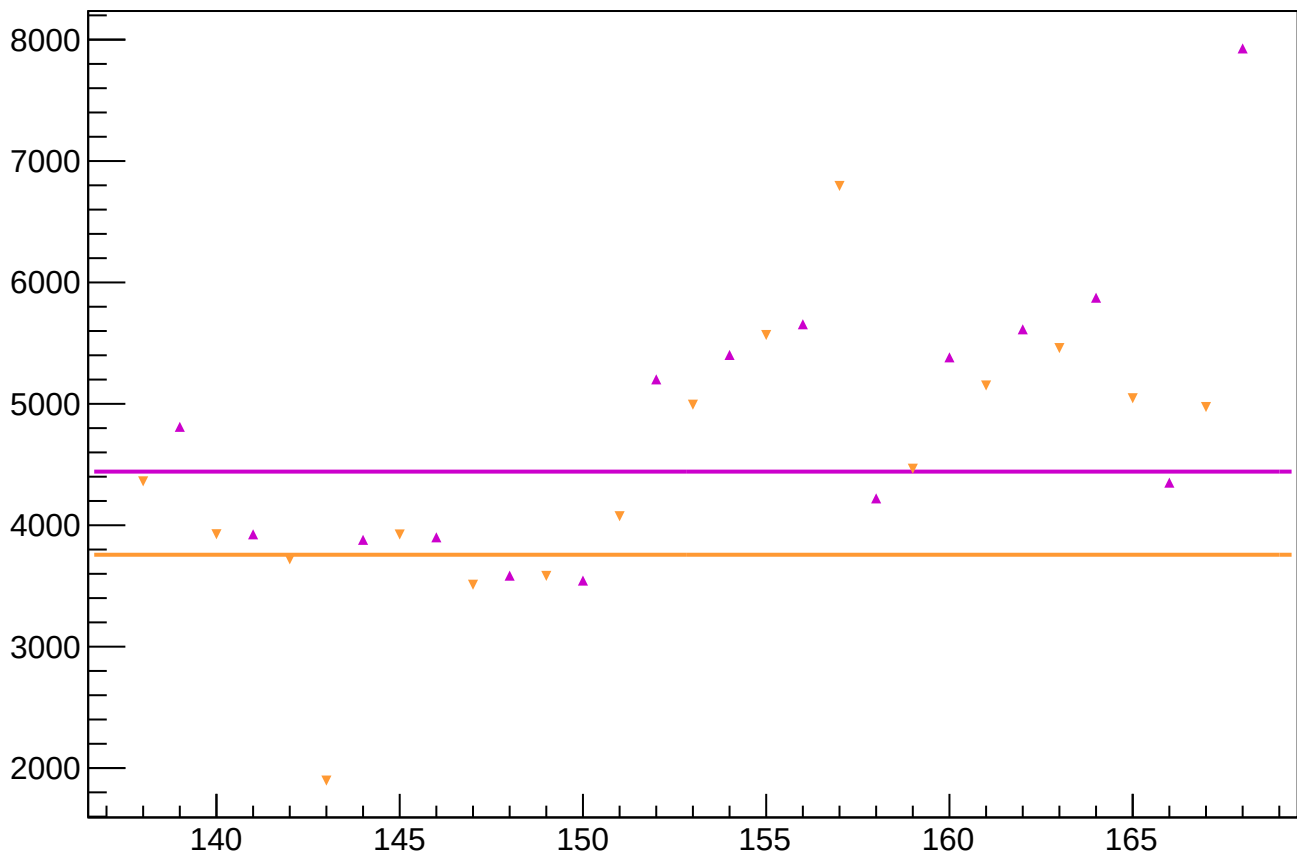
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1409.396+/-1324.020 χ^2/NDF :10.3/14

Out: -141.066+/-1156.316 χ^2/NDF :21.3/15

All: -689.865+/-870.934 χ^2/NDF : 32.2/30

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 3757.134+/-0.818 χ^2/NDF :2356266.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 4441.869+/-0.936 χ^2/NDF :978362.8/14

Left: 4053.415+/-0.616 χ^2/NDF : 3638090.1/30

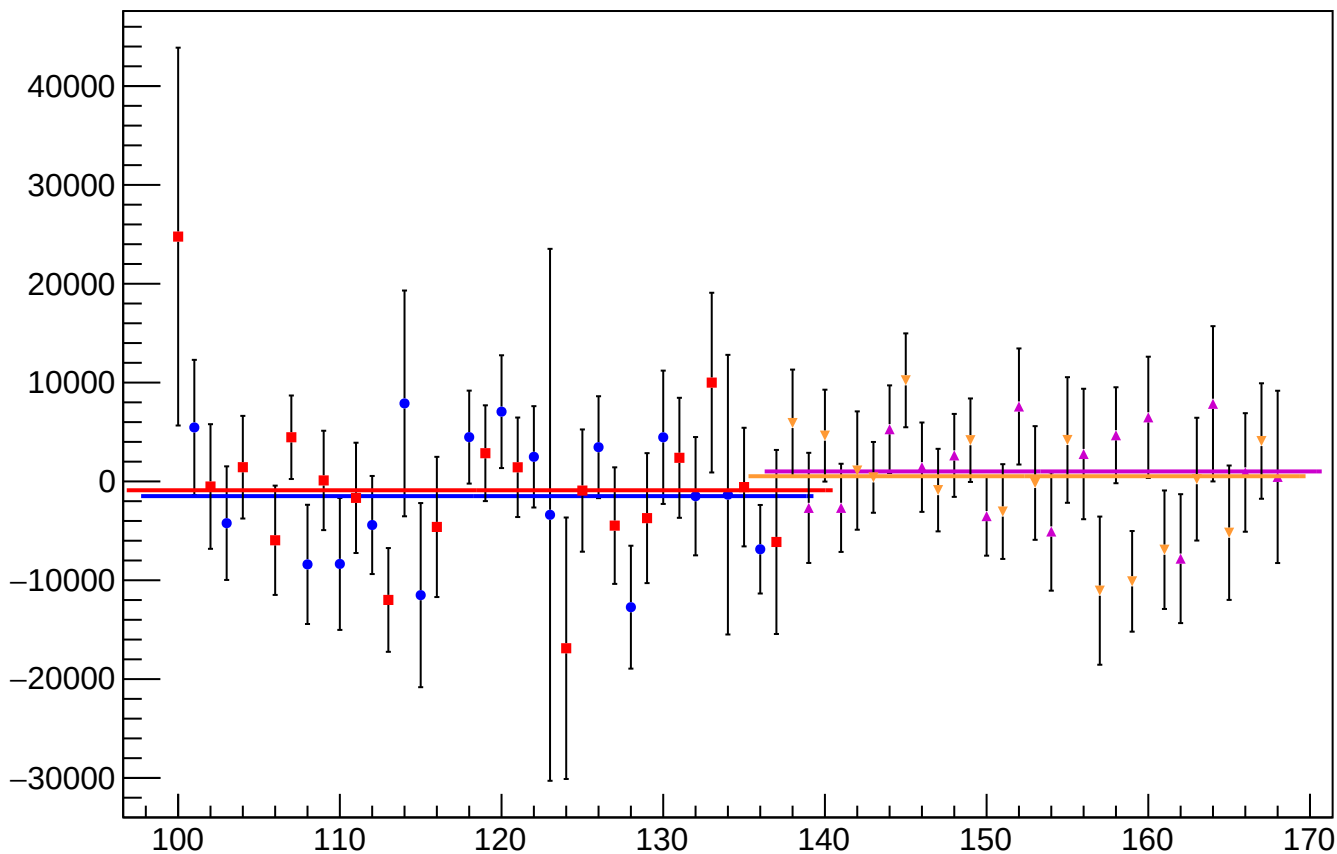
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4441.869+/-0.936 χ^2/NDF :978362.8/14

Out: 3757.134+/-0.818 χ^2/NDF :2356266.1/15

All: 4053.415+/-0.616 χ^2/NDF : 3638090.1/30

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1487.038 ± 1499.116 $\chi^2/\text{NDF}: 16.7/16$

Left Out: 525.515 ± 1287.124 $\chi^2/\text{NDF}: 17.1/15$

Right Out: -894.160 ± 1378.910 $\chi^2/\text{NDF}: 14.1/18$

Left In: 1011.481 ± 1372.278 $\chi^2/\text{NDF}: 9.8/14$

Left: 752.953 ± 938.795 $\chi^2/\text{NDF}: 26.9/30$

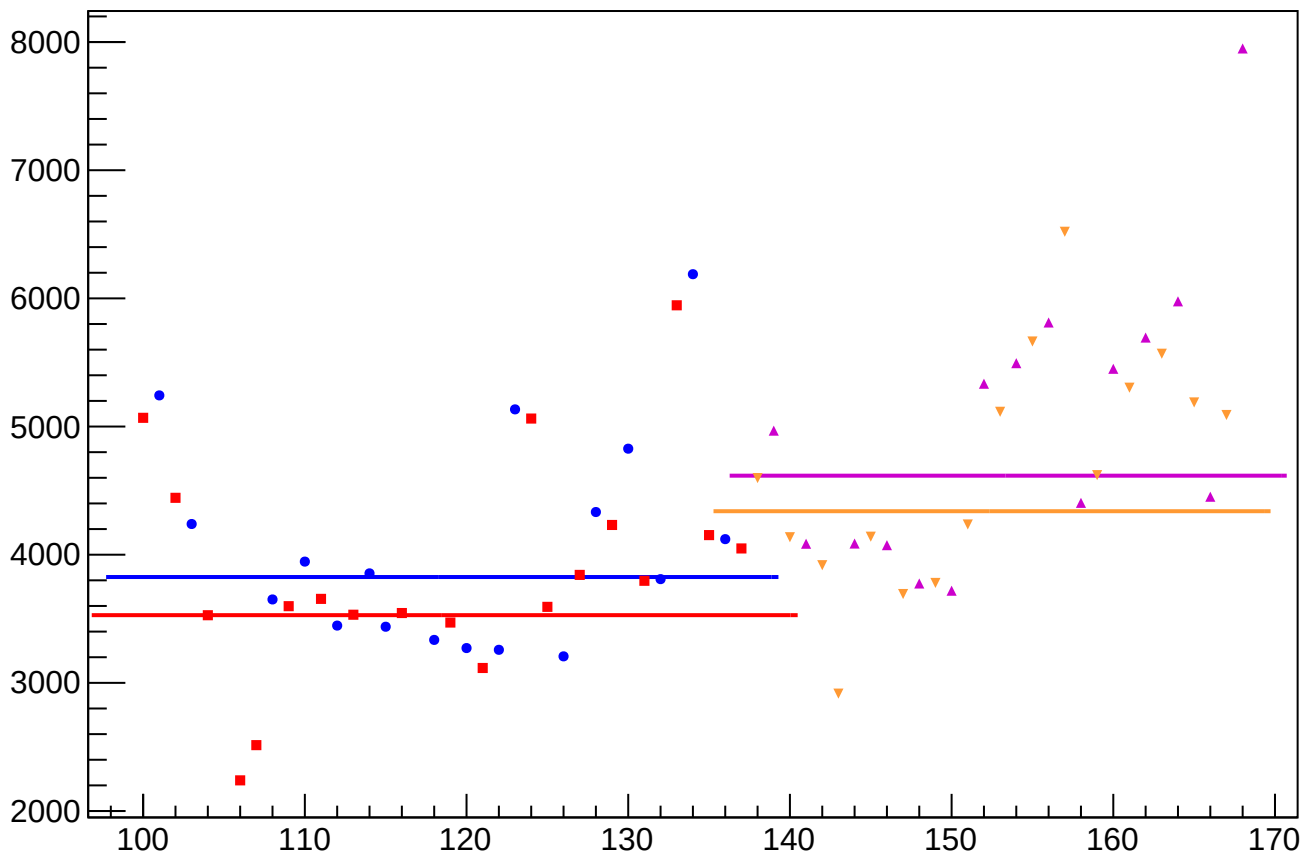
Right: -1165.879 ± 1014.876 $\chi^2/\text{NDF}: 30.9/35$

In: -127.626 ± 1012.223 $\chi^2/\text{NDF}: 28.0/31$

Out: -135.504 ± 940.911 $\chi^2/\text{NDF}: 31.8/34$

All: -131.852 ± 689.157 $\chi^2/\text{NDF}: 59.8/66$

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3825.844+/-1.060 χ^2/NDF : 334404.3/16

Left Out: 4339.336+/-0.910 χ^2/NDF : 914192.0/15

Right Out: 3528.289+/-0.966 χ^2/NDF : 555414.1/18

Left In: 4616.627+/-0.970 χ^2/NDF : 862375.6/14

Left: 4469.112+/-0.664 χ^2/NDF : 1820010.3/30

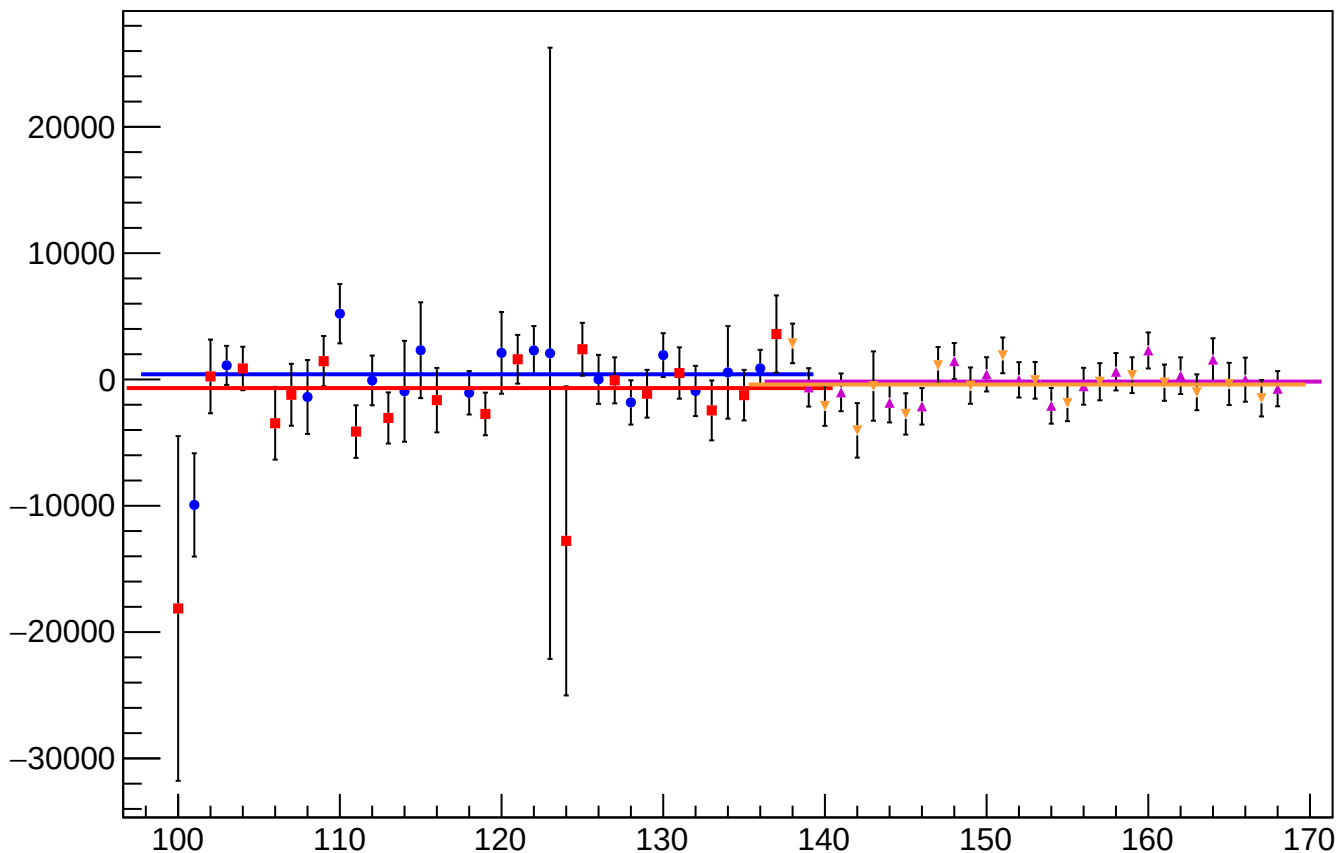
Right: 3663.316+/-0.714 χ^2/NDF : 932858.8/35

In: 4256.088+/-0.716 χ^2/NDF : 1499579.2/31

Out: 3958.015+/-0.662 χ^2/NDF : 1842965.2/34

All: 4095.551+/-0.486 χ^2/NDF : 3435952.8/66

dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 411.419 $\pm$ 527.980 χ^2 /NDF: 16.5/16

Left Out: -397.891 $\pm$ 385.518 χ^2 /NDF:16.2/15

Right Out: -682.176 $\pm$ 510.196 χ^2 /NDF: 18.0/18

Left In: -167.526 $\pm$ 380.490 χ^2 /NDF:11.4/14

Left: -281.197 $\pm$ 270.807 χ^2 /NDF: 27.8/30

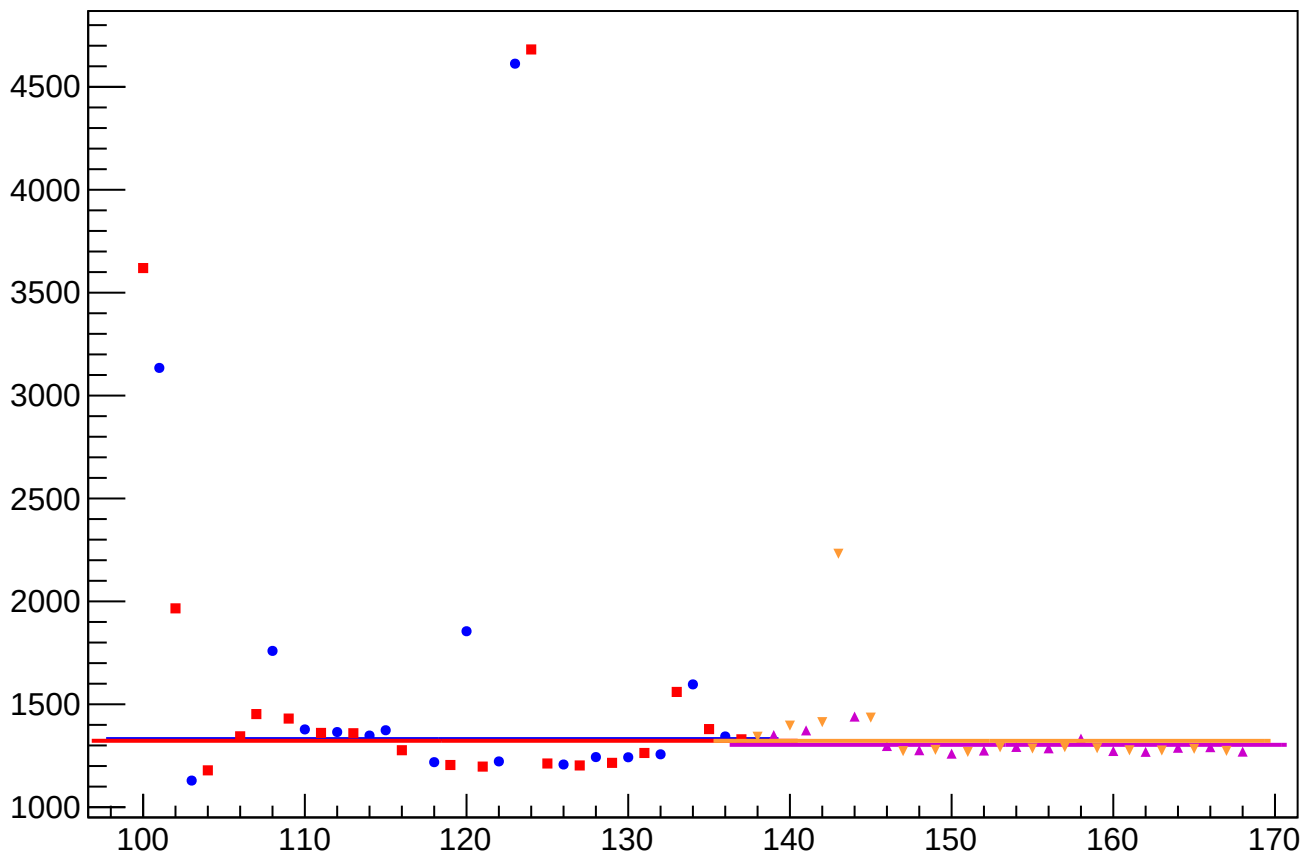
Right: -154.107 $\pm$ 366.889 χ^2 /NDF: 36.8/35

In: 30.369 $\pm$ 308.685 χ^2 /NDF:28.7/31

Out: -501.215 $\pm$ 307.581 χ^2 /NDF:34.5/34

All: -236.375 $\pm$ 217.882 χ^2 /NDF: 64.7/66

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1330.889+/-0.373 χ^2/NDF : 603474.5/16

Left Out: 1322.340+/-0.273 χ^2/NDF : 256491.1/15

Right Out: 1322.706+/-0.361 χ^2/NDF : 394413.6/18

Left In: 1303.034+/-0.269 χ^2/NDF : 29865.7/14

Left: 1312.560+/-0.191 χ^2/NDF : 288897.6/30

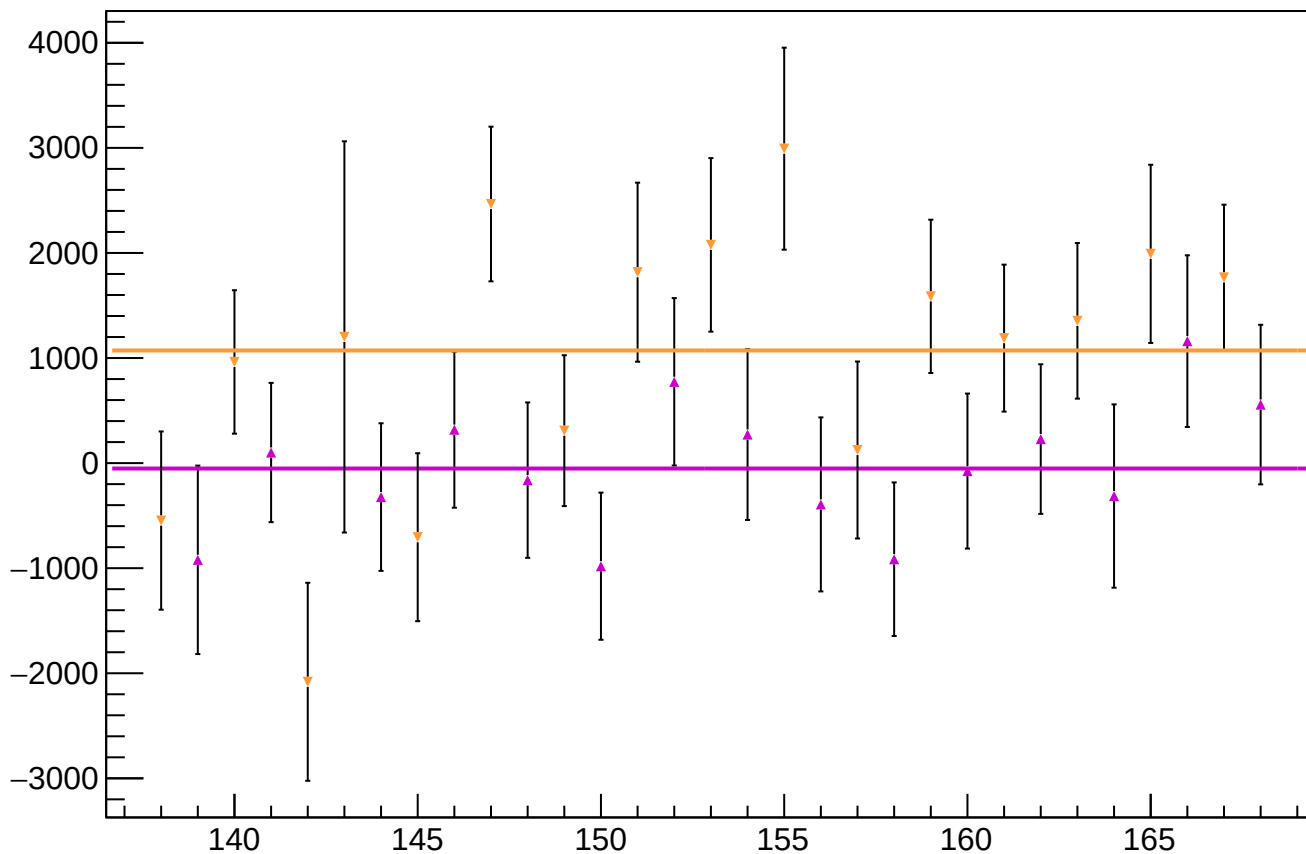
Right: 1326.657+/-0.259 χ^2/NDF : 998136.6/35

In: 1312.555+/-0.218 χ^2/NDF : 637004.3/31

Out: 1322.473+/-0.217 χ^2/NDF : 650905.4/34

All: 1317.532+/-0.154 χ^2/NDF : 1288945.6/66

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1072.173+/-200.535 χ^2/NDF :34.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -51.608+/-196.101 χ^2/NDF :9.1/14

Left: 497.722+/-140.206 χ^2/NDF : 60.0/30

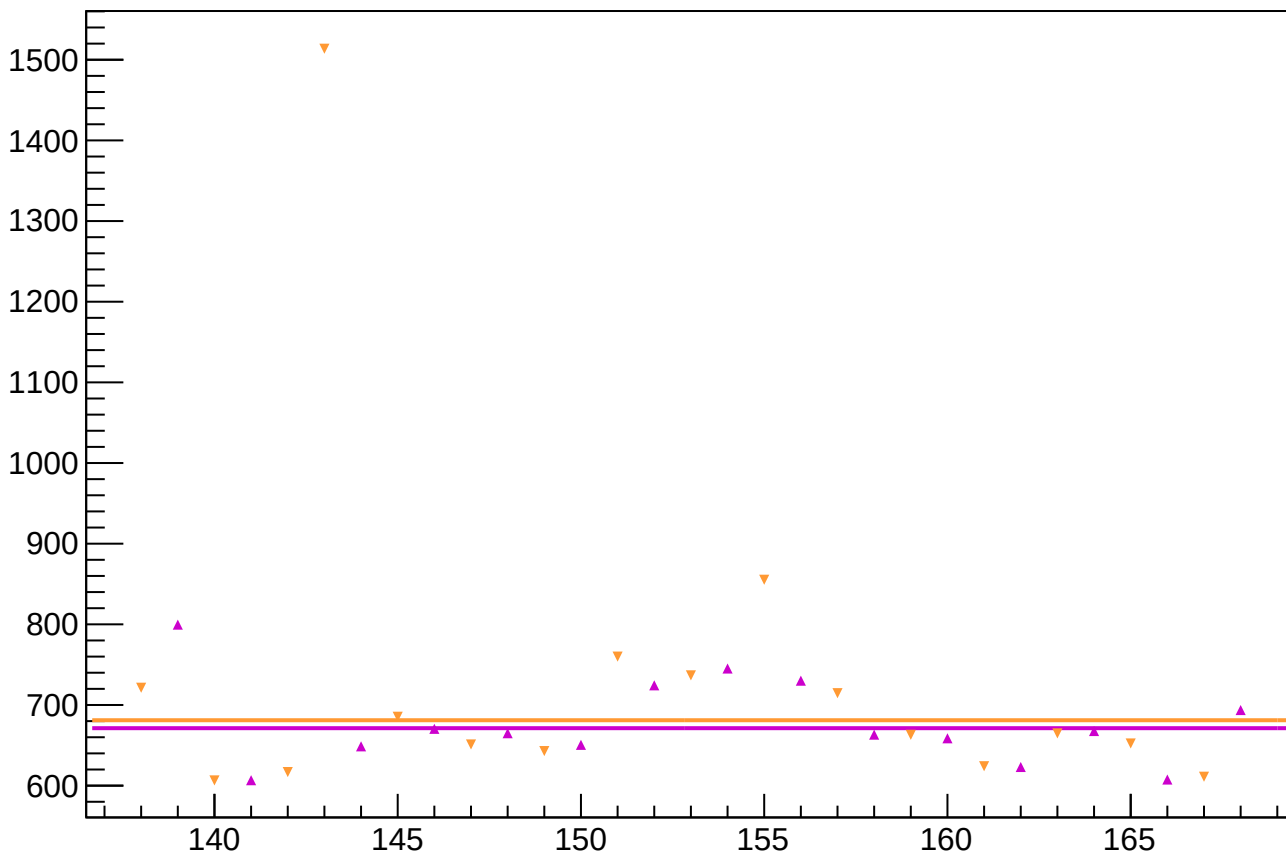
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -51.608+/-196.101 χ^2/NDF :9.1/14

Out: 1072.173+/-200.535 χ^2/NDF :34.9/15

All: 497.722+/-140.206 χ^2/NDF : 60.0/30

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 681.103+/-0.142 χ^2/NDF :580149.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 671.240+/-0.139 χ^2/NDF :123343.4/14

Left: 676.061+/-0.099 χ^2/NDF : 705966.1/30

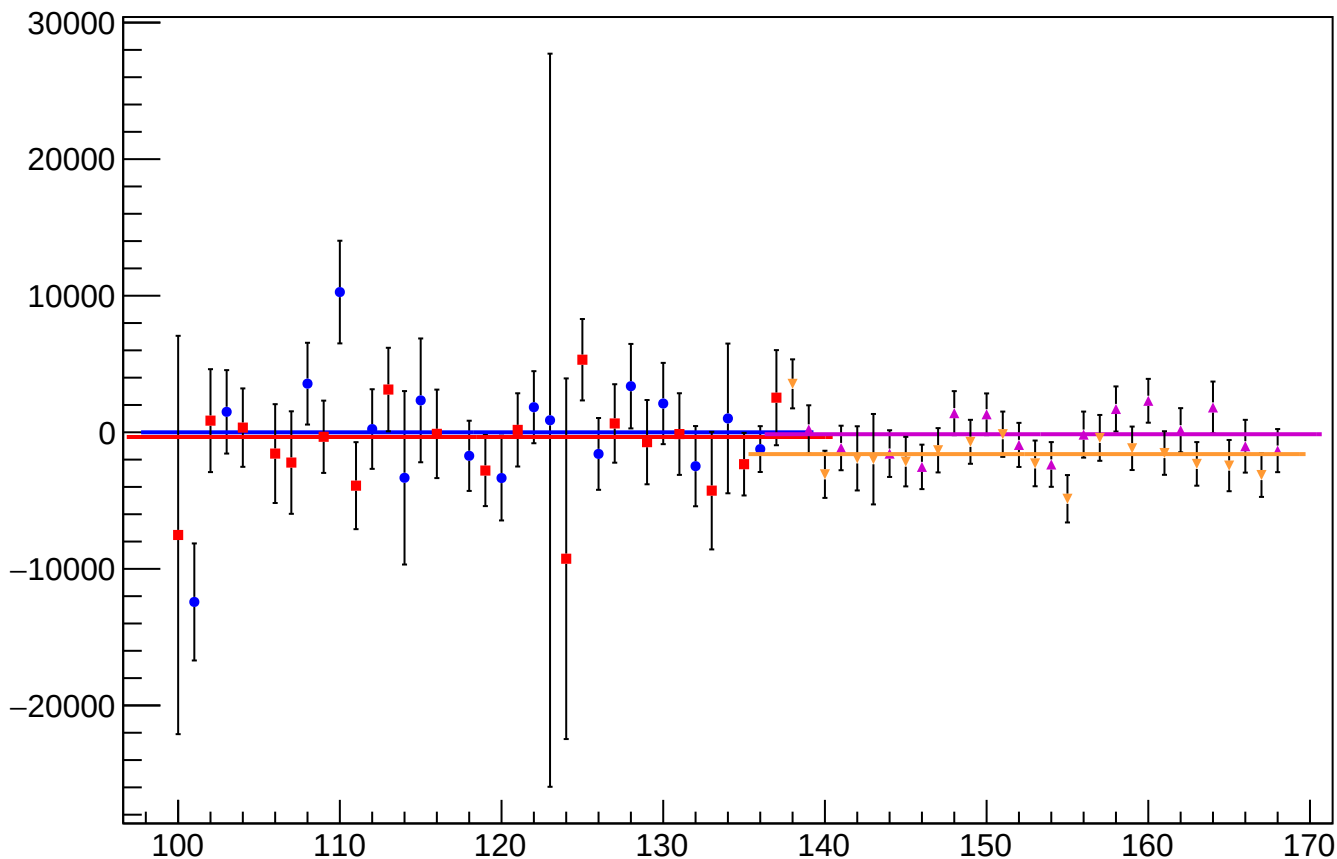
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 671.240+/-0.139 χ^2/NDF :123343.4/14

Out: 681.103+/-0.142 χ^2/NDF :580149.7/15

All: 676.061+/-0.099 χ^2/NDF : 705966.1/30

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: -2.204 ± 745.061 $\chi^2/\text{NDF}: 23.5/16$

Left Out: -1597.134 ± 436.440 $\chi^2/\text{NDF}: 15.8/15$

Right Out: -345.148 ± 733.723 $\chi^2/\text{NDF}: 10.7/18$

Left In: -141.492 ± 429.393 $\chi^2/\text{NDF}: 12.6/14$

Left: -857.466 ± 306.087 $\chi^2/\text{NDF}: 34.1/30$

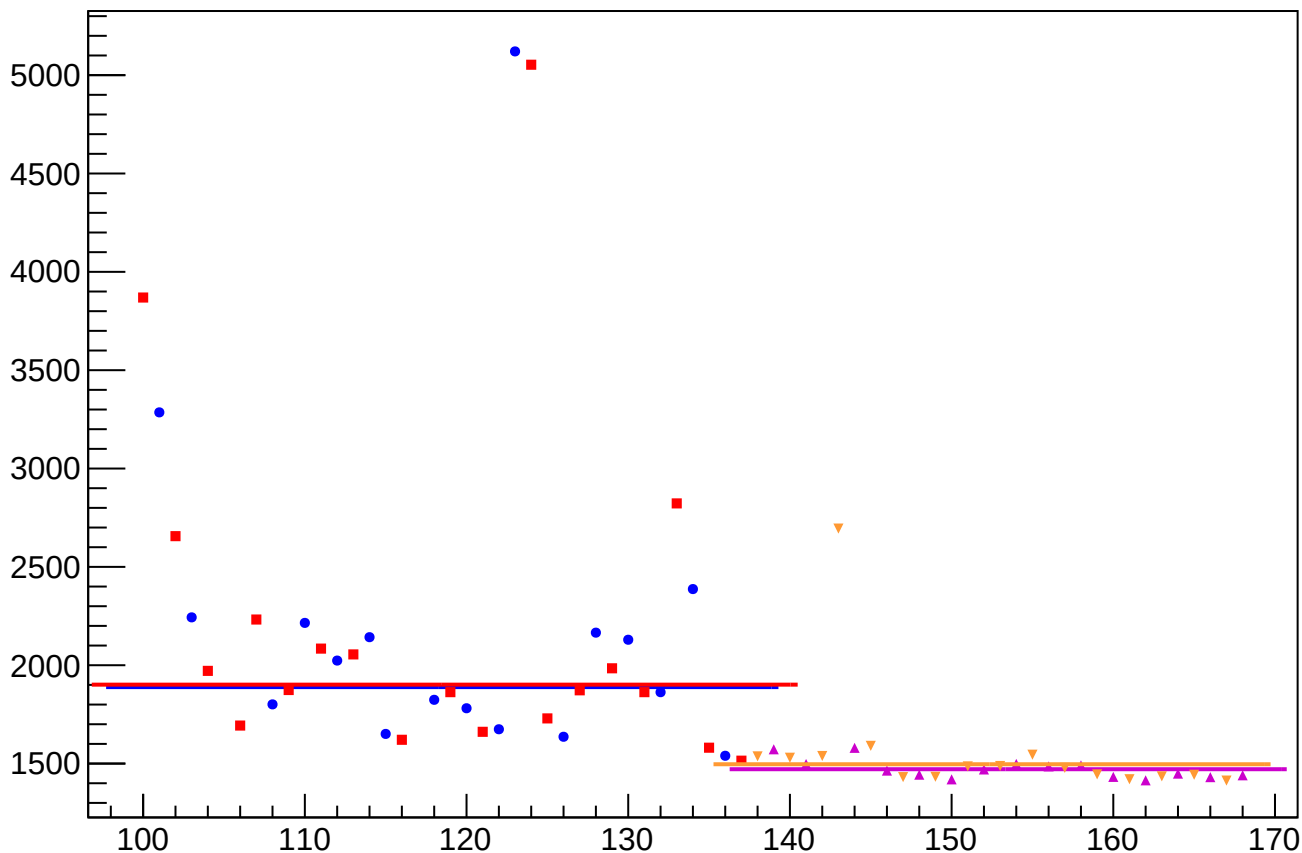
Right: -176.305 ± 522.783 $\chi^2/\text{NDF}: 34.3/35$

In: -106.764 ± 372.031 $\chi^2/\text{NDF}: 36.2/31$

Out: -1269.927 ± 375.097 $\chi^2/\text{NDF}: 28.7/34$

All: -683.572 ± 264.143 $\chi^2/\text{NDF}: 69.7/66$

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1888.810+/-0.527 χ^2/NDF : 465842.8/16

Left Out: 1496.560+/-0.309 χ^2/NDF : 294525.7/15

Right Out: 1901.248+/-0.519 χ^2/NDF : 461424.3/18

Left In: 1471.297+/-0.304 χ^2/NDF : 24603.1/14

Left: 1483.723+/-0.216 χ^2/NDF : 322533.7/30

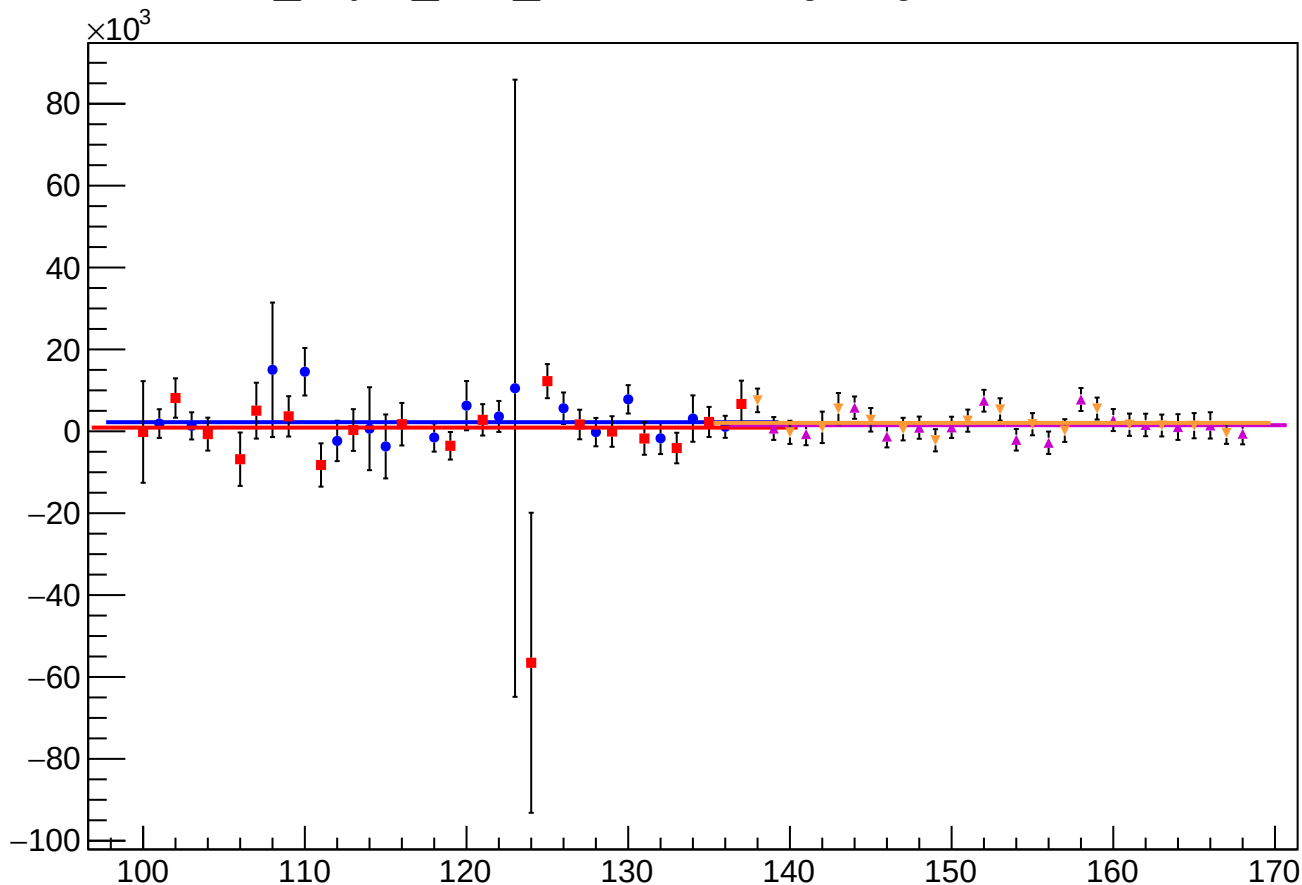
Right: 1895.125+/-0.370 χ^2/NDF : 927550.0/35

In: 1575.397+/-0.263 χ^2/NDF : 961900.1/31

Out: 1602.327+/-0.265 χ^2/NDF : 1205373.2/34

All: 1588.752+/-0.187 χ^2/NDF : 2172470.3/66

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 2227.517 $\pm$ 1039.288 χ^2 /NDF: 13.6/16

Left Out: 2055.853 $\pm$ 712.595 χ^2 /NDF:12.7/15

Right Out: 907.837 $\pm$ 1046.878 χ^2 /NDF: 22.9/18

Left In: 1494.649 $\pm$ 709.241 χ^2 /NDF:19.6/14

Left: 1773.927 $\pm$ 502.691 χ^2 /NDF: 32.6/30

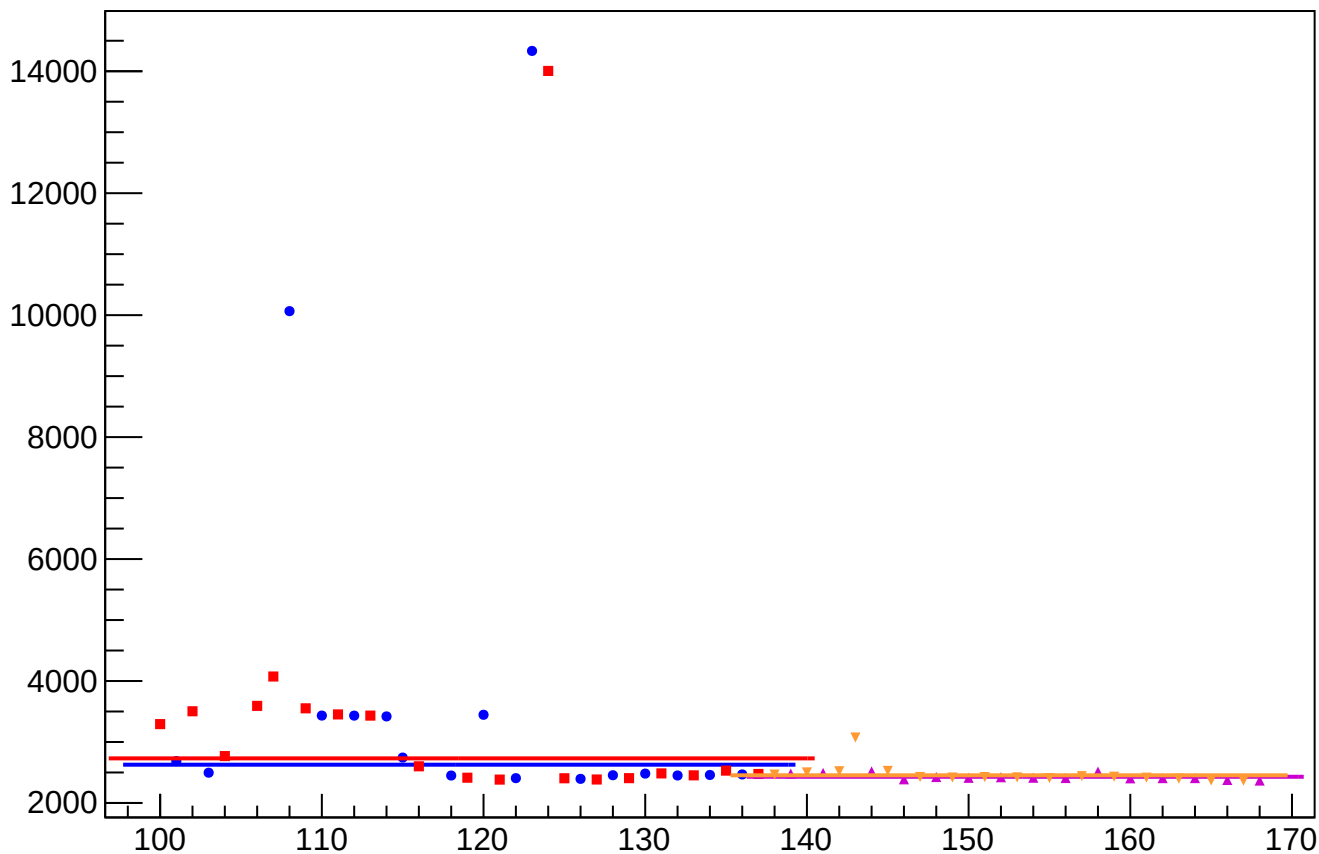
Right: 1572.479 $\pm$ 737.556 χ^2 /NDF: 37.3/35

In: 1727.508 $\pm$ 585.827 χ^2 /NDF:33.5/31

Out: 1692.358 $\pm$ 589.076 χ^2 /NDF:36.4/34

All: 1710.030 $\pm$ 415.386 χ^2 /NDF: 69.9/66

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2627.570+/-0.735 χ^2/NDF : 644396.7/16

Left Out: 2454.018+/-0.504 χ^2/NDF : 62197.2/15

Right Out: 2731.271+/-0.740 χ^2/NDF : 598207.5/18

Left In: 2429.700+/-0.502 χ^2/NDF : 8590.5/14

Left: 2441.801+/-0.355 χ^2/NDF : 71957.8/30

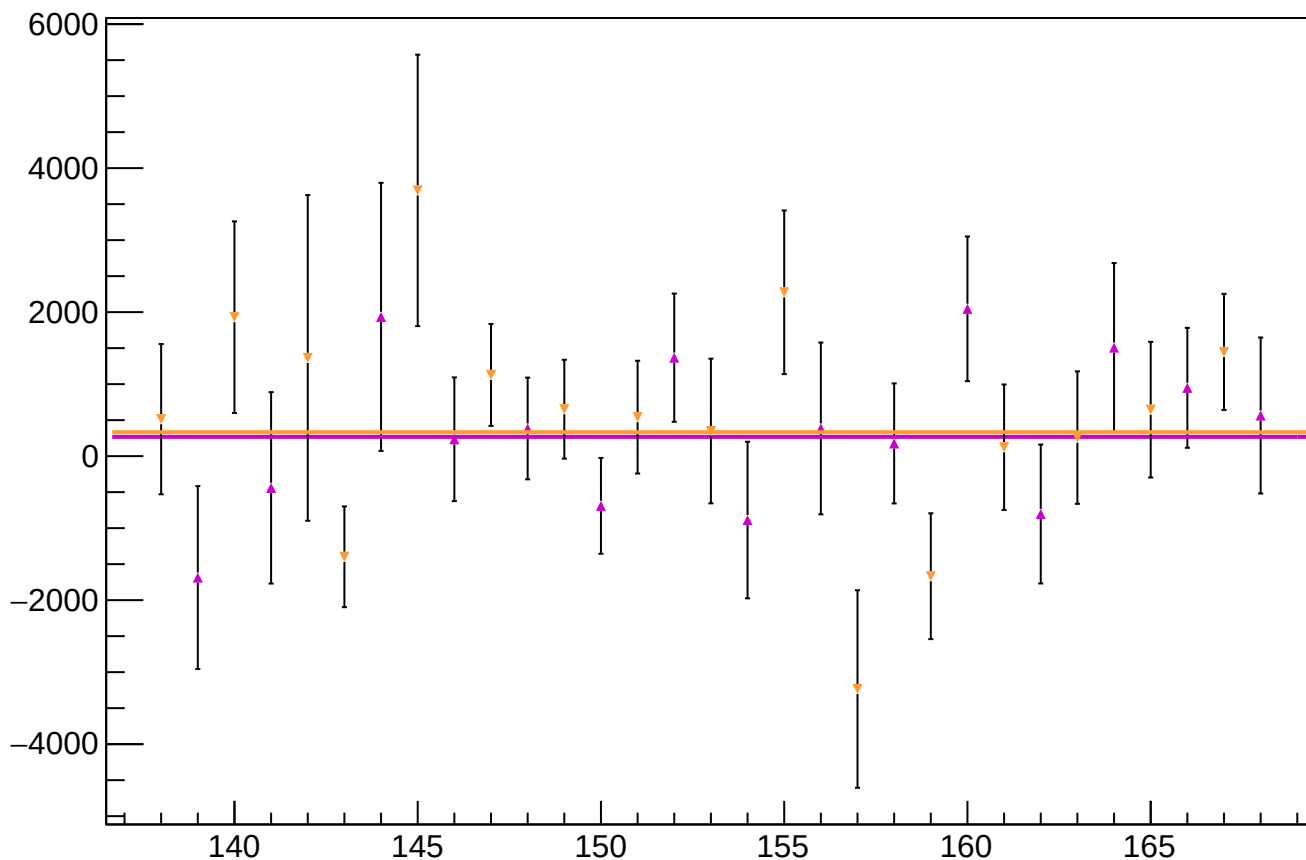
Right: 2679.043+/-0.522 χ^2/NDF : 1252488.0/35

In: 2492.570+/-0.414 χ^2/NDF : 702449.1/31

Out: 2541.804+/-0.417 χ^2/NDF : 756267.0/34

All: 2517.051+/-0.294 χ^2/NDF : 1465739.9/60

asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 332.420+/-232.338 χ^2/NDF :29.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 267.919+/-246.723 χ^2/NDF :14.5/14

Left: 302.105+/-169.145 χ^2/NDF : 44.0/30

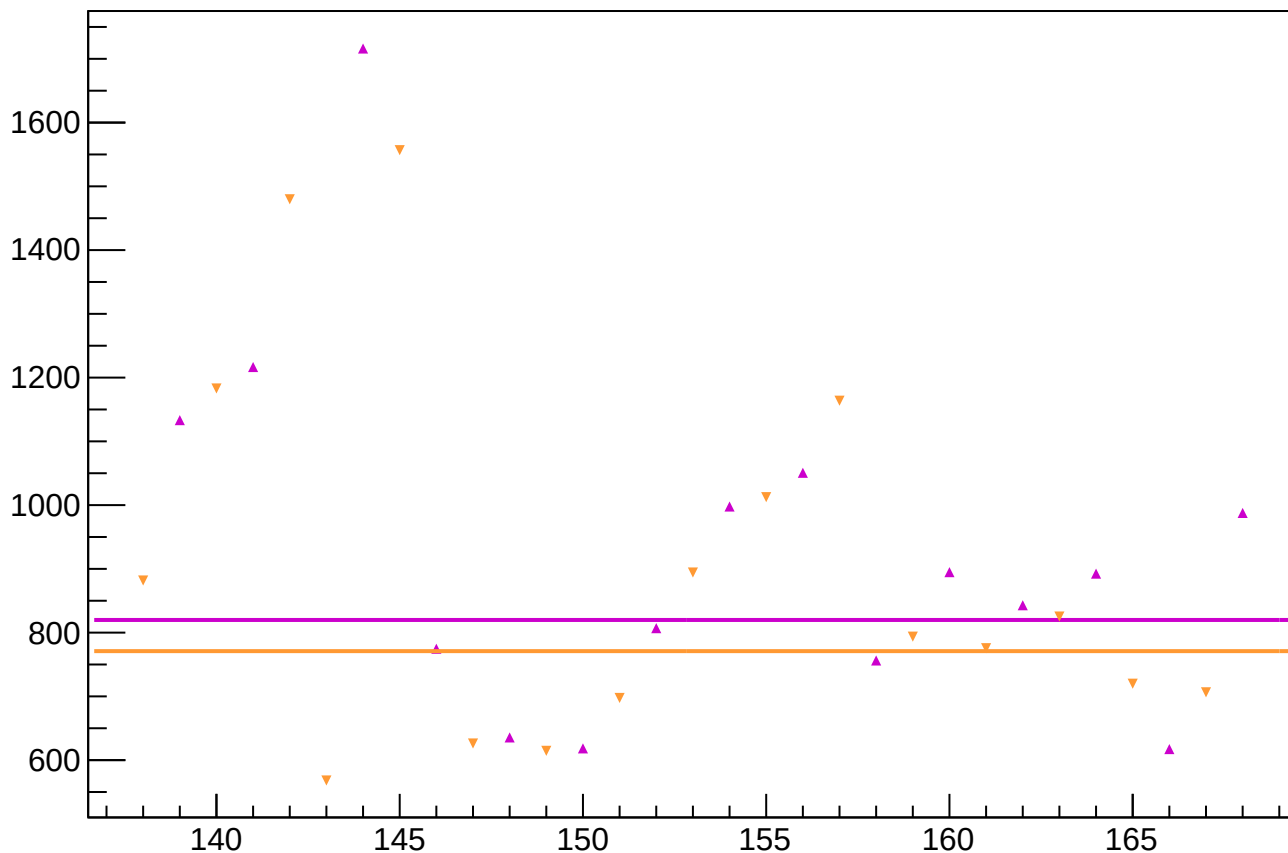
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 267.919+/-246.723 χ^2/NDF :14.5/14

Out: 332.420+/-232.338 χ^2/NDF :29.5/15

All: 302.105+/-169.145 χ^2/NDF : 44.0/30

asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 770.957+/-0.164 χ^2/NDF :1443041.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 819.861+/-0.174 χ^2/NDF :1415123.6/14

Left: 793.942+/-0.120 χ^2/NDF : 2899811.8/30

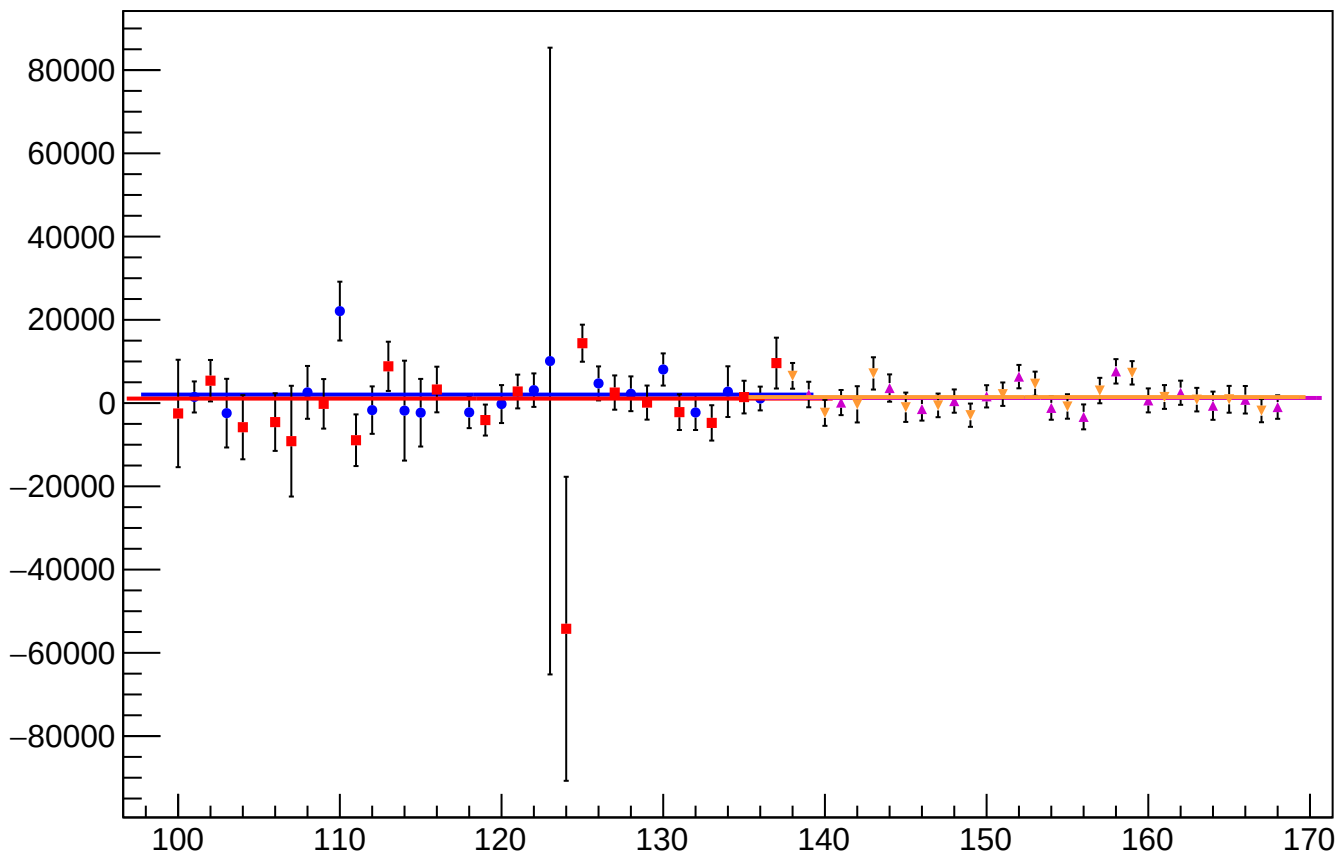
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 819.861+/-0.174 χ^2/NDF :1415123.6/14

Out: 770.957+/-0.164 χ^2/NDF :1443041.9/15

All: 793.942+/-0.120 χ^2/NDF : 2899811.8/30

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2037.803+/-1151.419 χ^2/NDF : 14.8/16

Left Out: 1443.364+/-761.582 χ^2/NDF : 17.7/15

Right Out: 1080.125+/-1186.666 χ^2/NDF : 25.3/18

Left In: 1231.433+/-760.992 χ^2/NDF : 14.0/14

Left: 1337.317+/-538.311 χ^2/NDF : 31.8/30

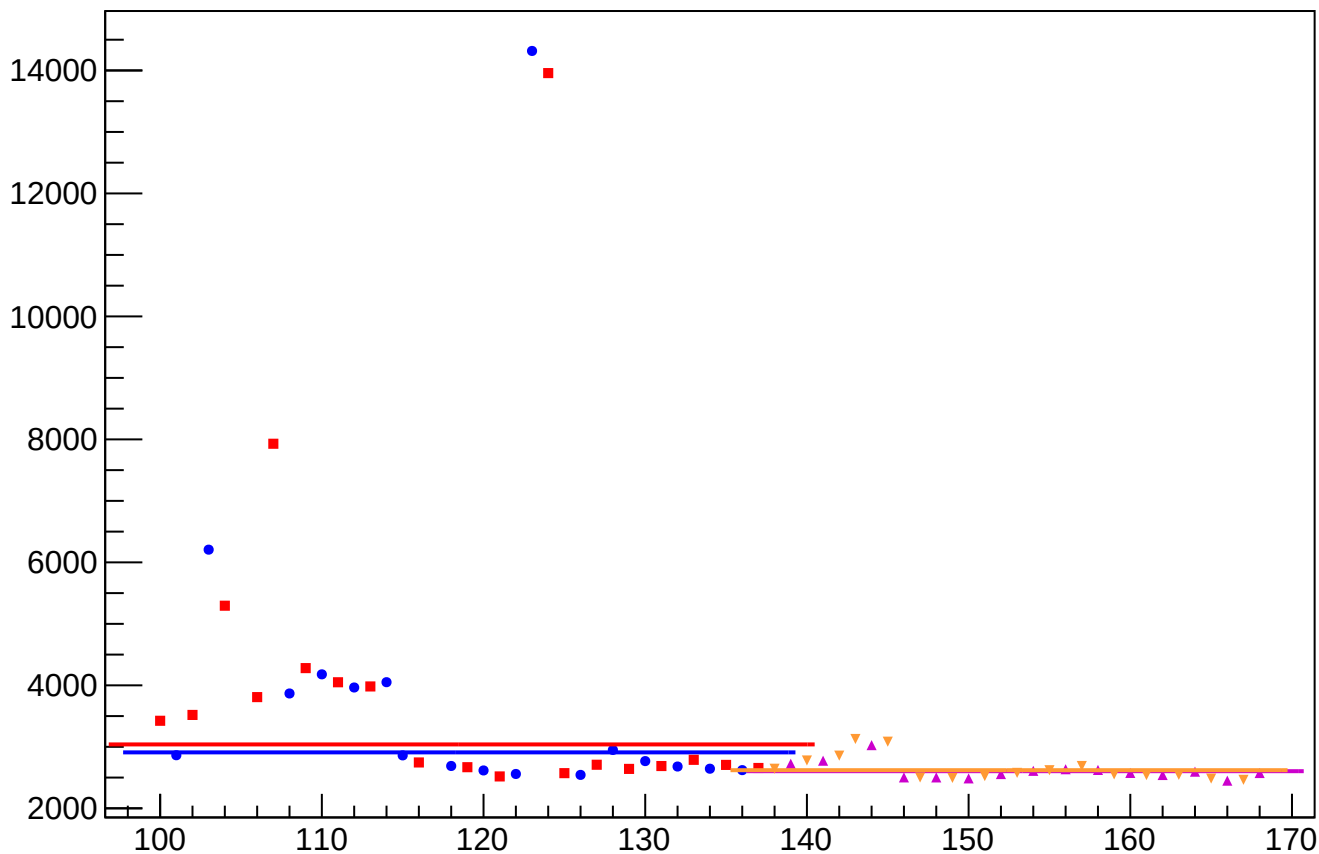
Right: 1573.398+/-826.356 χ^2/NDF : 40.5/35

In: 1476.581+/-634.863 χ^2/NDF : 29.2/31

Out: 1337.398+/-640.939 χ^2/NDF : 43.1/34

All: 1407.652+/-451.049 χ^2/NDF : 72.3/66

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2909.732 $\pm$ 0.814 χ^2 /NDF: 641894.7/16

Left Out: 2619.993 $\pm$ 0.539 χ^2 /NDF: 105416.2/15

Right Out: 3039.118 $\pm$ 0.839 χ^2 /NDF: 1011306.5/18

Left In: 2603.937 $\pm$ 0.538 χ^2 /NDF: 58513.3/14

Left: 2611.959 $\pm$ 0.381 χ^2 /NDF: 164374.4/30

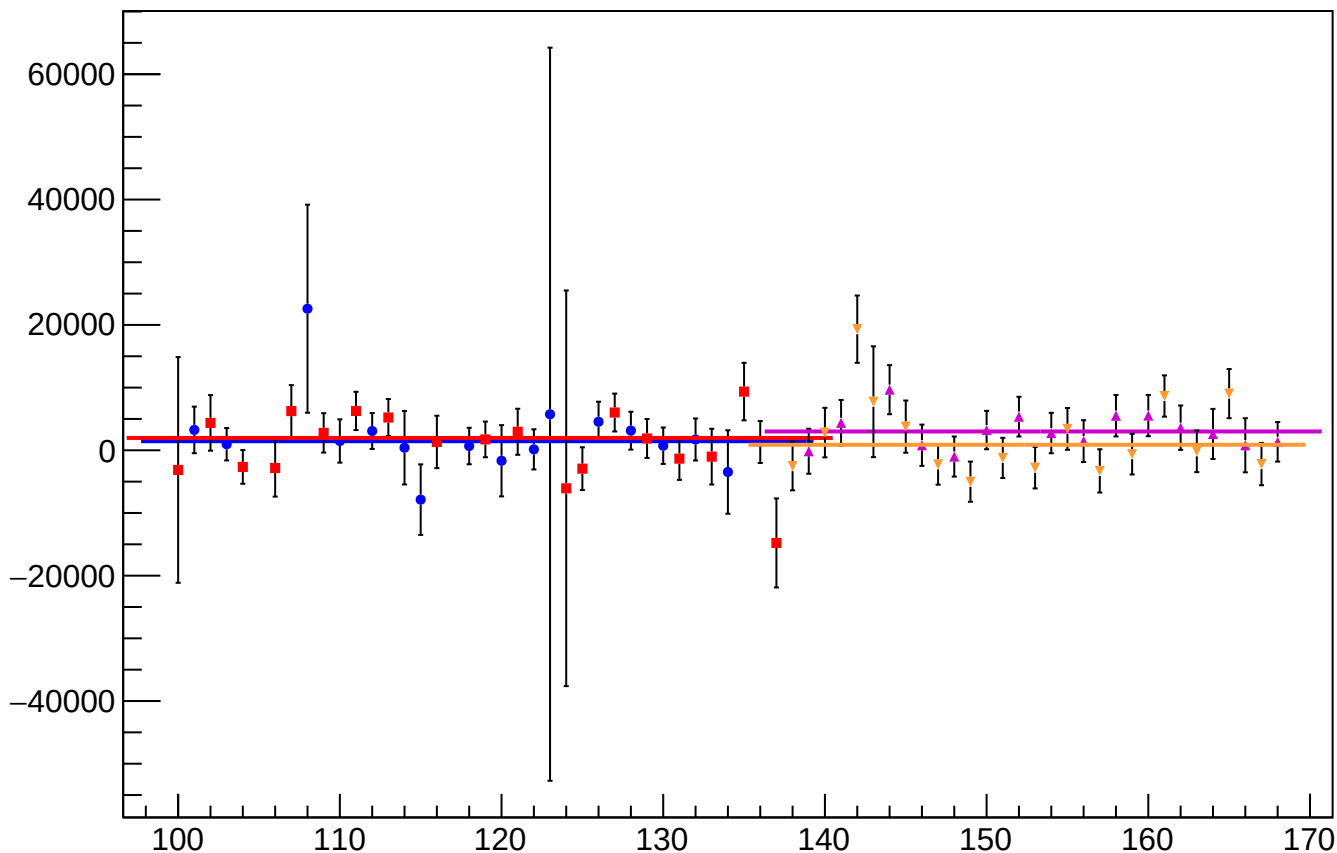
Right: 2972.475 $\pm$ 0.584 χ^2 /NDF: 1665447.8/35

In: 2696.903 $\pm$ 0.449 χ^2 /NDF: 798588.5/31

Out: 2742.263 $\pm$ 0.453 χ^2 /NDF: 1293432.0/34

All: 2719.367 $\pm$ 0.319 χ^2 /NDF: 2097076.8/66

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1451.980 $\pm$ 889.008 χ^2 /NDF: 7.4/16

Left Out: 881.901 $\pm$ 904.687 χ^2 /NDF:32.9/15

Right Out: 1969.182 $\pm$ 850.490 χ^2 /NDF: 22.4/18

Left In: 3002.591 $\pm$ 883.767 χ^2 /NDF:8.4/14

Left: 1967.049 $\pm$ 632.185 χ^2 /NDF: 44.1/30

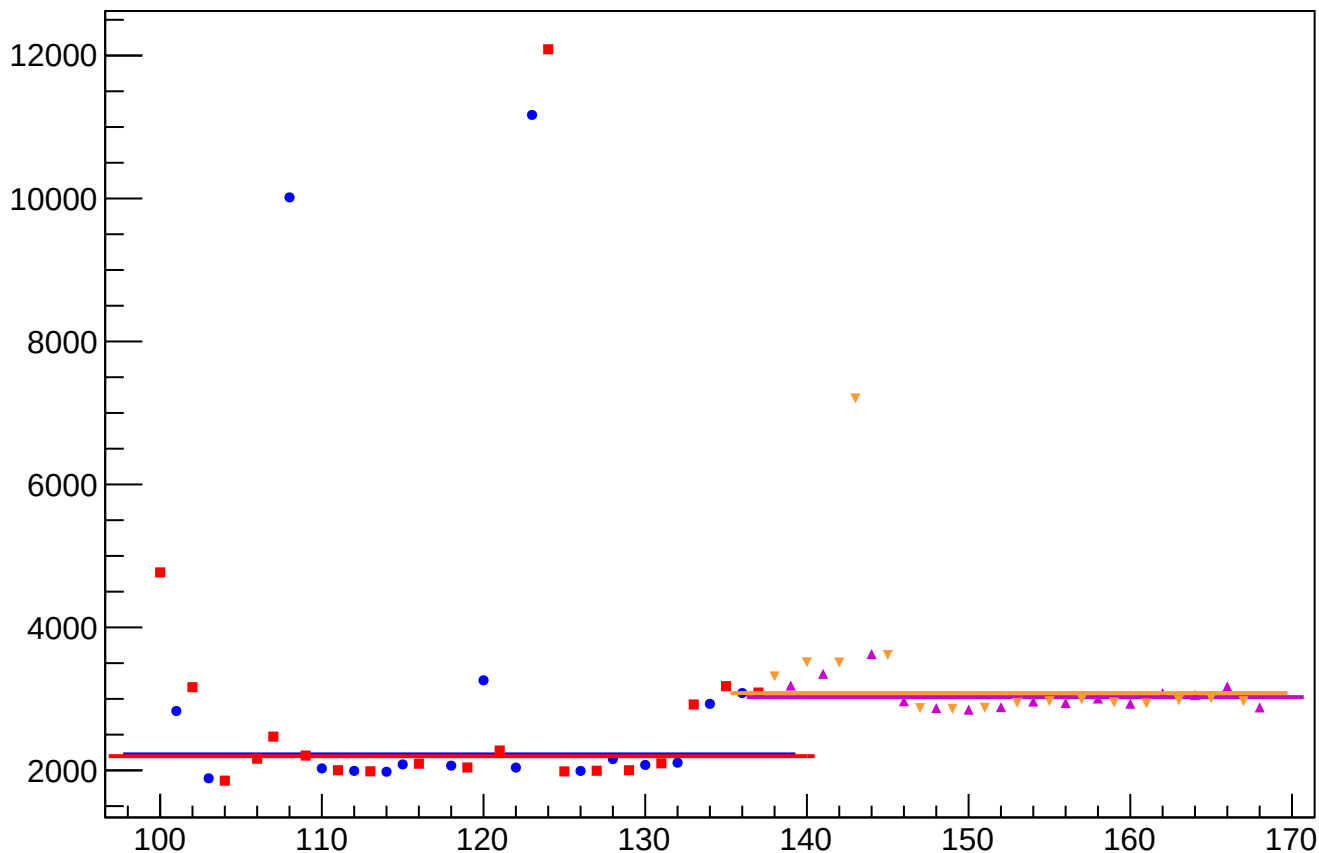
Right: 1722.028 $\pm$ 614.553 χ^2 /NDF: 30.0/35

In: 2231.870 $\pm$ 626.763 χ^2 /NDF:17.3/31

Out: 1459.083 $\pm$ 619.662 χ^2 /NDF:56.1/34

All: 1841.074 $\pm$ 440.656 χ^2 /NDF: 74.1/66

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2223.132 ± 0.629 $\chi^2/\text{NDF}: 850289.4/16$

Left Out: 3081.199 ± 0.640 $\chi^2/\text{NDF}: 556213.8/15$

Right Out: 2198.760 ± 0.601 $\chi^2/\text{NDF}: 602418.1/18$

Left In: 3024.627 ± 0.625 $\chi^2/\text{NDF}: 93883.4/14$

Left: 3052.251 ± 0.447 $\chi^2/\text{NDF}: 654099.0/30$

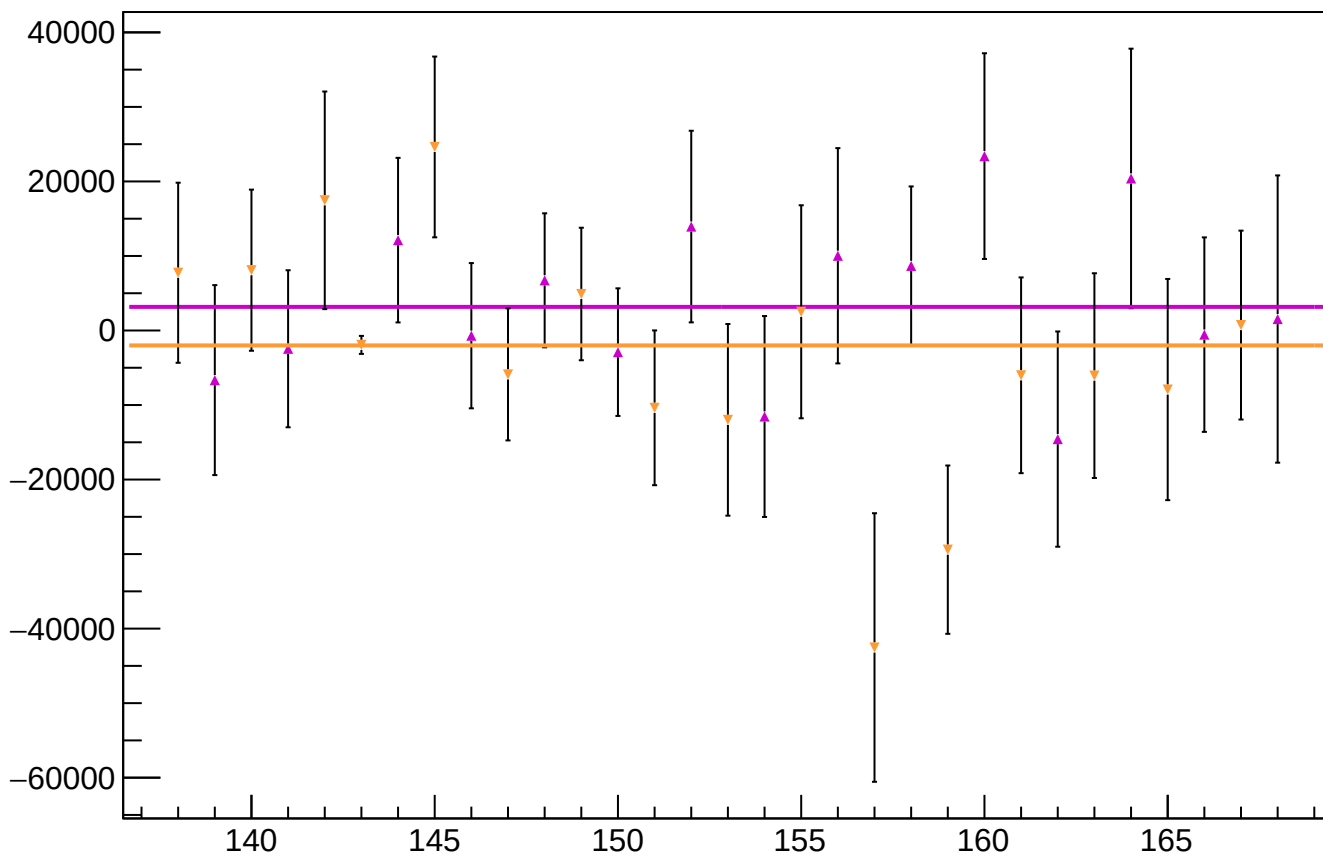
Right: 2210.398 ± 0.434 $\chi^2/\text{NDF}: 1453492.9/35$

In: 2626.248 ± 0.443 $\chi^2/\text{NDF}: 1761790.5/31$

Out: 2612.438 ± 0.438 $\chi^2/\text{NDF}: 2169440.4/34$

All: 2619.262 ± 0.312 $\chi^2/\text{NDF}: 3931722.1/66$

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -2001.130+/-1125.207 χ^2/NDF : 21.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 3170.166+/-3057.436 χ^2/NDF : 9.5/14

Left: -1384.272+/-1055.967 χ^2/NDF : 33.6/30

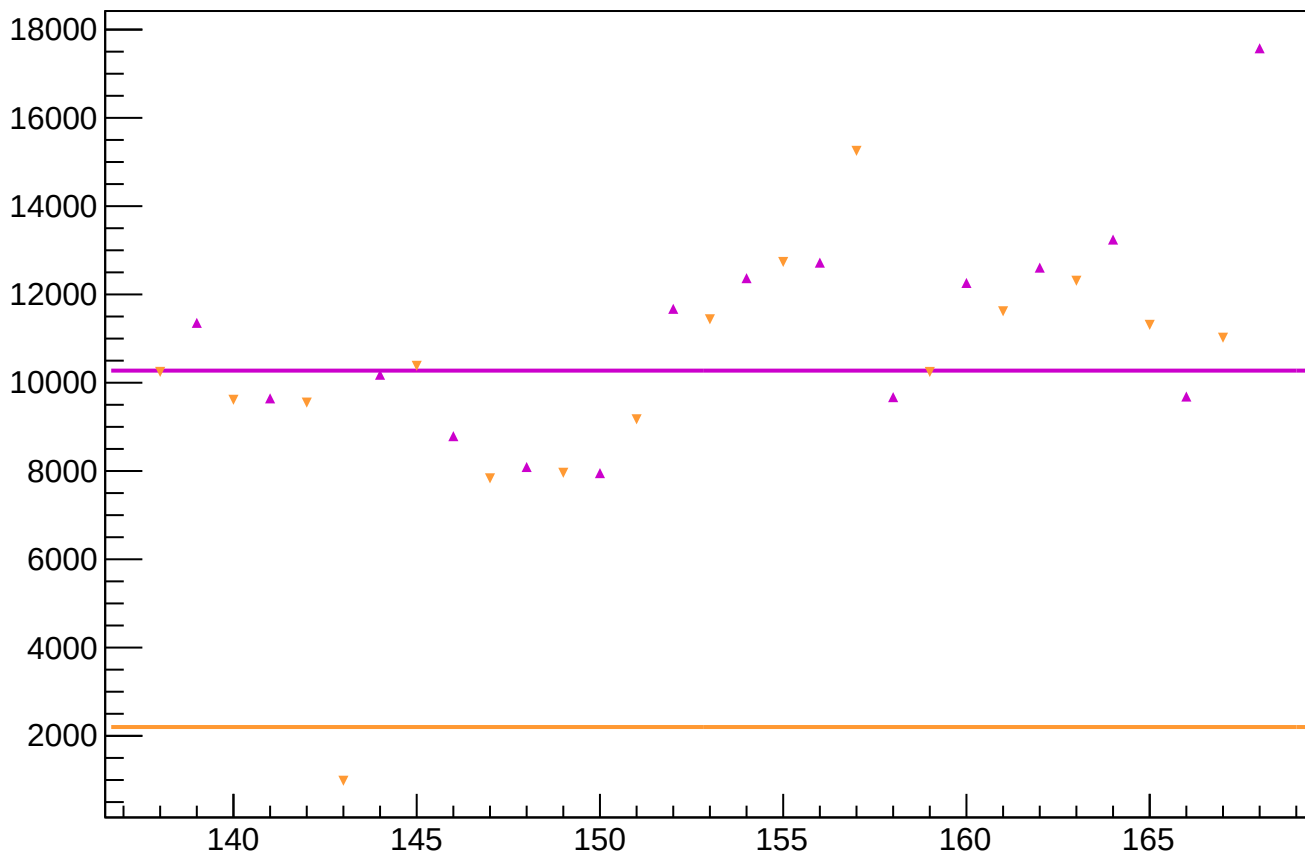
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3170.166+/-3057.436 χ^2/NDF : 9.5/14

Out: -2001.130+/-1125.207 χ^2/NDF : 21.6/15

All: -1384.272+/-1055.967 χ^2/NDF : 33.6/30

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 2200.119+/-0.796 χ^2/NDF :15841389.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 10274.196+/-2.162 χ^2/NDF :911938.5/14

Left: 3163.235+/-0.747 χ^2/NDF : 29037236.0/30

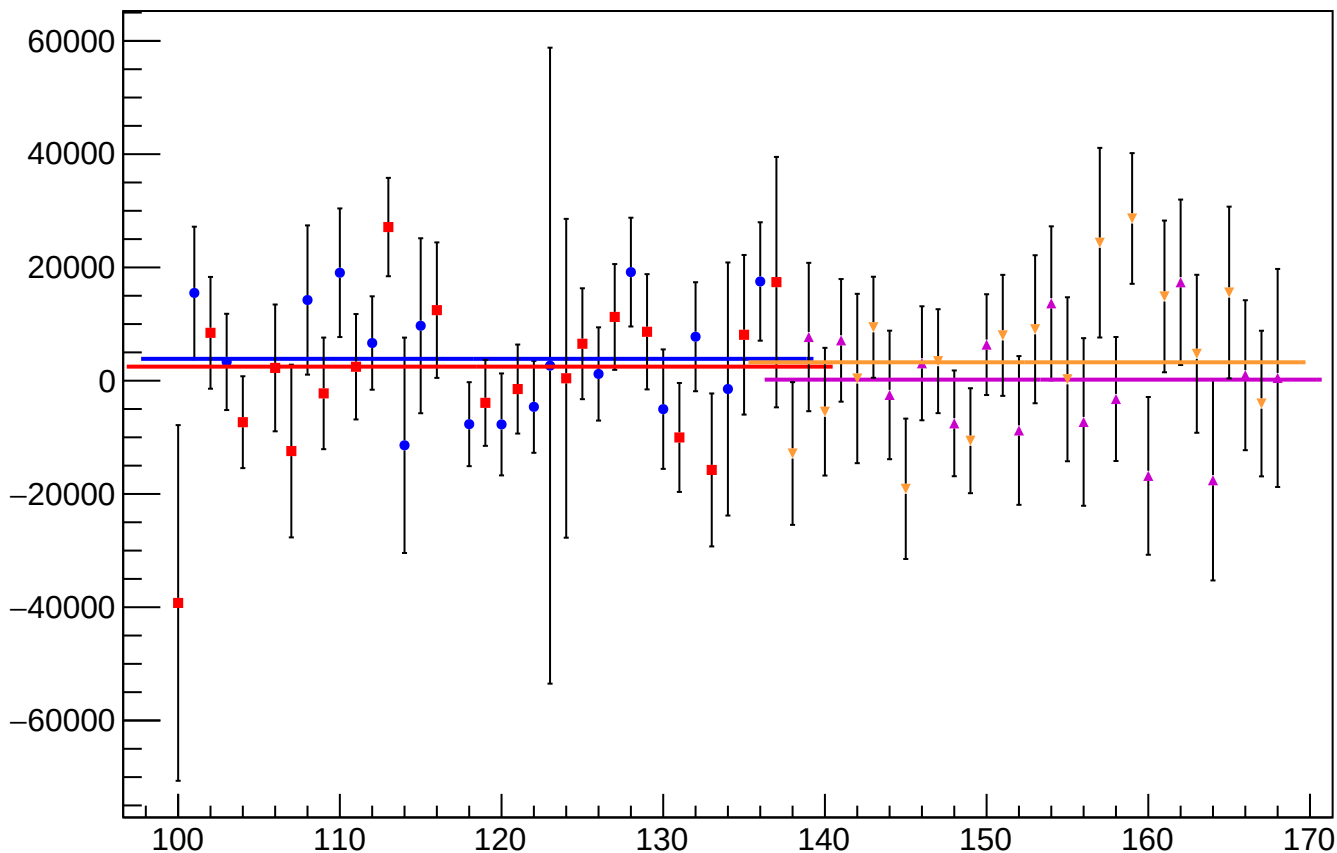
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 10274.196+/-2.162 χ^2/NDF :911938.5/14

Out: 2200.119+/-0.796 χ^2/NDF :15841389.4/15

All: 3163.235+/-0.747 χ^2/NDF : 29037236.0/30

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3859.866 $\pm$ 2508.782 χ^2 /NDF: 14.8/16

Left Out: 3250.287 $\pm$ 2977.552 χ^2 /NDF:16.9/15

Right Out: 2482.925 $\pm$ 2421.310 χ^2 /NDF: 20.0/18

Left In: 186.038 $\pm$ 3136.695 χ^2 /NDF:7.7/14

Left: 1797.865 $\pm$ 2159.517 χ^2 /NDF: 25.1/30

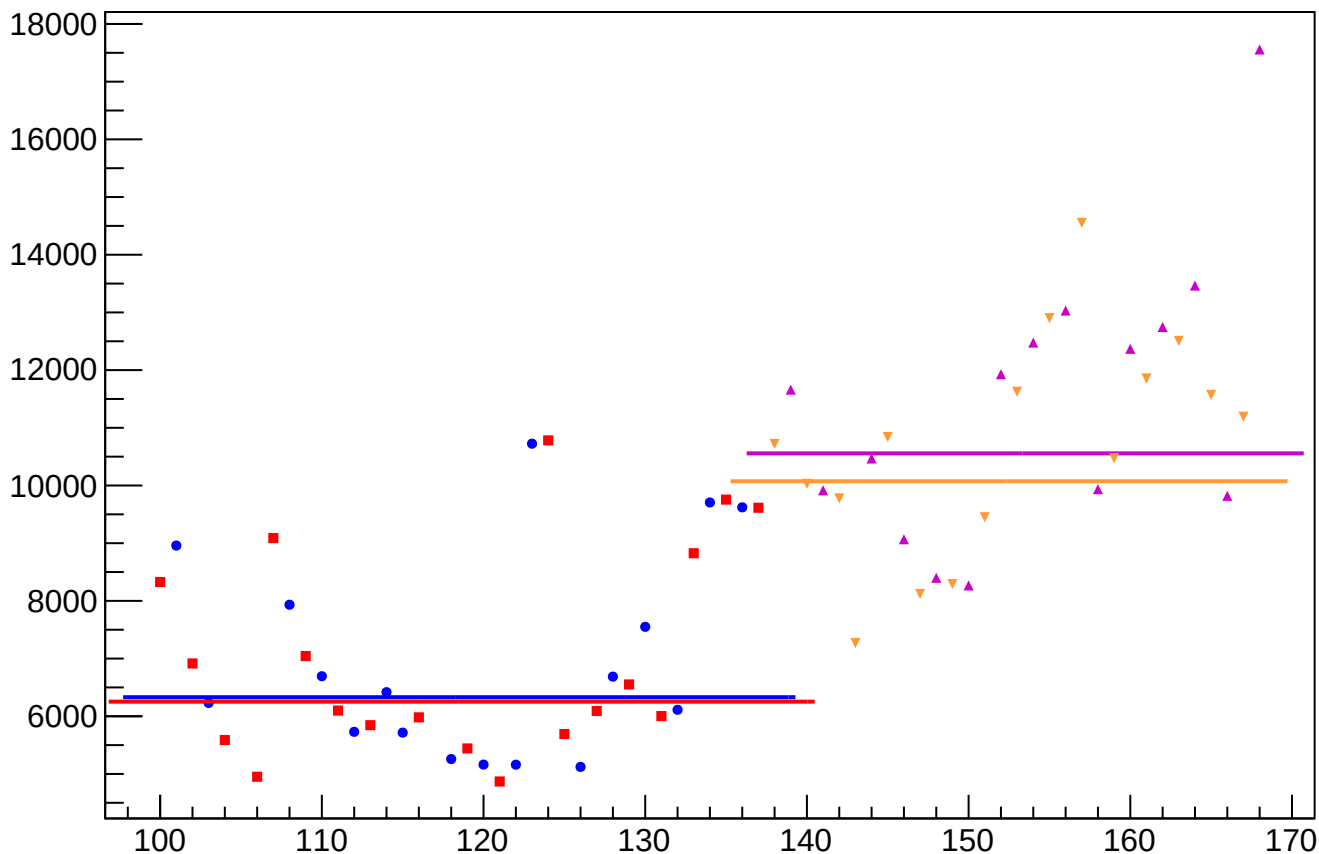
Right: 3146.972 $\pm$ 1742.228 χ^2 /NDF: 35.0/35

In: 2426.577 $\pm$ 1959.205 χ^2 /NDF:23.3/31

Out: 2788.375 $\pm$ 1878.580 χ^2 /NDF:36.9/34

All: 2615.073 $\pm$ 1355.964 χ^2 /NDF: 60.3/66

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6330.291+/-1.774 χ^2/NDF : 593395.6/16

Left Out: 10073.153+/-2.105 χ^2/NDF : 763523.6/15

Right Out: 6253.330+/-1.712 χ^2/NDF : 535355.5/18

Left In: 10557.165+/-2.218 χ^2/NDF : 831853.0/14

Left: 10302.570+/-1.527 χ^2/NDF : 1620425.8/30

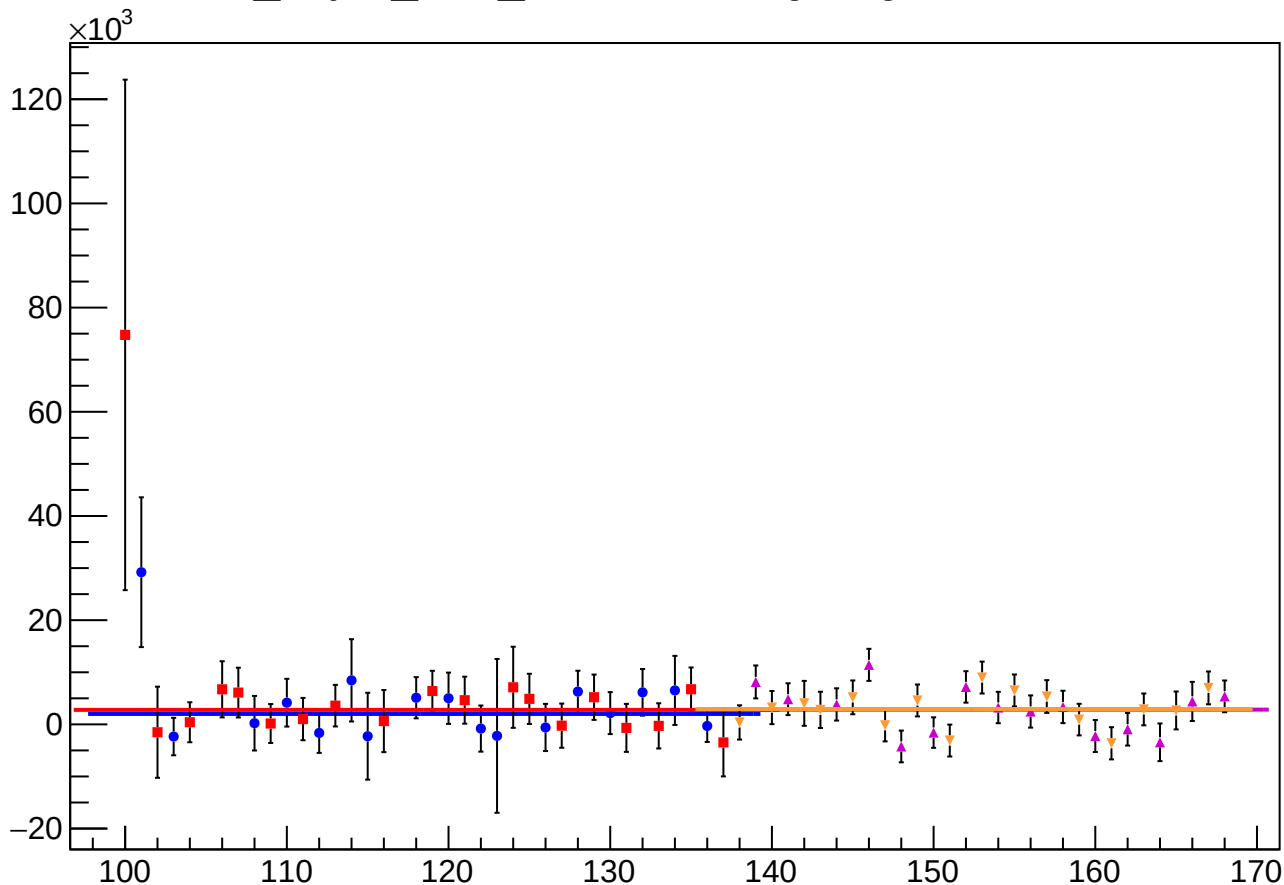
Right: 6290.444+/-1.232 χ^2/NDF : 1129725.5/35

In: 7979.334+/-1.385 χ^2/NDF : 3640174.6/31

Out: 7773.736+/-1.328 χ^2/NDF : 3280278.9/34

All: 7872.215+/-0.959 χ^2/NDF : 6931928.6/66

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2005.383 $\pm$ 1134.240 χ^2 /NDF: 12.1/16

Left Out: 2938.313 $\pm$ 802.600 χ^2 /NDF:18.8/15

Right Out: 2781.006 $\pm$ 1086.164 χ^2 /NDF: 9.9/18

Left In: 2829.718 $\pm$ 807.499 χ^2 /NDF:29.0/14

Left: 2884.346 $\pm$ 569.248 χ^2 /NDF: 47.9/30

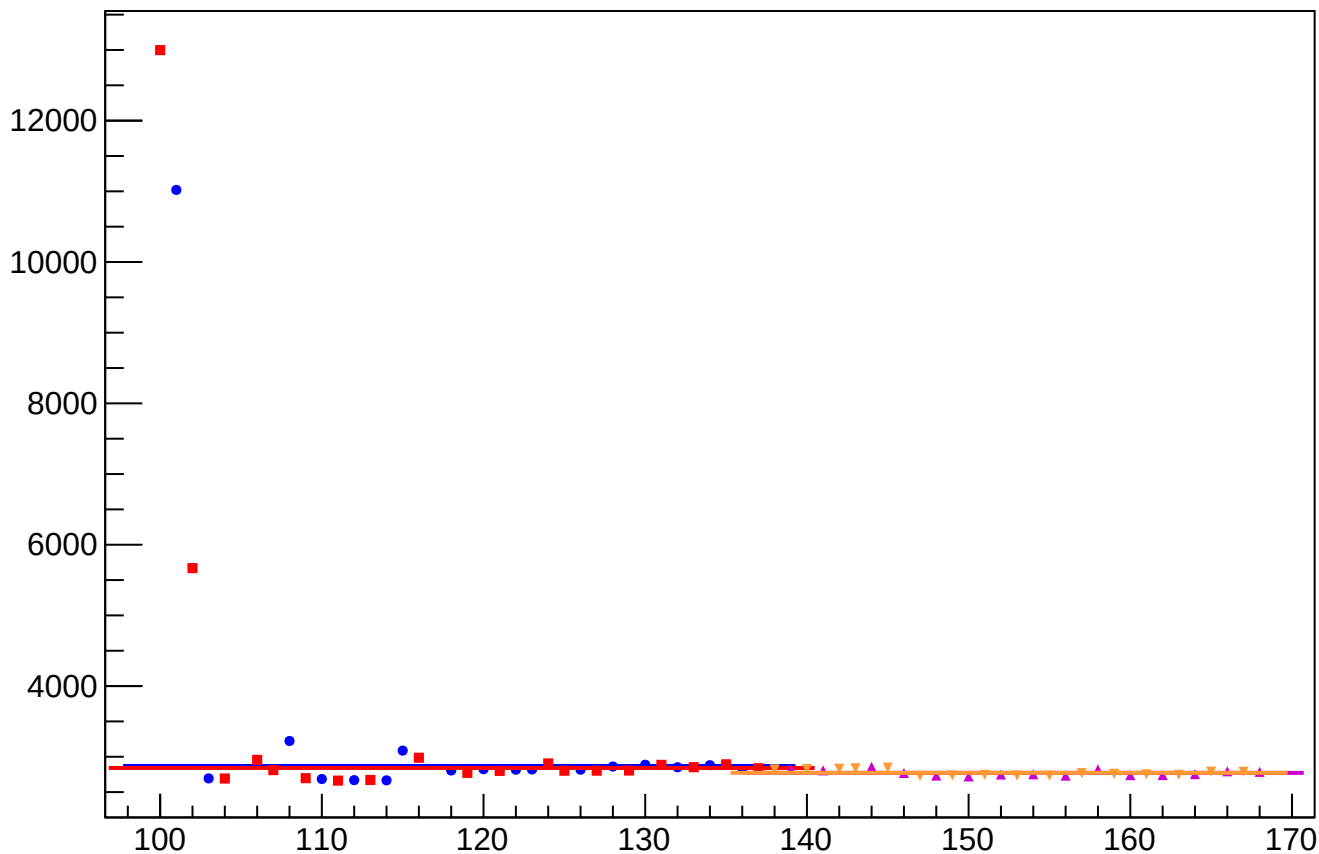
Right: 2409.980 $\pm$ 784.479 χ^2 /NDF: 22.2/35

In: 2552.443 $\pm$ 657.821 χ^2 /NDF:41.4/31

Out: 2882.756 $\pm$ 645.493 χ^2 /NDF:28.8/34

All: 2720.724 $\pm$ 460.730 χ^2 /NDF: 70.3/66

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2869.197 $\pm$ 0.802 χ^2 /NDF: 669900.5/16

Left Out: 2772.930 $\pm$ 0.568 χ^2 /NDF: 4993.2/15

Right Out: 2841.561 $\pm$ 0.768 χ^2 /NDF: 312523.0/18

Left In: 2771.655 $\pm$ 0.571 χ^2 /NDF: 4815.1/14

Left: 2772.296 $\pm$ 0.403 χ^2 /NDF: 9810.8/30

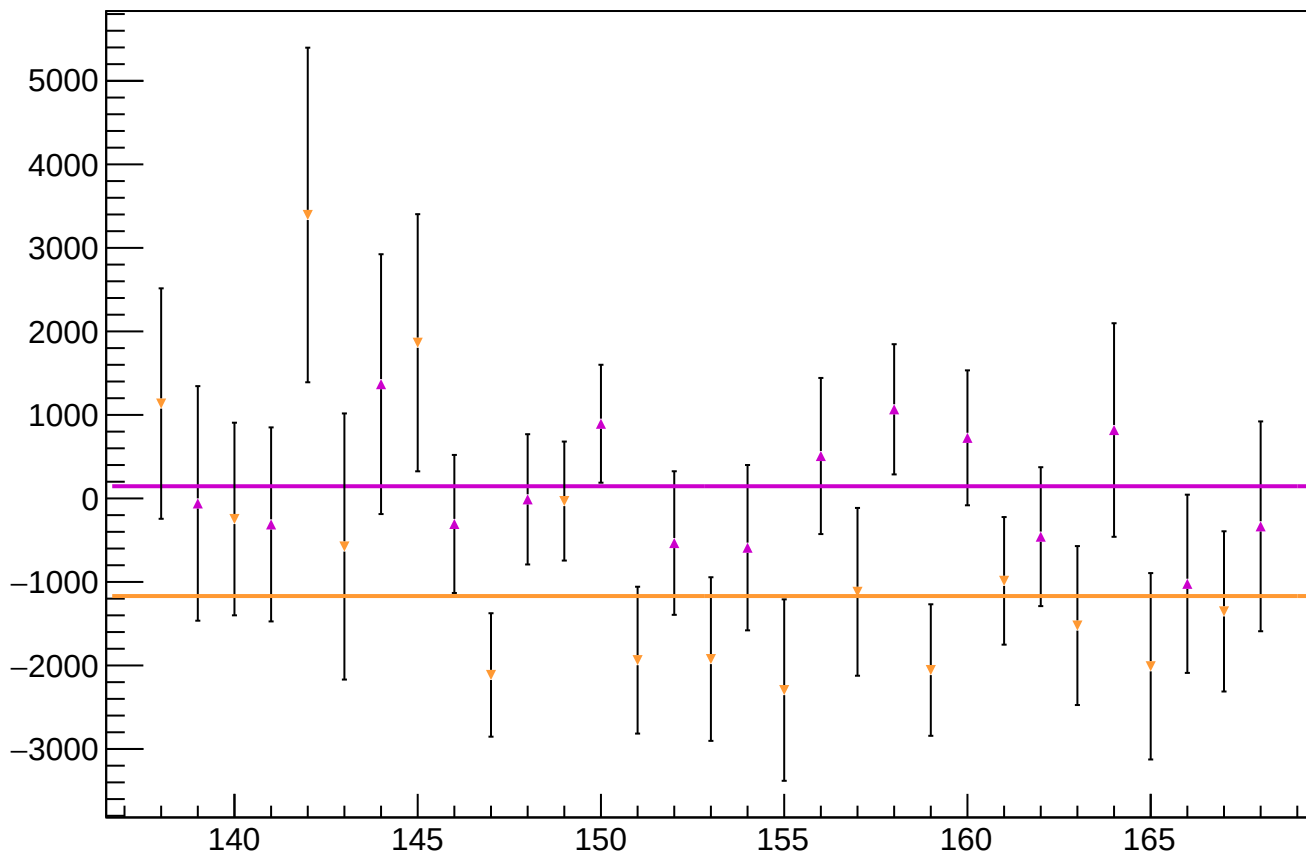
Right: 2854.781 $\pm$ 0.555 χ^2 /NDF: 983042.8/35

In: 2804.465 $\pm$ 0.465 χ^2 /NDF: 684531.5/31

Out: 2797.169 $\pm$ 0.456 χ^2 /NDF: 322681.1/34

All: 2800.748 $\pm$ 0.326 χ^2 /NDF: 1007337.9/60

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1168.879+/-245.174 χ^2/NDF :21.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 145.999+/-242.245 χ^2/NDF :7.6/14

Left: -503.539+/-172.320 χ^2/NDF : 43.5/30

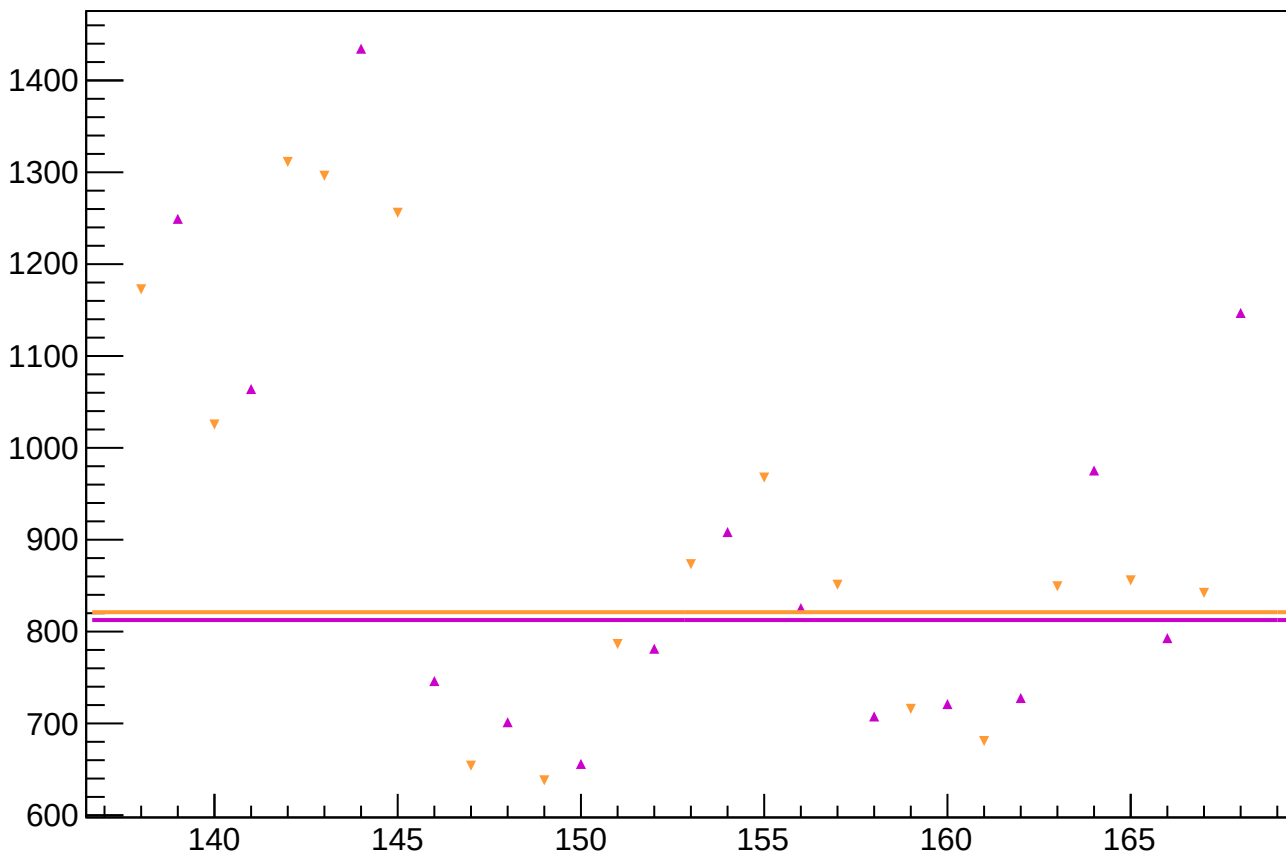
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 145.999+/-242.245 χ^2/NDF :7.6/14

Out: -1168.879+/-245.174 χ^2/NDF :21.3/15

All: -503.539+/-172.320 χ^2/NDF : 43.5/30

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 821.088+/-0.173 χ^2/NDF :1038676.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 812.549+/-0.171 χ^2/NDF :1038171.4/14

Left: 816.768+/-0.122 χ^2/NDF : 2078075.9/30

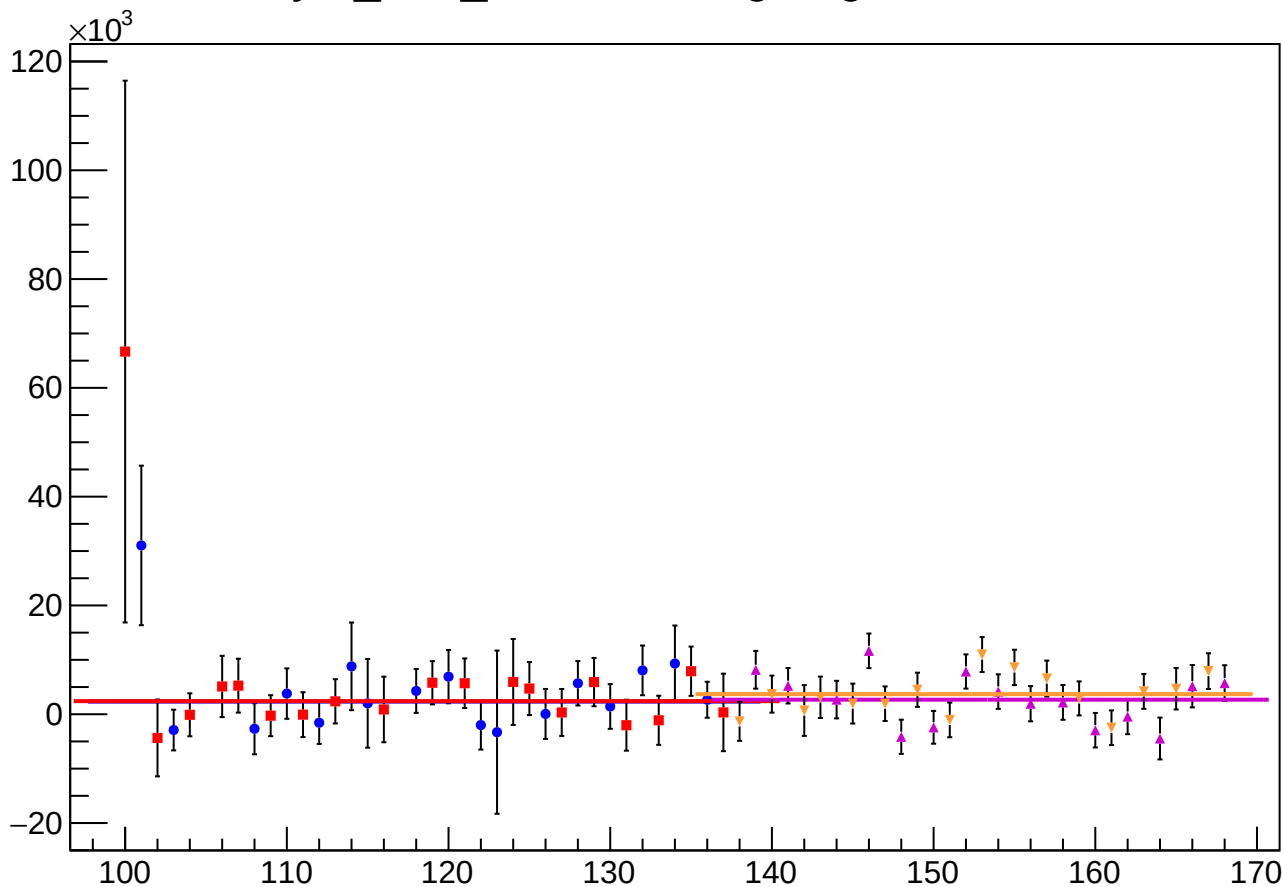
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 812.549+/-0.171 χ^2/NDF :1038171.4/14

Out: 821.088+/-0.173 χ^2/NDF :1038676.9/15

All: 816.768+/-0.122 χ^2/NDF : 2078075.9/30

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2330.134+/-1156.555 χ^2/NDF : 14.4/16

Left Out: 3690.148+/-846.295 χ^2/NDF : 19.0/15

Right Out: 2403.750+/-1110.093 χ^2/NDF : 10.1/18

Left In: 2672.824+/-849.618 χ^2/NDF : 30.4/14

Left: 3183.479+/-599.592 χ^2/NDF : 50.1/30

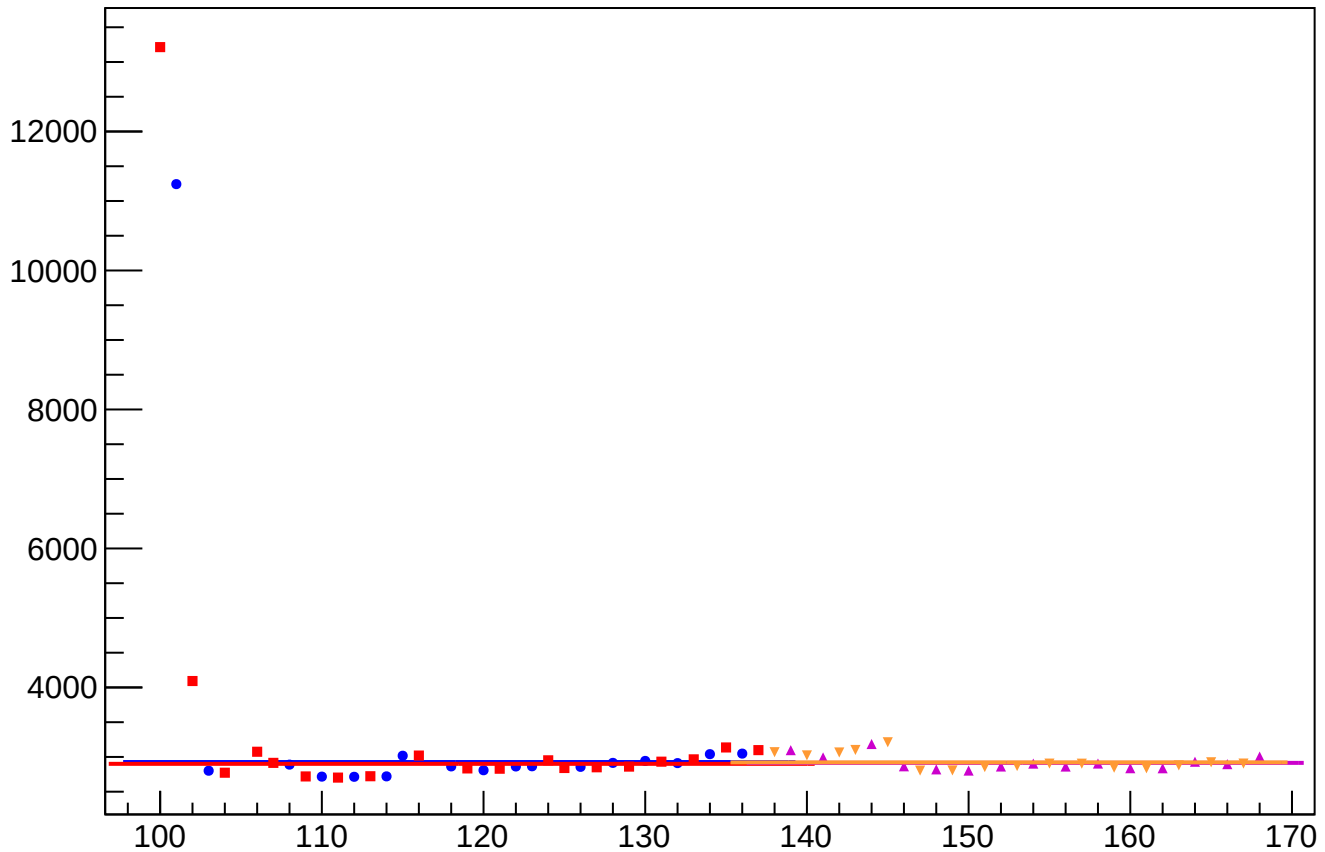
Right: 2368.450+/-800.876 χ^2/NDF : 24.5/35

In: 2552.710+/-684.718 χ^2/NDF : 44.9/31

Out: 3217.309+/-673.021 χ^2/NDF : 29.9/34

All: 2890.734+/-479.980 χ^2/NDF : 75.2/66

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2926.610+/-0.818 χ^2/NDF : 662794.4/16

Left Out: 2921.714+/-0.598 χ^2/NDF : 33946.7/15

Right Out: 2900.827+/-0.785 χ^2/NDF : 169866.6/18

Left In: 2914.637+/-0.601 χ^2/NDF : 29067.7/14

Left: 2918.189+/-0.424 χ^2/NDF : 63084.2/30

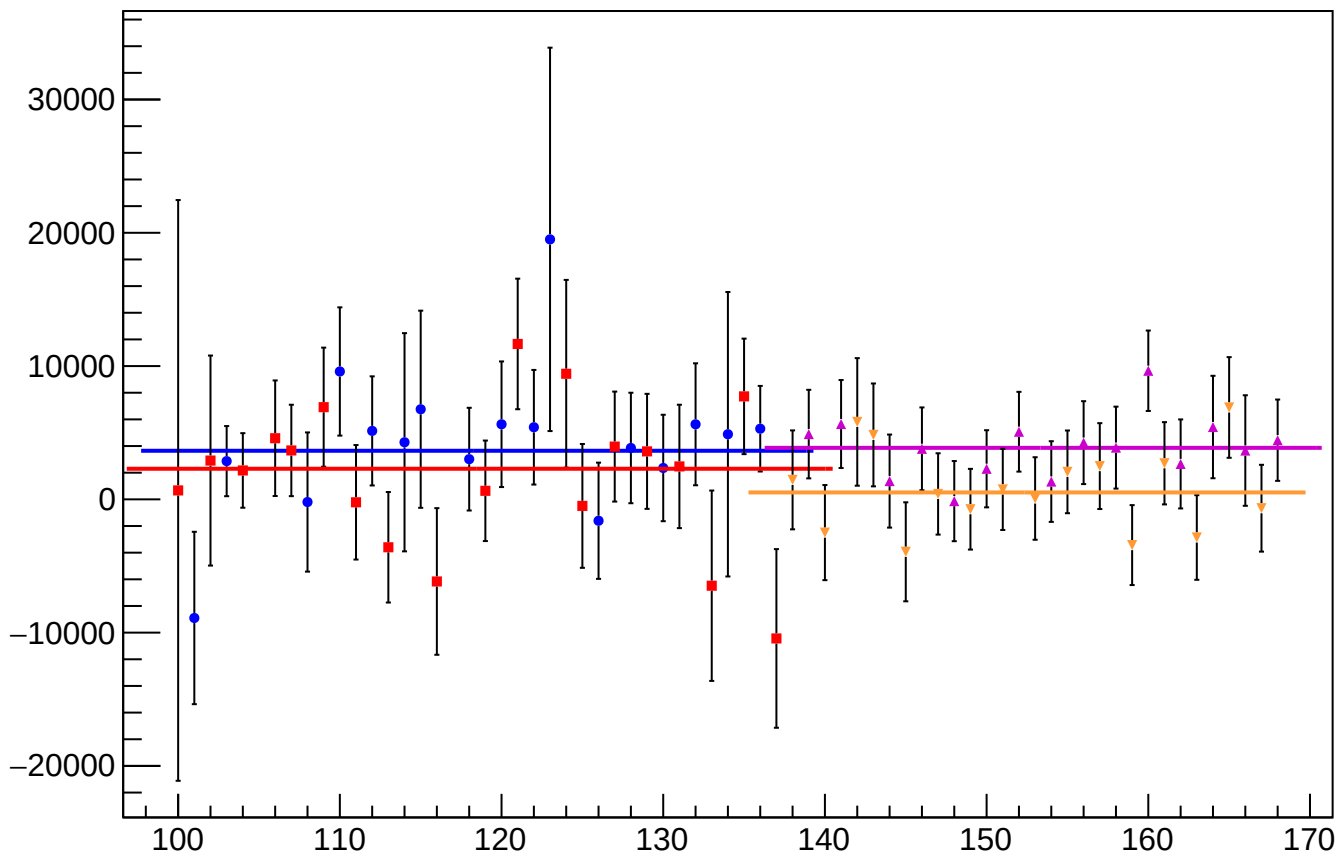
Right: 2913.190+/-0.566 χ^2/NDF : 833178.3/35

In: 2918.834+/-0.484 χ^2/NDF : 692001.3/31

Out: 2914.037+/-0.476 χ^2/NDF : 204261.2/34

All: 2916.394+/-0.339 χ^2/NDF : 896312.4/66

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3645.268 $\pm$ 1091.486 χ^2 /NDF: 9.9/16

Left Out: 518.058 $\pm$ 832.435 χ^2 /NDF:11.9/15

Right Out: 2295.846 $\pm$ 1046.865 χ^2 /NDF: 18.4/18

Left In: 3864.729 $\pm$ 827.319 χ^2 /NDF:7.8/14

Left: 2201.708 $\pm$ 586.803 χ^2 /NDF: 27.8/30

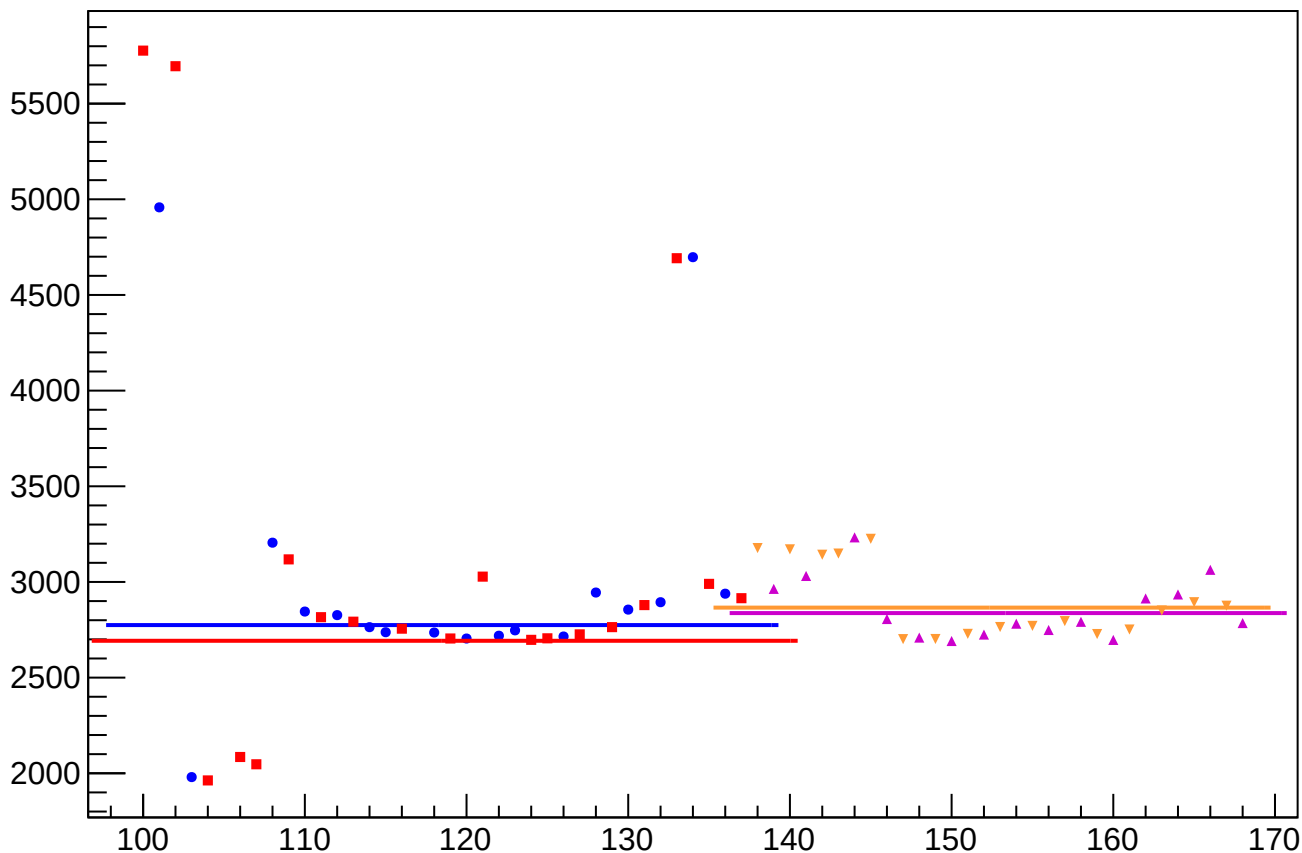
Right: 2942.410 $\pm$ 755.528 χ^2 /NDF: 29.1/35

In: 3784.650 $\pm$ 659.323 χ^2 /NDF:17.7/31

Out: 1206.712 $\pm$ 651.555 χ^2 /NDF:32.1/34

All: 2480.405 $\pm$ 463.441 χ^2 /NDF: 57.5/66

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2774.617 $\pm$ 0.772 χ^2/NDF : 501680.3/16

Left Out: 2865.888 $\pm$ 0.589 χ^2/NDF : 92706.2/15

Right Out: 2692.509 $\pm$ 0.740 χ^2/NDF : 780267.3/18

Left In: 2837.306 $\pm$ 0.585 χ^2/NDF : 63152.8/14

Left: 2851.509 $\pm$ 0.415 χ^2/NDF : 157045.3/30

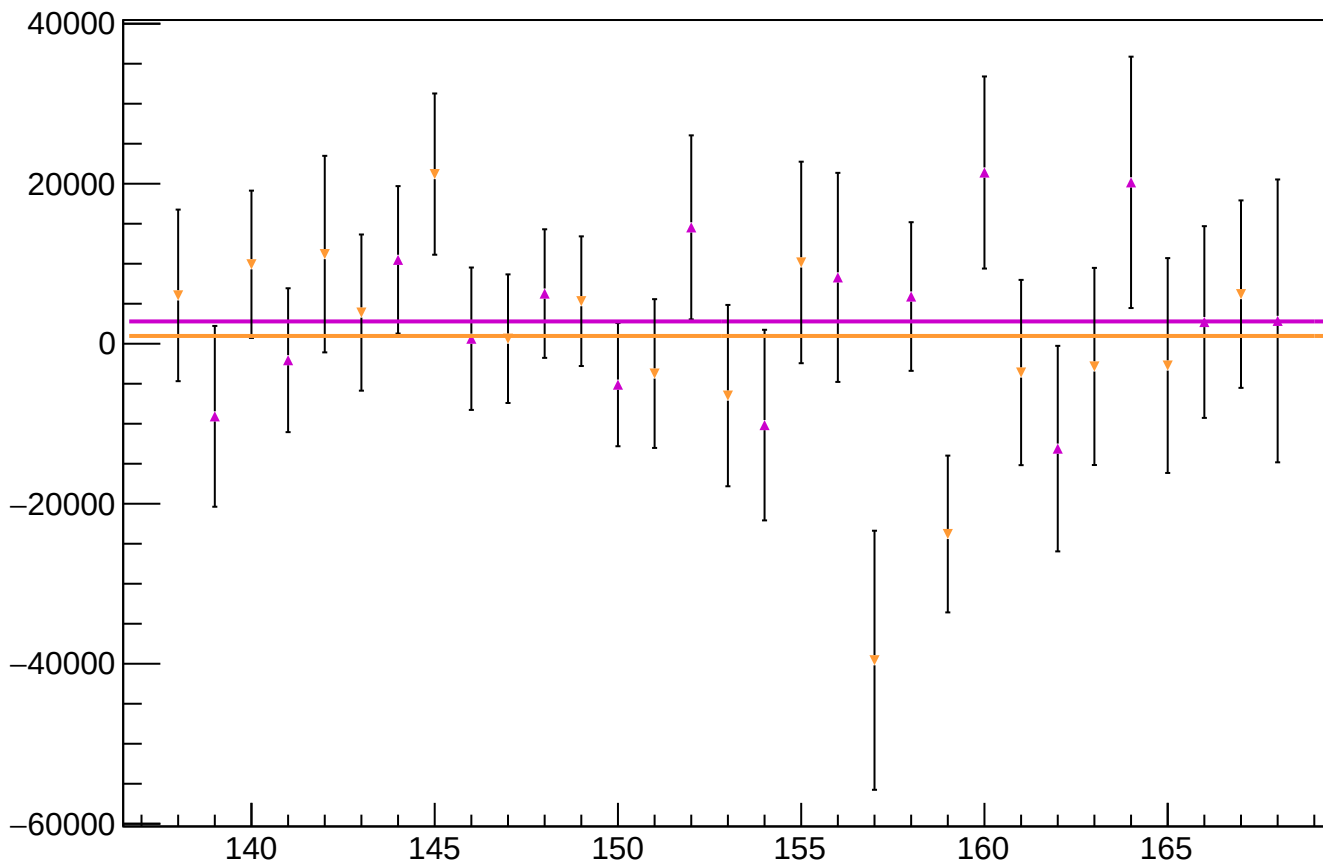
Right: 2731.837 $\pm$ 0.534 χ^2/NDF : 1287844.4/35

In: 2814.431 $\pm$ 0.466 χ^2/NDF : 569023.1/31

Out: 2798.700 $\pm$ 0.461 χ^2/NDF : 906594.7/34

All: 2806.472 $\pm$ 0.328 χ^2/NDF : 1476194.0/60

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 970.657+/-2626.694 χ^2/NDF :20.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2786.788+/-2709.462 χ^2/NDF :11.1/14

Left: 1850.560+/-1885.935 χ^2/NDF : 32.0/30

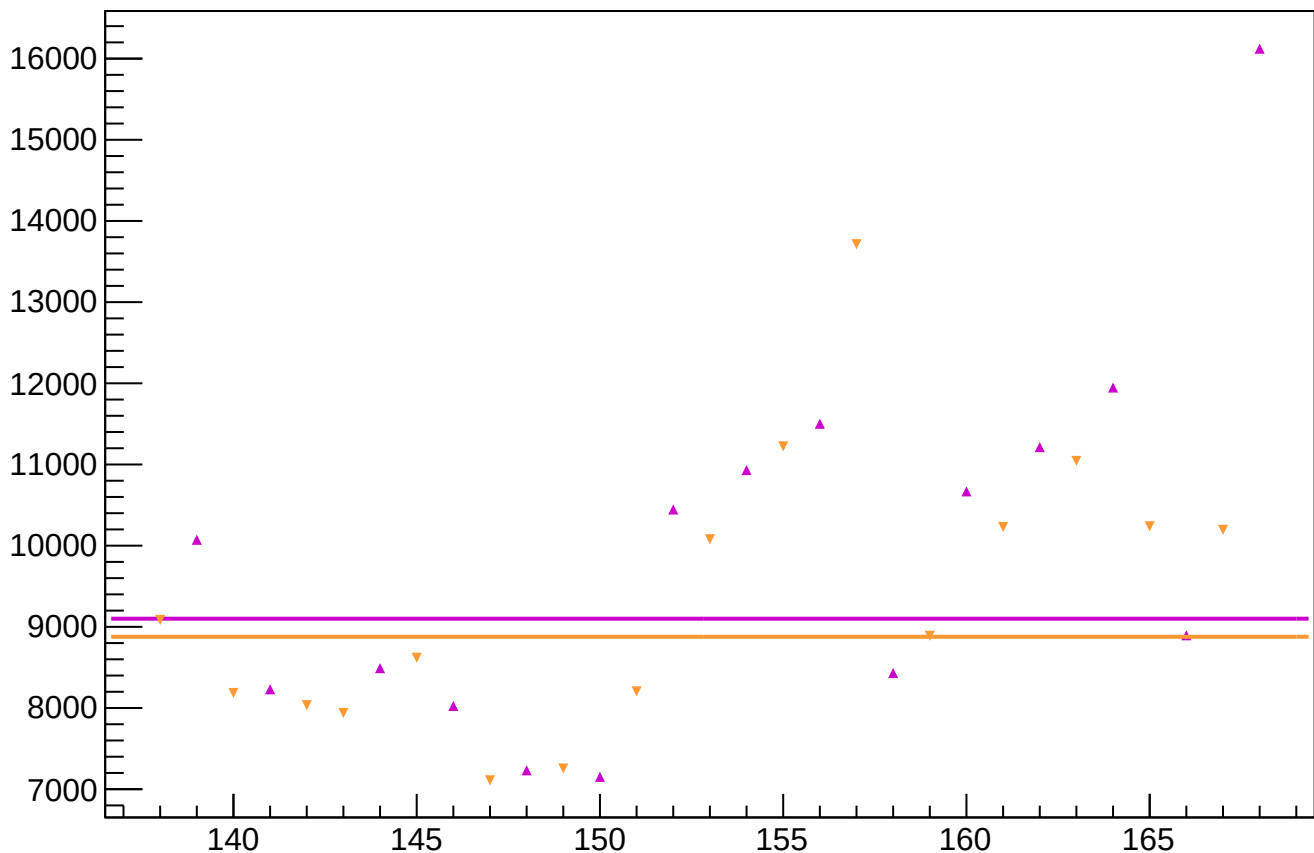
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2786.788+/-2709.462 χ^2/NDF :11.1/14

Out: 970.657+/-2626.694 χ^2/NDF :20.7/15

All: 1850.560+/-1885.935 χ^2/NDF : 32.0/30

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 8877.517+/-1.857 χ^2/NDF :634147.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 9100.332+/-1.916 χ^2/NDF :930288.3/14

Left: 8985.469+/-1.334 χ^2/NDF : 1571407.9/30

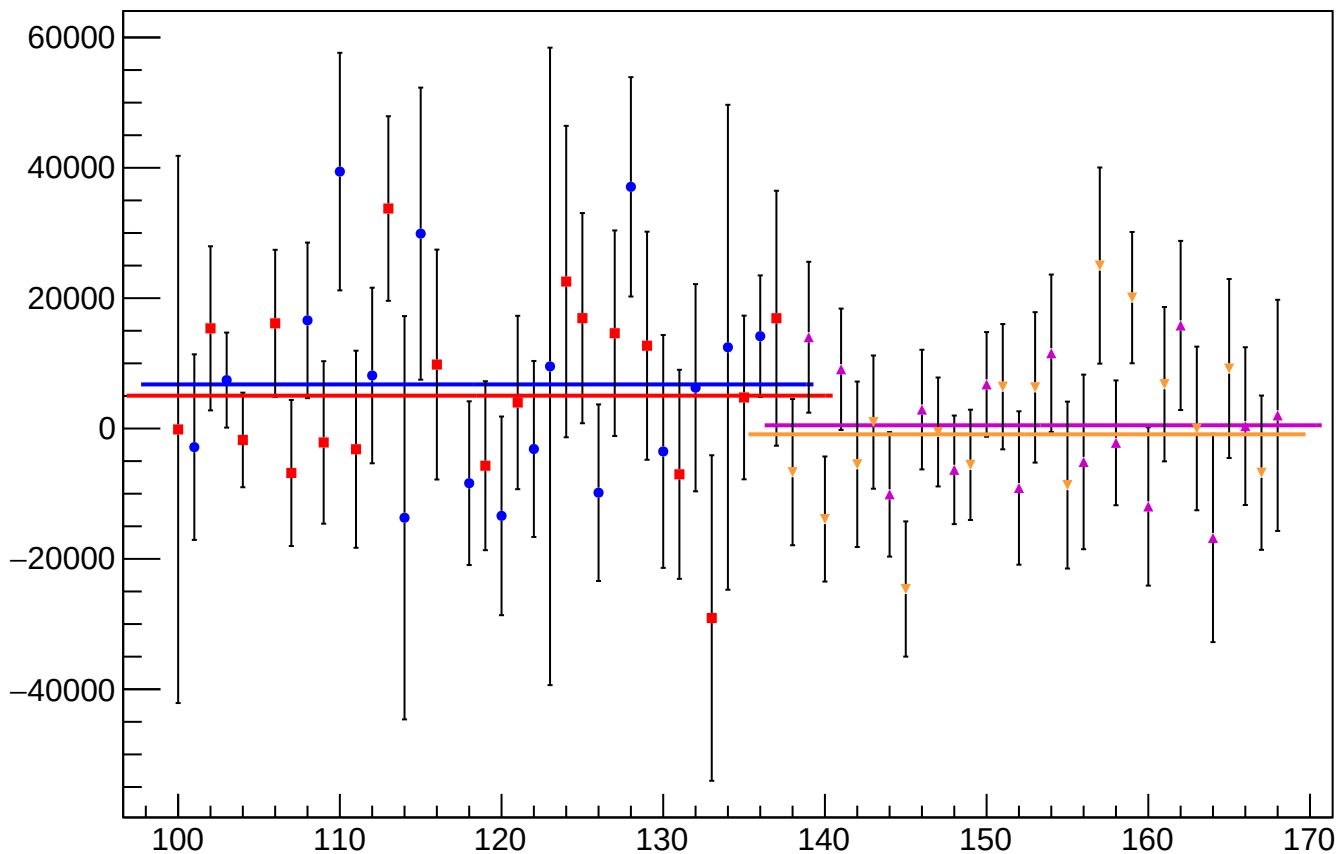
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9100.332+/-1.916 χ^2/NDF :930288.3/14

Out: 8877.517+/-1.857 χ^2/NDF :634147.1/15

All: 8985.469+/-1.334 χ^2/NDF : 1571407.9/30

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6767.402 $\pm$ 3387.139 χ^2 /NDF: 15.3/16

Left Out: -889.436 $\pm$ 2703.659 χ^2 /NDF:17.7/15

Right Out: 5041.440 $\pm$ 3167.616 χ^2 /NDF: 13.6/18

Left In: 495.391 $\pm$ 2784.413 χ^2 /NDF:10.2/14

Left: -217.395 $\pm$ 1939.696 χ^2 /NDF: 28.0/30

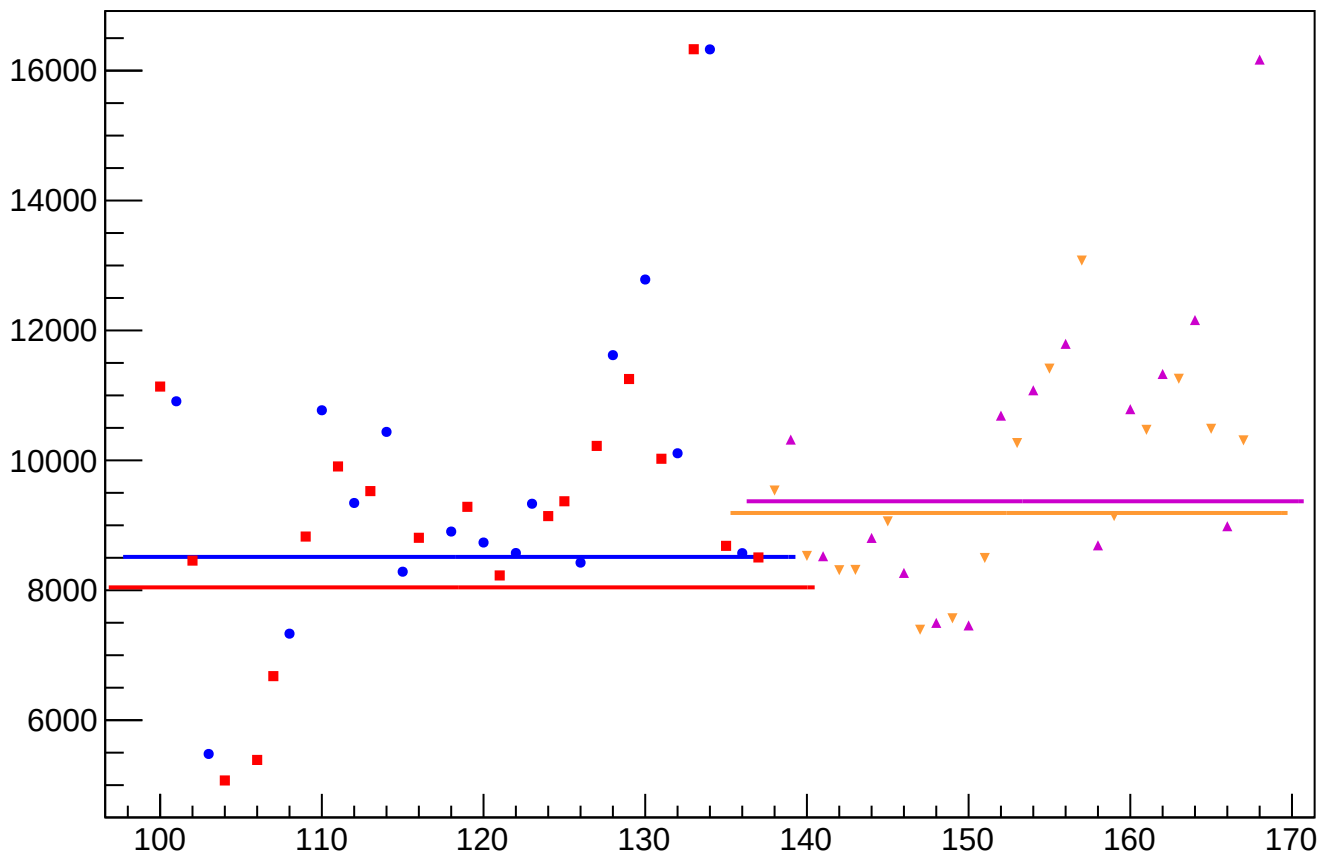
Right: 5846.682 $\pm$ 2313.559 χ^2 /NDF: 29.1/35

In: 3024.646 $\pm$ 2150.929 χ^2 /NDF:27.6/31

Out: 1610.244 $\pm$ 2056.436 χ^2 /NDF:33.3/34

All: 2285.695 $\pm$ 1486.403 χ^2 /NDF: 61.1/66

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8513.665 $\pm$ 2.395 χ^2/NDF : 762614.5/16

Left Out: 9190.003 $\pm$ 1.912 χ^2/NDF : 536697.7/15

Right Out: 8044.739 $\pm$ 2.240 χ^2/NDF : 952310.5/18

Left In: 9370.006 $\pm$ 1.969 χ^2/NDF : 850974.4/14

Left: 9277.356 $\pm$ 1.372 χ^2/NDF : 1391974.2/30

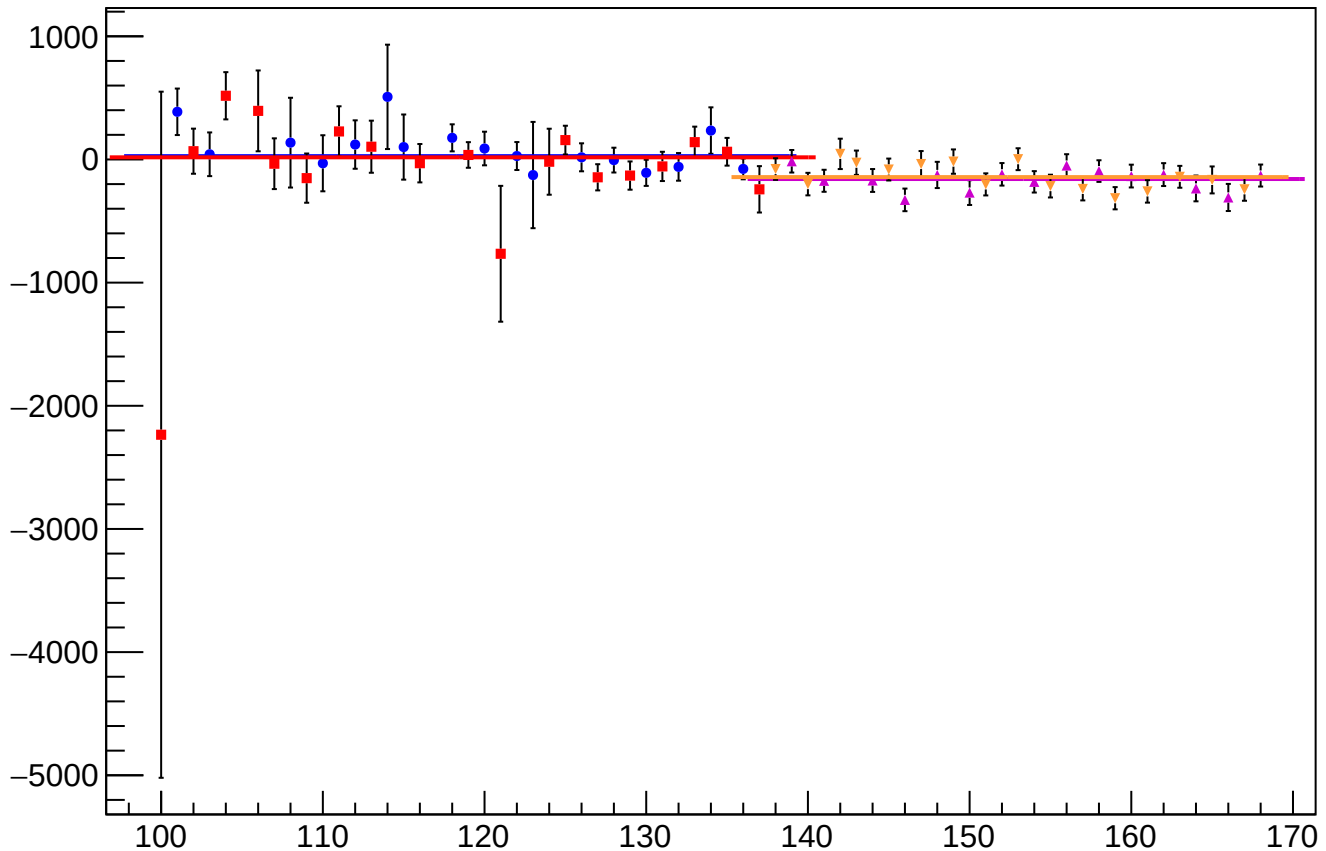
Right: 8263.507 $\pm$ 1.636 χ^2/NDF : 1735374.5/35

In: 9024.677 $\pm$ 1.521 χ^2/NDF : 1689874.2/31

Out: 8707.290 $\pm$ 1.454 χ^2/NDF : 1640267.1/34

All: 8858.857 $\pm$ 1.051 χ^2/NDF : 3352892.6/66

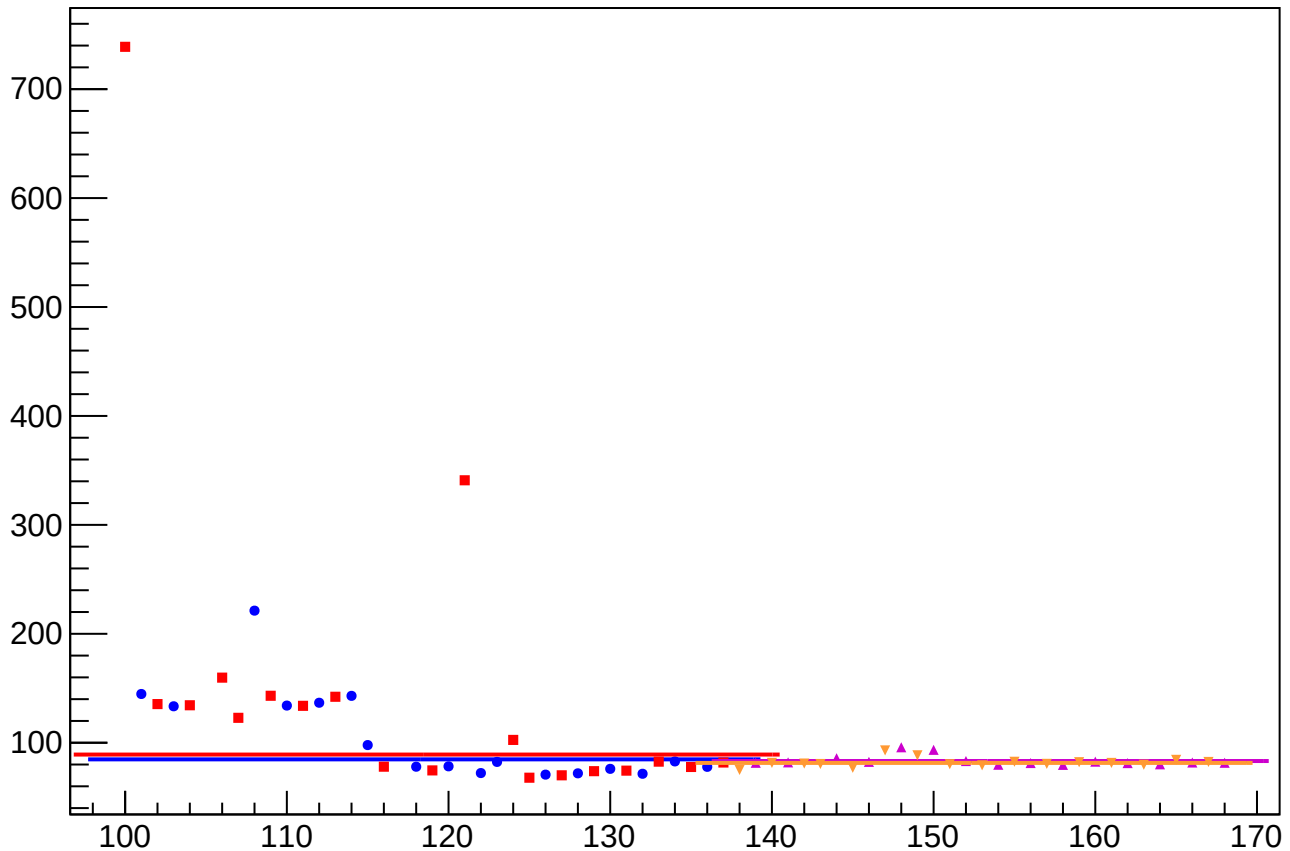
dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 26.932 ± 34.029 $\chi^2/\text{NDF}: 12.6/16$
Left Out: -143.251 ± 23.638 $\chi^2/\text{NDF}: 19.0/15$
Right Out: 17.368 ± 35.548 $\chi^2/\text{NDF}: 21.9/18$
Left In: -158.759 ± 24.266 $\chi^2/\text{NDF}: 12.1/14$

Left: -150.801 ± 16.932 $\chi^2/\text{NDF}: 31.3/30$
Right: 22.359 ± 24.581 $\chi^2/\text{NDF}: 34.5/35$
In: -96.163 ± 19.757 $\chi^2/\text{NDF}: 44.5/31$
Out: -94.005 ± 19.683 $\chi^2/\text{NDF}: 55.0/34$
All: -95.080 ± 13.944 $\chi^2/\text{NDF}: 99.5/66$

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.737+/-0.024 χ^2/NDF : 1064420.0/16

Left Out: 81.477+/-0.017 χ^2/NDF : 54298.1/15

Right Out: 89.143+/-0.025 χ^2/NDF : 1559269.8/18

Left In: 83.209+/-0.017 χ^2/NDF : 62271.9/14

Left: 82.320+/-0.012 χ^2/NDF : 121797.7/30

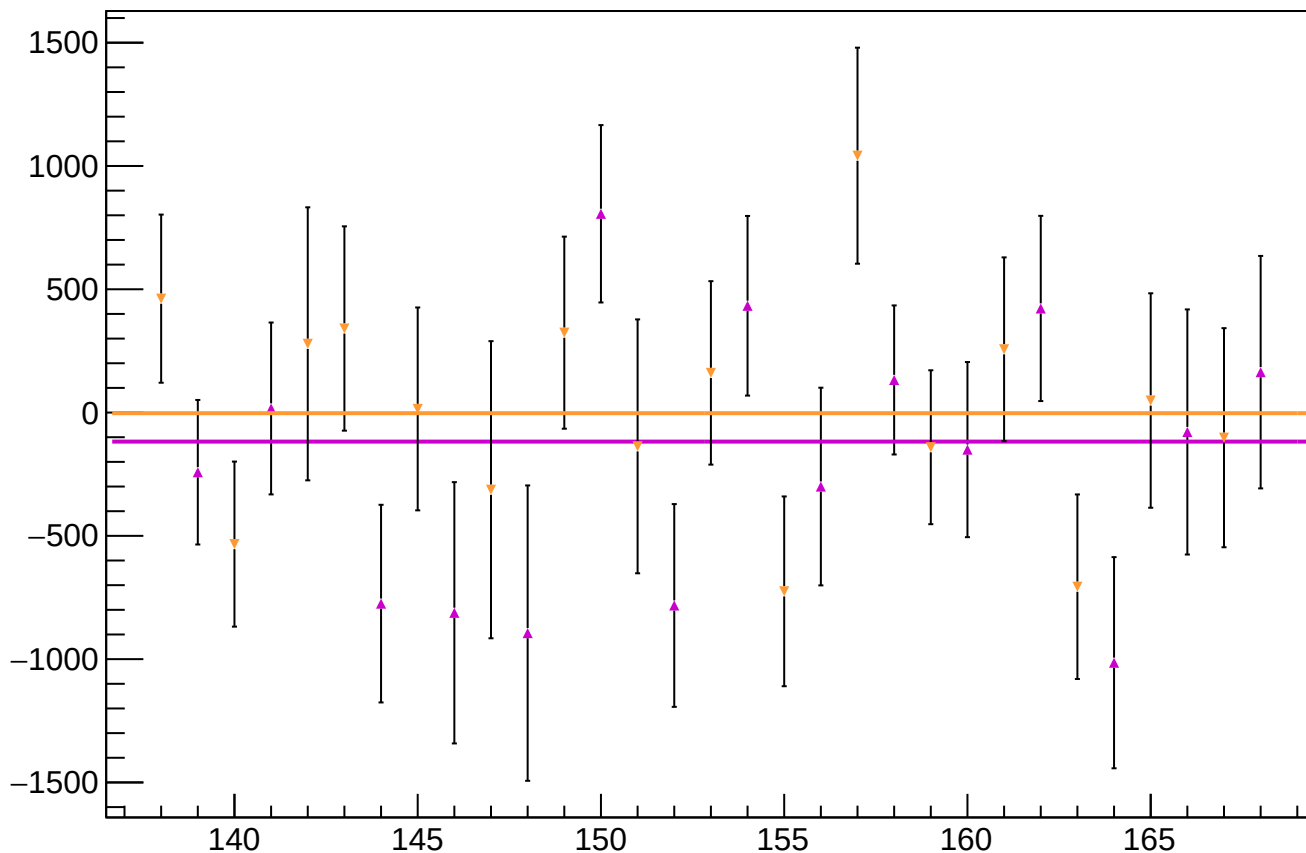
Right: 86.844+/-0.017 χ^2/NDF : 2639723.0/35

In: 83.724+/-0.014 χ^2/NDF : 1129365.3/31

Out: 83.827+/-0.014 χ^2/NDF : 1678062.5/34

All: 83.776+/-0.010 χ^2/NDF : 2807455.3/66

asym_sam1_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -2.506+/-100.100 χ^2/NDF :20.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -117.763+/-100.092 χ^2/NDF :25.6/14

Left: -60.139+/-70.779 χ^2/NDF : 46.3/30

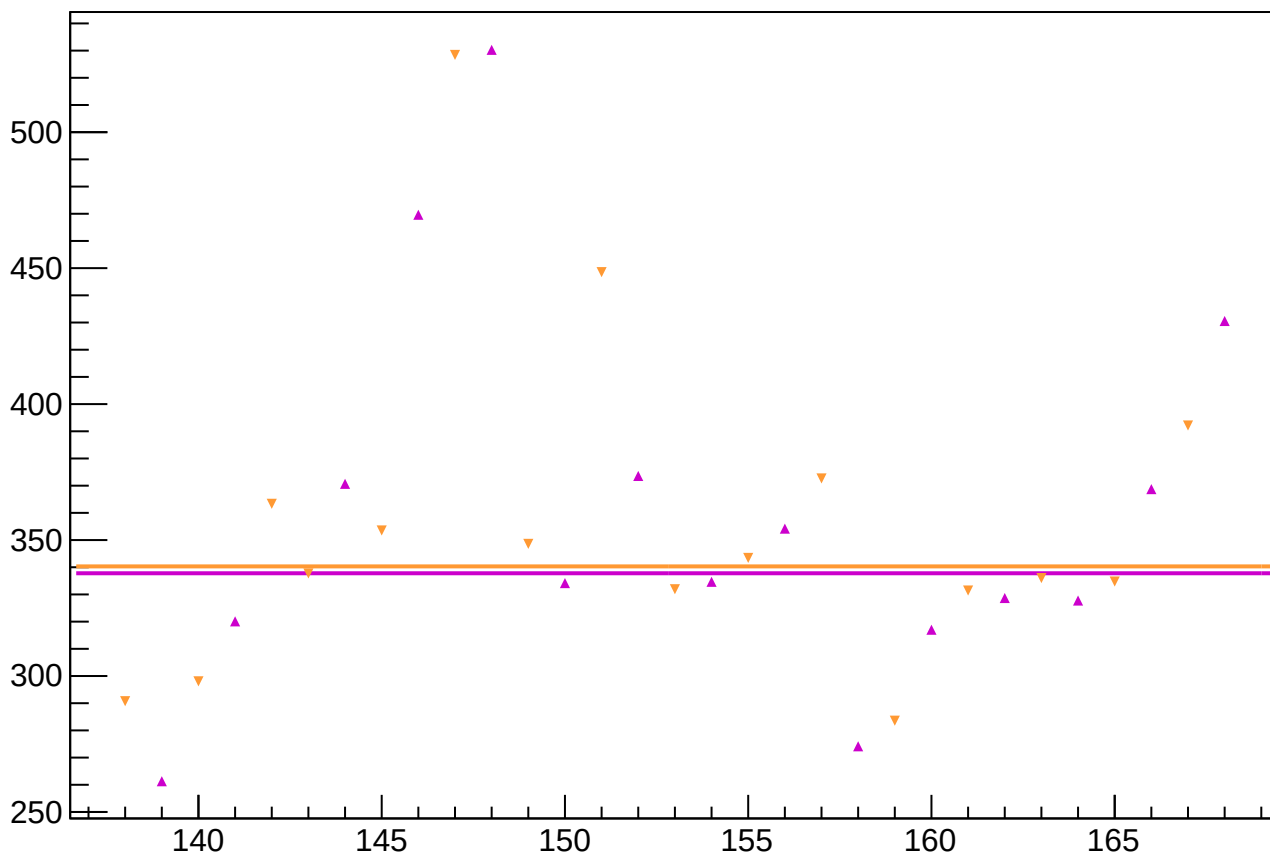
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -117.763+/-100.092 χ^2/NDF :25.6/14

Out: -2.506+/-100.100 χ^2/NDF :20.0/15

All: -60.139+/-70.779 χ^2/NDF : 46.3/30

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 340.315+/-0.071 χ^2/NDF :471088.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 337.790+/-0.071 χ^2/NDF :687090.7/14

Left: 339.052+/-0.050 χ^2/NDF : 1158815.6/30

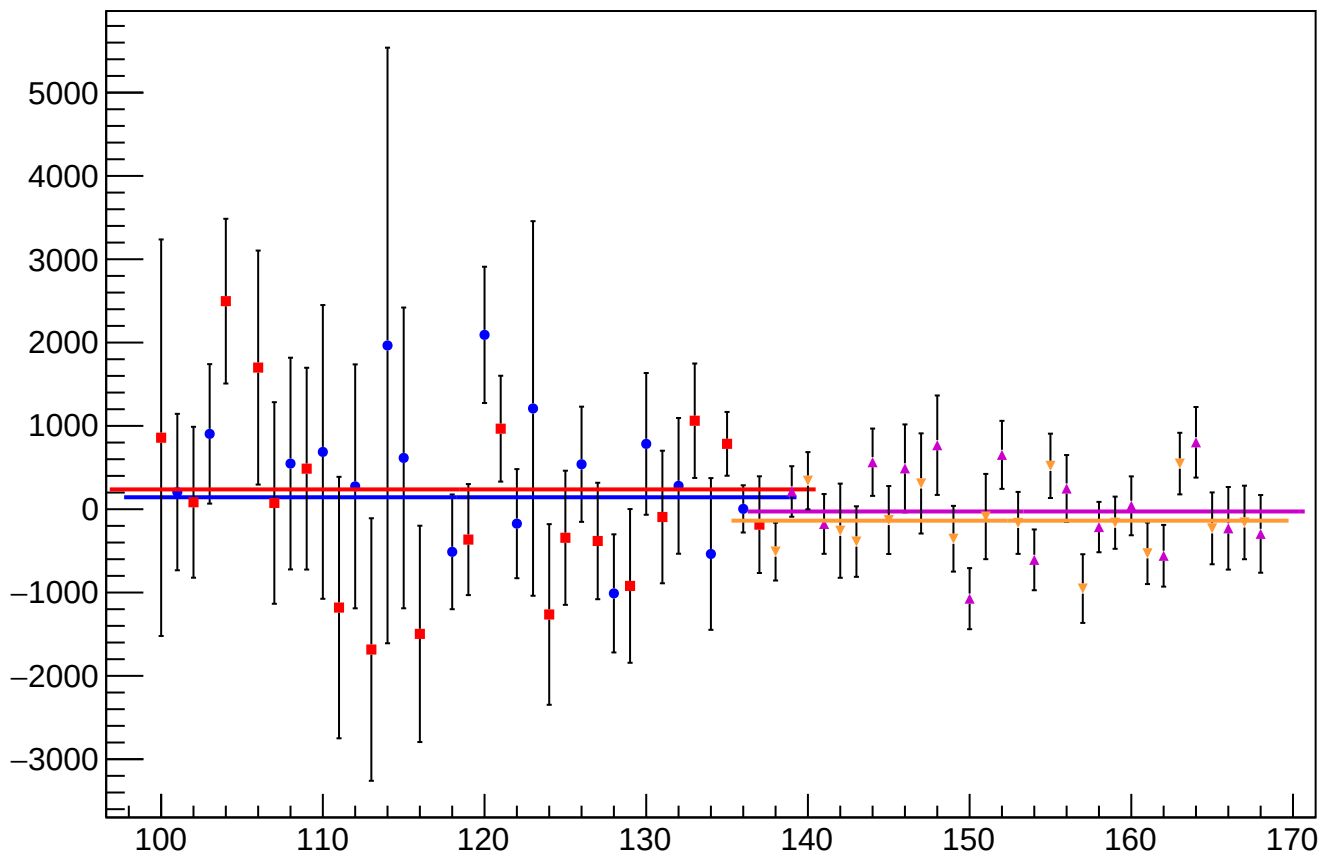
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 337.790+/-0.071 χ^2/NDF :687090.7/14

Out: 340.315+/-0.071 χ^2/NDF :471088.2/15

All: 339.052+/-0.050 χ^2/NDF : 1158815.6/30

asym_sam1_mean vs Slug, Sign Corrected



Right In: 143.486 $\pm$ 179.237 χ^2 /NDF: 12.8/16

Left Out: -137.487 $\pm$ 100.135 χ^2 /NDF:15.8/15

Right Out: 237.821 $\pm$ 183.995 χ^2 /NDF: 21.7/18

Left In: -27.183 $\pm$ 100.599 χ^2 /NDF:26.4/14

Left: -82.590 $\pm$ 70.970 χ^2 /NDF: 42.8/30

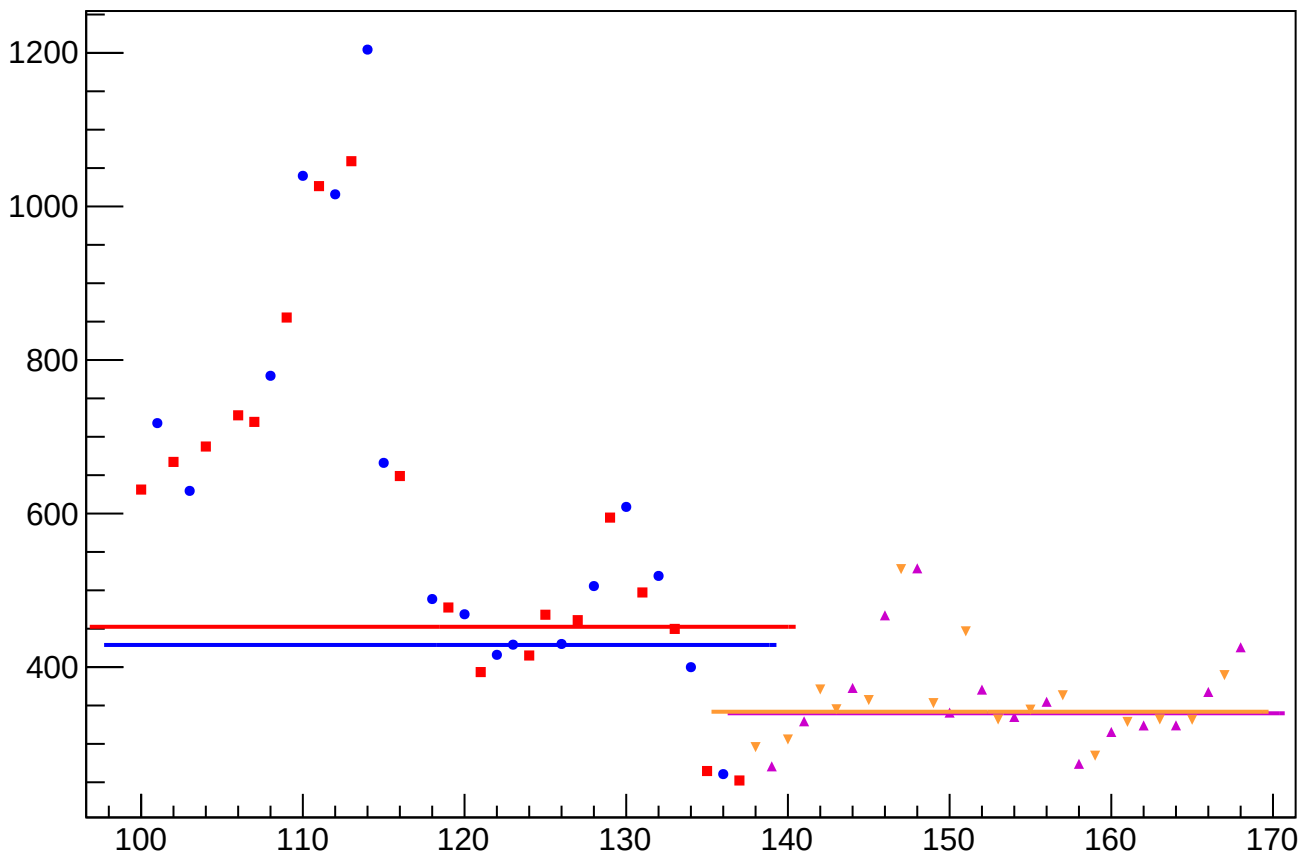
Right: 189.418 $\pm$ 128.389 χ^2 /NDF: 34.6/35

In: 13.701 $\pm$ 87.726 χ^2 /NDF:39.9/31

Out: -51.728 $\pm$ 87.953 χ^2 /NDF:40.7/34

All: -18.928 $\pm$ 62.112 χ^2 /NDF: 80.8/66

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.856 $\pm$ 0.127 χ^2 /NDF: 2012329.6/16

Left Out: 341.883 $\pm$ 0.071 χ^2 /NDF:444402.9/15

Right Out: 452.517 $\pm$ 0.130 χ^2 /NDF: 2039238.5/18

Left In: 339.853 $\pm$ 0.071 χ^2 /NDF:635559.0/14

Left: 340.872 $\pm$ 0.050 χ^2 /NDF: 1080370.9/30

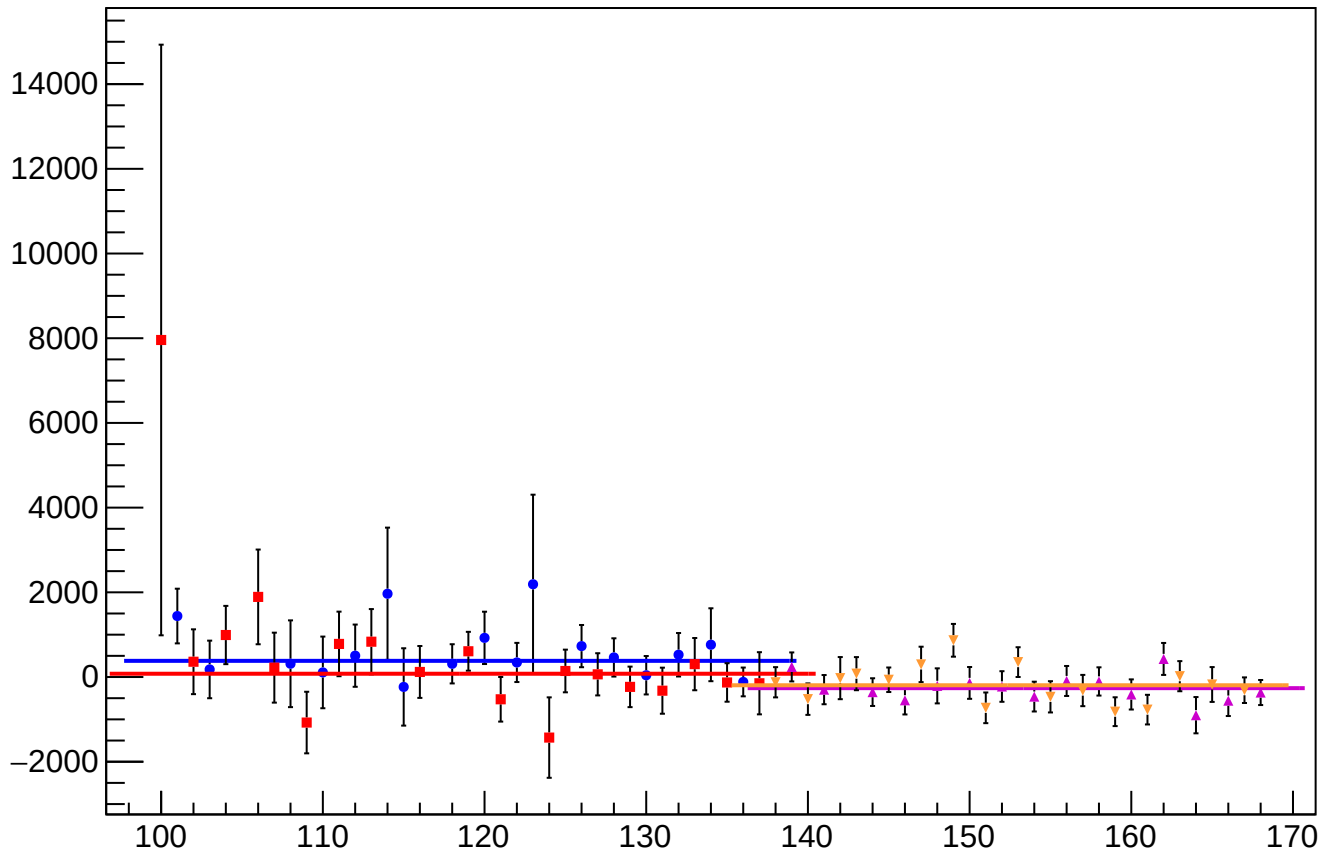
Right: 440.377 $\pm$ 0.091 χ^2 /NDF: 4068538.6/35

In: 361.174 $\pm$ 0.062 χ^2 /NDF:3022909.6/31

Out: 367.163 $\pm$ 0.062 χ^2 /NDF:3041513.6/34

All: 364.161 $\pm$ 0.044 χ^2 /NDF: 6069072.7/66

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 381.893 ± 141.192 $\chi^2/\text{NDF}: 9.4/16$

Left Out: -194.596 ± 90.538 $\chi^2/\text{NDF}: 22.4/15$

Right Out: 77.490 ± 143.469 $\chi^2/\text{NDF}: 16.8/18$

Left In: -262.934 ± 91.196 $\chi^2/\text{NDF}: 10.4/14$

Left: -228.517 ± 64.252 $\chi^2/\text{NDF}: 33.1/30$

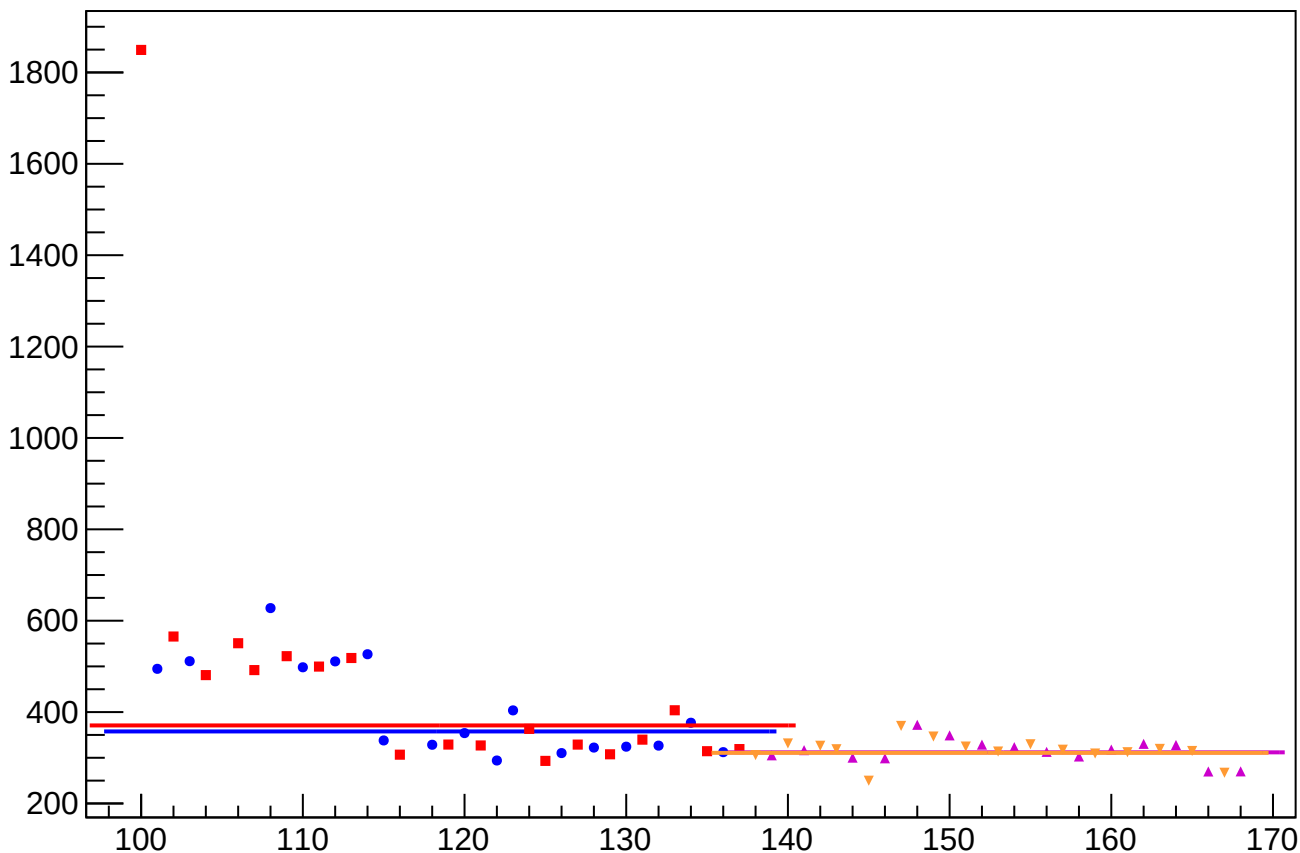
Right: 232.126 ± 100.633 $\chi^2/\text{NDF}: 28.5/35$

In: -73.112 ± 76.606 $\chi^2/\text{NDF}: 34.5/31$

Out: -117.101 ± 76.567 $\chi^2/\text{NDF}: 41.7/34$

All: -95.118 ± 54.155 $\chi^2/\text{NDF}: 76.4/66$

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 357.664 $\pm$ 0.100 χ^2 /NDF: 629671.7/16

Left Out: 310.818 $\pm$ 0.064 χ^2 /NDF:206601.4/15

Right Out: 370.794 $\pm$ 0.101 χ^2 /NDF: 784786.3/18

Left In: 311.886 $\pm$ 0.064 χ^2 /NDF:151159.1/14

Left: 311.349 $\pm$ 0.045 χ^2 /NDF: 357898.6/30

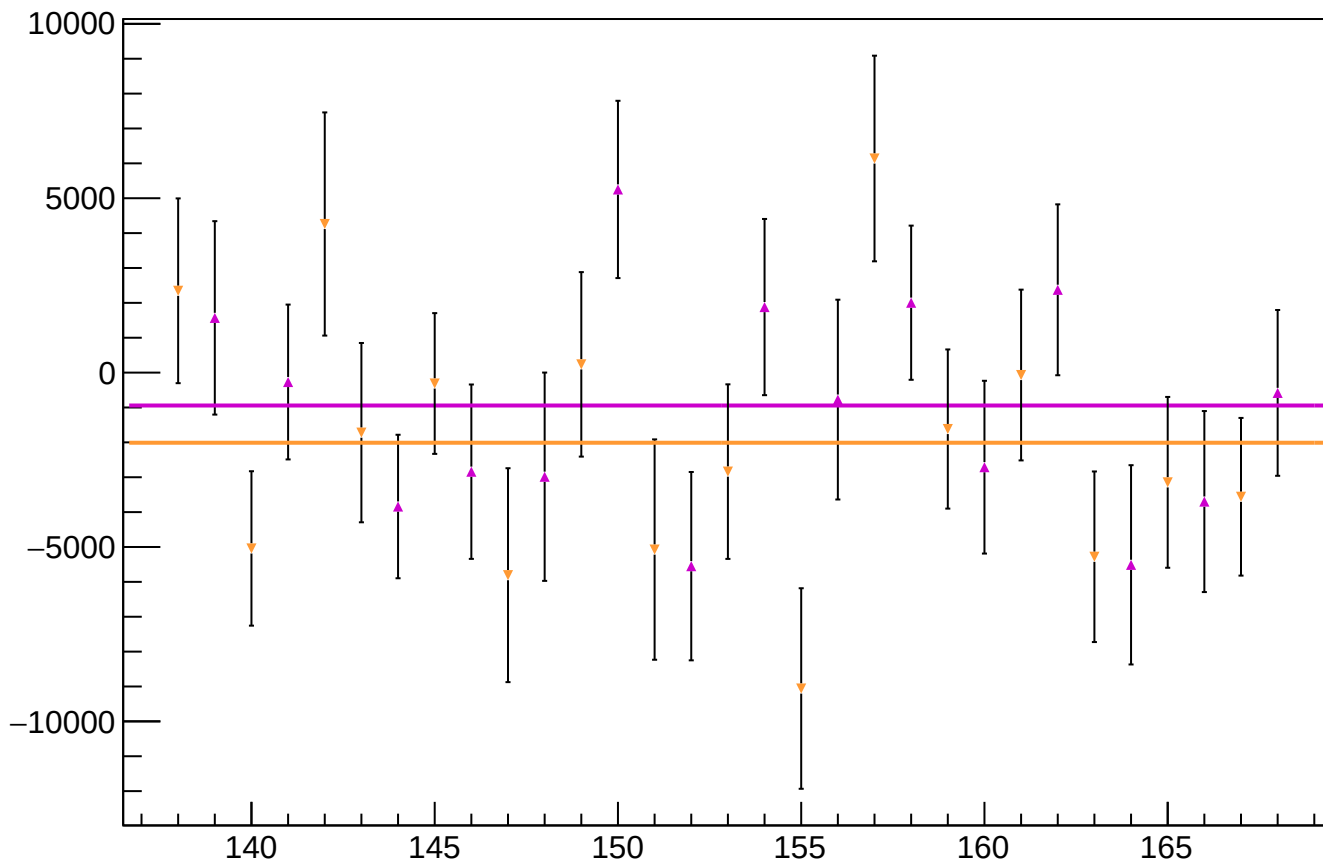
Right: 364.124 $\pm$ 0.071 χ^2 /NDF: 1422966.9/35

In: 325.362 $\pm$ 0.054 χ^2 /NDF:929181.8/31

Out: 327.900 $\pm$ 0.054 χ^2 /NDF:1241352.4/34

All: 326.632 $\pm$ 0.038 χ^2 /NDF: 2171632.5/66

asym_sam2_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -2010.810+/-635.686 χ^2/NDF :29.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -943.232+/-646.304 χ^2/NDF :21.9/14

Left: -1485.863+/-453.205 χ^2/NDF : 52.5/30

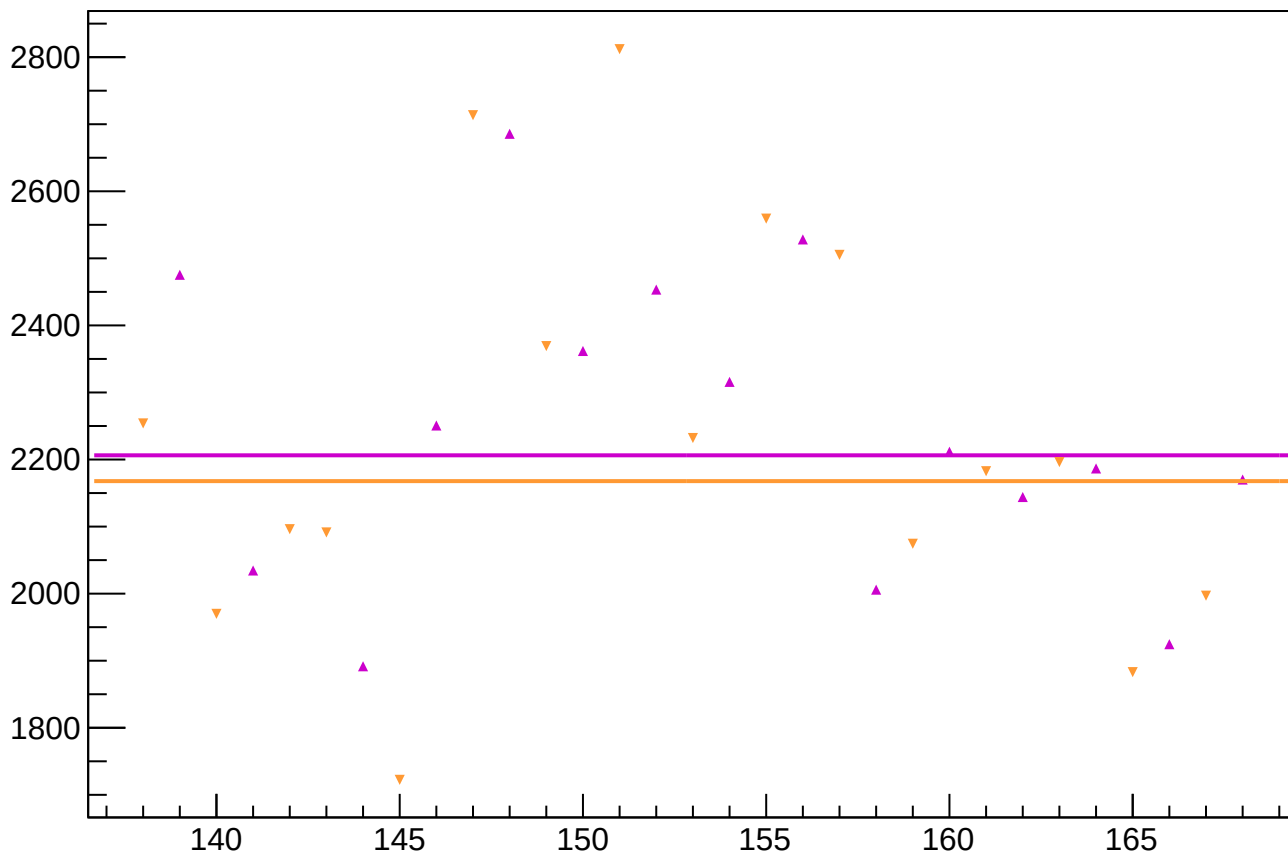
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -943.232+/-646.304 χ^2/NDF :21.9/14

Out: -2010.810+/-635.686 χ^2/NDF :29.2/15

All: -1485.863+/-453.205 χ^2/NDF : 52.5/30

asym_sam2_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 2167.798+/-0.449 χ^2/NDF :383118.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2206.287+/-0.457 χ^2/NDF :224864.1/14

Left: 2186.723+/-0.320 χ^2/NDF : 611587.7/30

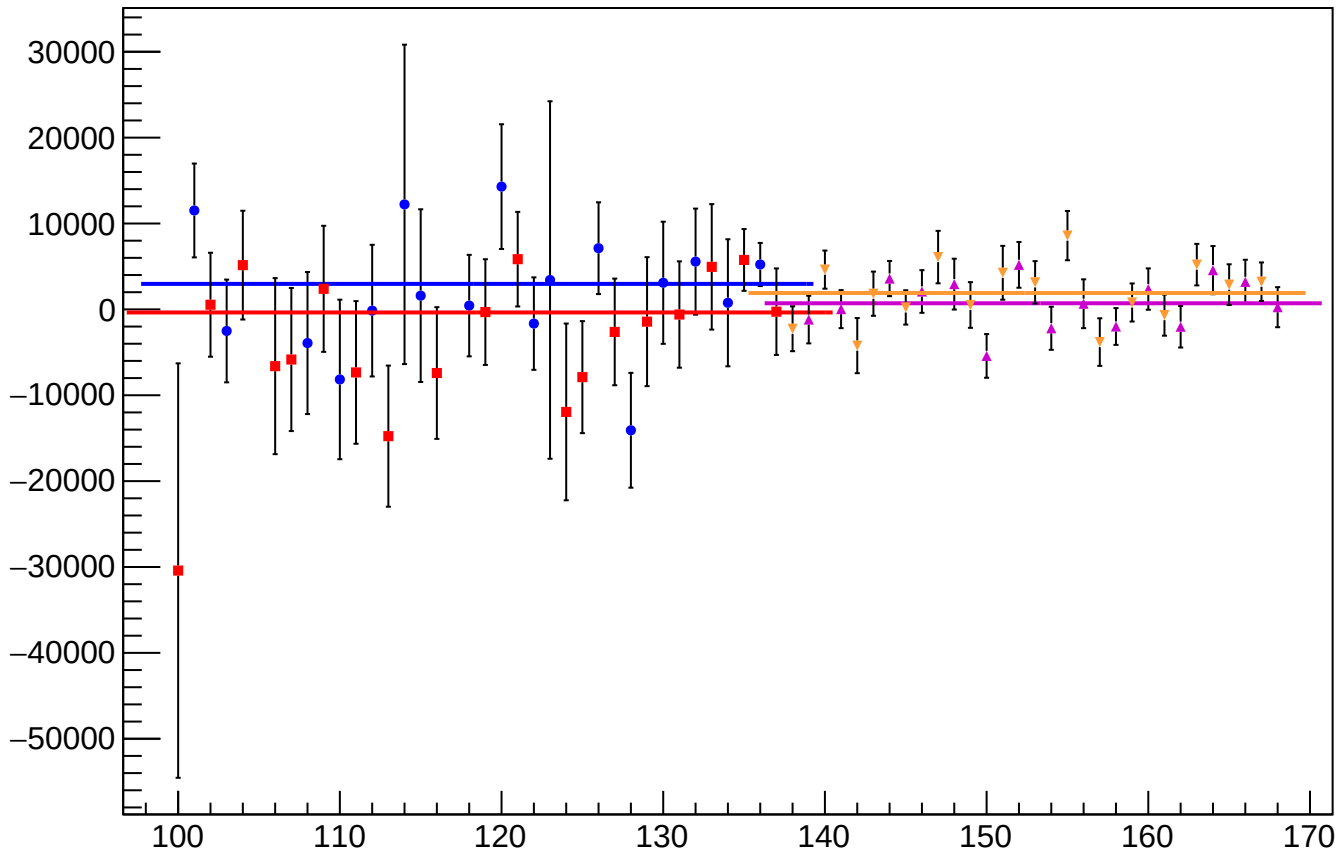
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2206.287+/-0.457 χ^2/NDF :224864.1/14

Out: 2167.798+/-0.449 χ^2/NDF :383118.3/15

All: 2186.723+/-0.320 χ^2/NDF : 611587.7/30

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2969.125 $\pm$ 1440.489 χ^2 /NDF: 17.4/16

Left Out: 1908.679 $\pm$ 627.638 χ^2 /NDF:24.8/15

Right Out: -358.685 $\pm$ 1507.064 χ^2 /NDF: 15.3/18

Left In: 711.876 $\pm$ 639.012 χ^2 /NDF:19.6/14

Left: 1321.023 $\pm$ 447.774 χ^2 /NDF: 46.2/30

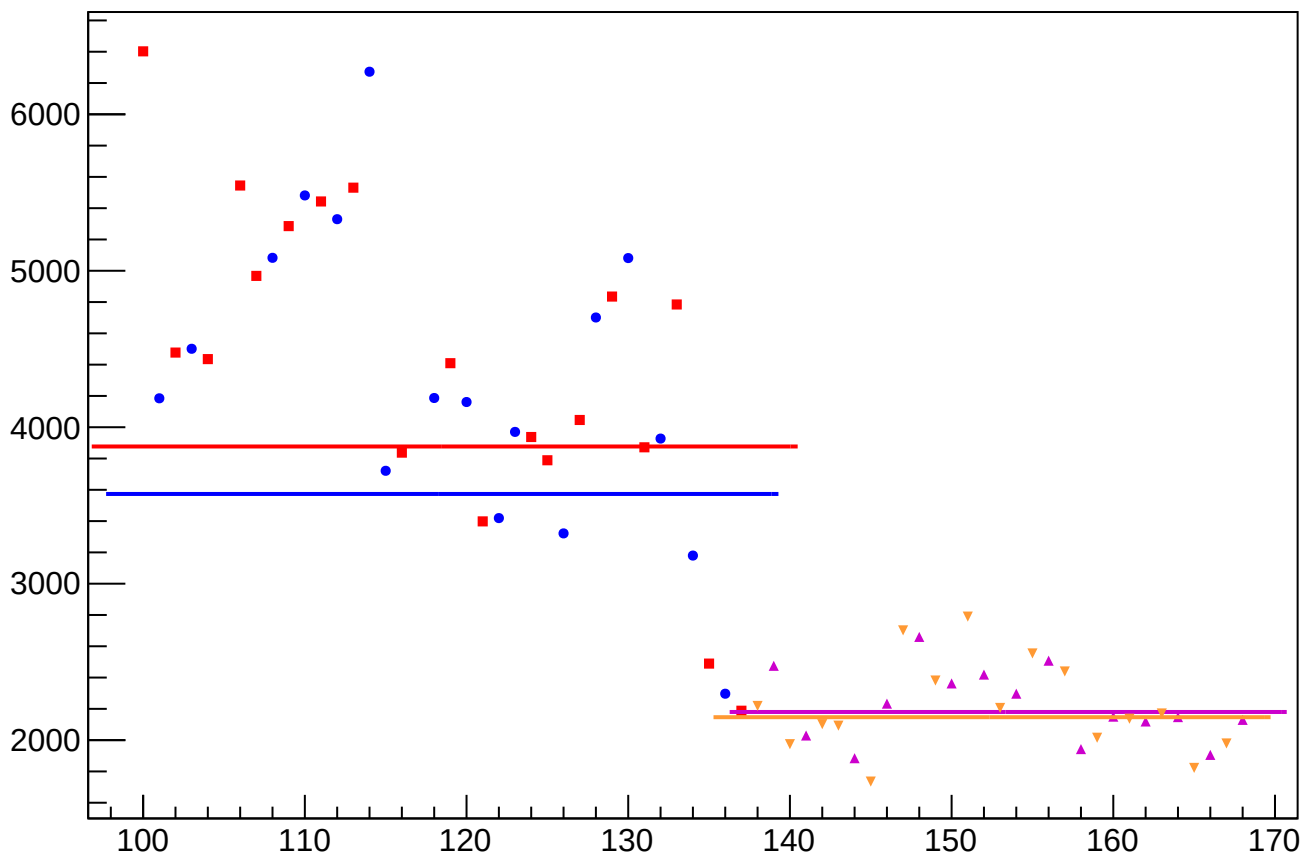
Right: 1380.346 $\pm$ 1041.320 χ^2 /NDF: 35.3/35

In: 1083.035 $\pm$ 584.118 χ^2 /NDF:39.0/31

Out: 1573.548 $\pm$ 579.400 χ^2 /NDF:42.1/34

All: 1330.281 $\pm$ 411.355 χ^2 /NDF: 81.5/66

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3573.470+/-1.019 χ^2/NDF : 1088731.5/16

Left Out: 2146.635+/-0.444 χ^2/NDF : 384822.1/15

Right Out: 3876.914+/-1.066 χ^2/NDF : 988409.8/18

Left In: 2180.022+/-0.452 χ^2/NDF : 234324.6/14

Left: 2163.029+/-0.317 χ^2/NDF : 621925.5/30

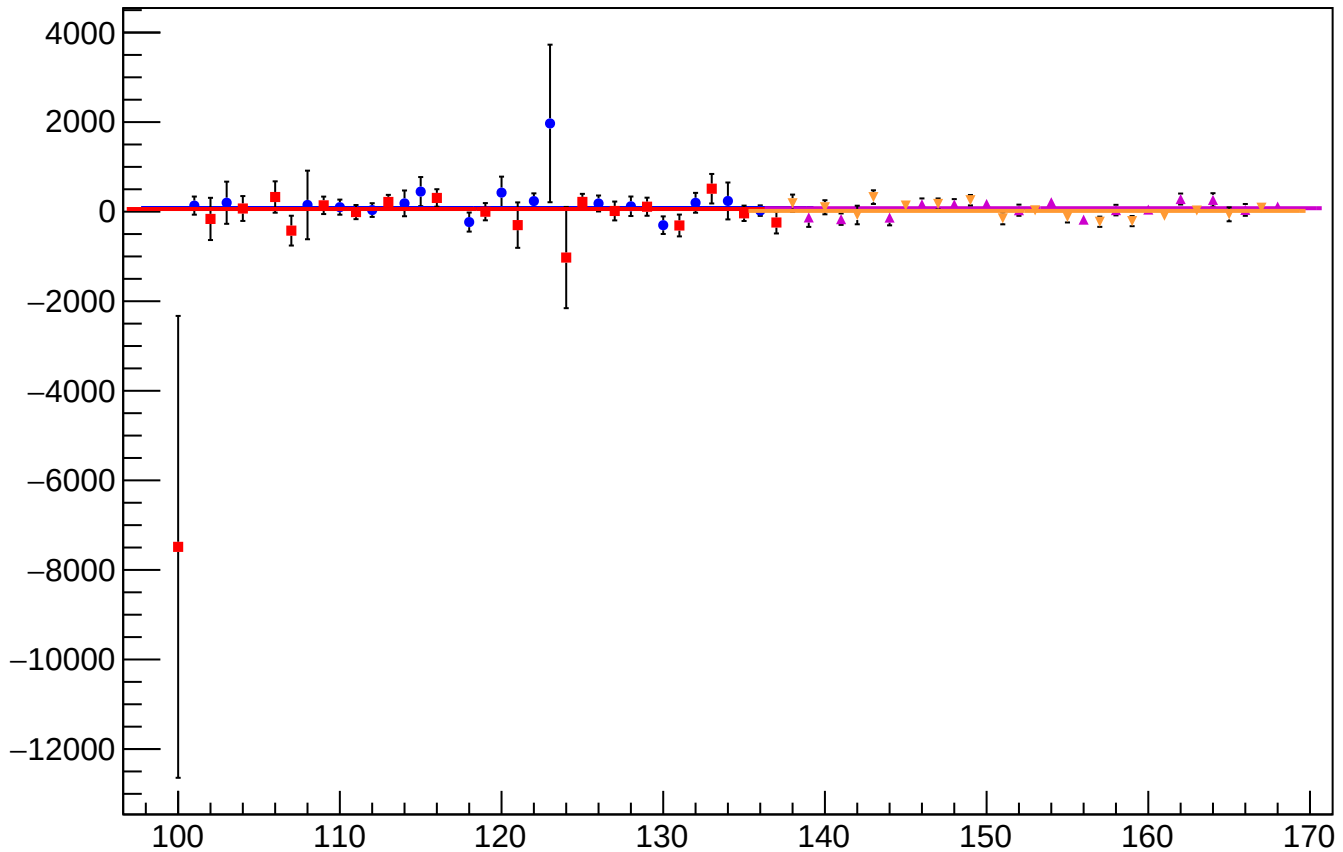
Right: 3718.342+/-0.736 χ^2/NDF : 2119512.7/35

In: 2409.146+/-0.413 χ^2/NDF : 2886831.9/31

Out: 2402.381+/-0.410 χ^2/NDF : 3619889.7/34

All: 2405.736+/-0.291 χ^2/NDF : 6506856.9/66

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 81.851 $\pm$ 51.907 χ^2 /NDF: 11.5/16

Left Out: 17.263 $\pm$ 30.706 χ^2 /NDF:25.6/15

Right Out: 59.008 $\pm$ 53.165 χ^2 /NDF: 16.4/18

Left In: 77.087 $\pm$ 30.803 χ^2 /NDF:19.7/14

Left: 47.081 $\pm$ 21.747 χ^2 /NDF: 47.2/30

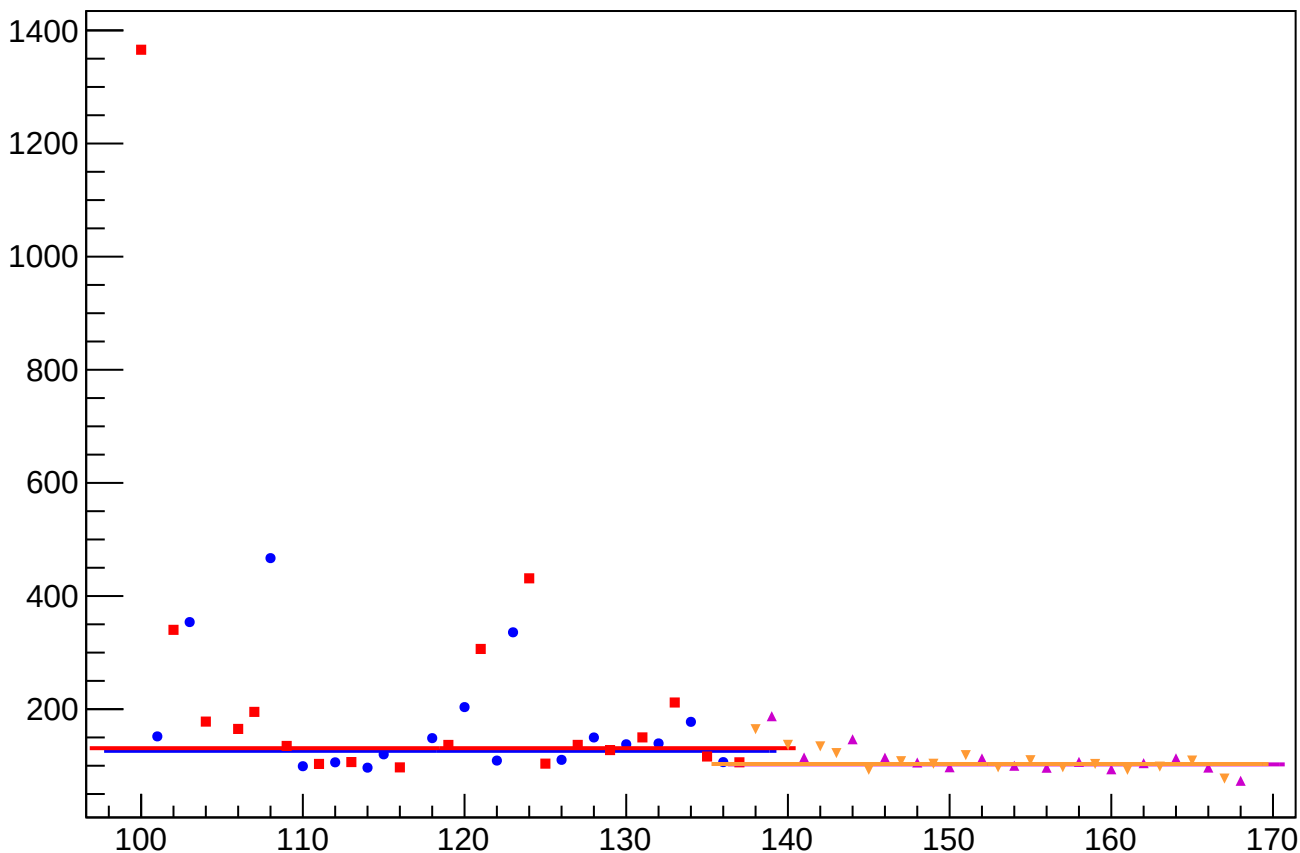
Right: 70.703 $\pm$ 37.141 χ^2 /NDF: 28.1/35

In: 78.328 $\pm$ 26.490 χ^2 /NDF:31.3/31

Out: 27.705 $\pm$ 26.590 χ^2 /NDF:42.5/34

All: 53.112 $\pm$ 18.766 χ^2 /NDF: 75.5/66

dit_asym_sam3_rms vs Slug, Sign Corrected



Left: 102.724 ± 0.015 $\chi^2/\text{NDF}: 1441008.3/30$

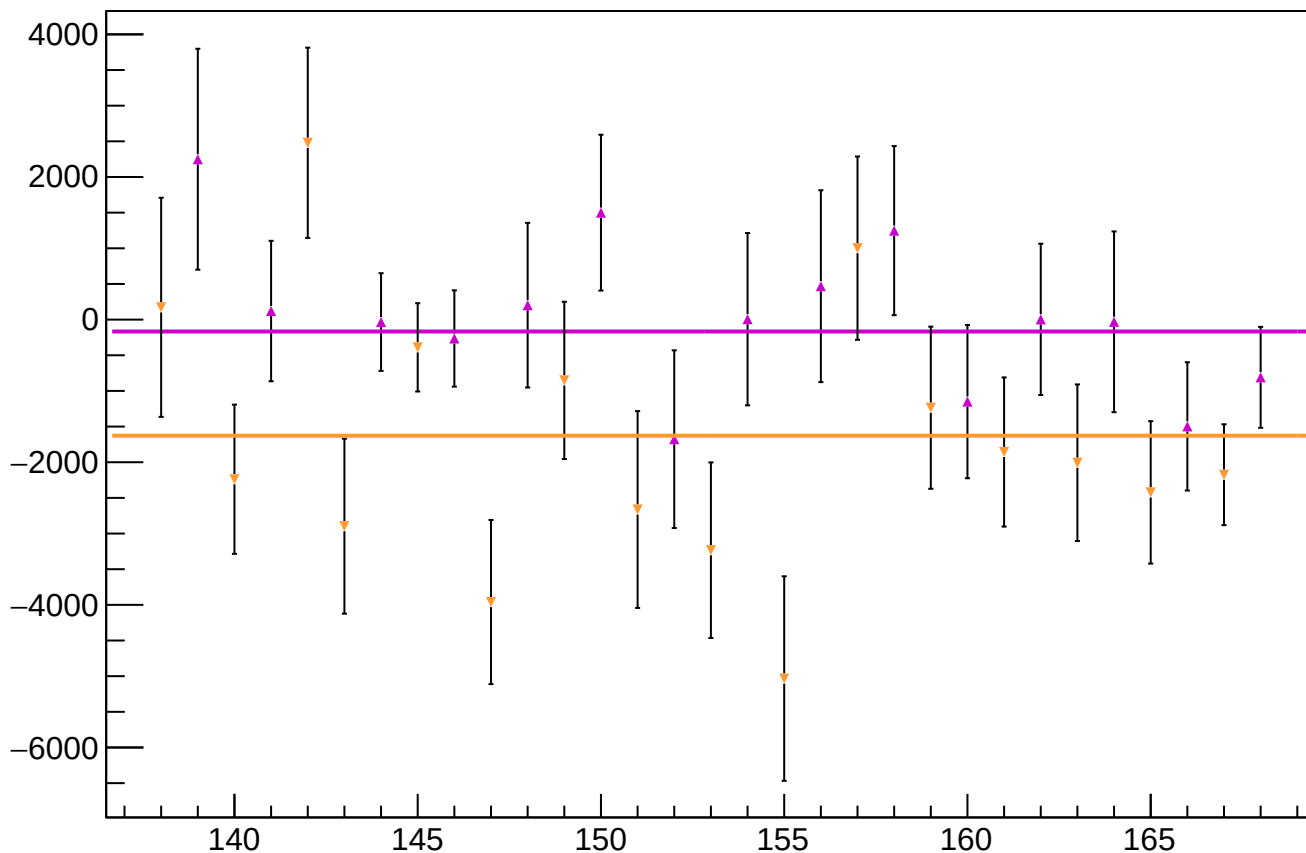
Right: 128.617 ± 0.026 $\chi^2/\text{NDF}: 2747739.0/35$

In: 108.614 ± 0.019 $\chi^2/\text{NDF}: 2432690.1/31$

Out: 110.061 ± 0.019 $\chi^2/\text{NDF}: 2476987.1/34$

All: 109.335 ± 0.013 $\chi^2/\text{NDF}: 4912650.5/66$

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1627.784+/-262.185 χ^2/NDF :34.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -166.553+/-253.494 χ^2/NDF :12.0/14

Left: -872.550+/-182.242 χ^2/NDF : 62.6/30

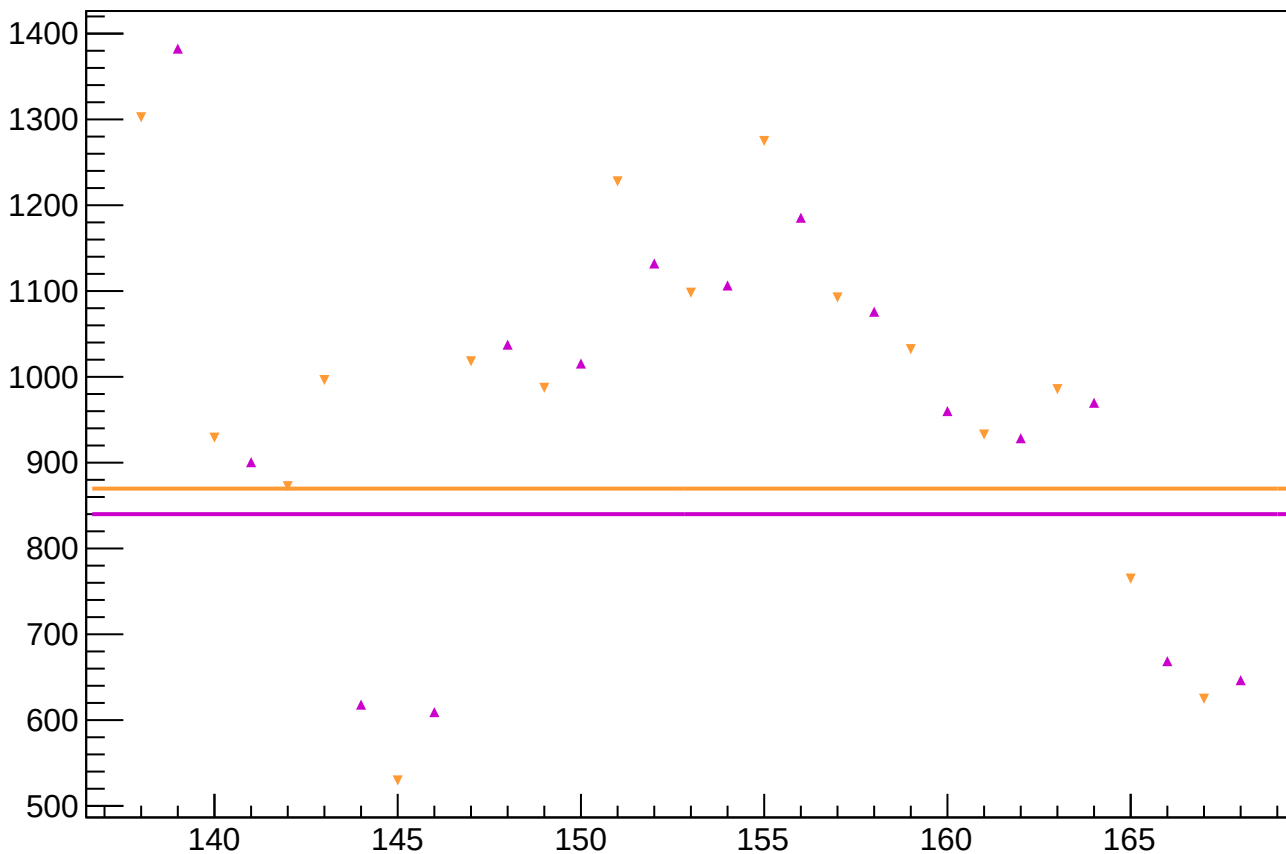
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -166.553+/-253.494 χ^2/NDF :12.0/14

Out: -1627.784+/-262.185 χ^2/NDF :34.5/15

All: -872.550+/-182.242 χ^2/NDF : 62.6/30

asym_sam3_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 869.769+/-0.185 χ^2/NDF :1601281.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 839.989+/-0.179 χ^2/NDF :1506662.0/14

Left: 854.377+/-0.129 χ^2/NDF : 3121279.5/30

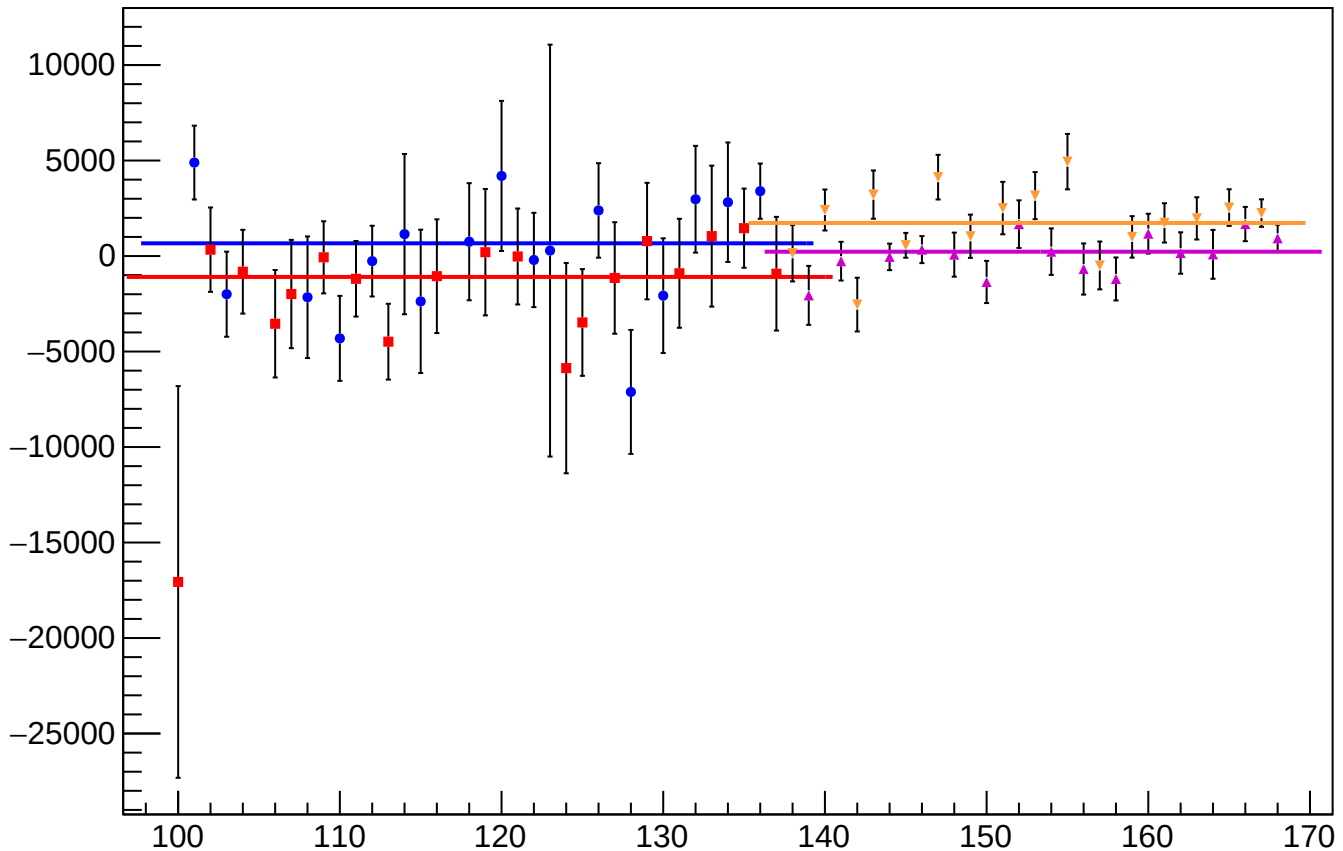
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 839.989+/-0.179 χ^2/NDF :1506662.0/14

Out: 869.769+/-0.185 χ^2/NDF :1601281.1/15

All: 854.377+/-0.129 χ^2/NDF : 3121279.5/30

asym_sam3_mean vs Slug, Sign Corrected



Right In: 666.453+/-618.839 χ^2/NDF : 25.6/16

Left Out: 1731.449+/-264.865 χ^2/NDF : 31.4/15

Right Out: -1094.278+/-602.639 χ^2/NDF : 11.0/18

Left In: 226.960+/-255.719 χ^2/NDF : 12.5/14

Left: 952.781+/-183.969 χ^2/NDF : 60.6/30

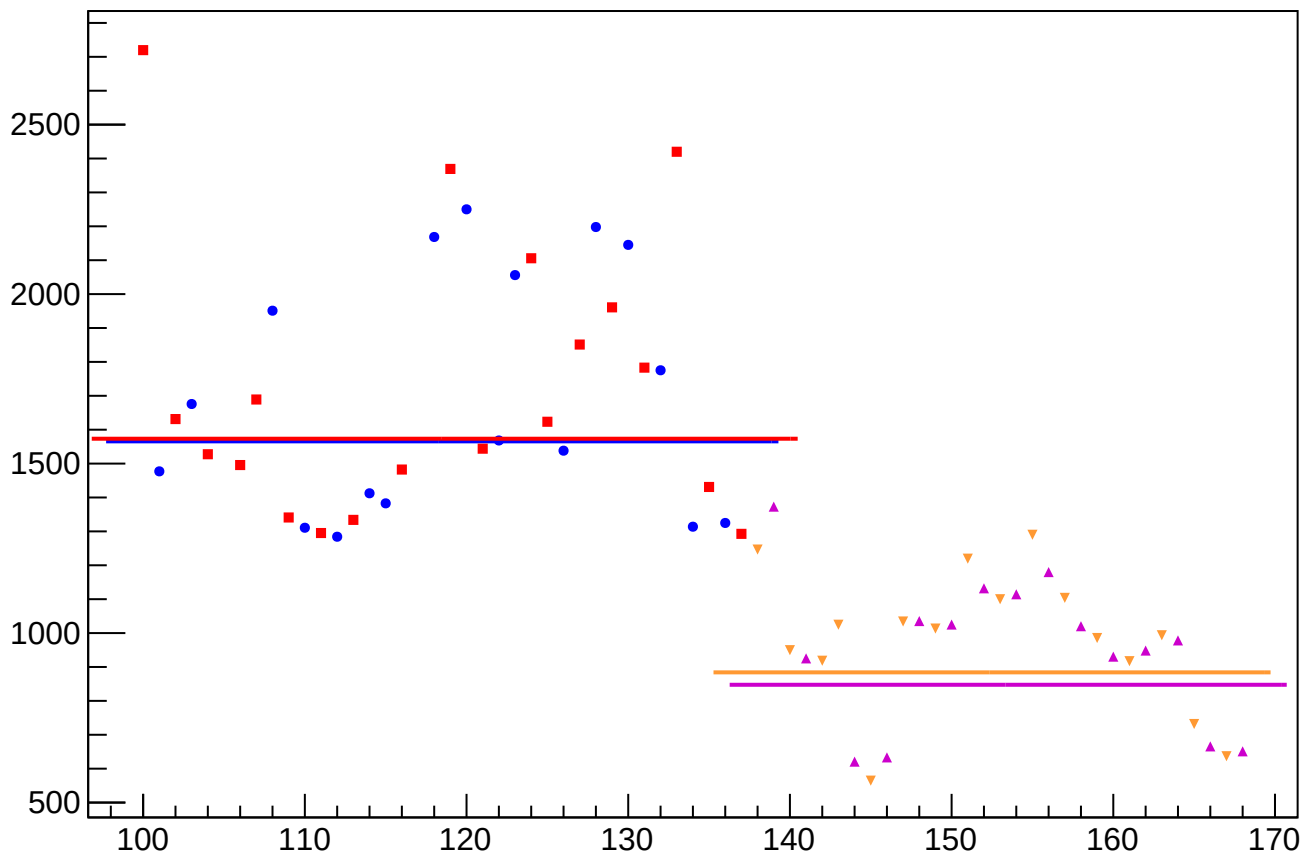
Right: -237.260+/-431.744 χ^2/NDF : 40.8/35

In: 291.060+/-236.337 χ^2/NDF : 38.6/31

Out: 1273.977+/-242.479 χ^2/NDF : 60.8/34

All: 769.911+/-169.245 χ^2/NDF : 107.8/66

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1565.623 $\pm$ 0.438 χ^2 /NDF: 490790.2/16

Left Out: 884.099 $\pm$ 0.187 χ^2 /NDF: 1418817.3/15

Right Out: 1573.366 $\pm$ 0.426 χ^2 /NDF: 462040.3/18

Left In: 847.472 $\pm$ 0.181 χ^2 /NDF: 1400511.3/14

Left: 865.142 $\pm$ 0.130 χ^2 /NDF: 2839123.1/30

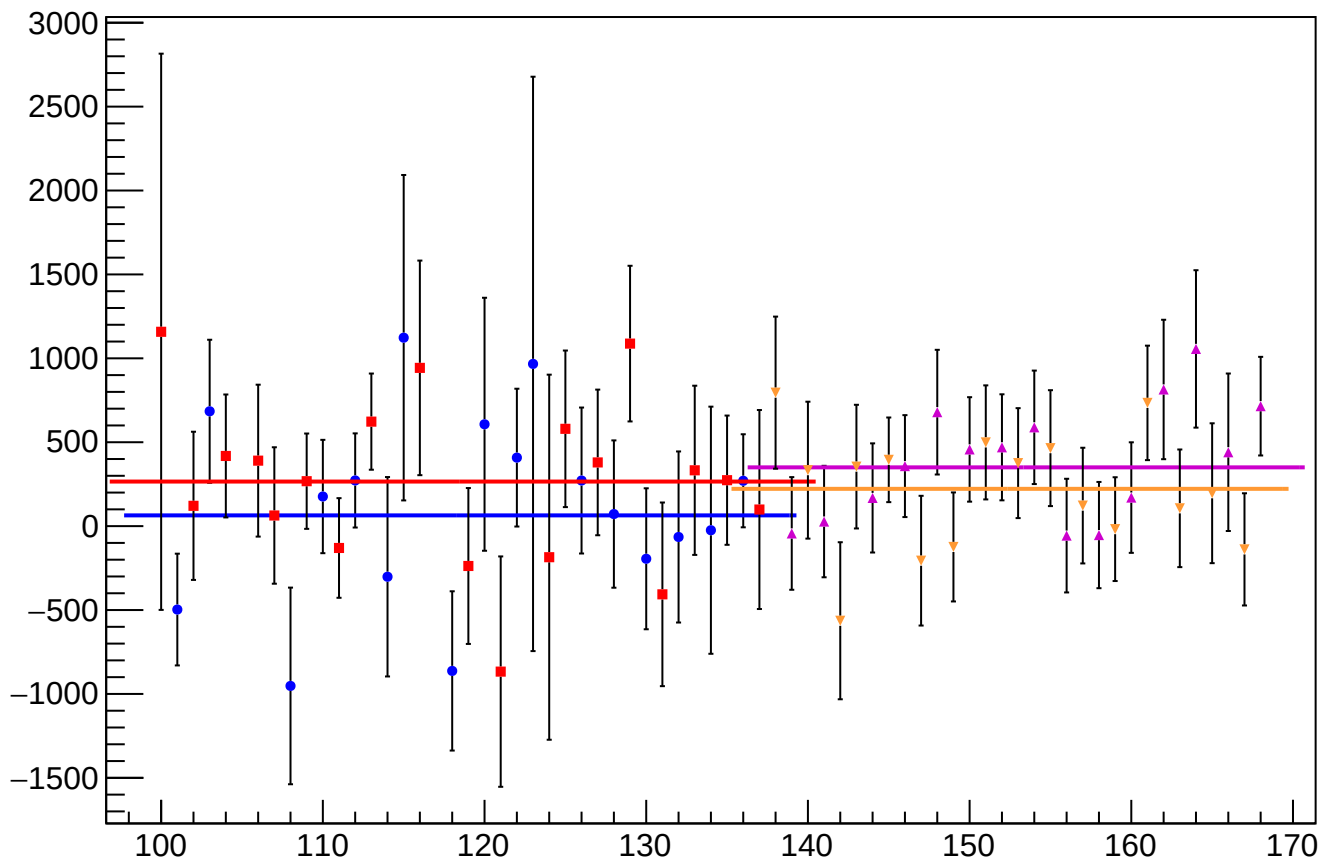
Right: 1569.597 $\pm$ 0.305 χ^2 /NDF: 952991.2/35

In: 952.214 $\pm$ 0.167 χ^2 /NDF: 4191895.0/31

Out: 995.688 $\pm$ 0.171 χ^2 /NDF: 4073602.3/34

All: 973.393 $\pm$ 0.120 χ^2 /NDF: 8298466.3/66

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 64.087 ± 105.336 $\chi^2/\text{NDF}: 16.8/16$

Left Out: 222.265 ± 87.246 $\chi^2/\text{NDF}: 13.1/15$

Right Out: 265.661 ± 99.379 $\chi^2/\text{NDF}: 14.7/18$

Left In: 350.254 ± 88.065 $\chi^2/\text{NDF}: 12.6/14$

Left: 285.662 ± 61.980 $\chi^2/\text{NDF}: 26.8/30$

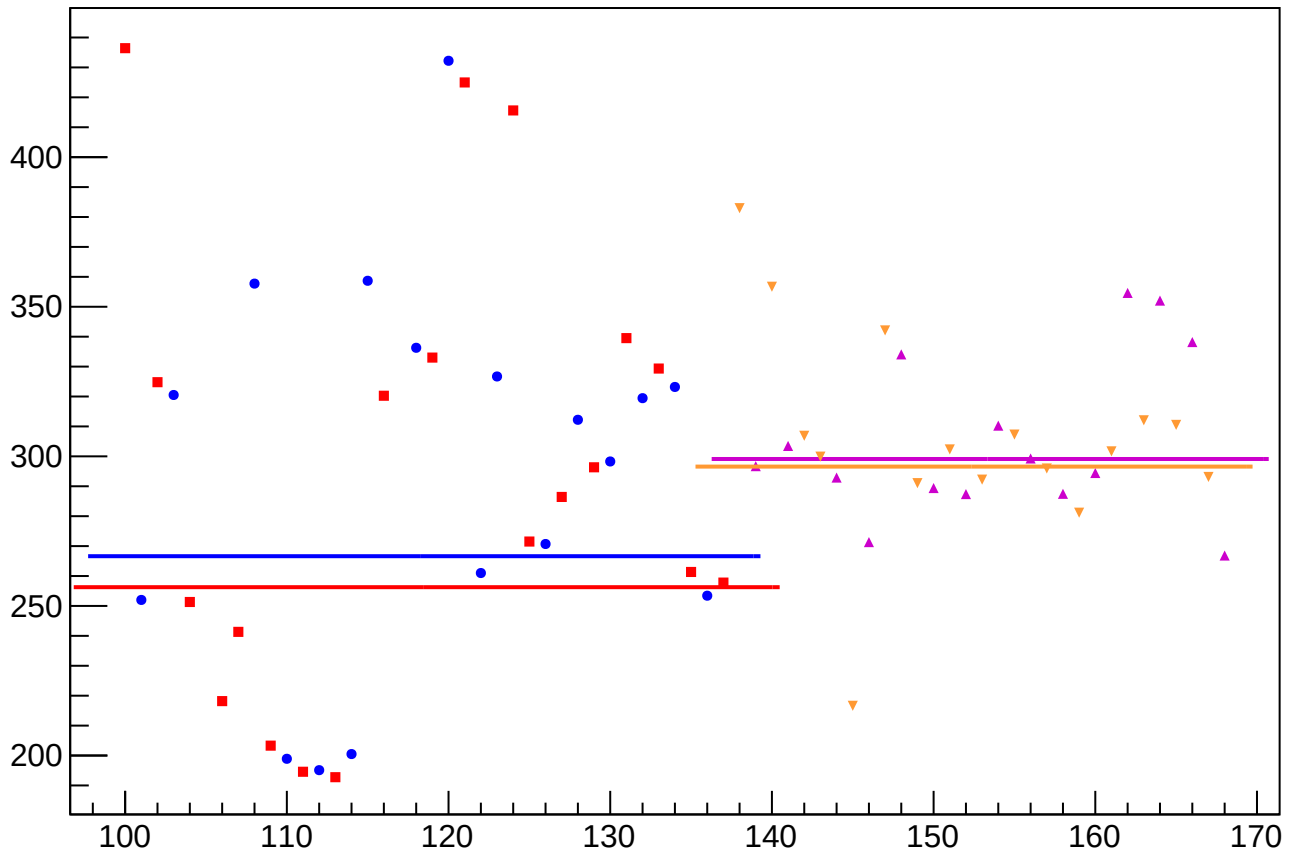
Right: 170.735 ± 72.286 $\chi^2/\text{NDF}: 33.4/35$

In: 232.524 ± 67.563 $\chi^2/\text{NDF}: 33.7/31$

Out: 241.154 ± 65.565 $\chi^2/\text{NDF}: 27.8/34$

All: 236.969 ± 47.052 $\chi^2/\text{NDF}: 61.6/66$

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 266.624+/-0.074 χ^2/NDF : 550752.5/16

Left Out: 296.575+/-0.062 χ^2/NDF :361131.6/15

Right Out: 256.268+/-0.070 χ^2/NDF : 696896.2/18

Left In: 299.117+/-0.062 χ^2/NDF :144773.5/14

Left: 297.834+/-0.044 χ^2/NDF : 506746.0/30

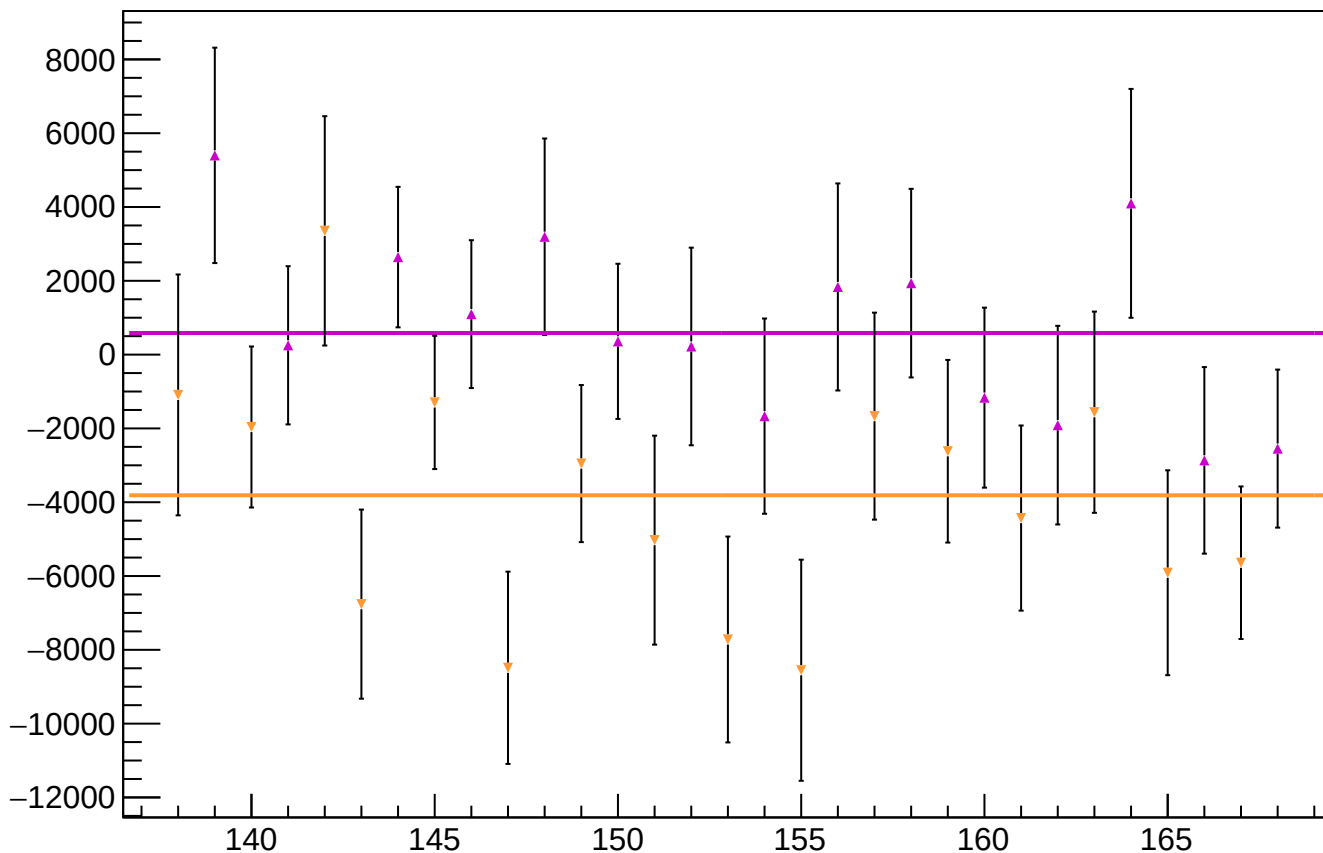
Right: 261.145+/-0.051 χ^2/NDF : 1257876.6/35

In: 285.749+/-0.048 χ^2/NDF :807536.4/31

Out: 279.031+/-0.046 χ^2/NDF :1243825.9/34

All: 282.289+/-0.033 χ^2/NDF : 2061546.7/66

asym_sam4_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -3812.139+/-626.637 χ^2/NDF :20.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 585.839+/-623.205 χ^2/NDF :12.8/14

Left: -1601.073+/-441.881 χ^2/NDF : 58.5/30

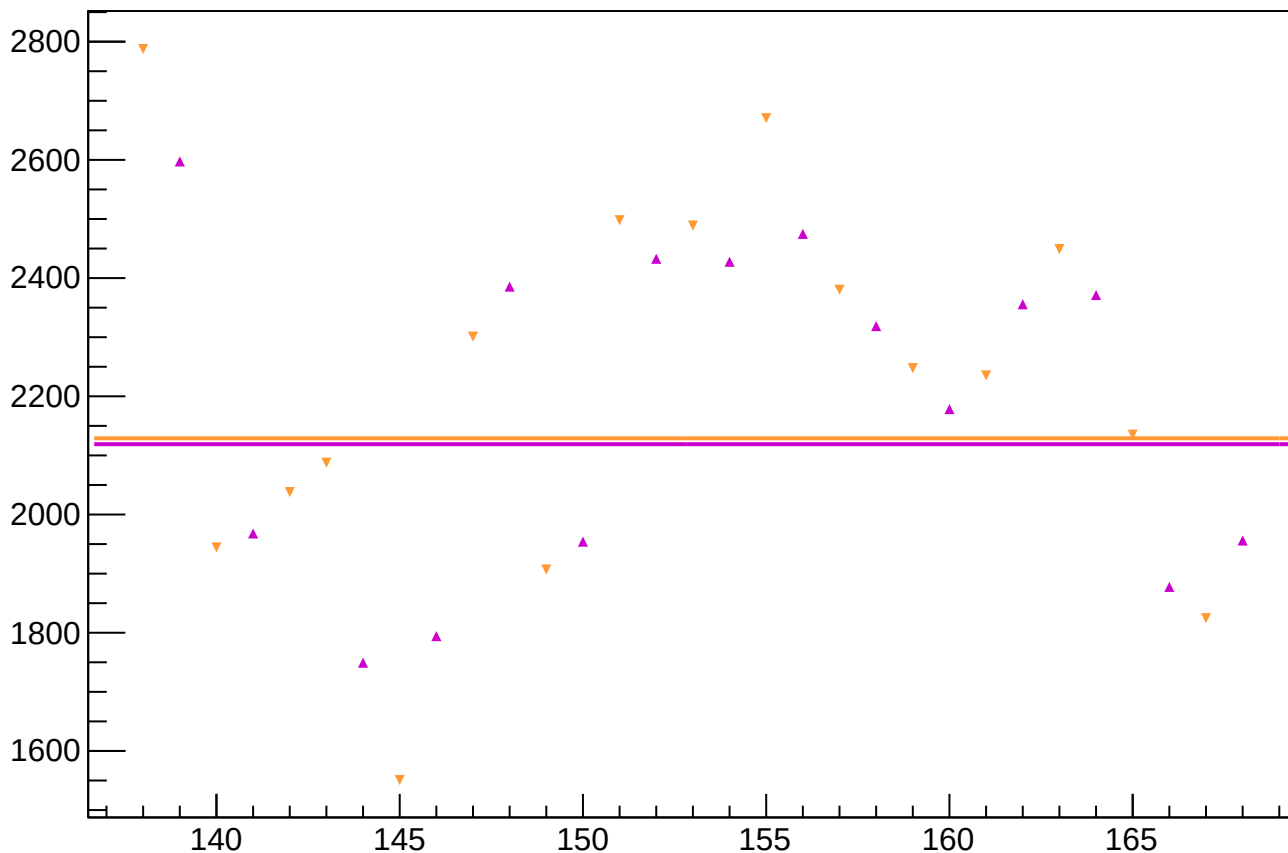
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 585.839+/-623.205 χ^2/NDF :12.8/14

Out: -3812.139+/-626.637 χ^2/NDF :20.9/15

All: -1601.073+/-441.881 χ^2/NDF : 58.5/30

asym_sam4_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 2128.941+/-0.443 χ^2/NDF :561146.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2119.006+/-0.441 χ^2/NDF :382766.6/14

Left: 2123.946+/-0.312 χ^2/NDF : 944166.1/30

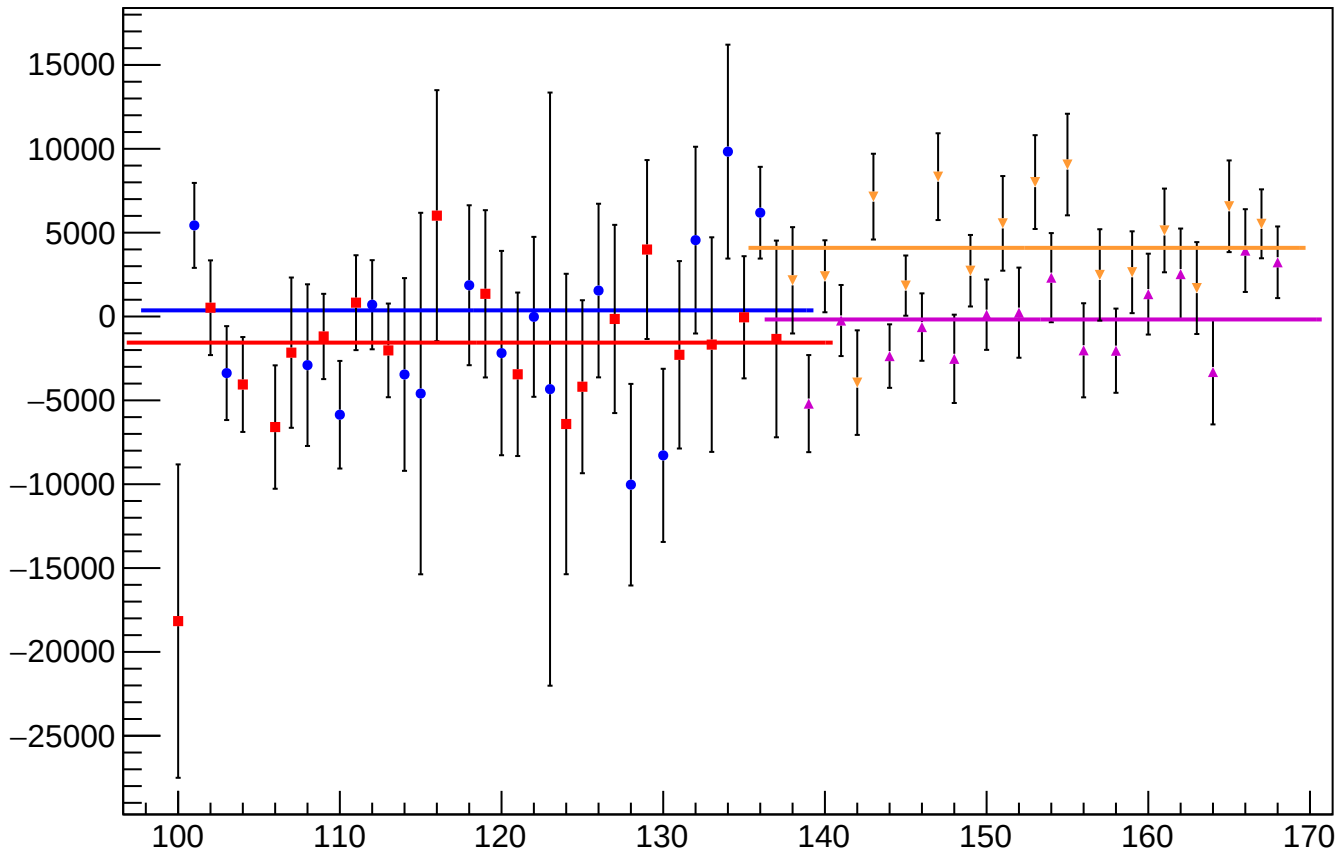
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2119.006+/-0.441 χ^2/NDF :382766.6/14

Out: 2128.941+/-0.443 χ^2/NDF :561146.7/15

All: 2123.946+/-0.312 χ^2/NDF : 944166.1/30

asym_sam4_mean vs Slug, Sign Corrected



Right In: 366.454 ± 992.480 $\chi^2/\text{NDF}: 24.2/16$

Left Out: 4093.588 ± 622.414 $\chi^2/\text{NDF}: 21.6/15$

Right Out: -1557.388 ± 924.003 $\chi^2/\text{NDF}: 10.5/18$

Left In: -176.135 ± 620.332 $\chi^2/\text{NDF}: 14.8/14$

Left: 1951.573 ± 439.375 $\chi^2/\text{NDF}: 60.0/30$

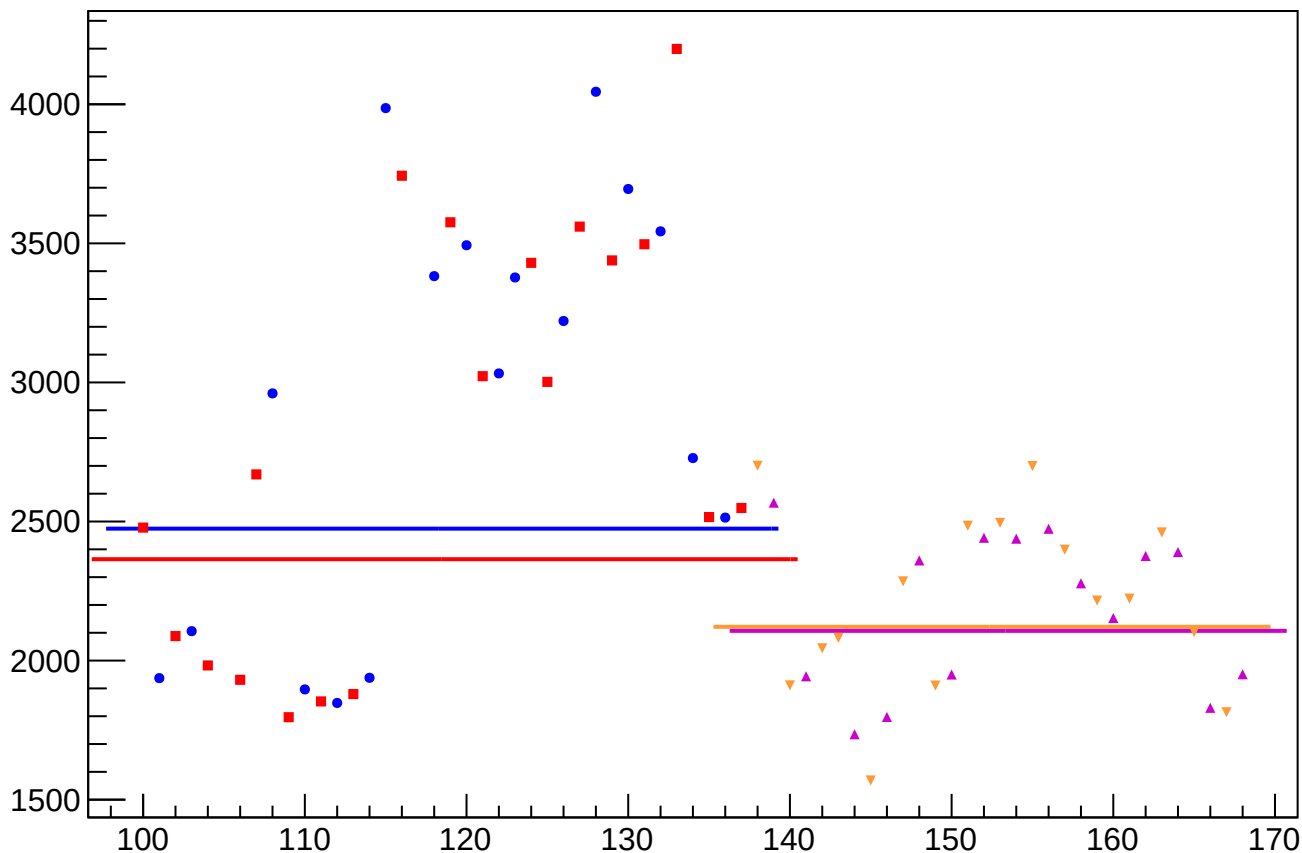
Right: -664.120 ± 676.282 $\chi^2/\text{NDF}: 36.7/35$

In: -23.711 ± 526.033 $\chi^2/\text{NDF}: 39.2/31$

Out: 2329.796 ± 516.220 $\chi^2/\text{NDF}: 57.9/34$

All: 1175.198 ± 368.443 $\chi^2/\text{NDF}: 107.3/66$

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2474.389 $\pm$ 0.702 χ^2 /NDF: 906262.1/16

Left Out: 2121.512 $\pm$ 0.440 χ^2 /NDF: 548652.7/15

Right Out: 2364.507 $\pm$ 0.653 χ^2 /NDF: 1023402.8/18

Left In: 2106.909 $\pm$ 0.439 χ^2 /NDF: 395006.8/14

Left: 2114.186 $\pm$ 0.311 χ^2 /NDF: 944211.8/30

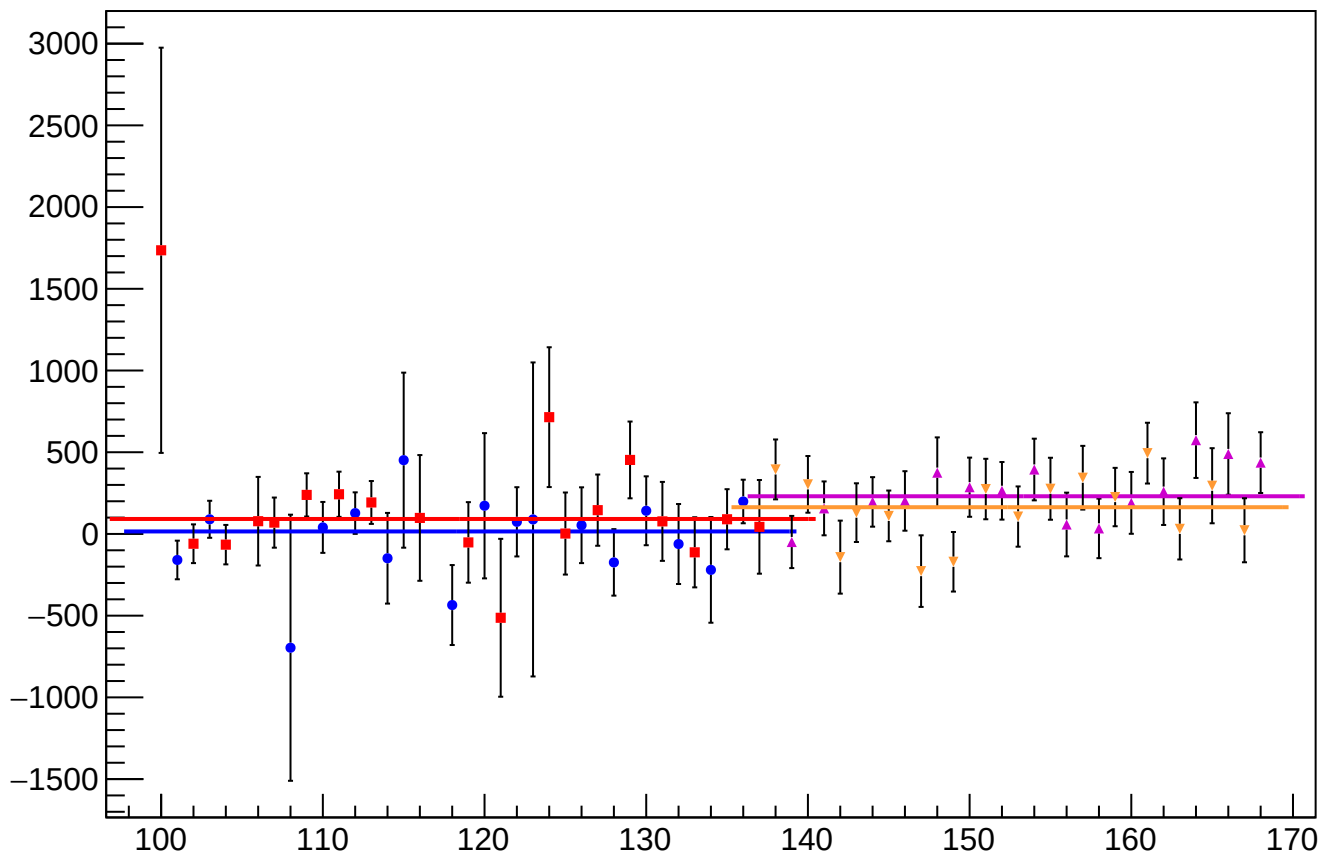
Right: 2415.527 $\pm$ 0.478 χ^2 /NDF: 1942797.3/35

In: 2210.141 $\pm$ 0.372 χ^2 /NDF: 1498434.4/31

Out: 2197.356 $\pm$ 0.365 χ^2 /NDF: 1667201.2/34

All: 2203.628 $\pm$ 0.261 χ^2 /NDF: 3166237.4/66

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 15.303+/-46.443 χ^2/NDF : 12.6/16

Left Out: 163.551+/-46.983 χ^2/NDF : 17.1/15

Right Out: 91.634+/-43.318 χ^2/NDF : 15.7/18

Left In: 230.578+/-47.991 χ^2/NDF : 11.2/14

Left: 196.353+/-33.572 χ^2/NDF : 29.3/30

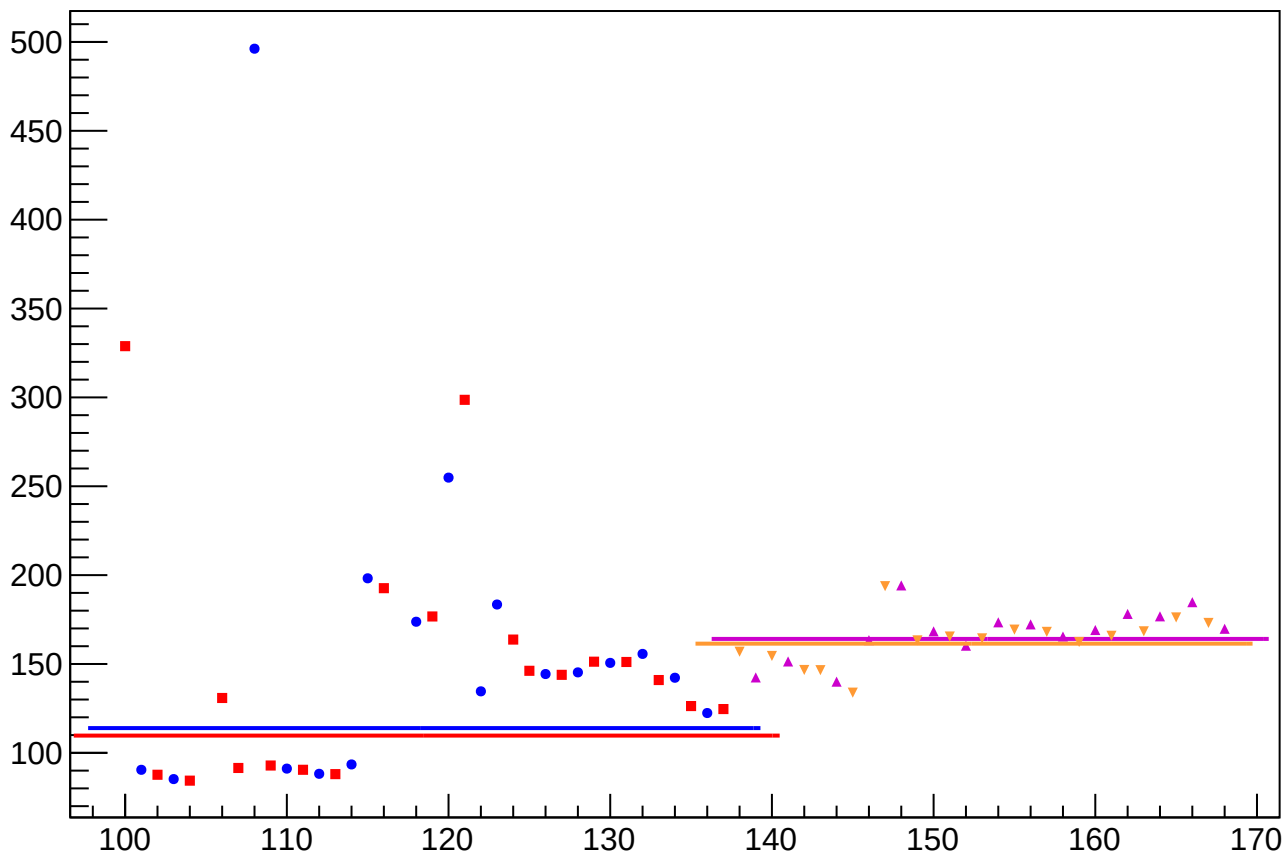
Right: 56.123+/-31.678 χ^2/NDF : 29.7/35

In: 119.415+/-33.374 χ^2/NDF : 34.2/31

Out: 124.679+/-31.847 χ^2/NDF : 34.0/34

All: 122.170+/-23.040 χ^2/NDF : 68.2/66

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.932 $\pm$ 0.033 χ^2 /NDF: 1407849.3/16

Left Out: 161.439 $\pm$ 0.033 χ^2 /NDF:160448.9/15

Right Out: 109.709 $\pm$ 0.031 χ^2 /NDF: 1242014.6/18

Left In: 164.109 $\pm$ 0.034 χ^2 /NDF:181155.3/14

Left: 162.746 $\pm$ 0.024 χ^2 /NDF: 344766.2/30

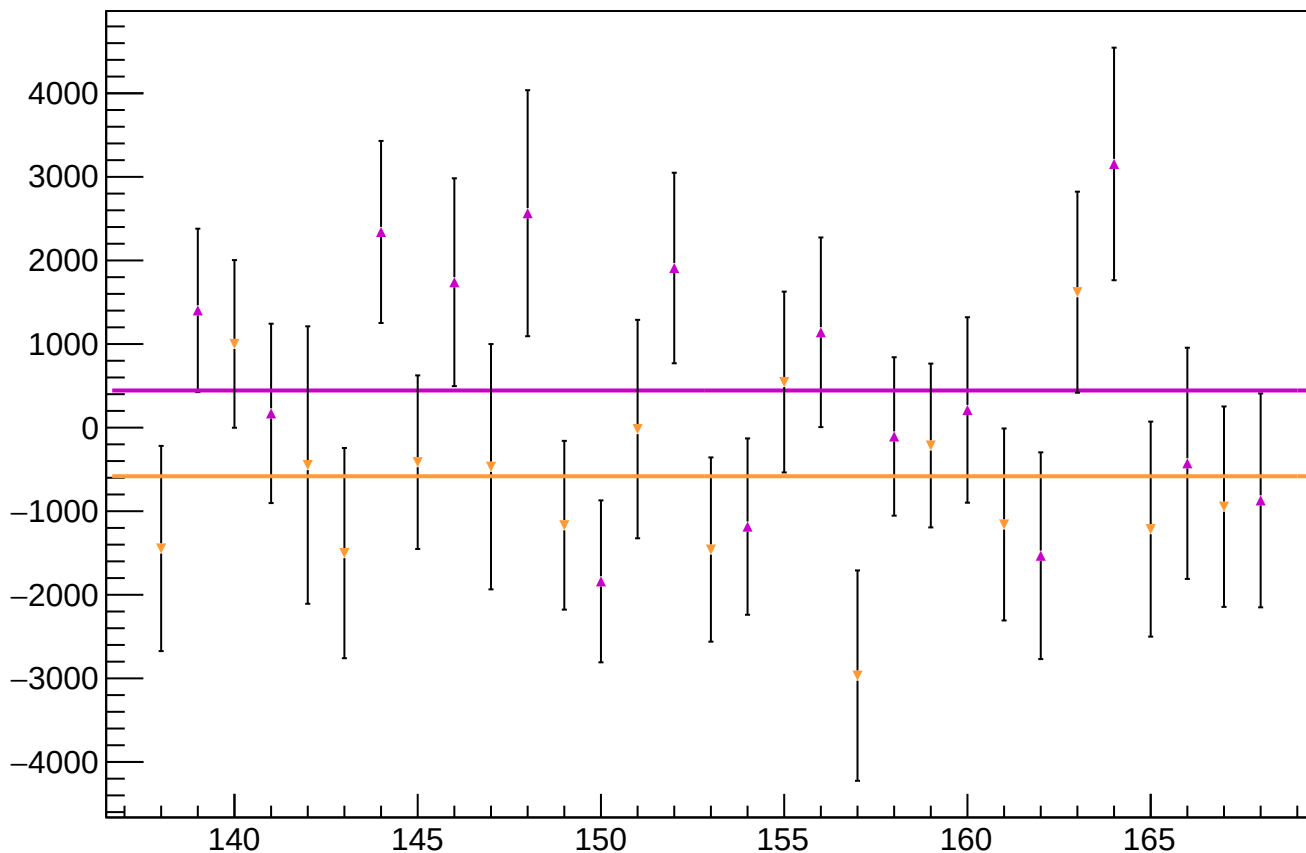
Right: 111.674 $\pm$ 0.022 χ^2 /NDF: 2658703.6/35

In: 138.199 $\pm$ 0.024 χ^2 /NDF:2718030.2/31

Out: 133.478 $\pm$ 0.023 χ^2 /NDF:2712959.3/34

All: 135.728 $\pm$ 0.016 χ^2 /NDF: 5451929.0/66

asym_sam5_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -581.772+/-292.209 χ^2/NDF :13.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 444.457+/-293.527 χ^2/NDF :25.4/14

Left: -70.967+/-207.087 χ^2/NDF : 45.0/30

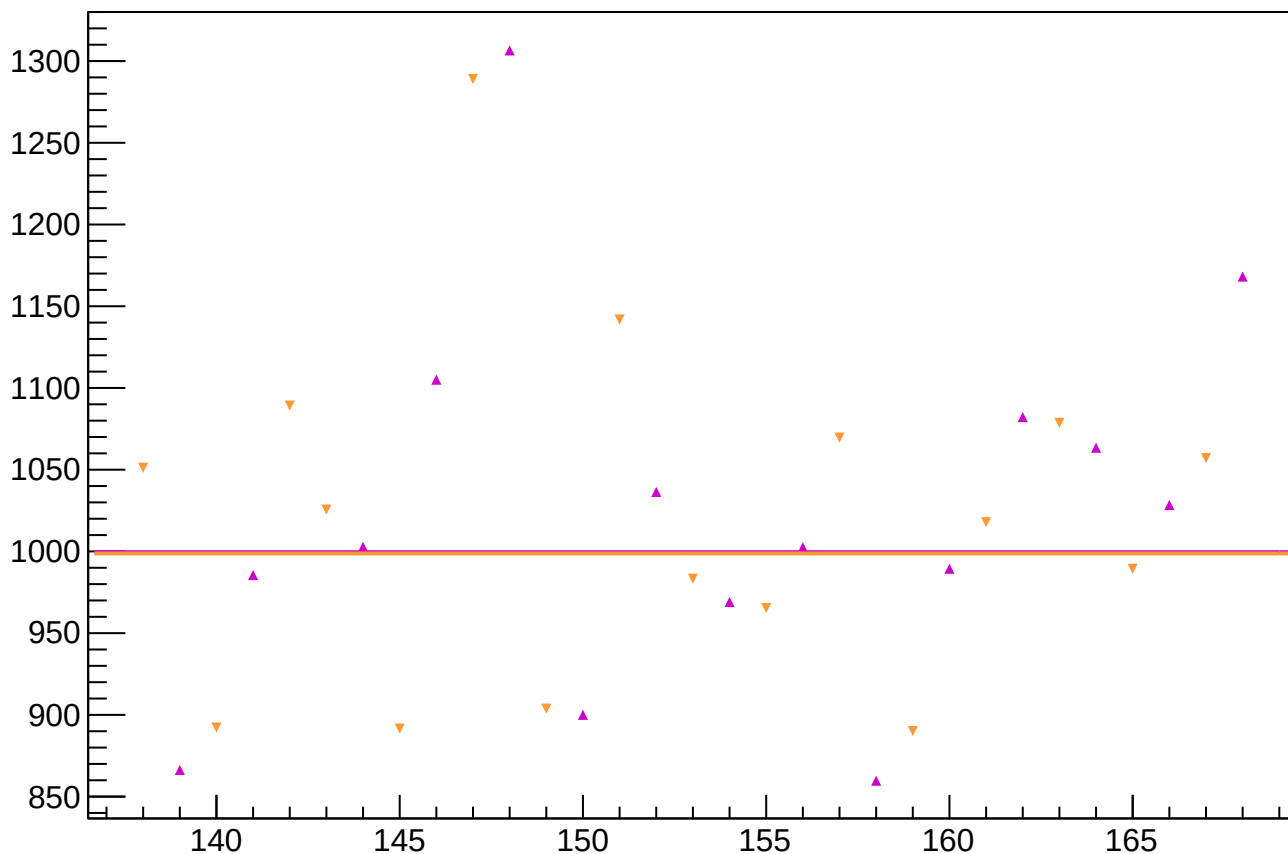
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 444.457+/-293.527 χ^2/NDF :25.4/14

Out: -581.772+/-292.209 χ^2/NDF :13.5/15

All: -70.967+/-207.087 χ^2/NDF : 45.0/30

asym_sam5_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 998.741+/-0.207 χ^2/NDF :221708.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 999.523+/-0.208 χ^2/NDF :256279.7/14

Left: 999.130+/-0.146 χ^2/NDF : 477994.9/30

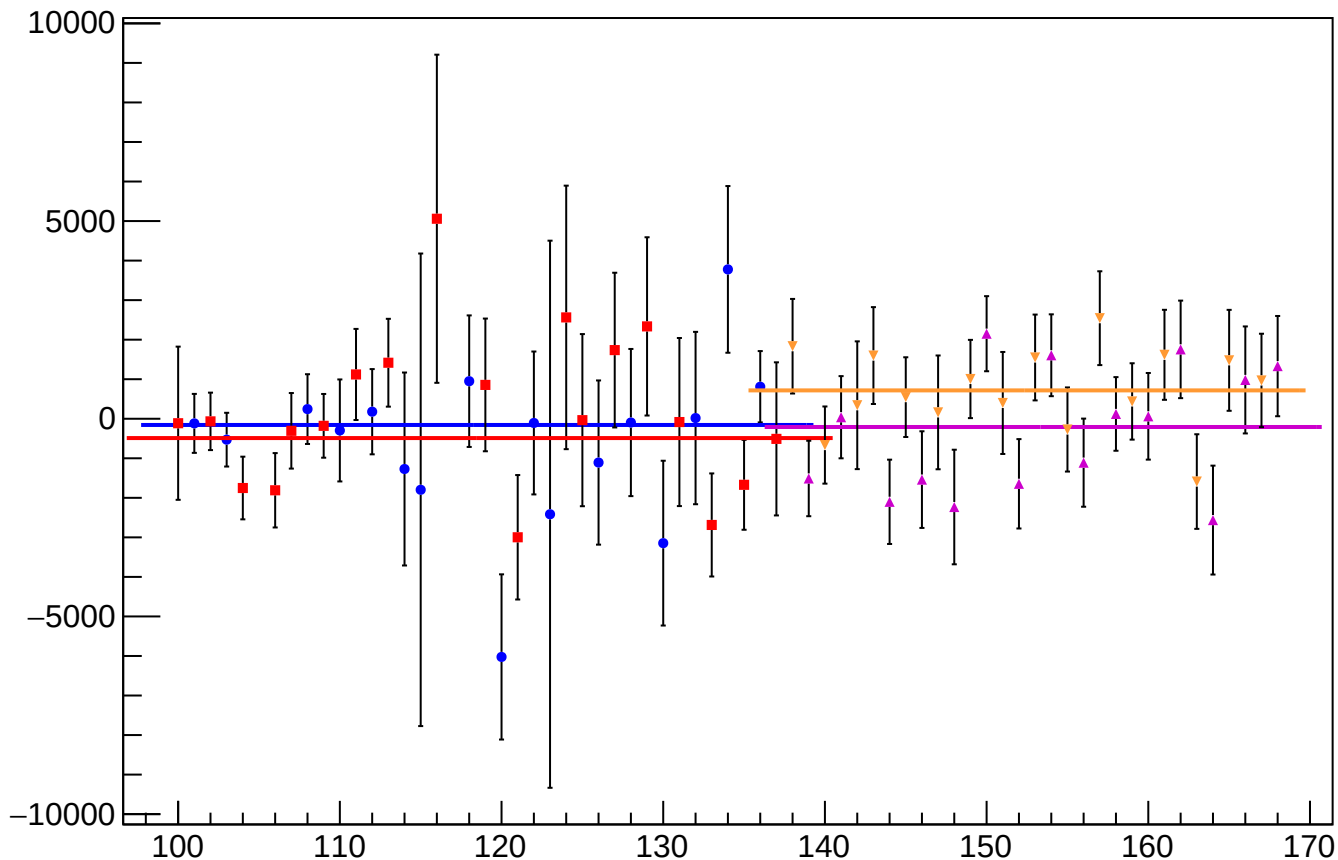
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 999.523+/-0.208 χ^2/NDF :256279.7/14

Out: 998.741+/-0.207 χ^2/NDF :221708.0/15

All: 999.130+/-0.146 χ^2/NDF : 477994.9/30

asym_sam5_mean vs Slug, Sign Corrected



Right In: -157.178 $\pm$ 312.499 χ^2 /NDF: 16.2/16

Left Out: 717.243 $\pm$ 286.259 χ^2 /NDF:12.4/15

Right Out: -488.583 $\pm$ 282.758 χ^2 /NDF: 22.6/18

Left In: -208.349 $\pm$ 288.454 χ^2 /NDF:27.6/14

Left: 257.982 $\pm$ 203.187 χ^2 /NDF: 45.2/30

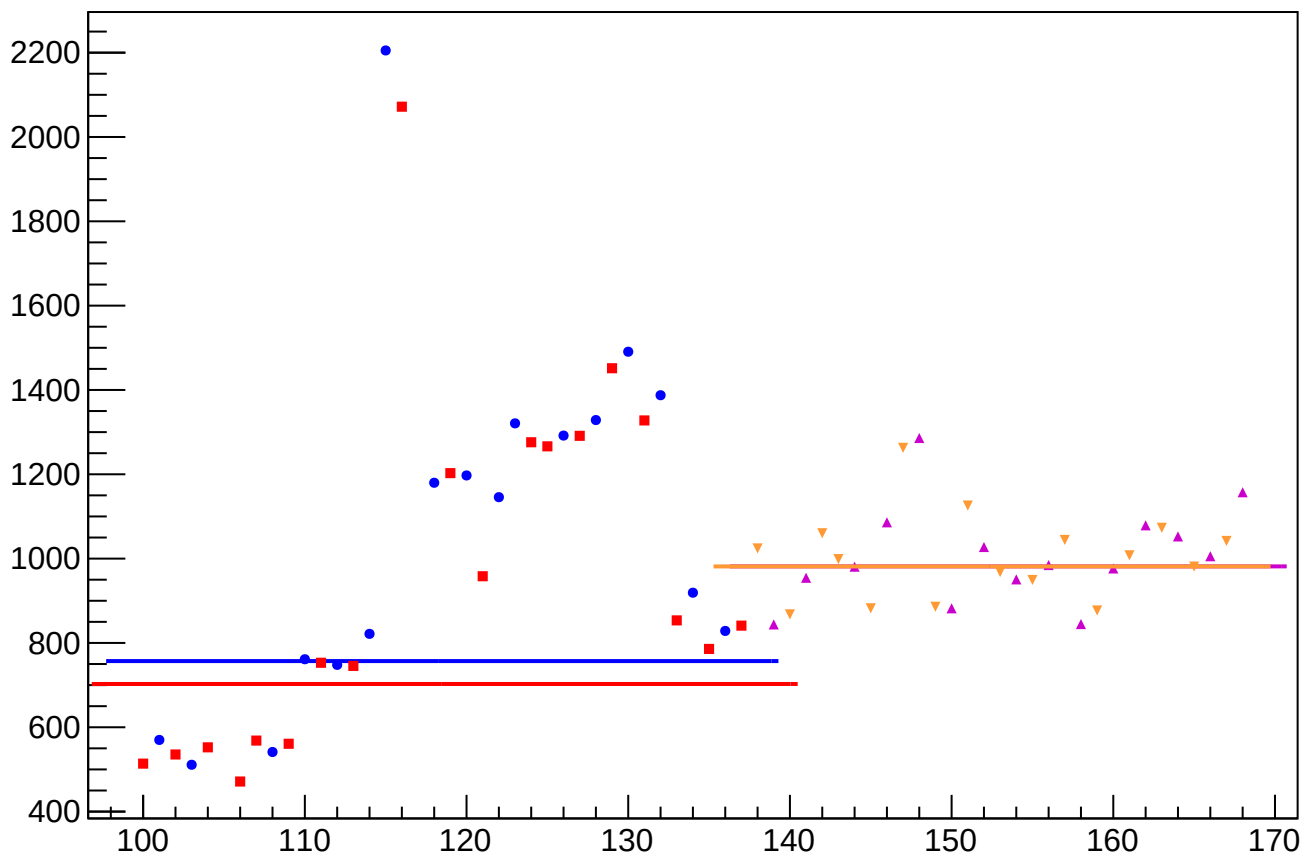
Right: -339.397 $\pm$ 209.669 χ^2 /NDF: 39.5/35

In: -184.808 $\pm$ 211.959 χ^2 /NDF:43.9/31

Out: 106.913 $\pm$ 201.166 χ^2 /NDF:44.0/34

All: -31.332 $\pm$ 145.913 χ^2 /NDF: 88.9/66

asym_sam5_rms vs Slug, Sign Corrected



Right In: 756.985 $\pm$ 0.221 χ^2 /NDF: 1711285.9/16

Left Out: 981.459 $\pm$ 0.202 χ^2 /NDF:223578.5/15

Right Out: 702.656 $\pm$ 0.200 χ^2 /NDF: 1689579.7/18

Left In: 981.563 $\pm$ 0.204 χ^2 /NDF:273037.5/14

Left: 981.511 $\pm$ 0.144 χ^2 /NDF: 496616.1/30

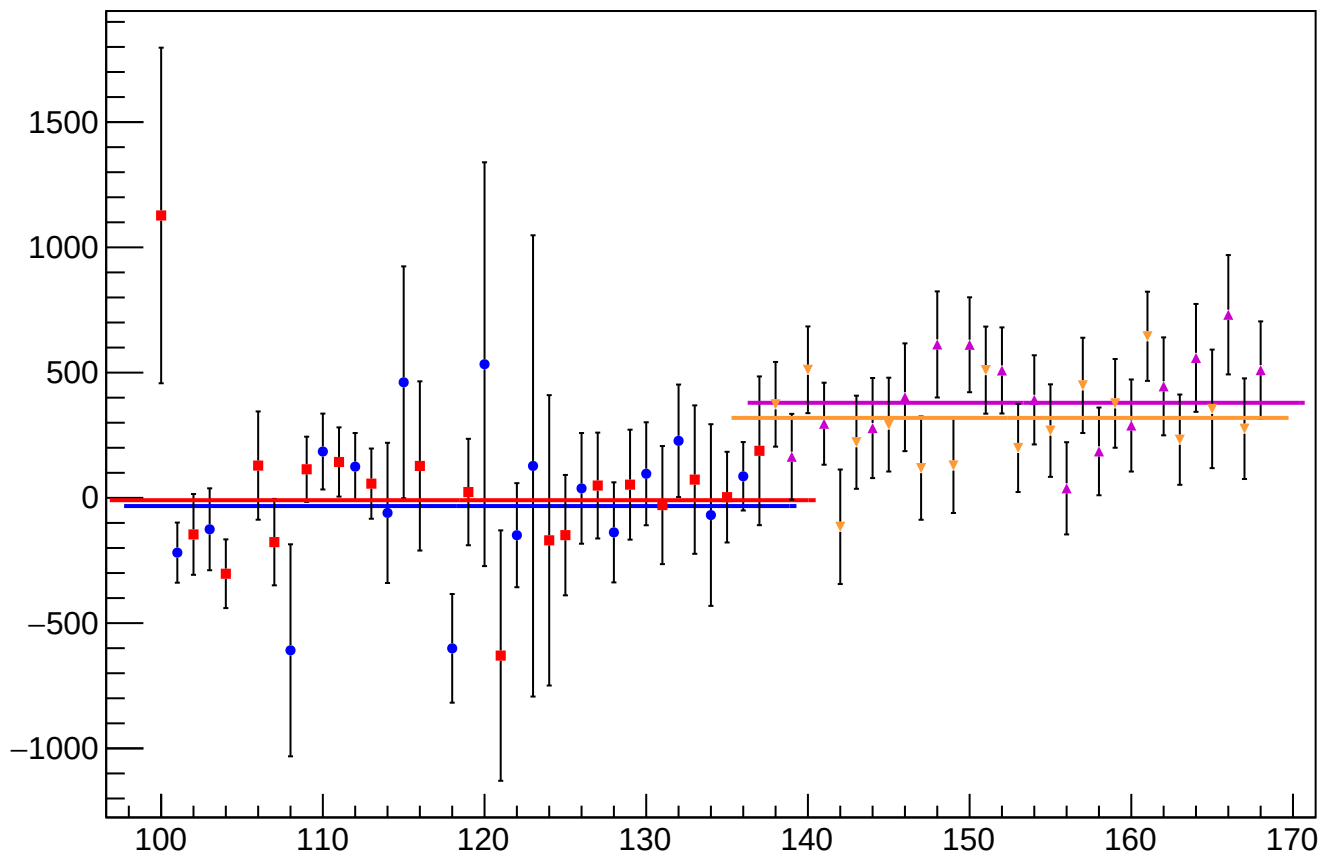
Right: 727.113 $\pm$ 0.148 χ^2 /NDF: 3434103.1/35

In: 878.246 $\pm$ 0.150 χ^2 /NDF:2542046.1/31

Out: 840.343 $\pm$ 0.142 χ^2 /NDF:2873419.5/34

All: 858.305 $\pm$ 0.103 χ^2 /NDF: 5449112.1/66

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -32.694 ± 48.431 χ^2/NDF : 19.7/16

Left Out: 319.219 ± 46.854 χ^2/NDF : 13.2/15

Right Out: -9.277 ± 45.600 χ^2/NDF : 14.7/18

Left In: 379.553 ± 48.958 χ^2/NDF : 13.7/14

Left: 348.062 ± 33.850 χ^2/NDF : 27.7/30

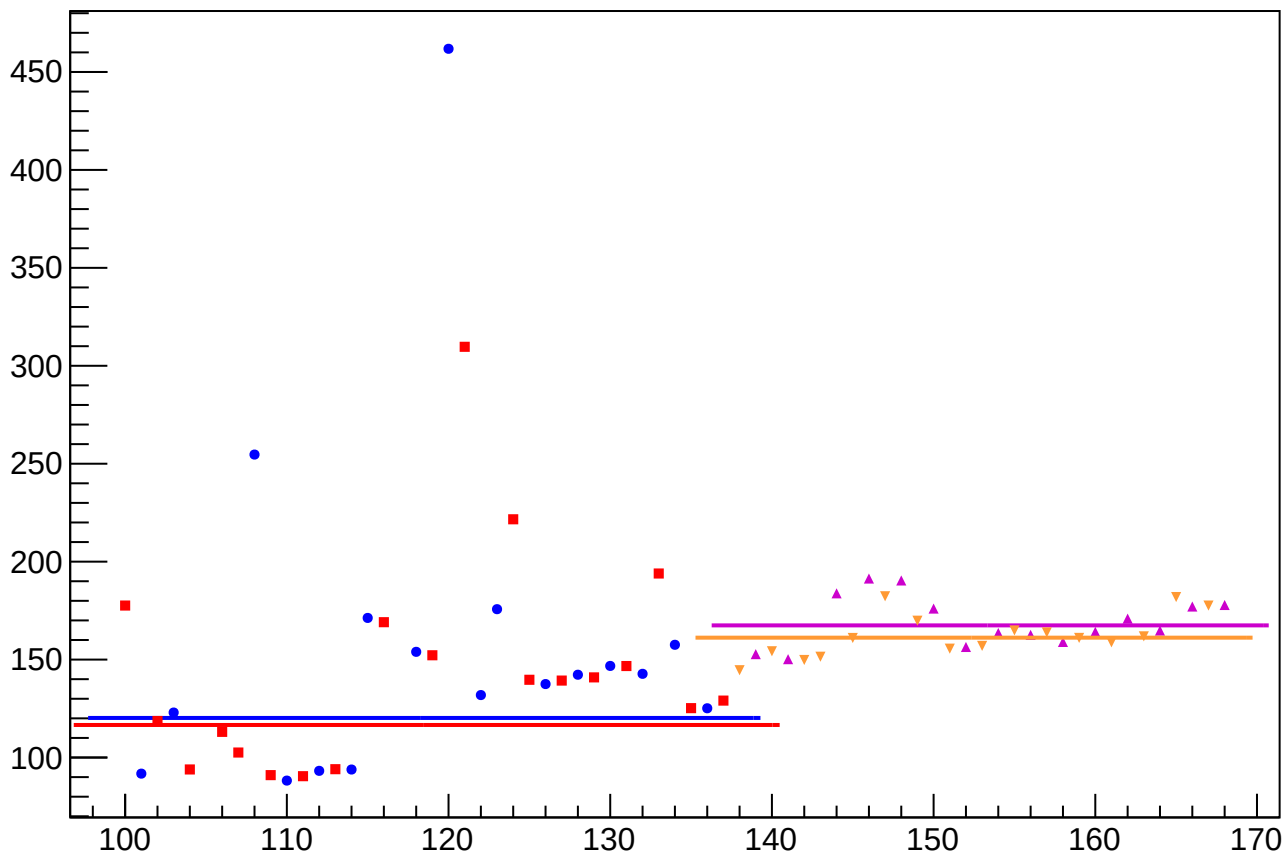
Right: -20.281 ± 33.200 χ^2/NDF : 34.6/35

In: 171.201 ± 34.431 χ^2/NDF : 69.3/31

Out: 150.516 ± 32.678 χ^2/NDF : 53.1/34

All: 160.319 ± 23.702 χ^2/NDF : 122.6/66

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.207 $\pm$ 0.034 χ^2 /NDF: 1062326.6/16

Left Out: 161.193 $\pm$ 0.033 χ^2 /NDF:91668.8/15

Right Out: 116.618 $\pm$ 0.032 χ^2 /NDF: 997956.6/18

Left In: 167.463 $\pm$ 0.035 χ^2 /NDF:128420.8/14

Left: 164.191 $\pm$ 0.024 χ^2 /NDF: 237213.0/30

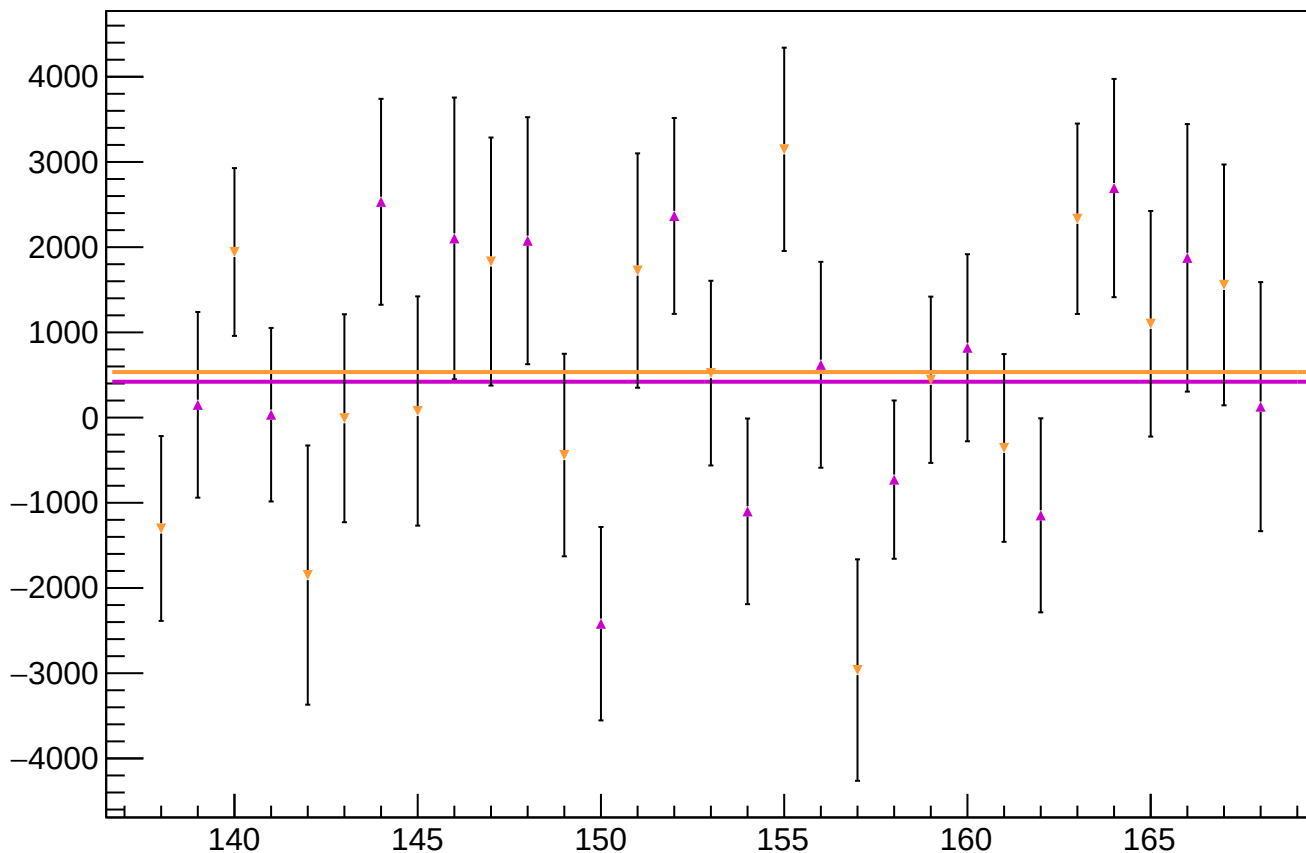
Right: 118.304 $\pm$ 0.023 χ^2 /NDF: 2066104.2/35

In: 143.580 $\pm$ 0.024 χ^2 /NDF:2132540.0/31

Out: 138.301 $\pm$ 0.023 χ^2 /NDF:2019276.7/34

All: 140.803 $\pm$ 0.017 χ^2 /NDF: 4176546.9/66

asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 534.505+/-299.615 χ^2/NDF :25.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 420.877+/-306.617 χ^2/NDF :24.3/14

Left: 479.003+/-214.293 χ^2/NDF : 50.3/30

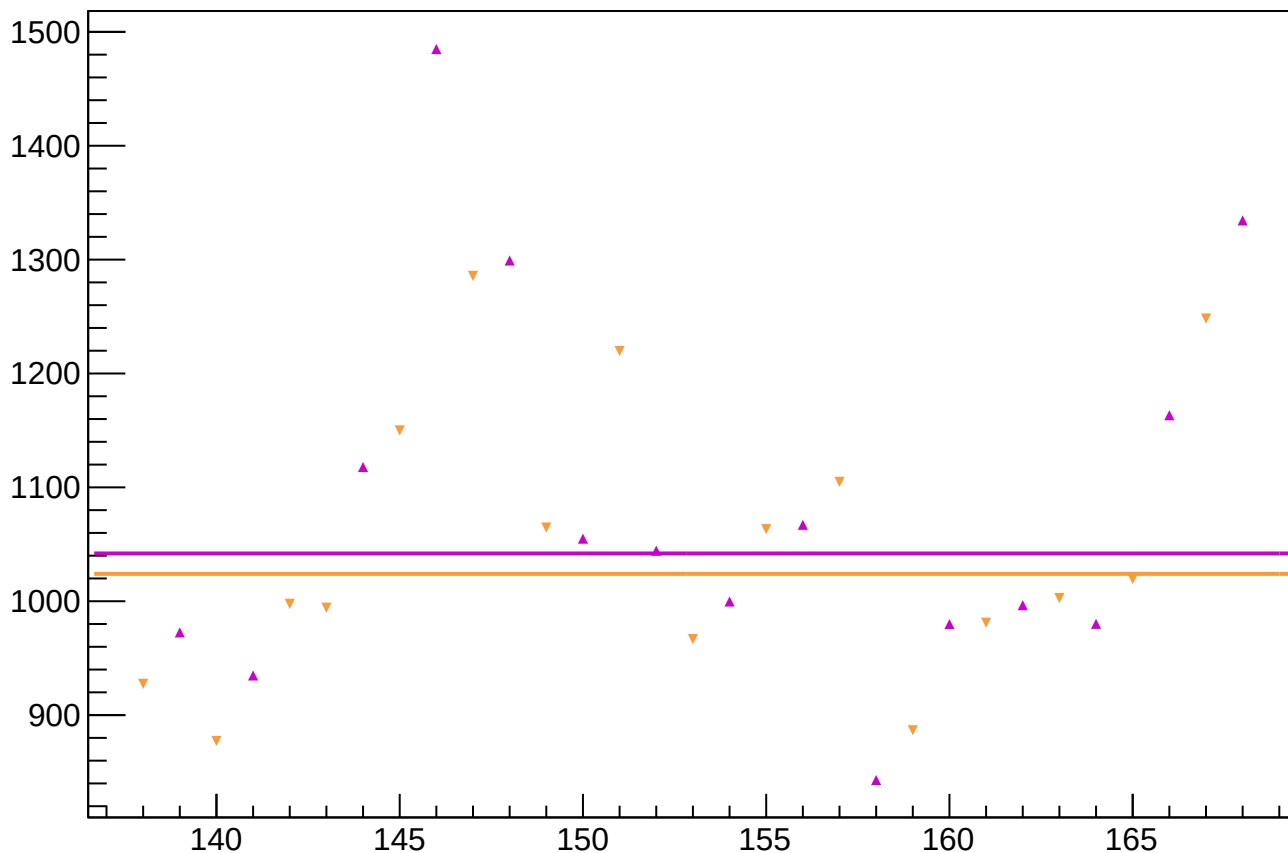
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 420.877+/-306.617 χ^2/NDF :24.3/14

Out: 534.505+/-299.615 χ^2/NDF :25.9/15

All: 479.003+/-214.293 χ^2/NDF : 50.3/30

asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1024.047+/-0.212 χ^2/NDF : 296357.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1041.952+/-0.217 χ^2/NDF : 446984.3/14

Left: 1032.793+/-0.152 χ^2/NDF : 746830.3/30

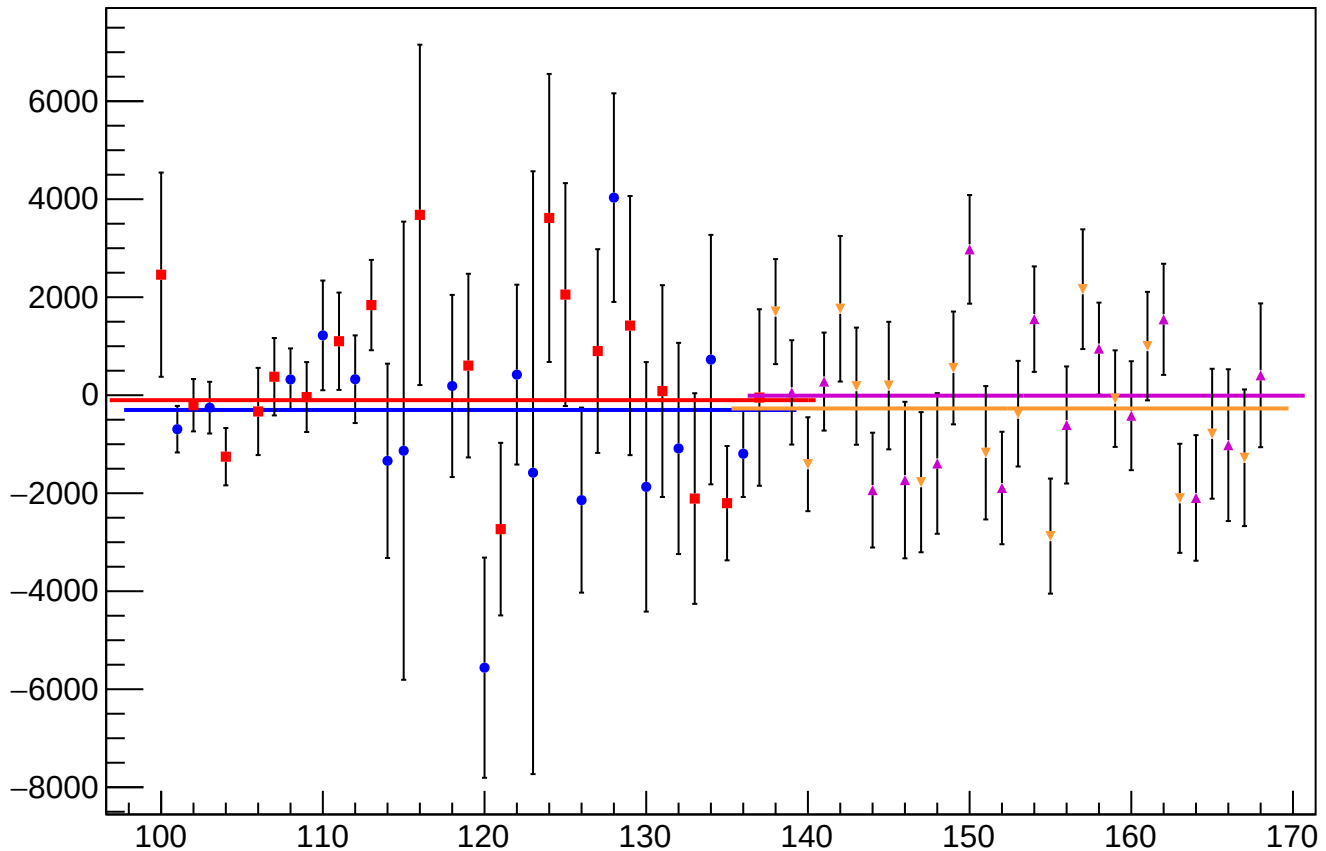
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1041.952+/-0.217 χ^2/NDF : 446984.3/14

Out: 1024.047+/-0.212 χ^2/NDF : 296357.2/15

All: 1032.793+/-0.152 χ^2/NDF : 746830.3/30

asym_sam6_mean vs Slug, Sign Corrected



Right In: -301.000 ± 250.042 $\chi^2/\text{NDF}: 16.8/16$

Left Out: -270.399 ± 295.165 $\chi^2/\text{NDF}: 22.7/15$

Right Out: -100.857 ± 245.981 $\chi^2/\text{NDF}: 22.5/18$

Left In: -9.454 ± 303.758 $\chi^2/\text{NDF}: 23.4/14$

Left: -143.670 ± 211.686 $\chi^2/\text{NDF}: 46.5/30$

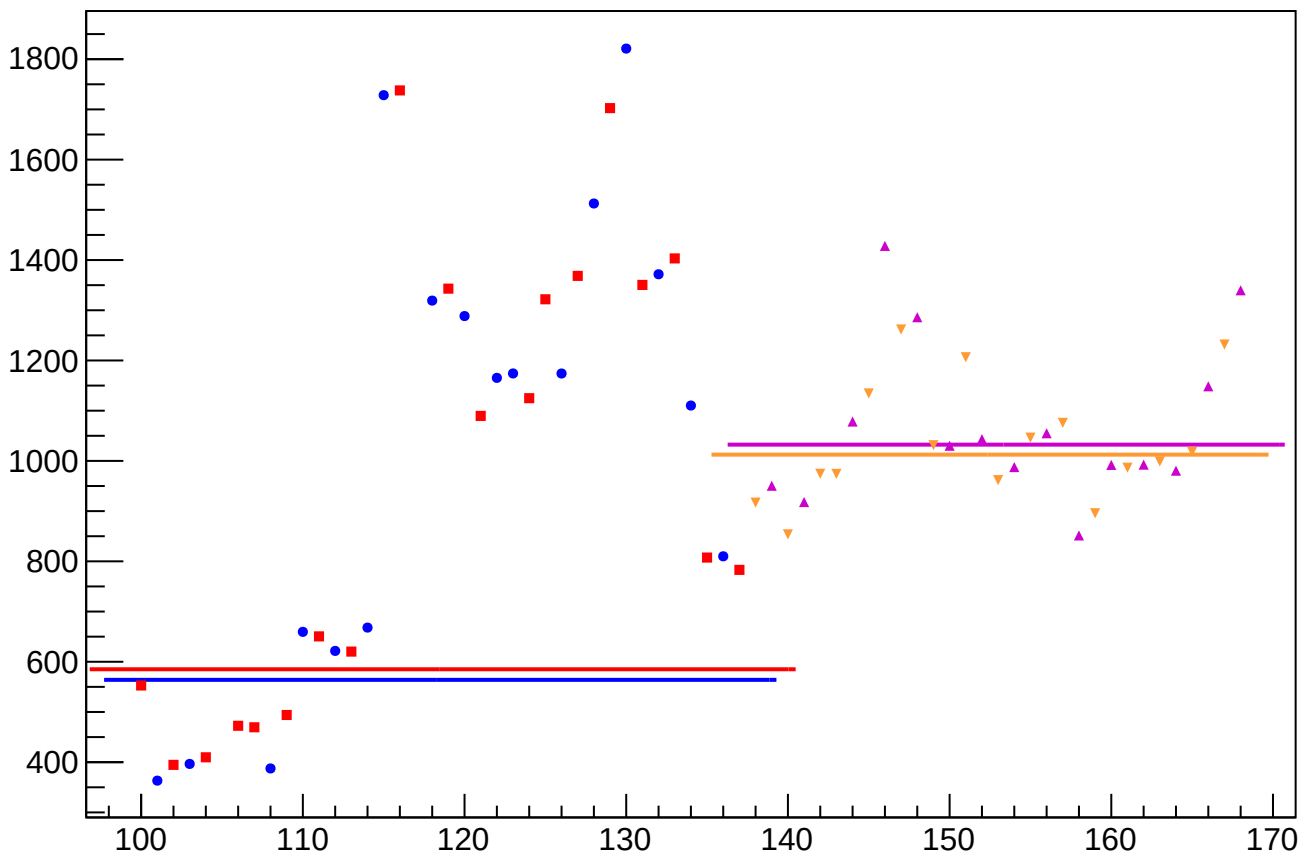
Right: -199.290 ± 175.353 $\chi^2/\text{NDF}: 39.7/35$

In: -183.242 ± 193.050 $\chi^2/\text{NDF}: 40.8/31$

Out: -170.345 ± 188.964 $\chi^2/\text{NDF}: 45.4/34$

All: -176.655 ± 135.039 $\chi^2/\text{NDF}: 86.2/66$

asym_sam6_rms vs Slug, Sign Corrected



Right In: 564.003 $\pm$ 0.177 χ^2 /NDF: 3261491.3/16

Left Out: 1012.442 $\pm$ 0.209 χ^2 /NDF:284032.5/15

Right Out: 585.070 $\pm$ 0.174 χ^2 /NDF: 2820837.8/18

Left In: 1032.385 $\pm$ 0.215 χ^2 /NDF:412409.3/14

Left: 1022.127 $\pm$ 0.150 χ^2 /NDF: 700876.2/30

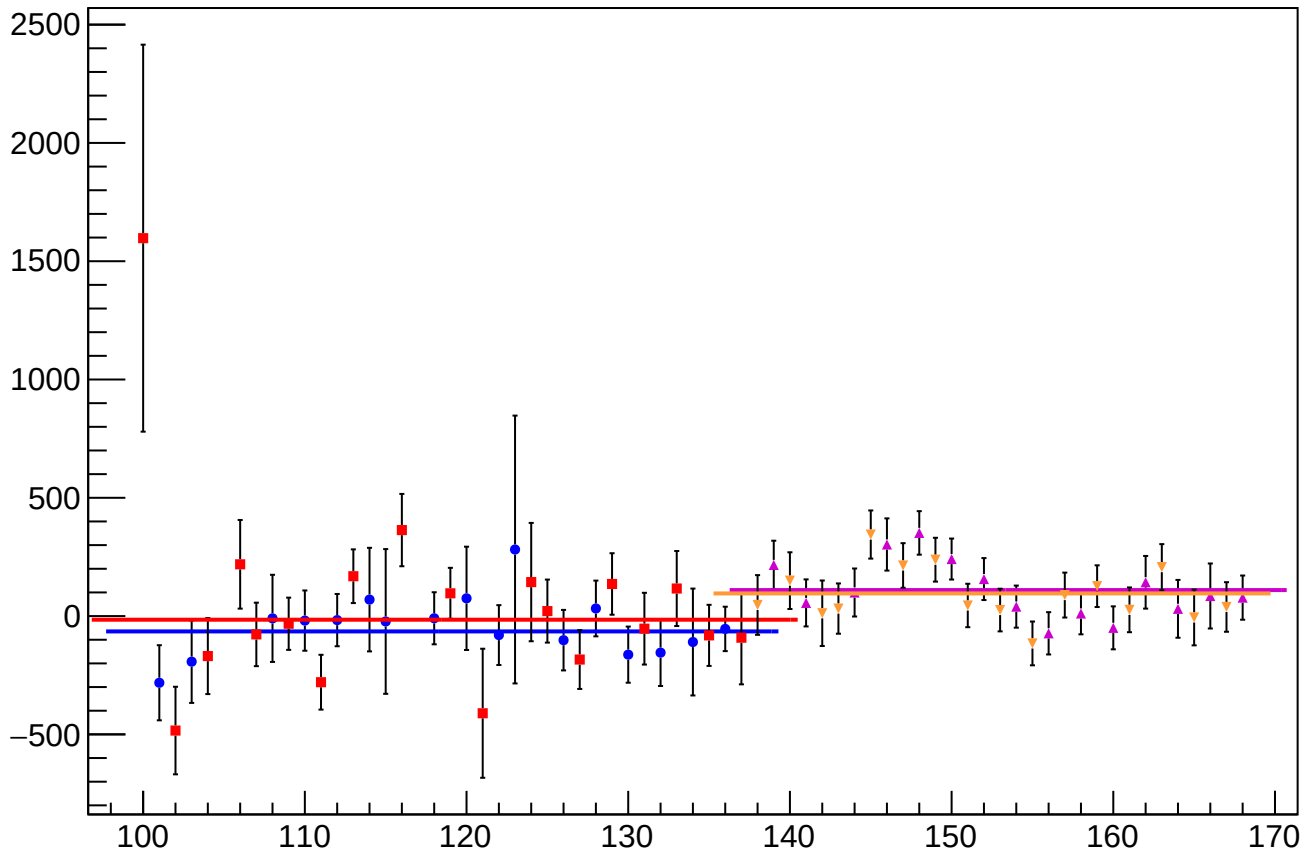
Right: 574.709 $\pm$ 0.124 χ^2 /NDF: 6089543.5/35

In: 753.188 $\pm$ 0.137 χ^2 /NDF:6508474.9/31

Out: 760.231 $\pm$ 0.134 χ^2 /NDF:5579281.5/34

All: 756.785 $\pm$ 0.095 χ^2 /NDF: 12089116.0/60

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -64.797 ± 34.629 χ^2/NDF : 6.2/16

Left Out: 95.740 ± 25.181 χ^2/NDF : 20.1/15

Right Out: -15.294 ± 33.422 χ^2/NDF : 35.0/18

Left In: 109.943 ± 25.225 χ^2/NDF : 23.7/14

Left: 102.829 ± 17.821 χ^2/NDF : 44.0/30

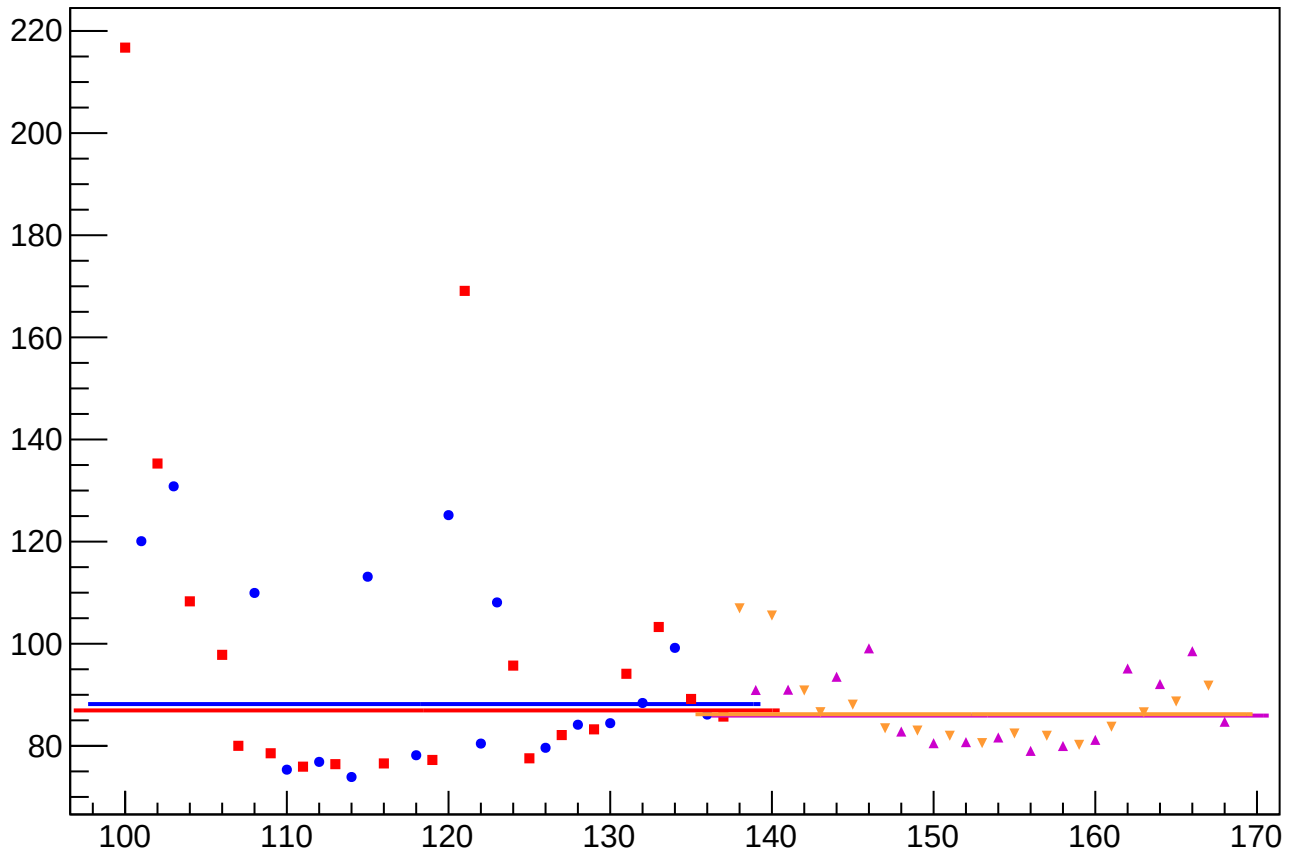
Right: -39.167 ± 24.048 χ^2/NDF : 42.2/35

In: 49.367 ± 20.389 χ^2/NDF : 46.5/31

Out: 55.534 ± 20.112 χ^2/NDF : 62.2/34

All: 52.493 ± 14.318 χ^2/NDF : 108.7/66

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 88.186 $\pm$ 0.024 χ^2 /NDF: 394447.7/16

Left Out: 86.199 $\pm$ 0.018 χ^2 /NDF:149658.0/15

Right Out: 86.943 $\pm$ 0.024 χ^2 /NDF: 531359.9/18

Left In: 85.931 $\pm$ 0.018 χ^2 /NDF:133931.5/14

Left: 86.065 $\pm$ 0.013 χ^2 /NDF: 283702.4/30

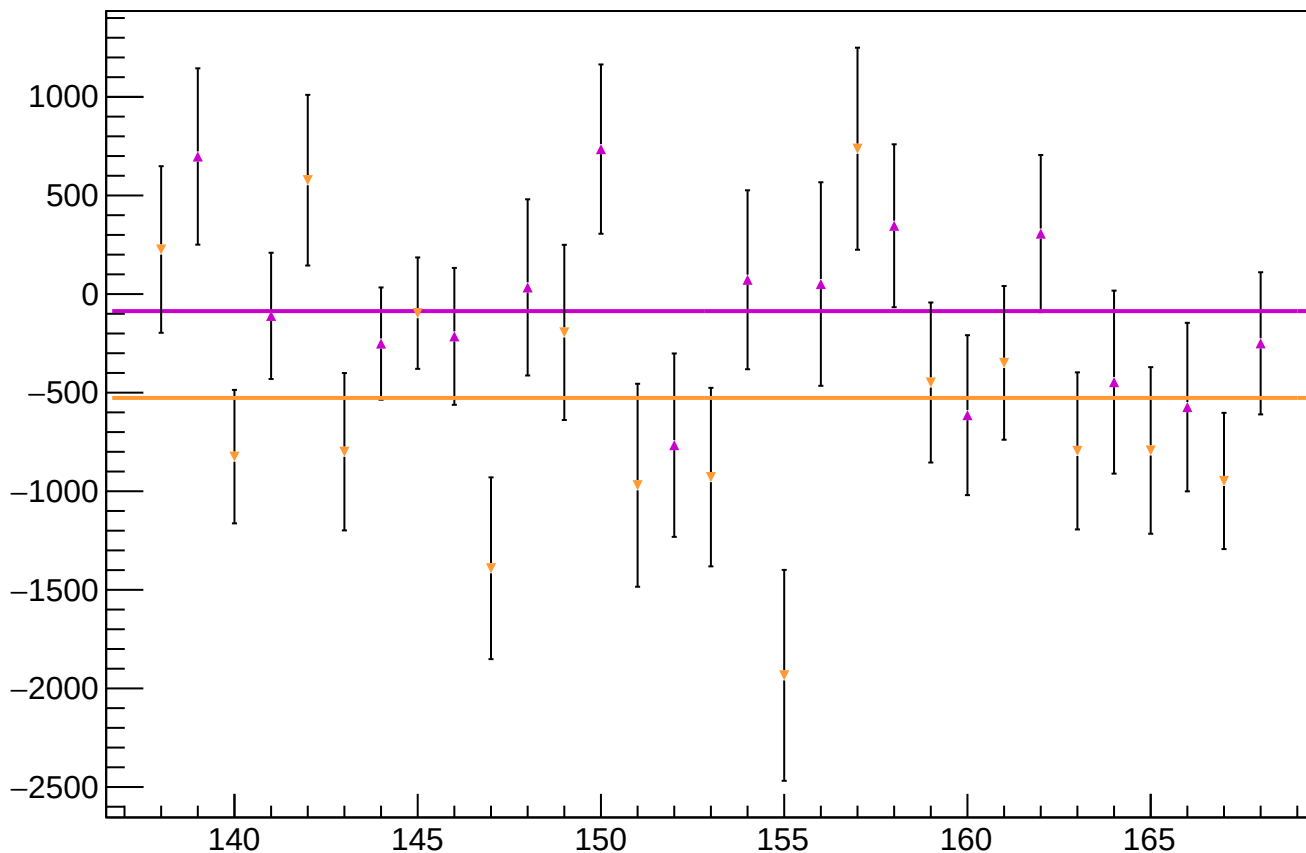
Right: 87.542 $\pm$ 0.017 χ^2 /NDF: 927142.1/35

In: 86.713 $\pm$ 0.014 χ^2 /NDF:533919.2/31

Out: 86.468 $\pm$ 0.014 χ^2 /NDF:681649.9/34

All: 86.589 $\pm$ 0.010 χ^2 /NDF: 1215715.0/66

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -526.689+/-101.455 χ^2/NDF :34.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -86.354+/-102.529 χ^2/NDF :15.5/14

Left: -308.840+/-72.116 χ^2/NDF : 59.2/30

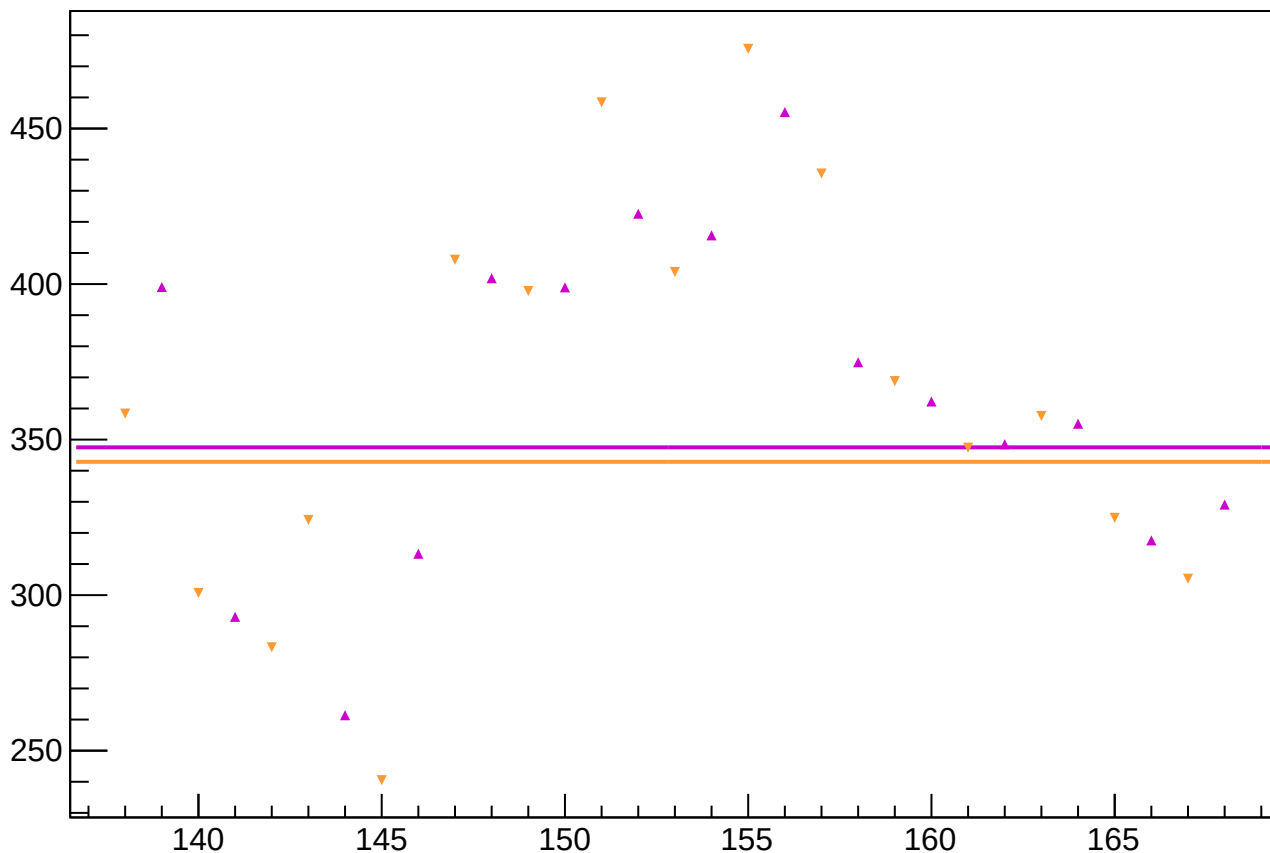
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -86.354+/-102.529 χ^2/NDF :15.5/14

Out: -526.689+/-101.455 χ^2/NDF :34.4/15

All: -308.840+/-72.116 χ^2/NDF : 59.2/30

asym_sam7_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 342.858+/-0.072 χ^2/NDF : 773142.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 347.510+/-0.072 χ^2/NDF : 556800.5/14

Left: 345.160+/-0.051 χ^2/NDF : 1332023.3/30

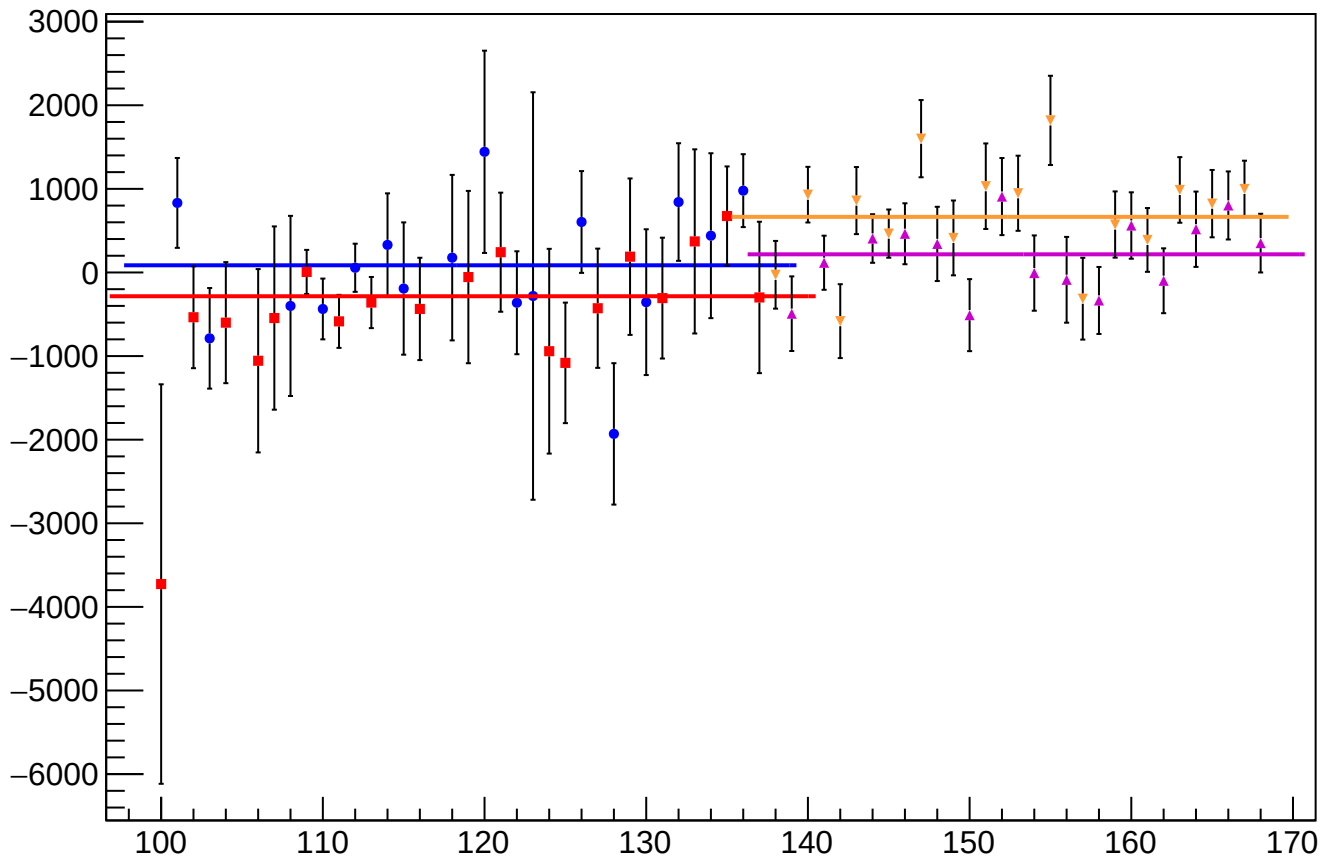
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 347.510+/-0.072 χ^2/NDF : 556800.5/14

Out: 342.858+/-0.072 χ^2/NDF : 773142.4/15

All: 345.160+/-0.051 χ^2/NDF : 1332023.3/30

asym_sam7_mean vs Slug, Sign Corrected



Right In: 85.810 $\pm$ 142.601 χ^2/NDF : 20.6/16

Left Out: 664.960 $\pm$ 100.348 χ^2/NDF : 28.6/15

Right Out: -284.456 $\pm$ 129.599 χ^2/NDF : 10.6/18

Left In: 217.076 $\pm$ 102.004 χ^2/NDF : 15.2/14

Left: 444.683 $\pm$ 71.535 χ^2/NDF : 53.7/30

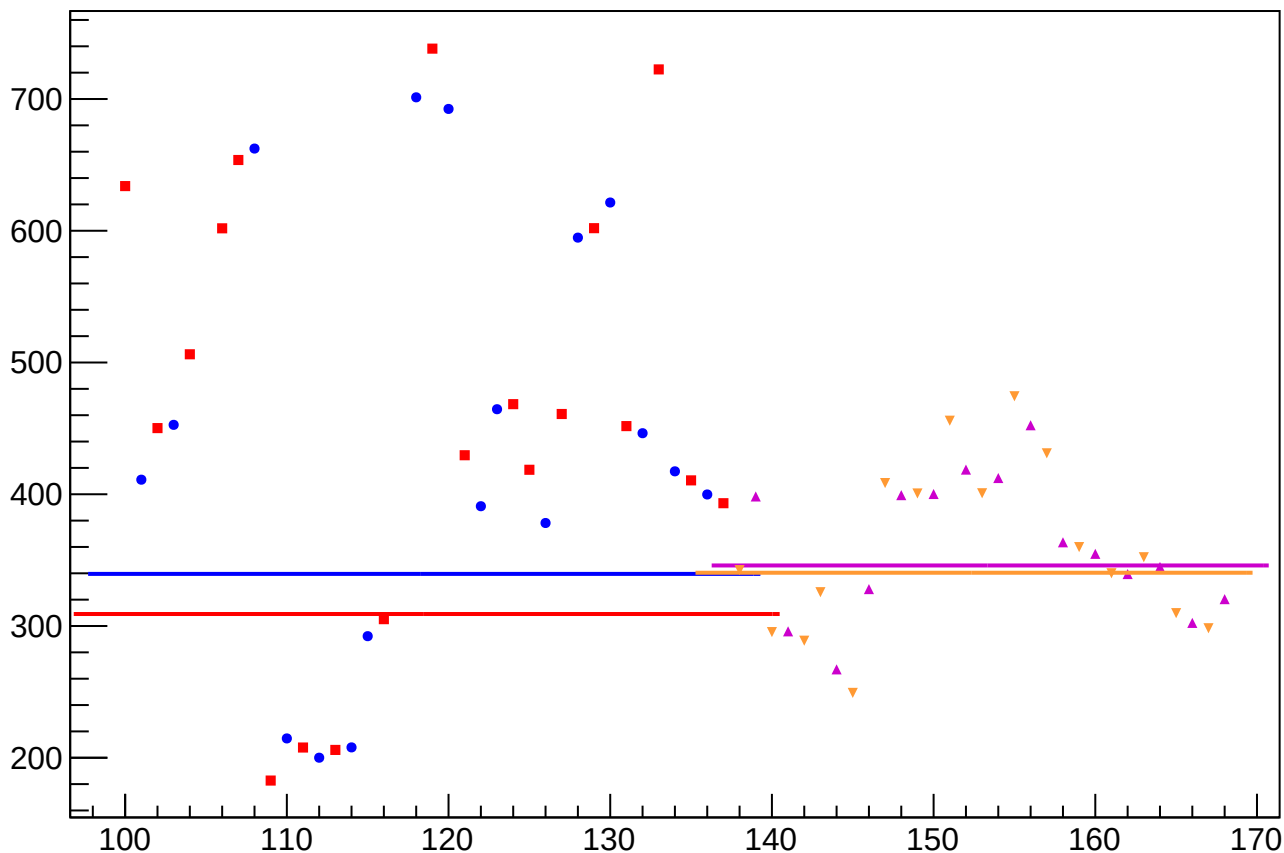
Right: -116.969 $\pm$ 95.908 χ^2/NDF : 34.9/35

In: 172.645 $\pm$ 82.964 χ^2/NDF : 36.4/31

Out: 309.104 $\pm$ 79.343 χ^2/NDF : 72.8/34

All: 243.917 $\pm$ 57.341 χ^2/NDF : 110.6/66

asym_sam7_rms vs Slug, Sign Corrected



Right In: 339.553 $\pm$ 0.101 χ^2 /NDF: 2042244.1/16

Left Out: 340.429 $\pm$ 0.071 χ^2 /NDF: 728204.3/15

Right Out: 309.105 $\pm$ 0.092 χ^2 /NDF: 2730308.7/18

Left In: 345.954 $\pm$ 0.072 χ^2 /NDF: 506247.5/14

Left: 343.146 $\pm$ 0.051 χ^2 /NDF: 1237433.4/30

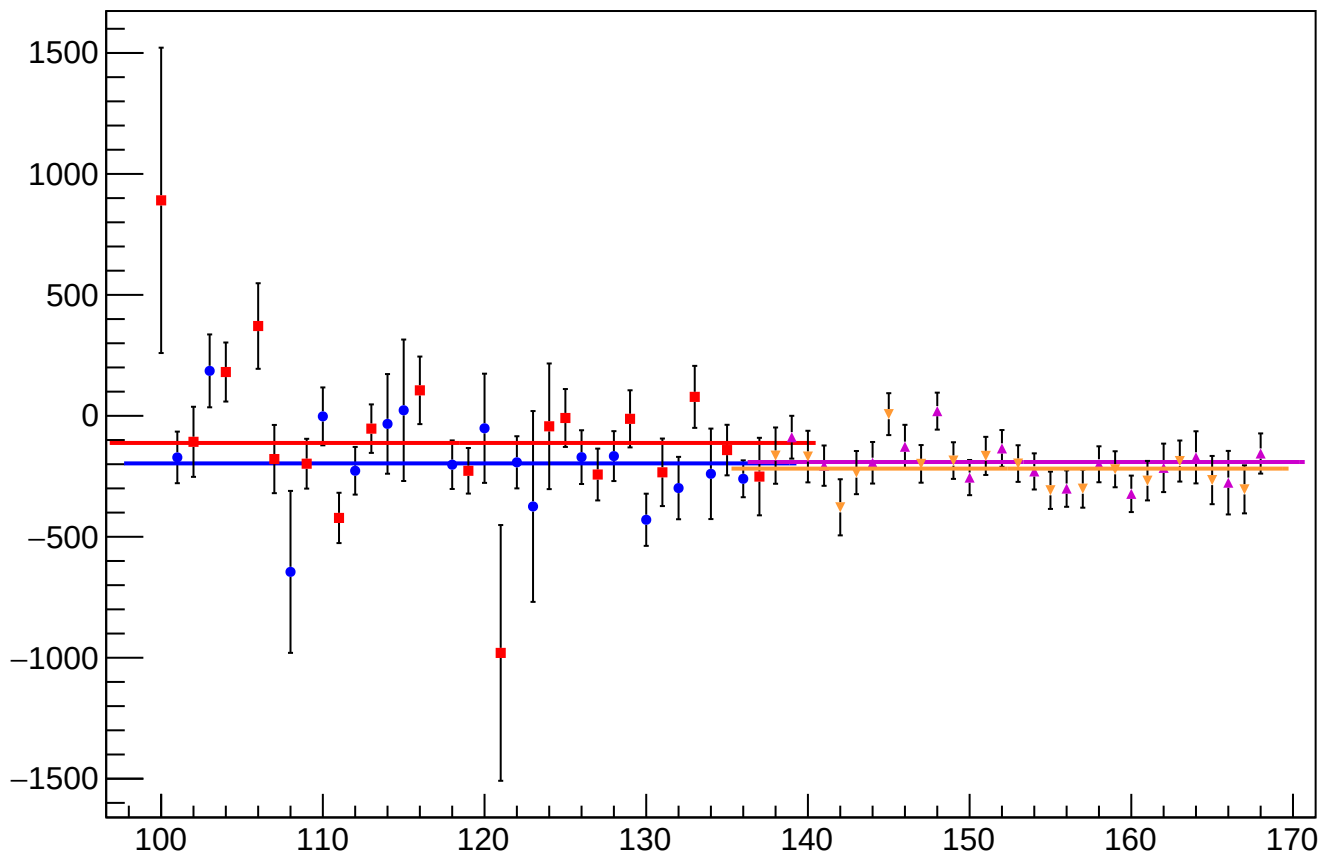
Right: 322.878 $\pm$ 0.068 χ^2 /NDF: 4822487.1/35

In: 343.787 $\pm$ 0.059 χ^2 /NDF: 2551157.5/31

Out: 328.688 $\pm$ 0.056 χ^2 /NDF: 3531557.3/34

All: 335.901 $\pm$ 0.041 χ^2 /NDF: 6117313.1/66

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -196.599 ± 30.399 χ^2/NDF : 19.0/16

Left Out: -218.167 ± 21.460 χ^2/NDF : 13.8/15

Right Out: -112.097 ± 29.622 χ^2/NDF : 39.3/18

Left In: -190.880 ± 21.497 χ^2/NDF : 16.9/14

Left: -204.547 ± 15.188 χ^2/NDF : 31.6/30

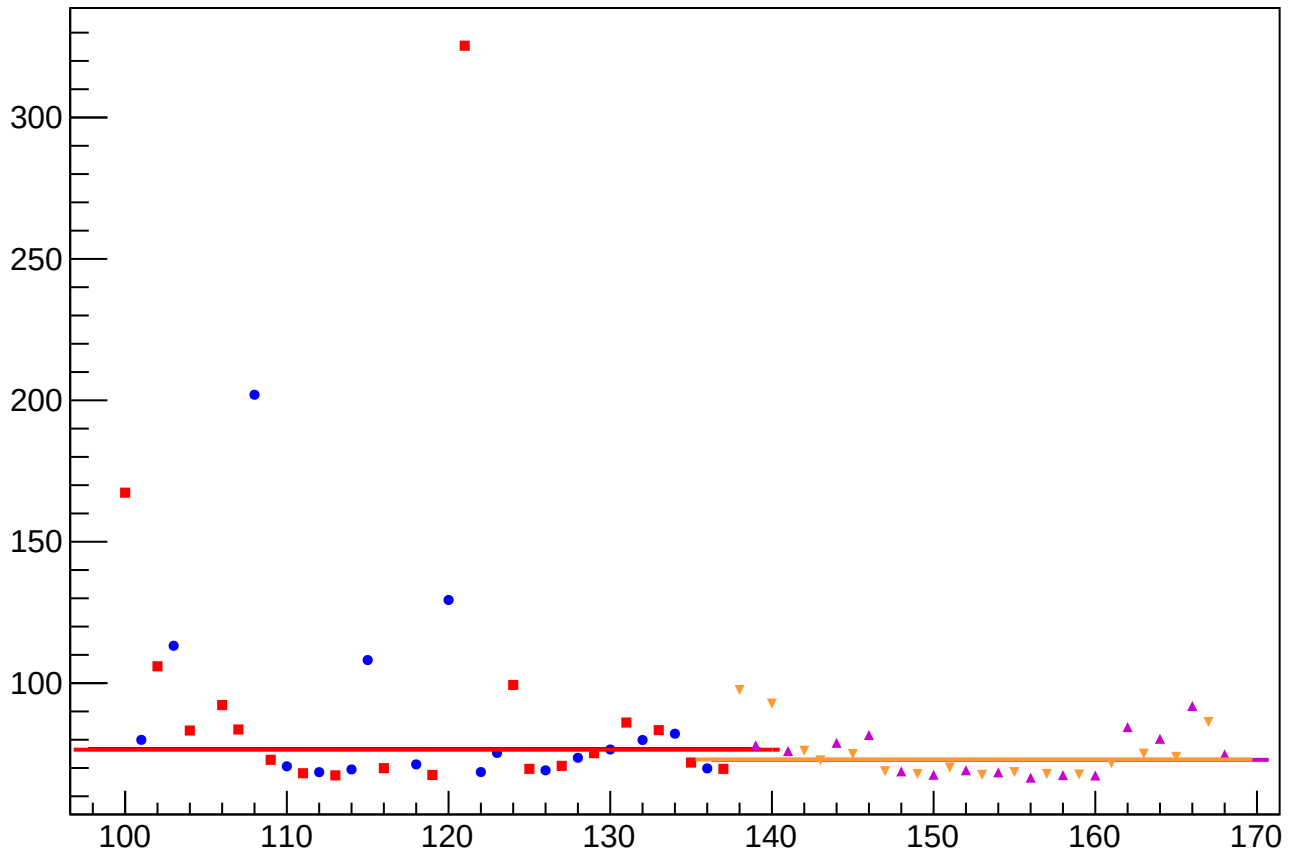
Right: -153.254 ± 21.215 χ^2/NDF : 62.3/35

In: -192.787 ± 17.552 χ^2/NDF : 36.0/31

Out: -181.658 ± 17.379 χ^2/NDF : 61.6/34

All: -187.167 ± 12.349 χ^2/NDF : 97.8/66

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 76.692 $\pm$ 0.021 χ^2 /NDF: 600348.1/16

Left Out: 73.012 $\pm$ 0.015 χ^2 /NDF:250848.0/15

Right Out: 76.479 $\pm$ 0.021 χ^2 /NDF: 699361.8/18

Left In: 72.885 $\pm$ 0.015 χ^2 /NDF:180748.4/14

Left: 72.949 $\pm$ 0.011 χ^2 /NDF: 431631.3/30

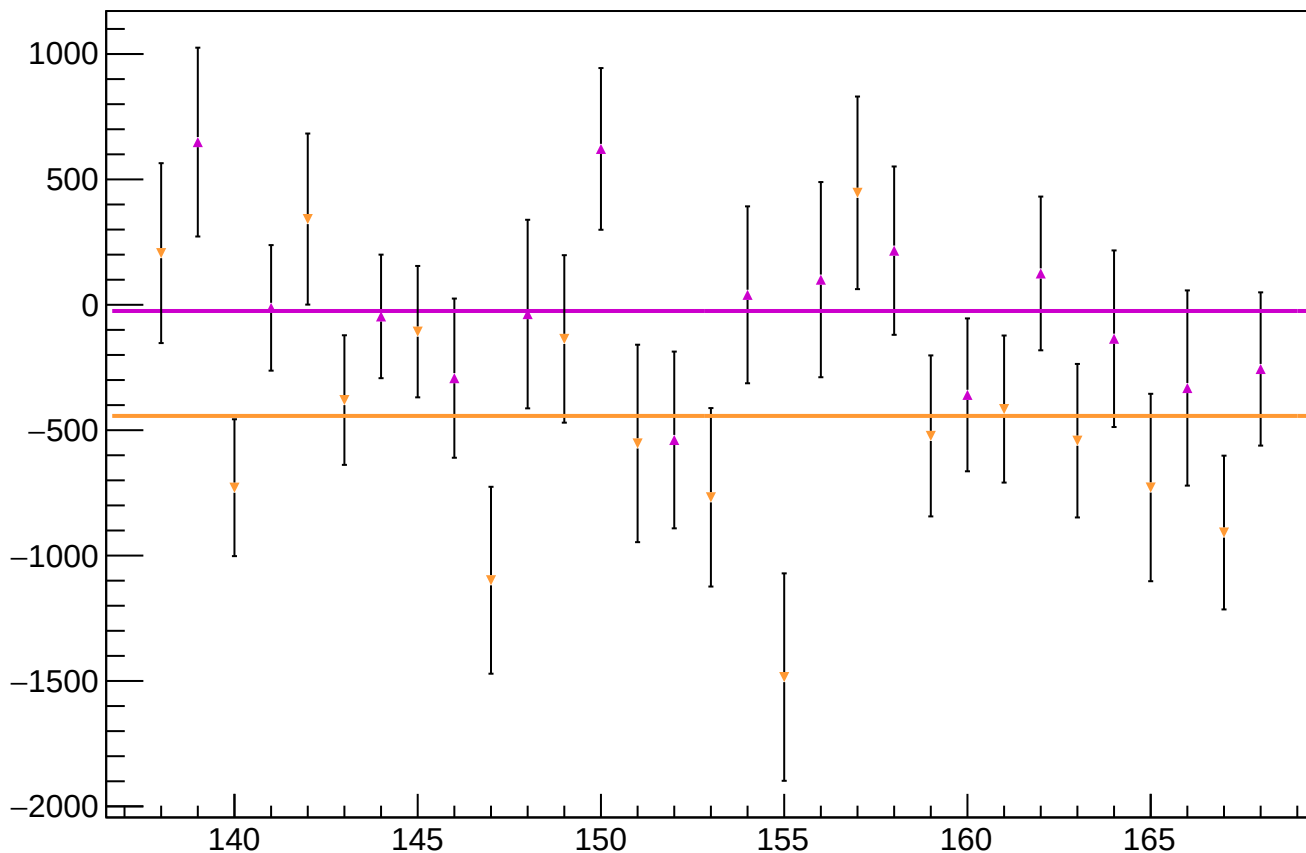
Right: 76.583 $\pm$ 0.015 χ^2 /NDF: 1299760.4/35

In: 74.154 $\pm$ 0.012 χ^2 /NDF:802004.2/31

Out: 74.205 $\pm$ 0.012 χ^2 /NDF:968173.5/34

All: 74.180 $\pm$ 0.009 χ^2 /NDF: 1770186.2/66

asym_sam8_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -443.106+/-81.032 χ^2/NDF :31.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -24.667+/-83.199 χ^2/NDF :13.5/14

Left: -239.408+/-58.049 χ^2/NDF : 57.4/30

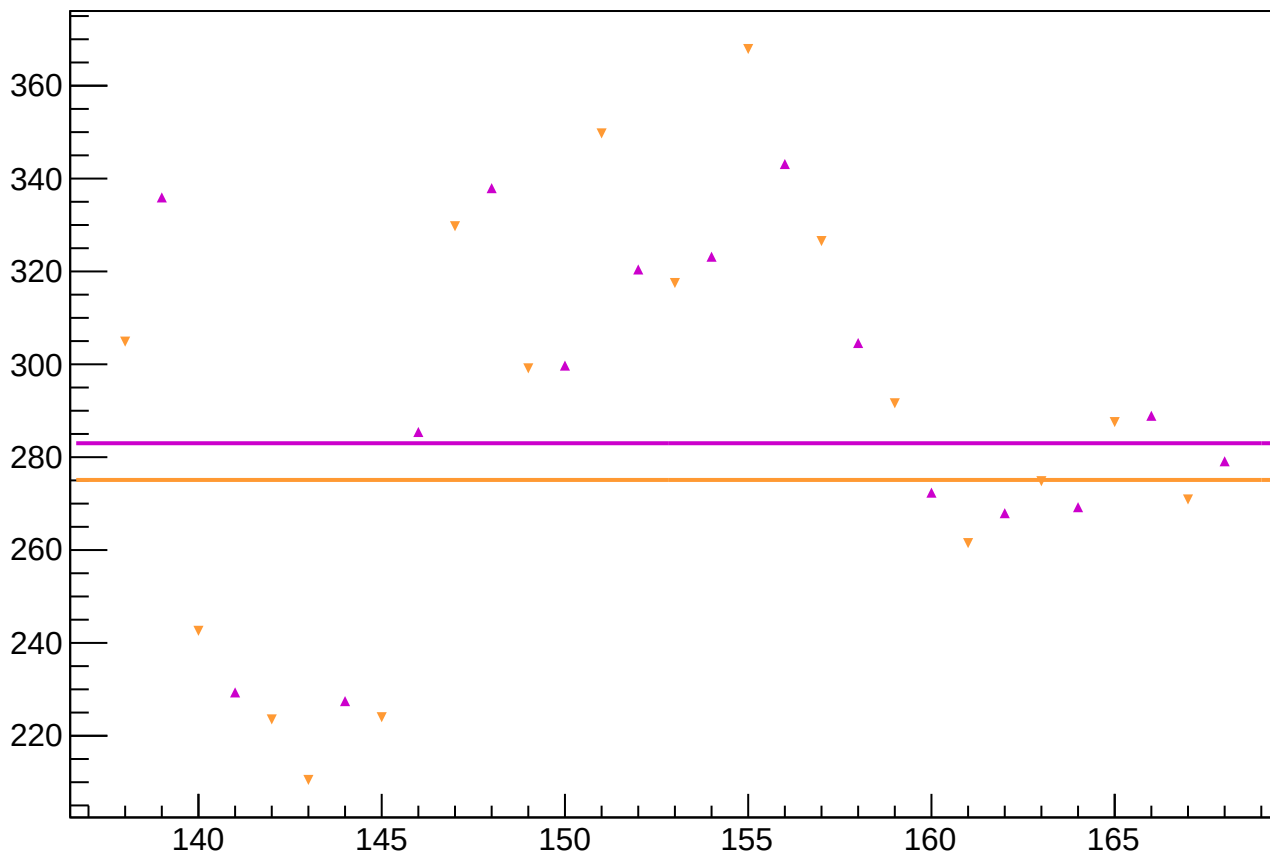
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.667+/-83.199 χ^2/NDF :13.5/14

Out: -443.106+/-81.032 χ^2/NDF :31.0/15

All: -239.408+/-58.049 χ^2/NDF : 57.4/30

asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 275.097+/-0.057 χ^2/NDF :591396.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 283.003+/-0.059 χ^2/NDF :396922.7/14

Left: 278.946+/-0.041 χ^2/NDF : 997585.5/30

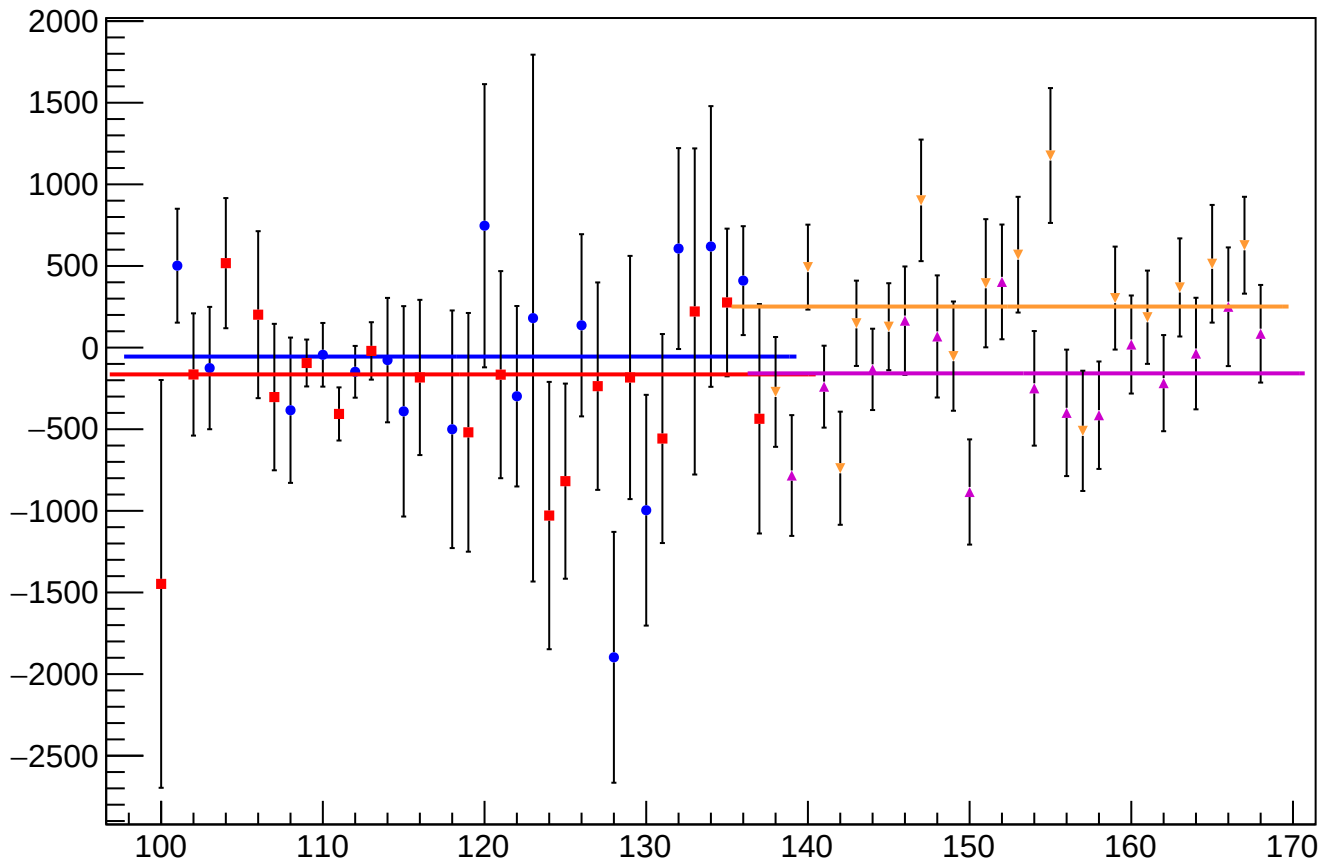
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 283.003+/-0.059 χ^2/NDF :396922.7/14

Out: 275.097+/-0.057 χ^2/NDF :591396.6/15

All: 278.946+/-0.041 χ^2/NDF : 997585.5/30

asym_sam8_mean vs Slug, Sign Corrected



Left: 53.370 ± 57.341 $\chi^2/\text{NDF}: 56.4/30$

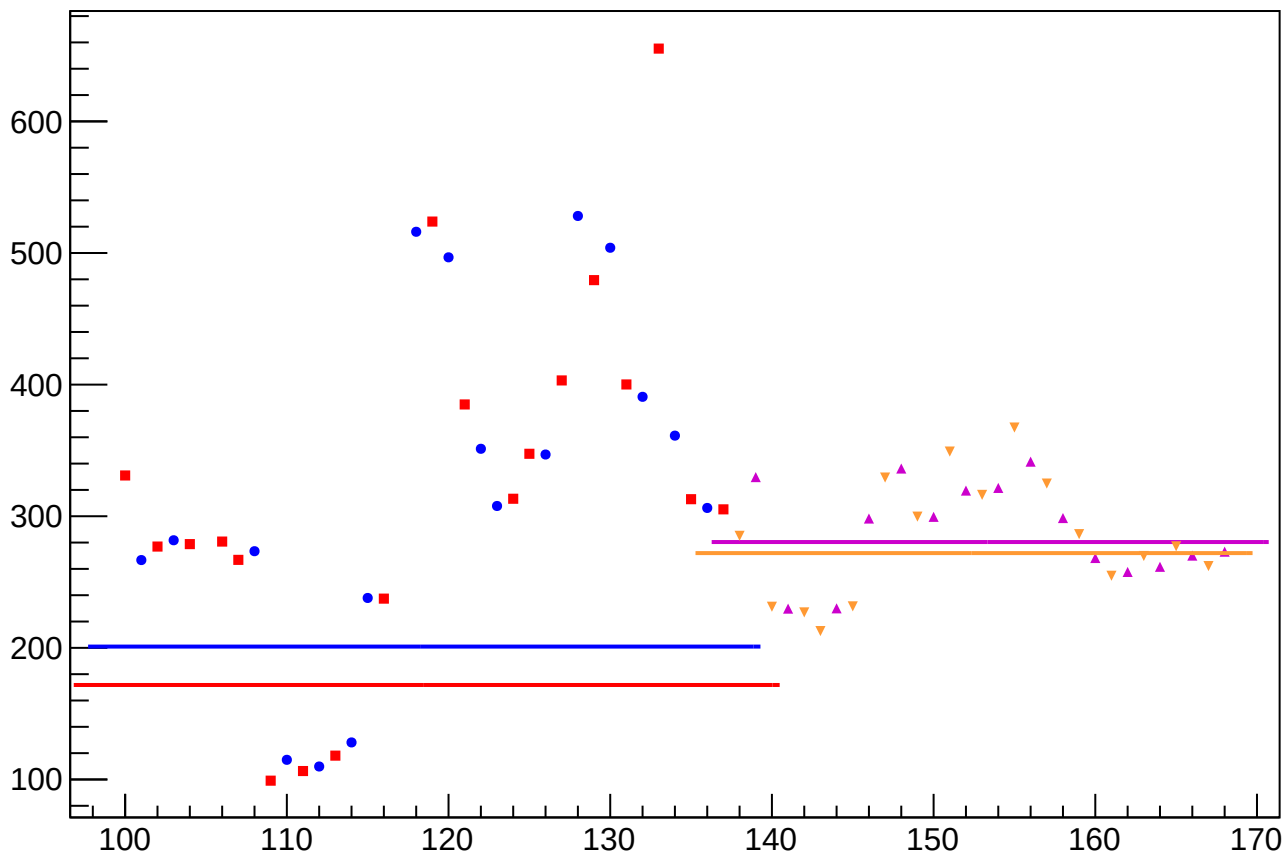
Right: -118.264 ± 58.563 $\chi^2/\text{NDF}: 29.3/35$

In: -111.099 ± 60.894 $\chi^2/\text{NDF}: 32.7/31$

Out: 35.917 ± 55.382 $\chi^2/\text{NDF}: 54.2/34$

All: -30.638 ± 40.972 $\chi^2/\text{NDF}: 90.1/66$

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.971 $\pm$ 0.064 χ^2/NDF : 3436154.0/16

Left Out: 271.997 $\pm$ 0.056 χ^2/NDF : 566512.5/15

Right Out: 171.794 $\pm$ 0.054 χ^2/NDF : 4092634.7/18

Left In: 280.399 $\pm$ 0.058 χ^2/NDF : 388132.3/14

Left: 276.063 $\pm$ 0.041 χ^2/NDF : 965368.9/30

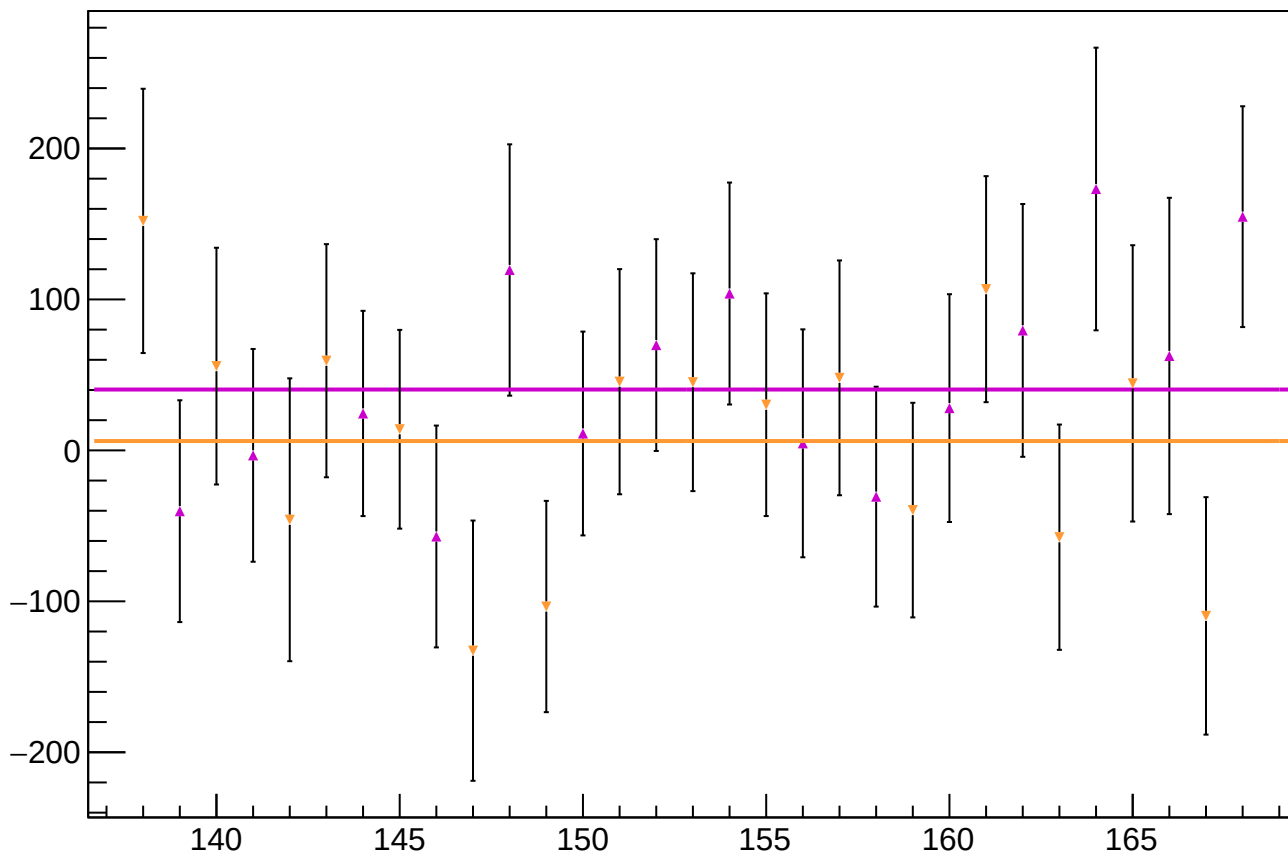
Right: 184.051 $\pm$ 0.041 χ^2/NDF : 7649725.9/35

In: 244.323 $\pm$ 0.043 χ^2/NDF : 4667826.0/31

Out: 220.029 $\pm$ 0.039 χ^2/NDF : 6293637.2/34

All: 231.027 $\pm$ 0.029 χ^2/NDF : 11135684.2/60

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 6.188 $\pm$ 19.238 χ^2 /NDF:15.3/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 40.309 $\pm$ 19.558 χ^2 /NDF:11.3/14

Left: 22.967 $\pm$ 13.715 χ^2 /NDF: 28.2/30

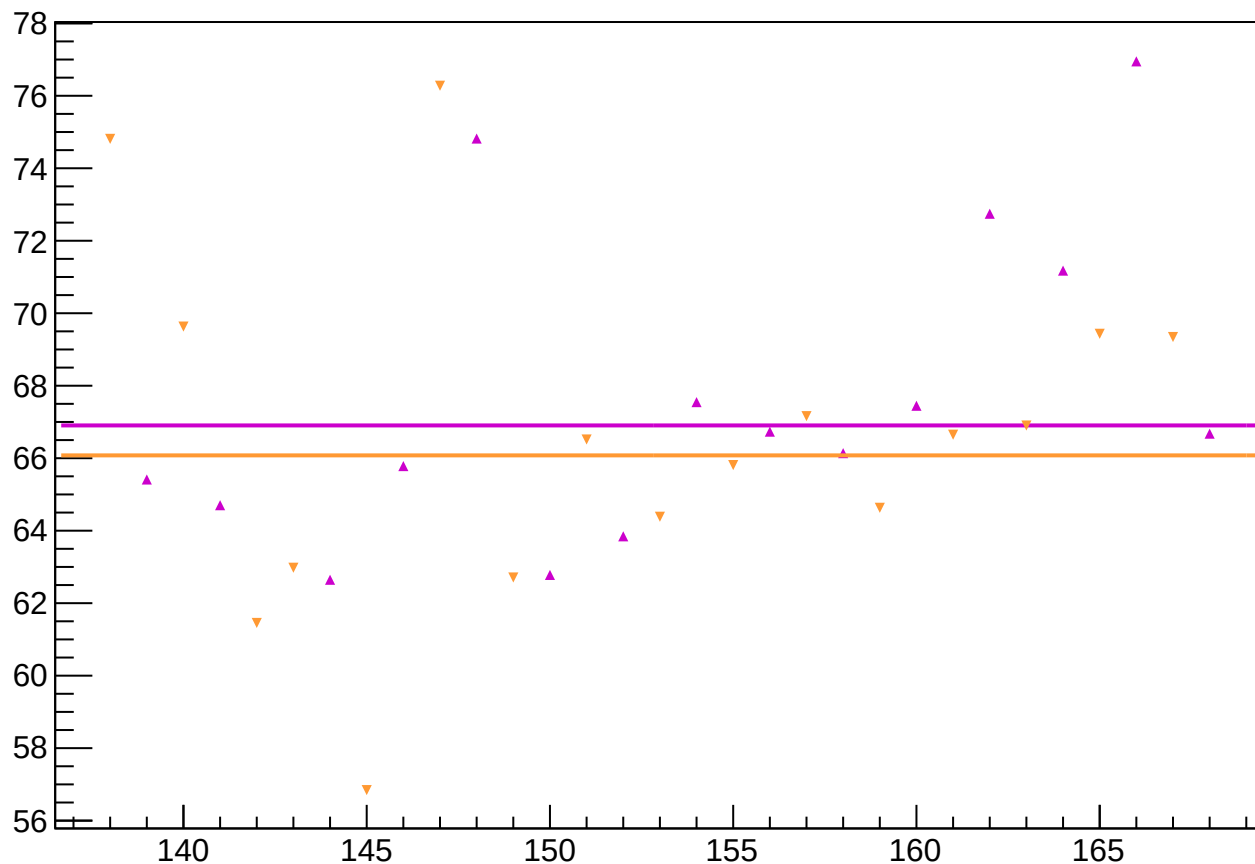
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 40.309 $\pm$ 19.558 χ^2 /NDF:11.3/14

Out: 6.188 $\pm$ 19.238 χ^2 /NDF:15.3/15

All: 22.967 $\pm$ 13.715 χ^2 /NDF: 28.2/30

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 66.078+/-0.014 χ^2/NDF :112998.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 66.904+/-0.014 χ^2/NDF :73220.6/14

Left: 66.484+/-0.010 χ^2/NDF : 188033.1/30

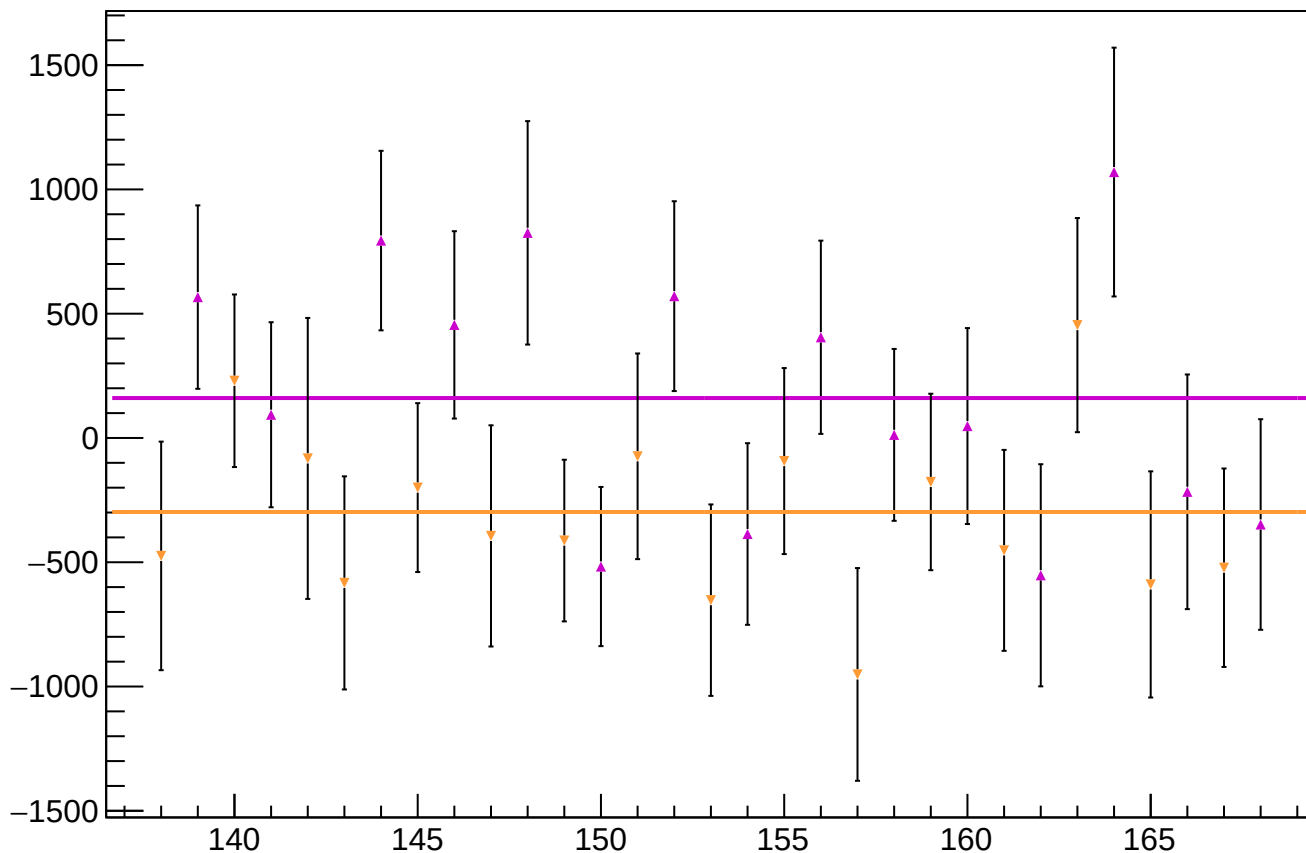
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 66.904+/-0.014 χ^2/NDF :73220.6/14

Out: 66.078+/-0.014 χ^2/NDF :112998.4/15

All: 66.484+/-0.010 χ^2/NDF : 188033.1/30

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -297.763+/-99.751 χ^2/NDF : 11.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 160.641+/-100.607 χ^2/NDF : 23.6/14

Left: -70.520+/-70.835 χ^2/NDF : 45.2/30

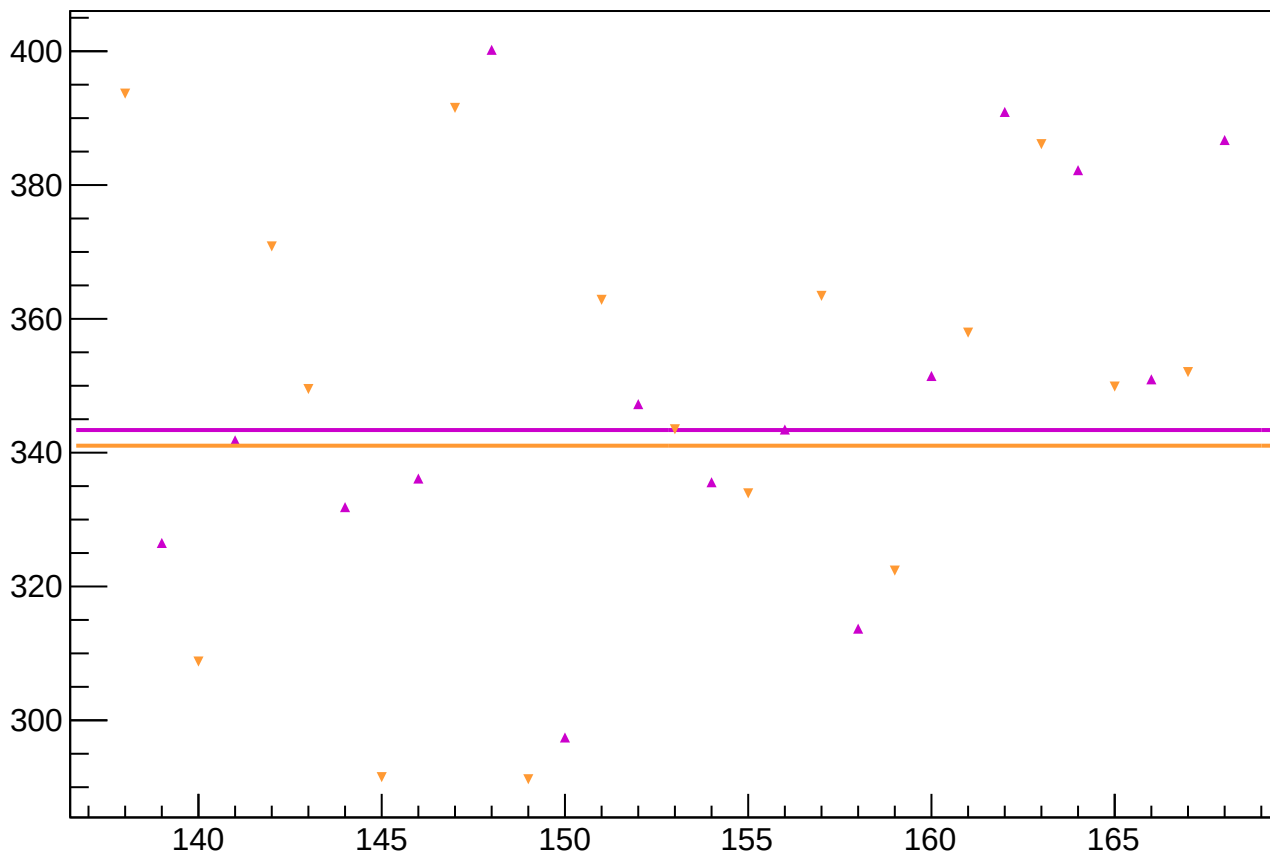
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 160.641+/-100.607 χ^2/NDF : 23.6/14

Out: -297.763+/-99.751 χ^2/NDF : 11.1/15

All: -70.520+/-70.835 χ^2/NDF : 45.2/30

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 341.043+/-0.071 χ^2/NDF :210092.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 343.382+/-0.071 χ^2/NDF :153003.9/14

Left: 342.203+/-0.050 χ^2/NDF : 363641.7/30

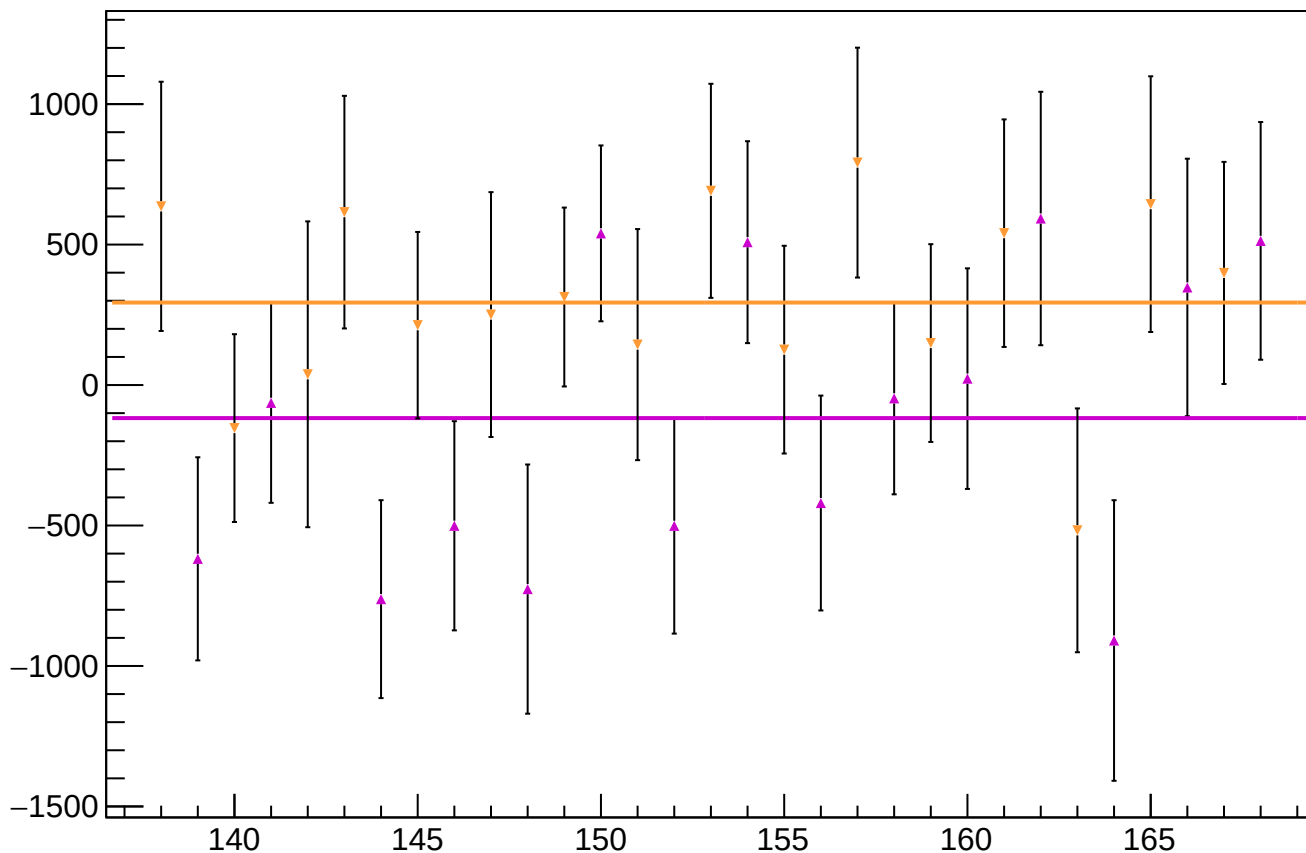
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 343.382+/-0.071 χ^2/NDF :153003.9/14

Out: 341.043+/-0.071 χ^2/NDF :210092.7/15

All: 342.203+/-0.050 χ^2/NDF : 363641.7/30

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 293.639+/-97.940 χ^2/NDF :10.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -117.668+/-99.103 χ^2/NDF :25.7/14

Left: 90.413+/-69.662 χ^2/NDF : 45.3/30

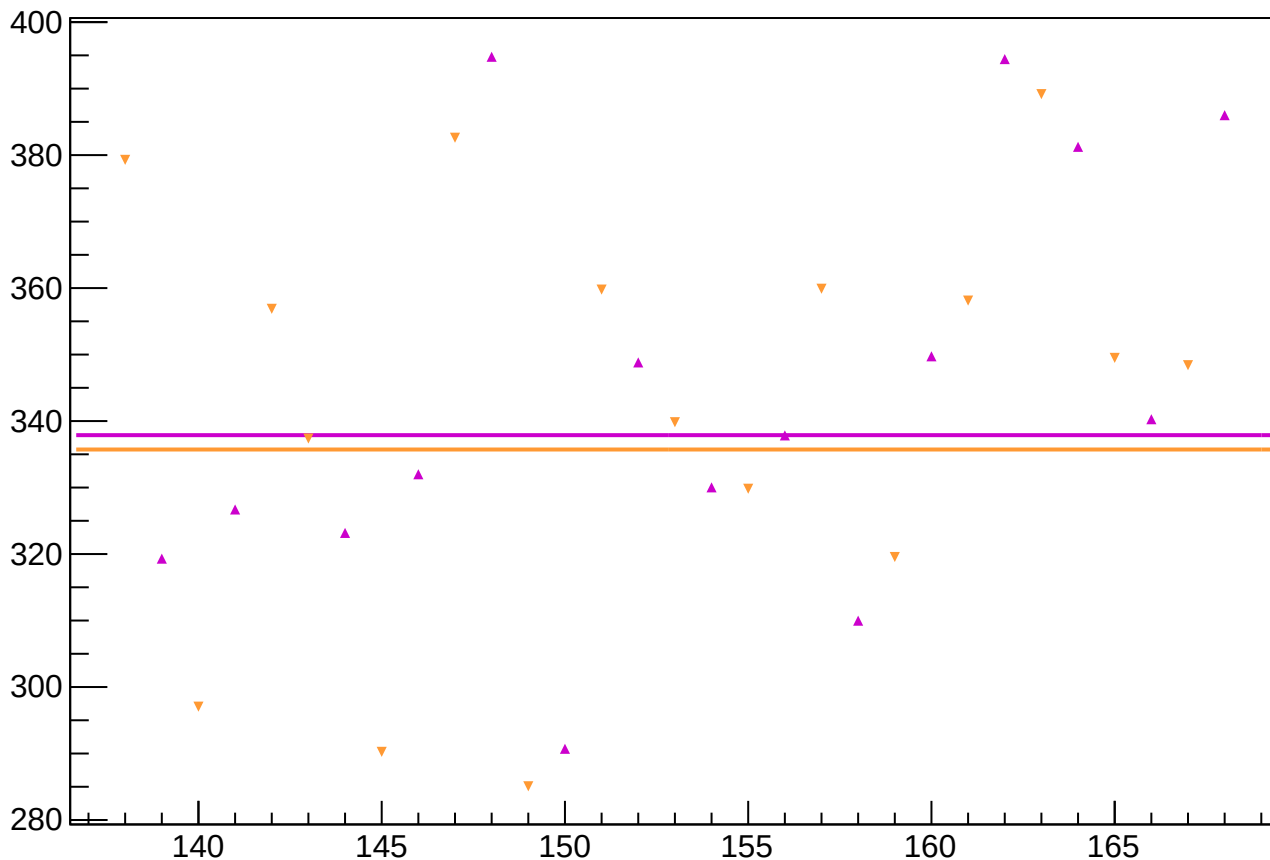
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -117.668+/-99.103 χ^2/NDF :25.7/14

Out: 293.639+/-97.940 χ^2/NDF :10.9/15

All: 90.413+/-69.662 χ^2/NDF : 45.3/30

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 335.723+/-0.069 χ^2/NDF :219558.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 337.881+/-0.070 χ^2/NDF :179795.8/14

Left: 336.789+/-0.049 χ^2/NDF : 399834.0/30

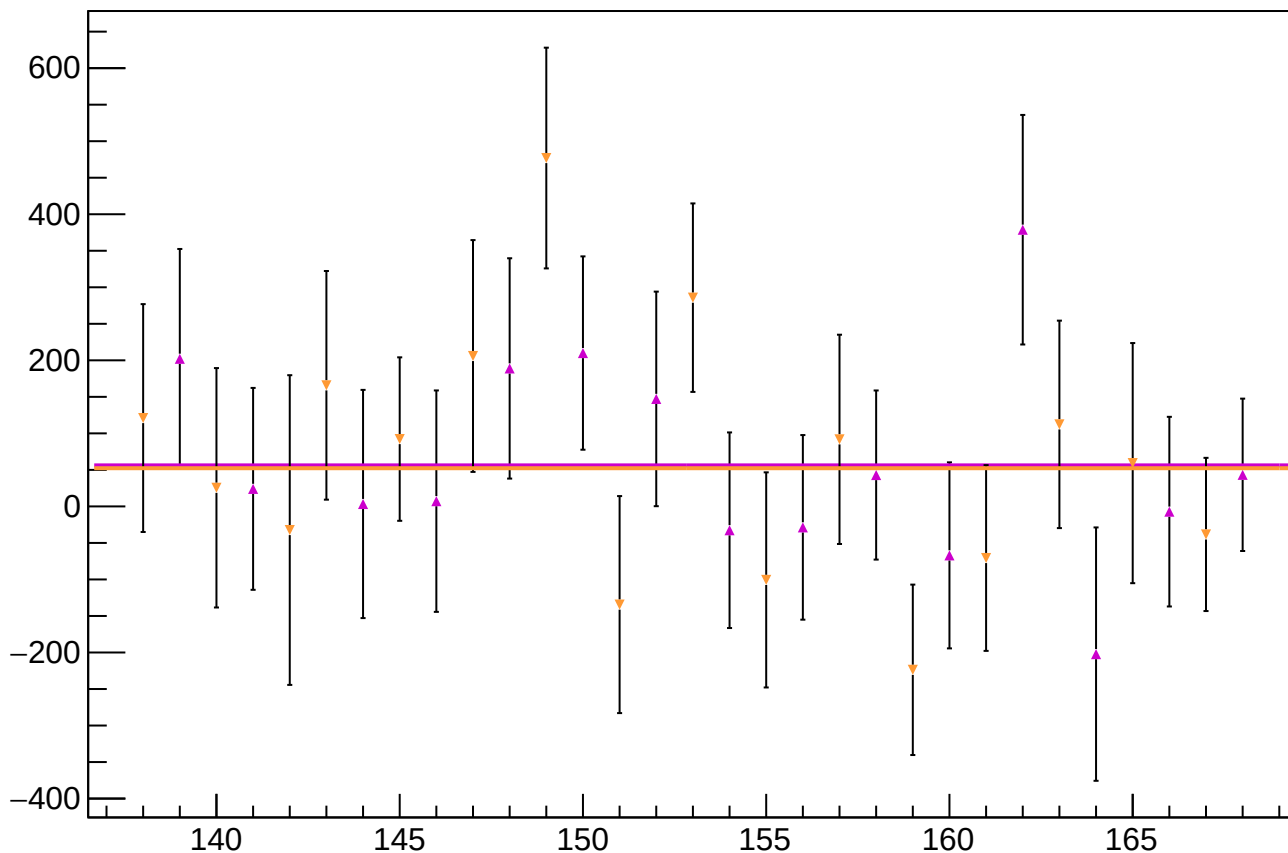
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 337.881+/-0.070 χ^2/NDF :179795.8/14

Out: 335.723+/-0.069 χ^2/NDF :219558.3/15

All: 336.789+/-0.049 χ^2/NDF : 399834.0/30

dit_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 52.289 $\pm$ 34.967 χ^2 /NDF:23.3/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 56.165 $\pm$ 35.176 χ^2 /NDF:12.3/14

Left: 54.215 $\pm$ 24.799 χ^2 /NDF: 35.6/30

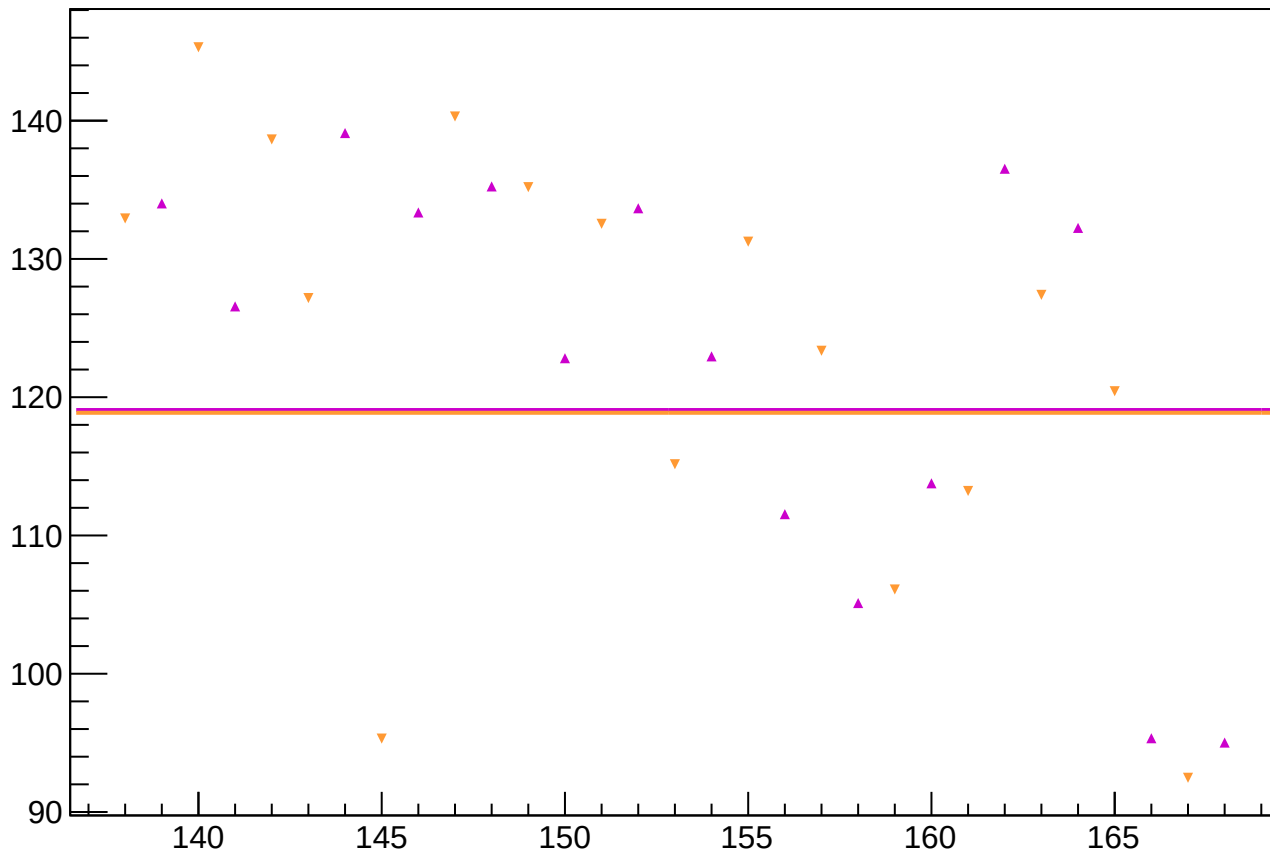
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 56.165 $\pm$ 35.176 χ^2 /NDF:12.3/14

Out: 52.289 $\pm$ 34.967 χ^2 /NDF:23.3/15

All: 54.215 $\pm$ 24.799 χ^2 /NDF: 35.6/30

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 118.874+/-0.025 χ^2/NDF :436533.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 119.073+/-0.025 χ^2/NDF :371399.6/14

Left: 118.973+/-0.018 χ^2/NDF : 807965.6/30

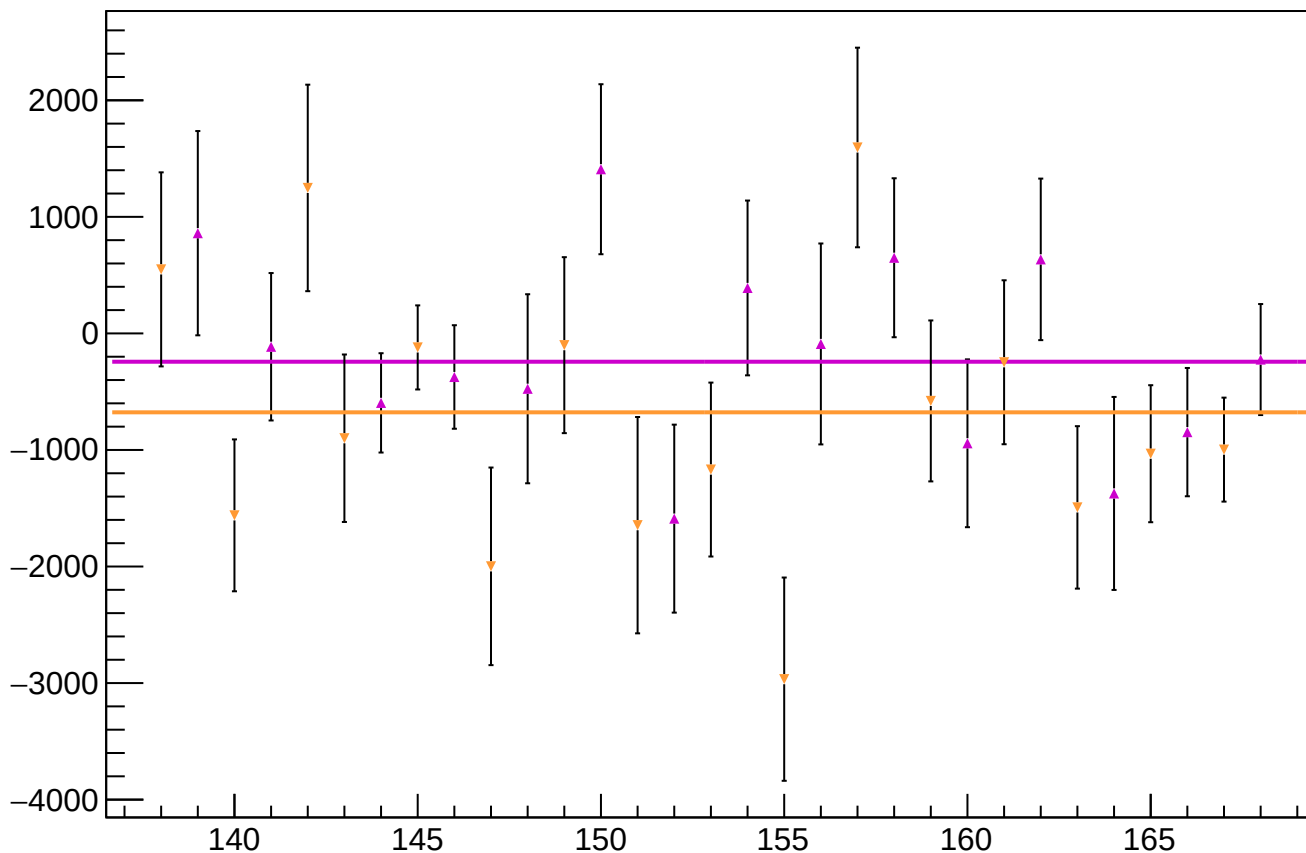
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 119.073+/-0.025 χ^2/NDF :371399.6/14

Out: 118.874+/-0.025 χ^2/NDF :436533.8/15

All: 118.973+/-0.018 χ^2/NDF : 807965.6/30

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -677.086+/-163.133 χ^2/NDF :32.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -242.974+/-162.702 χ^2/NDF :18.5/14

Left: -459.456+/-115.200 χ^2/NDF : 54.3/30

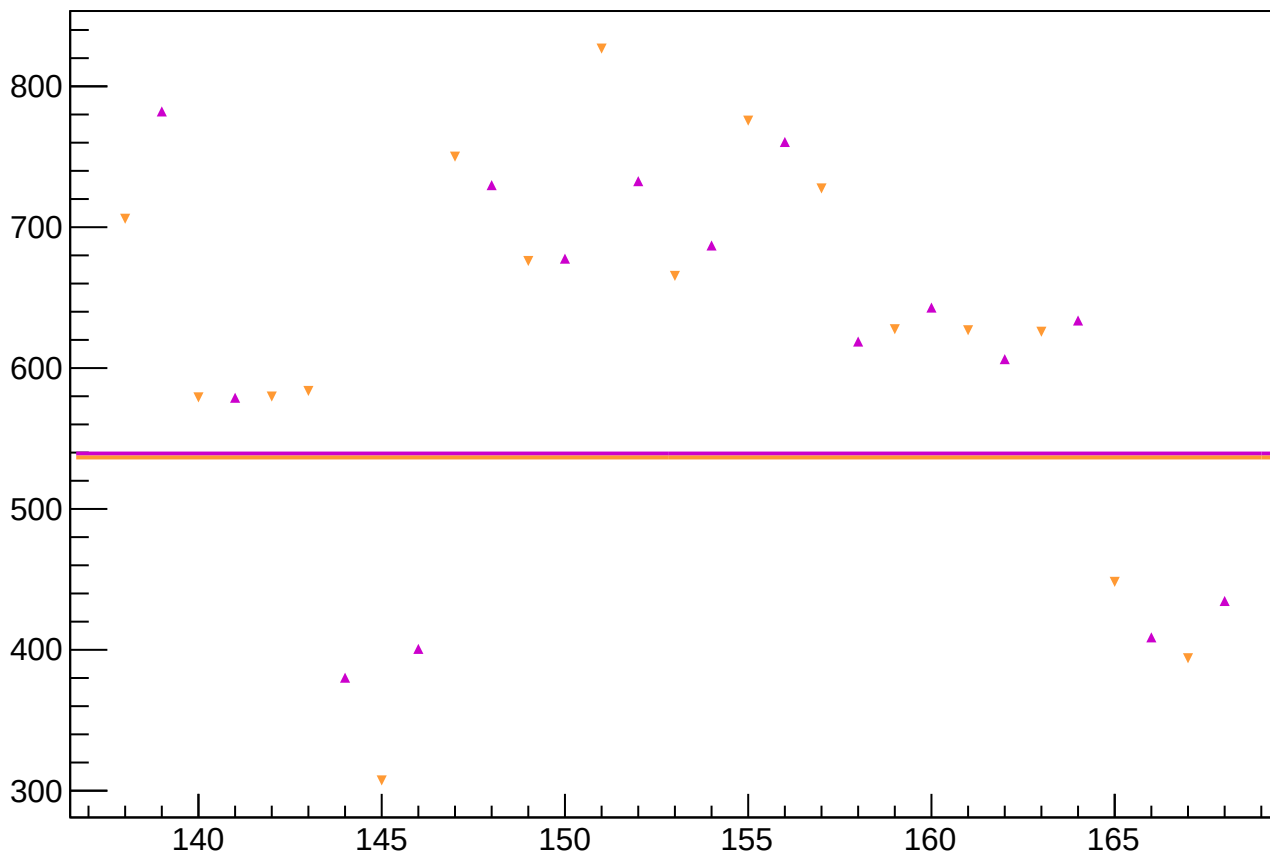
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -242.974+/-162.702 χ^2/NDF :18.5/14

Out: -677.086+/-163.133 χ^2/NDF :32.3/15

All: -459.456+/-115.200 χ^2/NDF : 54.3/30

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 536.553+/-0.115 χ^2/NDF :1962795.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 539.321+/-0.115 χ^2/NDF :1464220.2/14

Left: 537.941+/-0.081 χ^2/NDF : 3427304.5/30

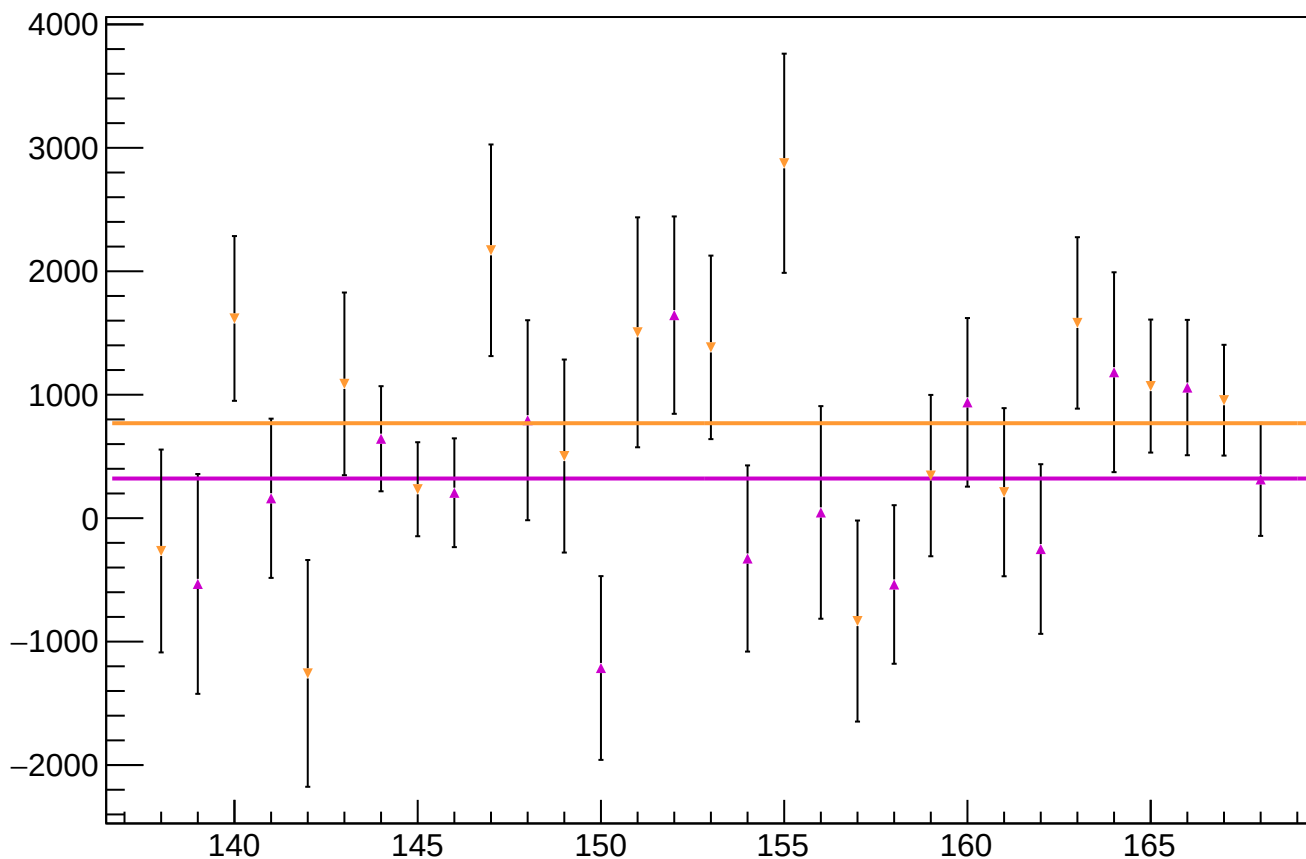
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 539.321+/-0.115 χ^2/NDF :1464220.2/14

Out: 536.553+/-0.115 χ^2/NDF :1962795.6/15

All: 537.941+/-0.081 χ^2/NDF : 3427304.5/30

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 769.223 $\pm$ 163.616 χ^2 /NDF:26.8/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 321.111 $\pm$ 160.864 χ^2 /NDF:16.0/14

Left: 541.367 $\pm$ 114.709 χ^2 /NDF: 46.6/30

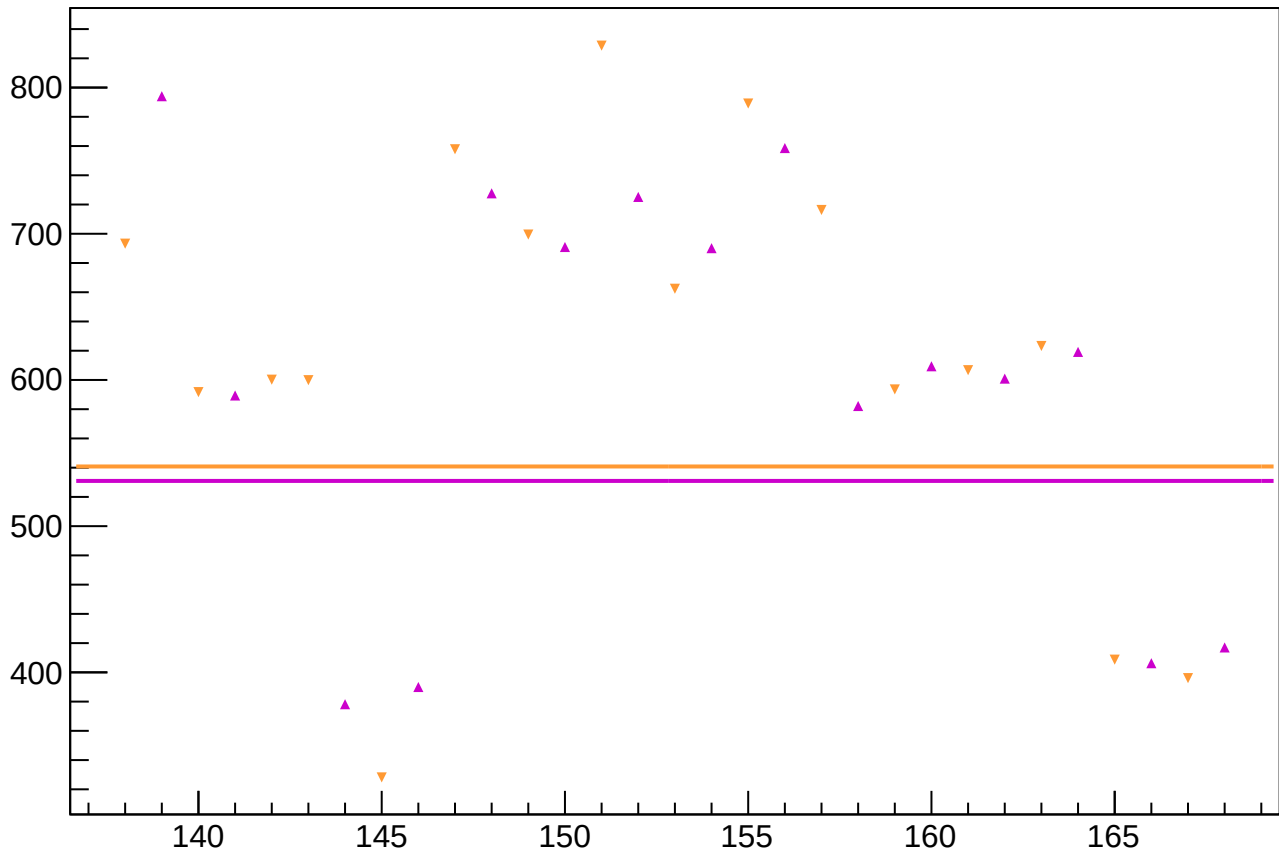
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 321.111 $\pm$ 160.864 χ^2 /NDF:16.0/14

Out: 769.223 $\pm$ 163.616 χ^2 /NDF:26.8/15

All: 541.367 $\pm$ 114.709 χ^2 /NDF: 46.6/30

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 540.822+/-0.116 χ^2/NDF :1817991.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 530.942+/-0.114 χ^2/NDF :1521363.8/14

Left: 535.798+/-0.081 χ^2/NDF : 3343062.9/30

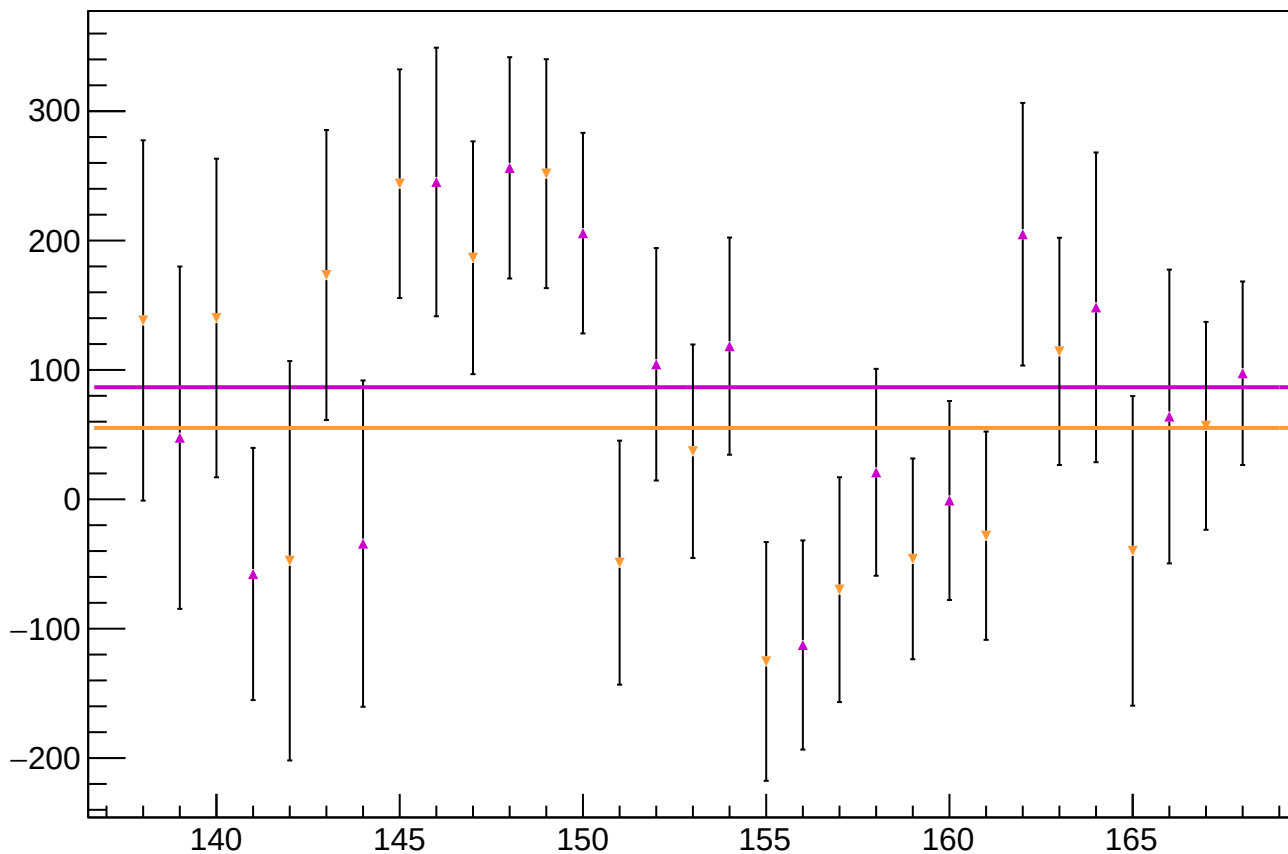
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 530.942+/-0.114 χ^2/NDF :1521363.8/14

Out: 540.822+/-0.116 χ^2/NDF :1817991.1/15

All: 535.798+/-0.081 χ^2/NDF : 3343062.9/30

dit_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 55.180 $\pm$ 23.554 χ^2 /NDF:25.0/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 86.640 $\pm$ 23.514 χ^2 /NDF:21.7/14

Left: 70.937 $\pm$ 16.641 χ^2 /NDF: 47.7/30

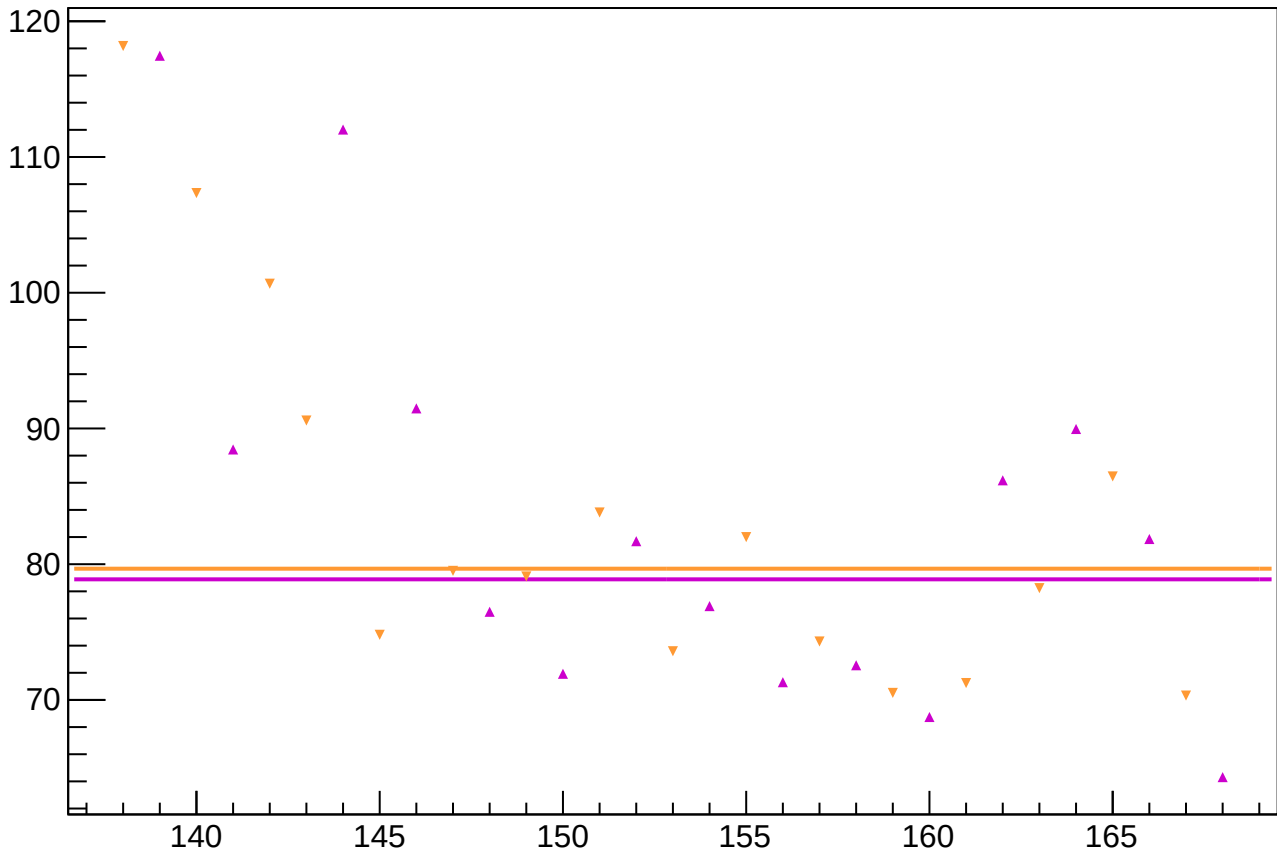
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 86.640 $\pm$ 23.514 χ^2 /NDF:21.7/14

Out: 55.180 $\pm$ 23.554 χ^2 /NDF:25.0/15

All: 70.937 $\pm$ 16.641 χ^2 /NDF: 47.7/30

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 79.669 $\pm$ 0.017 χ^2/NDF :423509.1/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 78.885 $\pm$ 0.017 χ^2/NDF :555691.4/14

Left: 79.277 $\pm$ 0.012 χ^2/NDF : 980311.3/30

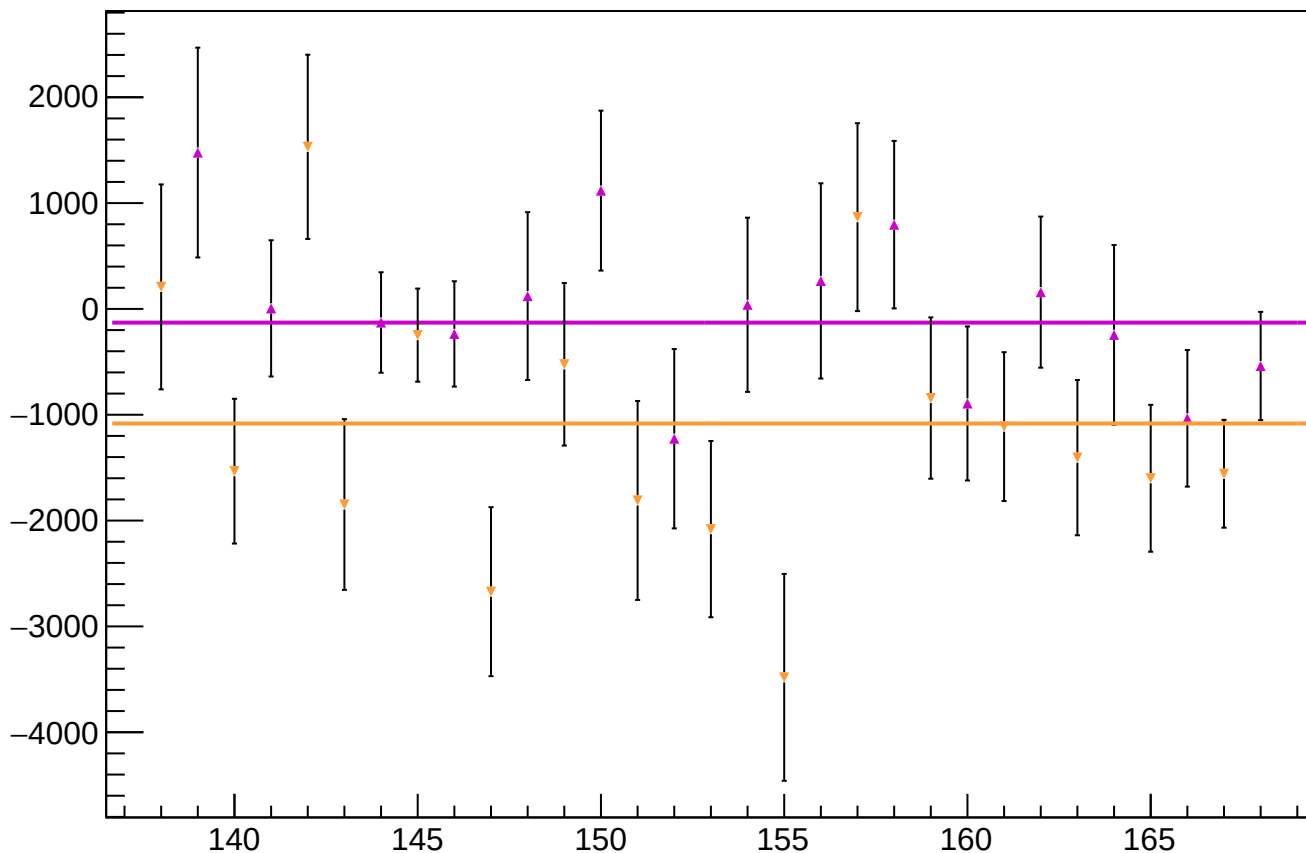
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 78.885 $\pm$ 0.017 χ^2/NDF :555691.4/14

Out: 79.669 $\pm$ 0.017 χ^2/NDF :423509.1/15

All: 79.277 $\pm$ 0.012 χ^2/NDF : 980311.3/30

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1082.419+/-179.866 χ^2/NDF :34.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -129.288+/-175.819 χ^2/NDF :12.7/14

Left: -595.009+/-125.729 χ^2/NDF : 61.9/30

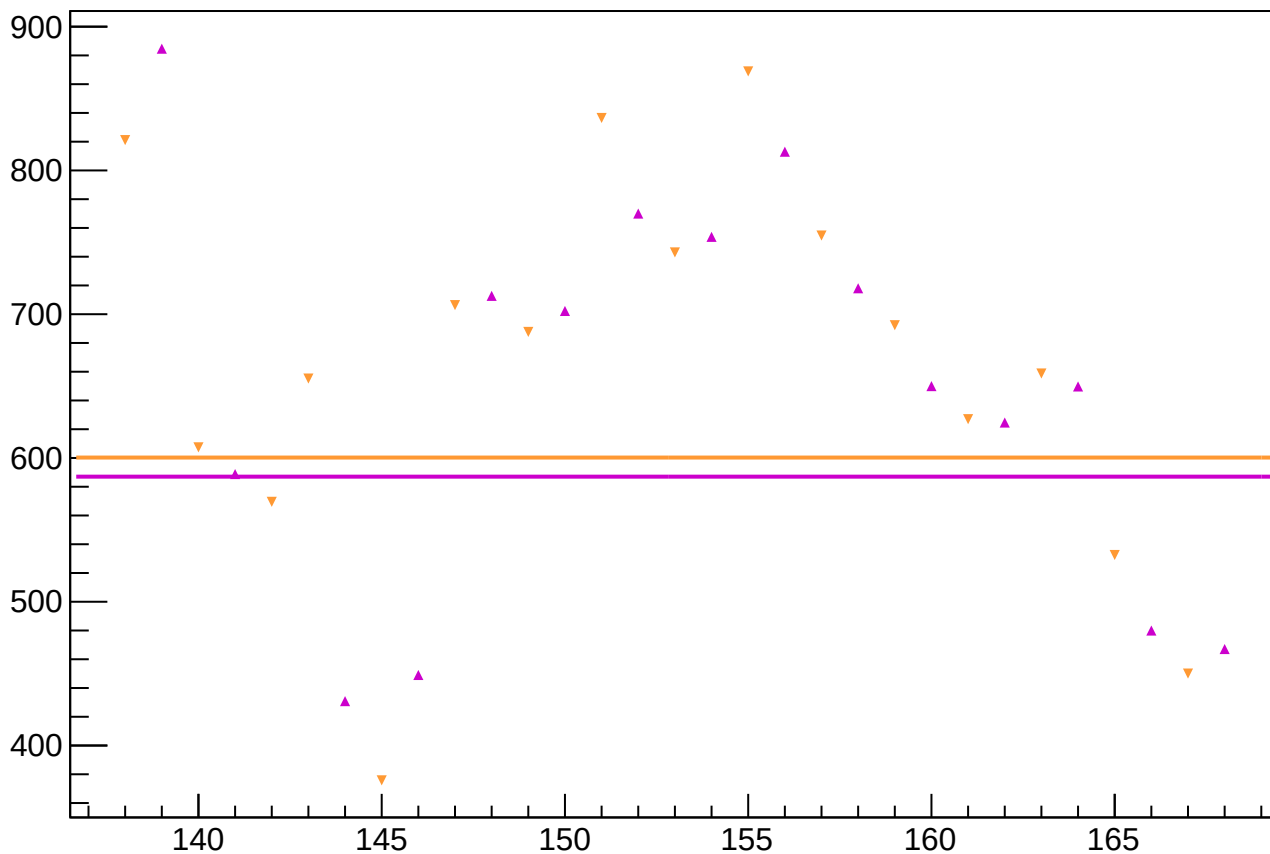
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -129.288+/-175.819 χ^2/NDF :12.7/14

Out: -1082.419+/-179.866 χ^2/NDF :34.8/15

All: -595.009+/-125.729 χ^2/NDF : 61.9/30

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 600.296+/-0.127 χ^2/NDF :1332475.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 587.012+/-0.124 χ^2/NDF :1193900.4/14

Left: 593.503+/-0.089 χ^2/NDF : 2531954.5/30

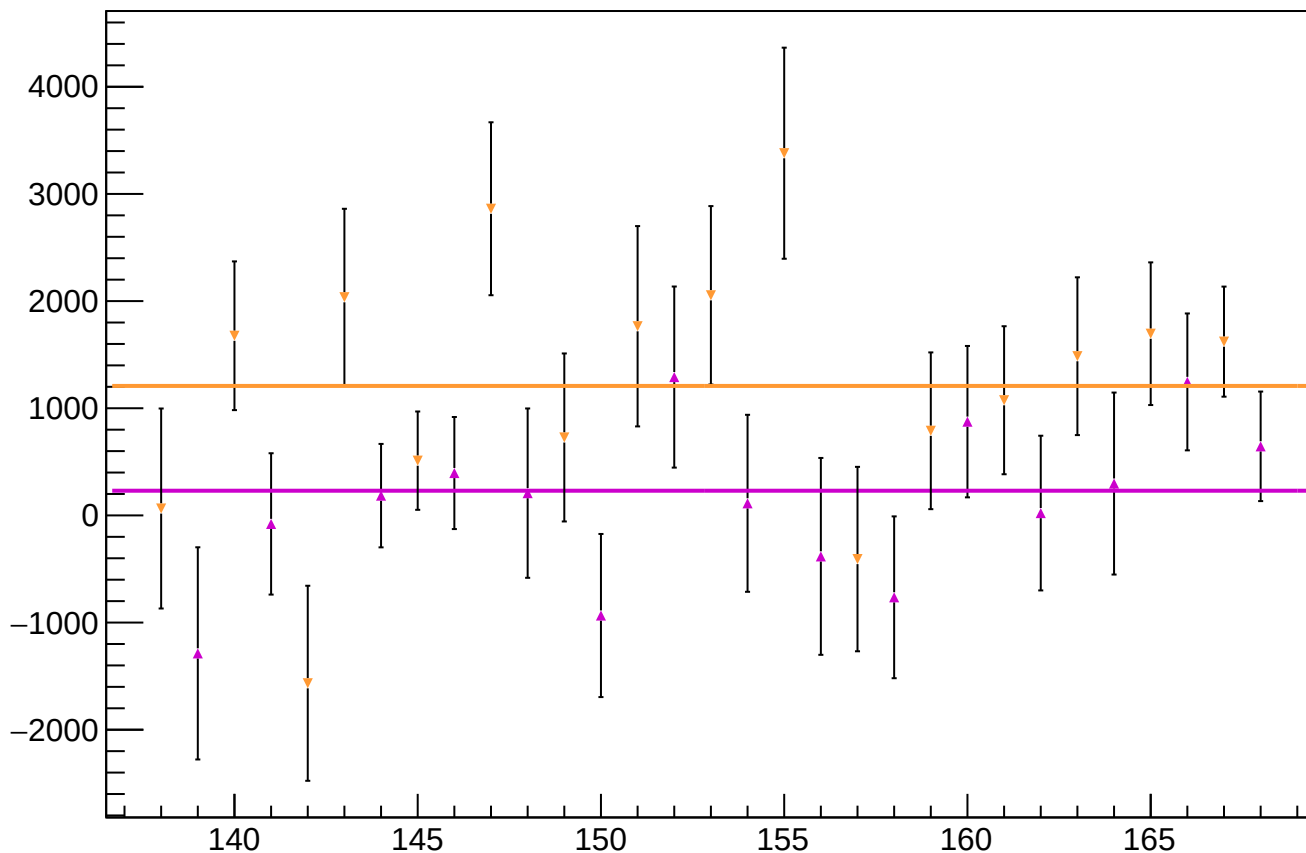
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 587.012+/-0.124 χ^2/NDF :1193900.4/14

Out: 600.296+/-0.127 χ^2/NDF :1332475.8/15

All: 593.503+/-0.089 χ^2/NDF : 2531954.5/30

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1208.271+/-180.660 χ^2/NDF :30.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 230.380+/-176.805 χ^2/NDF :12.9/14

Left: 708.781+/-126.361 χ^2/NDF : 58.5/30

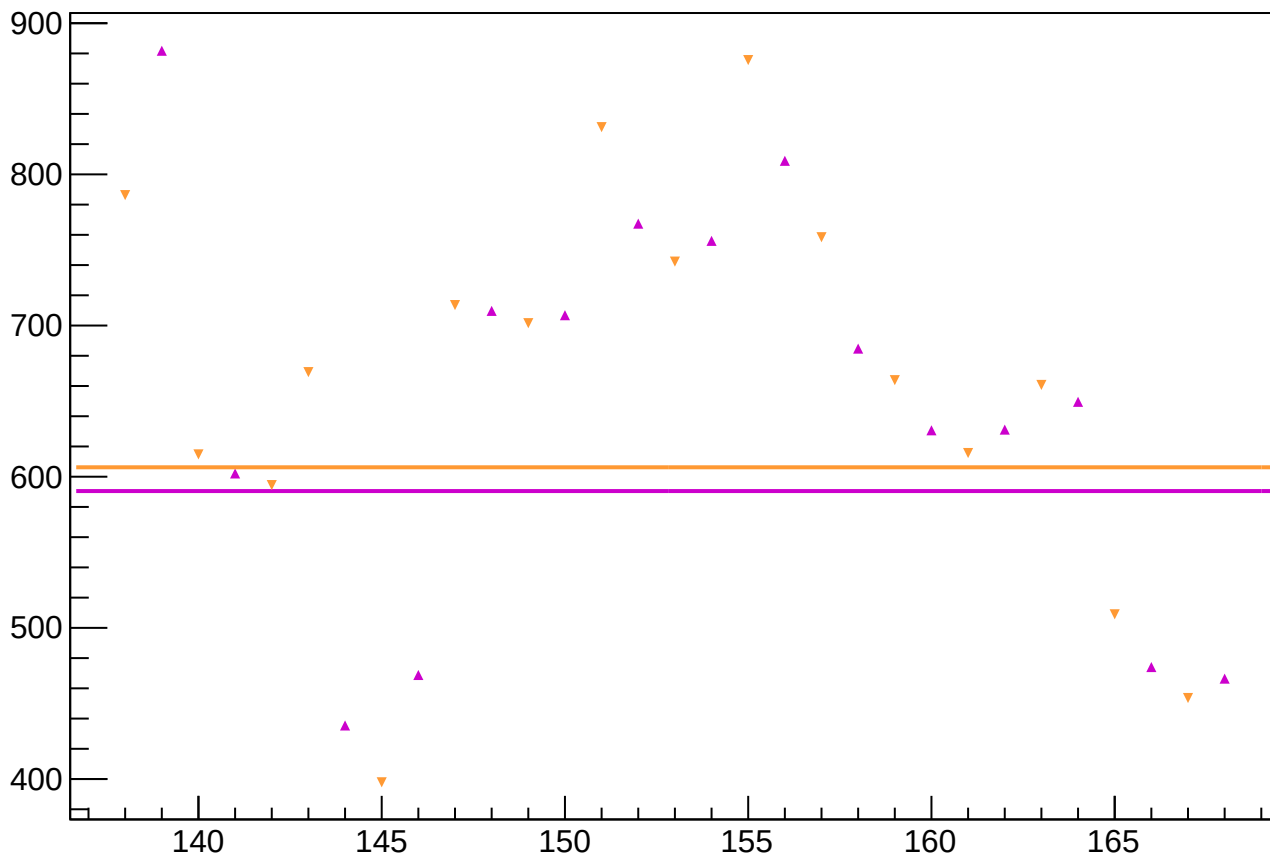
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 230.380+/-176.805 χ^2/NDF :12.9/14

Out: 1208.271+/-180.660 χ^2/NDF :30.6/15

All: 708.781+/-126.361 χ^2/NDF : 58.5/30

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 606.225+/-0.128 χ^2/NDF :1188686.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 590.503+/-0.125 χ^2/NDF :1099705.1/14

Left: 598.195+/-0.089 χ^2/NDF : 2296128.1/30

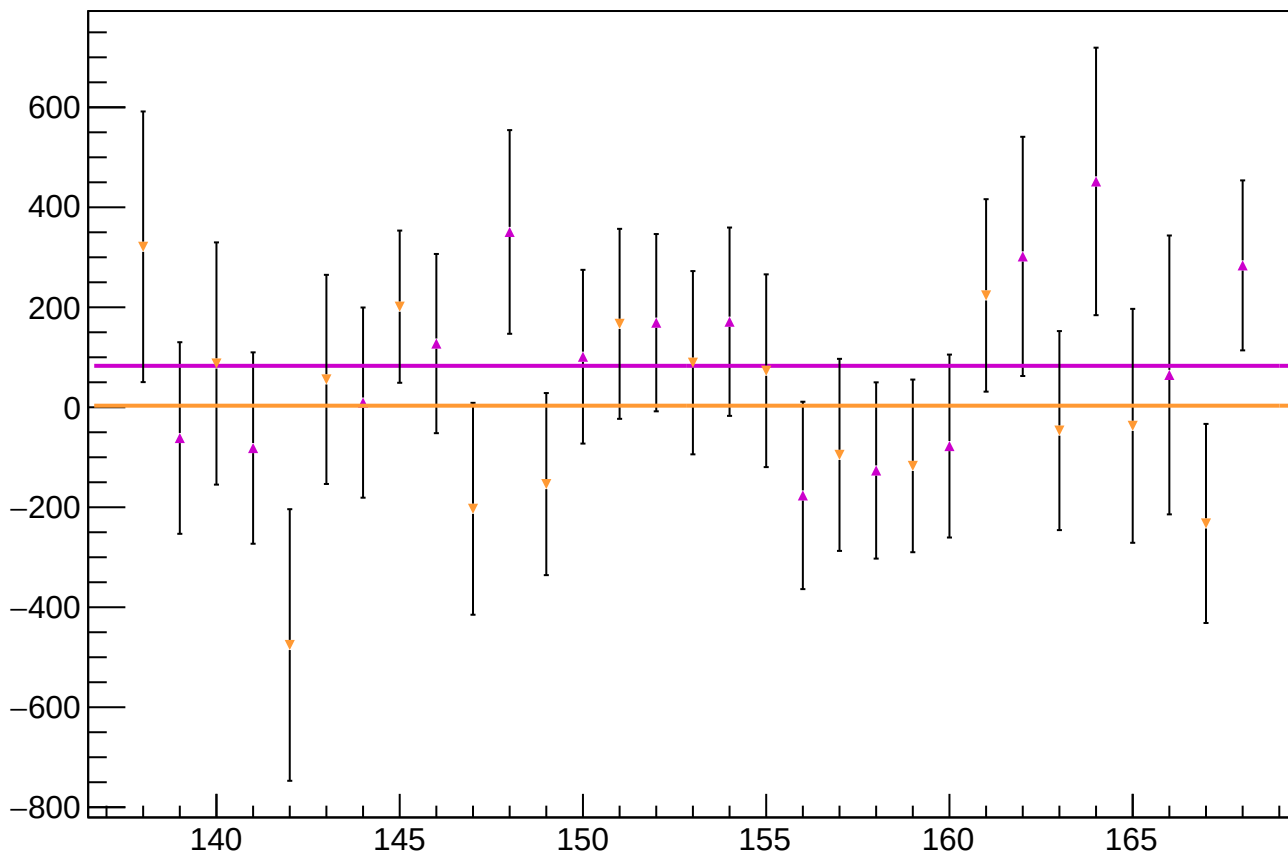
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 590.503+/-0.125 χ^2/NDF :1099705.1/14

Out: 606.225+/-0.128 χ^2/NDF :1188686.1/15

All: 598.195+/-0.089 χ^2/NDF : 2296128.1/30

dit_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 3.186 $\pm$ 49.789 χ^2 /NDF:12.7/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 82.921 $\pm$ 50.005 χ^2 /NDF:11.9/14

Left: 42.881 $\pm$ 35.282 χ^2 /NDF: 25.9/30

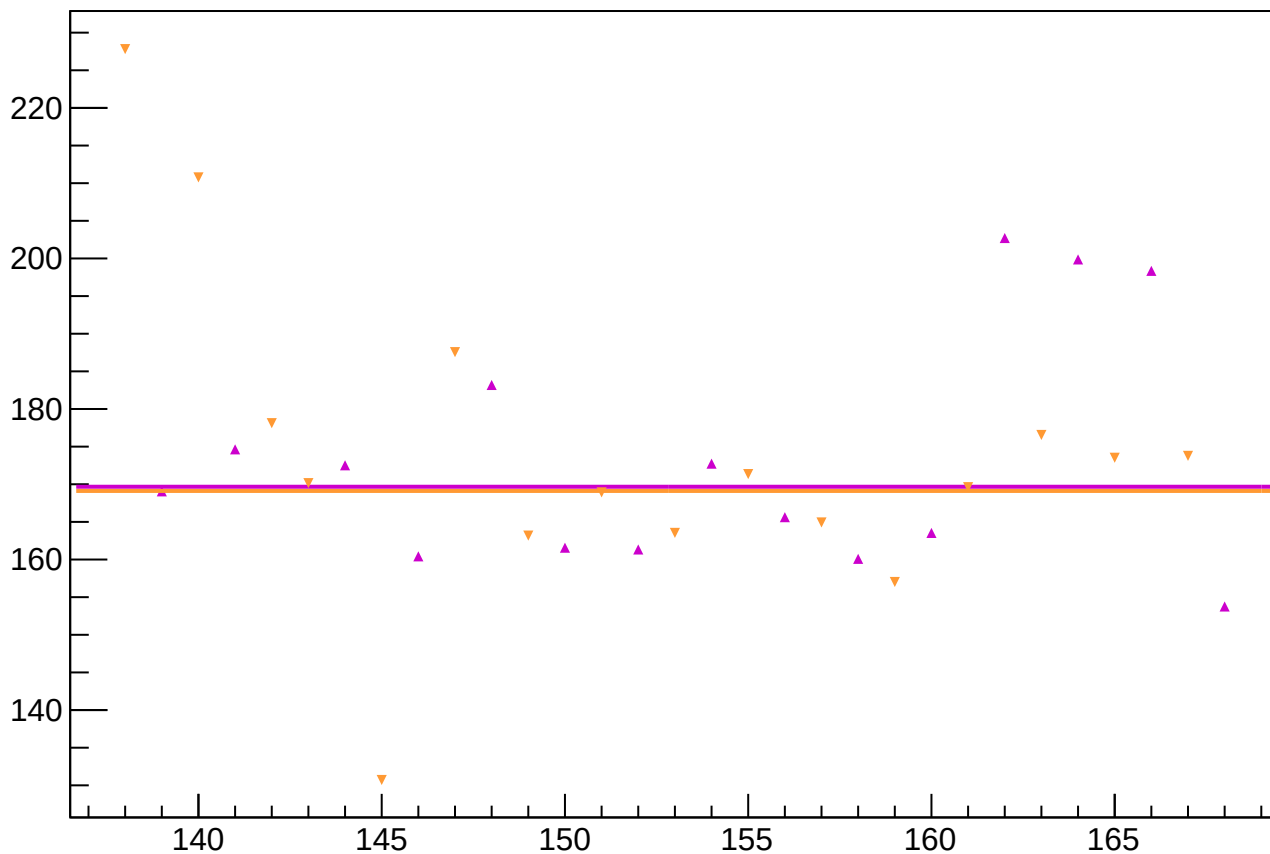
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 82.921 $\pm$ 50.005 χ^2 /NDF:11.9/14

Out: 3.186 $\pm$ 49.789 χ^2 /NDF:12.7/15

All: 42.881 $\pm$ 35.282 χ^2 /NDF: 25.9/30

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 169.113+/-0.035 χ^2/NDF :317488.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 169.670+/-0.035 χ^2/NDF :136632.7/14

Left: 169.390+/-0.025 χ^2/NDF : 454245.9/30

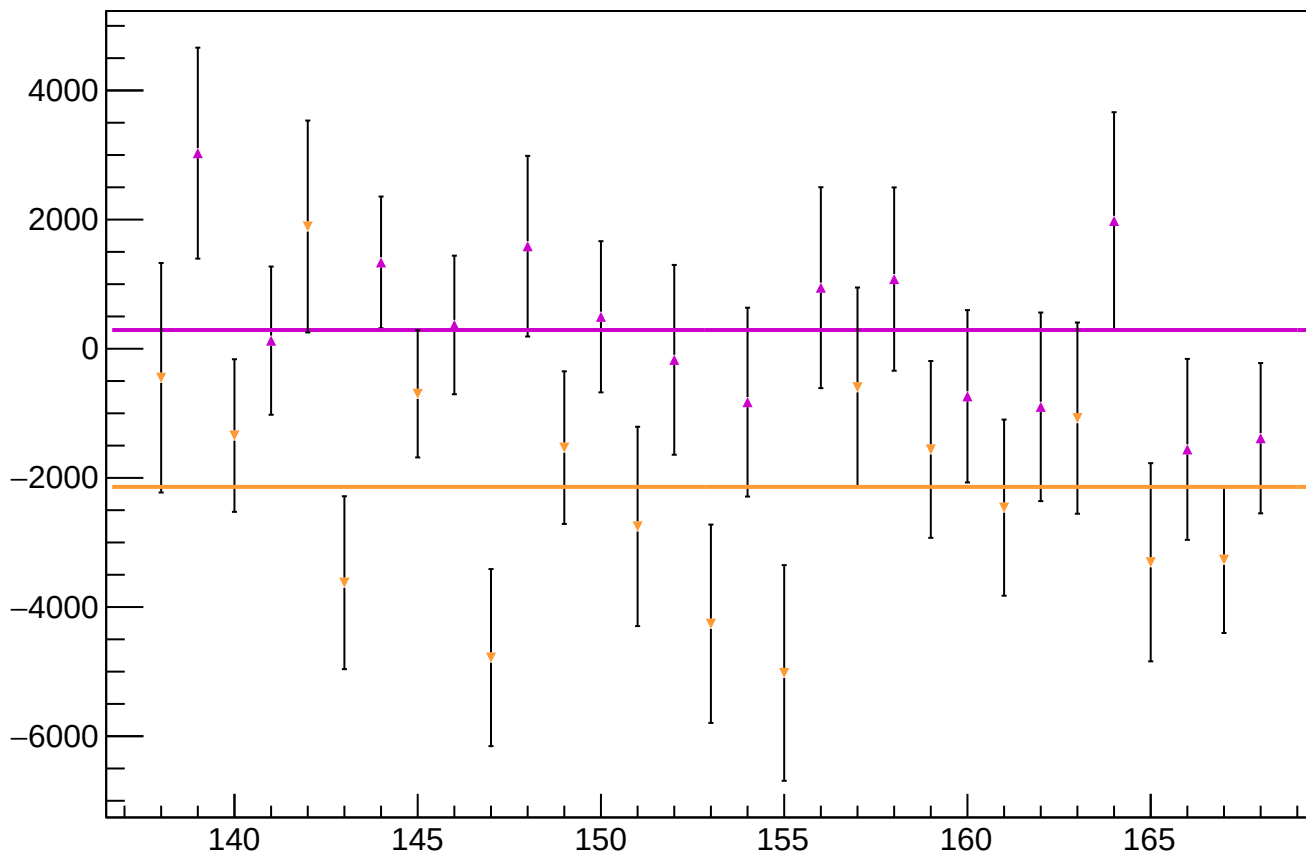
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 169.670+/-0.035 χ^2/NDF :136632.7/14

Out: 169.113+/-0.035 χ^2/NDF :317488.7/15

All: 169.390+/-0.025 χ^2/NDF : 454245.9/30

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -2139.493+/-341.155 χ^2/NDF :23.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 289.853+/-339.496 χ^2/NDF :12.0/14

Left: -918.899+/-240.644 χ^2/NDF : 60.6/30

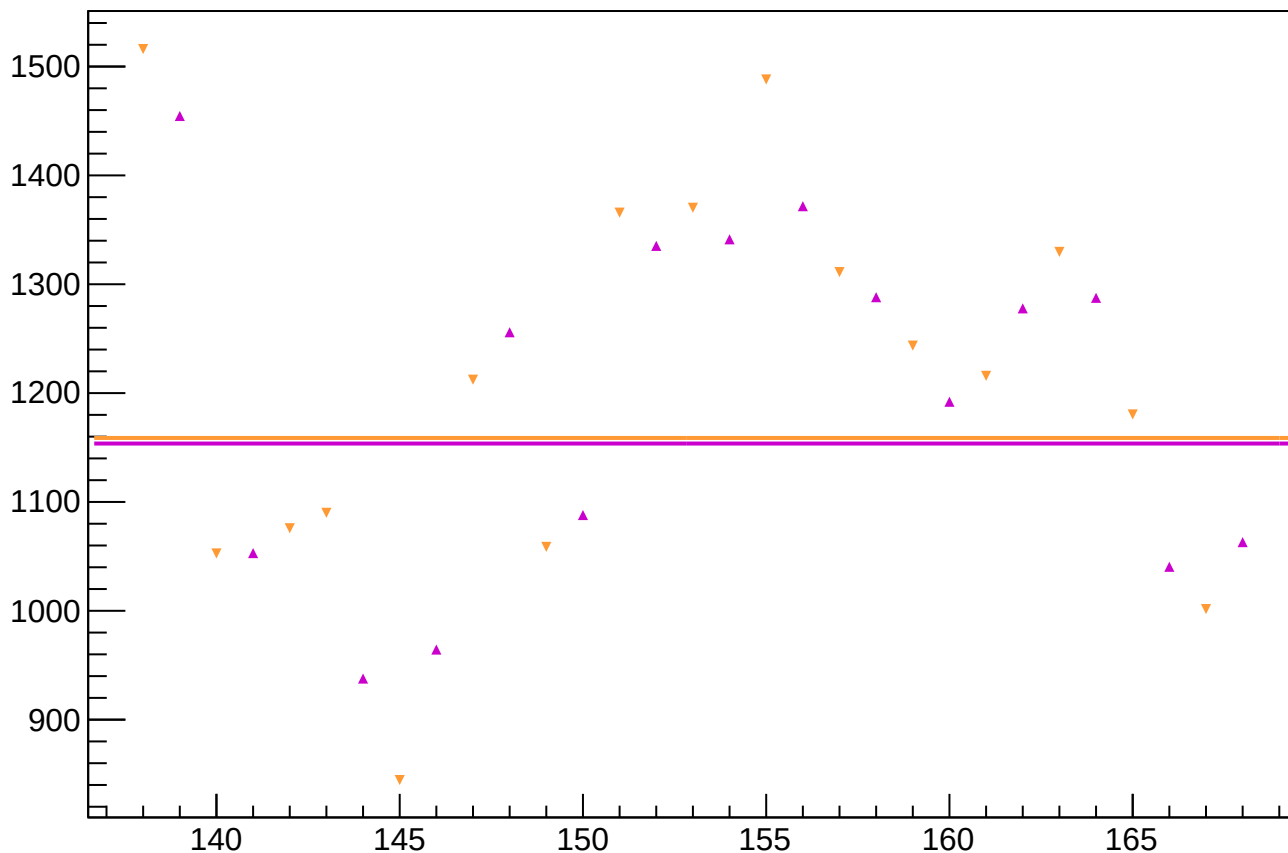
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 289.853+/-339.496 χ^2/NDF :12.0/14

Out: -2139.493+/-341.155 χ^2/NDF :23.1/15

All: -918.899+/-240.644 χ^2/NDF : 60.6/30

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1158.800+/-0.241 χ^2/NDF :576246.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1153.663+/-0.240 χ^2/NDF :426712.2/14

Left: 1156.219+/-0.170 χ^2/NDF : 1003186.9/30

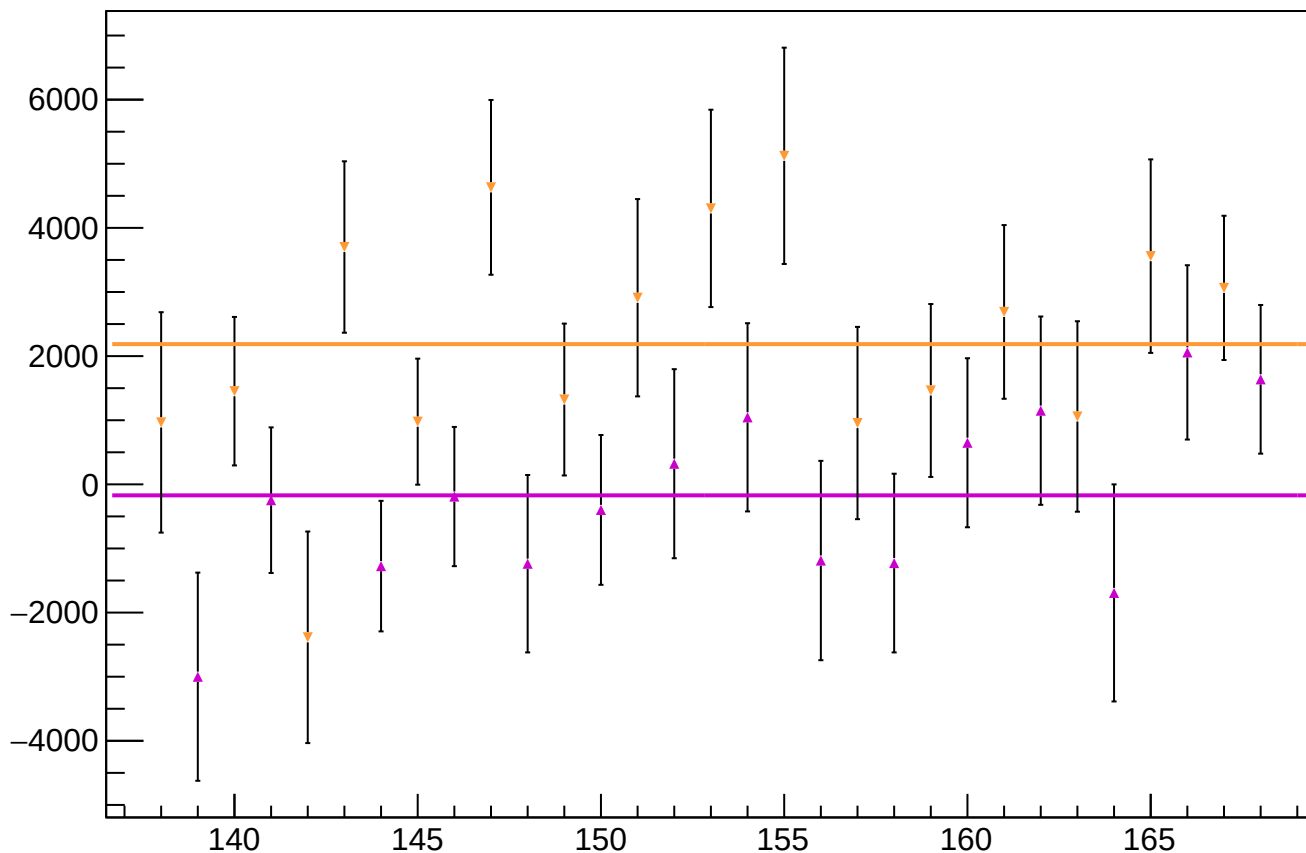
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1153.663+/-0.240 χ^2/NDF :426712.2/14

Out: 1158.800+/-0.241 χ^2/NDF :576246.8/15

All: 1156.219+/-0.170 χ^2/NDF : 1003186.9/30

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 2187.029 $\pm$ 338.715 χ^2 /NDF:23.4/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -171.738 $\pm$ 338.070 χ^2 /NDF:13.8/14

Left: 1005.399 $\pm$ 239.279 χ^2 /NDF: 61.5/30

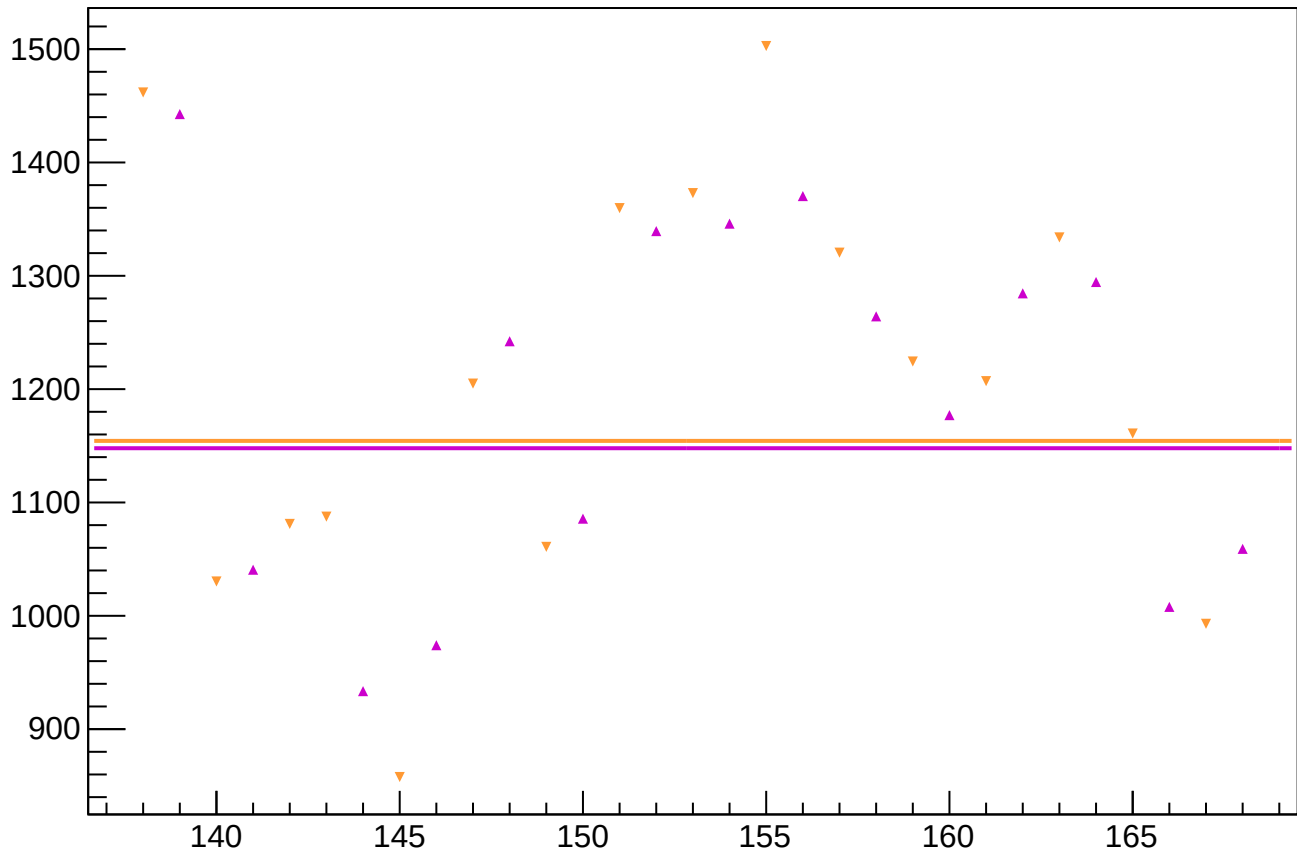
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -171.738 $\pm$ 338.070 χ^2 /NDF:13.8/14

Out: 2187.029 $\pm$ 338.715 χ^2 /NDF:23.4/15

All: 1005.399 $\pm$ 239.279 χ^2 /NDF: 61.5/30

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1154.336+/-0.240 χ^2/NDF : 557936.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1147.862+/-0.239 χ^2/NDF : 430054.0/14

Left: 1151.093+/-0.169 χ^2/NDF : 988356.2/30

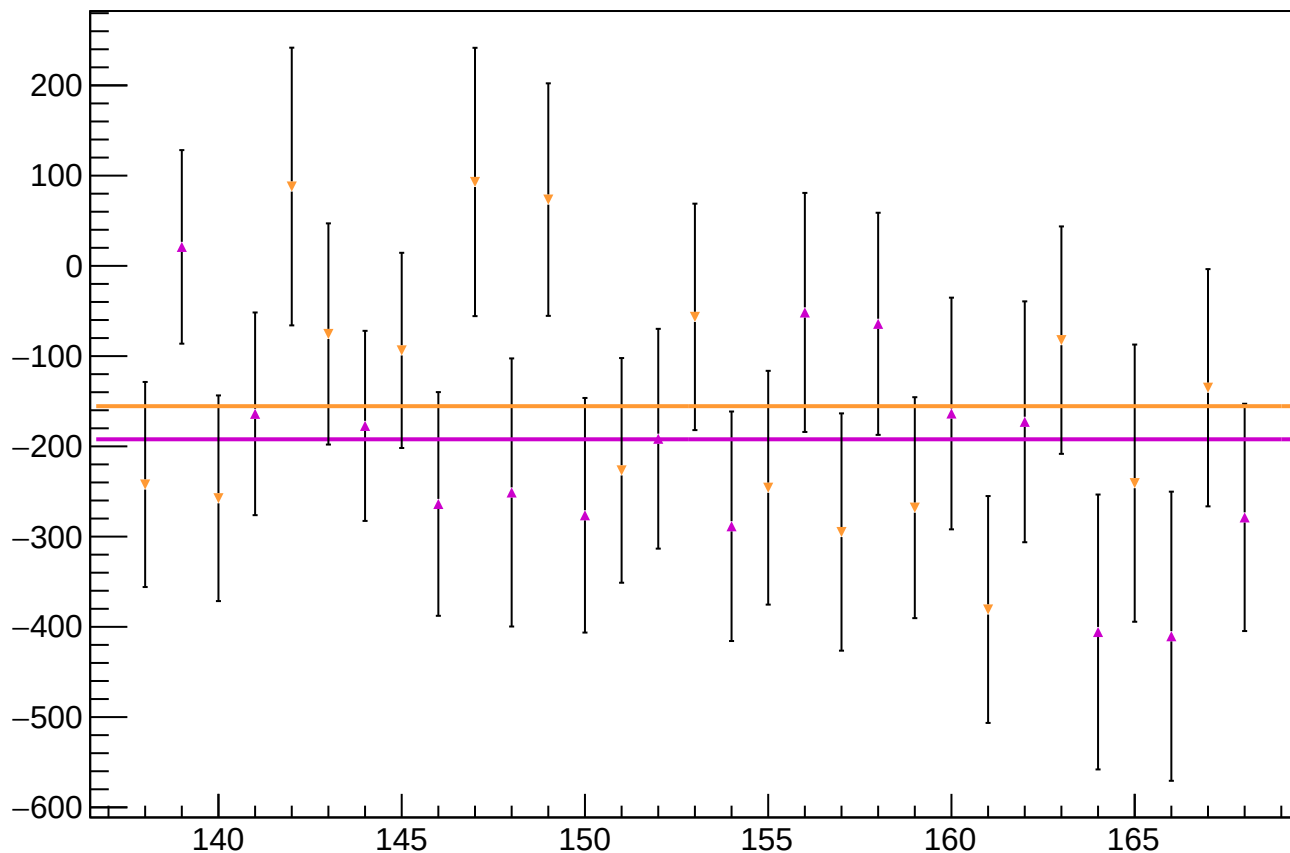
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1147.862+/-0.239 χ^2/NDF : 430054.0/14

Out: 1154.336+/-0.240 χ^2/NDF : 557936.0/15

All: 1151.093+/-0.169 χ^2/NDF : 988356.2/30

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -155.476 $\pm$ 31.733 χ^2 /NDF:17.9/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -192.173 $\pm$ 32.612 χ^2 /NDF:12.1/14

Left: -173.323 $\pm$ 22.743 χ^2 /NDF: 30.6/30

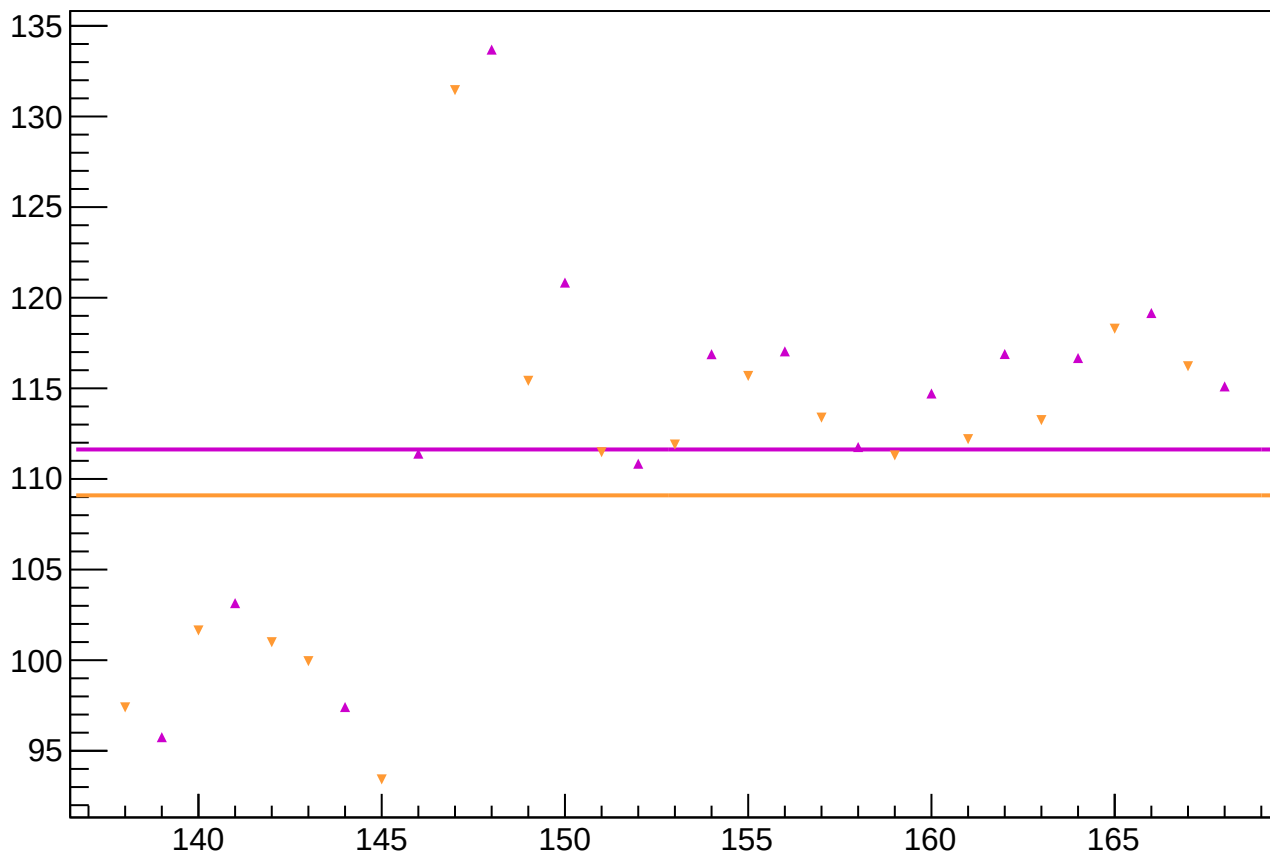
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -192.173 $\pm$ 32.612 χ^2 /NDF:12.1/14

Out: -155.476 $\pm$ 31.733 χ^2 /NDF:17.9/15

All: -173.323 $\pm$ 22.743 χ^2 /NDF: 30.6/30

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 109.095+/-0.022 χ^2/NDF :164617.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 111.627+/-0.023 χ^2/NDF :165059.5/14

Left: 110.326+/-0.016 χ^2/NDF : 335871.2/30

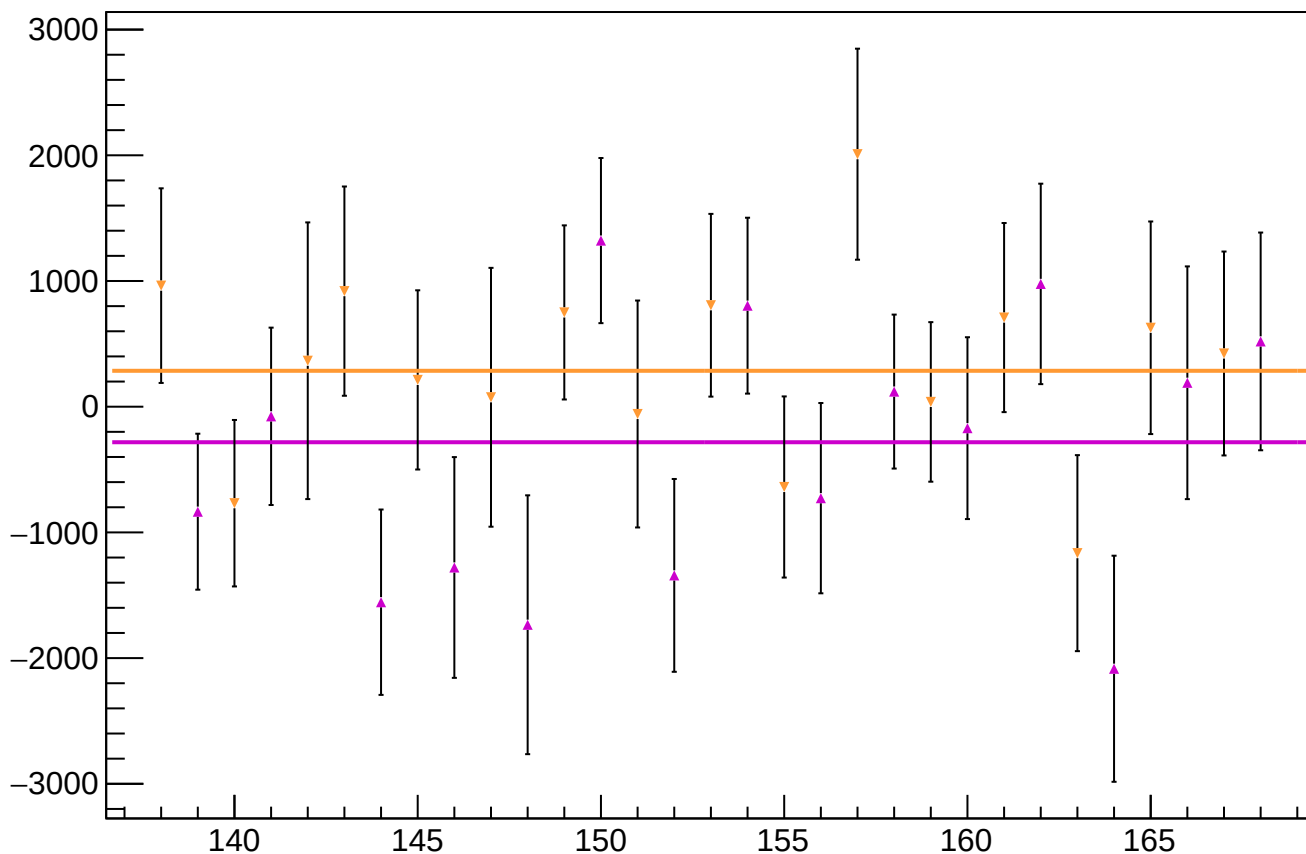
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 111.627+/-0.023 χ^2/NDF :165059.5/14

Out: 109.095+/-0.022 χ^2/NDF :164617.8/15

All: 110.326+/-0.016 χ^2/NDF : 335871.2/30

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 285.628 ± 194.282 $\chi^2/\text{NDF}: 15.0/15$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -282.706 ± 194.701 $\chi^2/\text{NDF}: 25.8/14$

Left: 2.073 ± 137.526 $\chi^2/\text{NDF}: 45.1/30$

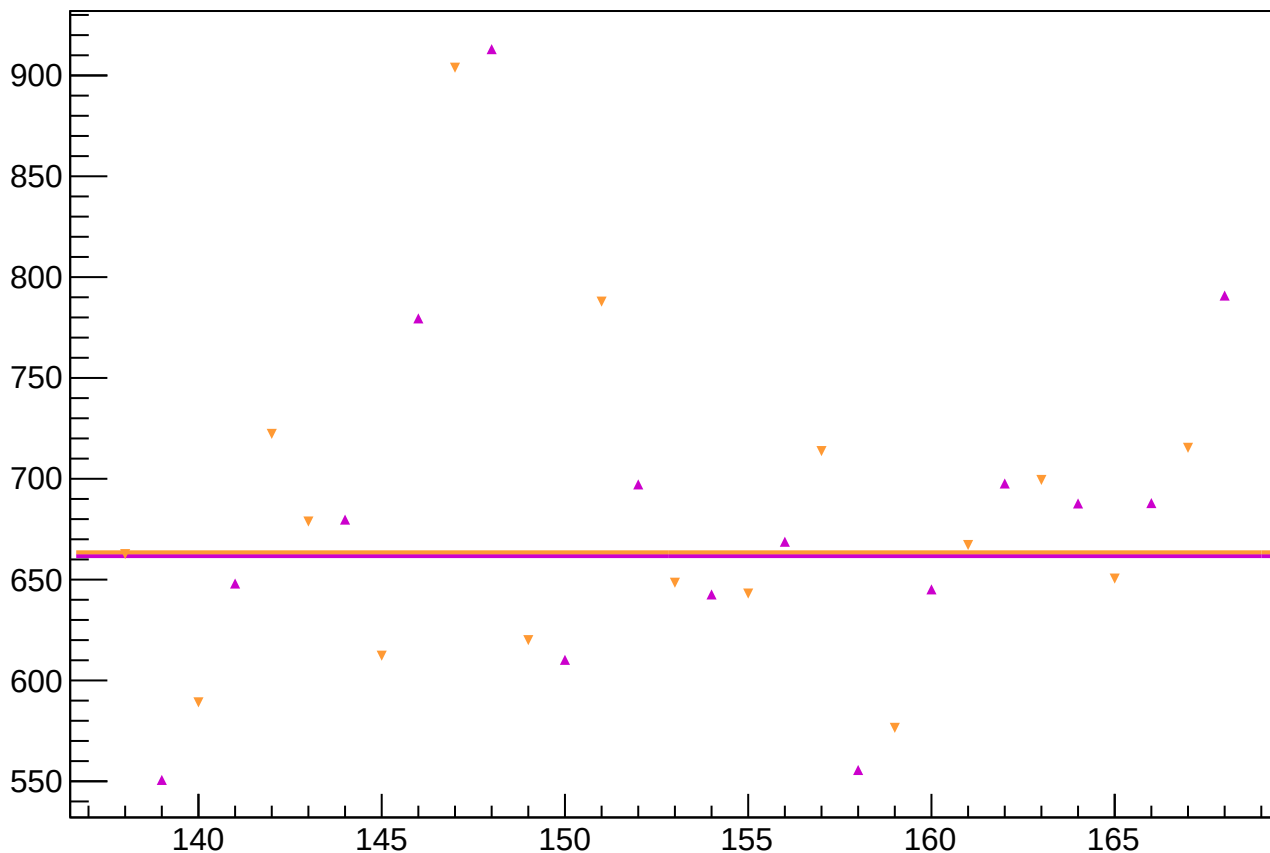
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -282.706 ± 194.701 $\chi^2/\text{NDF}: 25.8/14$

Out: 285.628 ± 194.282 $\chi^2/\text{NDF}: 15.0/15$

All: 2.073 ± 137.526 $\chi^2/\text{NDF}: 45.1/30$

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 663.536+/-0.137 χ^2/NDF :256911.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 661.665+/-0.138 χ^2/NDF :352339.6/14

Left: 662.603+/-0.097 χ^2/NDF : 609343.2/30

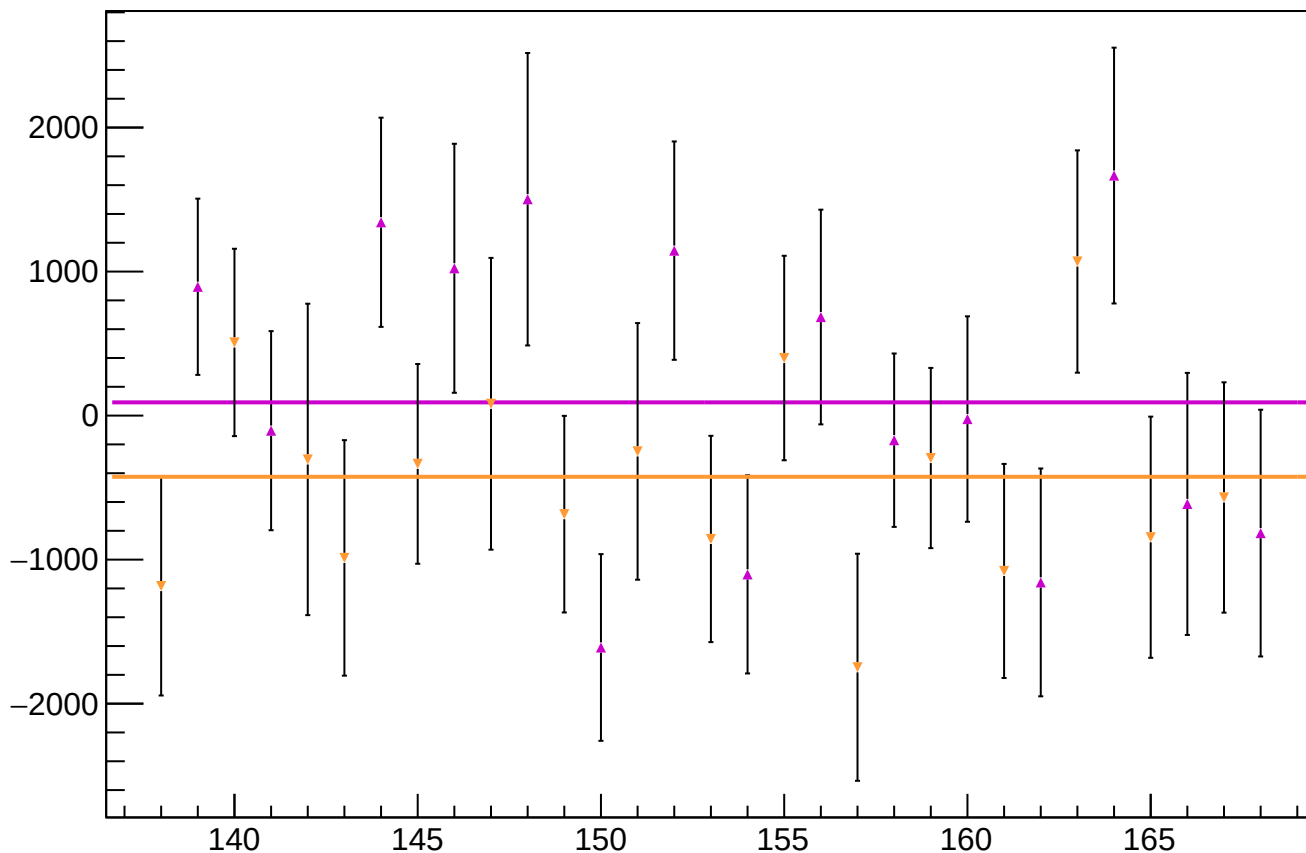
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 661.665+/-0.138 χ^2/NDF :352339.6/14

Out: 663.536+/-0.137 χ^2/NDF :256911.1/15

All: 662.603+/-0.097 χ^2/NDF : 609343.2/30

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -424.884+/-190.746 χ^2/NDF :13.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 91.881+/-191.859 χ^2/NDF :27.9/14

Left: -168.004+/-135.270 χ^2/NDF : 44.9/30

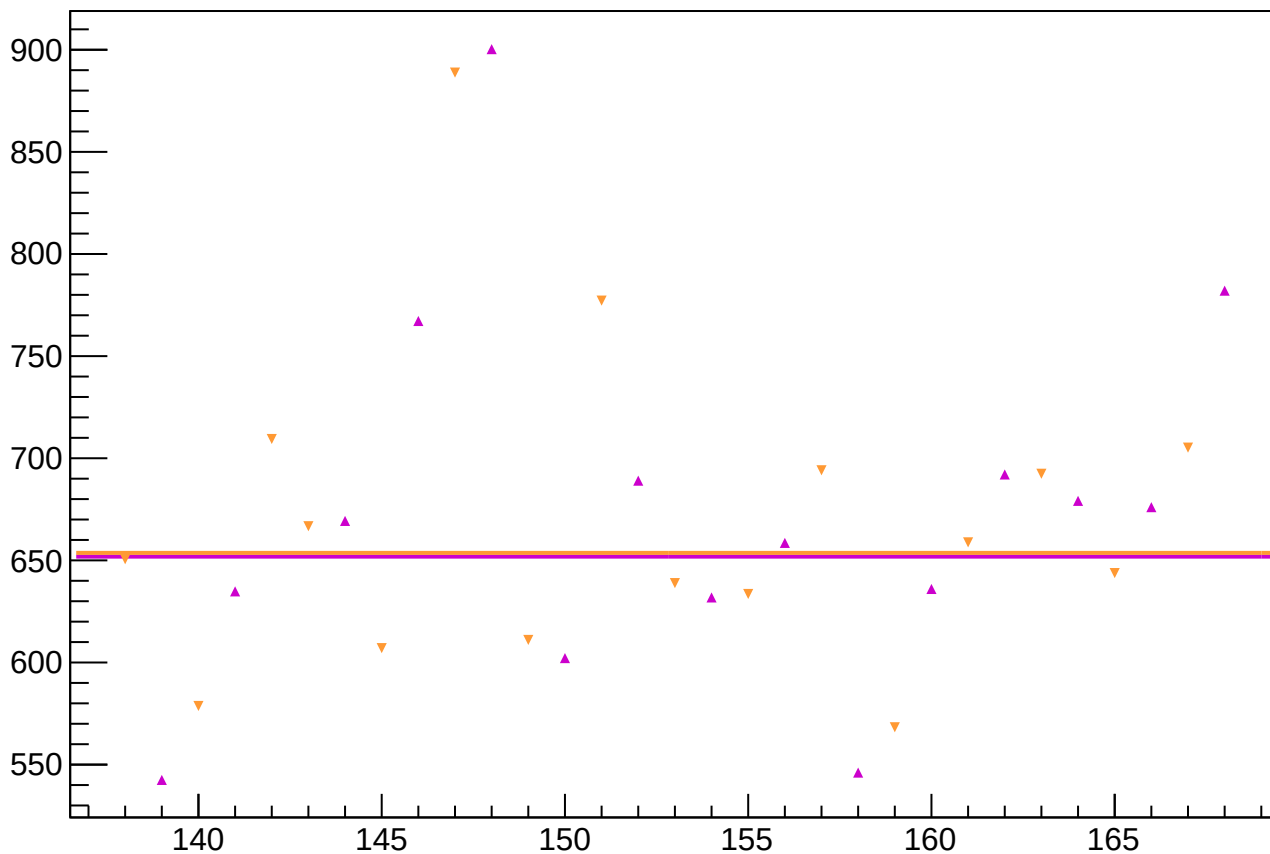
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 91.881+/-191.859 χ^2/NDF :27.9/14

Out: -424.884+/-190.746 χ^2/NDF :13.4/15

All: -168.004+/-135.270 χ^2/NDF : 44.9/30

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 653.672+/-0.135 χ^2/NDF :254175.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 651.838+/-0.136 χ^2/NDF :357454.0/14

Left: 652.760+/-0.096 χ^2/NDF : 611721.7/30

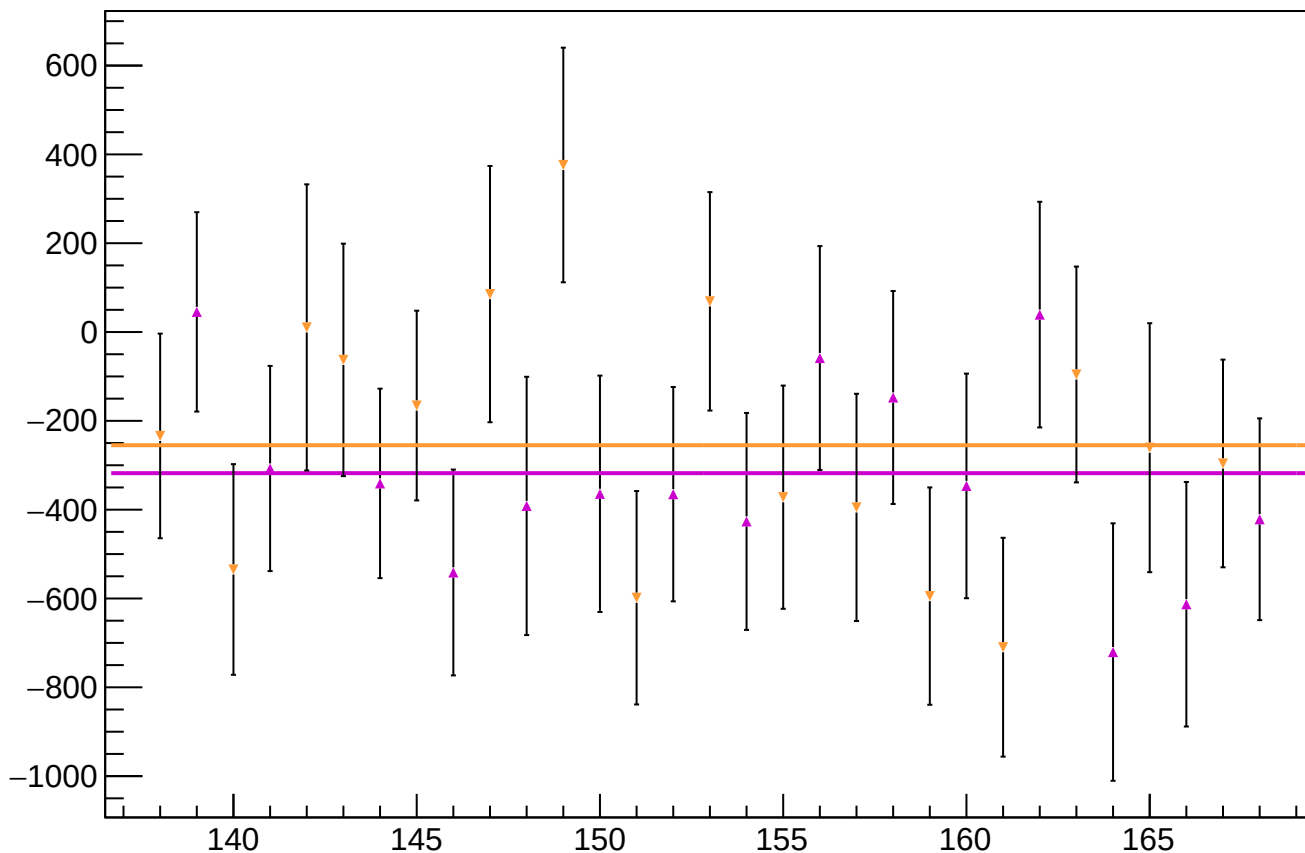
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 651.838+/-0.136 χ^2/NDF :357454.0/14

Out: 653.672+/-0.135 χ^2/NDF :254175.7/15

All: 652.760+/-0.096 χ^2/NDF : 611721.7/30

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -254.894 $\pm$ 62.599 χ^2 /NDF:20.0/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -317.786 $\pm$ 63.528 χ^2 /NDF:10.7/14

Left: -285.877 $\pm$ 44.589 χ^2 /NDF: 31.2/30

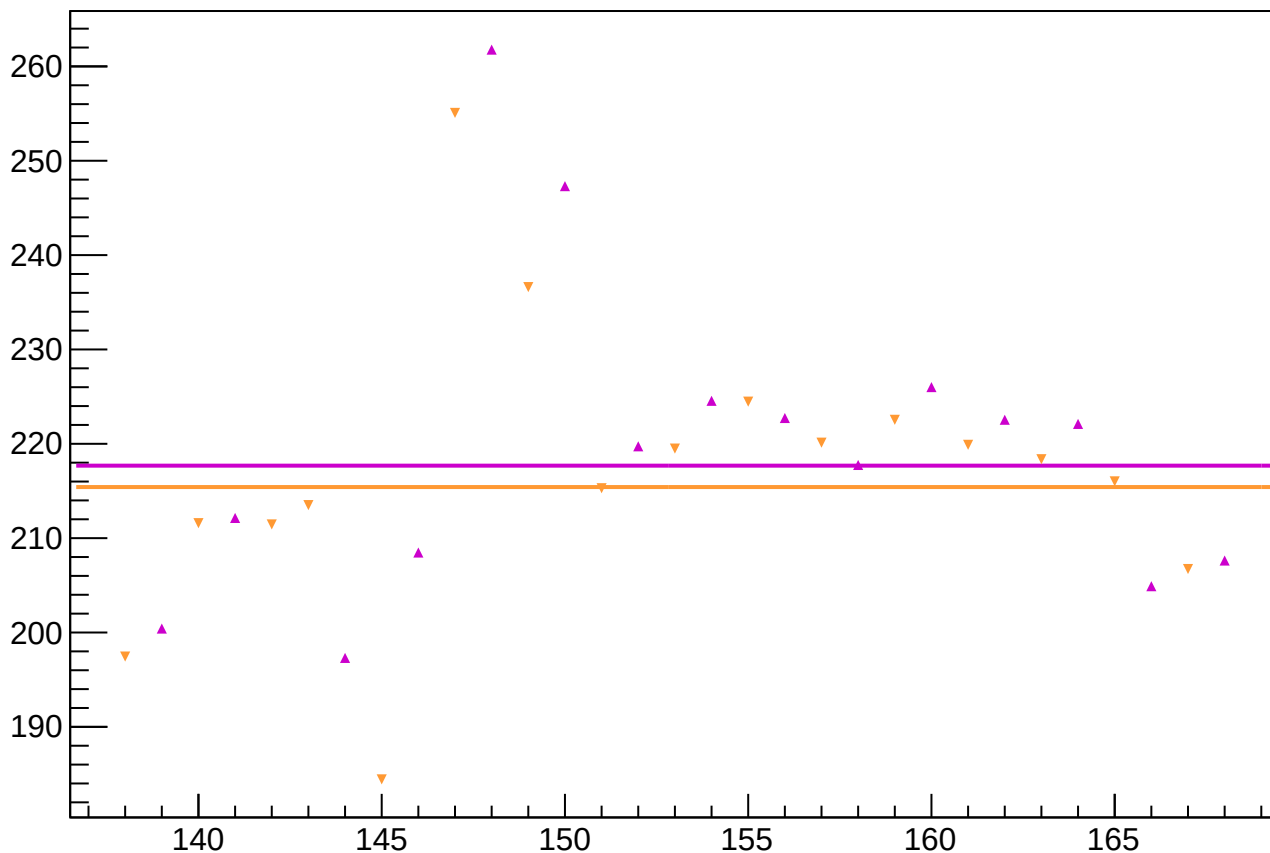
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -317.786 $\pm$ 63.528 χ^2 /NDF:10.7/14

Out: -254.894 $\pm$ 62.599 χ^2 /NDF:20.0/15

All: -285.877 $\pm$ 44.589 χ^2 /NDF: 31.2/30

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 215.416+/-0.044 χ^2/NDF :115071.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 217.685+/-0.045 χ^2/NDF :119282.1/14

Left: 216.534+/-0.032 χ^2/NDF : 235647.9/30

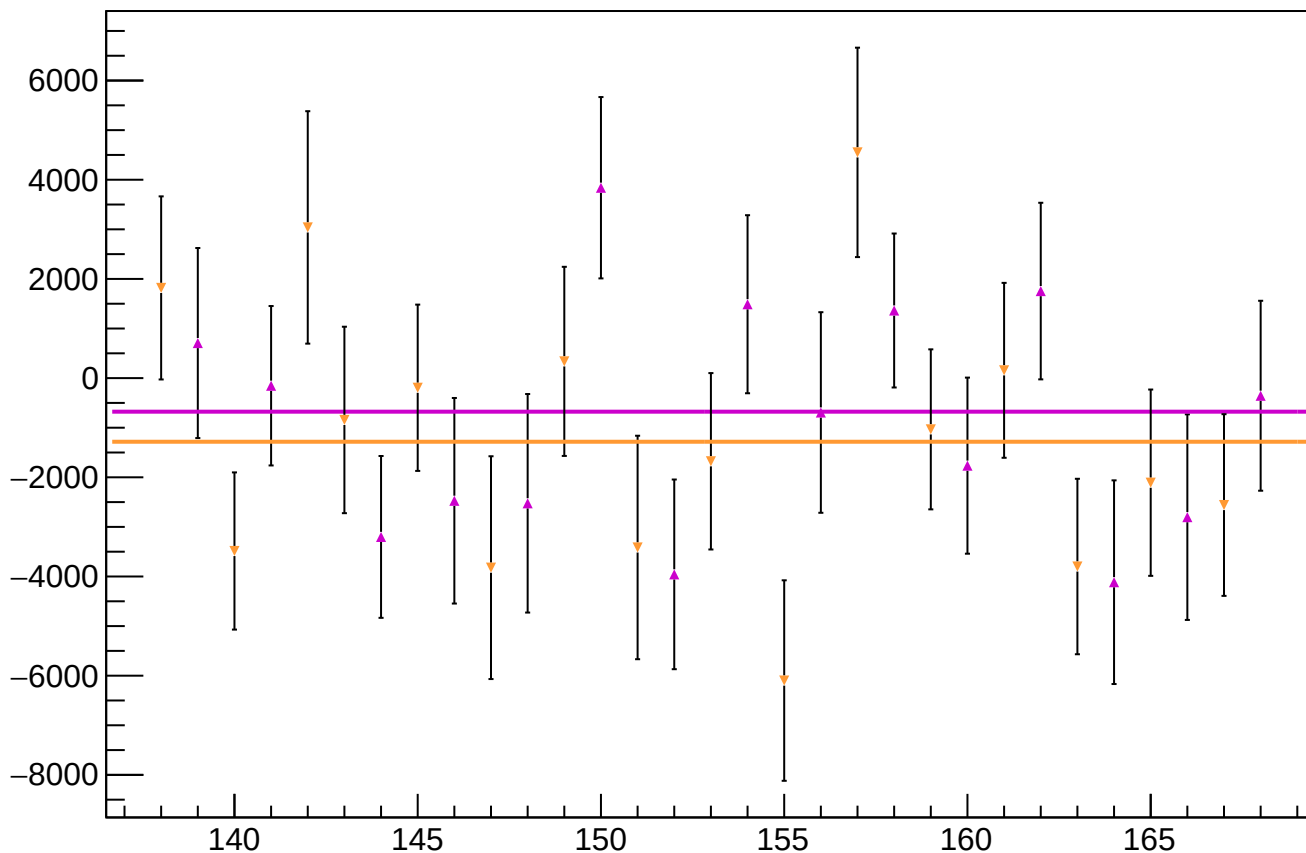
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 217.685+/-0.045 χ^2/NDF :119282.1/14

Out: 215.416+/-0.044 χ^2/NDF :115071.9/15

All: 216.534+/-0.032 χ^2/NDF : 235647.9/30

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1282.844+/-467.523 χ^2/NDF :28.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -676.732+/-477.170 χ^2/NDF :22.8/14

Left: -985.977+/-333.947 χ^2/NDF : 51.9/30

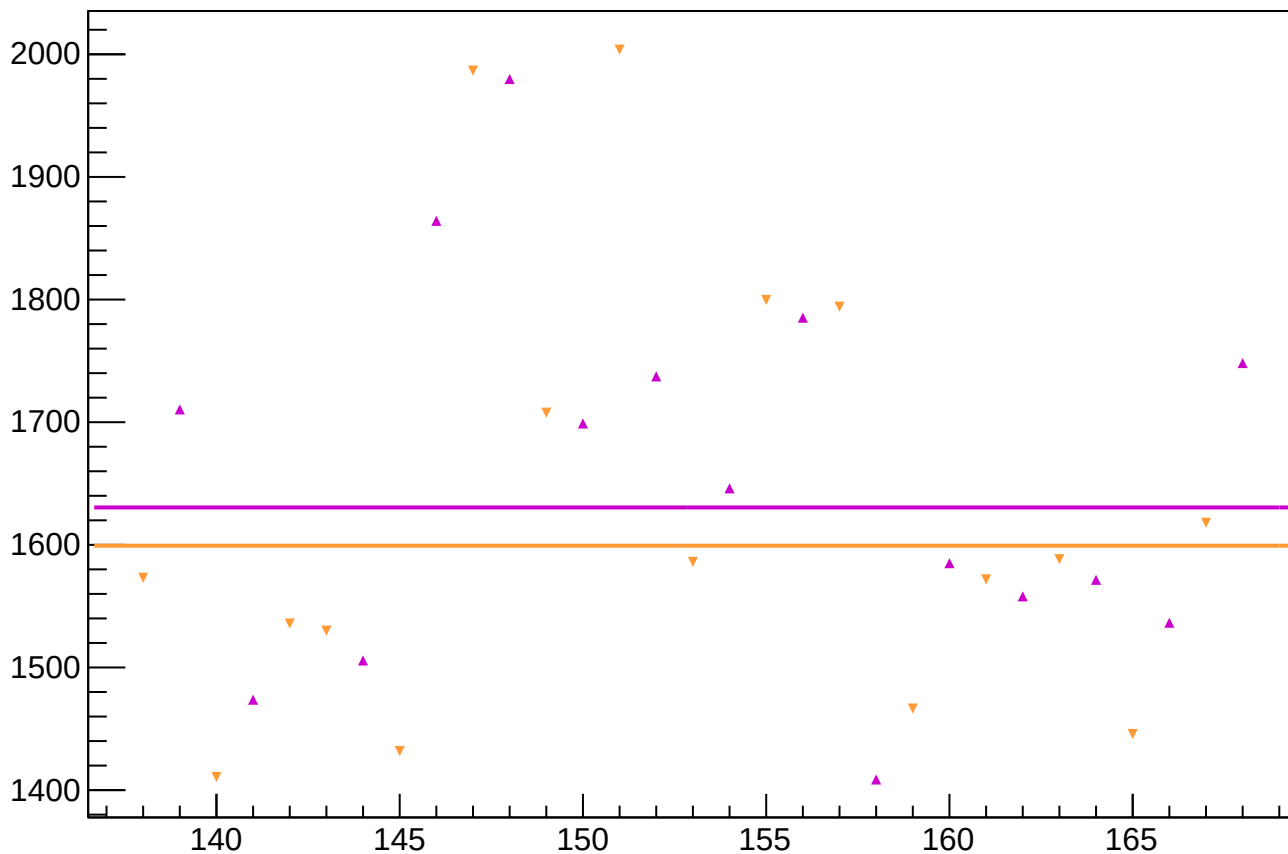
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -676.732+/-477.170 χ^2/NDF :22.8/14

Out: -1282.844+/-467.523 χ^2/NDF :28.3/15

All: -985.977+/-333.947 χ^2/NDF : 51.9/30

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1599.320+/-0.331 χ^2/NDF :247802.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1630.481+/-0.337 χ^2/NDF :189625.7/14

Left: 1614.582+/-0.236 χ^2/NDF : 441780.3/30

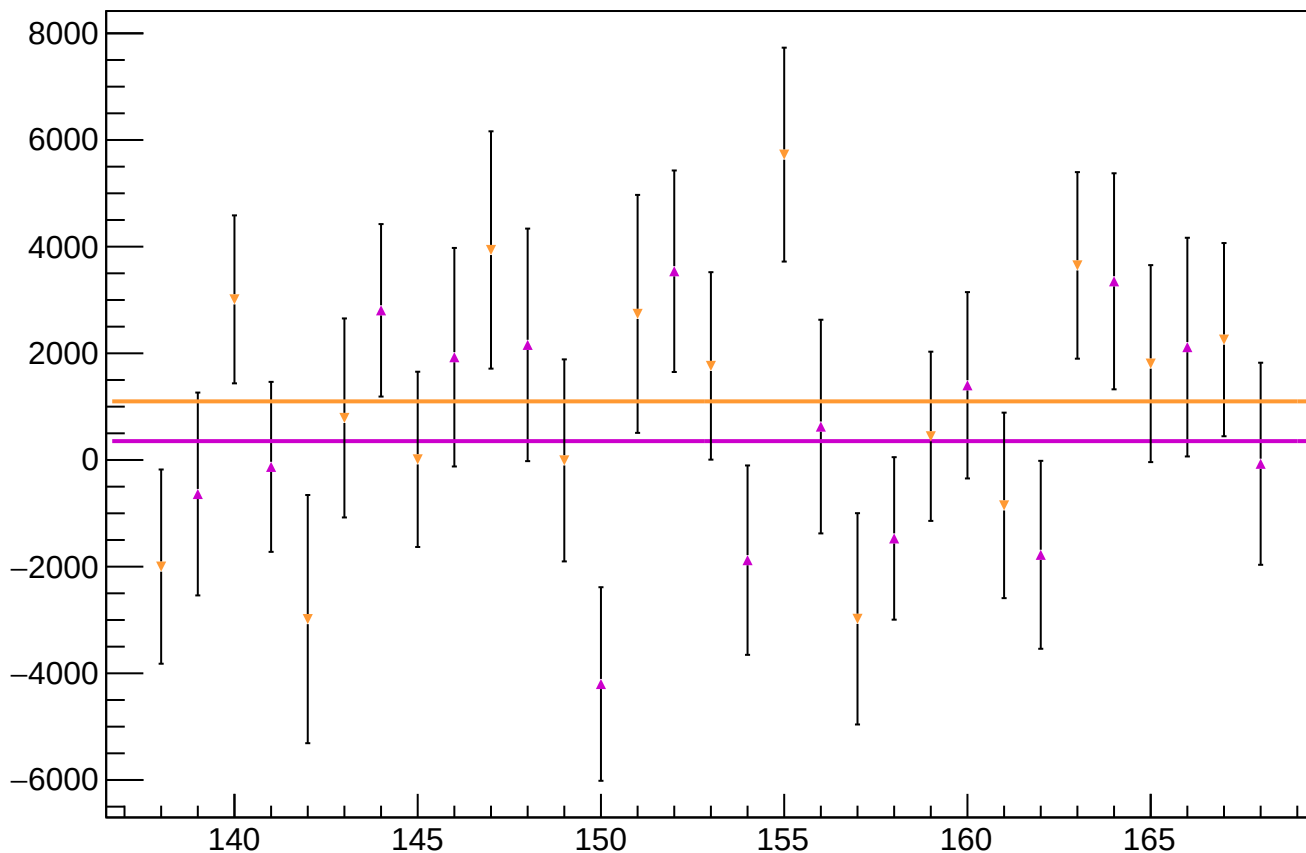
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1630.481+/-0.337 χ^2/NDF :189625.7/14

Out: 1599.320+/-0.331 χ^2/NDF :247802.9/15

All: 1614.582+/-0.236 χ^2/NDF : 441780.3/30

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1099.135+/-460.828 χ^2/NDF :24.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 353.668+/-471.807 χ^2/NDF :20.9/14

Left: 735.176+/-329.668 χ^2/NDF : 46.4/30

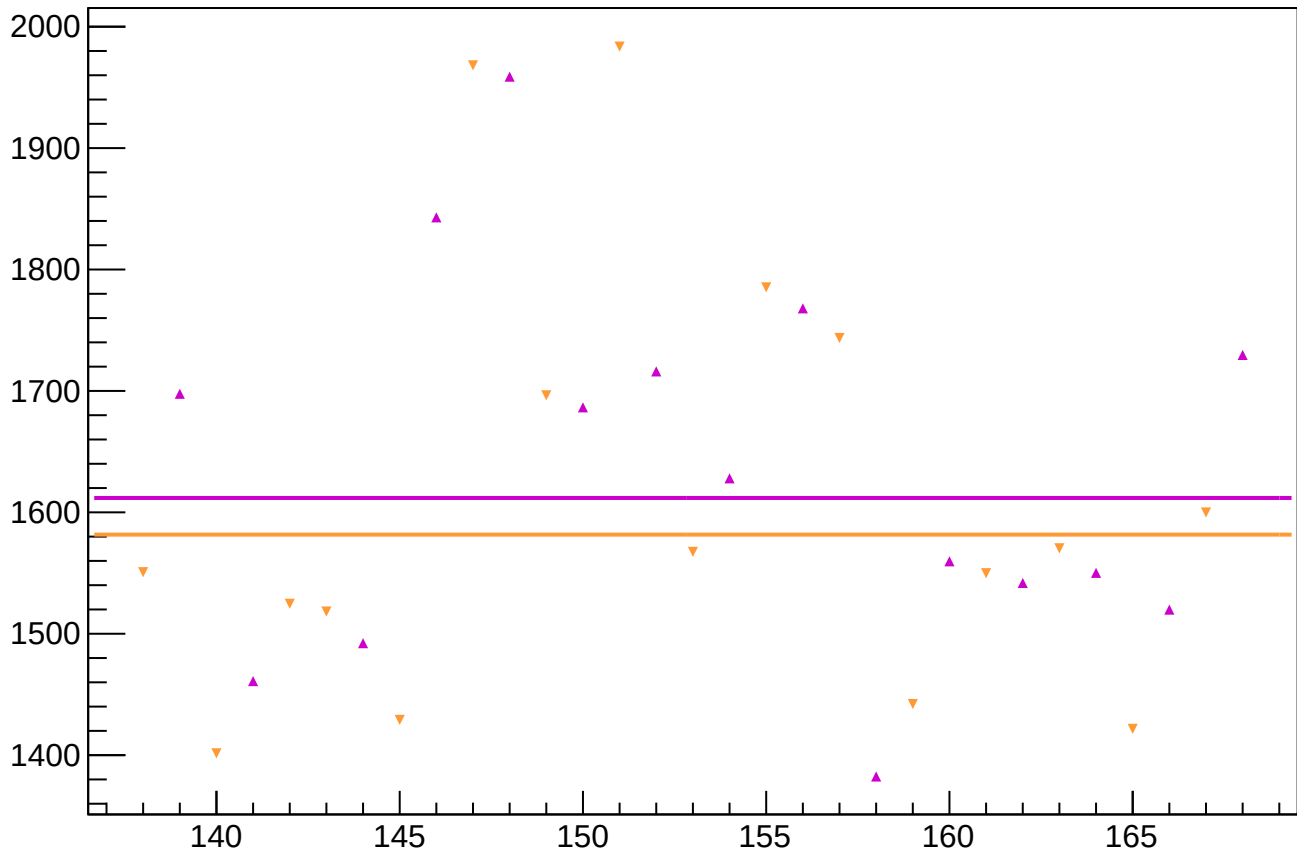
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 353.668+/-471.807 χ^2/NDF :20.9/14

Out: 1099.135+/-460.828 χ^2/NDF :24.2/15

All: 735.176+/-329.668 χ^2/NDF : 46.4/30

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1581.639+/-0.326 χ^2/NDF :245674.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1611.842+/-0.334 χ^2/NDF :194765.8/14

Left: 1596.385+/-0.233 χ^2/NDF : 444634.6/30

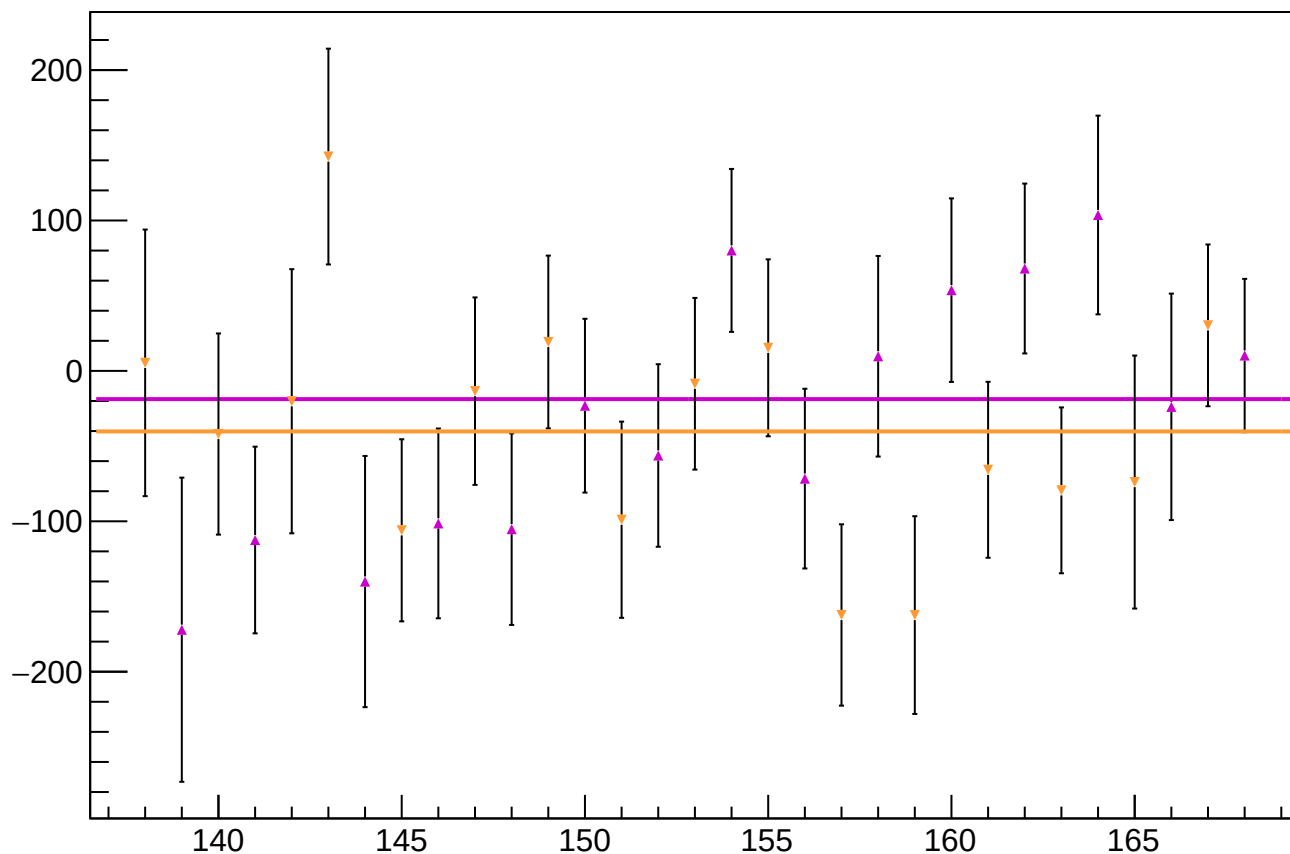
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1611.842+/-0.334 χ^2/NDF :194765.8/14

Out: 1581.639+/-0.326 χ^2/NDF :245674.4/15

All: 1596.385+/-0.233 χ^2/NDF : 444634.6/30

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -40.263 $\pm$ 15.902 χ^2 /NDF:21.4/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -18.760 $\pm$ 16.247 χ^2 /NDF:22.5/14

Left: -29.742 $\pm$ 11.364 χ^2 /NDF: 44.7/30

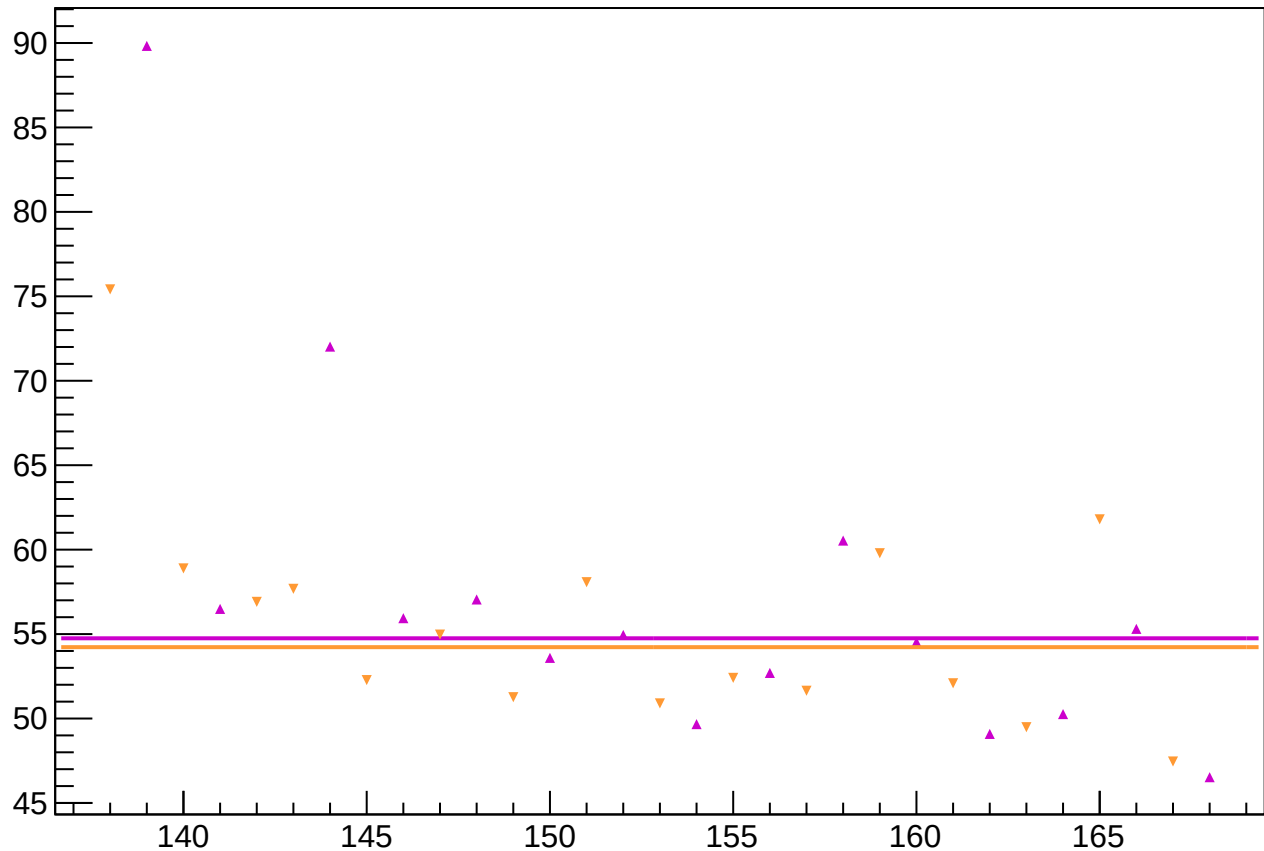
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -18.760 $\pm$ 16.247 χ^2 /NDF:22.5/14

Out: -40.263 $\pm$ 15.902 χ^2 /NDF:21.4/15

All: -29.742 $\pm$ 11.364 χ^2 /NDF: 44.7/30

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 54.225+/-0.011 χ^2/NDF :237217.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 54.751+/-0.011 χ^2/NDF :448549.6/14

Left: 54.482+/-0.008 χ^2/NDF : 686834.9/30

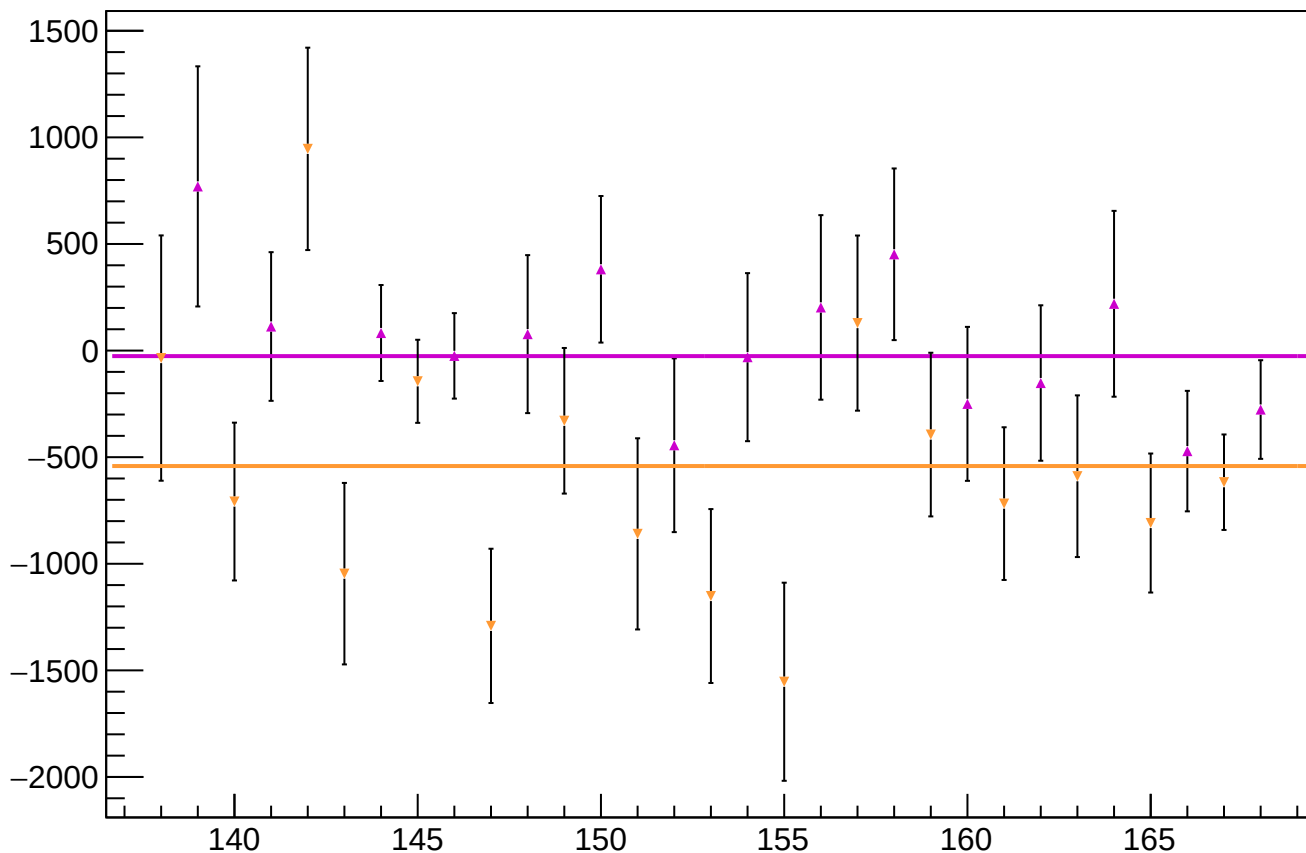
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 54.751+/-0.011 χ^2/NDF :448549.6/14

Out: 54.225+/-0.011 χ^2/NDF :237217.7/15

All: 54.482+/-0.008 χ^2/NDF : 686834.9/30

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -541.603+/-85.984 χ^2/NDF :32.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -25.974+/-82.373 χ^2/NDF :11.1/14

Left: -272.737+/-59.482 χ^2/NDF : 62.2/30

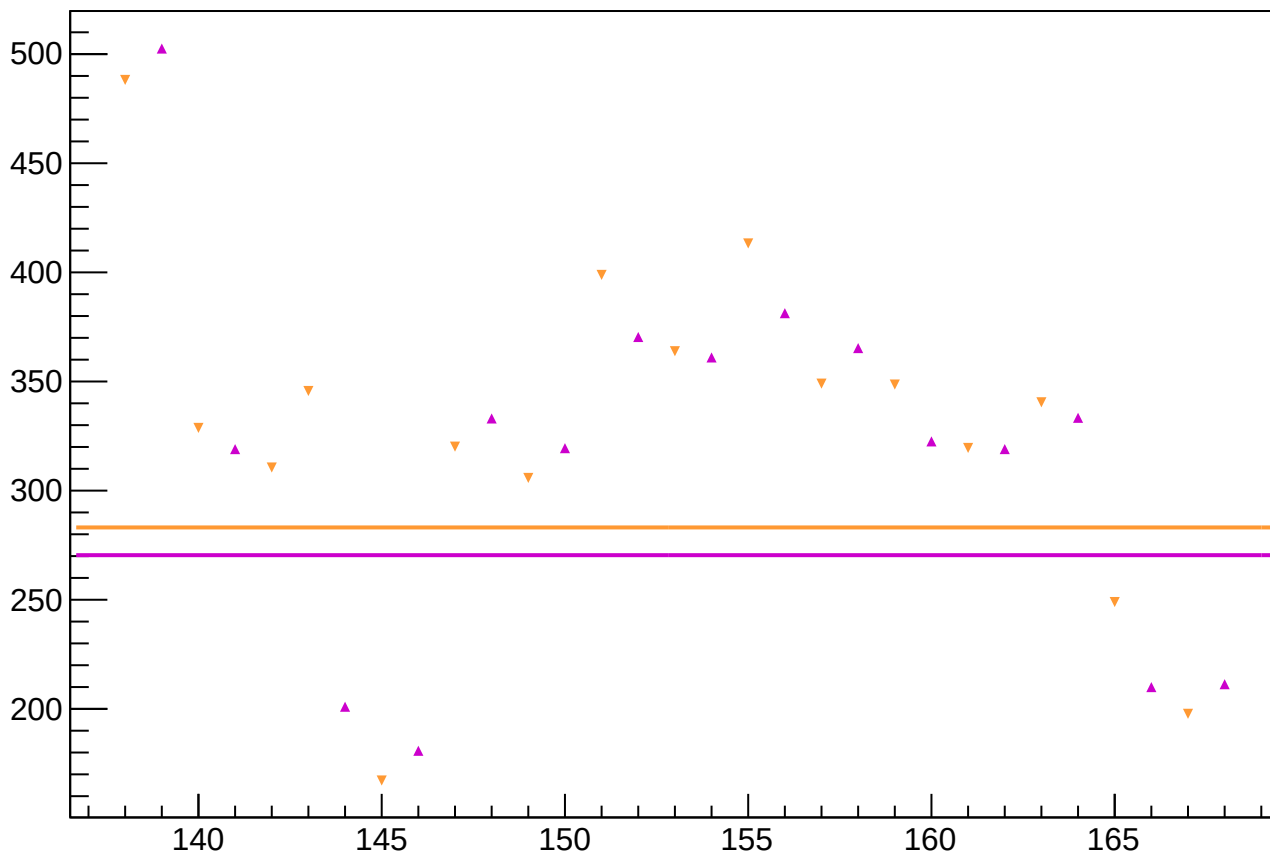
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -25.974+/-82.373 χ^2/NDF :11.1/14

Out: -541.603+/-85.984 χ^2/NDF :32.4/15

All: -272.737+/-59.482 χ^2/NDF : 62.2/30

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 283.131+/-0.061 χ^2/NDF :1929468.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 270.426+/-0.058 χ^2/NDF :1875869.2/14

Left: 276.506+/-0.042 χ^2/NDF : 3828105.3/30

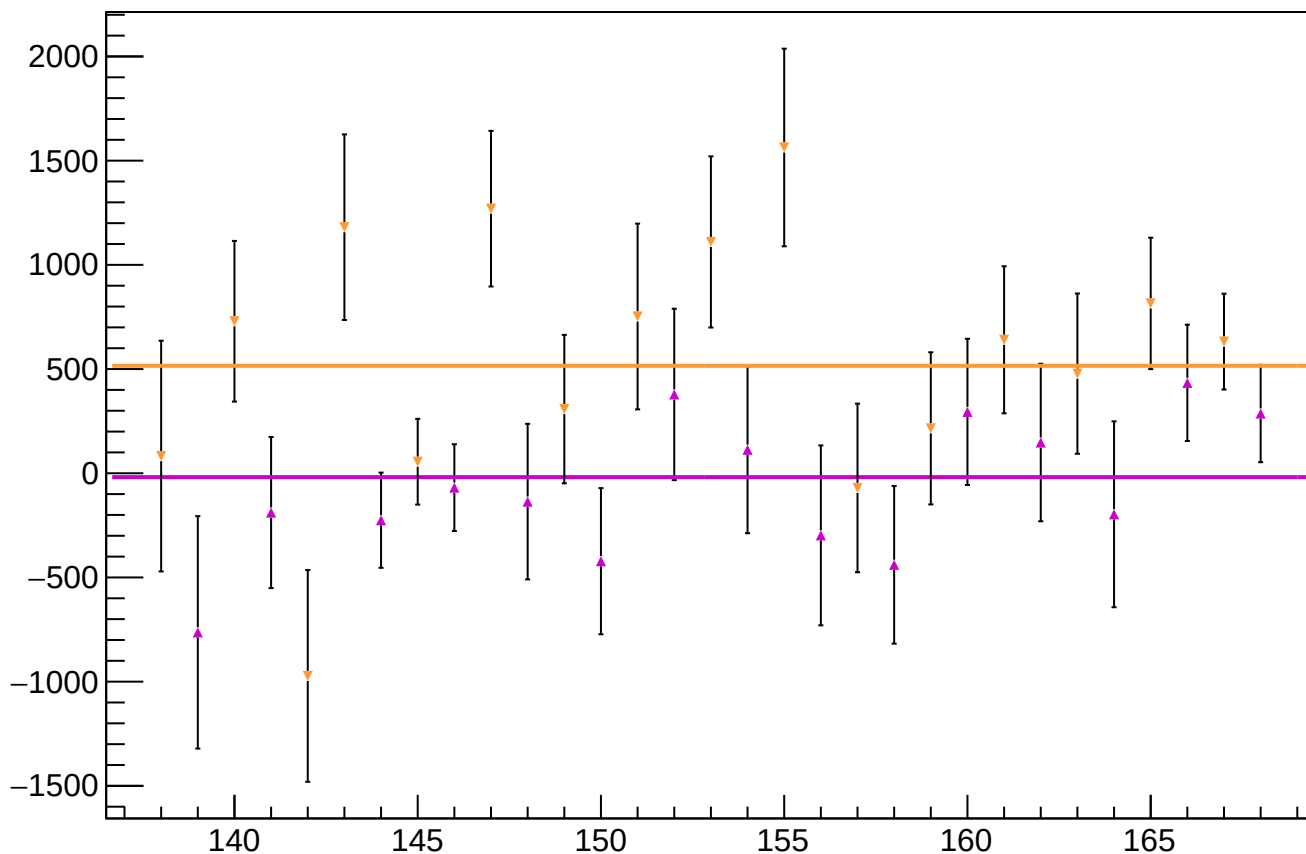
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 270.426+/-0.058 χ^2/NDF :1875869.2/14

Out: 283.131+/-0.061 χ^2/NDF :1929468.7/15

All: 276.506+/-0.042 χ^2/NDF : 3828105.3/30

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 515.580 ± 87.574 $\chi^2/\text{NDF}: 32.5/15$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -18.551 ± 83.283 $\chi^2/\text{NDF}: 12.5/14$

Left: 235.110 ± 60.350 $\chi^2/\text{NDF}: 64.5/30$

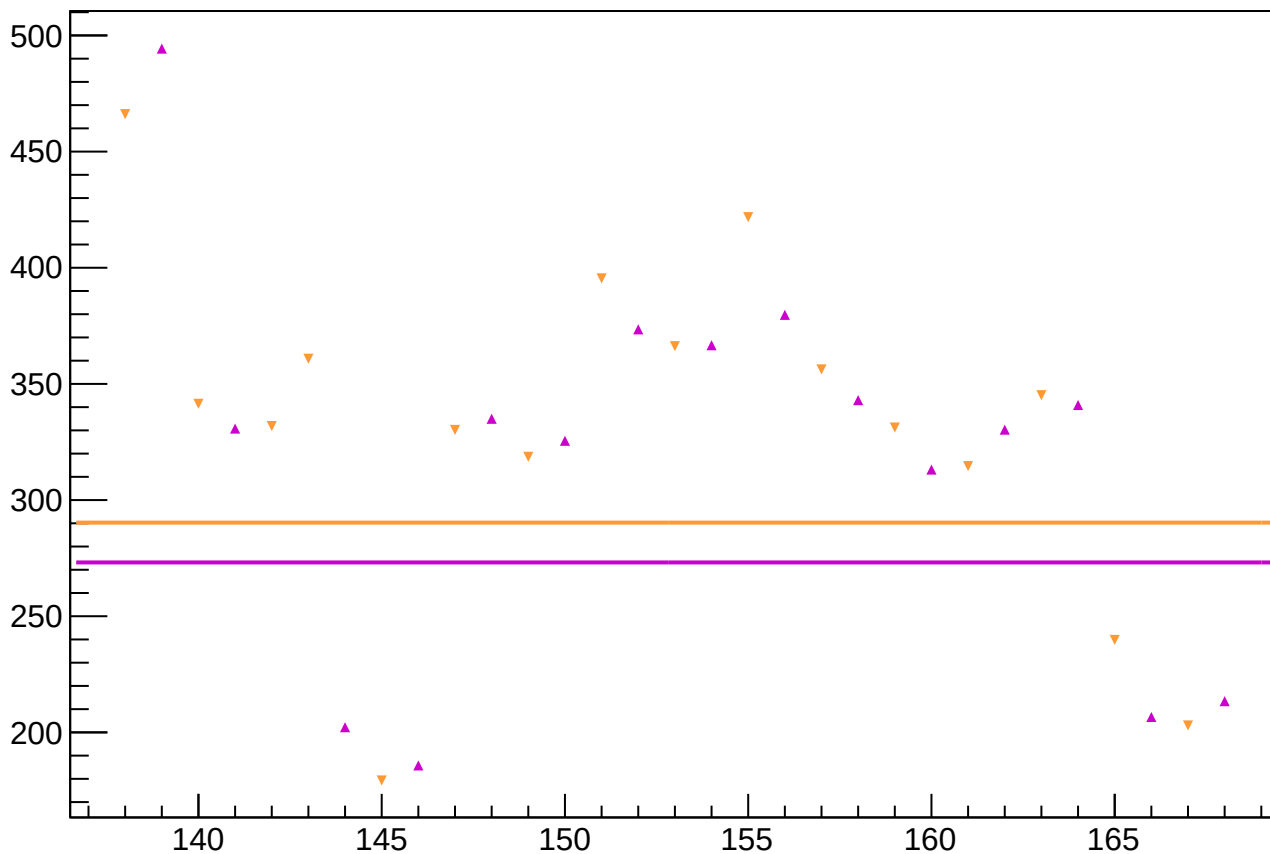
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -18.551 ± 83.283 $\chi^2/\text{NDF}: 12.5/14$

Out: 515.580 ± 87.574 $\chi^2/\text{NDF}: 32.5/15$

All: 235.110 ± 60.350 $\chi^2/\text{NDF}: 64.5/30$

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 290.302+/-0.062 χ^2/NDF :1720113.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 273.154+/-0.059 χ^2/NDF :1789930.7/14

Left: 281.298+/-0.043 χ^2/NDF : 3550310.7/30

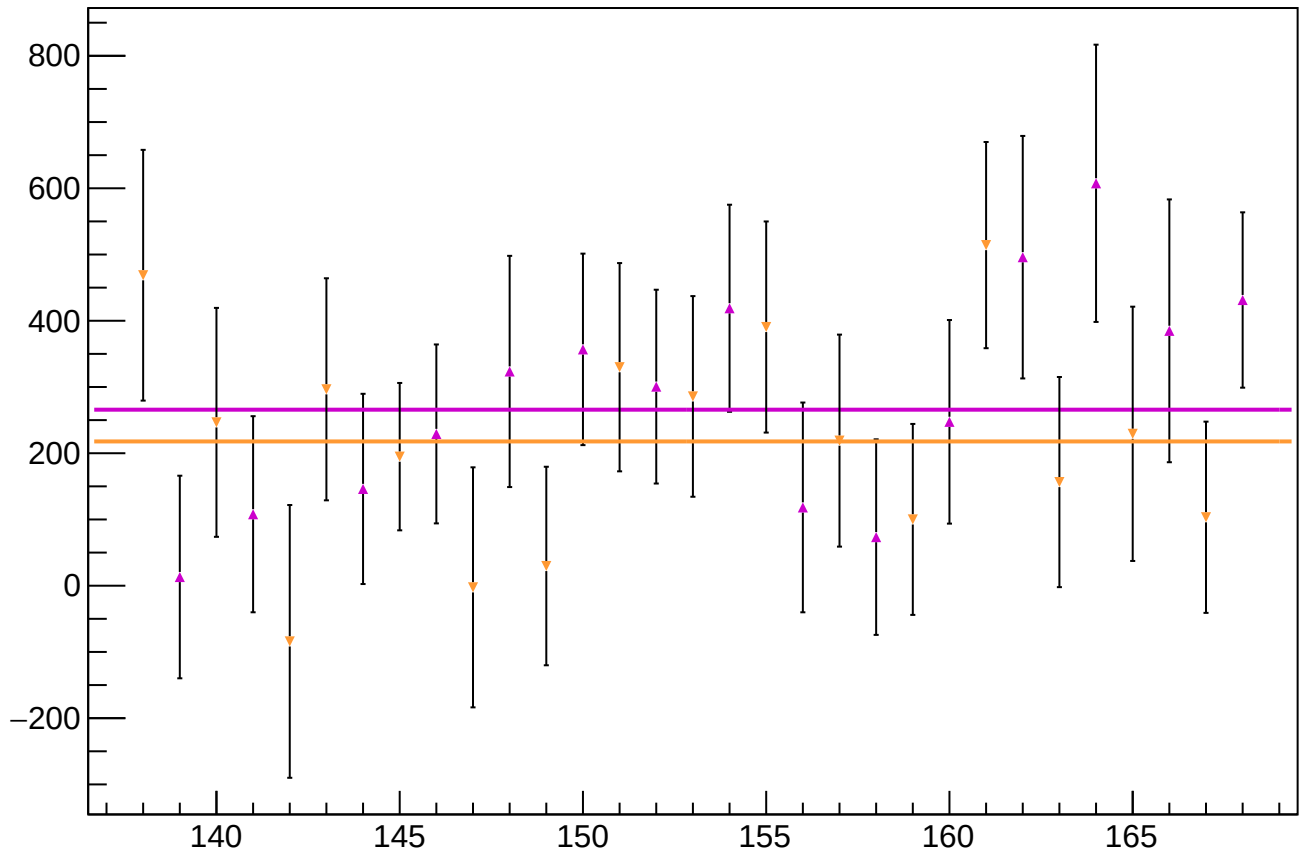
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 273.154+/-0.059 χ^2/NDF :1789930.7/14

Out: 290.302+/-0.062 χ^2/NDF :1720113.1/15

All: 281.298+/-0.043 χ^2/NDF : 3550310.7/30

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 217.818 $\pm$ 39.435 χ^2 /NDF:14.2/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 265.744 $\pm$ 40.055 χ^2 /NDF:14.9/14

Left: 241.407 $\pm$ 28.101 χ^2 /NDF: 29.8/30

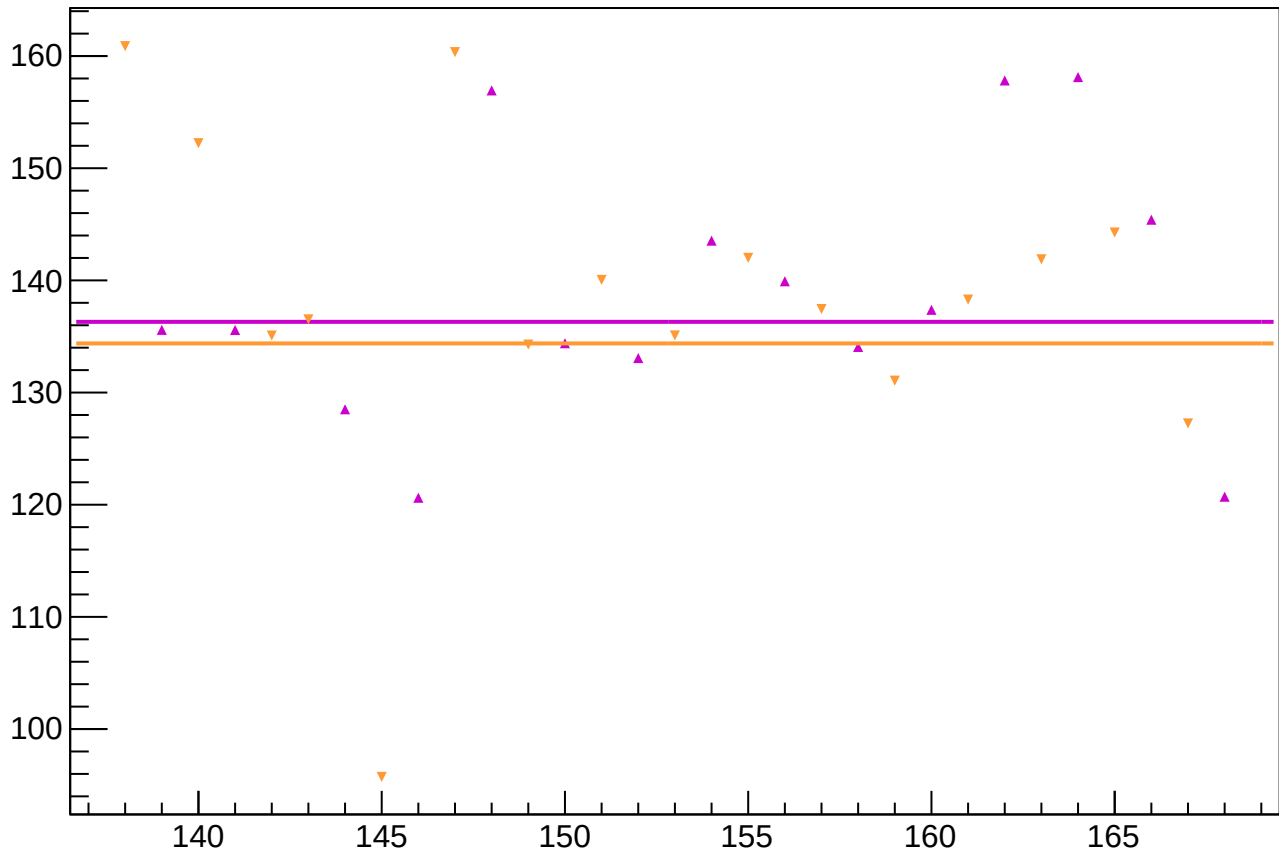
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 265.744 $\pm$ 40.055 χ^2 /NDF:14.9/14

Out: 217.818 $\pm$ 39.435 χ^2 /NDF:14.2/15

All: 241.407 $\pm$ 28.101 χ^2 /NDF: 29.8/30

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 134.380 $\pm$ 0.028 χ^2/NDF :368248.2/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 136.304 $\pm$ 0.028 χ^2/NDF :149440.9/14

Left: 135.327 $\pm$ 0.020 χ^2/NDF : 520032.5/30

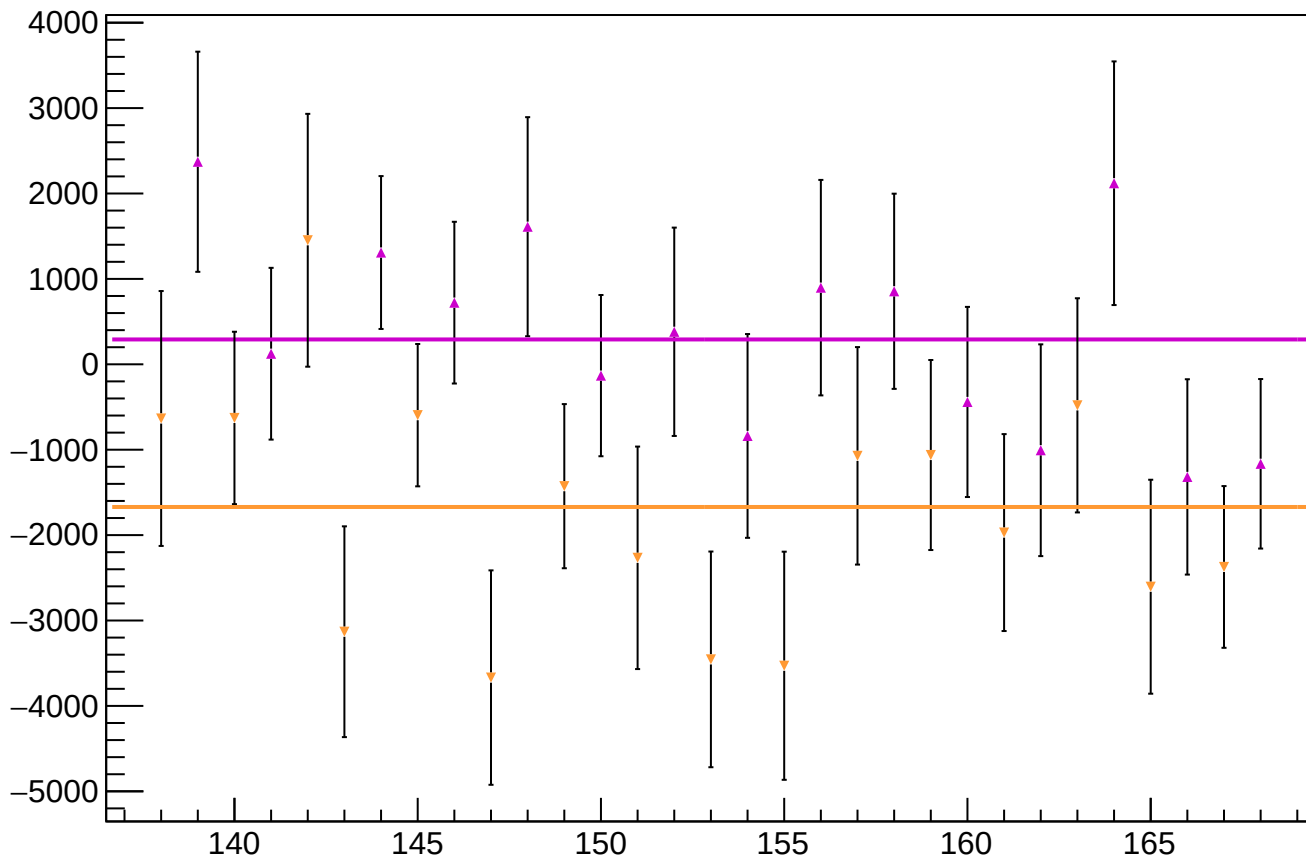
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 136.304 $\pm$ 0.028 χ^2/NDF :149440.9/14

Out: 134.380 $\pm$ 0.028 χ^2/NDF :368248.2/15

All: 135.327 $\pm$ 0.020 χ^2/NDF : 520032.5/30

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1670.635+/-288.158 χ^2/NDF :18.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 291.034+/-286.513 χ^2/NDF :14.1/14

Left: -684.183+/-203.174 χ^2/NDF : 55.8/30

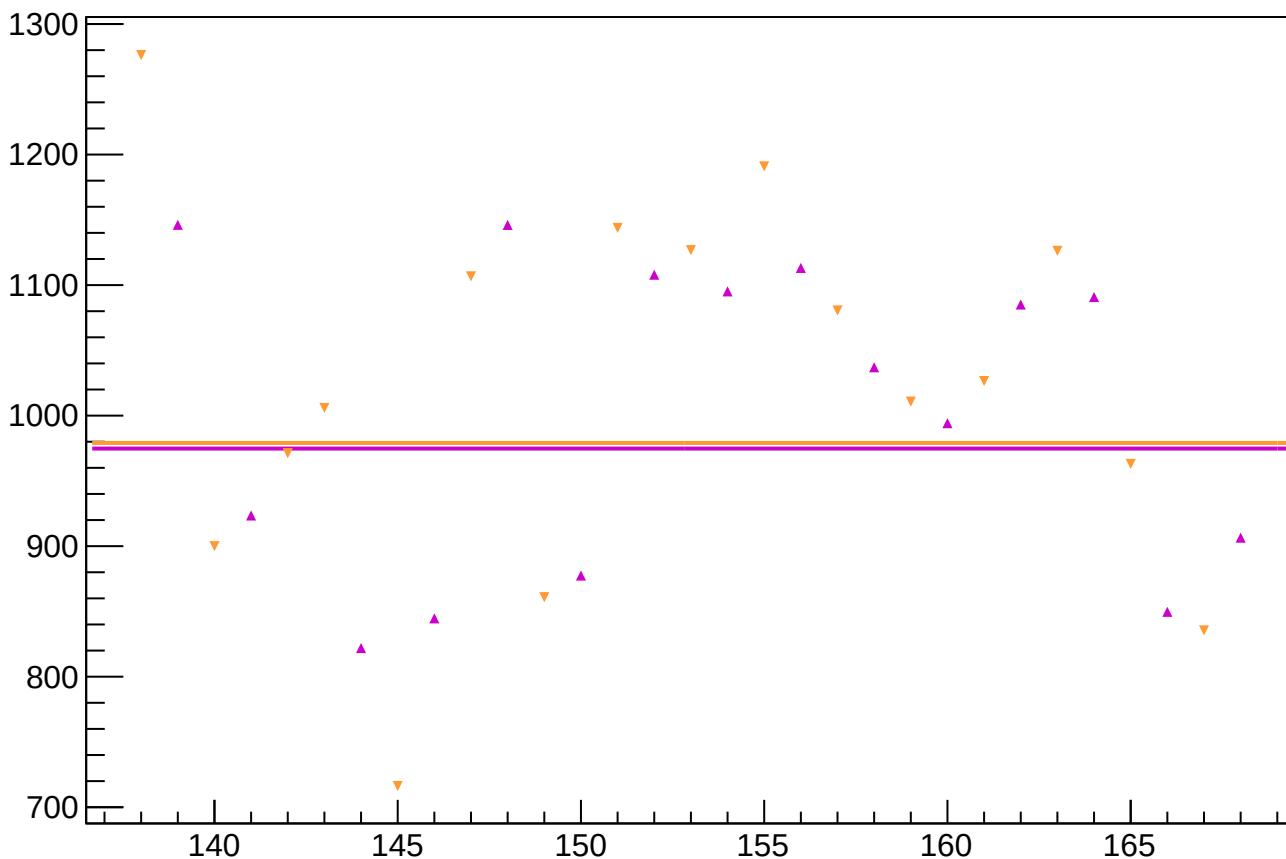
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 291.034+/-286.513 χ^2/NDF :14.1/14

Out: -1670.635+/-288.158 χ^2/NDF :18.4/15

All: -684.183+/-203.174 χ^2/NDF : 55.8/30

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 979.070+/-0.204 χ^2/NDF :543655.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 974.778+/-0.203 χ^2/NDF :330874.9/14

Left: 976.912+/-0.144 χ^2/NDF : 874753.3/30

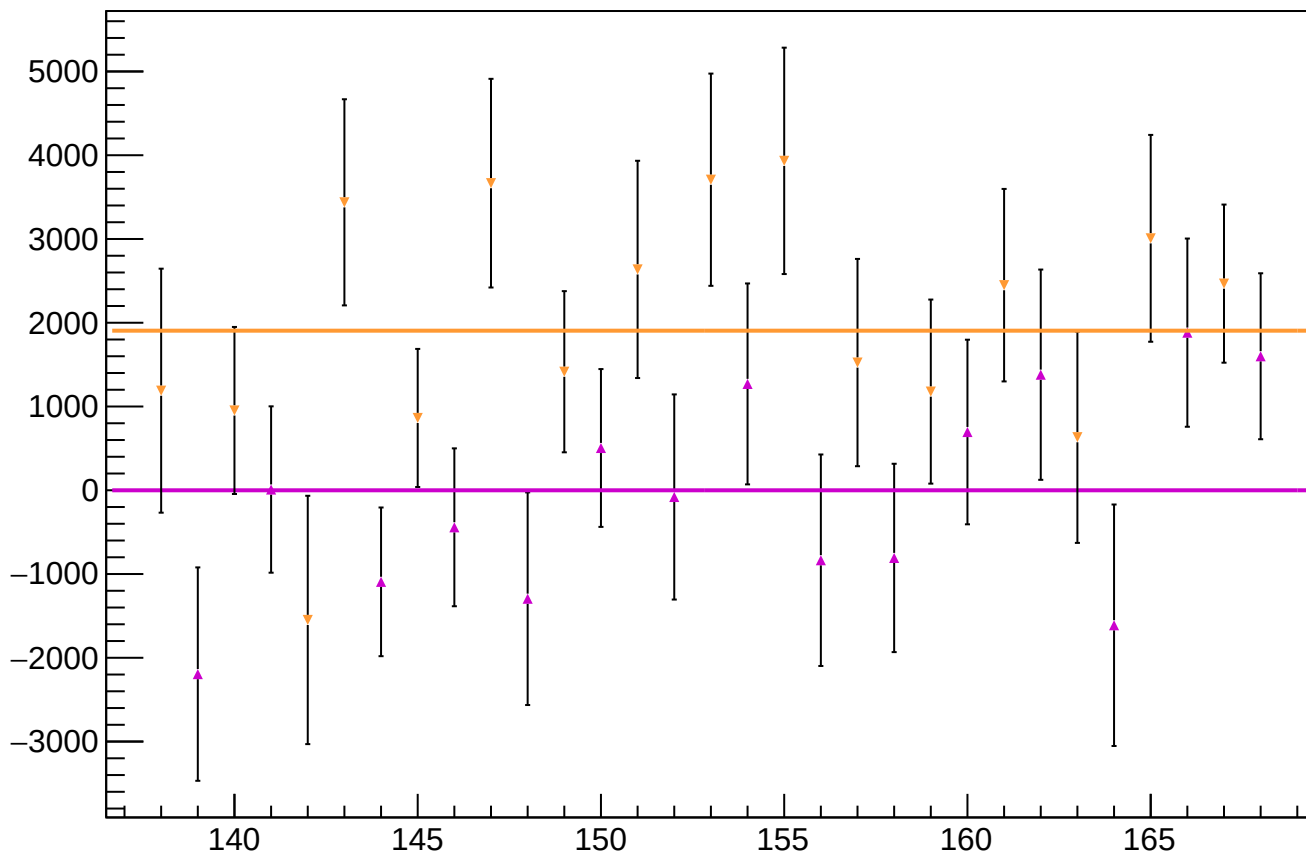
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 974.778+/-0.203 χ^2/NDF :330874.9/14

Out: 979.070+/-0.204 χ^2/NDF :543655.3/15

All: 976.912+/-0.144 χ^2/NDF : 874753.3/30

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1905.304+/-286.315 χ^2/NDF :19.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.354+/-285.094 χ^2/NDF :16.4/14

Left: 948.404+/-202.022 χ^2/NDF : 58.1/30

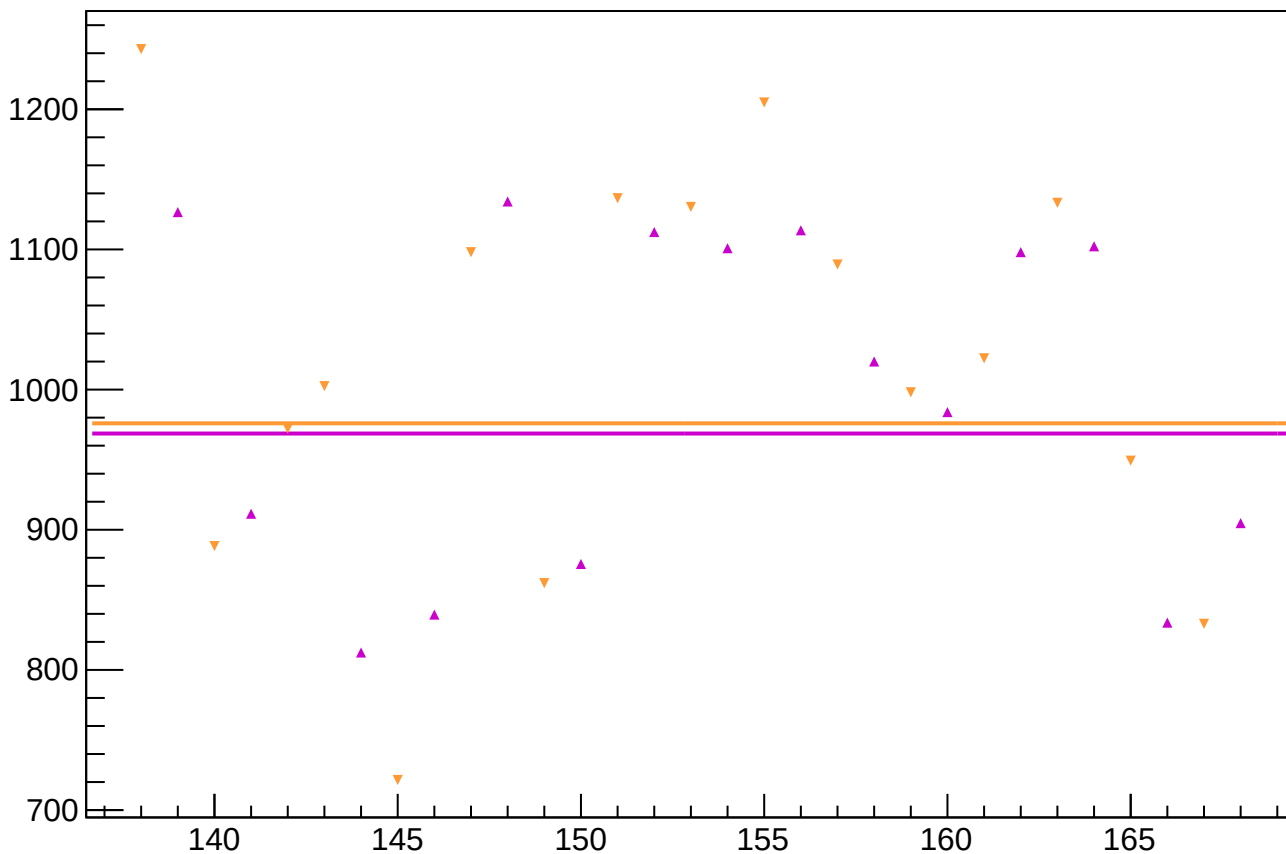
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.354+/-285.094 χ^2/NDF :16.4/14

Out: 1905.304+/-286.315 χ^2/NDF :19.5/15

All: 948.404+/-202.022 χ^2/NDF : 58.1/30

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 975.938+/-0.202 χ^2/NDF : 537977.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 968.654+/-0.202 χ^2/NDF : 348891.4/14

Left: 972.280+/-0.143 χ^2/NDF : 887519.1/30

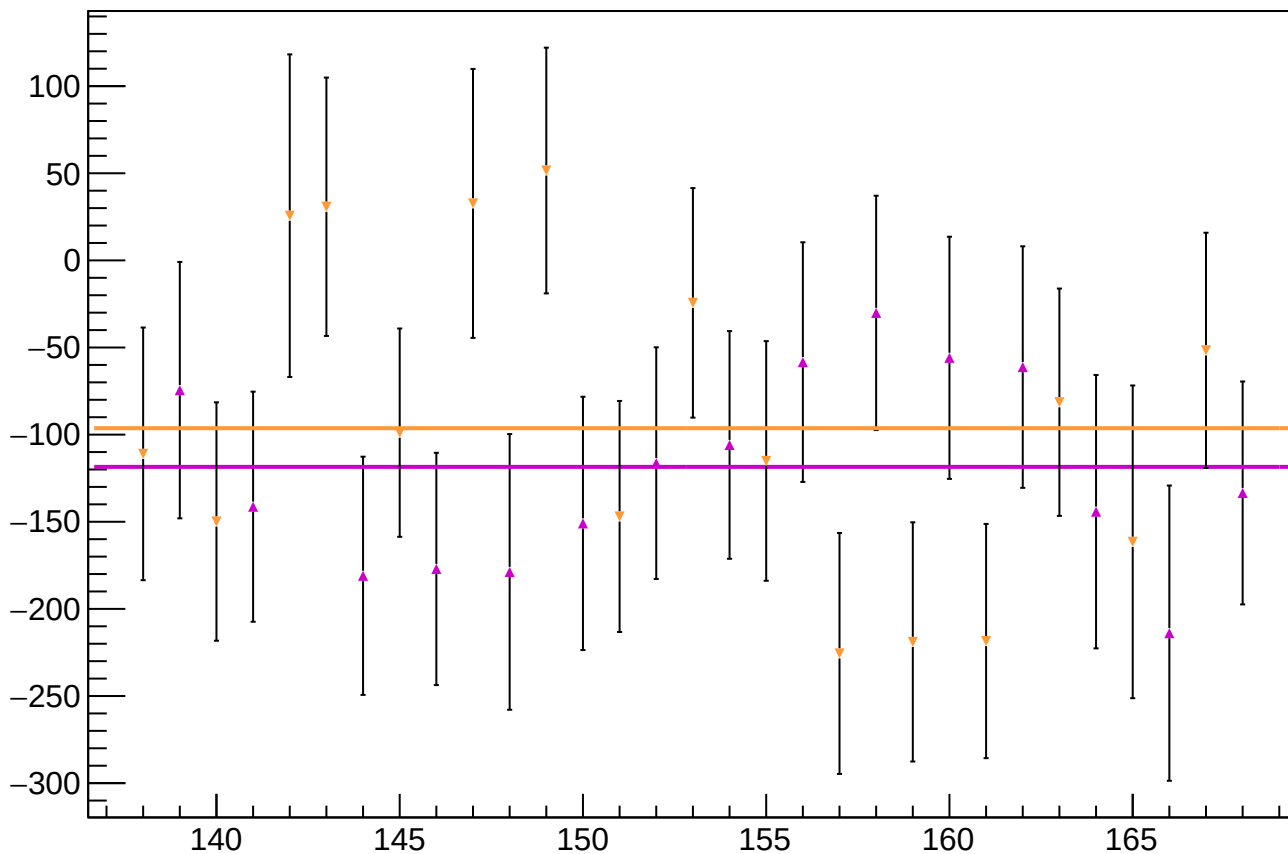
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 968.654+/-0.202 χ^2/NDF : 348891.4/14

Out: 975.938+/-0.202 χ^2/NDF : 537977.8/15

All: 972.280+/-0.143 χ^2/NDF : 887519.1/30

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -96.309+/-17.561 χ^2/NDF : 25.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -118.501+/-18.086 χ^2/NDF : 8.3/14

Left: -107.079+/-12.599 χ^2/NDF : 34.5/30

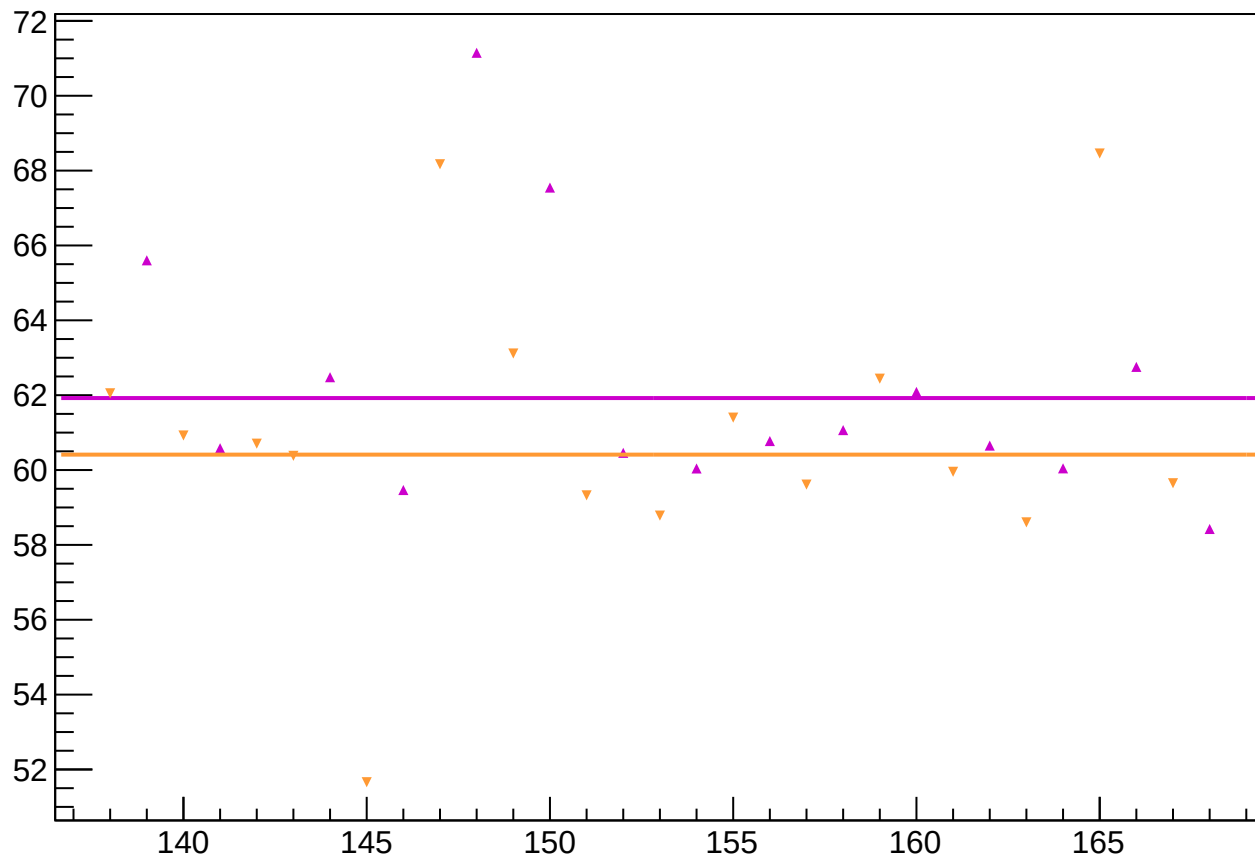
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -118.501+/-18.086 χ^2/NDF : 8.3/14

Out: -96.309+/-17.561 χ^2/NDF : 25.4/15

All: -107.079+/-12.599 χ^2/NDF : 34.5/30

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 60.412+/-0.012 χ^2/NDF :89339.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 61.923+/-0.013 χ^2/NDF :59371.9/14

Left: 61.145+/-0.009 χ^2/NDF : 155899.7/30

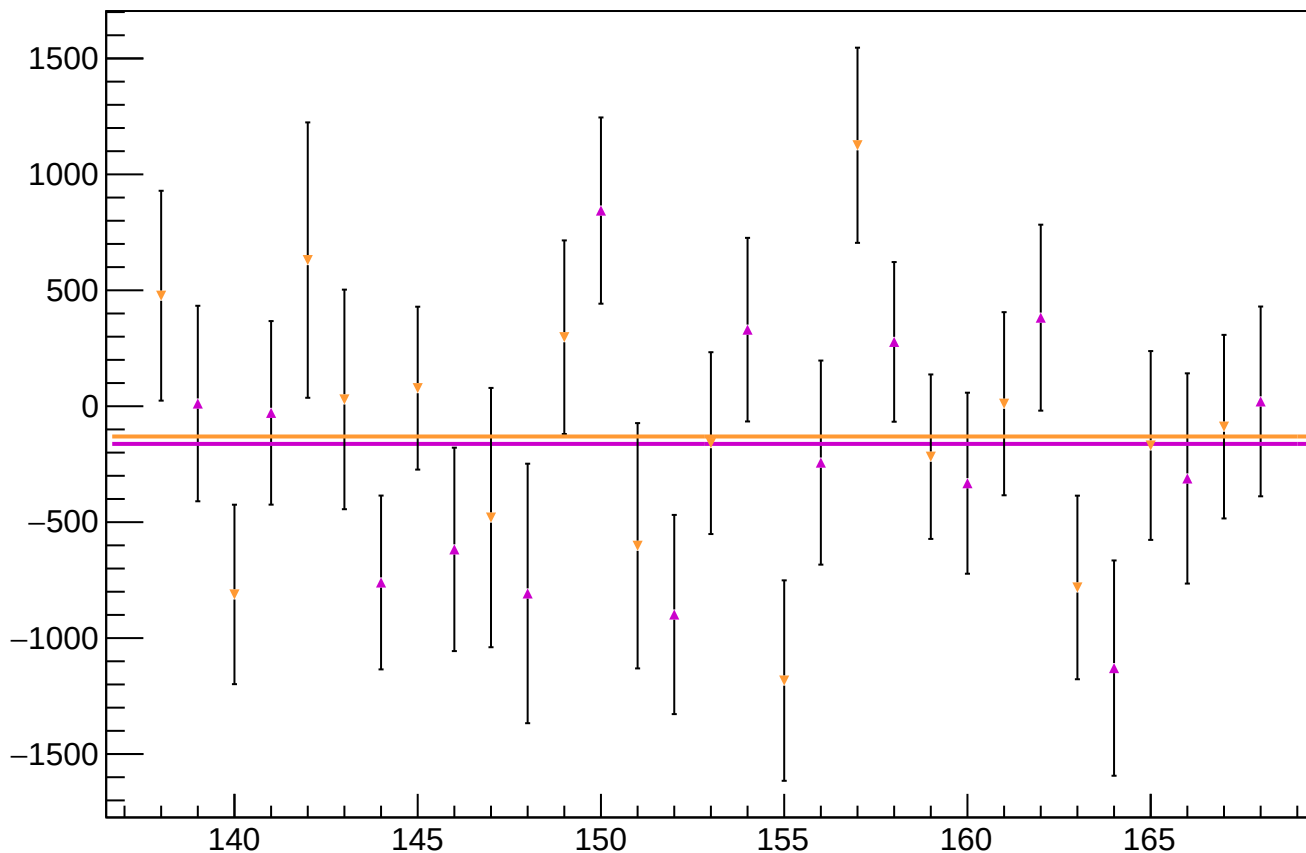
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 61.923+/-0.013 χ^2/NDF :59371.9/14

Out: 60.412+/-0.012 χ^2/NDF :89339.1/15

All: 61.145+/-0.009 χ^2/NDF : 155899.7/30

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -130.510+/-105.338 χ^2/NDF :27.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -162.445+/-106.989 χ^2/NDF :24.3/14

Left: -146.230+/-75.062 χ^2/NDF : 51.4/30

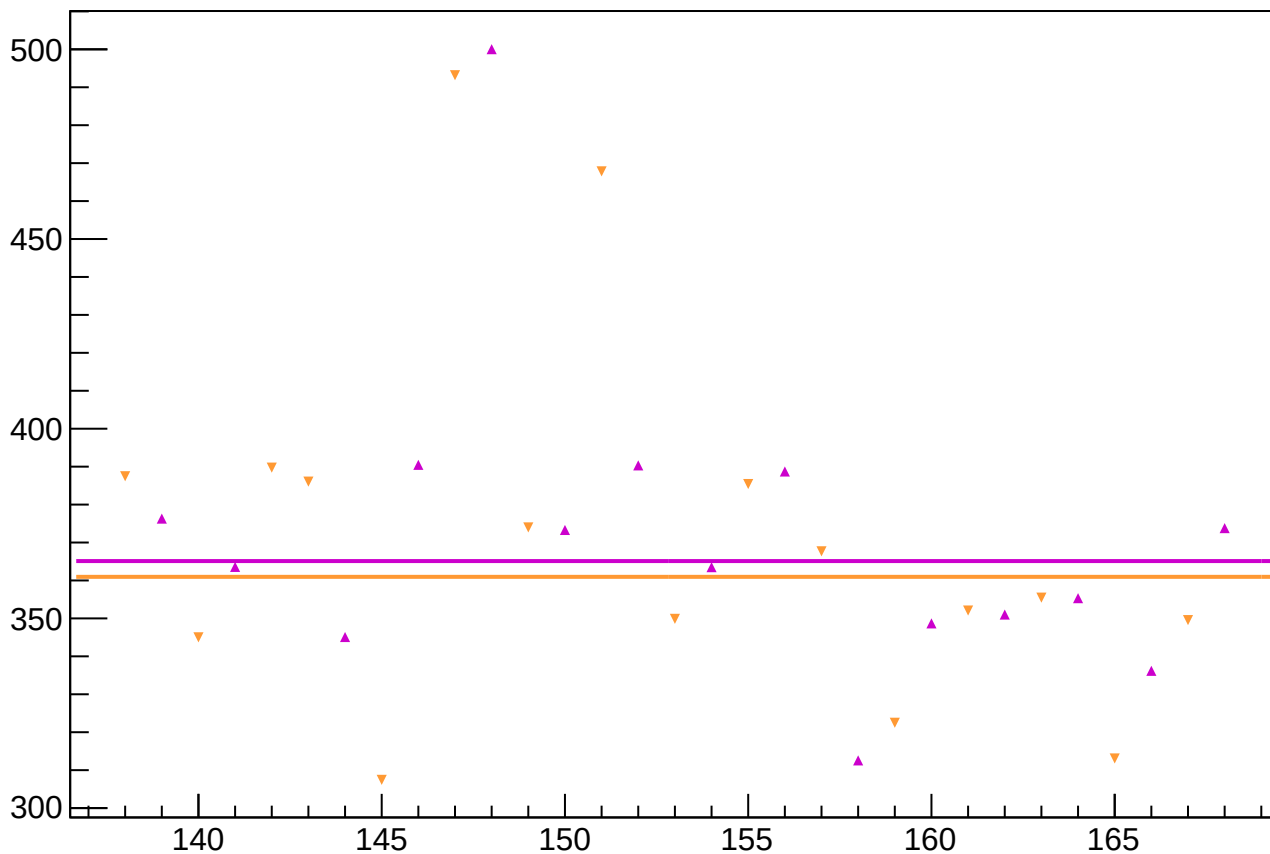
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -162.445+/-106.989 χ^2/NDF :24.3/14

Out: -130.510+/-105.338 χ^2/NDF :27.0/15

All: -146.230+/-75.062 χ^2/NDF : 51.4/30

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 360.956+/-0.074 χ^2/NDF :325113.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 365.111+/-0.076 χ^2/NDF :206120.3/14

Left: 363.001+/-0.053 χ^2/NDF : 532766.0/30

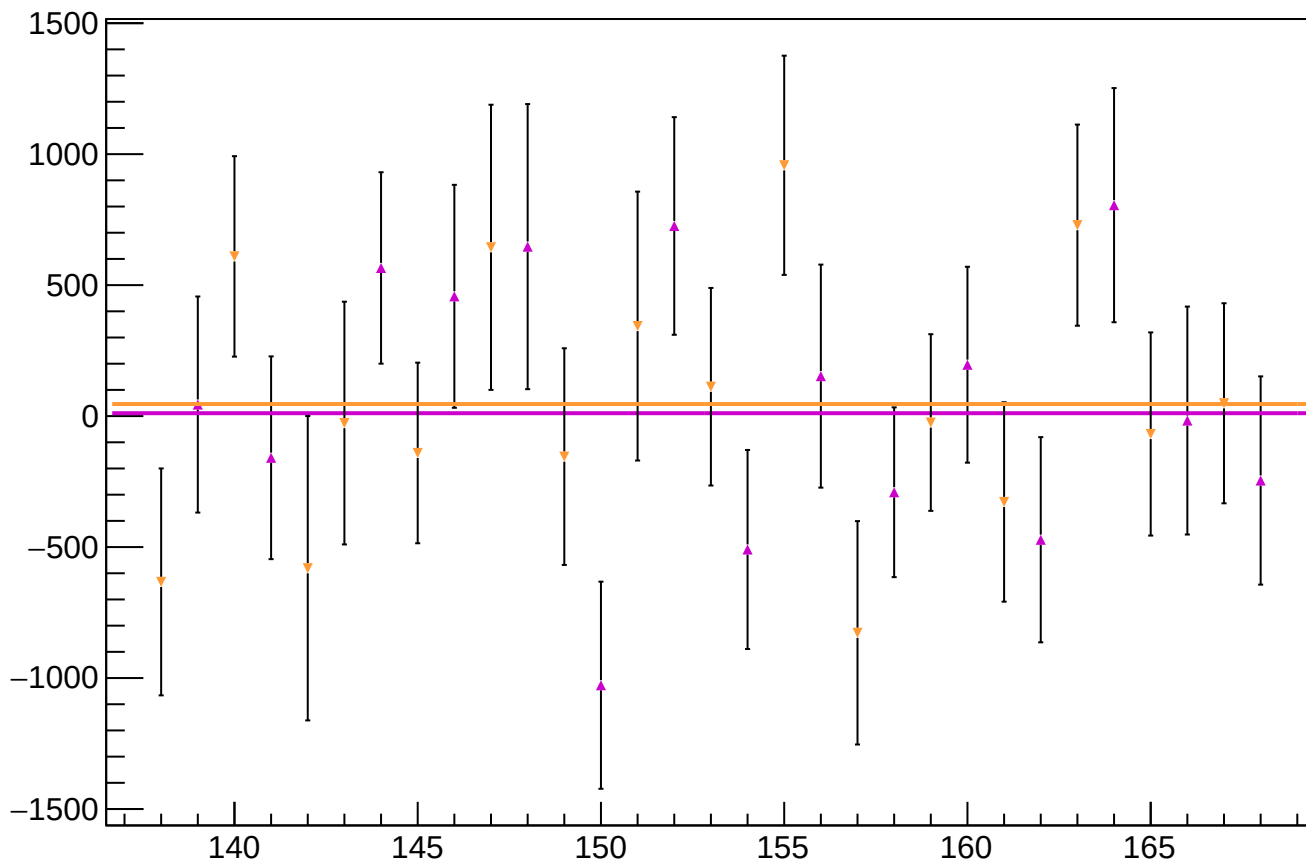
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 365.111+/-0.076 χ^2/NDF :206120.3/14

Out: 360.956+/-0.074 χ^2/NDF :325113.6/15

All: 363.001+/-0.053 χ^2/NDF : 532766.0/30

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 46.023 $\pm$ 102.358 χ^2 /NDF:21.1/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 11.070 $\pm$ 103.479 χ^2 /NDF:23.0/14

Left: 28.737 $\pm$ 72.771 χ^2 /NDF: 44.2/30

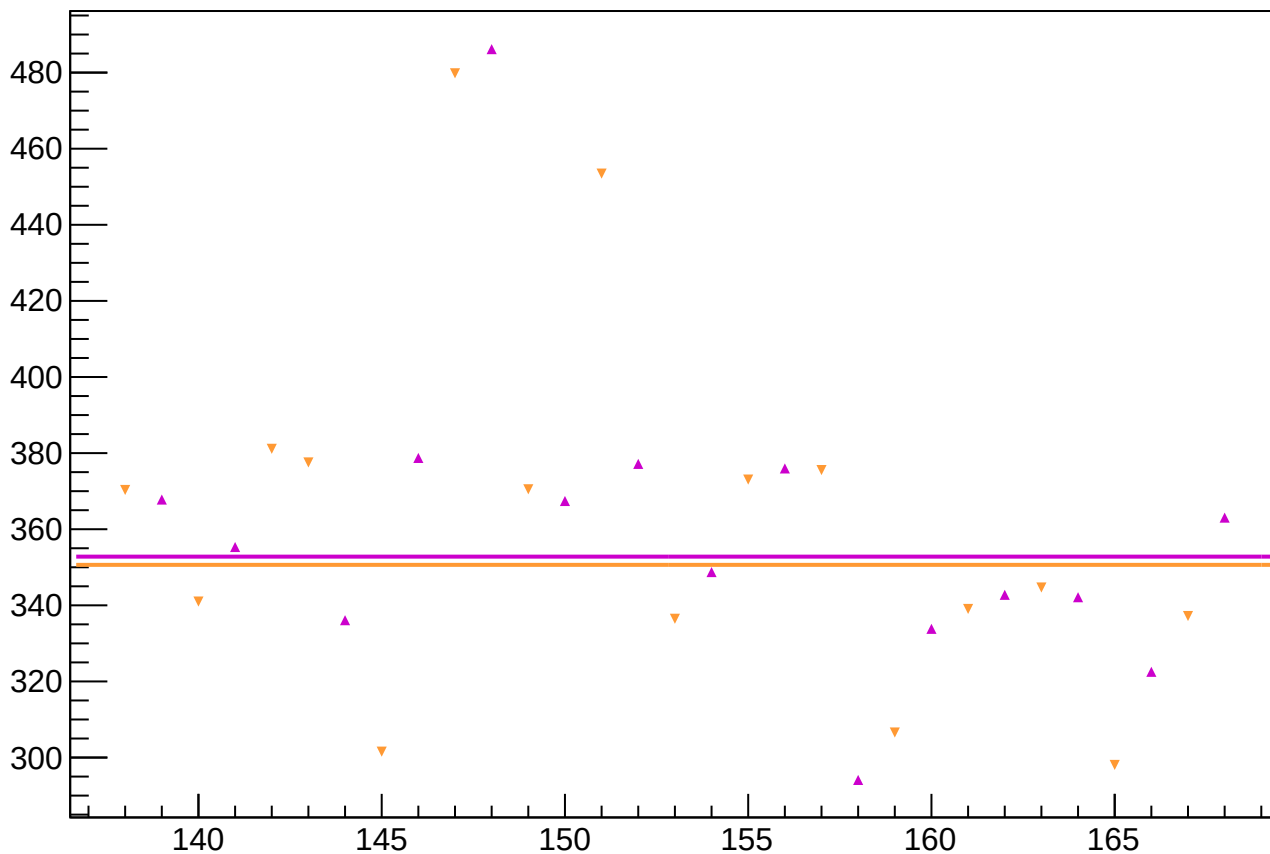
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 11.070 $\pm$ 103.479 χ^2 /NDF:23.0/14

Out: 46.023 $\pm$ 102.358 χ^2 /NDF:21.1/15

All: 28.737 $\pm$ 72.771 χ^2 /NDF: 44.2/30

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 350.636 $\pm$ 0.072 χ^2/NDF : 346860.5/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 352.799 $\pm$ 0.073 χ^2/NDF : 234408.7/14

Left: 351.705 $\pm$ 0.051 χ^2/NDF : 581710.7/30

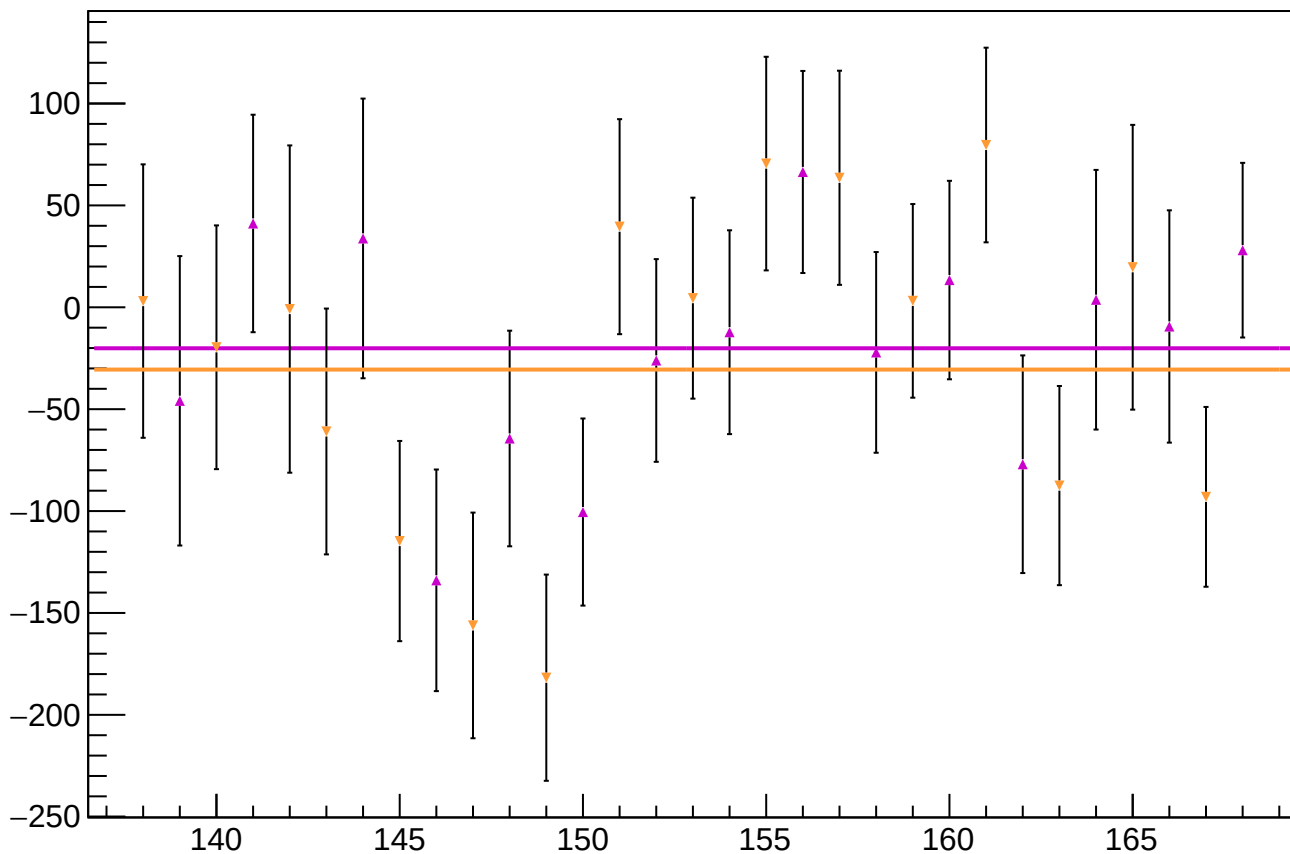
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 352.799 $\pm$ 0.073 χ^2/NDF : 234408.7/14

Out: 350.636 $\pm$ 0.072 χ^2/NDF : 346860.5/15

All: 351.705 $\pm$ 0.051 χ^2/NDF : 581710.7/30

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -30.562 $\pm$ 13.390 χ^2 /NDF:36.6/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -20.109 $\pm$ 13.576 χ^2 /NDF:16.3/14

Left: -25.408 $\pm$ 9.533 χ^2 /NDF: 53.2/30

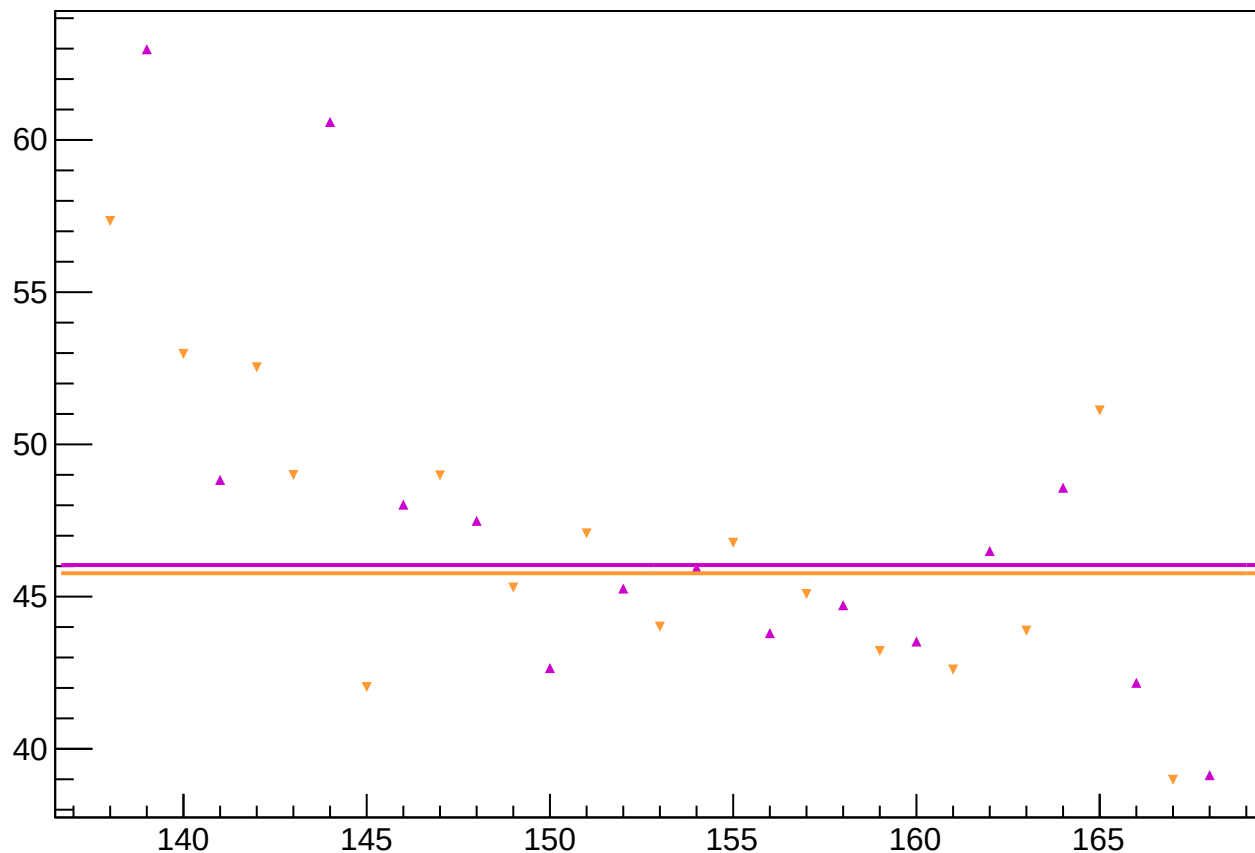
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -20.109 $\pm$ 13.576 χ^2 /NDF:16.3/14

Out: -30.562 $\pm$ 13.390 χ^2 /NDF:36.6/15

All: -25.408 $\pm$ 9.533 χ^2 /NDF: 53.2/30

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 45.767+/-0.009 χ^2/NDF :208295.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 46.037+/-0.010 χ^2/NDF :300047.9/14

Left: 45.900+/-0.007 χ^2/NDF : 508743.2/30

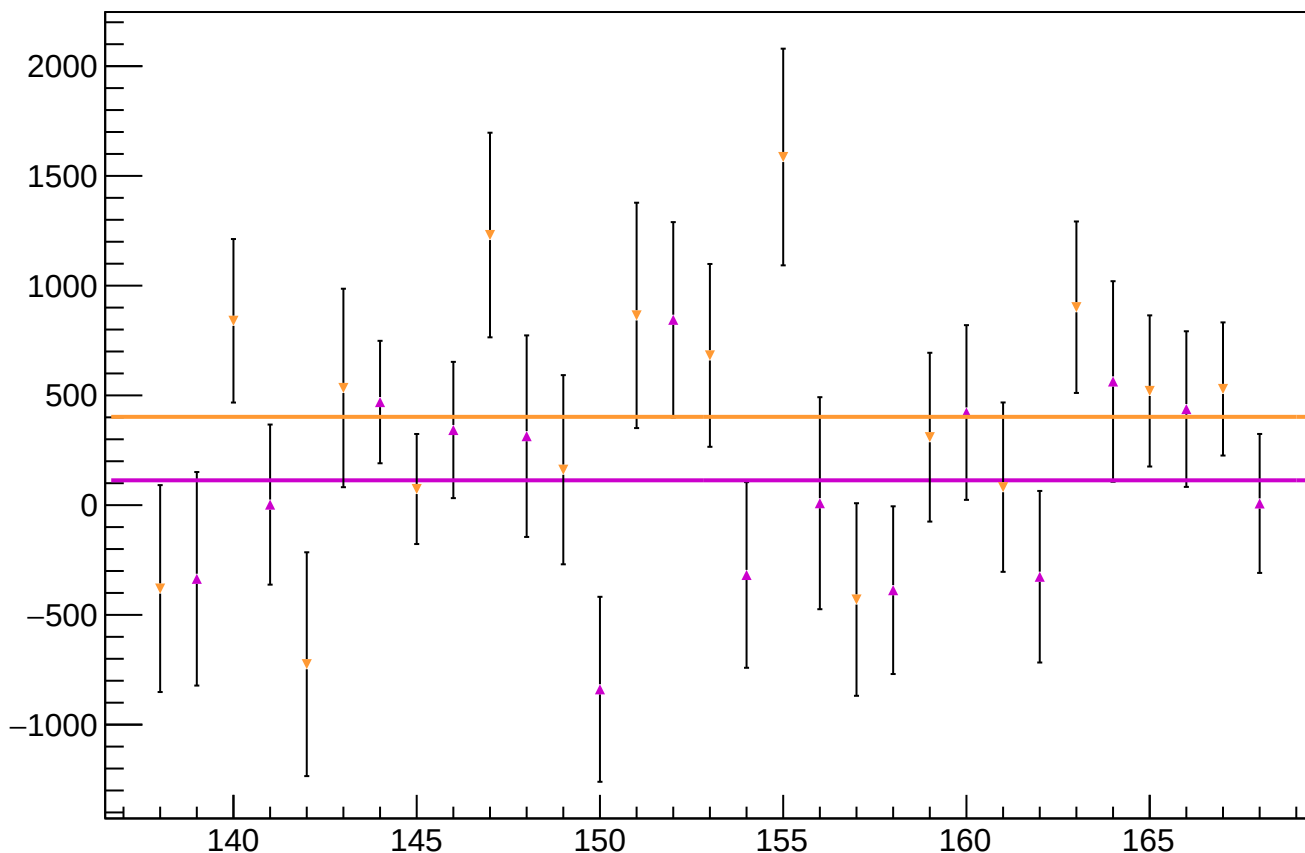
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 46.037+/-0.010 χ^2/NDF :300047.9/14

Out: 45.767+/-0.009 χ^2/NDF :208295.1/15

All: 45.900+/-0.007 χ^2/NDF : 508743.2/30

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 402.263+/-97.802 χ^2/NDF :27.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 113.106+/-98.666 χ^2/NDF :17.7/14

Left: 258.956+/-69.460 χ^2/NDF : 49.6/30

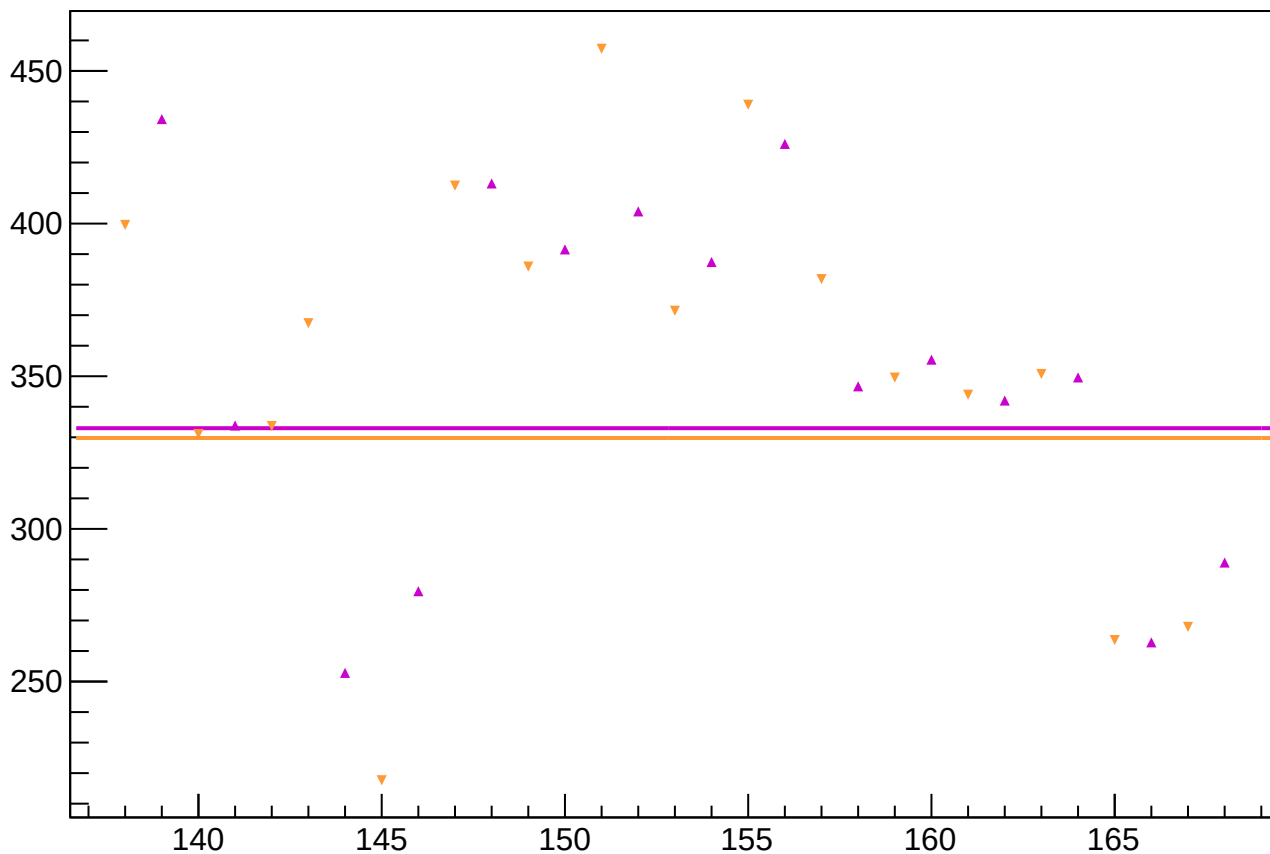
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 113.106+/-98.666 χ^2/NDF :17.7/14

Out: 402.263+/-97.802 χ^2/NDF :27.6/15

All: 258.956+/-69.460 χ^2/NDF : 49.6/30

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 329.766+/-0.069 χ^2/NDF :994786.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 332.985+/-0.070 χ^2/NDF :698621.2/14

Left: 331.361+/-0.049 χ^2/NDF : 1694481.8/30

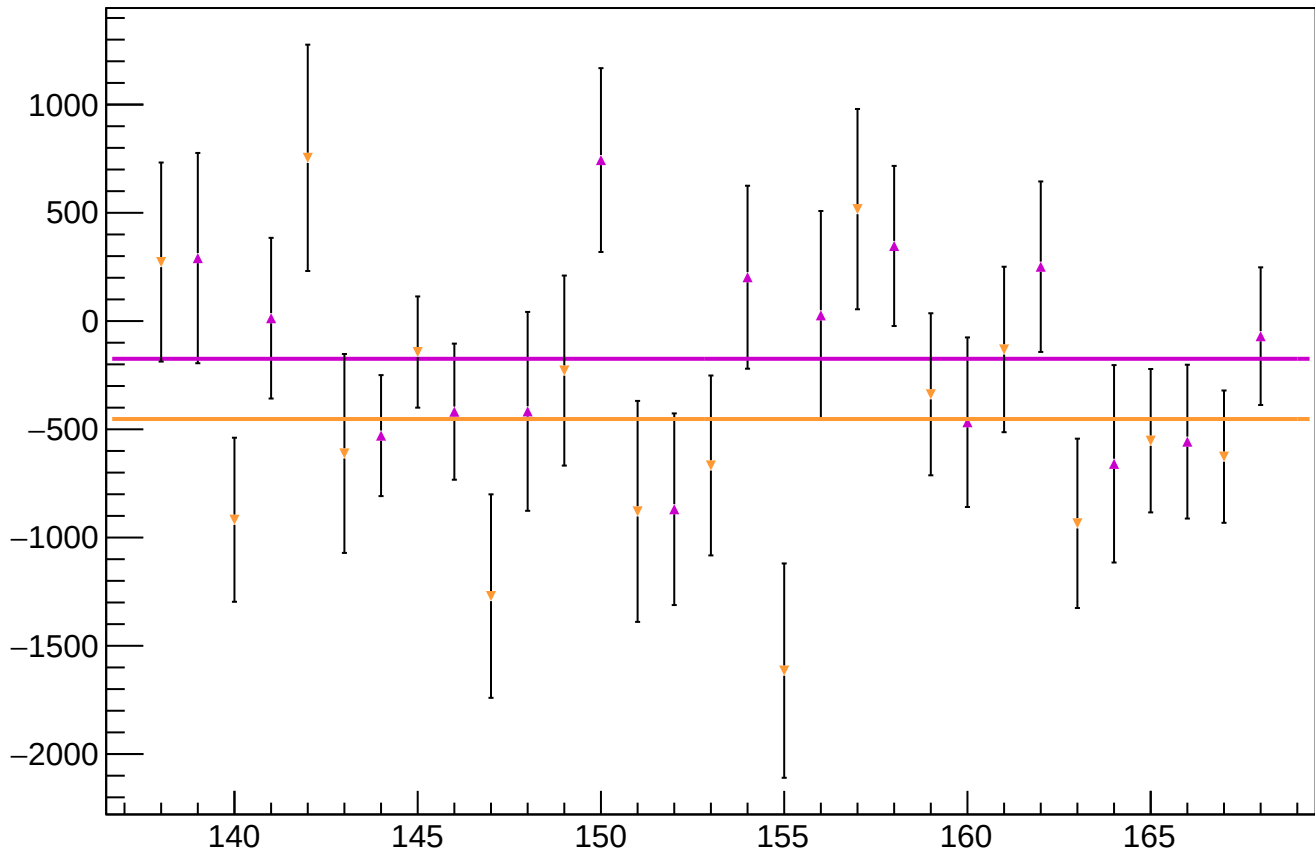
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 332.985+/-0.070 χ^2/NDF :698621.2/14

Out: 329.766+/-0.069 χ^2/NDF :994786.9/15

All: 331.361+/-0.049 χ^2/NDF : 1694481.8/30

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -452.488+/-98.201 χ^2/NDF : 27.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -174.300+/-98.713 χ^2/NDF : 17.9/14

Left: -314.119+/-69.619 χ^2/NDF : 49.7/30

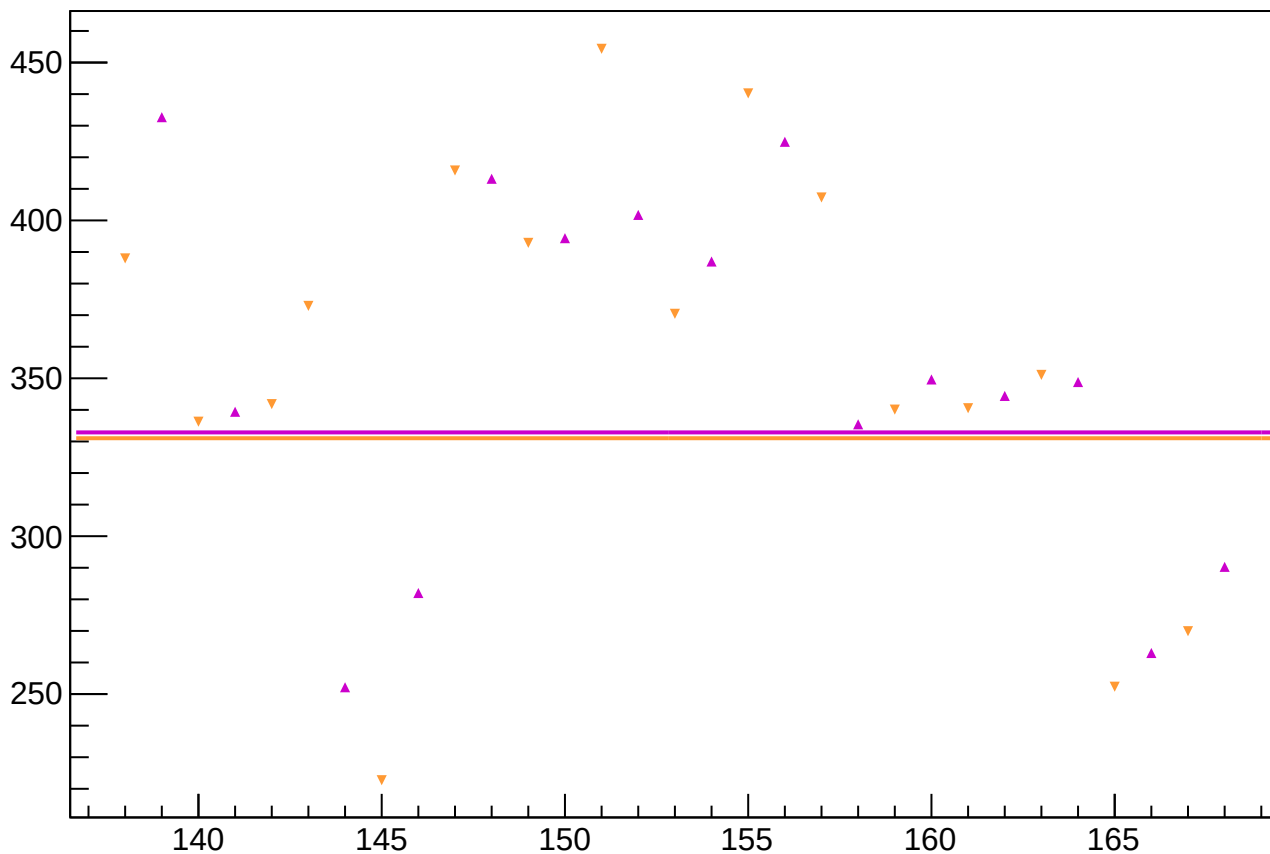
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -174.300+/-98.713 χ^2/NDF : 17.9/14

Out: -452.488+/-98.201 χ^2/NDF : 27.8/15

All: -314.119+/-69.619 χ^2/NDF : 49.7/30

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 331.022+/-0.069 χ^2/NDF :995952.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 332.868+/-0.070 χ^2/NDF :682764.0/14

Left: 331.940+/-0.049 χ^2/NDF : 1679067.9/30

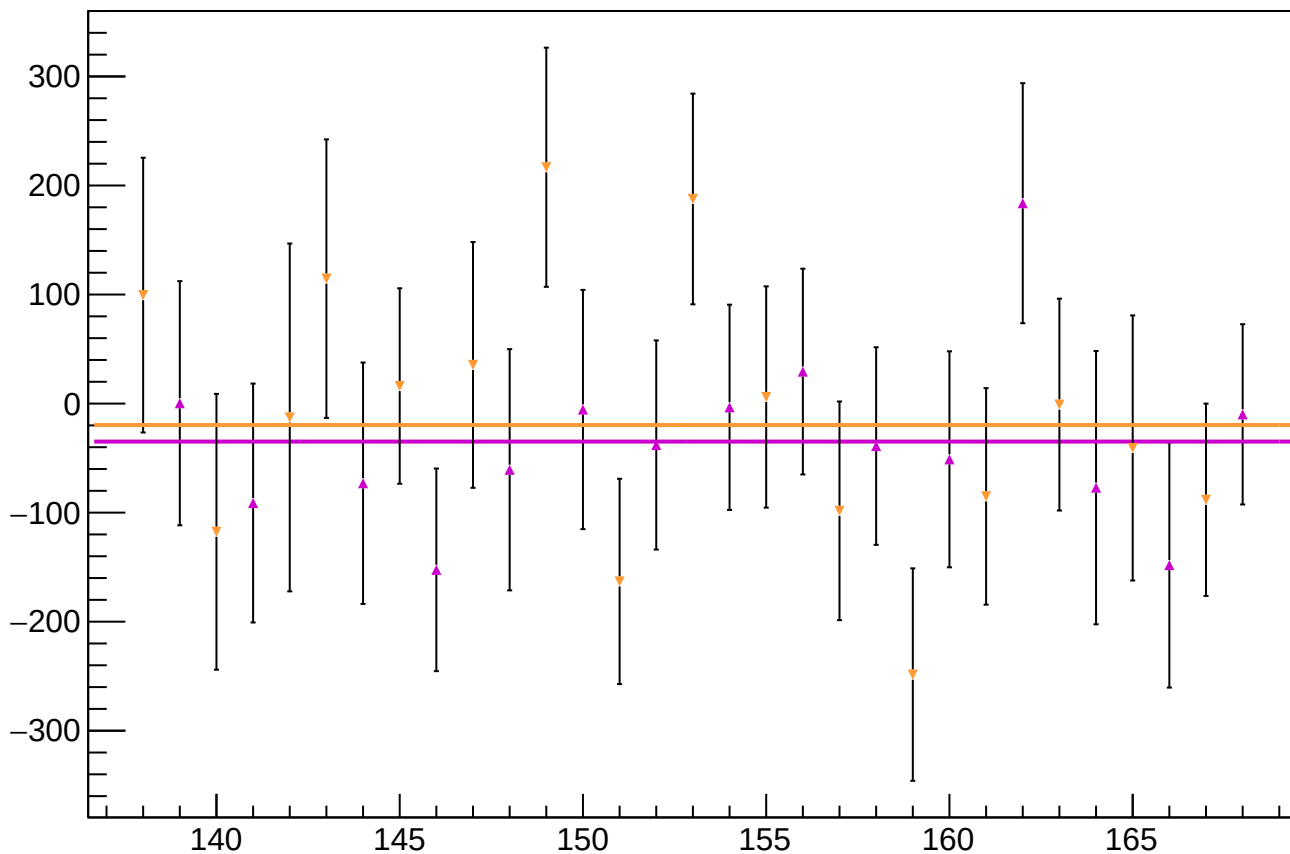
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 332.868+/-0.070 χ^2/NDF :682764.0/14

Out: 331.022+/-0.069 χ^2/NDF :995952.6/15

All: 331.940+/-0.049 χ^2/NDF : 1679067.9/30

dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -19.642 $\pm$ 26.369 χ^2 /NDF:21.9/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -34.845 $\pm$ 26.217 χ^2 /NDF:8.0/14

Left: -27.288 $\pm$ 18.592 χ^2 /NDF: 30.0/30

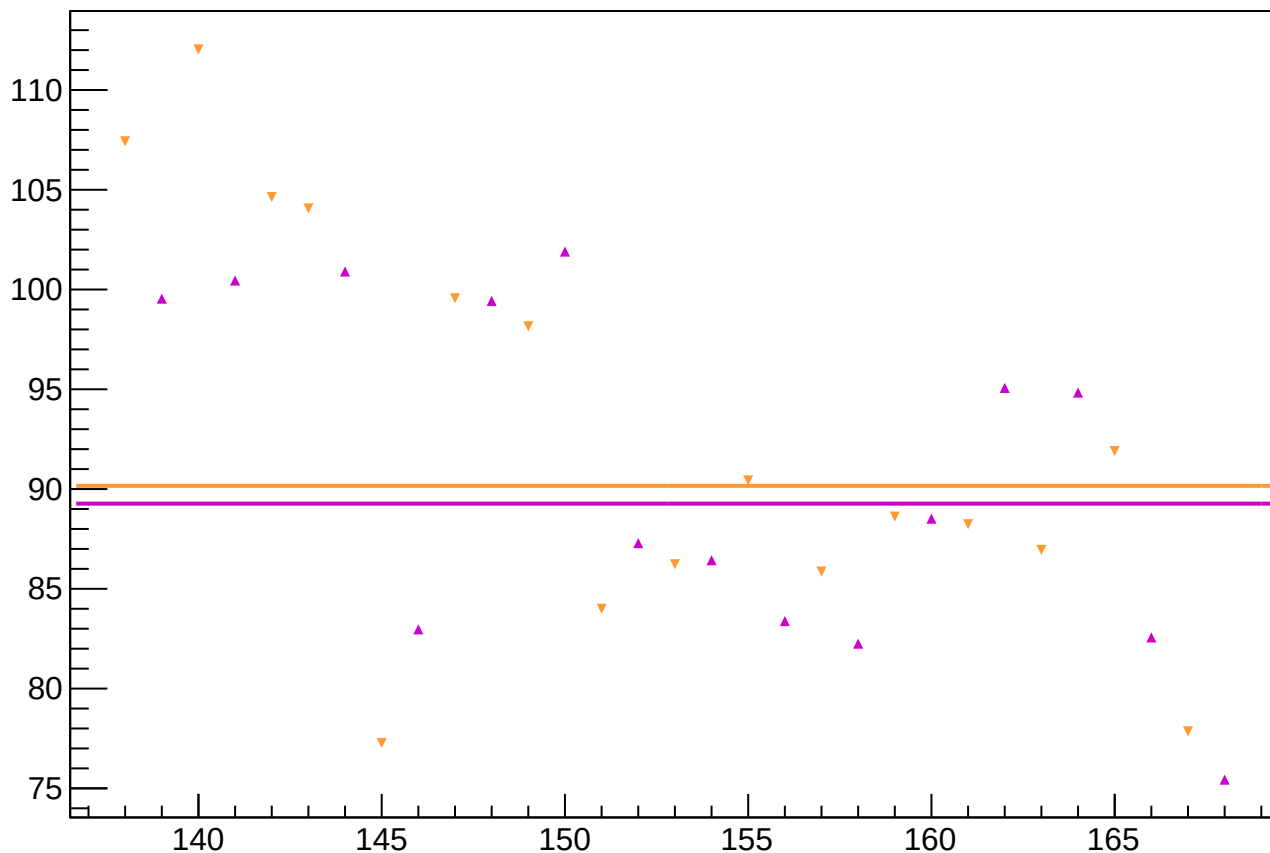
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -34.845 $\pm$ 26.217 χ^2 /NDF:8.0/14

Out: -19.642 $\pm$ 26.369 χ^2 /NDF:21.9/15

All: -27.288 $\pm$ 18.592 χ^2 /NDF: 30.0/30

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 90.160 $\pm$ 0.019 χ^2 /NDF:261787.4/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 89.270 $\pm$ 0.019 χ^2 /NDF:207578.3/14

Left: 89.712 $\pm$ 0.013 χ^2 /NDF: 470511.9/30

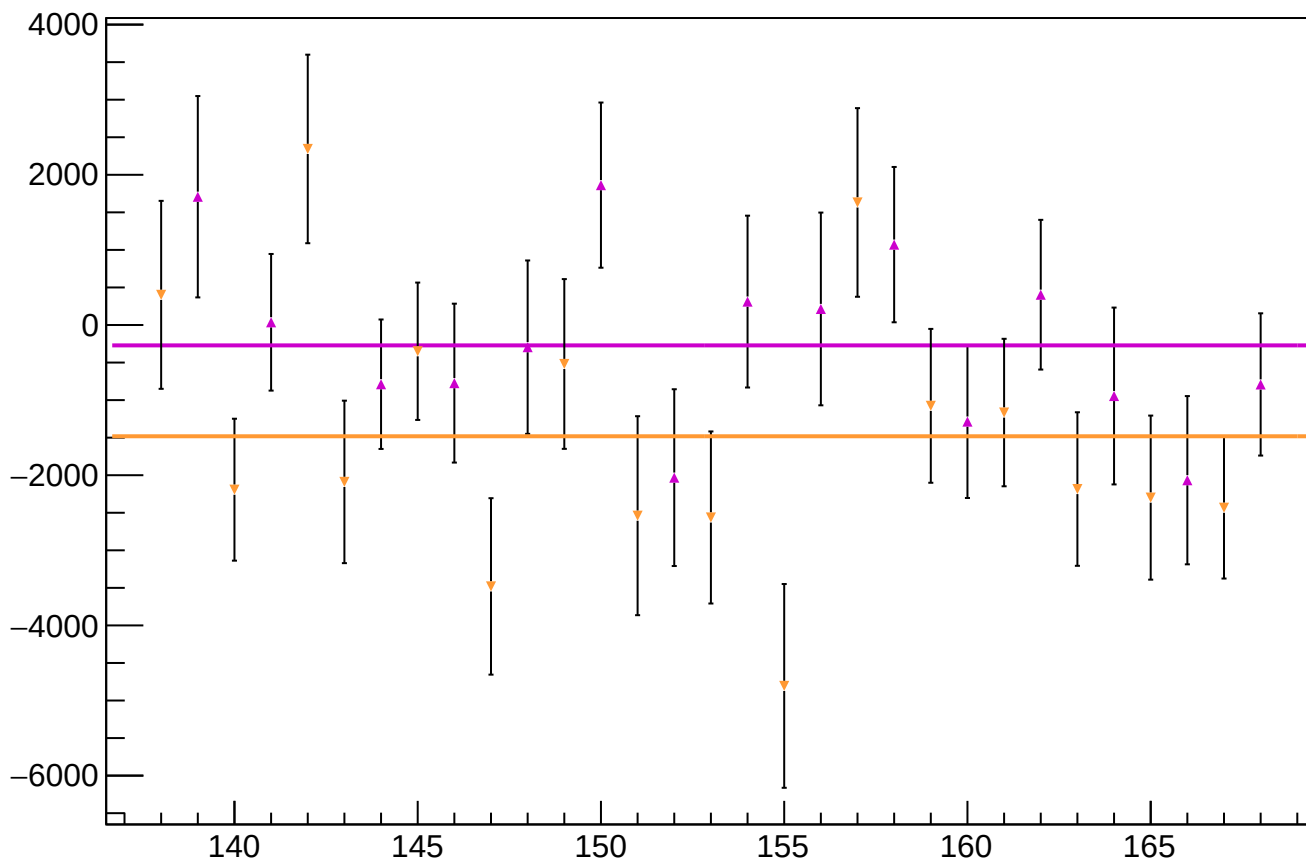
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 89.270 $\pm$ 0.019 χ^2 /NDF:207578.3/14

Out: 90.160 $\pm$ 0.019 χ^2 /NDF:261787.4/15

All: 89.712 $\pm$ 0.013 χ^2 /NDF: 470511.9/30

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -1481.484 ± 273.472 $\chi^2/\text{NDF}: 33.6/15$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -271.332 ± 275.069 $\chi^2/\text{NDF}: 15.6/14$

Left: -879.930 ± 193.936 $\chi^2/\text{NDF}: 58.9/30$

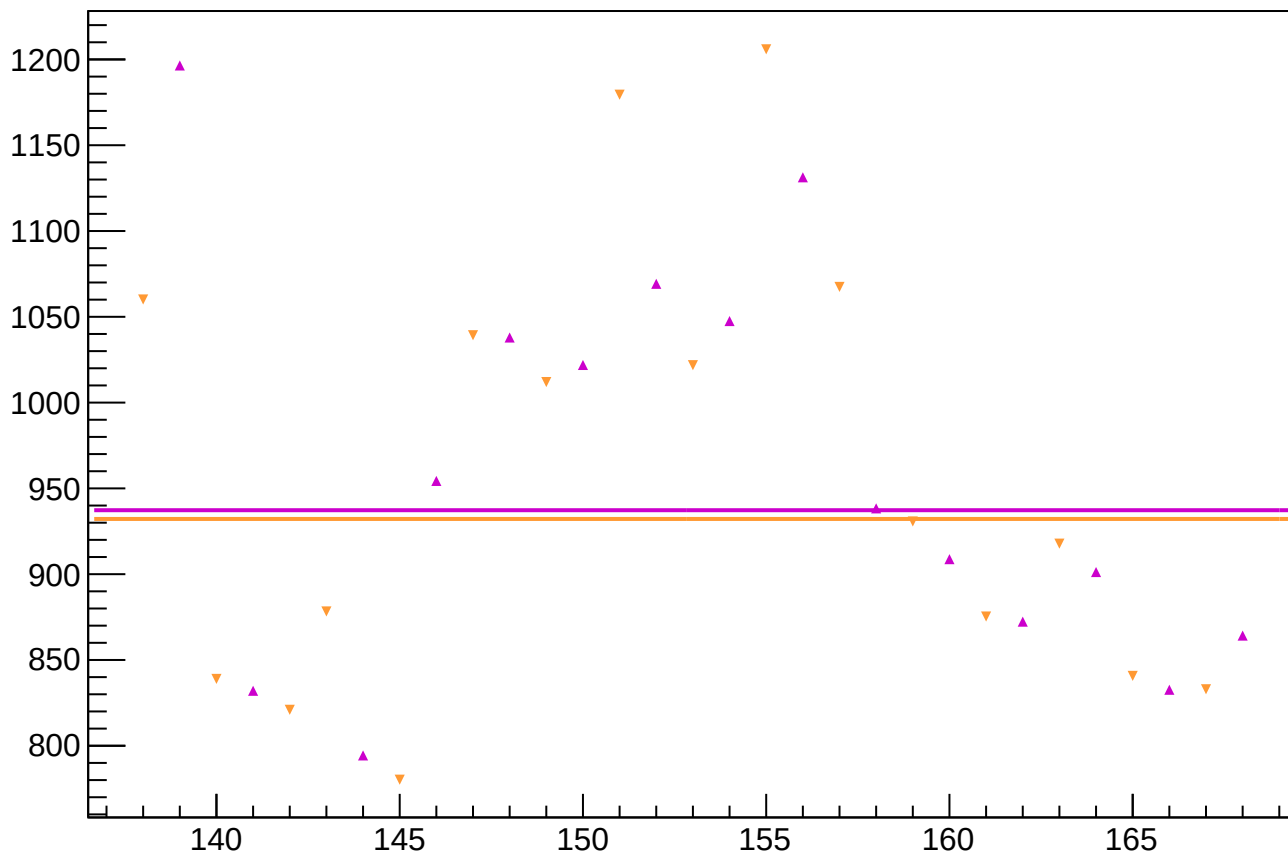
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -271.332 ± 275.069 $\chi^2/\text{NDF}: 15.6/14$

Out: -1481.484 ± 273.472 $\chi^2/\text{NDF}: 33.6/15$

All: -879.930 ± 193.936 $\chi^2/\text{NDF}: 58.9/30$

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 932.187+/-0.193 χ^2/NDF : 372674.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 937.285+/-0.195 χ^2/NDF : 314845.0/14

Left: 934.721+/-0.137 χ^2/NDF : 687865.3/30

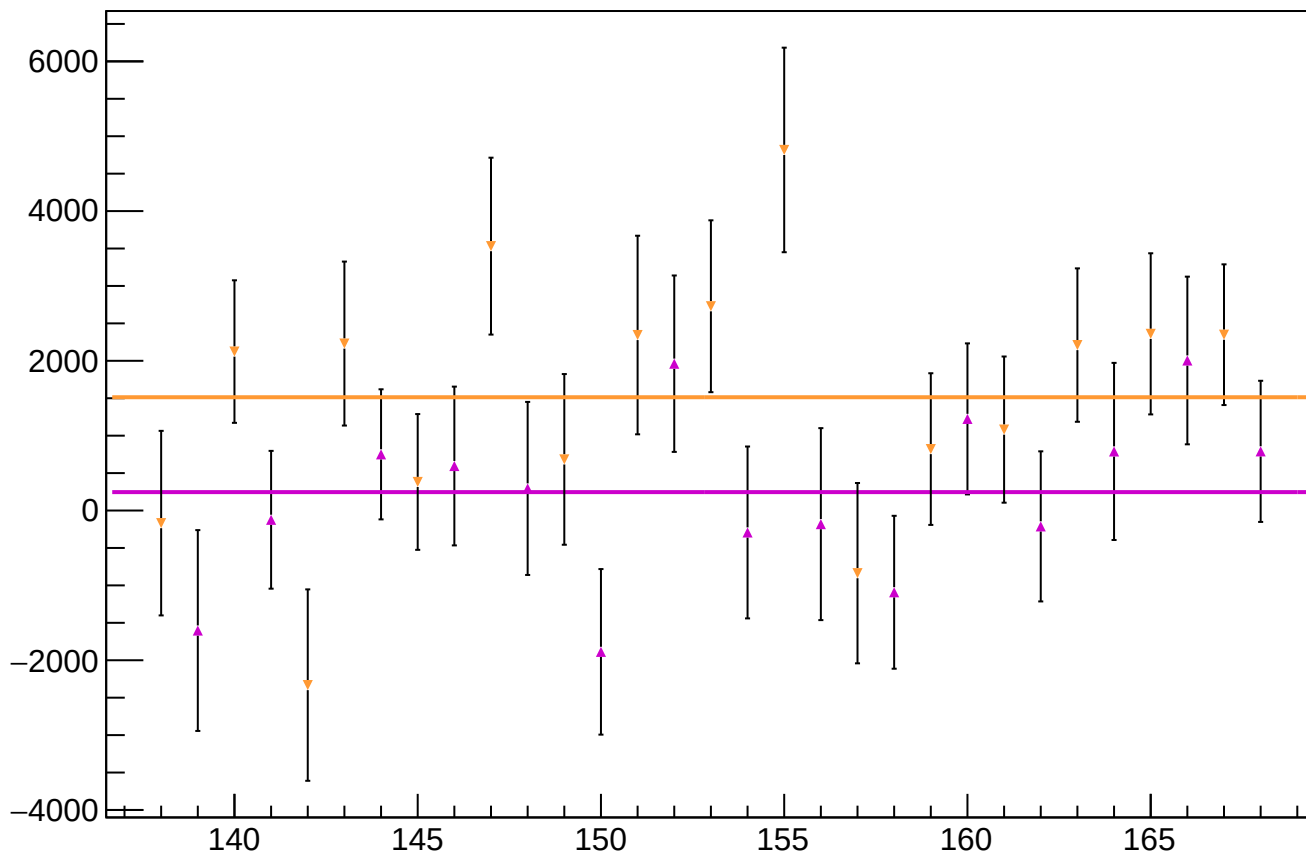
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 937.285+/-0.195 χ^2/NDF : 314845.0/14

Out: 932.187+/-0.193 χ^2/NDF : 372674.8/15

All: 934.721+/-0.137 χ^2/NDF : 687865.3/30

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1513.304+/-272.853 χ^2/NDF :30.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 245.914+/-275.484 χ^2/NDF :14.6/14

Left: 885.690+/-193.860 χ^2/NDF : 55.7/30

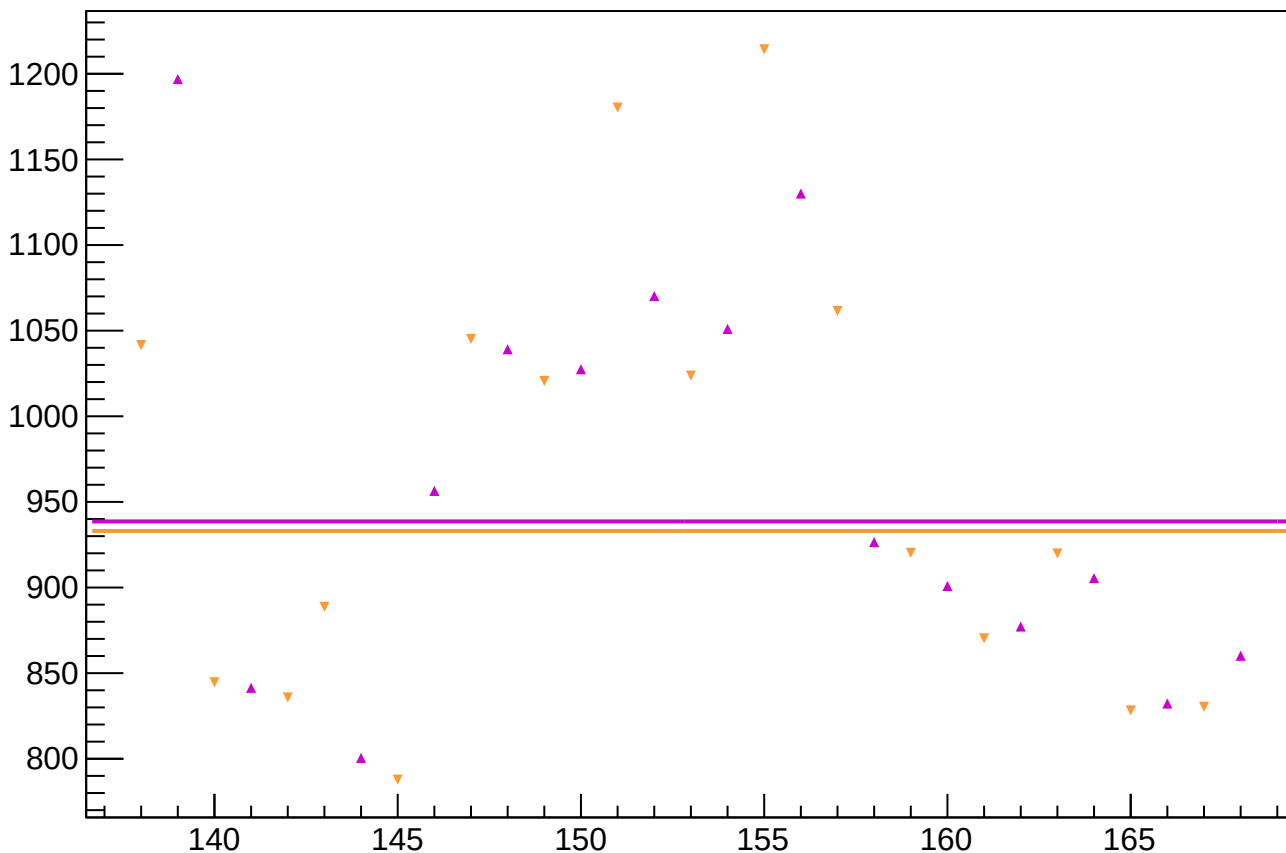
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 245.914+/-275.484 χ^2/NDF :14.6/14

Out: 1513.304+/-272.853 χ^2/NDF :30.5/15

All: 885.690+/-193.860 χ^2/NDF : 55.7/30

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 933.018+/-0.193 χ^2/NDF : 369957.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 938.602+/-0.195 χ^2/NDF : 308332.4/14

Left: 935.783+/-0.137 χ^2/NDF : 678704.2/30

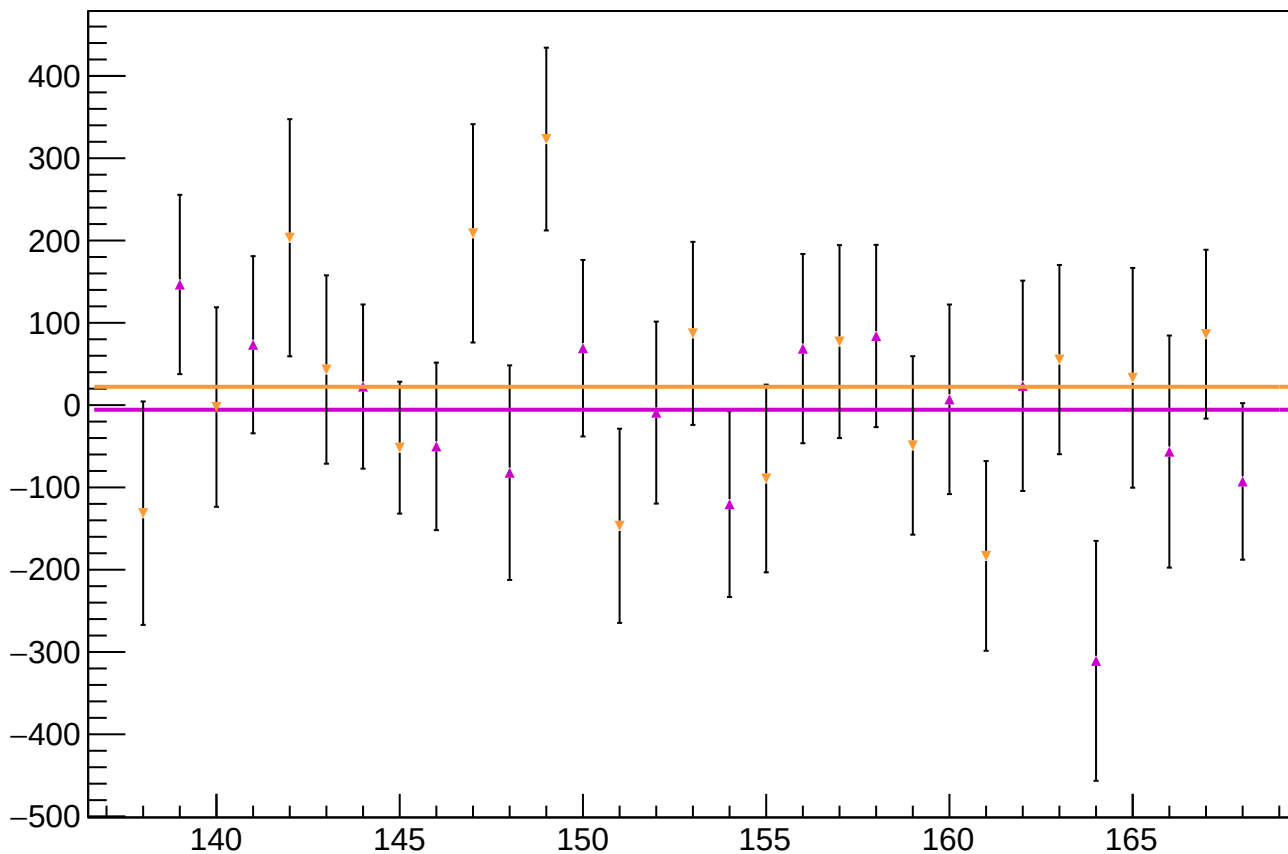
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 938.602+/-0.195 χ^2/NDF : 308332.4/14

Out: 933.018+/-0.193 χ^2/NDF : 369957.0/15

All: 935.783+/-0.137 χ^2/NDF : 678704.2/30

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 22.275+/-28.515 χ^2/NDF :20.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -5.607+/-29.170 χ^2/NDF :11.1/14

Left: 8.650+/-20.391 χ^2/NDF : 32.3/30

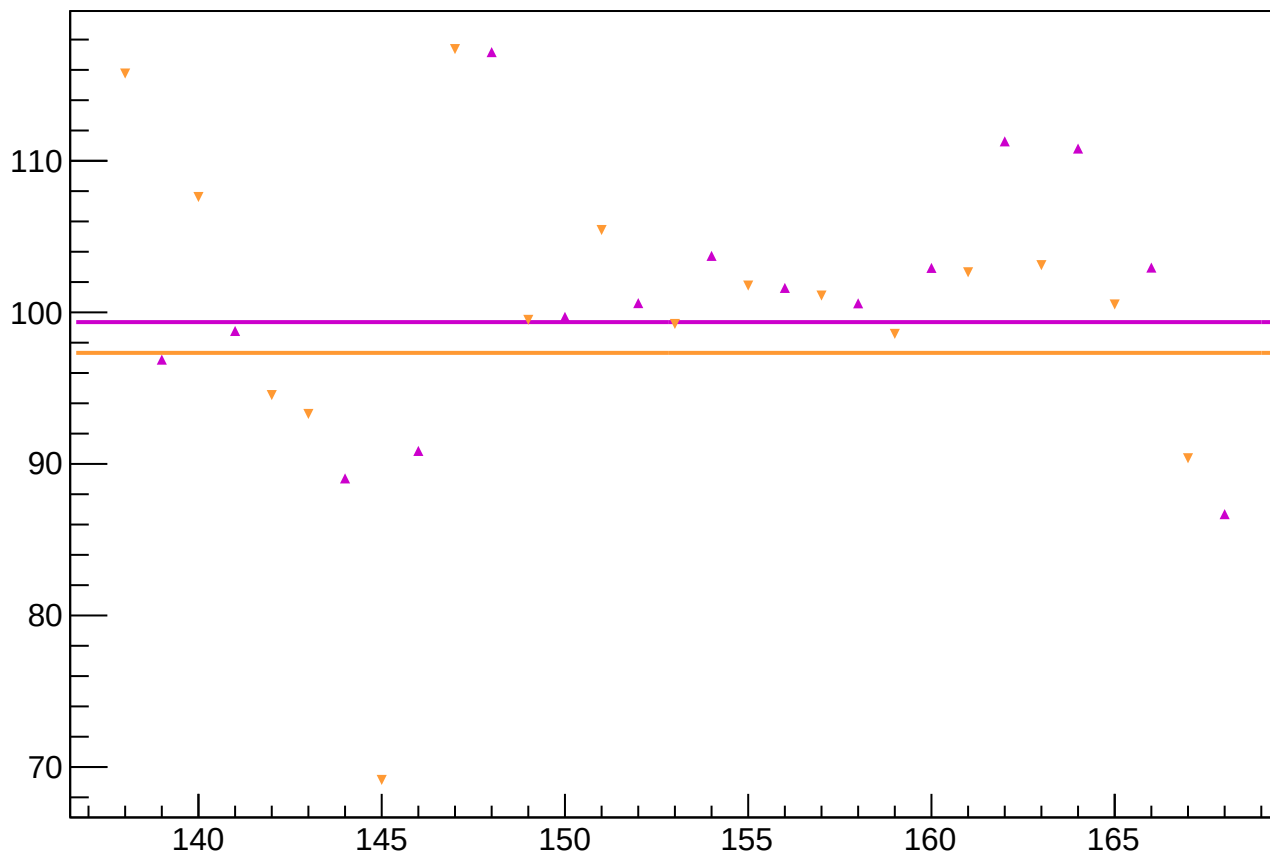
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -5.607+/-29.170 χ^2/NDF :11.1/14

Out: 22.275+/-28.515 χ^2/NDF :20.8/15

All: 8.650+/-20.391 χ^2/NDF : 32.3/30

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left Out: 97.328+/-0.020 χ^2 /NDF:383328.1/15

Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: 99.357+/-0.021 χ^2 /NDF:146549.0/14

Left: 98.320+/-0.014 χ^2 /NDF: 534827.9/30

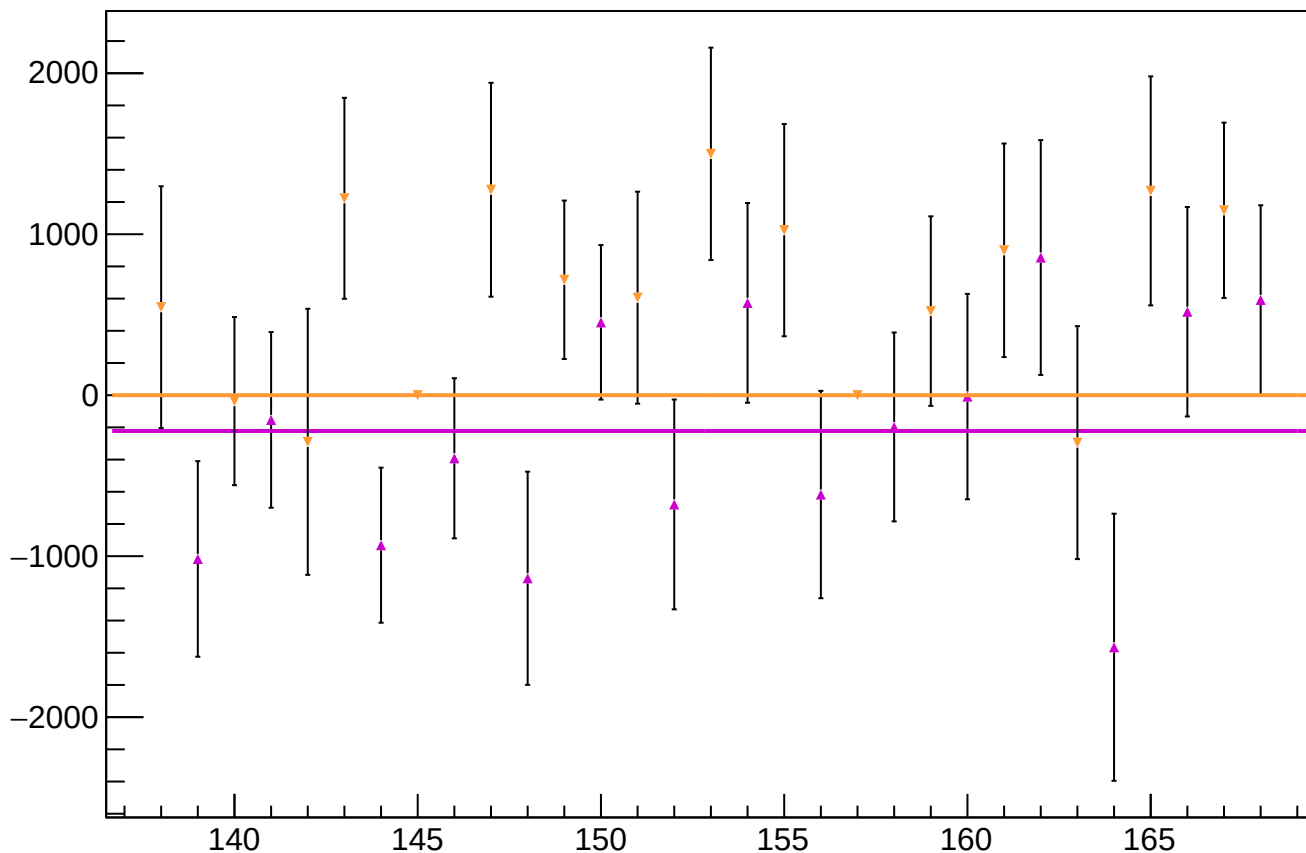
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 99.357+/-0.021 χ^2 /NDF:146549.0/14

Out: 97.328+/-0.020 χ^2 /NDF:383328.1/15

All: 98.320+/-0.014 χ^2 /NDF: 534827.9/30

asym_sam_26_48_dd_correction_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 : 29.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -222.395+/-153.651 χ^2/NDF : 18.5/14

Left: -0.000+/-0.000 χ^2/NDF : 50.1/30

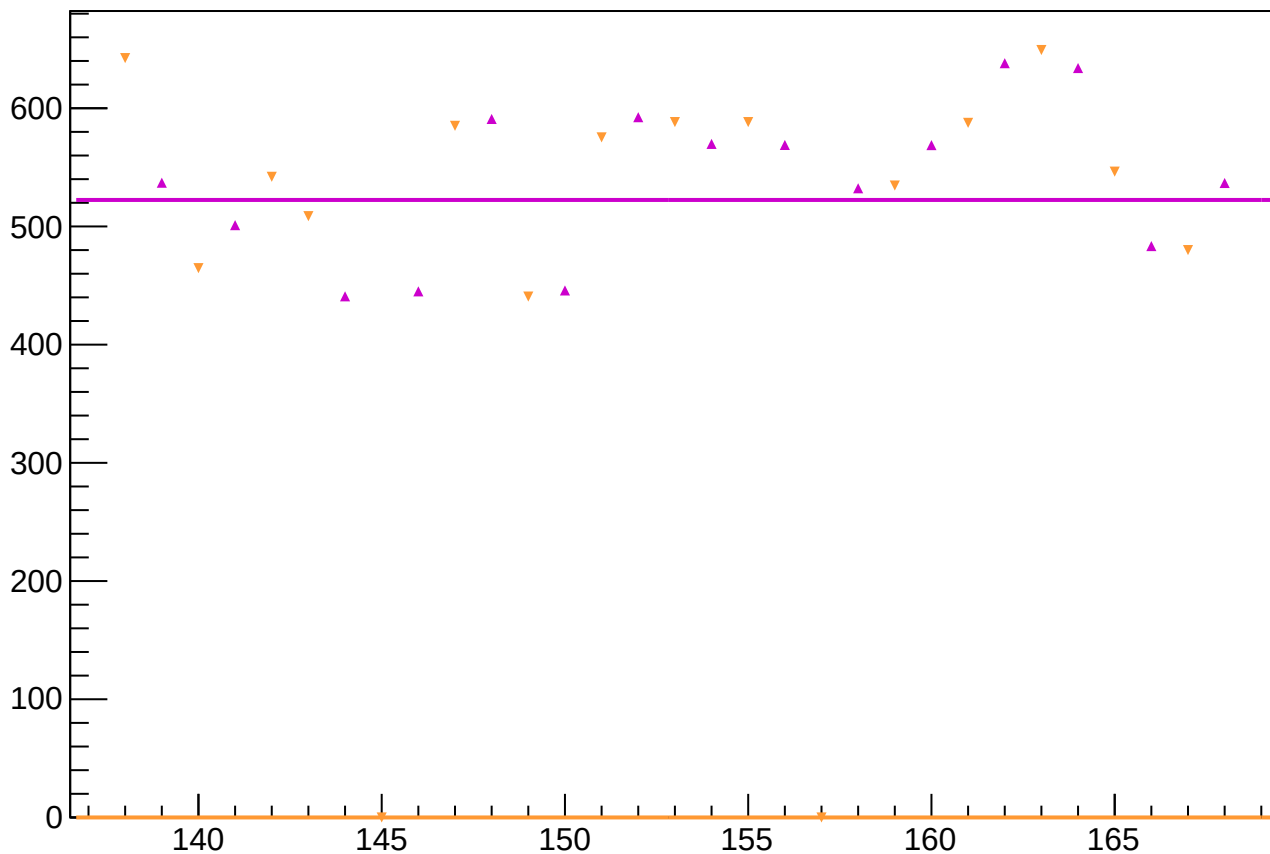
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -222.395+/-153.651 χ^2/NDF : 18.5/14

Out: -0.000+/-0.000 χ^2/NDF : 29.5/15

All: -0.000+/-0.000 χ^2/NDF : 50.1/30

asym_sam_26_48_dd_correction_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 :20666514.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 522.413+/-0.109 χ^2/NDF :333430.9/14

Left: 0.000+/-0.000 χ^2/NDF : 44119839.1/30

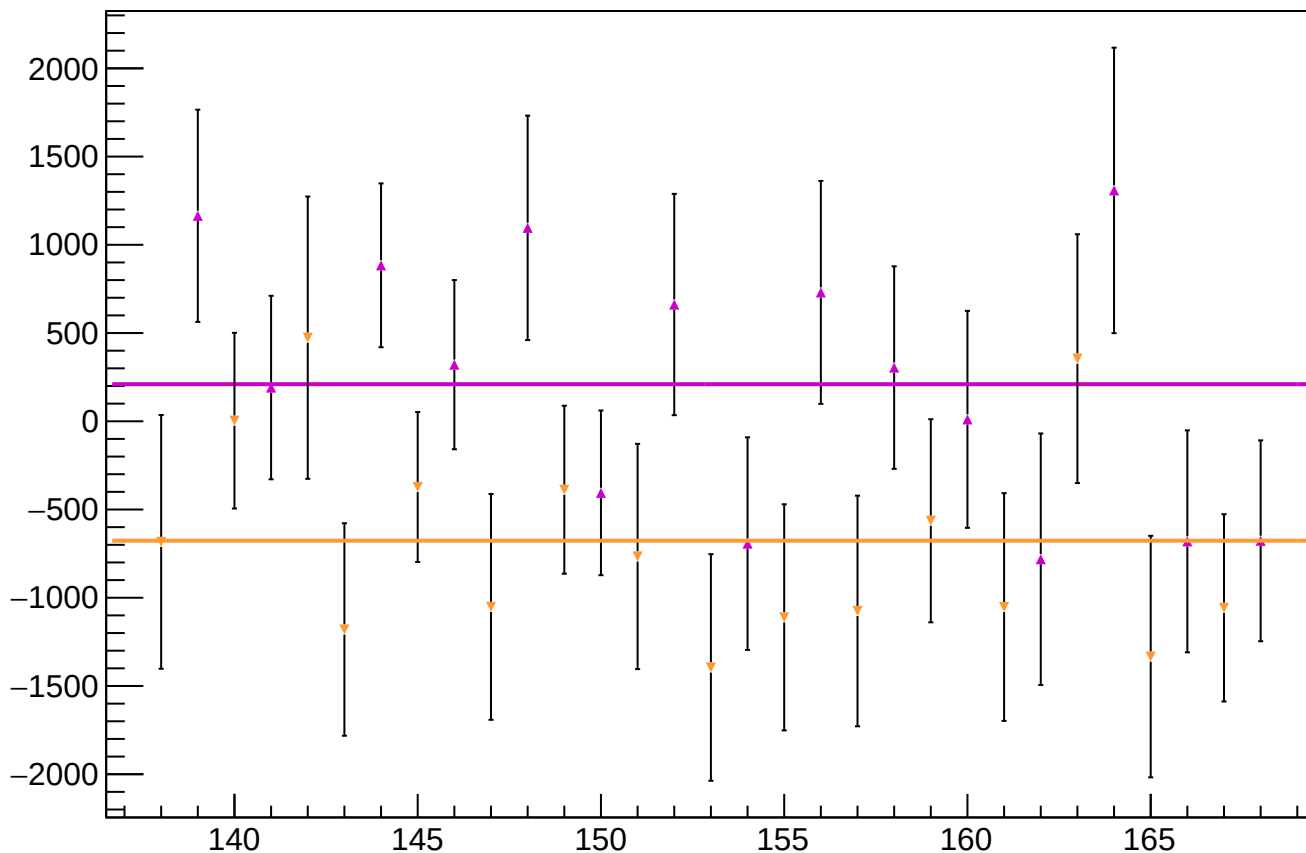
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 522.413+/-0.109 χ^2/NDF :333430.9/14

Out: 0.000+/-0.000 χ^2/NDF :20666514.4/15

All: 0.000+/-0.000 χ^2/NDF : 44119839.1/30

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -676.825+/-148.304 χ^2/NDF : 11.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 210.037+/-148.865 χ^2/NDF : 20.2/14

Left: -235.067+/-105.065 χ^2/NDF : 49.9/30

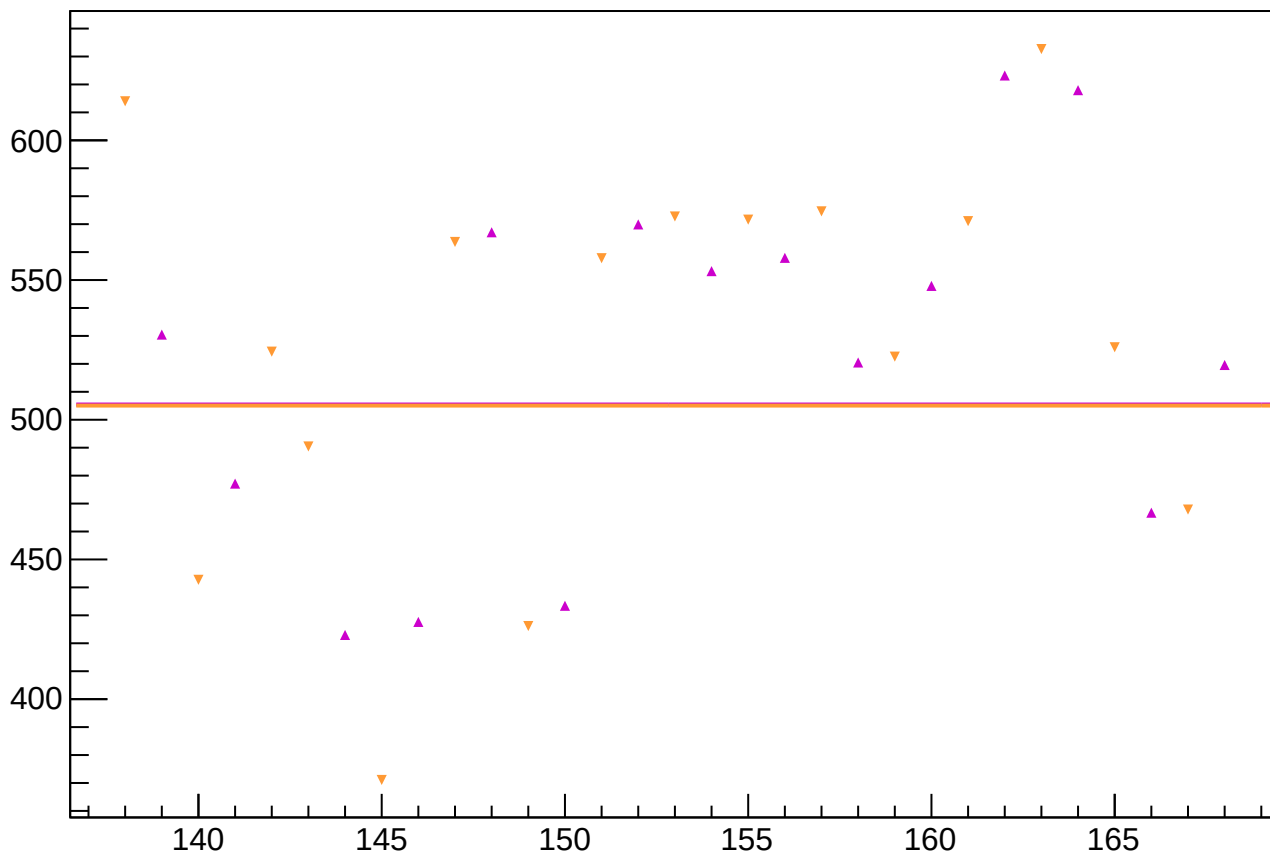
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 210.037+/-148.865 χ^2/NDF : 20.2/14

Out: -676.825+/-148.304 χ^2/NDF : 11.9/15

All: -235.067+/-105.065 χ^2/NDF : 49.9/30

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 505.073+/-0.105 χ^2/NDF : 530297.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 505.444+/-0.105 χ^2/NDF : 352199.2/14

Left: 505.258+/-0.074 χ^2/NDF : 882502.9/30

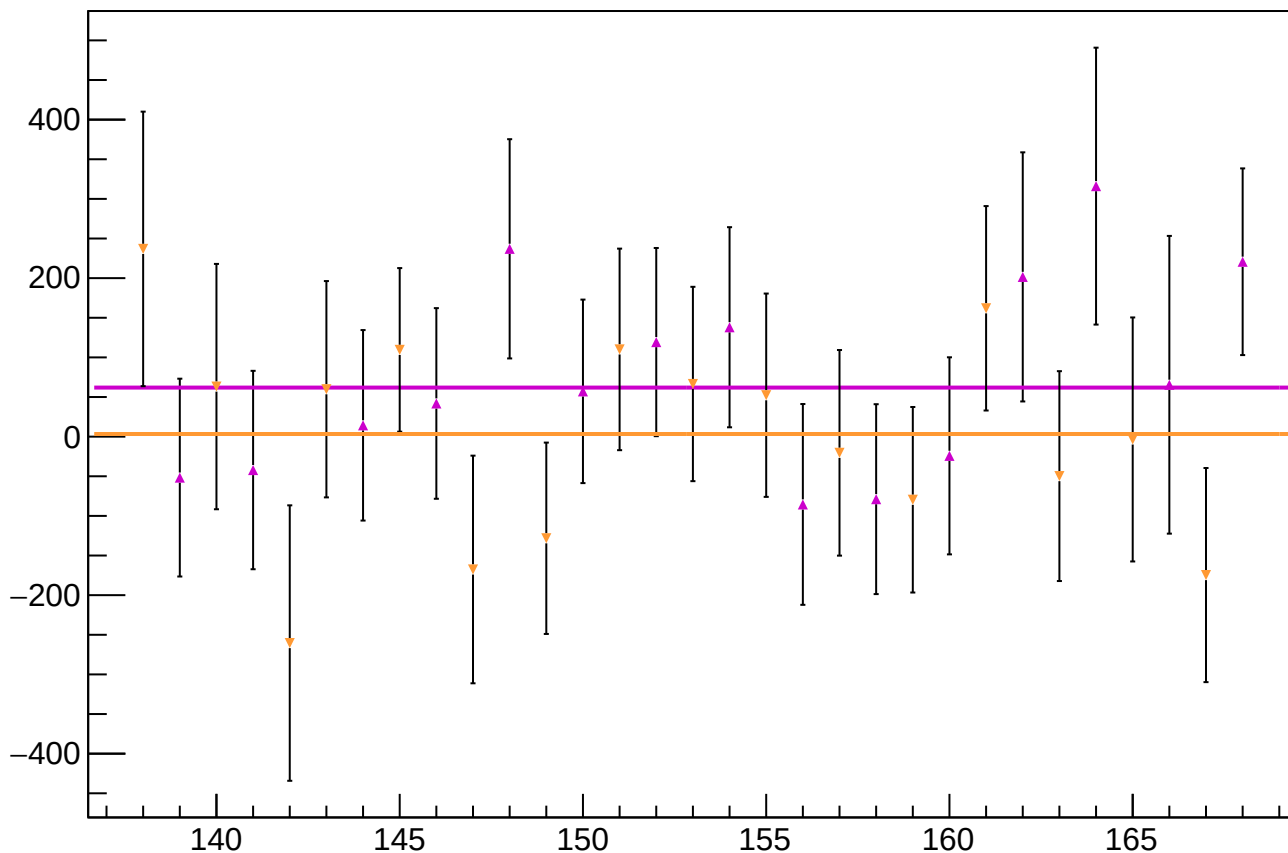
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 505.444+/-0.105 χ^2/NDF : 352199.2/14

Out: 505.073+/-0.105 χ^2/NDF : 530297.4/15

All: 505.258+/-0.074 χ^2/NDF : 882502.9/30

dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 3.337 $\pm$ 33.176 χ^2 /NDF:13.2/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 61.904 $\pm$ 33.383 χ^2 /NDF:11.8/14

Left: 32.438 $\pm$ 23.532 χ^2 /NDF: 26.6/30

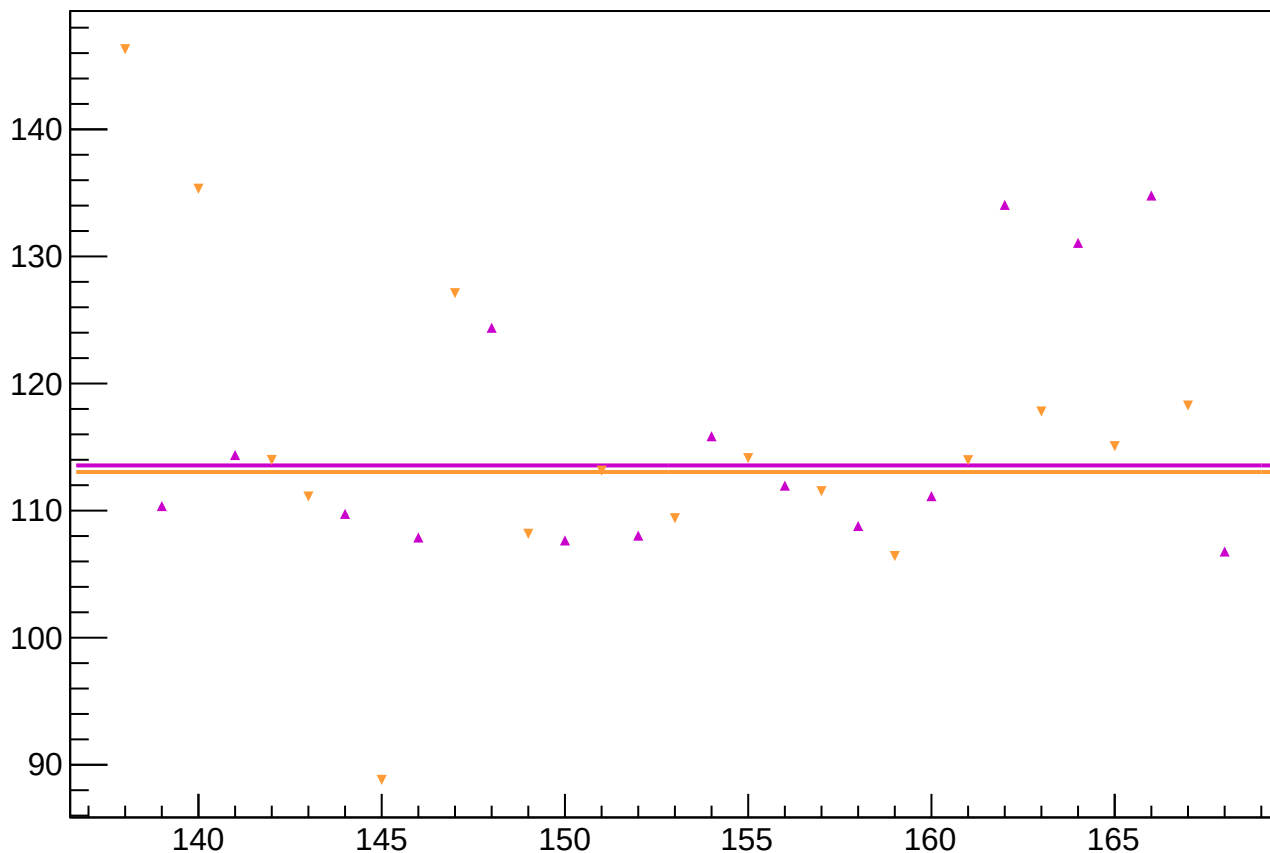
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 61.904 $\pm$ 33.383 χ^2 /NDF:11.8/14

Out: 3.337 $\pm$ 33.176 χ^2 /NDF:13.2/15

All: 32.438 $\pm$ 23.532 χ^2 /NDF: 26.6/30

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 113.037+/-0.023 χ^2/NDF :262923.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 113.555+/-0.024 χ^2/NDF :120863.8/14

Left: 113.295+/-0.017 χ^2/NDF : 384029.3/30

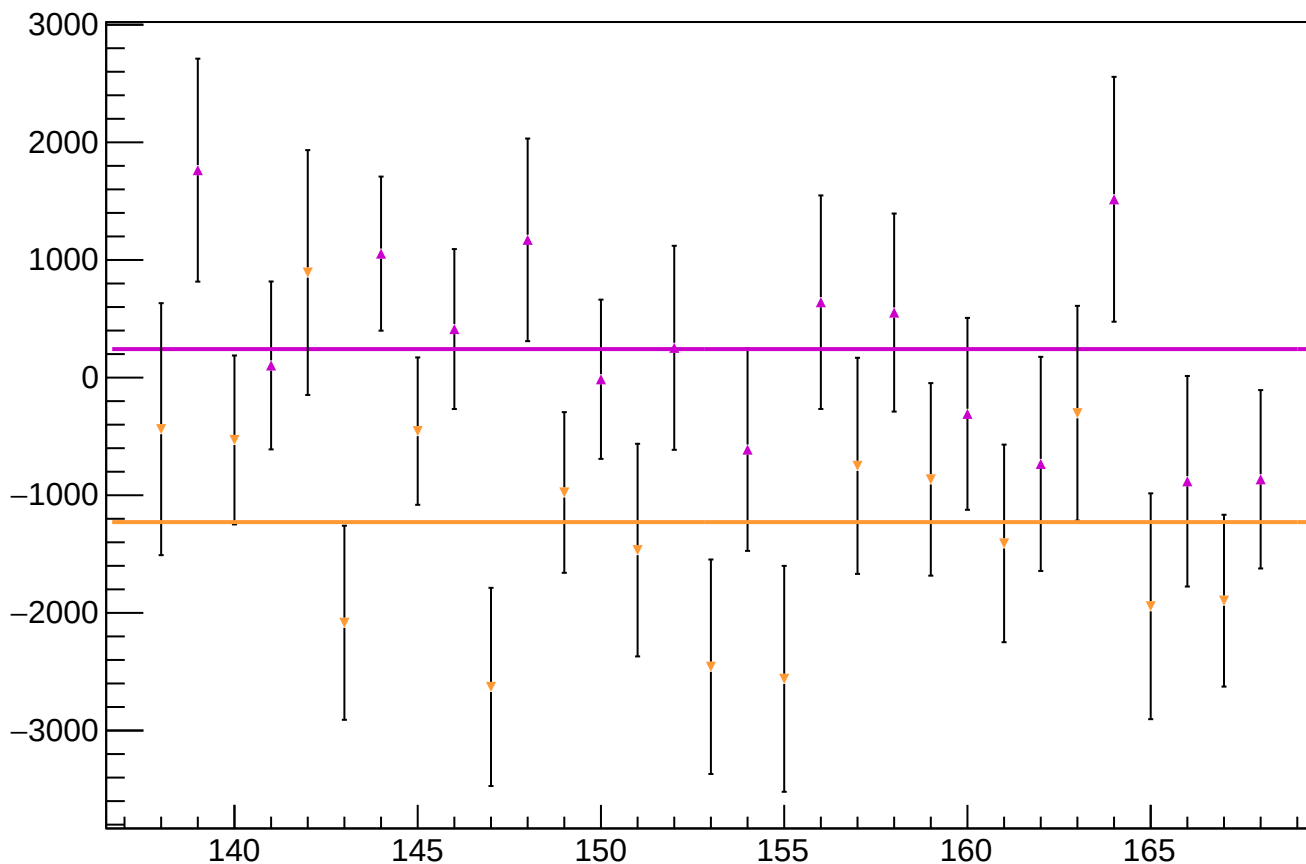
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 113.555+/-0.024 χ^2/NDF :120863.8/14

Out: 113.037+/-0.023 χ^2/NDF :262923.3/15

All: 113.295+/-0.017 χ^2/NDF : 384029.3/30

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1228.271+/-208.186 χ^2/NDF :17.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 242.419+/-208.389 χ^2/NDF :13.6/14

Left: -493.644+/-147.281 χ^2/NDF : 56.5/30

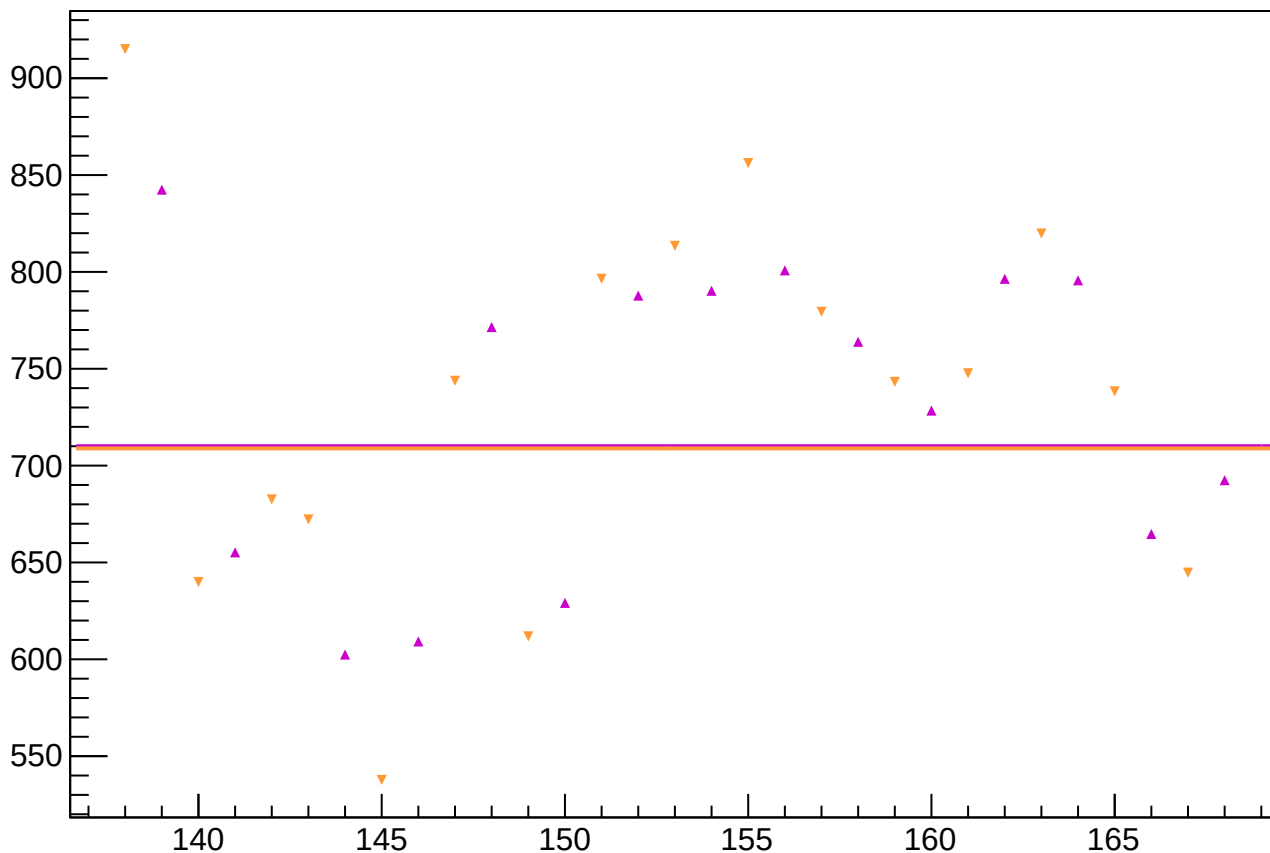
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 242.419+/-208.389 χ^2/NDF :13.6/14

Out: -1228.271+/-208.186 χ^2/NDF :17.9/15

All: -493.644+/-147.281 χ^2/NDF : 56.5/30

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 708.892+/-0.147 χ^2/NDF :449437.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 709.996+/-0.147 χ^2/NDF :287989.7/14

Left: 709.443+/-0.104 χ^2/NDF : 737455.7/30

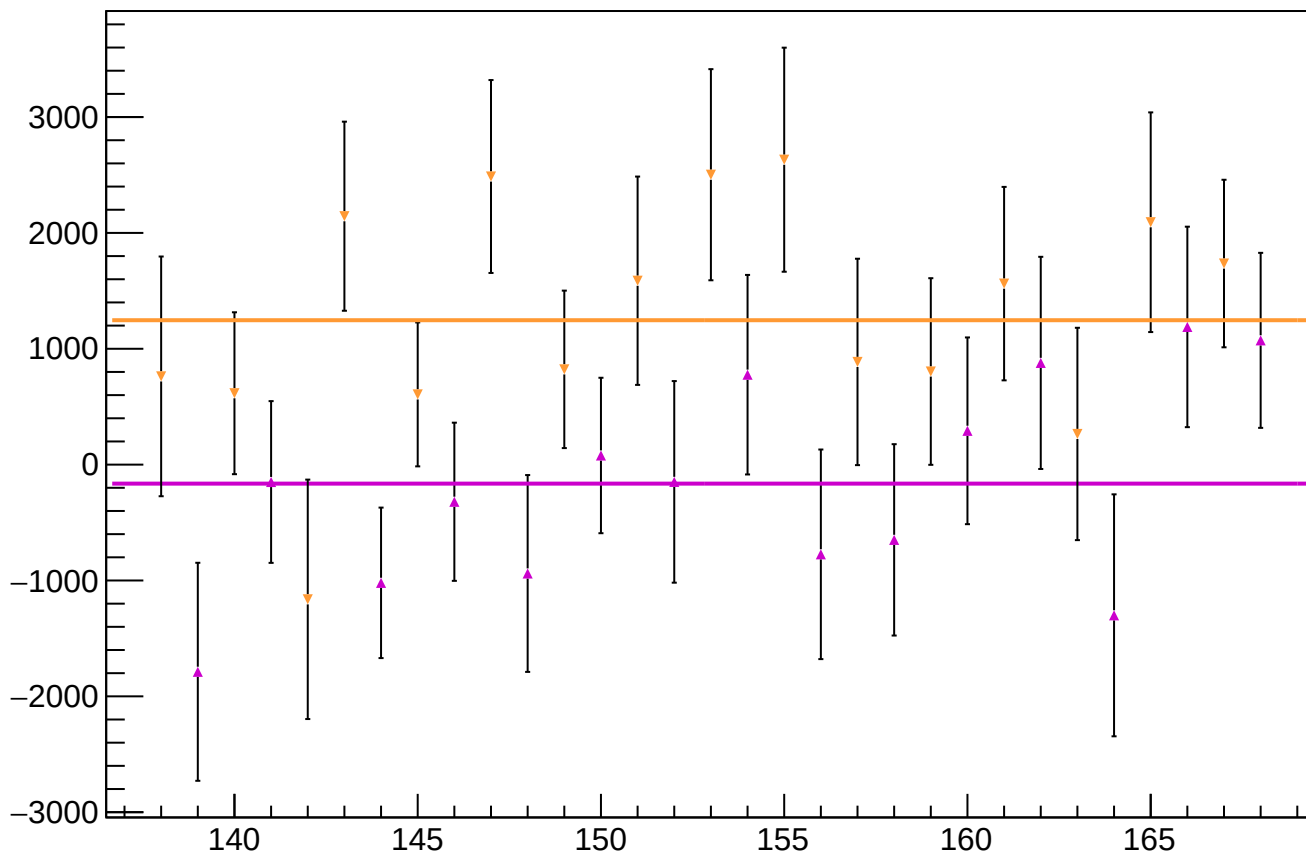
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 709.996+/-0.147 χ^2/NDF :287989.7/14

Out: 708.892+/-0.147 χ^2/NDF :449437.9/15

All: 709.443+/-0.104 χ^2/NDF : 737455.7/30

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1246.467+/-205.912 χ^2/NDF :18.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -163.976+/-206.712 χ^2/NDF :15.7/14

Left: 543.979+/-145.884 χ^2/NDF : 57.5/30

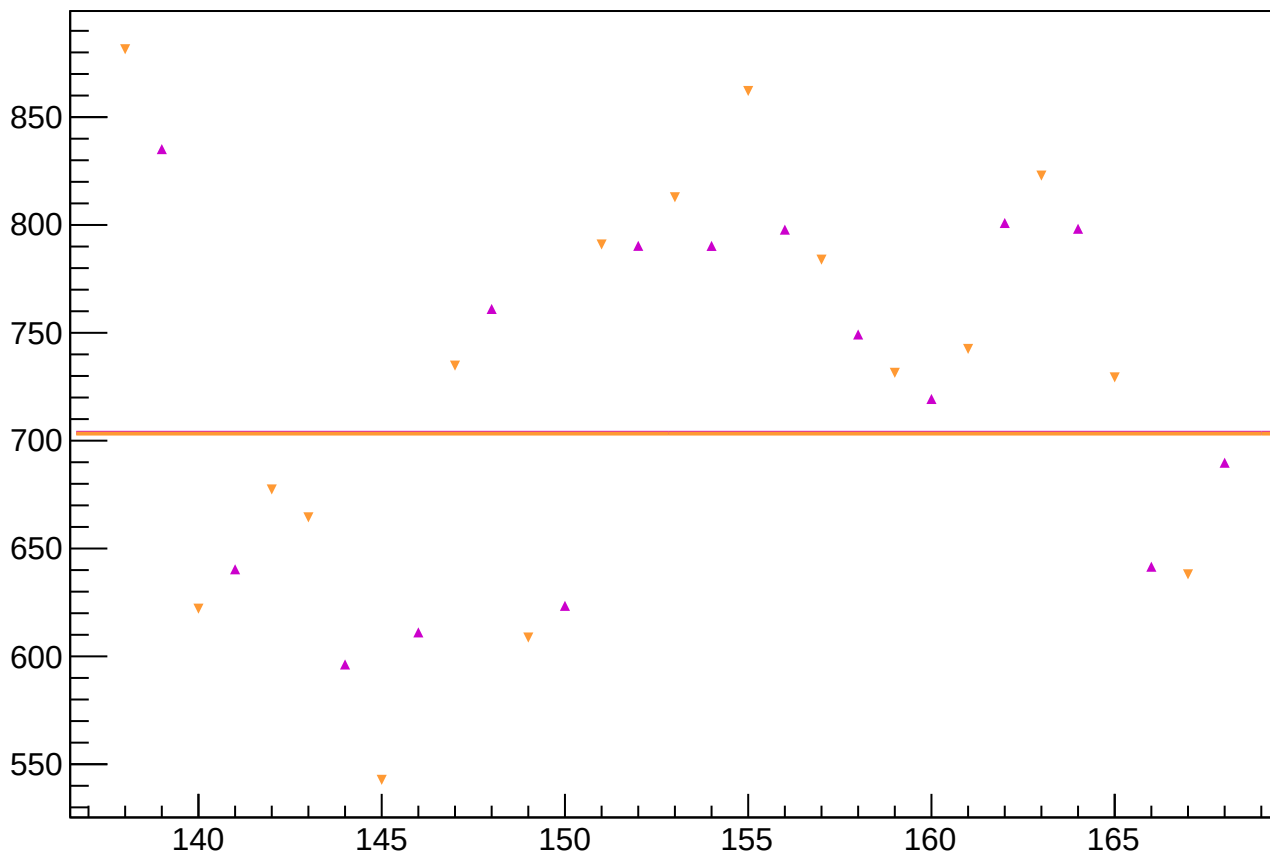
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -163.976+/-206.712 χ^2/NDF :15.7/14

Out: 1246.467+/-205.912 χ^2/NDF :18.5/15

All: 543.979+/-145.884 χ^2/NDF : 57.5/30

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 703.300+/-0.146 χ^2/NDF :444291.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 703.643+/-0.146 χ^2/NDF :303297.5/14

Left: 703.471+/-0.103 χ^2/NDF : 747591.3/30

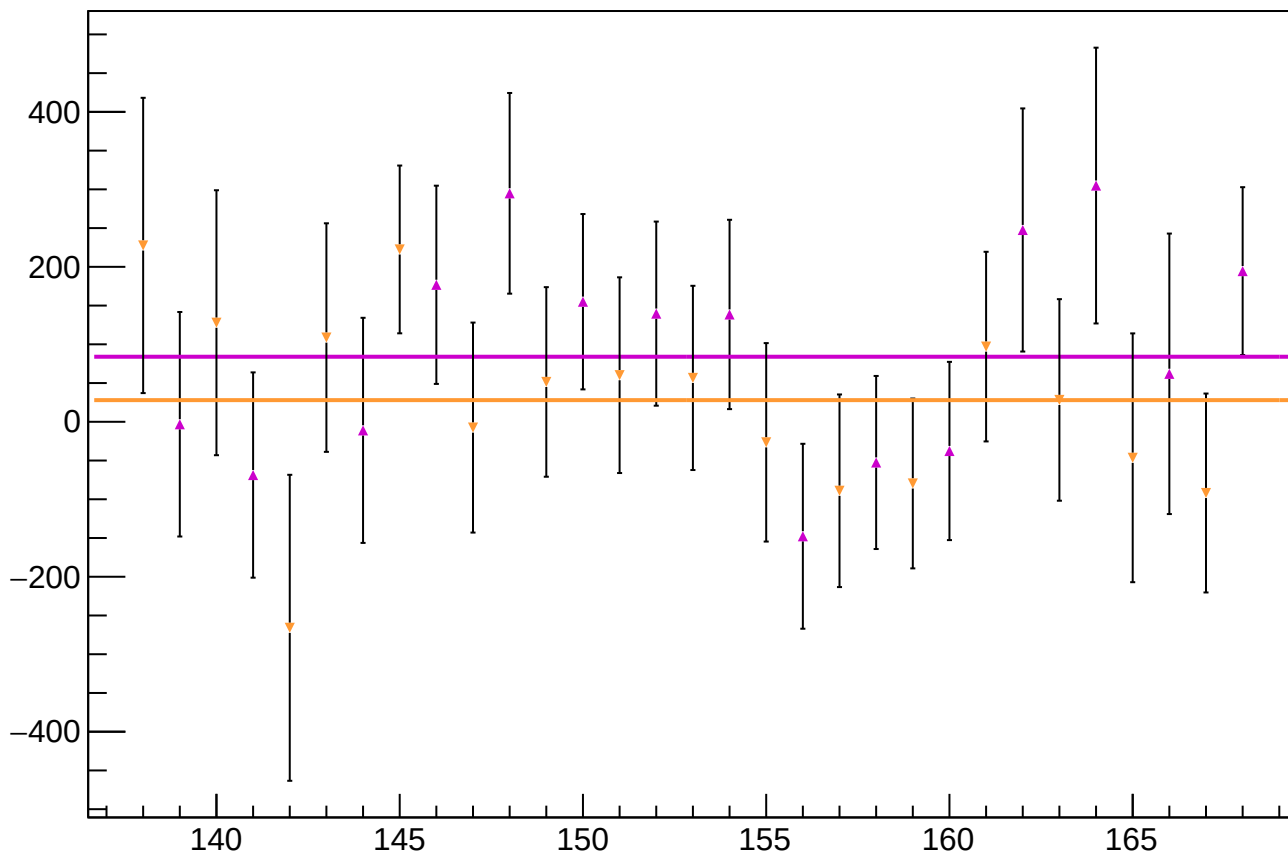
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 703.643+/-0.146 χ^2/NDF :303297.5/14

Out: 703.300+/-0.146 χ^2/NDF :444291.1/15

All: 703.471+/-0.103 χ^2/NDF : 747591.3/30

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 27.952 $\pm$ 33.194 χ^2 /NDF:10.8/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 83.970 $\pm$ 33.286 χ^2 /NDF:16.2/14

Left: 55.883 $\pm$ 23.504 χ^2 /NDF: 28.4/30

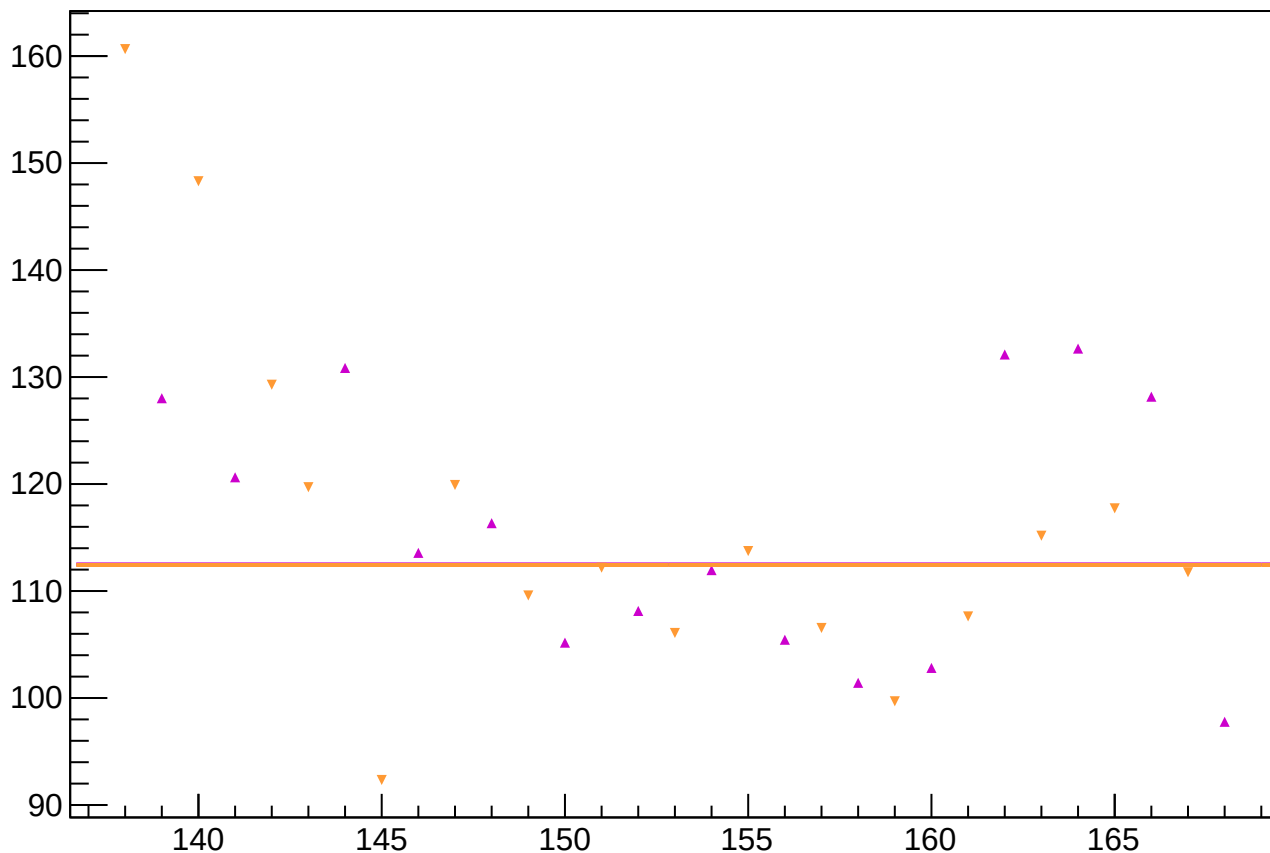
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 83.970 $\pm$ 33.286 χ^2 /NDF:16.2/14

Out: 27.952 $\pm$ 33.194 χ^2 /NDF:10.8/15

All: 55.883 $\pm$ 23.504 χ^2 /NDF: 28.4/30

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 112.435+/-0.023 χ^2/NDF : 355153.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 112.488+/-0.024 χ^2/NDF : 225082.0/14

Left: 112.461+/-0.017 χ^2/NDF : 580238.5/30

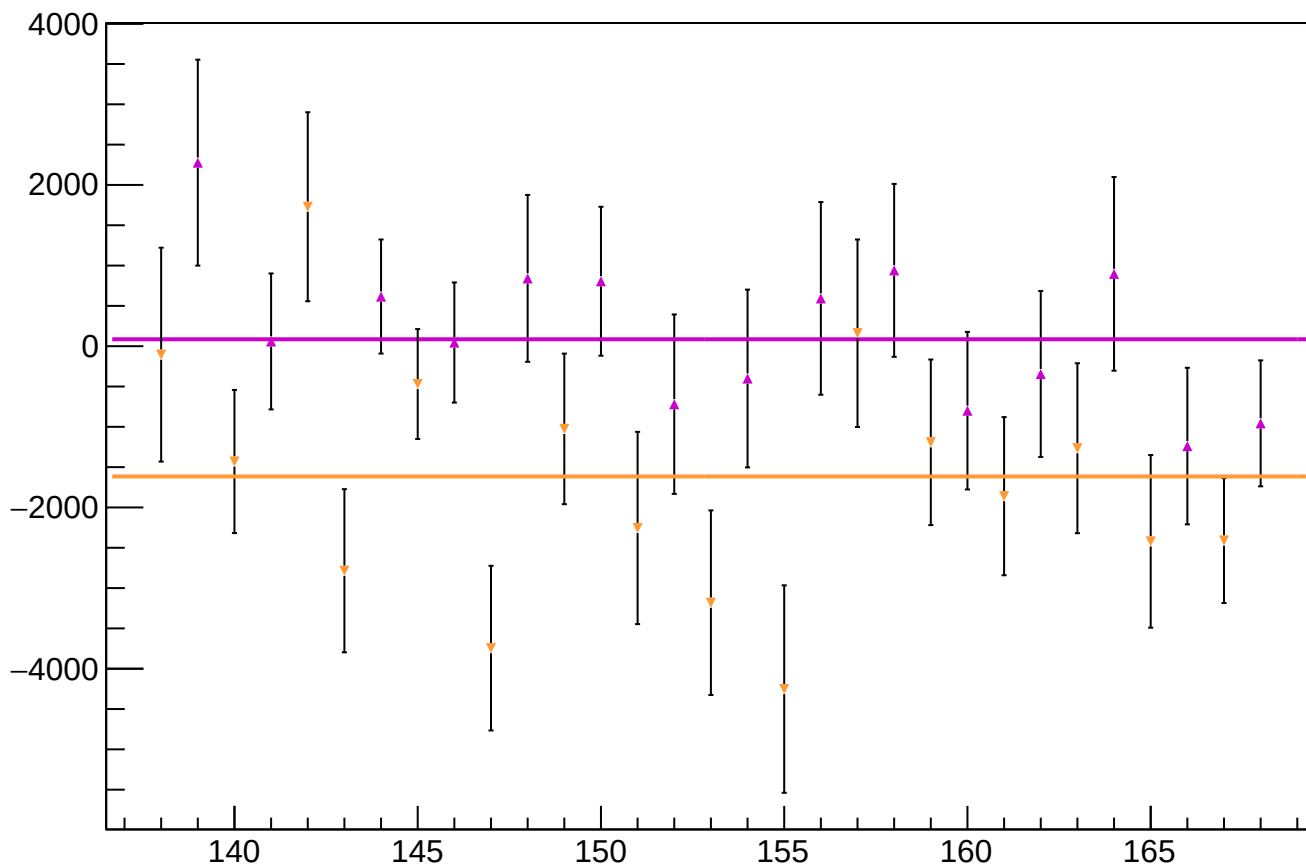
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 112.488+/-0.024 χ^2/NDF : 225082.0/14

Out: 112.435+/-0.023 χ^2/NDF : 355153.8/15

All: 112.461+/-0.017 χ^2/NDF : 580238.5/30

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1615.578+/-249.672 χ^2/NDF :29.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 85.948+/-246.094 χ^2/NDF :11.3/14

Left: -752.536+/-175.266 χ^2/NDF : 63.9/30

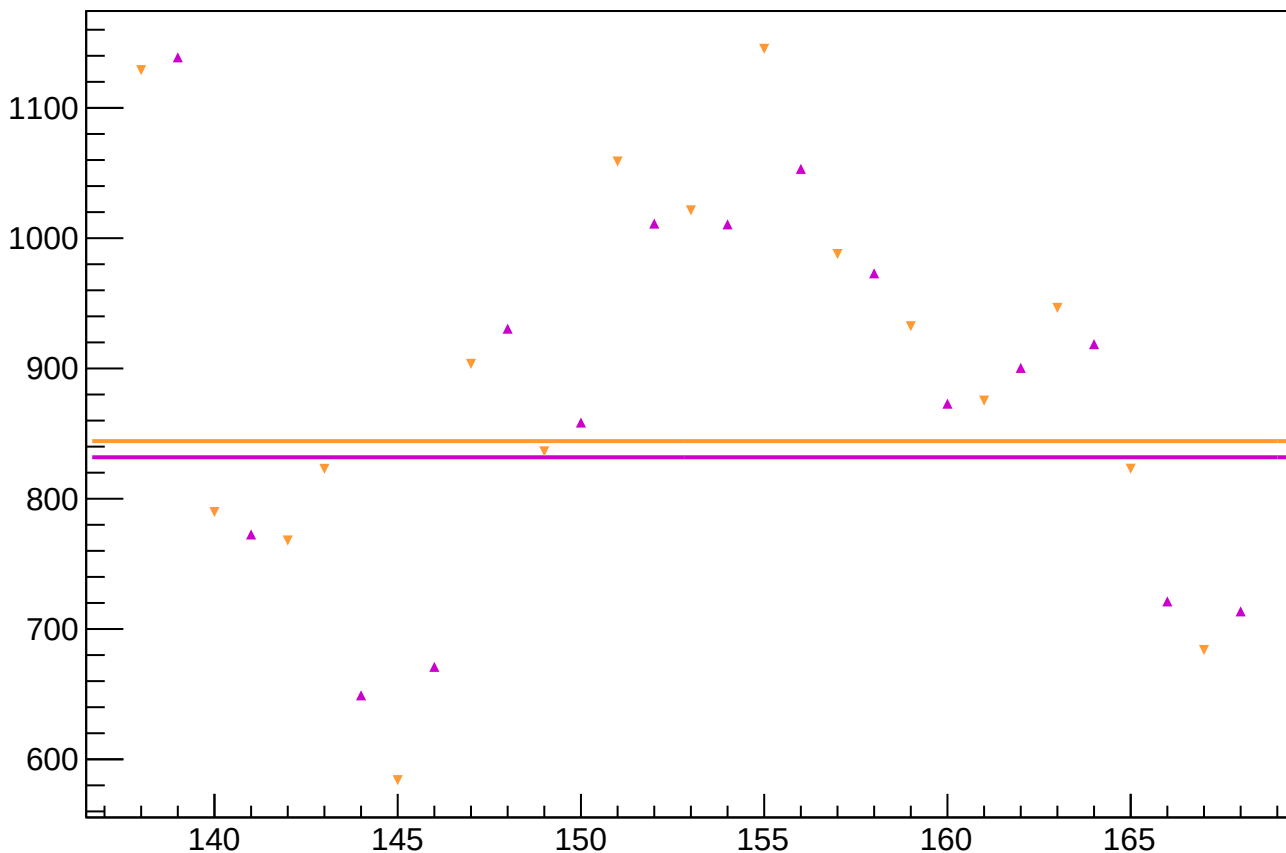
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 85.948+/-246.094 χ^2/NDF :11.3/14

Out: -1615.578+/-249.672 χ^2/NDF :29.1/15

All: -752.536+/-175.266 χ^2/NDF : 63.9/30

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 844.243+/-0.177 χ^2/NDF : 782422.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 831.835+/-0.174 χ^2/NDF : 674643.7/14

Left: 837.950+/-0.124 χ^2/NDF : 1459571.6/30

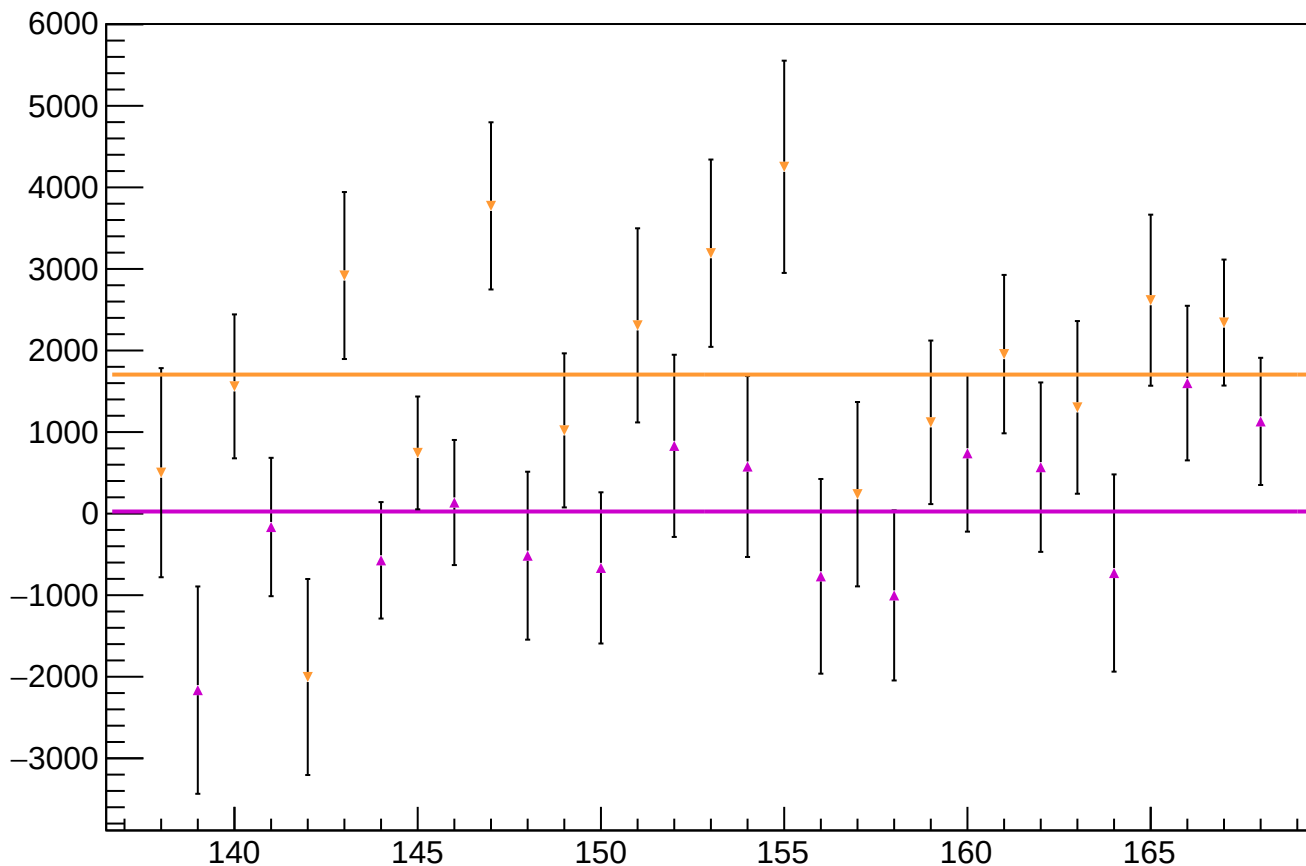
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 831.835+/-0.174 χ^2/NDF : 674643.7/14

Out: 844.243+/-0.177 χ^2/NDF : 782422.3/15

All: 837.950+/-0.124 χ^2/NDF : 1459571.6/30

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1704.906+/-249.421 χ^2/NDF :27.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 25.944+/-246.441 χ^2/NDF :12.7/14

Left: 855.333+/-175.304 χ^2/NDF : 63.5/30

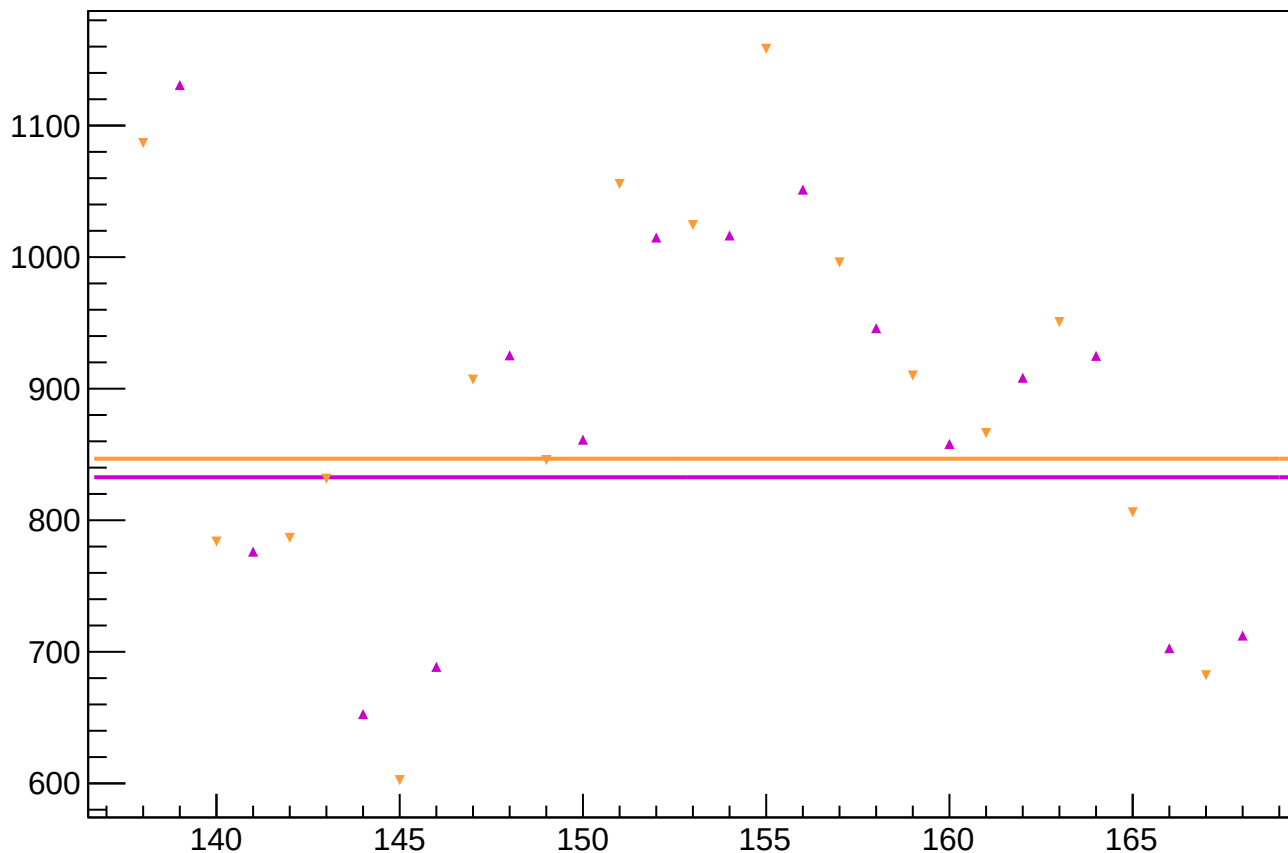
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 25.944+/-246.441 χ^2/NDF :12.7/14

Out: 1704.906+/-249.421 χ^2/NDF :27.8/15

All: 855.333+/-175.304 χ^2/NDF : 63.5/30

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 846.788+/-0.176 χ^2/NDF : 722951.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 832.676+/-0.174 χ^2/NDF : 642494.2/14

Left: 839.647+/-0.124 χ^2/NDF : 1368685.1/30

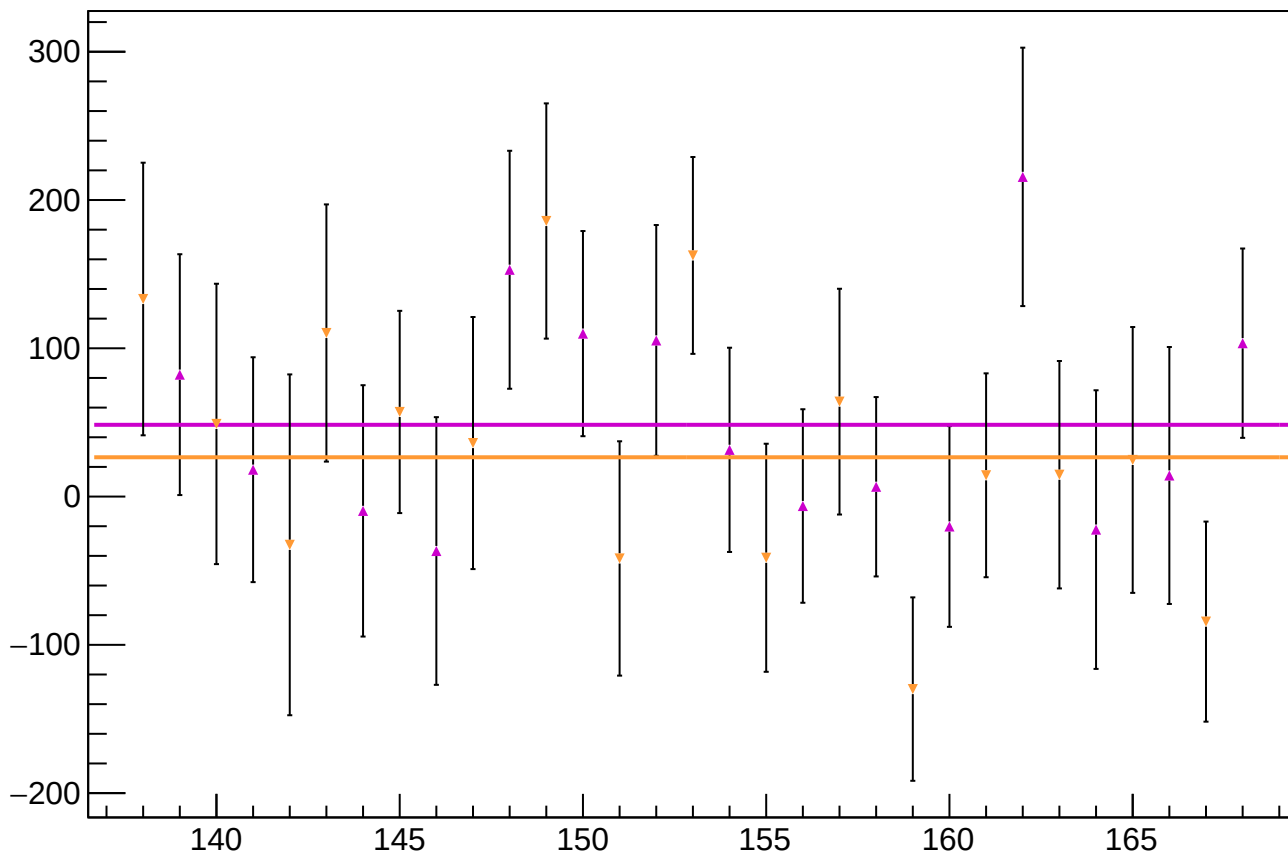
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 832.676+/-0.174 χ^2/NDF : 642494.2/14

Out: 846.788+/-0.176 χ^2/NDF : 722951.1/15

All: 839.647+/-0.124 χ^2/NDF : 1368685.1/30

dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 26.502 $\pm$ 19.364 χ^2 /NDF:22.0/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 48.394 $\pm$ 19.326 χ^2 /NDF:12.1/14

Left: 37.469 $\pm$ 13.679 χ^2 /NDF: 34.7/30

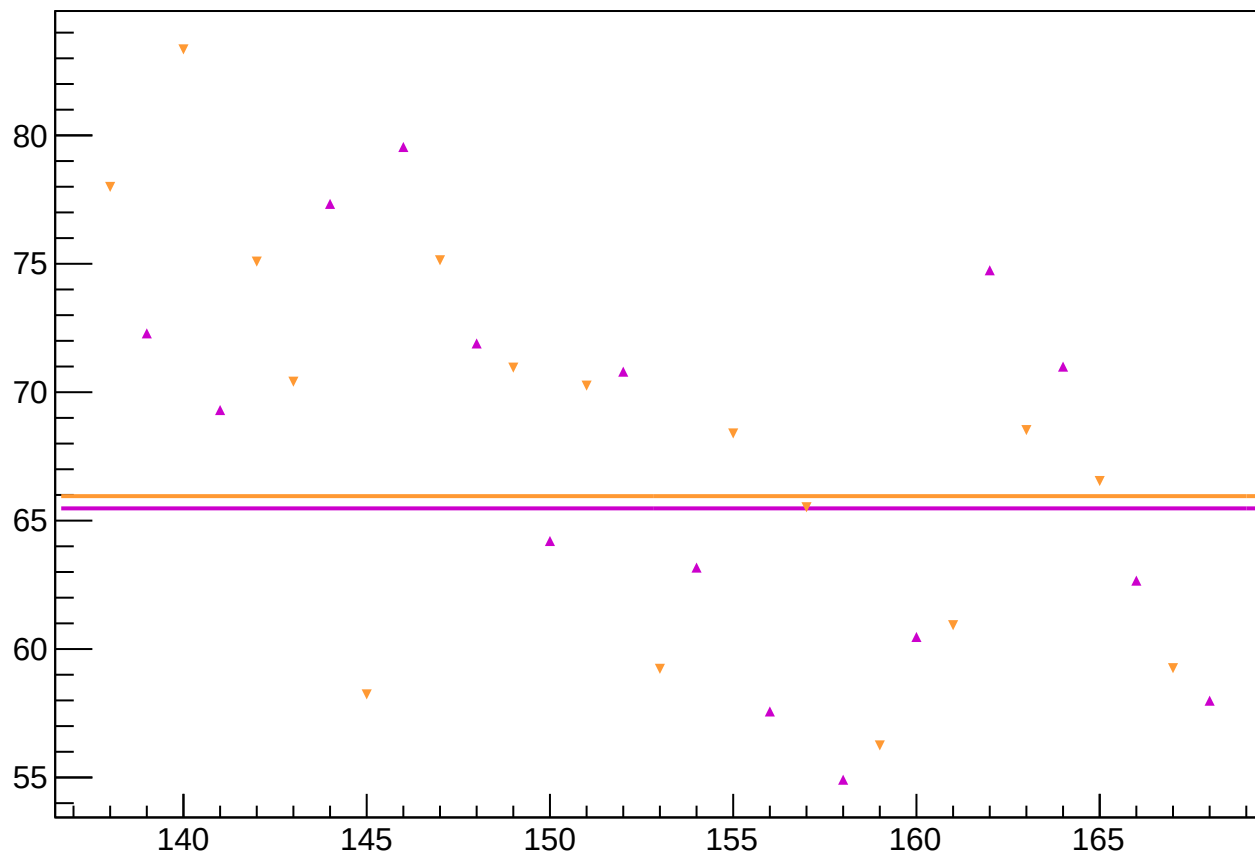
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 48.394 $\pm$ 19.326 χ^2 /NDF:12.1/14

Out: 26.502 $\pm$ 19.364 χ^2 /NDF:22.0/15

All: 37.469 $\pm$ 13.679 χ^2 /NDF: 34.7/30

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 65.953+/-0.014 χ^2/NDF :287329.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 65.477+/-0.014 χ^2/NDF :292432.5/14

Left: 65.715+/-0.010 χ^2/NDF : 580367.9/30

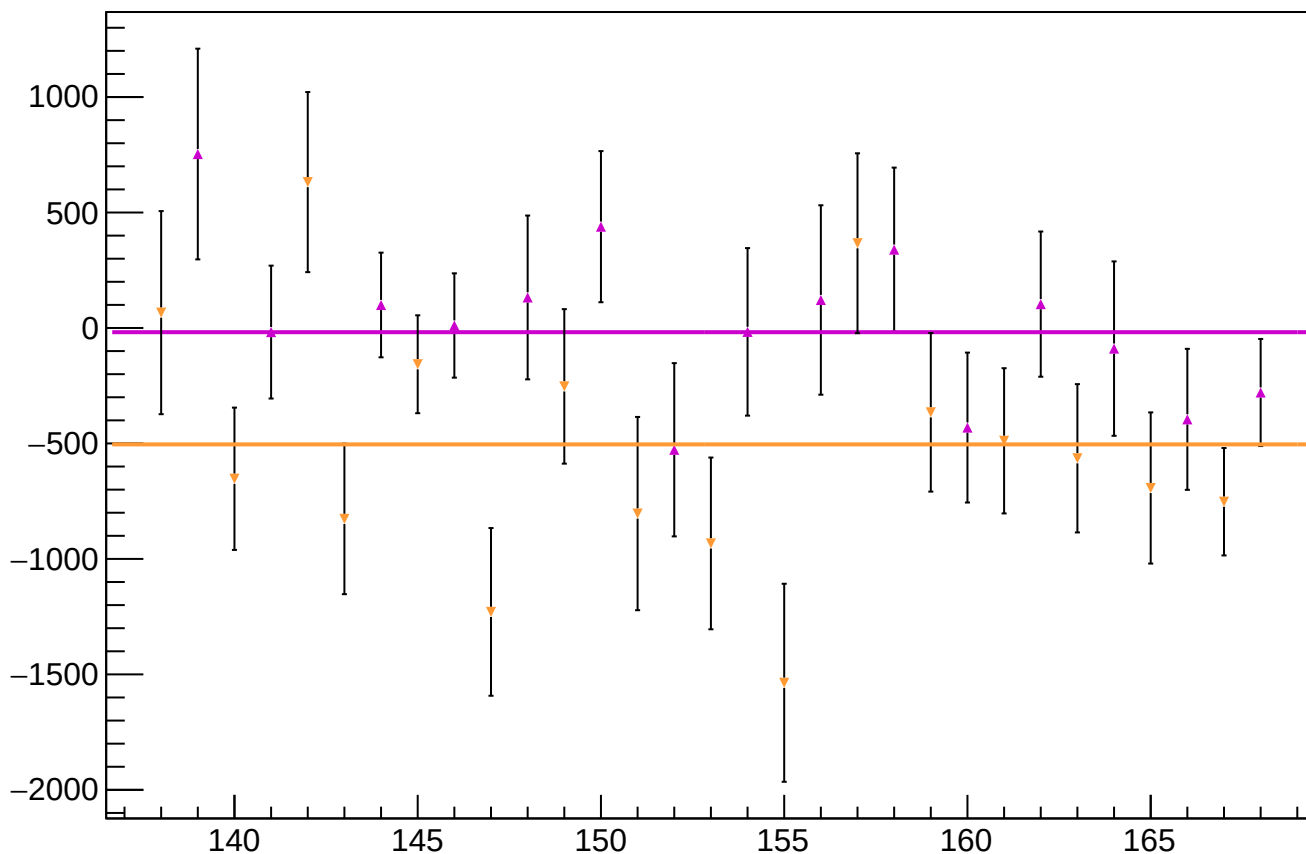
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 65.477+/-0.014 χ^2/NDF :292432.5/14

Out: 65.953+/-0.014 χ^2/NDF :287329.0/15

All: 65.715+/-0.010 χ^2/NDF : 580367.9/30

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -504.086+/-81.227 χ^2/NDF :32.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -18.225+/-79.614 χ^2/NDF :12.8/14

Left: -256.283+/-56.857 χ^2/NDF : 64.0/30

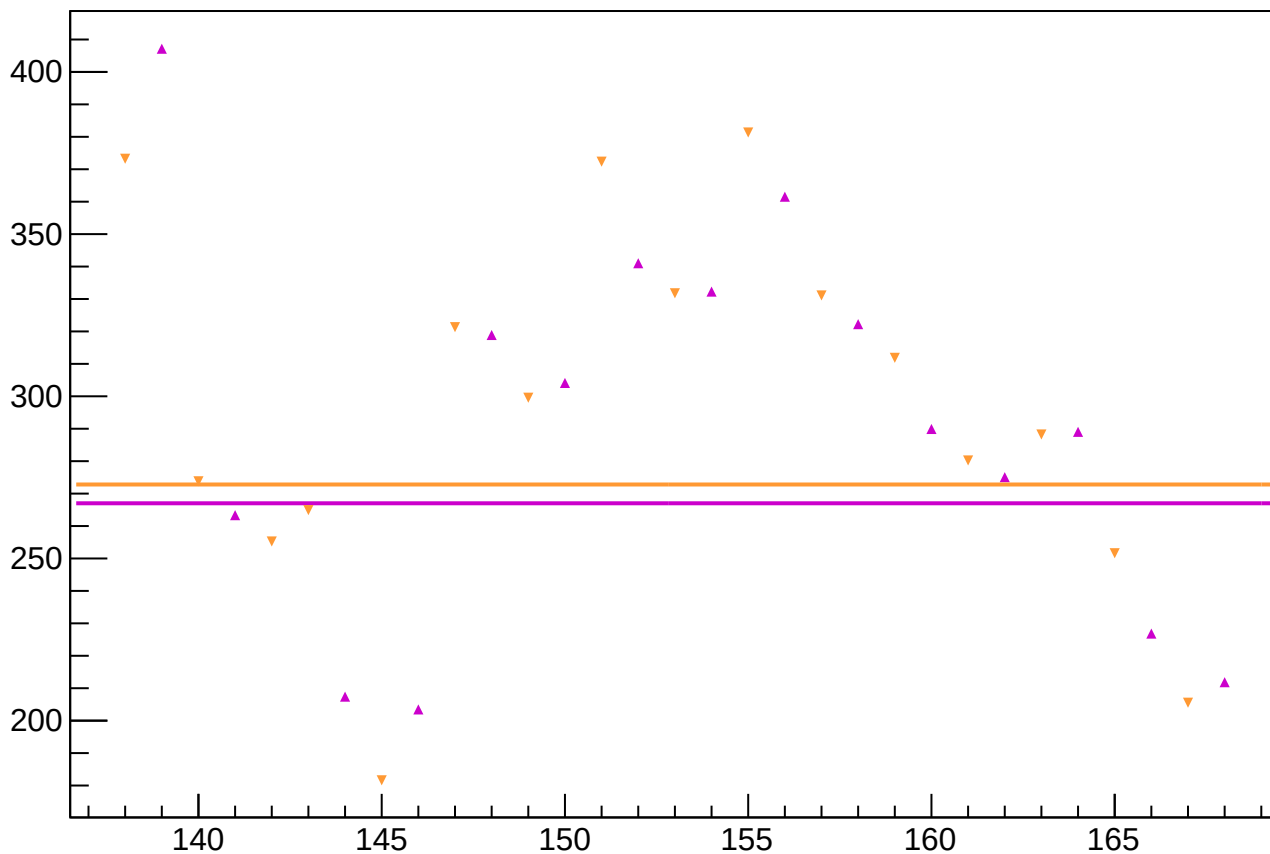
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.225+/-79.614 χ^2/NDF :12.8/14

Out: -504.086+/-81.227 χ^2/NDF :32.9/15

All: -256.283+/-56.857 χ^2/NDF : 64.0/30

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 272.809+/-0.057 χ^2/NDF :1072030.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 267.017+/-0.056 χ^2/NDF :1017307.0/14

Left: 269.855+/-0.040 χ^2/NDF : 2094523.8/30

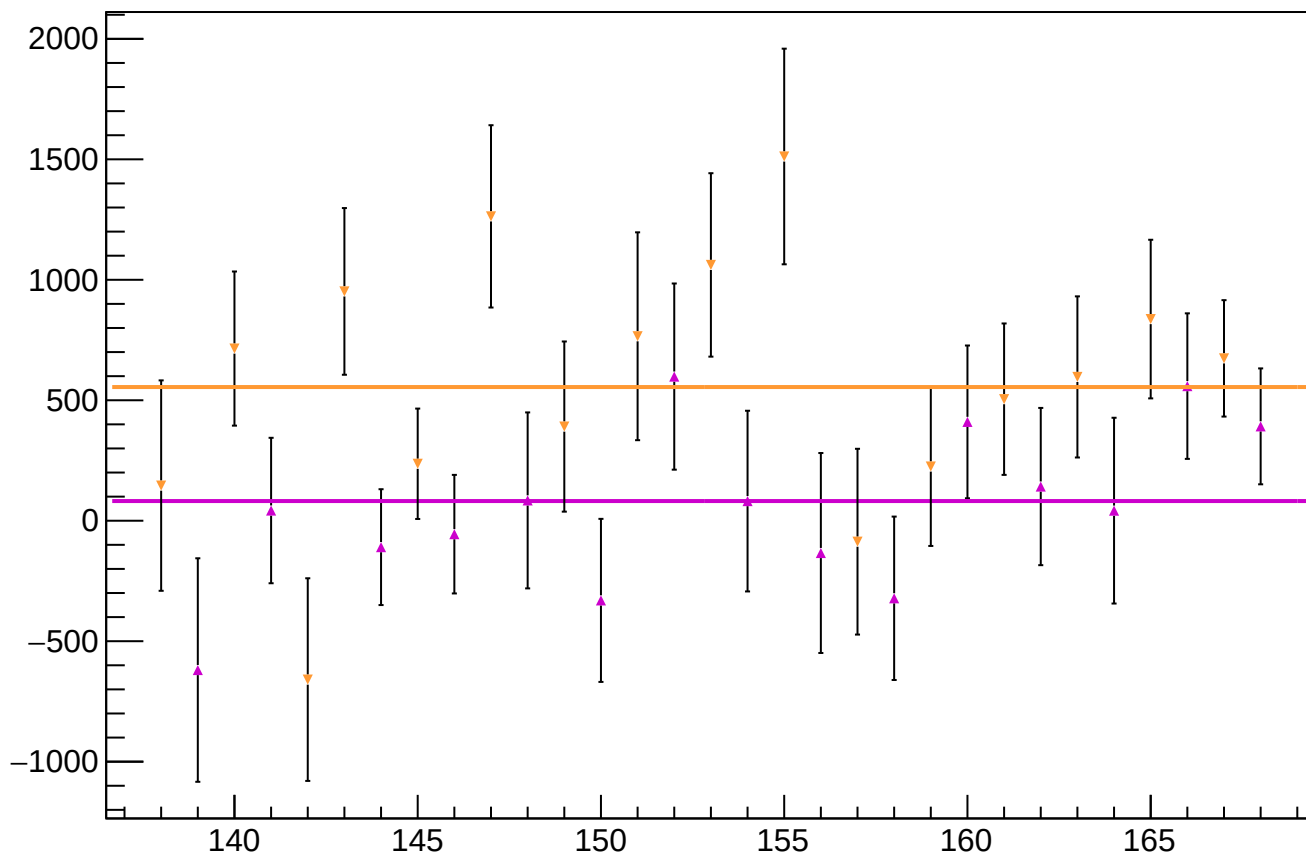
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 267.017+/-0.056 χ^2/NDF :1017307.0/14

Out: 272.809+/-0.057 χ^2/NDF :1072030.5/15

All: 269.855+/-0.040 χ^2/NDF : 2094523.8/30

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 554.846+/-84.003 χ^2/NDF :27.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 81.669+/-82.114 χ^2/NDF :13.5/14

Left: 312.877+/-58.720 χ^2/NDF : 57.5/30

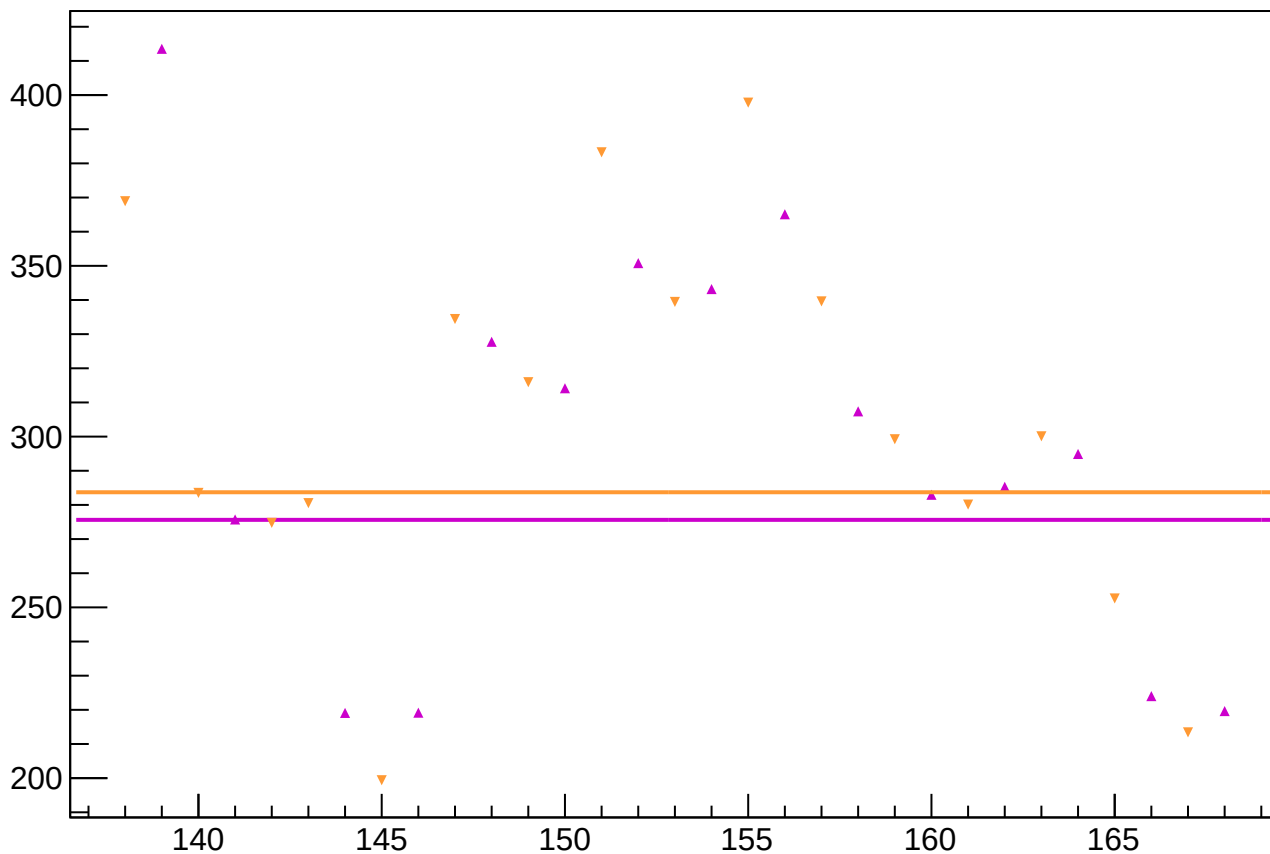
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 81.669+/-82.114 χ^2/NDF :13.5/14

Out: 554.846+/-84.003 χ^2/NDF :27.8/15

All: 312.877+/-58.720 χ^2/NDF : 57.5/30

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 283.708+/-0.059 χ^2/NDF : 918838.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 275.626+/-0.058 χ^2/NDF : 885183.6/14

Left: 279.575+/-0.042 χ^2/NDF : 1813488.6/30

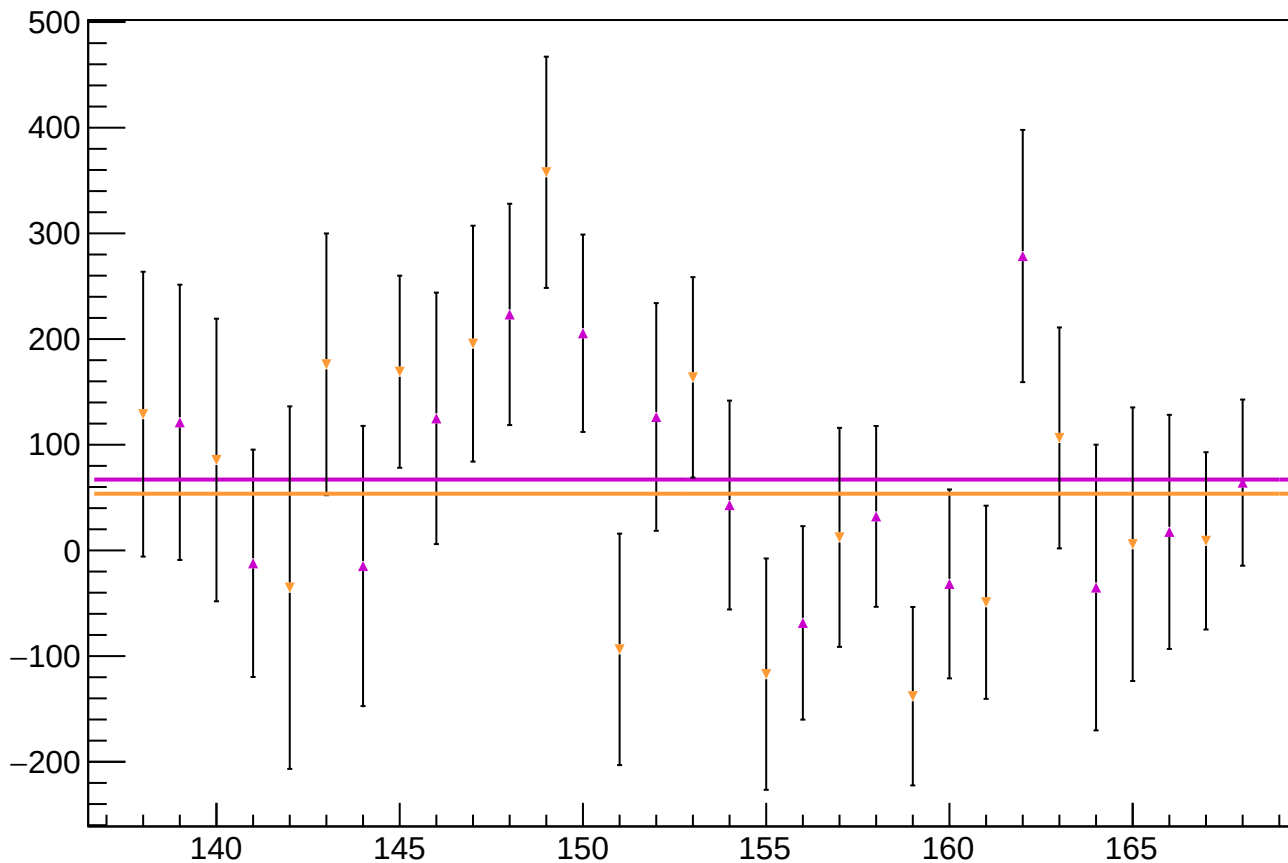
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 275.626+/-0.058 χ^2/NDF : 885183.6/14

Out: 283.708+/-0.059 χ^2/NDF : 918838.3/15

All: 279.575+/-0.042 χ^2/NDF : 1813488.6/30

dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 53.653 $\pm$ 26.541 χ^2 /NDF:25.4/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 67.050 $\pm$ 26.567 χ^2 /NDF:13.6/14

Left: 60.345 $\pm$ 18.776 χ^2 /NDF: 39.2/30

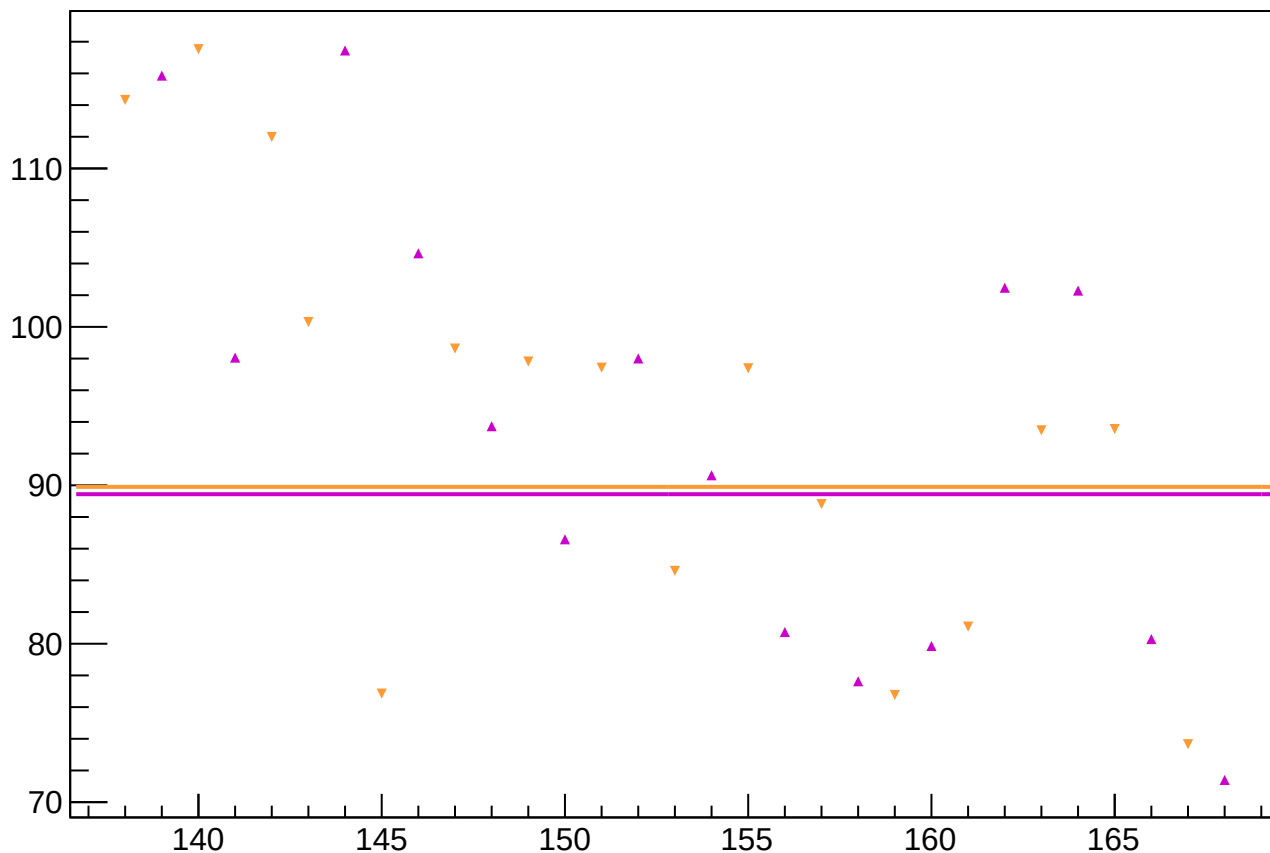
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 67.050 $\pm$ 26.567 χ^2 /NDF:13.6/14

Out: 53.653 $\pm$ 26.541 χ^2 /NDF:25.4/15

All: 60.345 $\pm$ 18.776 χ^2 /NDF: 39.2/30

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 89.902+/-0.019 χ^2/NDF :433530.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 89.438+/-0.019 χ^2/NDF :475284.0/14

Left: 89.670+/-0.013 χ^2/NDF : 909119.3/30

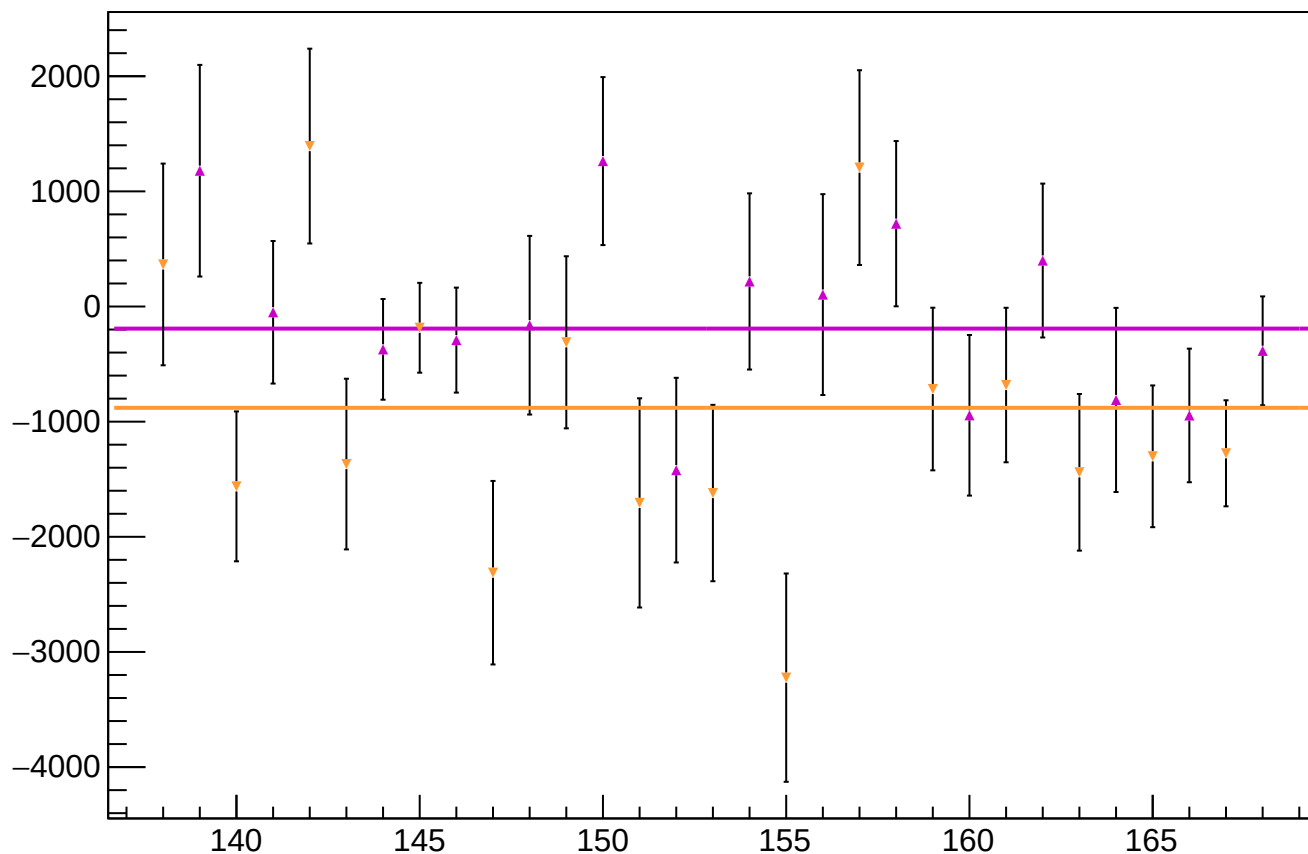
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 89.438+/-0.019 χ^2/NDF :475284.0/14

Out: 89.902+/-0.019 χ^2/NDF :433530.7/15

All: 89.670+/-0.013 χ^2/NDF : 909119.3/30

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -879.687+/-166.435 χ^2/NDF :34.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -191.852+/-163.957 χ^2/NDF :15.2/14

Left: -530.610+/-116.801 χ^2/NDF : 58.3/30

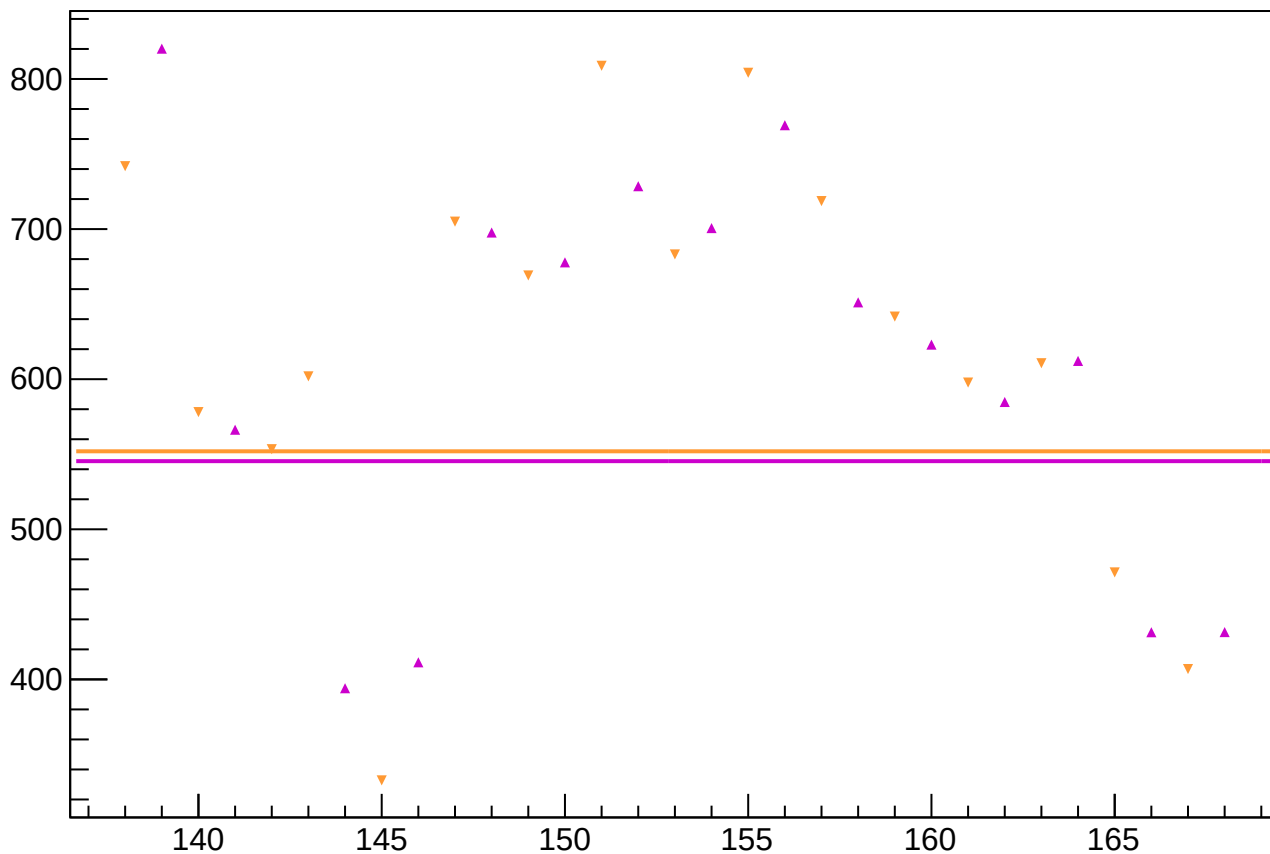
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -191.852+/-163.957 χ^2/NDF :15.2/14

Out: -879.687+/-166.435 χ^2/NDF :34.3/15

All: -530.610+/-116.801 χ^2/NDF : 58.3/30

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 551.960+/-0.118 χ^2/NDF :1601953.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 545.394+/-0.116 χ^2/NDF :1337190.9/14

Left: 548.628+/-0.083 χ^2/NDF : 2940724.5/30

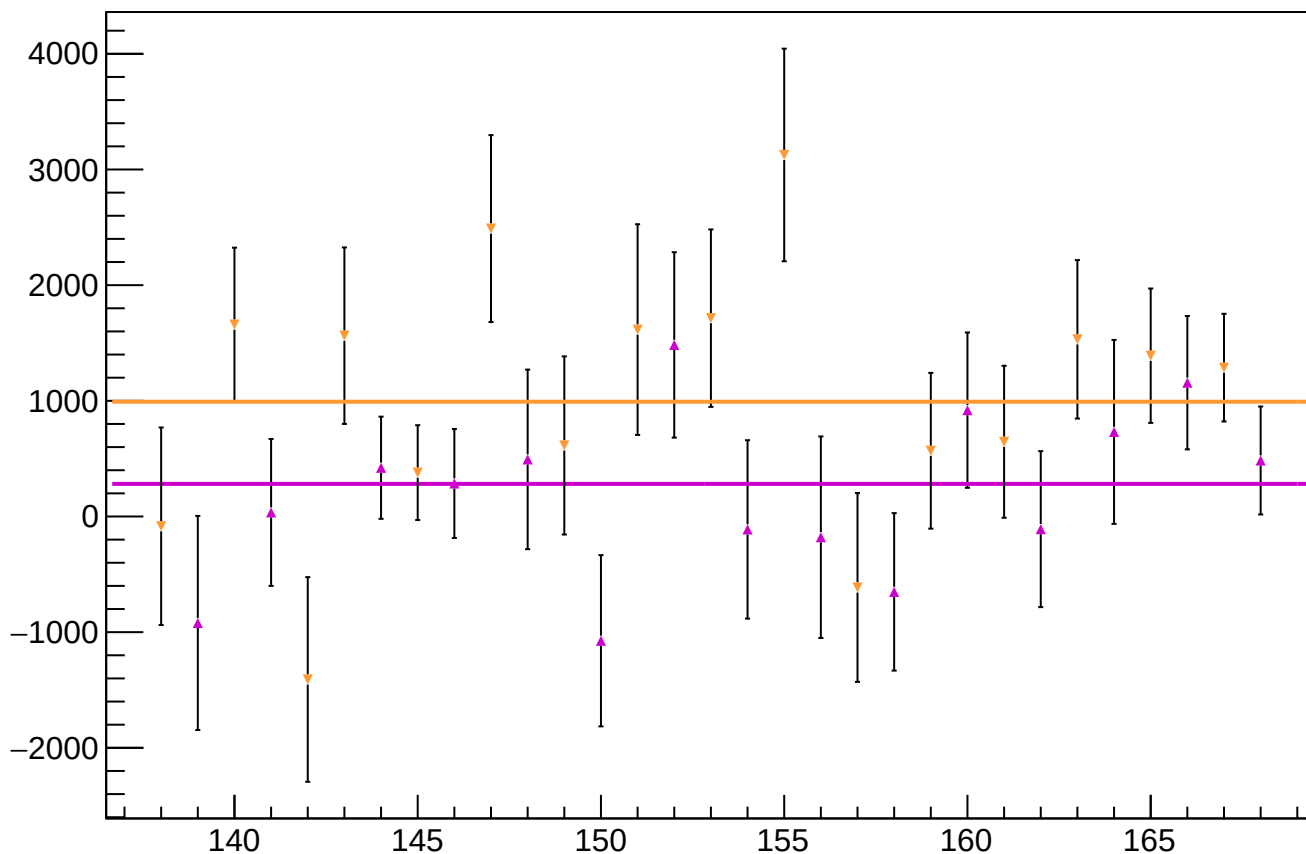
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 545.394+/-0.116 χ^2/NDF :1337190.9/14

Out: 551.960+/-0.118 χ^2/NDF :1601953.9/15

All: 548.628+/-0.083 χ^2/NDF : 2940724.5/30

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 992.166+/-167.564 χ^2/NDF : 29.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 282.013+/-164.234 χ^2/NDF : 14.1/14

Left: 629.964+/-117.291 χ^2/NDF : 52.5/30

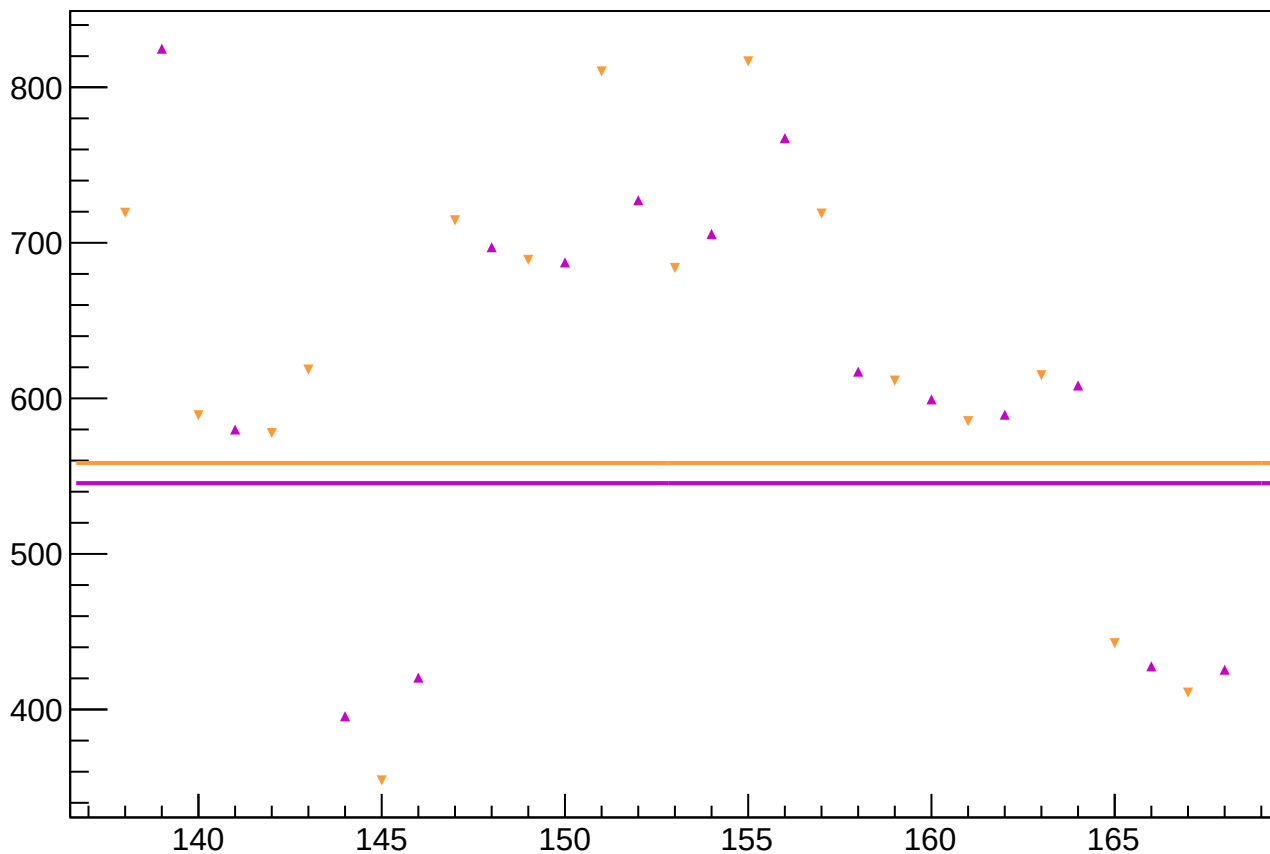
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 282.013+/-164.234 χ^2/NDF : 14.1/14

Out: 992.166+/-167.564 χ^2/NDF : 29.2/15

All: 629.964+/-117.291 χ^2/NDF : 52.5/30

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 558.472+/-0.118 χ^2/NDF :1466958.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 545.537+/-0.116 χ^2/NDF :1299332.1/14

Left: 551.874+/-0.083 χ^2/NDF : 2772369.7/30

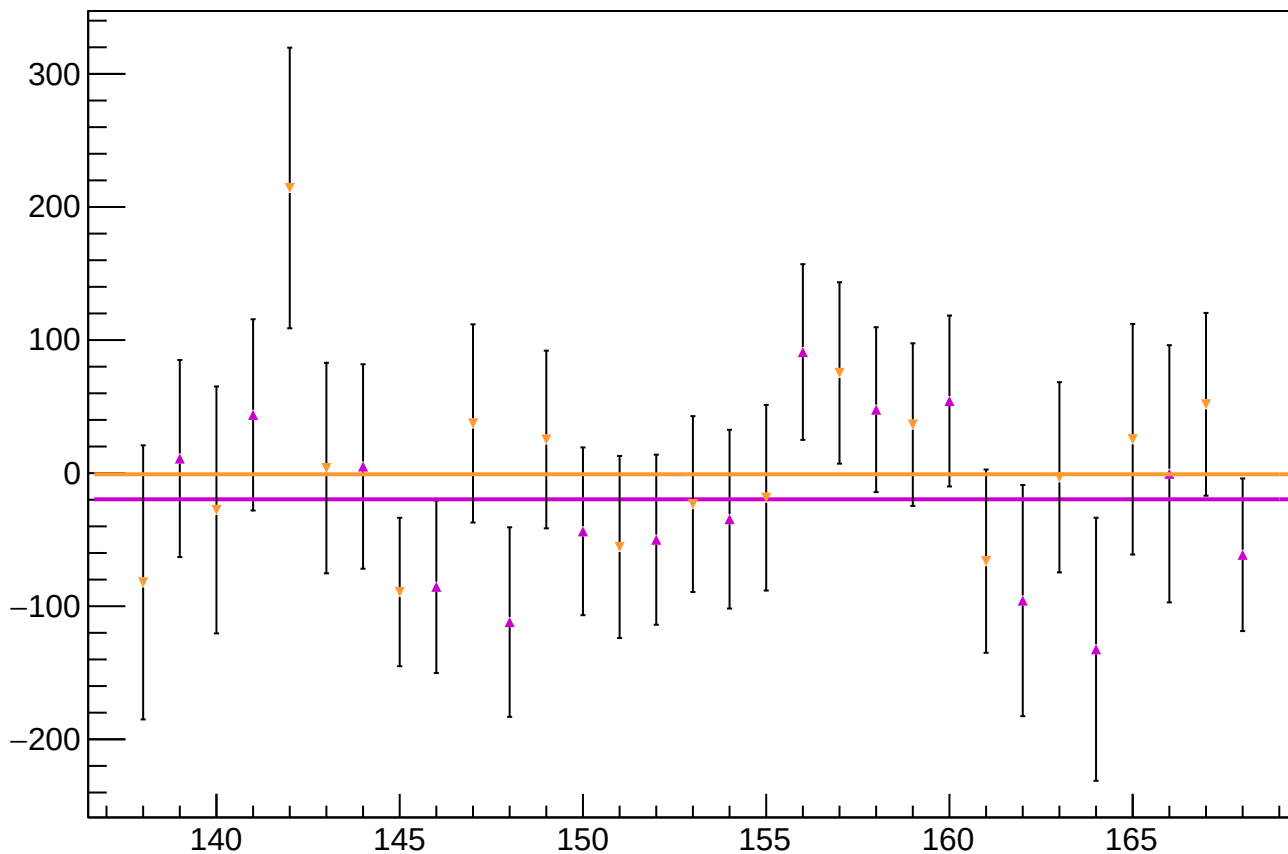
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 545.537+/-0.116 χ^2/NDF :1299332.1/14

Out: 558.472+/-0.118 χ^2/NDF :1466958.8/15

All: 551.874+/-0.083 χ^2/NDF : 2772369.7/30

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -0.849+/-18.048 χ^2/NDF :11.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -19.657+/-18.026 χ^2/NDF :12.1/14

Left: -10.265+/-12.754 χ^2/NDF : 24.5/30

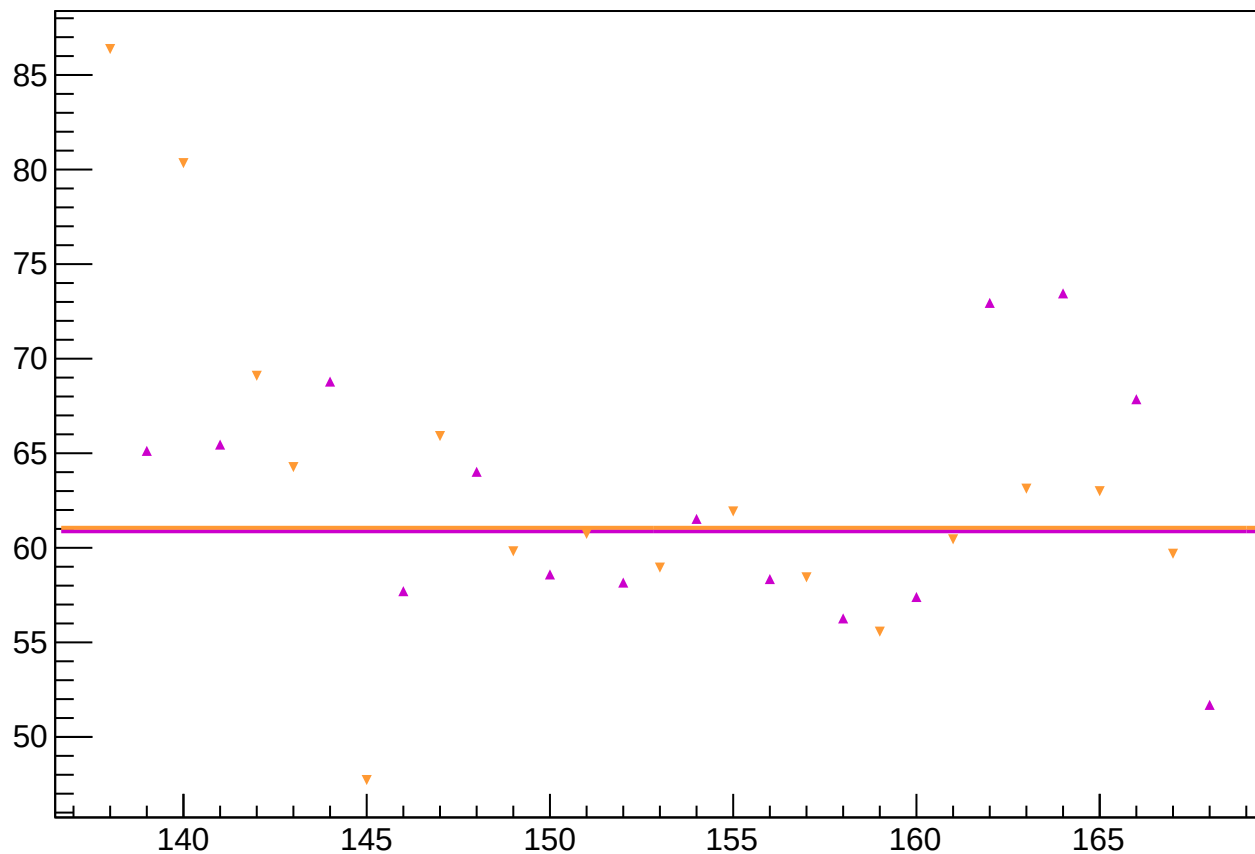
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.657+/-18.026 χ^2/NDF :12.1/14

Out: -0.849+/-18.048 χ^2/NDF :11.8/15

All: -10.265+/-12.754 χ^2/NDF : 24.5/30

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 61.058+/-0.013 χ^2/NDF : 370881.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 60.875+/-0.013 χ^2/NDF : 203645.7/14

Left: 60.966+/-0.009 χ^2/NDF : 574630.9/30

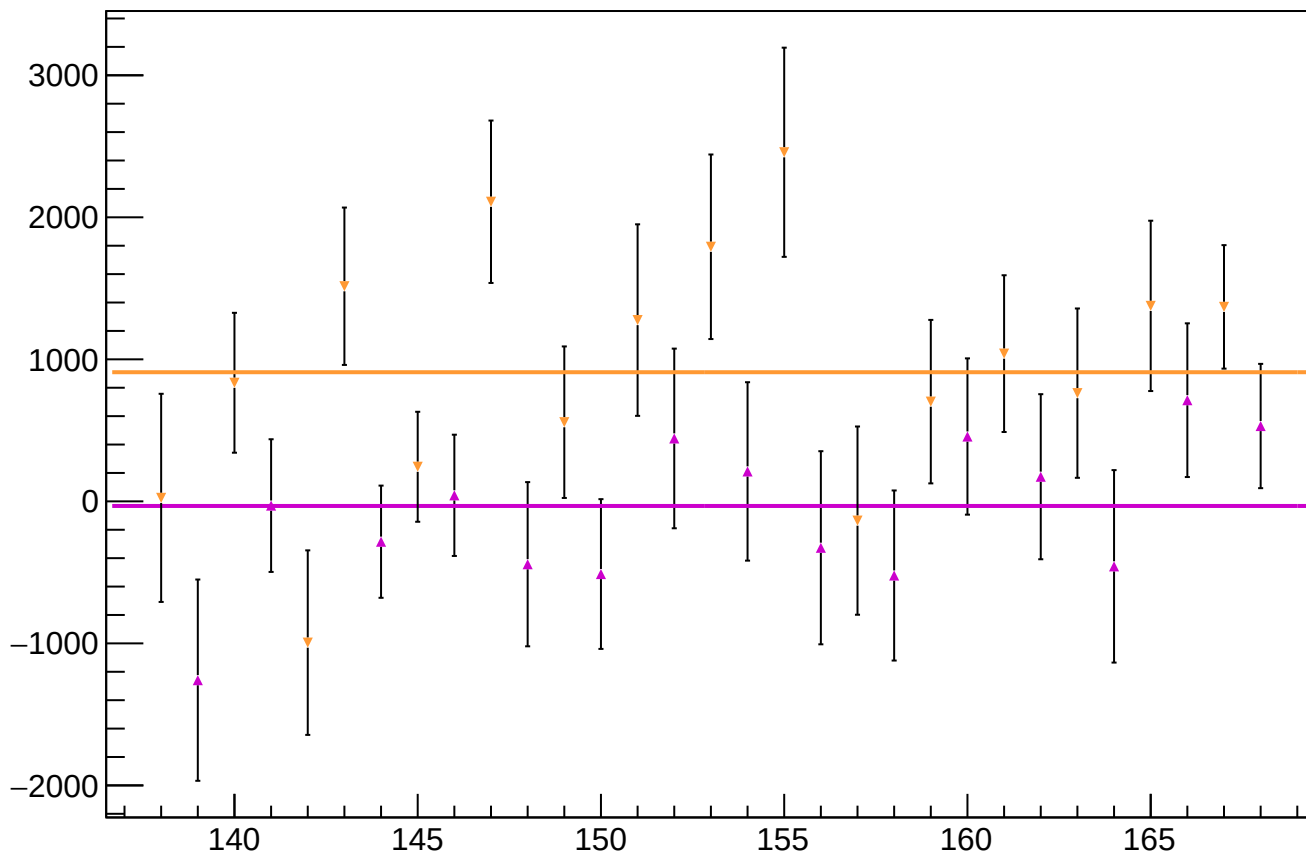
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 60.875+/-0.013 χ^2/NDF : 203645.7/14

Out: 61.058+/-0.013 χ^2/NDF : 370881.5/15

All: 60.966+/-0.009 χ^2/NDF : 574630.9/30

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 909.266+/-140.398 χ^2/NDF :30.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -32.439+/-138.508 χ^2/NDF :11.2/14

Left: 432.033+/-98.602 χ^2/NDF : 64.1/30

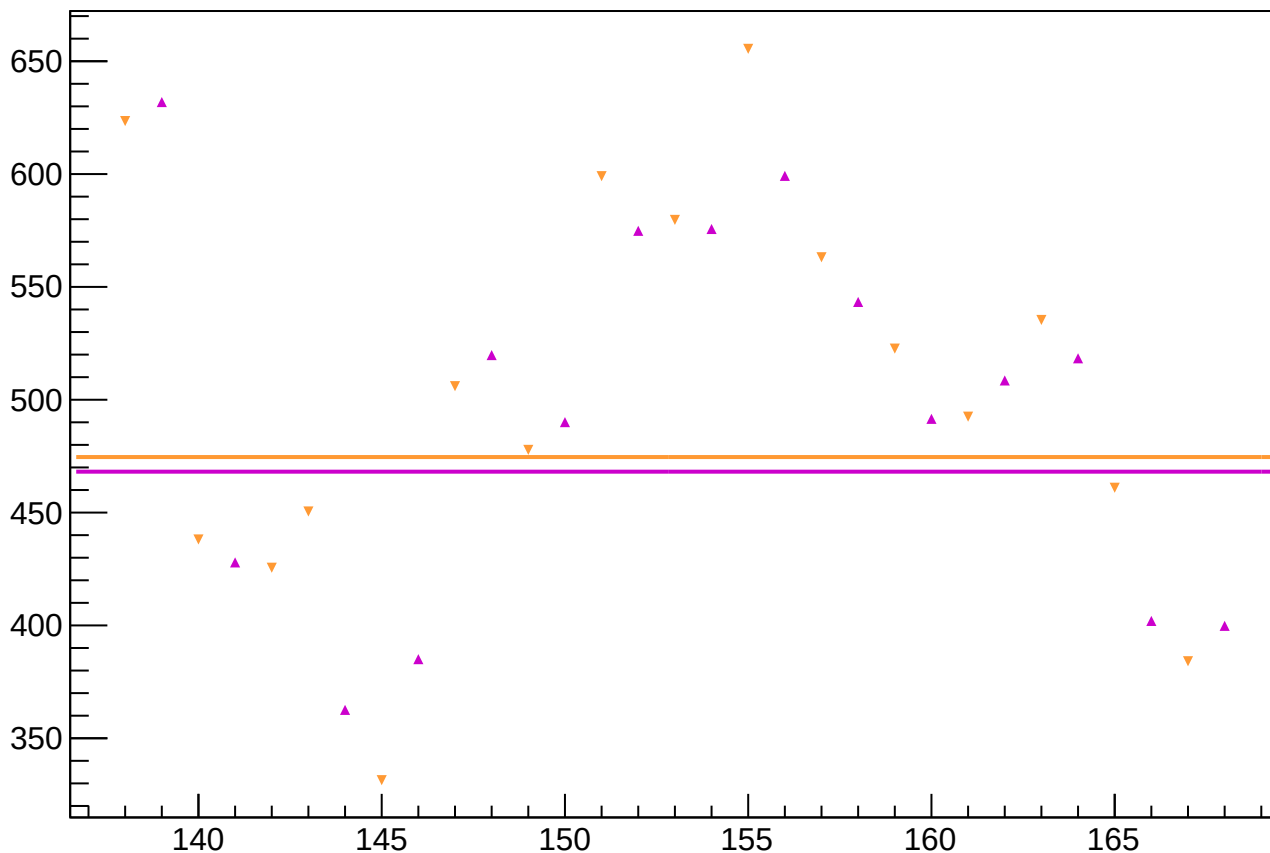
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.439+/-138.508 χ^2/NDF :11.2/14

Out: 909.266+/-140.398 χ^2/NDF :30.1/15

All: 432.033+/-98.602 χ^2/NDF : 64.1/30

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 474.606 $\pm$ 0.099 χ^2/NDF :789577.4/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 468.127 $\pm$ 0.098 χ^2/NDF :683983.9/14

Left: 471.323 $\pm$ 0.070 χ^2/NDF : 1475719.6/30

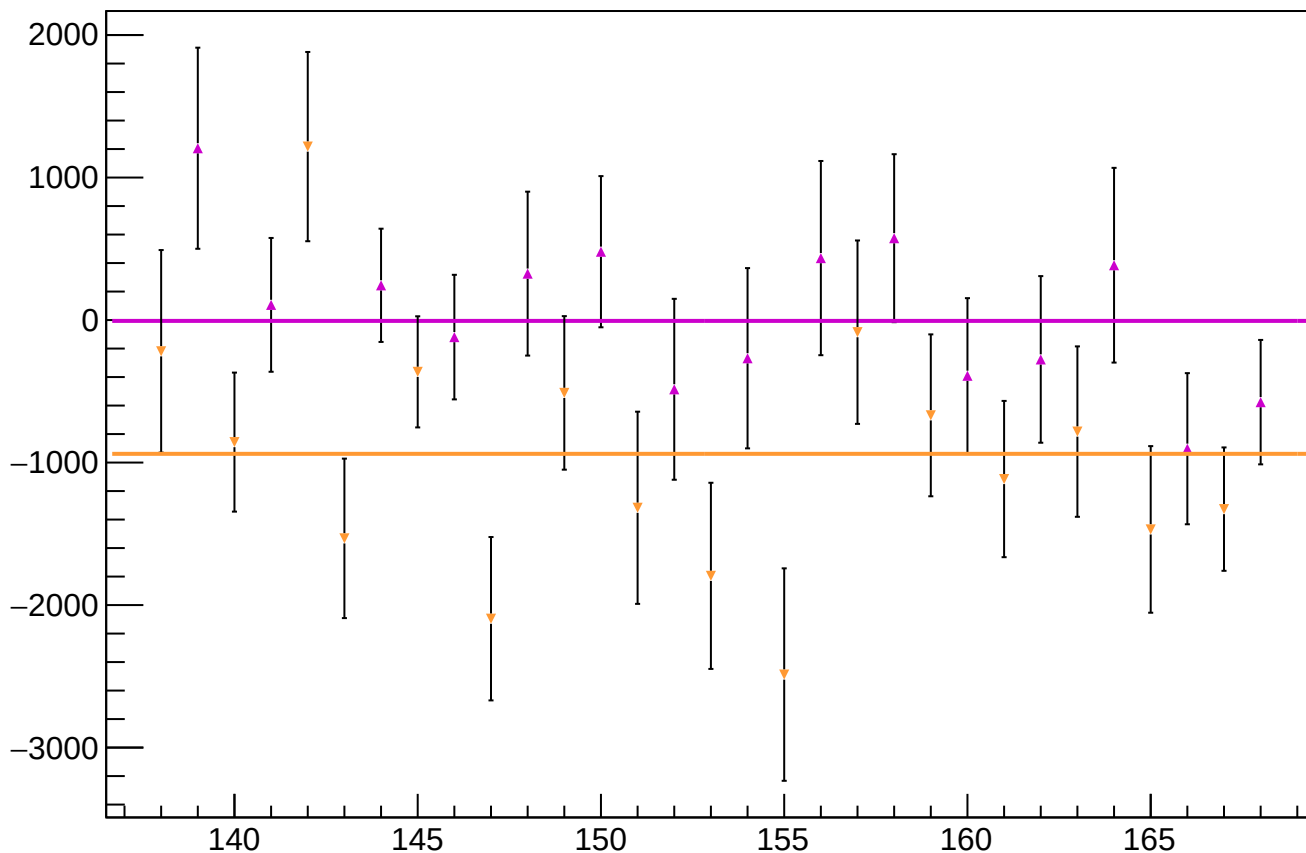
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 468.127 $\pm$ 0.098 χ^2/NDF :683983.9/14

Out: 474.606 $\pm$ 0.099 χ^2/NDF :789577.4/15

All: 471.323 $\pm$ 0.070 χ^2/NDF : 1475719.6/30

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -938.776+/-140.092 χ^2/NDF :29.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -5.905+/-138.743 χ^2/NDF :12.4/14

Left: -467.828+/-98.580 χ^2/NDF : 64.5/30

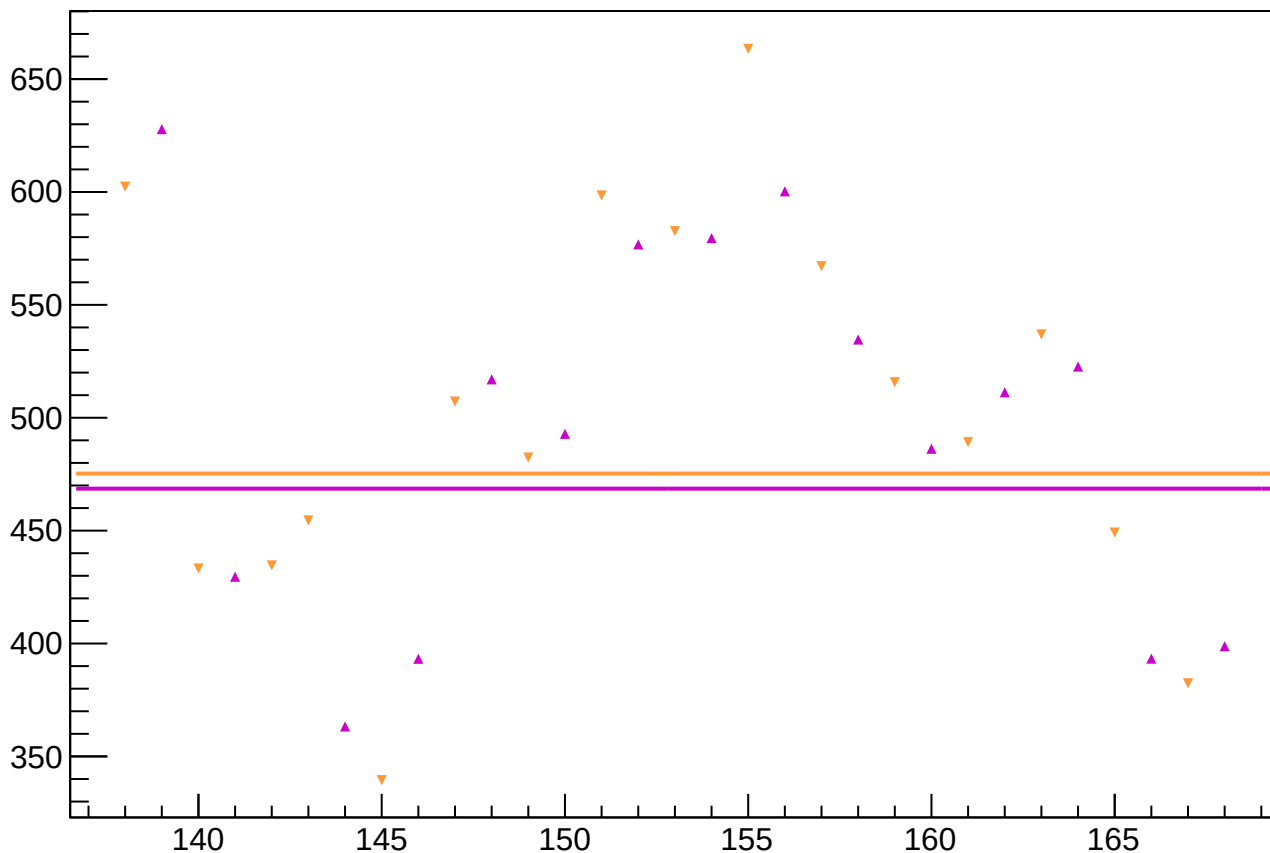
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -5.905+/-138.743 χ^2/NDF :12.4/14

Out: -938.776+/-140.092 χ^2/NDF :29.7/15

All: -467.828+/-98.580 χ^2/NDF : 64.5/30

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 475.273+/-0.099 χ^2/NDF : 755878.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 468.599+/-0.098 χ^2/NDF : 670210.0/14

Left: 471.904+/-0.070 χ^2/NDF : 1428379.9/30

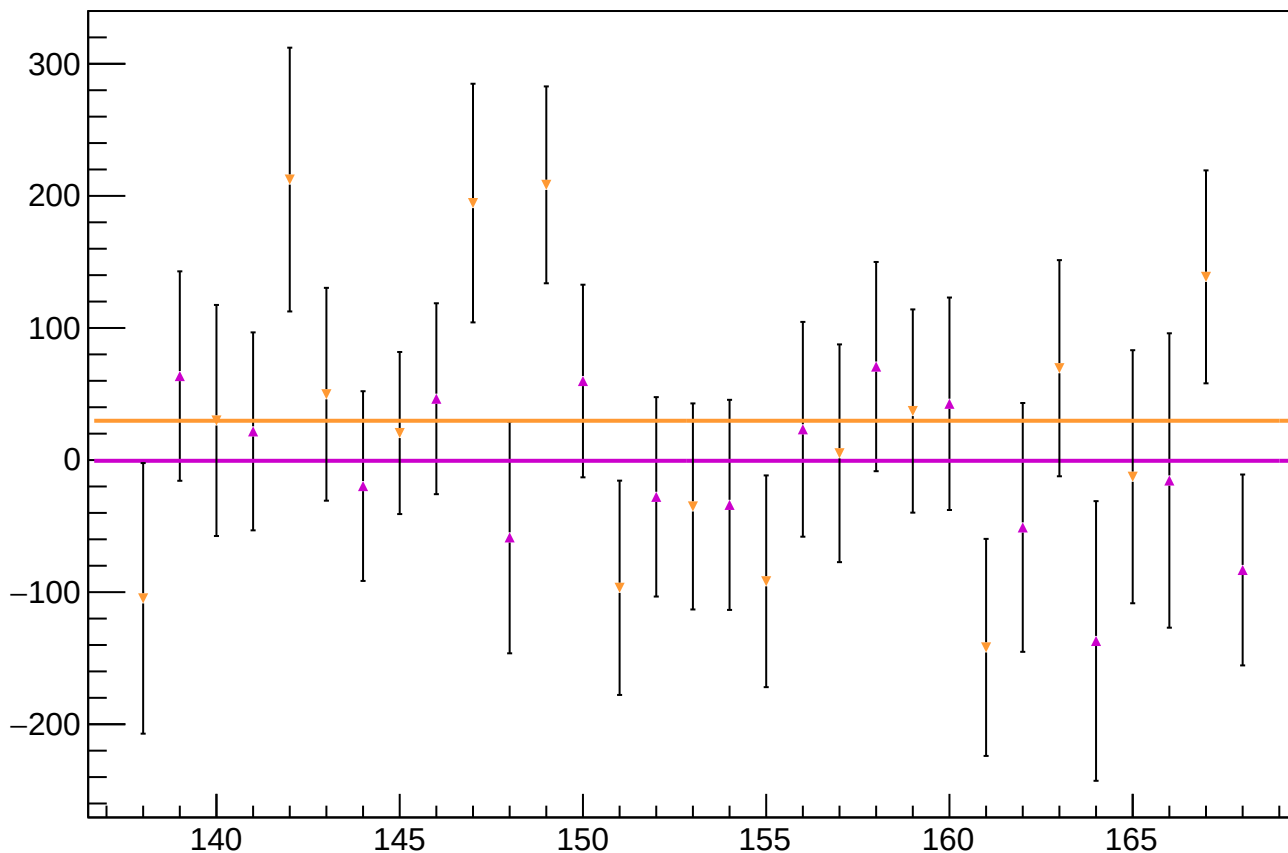
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 468.599+/-0.098 χ^2/NDF : 670210.0/14

Out: 475.273+/-0.099 χ^2/NDF : 755878.7/15

All: 471.904+/-0.070 χ^2/NDF : 1428379.9/30

dit_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 29.758 $\pm$ 20.425 χ^2 /NDF:26.4/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.551 $\pm$ 20.791 χ^2 /NDF:7.1/14

Left: 14.873 $\pm$ 14.570 χ^2 /NDF: 34.6/30

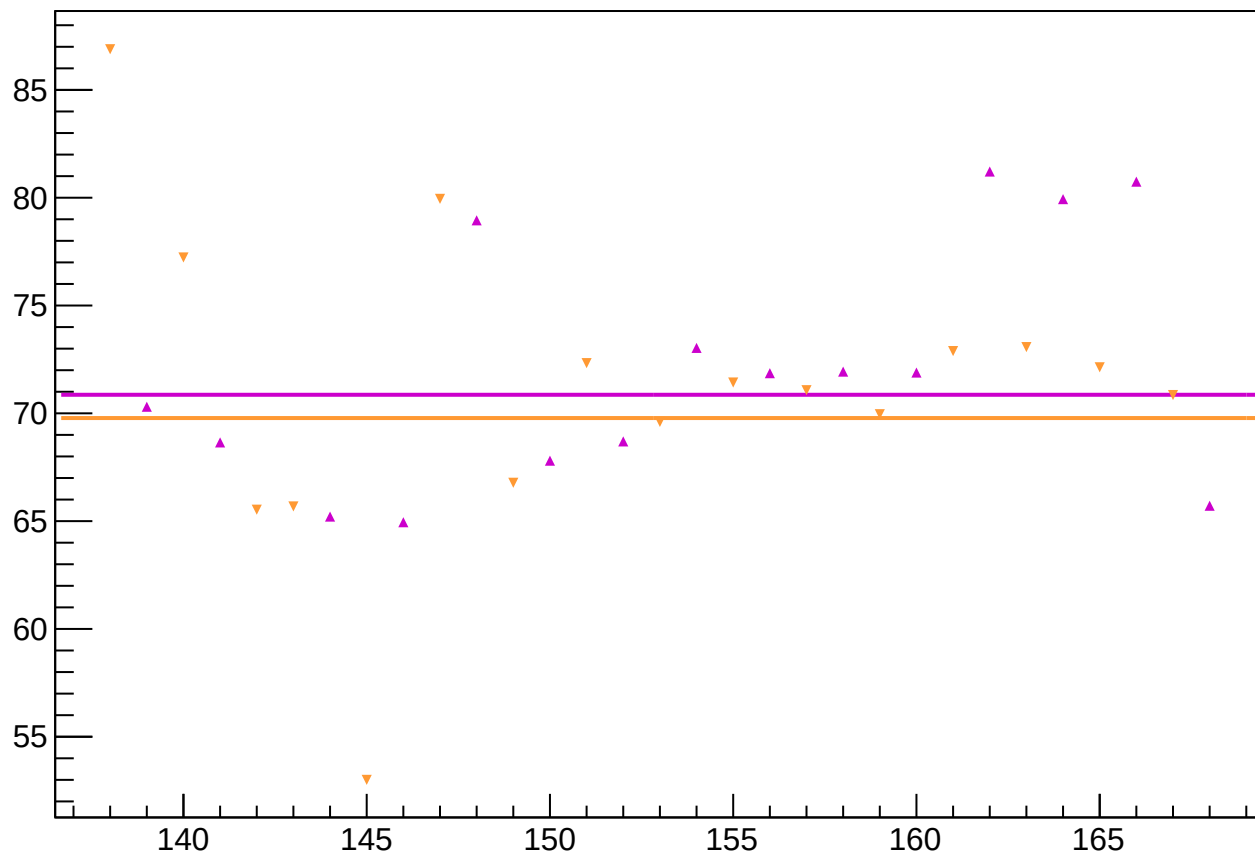
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.551 $\pm$ 20.791 χ^2 /NDF:7.1/14

Out: 29.758 $\pm$ 20.425 χ^2 /NDF:26.4/15

All: 14.873 $\pm$ 14.570 χ^2 /NDF: 34.6/30

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 69.781+/-0.014 χ^2/NDF :268257.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 70.860+/-0.015 χ^2/NDF :116981.2/14

Left: 70.311+/-0.010 χ^2/NDF : 387981.8/30

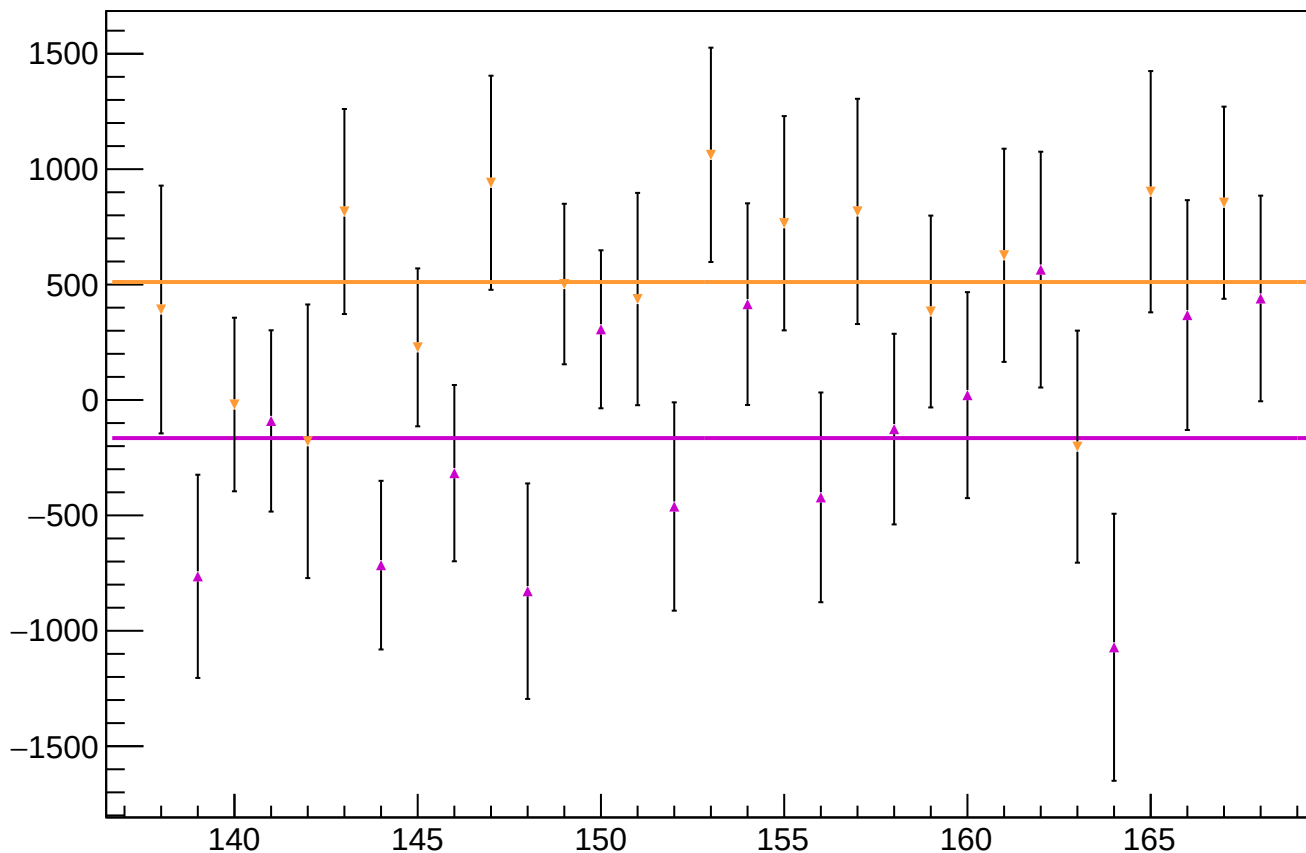
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 70.860+/-0.015 χ^2/NDF :116981.2/14

Out: 69.781+/-0.014 χ^2/NDF :268257.0/15

All: 70.311+/-0.010 χ^2/NDF : 387981.8/30

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 511.032+/-110.442 χ^2/NDF :11.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -165.112+/-111.189 χ^2/NDF :18.4/14

Left: 175.238+/-78.357 χ^2/NDF : 48.0/30

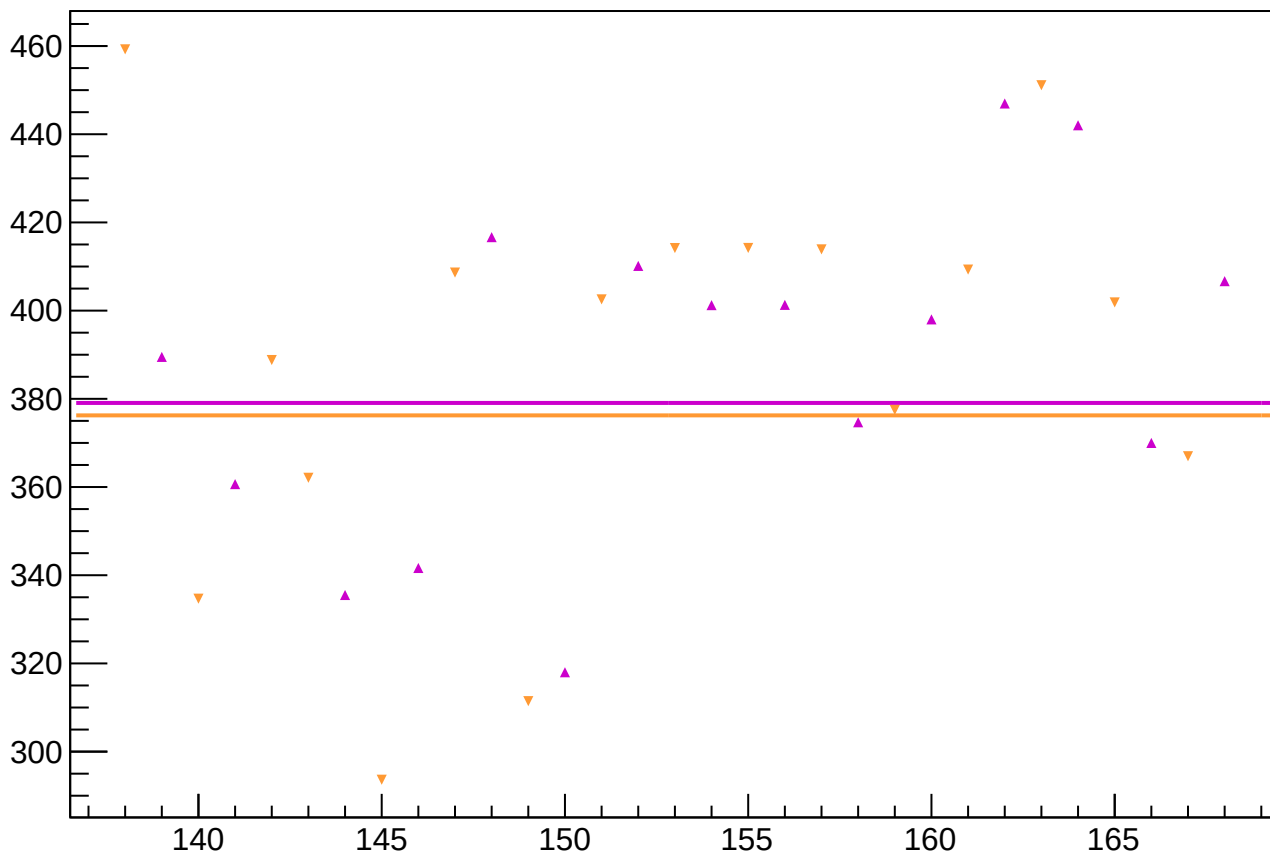
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -165.112+/-111.189 χ^2/NDF :18.4/14

Out: 511.032+/-110.442 χ^2/NDF :11.0/15

All: 175.238+/-78.357 χ^2/NDF : 48.0/30

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 376.247+/-0.078 χ^2/NDF : 376616.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 379.067+/-0.079 χ^2/NDF : 220427.6/14

Left: 377.648+/-0.055 χ^2/NDF : 597691.4/30

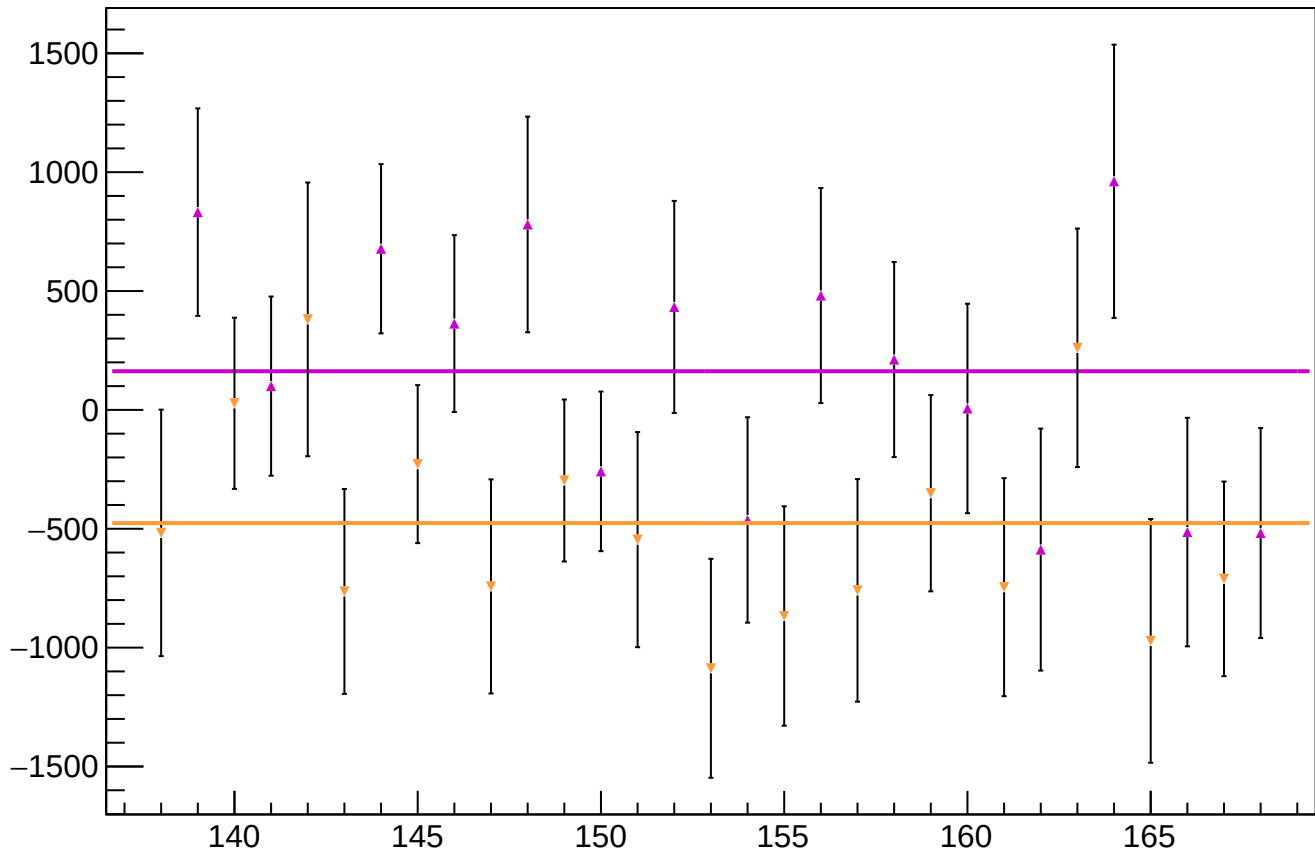
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 379.067+/-0.079 χ^2/NDF : 220427.6/14

Out: 376.247+/-0.078 χ^2/NDF : 376616.2/15

All: 377.648+/-0.055 χ^2/NDF : 597691.4/30

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -476.103+/-108.047 χ^2/NDF :12.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 162.636+/-109.208 χ^2/NDF :19.8/14

Left: -160.145+/-76.808 χ^2/NDF : 49.6/30

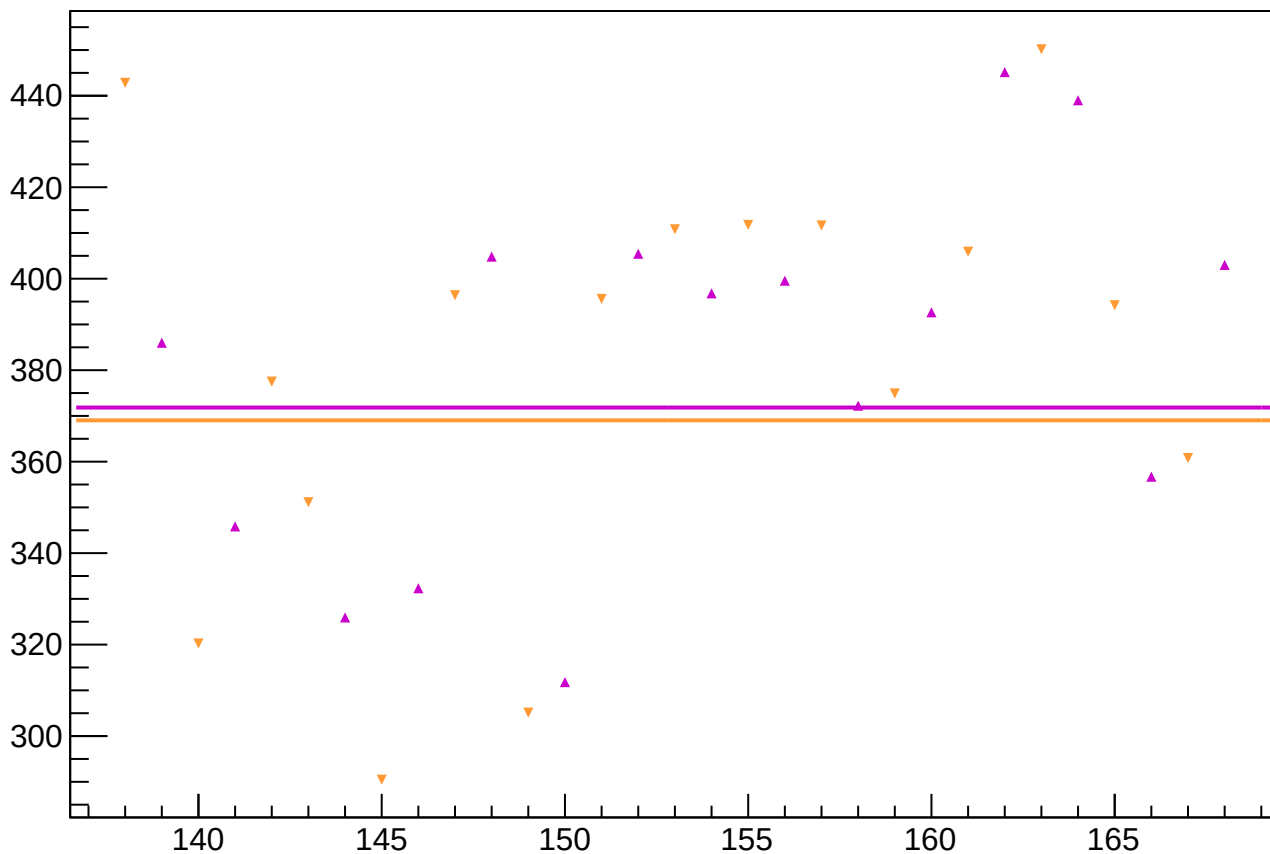
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 162.636+/-109.208 χ^2/NDF :19.8/14

Out: -476.103+/-108.047 χ^2/NDF :12.5/15

All: -160.145+/-76.808 χ^2/NDF : 49.6/30

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 369.035+/-0.076 χ^2/NDF : 398992.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 371.831+/-0.077 χ^2/NDF : 252822.5/14

Left: 370.418+/-0.054 χ^2/NDF : 652477.4/30

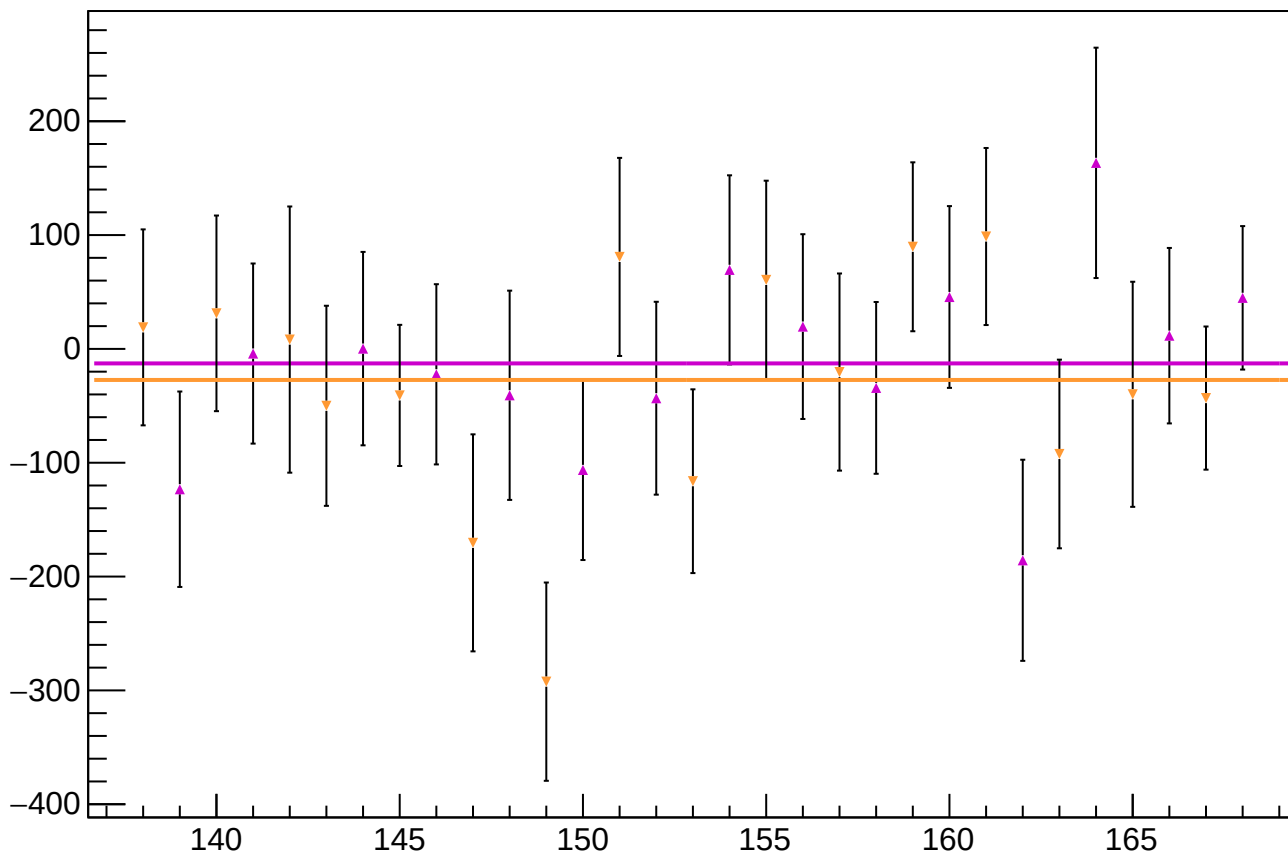
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 371.831+/-0.077 χ^2/NDF : 252822.5/14

Out: 369.035+/-0.076 χ^2/NDF : 398992.3/15

All: 370.418+/-0.054 χ^2/NDF : 652477.4/30

dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -27.282 ± 20.527 $\chi^2/\text{NDF}: 22.1/15$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -12.746 ± 20.915 $\chi^2/\text{NDF}: 12.9/14$

Left: -20.150 ± 14.650 $\chi^2/\text{NDF}: 35.2/30$

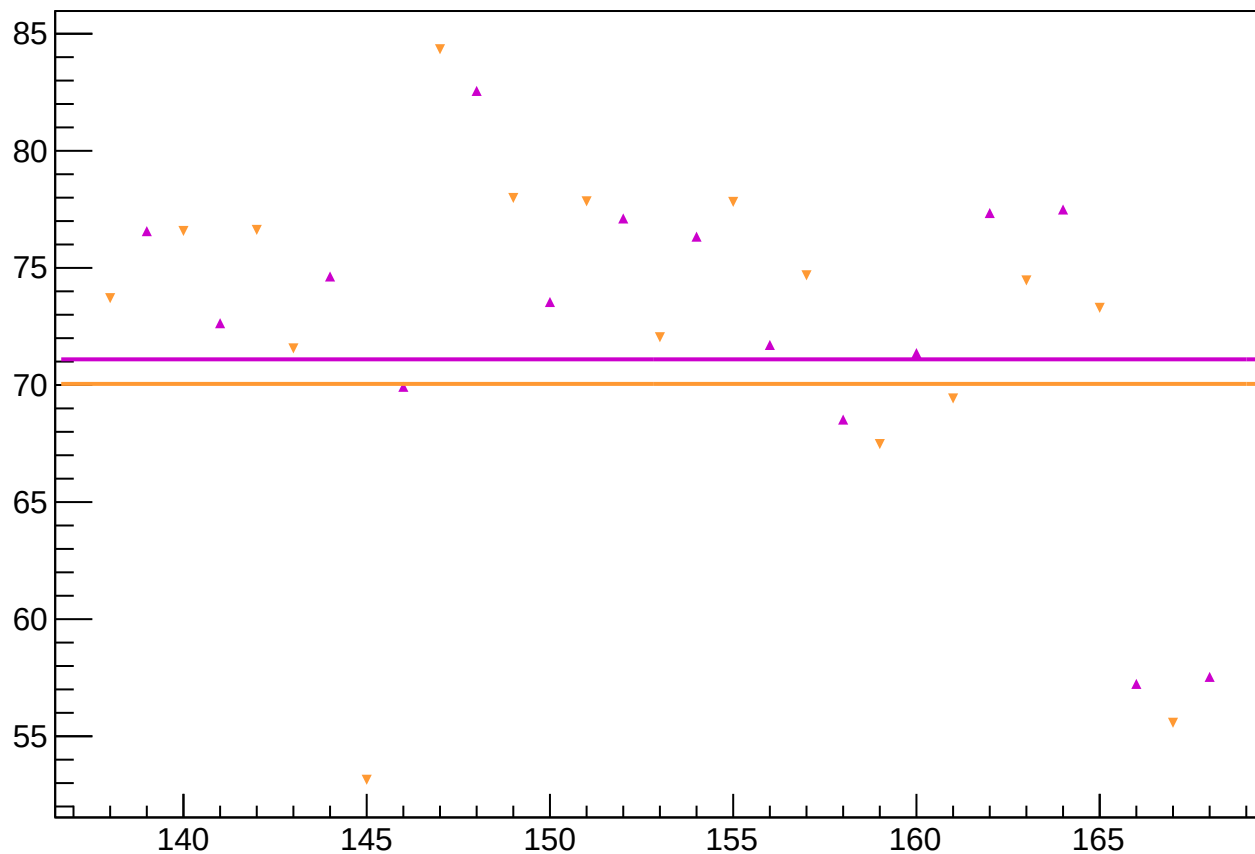
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -12.746 ± 20.915 $\chi^2/\text{NDF}: 12.9/14$

Out: -27.282 ± 20.527 $\chi^2/\text{NDF}: 22.1/15$

All: -20.150 ± 14.650 $\chi^2/\text{NDF}: 35.2/30$

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 70.047+/-0.015 χ^2/NDF :387572.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 71.096+/-0.015 χ^2/NDF :241602.7/14

Left: 70.562+/-0.010 χ^2/NDF : 631737.5/30

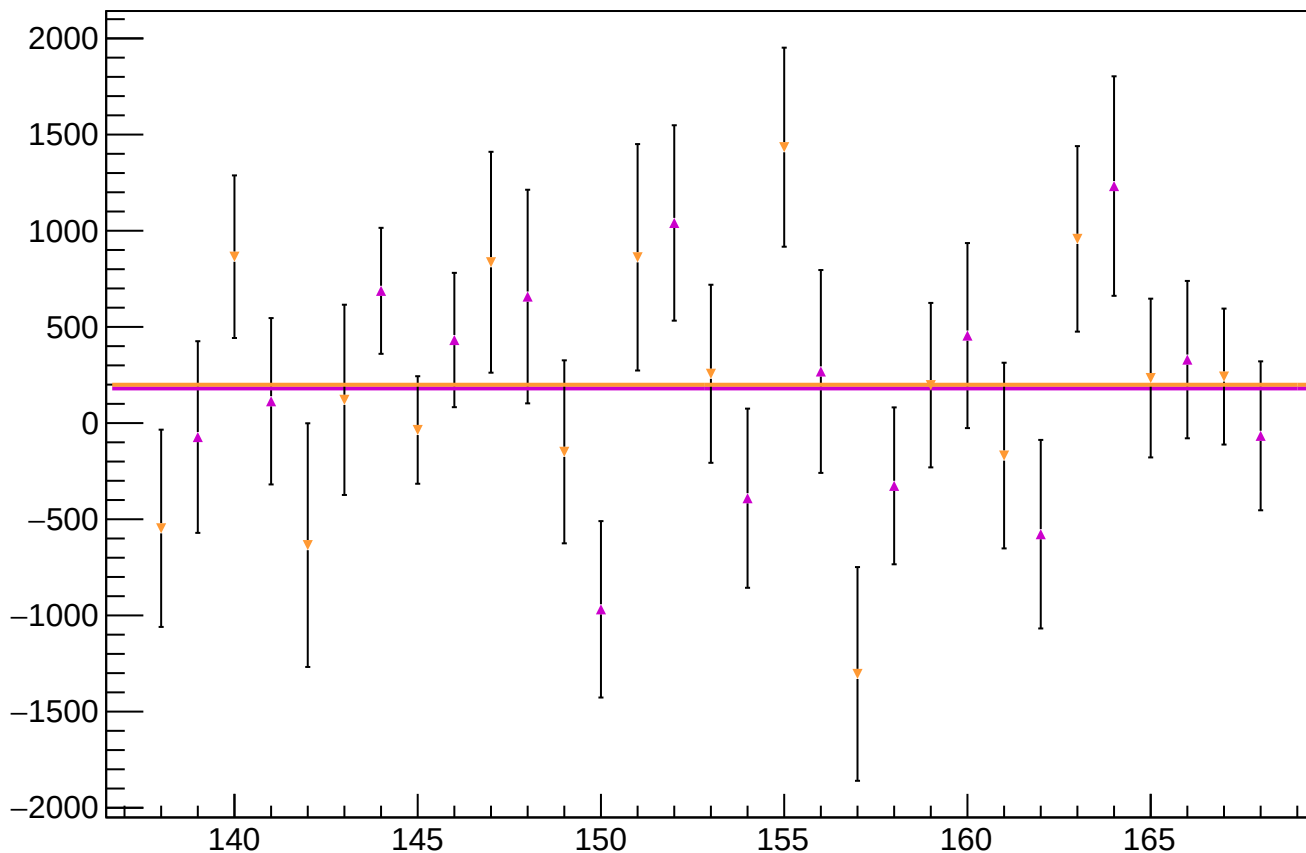
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 71.096+/-0.015 χ^2/NDF :241602.7/14

Out: 70.047+/-0.015 χ^2/NDF :387572.5/15

All: 70.562+/-0.010 χ^2/NDF : 631737.5/30

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 199.376+/-112.727 χ^2/NDF :26.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 180.184+/-113.823 χ^2/NDF :22.8/14

Left: 189.873+/-80.095 χ^2/NDF : 49.0/30

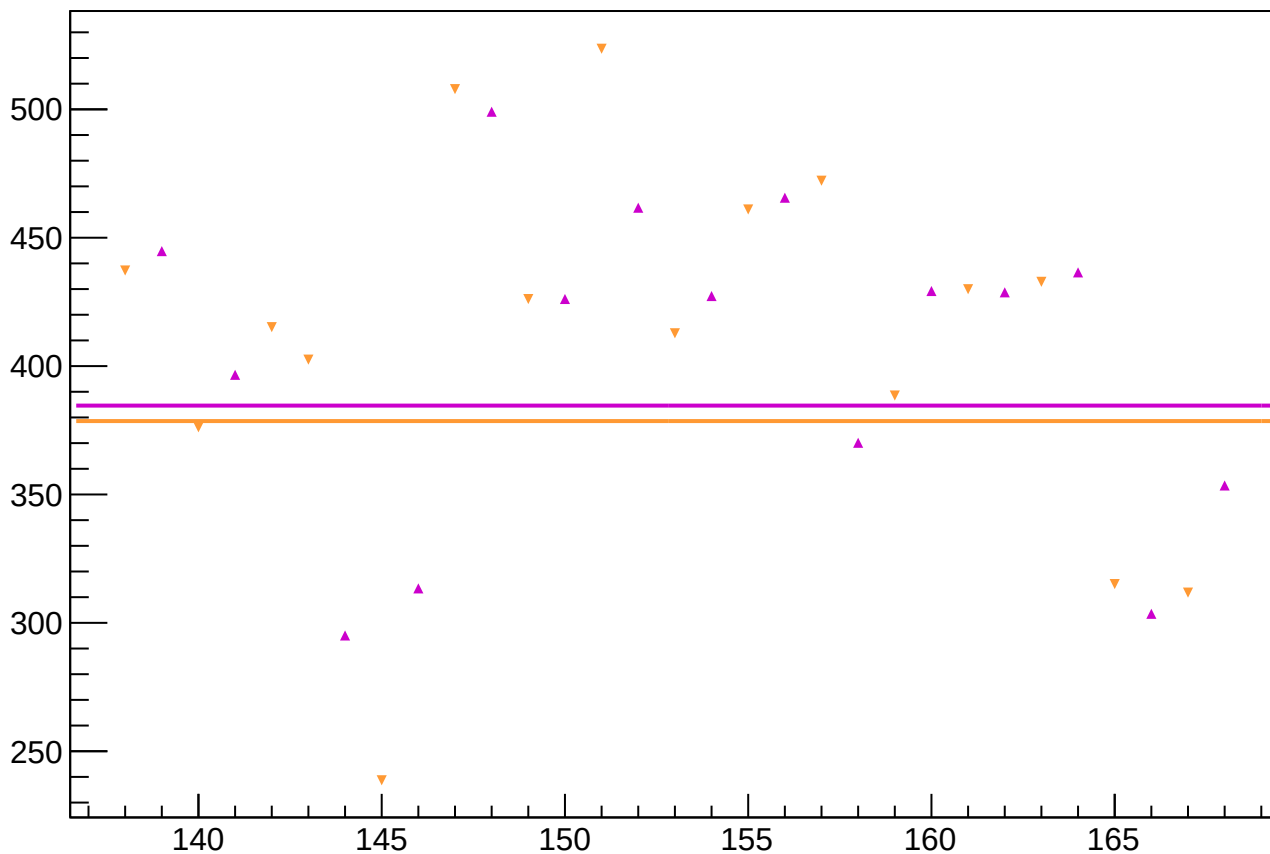
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 180.184+/-113.823 χ^2/NDF :22.8/14

Out: 199.376+/-112.727 χ^2/NDF :26.2/15

All: 189.873+/-80.095 χ^2/NDF : 49.0/30

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 378.588+/-0.080 χ^2/NDF :1067546.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 384.616+/-0.080 χ^2/NDF :618579.6/14

Left: 381.573+/-0.057 χ^2/NDF : 1688957.6/30

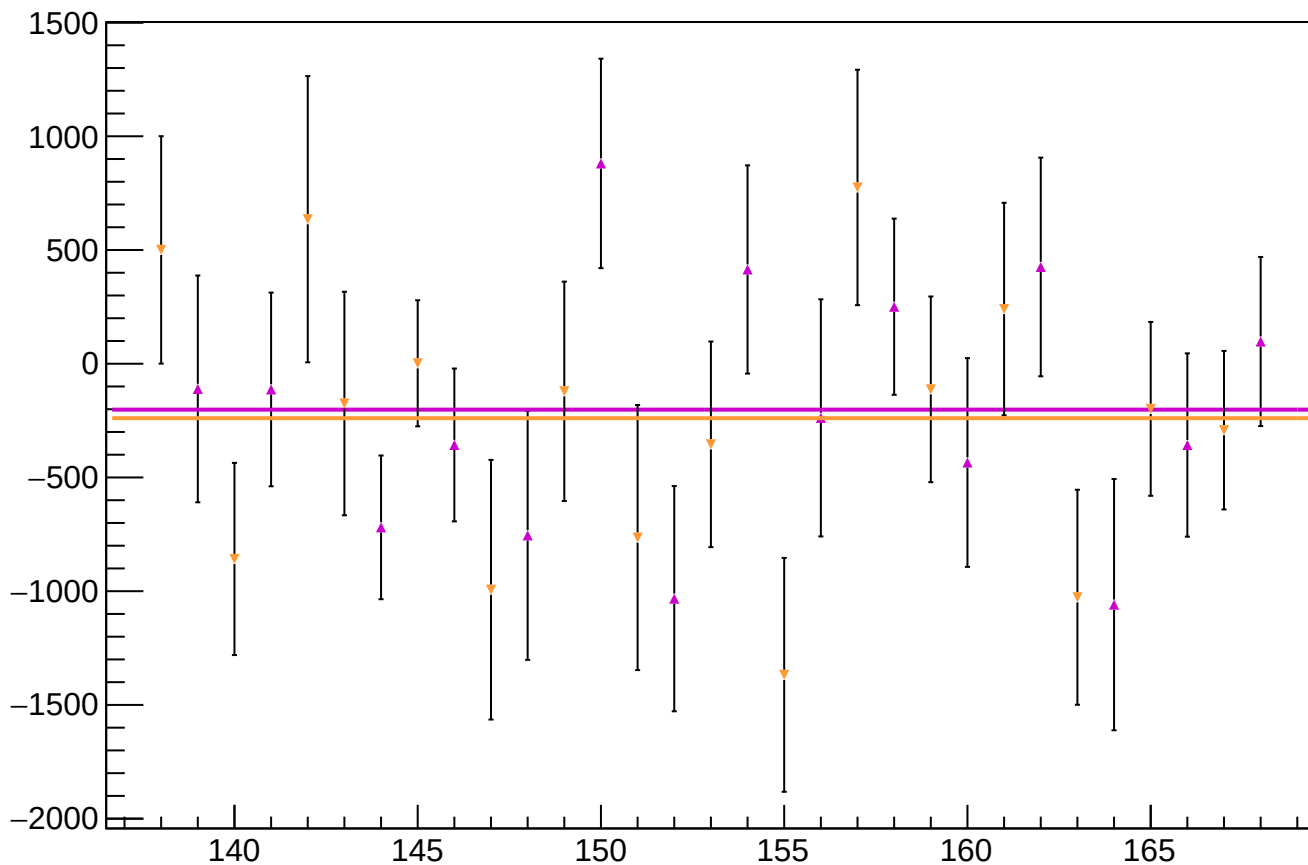
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 384.616+/-0.080 χ^2/NDF :618579.6/14

Out: 378.588+/-0.080 χ^2/NDF :1067546.1/15

All: 381.573+/-0.057 χ^2/NDF : 1688957.6/30

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -239.445+/-110.321 χ^2/NDF :22.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -201.851+/-110.825 χ^2/NDF :20.7/14

Left: -220.734+/-78.186 χ^2/NDF : 43.1/30

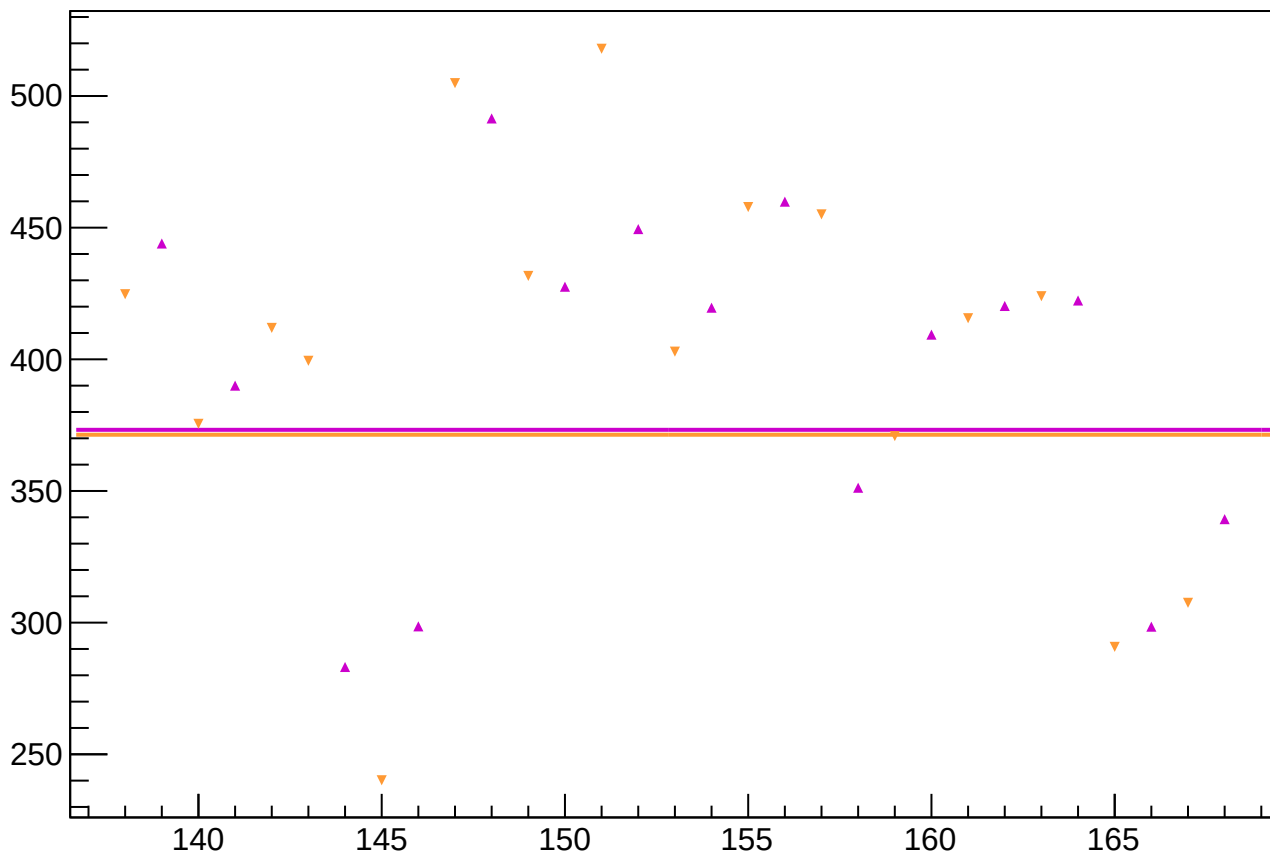
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -201.851+/-110.825 χ^2/NDF :20.7/14

Out: -239.445+/-110.321 χ^2/NDF :22.3/15

All: -220.734+/-78.186 χ^2/NDF : 43.1/30

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 371.360+/-0.078 χ^2/NDF :1070936.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 373.228+/-0.078 χ^2/NDF :688420.4/14

Left: 372.290+/-0.055 χ^2/NDF : 1759642.1/30

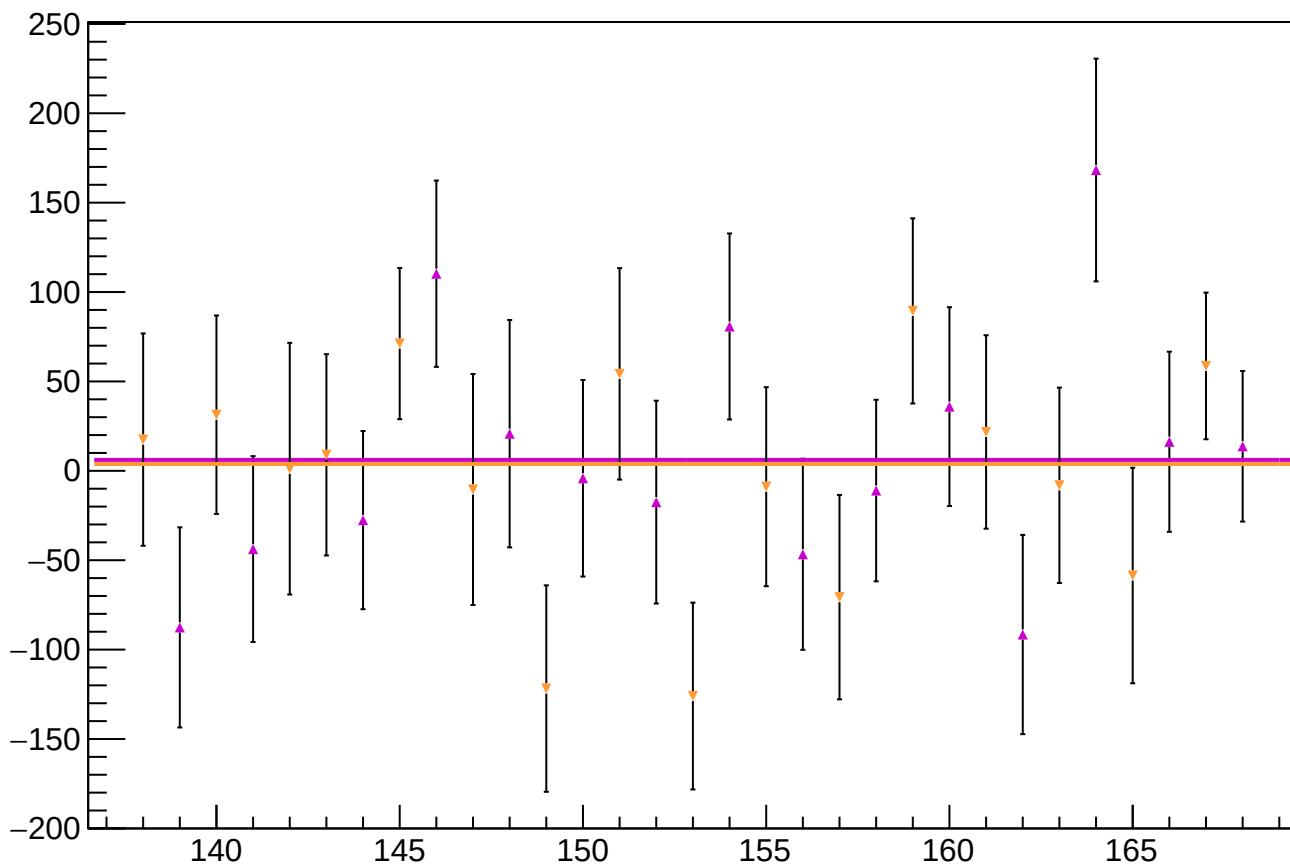
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 373.228+/-0.078 χ^2/NDF :688420.4/14

Out: 371.360+/-0.078 χ^2/NDF :1070936.2/15

All: 372.290+/-0.055 χ^2/NDF : 1759642.1/30

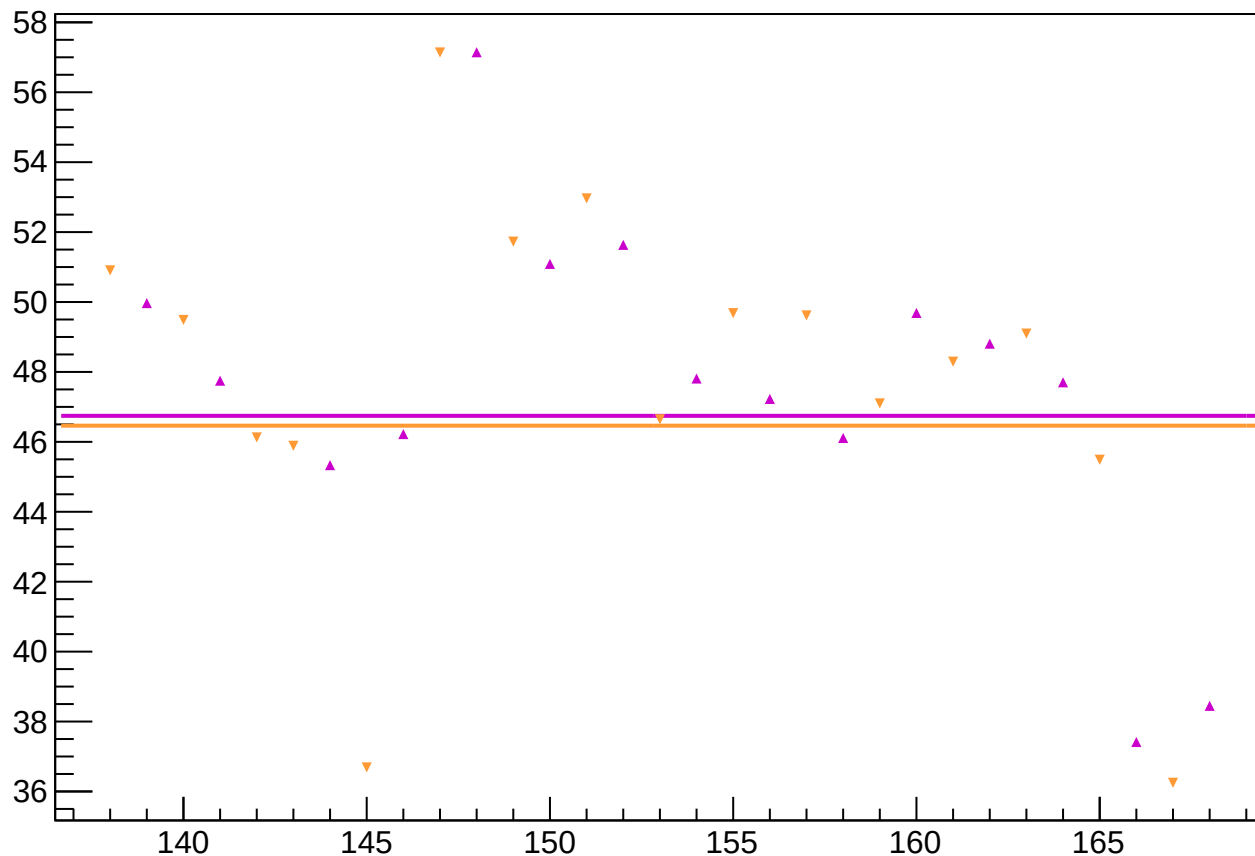
dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.813 $\pm$ 13.578 χ^2 /NDF:22.0/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 6.119 $\pm$ 13.714 χ^2 /NDF:21.8/14

Left: 4.954 $\pm$ 9.649 χ^2 /NDF: 43.8/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 6.119 $\pm$ 13.714 χ^2 /NDF:21.8/14
 Out: 3.813 $\pm$ 13.578 χ^2 /NDF:22.0/15
 All: 4.954 $\pm$ 9.649 χ^2 /NDF: 43.8/30

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 46.463+/-0.010 χ^2/NDF :364249.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 46.744+/-0.010 χ^2/NDF :246373.8/14

Left: 46.602+/-0.007 χ^2/NDF : 611048.3/30

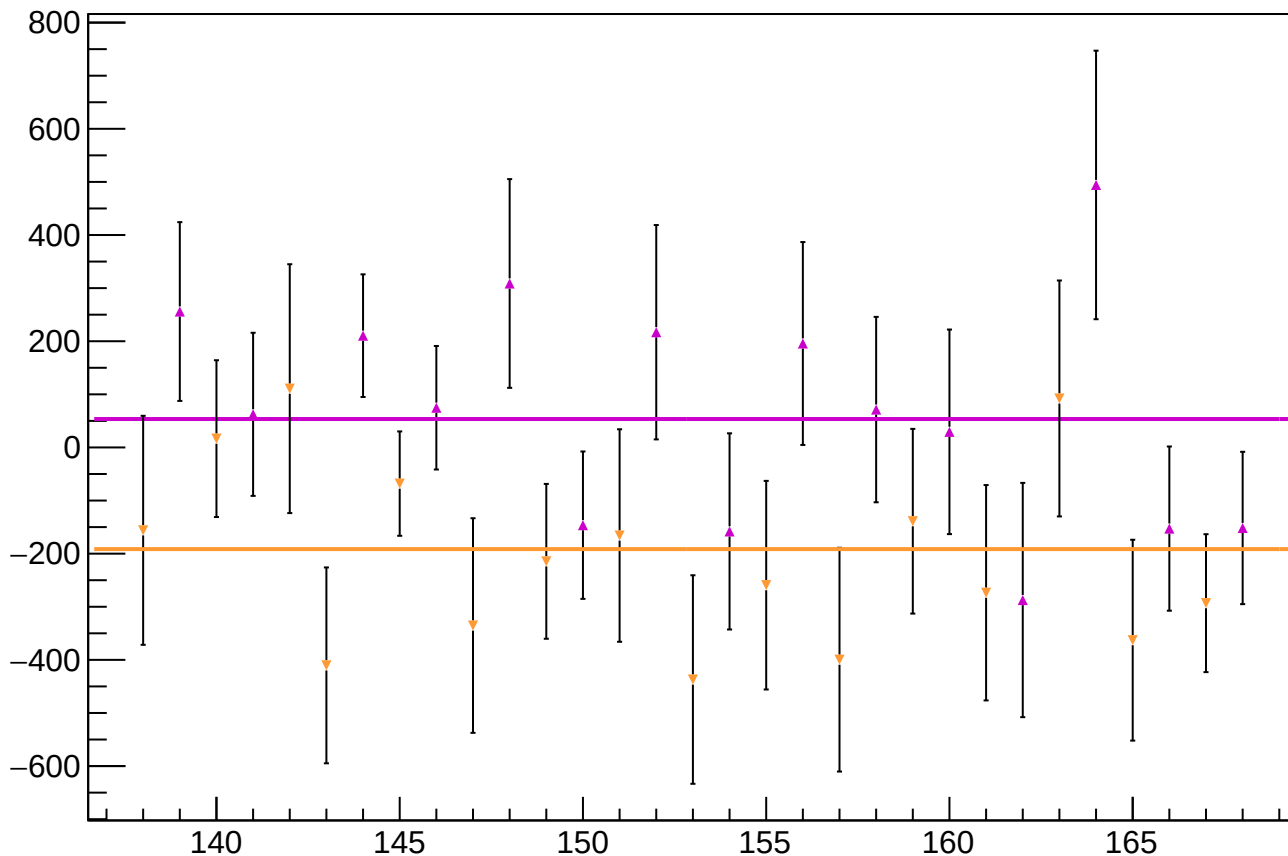
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 46.744+/-0.010 χ^2/NDF :246373.8/14

Out: 46.463+/-0.010 χ^2/NDF :364249.2/15

All: 46.602+/-0.007 χ^2/NDF : 611048.3/30

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -191.420+/-42.470 χ^2/NDF :13.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 53.532+/-41.808 χ^2/NDF :18.9/14

Left: -67.022+/-29.794 χ^2/NDF : 49.0/30

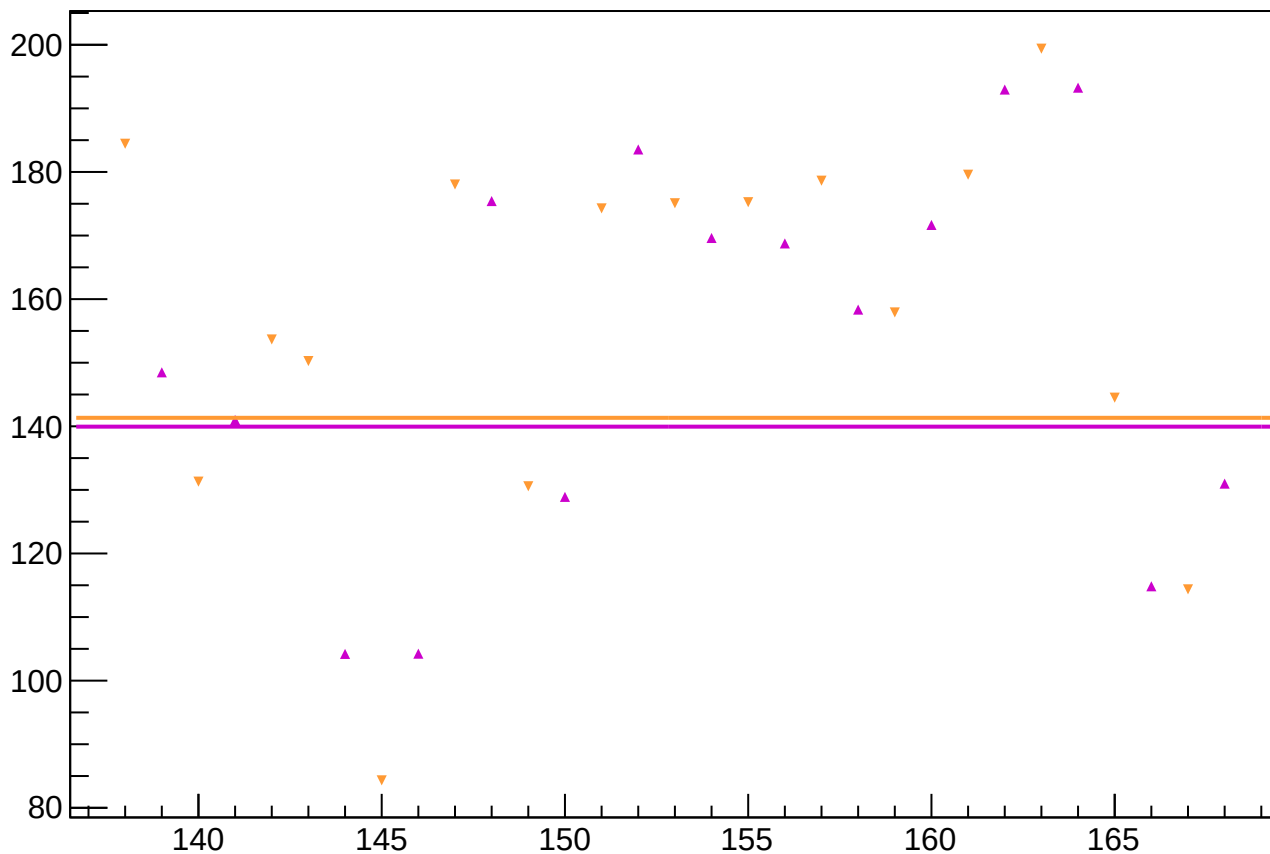
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 53.532+/-41.808 χ^2/NDF :18.9/14

Out: -191.420+/-42.470 χ^2/NDF :13.2/15

All: -67.022+/-29.794 χ^2/NDF : 49.0/30

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 141.335+/-0.030 χ^2/NDF :1397956.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 139.946+/-0.030 χ^2/NDF :995011.6/14

Left: 140.630+/-0.021 χ^2/NDF : 2394055.8/30

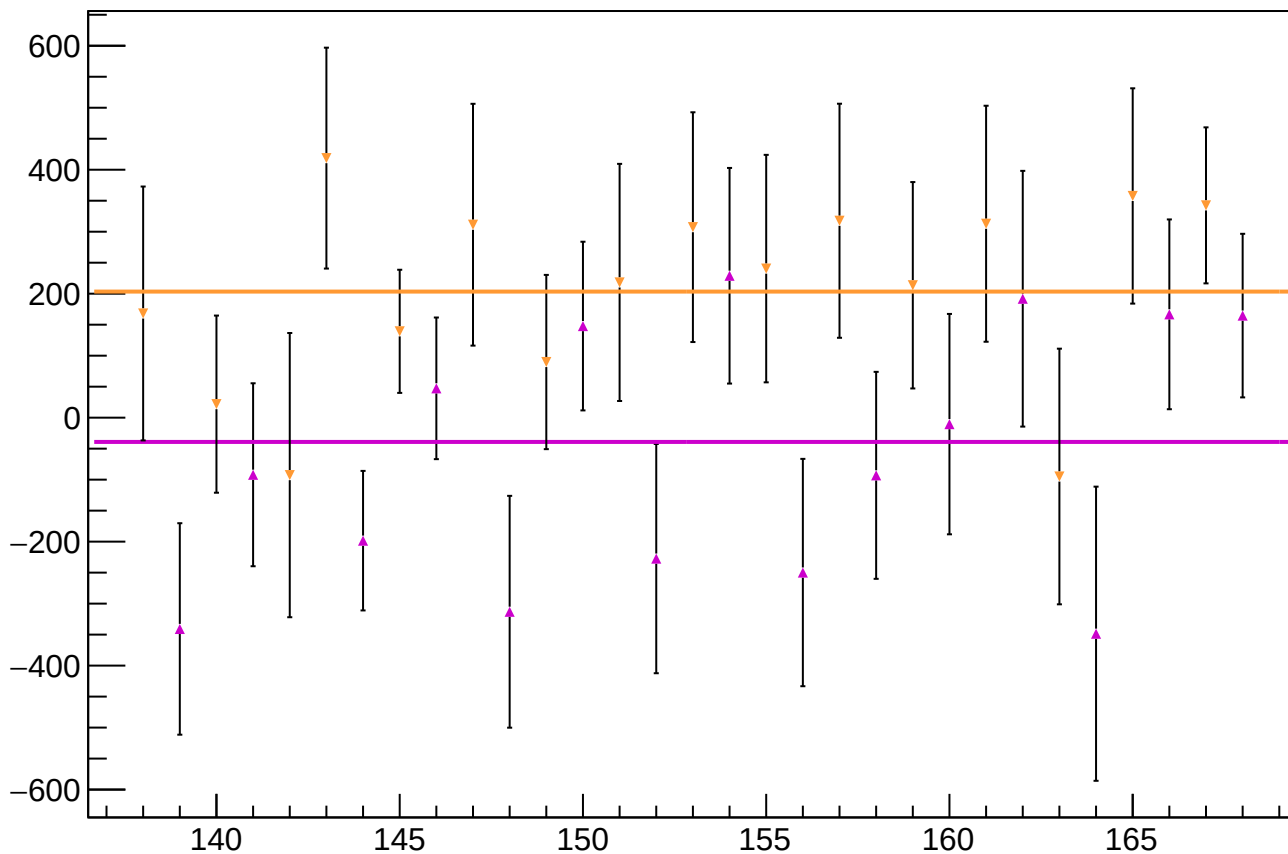
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 139.946+/-0.030 χ^2/NDF :995011.6/14

Out: 141.335+/-0.030 χ^2/NDF :1397956.3/15

All: 140.630+/-0.021 χ^2/NDF : 2394055.8/30

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 203.409 ± 40.849 $\chi^2/\text{NDF}: 11.3/15$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -39.152 ± 40.183 $\chi^2/\text{NDF}: 21.9/14$

Left: 80.134 ± 28.646 $\chi^2/\text{NDF}: 51.1/30$

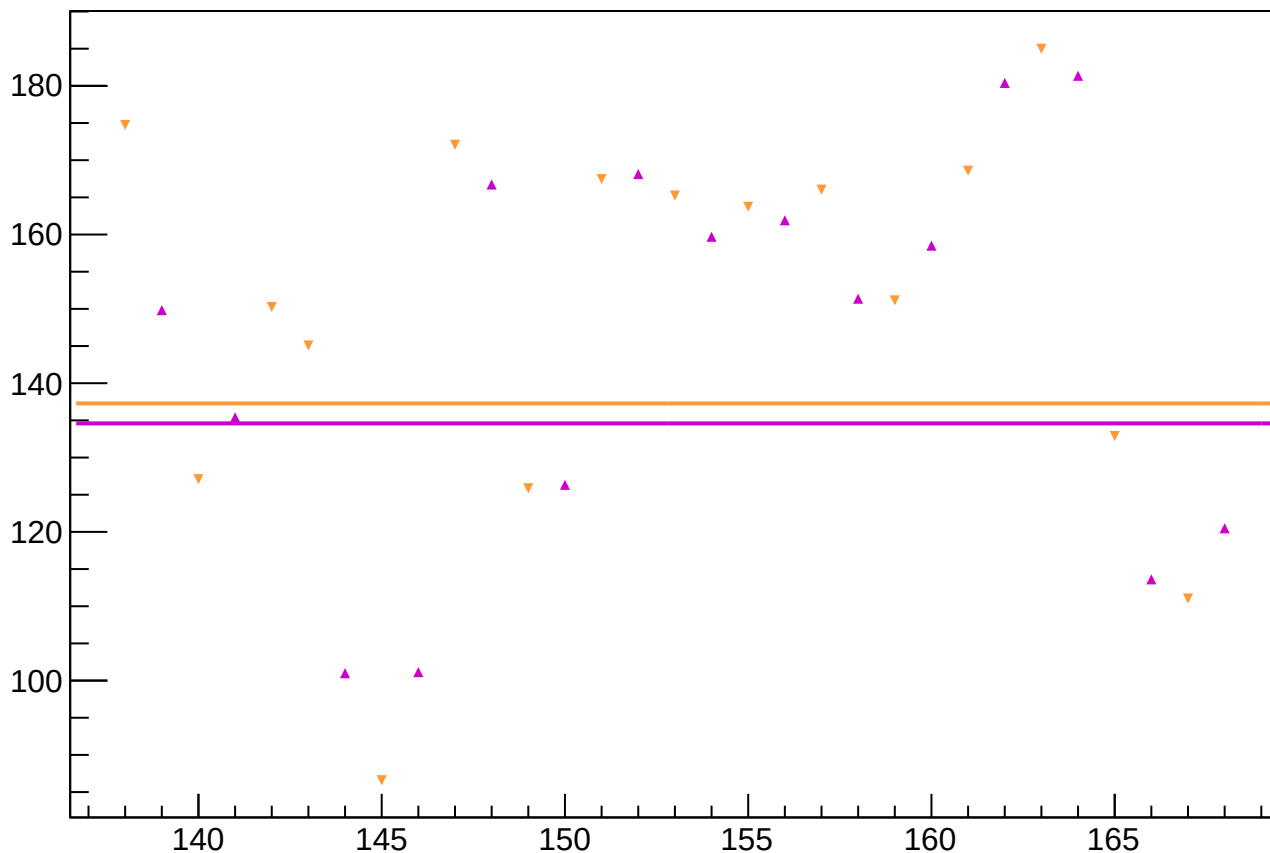
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -39.152 ± 40.183 $\chi^2/\text{NDF}: 21.9/14$

Out: 203.409 ± 40.849 $\chi^2/\text{NDF}: 11.3/15$

All: 80.134 ± 28.646 $\chi^2/\text{NDF}: 51.1/30$

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 137.280+/-0.029 χ^2/NDF :1131635.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 134.598+/-0.028 χ^2/NDF :877155.4/14

Left: 135.917+/-0.020 χ^2/NDF : 2013171.3/30

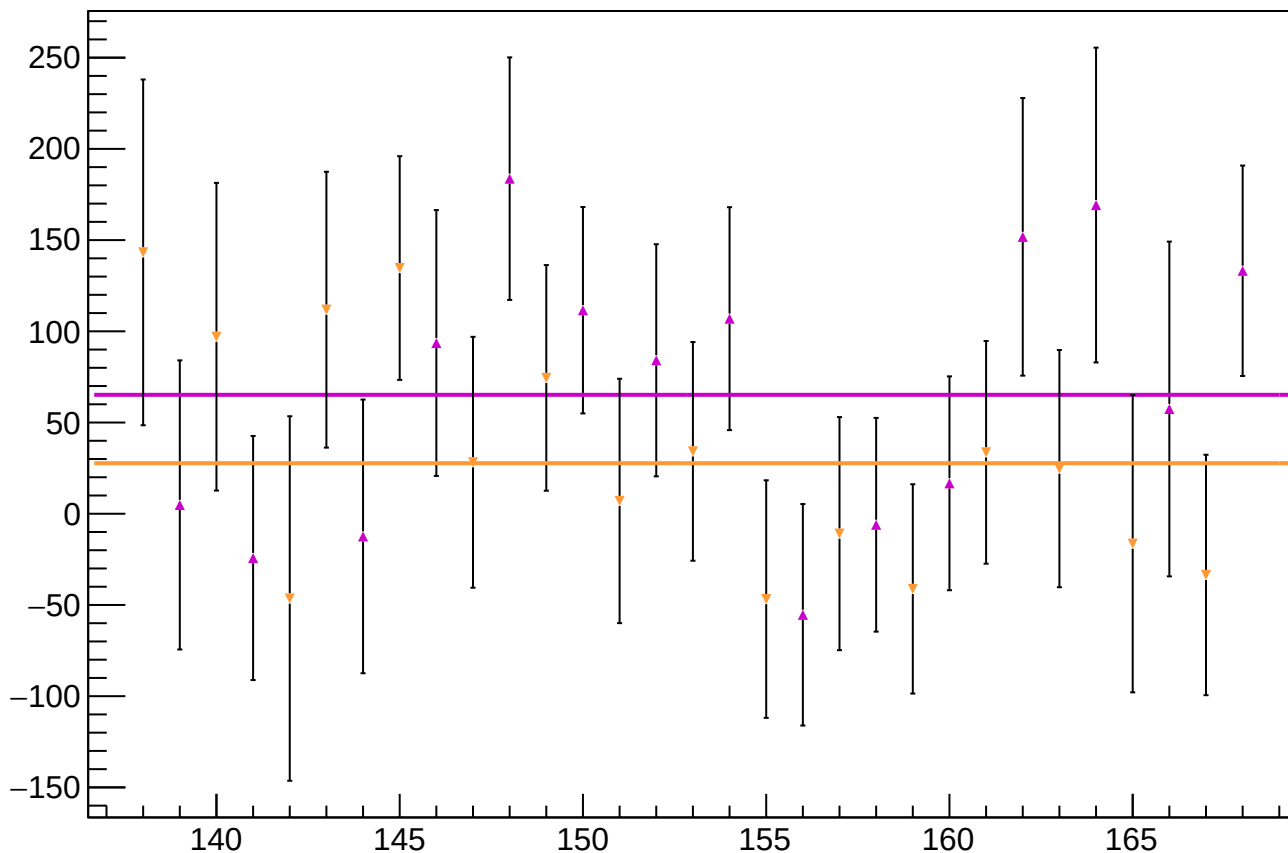
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 134.598+/-0.028 χ^2/NDF :877155.4/14

Out: 137.280+/-0.029 χ^2/NDF :1131635.2/15

All: 135.917+/-0.020 χ^2/NDF : 2013171.3/30

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 27.723 $\pm$ 17.056 χ^2 /NDF:12.0/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 65.190 $\pm$ 17.193 χ^2 /NDF:18.2/14

Left: 46.306 $\pm$ 12.108 χ^2 /NDF: 32.6/30

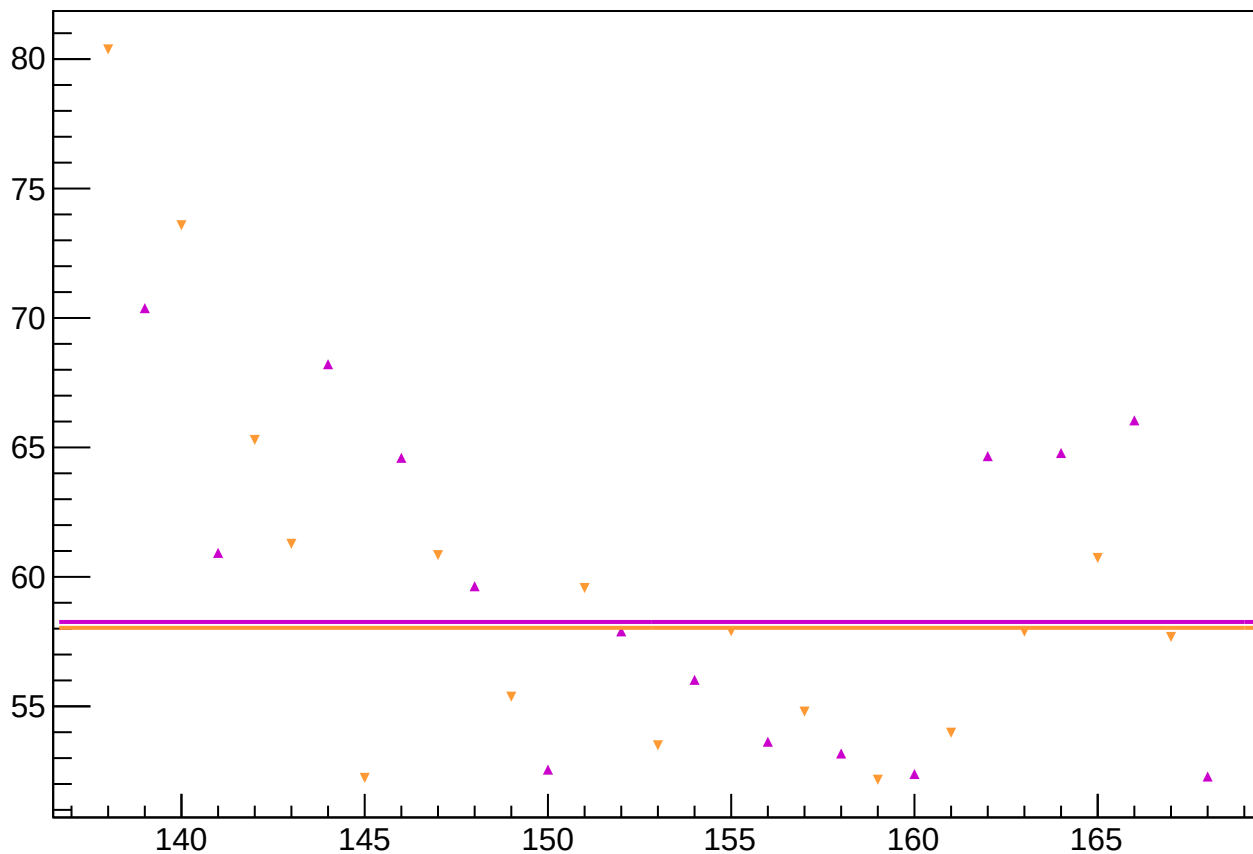
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 65.190 $\pm$ 17.193 χ^2 /NDF:18.2/14

Out: 27.723 $\pm$ 17.056 χ^2 /NDF:12.0/15

All: 46.306 $\pm$ 12.108 χ^2 /NDF: 32.6/30

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 58.032+/-0.012 χ^2/NDF :267948.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 58.259+/-0.012 χ^2/NDF :232488.5/14

Left: 58.145+/-0.009 χ^2/NDF : 500612.9/30

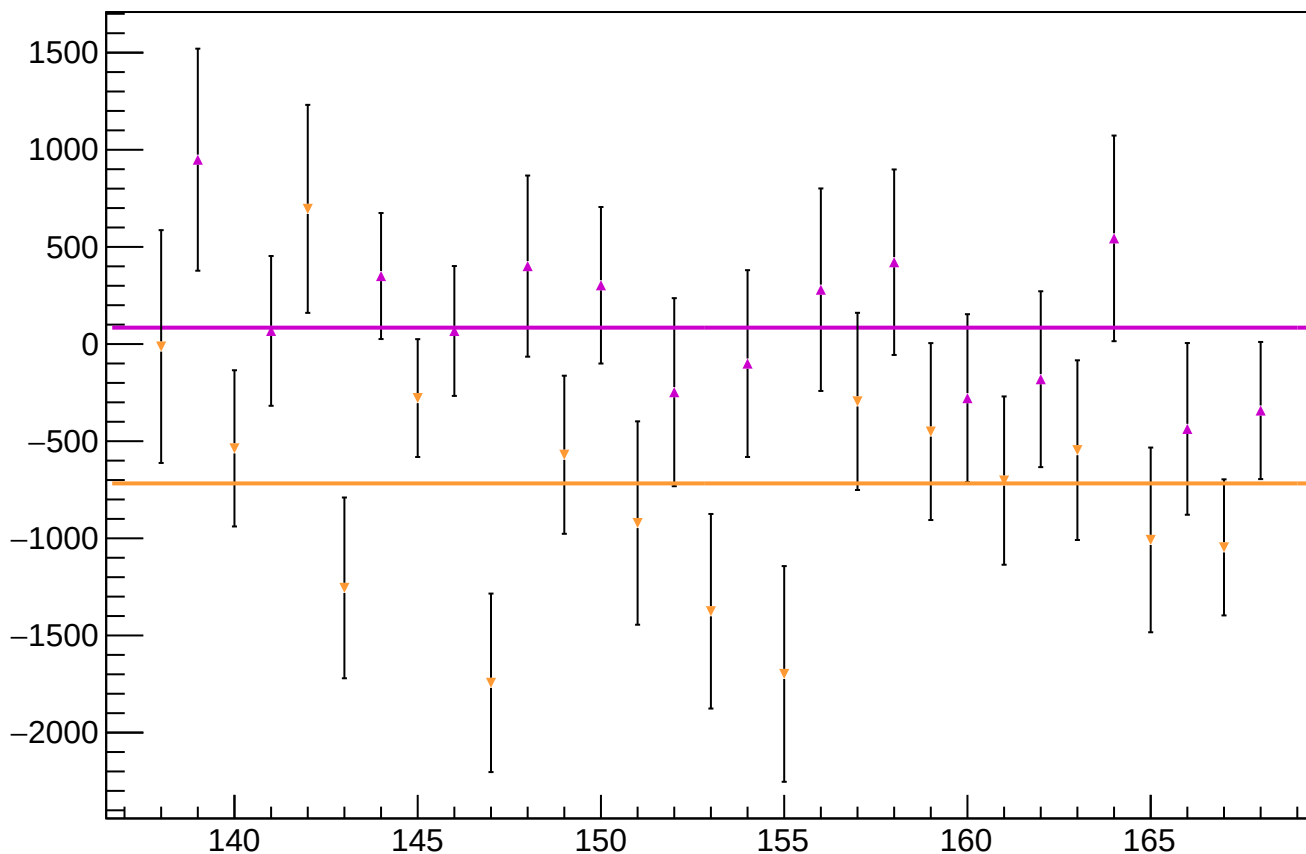
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 58.259+/-0.012 χ^2/NDF :232488.5/14

Out: 58.032+/-0.012 χ^2/NDF :267948.6/15

All: 58.145+/-0.009 χ^2/NDF : 500612.9/30

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -717.320 $\pm$ 110.550 χ^2 /NDF:24.7/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 84.412 $\pm$ 110.010 χ^2 /NDF:9.6/14

Left: -314.491 $\pm$ 77.979 χ^2 /NDF: 60.8/30

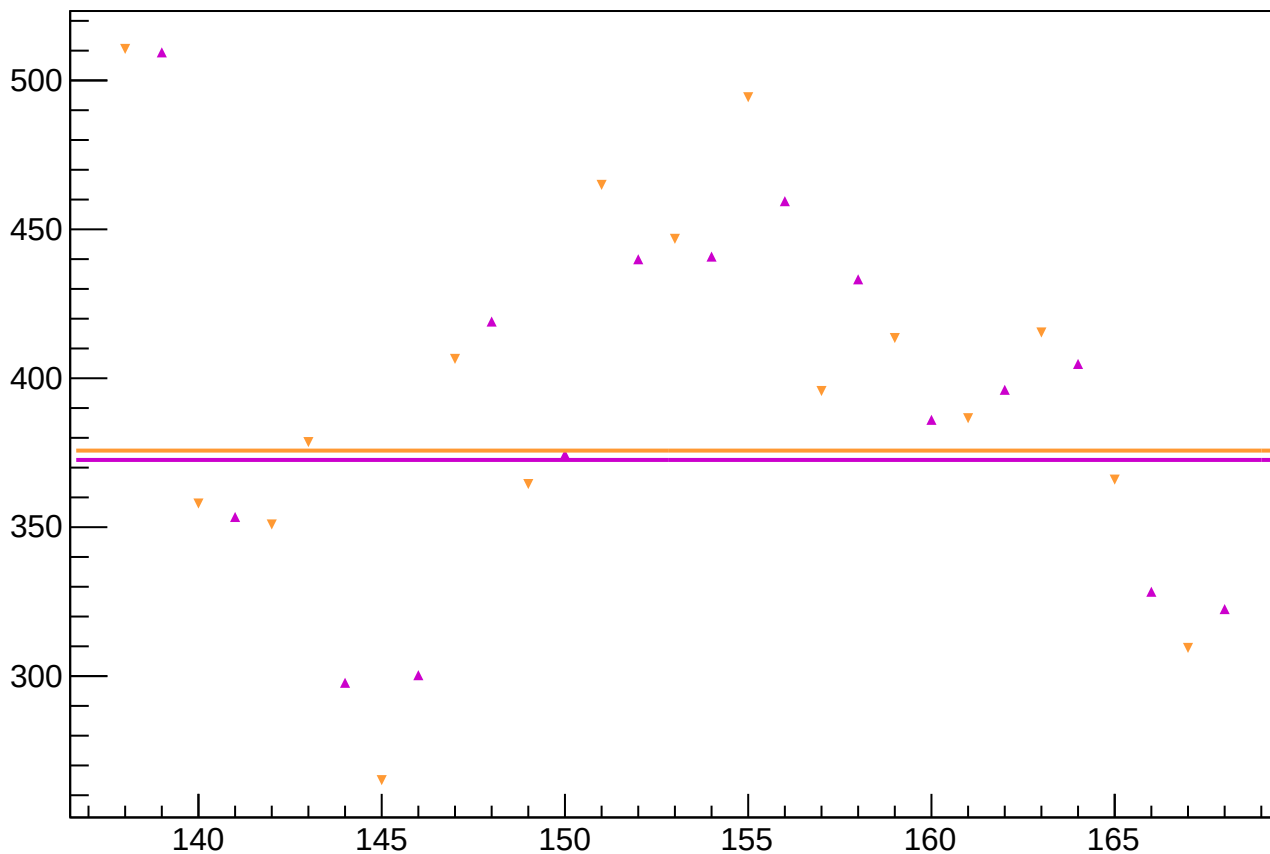
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 84.412 $\pm$ 110.010 χ^2 /NDF:9.6/14

Out: -717.320 $\pm$ 110.550 χ^2 /NDF:24.7/15

All: -314.491 $\pm$ 77.979 χ^2 /NDF: 60.8/30

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 375.717+/-0.078 χ^2/NDF : 682016.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 372.578+/-0.078 χ^2/NDF : 581486.3/14

Left: 374.140+/-0.055 χ^2/NDF : 1264313.0/30

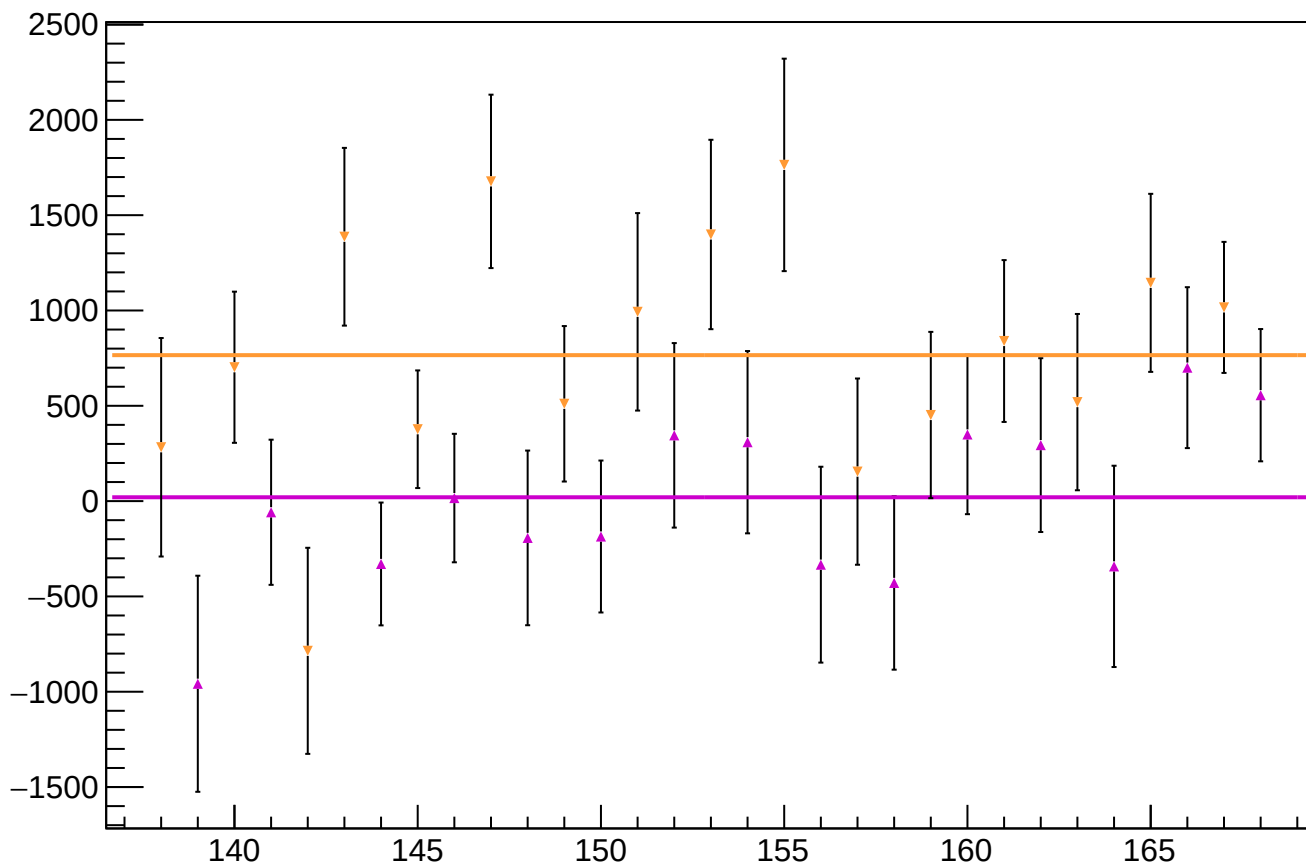
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 372.578+/-0.078 χ^2/NDF : 581486.3/14

Out: 375.717+/-0.078 χ^2/NDF : 682016.7/15

All: 374.140+/-0.055 χ^2/NDF : 1264313.0/30

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 765.678+/-110.099 χ^2/NDF : 25.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 20.131+/-108.590 χ^2/NDF : 13.4/14

Left: 387.761+/-77.313 χ^2/NDF : 62.0/30

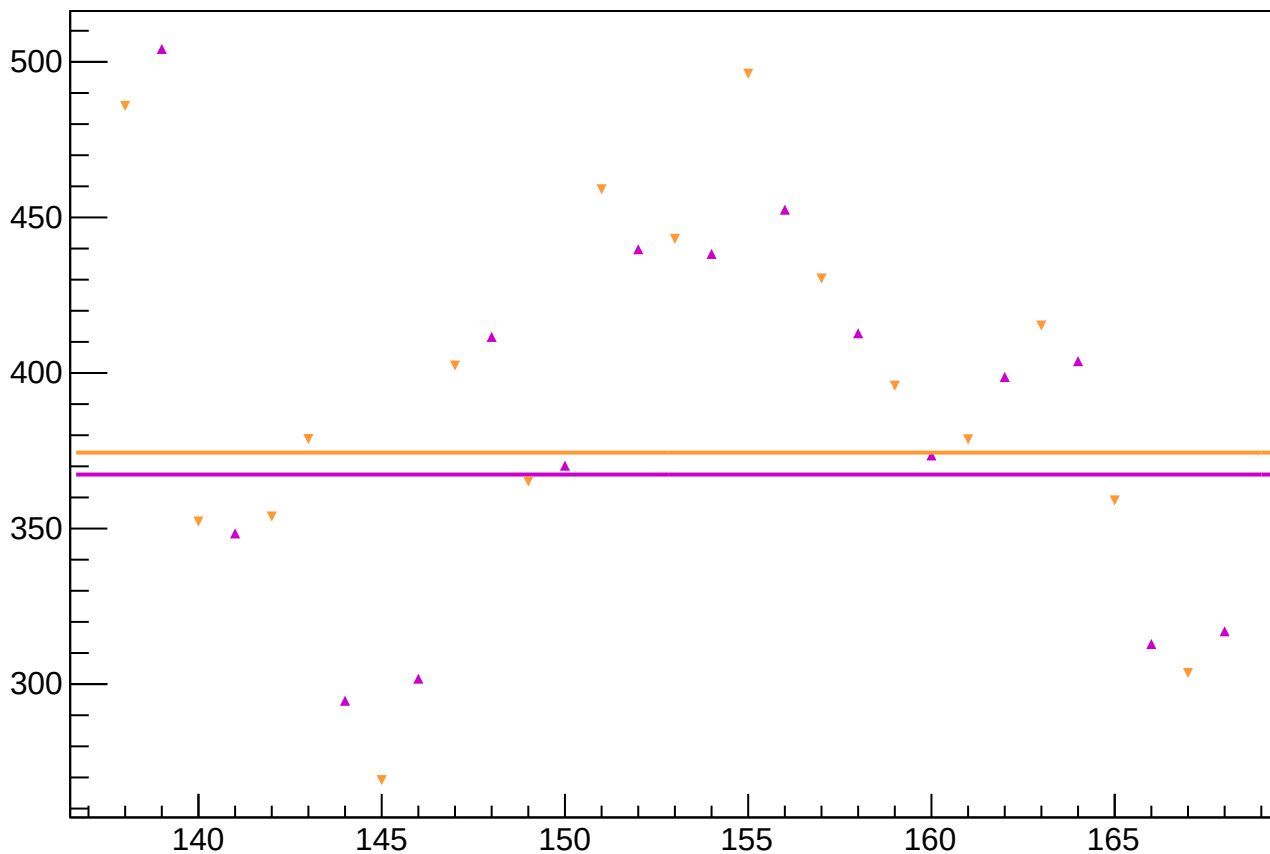
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 20.131+/-108.590 χ^2/NDF : 13.4/14

Out: 765.678+/-110.099 χ^2/NDF : 25.4/15

All: 387.761+/-77.313 χ^2/NDF : 62.0/30

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 374.409+/-0.078 χ^2/NDF : 647376.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 367.365+/-0.077 χ^2/NDF : 576308.5/14

Left: 370.838+/-0.055 χ^2/NDF : 1227834.4/30

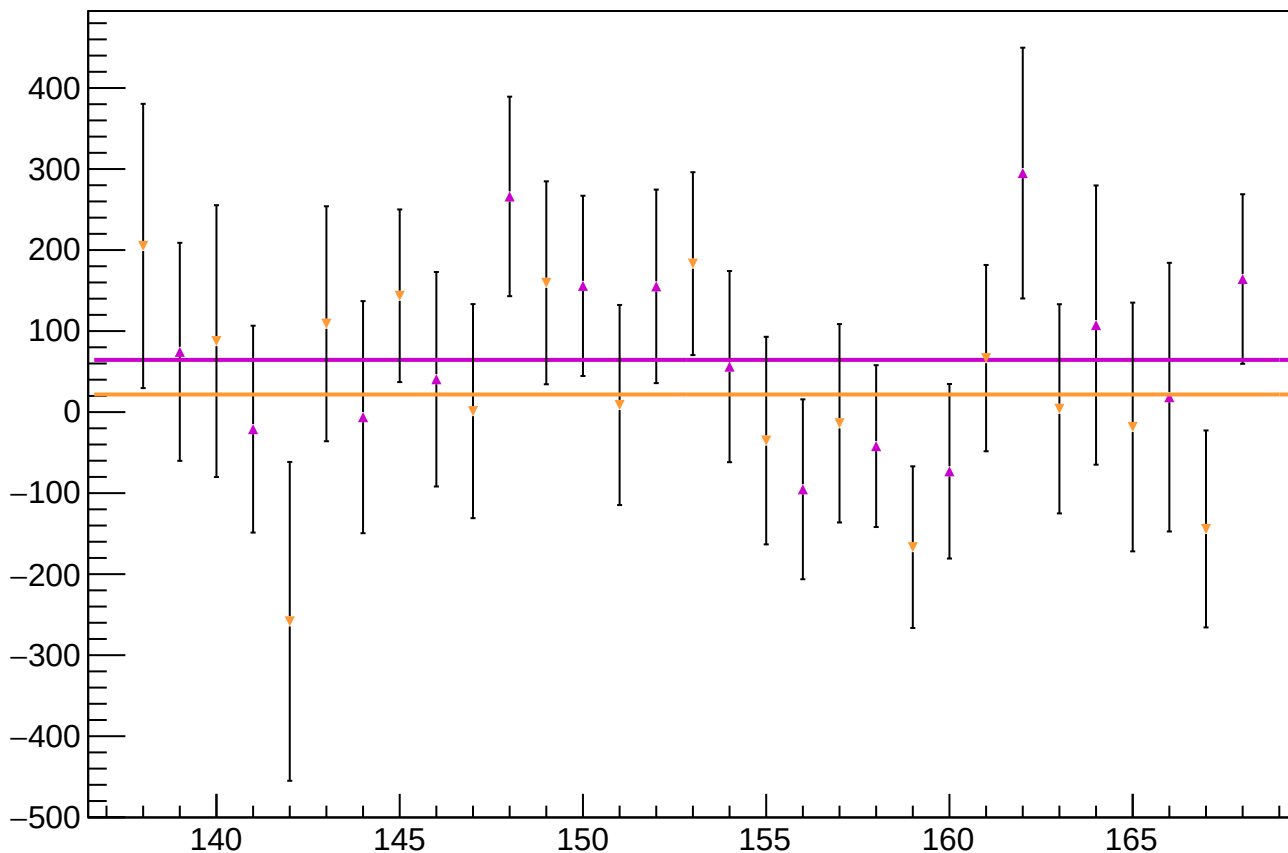
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 367.365+/-0.077 χ^2/NDF : 576308.5/14

Out: 374.409+/-0.078 χ^2/NDF : 647376.2/15

All: 370.838+/-0.055 χ^2/NDF : 1227834.4/30

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 21.758+/-32.132 χ^2/NDF :14.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 64.429+/-31.911 χ^2/NDF :12.8/14

Left: 43.241+/-22.642 χ^2/NDF : 27.9/30

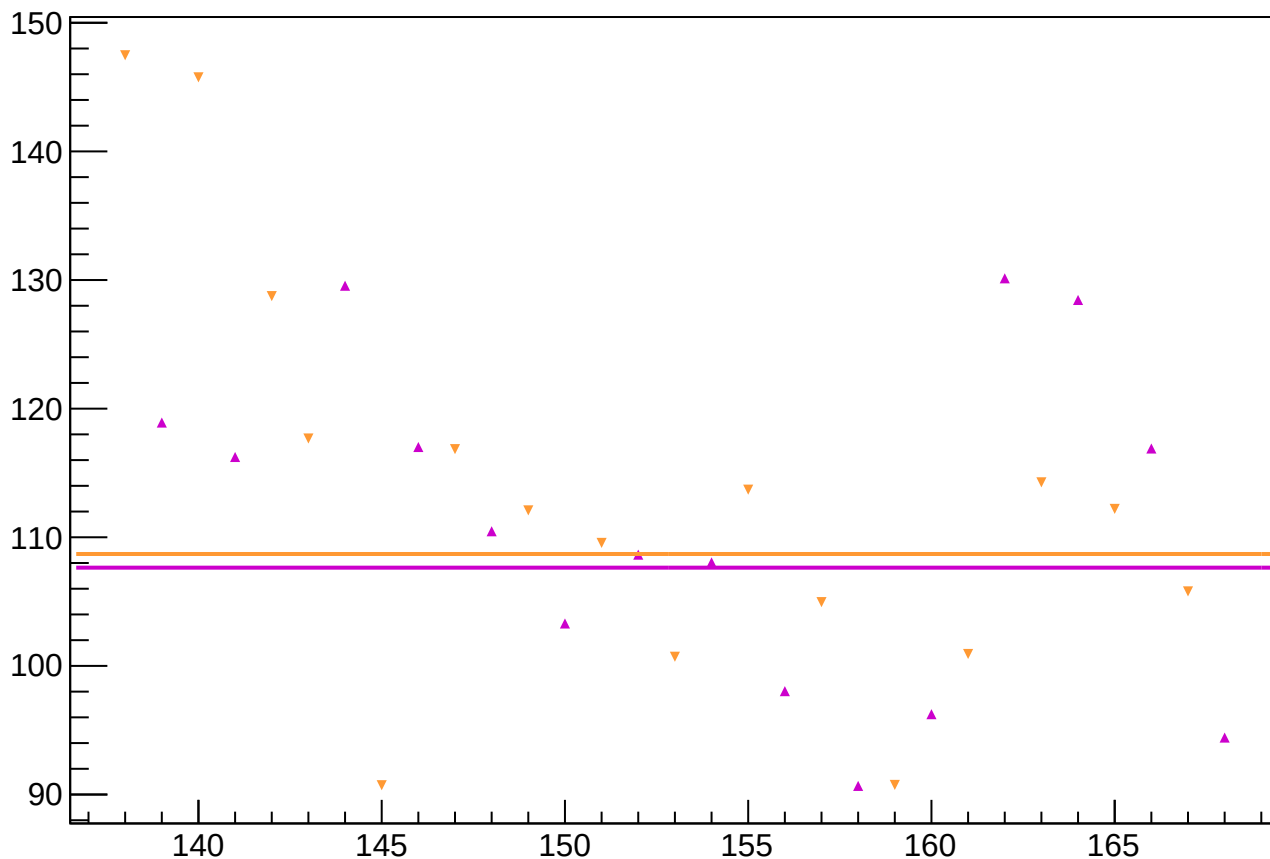
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 64.429+/-31.911 χ^2/NDF :12.8/14

Out: 21.758+/-32.132 χ^2/NDF :14.2/15

All: 43.241+/-22.642 χ^2/NDF : 27.9/30

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 108.700+/-0.023 χ^2/NDF :384621.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 107.637+/-0.023 χ^2/NDF :288938.7/14

Left: 108.165+/-0.016 χ^2/NDF : 674662.1/30

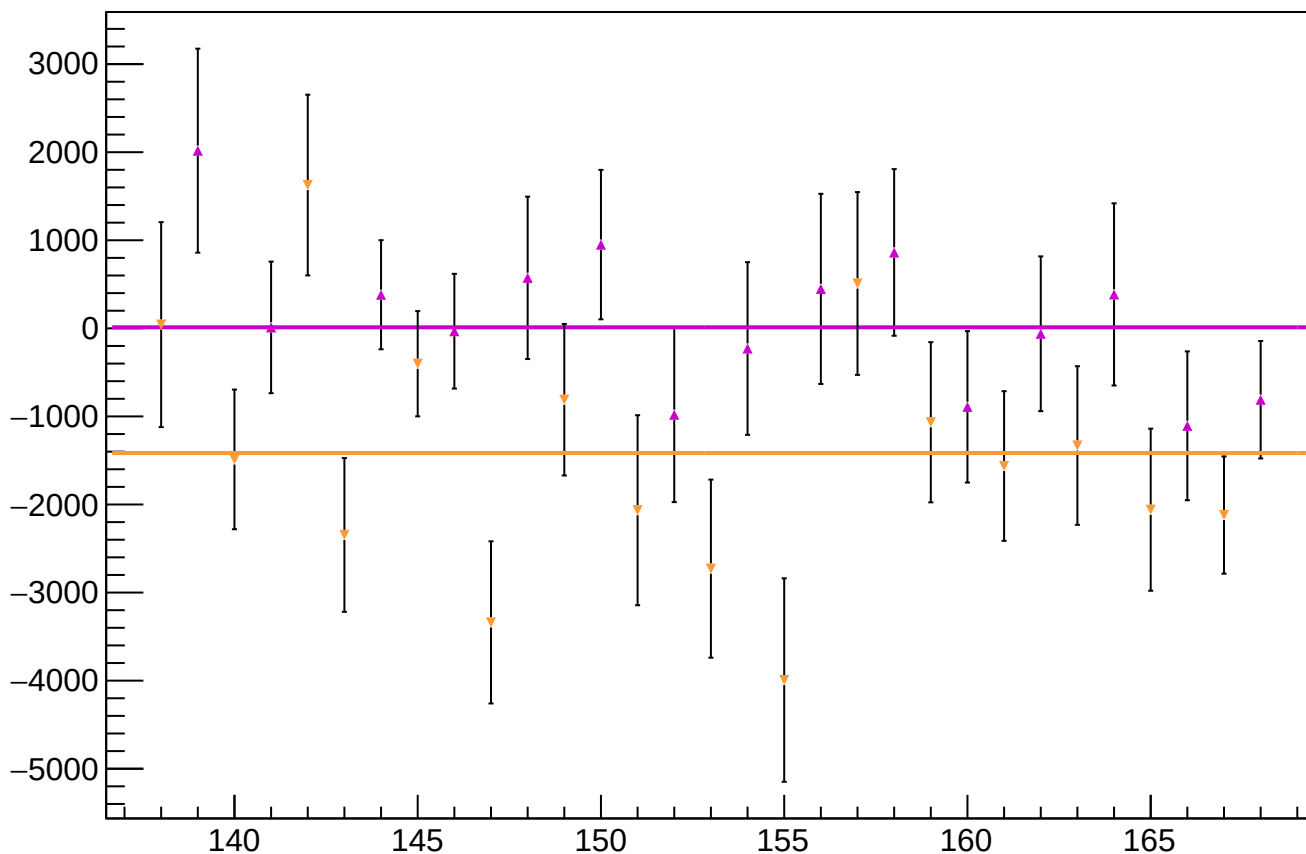
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 107.637+/-0.023 χ^2/NDF :288938.7/14

Out: 108.700+/-0.023 χ^2/NDF :384621.7/15

All: 108.165+/-0.016 χ^2/NDF : 674662.1/30

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1415.097+/-219.776 χ^2/NDF :31.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 11.913+/-216.506 χ^2/NDF :11.5/14

Left: -690.895+/-154.236 χ^2/NDF : 64.4/30

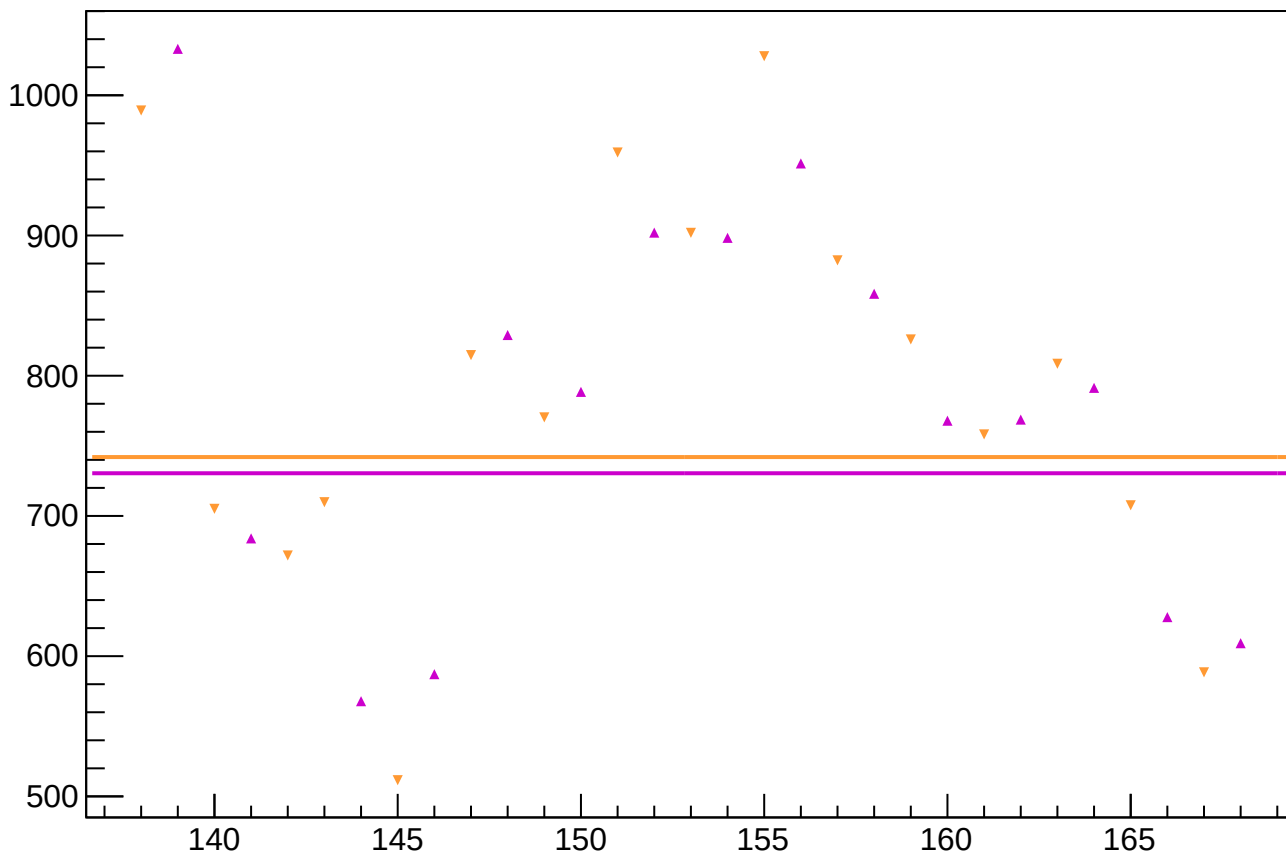
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 11.913+/-216.506 χ^2/NDF :11.5/14

Out: -1415.097+/-219.776 χ^2/NDF :31.5/15

All: -690.895+/-154.236 χ^2/NDF : 64.4/30

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 741.989+/-0.155 χ^2/NDF : 846776.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 730.444+/-0.153 χ^2/NDF : 760183.8/14

Left: 736.130+/-0.109 χ^2/NDF : 1609760.9/30

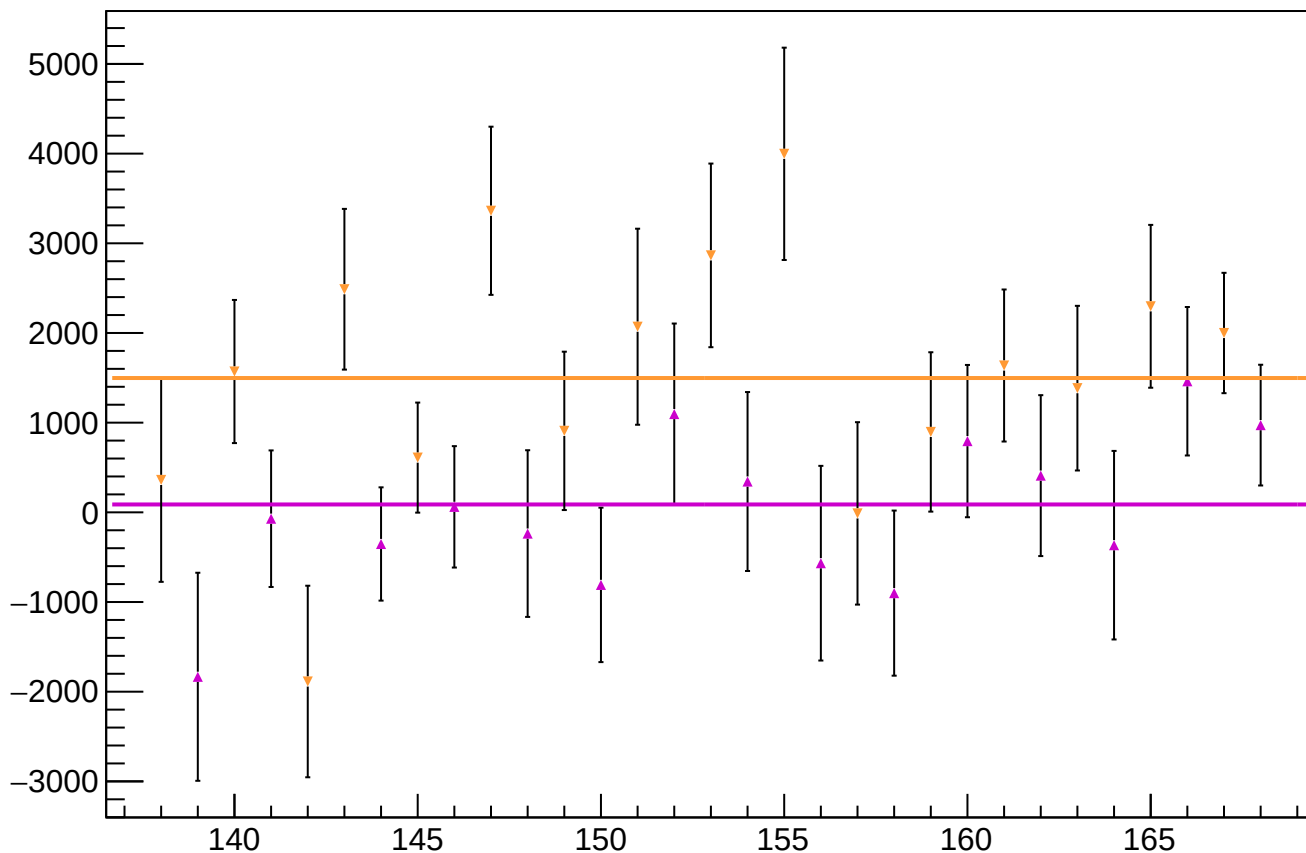
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 730.444+/-0.153 χ^2/NDF : 760183.8/14

Out: 741.989+/-0.155 χ^2/NDF : 846776.6/15

All: 736.130+/-0.109 χ^2/NDF : 1609760.9/30

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1497.687+/-221.983 χ^2/NDF :29.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 87.780+/-218.845 χ^2/NDF :12.6/14

Left: 782.698+/-155.844 χ^2/NDF : 62.3/30

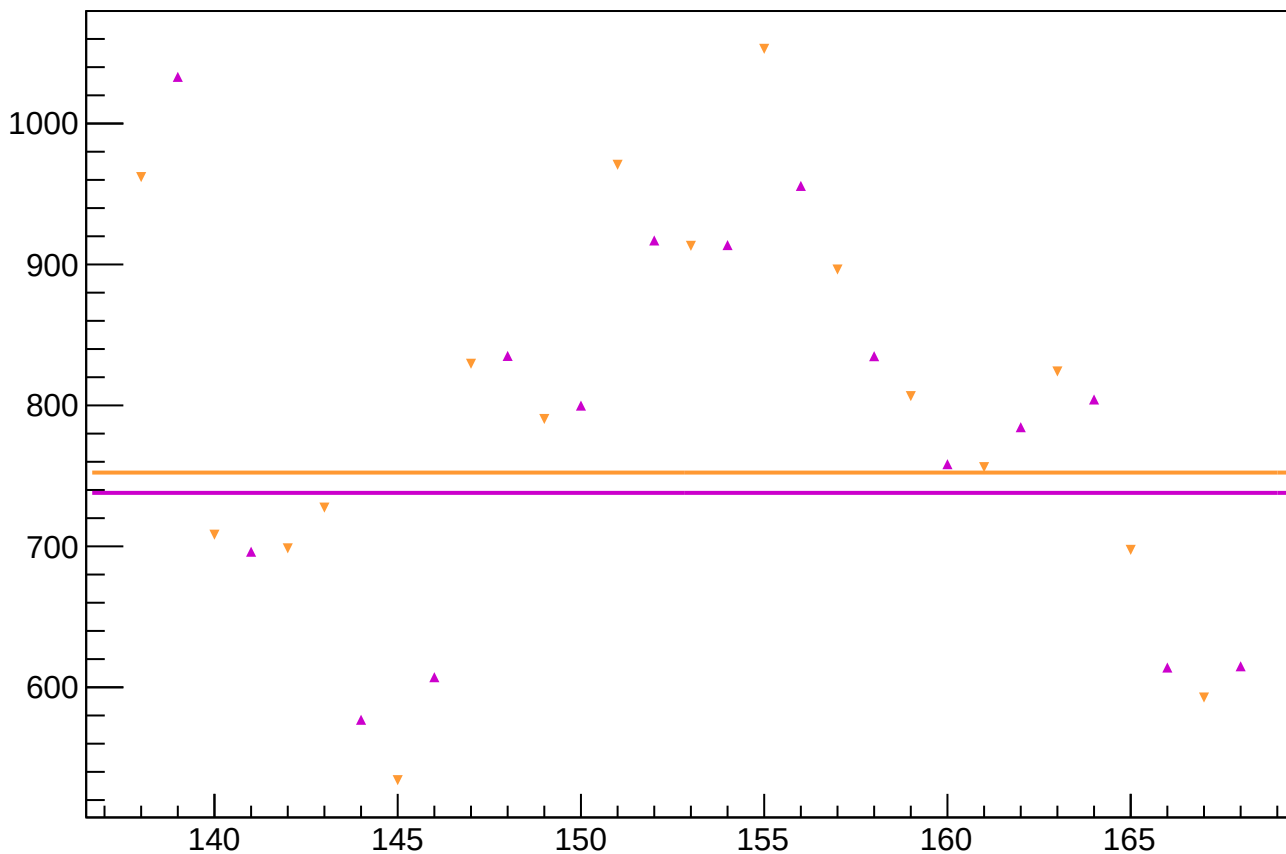
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 87.780+/-218.845 χ^2/NDF :12.6/14

Out: 1497.687+/-221.983 χ^2/NDF :29.3/15

All: 782.698+/-155.844 χ^2/NDF : 62.3/30

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 752.349+/-0.157 χ^2/NDF : 789581.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 737.949+/-0.155 χ^2/NDF : 726226.0/14

Left: 745.046+/-0.110 χ^2/NDF : 1520075.3/30

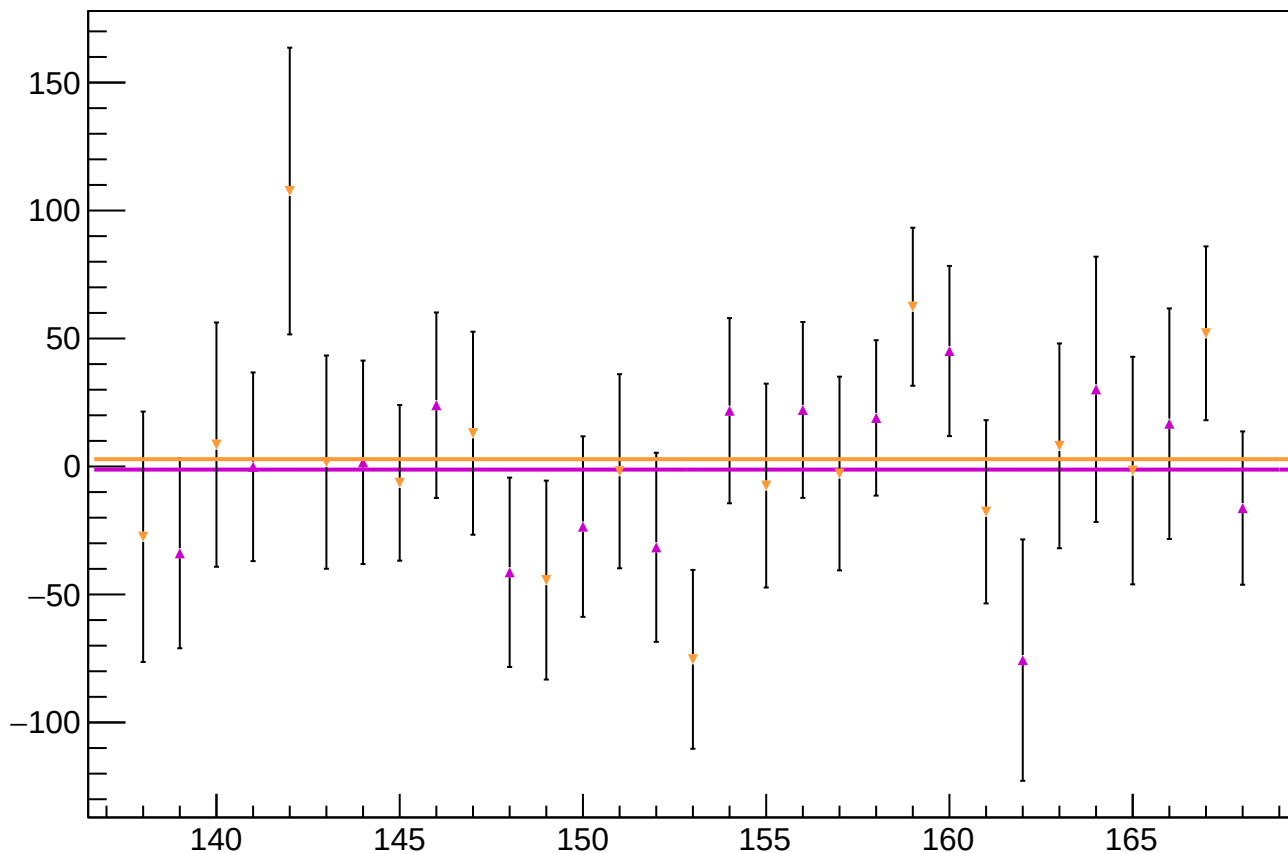
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 737.949+/-0.155 χ^2/NDF : 726226.0/14

Out: 752.349+/-0.157 χ^2/NDF : 789581.2/15

All: 745.046+/-0.110 χ^2/NDF : 1520075.3/30

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 2.859 $\pm$ 9.621 χ^2 /NDF:16.8/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -1.214 $\pm$ 9.468 χ^2 /NDF:10.0/14

Left: 0.790 $\pm$ 6.748 χ^2 /NDF: 26.9/30

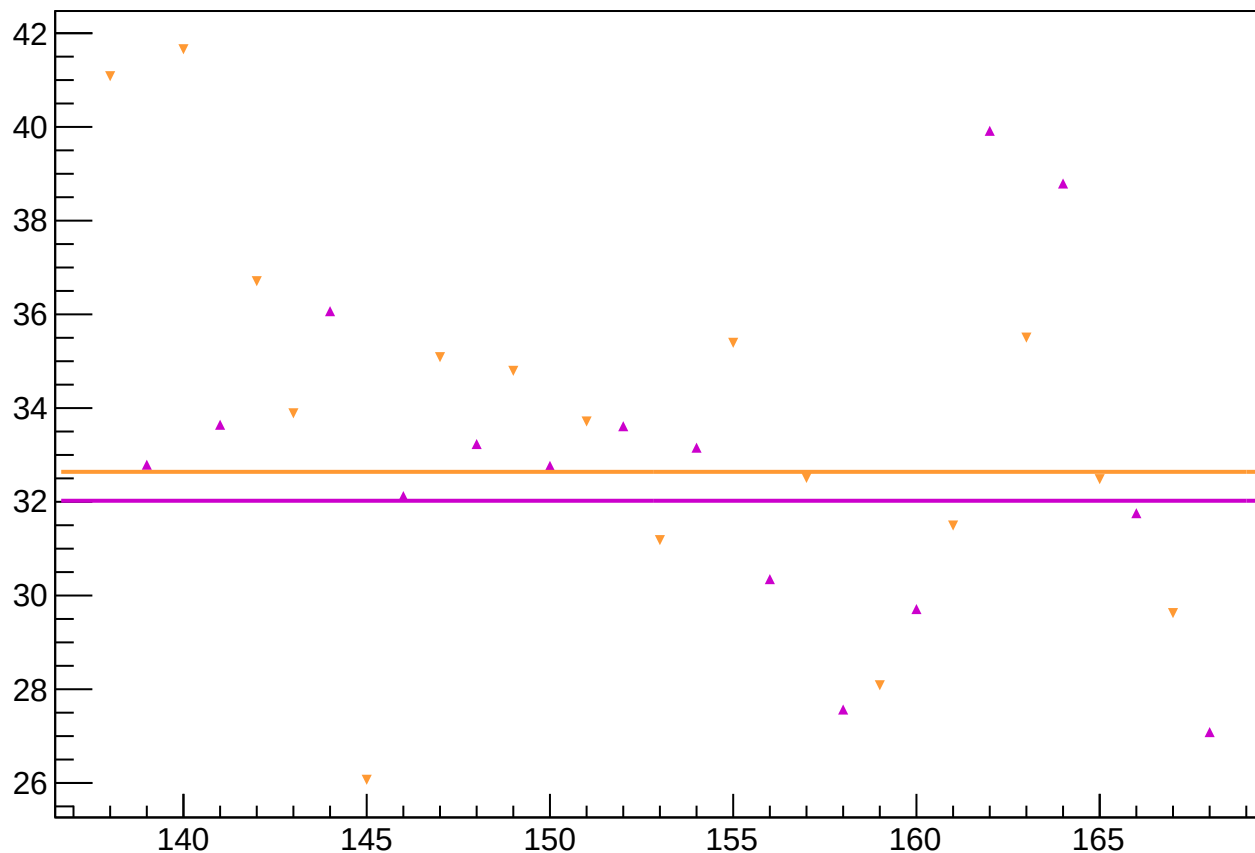
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -1.214 $\pm$ 9.468 χ^2 /NDF:10.0/14

Out: 2.859 $\pm$ 9.621 χ^2 /NDF:16.8/15

All: 0.790 $\pm$ 6.748 χ^2 /NDF: 26.9/30

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 32.640+/-0.007 χ^2/NDF :336858.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 32.022+/-0.007 χ^2/NDF :236234.6/14

Left: 32.326+/-0.005 χ^2/NDF : 577275.7/30

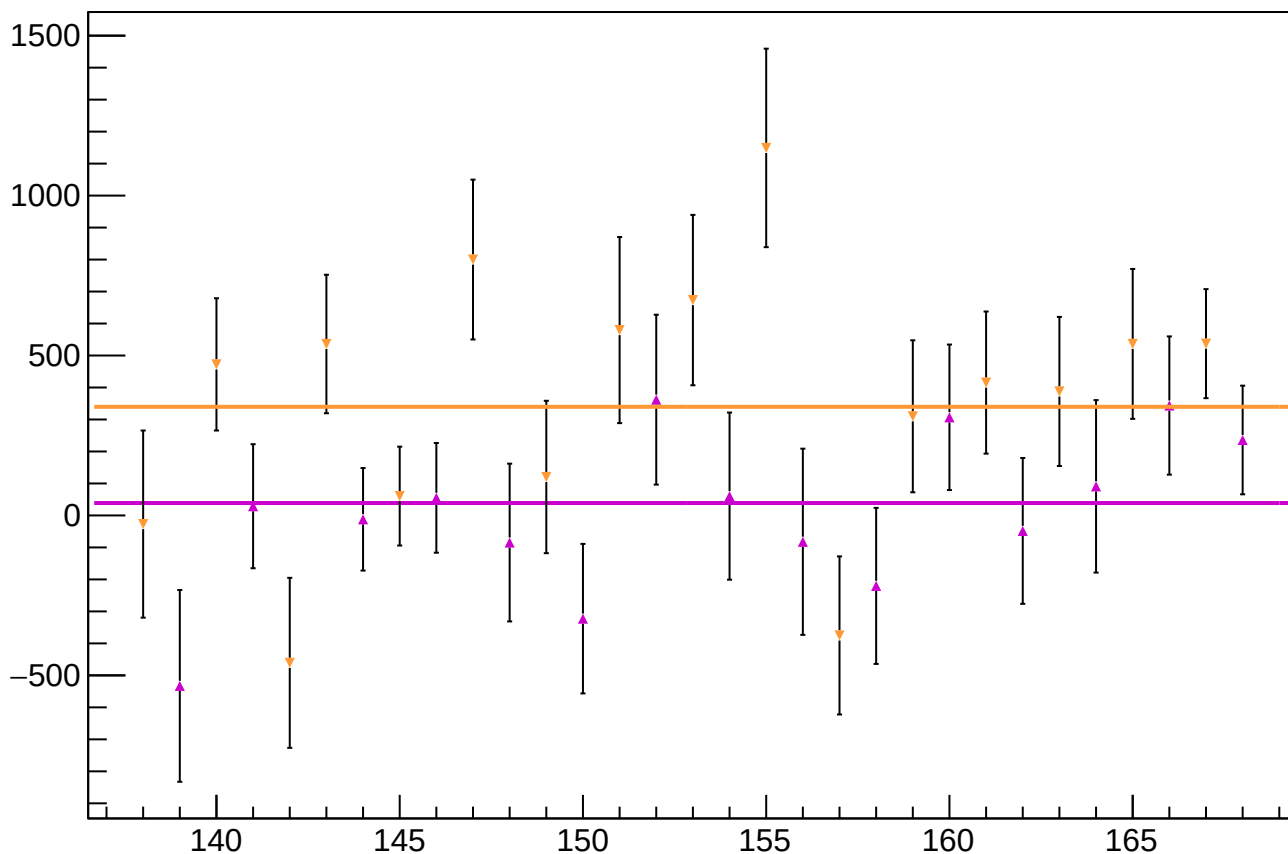
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 32.022+/-0.007 χ^2/NDF :236234.6/14

Out: 32.640+/-0.007 χ^2/NDF :336858.8/15

All: 32.326+/-0.005 χ^2/NDF : 577275.7/30

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 339.679+/-57.002 χ^2/NDF :39.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 38.808+/-56.685 χ^2/NDF :14.1/14

Left: 188.405+/-40.194 χ^2/NDF : 67.1/30

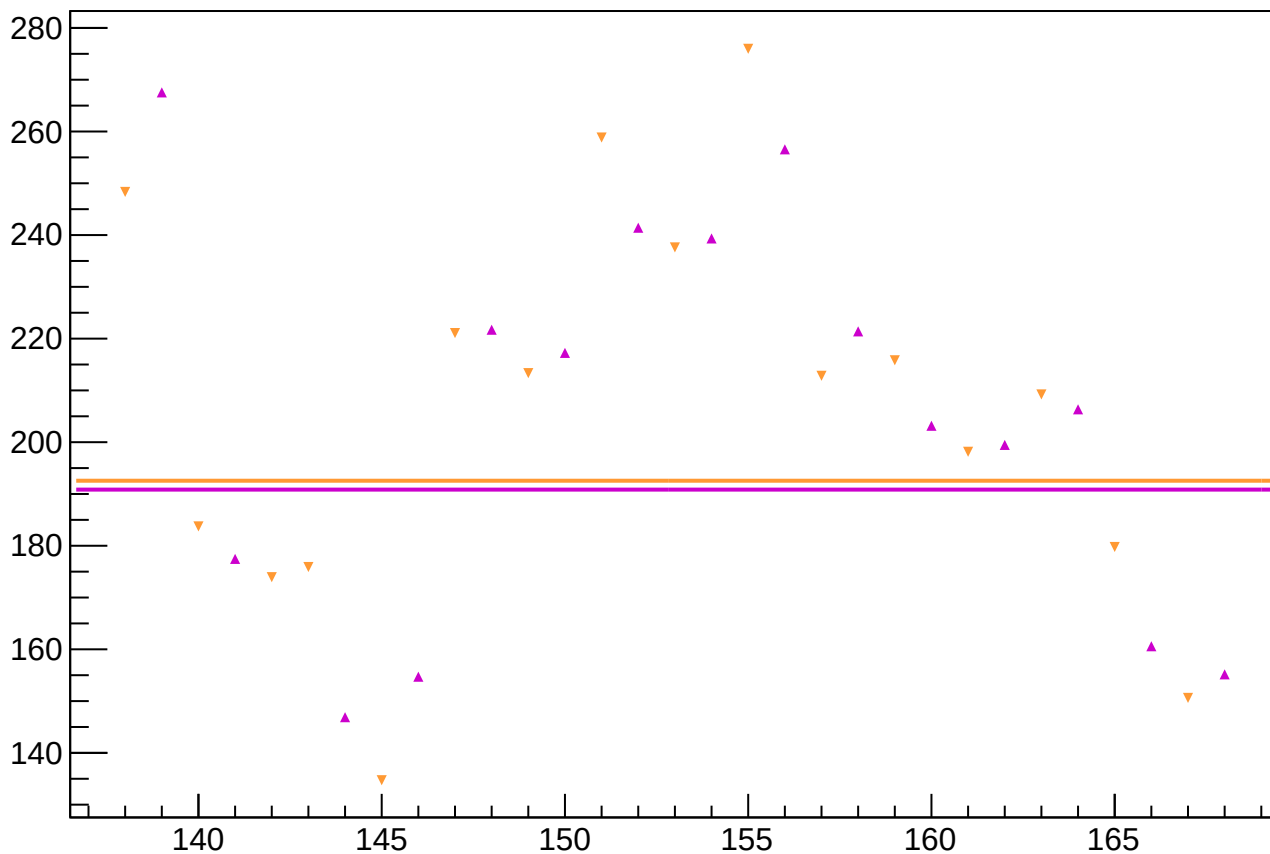
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 38.808+/-56.685 χ^2/NDF :14.1/14

Out: 339.679+/-57.002 χ^2/NDF :39.0/15

All: 188.405+/-40.194 χ^2/NDF : 67.1/30

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 192.559+/-0.040 χ^2/NDF : 896099.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 190.843+/-0.040 χ^2/NDF : 854046.3/14

Left: 191.696+/-0.028 χ^2/NDF : 1751057.3/30

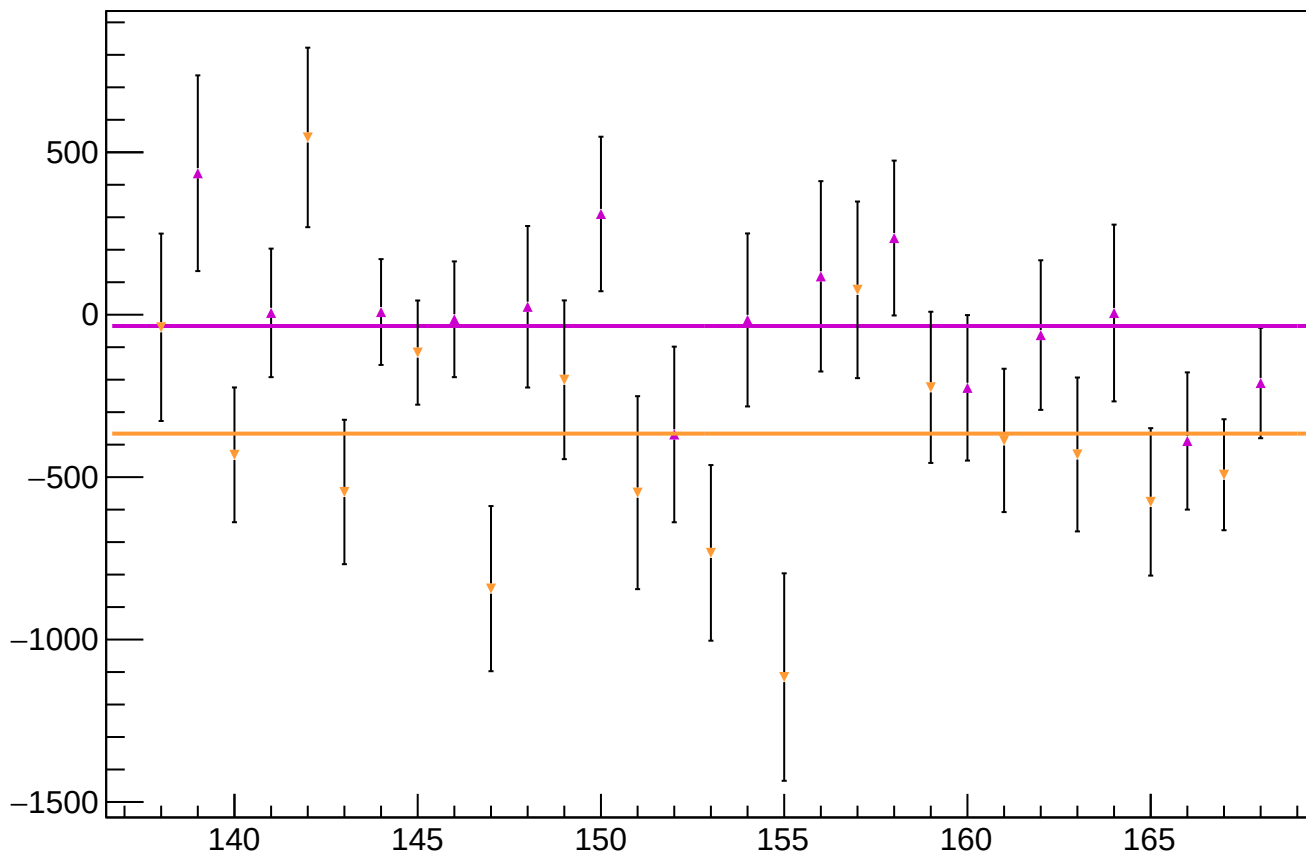
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 190.843+/-0.040 χ^2/NDF : 854046.3/14

Out: 192.559+/-0.040 χ^2/NDF : 896099.6/15

All: 191.696+/-0.028 χ^2/NDF : 1751057.3/30

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -366.006+/-57.871 χ^2/NDF :31.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -34.773+/-57.165 χ^2/NDF :12.4/14

Left: -198.356+/-40.669 χ^2/NDF : 60.6/30

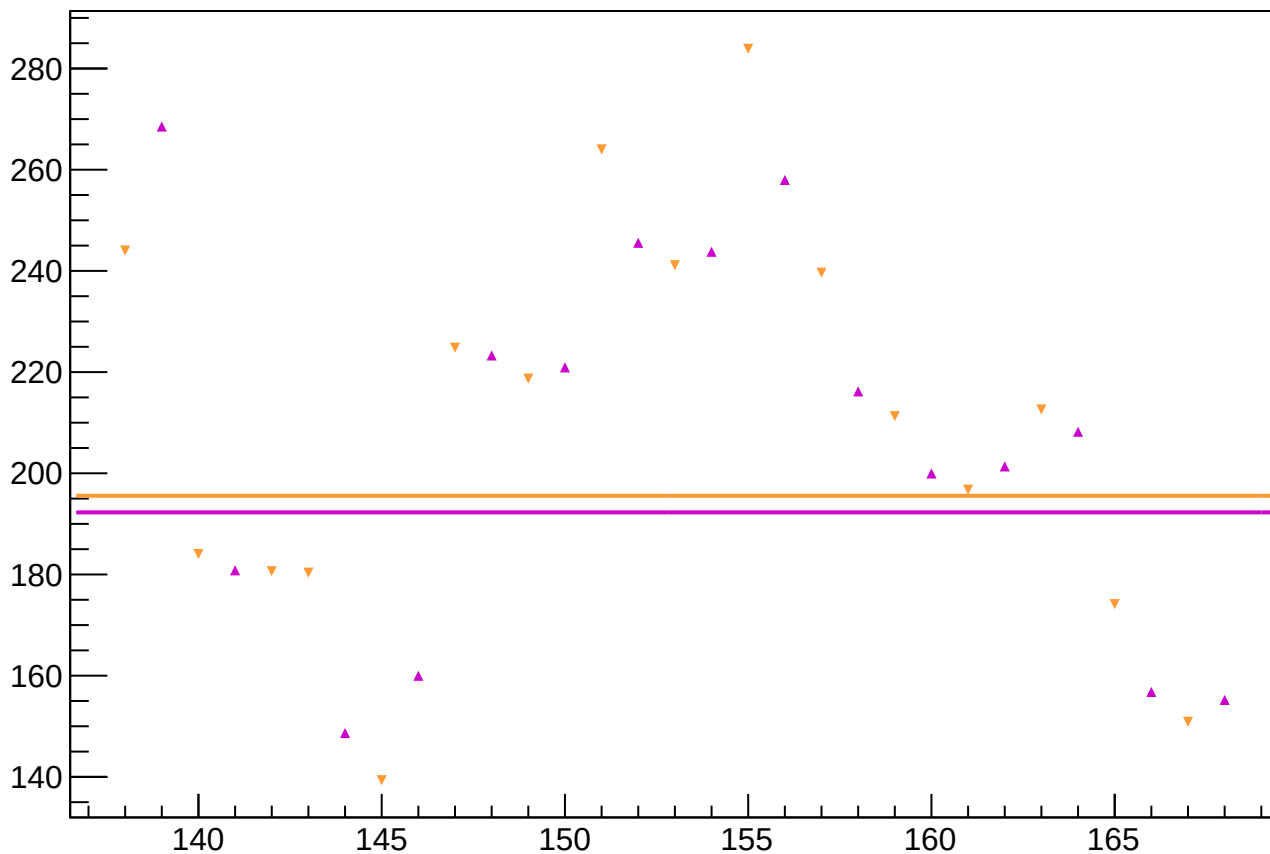
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -34.773+/-57.165 χ^2/NDF :12.4/14

Out: -366.006+/-57.871 χ^2/NDF :31.6/15

All: -198.356+/-40.669 χ^2/NDF : 60.6/30

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 195.560+/-0.041 χ^2/NDF : 910958.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 192.274+/-0.040 χ^2/NDF : 841298.6/14

Left: 193.897+/-0.029 χ^2/NDF : 1755521.5/30

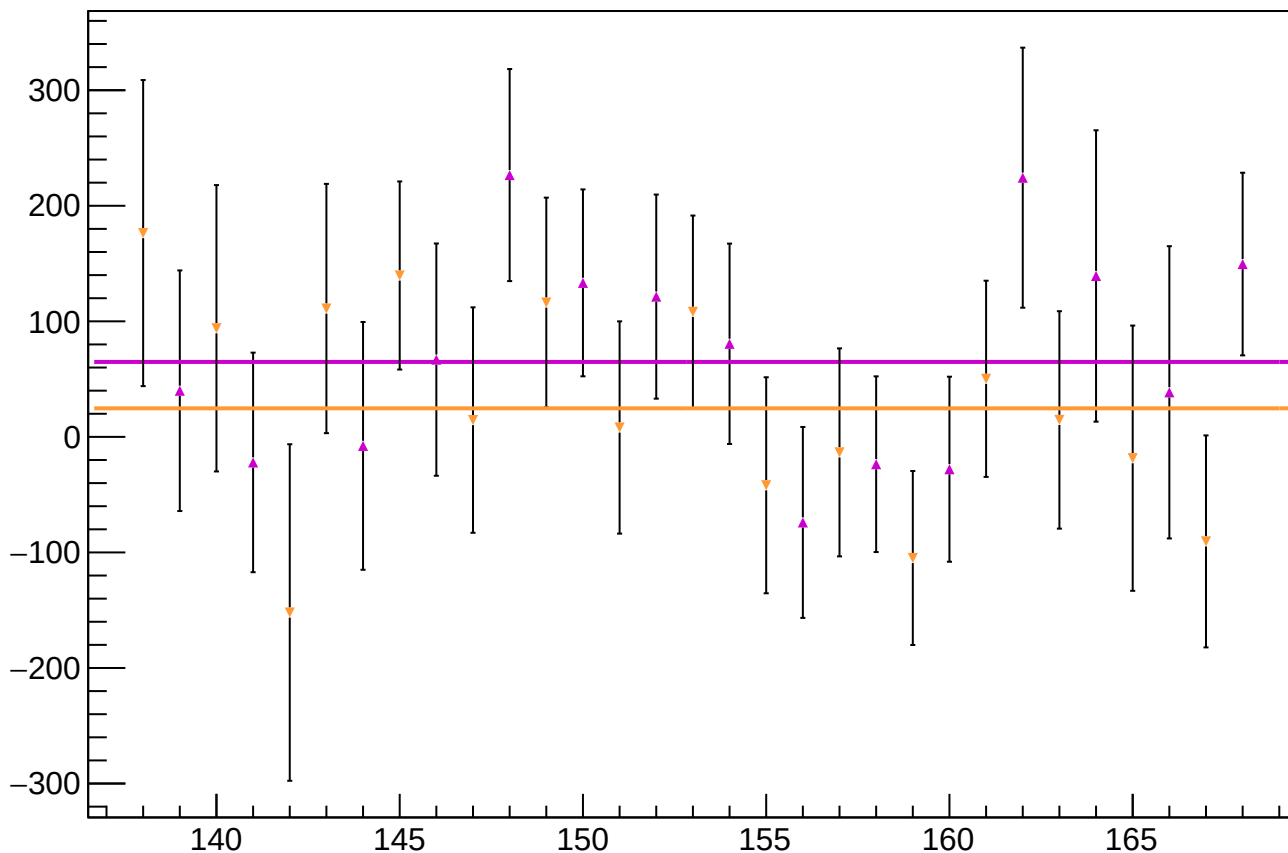
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 192.274+/-0.040 χ^2/NDF : 841298.6/14

Out: 195.560+/-0.041 χ^2/NDF : 910958.2/15

All: 193.897+/-0.029 χ^2/NDF : 1755521.5/30

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 24.686+/-23.865 χ^2/NDF :13.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 64.859+/-23.823 χ^2/NDF :14.7/14

Left: 44.808+/-16.860 χ^2/NDF : 29.4/30

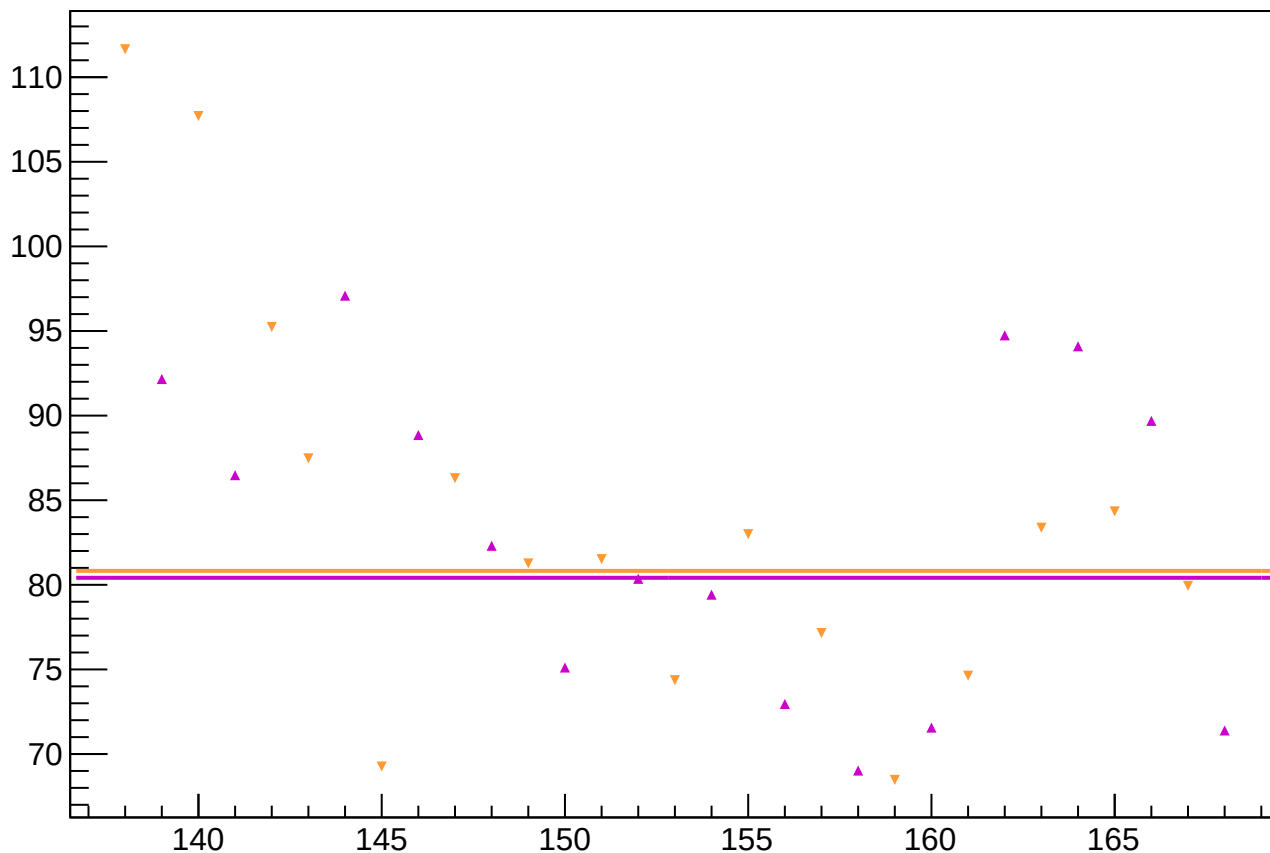
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 64.859+/-23.823 χ^2/NDF :14.7/14

Out: 24.686+/-23.865 χ^2/NDF :13.3/15

All: 44.808+/-16.860 χ^2/NDF : 29.4/30

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 80.824+/-0.017 χ^2/NDF :360879.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 80.416+/-0.017 χ^2/NDF :284211.9/14

Left: 80.619+/-0.012 χ^2/NDF : 645384.5/30

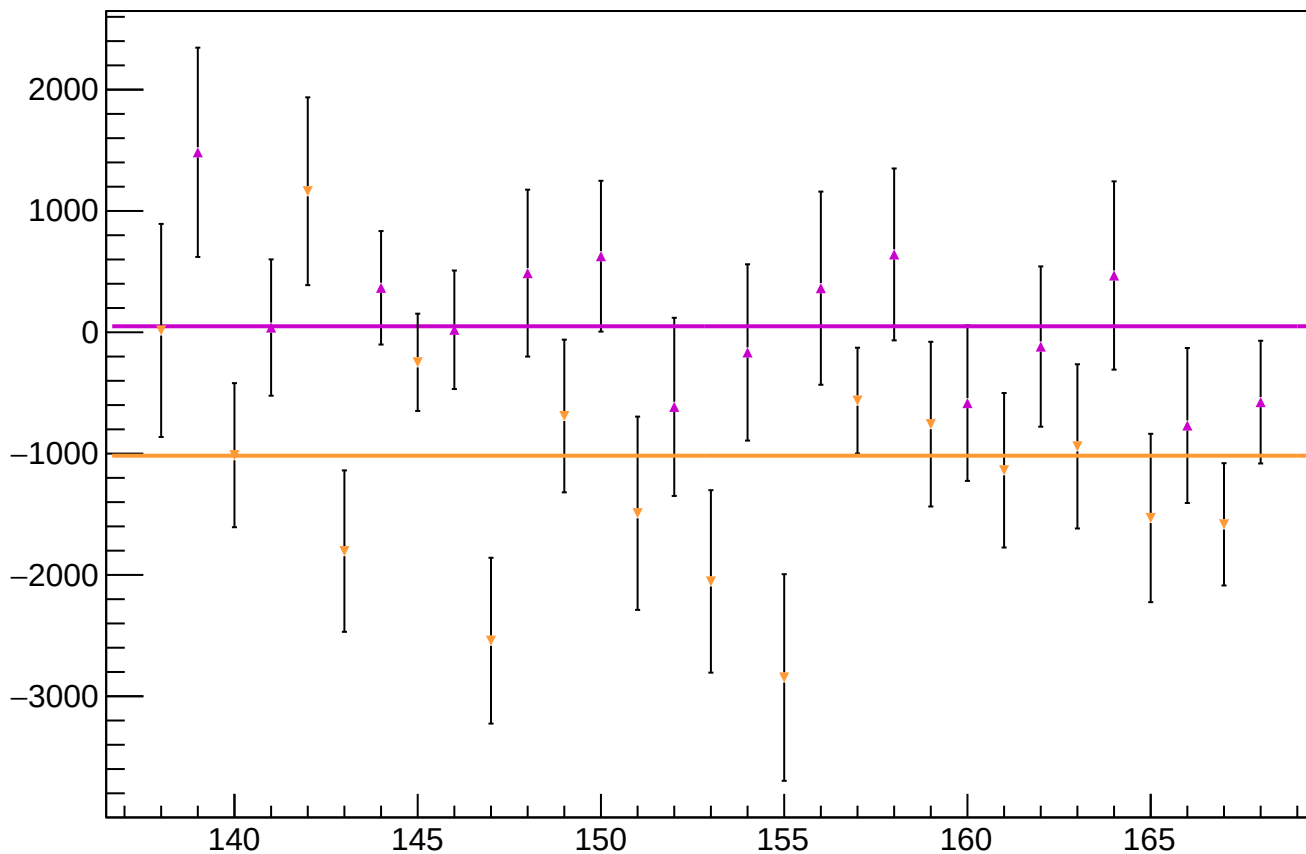
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 80.416+/-0.017 χ^2/NDF :284211.9/14

Out: 80.824+/-0.017 χ^2/NDF :360879.0/15

All: 80.619+/-0.012 χ^2/NDF : 645384.5/30

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1017.285+/-154.718 χ^2/NDF :29.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 49.576+/-162.129 χ^2/NDF :10.8/14

Left: -508.794+/-111.931 χ^2/NDF : 63.0/30

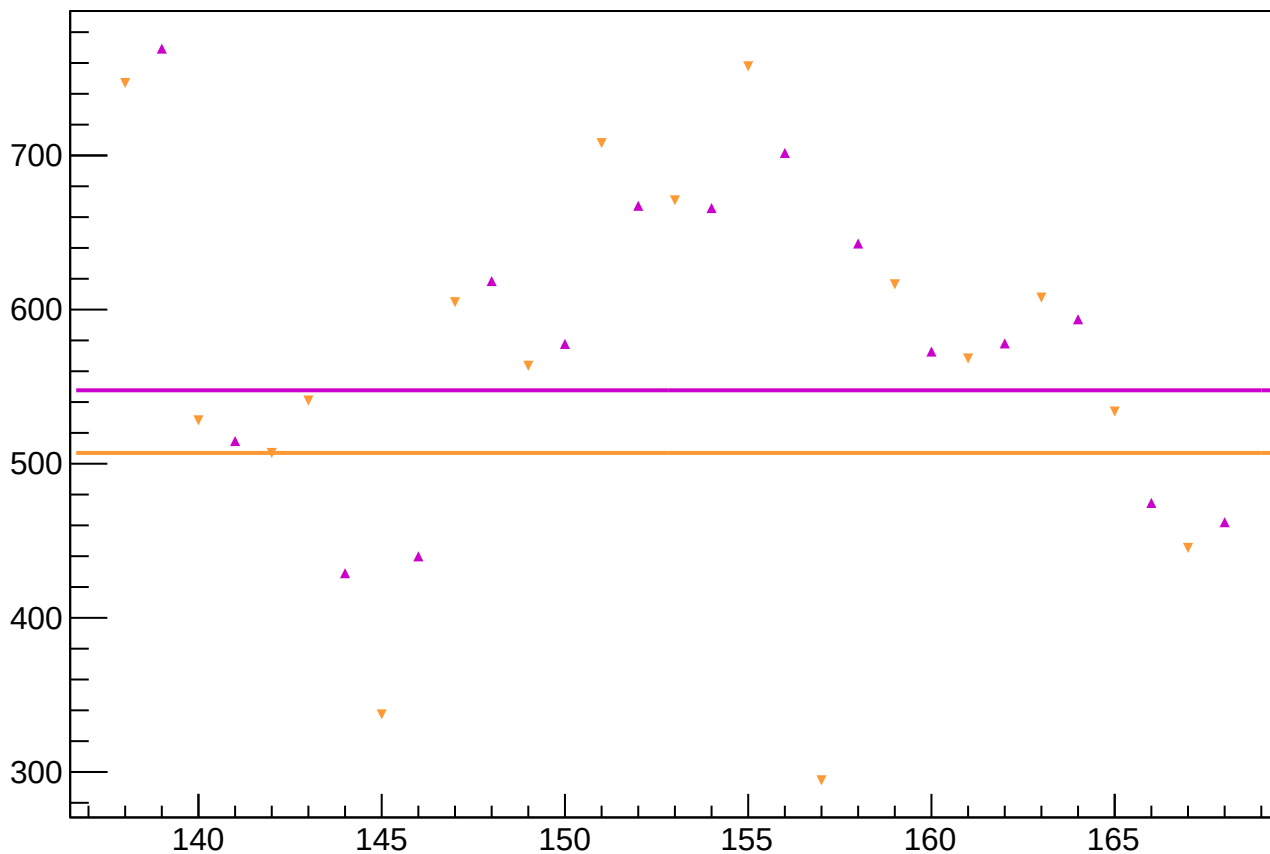
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 49.576+/-162.129 χ^2/NDF :10.8/14

Out: -1017.285+/-154.718 χ^2/NDF :29.6/15

All: -508.794+/-111.931 χ^2/NDF : 63.0/30

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 507.014+/-0.109 χ^2/NDF :1591168.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 547.638+/-0.115 χ^2/NDF :705959.0/14

Left: 526.377+/-0.079 χ^2/NDF : 2362844.7/30

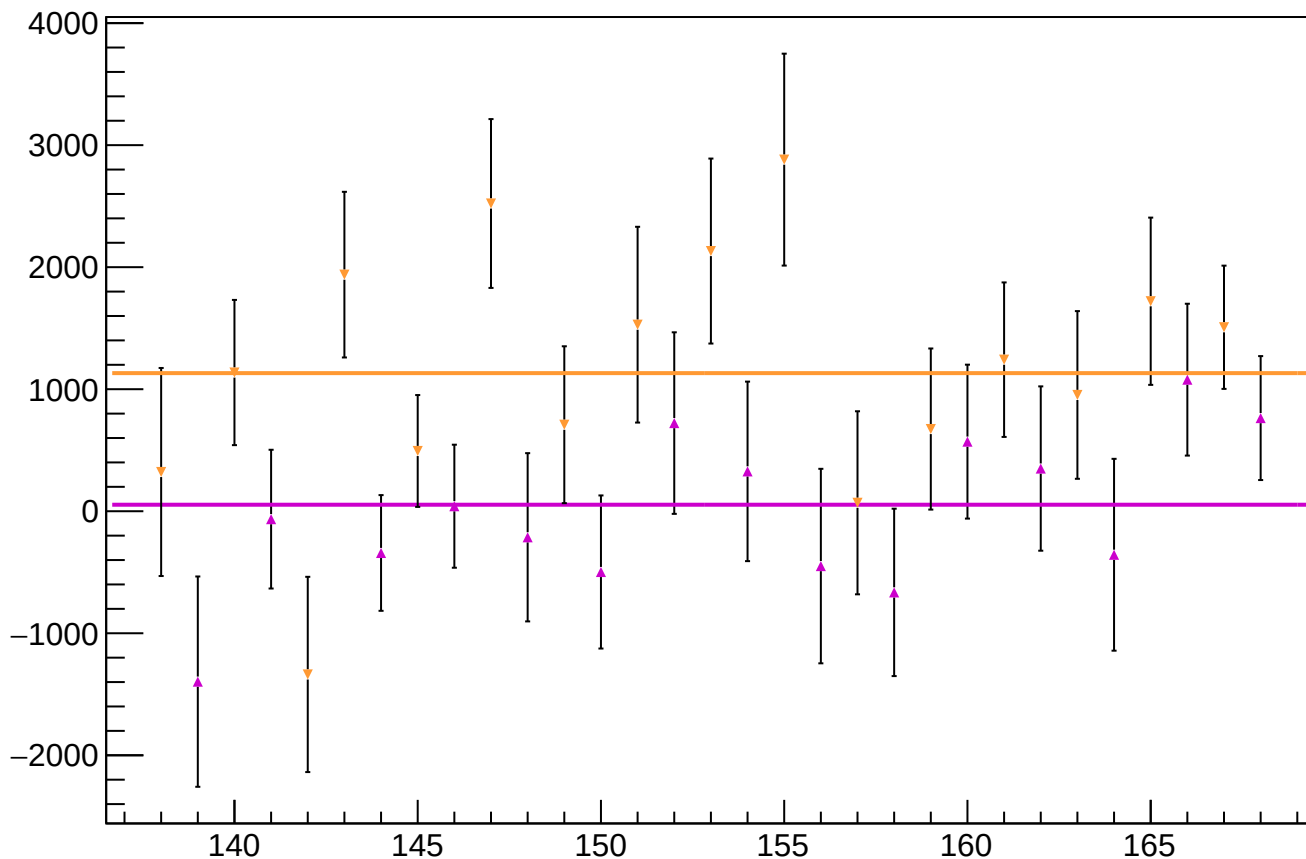
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 547.638+/-0.115 χ^2/NDF :705959.0/14

Out: 507.014+/-0.109 χ^2/NDF :1591168.3/15

All: 526.377+/-0.079 χ^2/NDF : 2362844.7/30

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1131.784+/-165.389 χ^2/NDF :28.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 53.315+/-163.036 χ^2/NDF :12.7/14

Left: 584.823+/-116.107 χ^2/NDF : 62.5/30

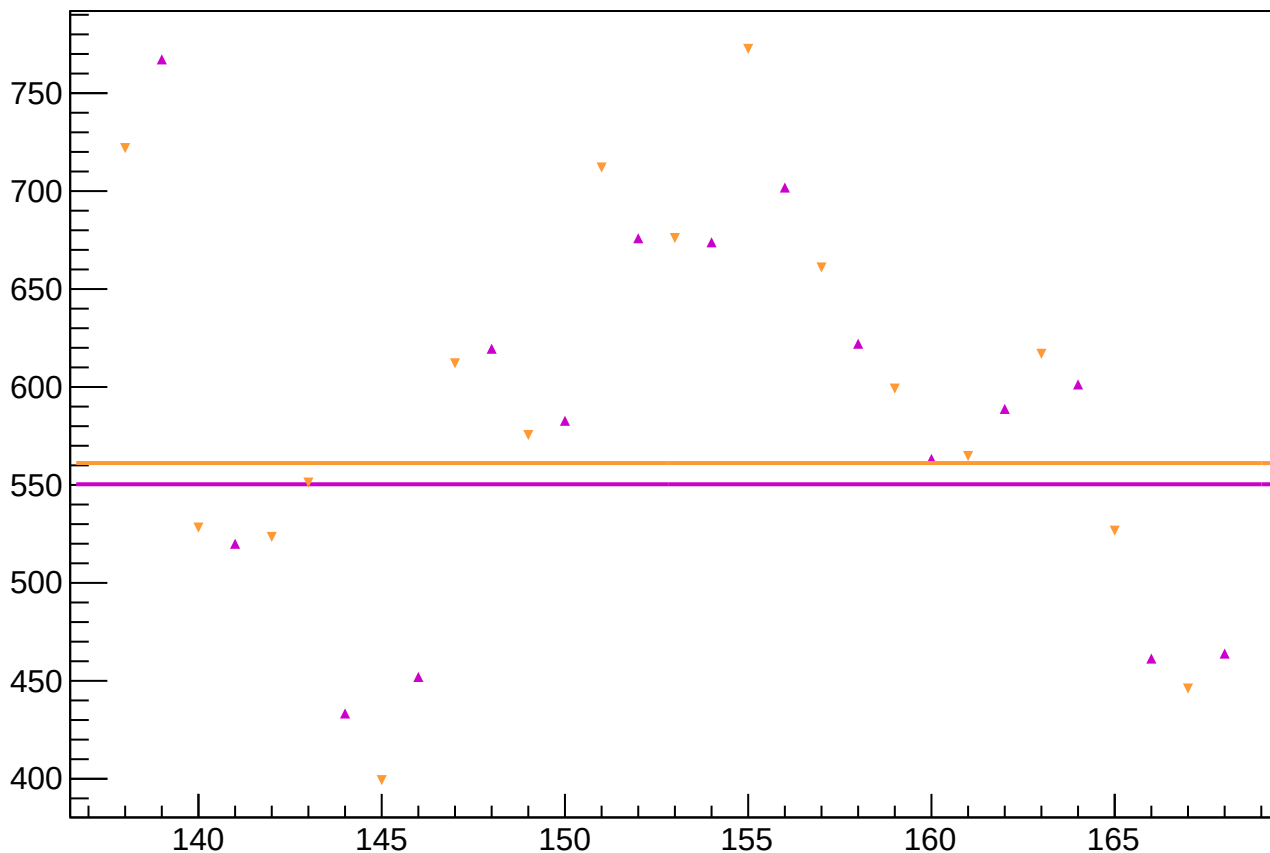
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 53.315+/-163.036 χ^2/NDF :12.7/14

Out: 1131.784+/-165.389 χ^2/NDF :28.2/15

All: 584.823+/-116.107 χ^2/NDF : 62.5/30

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 561.173+/-0.117 χ^2/NDF : 742843.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 550.346+/-0.115 χ^2/NDF : 677914.0/14

Left: 555.682+/-0.082 χ^2/NDF : 1425103.9/30

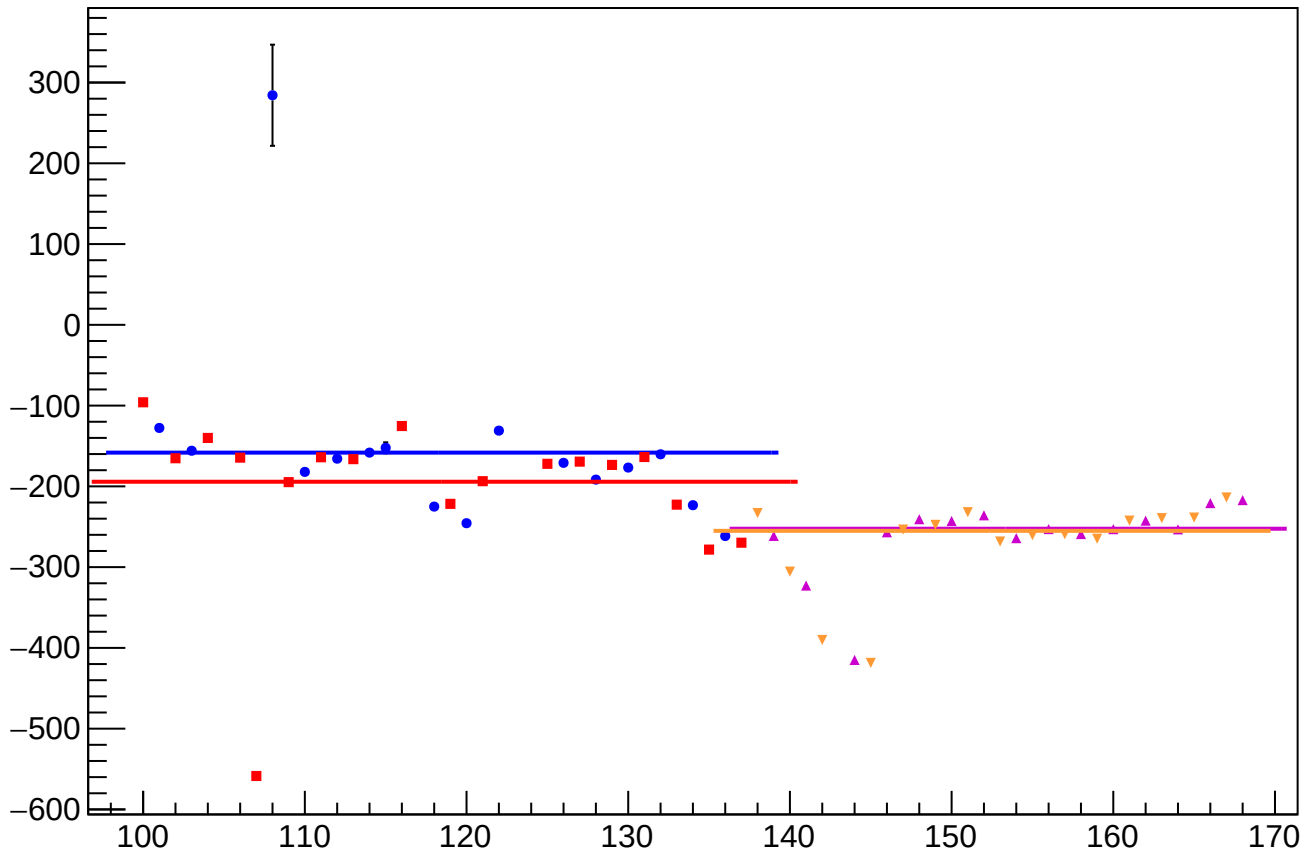
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 550.346+/-0.115 χ^2/NDF : 677914.0/14

Out: 561.173+/-0.117 χ^2/NDF : 742843.0/15

All: 555.682+/-0.082 χ^2/NDF : 1425103.9/30

dit_usl_4aX_slope vs Slug, Sign Corrected



Right In: -158.222+/-0.000 χ^2/NDF : 117166.2/15

Left Out: -255.072+/-0.145 χ^2/NDF : 38629.1/14

Right Out: -194.268+/-0.165 χ^2/NDF : 176560.4/17

Left In: -252.442+/-0.144 χ^2/NDF : 63952.1/14

Left: -253.748+/-0.102 χ^2/NDF : 102747.4/29

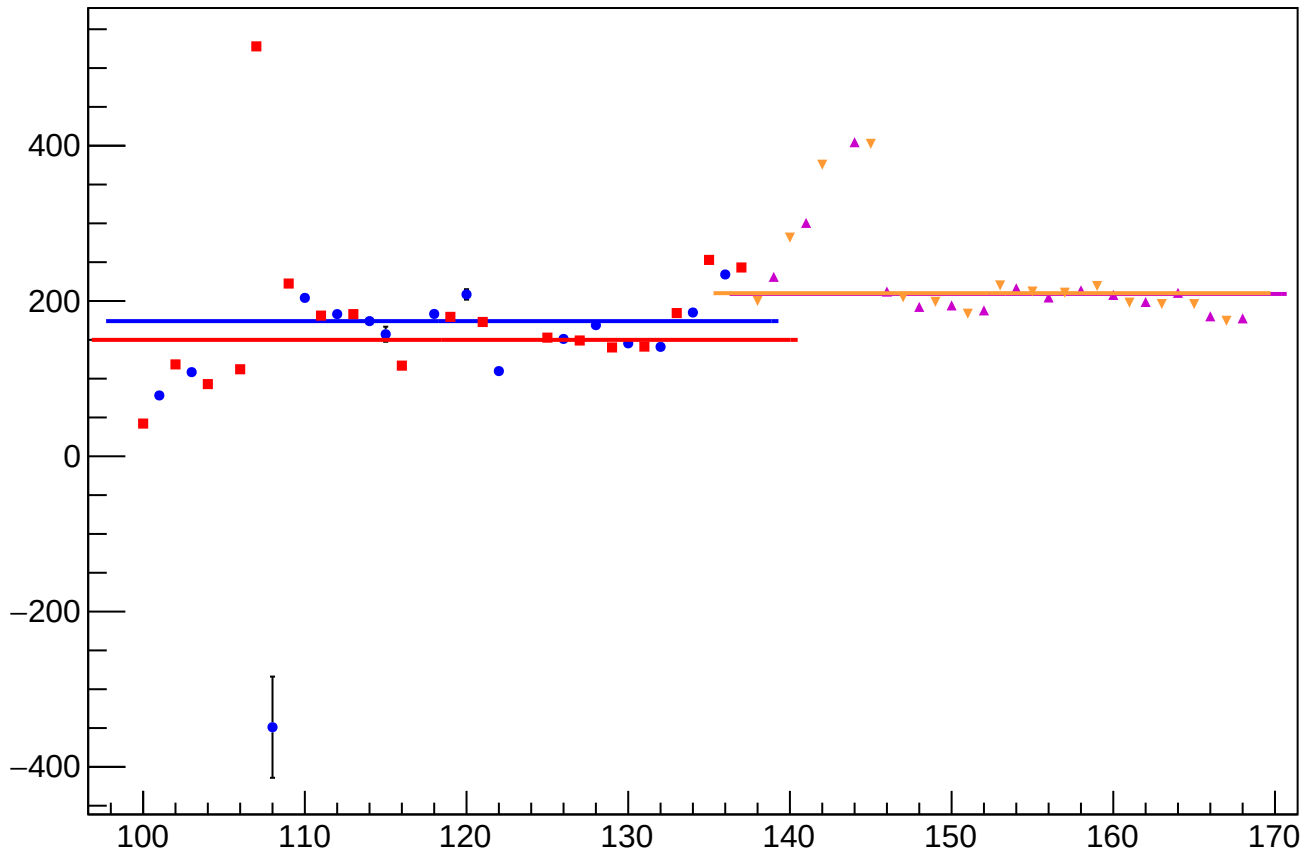
Right: -158.222+/-0.000 χ^2/NDF : 341369.6/33

In: -158.222+/-0.000 χ^2/NDF : 610705.0/30

Out: -228.657+/-0.109 χ^2/NDF : 291860.7/32

All: -158.222+/-0.000 χ^2/NDF : 1321308.1/63

dit_usl_4eX_slope vs Slug, Sign Corrected



Right In: 174.085 $\pm$ 0.000 χ^2 /NDF: 53377.4/15

Left Out: 210.078 $\pm$ 0.144 χ^2 /NDF: 43152.5/14

Right Out: 149.948 $\pm$ 0.196 χ^2 /NDF: 167846.4/17

Left In: 209.089 $\pm$ 0.144 χ^2 /NDF: 78950.7/14

Left: 209.583 $\pm$ 0.102 χ^2 /NDF: 122126.6/29

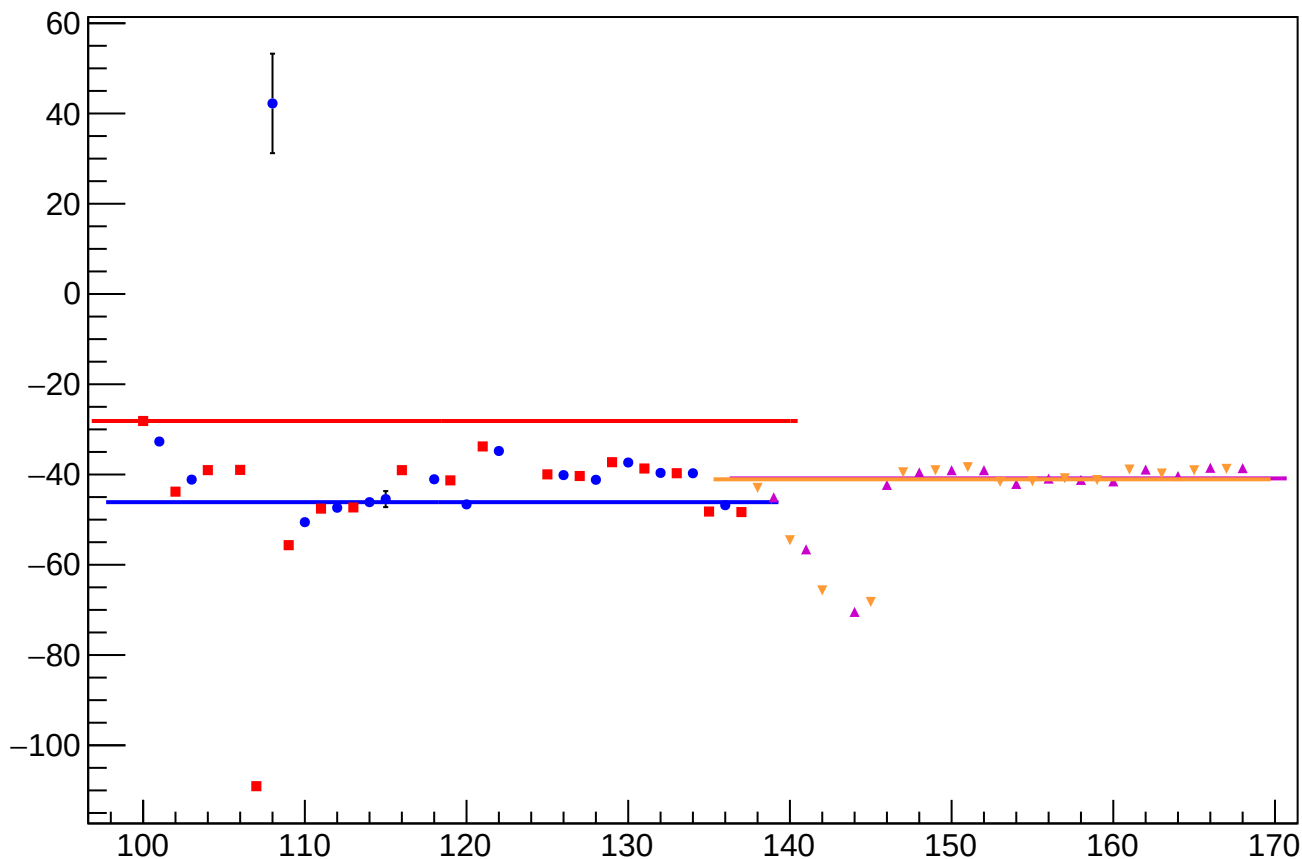
Right: 174.085 $\pm$ 0.000 χ^2 /NDF: 236460.5/33

In: 174.085 $\pm$ 0.000 χ^2 /NDF: 191282.4/30

Out: 188.881 $\pm$ 0.116 χ^2 /NDF: 272224.0/32

All: 174.085 $\pm$ 0.000 χ^2 /NDF: 479747.2/63

dit_usl_11X12X_slope vs Slug, Sign Corrected



Right In: -46.126+/-0.000 χ^2/NDF : 201273.7/15

Left Out: -41.064+/-0.008 χ^2/NDF : 96566.0/14

Right Out: -28.139+/-0.000 χ^2/NDF : 746939.9/17

Left In: -40.861+/-0.009 χ^2/NDF : 166177.6/14

Left: -40.976+/-0.006 χ^2/NDF : 263032.5/29

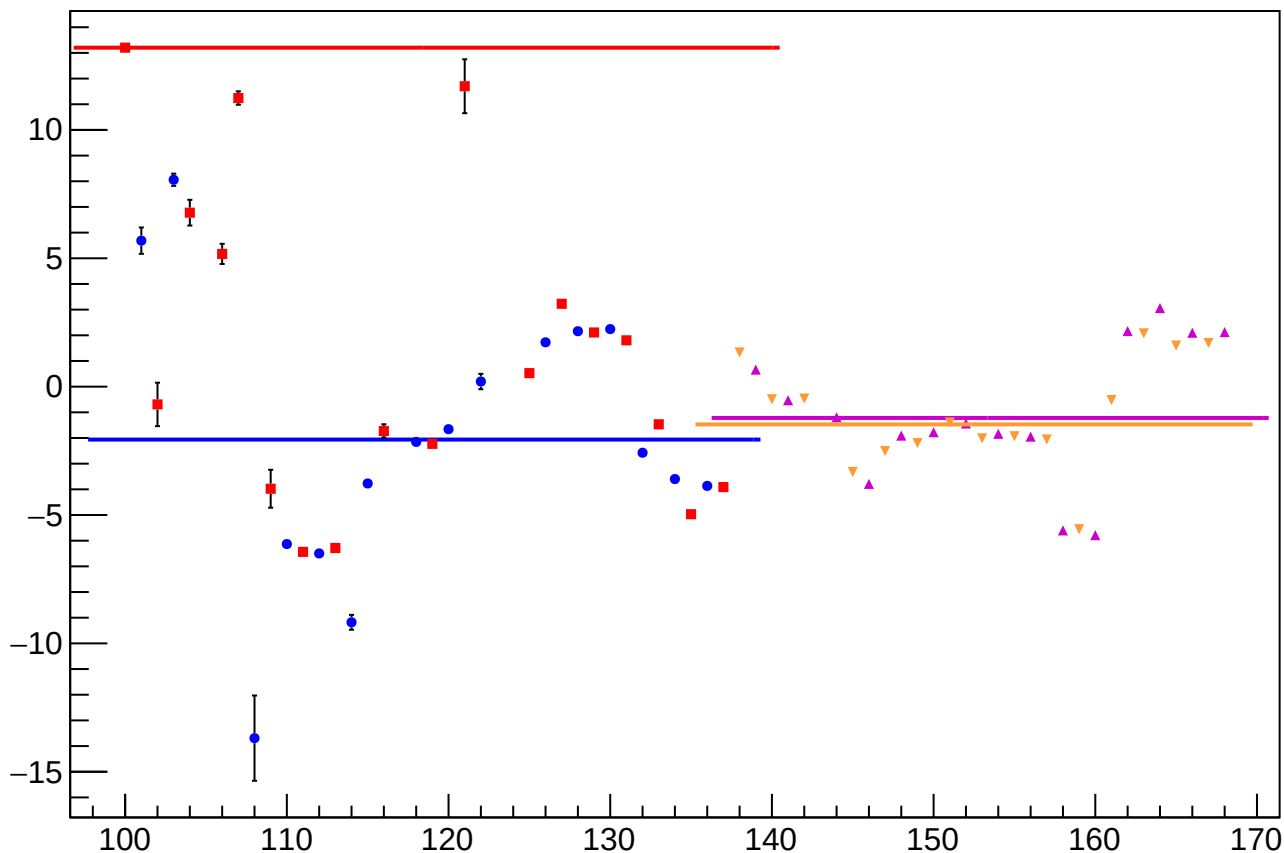
Right: -39.778+/-0.000 χ^2/NDF : 248795993231659

In: -46.126+/-0.000 χ^2/NDF : 711292.8/30

Out: -28.139+/-0.000 χ^2/NDF : 3550143.4/32

All: -39.778+/-0.000 χ^2/NDF : 248795993231

dit_usl_4aY_slope vs Slug, Sign Corrected



Right In: -2.061 ± 0.018 χ^2/NDF : 25665.1/15

Left Out: -1.470 ± 0.008 χ^2/NDF : 76061.6/14

Right Out: 13.204 ± 0.000 χ^2/NDF : 509721.0/17

Left In: -1.220 ± 0.007 χ^2/NDF : 135911.7/14

Left: -1.315 ± 0.005 χ^2/NDF : 212524.6/29

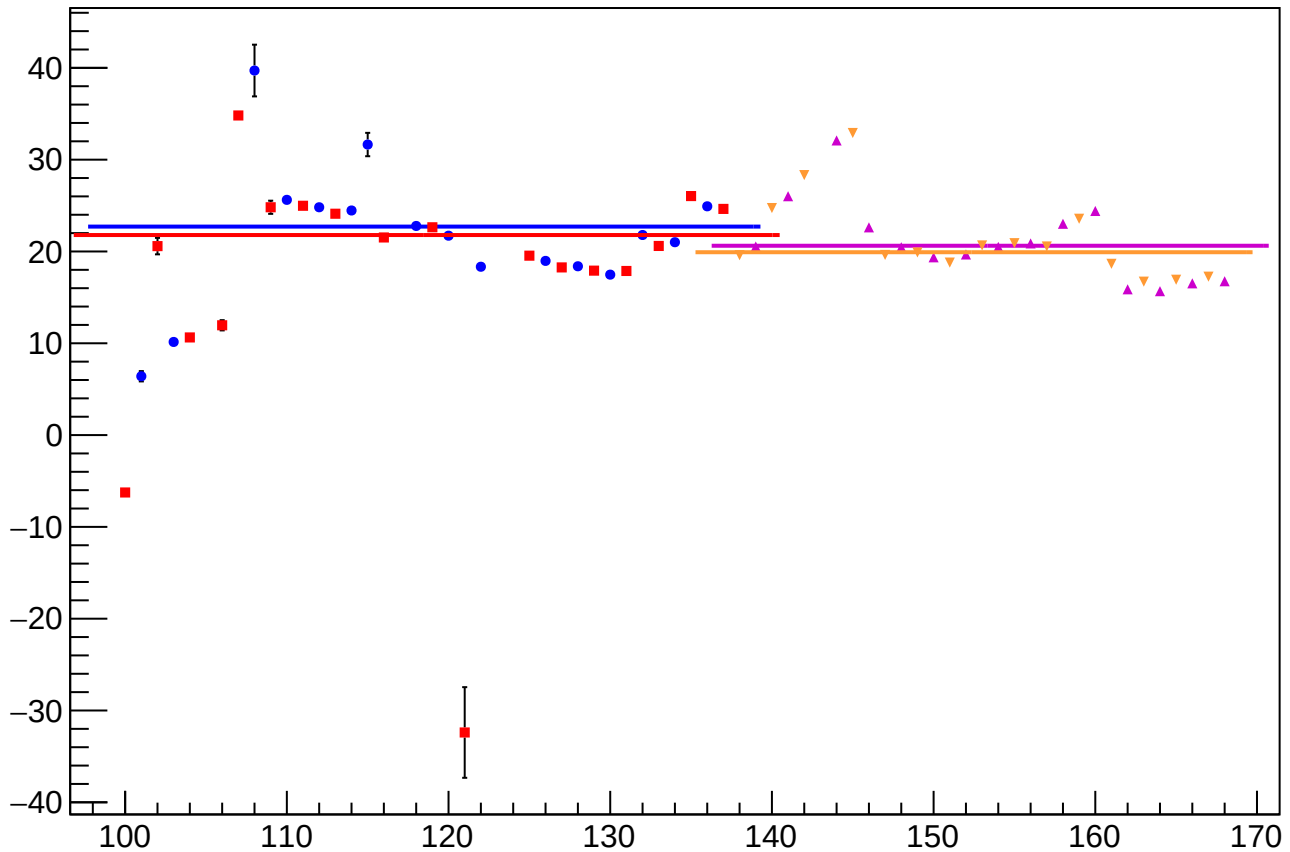
Right: 13.204 ± 0.000 χ^2/NDF : 1268800.5/33

In: -1.320 ± 0.006 χ^2/NDF : 163538.8/30

Out: 13.204 ± 0.000 χ^2/NDF : 3628861.9/32

All: 13.204 ± 0.000 χ^2/NDF : 9345225.9/63

dit_usl_4eY_slope vs Slug, Sign Corrected



Right In: 22.711 ± 0.019 $\chi^2/\text{NDF}: 22767.9/15$

Left Out: 19.918 ± 0.010 $\chi^2/\text{NDF}: 52861.6/14$

Right Out: 21.790 ± 0.022 $\chi^2/\text{NDF}: 26670.9/17$

Left In: 20.624 ± 0.008 $\chi^2/\text{NDF}: 100054.5/14$

Left: 20.332 ± 0.006 $\chi^2/\text{NDF}: 155899.7/29$

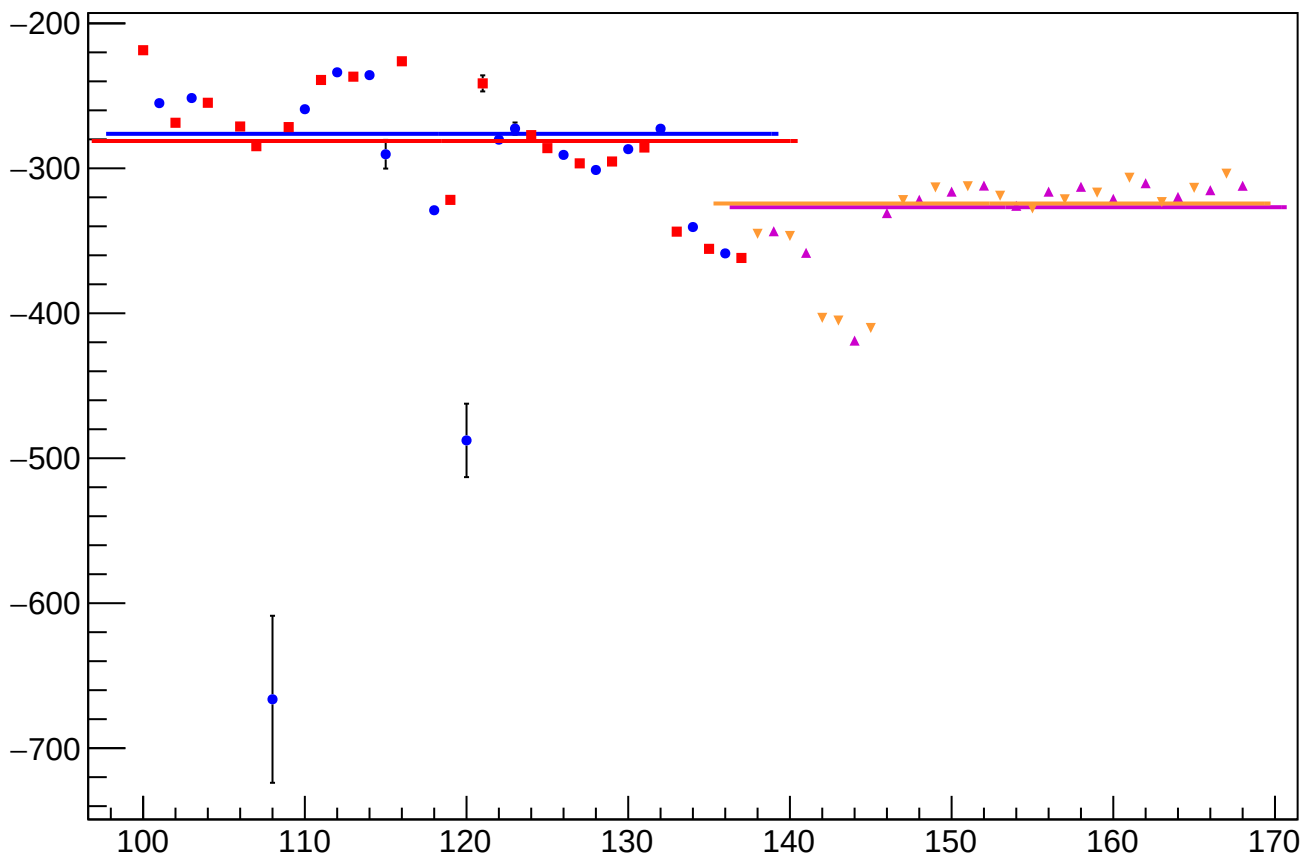
Right: 22.313 ± 0.014 $\chi^2/\text{NDF}: 50478.1/33$

In: 20.967 ± 0.008 $\chi^2/\text{NDF}: 133168.3/30$

Out: 20.245 ± 0.009 $\chi^2/\text{NDF}: 85779.6/32$

All: 20.666 ± 0.006 $\chi^2/\text{NDF}: 222711.9/63$

dit_usr_4aX_slope vs Slug, Sign Corrected



Right In: -276.201+/-0.167 χ^2/NDF : 58107.7/16

Left Out: -324.265+/-0.127 χ^2/NDF : 34782.2/15

Right Out: -281.150+/-0.148 χ^2/NDF : 77611.5/18

Left In: -326.816+/-0.114 χ^2/NDF : 39137.0/14

Left: -325.670+/-0.085 χ^2/NDF : 74142.0/30

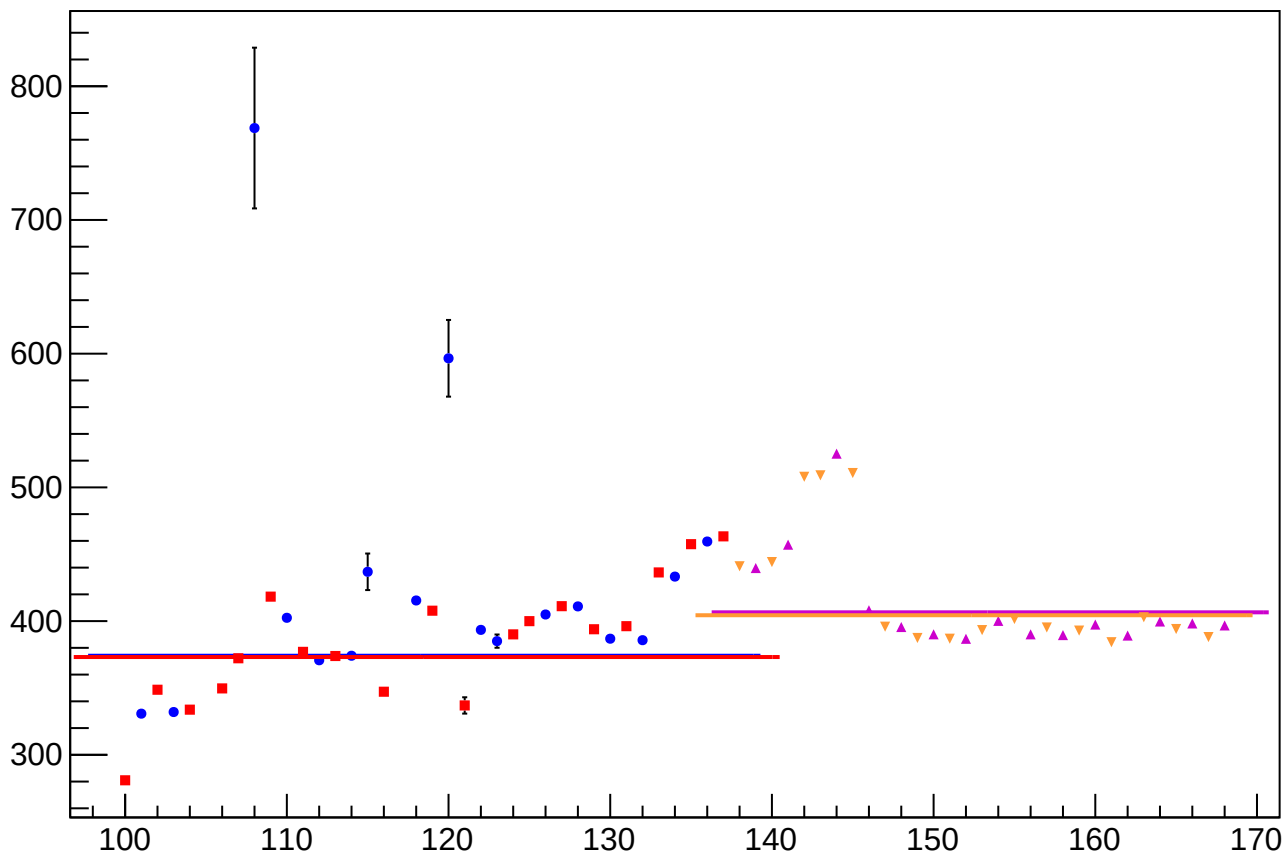
Right: -278.974+/-0.110 χ^2/NDF : 136213.7/35

In: -310.575+/-0.094 χ^2/NDF : 159954.3/31

Out: -305.942+/-0.096 χ^2/NDF : 161488.4/34

All: -308.303+/-0.067 χ^2/NDF : 322625.3/66

dit_usr_4eX_slope vs Slug, Sign Corrected



Right In: 374.094+/-0.000 χ^2/NDF : 35072.0/16

Left Out: 404.387+/-0.128 χ^2/NDF : 54957.2/15

Right Out: 373.134+/-0.158 χ^2/NDF : 108219.4/18

Left In: 406.565+/-0.115 χ^2/NDF : 63285.6/14

Left: 405.588+/-0.086 χ^2/NDF : 118402.3/30

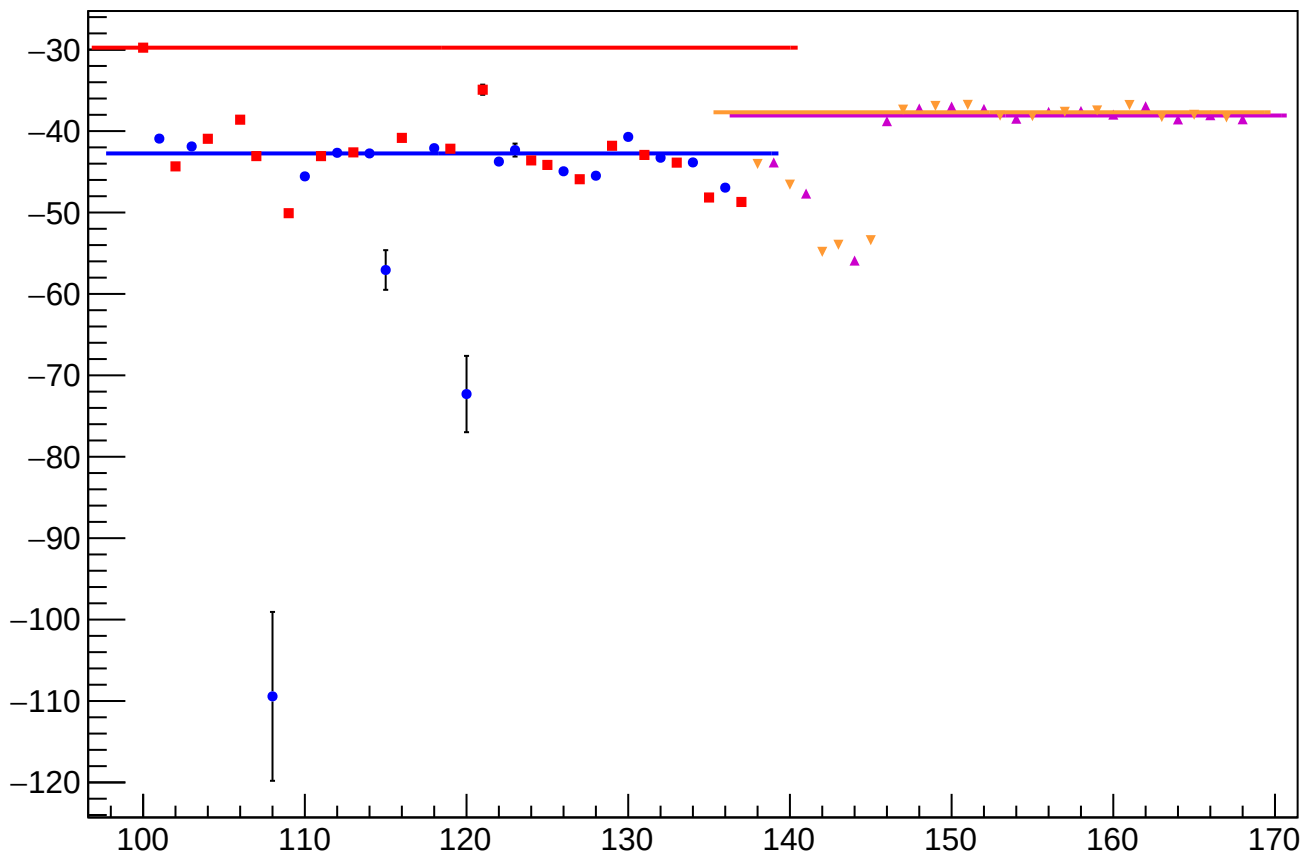
Right: 374.094+/-0.000 χ^2/NDF : 143328.3/35

In: 374.094+/-0.000 χ^2/NDF : 177424.9/31

Out: 391.988+/-0.099 χ^2/NDF : 186795.9/34

All: 374.094+/-0.000 χ^2/NDF : 396574.8/66

dit_usr_11X12X_slope vs Slug, Sign Corrected



Right In: -42.744+/-0.000 χ^2/NDF : 13262.6/16

Left Out: -37.689+/-0.005 χ^2/NDF : 257205.1/15

Right Out: -29.754+/-0.000 χ^2/NDF : 483930.3/18

Left In: -38.085+/-0.005 χ^2/NDF : 148961.7/14

Left: -37.877+/-0.003 χ^2/NDF : 409800.9/30

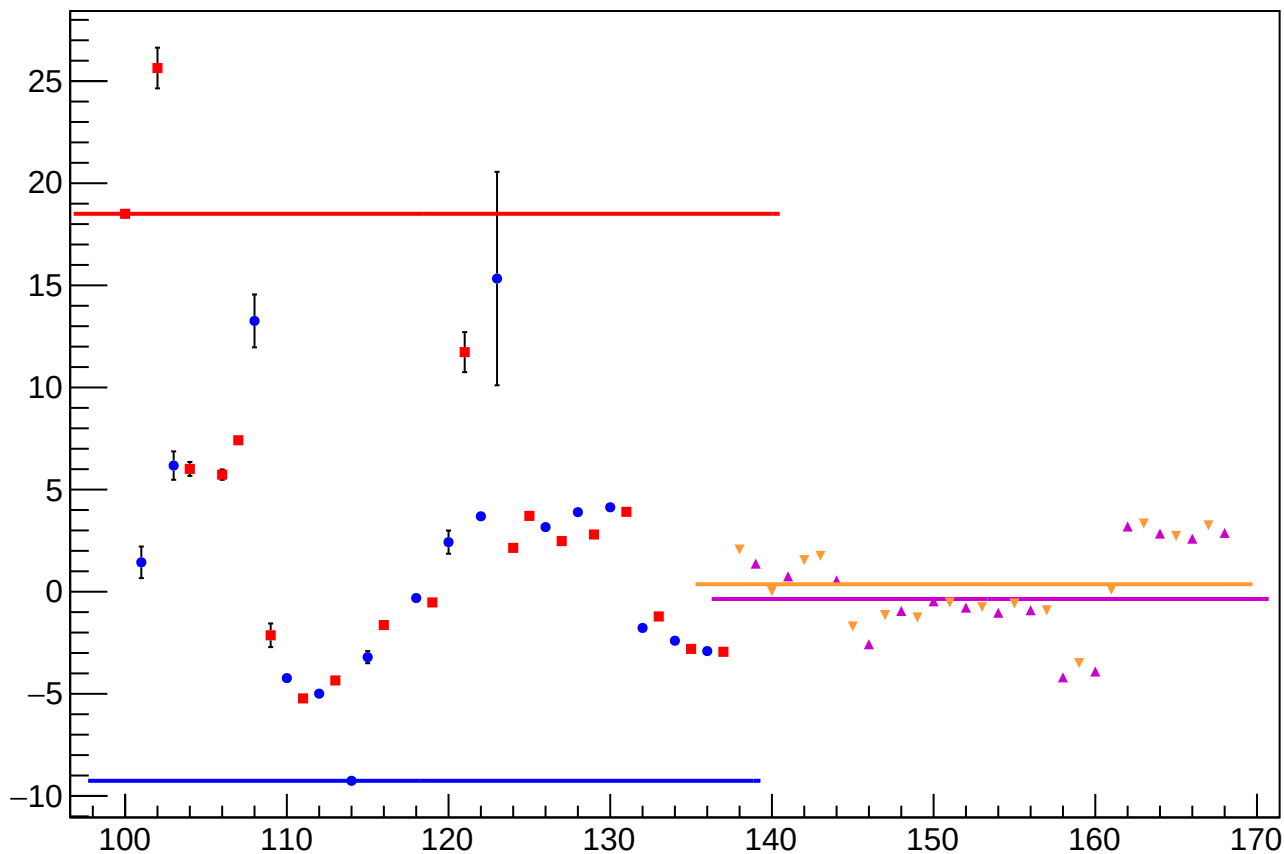
Right: -38.159+/-0.000 χ^2/NDF : 129765212680709

In: -42.744+/-0.000 χ^2/NDF : 1122673.3/31

Out: -29.754+/-0.000 χ^2/NDF : 3824820.5/34

All: -38.159+/-0.000 χ^2/NDF : 129765212680

dit_usr_4aY_slope vs Slug, Sign Corrected



Right In: -9.259 ± 0.000 χ^2/NDF : 405850.5/16

Left Out: 0.366 ± 0.007 χ^2/NDF : 111127.0/15

Right Out: 18.504 ± 0.000 χ^2/NDF : 7366781.0/18

Left In: -0.356 ± 0.007 χ^2/NDF : 105831.2/14

Left: 0.007 ± 0.005 χ^2/NDF : 222600.0/30

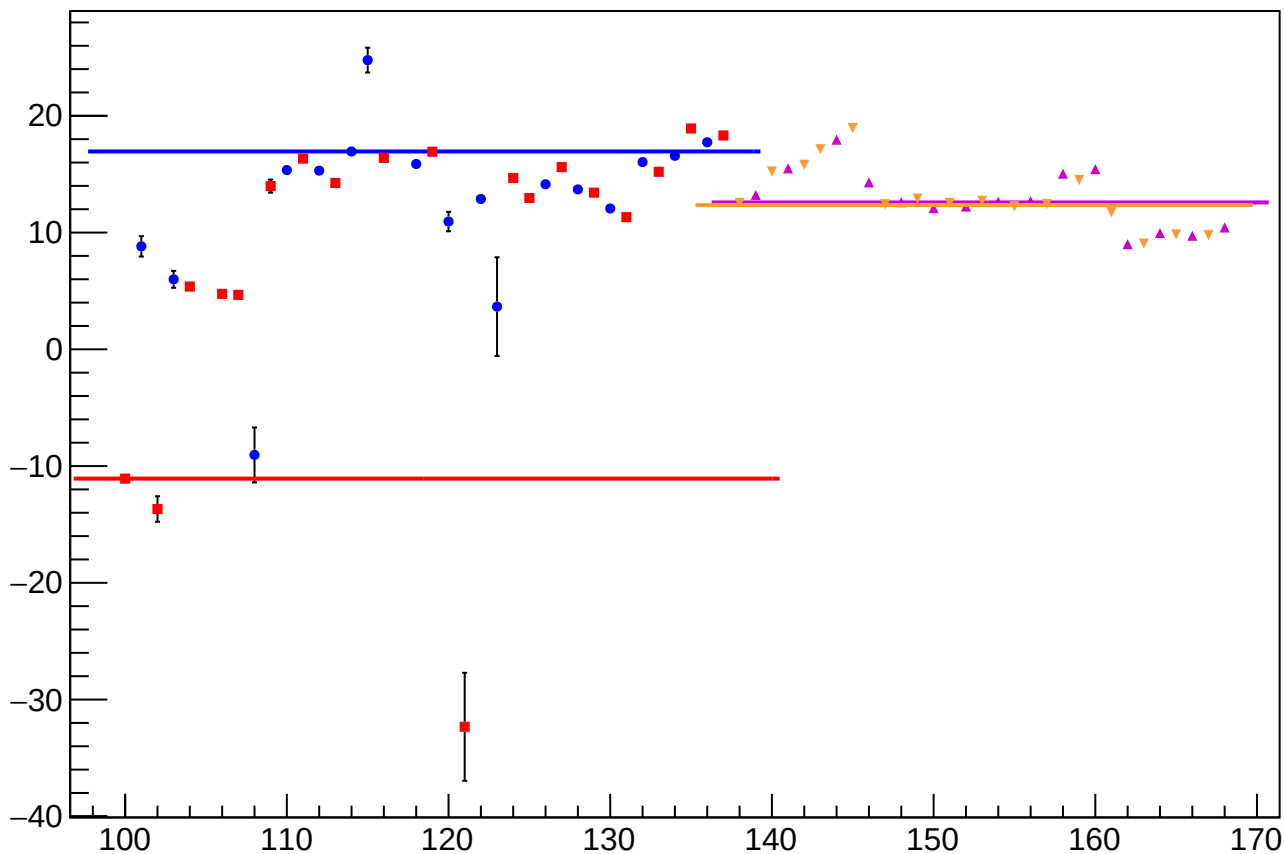
Right: 6.039 ± 0.000 χ^2/NDF : 16450574505955581

In: -9.259 ± 0.000 χ^2/NDF : 2219304.1/31

Out: 18.504 ± 0.000 χ^2/NDF : 14654204.3/34

All: 6.039 ± 0.000 χ^2/NDF : 16450574505955581

dit_usr_4eY_slope vs Slug, Sign Corrected



Right In: 16.947 ± 0.000 χ^2/NDF : 11231.8/16

Left Out: 12.355 ± 0.009 χ^2/NDF : 45318.9/15

Right Out: -11.075 ± 0.000 χ^2/NDF : 2712010.0/18

Left In: 12.583 ± 0.010 χ^2/NDF : 39681.8/14

Left: 12.458 ± 0.006 χ^2/NDF : 85306.5/30

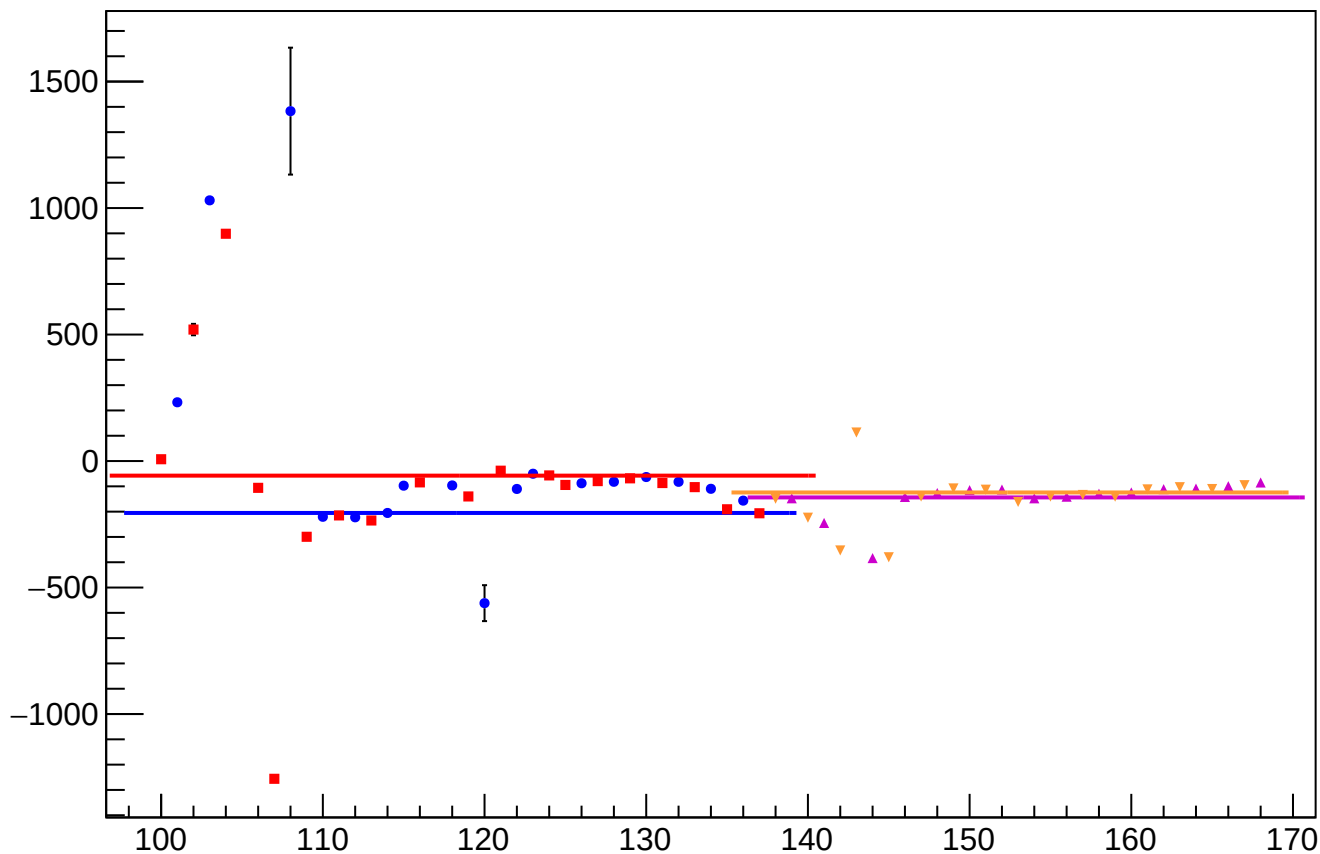
Right: -2.268 ± 0.000 χ^2/NDF : 4692527454635666

In: 16.947 ± 0.000 χ^2/NDF : 256641.3/31

Out: -11.075 ± 0.000 χ^2/NDF : 9948053.5/34

All: -2.268 ± 0.000 χ^2/NDF : 4692527454635

dit_atl1_4aX_slope vs Slug, Sign Corrected



Right In: -205.160+/-0.000 χ^2/NDF : 582775.6/16

Left Out: -124.152+/-0.232 χ^2/NDF : 48881.2/15

Right Out: -57.684+/-0.283 χ^2/NDF : 114854.9/18

Left In: -143.815+/-0.298 χ^2/NDF : 45718.2/14

Left: -131.587+/-0.183 χ^2/NDF : 97308.4/30

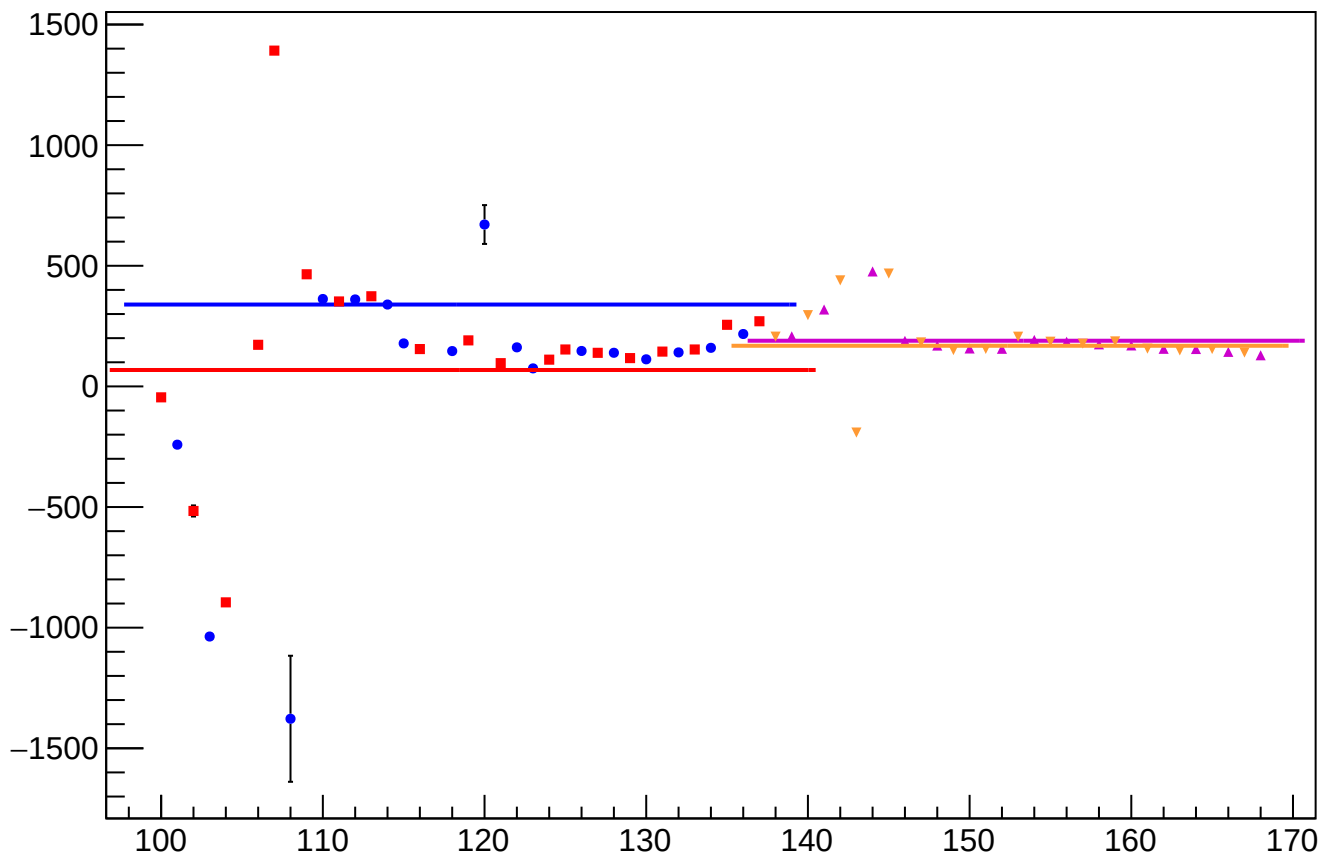
Right: -205.160+/-0.000 χ^2/NDF : 968522.3/35

In: -205.160+/-0.000 χ^2/NDF : 670893.8/31

Out: -97.433+/-0.180 χ^2/NDF : 196643.5/34

All: -205.160+/-0.000 χ^2/NDF : 1227113.5/66

dit_atl1_4eX_slope vs Slug, Sign Corrected



Right In: 339.325+/-0.000 χ^2/NDF : 1030606.3/16

Left Out: 168.440+/-0.237 χ^2/NDF : 83617.3/15

Right Out: 68.024+/-0.286 χ^2/NDF : 272330.9/18

Left In: 189.316+/-0.302 χ^2/NDF : 52169.6/14

Left: 176.378+/-0.186 χ^2/NDF : 138745.6/30

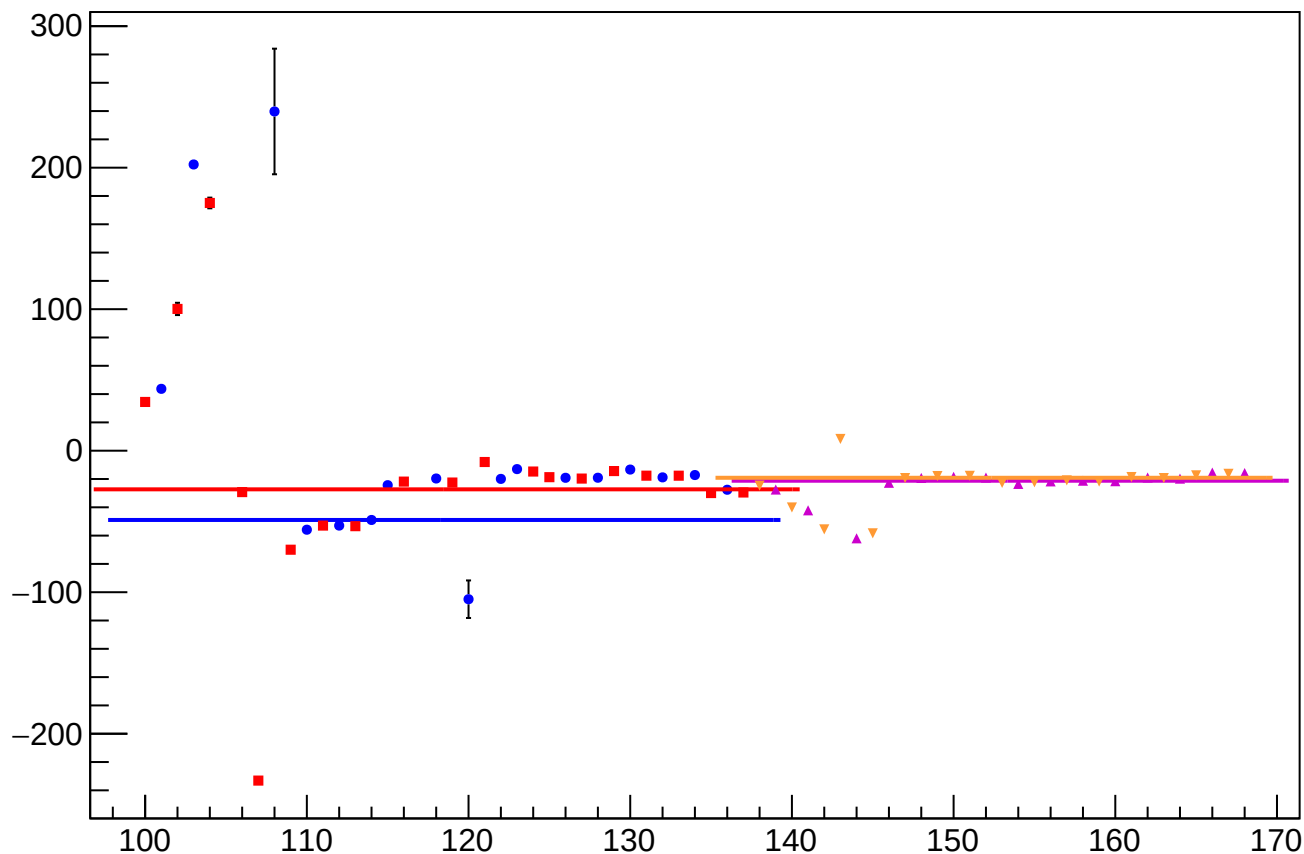
Right: 339.325+/-0.000 χ^2/NDF : 2202286.8/35

In: 339.325+/-0.000 χ^2/NDF : 1329288.4/31

Out: 127.642+/-0.182 χ^2/NDF : 429097.2/34

All: 339.325+/-0.000 χ^2/NDF : 3105989.1/66

dit_atl1_11X12X_slope vs Slug, Sign Corrected



Right In: -48.945 ± 0.000 $\chi^2/\text{NDF}: 5408370.4/16$

Left Out: -19.135 ± 0.013 $\chi^2/\text{NDF}: 567411.9/15$

Right Out: -27.303 ± 0.052 $\chi^2/\text{NDF}: 167879.9/18$

Left In: -21.216 ± 0.016 $\chi^2/\text{NDF}: 134226.7/14$

Left: -19.905 ± 0.010 $\chi^2/\text{NDF}: 711739.8/30$

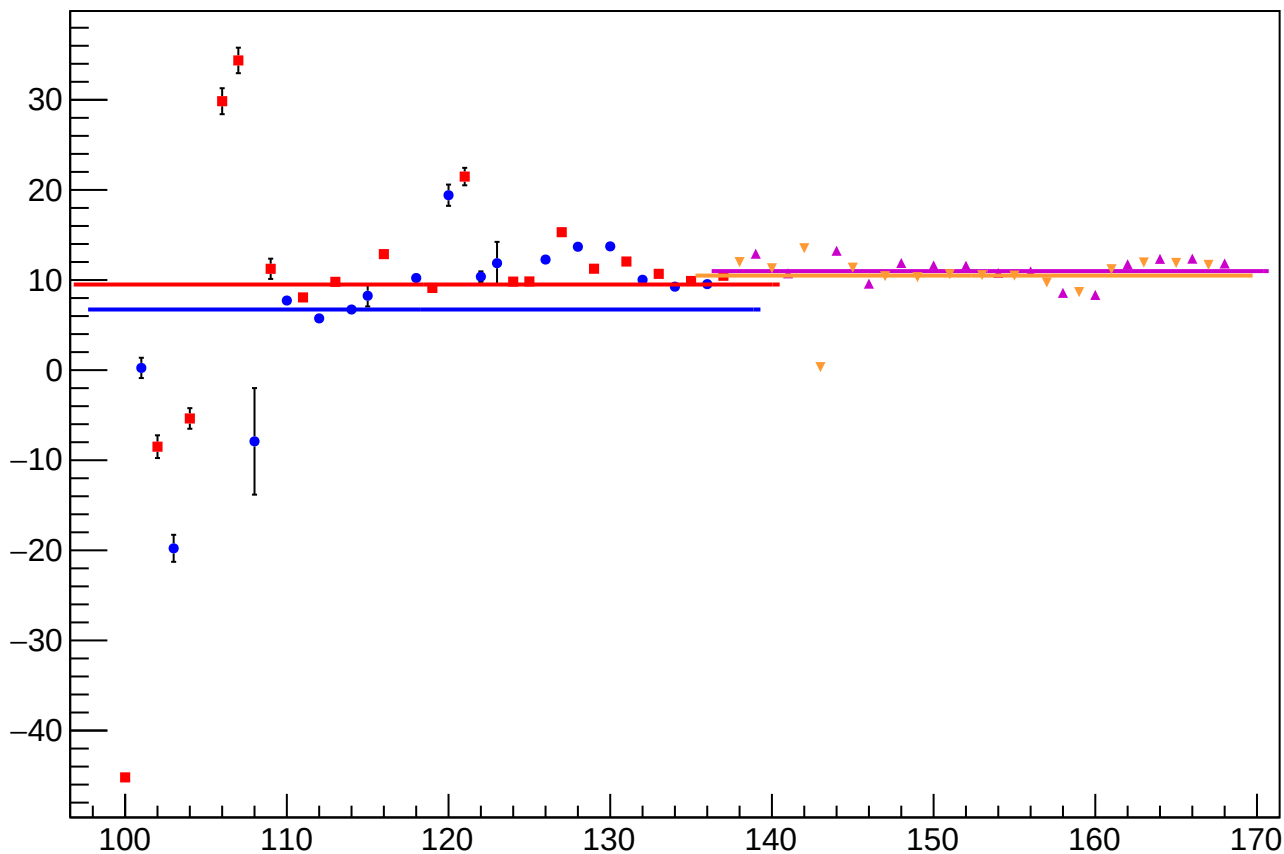
Right: -48.945 ± 0.000 $\chi^2/\text{NDF}: 5751523.0/35$

In: -48.945 ± 0.000 $\chi^2/\text{NDF}: 8387148.2/31$

Out: -19.593 ± 0.012 $\chi^2/\text{NDF}: 758859.8/34$

All: -48.945 ± 0.000 $\chi^2/\text{NDF}: 14893992.0/66$

dit_atl1_4aY_slope vs Slug, Sign Corrected



Right In: 6.728 $\pm$ 0.000 χ^2 /NDF: 13749.2/16

Left Out: 10.494 $\pm$ 0.016 χ^2 /NDF:24604.6/15

Right Out: 9.502 $\pm$ 0.036 χ^2 /NDF: 26822.1/18

Left In: 10.991 $\pm$ 0.013 χ^2 /NDF:9633.0/14

Left: 10.784 $\pm$ 0.010 χ^2 /NDF: 34801.9/30

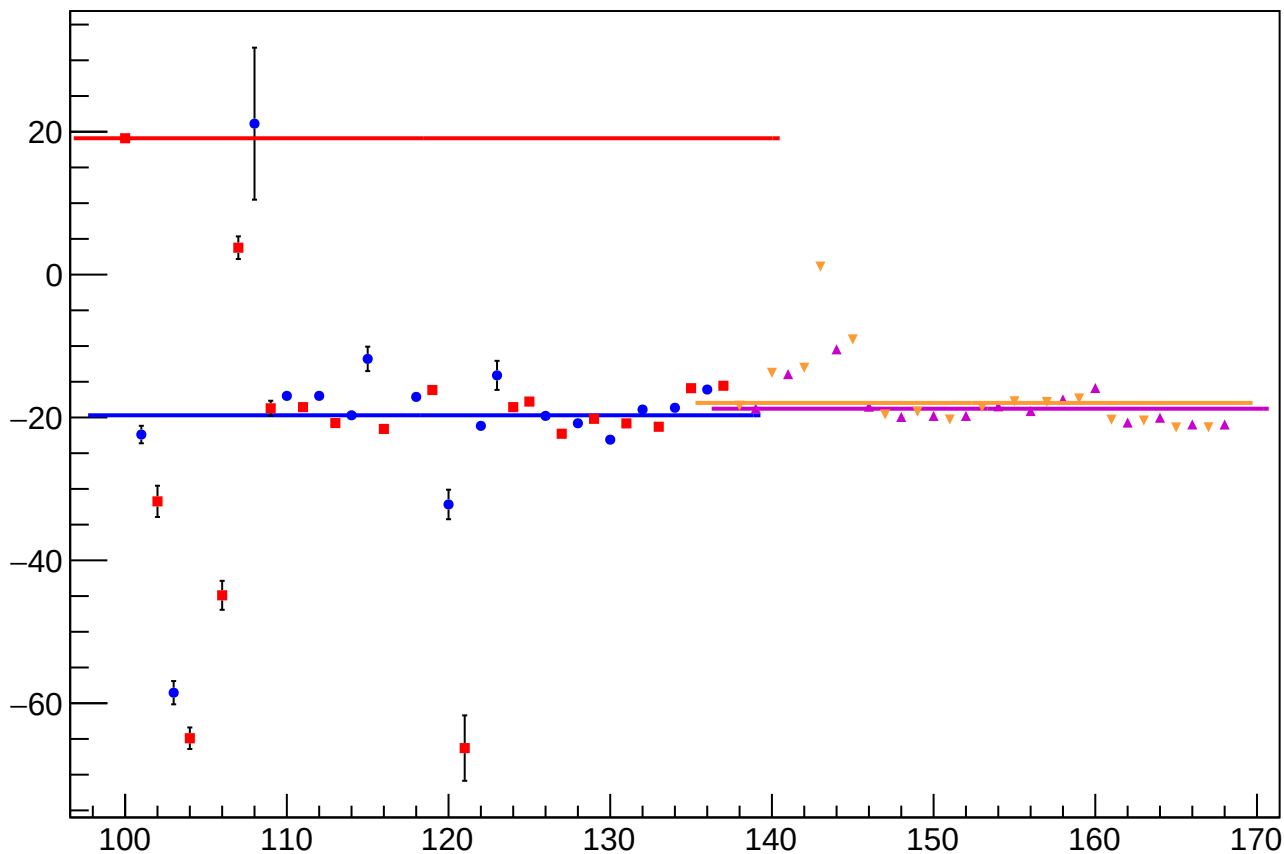
Right: 6.728 $\pm$ 0.000 χ^2 /NDF: 46635.2/35

In: 6.728 $\pm$ 0.000 χ^2 /NDF:123288.3/31

Out: 10.327 $\pm$ 0.015 χ^2 /NDF:52071.8/34

All: 6.728 $\pm$ 0.000 χ^2 /NDF: 236199.0/66

dit_atl1_4eY_slope vs Slug, Sign Corrected



Right In: -19.693 ± 0.000 $\chi^2/\text{NDF}: 7579.0/16$

Left Out: -17.963 ± 0.020 $\chi^2/\text{NDF}: 42948.1/15$

Right Out: 19.086 ± 0.000 $\chi^2/\text{NDF}: 610746.9/18$

Left In: -18.773 ± 0.019 $\chi^2/\text{NDF}: 9880.9/14$

Left: -18.385 ± 0.014 $\chi^2/\text{NDF}: 53727.4/30$

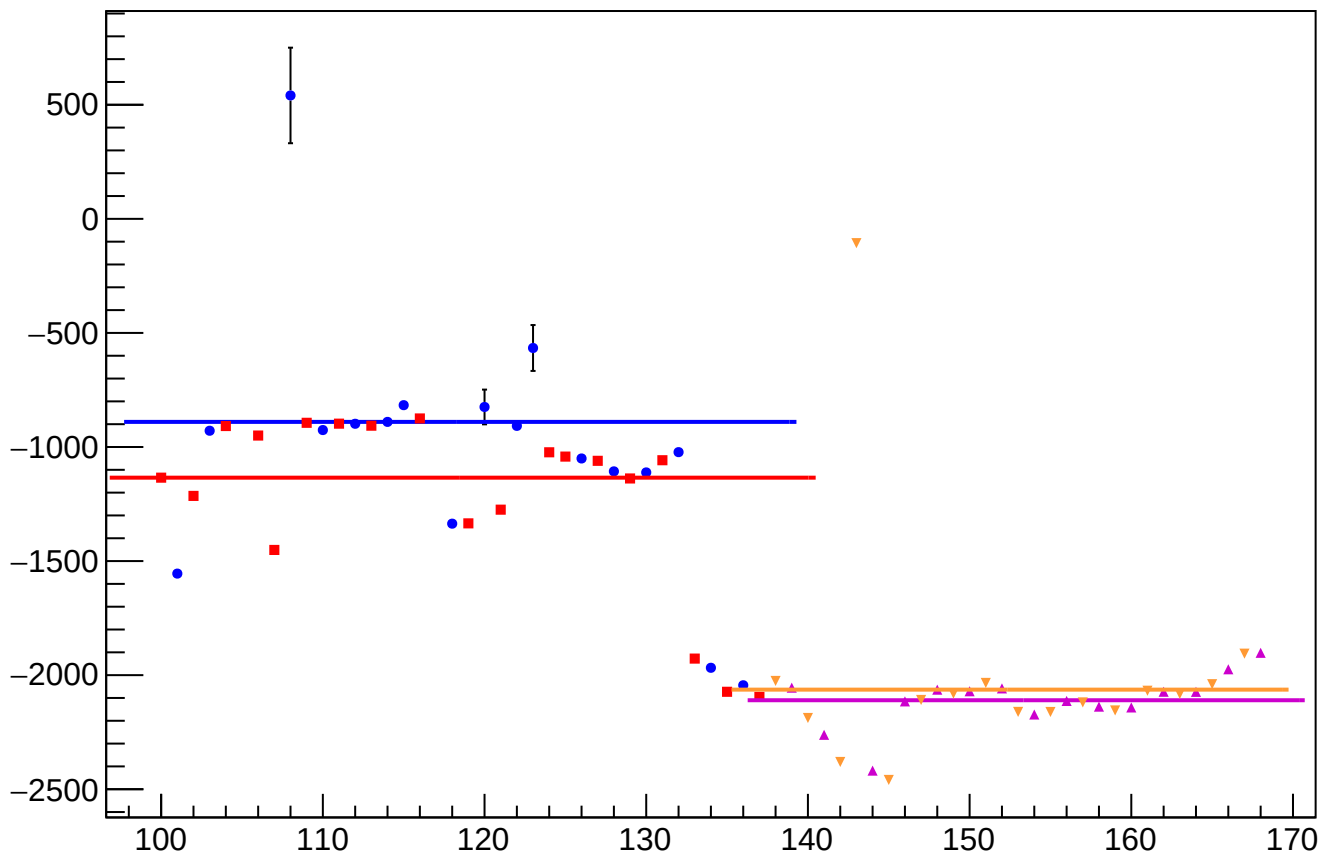
Right: -6.006 ± 0.000 $\chi^2/\text{NDF}: 4625637731292657$

In: -19.693 ± 0.000 $\chi^2/\text{NDF}: 19880.1/31$

Out: 19.086 ± 0.000 $\chi^2/\text{NDF}: 4261254.8/34$

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: 775896.0/16

Left Out: -2063.504+/-0.439 χ^2 /NDF:291797.7/15

Right Out: -1134.421+/-0.000 χ^2 /NDF: 733812.0/18

Left In: -2109.986+/-0.461 χ^2 /NDF:52911.9/14

Left: -2085.624+/-0.318 χ^2 /NDF: 350040.4/30

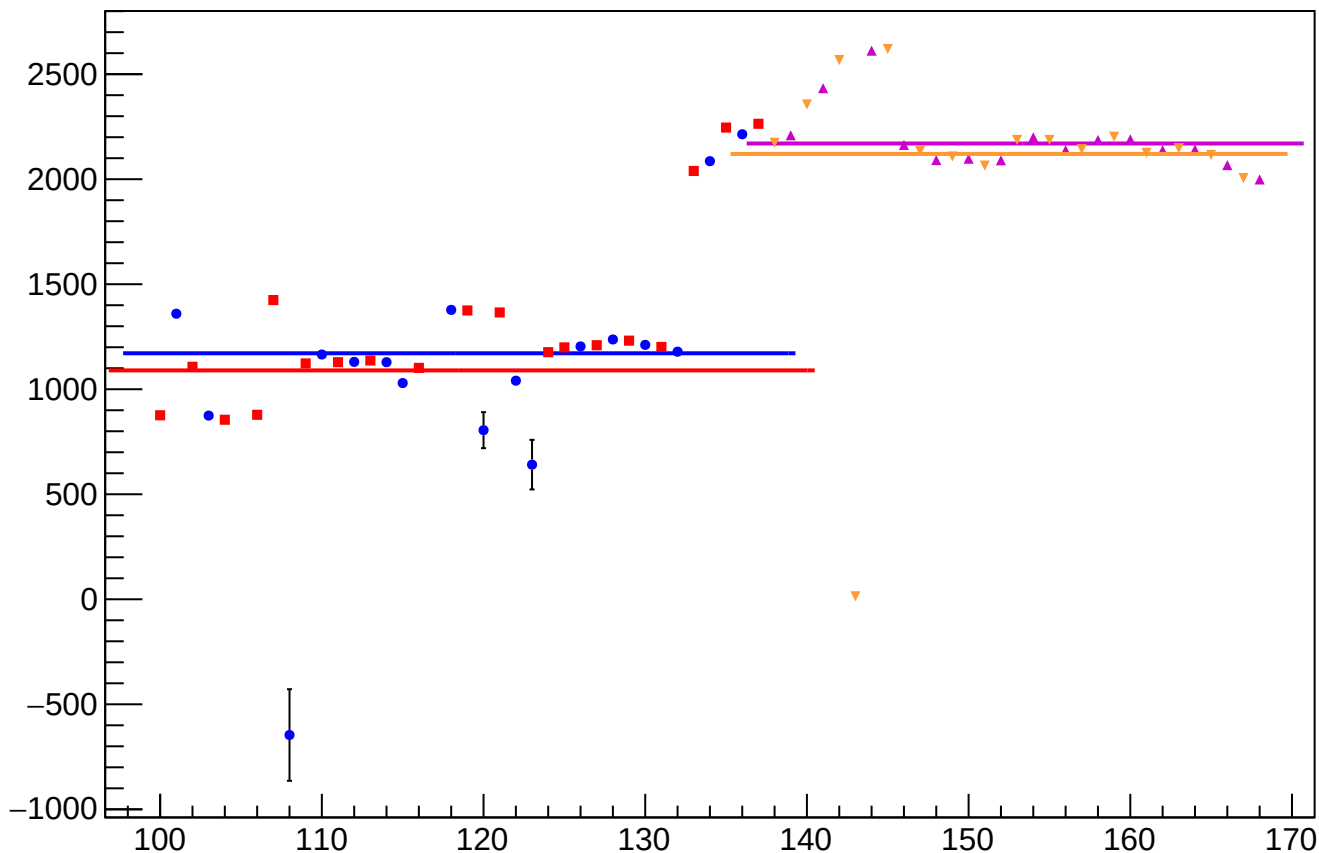
Right: -976.220+/-0.000 χ^2 /NDF: 44889787387498

In: -889.928+/-0.000 χ^2 /NDF:7836475.1/31

Out: -1134.421+/-0.000 χ^2 /NDF:5501215.6/34

All: -976.220+/-0.000 χ^2 /NDF: 44889787387

dit_atl2_4eX_slope vs Slug, Sign Corrected



Right In: 1171.188 ± 0.245 $\chi^2/\text{NDF}: 508989.2/16$

Left Out: 2120.373 ± 0.439 $\chi^2/\text{NDF}: 316149.4/15$

Right Out: 1089.705 ± 0.253 $\chi^2/\text{NDF}: 1100321.6/18$

Left In: 2170.044 ± 0.463 $\chi^2/\text{NDF}: 69330.2/14$

Left: 2143.886 ± 0.318 $\chi^2/\text{NDF}: 391553.2/30$

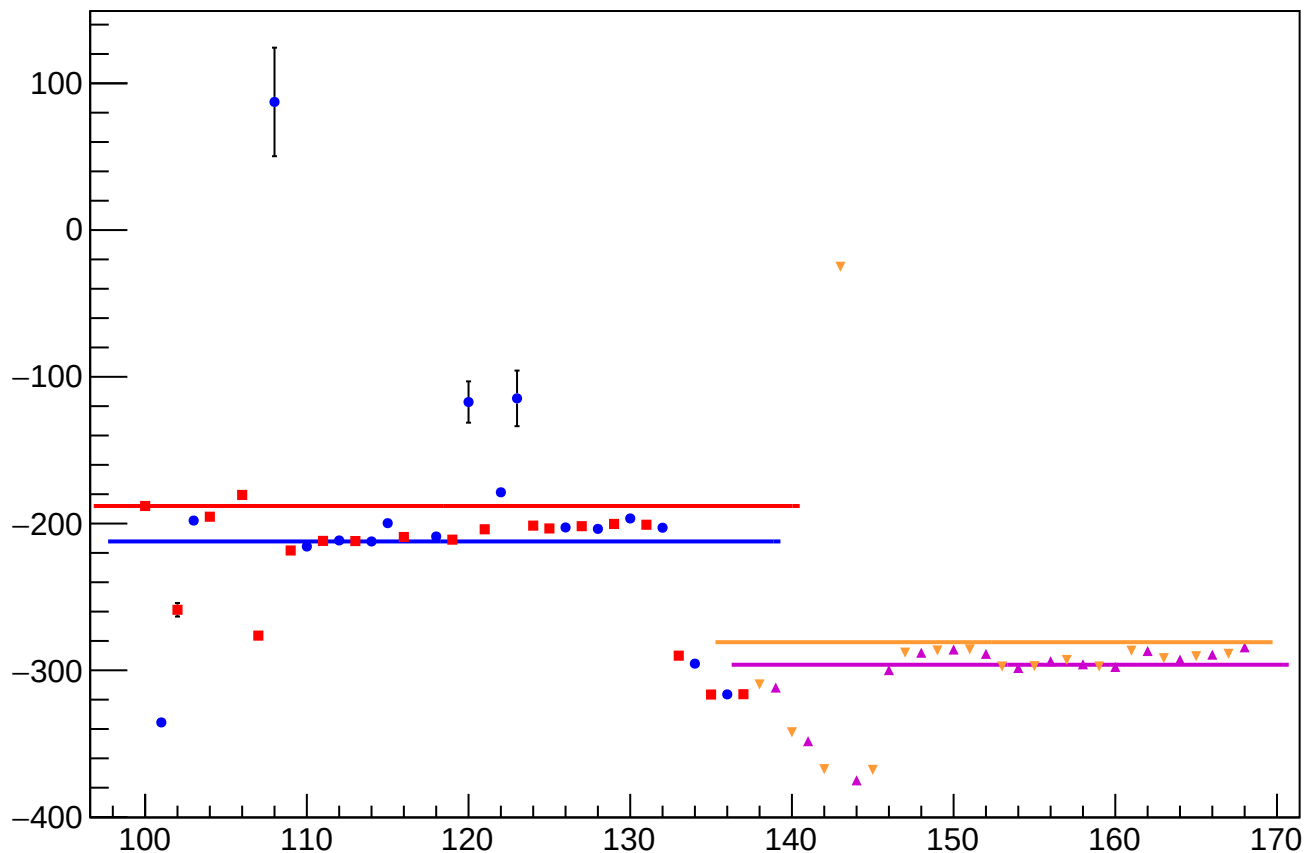
Right: 1131.764 ± 0.176 $\chi^2/\text{NDF}: 1662665.0/35$

In: 1390.573 ± 0.217 $\chi^2/\text{NDF}: 4217941.9/31$

Out: 1347.786 ± 0.219 $\chi^2/\text{NDF}: 5557494.3/34$

All: 1369.442 ± 0.154 $\chi^2/\text{NDF}: 9794680.6/60$

dit_atl2_11X12X_slope vs Slug, Sign Corrected



Right In: -212.190 ± 0.000 $\chi^2/\text{NDF}: 1149195.1/16$

Left Out: -280.839 ± 0.026 $\chi^2/\text{NDF}: 5765158.9/15$

Right Out: -188.033 ± 0.000 $\chi^2/\text{NDF}: 602264.3/18$

Left In: -296.224 ± 0.025 $\chi^2/\text{NDF}: 301124.4/14$

Left: -288.600 ± 0.018 $\chi^2/\text{NDF}: 6247163.1/30$

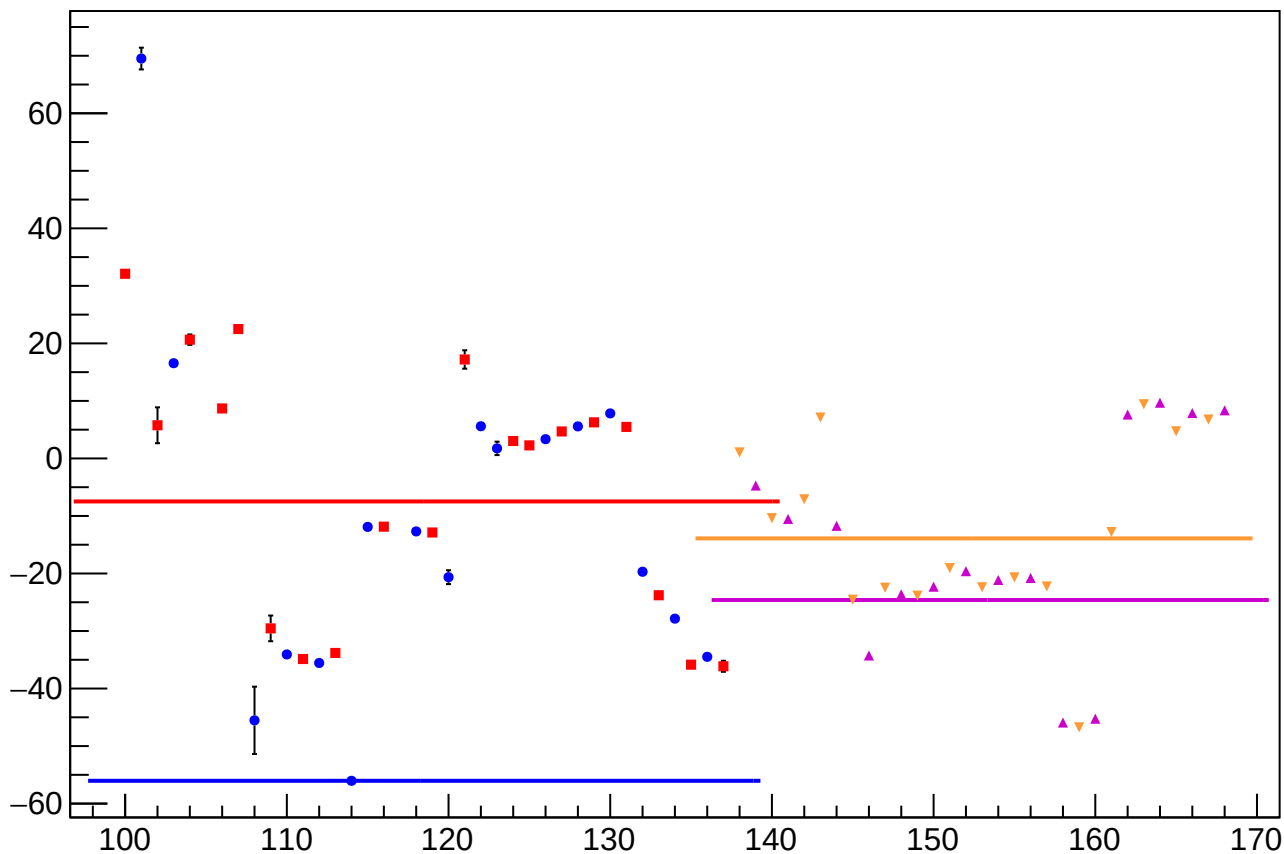
Right: -195.625 ± 0.000 $\chi^2/\text{NDF}: 13622303625661$

In: -212.190 ± 0.000 $\chi^2/\text{NDF}: 12341024.4/31$

Out: -188.033 ± 0.000 $\chi^2/\text{NDF}: 19413190.7/34$

All: -195.625 ± 0.000 $\chi^2/\text{NDF}: 13622303625$

dit_atl2_4aY_slope vs Slug, Sign Corrected



Right In: -56.037 ± 0.000 $\chi^2/\text{NDF}: 1585420.7/16$

Left Out: -13.897 ± 0.022 $\chi^2/\text{NDF}: 759951.9/15$

Right Out: -7.476 ± 0.042 $\chi^2/\text{NDF}: 173893.8/18$

Left In: -24.610 ± 0.023 $\chi^2/\text{NDF}: 625954.0/14$

Left: -19.039 ± 0.016 $\chi^2/\text{NDF}: 1494870.5/30$

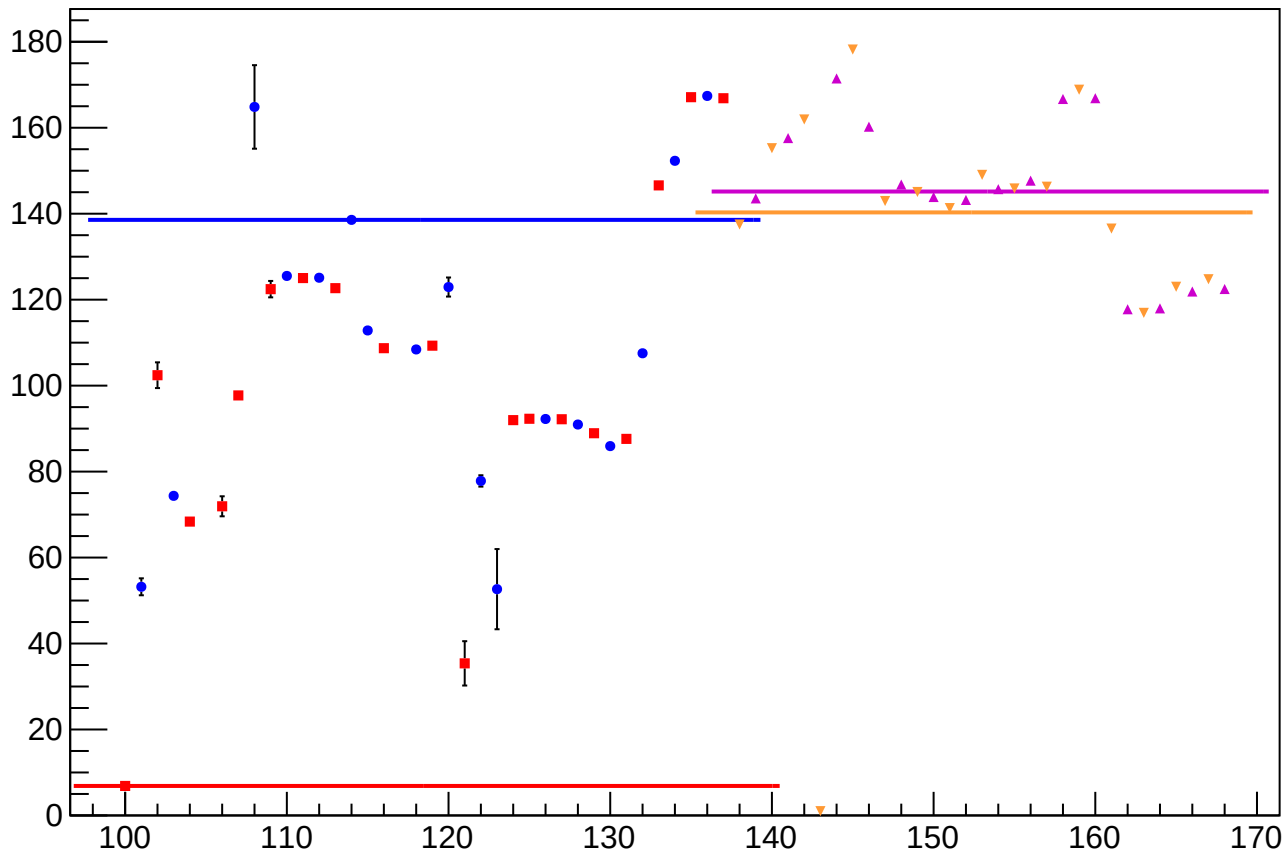
Right: -56.037 ± 0.000 $\chi^2/\text{NDF}: 3084882.3/35$

In: -56.037 ± 0.000 $\chi^2/\text{NDF}: 4014769.6/31$

Out: -12.476 ± 0.020 $\chi^2/\text{NDF}: 951893.3/34$

All: -56.037 ± 0.000 $\chi^2/\text{NDF}: 9787314.6/66$

dit_atl2_4eY_slope vs Slug, Sign Corrected



Right In: 138.565 $\pm$ 0.000 χ^2 /NDF: 901159.7/16

Left Out: 140.300 $\pm$ 0.031 χ^2 /NDF: 497636.3/15

Right Out: 6.866 $\pm$ 0.000 χ^2 /NDF: 8047391.7/18

Left In: 145.159 $\pm$ 0.032 χ^2 /NDF: 226993.1/14

Left: 142.663 $\pm$ 0.022 χ^2 /NDF: 736756.6/30

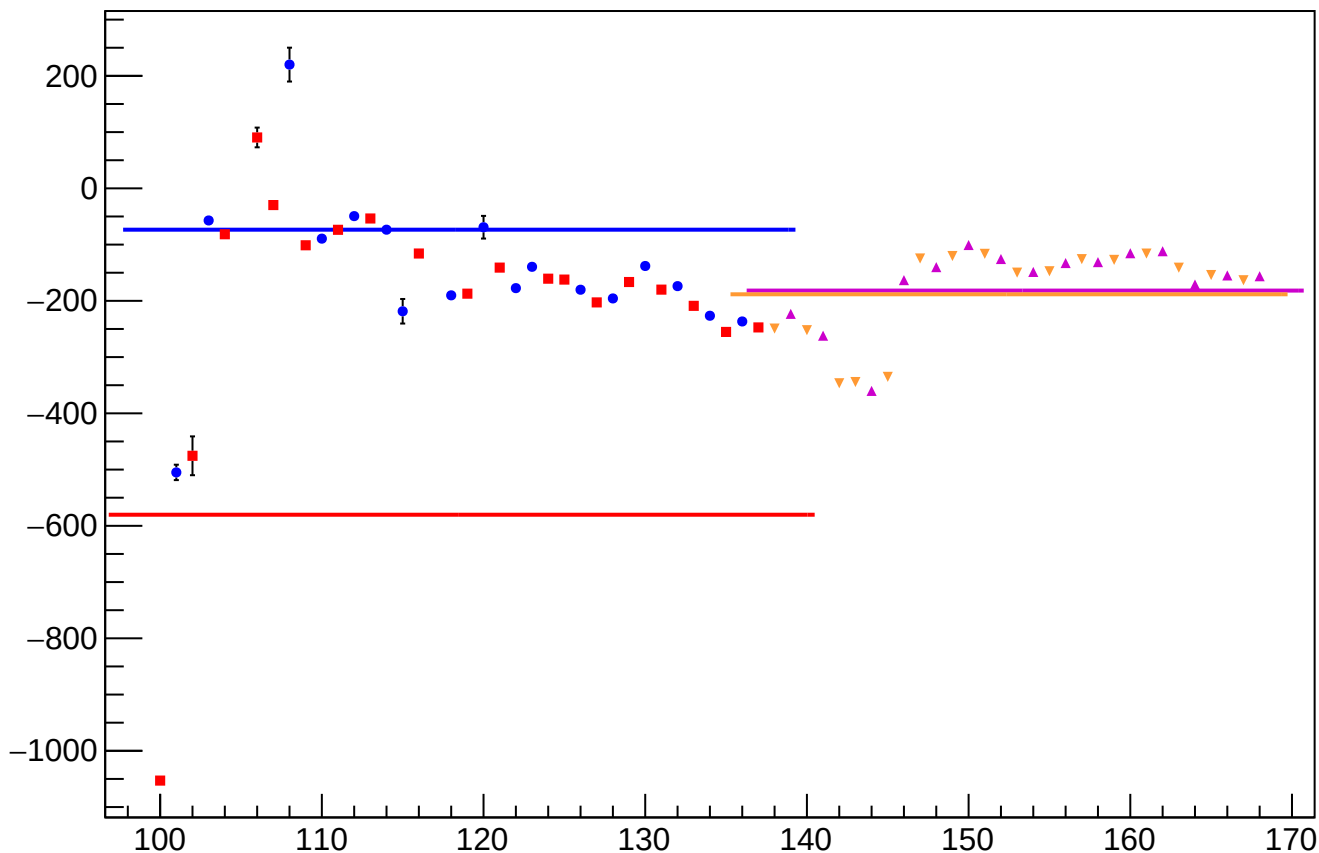
Right: 7.101 $\pm$ 0.000 χ^2 /NDF: 23576822681928678

In: 138.565 $\pm$ 0.000 χ^2 /NDF: 1171631.0/31

Out: 6.866 $\pm$ 0.000 χ^2 /NDF: 27354088.7/34

All: 7.101 $\pm$ 0.000 χ^2 /NDF: 23576822681928678

dit_atr1_4aX_slope vs Slug, Sign Corrected



Right In: -73.485+/-0.000 χ^2/NDF : 98703.2/16

Left Out: -188.344+/-0.296 χ^2/NDF : 66187.7/15

Right Out: -580.262+/-0.261 χ^2/NDF : 3031609.5/18

Left In: -181.748+/-0.319 χ^2/NDF : 61195.1/14

Left: -185.300+/-0.217 χ^2/NDF : 127612.5/30

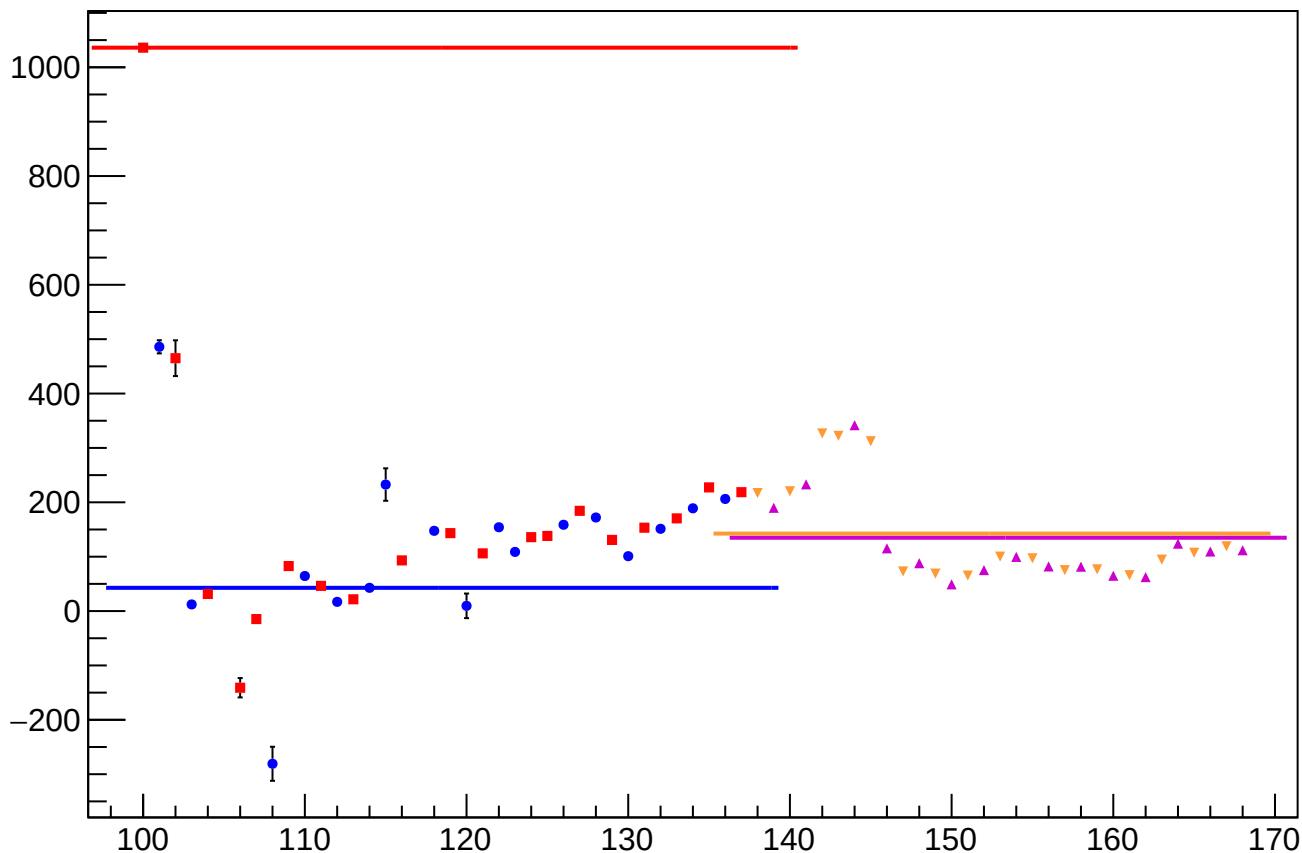
Right: -73.485+/-0.000 χ^2/NDF : 6902096.9/35

In: -73.485+/-0.000 χ^2/NDF : 274791.3/31

Out: -408.650+/-0.196 χ^2/NDF : 4085567.3/34

All: -73.485+/-0.000 χ^2/NDF : 7295298.2/66

dit_atr1_4eX_slope vs Slug, Sign Corrected



Right In: 42.743+/-0.000 χ^2/NDF : 84599.8/16

Left Out: 142.453+/-0.300 χ^2/NDF :80692.0/15

Right Out: 1036.068+/-0.000 χ^2/NDF : 4933722.5/18

Left In: 134.834+/-0.326 χ^2/NDF :70593.7/14

Left: 138.961+/-0.221 χ^2/NDF : 151581.1/30

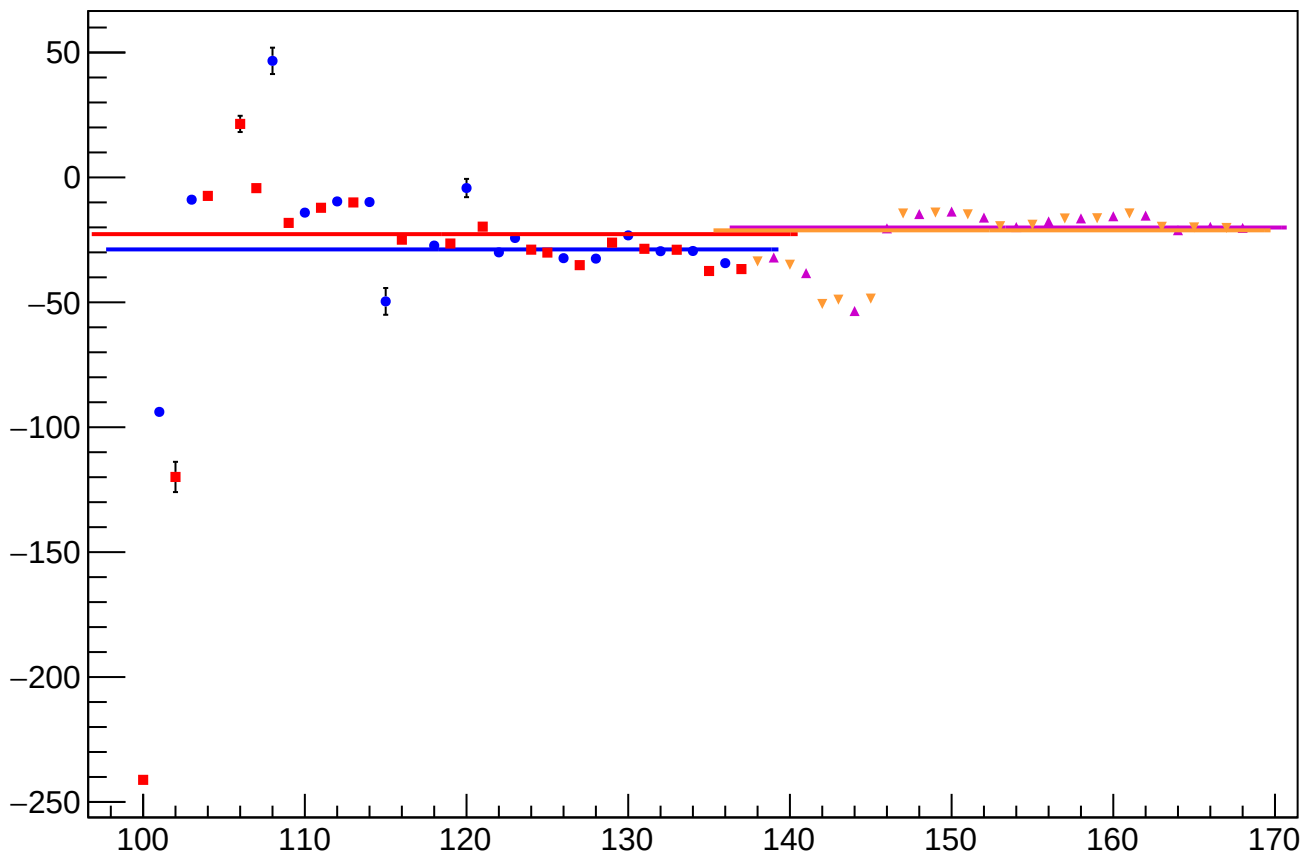
Right: 43.272+/-0.000 χ^2/NDF : 1144517497266833

In: 42.743+/-0.000 χ^2/NDF :234869.1/31

Out: 1036.068+/-0.000 χ^2/NDF :13882180.1/34

All: 43.272+/-0.000 χ^2/NDF : 1144517497266

dit_atr1_11X12X_slope vs Slug, Sign Corrected



Right In: -28.822 ± 0.035 χ^2/NDF : 49503.4/16

Left Out: -21.187 ± 0.015 χ^2/NDF : 344791.8/15

Right Out: -22.707 ± 0.038 χ^2/NDF : 410174.9/18

Left In: -20.054 ± 0.017 χ^2/NDF : 200368.7/14

Left: -20.695 ± 0.011 χ^2/NDF : 547607.5/30

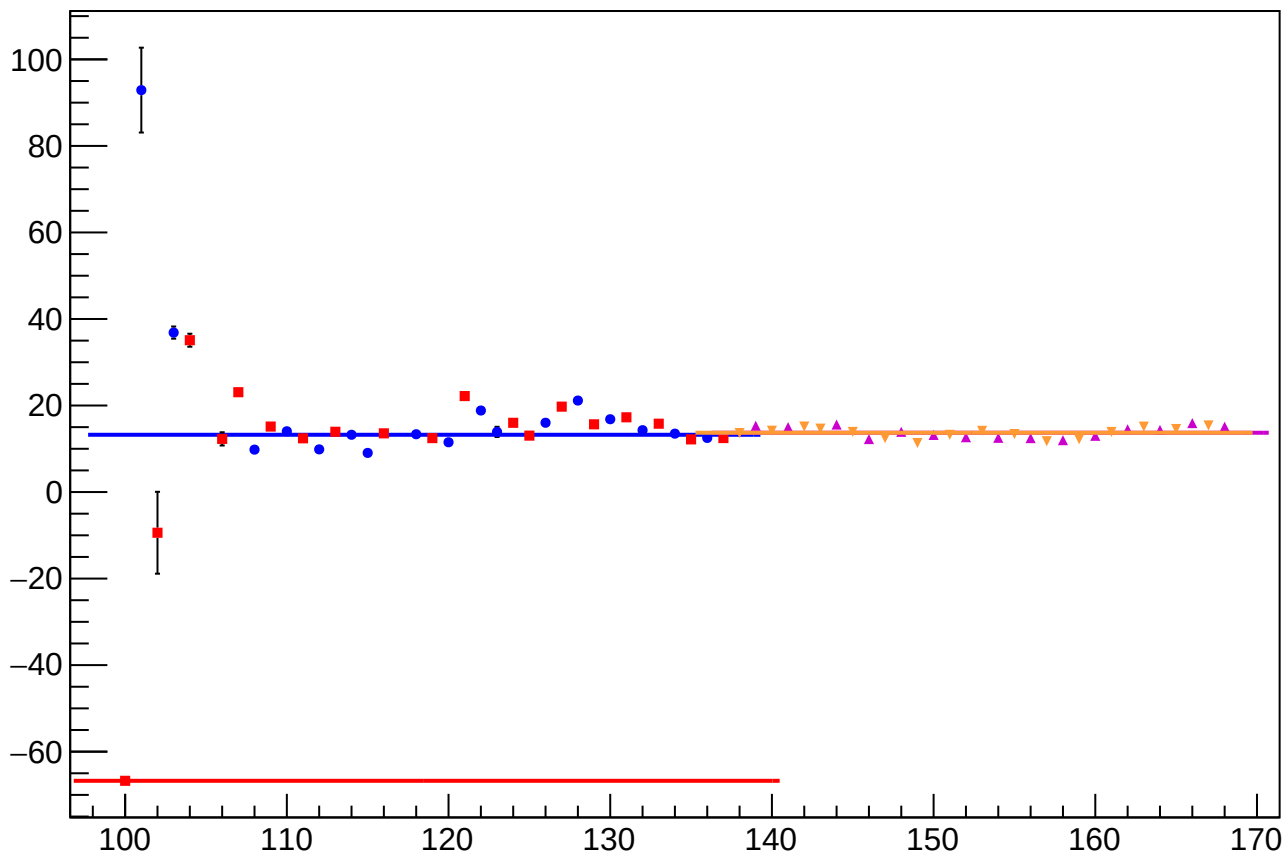
Right: -26.045 ± 0.026 χ^2/NDF : 473753.1/35

In: -21.785 ± 0.015 χ^2/NDF : 301004.2/31

Out: -21.393 ± 0.014 χ^2/NDF : 756344.2/34

All: -21.570 ± 0.010 χ^2/NDF : 1057701.9/66

dit_atr1_4aY_slope vs Slug, Sign Corrected



Right In: 13.238+/-0.000 χ^2/NDF : 5756.1/16

Left Out: 13.710+/-0.014 χ^2/NDF : 6563.8/15

Right Out: -66.739+/-0.000 χ^2/NDF : 3023648.4/18

Left In: 13.705+/-0.015 χ^2/NDF : 6536.7/14

Left: 13.707+/-0.010 χ^2/NDF : 13100.6/30

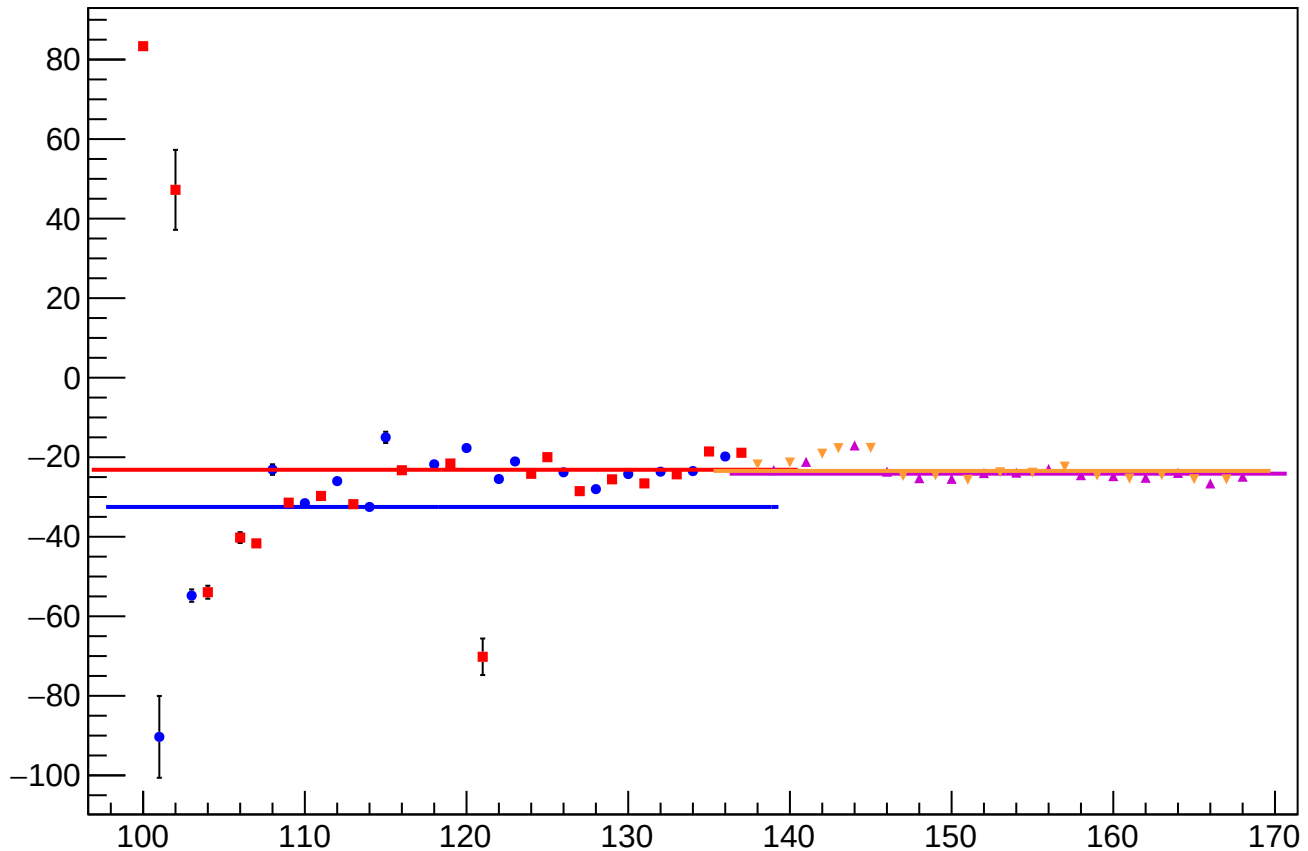
Right: 12.562+/-0.000 χ^2/NDF : 1884310027651005

In: 13.238+/-0.000 χ^2/NDF : 13250.8/31

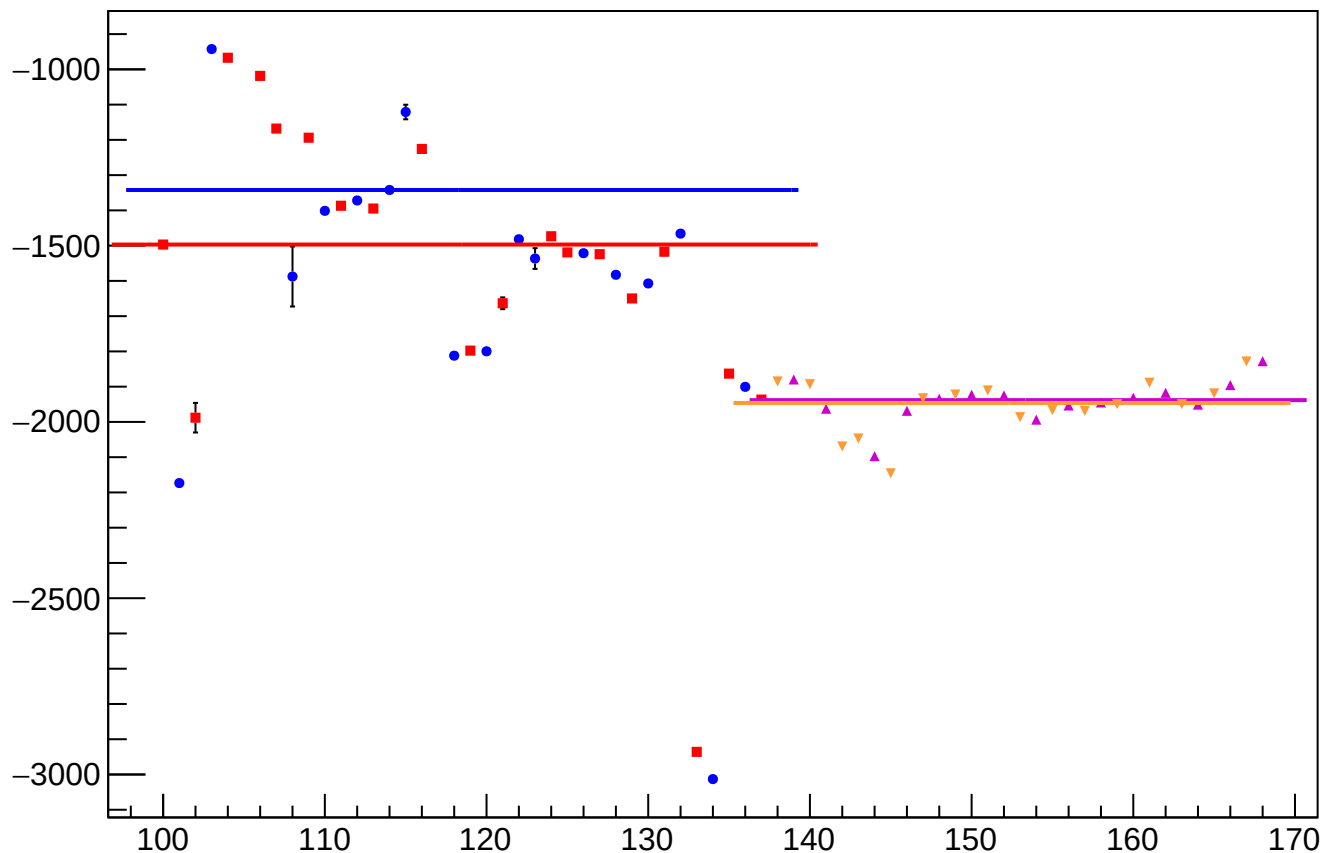
Out: -66.739+/-0.000 χ^2/NDF : 34751138.1/34

All: 12.562+/-0.000 χ^2/NDF : 1884310027651

dit_atr1_4eY_slope vs Slug, Sign Corrected



dit_atr2_4aX_slope vs Slug, Sign Corrected



Right In: -1342.107+/-0.000 χ^2/NDF : 370901.4/16

Left Out: -1946.236+/-0.404 χ^2/NDF :21013.4/15

Right Out: -1496.932+/-0.000 χ^2/NDF : 504712.5/18

Left In: -1938.181+/-0.335 χ^2/NDF :20759.6/14

Left: -1941.464+/-0.258 χ^2/NDF : 42008.3/30

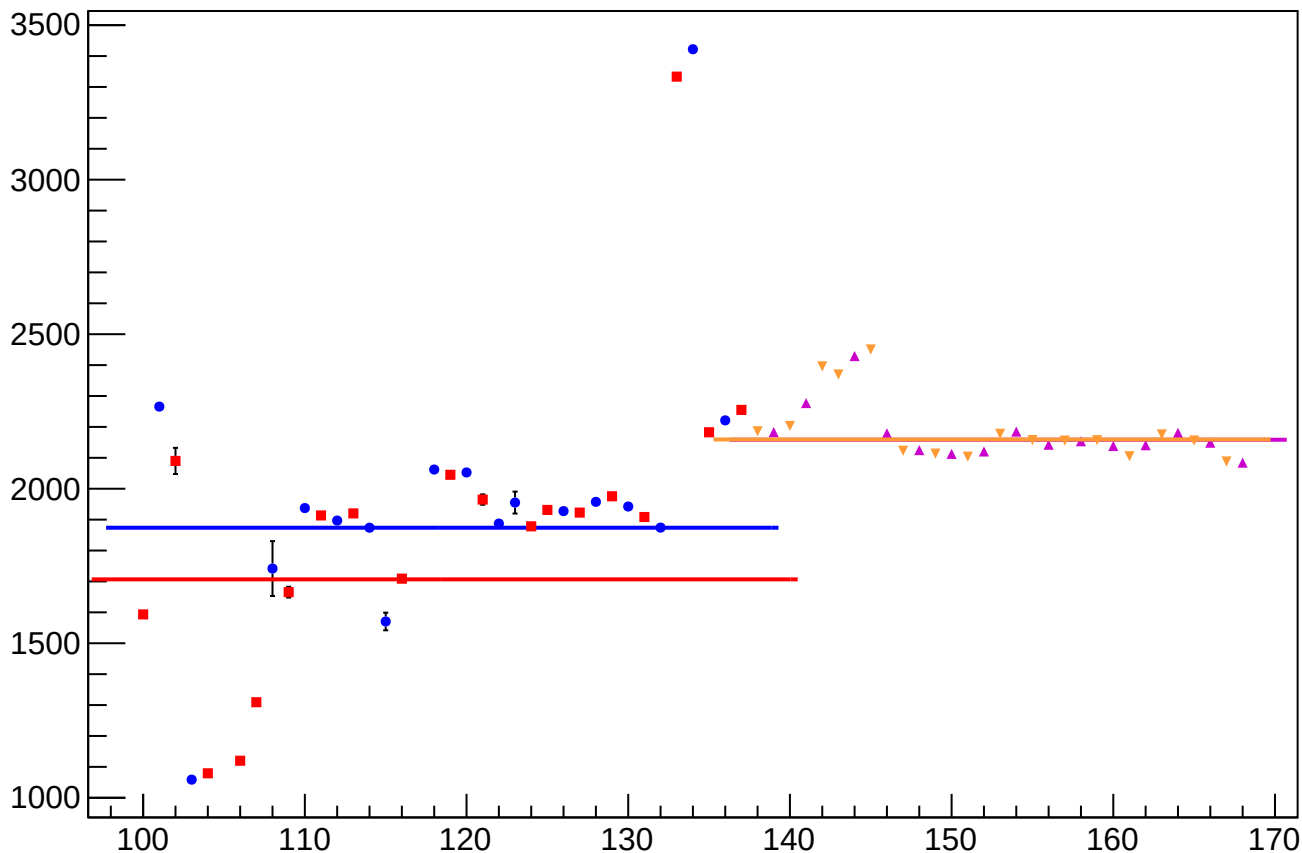
Right: -1396.751+/-0.000 χ^2/NDF : 1800086126763

In: -1342.107+/-0.000 χ^2/NDF :3552487.4/31

Out: -1496.932+/-0.000 χ^2/NDF :1761098.4/34

All: -1396.751+/-0.000 χ^2/NDF : 1800086126

dit_atr2_4eX_slope vs Slug, Sign Corrected



Right In: 1873.852 $\pm$ 0.000 χ^2 /NDF: 201563.9/16

Left Out: 2159.368 $\pm$ 0.409 χ^2 /NDF:29898.3/15

Right Out: 1706.739 $\pm$ 0.302 χ^2 /NDF: 837936.9/18

Left In: 2158.460 $\pm$ 0.336 χ^2 /NDF:38632.8/14

Left: 2158.826 $\pm$ 0.259 χ^2 /NDF: 68534.0/30

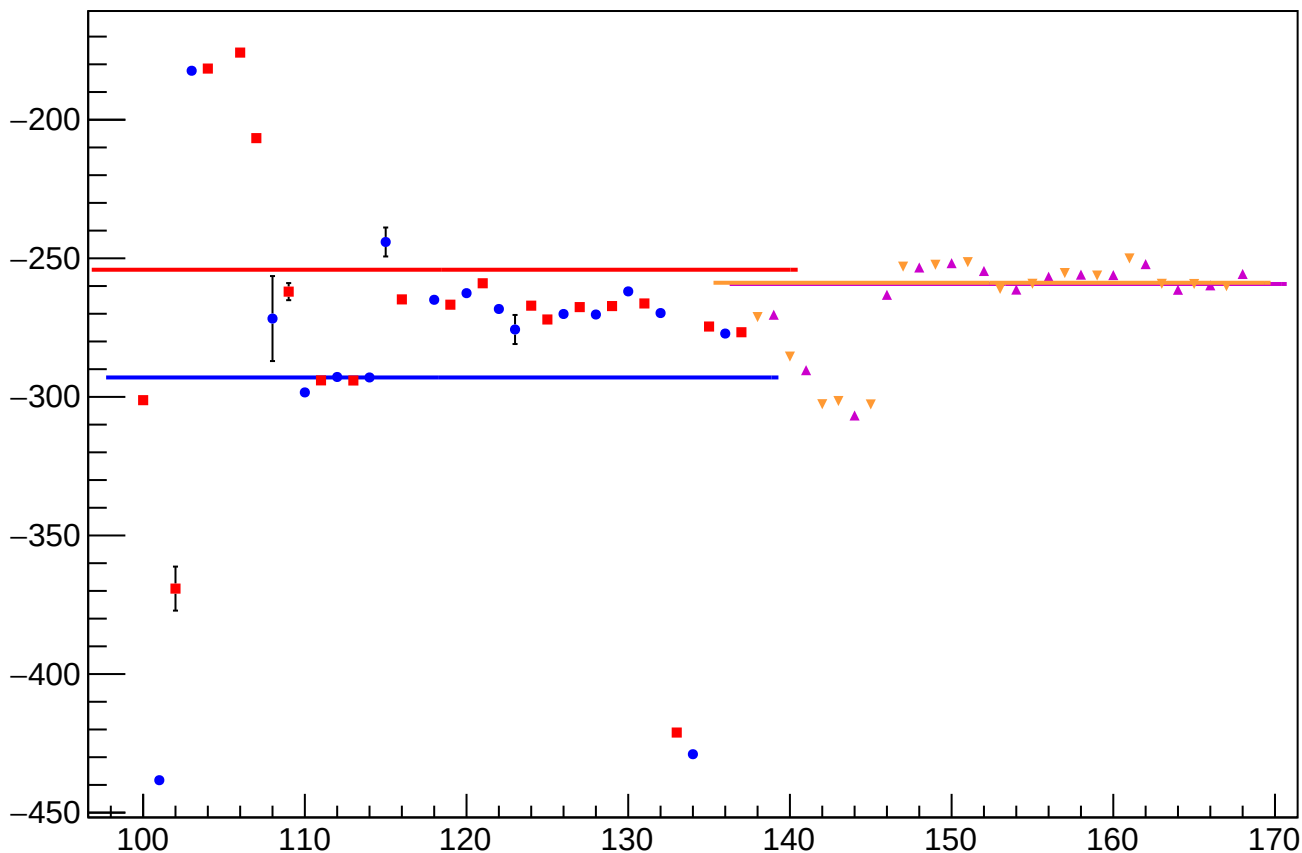
Right: 1873.852 $\pm$ 0.000 χ^2 /NDF: 1344906.8/35

In: 1873.852 $\pm$ 0.000 χ^2 /NDF:958994.4/31

Out: 1866.935 $\pm$ 0.243 χ^2 /NDF:1660799.8/34

All: 1873.852 $\pm$ 0.000 χ^2 /NDF: 2620604.0/66

dit_atr2_11X12X_slope vs Slug, Sign Corrected



Right In: -292.986 ± 0.000 $\chi^2/\text{NDF}: 1015592.4/16$

Left Out: -258.817 ± 0.023 $\chi^2/\text{NDF}: 204973.7/15$

Right Out: -254.119 ± 0.059 $\chi^2/\text{NDF}: 502658.5/18$

Left In: -259.259 ± 0.020 $\chi^2/\text{NDF}: 249392.2/14$

Left: -259.073 ± 0.015 $\chi^2/\text{NDF}: 454580.4/30$

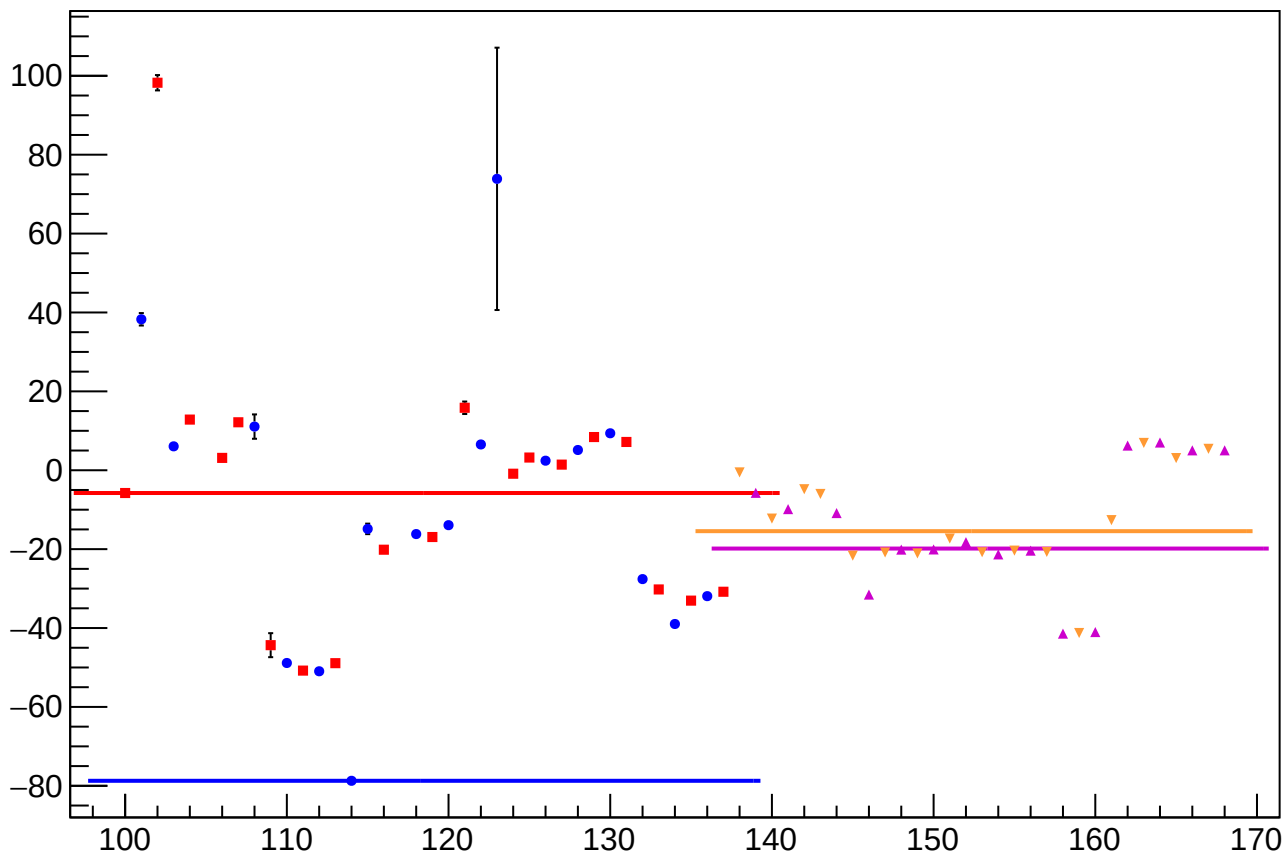
Right: -292.986 ± 0.000 $\chi^2/\text{NDF}: 1952225.7/35$

In: -292.986 ± 0.000 $\chi^2/\text{NDF}: 4244007.9/31$

Out: -258.196 ± 0.021 $\chi^2/\text{NDF}: 713135.6/34$

All: -292.986 ± 0.000 $\chi^2/\text{NDF}: 7591508.8/66$

dit_atr2_4aY_slope vs Slug, Sign Corrected



Right In: -78.728+/-0.000 χ^2/NDF : 1399088.3/16

Left Out: -15.442+/-0.022 χ^2/NDF : 555775.0/15

Right Out: -5.769+/-0.000 χ^2/NDF : 111570.1/18

Left In: -19.851+/-0.019 χ^2/NDF : 693407.2/14

Left: -17.988+/-0.014 χ^2/NDF : 1272245.8/30

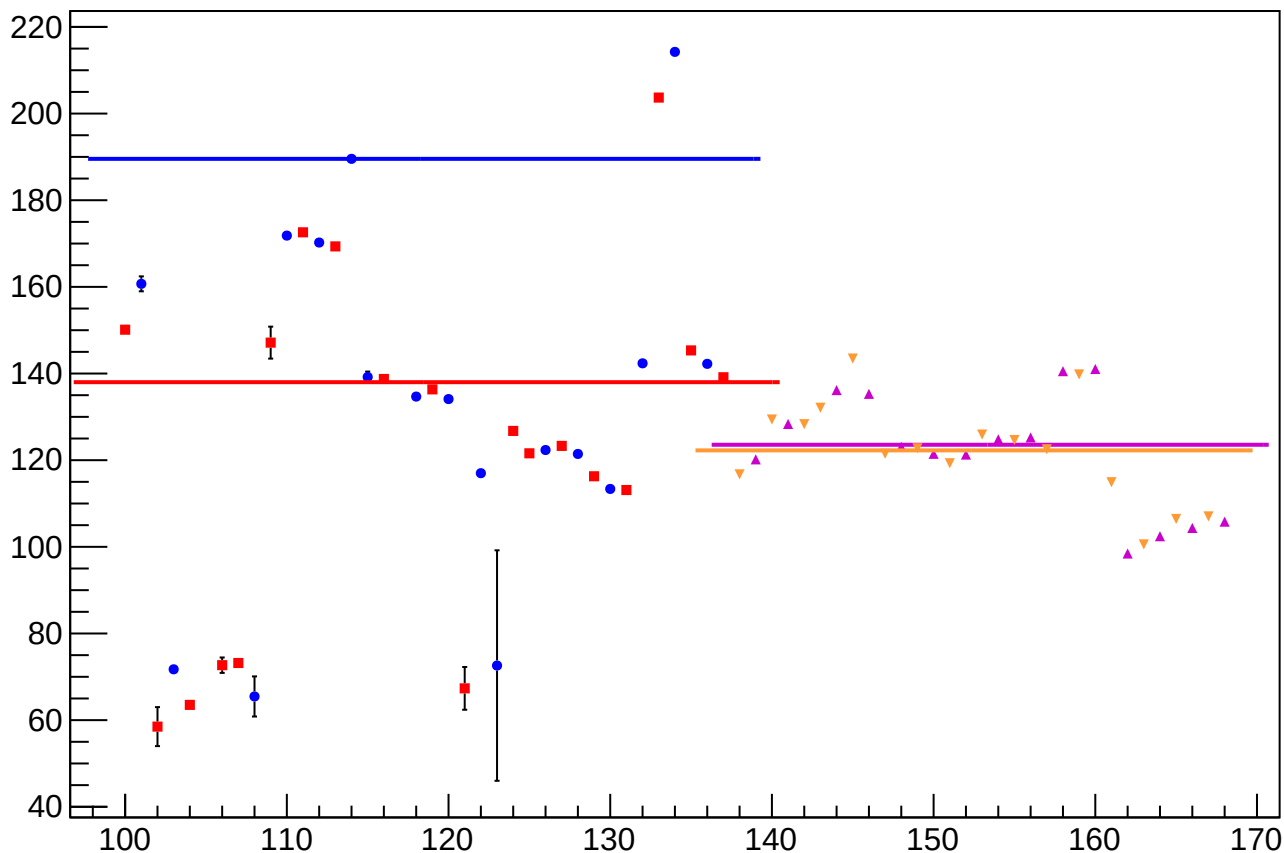
Right: -6.288+/-0.000 χ^2/NDF : 2878797679293380

In: -78.728+/-0.000 χ^2/NDF : 11824687.4/31

Out: -5.769+/-0.000 χ^2/NDF : 859632.0/34

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: 927391.8/16

Left Out: 122.261 $\pm$ 0.027 χ^2 /NDF: 141005.7/15

Right Out: 138.002 $\pm$ 0.059 χ^2 /NDF: 117357.8/18

Left In: 123.560 $\pm$ 0.028 χ^2 /NDF: 194038.2/14

Left: 122.904 $\pm$ 0.019 χ^2 /NDF: 336158.6/30

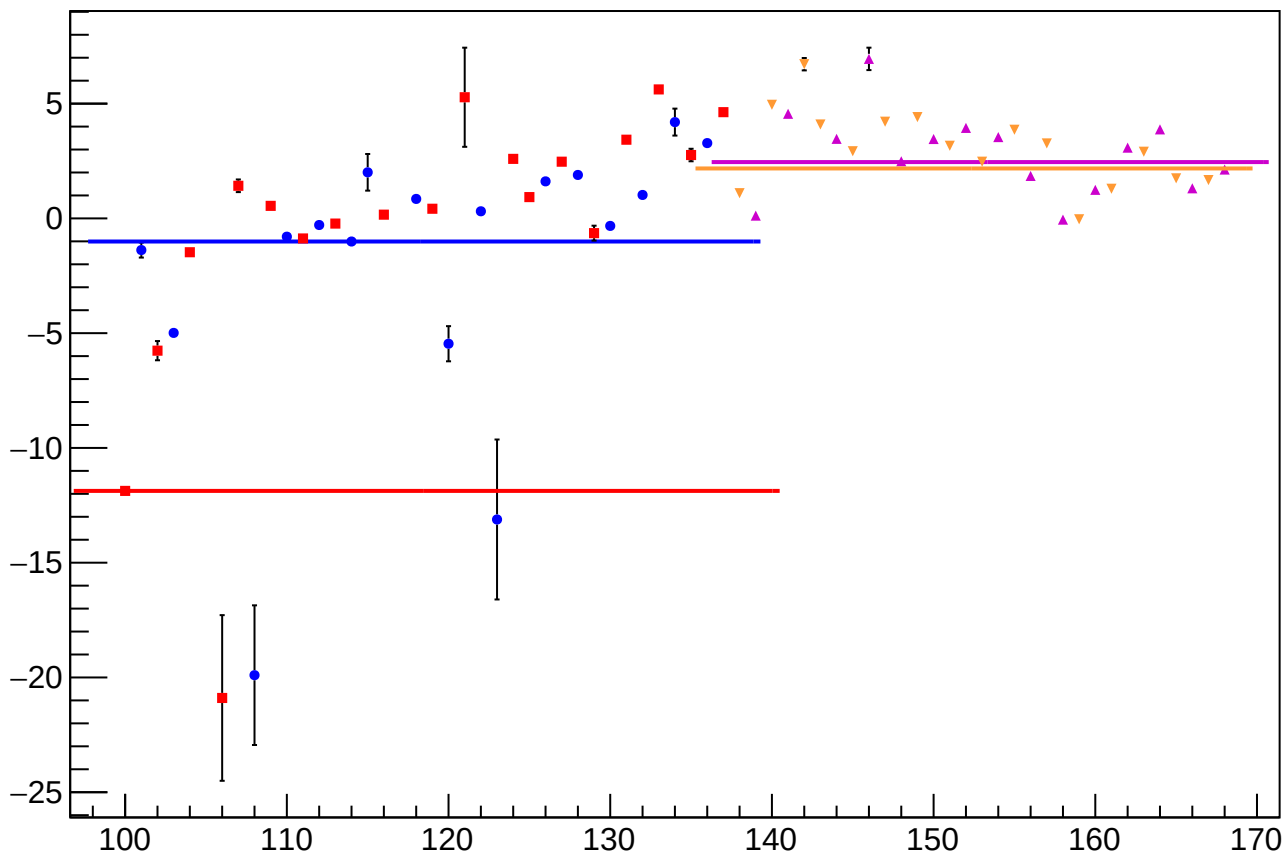
Right: 189.551 $\pm$ 0.000 χ^2 /NDF: 1806450.5/35

In: 189.551 $\pm$ 0.000 χ^2 /NDF: 6816303.1/31

Out: 125.043 $\pm$ 0.025 χ^2 /NDF: 316831.2/34

All: 189.551 $\pm$ 0.000 χ^2 /NDF: 13882473.5/60

dit_sam1_4aX_slope vs Slug, Sign Corrected



Right In: -1.007 ± 0.000 χ^2/NDF : 7057.7/16

Left Out: 2.176 ± 0.021 χ^2/NDF : 5180.3/15

Right Out: -11.872 ± 0.000 χ^2/NDF : 503632.2/18

Left In: 2.454 ± 0.018 χ^2/NDF : 6453.4/14

Left: 2.338 ± 0.014 χ^2/NDF : 11735.1/30

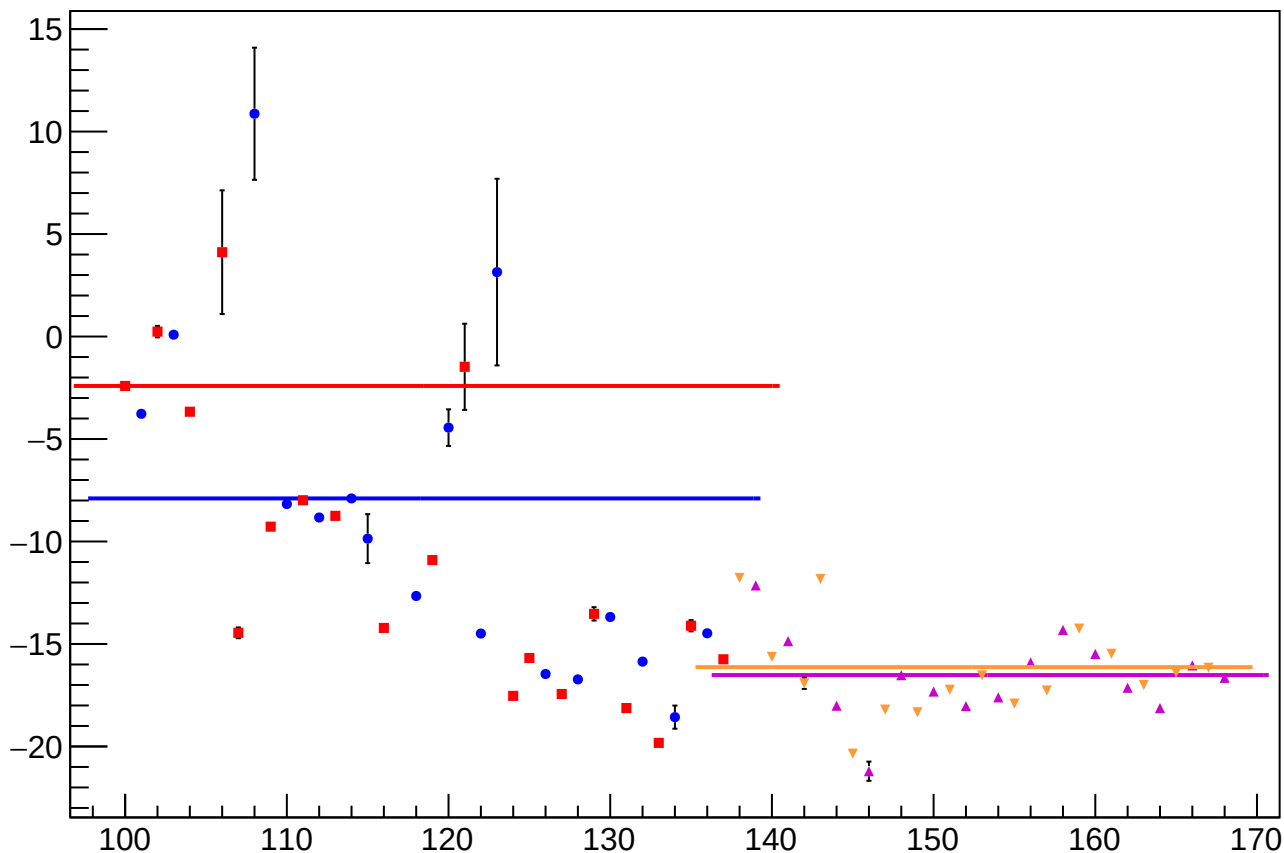
Right: -1.365 ± 0.000 χ^2/NDF : 2170760676638215

In: -1.007 ± 0.000 χ^2/NDF : 51192.7/31

Out: -11.872 ± 0.000 χ^2/NDF : 953456.4/34

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 : 39443.5/16

Left Out: -16.130 ± 0.021 χ^2/NDF : 6086.6/15

Right Out: -2.410 ± 0.000 χ^2/NDF : 203043.8/18

Left In: -16.516 ± 0.019 χ^2/NDF : 5366.3/14

Left: -16.344 ± 0.014 χ^2/NDF : 11646.4/30

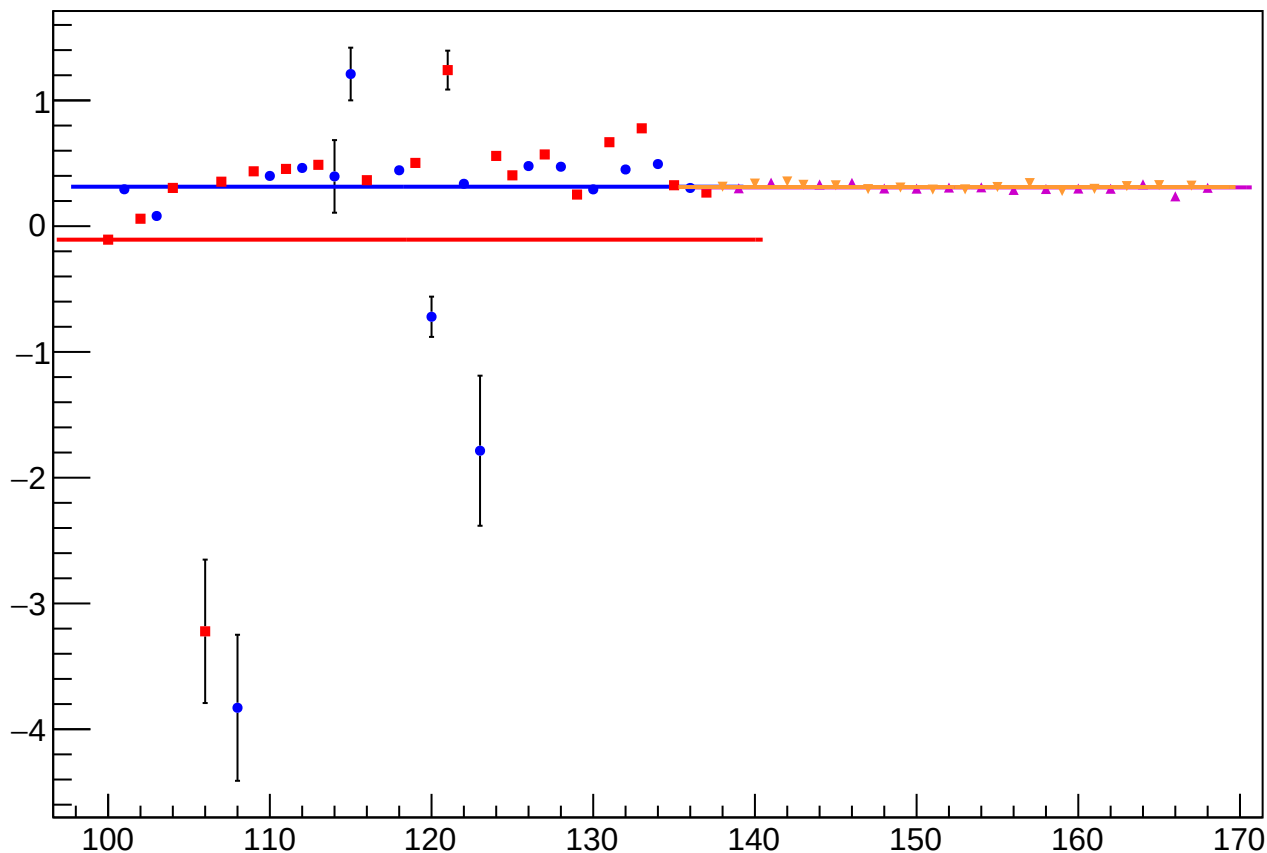
Right: -4.135 ± 0.000 χ^2/NDF : 2879850560728951

In: -7.899 ± 0.000 χ^2/NDF : 261436.5/31

Out: -2.410 ± 0.000 χ^2/NDF : 648979.3/34

All: -4.135 ± 0.000 χ^2/NDF : 2879850560728

dit_sam1_11X12X_slope vs Slug, Sign Corrected



Right In: 0.314 ± 0.001 $\chi^2/\text{NDF}: 2748.0/16$

Left Out: 0.311 ± 0.000 $\chi^2/\text{NDF}: 4016.5/15$

Right Out: -0.107 ± 0.000 $\chi^2/\text{NDF}: 219932.8/18$

Left In: 0.308 ± 0.000 $\chi^2/\text{NDF}: 2658.0/14$

Left: 0.310 ± 0.000 $\chi^2/\text{NDF}: 6726.4/30$

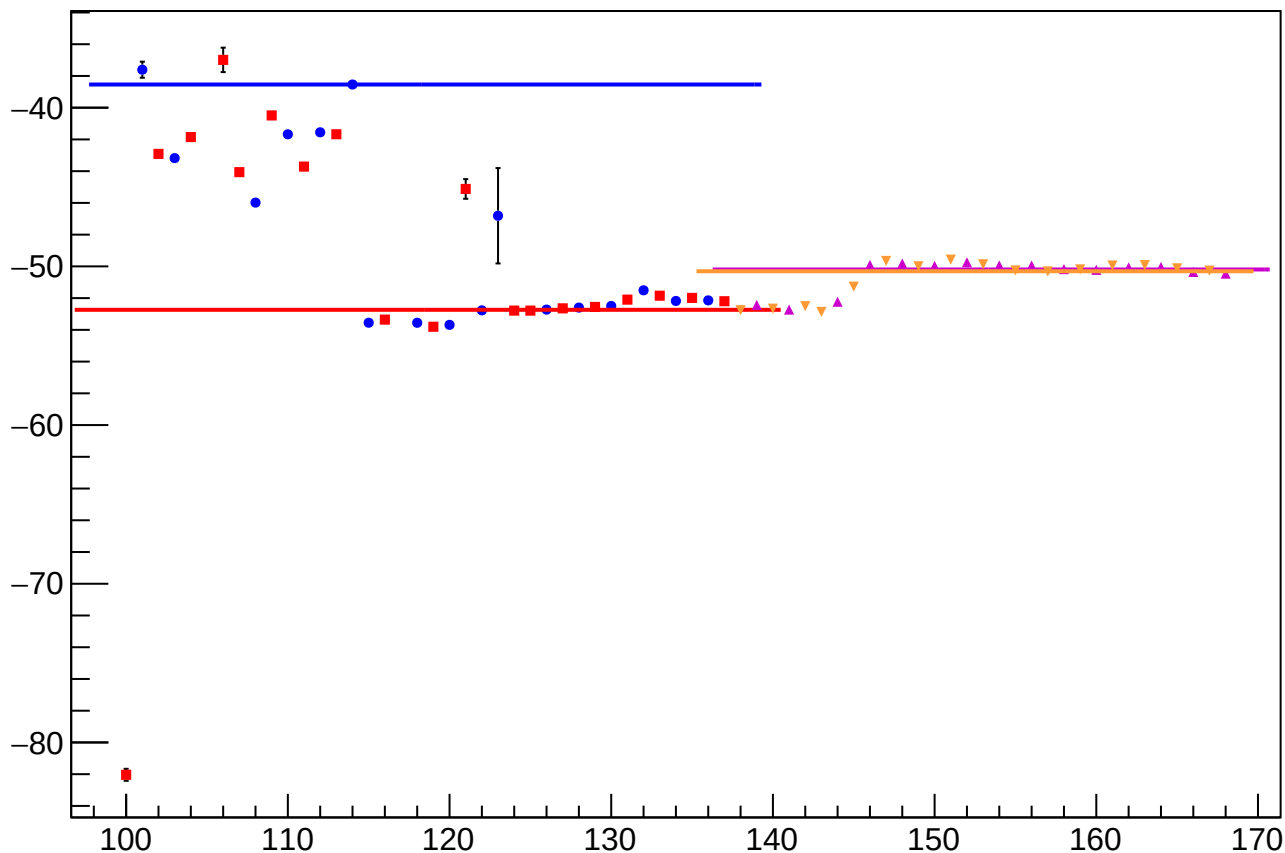
Right: -0.107 ± 0.000 $\chi^2/\text{NDF}: 409026.8/35$

In: 0.309 ± 0.000 $\chi^2/\text{NDF}: 5434.1/31$

Out: -0.107 ± 0.000 $\chi^2/\text{NDF}: 2595163.3/34$

All: -0.107 ± 0.000 $\chi^2/\text{NDF}: 4983122.8/66$

dit_sam1_4aY_slope vs Slug, Sign Corrected



Right In: -38.539 ± 0.000 χ^2/NDF : 14950854.6/16

Left Out: -50.307 ± 0.002 χ^2/NDF : 251248.8/15

Right Out: -52.737 ± 0.002 χ^2/NDF : 87430.2/18

Left In: -50.195 ± 0.001 χ^2/NDF : 160612.6/14

Left: -50.239 ± 0.001 χ^2/NDF : 414329.3/30

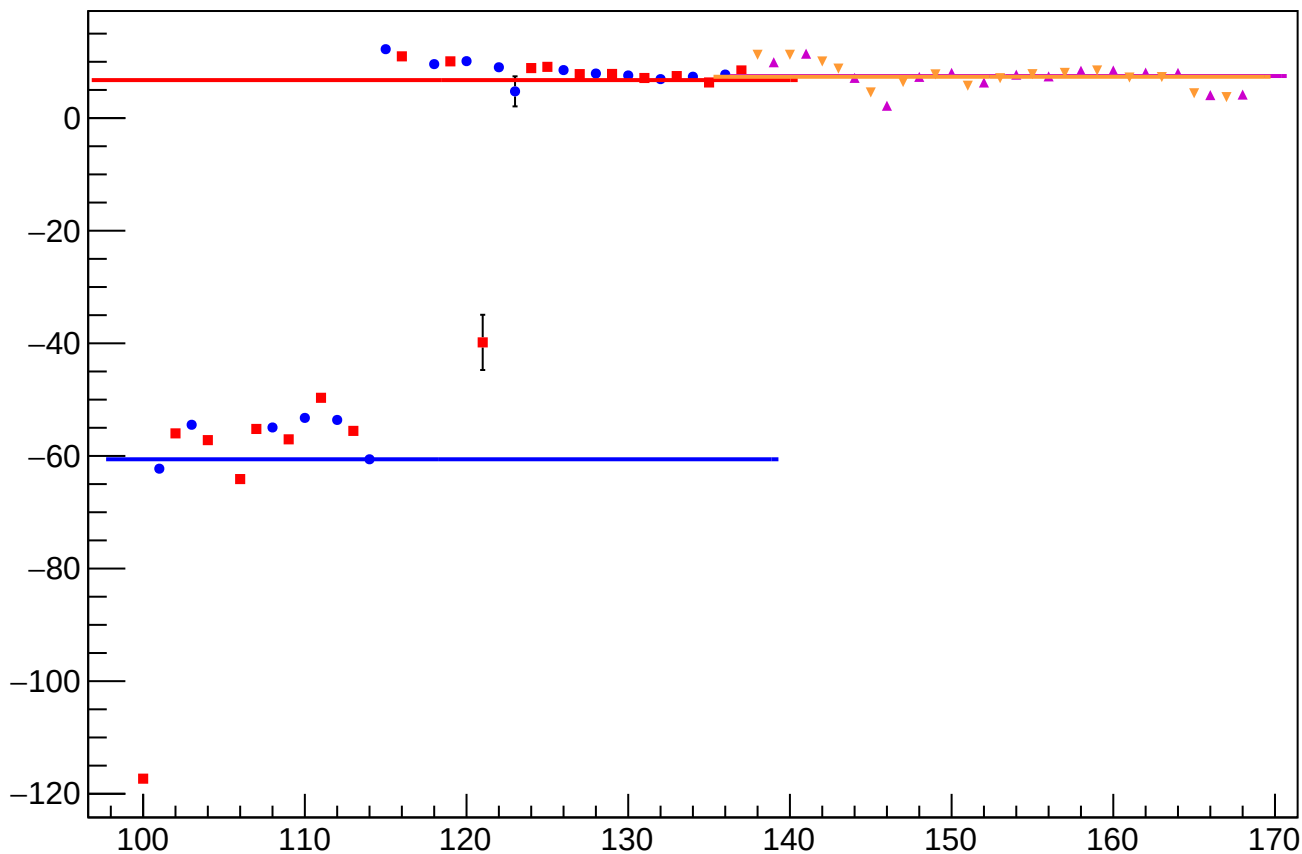
Right: -38.539 ± 0.000 χ^2/NDF : 72100834.2/35

In: -38.539 ± 0.000 χ^2/NDF : 83424297.2/31

Out: -51.445 ± 0.001 χ^2/NDF : 1227061.4/34

All: -38.539 ± 0.000 χ^2/NDF : 185338768.9/6

dit_sam1_4eY_slope vs Slug, Sign Corrected



Right In: -60.594 ± 0.000 $\chi^2/\text{NDF}: 26122838.1/16$

Left Out: 7.342 ± 0.004 $\chi^2/\text{NDF}: 188645.0/15$

Right Out: 6.748 ± 0.011 $\chi^2/\text{NDF}: 1266598.3/18$

Left In: 7.472 ± 0.004 $\chi^2/\text{NDF}: 130810.5/14$

Left: 7.416 ± 0.003 $\chi^2/\text{NDF}: 319996.5/30$

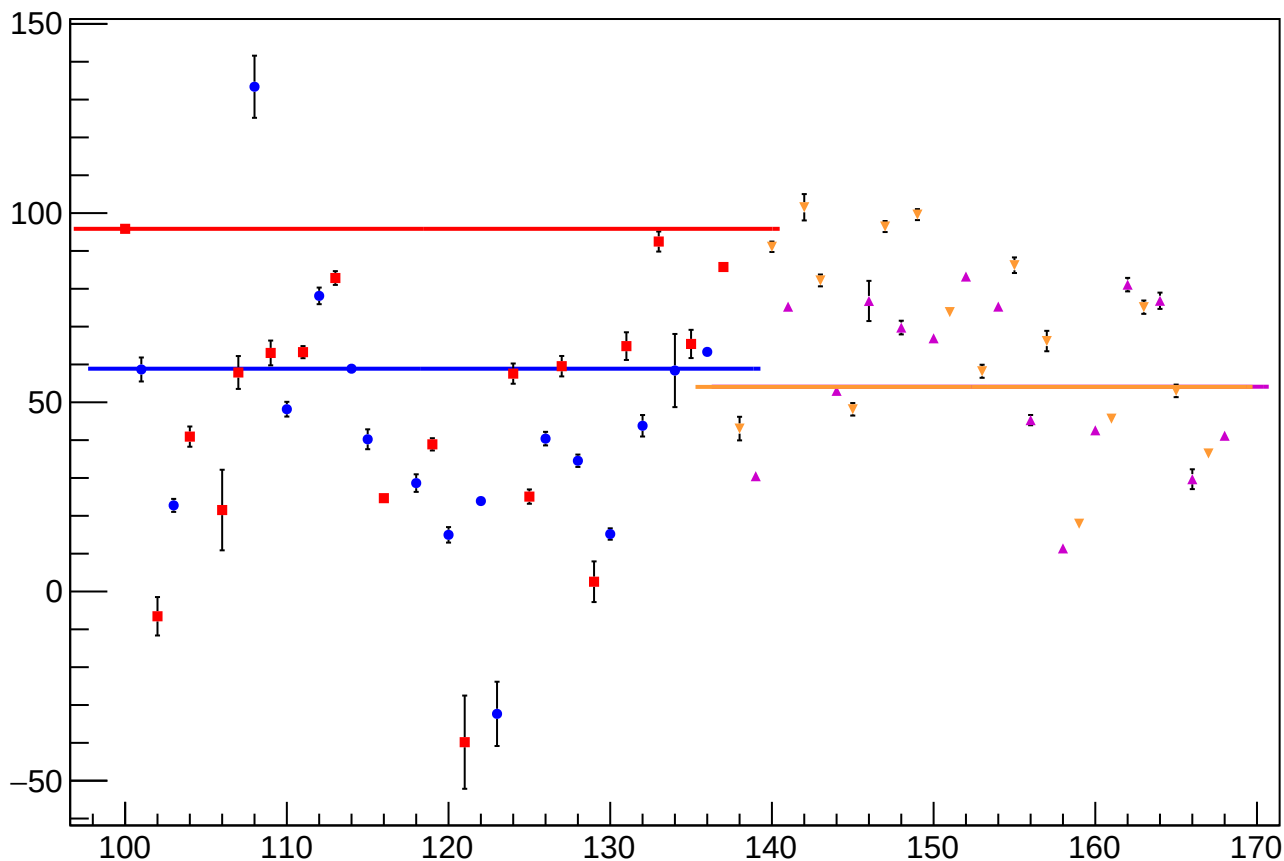
Right: -60.594 ± 0.000 $\chi^2/\text{NDF}: 64778482.9/35$

In: -60.594 ± 0.000 $\chi^2/\text{NDF}: 372723688.7/31$

Out: 7.265 ± 0.004 $\chi^2/\text{NDF}: 1457770.9/34$

All: -60.594 ± 0.000 $\chi^2/\text{NDF}: 668946742.6/6$

dit_sam2_4aX_slope vs Slug, Sign Corrected



Right In: 58.880 ± 0.000 χ^2/NDF : 3814.7/16

Left Out: 54.069 ± 0.328 χ^2/NDF : 6342.0/15

Right Out: 95.846 ± 0.000 χ^2/NDF : 39385.0/18

Left In: 54.118 ± 0.288 χ^2/NDF : 5352.7/14

Left: 54.097 ± 0.216 χ^2/NDF : 11694.6/30

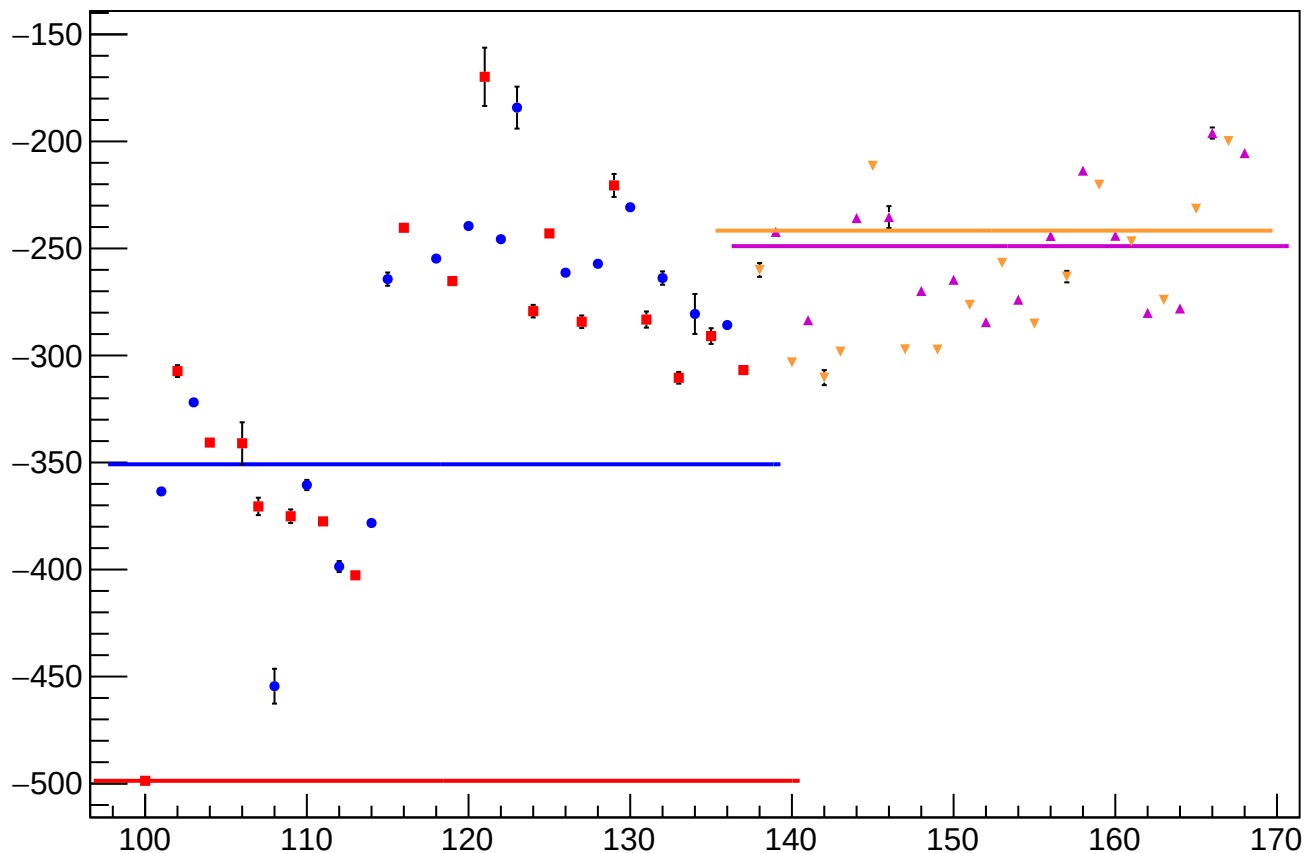
Right: 60.098 ± 0.000 χ^2/NDF : 9815233945666380

In: 58.880 ± 0.000 χ^2/NDF : 9440.3/31

Out: 95.846 ± 0.000 χ^2/NDF : 61971.7/34

All: 60.098 ± 0.000 χ^2/NDF : 9815233945666380

dit_sam2_4eX_slope vs Slug, Sign Corrected



Right In: -350.833 ± 0.245 $\chi^2/\text{NDF}: 41301.1/16$

Left Out: -241.668 ± 0.326 $\chi^2/\text{NDF}: 14952.0/15$

Right Out: -498.692 ± 0.000 $\chi^2/\text{NDF}: 511870.8/18$

Left In: -248.921 ± 0.292 $\chi^2/\text{NDF}: 9146.5/14$

Left: -245.689 ± 0.217 $\chi^2/\text{NDF}: 24373.5/30$

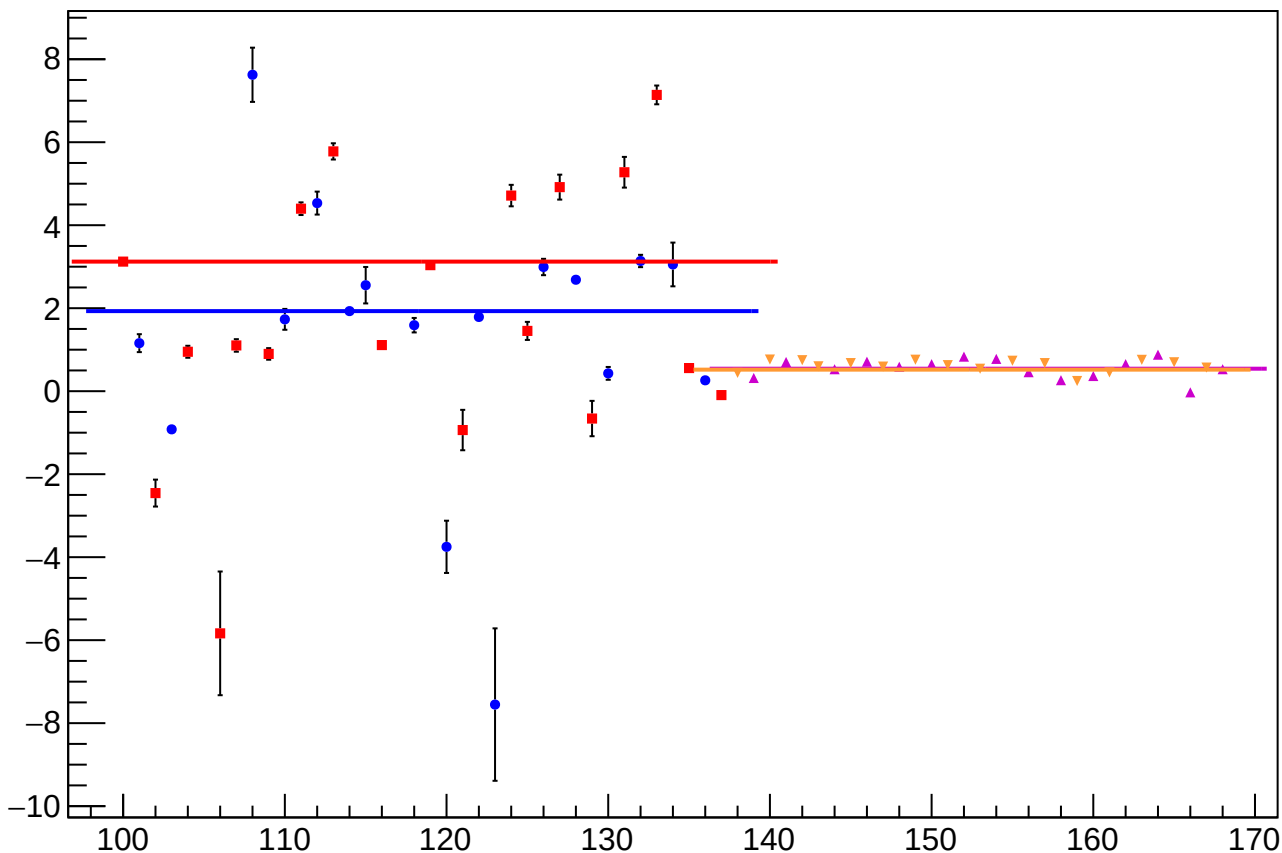
Right: -498.692 ± 0.000 $\chi^2/\text{NDF}: 918780.8/35$

In: -308.824 ± 0.187 $\chi^2/\text{NDF}: 122043.5/31$

Out: -498.692 ± 0.000 $\chi^2/\text{NDF}: 1149727.0/34$

All: -498.692 ± 0.000 $\chi^2/\text{NDF}: 2297435.9/66$

dit_sam2_11X12X_slope vs Slug, Sign Corrected



Right In: 1.930+/-0.000 χ^2/NDF : 59970.9/16

Left Out: 0.519+/-0.002 χ^2/NDF : 7985.4/15

Right Out: 3.123+/-0.000 χ^2/NDF : 512565.5/18

Left In: 0.542+/-0.002 χ^2/NDF : 12550.6/14

Left: 0.532+/-0.001 χ^2/NDF : 20596.4/30

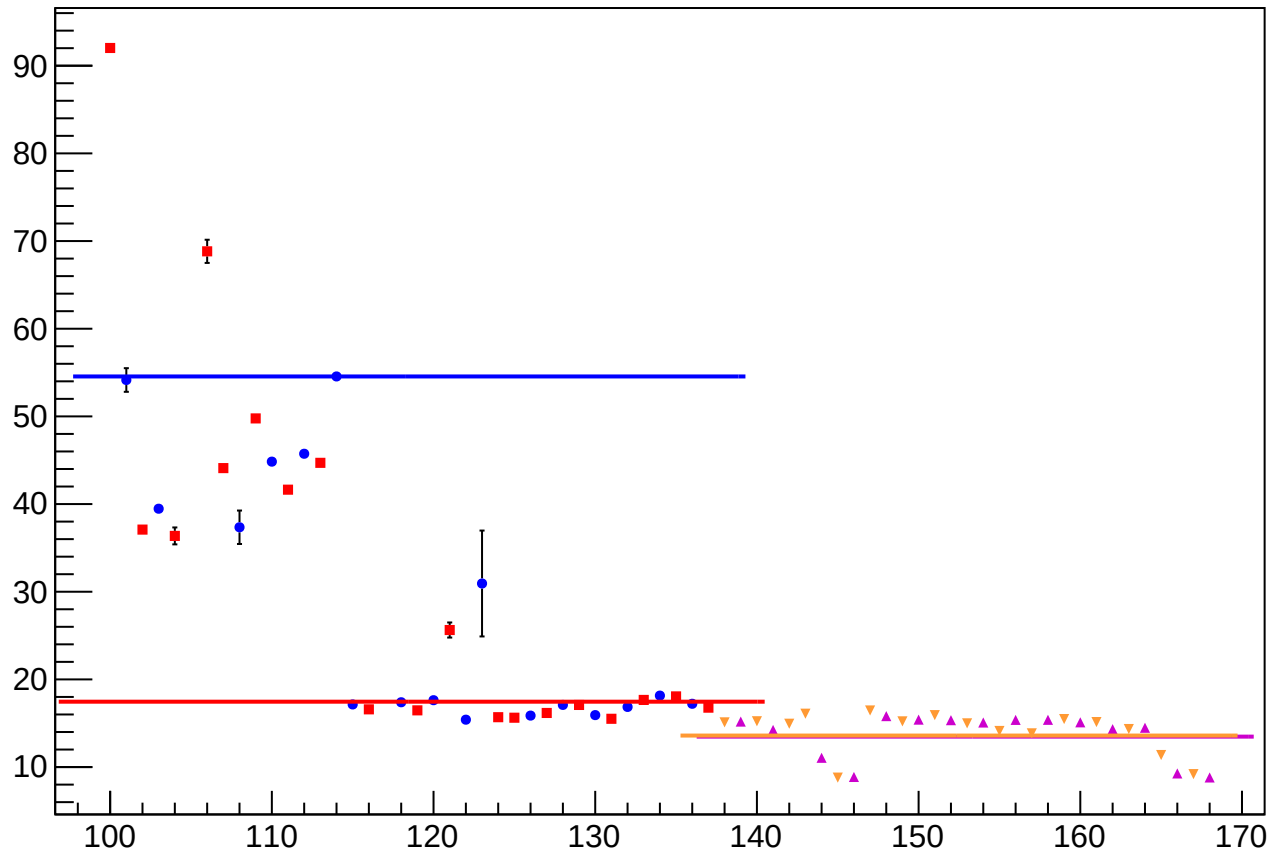
Right: 2.073+/-0.000 χ^2/NDF : 38099534578085305

In: 1.930+/-0.000 χ^2/NDF : 583799.4/31

Out: 3.123+/-0.000 χ^2/NDF : 1941055.0/34

All: 2.073+/-0.000 χ^2/NDF : 38099534578085305

dit_sam2_4aY_slope vs Slug, Sign Corrected



Right In: 54.556+/-0.000 χ^2/NDF : 7238433.0/16

Left Out: 13.595+/-0.007 χ^2/NDF :145395.7/15

Right Out: 17.458+/-0.018 χ^2/NDF : 99308.5/18

Left In: 13.473+/-0.007 χ^2/NDF :163935.2/14

Left: 13.528+/-0.005 χ^2/NDF : 309477.9/30

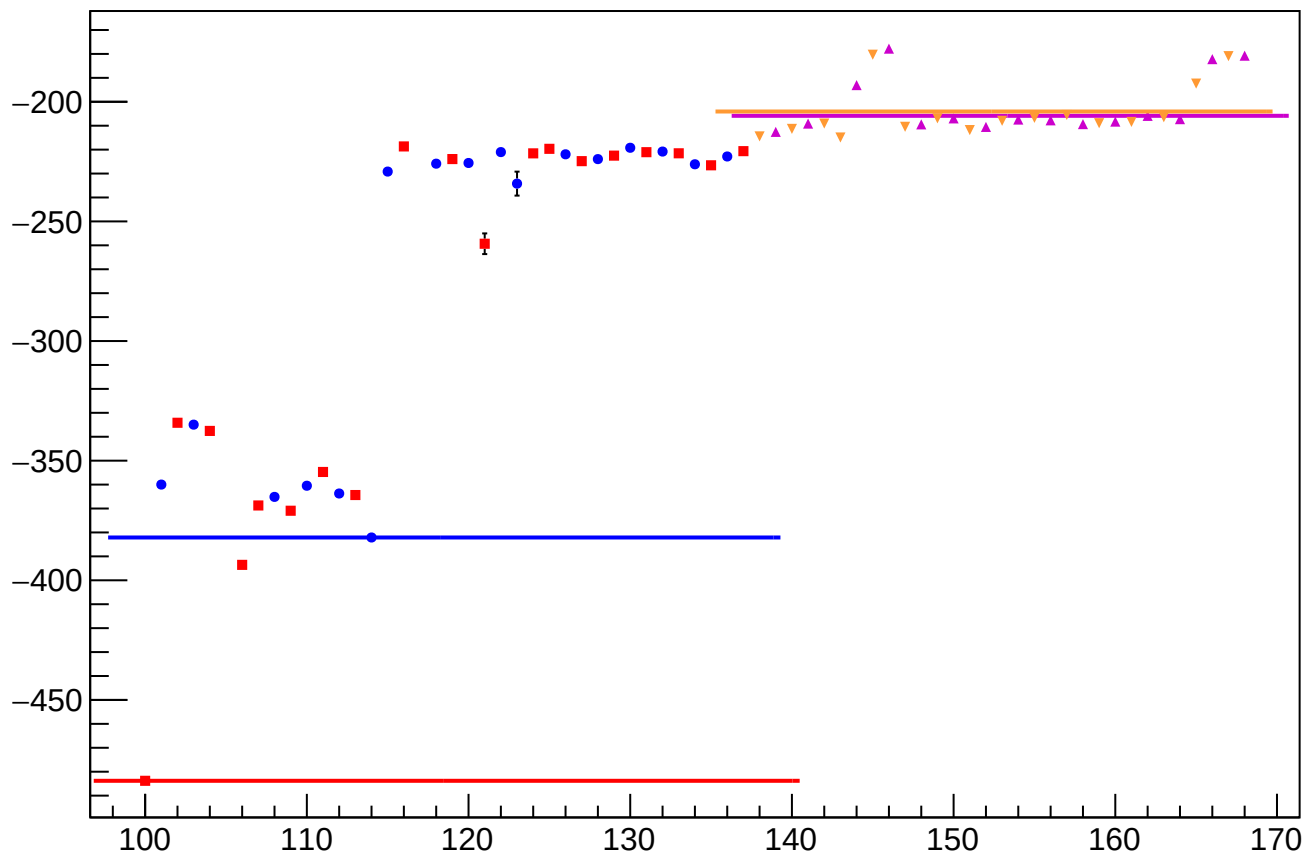
Right: 54.556+/-0.000 χ^2/NDF : 11453944.4/35

In: 54.556+/-0.000 χ^2/NDF :44269565.5/31

Out: 14.145+/-0.007 χ^2/NDF :282989.5/34

All: 54.556+/-0.000 χ^2/NDF : 78879001.0/66

dit_sam2_4eY_slope vs Slug, Sign Corrected



Right In: -382.108+/-0.000 χ^2/NDF : 18398024.3/16

Left Out: -204.064+/-0.017 χ^2/NDF : 430323.8/15

Right Out: -483.800+/-0.000 χ^2/NDF : 24338683.6/18

Left In: -205.863+/-0.016 χ^2/NDF : 220630.0/14

Left: -204.976+/-0.012 χ^2/NDF : 656868.7/30

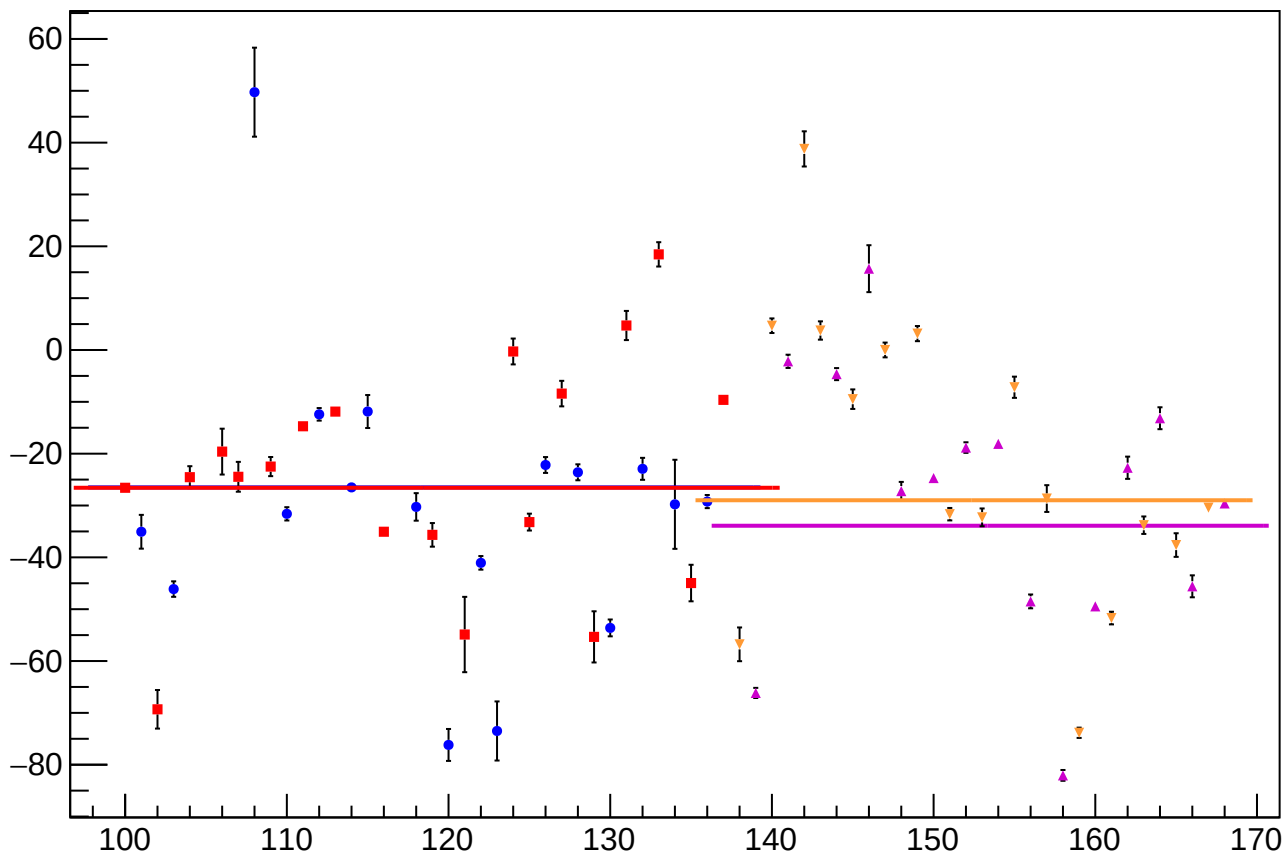
Right: -417.999+/-0.000 χ^2/NDF : 12425488813367

In: -382.108+/-0.000 χ^2/NDF : 133773138.5/31

Out: -483.800+/-0.000 χ^2/NDF : 306972126.4/34

All: -417.999+/-0.000 χ^2/NDF : 12425488813

dit_sam3_4aX_slope vs Slug, Sign Corrected



Right In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 1180.7/16$

Left Out: -28.986 ± 0.342 $\chi^2/\text{NDF}: 4929.3/15$

Right Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 2640.9/18$

Left In: -33.901 ± 0.296 $\chi^2/\text{NDF}: 5814.4/14$

Left: -31.797 ± 0.224 $\chi^2/\text{NDF}: 10861.8/30$

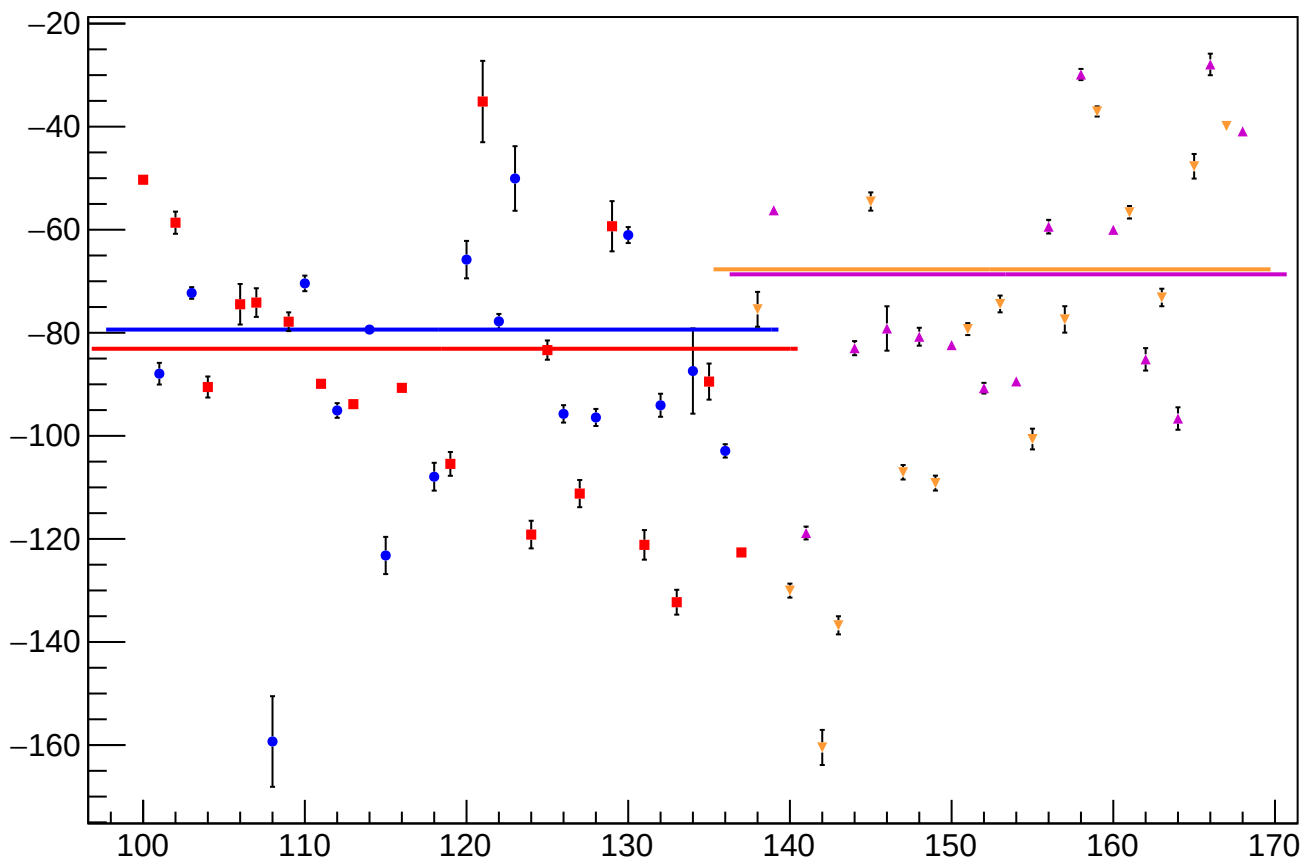
Right: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654659$

In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 7619.9/31$

Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 7619.8/34$

All: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654$

dit_sam3_4eX_slope vs Slug, Sign Corrected



Right In: -79.376 $\pm$ 0.000 χ^2/NDF : 1304.6/16

Left Out: -67.683 $\pm$ 0.334 χ^2/NDF : 9811.8/15

Right Out: -83.099 $\pm$ 0.178 χ^2/NDF : 11915.8/18

Left In: -68.657 $\pm$ 0.292 χ^2/NDF : 6633.4/14

Left: -68.235 $\pm$ 0.220 χ^2/NDF : 16450.0/30

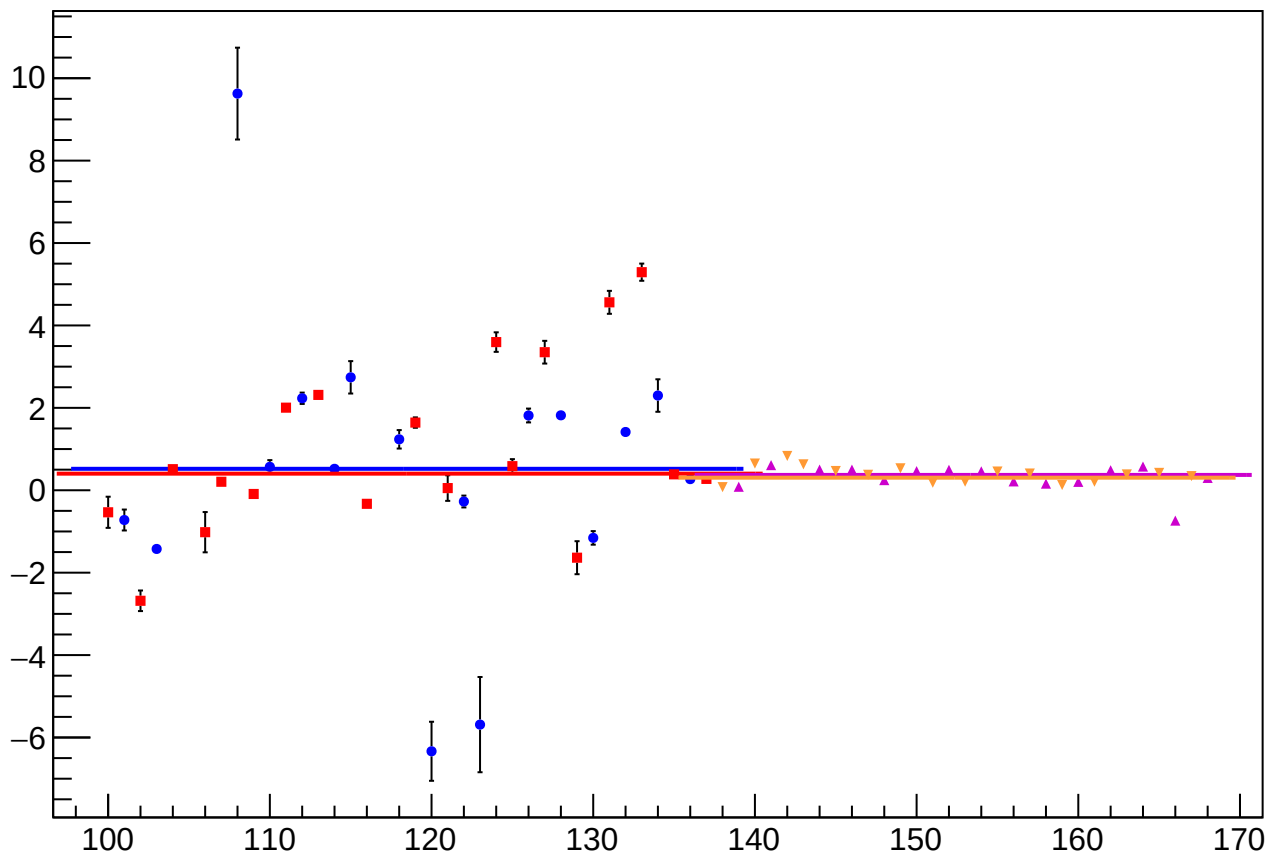
Right: -79.376 $\pm$ 0.000 χ^2/NDF : 13657.0/35

In: -79.376 $\pm$ 0.000 χ^2/NDF : 9288.2/31

Out: -79.682 $\pm$ 0.157 χ^2/NDF : 23386.7/34

All: -79.376 $\pm$ 0.000 χ^2/NDF : 32678.7/66

dit_sam3_11X12X_slope vs Slug, Sign Corrected



Right In: 0.521+/-0.000 χ^2/NDF : 3370.8/16

Left Out: 0.305+/-0.002 χ^2/NDF : 5934.8/15

Right Out: 0.403+/-0.011 χ^2/NDF : 2727.5/18

Left In: 0.372+/-0.002 χ^2/NDF : 8852.4/14

Left: 0.343+/-0.001 χ^2/NDF : 15323.4/30

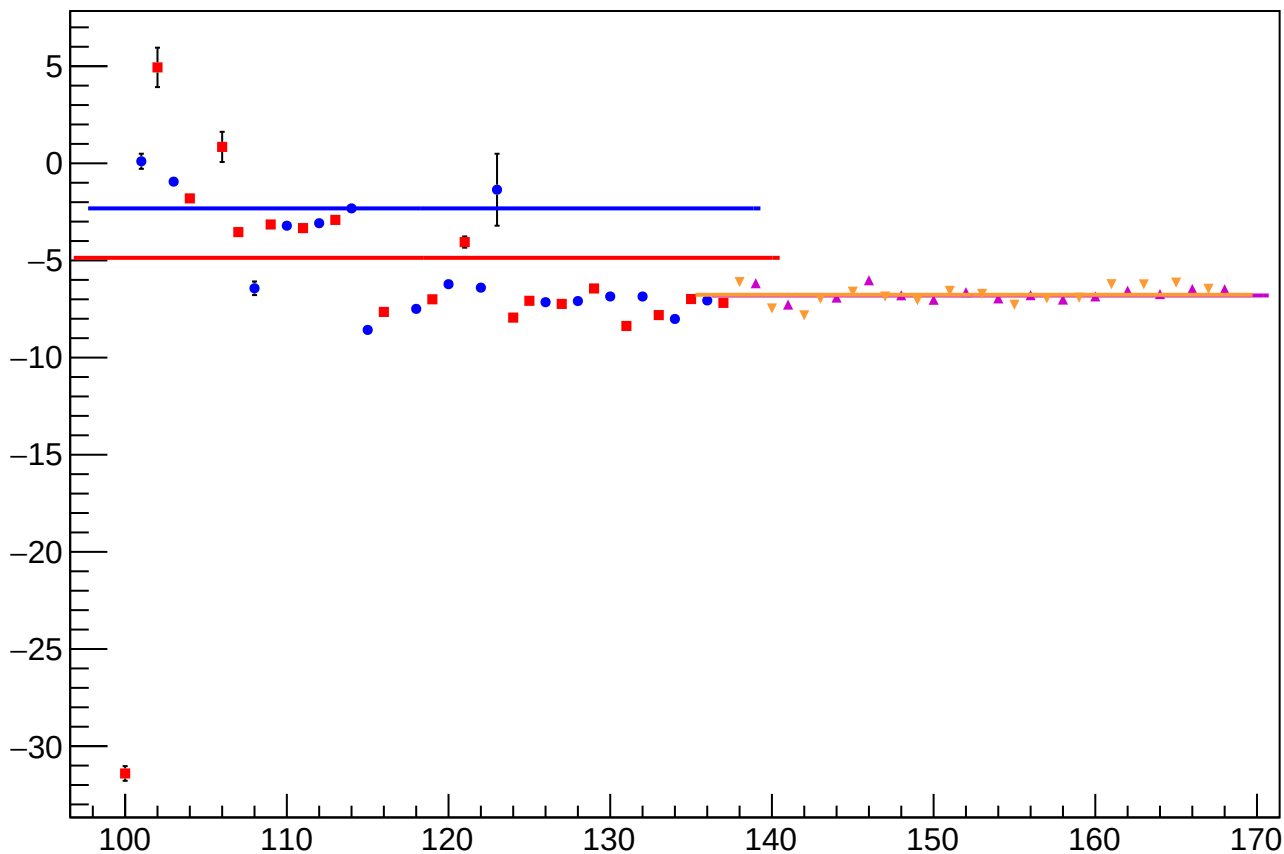
Right: 0.521+/-0.000 χ^2/NDF : 6215.1/35

In: 0.521+/-0.000 χ^2/NDF : 18213.2/31

Out: 0.309+/-0.002 χ^2/NDF : 8740.3/34

All: 0.521+/-0.000 χ^2/NDF : 36931.1/66

dit_sam3_4aY_slope vs Slug, Sign Corrected



Right In: -2.320 ± 0.000 $\chi^2/\text{NDF}: 270771.9/16$

Left Out: -6.766 ± 0.003 $\chi^2/\text{NDF}: 8030.1/15$

Right Out: -4.864 ± 0.010 $\chi^2/\text{NDF}: 49380.5/18$

Left In: -6.803 ± 0.003 $\chi^2/\text{NDF}: 7712.8/14$

Left: -6.785 ± 0.002 $\chi^2/\text{NDF}: 15829.3/30$

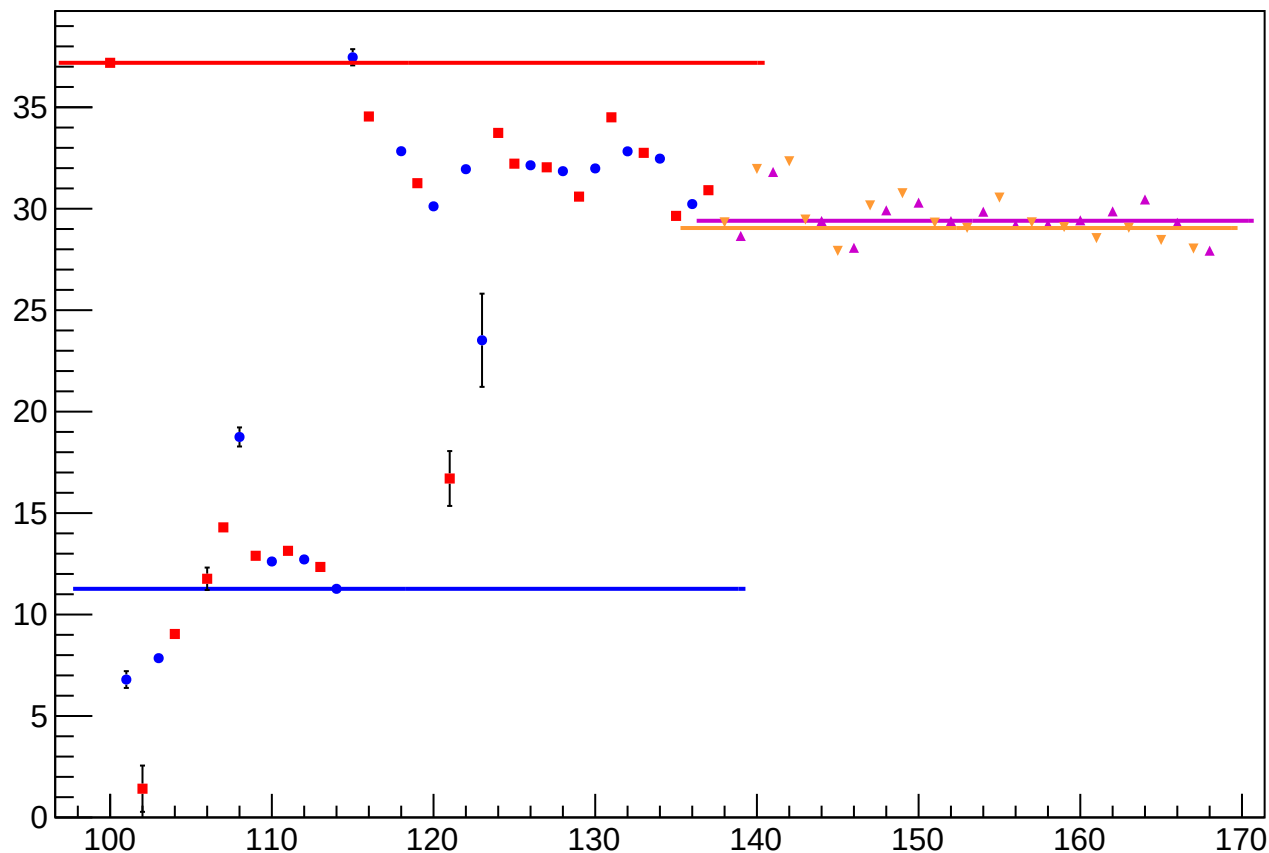
Right: -2.320 ± 0.000 $\chi^2/\text{NDF}: 381161.7/35$

In: -2.320 ± 0.000 $\chi^2/\text{NDF}: 2938846.0/31$

Out: -6.635 ± 0.003 $\chi^2/\text{NDF}: 89131.3/34$

All: -2.320 ± 0.000 $\chi^2/\text{NDF}: 5568786.1/66$

dit_sam3_4eY_slope vs Slug, Sign Corrected



Right In: 11.268 $\pm$ 0.000 χ^2 /NDF: 958029.3/16

Left Out: 29.049 $\pm$ 0.010 χ^2 /NDF:11090.1/15

Right Out: 37.191 $\pm$ 0.000 χ^2 /NDF: 1121929.1/18

Left In: 29.406 $\pm$ 0.009 χ^2 /NDF:7264.3/14

Left: 29.240 $\pm$ 0.007 χ^2 /NDF: 19028.8/30

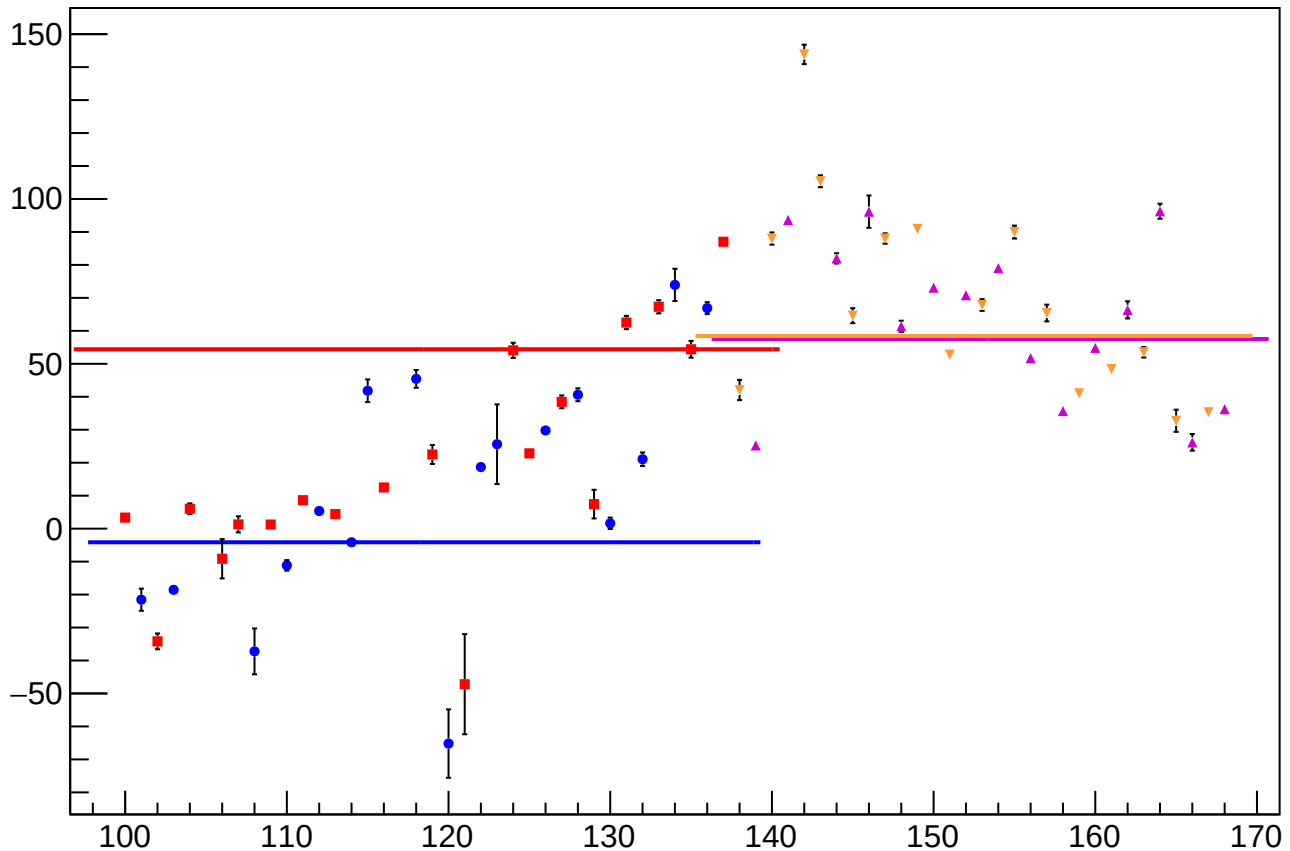
Right: 12.122 $\pm$ 0.000 χ^2 /NDF: 7723055694978834

In: 11.268 $\pm$ 0.000 χ^2 /NDF:4713063.3/31

Out: 37.191 $\pm$ 0.000 χ^2 /NDF:1788570.3/34

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 : 4654.2/16

Left Out: 58.423 ± 0.371 χ^2/NDF : 4346.3/15

Right Out: 54.427 ± 0.170 χ^2/NDF : 53998.7/18

Left In: 57.525 ± 0.308 χ^2/NDF : 5242.3/14

Left: 57.890 ± 0.237 χ^2/NDF : 9592.1/30

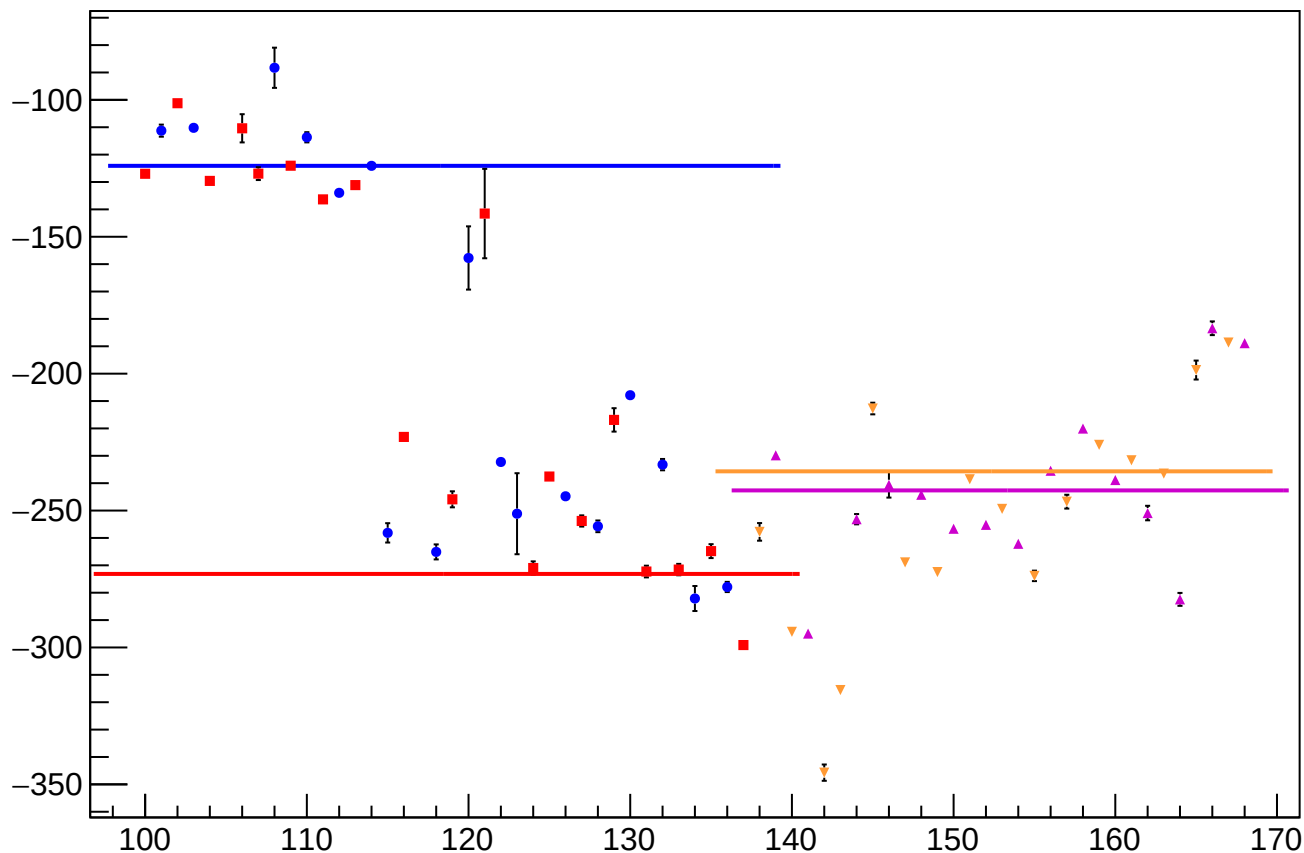
Right: -4.139 ± 0.000 χ^2/NDF : 177029.3/35

In: -4.139 ± 0.000 χ^2/NDF : 50100.4/31

Out: 55.121 ± 0.155 χ^2/NDF : 58440.7/34

All: -4.139 ± 0.000 χ^2/NDF : 255209.0/66

dit_sam4_4eX_slope vs Slug, Sign Corrected



Right In: -124.095 ± 0.000 $\chi^2/\text{NDF}: 38152.5/16$

Left Out: -235.673 ± 0.364 $\chi^2/\text{NDF}: 10407.6/15$

Right Out: -273.143 ± 0.113 $\chi^2/\text{NDF}: 280141.9/18$

Left In: -242.639 ± 0.303 $\chi^2/\text{NDF}: 6556.8/14$

Left: -239.793 ± 0.233 $\chi^2/\text{NDF}: 17180.9/30$

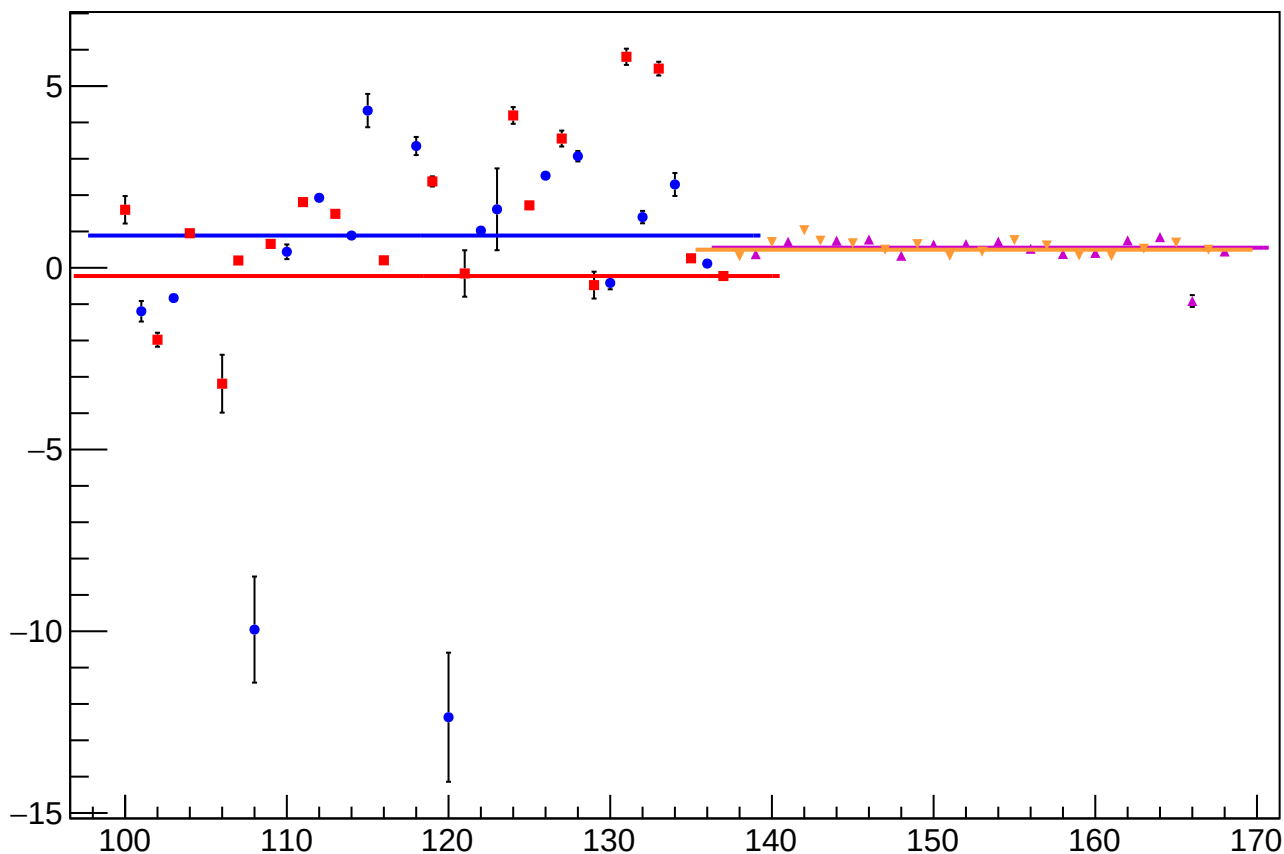
Right: -124.095 ± 0.000 $\chi^2/\text{NDF}: 2066776.4/35$

In: -124.095 ± 0.000 $\chi^2/\text{NDF}: 198148.6/31$

Out: -269.867 ± 0.108 $\chi^2/\text{NDF}: 300213.0/34$

All: -124.095 ± 0.000 $\chi^2/\text{NDF}: 2331076.8/66$

dit_sam4_11X12X_slope vs Slug, Sign Corrected



Right In: 0.888 ± 0.000 χ^2/NDF : 8672.0/16

Left Out: 0.499 ± 0.003 χ^2/NDF : 3590.2/15

Right Out: -0.226 ± 0.000 χ^2/NDF : 5031.1/18

Left In: 0.553 ± 0.002 χ^2/NDF : 4134.2/14

Left: 0.530 ± 0.002 χ^2/NDF : 7948.5/30

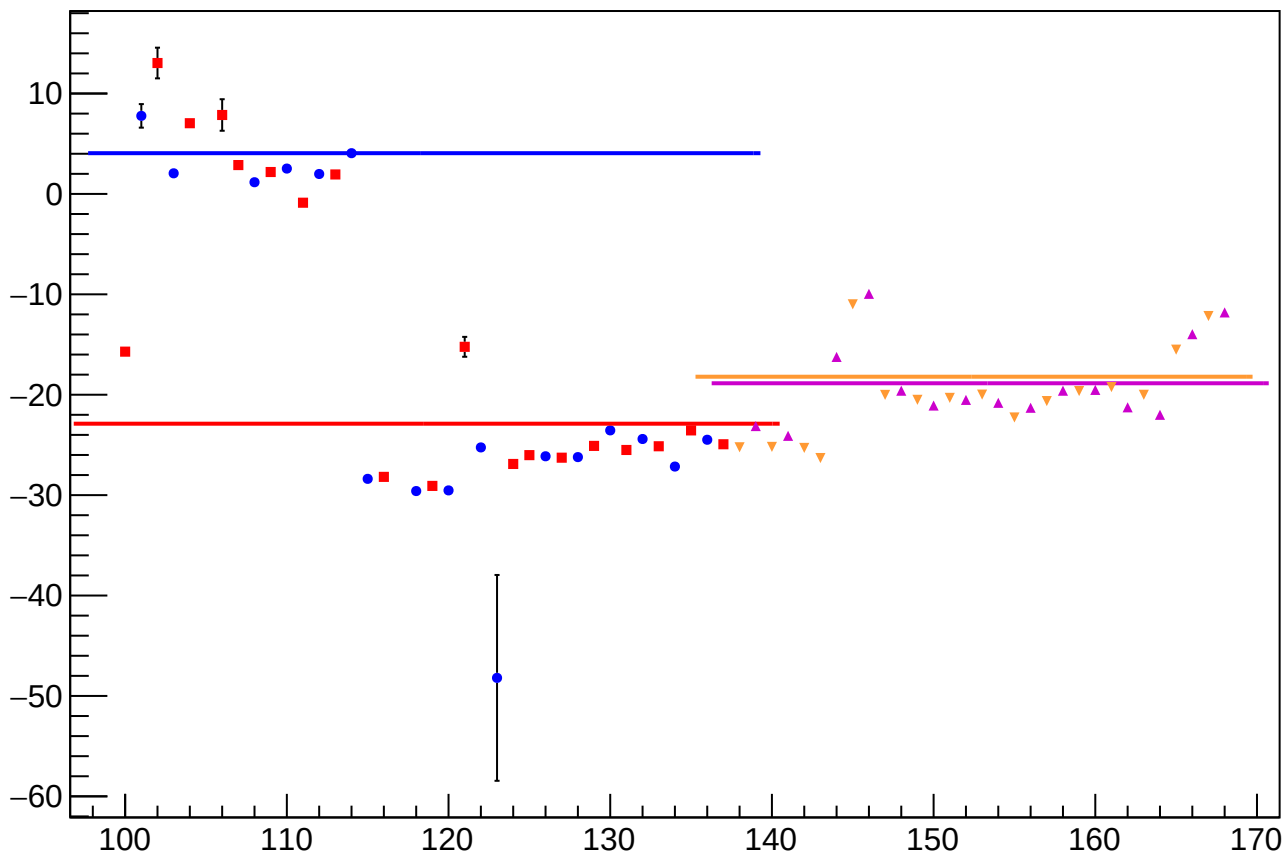
Right: 0.888 ± 0.000 χ^2/NDF : 422220530.0/35

In: 0.888 ± 0.000 χ^2/NDF : 31869.0/31

Out: -0.226 ± 0.000 χ^2/NDF : 78428.9/34

All: 0.888 ± 0.000 χ^2/NDF : 422267426.9/66

dit_sam4_4aY_slope vs Slug, Sign Corrected



Right In: 4.057+/-0.000 χ^2/NDF : 1247888.2/16

Left Out: -18.206+/-0.013 χ^2/NDF :104062.1/15

Right Out: -22.885+/-0.026 χ^2/NDF : 116508.9/18

Left In: -18.859+/-0.011 χ^2/NDF :90531.2/14

Left: -18.587+/-0.008 χ^2/NDF : 196083.6/30

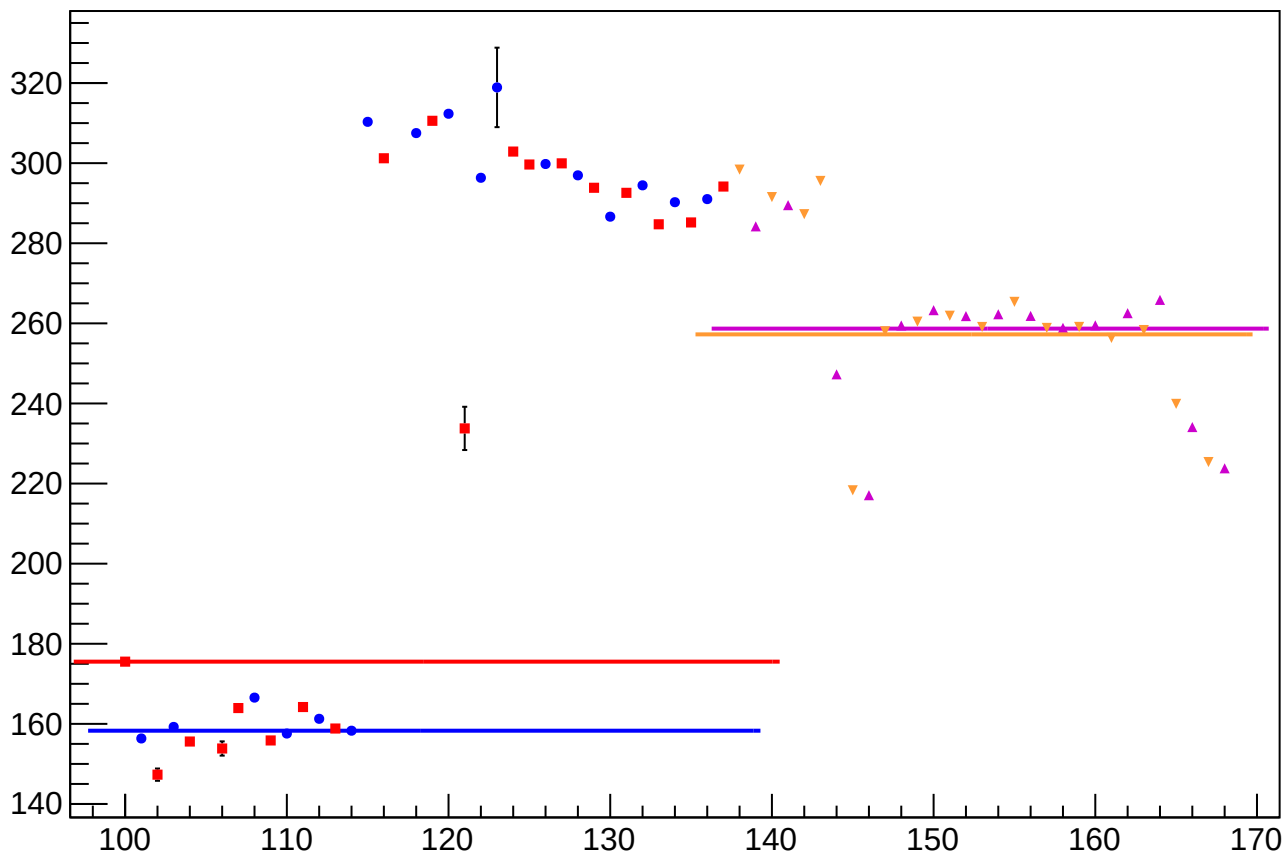
Right: 4.057+/-0.000 χ^2/NDF : 2412173.4/35

In: 4.057+/-0.000 χ^2/NDF :5742572.6/31

Out: -19.114+/-0.012 χ^2/NDF :246041.1/34

All: 4.057+/-0.000 χ^2/NDF : 9980843.1/66

dit_sam4_4eY_slope vs Slug, Sign Corrected



Right In: 158.293+/-0.000 χ^2/NDF : 2410913.3/16

Left Out: 257.249+/-0.034 χ^2/NDF : 361444.5/15

Right Out: 175.536+/-0.000 χ^2/NDF : 2100196.2/18

Left In: 258.685+/-0.032 χ^2/NDF : 134451.6/14

Left: 258.021+/-0.023 χ^2/NDF : 496843.4/30

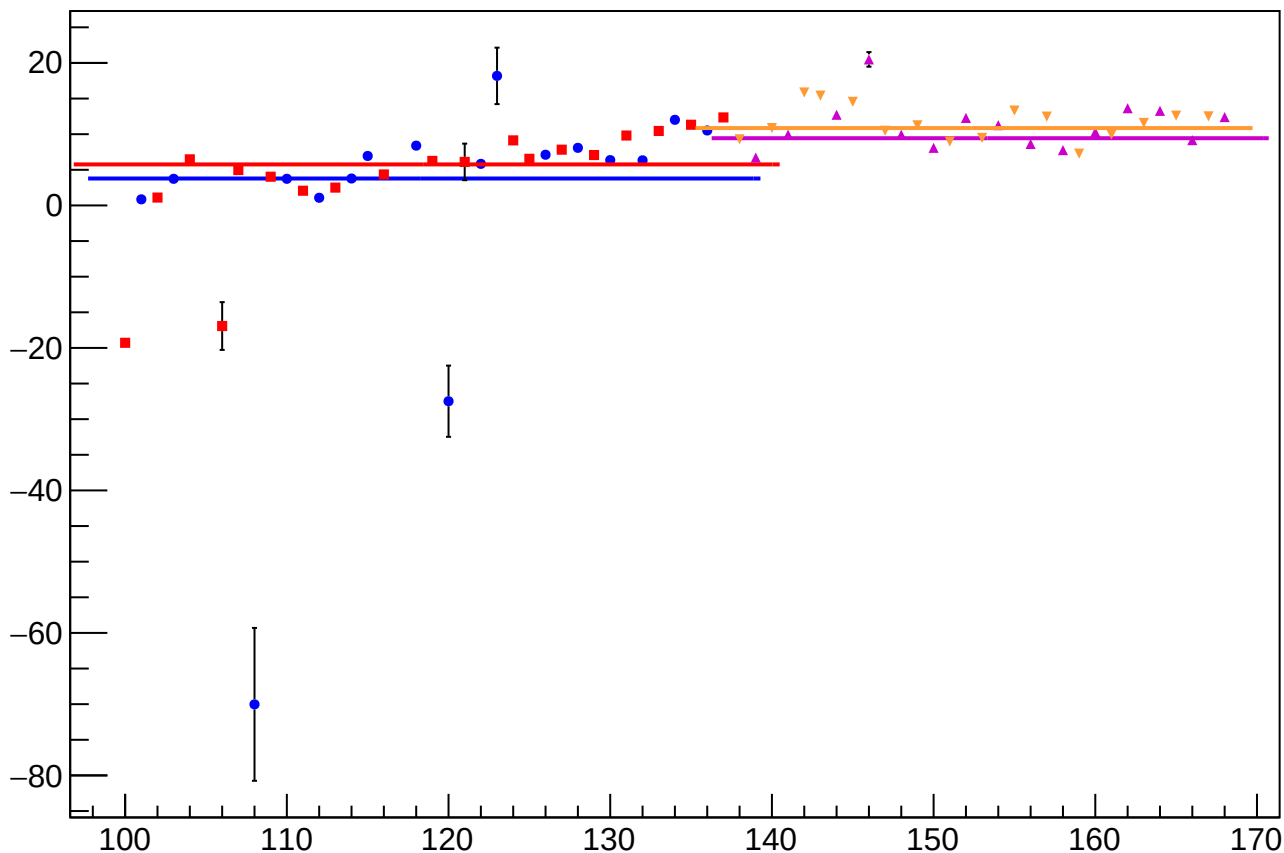
Right: 172.618+/-0.000 χ^2/NDF : 373727491225928

In: 158.293+/-0.000 χ^2/NDF : 12564181.3/31

Out: 175.536+/-0.000 χ^2/NDF : 8164789.9/34

All: 172.618+/-0.000 χ^2/NDF : 373727491225

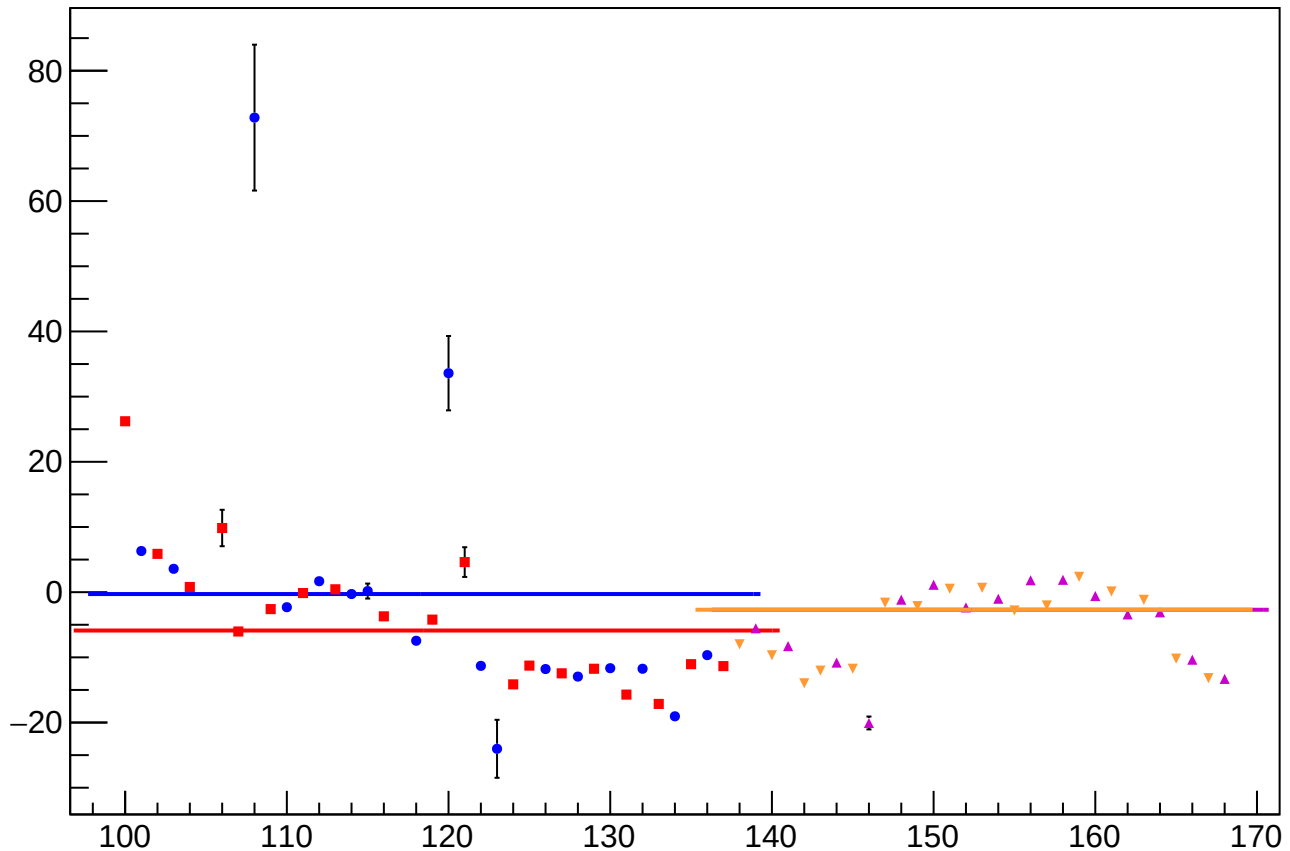
dit_sam5_4aX_slope vs Slug, Sign Corrected



Right In: 3.778 ± 0.000 $\chi^2/\text{NDF}: 6871.4/16$
 Left Out: 10.858 ± 0.035 $\chi^2/\text{NDF}: 2305.9/15$
 Right Out: 5.756 ± 0.026 $\chi^2/\text{NDF}: 22291.6/18$
 Left In: 9.434 ± 0.033 $\chi^2/\text{NDF}: 3483.2/14$

Left: 10.114 ± 0.024 $\chi^2/\text{NDF}: 6660.8/30$
 Right: 3.778 ± 0.000 $\chi^2/\text{NDF}: 35056.1/35$
 In: 3.778 ± 0.000 $\chi^2/\text{NDF}: 39123.8/31$
 Out: 7.558 ± 0.021 $\chi^2/\text{NDF}: 38458.8/34$
 All: 3.778 ± 0.000 $\chi^2/\text{NDF}: 110881.4/66$

dit_sam5_4eX_slope vs Slug, Sign Corrected



Right In: -0.287 ± 0.000 χ^2/NDF : 44276.5/16

Left Out: -2.695 ± 0.035 χ^2/NDF : 14737.9/15

Right Out: -5.882 ± 0.027 χ^2/NDF : 63493.9/18

Left In: -2.698 ± 0.034 χ^2/NDF : 18172.7/14

Left: -2.696 ± 0.024 χ^2/NDF : 32910.6/30

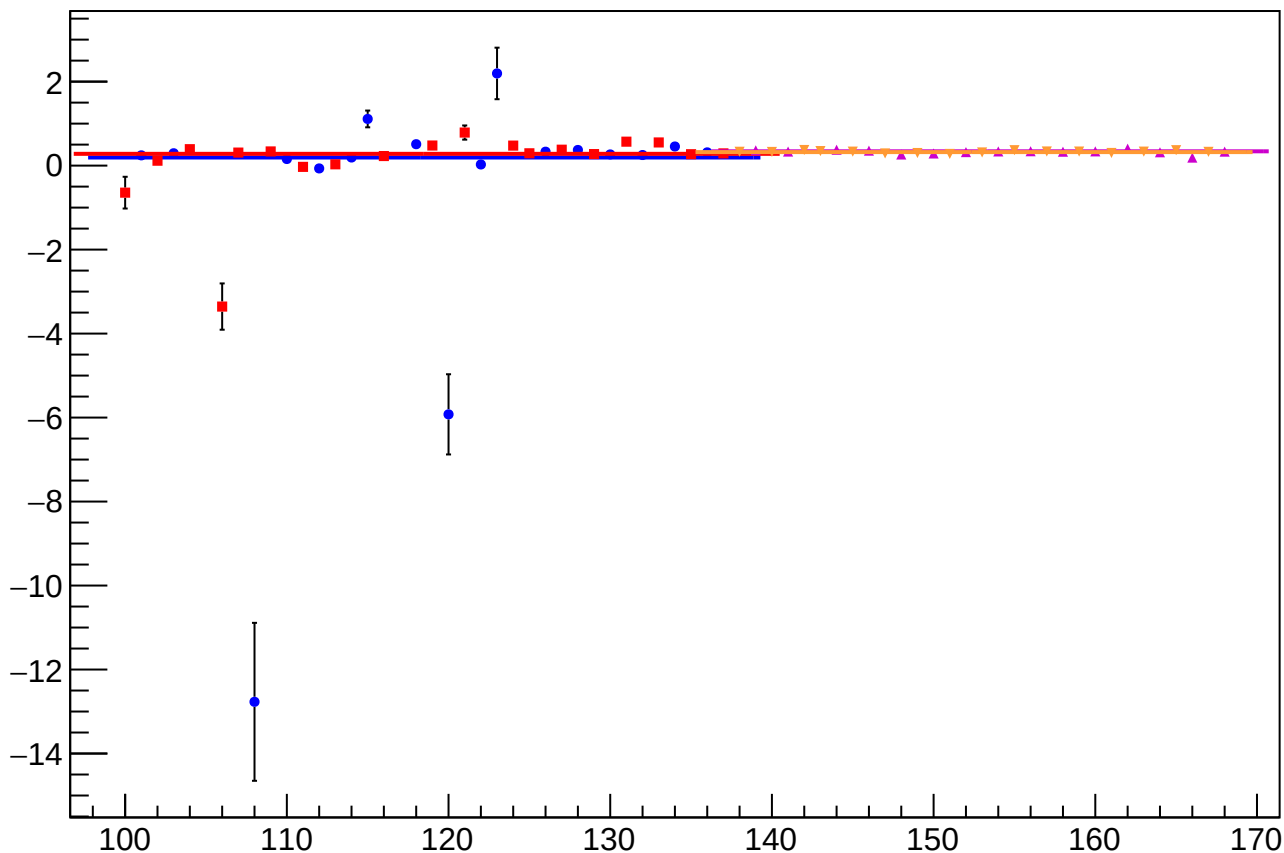
Right: -0.287 ± 0.000 χ^2/NDF : 150060.6/35

In: -0.287 ± 0.000 χ^2/NDF : 67616.3/31

Out: -4.666 ± 0.021 χ^2/NDF : 83465.0/34

All: -0.287 ± 0.000 χ^2/NDF : 192967.4/66

dit_sam5_11X12X_slope vs Slug, Sign Corrected



Right In: 0.193+/-0.000 χ^2/NDF : 10027.5/16

Left Out: 0.322+/-0.001 χ^2/NDF :1426.5/15

Right Out: 0.280+/-0.001 χ^2/NDF : 6059.0/18

Left In: 0.340+/-0.001 χ^2/NDF :3036.0/14

Left: 0.331+/-0.000 χ^2/NDF : 4910.2/30

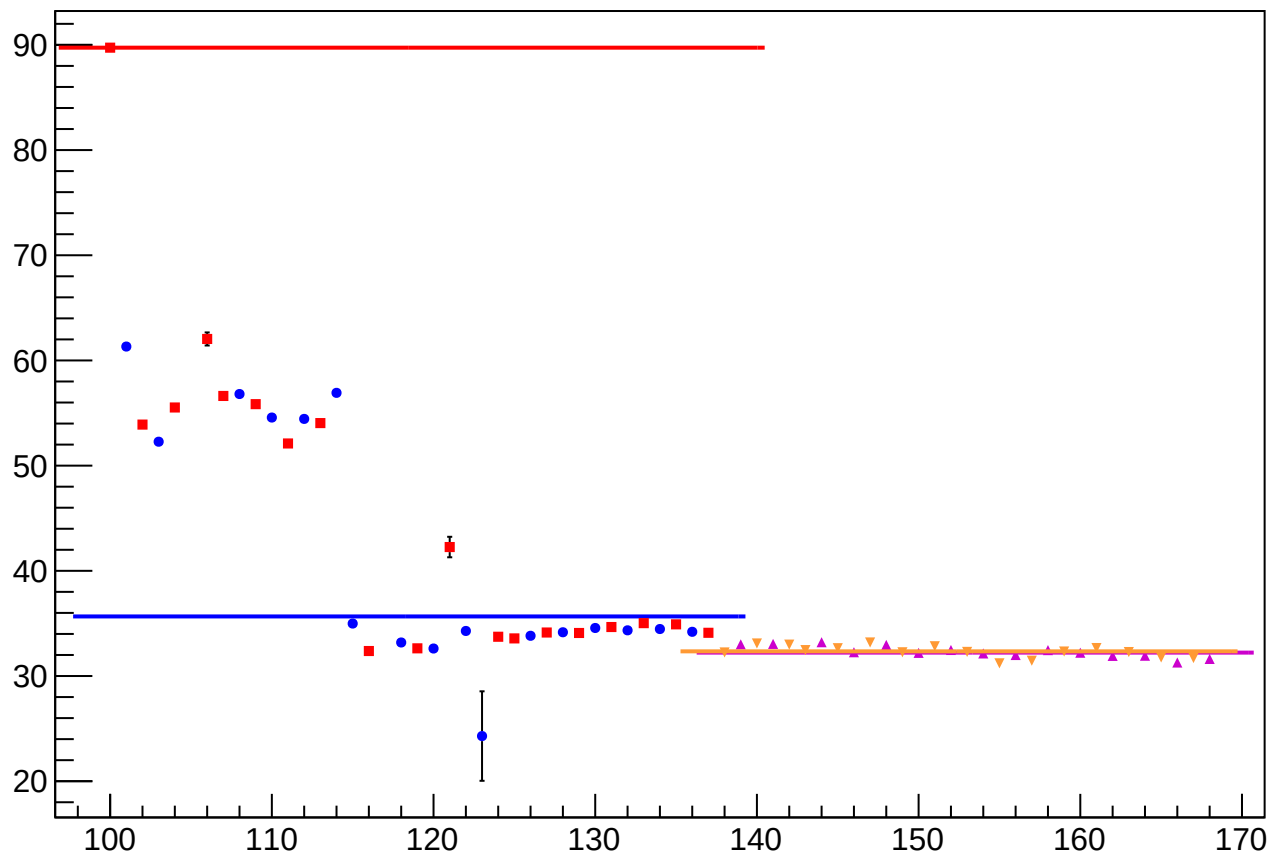
Right: 0.193+/-0.000 χ^2/NDF : 19578.7/35

In: 0.193+/-0.000 χ^2/NDF :68767.5/31

Out: 0.316+/-0.001 χ^2/NDF :8151.8/34

All: 0.193+/-0.000 χ^2/NDF : 122740.7/66

dit_sam5_4aY_slope vs Slug, Sign Corrected



Right In: 35.664 $\pm$ 0.011 χ^2 /NDF: 218662.5/16

Left Out: 32.345 $\pm$ 0.004 χ^2 /NDF: 5298.9/15

Right Out: 89.735 $\pm$ 0.000 χ^2 /NDF: 25801560.6/18

Left In: 32.225 $\pm$ 0.004 χ^2 /NDF: 8900.5/14

Left: 32.279 $\pm$ 0.003 χ^2 /NDF: 14653.2/30

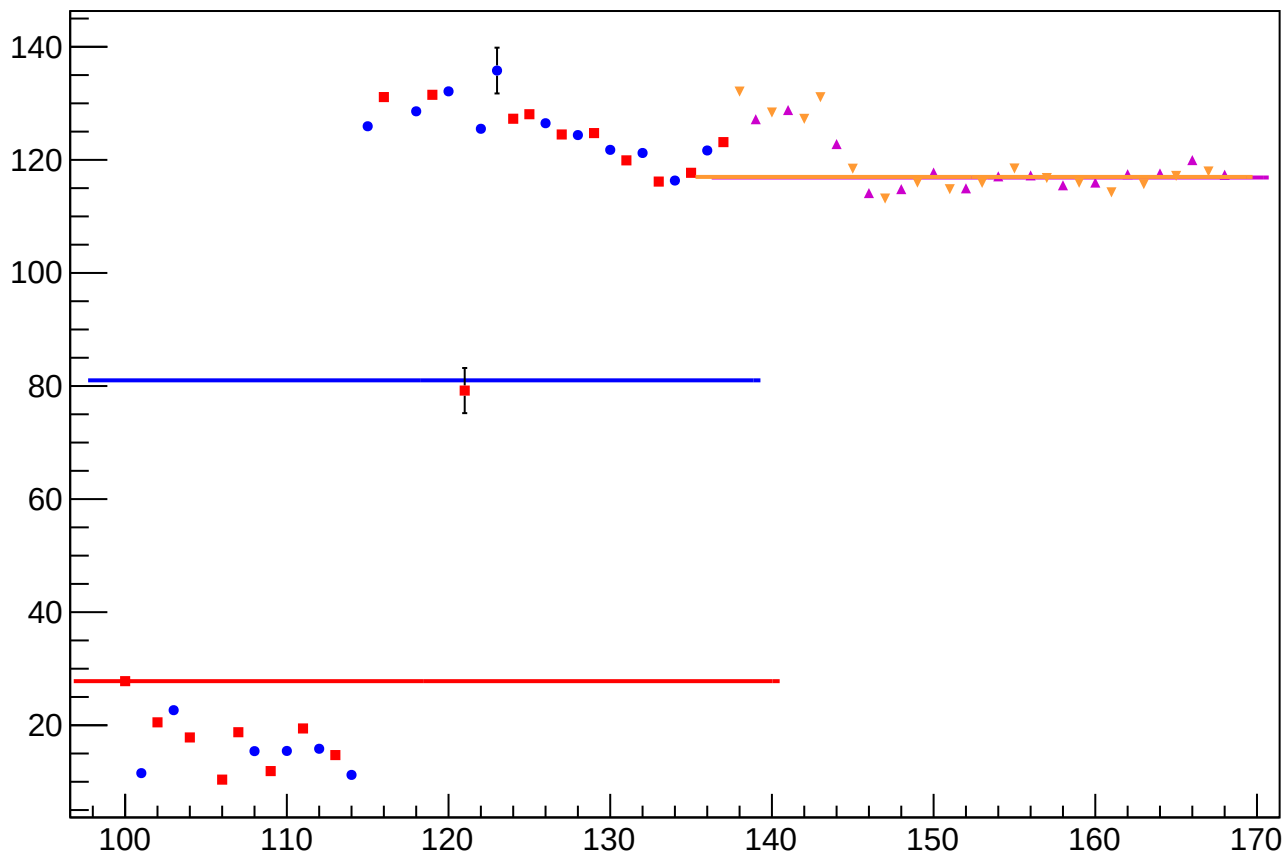
Right: 89.735 $\pm$ 0.000 χ^2 /NDF: 48650023.7/35

In: 32.568 $\pm$ 0.004 χ^2 /NDF: 309970.7/31

Out: 89.735 $\pm$ 0.000 χ^2 /NDF: 214420918.4/34

All: 89.735 $\pm$ 0.000 χ^2 /NDF: 468655203.7/66

dit_sam5_4eY_slope vs Slug, Sign Corrected



Right In: 81.005+/-0.035 χ^2 /NDF: 2228881.4/16

Left Out: 116.987+/-0.010 χ^2 /NDF:139035.2/15

Right Out: 27.798+/-0.000 χ^2 /NDF: 9183707.8/18

Left In: 116.881+/-0.009 χ^2 /NDF:41880.9/14

Left: 116.933+/-0.007 χ^2 /NDF: 180977.7/30

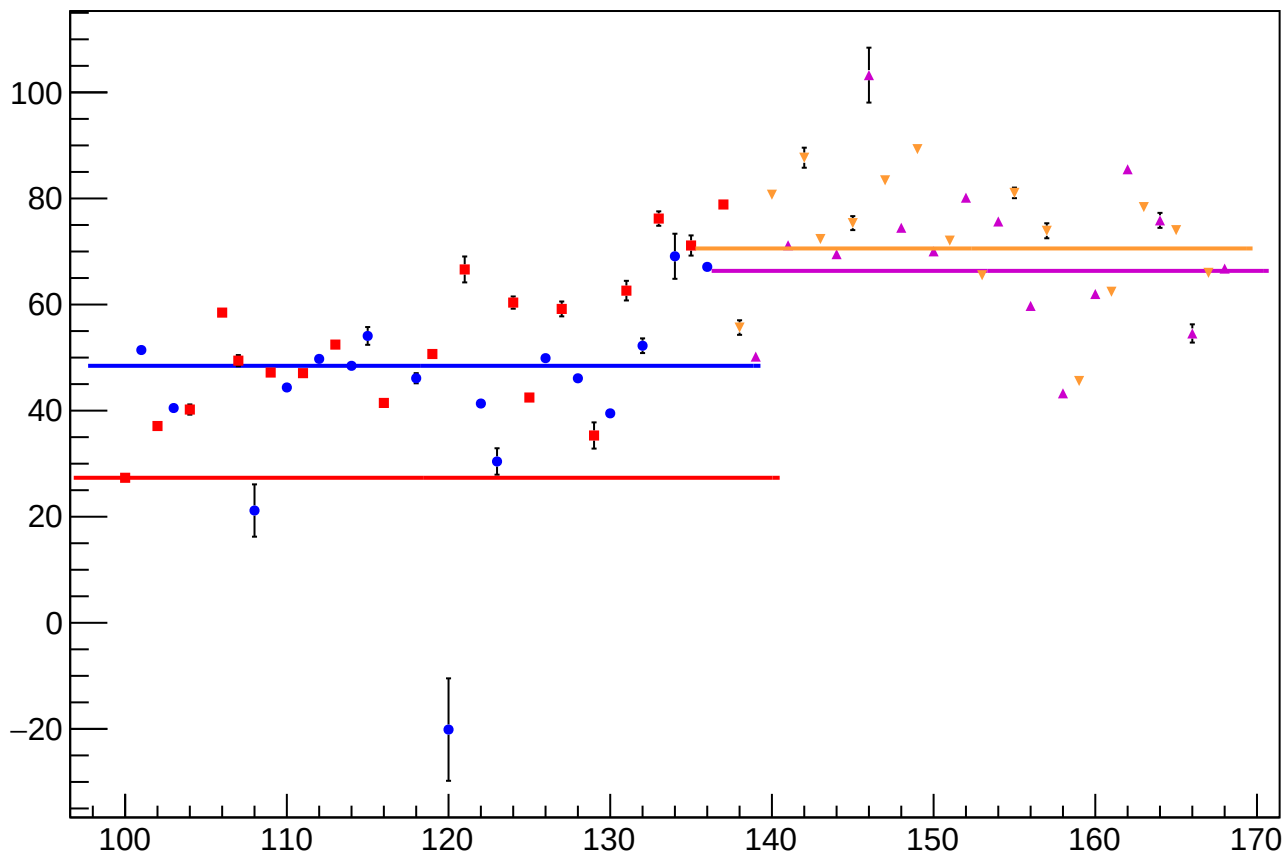
Right: 27.798+/-0.000 χ^2 /NDF: 13786729.0/35

In: 114.388+/-0.009 χ^2 /NDF:3275122.6/31

Out: 27.798+/-0.000 χ^2 /NDF:96263353.7/34

All: 27.798+/-0.000 χ^2 /NDF: 190024739.6/66

dit_sam6_4aX_slope vs Slug, Sign Corrected



Right In: 48.450 ± 0.000 χ^2/NDF : 2751.4/16

Left Out: 70.574 ± 0.189 χ^2/NDF : 4037.2/15

Right Out: 27.342 ± 0.000 χ^2/NDF : 25810.4/18

Left In: 66.349 ± 0.166 χ^2/NDF : 4332.8/14

Left: 68.191 ± 0.125 χ^2/NDF : 8651.5/30

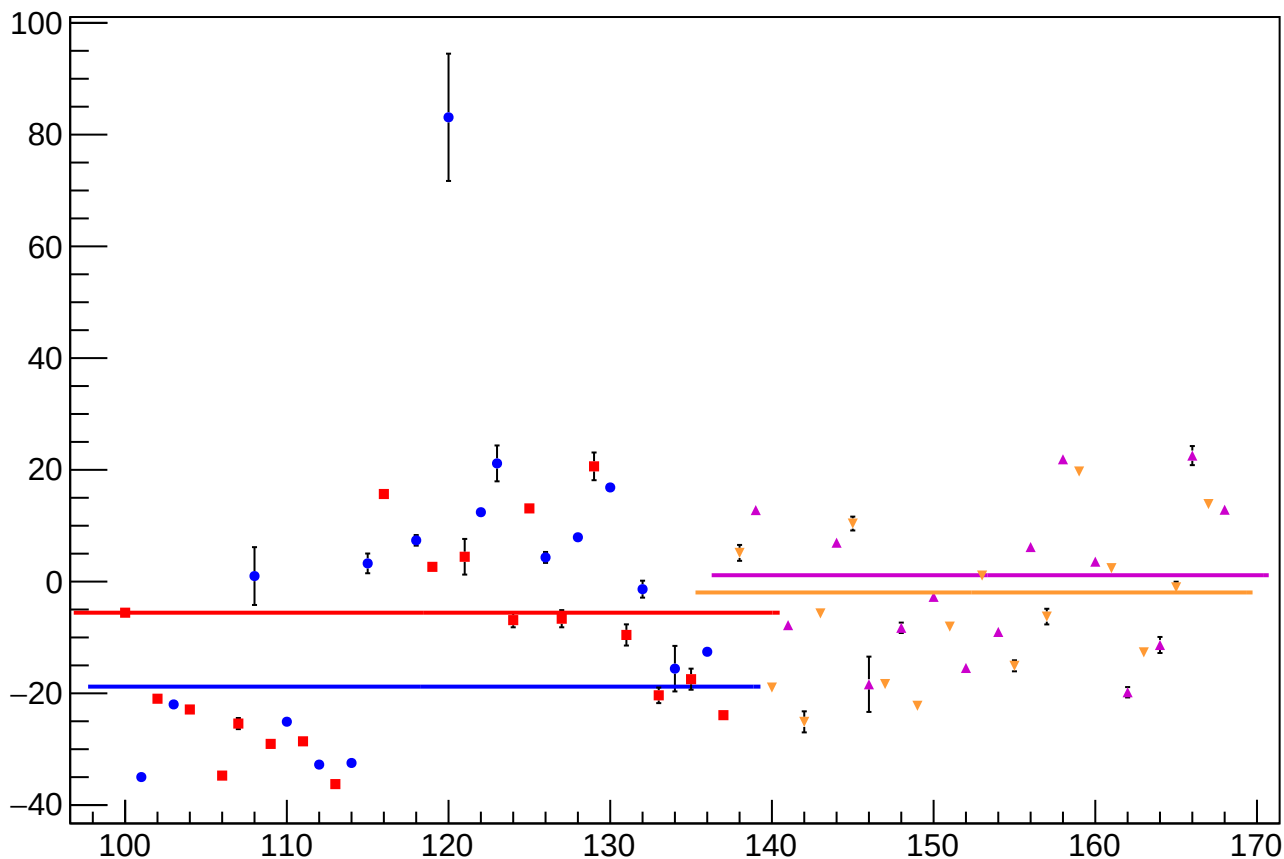
Right: 28.365 ± 0.000 χ^2/NDF : 1026290104888328

In: 48.450 ± 0.000 χ^2/NDF : 18673.1/31

Out: 27.342 ± 0.000 χ^2/NDF : 82091.8/34

All: 28.365 ± 0.000 χ^2/NDF : 1026290104888

dit_sam6_4eX_slope vs Slug, Sign Corrected



Right In: -18.800 ± 0.148 $\chi^2/\text{NDF}: 11764.7/16$

Left Out: -1.947 ± 0.188 $\chi^2/\text{NDF}: 5770.8/15$

Right Out: -5.568 ± 0.000 $\chi^2/\text{NDF}: 23097.3/18$

Left In: 1.140 ± 0.164 $\chi^2/\text{NDF}: 4625.5/14$

Left: -0.201 ± 0.124 $\chi^2/\text{NDF}: 10549.2/30$

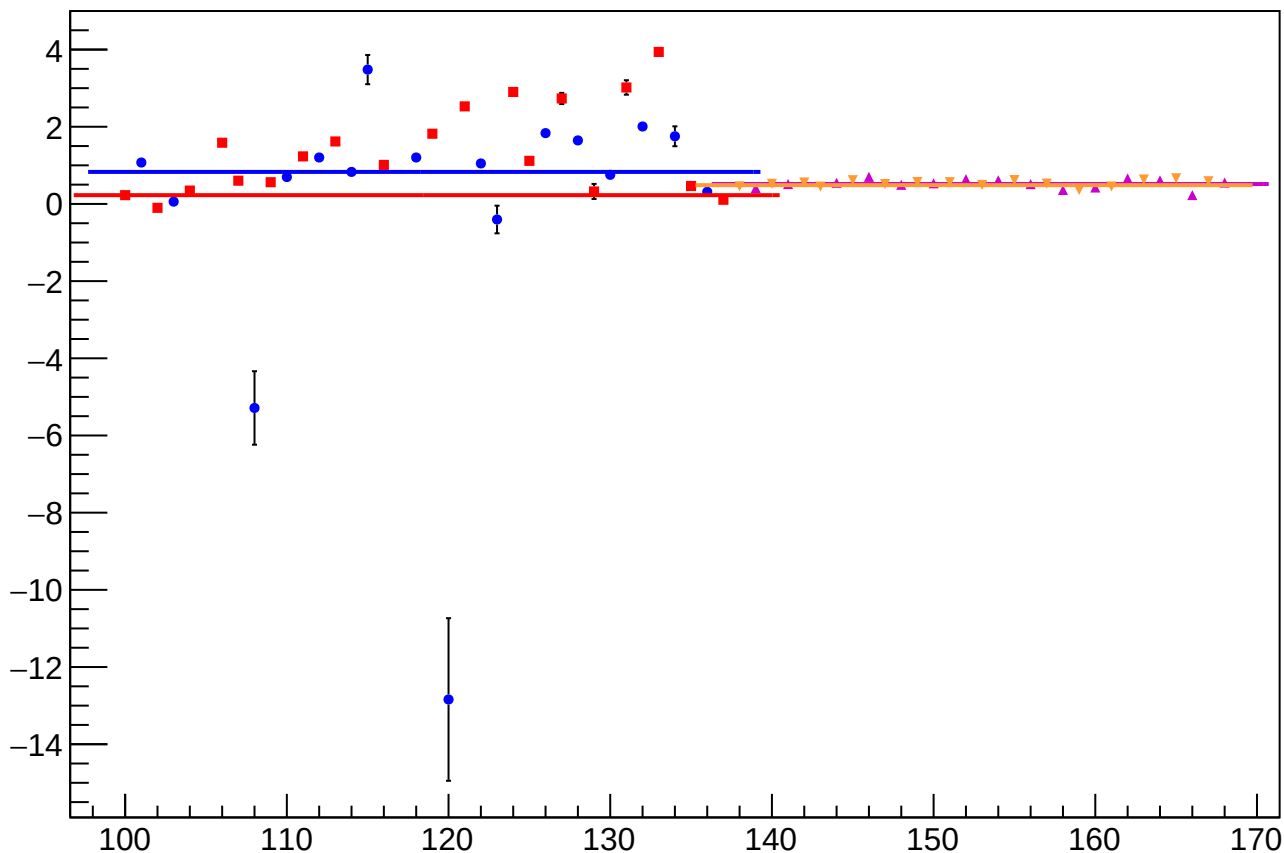
Right: -5.568 ± 0.000 $\chi^2/\text{NDF}: 42808.5/35$

In: -9.849 ± 0.110 $\chi^2/\text{NDF}: 24490.7/31$

Out: -5.568 ± 0.000 $\chi^2/\text{NDF}: 29240.2/34$

All: -5.568 ± 0.000 $\chi^2/\text{NDF}: 55240.2/66$

dit_sam6_11X12X_slope vs Slug, Sign Corrected



Right In: 0.830 $\pm$ 0.000 χ^2 /NDF: 14882.7/16

Left Out: 0.487 $\pm$ 0.001 χ^2 /NDF: 6311.8/15

Right Out: 0.227 $\pm$ 0.000 χ^2 /NDF: 11819.9/18

Left In: 0.516 $\pm$ 0.001 χ^2 /NDF: 7892.0/14

Left: 0.502 $\pm$ 0.001 χ^2 /NDF: 14508.7/30

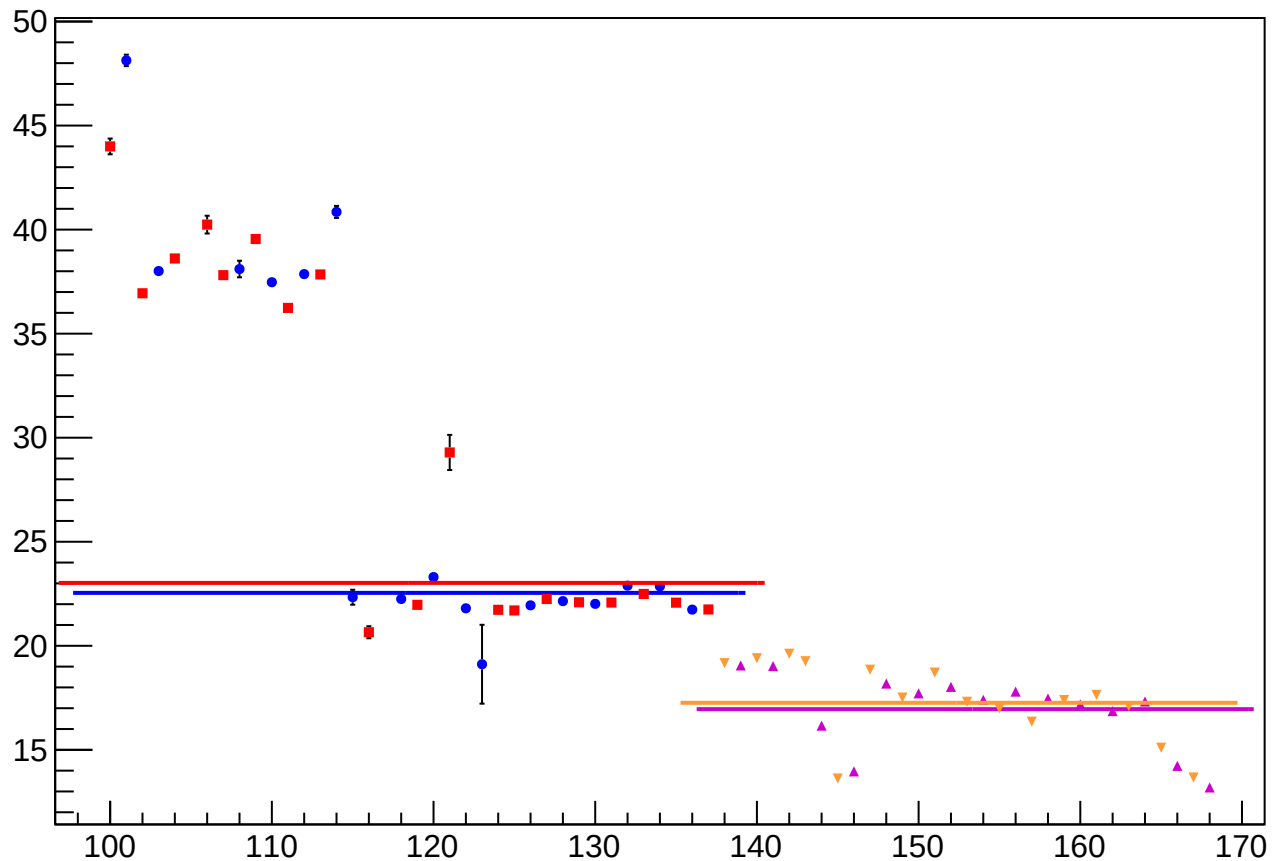
Right: 0.289 $\pm$ 0.000 χ^2 /NDF: 29066082561457147

In: 0.830 $\pm$ 0.000 χ^2 /NDF: 99976.1/31

Out: 0.227 $\pm$ 0.000 χ^2 /NDF: 63785.9/34

All: 0.289 $\pm$ 0.000 χ^2 /NDF: 29066082561457

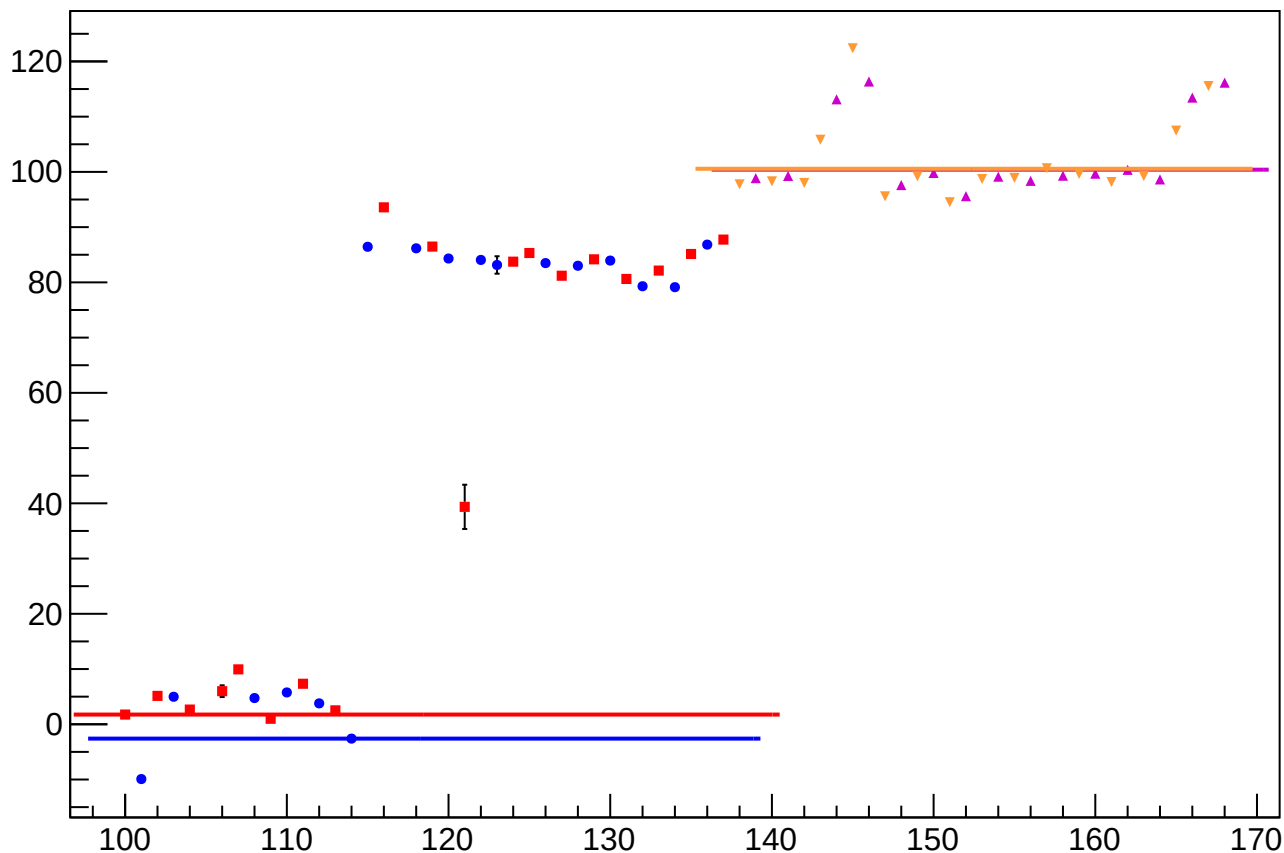
dit_sam6_4aY_slope vs Slug, Sign Corrected



Right In: 22.543 ± 0.009 $\chi^2/\text{NDF}: 105452.8/16$
 Left Out: 17.261 ± 0.006 $\chi^2/\text{NDF}: 102264.5/15$
 Right Out: 23.023 ± 0.009 $\chi^2/\text{NDF}: 165838.0/18$
 Left In: 16.955 ± 0.006 $\chi^2/\text{NDF}: 82482.8/14$

Left: 17.124 ± 0.004 $\chi^2/\text{NDF}: 186051.1/30$
 Right: 22.790 ± 0.006 $\chi^2/\text{NDF}: 272655.1/35$
 In: 18.705 ± 0.005 $\chi^2/\text{NDF}: 435371.4/31$
 Out: 18.882 ± 0.005 $\chi^2/\text{NDF}: 559627.0/34$
 All: 18.801 ± 0.004 $\chi^2/\text{NDF}: 995628.6/66$

dit_sam6_4eY_slope vs Slug, Sign Corrected



Right In: -2.596 ± 0.000 χ^2/NDF : 7395182.7/16

Left Out: 100.568 ± 0.012 χ^2/NDF : 211395.3/15

Right Out: 1.758 ± 0.000 χ^2/NDF : 4230949.4/18

Left In: 100.402 ± 0.012 χ^2/NDF : 170174.7/14

Left: 100.484 ± 0.009 χ^2/NDF : 381661.3/30

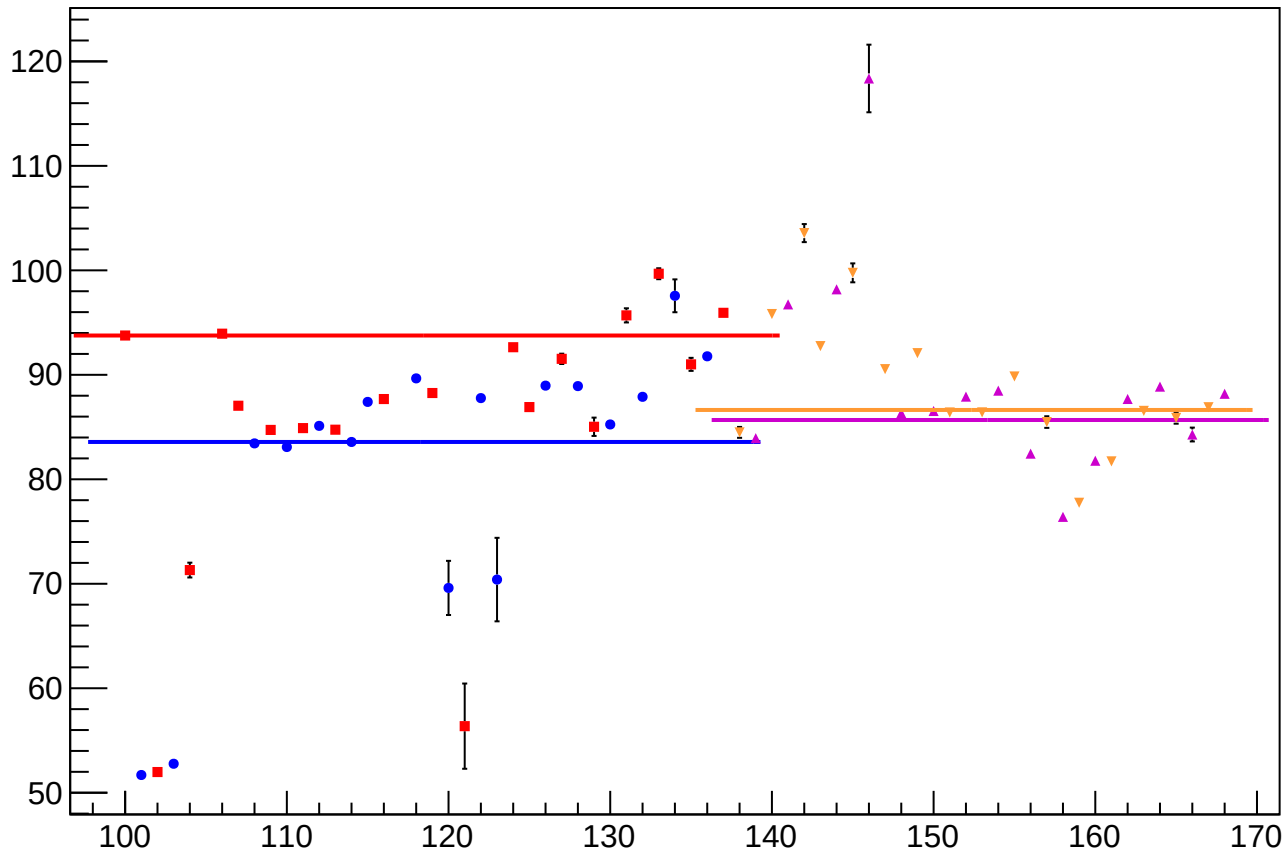
Right: -1.059 ± 0.000 χ^2/NDF : 3731791751577379

In: -2.596 ± 0.000 χ^2/NDF : 78562848.2/31

Out: 1.758 ± 0.000 χ^2/NDF : 67903190.5/34

All: -1.059 ± 0.000 χ^2/NDF : 3731791751577

dit_sam7_4aX_slope vs Slug, Sign Corrected



Right In: 83.573 $\pm$ 0.000 χ^2 /NDF: 49468.0/16

Left Out: 86.636 $\pm$ 0.075 χ^2 /NDF: 5594.0/15

Right Out: 93.762 $\pm$ 0.000 χ^2 /NDF: 82848.8/18

Left In: 85.676 $\pm$ 0.062 χ^2 /NDF: 6143.9/14

Left: 86.063 $\pm$ 0.048 χ^2 /NDF: 11835.6/30

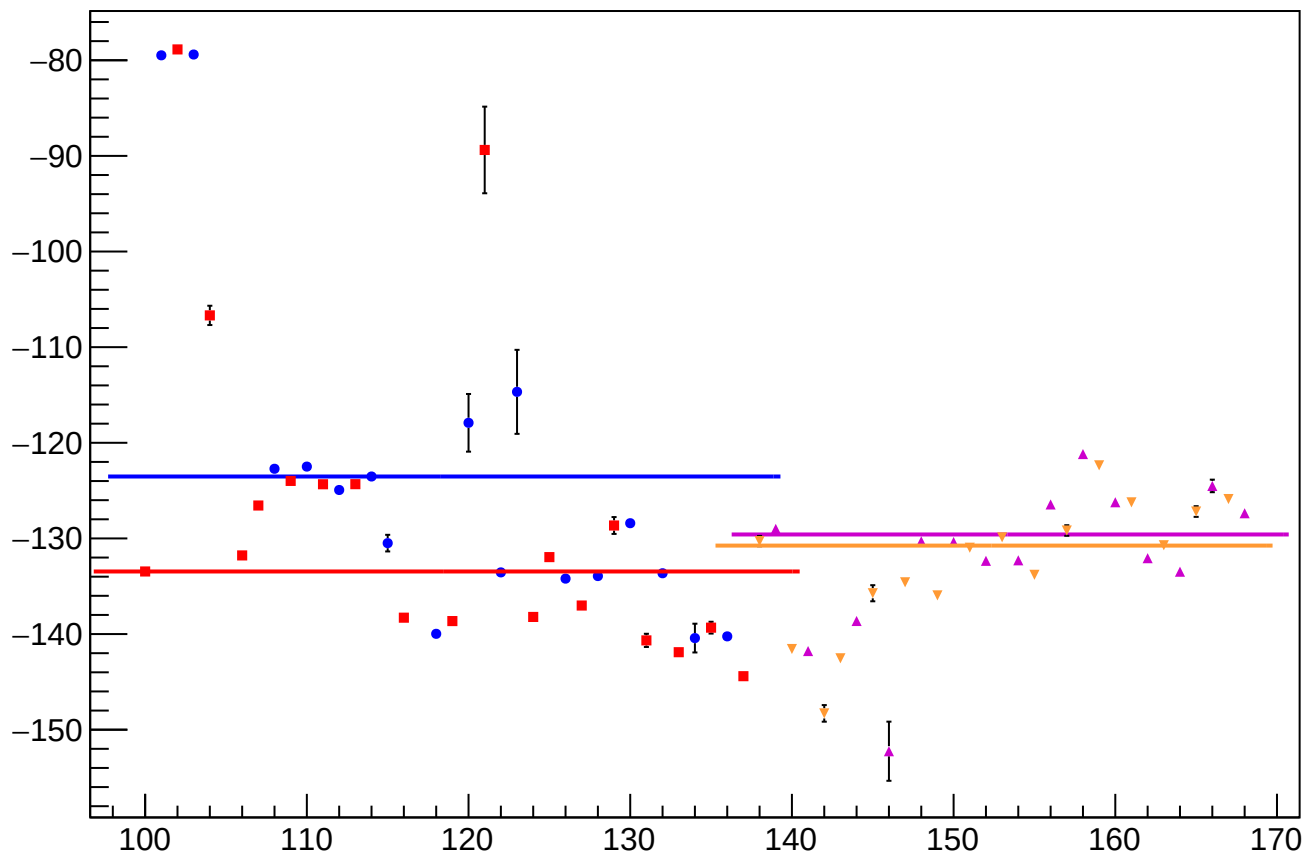
Right: 87.169 $\pm$ 0.000 χ^2 /NDF: 1995684404141260

In: 83.573 $\pm$ 0.000 χ^2 /NDF: 56773.1/31

Out: 93.762 $\pm$ 0.000 χ^2 /NDF: 97452.4/34

All: 87.169 $\pm$ 0.000 χ^2 /NDF: 1995684404141260

dit_sam7_4eX_slope vs Slug, Sign Corrected



Right In: -123.524 ± 0.000 $\chi^2/\text{NDF}: 160356.5/16$

Left Out: -130.749 ± 0.074 $\chi^2/\text{NDF}: 7800.5/15$

Right Out: -133.456 ± 0.000 $\chi^2/\text{NDF}: 394896.3/18$

Left In: -129.586 ± 0.061 $\chi^2/\text{NDF}: 5378.9/14$

Left: -130.050 ± 0.047 $\chi^2/\text{NDF}: 13326.4/30$

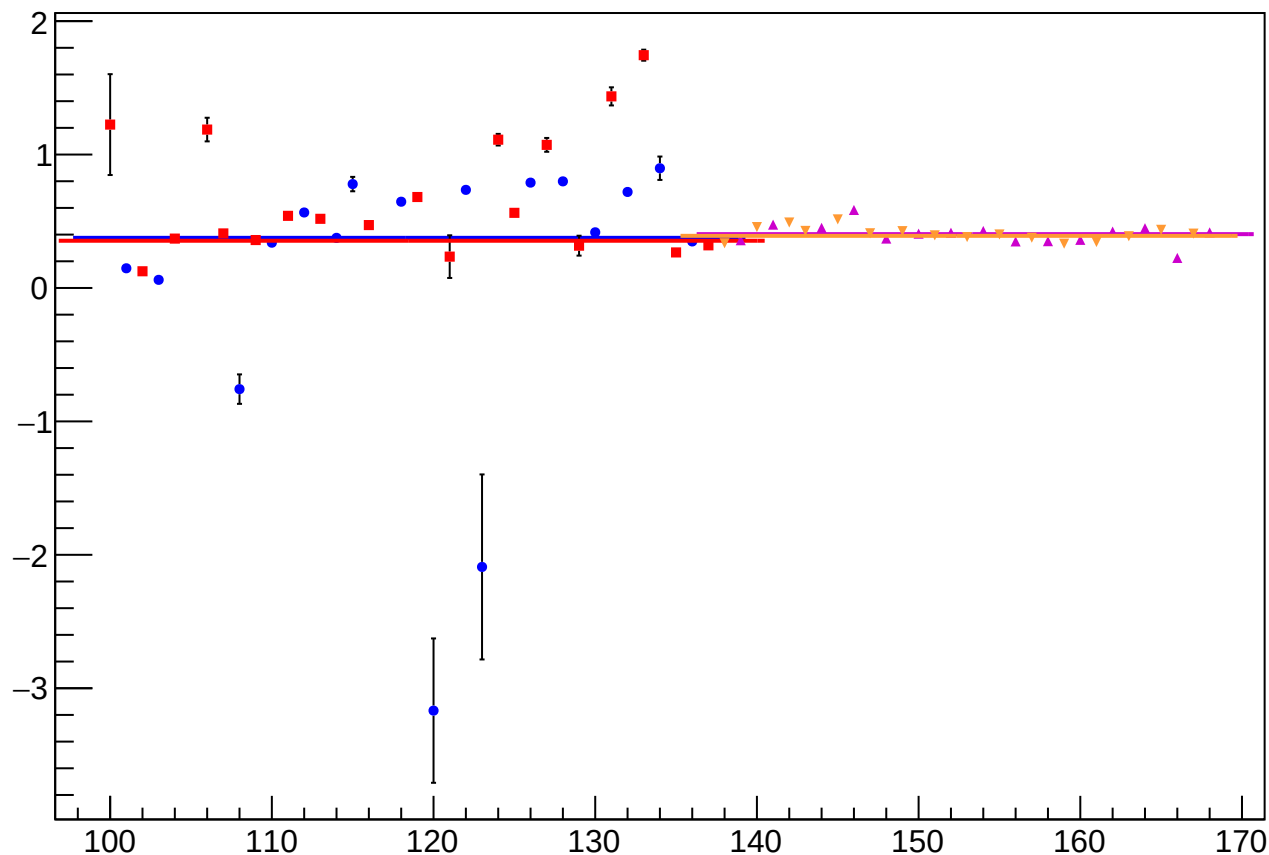
Right: -124.716 ± 0.000 $\chi^2/\text{NDF}: 64467869901657$

In: -123.524 ± 0.000 $\chi^2/\text{NDF}: 175743.2/31$

Out: -133.456 ± 0.000 $\chi^2/\text{NDF}: 404022.0/34$

All: -124.716 ± 0.000 $\chi^2/\text{NDF}: 64467869901$

dit_sam7_11X12X_slope vs Slug, Sign Corrected



Right In: 0.376 $\pm$ 0.000 χ^2 /NDF: 3961.7/16

Left Out: 0.391 $\pm$ 0.001 χ^2 /NDF: 4722.6/15

Right Out: 0.354 $\pm$ 0.002 χ^2 /NDF: 4592.7/18

Left In: 0.403 $\pm$ 0.001 χ^2 /NDF: 6181.5/14

Left: 0.398 $\pm$ 0.000 χ^2 /NDF: 11174.3/30

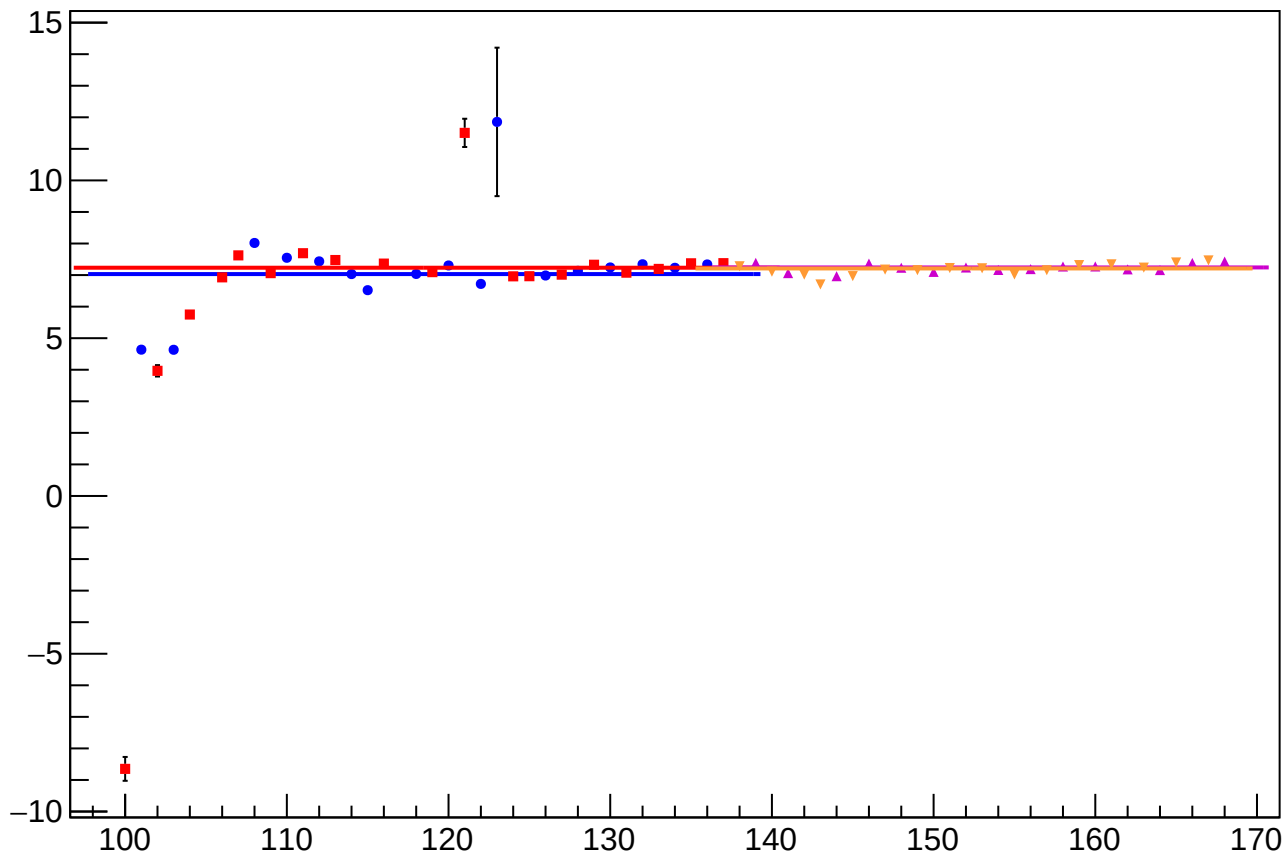
Right: 0.376 $\pm$ 0.000 χ^2 /NDF: 8762.1/35

In: 0.376 $\pm$ 0.000 χ^2 /NDF: 13139.1/31

Out: 0.386 $\pm$ 0.001 χ^2 /NDF: 9832.5/34

All: 0.376 $\pm$ 0.000 χ^2 /NDF: 23334.4/66

dit_sam7_4aY_slope vs Slug, Sign Corrected



Right In: 7.032 $\pm$ 0.000 χ^2 /NDF: 19770.1/16

Left Out: 7.210 $\pm$ 0.001 χ^2 /NDF: 26527.0/15

Right Out: 7.233 $\pm$ 0.002 χ^2 /NDF: 10061.8/18

Left In: 7.242 $\pm$ 0.001 χ^2 /NDF: 17860.3/14

Left: 7.228 $\pm$ 0.001 χ^2 /NDF: 44985.5/30

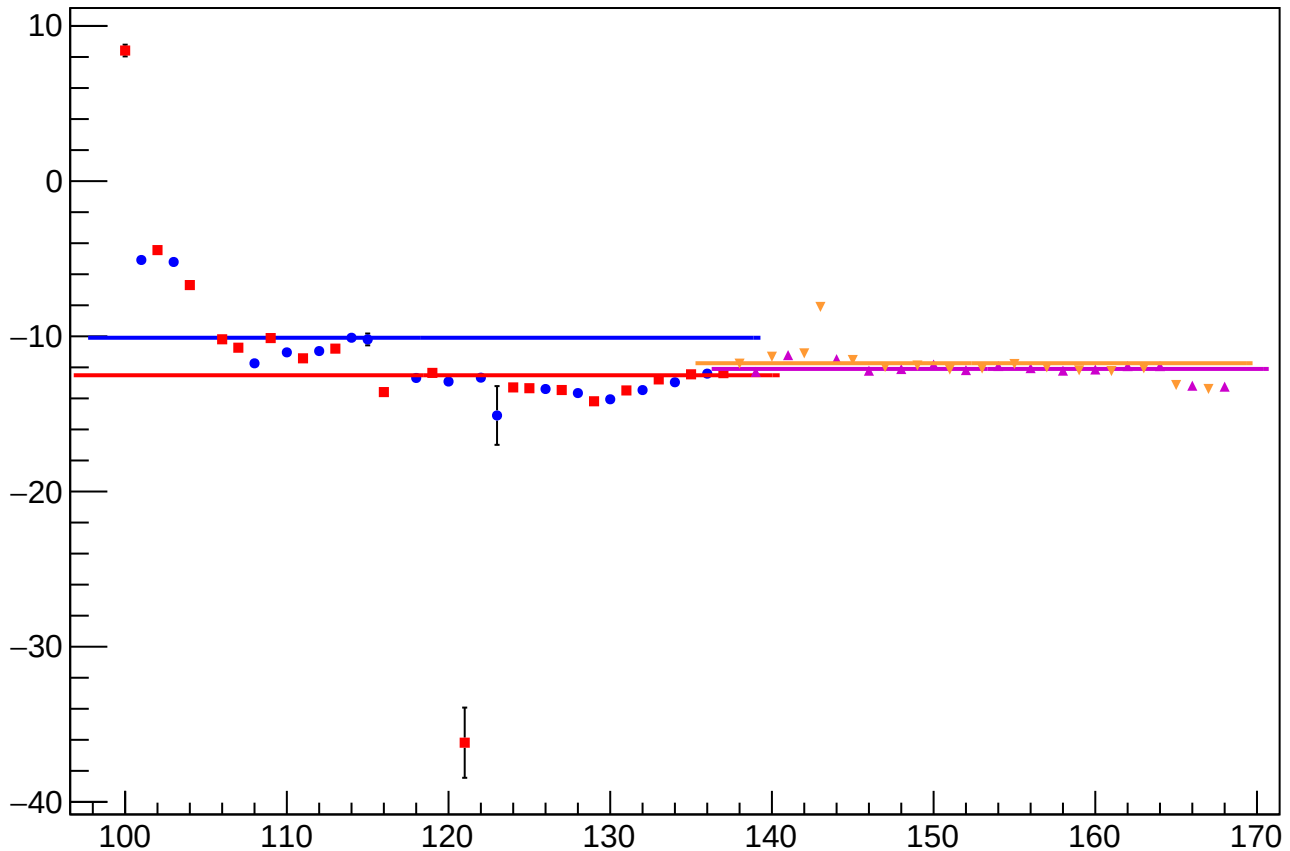
Right: 7.032 $\pm$ 0.000 χ^2 /NDF: 36990.7/35

In: 7.032 $\pm$ 0.000 χ^2 /NDF: 94675.2/31

Out: 7.213 $\pm$ 0.001 χ^2 /NDF: 36670.3/34

All: 7.032 $\pm$ 0.000 χ^2 /NDF: 170912.8/66

dit_sam7_4eY_slope vs Slug, Sign Corrected



Right In: -10.092 ± 0.000 χ^2/NDF : 543504.2/16

Left Out: -11.733 ± 0.002 χ^2/NDF : 438986.8/15

Right Out: -12.509 ± 0.004 χ^2/NDF : 103509.4/18

Left In: -12.101 ± 0.002 χ^2/NDF : 29498.8/14

Left: -11.921 ± 0.001 χ^2/NDF : 488242.2/30

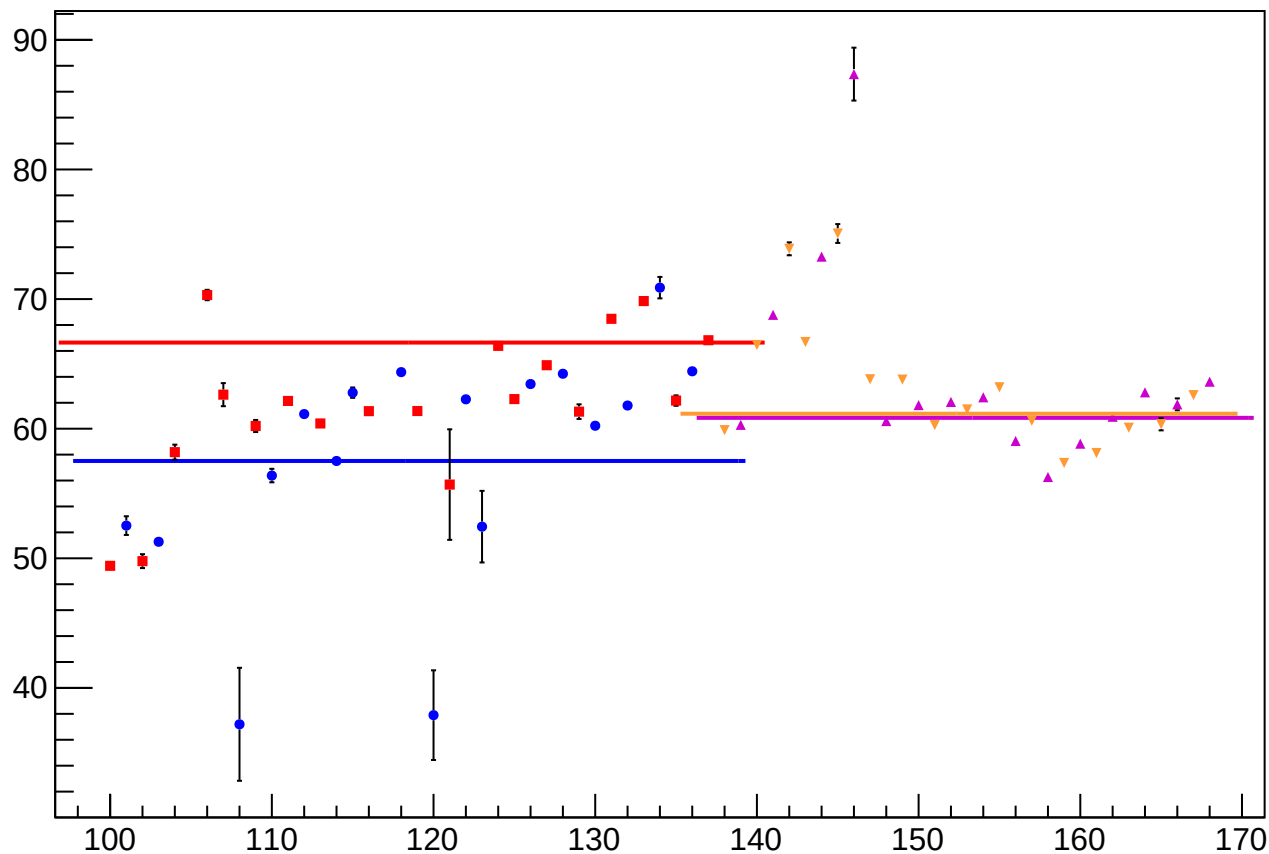
Right: -10.092 ± 0.000 χ^2/NDF : 1062248.5/35

In: -10.092 ± 0.000 χ^2/NDF : 1775968.1/31

Out: -11.887 ± 0.002 χ^2/NDF : 576761.4/34

All: -10.092 ± 0.000 χ^2/NDF : 3503893.9/66

dit_sam8_4aX_slope vs Slug, Sign Corrected



Right In: 57.510 $\pm$ 0.000 χ^2 /NDF: 8108.6/16

Left Out: 61.156 $\pm$ 0.045 χ^2 /NDF:5234.0/15

Right Out: 66.645 $\pm$ 0.013 χ^2 /NDF: 8163.8/18

Left In: 60.837 $\pm$ 0.037 χ^2 /NDF:5860.3/14

Left: 60.965 $\pm$ 0.028 χ^2 /NDF: 11124.6/30

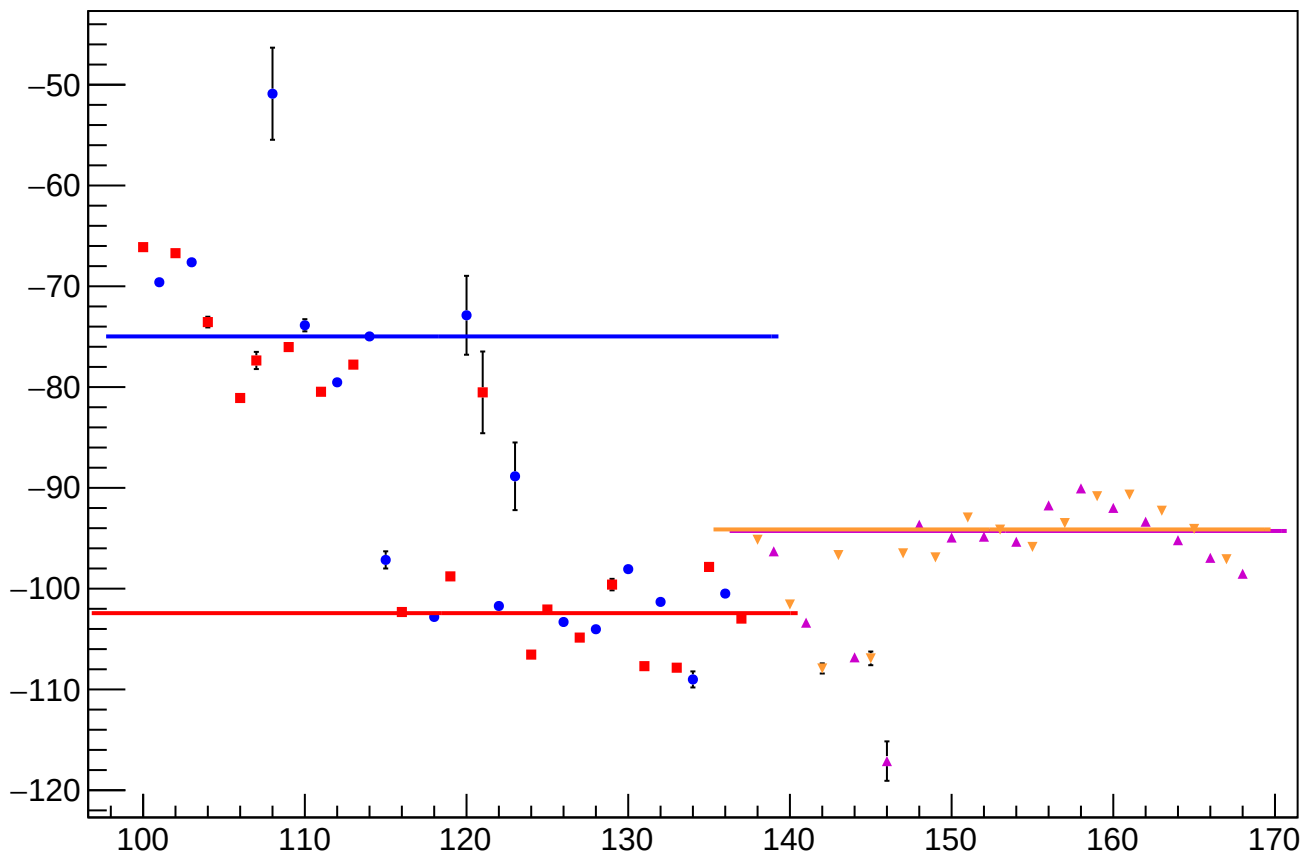
Right: 57.510 $\pm$ 0.000 χ^2 /NDF: 504438.3/35

In: 57.510 $\pm$ 0.000 χ^2 /NDF:22145.9/31

Out: 66.215 $\pm$ 0.013 χ^2 /NDF:27201.6/34

All: 57.510 $\pm$ 0.000 χ^2 /NDF: 530321.3/66

dit_sam8_4eX_slope vs Slug, Sign Corrected



Right In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 130544.0/16$

Left Out: -94.124 ± 0.045 $\chi^2/\text{NDF}: 5120.7/15$

Right Out: -102.430 ± 0.018 $\chi^2/\text{NDF}: 50377.5/18$

Left In: -94.278 ± 0.037 $\chi^2/\text{NDF}: 6687.0/14$

Left: -94.215 ± 0.029 $\chi^2/\text{NDF}: 11814.6/30$

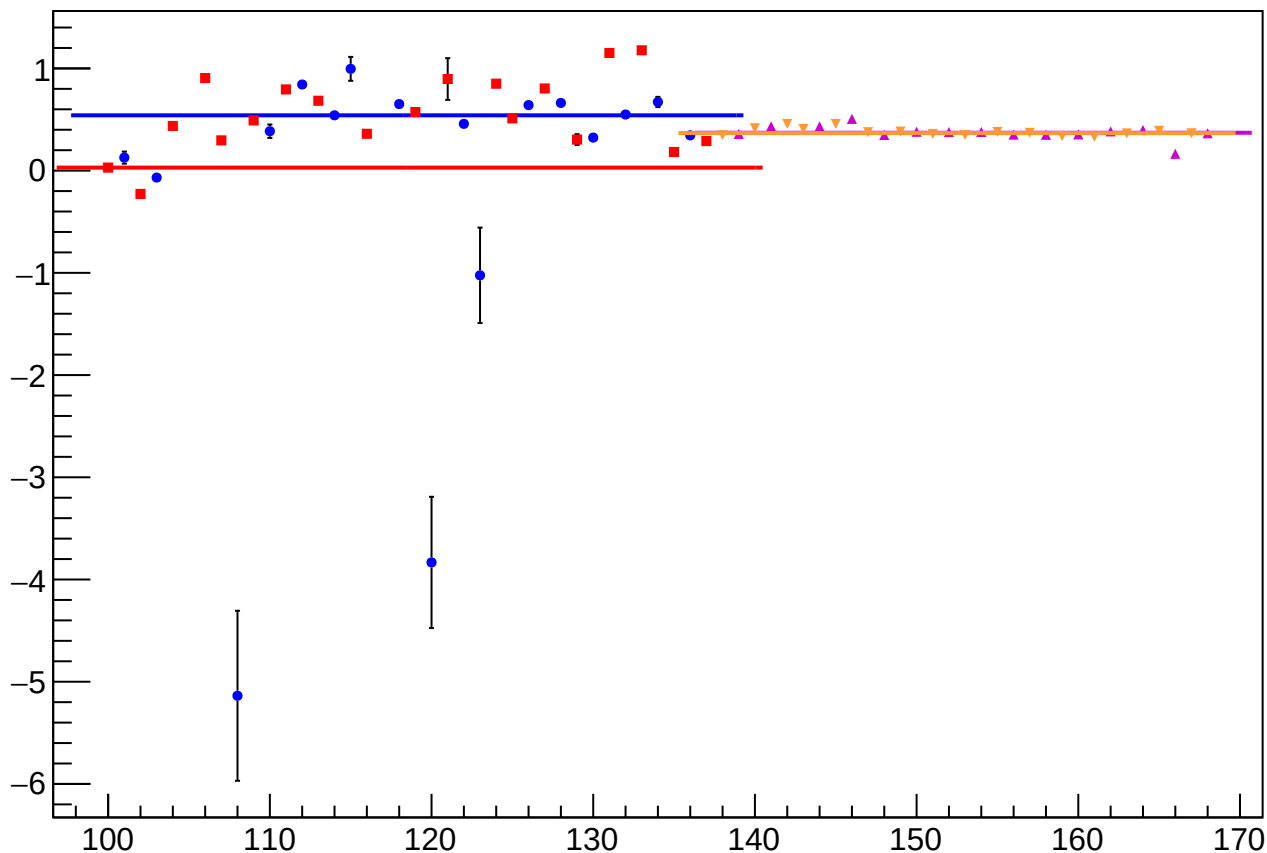
Right: -74.974 ± 0.000 $\chi^2/\text{NDF}: 2556524.2/35$

In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 406700.1/31$

Out: -101.297 ± 0.017 $\chi^2/\text{NDF}: 85148.2/34$

All: -74.974 ± 0.000 $\chi^2/\text{NDF}: 3020317.9/66$

dit_sam8_11X12X_slope vs Slug, Sign Corrected



Right In: 0.541+/-0.000 χ^2/NDF : 29180.5/16

Left Out: 0.367+/-0.000 χ^2/NDF :3055.9/15

Right Out: 0.030+/-0.000 χ^2/NDF : 121659.5/18

Left In: 0.371+/-0.000 χ^2/NDF :5063.1/14

Left: 0.369+/-0.000 χ^2/NDF : 8164.9/30

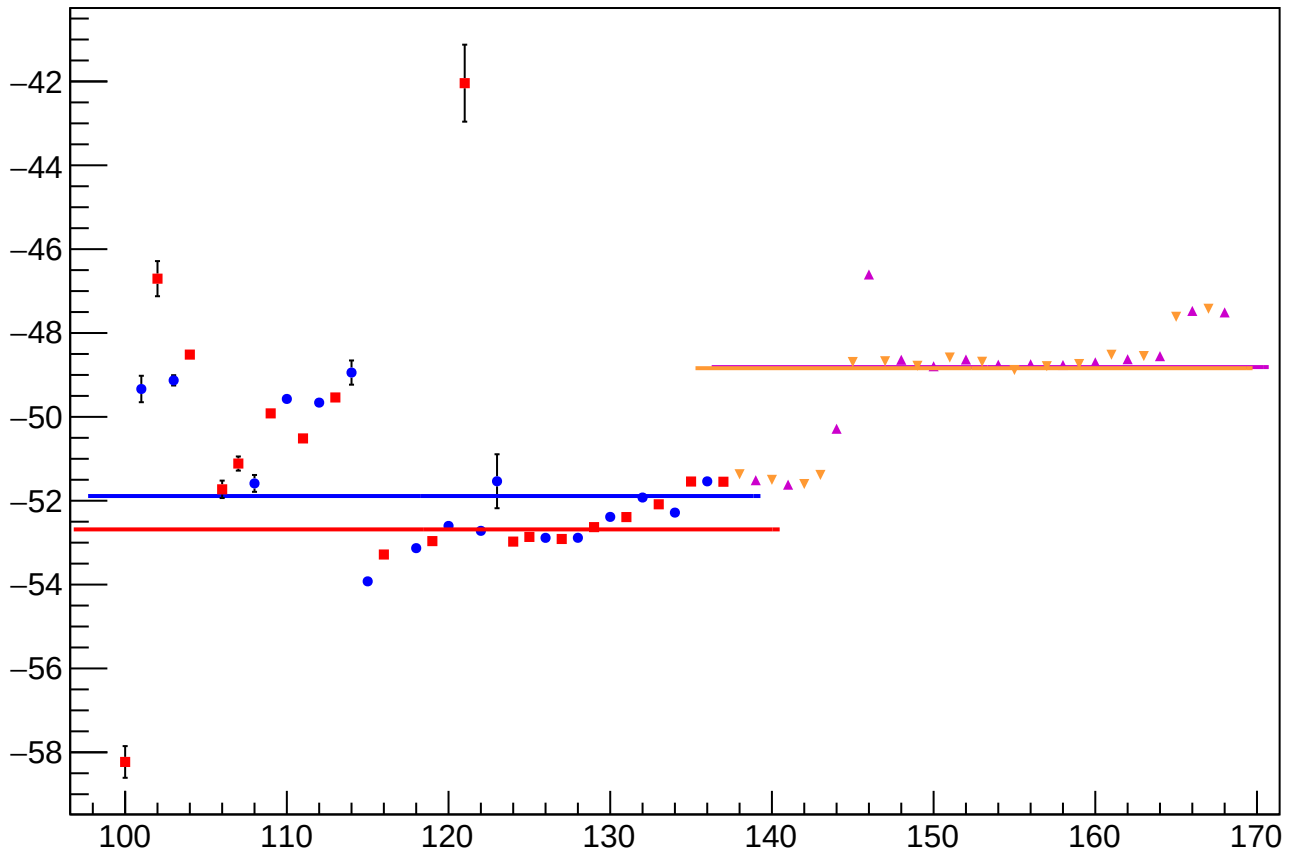
Right: 0.030+/-0.000 χ^2/NDF : 23314297700963382

In: 0.541+/-0.000 χ^2/NDF :309879.7/31

Out: 0.030+/-0.000 χ^2/NDF :739168.9/34

All: 0.030+/-0.000 χ^2/NDF : 23314297700963

dit_sam8_4aY_slope vs Slug, Sign Corrected



Left: -48.823 $\pm$ 0.001 χ^2/NDF : 1096017.7/30

Right: -52.231 $\pm$ 0.002 χ^2/NDF : 188721.6/35

In: -49.333 $\pm$ 0.001 χ^2/NDF : 2315076.9/31

Out: -49.593 $\pm$ 0.001 χ^2/NDF : 2311205.2/34

All: -49.436 $\pm$ 0.001 χ^2/NDF : 4657976.8/66

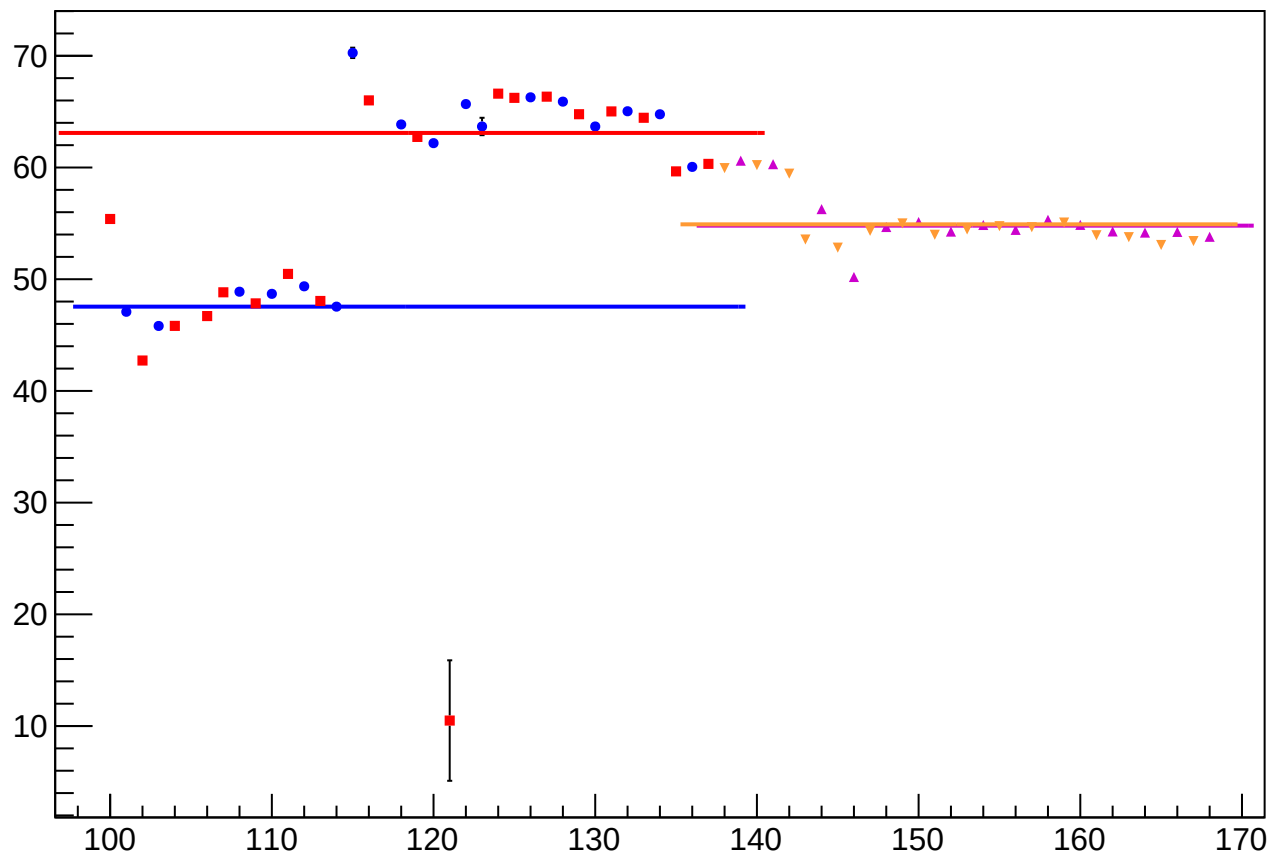
Right In: -51.888 $\pm$ 0.002 χ^2/NDF : 77585.2/16

Left Out: -48.839 $\pm$ 0.001 χ^2/NDF : 440951.0/15

Right Out: -52.684 $\pm$ 0.003 χ^2/NDF : 56125.8/18

Left In: -48.813 $\pm$ 0.001 χ^2/NDF : 654796.1/14

dit_sam8_4eY_slope vs Slug, Sign Corrected



Right In: 47.545+/-0.000 χ^2/NDF : 3491700.1/16

Left Out: 54.913+/-0.003 χ^2/NDF : 261950.2/15

Right Out: 63.095+/-0.007 χ^2/NDF : 333637.2/18

Left In: 54.796+/-0.003 χ^2/NDF : 85499.6/14

Left: 54.845+/-0.002 χ^2/NDF : 348243.5/30

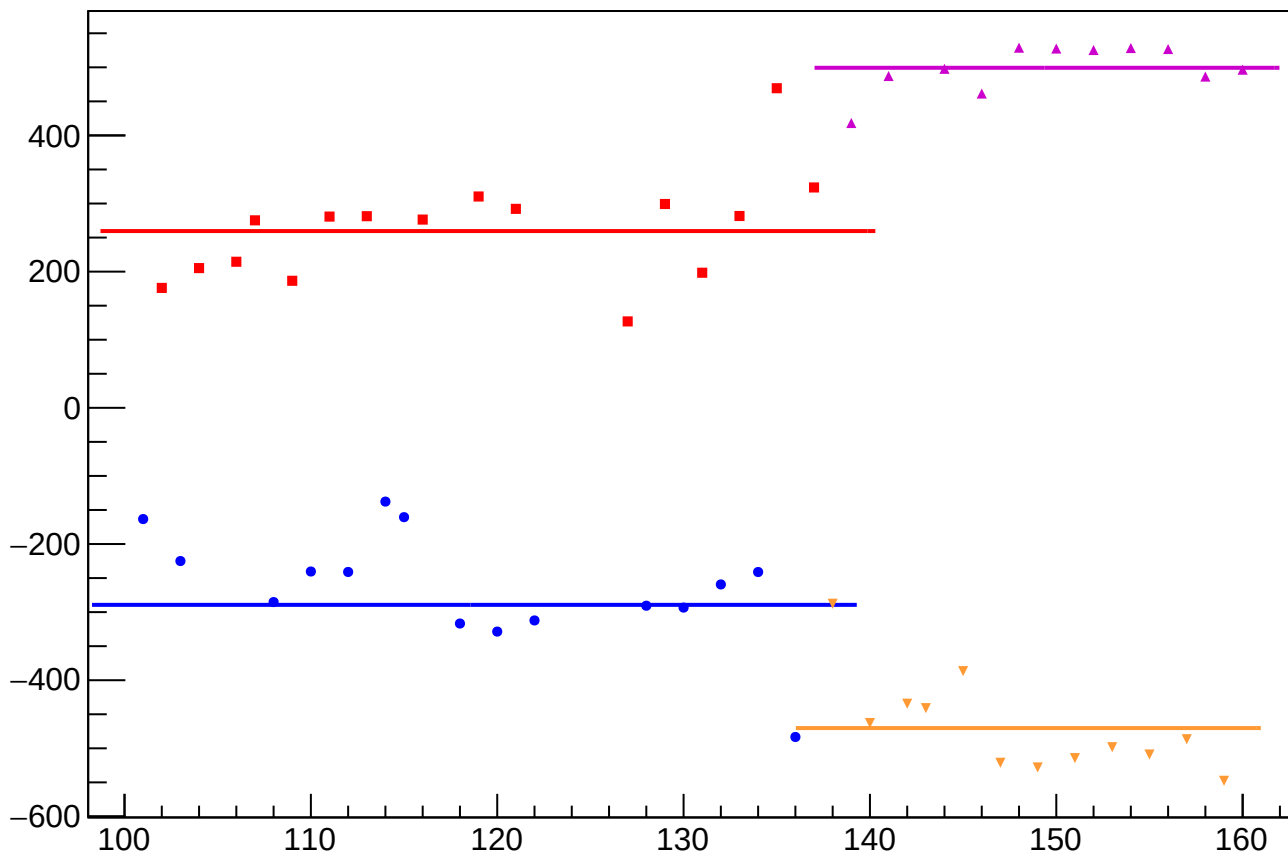
Right: 47.545+/-0.000 χ^2/NDF : 8155028.5/35

In: 47.545+/-0.000 χ^2/NDF : 10723765.8/31

Out: 56.165+/-0.003 χ^2/NDF : 1610840.2/34

All: 47.545+/-0.000 χ^2/NDF : 21029348.1/66

dit_4aX_coil1_mean vs Slug, Sign Corrected



Right In: -289.322+/-0.000

Left Out: -470.248+/-0.000

Right Out: 259.558+/-0.000

Left In: 499.323+/-0.000

χ^2/NDF : 53696816404891478649585392183934976.0/14

χ^2/NDF : 4607361900635133507336893174223208448.0/11

χ^2/NDF : 4299886792692123970784563983770714112.0/15

χ^2/NDF : 1018789461606644410107221718465511424.0/10

Left: 16.381+/-0.000 χ^2/NDF : 43828608668570412

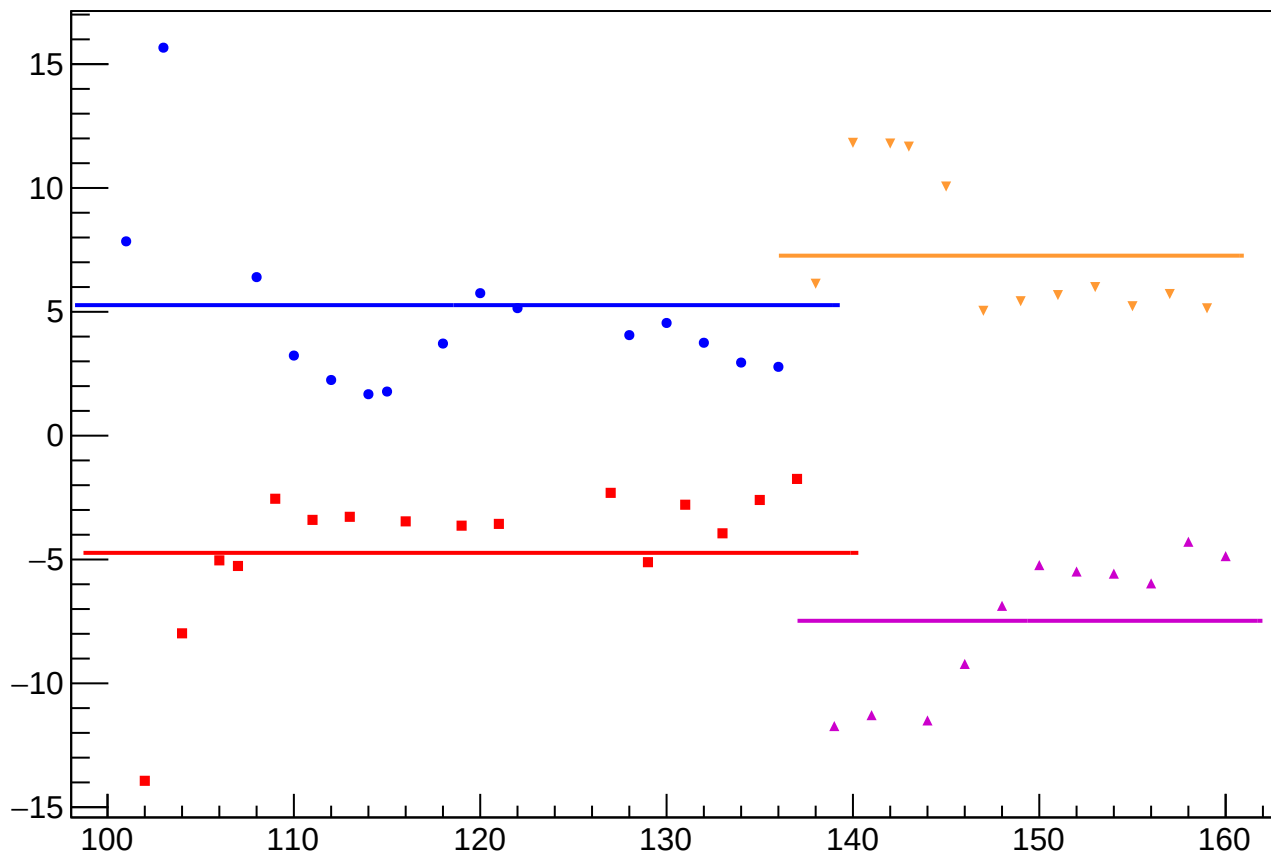
Right: -11.129+/-0.000 χ^2/NDF : 108768514077982

In: 173.938+/-0.000 χ^2/NDF : 2434992102571034

Out: -162.937+/-0.000 χ^2/NDF : 214569343830480

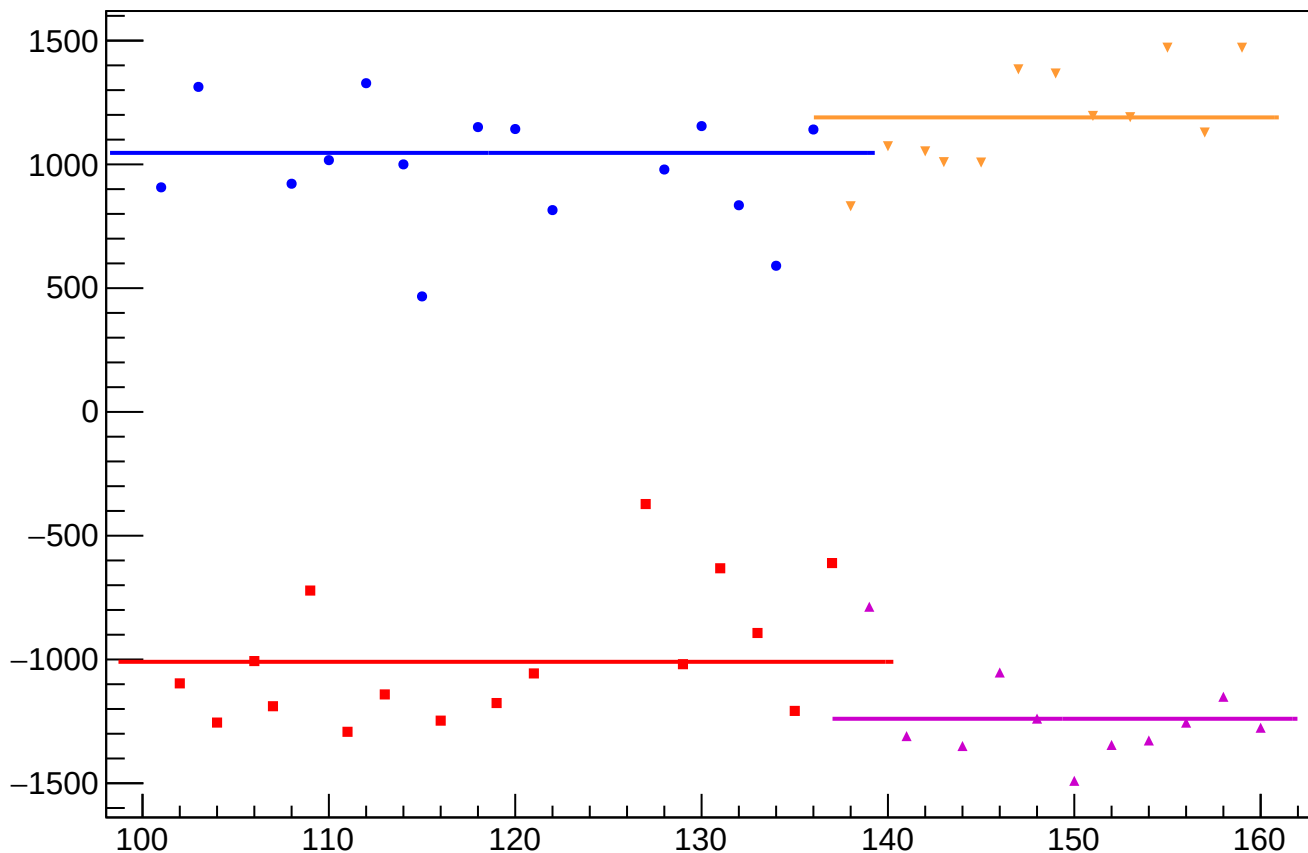
All: 4.914+/-0.000 χ^2/NDF : 5476353608355

dit_4aX_coil1_err_mean vs Slug, Sign Corrected



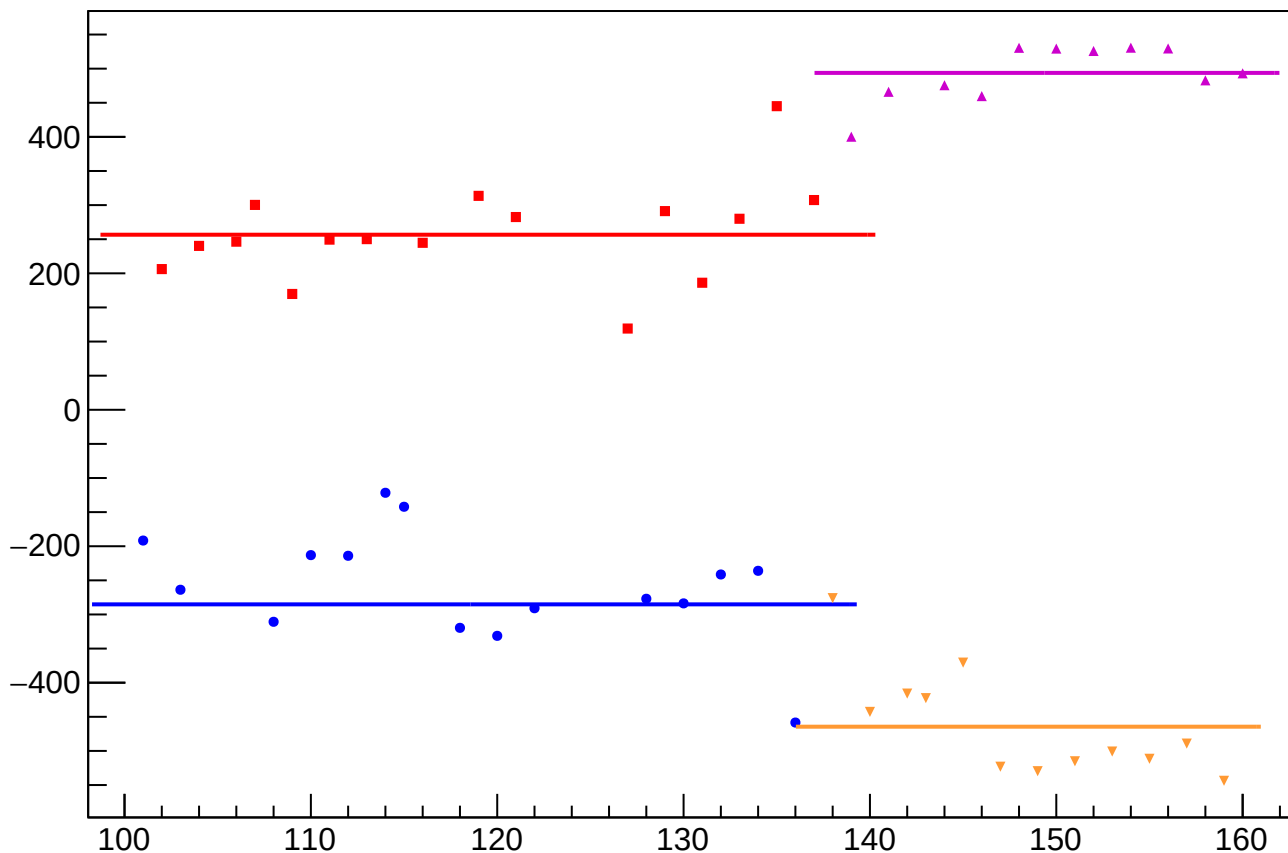
Right In: 5.270 ± 0.000 $\chi^2/\text{NDF}: 8709683292123798330550906790084608.0/14$
 Left Out: 7.267 ± 0.000 $\chi^2/\text{NDF}: 6561845891361438099452945363894272.0/11$
 Right Out: -4.732 ± 0.000 $\chi^2/\text{NDF}: 6856893072575211562802281426452480.0/15$
 Left In: -7.475 ± 0.000 $\chi^2/\text{NDF}: 7057812139399579538870244550377472.0/10$
 All: 0.007 ± 0.000 $\chi^2/\text{NDF}: 16219425295293$

dit_4aX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 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: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_4eX_coil1_mean vs Slug, Sign Corrected



Right In: -285.187+/-0.000

Left Out: -464.487+/-0.000

Right Out: 256.599+/-0.000

Left In: 493.780+/-0.000

χ^2/NDF : 4479585262853549838092521921291747328.0/14

χ^2/NDF : 5412512273744603577474879660526403584.0/11

χ^2/NDF : 3648271535971039165952602563191767040.0/15

χ^2/NDF : 1451794731277142230901460532226686976.0/10

Left: 16.468+/-0.000 χ^2/NDF : 42949444030060178

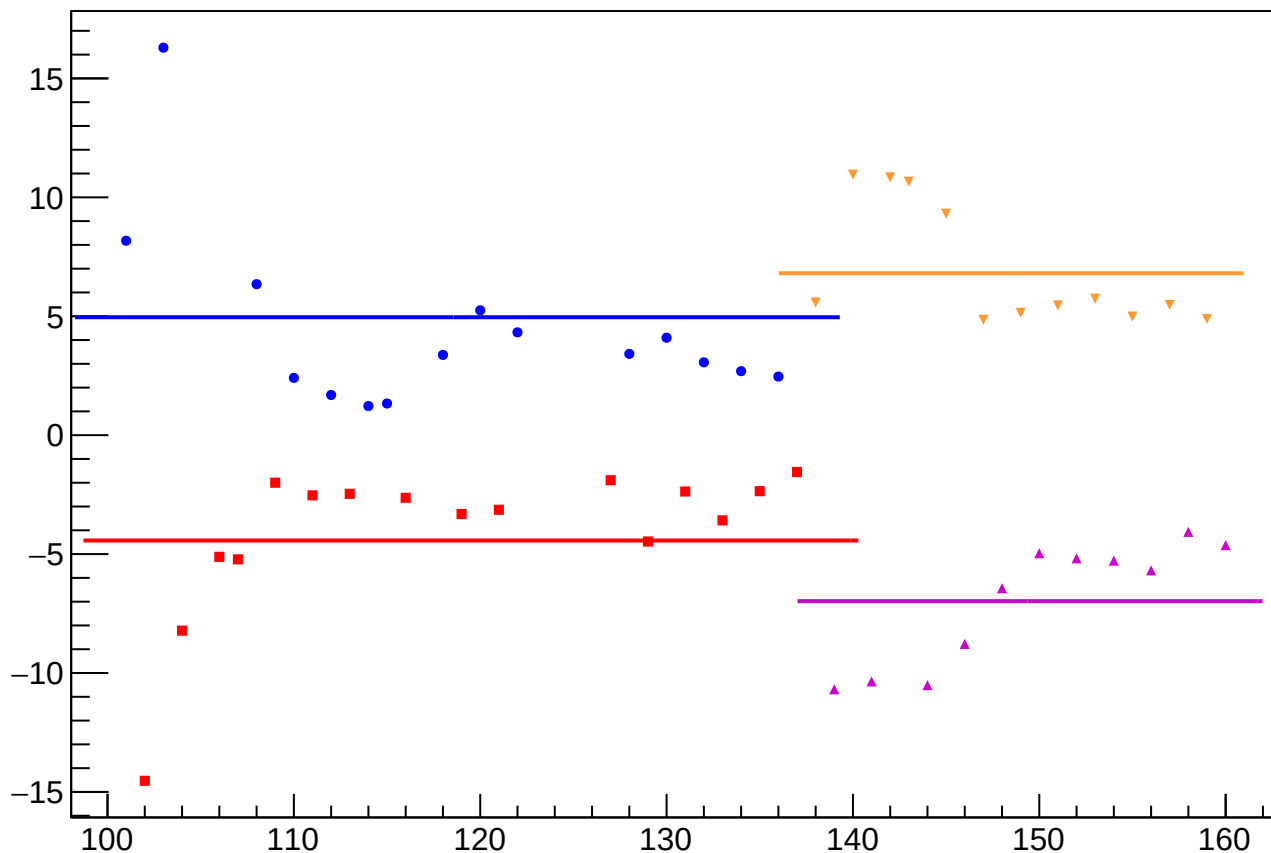
Right: -10.589+/-0.000 χ^2/NDF : 104681795299957

In: 172.388+/-0.000 χ^2/NDF : 23725794461997010

Out: -160.848+/-0.000 χ^2/NDF : 209837987568430

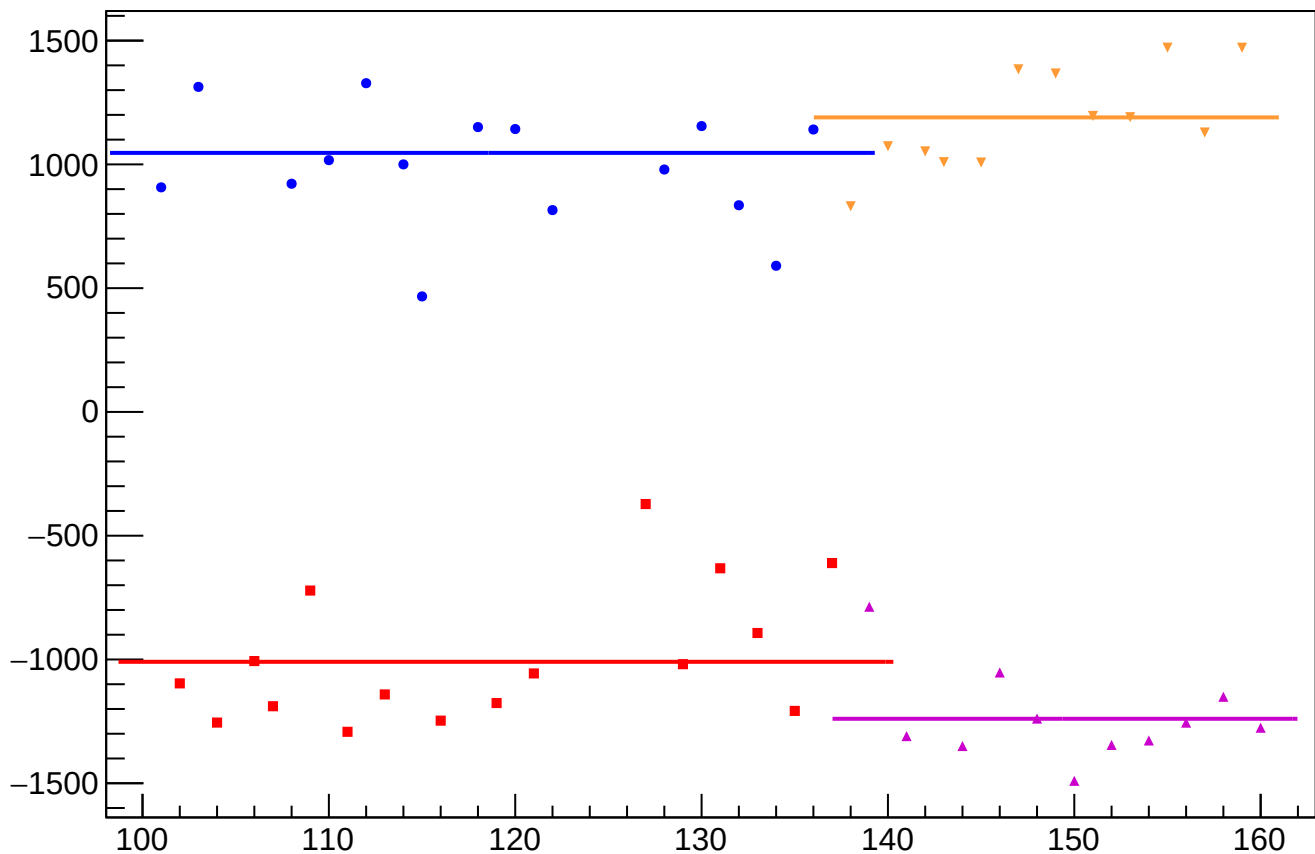
All: 5.190+/-0.000 χ^2/NDF : 53473803996129

dit_4eX_coil1_err_mean vs Slug, Sign Corrected



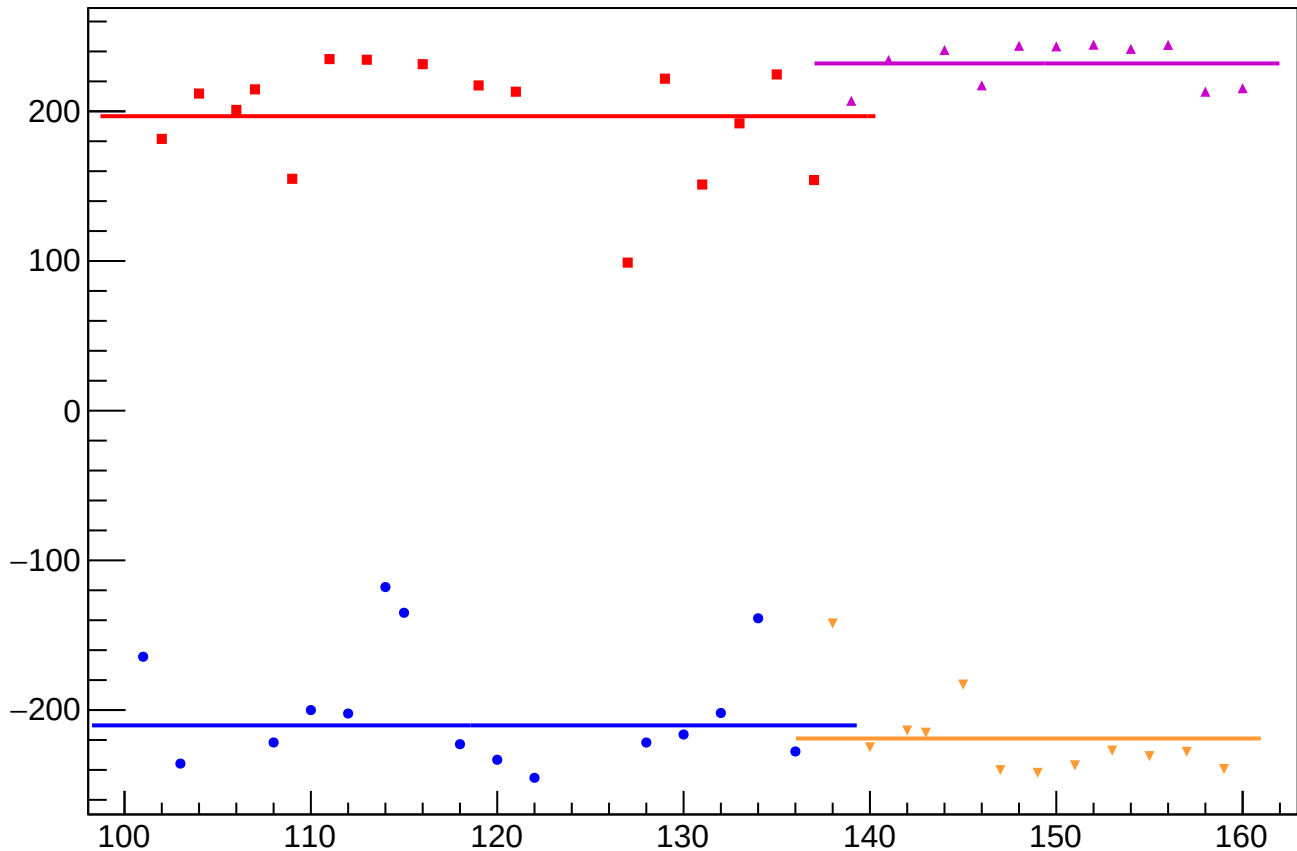
Right In: 4.959 ± 0.000 χ^2/NDF : 10465467057143371817371681641463808.0/14
 Left Out: 6.806 ± 0.000 χ^2/NDF : 5243464744446974431083540143669248.0/11
 Right Out: -4.429 ± 0.000 χ^2/NDF : 8371440400334524571131796772618240.0/15
 Left In: -6.978 ± 0.000 χ^2/NDF : 5622697014277754941158413236699136.0/10
 All: 0.018 ± 0.000 χ^2/NDF : 14620684457738

dit_4eX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_11X12X_coil1_mean vs Slug, Sign Corrected



Right In: -210.261+/-0.000

Left Out: -219.010+/-0.000

Right Out: 196.736+/-0.000

Left In: 231.985+/-0.000

χ^2/NDF : 567711076568068409192467700494893056.0/14

χ^2/NDF : 731132234342099268900131615977504768.0/11

χ^2/NDF : 909588895093044840633640514790359040.0/15

χ^2/NDF : 182992027280401463139065105290887168.0/10

Left: 7.345+/-0.000 χ^2/NDF : 945260450334223642

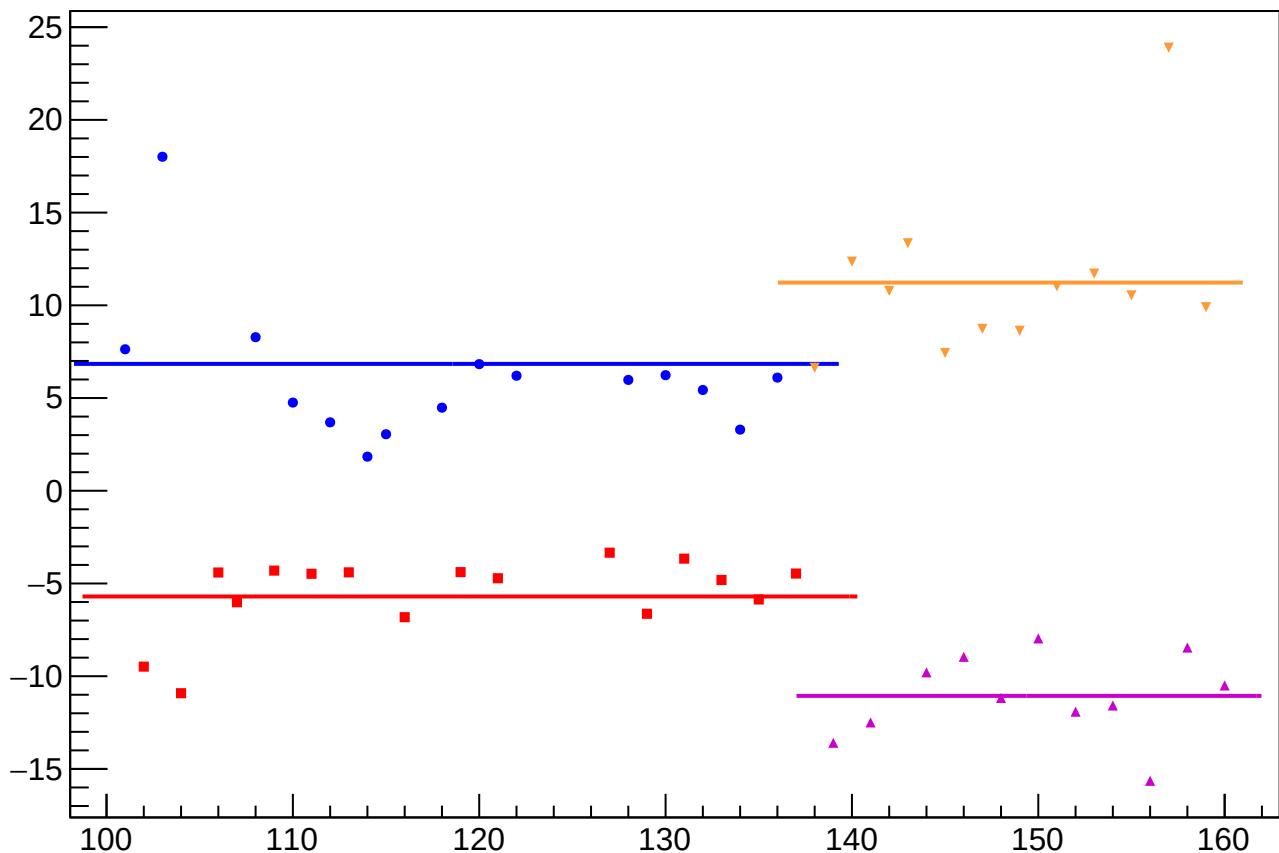
Right: -3.979+/-0.000 χ^2/NDF : 5596508618889263

In: 49.520+/-0.000 χ^2/NDF : 753125513421150554

Out: -43.945+/-0.000 χ^2/NDF : 6838245163544745

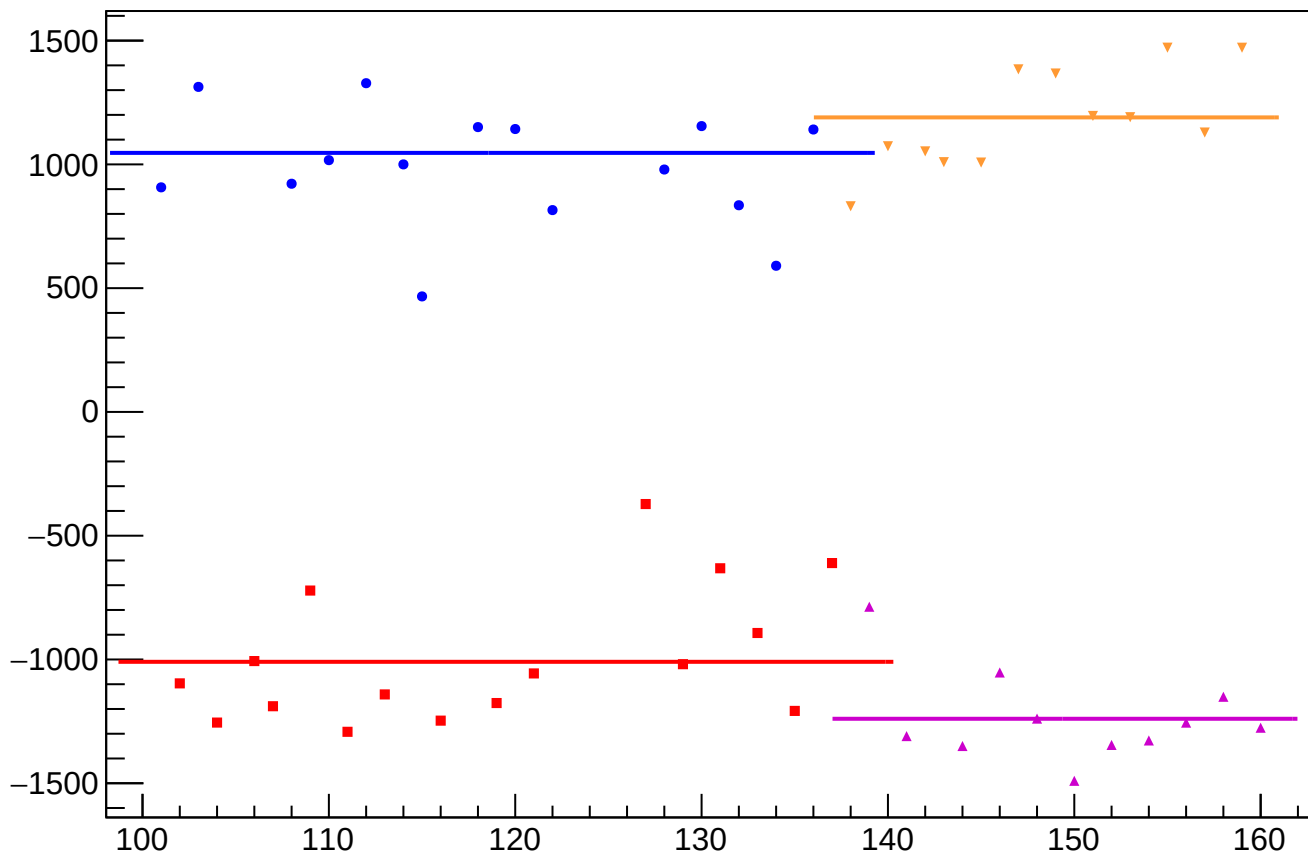
All: 2.624+/-0.000 χ^2/NDF : 15058953843996

dit_11X12X_coil1_err_mean vs Slug, Sign Corrected



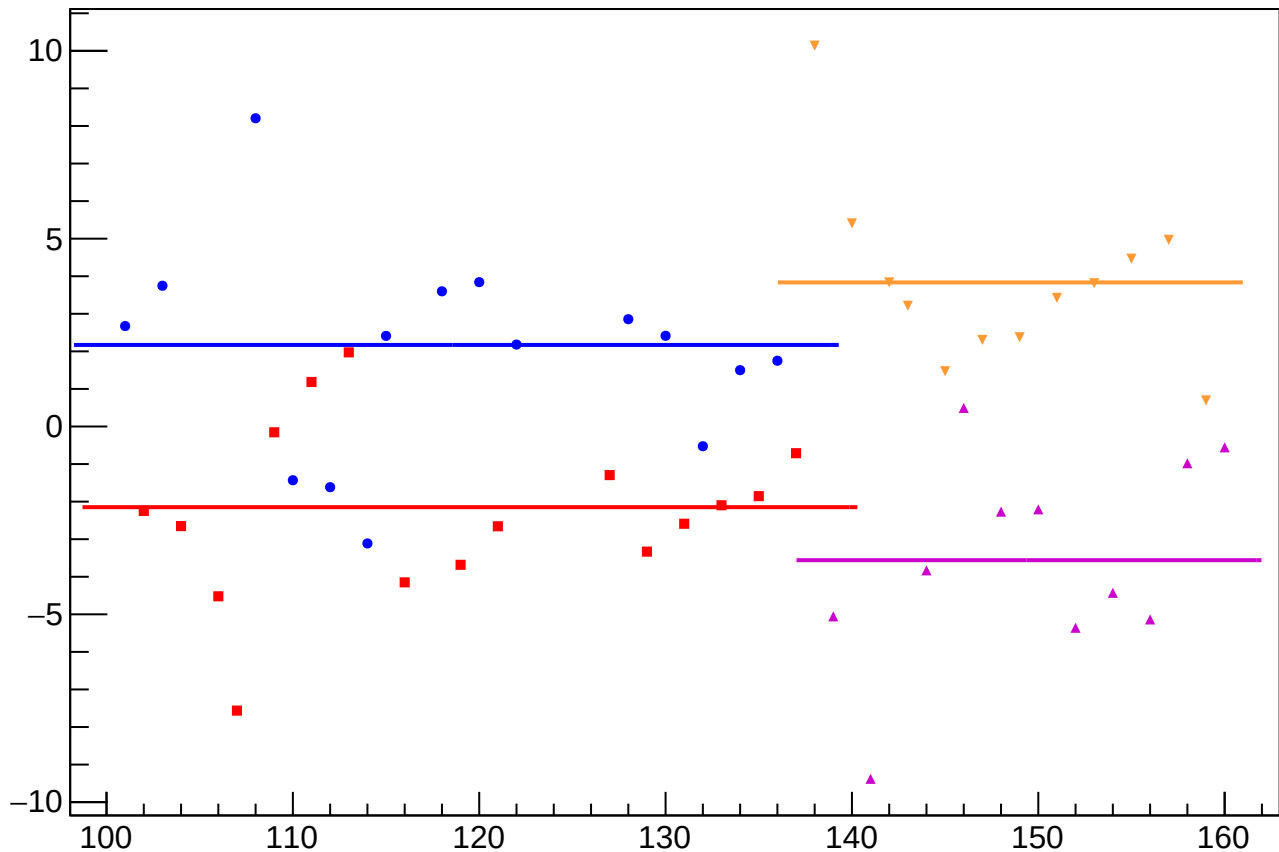
Right In: 6.842 ± 0.000 $\chi^2/\text{NDF}: 9355934166823324467316647620771840.0/14$
 Left Out: 11.226 ± 0.000 $\chi^2/\text{NDF}: 17157831728505810554543577208193024.0/11$
 Right Out: -5.701 ± 0.000 $\chi^2/\text{NDF}: 3174693398300953393137731791486976.0/15$
 Left In: -11.061 ± 0.000 $\chi^2/\text{NDF}: 4417559387784954400311933713514496.0/10$
 All: 0.225 ± 0.000 $\chi^2/\text{NDF}: 31461560120365$

dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected



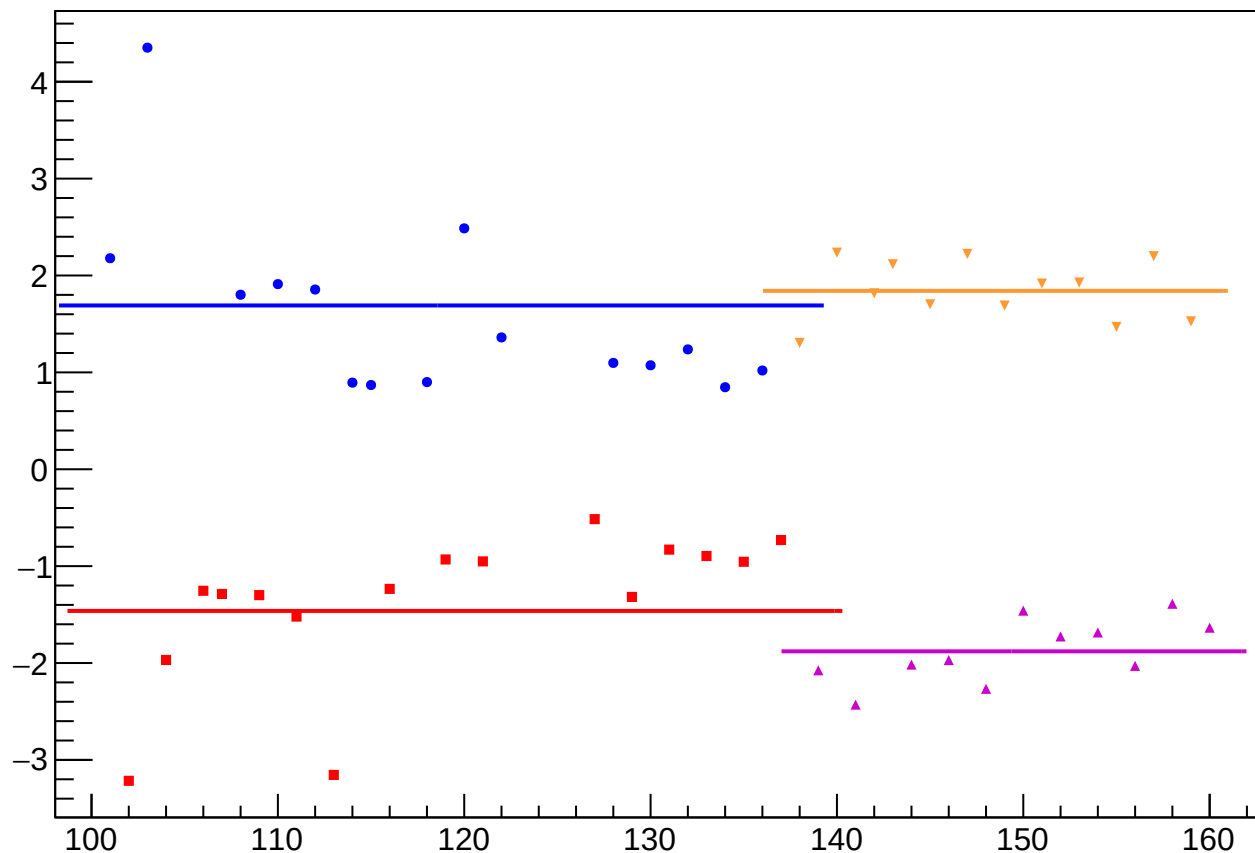
Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -29.485+/-0.000	χ^2/NDF : 2780895357711007
Left Out: 1189.821+/-0.000	χ^2/NDF : 35487872642876563282140008444600516608.0/11	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -296.360+/-0.000	χ^2/NDF : 2046292009130527
Left In: -1239.553+/-0.000	χ^2/NDF : 29116180330425505242594030704390045696.0/10	Out: 263.741+/-0.000	χ^2/NDF : 1947741480778667
		All: -15.334+/-0.000	χ^2/NDF : 424162911952

dit_4aY_coil1_mean vs Slug, Sign Corrected



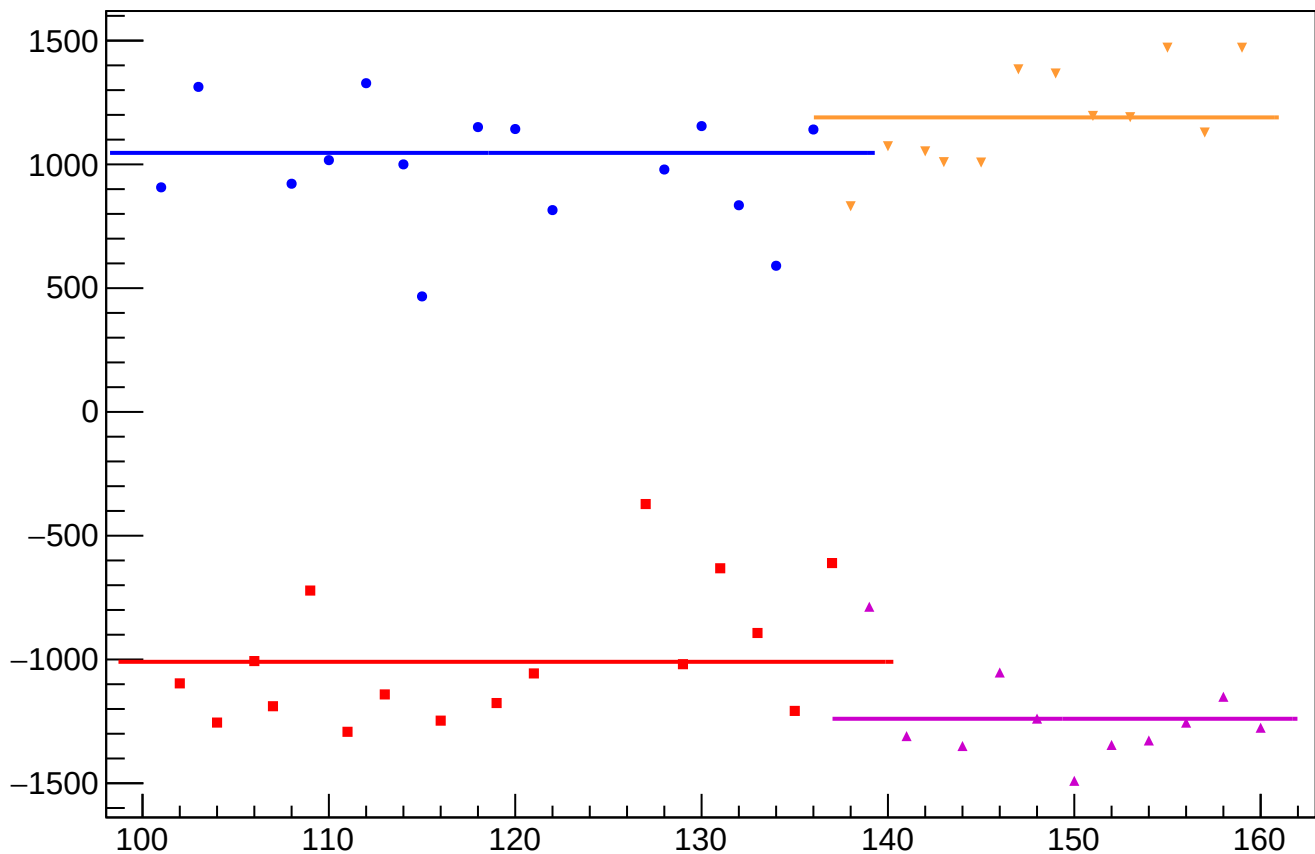
Left: 0.124 ± 0.000 $\chi^2/\text{NDF}: 36735183295933049$
 Right In: 2.171 ± 0.000 $\chi^2/\text{NDF}: 3599819246909975678410499691642880.0/14$
 Left Out: 3.836 ± 0.000 $\chi^2/\text{NDF}: 5077142493205652960507998024761344.0/11$
 Right Out: -2.148 ± 0.000 $\chi^2/\text{NDF}: 3093887336239378959606321931878400.0/15$
 Left In: -3.559 ± 0.000 $\chi^2/\text{NDF}: 6492667345109962540652165758713856.0/10$
 All: 0.065 ± 0.000 $\chi^2/\text{NDF}: 49580185469382$

dit_4aY_coil1_err_mean vs Slug, Sign Corrected



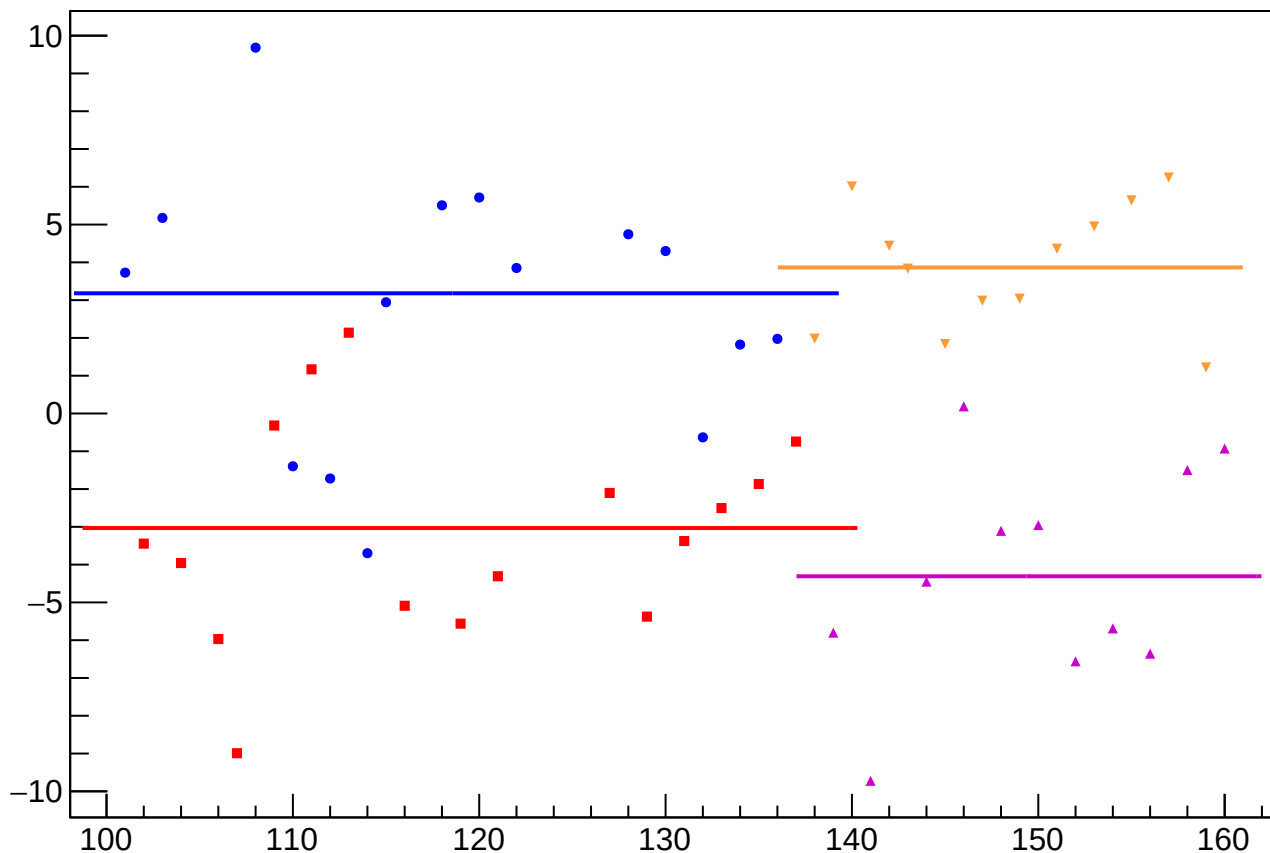
Right In: 1.691 ± 0.000 $\chi^2/\text{NDF}: 612163393317609859674079412355072.0/14$
 Left Out: 1.841 ± 0.000 $\chi^2/\text{NDF}: 85338663213371601399207847526400.0/11$
 Right Out: -1.462 ± 0.000 $\chi^2/\text{NDF}: 444384511662519040022371754835968.0/15$
 Left In: -1.879 ± 0.000 $\chi^2/\text{NDF}: 90968052268112309617342982127616.0/10$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 10884931871335$

dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected



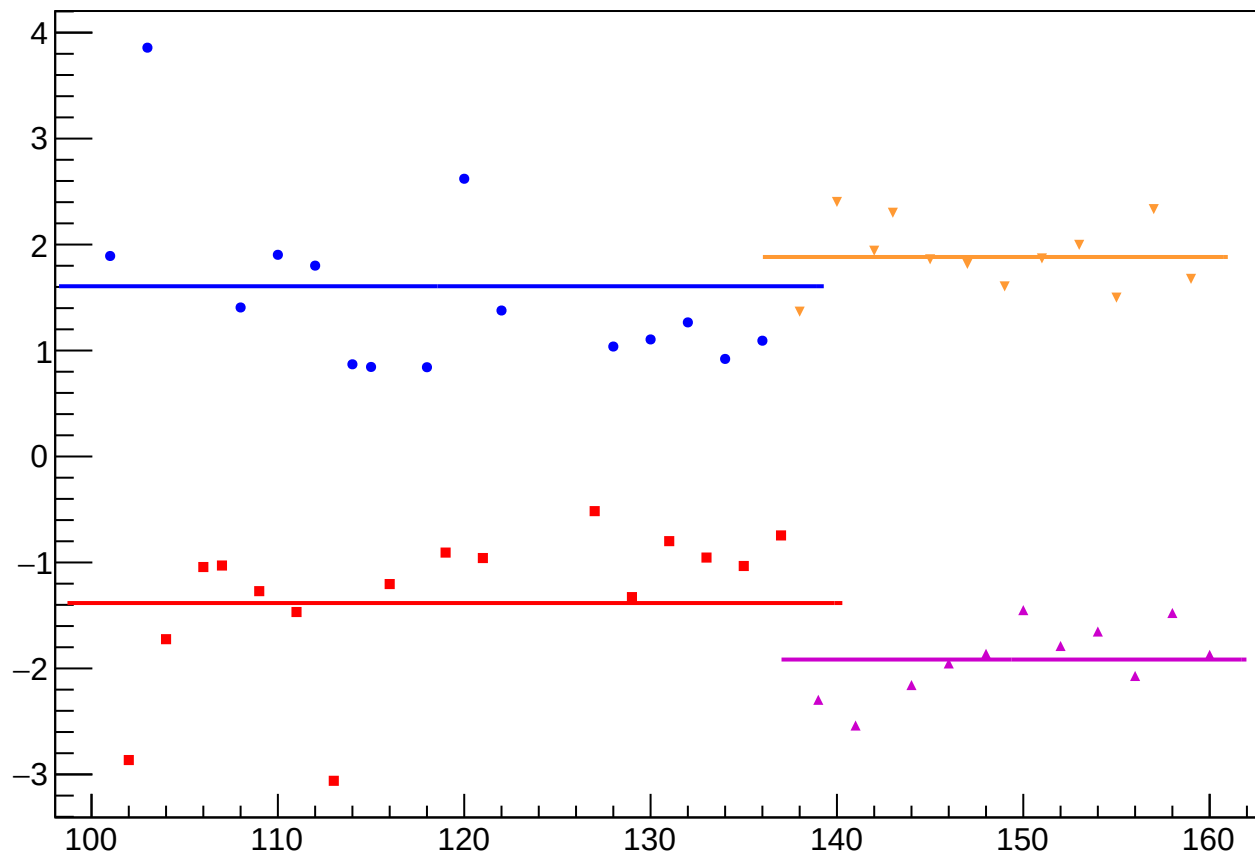
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_4eY_coil1_mean vs Slug, Sign Corrected



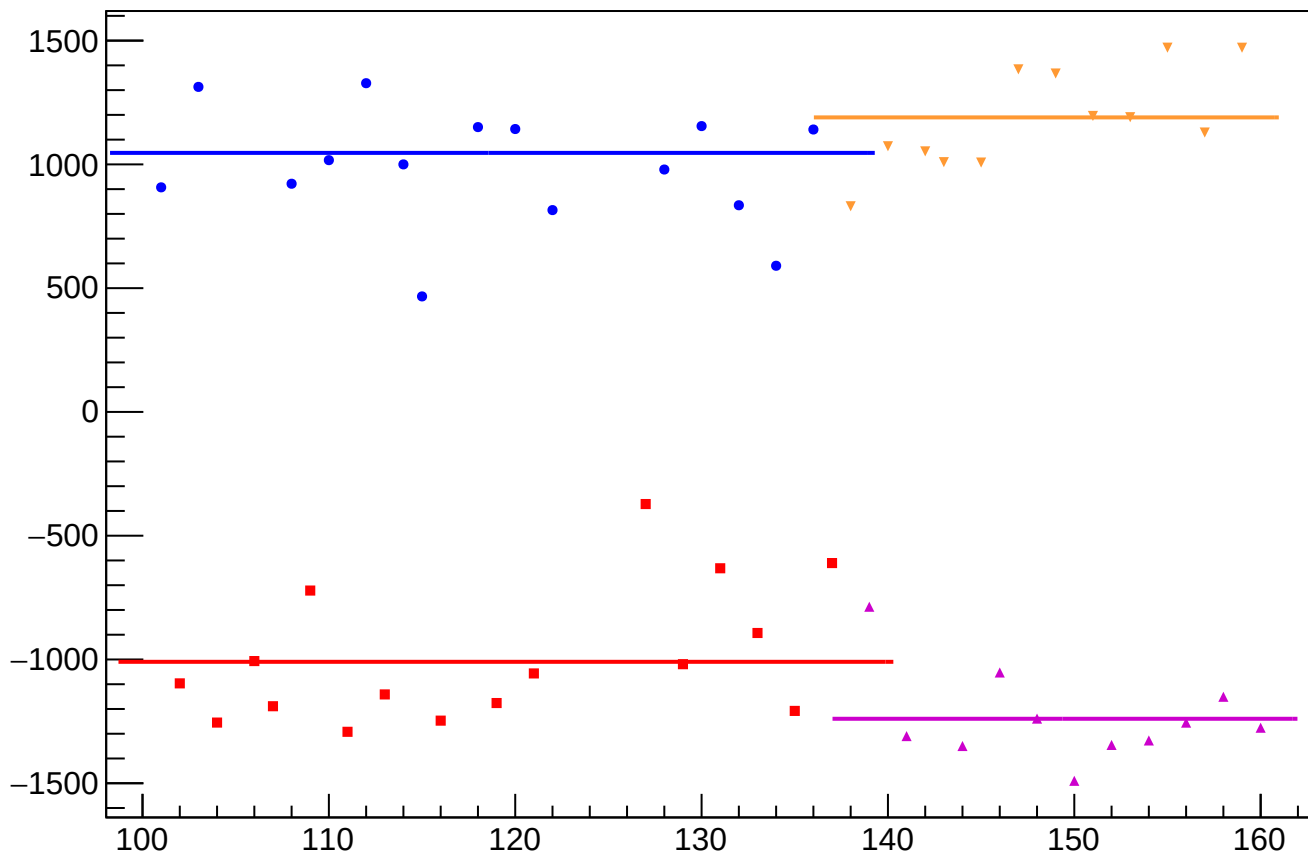
Right In: 3.181 ± 0.000 $\chi^2/\text{NDF}: 5833303227868252617704566394191872.0/14$
 Left Out: 3.865 ± 0.000 $\chi^2/\text{NDF}: 2498021792424542817214204578103296.0/11$
 Right Out: -3.032 ± 0.000 $\chi^2/\text{NDF}: 4937209831371793945496546833334272.0/15$
 Left In: -4.308 ± 0.000 $\chi^2/\text{NDF}: 7073495667694280351803168107003904.0/10$
 All: -0.125 ± 0.000 $\chi^2/\text{NDF}: 6384378527742$

dit_4eY_coil1_err_mean vs Slug, Sign Corrected



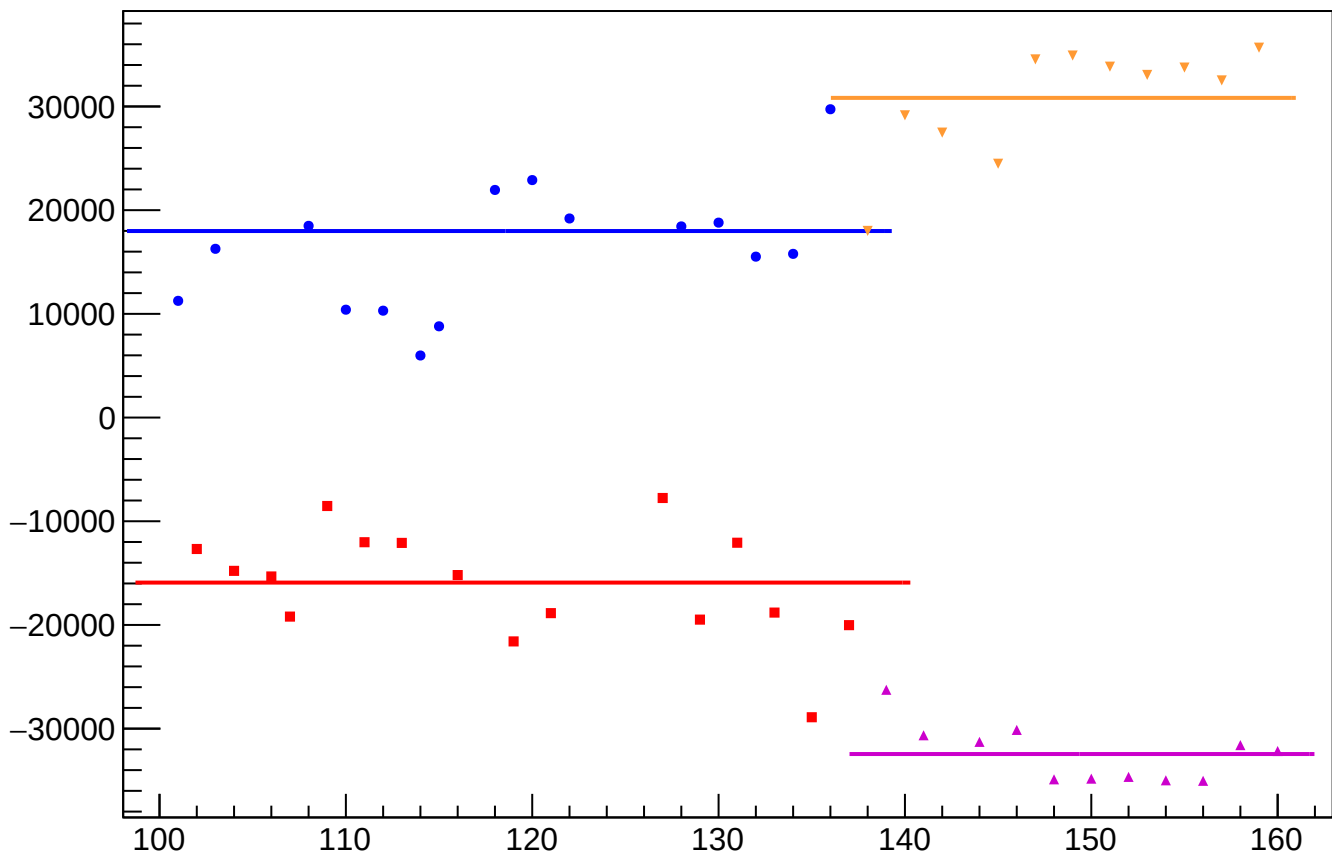
Right In: 1.607 ± 0.000 χ^2/NDF : 460949628640148184181205735833600.0/14
 Left Out: 1.883 ± 0.000 χ^2/NDF : 93981074591902245168022313500672.0/11
 Right Out: -1.383 ± 0.000 χ^2/NDF : 358348897016286200957650337792000.0/15
 Left In: -1.916 ± 0.000 χ^2/NDF : 95276515809016209875699691945984.0/10
 All: 0.024 ± 0.000 χ^2/NDF : 10600135910975

dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected



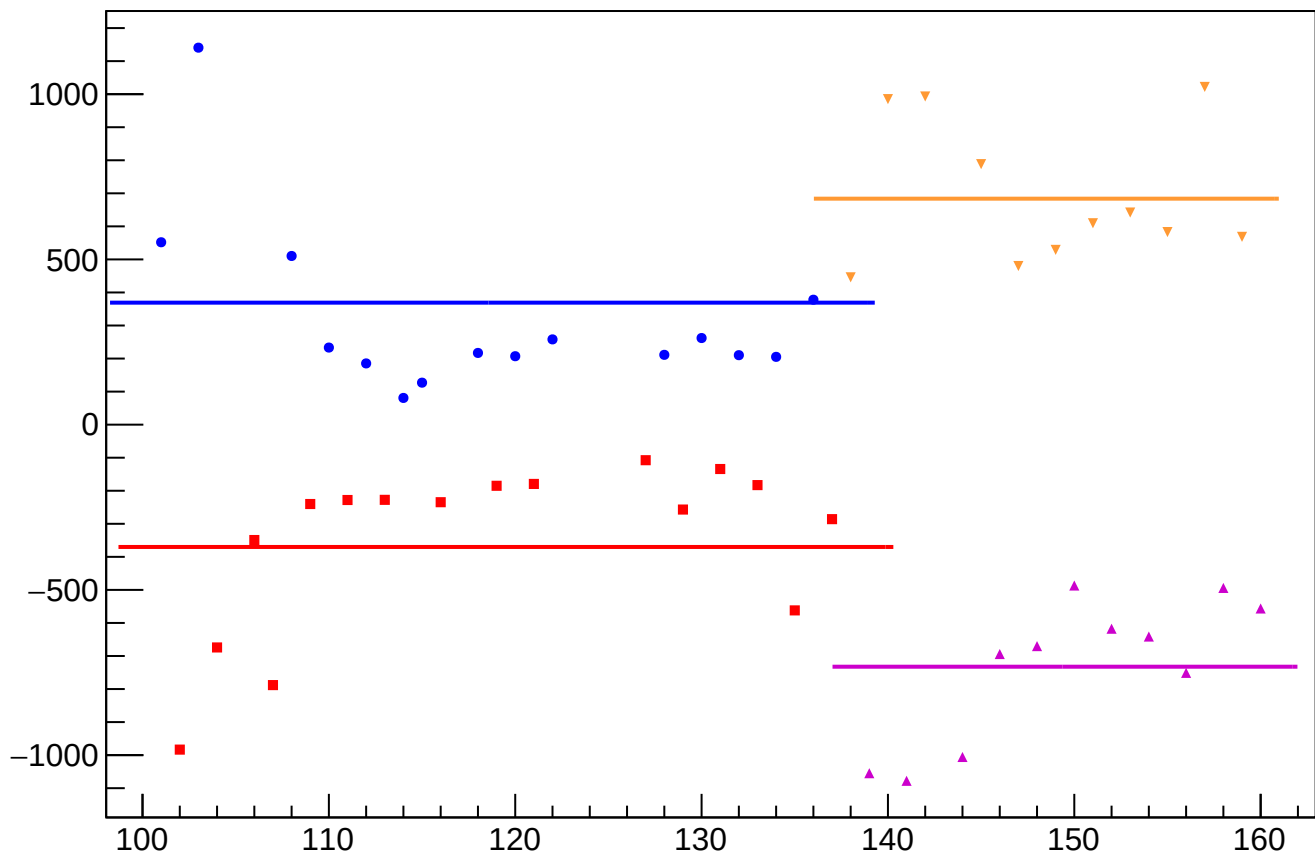
Left: -29.485 +/- 0.000 χ^2/NDF : 2780895357711007
 Right In: 1046.490 +/- 0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821 +/- 0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445 +/- 0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553 +/- 0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334 +/- 0.000 χ^2/NDF : 424162911952

dit_usl_coil1_mean vs Slug, Sign Corrected



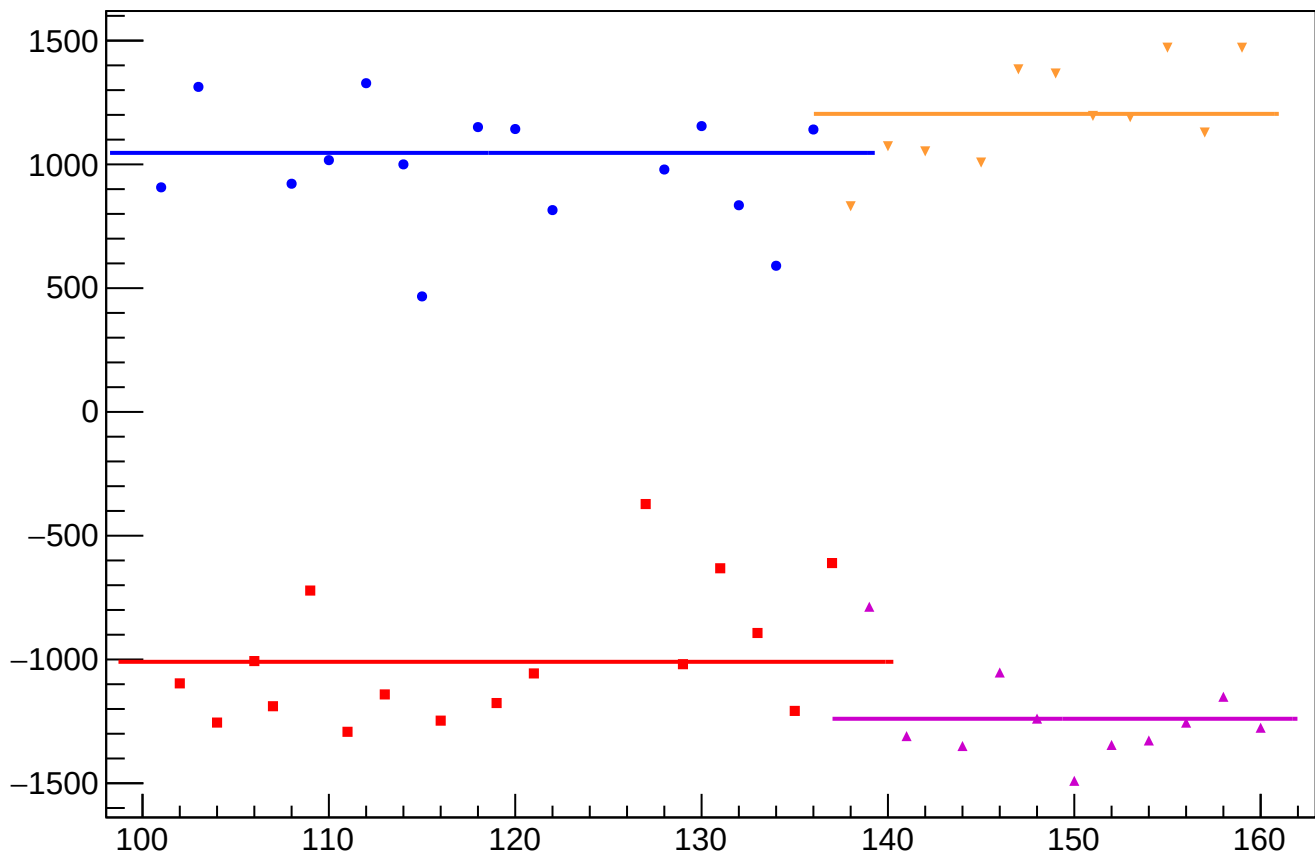
Right In: 17988.185+/-0.000 χ^2/NDF : 24815111809984217103544001237552952508416.0/14
 Left Out: 30828.996+/-0.000 χ^2/NDF : 23225941804061934913195205321671126810624.0/10
 Right Out: -15915.227+/-0.000 χ^2/NDF : 19954189674705952707042287416087223992320.0/15
 Left In: -32448.675+/-0.000 χ^2/NDF : 6566176061380629796456552080625585094656.0/10
 All: -879.953+/-0.000 χ^2/NDF : 22318740534

dit_usl_coil1_err_mean vs Slug, Sign Corrected



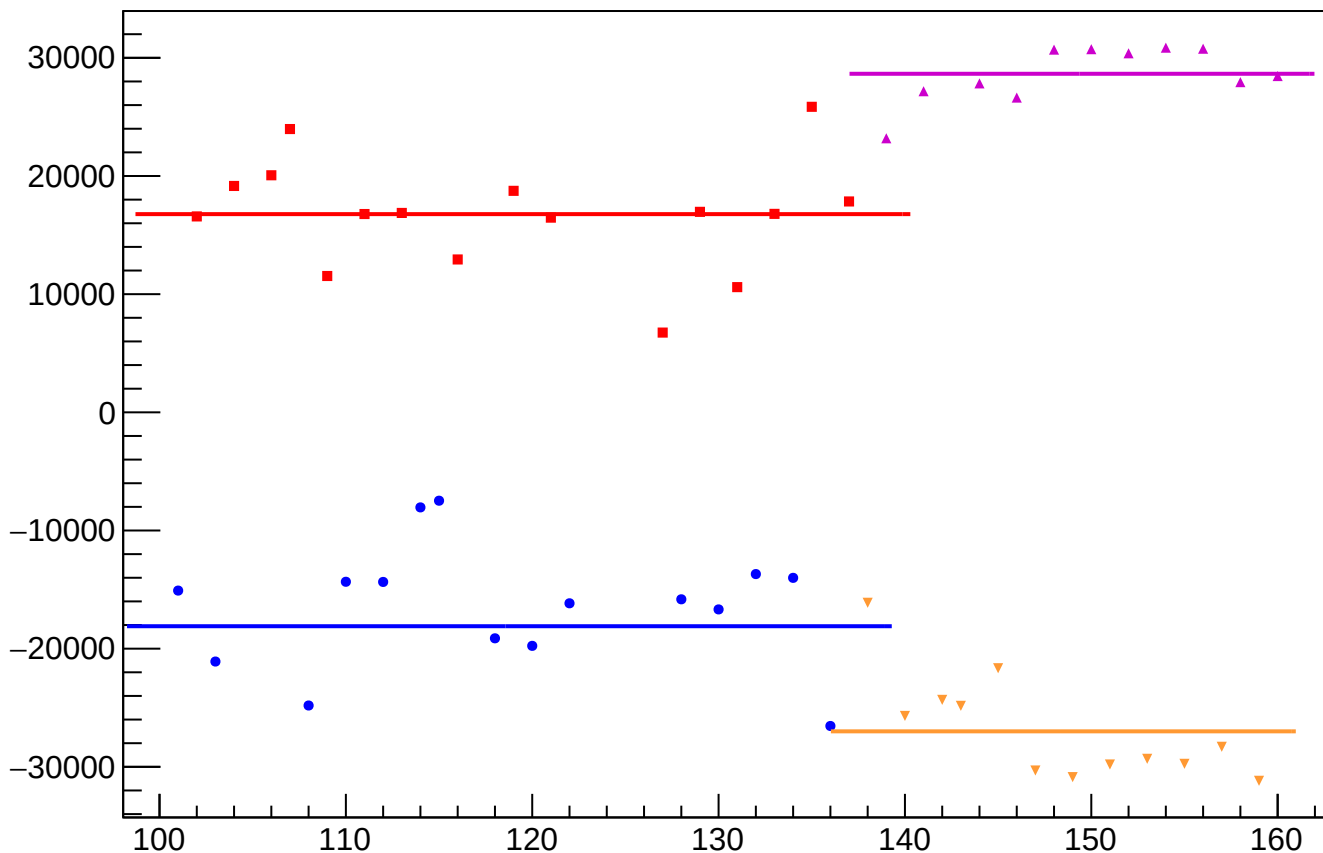
Right In: 369.169+/-0.000 χ^2/NDF : 48053036789565485994195833341370957824.0/14
 Left Out: 683.818+/-0.000 χ^2/NDF : 33889213327859325358647069977975193600.0/10
 Right Out: -370.091+/-0.000 χ^2/NDF : 48214462907052107543037037125316902912.0/15
 Left In: -732.414+/-0.000 χ^2/NDF : 39942105840529115736569596950263889920.0/10
 All: -33.257+/-0.000 χ^2/NDF : 123961521761

dit_usl_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1204.078 ± 0.000 $\chi^2/\text{NDF}: 33123375714267646220347434218144399360.0/10$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -37.543 ± 0.000 $\chi^2/\text{NDF}: 416981067496$

dit_usr_coil1_mean vs Slug, Sign Corrected



Right In: -18100.637+/-0.000

Left Out: -26996.716+/-0.000

Right Out: 16773.604+/-0.000

Left In: 28650.410+/-0.000

χ^2/NDF : 14634967546173586967632040765428699496448.0/14

χ^2/NDF : 17646333216214404420096394486681509560320.0/11

χ^2/NDF : 14234547931135812277474342886568366178304.0/15

χ^2/NDF : 4838827535981080826725947474344765554688.0/10

Left: 932.640+/-0.000 χ^2/NDF : 1447675891071353

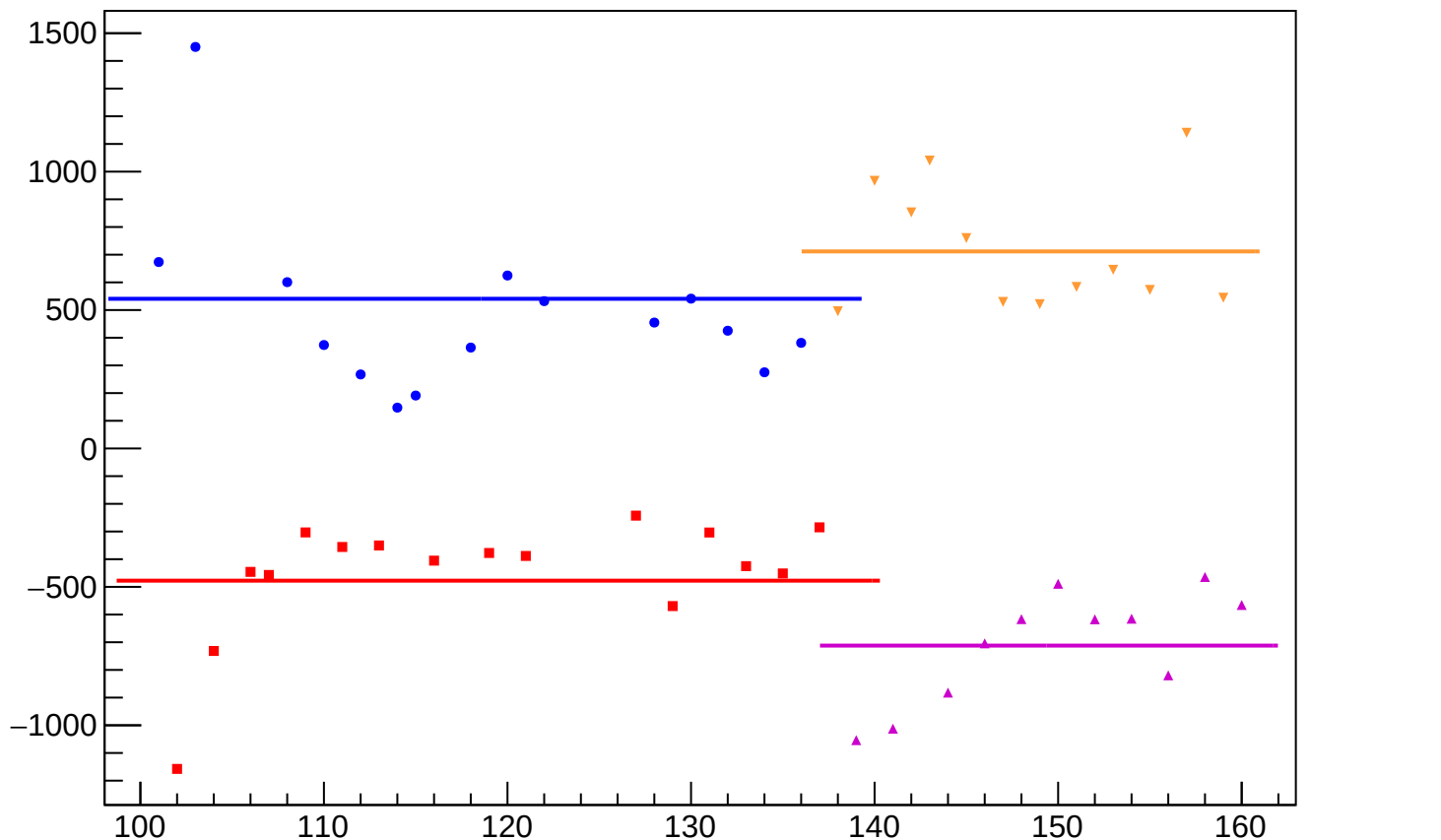
Right: -425.015+/-0.000 χ^2/NDF : 42892863582613

In: 9361.516+/-0.000 χ^2/NDF : 8527147862381255

Out: -8565.653+/-0.000 χ^2/NDF : 77165550758849

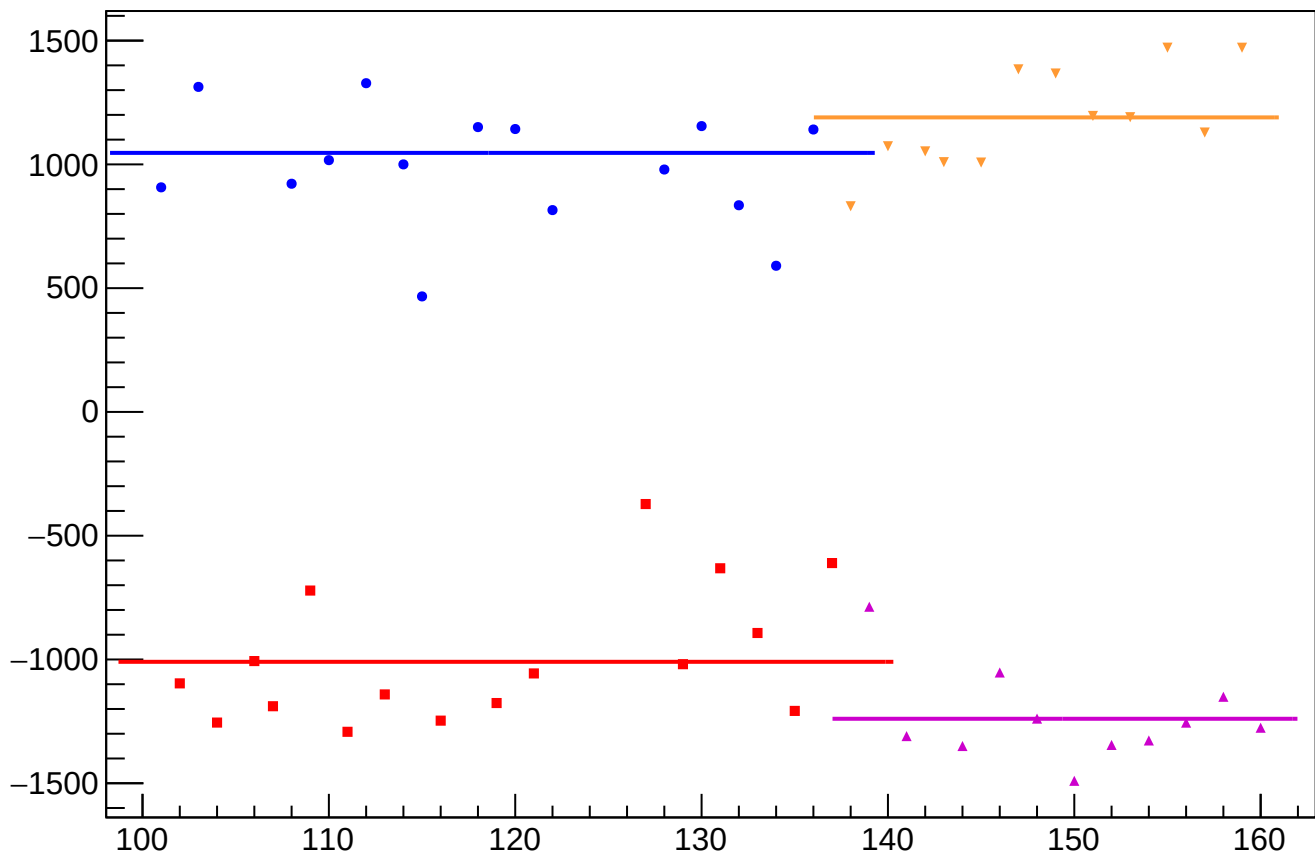
All: 366.700+/-0.000 χ^2/NDF : 187801906256

dit_usr_coil1_err_mean vs Slug, Sign Corrected



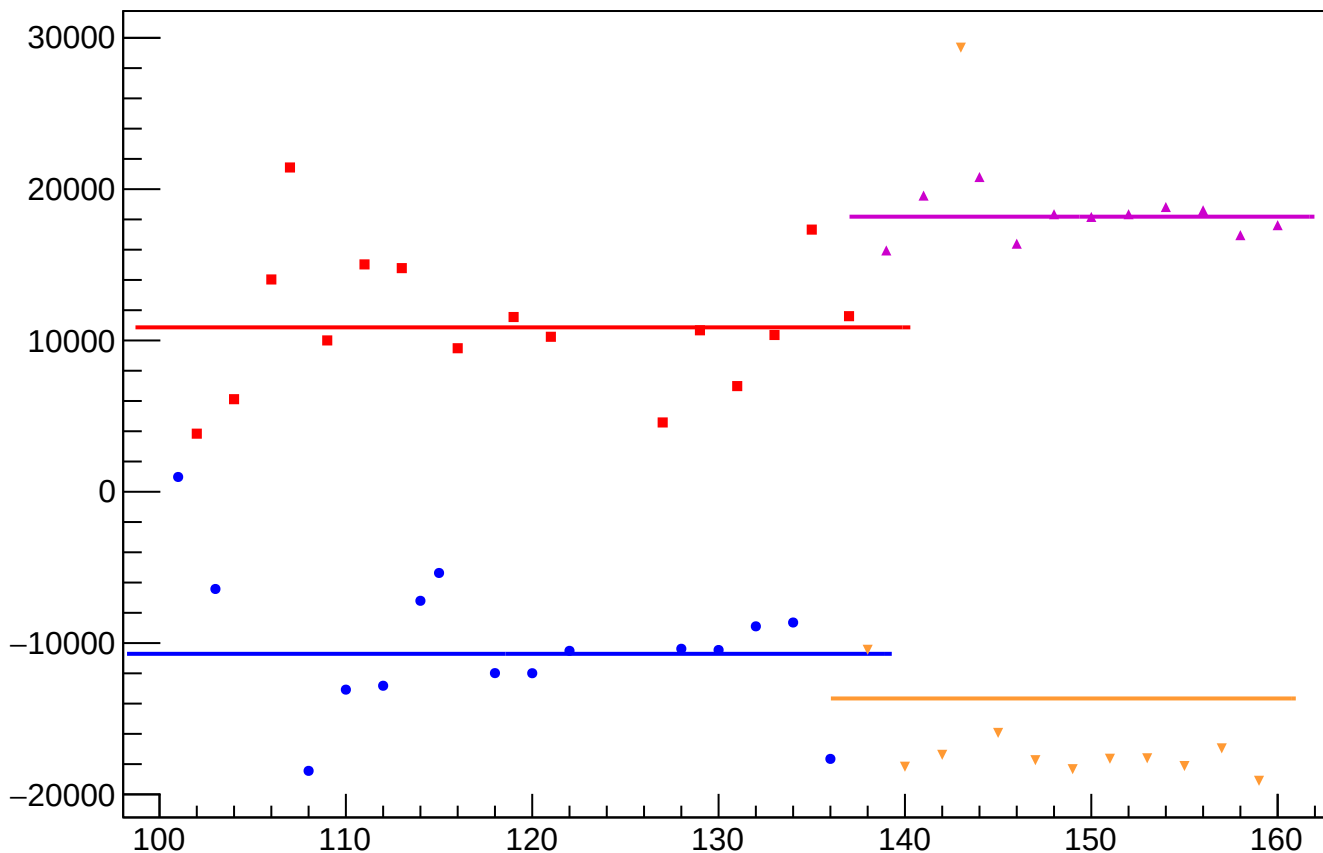
Left: -2.848+/-0.000 χ^2/NDF : 10101220835843143
 Right In: 540.663+/-0.000 χ^2/NDF : 64546819695986774721678785082975846400.0/14
 Left Out: 711.811+/-0.000 χ^2/NDF : 4288675510353598988278439443042402304.0/11
 Right Out: -477.546+/-0.000 χ^2/NDF : 38798306504296954461537116809760604160.0/15
 Left In: -712.092+/-0.000 χ^2/NDF : 34092045920503284936427855101460217856.0/10
 All: 8.592+/-0.000 χ^2/NDF : 14550717865096

dit_usr_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_atl1_coil1_mean vs Slug, Sign Corrected



Right In: -10710.292 +/- 0.000

Left: 2320.964 +/- 0.000 χ^2/NDF : 60629172397315

Left Out: -13660.650 +/- 0.000

Right: 225.546 +/- 0.000 χ^2/NDF : 184316555733630

Right Out: 10866.264 +/- 0.000

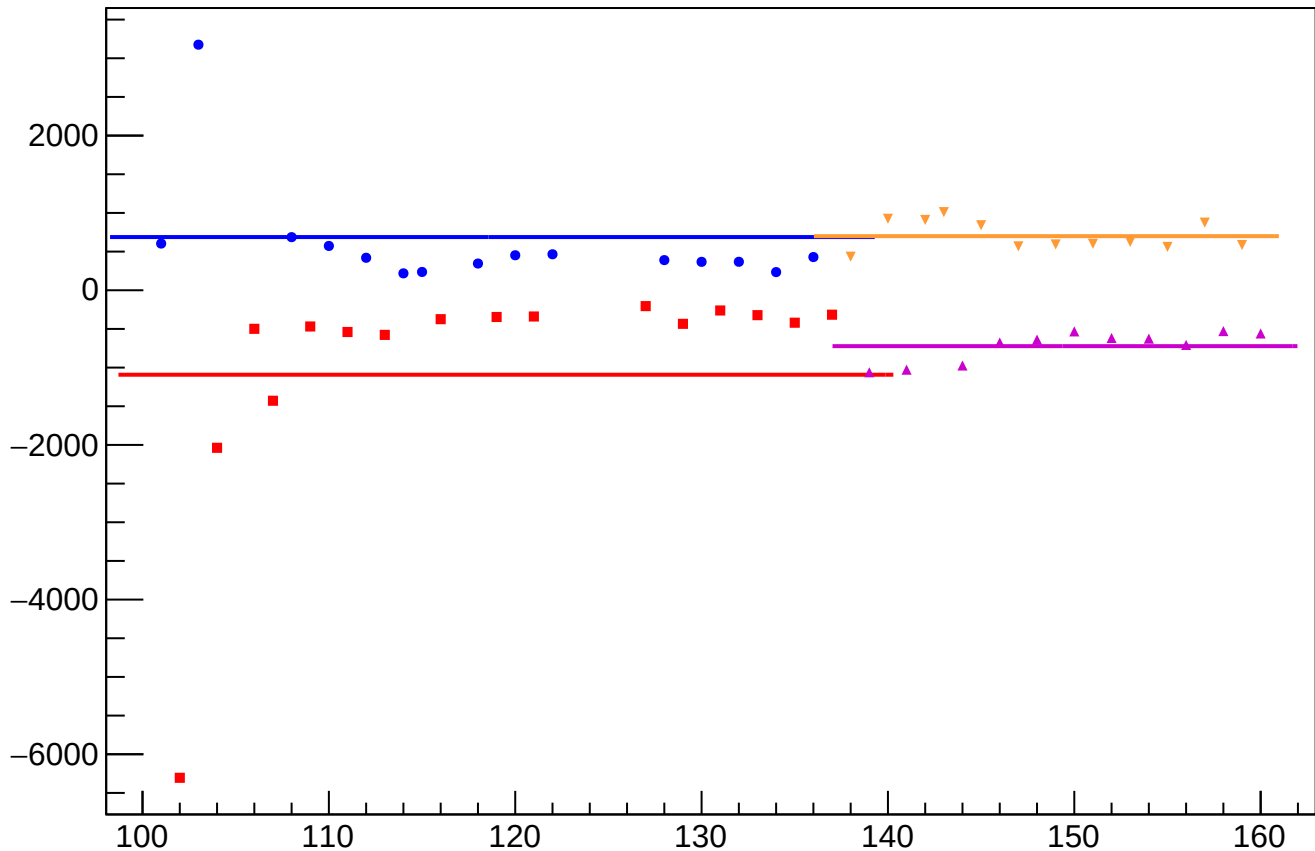
In: 6261.113 +/- 0.000 χ^2/NDF : 336815857232803

Left In: 18181.504 +/- 0.000

Out: -3332.713 +/- 0.000 χ^2/NDF : 38451914020075

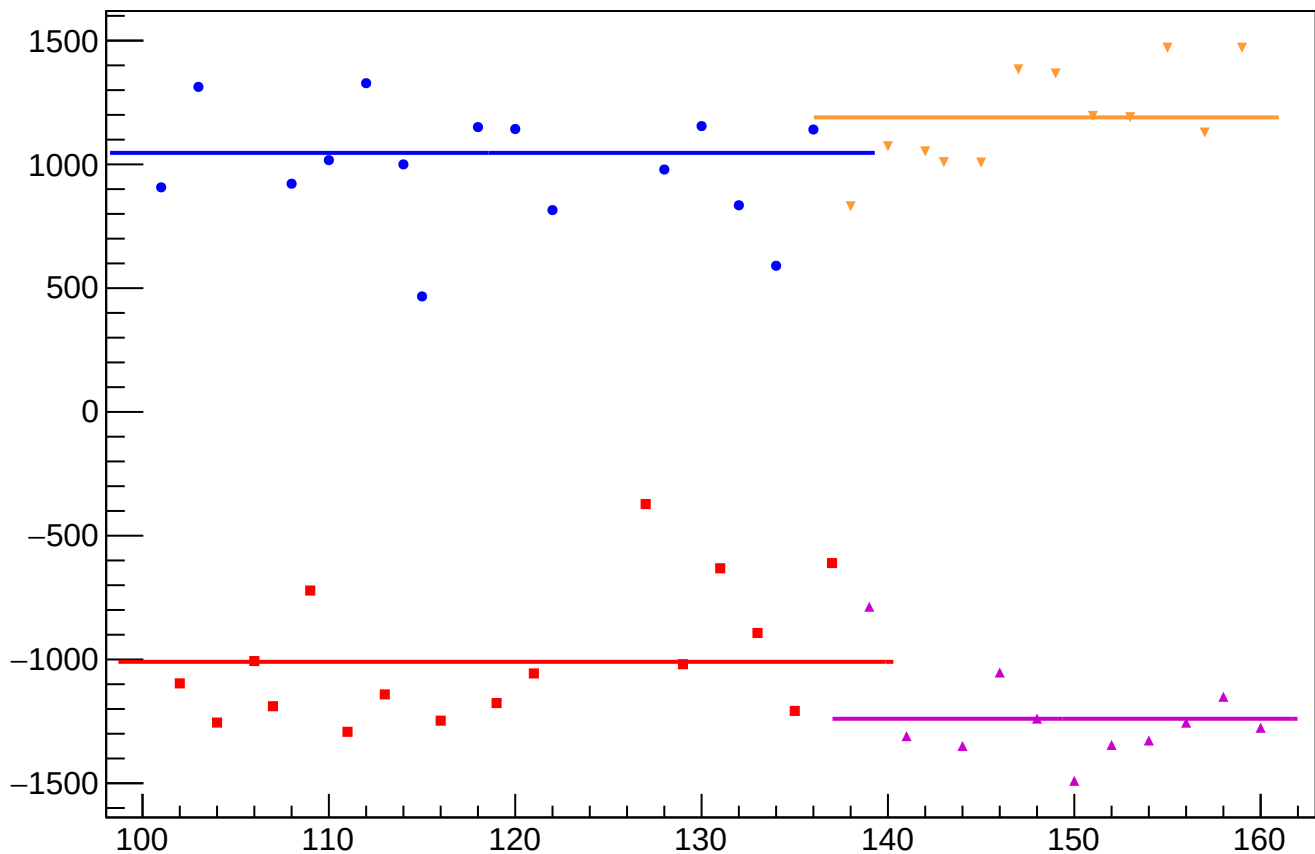
All: 1447.486 +/- 0.000 χ^2/NDF : 7939778643

dit_atl1_coil1_err_mean vs Slug, Sign Corrected



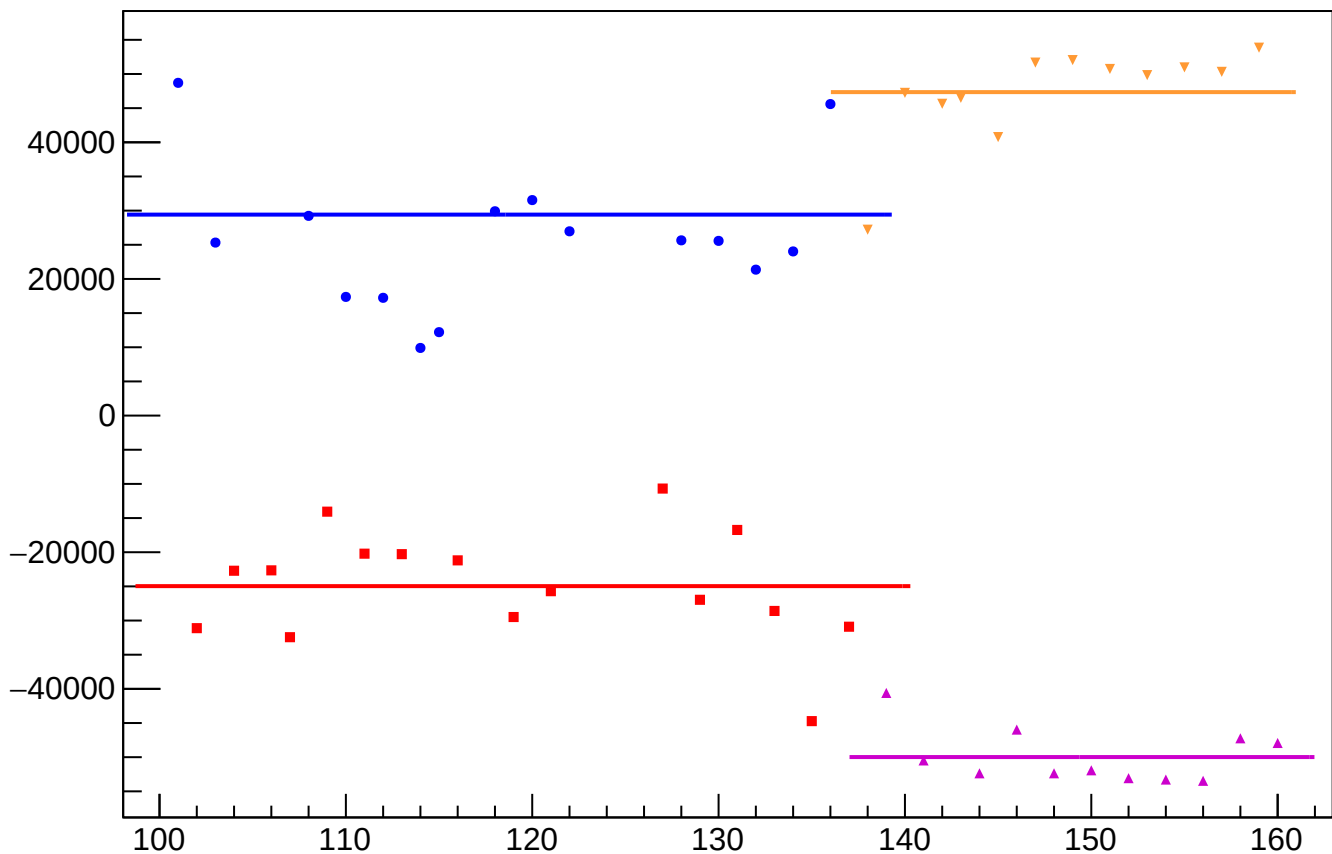
Right In: 687.939 ± 0.000 $\chi^2/\text{NDF}: 409297141104301509817753390759024787456.0/14$
 Left Out: 699.529 ± 0.000 $\chi^2/\text{NDF}: 28282813130903909256088396264464449536.0/11$
 Right Out: -1092.265 ± 0.000 $\chi^2/\text{NDF}: 1883198142929605813456233812946948456448.0/15$
 Left In: -722.743 ± 0.000 $\chi^2/\text{NDF}: 33693137116513948077860330410535288832.0/10$
 All: -97.692 ± 0.000 $\chi^2/\text{NDF}: 435863069477$

dit_atl1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_atl2_coil1_mean vs Slug, Sign Corrected



Right In: 29415.830+/-0.000

χ^2/NDF : 71764989638928082906774979753894809174016.0/14

Left Out: 47346.512+/-0.000

χ^2/NDF : 45161873845138471299889685507142267699200.0/11

Right Out: -24963.010+/-0.000

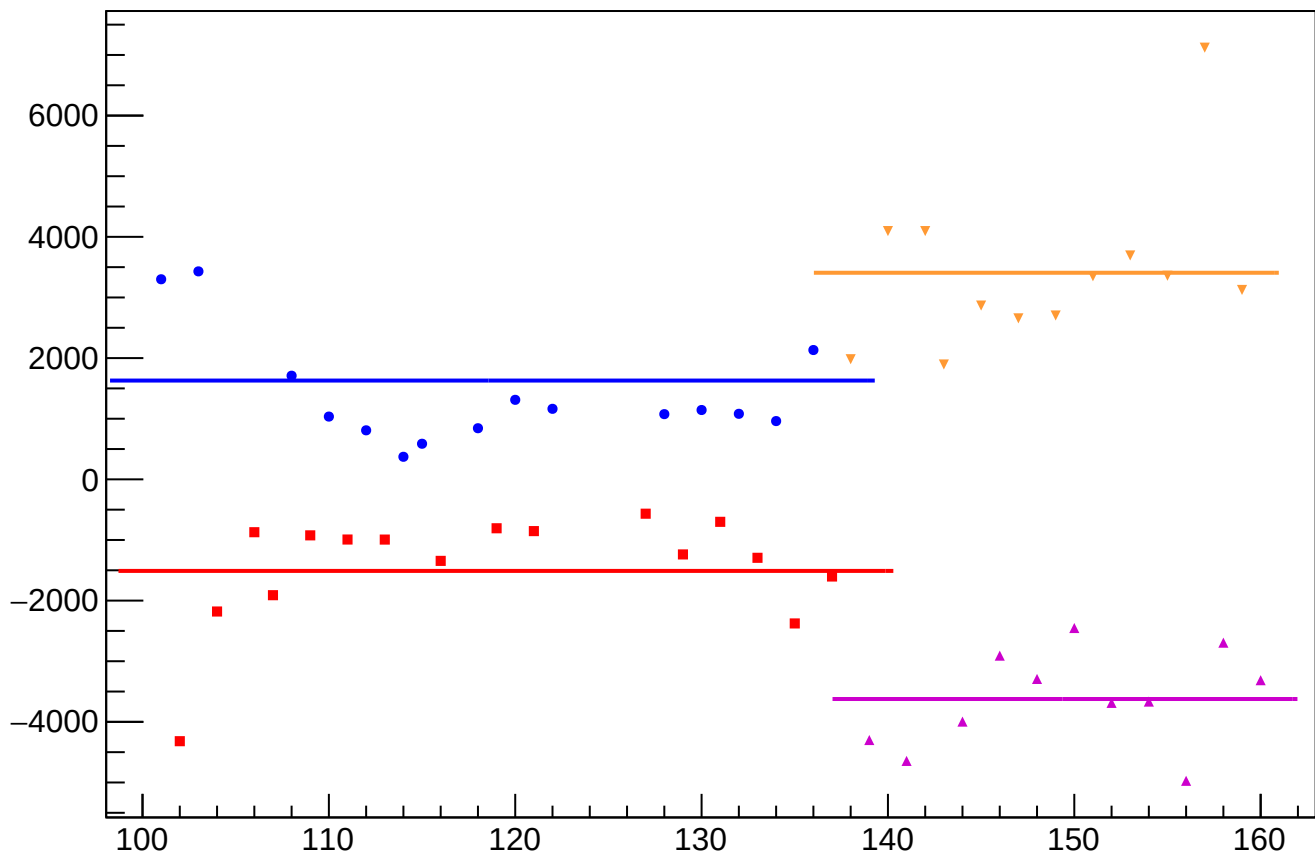
χ^2/NDF : 45631572920122171972835961685494315614208.0/15

Left In: -49982.063+/-0.000

χ^2/NDF : 13505821019305603846121121344717970210816.0/10

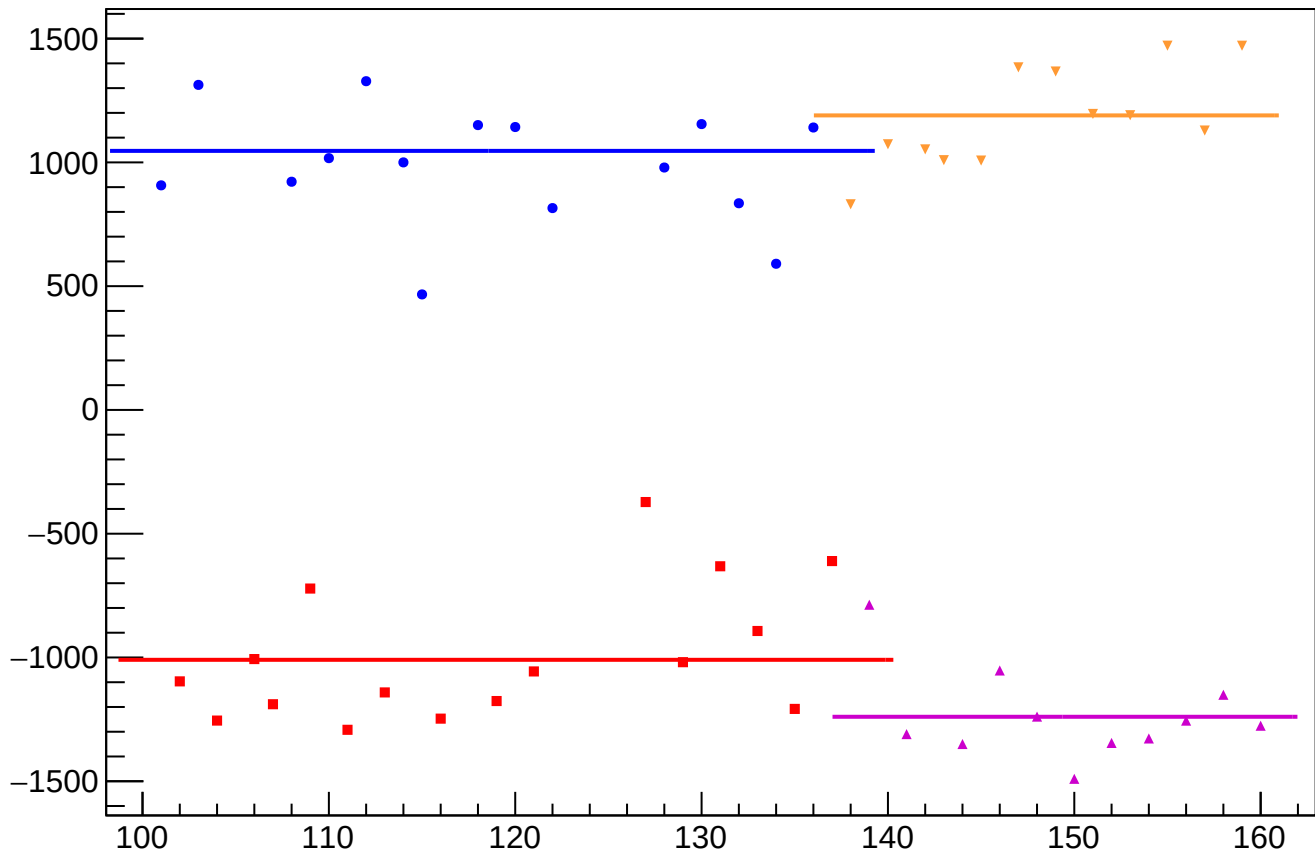
All: -103.303+/-0.000 χ^2/NDF : 55172213672

dit_atl2_coil1_err_mean vs Slug, Sign Corrected



Right In: 1629.542+/-0.000 χ^2/NDF : 551738555355028902194697896437152219136.0/14
 Left Out: 3407.741+/-0.000 χ^2/NDF : 1584870057929033939797166763050451075072.0/11
 Right Out: -1510.293+/-0.000 χ^2/NDF : 688231904046816211321774524619745656832.0/15
 Left In: -3623.095+/-0.000 χ^2/NDF : 537714450371269509719141411292840984576.0/10
 All: -54.683+/-0.000 χ^2/NDF : 293759152191

dit_atl2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000

χ^2/NDF : 24866624766048512267031234680614551552.0/14

Left Out: 1189.821+/-0.000

χ^2/NDF : 35487872642876563282140008444600516608.0/11

Right Out: -1009.445+/-0.000

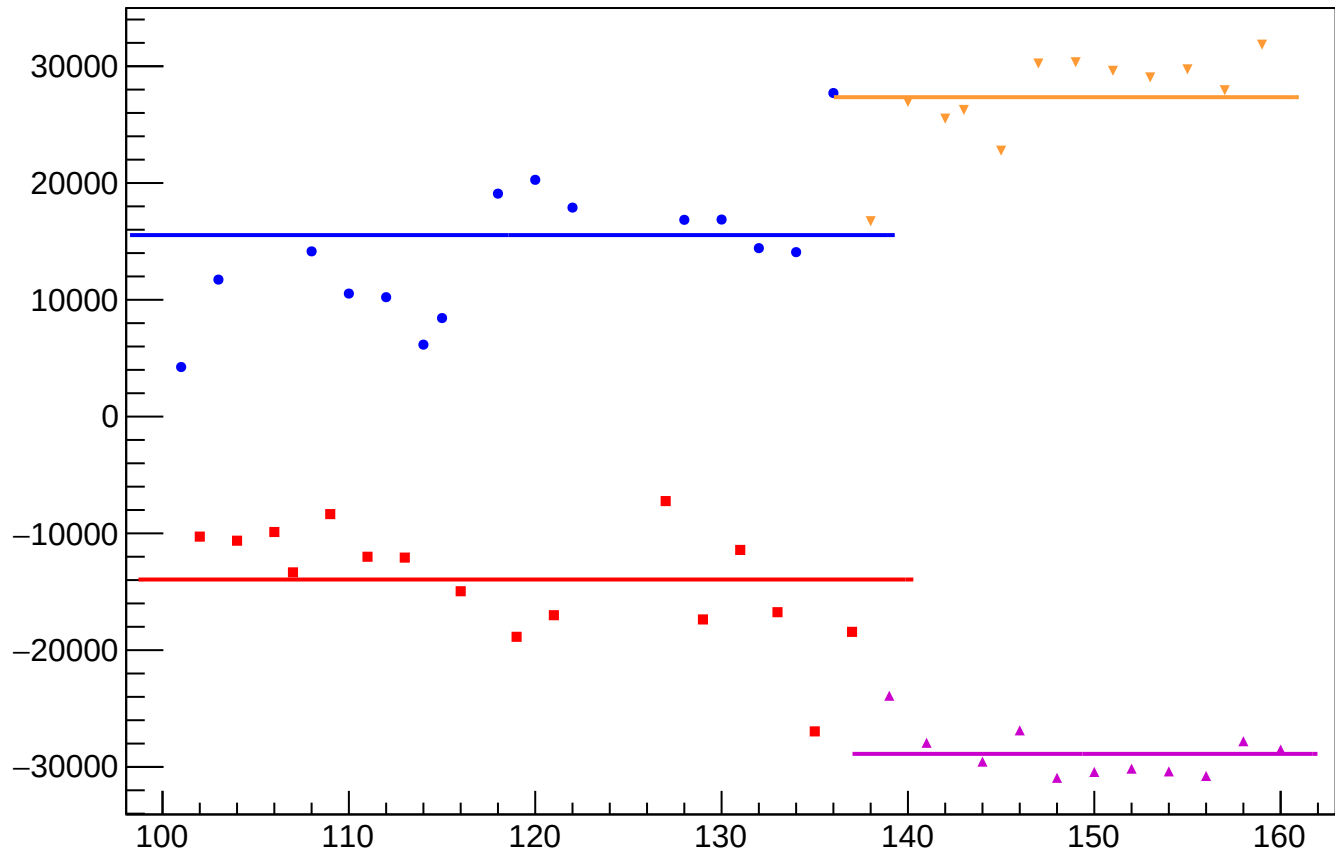
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1239.553+/-0.000

χ^2/NDF : 29116180330425505242594030704390045696.0/10

Left: -29.485+/-0.000 χ^2/NDF : 2780895357711007
 Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576
 In: -296.360+/-0.000 χ^2/NDF : 2046292009130527
 Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_atr1_coil1_mean vs Slug, Sign Corrected



Right In: 15540.787+/-0.000

χ^2/NDF : 27383635886523601832377795383509714468864.0/14

Left Out: 27349.847+/-0.000

χ^2/NDF : 14883456917386062267776172319393710080000.0/11

Right Out: -13951.799+/-0.000

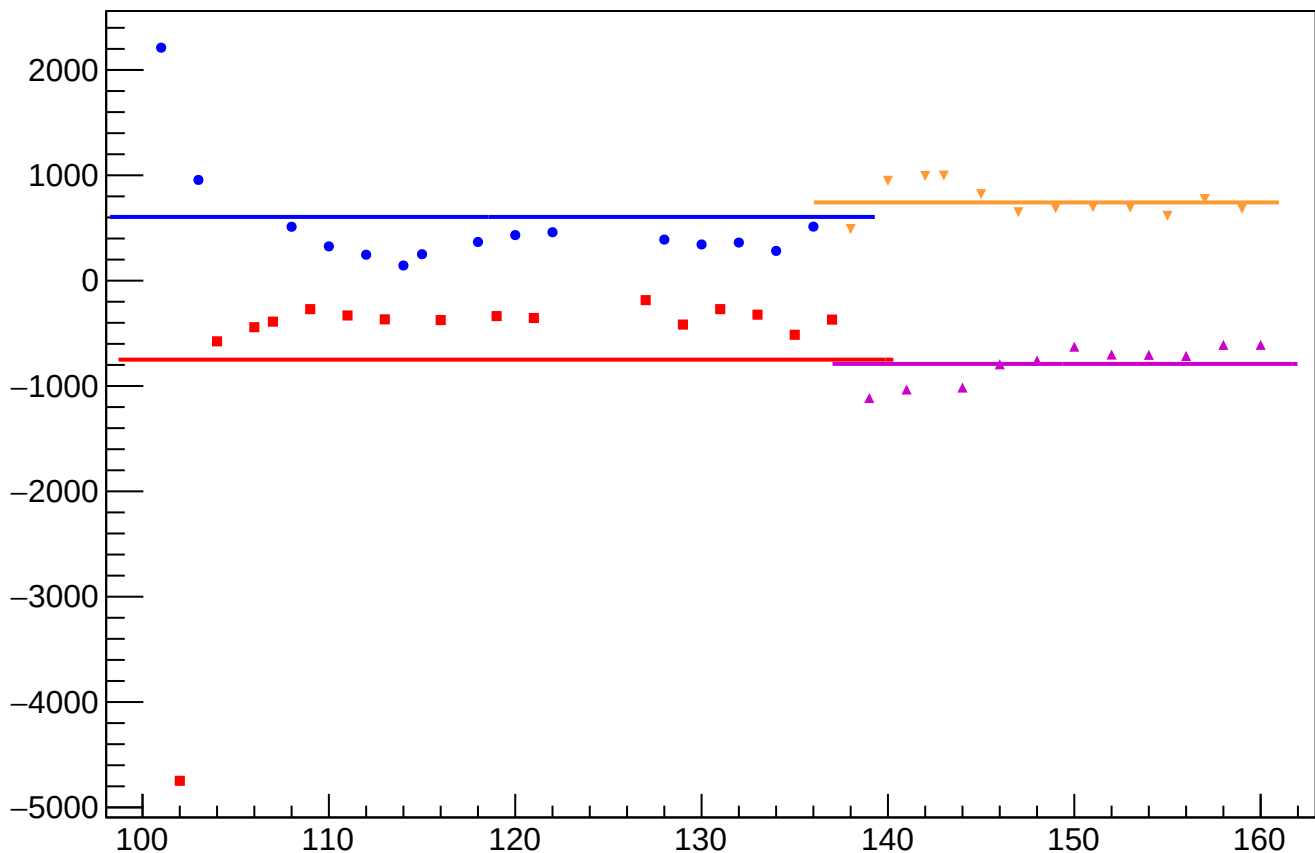
χ^2/NDF : 16954071035739584664612813430748100952064.0/15

Left In: -28881.771+/-0.000

χ^2/NDF : 3761764043421234560623243625754374701056.0/10

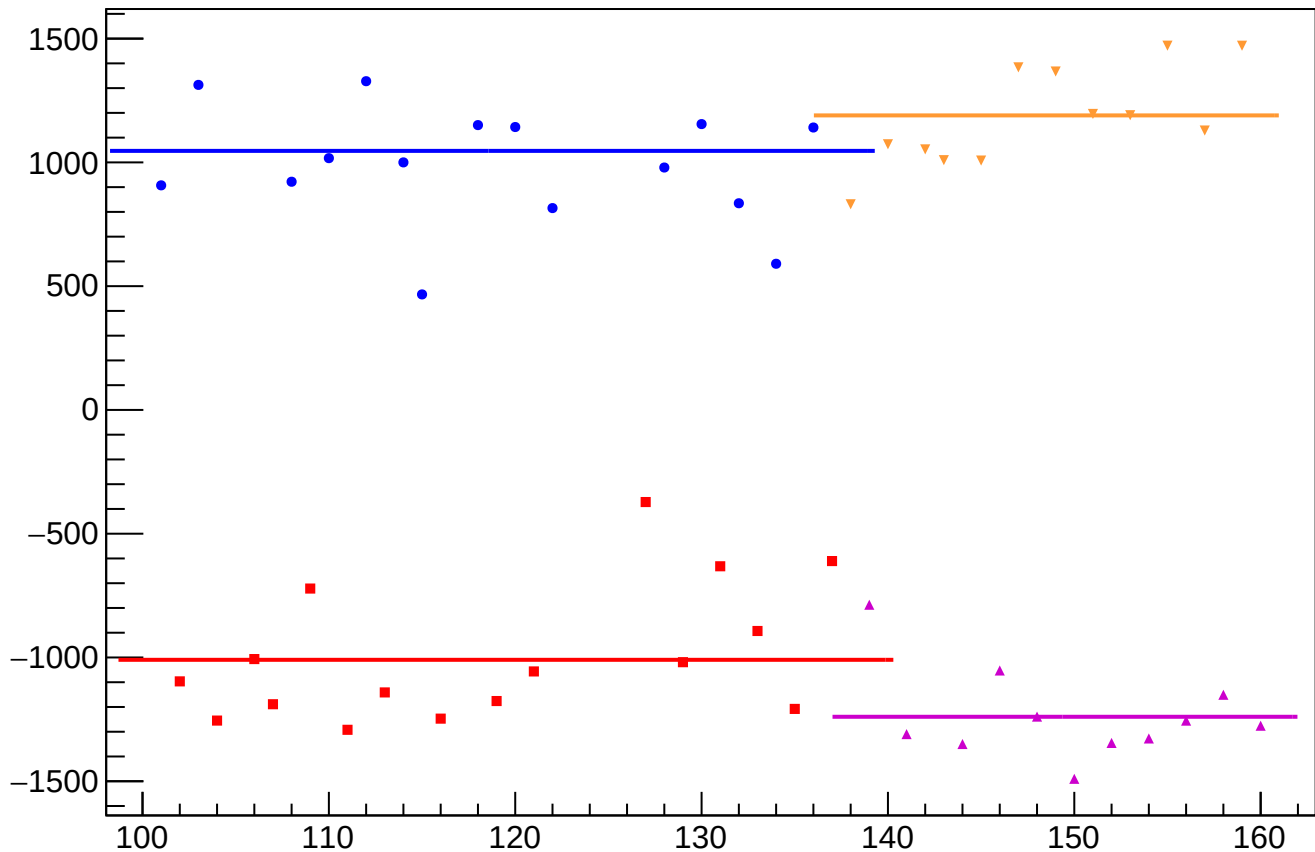
Left: -872.866+/-0.000 χ^2/NDF : 147393231652070
 Right: 592.797+/-0.000 χ^2/NDF : 330452519024961
 In: -10553.583+/-0.000 χ^2/NDF : 78345234476082
 Out: 9958.308+/-0.000 χ^2/NDF : 690517876492303
 All: -261.903+/-0.000 χ^2/NDF : 18060333909

dit_atr1_coil1_err_mean vs Slug, Sign Corrected



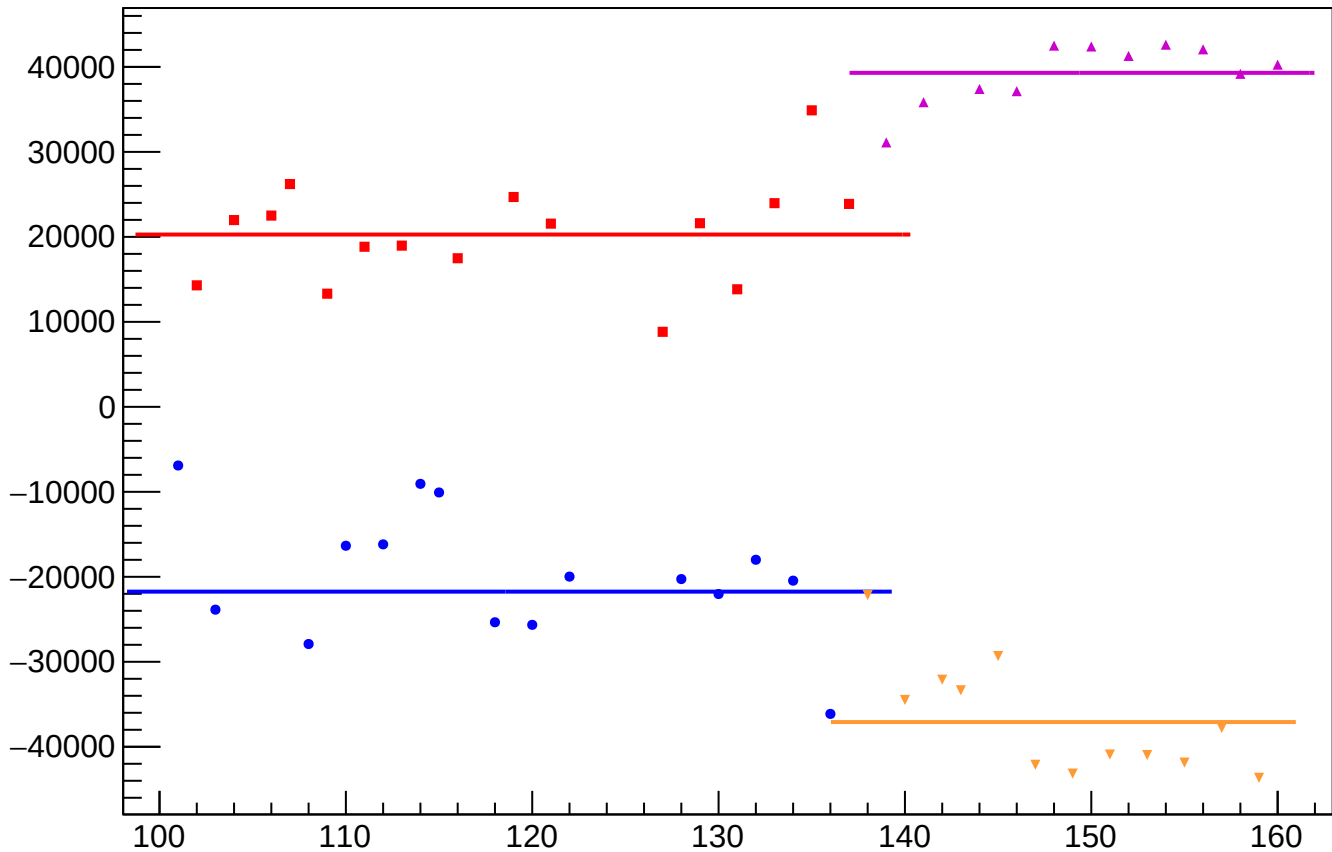
Right In: 605.034+/-0.000 χ^2/NDF : 189401522791607614448600157723362852864.0/14
 Left Out: 742.547+/-0.000 χ^2/NDF : 19133072840660474437485049781053030400.0/11
 Right Out: -749.582+/-0.000 χ^2/NDF : 1021358768377495935693748779804344188928.0/15
 Left In: -790.283+/-0.000 χ^2/NDF : 27375995163011560101349166949437800448.0/10
 All: -49.607+/-0.000 χ^2/NDF : 294454152400

dit_atr1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 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: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_atr2_coil1_mean vs Slug, Sign Corrected



Right In: -21743.360+/-0.000

Left Out: -37089.024+/-0.000

Right Out: 20275.415+/-0.000

Left In: 39301.203+/-0.000

χ^2/NDF : 41106858823579527325198675675398793068544.0/14

χ^2/NDF : 37696615174692315635920208068597564571648.0/11

χ^2/NDF : 25935869132092920231681532417627320745984.0/15

χ^2/NDF : 10890557195828480655850873156116452212736.0/10

Left: 1251.318+/-0.000 χ^2/NDF : 273432195857747

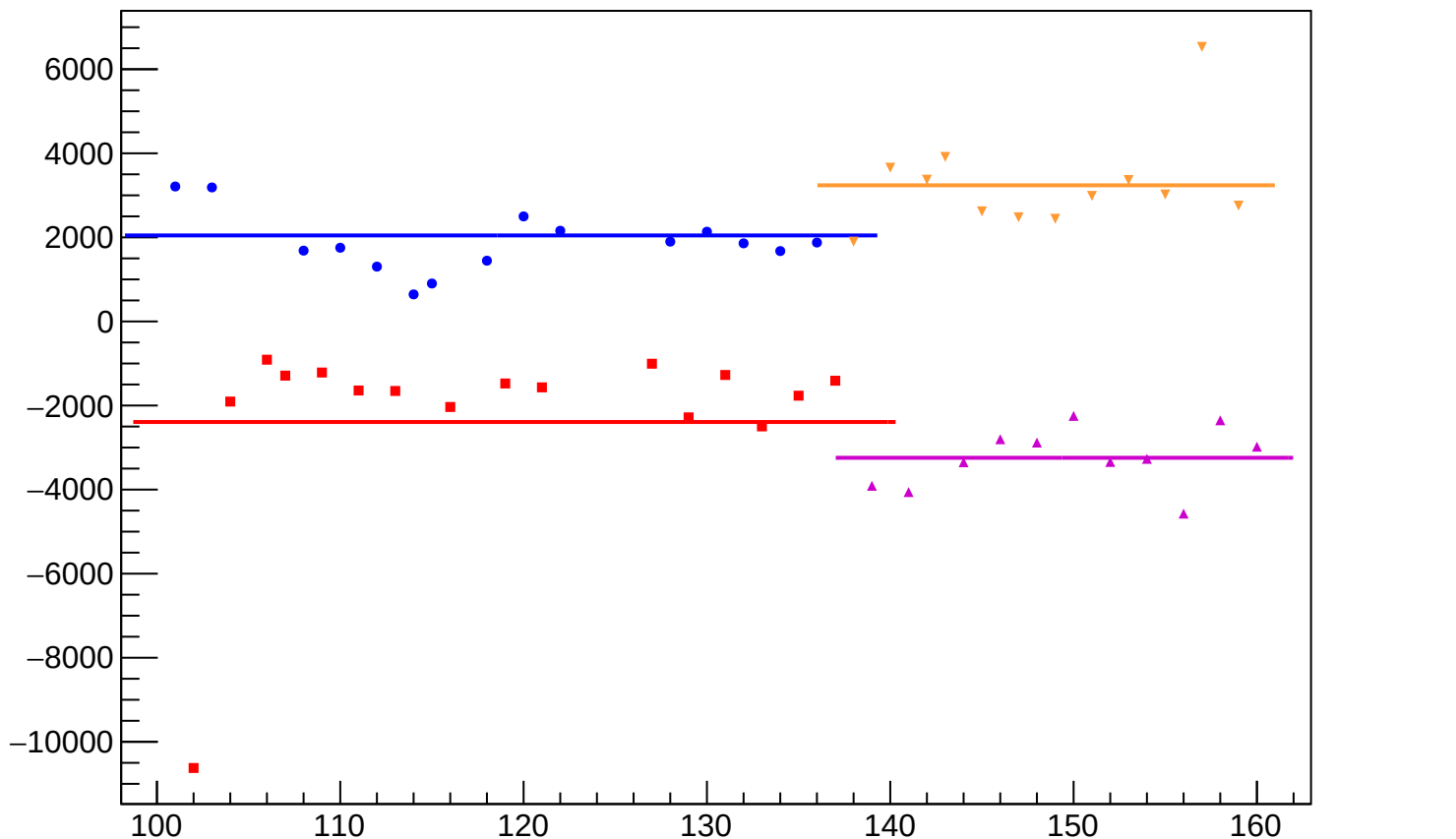
Right: -446.610+/-0.000 χ^2/NDF : 64780902874572

In: 14114.985+/-0.000 χ^2/NDF : 147263048816292

Out: -12933.670+/-0.000 χ^2/NDF : 1334281188451

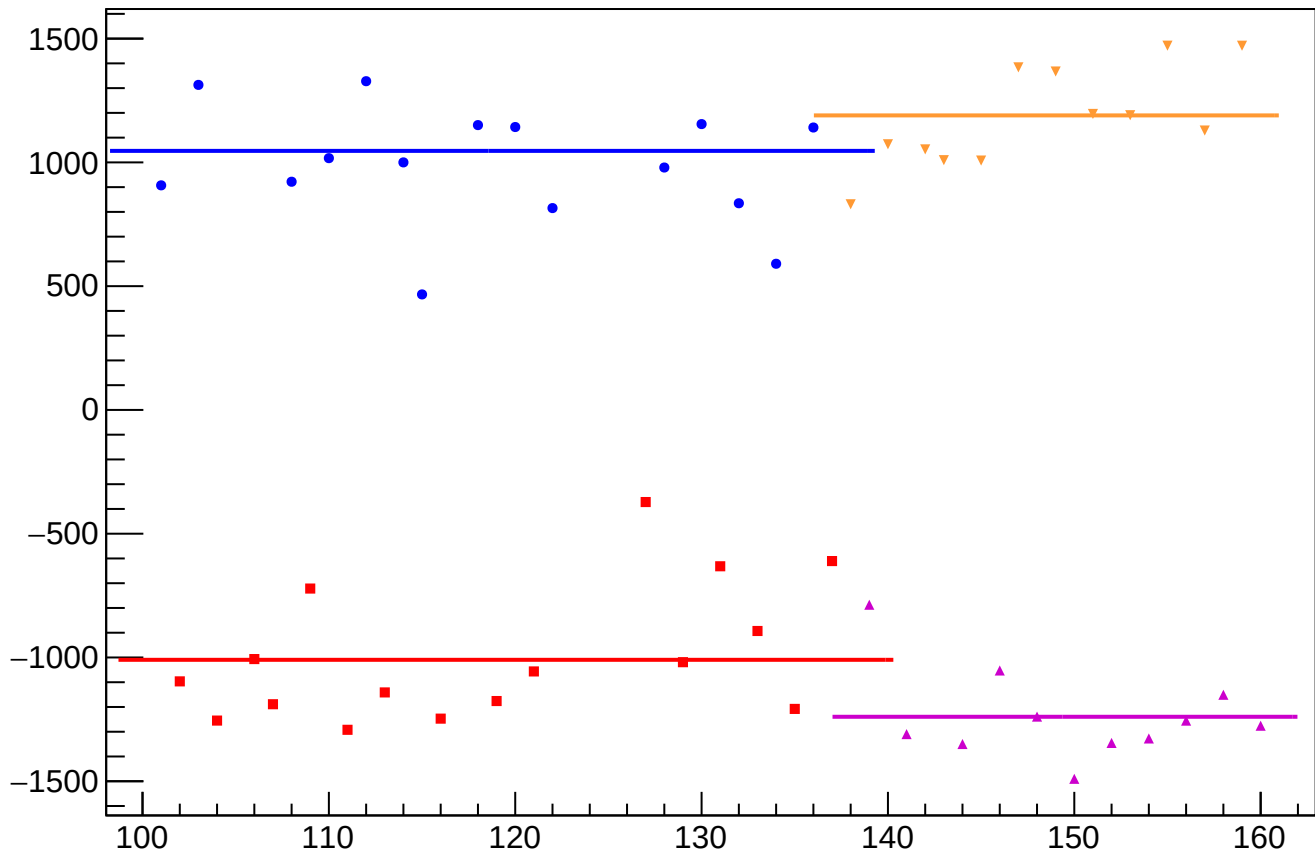
All: 543.534+/-0.000 χ^2/NDF : 338434343792

dit_atr2_coil1_err_mean vs Slug, Sign Corrected



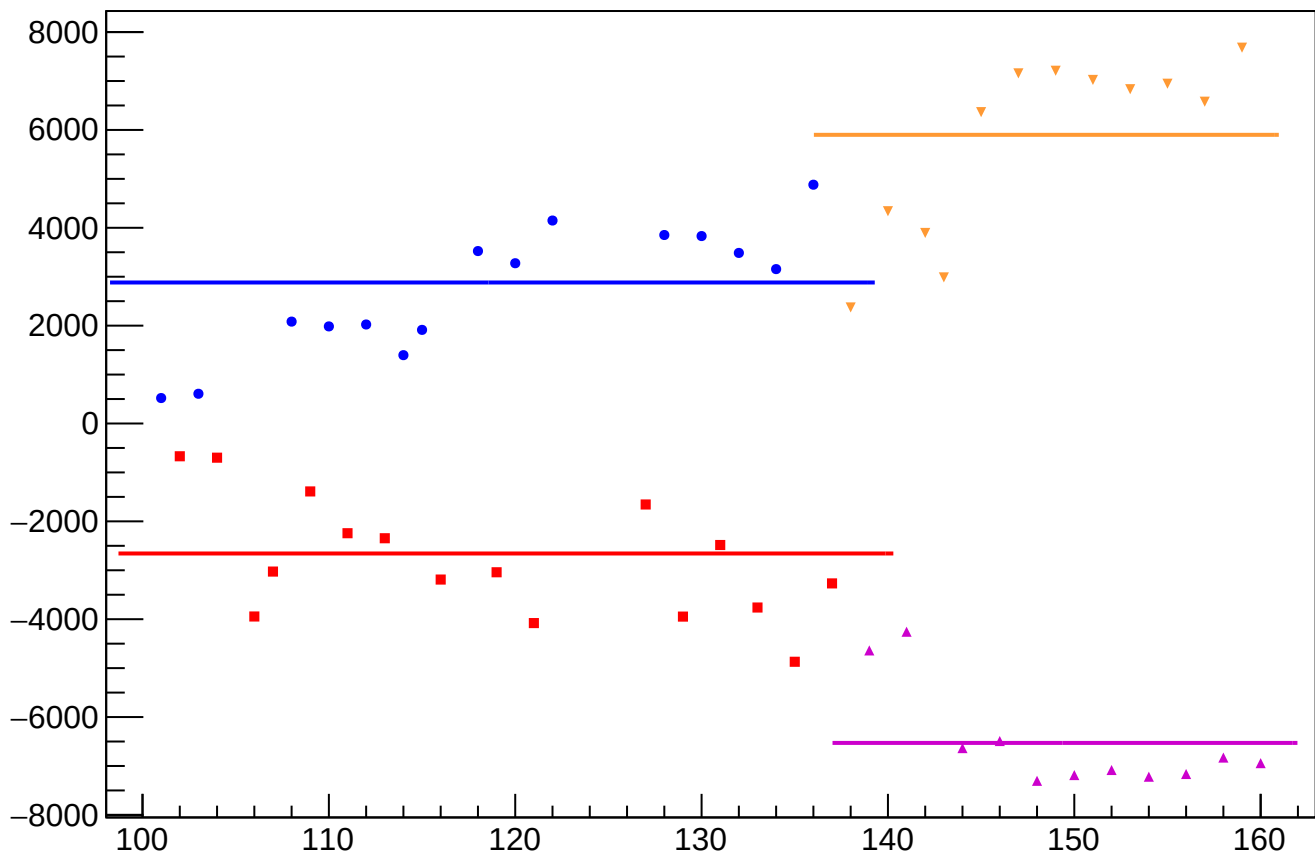
Right In: 2046.354+/-0.000 χ^2/NDF : 266555515927348892036833058355226345472.0/14
 Left Out: 3238.684+/-0.000 χ^2/NDF : 1200935390034847061403610621854649155584.0/11
 Right Out: -2391.939+/-0.000 χ^2/NDF : 4415294964789778815259357544579499819008.0/15
 Left In: -3243.479+/-0.000 χ^2/NDF : 422752345809564414875941115453230809088.0/10
 All: -93.266+/-0.000 χ^2/NDF : 321510662885

dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected



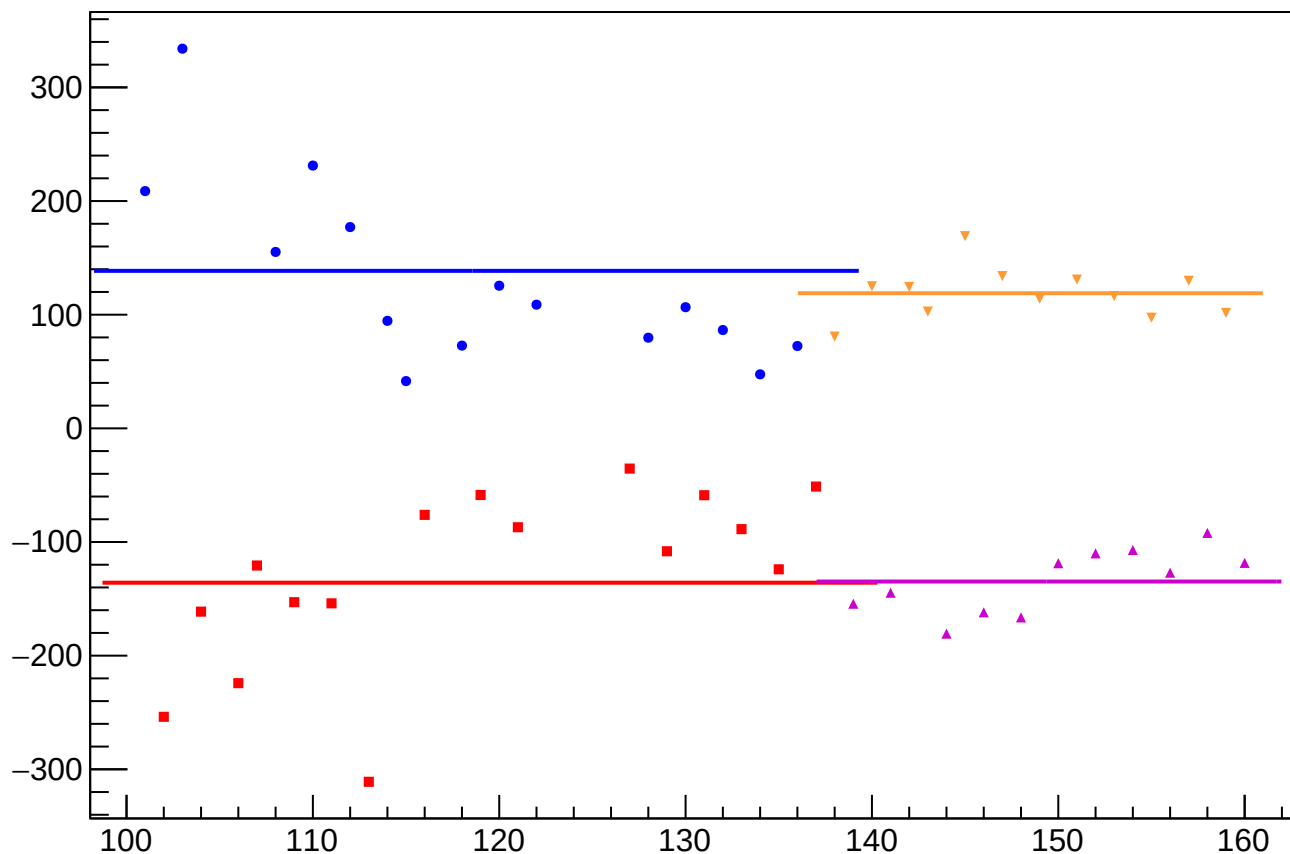
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_sam1_coil1_mean vs Slug, Sign Corrected



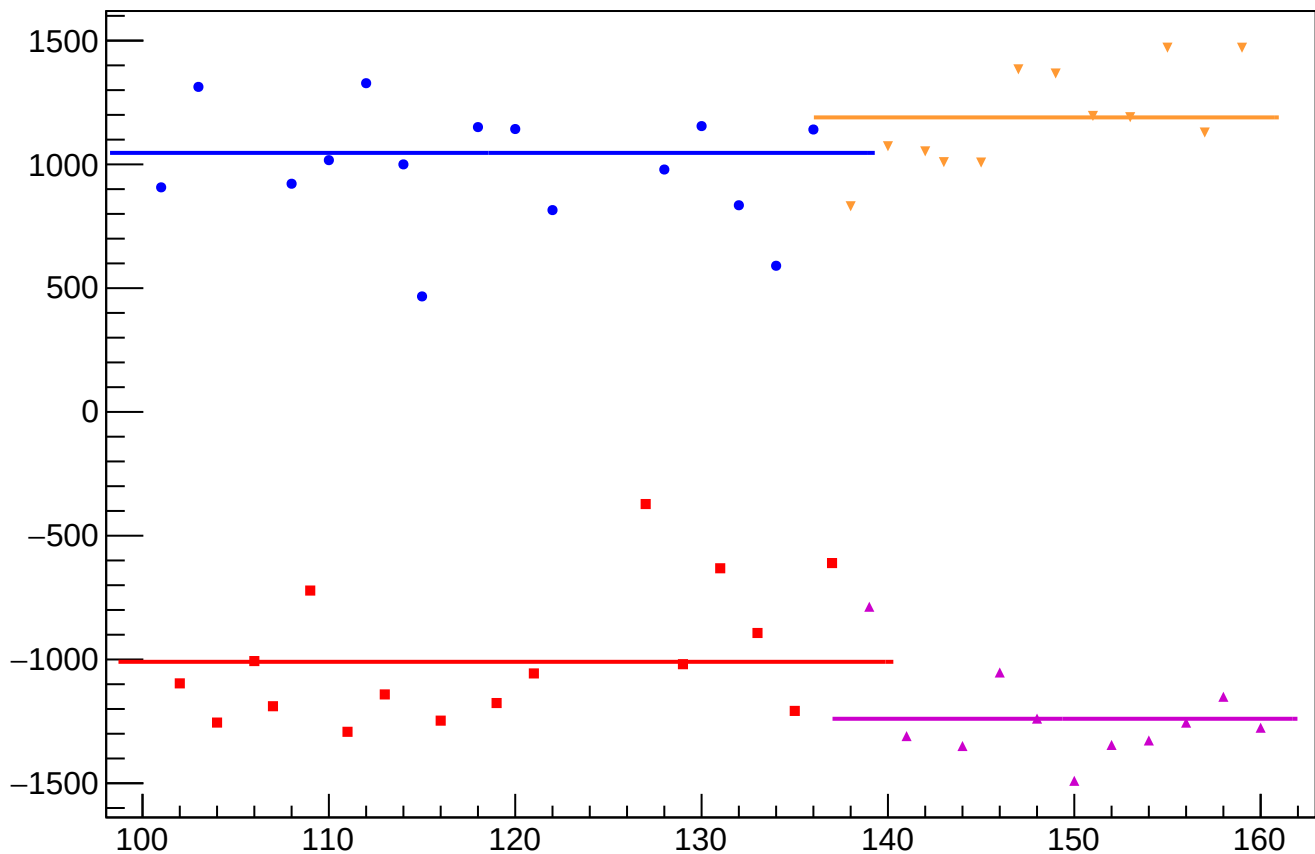
Right In: 2881.935 $\pm$ 0.000 χ^2 /NDF: 1320319391496525533692082365878834823168.0/14
 Left Out: 5900.145 $\pm$ 0.000 χ^2 /NDF: 2757689906494435175416115853599080185856.0/11
 Right Out: -2656.918 $\pm$ 0.000 χ^2 /NDF: 1077696846216053561130716877125509447680.0/15
 Left In: -6528.681 $\pm$ 0.000 χ^2 /NDF: 940619832290547661204641528694924378112.0/10
 All: -165.935 $\pm$ 0.000 χ^2 /NDF: 87414816042

dit_sam1_coil1_err_mean vs Slug, Sign Corrected



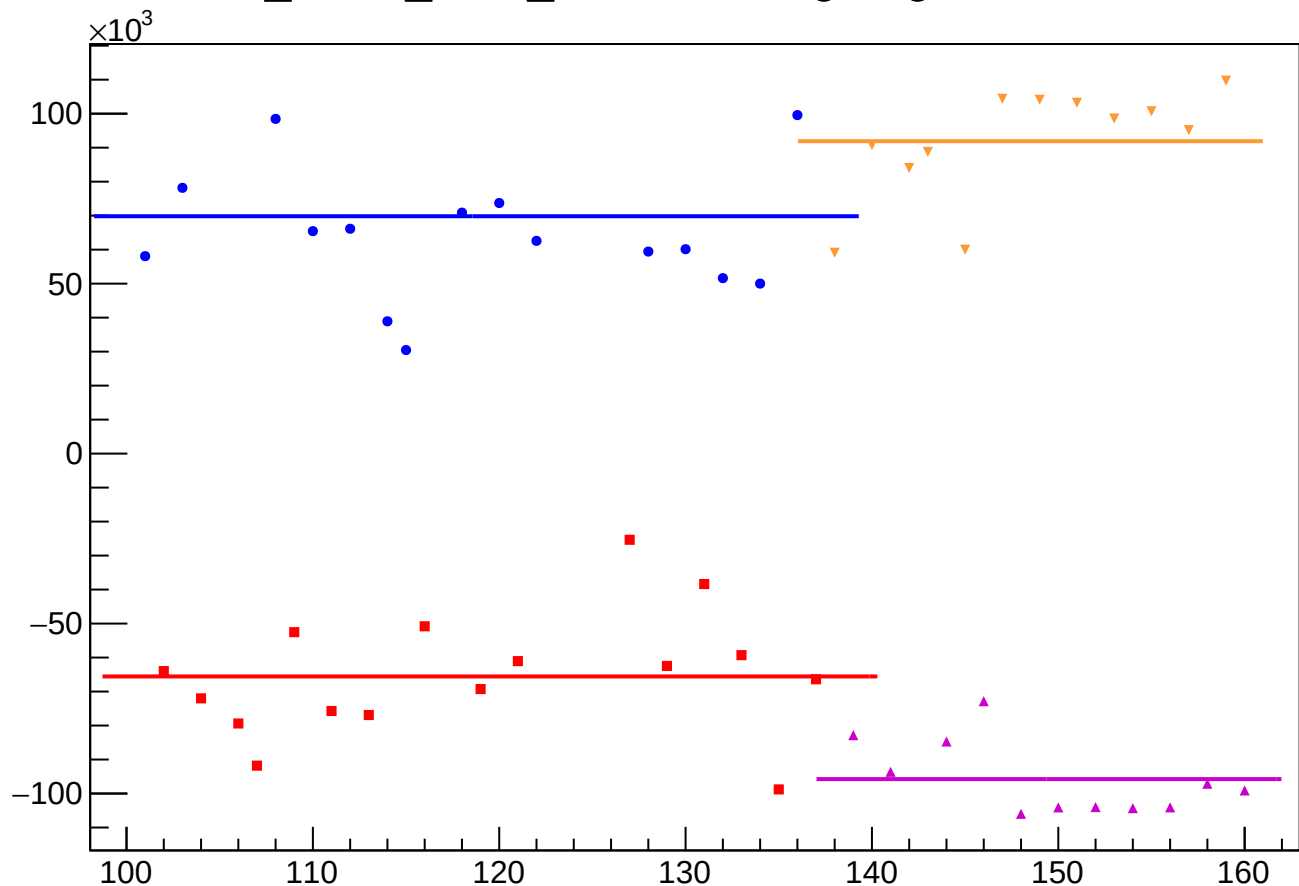
Right In: 138.577 $\pm$ 0.000 χ^2 /NDF: 4242369889979811373883774021335515136.0/14
 Left Out: 118.892 $\pm$ 0.000 χ^2 /NDF: 441331340602238377798748666087866368.0/11
 Right Out: -135.809 $\pm$ 0.000 χ^2 /NDF: 3956401741862524263243160868173643776.0/15
 Left In: -134.785 $\pm$ 0.000 χ^2 /NDF: 689808602632315539029860685392642048.0/10
 All: -5.121 $\pm$ 0.000 χ^2 /NDF: 6376084521741

dit_sam1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_sam2_coil1_mean vs Slug, Sign Corrected



Right In: 69827.797 $\pm$ 0.000

Left Out: 91909.028 $\pm$ 0.000

Right Out: -65555.147 $\pm$ 0.000

Left In: -95749.411 $\pm$ 0.000

χ^2 /NDF: 187803282116493131197684060541288926150656.0/14

χ^2 /NDF: 240792875976910962309751824422513810604032.0/11

χ^2 /NDF: 212001467811386750910625783195999741673472.0/15

χ^2 /NDF: 102376761881530271427340284738693826084864.0/10

Left: -2276.957 $\pm$ 0.000 χ^2 /NDF: 16550956478626

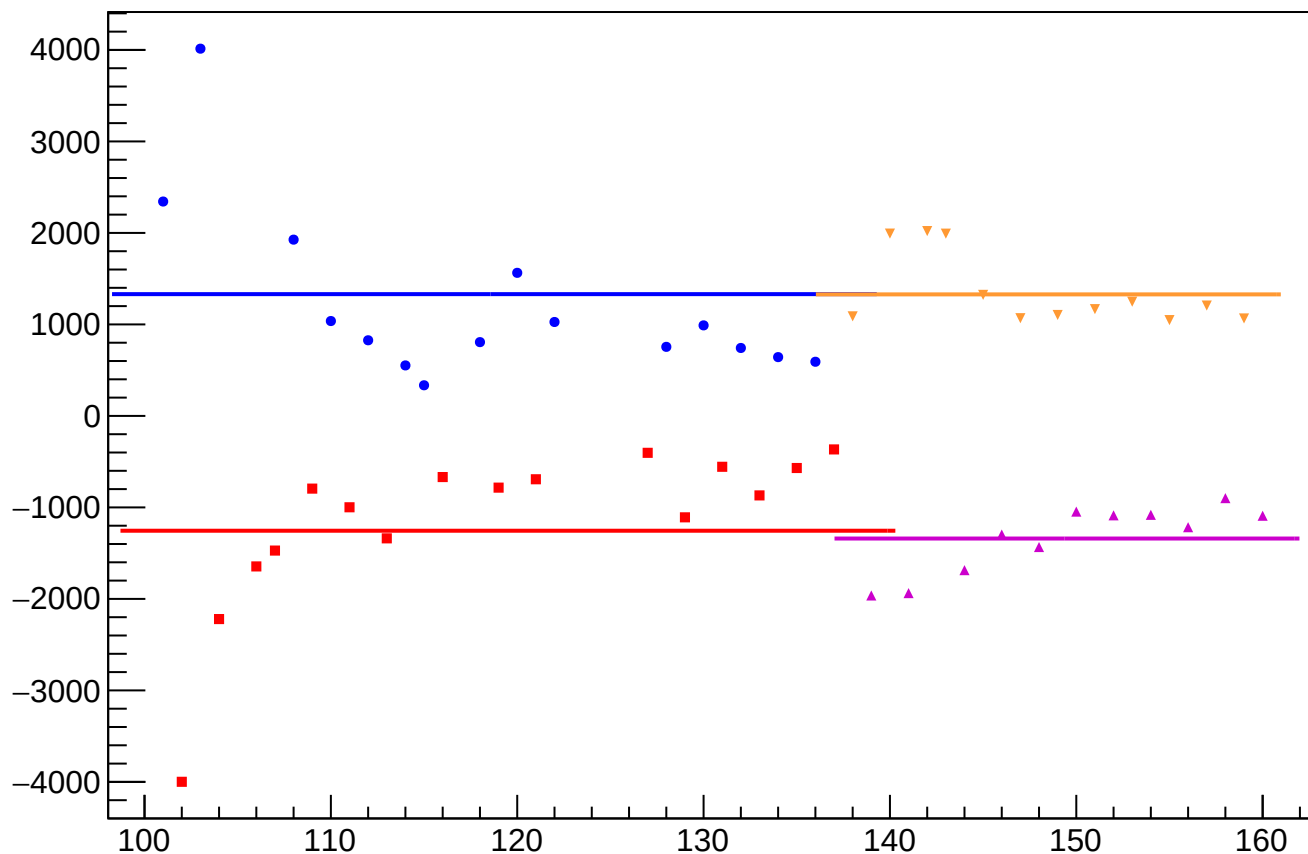
Right: 1210.454 $\pm$ 0.000 χ^2 /NDF: 64287668357099

In: -27434.339 $\pm$ 0.000 χ^2 /NDF: 10741931116501

Out: 25603.090 $\pm$ 0.000 χ^2 /NDF: 10027016853732

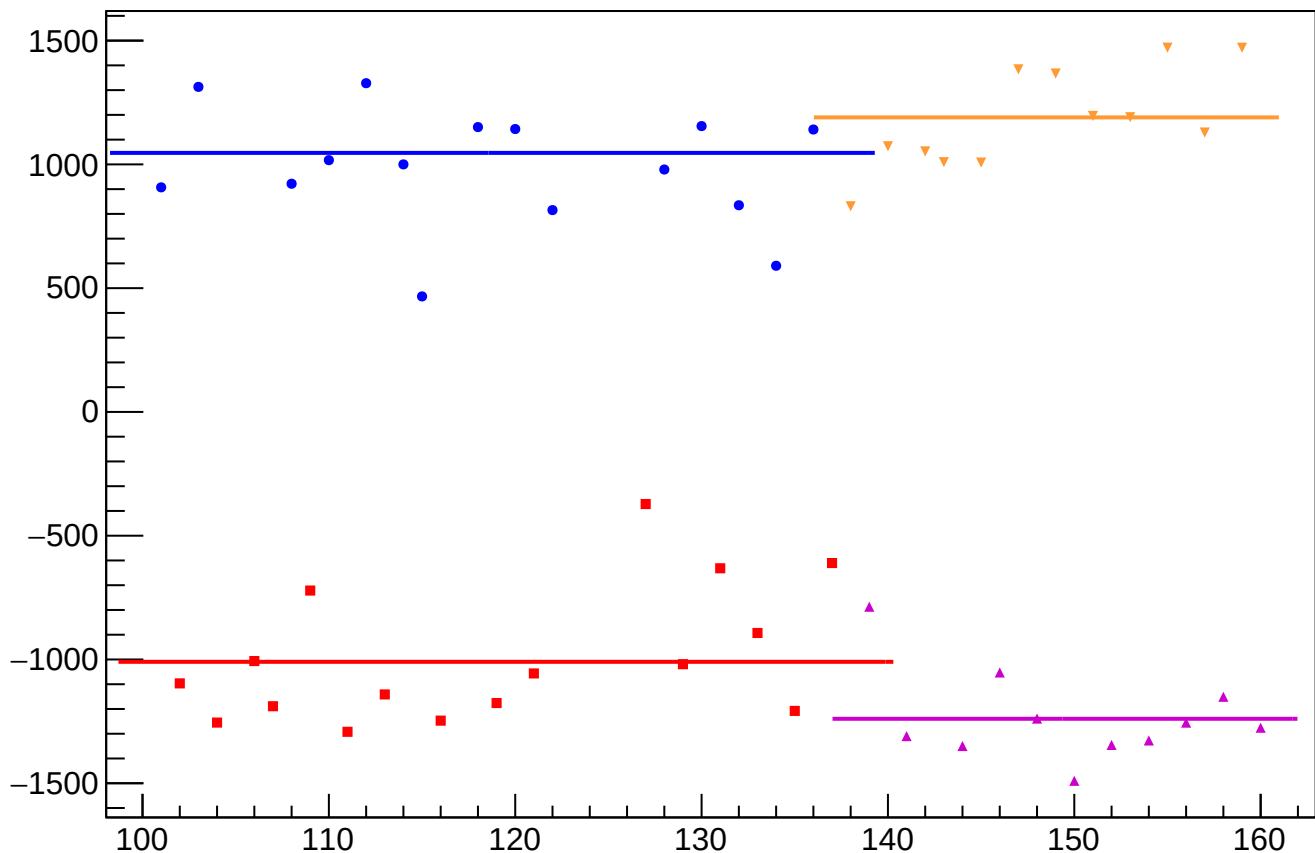
All: -823.225 $\pm$ 0.000 χ^2 /NDF: 22989056744

dit_sam2_coil1_err_mean vs Slug, Sign Corrected



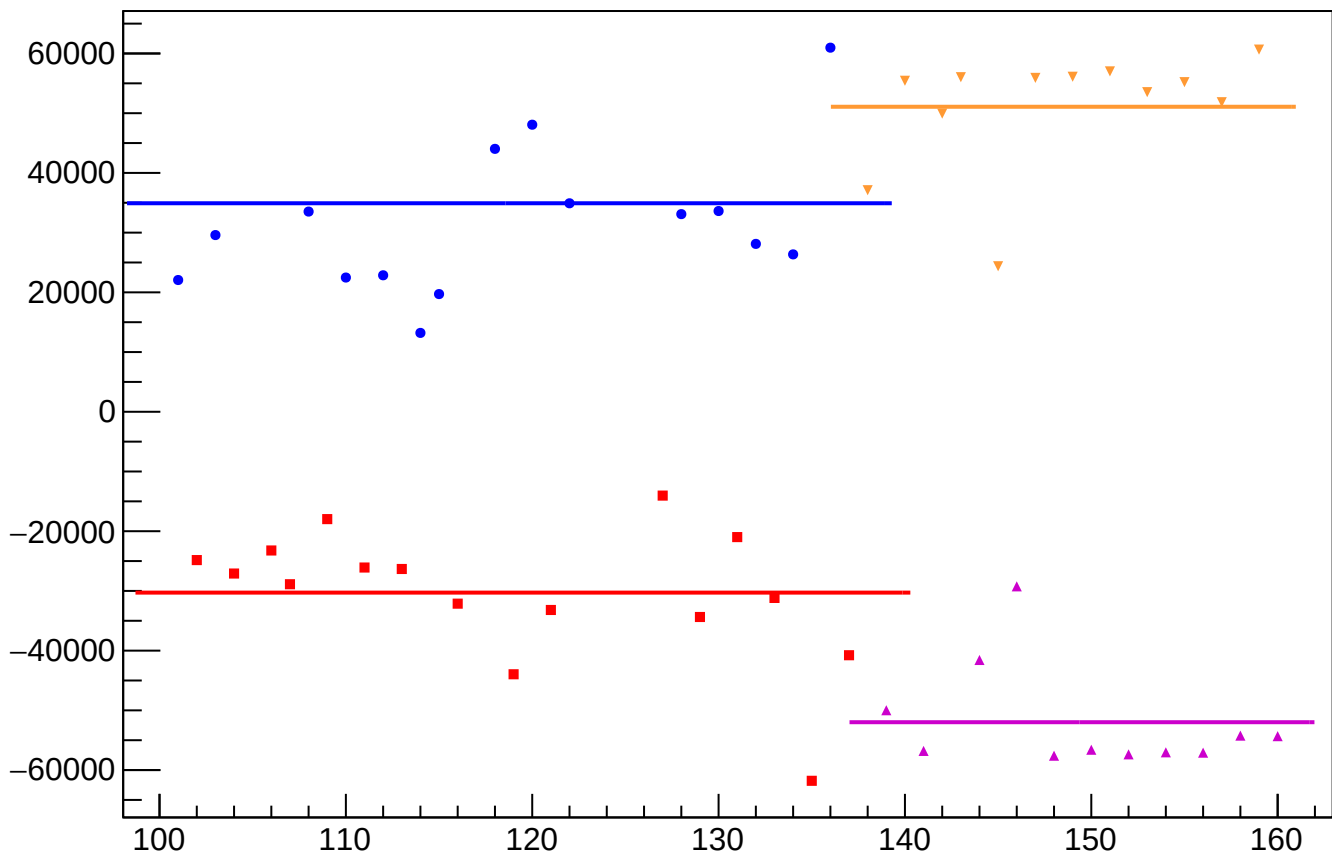
Right In: 1330.956+/-0.000 χ^2/NDF : 649481263842681659449409147059572834304.0/14
 Left Out: 1328.309+/-0.000 χ^2/NDF : 117346287967386958303859795101623517184.0/11
 Right Out: -1254.871+/-0.000 χ^2/NDF : 632140068983304062809817716800861765632.0/15
 Left In: -1340.185+/-0.000 χ^2/NDF : 114204911168201277023830767366477709312.0/10
 All: 2.065+/-0.000 χ^2/NDF : 69907059694753

dit_sam2_coil1_Ndata_mean vs Slug, Sign Corrected



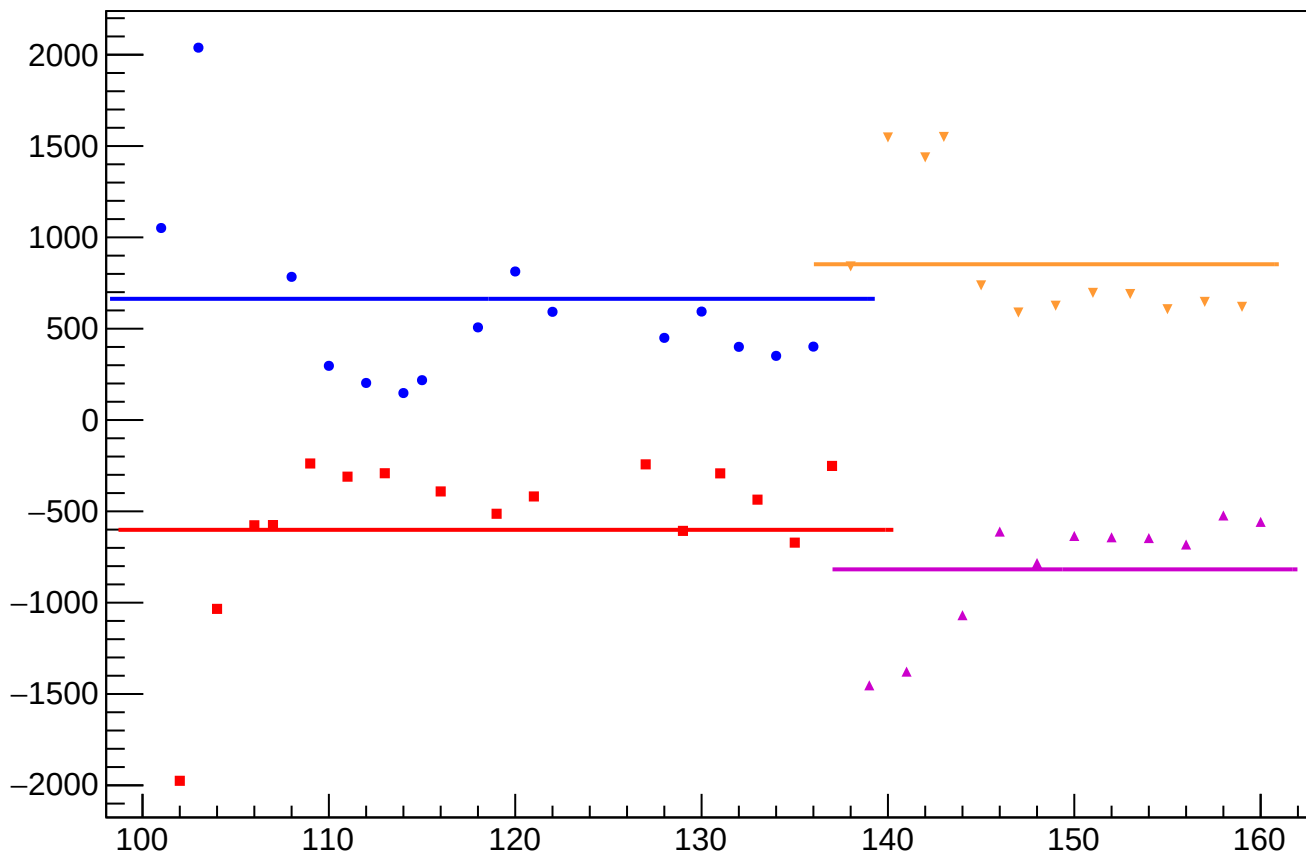
Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_sam3_coil1_mean vs Slug, Sign Corrected



Right In: 34919.716 ± 0.000 $\chi^2/\text{NDF}: 106387385440718622155122541848729997017088.0/14$
 Left Out: 51078.913 ± 0.000 $\chi^2/\text{NDF}: 92171566183632008367490399553102026899456.0/11$
 Right Out: -30282.373 ± 0.000 $\chi^2/\text{NDF}: 88346165266593126627598951693506073067520.0/15$
 Left In: -51985.374 ± 0.000 $\chi^2/\text{NDF}: 67172587579518863379504132116294676774912.0/10$
 All: 402.100 ± 0.000 $\chi^2/\text{NDF}: 664619739497$

dit_sam3_coil1_err_mean vs Slug, Sign Corrected



Right In: 663.574+/-0.000

χ^2/NDF : 157691812872720822886914966597312446464.0/14

Left Out: 852.828+/-0.000

χ^2/NDF : 115391521173207267272974066416613326848.0/11

Right Out: -601.216+/-0.000

χ^2/NDF : 149717884331889332339995334350831878144.0/15

Left In: -817.657+/-0.000

χ^2/NDF : 90429548723715663326805299076811194368.0/10

Left: 14.410+/-0.000 χ^2/NDF : 14901385915040092

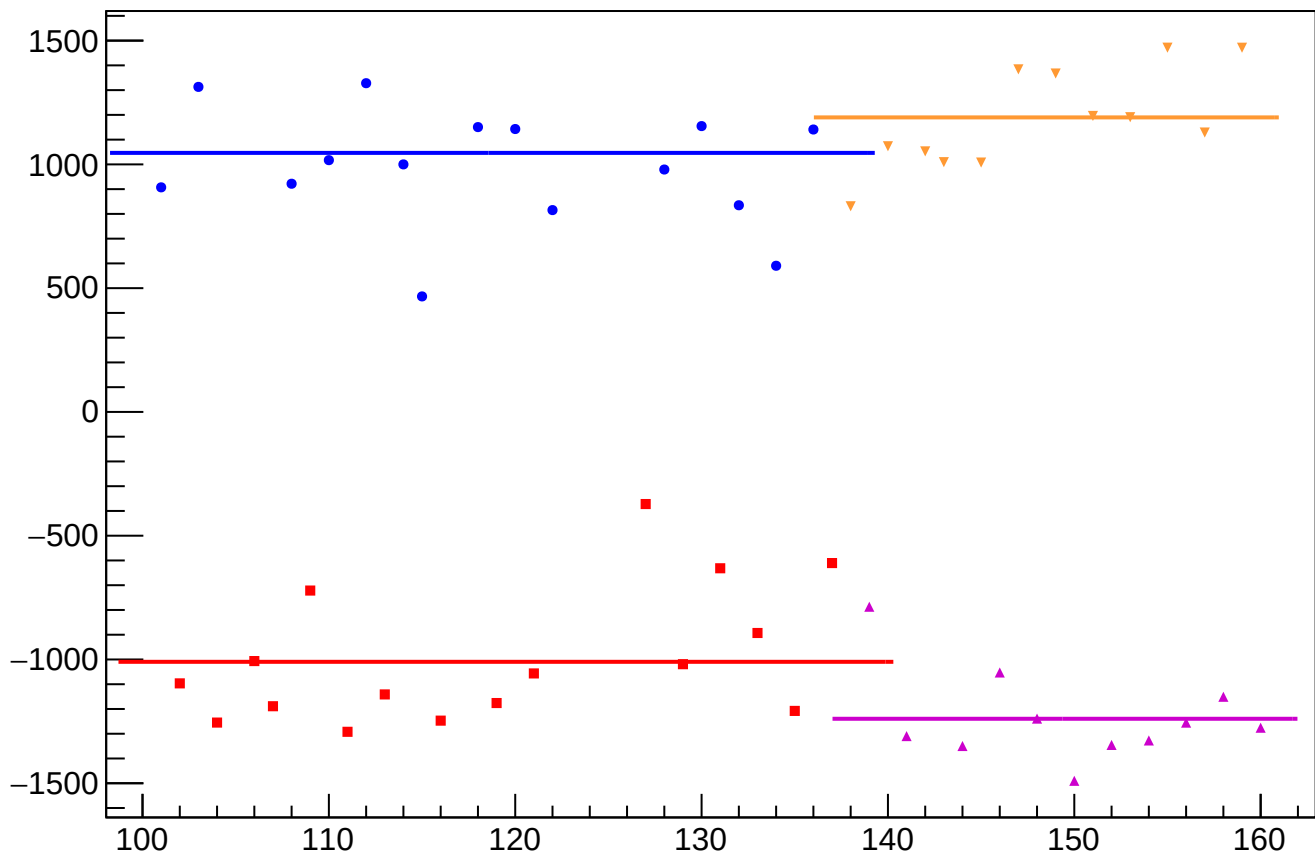
Right: 22.529+/-0.000 χ^2/NDF : 8336101395091641

In: -206.520+/-0.000 χ^2/NDF : 1084558135298016

Out: 240.550+/-0.000 χ^2/NDF : 1081494290409820

All: 17.794+/-0.000 χ^2/NDF : 2323799322021

dit_sam3_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000

χ^2/NDF : 24866624766048512267031234680614551552.0/14

Left Out: 1189.821+/-0.000

χ^2/NDF : 35487872642876563282140008444600516608.0/11

Right Out: -1009.445+/-0.000

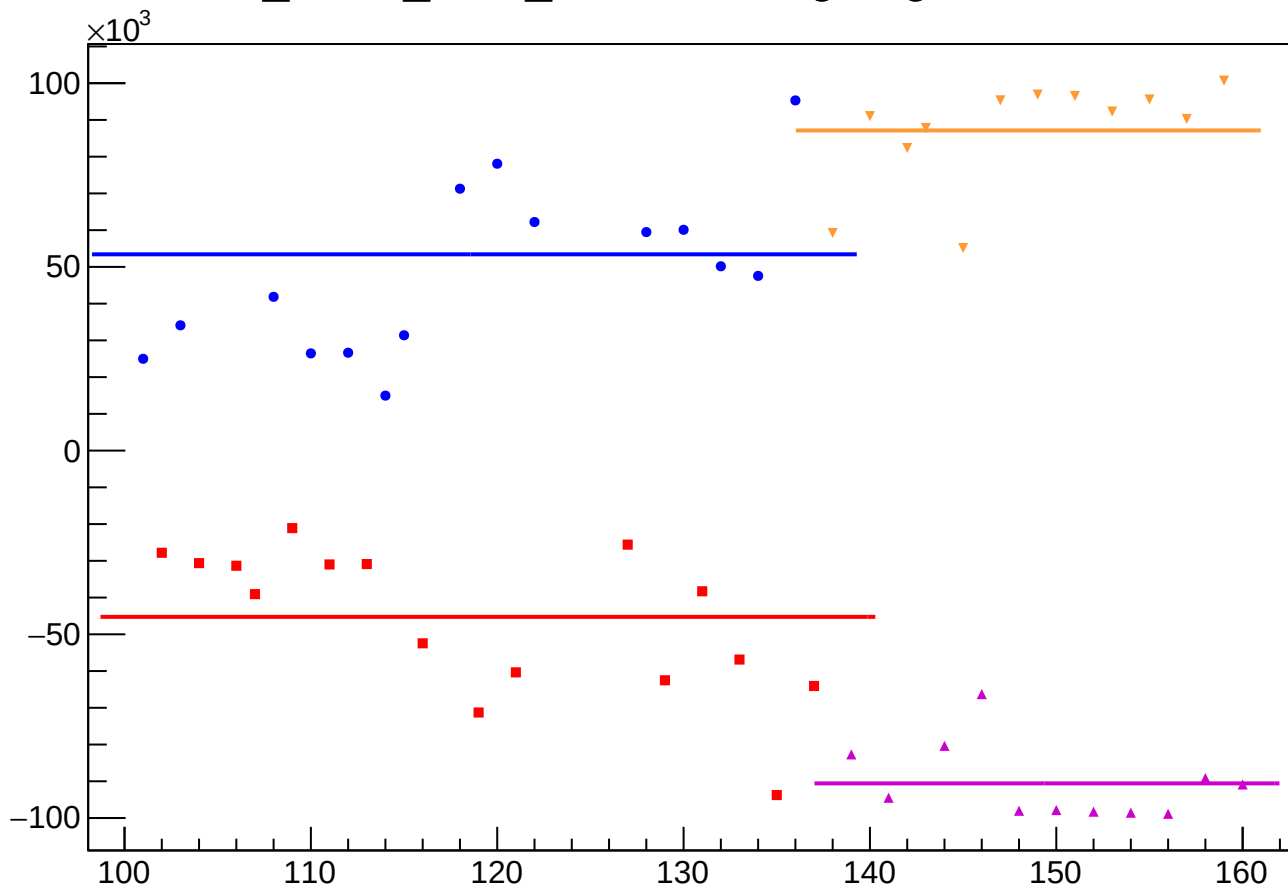
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1239.553+/-0.000

χ^2/NDF : 29116180330425505242594030704390045696.0/10

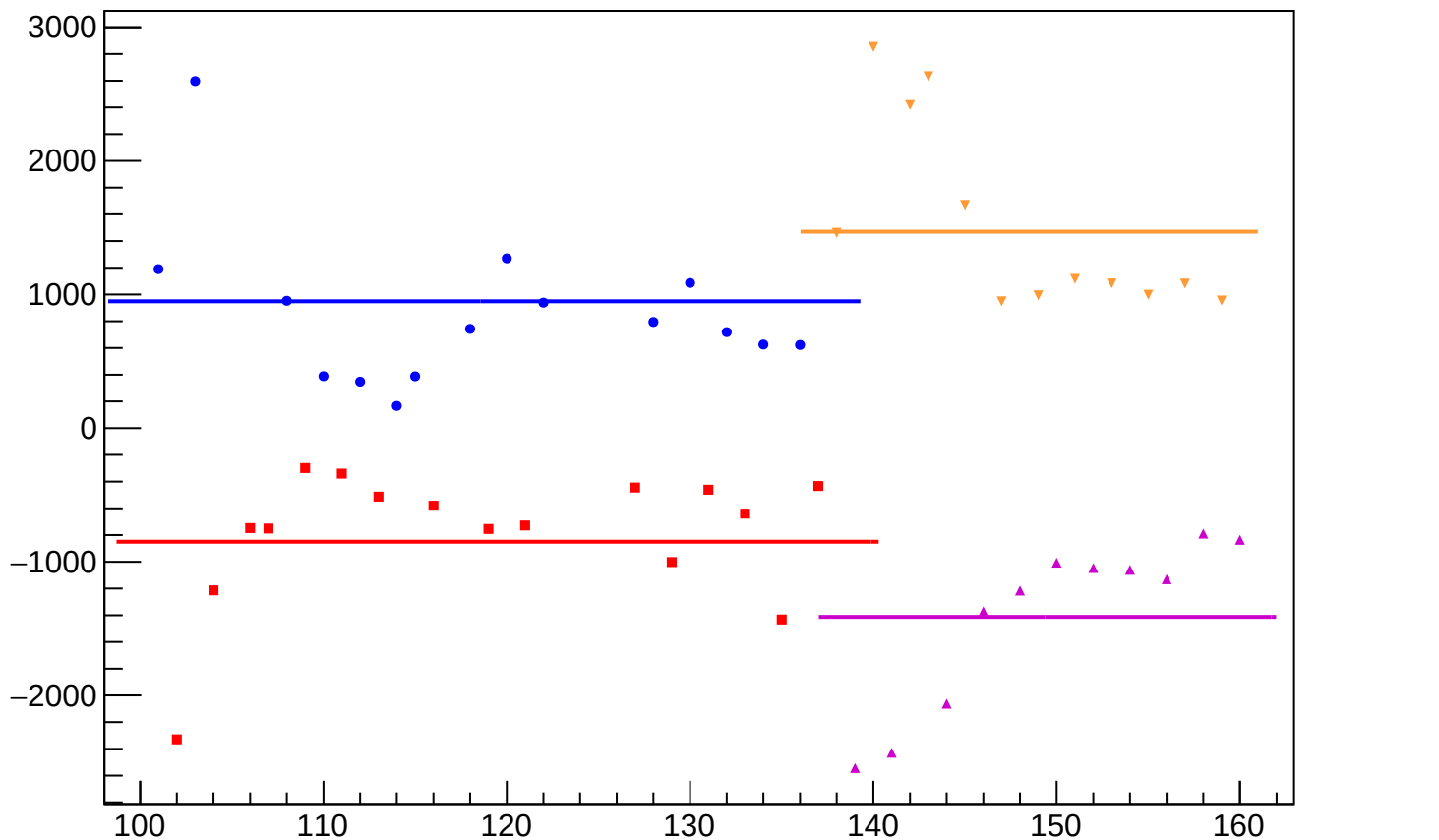
All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_sam4_coil1_mean vs Slug, Sign Corrected



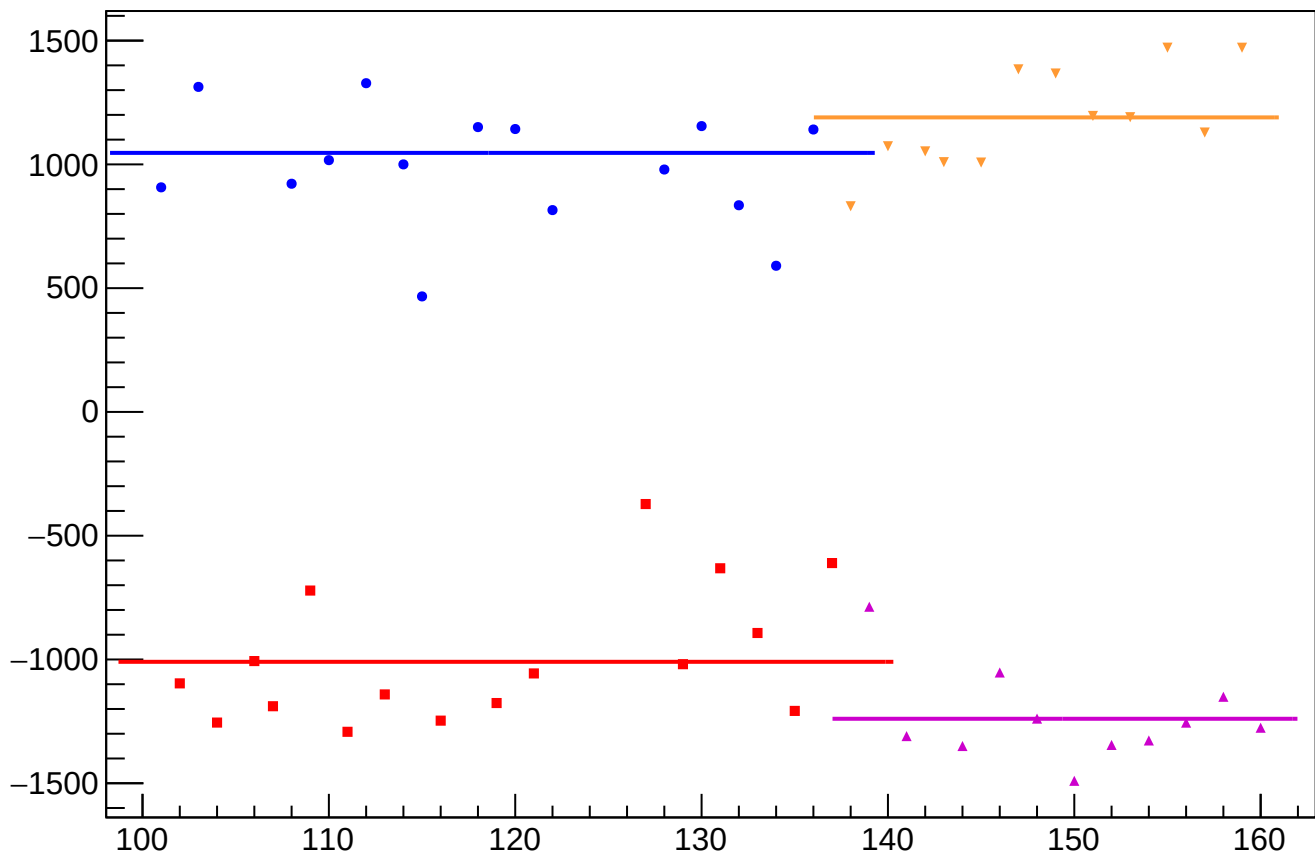
Right In: 53422.452 $\pm$ 0.000 χ^2 /NDF: 360635757315133800133751123167777346551808.0/14
 Left Out: 87135.960 $\pm$ 0.000 χ^2 /NDF: 189391741344290721413233098775018944331776.0/11
 Right Out: -45247.617 $\pm$ 0.000 χ^2 /NDF: 286060196488034430215784613374055547928576.0/15
 Left In: -90573.760 $\pm$ 0.000 χ^2 /NDF: 90574081394354221593949262312406685581312.0/10
 All: 223.165 $\pm$ 0.000 χ^2 /NDF: 186869193995

dit_sam4_coil1_err_mean vs Slug, Sign Corrected



Right In: 949.197+/-0.000 χ^2/NDF : 225691032183153732733308094067658194944.0/14
 Left Out: 1470.170+/-0.000 χ^2/NDF : 405590375156650172280507211961333710848.0/11
 Right Out: -849.827+/-0.000 χ^2/NDF : 20462224261577247702227312745197338624.0/15
 Left In: -1412.186+/-0.000 χ^2/NDF : 332529390934897118157875972661756035072.0/10
 All: 29.294+/-0.000 χ^2/NDF : 6056877186089

dit_sam4_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000

χ^2/NDF : 24866624766048512267031234680614551552.0/14

Left Out: 1189.821+/-0.000

χ^2/NDF : 35487872642876563282140008444600516608.0/11

Right Out: -1009.445+/-0.000

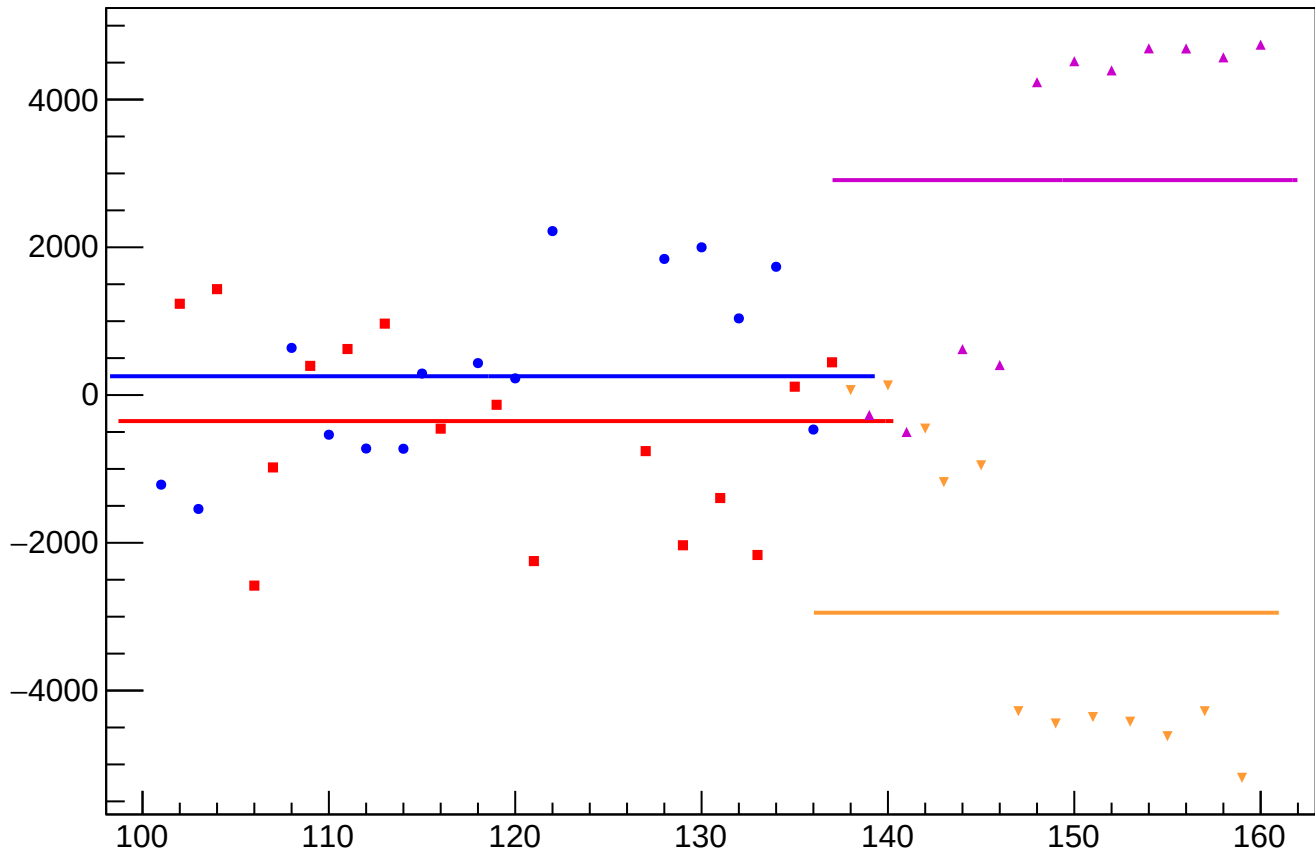
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1239.553+/-0.000

χ^2/NDF : 29116180330425505242594030704390045696.0/10

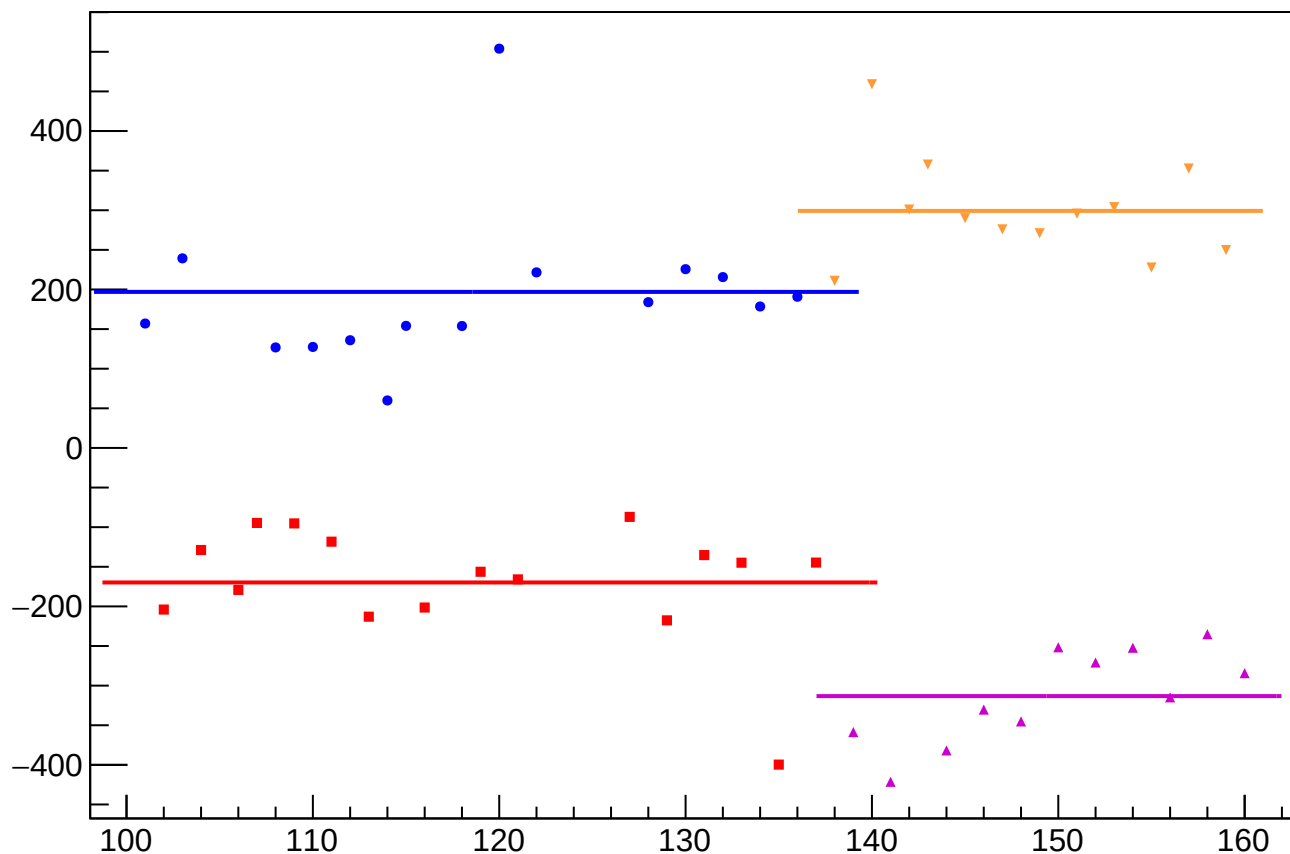
All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_sam5_coil1_mean vs Slug, Sign Corrected



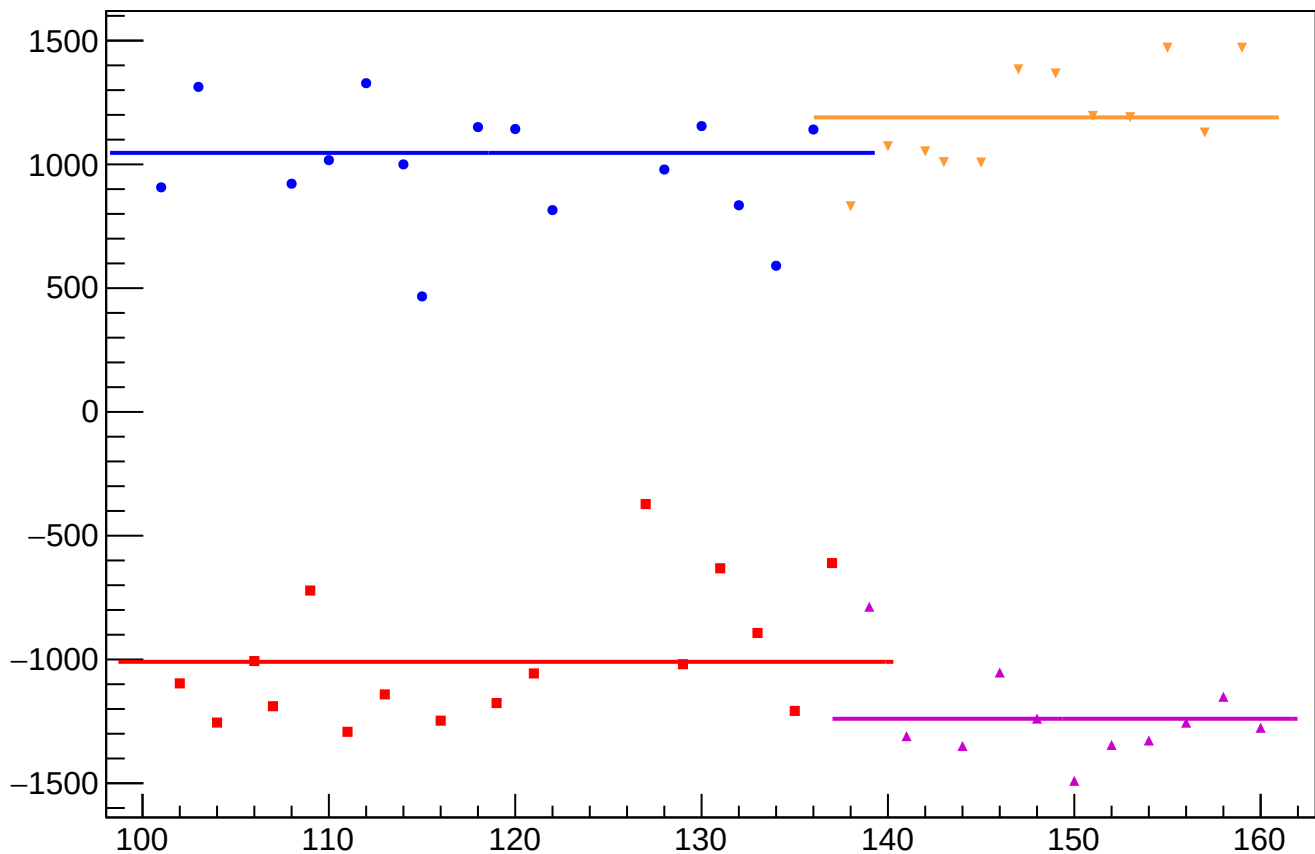
Right In: 254.578+/-0.000 χ^2/NDF : 978402113531006640741569223967249530880.0/14
 Left Out: -2946.326+/-0.000 χ^2/NDF : 3731127313953628227585948865105357701120.0/11
 Right Out: -352.308+/-0.000 χ^2/NDF : 1100813647101508513447529068154010468352.0/15
 Left In: 2909.545+/-0.000 χ^2/NDF : 4377323512278558404902073126276443406336.0/10
 All: -26.332+/-0.000 χ^2/NDF : 260927325802

dit_sam5_coil1_err_mean vs Slug, Sign Corrected



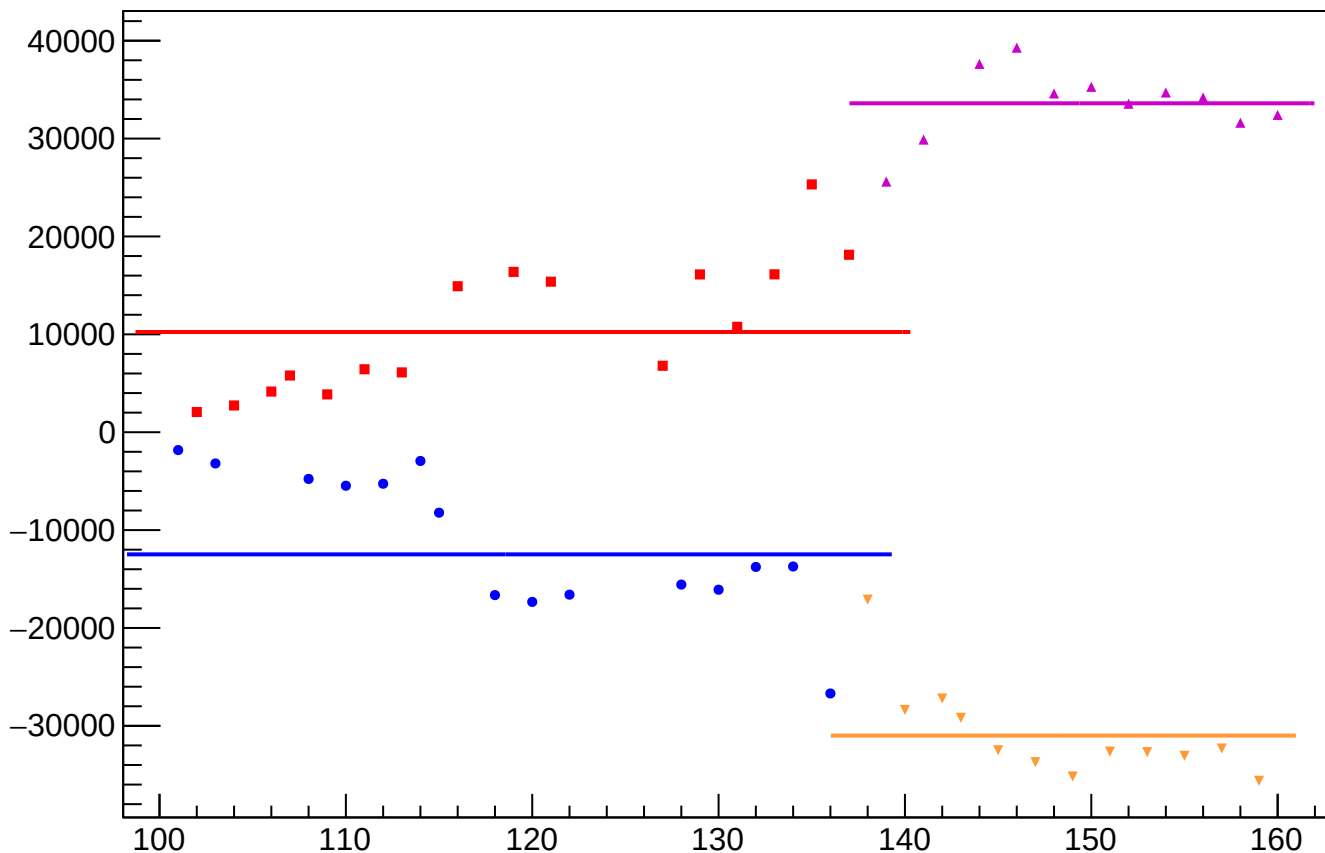
Right In: 196.955 $\pm$ 0.000 χ^2 /NDF: 4485245160329657914621372425838788608.0/14
 Left Out: 299.172 $\pm$ 0.000 χ^2 /NDF: 3880381264543200500455029030889979904.0/11
 Right Out: -169.778 $\pm$ 0.000 χ^2 /NDF: 3892609445494845784493558646385410048.0/15
 Left In: -313.228 $\pm$ 0.000 χ^2 /NDF: 3079061701843560714774529768142405632.0/10
 All: -0.158 $\pm$ 0.000 χ^2 /NDF: 2324687207853

dit_sam5_coil1_Ndata_mean vs Slug, Sign Corrected



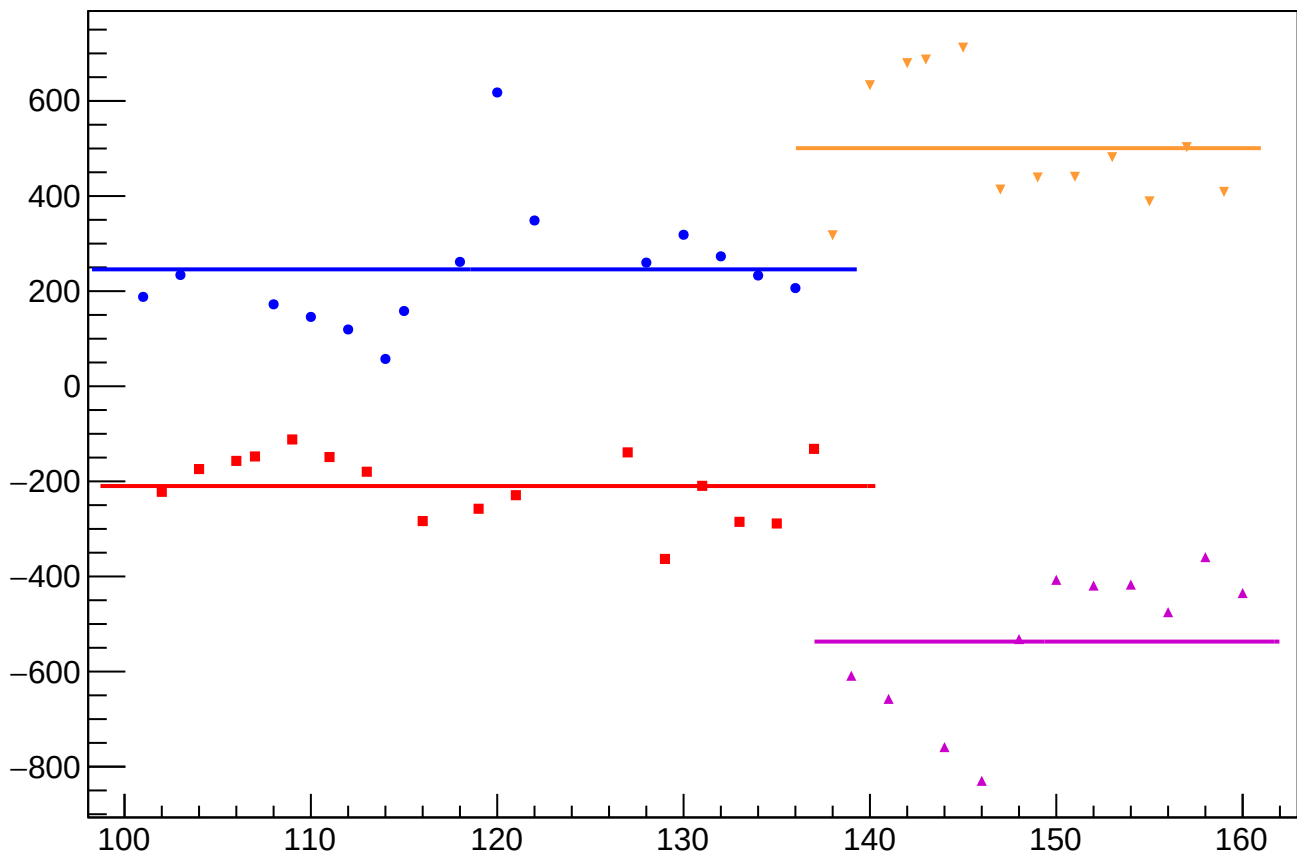
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_sam6_coil1_mean vs Slug, Sign Corrected



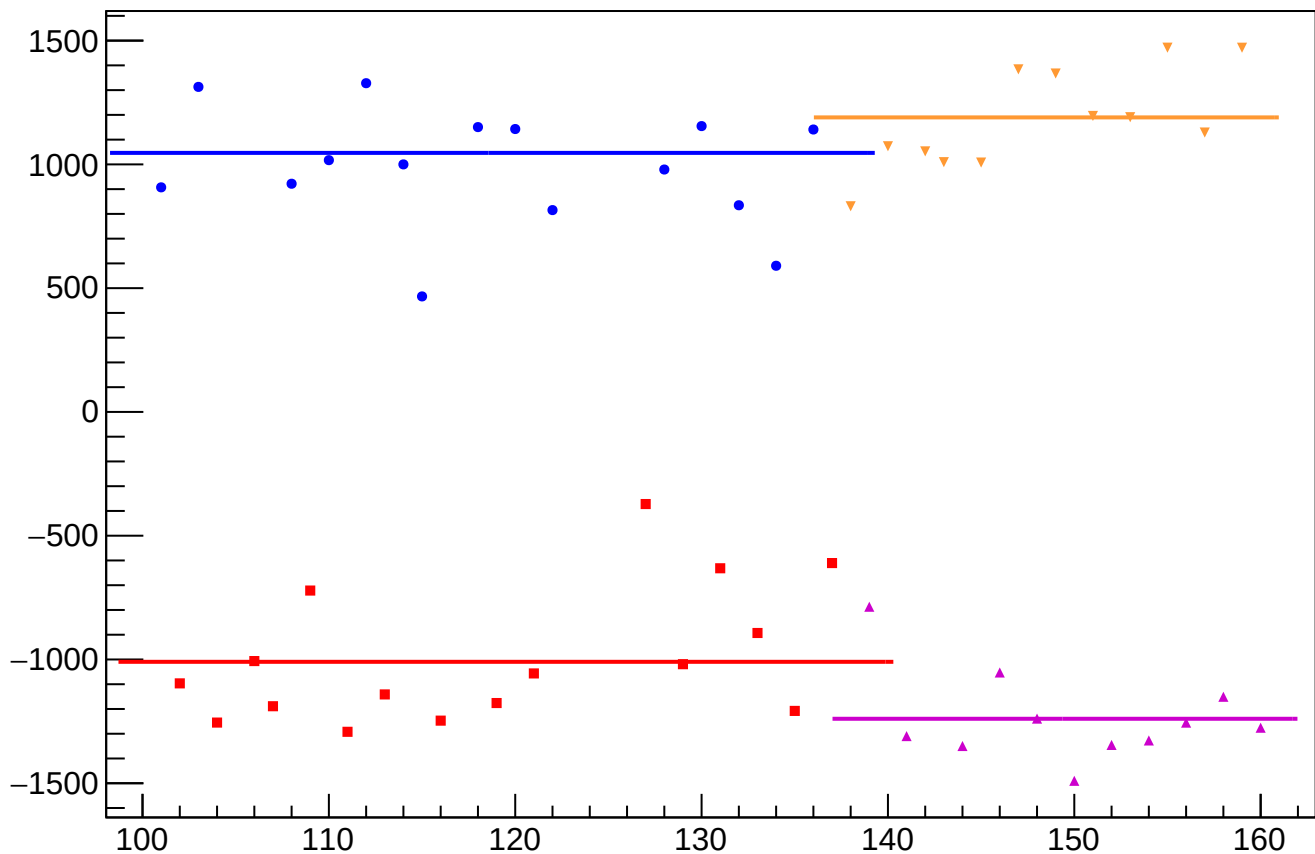
Right In: -12479.653+/-0.000 χ^2/NDF : 41178633231253805317353333973475271901184.0/14
 Left Out: -30994.631+/-0.000 χ^2/NDF : 21360802405540775794048943647973709971456.0/11
 Right Out: 10238.098+/-0.000 χ^2/NDF : 31227861126159534031961501923223718068224.0/15
 Left In: 33603.125+/-0.000 χ^2/NDF : 11377877741280377988076632069746943066112.0/10
 All: 429.752+/-0.000 χ^2/NDF : 219983742994

dit_sam6_coil1_err_mean vs Slug, Sign Corrected



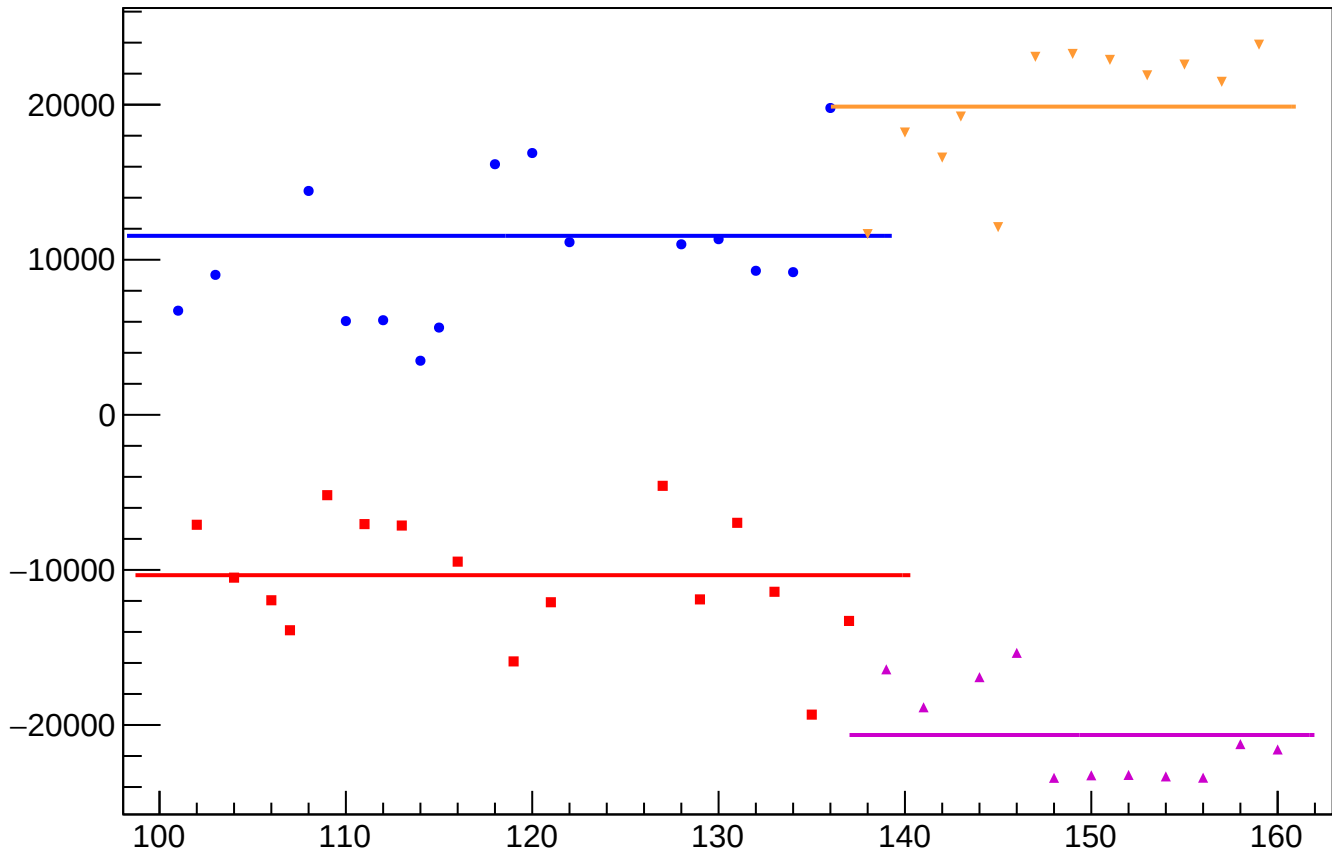
Right In: 245.832 $\pm$ 0.000 χ^2 /NDF: 7828269009300013139414476154059358208.0/14
 Left Out: 500.722 $\pm$ 0.000 χ^2 /NDF: 14366647854030986801089252354911371264.0/11
 Right Out: -209.844 $\pm$ 0.000 χ^2 /NDF: 3128489258838765241921217786024034304.0/15
 Left In: -536.975 $\pm$ 0.000 χ^2 /NDF: 20803022486400810956958367719555596288.0/10
 All: -5.519 $\pm$ 0.000 χ^2 /NDF: 6109629963299

dit_sam6_coil1_Ndata_mean vs Slug, Sign Corrected



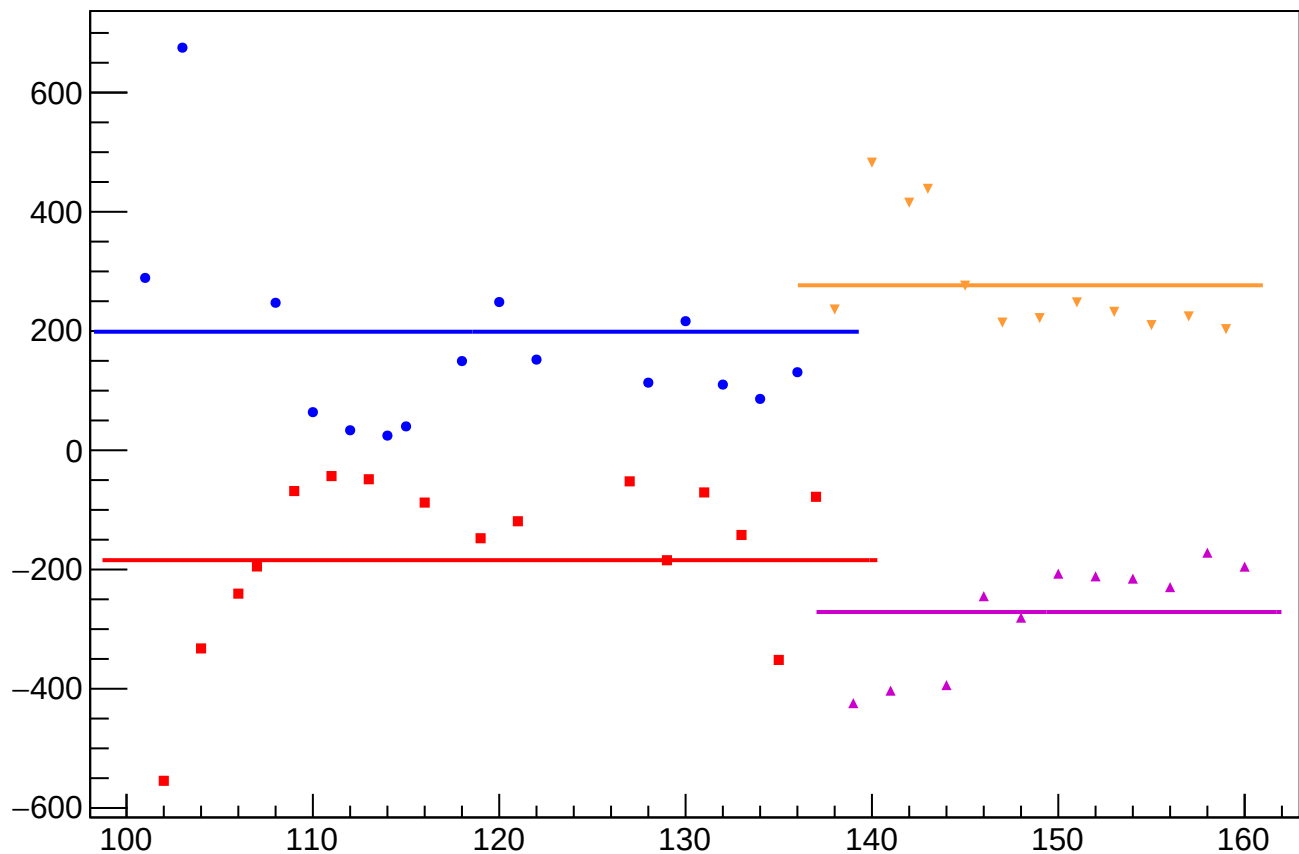
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_sam7_coil1_mean vs Slug, Sign Corrected



Right In: 11542.759+/-0.000 χ^2/NDF : 14233543123238566357226766219014687424512.0/14
 Left Out: 19875.162+/-0.000 χ^2/NDF : 15802196643449462198483400956357455642624.0/11
 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: -81.183+/-0.000 χ^2/NDF : 963586580274

dit_sam7_coil1_err_mean vs Slug, Sign Corrected



Right In: 198.850+/-0.000

χ^2/NDF : 18333995109503438037075916944440295424.0/14

Left Out: 276.729+/-0.000

χ^2/NDF : 8031577970080371618596427688692416512.0/11

Right Out: -184.328+/-0.000

χ^2/NDF : 14927434931395588601024961538372403200.0/15

Left In: -271.291+/-0.000

χ^2/NDF : 7112445981030520145066814103974051840.0/10

Left: 1.677+/-0.000 χ^2/NDF : 153367267595922872

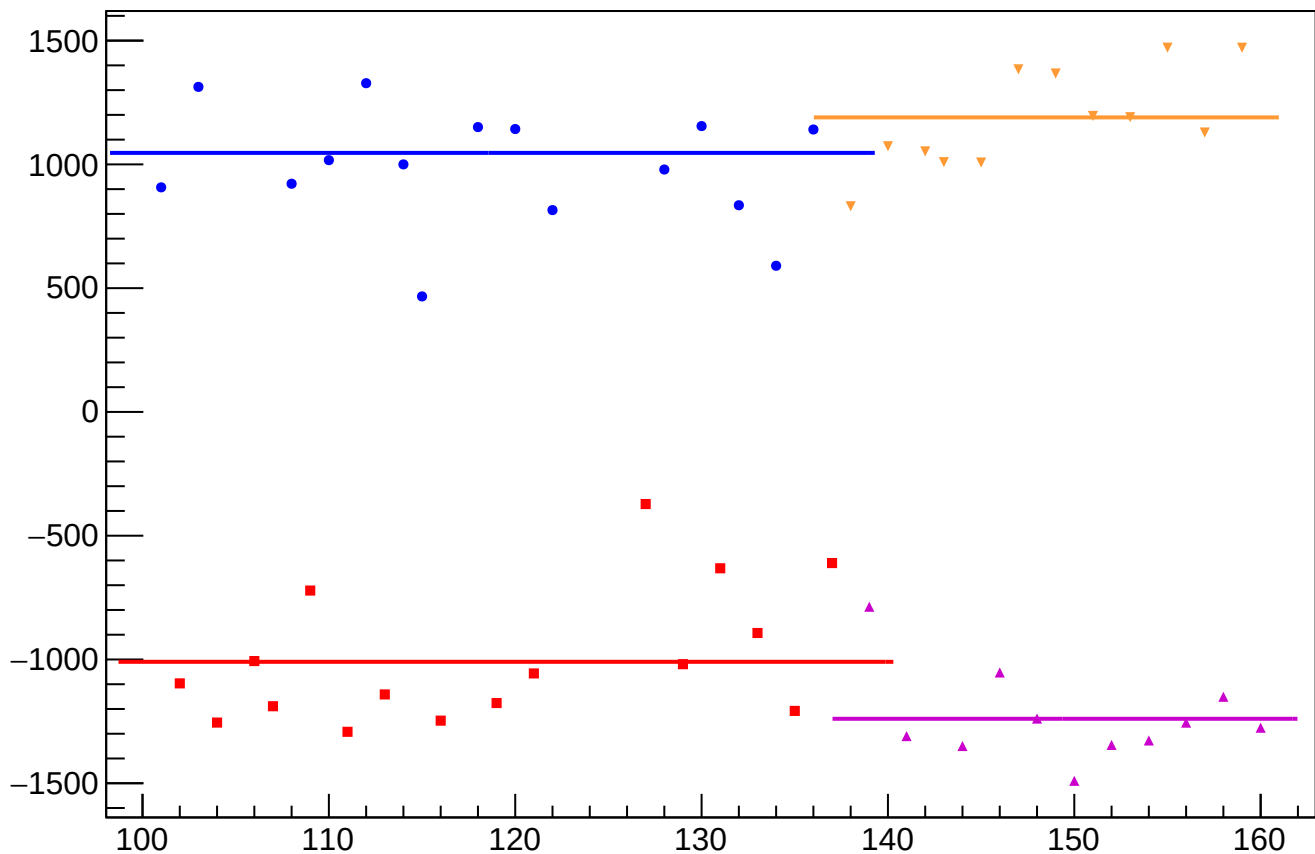
Right: 4.640+/-0.000 χ^2/NDF : 81558141576342570

In: -77.317+/-0.000 χ^2/NDF : 10971103033492192

Out: 82.584+/-0.000 χ^2/NDF : 10504153197861264

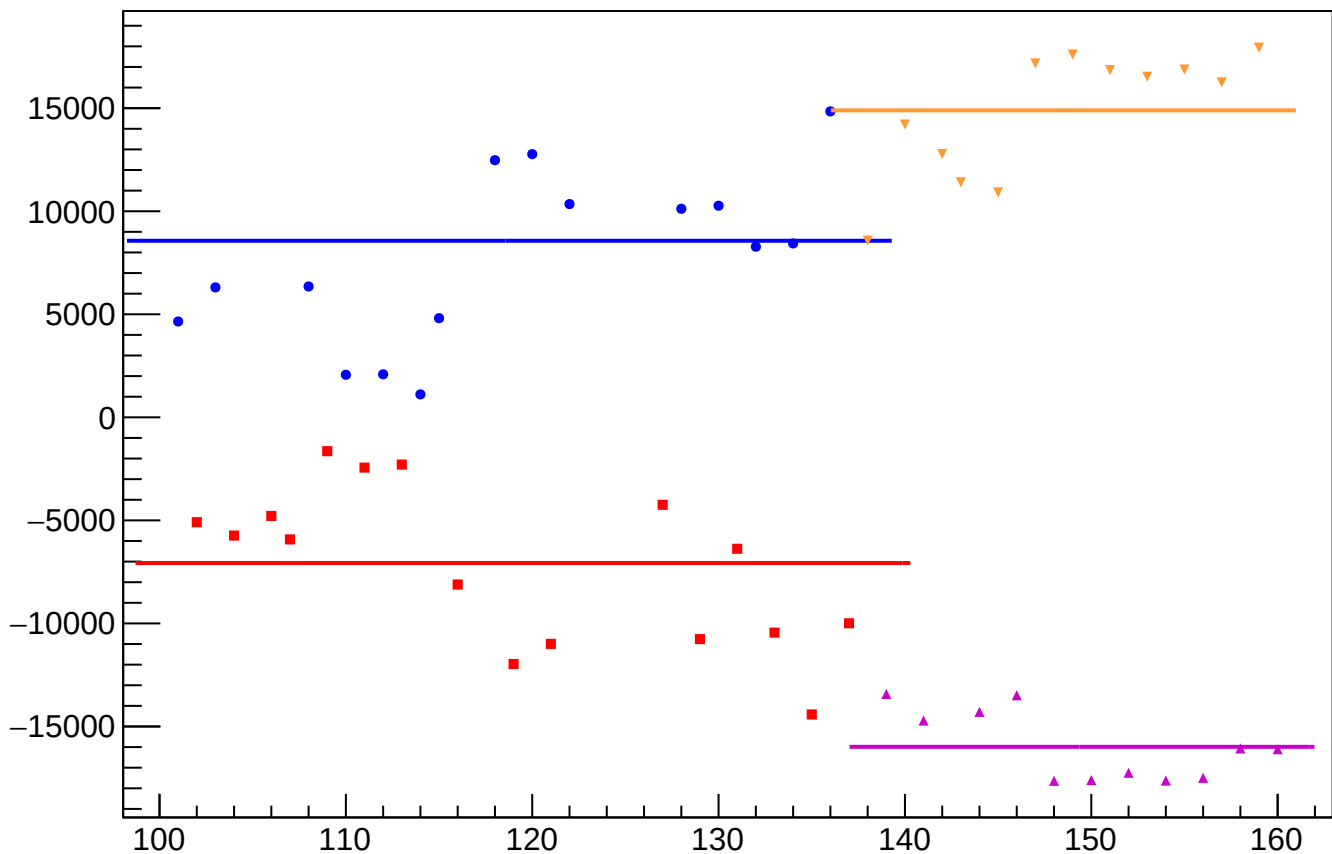
All: 2.912+/-0.000 χ^2/NDF : 23493214759082

dit_sam7_coil1_Ndata_mean vs Slug, Sign Corrected



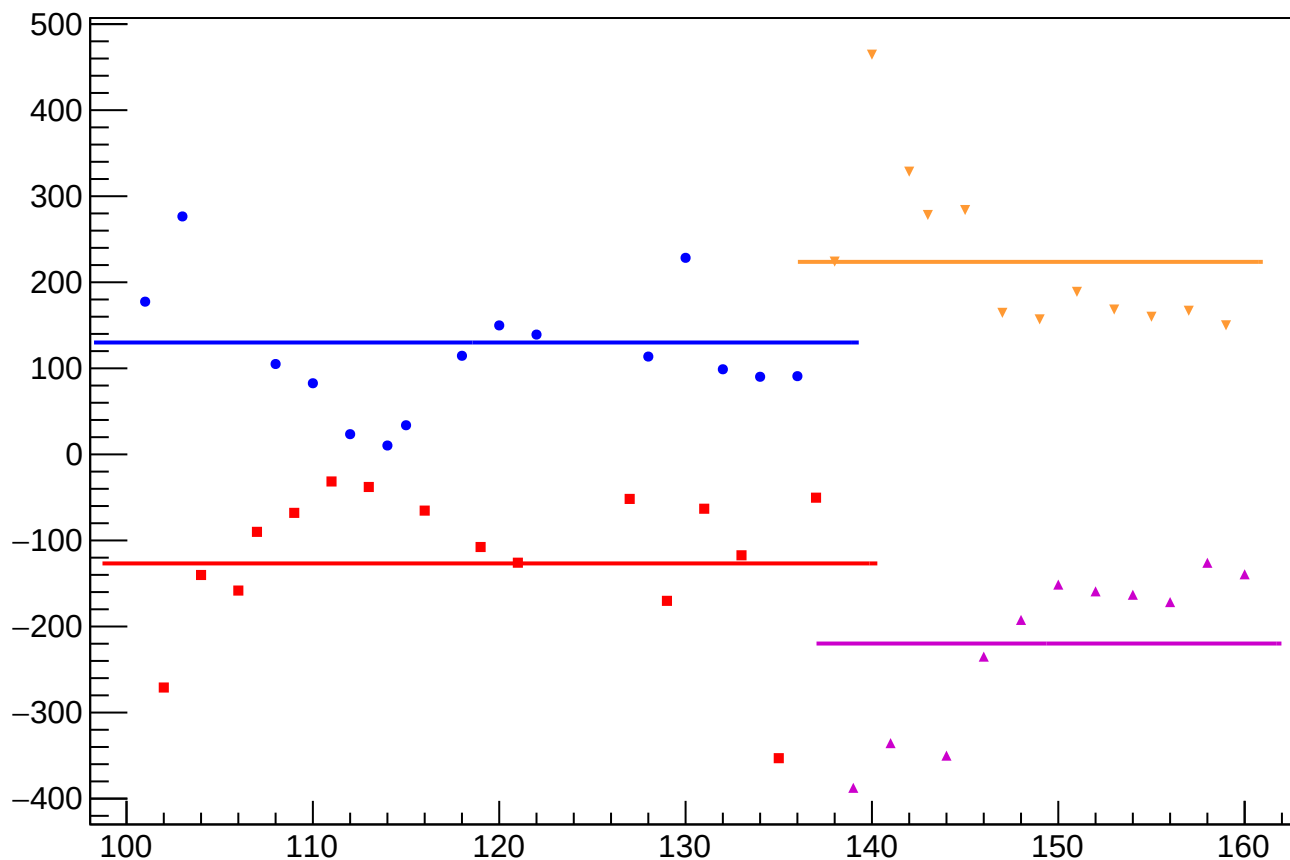
Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_sam8_coil1_mean vs Slug, Sign Corrected



Right In: 8567.784 $\pm$ 0.000 χ^2 /NDF: 11106048878972501366429055679645708451840.0/14
 Left Out: 14894.671 $\pm$ 0.000 χ^2 /NDF: 8196994251162162548782617513195066097664.0/11
 Right Out: -7069.884 $\pm$ 0.000 χ^2 /NDF: 10076862363502652111378210539664387866624.0/15
 Left In: -15987.436 $\pm$ 0.000 χ^2 /NDF: 2470393428254815728629083332629999124480.0/10
 All: -85.239 $\pm$ 0.000 χ^2 /NDF: 552417535808

dit_sam8_coil1_err_mean vs Slug, Sign Corrected



Right In: 130.021+/-0.000

χ^2/NDF : 3115259987552341725946418665378283520.0/14

Left Out: 223.724+/-0.000

χ^2/NDF : 7769866101258790132911352573971136512.0/11

Right Out: -126.709+/-0.000

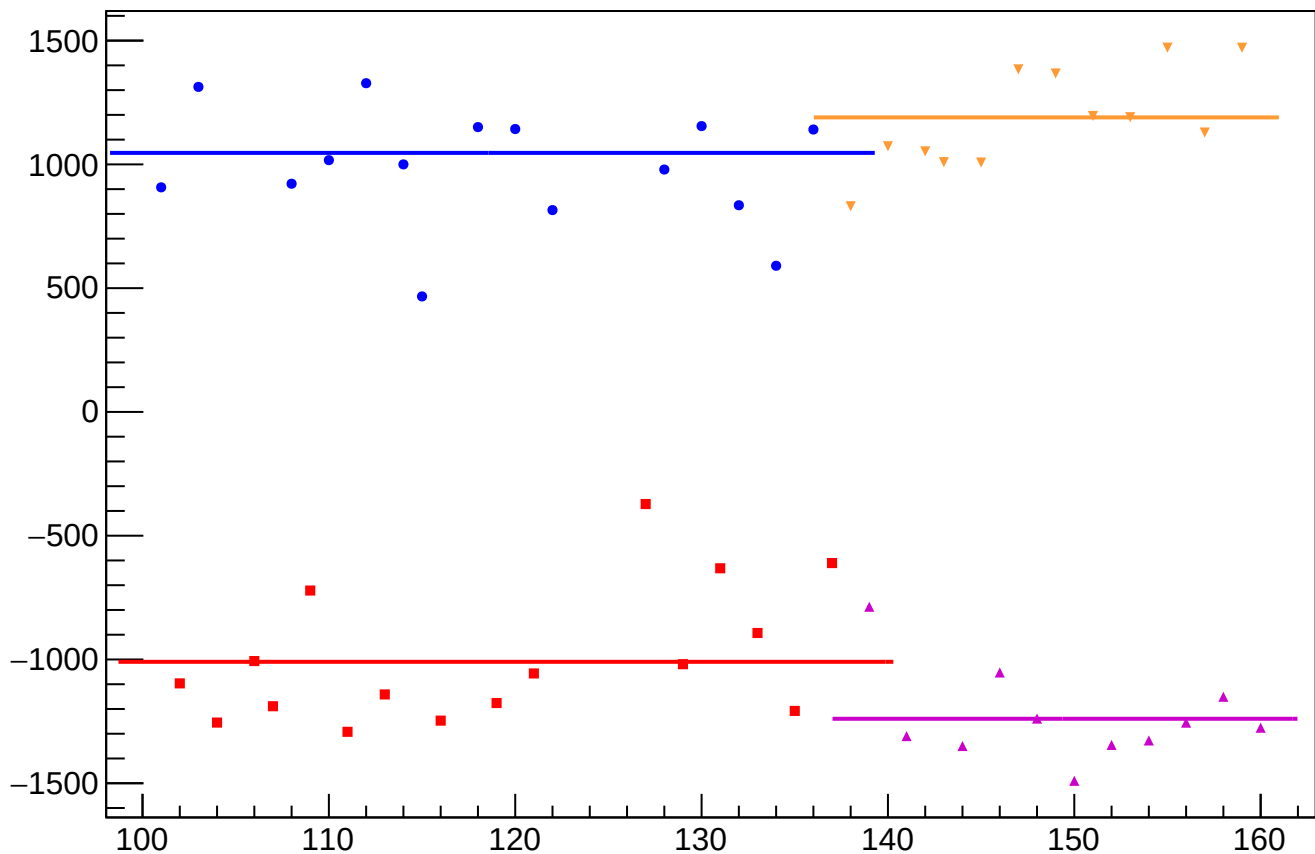
χ^2/NDF : 5397122581297664561308621600668516352.0/15

Left In: -219.787+/-0.000

χ^2/NDF : 7418609629454172879787970620999860224.0/10

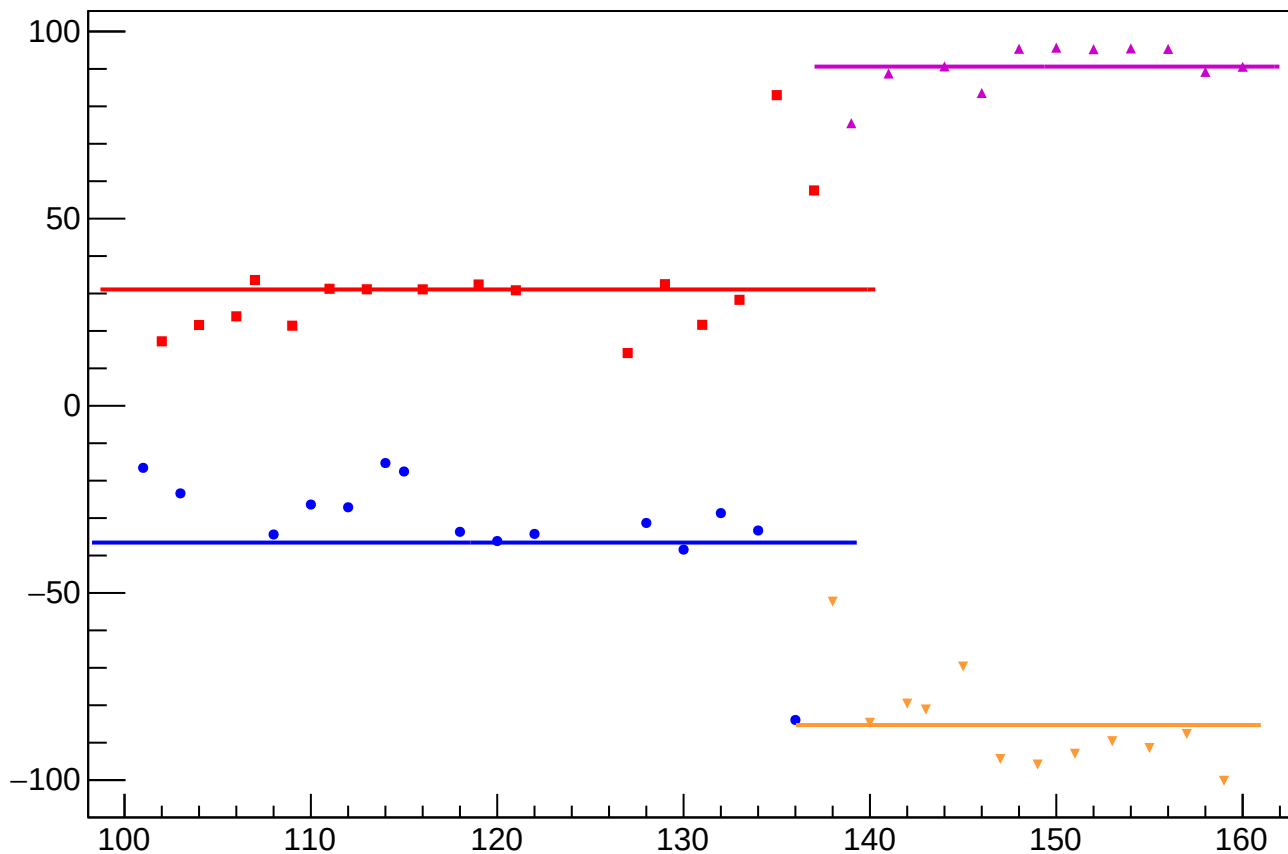
All: 0.615+/-0.000 χ^2/NDF : 13591277420153

dit_sam8_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 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: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_4aX_coil3_mean vs Slug, Sign Corrected



Right In: -36.540+/-0.000

Left Out: -85.291+/-0.000

Right Out: 31.085+/-0.000

Left In: 90.618+/-0.000

χ^2/NDF : 254351867861444609202637633864335360.0/14

χ^2/NDF : 150335186575692047525398073172819968.0/11

χ^2/NDF : 181291079119381636178408498876383232.0/15

χ^2/NDF : 33089833083626408117297955498622976.0/10

Left: 2.998+/-0.000 χ^2/NDF : 144250947022292483

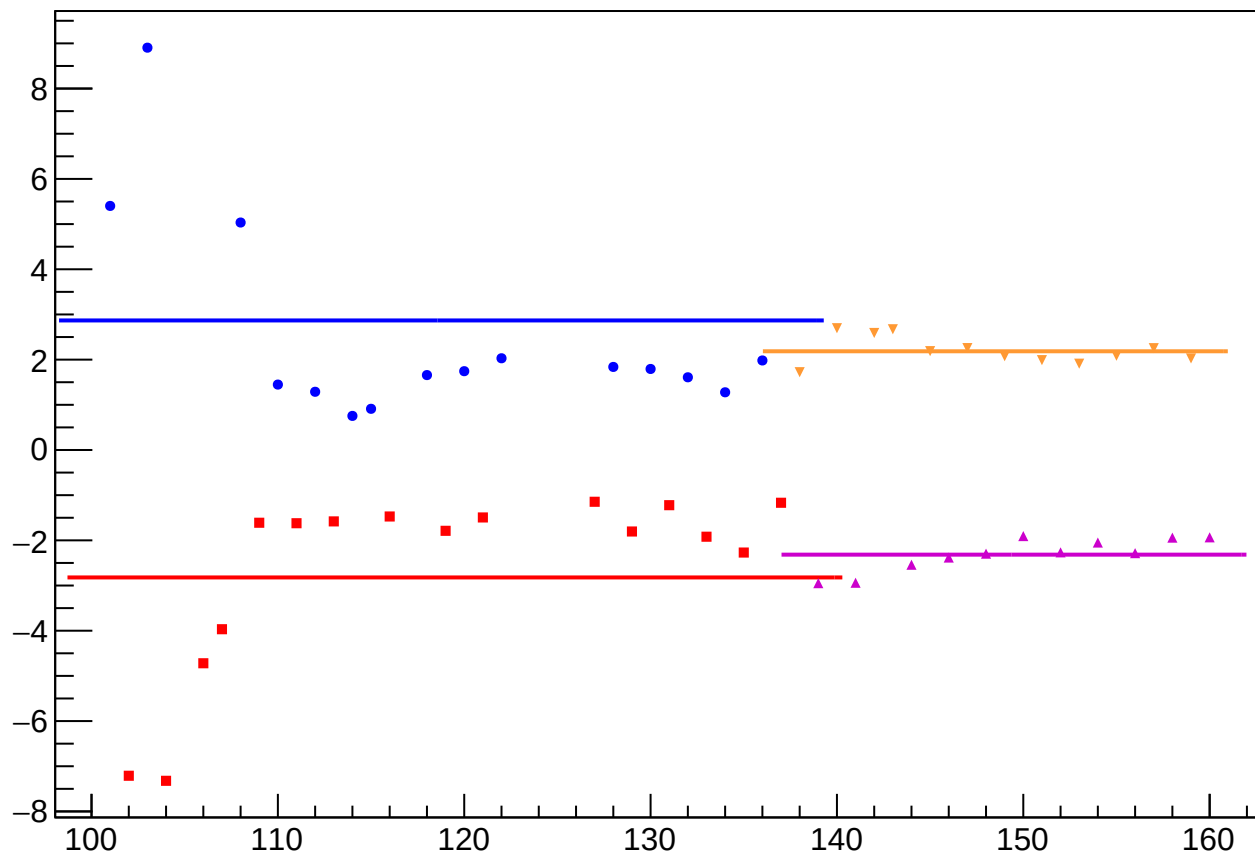
Right: -2.265+/-0.000 χ^2/NDF : 1939933040270060

In: 38.154+/-0.000 χ^2/NDF : 645160855456739365

Out: -36.286+/-0.000 χ^2/NDF : 5561186086442477

All: 0.804+/-0.000 χ^2/NDF : 16386284657784

dit_4aX_coil3_err_mean vs Slug, Sign Corrected



Left: -0.074 +/- 0.000 χ^2/NDF : 95157868092159667

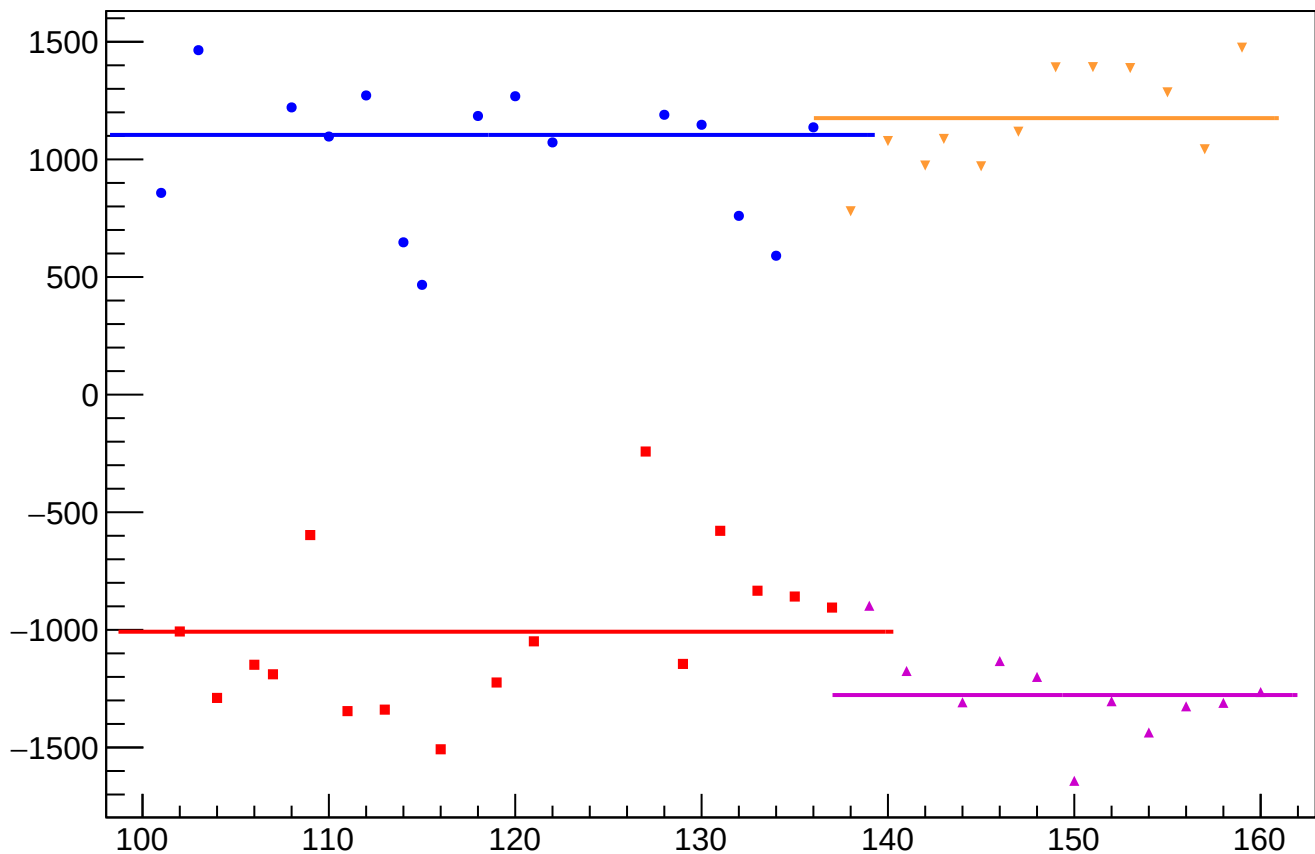
Right: -0.016 +/- 0.000 χ^2/NDF : 1715222089110172

In: -0.178 +/- 0.000 χ^2/NDF : 138149448631133165

Out: 0.077 +/- 0.000 χ^2/NDF : 128045090796097474

All: -0.050 +/- 0.000 χ^2/NDF : 2667065323258

dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

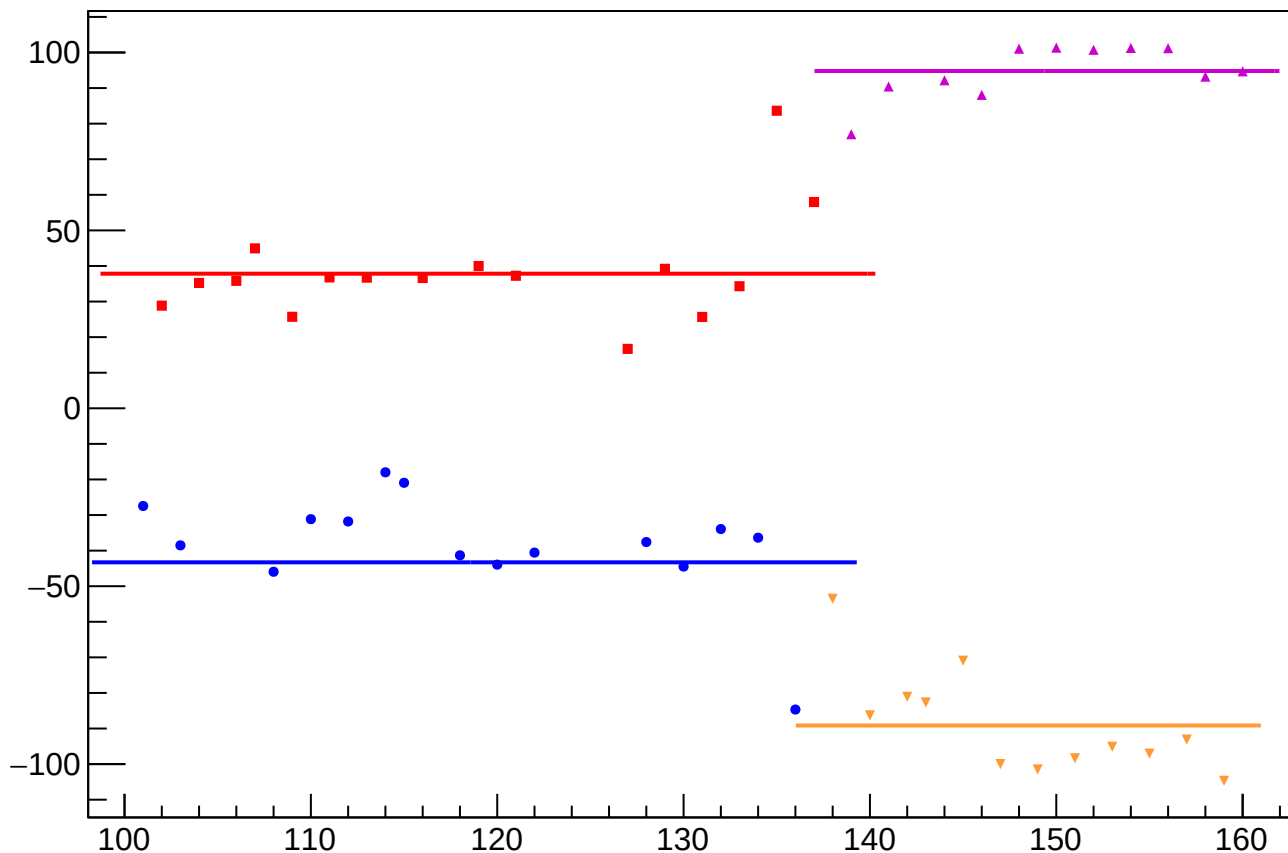
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_4eX_coil3_mean vs Slug, Sign Corrected



Right In: -43.289+/-0.000

Left Out: -89.146+/-0.000

Right Out: 37.832+/-0.000

Left In: 94.799+/-0.000

χ^2/NDF : 199342736778845281087197523996573696.0/14

χ^2/NDF : 189364483855471766611288200184856576.0/11

χ^2/NDF : 148683933977204936634636843897323520.0/15

χ^2/NDF : 49077050032611006982156968074936320.0/10

Left: 3.176+/-0.000 χ^2/NDF : 158111837219189498

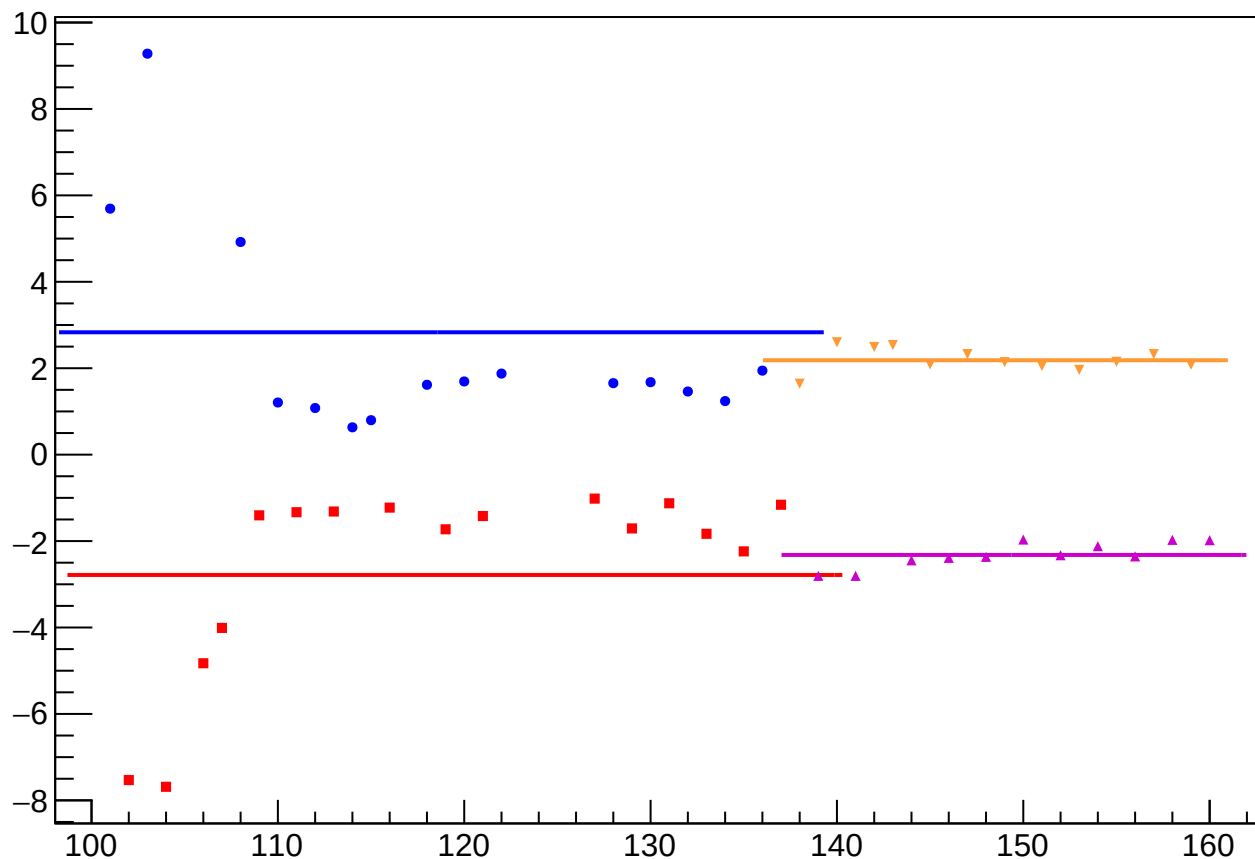
Right: -2.174+/-0.000 χ^2/NDF : 2512687101518028

In: 37.826+/-0.000 χ^2/NDF : 751790372998047563

Out: -35.677+/-0.000 χ^2/NDF : 6563927039215261

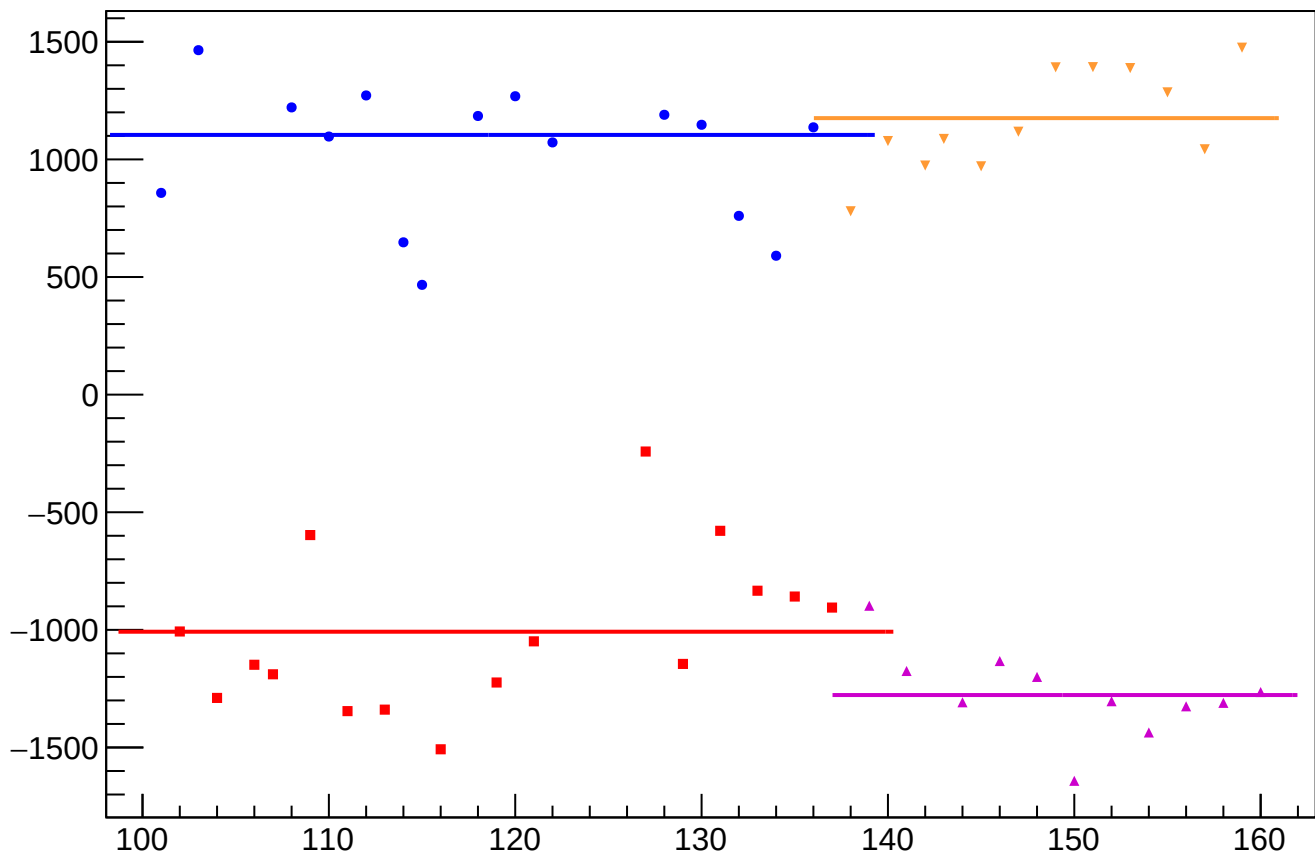
All: 0.946+/-0.000 χ^2/NDF : 18345835995253

dit_4eX_coil3_err_mean vs Slug, Sign Corrected



Right In: 2.832 +/- 0.000 χ^2/NDF : 3957672531929017328512564323155968.0/14
 Left Out: 2.185 +/- 0.000 χ^2/NDF : 60382547029004782914122064855040.0/11
 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 : 2740200778569

dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

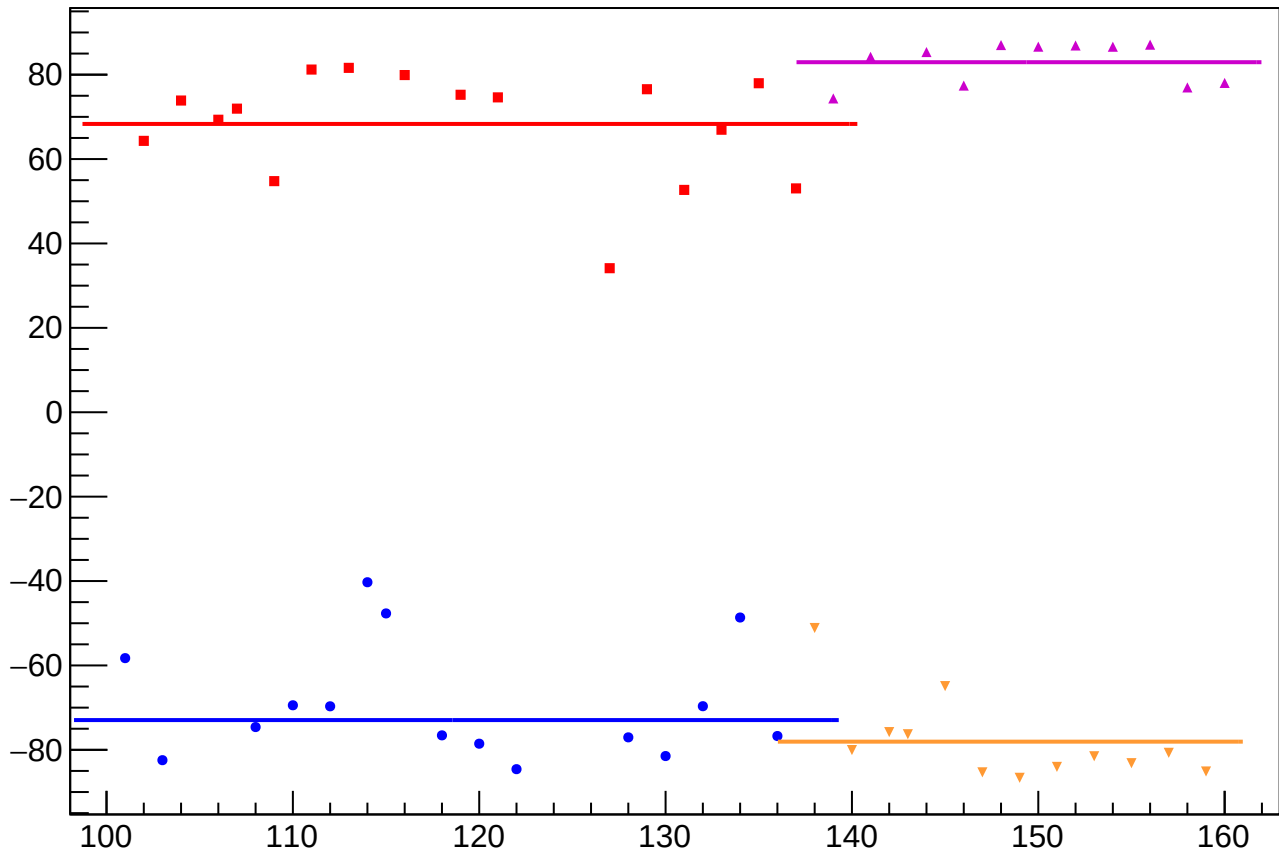
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

All: -18.318+/-0.000 χ^2/NDF : 441314646270.0/10

dit_11X12X_coil3_mean vs Slug, Sign Corrected



Right In: -72.949+/-0.000

Left Out: -78.060+/-0.000

Right Out: 68.324+/-0.000

Left In: 82.954+/-0.000

χ^2/NDF : 65755428464857980306879126291087360.0/14

χ^2/NDF : 92076989783561024991215559553056768.0/11

χ^2/NDF : 106694344898202364483367131372584960.0/15

χ^2/NDF : 20419157774877297849205303170564096.0/10

Left: 2.753+/-0.000 χ^2/NDF : 120446033941350185

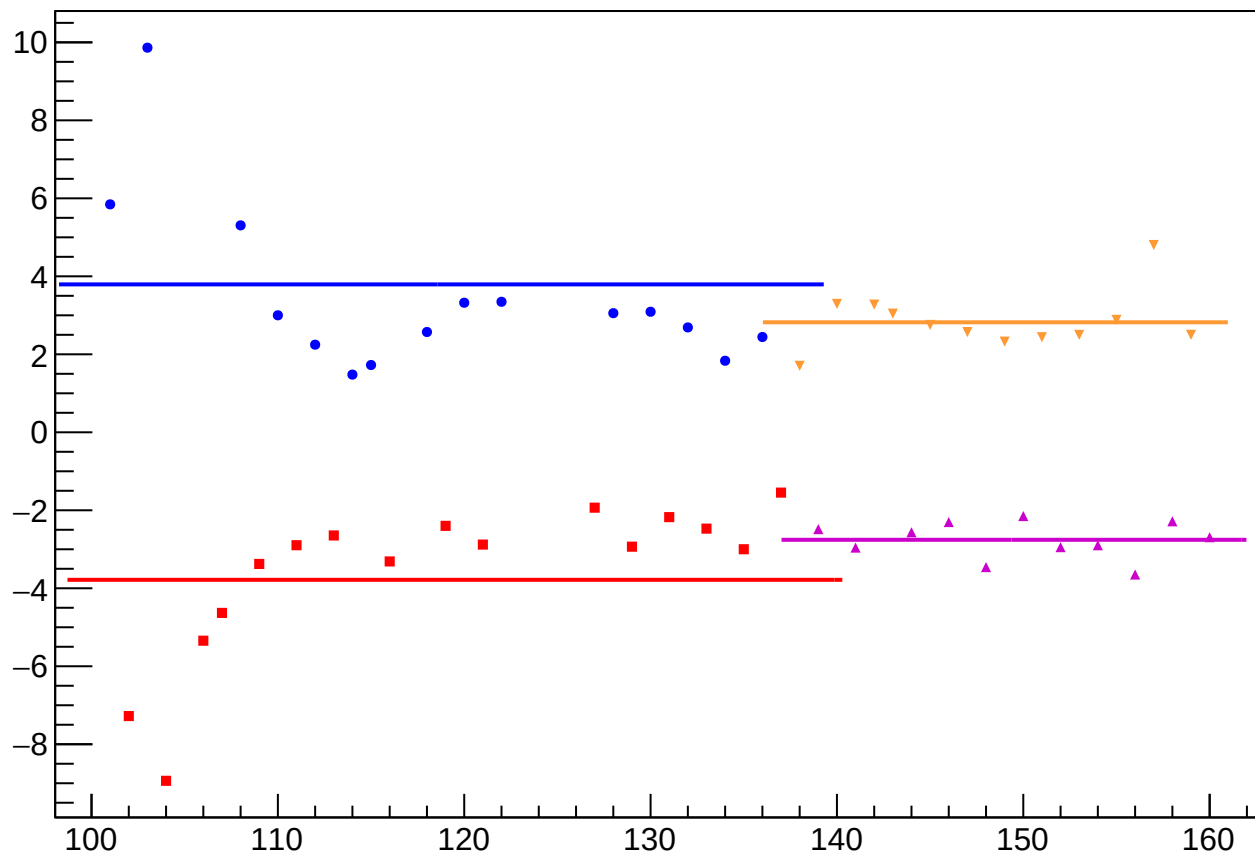
Right: -1.347+/-0.000 χ^2/NDF : 6737392391922205

In: 18.630+/-0.000 χ^2/NDF : 935227547229560147

Out: -16.420+/-0.000 χ^2/NDF : 8473003169479840

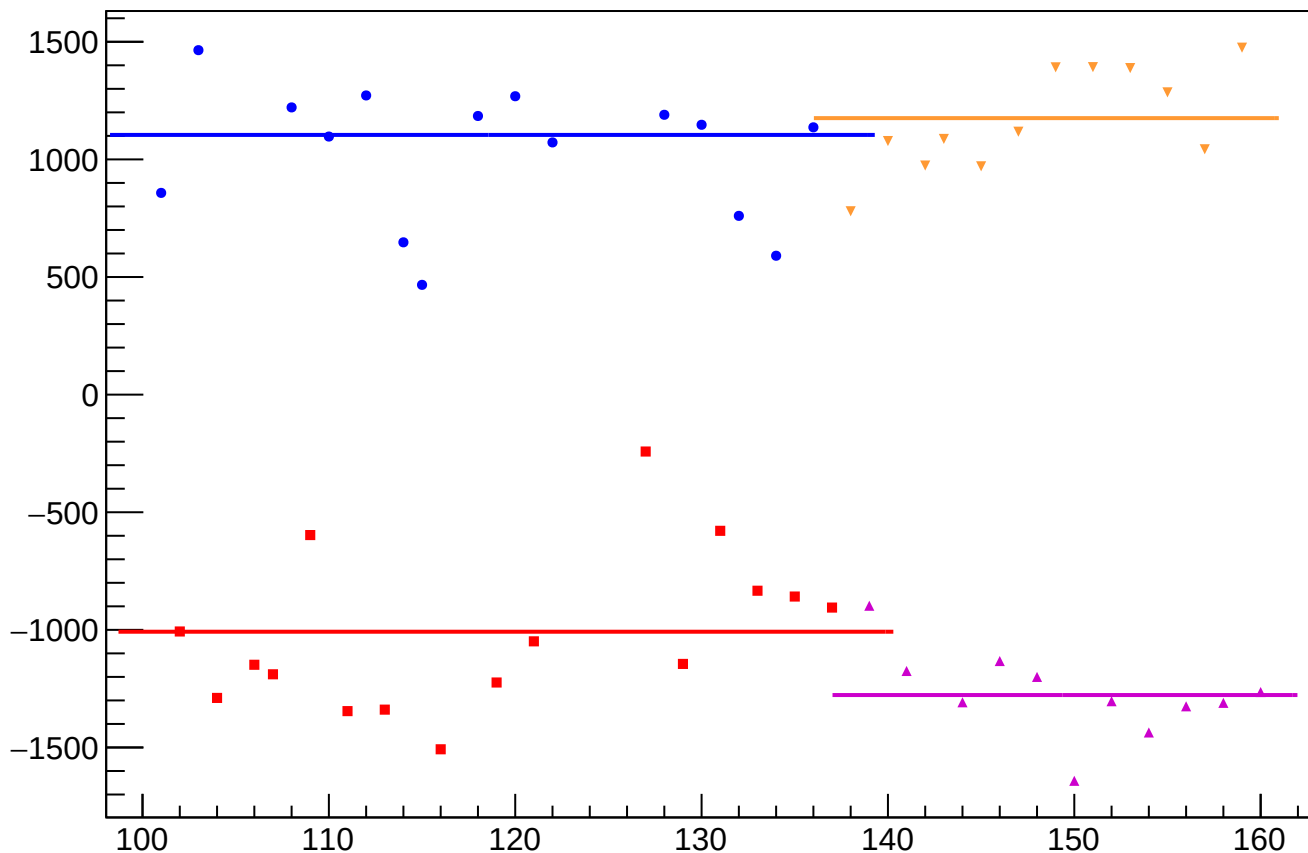
All: 1.044+/-0.000 χ^2/NDF : 18794892606633

dit_11X12X_coil3_err_mean vs Slug, Sign Corrected



Right In: 3.793 ± 0.000 χ^2/NDF : 3205389242726129619796290810413056.0/14
 Left Out: 2.821 ± 0.000 χ^2/NDF : 493082555580785627275797679046656.0/11
 Right Out: -3.783 ± 0.000 χ^2/NDF : 2878586622192676654452338755371008.0/15
 Left In: -2.757 ± 0.000 χ^2/NDF : 191720746547732306226054042746880.0/10
 All: -0.007 ± 0.000 χ^2/NDF : 3996925901016

dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

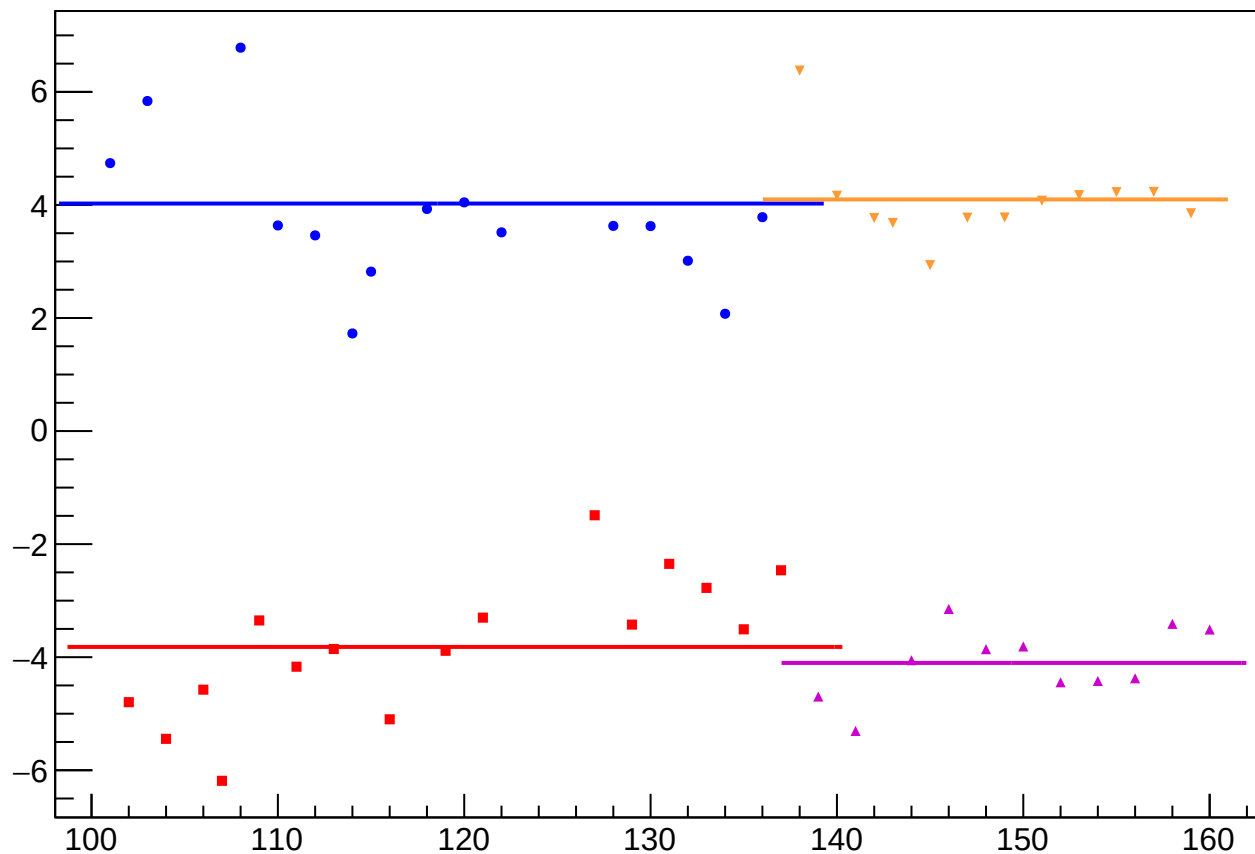
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

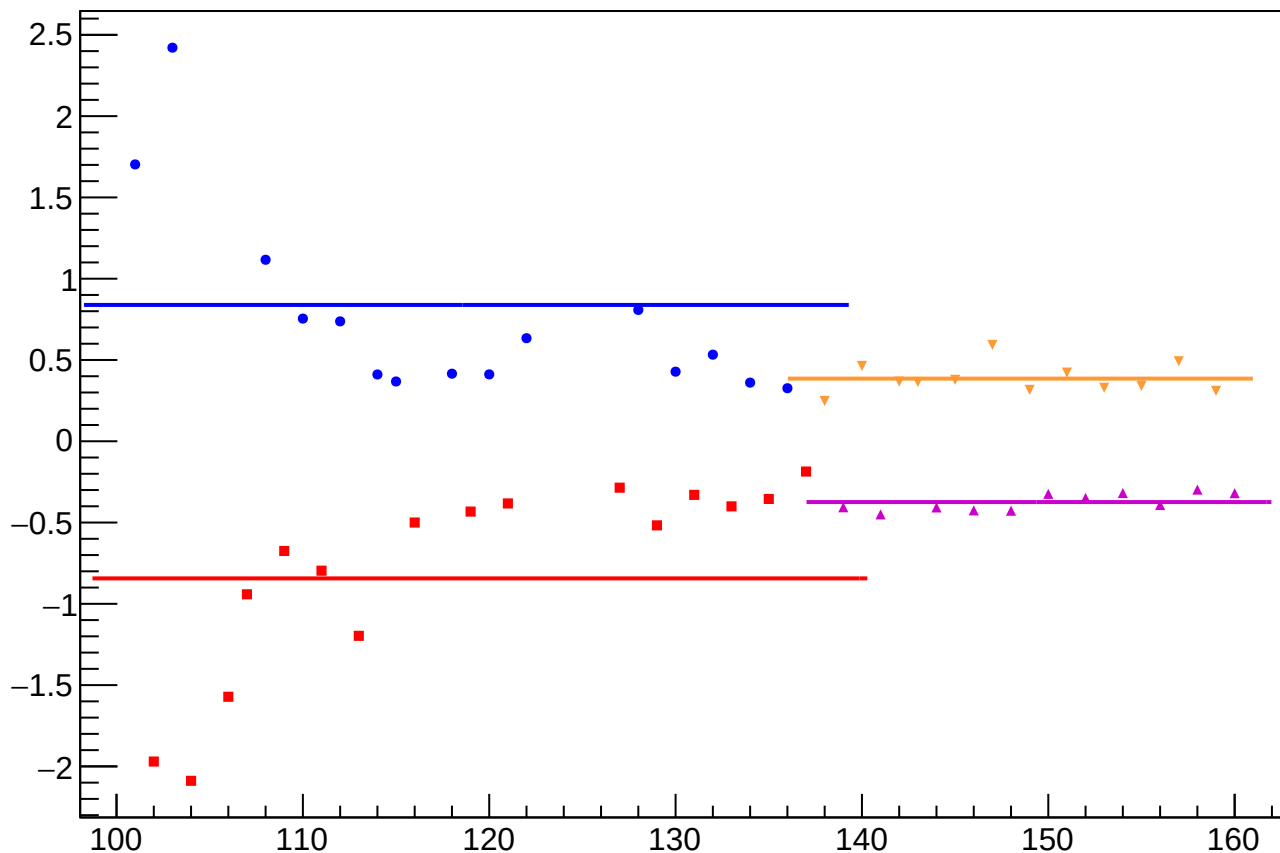
All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_4aY_coil3_mean vs Slug, Sign Corrected



Right In: 4.025 ± 0.000 $\chi^2/\text{NDF}: 769001650442321928129473832550400.0/14$
 Left Out: 4.098 ± 0.000 $\chi^2/\text{NDF}: 556317927026663328650590815256576.0/11$
 Right Out: -3.819 ± 0.000 $\chi^2/\text{NDF}: 888232240226434329114859171479552.0/15$
 Left In: -4.102 ± 0.000 $\chi^2/\text{NDF}: 329978343606173709019066465779712.0/10$
 All: 0.010 ± 0.000 $\chi^2/\text{NDF}: 53722994028363$

dit_4aY_coil3_err_mean vs Slug, Sign Corrected



Right In: 0.839+/-0.000

χ^2/NDF : 258416025334615661521163083841536.0/14

Left Out: 0.385+/-0.000

χ^2/NDF : 7658632015844553503510259302400.0/11

Right Out: -0.844+/-0.000

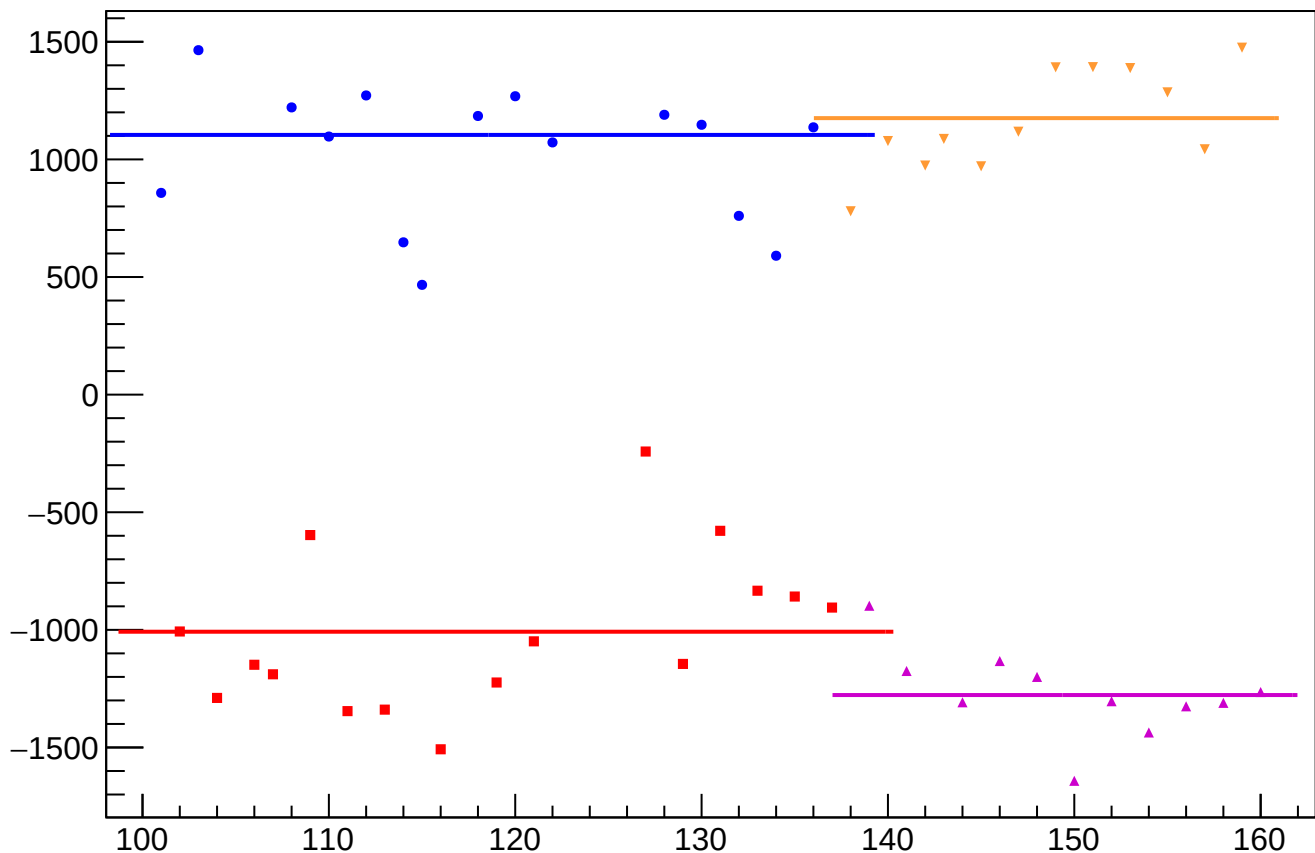
χ^2/NDF : 252917509393432760240648918925312.0/15

Left In: -0.374+/-0.000

χ^2/NDF : 2408191855928929204652403064832.0/10

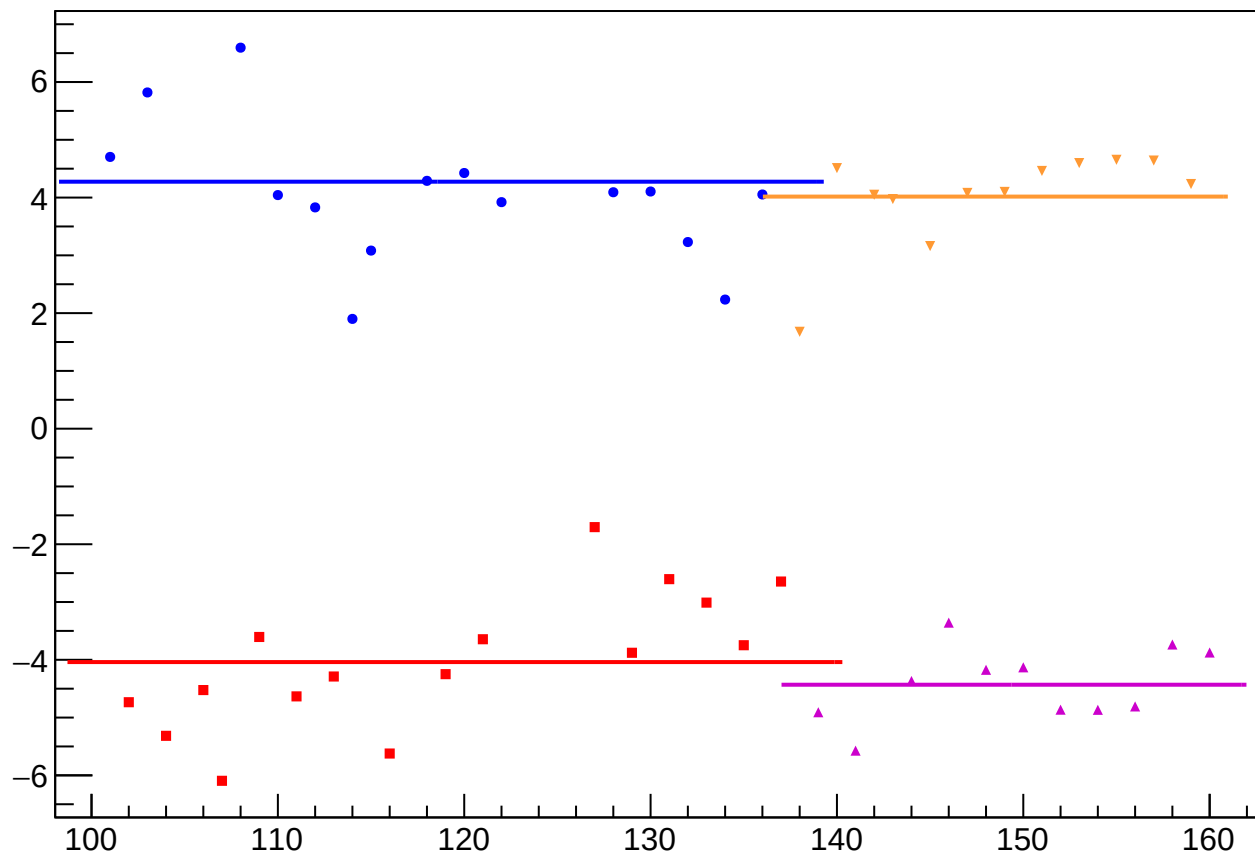
All: -0.003+/-0.000 χ^2/NDF : 1717963471846

dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected



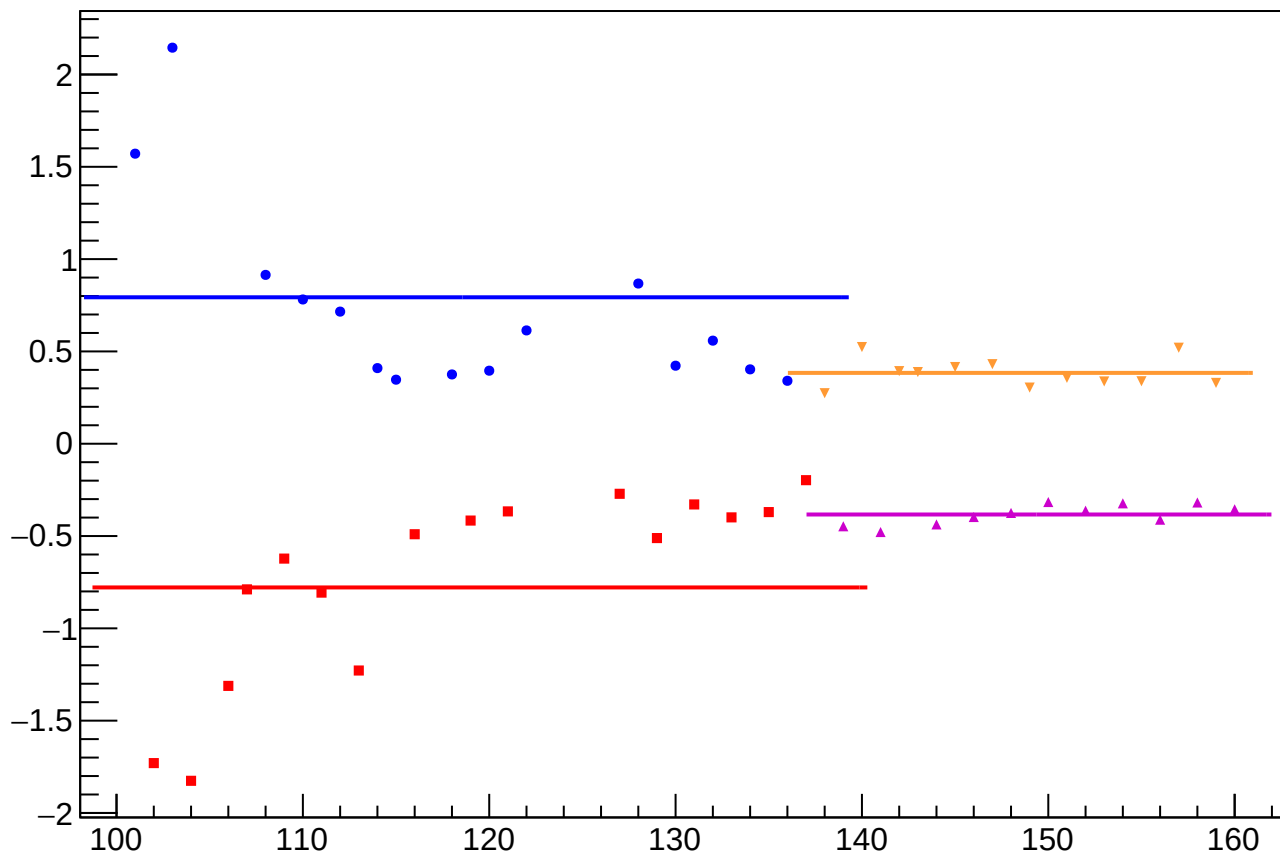
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_4eY_coil3_mean vs Slug, Sign Corrected



Right In: 4.275 ± 0.000 $\chi^2/\text{NDF}: 597188707898198851792415435522048.0/14$
 Left Out: 4.017 ± 0.000 $\chi^2/\text{NDF}: 618248057516763535647221148024832.0/11$
 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 $\chi^2/\text{NDF}: 5798588816900$

dit_4eY_coil3_err_mean vs Slug, Sign Corrected



Left: -0.001 +/- 0.000 χ^2/NDF : 27885771239610807

Right In: 0.793 +/- 0.000 χ^2/NDF : 195508777173589483440314700005376.0/14

Right: -0.003 +/- 0.000 χ^2/NDF : 1193841006449656

Left Out: 0.384 +/- 0.000 χ^2/NDF : 5453192114665634094551262035968.0/11

In: 0.102 +/- 0.000 χ^2/NDF : 7258405978340592610

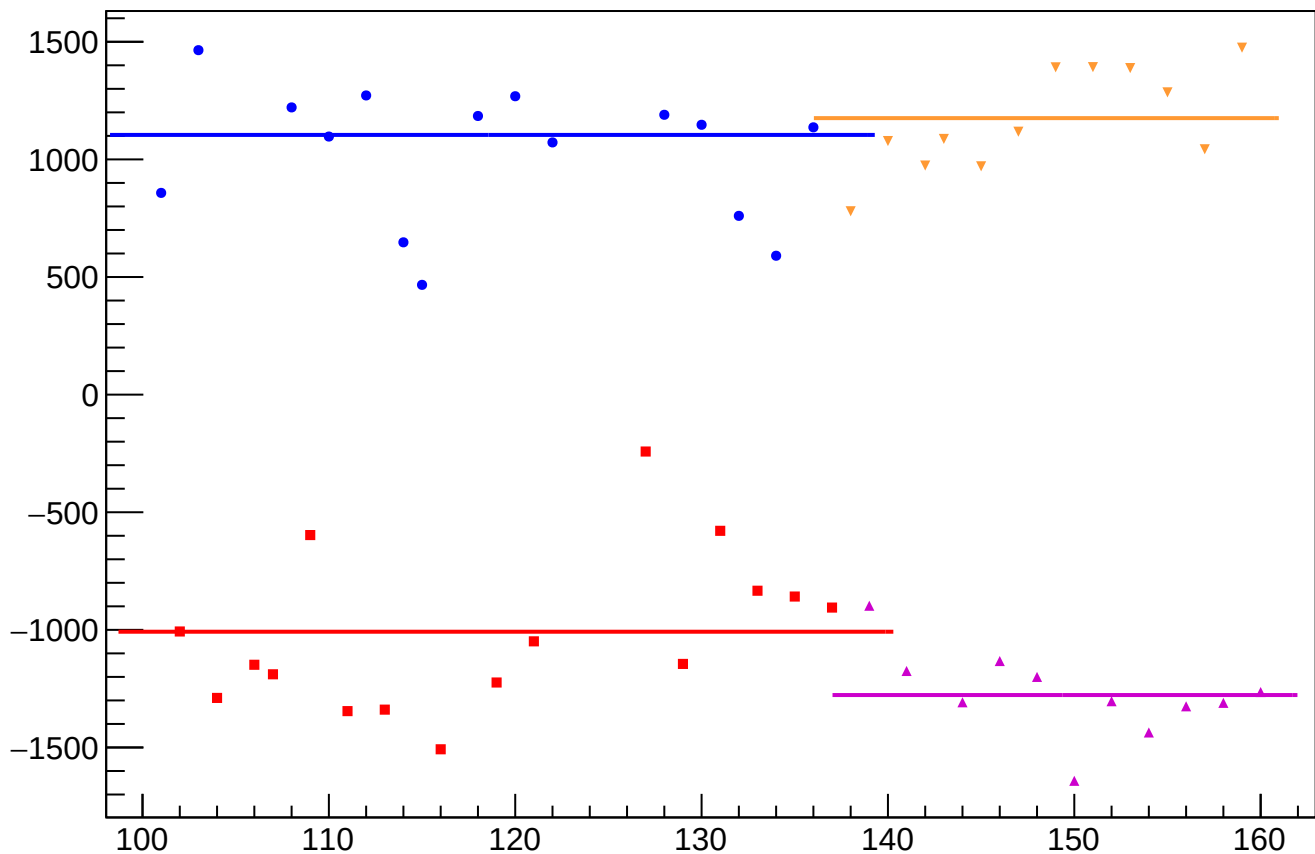
Right Out: -0.778 +/- 0.000 χ^2/NDF : 185814635772183306063903690063872.0/15

Out: -0.106 +/- 0.000 χ^2/NDF : 71279654868579041

Left In: -0.383 +/- 0.000 χ^2/NDF : 2618375268437967875049691021312.0/10

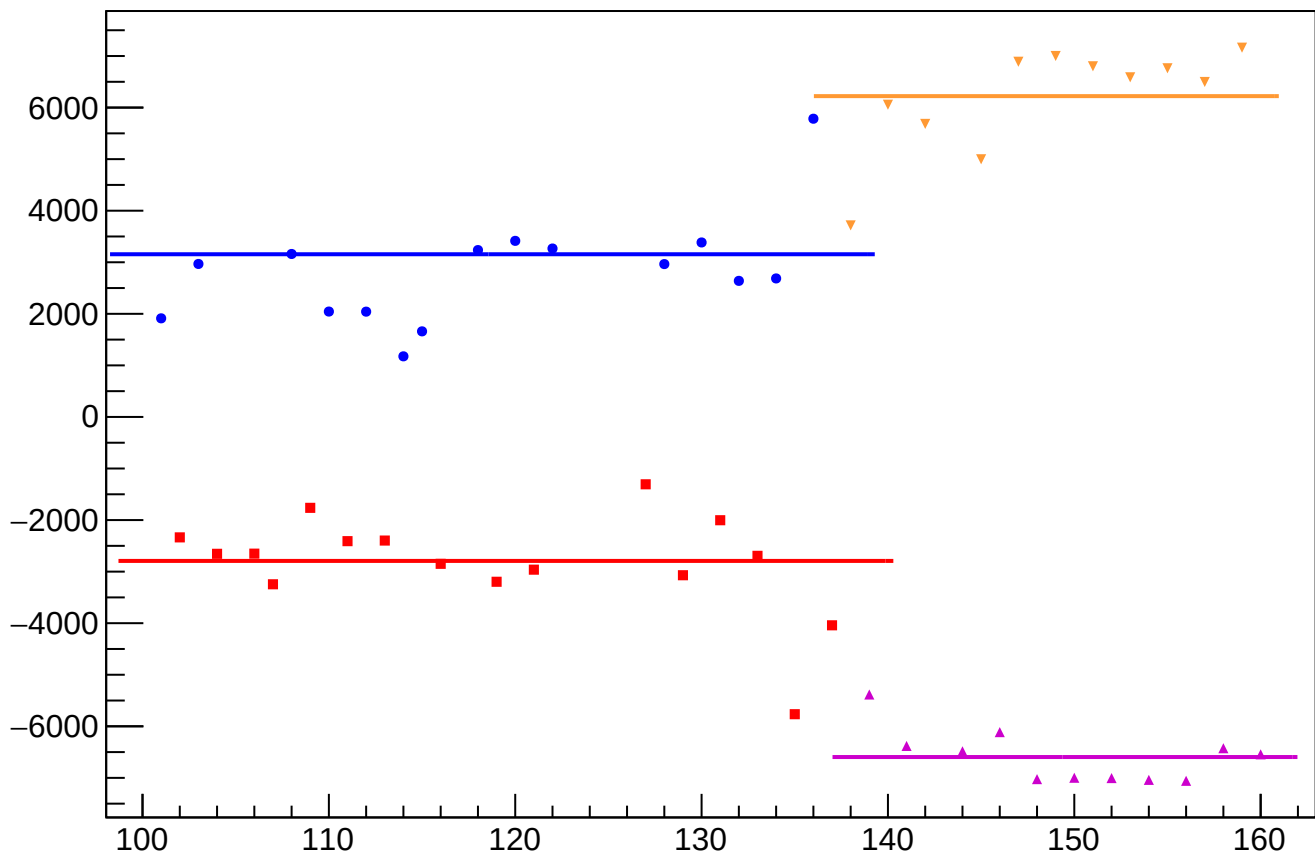
All: -0.002 +/- 0.000 χ^2/NDF : 1472702124552

dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected



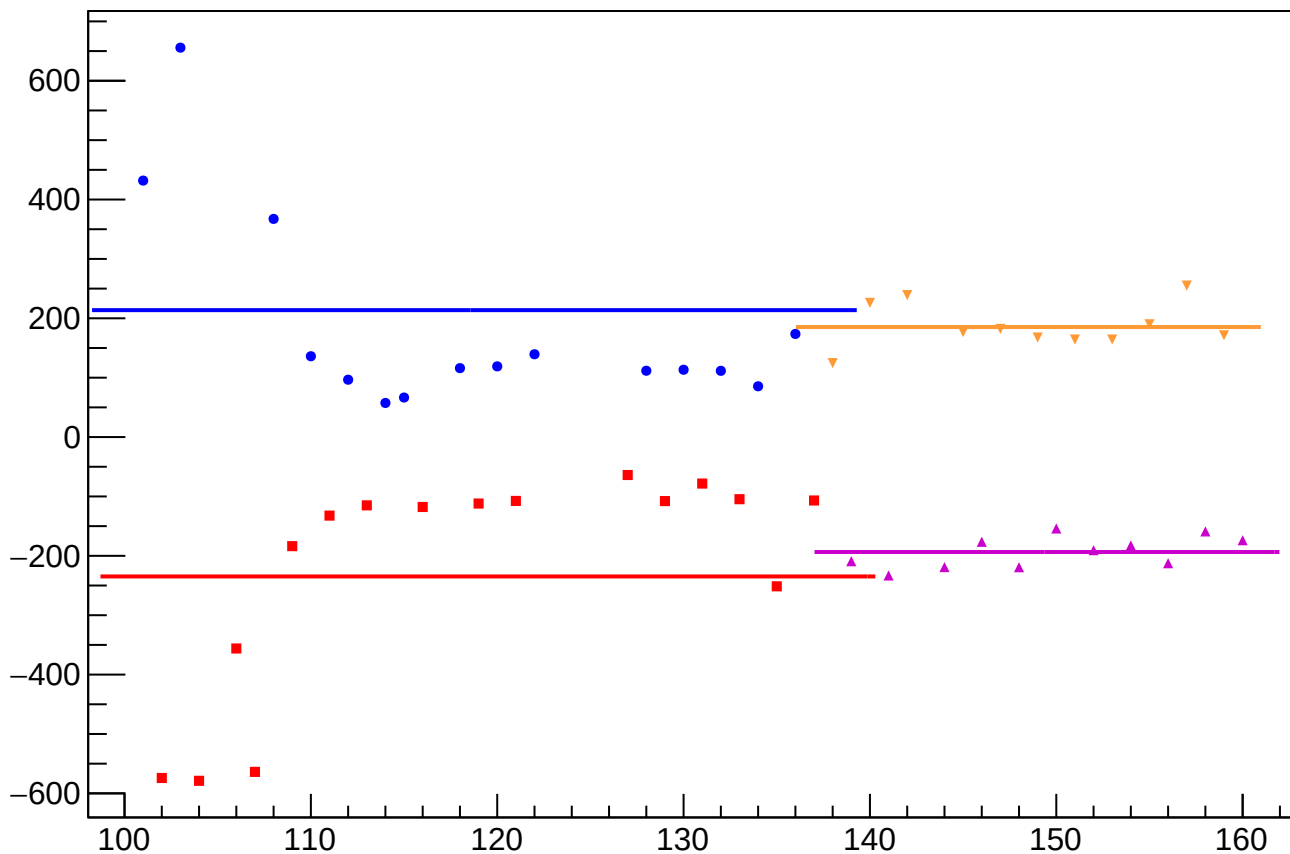
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_usl_coil3_mean vs Slug, Sign Corrected



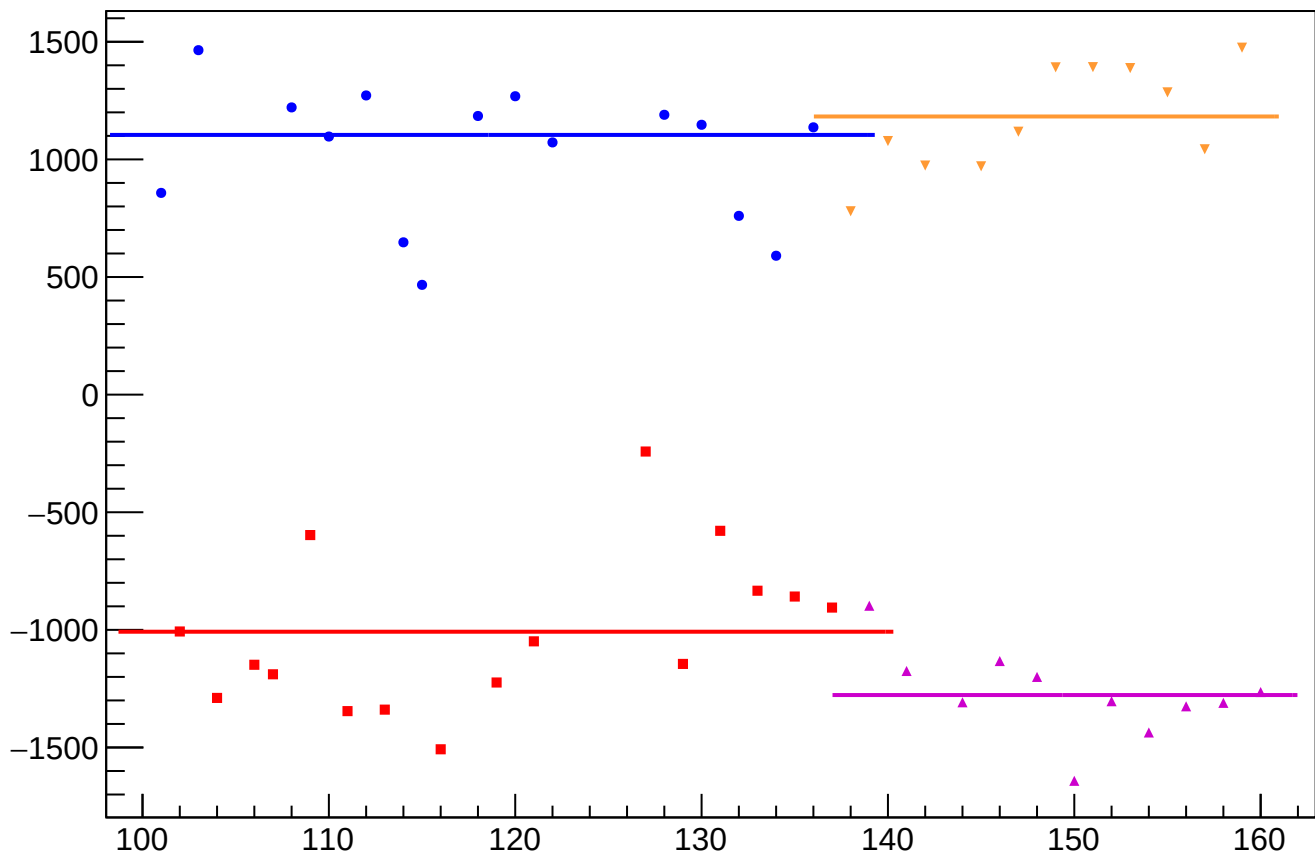
Right In: 3155.434+/-0.000 χ^2/NDF : 903550534773622902110918214033612996608.0/14
 Left Out: 6221.938+/-0.000 χ^2/NDF : 849977473152285312907595623686819807232.0/10
 Right Out: -2792.245+/-0.000 χ^2/NDF : 674635749324173001973264427530986717184.0/15
 Left In: -6595.861+/-0.000 χ^2/NDF : 225164805715400368671043826745864093696.0/10
 All: -200.802+/-0.000 χ^2/NDF : 87295634683

dit_usl_coil3_err_mean vs Slug, Sign Corrected



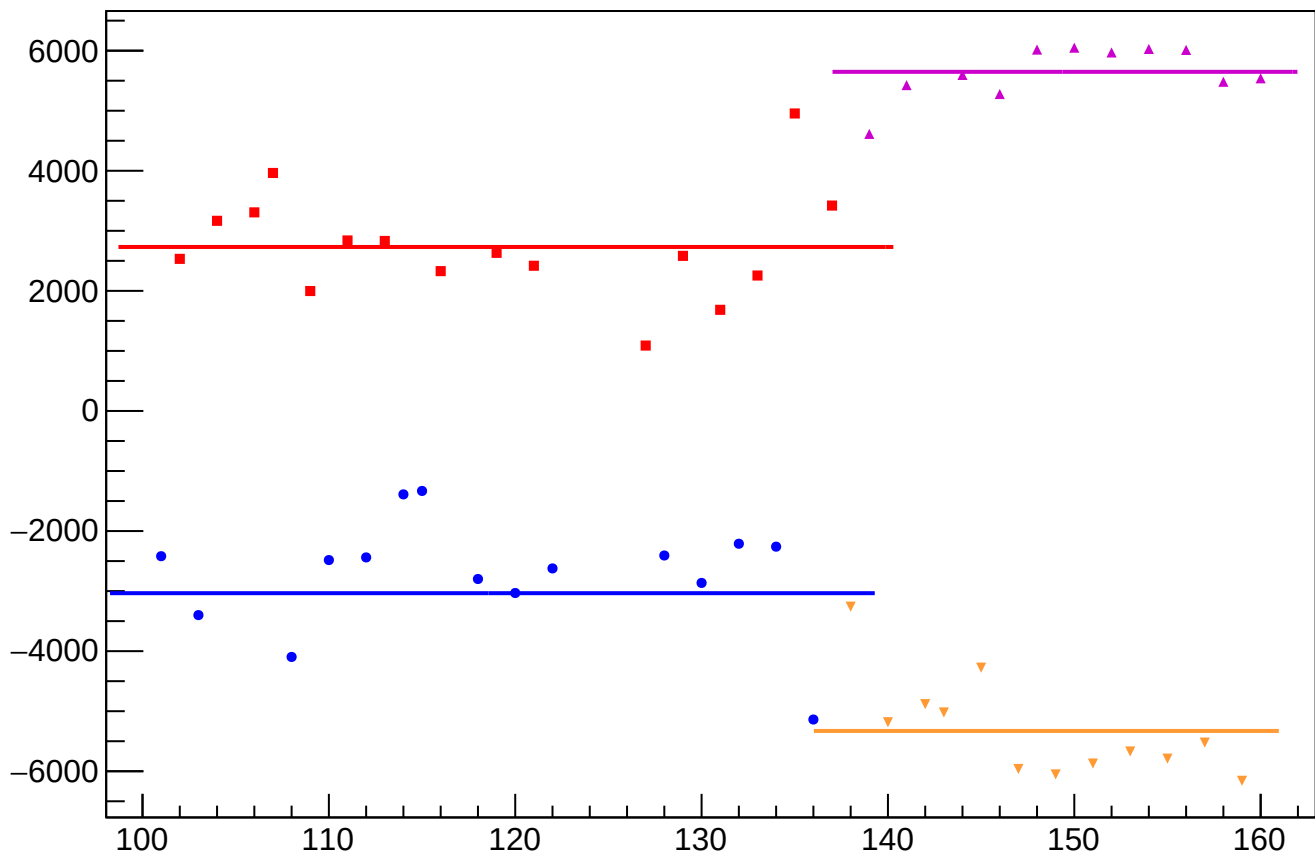
Right In: 213.739+/-0.000 χ^2/NDF : 19718138109054002114361149860507287552.0/14
 Left Out: 185.291+/-0.000 χ^2/NDF : 1063728674006350590661838746148667392.0/10
 Right Out: -234.712+/-0.000 χ^2/NDF : 24013134107167214895189050481067425792.0/15
 Left In: -193.543+/-0.000 χ^2/NDF : 598931150644293332680217057881489408.0/10
 All: -12.677+/-0.000 χ^2/NDF : 175086374280

dit_usl_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000	χ^2/NDF : 32737841591587454251521906421545304064.0/14	Left: -98.623+/-0.000	χ^2/NDF : 2747203039686591
Left Out: 1182.447+/-0.000	χ^2/NDF : 39401916671919600348661592701888626688.0/10	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: 219.385+/-0.000	χ^2/NDF : 1901508516691993
	All: -42.286+/-0.000		χ^2/NDF : 432950679043

dit_usr_coil3_mean vs Slug, Sign Corrected



Right In: -3034.527+/-0.000

Left Out: -5328.796+/-0.000

Right Out: 2731.035+/-0.000

Left In: 5647.632+/-0.000

χ^2/NDF : 630694553353463868547335175090919702528.0/14

χ^2/NDF : 624360364489310892896763337628232712192.0/11

χ^2/NDF : 528290847703567991555694629239211950080.0/15

χ^2/NDF : 164214312908035645215126356935491715072.0/10

Left: 180.286+/-0.000 χ^2/NDF : 5623960543067202

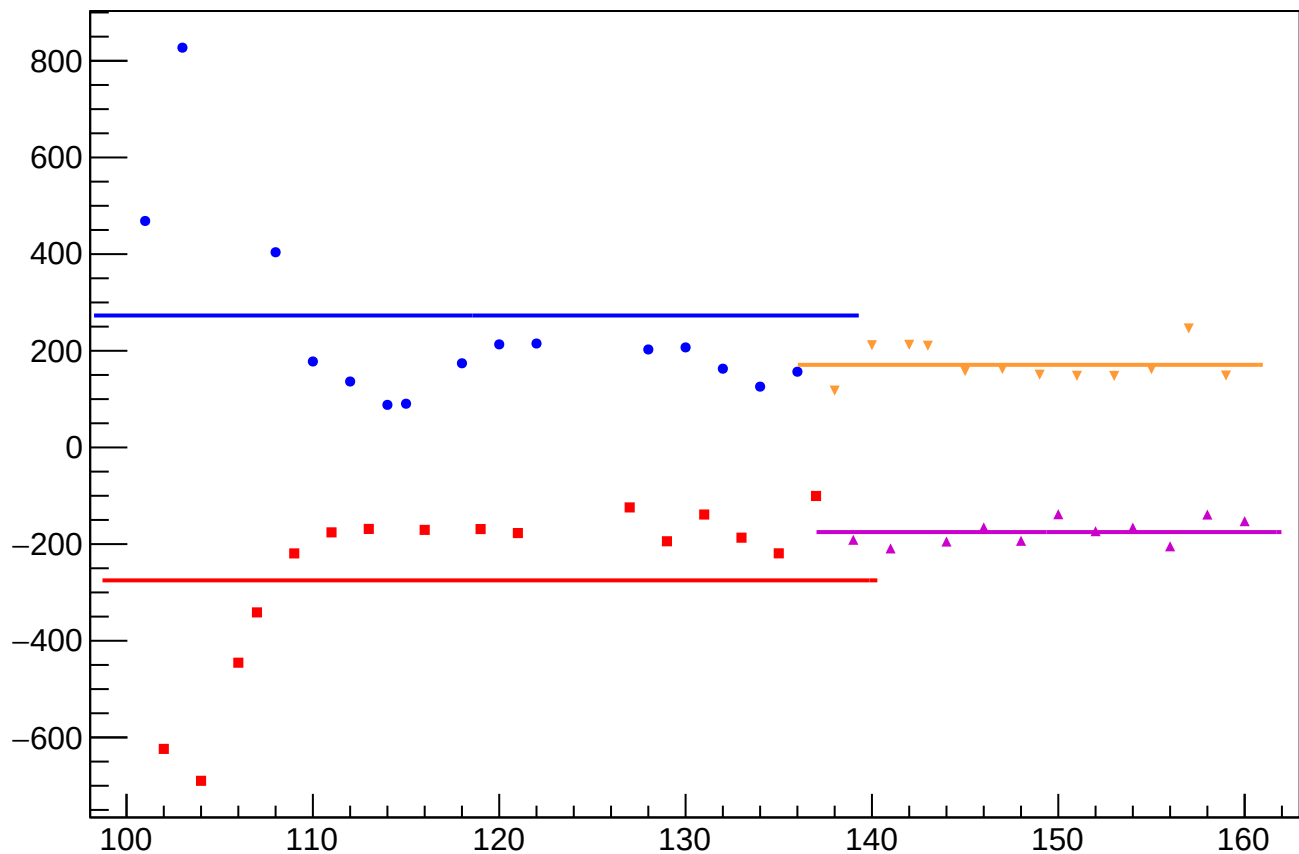
Right: -112.316+/-0.000 χ^2/NDF : 12093460154256

In: 2065.482+/-0.000 χ^2/NDF : 2953204271382502

Out: -1934.916+/-0.000 χ^2/NDF : 26236367057963

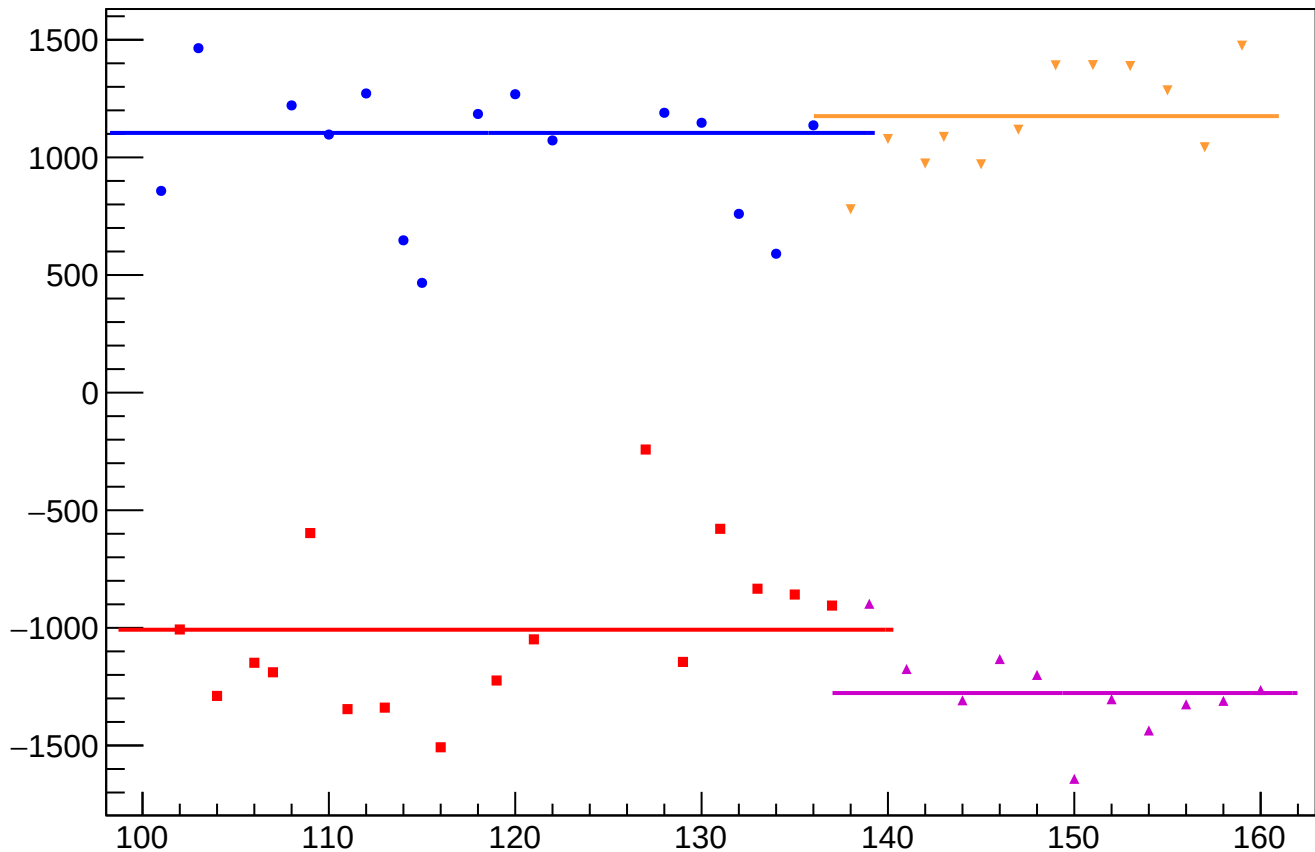
All: 58.314+/-0.000 χ^2/NDF : 6839876914332

dit_usr_coil3_err_mean vs Slug, Sign Corrected



Right In: 273.039+/-0.000 χ^2/NDF : 26485935053341175092913795212184125440.0/14
 Left Out: 170.956+/-0.000 χ^2/NDF : 1172503860973970615331214508834160640.0/11
 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: -3.572+/-0.000 χ^2/NDF : 2043863140361

dit_usr_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

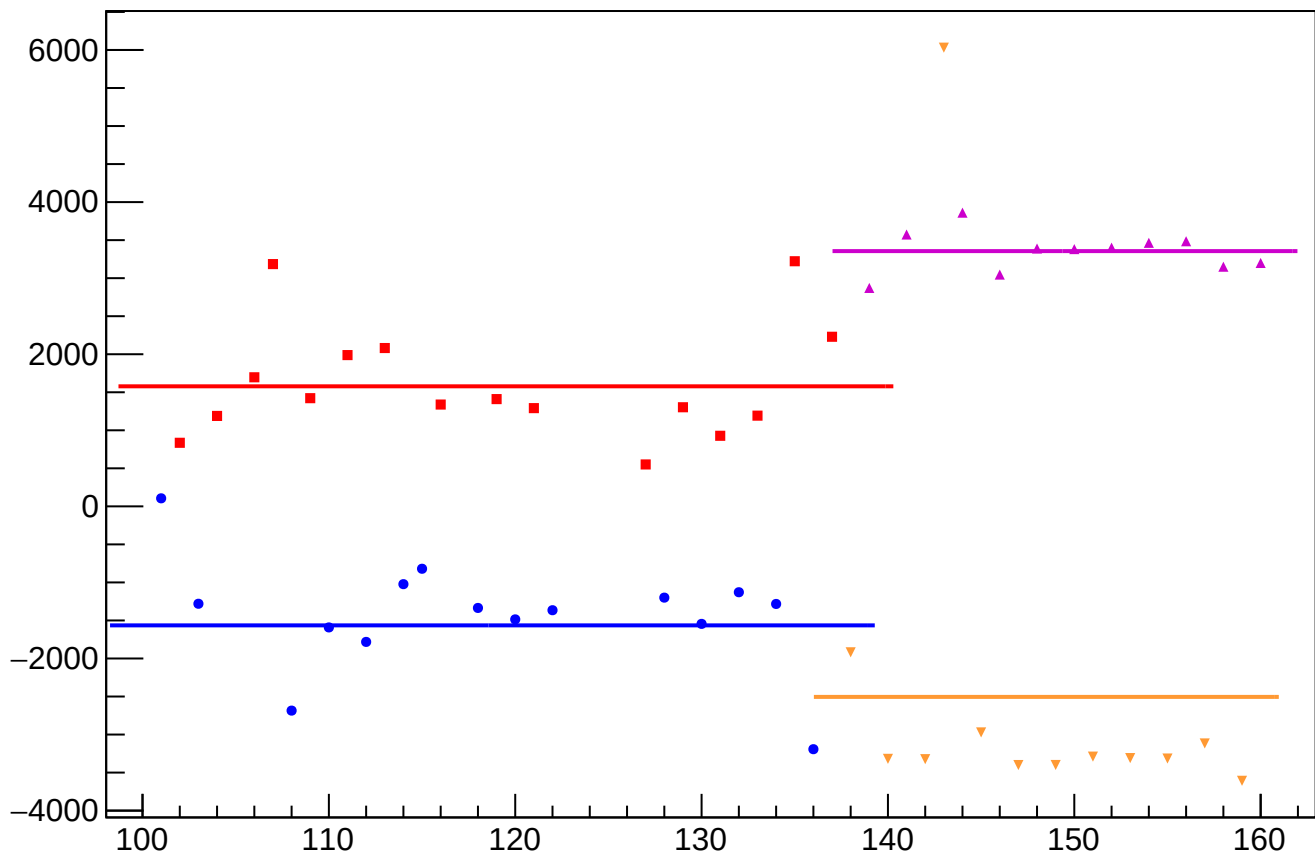
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

Left: -55.473+/-0.000 χ^2/NDF : 2837966684325657
 Right: 33.659+/-0.000 χ^2/NDF : 1569083056347410
 In: -294.641+/-0.000 χ^2/NDF : 2223953426306853
 Out: 256.086+/-0.000 χ^2/NDF : 1949816522076708
 All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_atl1_coil3_mean vs Slug, Sign Corrected



Right In: -1564.595+/-0.000

Left Out: -2504.960+/-0.000

Right Out: 1578.178+/-0.000

Left In: 3355.712+/-0.000

χ^2/NDF : 483874800978571042578975757029039144960.0/14

χ^2/NDF : 5422497697613230212283297952400402284544.0/11

χ^2/NDF : 368450572556217564071963203581098590208.0/15

χ^2/NDF : 61603128430044333980990125877093203968.0/10

Left: 436.518+/-0.000 χ^2/NDF : 2129229946412922

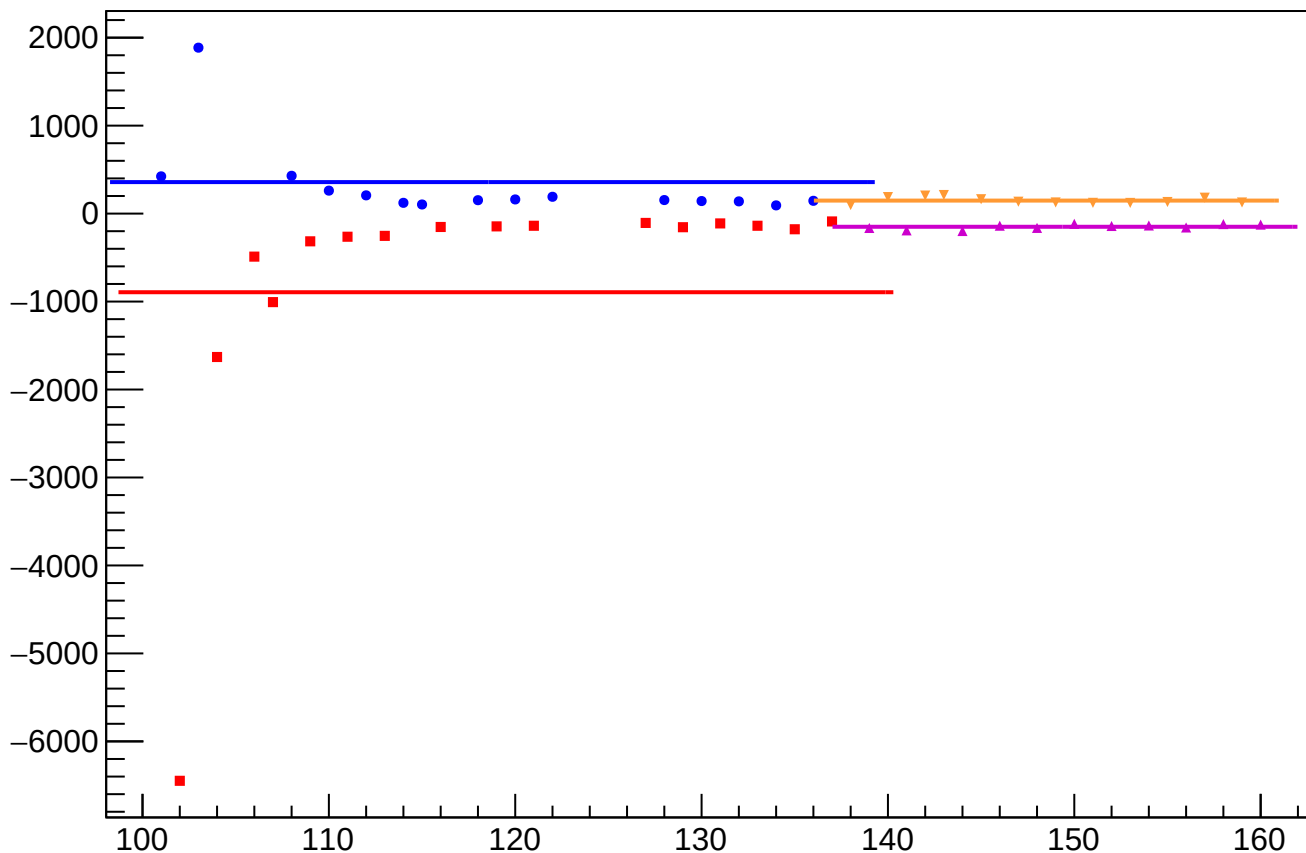
Right: 28.285+/-0.000 χ^2/NDF : 4101258280925694

In: 1325.655+/-0.000 χ^2/NDF : 977485555761575

Out: -785.608+/-0.000 χ^2/NDF : 122286097015398

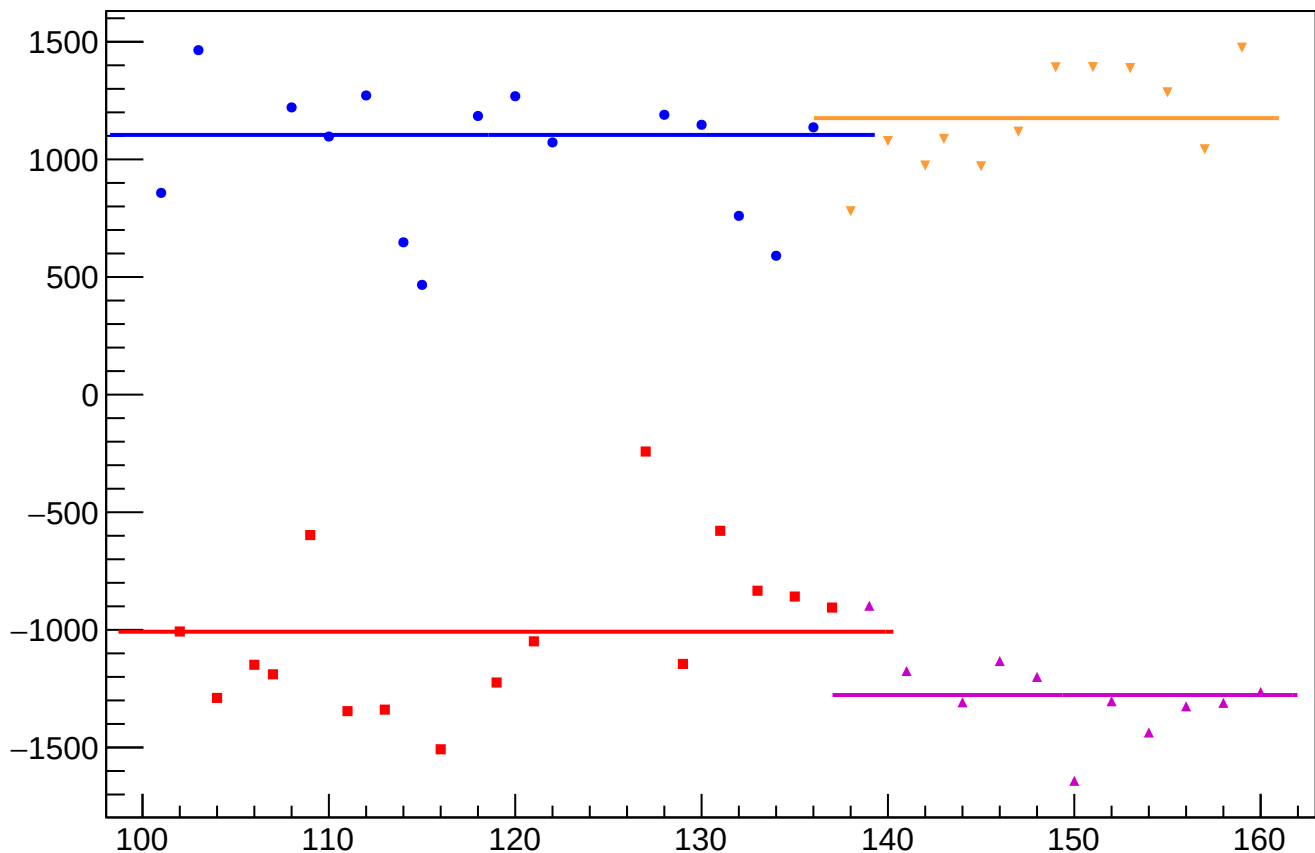
All: 266.345+/-0.000 χ^2/NDF : 255214523753

dit_atl1_coil3_err_mean vs Slug, Sign Corrected



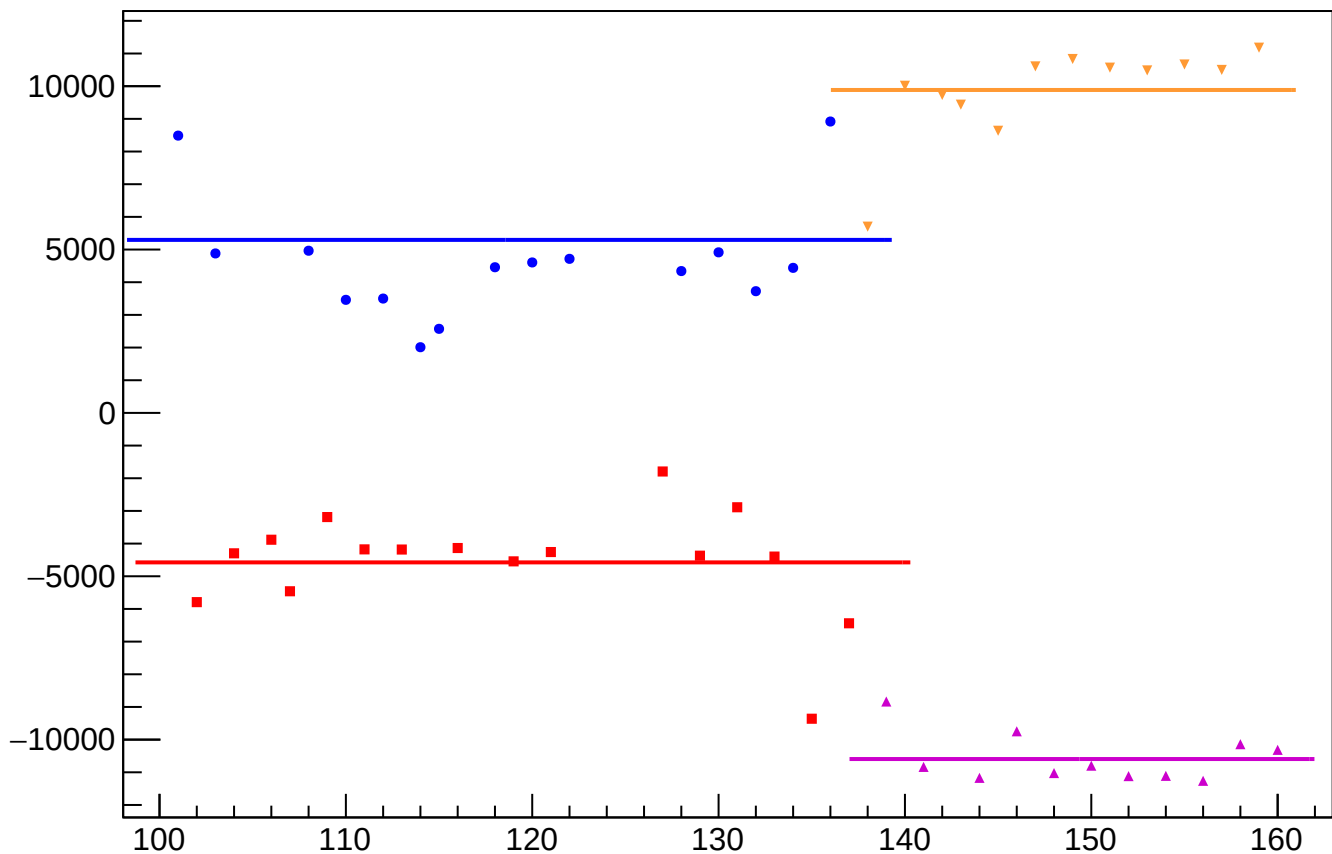
Right In: 358.080 ± 0.000 $\chi^2/\text{NDF}: 157922789145697858165644452090202816512.0/14$
 Left Out: 147.874 ± 0.000 $\chi^2/\text{NDF}: 1073020519575473807448825753294077952.0/11$
 Right Out: -893.897 ± 0.000 $\chi^2/\text{NDF}: 2075920155774201043572695656797803905024.0/15$
 Left In: -149.829 ± 0.000 $\chi^2/\text{NDF}: 645756718172892804384604635004928000.0/10$
 All: -116.147 ± 0.000 $\chi^2/\text{NDF}: 28499505144$

dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478+/-0.000 χ^2/NDF : 39966991584790626200337106489810354176.0/11
 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: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_atl2_coil3_mean vs Slug, Sign Corrected



Right In: 5295.485+/-0.000

χ^2/NDF : 2505645232968263275444048016093183213568.0/14

Left Out: 9883.978+/-0.000

χ^2/NDF : 1902428891005248408553336449765040193536.0/11

Right Out: -4575.270+/-0.000

χ^2/NDF : 1863322094770403739096100800072716910592.0/15

Left In: -10594.095+/-0.000

χ^2/NDF : 469955671378487676963254464485150162944.0/10

Left: -393.990+/-0.000 χ^2/NDF : 195376095713873

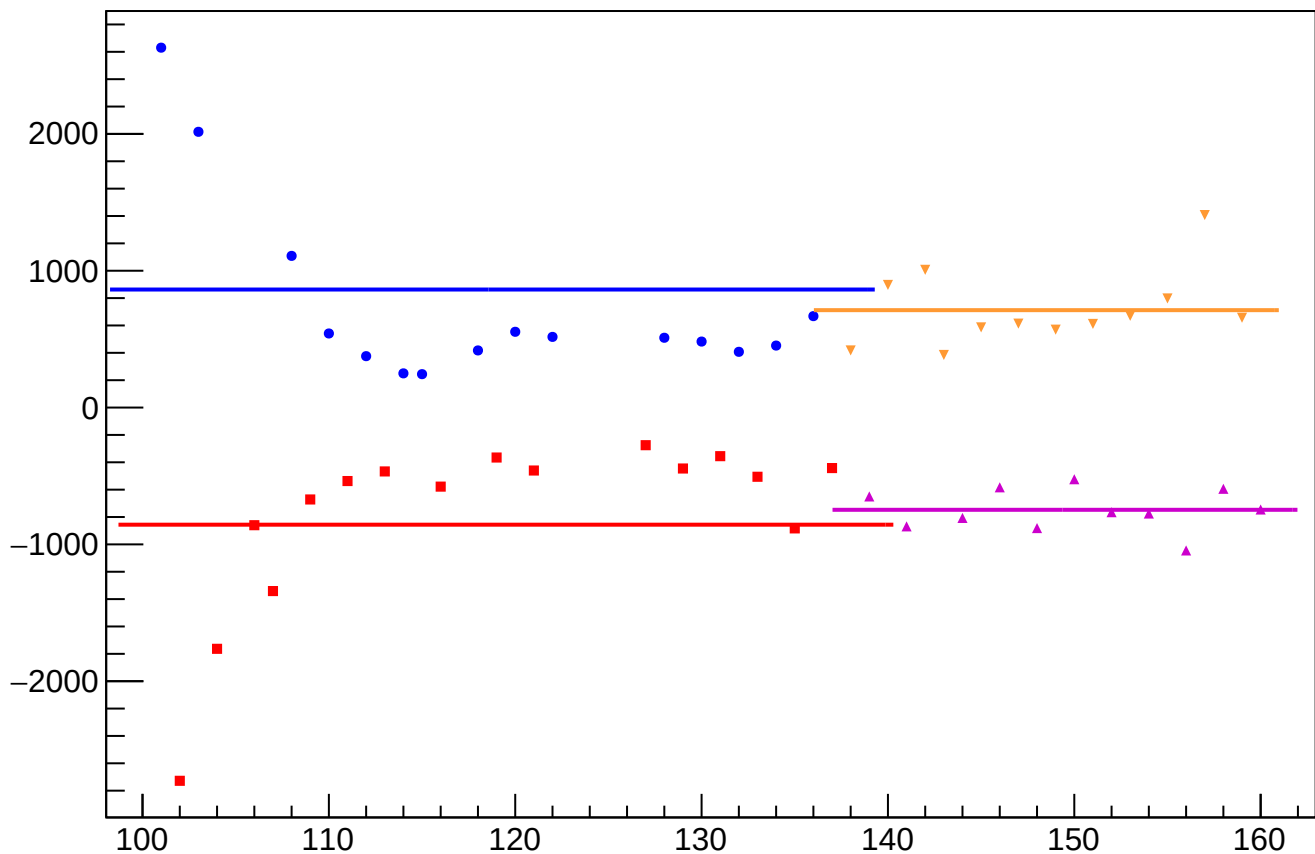
Right: 292.602+/-0.000 χ^2/NDF : 364180360676330

In: -4038.254+/-0.000 χ^2/NDF : 992282671575764

Out: 3795.393+/-0.000 χ^2/NDF : 844950893616626

All: -107.783+/-0.000 χ^2/NDF : 23215590234

dit_atl2_coil3_err_mean vs Slug, Sign Corrected



Right In: 862.683+/-0.000

χ^2/NDF : 337684000863819315026459106525759668224.0/14

Left Out: 711.884+/-0.000

χ^2/NDF : 64392508404620992008761939417708363776.0/11

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: -20.470+/-0.000 χ^2/NDF : 1063996578023286

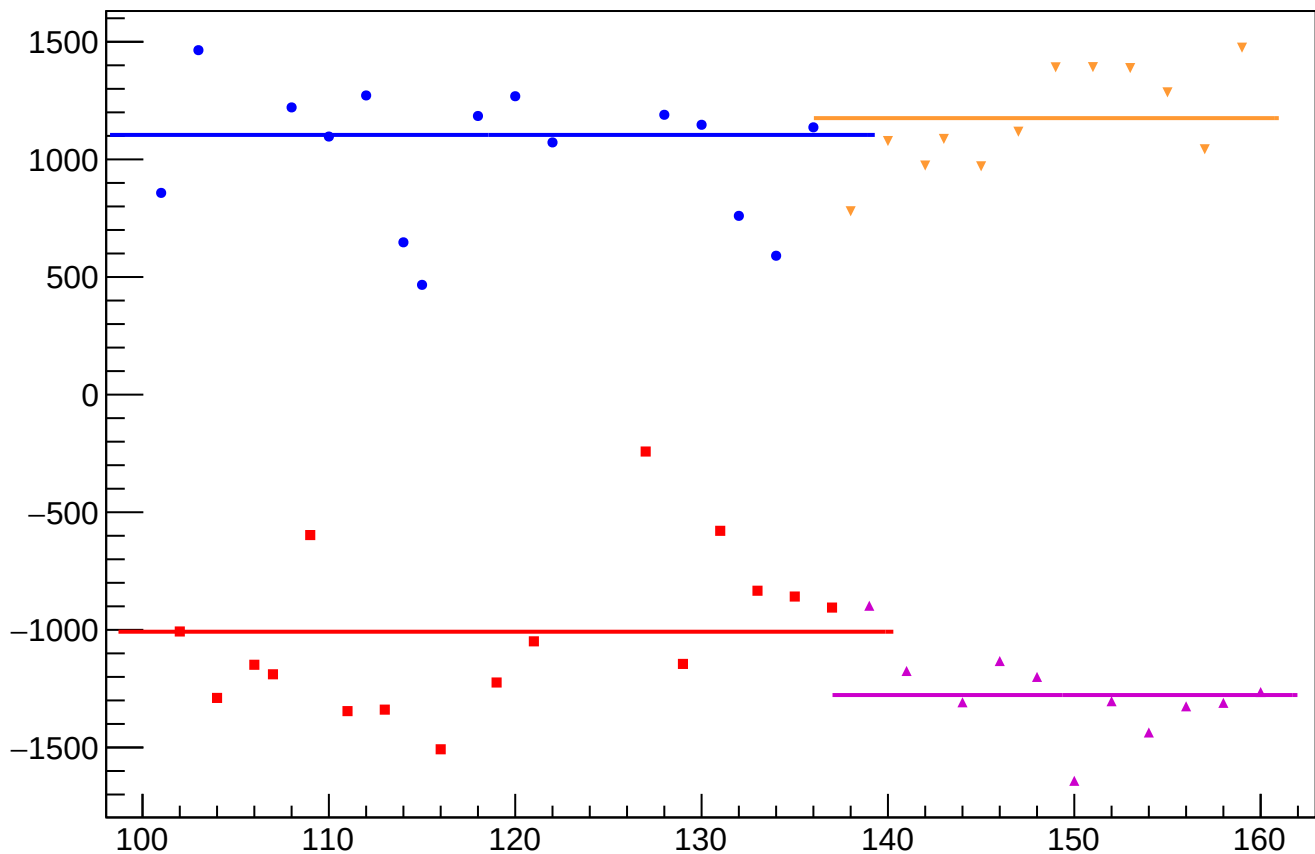
Right: -8.442+/-0.000 χ^2/NDF : 1636587396882894

In: -83.027+/-0.000 χ^2/NDF : 13454995318402178

Out: 51.646+/-0.000 χ^2/NDF : 13408812979789570

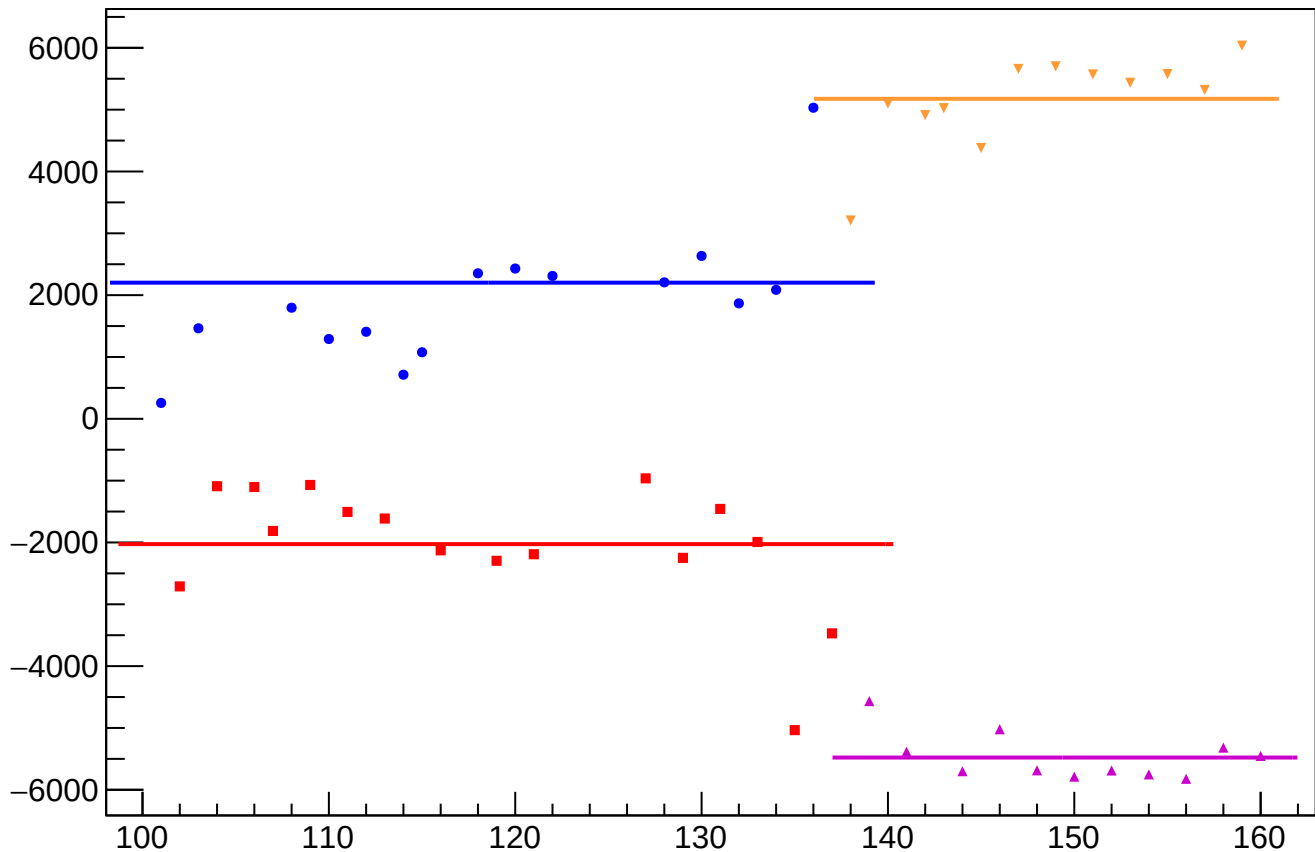
All: -15.456+/-0.000 χ^2/NDF : 270069498605

dit_atl2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 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: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_atr1_coil3_mean vs Slug, Sign Corrected



Right In: 2201.844+/-0.000

χ^2/NDF : 1086544775216266395419904724422998622208.0/14

Left Out: 5175.489+/-0.000

χ^2/NDF : 491163082398861244777680604445322248192.0/11

Right Out: -2026.969+/-0.000

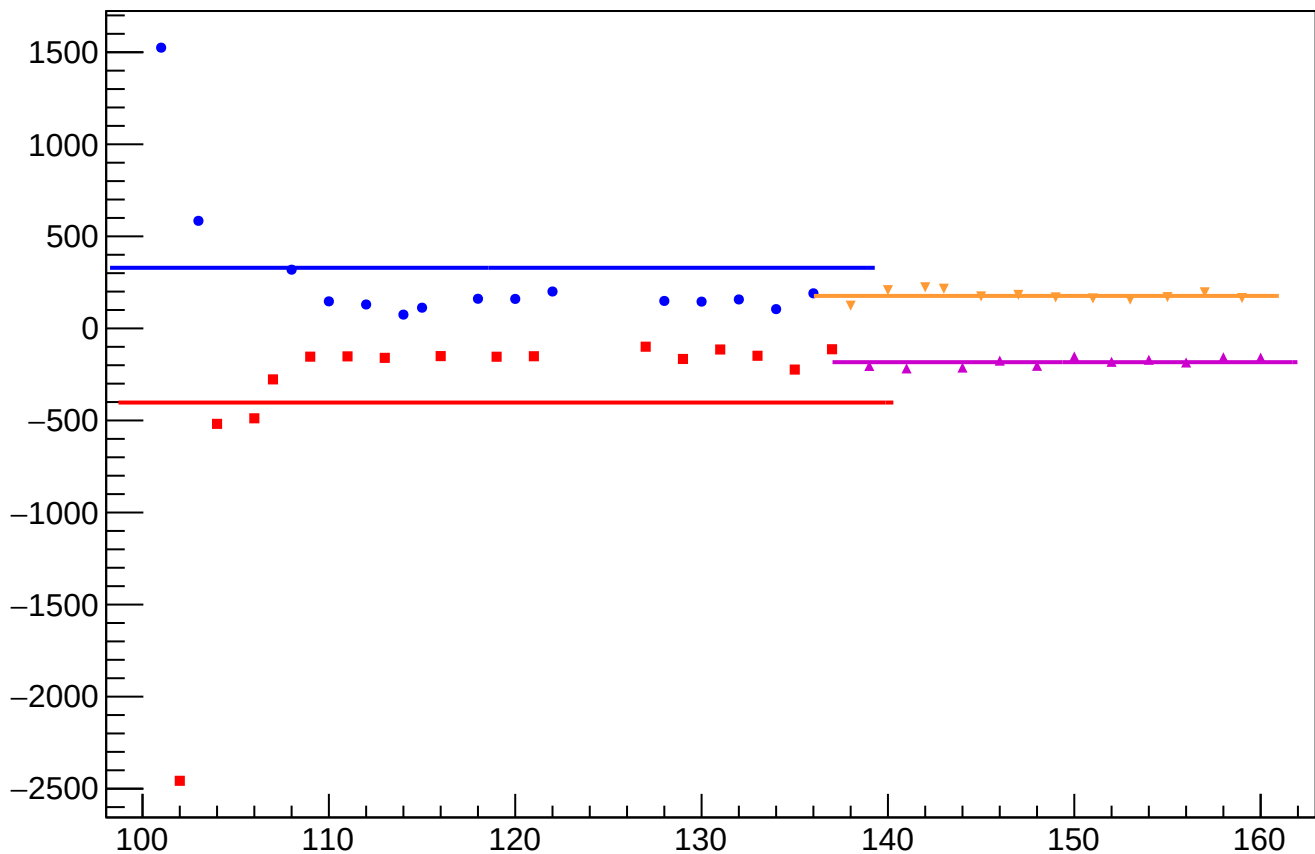
χ^2/NDF : 708626456603410705124518299956645199872.0/15

Left In: -5478.713+/-0.000

χ^2/NDF : 124186054771424011873849346802583601152.0/10

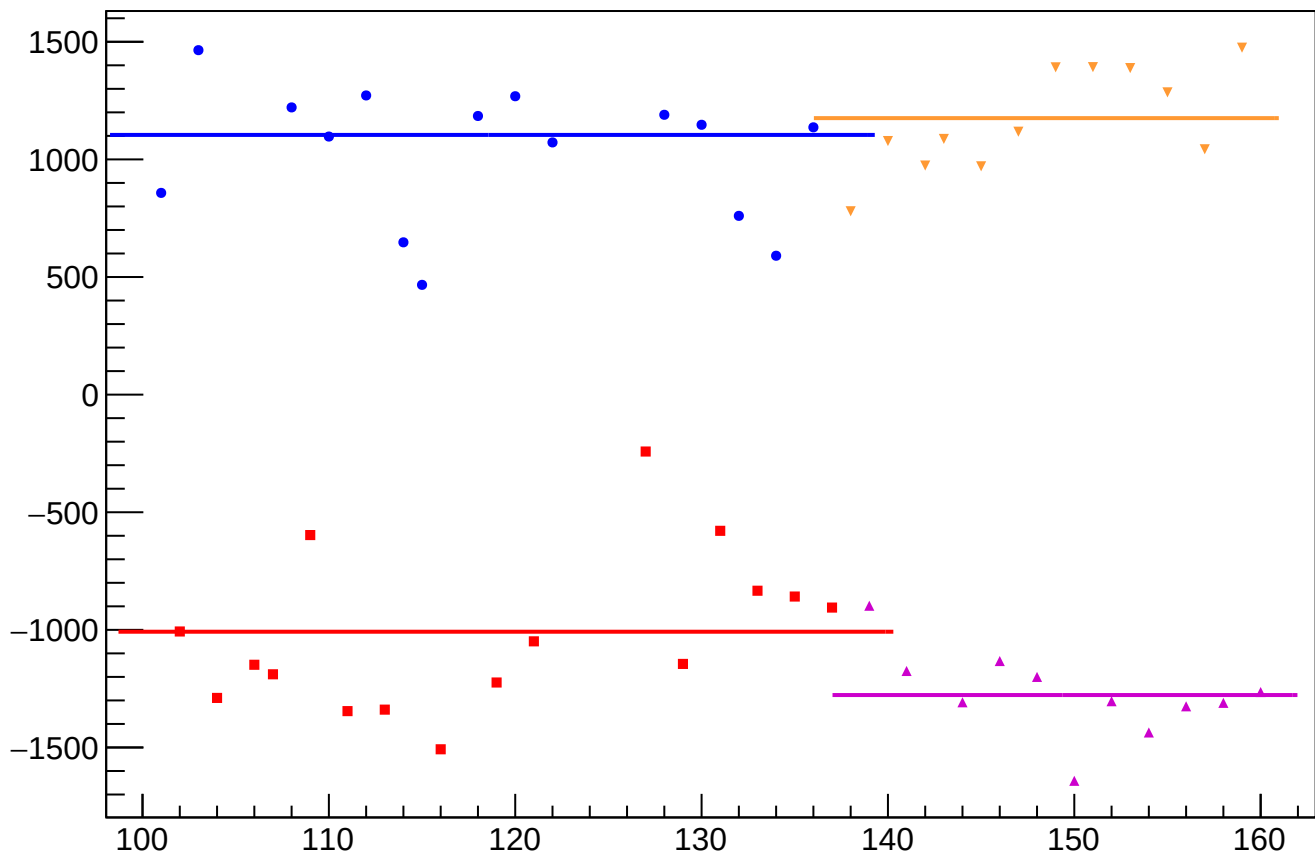
Left: -171.867+/-0.000 χ^2/NDF : 528584918869395
 Right: 58.517+/-0.000 χ^2/NDF : 7677530711207331
 In: -2309.812+/-0.000 χ^2/NDF : 236998936360445
 Out: 2142.635+/-0.000 χ^2/NDF : 212307336274695
 All: -75.831+/-0.000 χ^2/NDF : 605767549584

dit_atr1_coil3_err_mean vs Slug, Sign Corrected



Right In: 329.229+/-0.000 χ^2/NDF : 103285029091922742033837903437132464128.0/14
 Left Out: 176.521+/-0.000 χ^2/NDF : 603954020649542809657845120778633216.0/11
 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: -19.806+/-0.000 χ^2/NDF : 618902446479

dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

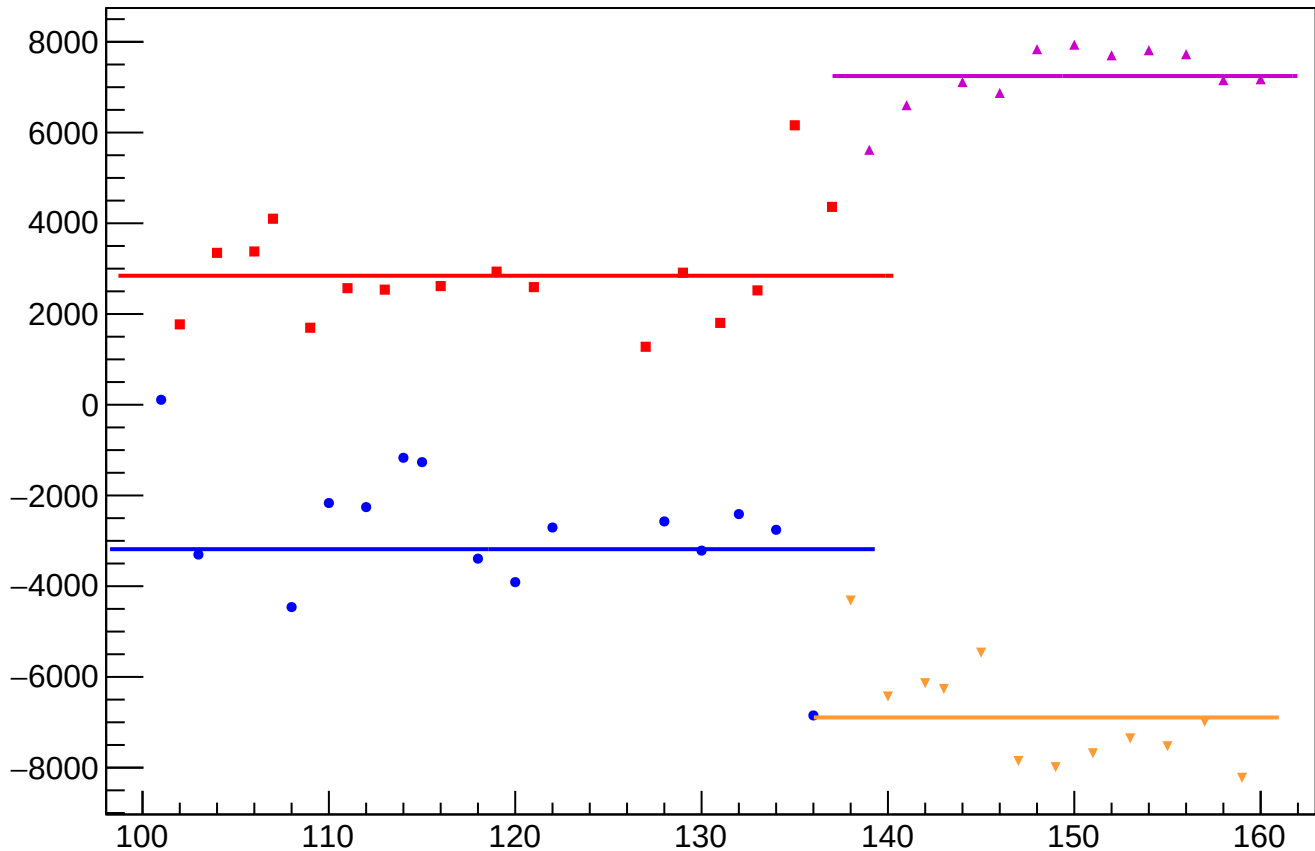
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_atr2_coil3_mean vs Slug, Sign Corrected



Right In: -3183.928+/-0.000

Left Out: -6893.642+/-0.000

Right Out: 2843.597+/-0.000

Left In: 7245.920+/-0.000

χ^2/NDF : 2134923281384422537296044119642733543424.0/14

χ^2/NDF : 1166796992551395591900489719368617295872.0/11

χ^2/NDF : 947077611563723244705531091944015396864.0/15

χ^2/NDF : 401760462783969098772010925007315140608.0/10

Left: 203.020+/-0.000 χ^2/NDF : 9358372073550295

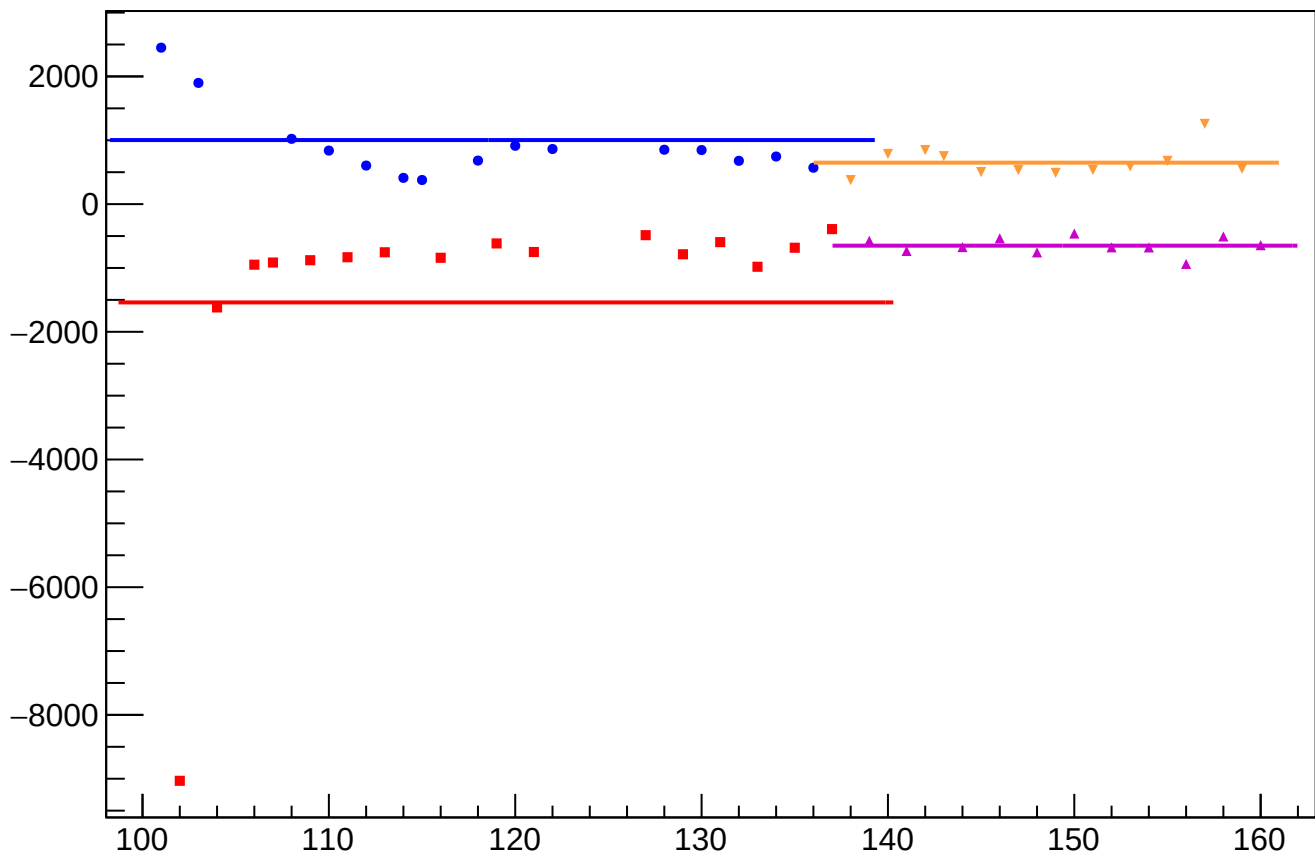
Right: -128.944+/-0.000 χ^2/NDF : 15032681342441

In: 2942.696+/-0.000 χ^2/NDF : 4400762301393366

Out: -2793.428+/-0.000 χ^2/NDF : 38724876379367

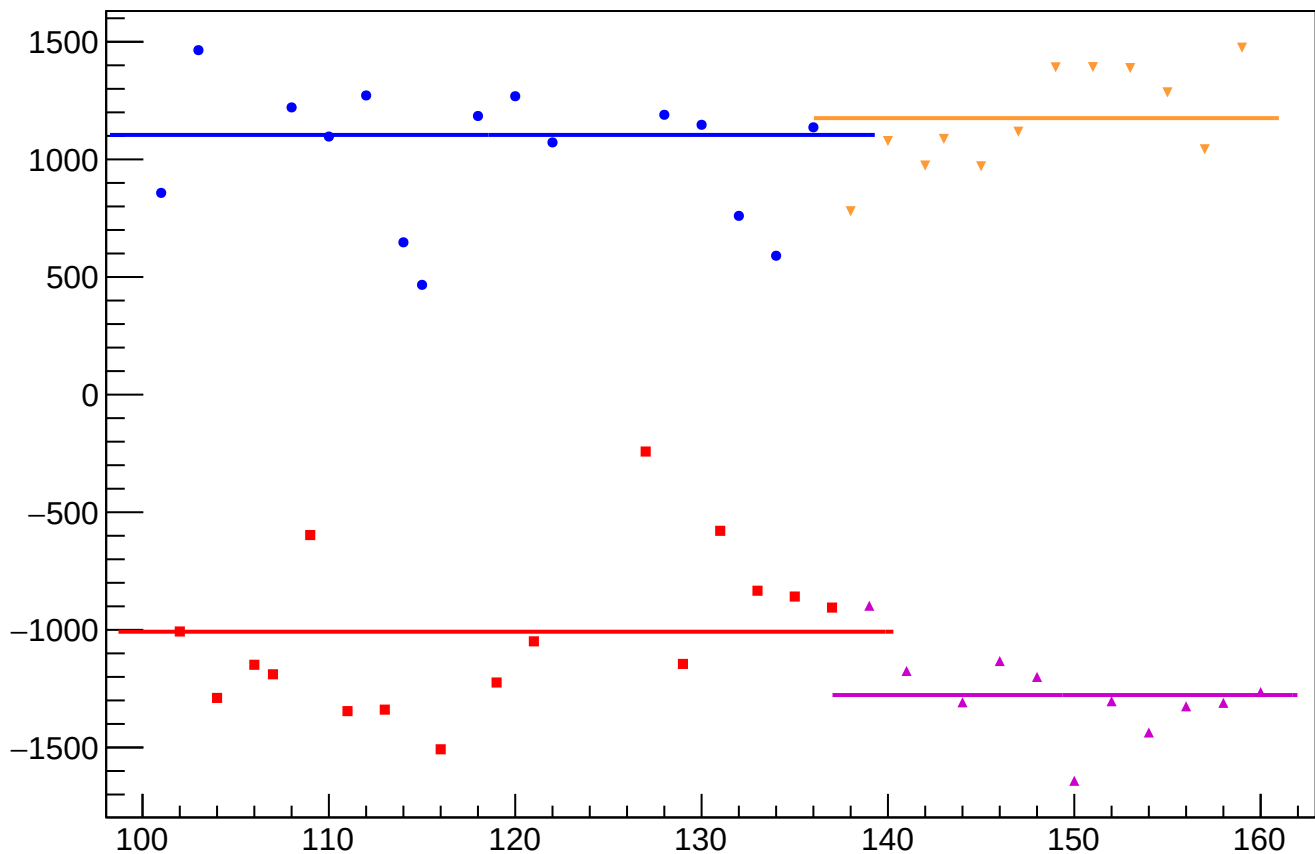
All: 64.640+/-0.000 χ^2/NDF : 1087009722996

dit_atr2_coil3_err_mean vs Slug, Sign Corrected



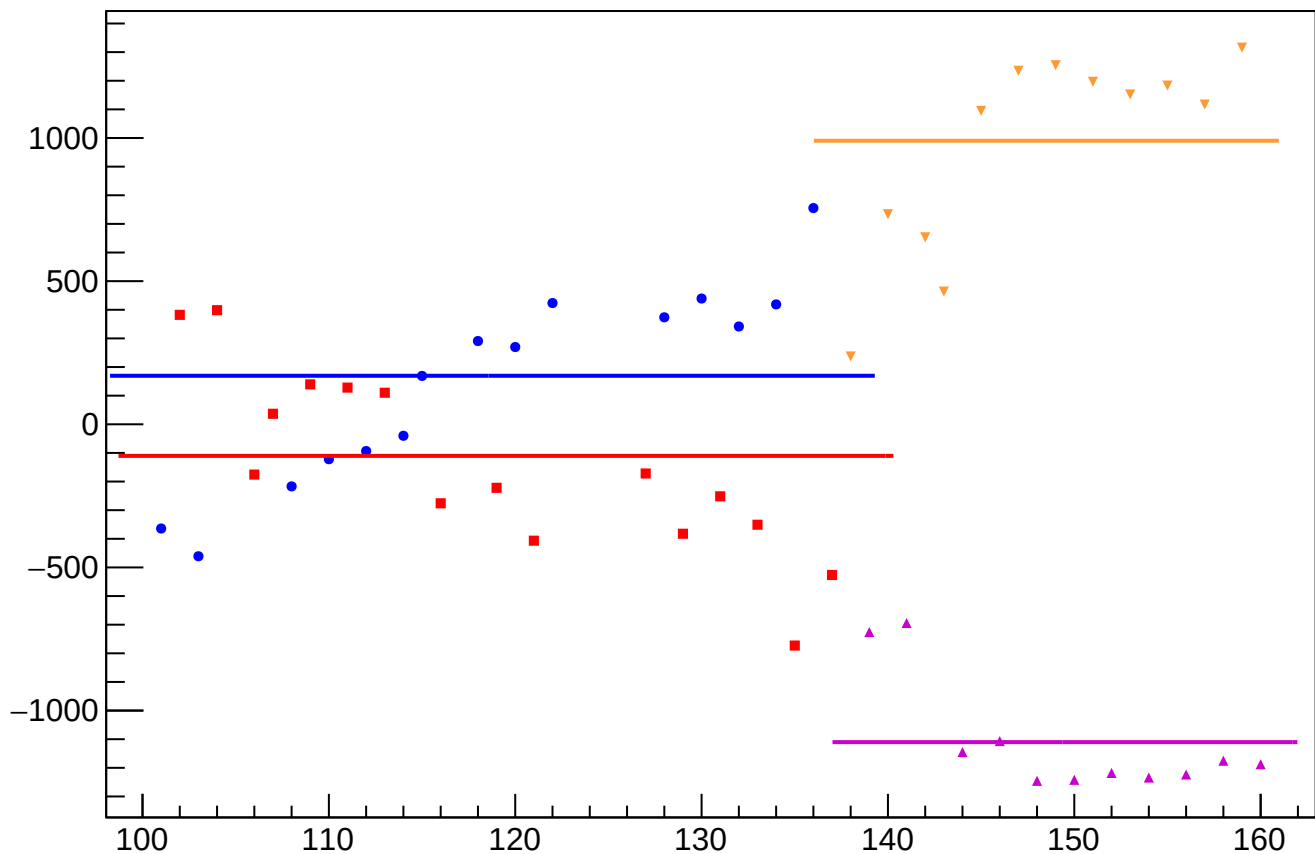
Left: -3.131 +/- 0.000 χ^2/NDF : 83891546678998356
 Right In: 1003.407 +/- 0.000 χ^2/NDF : 219815257294811198811064619822196195328.0/14
 Right: -285.472 +/- 0.000 χ^2/NDF : 59617429830759
 Left Out: 649.450 +/- 0.000 χ^2/NDF : 46064570136396855168938023455129862144.0/11
 In: 31.723 +/- 0.000 χ^2/NDF : 127775317532397342
 Right Out: -1539.568 +/- 0.000 χ^2/NDF : 3614774785297482293145354574125437288448.0/15
 Out: -272.314 +/- 0.000 χ^2/NDF : 551112500200463
 Left In: -650.769 +/- 0.000 χ^2/NDF : 14776465774858799846922535858394365952.0/10
 All: -120.825 +/- 0.000 χ^2/NDF : 68618344036

dit_atr2_coil3_Ndata_mean vs Slug, Sign Corrected



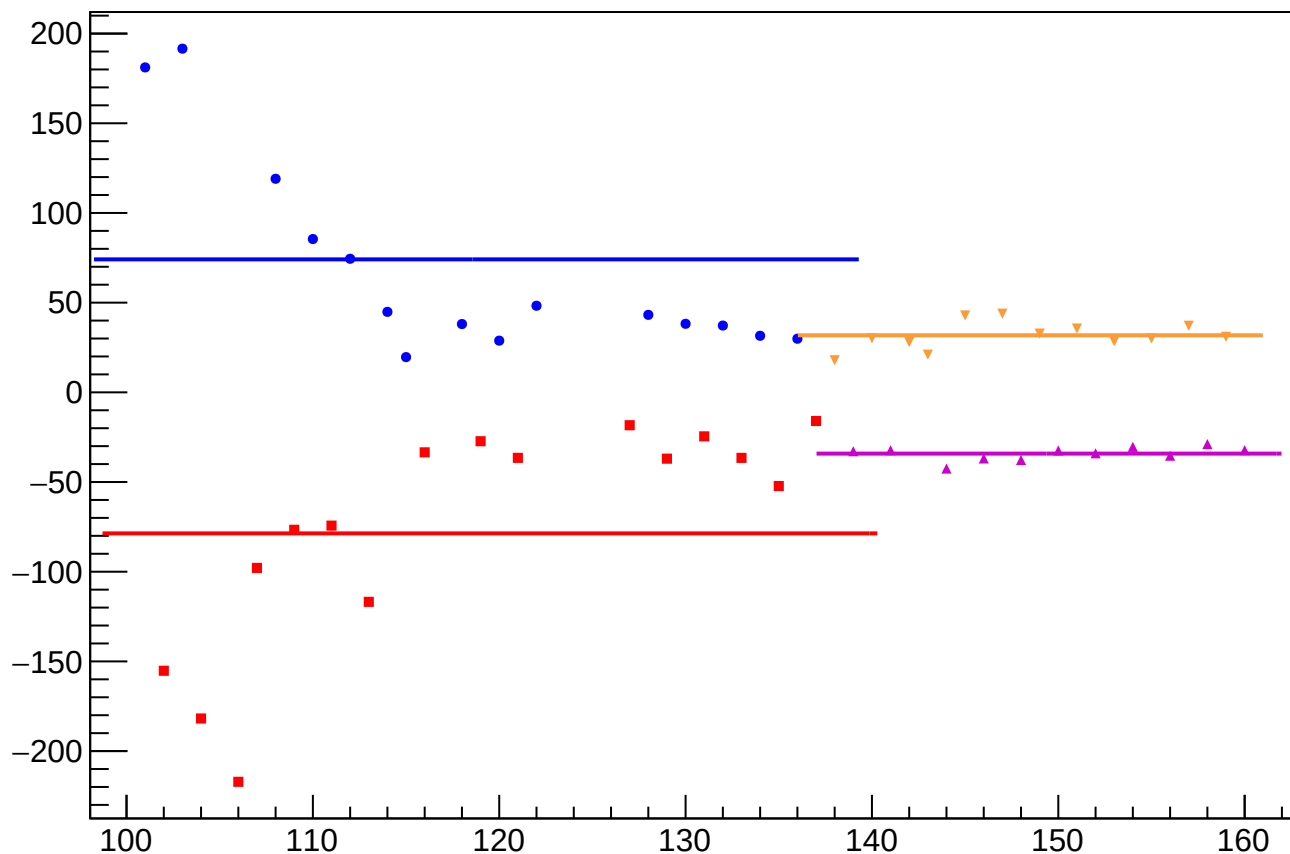
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478+/-0.000 χ^2/NDF : 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_sam1_coil3_mean vs Slug, Sign Corrected



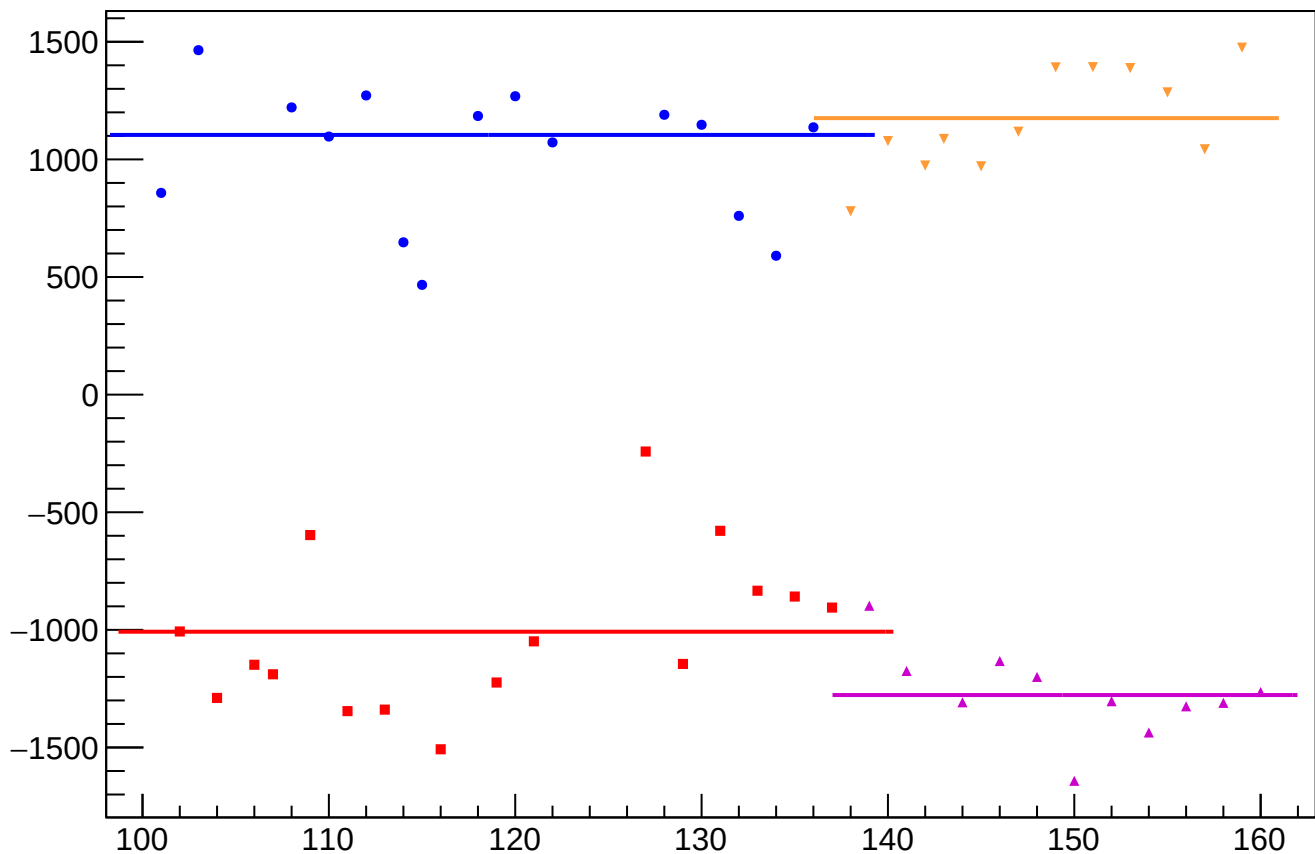
Right In: 169.489 +/- 0.000 χ^2/NDF : 95435894585210891032426613567490359296.0/14
 Left Out: 990.430 +/- 0.000 χ^2/NDF : 103090910531659754312882501653991784448.0/11
 Right Out: -110.289 +/- 0.000 χ^2/NDF : 71770784102052938523592716508479881216.0/15
 Left In: -1110.204 +/- 0.000 χ^2/NDF : 34078671675207101758695575343264169984.0/10
 All: -25.711 +/- 0.000 χ^2/NDF : 236745671746

dit_sam1_coil3_err_mean vs Slug, Sign Corrected



Right In: 74.129+/-0.000 χ^2/NDF : 2168375717401207322620658258081218560.0/14
 Left Out: 31.811+/-0.000 χ^2/NDF : 49714502708074355804513533446586368.0/11
 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: -2.132+/-0.000 χ^2/NDF : 1425602893344

dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

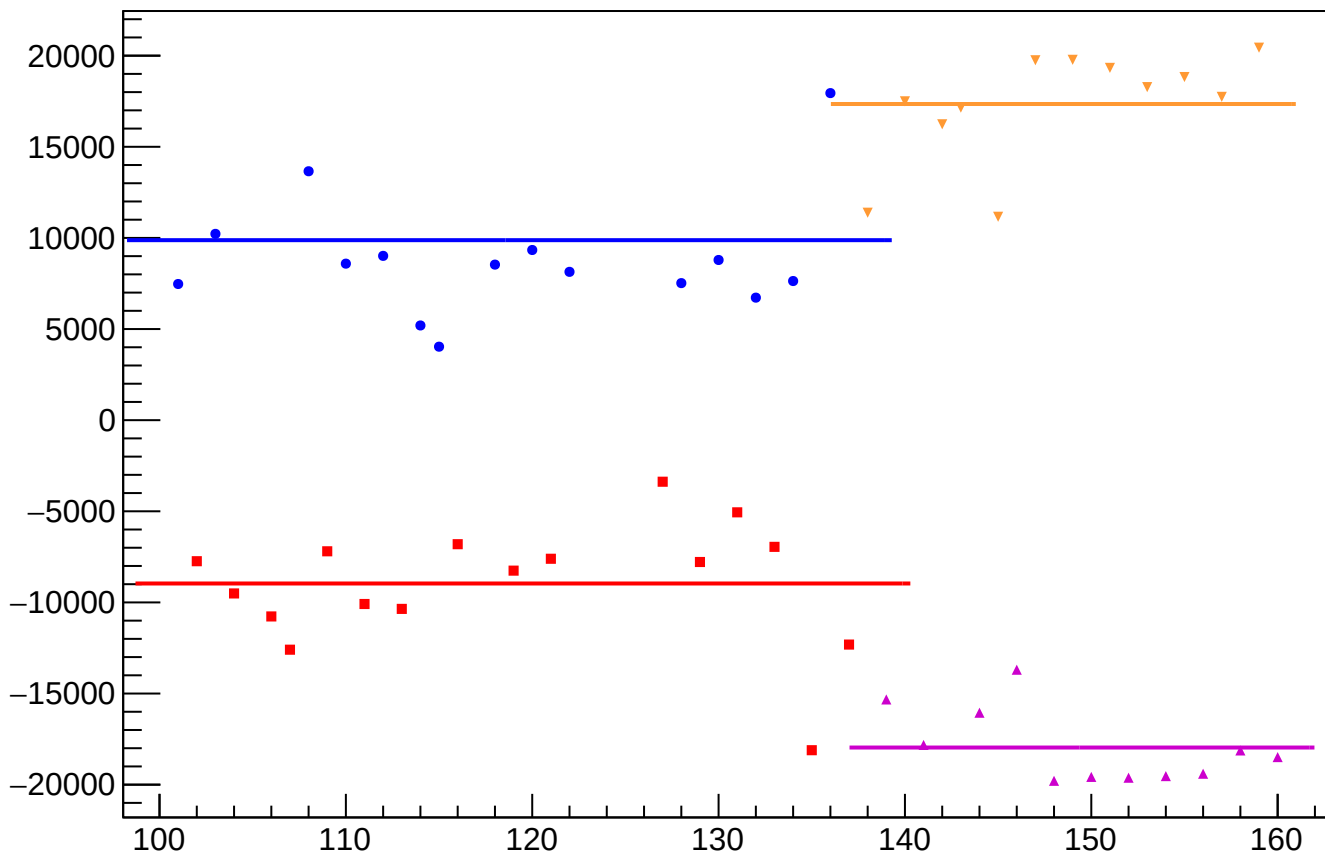
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

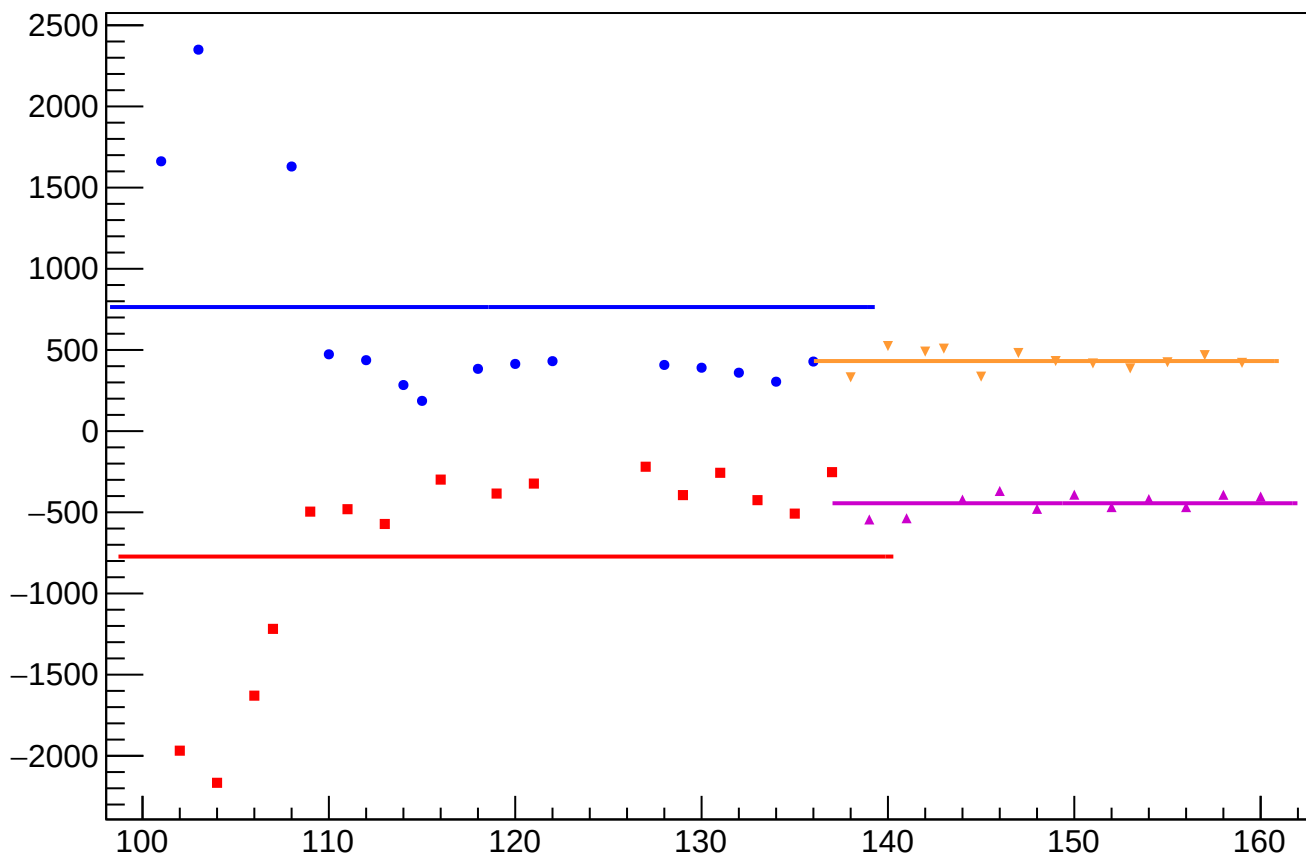
All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_sam2_coil3_mean vs Slug, Sign Corrected



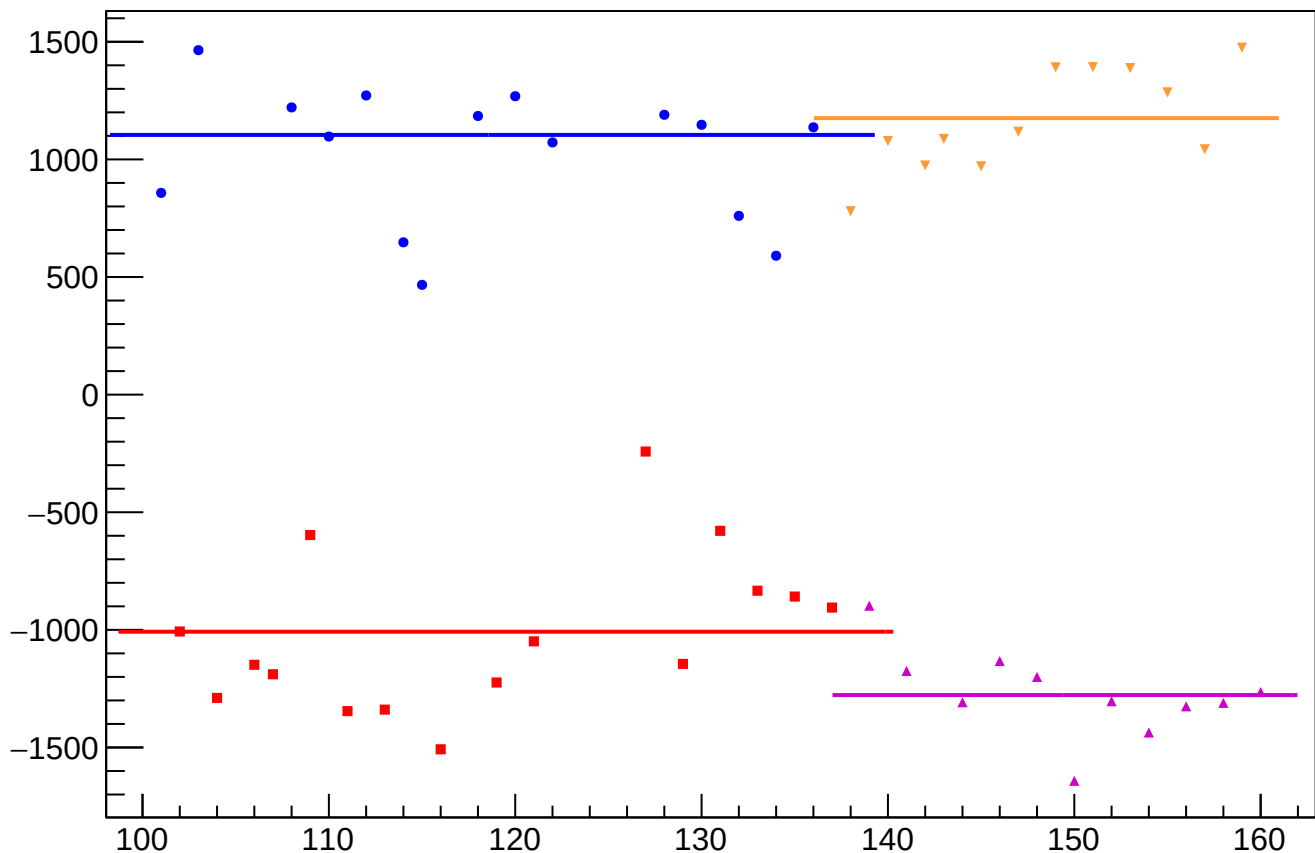
Right In: 9876.530+/-0.000	χ^2/NDF : 8483360287053054122301651905797133697024.0/14	Left: -374.341+/-0.000	χ^2/NDF : 585622568661920
Left Out: 17348.108+/-0.000	χ^2/NDF : 8207548108596149921739030122495561695232.0/11	Right: 328.637+/-0.000	χ^2/NDF : 132799081917308
Right Out: -8961.593+/-0.000	χ^2/NDF : 7583728644146461427304320888408335450112.0/15	In: -6476.484+/-0.000	χ^2/NDF : 307506960113677
Left In: -17962.529+/-0.000	χ^2/NDF : 3564698291142811133043344688261317525504.0/10	Out: 6269.465+/-0.000	χ^2/NDF : 283074559168666
		All: -81.304+/-0.000	χ^2/NDF : 718800894609

dit_sam2_coil3_err_mean vs Slug, Sign Corrected



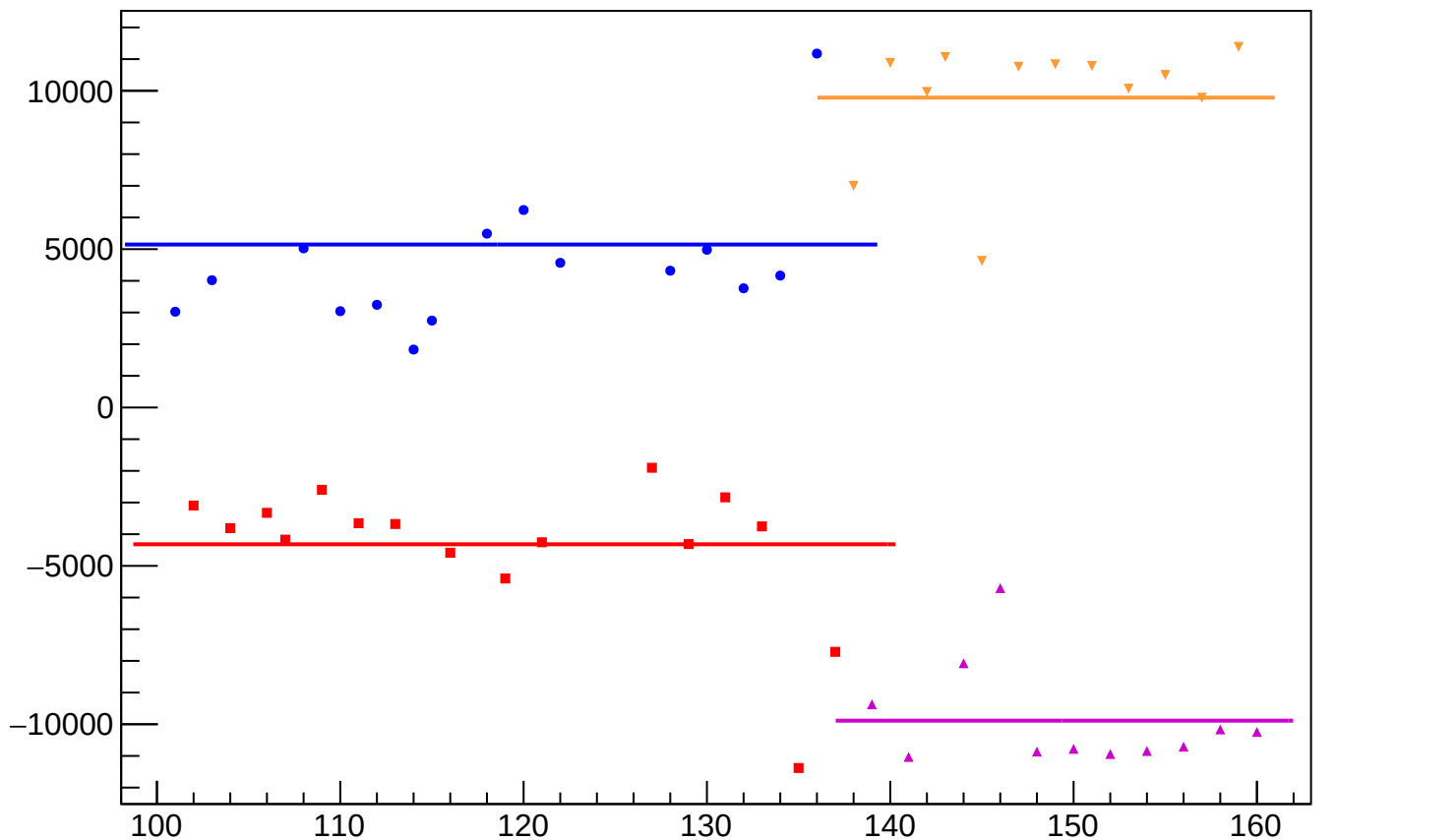
Right In: 764.284+/-0.000 χ^2/NDF : 290964758058269480005067205020030599168.0/14
 Left Out: 431.662+/-0.000 χ^2/NDF : 3280421514159451222222919804563488768.0/11
 Right Out: -772.547+/-0.000 χ^2/NDF : 285902138904642401278625587631891677184.0/15
 Left In: -444.245+/-0.000 χ^2/NDF : 2906625839452991270105053894151241728.0/10
 All: -10.743+/-0.000 χ^2/NDF : 171309640710

dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected



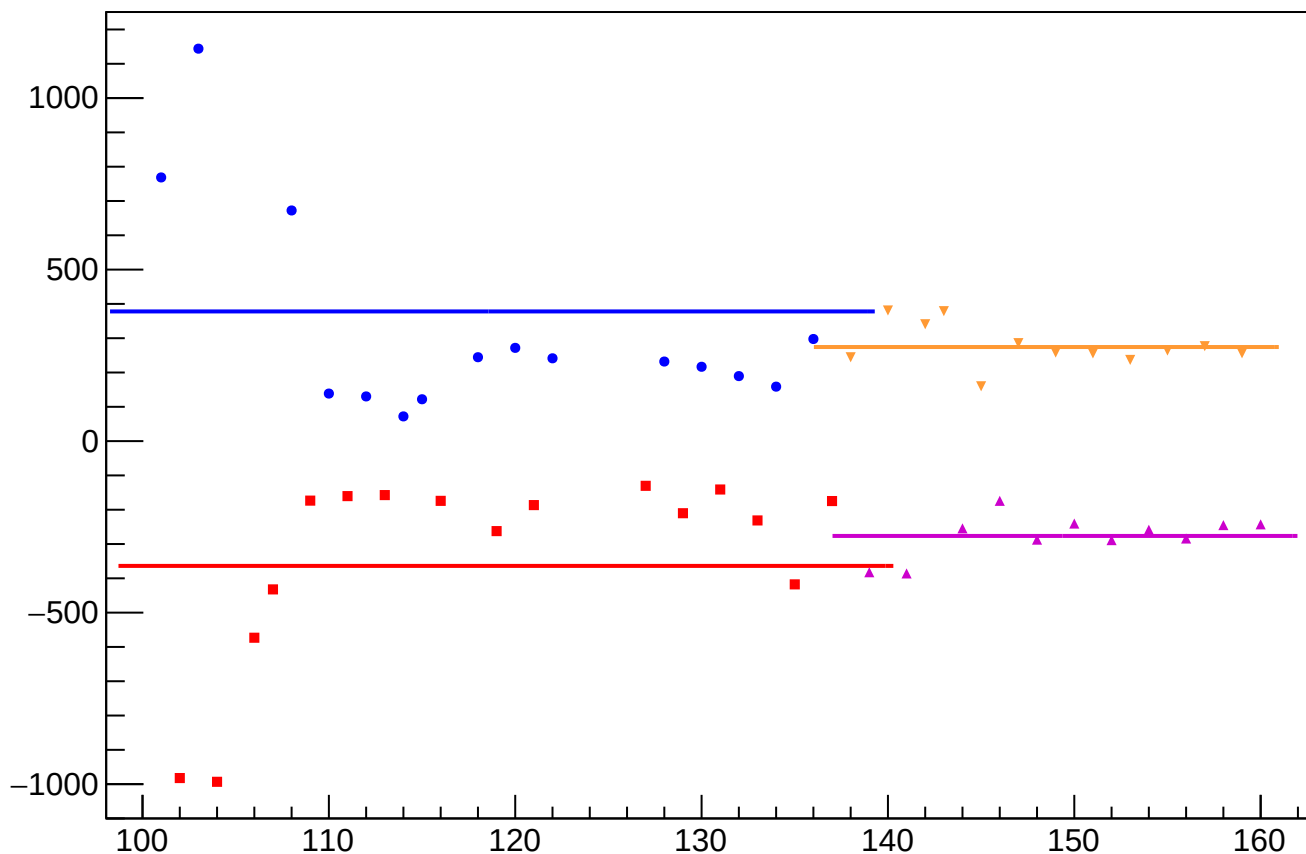
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478+/-0.000 χ^2/NDF : 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_sam3_coil3_mean vs Slug, Sign Corrected



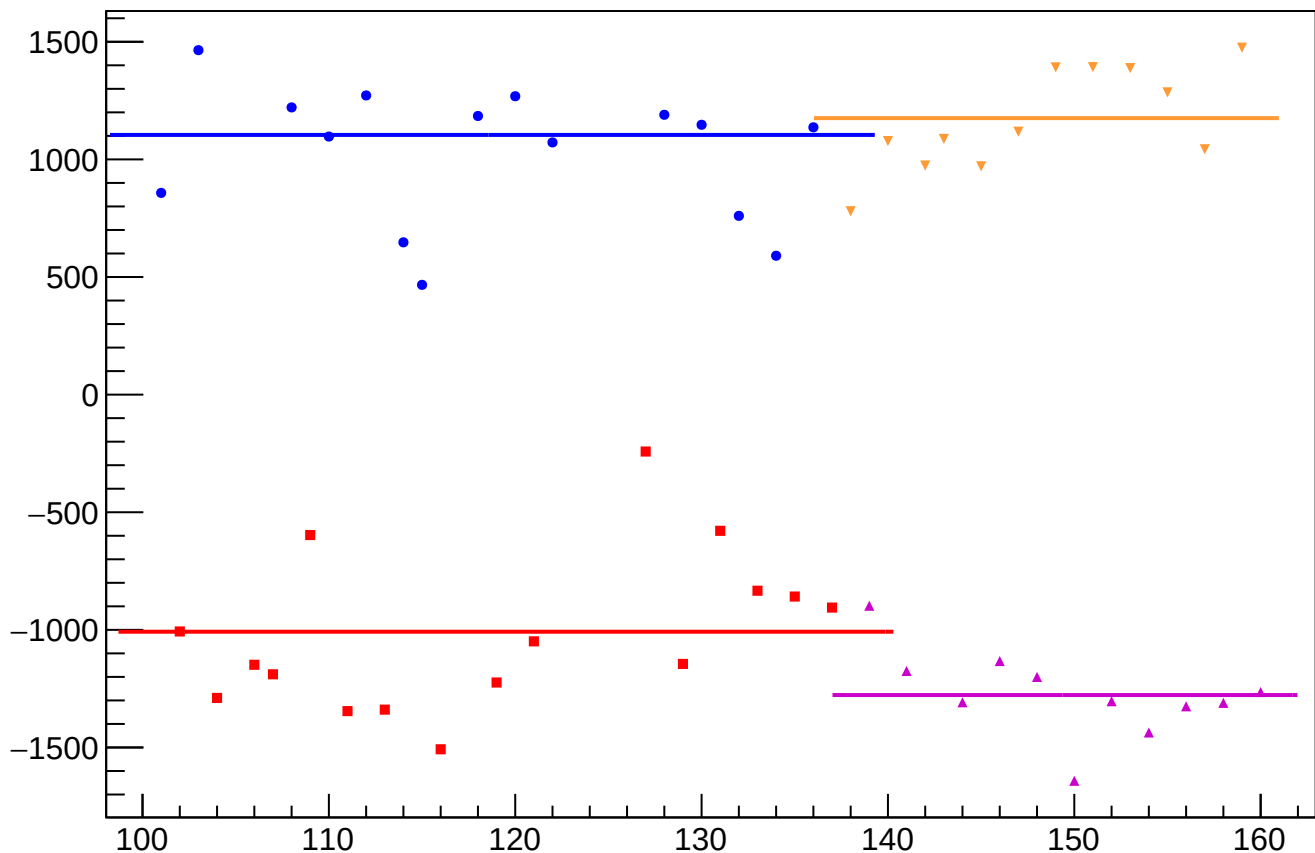
Right In: 5145.657 $\pm$ 0.000 χ^2 /NDF: 4272867262459372237810540195851662262272.0/14
 Left Out: 9783.623 $\pm$ 0.000 χ^2 /NDF: 3463460967659182435053933688350532698112.0/11
 Right Out: -4318.126 $\pm$ 0.000 χ^2 /NDF: 3345176554564755427312533888908526616576.0/15
 Left In: -9887.069 $\pm$ 0.000 χ^2 /NDF: 2278516780225824082632420288802127347712.0/10
 All: 93.529 $\pm$ 0.000 χ^2 /NDF: 2210529199103

dit_sam3_coil3_err_mean vs Slug, Sign Corrected



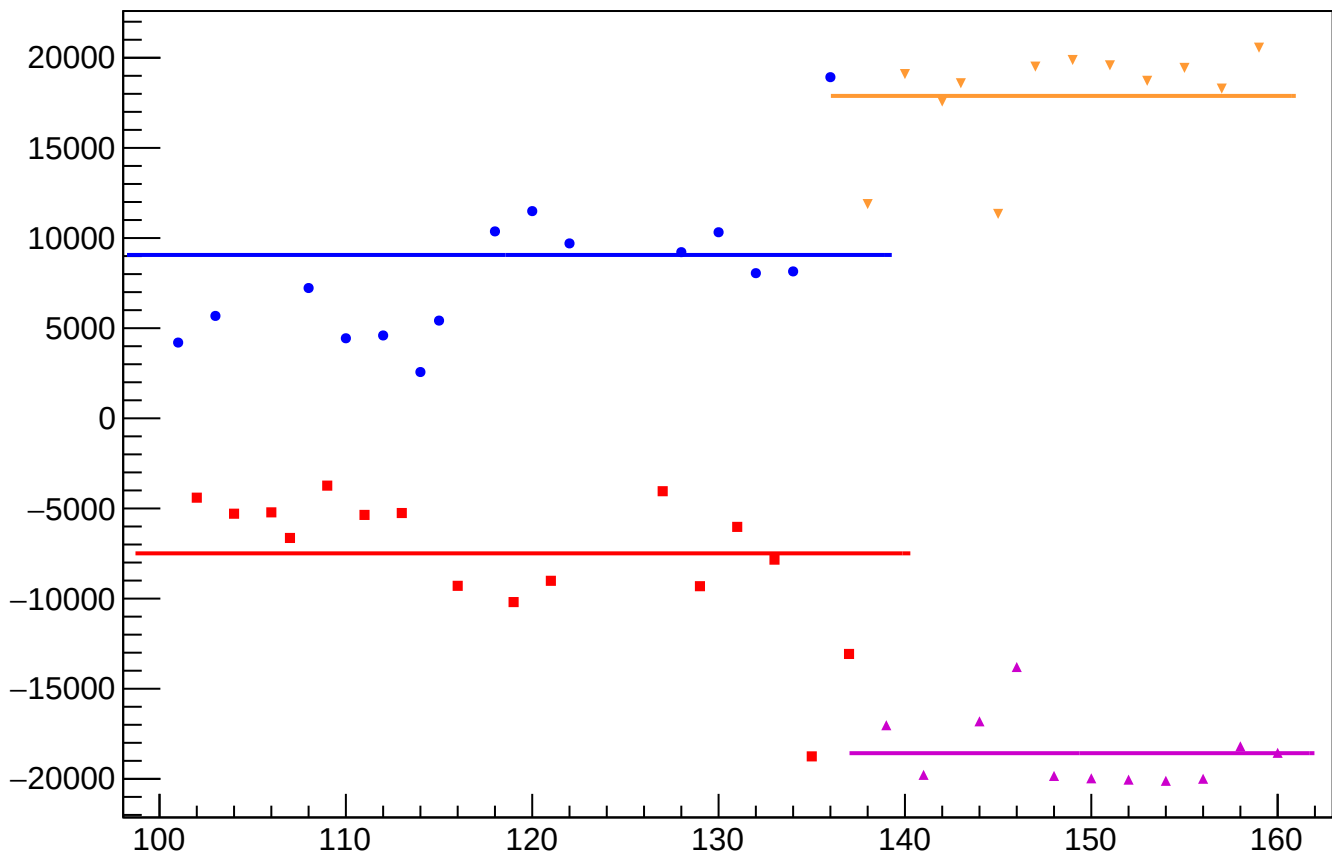
Left: -2.121 ± 0.000 $\chi^2/\text{NDF}: 14597084399430561$
 Right In: 378.052 ± 0.000 $\chi^2/\text{NDF}: 61516590022593053040860760861331947520.0/14$
 Left Out: 274.281 ± 0.000 $\chi^2/\text{NDF}: 3210866570321724501306846670770667520.0/11$
 Right Out: -363.772 ± 0.000 $\chi^2/\text{NDF}: 59031337484709801804181439342706688000.0/15$
 Left In: -276.429 ± 0.000 $\chi^2/\text{NDF}: 3176476969276554988209041450490396672.0/10$
 All: -0.376 ± 0.000 $\chi^2/\text{NDF}: 4475481806747$

dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected



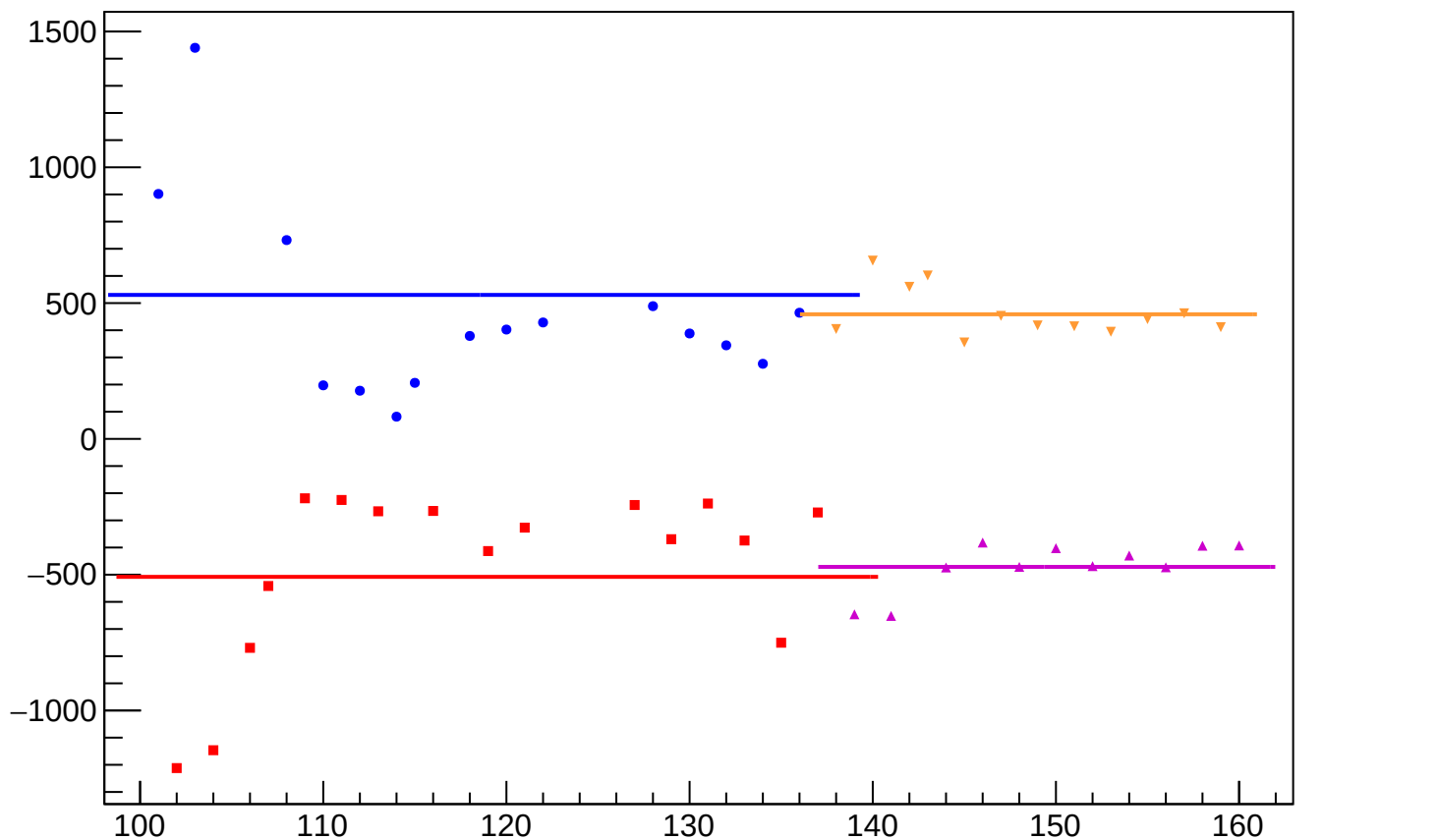
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_sam4_coil3_mean vs Slug, Sign Corrected



Right In: 9062.710 ± 0.000 $\chi^2/\text{NDF}: 13621066943114354594159252409175431446528.0/14$
 Left Out: 17884.828 ± 0.000 $\chi^2/\text{NDF}: 8035777278860305028144675580255817170944.0/11$
 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: 38.953 ± 0.000 $\chi^2/\text{NDF}: 7379784691052$

dit_sam4_coil3_err_mean vs Slug, Sign Corrected



Right In: 530.057+/-0.000

χ^2/NDF : 78754676063063255524046471751880671232.0/14

Left Out: 458.806+/-0.000

χ^2/NDF : 6995521594489868747173366228733394944.0/11

Right Out: -507.987+/-0.000

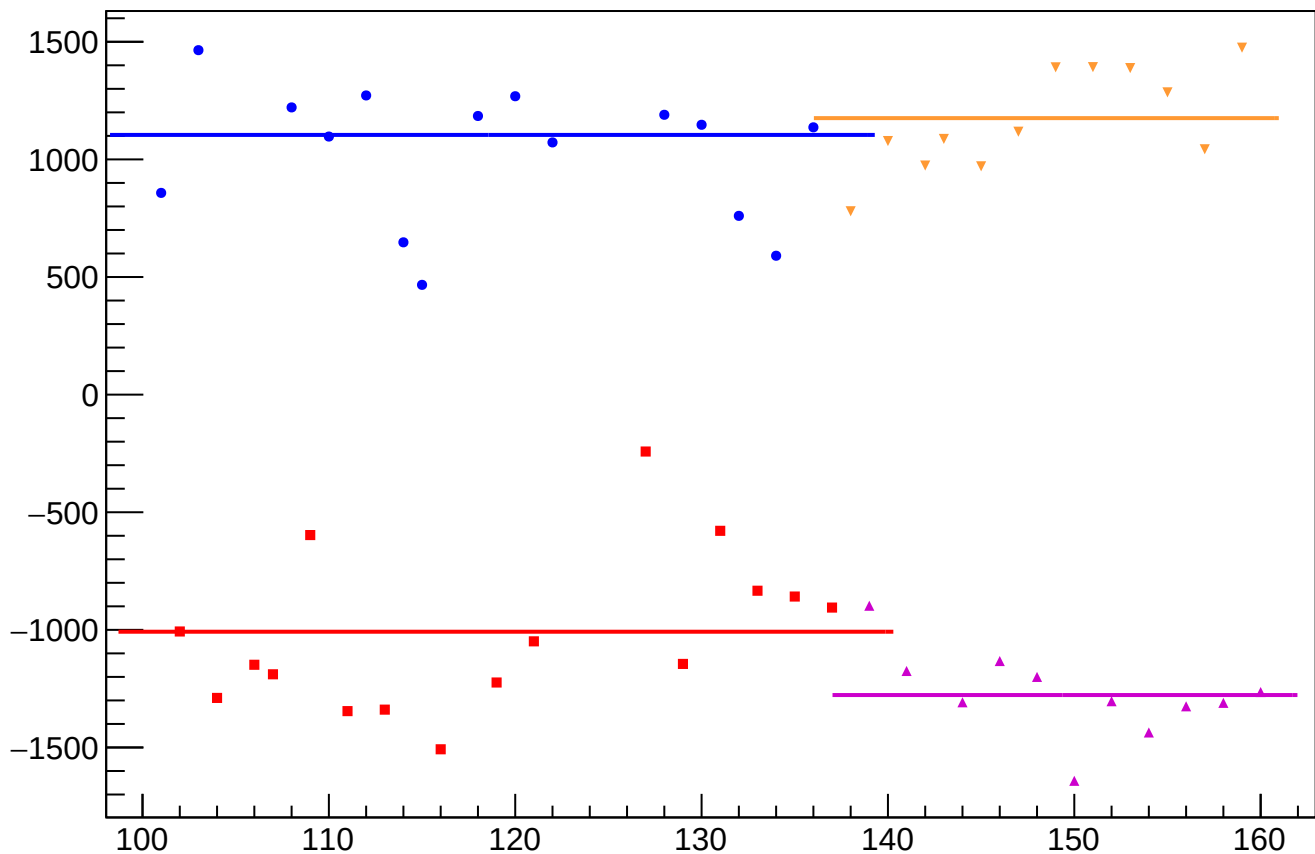
χ^2/NDF : 76689734698308464337881841969555046400.0/15

Left In: -471.219+/-0.000

χ^2/NDF : 7445973219160336257467772011051745280.0/10

All: -3.010+/-0.000 χ^2/NDF : 9225241672117

dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

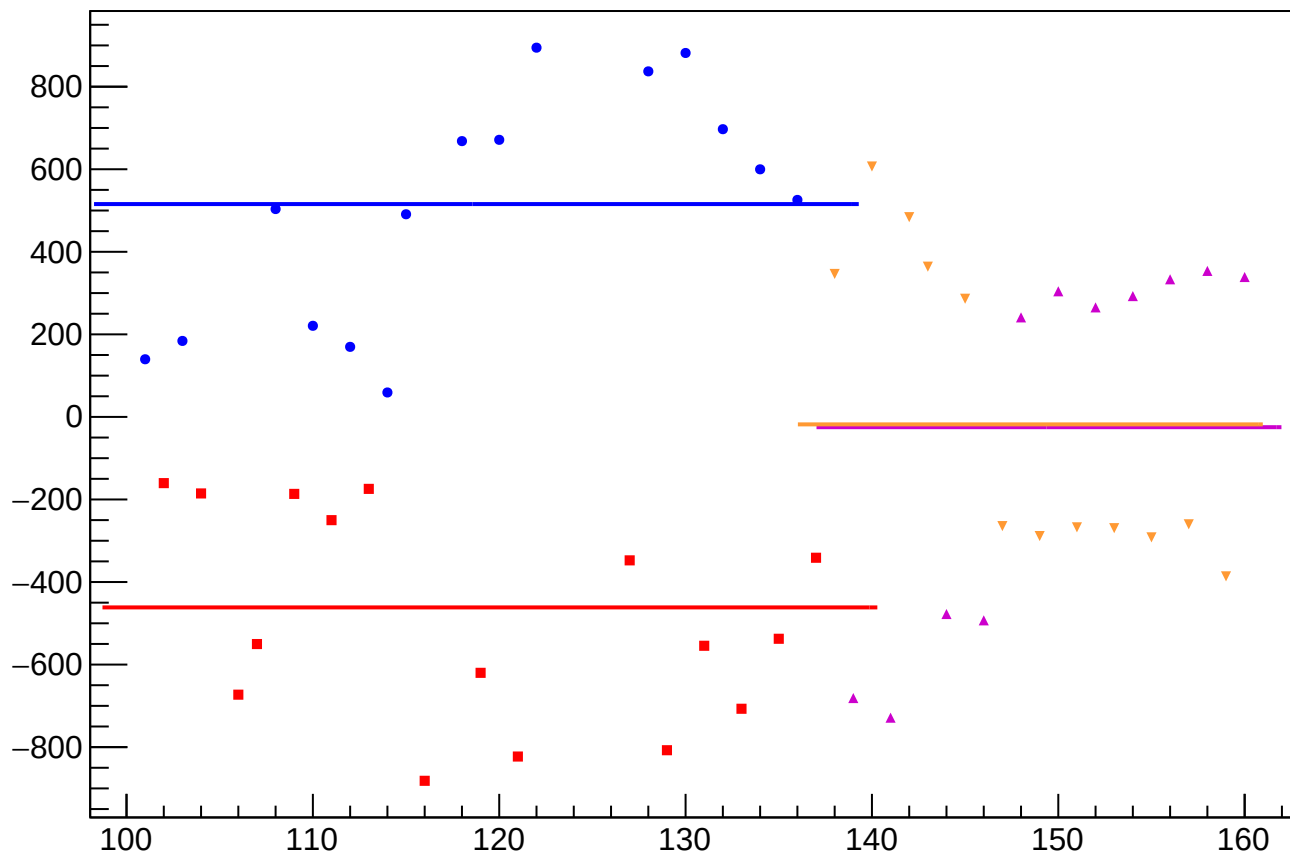
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

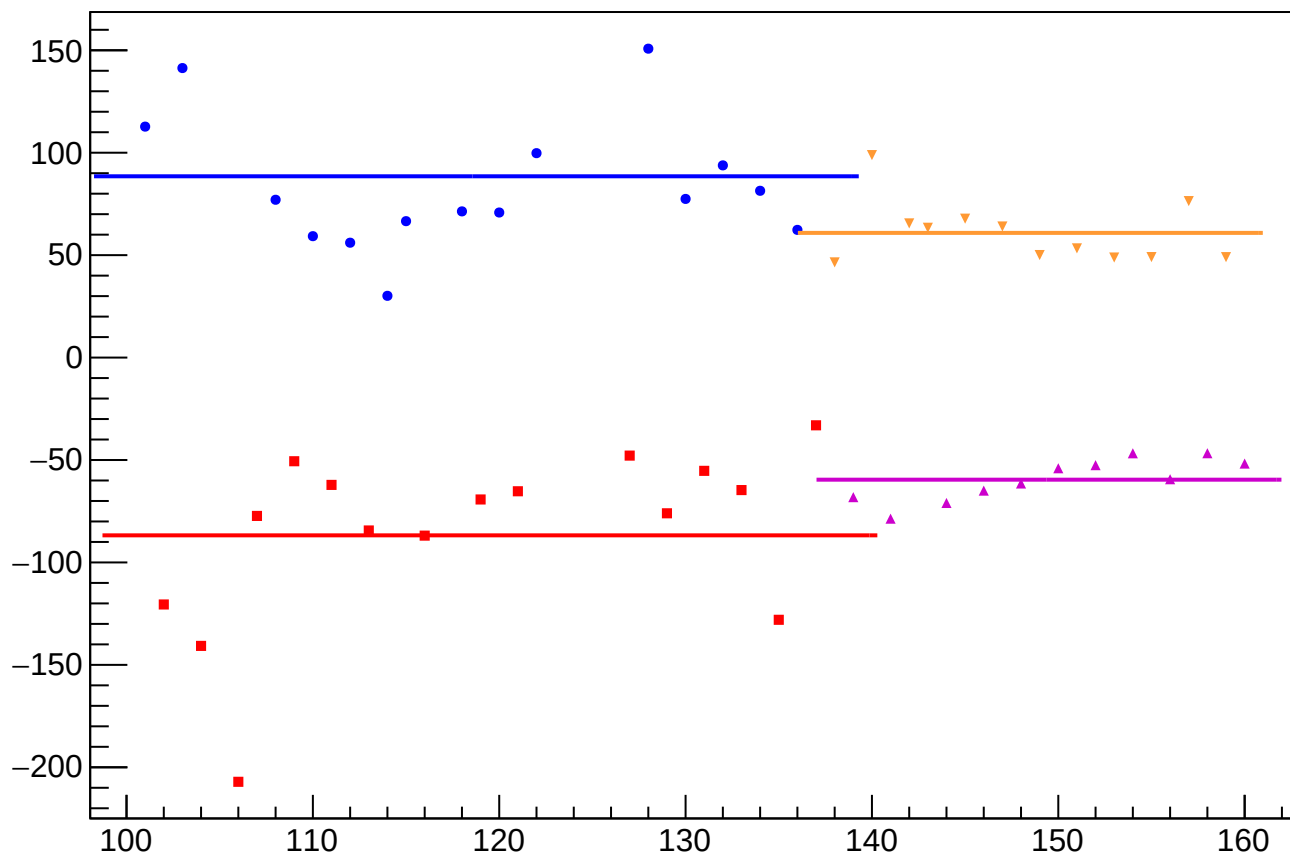
All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_sam5_coil3_mean vs Slug, Sign Corrected



Left: -21.505 ± 0.000 $\chi^2/\text{NDF}: 2909516961812704$
 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: -18.086 ± 0.000 $\chi^2/\text{NDF}: 113760261442063078265103594368341639168.0/11$
 In: 198.120 ± 0.000 $\chi^2/\text{NDF}: 33702193102447450$
 Right Out: -461.497 ± 0.000 $\chi^2/\text{NDF}: 40473746660091355928063306884368564224.0/15$
 Out: -204.800 ± 0.000 $\chi^2/\text{NDF}: 230153328143066$
 Left In: -24.898 ± 0.000 $\chi^2/\text{NDF}: 177170083146066340419686697250307702784.0/10$
 All: -4.042 ± 0.000 $\chi^2/\text{NDF}: 6953040639809$

dit_sam5_coil3_err_mean vs Slug, Sign Corrected



Right In: 88.493 +/- 0.000

χ^2/NDF : 643231155193035512625817963208900608.0/14

Left Out: 60.867 +/- 0.000

χ^2/NDF : 208334830420842687698000766503485440.0/11

Right Out: -86.773 +/- 0.000

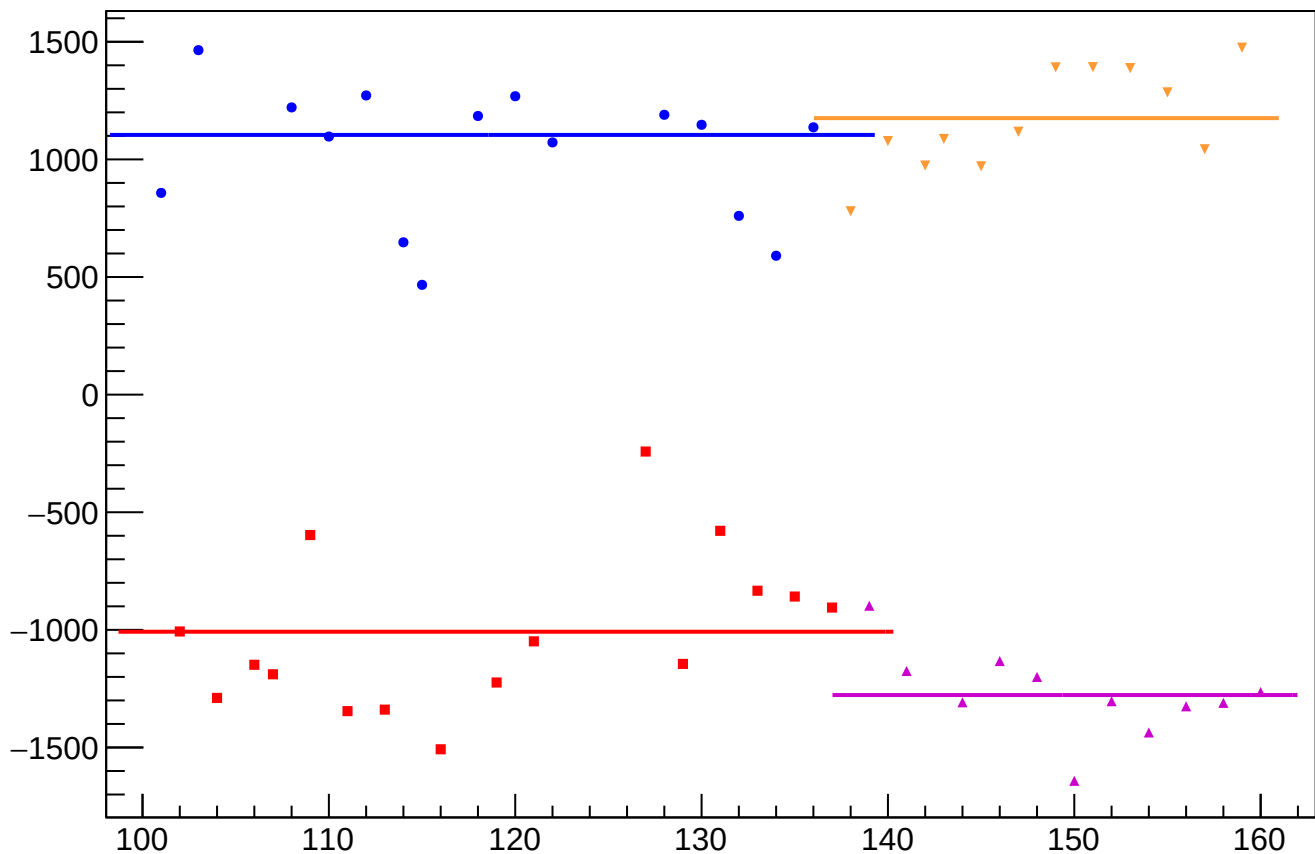
χ^2/NDF : 1059206766314086021240525003228708864.0/15

Left In: -59.604 +/- 0.000

χ^2/NDF : 90862625181985664375323463168032768.0/10

All: 0.093 +/- 0.000 χ^2/NDF : 18786182207074

dit_sam5_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478 $\pm$ 0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906 $\pm$ 0.000

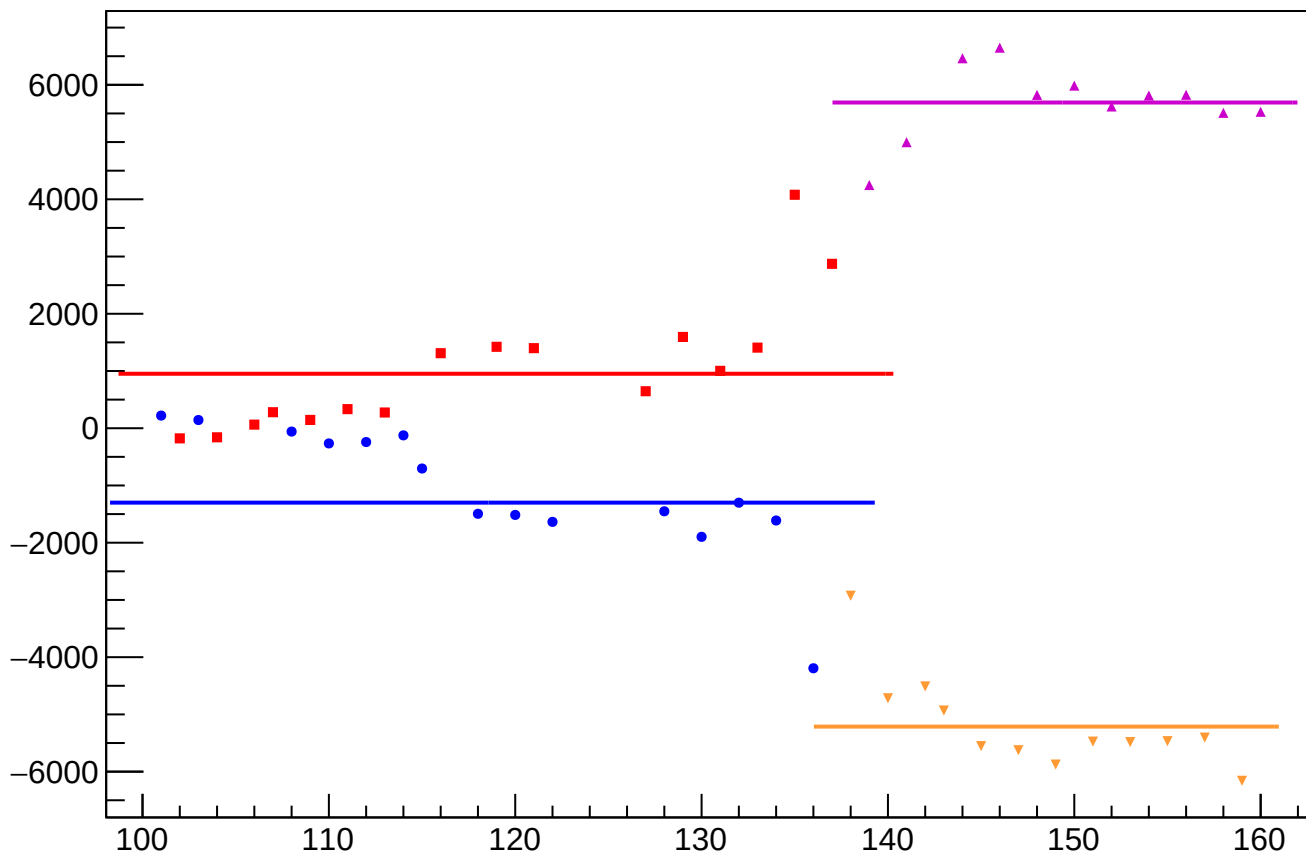
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097 $\pm$ 0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

All: -18.318 $\pm$ 0.000 χ^2/NDF : 441314646270

dit_sam6_coil3_mean vs Slug, Sign Corrected



Right In: -1299.904+/-0.000

Left Out: -5213.053+/-0.000

Right Out: 951.903+/-0.000

Left In: 5690.941+/-0.000

χ^2/NDF : 1199649252163216367086408691577524322304.0/14

χ^2/NDF : 607024723474712138909900039656470216704.0/11

χ^2/NDF : 841314696863657044174468284217089327104.0/15

χ^2/NDF : 35577462072294886968040460749891436544.0/10

Left: 259.674+/-0.000 χ^2/NDF : 5568438689423430

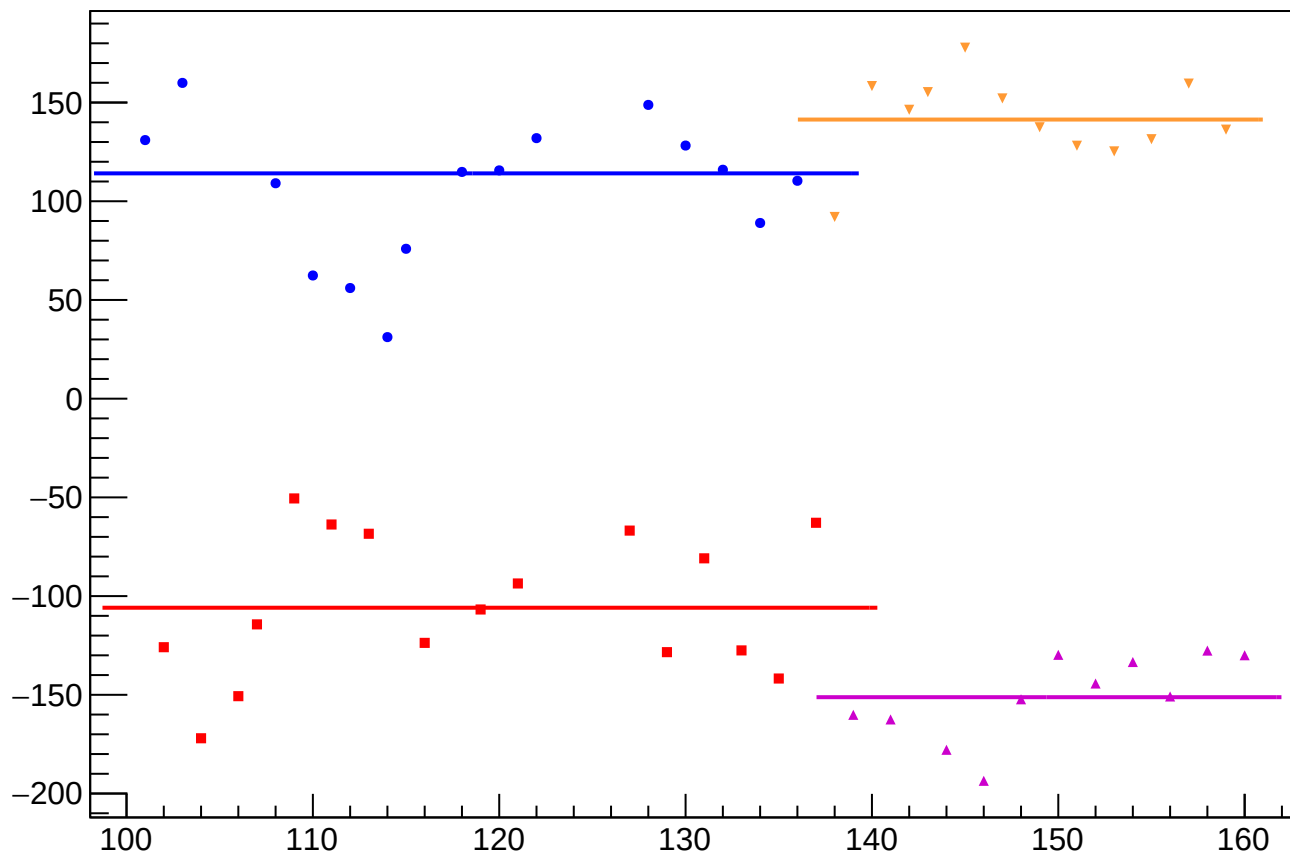
Right: -158.600+/-0.000 χ^2/NDF : 37088904648604

In: 2806.606+/-0.000 χ^2/NDF : 2018689735914814

Out: -2617.077+/-0.000 χ^2/NDF : 16124078025382

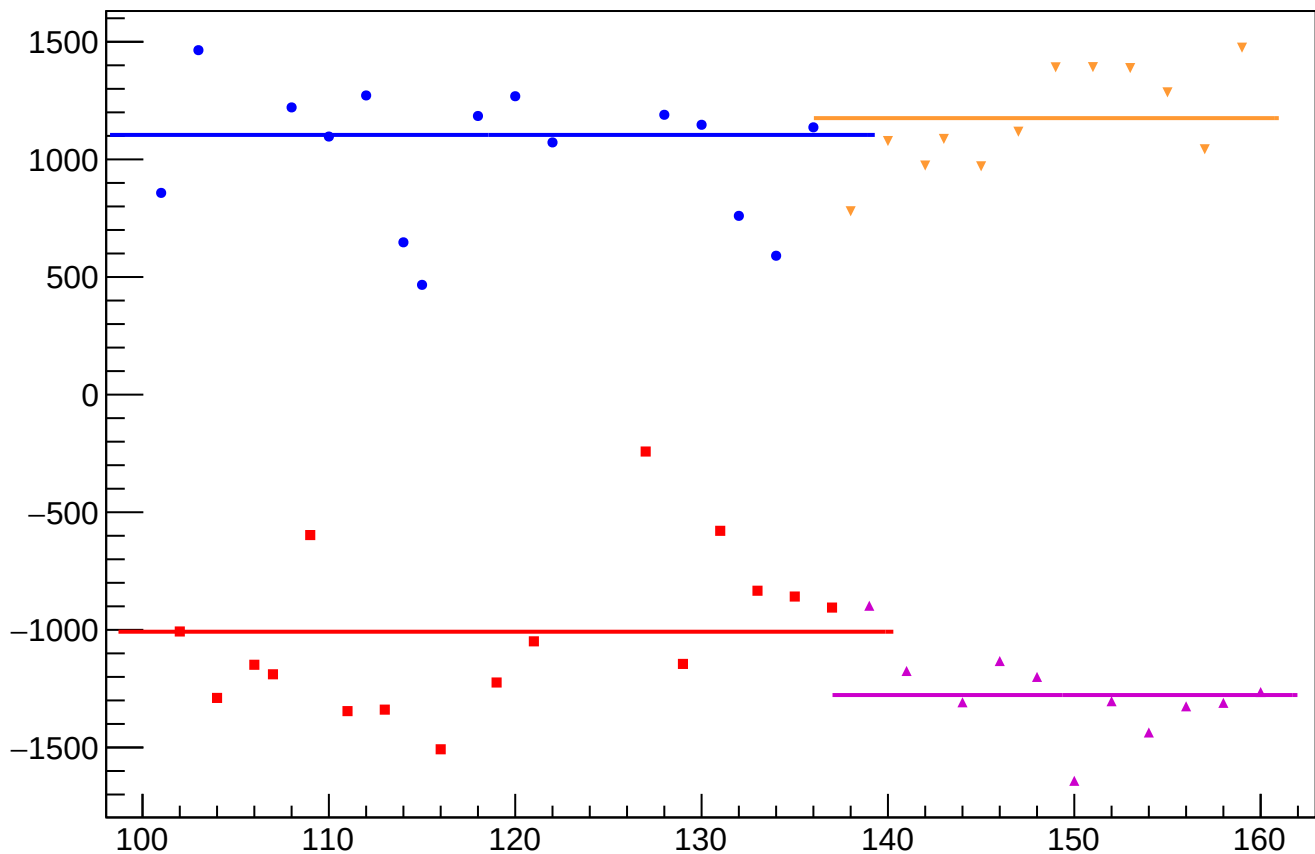
All: 85.316+/-0.000 χ^2/NDF : 5952754065640

dit_sam6_coil3_err_mean vs Slug, Sign Corrected



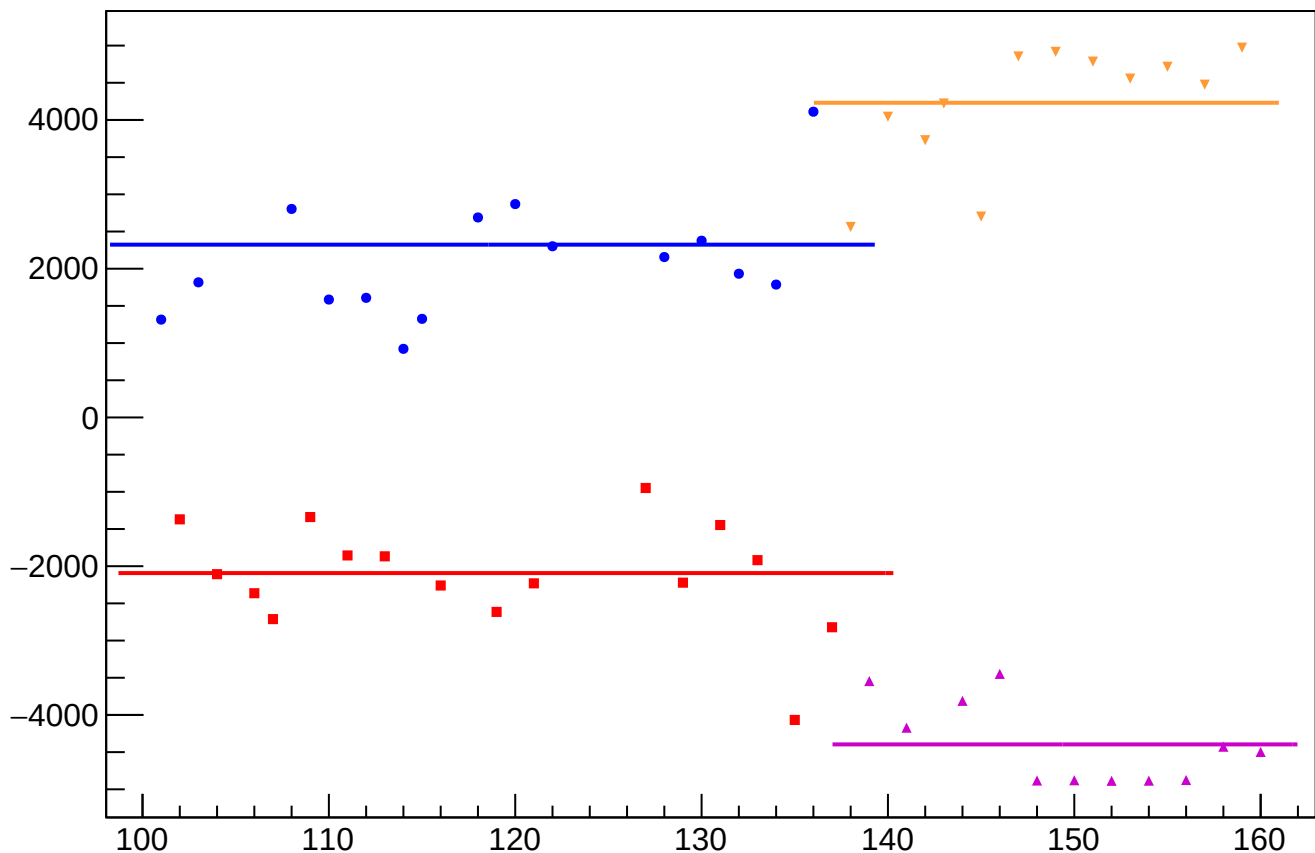
Right In: 114.118 $\pm$ 0.000 χ^2 /NDF: 607226770891525118881736460452495360.0/14
 Left Out: 141.380 $\pm$ 0.000 χ^2 /NDF: 416963026310292285514058989674954752.0/11
 Right Out: -105.890 $\pm$ 0.000 χ^2 /NDF: 851861355270591521058611007535972352.0/15
 Left In: -151.203 $\pm$ 0.000 χ^2 /NDF: 382227652604999337577431549784096768.0/10
 All: -2.101 $\pm$ 0.000 χ^2 /NDF: 5762903139484

dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected



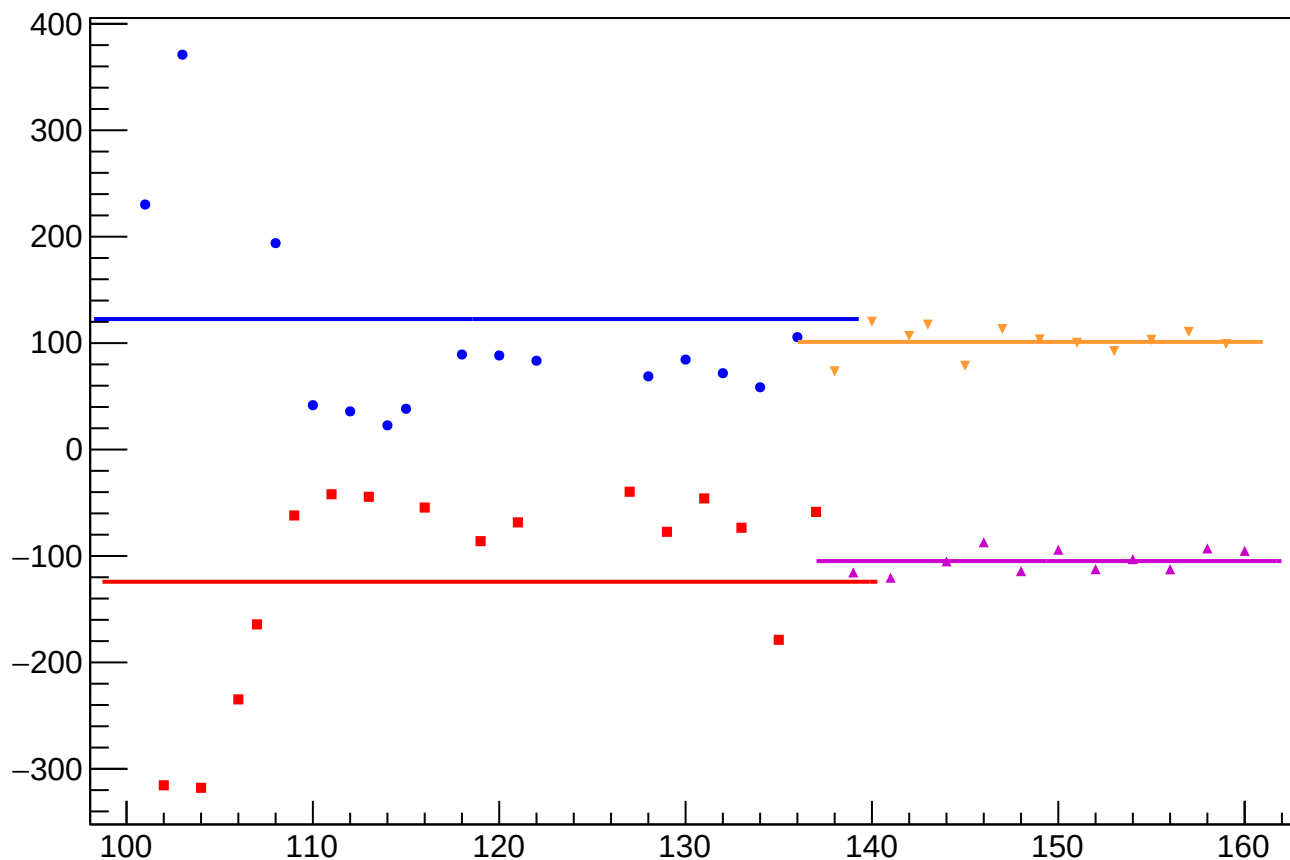
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478+/-0.000 χ^2/NDF : 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_sam7_coil3_mean vs Slug, Sign Corrected



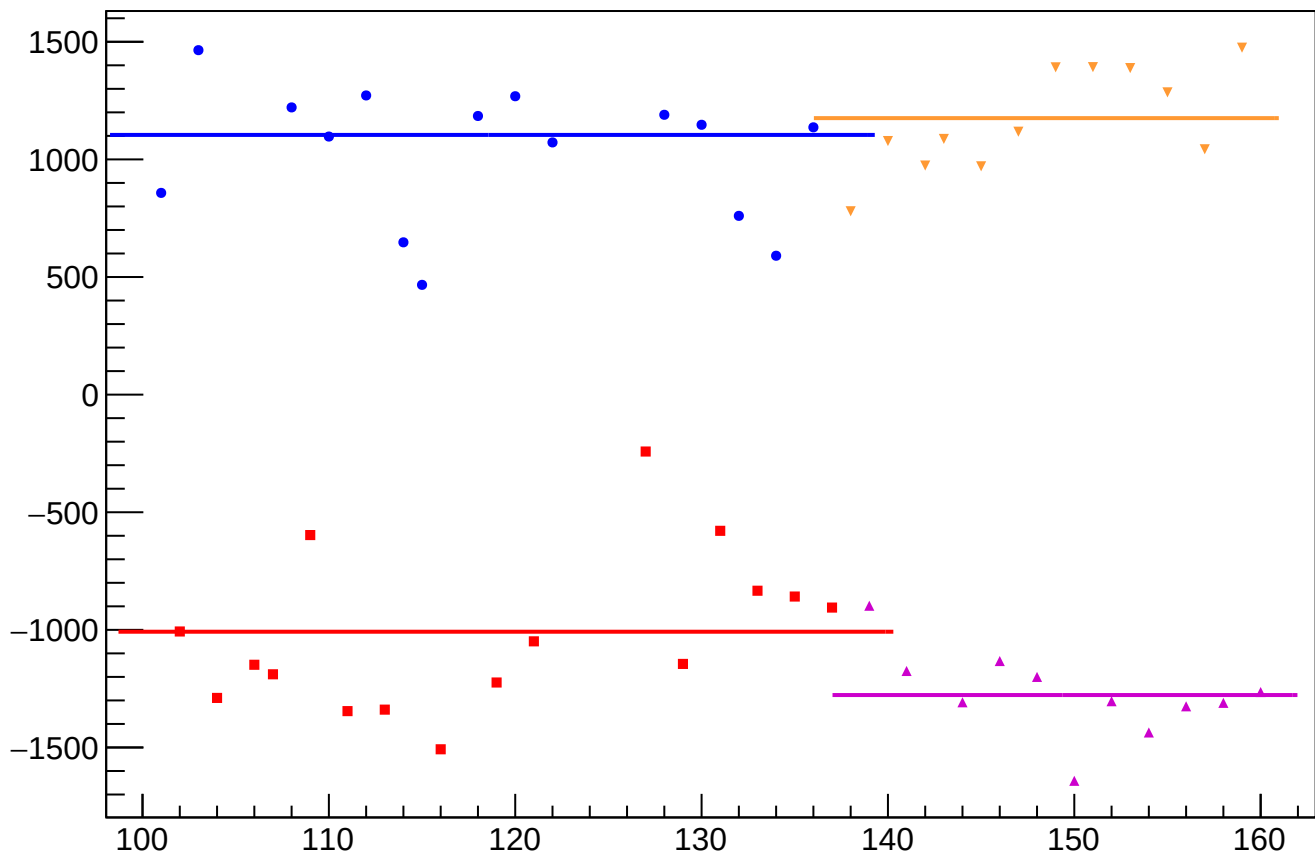
Right In: 2323.372+/-0.000 χ^2/NDF : 476371189888349375964725620757728591872.0/14
 Left Out: 4231.380+/-0.000 χ^2/NDF : 591264758783455505140129278309664030720.0/11
 Right Out: -2092.458+/-0.000 χ^2/NDF : 367126080872166122663684022473339174912.0/15
 Left In: -4396.069+/-0.000 χ^2/NDF : 270326441631367265143713722564756897792.0/10
 All: -22.044+/-0.000 χ^2/NDF : 424024658110

dit_sam7_coil3_err_mean vs Slug, Sign Corrected



Right In: 122.622+/-0.000 χ^2/NDF : 5937504661187691145903235842749497344.0/14
 Left Out: 101.138+/-0.000 χ^2/NDF : 175111456477451966804115550397005824.0/11
 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: -2.328+/-0.000 χ^2/NDF : 5232289579930

dit_sam7_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

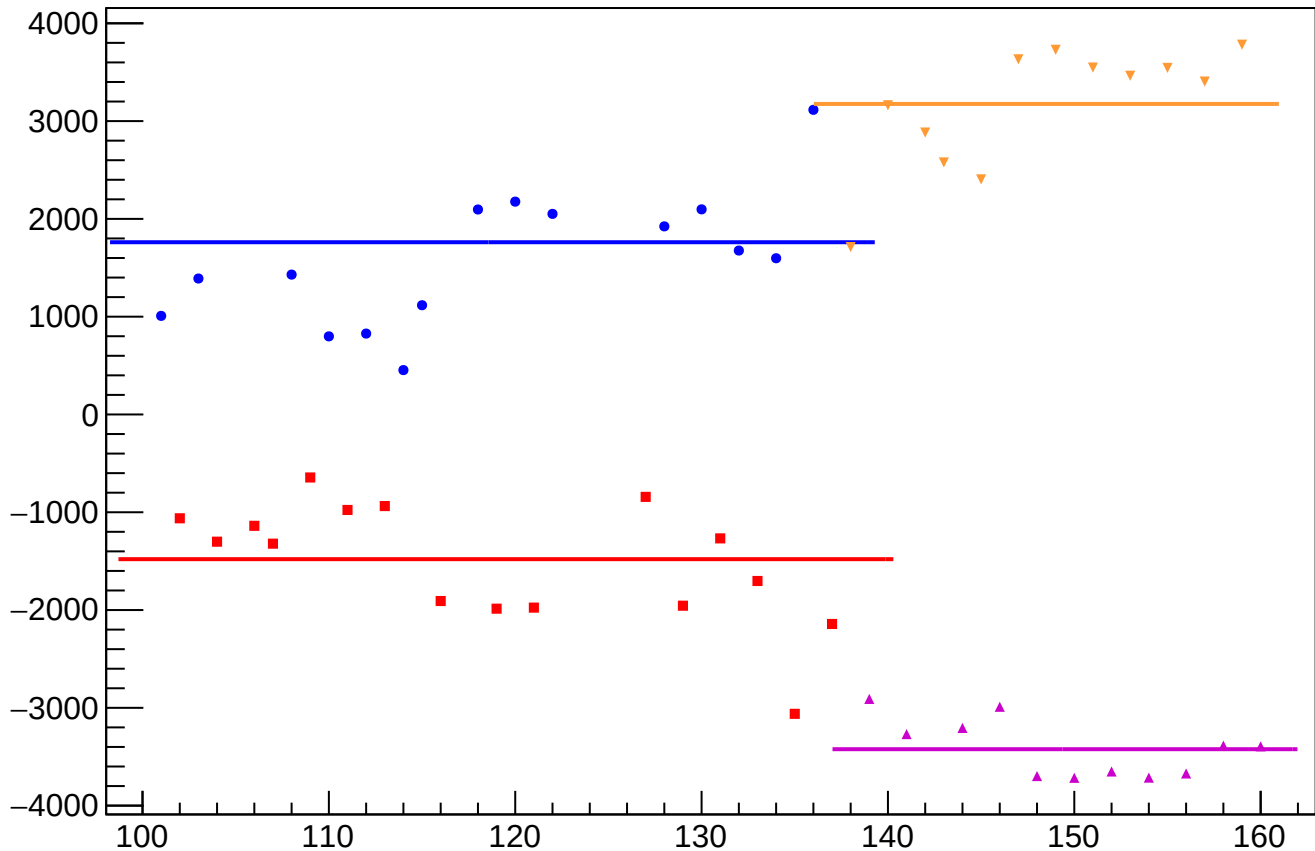
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

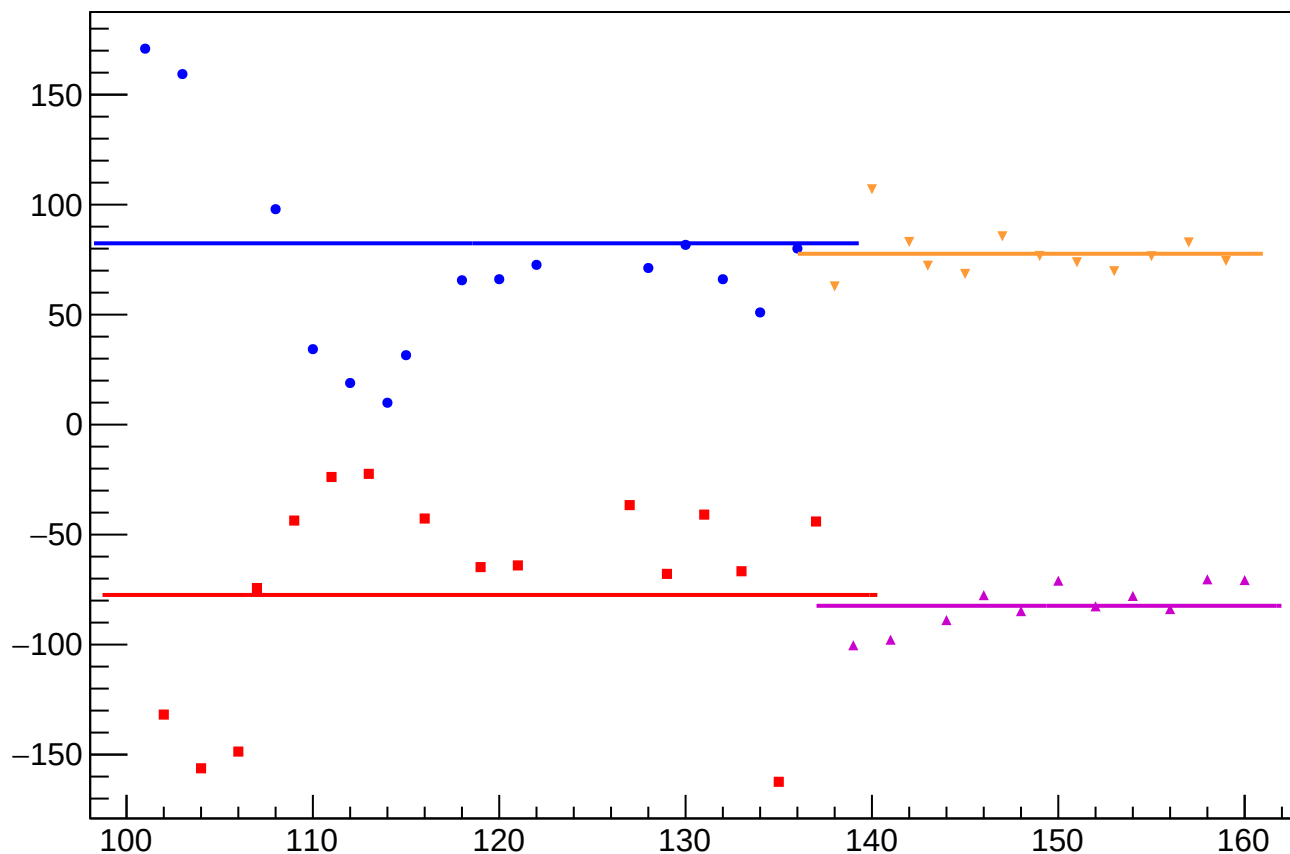
All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_sam8_coil3_mean vs Slug, Sign Corrected



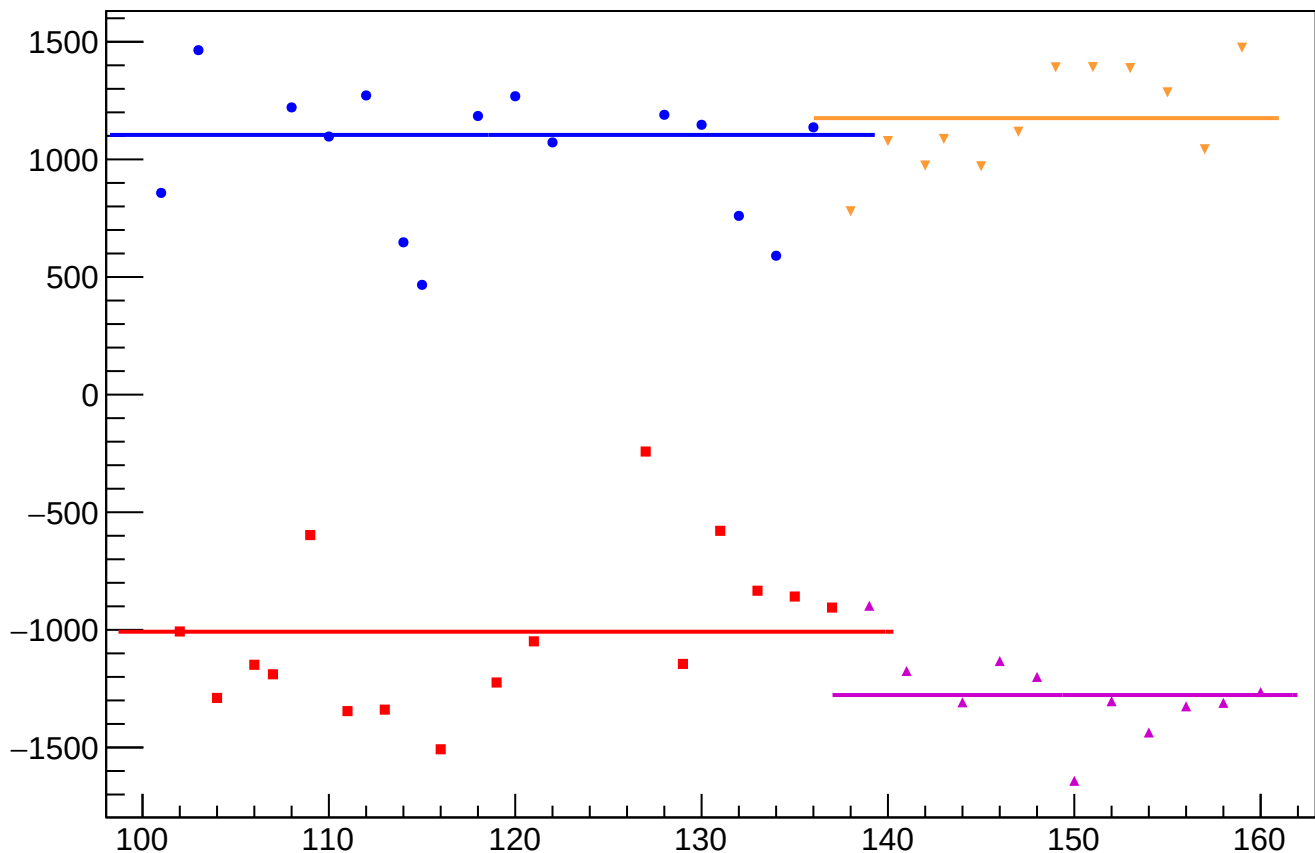
Right In: 1761.245 $\pm$ 0.000 χ^2 /NDF: 332206925976055306953064744993096204288.0/14
 Left Out: 3175.502 $\pm$ 0.000 χ^2 /NDF: 347291191980203589558827802227239813120.0/11
 Right Out: -1479.801 $\pm$ 0.000 χ^2 /NDF: 263467768134780968832551238609236131840.0/15
 Left In: -3423.018 $\pm$ 0.000 χ^2 /NDF: 7453703884208882463869581727568494592.0/10
 All: -30.064 $\pm$ 0.000 χ^2 /NDF: 245618505677

dit_sam8_coil3_err_mean vs Slug, Sign Corrected



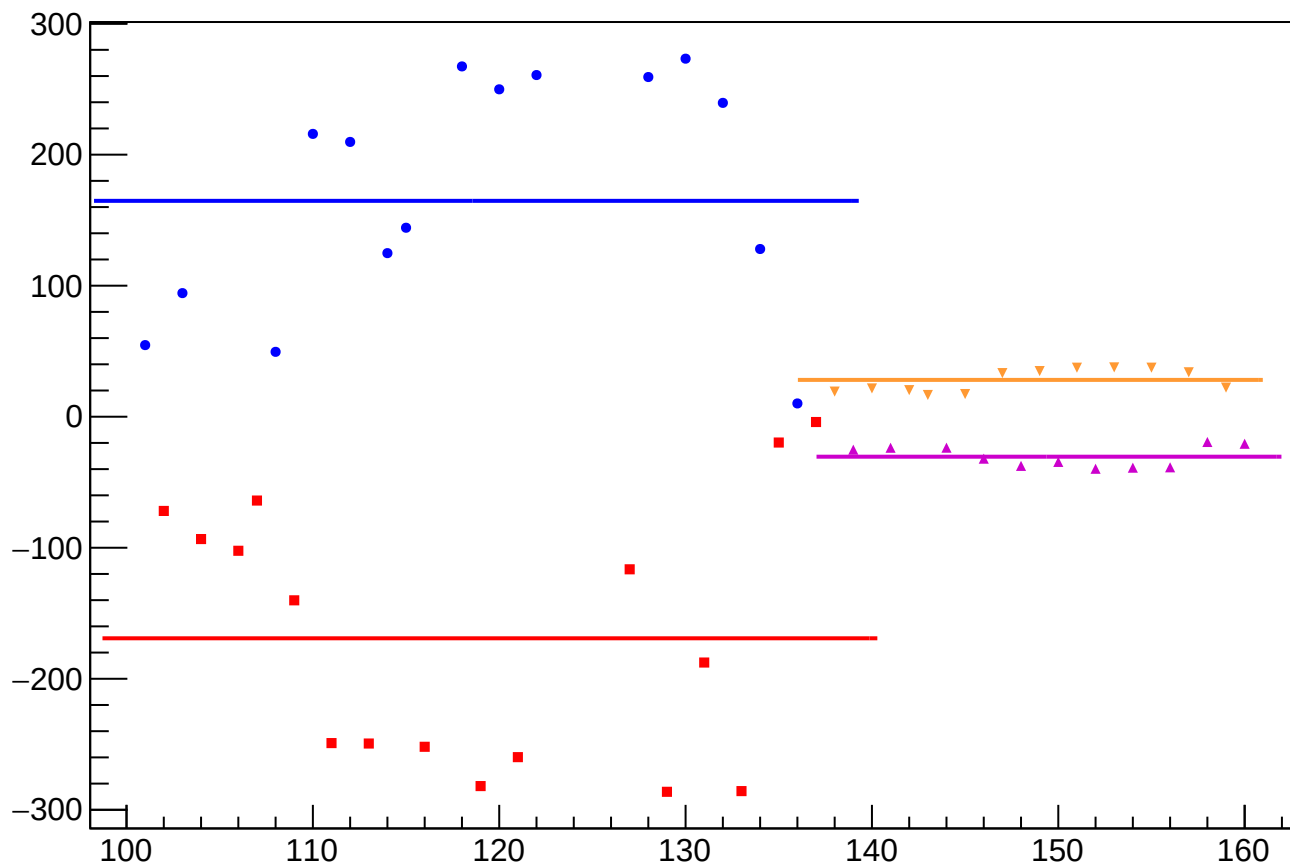
Right In: 82.422+/-0.000 χ^2/NDF : 1263633347129443757477527241185296384.0/14
 Left Out: 77.672+/-0.000 χ^2/NDF : 112359425970115396973191851205984256.0/11
 Right Out: -77.430+/-0.000 χ^2/NDF : 1515456409368458038568290276111024128.0/15
 Left In: -82.361+/-0.000 χ^2/NDF : 88160536769186096496846966890692608.0/10
 All: -0.960+/-0.000 χ^2/NDF : 2318460638265

dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected



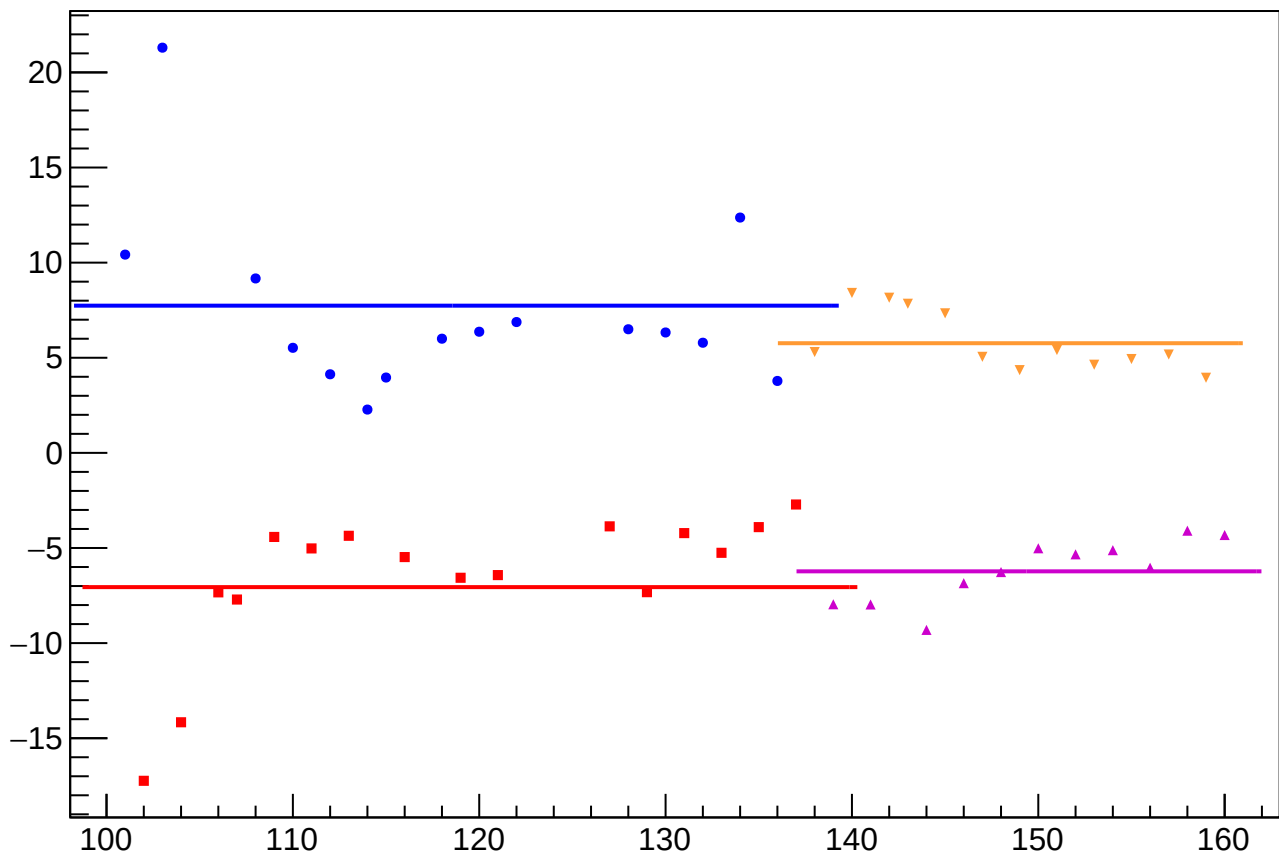
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478+/-0.000 χ^2/NDF : 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_4aX_coil7_mean vs Slug, Sign Corrected



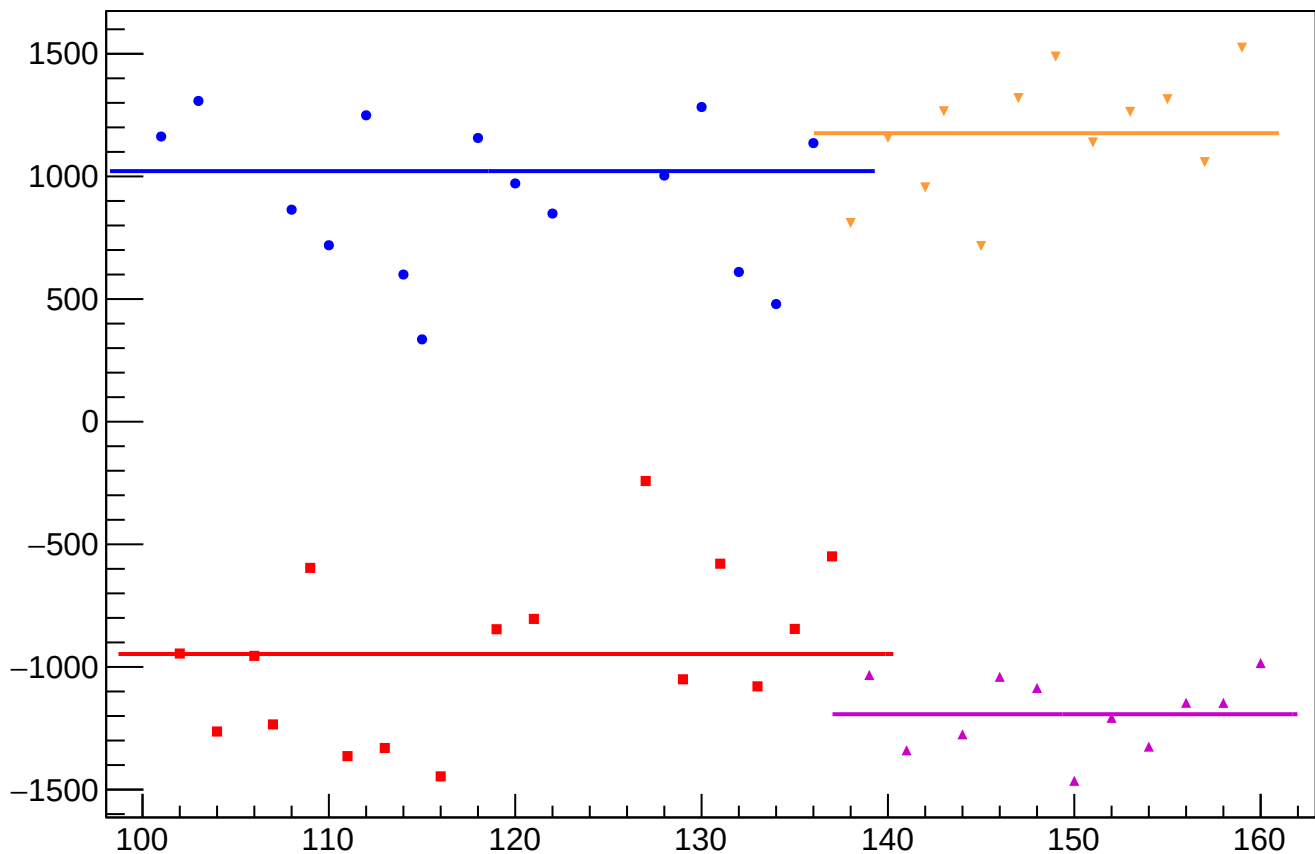
Left: -1.315 ± 0.000 $\chi^2/\text{NDF}: 16969654131032672$
 Right In: 164.752 ± 0.000 $\chi^2/\text{NDF}: 6369828943181833917425699916554960896.0/14$
 Left Out: 28.100 ± 0.000 $\chi^2/\text{NDF}: 63517357309911090447070669792346112.0/11$
 Right Out: -169.108 ± 0.000 $\chi^2/\text{NDF}: 6040721802042936822766910687819071488.0/15$
 In: 50.054 ± 0.000 $\chi^2/\text{NDF}: 209572439496556085$
 Out: -54.941 ± 0.000 $\chi^2/\text{NDF}: 2112137881381696$
 Left In: -30.507 ± 0.000 $\chi^2/\text{NDF}: 52600700148274049801586699671699456.0/10$
 All: -2.626 ± 0.000 $\chi^2/\text{NDF}: 5077924344541$

dit_4aX_coil7_err_mean vs Slug, Sign Corrected



Right In: 7.738+/-0.000 χ^2/NDF : 15127215479234506007469492768079872.0/14
 Left Out: 5.764+/-0.000 χ^2/NDF : 2014473932574383690261327211659264.0/11
 Right Out: -7.057+/-0.000 χ^2/NDF : 11292441204139394792341242753581056.0/15
 Left In: -6.228+/-0.000 χ^2/NDF : 2331911751655733809355489024147456.0/10
 All: -0.049+/-0.000 χ^2/NDF : 1691437180051

dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242+/-0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145+/-0.000

χ^2/NDF : 67784656011936521511169668028018196480.0/15

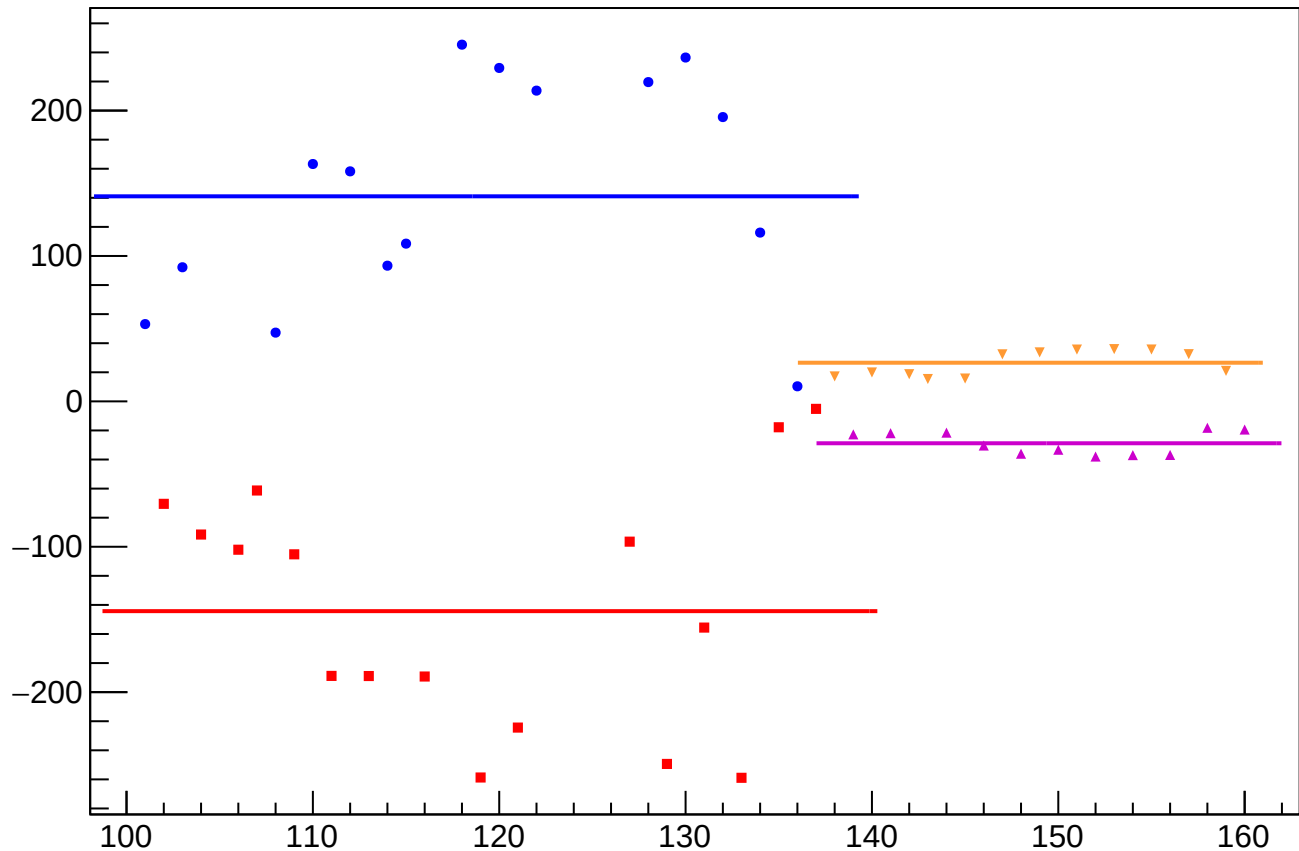
Left In: -1192.687+/-0.000

χ^2/NDF : 1925528738372820562654022867381911552.0/10

All: 2.502+/-0.000

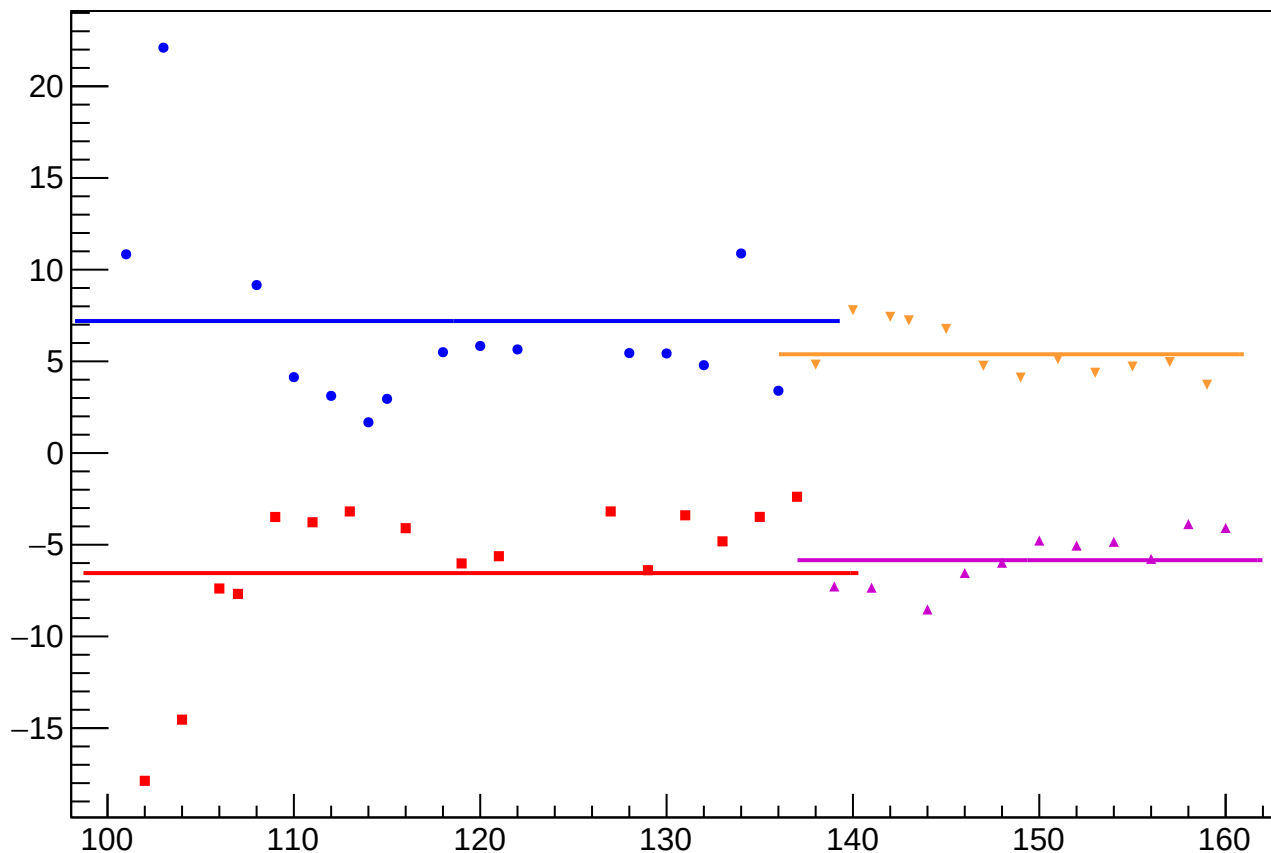
χ^2/NDF : 40397791098983

dit_4eX_coil7_mean vs Slug, Sign Corrected



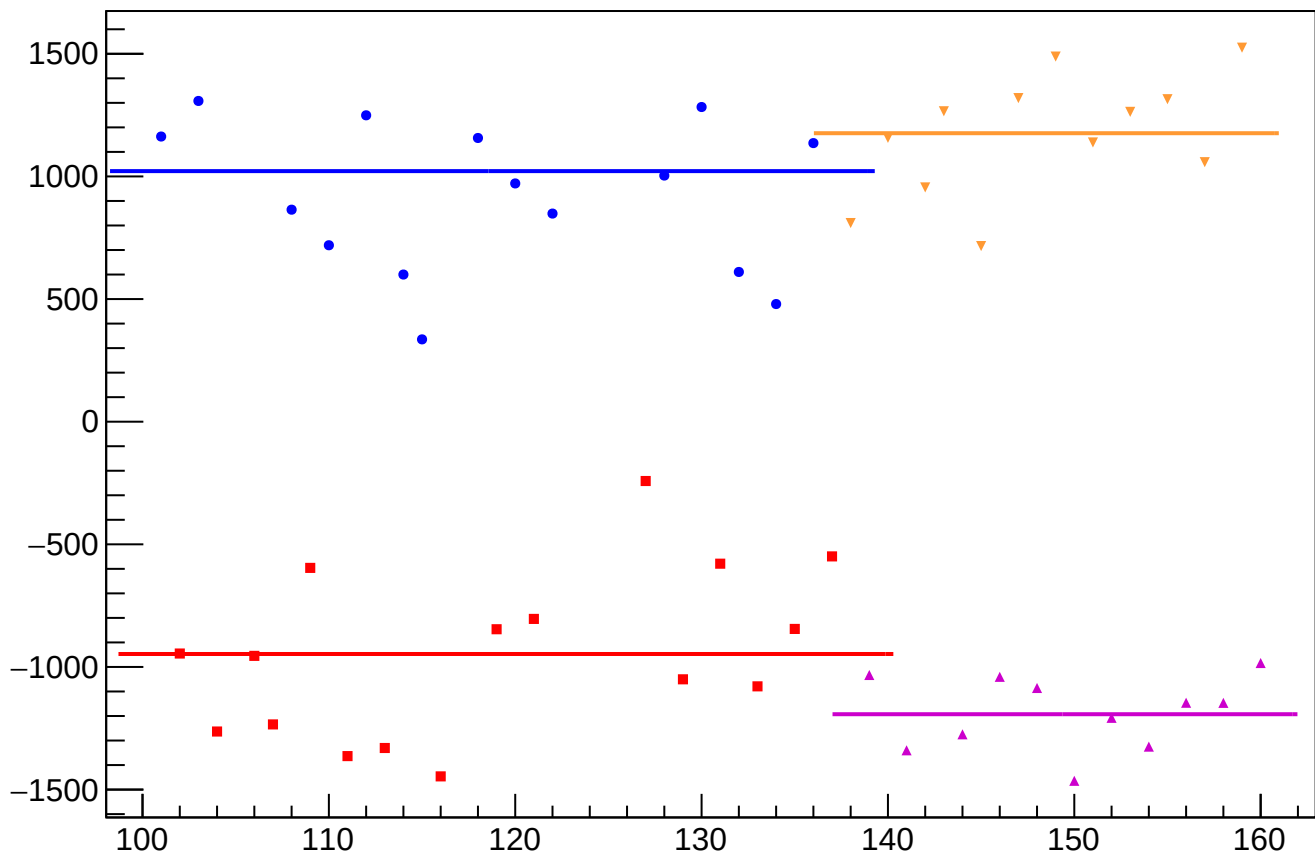
Left: -1.223 ± 0.000 $\chi^2/\text{NDF}: 15286596958341746$
 Right In: 141.032 ± 0.000 $\chi^2/\text{NDF}: 4507992585512923332587415612245934080.0/14$
 Left Out: 26.582 ± 0.000 $\chi^2/\text{NDF}: 63880546932393658050614652141830144.0/11$
 Right Out: -144.283 ± 0.000 $\chi^2/\text{NDF}: 4268333571517740886065361663928827904.0/15$
 Left In: -28.817 ± 0.000 $\chi^2/\text{NDF}: 52309797532132393990553277307027456.0/10$
 All: -2.204 ± 0.000 $\chi^2/\text{NDF}: 3708629931644$

dit_4eX_coil7_err_mean vs Slug, Sign Corrected



Left: -0.250 ± 0.000 χ^2/NDF : 61475661357383771
 Right In: 7.198 ± 0.000 χ^2/NDF : 18212640728502785337831966963138560.0/14
 Right: 0.232 ± 0.000 χ^2/NDF : 94430884745367791
 Left Out: 5.387 ± 0.000 χ^2/NDF : 1602138249882478814835943843823616.0/11
 In: -0.463 ± 0.000 χ^2/NDF : 848816588920174735
 Right Out: -6.547 ± 0.000 χ^2/NDF : 14078912505116068936230809834094592.0/15
 Out: 0.362 ± 0.000 χ^2/NDF : 706663697105206630
 Left In: -5.843 ± 0.000 χ^2/NDF : 1832786837102707862400537806766080.0/10
 All: -0.049 ± 0.000 χ^2/NDF : 1560843650902

dit_4eX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

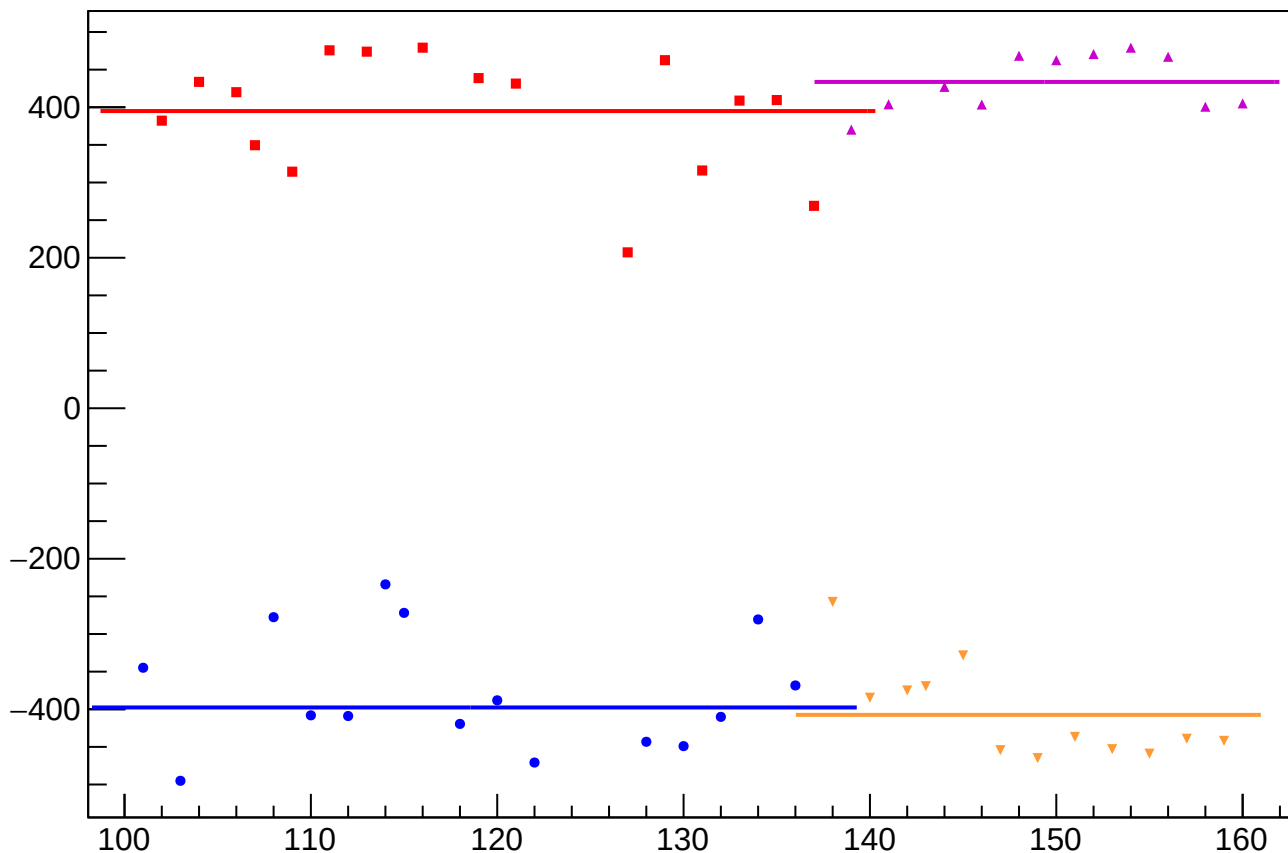
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_11X12X_coil7_mean vs Slug, Sign Corrected



Right In: -397.613+/-0.000

Left Out: -407.457+/-0.000

Right Out: 394.973+/-0.000

Left In: 433.664+/-0.000

χ^2/NDF : 2661280785384633207096106229474263040.0/14

χ^2/NDF : 3530254490804072685015705910637494272.0/11

χ^2/NDF : 3685595513427183501596165280874102784.0/15

χ^2/NDF : 1198237421385461104687495484599697408.0/10

Left: 14.703+/-0.000 χ^2/NDF : 33034351066378243

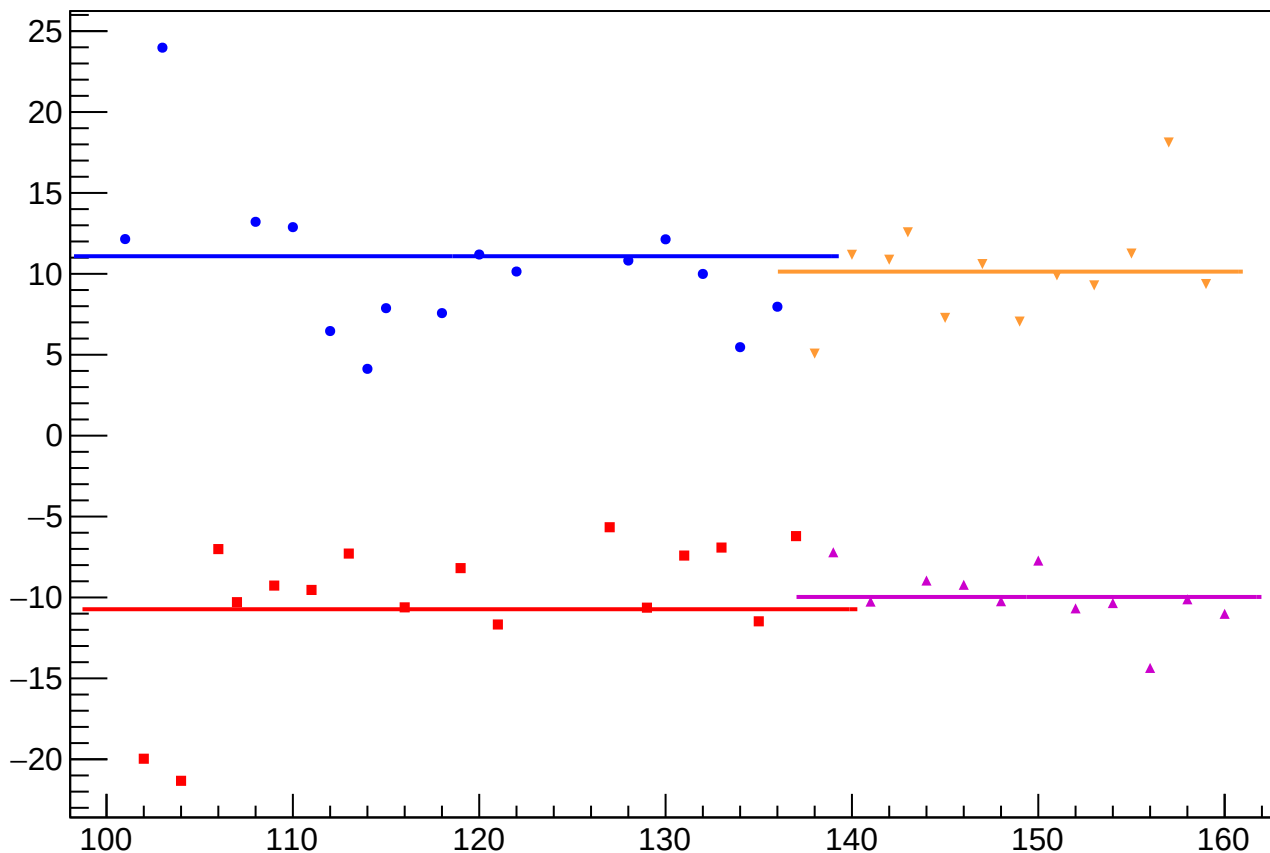
Right: 4.100+/-0.000 χ^2/NDF : 21298342988437283

In: 90.690+/-0.000 χ^2/NDF : 267298439260479340

Out: -69.565+/-0.000 χ^2/NDF : 2558458323075141

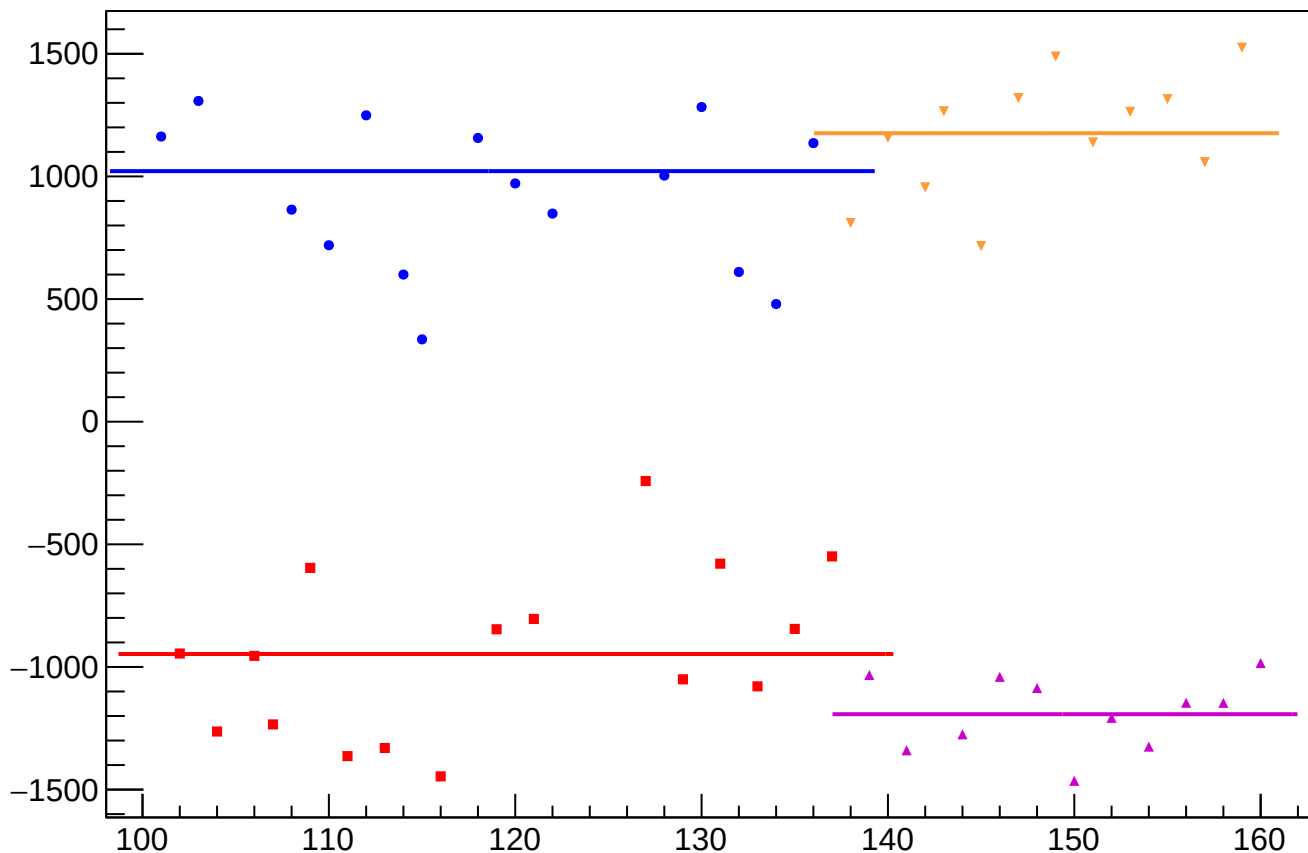
All: 10.283+/-0.000 χ^2/NDF : 5434132132493

dit_11X12X_coil7_err_mean vs Slug, Sign Corrected



Right In: 11.089 $\pm$ 0.000 χ^2 /NDF: 14235991122014984478163351266918400.0/14
 Left Out: 10.137 $\pm$ 0.000 χ^2 /NDF: 9233961900502442042562315288576000.0/11
 Right Out: -10.728 $\pm$ 0.000 χ^2 /NDF: 14767238290725260908081124437131264.0/15
 Left In: -9.968 $\pm$ 0.000 χ^2 /NDF: 2905664542402179840795878184976384.0/10
 All: 0.040 $\pm$ 0.000 χ^2 /NDF: 38375780972276

dit_11X12X_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

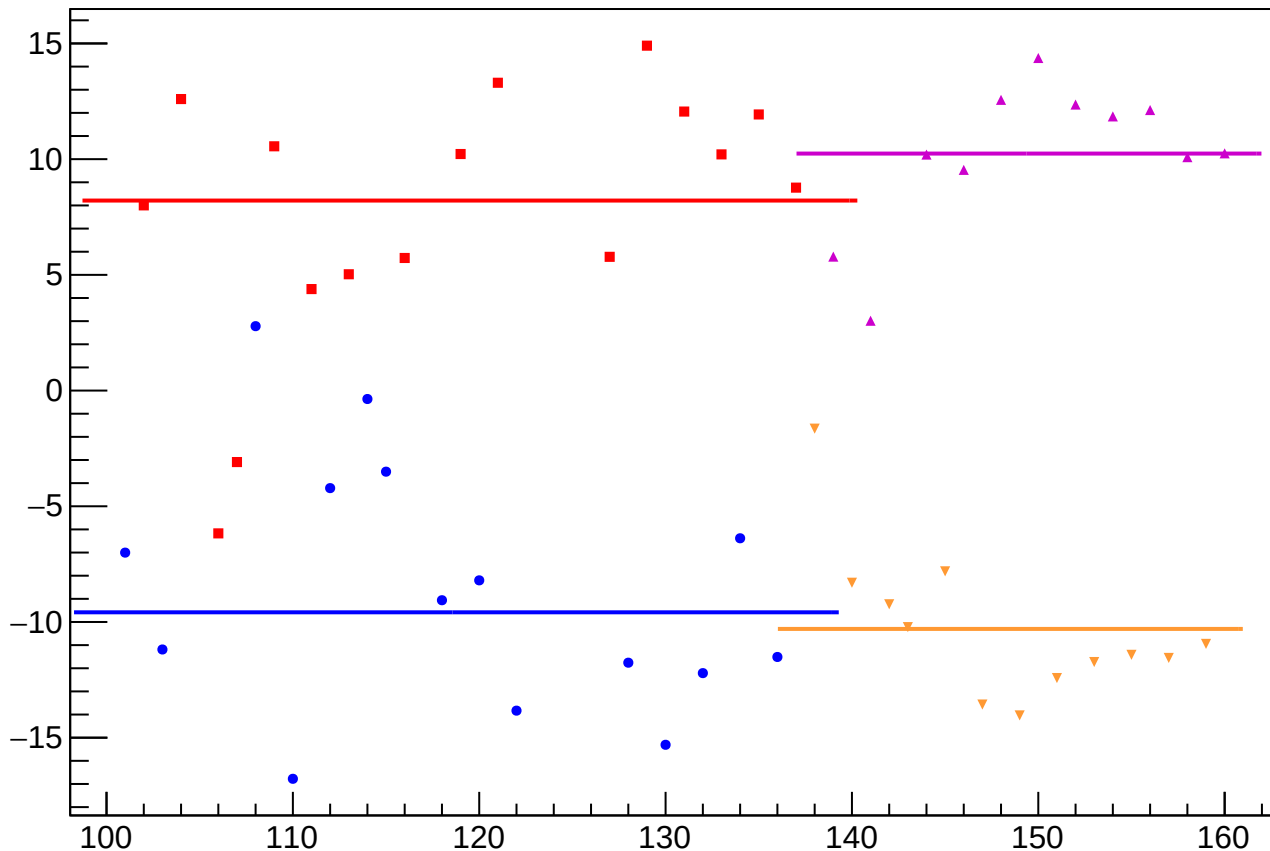
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_4aY_coil7_mean vs Slug, Sign Corrected



Right In: -9.582 ± 0.000

χ^2/NDF : 14702679983940002820806471963377664.0/14

Left Out: -10.300 ± 0.000

χ^2/NDF : 9506877601099056155644993577418752.0/11

Right Out: 8.211 ± 0.000

χ^2/NDF : 18304237293835961465605754204454912.0/15

Left In: 10.241 ± 0.000

χ^2/NDF : 8992829088408430483485977772818432.0/10

Left: 0.010 ± 0.000 χ^2/NDF : 212694162035822707

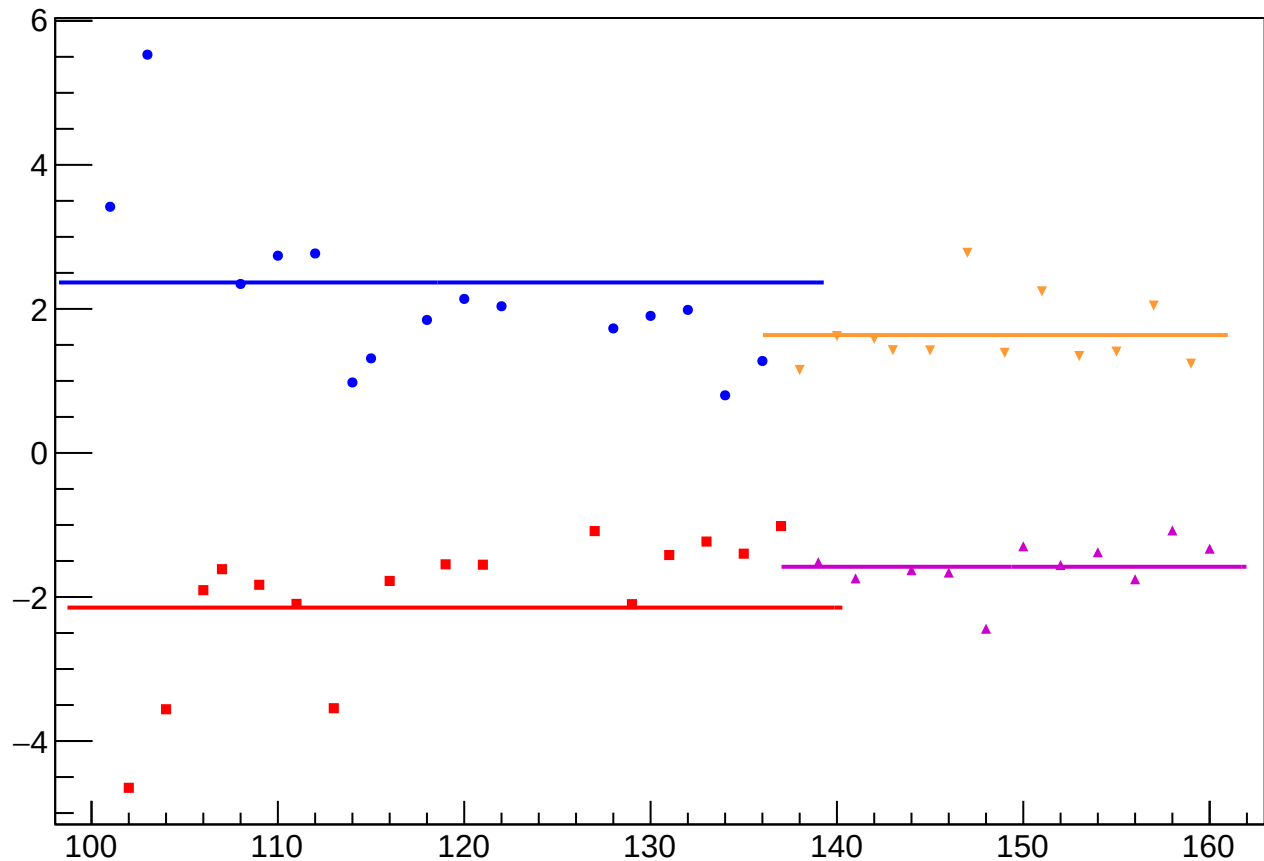
Right: -0.564 ± 0.000 χ^2/NDF : 1371493250181668

In: 2.062 ± 0.000 χ^2/NDF : 1735093437250268156

Out: -2.505 ± 0.000 χ^2/NDF : 16012140379584636

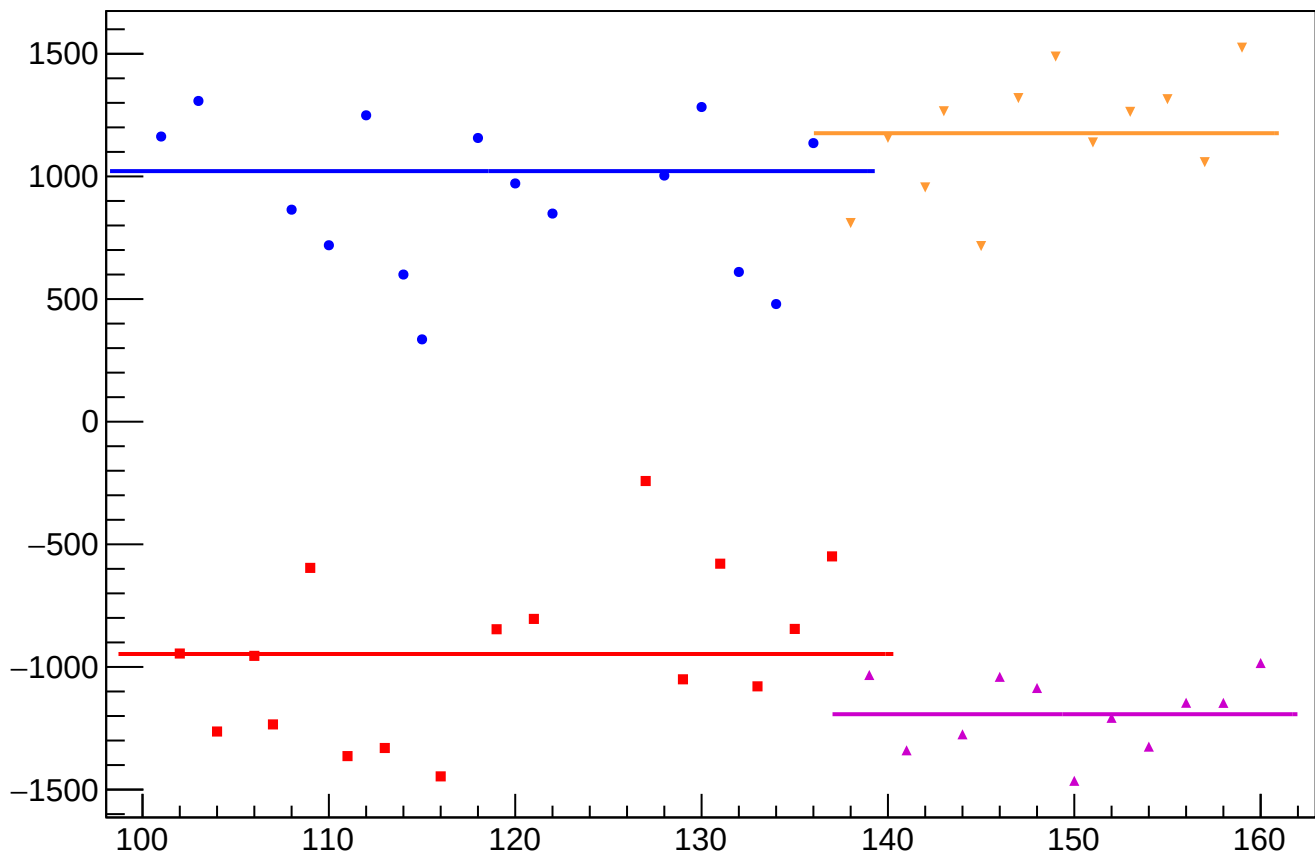
All: -0.229 ± 0.000 χ^2/NDF : 3500960863044

dit_4aY_coil7_err_mean vs Slug, Sign Corrected



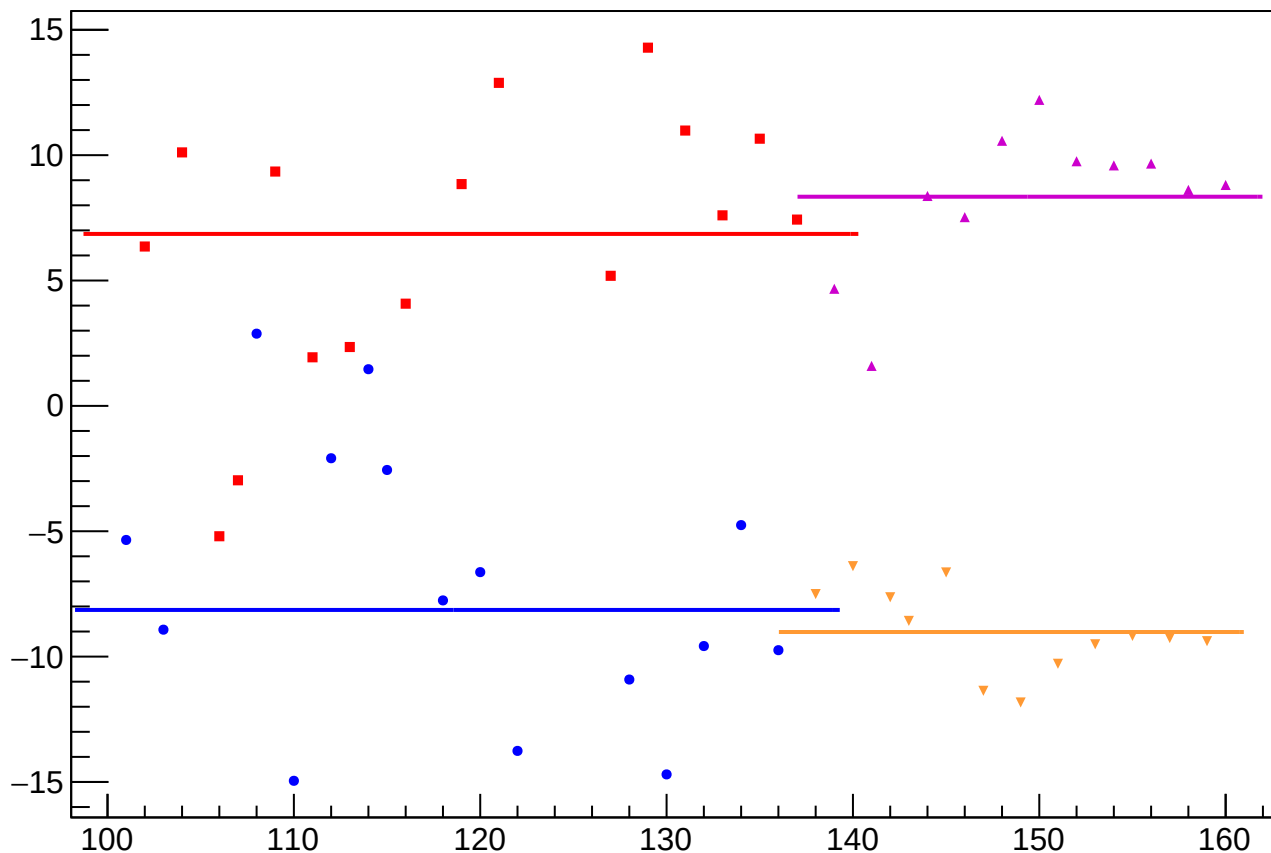
Right In: 2.367 ± 0.000 χ^2/NDF : 920633294546152876922066767446016.0/14
 Left Out: 1.637 ± 0.000 χ^2/NDF : 197584846951597051944769289191424.0/11
 Right Out: -2.147 ± 0.000 χ^2/NDF : 764171992480224478656127555338240.0/15
 Left In: -1.580 ± 0.000 χ^2/NDF : 104159820106689813353171792166912.0/10
 All: 0.046 ± 0.000 χ^2/NDF : 13455208592598

dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected



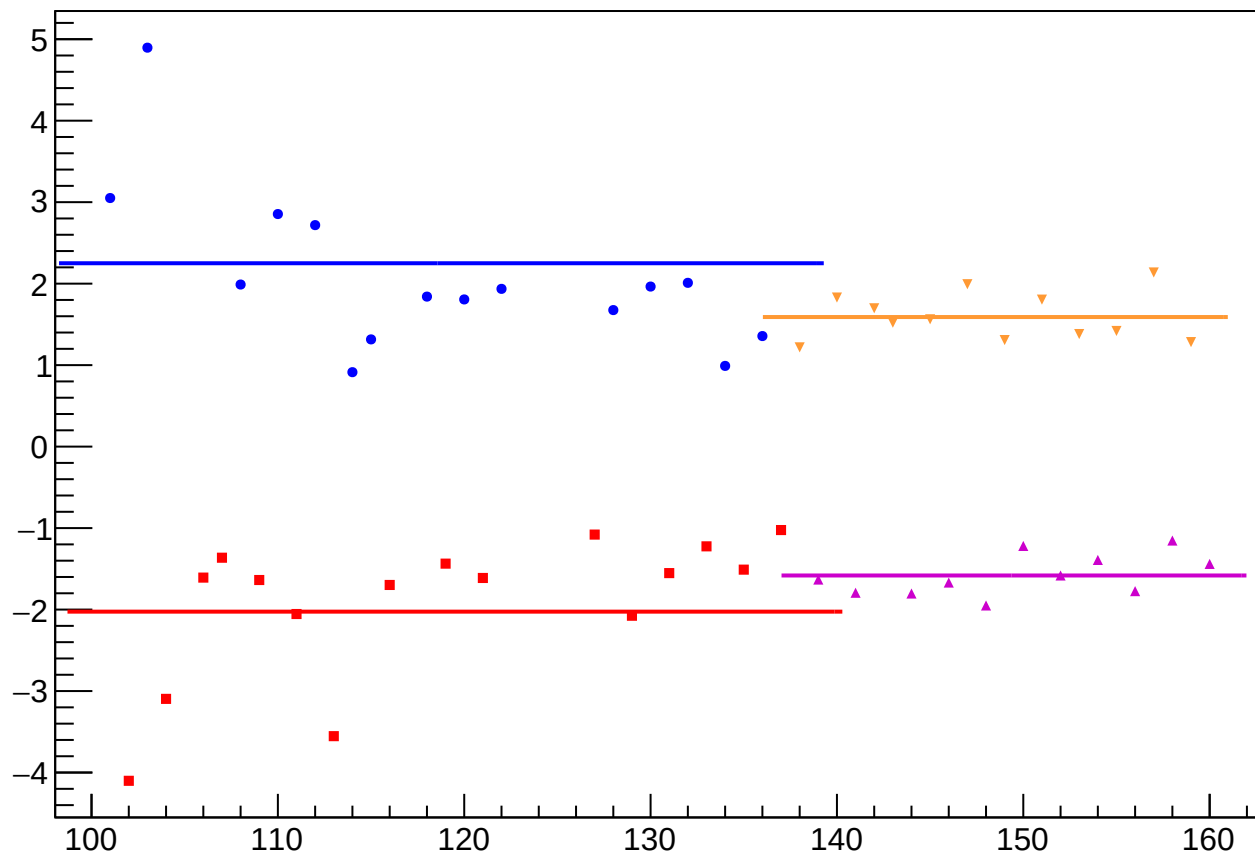
Left: -12.726 +/- 0.000 χ^2/NDF : 2655416452338642
 Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1176.242 +/- 0.000 χ^2/NDF : 53355525796592022882385023198883217408.0/11
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 19255287383728205662654022867381911552.0/10
 All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_4eY_coil7_mean vs Slug, Sign Corrected



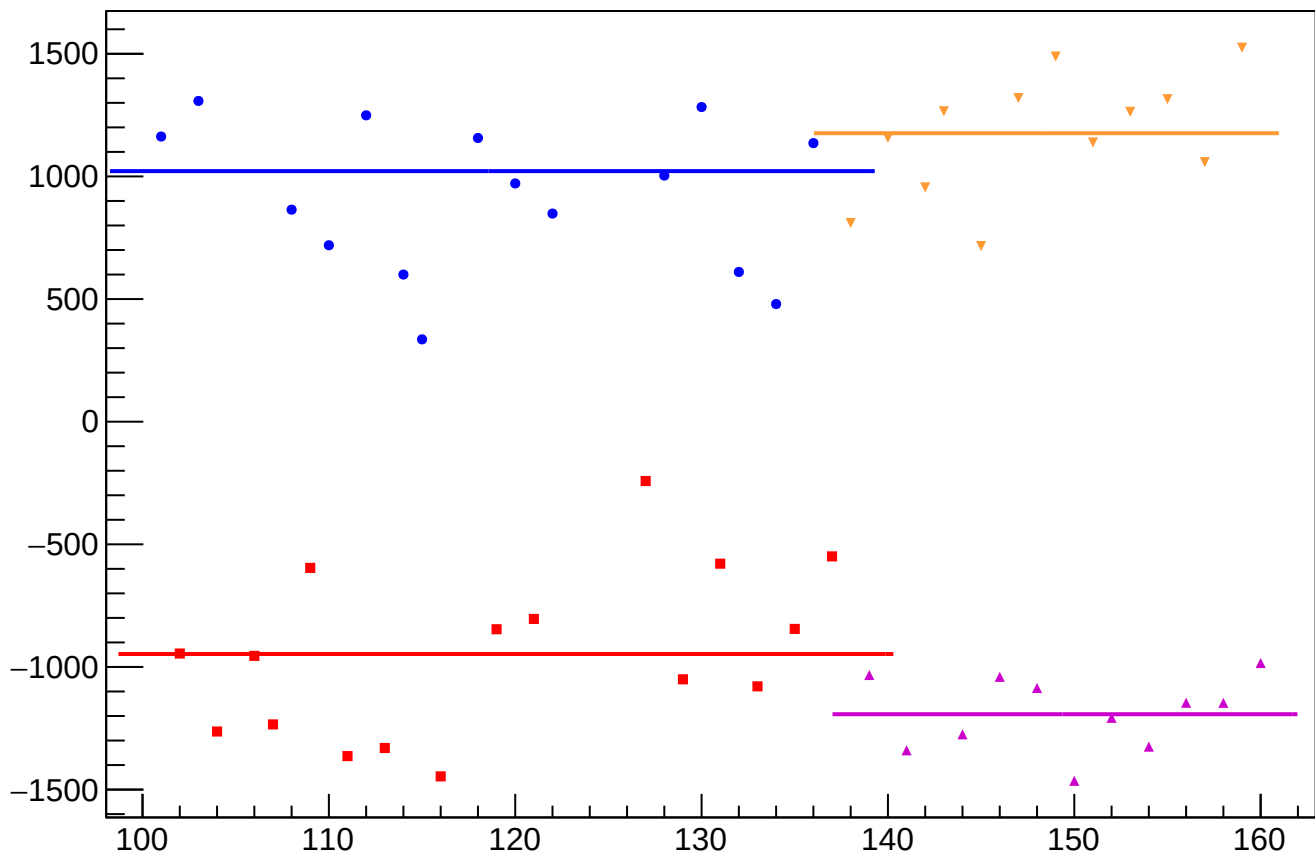
Right In: -8.139 ± 0.000 χ^2/NDF : 14676442649222120372533779893321728.0/14
 Left In: 8.343 ± 0.000 χ^2/NDF : 7268690948063694771204756789526528.0/10
 Right Out: -9.019 ± 0.000 χ^2/NDF : 2556393635520144823493802684579840.0/11
 Left Out: 6.859 ± 0.000 χ^2/NDF : 16483631561591790731352632153079808.0/15
 All: -0.402 ± 0.000 χ^2/NDF : 2537437015122

dit_4eY_coil7_err_mean vs Slug, Sign Corrected



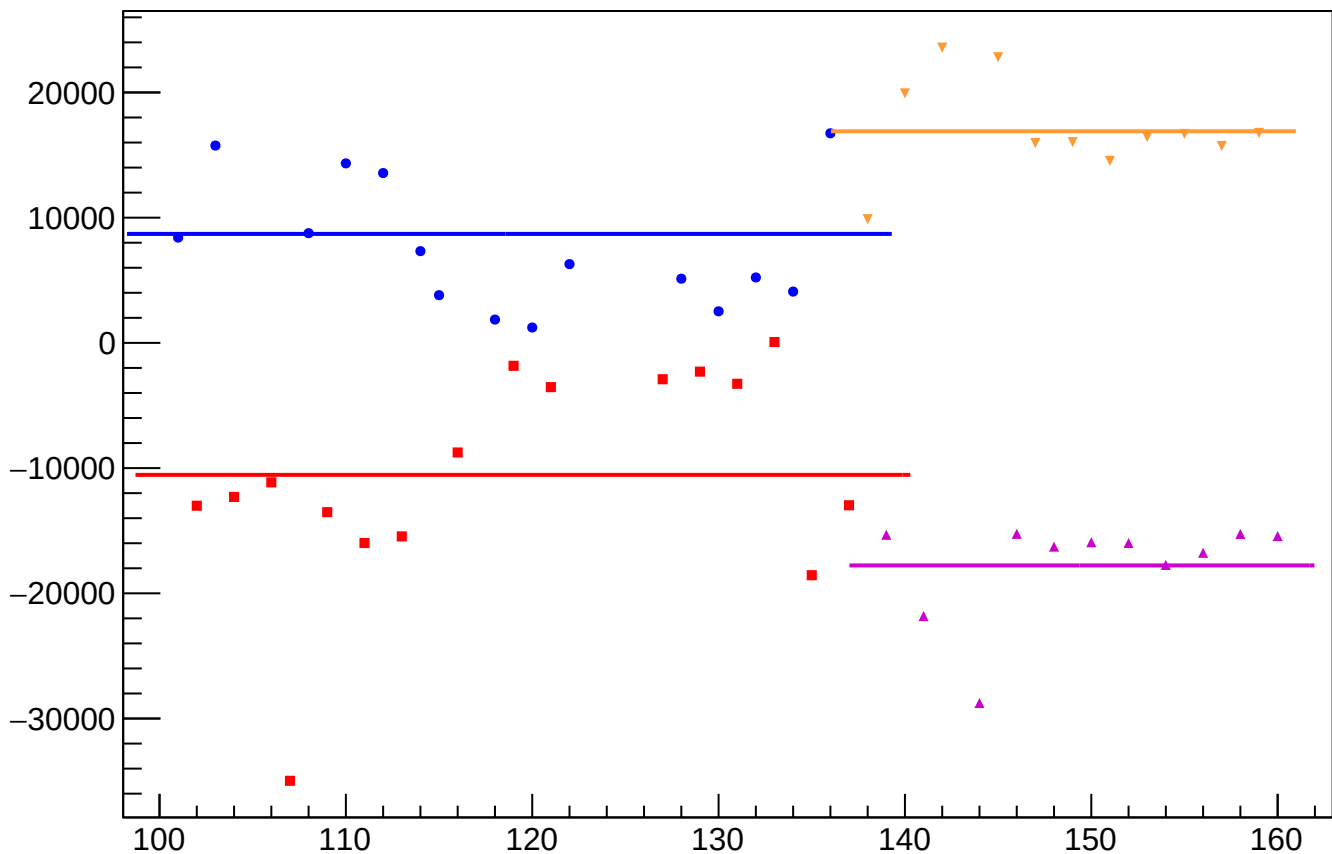
Right In: 2.250 $\pm$ 0.000 χ^2 /NDF: 656774588136274816295442701090816.0/14
 Left Out: 1.590 $\pm$ 0.000 χ^2 /NDF: 76554351114693669605218090745856.0/11
 Right Out: -2.025 $\pm$ 0.000 χ^2 /NDF: 578717441762956454616505599918080.0/15
 Left In: -1.582 $\pm$ 0.000 χ^2 /NDF: 54930988145763434904897999339520.0/10
 All: 0.034 $\pm$ 0.000 χ^2 /NDF: 12016412328768.0/40

dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected



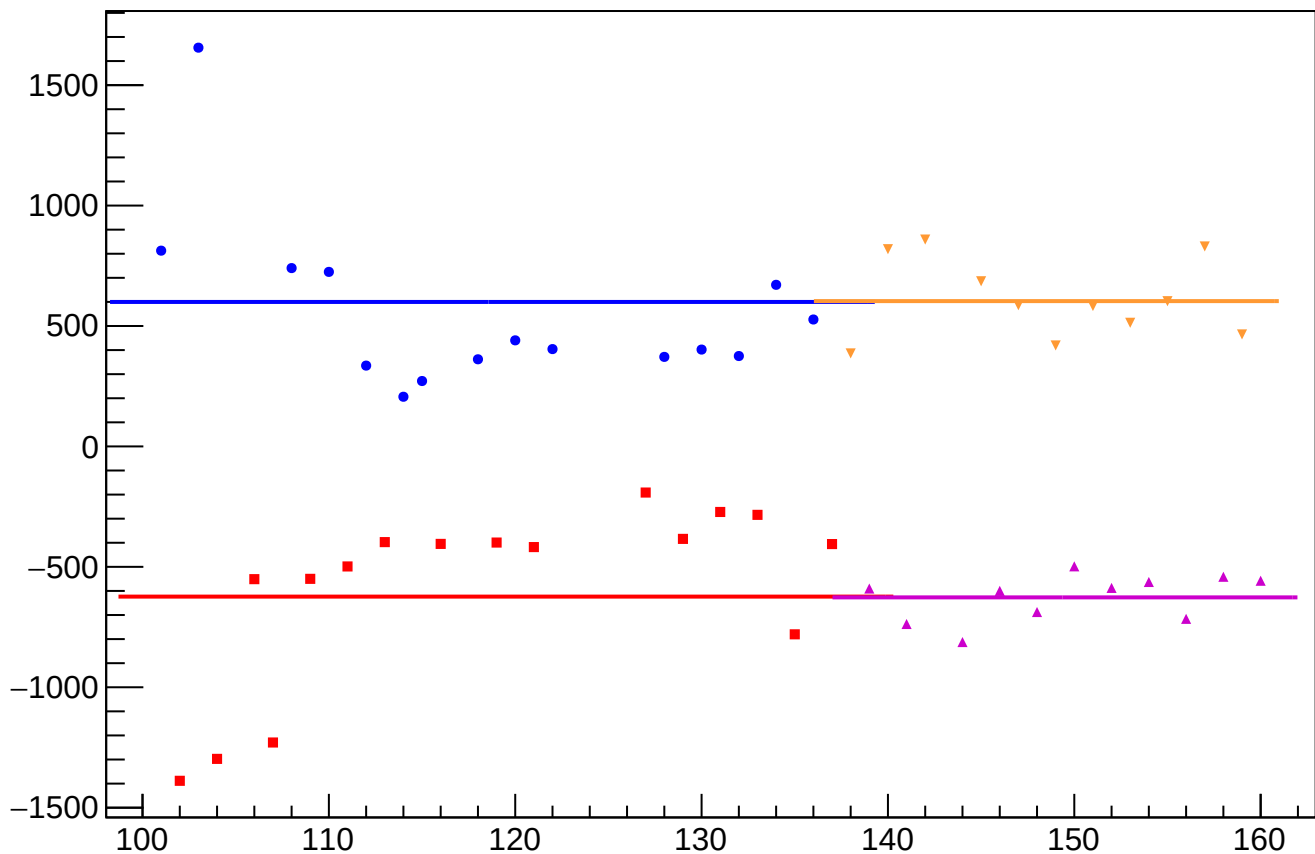
Left: -12.726 +/- 0.000 χ^2/NDF : 2655416452338642
 Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1176.242 +/- 0.000 χ^2/NDF : 53355525796592022882385023198883217408.0/11
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 19255287383728205662654022867381911552.0/10
 All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_usl_coil7_mean vs Slug, Sign Corrected



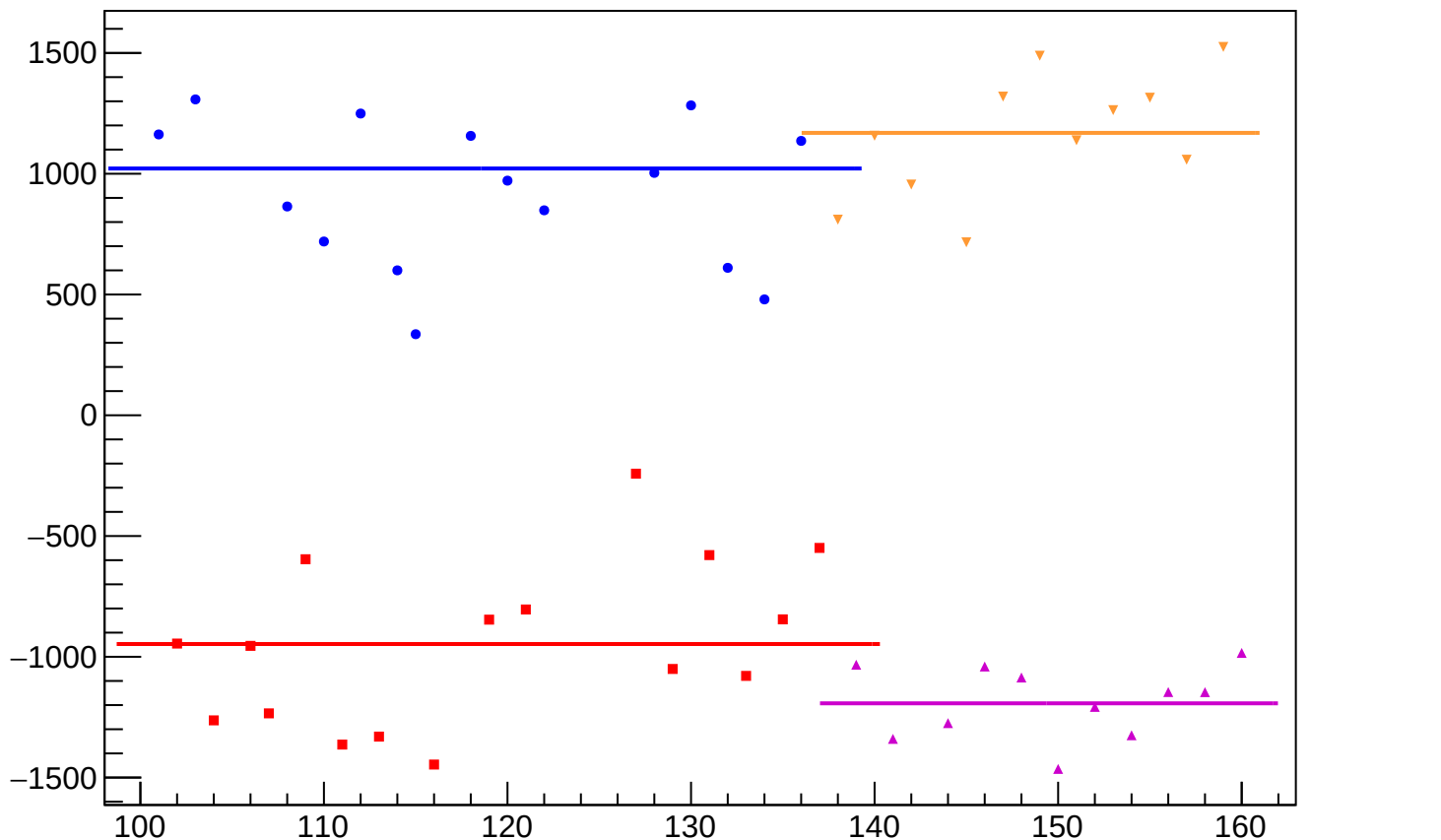
Right In: 8703.332+/-0.000 χ^2/NDF : 19501133067308426859536304500819191922688.0/14
 Left Out: 16897.725+/-0.000 χ^2/NDF : 10176252623828635713405692864230091390976.0/10
 Right Out: -10539.327+/-0.000 χ^2/NDF : 46226684227836109273394062569753758662656.0/15
 Left In: -17773.103+/-0.000 χ^2/NDF : 14926066991142889452676587552618632445952.0/10
 All: -1113.447+/-0.000 χ^2/NDF : 7448275665

dit_usl_coil7_err_mean vs Slug, Sign Corrected



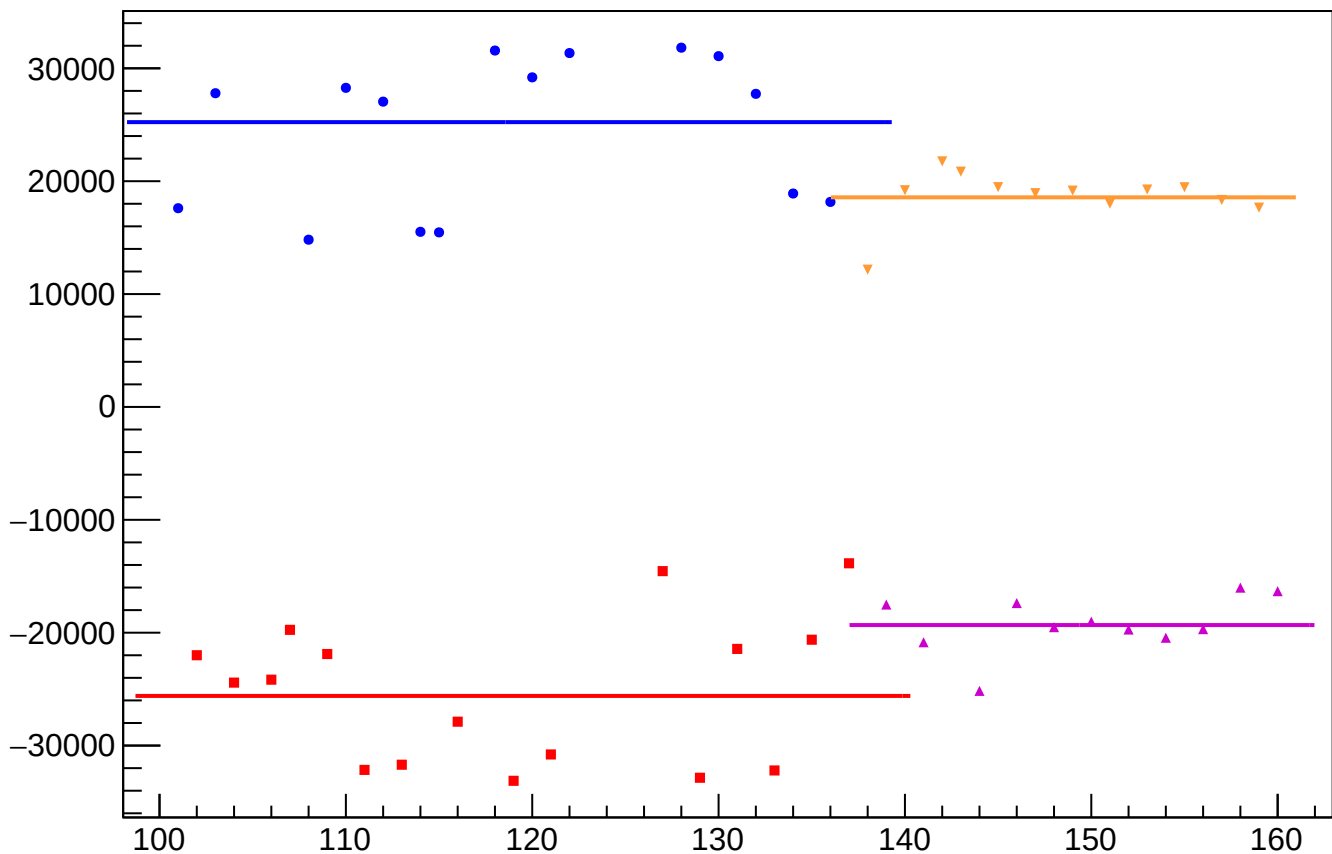
Right In: 599.849+/-0.000 χ^2/NDF : 89258961100373244309337208715638472704.0/14
 Left Out: 603.317+/-0.000 χ^2/NDF : 20231084325408050976710009900855459840.0/10
 Right Out: -623.569+/-0.000 χ^2/NDF : 101448845479297603044152618126879490048.0/15
 Left In: -626.785+/-0.000 χ^2/NDF : 8170989429665370050254275774703992832.0/10
 All: -30.080+/-0.000 χ^2/NDF : 138158678940

dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected



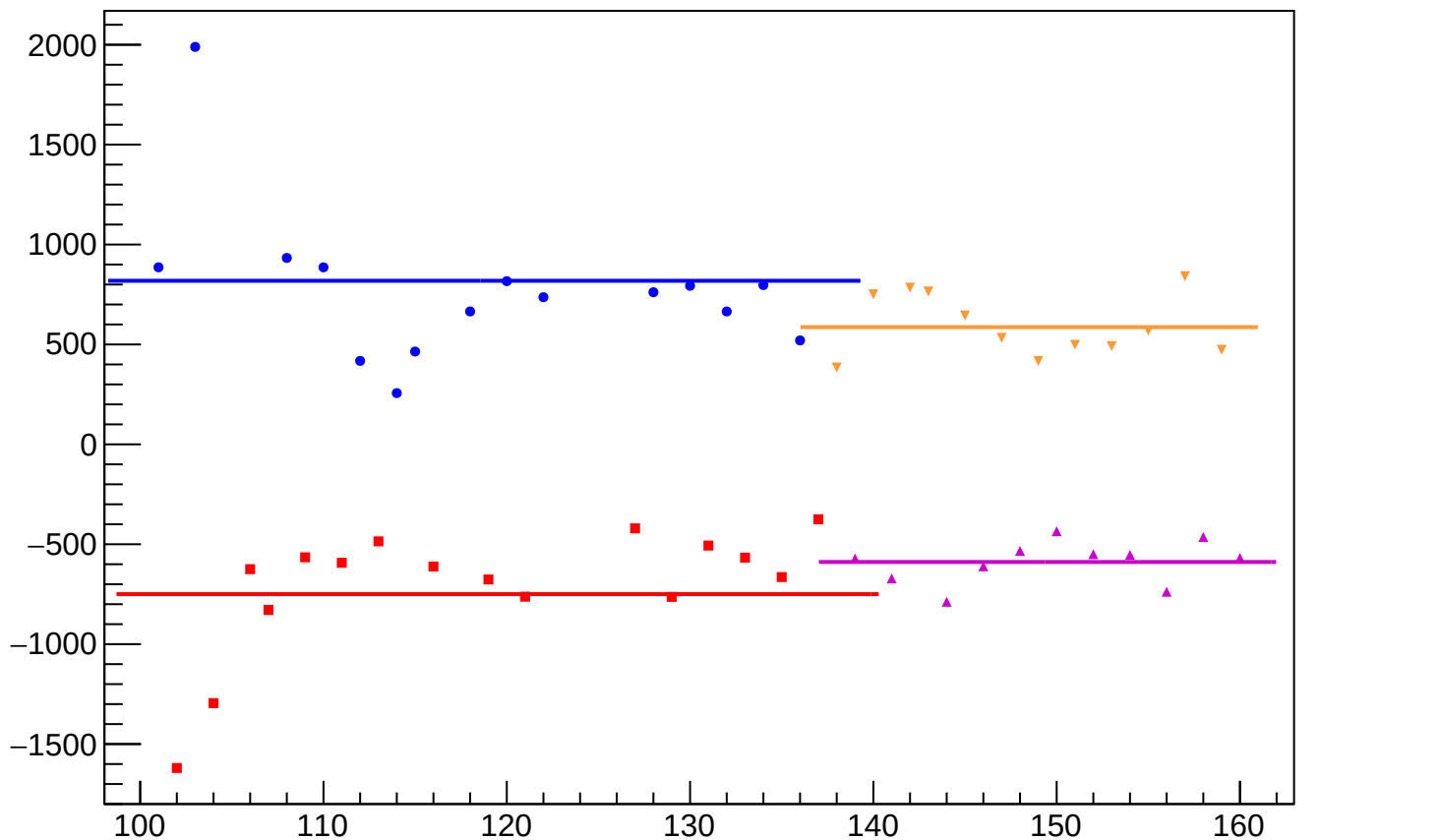
Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1169.193 +/- 0.000 χ^2/NDF : 52777446675178529289654408188899885056.0/10
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 1925528738372820562654022867381911552.0/10
 All: -24.887 +/- 0.000 χ^2/NDF : 393055602424

dit_usr_coil7_mean vs Slug, Sign Corrected



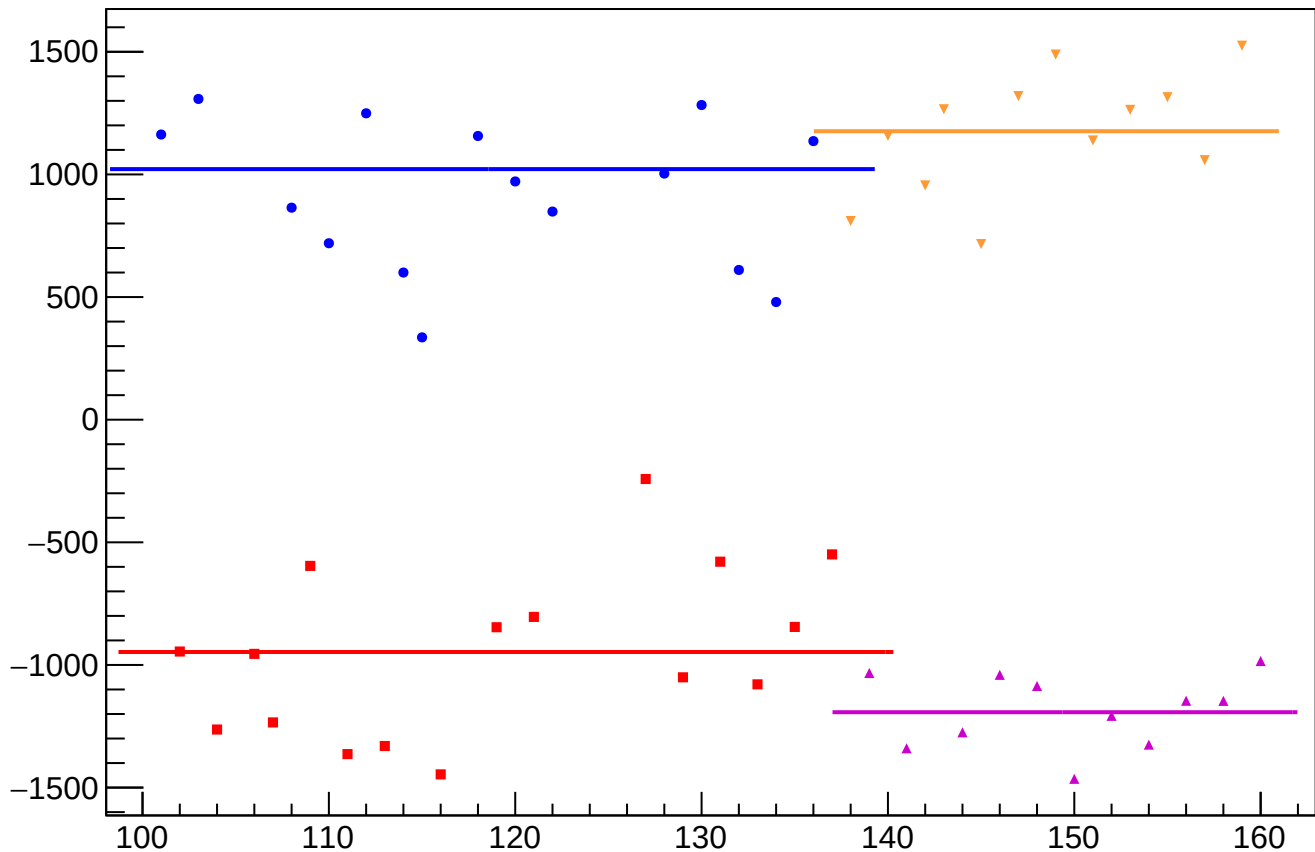
Right In: 25232.229+/-0.000 χ^2/NDF : 24534581974772031016304633863538632294400.0/14
 Left Out: 18569.658+/-0.000 χ^2/NDF : 4355453929949745896740569008121325813760.0/11
 Right Out: -25601.388+/-0.000 χ^2/NDF : 24359757587964510827650819847270483099648.0/15
 Left In: -19322.974+/-0.000 χ^2/NDF : 5509841990831420617123513924011035721728.0/10
 All: -483.516+/-0.000 χ^2/NDF : 15696017258

dit_usr_coil7_err_mean vs Slug, Sign Corrected



Right In: 818.668 $\pm$ 0.000 χ^2 /NDF: 105606527096911974489496802318373355520.0/14
 Left Out: 586.466 $\pm$ 0.000 χ^2 /NDF: 19798968336765265919175174287150546944.0/11
 Right Out: -749.661 $\pm$ 0.000 χ^2 /NDF: 77972691834605708706145461250669150208.0/15
 Left In: -588.693 $\pm$ 0.000 χ^2 /NDF: 9904386894828699094725074481582178304.0/10
 All: 7.960 $\pm$ 0.000 χ^2 /NDF: 16585184603525

dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

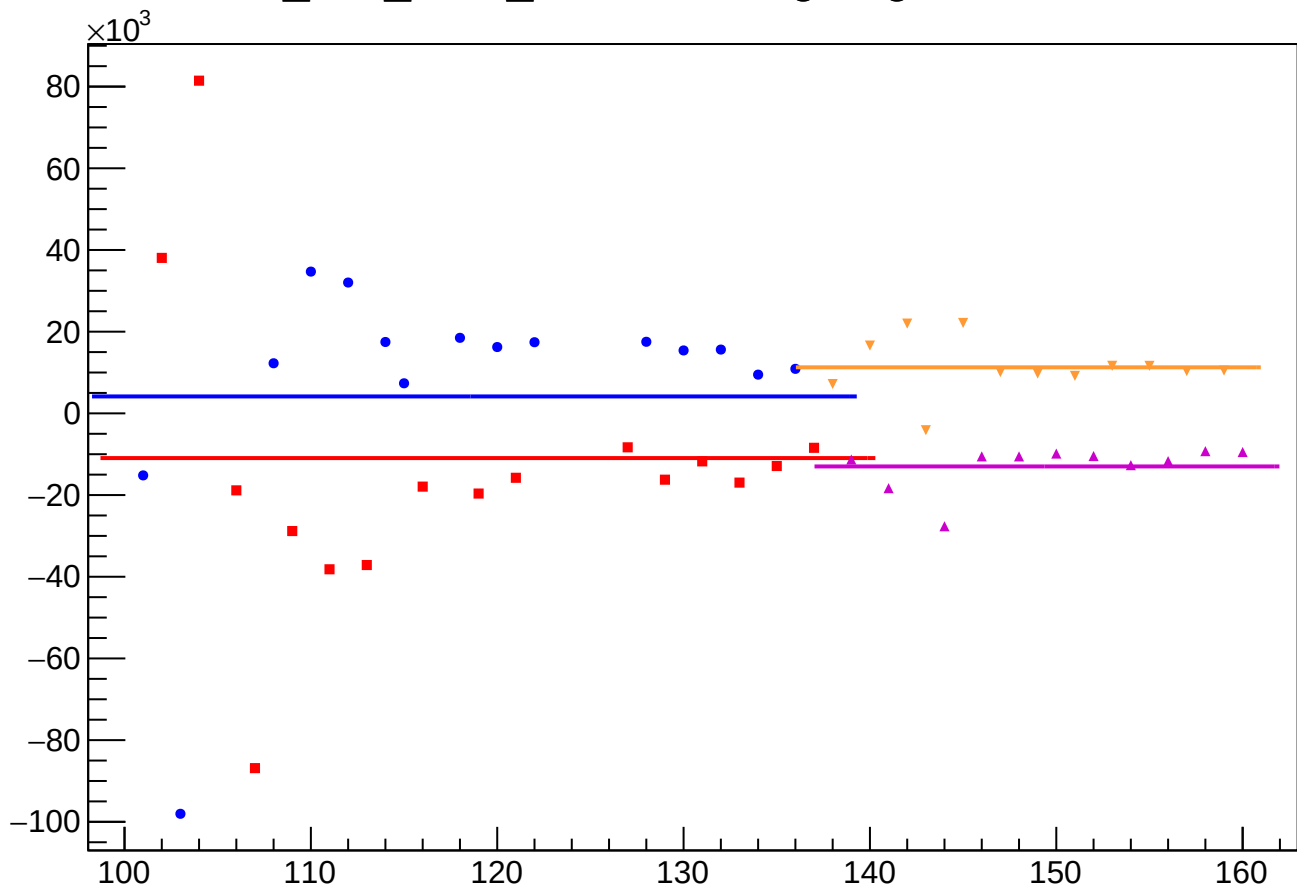
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 1925528738372820562654022867381911552.0/10

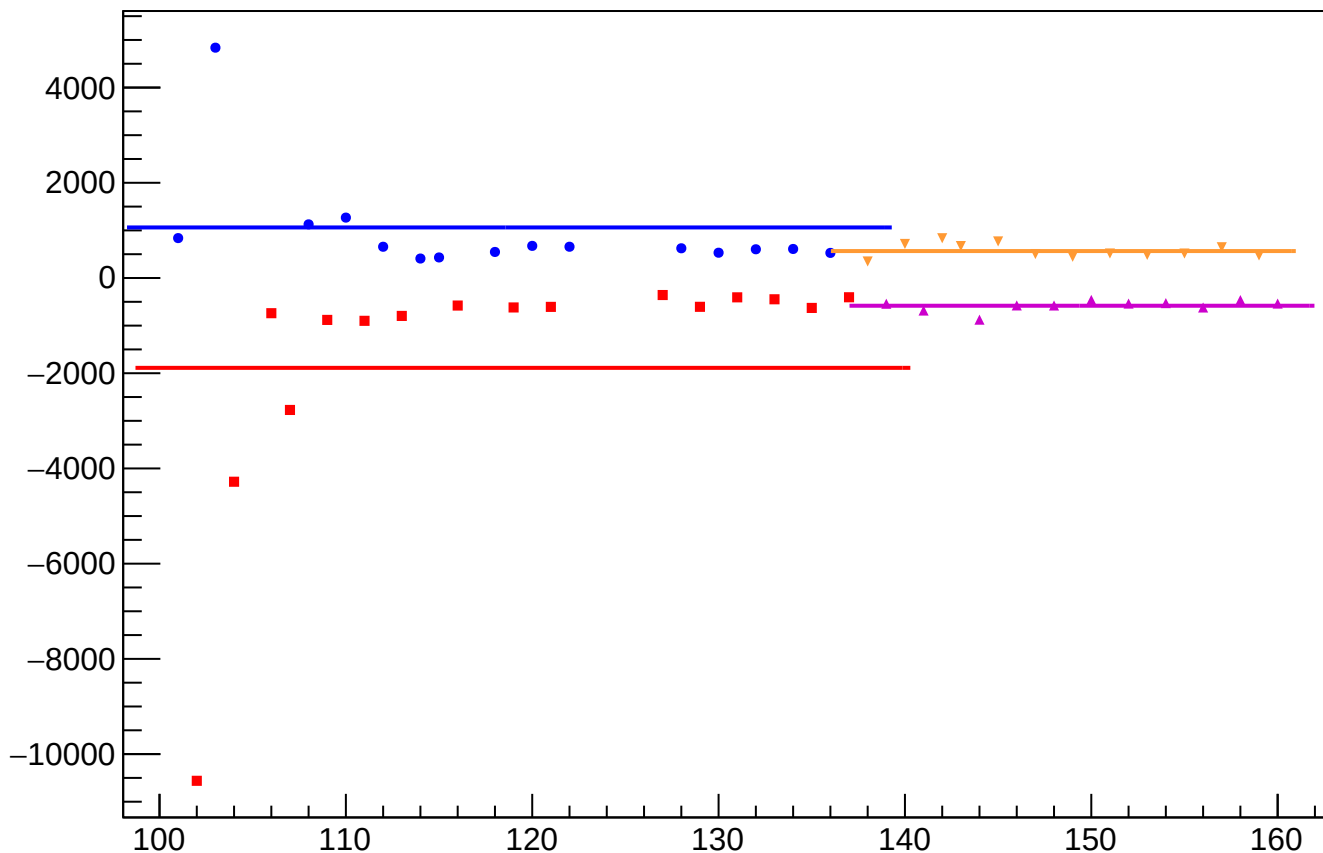
All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_atl1_coil7_mean vs Slug, Sign Corrected



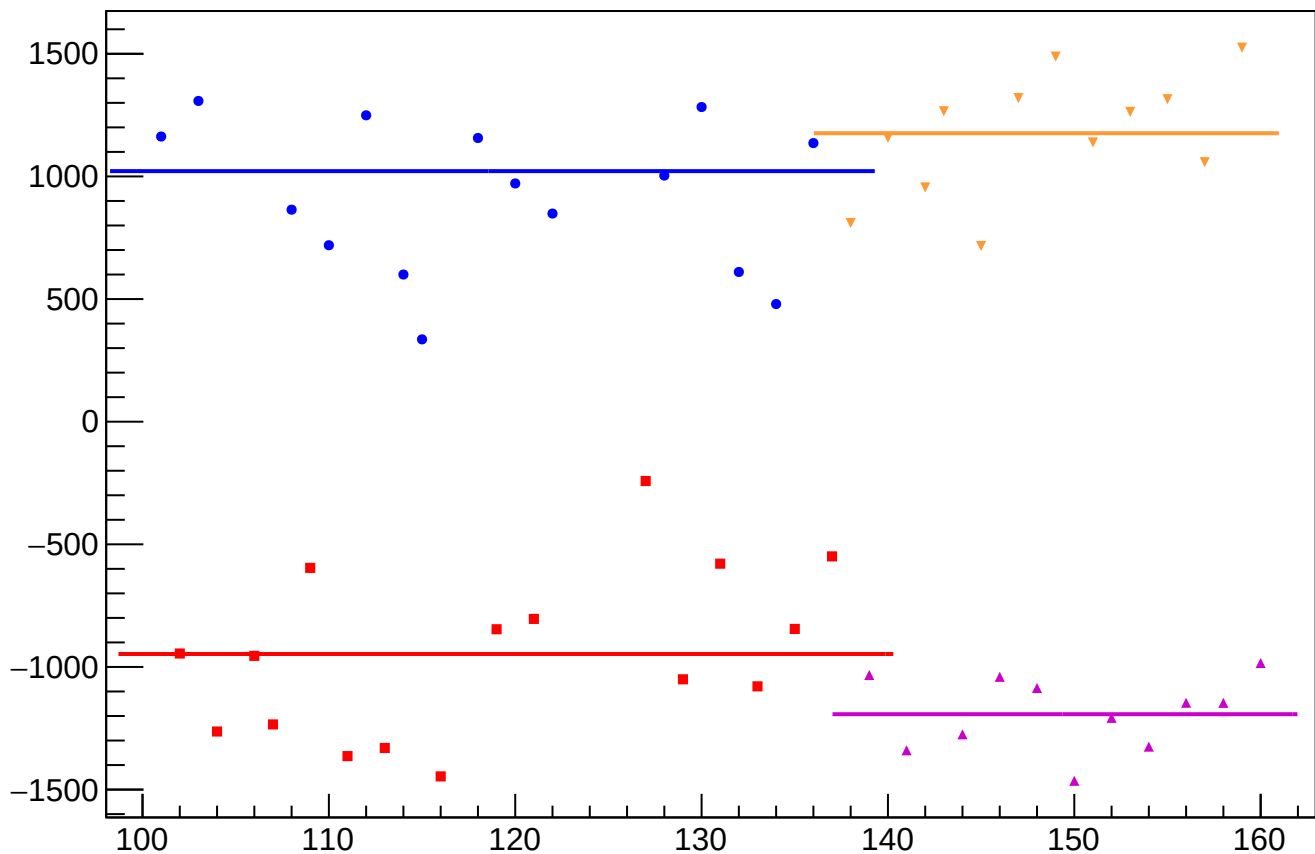
Left: -907.861 ± 0.000 $\chi^2/\text{NDF}: 332523614626730$
 Right In: 4145.268 ± 0.000 $\chi^2/\text{NDF}: 763693998395064689637972381933507648159744.0/14$
 Right: -3504.625 ± 0.000 $\chi^2/\text{NDF}: 1712578788282$
 Left Out: 11270.779 ± 0.000 $\chi^2/\text{NDF}: 35137043527033139065388759182682848493568.0/11$
 In: -5922.694 ± 0.000 $\chi^2/\text{NDF}: 902084767732052$
 Right Out: -10948.073 ± 0.000 $\chi^2/\text{NDF}: 873949668510327201514601463115396191092736.0/15$
 Out: 1914.734 ± 0.000 $\chi^2/\text{NDF}: 109971319391209$
 Left In: -12994.239 ± 0.000 $\chi^2/\text{NDF}: 26399397473209063315648711040224276250624.0/10$
 All: -1990.326 ± 0.000 $\chi^2/\text{NDF}: 2050277278$

dit_atl1_coil7_err_mean vs Slug, Sign Corrected



Right In: 1062.141+/-0.000 χ^2/NDF : 952806231926530012715872184655778152448.0/14
 Left Out: 565.876+/-0.000 χ^2/NDF : 16647379125618292913647848878579384320.0/11
 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: -186.440+/-0.000 χ^2/NDF : 10111903245

dit_atl1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

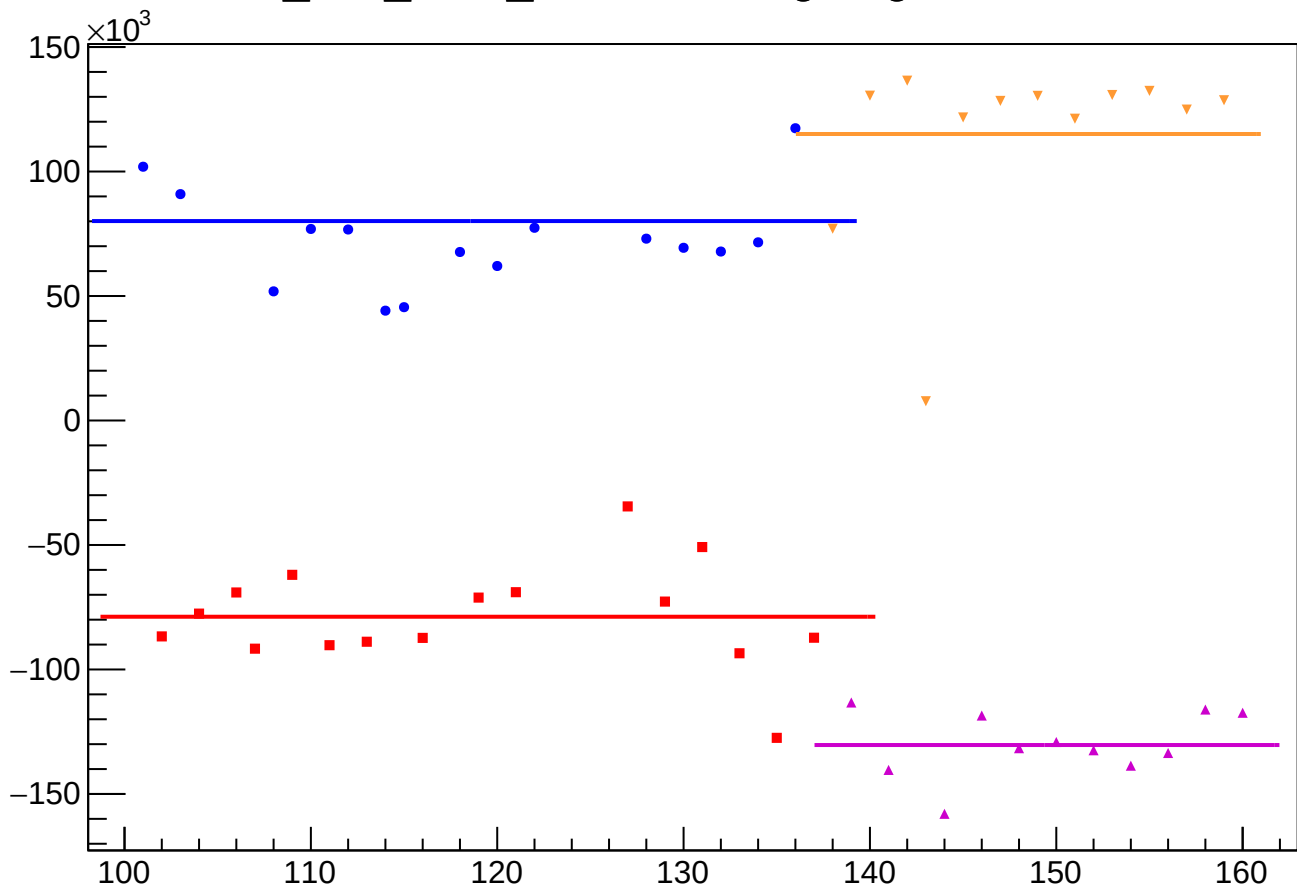
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_atl2_coil7_mean vs Slug, Sign Corrected



Right In: 80102.504+/-0.000

χ^2/NDF : 254521784097258654723607522631742465769472.0/14

Left Out: 115071.197+/-0.000

χ^2/NDF : 1032500680832033878927899547290304830767104.0/11

Right Out: -78815.832+/-0.000

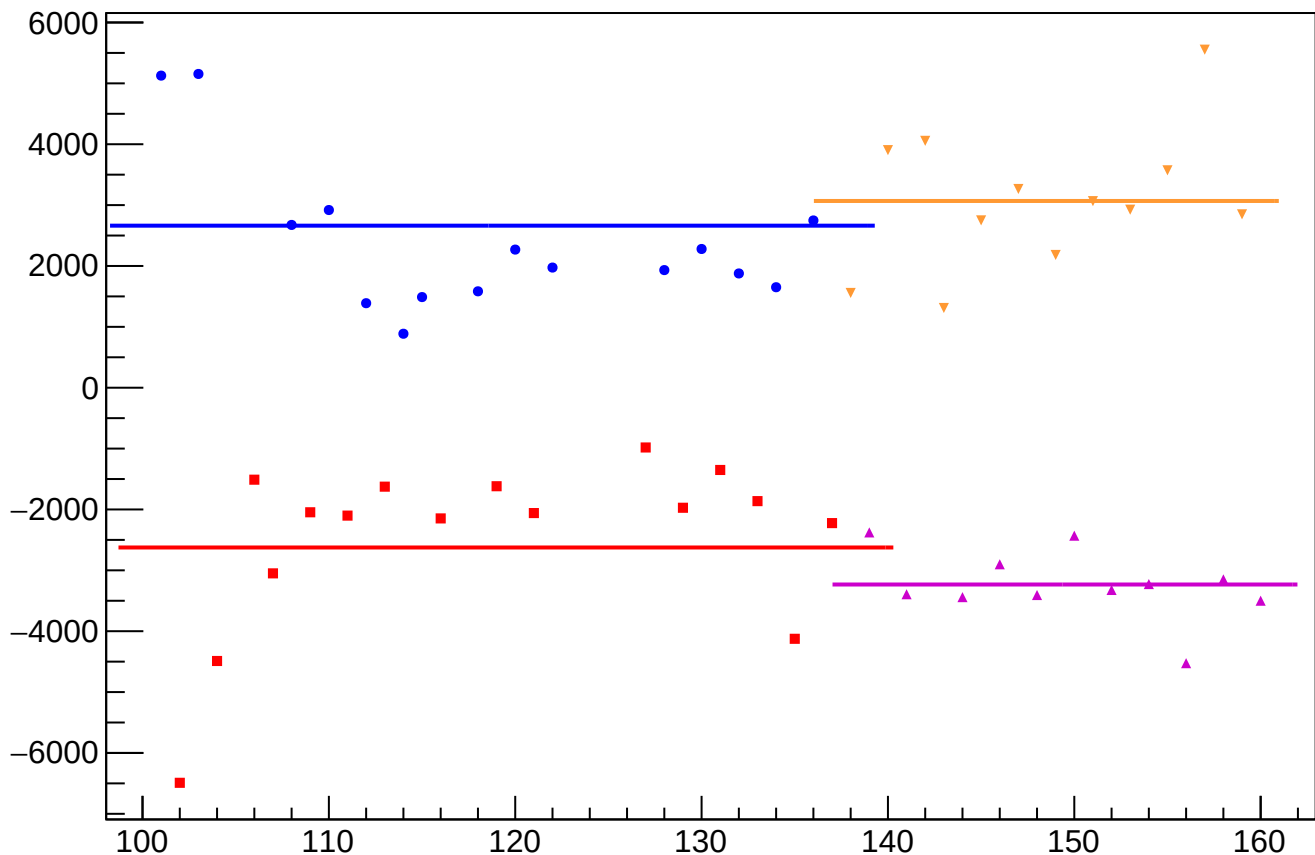
χ^2/NDF : 286076919217811099434470442231998185472000.0/15

Left In: -130346.244+/-0.000

χ^2/NDF : 148174871015439819820100459279999278514176.0/10

All: -4910.762+/-0.000 χ^2/NDF : 3779399134

dit_atl2_coil7_err_mean vs Slug, Sign Corrected



Right In: 2662.183+/-0.000

Left Out: 3067.875+/-0.000

Right Out: -2624.696+/-0.000

Left In: -3232.879+/-0.000

χ^2/NDF : 1031389230165640157864439705583367487488.0/14

χ^2/NDF : 1078495187687389019694818149822179049472.0/11

χ^2/NDF : 1566705216866534713590934835660406652928.0/15

χ^2/NDF : 275721007613891276741007240283331493888.0/10

Left: -94.481+/-0.000 χ^2/NDF : 1962565007329207

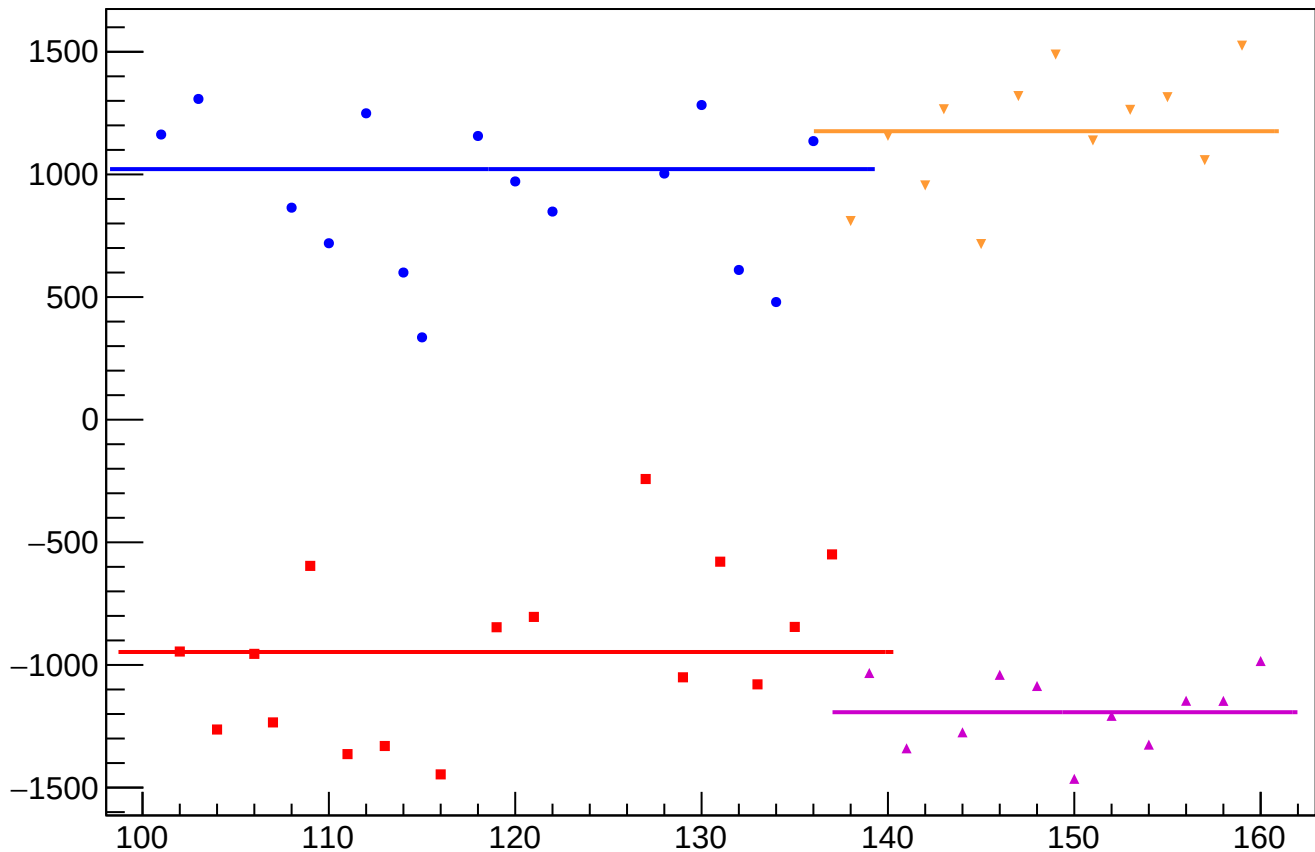
Right: -17.413+/-0.000 χ^2/NDF : 117922842657675

In: -800.651+/-0.000 χ^2/NDF : 145555206694384

Out: 670.814+/-0.000 χ^2/NDF : 1515807076581912

All: -62.355+/-0.000 χ^2/NDF : 314224924174

dit_atl2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

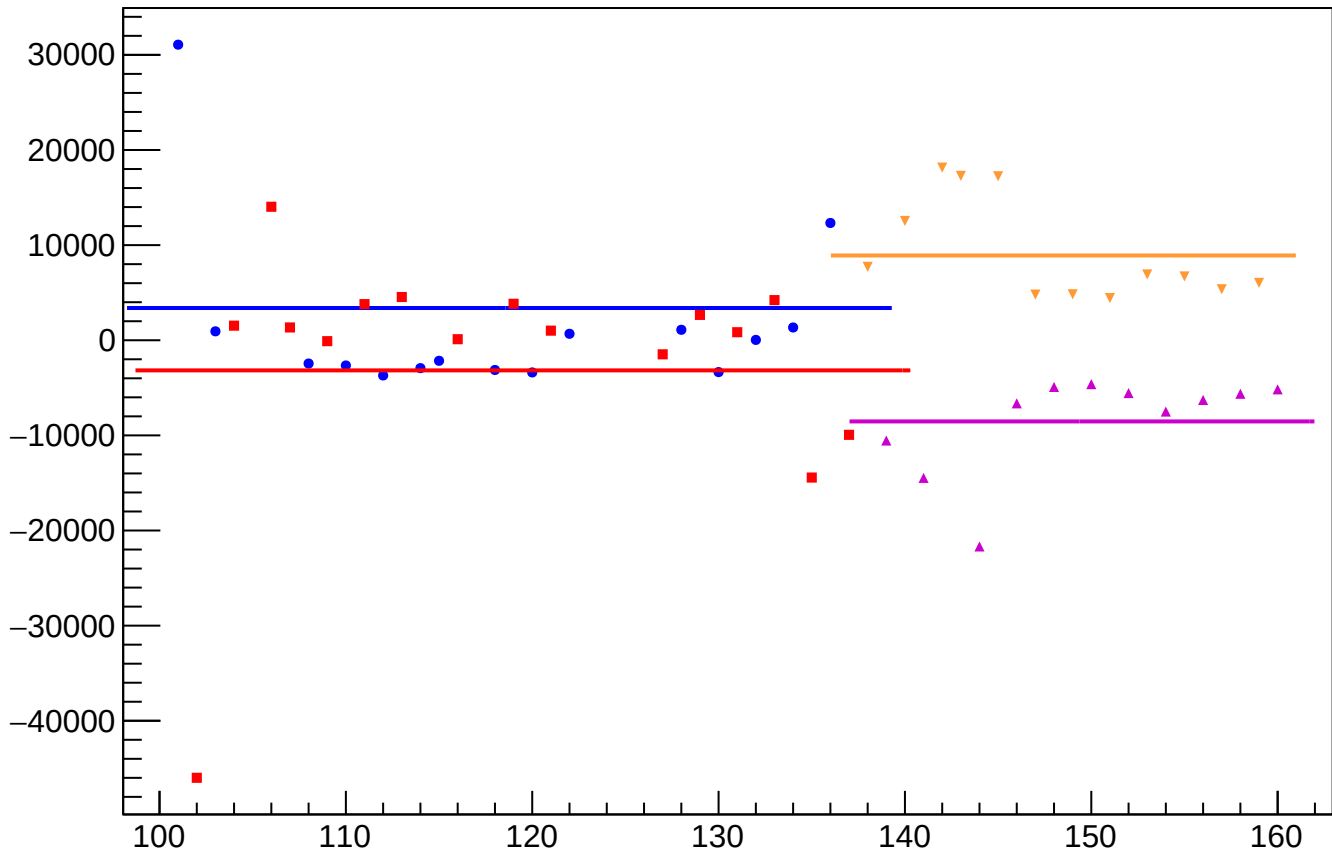
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 1925528738372820562654022867381911552.0/10

All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_atr1_coil7_mean vs Slug, Sign Corrected



Right In: 3390.550+/-0.000

Left Out: 8912.459+/-0.000

Right Out: -3167.396+/-0.000

Left In: -8532.821+/-0.000

χ^2/NDF : 65871927441553256724179194556280173756416.0/14

χ^2/NDF : 22070544402646074284268231690805235941376.0/11

χ^2/NDF : 137753886677241144460462531881687568089088.0/15

χ^2/NDF : 24299515949380224586324737558095226470400.0/10

Left: 156.653+/-0.000

Right: 66.728+/-0.000

In: -3613.388+/-0.000

Out: 3825.803+/-0.000

All: 119.168+/-0.000

χ^2/NDF : 1864395174272664

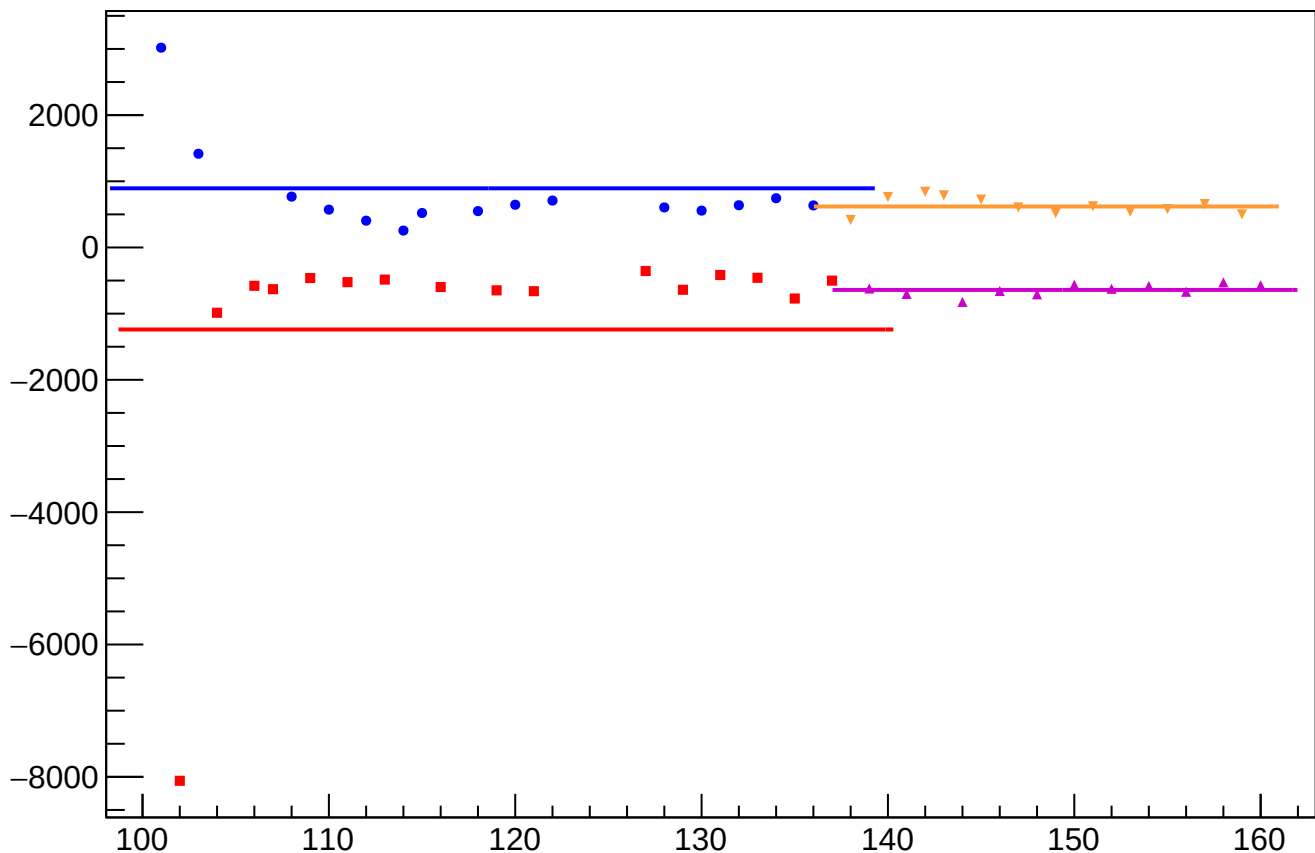
χ^2/NDF : 2177723560844725

χ^2/NDF : 144369798447171

χ^2/NDF : 216170475506830

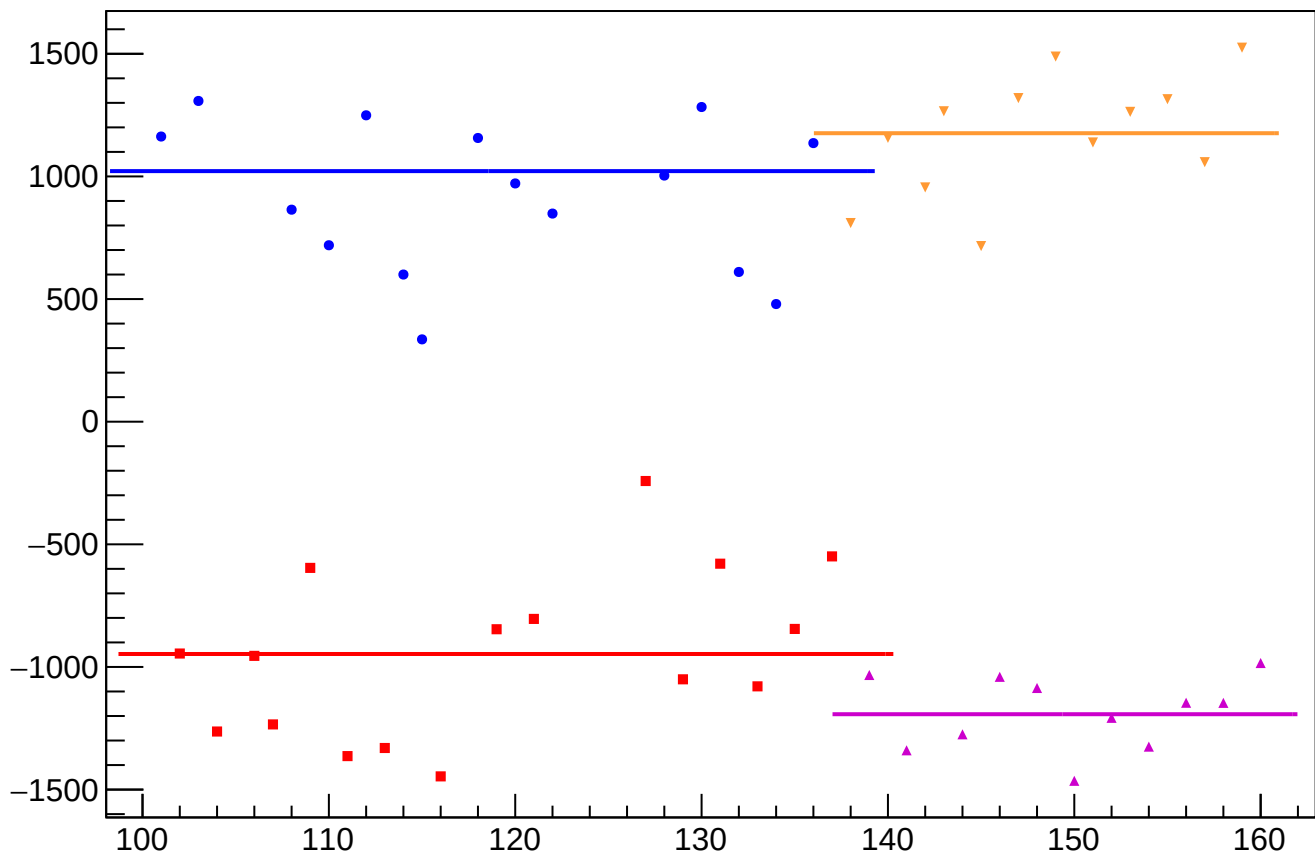
χ^2/NDF : 404218079274

dit_atr1_coil7_err_mean vs Slug, Sign Corrected



Right In: 893.683 +/- 0.000 χ^2/NDF : 334583619078631008932404228227359309824.0/14
 Left Out: 619.363 +/- 0.000 χ^2/NDF : 12743310597907802273598099300489887744.0/11
 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: -85.966 +/- 0.000 χ^2/NDF : 557579474185

dit_atr1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

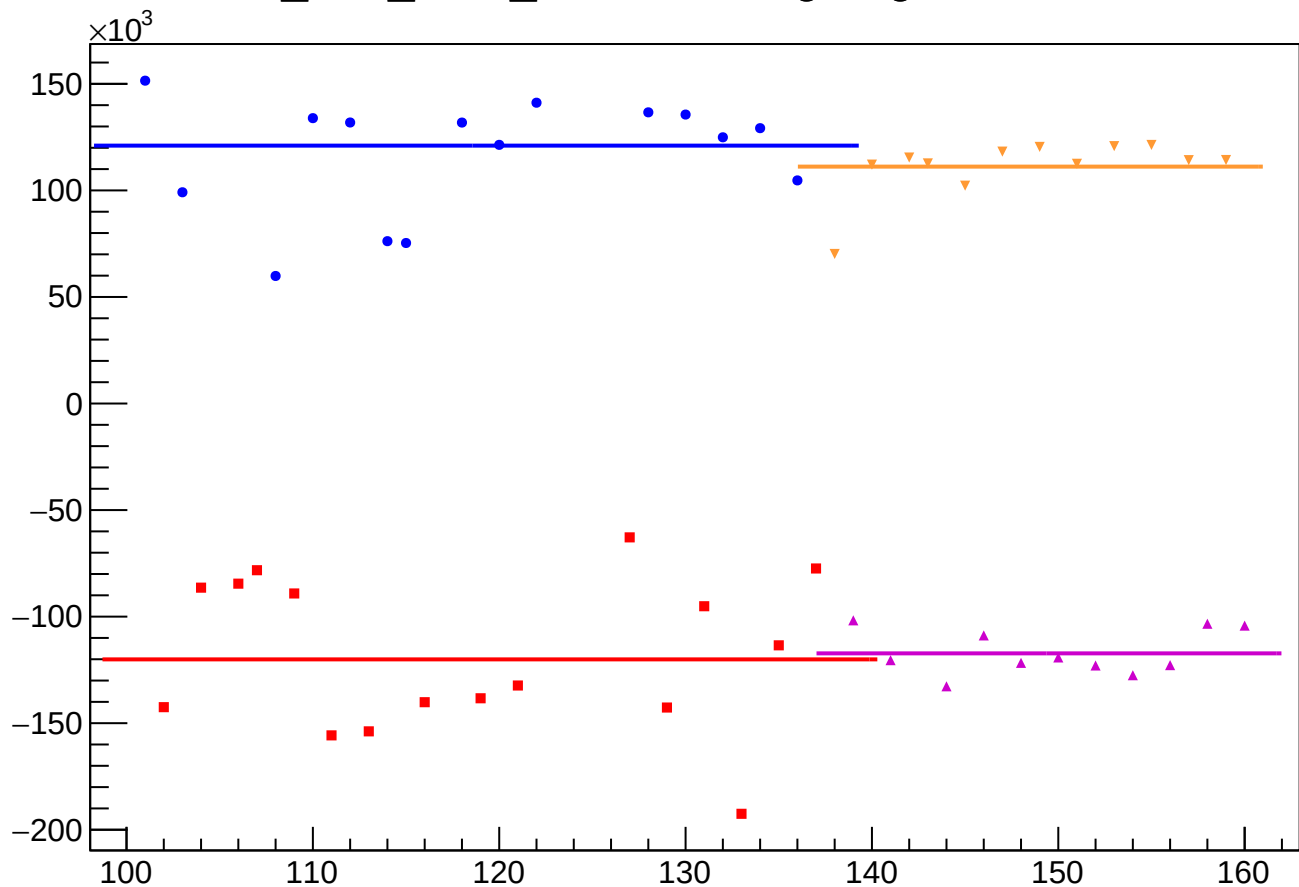
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

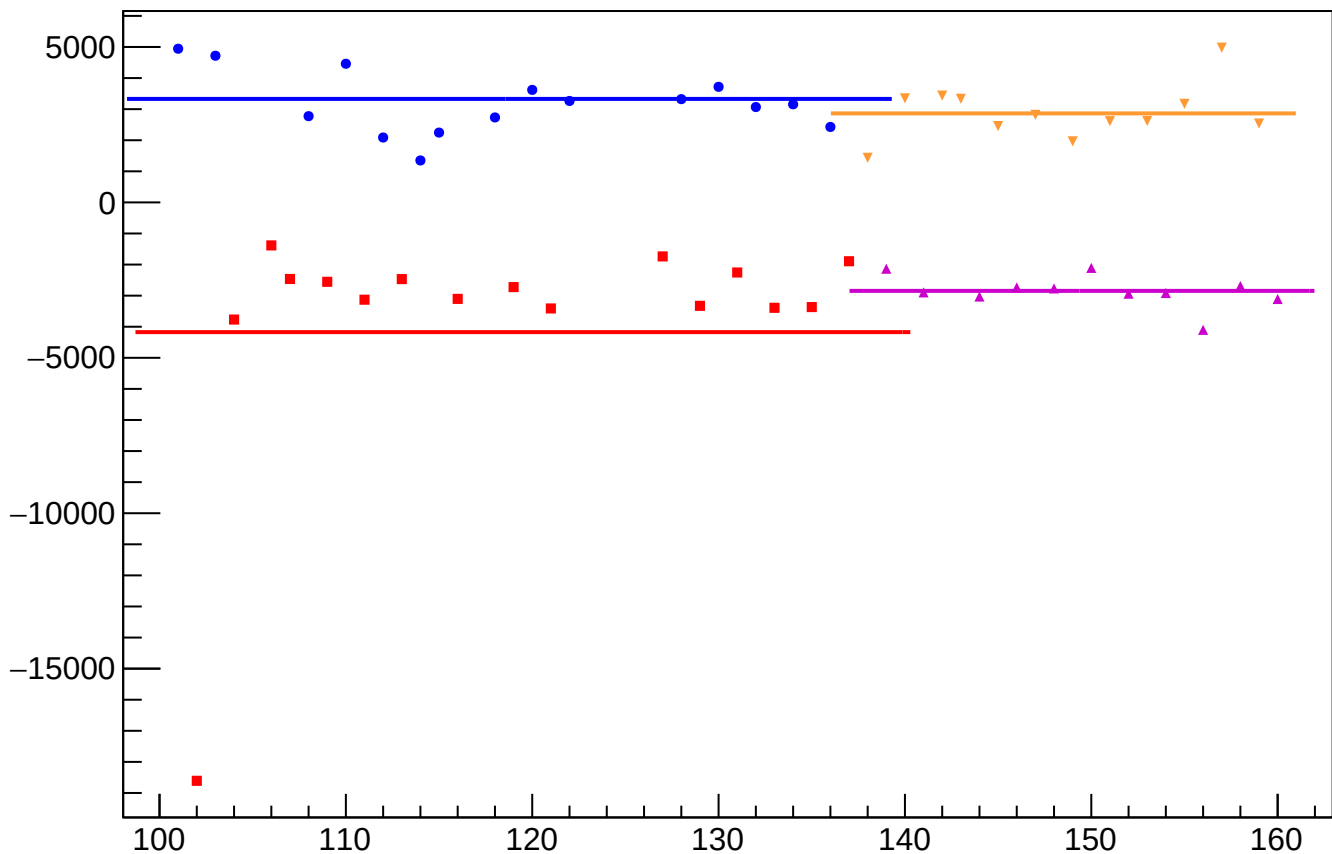
All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_atr2_coil7_mean vs Slug, Sign Corrected



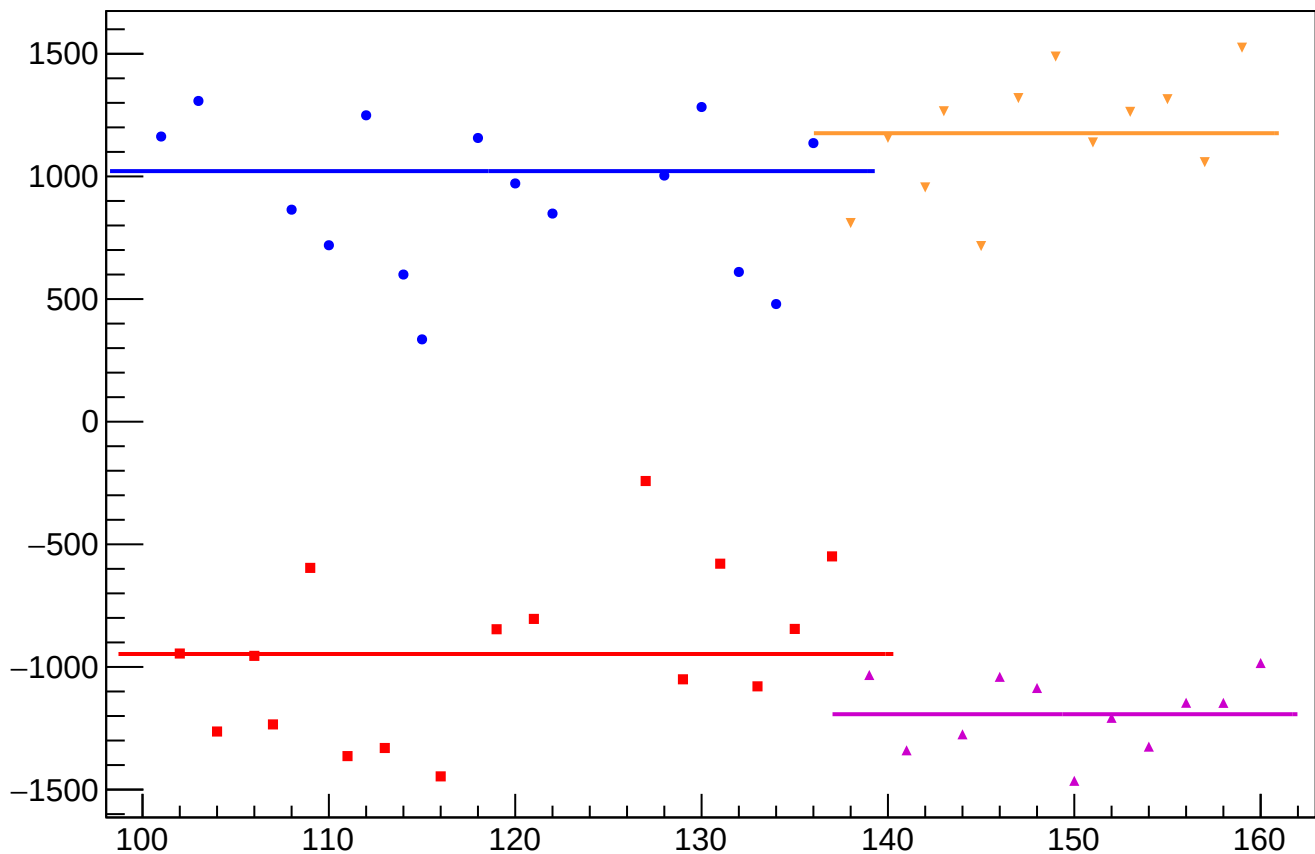
Right In: 121016.482 $\pm$ 0.000 χ^2 /NDF: 358713856404303554987784975983609668173824.0/14
 Left Out: 111166.801 $\pm$ 0.000 χ^2 /NDF: 167364192439388047212250461007969368670208.0/11
 Right Out: -120060.693 $\pm$ 0.000 χ^2 /NDF: 828419782346707601448620310014135952736256.0/15
 Left In: -117237.465 $\pm$ 0.000 χ^2 /NDF: 92299527706158063096544434206678792011776.0/10
 All: -2511.323 $\pm$ 0.000 χ^2 /NDF: 4457837354

dit_atr2_coil7_err_mean vs Slug, Sign Corrected



Right In: 3329.488 ± 0.000 $\chi^2/\text{NDF}: 567034774398456376227526824513721335808.0/14$
 Left Out: 2863.169 ± 0.000 $\chi^2/\text{NDF}: 668766817298044492245074854515224608768.0/11$
 Right Out: -4173.434 ± 0.000 $\chi^2/\text{NDF}: 13498246551537992400095003154682468106240.0/15$
 Left In: -2846.559 ± 0.000 $\chi^2/\text{NDF}: 229557109736682123603885764134616170496.0/10$
 All: -198.776 ± 0.000 $\chi^2/\text{NDF}: 48655252714$

dit_atr2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

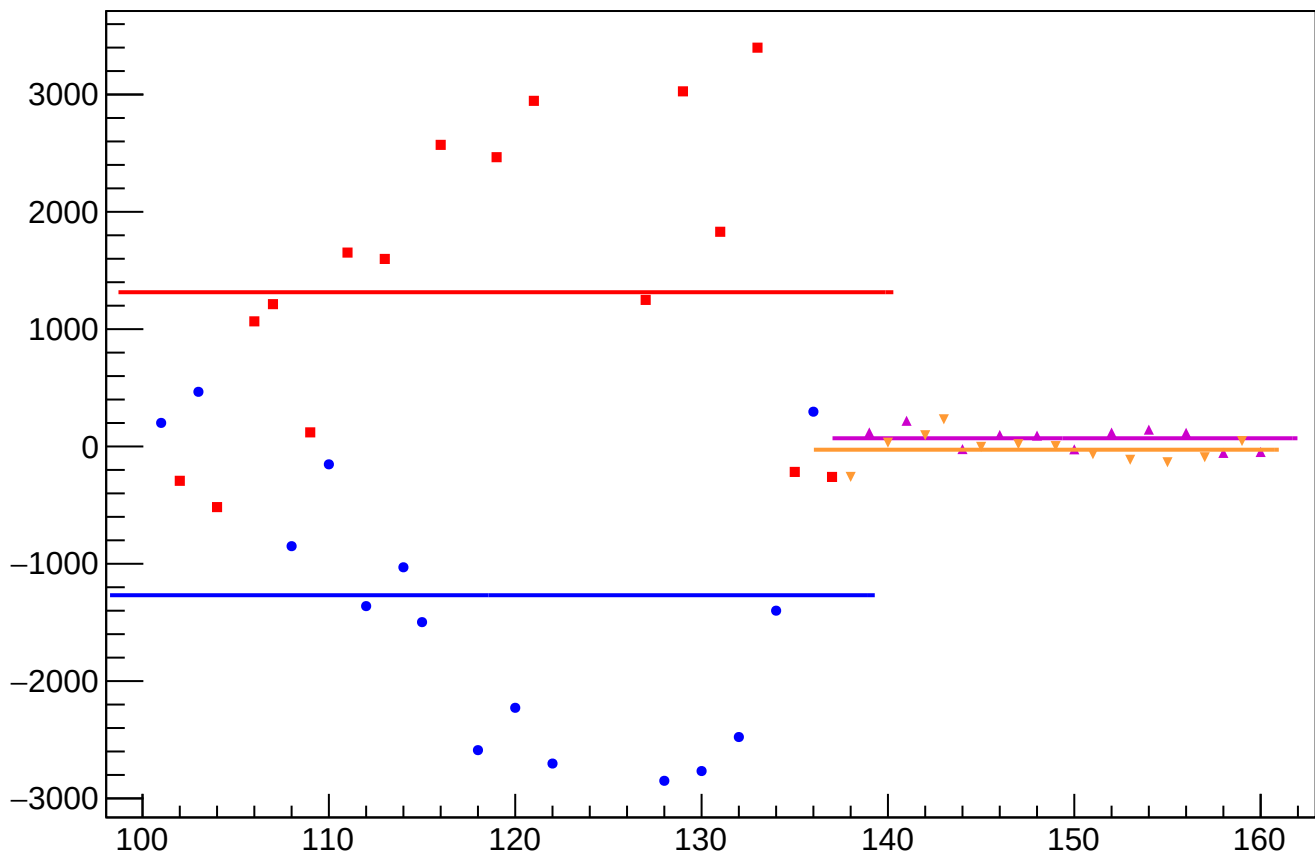
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

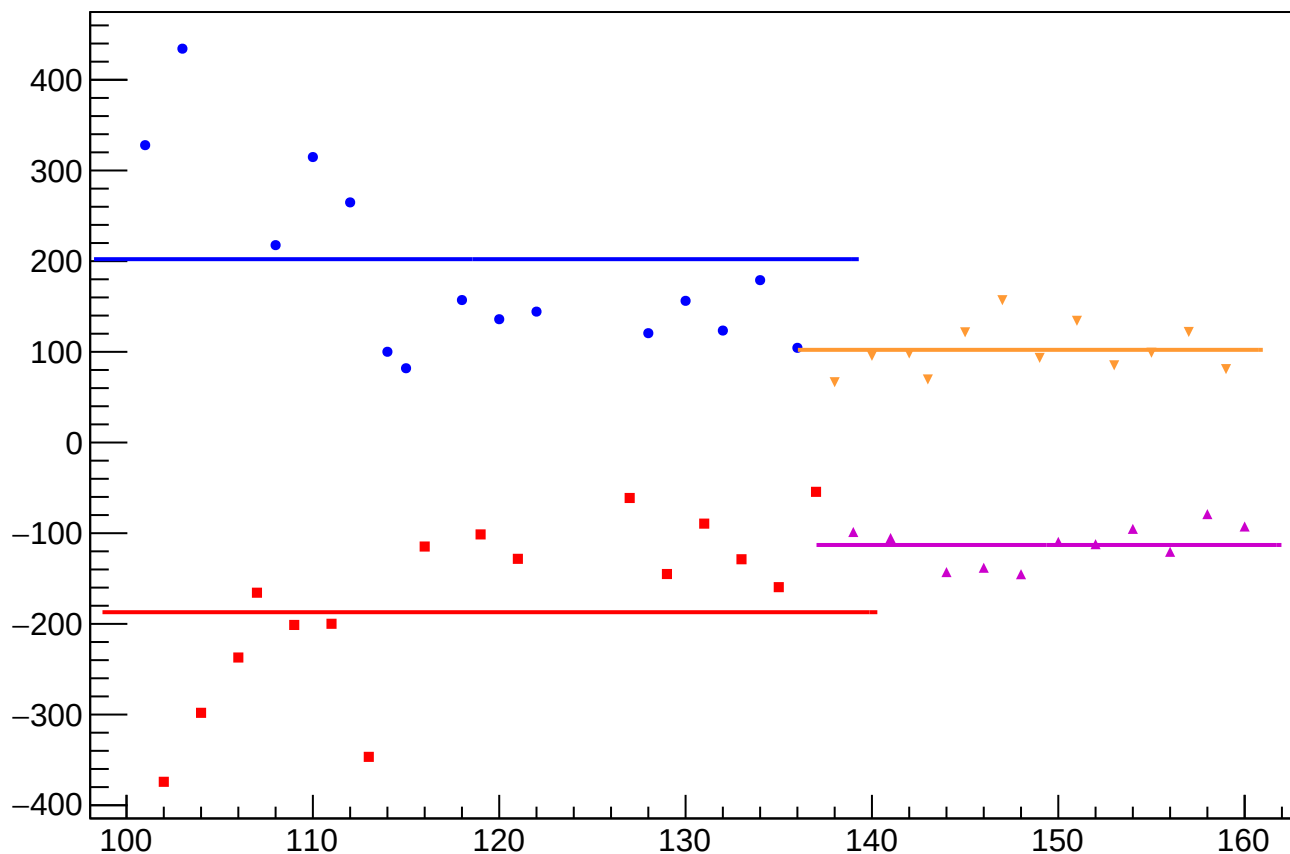
All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_sam1_coil7_mean vs Slug, Sign Corrected



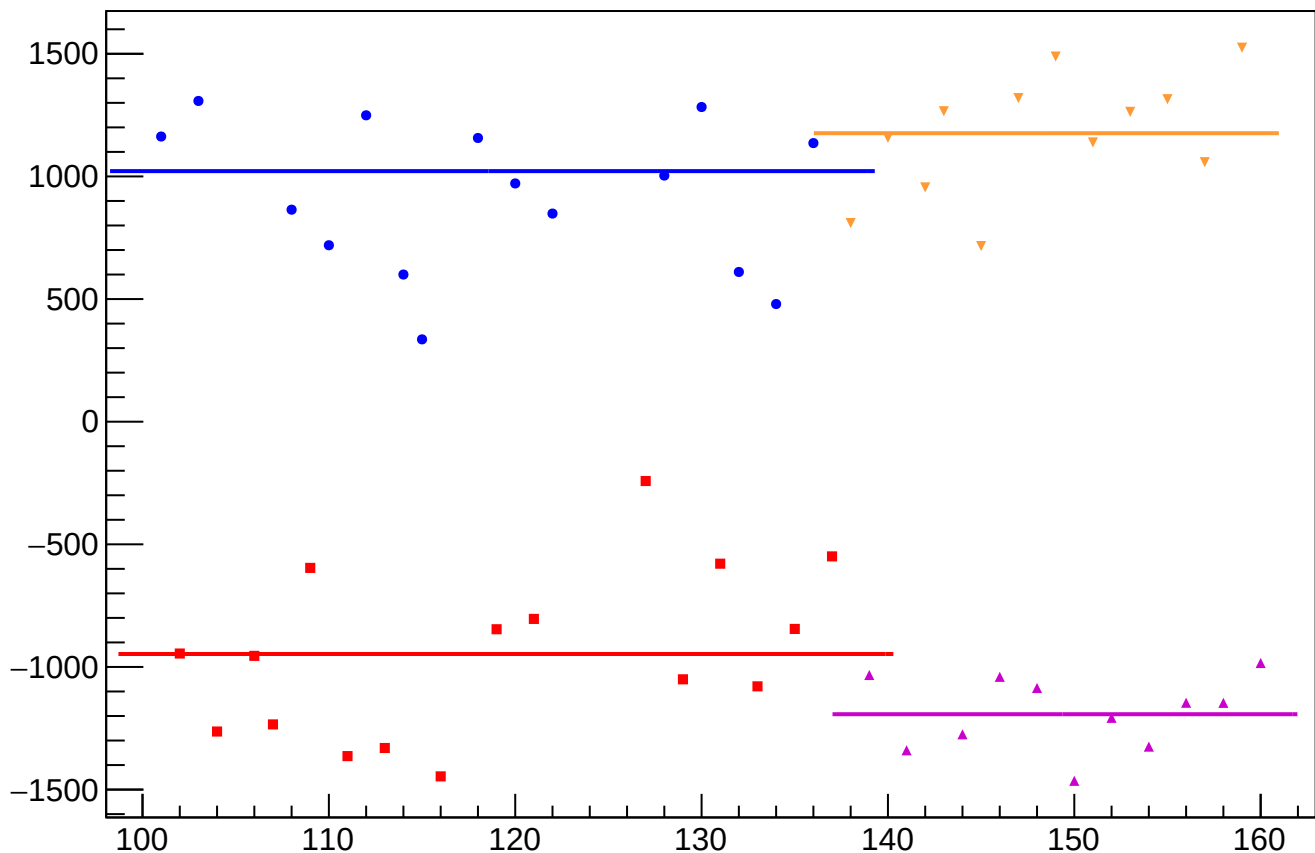
Left: 21.302 $\pm$ 0.000 χ^2 /NDF: 2367978487139292
 Right In: -1268.061 $\pm$ 0.000 χ^2 /NDF: 1092280760288833856070470490800647045120.0/14
 Right: 41.017 $\pm$ 0.000 χ^2 /NDF: 4385100658196815
 Left Out: -27.654 $\pm$ 0.000 χ^2 /NDF: 12404131617036288818573632516917297152.0/11
 In: -482.133 $\pm$ 0.000 χ^2 /NDF: 1781620225198016
 Right Out: 1314.767 $\pm$ 0.000 χ^2 /NDF: 1098471313864079013714609379653260935168.0/15
 Out: 537.620 $\pm$ 0.000 χ^2 /NDF: 1806729362503876
 Left In: 69.887 $\pm$ 0.000 χ^2 /NDF: 6896729055106095492675290775544659968.0/10
 All: 29.520 $\pm$ 0.000 χ^2 /NDF: 4409078738323

dit_sam1_coil7_err_mean vs Slug, Sign Corrected



Left: -5.794 ± 0.000 $\chi^2/\text{NDF}: 22329321836444331$
 Right In: 202.191 ± 0.000 $\chi^2/\text{NDF}: 7027941052752849066369040650615128064.0/14$
 Left Out: 102.211 ± 0.000 $\chi^2/\text{NDF}: 617349982651654313498458631453016064.0/11$
 Right Out: -187.126 ± 0.000 $\chi^2/\text{NDF}: 6230029491605524746936515809941389312.0/15$
 Left In: -112.981 ± 0.000 $\chi^2/\text{NDF}: 399082569166702797505998561799569408.0/10$
 All: -1.349 ± 0.000 $\chi^2/\text{NDF}: 8553091353048$

dit_sam1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

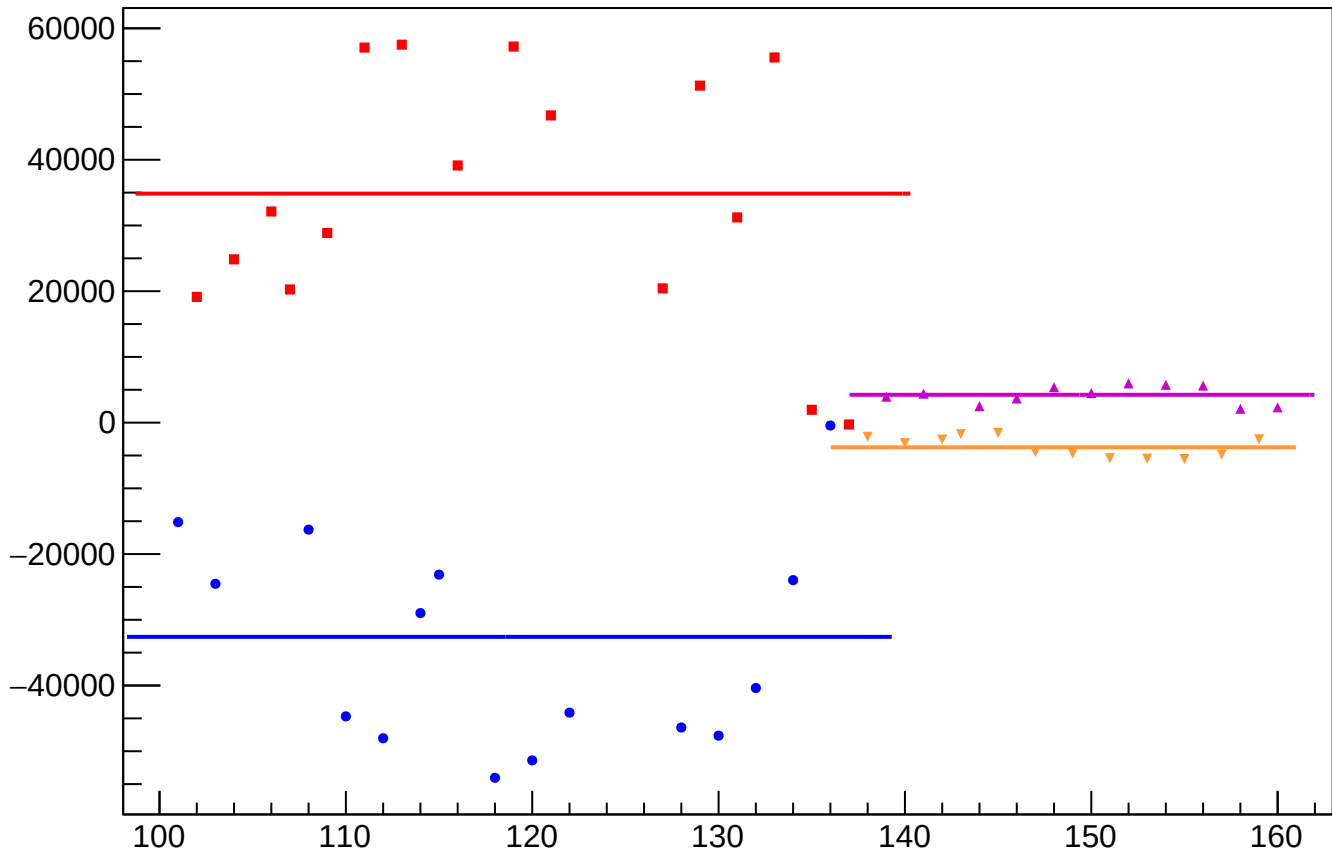
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_sam2_coil7_mean vs Slug, Sign Corrected



Right In: -32594.962 +/- 0.000

χ^2/NDF : 209150369207000564489724529020922520141824.0/14

Left Out: -3752.448 +/- 0.000

χ^2/NDF : 2004018922397864512506251751982968602624.0/11

Right Out: 34848.046 +/- 0.000

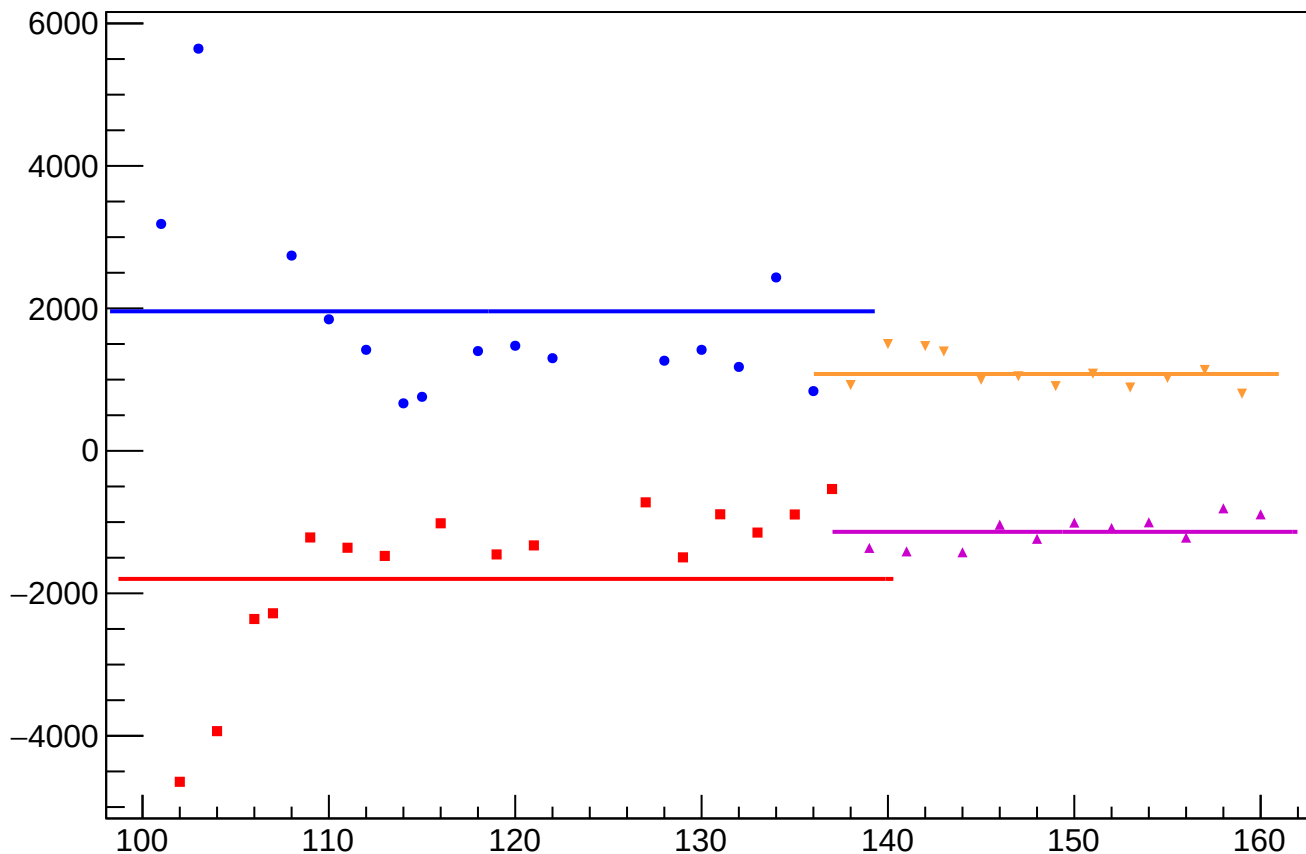
χ^2/NDF : 221127702024811719232559434097324967591936.0/15

Left In: 4238.758 +/- 0.000

χ^2/NDF : 1676258877466067471746283067125033598976.0/10

All: 812.523 +/- 0.000 χ^2/NDF : 196090157662.0/40

dit_sam2_coil7_err_mean vs Slug, Sign Corrected



Right In: 1958.835+/-0.000

χ^2/NDF : 1189322999631358431600643692981190131712.0/14

Left Out: 1079.227+/-0.000

χ^2/NDF : 42839458661255724609894406058462412800.0/11

Right Out: -1797.392+/-0.000

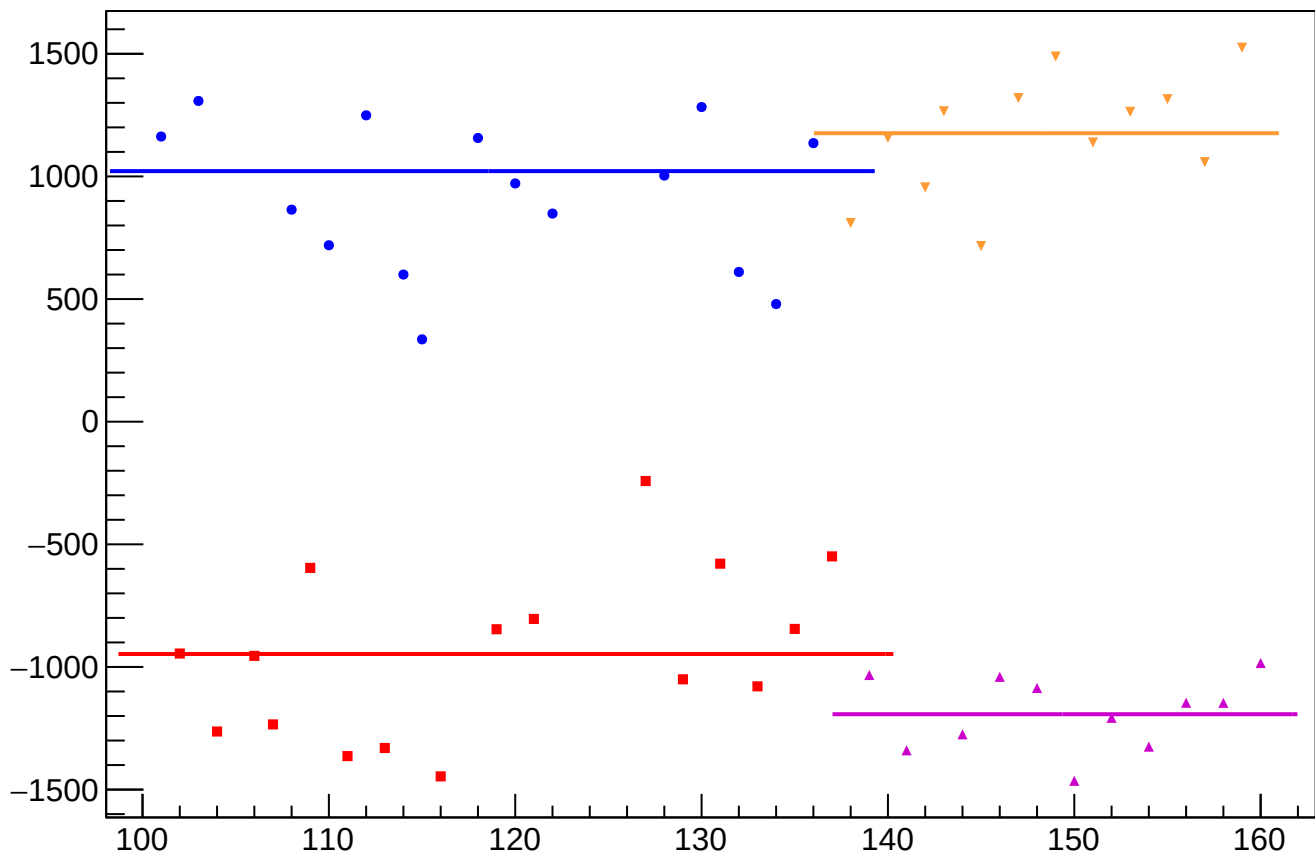
χ^2/NDF : 955096623879958195657195074614240215040.0/15

Left In: -1136.738+/-0.000

χ^2/NDF : 36660640388160233770492299797174681600.0/10

All: 3.715+/-0.000 χ^2/NDF : 91309588323558

dit_sam2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

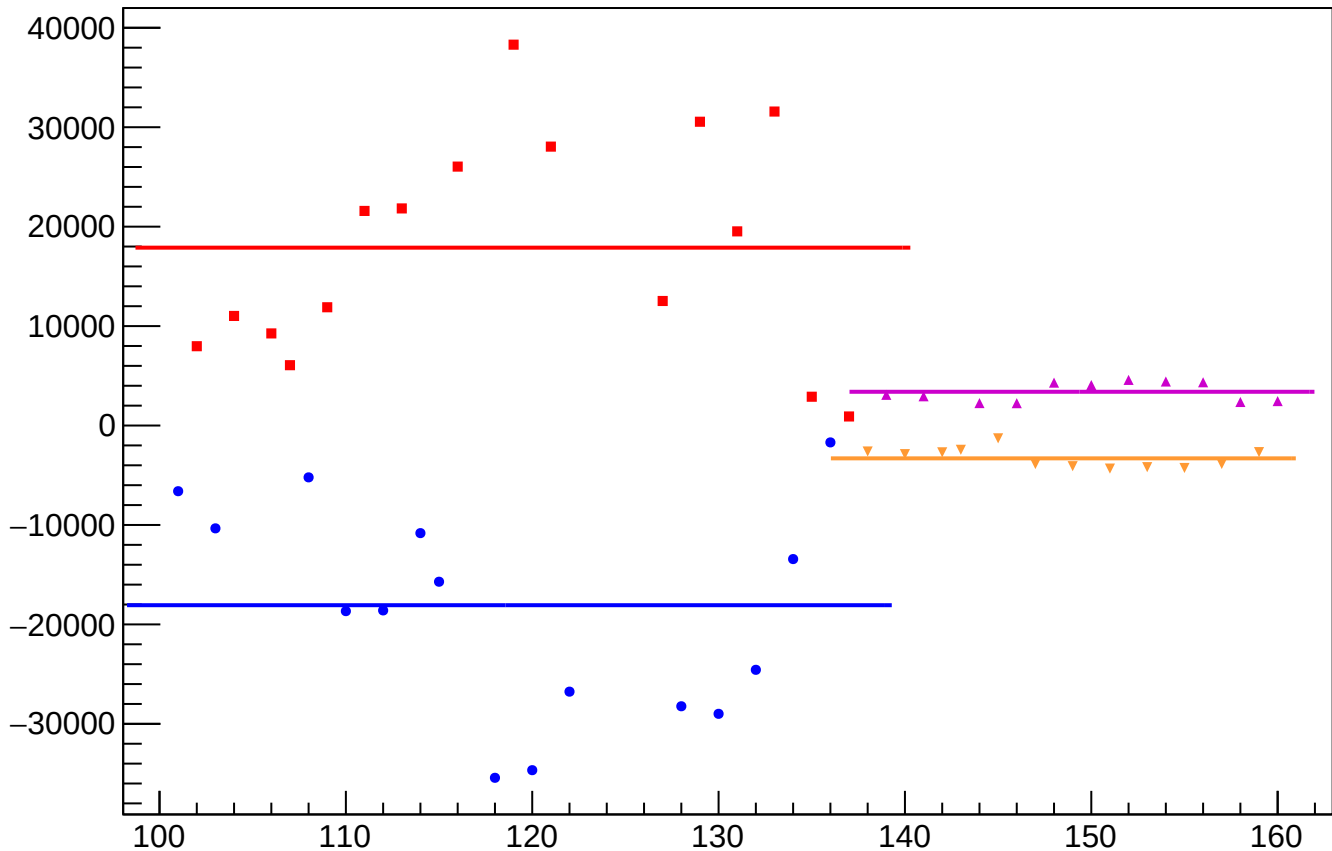
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

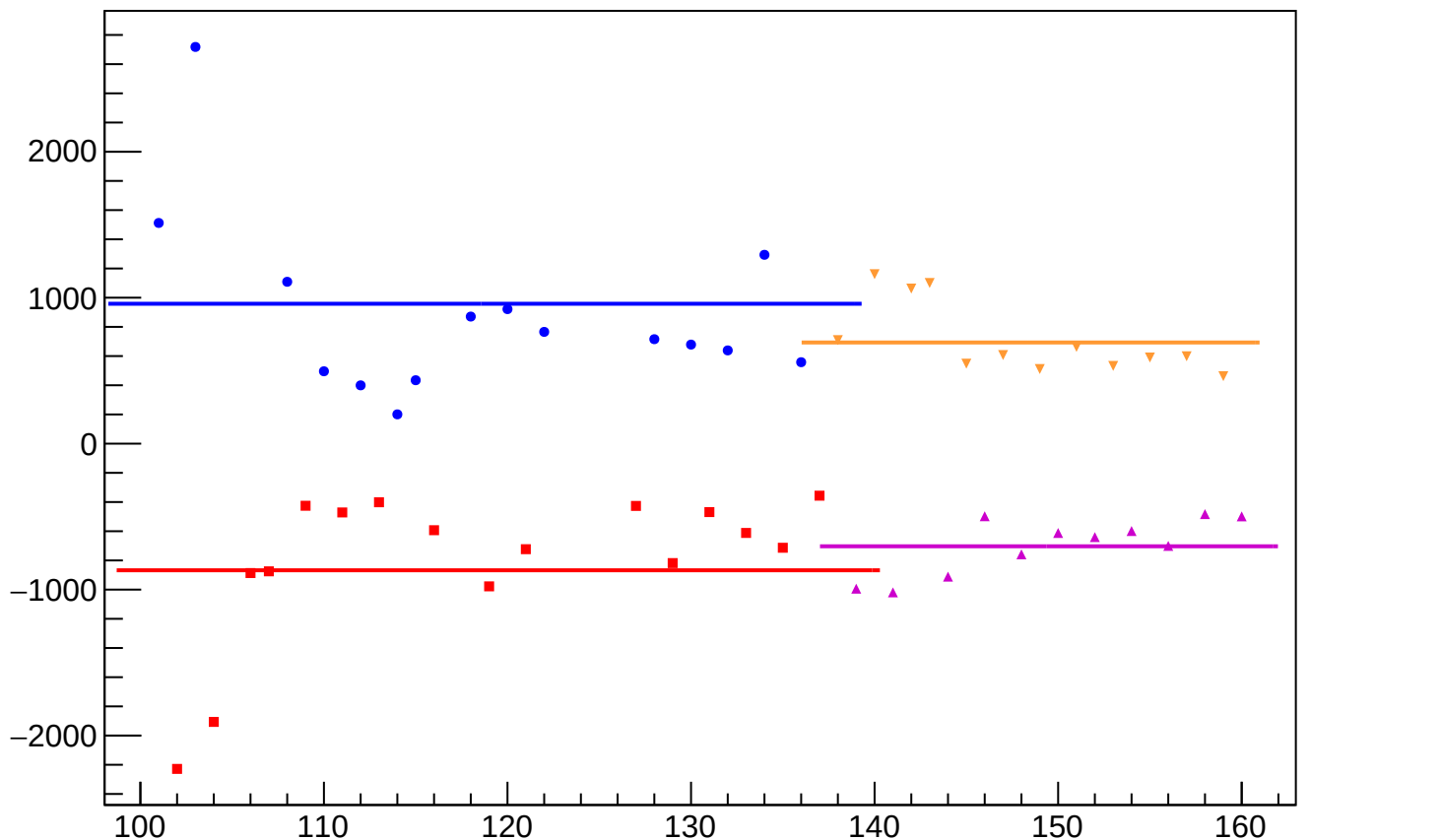
All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_sam3_coil7_mean vs Slug, Sign Corrected



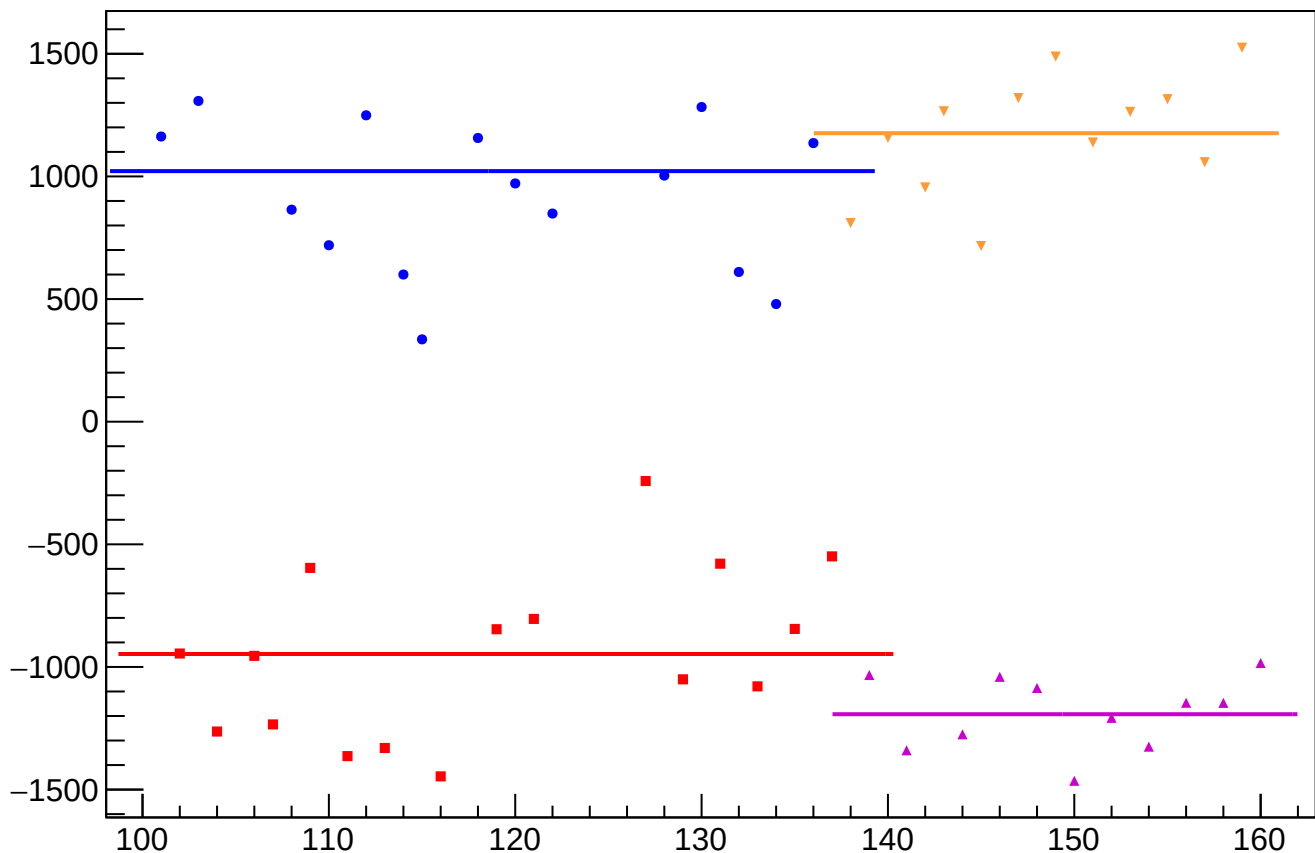
Left: 59.316+/-0.000 χ^2/NDF : 22242147628214783
 Right In: -18068.550+/-0.000 χ^2/NDF : 84312156443533553417760933497753760169984.0/14
 Left Out: -3301.165+/-0.000 χ^2/NDF : 804572006868088518224503479729974673408.0/11
 Right Out: 17888.149+/-0.000 χ^2/NDF : 78405915612914252869875231068795393015808.0/15
 In: -5460.979+/-0.000 χ^2/NDF : 260733217471185
 Out: 5621.355+/-0.000 χ^2/NDF : 252580420870454
 Left In: 3394.339+/-0.000 χ^2/NDF : 804969095824057391704293669390893711360.0/10
 All: 99.495+/-0.000 χ^2/NDF : 6102466696824

dit_sam3_coil7_err_mean vs Slug, Sign Corrected



Right In: 958.411+/-0.000 χ^2/NDF : 264733105058522822278137197070739570688.0/14
 Left Out: 693.081+/-0.000 χ^2/NDF : 48514734468503708126538641267241254912.0/11
 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: 9.246+/-0.000 χ^2/NDF : 25566468703042

dit_sam3_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

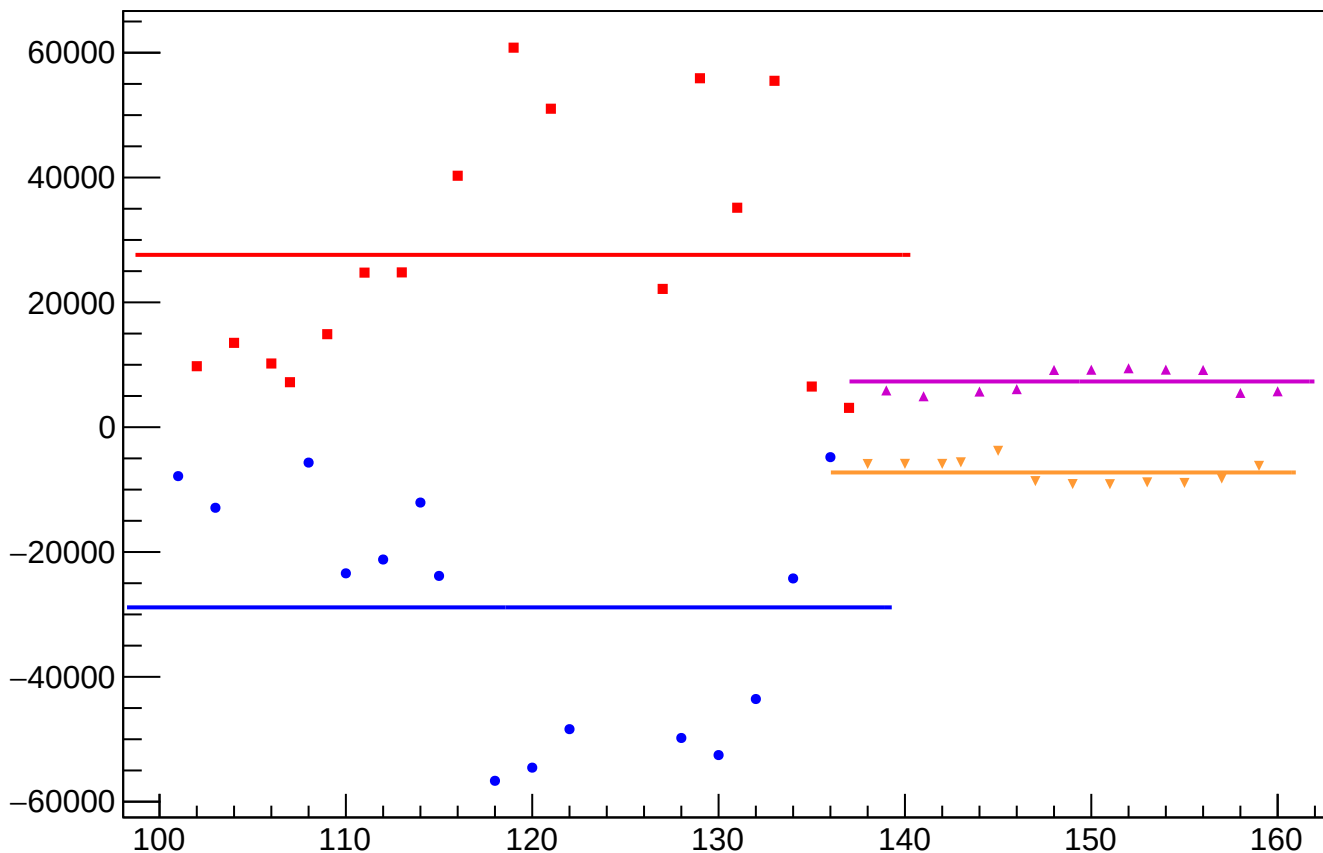
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

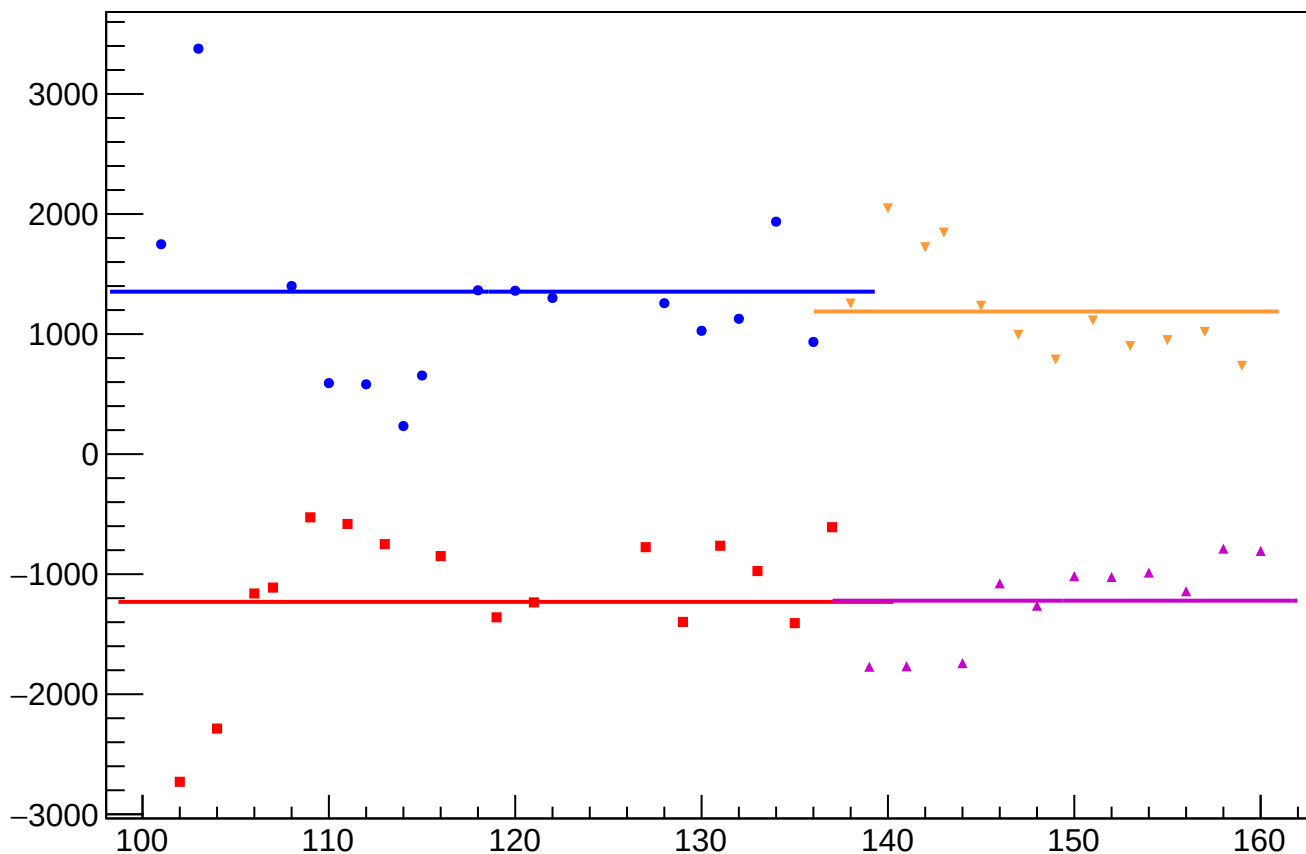
All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_sam4_coil7_mean vs Slug, Sign Corrected



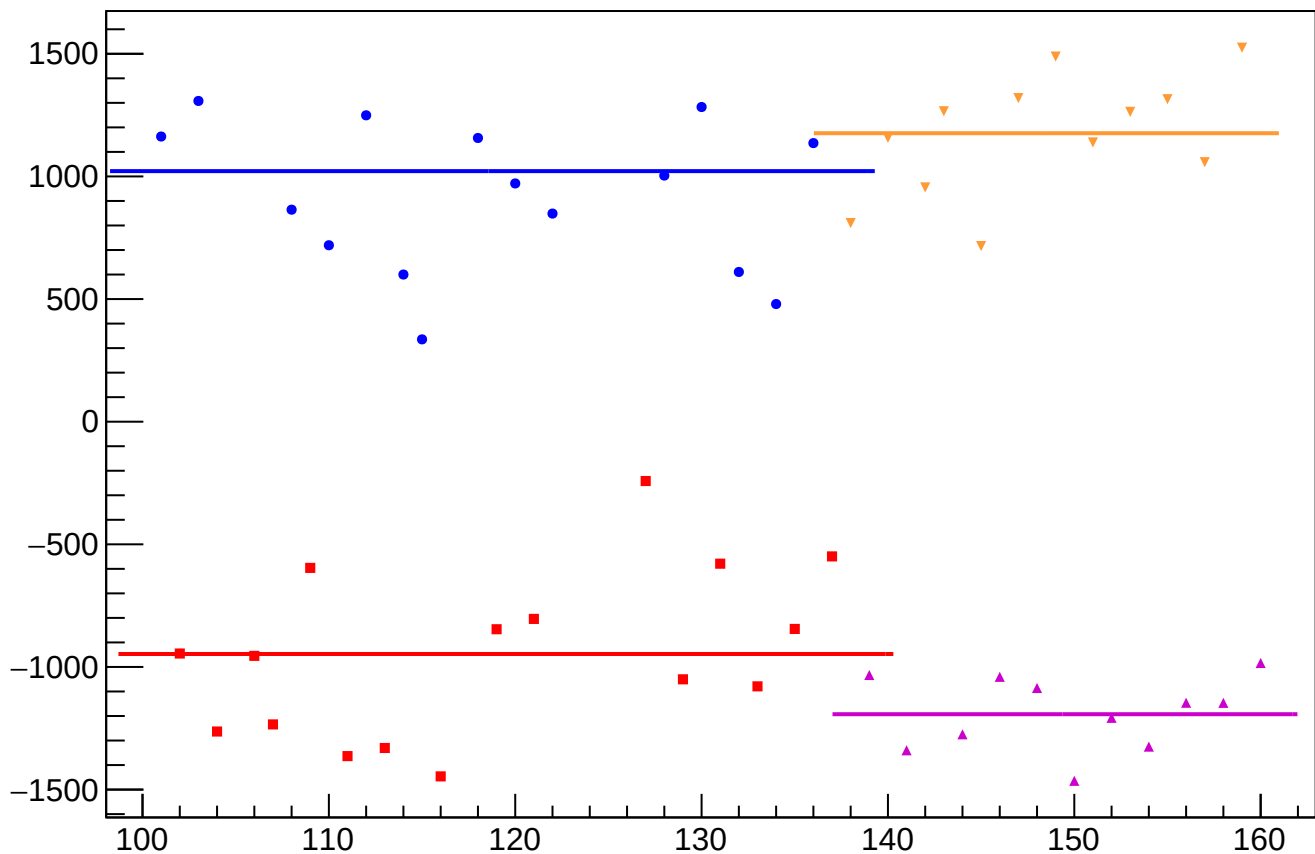
Right In: -28868.624+/-0.000 χ^2/NDF : 261450701095727362961367657926584124309504.0/14
 Left: 63.226+/-0.000 χ^2/NDF : 10372430955586819
 Right: -242.630+/-0.000 χ^2/NDF : 15588395560755
 Left Out: -7254.077+/-0.000 χ^2/NDF : 2852558880492321663467062466027223777280.0/11
 In: -7607.978+/-0.000 χ^2/NDF : 763903396757370
 Right Out: 27610.848+/-0.000 χ^2/NDF : 248097983477523504935751571384400118546432.0/15
 Out: 7427.050+/-0.000 χ^2/NDF : 720322837766994
 Left In: 7325.095+/-0.000 χ^2/NDF : 3045991167952377112422516937599716687872.0/10
 All: -64.270+/-0.000 χ^2/NDF : 166263565673

dit_sam4_coil7_err_mean vs Slug, Sign Corrected



Right In: 1353.413+/-0.000 χ^2/NDF : 352887966702770713373861839880553758720.0/14
 Left Out: 1188.374+/-0.000 χ^2/NDF : 150388636614326916750918220287509004288.0/11
 Right Out: -1230.633+/-0.000 χ^2/NDF : 276989454129150005656872744539903754240.0/15
 Left In: -1220.761+/-0.000 χ^2/NDF : 116296897250486719965341990830940880896.0/10
 All: 6.110+/-0.000 χ^2/NDF : 57673933772965

dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

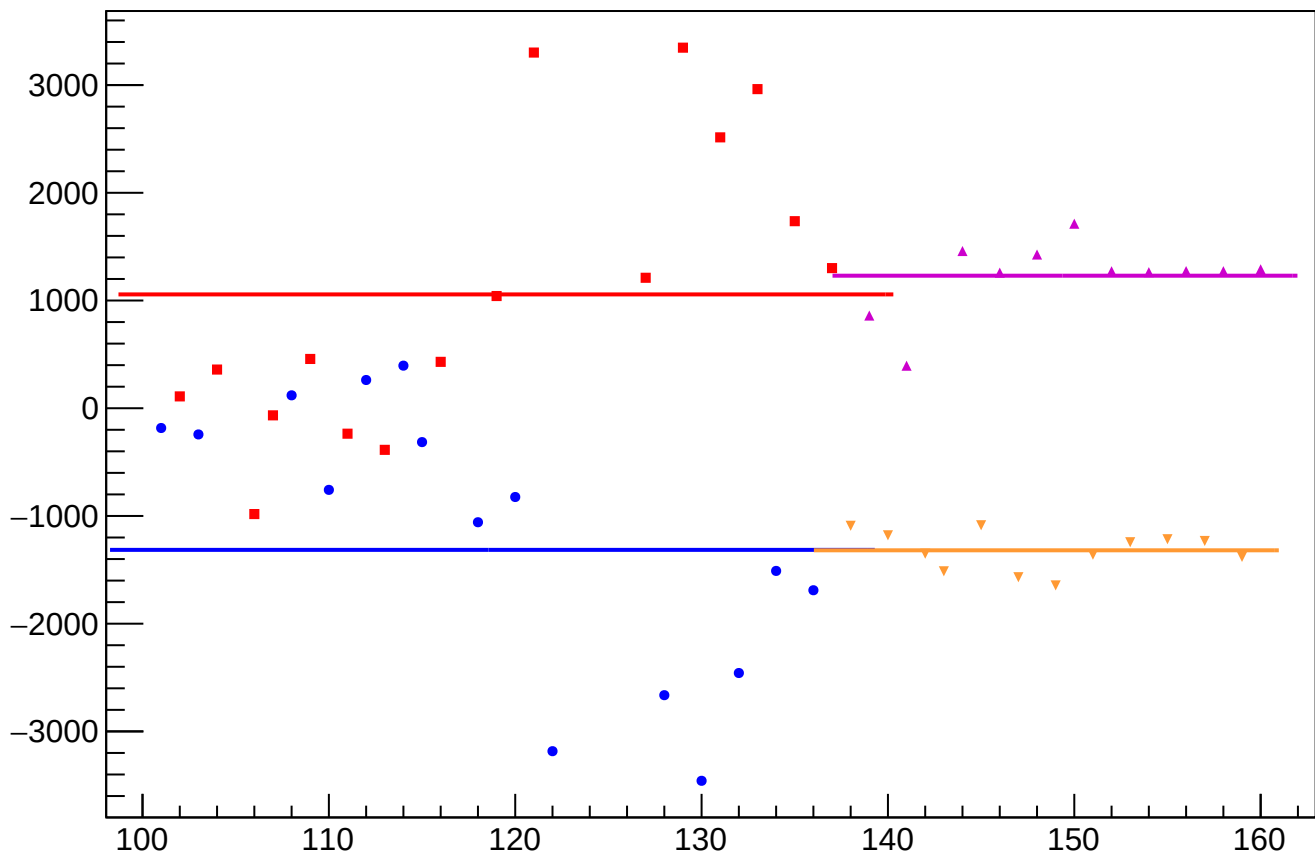
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_sam5_coil7_mean vs Slug, Sign Corrected



Right In: -1314.782+/-0.000

Left Out: -1318.814+/-0.000

Right Out: 1056.765+/-0.000

Left In: 1230.430+/-0.000

χ^2/NDF : 966082368518203481544021644405645508608.0/14

χ^2/NDF : 28738856775554340954745144784441049088.0/11

χ^2/NDF : 1127141594187417021949832477353286041600.0/15

χ^2/NDF : 100431691068850056086409132460520505344.0/10

Left: -39.345+/-0.000 χ^2/NDF : 3120127599726201

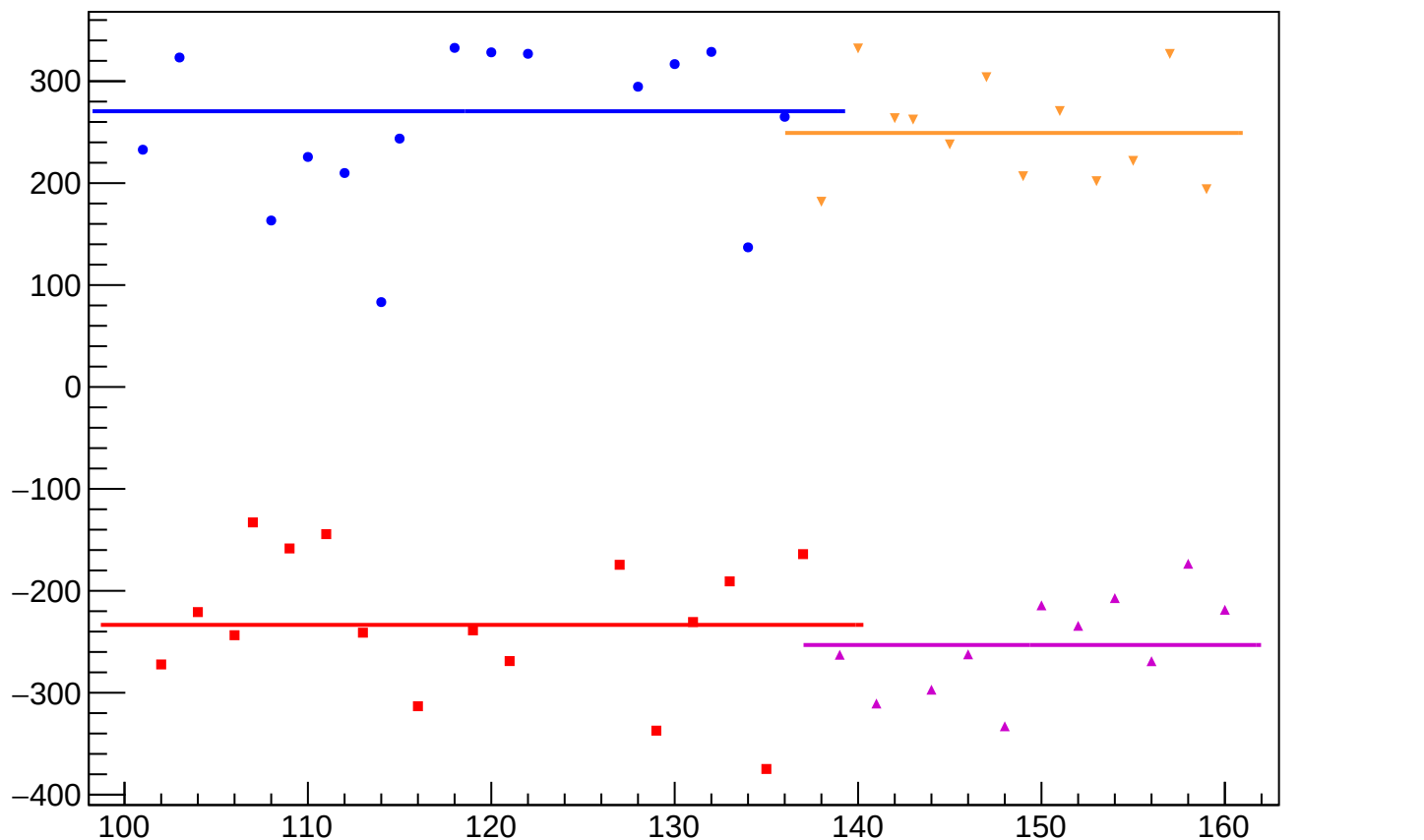
Right: -112.789+/-0.000 χ^2/NDF : 39432514405702

In: 180.308+/-0.000 χ^2/NDF : 35361660763294785

Out: -318.491+/-0.000 χ^2/NDF : 333498948748990

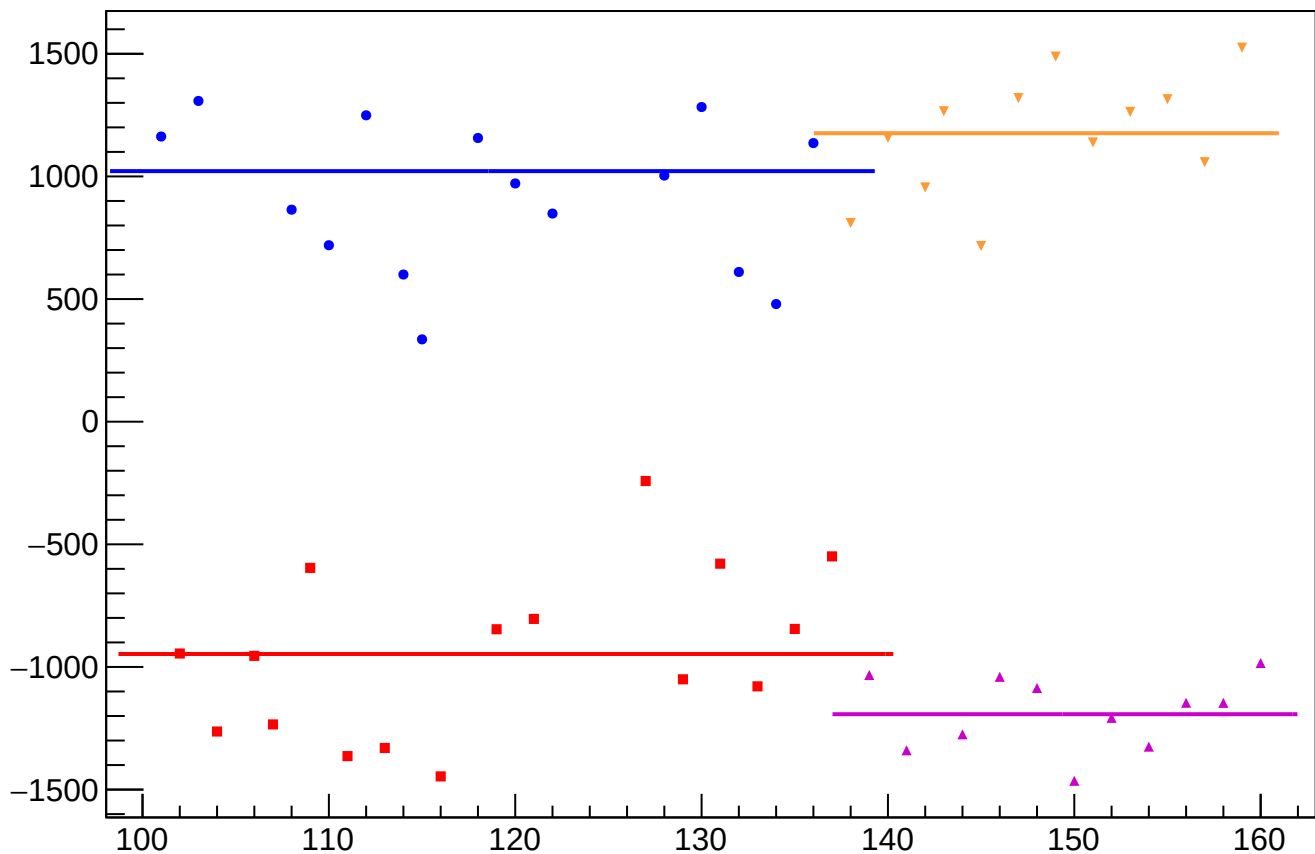
All: -69.961+/-0.000 χ^2/NDF : 706751853981

dit_sam5_coil7_err_mean vs Slug, Sign Corrected



Right In: 270.538 $\pm$ 0.000 χ^2 /NDF: 2473839905347950323907848405170257920.0/14
 Left Out: 249.237 $\pm$ 0.000 χ^2 /NDF: 2339906474360292493064044354333573120.0/11
 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: 4.603 $\pm$ 0.000 χ^2 /NDF: 20979376563720

dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

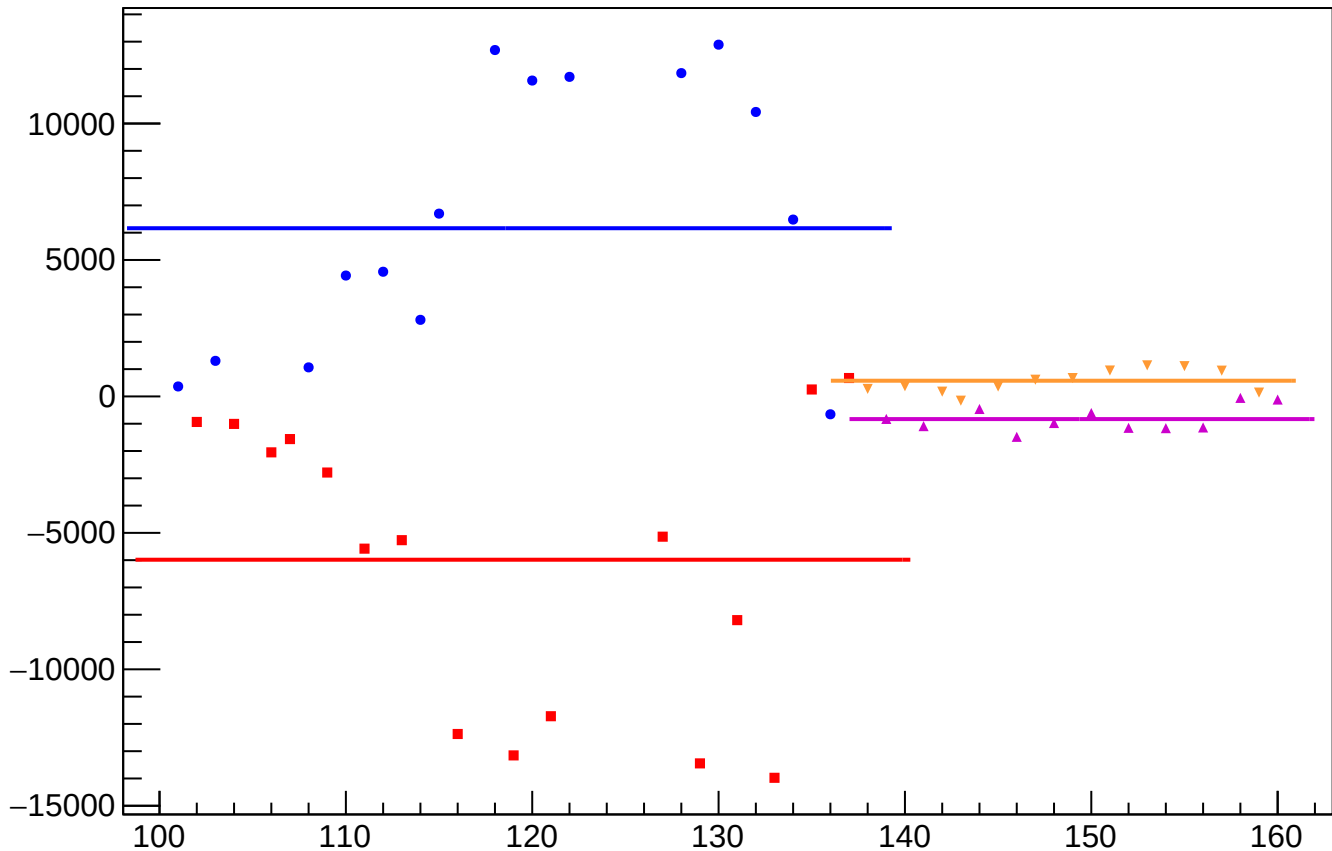
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

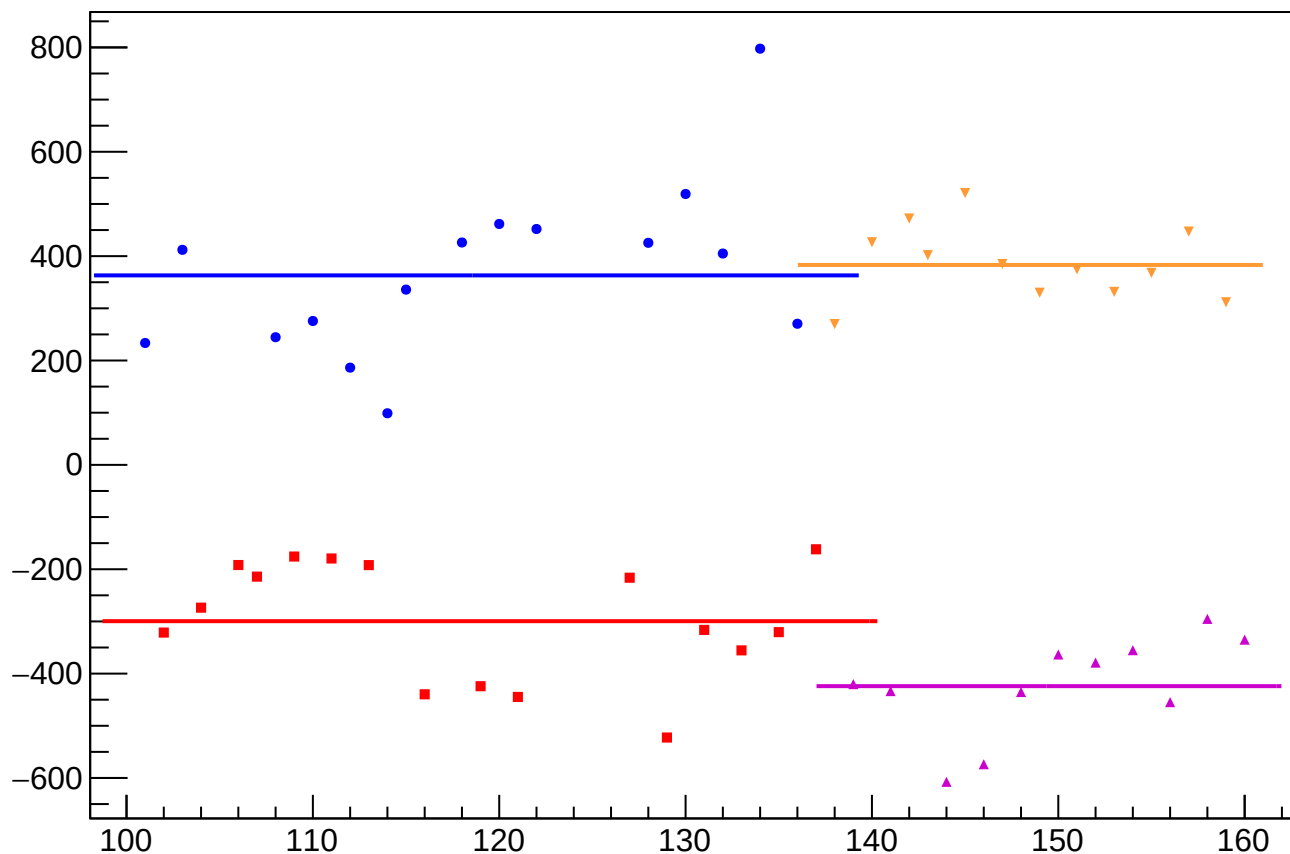
All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_sam6_coil7_mean vs Slug, Sign Corrected



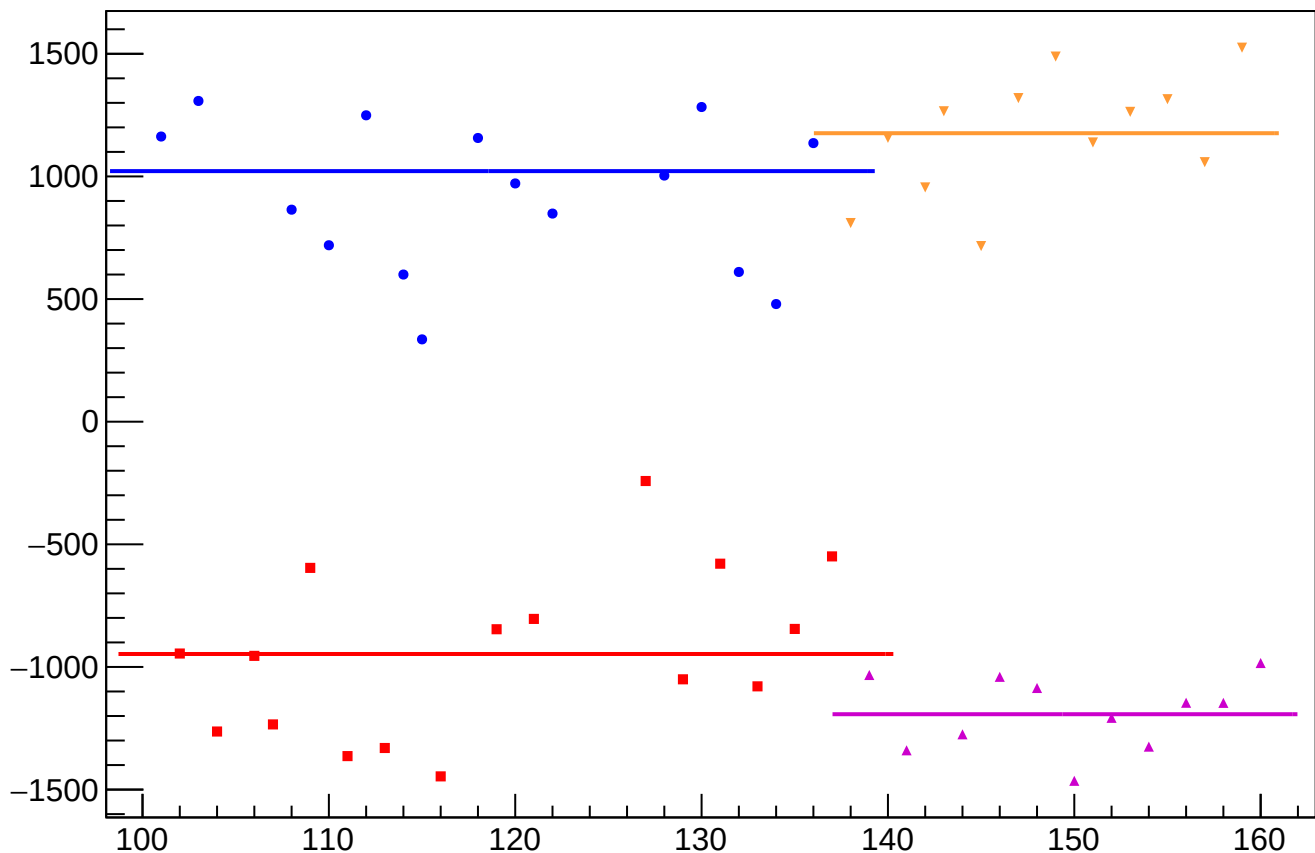
Right In: 6163.445+/-0.000 χ^2/NDF : 18200622549026770504746300139009854144512.0/14
 Left Out: 575.396+/-0.000 χ^2/NDF : 144552913228066781625188443355564998656.0/11
 Right Out: -5983.876+/-0.000 χ^2/NDF : 17505201913276273559161088764155841740800.0/15
 Left In: -830.587+/-0.000 χ^2/NDF : 172337092403726273197356020615128023040.0/10
 All: -73.169+/-0.000 χ^2/NDF : 854842243491

dit_sam6_coil7_err_mean vs Slug, Sign Corrected



Right In: 363.133 $\pm$ 0.000 χ^2 /NDF: 11502791697076456426435998277995331584.0/14
 Left Out: 383.139 $\pm$ 0.000 χ^2 /NDF: 4300109581526268747828208718091124736.0/11
 Right Out: -299.514 $\pm$ 0.000 χ^2 /NDF: 7685497318744225218354652828984672256.0/15
 Left In: -424.034 $\pm$ 0.000 χ^2 /NDF: 7812894231718086106241094868881375232.0/10
 All: -1.448 $\pm$ 0.000 χ^2 /NDF: 4774625477045

dit_sam6_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 1925528738372820562654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

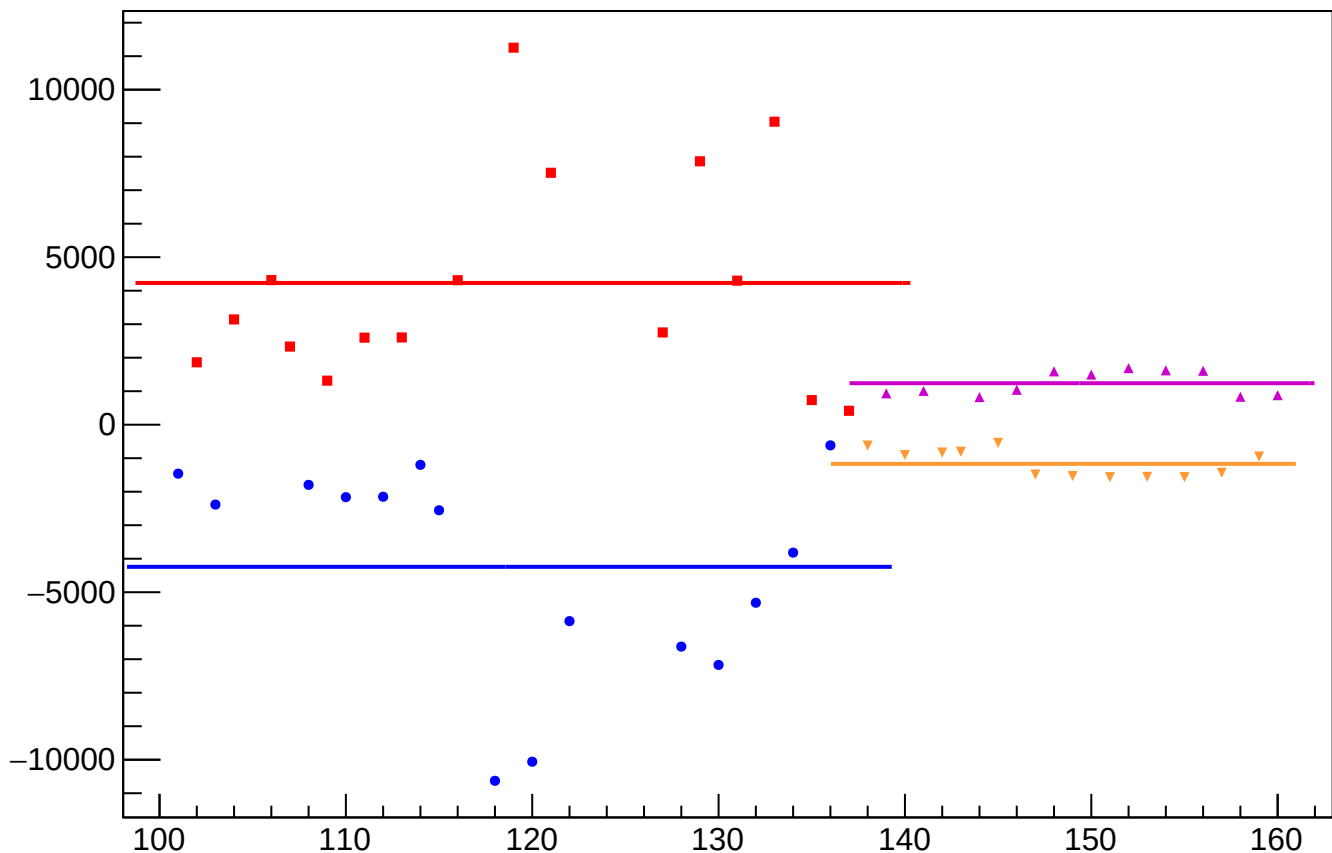
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_sam7_coil7_mean vs Slug, Sign Corrected



Right In: -4242.174 $\pm$ 0.000

χ^2/NDF : 6783472272174151371145601081742110752768.0/14

Left Out: -1167.950 $\pm$ 0.000

χ^2/NDF : 140593267041981181070281289588583432192.0/11

Right Out: 4230.978 $\pm$ 0.000

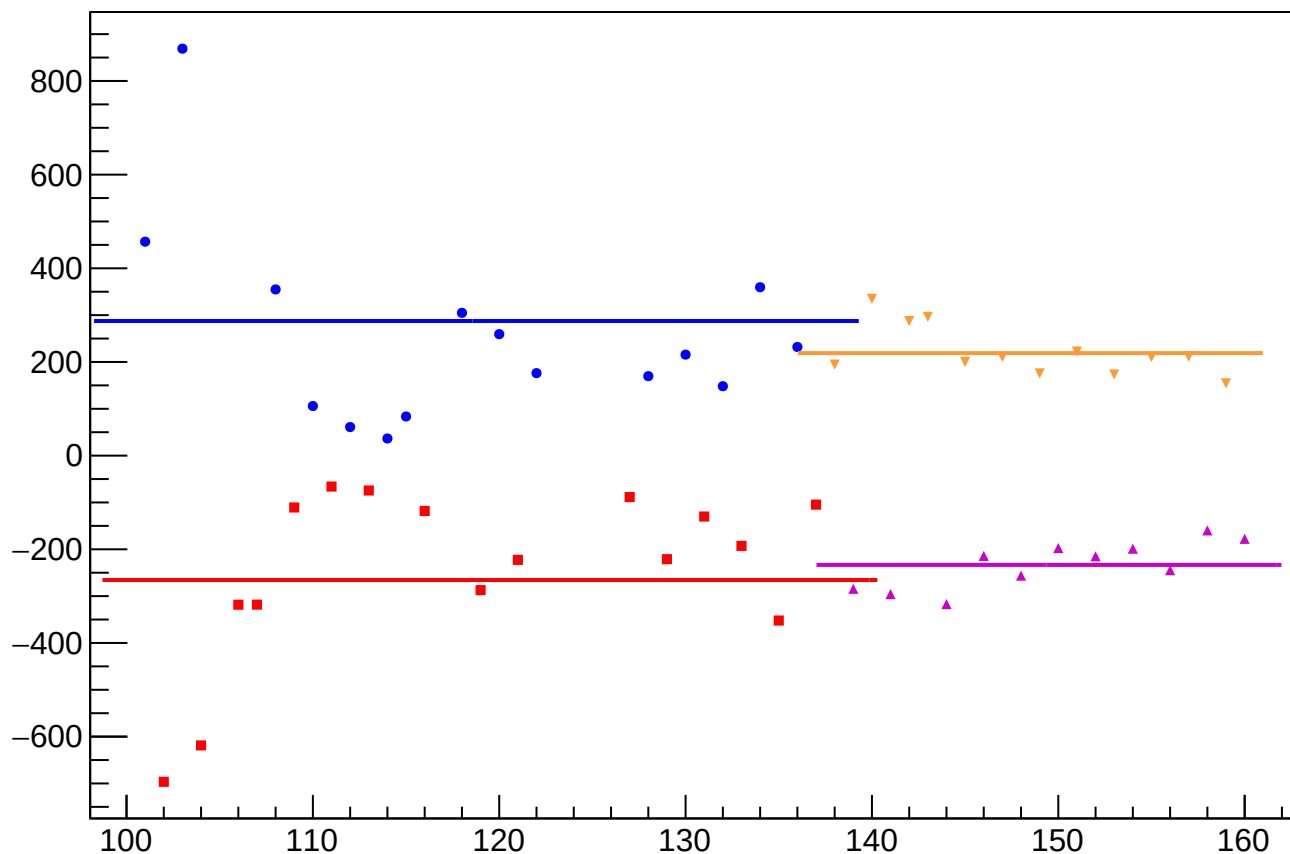
χ^2/NDF : 6682409528103016752204343573740930465792.0/15

Left In: 1238.776 $\pm$ 0.000

χ^2/NDF : 111339045659652616720712870833504124928.0/10

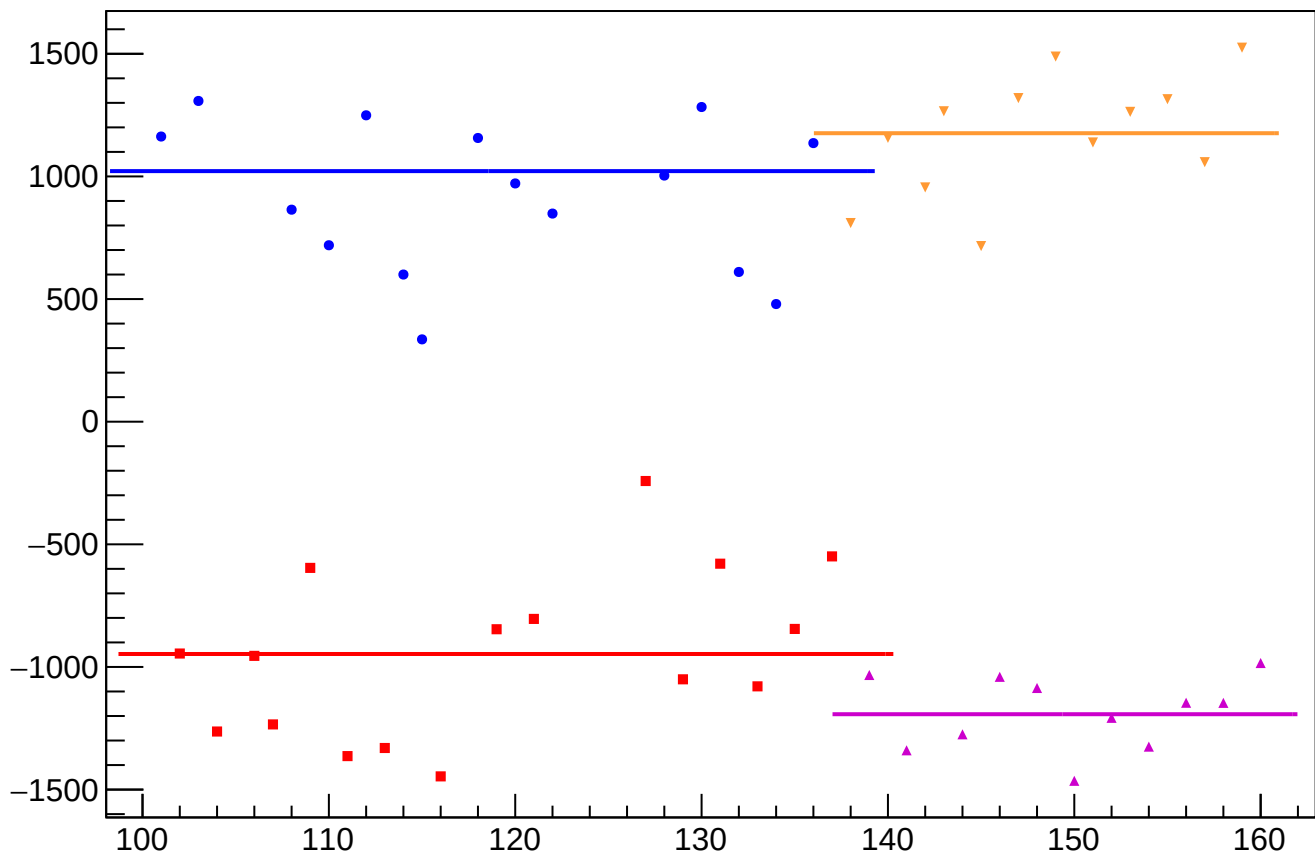
All: 45.141 $\pm$ 0.000 χ^2/NDF : 3999972440310

dit_sam7_coil7_err_mean vs Slug, Sign Corrected



Right In: 287.460 ± 0.000 $\chi^2/\text{NDF}: 29517044144826155936619151581366976512.0/14$
 Left Out: 218.953 ± 0.000 $\chi^2/\text{NDF}: 2475213997163419950481199473566416896.0/11$
 Right Out: -265.593 ± 0.000 $\chi^2/\text{NDF}: 25843263106329059274985499259066908672.0/15$
 Left In: -233.397 ± 0.000 $\chi^2/\text{NDF}: 2171341737989359237753599766499950592.0/10$
 All: -1.732 ± 0.000 $\chi^2/\text{NDF}: 2549717132605$

dit_sam7_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

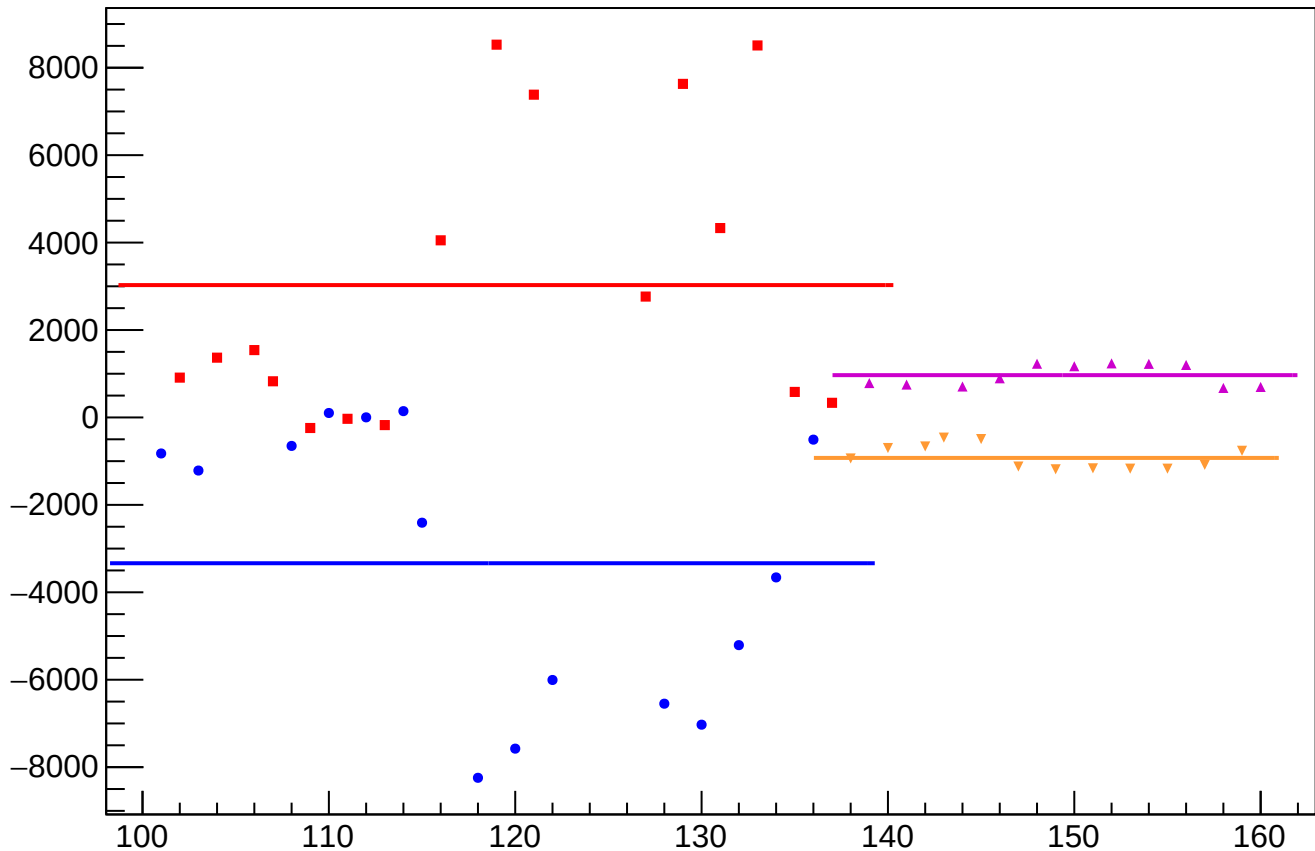
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 1925528738372820562654022867381911552.0/10

All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_sam8_coil7_mean vs Slug, Sign Corrected



Right In: -3335.273+/-0.000

χ^2/NDF : 6338087251589637529030075517152423575552.0/14

Left Out: -925.824+/-0.000

χ^2/NDF : 64067799071771654441544775824759062528.0/11

Right Out: 3027.603+/-0.000

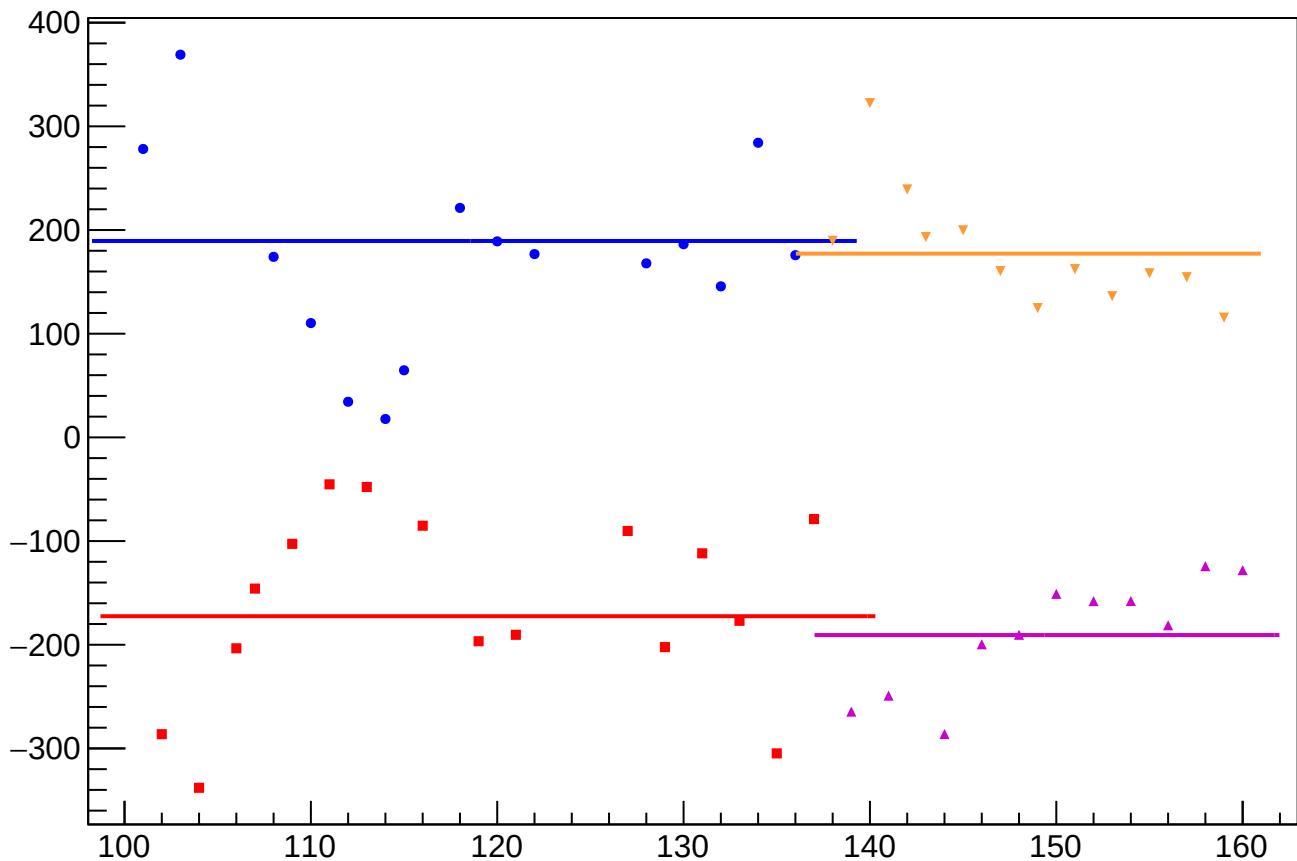
χ^2/NDF : 7086157086694396583090903767581326311424.0/15

Left In: 967.568+/-0.000

χ^2/NDF : 51461881619401718567497787720865939456.0/10

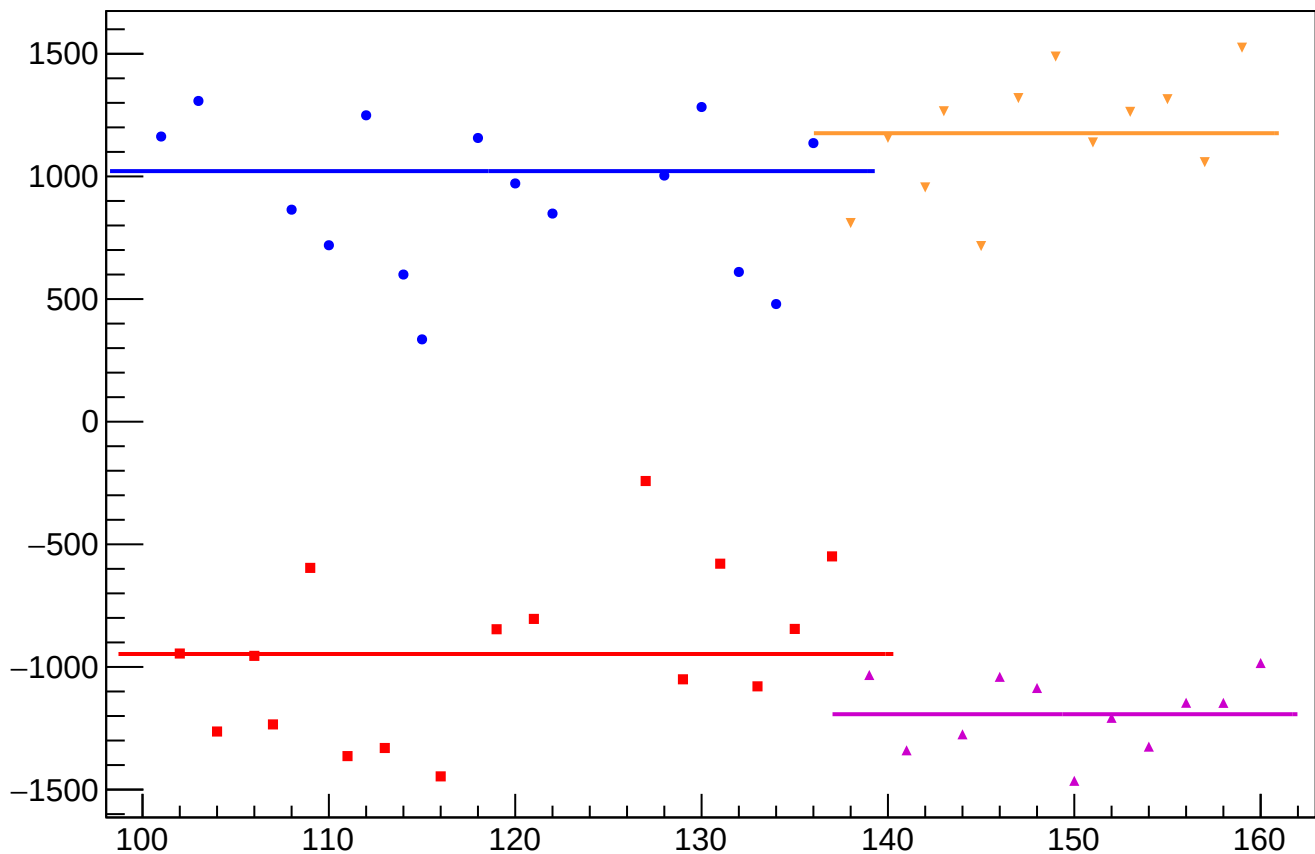
All: -31.716+/-0.000 χ^2/NDF : 285211212597

dit_sam8_coil7_err_mean vs Slug, Sign Corrected



Right In: 189.442 +/- 0.000 χ^2/NDF : 4707234253929700721726064108794544128.0/14
 Left Out: 177.229 +/- 0.000 χ^2/NDF : 2763689981014700365307320120704499712.0/11
 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: -1.816 +/- 0.000 χ^2/NDF : 1211116539519

dit_sam8_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 1925528738372820562654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

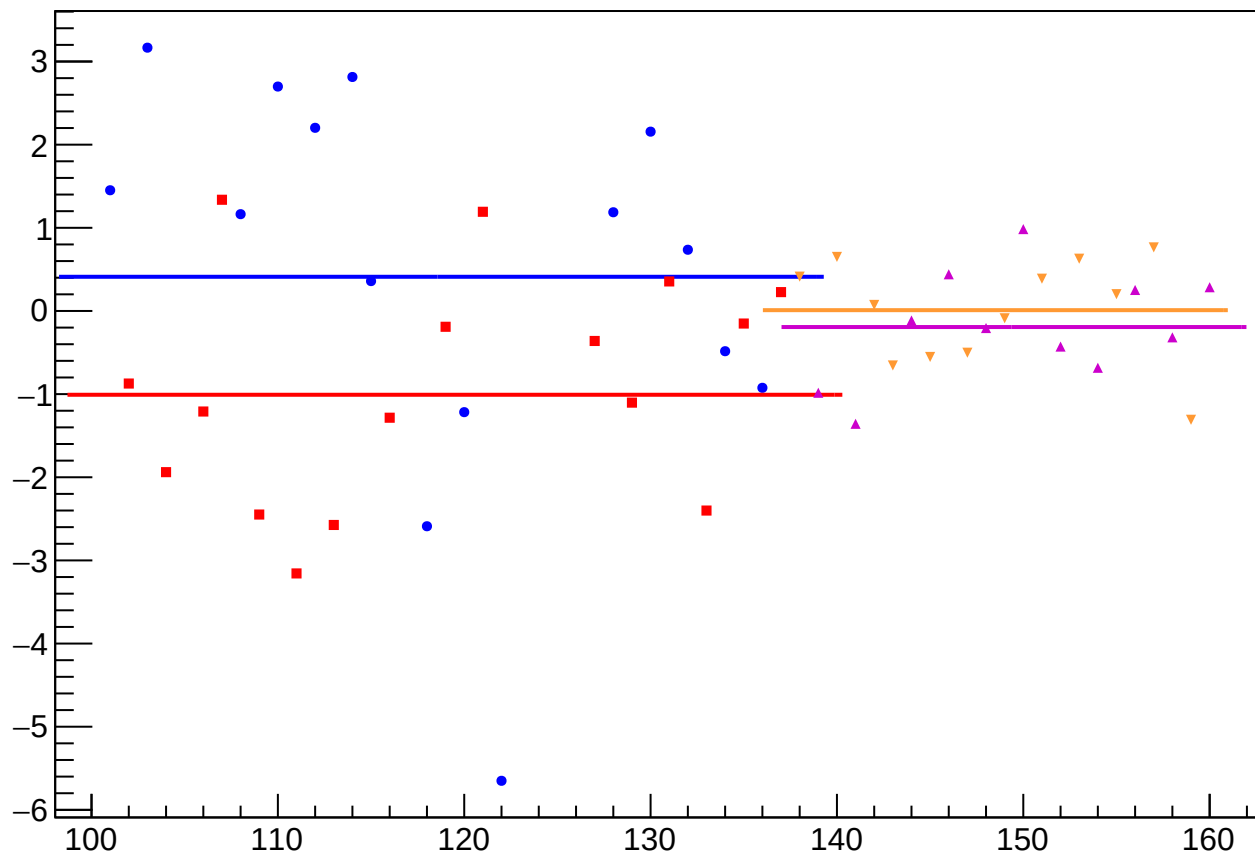
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

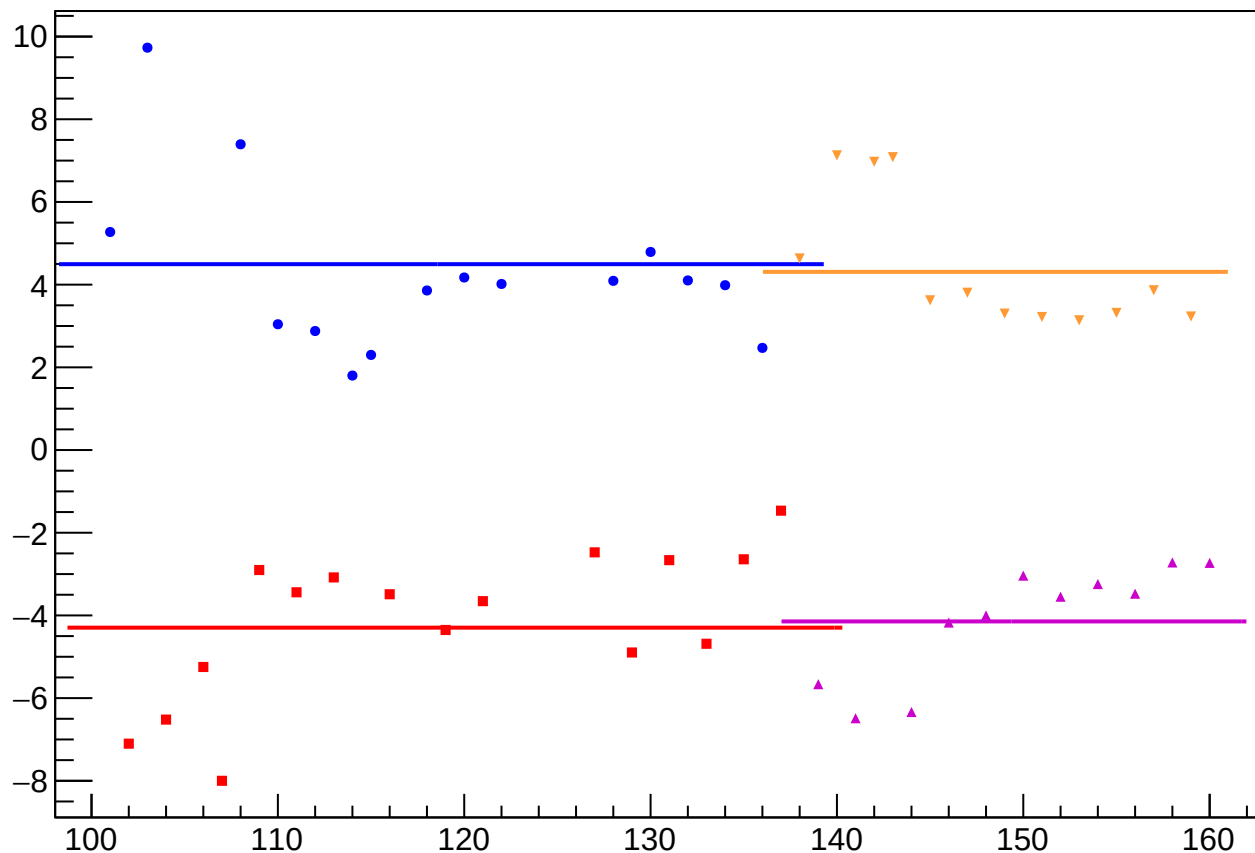
All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_4aX_coil4_mean vs Slug, Sign Corrected



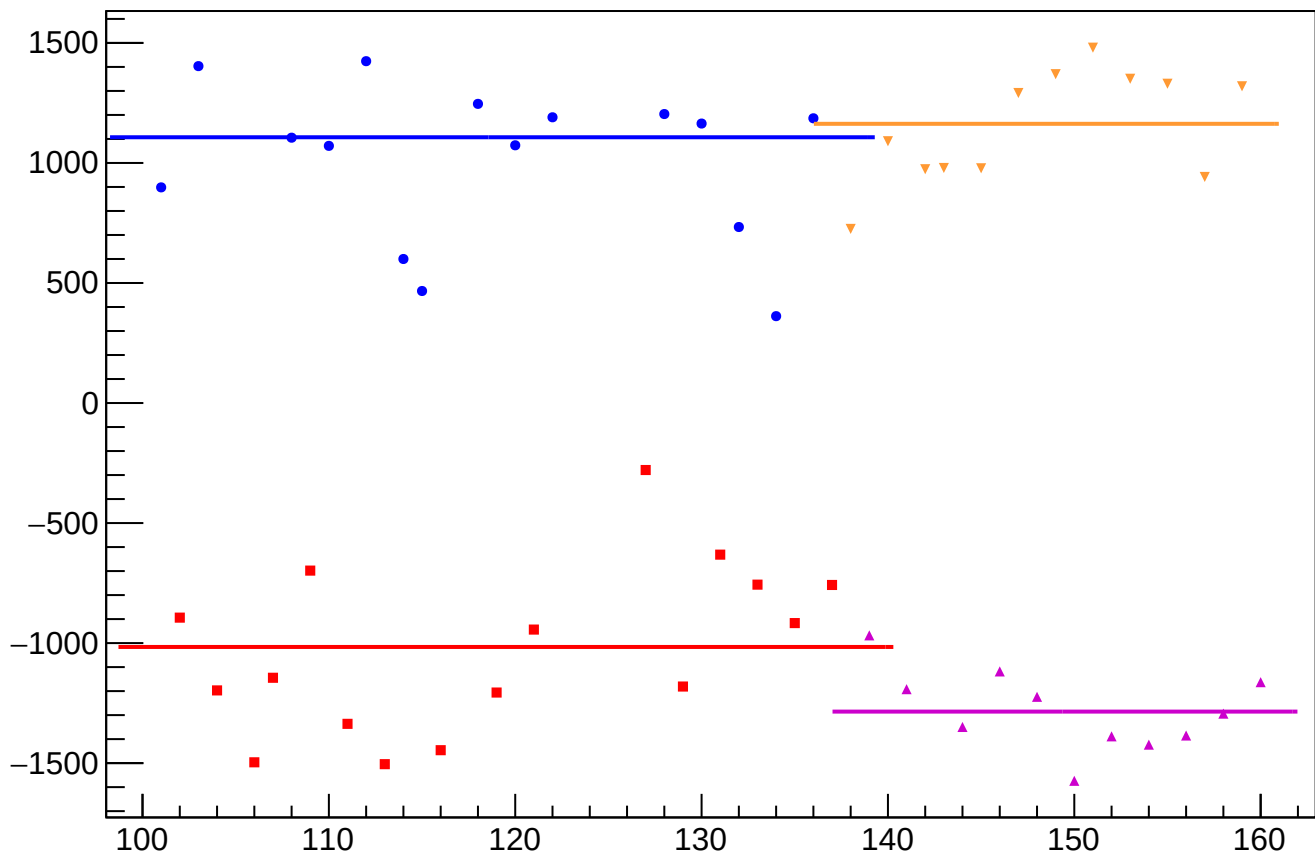
Left: -0.092 ± 0.000 χ^2/NDF : 75870244174076408
 Right In: 0.411 ± 0.000 χ^2/NDF : 3385573506255563170053089820409856.0/14
 Left Out: 0.010 ± 0.000 χ^2/NDF : 353620786406369007663734375579648.0/11
 Right Out: -1.008 ± 0.000 χ^2/NDF : 1128402228144096394498047410700288.0/15
 Left In: -0.193 ± 0.000 χ^2/NDF : 386133523330033860307880234713088.0/10
 In: 0.056 ± 0.000 χ^2/NDF : 3911027921110747740
 Out: -0.419 ± 0.000 χ^2/NDF : 18817018437793290
 All: -0.182 ± 0.000 χ^2/NDF : 5970744078372

dit_4aX_coil4_err_mean vs Slug, Sign Corrected



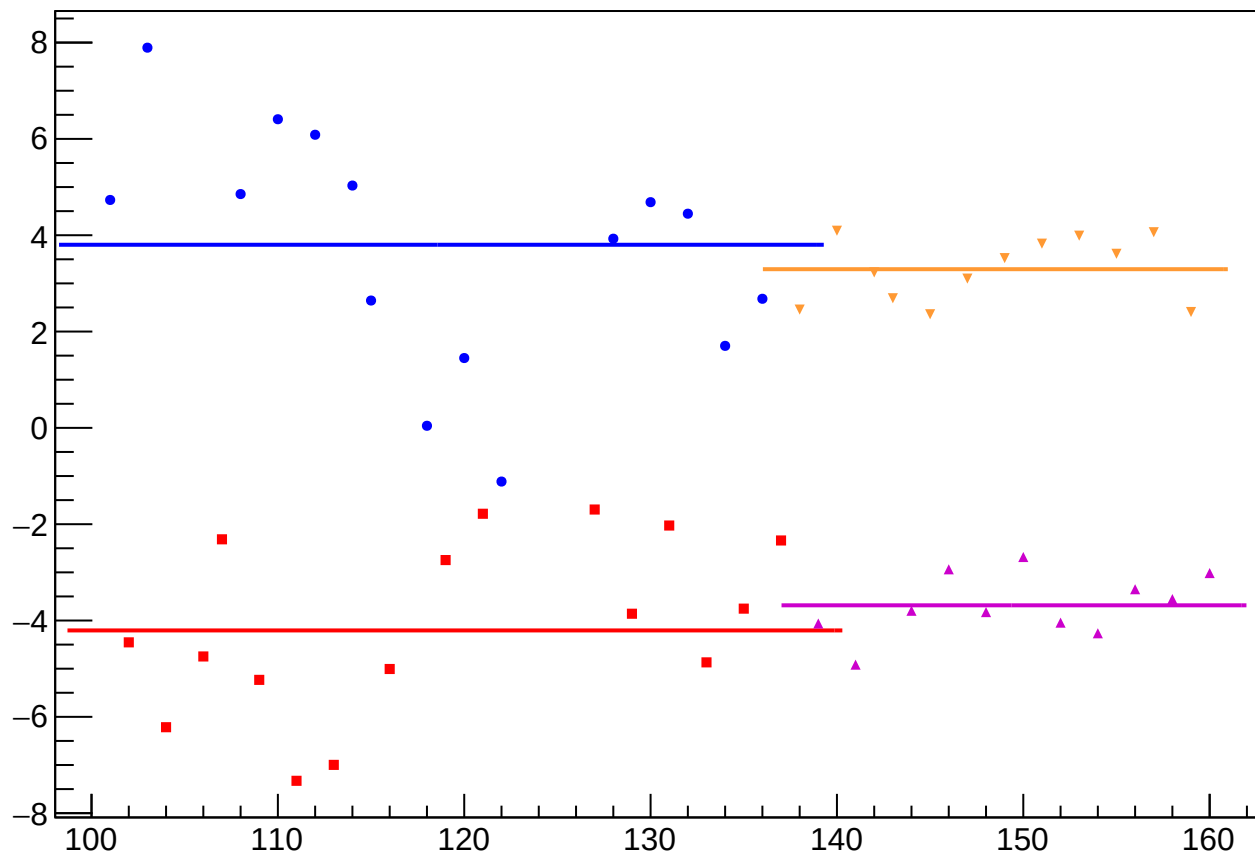
Right In: 4.495 $\pm$ 0.000 χ^2 /NDF: 2742240072441097531500728791597056.0/14
 Left Out: 4.310 $\pm$ 0.000 χ^2 /NDF: 2040592298318690802405823572082688.0/11
 Right Out: -4.296 $\pm$ 0.000 χ^2 /NDF: 2011925707062051890381007475441664.0/15
 Left In: -4.145 $\pm$ 0.000 χ^2 /NDF: 1645942604303349608571849827942400.0/10
 All: 0.055 $\pm$ 0.000 χ^2 /NDF: 66761434999463.0/40

dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected



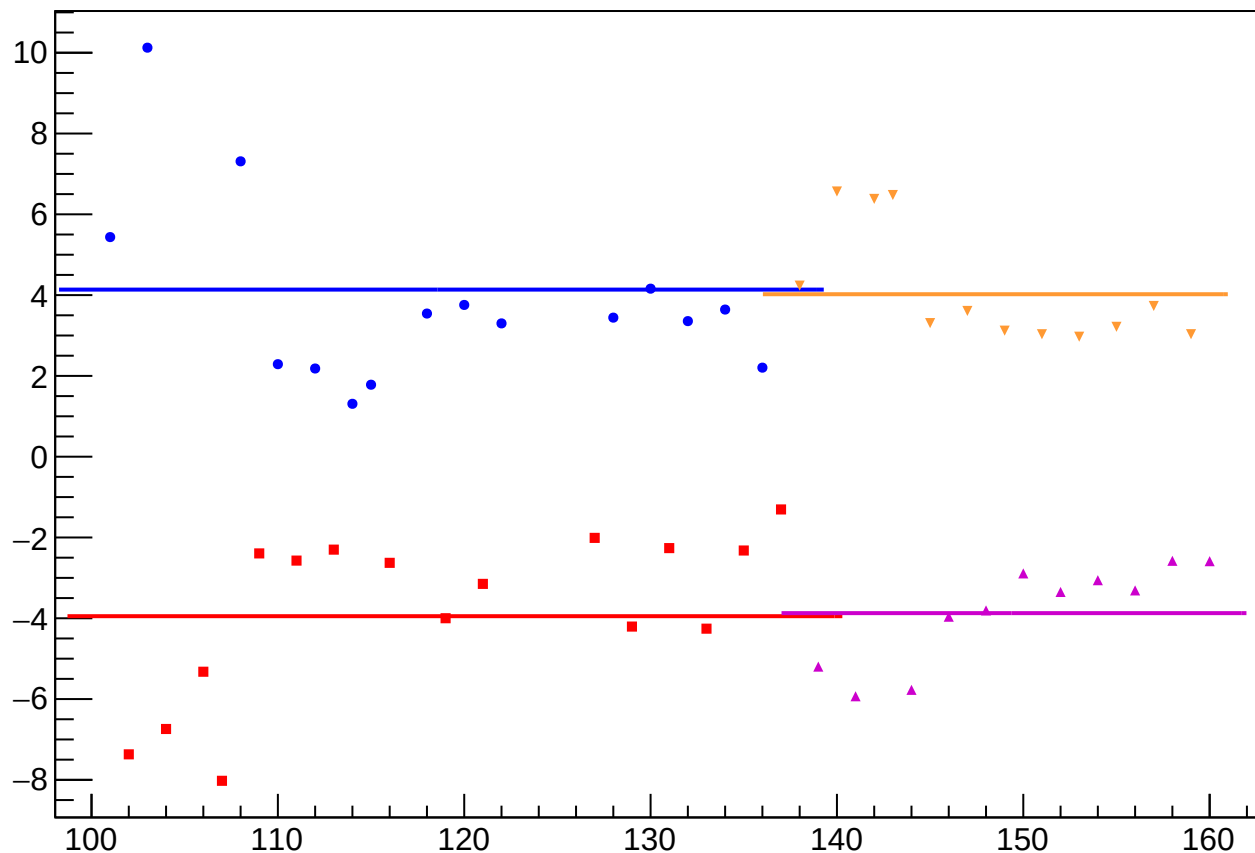
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.811+/-0.000	χ^2/NDF : 2828784455009896
Left Out: 1163.051+/-0.000	χ^2/NDF : 45744768397049445452124121981603807232.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.439+/-0.000	χ^2/NDF : 1951966106757194
	All: -25.475+/-0.000		χ^2/NDF : 443196140049

dit_4eX_coil4_mean vs Slug, Sign Corrected



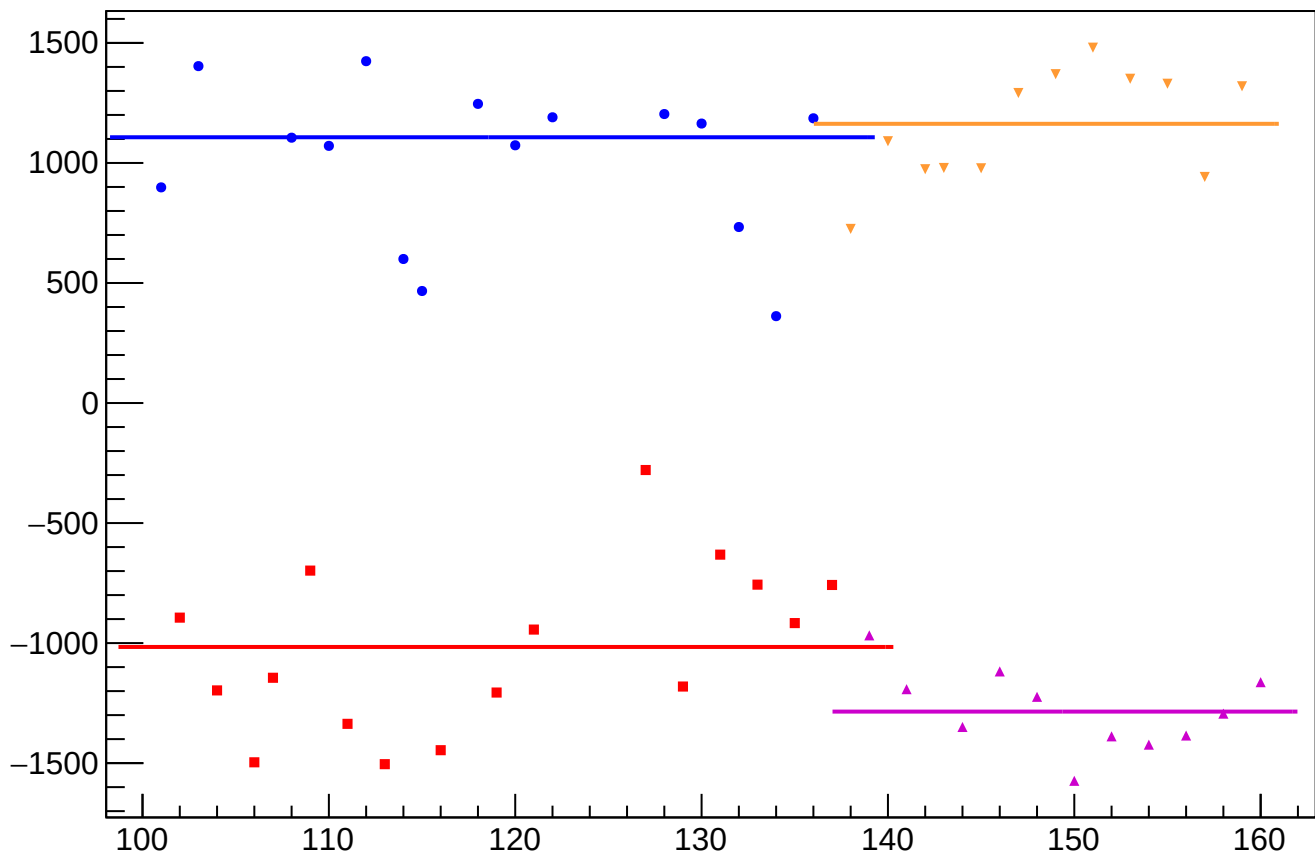
Right In: 3.802 ± 0.000 χ^2/NDF : 3795476074398338930564700657680384.0/14
 Left Out: 3.295 ± 0.000 χ^2/NDF : 390847239589673517583250386583552.0/11
 Right Out: -4.206 ± 0.000 χ^2/NDF : 2096427813341454573332265183477760.0/15
 Left In: -3.684 ± 0.000 χ^2/NDF : 366001419656422310601850072596480.0/10
 All: -0.228 ± 0.000 χ^2/NDF : 5015899532000

dit_4eX_coil4_err_mean vs Slug, Sign Corrected



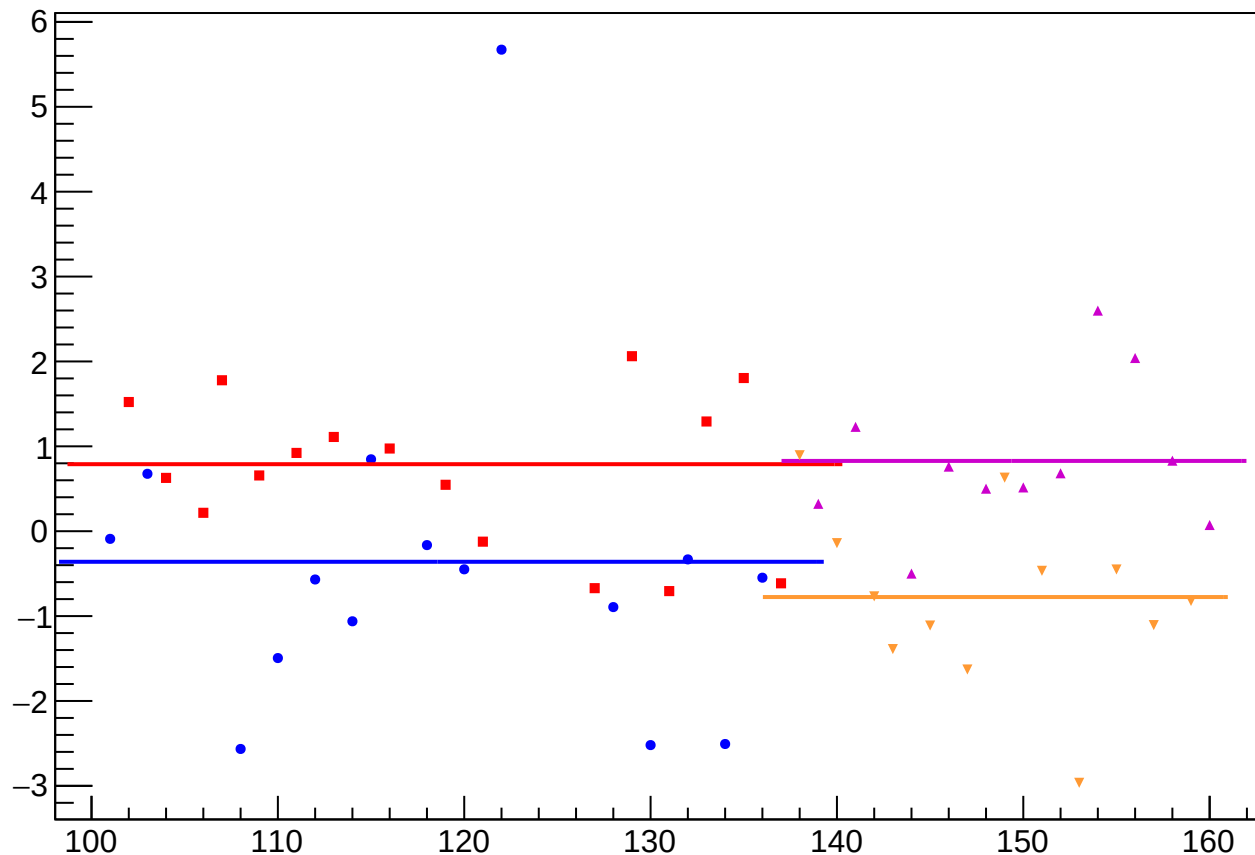
Right In: 4.136 $\pm$ 0.000 χ^2 /NDF: 3507600624388663919898505496231936.0/14
 Left Out: 4.022 $\pm$ 0.000 χ^2 /NDF: 1623918055405441678672358958694400.0/11
 Right Out: -3.948 $\pm$ 0.000 χ^2 /NDF: 2670176783942302028345551100051456.0/15
 Left In: -3.873 $\pm$ 0.000 χ^2 /NDF: 1278598291391127694323835331411968.0/10
 All: 0.051 $\pm$ 0.000 χ^2 /NDF: 59266421309858.0/14

dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected



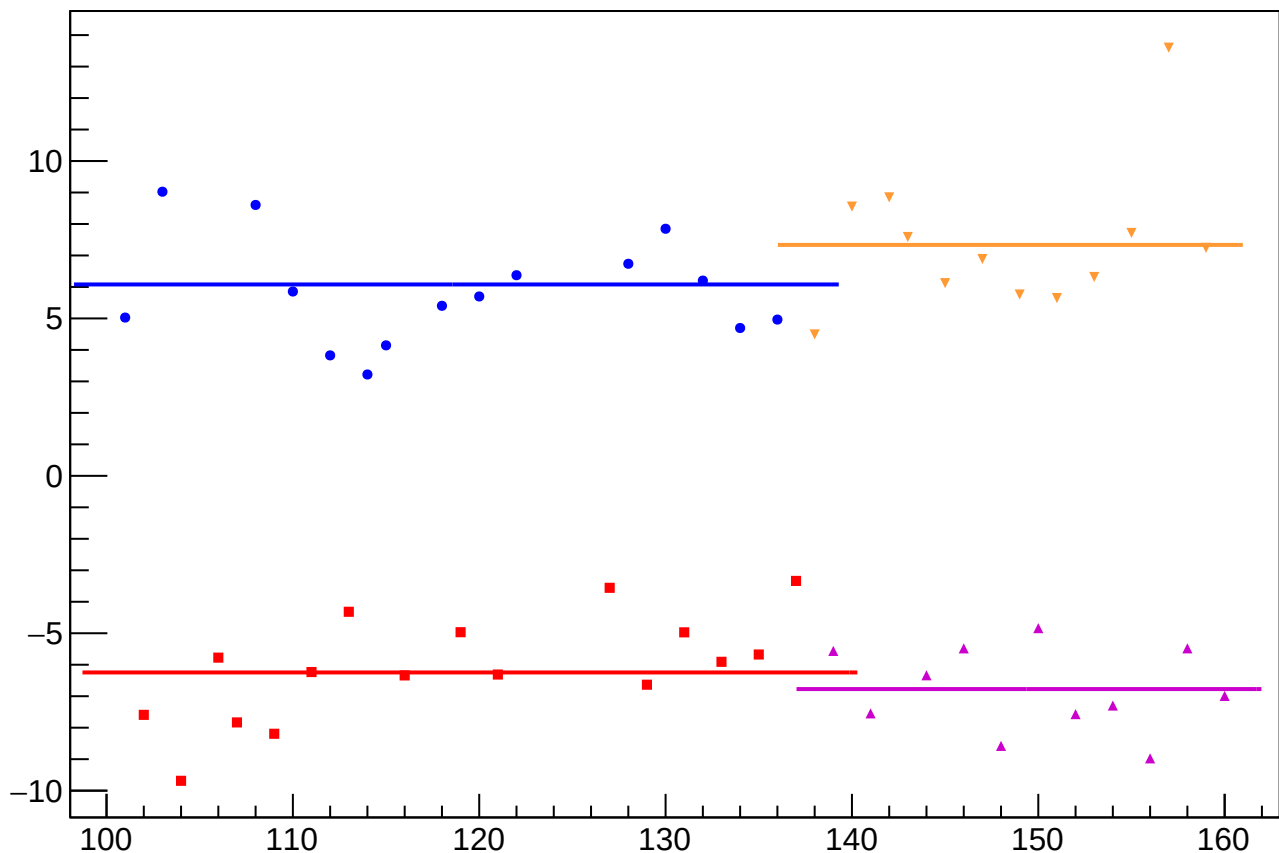
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.811+/-0.000	χ^2/NDF : 2828784455009896
Left Out: 1163.051+/-0.000	χ^2/NDF : 45744768397049445452124121981603807232.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.439+/-0.000	χ^2/NDF : 1951966106757194
		All: -25.475+/-0.000	χ^2/NDF : 443196140049

dit_11X12X_coil4_mean vs Slug, Sign Corrected



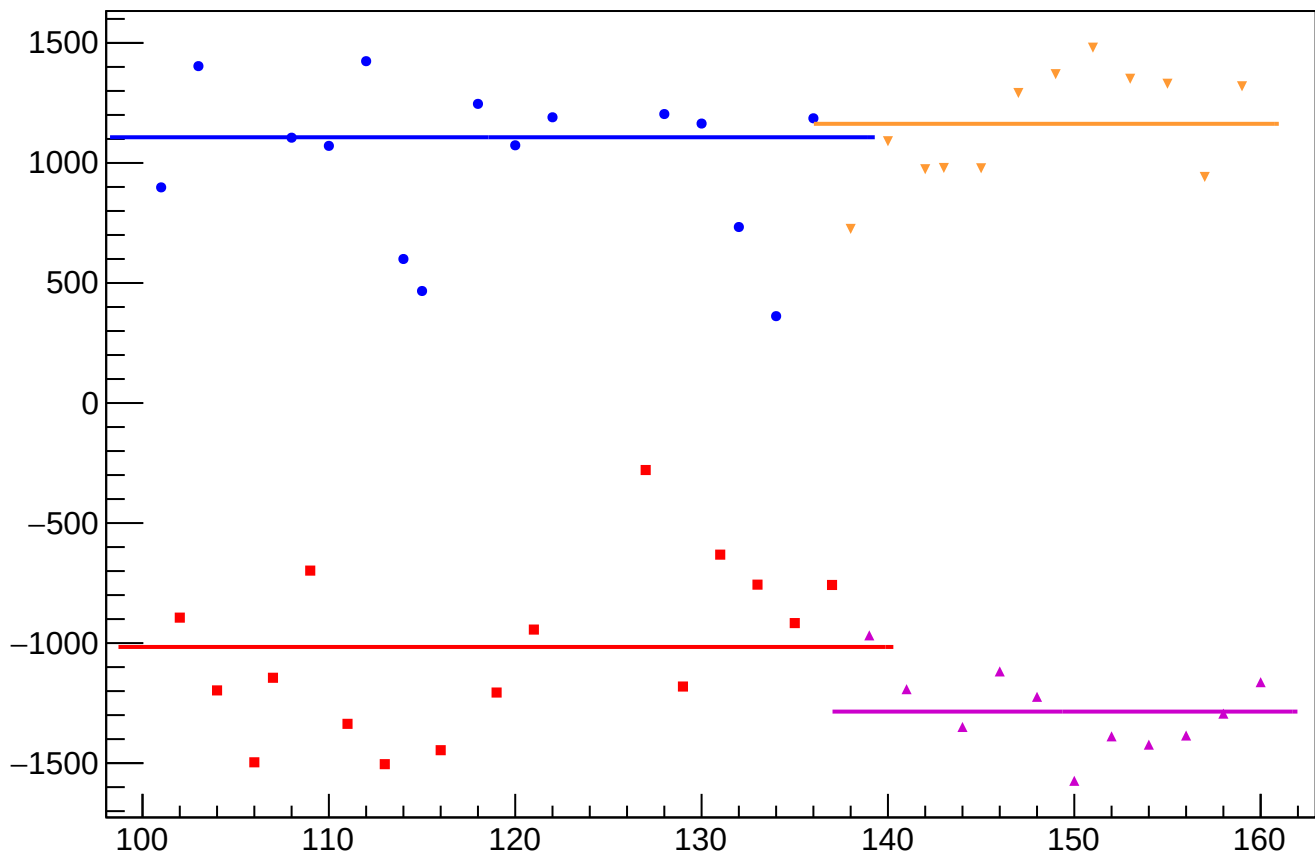
Right In: -0.360 ± 0.000 $\chi^2/\text{NDF}: 2180256348790896849346212178952192.0/14$
 Left Out: -0.776 ± 0.000 $\chi^2/\text{NDF}: 939757082215191020614021048958976.0/11$
 Right Out: 0.790 ± 0.000 $\chi^2/\text{NDF}: 463078369073343959803422903894016.0/15$
 Left In: 0.828 ± 0.000 $\chi^2/\text{NDF}: 650173977459122524537180454387712.0/10$
 All: 0.110 ± 0.000 $\chi^2/\text{NDF}: 58805084148536$

dit_11X12X_coil4_err_mean vs Slug, Sign Corrected



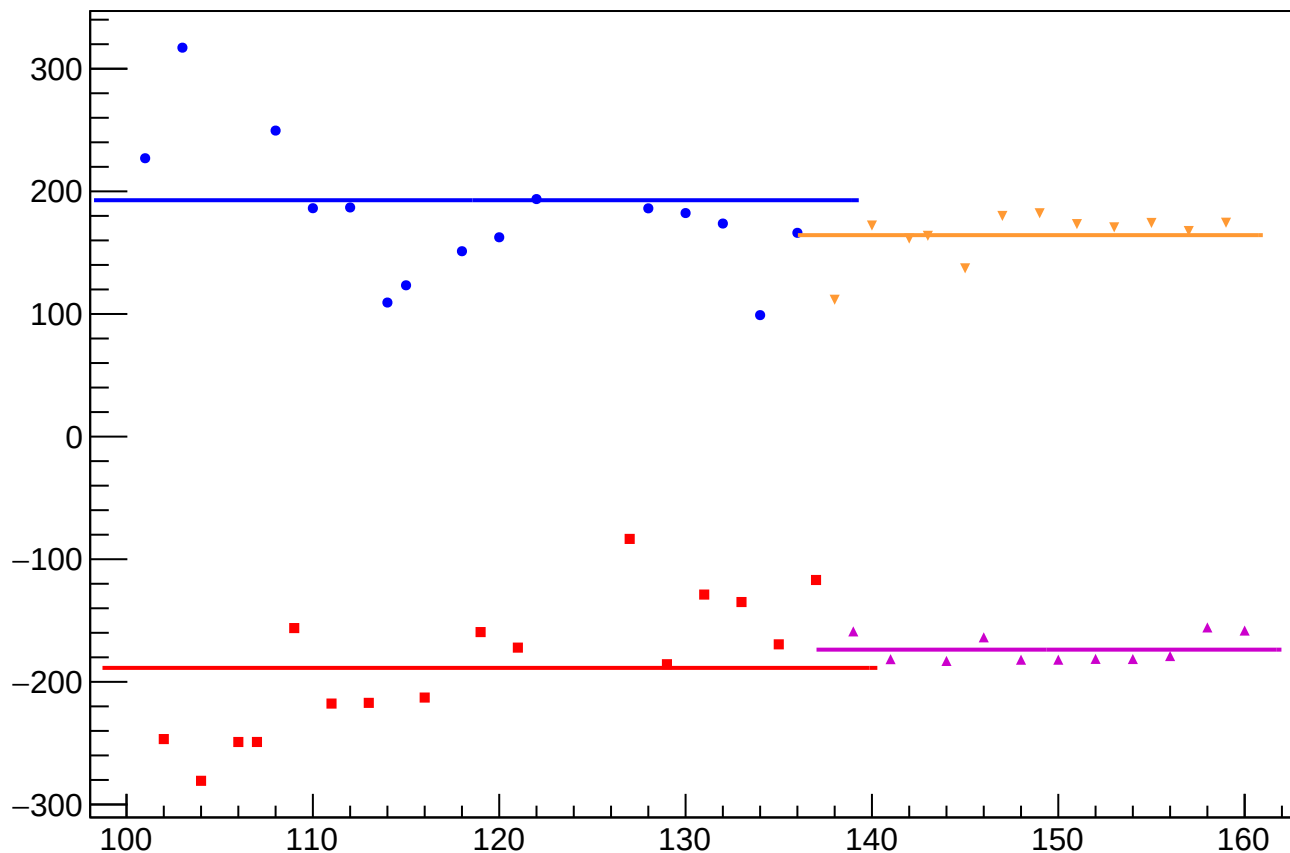
Right In: 6.079 ± 0.000 $\chi^2/\text{NDF}: 1590295171022705157509900448825344.0/14$
 Left Out: 7.336 ± 0.000 $\chi^2/\text{NDF}: 4625628833201139991267353991053312.0/11$
 Right Out: -6.245 ± 0.000 $\chi^2/\text{NDF}: 1816529163105006938510976985595904.0/15$
 Left In: -6.773 ± 0.000 $\chi^2/\text{NDF}: 1545880653062872635060205832372224.0/10$
 All: 0.079 ± 0.000 $\chi^2/\text{NDF}: 15129238447784$

dit_11X12X_coil4_Ndata_mean vs Slug, Sign Corrected



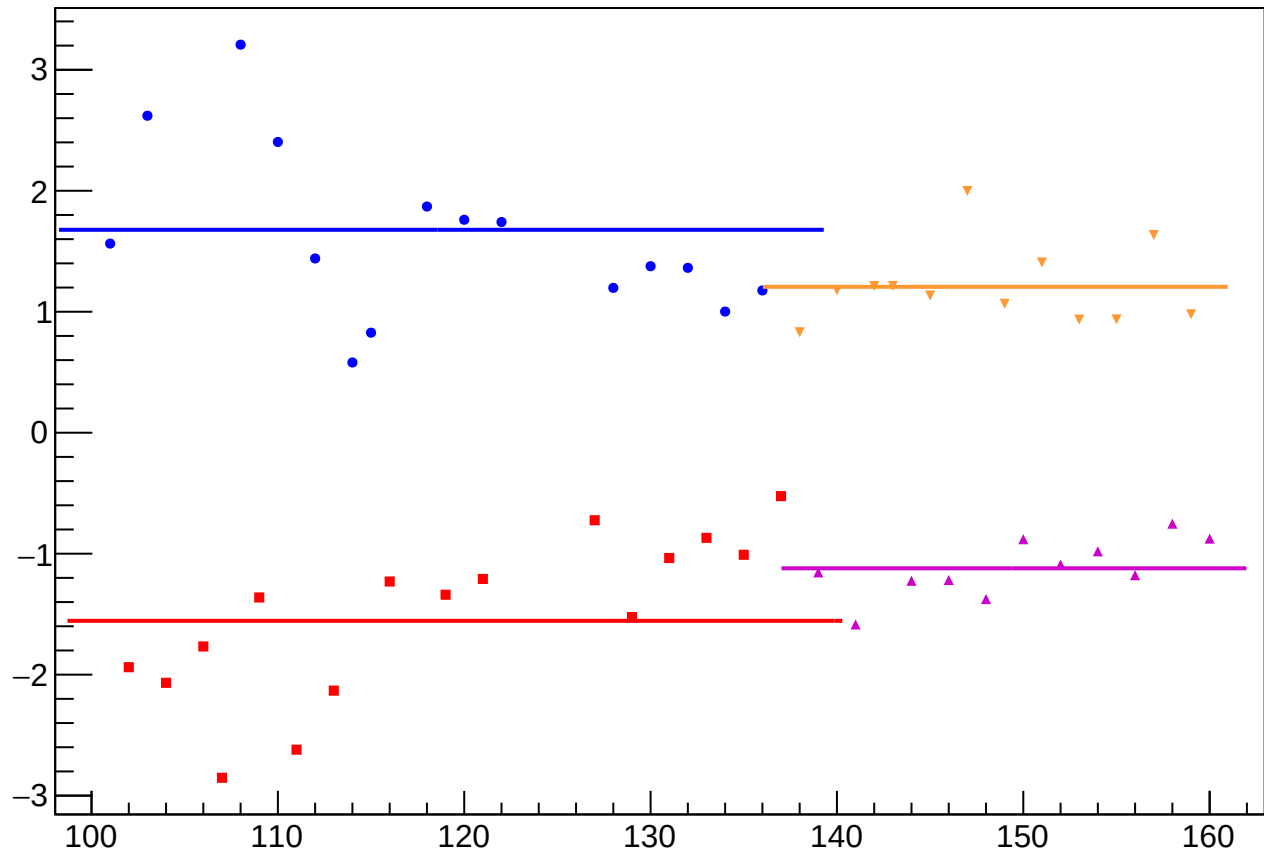
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_4aY_coil4_mean vs Slug, Sign Corrected



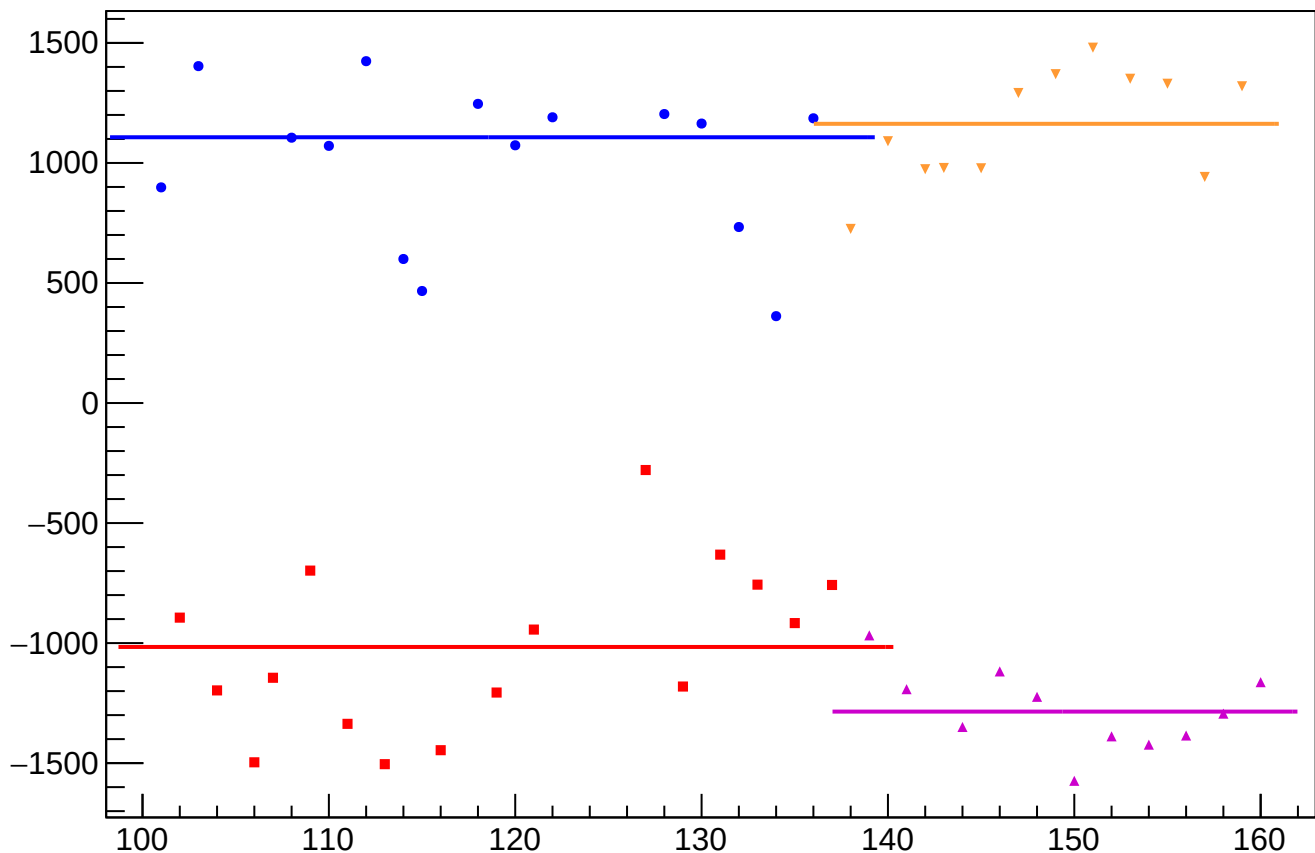
Right In: 192.771 ± 0.000 $\chi^2/\text{NDF}: 1640576279746948433391816936236515328.0/14$
 Left Out: 164.293 ± 0.000 $\chi^2/\text{NDF}: 353830120963940060605794212550541312.0/11$
 Right Out: -188.612 ± 0.000 $\chi^2/\text{NDF}: 1922342257287674563344204730019610624.0/15$
 Left In: -173.738 ± 0.000 $\chi^2/\text{NDF}: 107568156923900649458795541002452992.0/10$
 All: -3.349 ± 0.000 $\chi^2/\text{NDF}: 1044771835030$

dit_4aY_coil4_err_mean vs Slug, Sign Corrected



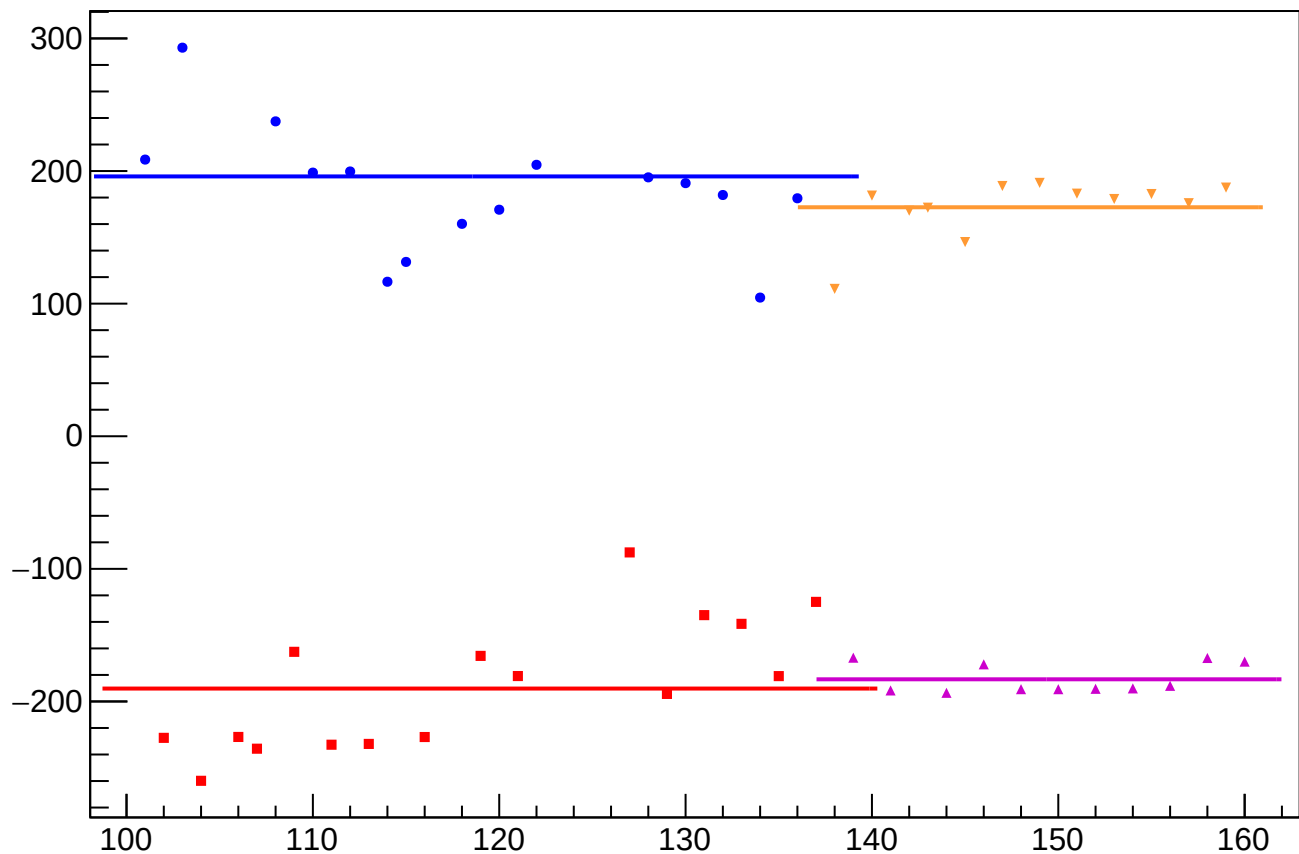
Right In: 1.677+/-0.000 χ^2/NDF : 241879924044788593292791559225344.0/14
 Left Out: 1.206+/-0.000 χ^2/NDF : 95869624128559666267627066490880.0/11
 Right Out: -1.555+/-0.000 χ^2/NDF : 255645951433890296827677195108352.0/15
 Left In: -1.121+/-0.000 χ^2/NDF : 48374896563348957372285351624704.0/10
 All: 0.039+/-0.000 χ^2/NDF : 65705107154675

dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.811+/-0.000	χ^2/NDF : 2828784455009896
Left Out: 1163.051+/-0.000	χ^2/NDF : 45744768397049445452124121981603807232.0/11	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: 245.439+/-0.000	χ^2/NDF : 1951966106757194
		All: -25.475+/-0.000	χ^2/NDF : 443196140049

dit_4eY_coil4_mean vs Slug, Sign Corrected



Right In: 195.940+/-0.000

χ^2/NDF : 1057891079869089572370479093183938560.0/14

Left Out: 172.678+/-0.000

χ^2/NDF : 444129154318784491704790528347340800.0/11

Right Out: -190.268+/-0.000

χ^2/NDF : 1468473073667973330267084234323656704.0/15

Left In: -183.290+/-0.000

χ^2/NDF : 101738841511111417821042611832487936.0/10

Left: -5.983+/-0.000 χ^2/NDF : 58864914274163401

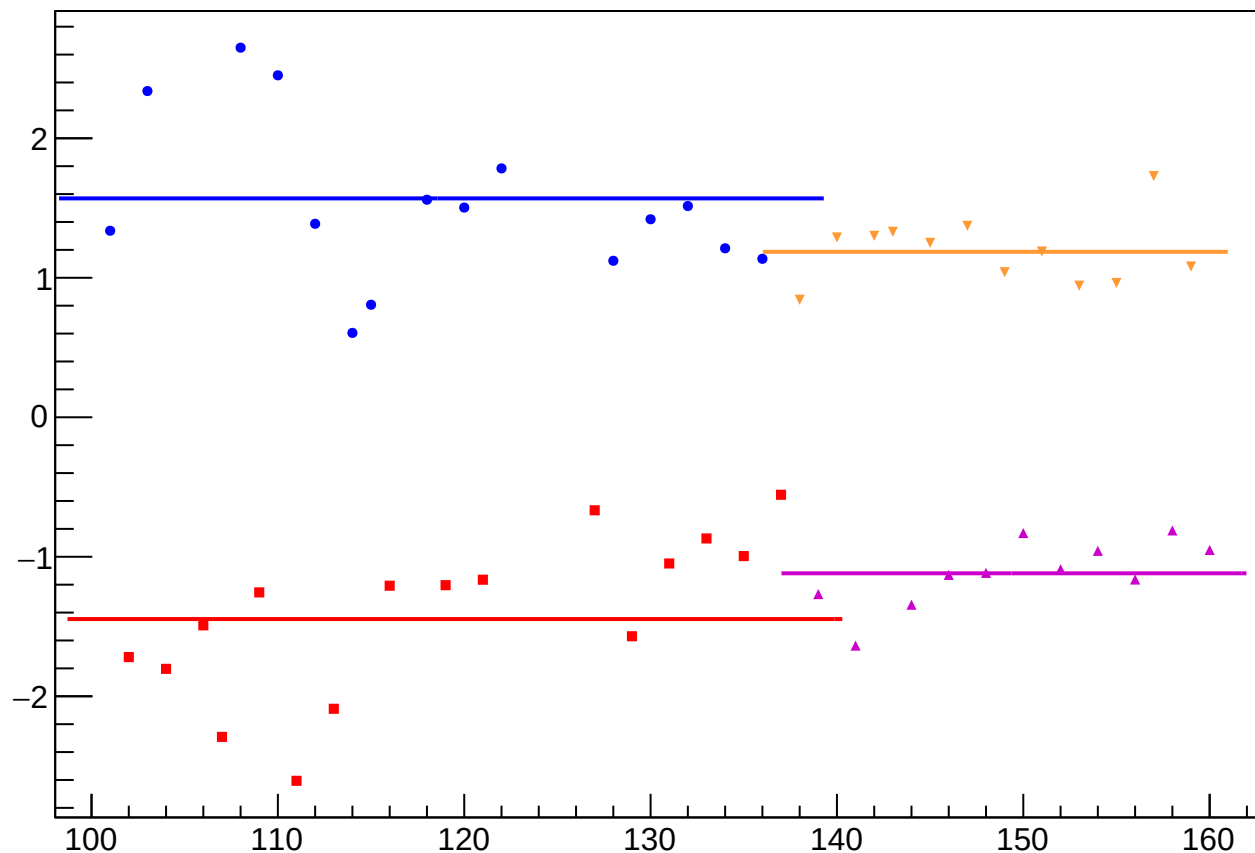
Right: 0.195+/-0.000 χ^2/NDF : 51589726724001798

In: -26.825+/-0.000 χ^2/NDF : 55986720653015776

Out: 19.847+/-0.000 χ^2/NDF : 52778083366810499

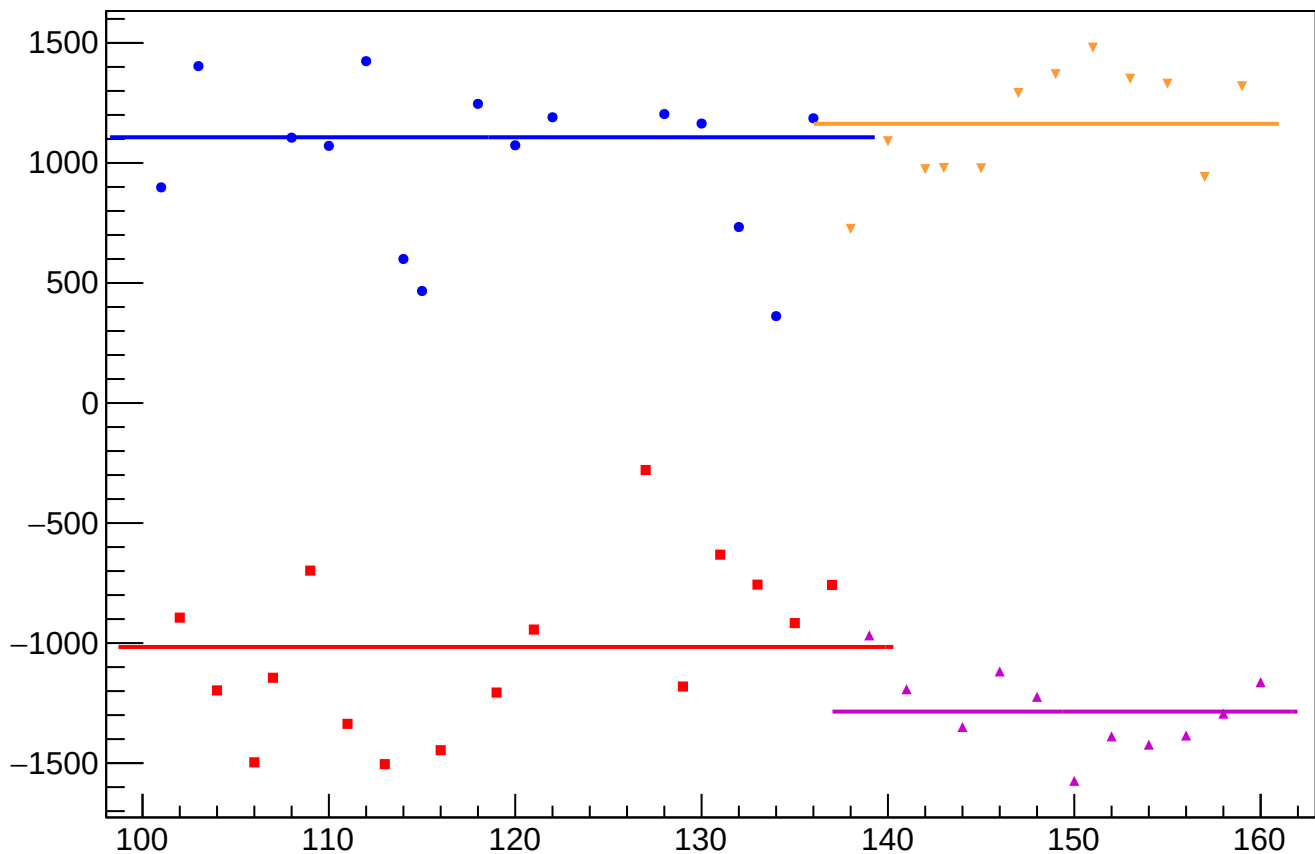
All: -3.408+/-0.000 χ^2/NDF : 1104839326993

dit_4eY_coil4_err_mean vs Slug, Sign Corrected



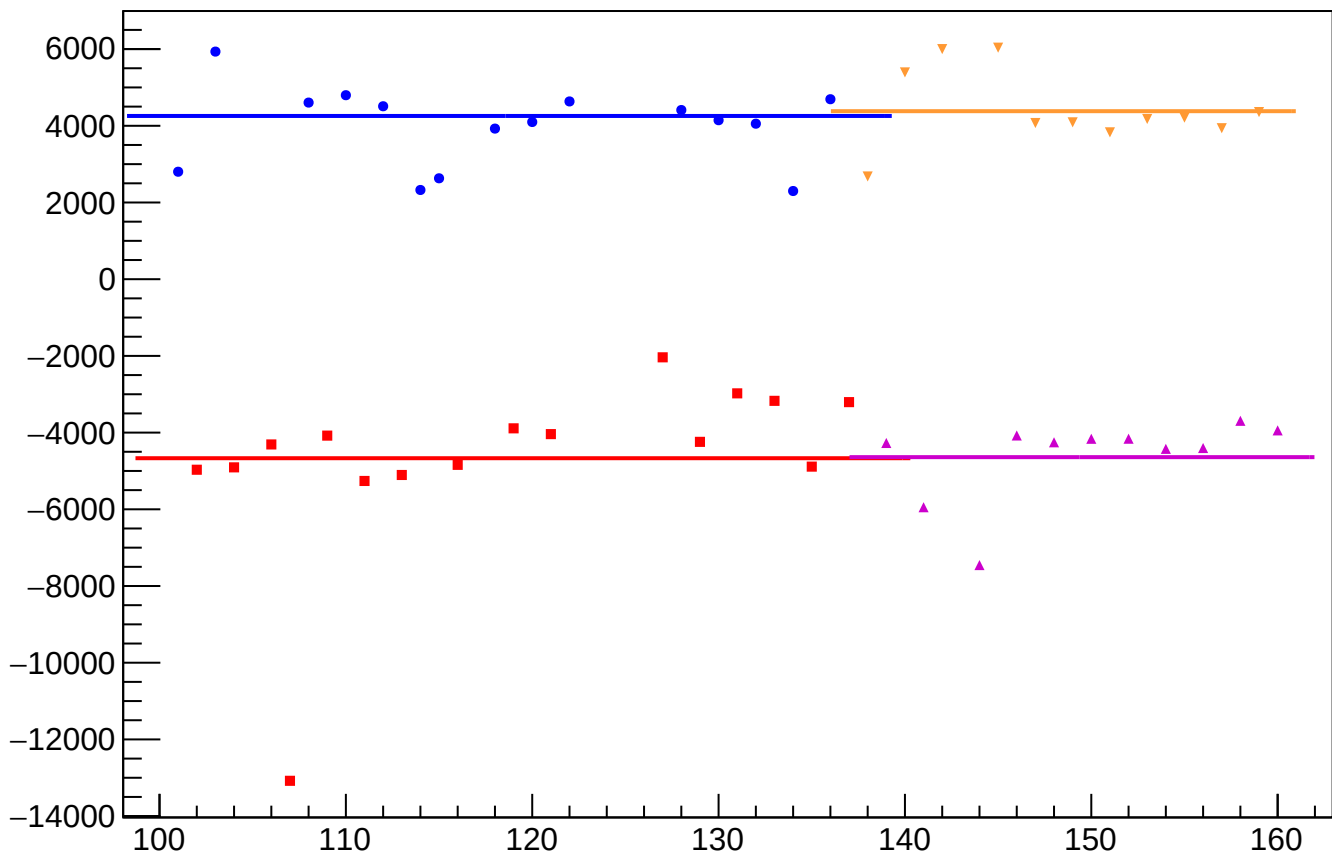
Right In: 1.569 ± 0.000 $\chi^2/\text{NDF}: 162849195668123380789610540957696.0/14$
 Left Out: 1.186 ± 0.000 $\chi^2/\text{NDF}: 50110649006733128269701442437120.0/11$
 Right Out: -1.446 ± 0.000 $\chi^2/\text{NDF}: 196296653917523352443271052787712.0/15$
 Left In: -1.118 ± 0.000 $\chi^2/\text{NDF}: 48973496995723480911801365823488.0/10$
 All: 0.034 ± 0.000 $\chi^2/\text{NDF}: 58938885510932$

dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected



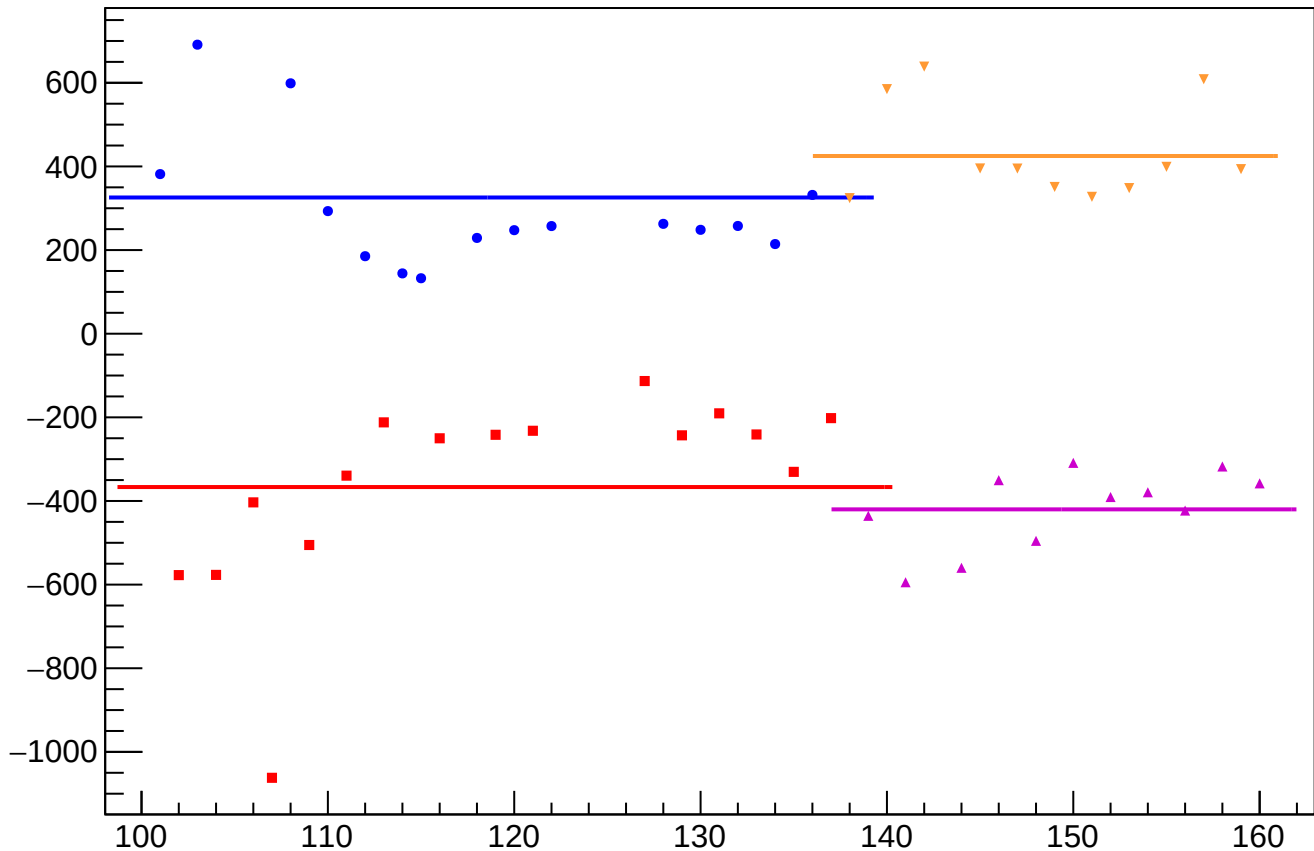
Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051 $\pm$ 0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475 $\pm$ 0.000 χ^2/NDF : 443196140049

dit_usl_coil4_mean vs Slug, Sign Corrected



Right In: 4256.386+/-0.000 χ^2/NDF : 498605412551624859672454954159576186880.0/14
 Left Out: 4380.887+/-0.000 χ^2/NDF : 711929350796242872356445332084336099328.0/10
 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: -295.959+/-0.000 χ^2/NDF : 67696469529

dit_usl_coil4_err_mean vs Slug, Sign Corrected



Right In: 325.732+/-0.000

χ^2/NDF : 14633359567940244123897242769854300160.0/14

Left Out: 424.941+/-0.000

χ^2/NDF : 9621828673272649813383773272468881408.0/10

Right Out: -366.682+/-0.000

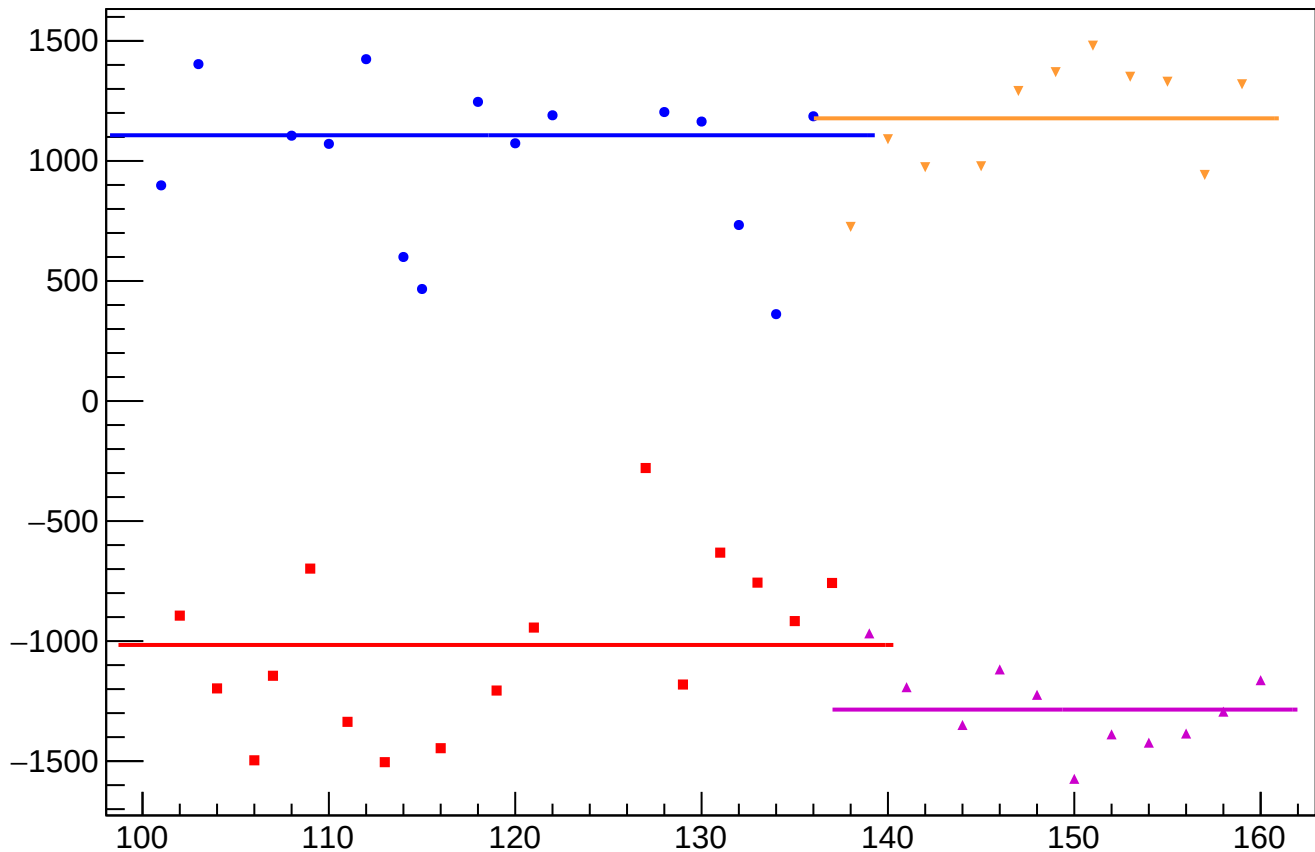
χ^2/NDF : 32097250699947956409117440115398934528.0/15

Left In: -420.062+/-0.000

χ^2/NDF : 7706514276709269263404419491802644480.0/10

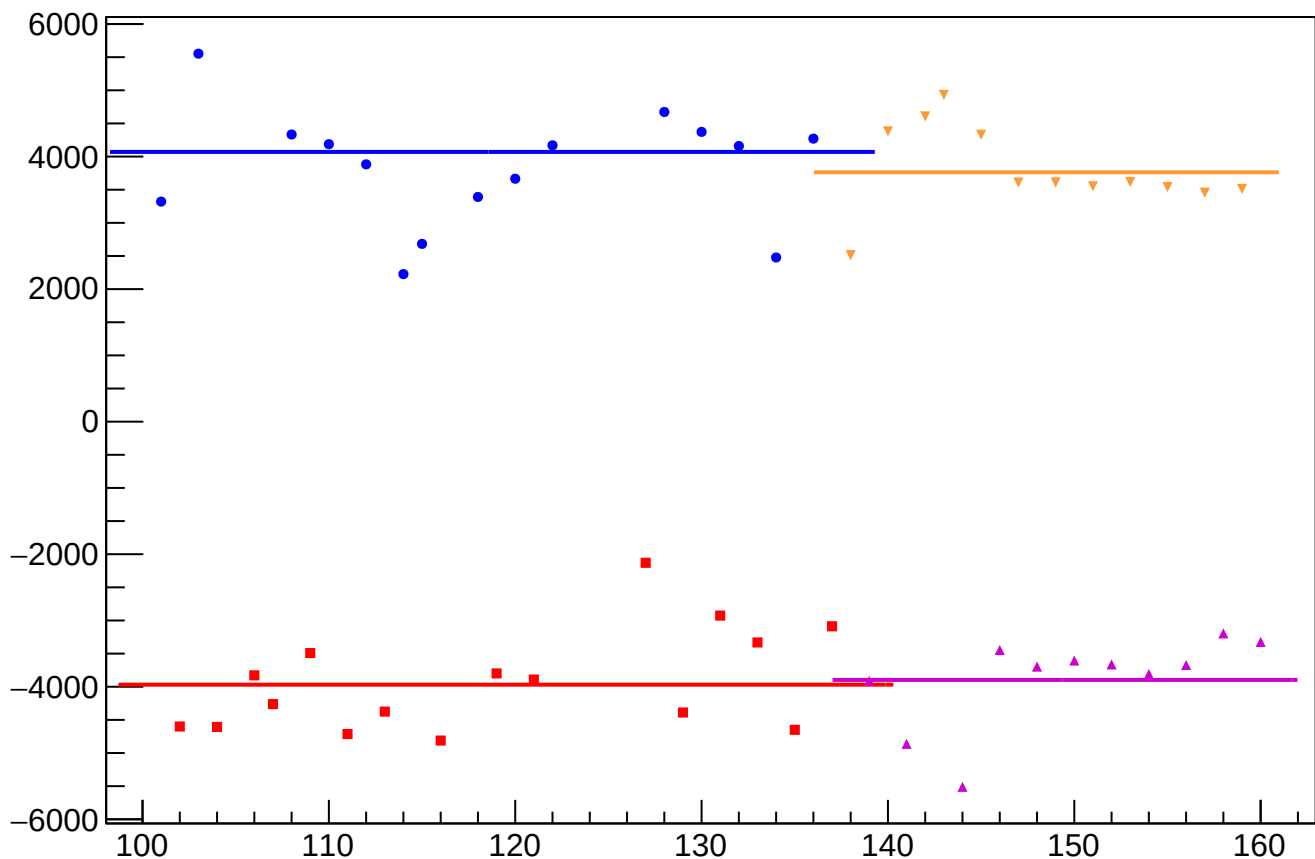
All: -19.455+/-0.000 χ^2/NDF : 537961516832

dit_usl_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1177.551 $\pm$ 0.000 χ^2/NDF : 43299032399354290264123483303178141696.0/10
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 72567664333509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -47.257 $\pm$ 0.000 χ^2/NDF : 436288028349

dit_usr_coil4_mean vs Slug, Sign Corrected



Right In: 4070.444+/-0.000

χ^2/NDF : 343281875282695739956383156295247593472.0/14

Left Out: 3763.117+/-0.000

χ^2/NDF : 328830410494285997490635269622747627520.0/11

Right Out: -3968.723+/-0.000

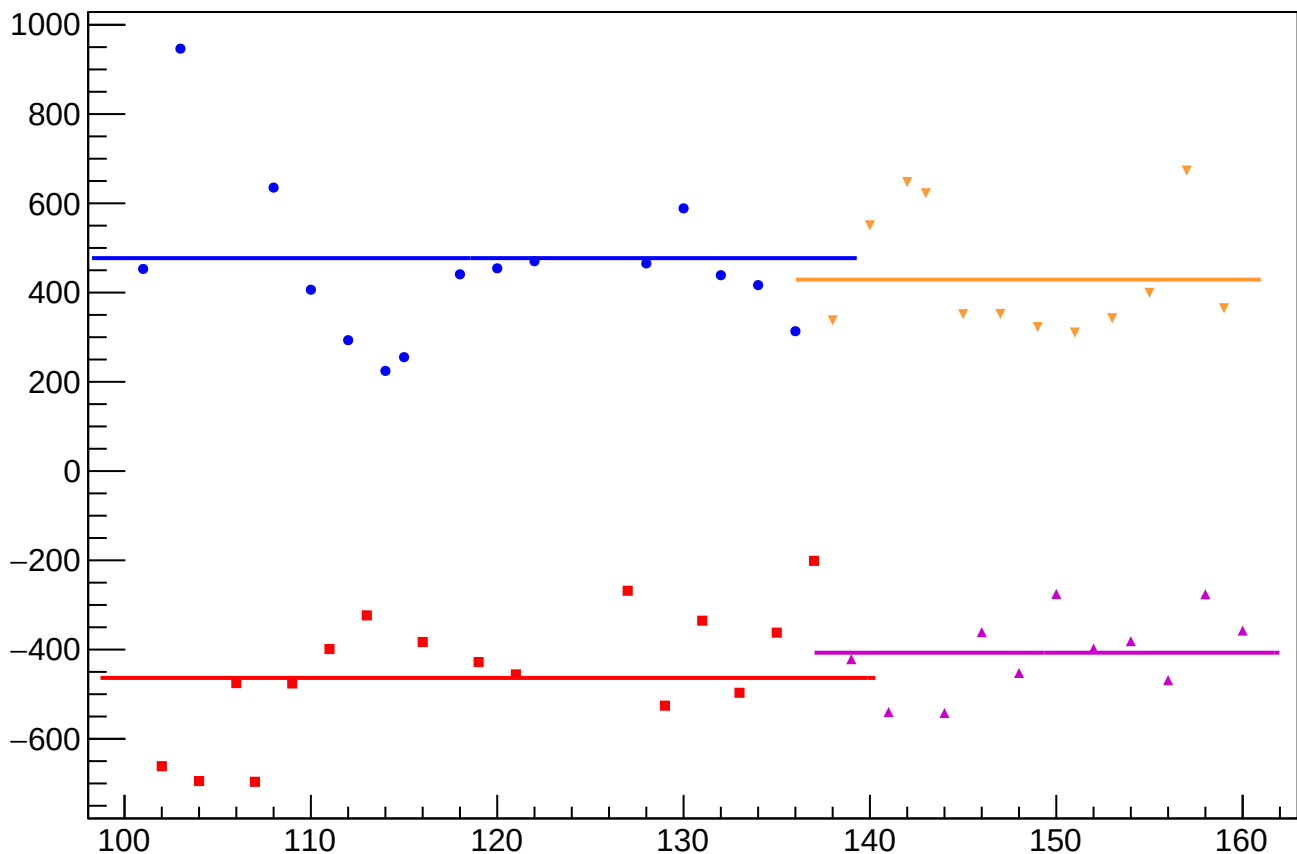
χ^2/NDF : 359955880326194784467353369492594884608.0/15

Left In: -3896.757+/-0.000

χ^2/NDF : 412530714584693730225130204014353317888.0/10

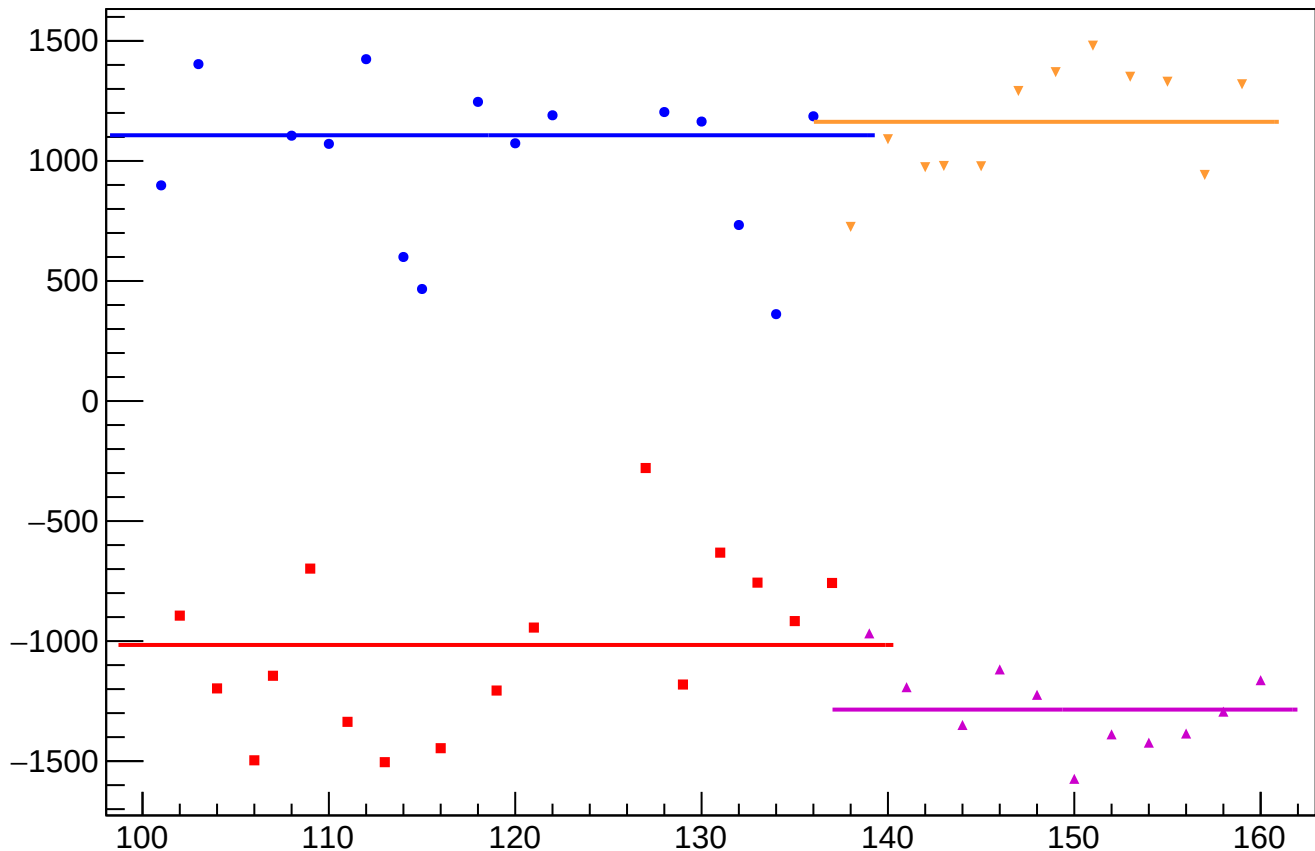
All: -49.175+/-0.000 χ^2/NDF : 497120475909

dit_usr_coil4_err_mean vs Slug, Sign Corrected



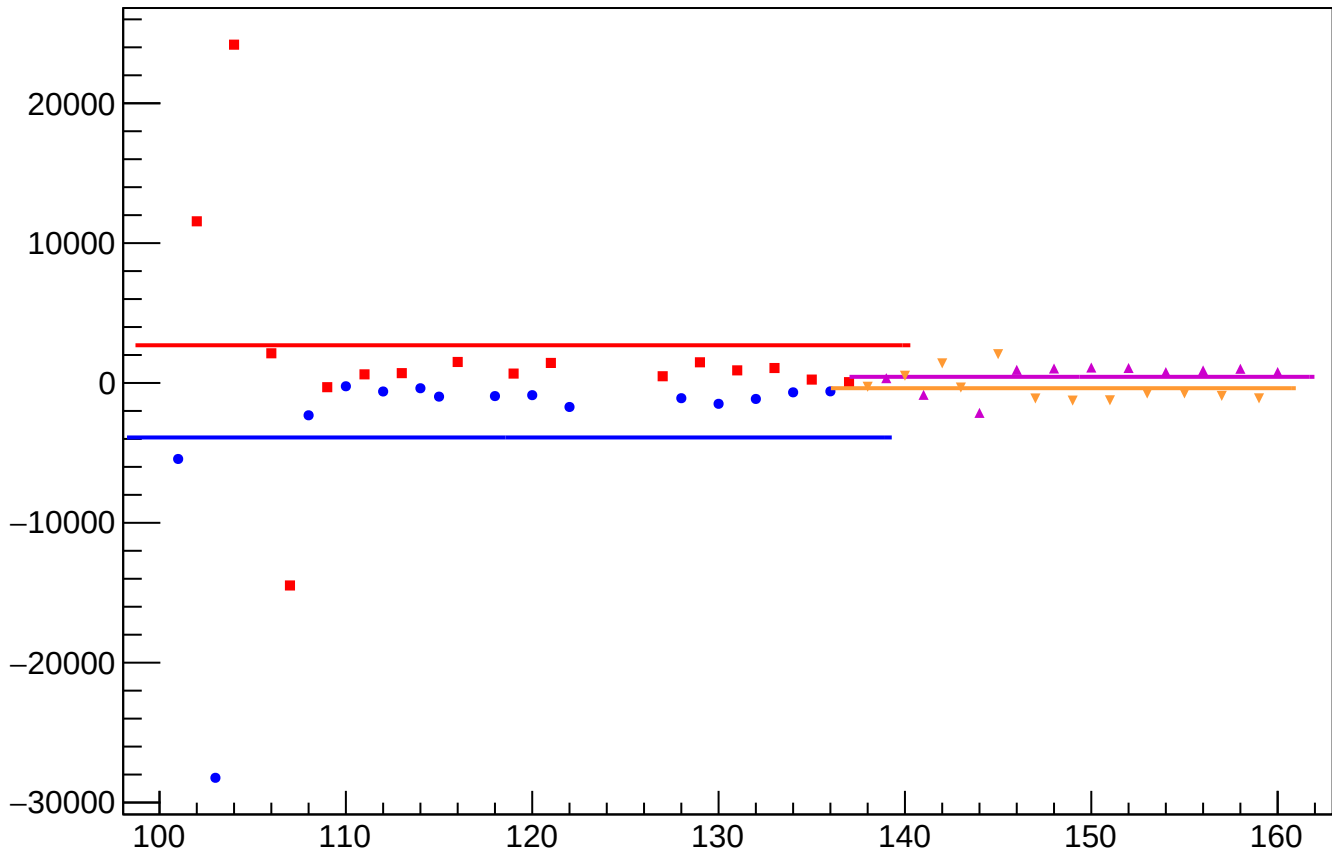
Right In: 477.186 +/- 0.000 χ^2/NDF : 20455719931758379978892605184974782464.0/14
 Left Out: 428.977 +/- 0.000 χ^2/NDF : 15293827786065679931988484454692683776.0/11
 Right Out: -463.513 +/- 0.000 χ^2/NDF : 12556777931069903370031832388184571904.0/15
 Left In: -406.990 +/- 0.000 χ^2/NDF : 7014219134688394471330081136711827456.0/10
 All: 5.652 +/- 0.000 χ^2/NDF : 66810194578541

dit_usr_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.811+/-0.000	χ^2/NDF : 2828784455009896
Left Out: 1163.051+/-0.000	χ^2/NDF : 45744768397049445452124121981603807232.0/11	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: 245.439+/-0.000	χ^2/NDF : 1951966106757194
		All: -25.475+/-0.000	χ^2/NDF : 443196140049

dit_atl1_coil4_mean vs Slug, Sign Corrected



Right In: -3896.522+/-0.000

χ^2/NDF : 39618598516481020448248440670012984786944.0/14

Left Out: -374.202+/-0.000

χ^2/NDF : 945868175144673963133070381135496740864.0/11

Right Out: 2695.992+/-0.000

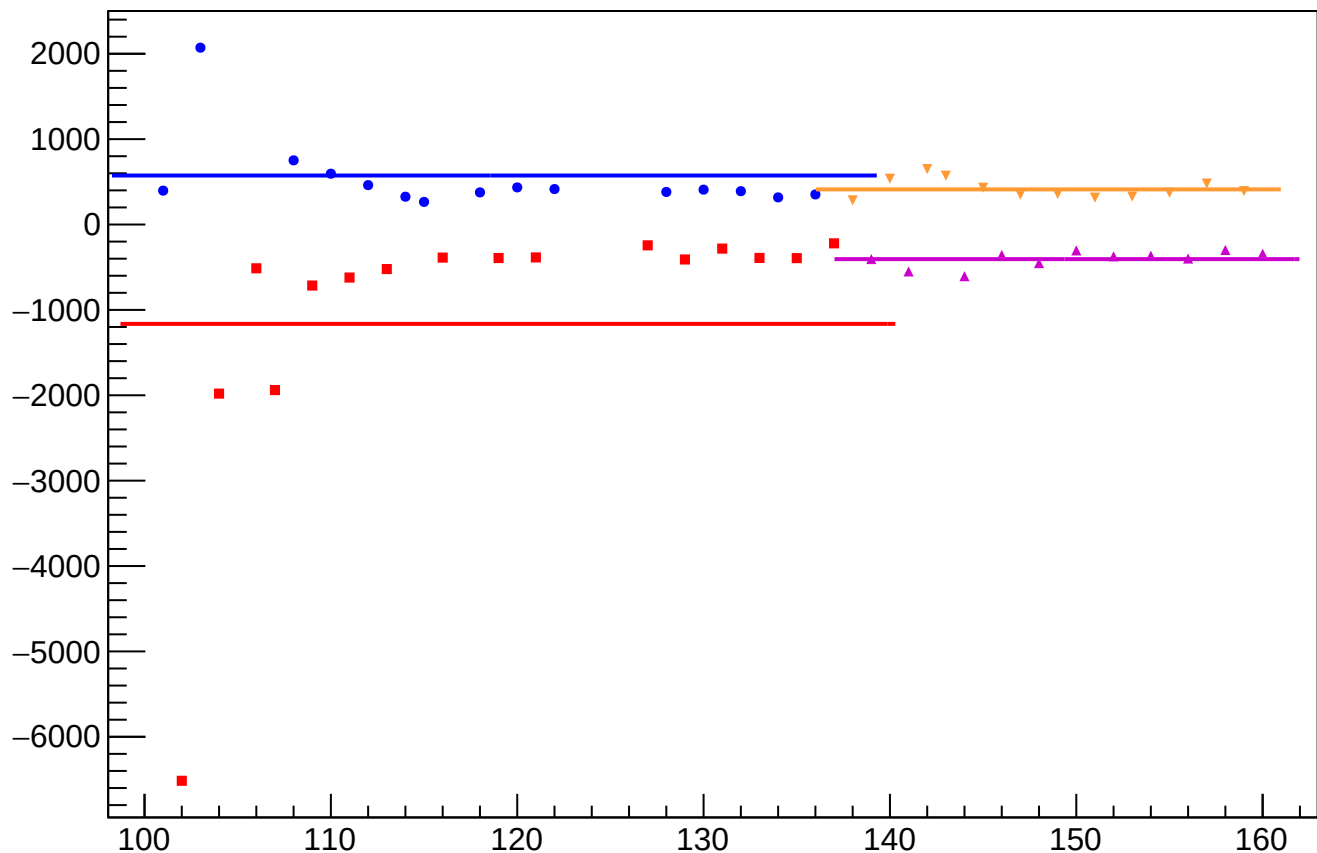
χ^2/NDF : 40822463071462352124212058386591729582080.0/15

Left In: 439.289+/-0.000

χ^2/NDF : 921031566733723872829454078558930468864.0/10

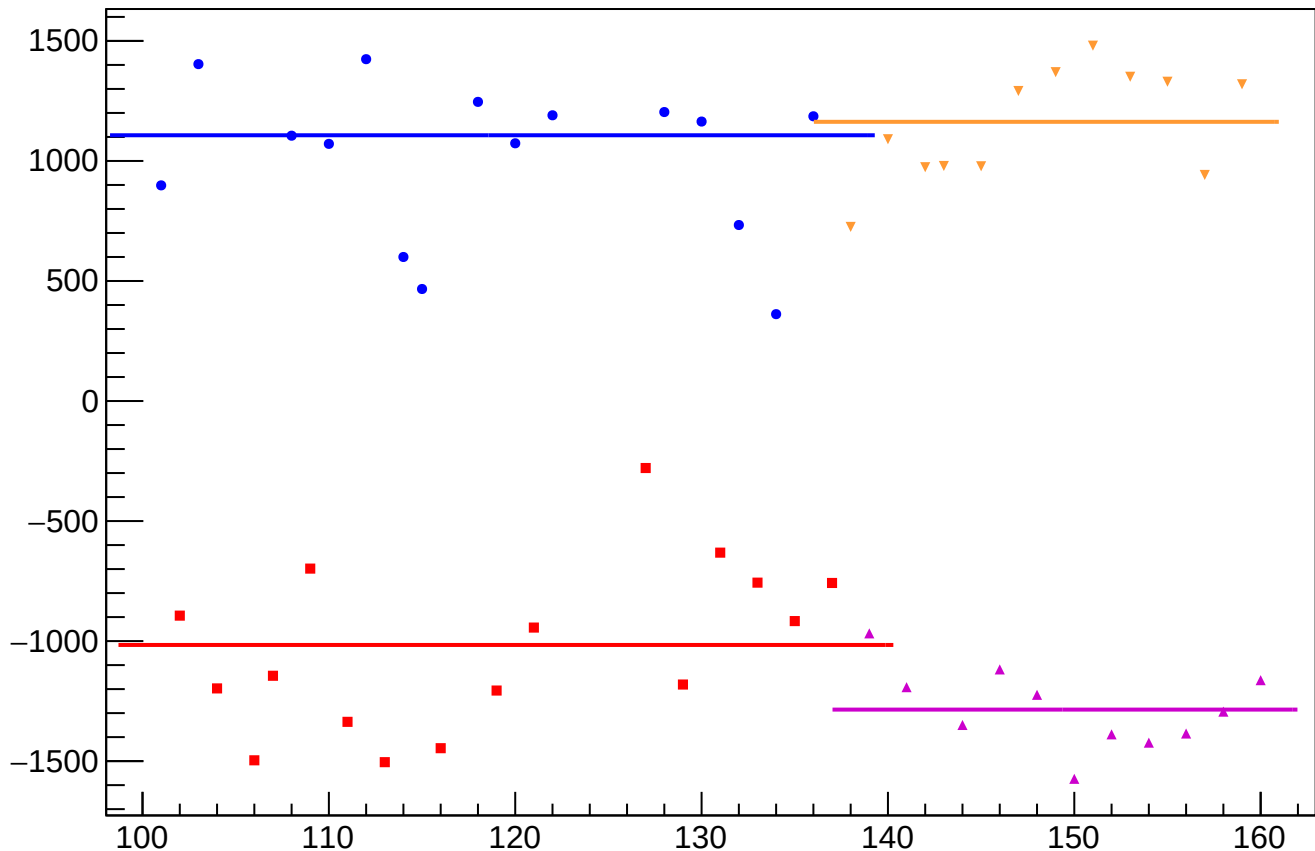
All: -211.548+/-0.000 χ^2/NDF : 97175088373

dit_atl1_coil4_err_mean vs Slug, Sign Corrected



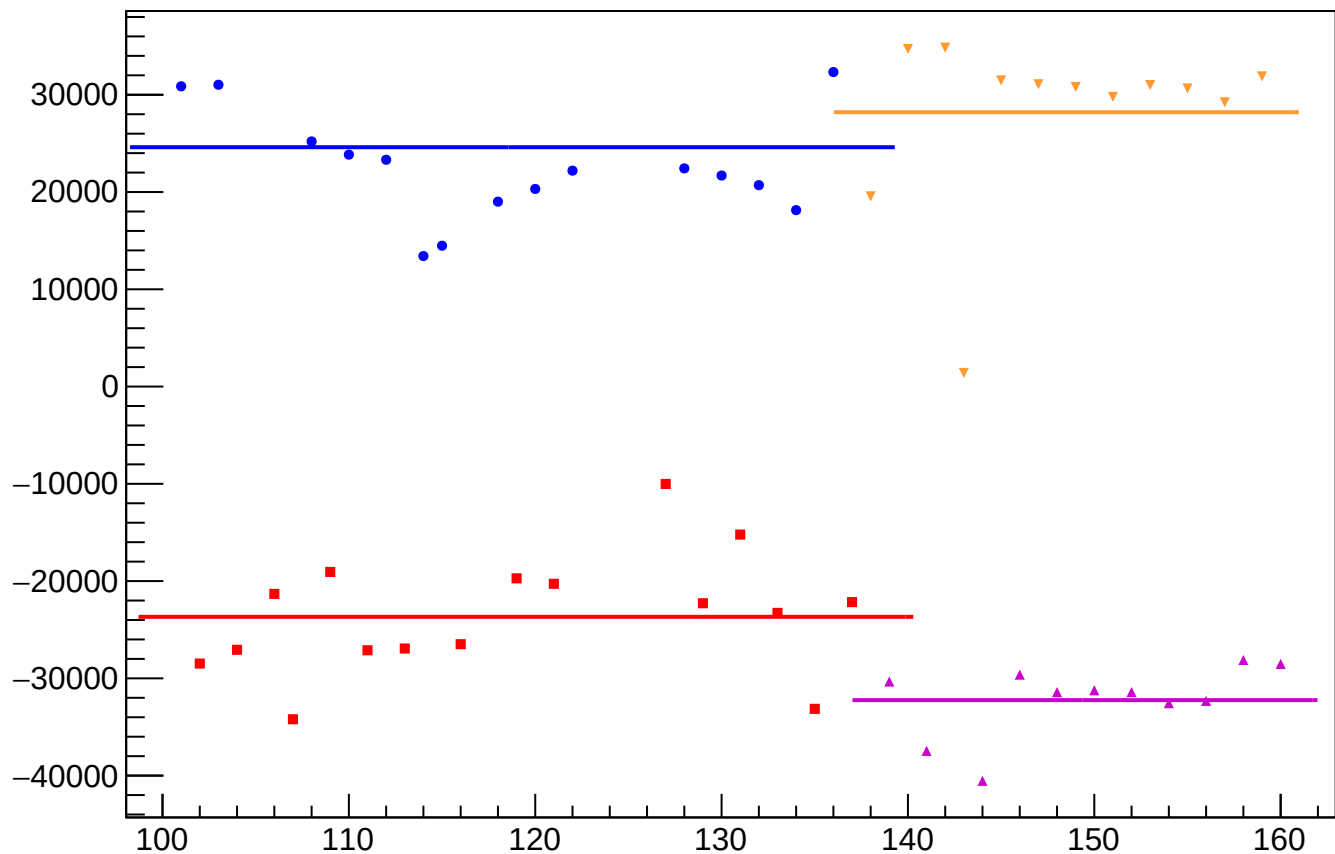
Right In: 574.055+/-0.000 χ^2/NDF : 152105229889160423018493709582390525952.0/14
 Left Out: 411.666+/-0.000 χ^2/NDF : 9310753562046919070067621560894619648.0/11
 Right Out: -1163.697+/-0.000 χ^2/NDF : 2003194396475465337190154787515183136768.0/15
 Left In: -405.371+/-0.000 χ^2/NDF : 8096374045117906535343483577494929408.0/10
 All: -126.921+/-0.000 χ^2/NDF : 35462064871

dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected



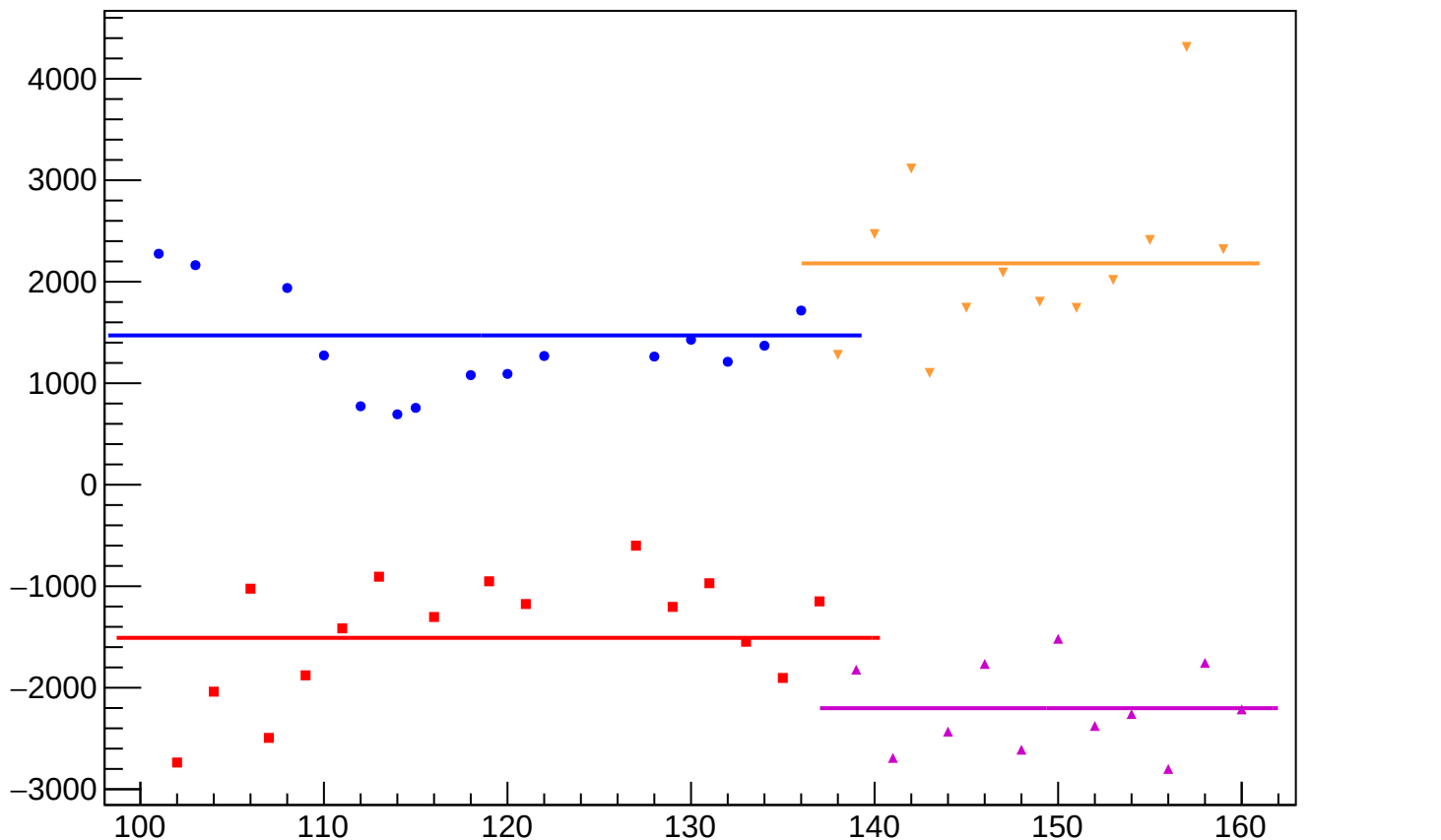
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.811+/-0.000	χ^2/NDF : 2828784455009896
Left Out: 1163.051+/-0.000	χ^2/NDF : 45744768397049445452124121981603807232.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.439+/-0.000	χ^2/NDF : 1951966106757194
	All: -25.475+/-0.000	χ^2/NDF : 443196140049	

dit_atl2_coil4_mean vs Slug, Sign Corrected



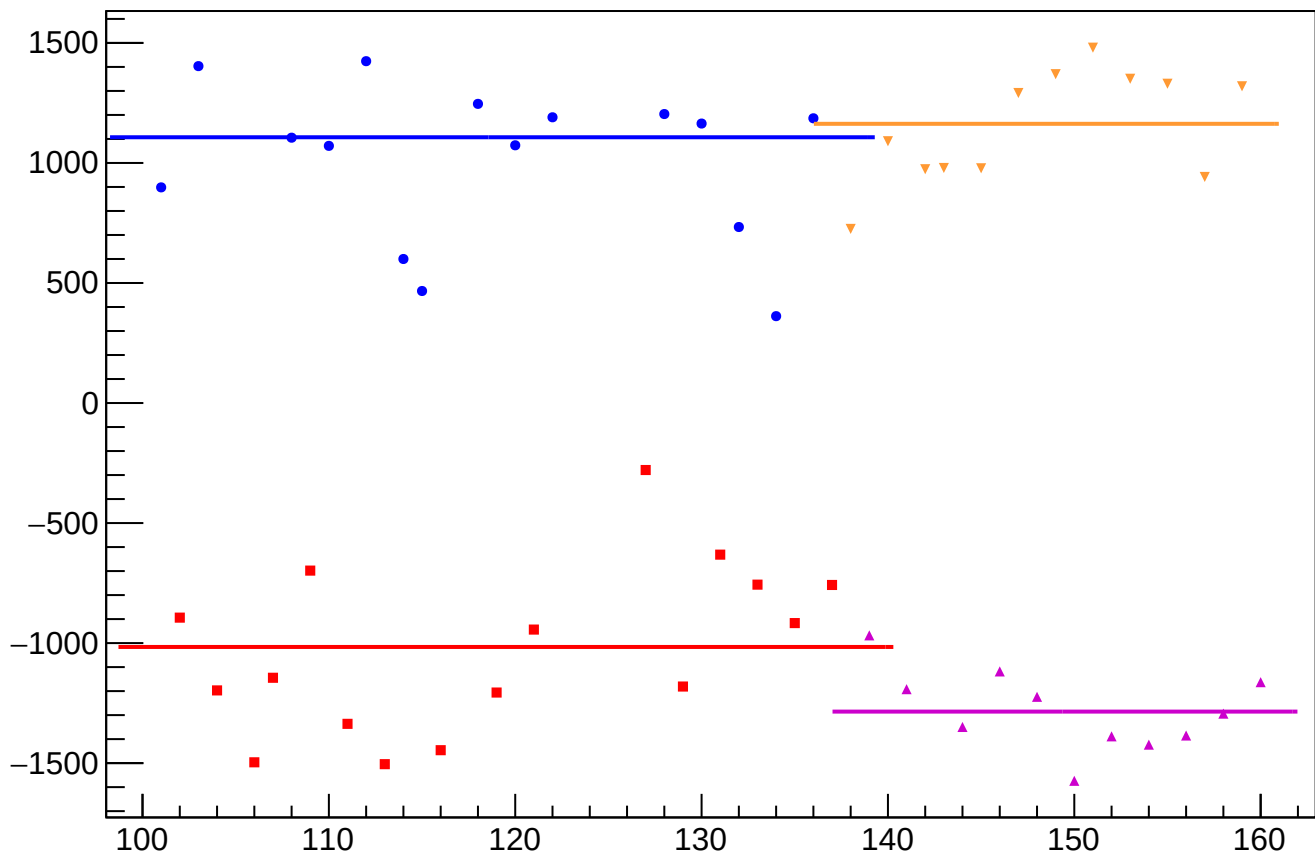
Right In: 24608.761+/-0.000 χ^2/NDF : 17555600427140701787636759084167268925440.0/14
 Left Out: 28209.767+/-0.000 χ^2/NDF : 64052588208815786501271136154217957294080.0/11
 Right Out: -23673.937+/-0.000 χ^2/NDF : 24824229344827567313624871677295341862912.0/15
 Left In: -32239.303+/-0.000 χ^2/NDF : 11931397875663177142812829998803541032960.0/10
 All: -1184.729+/-0.000 χ^2/NDF : 2570905684

dit_atl2_coil4_err_mean vs Slug, Sign Corrected



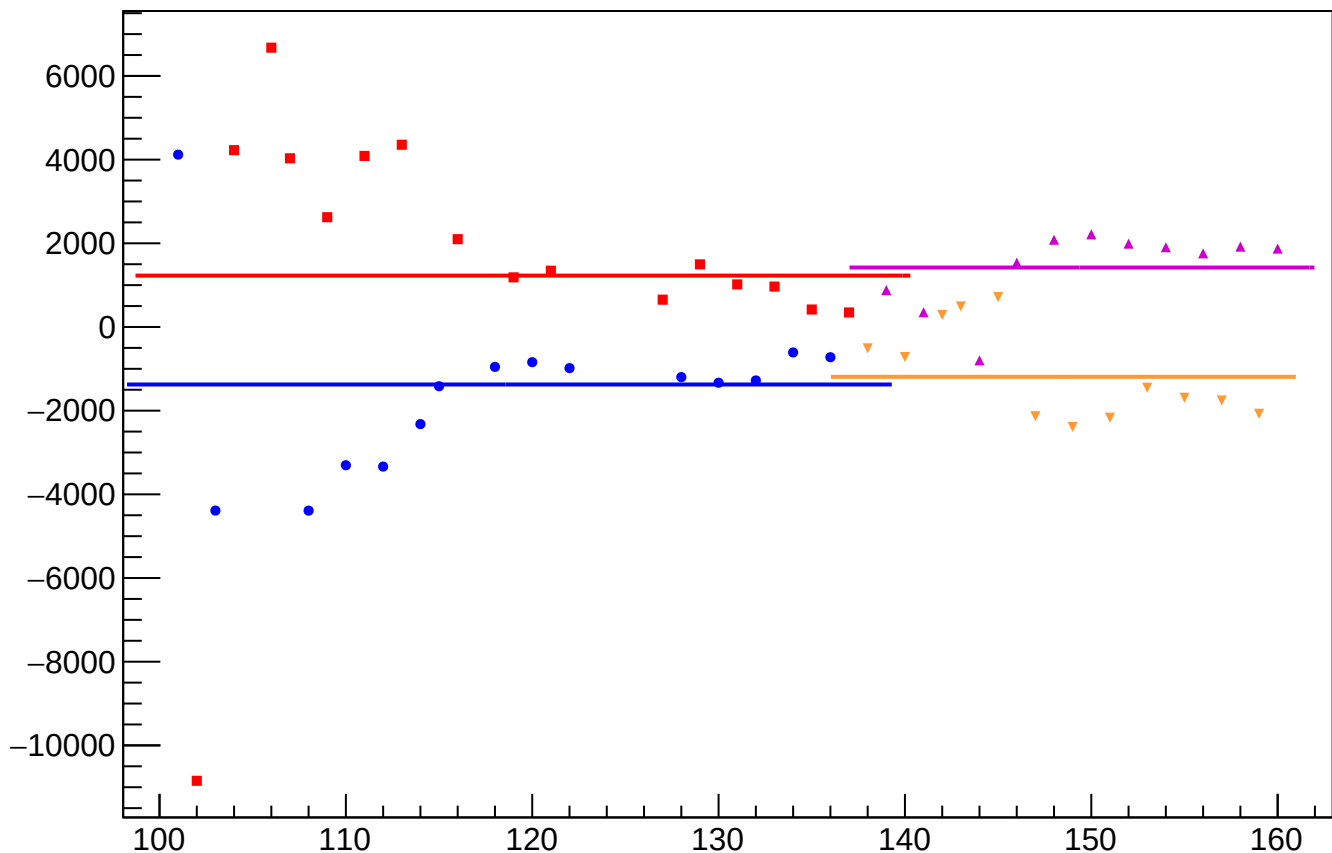
Right In: 1471.095+/-0.000 χ^2/NDF : 139174979420467841073894167956452016128.0/14
 Left Out: 2180.972+/-0.000 χ^2/NDF : 598703226121999788747151174026347413504.0/11
 Right Out: -1508.451+/-0.000 χ^2/NDF : 250085163770425050605763446985715613696.0/15
 Left In: -2201.571+/-0.000 χ^2/NDF : 156929124179690930619030229097962799104.0/10
 All: -27.145+/-0.000 χ^2/NDF : 129051743087

dit_atl2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 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: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_atr1_coil4_mean vs Slug, Sign Corrected



Right In: -1374.510+/-0.000

Left Out: -1191.069+/-0.000

Right Out: 1227.879+/-0.000

Left In: 1420.806+/-0.000

χ^2/NDF : 3072775774026573120755024580495322120192.0/14

χ^2/NDF : 1015662132878322627077441101495867015168.0/11

χ^2/NDF : 11115312999926623396466450218448622452736.0/15

χ^2/NDF : 747987085785920162637916932217361137664.0/10

Left: 119.834+/-0.000 χ^2/NDF : 49033799943357671

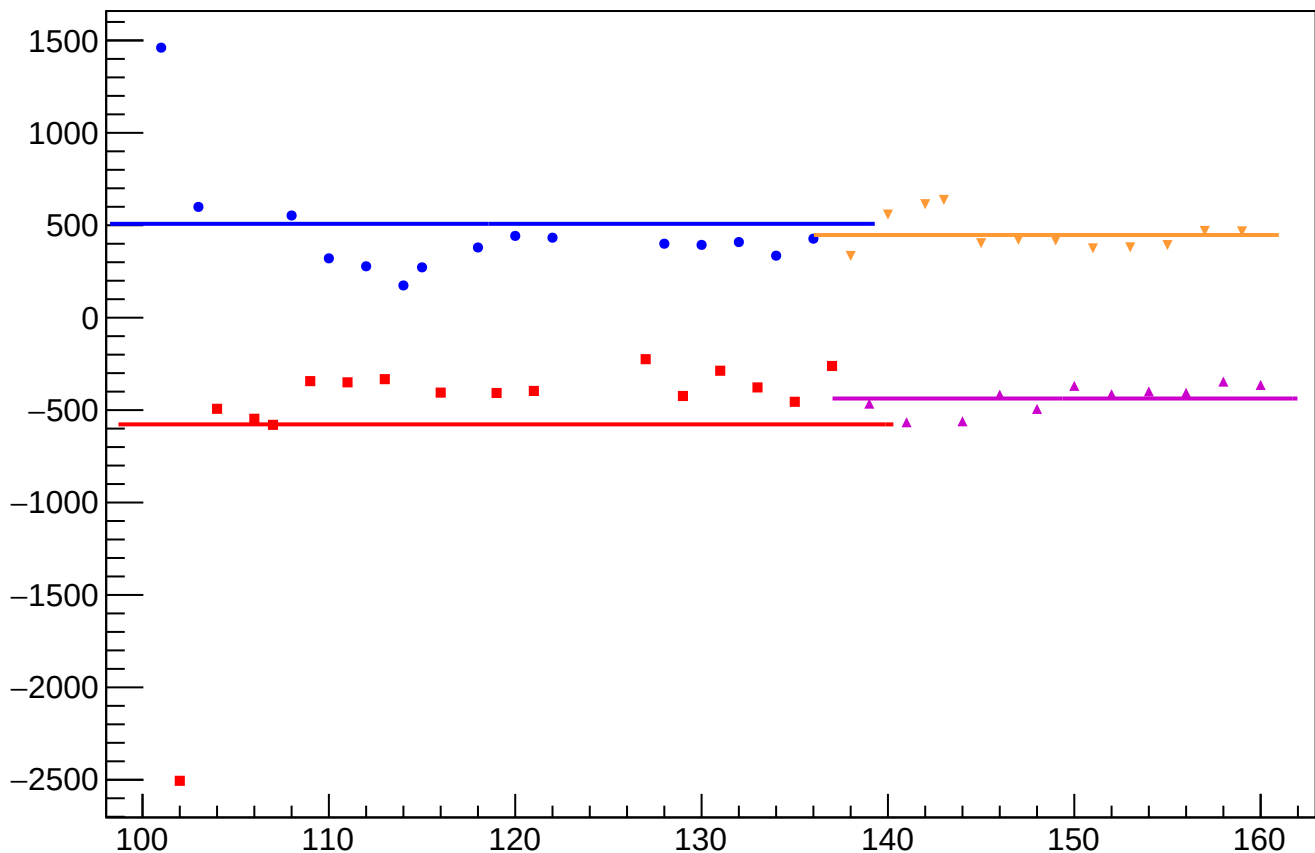
Right: -55.518+/-0.000 χ^2/NDF : 164158010761557

In: 267.494+/-0.000 χ^2/NDF : 67996212905624210

Out: -172.484+/-0.000 χ^2/NDF : 143903749815765

All: 46.739+/-0.000 χ^2/NDF : 2134277804715

dit_atr1_coil4_err_mean vs Slug, Sign Corrected



Right In: 507.809+/-0.000

χ^2/NDF : 64139927968444054596859613468220719104.0/14

Left Out: 447.436+/-0.000

χ^2/NDF : 7069072028969774638688985742751825920.0/11

Right Out: -577.250+/-0.000

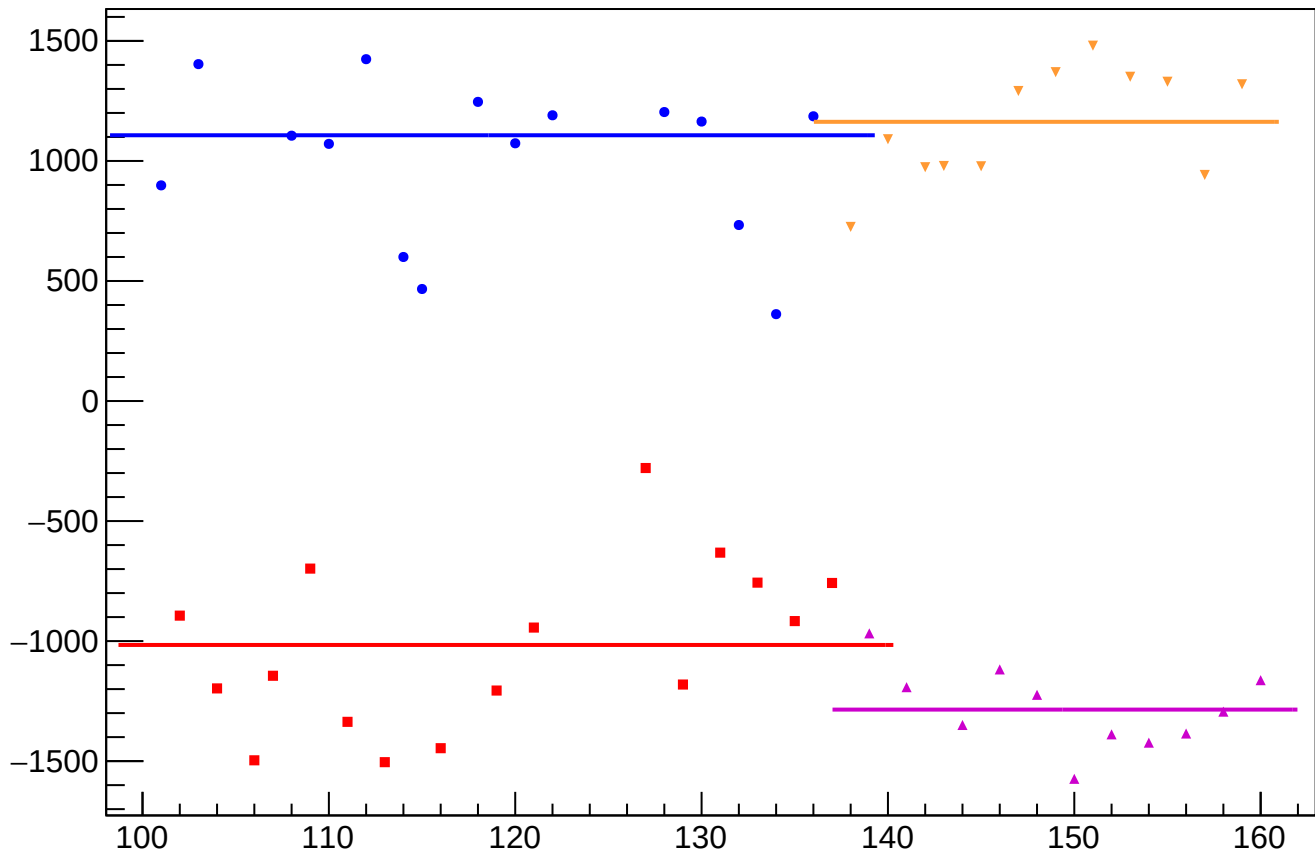
χ^2/NDF : 241288780642623391683958641535574081536.0/15

Left In: -437.315+/-0.000

χ^2/NDF : 4874677524968742275560761293986070528.0/10

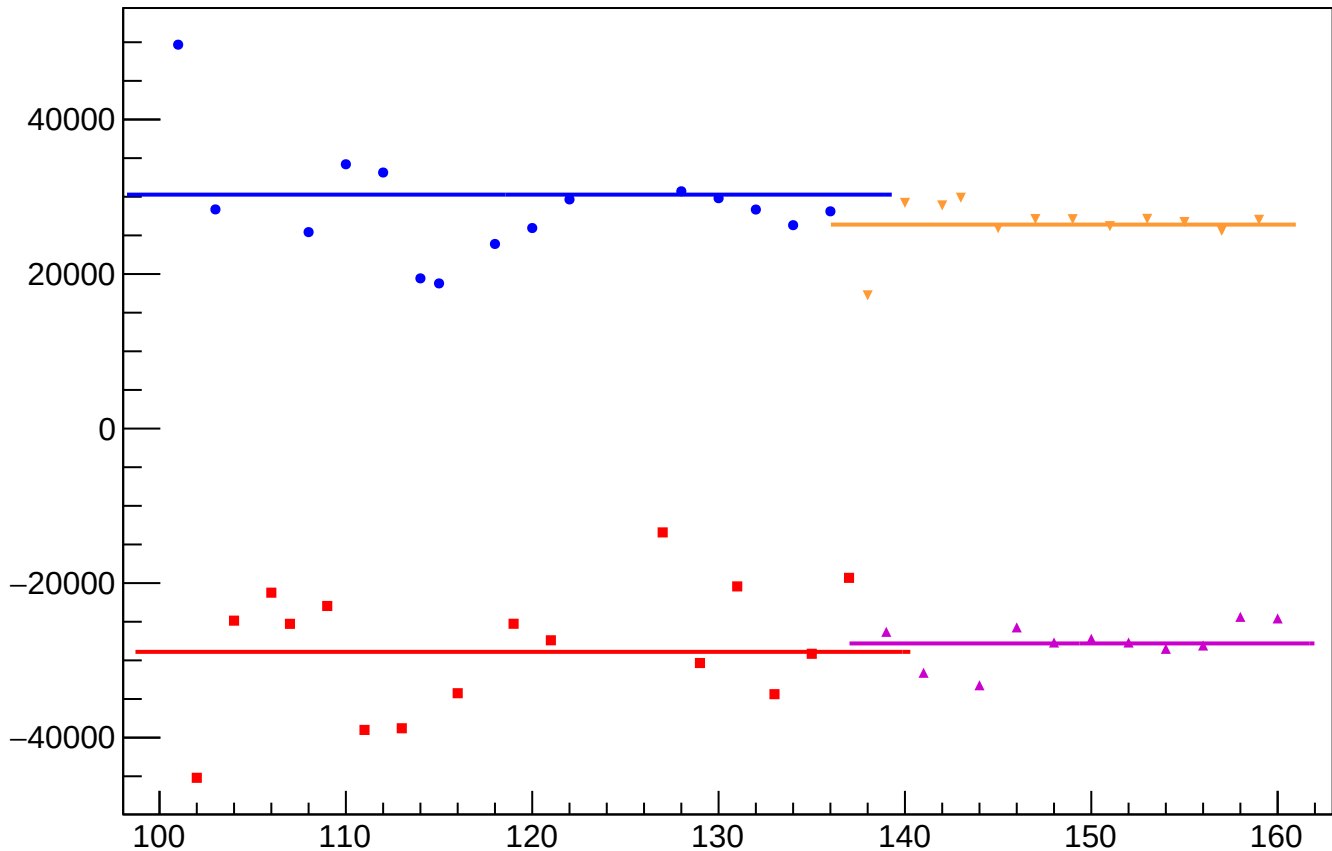
All: -15.597+/-0.000 χ^2/NDF : 106651113090

dit_atr1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.811+/-0.000	χ^2/NDF : 2828784455009896
Left Out: 1163.051+/-0.000	χ^2/NDF : 45744768397049445452124121981603807232.0/11	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: 245.439+/-0.000	χ^2/NDF : 1951966106757194
	All: -25.475+/-0.000	χ^2/NDF : 443196140049	

dit_atr2_coil4_mean vs Slug, Sign Corrected



Right In: 30277.649+/-0.000

χ^2/NDF : 30975974641524142453090022540760519278592.0/14

Left Out: 26400.073+/-0.000

χ^2/NDF : 8523453532066542574243439899008376504320.0/11

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: -806.637+/-0.000 χ^2/NDF : 136711048094445

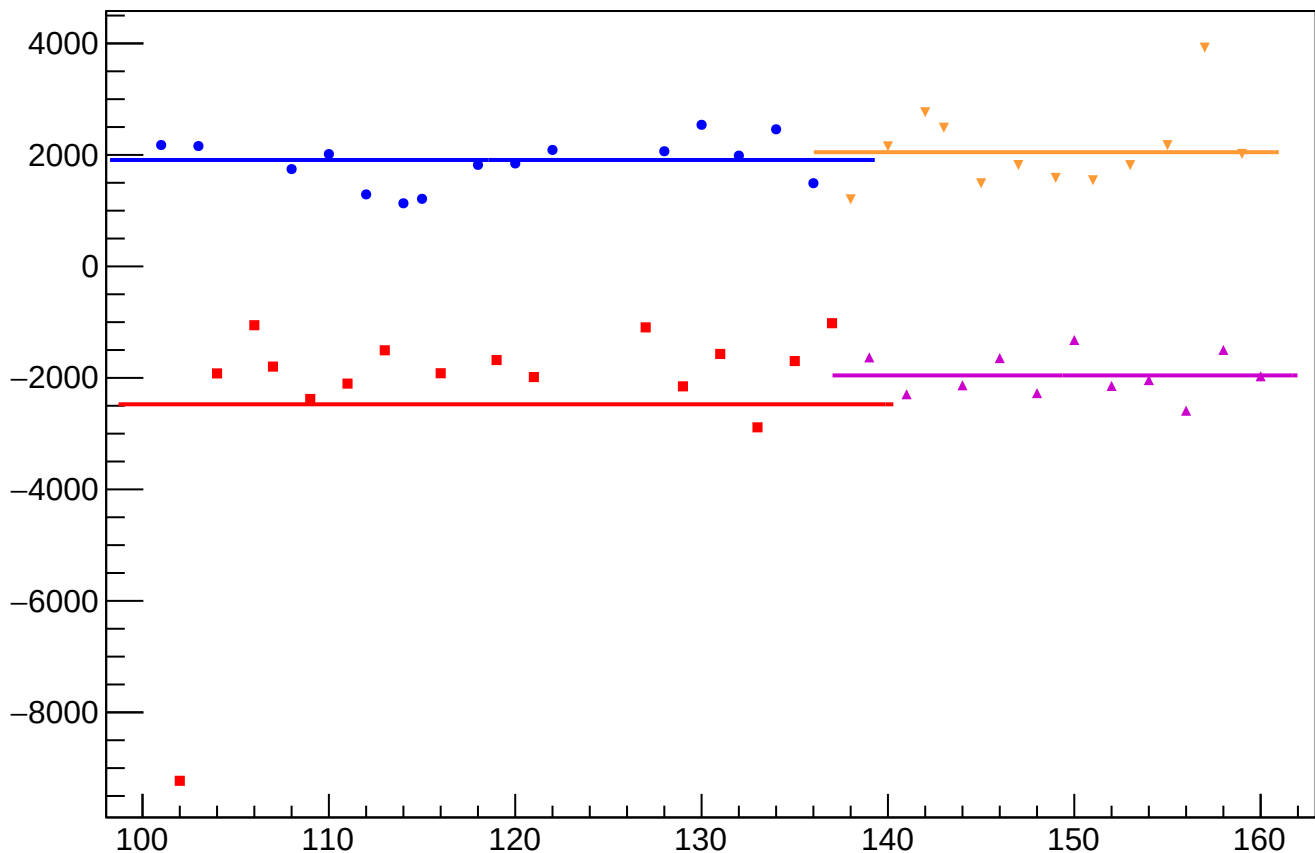
Right: 285.980+/-0.000 χ^2/NDF : 122974265906167

In: -3842.144+/-0.000 χ^2/NDF : 132338595511608

Out: 3115.545+/-0.000 χ^2/NDF : 123617666478077

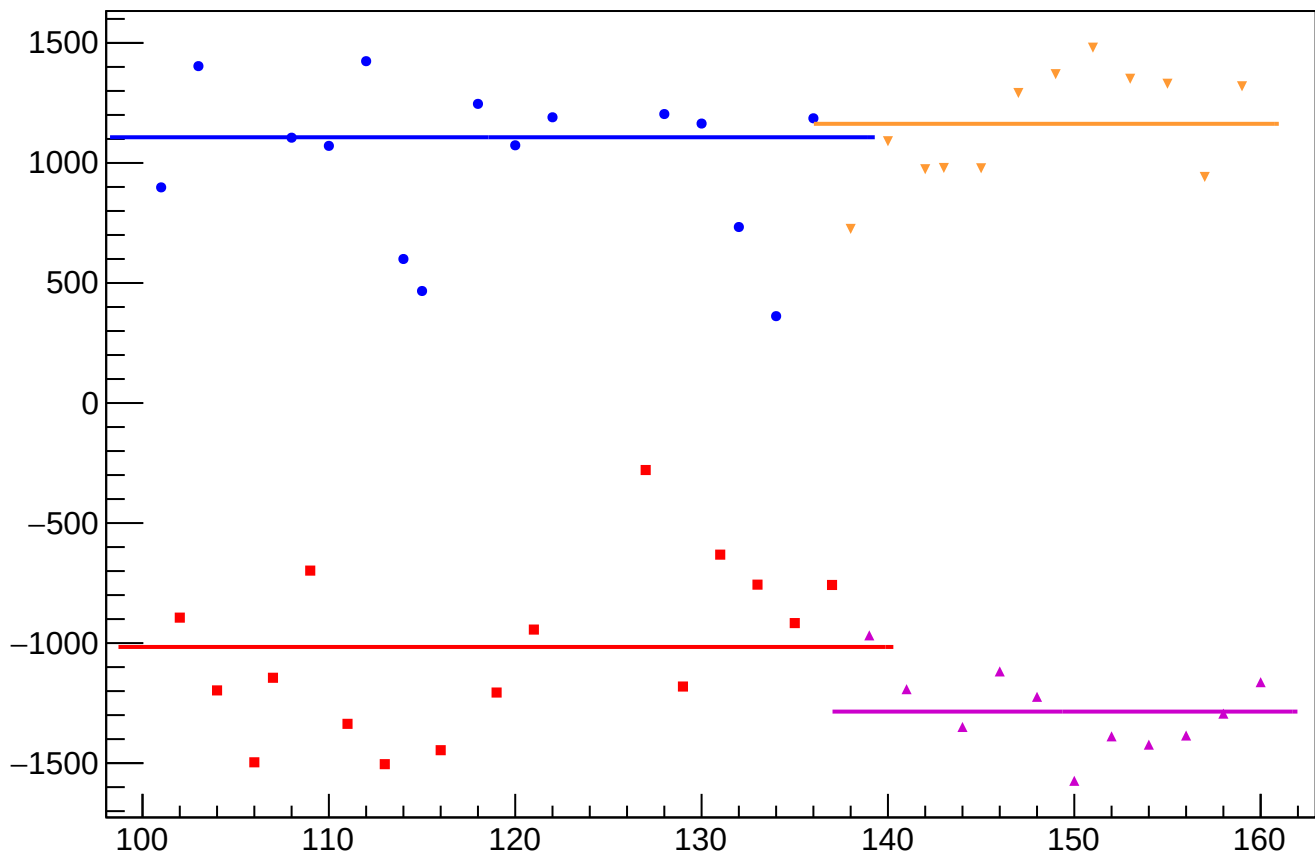
All: -351.178+/-0.000 χ^2/NDF : 25977693003

dit_atr2_coil4_err_mean vs Slug, Sign Corrected



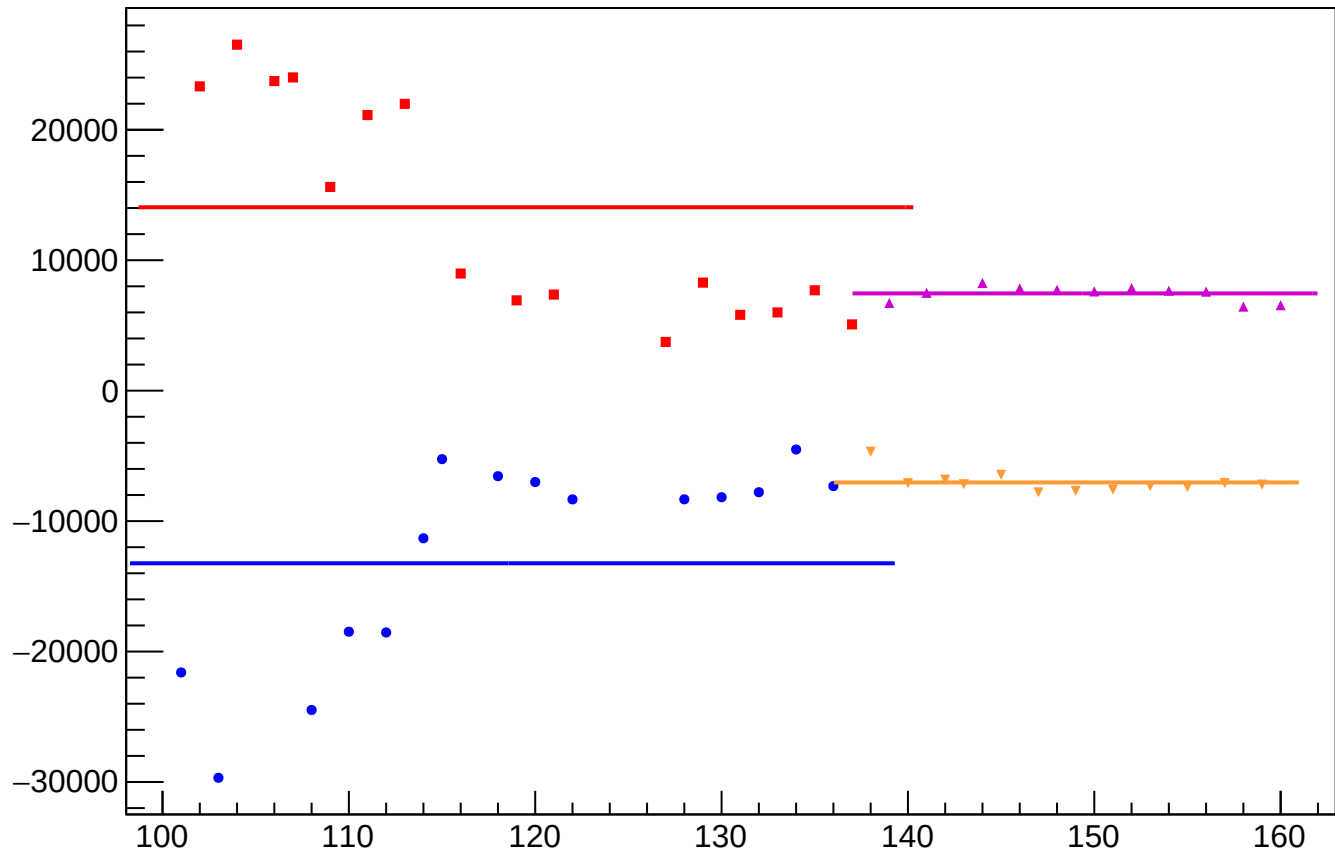
Right In: 1909.434+/-0.000 χ^2/NDF : 87636974094211671524177650165869445120.0/14
 Left Out: 2049.063+/-0.000 χ^2/NDF : 443721100999295515672674036348509749248.0/11
 Right Out: -2473.977+/-0.000 χ^2/NDF : 3033908025746418121738753286600386412544.0/15
 Left In: -1955.312+/-0.000 χ^2/NDF : 126909052383838166035294082177347616768.0/10
 All: -107.266+/-0.000 χ^2/NDF : 17487329271

dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected



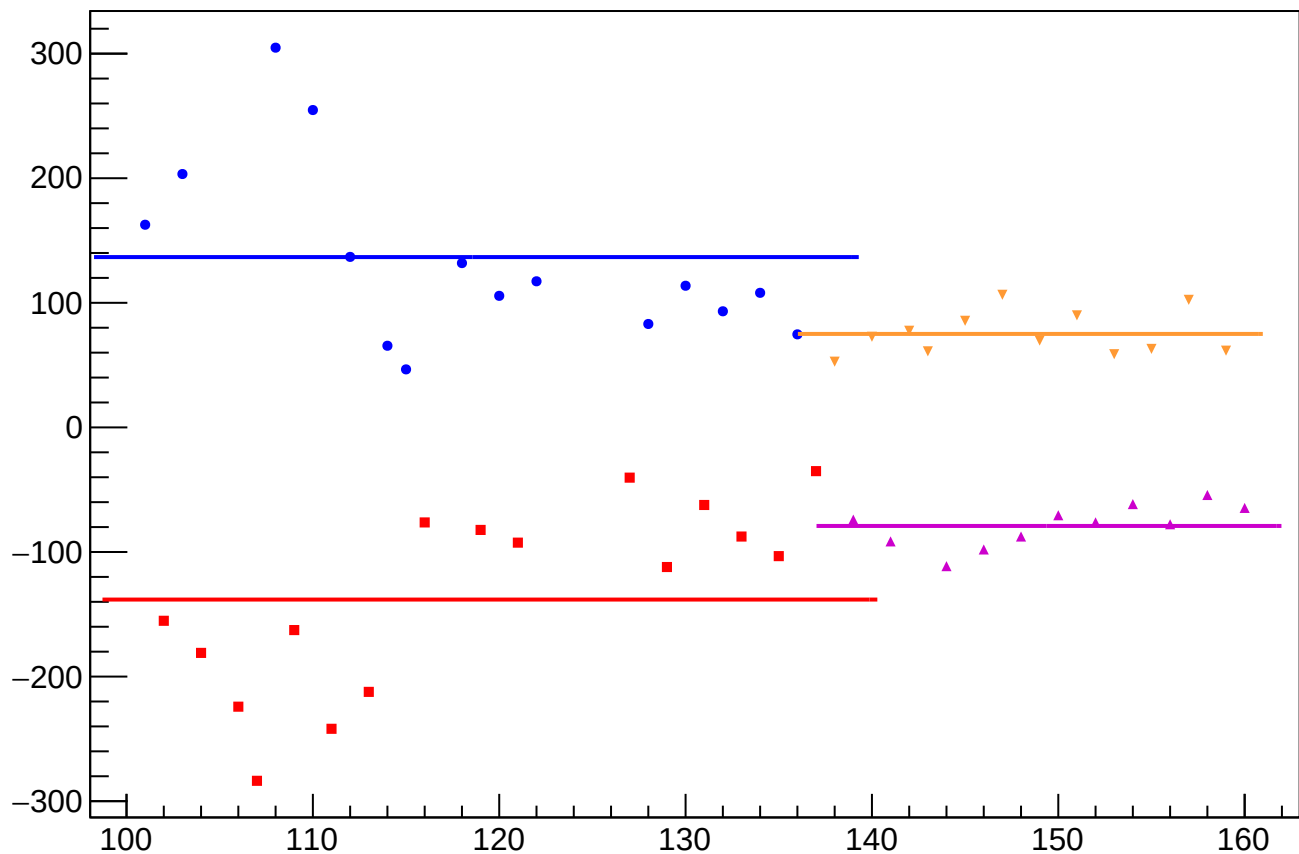
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam1_coil4_mean vs Slug, Sign Corrected



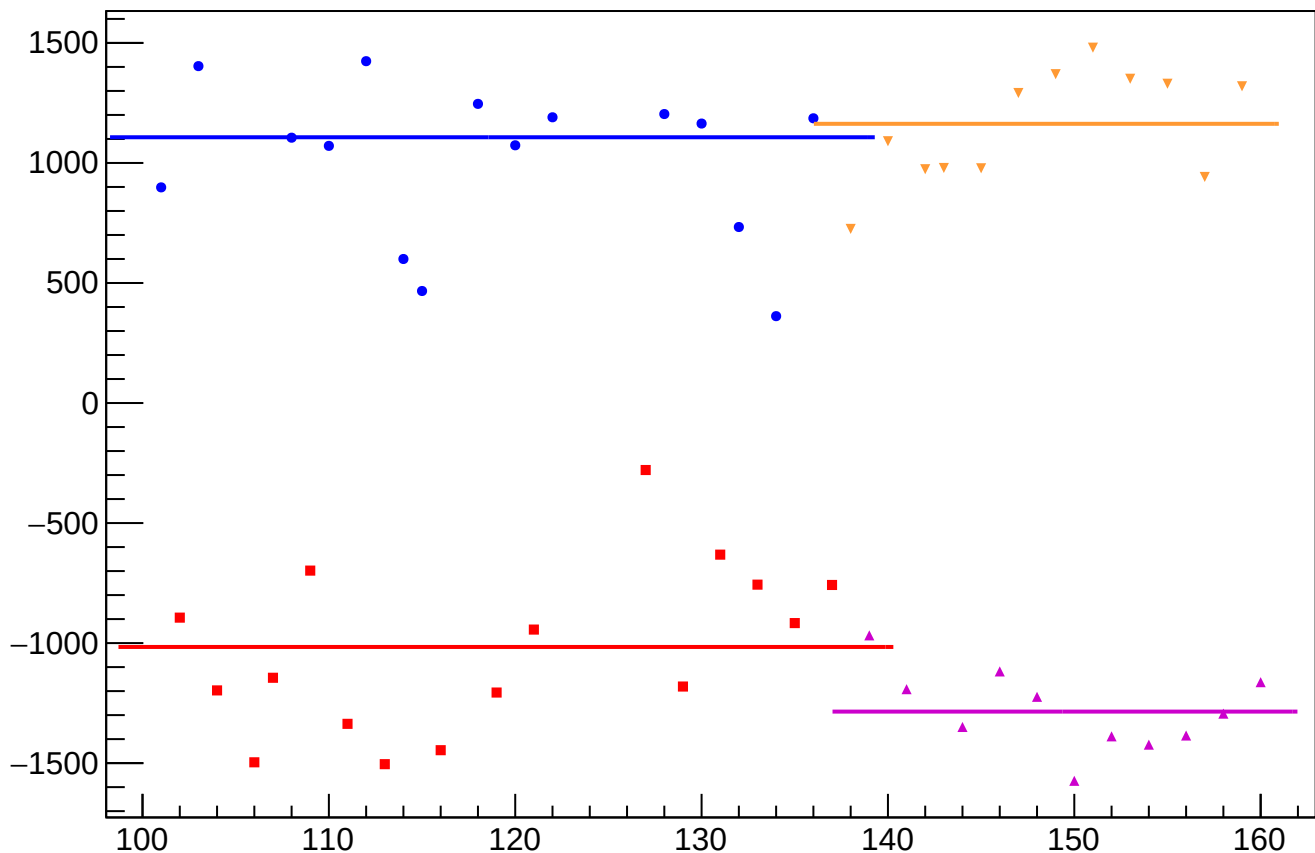
Right In: -13233.367+/-0.000 χ^2/NDF : 41257043836213043367596866559499640504320.0/14
 Left Out: -7034.420+/-0.000 χ^2/NDF : 586087700252049179265432435380023459840.0/11
 Right Out: 14060.103+/-0.000 χ^2/NDF : 44490594754280161766405556915711386845184.0/15
 Left In: 7456.124+/-0.000 χ^2/NDF : 284554324589778558842129447316923351040.0/10
 All: 389.145+/-0.000 χ^2/NDF : 428395904948

dit_sam1_coil4_err_mean vs Slug, Sign Corrected



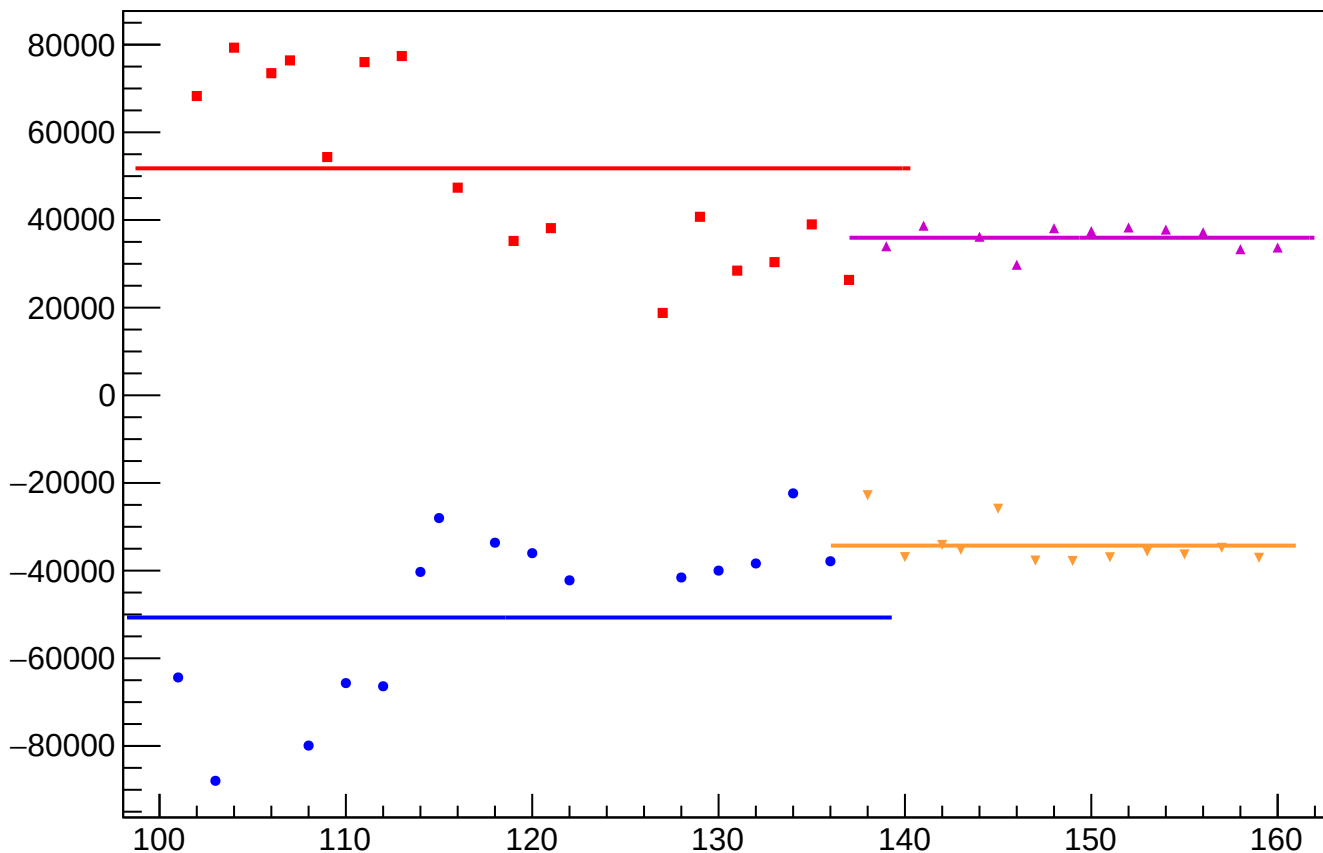
Right In: 136.711 $\pm$ 0.000 χ^2 /NDF: 2687065030885227126291764267456659456.0/14
 Left Out: 75.033 $\pm$ 0.000 χ^2 /NDF: 265697800274954088415608872374370304.0/11
 Right Out: -138.179 $\pm$ 0.000 χ^2 /NDF: 3230883352878636334641613561898467328.0/15
 Left In: -79.096 $\pm$ 0.000 χ^2 /NDF: 243975342218114768326270780809674752.0/10
 All: -2.445 $\pm$ 0.000 χ^2 /NDF: 4221727121021

dit_sam1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 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: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam2_coil4_mean vs Slug, Sign Corrected



Right In: -50695.424+/-0.000

Left Out: -34292.100+/-0.000

Right Out: 51783.912+/-0.000

Left In: 35949.660+/-0.000

χ^2/NDF : 226613585253908576683077761132188355526656.0/14

χ^2/NDF : 20273129403990820789866105908116664090624.0/11

χ^2/NDF : 281789617729131996271154198472617478848512.0/15

χ^2/NDF : 6535777806152232441815832130596699635712.0/10

Left: 962.319+/-0.000 χ^2/NDF : 2297605791567623

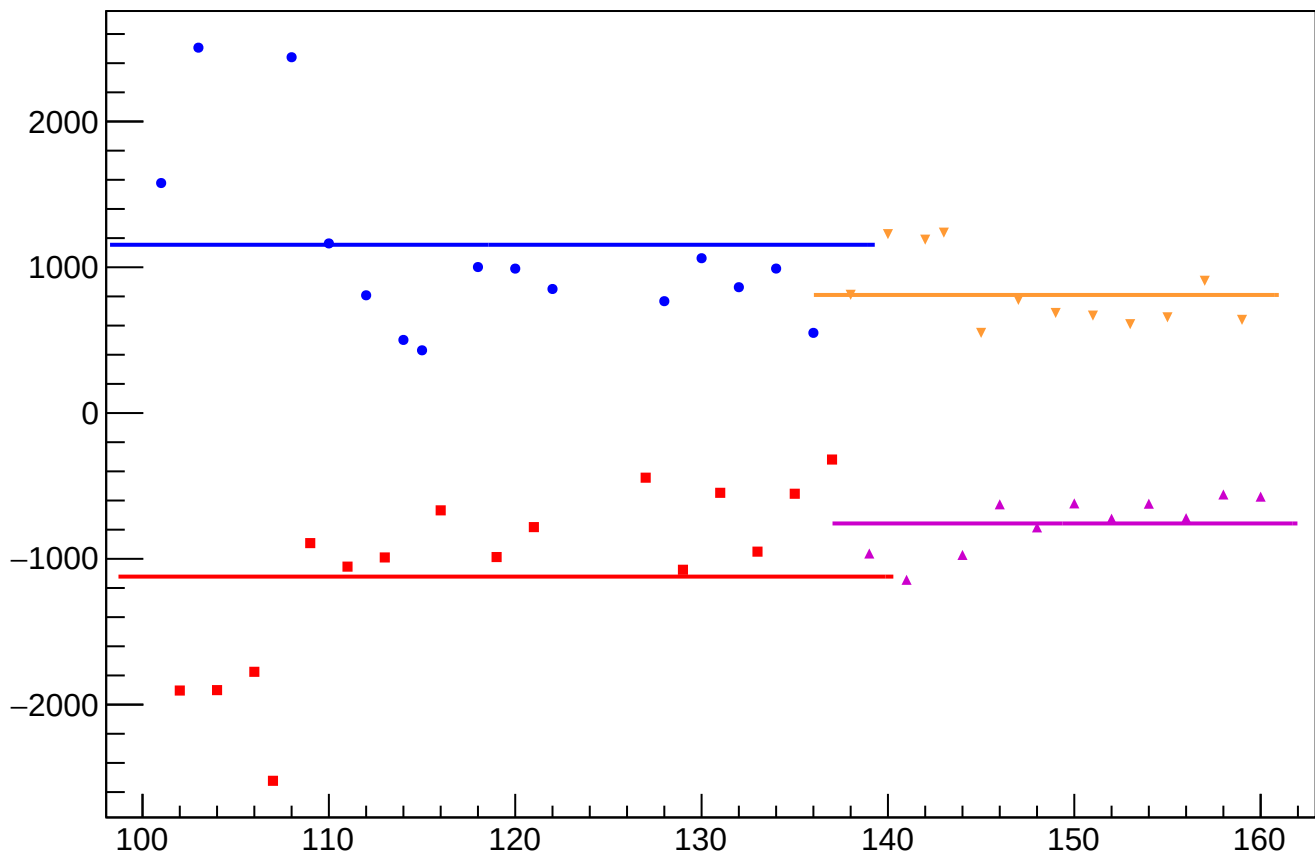
Right: 1245.090+/-0.000 χ^2/NDF : 39629195371379

In: 200.989+/-0.000 χ^2/NDF : 309519005844449410

Out: 1953.291+/-0.000 χ^2/NDF : 316297321958790

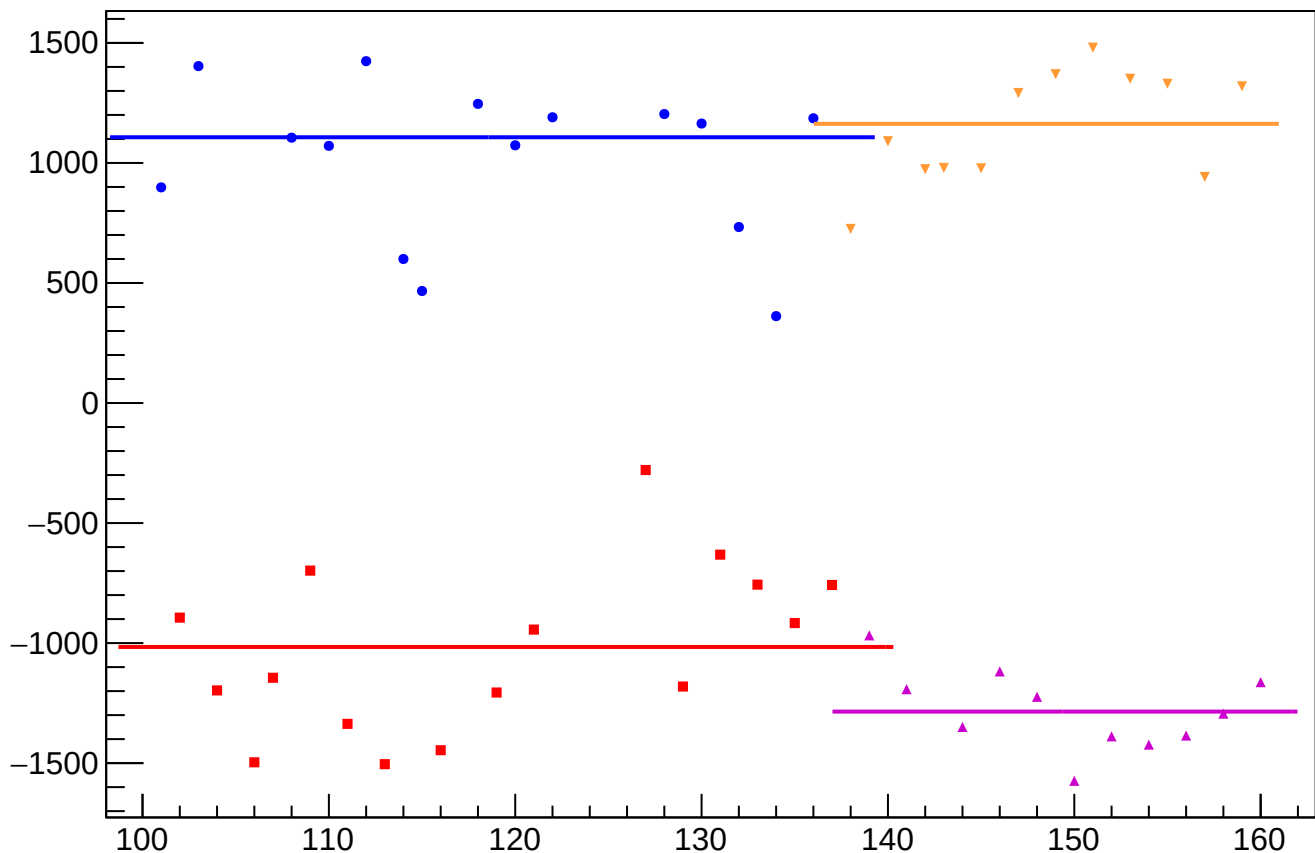
All: 1080.193+/-0.000 χ^2/NDF : 62605866913

dit_sam2_coil4_err_mean vs Slug, Sign Corrected



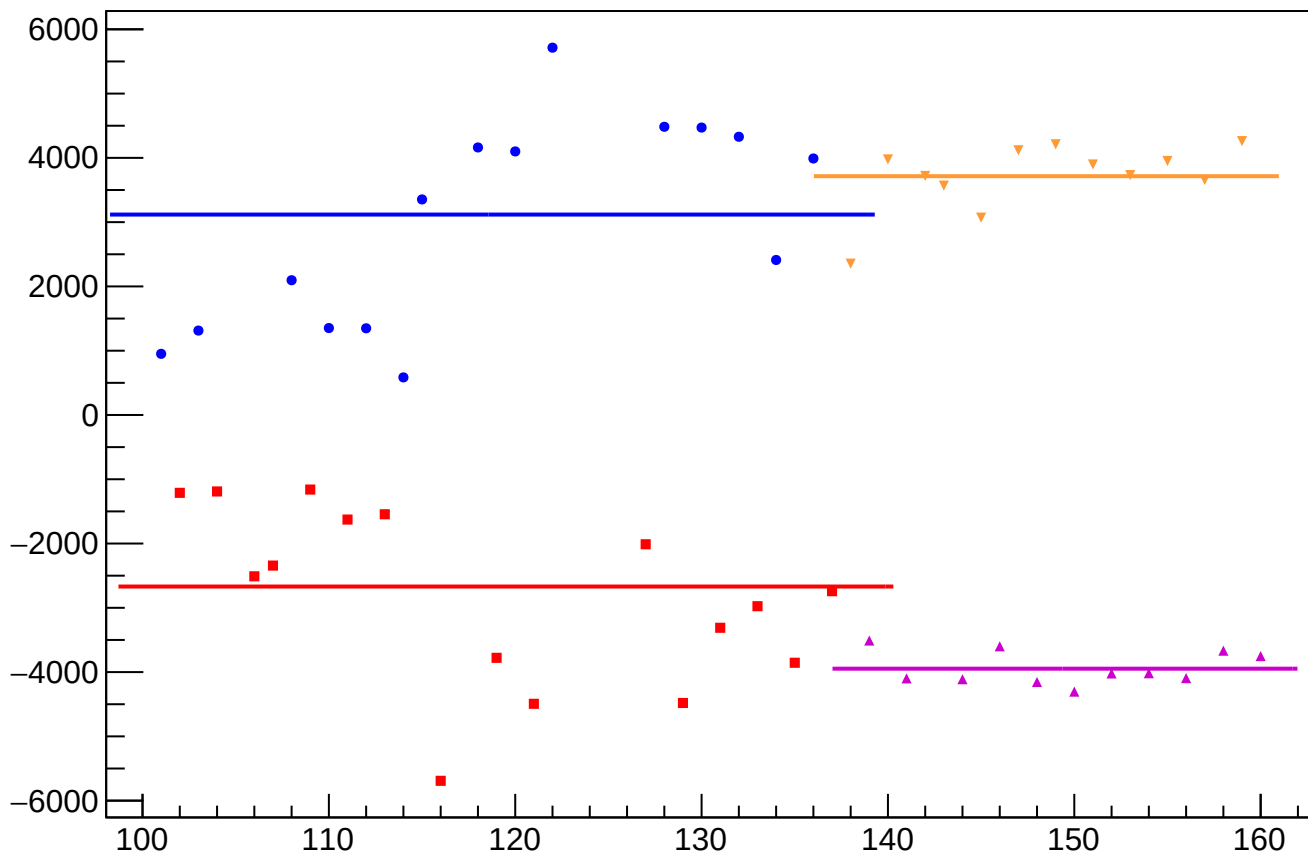
Right In: 1154.331+/-0.000 χ^2/NDF : 249270472563470703232737910394663731200.0/14
 Left Out: 810.109+/-0.000 χ^2/NDF : 49902289627136601603211934324001603584.0/11
 Right Out: -1121.934+/-0.000 χ^2/NDF : 226159335639567338179811644002797617152.0/15
 Left In: -757.349+/-0.000 χ^2/NDF : 31036557490853362173363612241828511744.0/10
 All: 13.909+/-0.000 χ^2/NDF : 3391906593651

dit_sam2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 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: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam3_coil4_mean vs Slug, Sign Corrected



Right In: 3117.914+/-0.000

χ^2/NDF : 1552738593335565674554918493159210090496.0/14

Left Out: 3714.902+/-0.000

χ^2/NDF : 249652403492940962475363372882127224832.0/11

Right Out: -2668.794+/-0.000

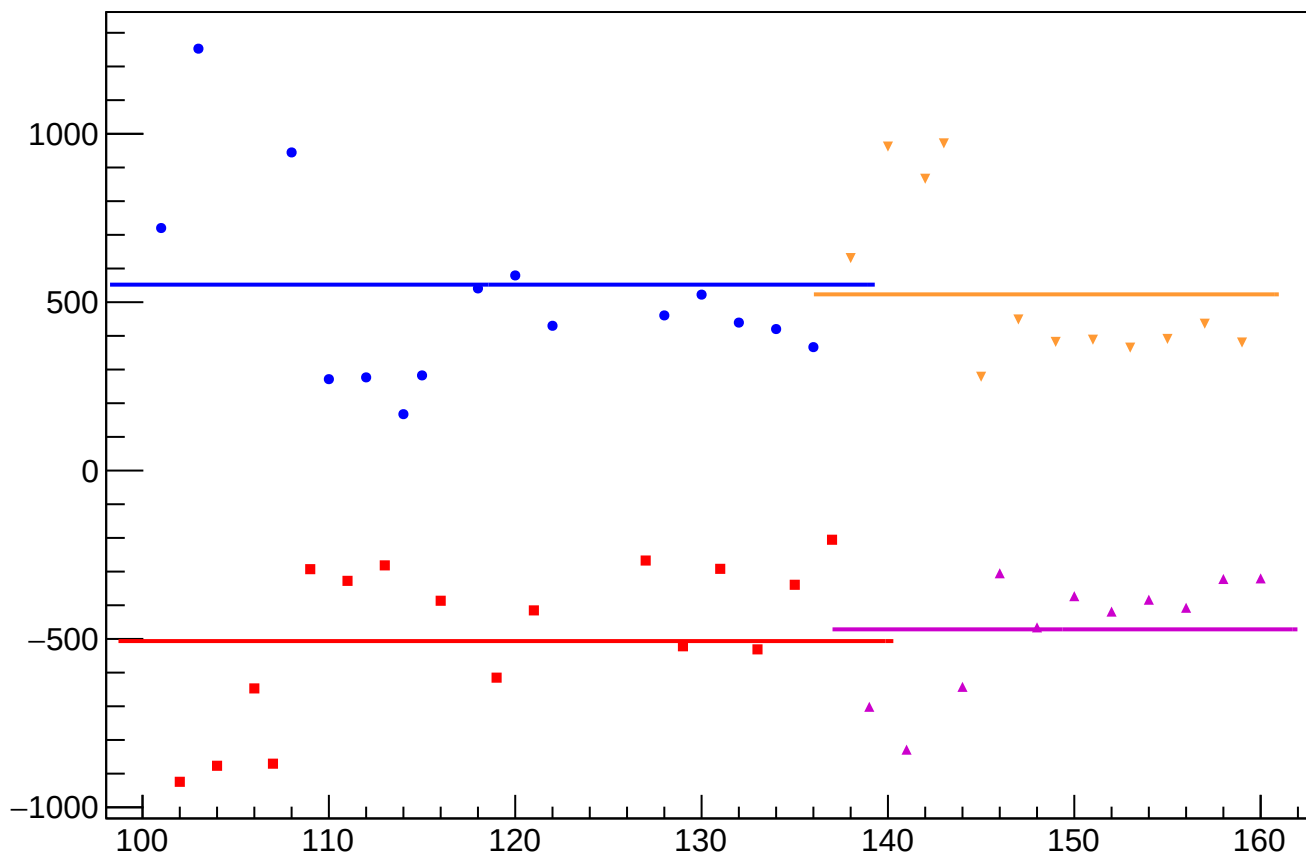
χ^2/NDF : 1136406286131098596000054422131257114624.0/15

Left In: -3947.046+/-0.000

χ^2/NDF : 56963661018859057070812095134472077312.0/10

All: 0.930+/-0.000 χ^2/NDF : 41105827728320

dit_sam3_coil4_err_mean vs Slug, Sign Corrected



Right In: 552.108 +/- 0.000 χ^2/NDF : 50739041741159119848523988236001869824.0/14

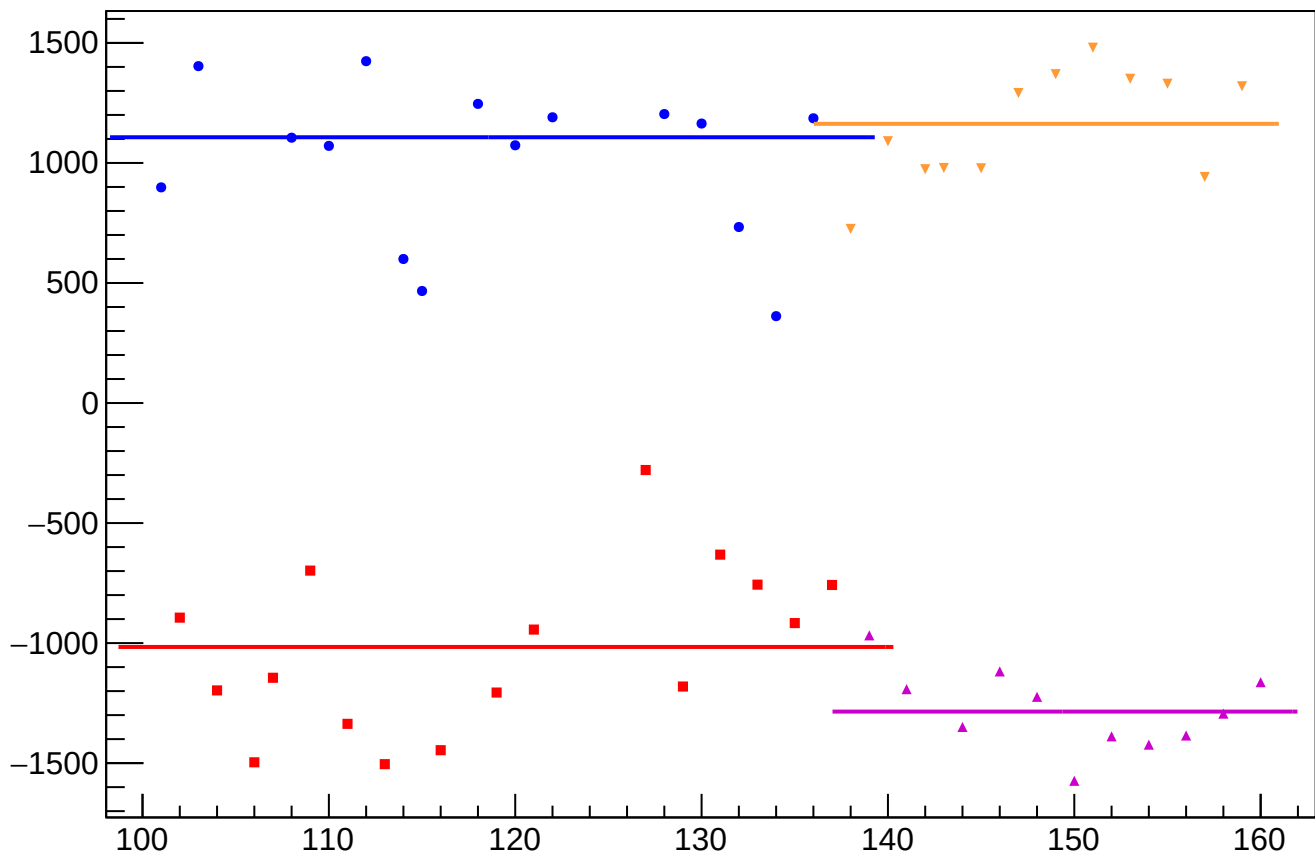
Left Out: 523.267 +/- 0.000 χ^2/NDF : 49702866244992097410386834059494948864.0/11

Right Out: -506.345 +/- 0.000 χ^2/NDF : 37181653297314883501659131806010572800.0/15

Left In: -471.540 +/- 0.000 χ^2/NDF : 25680884477827715914944205366363160576.0/10

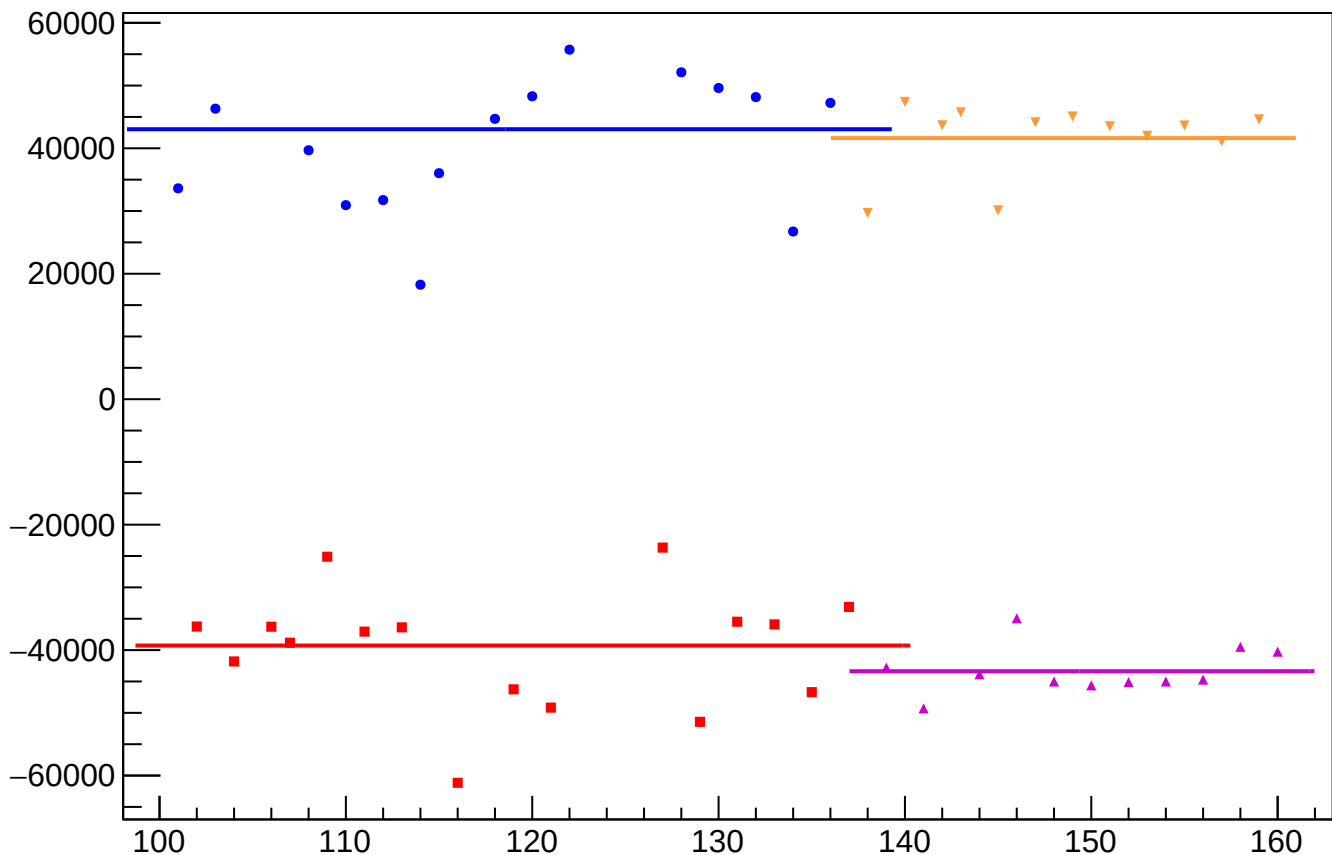
All: 20.500 +/- 0.000 χ^2/NDF : 9873505575210

dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 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: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam4_coil4_mean vs Slug, Sign Corrected



Right In: 43039.927+/-0.000

χ^2/NDF : 48397052922561722652666786407552179503104.0/14

Left Out: 41622.622+/-0.000

χ^2/NDF : 28728414397722339003377552504288532496384.0/11

Right Out: -39269.627+/-0.000

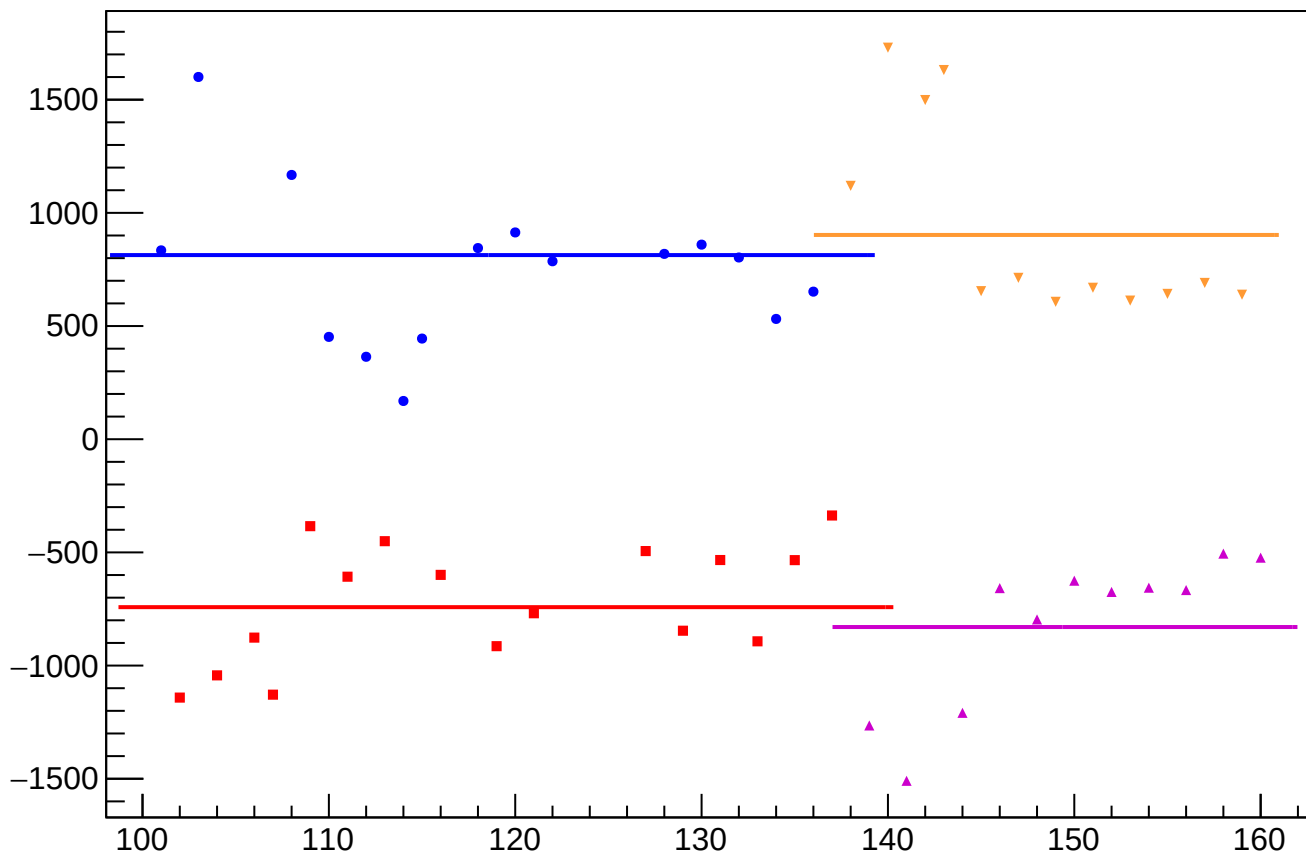
χ^2/NDF : 51873036517757666237545716605051585167360.0/15

Left In: -43364.892+/-0.000

χ^2/NDF : 12209695723681592241000188414954802511872.0/10

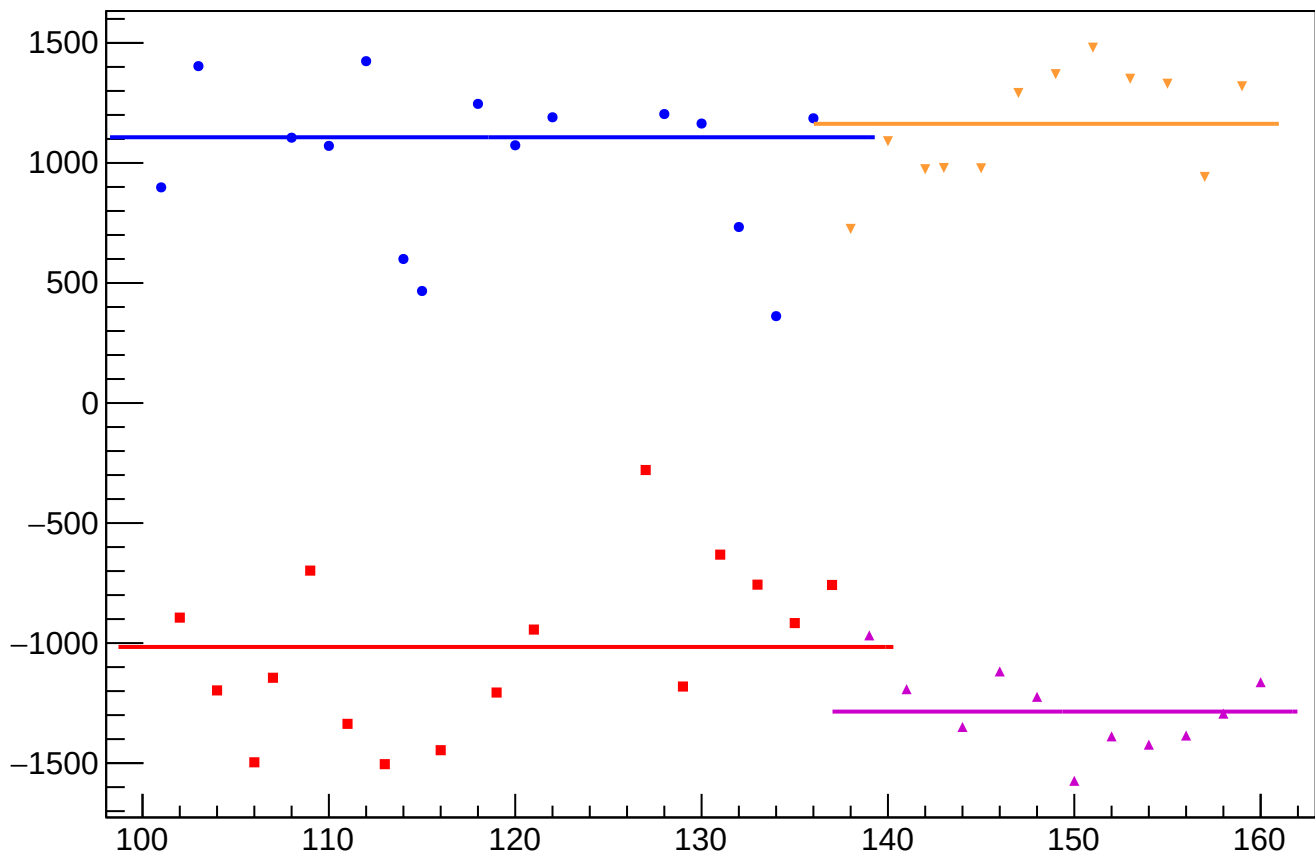
All: -51.044+/-0.000 χ^2/NDF : 569825828480

dit_sam4_coil4_err_mean vs Slug, Sign Corrected



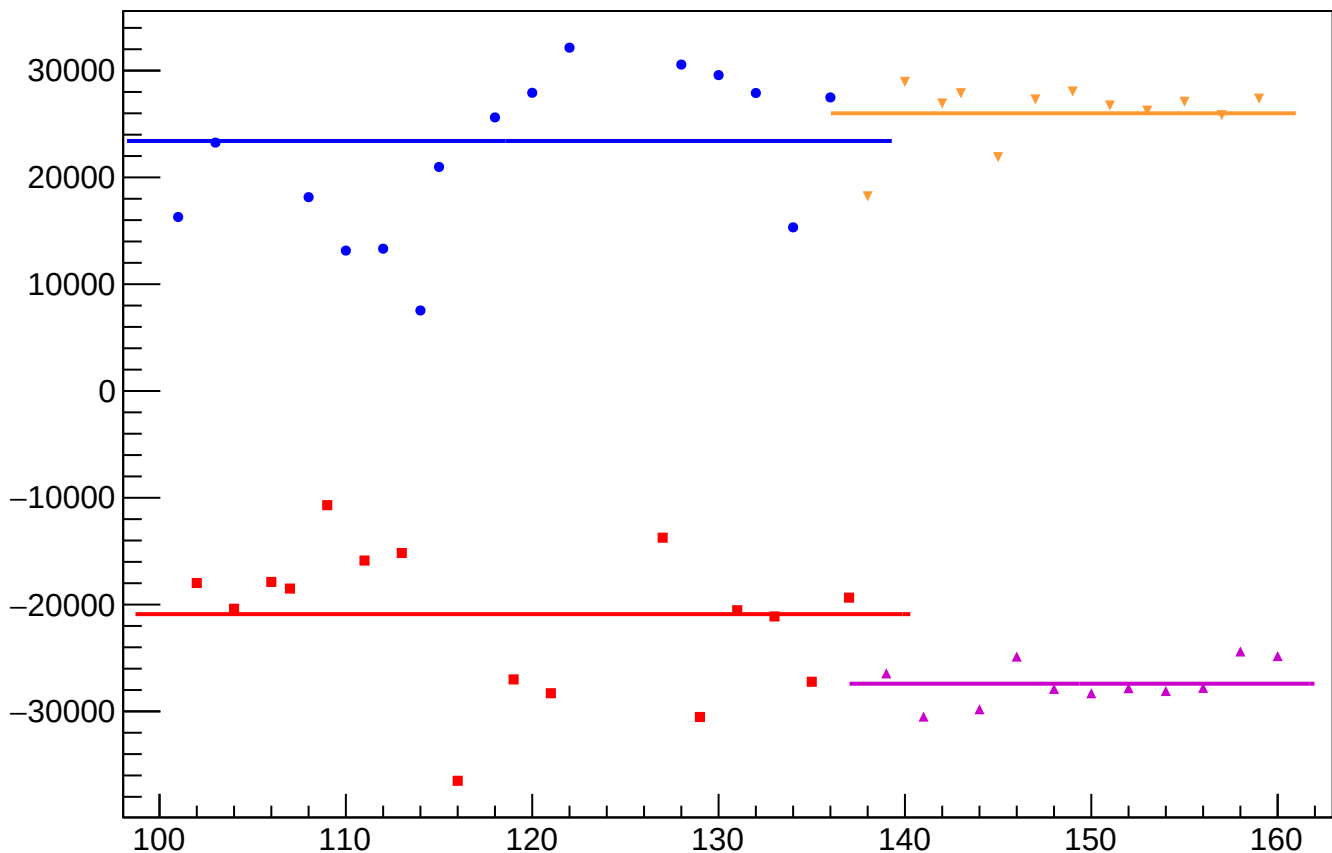
Right In: 813.500+/-0.000 χ^2/NDF : 67120916816548237638948787518351343616.0/14
 Left Out: 902.421+/-0.000 χ^2/NDF : 152718326074036425760692281422815166464.0/11
 Right Out: -741.911+/-0.000 χ^2/NDF : 44074134397215409235604746432671645696.0/15
 Left In: -829.715+/-0.000 χ^2/NDF : 96077836071623048341749512260917657600.0/10
 All: 29.766+/-0.000 χ^2/NDF : 253670777775

dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected



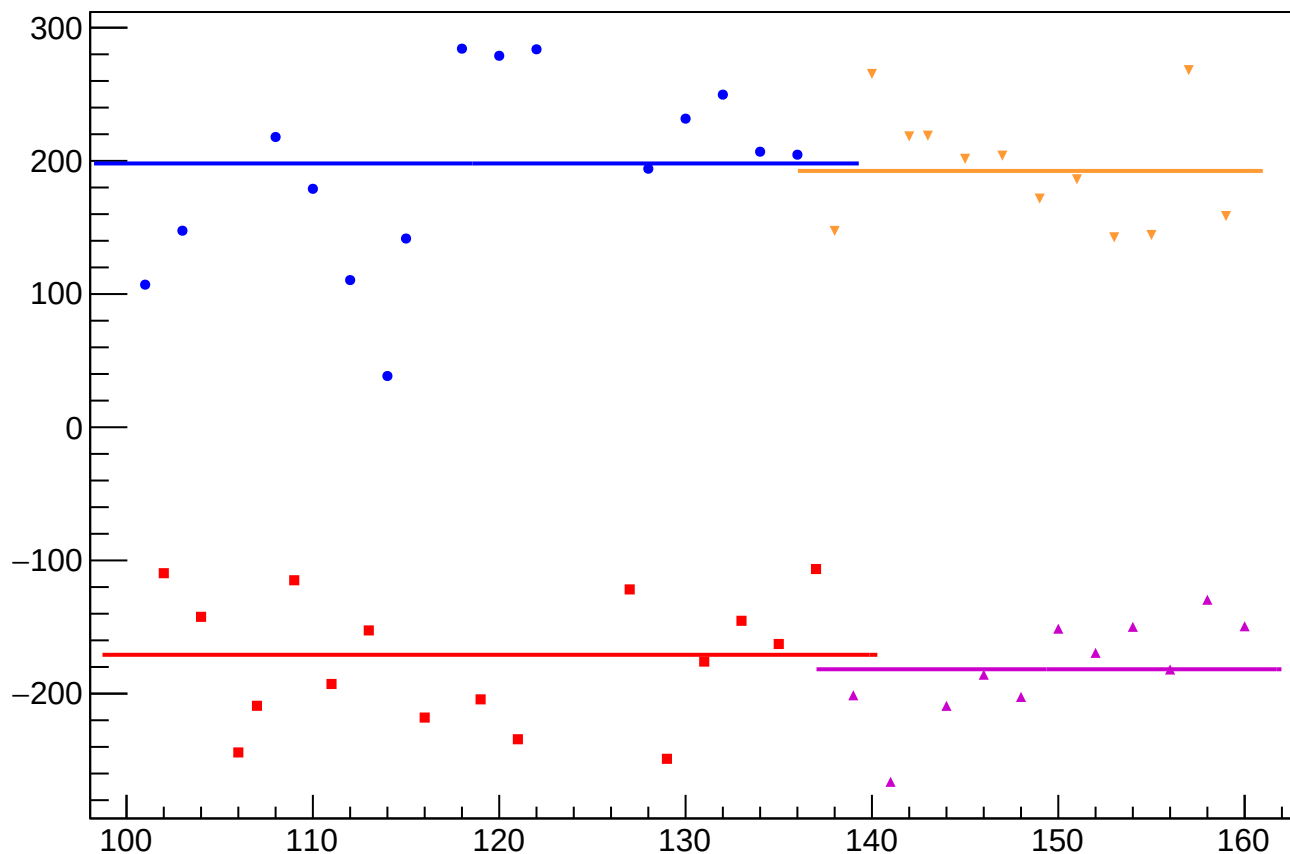
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam5_coil4_mean vs Slug, Sign Corrected



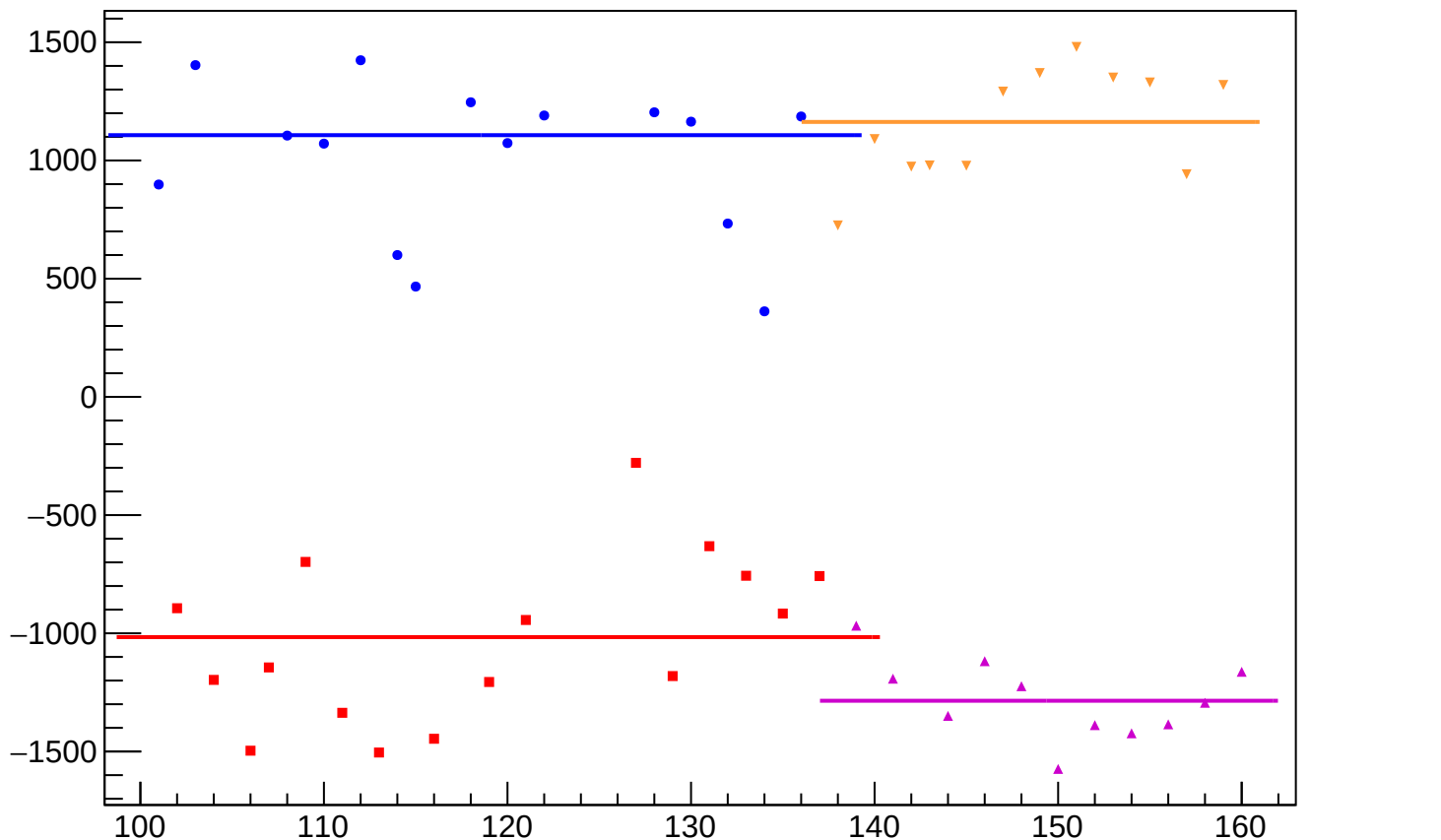
Right In: 23411.506+/-0.000	χ^2/NDF : 28427457471780319352885746571315708428288.0/14	Left: -803.129+/-0.000	χ^2/NDF : 132413113265700
Left Out: 26004.082+/-0.000	χ^2/NDF : 7839626408572155503333833682521065259008.0/11	Right: 955.690+/-0.000	χ^2/NDF : 701538889846229
Right Out: -20894.122+/-0.000	χ^2/NDF : 27408965804578649107002909409987218374656.0/15	In: -6440.074+/-0.000	χ^2/NDF : 101629631311626
Left In: -27407.255+/-0.000	χ^2/NDF : 3322659858866093858426557456838465421312.0/10	Out: 6255.912+/-0.000	χ^2/NDF : 884531572678742
	All: -69.963+/-0.000		χ^2/NDF : 202804400443

dit_sam5_coil4_err_mean vs Slug, Sign Corrected



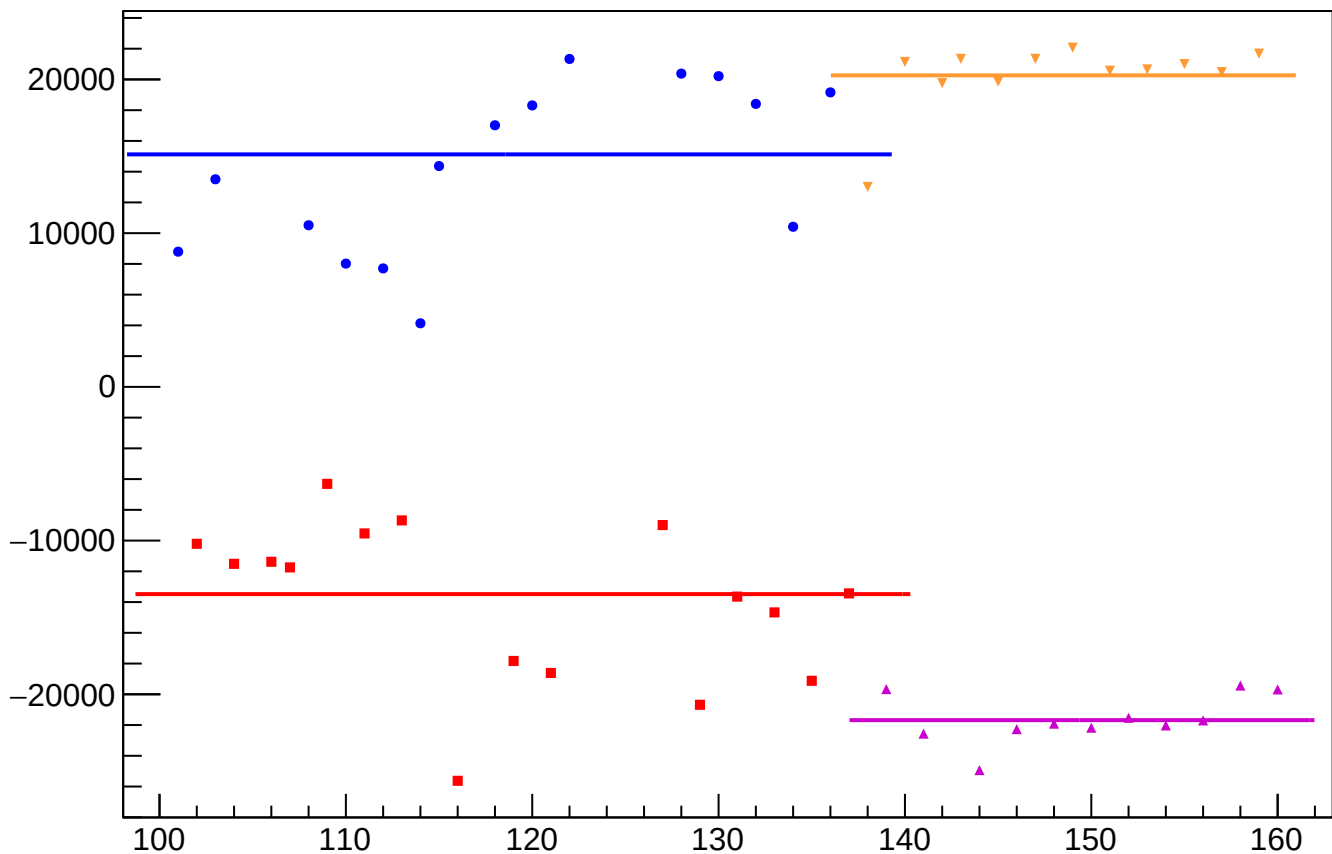
Left: 4.659 +/- 0.000 χ^2/NDF : 673295377077920579
 Right: 11.079 +/- 0.000 χ^2/NDF : 4866728486717223
 In: -25.024 +/- 0.000 χ^2/NDF : 58693744329544084
 Out: 39.470 +/- 0.000 χ^2/NDF : 54051842514389313
 All: 7.335 +/- 0.000 χ^2/NDF : 11602845510853

dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected



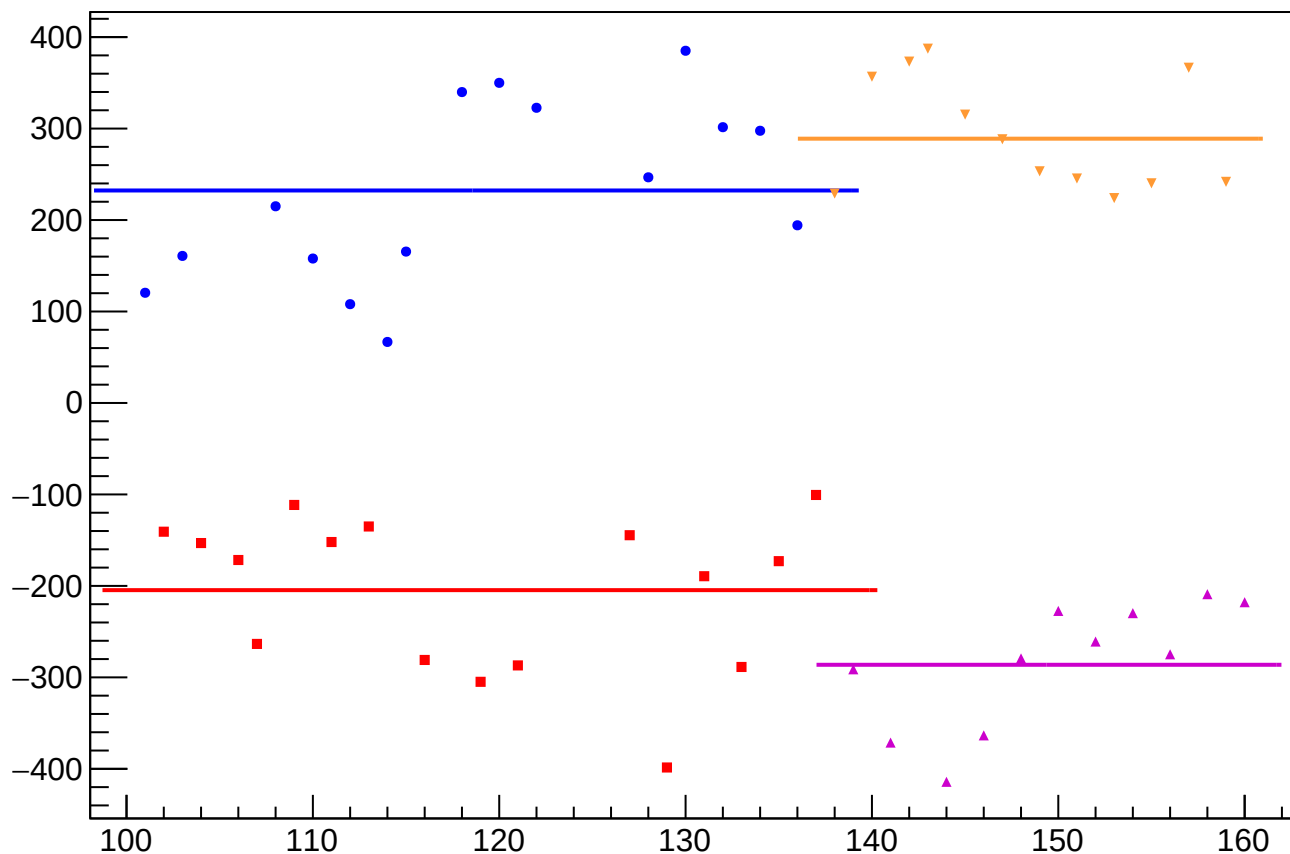
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam6_coil4_mean vs Slug, Sign Corrected



Right In: 15125.834 $\pm$ 0.000 χ^2 /NDF: 16615438767664069151744668380763246297088.0/14
 Left Out: 20266.540 $\pm$ 0.000 χ^2 /NDF: 4863660224752470739172242695454111825920.0/11
 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: -197.985 $\pm$ 0.000 χ^2 /NDF: 11200933497

dit_sam6_coil4_err_mean vs Slug, Sign Corrected



Right In: 232.312 $\pm$ 0.000

χ^2 /NDF: 5478184144885833956204804001180418048.0/14

Left Out: 288.949 $\pm$ 0.000

χ^2 /NDF: 3144080021405635930356092886432350208.0/11

Right Out: -204.637 $\pm$ 0.000

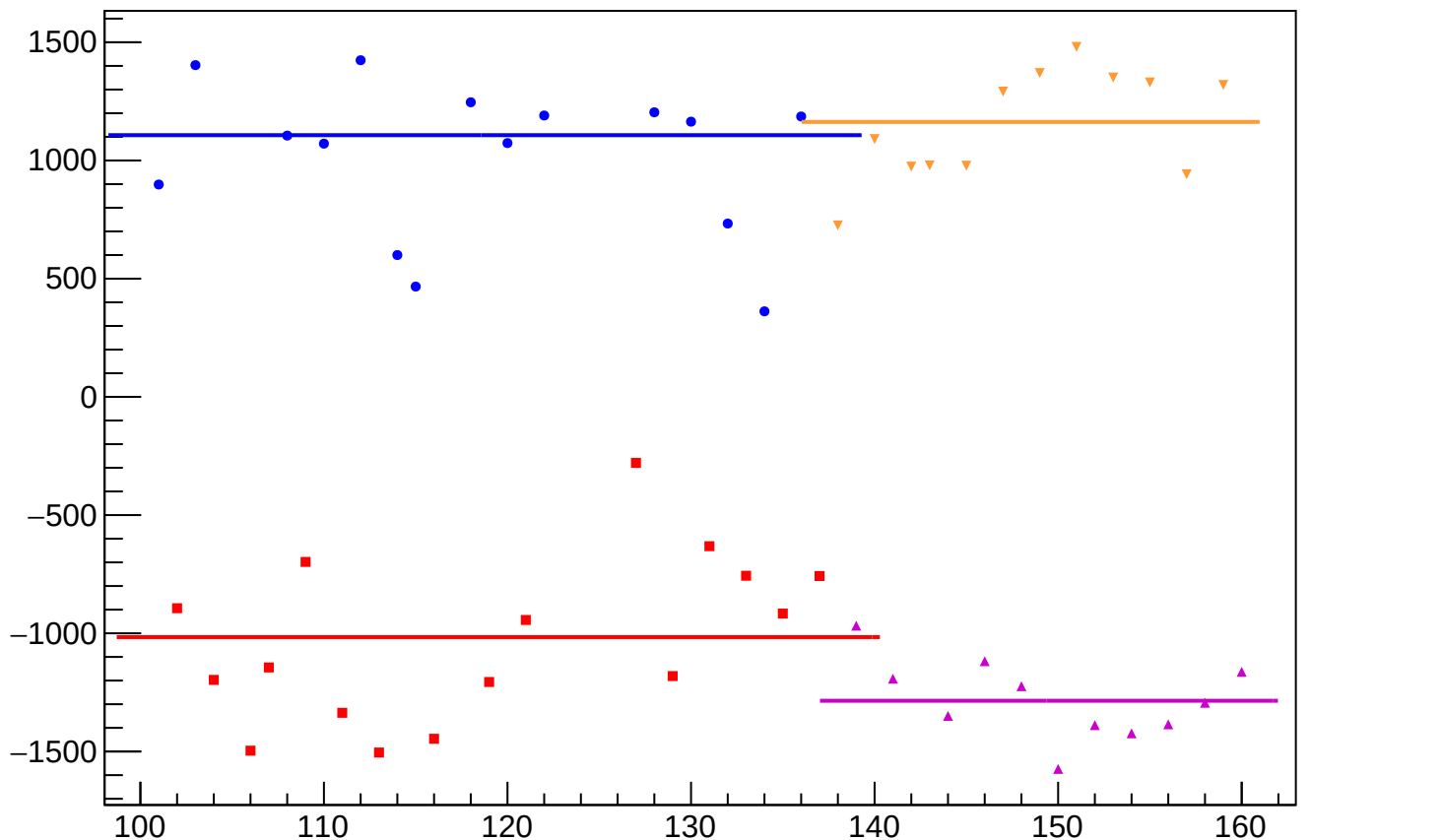
χ^2 /NDF: 4555067046835230017930882867882098688.0/15

Left In: -286.246 $\pm$ 0.000

χ^2 /NDF: 4067110443230234744644750983181631488.0/10

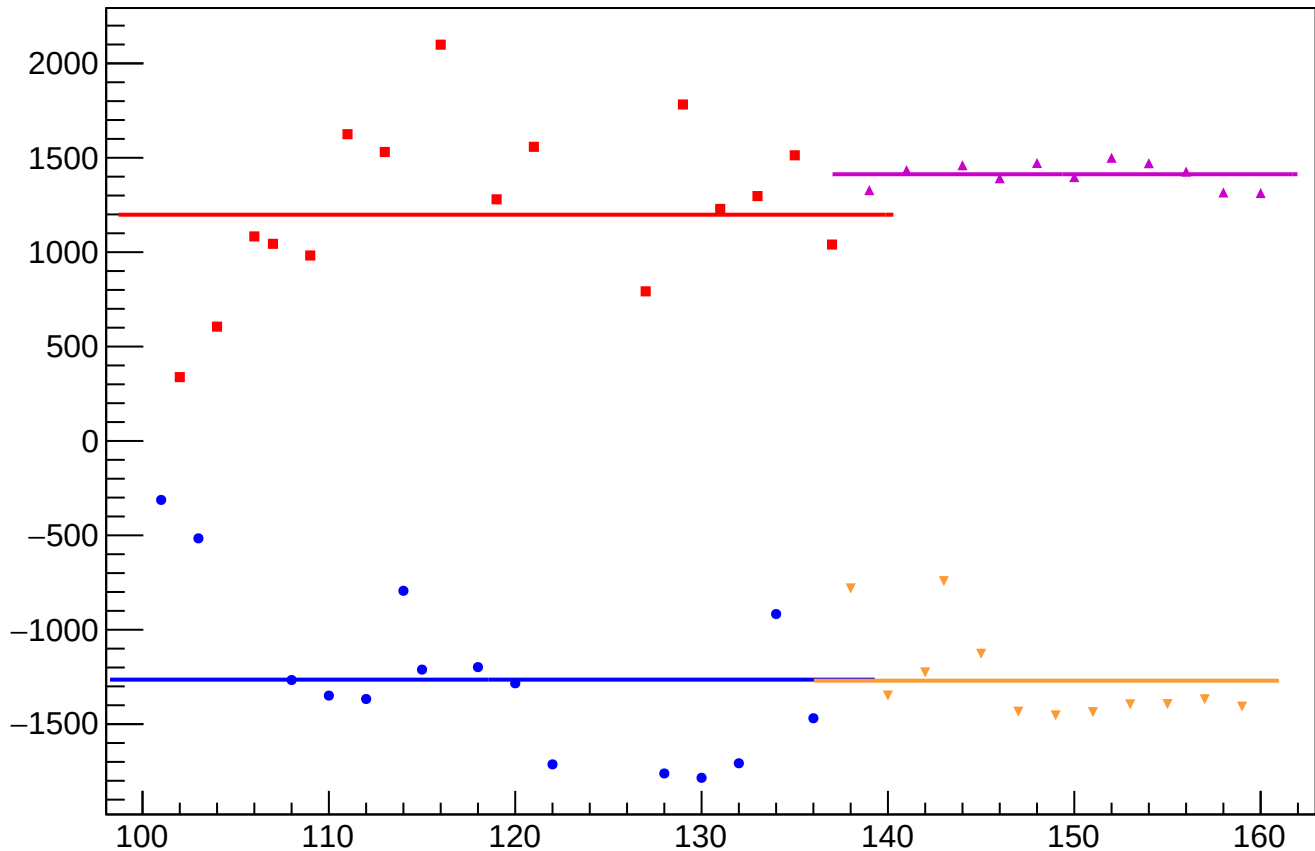
All: 4.673 $\pm$ 0.000 χ^2 /NDF: 23240426511653

dit_sam6_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051 $\pm$ 0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 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: -25.475 $\pm$ 0.000 χ^2/NDF : 443196140049

dit_sam7_coil4_mean vs Slug, Sign Corrected



Right In: -1264.303+/-0.000

Left Out: -1269.744+/-0.000

Right Out: 1198.483+/-0.000

Left In: 1412.771+/-0.000

χ^2/NDF : 140215251538502657549173994543931981824.0/14

χ^2/NDF : 51411109749220710488956261055634341888.0/11

χ^2/NDF : 131164763898016793515492217696167133184.0/15

χ^2/NDF : 3642959557366432228461510163957809152.0/10

Left: 76.614+/-0.000 χ^2/NDF : 33669141743314231

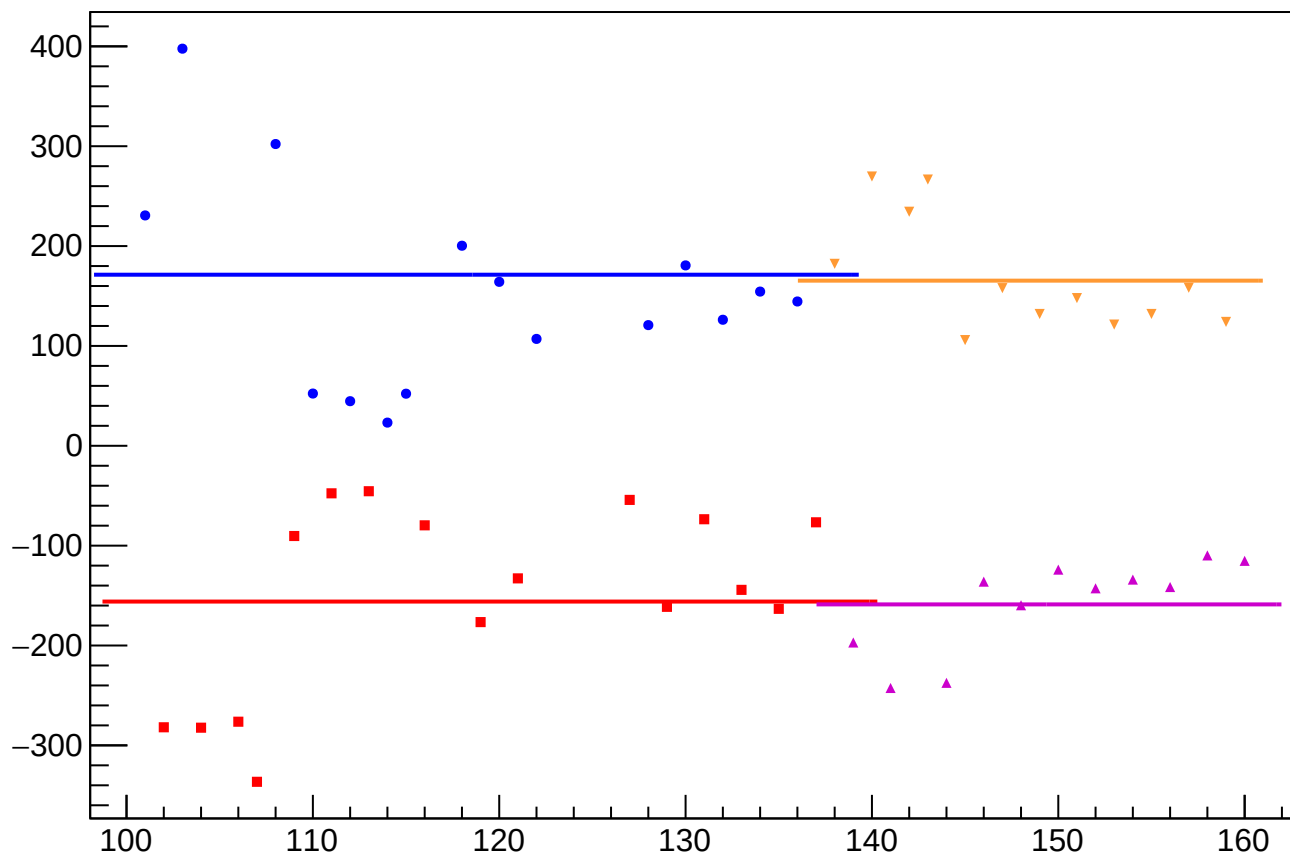
Right: -16.067+/-0.000 χ^2/NDF : 226649511001664

In: 308.244+/-0.000 χ^2/NDF : 28760344161485338

Out: -230.408+/-0.000 χ^2/NDF : 253497117304588

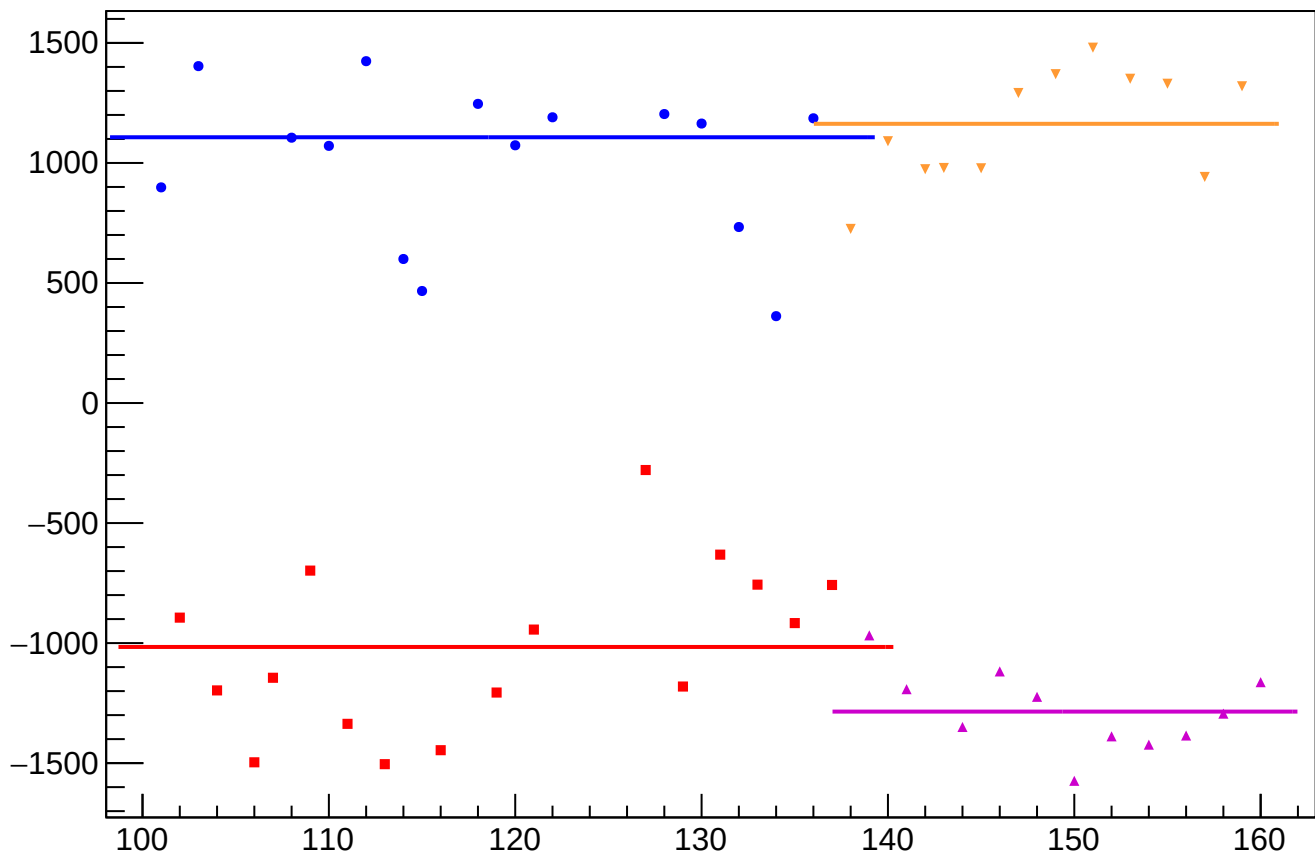
All: 37.980+/-0.000 χ^2/NDF : 5640001192745

dit_sam7_coil4_err_mean vs Slug, Sign Corrected



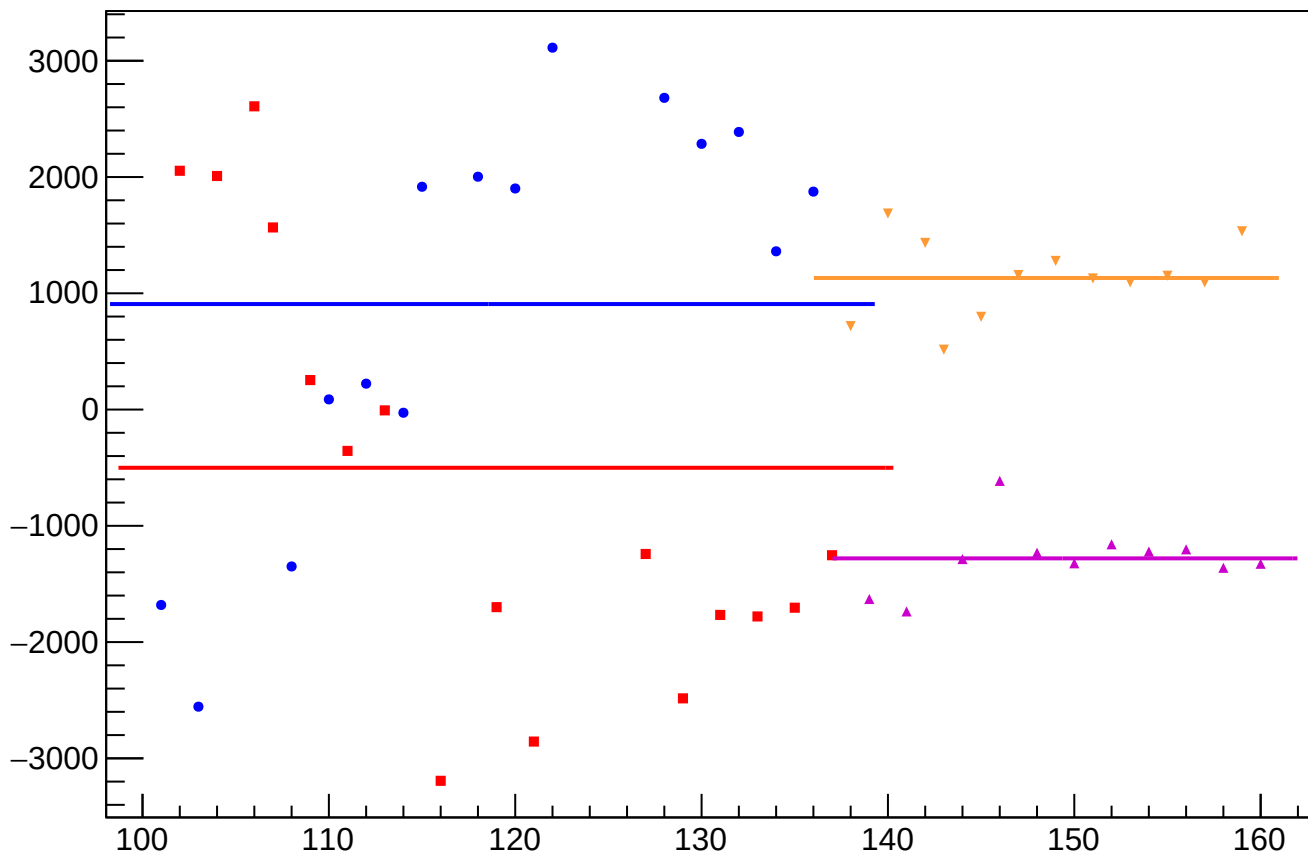
Right In: 171.323+/-0.000 χ^2/NDF : 6120975075187305509795143064993398784.0/14
 Left Out: 165.375+/-0.000 χ^2/NDF : 2622335351174785803279271276281069568.0/11
 Right Out: -155.993+/-0.000 χ^2/NDF : 5680659281504595852021524727244783616.0/15
 Left In: -158.834+/-0.000 χ^2/NDF : 1853310895668256586520412981739651072.0/10
 All: 3.810+/-0.000 χ^2/NDF : 99900868870086

dit_sam7_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 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: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam8_coil4_mean vs Slug, Sign Corrected



Right In: 907.442+/-0.000

χ^2/NDF : 2107238007691848638499662178406566461440.0/14

Left Out: 1131.794+/-0.000

χ^2/NDF : 92327464318942529302079754204983853056.0/11

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: -78.685+/-0.000 χ^2/NDF : 2837029478342244

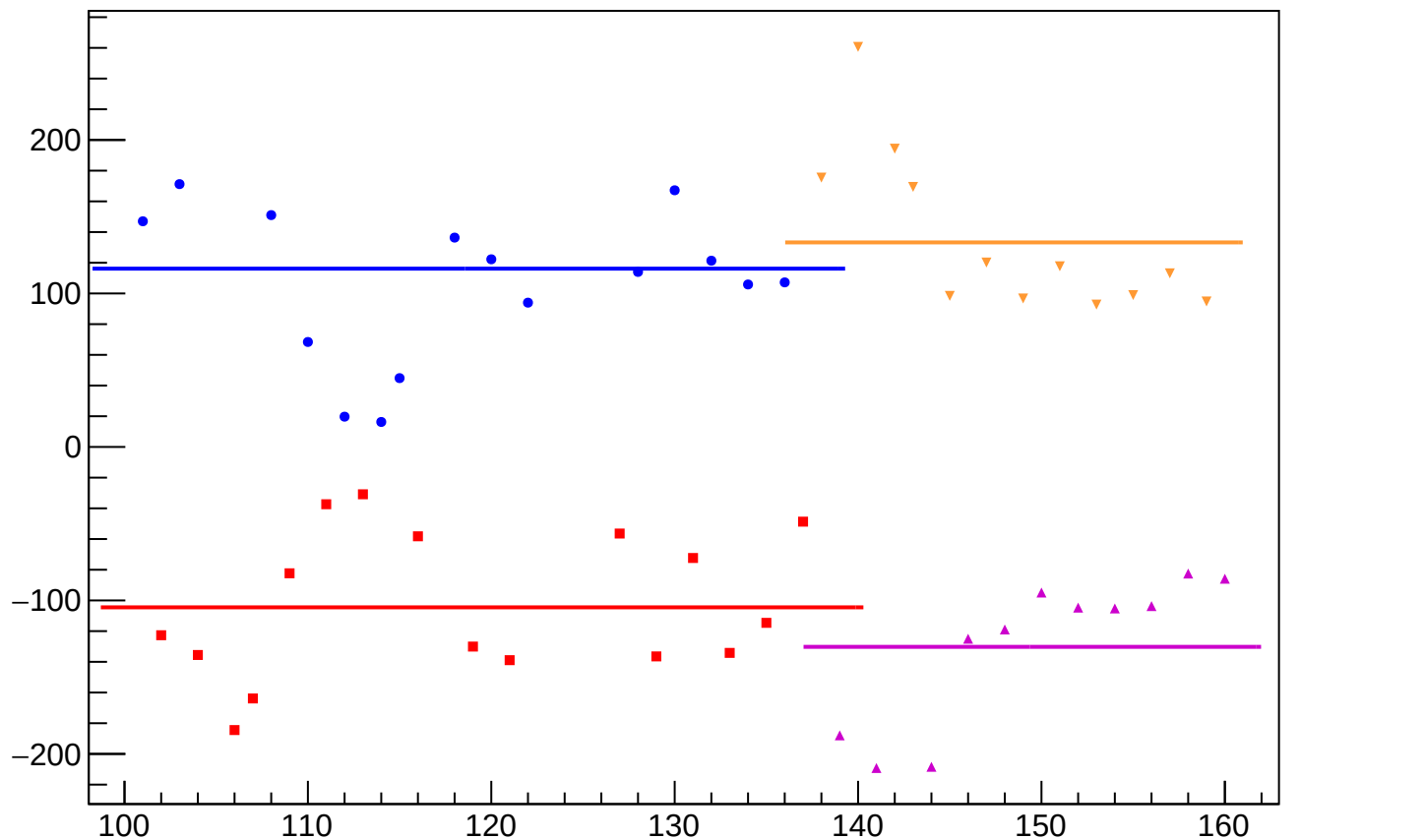
Right: 193.746+/-0.000 χ^2/NDF : 483370034209518

In: -377.486+/-0.000 χ^2/NDF : 3998973168088028

Out: 444.379+/-0.000 χ^2/NDF : 3195612385912640

All: 34.878+/-0.000 χ^2/NDF : 7727687301176

dit_sam8_coil4_err_mean vs Slug, Sign Corrected



Right In: 116.159 +/- 0.000

χ^2/NDF : 1198526427485199785396504127288115200.0/14

Left Out: 133.258 +/- 0.000

χ^2/NDF : 2355510699309539172490444744349974528.0/11

Right Out: -104.501 +/- 0.000

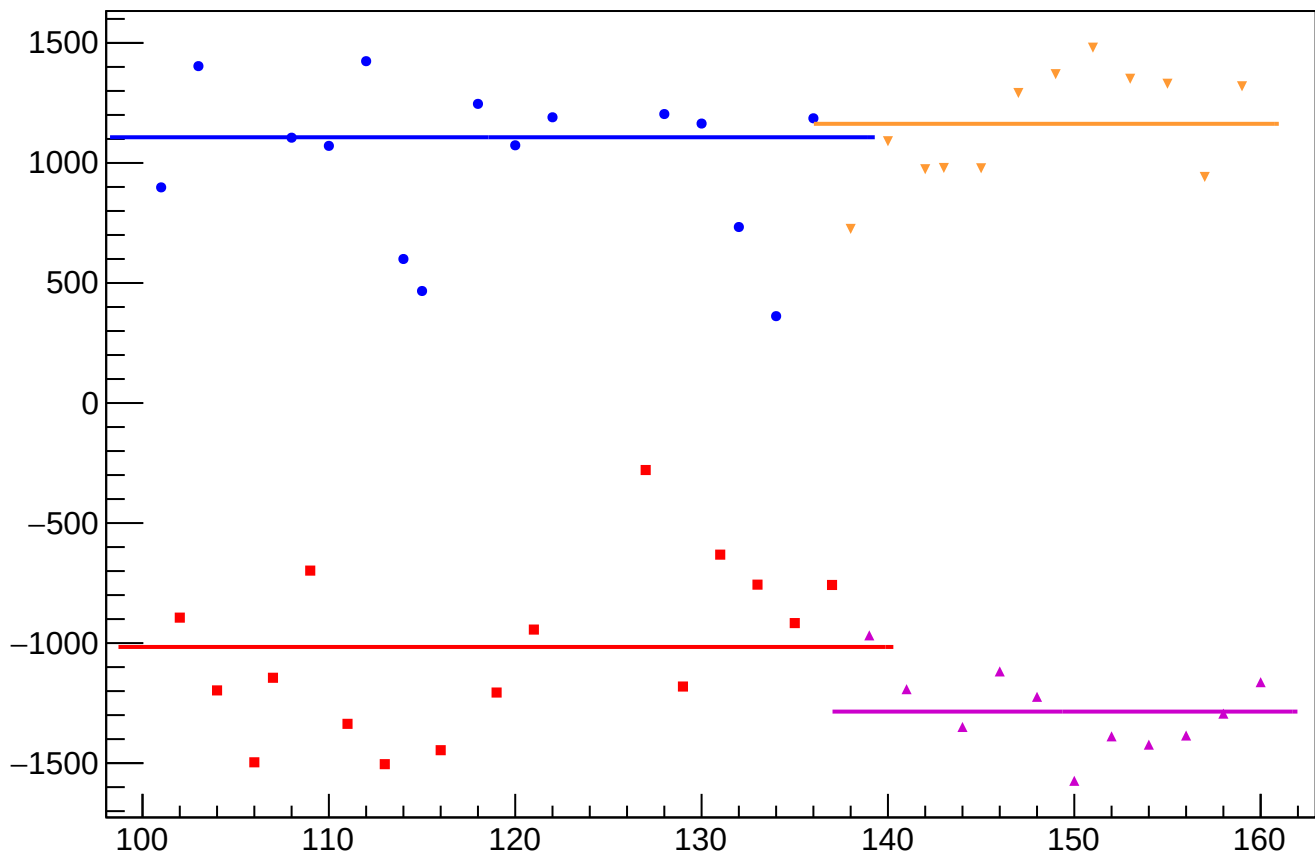
χ^2/NDF : 1285986383644058507445602420764180480.0/15

Left In: -130.237 +/- 0.000

χ^2/NDF : 1968814259217478663576054483231178752.0/10

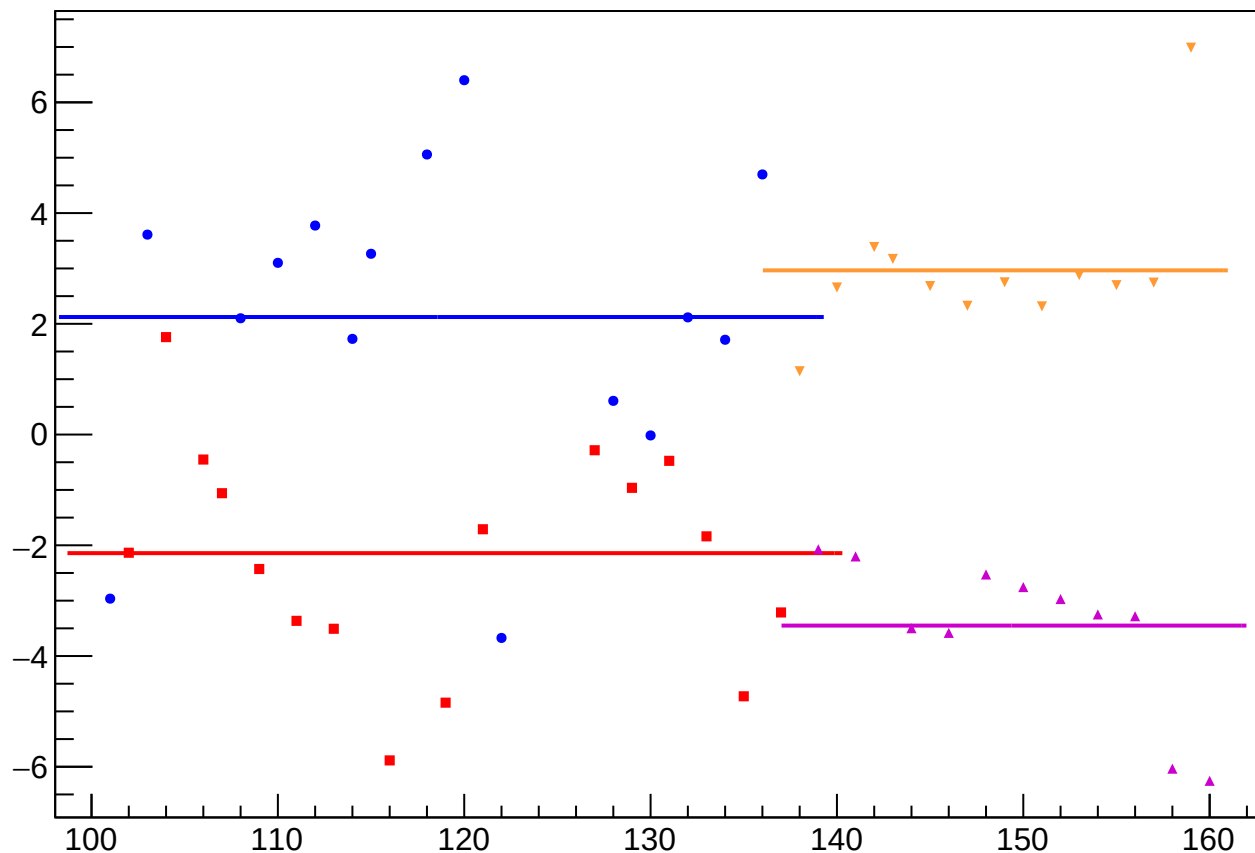
All: 2.390 +/- 0.000 χ^2/NDF : 54787939328328

dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected



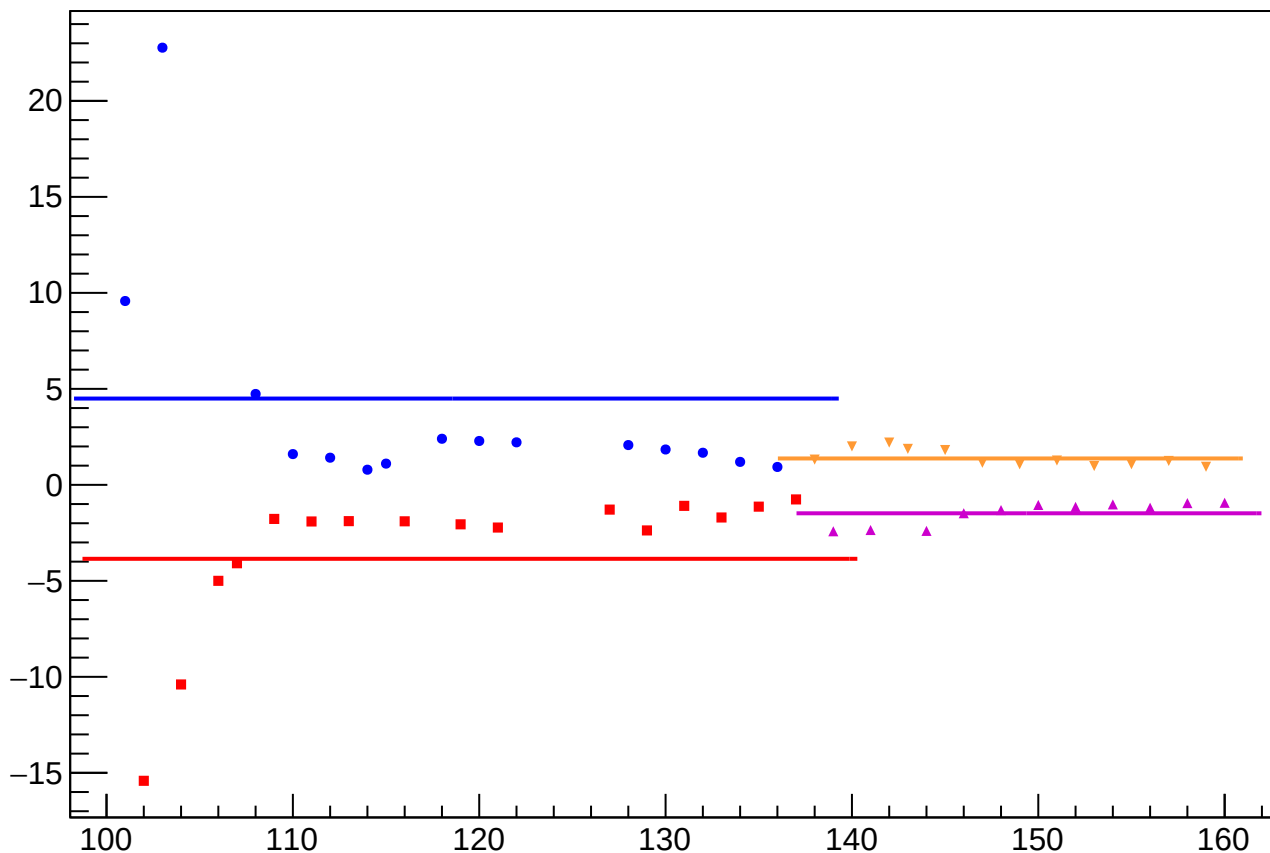
Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051 $\pm$ 0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475 $\pm$ 0.000 χ^2/NDF : 443196140049

dit_4aX_coil6_mean vs Slug, Sign Corrected



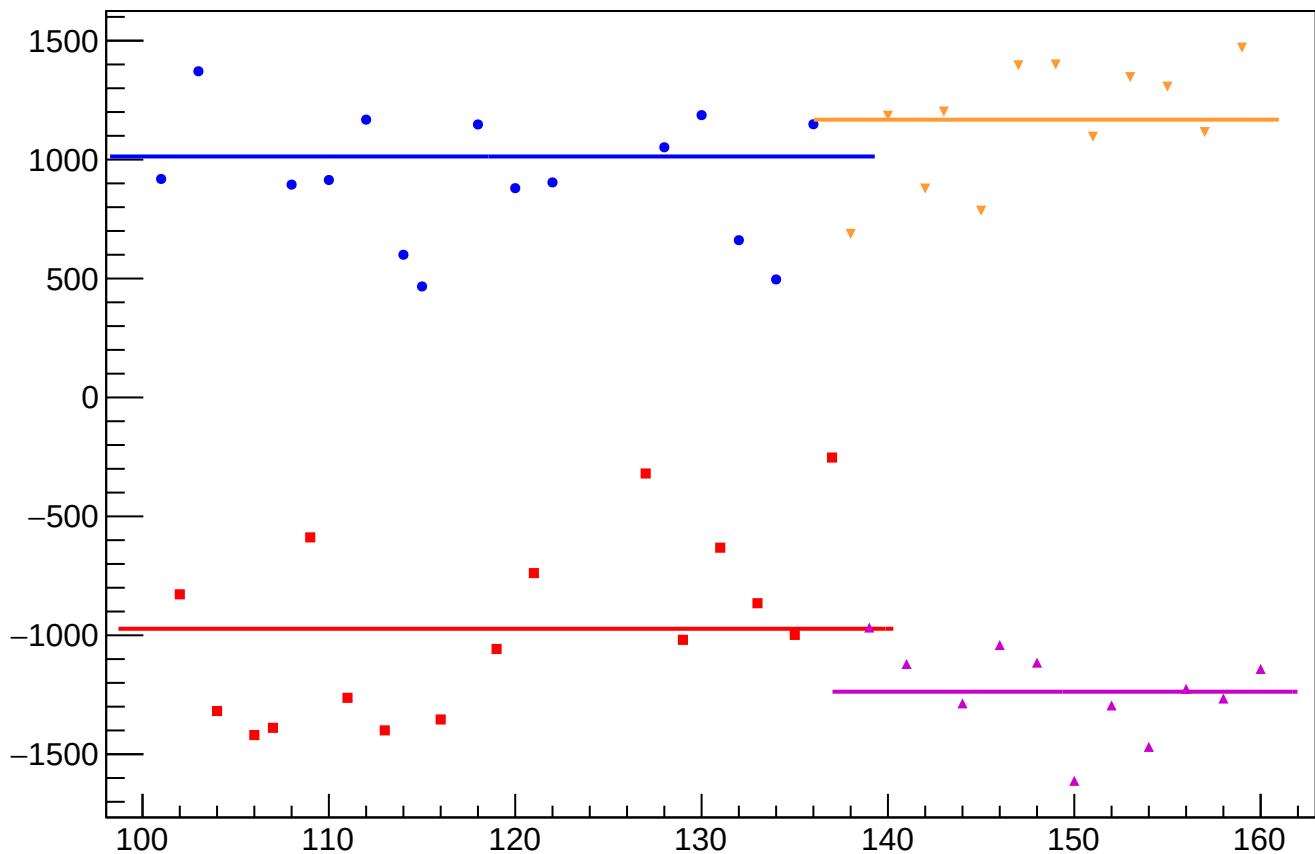
Left: -0.255 ± 0.000 $\chi^2/\text{NDF}: 22154610760613794$
 Right In: 2.123 ± 0.000 $\chi^2/\text{NDF}: 5263705922821075971022013849403392.0/14$
 Left Out: 2.966 ± 0.000 $\chi^2/\text{NDF}: 1657147599544170270871306245242880.0/11$
 Right Out: -2.142 ± 0.000 $\chi^2/\text{NDF}: 2472949940993672466161692257026048.0/15$
 Left In: -3.450 ± 0.000 $\chi^2/\text{NDF}: 1551935058842125730993767819771904.0/10$
 All: -0.165 ± 0.000 $\chi^2/\text{NDF}: 3590940357981$

dit_4aX_coil6_err_mean vs Slug, Sign Corrected



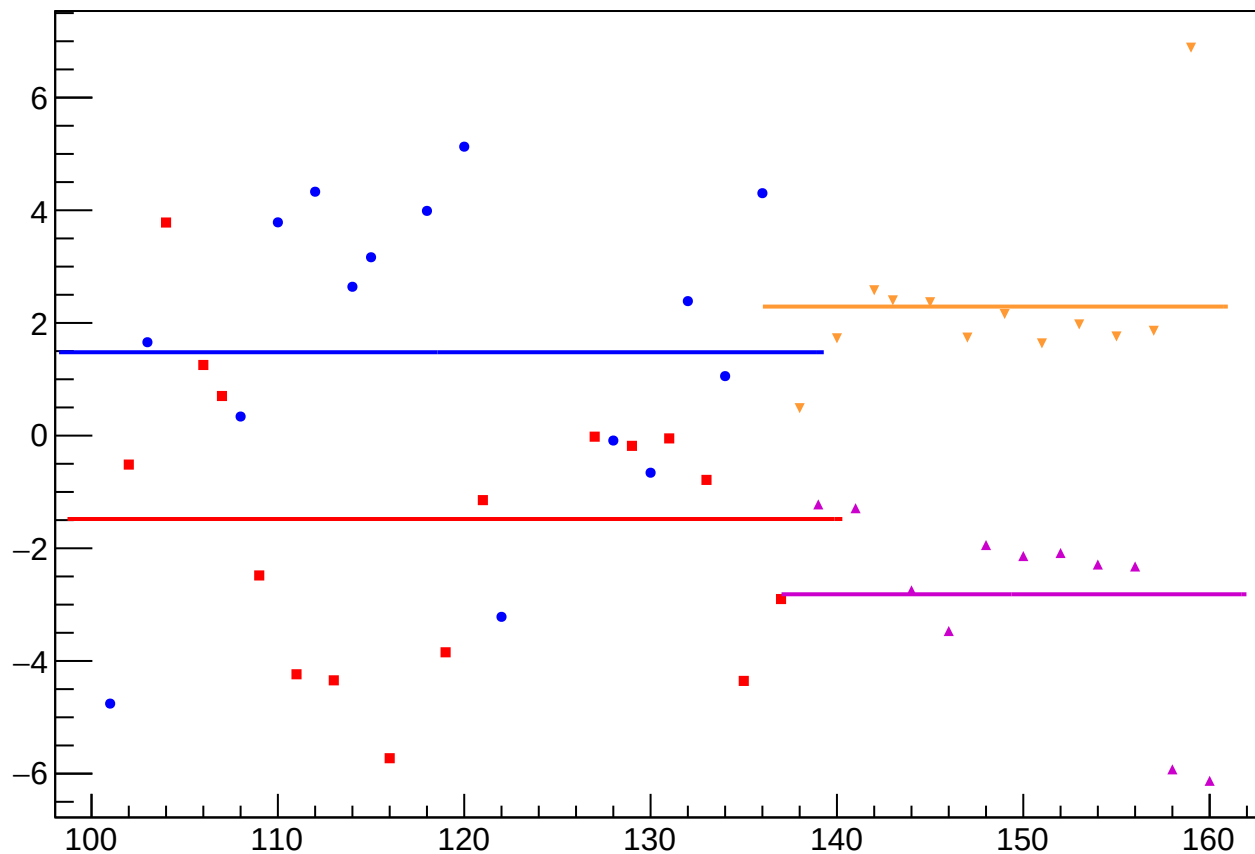
Right In: 4.495 ± 0.000 χ^2/NDF : 25270242219816061532329198634401792.0/14
 Left Out: 1.375 ± 0.000 χ^2/NDF : 145824137057123098329032148647936.0/11
 Right Out: -3.852 ± 0.000 χ^2/NDF : 12314971476556806550518847638601728.0/15
 Left In: -1.482 ± 0.000 χ^2/NDF : 310337710475779495774509405831168.0/10
 All: 0.076 ± 0.000 χ^2/NDF : 6479710466676

dit_4aX_coil6_Ndata_mean vs Slug, Sign Corrected



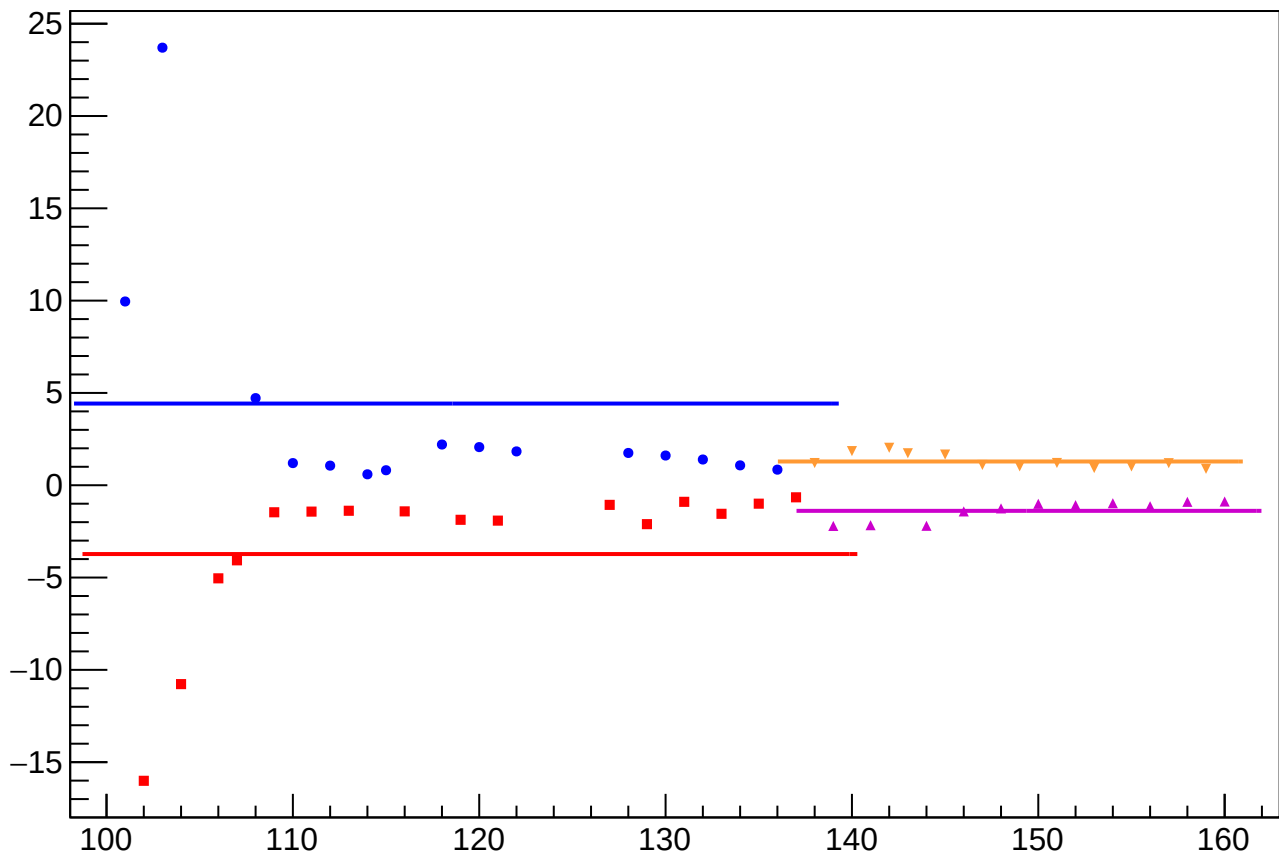
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_4eX_coil6_mean vs Slug, Sign Corrected



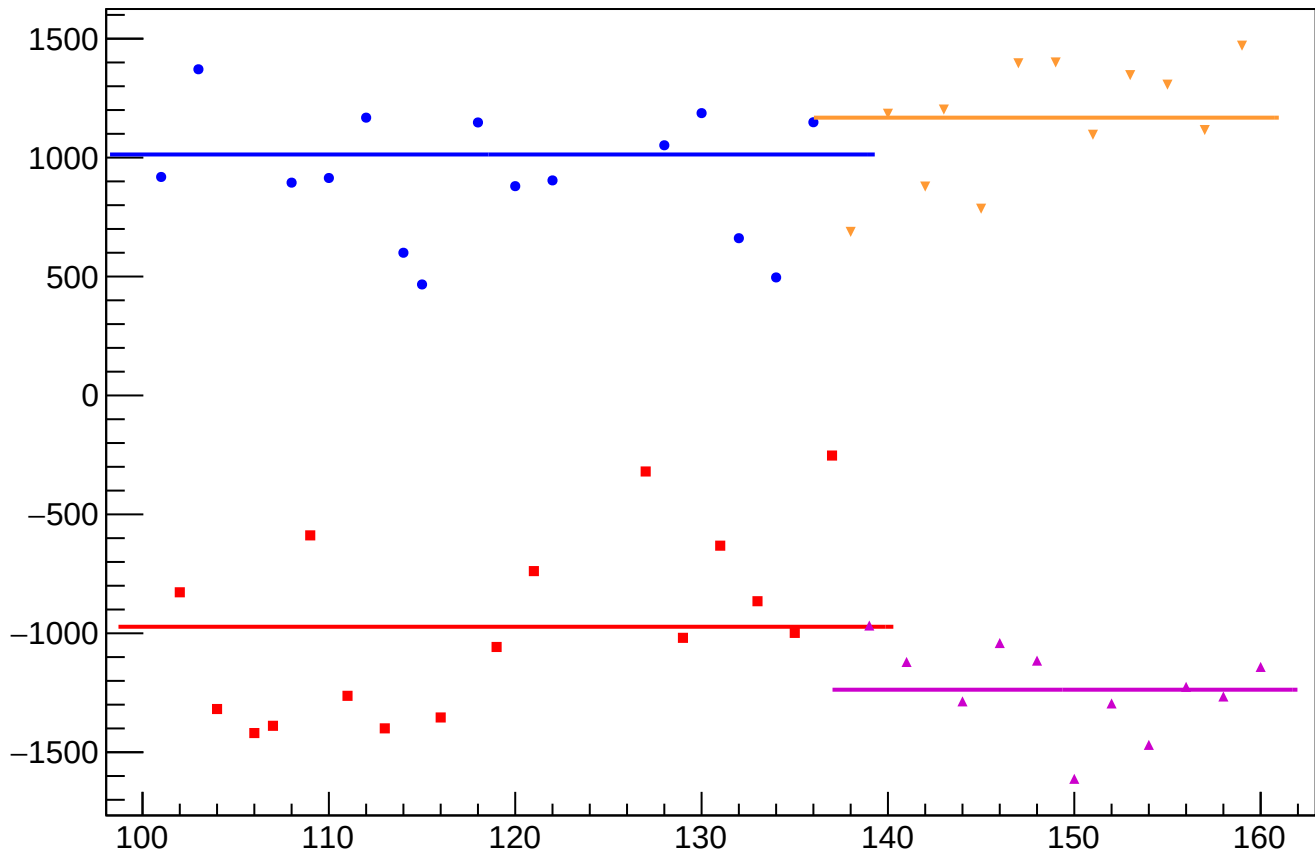
Right In: 1.480 $\pm$ 0.000 χ^2 /NDF: 5799670695902784459055767987683328.0/14
 Left Out: 2.290 $\pm$ 0.000 χ^2 /NDF: 2078203934623339407466741505196032.0/11
 Right Out: -1.480 $\pm$ 0.000 χ^2 /NDF: 4092645800613765572662987820367872.0/15
 Left In: -2.816 $\pm$ 0.000 χ^2 /NDF: 2230790234579581781884760219451392.0/10
 All: -0.167 $\pm$ 0.000 χ^2 /NDF: 2913510232132

dit_4eX_coil6_err_mean vs Slug, Sign Corrected



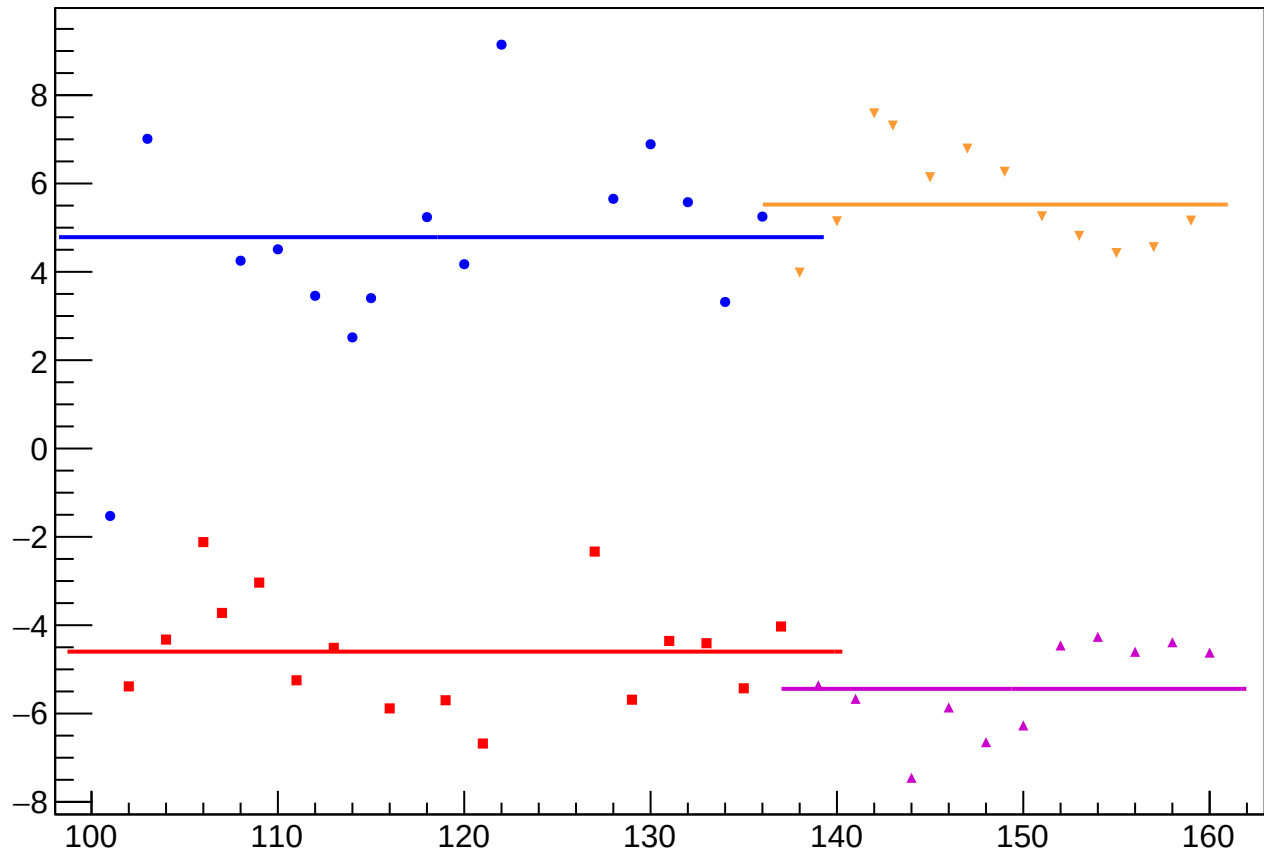
Right In: 4.424+/-0.000 χ^2/NDF : 28257459272876210608839830473277440.0/14
 Left Out: 1.287+/-0.000 χ^2/NDF : 115572710425974542014826355359744.0/11
 Right Out: -3.727+/-0.000 χ^2/NDF : 13991816814749842519794284853460992.0/15
 Left In: -1.387+/-0.000 χ^2/NDF : 245381205913734368947829561360384.0/10
 All: 0.090+/-0.000 χ^2/NDF : 67850915091638

dit_4eX_coil6_Ndata_mean vs Slug, Sign Corrected



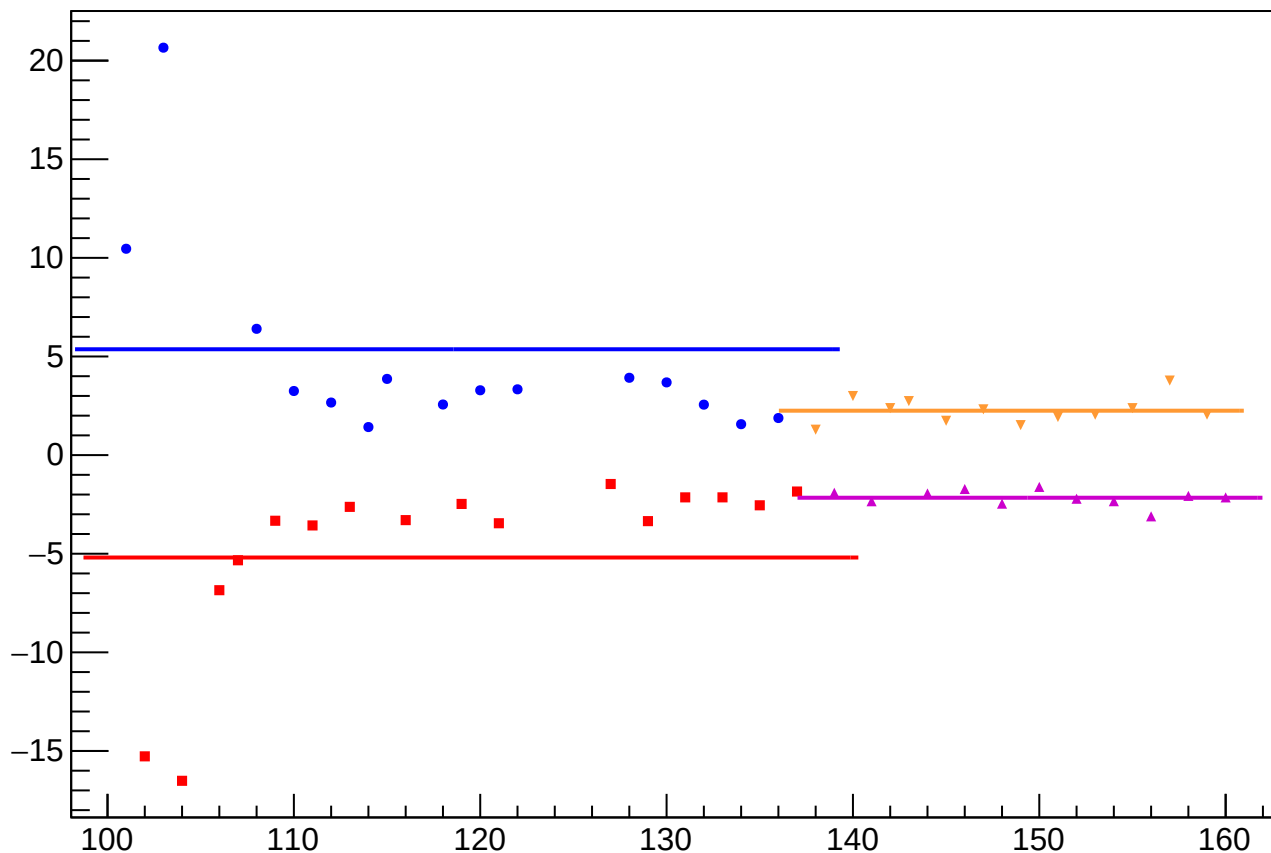
Right In: 1013.146+/-0.000	χ^2/NDF : 31721270909522099205936100724856324096.0/14	Left: -39.161+/-0.000	χ^2/NDF : 2747267695574641
Left Out: 1167.974+/-0.000	χ^2/NDF : 54610138783870430946405205692756525056.0/11	Right: 6.761+/-0.000	χ^2/NDF : 14074954421733032
Right Out: -972.465+/-0.000	χ^2/NDF : 78884457200782655962756069915468234752.0/15	In: -308.706+/-0.000	χ^2/NDF : 1992534711877389
Left In: -1237.150+/-0.000	χ^2/NDF : 30323445843993737164691986740223672320.0/10	Out: 266.665+/-0.000	χ^2/NDF : 1902566719354889
		All: -20.018+/-0.000	χ^2/NDF : 415638151623

dit_11X12X_coil6_mean vs Slug, Sign Corrected



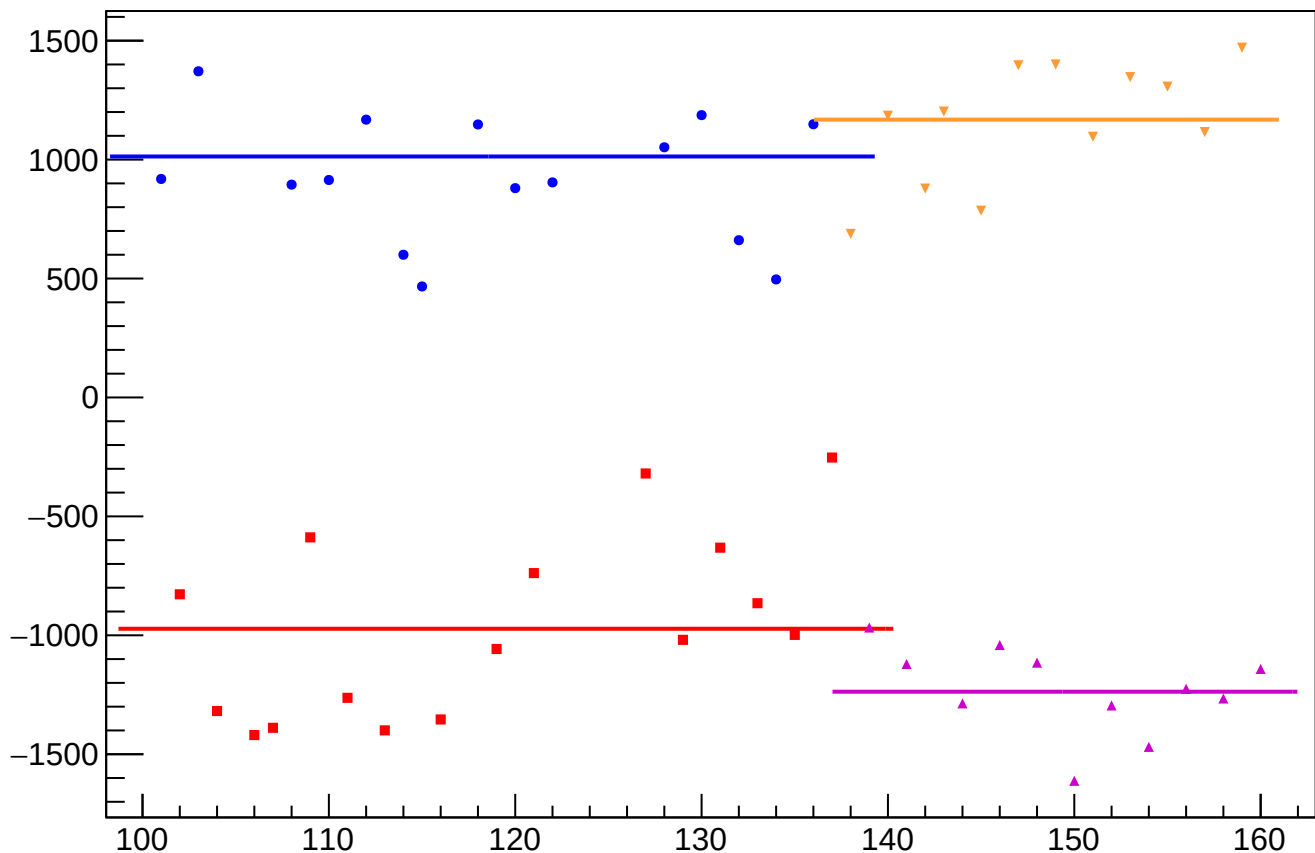
Right In: 4.785+/-0.000 χ^2/NDF : 3996556073154779711808159470321664.0/14
 Left Out: 5.524+/-0.000 χ^2/NDF : 1037921325796141419900309275148288.0/11
 Right Out: -4.598+/-0.000 χ^2/NDF : 989607156792948633247632779640832.0/15
 Left In: -5.441+/-0.000 χ^2/NDF : 969147874620390855399339032838144.0/10
 All: 0.024+/-0.000 χ^2/NDF : 91288067214025

dit_11X12X_coil6_err_mean vs Slug, Sign Corrected



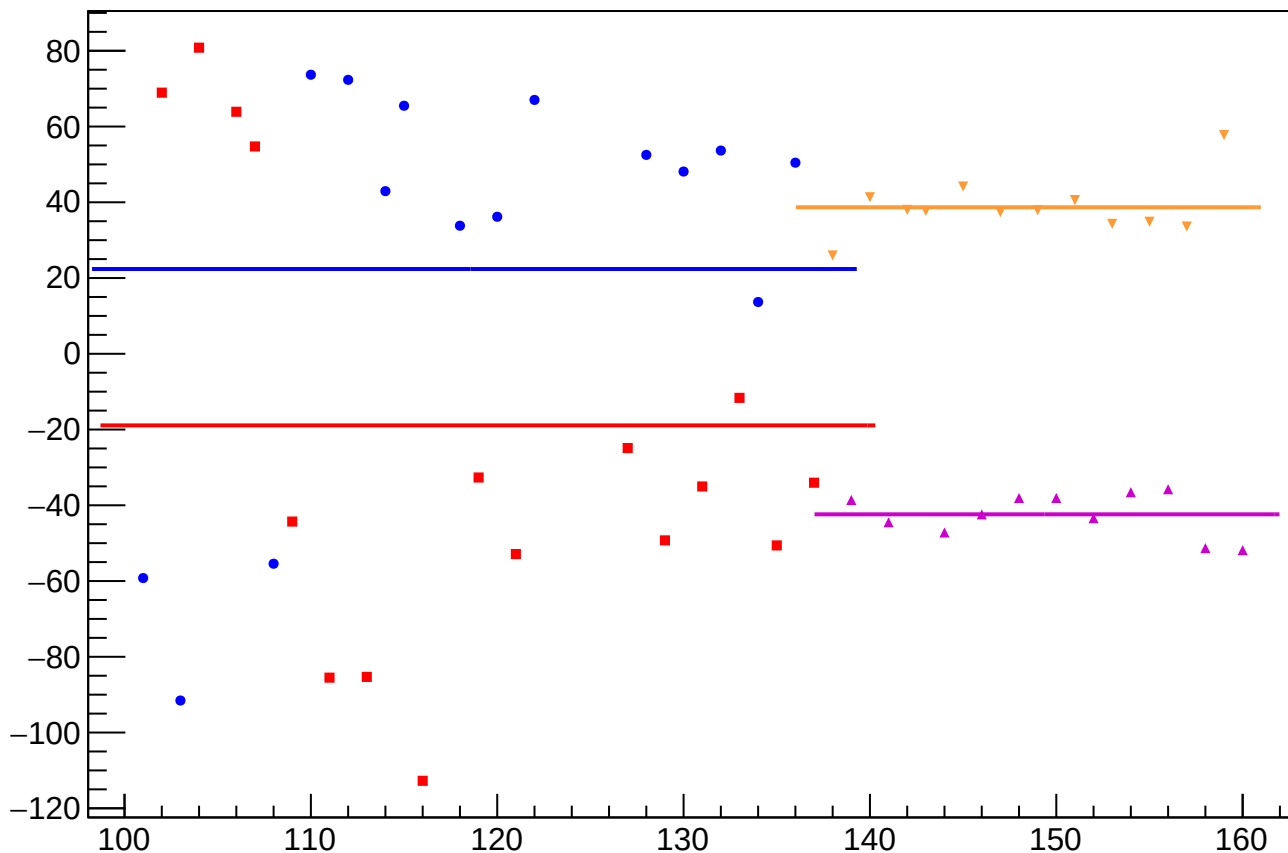
Right In: 5.366 $\pm$ 0.000 χ^2 /NDF: 18780724722063497096153009301225472.0/14
 Left Out: 2.251 $\pm$ 0.000 χ^2 /NDF: 401214907261745165005566645370880.0/11
 Right Out: -5.192 $\pm$ 0.000 χ^2 /NDF: 15749573754945345754432436952891392.0/15
 Left In: -2.162 $\pm$ 0.000 χ^2 /NDF: 138367938839103248546751049629696.0/10
 All: 0.027 $\pm$ 0.000 χ^2 /NDF: 80702506490782

dit_11X12X_coil6_Ndata_mean vs Slug, Sign Corrected



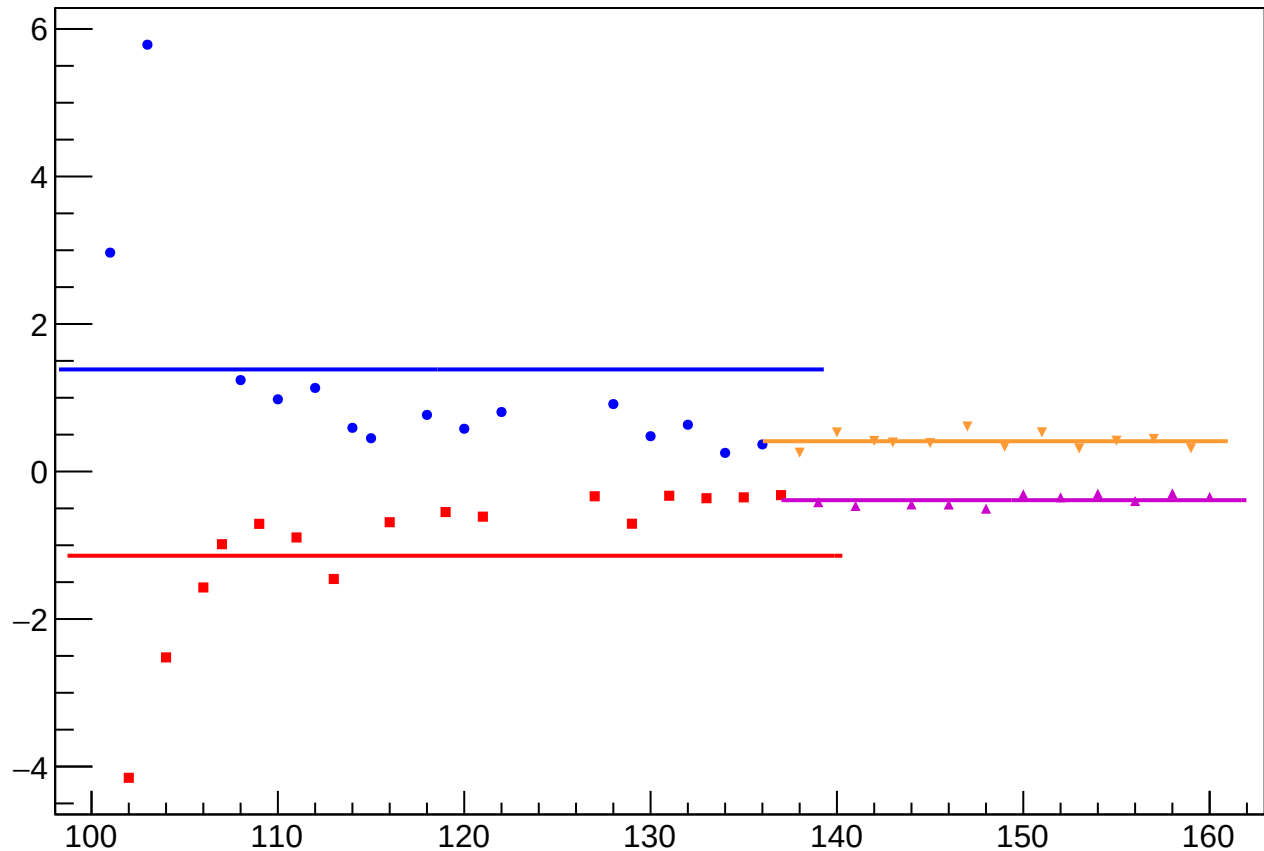
Right In: 1013.146+/-0.000	χ^2/NDF : 31721270909522099205936100724856324096.0/14	Left: -39.161+/-0.000	χ^2/NDF : 2747267695574641
Left Out: 1167.974+/-0.000	χ^2/NDF : 54610138783870430946405205692756525056.0/11	Right: 6.761+/-0.000	χ^2/NDF : 14074954421733032
Right Out: -972.465+/-0.000	χ^2/NDF : 78884457200782655962756069915468234752.0/15	In: -308.706+/-0.000	χ^2/NDF : 1992534711877389
Left In: -1237.150+/-0.000	χ^2/NDF : 30323445843993737164691986740223672320.0/10	Out: 266.665+/-0.000	χ^2/NDF : 1902566719354889
		All: -20.018+/-0.000	χ^2/NDF : 415638151623

dit_4aY_coil6_mean vs Slug, Sign Corrected



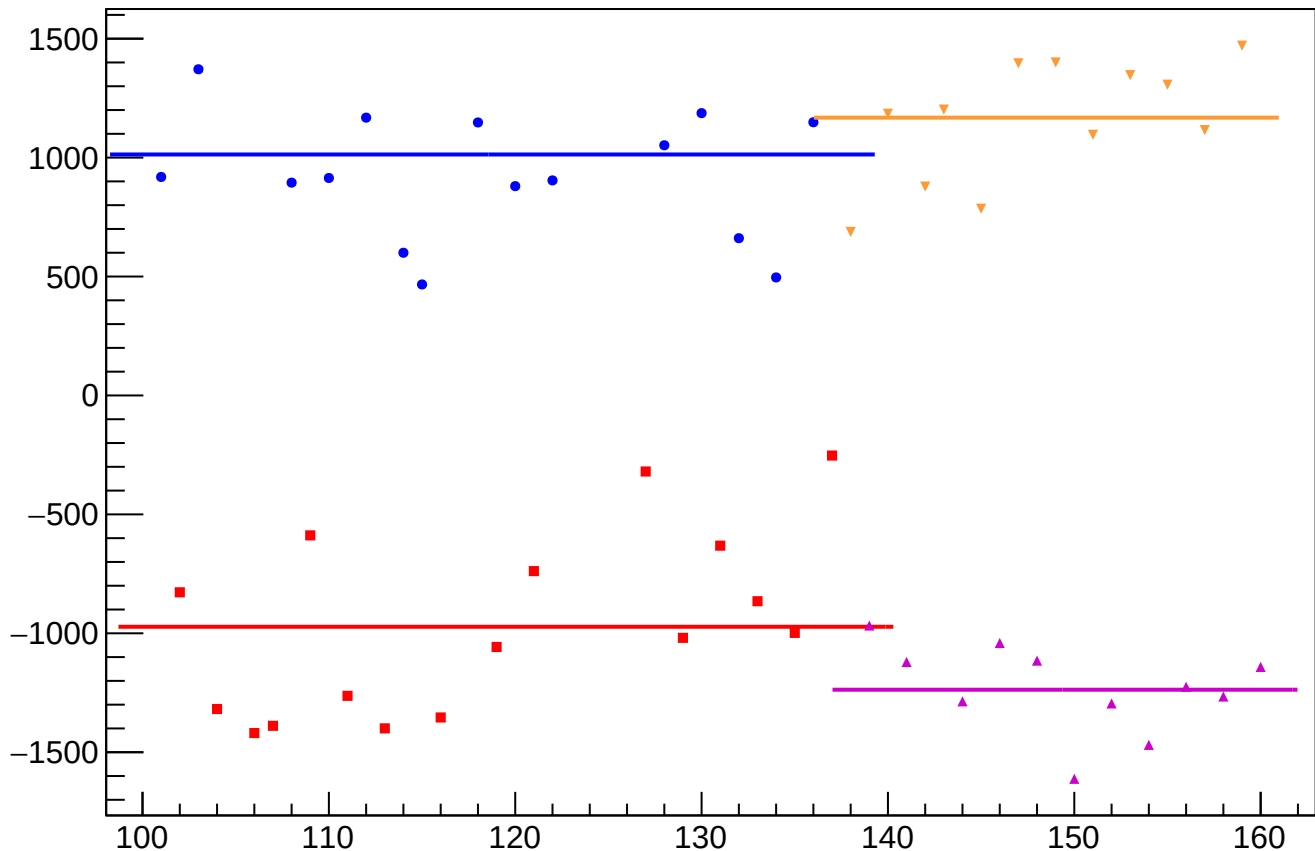
Right In: 22.385 ± 0.000 $\chi^2/\text{NDF}: 1922260860023592637794094183323009024.0/14$
 Left Out: 38.679 ± 0.000 $\chi^2/\text{NDF}: 50075878897811273484787289537118208.0/11$
 Right Out: -18.907 ± 0.000 $\chi^2/\text{NDF}: 2182221808408156293593993992757837824.0/15$
 Left In: -42.386 ± 0.000 $\chi^2/\text{NDF}: 26555660128562986553016927486214144.0/10$
 All: -0.564 ± 0.000 $\chi^2/\text{NDF}: 7775684601059$

dit_4aY_coil6_err_mean vs Slug, Sign Corrected



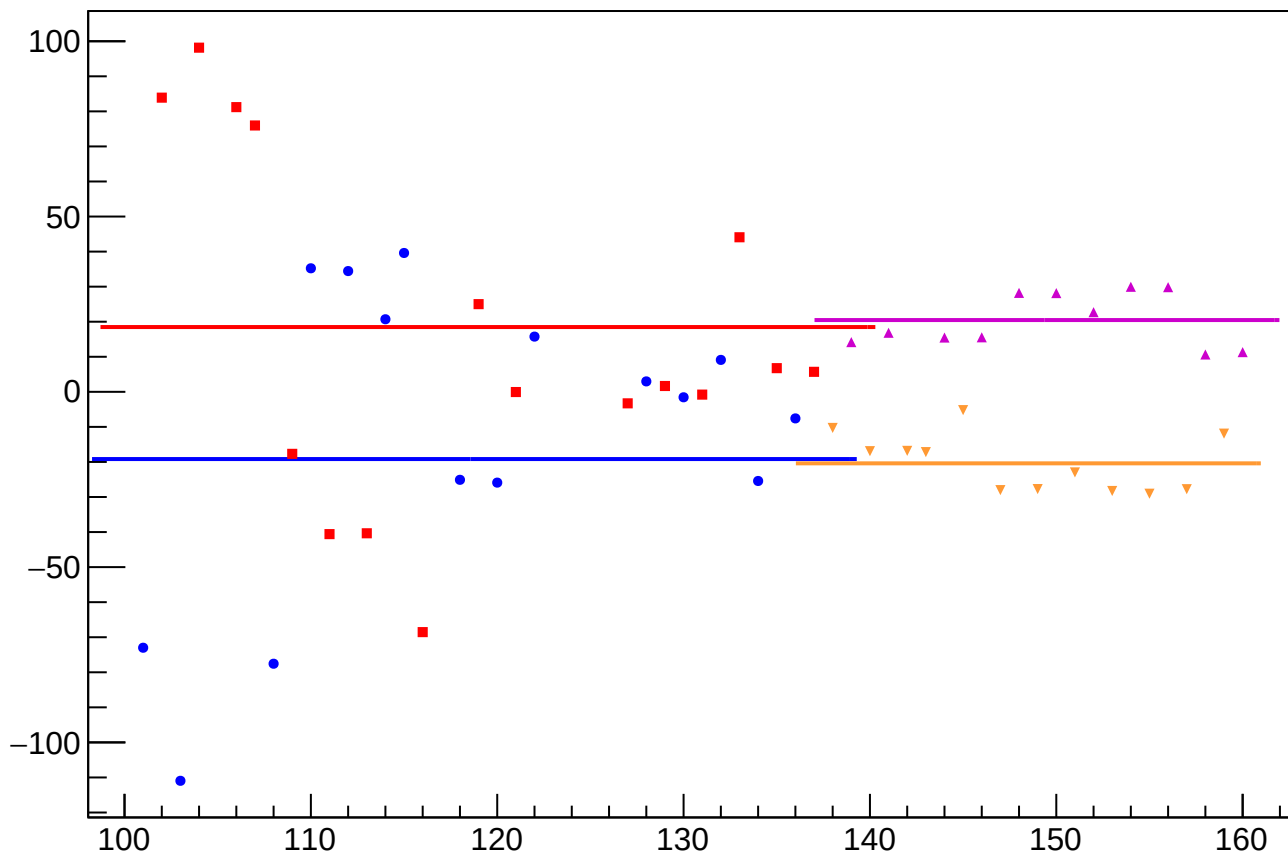
Right In: 1.384+/-0.000 χ^2/NDF : 1571159324102064120487940936695808.0/14
 Left Out: 0.411+/-0.000 χ^2/NDF : 9428610492078012186649224544256.0/11
 Right Out: -1.142+/-0.000 χ^2/NDF : 810680738285448955223066212827136.0/15
 Left In: -0.389+/-0.000 χ^2/NDF : 4468112130112640641394154668032.0/10
 All: 0.049+/-0.000 χ^2/NDF : 47951501447607

dit_4aY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000	χ^2/NDF : 31721270909522099205936100724856324096.0/14	Left: -39.161+/-0.000	χ^2/NDF : 2747267695574641
Left Out: 1167.974+/-0.000	χ^2/NDF : 54610138783870430946405205692756525056.0/11	Right: 6.761+/-0.000	χ^2/NDF : 14074954421733032
Right Out: -972.465+/-0.000	χ^2/NDF : 78884457200782655962756069915468234752.0/15	In: -308.706+/-0.000	χ^2/NDF : 1992534711877389
Left In: -1237.150+/-0.000	χ^2/NDF : 30323445843993737164691986740223672320.0/10	Out: 266.665+/-0.000	χ^2/NDF : 1902566719354889
		All: -20.018+/-0.000	χ^2/NDF : 415638151623

dit_4eY_coil6_mean vs Slug, Sign Corrected



Right In: -19.175 ± 0.000

Left Out: -20.399 ± 0.000

Right Out: 18.479 ± 0.000

Left In: 20.473 ± 0.000

χ^2/NDF : 1246364705689764961102868160463241216.0/14

χ^2/NDF : 59795874846132016074625786396540928.0/11

χ^2/NDF : 1489398115046175180640331393369374720.0/15

χ^2/NDF : 48484953363349820110348478937300992.0/10

Left: 0.115 ± 0.000 χ^2/NDF : 877117700035024784

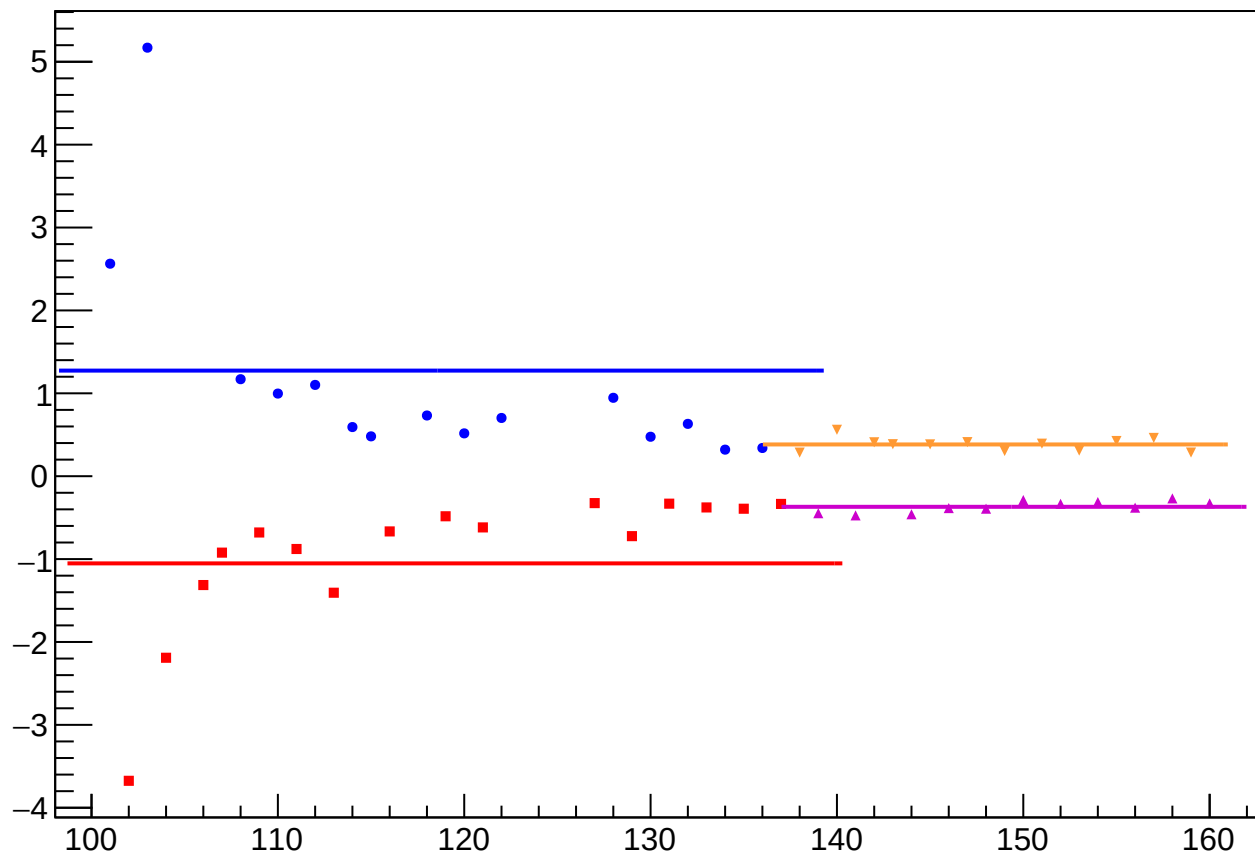
Right: -0.091 ± 0.000 χ^2/NDF : 3202145485356183

In: 4.115 ± 0.000 χ^2/NDF : 1894138593068178389

Out: -4.028 ± 0.000 χ^2/NDF : 21328298353726143

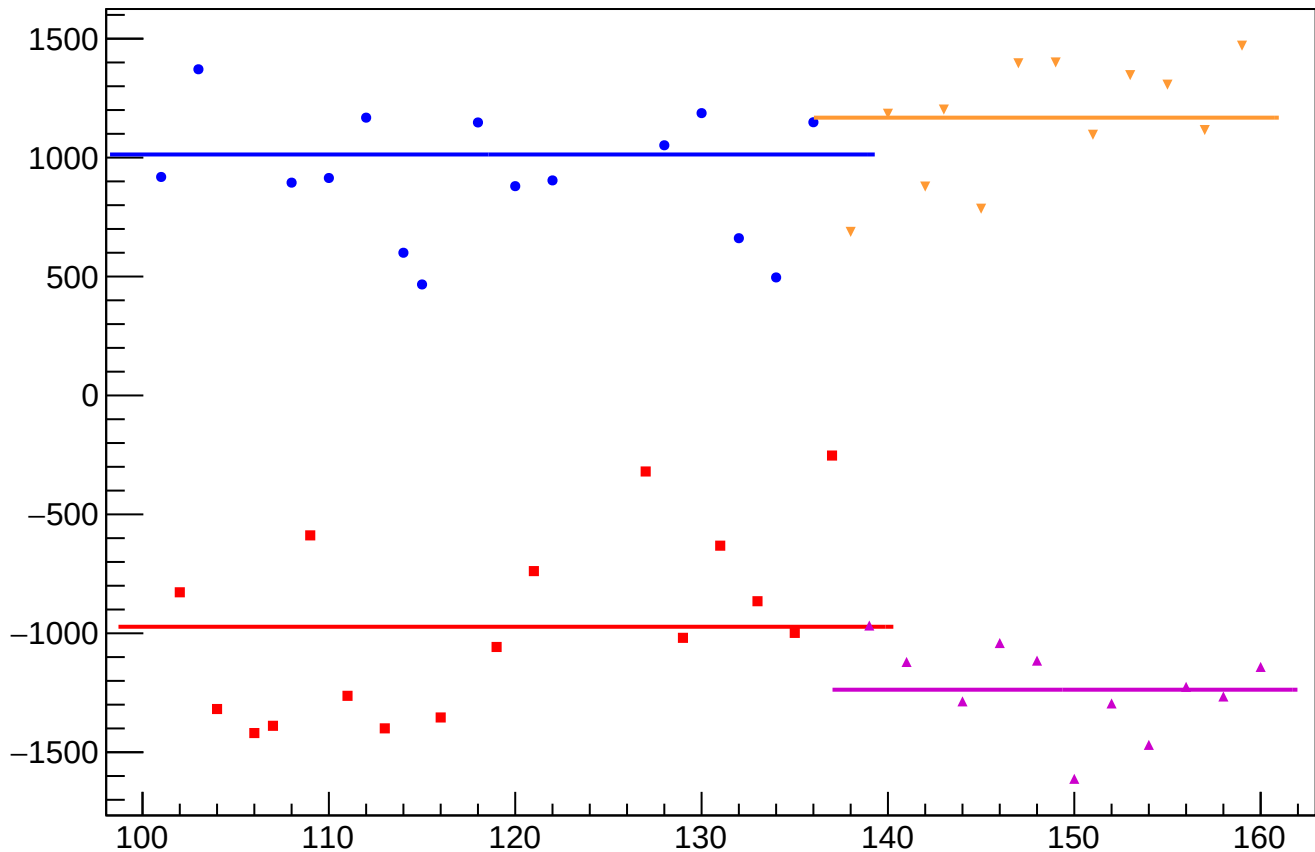
All: 0.029 ± 0.000 χ^2/NDF : 40792955785937

dit_4eY_coil6_err_mean vs Slug, Sign Corrected



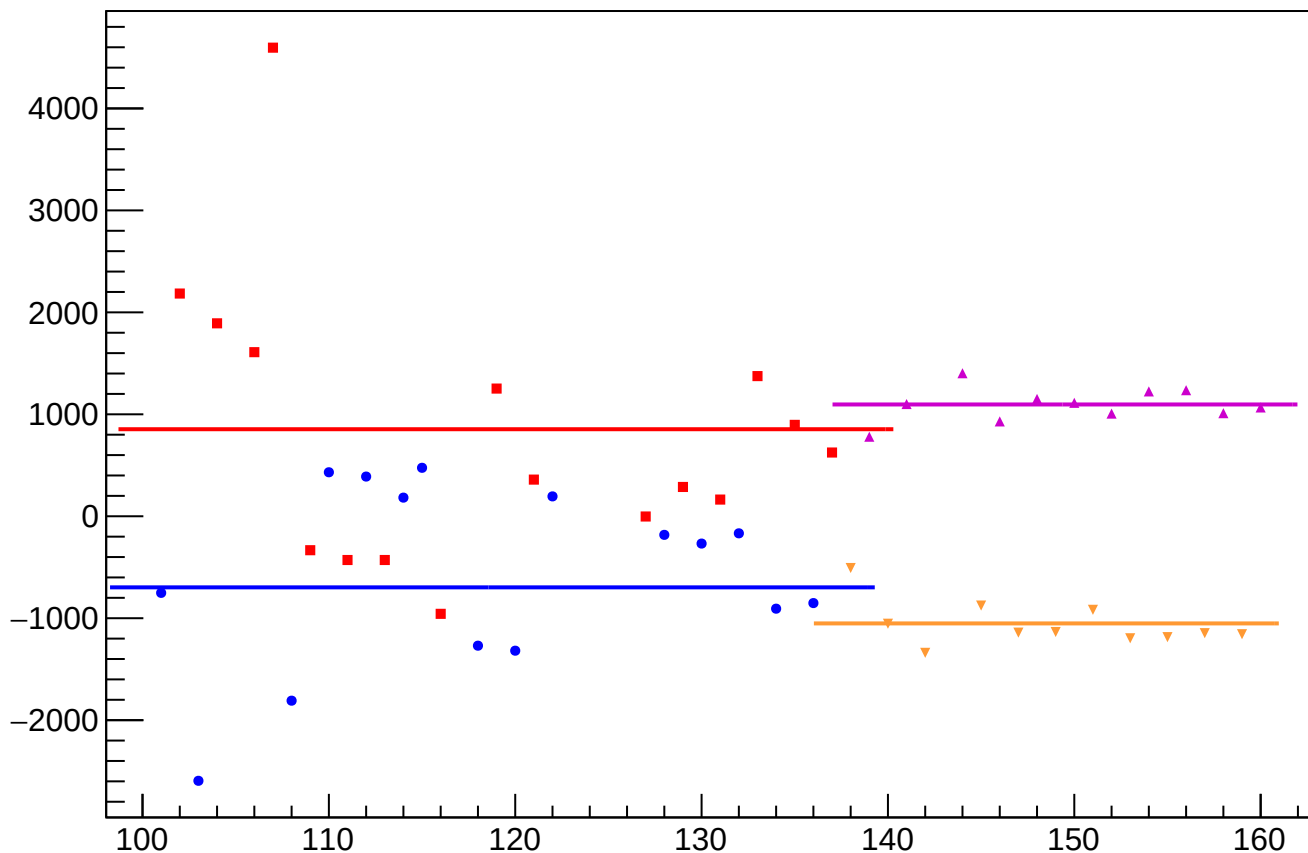
Right In: 1.274+/-0.000 χ^2/NDF : 1212041476631073599154045304438784.0/14
 Left Out: 0.383+/-0.000 χ^2/NDF : 5804905550420528910426527760384.0/11
 Right Out: -1.052+/-0.000 χ^2/NDF : 607316121057753919194559126962176.0/15
 Left In: -0.369+/-0.000 χ^2/NDF : 4166350638848138676707816112128.0/10
 All: 0.043+/-0.000 χ^2/NDF : 38754292019380

dit_4eY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_usl_coil6_mean vs Slug, Sign Corrected



Right In: -697.283+/-0.000

χ^2/NDF : 490435790698133828475769692944364208128.0/14

Left Out: -1050.953+/-0.000

χ^2/NDF : 36829070766461393403765229942747430912.0/10

Right Out: 853.734+/-0.000

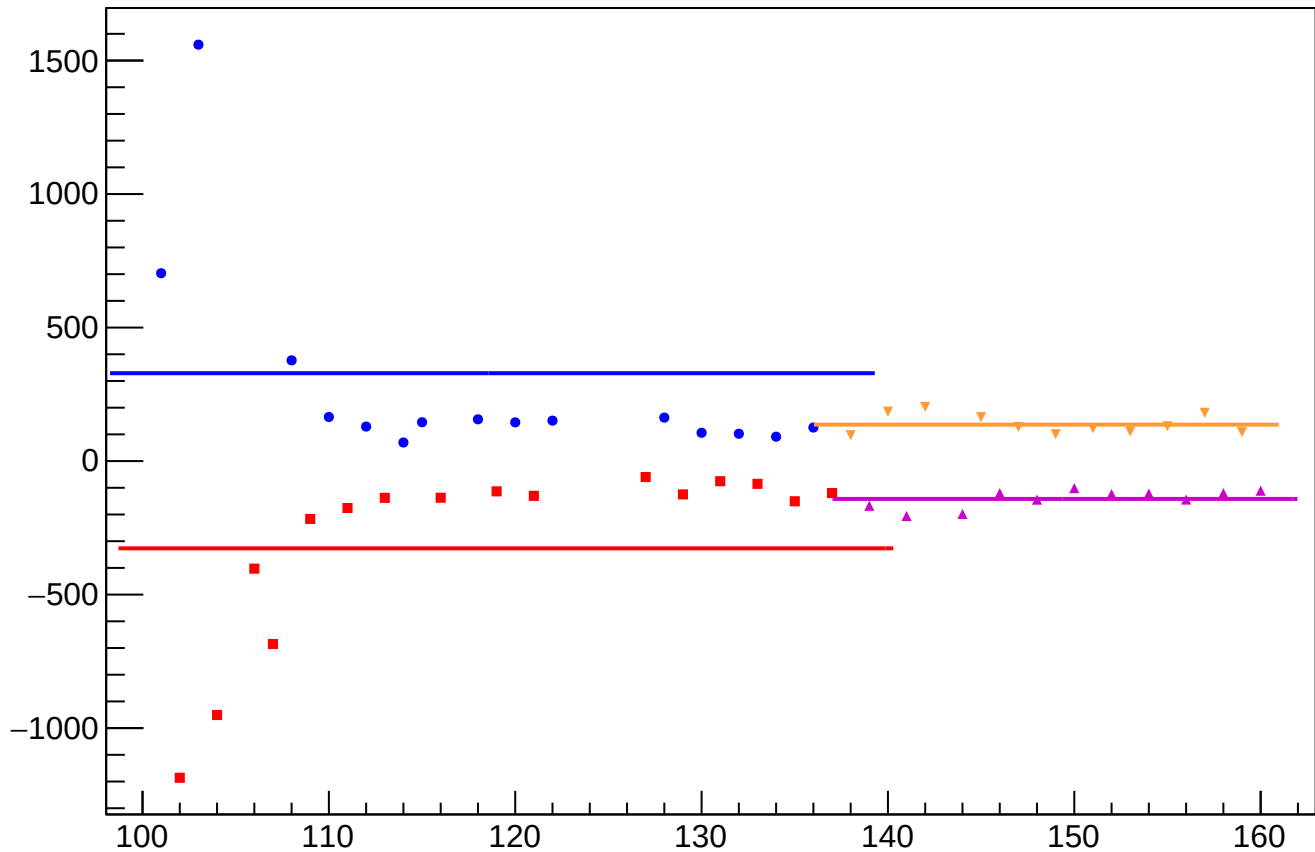
χ^2/NDF : 1078379020126412317155932275156201766912.0/15

Left In: 1096.508+/-0.000

χ^2/NDF : 23397092464085092375008014674557927424.0/10

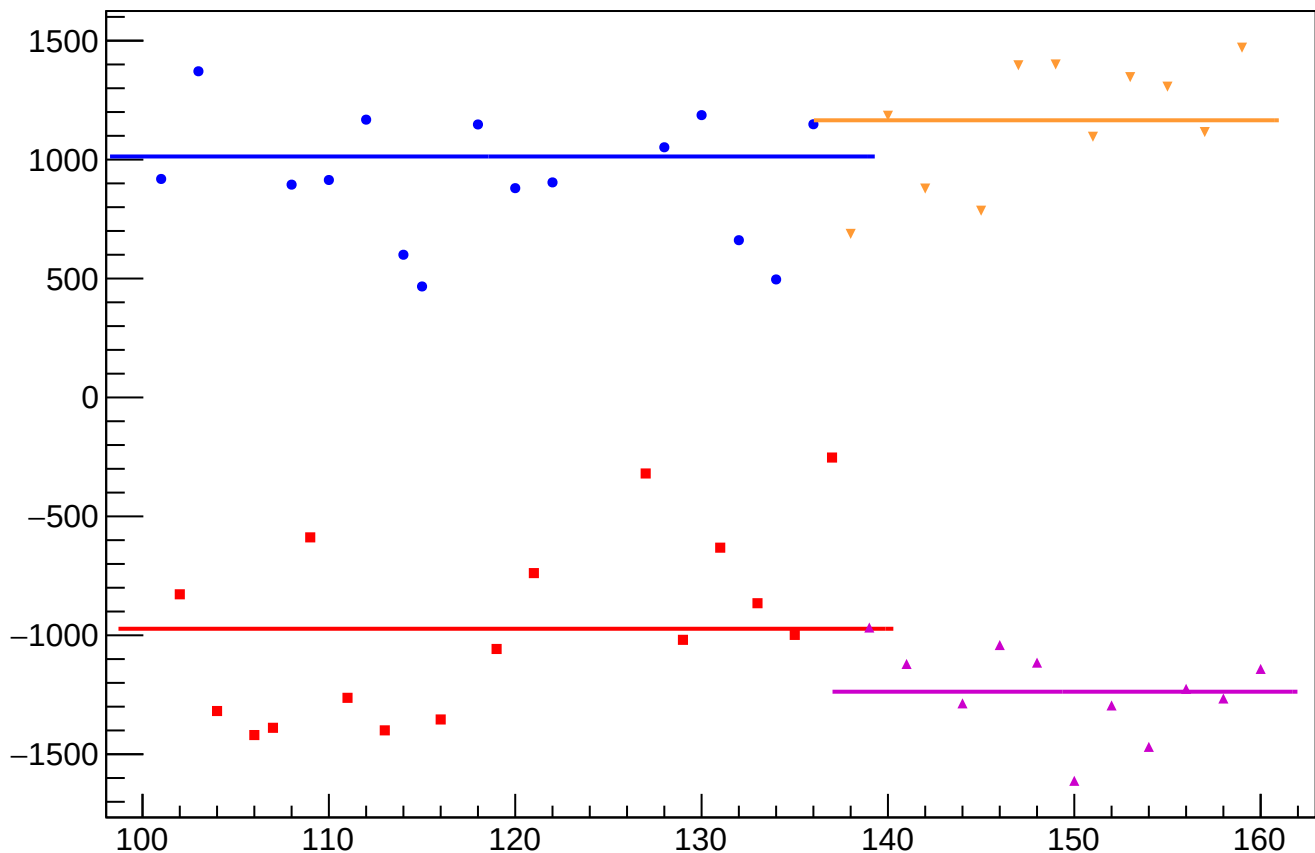
All: 76.624+/-0.000 χ^2/NDF : 4462374559981

dit_usl_coil6_err_mean vs Slug, Sign Corrected



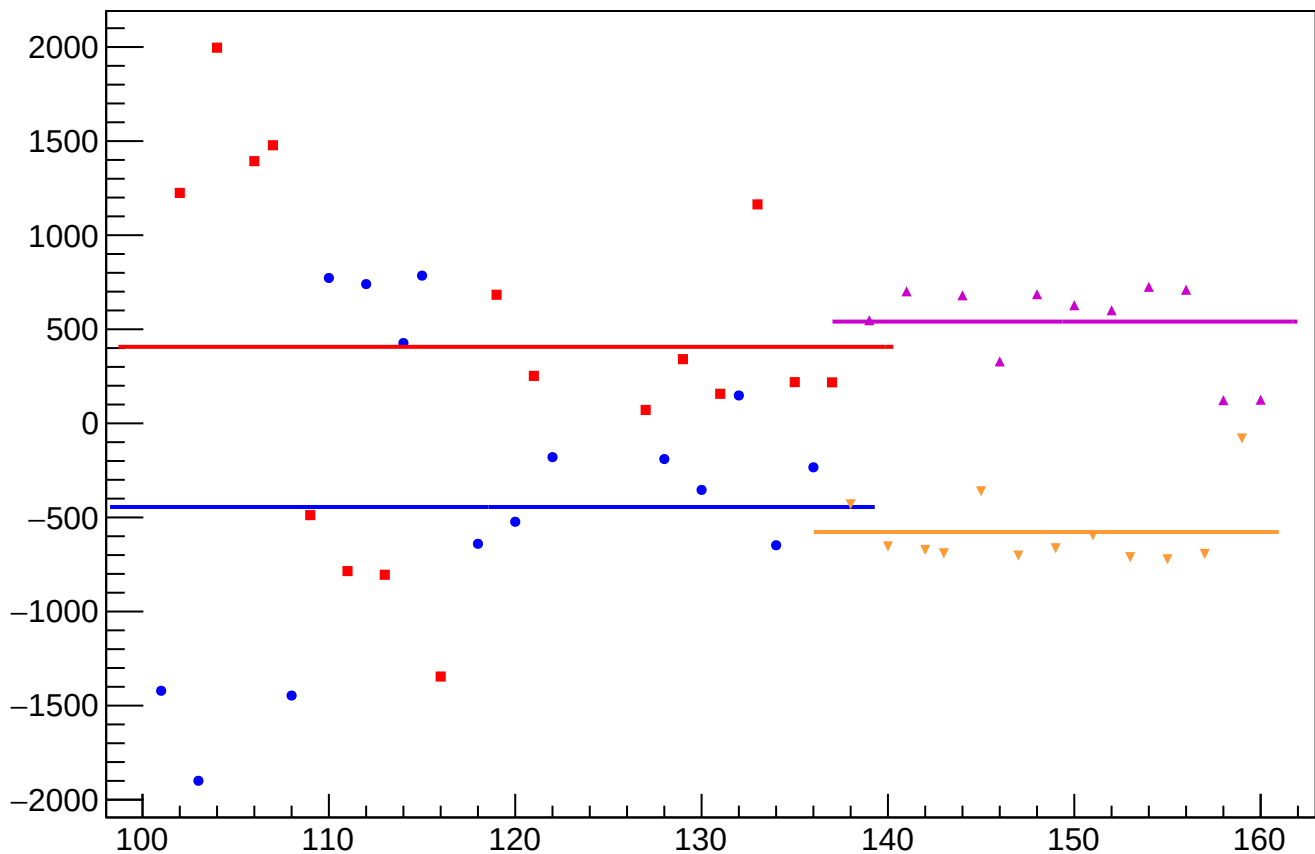
Right In: 329.108 ± 0.000 $\chi^2/\text{NDF}: 116863820700538623524207945698672377856.0/14$
 Left Out: 136.529 ± 0.000 $\chi^2/\text{NDF}: 986372818283314141100082094359445504.0/10$
 Right Out: -326.695 ± 0.000 $\chi^2/\text{NDF}: 87569123354318020688611028415151079424.0/15$
 Left In: -141.688 ± 0.000 $\chi^2/\text{NDF}: 1044882408057849194081424130600599552.0/10$
 All: -6.209 ± 0.000 $\chi^2/\text{NDF}: 3822219588466$

dit_usl_coil6_Ndata_mean vs Slug, Sign Corrected

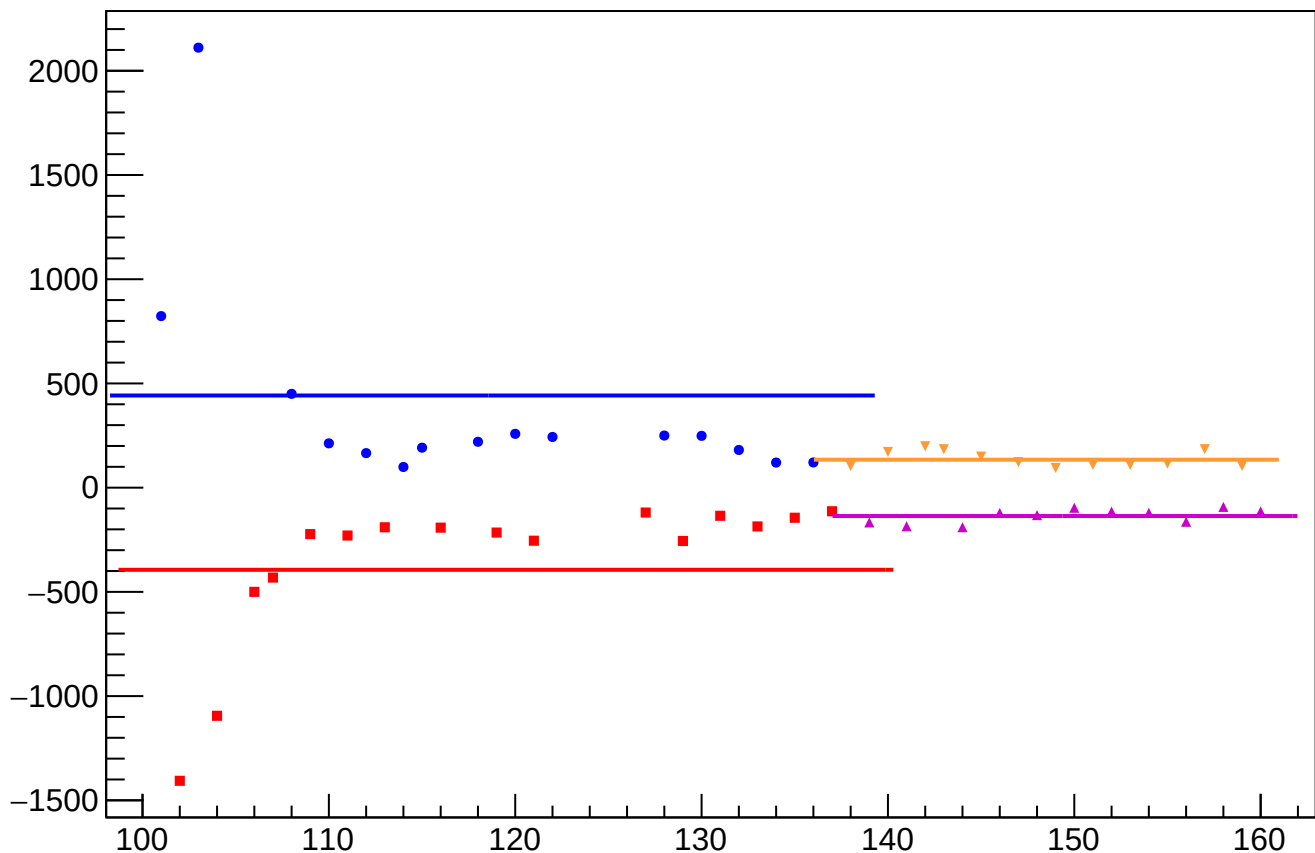


Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1165.293+/-0.000 χ^2/NDF : 54526526454727326957619493827495591936.0/10
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -46.515+/-0.000 χ^2/NDF : 405416159509

dit_usr_coil6_mean vs Slug, Sign Corrected

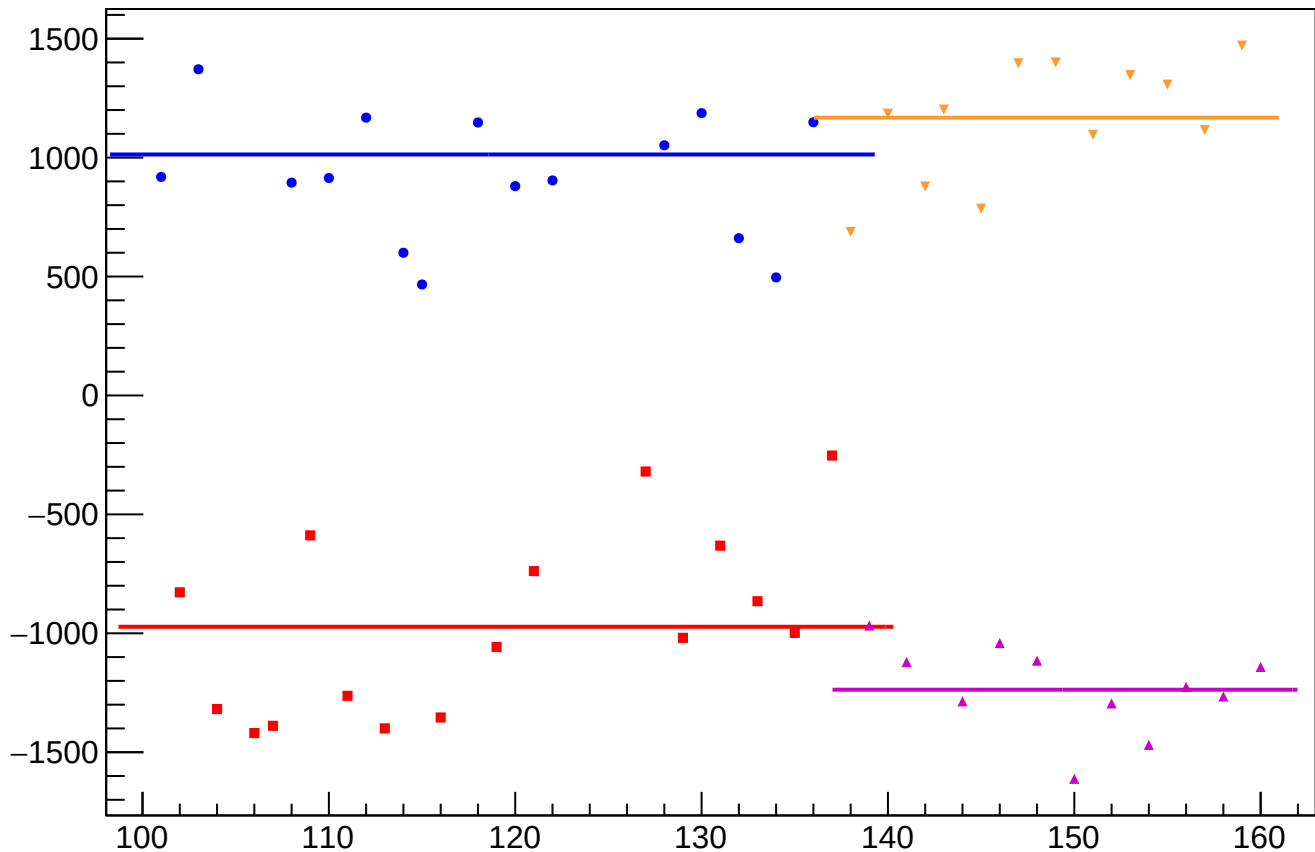


dit_usr_coil6_err_mean vs Slug, Sign Corrected



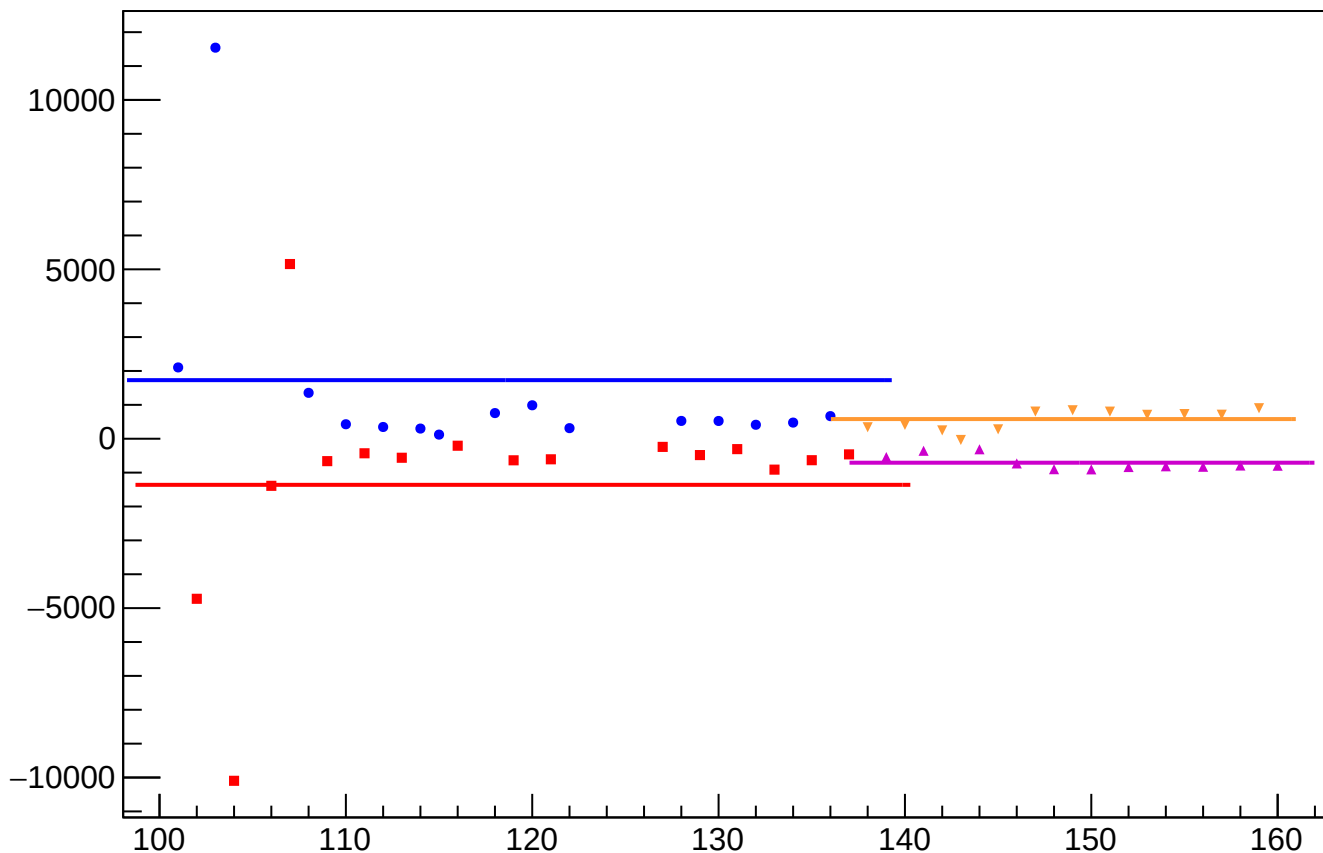
Right In: 442.162+/-0.000 χ^2/NDF : 204015999343694089140945697316947361792.0/14
 Left Out: 134.122+/-0.000 χ^2/NDF : 1108150296028178587463342476455051264.0/11
 Right Out: -394.033+/-0.000 χ^2/NDF : 105882611624182009489804426207740035072.0/15
 Left In: -136.040+/-0.000 χ^2/NDF : 1011093061479650527261127450495549440.0/10
 All: 6.789+/-0.000 χ^2/NDF : 57591258624057

dit_usr_coil6_Ndata_mean vs Slug, Sign Corrected



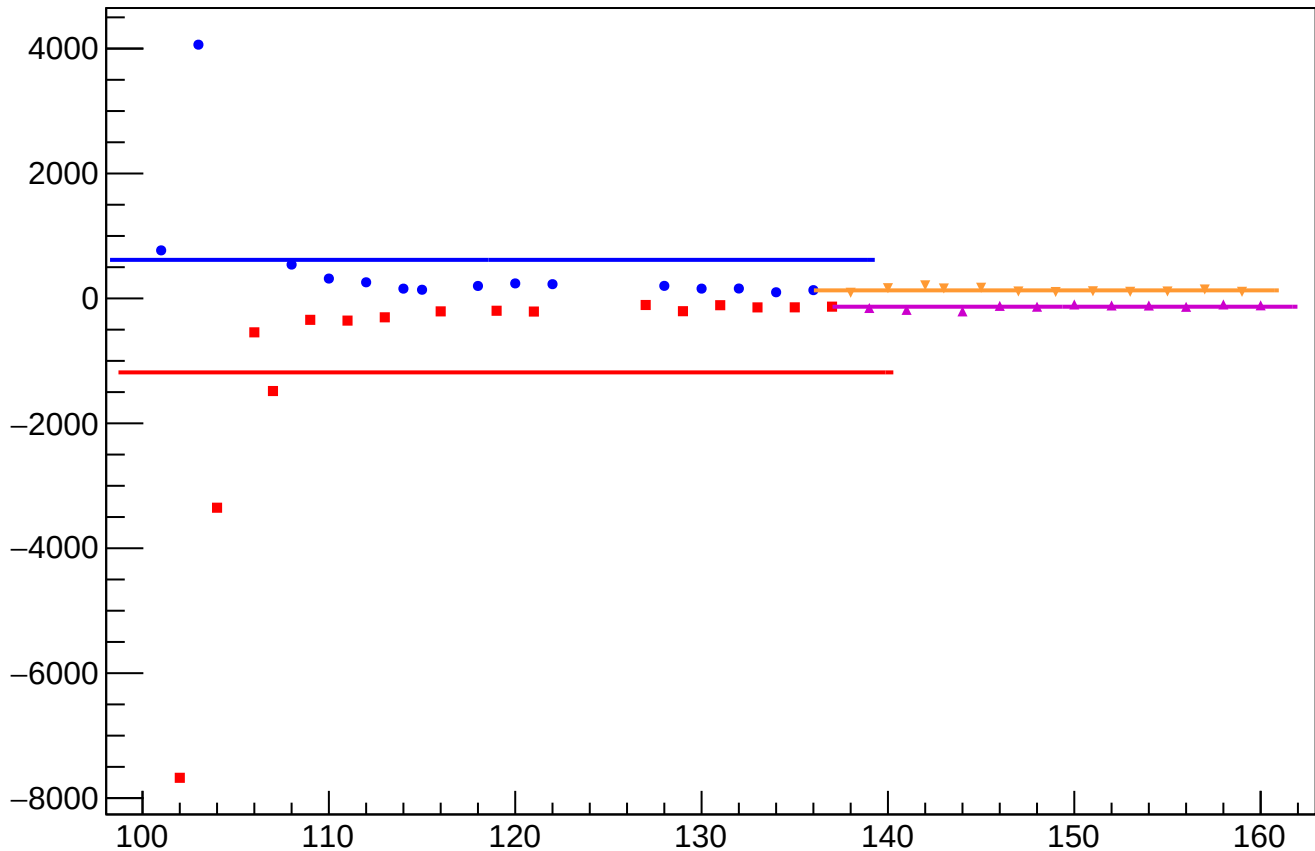
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_atl1_coil6_mean vs Slug, Sign Corrected



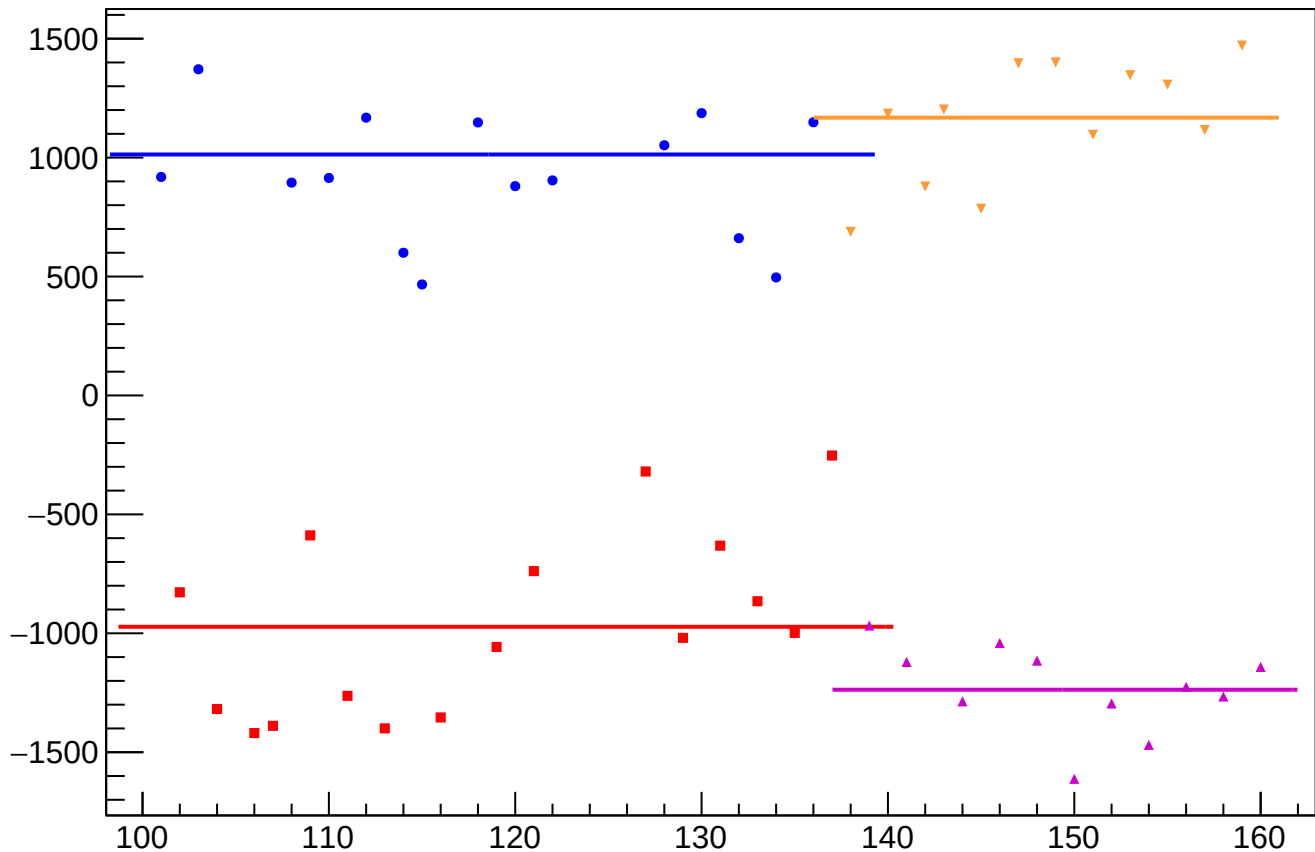
Right In: 1729.013+/-0.000 χ^2/NDF : 6413121297273347408075624116507964866560.0/14
 Left Out: 580.248+/-0.000 χ^2/NDF : 70857978434076624009429979212728500224.0/11
 Right Out: -1360.914+/-0.000 χ^2/NDF : 6431605933148863413038417850186506174464.0/15
 Left In: -707.889+/-0.000 χ^2/NDF : 38116486188817980699032426002432131072.0/10
 All: 29.268+/-0.000 χ^2/NDF : 1689828119221

dit_atl1_coil6_err_mean vs Slug, Sign Corrected



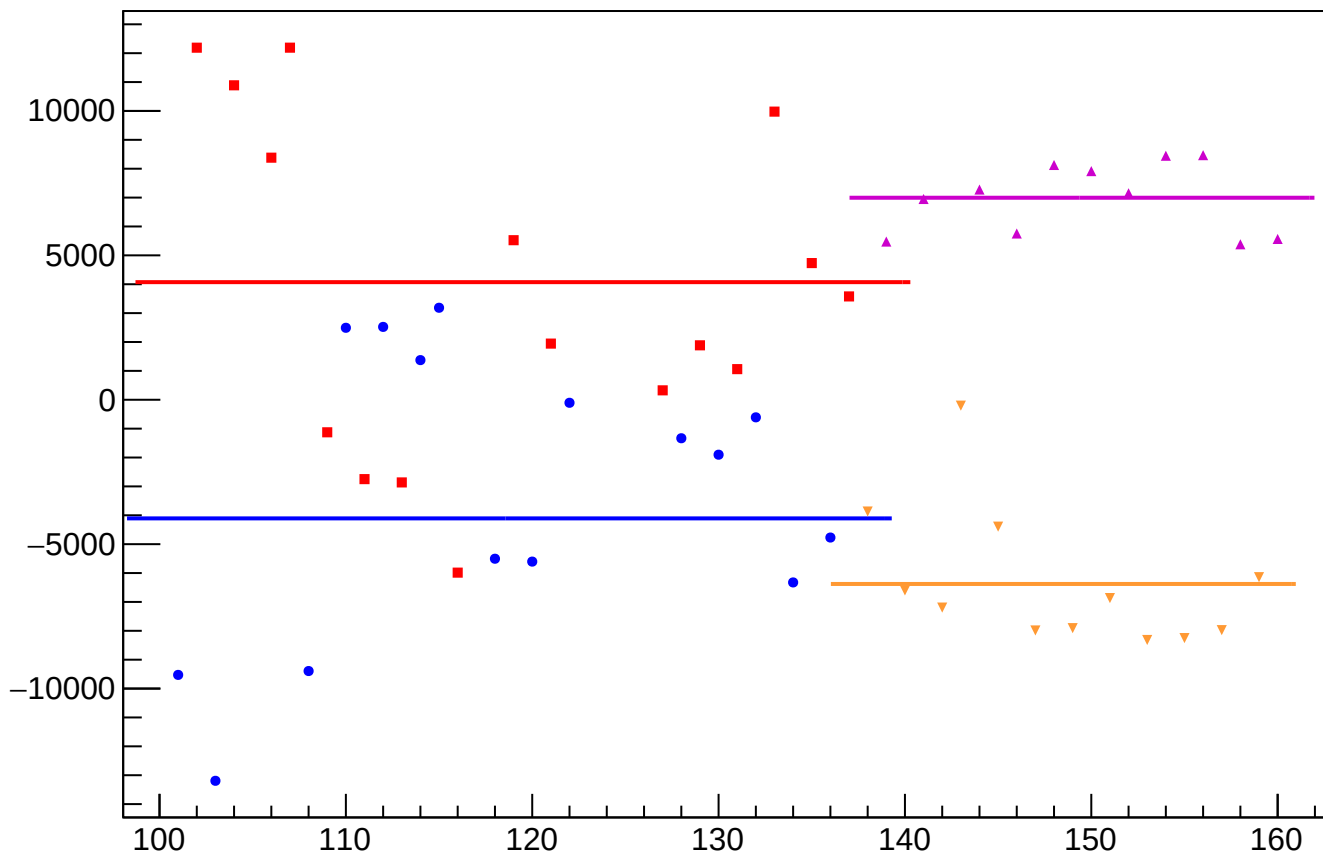
Right In: 617.343+/-0.000 χ^2/NDF : 792366012985954198345317750268755968000.0/14
 Left Out: 128.916+/-0.000 χ^2/NDF : 946446281889996410736335590619348992.0/11
 Right Out: -1184.322+/-0.000 χ^2/NDF : 3167423043121242666563535820496559931392.0/15
 Left In: -132.869+/-0.000 χ^2/NDF : 1091839085664014112201463155711279104.0/10
 All: -124.752+/-0.000 χ^2/NDF : 51271351902

dit_atl1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_atl2_coil6_mean vs Slug, Sign Corrected



Right In: -4107.443+/-0.000

Left Out: -6377.972+/-0.000

Right Out: 4072.120+/-0.000

Left In: 6994.812+/-0.000

χ^2/NDF : 14527436324982031454277780831211819630592.0/14

χ^2/NDF : 4622591154954588275207693526333594271744.0/11

χ^2/NDF : 20367171423690168095778854678764929941504.0/15

χ^2/NDF : 1231738289385705389055875270097690951680.0/10

Left: 333.844+/-0.000 χ^2/NDF : 8816027635045107

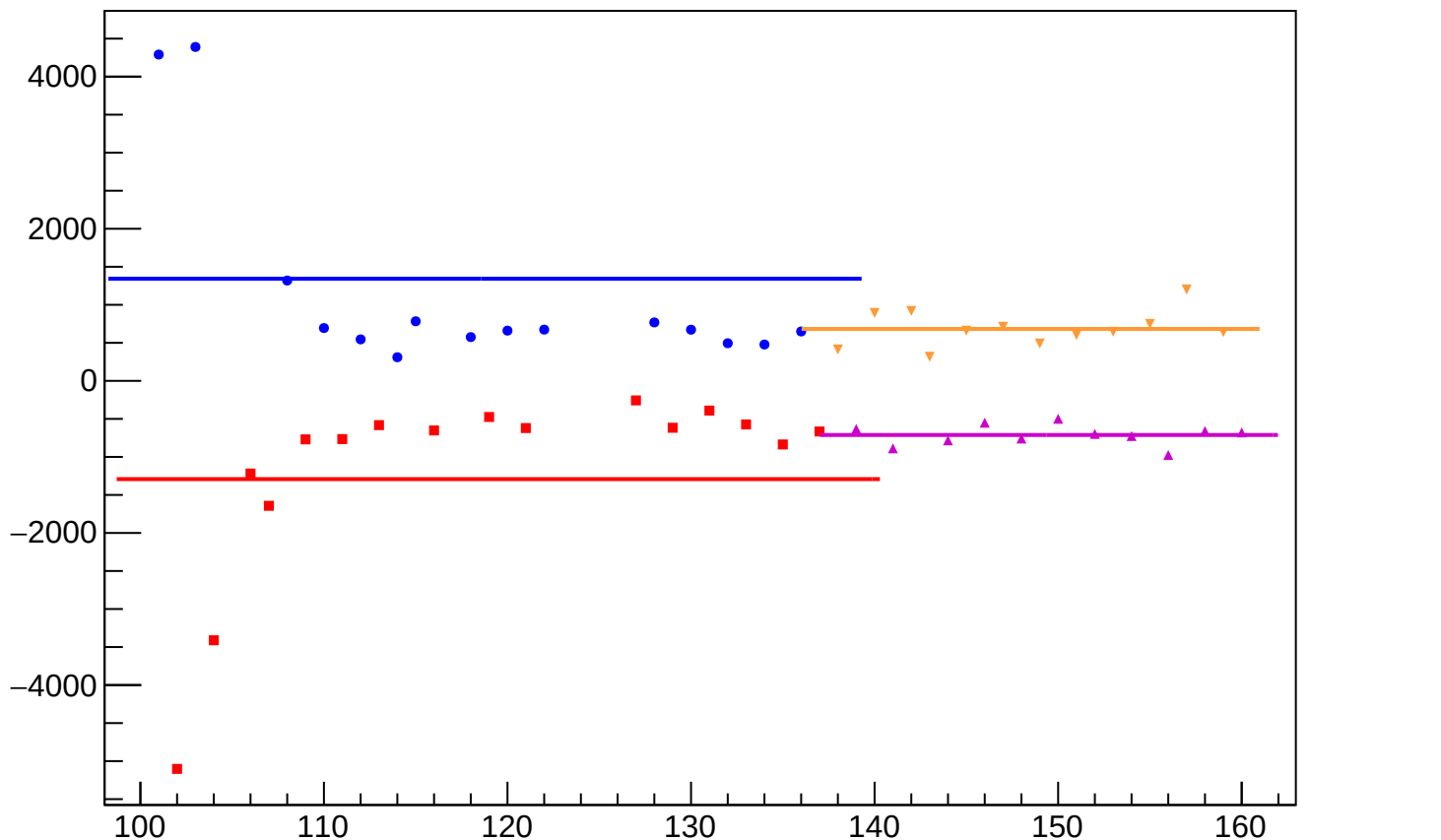
Right: 38.278+/-0.000 χ^2/NDF : 5690231407009786

In: 2414.162+/-0.000 χ^2/NDF : 6274970680925114

Out: -1977.586+/-0.000 χ^2/NDF : 67157489974478

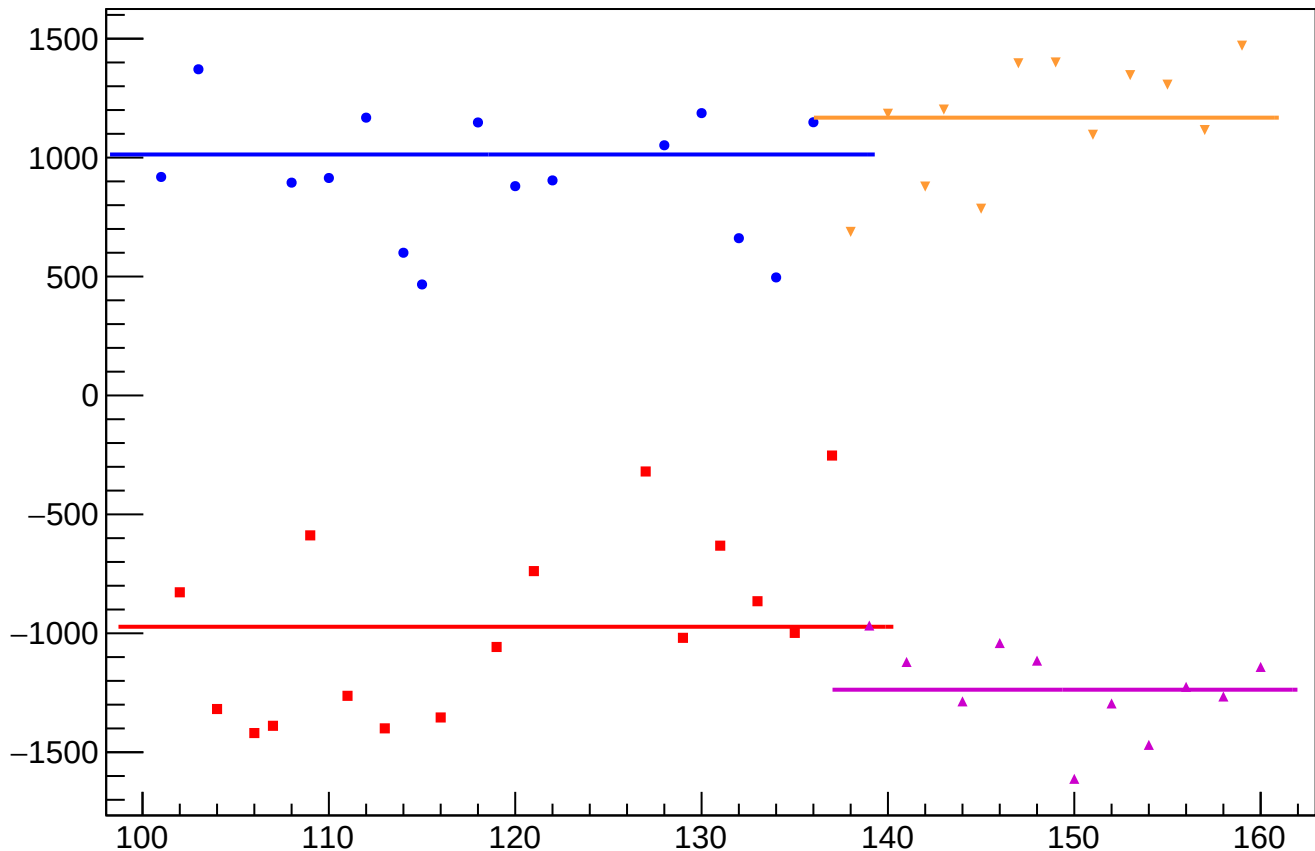
All: 210.636+/-0.000 χ^2/NDF : 145129632004

dit_atl2_coil6_err_mean vs Slug, Sign Corrected



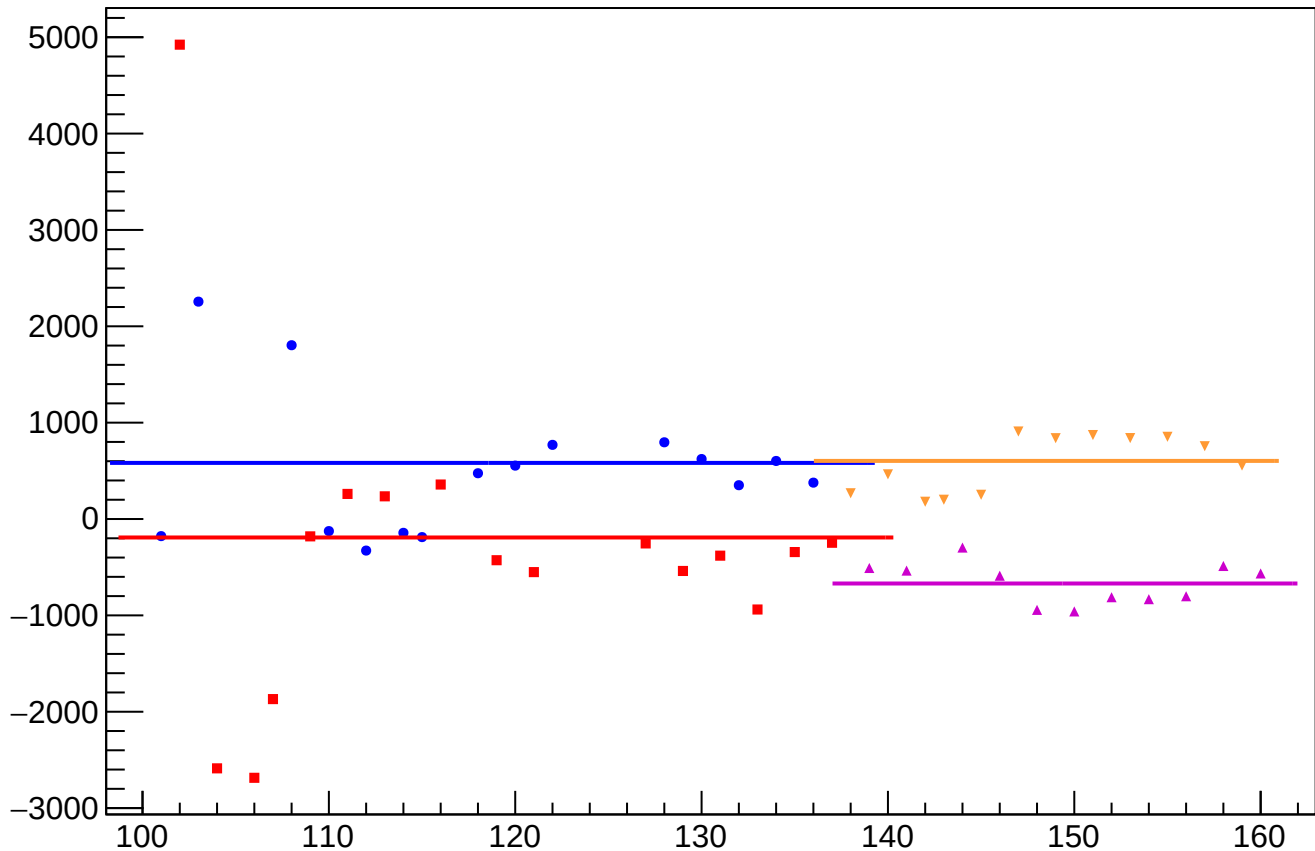
Right In: 1343.321+/-0.000 χ^2/NDF : 1317478352429773686550511077330771771392.0/14
 Left Out: 683.065+/-0.000 χ^2/NDF : 46379995695844949663521519572812300288.0/11
 Right Out: -1291.796+/-0.000 χ^2/NDF : 1323568917008872977905960011586991030272.0/15
 Left In: -711.726+/-0.000 χ^2/NDF : 15873419979583207307068429247017123840.0/10
 All: -6.676+/-0.000 χ^2/NDF : 5883243958670

dit_atl2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_atr1_coil6_mean vs Slug, Sign Corrected



Right In: 582.390+/-0.000

χ^2/NDF : 338796567623032040072791996460490031104.0/14

Left Out: 603.094+/-0.000

χ^2/NDF : 68810038419463001004878574988679970816.0/11

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: -35.449+/-0.000 χ^2/NDF : 8532502457359131

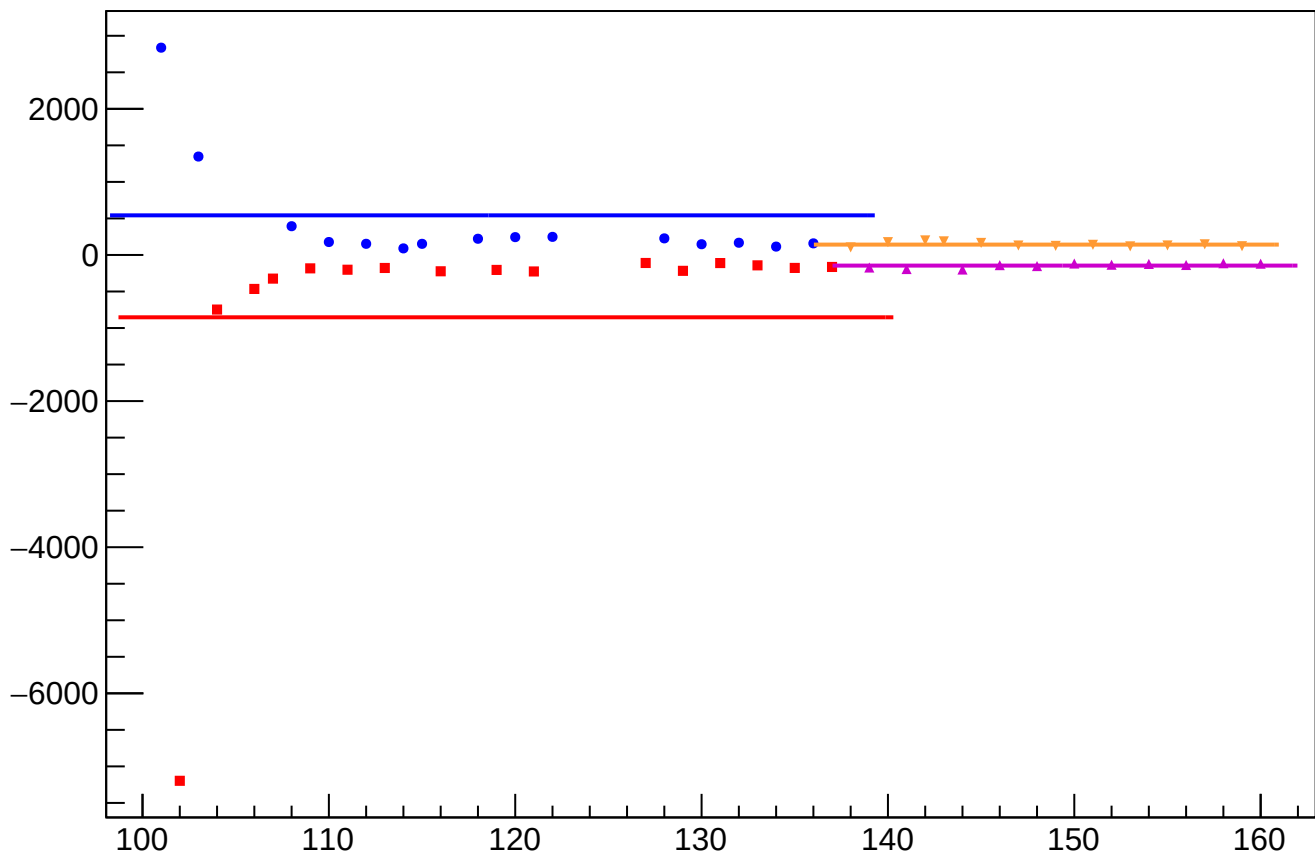
Right: 190.108+/-0.000 χ^2/NDF : 270460615635385

In: -152.784+/-0.000 χ^2/NDF : 9754243982311555

Out: 268.465+/-0.000 χ^2/NDF : 2481424308915495

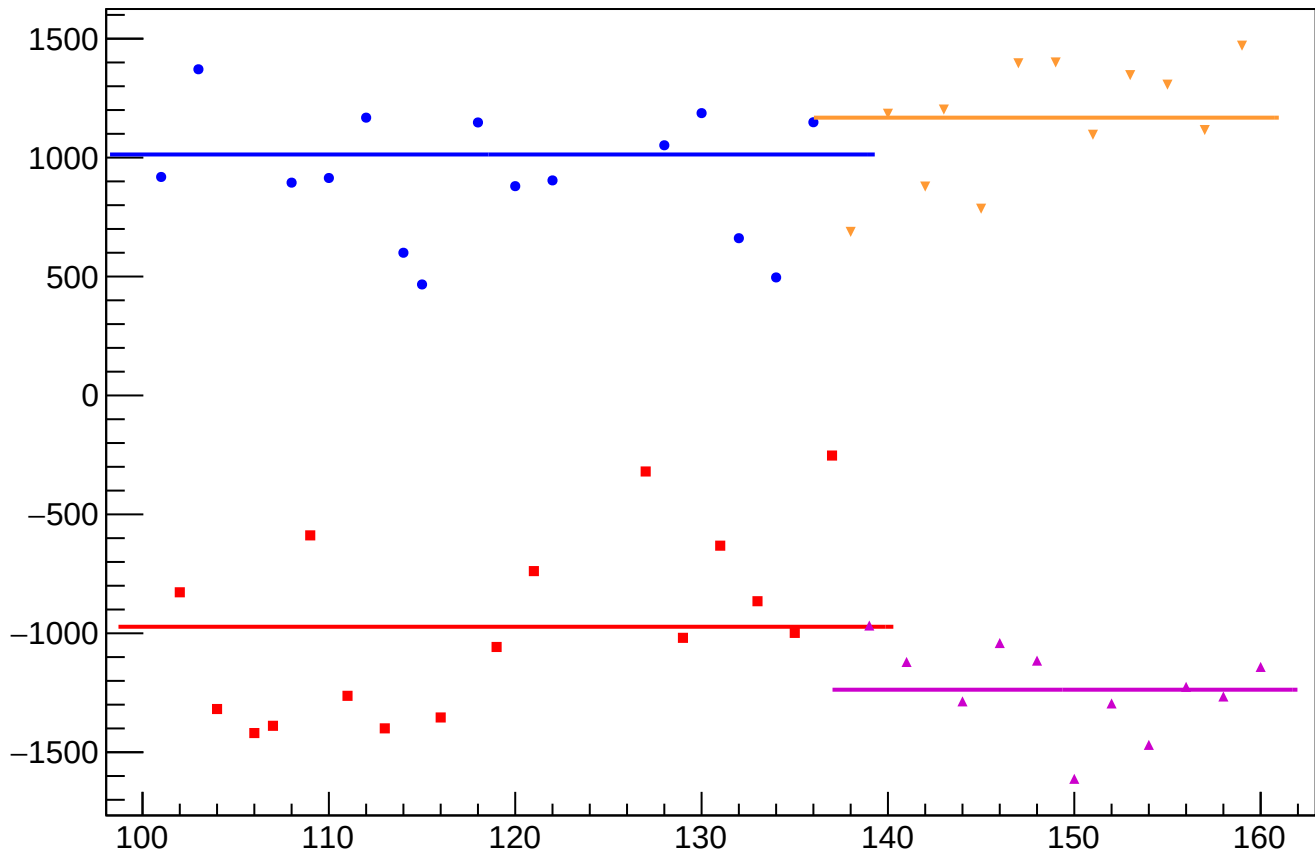
All: 58.575+/-0.000 χ^2/NDF : 3596899884721

dit_atr1_coil6_err_mean vs Slug, Sign Corrected



Right In: 542.328 +/- 0.000 χ^2/NDF : 414378812003795549649034048462817067008.0/14
 Left Out: 141.867 +/- 0.000 χ^2/NDF : 675701485078594006846282081211777024.0/11
 Right Out: -853.203 +/- 0.000 χ^2/NDF : 2574076381441046787772449137133917044736.0/15
 Left In: -145.502 +/- 0.000 χ^2/NDF : 782066035610550272928661281894825984.0/10
 All: -70.151 +/- 0.000 χ^2/NDF : 368882425713

dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1167.974+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.161+/-0.000 χ^2/NDF : 2747267695574641

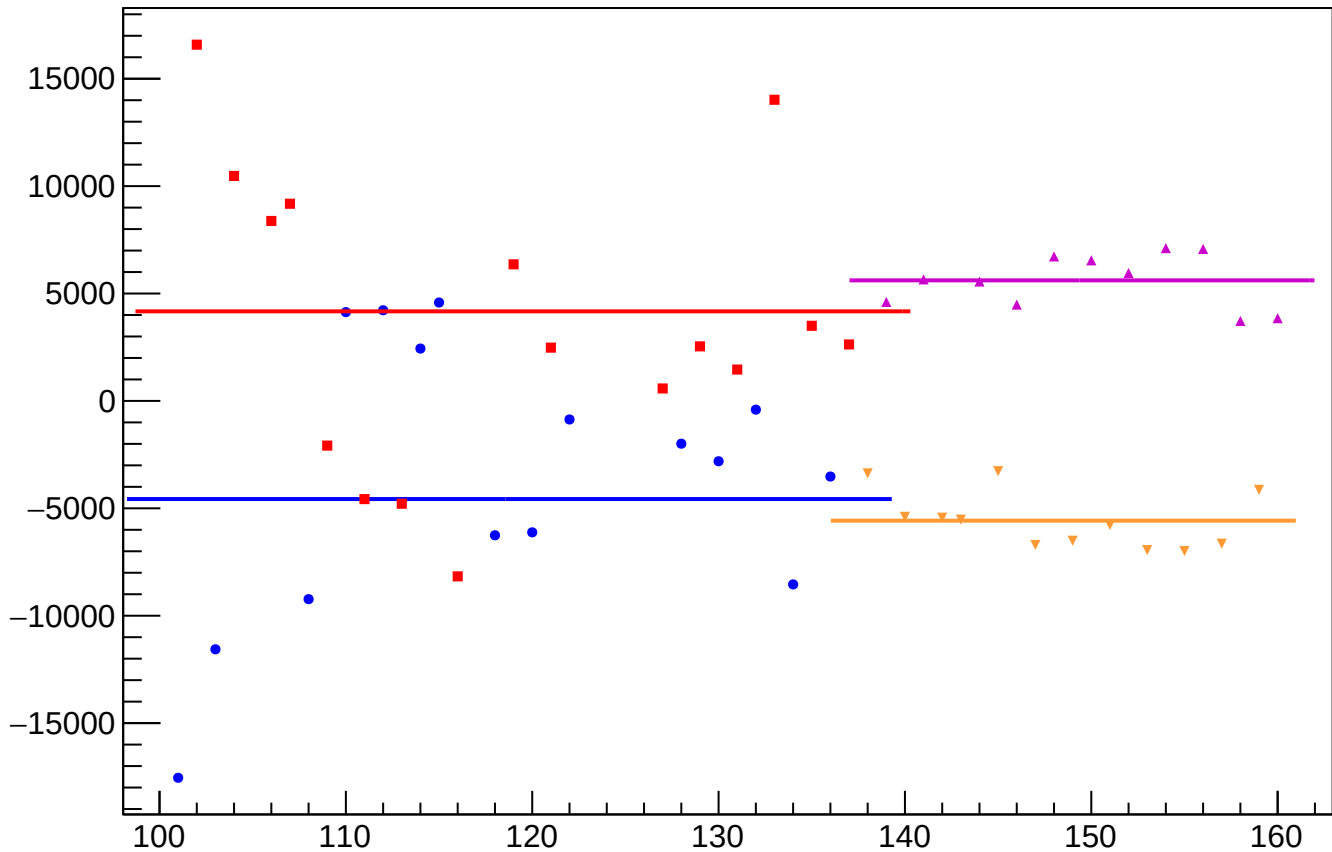
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_atr2_coil6_mean vs Slug, Sign Corrected



Right In: -4568.297+/-0.000

Left Out: -5574.062+/-0.000

Right Out: 4170.773+/-0.000

Left In: 5613.024+/-0.000

χ^2/NDF : 24195052148165719540713110921977756909568.0/14

χ^2/NDF : 1562689011038892047530316656159376801792.0/11

χ^2/NDF : 30967248832187912041113909559481103024128.0/15

χ^2/NDF : 1272210659936261957248133173503170969600.0/10

Left: 40.749+/-0.000 χ^2/NDF : 60434762457962986

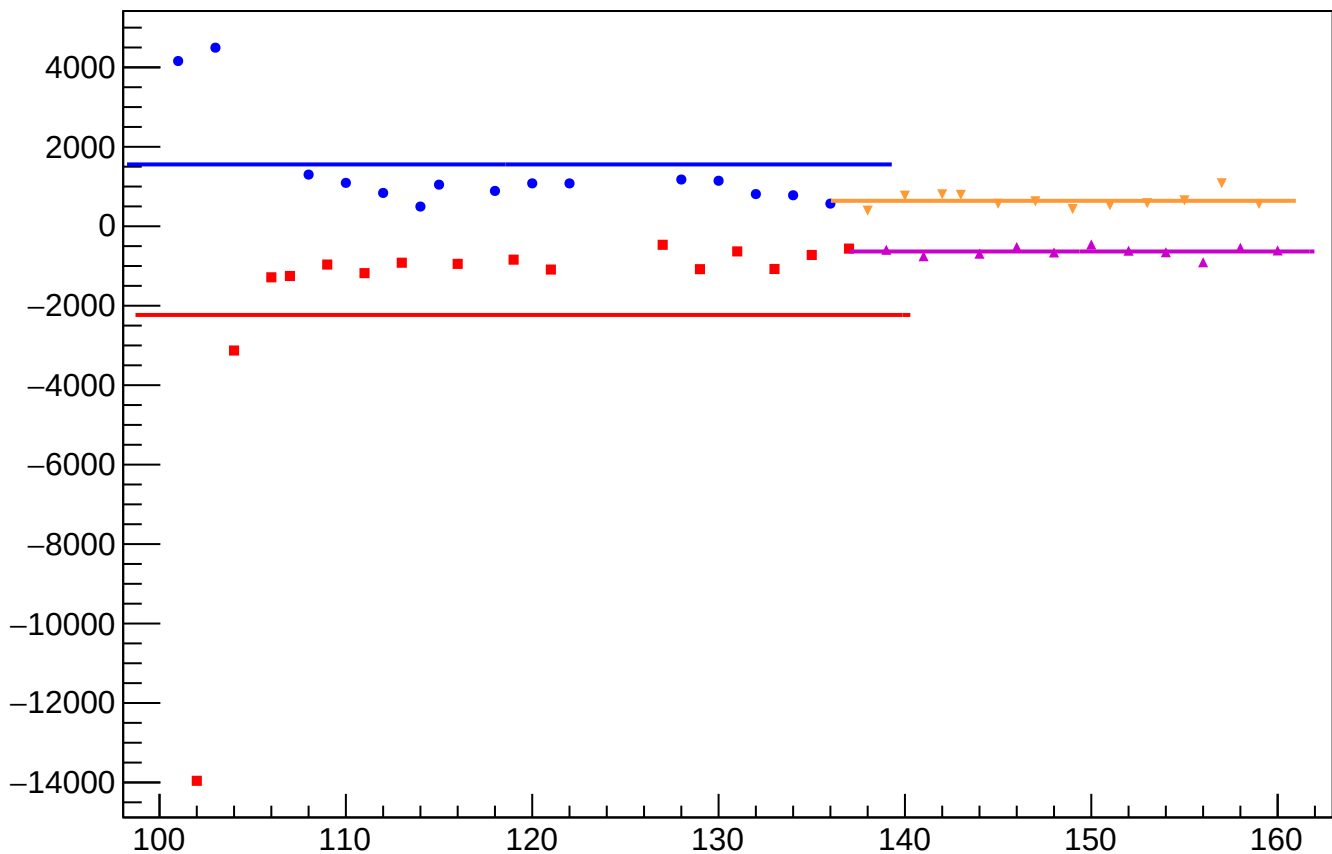
Right: -138.996+/-0.000 χ^2/NDF : 80283768430562

In: 1412.339+/-0.000 χ^2/NDF : 6498537450862054

Out: -1470.650+/-0.000 χ^2/NDF : 69198079726884

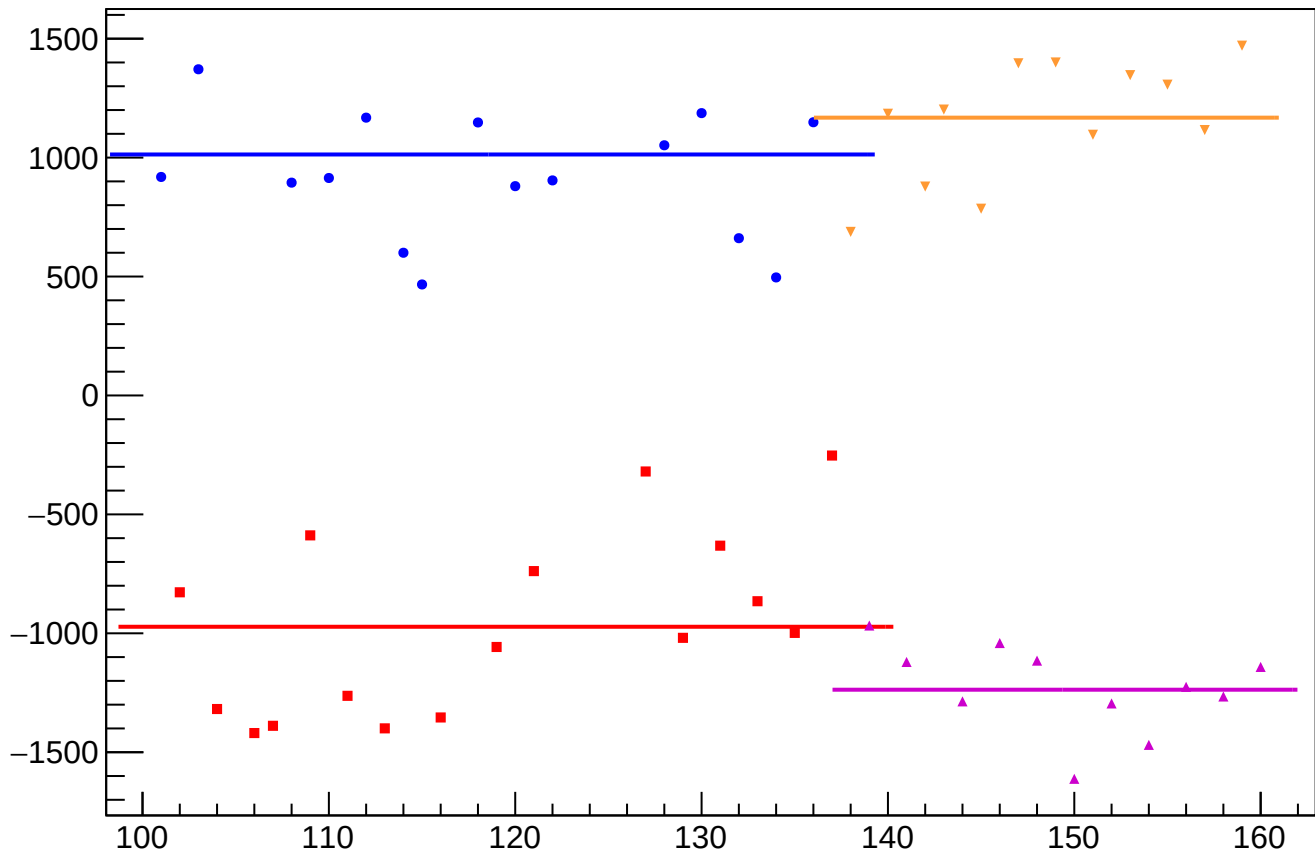
All: -34.178+/-0.000 χ^2/NDF : 140743325235

dit_atr2_coil6_err_mean vs Slug, Sign Corrected



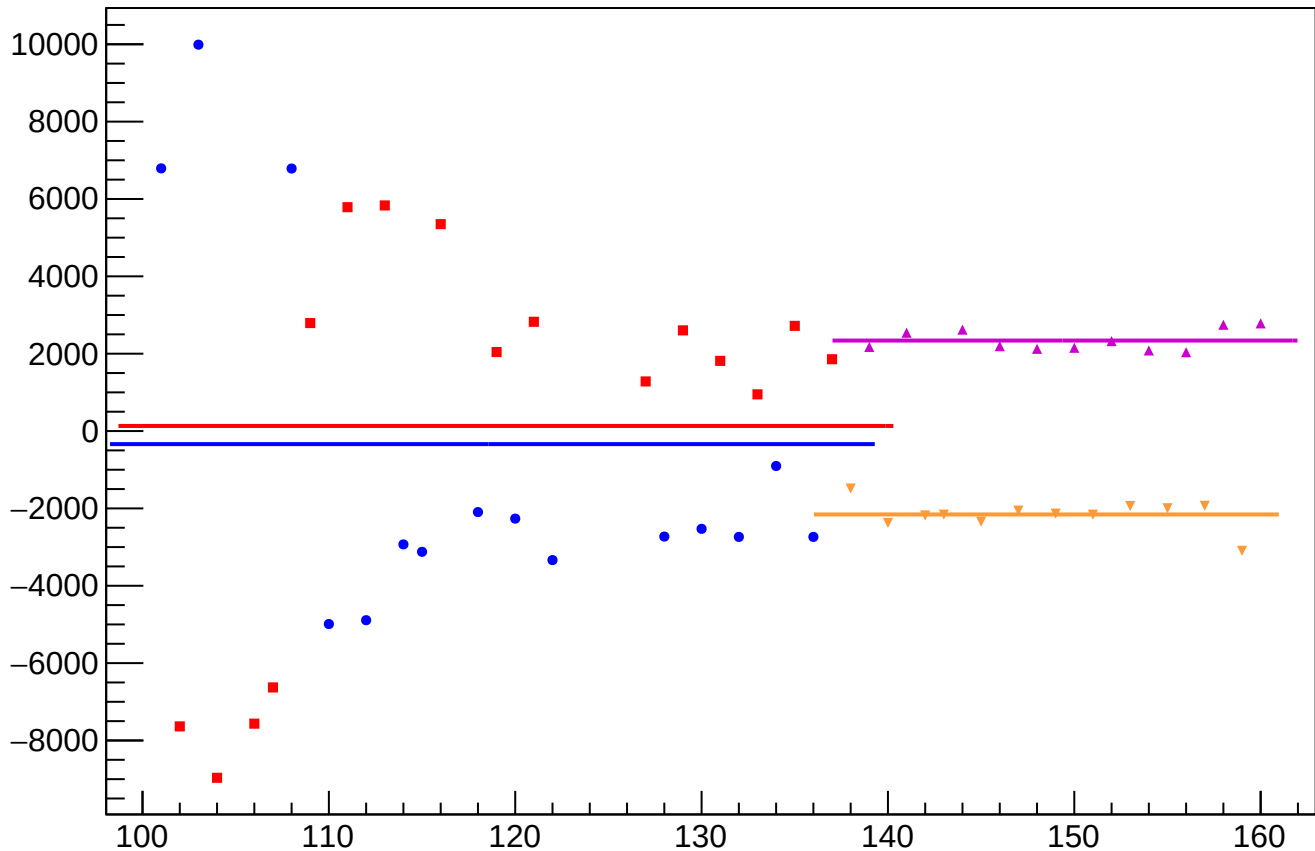
Right In: 1556.763 $\pm$ 0.000 χ^2 /NDF: 1139364239218600567191855131756930793472.0/14
 Left Out: 640.537 $\pm$ 0.000 χ^2 /NDF: 30170658754052148161516421209078628352.0/11
 Right Out: -2232.520 $\pm$ 0.000 χ^2 /NDF: 8990395725533930134878595569706942332928.0/15
 Left In: -634.562 $\pm$ 0.000 χ^2 /NDF: 12308442809403031190669556314642841600.0/10
 All: -151.319 $\pm$ 0.000 χ^2 /NDF: 15745535333

dit_atr2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam1_coil6_mean vs Slug, Sign Corrected



Right In: -337.865 ± 0.000

$\chi^2/NDF: 15152515933007079891661097940762081886208.0/14$

Left Out: -2155.781 ± 0.000

$\chi^2/NDF: 123219365127325232212410930135251812352.0/11$

Right Out: 131.545 ± 0.000

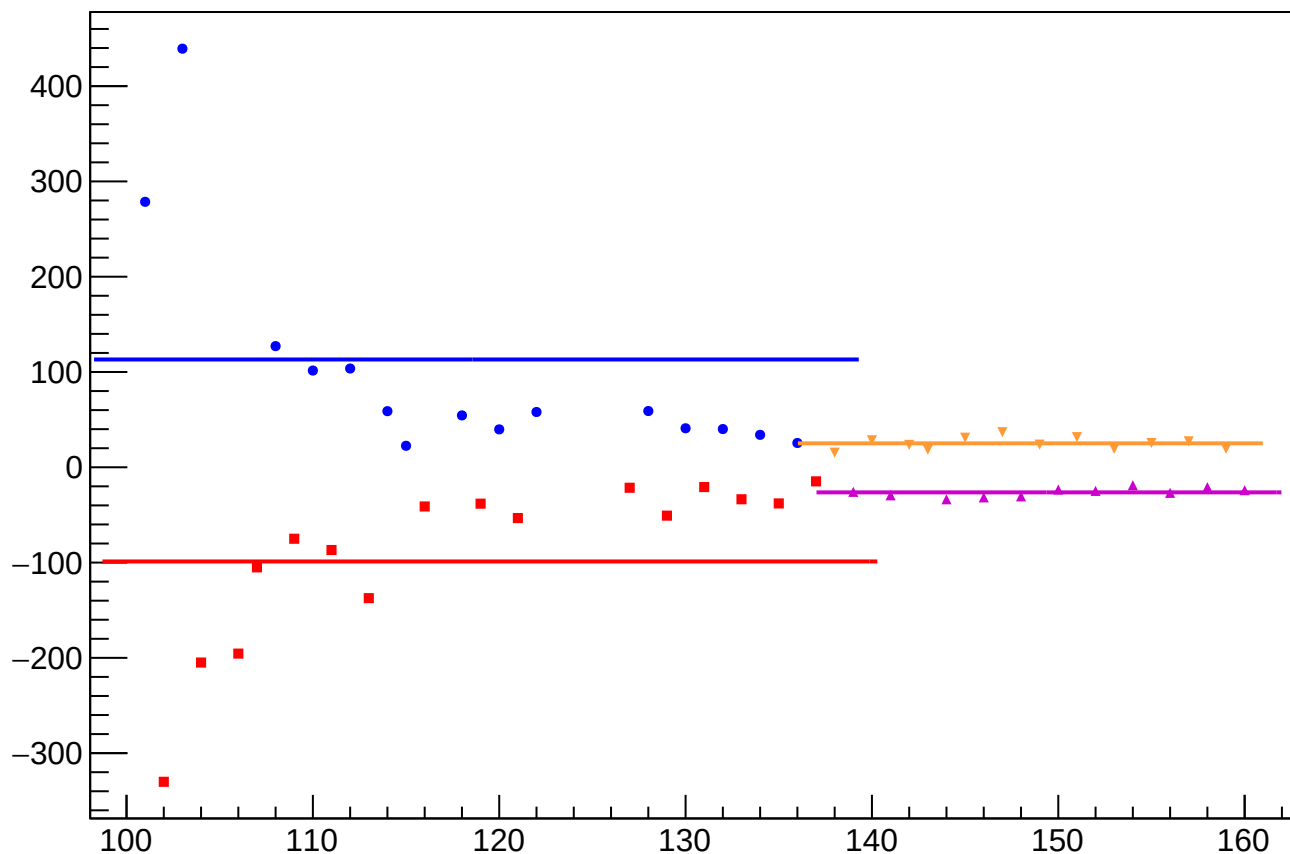
$\chi^2/NDF: 16473217651078877976377424419956902068224.0/15$

Left In: 2339.639 ± 0.000

$\chi^2/NDF: 62860144247456957543810906284181422080.0/10$

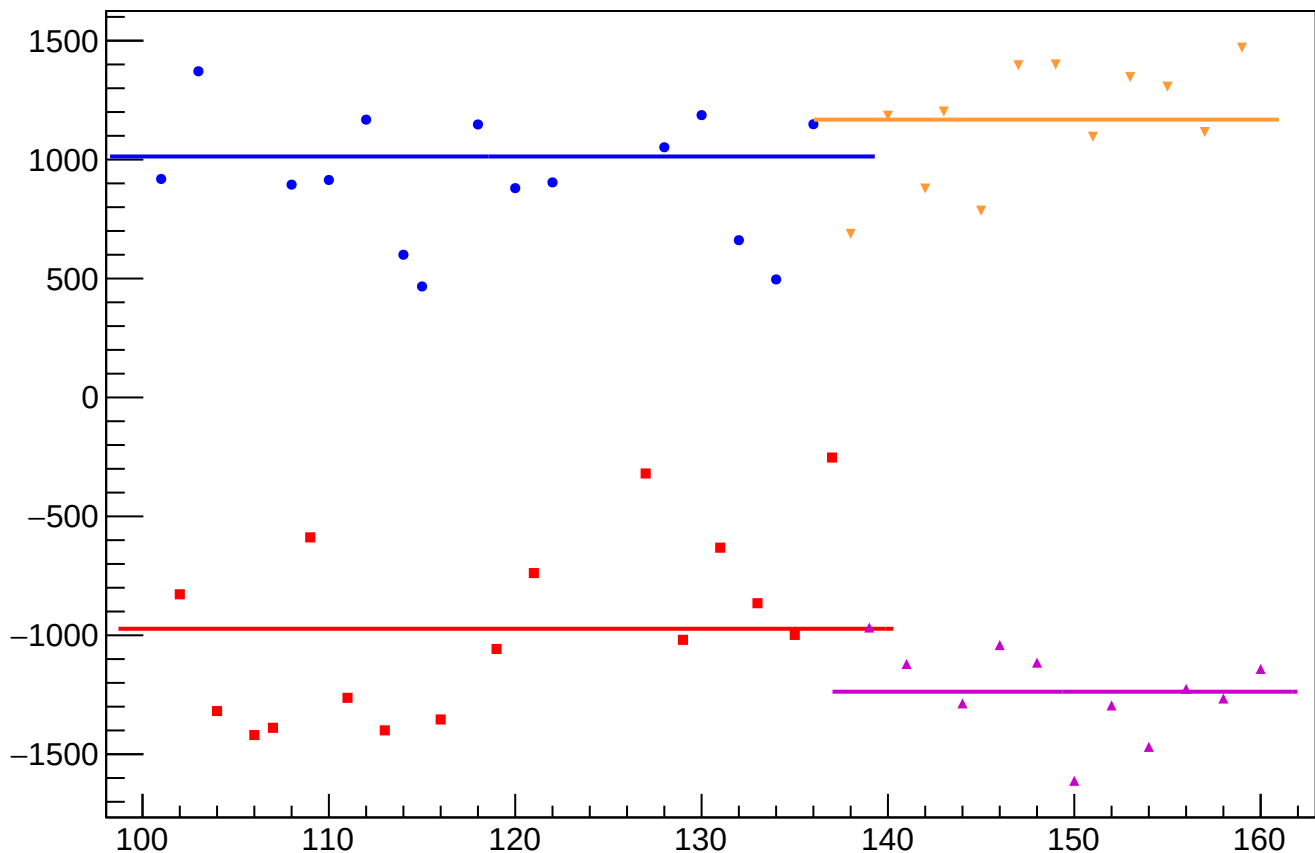
All: 16.928 ± 0.000 $\chi^2/NDF: 4121608496439$

dit_sam1_coil6_err_mean vs Slug, Sign Corrected



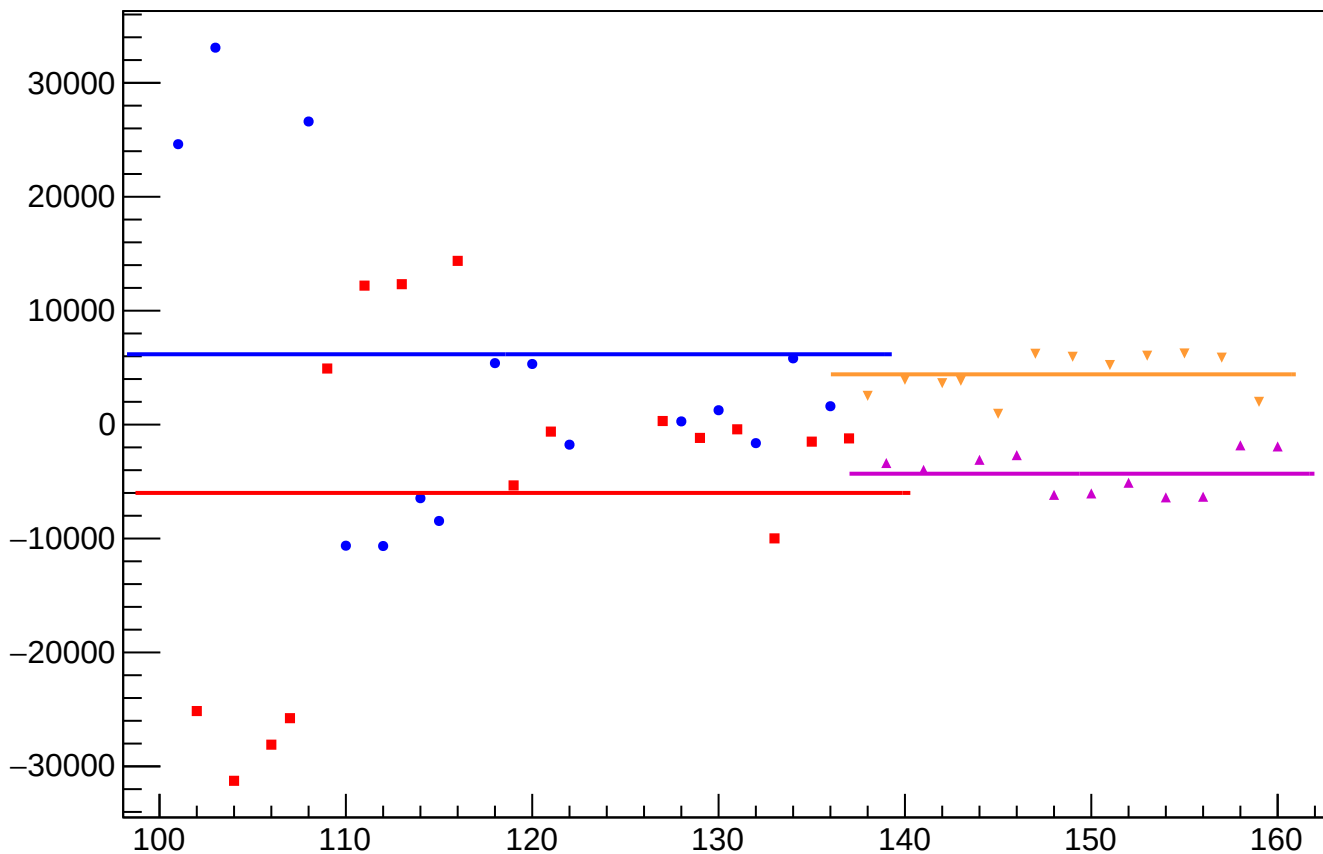
Right In: 113.134 $\pm$ 0.000 χ^2 /NDF: 9989638354332004017458192433874468864.0/14
 Left Out: 25.122 $\pm$ 0.000 χ^2 /NDF: 34236554639910499014555581559078912.0/11
 Right Out: -98.833 $\pm$ 0.000 χ^2 /NDF: 5510365308590426333953610701260980224.0/15
 Left In: -26.331 $\pm$ 0.000 χ^2 /NDF: 18142873408814573481950758043648000.0/10
 All: 1.967 $\pm$ 0.000 χ^2 /NDF: 31581433115141

dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected



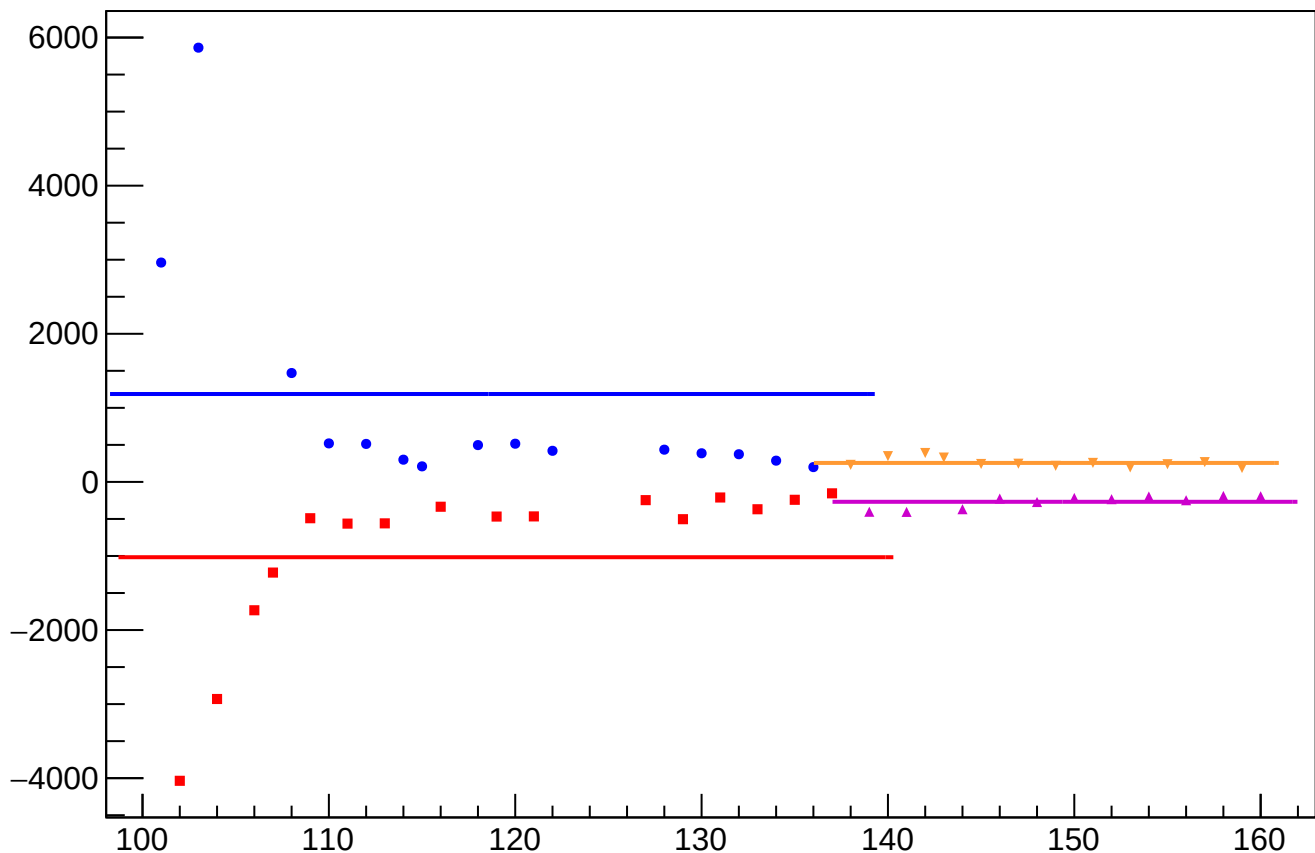
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam2_coil6_mean vs Slug, Sign Corrected



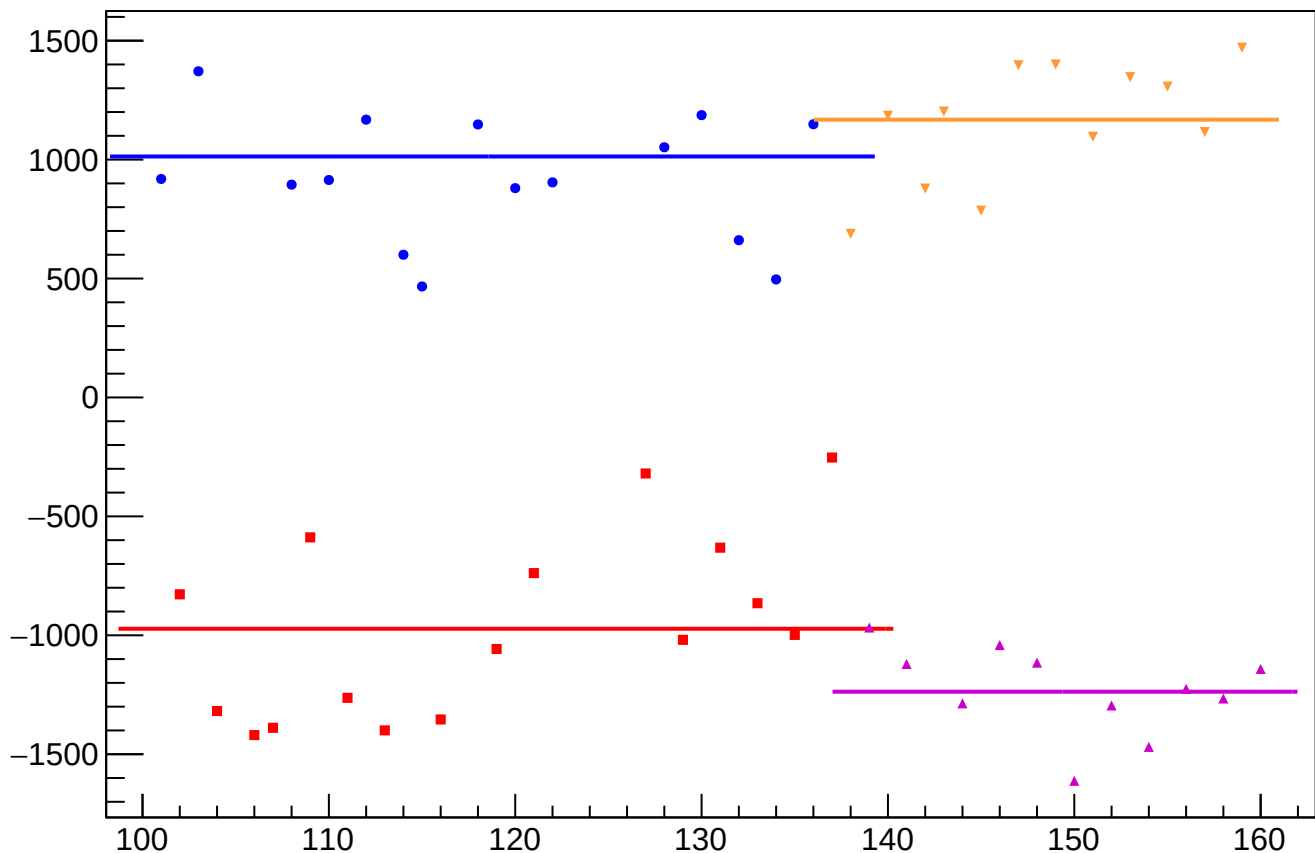
Right In: 6175.493+/-0.000 χ^2/NDF : 117260877162921223967478349050708452442112.0/14
 Left Out: 4413.614+/-0.000 χ^2/NDF : 2955972864027480615108884679842756296704.0/11
 Right Out: -5996.727+/-0.000 χ^2/NDF : 137057710785025136543407710107916356812800.0/15
 Left In: -4310.541+/-0.000 χ^2/NDF : 2687248811790643780000086030830396243968.0/10
 All: 22.940+/-0.000 χ^2/NDF : 3437284589394

dit_sam2_coil6_err_mean vs Slug, Sign Corrected



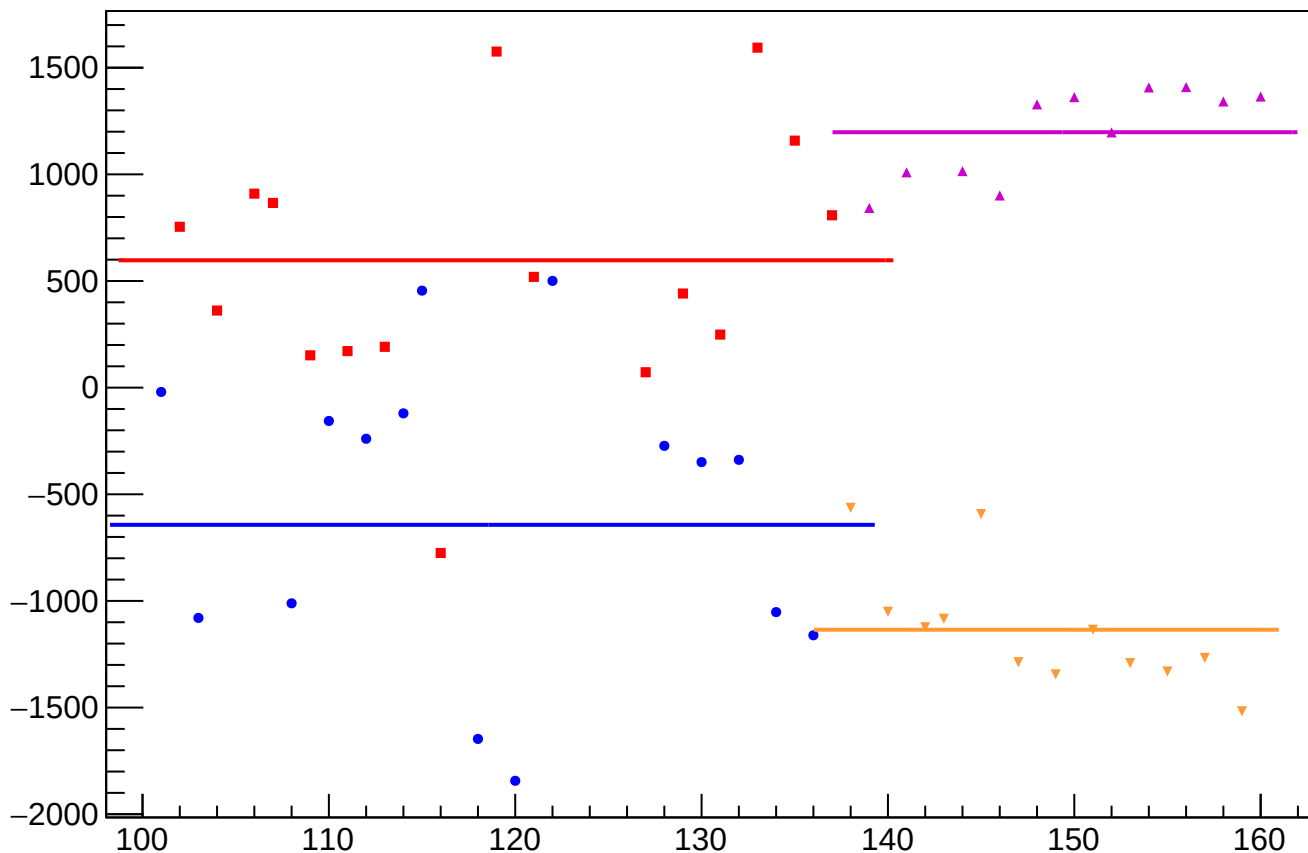
Right In: 1186.846+/-0.000 χ^2/NDF : 1796463312802023303623210264680353234944.0/14
 Left Out: 256.413+/-0.000 χ^2/NDF : 2796377992740210527233445839838904320.0/11
 Right Out: -1016.732+/-0.000 χ^2/NDF : 927646003466094249558391691024825057280.0/15
 Left In: -268.493+/-0.000 χ^2/NDF : 5855734975706547823556607966386847744.0/10
 All: 25.070+/-0.000 χ^2/NDF : 4461367552726

dit_sam2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam3_coil6_mean vs Slug, Sign Corrected



Right In: -643.217+/-0.000

Left Out: -1135.033+/-0.000

Right Out: 597.043+/-0.000

Left In: 1197.503+/-0.000

χ^2/NDF : 272726964608206694027285159784925364224.0/14

χ^2/NDF : 73789817632186163776632146016354697216.0/11

χ^2/NDF : 210733370798031449363504004319005376512.0/15

χ^2/NDF : 38624722141560961102710570239066636288.0/10

Left: 35.669+/-0.000 χ^2/NDF : 26164720645554087

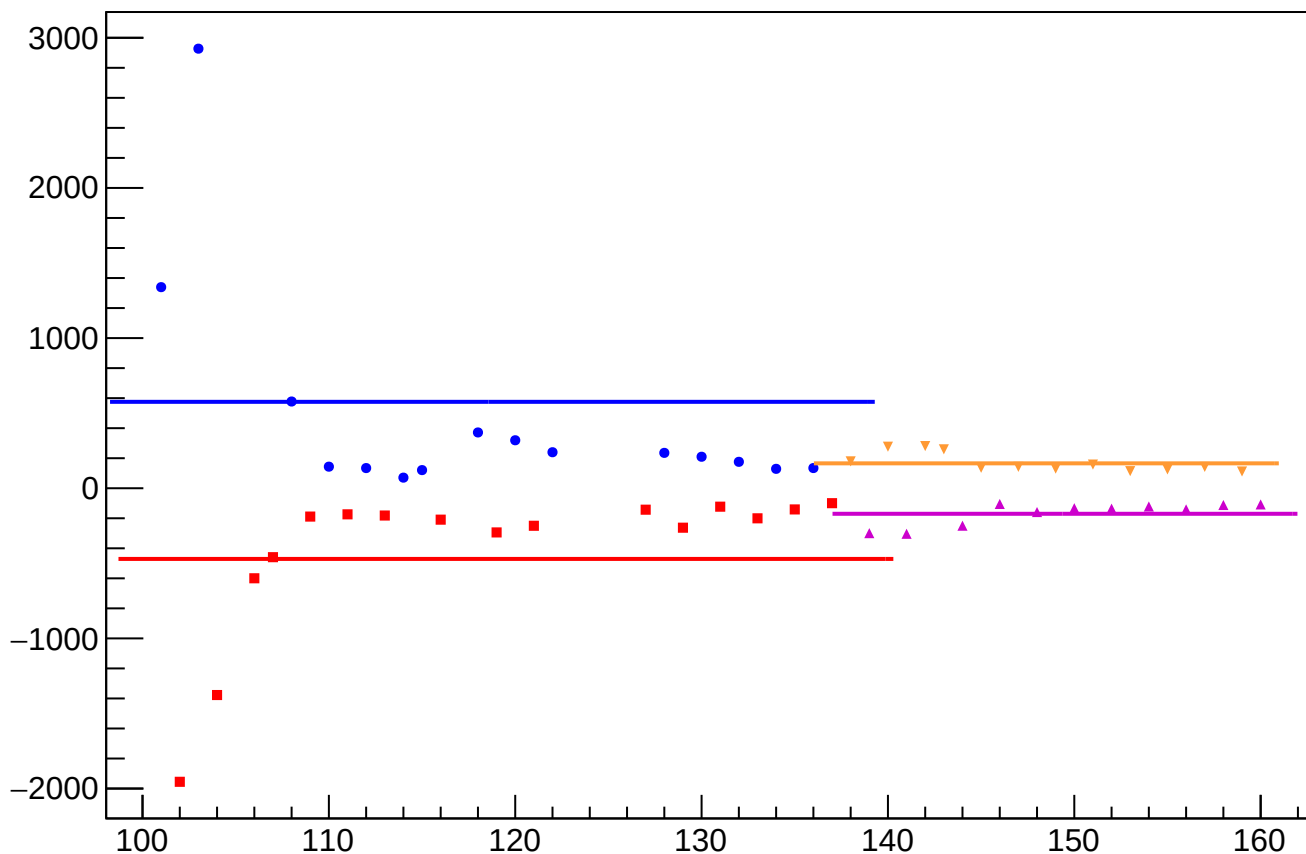
Right: -14.605+/-0.000 χ^2/NDF : 989448118075246

In: 438.045+/-0.000 χ^2/NDF : 16030569871638282

Out: -405.681+/-0.000 χ^2/NDF : 144296408406793

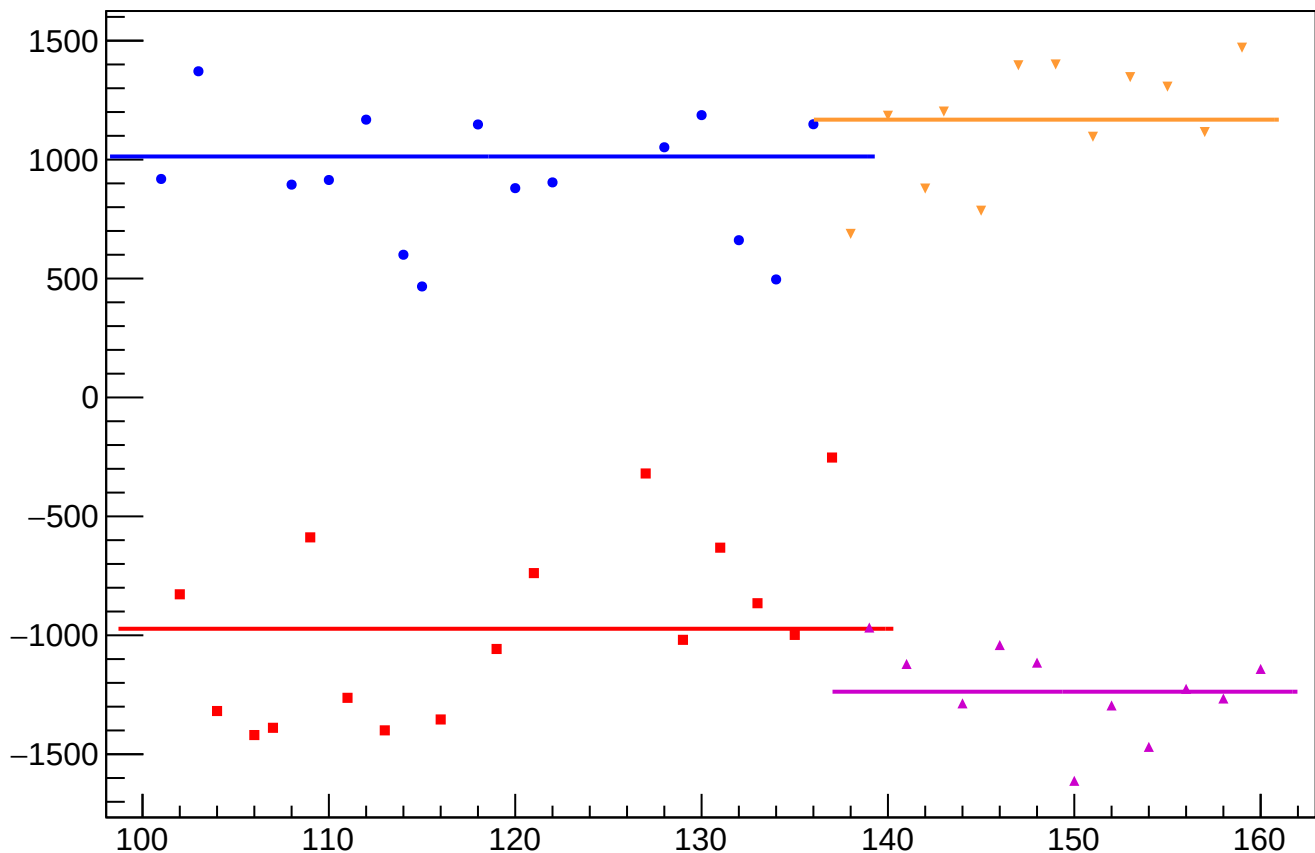
All: 14.712+/-0.000 χ^2/NDF : 3607859864595

dit_sam3_coil6_err_mean vs Slug, Sign Corrected



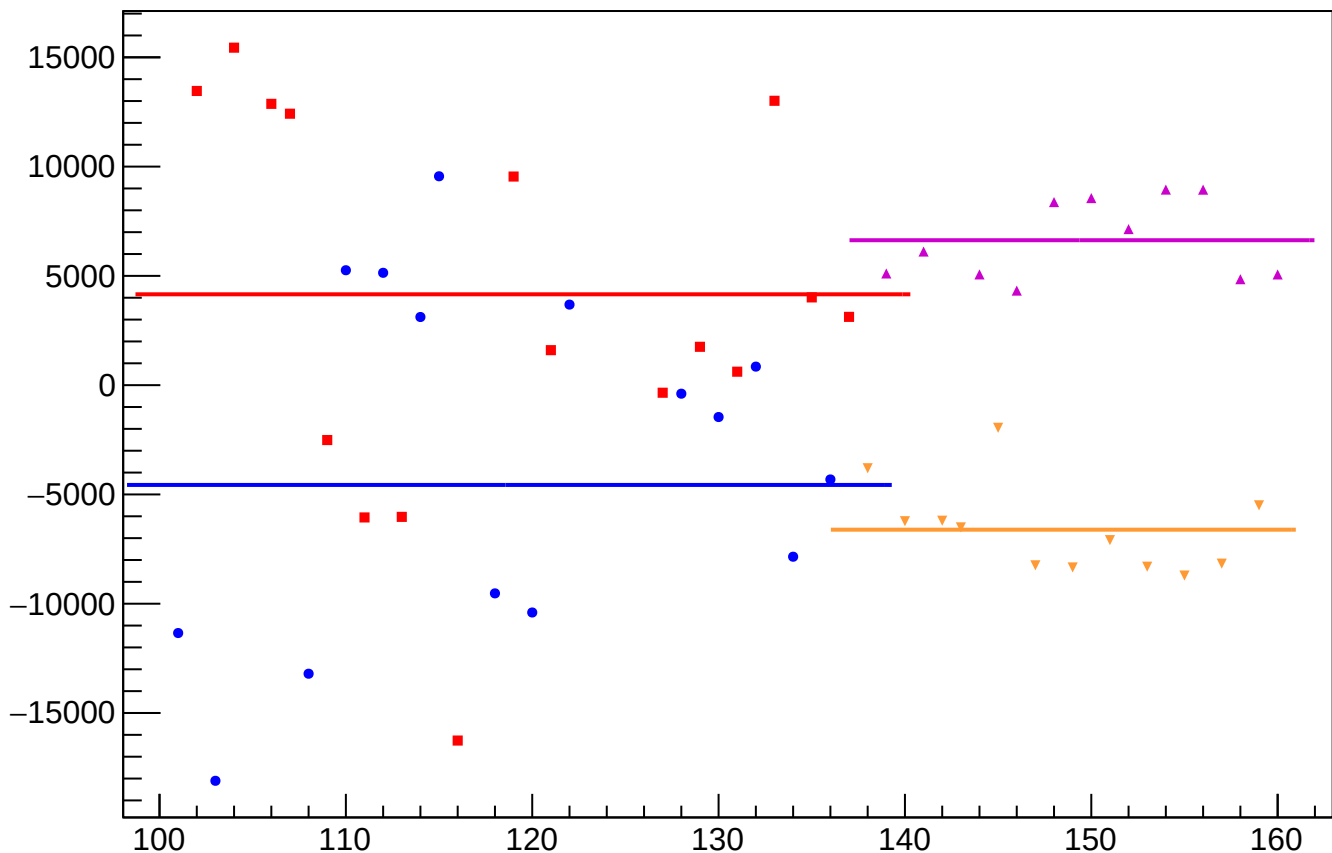
Right In: 575.526+/-0.000 χ^2/NDF : 432680039285849719493276471277131923456.0/14
 Left Out: 165.815+/-0.000 χ^2/NDF : 3077732362329556605426877868663635968.0/11
 Right Out: -470.716+/-0.000 χ^2/NDF : 209310604291868219806073768764512403456.0/15
 Left In: -170.082+/-0.000 χ^2/NDF : 4851165358478650186983079637734653952.0/10
 All: 17.246+/-0.000 χ^2/NDF : 1063680518716

dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam4_coil6_mean vs Slug, Sign Corrected



Right In: -4565.412+/-0.000

Left Out: -6612.752+/-0.000

Right Out: 4156.859+/-0.000

Left In: 6631.377+/-0.000

χ^2/NDF : 35667768247432289984899042725155487875072.0/14

χ^2/NDF : 3759909720266492863199038301551573598208.0/11

χ^2/NDF : 45539455441659927157708443099930682195968.0/15

χ^2/NDF : 2831140540306304869921468245145345327104.0/10

Left: 34.492+/-0.000 χ^2/NDF : 87320936788321205

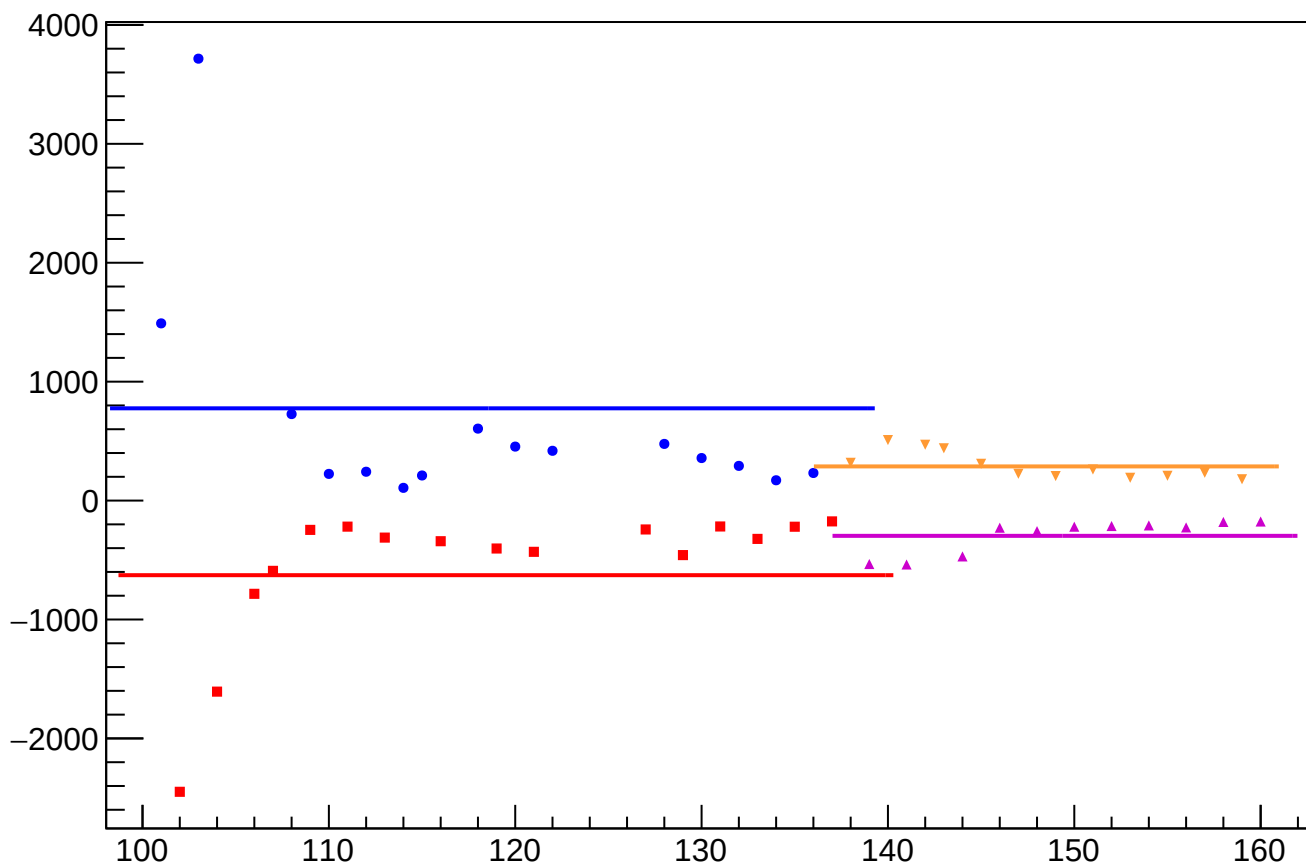
Right: -144.626+/-0.000 χ^2/NDF : 10623220696347

In: 2011.723+/-0.000 χ^2/NDF : 8629308418563650

Out: -2077.821+/-0.000 χ^2/NDF : 94085131574045

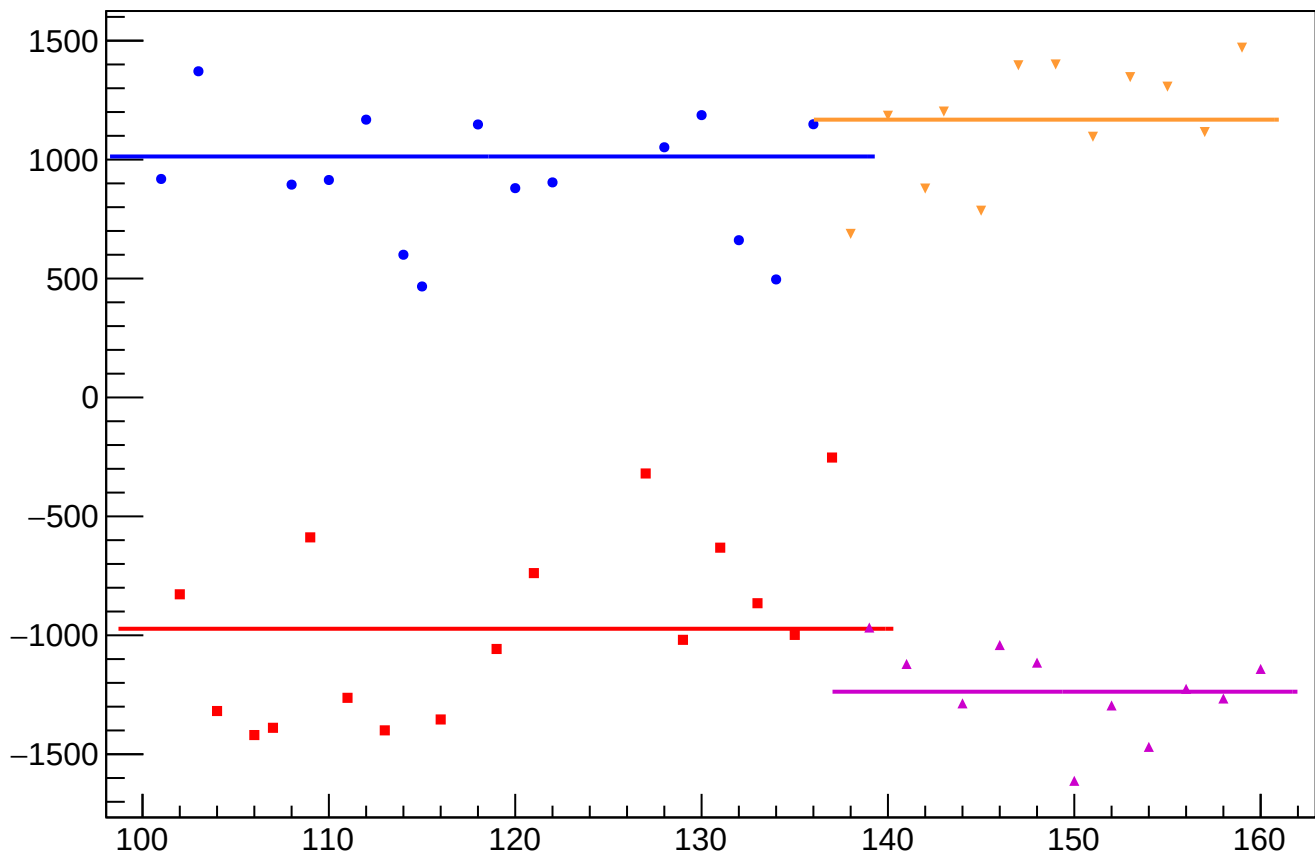
All: -40.174+/-0.000 χ^2/NDF : 193577765063

dit_sam4_coil6_err_mean vs Slug, Sign Corrected



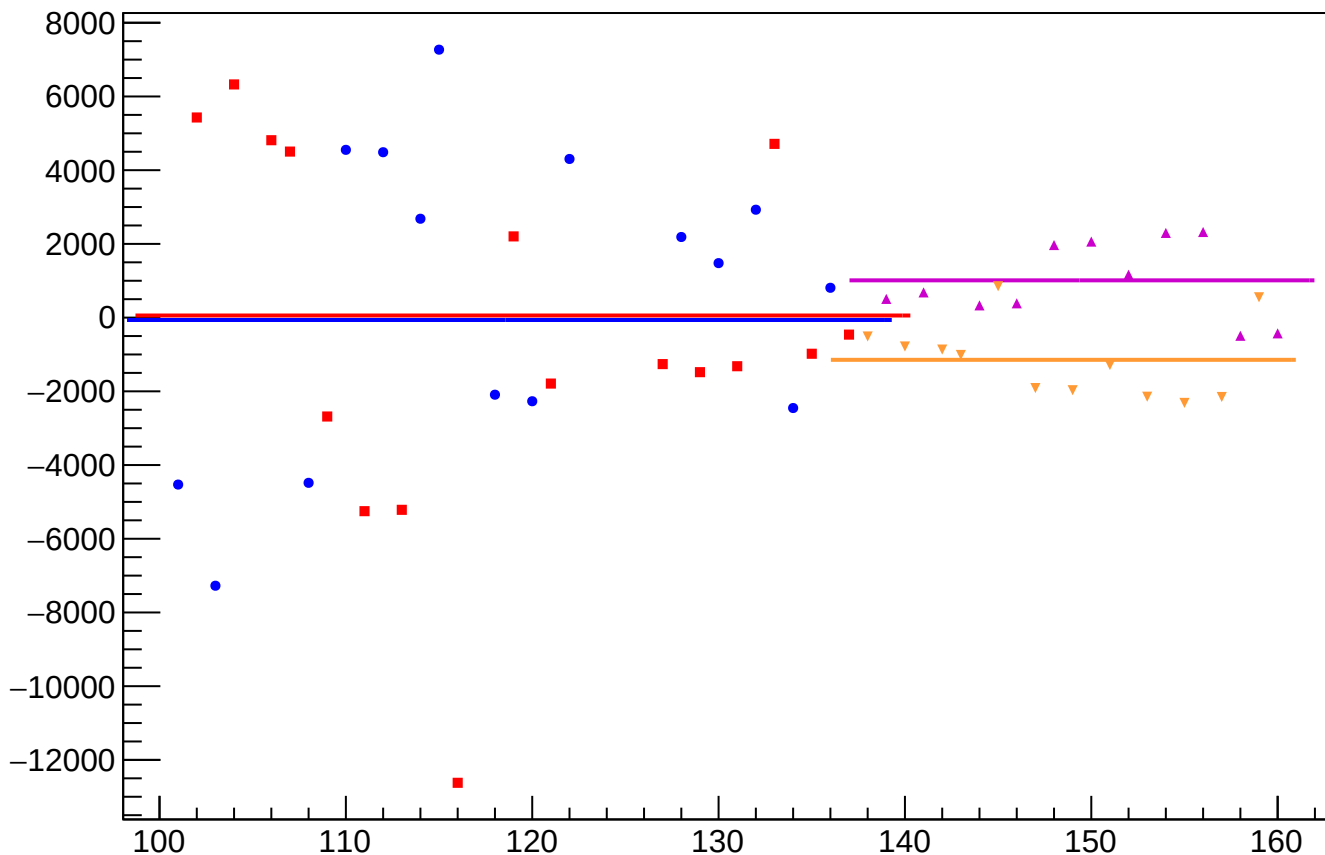
Left: -5.726 +/- 0.000 χ^2/NDF : 18447893607708416
 Right In: 775.824 +/- 0.000 χ^2/NDF : 641856726975740612716432458612629045248.0/14
 Right: 64.659 +/- 0.000 χ^2/NDF : 1586988053007642
 Left Out: 287.283 +/- 0.000 χ^2/NDF : 10557467074341773559479069744616701952.0/11
 In: 145.919 +/- 0.000 χ^2/NDF : 10972996636623860
 Right Out: -627.315 +/- 0.000 χ^2/NDF : 297517676171111924966086193860621369344.0/15
 Out: -97.841 +/- 0.000 χ^2/NDF : 6310731224648516
 Left In: -296.514 +/- 0.000 χ^2/NDF : 17061879022016484064295210228444561408.0/10
 All: 23.614 +/- 0.000 χ^2/NDF : 1775268796440

dit_sam4_coil6_Ndata_mean vs Slug, Sign Corrected



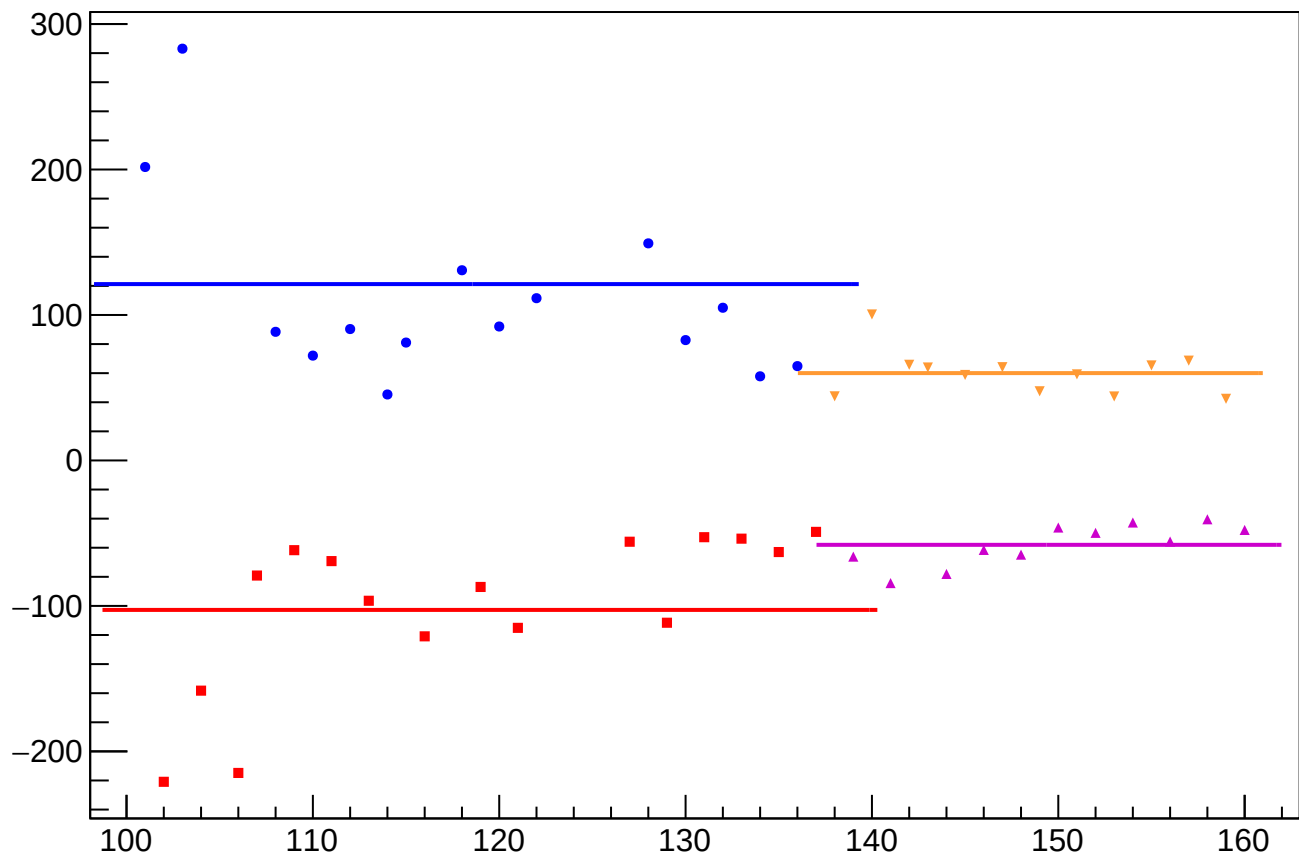
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam5_coil6_mean vs Slug, Sign Corrected



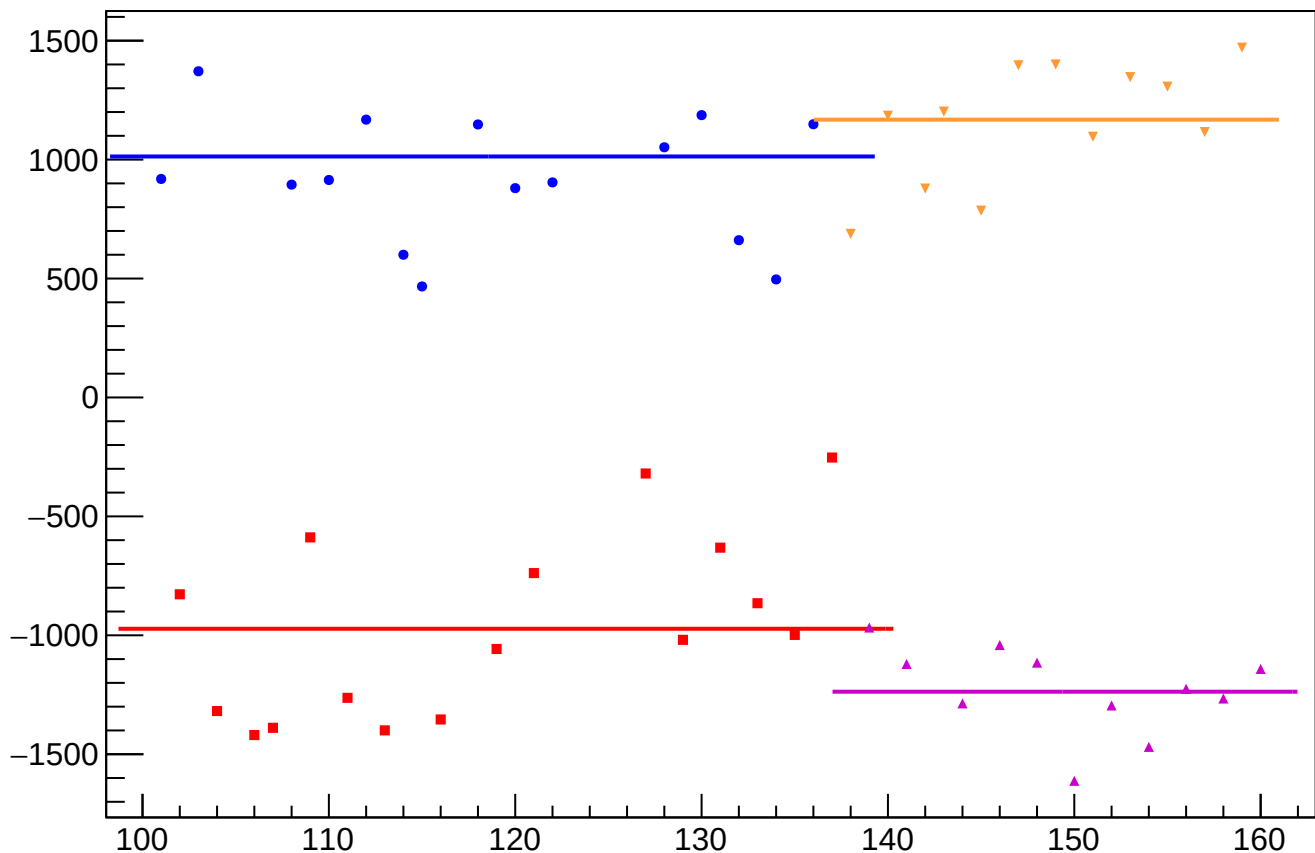
Right In: -64.751 ± 0.000 $\chi^2/\text{NDF}: 9614223448851814191683817349989558910976.0/14$
 Left Out: -1145.277 ± 0.000 $\chi^2/\text{NDF}: 979075596349520821974350897813840199680.0/11$
 Right Out: 57.229 ± 0.000 $\chi^2/\text{NDF}: 13780958977008702301942505454387177979904.0/15$
 Left In: 1011.284 ± 0.000 $\chi^2/\text{NDF}: 903909408421874171739001543159795679232.0/10$
 All: -37.898 ± 0.000 $\chi^2/\text{NDF}: 274263018049$

dit_sam5_coil6_err_mean vs Slug, Sign Corrected



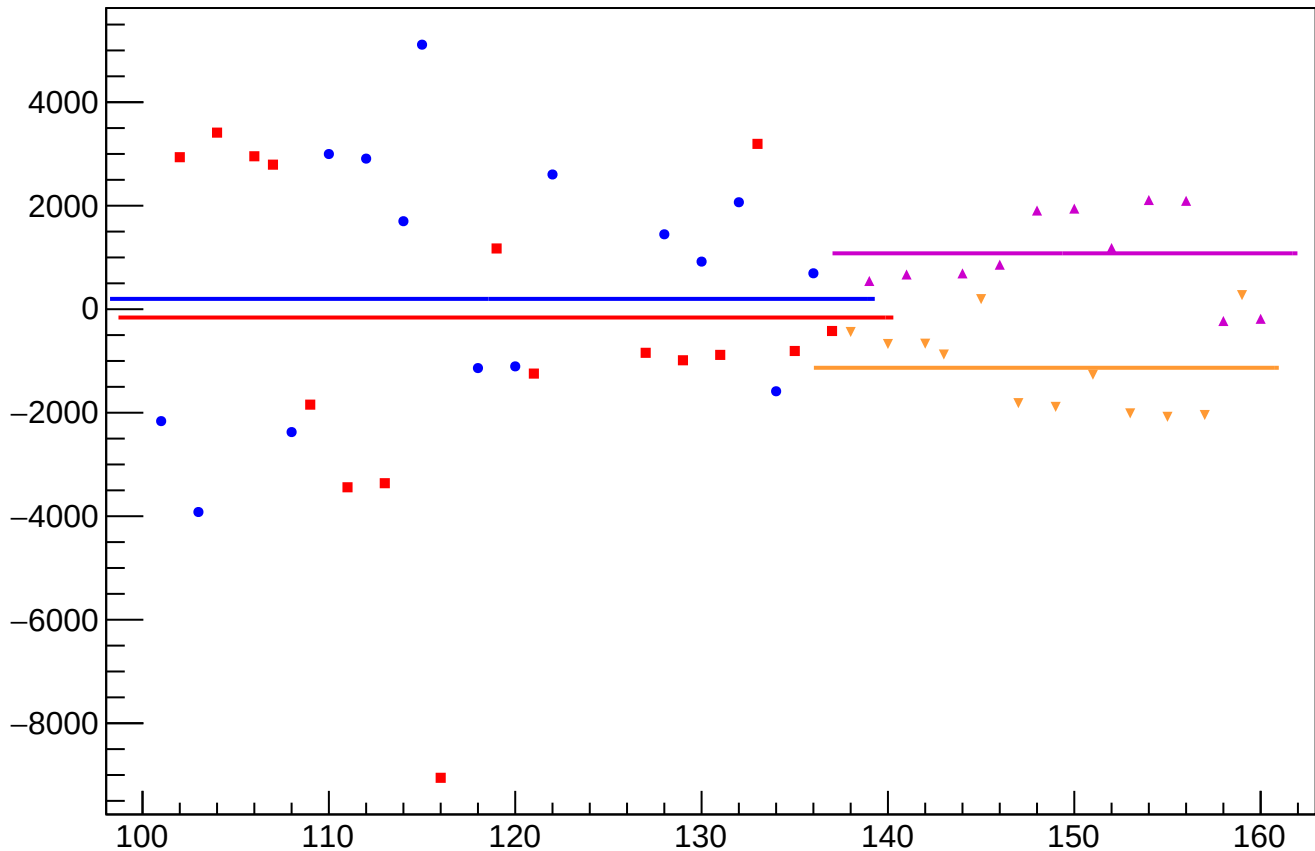
Right In: 121.228+/-0.000 χ^2/NDF : 2723170857684362574800637594861305856.0/14
 Left Out: 60.042+/-0.000 χ^2/NDF : 225194152627424805036116621962248192.0/11
 Right Out: -102.749+/-0.000 χ^2/NDF : 1967668024846010333654427670555918336.0/15
 Left In: -58.011+/-0.000 χ^2/NDF : 177427701786540438757655027214450688.0/10
 All: 3.674+/-0.000 χ^2/NDF : 2804570307464

dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam6_coil6_mean vs Slug, Sign Corrected



Right In: 199.503+/-0.000

χ^2/NDF : 3268159745923533825045181664876849790976.0/14

Left Out: -1131.740+/-0.000

χ^2/NDF : 658434610169859056709733978264796397568.0/11

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: -21.889+/-0.000 χ^2/NDF : 3523677908409777

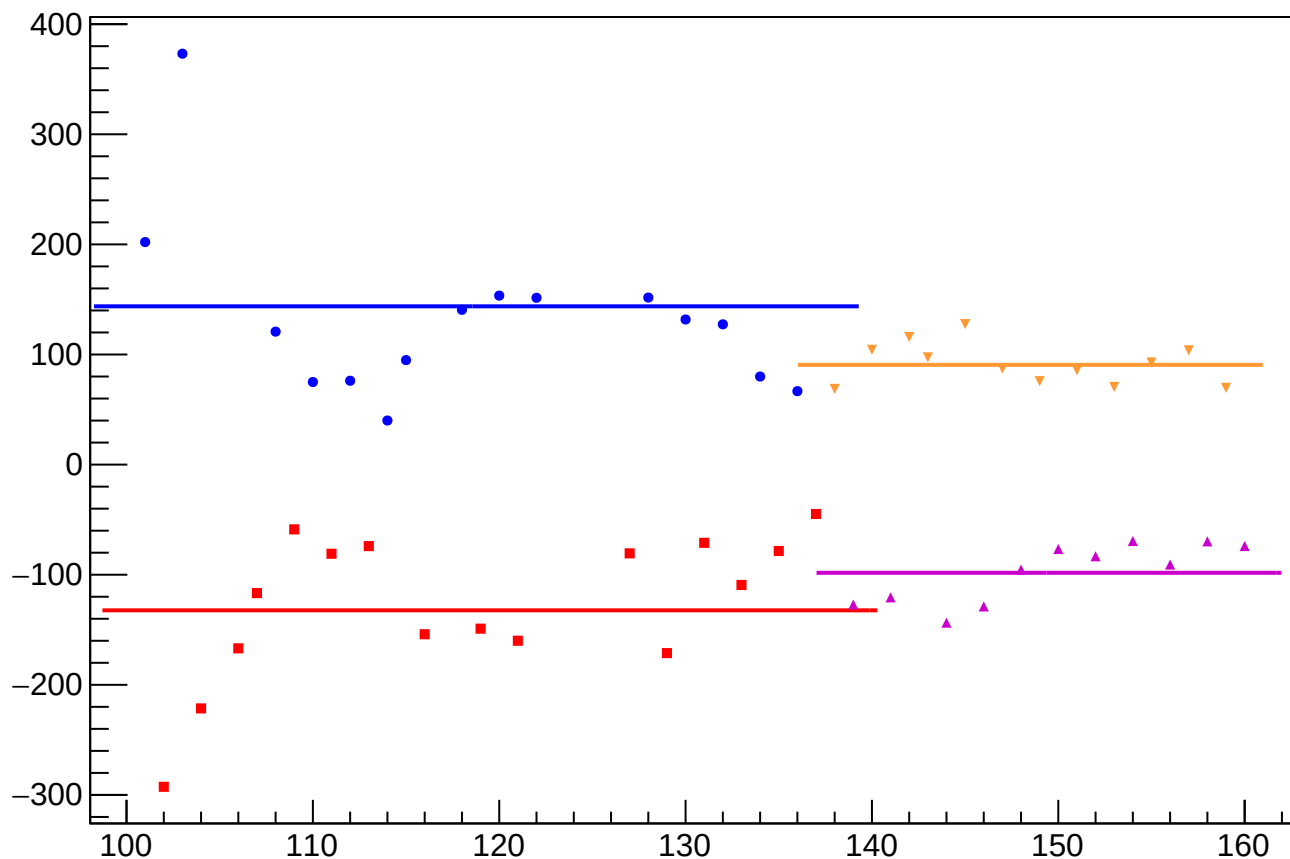
Right: 17.033+/-0.000 χ^2/NDF : 8991370549930185

In: 716.457+/-0.000 χ^2/NDF : 41781537377410598

Out: -722.770+/-0.000 χ^2/NDF : 670324669914514

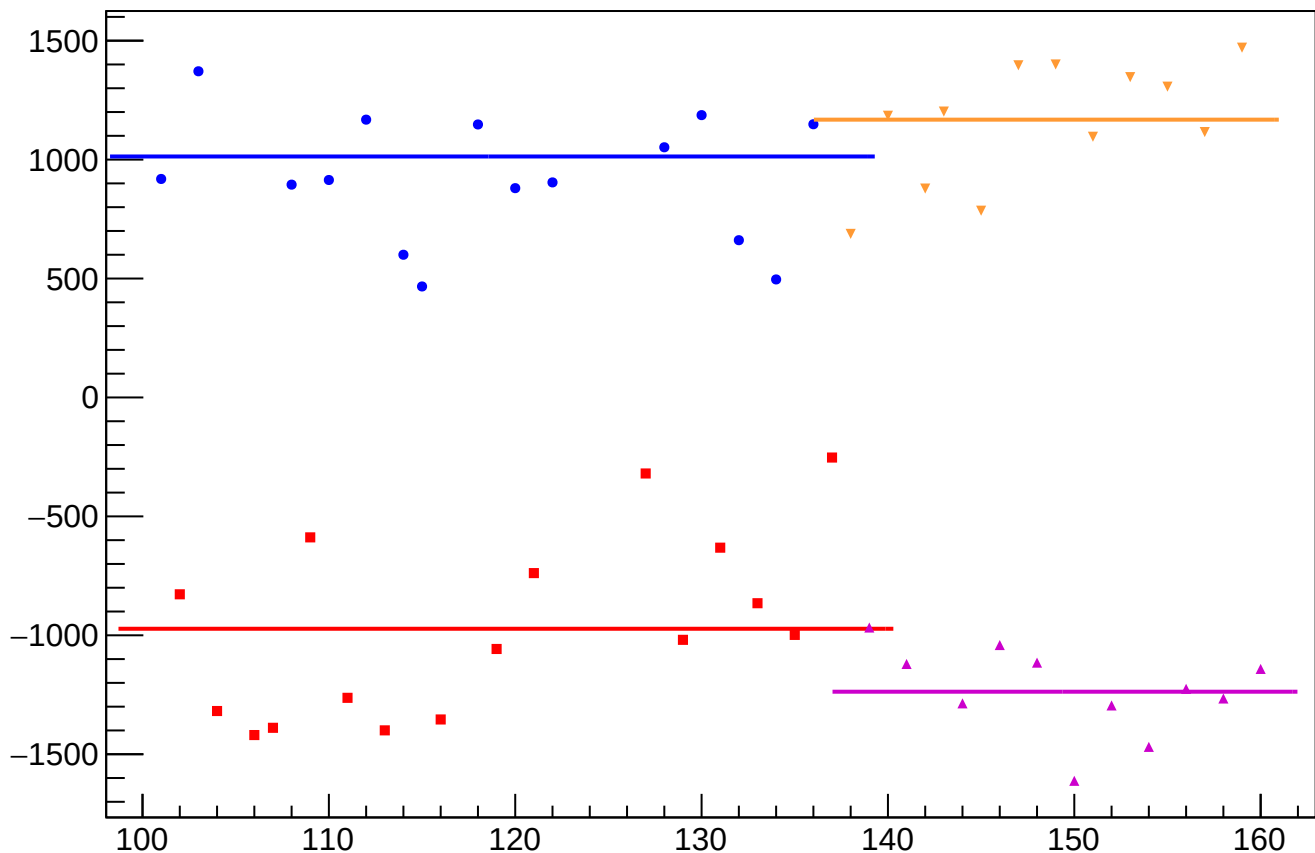
All: -5.664+/-0.000 χ^2/NDF : 1251621104913

dit_sam6_coil6_err_mean vs Slug, Sign Corrected



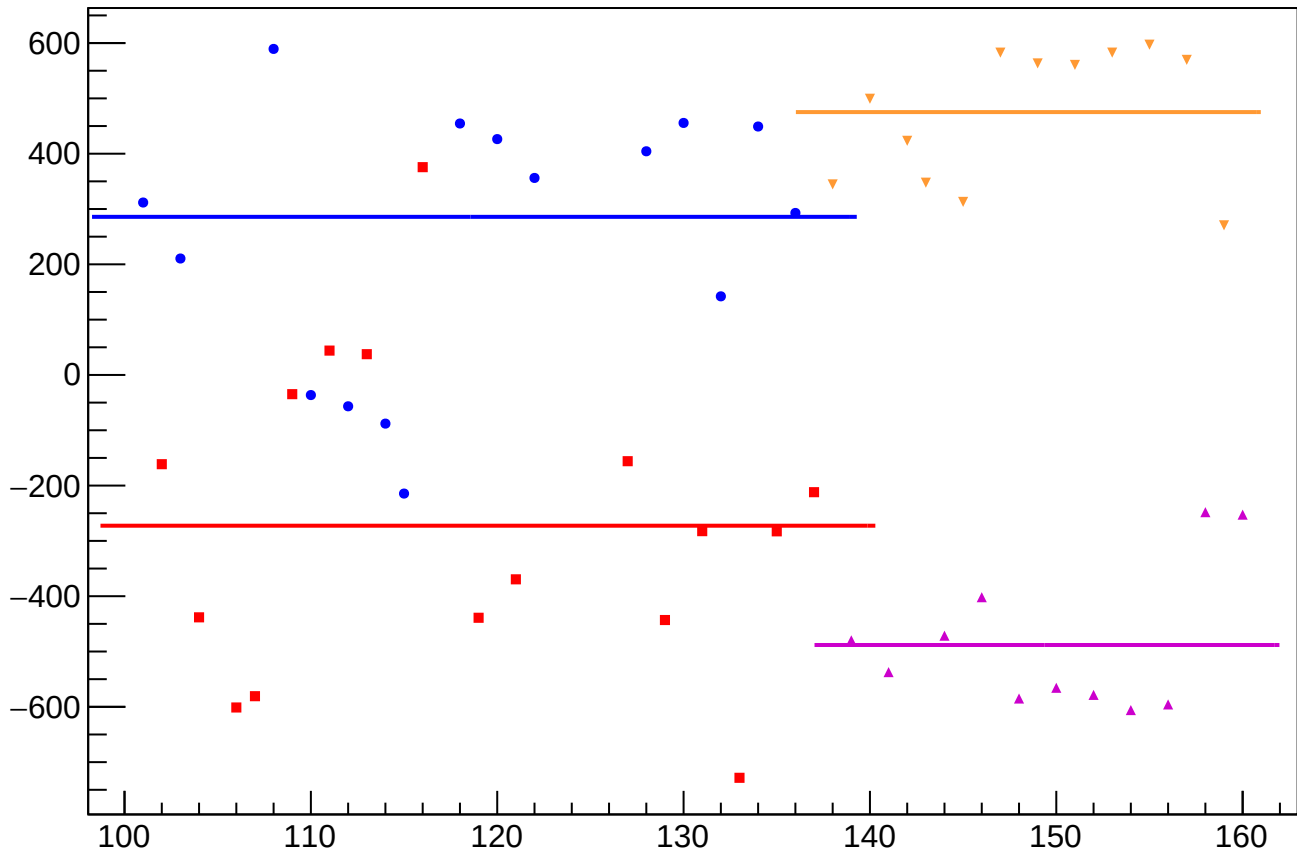
Left: -4.195+/-0.000 χ^2/NDF : 17333934091719658
 Right In: 143.764+/-0.000 χ^2/NDF : 4514785869565777849900508591821946880.0/14
 Right: 3.823+/-0.000 χ^2/NDF : 32765016379949297
 Left Out: 90.584+/-0.000 χ^2/NDF : 300208511037372941883923935499649024.0/11
 In: 1.598+/-0.000 χ^2/NDF : 2746595414560194970
 Right Out: -132.341+/-0.000 χ^2/NDF : 3174087908796245287682359914282352640.0/15
 Out: -3.286+/-0.000 χ^2/NDF : 22663513410864161
 Left In: -98.257+/-0.000 χ^2/NDF : 620993776773093393033369428470792192.0/10
 All: -0.853+/-0.000 χ^2/NDF : 5014829337749

dit_sam6_coil6_Ndata_mean vs Slug, Sign Corrected



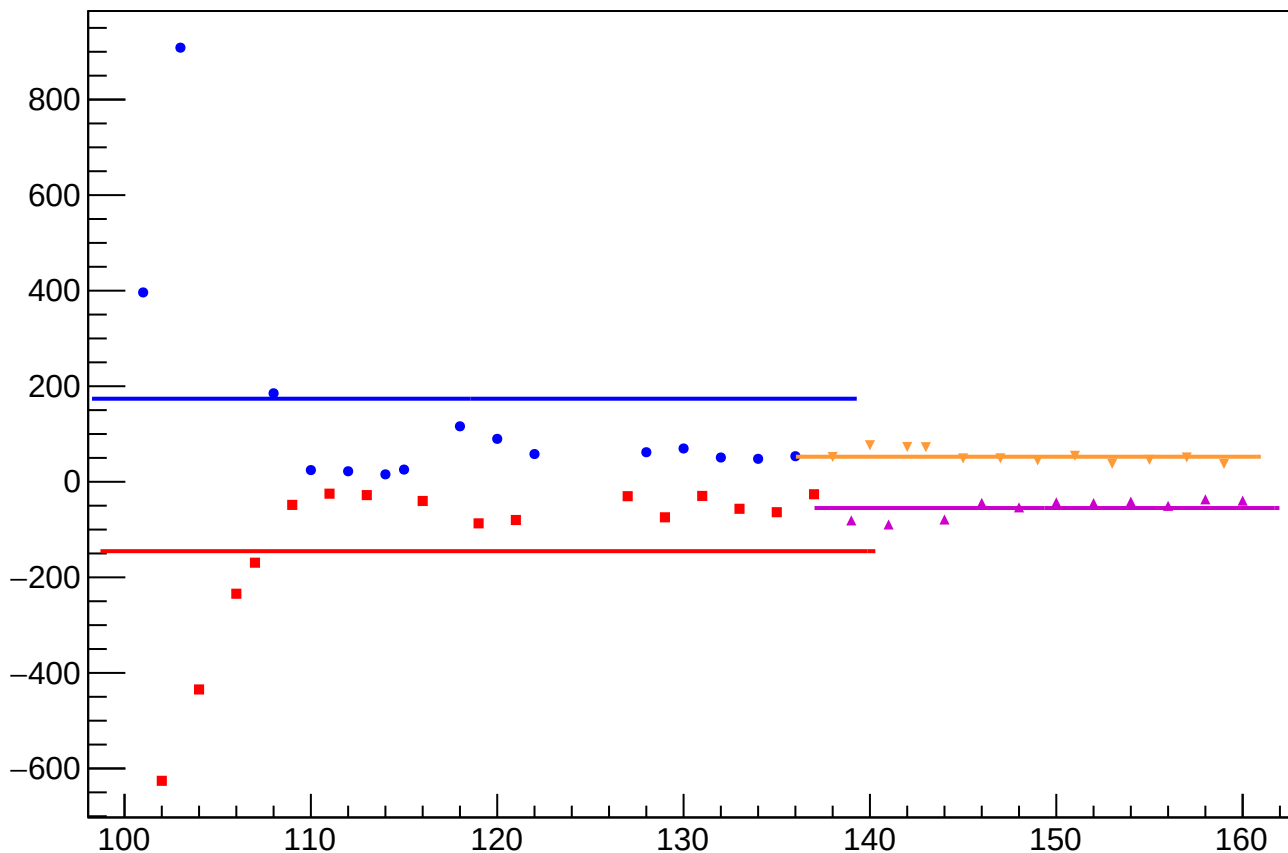
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam7_coil6_mean vs Slug, Sign Corrected



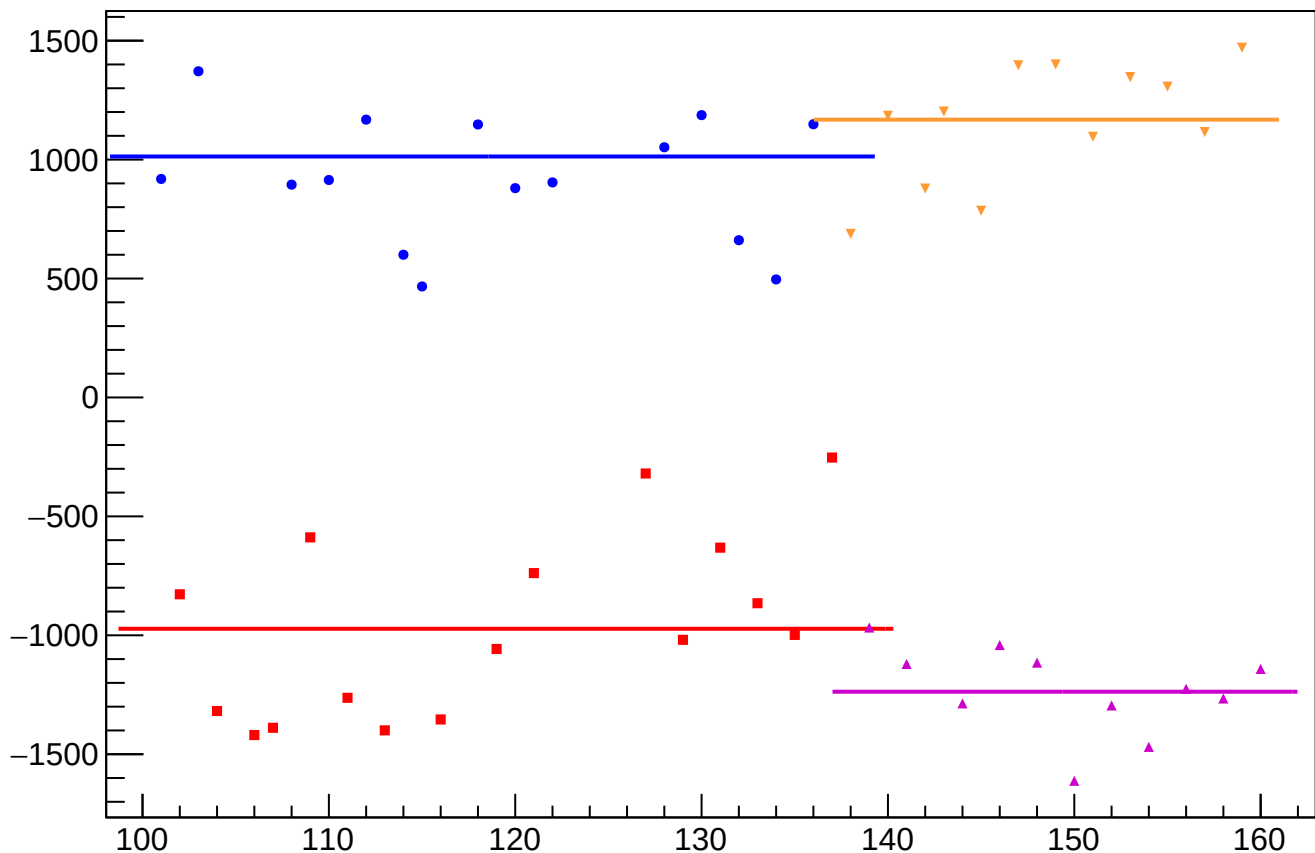
Left: -8.316+/-0.000 χ^2/NDF : 45410418024076154
 Right: 2.840+/-0.000 χ^2/NDF : 17082276741945895
 Right In: 285.856+/-0.000 χ^2/NDF : 24108244802355530064663311301086281728.0/14
 Left Out: 475.235+/-0.000 χ^2/NDF : 13070818687465126874075480521523068928.0/11
 Right Out: -272.539+/-0.000 χ^2/NDF : 44149952665075593650338713333575712768.0/15
 Left In: -488.203+/-0.000 χ^2/NDF : 13828831980358883653289432391973076992.0/10
 All: -3.665+/-0.000 χ^2/NDF : 6250224533135

dit_sam7_coil6_err_mean vs Slug, Sign Corrected



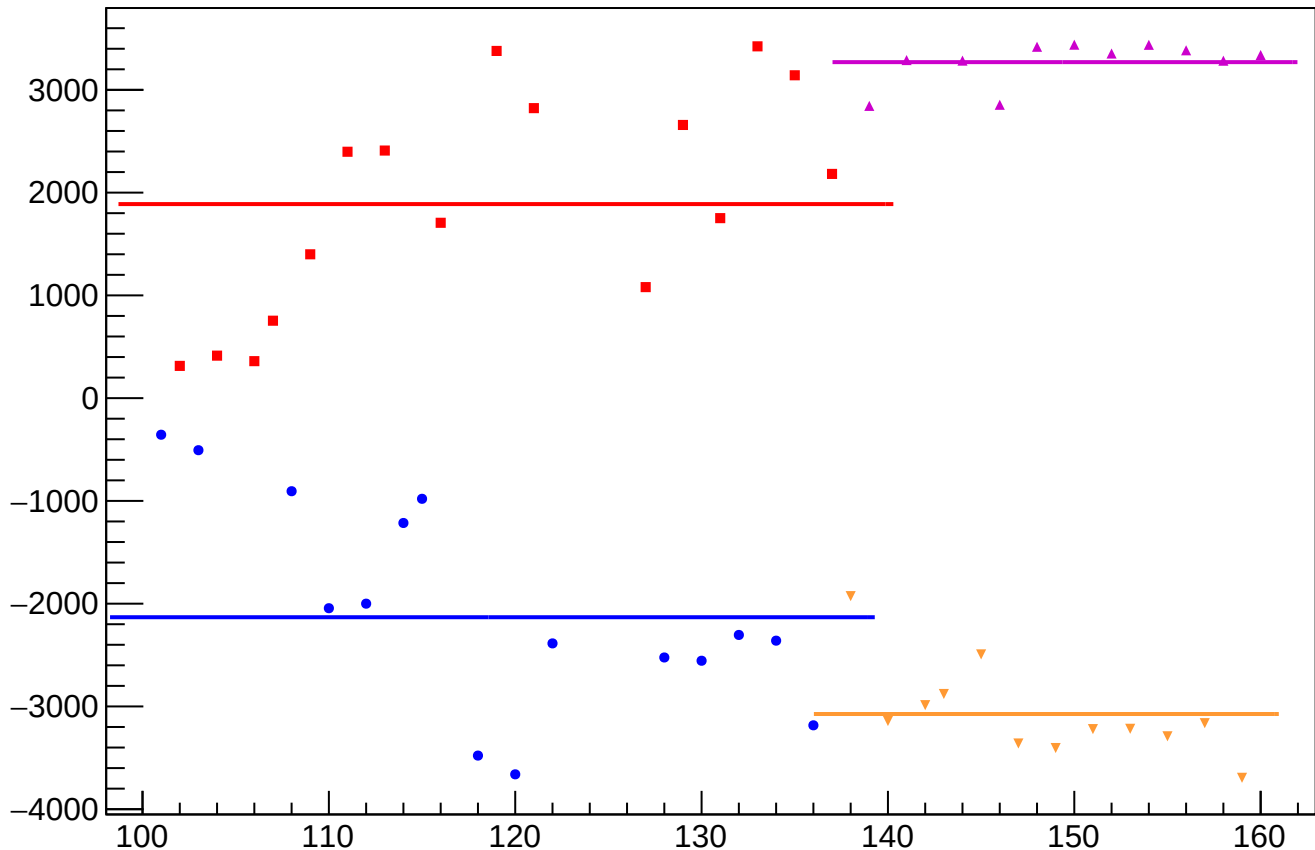
Left: -1.408 +/- 0.000 χ^2/NDF : 57476296462672576
 Right: 12.139 +/- 0.000 χ^2/NDF : 9772897307710637
 Right In: 173.871 +/- 0.000 χ^2/NDF : 41705473404466232613073704554990665728.0/14
 Left Out: 52.484 +/- 0.000 χ^2/NDF : 140982522312355375266483802671677440.0/11
 In: 39.493 +/- 0.000 χ^2/NDF : 619564021613478724
 Right Out: -145.228 +/- 0.000 χ^2/NDF : 22529615719408594720785265744437837824.0/15
 Out: -30.770 +/- 0.000 χ^2/NDF : 3776461617850606
 Left In: -54.891 +/- 0.000 χ^2/NDF : 300358274506113612486338175884591104.0/10
 All: 4.239 +/- 0.000 χ^2/NDF : 10361743974662

dit_sam7_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam8_coil6_mean vs Slug, Sign Corrected



Right In: -2131.905+/-0.000

Left Out: -3073.640+/-0.000

Right Out: 1888.448+/-0.000

Left In: 3269.755+/-0.000

χ^2/NDF : 722433384570495071131450661983670501376.0/14

χ^2/NDF : 187385582436852783779369611000994070528.0/11

χ^2/NDF : 791986665551980691032719862611769819136.0/15

χ^2/NDF : 38098096180391062431092176239781216256.0/10

Left: 110.117+/-0.000 χ^2/NDF : 1874506217921654

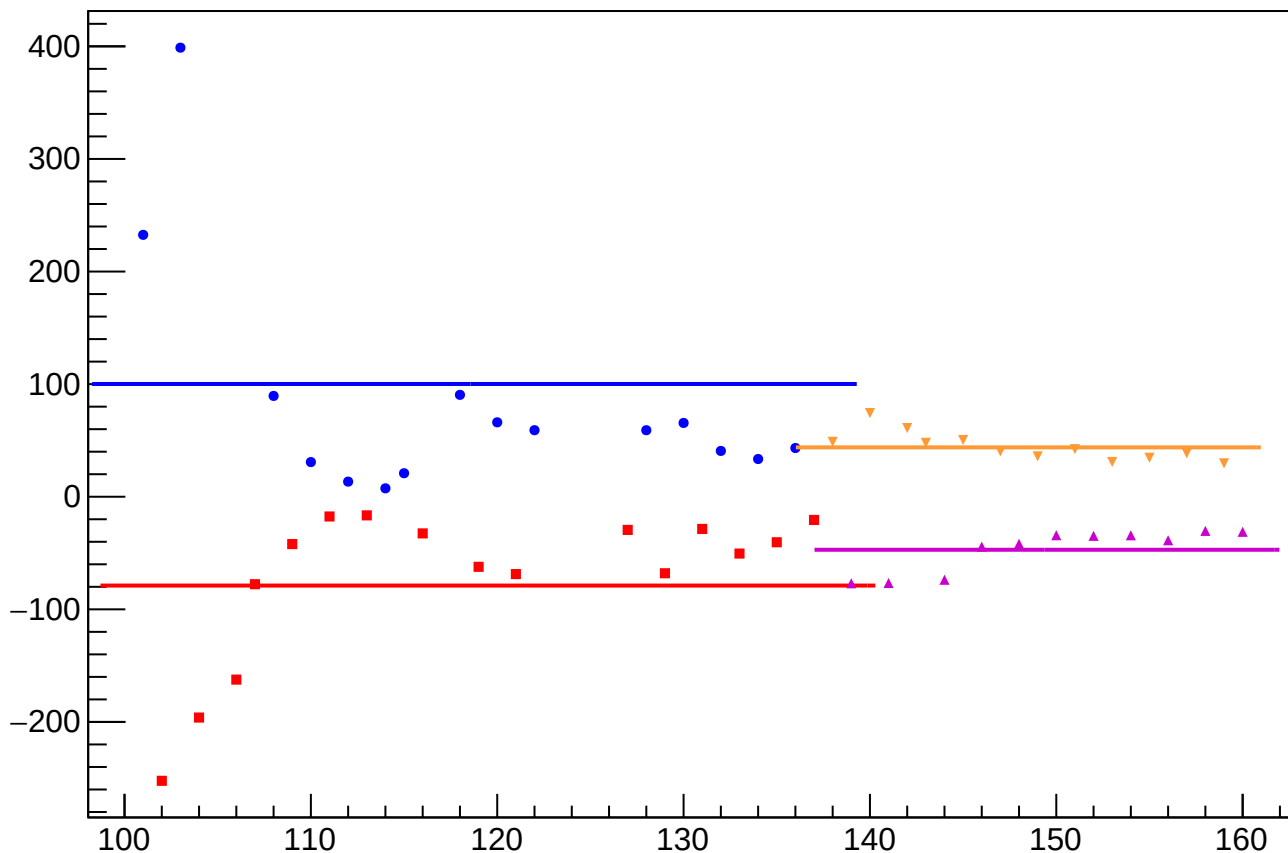
Right: -94.234+/-0.000 χ^2/NDF : 683113062504059

In: 1041.098+/-0.000 χ^2/NDF : 1188405782367471

Out: -984.175+/-0.000 χ^2/NDF : 104869294967123

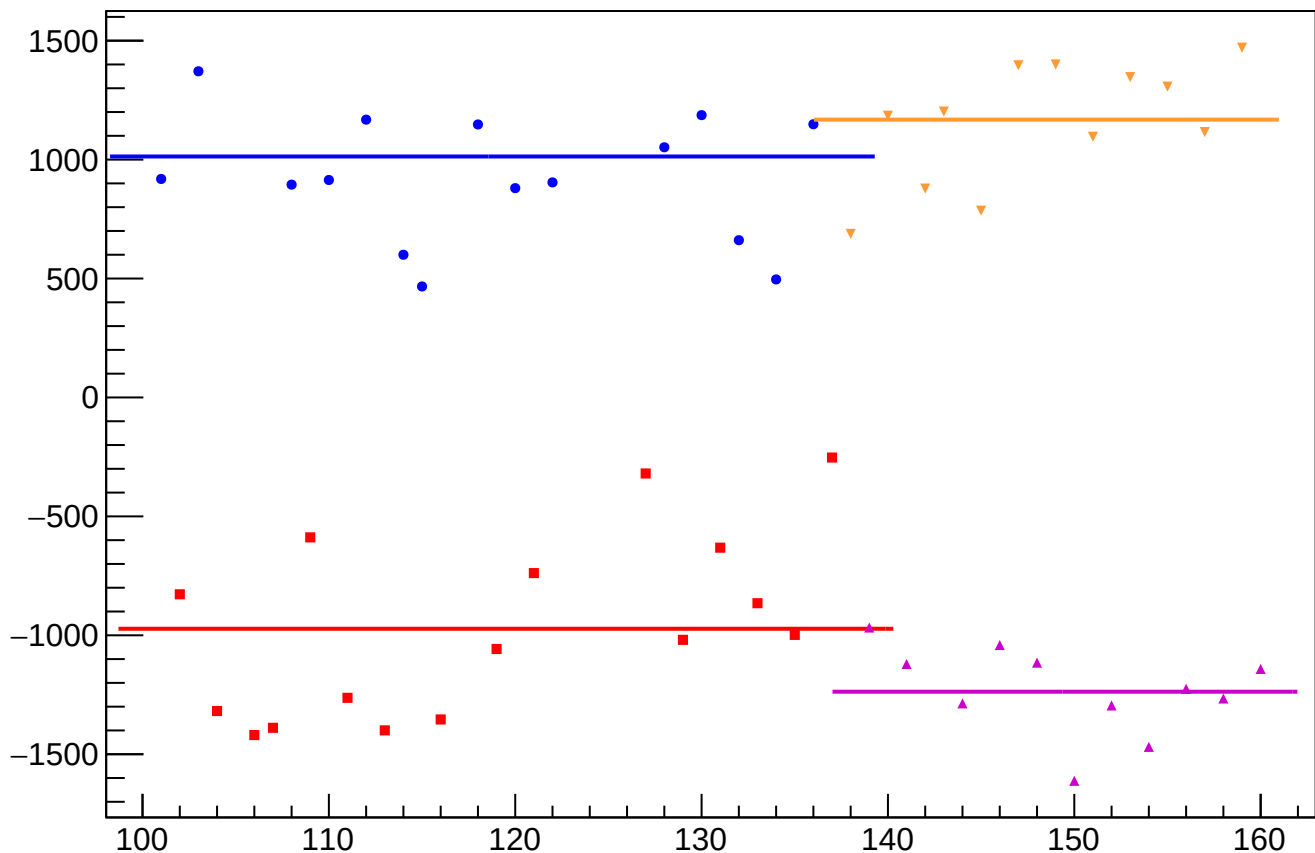
All: 24.933+/-0.000 χ^2/NDF : 2560823987852

dit_sam8_coil6_err_mean vs Slug, Sign Corrected



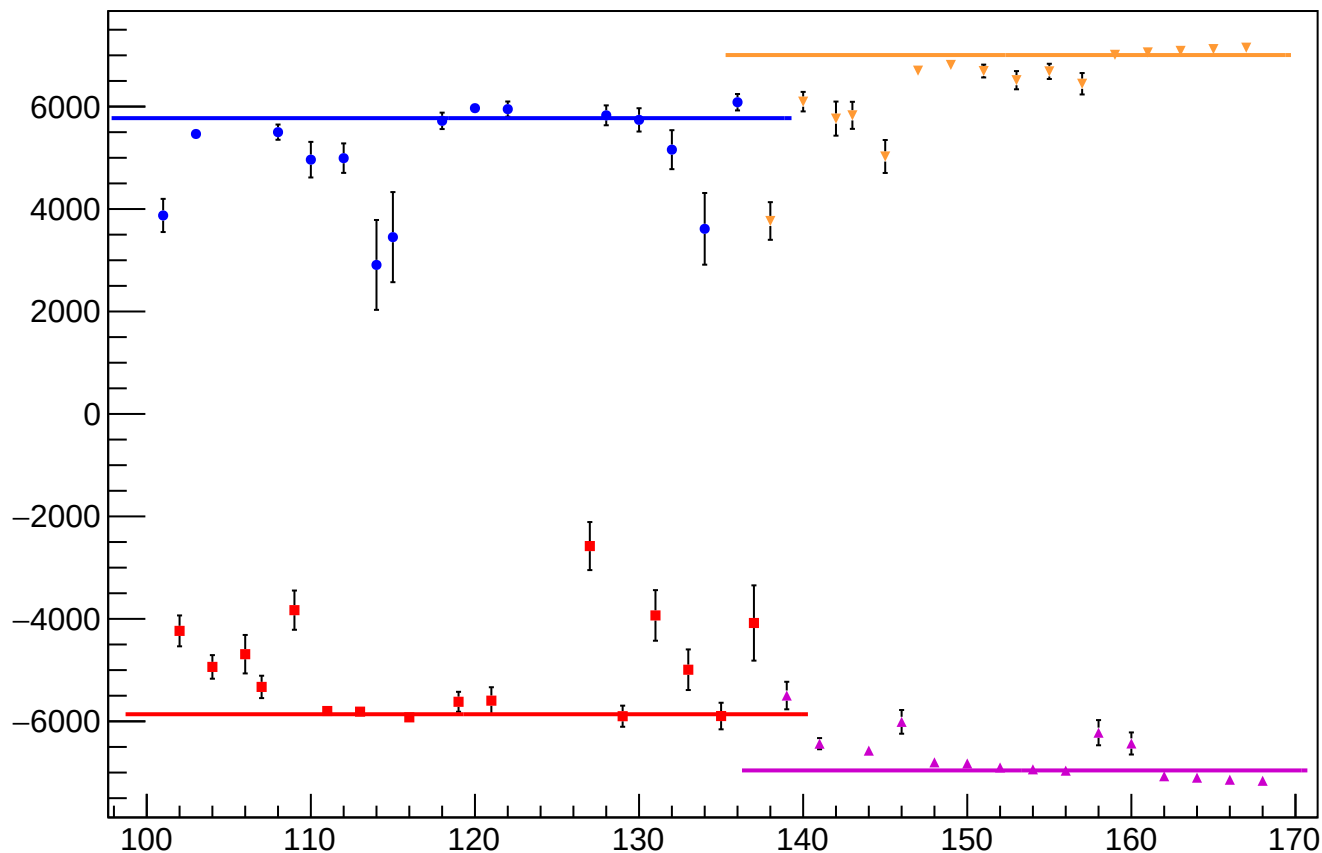
Right In: 100.135+/-0.000	χ^2/NDF : 7813910768784473081480373577053110272.0/14	Left: -1.794+/-0.000	χ^2/NDF : 42509437627590264
Left Out: 43.850+/-0.000	χ^2/NDF : 141916966921802590982612264966684672.0/11	Right: 9.403+/-0.000	χ^2/NDF : 21880477100402541
Right Out: -78.881+/-0.000	χ^2/NDF : 3525129078433901202304301512966275072.0/15	In: 13.652+/-0.000	χ^2/NDF : 16380012936248555
Left In: -47.092+/-0.000	χ^2/NDF : 302550156086866534805447117402800128.0/10	Out: -7.830+/-0.000	χ^2/NDF : 94834018349760268
	All: 2.873+/-0.000	χ^2/NDF : 26227631084667	

dit_sam8_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146 $\pm$ 0.000 χ^2 /NDF: 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974 $\pm$ 0.000 χ^2 /NDF: 54610138783870430946405205692756525056.0/11
 Right Out: -972.465 $\pm$ 0.000 χ^2 /NDF: 78884457200782655962756069915468234752.0/15
 Left In: -1237.150 $\pm$ 0.000 χ^2 /NDF: 30323445843993737164691986740223672320.0/10
 All: -20.018 $\pm$ 0.000 χ^2 /NDF: 415638151623

dit_run_mean vs Slug, Sign Corrected



Right In: 5774.117 ± 0.181 $\chi^2/\text{NDF}: 1828526.5/14$

Left Out: 7005.636 ± 0.172 $\chi^2/\text{NDF}: 640955.1/15$

Right Out: -5861.461 ± 0.140 $\chi^2/\text{NDF}: 180020.4/15$

Left In: -6958.335 ± 0.140 $\chi^2/\text{NDF}: 813898.2/14$

Left: -1418.530 ± 0.109 $\chi^2/\text{NDF}: 3959271060.0/30$

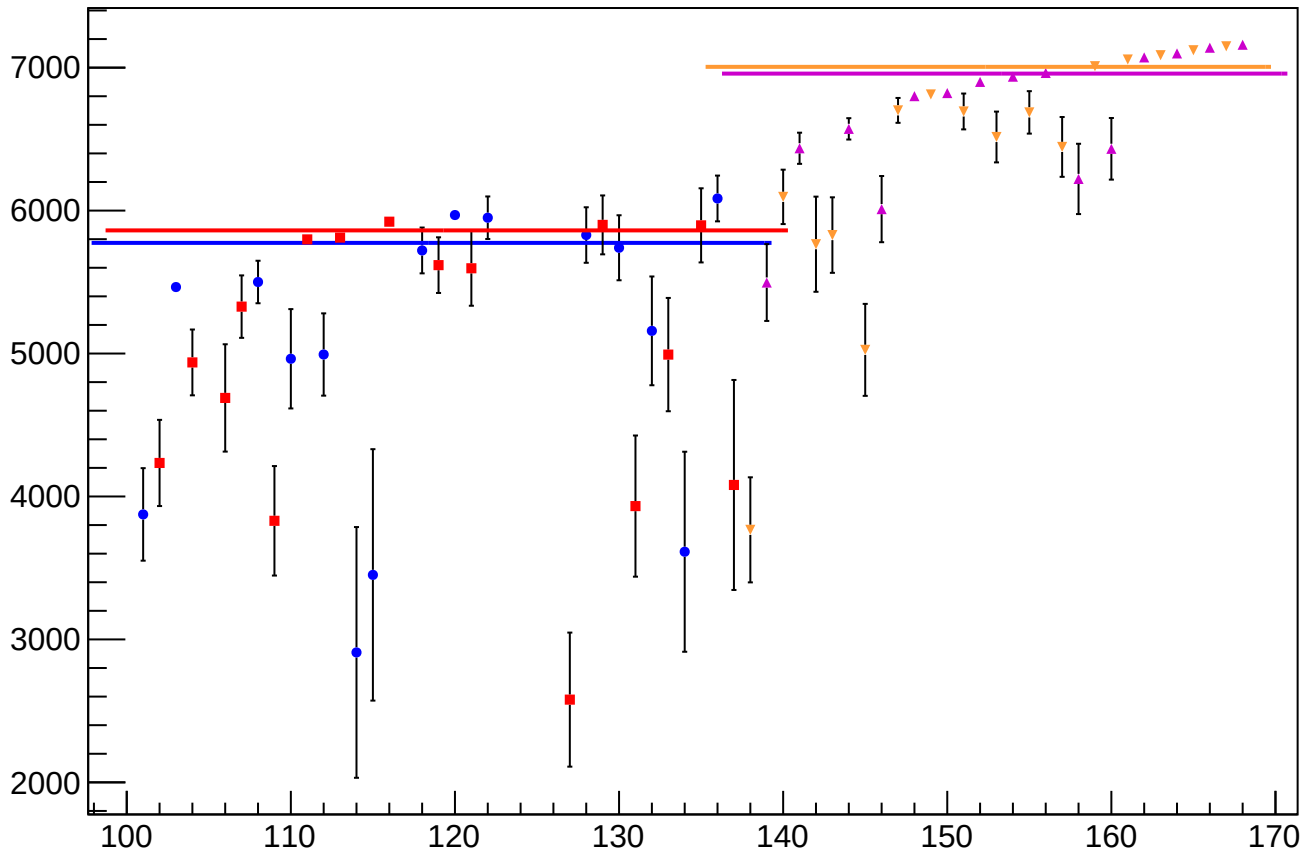
Right: -1536.191 ± 0.111 $\chi^2/\text{NDF}: 2585354230.9/30$

In: -2215.537 ± 0.111 $\chi^2/\text{NDF}: 3092218531.0/29$

Out: -766.940 ± 0.108 $\chi^2/\text{NDF}: 3365667867.0/31$

All: -1476.264 ± 0.077 $\chi^2/\text{NDF}: 6545201384$

dit_run_rms vs Slug, Sign Corrected



Right In: 5774.117 $\pm$ 0.181 χ^2 /NDF: 1828526.5/14

Left Out: 7005.636 $\pm$ 0.172 χ^2 /NDF: 640955.1/15

Right Out: 5861.461 $\pm$ 0.140 χ^2 /NDF: 180020.4/15

Left In: 6958.335 $\pm$ 0.140 χ^2 /NDF: 813898.2/14

Left: 6977.101 $\pm$ 0.109 χ^2 /NDF: 1500266.2/30

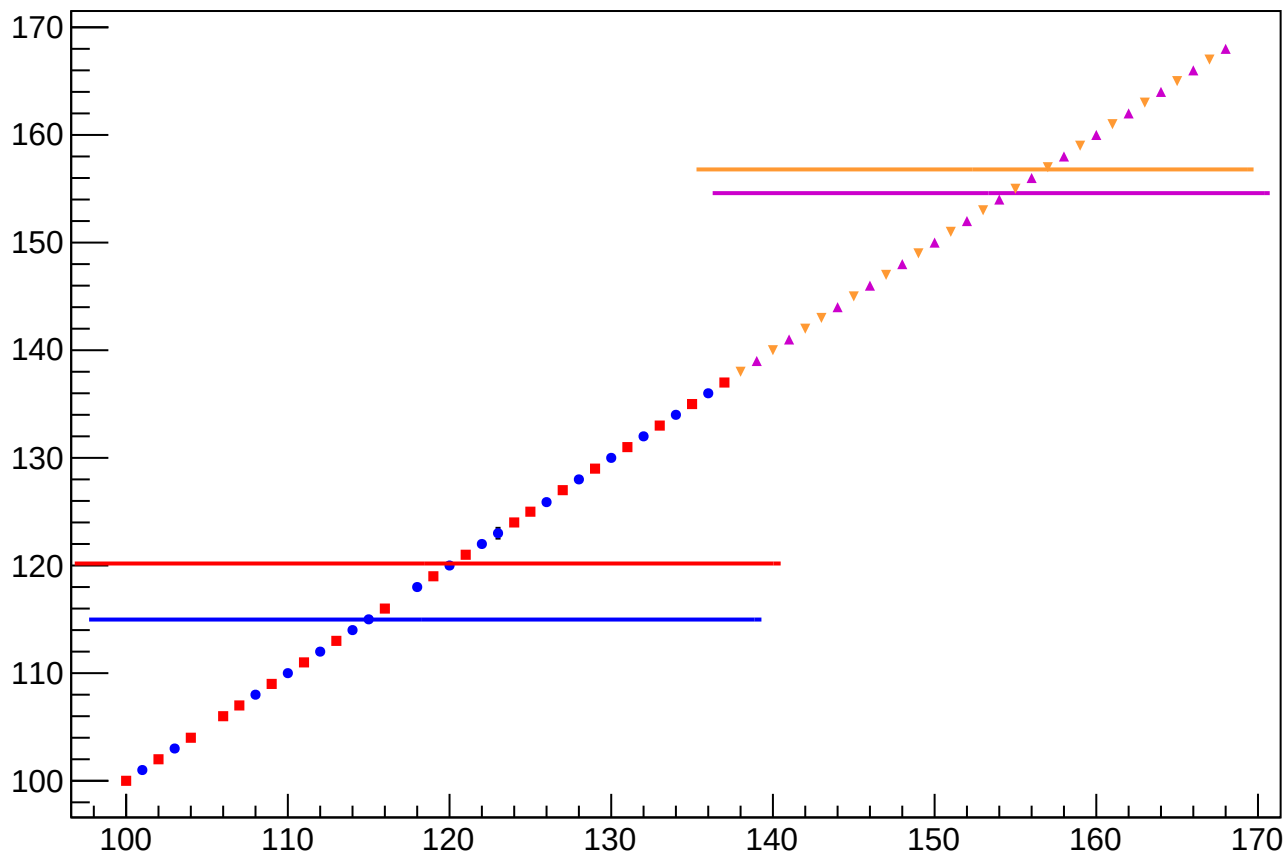
Right: 5828.993 $\pm$ 0.111 χ^2 /NDF: 2154118.4/30

In: 6517.218 $\pm$ 0.111 χ^2 /NDF: 29368708.2/29

Out: 6314.479 $\pm$ 0.108 χ^2 /NDF: 27427570.8/31

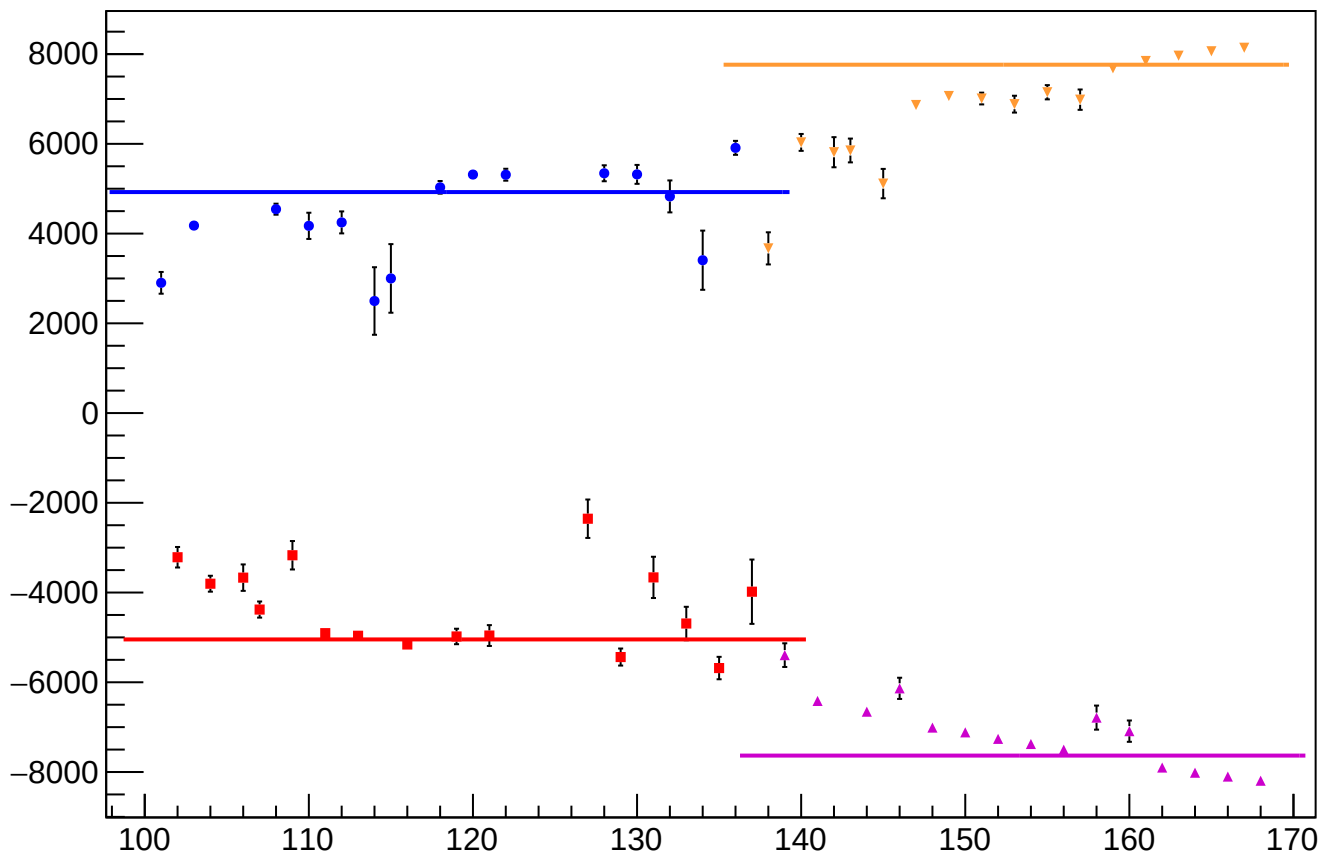
All: 6413.752 $\pm$ 0.077 χ^2 /NDF: 58506558.0/6

dit_slug_slope vs Slug, Sign Corrected



Right In: 114.980+/-0.000 χ^2/NDF : 112344936246012934714934440230912.0/16
 Left Out: 156.796+/-0.000 χ^2/NDF : 59632946739739963563318678913024.0/15
 Right Out: 120.186+/-0.000 χ^2/NDF : 52233253644261695528198041763840.0/18
 Left In: 154.594+/-0.000 χ^2/NDF : 32593298913636077691501700710400.0/14
 All: 131.945+/-0.000 χ^2/NDF : 169946177967

dit_cyclenum_mean vs Slug, Sign Corrected



Right In: 4925.305+/-0.939 χ^2/NDF : 330994.6/14

Left Out: 7763.885+/-0.671 χ^2/NDF :336711.2/15

Right Out: -5045.221+/-0.668 χ^2/NDF : 30179.9/15

Left In: -7634.016+/-0.554 χ^2/NDF :595035.7/14

Left: -1384.808+/-0.427 χ^2/NDF : 313976403.5/30

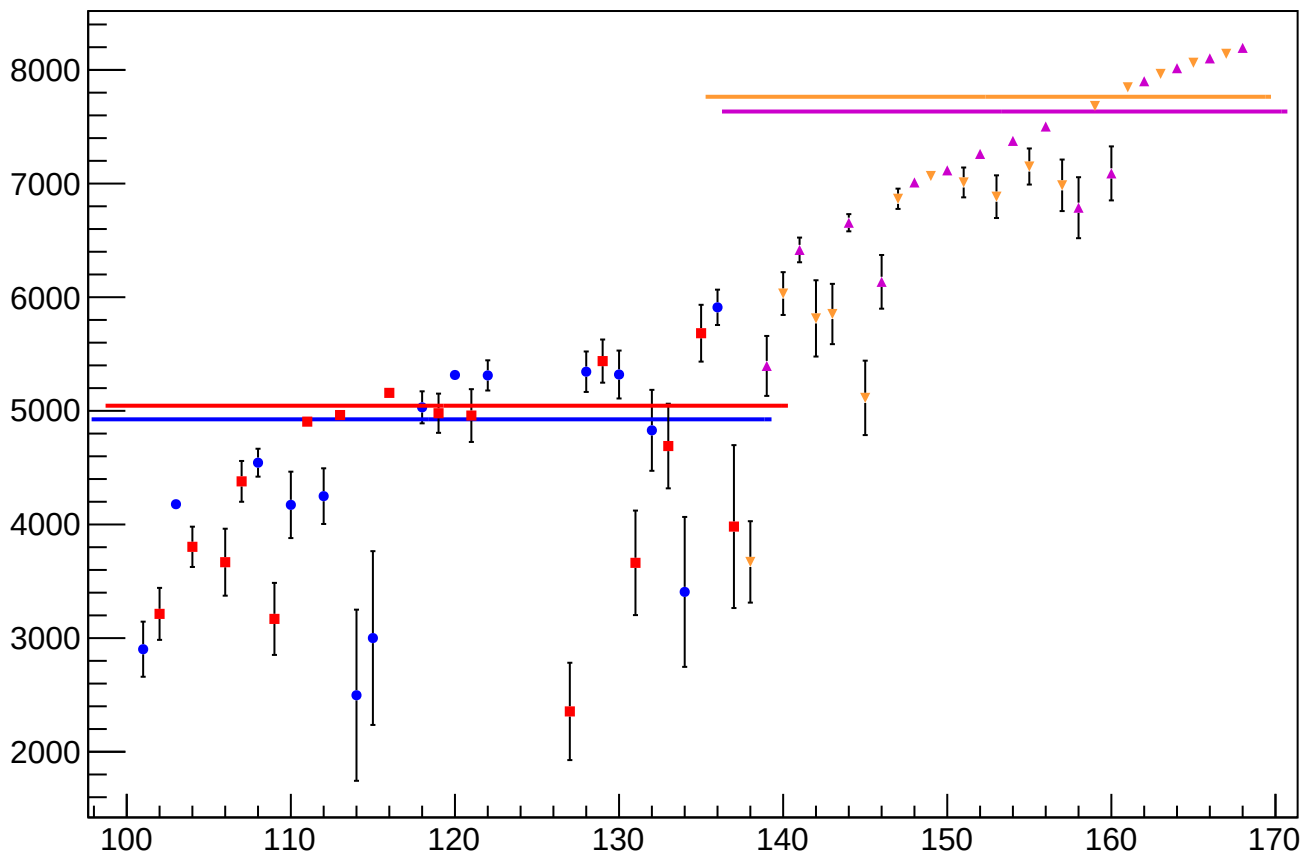
Right: -1694.510+/-0.544 χ^2/NDF : 75266282.5/30

In: -4385.889+/-0.477 χ^2/NDF :133640725.3/29

Out: 1330.792+/-0.473 χ^2/NDF :183482083.1/31

All: -1502.951+/-0.336 χ^2/NDF : 389443029.3

dit_cyclenum_rms vs Slug, Sign Corrected



Right In: 4925.305+/-0.939 χ^2/NDF : 330994.6/14

Left Out: 7763.885+/-0.671 χ^2/NDF : 336711.2/15

Right Out: 5045.221+/-0.668 χ^2/NDF : 30179.9/15

Left In: 7634.016+/-0.554 χ^2/NDF : 595035.7/14

Left: 7686.723+/-0.427 χ^2/NDF : 954015.5/30

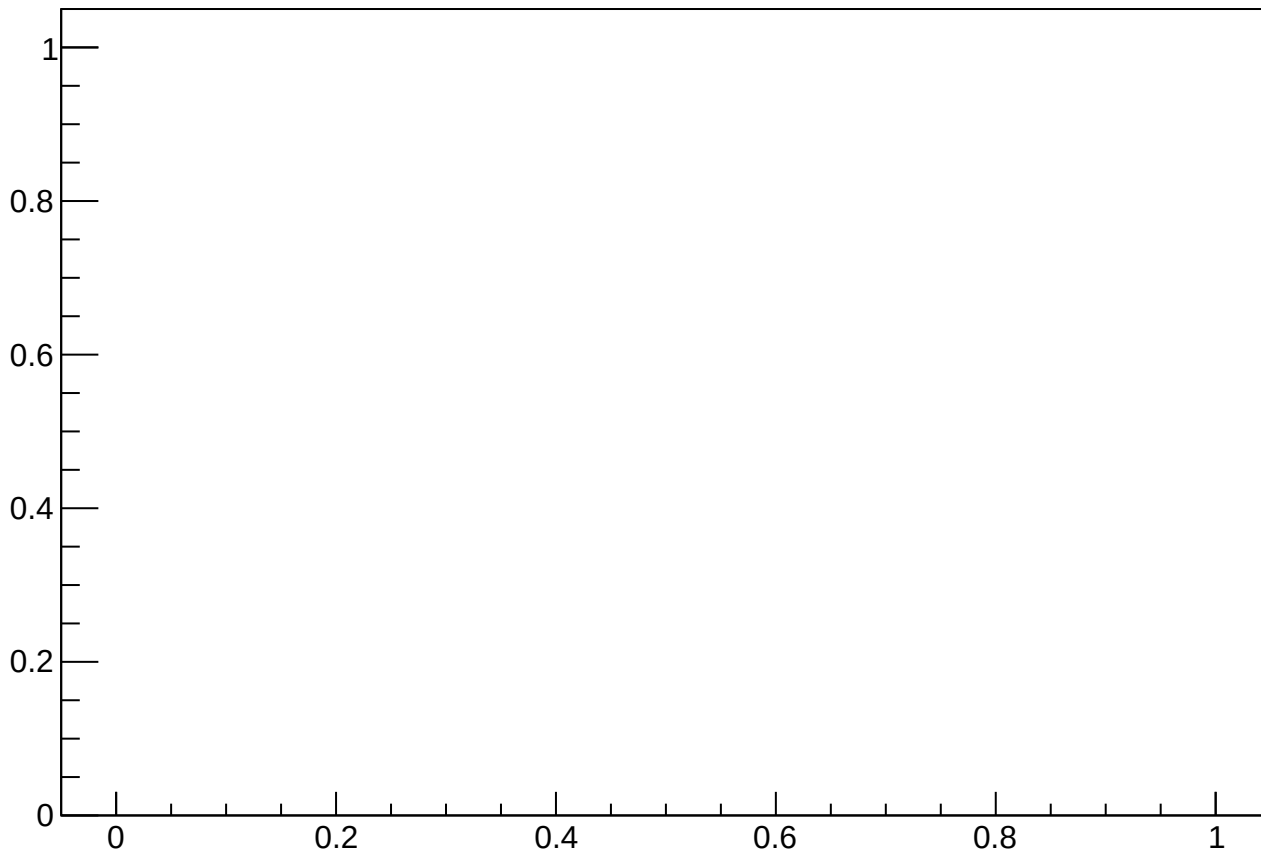
Right: 5004.922+/-0.544 χ^2/NDF : 372009.4/30

In: 6933.482+/-0.477 χ^2/NDF : 7099252.5/29

Out: 6398.495+/-0.473 χ^2/NDF : 8615822.4/31

All: 6663.687+/-0.336 χ^2/NDF : 16348444.5/60

dit_scandata1_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

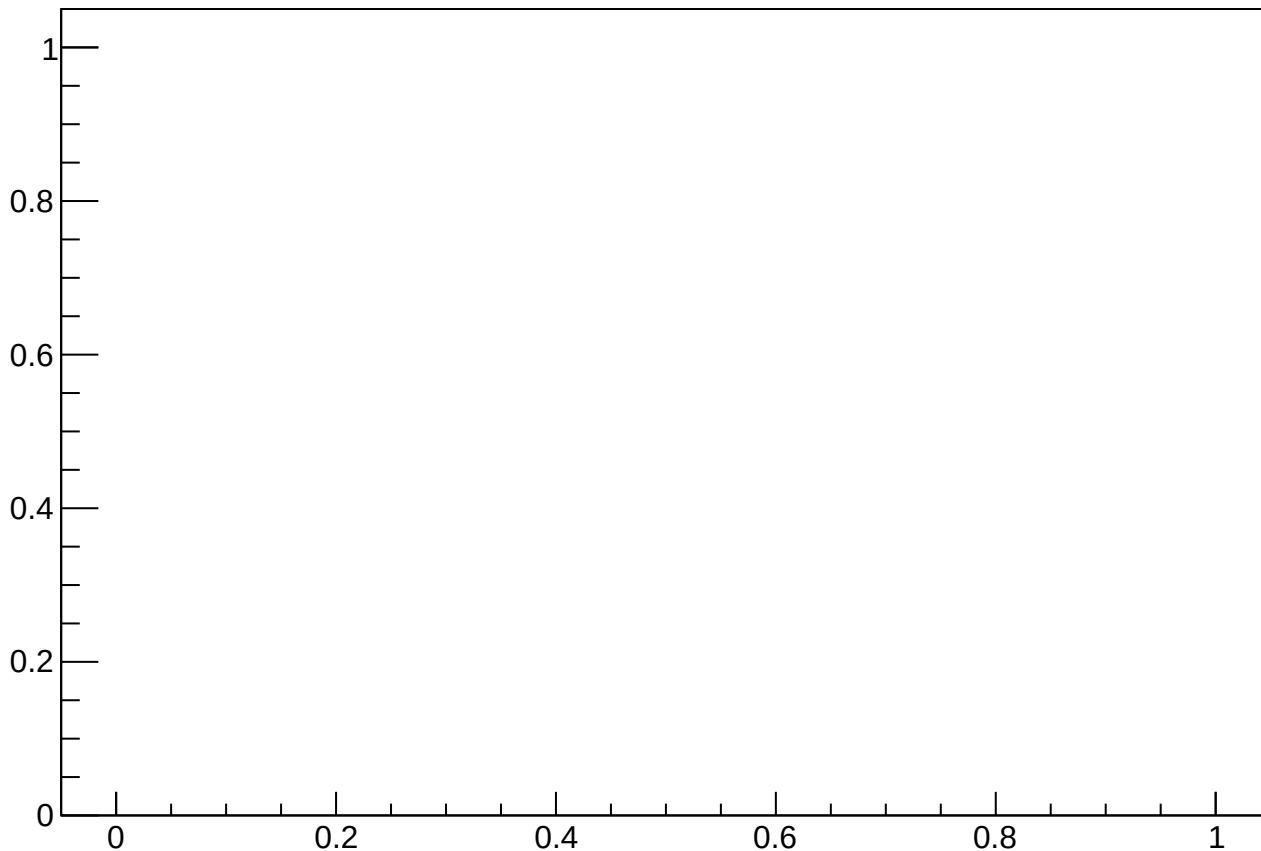
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

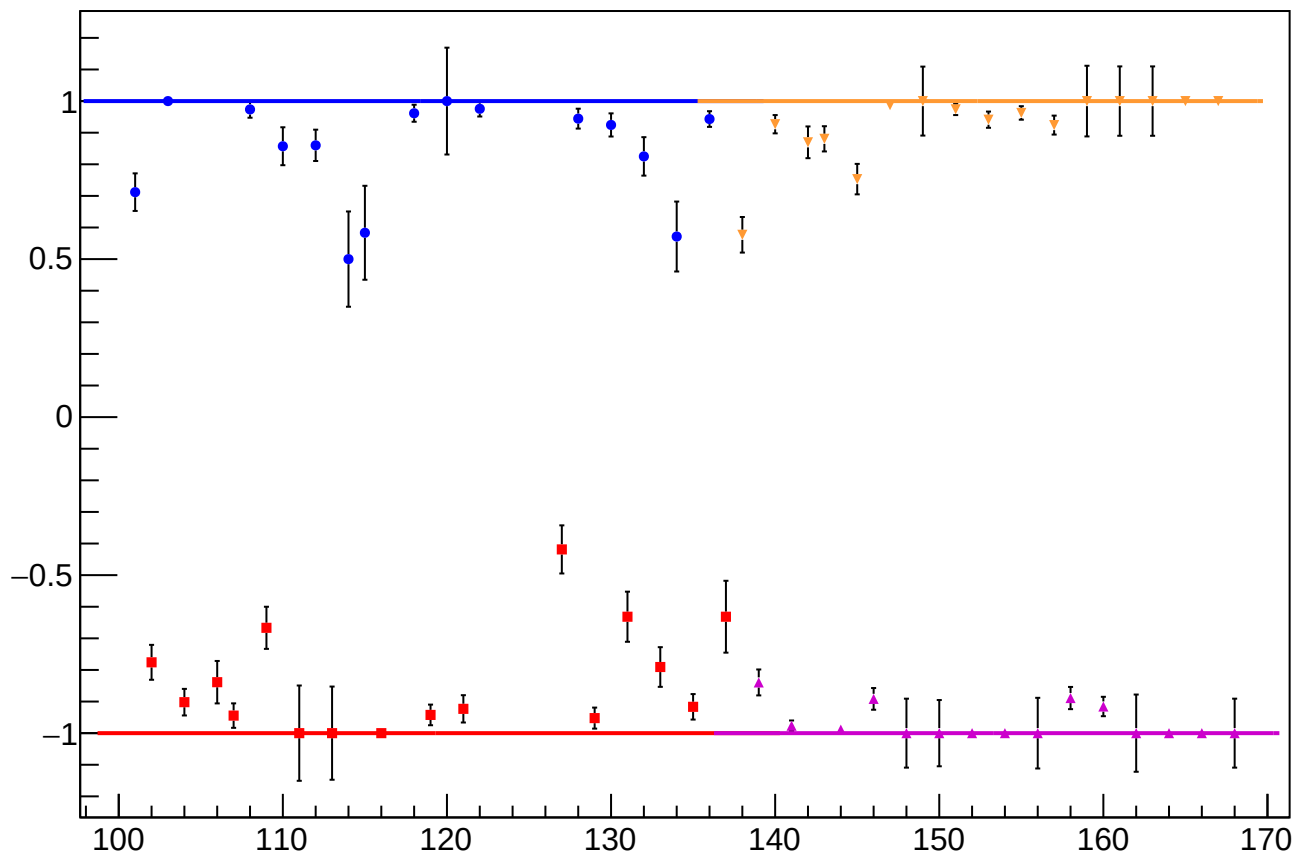
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

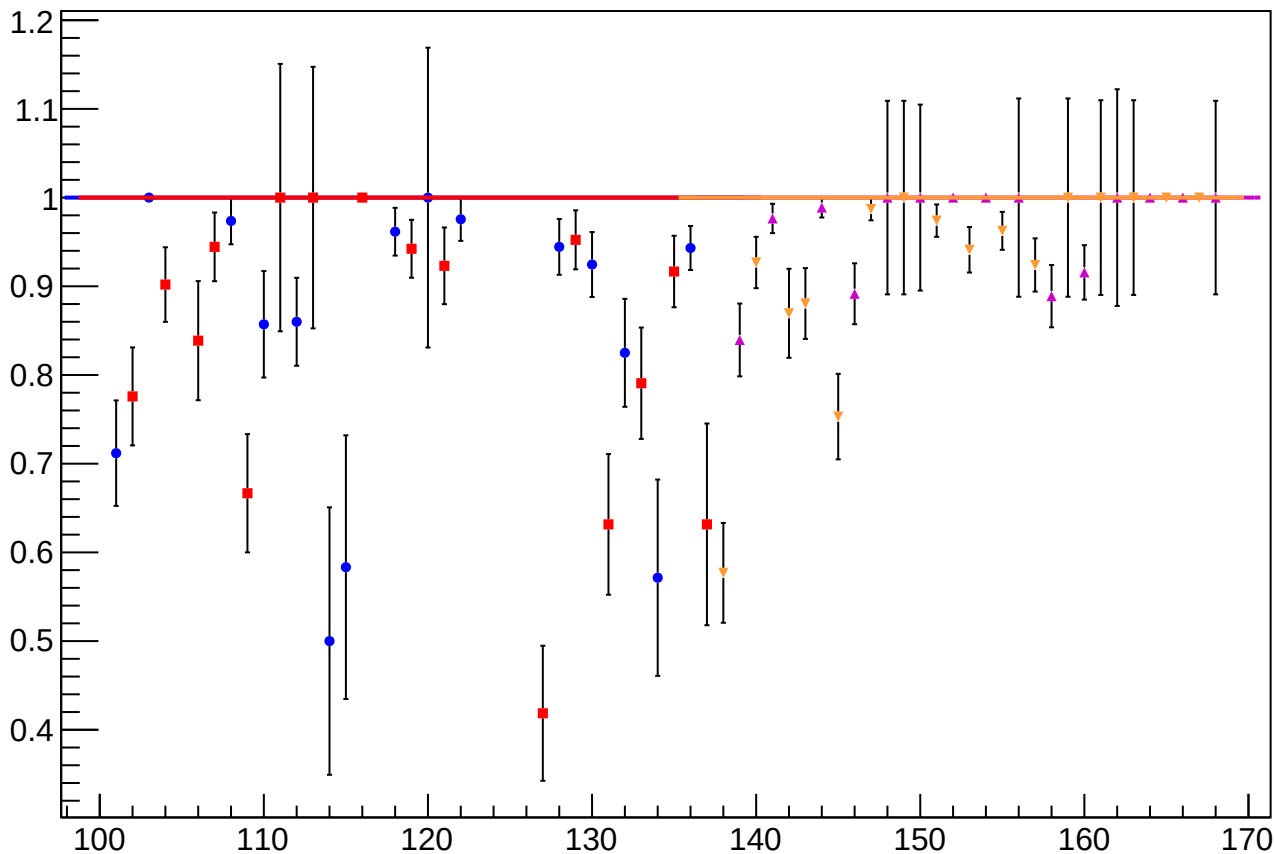
Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_flag_mean vs Slug, Sign Corrected



dit_flag_rms vs Slug, Sign Corrected



Right In: 1.000+/-0.000 χ^2/NDF : 95.9/14

Left Out: 1.000+/-0.000 χ^2/NDF : 977.6/15

Right Out: 1.000+/-0.000 χ^2/NDF : 168.9/15

Left In: 1.000+/-0.000 χ^2/NDF : 1081.3/14

Left: 1.000+/-0.000 χ^2/NDF : 695.4/30

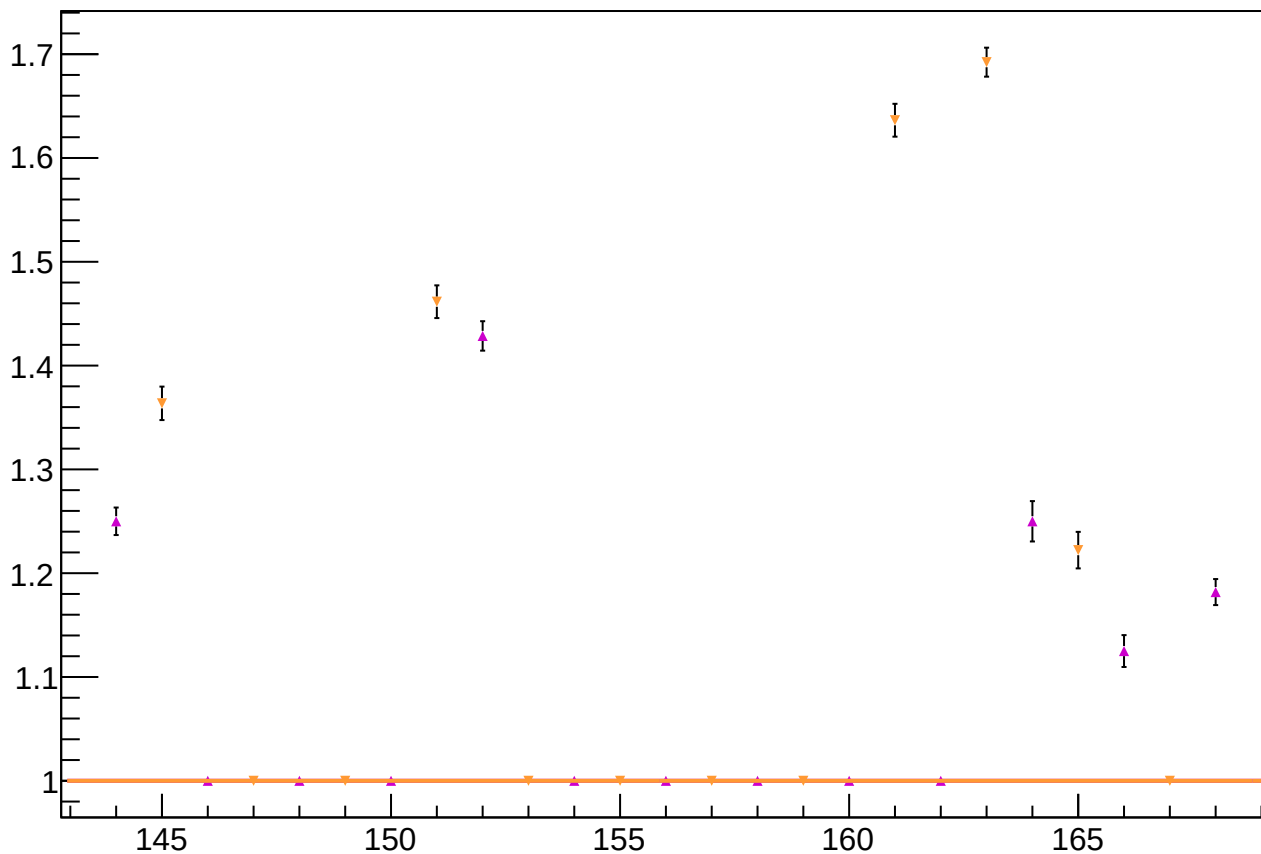
Right: 1.000+/-0.000 χ^2/NDF : 347.8/30

In: 1.000+/-0.000 χ^2/NDF : 491.7/29

Out: 1.000+/-0.000 χ^2/NDF : 456.4/31

All: 1.000+/-0.000 χ^2/NDF : 3714.2/61

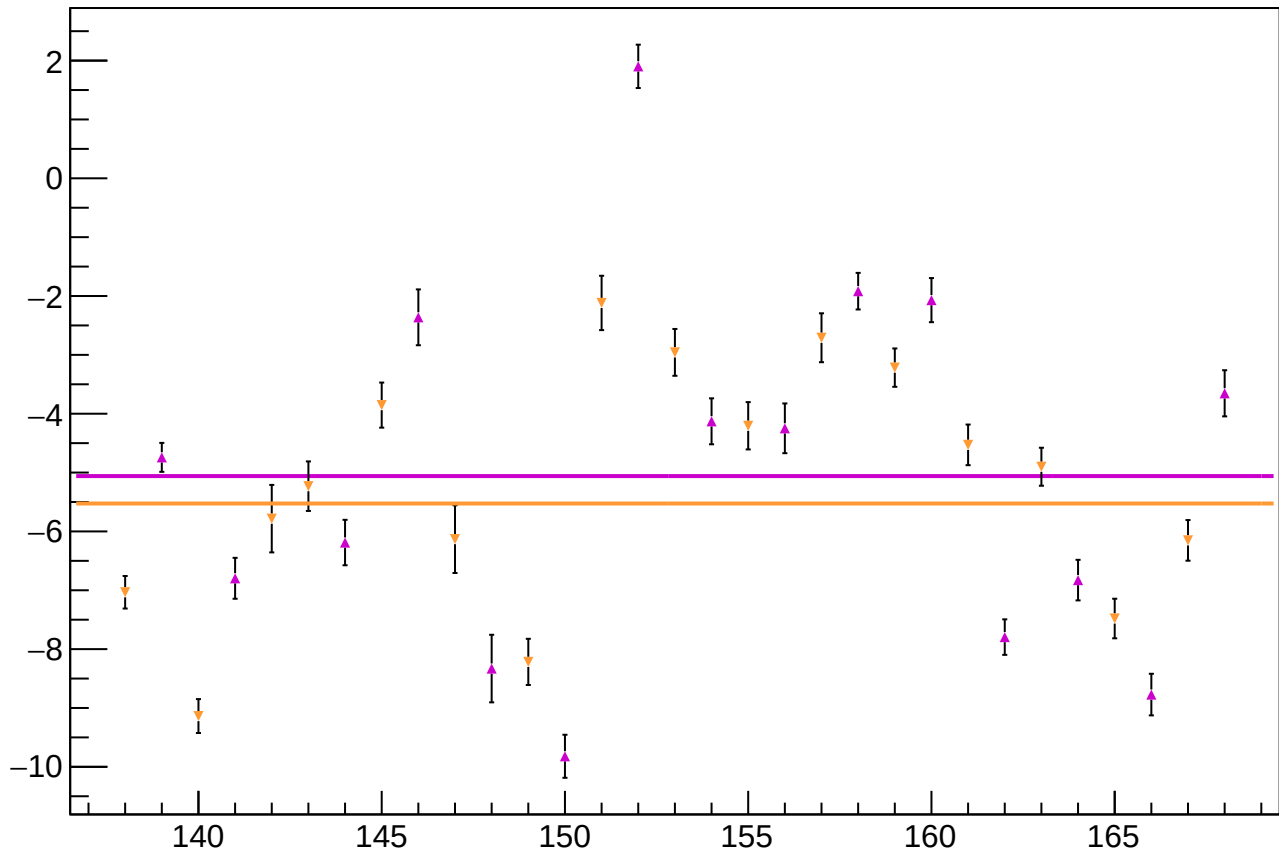
dit_segment_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 1.000+/-0.000 χ^2/NDF : 7039.0/11
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 1.000+/-0.000 χ^2/NDF : 2372.3/12

Left: 1.000+/-0.000 χ^2/NDF : 8779.6/24
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
In: 1.000+/-0.000 χ^2/NDF : 2372.3/12
Out: 1.000+/-0.000 χ^2/NDF : 7039.0/11
All: 1.000+/-0.000 χ^2/NDF : 8779.6/24

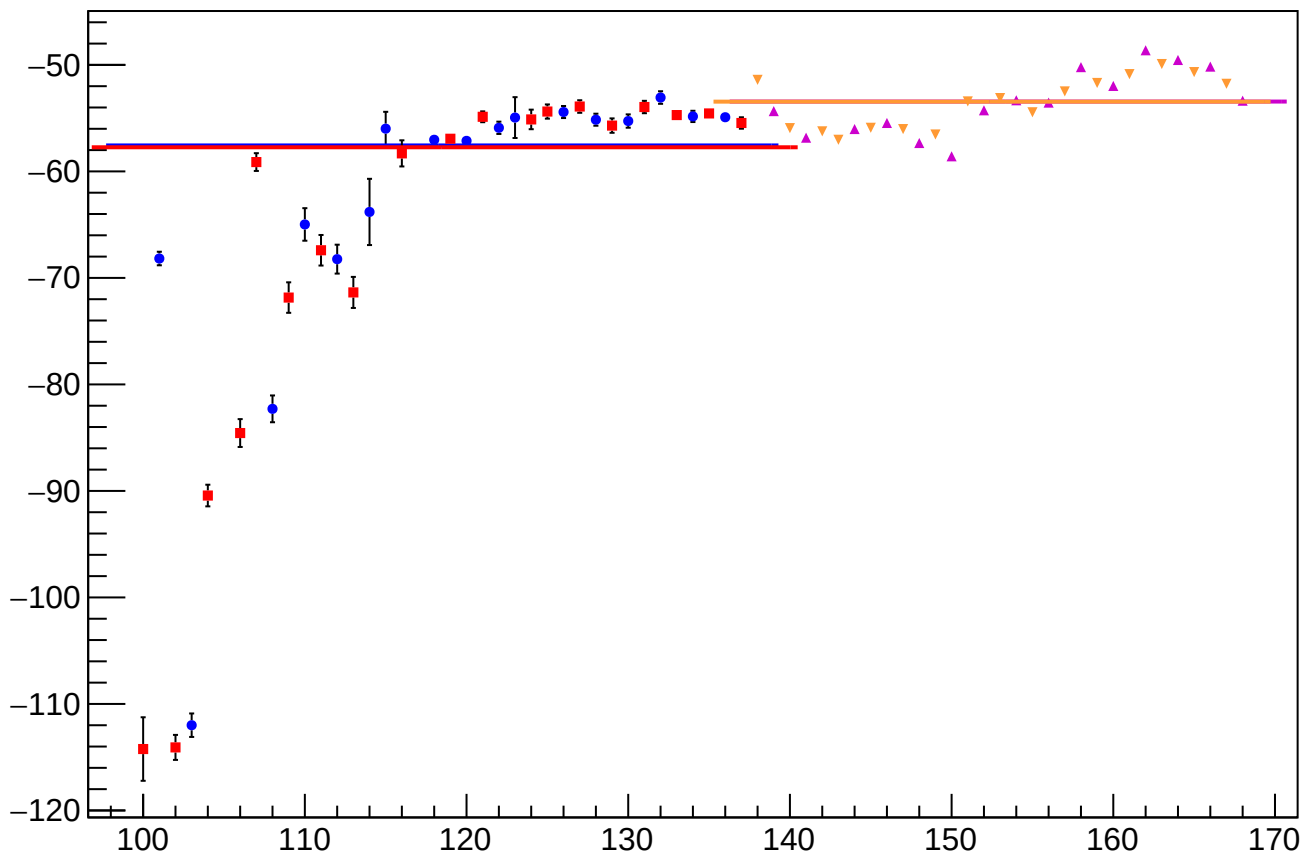
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -5.526 $\pm$ 0.092 χ^2/NDF :507.0/15
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -5.060 $\pm$ 0.092 χ^2/NDF :1033.5/14

Left: -5.293 $\pm$ 0.065 χ^2/NDF : 1553.3/30
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -5.060 $\pm$ 0.092 χ^2/NDF :1033.5/14
 Out: -5.526 $\pm$ 0.092 χ^2/NDF :507.0/15
 All: -5.293 $\pm$ 0.065 χ^2/NDF : 1553.3/30

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.563 ± 0.141 χ^2/NDF : 3455.9/16

Left Out: -53.451 ± 0.069 χ^2/NDF : 1168.2/15

Right Out: -57.736 ± 0.143 χ^2/NDF : 4698.4/18

Left In: -53.443 ± 0.071 χ^2/NDF : 1872.3/14

Left: -53.447 ± 0.050 χ^2/NDF : 3040.5/30

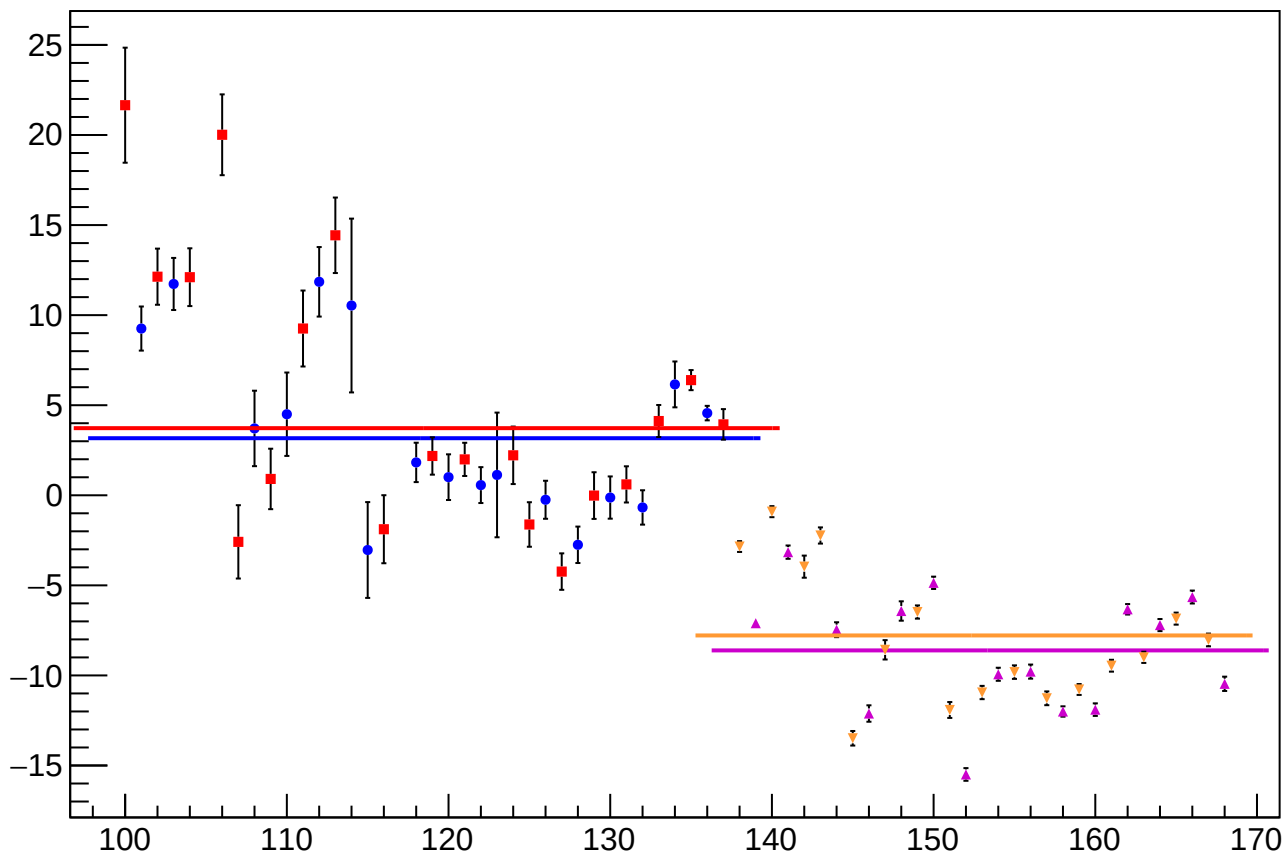
Right: -57.649 ± 0.101 χ^2/NDF : 8155.1/35

In: -54.279 ± 0.064 χ^2/NDF : 6004.4/31

Out: -54.261 ± 0.062 χ^2/NDF : 6594.6/34

All: -54.270 ± 0.045 χ^2/NDF : 12599.0/66

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.168 ± 0.258 χ^2/NDF : 186.2/16

Left Out: -7.781 ± 0.091 χ^2/NDF : 1599.1/15

Right Out: 3.726 ± 0.267 χ^2/NDF : 323.3/18

Left In: -8.611 ± 0.091 χ^2/NDF : 1255.1/14

Left: -8.198 ± 0.064 χ^2/NDF : 2895.9/30

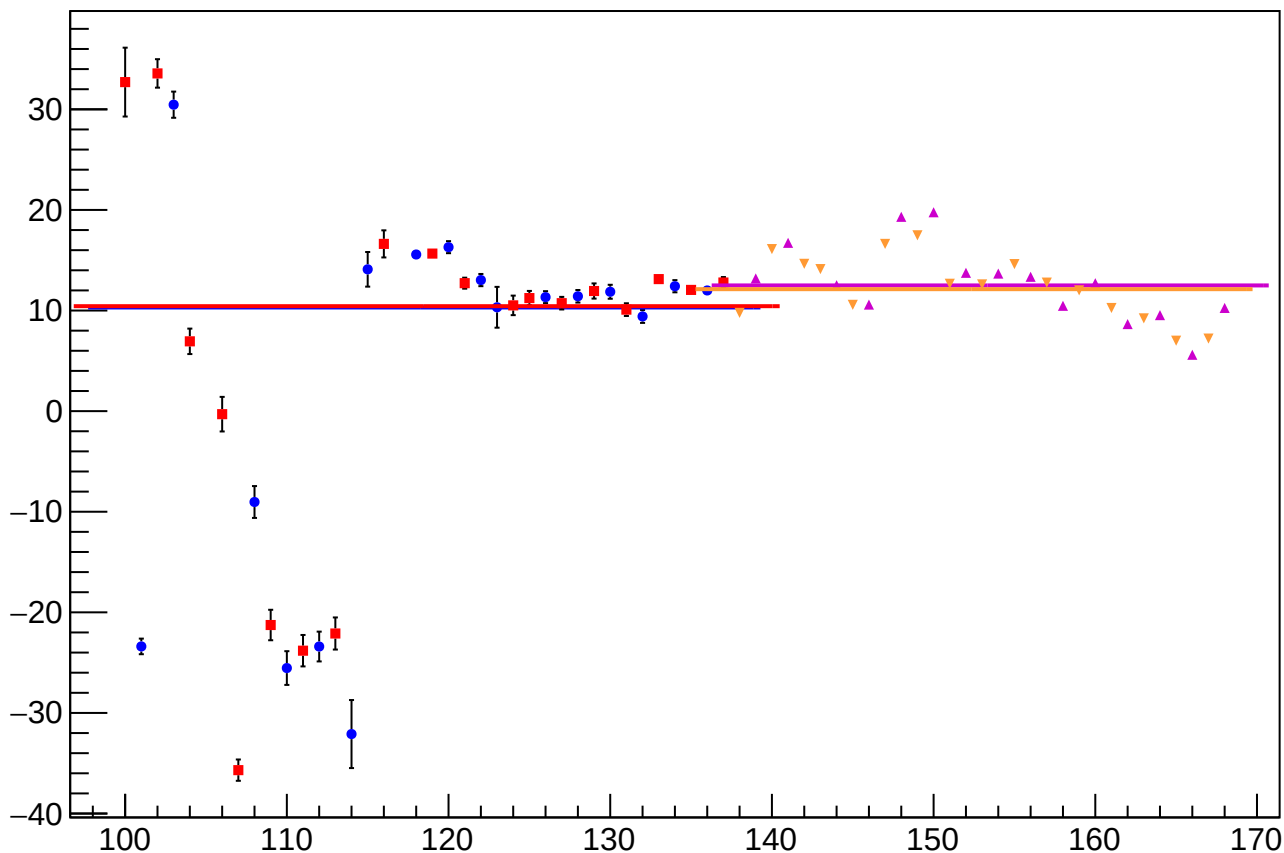
Right: 3.437 ± 0.185 χ^2/NDF : 511.7/35

In: -7.312 ± 0.086 χ^2/NDF : 3299.7/31

Out: -6.579 ± 0.086 χ^2/NDF : 3584.6/34

All: -6.948 ± 0.061 χ^2/NDF : 6920.6/66

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.306 ± 0.157 χ^2/NDF : 3712.3/16

Left Out: 12.124 ± 0.079 χ^2/NDF : 1511.4/15

Right Out: 10.433 ± 0.160 χ^2/NDF : 3828.5/18

Left In: 12.495 ± 0.080 χ^2/NDF : 2041.9/14

Left: 12.306 ± 0.056 χ^2/NDF : 3564.3/30

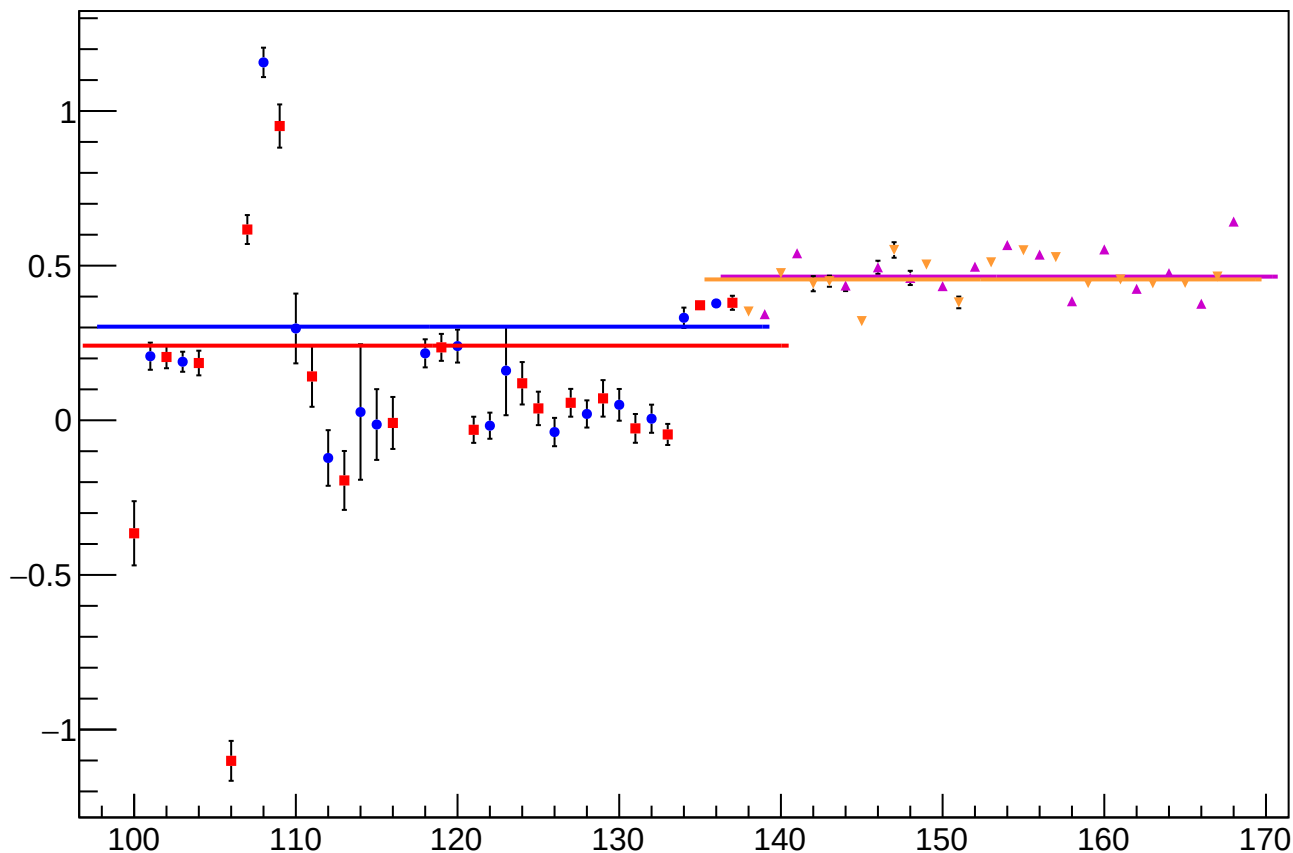
Right: 10.368 ± 0.112 χ^2/NDF : 7541.1/35

In: 12.039 ± 0.072 χ^2/NDF : 5908.7/31

Out: 11.796 ± 0.070 χ^2/NDF : 5430.1/34

All: 11.916 ± 0.050 χ^2/NDF : 11344.6/66

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.6/16

Left Out: 0.455 ± 0.004 χ^2/NDF : 300.1/15

Right Out: 0.241 ± 0.008 χ^2/NDF : 986.7/18

Left In: 0.465 ± 0.004 χ^2/NDF : 592.6/14

Left: 0.460 ± 0.002 χ^2/NDF : 896.1/30

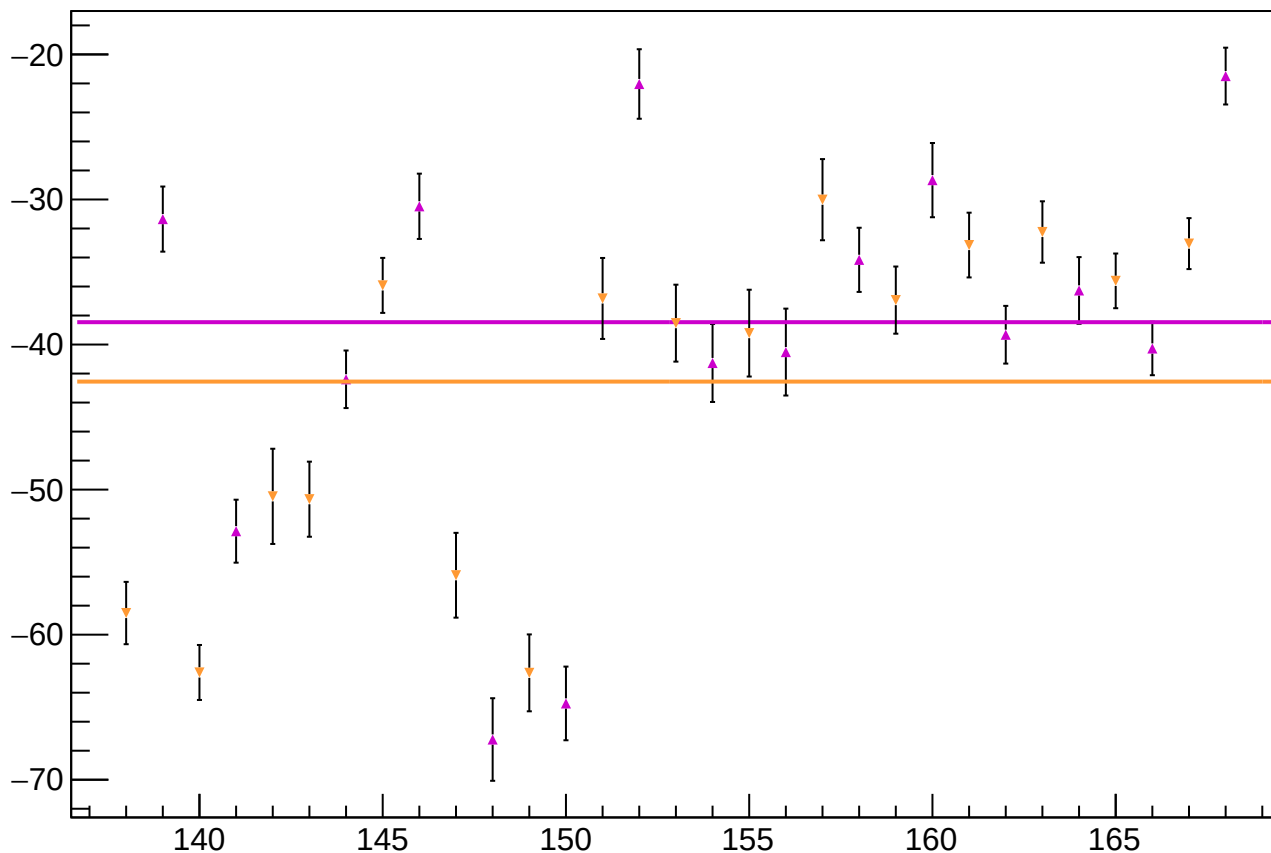
Right: 0.273 ± 0.006 χ^2/NDF : 1660.4/35

In: 0.440 ± 0.003 χ^2/NDF : 1569.0/31

Out: 0.424 ± 0.003 χ^2/NDF : 1828.4/34

All: 0.432 ± 0.002 χ^2/NDF : 3409.3/66

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -42.554+/-0.577 χ^2/NDF :391.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -38.458+/-0.585 χ^2/NDF :424.0/14

Left: -40.534+/-0.411 χ^2/NDF : 840.1/30

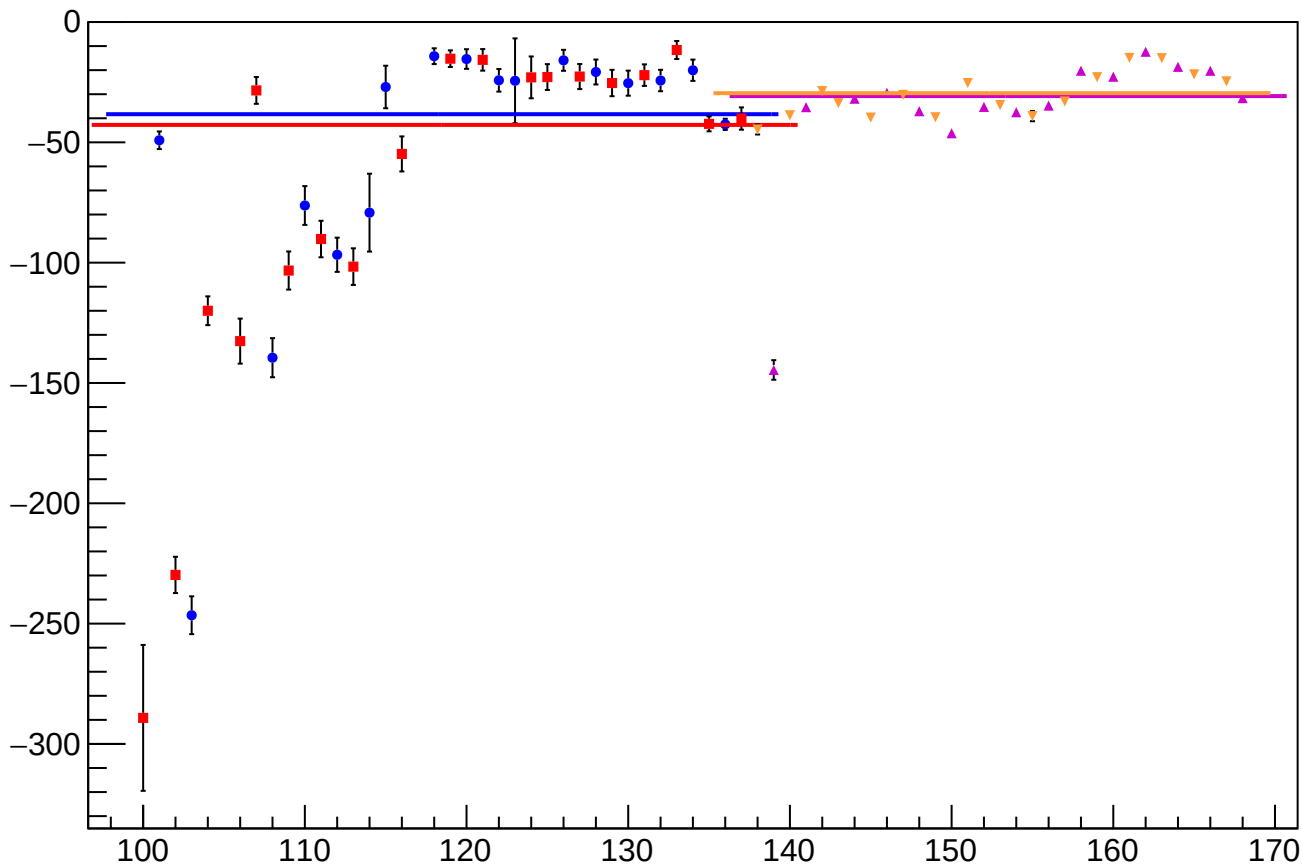
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.458+/-0.585 χ^2/NDF :424.0/14

Out: -42.554+/-0.577 χ^2/NDF :391.4/15

All: -40.534+/-0.411 χ^2/NDF : 840.1/30

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.309 ± 1.137 $\chi^2/\text{NDF}: 1132.7/16$

Left Out: -29.570 ± 0.420 $\chi^2/\text{NDF}: 430.1/15$

Right Out: -42.756 ± 1.211 $\chi^2/\text{NDF}: 1341.6/18$

Left In: -30.779 ± 0.431 $\chi^2/\text{NDF}: 1203.2/14$

Left: -30.159 ± 0.301 $\chi^2/\text{NDF}: 1637.3/30$

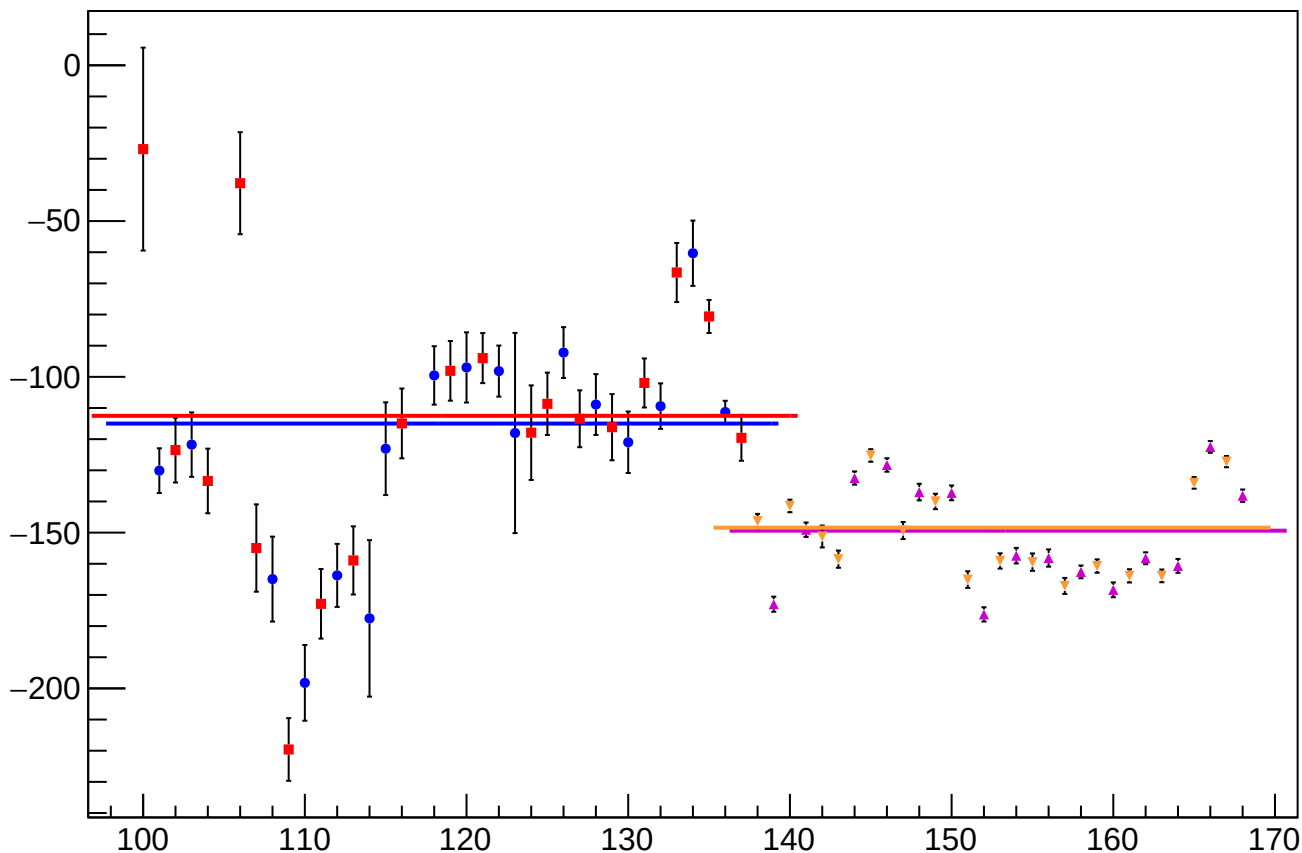
Right: -40.393 ± 0.829 $\chi^2/\text{NDF}: 2481.4/35$

In: -31.726 ± 0.403 $\chi^2/\text{NDF}: 2374.2/31$

Out: -30.989 ± 0.397 $\chi^2/\text{NDF}: 1877.5/34$

All: -31.352 ± 0.283 $\chi^2/\text{NDF}: 4253.4/66$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -114.996 ± 2.072 $\chi^2/\text{NDF}: 141.8/16$

Left Out: -148.402 ± 0.574 $\chi^2/\text{NDF}: 637.7/15$

Right Out: -112.510 ± 2.207 $\chi^2/\text{NDF}: 273.1/18$

Left In: -149.374 ± 0.575 $\chi^2/\text{NDF}: 849.3/14$

Left: -148.886 ± 0.406 $\chi^2/\text{NDF}: 1488.4/30$

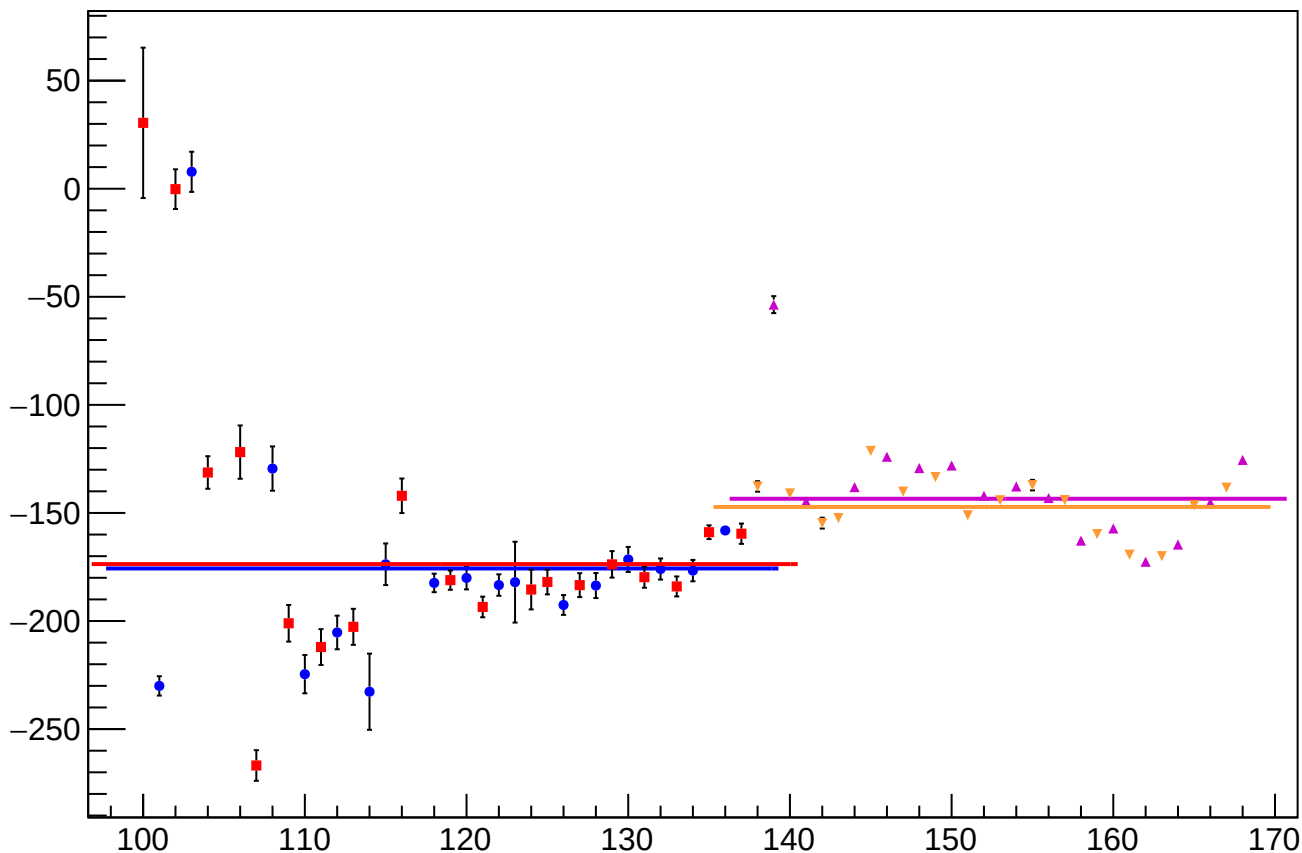
Right: -113.831 ± 1.511 $\chi^2/\text{NDF}: 415.6/35$

In: -146.913 ± 0.554 $\chi^2/\text{NDF}: 1246.6/31$

Out: -146.130 ± 0.555 $\chi^2/\text{NDF}: 1158.6/34$

All: -146.522 ± 0.392 $\chi^2/\text{NDF}: 2406.2/66$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.696 ± 1.268 χ^2/NDF : 692.9/16

Left Out: -147.229 ± 0.484 χ^2/NDF : 783.1/15

Right Out: -173.666 ± 1.356 χ^2/NDF : 737.7/18

Left In: -143.437 ± 0.496 χ^2/NDF : 1489.4/14

Left: -145.380 ± 0.347 χ^2/NDF : 2302.5/30

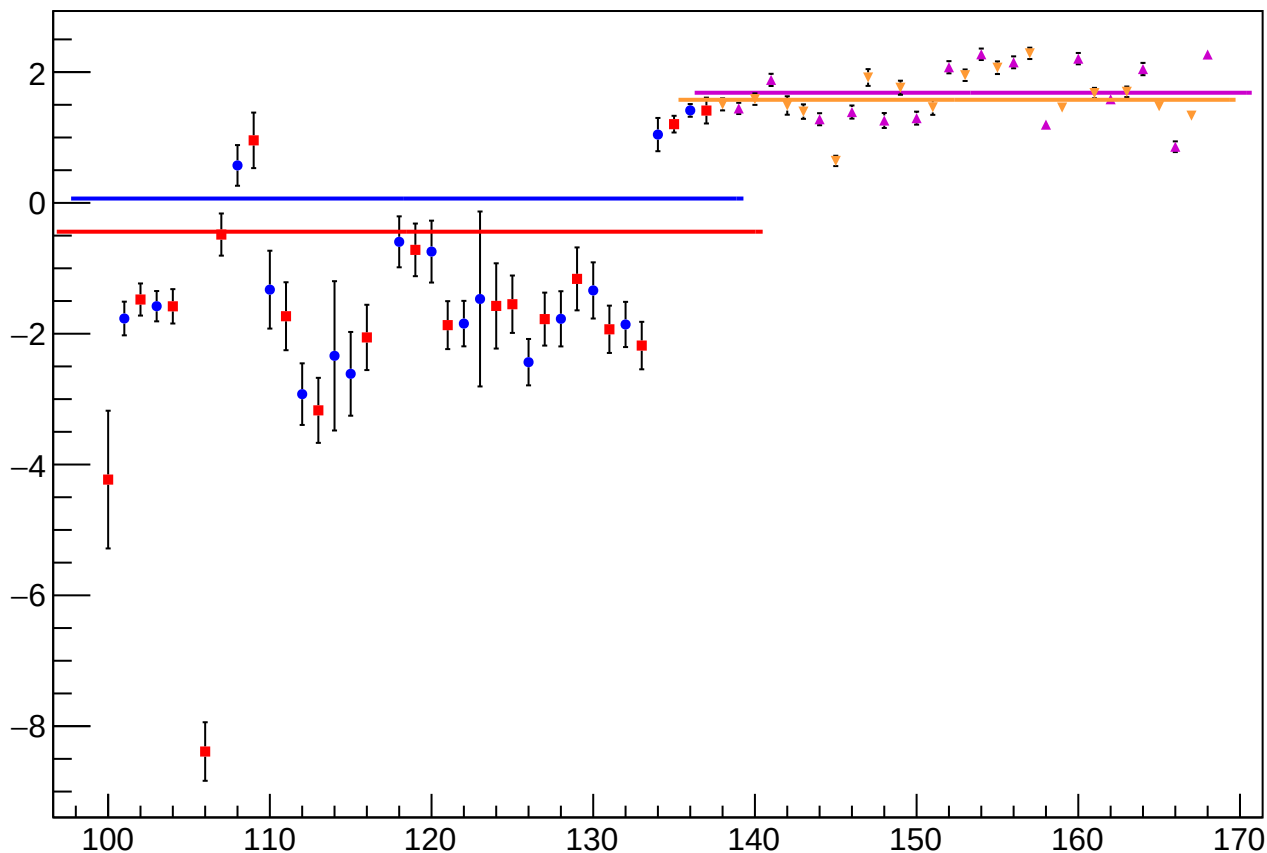
Right: -174.749 ± 0.926 χ^2/NDF : 1431.8/35

In: -147.723 ± 0.462 χ^2/NDF : 2744.0/31

Out: -150.219 ± 0.456 χ^2/NDF : 1858.0/34

All: -148.988 ± 0.325 χ^2/NDF : 4616.7/66

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.067 ± 0.067 $\chi^2/\text{NDF}: 526.1/16$

Left Out: 1.577 ± 0.023 $\chi^2/\text{NDF}: 284.1/15$

Right Out: -0.440 ± 0.071 $\chi^2/\text{NDF}: 754.9/18$

Left In: 1.684 ± 0.023 $\chi^2/\text{NDF}: 416.0/14$

Left: 1.630 ± 0.016 $\chi^2/\text{NDF}: 711.4/30$

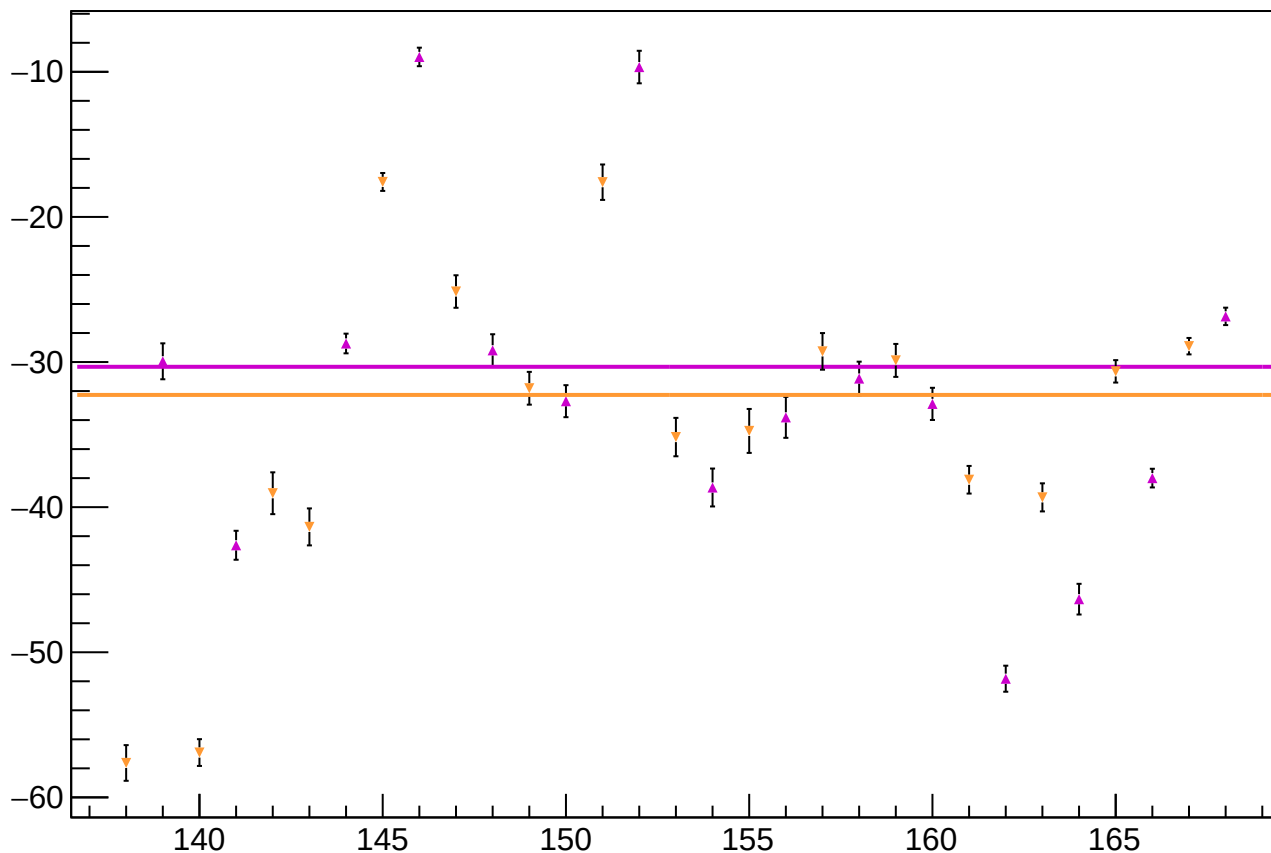
Right: -0.172 ± 0.049 $\chi^2/\text{NDF}: 1308.0/35$

In: 1.518 ± 0.021 $\chi^2/\text{NDF}: 1465.4/31$

Out: 1.392 ± 0.021 $\chi^2/\text{NDF}: 1769.9/34$

All: 1.455 ± 0.015 $\chi^2/\text{NDF}: 3252.4/66$

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -32.266 $\pm$ 0.241 χ^2 /NDF:2110.5/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -30.327 $\pm$ 0.231 χ^2 /NDF:2651.7/14

Left: -31.256 $\pm$ 0.167 χ^2 /NDF: 4795.8/30

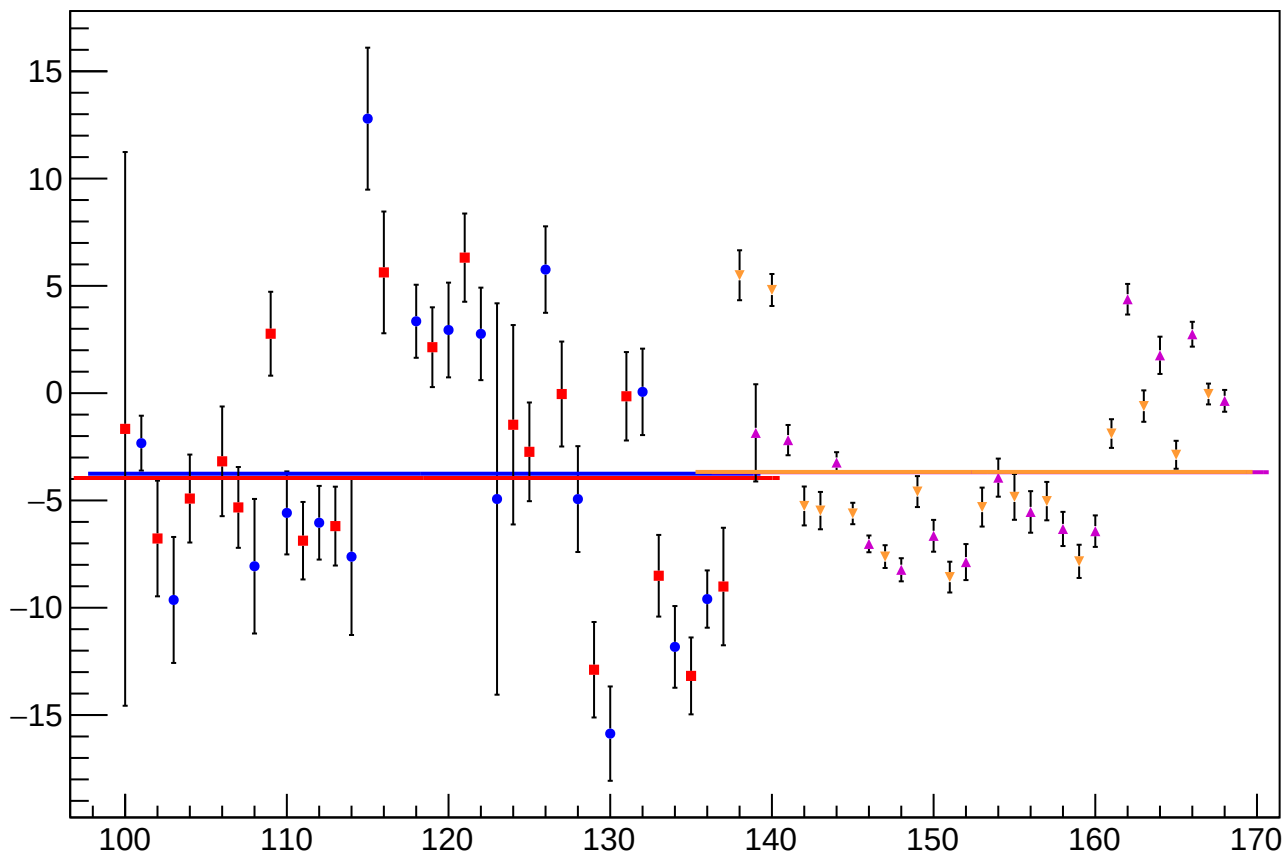
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -30.327 $\pm$ 0.231 χ^2 /NDF:2651.7/14

Out: -32.266 $\pm$ 0.241 χ^2 /NDF:2110.5/15

All: -31.256 $\pm$ 0.167 χ^2 /NDF: 4795.8/30

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.754 ± 0.495 $\chi^2/\text{NDF}: 165.3/16$

Left Out: -3.670 ± 0.176 $\chi^2/\text{NDF}: 435.5/15$

Right Out: -3.954 ± 0.507 $\chi^2/\text{NDF}: 123.3/18$

Left In: -3.685 ± 0.167 $\chi^2/\text{NDF}: 553.1/14$

Left: -3.678 ± 0.121 $\chi^2/\text{NDF}: 988.6/30$

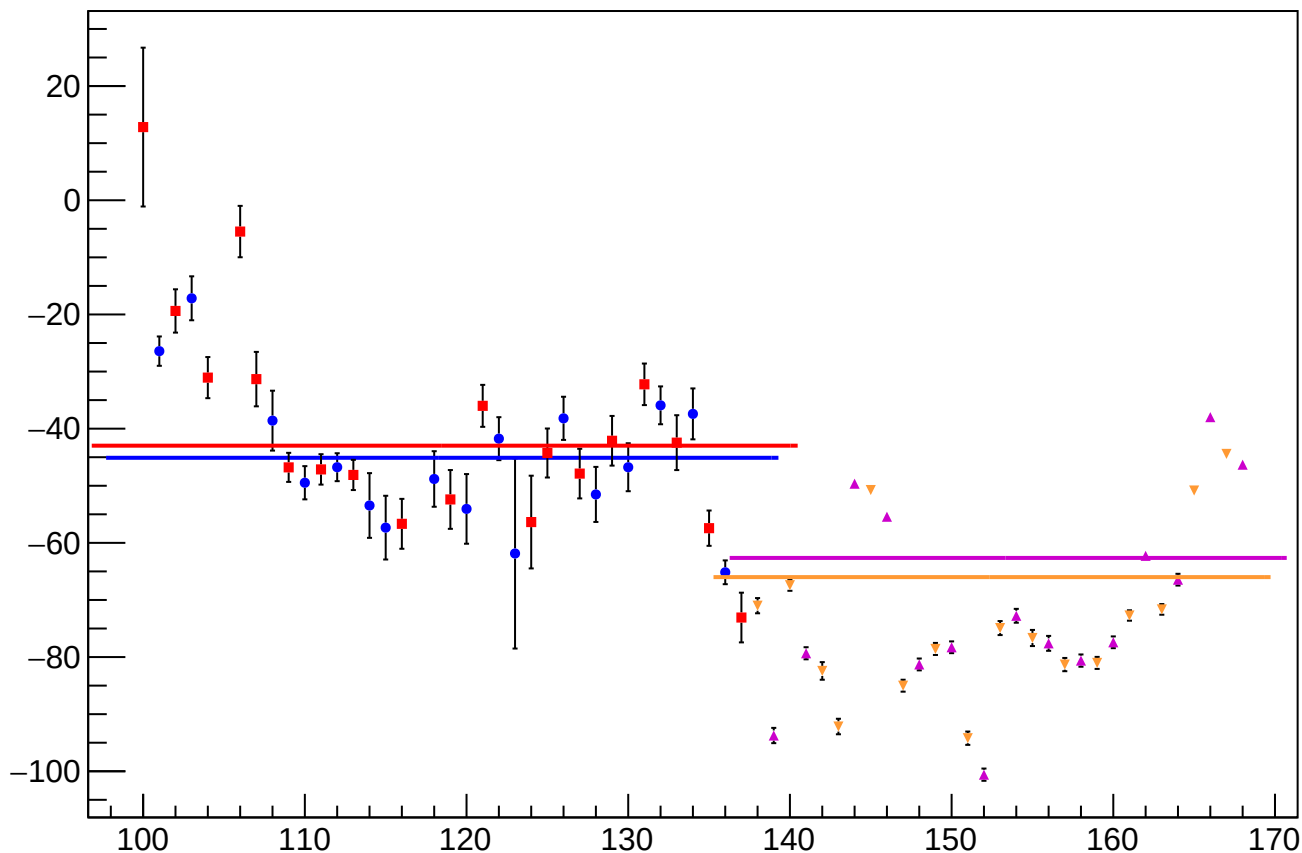
Right: -3.852 ± 0.354 $\chi^2/\text{NDF}: 288.7/35$

In: -3.692 ± 0.159 $\chi^2/\text{NDF}: 718.5/31$

Out: -3.701 ± 0.166 $\chi^2/\text{NDF}: 559.1/34$

All: -3.696 ± 0.115 $\chi^2/\text{NDF}: 1277.5/66$

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



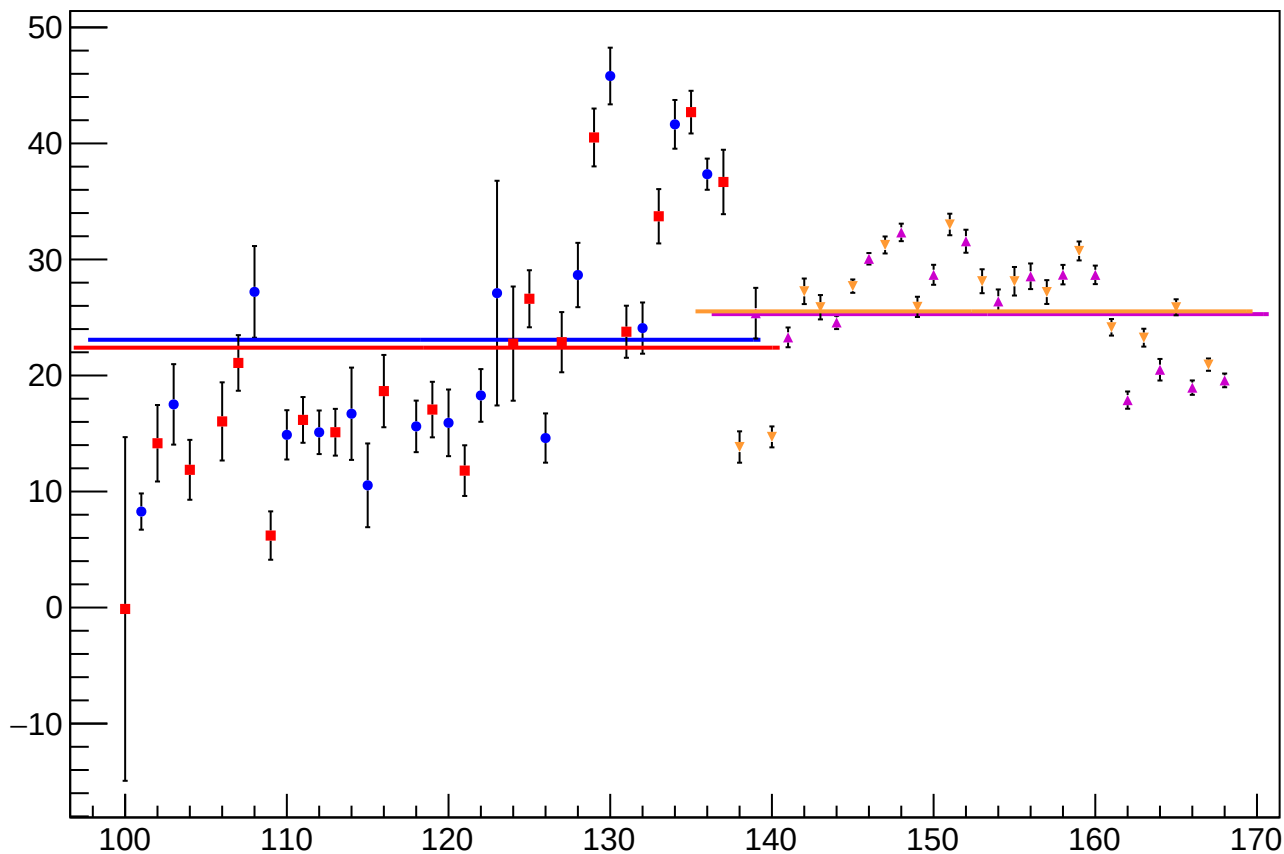
Right In: -45.101 ± 0.881 χ^2/NDF : 229.9/16
 Left Out: -65.998 ± 0.241 χ^2/NDF : 4448.4/15
 Right Out: -42.979 ± 0.877 χ^2/NDF : 248.9/18
 Left In: -62.637 ± 0.229 χ^2/NDF : 5889.6/14

Left: -64.231 ± 0.166 χ^2/NDF : 10440.4/30
 Right: -44.036 ± 0.622 χ^2/NDF : 481.6/35

In: -61.530 ± 0.221 χ^2/NDF : 6490.8/31
 Out: -64.386 ± 0.232 χ^2/NDF : 5337.4/34

All: -62.890 ± 0.160 χ^2/NDF : 11907.5/66

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.079 $\pm$ 0.556 χ^2 /NDF: 461.1/16

Left Out: 25.526 $\pm$ 0.203 χ^2 /NDF:503.1/15

Right Out: 22.397 $\pm$ 0.572 χ^2 /NDF: 370.3/18

Left In: 25.288 $\pm$ 0.196 χ^2 /NDF:610.4/14

Left: 25.403 $\pm$ 0.141 χ^2 /NDF: 1114.3/30

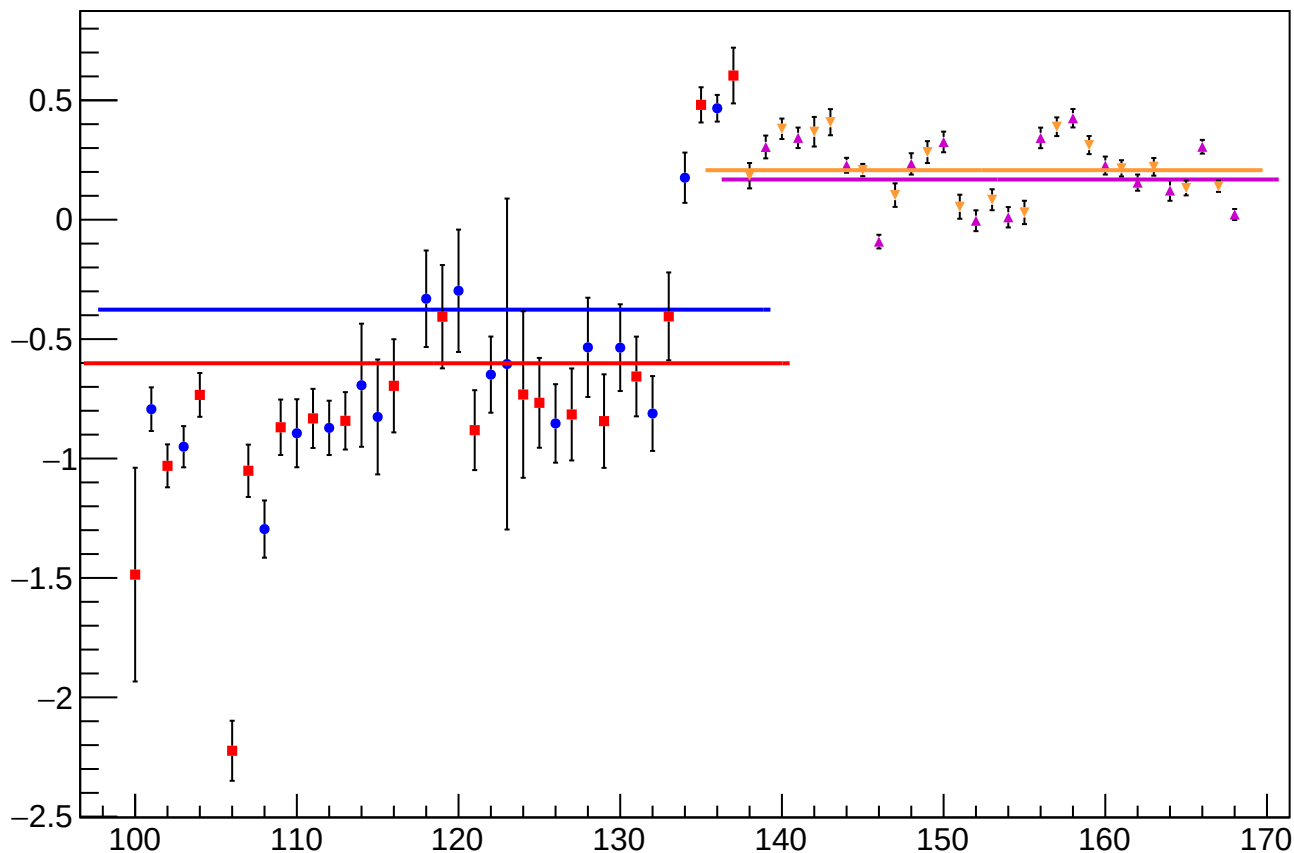
Right: 22.748 $\pm$ 0.399 χ^2 /NDF: 832.1/35

In: 25.043 $\pm$ 0.185 χ^2 /NDF:1085.6/31

Out: 25.176 $\pm$ 0.192 χ^2 /NDF:899.9/34

All: 25.107 $\pm$ 0.133 χ^2 /NDF: 1985.8/66

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.377 ± 0.030 χ^2/NDF : 437.1/16

Left Out: 0.207 ± 0.010 χ^2/NDF : 117.8/15

Right Out: -0.601 ± 0.030 χ^2/NDF : 555.6/18

Left In: 0.168 ± 0.009 χ^2/NDF : 282.9/14

Left: 0.187 ± 0.007 χ^2/NDF : 409.4/30

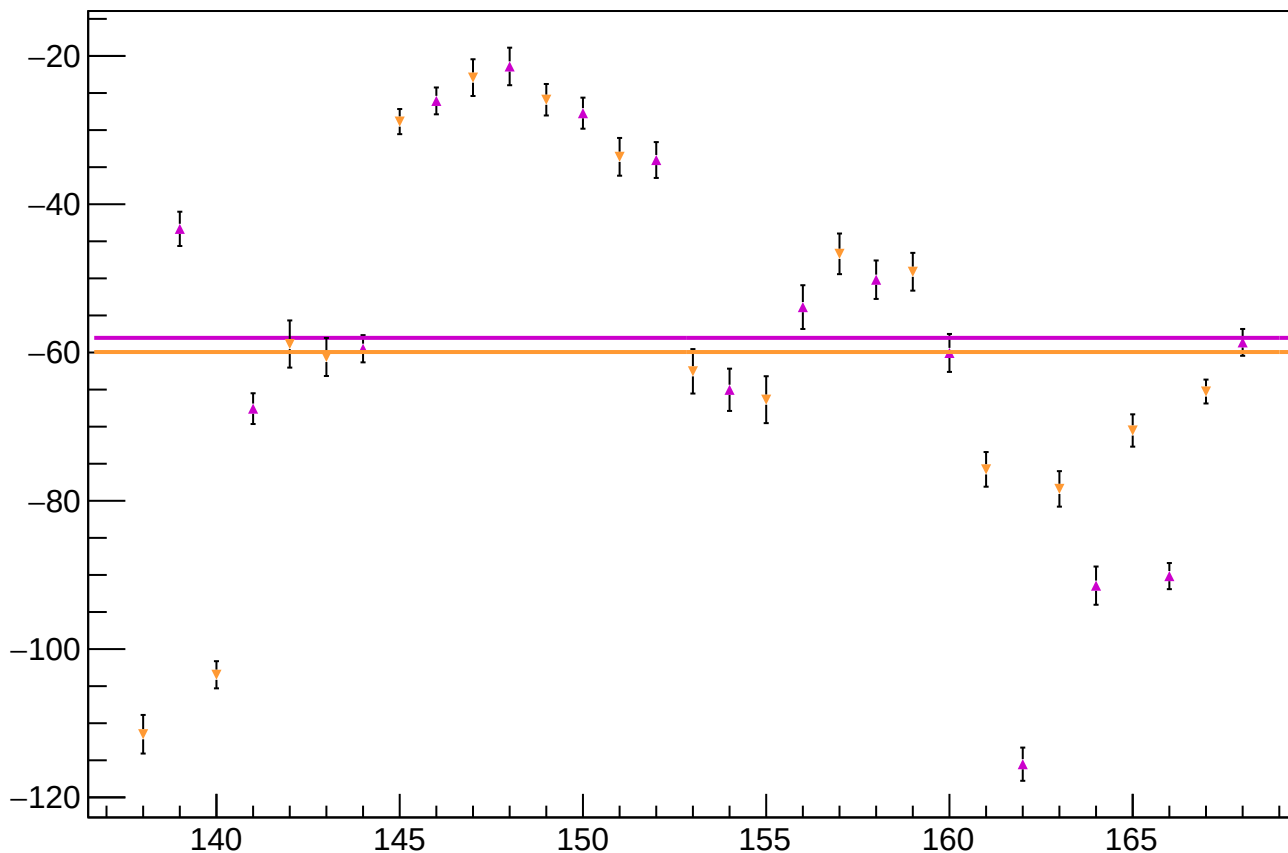
Right: -0.489 ± 0.021 χ^2/NDF : 1020.5/35

In: 0.121 ± 0.009 χ^2/NDF : 1020.2/31

Out: 0.134 ± 0.009 χ^2/NDF : 1326.4/34

All: 0.128 ± 0.006 χ^2/NDF : 2347.7/66

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



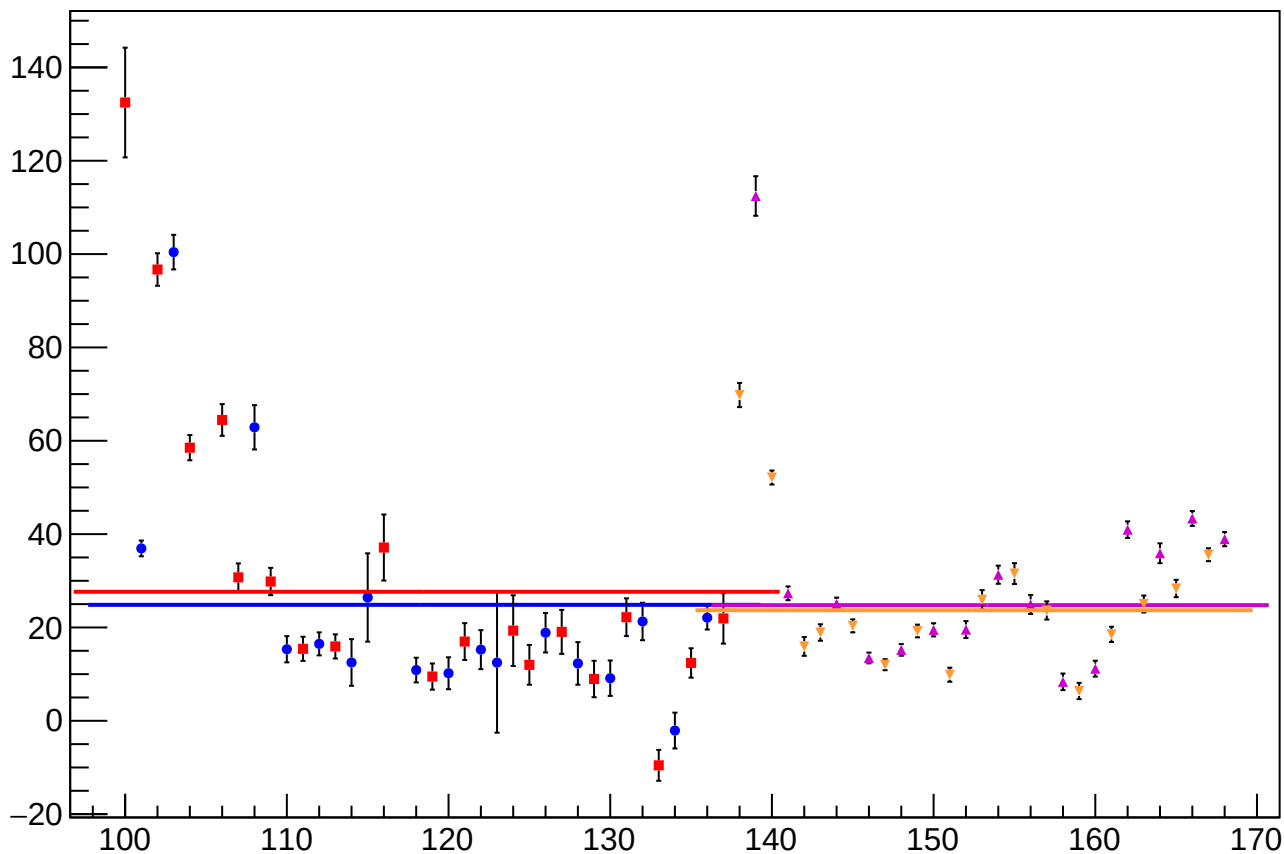
Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -59.934 $\pm$ 0.574 χ^2/NDF :2065.2/15
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -58.024 $\pm$ 0.569 χ^2/NDF :2068.6/14

Left: -58.969 $\pm$ 0.404 χ^2/NDF : 4139.4/30
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -58.024 $\pm$ 0.569 χ^2/NDF :2068.6/14
 Out: -59.934 $\pm$ 0.574 χ^2/NDF :2065.2/15

All: -58.969 $\pm$ 0.404 χ^2/NDF : 4139.4/30

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 24.848 $\pm$ 0.801 χ^2/NDF : 690.8/16

Left Out: 23.691 $\pm$ 0.413 χ^2/NDF :1097.4/15

Right Out: 27.648 $\pm$ 0.810 χ^2/NDF : 1009.2/18

Left In: 24.776 $\pm$ 0.415 χ^2/NDF :1099.0/14

Left: 24.231 $\pm$ 0.293 χ^2/NDF : 2199.8/30

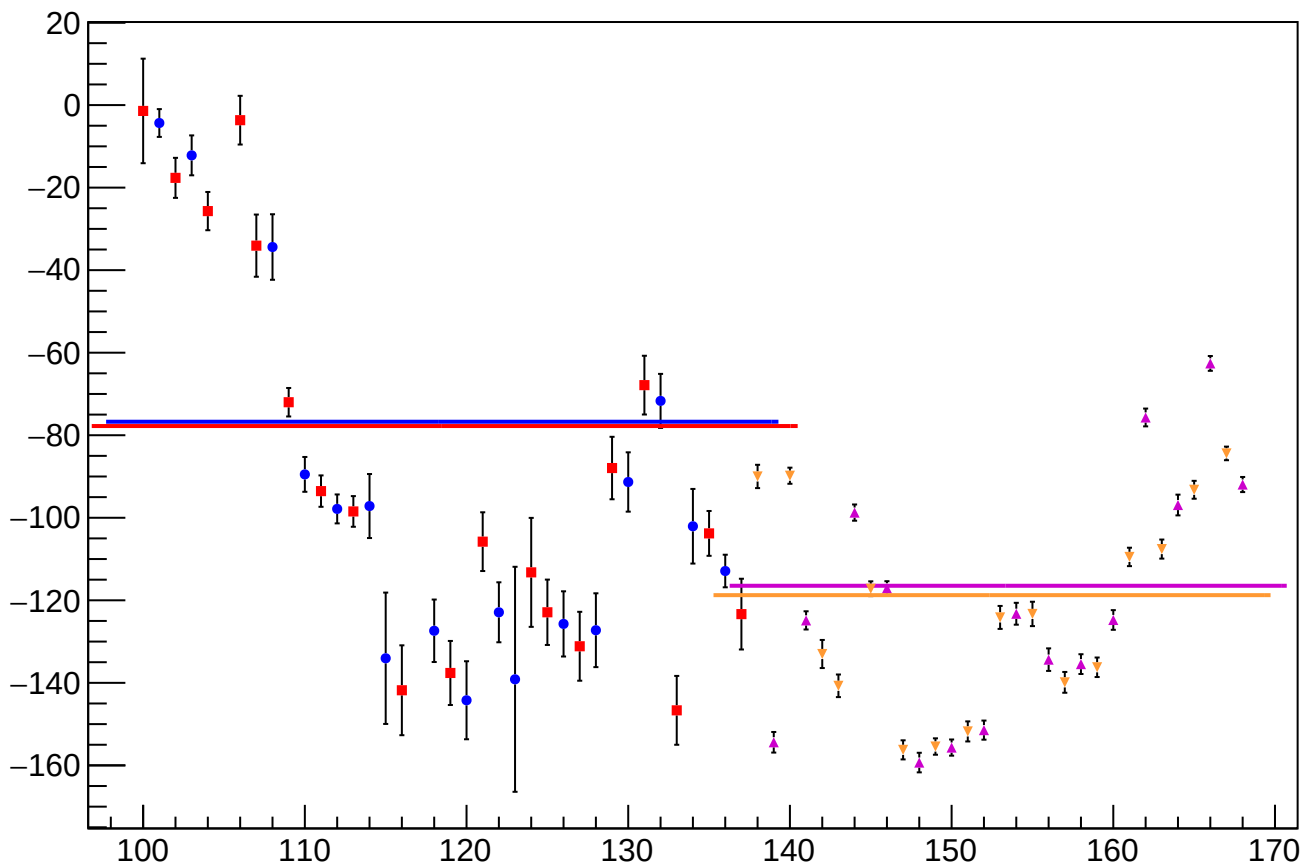
Right: 26.231 $\pm$ 0.570 χ^2/NDF : 1706.0/35

In: 24.791 $\pm$ 0.368 χ^2/NDF :1789.8/31

Out: 24.506 $\pm$ 0.368 χ^2/NDF :2125.5/34

All: 24.648 $\pm$ 0.260 χ^2/NDF : 3915.6/66

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.728 ± 1.412 χ^2/NDF : 1042.0/16

Left Out: -118.750 ± 0.570 χ^2/NDF : 1938.5/15

Right Out: -77.773 ± 1.352 χ^2/NDF : 871.8/18

Left In: -116.475 ± 0.560 χ^2/NDF : 2905.2/14

Left: -117.593 ± 0.399 χ^2/NDF : 4851.8/30

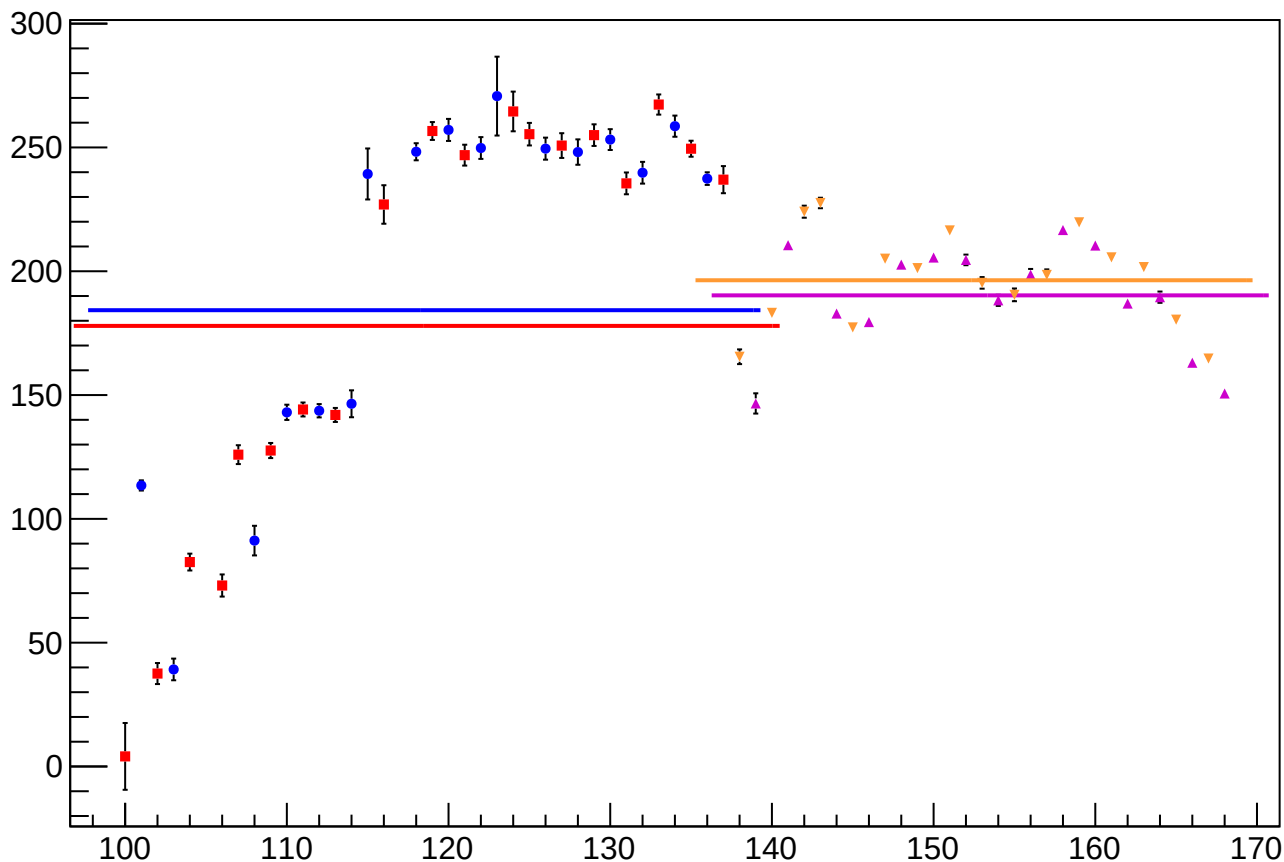
Right: -77.273 ± 0.977 χ^2/NDF : 1914.1/35

In: -111.075 ± 0.521 χ^2/NDF : 4631.8/31

Out: -112.567 ± 0.525 χ^2/NDF : 3590.0/34

All: -111.815 ± 0.370 χ^2/NDF : 8225.8/66

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 184.271 ± 0.914 $\chi^2/\text{NDF}: 5401.0/16$

Left Out: 196.361 ± 0.480 $\chi^2/\text{NDF}: 1500.2/15$

Right Out: 177.930 ± 0.924 $\chi^2/\text{NDF}: 6330.9/18$

Left In: 190.261 ± 0.482 $\chi^2/\text{NDF}: 1589.4/14$

Left: 193.323 ± 0.340 $\chi^2/\text{NDF}: 3170.0/30$

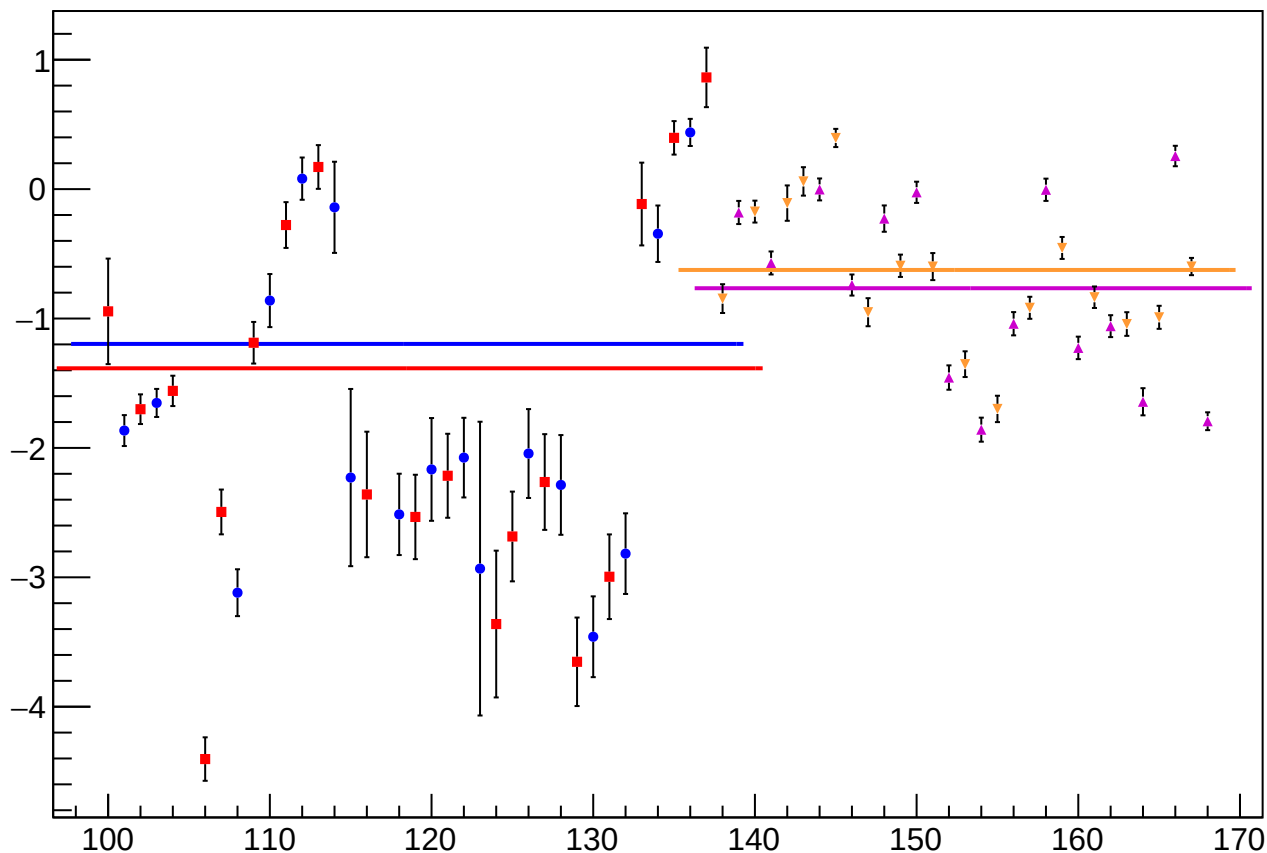
Right: 181.136 ± 0.650 $\chi^2/\text{NDF}: 11755.7/35$

In: 188.956 ± 0.426 $\chi^2/\text{NDF}: 7024.0/31$

Out: 192.442 ± 0.426 $\chi^2/\text{NDF}: 8144.4/34$

All: 190.701 ± 0.301 $\chi^2/\text{NDF}: 15201.9/66$

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.196 ± 0.048 χ^2/NDF : 623.1/16

Left Out: -0.625 ± 0.023 χ^2/NDF : 529.8/15

Right Out: -1.385 ± 0.046 χ^2/NDF : 924.4/18

Left In: -0.766 ± 0.022 χ^2/NDF : 1018.0/14

Left: -0.696 ± 0.016 χ^2/NDF : 1567.6/30

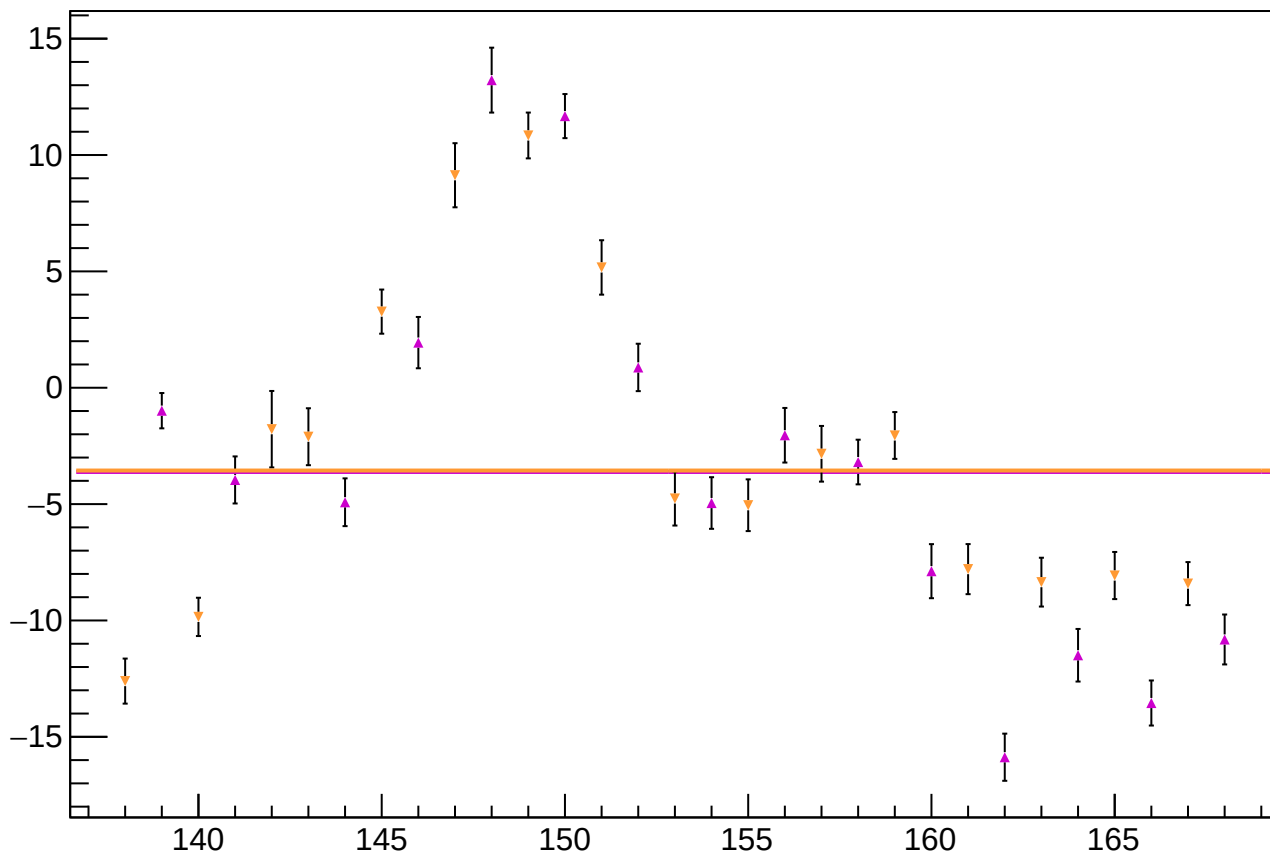
Right: -1.295 ± 0.033 χ^2/NDF : 1555.6/35

In: -0.842 ± 0.020 χ^2/NDF : 1707.0/31

Out: -0.773 ± 0.020 χ^2/NDF : 1676.0/34

All: -0.808 ± 0.014 χ^2/NDF : 3388.7/66

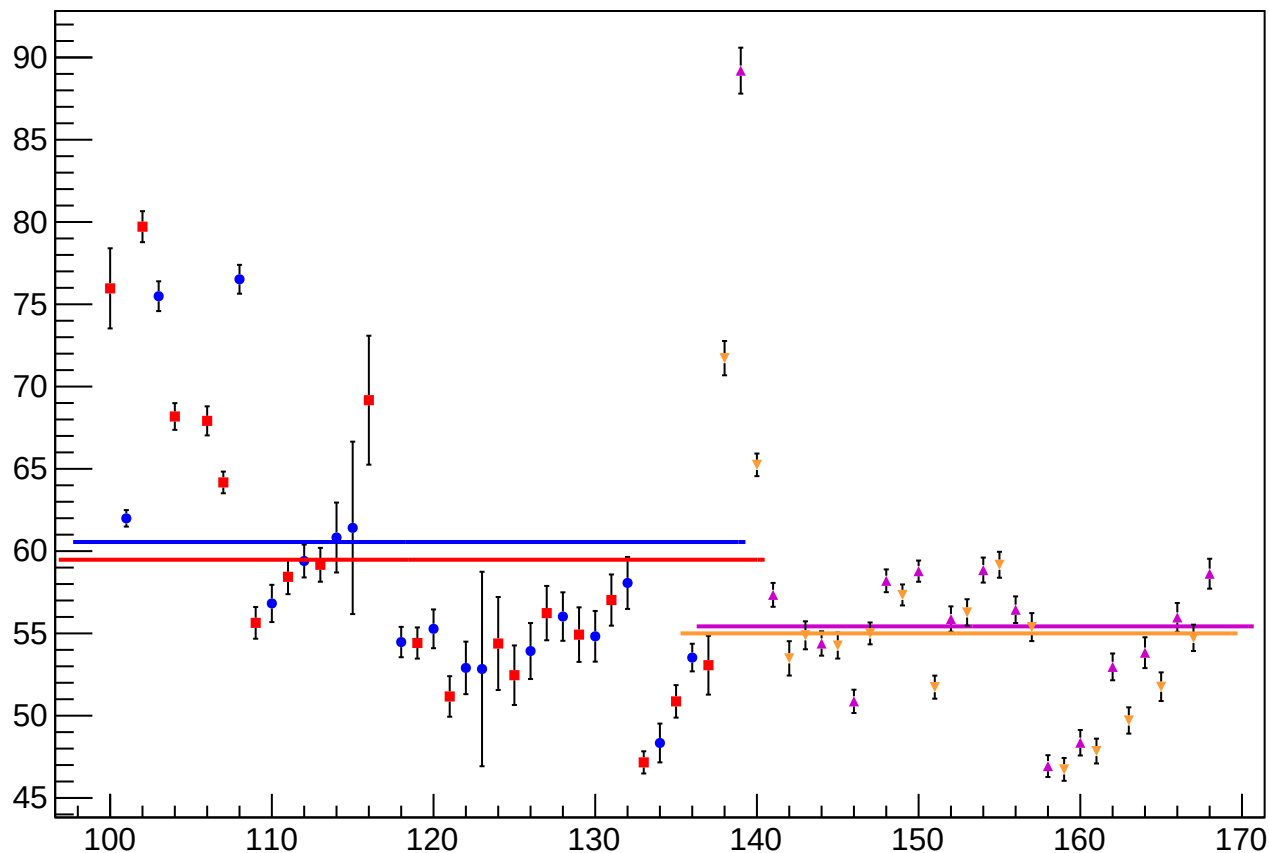
reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -3.558 $\pm$ 0.266 χ^2 /NDF:644.1/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.618 $\pm$ 0.266 χ^2 /NDF:827.0/14

Left: -3.588 $\pm$ 0.188 χ^2 /NDF: 1471.1/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -3.618 $\pm$ 0.266 χ^2 /NDF:827.0/14
 Out: -3.558 $\pm$ 0.266 χ^2 /NDF:644.1/15
 All: -3.588 $\pm$ 0.188 χ^2 /NDF: 1471.1/30

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.554 ± 0.262 $\chi^2/\text{NDF}: 930.8/16$

Left Out: 55.001 ± 0.194 $\chi^2/\text{NDF}: 839.4/15$

Right Out: 59.477 ± 0.248 $\chi^2/\text{NDF}: 1317.0/18$

Left In: 55.427 ± 0.201 $\chi^2/\text{NDF}: 972.9/14$

Left: 55.206 ± 0.140 $\chi^2/\text{NDF}: 1814.6/30$

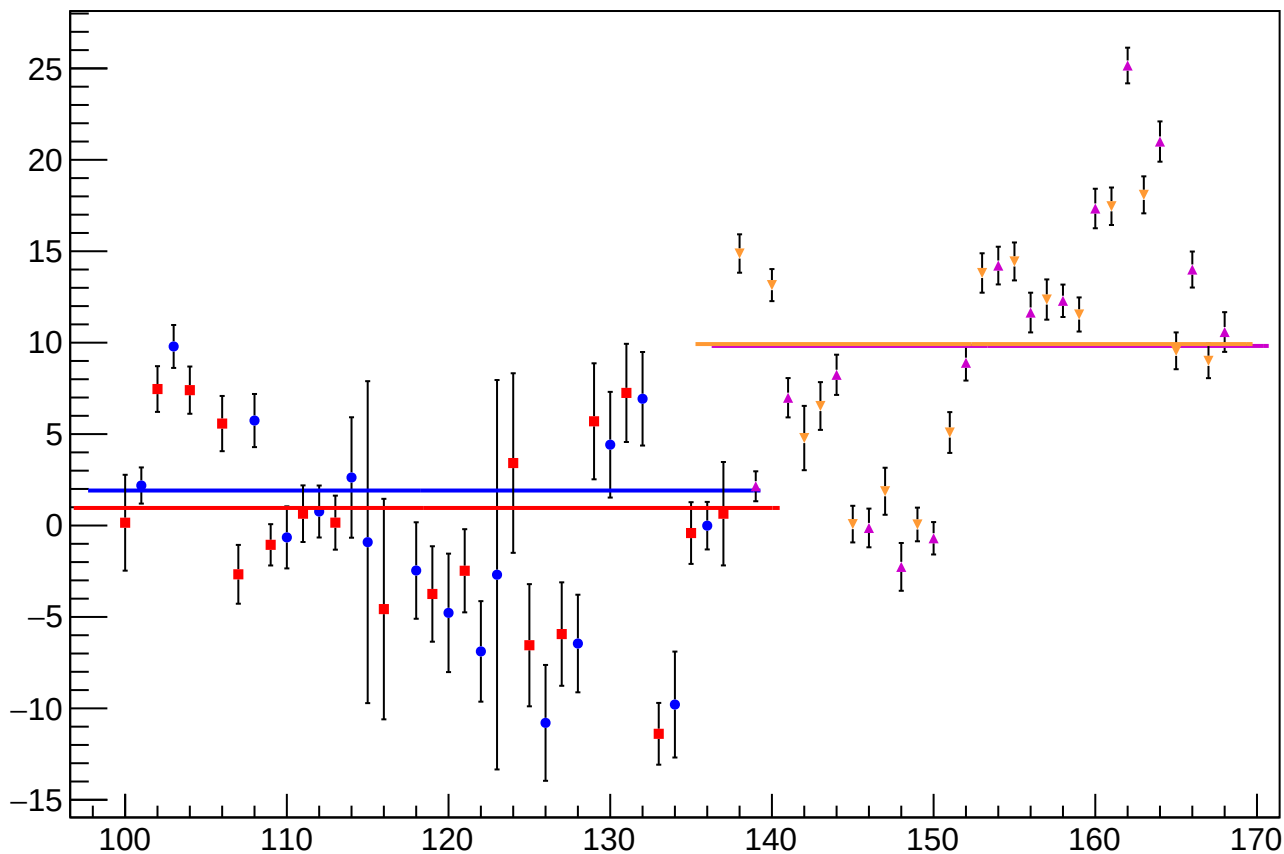
Right: 59.987 ± 0.180 $\chi^2/\text{NDF}: 2256.7/35$

In: 57.329 ± 0.159 $\chi^2/\text{NDF}: 2145.3/31$

Out: 56.702 ± 0.153 $\chi^2/\text{NDF}: 2358.6/34$

All: 57.002 ± 0.110 $\chi^2/\text{NDF}: 4512.0/66$

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.914 ± 0.458 $\chi^2/\text{NDF}: 121.6/16$

Left Out: 9.924 ± 0.263 $\chi^2/\text{NDF}: 480.5/15$

Right Out: 0.960 ± 0.424 $\chi^2/\text{NDF}: 149.5/18$

Left In: 9.822 ± 0.261 $\chi^2/\text{NDF}: 858.4/14$

Left: 9.872 ± 0.185 $\chi^2/\text{NDF}: 1339.0/30$

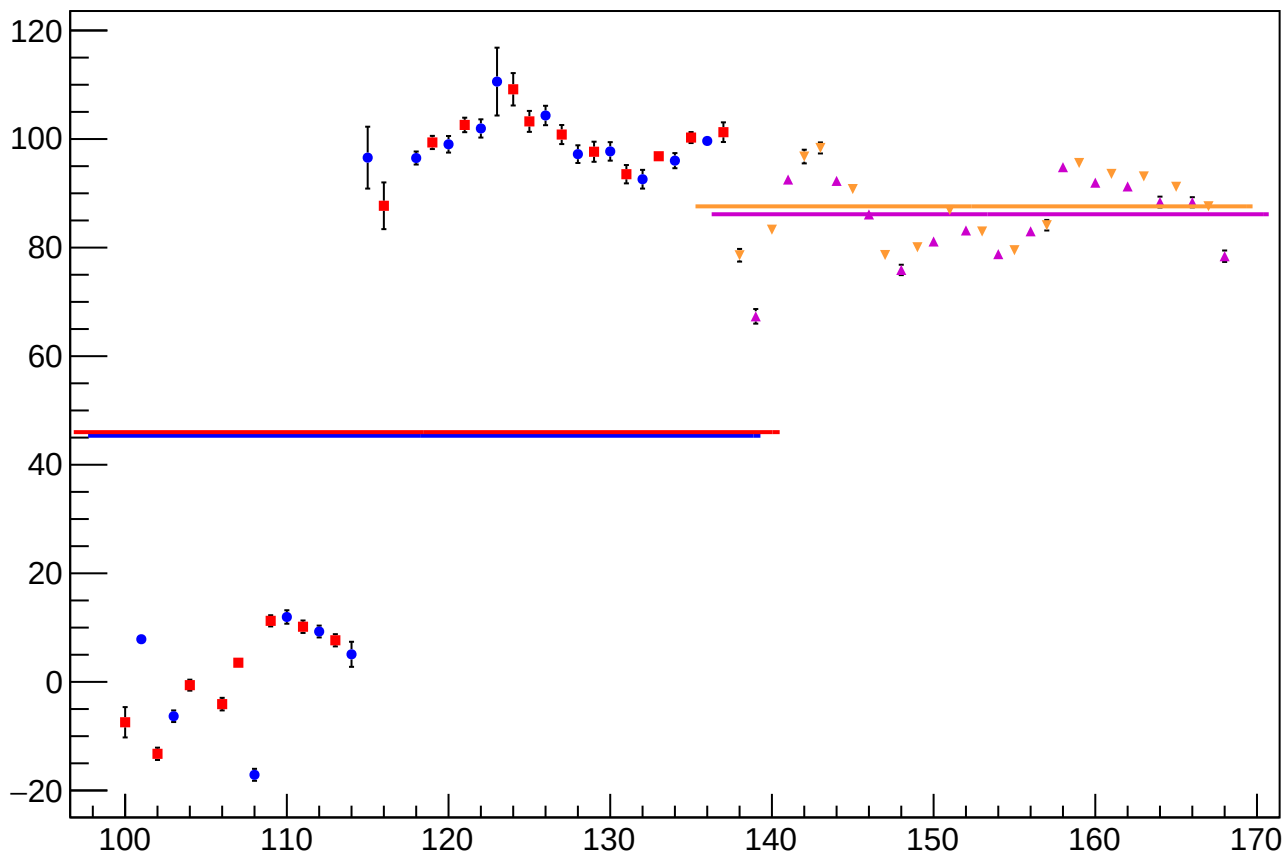
Right: 1.401 ± 0.311 $\chi^2/\text{NDF}: 273.4/35$

In: 7.879 ± 0.227 $\chi^2/\text{NDF}: 1205.2/31$

Out: 7.440 ± 0.223 $\chi^2/\text{NDF}: 952.7/34$

All: 7.656 ± 0.159 $\chi^2/\text{NDF}: 2159.8/66$

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.344 $\pm$ 0.303 χ^2 /NDF: 25071.0/16

Left Out: 87.597 $\pm$ 0.223 χ^2 /NDF:811.3/15

Right Out: 46.007 $\pm$ 0.289 χ^2 /NDF: 28219.9/18

Left In: 86.143 $\pm$ 0.229 χ^2 /NDF:854.8/14

Left: 86.889 $\pm$ 0.160 χ^2 /NDF: 1686.7/30

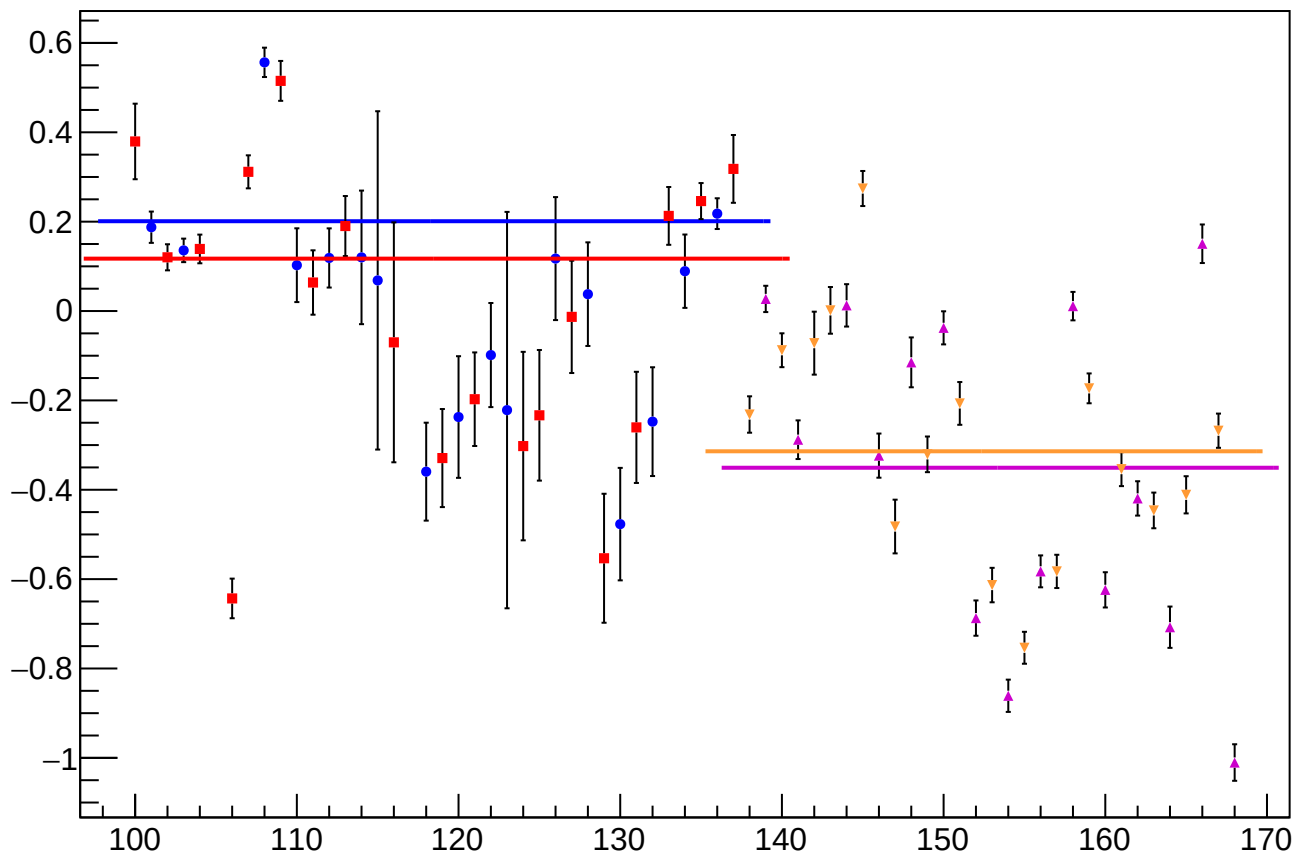
Right: 45.691 $\pm$ 0.209 χ^2 /NDF: 53293.4/35

In: 71.287 $\pm$ 0.183 χ^2 /NDF:37436.8/31

Out: 72.073 $\pm$ 0.177 χ^2 /NDF:41969.0/34

All: 71.693 $\pm$ 0.127 χ^2 /NDF: 79415.3/66

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.014 χ^2/NDF : 217.8/16

Left Out: -0.314 ± 0.010 χ^2/NDF : 626.1/15

Right Out: 0.117 ± 0.013 χ^2/NDF : 500.1/18

Left In: -0.351 ± 0.010 χ^2/NDF : 1264.9/14

Left: -0.332 ± 0.007 χ^2/NDF : 1897.6/30

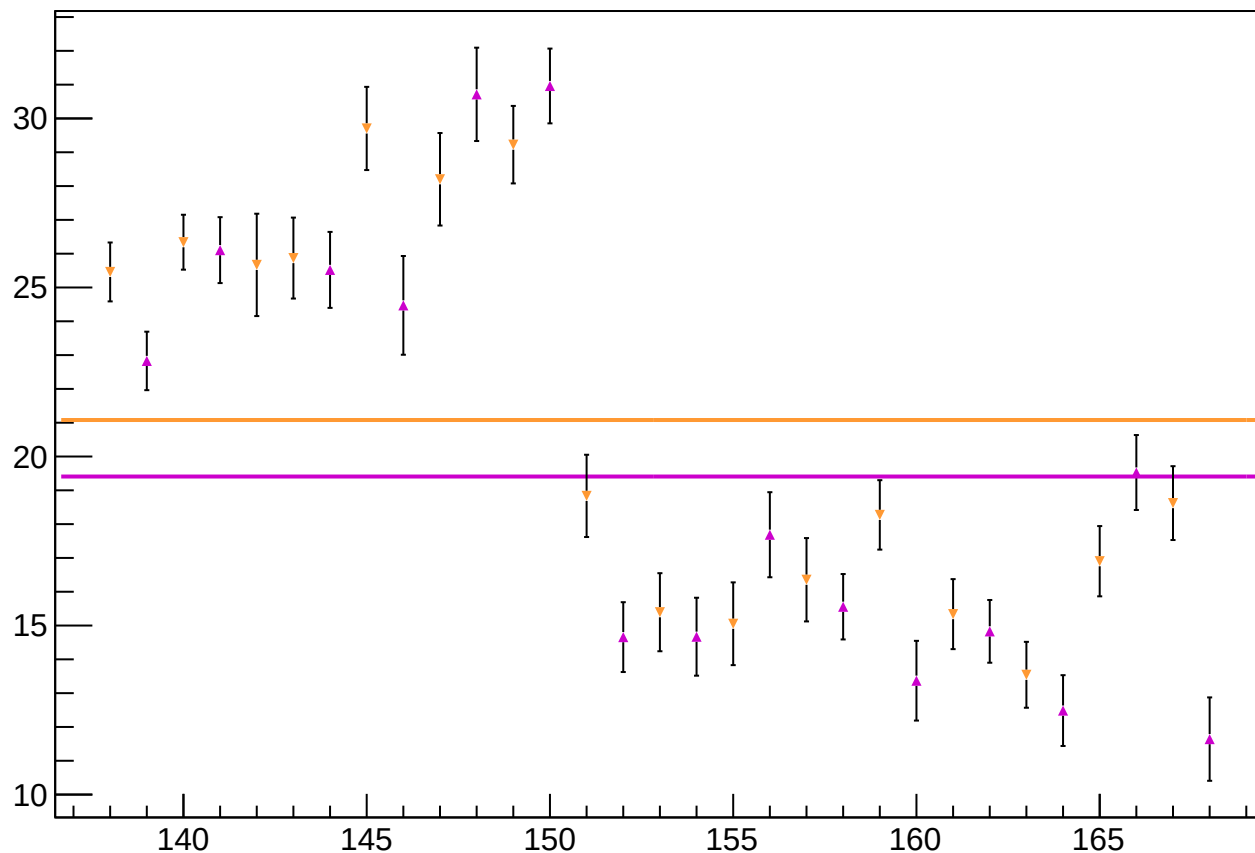
Right: 0.156 ± 0.010 χ^2/NDF : 737.1/35

In: -0.161 ± 0.008 χ^2/NDF : 2497.1/31

Out: -0.149 ± 0.008 χ^2/NDF : 1803.2/34

All: -0.155 ± 0.006 χ^2/NDF : 4301.5/66

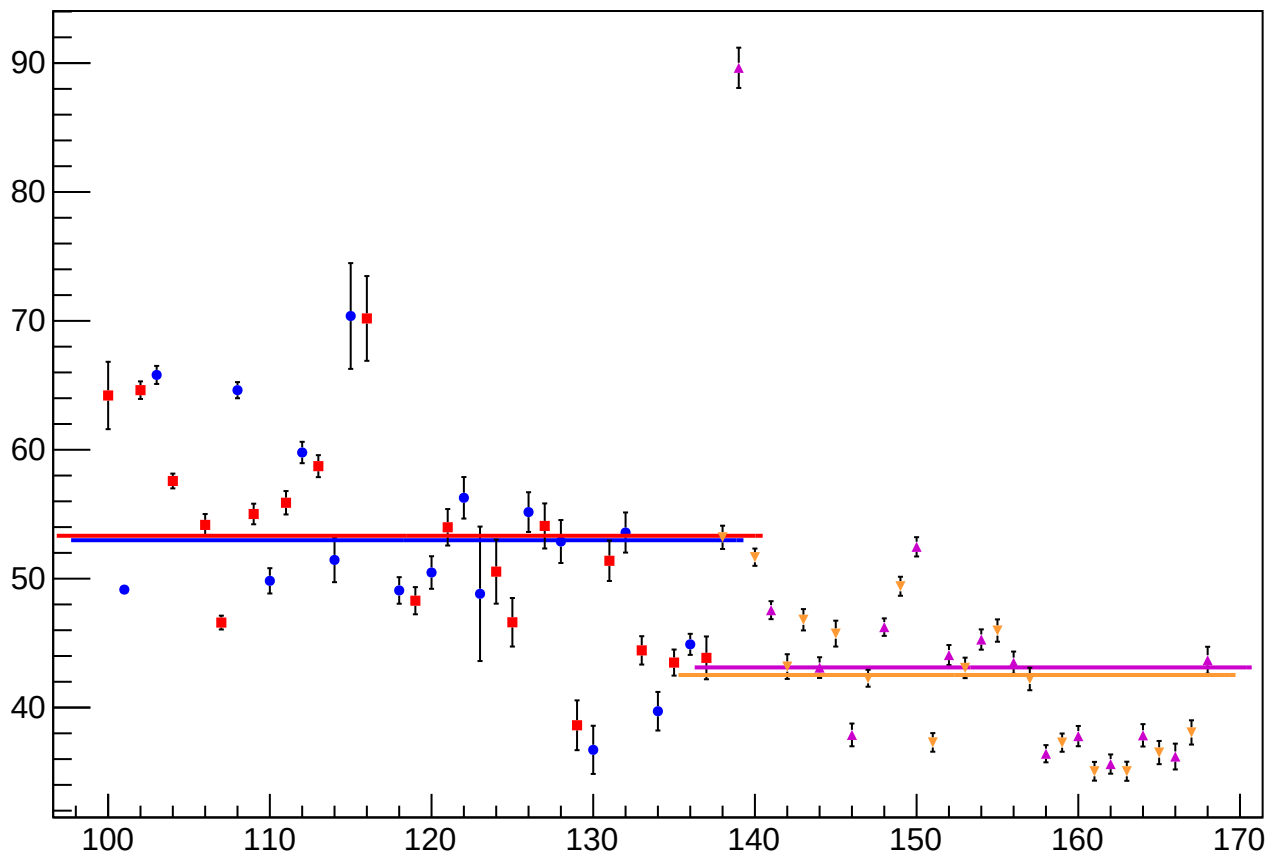
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 21.080 $\pm$ 0.273 χ^2 /NDF:404.9/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 19.408 $\pm$ 0.281 χ^2 /NDF:470.4/14

Left: 20.267 $\pm$ 0.196 χ^2 /NDF: 893.4/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 19.408 $\pm$ 0.281 χ^2 /NDF:470.4/14
 Out: 21.080 $\pm$ 0.273 χ^2 /NDF:404.9/15
 All: 20.267 $\pm$ 0.196 χ^2 /NDF: 893.4/30

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.981 ± 0.210 $\chi^2/\text{NDF}: 1197.8/16$

Left Out: 42.526 ± 0.199 $\chi^2/\text{NDF}: 848.5/15$

Right Out: 53.328 ± 0.227 $\chi^2/\text{NDF}: 872.7/18$

Left In: 43.113 ± 0.210 $\chi^2/\text{NDF}: 1480.3/14$

Left: 42.804 ± 0.144 $\chi^2/\text{NDF}: 2333.0/30$

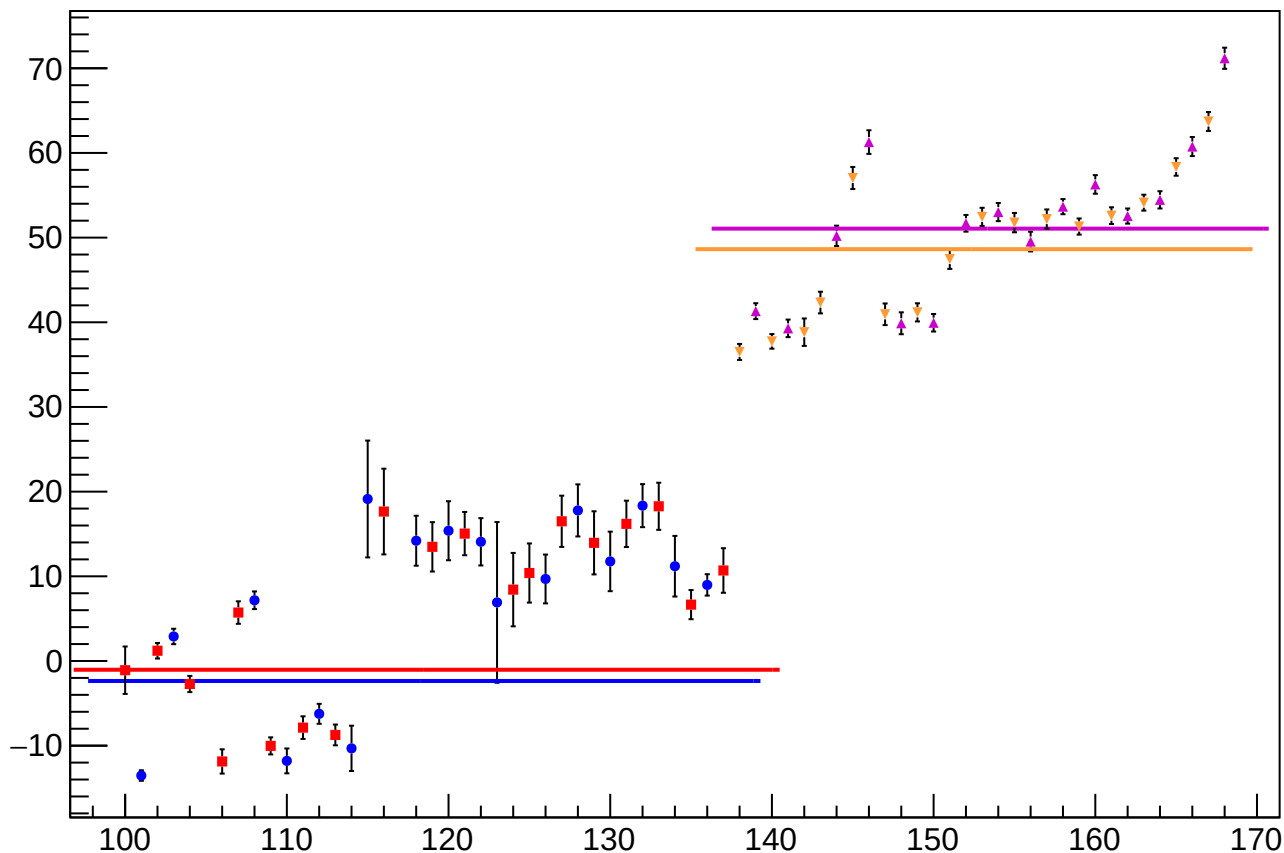
Right: 53.141 ± 0.154 $\chi^2/\text{NDF}: 2071.7/35$

In: 48.035 ± 0.148 $\chi^2/\text{NDF}: 3783.1/31$

Out: 47.215 ± 0.149 $\chi^2/\text{NDF}: 3006.1/34$

All: 47.628 ± 0.105 $\chi^2/\text{NDF}: 6804.3/66$

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.361 ± 0.364 χ^2/NDF : 840.8/16

Left Out: 48.635 ± 0.271 χ^2/NDF : 870.0/15

Right Out: -1.035 ± 0.377 χ^2/NDF : 507.7/18

Left In: 51.060 ± 0.276 χ^2/NDF : 865.7/14

Left: 49.825 ± 0.193 χ^2/NDF : 1775.2/30

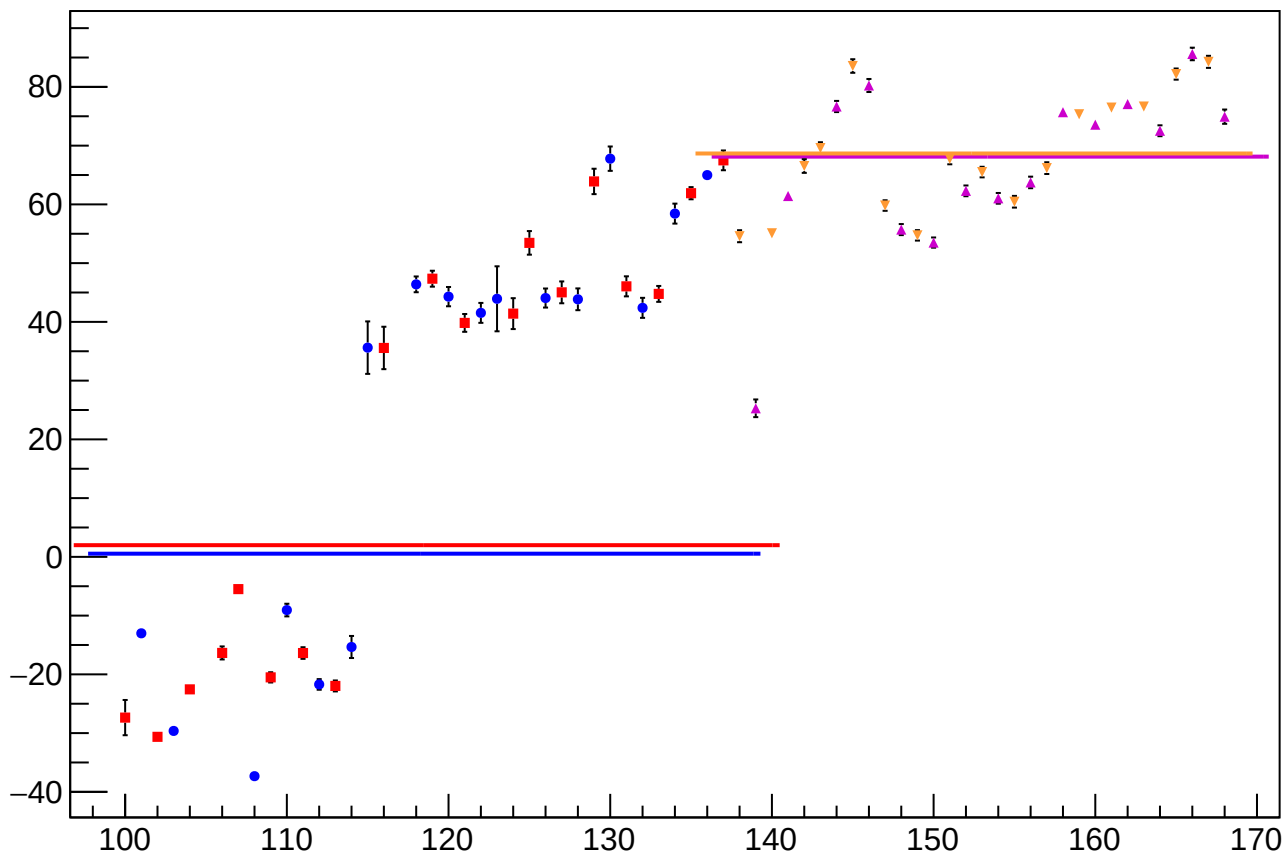
Right: -1.721 ± 0.262 χ^2/NDF : 1355.0/35

In: 31.583 ± 0.220 χ^2/NDF : 15406.3/31

Out: 31.748 ± 0.220 χ^2/NDF : 12840.0/34

All: 31.665 ± 0.155 χ^2/NDF : 28246.6/66

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.541 ± 0.247 χ^2/NDF : 18423.8/16

Left Out: 68.663 ± 0.229 χ^2/NDF : 1791.8/15

Right Out: 1.990 ± 0.267 χ^2/NDF : 15476.7/18

Left In: 68.131 ± 0.239 χ^2/NDF : 2262.9/14

Left: 68.409 ± 0.166 χ^2/NDF : 4057.3/30

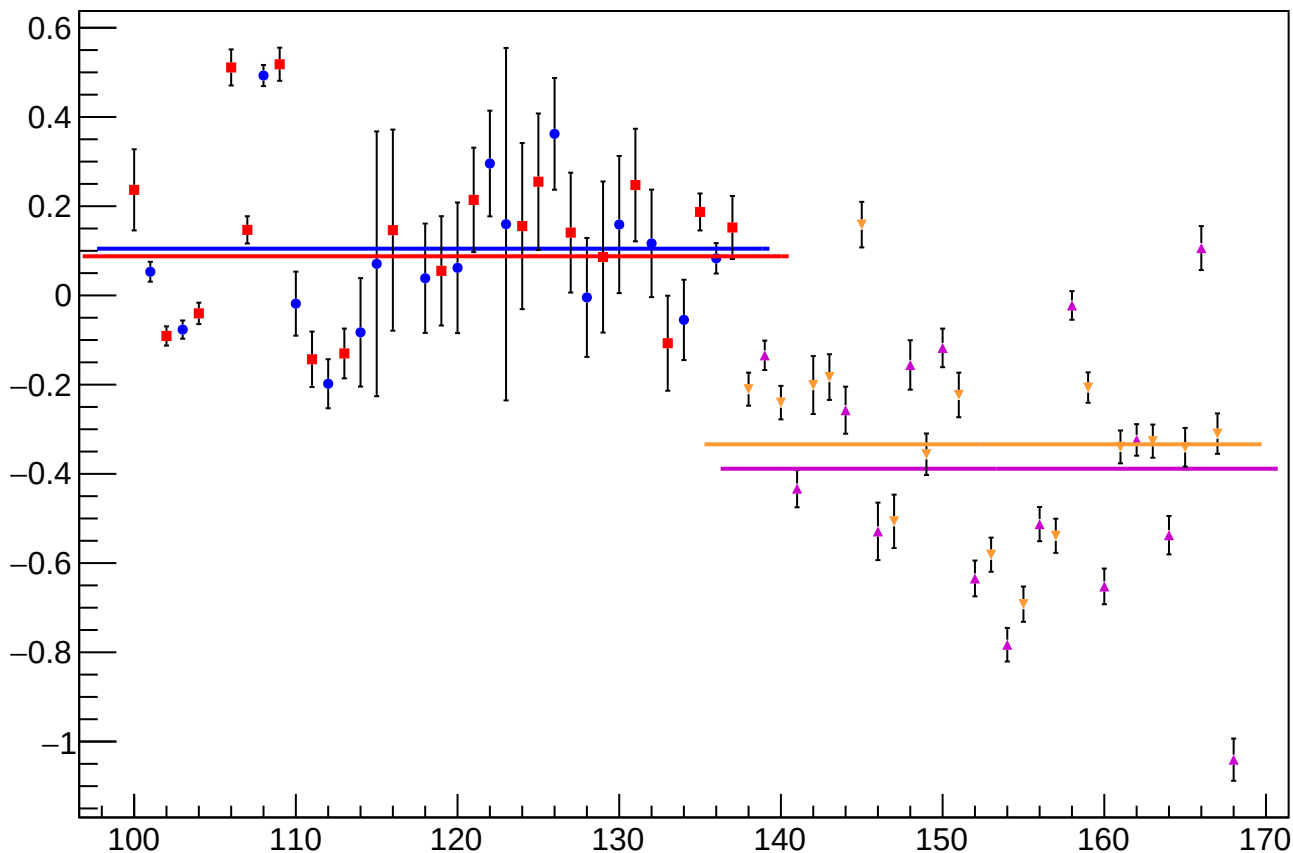
Right: 1.210 ± 0.181 χ^2/NDF : 33916.4/35

In: 35.346 ± 0.172 χ^2/NDF : 59338.1/31

Out: 40.344 ± 0.174 χ^2/NDF : 53269.1/34

All: 37.818 ± 0.122 χ^2/NDF : 113025.6/66

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.7/16$

Left Out: -0.334 ± 0.011 $\chi^2/\text{NDF}: 303.3/15$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 391.0/18$

Left In: -0.389 ± 0.011 $\chi^2/\text{NDF}: 765.5/14$

Left: -0.361 ± 0.008 $\chi^2/\text{NDF}: 1082.1/30$

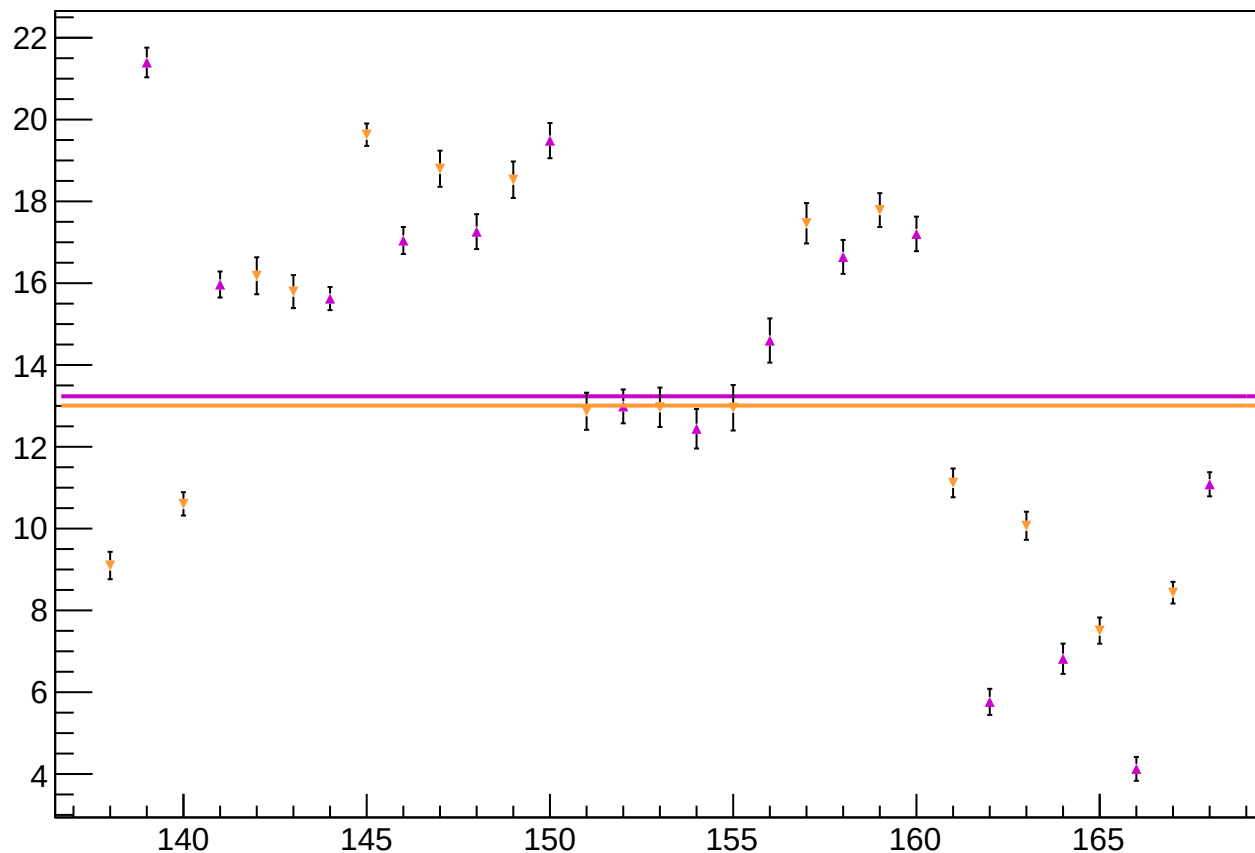
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.9/35$

In: -0.150 ± 0.008 $\chi^2/\text{NDF}: 2197.5/31$

Out: -0.131 ± 0.008 $\chi^2/\text{NDF}: 1456.2/34$

All: -0.140 ± 0.005 $\chi^2/\text{NDF}: 3656.6/66$

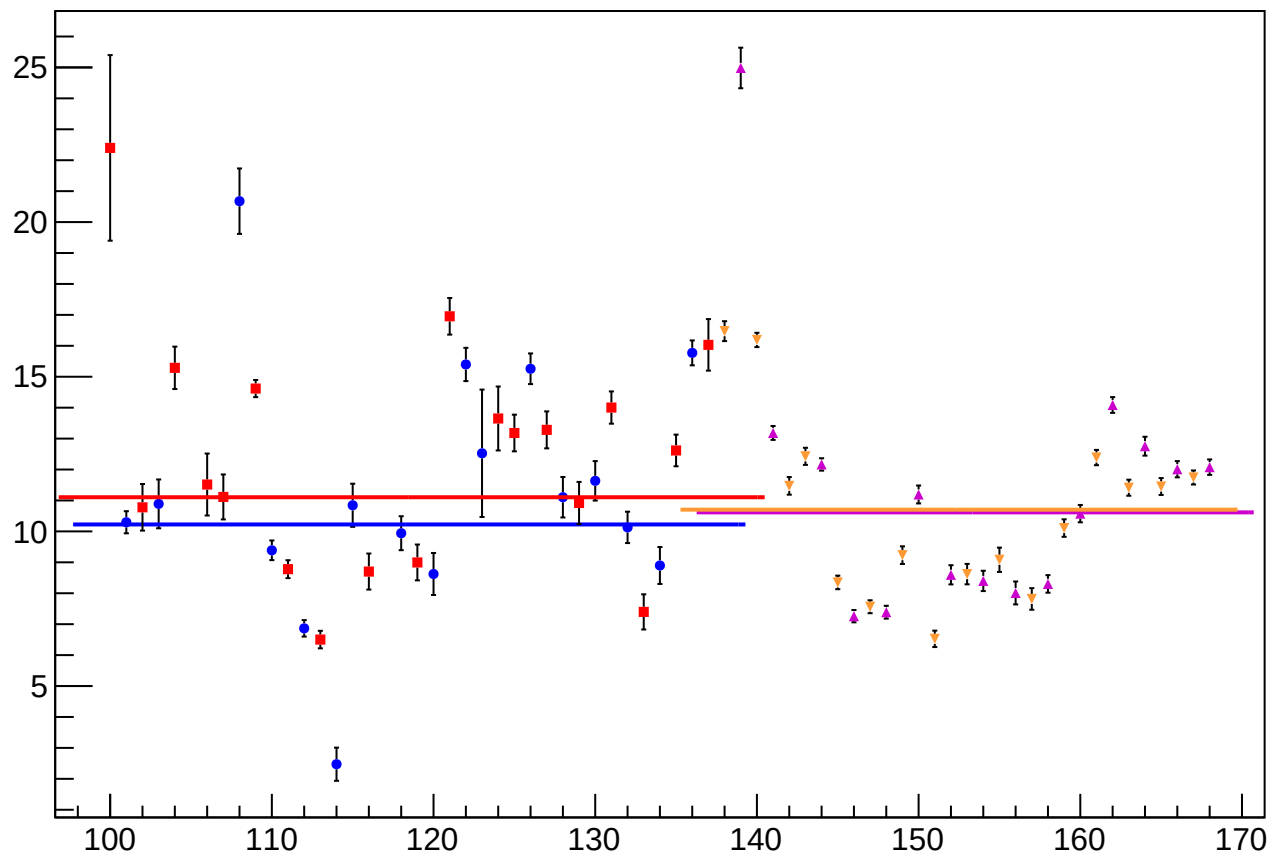
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 13.008 $\pm$ 0.092 χ^2/NDF :2122.2/15
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 13.234 $\pm$ 0.093 χ^2/NDF :3131.3/14

Left: 13.120 $\pm$ 0.065 χ^2/NDF : 5256.5/30
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 13.234 $\pm$ 0.093 χ^2/NDF :3131.3/14
 Out: 13.008 $\pm$ 0.092 χ^2/NDF :2122.2/15
 All: 13.120 $\pm$ 0.065 χ^2/NDF : 5256.5/30

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.224 ± 0.119 χ^2/NDF : 877.6/16

Left Out: 10.702 ± 0.067 χ^2/NDF : 1755.2/15

Right Out: 11.104 ± 0.116 χ^2/NDF : 817.2/18

Left In: 10.615 ± 0.068 χ^2/NDF : 1700.4/14

Left: 10.660 ± 0.048 χ^2/NDF : 3456.5/30

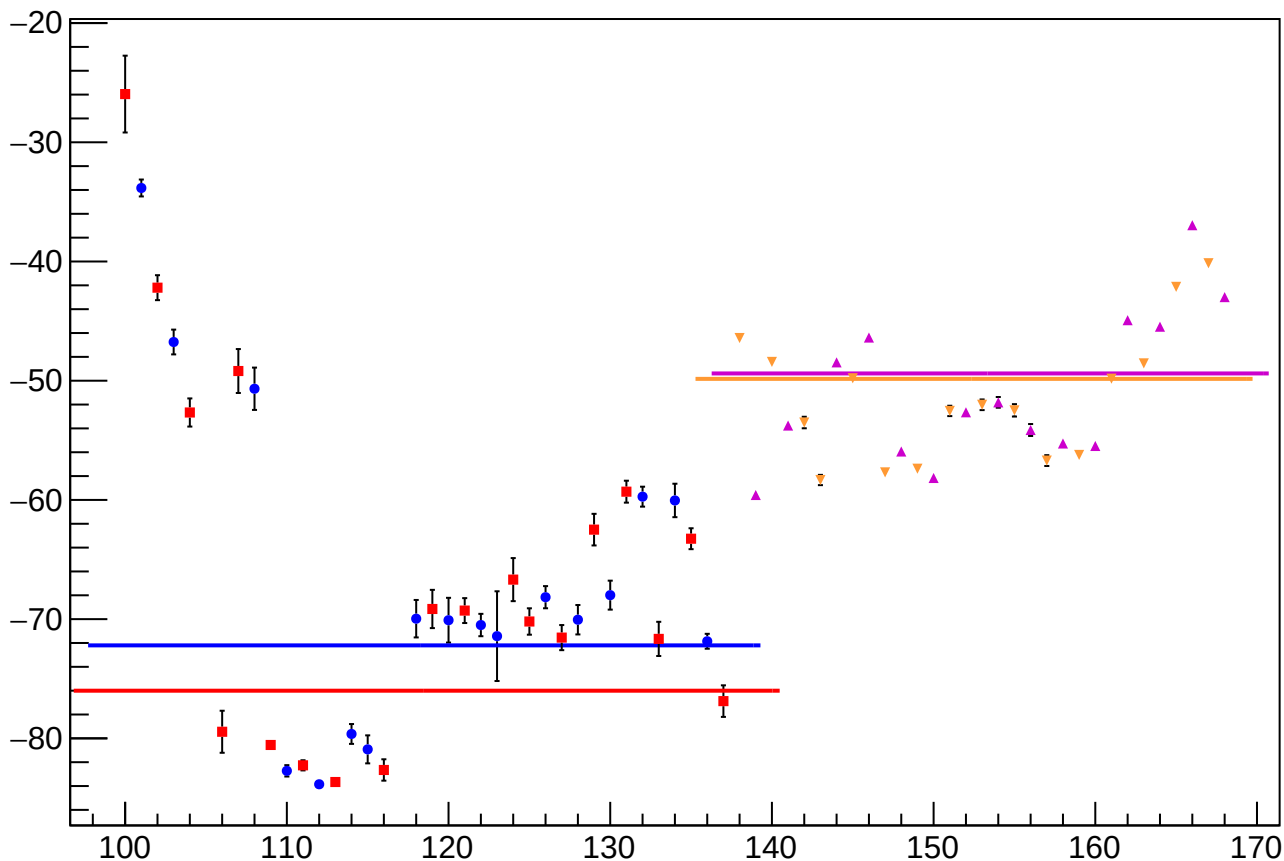
Right: 10.673 ± 0.083 χ^2/NDF : 1722.7/35

In: 10.519 ± 0.059 χ^2/NDF : 2586.2/31

Out: 10.802 ± 0.058 χ^2/NDF : 2581.4/34

All: 10.663 ± 0.041 χ^2/NDF : 5179.3/66

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.201 ± 0.198 χ^2/NDF : 5566.9/16

Left Out: -49.845 ± 0.092 χ^2/NDF : 3716.5/15

Right Out: -76.003 ± 0.181 χ^2/NDF : 3465.4/18

Left In: -49.390 ± 0.092 χ^2/NDF : 4900.1/14

Left: -49.618 ± 0.065 χ^2/NDF : 8628.9/30

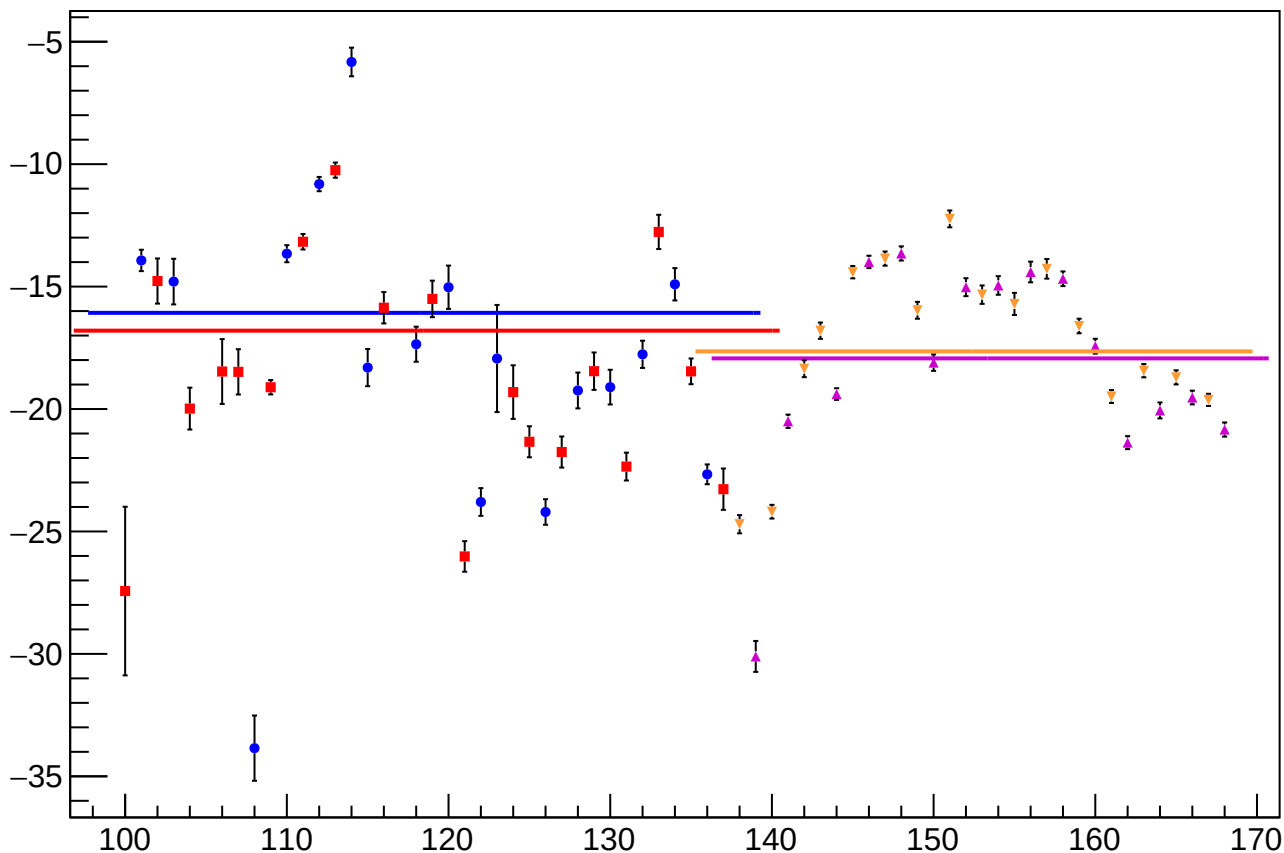
Right: -74.270 ± 0.133 χ^2/NDF : 9233.6/35

In: -53.450 ± 0.083 χ^2/NDF : 21411.1/31

Out: -55.210 ± 0.082 χ^2/NDF : 23795.6/34

All: -54.346 ± 0.058 χ^2/NDF : 45433.3/66

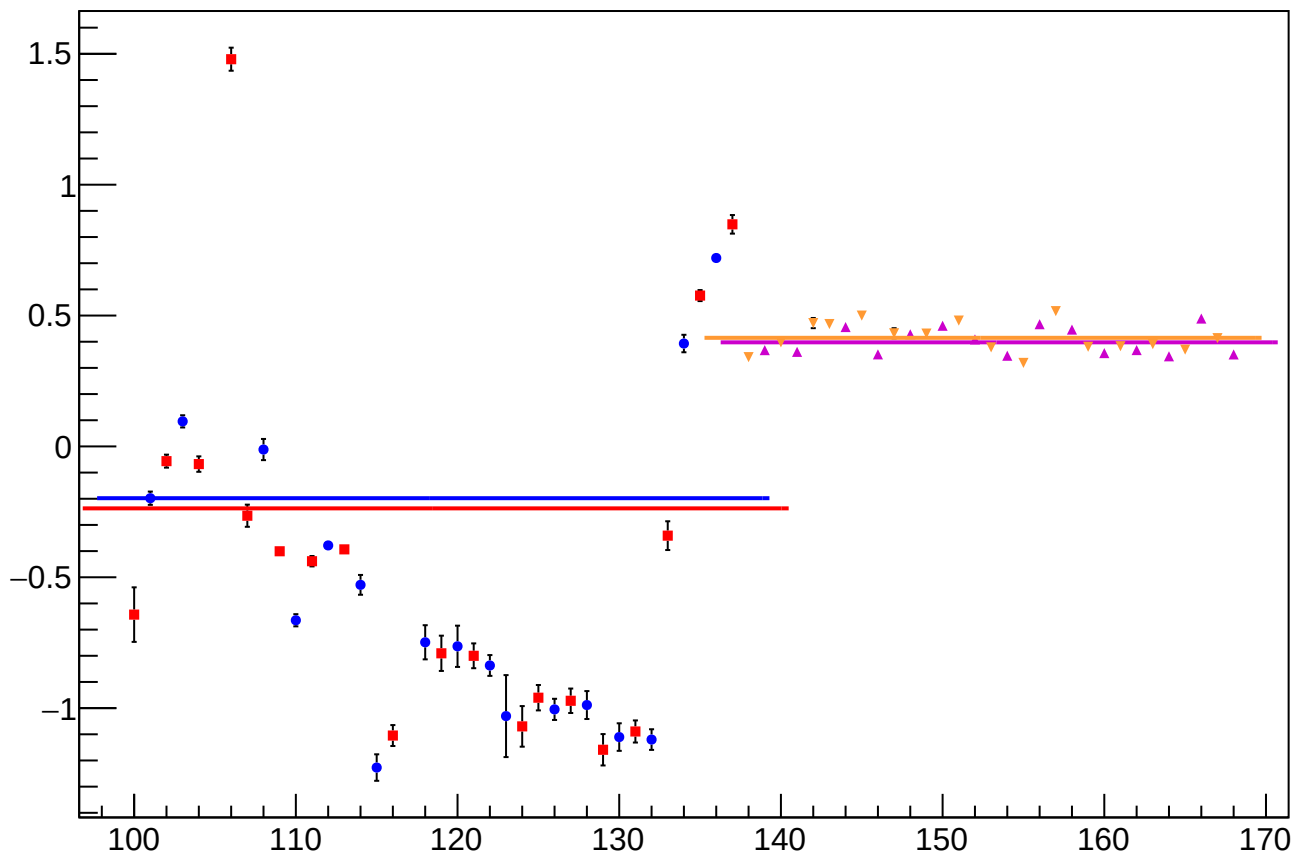
reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.072 ± 0.132 $\chi^2/\text{NDF}: 1640.9/16$
 Left Out: -17.647 ± 0.077 $\chi^2/\text{NDF}: 1795.6/15$
 Right Out: -16.799 ± 0.128 $\chi^2/\text{NDF}: 1215.8/18$
 Left In: -17.932 ± 0.079 $\chi^2/\text{NDF}: 1615.6/14$

Left: -17.786 ± 0.055 $\chi^2/\text{NDF}: 3417.9/30$
 Right: -16.447 ± 0.092 $\chi^2/\text{NDF}: 2872.2/35$
 In: -17.442 ± 0.068 $\chi^2/\text{NDF}: 3402.4/31$
 Out: -17.420 ± 0.066 $\chi^2/\text{NDF}: 3043.4/34$
 All: -17.431 ± 0.047 $\chi^2/\text{NDF}: 6445.9/66$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.198 ± 0.008 χ^2/NDF : 6338.8/16

Left Out: 0.415 ± 0.004 χ^2/NDF : 220.1/15

Right Out: -0.237 ± 0.007 χ^2/NDF : 6221.9/18

Left In: 0.398 ± 0.004 χ^2/NDF : 192.0/14

Left: 0.406 ± 0.003 χ^2/NDF : 423.3/30

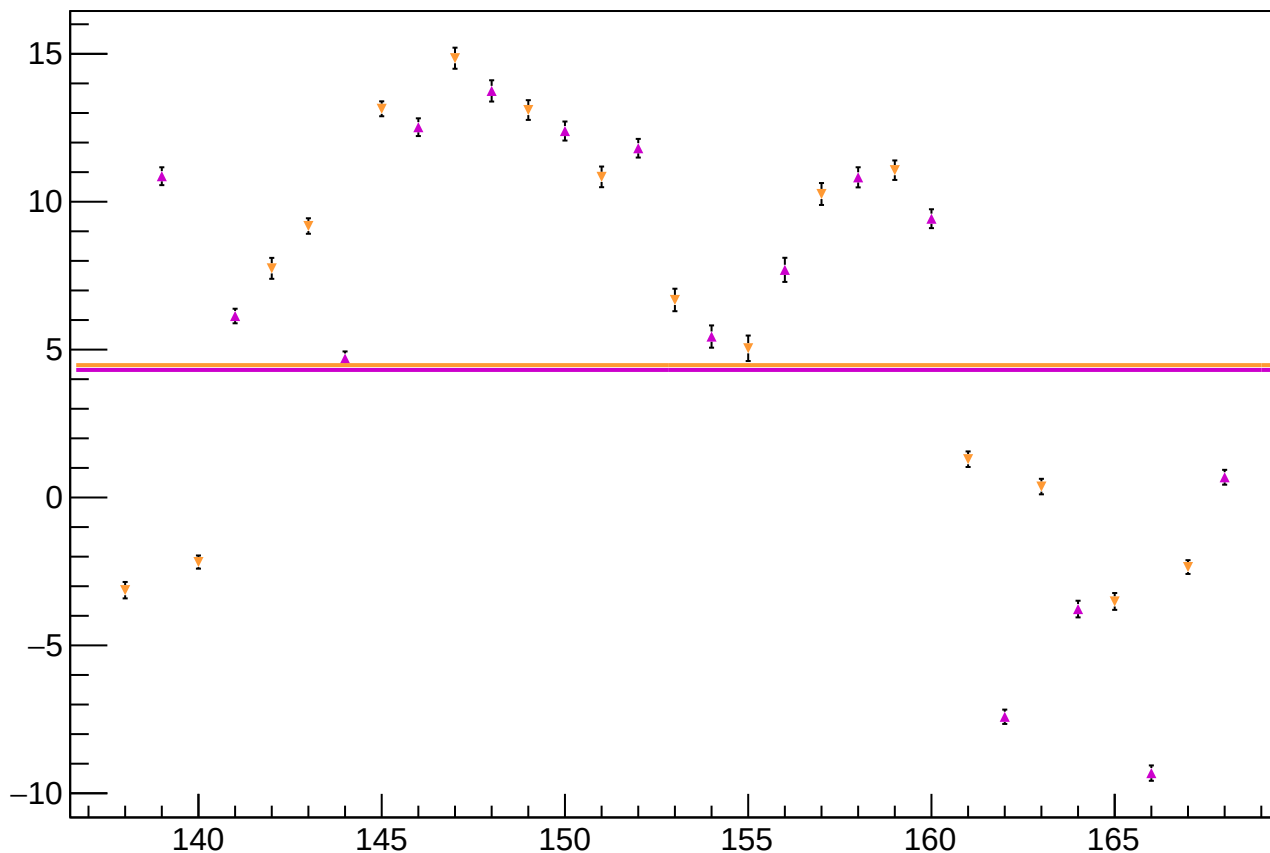
Right: -0.218 ± 0.005 χ^2/NDF : 12574.6/35

In: 0.284 ± 0.003 χ^2/NDF : 11582.0/31

Out: 0.281 ± 0.003 χ^2/NDF : 13007.2/34

All: 0.283 ± 0.002 χ^2/NDF : 24589.5/66

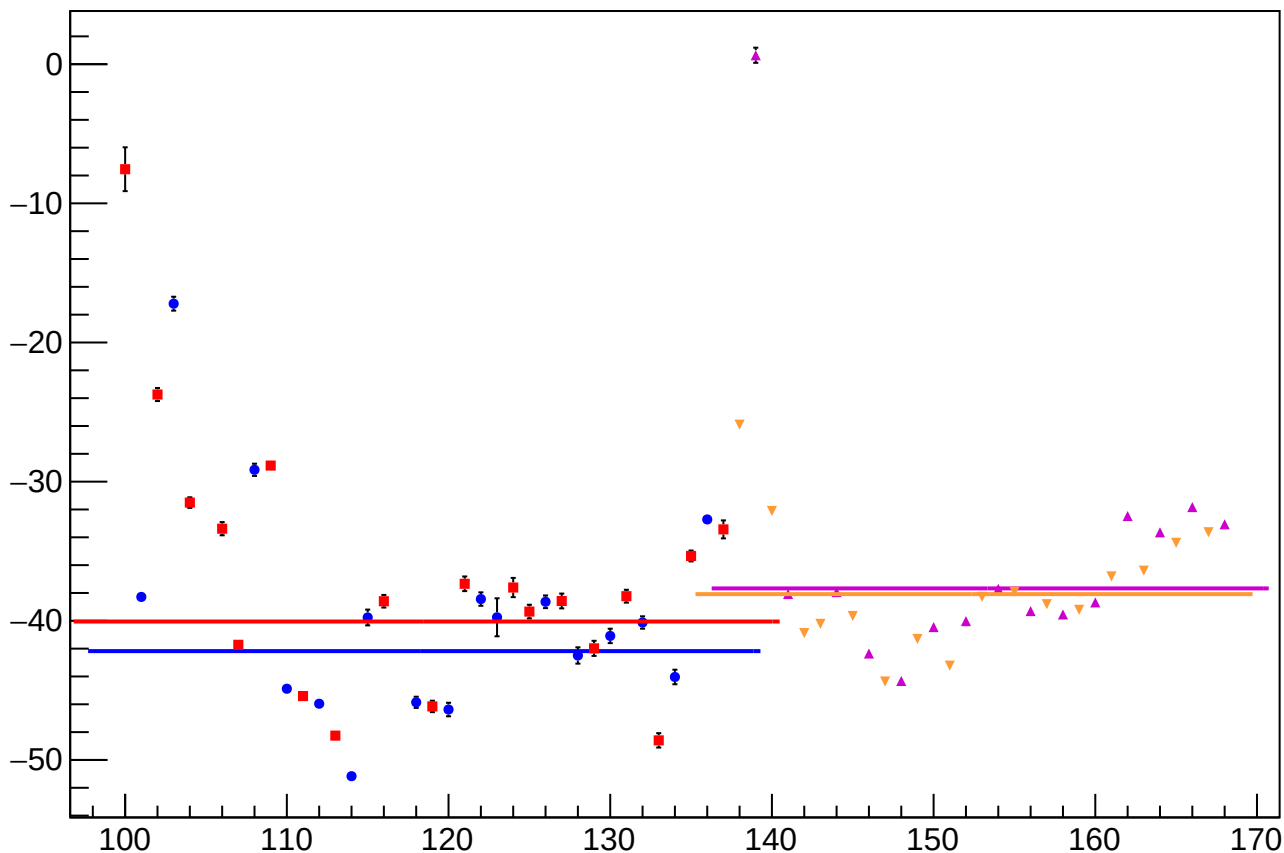
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.476 $\pm$ 0.074 χ^2 /NDF:7796.6/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.313 $\pm$ 0.076 χ^2 /NDF:9989.6/14

Left: 4.397 $\pm$ 0.053 χ^2 /NDF: 17788.6/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.313 $\pm$ 0.076 χ^2 /NDF:9989.6/14
 Out: 4.476 $\pm$ 0.074 χ^2 /NDF:7796.6/15
 All: 4.397 $\pm$ 0.053 χ^2 /NDF: 17788.6/30

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.179 ± 0.078 $\chi^2/\text{NDF}: 6573.8/16$

Left Out: -38.083 ± 0.053 $\chi^2/\text{NDF}: 6585.0/15$

Right Out: -40.052 ± 0.073 $\chi^2/\text{NDF}: 11313.5/18$

Left In: -37.672 ± 0.056 $\chi^2/\text{NDF}: 9511.4/14$

Left: -37.887 ± 0.038 $\chi^2/\text{NDF}: 16125.0/30$

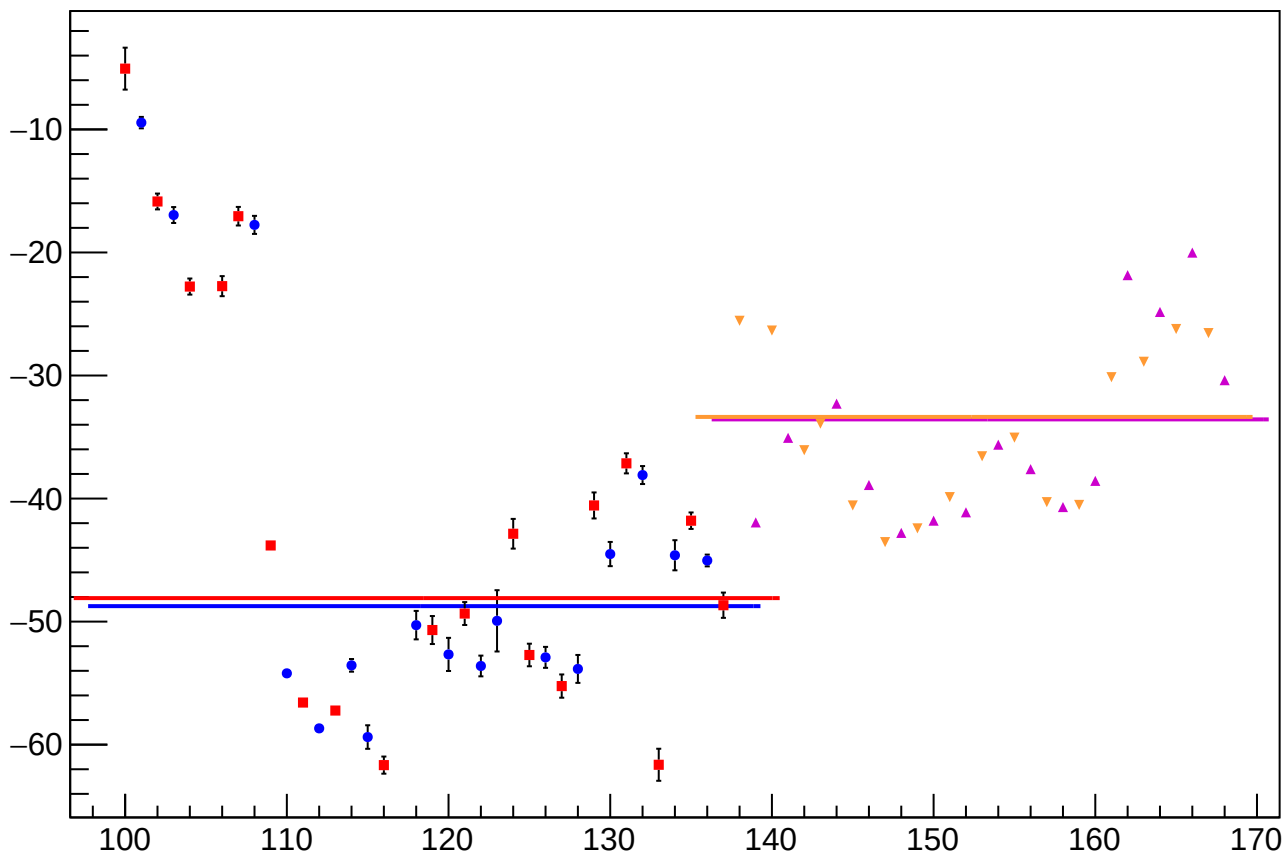
Right: -41.045 ± 0.053 $\chi^2/\text{NDF}: 18285.9/35$

In: -39.194 ± 0.045 $\chi^2/\text{NDF}: 18309.4/31$

Out: -38.767 ± 0.043 $\chi^2/\text{NDF}: 18376.3/34$

All: -38.969 ± 0.031 $\chi^2/\text{NDF}: 36732.6/66$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.743 ± 0.124 $\chi^2/\text{NDF}: 14658.5/16$

Left Out: -33.365 ± 0.073 $\chi^2/\text{NDF}: 7473.7/15$

Right Out: -48.091 ± 0.107 $\chi^2/\text{NDF}: 11731.5/18$

Left In: -33.566 ± 0.075 $\chi^2/\text{NDF}: 10445.4/14$

Left: -33.464 ± 0.052 $\chi^2/\text{NDF}: 17922.8/30$

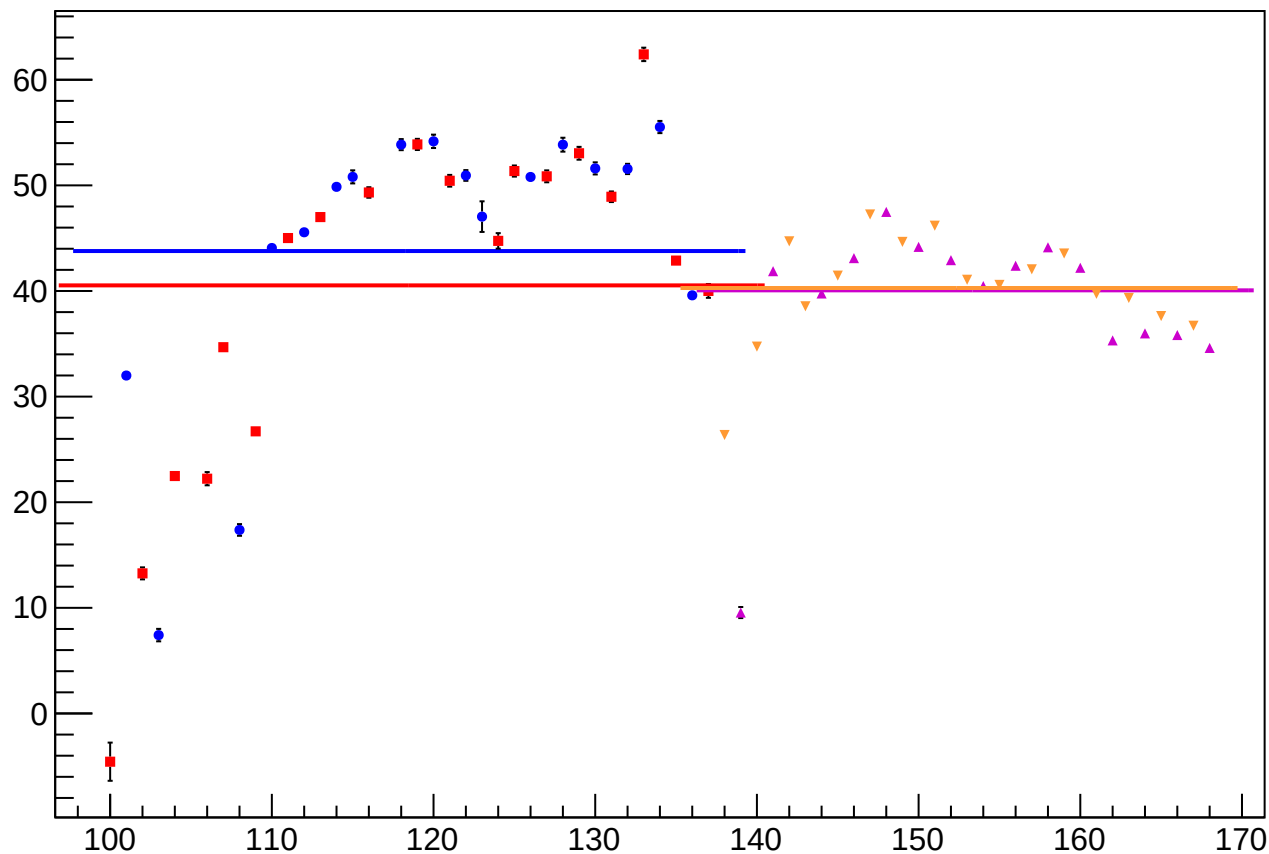
Right: -48.369 ± 0.081 $\chi^2/\text{NDF}: 26405.8/35$

In: -37.574 ± 0.064 $\chi^2/\text{NDF}: 36053.2/31$

Out: -38.063 ± 0.061 $\chi^2/\text{NDF}: 32050.0/34$

All: -37.832 ± 0.044 $\chi^2/\text{NDF}: 68134.1/66$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.782 ± 0.087 $\chi^2/\text{NDF}: 10638.7/16$

Left Out: 40.282 ± 0.062 $\chi^2/\text{NDF}: 5305.6/15$

Right Out: 40.530 ± 0.080 $\chi^2/\text{NDF}: 17580.7/18$

Left In: 40.061 ± 0.064 $\chi^2/\text{NDF}: 6928.8/14$

Left: 40.176 ± 0.044 $\chi^2/\text{NDF}: 12240.5/30$

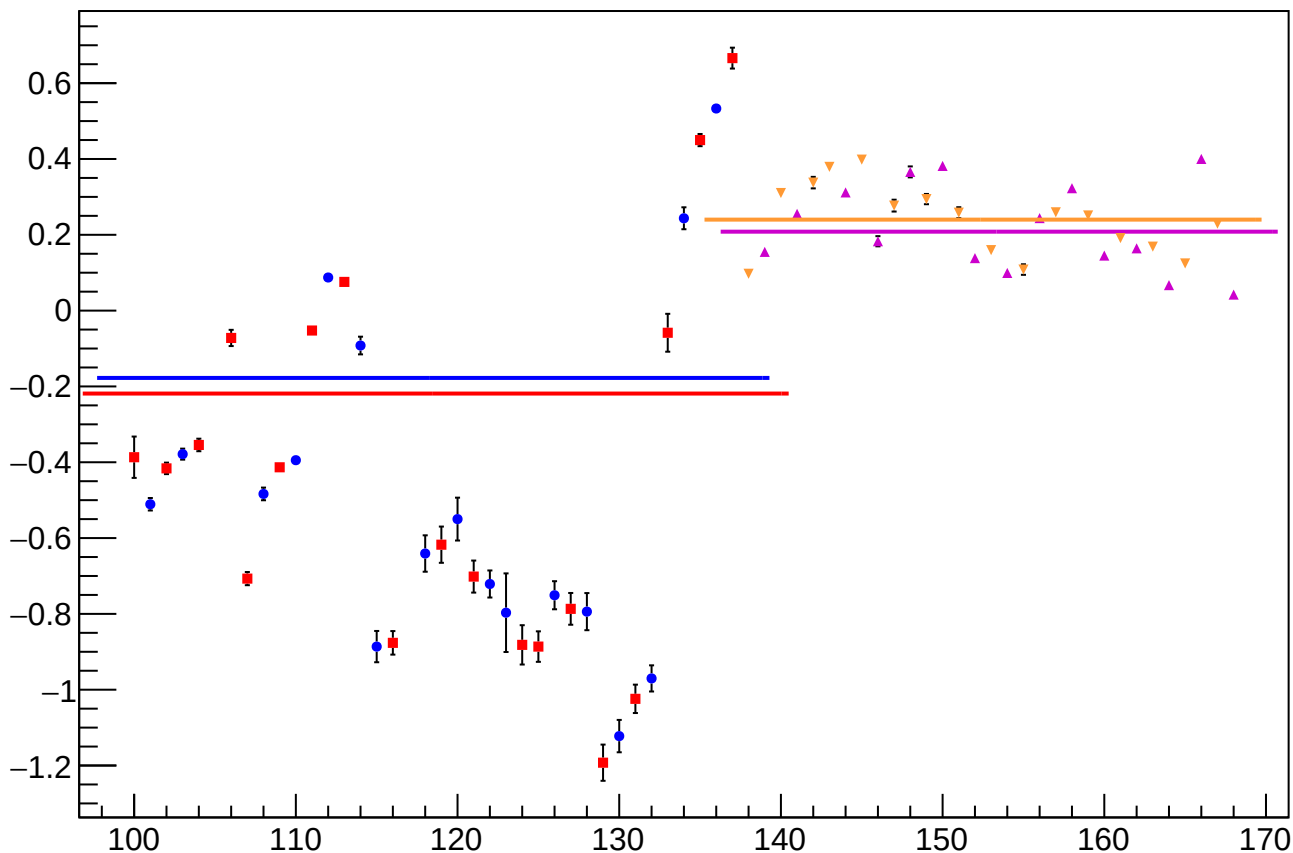
Right: 42.031 ± 0.059 $\chi^2/\text{NDF}: 28978.3/35$

In: 41.378 ± 0.052 $\chi^2/\text{NDF}: 18759.8/31$

Out: 40.374 ± 0.049 $\chi^2/\text{NDF}: 22892.3/34$

All: 40.849 ± 0.035 $\chi^2/\text{NDF}: 41852.1/66$

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.178 ± 0.005 χ^2/NDF : 7375.8/16

Left Out: 0.240 ± 0.003 χ^2/NDF : 941.9/15

Right Out: -0.219 ± 0.004 χ^2/NDF : 7470.0/18

Left In: 0.208 ± 0.003 χ^2/NDF : 1436.0/14

Left: 0.224 ± 0.002 χ^2/NDF : 2436.9/30

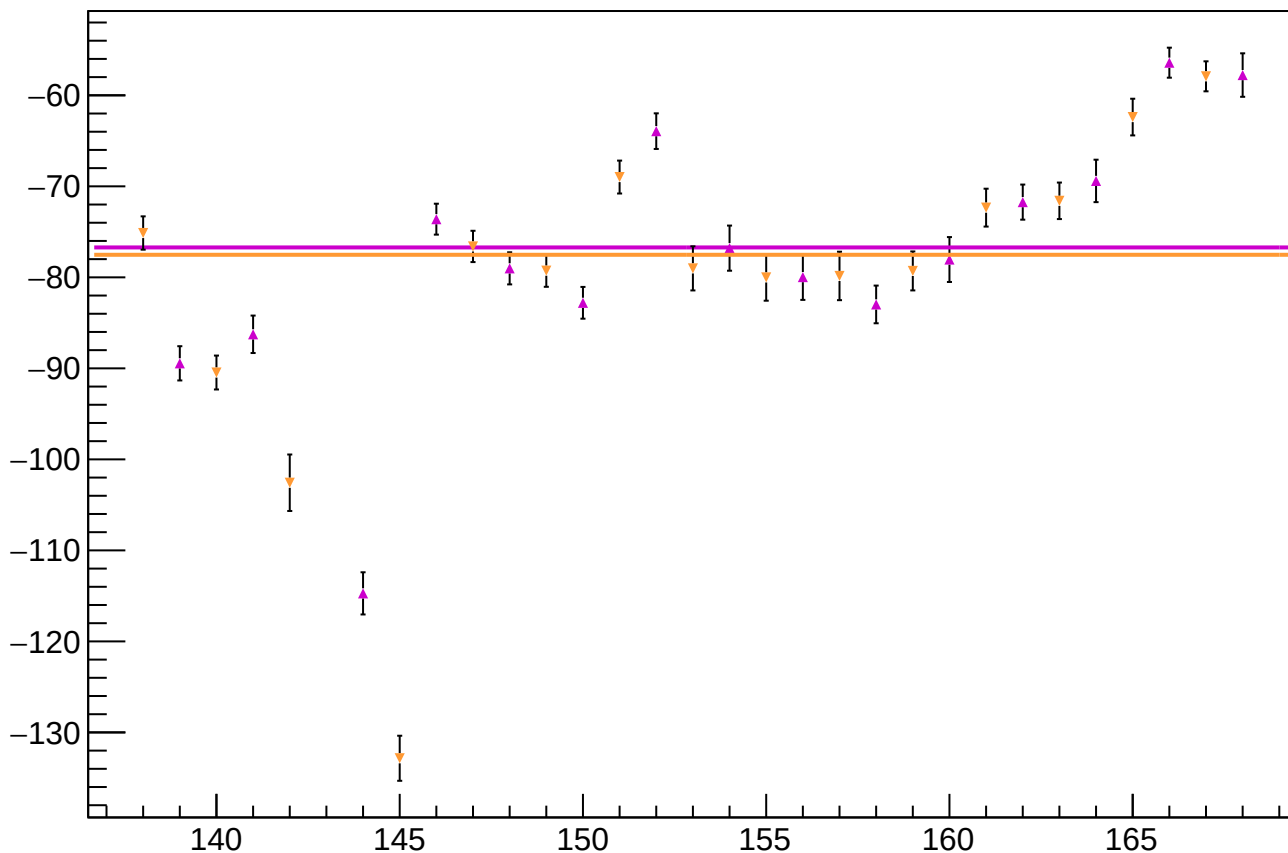
Right: -0.201 ± 0.003 χ^2/NDF : 14886.5/35

In: 0.103 ± 0.003 χ^2/NDF : 13449.3/31

Out: 0.096 ± 0.002 χ^2/NDF : 16229.3/34

All: 0.100 ± 0.002 χ^2/NDF : 29683.0/66

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -77.522+/-0.528 χ^2/NDF : 853.6/14

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -76.714+/-0.521 χ^2/NDF : 638.0/14

Left: -77.113+/-0.371 χ^2/NDF : 1492.8/29

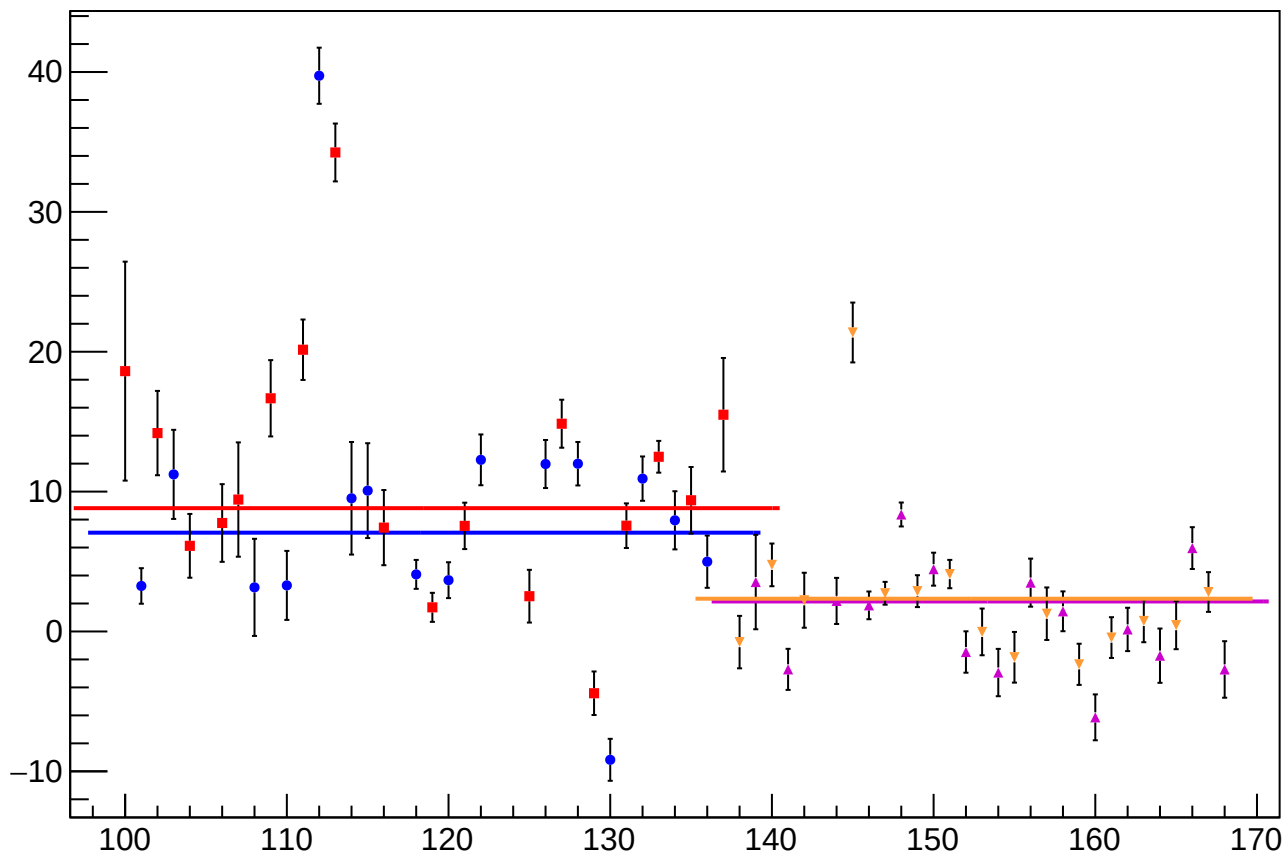
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -76.714+/-0.521 χ^2/NDF : 638.0/14

Out: -77.522+/-0.528 χ^2/NDF : 853.6/14

All: -77.113+/-0.371 χ^2/NDF : 1492.8/29

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.063 ± 0.434 $\chi^2/\text{NDF}: 446.9/15$

Left Out: 2.343 ± 0.363 $\chi^2/\text{NDF}: 111.8/14$

Right Out: 8.816 ± 0.449 $\chi^2/\text{NDF}: 350.4/17$

Left In: 2.146 ± 0.367 $\chi^2/\text{NDF}: 127.1/14$

Left: 2.245 ± 0.258 $\chi^2/\text{NDF}: 239.0/29$

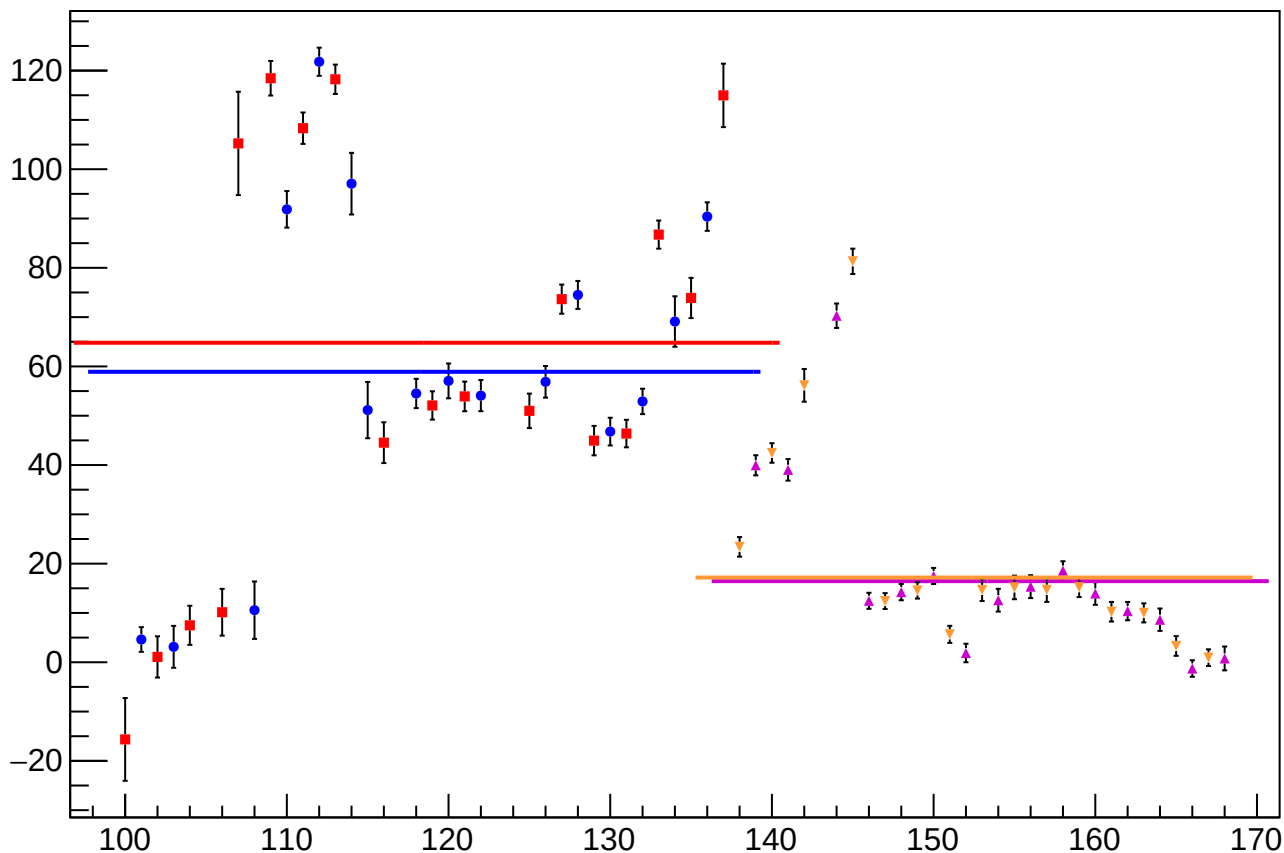
Right: 7.909 ± 0.312 $\chi^2/\text{NDF}: 805.1/33$

In: 4.202 ± 0.280 $\chi^2/\text{NDF}: 648.8/30$

Out: 4.901 ± 0.282 $\chi^2/\text{NDF}: 587.8/32$

All: 4.549 ± 0.199 $\chi^2/\text{NDF}: 1239.7/63$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.913 $\pm$ 0.831 χ^2 /NDF: 1496.7/15

Left Out: 17.180 $\pm$ 0.516 χ^2 /NDF:1159.6/14

Right Out: 64.803 $\pm$ 0.840 χ^2 /NDF: 1718.2/17

Left In: 16.450 $\pm$ 0.509 χ^2 /NDF:961.1/14

Left: 16.810 $\pm$ 0.362 χ^2 /NDF: 2121.7/29

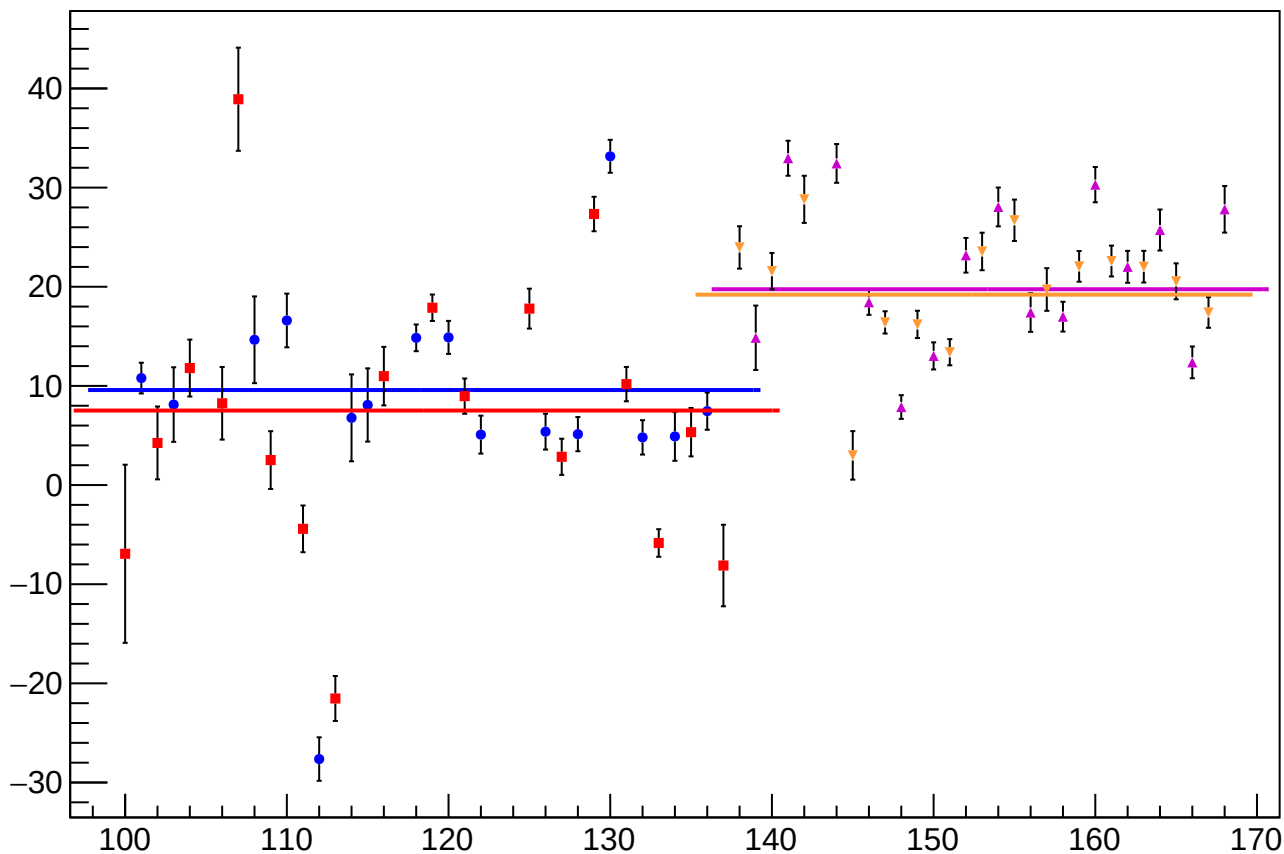
Right: 61.827 $\pm$ 0.591 χ^2 /NDF: 3239.7/33

In: 28.017 $\pm$ 0.434 χ^2 /NDF:4355.7/30

Out: 30.233 $\pm$ 0.440 χ^2 /NDF:5209.6/32

All: 29.110 $\pm$ 0.309 χ^2 /NDF: 9578.2/63

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.583 ± 0.501 χ^2/NDF : 554.4/15

Left Out: 19.204 ± 0.429 χ^2/NDF : 128.7/14

Right Out: 7.516 ± 0.516 χ^2/NDF : 569.8/17

Left In: 19.750 ± 0.433 χ^2/NDF : 329.3/14

Left: 19.475 ± 0.305 χ^2/NDF : 458.8/29

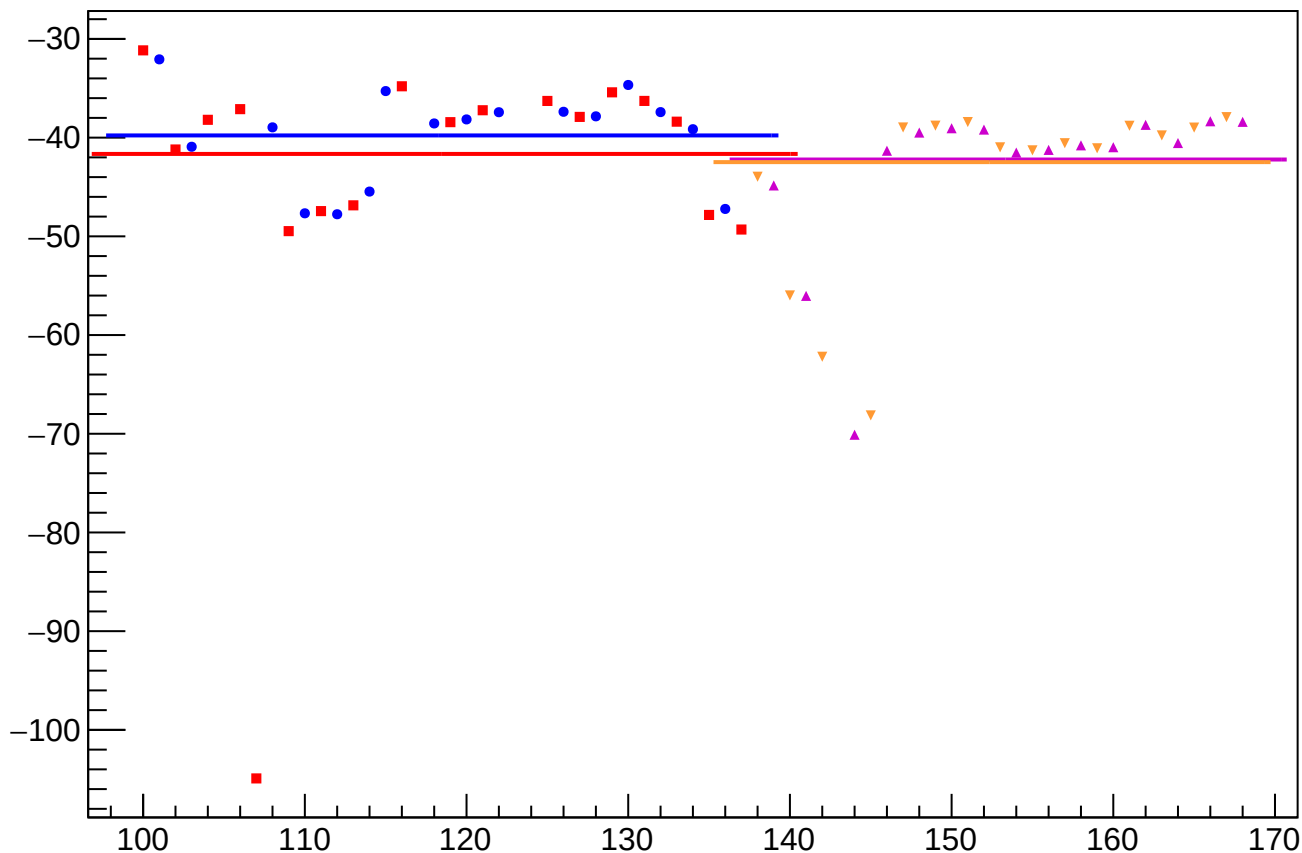
Right: 8.579 ± 0.359 χ^2/NDF : 1132.5/33

In: 15.403 ± 0.328 χ^2/NDF : 1119.4/30

Out: 14.419 ± 0.330 χ^2/NDF : 1001.9/32

All: 14.915 ± 0.232 χ^2/NDF : 2125.8/63

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.777 ± 0.031 χ^2/NDF : 26158.0/15

Left Out: -42.481 ± 0.021 χ^2/NDF : 129289.4/14

Right Out: -41.651 ± 0.031 χ^2/NDF : 94457.5/17

Left In: -42.217 ± 0.020 χ^2/NDF : 104749.8/14

Left: -42.347 ± 0.014 χ^2/NDF : 234122.2/29

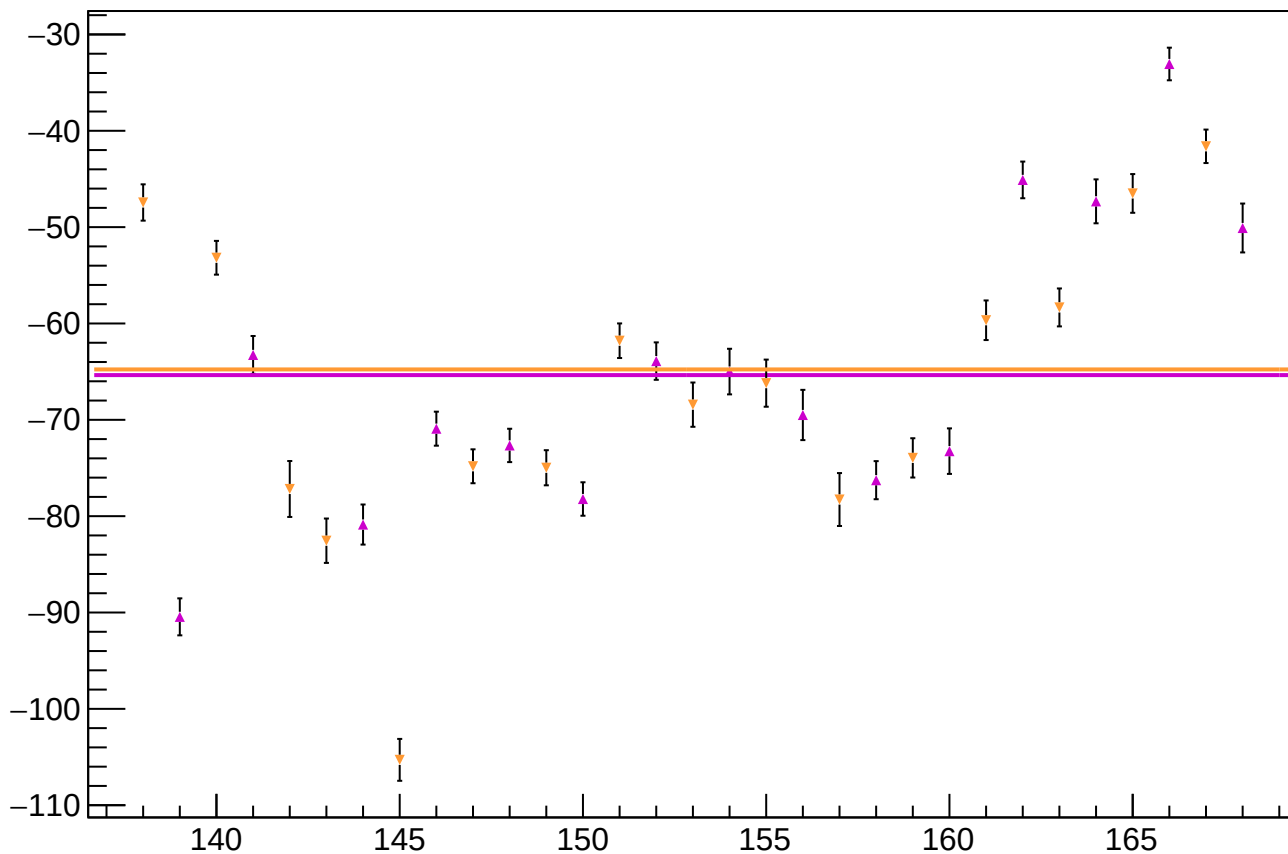
Right: -40.710 ± 0.022 χ^2/NDF : 122427.7/33

In: -41.490 ± 0.017 χ^2/NDF : 135239.7/30

Out: -42.228 ± 0.017 χ^2/NDF : 224239.6/32

All: -41.854 ± 0.012 χ^2/NDF : 360414.3/63

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -64.769+/-0.509 χ^2/NDF :945.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -65.358+/-0.517 χ^2/NDF :930.6/14

Left: -65.059+/-0.363 χ^2/NDF : 1876.3/30

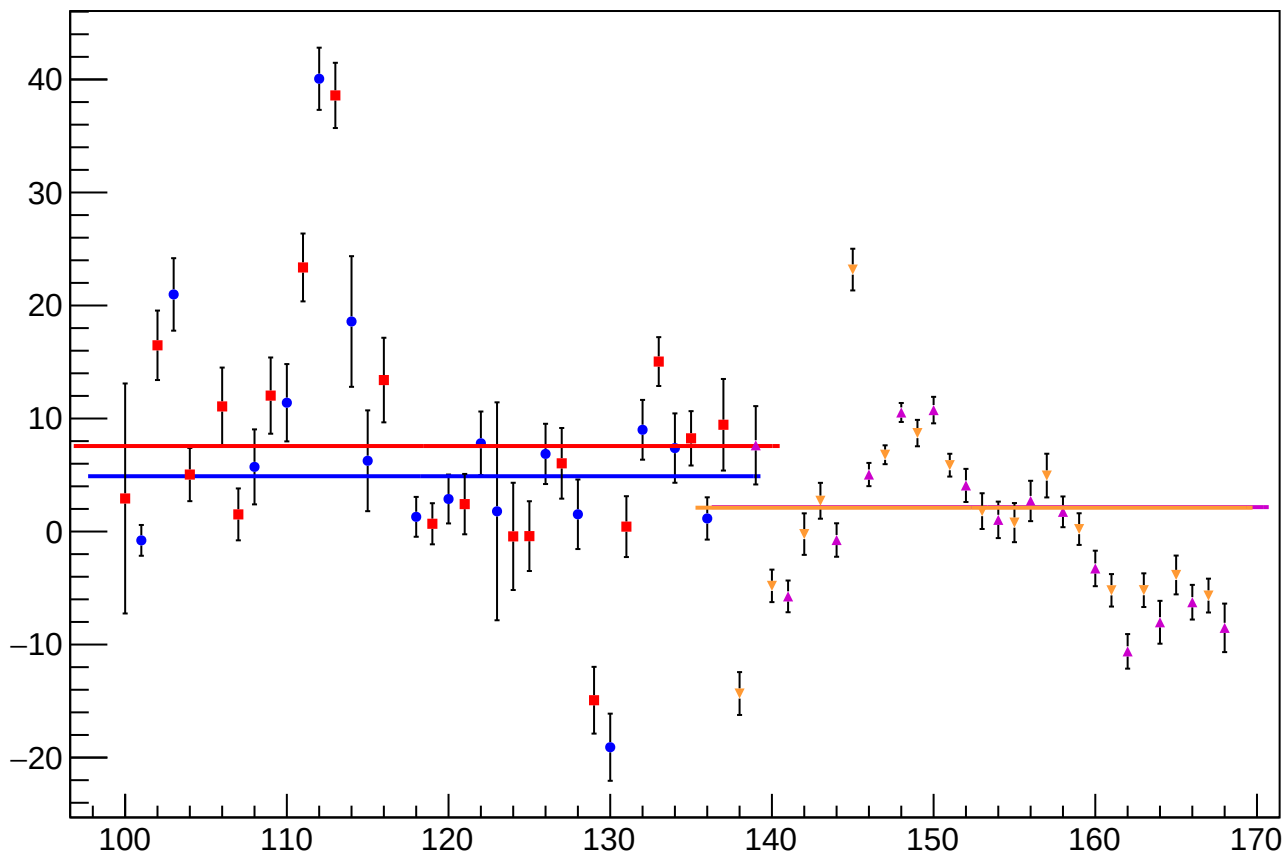
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -65.358+/-0.517 χ^2/NDF :930.6/14

Out: -64.769+/-0.509 χ^2/NDF :945.0/15

All: -65.059+/-0.363 χ^2/NDF : 1876.3/30

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.894 $\pm$ 0.621 χ^2 /NDF: 295.4/16

Left Out: 2.109 $\pm$ 0.351 χ^2 /NDF:401.4/15

Right Out: 7.565 $\pm$ 0.652 χ^2 /NDF: 270.2/18

Left In: 2.160 $\pm$ 0.363 χ^2 /NDF:366.7/14

Left: 2.134 $\pm$ 0.252 χ^2 /NDF: 768.1/30

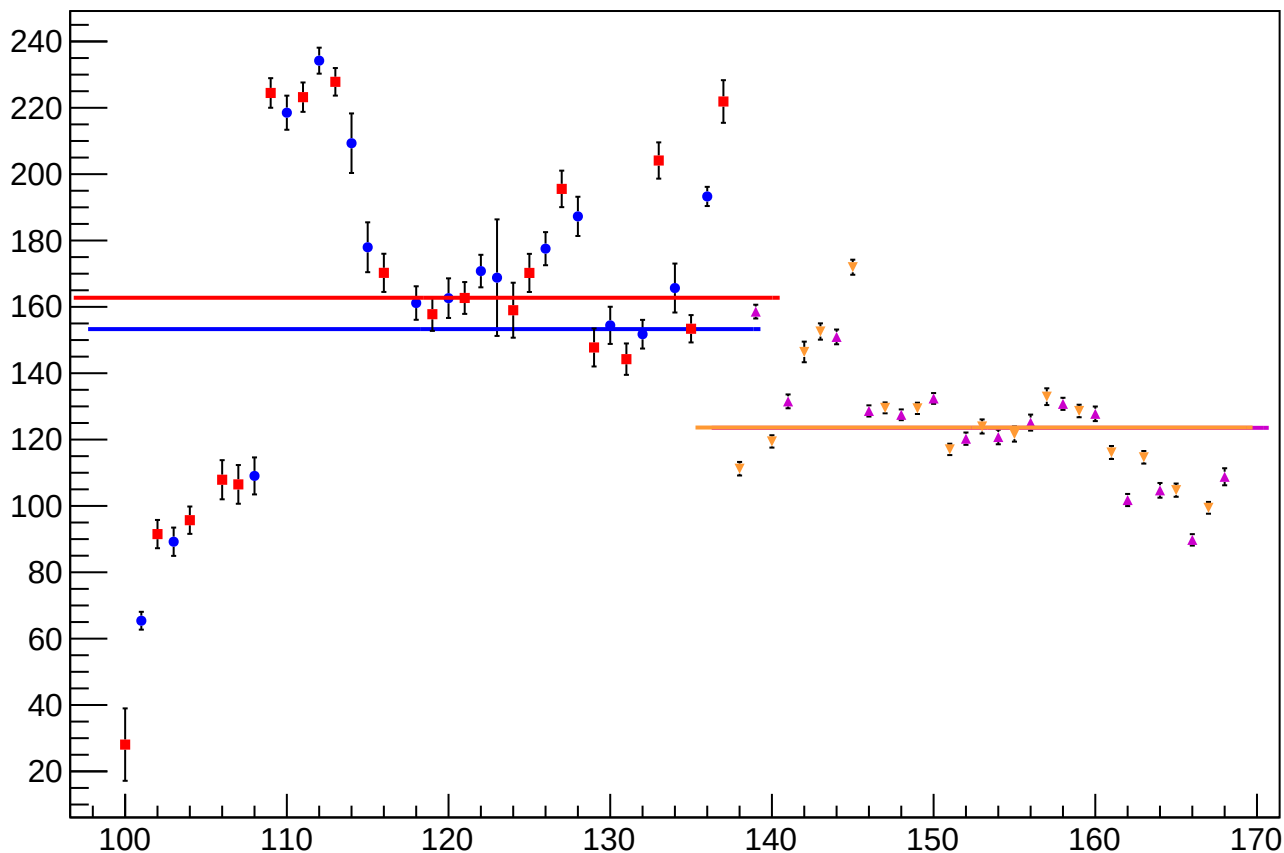
Right: 6.165 $\pm$ 0.450 χ^2 /NDF: 574.4/35

In: 2.855 $\pm$ 0.313 χ^2 /NDF:676.6/31

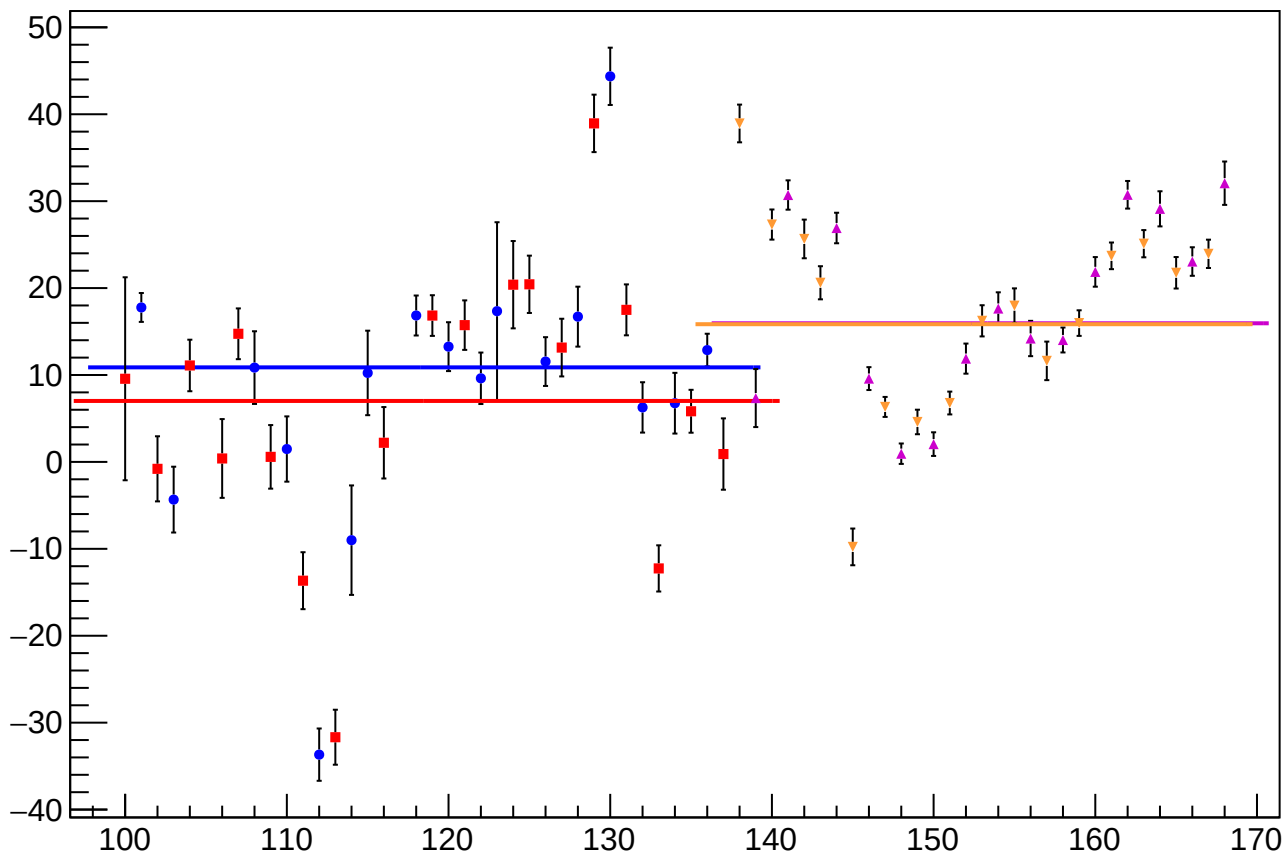
Out: 3.334 $\pm$ 0.309 χ^2 /NDF:725.9/34

All: 3.098 $\pm$ 0.220 χ^2 /NDF: 1403.7/66

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.878+/-0.713 χ^2/NDF : 388.1/16

Left Out: 15.844+/-0.414 χ^2/NDF : 610.8/15

Right Out: 7.014+/-0.748 χ^2/NDF : 424.5/18

Left In: 15.950+/-0.427 χ^2/NDF : 623.6/14

Left: 15.895+/-0.297 χ^2/NDF : 1234.5/30

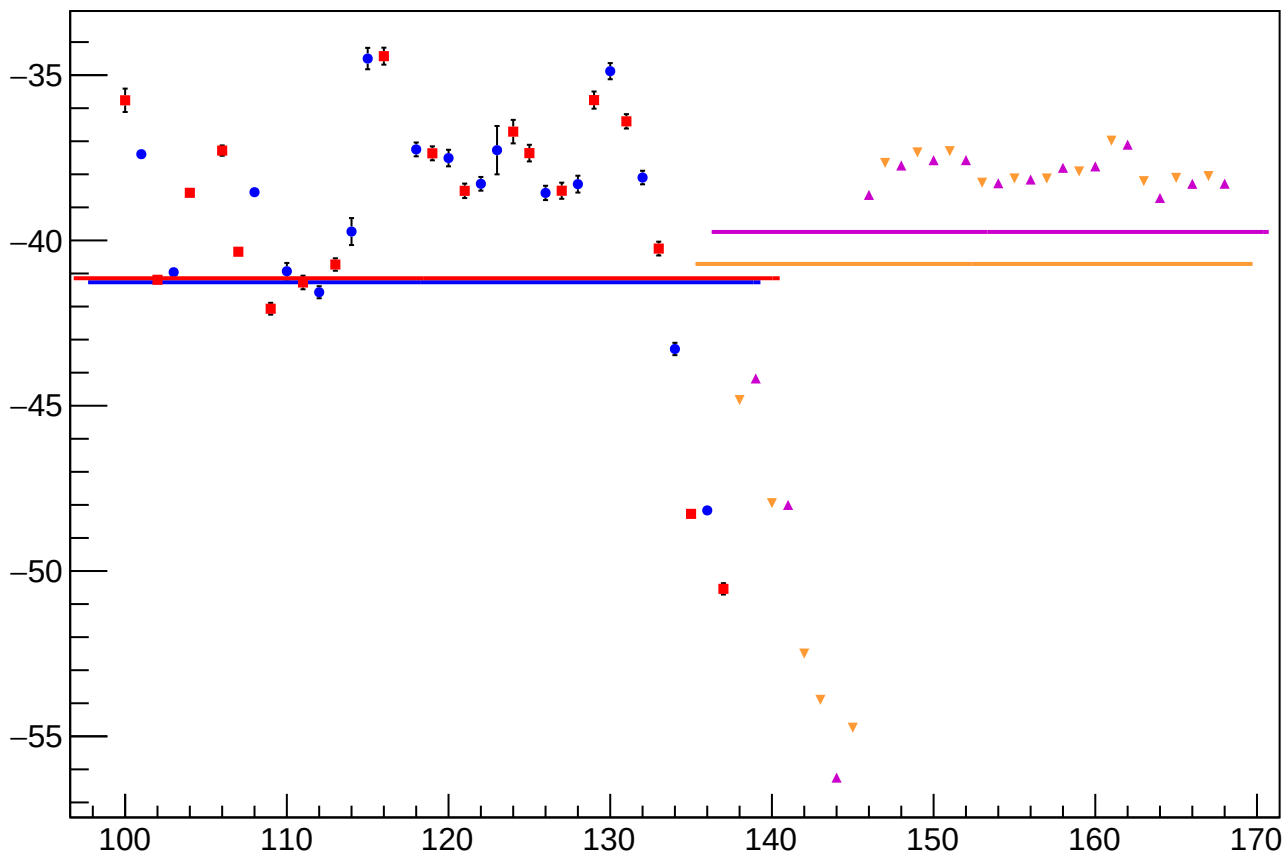
Right: 9.038+/-0.516 χ^2/NDF : 826.6/35

In: 14.610+/-0.367 χ^2/NDF : 1048.9/31

Out: 13.771+/-0.362 χ^2/NDF : 1142.0/34

All: 14.186+/-0.258 χ^2/NDF : 2193.5/66

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.265 ± 0.038 $\chi^2/\text{NDF}: 12570.1/16$

Left Out: -40.711 ± 0.020 $\chi^2/\text{NDF}: 78256.8/15$

Right Out: -41.144 ± 0.039 $\chi^2/\text{NDF}: 12218.7/18$

Left In: -39.743 ± 0.020 $\chi^2/\text{NDF}: 49100.0/14$

Left: -40.230 ± 0.014 $\chi^2/\text{NDF}: 128527.4/30$

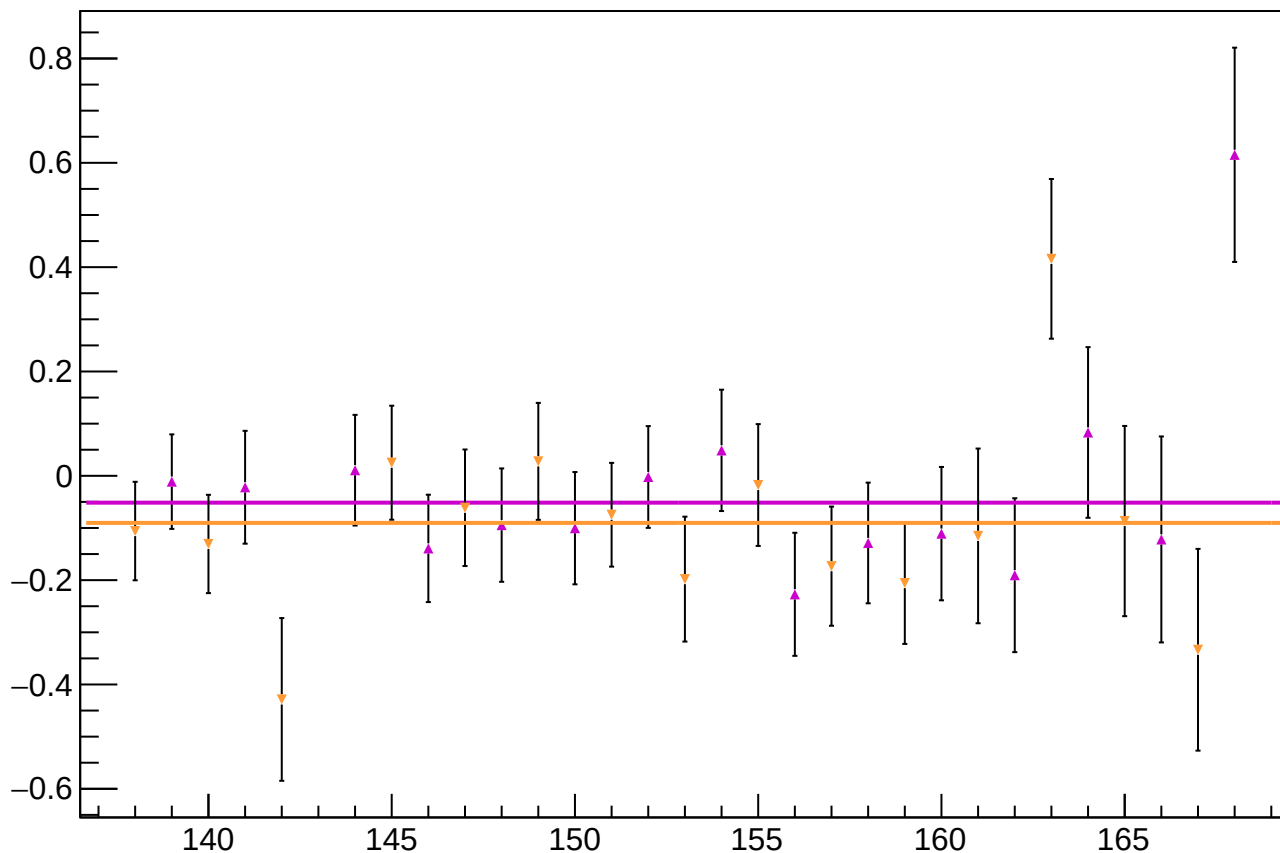
Right: -41.205 ± 0.027 $\chi^2/\text{NDF}: 24793.7/35$

In: -40.068 ± 0.018 $\chi^2/\text{NDF}: 62899.8/31$

Out: -40.802 ± 0.018 $\chi^2/\text{NDF}: 90574.7/34$

All: -40.437 ± 0.013 $\chi^2/\text{NDF}: 154328.5/66$

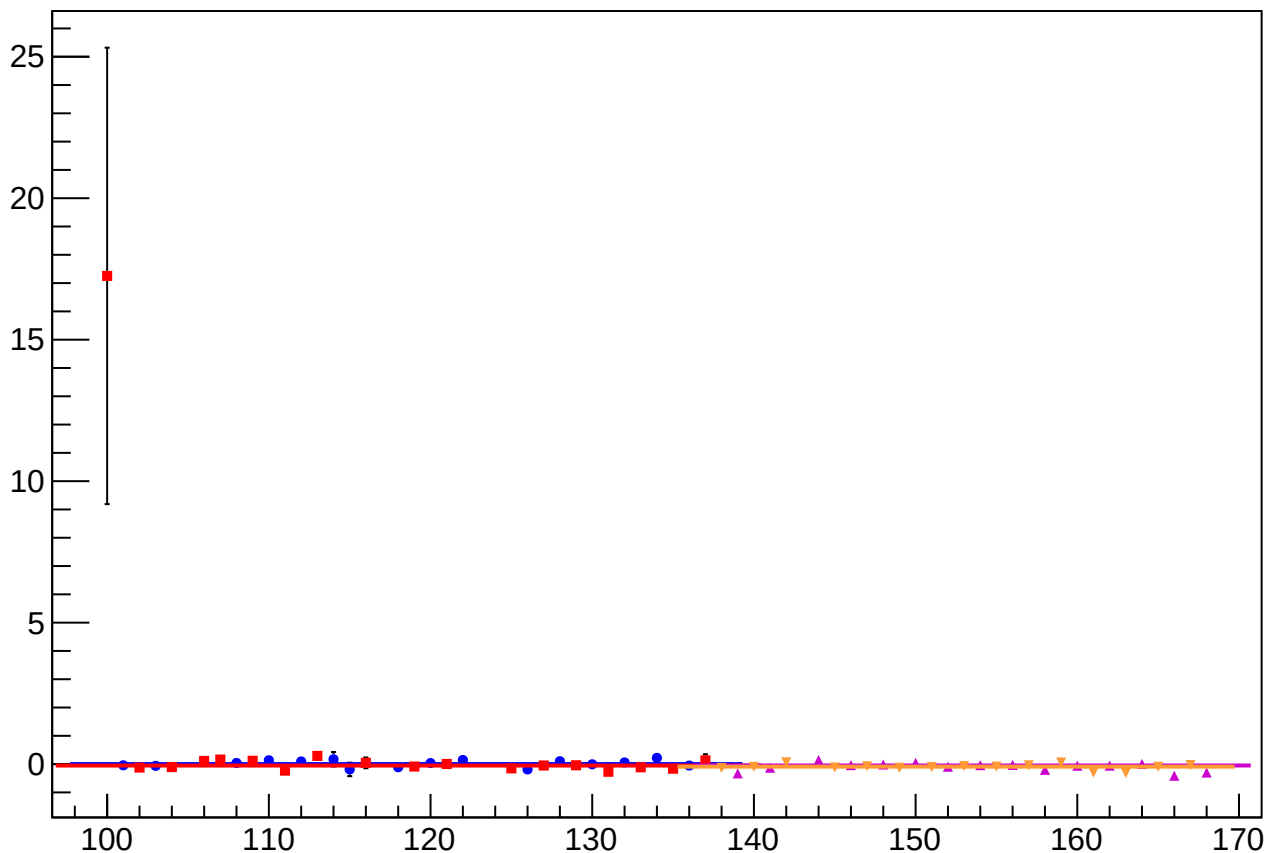
reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.090+/-0.031 χ^2/NDF :22.5/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.051+/-0.030 χ^2/NDF :17.8/14

Left: -0.070+/-0.022 χ^2/NDF : 41.1/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.051+/-0.030 χ^2/NDF :17.8/14
 Out: -0.090+/-0.031 χ^2/NDF :22.5/14
 All: -0.070+/-0.022 χ^2/NDF : 41.1/29

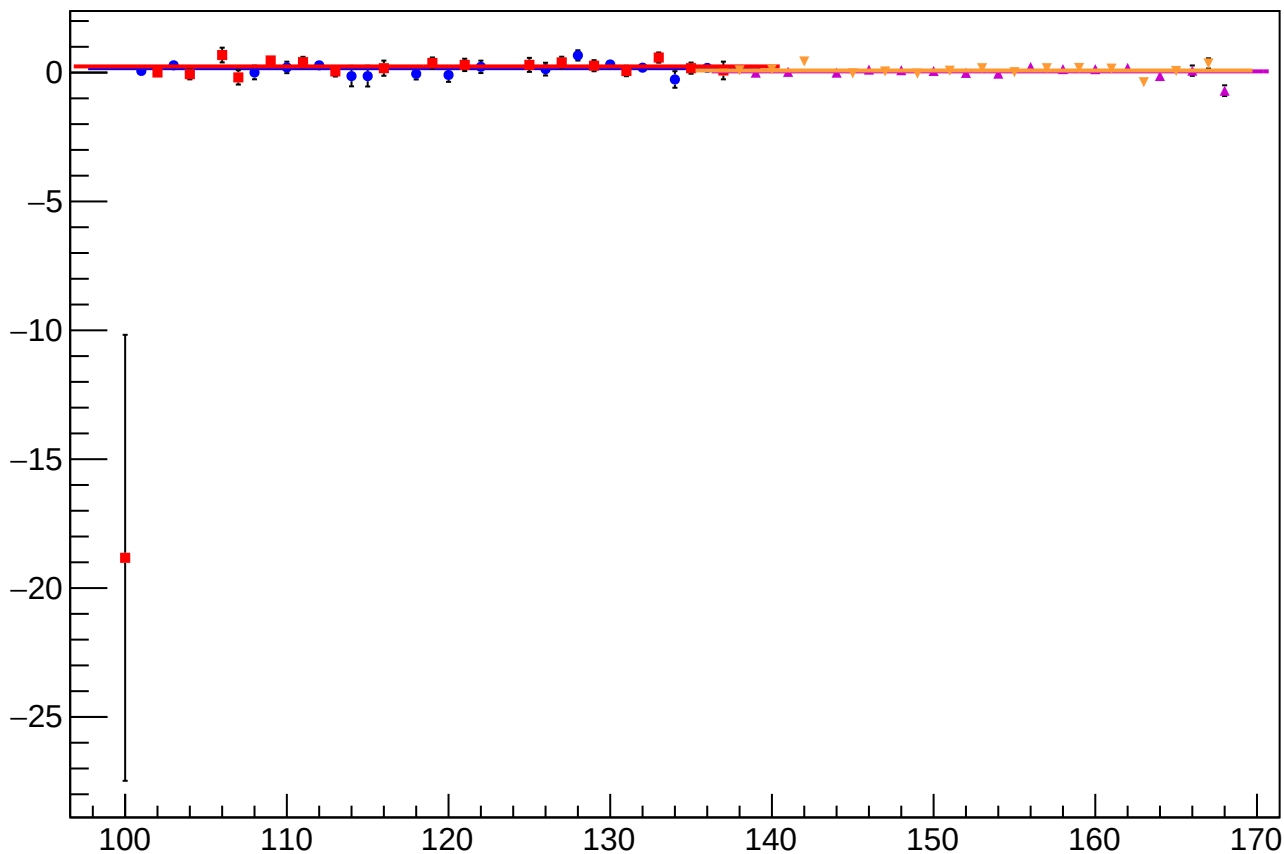
reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.002 ± 0.028 $\chi^2/\text{NDF}: 12.5/15$
 Left Out: -0.090 ± 0.022 $\chi^2/\text{NDF}: 13.8/14$
 Right Out: -0.051 ± 0.029 $\chi^2/\text{NDF}: 25.8/17$
 Left In: -0.049 ± 0.021 $\chi^2/\text{NDF}: 22.9/14$

Left: -0.069 ± 0.015 $\chi^2/\text{NDF}: 38.5/29$
 Right: -0.024 ± 0.020 $\chi^2/\text{NDF}: 40.0/33$
 In: -0.030 ± 0.017 $\chi^2/\text{NDF}: 37.5/30$
 Out: -0.076 ± 0.017 $\chi^2/\text{NDF}: 40.7/32$
 All: -0.053 ± 0.012 $\chi^2/\text{NDF}: 81.7/63$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.171 $\pm$ 0.052 χ^2 /NDF: 13.7/15

Left Out: 0.081 $\pm$ 0.030 χ^2 /NDF:21.2/14

Right Out: 0.239 $\pm$ 0.054 χ^2 /NDF: 21.8/17

Left In: 0.047 $\pm$ 0.030 χ^2 /NDF:21.0/14

Left: 0.063 $\pm$ 0.021 χ^2 /NDF: 42.9/29

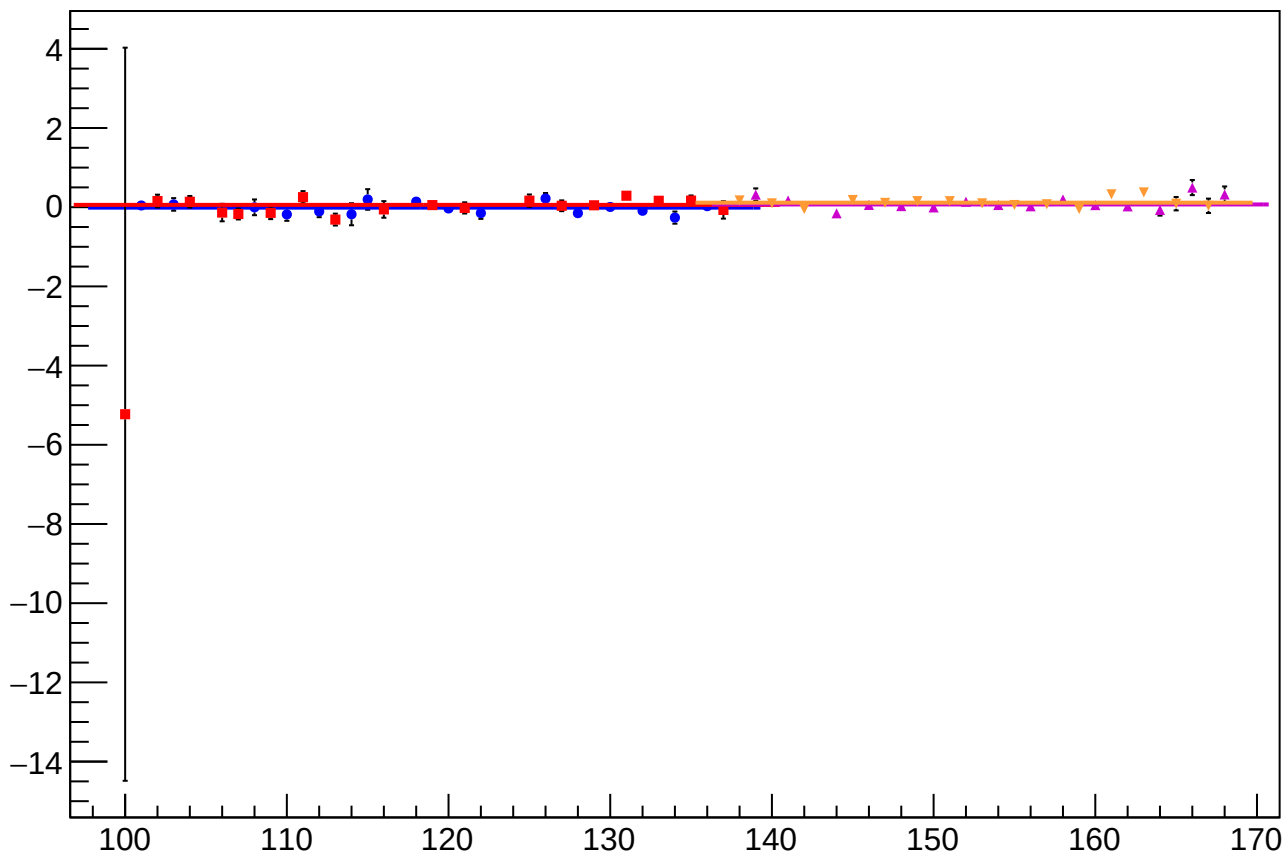
Right: 0.204 $\pm$ 0.038 χ^2 /NDF: 36.3/33

In: 0.077 $\pm$ 0.026 χ^2 /NDF:39.0/30

Out: 0.119 $\pm$ 0.026 χ^2 /NDF:49.5/32

All: 0.097 $\pm$ 0.018 χ^2 /NDF: 89.8/63

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.011 ± 0.033 χ^2/NDF : 13.8/15

Left Out: 0.114 ± 0.026 χ^2/NDF : 14.7/14

Right Out: 0.059 ± 0.034 χ^2/NDF : 20.6/17

Left In: 0.069 ± 0.025 χ^2/NDF : 21.7/14

Left: 0.092 ± 0.018 χ^2/NDF : 37.9/29

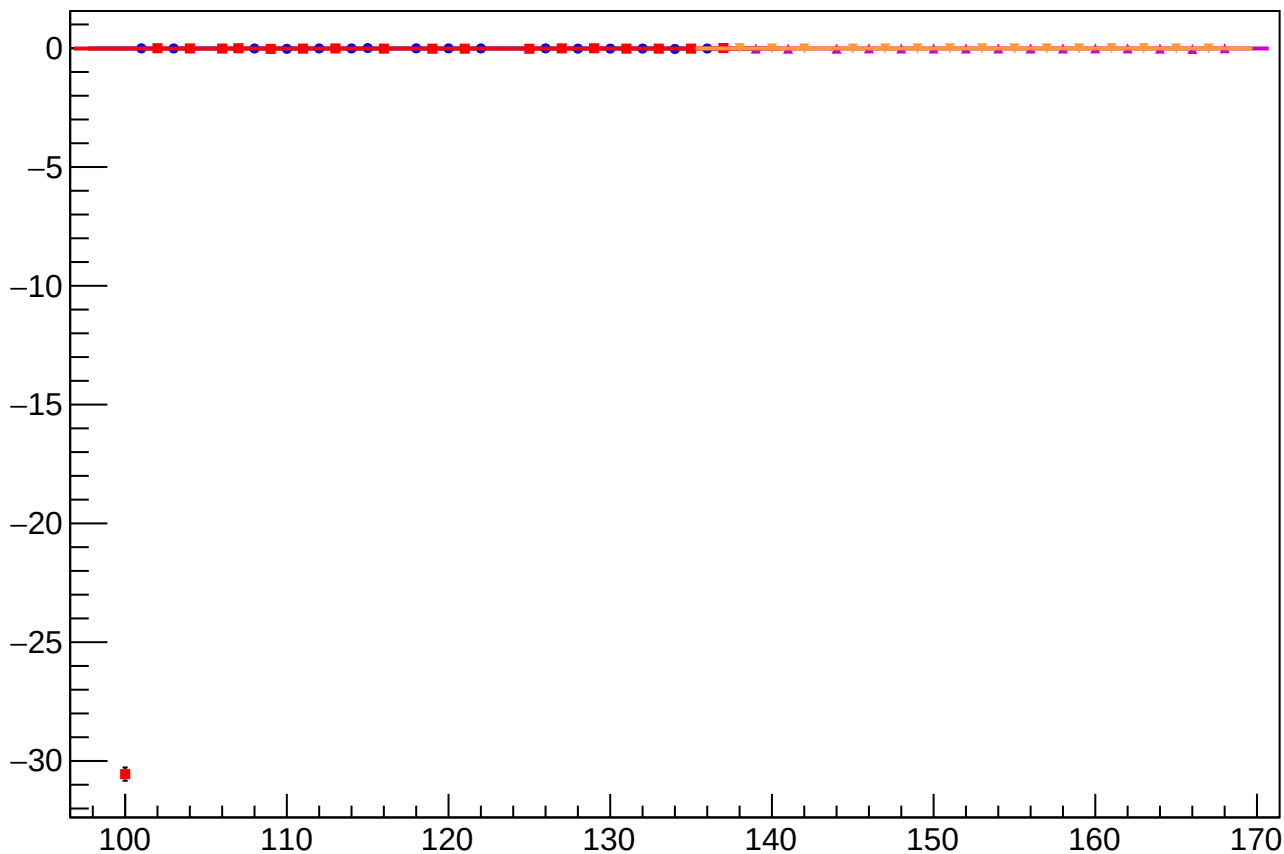
Right: 0.022 ± 0.023 χ^2/NDF : 36.5/33

In: 0.039 ± 0.020 χ^2/NDF : 39.2/30

Out: 0.094 ± 0.020 χ^2/NDF : 37.0/32

All: 0.066 ± 0.014 χ^2/NDF : 79.9/63

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.9/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 12.5/14

Right Out: -0.012 ± 0.002 χ^2/NDF : 11891.5/17

Left In: -0.011 ± 0.001 χ^2/NDF : 18.0/14

Left: -0.010 ± 0.001 χ^2/NDF : 32.9/29

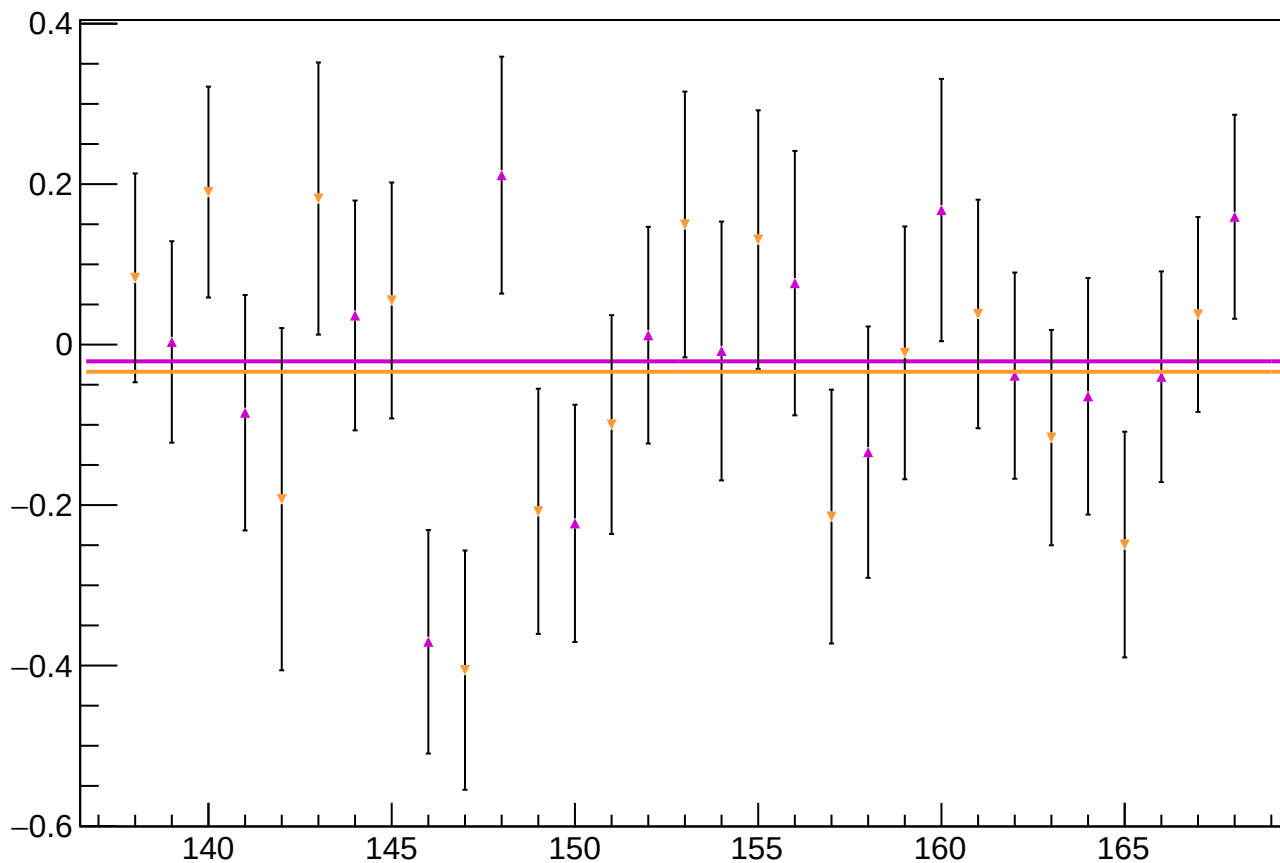
Right: -0.012 ± 0.001 χ^2/NDF : 11904.4/33

In: -0.011 ± 0.001 χ^2/NDF : 31.2/30

Out: -0.009 ± 0.001 χ^2/NDF : 11907.1/32

All: -0.010 ± 0.001 χ^2/NDF : 11939.8/63

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.034 $\pm$ 0.037 χ^2 /NDF:20.9/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.021 $\pm$ 0.037 χ^2 /NDF:15.4/14

Left: -0.027 $\pm$ 0.026 χ^2 /NDF: 36.4/30

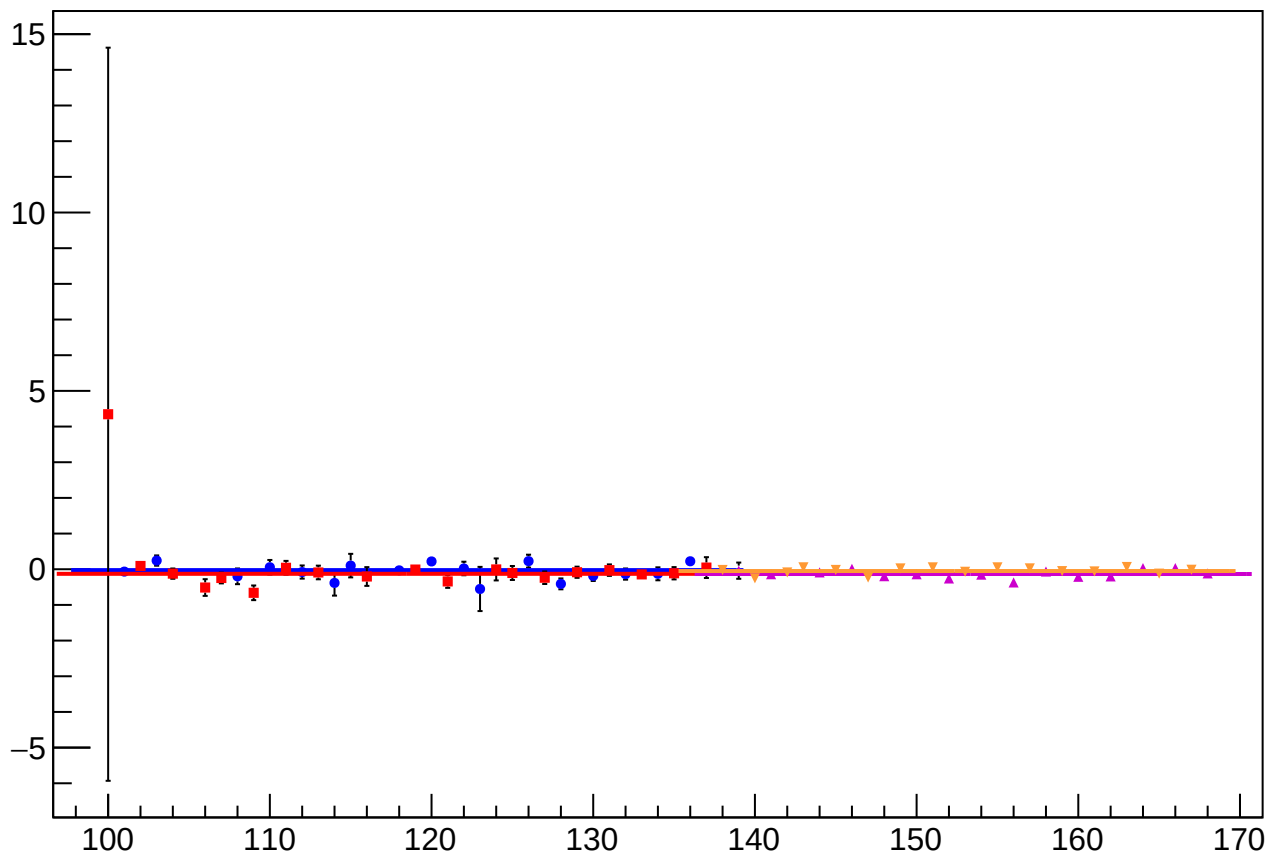
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.021 $\pm$ 0.037 χ^2 /NDF:15.4/14

Out: -0.034 $\pm$ 0.037 χ^2 /NDF:20.9/15

All: -0.027 $\pm$ 0.026 χ^2 /NDF: 36.4/30

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024 ± 0.037 χ^2/NDF : 23.4/16

Left Out: -0.050 ± 0.026 χ^2/NDF : 16.5/15

Right Out: -0.128 ± 0.039 χ^2/NDF : 17.6/18

Left In: -0.133 ± 0.027 χ^2/NDF : 15.3/14

Left: -0.091 ± 0.019 χ^2/NDF : 36.7/30

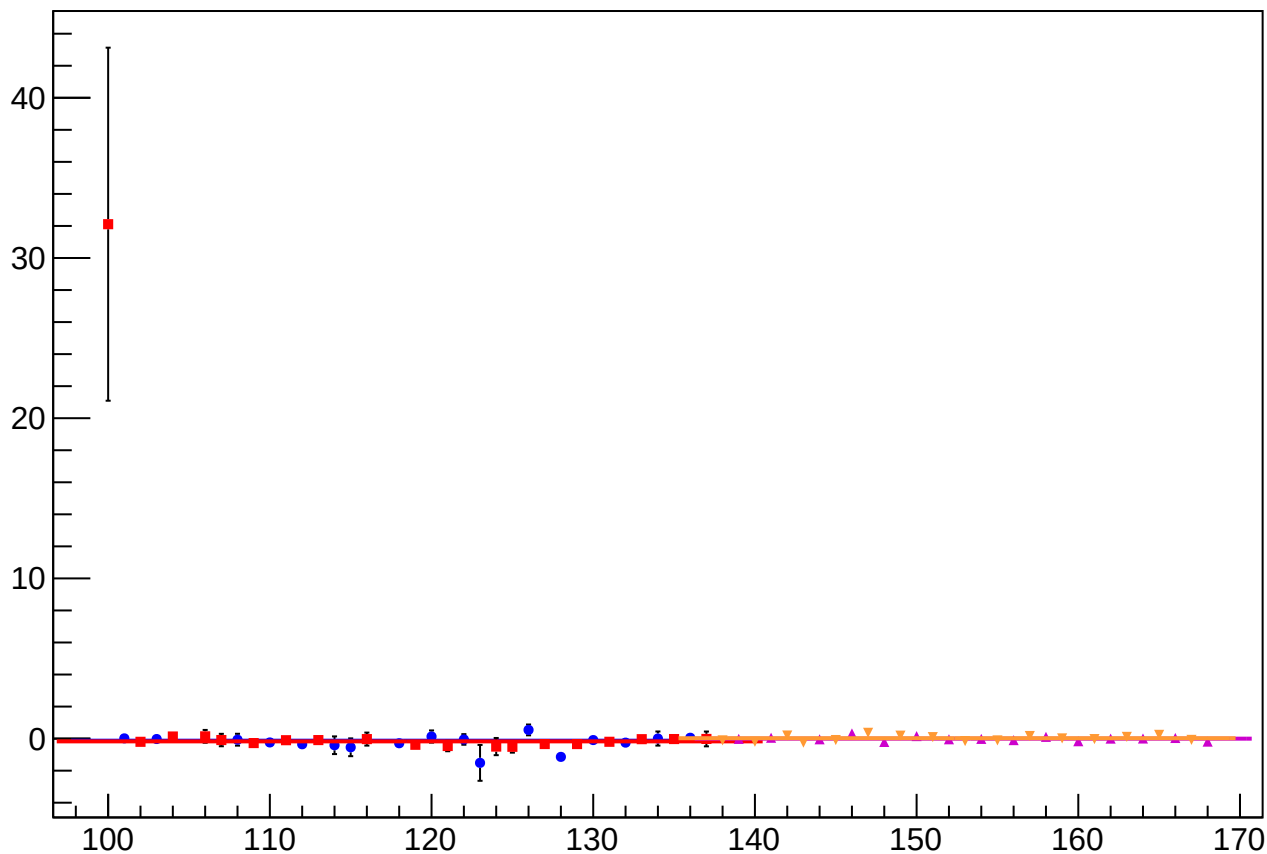
Right: -0.072 ± 0.027 χ^2/NDF : 44.7/35

In: -0.095 ± 0.022 χ^2/NDF : 44.4/31

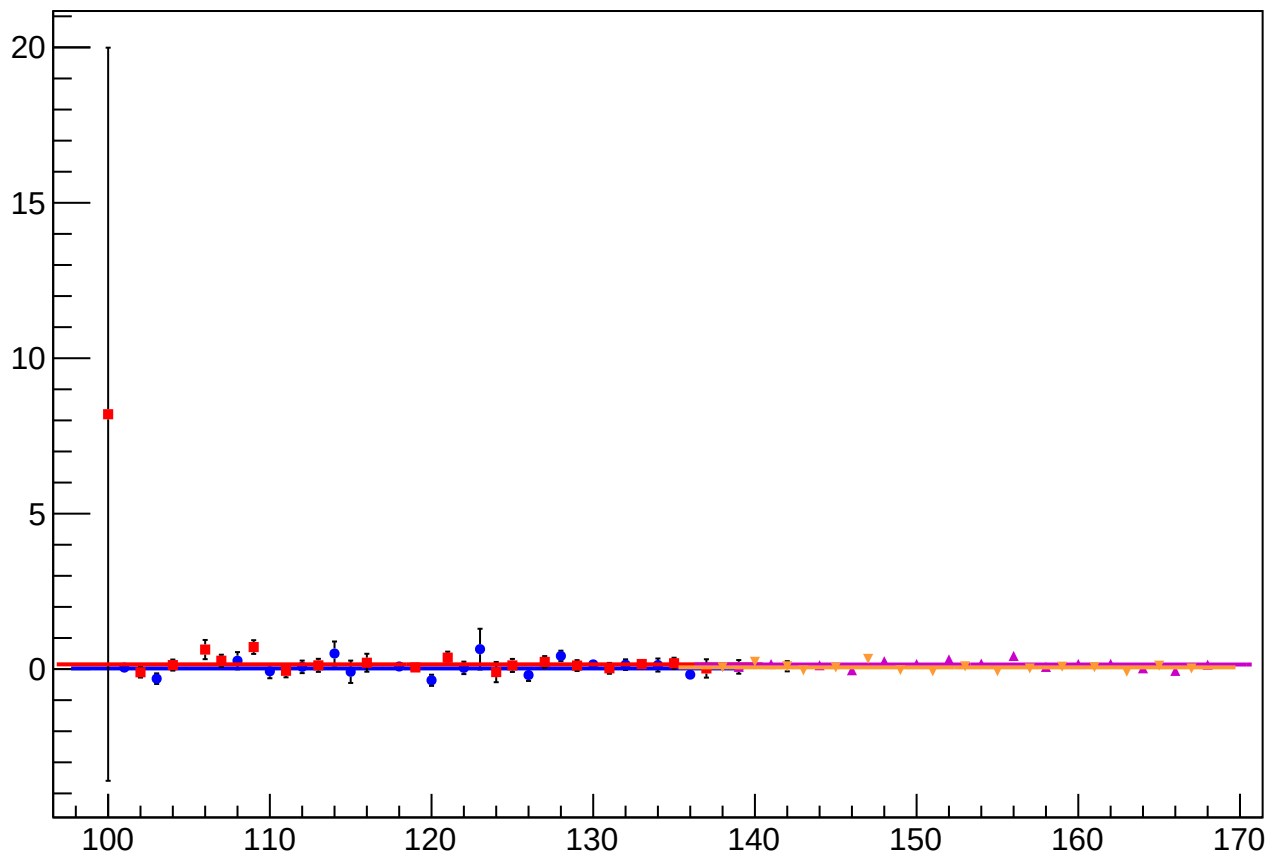
Out: -0.074 ± 0.022 χ^2/NDF : 36.8/34

All: -0.085 ± 0.015 χ^2/NDF : 81.7/66

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.042 χ^2/NDF : 22.5/16

Left Out: 0.055+/-0.030 χ^2/NDF : 15.4/15

Right Out: 0.152+/-0.045 χ^2/NDF : 16.2/18

Left In: 0.147+/-0.031 χ^2/NDF : 14.9/14

Left: 0.100+/-0.022 χ^2/NDF : 34.7/30

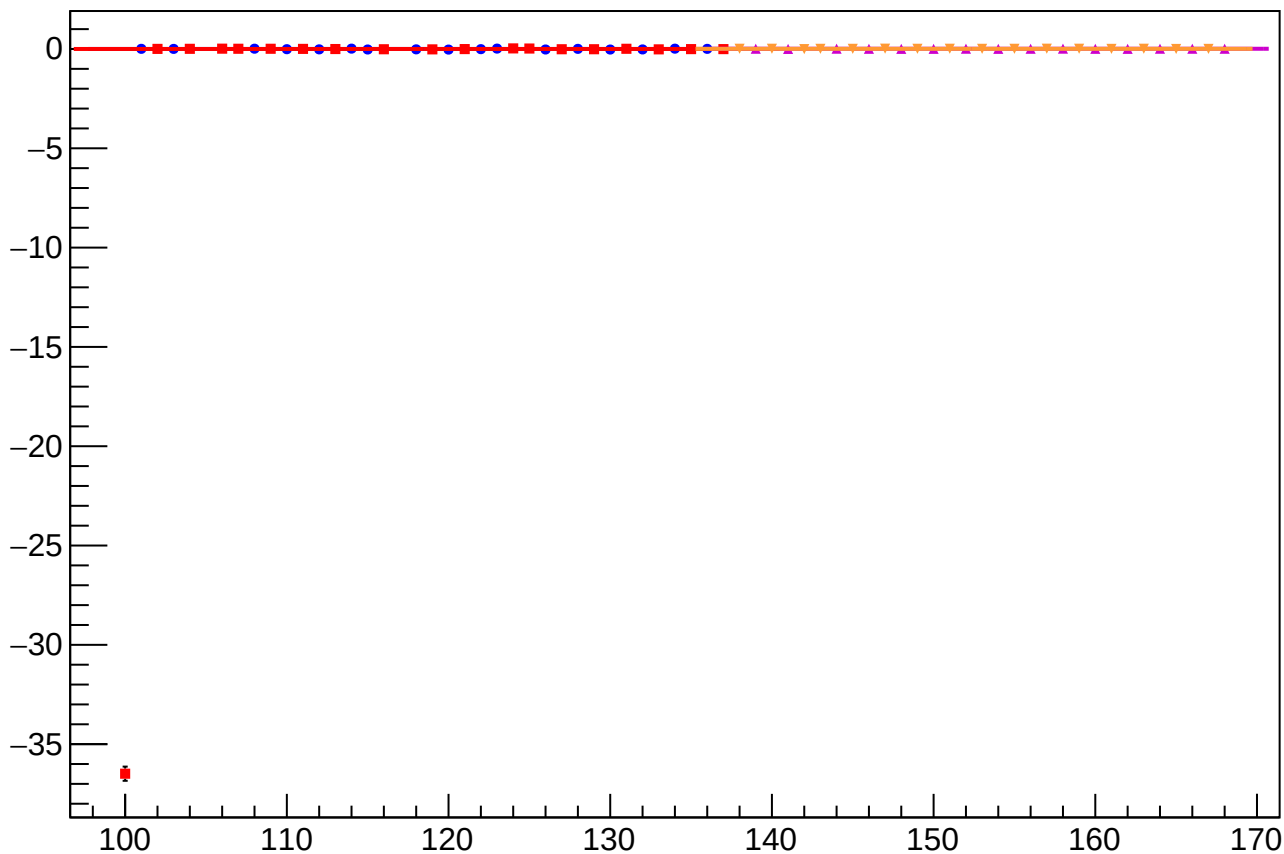
Right: 0.082+/-0.031 χ^2/NDF : 43.2/35

In: 0.102+/-0.025 χ^2/NDF : 43.1/31

Out: 0.085+/-0.025 χ^2/NDF : 34.8/34

All: 0.094+/-0.018 χ^2/NDF : 78.1/66

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 32.4/16

Left Out: 0.010 $\pm$ 0.001 χ^2 /NDF: 9.5/15

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.011 $\pm$ 0.001 χ^2 /NDF: 6.0/14

Left: 0.010 $\pm$ 0.001 χ^2 /NDF: 16.3/30

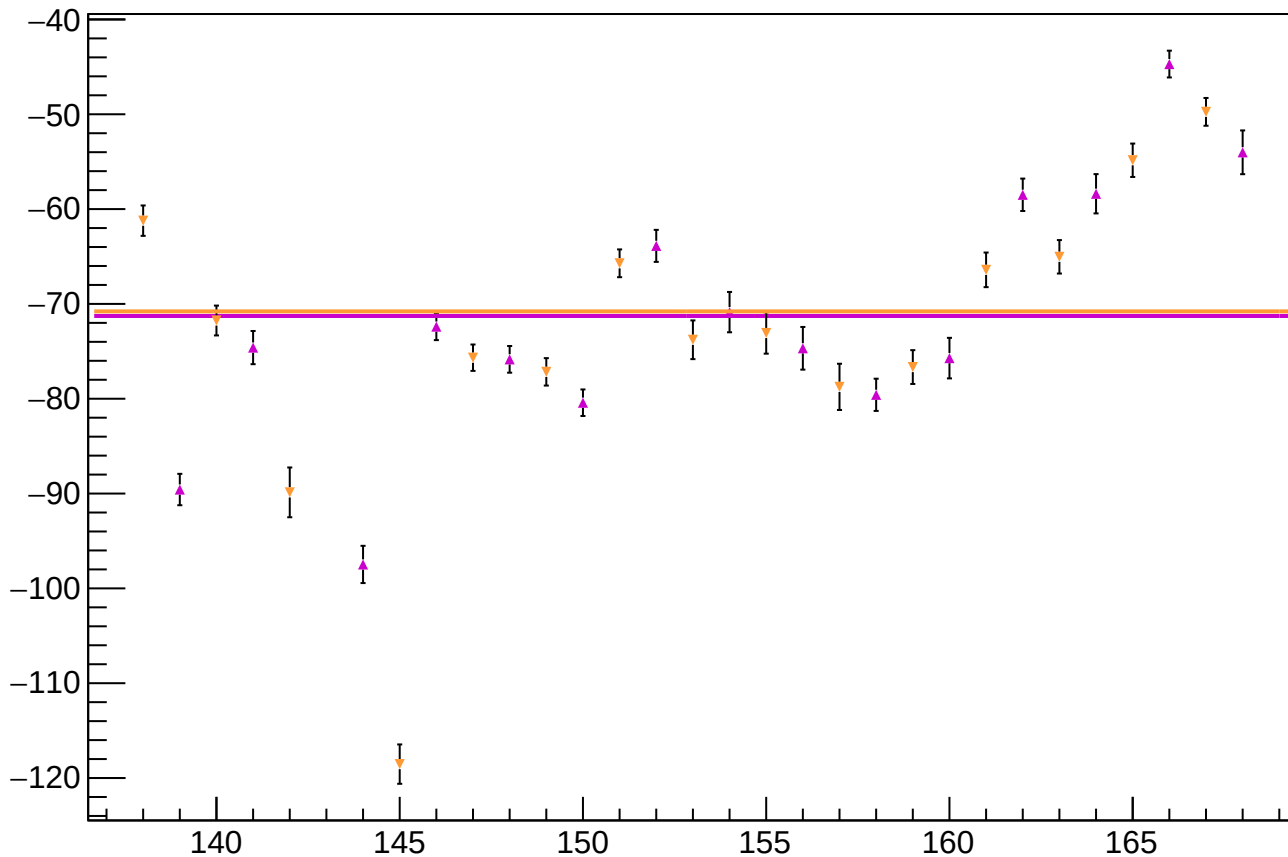
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10481.5/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF: 53.2/31

Out: 0.007 $\pm$ 0.001 χ^2 /NDF: 10468.8/34

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10522.6/66

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



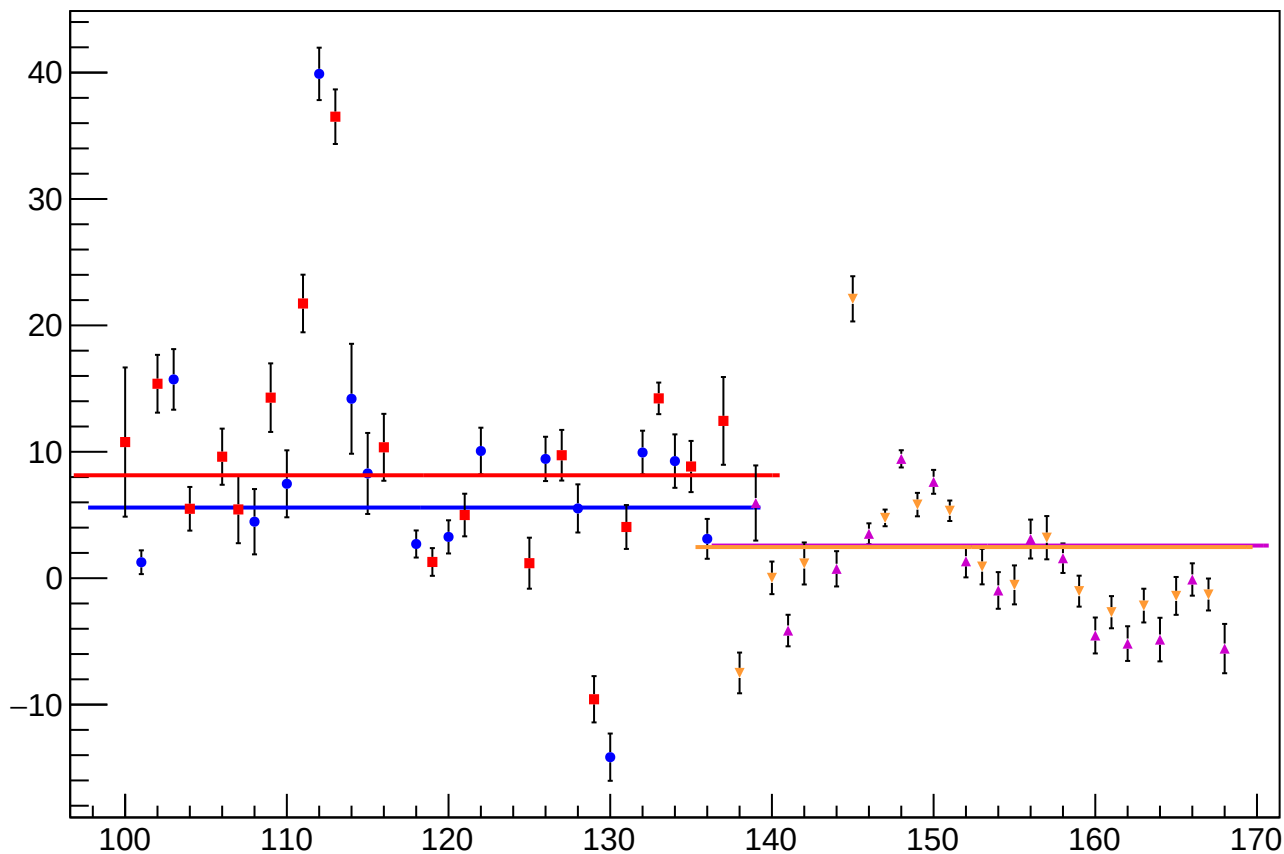
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -70.790+/-0.448 χ^2/NDF :991.1/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -71.274+/-0.445 χ^2/NDF :912.2/14

Left: -71.034+/-0.316 χ^2/NDF : 1903.9/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -71.274+/-0.445 χ^2/NDF :912.2/14
 Out: -70.790+/-0.448 χ^2/NDF :991.1/14

All: -71.034+/-0.316 χ^2/NDF : 1903.9/29

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.589 ± 0.424 $\chi^2/\text{NDF}: 462.8/15$

Left Out: 2.462 ± 0.304 $\chi^2/\text{NDF}: 258.1/14$

Right Out: 8.142 ± 0.454 $\chi^2/\text{NDF}: 407.7/17$

Left In: 2.582 ± 0.309 $\chi^2/\text{NDF}: 268.2/14$

Left: 2.521 ± 0.217 $\chi^2/\text{NDF}: 526.3/29$

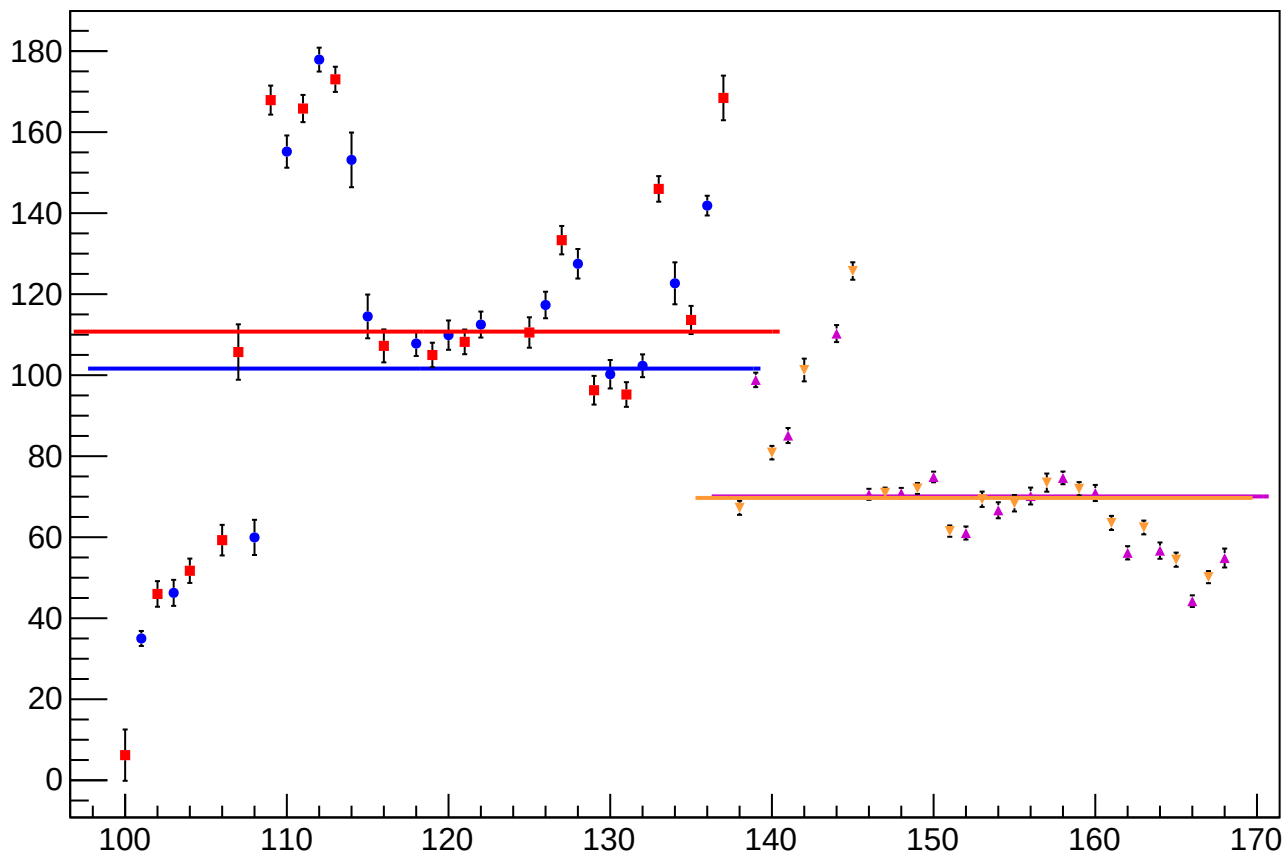
Right: 6.778 ± 0.310 $\chi^2/\text{NDF}: 887.4/33$

In: 3.626 ± 0.250 $\chi^2/\text{NDF}: 763.9/30$

Out: 4.220 ± 0.252 $\chi^2/\text{NDF}: 774.0/32$

All: 3.920 ± 0.177 $\chi^2/\text{NDF}: 1540.7/63$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.631 $\pm$ 0.807 χ^2 /NDF: 2978.9/15

Left Out: 69.702 $\pm$ 0.438 χ^2 /NDF:1168.9/14

Right Out: 110.756 $\pm$ 0.836 χ^2 /NDF: 2513.0/17

Left In: 70.069 $\pm$ 0.433 χ^2 /NDF:1227.2/14

Left: 69.888 $\pm$ 0.308 χ^2 /NDF: 2396.4/29

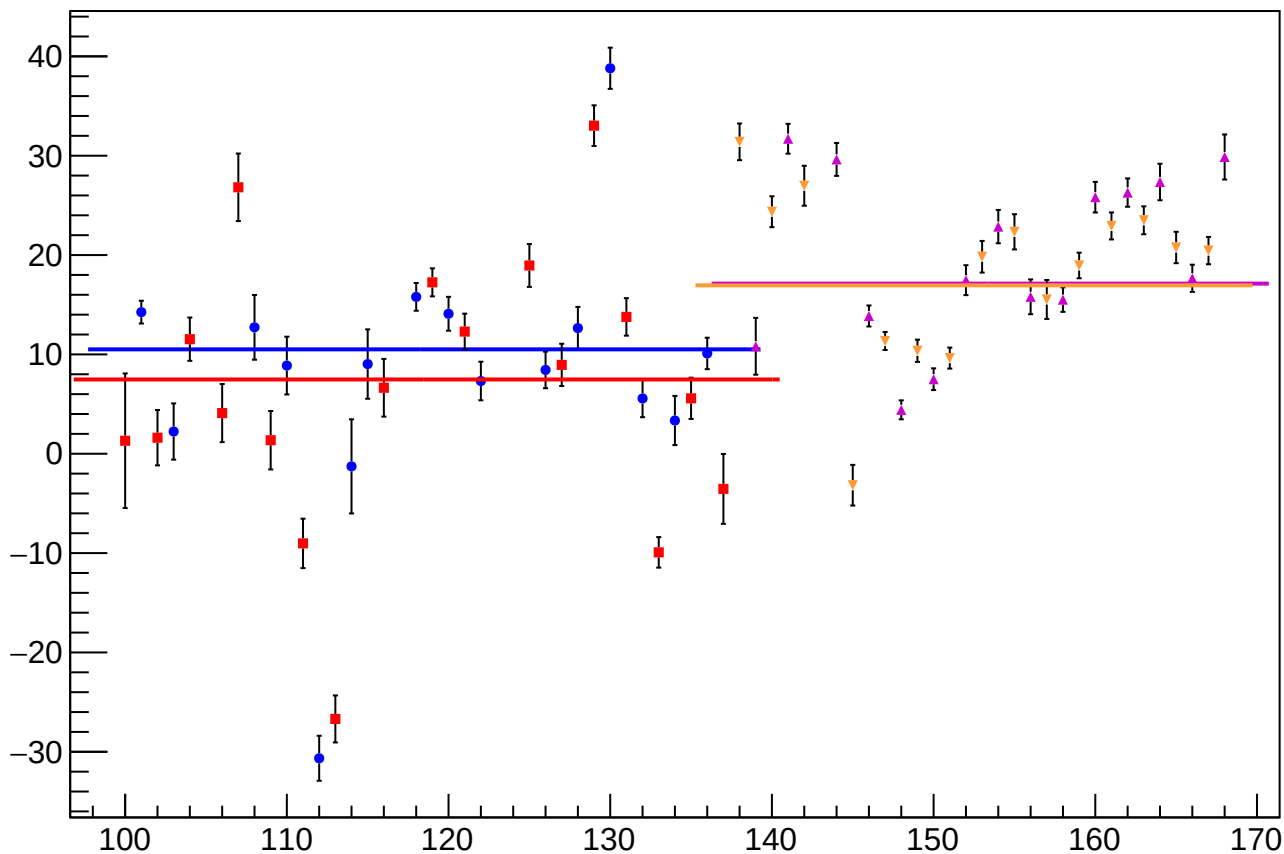
Right: 106.031 $\pm$ 0.581 χ^2 /NDF: 5553.5/33

In: 77.123 $\pm$ 0.381 χ^2 /NDF:5394.0/30

Out: 78.540 $\pm$ 0.388 χ^2 /NDF:5573.4/32

All: 77.819 $\pm$ 0.272 χ^2 /NDF: 10974.2/63

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.508 ± 0.492 $\chi^2/\text{NDF}: 581.5/15$

Left Out: 16.953 ± 0.361 $\chi^2/\text{NDF}: 394.9/14$

Right Out: 7.477 ± 0.524 $\chi^2/\text{NDF}: 689.3/17$

Left In: 17.125 ± 0.366 $\chi^2/\text{NDF}: 570.1/14$

Left: 17.038 ± 0.257 $\chi^2/\text{NDF}: 965.1/29$

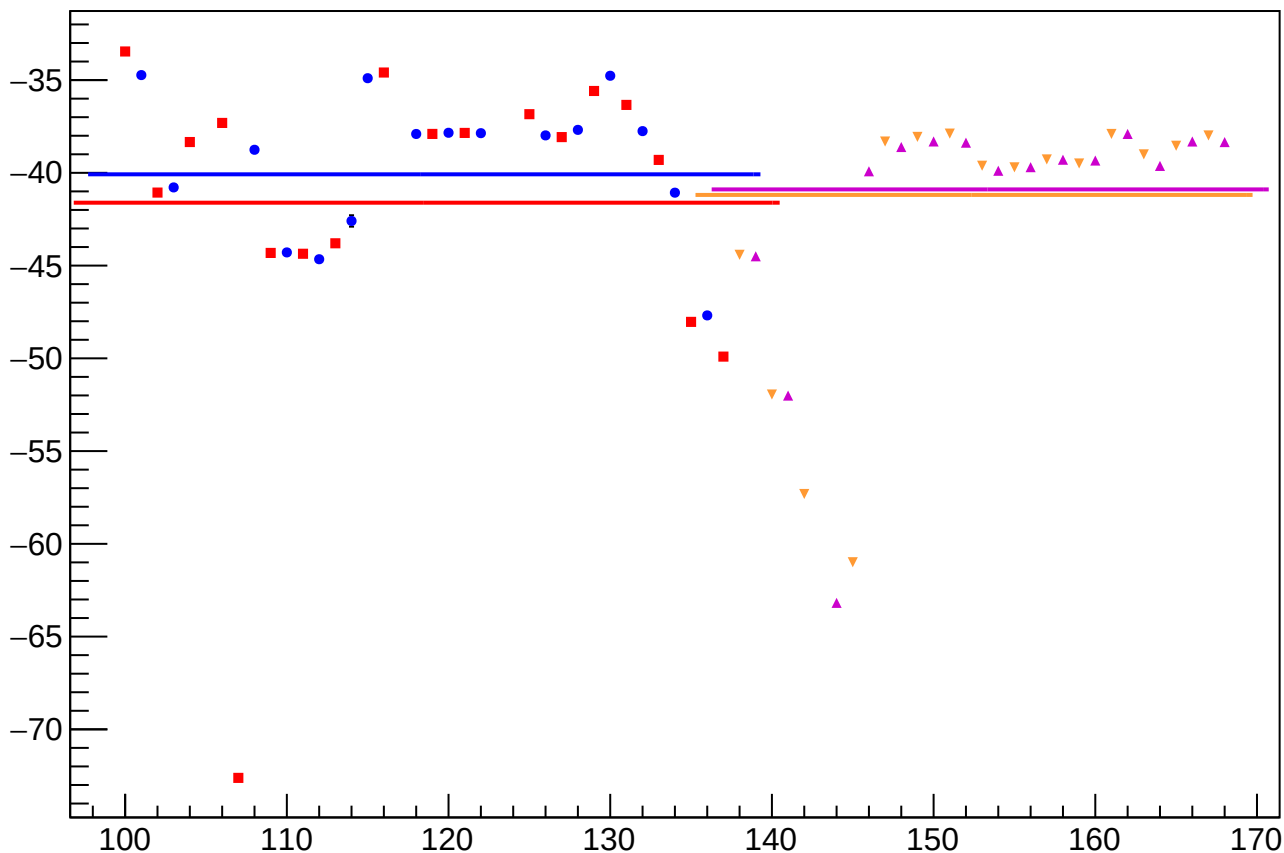
Right: 9.088 ± 0.359 $\chi^2/\text{NDF}: 1288.6/33$

In: 14.770 ± 0.294 $\chi^2/\text{NDF}: 1268.1/30$

Out: 13.897 ± 0.298 $\chi^2/\text{NDF}: 1305.8/32$

All: 14.340 ± 0.209 $\chi^2/\text{NDF}: 2578.3/63$

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.080 ± 0.028 $\chi^2/\text{NDF}: 25123.9/15$

Left Out: -41.190 ± 0.018 $\chi^2/\text{NDF}: 116178.2/14$

Right Out: -41.609 ± 0.029 $\chi^2/\text{NDF}: 61784.6/17$

Left In: -40.893 ± 0.017 $\chi^2/\text{NDF}: 95750.9/14$

Left: -41.039 ± 0.012 $\chi^2/\text{NDF}: 212074.7/29$

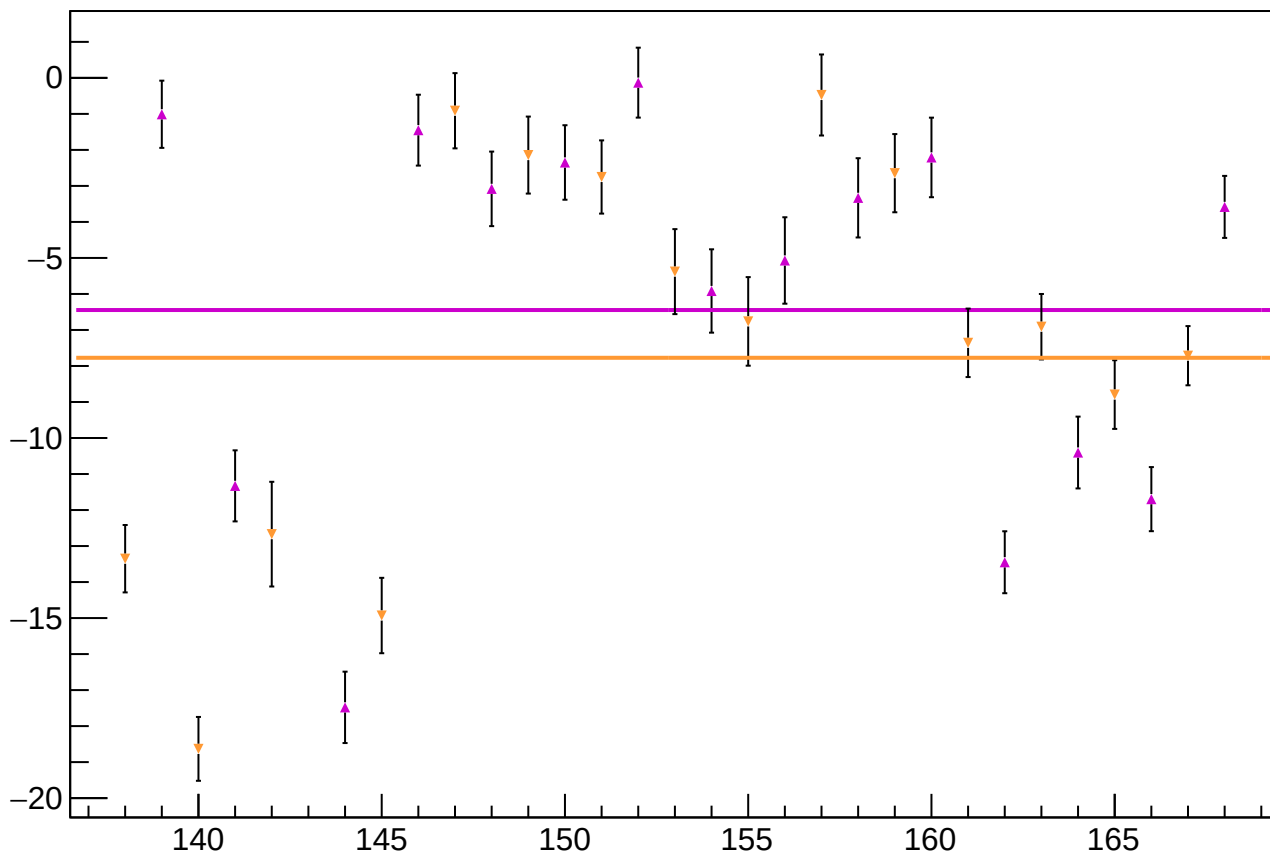
Right: -40.834 ± 0.020 $\chi^2/\text{NDF}: 88360.5/33$

In: -40.671 ± 0.015 $\chi^2/\text{NDF}: 121479.4/30$

Out: -41.305 ± 0.015 $\chi^2/\text{NDF}: 178118.8/32$

All: -40.983 ± 0.011 $\chi^2/\text{NDF}: 300511.0/63$

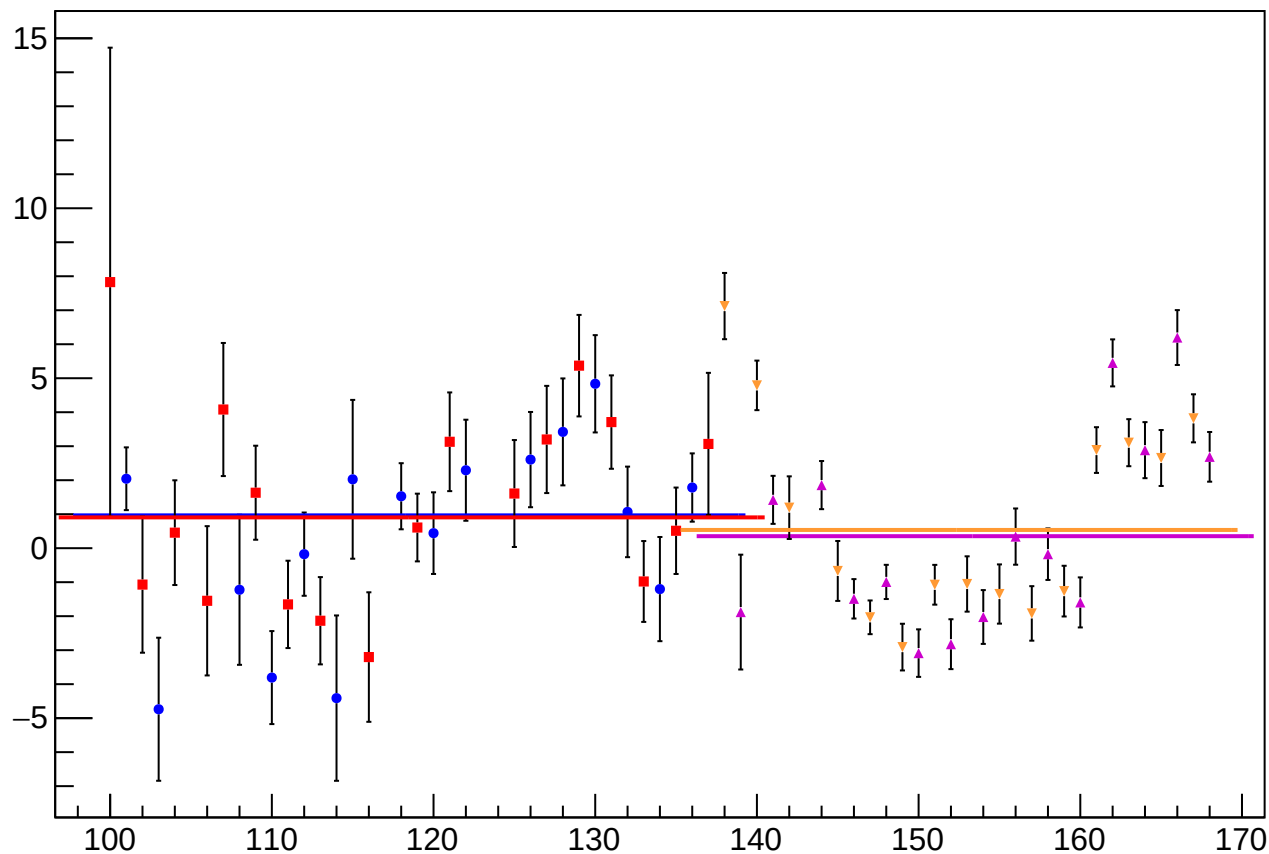
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.772 $\pm$ 0.263 χ^2 /NDF:410.3/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.446 $\pm$ 0.256 χ^2 /NDF:428.8/14

Left: -7.093 $\pm$ 0.184 χ^2 /NDF: 852.2/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -6.446 $\pm$ 0.256 χ^2 /NDF:428.8/14
 Out: -7.772 $\pm$ 0.263 χ^2 /NDF:410.3/14
 All: -7.093 $\pm$ 0.184 χ^2 /NDF: 852.2/29

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.965 ± 0.338 χ^2/NDF : 42.9/15

Left Out: 0.537 ± 0.187 χ^2/NDF : 219.6/14

Right Out: 0.906 ± 0.354 χ^2/NDF : 42.0/17

Left In: 0.353 ± 0.186 χ^2/NDF : 211.6/14

Left: 0.444 ± 0.132 χ^2/NDF : 431.7/29

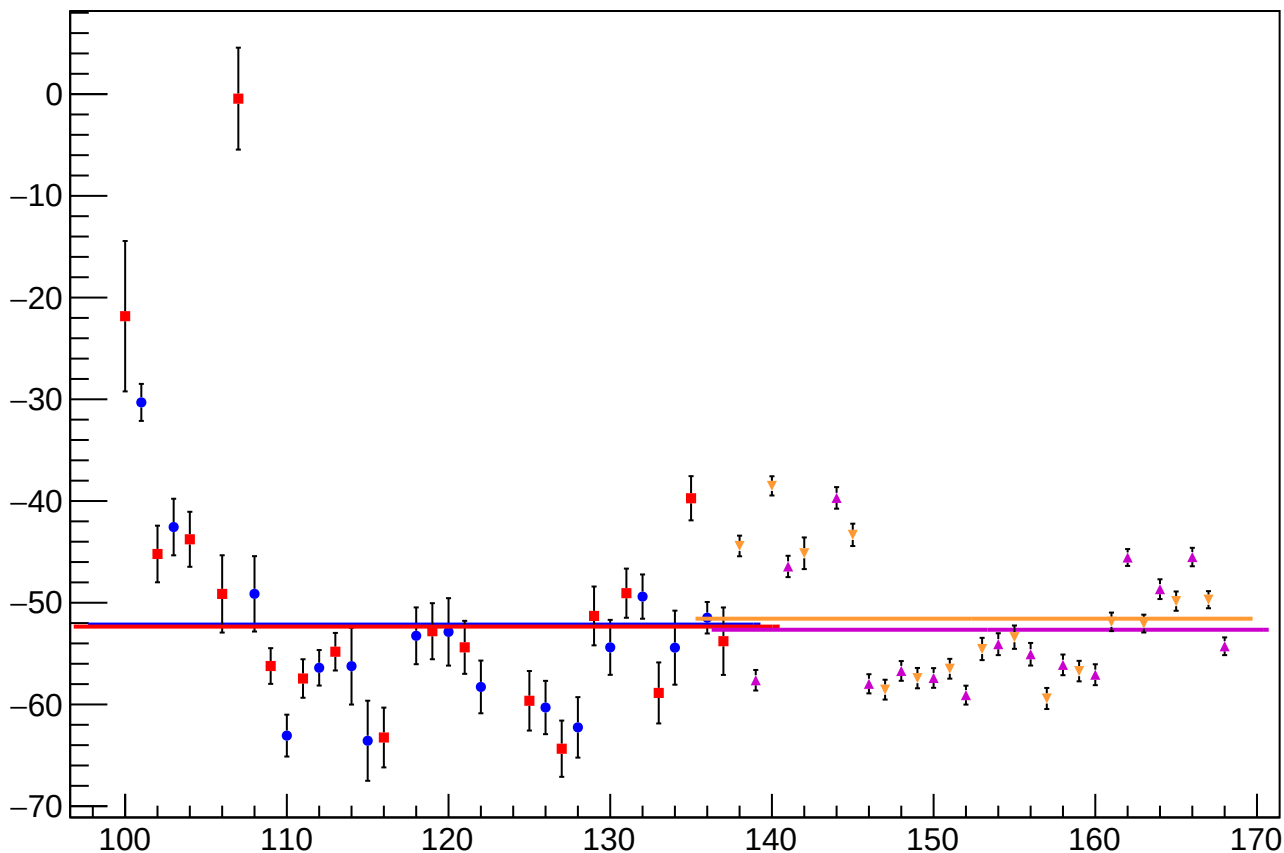
Right: 0.937 ± 0.244 χ^2/NDF : 84.9/33

In: 0.496 ± 0.163 χ^2/NDF : 257.1/30

Out: 0.618 ± 0.166 χ^2/NDF : 262.4/32

All: 0.556 ± 0.116 χ^2/NDF : 519.8/63

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.148 ± 0.612 $\chi^2/\text{NDF}: 230.2/15$

Left Out: -51.568 ± 0.258 $\chi^2/\text{NDF}: 527.1/14$

Right Out: -52.346 ± 0.616 $\chi^2/\text{NDF}: 235.7/17$

Left In: -52.656 ± 0.251 $\chi^2/\text{NDF}: 522.5/14$

Left: -52.127 ± 0.180 $\chi^2/\text{NDF}: 1058.7/29$

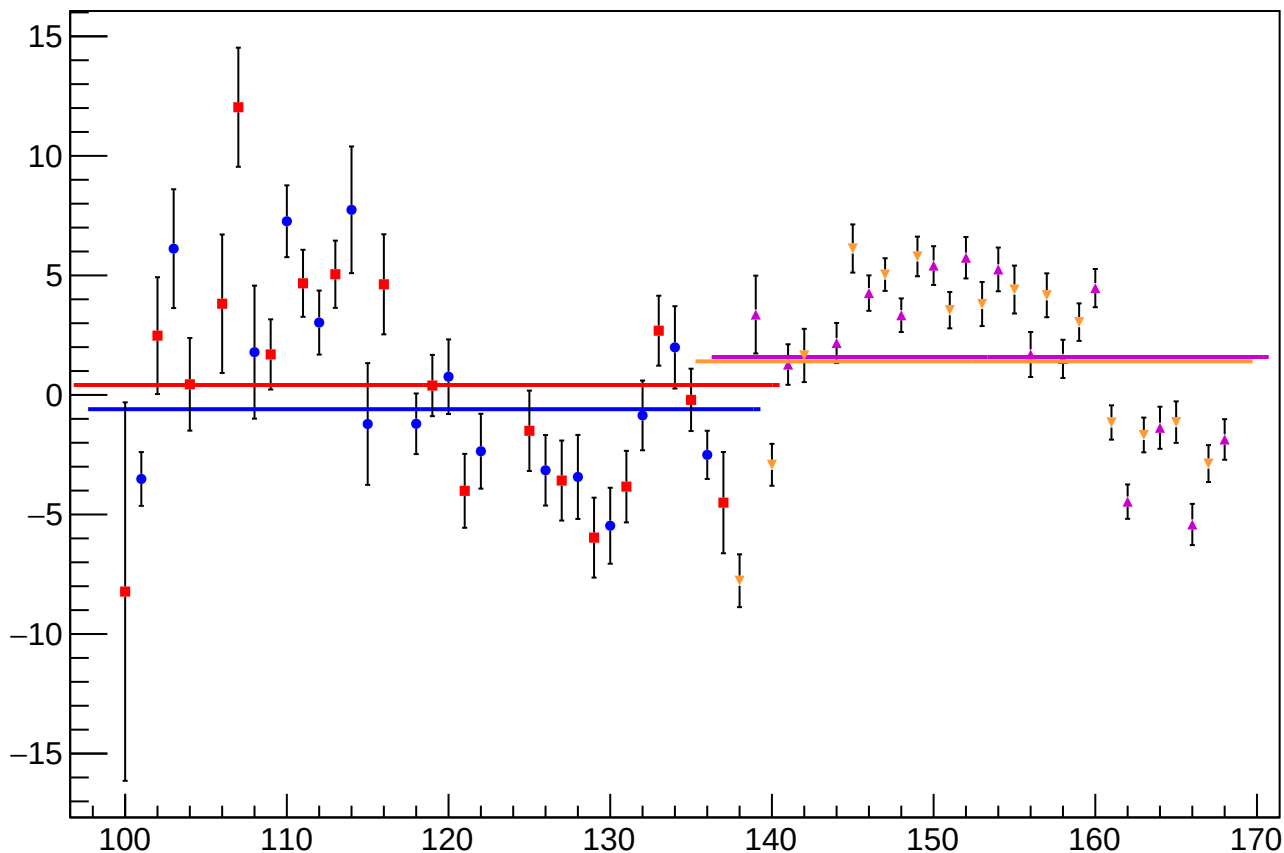
Right: -52.246 ± 0.434 $\chi^2/\text{NDF}: 466.0/33$

In: -52.582 ± 0.232 $\chi^2/\text{NDF}: 753.3/30$

Out: -51.685 ± 0.238 $\chi^2/\text{NDF}: 764.2/32$

All: -52.145 ± 0.166 $\chi^2/\text{NDF}: 1524.8/63$

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.596 ± 0.384 χ^2/NDF : 82.6/15

Left Out: 1.405 ± 0.218 χ^2/NDF : 278.5/14

Right Out: 0.416 ± 0.400 χ^2/NDF : 95.8/17

Left In: 1.587 ± 0.217 χ^2/NDF : 259.8/14

Left: 1.497 ± 0.154 χ^2/NDF : 538.6/29

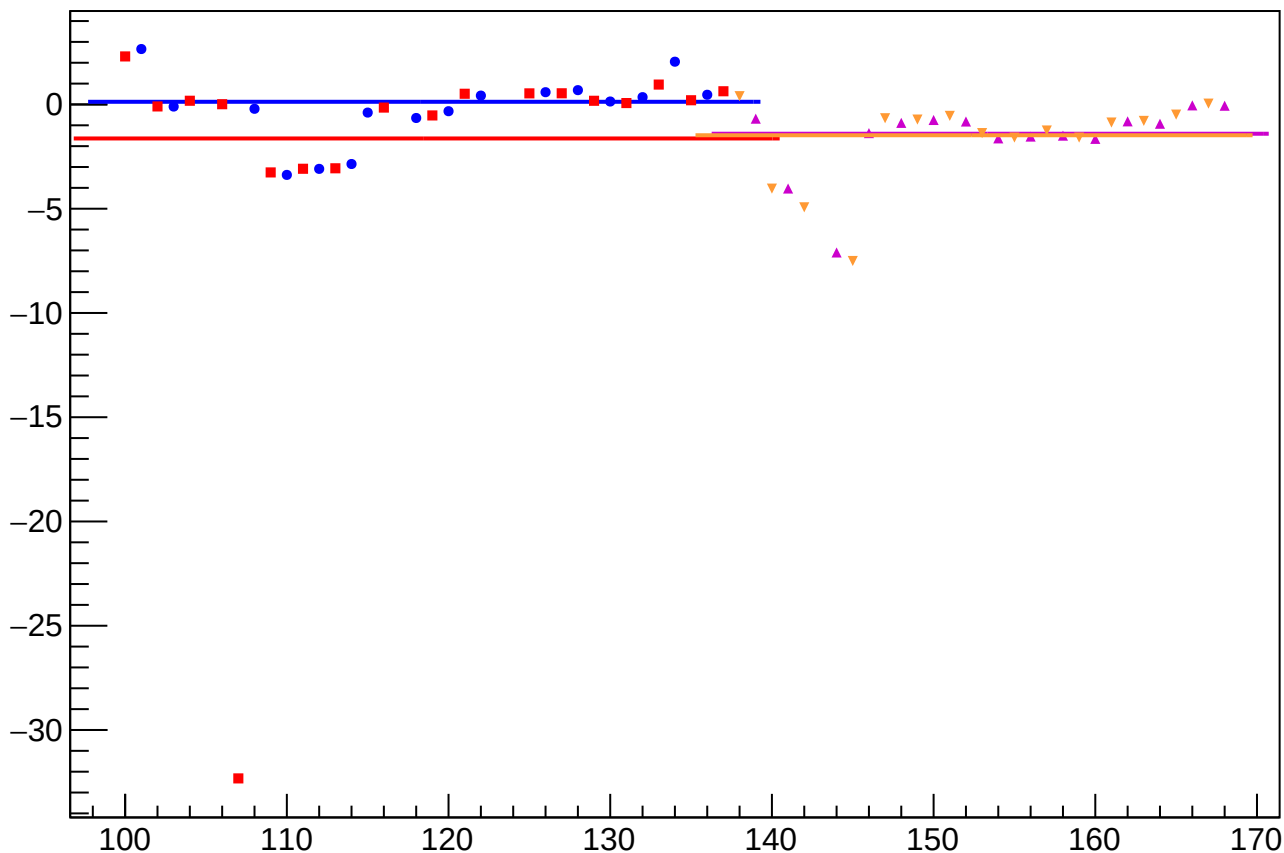
Right: -0.111 ± 0.277 χ^2/NDF : 181.7/33

In: 1.059 ± 0.189 χ^2/NDF : 366.9/30

Out: 1.178 ± 0.191 χ^2/NDF : 379.0/32

All: 1.118 ± 0.134 χ^2/NDF : 746.1/63

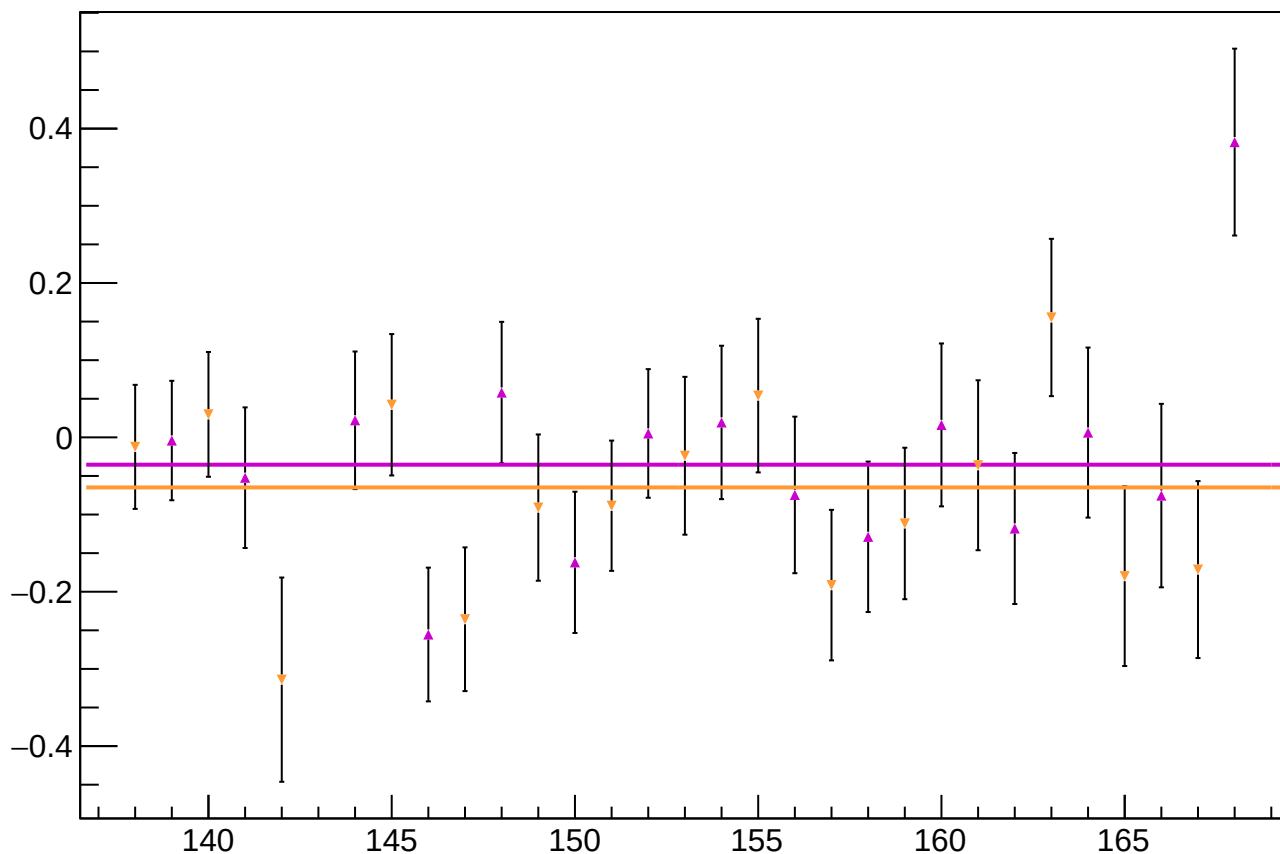
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.128+/-0.021 χ^2/NDF : 5252.9/15
 Left Out: -1.477+/-0.010 χ^2/NDF : 33174.9/14
 Right Out: -1.631+/-0.022 χ^2/NDF : 77878.6/17
 Left In: -1.404+/-0.010 χ^2/NDF : 23428.5/14

Left: -1.440+/-0.007 χ^2/NDF : 56629.7/29
 Right: -0.739+/-0.015 χ^2/NDF : 86433.1/33
 In: -1.136+/-0.009 χ^2/NDF : 32874.4/30
 Out: -1.504+/-0.009 χ^2/NDF : 111094.6/32
 All: -1.316+/-0.006 χ^2/NDF : 144786.9/63

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.065 $\pm$ 0.025 χ^2 /NDF:20.3/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.035 $\pm$ 0.025 χ^2 /NDF:24.8/14

Left: -0.050 $\pm$ 0.018 χ^2 /NDF: 45.8/29

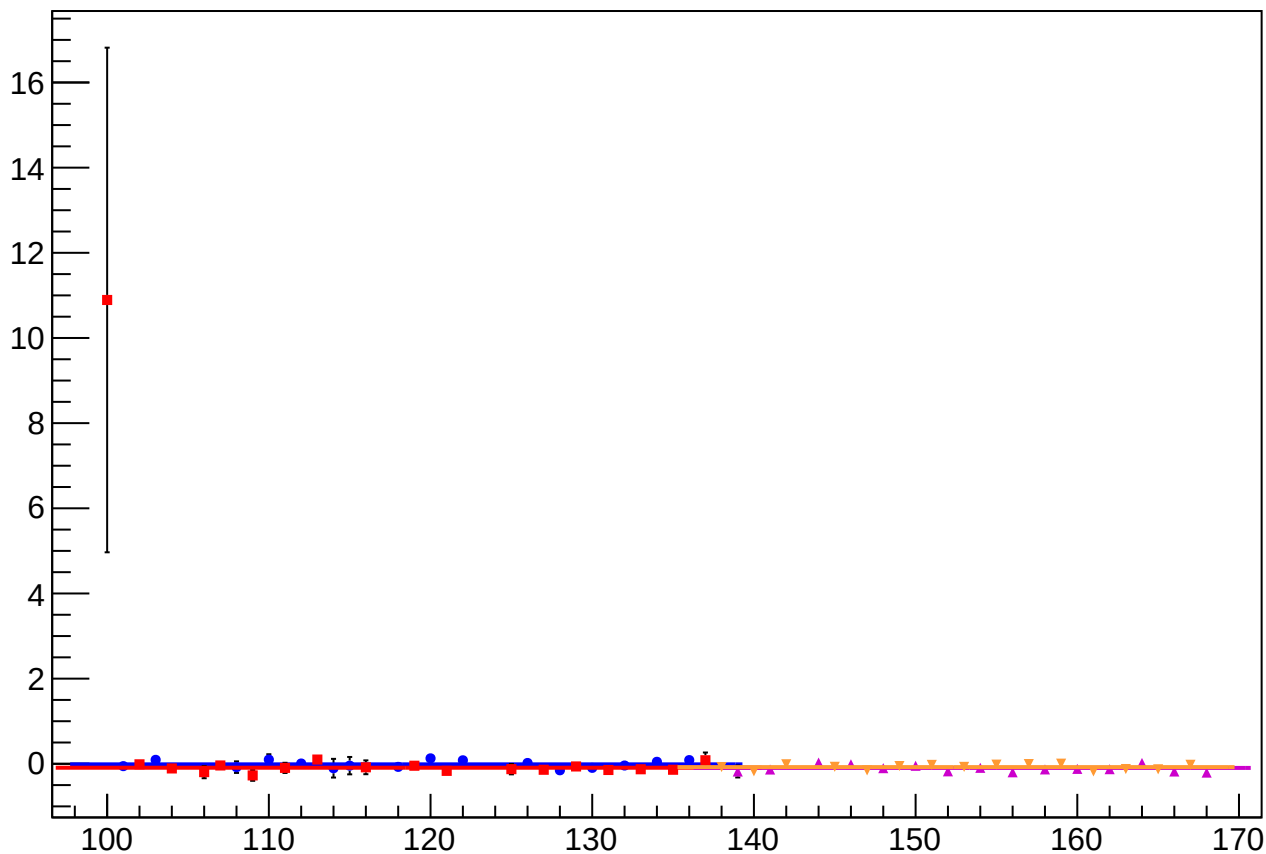
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.035 $\pm$ 0.025 χ^2 /NDF:24.8/14

Out: -0.065 $\pm$ 0.025 χ^2 /NDF:20.3/14

All: -0.050 $\pm$ 0.018 χ^2 /NDF: 45.8/29

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 12.2/15

Left Out: -0.078 ± 0.018 χ^2/NDF : 13.0/14

Right Out: -0.092 ± 0.025 χ^2/NDF : 12.7/17

Left In: -0.097 ± 0.018 χ^2/NDF : 15.6/14

Left: -0.087 ± 0.012 χ^2/NDF : 29.2/29

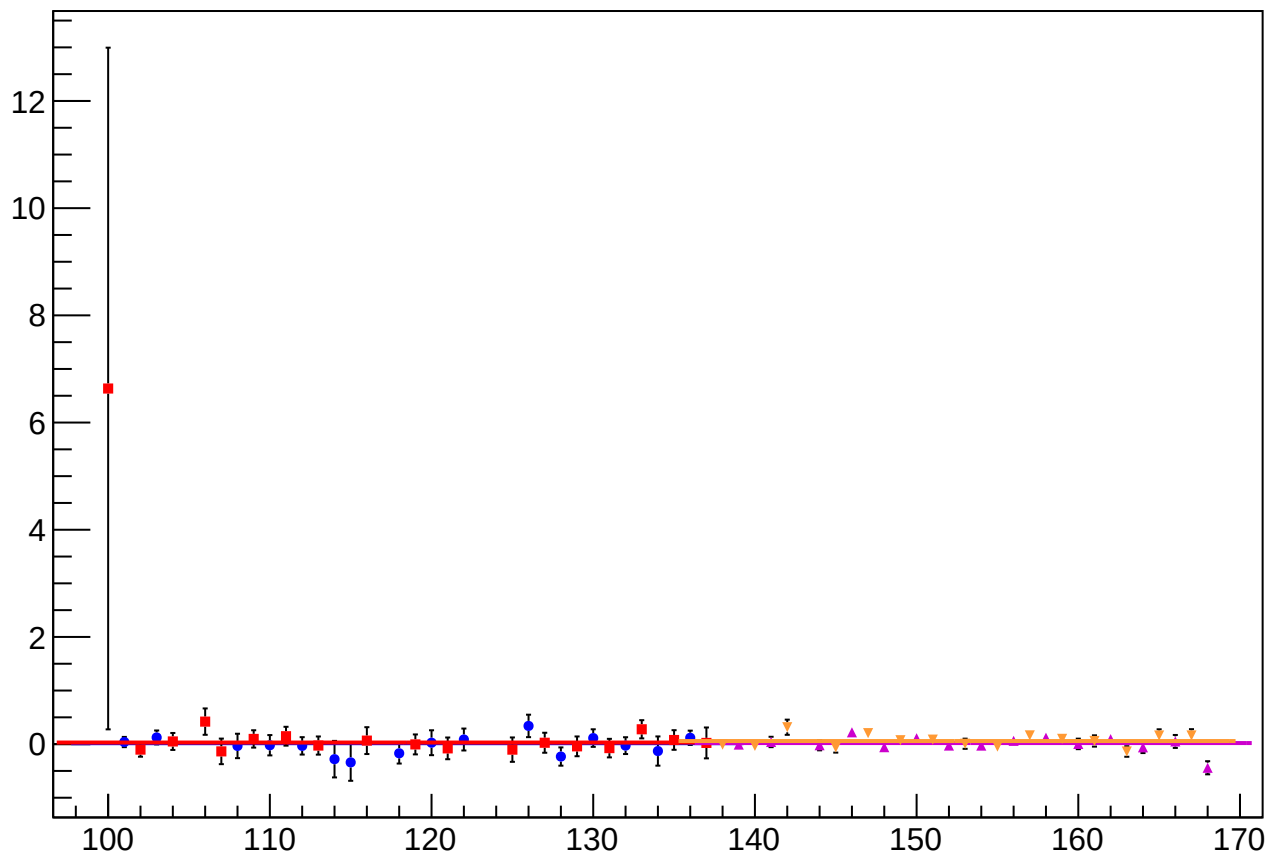
Right: -0.050 ± 0.017 χ^2/NDF : 30.3/33

In: -0.066 ± 0.014 χ^2/NDF : 36.1/30

Out: -0.083 ± 0.014 χ^2/NDF : 25.9/32

All: -0.074 ± 0.010 χ^2/NDF : 62.6/63

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.017+/-0.043 χ^2/NDF : 9.6/15

Left Out: 0.058+/-0.025 χ^2/NDF :18.2/14

Right Out: 0.030+/-0.045 χ^2/NDF : 9.2/17

Left In: 0.020+/-0.024 χ^2/NDF :25.5/14

Left: 0.038+/-0.017 χ^2/NDF : 45.0/29

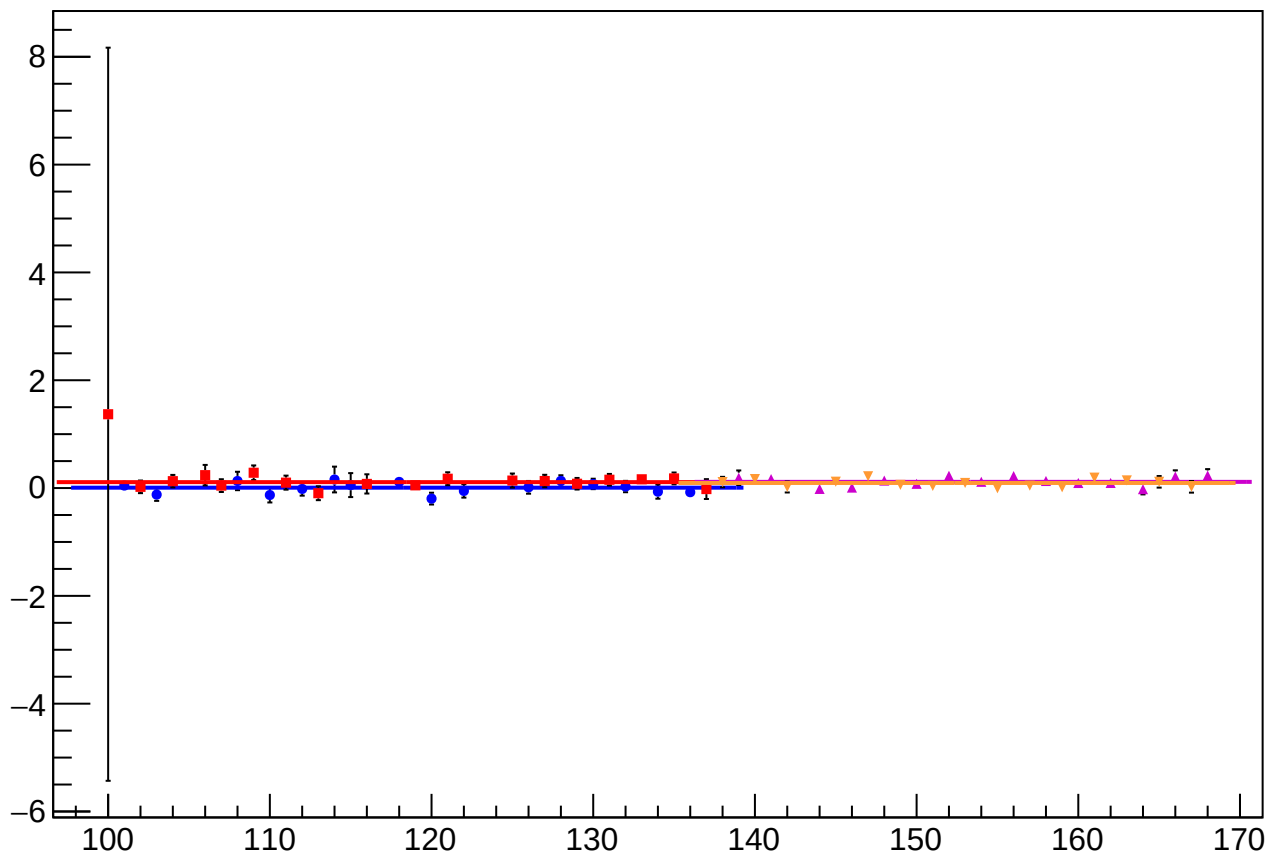
Right: 0.023+/-0.031 χ^2/NDF : 18.9/33

In: 0.019+/-0.021 χ^2/NDF :35.2/30

Out: 0.051+/-0.022 χ^2/NDF :27.7/32

All: 0.035+/-0.015 χ^2/NDF : 64.0/63

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 12.1/15

Left Out: 0.094 $\pm$ 0.021 χ^2 /NDF:12.0/14

Right Out: 0.110 $\pm$ 0.029 χ^2 /NDF: 8.0/17

Left In: 0.115 $\pm$ 0.021 χ^2 /NDF:14.7/14

Left: 0.105 $\pm$ 0.015 χ^2 /NDF: 27.2/29

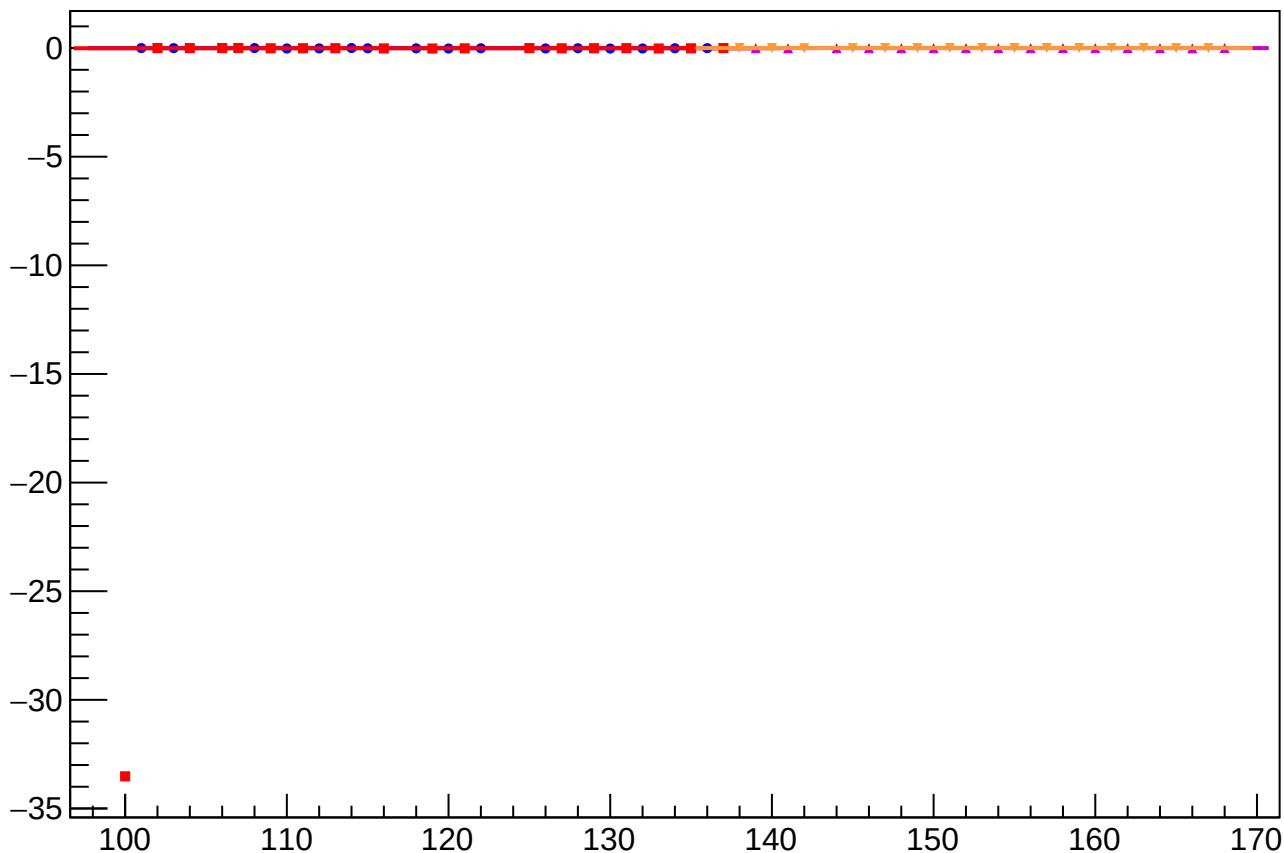
Right: 0.055 $\pm$ 0.020 χ^2 /NDF: 27.0/33

In: 0.075 $\pm$ 0.016 χ^2 /NDF:36.9/30

Out: 0.100 $\pm$ 0.017 χ^2 /NDF:20.1/32

All: 0.087 $\pm$ 0.012 χ^2 /NDF: 58.2/63

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 22.6/15

Left Out: 0.001 $\pm$ 0.001 χ^2 /NDF:11.1/14

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26508.9/17

Left In: 0.000 $\pm$ 0.001 χ^2 /NDF:11.2/14

Left: 0.001 $\pm$ 0.001 χ^2 /NDF: 22.8/29

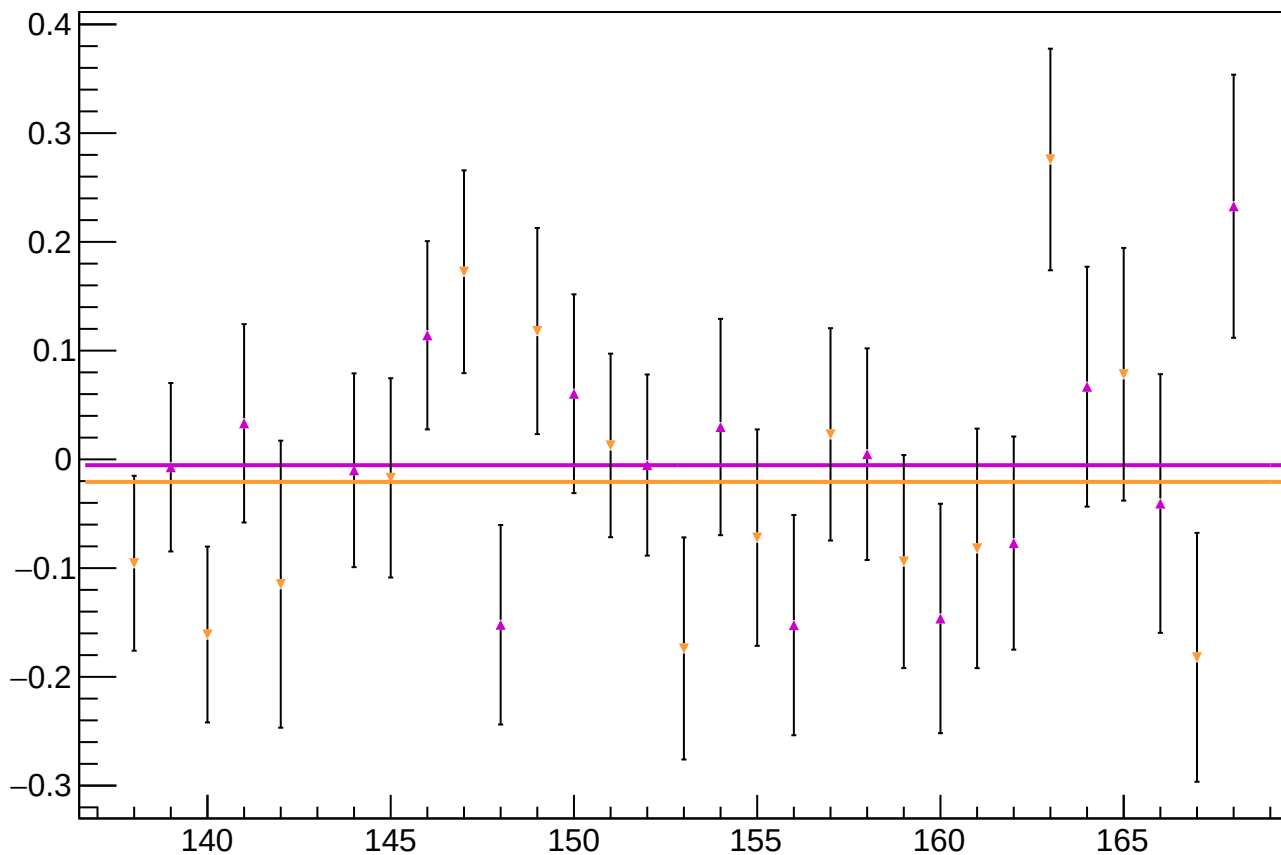
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 26531.6/33

In: -0.002 $\pm$ 0.001 χ^2 /NDF:44.2/30

Out: -0.001 $\pm$ 0.001 χ^2 /NDF:26535.6/32

All: -0.001 $\pm$ 0.001 χ^2 /NDF: 26580.0/63

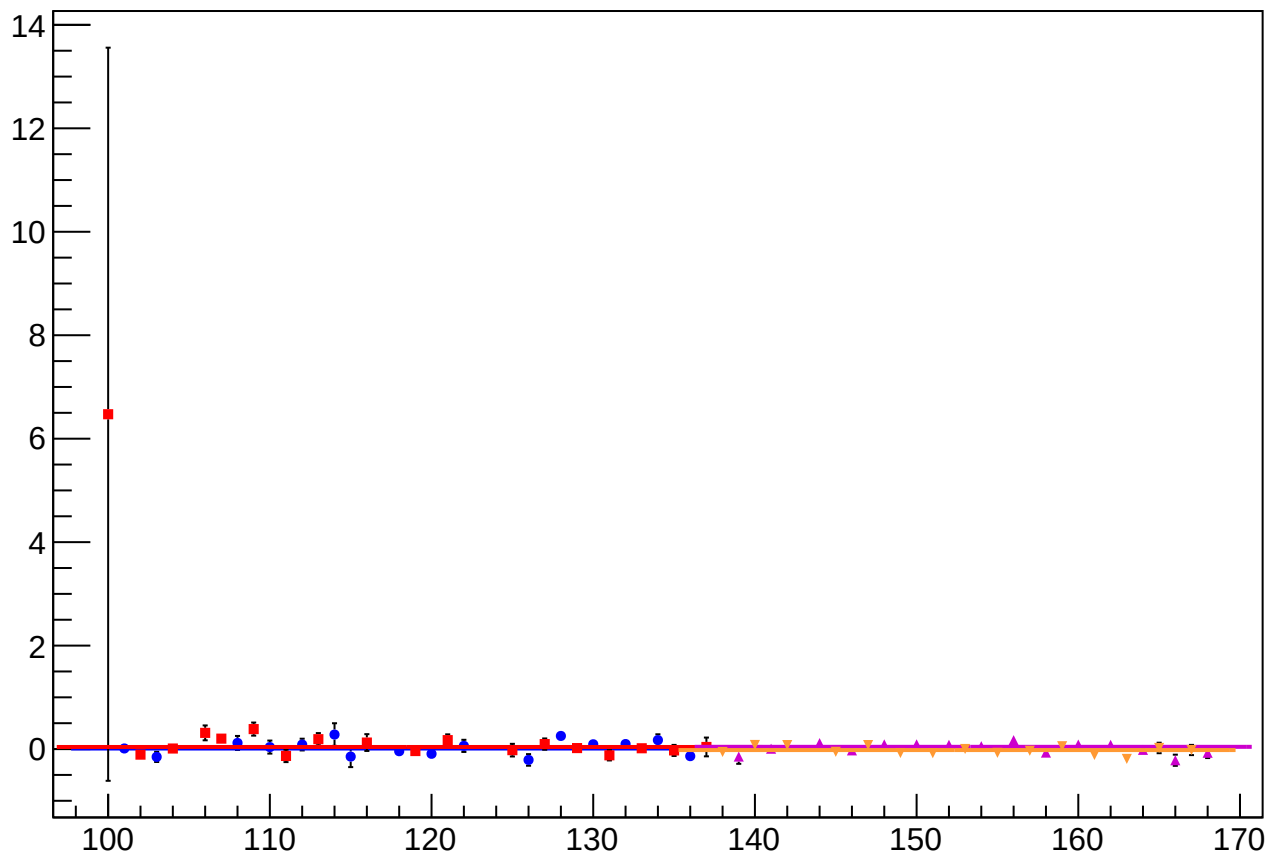
reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.021 $\pm$ 0.025 χ^2 /NDF:25.7/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.005 $\pm$ 0.025 χ^2 /NDF:14.1/14

Left: -0.013 $\pm$ 0.018 χ^2 /NDF: 40.1/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.005 $\pm$ 0.025 χ^2 /NDF:14.1/14
 Out: -0.021 $\pm$ 0.025 χ^2 /NDF:25.7/14
 All: -0.013 $\pm$ 0.018 χ^2 /NDF: 40.1/29

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.023 χ^2 /NDF: 25.4/15

Left Out: -0.019 $\pm$ 0.018 χ^2 /NDF:19.5/14

Right Out: 0.040 $\pm$ 0.025 χ^2 /NDF: 27.9/17

Left In: 0.043 $\pm$ 0.018 χ^2 /NDF:21.6/14

Left: 0.012 $\pm$ 0.012 χ^2 /NDF: 47.5/29

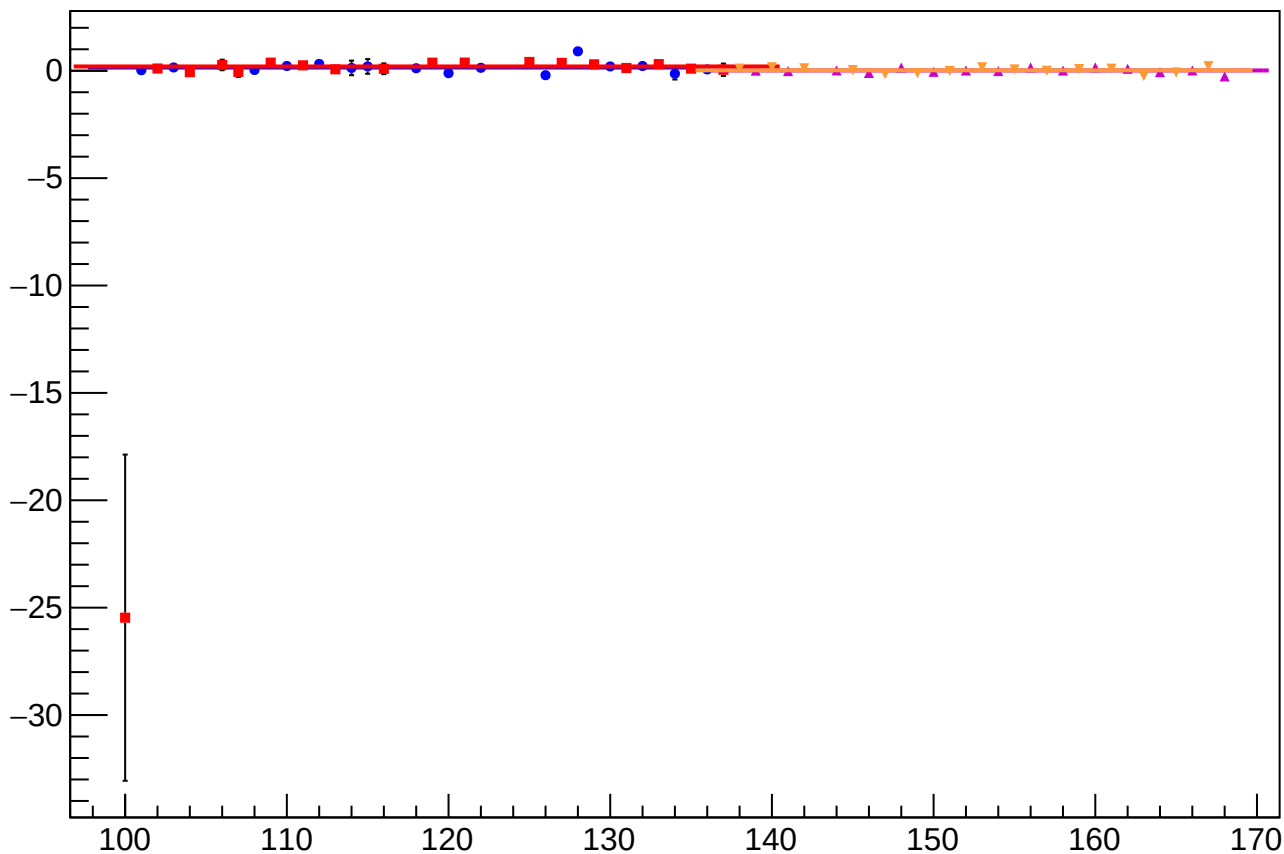
Right: 0.024 $\pm$ 0.017 χ^2 /NDF: 54.1/33

In: 0.031 $\pm$ 0.014 χ^2 /NDF:48.3/30

Out: 0.001 $\pm$ 0.014 χ^2 /NDF:51.3/32

All: 0.016 $\pm$ 0.010 χ^2 /NDF: 102.0/63

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.152 $\pm$ 0.043 χ^2 /NDF: 28.7/15

Left Out: 0.020 $\pm$ 0.025 χ^2 /NDF:25.1/14

Right Out: 0.200 $\pm$ 0.045 χ^2 /NDF: 22.9/17

Left In: 0.014 $\pm$ 0.024 χ^2 /NDF:15.9/14

Left: 0.017 $\pm$ 0.017 χ^2 /NDF: 41.0/29

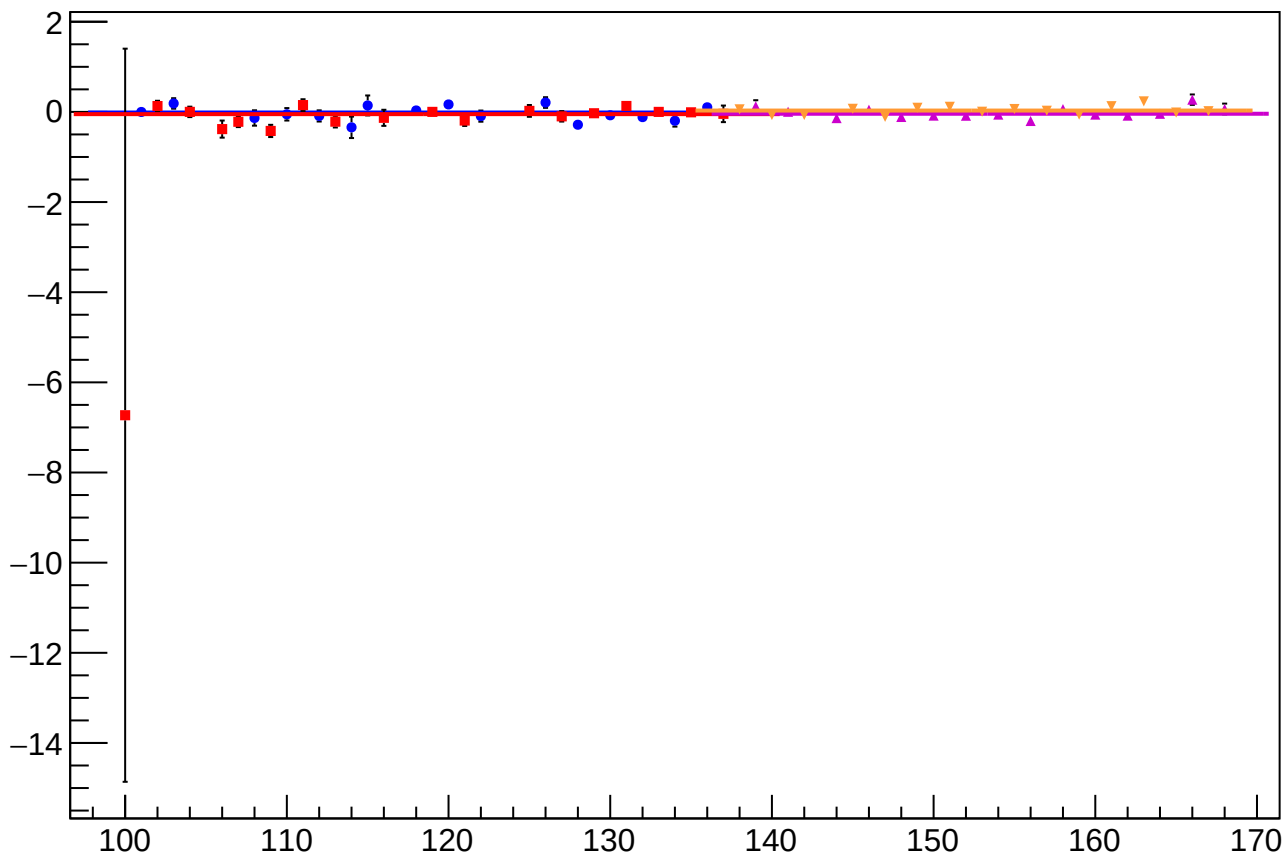
Right: 0.175 $\pm$ 0.031 χ^2 /NDF: 52.2/33

In: 0.047 $\pm$ 0.021 χ^2 /NDF:52.5/30

Out: 0.062 $\pm$ 0.022 χ^2 /NDF:60.3/32

All: 0.054 $\pm$ 0.015 χ^2 /NDF: 113.0/63

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.014 ± 0.027 χ^2/NDF : 25.2/15

Left Out: 0.030 ± 0.021 χ^2/NDF : 20.2/14

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.7/17

Left In: -0.041 ± 0.021 χ^2/NDF : 22.0/14

Left: -0.006 ± 0.015 χ^2/NDF : 48.1/29

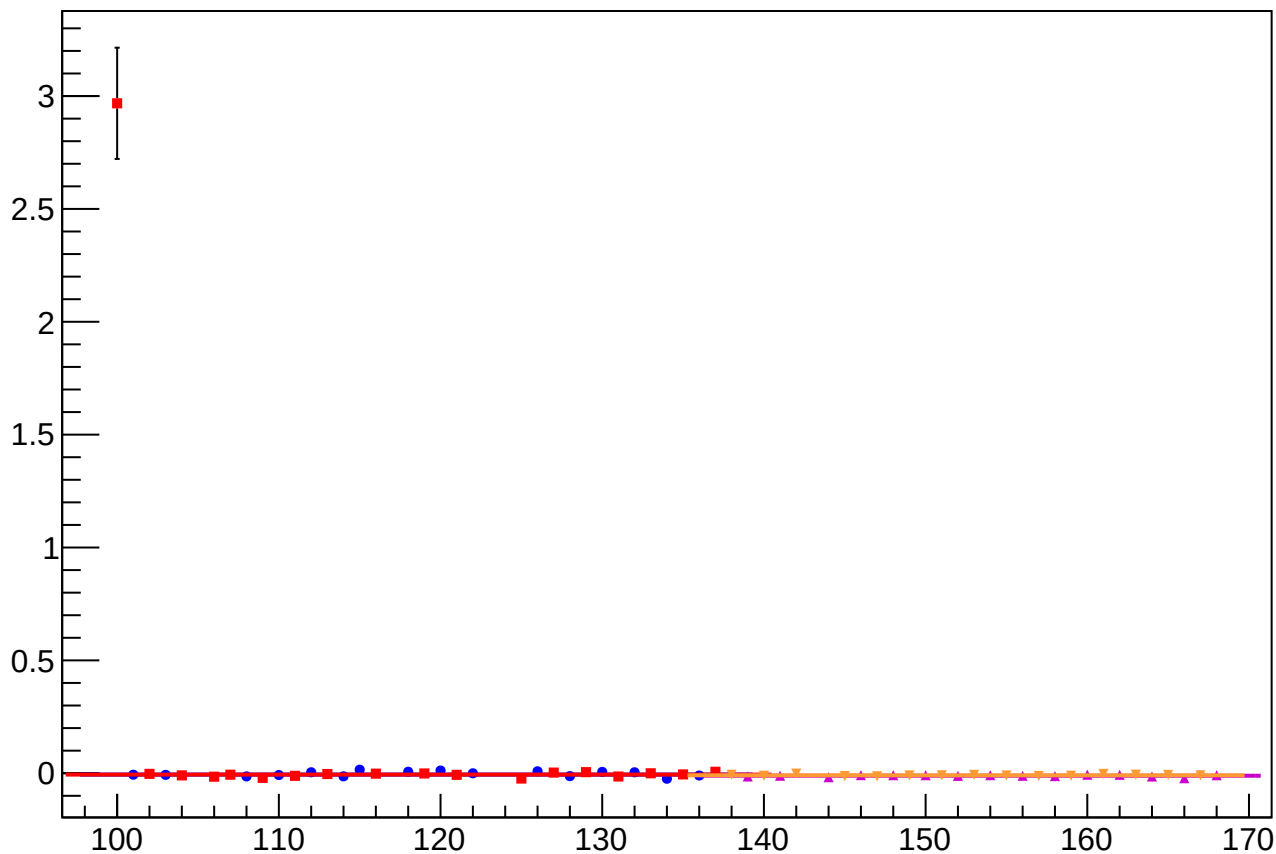
Right: -0.031 ± 0.020 χ^2/NDF : 51.8/33

In: -0.031 ± 0.016 χ^2/NDF : 47.8/30

Out: 0.002 ± 0.017 χ^2/NDF : 51.0/32

All: -0.015 ± 0.012 χ^2/NDF : 100.9/63

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.001 χ^2 /NDF: 29.0/15

Left Out: -0.009+/-0.001 χ^2 /NDF:9.2/14

Right Out: -0.006+/-0.001 χ^2 /NDF: 165.9/17

Left In: -0.011+/-0.001 χ^2 /NDF:13.6/14

Left: -0.010+/-0.001 χ^2 /NDF: 24.9/29

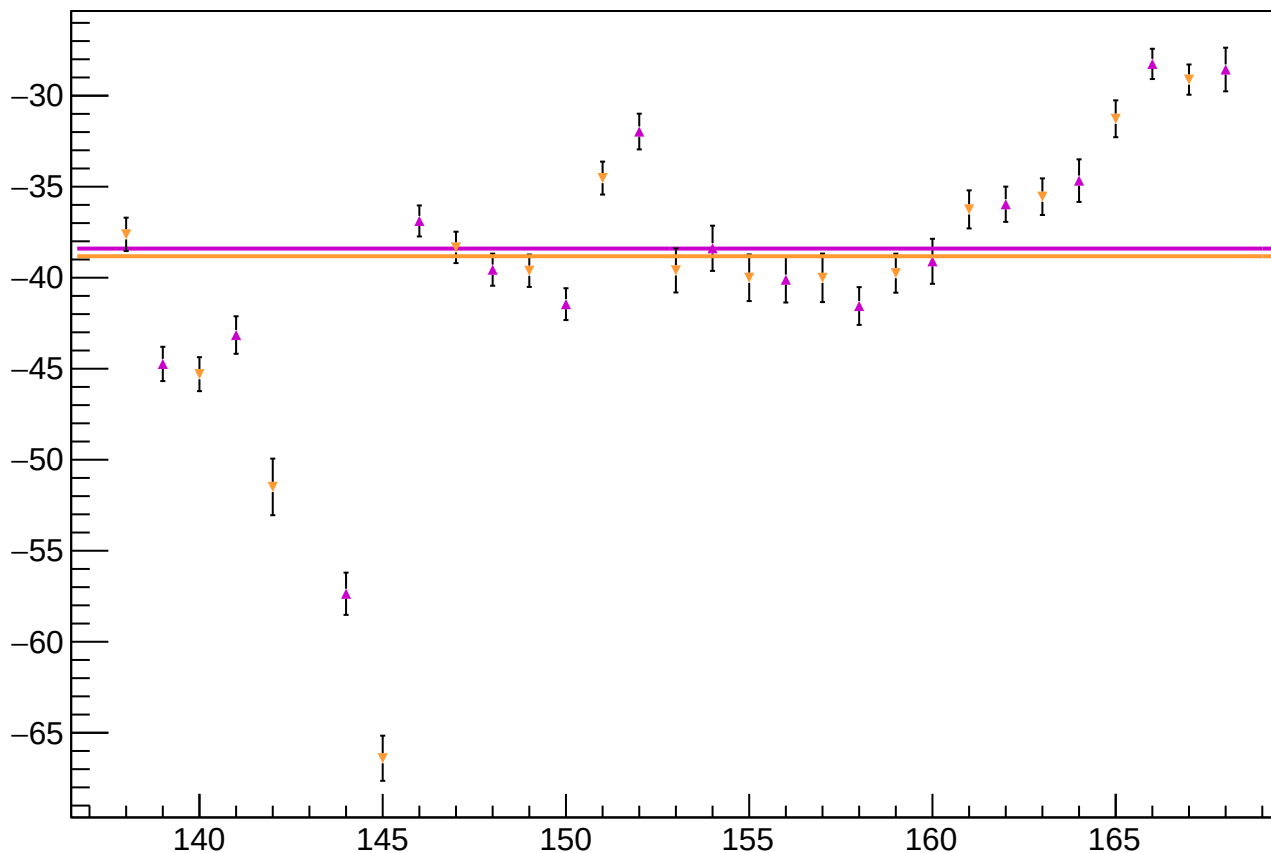
Right: -0.006+/-0.001 χ^2 /NDF: 194.8/33

In: -0.010+/-0.001 χ^2 /NDF:51.1/30

Out: -0.008+/-0.001 χ^2 /NDF:178.3/32

All: -0.009+/-0.001 χ^2 /NDF: 230.8/63

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



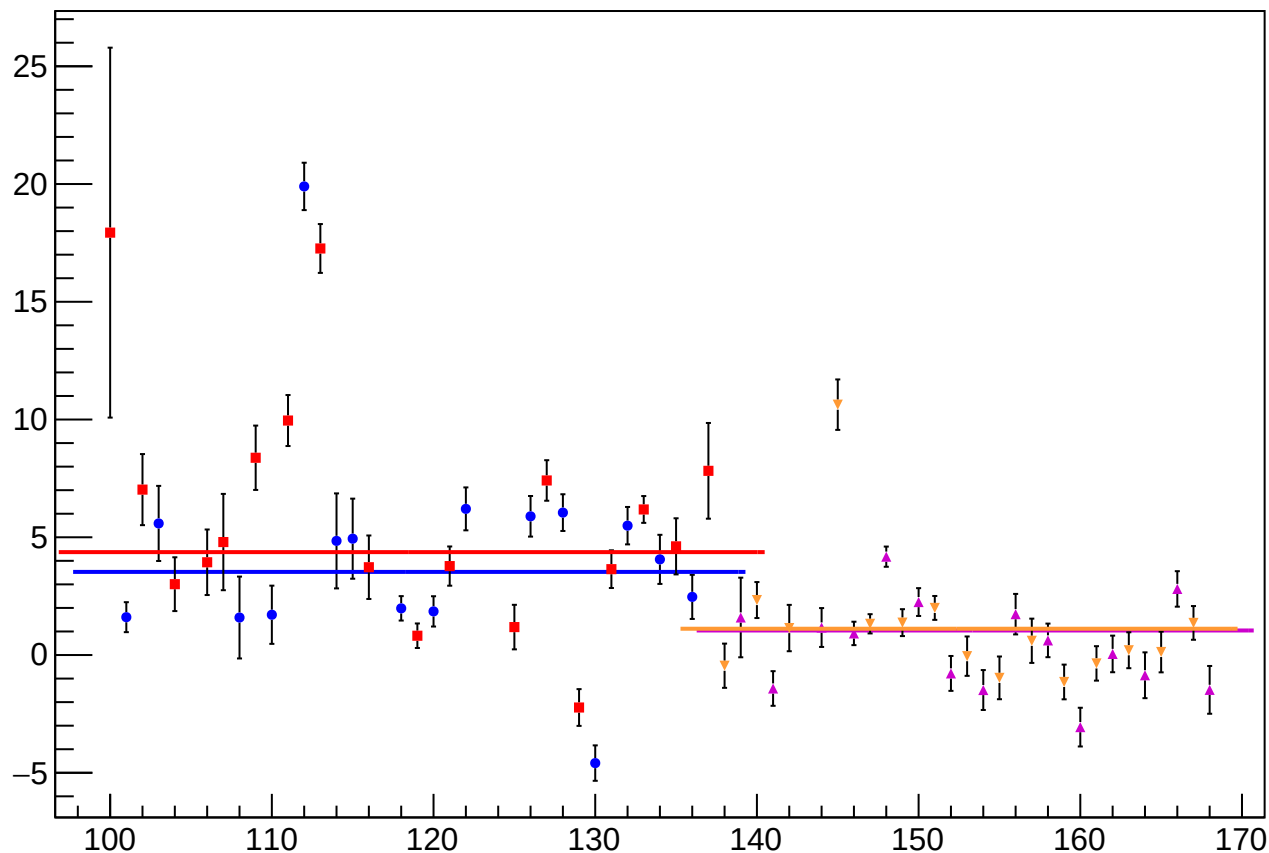
Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left Out: -38.822+/-0.265 χ^2 /NDF:846.7/14
 Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left In: -38.400+/-0.261 χ^2 /NDF:637.8/14

Left: -38.609+/-0.186 χ^2 /NDF: 1485.8/29
 Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: -38.400+/-0.261 χ^2 /NDF:637.8/14
 Out: -38.822+/-0.265 χ^2 /NDF:846.7/14

All: -38.609+/-0.186 χ^2 /NDF: 1485.8/29

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.530 $\pm$ 0.217 χ^2 /NDF: 446.6/15

Left Out: 1.117 $\pm$ 0.182 χ^2 /NDF:111.6/14

Right Out: 4.370 $\pm$ 0.225 χ^2 /NDF: 353.8/17

Left In: 1.042 $\pm$ 0.184 χ^2 /NDF:126.9/14

Left: 1.080 $\pm$ 0.129 χ^2 /NDF: 238.6/29

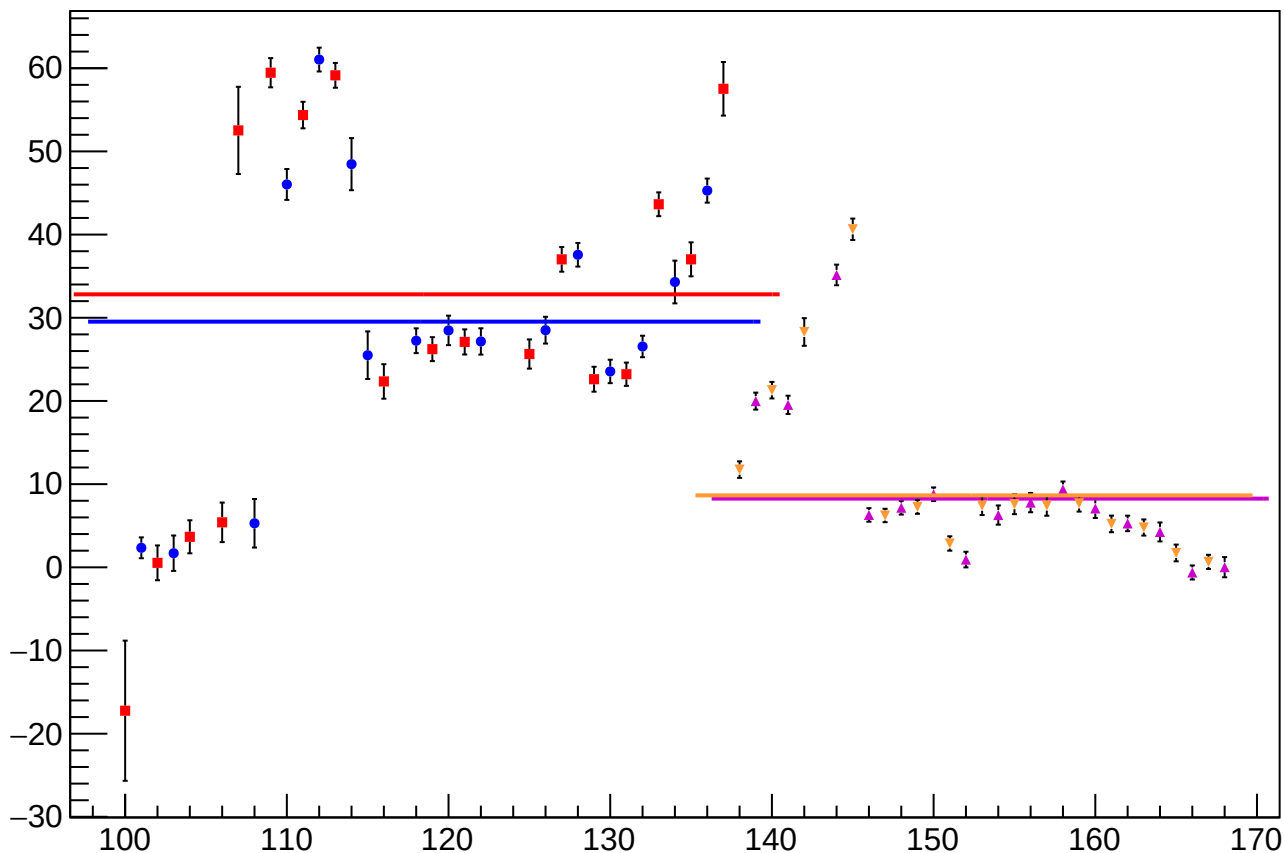
Right: 3.934 $\pm$ 0.156 χ^2 /NDF: 807.6/33

In: 2.082 $\pm$ 0.141 χ^2 /NDF:649.8/30

Out: 2.400 $\pm$ 0.142 χ^2 /NDF:591.5/32

All: 2.240 $\pm$ 0.100 χ^2 /NDF: 1243.8/63

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.535 ± 0.417 $\chi^2/\text{NDF}: 1494.9/15$

Left Out: 8.648 ± 0.259 $\chi^2/\text{NDF}: 1153.6/14$

Right Out: 32.816 ± 0.423 $\chi^2/\text{NDF}: 1659.3/17$

Left In: 8.260 ± 0.255 $\chi^2/\text{NDF}: 960.3/14$

Left: 8.451 ± 0.182 $\chi^2/\text{NDF}: 2115.1/29$

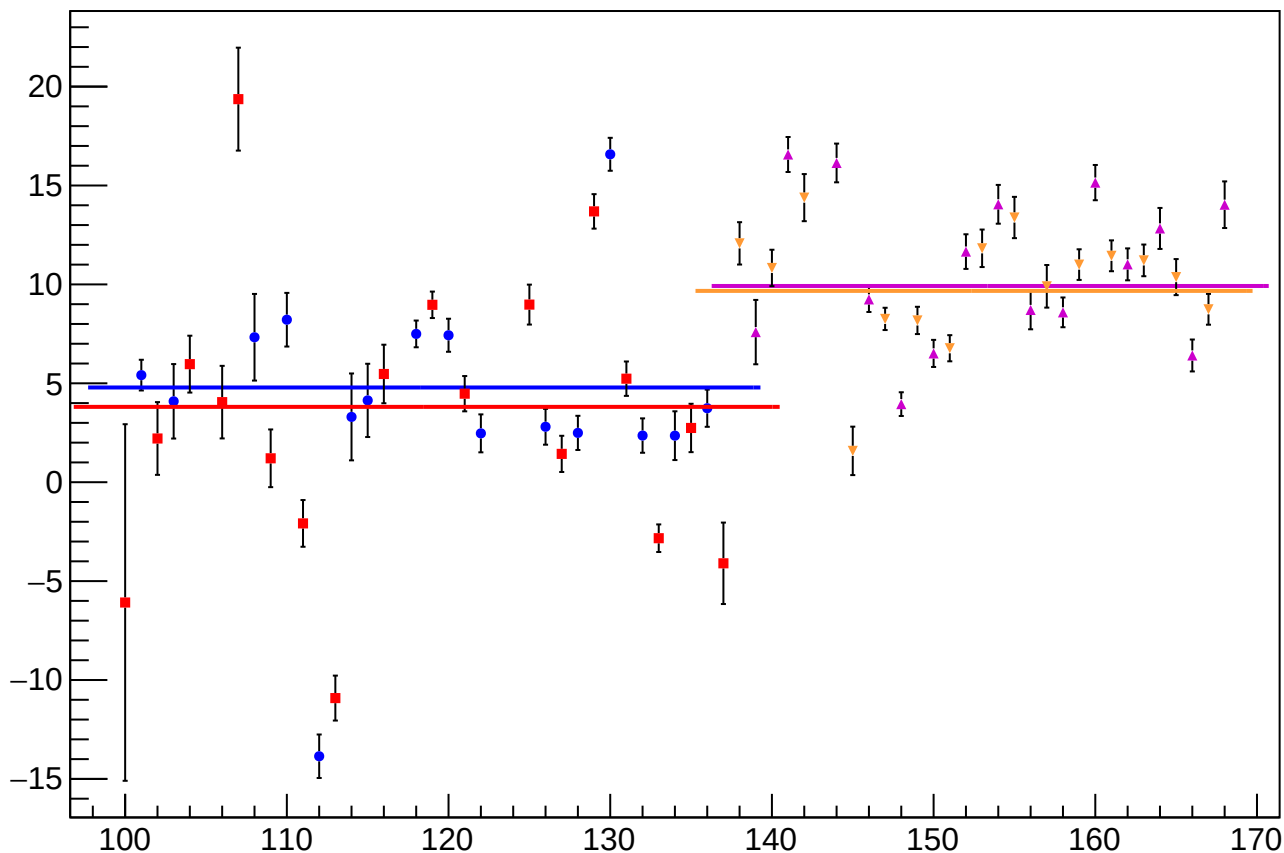
Right: 31.152 ± 0.297 $\chi^2/\text{NDF}: 3184.7/33$

In: 14.057 ± 0.218 $\chi^2/\text{NDF}: 4351.1/30$

Out: 15.237 ± 0.221 $\chi^2/\text{NDF}: 5189.0/32$

All: 14.638 ± 0.155 $\chi^2/\text{NDF}: 9554.6/63$

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.789 ± 0.251 χ^2/NDF : 553.9/15

Left Out: 9.672 ± 0.215 χ^2/NDF : 127.8/14

Right Out: 3.809 ± 0.259 χ^2/NDF : 567.6/17

Left In: 9.920 ± 0.217 χ^2/NDF : 325.5/14

Left: 9.795 ± 0.153 χ^2/NDF : 454.0/29

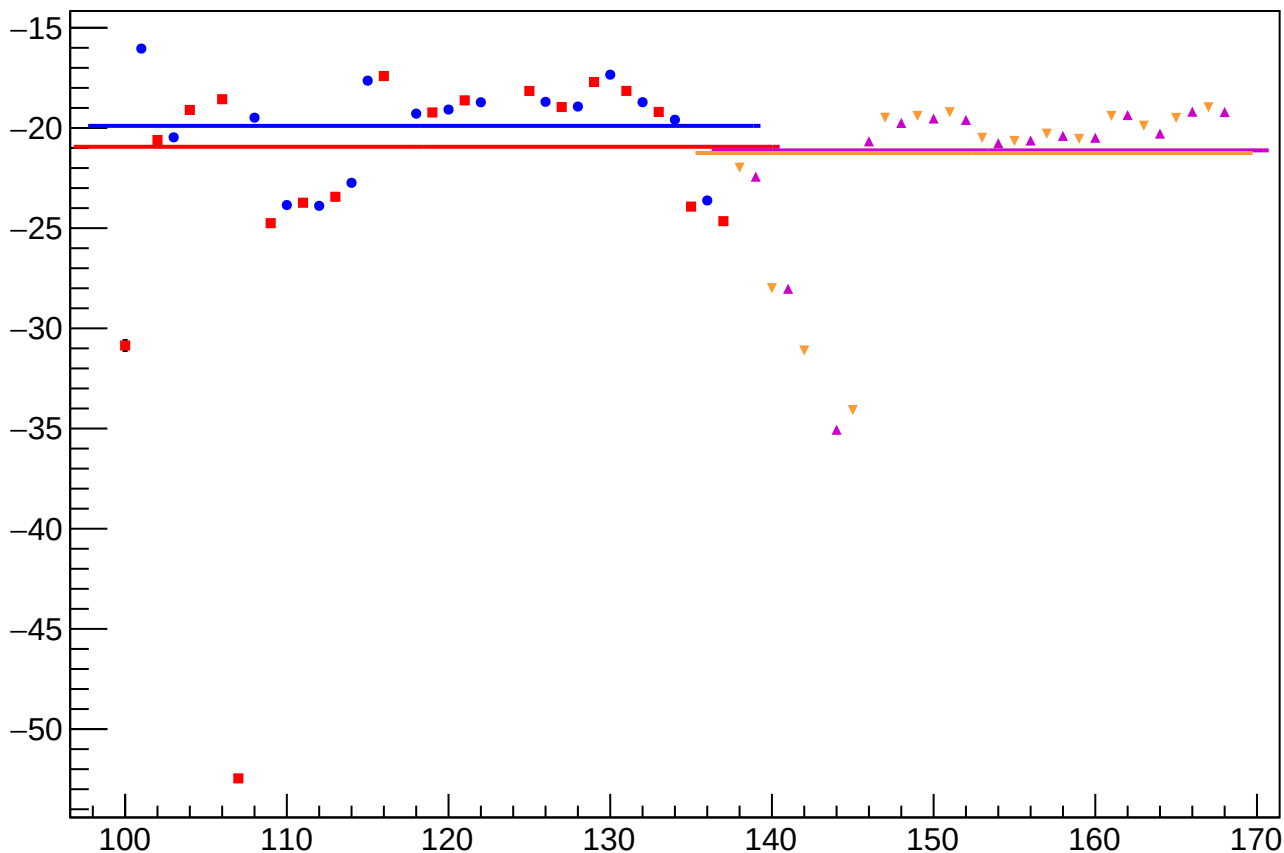
Right: 4.313 ± 0.180 χ^2/NDF : 1128.9/33

In: 7.727 ± 0.164 χ^2/NDF : 1118.4/30

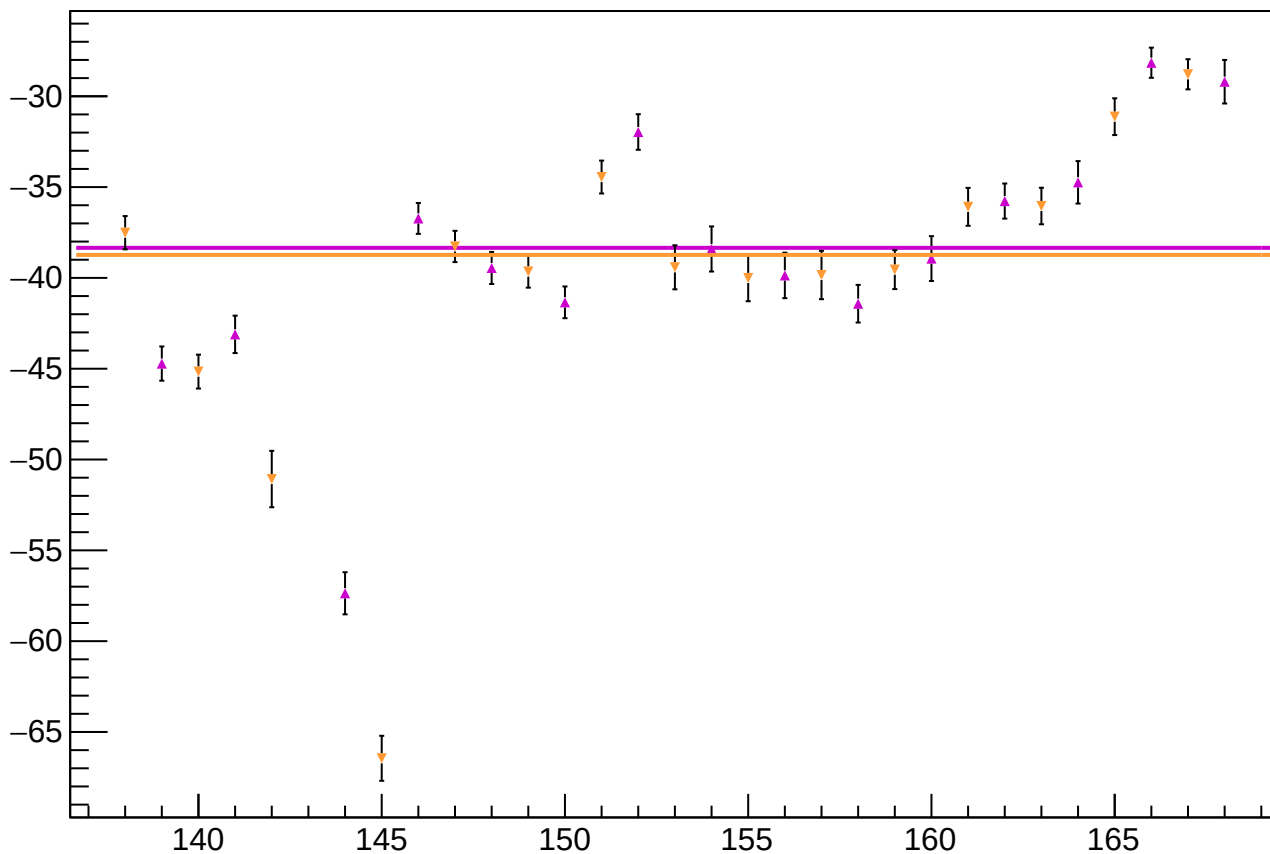
Out: 7.275 ± 0.166 χ^2/NDF : 998.7/32

All: 7.503 ± 0.117 χ^2/NDF : 2120.8/63

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -38.735 $\pm$ 0.264 χ^2 /NDF:853.1/14

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -38.345 $\pm$ 0.261 χ^2 /NDF:631.5/14

Left: -38.537 $\pm$ 0.186 χ^2 /NDF: 1485.7/29

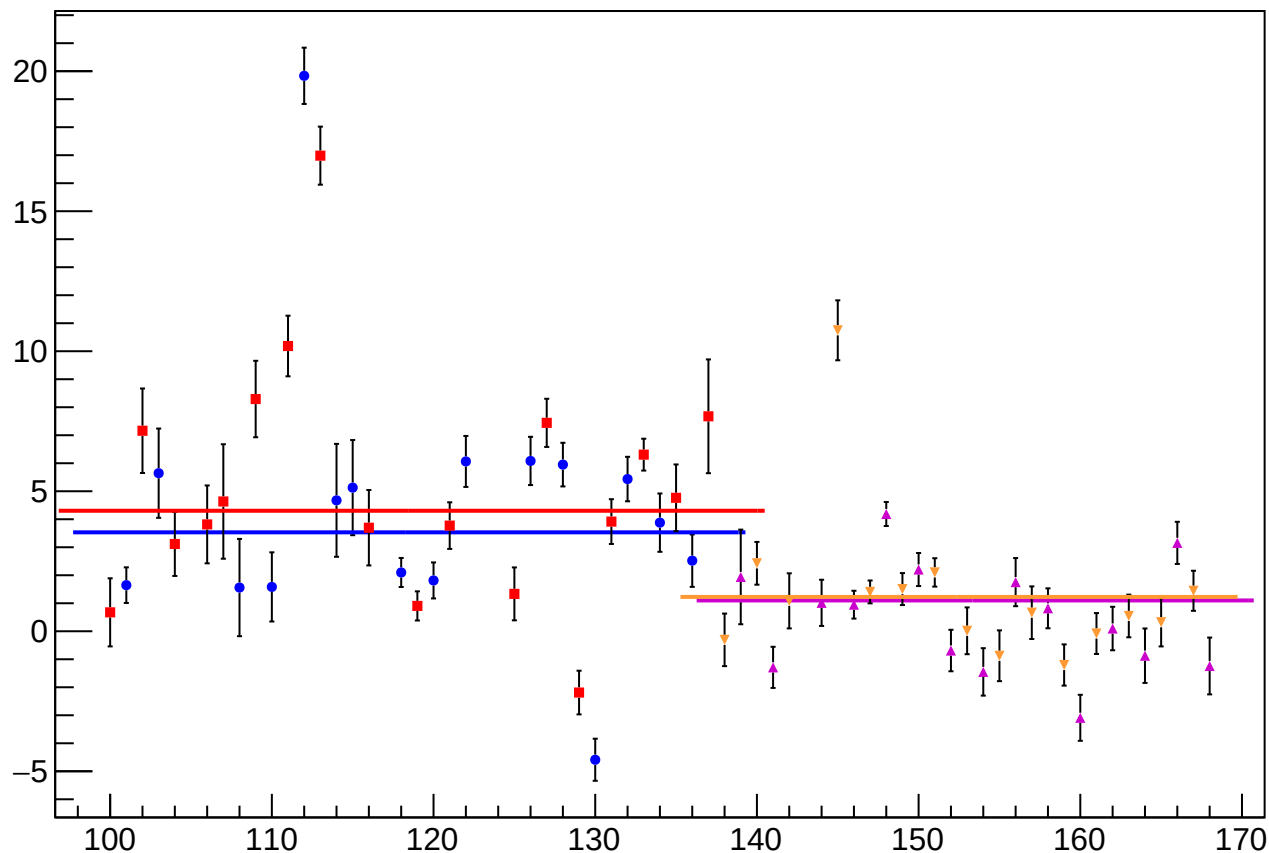
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -38.345 $\pm$ 0.261 χ^2 /NDF:631.5/14

Out: -38.735 $\pm$ 0.264 χ^2 /NDF:853.1/14

All: -38.537 $\pm$ 0.186 χ^2 /NDF: 1485.7/29

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Left: 1.164 $\pm$ 0.129 χ^2/NDF : 238.3/29

Right: 3.910 $\pm$ 0.155 χ^2/NDF : 802.2/33

In: 2.117 $\pm$ 0.140 χ^2/NDF : 642.7/30

Out: 2.465 $\pm$ 0.141 χ^2/NDF : 579.6/32

All: 2.291 $\pm$ 0.099 χ^2/NDF : 1225.4/63

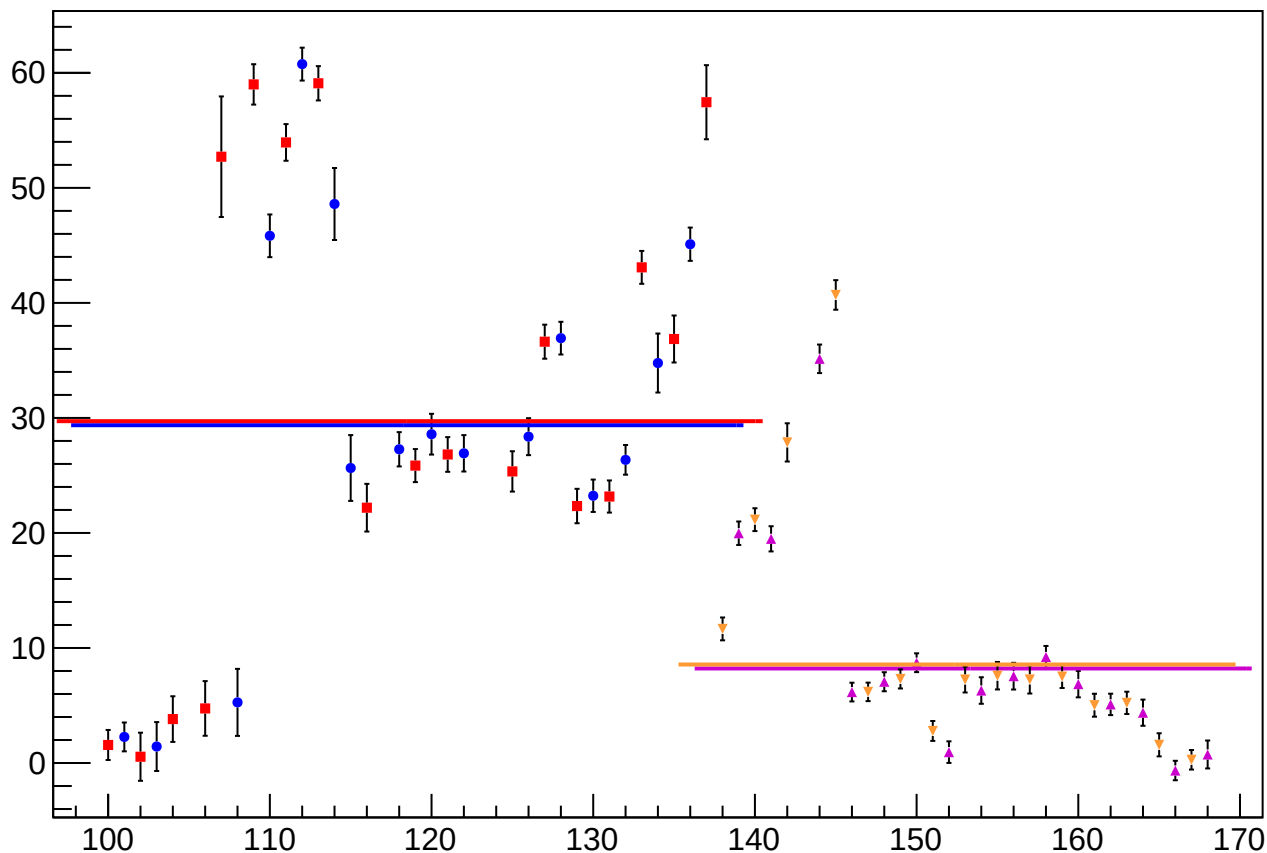
Right In: 3.532 $\pm$ 0.217 χ^2/NDF : 443.2/15

Left Out: 1.226 $\pm$ 0.182 χ^2/NDF : 111.6/14

Right Out: 4.303 $\pm$ 0.222 χ^2/NDF : 352.8/17

Left In: 1.100 $\pm$ 0.184 χ^2/NDF : 126.5/14

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.367 $\pm$ 0.416 χ^2 /NDF: 1488.7/15

Left Out: 8.564 $\pm$ 0.259 χ^2 /NDF:1157.9/14

Right Out: 29.719 $\pm$ 0.402 χ^2 /NDF: 2129.5/17

Left In: 8.217 $\pm$ 0.255 χ^2 /NDF:955.1/14

Left: 8.388 $\pm$ 0.182 χ^2 /NDF: 2113.9/29

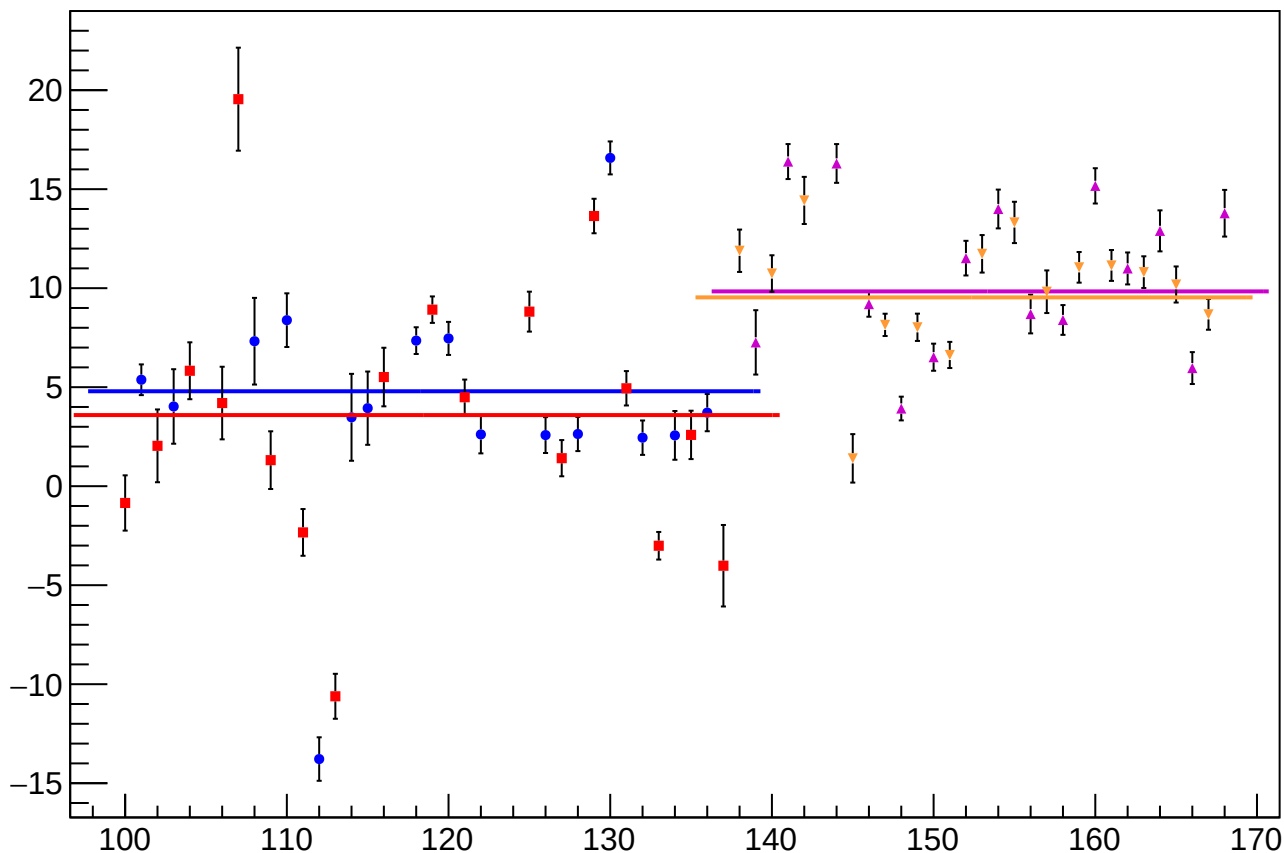
Right: 29.549 $\pm$ 0.289 χ^2 /NDF: 3618.6/33

In: 13.979 $\pm$ 0.217 χ^2 /NDF:4320.1/30

Out: 14.750 $\pm$ 0.218 χ^2 /NDF:5242.5/32

All: 14.364 $\pm$ 0.154 χ^2 /NDF: 9568.9/63

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.794 $\pm$ 0.251 χ^2 /NDF: 550.0/15

Left Out: 9.535 $\pm$ 0.215 χ^2 /NDF:128.9/14

Right Out: 3.591 $\pm$ 0.254 χ^2 /NDF: 573.3/17

Left In: 9.837 $\pm$ 0.217 χ^2 /NDF:330.8/14

Left: 9.685 $\pm$ 0.153 χ^2 /NDF: 460.7/29

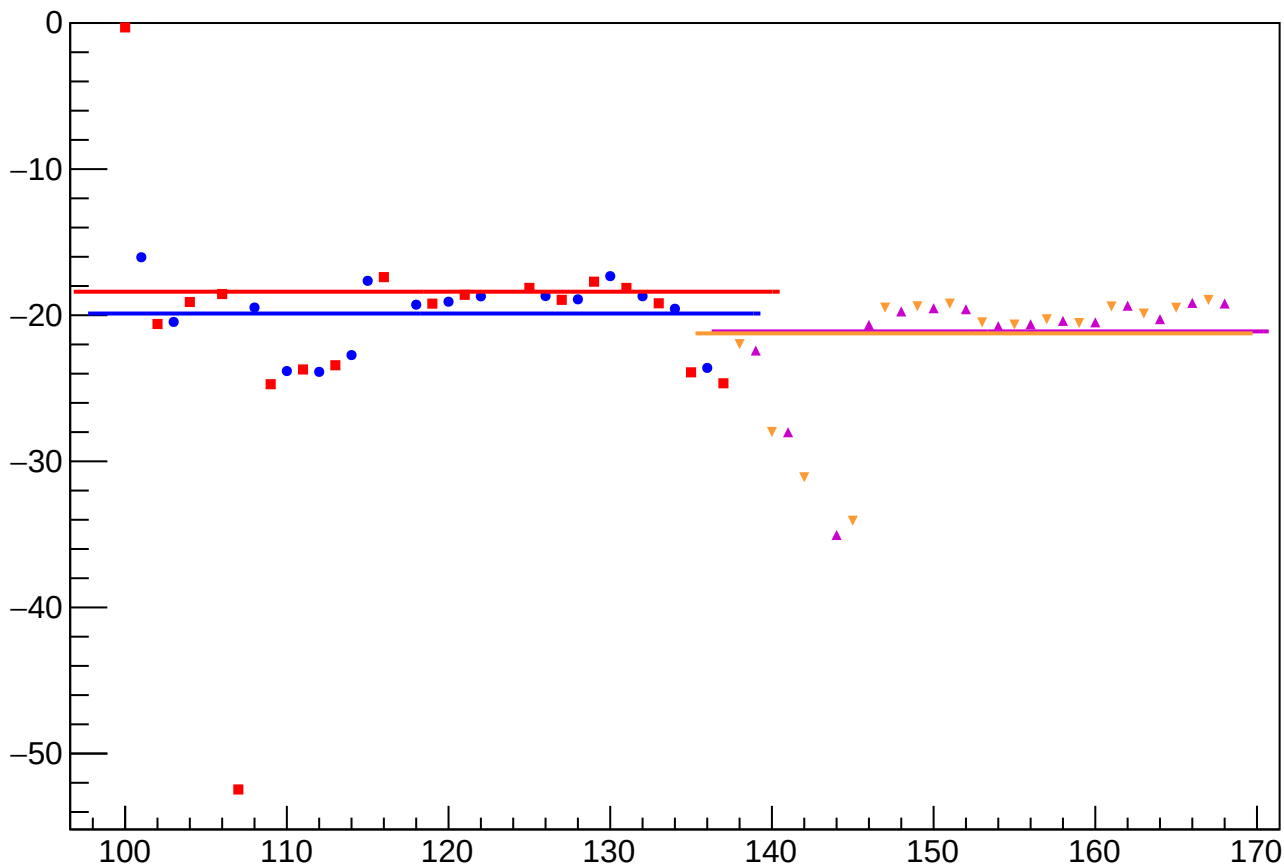
Right: 4.201 $\pm$ 0.179 χ^2 /NDF: 1134.6/33

In: 7.681 $\pm$ 0.164 χ^2 /NDF:1111.8/30

Out: 7.058 $\pm$ 0.164 χ^2 /NDF:1020.4/32

All: 7.370 $\pm$ 0.116 χ^2 /NDF: 2139.4/63

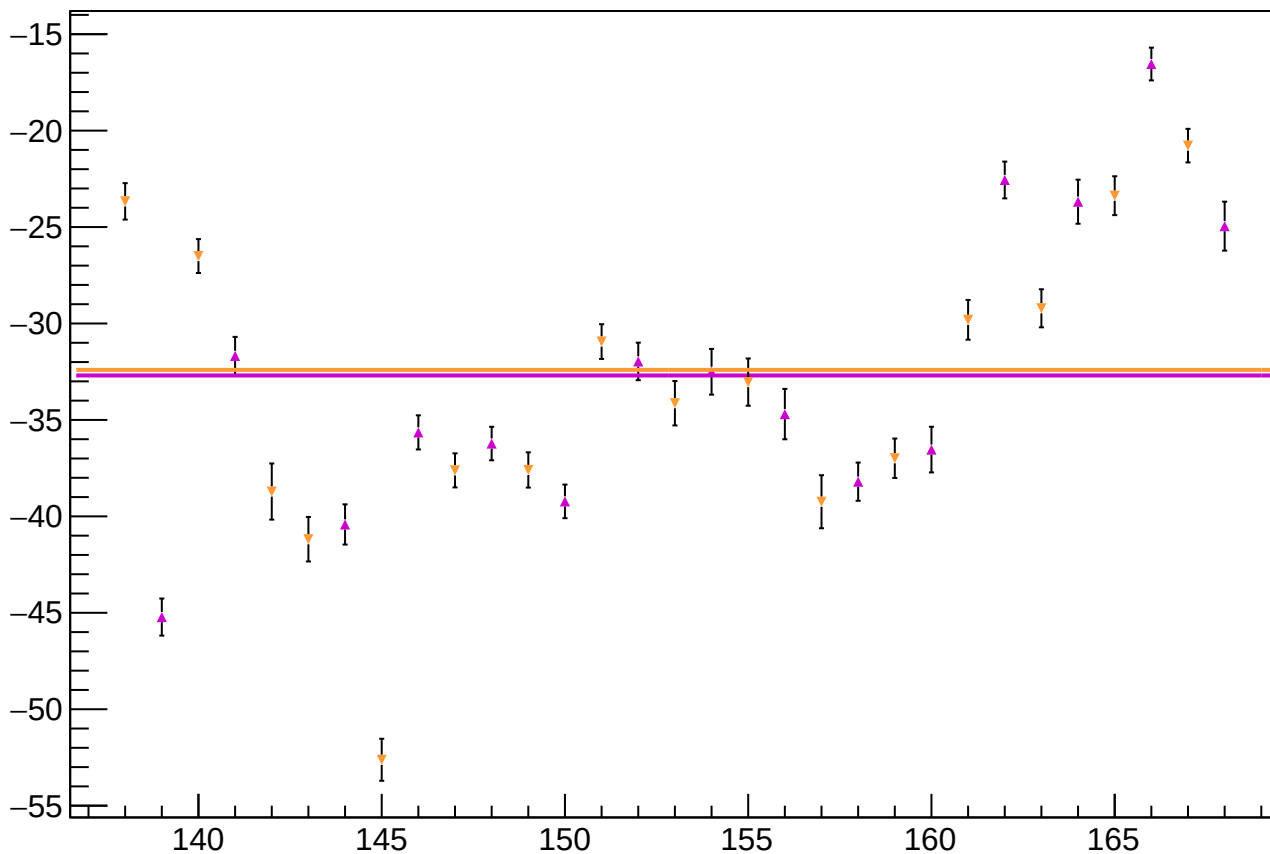
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.883 ± 0.016 $\chi^2/\text{NDF}: 26063.5/15$
 Left Out: -21.242 ± 0.010 $\chi^2/\text{NDF}: 128961.4/14$
 Right Out: -18.390 ± 0.015 $\chi^2/\text{NDF}: 301247.7/17$
 Left In: -21.106 ± 0.010 $\chi^2/\text{NDF}: 104454.6/14$

Left: -21.173 ± 0.007 $\chi^2/\text{NDF}: 233503.3/29$
 Right: -19.096 ± 0.011 $\chi^2/\text{NDF}: 332167.8/33$
 In: -20.742 ± 0.008 $\chi^2/\text{NDF}: 134855.8/30$
 Out: -20.302 ± 0.008 $\chi^2/\text{NDF}: 455320.1/32$
 All: -20.521 ± 0.006 $\chi^2/\text{NDF}: 591518.5/63$

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



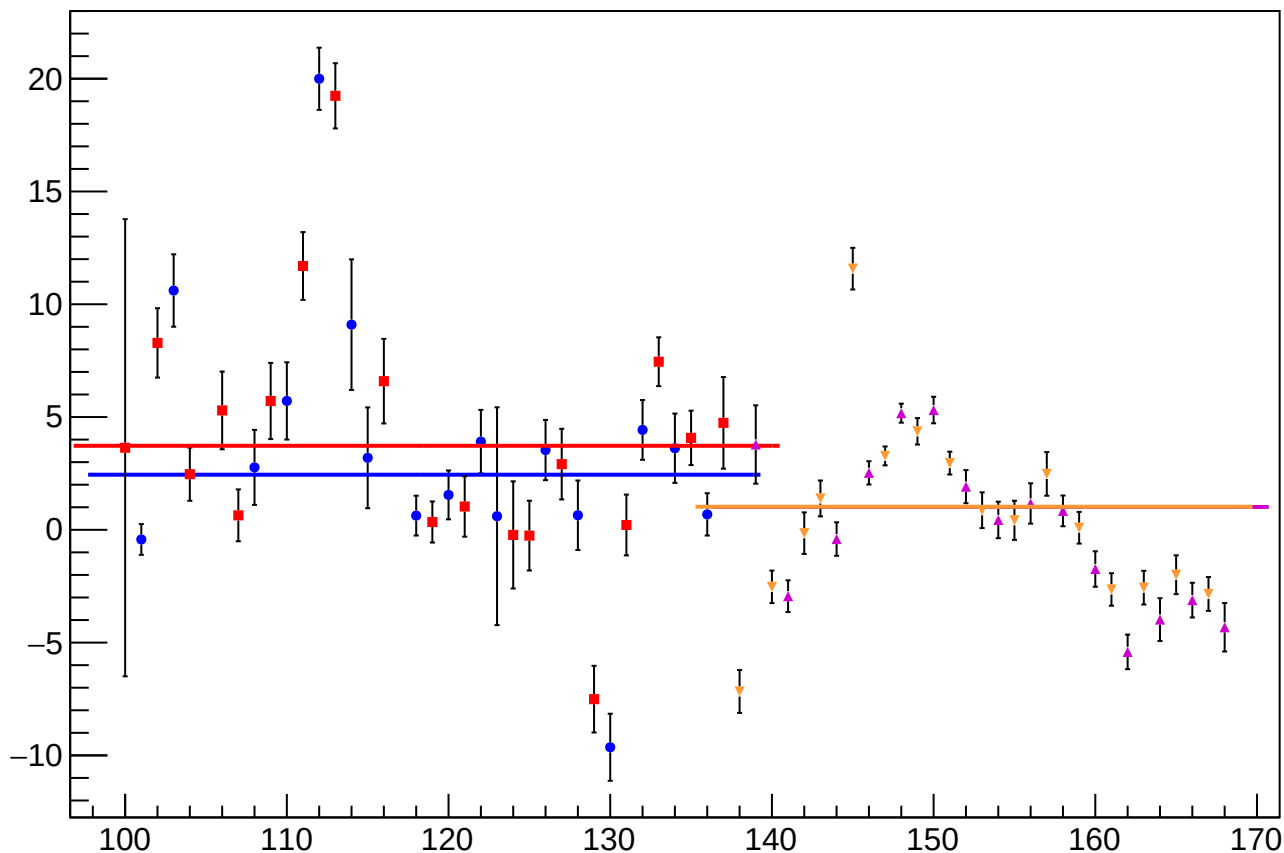
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -32.404 $\pm$ 0.255 χ^2 /NDF:944.6/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -32.695 $\pm$ 0.259 χ^2 /NDF:928.1/14

Left: -32.547 $\pm$ 0.182 χ^2 /NDF: 1873.4/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -32.695 $\pm$ 0.259 χ^2 /NDF:928.1/14
 Out: -32.404 $\pm$ 0.255 χ^2 /NDF:944.6/15

All: -32.547 $\pm$ 0.182 χ^2 /NDF: 1873.4/30

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.444 ± 0.311 χ^2/NDF : 295.3/16

Left Out: 1.023 ± 0.176 χ^2/NDF : 399.4/15

Right Out: 3.726 ± 0.327 χ^2/NDF : 269.1/18

Left In: 1.013 ± 0.182 χ^2/NDF : 363.1/14

Left: 1.018 ± 0.126 χ^2/NDF : 762.5/30

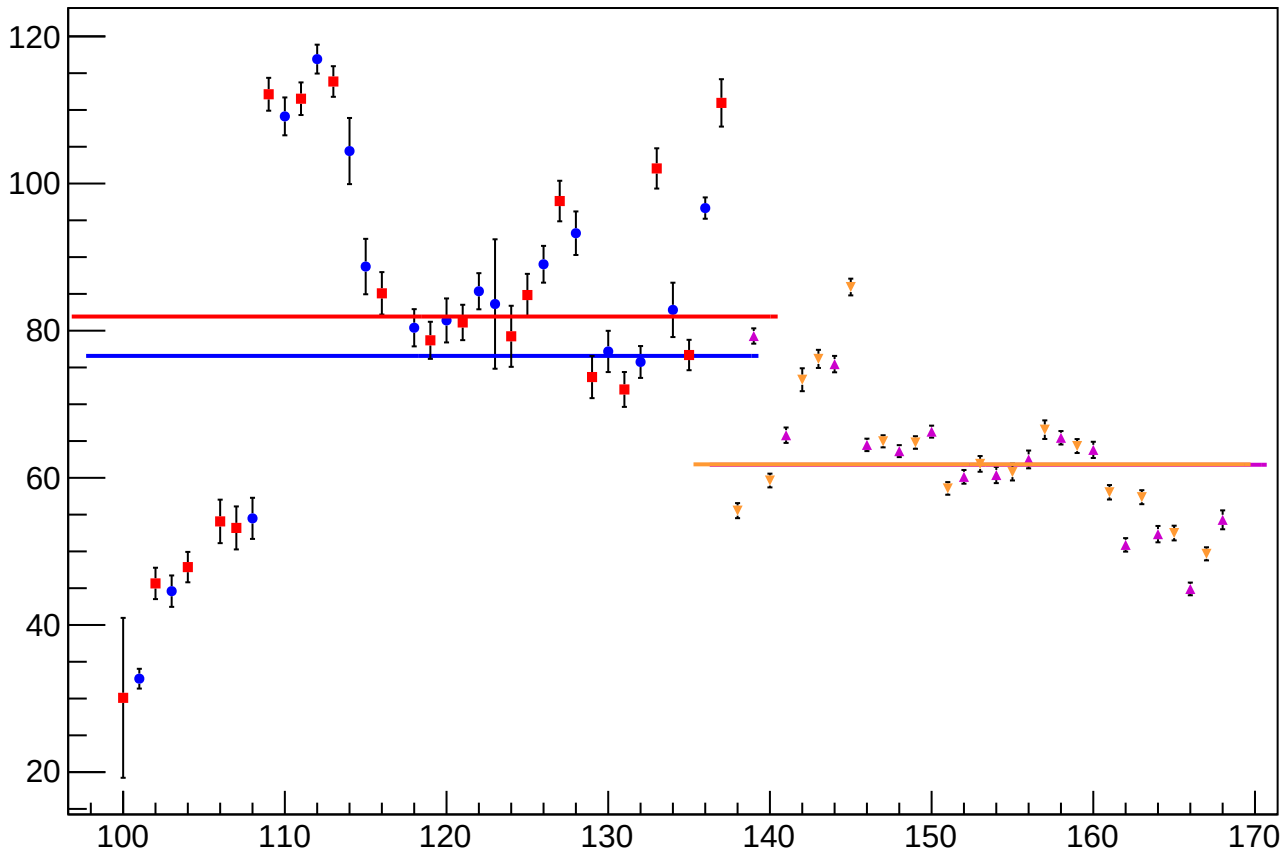
Right: 3.053 ± 0.225 χ^2/NDF : 572.5/35

In: 1.377 ± 0.157 χ^2/NDF : 674.1/31

Out: 1.629 ± 0.155 χ^2/NDF : 721.5/34

All: 1.505 ± 0.110 χ^2/NDF : 1397.0/66

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.572 $\pm$ 0.573 χ^2/NDF : 2253.6/16

Left Out: 61.833 $\pm$ 0.251 χ^2/NDF :1055.1/15

Right Out: 81.923 $\pm$ 0.592 χ^2/NDF : 1570.6/18

Left In: 61.776 $\pm$ 0.253 χ^2/NDF :1146.2/14

Left: 61.805 $\pm$ 0.178 χ^2/NDF : 2201.3/30

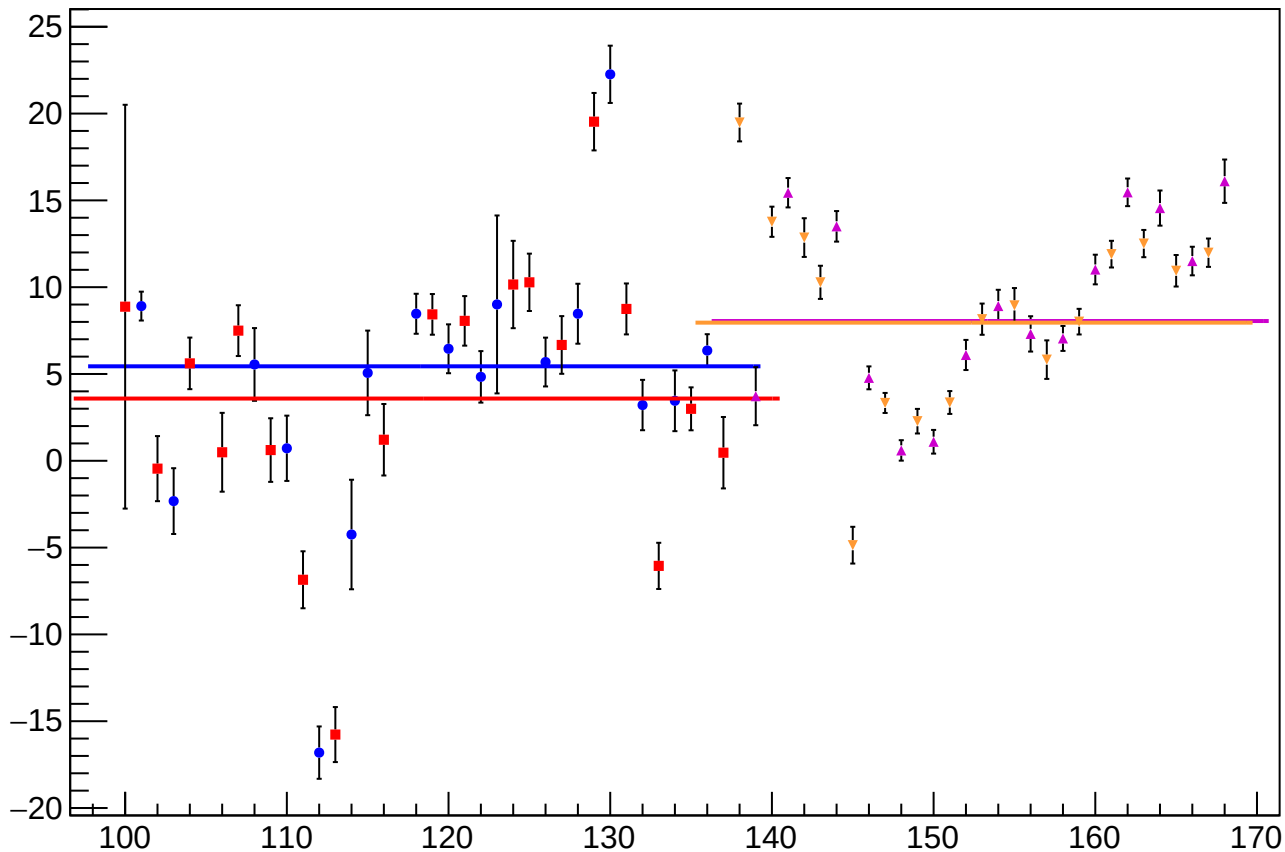
Right: 79.162 $\pm$ 0.412 χ^2/NDF : 3866.3/35

In: 64.182 $\pm$ 0.231 χ^2/NDF :3957.5/31

Out: 64.889 $\pm$ 0.231 χ^2/NDF :3602.5/34

All: 64.536 $\pm$ 0.163 χ^2/NDF : 7564.7/66

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.442 ± 0.357 χ^2/NDF : 387.5/16

Left Out: 7.958 ± 0.208 χ^2/NDF : 606.2/15

Right Out: 3.585 ± 0.375 χ^2/NDF : 423.2/18

Left In: 8.050 ± 0.214 χ^2/NDF : 617.7/14

Left: 8.002 ± 0.149 χ^2/NDF : 1223.9/30

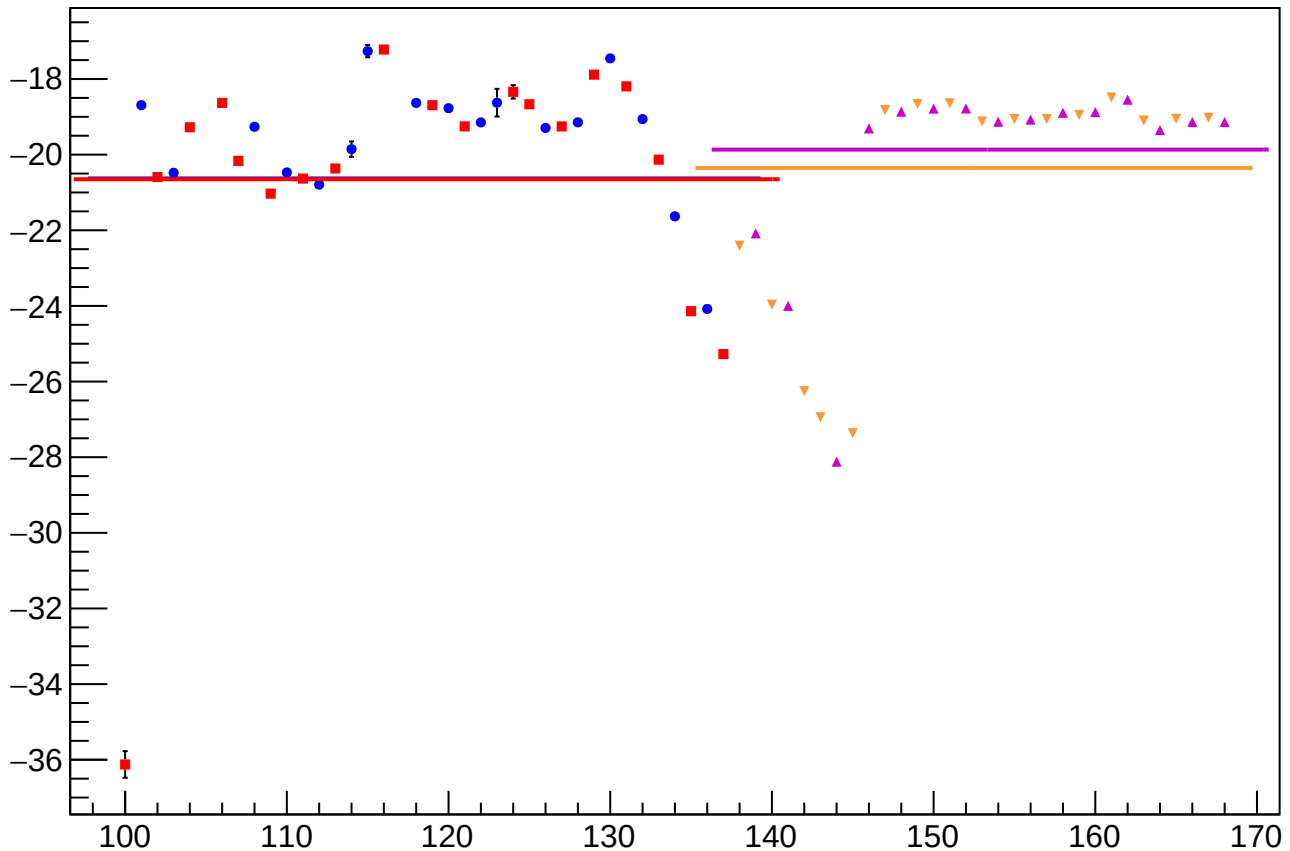
Right: 4.559 ± 0.259 χ^2/NDF : 823.5/35

In: 7.360 ± 0.184 χ^2/NDF : 1044.3/31

Out: 6.933 ± 0.182 χ^2/NDF : 1133.3/34

All: 7.144 ± 0.129 χ^2/NDF : 2180.4/66

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.630 $\pm$ 0.019 χ^2 /NDF: 12490.5/16

Left Out: -20.351 $\pm$ 0.010 χ^2 /NDF: 77928.7/15

Right Out: -20.650 $\pm$ 0.019 χ^2 /NDF: 13885.7/18

Left In: -19.866 $\pm$ 0.010 χ^2 /NDF: 48892.2/14

Left: -20.110 $\pm$ 0.007 χ^2 /NDF: 127990.4/30

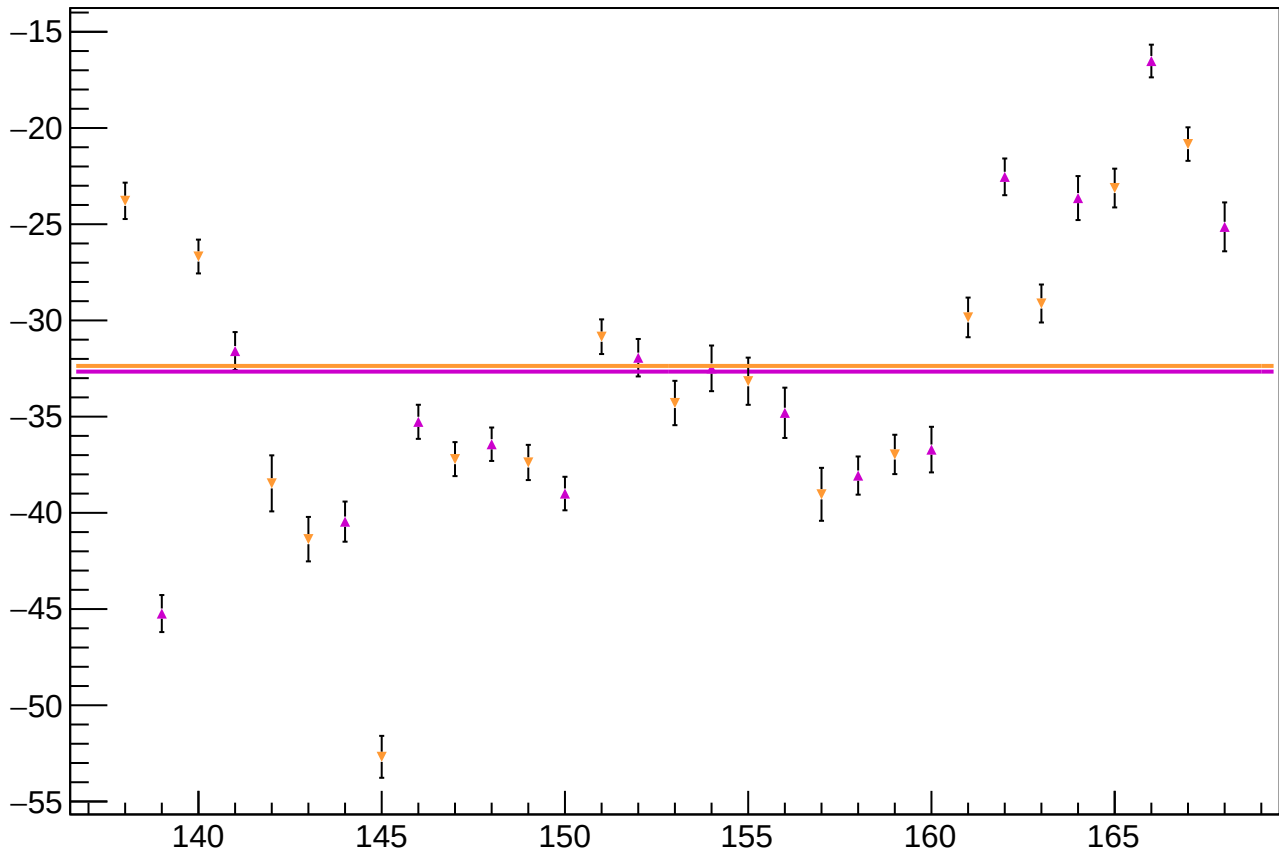
Right: -20.640 $\pm$ 0.014 χ^2 /NDF: 26376.6/35

In: -20.030 $\pm$ 0.009 χ^2 /NDF: 62617.6/31

Out: -20.414 $\pm$ 0.009 χ^2 /NDF: 92000.9/34

All: -20.222 $\pm$ 0.006 χ^2 /NDF: 155548.4/66

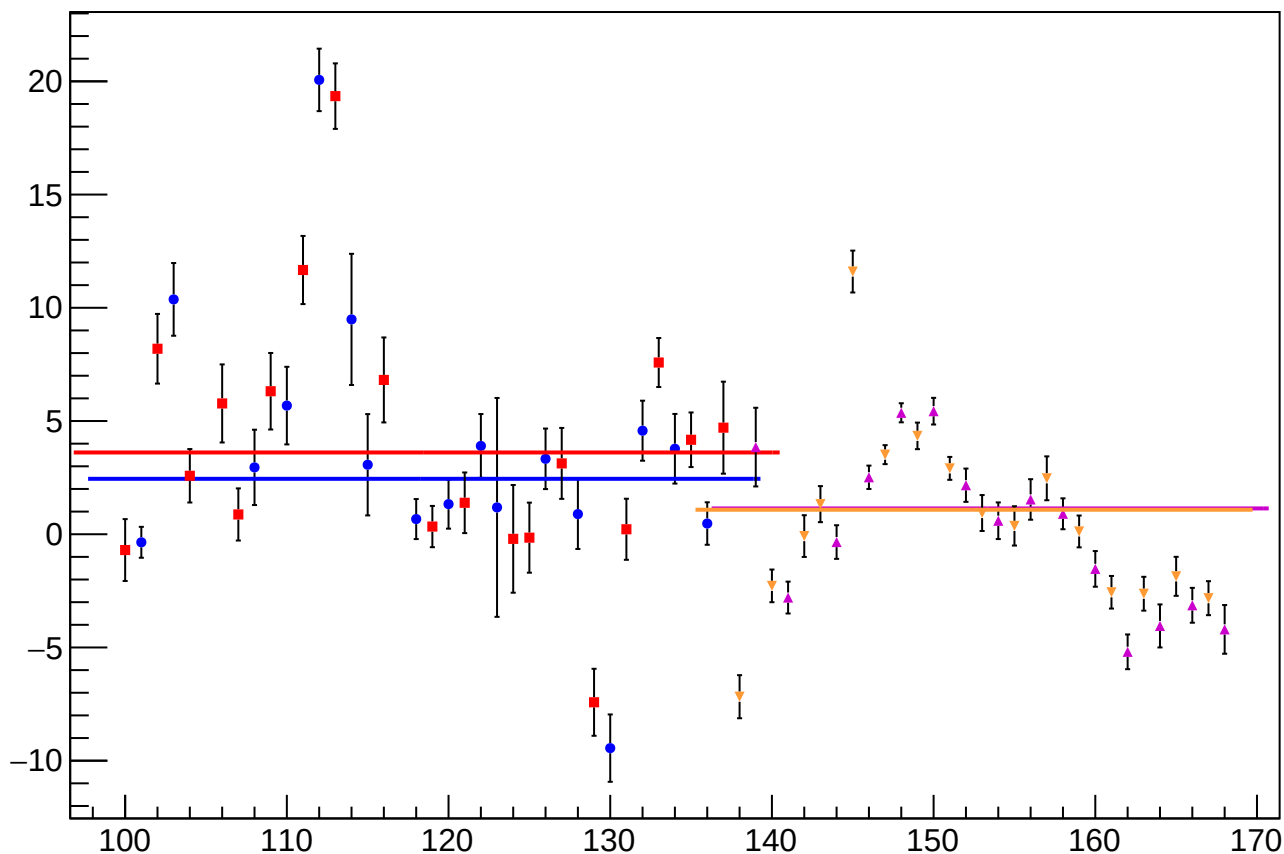
reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -32.364+/-0.255 χ^2/NDF : 936.3/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -32.660+/-0.259 χ^2/NDF : 923.7/14

Left: -32.510+/-0.182 χ^2/NDF : 1860.6/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -32.660+/-0.259 χ^2/NDF : 923.7/14
 Out: -32.364+/-0.255 χ^2/NDF : 936.3/15
 All: -32.510+/-0.182 χ^2/NDF : 1860.6/30

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.448 $\pm$ 0.311 χ^2/NDF : 293.4/16

Left Out: 1.082 $\pm$ 0.176 χ^2/NDF :399.4/15

Right Out: 3.611 $\pm$ 0.318 χ^2/NDF : 279.4/18

Left In: 1.140 $\pm$ 0.182 χ^2/NDF :366.3/14

Left: 1.110 $\pm$ 0.126 χ^2/NDF : 765.8/30

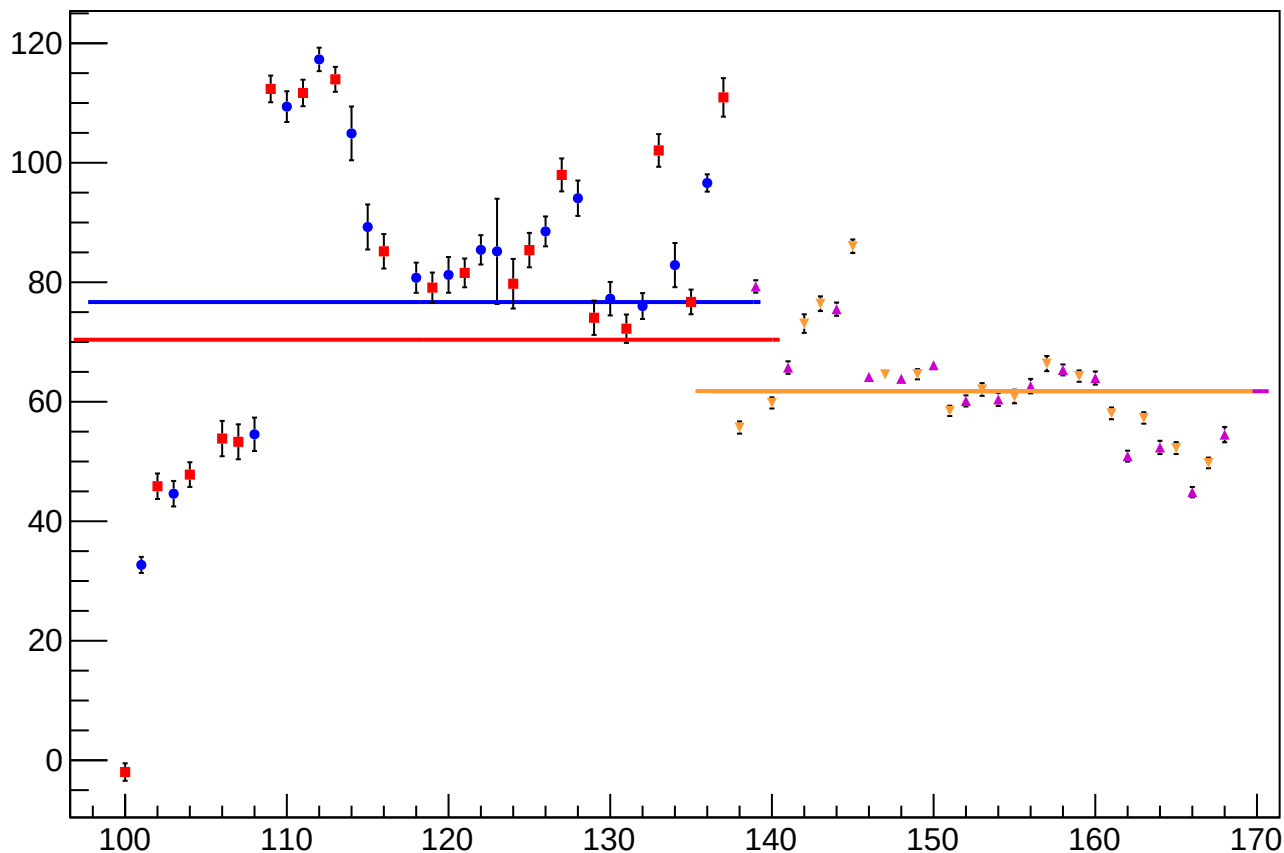
Right: 3.017 $\pm$ 0.223 χ^2/NDF : 579.6/35

In: 1.473 $\pm$ 0.157 χ^2/NDF :672.9/31

Out: 1.674 $\pm$ 0.154 χ^2/NDF :727.2/34

All: 1.576 $\pm$ 0.110 χ^2/NDF : 1400.9/66

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.687 $\pm$ 0.574 χ^2 /NDF: 2265.1/16

Left Out: 61.800 $\pm$ 0.251 χ^2 /NDF:1054.4/15

Right Out: 70.386 $\pm$ 0.550 χ^2 /NDF: 4391.1/18

Left In: 61.764 $\pm$ 0.253 χ^2 /NDF:1141.1/14

Left: 61.782 $\pm$ 0.178 χ^2 /NDF: 2195.5/30

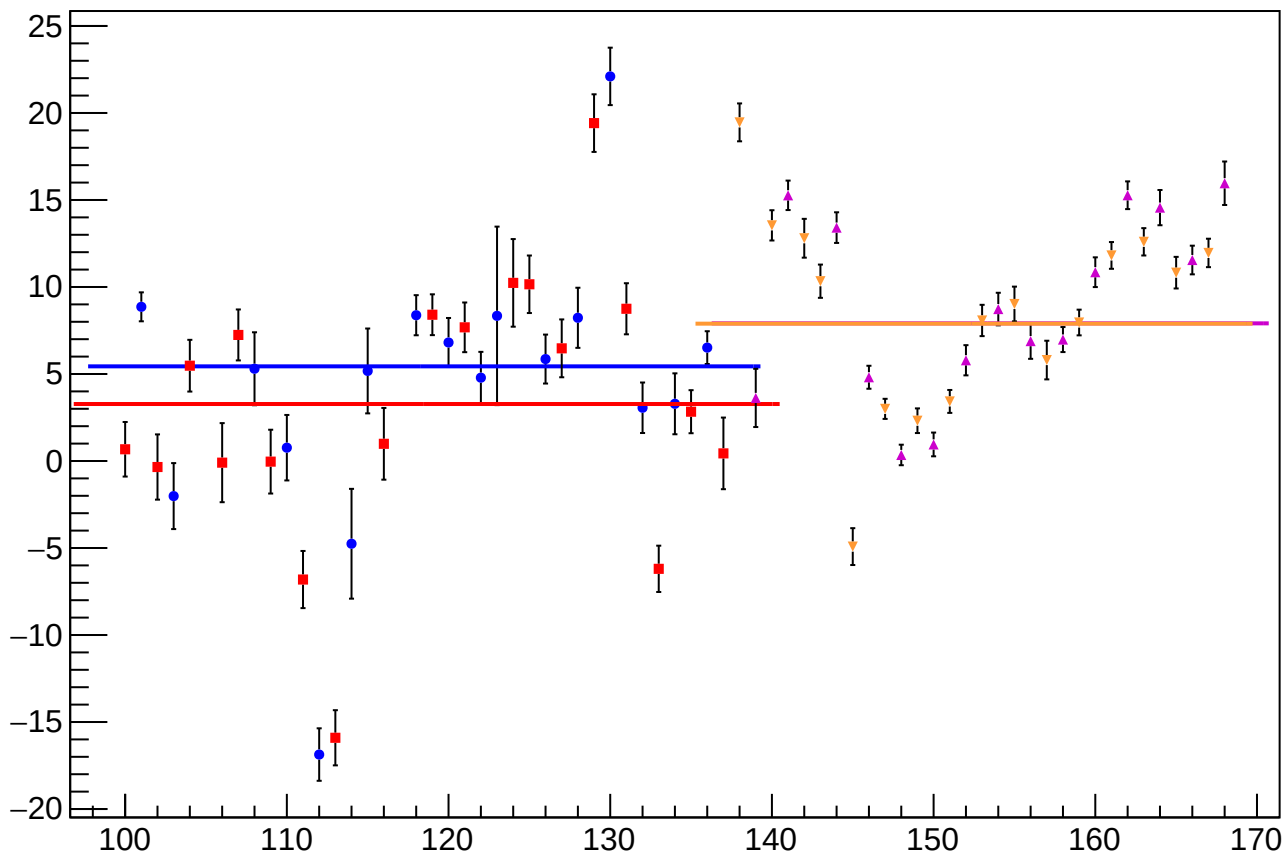
Right: 73.402 $\pm$ 0.397 χ^2 /NDF: 6719.1/35

In: 64.192 $\pm$ 0.231 χ^2 /NDF:3972.8/31

Out: 63.279 $\pm$ 0.228 χ^2 /NDF:5647.5/34

All: 63.729 $\pm$ 0.162 χ^2 /NDF: 9628.2/66

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.439 ± 0.357 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 7.892 ± 0.208 $\chi^2/\text{NDF}: 609.2/15$

Right Out: 3.275 ± 0.365 $\chi^2/\text{NDF}: 425.8/18$

Left In: 7.910 ± 0.214 $\chi^2/\text{NDF}: 622.5/14$

Left: 7.901 ± 0.149 $\chi^2/\text{NDF}: 1231.7/30$

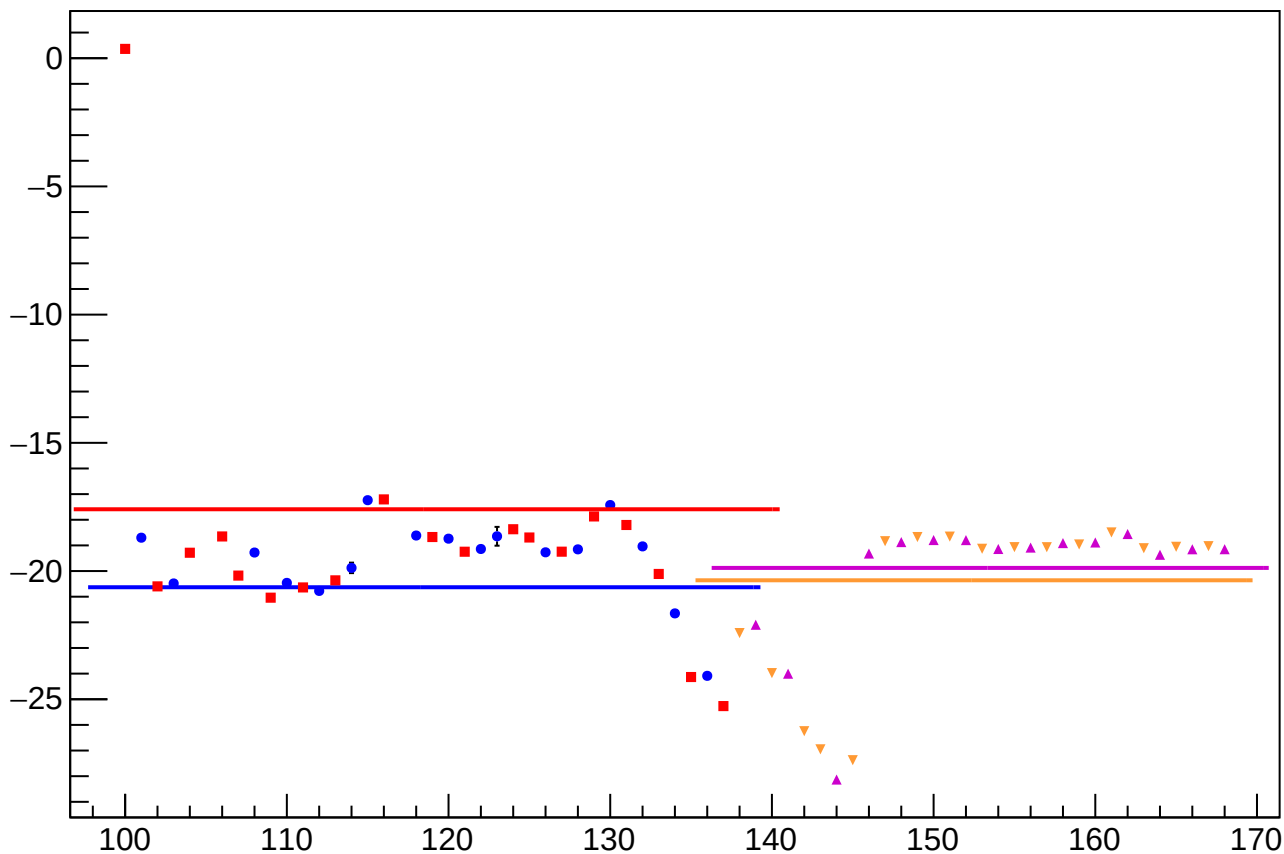
Right: 4.381 ± 0.256 $\chi^2/\text{NDF}: 829.6/35$

In: 7.257 ± 0.184 $\chi^2/\text{NDF}: 1043.6/31$

Out: 6.764 ± 0.181 $\chi^2/\text{NDF}: 1155.6/34$

All: 7.006 ± 0.129 $\chi^2/\text{NDF}: 2202.8/66$

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.632 $\pm$ 0.019 χ^2 /NDF: 12530.8/16

Left Out: -20.361 $\pm$ 0.010 χ^2 /NDF: 77790.2/15

Right Out: -17.591 $\pm$ 0.018 χ^2 /NDF: 178680.7/18

Left In: -19.878 $\pm$ 0.010 χ^2 /NDF: 48818.8/14

Left: -20.121 $\pm$ 0.007 χ^2 /NDF: 127767.5/30

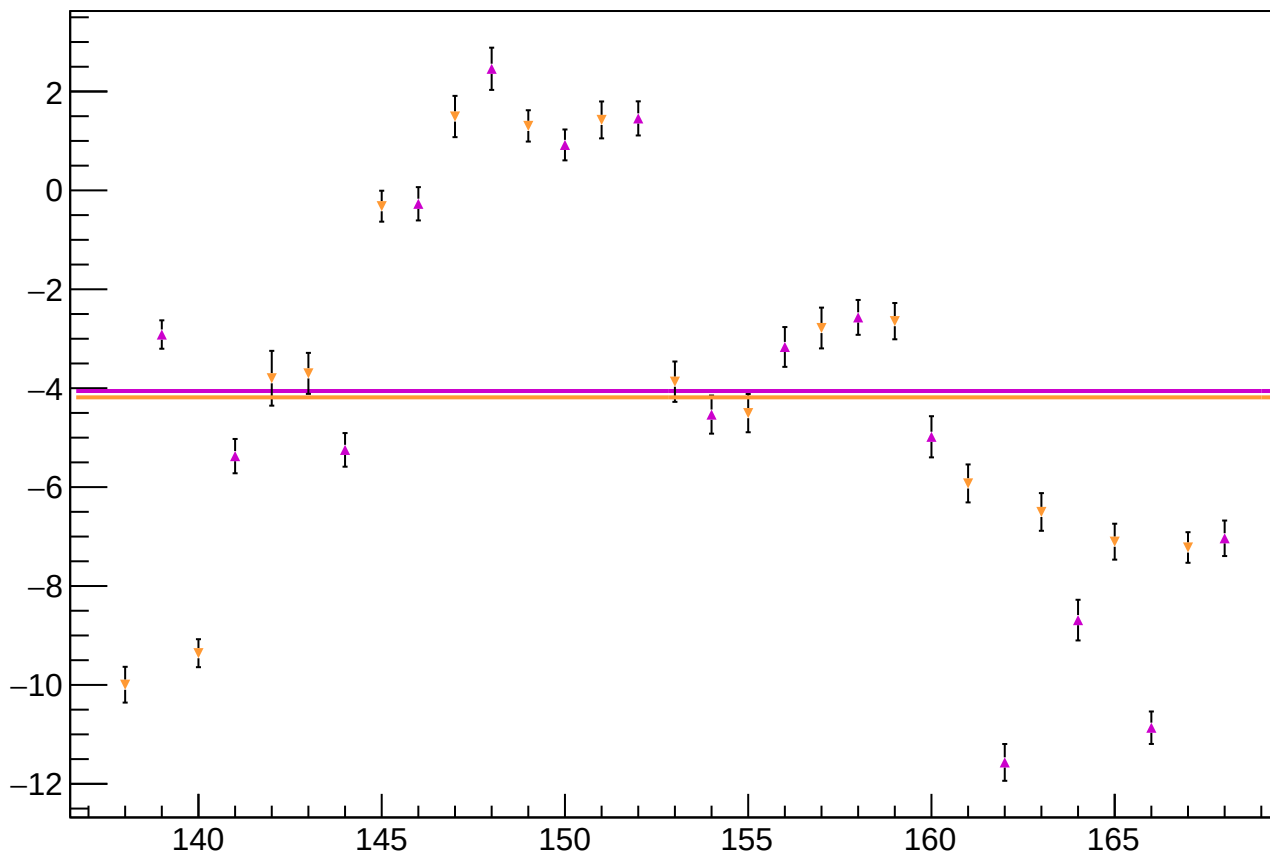
Right: -19.007 $\pm$ 0.013 χ^2 /NDF: 204486.4/35

In: -20.039 $\pm$ 0.009 χ^2 /NDF: 62550.2/31

Out: -19.708 $\pm$ 0.009 χ^2 /NDF: 274543.1/34

All: -19.870 $\pm$ 0.006 χ^2 /NDF: 337795.1/66

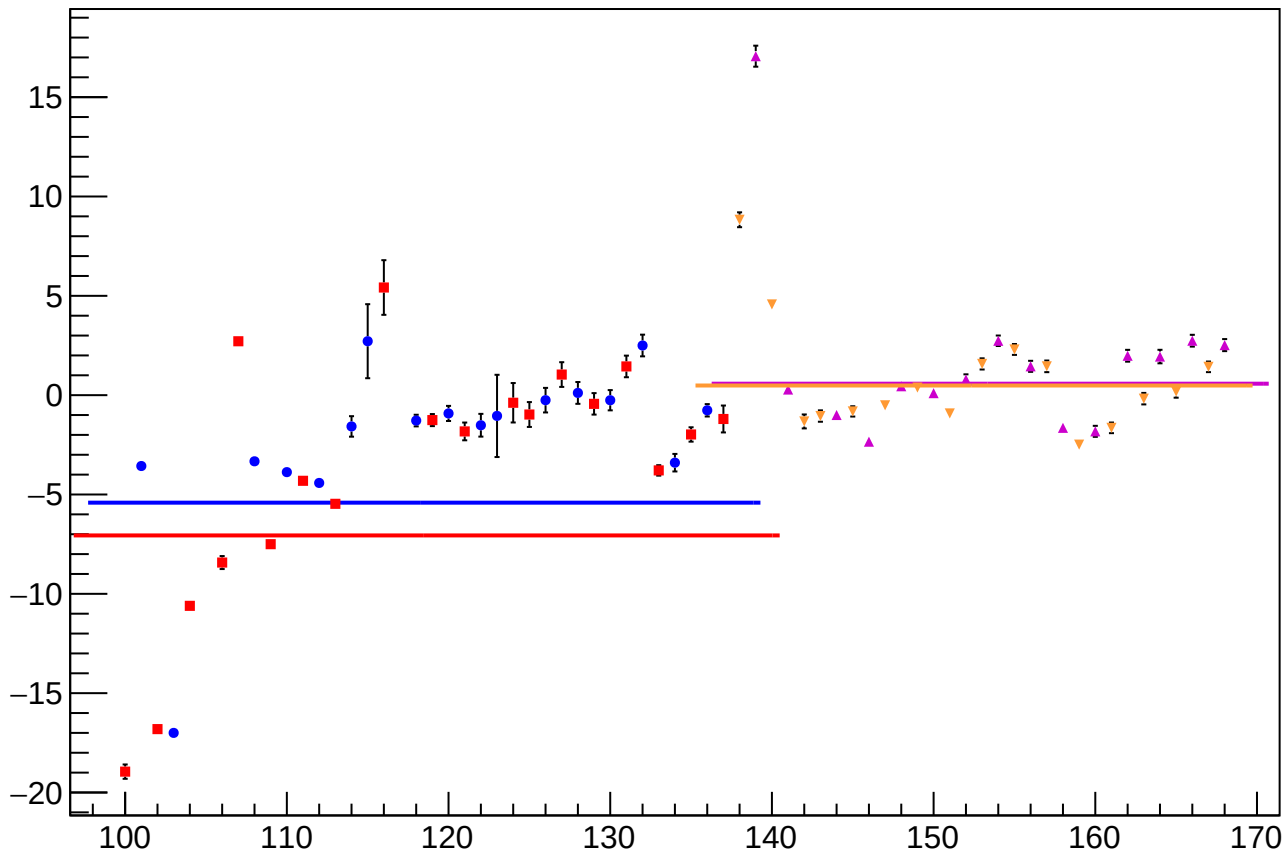
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -4.185+/-0.091 χ^2/NDF :1707.0/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.057+/-0.092 χ^2/NDF :1972.9/14

Left: -4.121+/-0.065 χ^2/NDF : 3680.9/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -4.057+/-0.092 χ^2/NDF :1972.9/14
 Out: -4.185+/-0.091 χ^2/NDF :1707.0/15
 All: -4.121+/-0.065 χ^2/NDF : 3680.9/30

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.411 ± 0.055 χ^2/NDF : 9261.2/16

Left Out: 0.486 ± 0.066 χ^2/NDF : 1233.8/15

Right Out: -7.060 ± 0.059 χ^2/NDF : 12329.4/18

Left In: 0.577 ± 0.068 χ^2/NDF : 1575.2/14

Left: 0.530 ± 0.047 χ^2/NDF : 2809.9/30

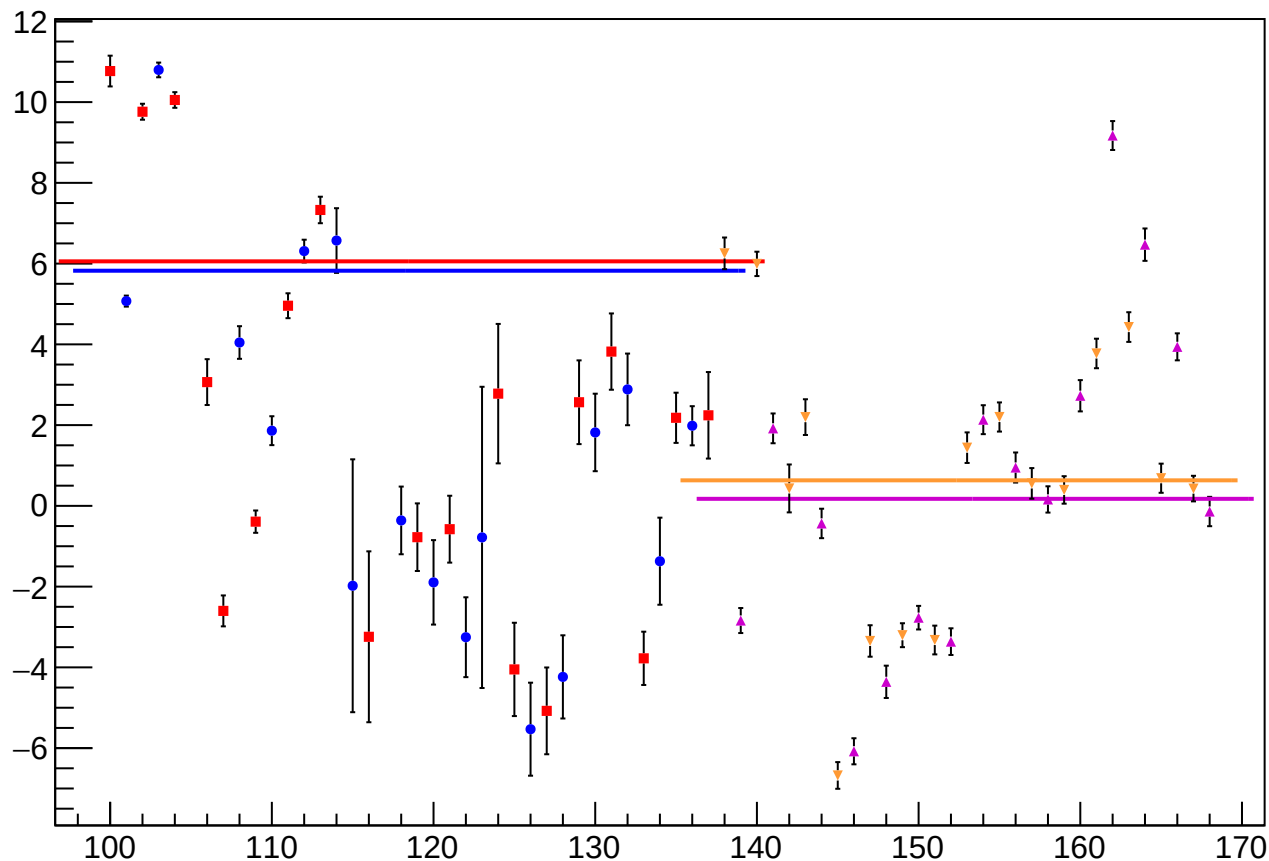
Right: -6.173 ± 0.040 χ^2/NDF : 22010.3/35

In: -3.049 ± 0.043 χ^2/NDF : 15556.5/31

Out: -3.680 ± 0.044 χ^2/NDF : 20881.0/34

All: -3.355 ± 0.031 χ^2/NDF : 36543.9/66

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.824 $\pm$ 0.090 χ^2/NDF : 1452.6/16

Left Out: 0.632 $\pm$ 0.090 χ^2/NDF :1623.3/15

Right Out: 6.056 $\pm$ 0.093 χ^2/NDF : 2668.9/18

Left In: 0.174 $\pm$ 0.090 χ^2/NDF :1922.3/14

Left: 0.403 $\pm$ 0.064 χ^2/NDF : 3558.5/30

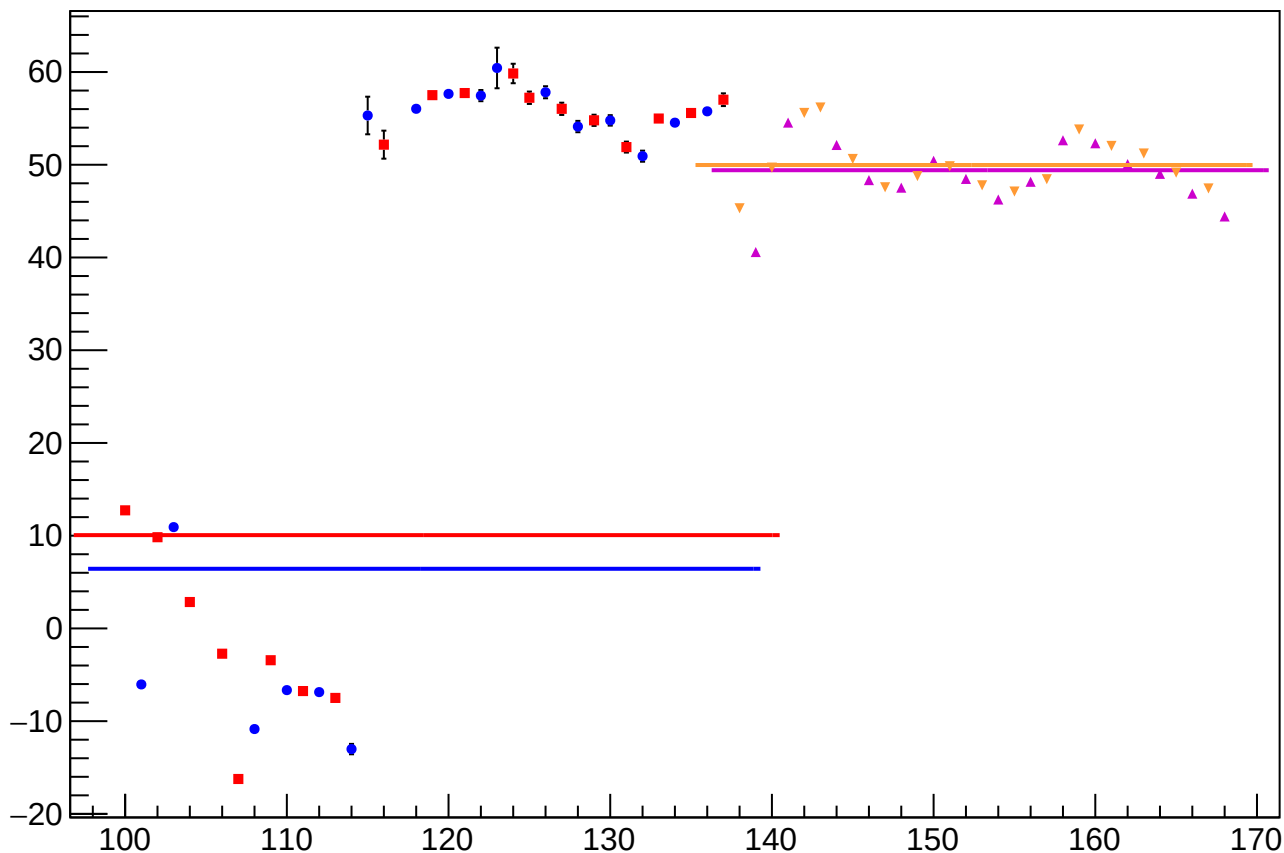
Right: 5.935 $\pm$ 0.065 χ^2/NDF : 4124.7/35

In: 3.010 $\pm$ 0.063 χ^2/NDF :5355.6/31

Out: 3.249 $\pm$ 0.065 χ^2/NDF :6040.8/34

All: 3.127 $\pm$ 0.045 χ^2/NDF : 11403.3/66

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.432 ± 0.065 $\chi^2/\text{NDF}: 123486.3/16$

Left Out: 49.972 ± 0.076 $\chi^2/\text{NDF}: 1236.2/15$

Right Out: 10.060 ± 0.070 $\chi^2/\text{NDF}: 121816.0/18$

Left In: 49.410 ± 0.078 $\chi^2/\text{NDF}: 1412.9/14$

Left: 49.699 ± 0.055 $\chi^2/\text{NDF}: 2675.5/30$

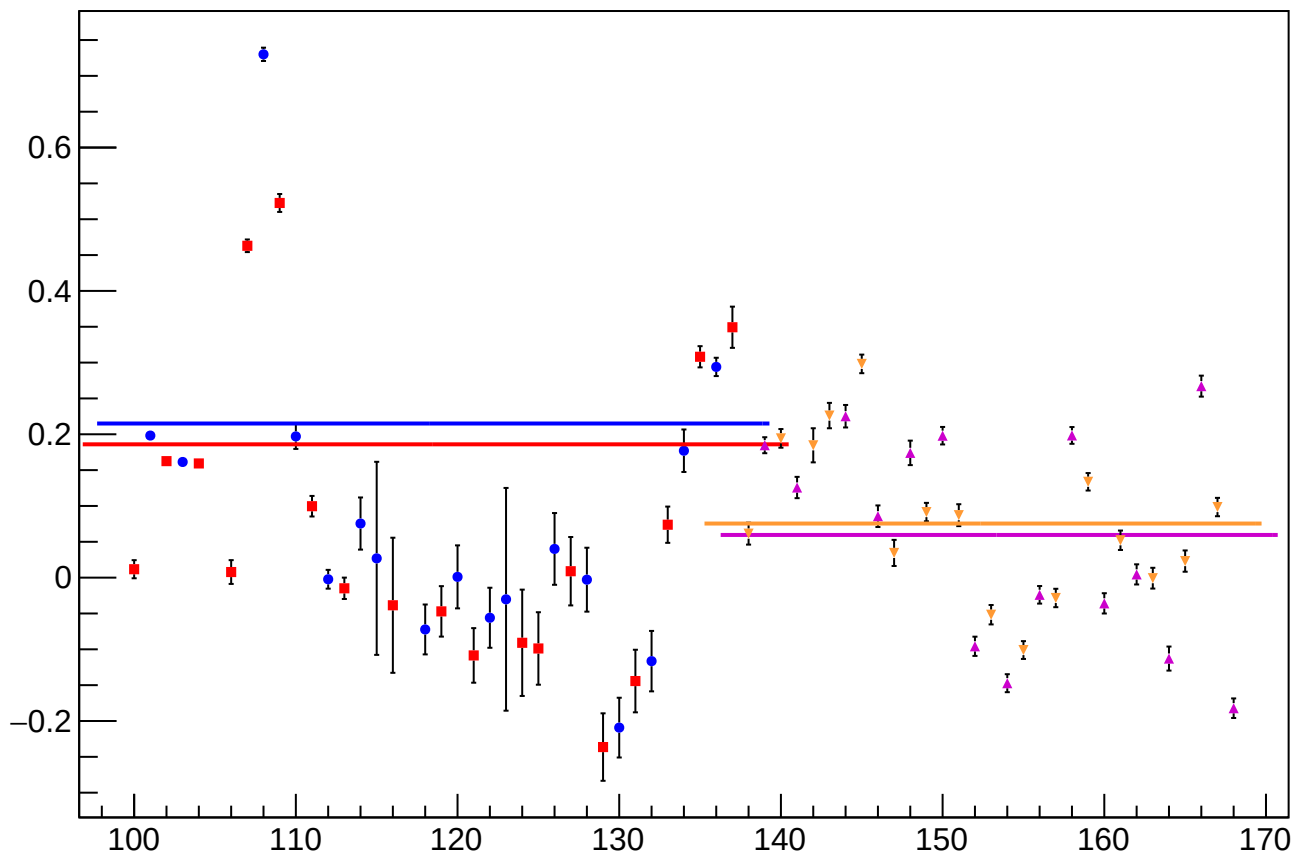
Right: 8.110 ± 0.047 $\chi^2/\text{NDF}: 246756.9/35$

In: 23.887 ± 0.050 $\chi^2/\text{NDF}: 304106.9/31$

Out: 28.277 ± 0.051 $\chi^2/\text{NDF}: 272537.9/34$

All: 26.014 ± 0.036 $\chi^2/\text{NDF}: 580402.6/66$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3930.1/16

Left Out: 0.075 $\pm$ 0.004 χ^2 /NDF:904.8/15

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2720.3/18

Left In: 0.060 $\pm$ 0.004 χ^2 /NDF:1708.4/14

Left: 0.067 $\pm$ 0.002 χ^2 /NDF: 2623.3/30

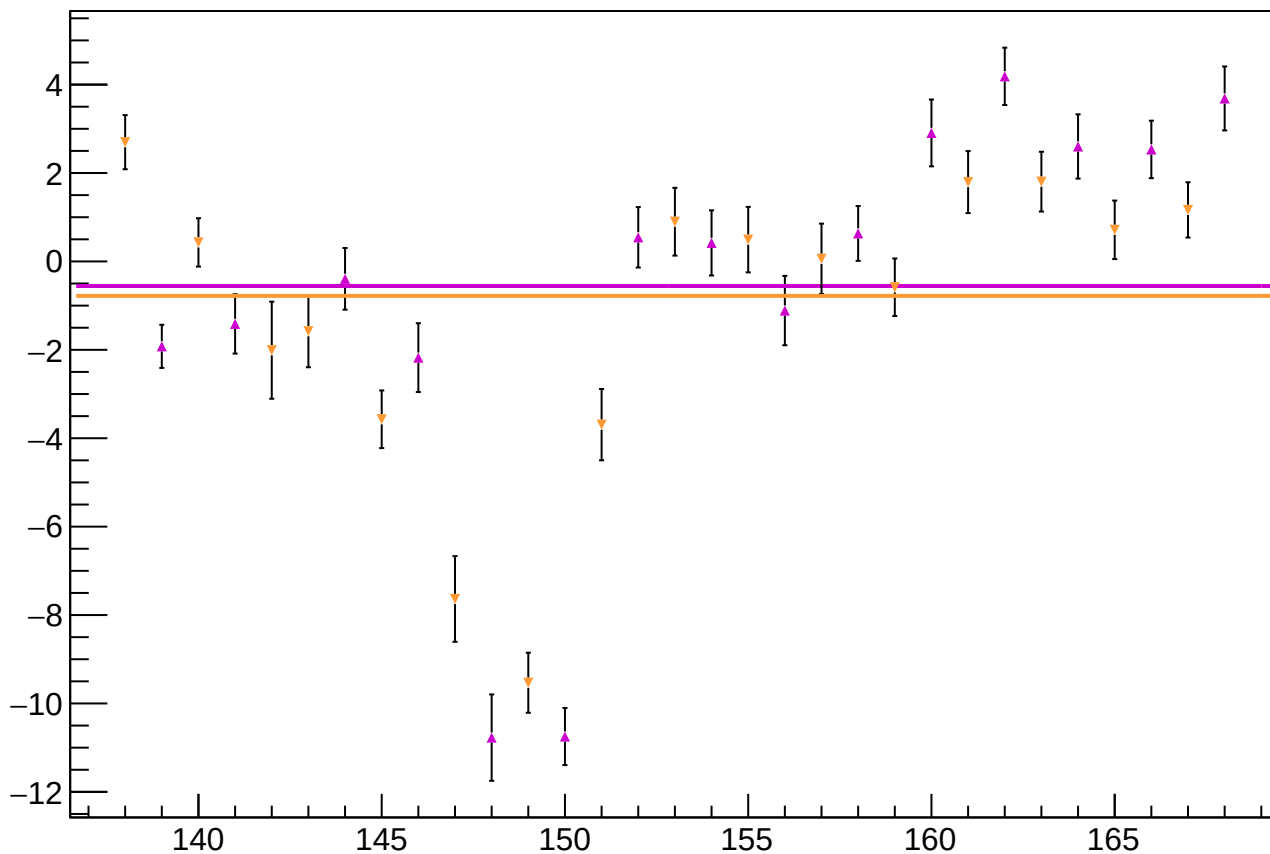
Right: 0.200 $\pm$ 0.002 χ^2 /NDF: 6707.1/35

In: 0.156 $\pm$ 0.002 χ^2 /NDF:6843.8/31

Out: 0.146 $\pm$ 0.002 χ^2 /NDF:4244.5/34

All: 0.150 $\pm$ 0.002 χ^2 /NDF: 11099.3/66

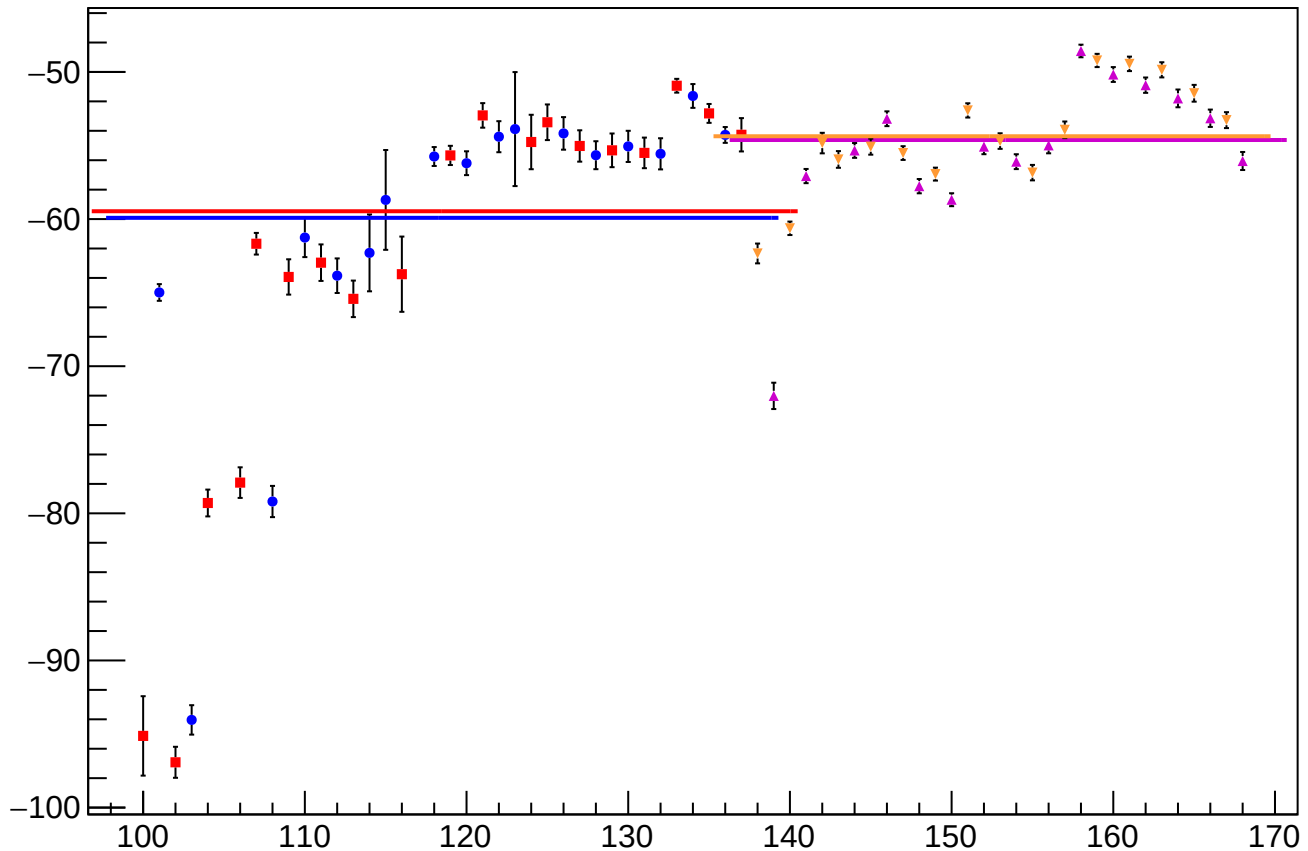
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.779 $\pm$ 0.177 χ^2 /NDF:338.7/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.556 $\pm$ 0.177 χ^2 /NDF:530.5/14

Left: -0.667 $\pm$ 0.125 χ^2 /NDF: 870.1/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.556 $\pm$ 0.177 χ^2 /NDF:530.5/14
 Out: -0.779 $\pm$ 0.177 χ^2 /NDF:338.7/15
 All: -0.667 $\pm$ 0.125 χ^2 /NDF: 870.1/30

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.914 ± 0.223 χ^2/NDF : 1979.5/16

Left Out: -54.371 ± 0.130 χ^2/NDF : 751.7/15

Right Out: -59.468 ± 0.212 χ^2/NDF : 2912.7/18

Left In: -54.625 ± 0.135 χ^2/NDF : 911.4/14

Left: -54.494 ± 0.093 χ^2/NDF : 1664.9/30

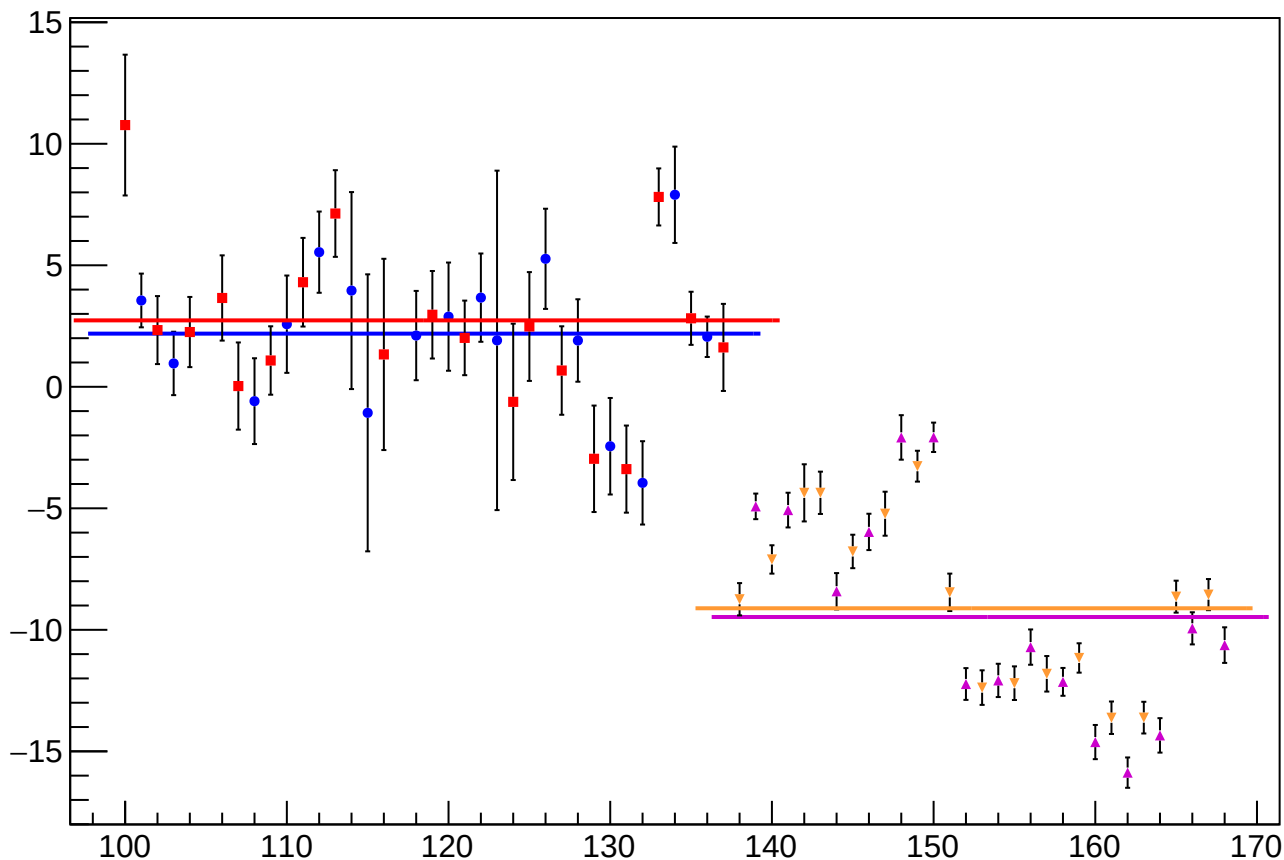
Right: -59.680 ± 0.154 χ^2/NDF : 4894.3/35

In: -56.037 ± 0.115 χ^2/NDF : 3303.3/31

Out: -55.763 ± 0.111 χ^2/NDF : 4084.3/34

All: -55.895 ± 0.080 χ^2/NDF : 7390.5/66

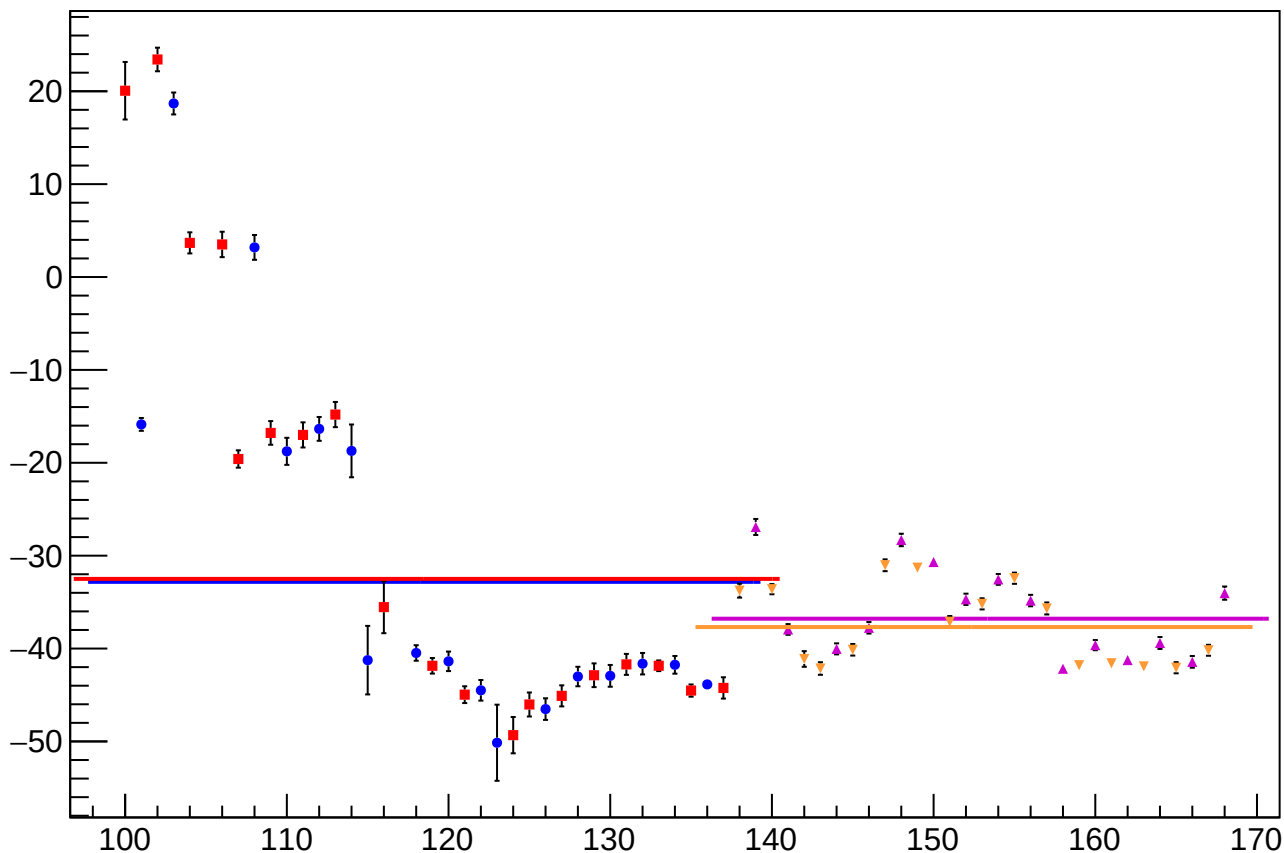
reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.188 ± 0.404 $\chi^2/\text{NDF}: 39.1/16$
 Left Out: -9.113 ± 0.175 $\chi^2/\text{NDF}: 334.1/15$
 Right Out: 2.733 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$
 Left In: -9.473 ± 0.174 $\chi^2/\text{NDF}: 617.0/14$

Left: -9.294 ± 0.123 $\chi^2/\text{NDF}: 953.3/30$
 Right: 2.472 ± 0.280 $\chi^2/\text{NDF}: 98.9/35$
 In: -7.657 ± 0.159 $\chi^2/\text{NDF}: 1359.2/31$
 Out: -7.113 ± 0.159 $\chi^2/\text{NDF}: 1169.3/34$
 All: -7.385 ± 0.113 $\chi^2/\text{NDF}: 2534.3/66$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.817 ± 0.254 $\chi^2/\text{NDF}: 4666.6/16$

Left Out: -37.685 ± 0.149 $\chi^2/\text{NDF}: 779.1/15$

Right Out: -32.501 ± 0.244 $\chi^2/\text{NDF}: 6037.9/18$

Left In: -36.787 ± 0.153 $\chi^2/\text{NDF}: 868.7/14$

Left: -37.248 ± 0.107 $\chi^2/\text{NDF}: 1665.5/30$

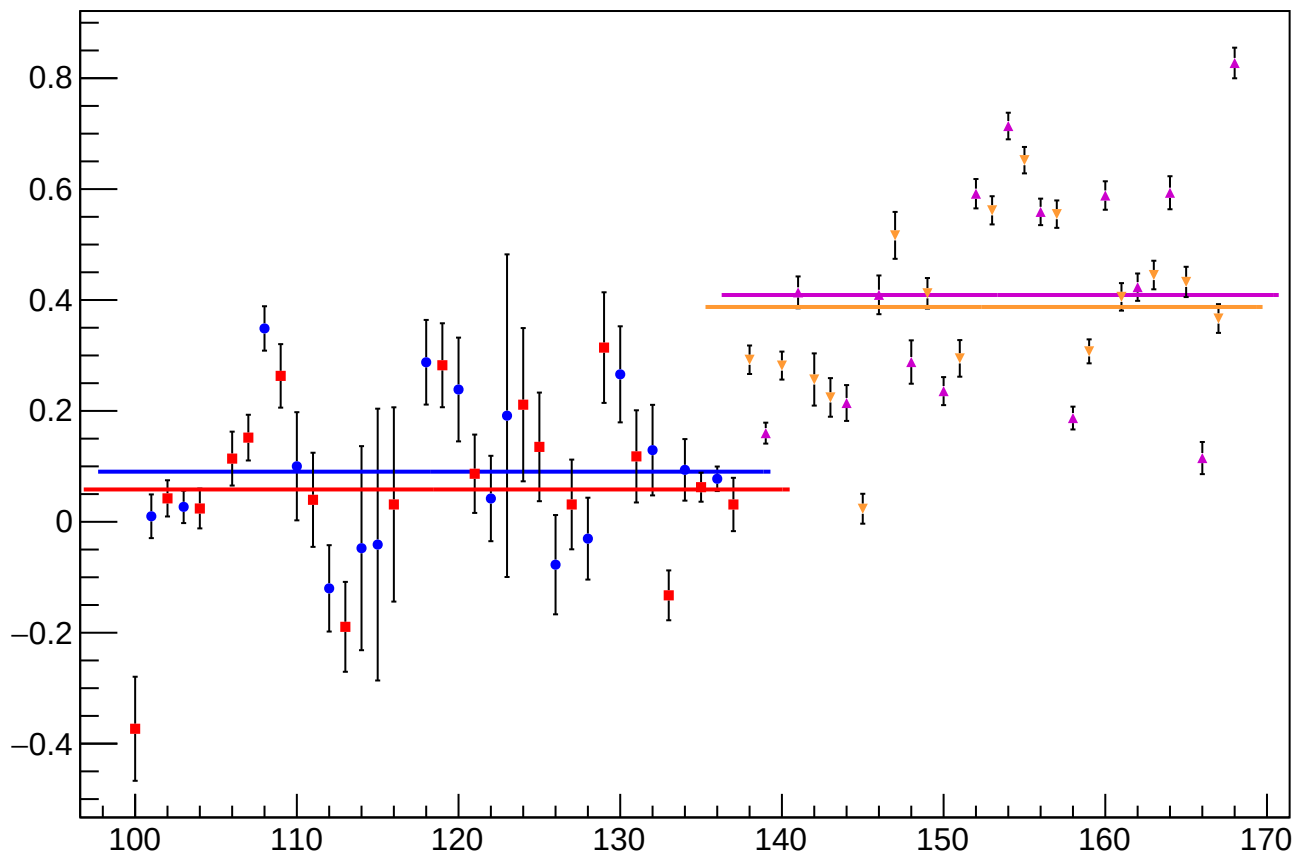
Right: -32.652 ± 0.176 $\chi^2/\text{NDF}: 10705.2/35$

In: -35.730 ± 0.131 $\chi^2/\text{NDF}: 5714.6/31$

Out: -36.275 ± 0.127 $\chi^2/\text{NDF}: 7145.8/34$

All: -36.011 ± 0.091 $\chi^2/\text{NDF}: 12869.3/66$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 χ^2/NDF : 79.2/16

Left Out: 0.387 ± 0.007 χ^2/NDF : 499.7/15

Right Out: 0.058 ± 0.012 χ^2/NDF : 87.3/18

Left In: 0.409 ± 0.007 χ^2/NDF : 1051.7/14

Left: 0.398 ± 0.005 χ^2/NDF : 1556.5/30

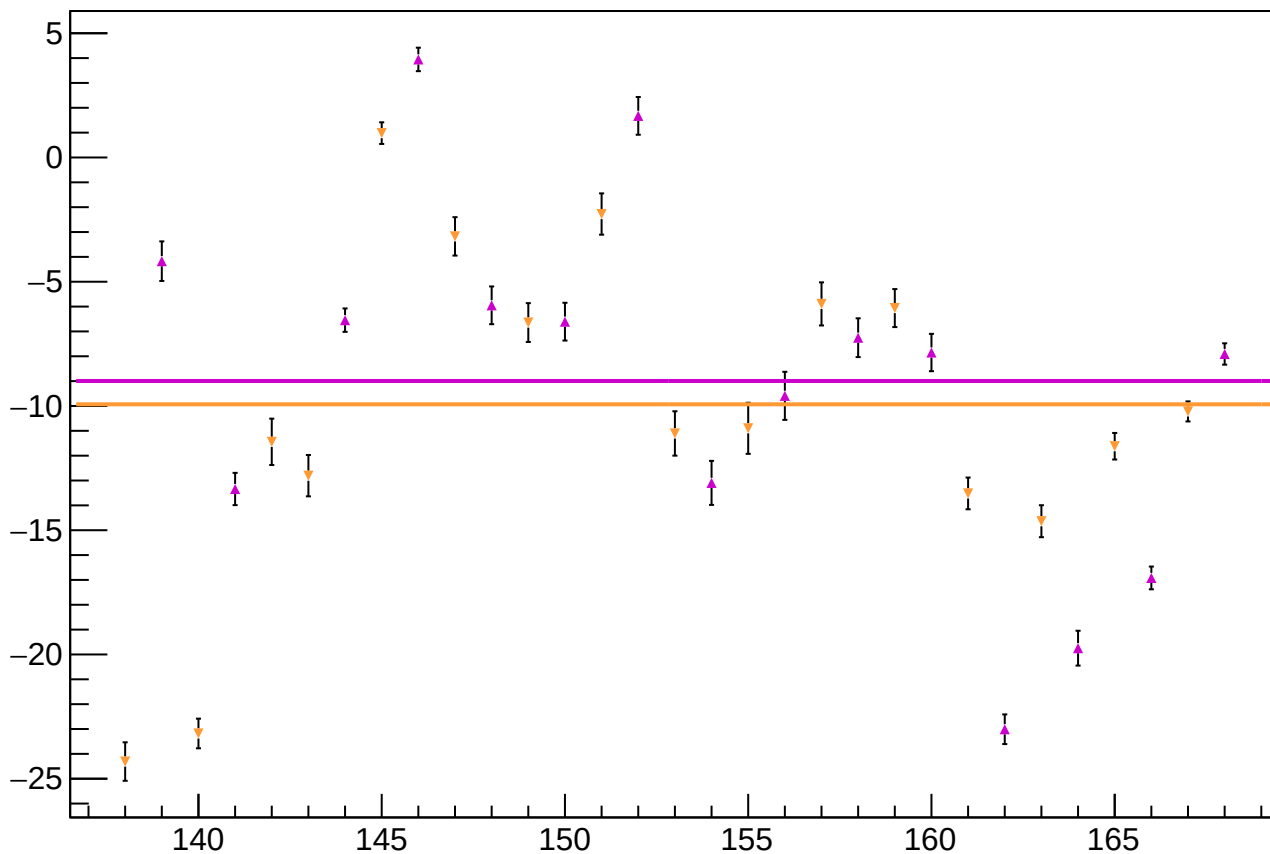
Right: 0.074 ± 0.009 χ^2/NDF : 169.9/35

In: 0.339 ± 0.006 χ^2/NDF : 1621.2/31

Out: 0.309 ± 0.006 χ^2/NDF : 1145.8/34

All: 0.324 ± 0.004 χ^2/NDF : 2780.2/66

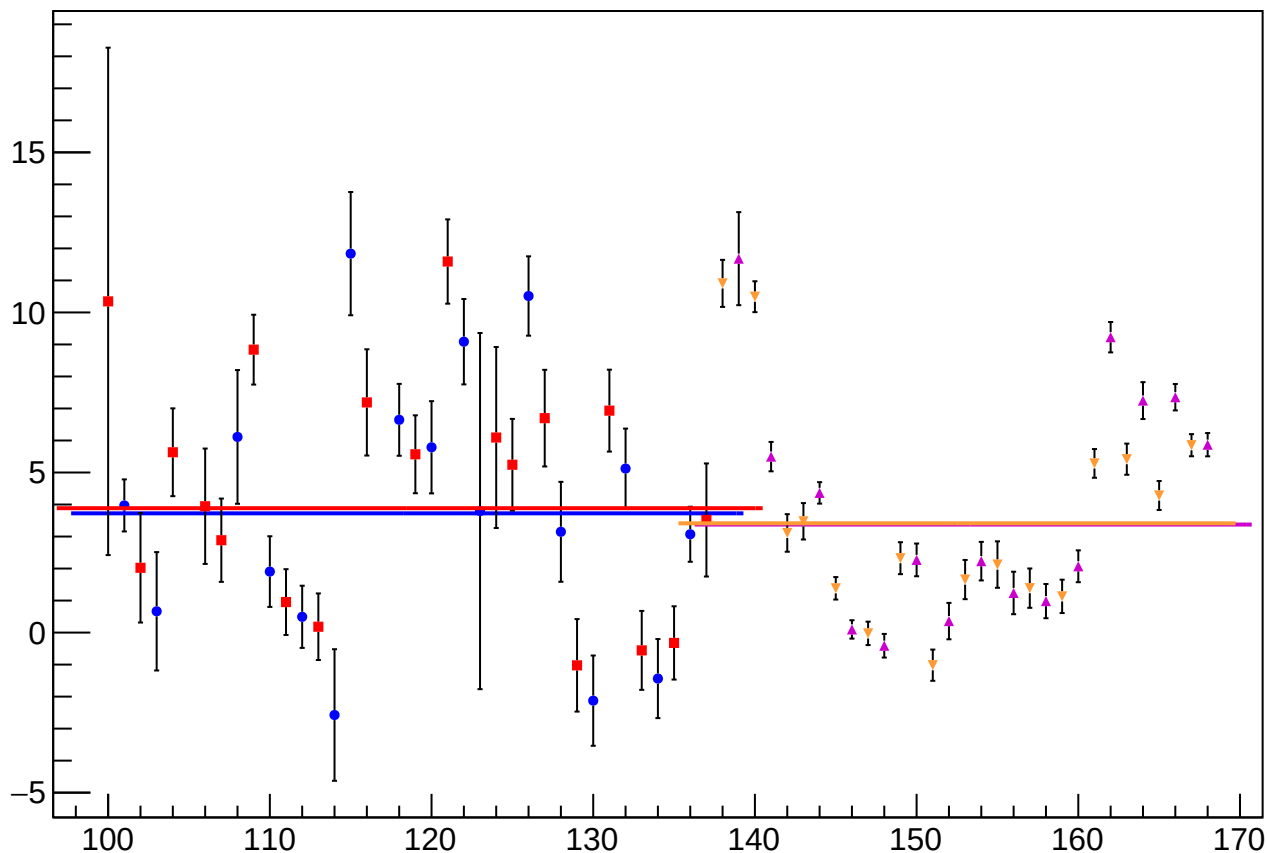
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -9.933 ± 0.165 $\chi^2/\text{NDF}: 1802.9/15$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -8.994 ± 0.160 $\chi^2/\text{NDF}: 2203.7/14$

Left: -9.450 ± 0.115 $\chi^2/\text{NDF}: 4023.3/30$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -8.994 ± 0.160 $\chi^2/\text{NDF}: 2203.7/14$
 Out: -9.933 ± 0.165 $\chi^2/\text{NDF}: 1802.9/15$
 All: -9.450 ± 0.115 $\chi^2/\text{NDF}: 4023.3/30$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.725 ± 0.308 $\chi^2/\text{NDF}: 136.8/16$

Left Out: 3.413 ± 0.120 $\chi^2/\text{NDF}: 658.0/15$

Right Out: 3.885 ± 0.316 $\chi^2/\text{NDF}: 134.4/18$

Left In: 3.374 ± 0.116 $\chi^2/\text{NDF}: 709.3/14$

Left: 3.393 ± 0.084 $\chi^2/\text{NDF}: 1367.3/30$

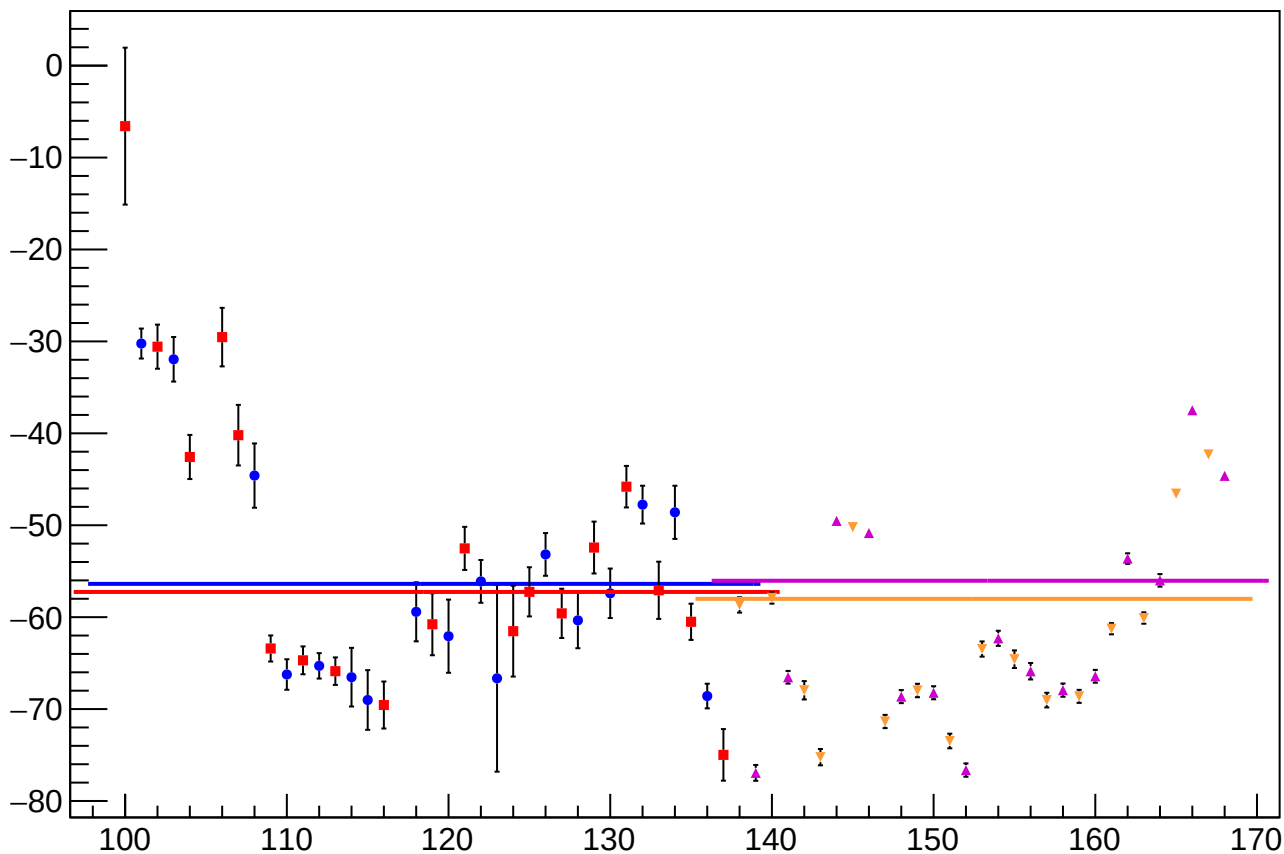
Right: 3.803 ± 0.221 $\chi^2/\text{NDF}: 271.3/35$

In: 3.418 ± 0.109 $\chi^2/\text{NDF}: 847.2/31$

Out: 3.473 ± 0.112 $\chi^2/\text{NDF}: 794.3/34$

All: 3.444 ± 0.078 $\chi^2/\text{NDF}: 1641.6/66$

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.379 ± 0.542 χ^2/NDF : 587.4/16

Left Out: -58.007 ± 0.164 χ^2/NDF : 4118.9/15

Right Out: -57.258 ± 0.536 χ^2/NDF : 476.1/18

Left In: -56.040 ± 0.158 χ^2/NDF : 5492.0/14

Left: -56.986 ± 0.114 χ^2/NDF : 9685.0/30

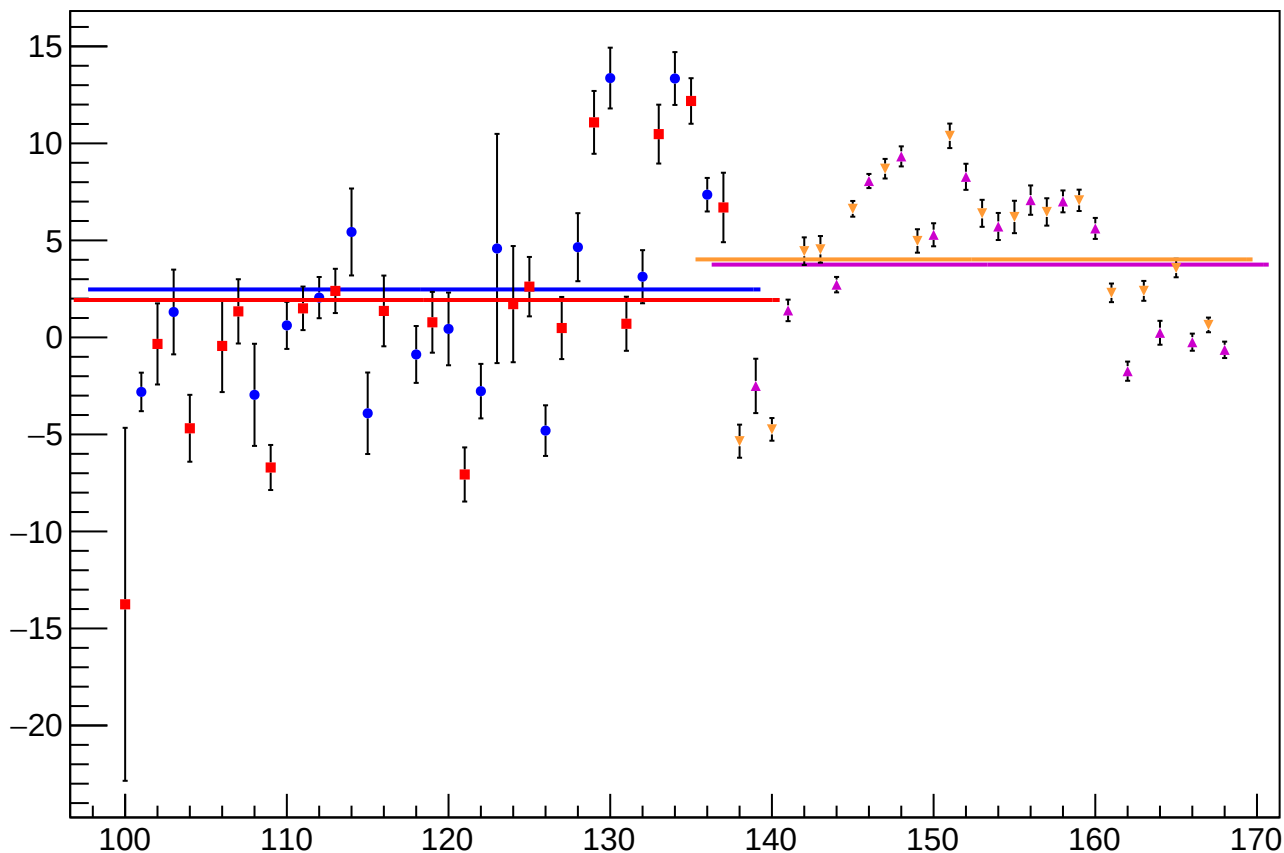
Right: -56.823 ± 0.381 χ^2/NDF : 1064.8/35

In: -56.067 ± 0.152 χ^2/NDF : 6079.7/31

Out: -57.942 ± 0.157 χ^2/NDF : 4596.7/34

All: -56.973 ± 0.109 χ^2/NDF : 10749.9/66

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.473 ± 0.345 χ^2/NDF : 243.6/16

Left Out: 4.020 ± 0.139 χ^2/NDF : 742.3/15

Right Out: 1.928 ± 0.355 χ^2/NDF : 266.6/18

Left In: 3.752 ± 0.136 χ^2/NDF : 771.1/14

Left: 3.884 ± 0.097 χ^2/NDF : 1515.3/30

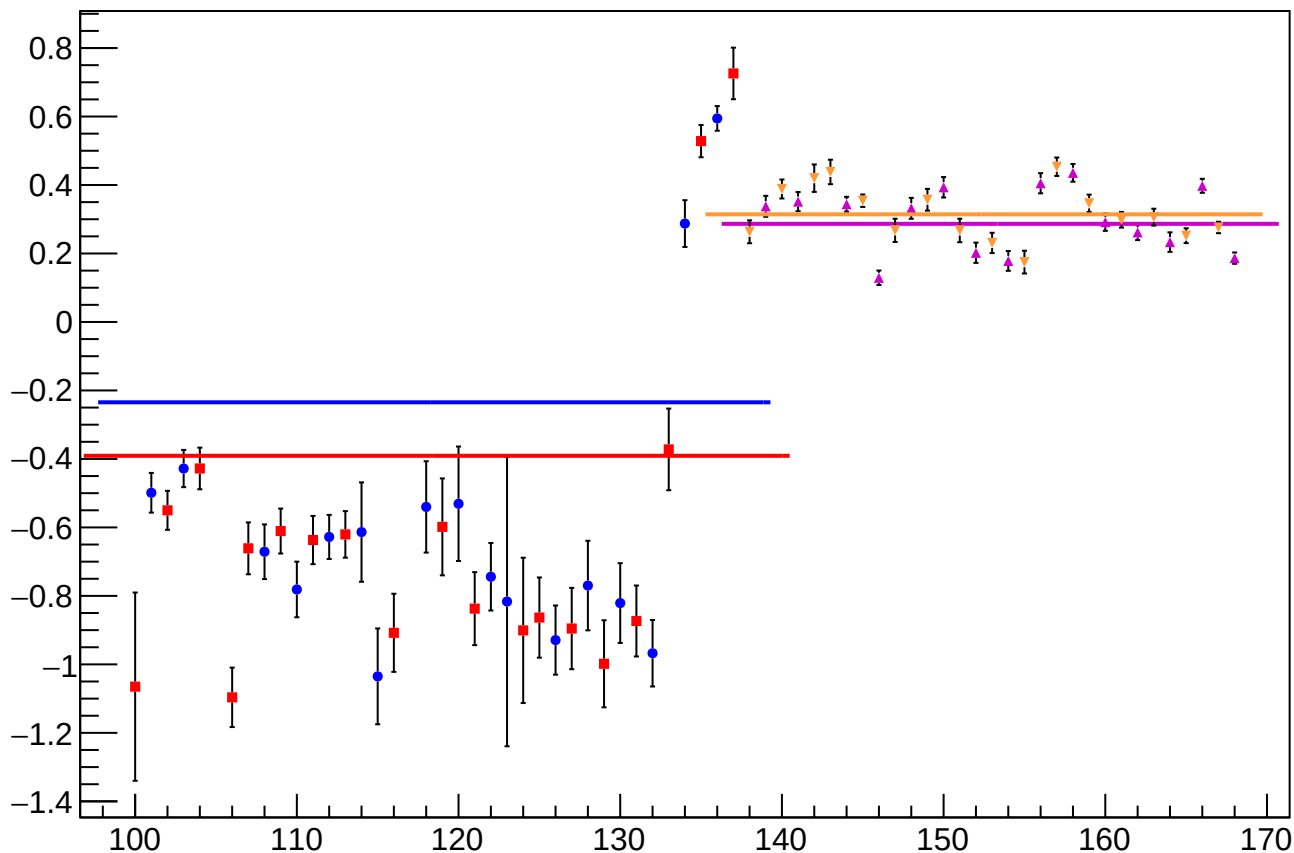
Right: 2.208 ± 0.248 χ^2/NDF : 511.4/35

In: 3.581 ± 0.126 χ^2/NDF : 1026.5/31

Out: 3.743 ± 0.129 χ^2/NDF : 1039.1/34

All: 3.660 ± 0.090 χ^2/NDF : 2066.4/66

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.235 ± 0.019 χ^2/NDF : 958.4/16

Left Out: 0.314 ± 0.007 χ^2/NDF : 106.9/15

Right Out: -0.391 ± 0.019 χ^2/NDF : 853.3/18

Left In: 0.287 ± 0.006 χ^2/NDF : 228.0/14

Left: 0.300 ± 0.005 χ^2/NDF : 344.2/30

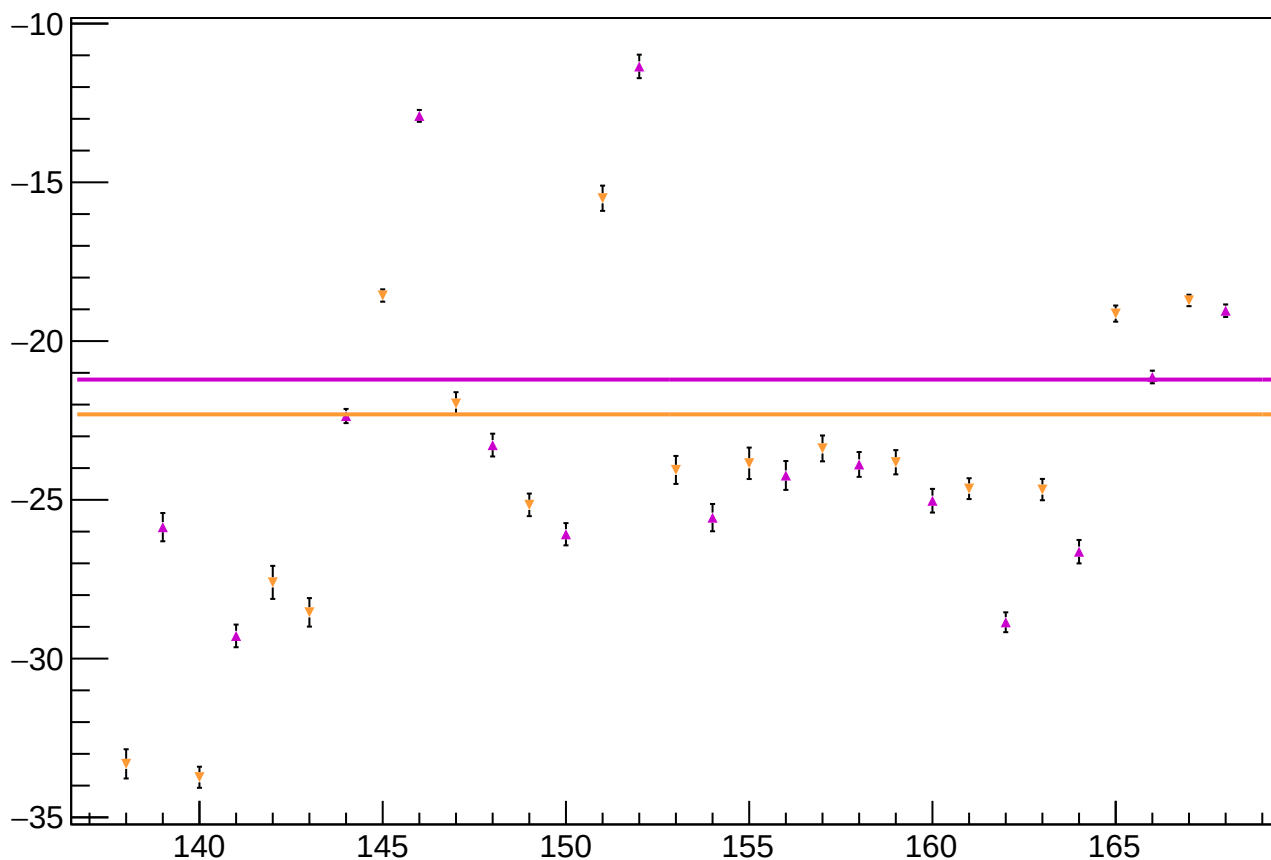
Right: -0.312 ± 0.013 χ^2/NDF : 1845.8/35

In: 0.233 ± 0.006 χ^2/NDF : 1871.2/31

Out: 0.240 ± 0.006 χ^2/NDF : 2198.1/34

All: 0.237 ± 0.004 χ^2/NDF : 4070.0/66

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -22.308+/-0.080 χ^2/NDF :3480.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -21.212+/-0.075 χ^2/NDF :4778.6/14

Left: -21.728+/-0.055 χ^2/NDF : 8359.2/30

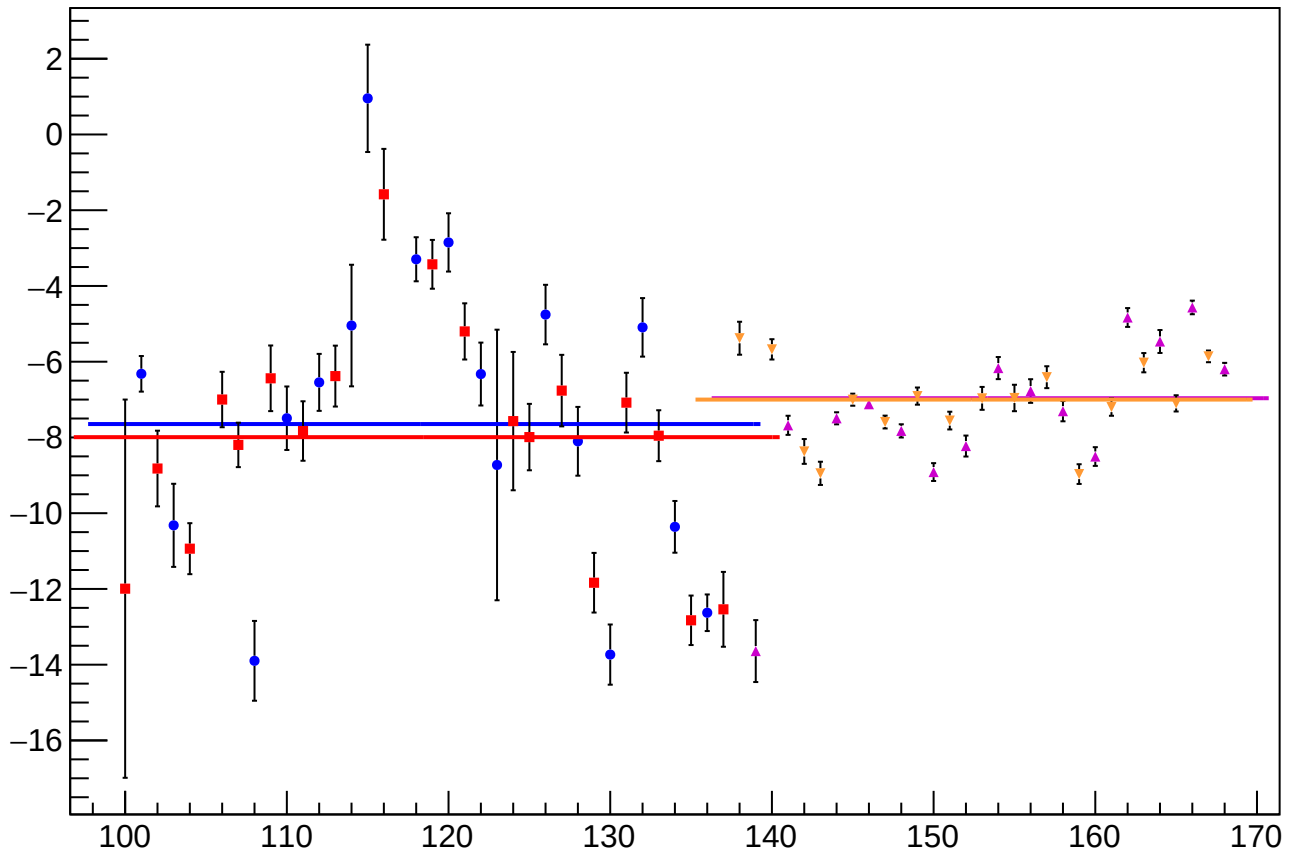
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -21.212+/-0.075 χ^2/NDF :4778.6/14

Out: -22.308+/-0.080 χ^2/NDF :3480.5/15

All: -21.728+/-0.055 χ^2/NDF : 8359.2/30

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.646 ± 0.186 χ^2/NDF : 393.6/16

Left Out: -7.000 ± 0.058 χ^2/NDF : 245.7/15

Right Out: -7.992 ± 0.186 χ^2/NDF : 225.5/18

Left In: -6.964 ± 0.054 χ^2/NDF : 546.1/14

Left: -6.981 ± 0.040 χ^2/NDF : 792.0/30

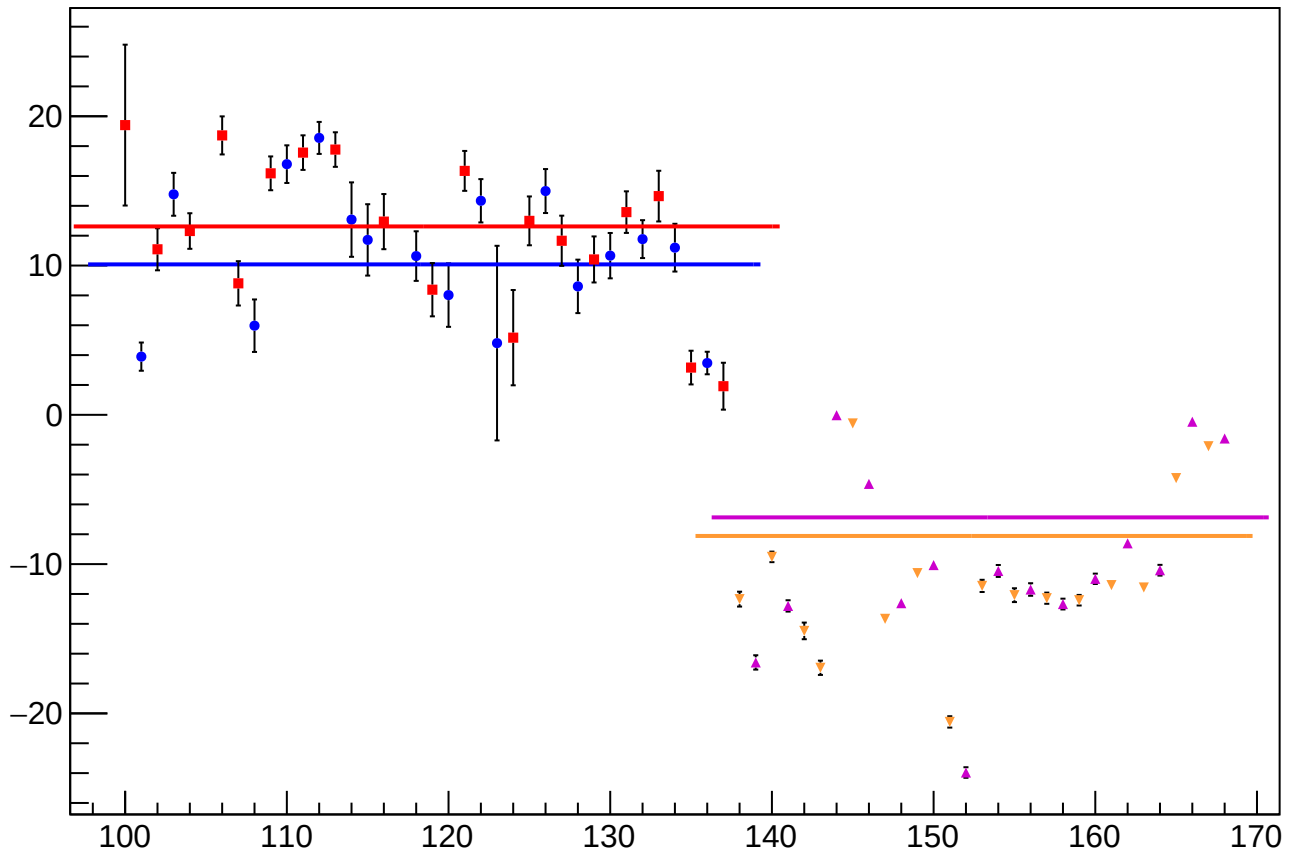
Right: -7.819 ± 0.131 χ^2/NDF : 620.8/35

In: -7.018 ± 0.052 χ^2/NDF : 952.2/31

Out: -7.089 ± 0.056 χ^2/NDF : 497.1/34

All: -7.051 ± 0.038 χ^2/NDF : 1450.1/66

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.077 ± 0.337 $\chi^2/\text{NDF}: 252.8/16$

Left Out: -8.114 ± 0.079 $\chi^2/\text{NDF}: 5229.3/15$

Right Out: 12.620 ± 0.332 $\chi^2/\text{NDF}: 220.0/18$

Left In: -6.870 ± 0.074 $\chi^2/\text{NDF}: 6774.9/14$

Left: -7.450 ± 0.054 $\chi^2/\text{NDF}: 12135.1/30$

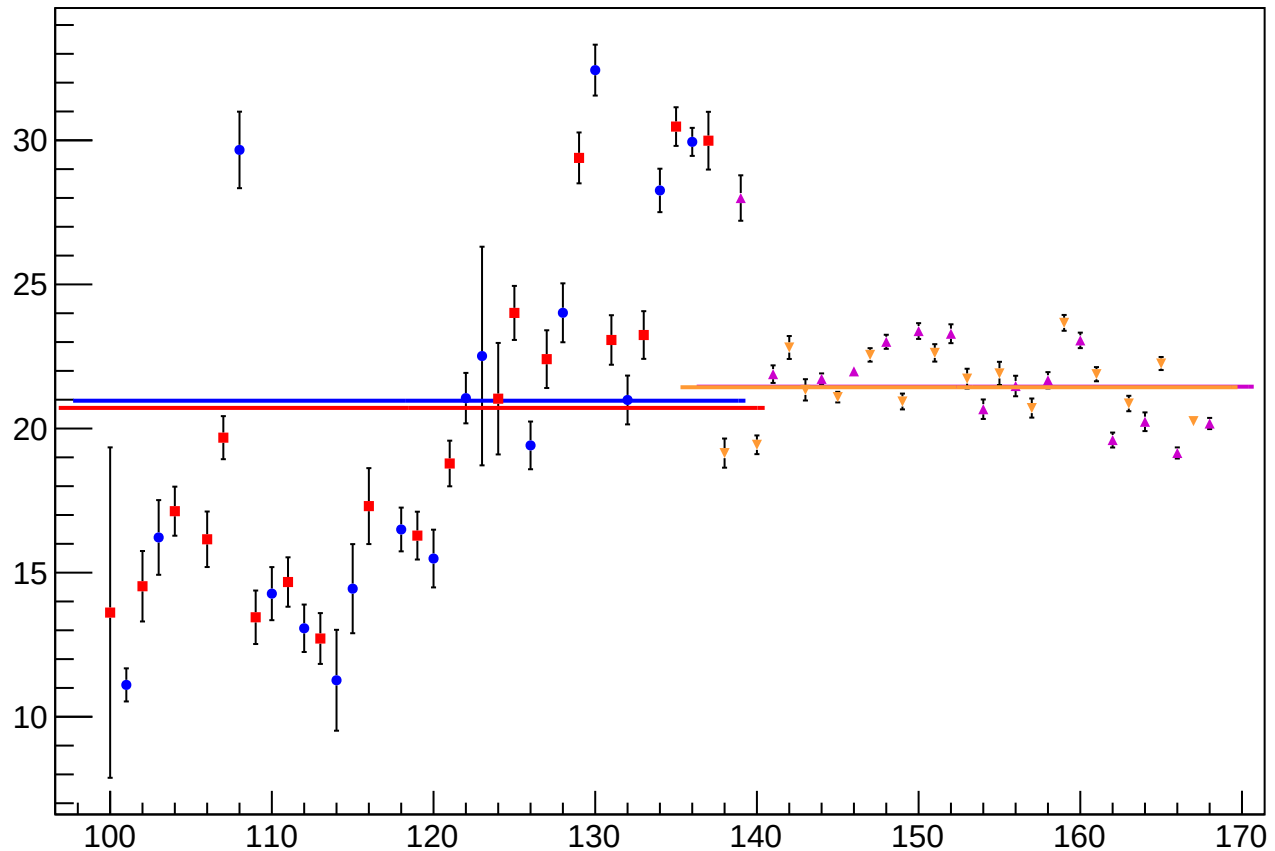
Right: 11.365 ± 0.237 $\chi^2/\text{NDF}: 501.6/35$

In: -6.084 ± 0.073 $\chi^2/\text{NDF}: 9442.6/31$

Out: -6.994 ± 0.077 $\chi^2/\text{NDF}: 9129.1/34$

All: -6.510 ± 0.053 $\chi^2/\text{NDF}: 18645.5/66$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.965 $\pm$ 0.209 χ^2 /NDF: 1225.5/16

Left Out: 21.433 $\pm$ 0.067 χ^2 /NDF:258.3/15

Right Out: 20.716 $\pm$ 0.213 χ^2 /NDF: 729.9/18

Left In: 21.452 $\pm$ 0.064 χ^2 /NDF:500.3/14

Left: 21.443 $\pm$ 0.046 χ^2 /NDF: 758.6/30

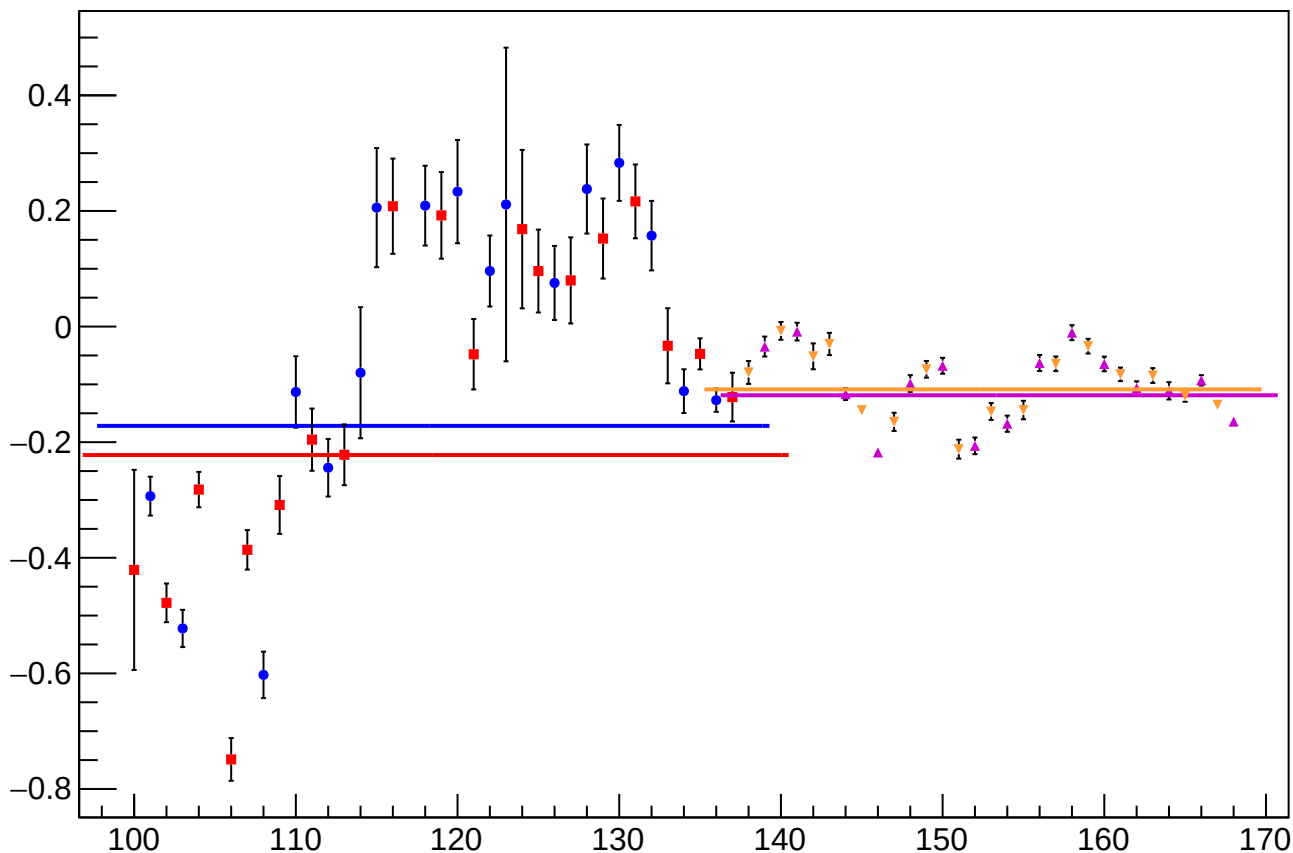
Right: 20.842 $\pm$ 0.149 χ^2 /NDF: 1956.1/35

In: 21.411 $\pm$ 0.061 χ^2 /NDF:1730.7/31

Out: 21.367 $\pm$ 0.064 χ^2 /NDF:998.5/34

All: 21.390 $\pm$ 0.044 χ^2 /NDF: 2729.4/66

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.172 ± 0.011 χ^2/NDF : 464.2/16

Left Out: -0.109 ± 0.003 χ^2/NDF : 227.9/15

Right Out: -0.222 ± 0.011 χ^2/NDF : 536.1/18

Left In: -0.119 ± 0.003 χ^2/NDF : 427.9/14

Left: -0.114 ± 0.002 χ^2/NDF : 661.2/30

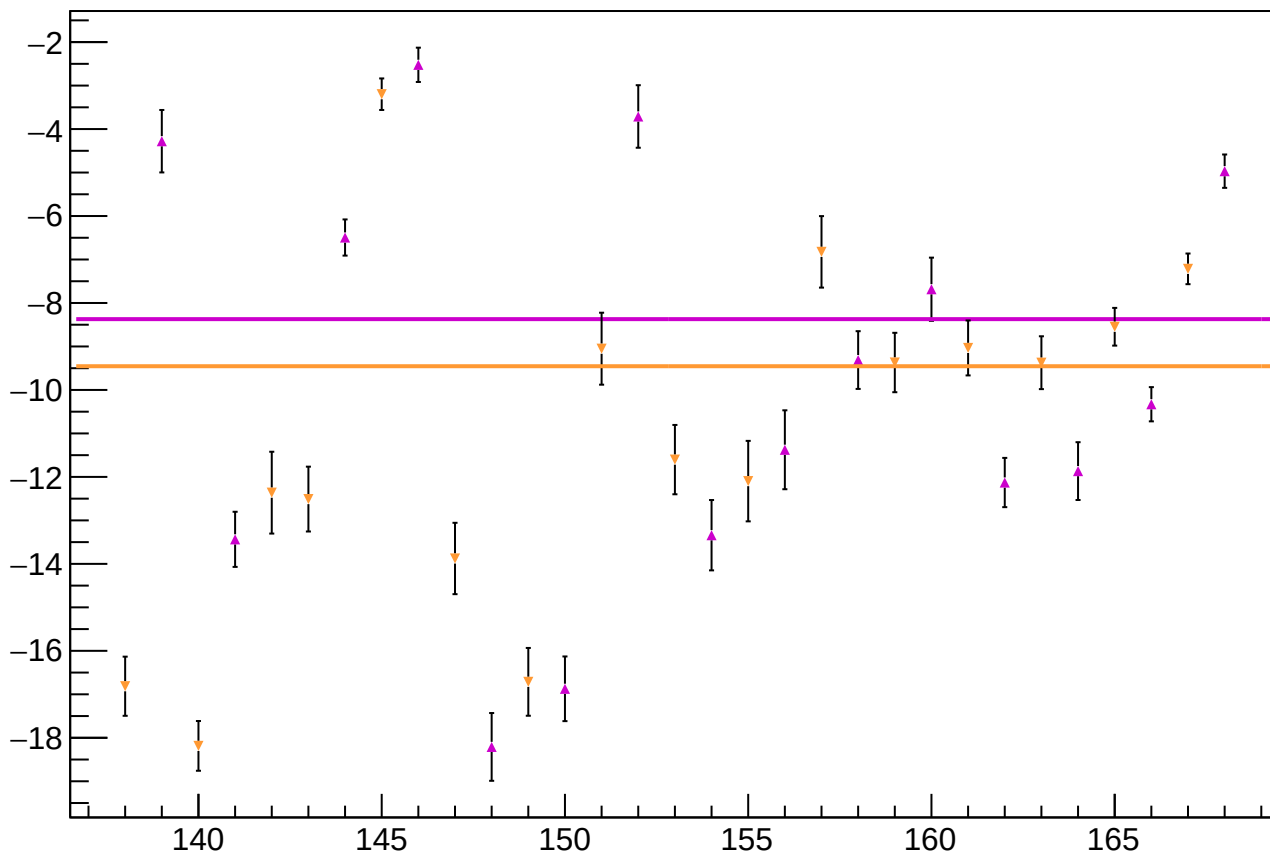
Right: -0.198 ± 0.008 χ^2/NDF : 1010.7/35

In: -0.122 ± 0.003 χ^2/NDF : 912.9/31

Out: -0.117 ± 0.003 χ^2/NDF : 863.5/34

All: -0.120 ± 0.002 χ^2/NDF : 1777.9/66

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.454+/-0.149 χ^2/NDF : 860.8/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.371+/-0.145 χ^2/NDF : 895.3/14

Left: -8.900+/-0.104 χ^2/NDF : 1783.2/30

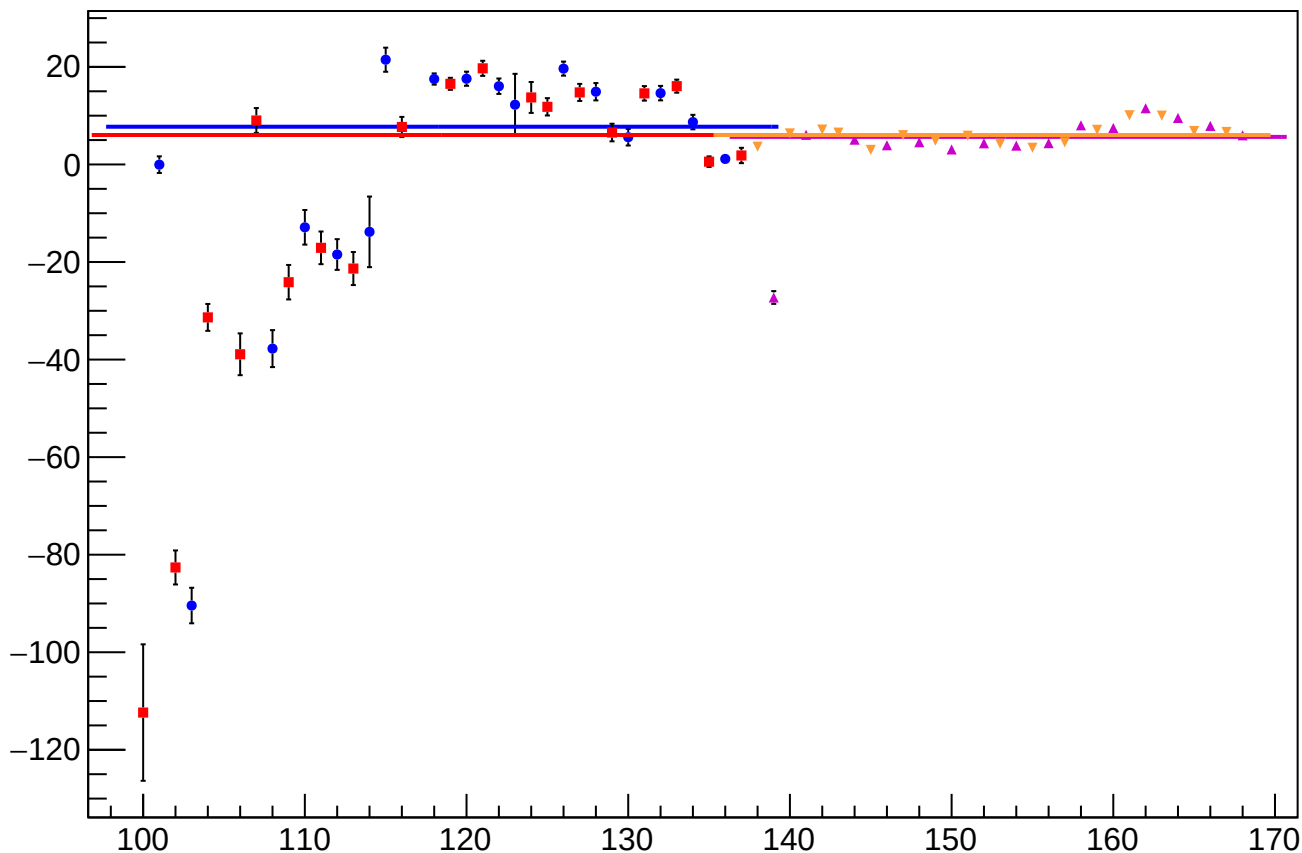
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.371+/-0.145 χ^2/NDF : 895.3/14

Out: -9.454+/-0.149 χ^2/NDF : 860.8/15

All: -8.900+/-0.104 χ^2/NDF : 1783.2/30

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.736 ± 0.403 $\chi^2/\text{NDF}: 1358.4/16$

Left Out: 6.033 ± 0.110 $\chi^2/\text{NDF}: 342.2/15$

Right Out: 6.040 ± 0.434 $\chi^2/\text{NDF}: 1512.1/18$

Left In: 5.651 ± 0.107 $\chi^2/\text{NDF}: 1043.6/14$

Left: 5.836 ± 0.077 $\chi^2/\text{NDF}: 1392.0/30$

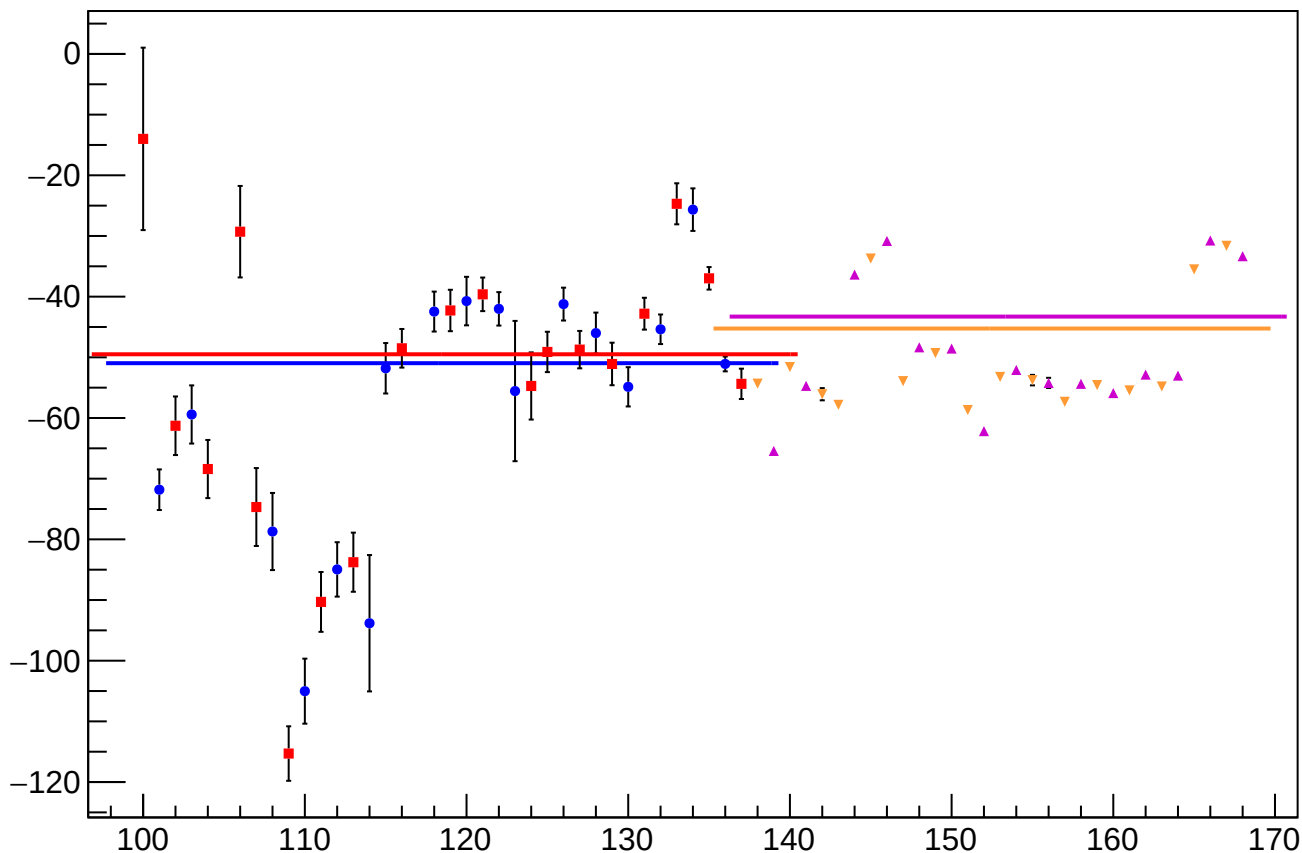
Right: 6.952 ± 0.295 $\chi^2/\text{NDF}: 2878.8/35$

In: 5.787 ± 0.103 $\chi^2/\text{NDF}: 2427.1/31$

Out: 6.034 ± 0.107 $\chi^2/\text{NDF}: 1854.3/34$

All: 5.906 ± 0.074 $\chi^2/\text{NDF}: 4284.1/66$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -50.966 ± 0.738 χ^2/NDF : 332.7/16

Left Out: -45.254 ± 0.149 χ^2/NDF : 5133.7/15

Right Out: -49.497 ± 0.797 χ^2/NDF : 510.4/18

Left In: -43.288 ± 0.144 χ^2/NDF : 6429.7/14

Left: -44.235 ± 0.103 χ^2/NDF : 11653.7/30

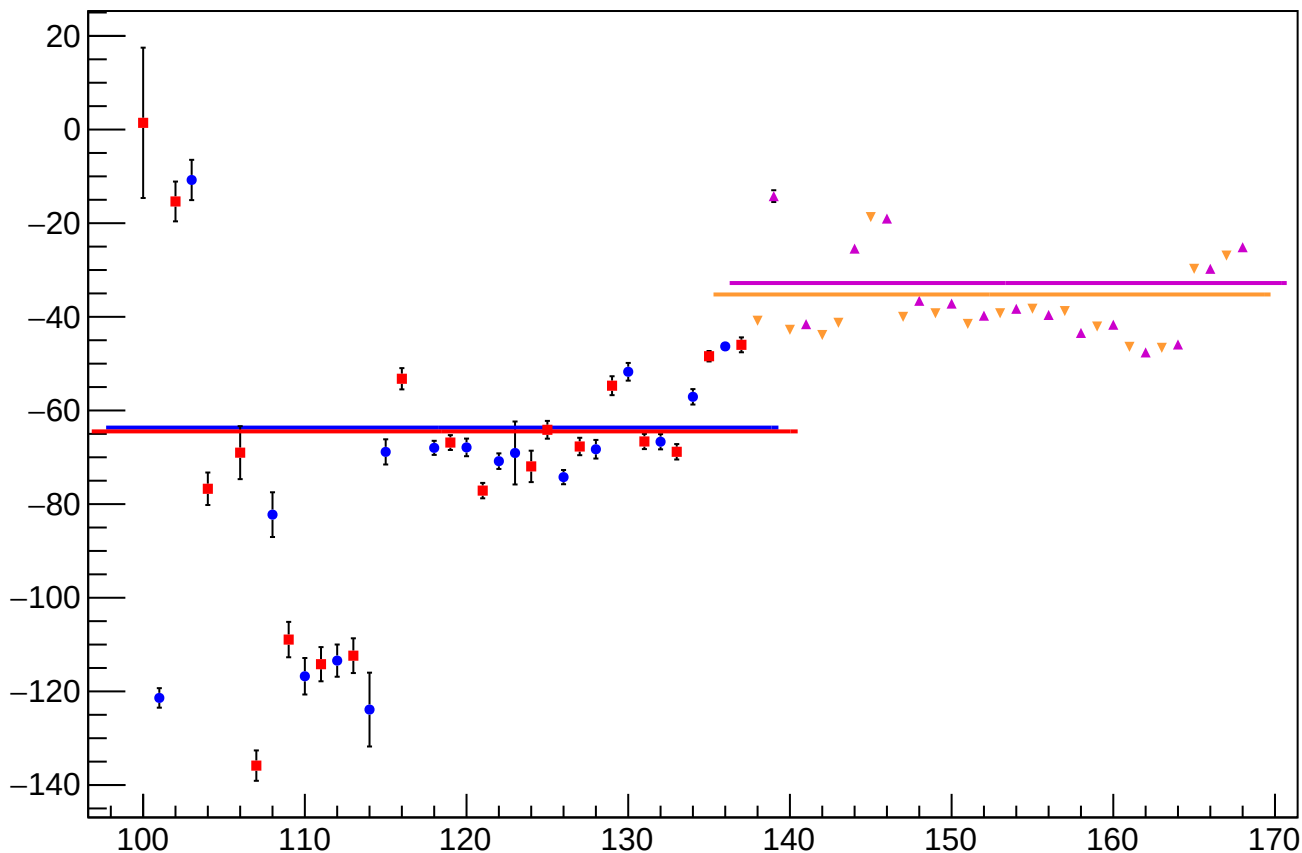
Right: -50.288 ± 0.541 χ^2/NDF : 844.9/35

In: -43.568 ± 0.141 χ^2/NDF : 6866.7/31

Out: -45.397 ± 0.146 χ^2/NDF : 5671.4/34

All: -44.448 ± 0.102 χ^2/NDF : 12619.2/66

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.656 ± 0.445 χ^2/NDF : 2014.7/16

Left Out: -35.224 ± 0.126 χ^2/NDF : 5376.4/15

Right Out: -64.470 ± 0.483 χ^2/NDF : 1606.8/18

Left In: -32.781 ± 0.124 χ^2/NDF : 5980.3/14

Left: -33.979 ± 0.089 χ^2/NDF : 11547.1/30

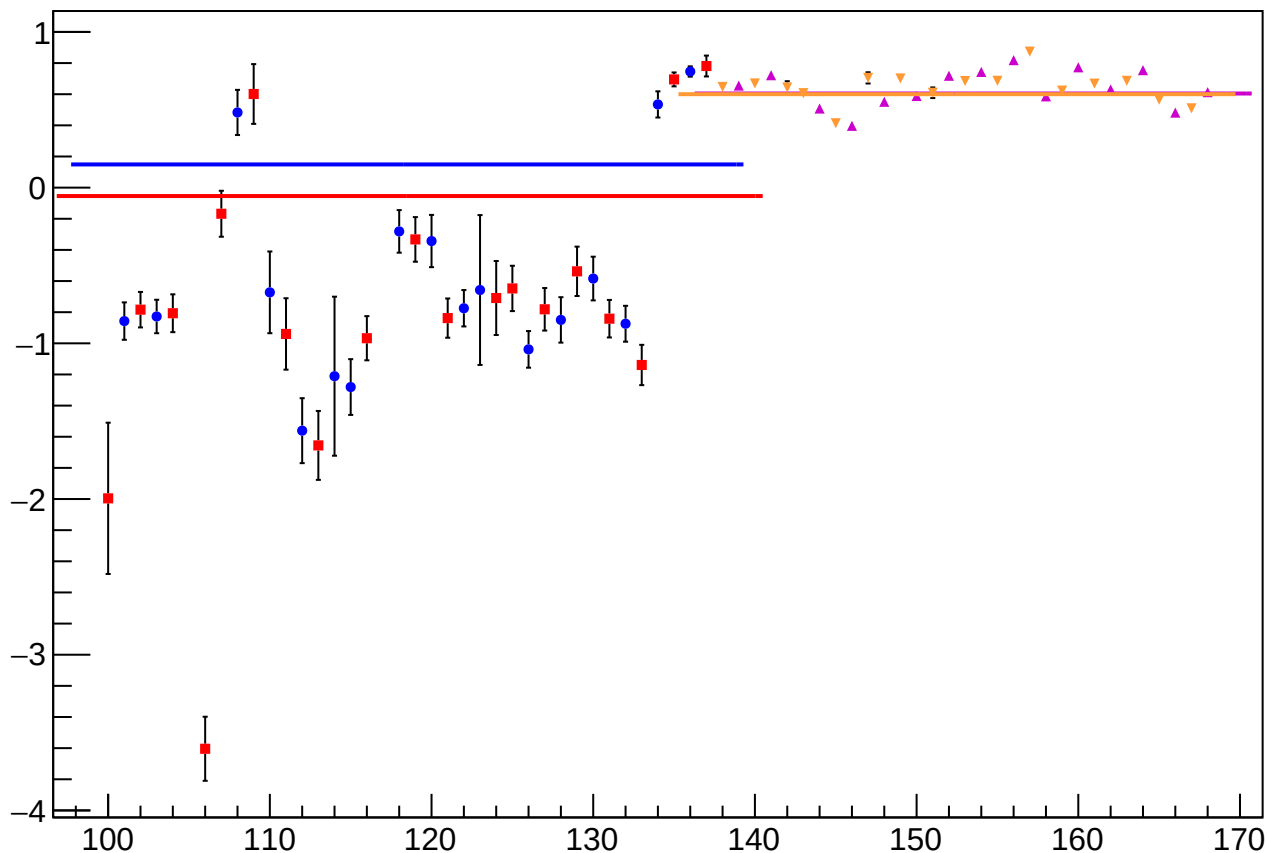
Right: -64.030 ± 0.327 χ^2/NDF : 3623.1/35

In: -35.001 ± 0.119 χ^2/NDF : 12455.3/31

Out: -37.102 ± 0.122 χ^2/NDF : 10421.2/34

All: -36.027 ± 0.085 χ^2/NDF : 23027.7/66

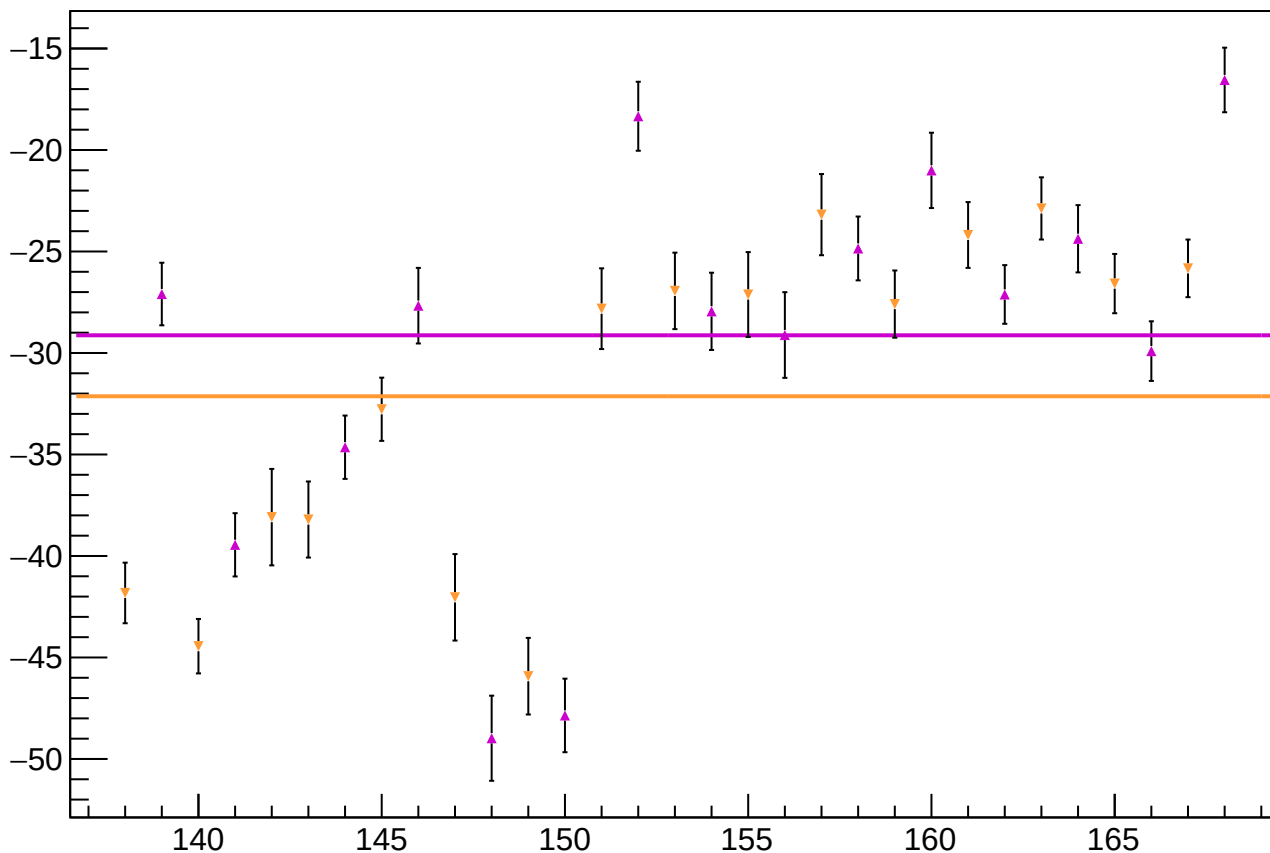
reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.149 ± 0.024 χ^2/NDF : 989.9/16
 Left Out: 0.600 ± 0.006 χ^2/NDF : 379.4/15
 Right Out: -0.054 ± 0.026 χ^2/NDF : 1167.9/18
 Left In: 0.605 ± 0.006 χ^2/NDF : 418.3/14

Left: 0.602 ± 0.004 χ^2/NDF : 798.1/30
 Right: 0.056 ± 0.018 χ^2/NDF : 2190.5/35
 In: 0.579 ± 0.006 χ^2/NDF : 1749.5/31
 Out: 0.569 ± 0.006 χ^2/NDF : 2140.8/34
 All: 0.574 ± 0.004 χ^2/NDF : 3892.1/66

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -32.132 $\pm$ 0.425 χ^2 /NDF:358.6/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -29.128 $\pm$ 0.434 χ^2 /NDF:395.4/14

Left: -30.661 $\pm$ 0.304 χ^2 /NDF: 778.4/30

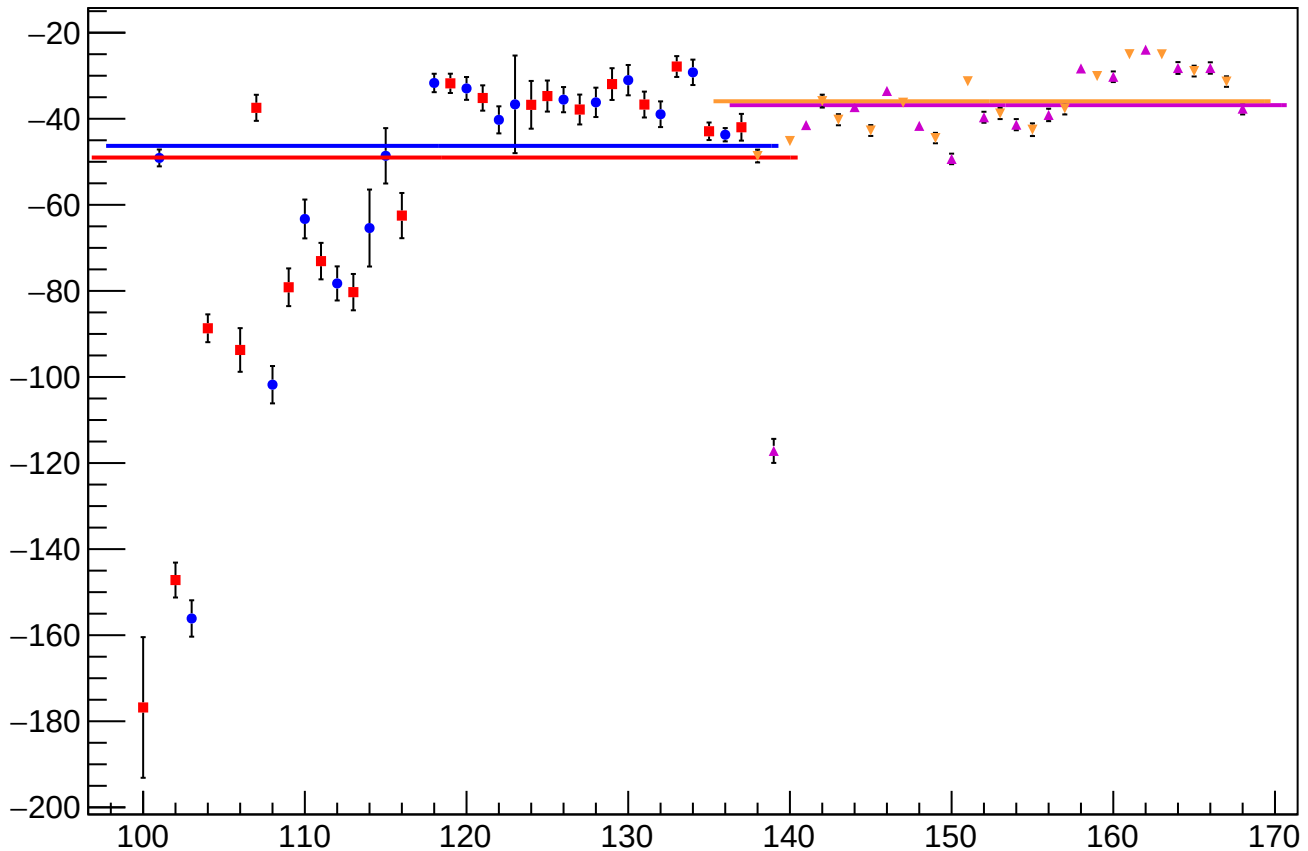
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -29.128 $\pm$ 0.434 χ^2 /NDF:395.4/14

Out: -32.132 $\pm$ 0.425 χ^2 /NDF:358.6/15

All: -30.661 $\pm$ 0.304 χ^2 /NDF: 778.4/30

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.300 ± 0.723 χ^2/NDF : 1084.0/16

Left Out: -35.933 ± 0.309 χ^2/NDF : 528.5/15

Right Out: -49.008 ± 0.764 χ^2/NDF : 1271.7/18

Left In: -36.838 ± 0.321 χ^2/NDF : 1297.0/14

Left: -36.369 ± 0.222 χ^2/NDF : 1829.6/30

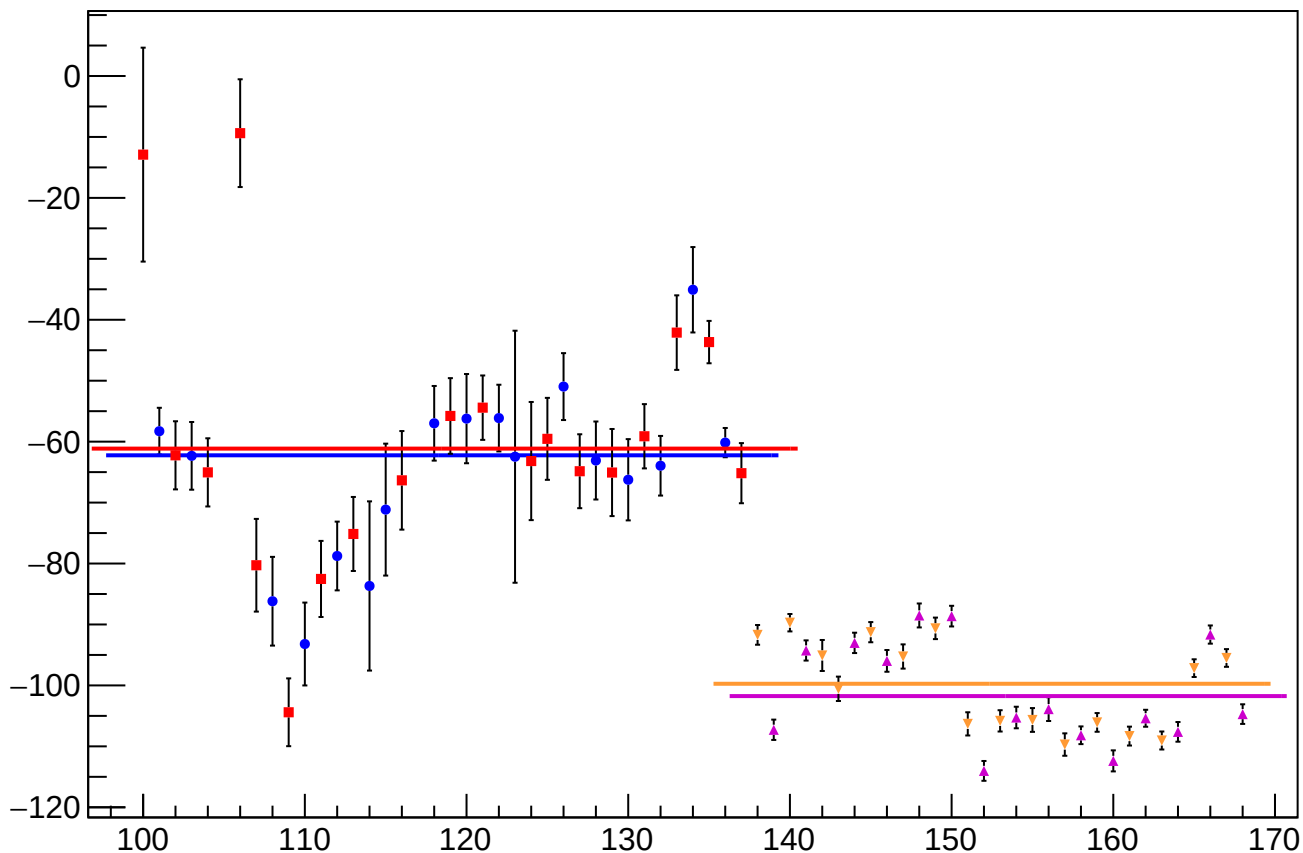
Right: -47.580 ± 0.525 χ^2/NDF : 2362.3/35

In: -38.393 ± 0.293 χ^2/NDF : 2524.2/31

Out: -37.770 ± 0.286 χ^2/NDF : 2052.1/34

All: -38.075 ± 0.205 χ^2/NDF : 4578.6/66

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.242 ± 1.310 χ^2/NDF : 67.4/16

Left Out: -99.730 ± 0.422 χ^2/NDF : 296.9/15

Right Out: -61.142 ± 1.379 χ^2/NDF : 165.6/18

Left In: -101.751 ± 0.426 χ^2/NDF : 363.4/14

Left: -100.730 ± 0.300 χ^2/NDF : 671.7/30

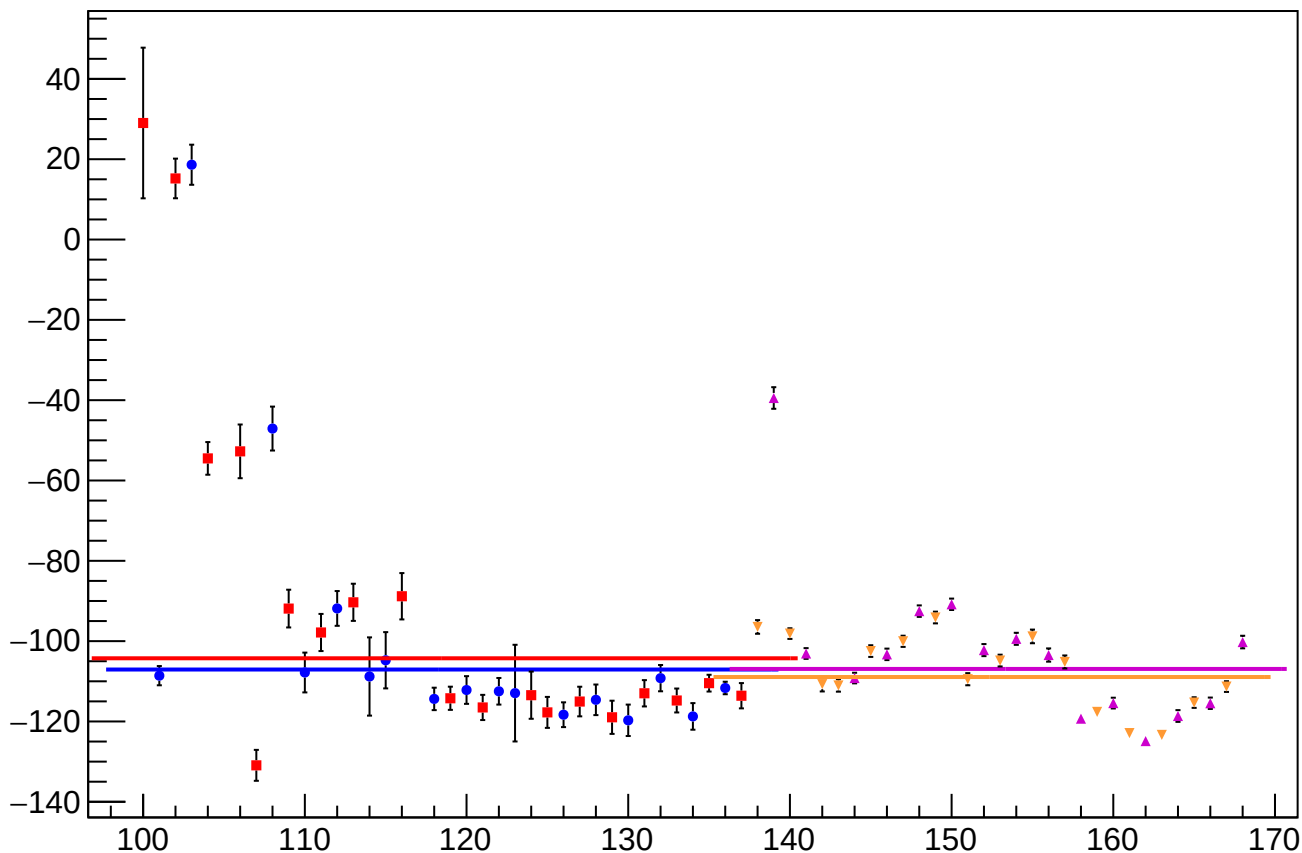
Right: -61.720 ± 0.950 χ^2/NDF : 233.3/35

In: -97.972 ± 0.405 χ^2/NDF : 1253.2/31

Out: -96.433 ± 0.403 χ^2/NDF : 1178.1/34

All: -97.199 ± 0.286 χ^2/NDF : 2438.6/66

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -107.066 ± 0.811 $\chi^2/\text{NDF}: 828.4/16$

Left Out: -108.935 ± 0.356 $\chi^2/\text{NDF}: 684.7/15$

Right Out: -104.269 ± 0.861 $\chi^2/\text{NDF}: 1018.6/18$

Left In: -106.920 ± 0.368 $\chi^2/\text{NDF}: 1415.7/14$

Left: -107.961 ± 0.256 $\chi^2/\text{NDF}: 2115.9/30$

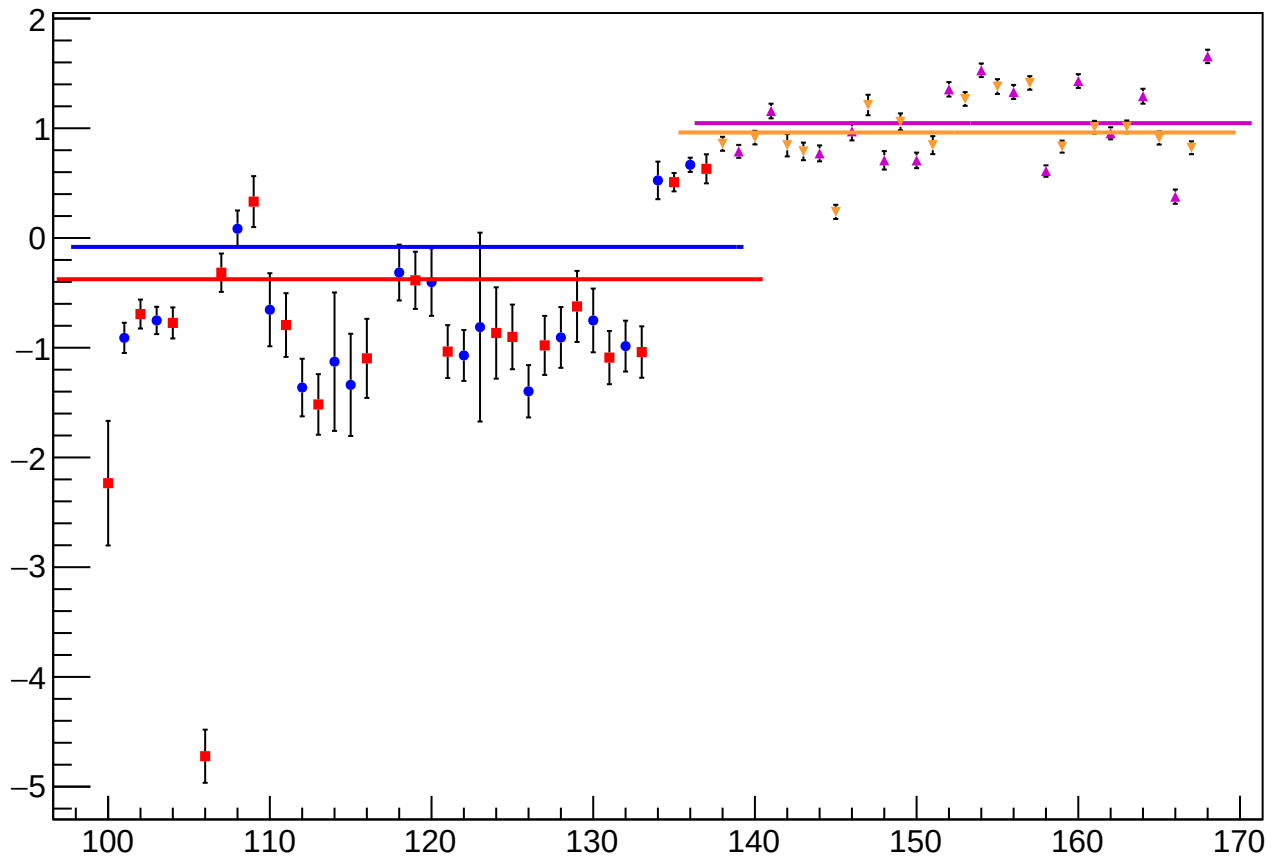
Right: -105.751 ± 0.590 $\chi^2/\text{NDF}: 1852.6/35$

In: -106.945 ± 0.335 $\chi^2/\text{NDF}: 2244.0/31$

Out: -108.254 ± 0.329 $\chi^2/\text{NDF}: 1728.5/34$

All: -107.612 ± 0.235 $\chi^2/\text{NDF}: 3980.3/66$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.081 ± 0.042 χ^2/NDF : 329.0/16

Left Out: 0.962 ± 0.017 χ^2/NDF : 272.7/15

Right Out: -0.376 ± 0.044 χ^2/NDF : 583.0/18

Left In: 1.047 ± 0.017 χ^2/NDF : 504.7/14

Left: 1.004 ± 0.012 χ^2/NDF : 790.4/30

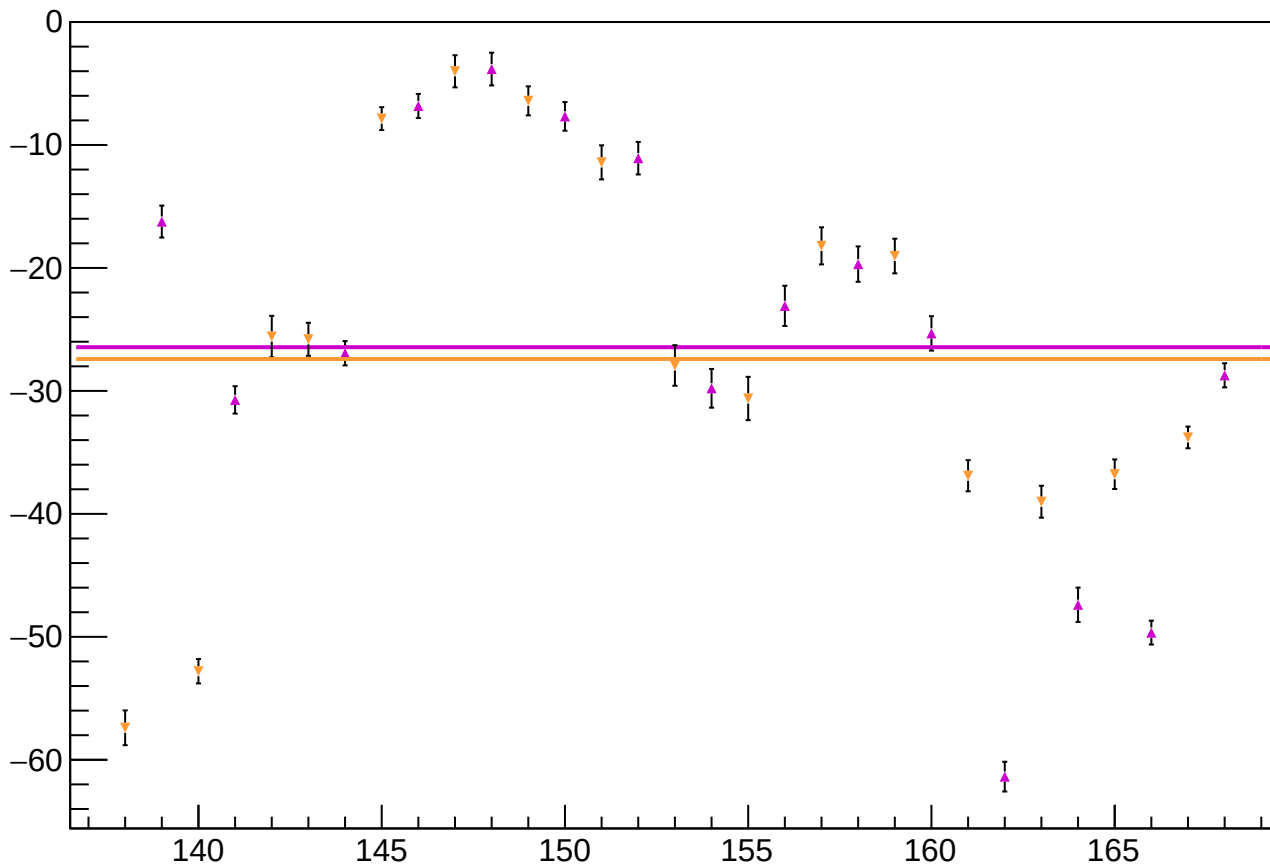
Right: -0.223 ± 0.030 χ^2/NDF : 935.4/35

In: 0.894 ± 0.016 χ^2/NDF : 1452.2/31

Out: 0.795 ± 0.015 χ^2/NDF : 1668.6/34

All: 0.844 ± 0.011 χ^2/NDF : 3141.1/66

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



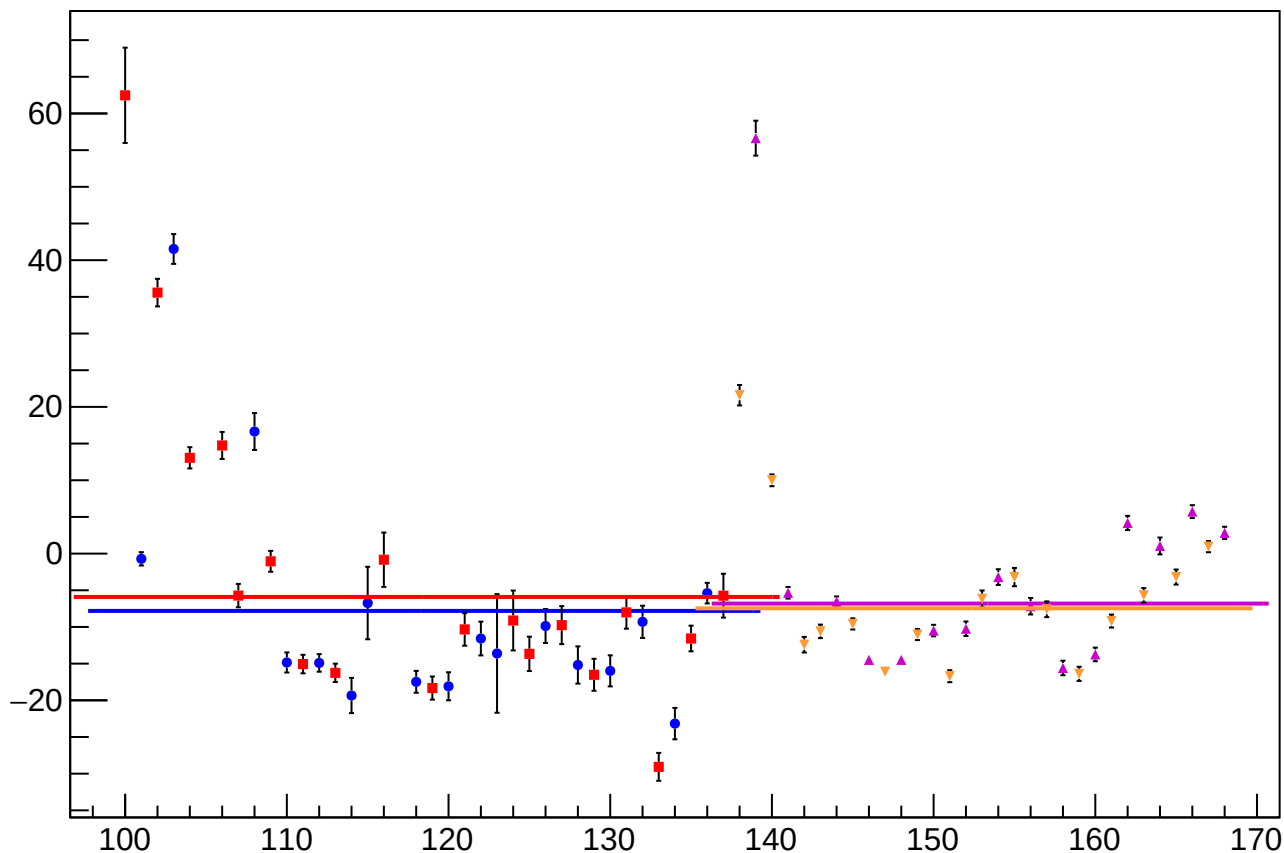
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -27.407+/-0.313 χ^2/NDF :2648.4/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -26.446+/-0.310 χ^2/NDF :2825.8/14

Left: -26.922+/-0.220 χ^2/NDF : 5479.0/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -26.446+/-0.310 χ^2/NDF :2825.8/14
 Out: -27.407+/-0.313 χ^2/NDF :2648.4/15

All: -26.922+/-0.220 χ^2/NDF : 5479.0/30

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.812 ± 0.427 χ^2/NDF : 982.8/16

Left Out: -7.464 ± 0.224 χ^2/NDF : 1531.3/15

Right Out: -5.908 ± 0.429 χ^2/NDF : 1293.1/18

Left In: -6.812 ± 0.225 χ^2/NDF : 1703.8/14

Left: -7.139 ± 0.158 χ^2/NDF : 3239.4/30

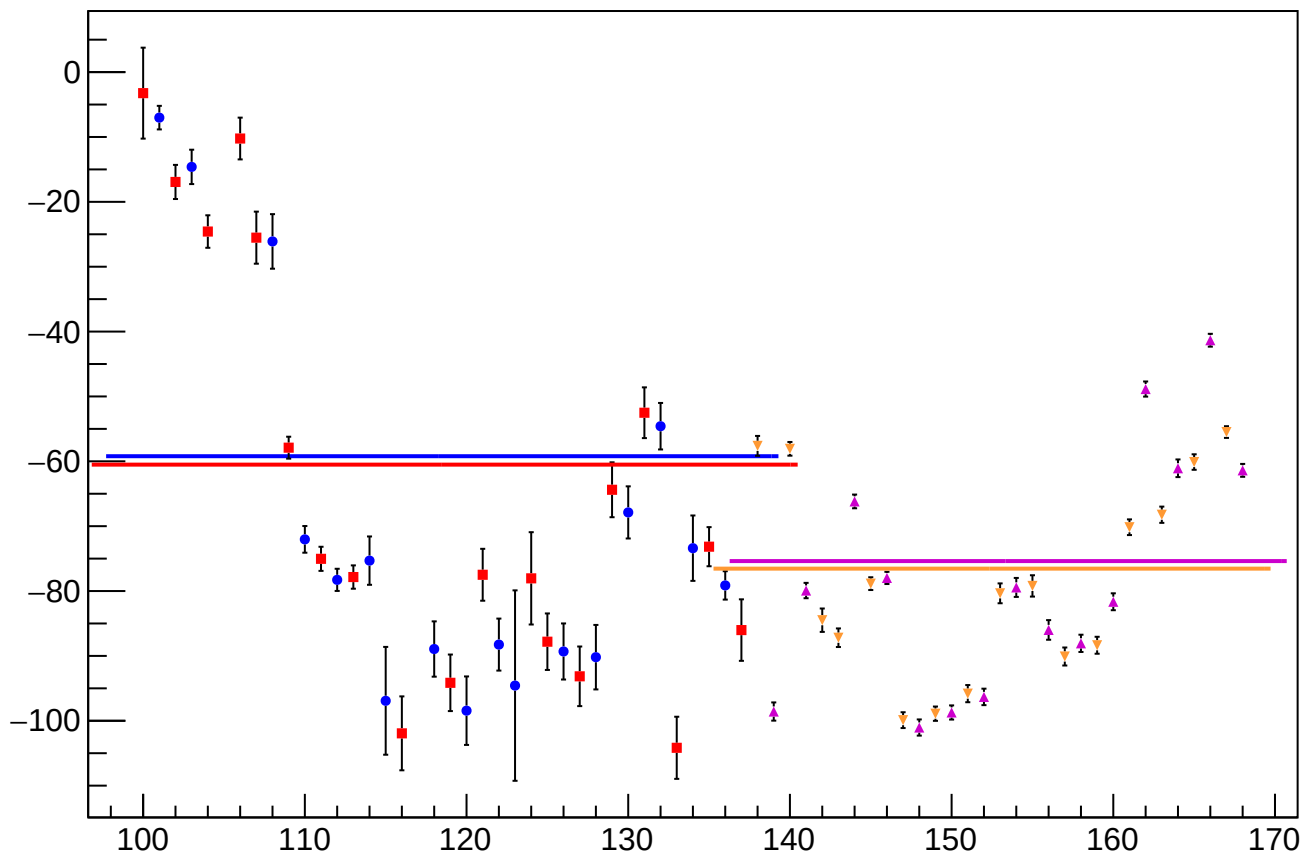
Right: -6.864 ± 0.303 χ^2/NDF : 2285.7/35

In: -7.028 ± 0.199 χ^2/NDF : 2690.9/31

Out: -7.131 ± 0.198 χ^2/NDF : 2834.7/34

All: -7.080 ± 0.140 χ^2/NDF : 5525.8/66

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.214 $\pm$ 0.744 χ^2 /NDF: 1720.4/16

Left Out: -76.545 $\pm$ 0.311 χ^2 /NDF: 2520.3/15

Right Out: -60.513 $\pm$ 0.704 χ^2 /NDF: 1383.9/18

Left In: -75.381 $\pm$ 0.305 χ^2 /NDF: 3707.4/14

Left: -75.953 $\pm$ 0.218 χ^2 /NDF: 6234.9/30

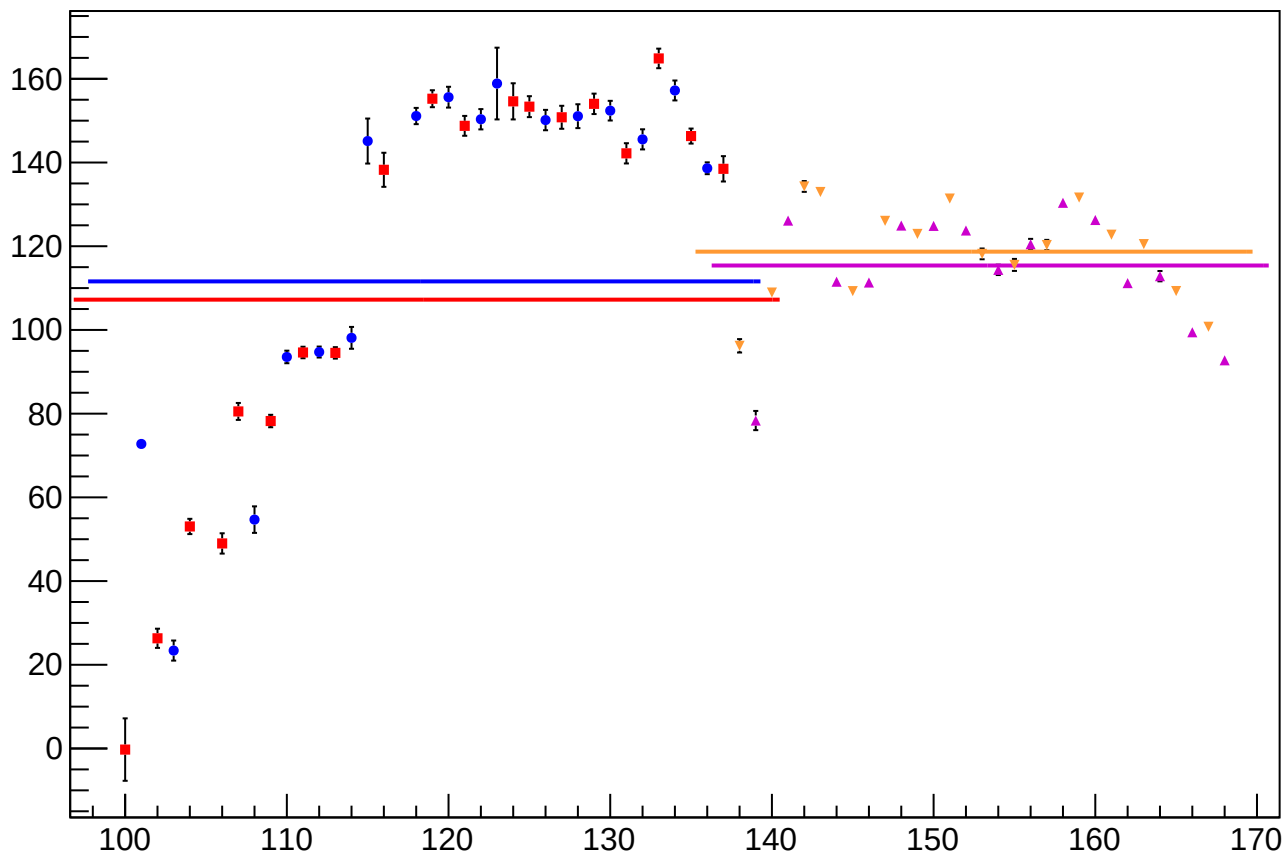
Right: -59.899 $\pm$ 0.511 χ^2 /NDF: 3105.9/35

In: -73.048 $\pm$ 0.283 χ^2 /NDF: 5832.1/31

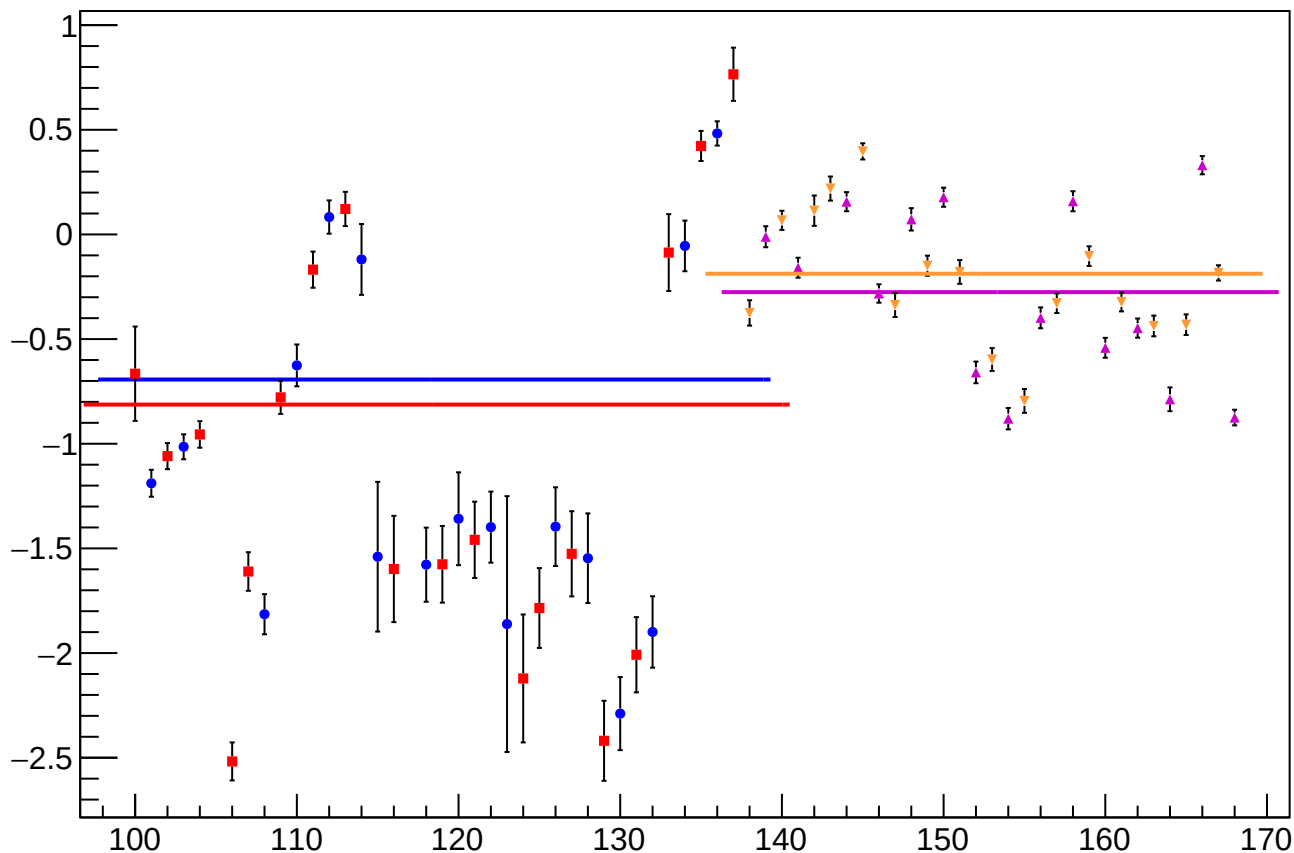
Out: -73.935 $\pm$ 0.284 χ^2 /NDF: 4338.2/34

All: -73.489 $\pm$ 0.200 χ^2 /NDF: 10175.2/66

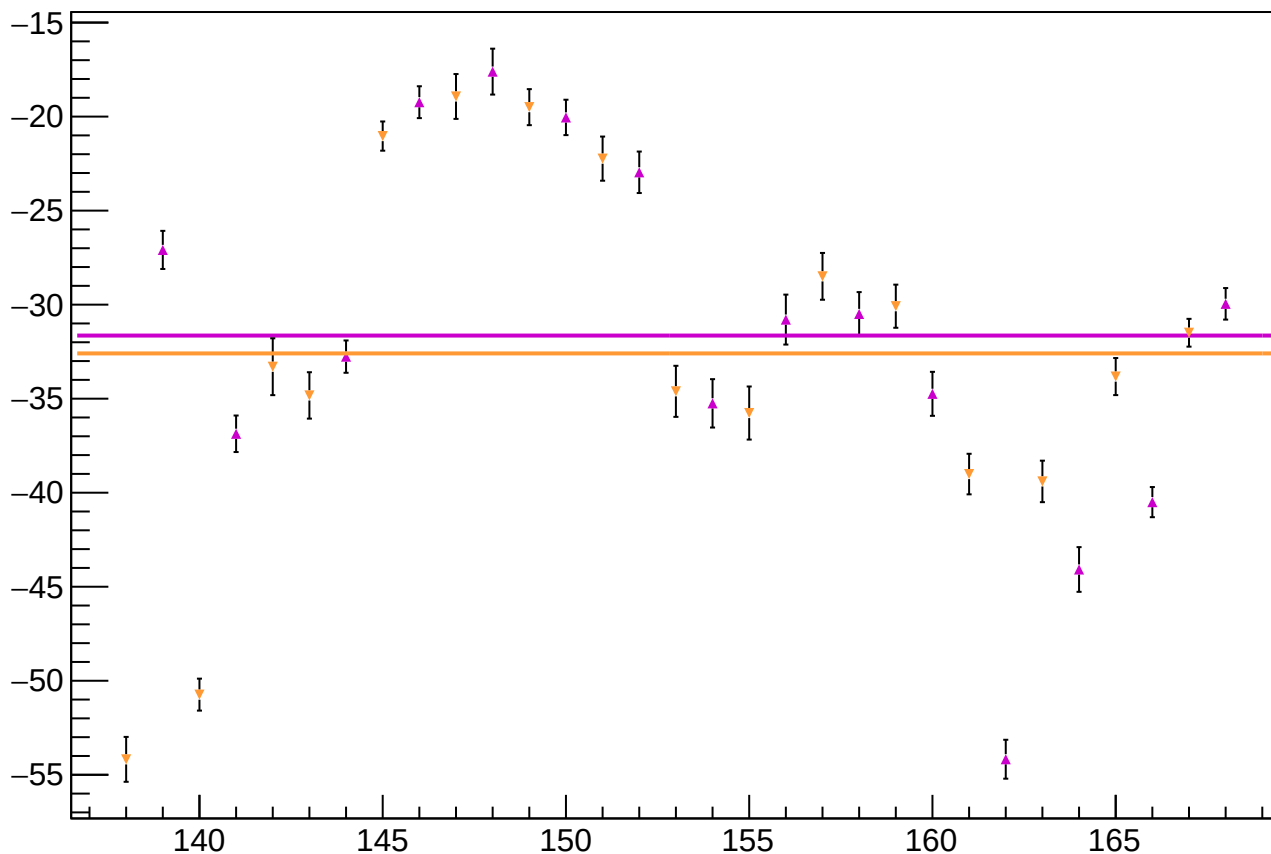
reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



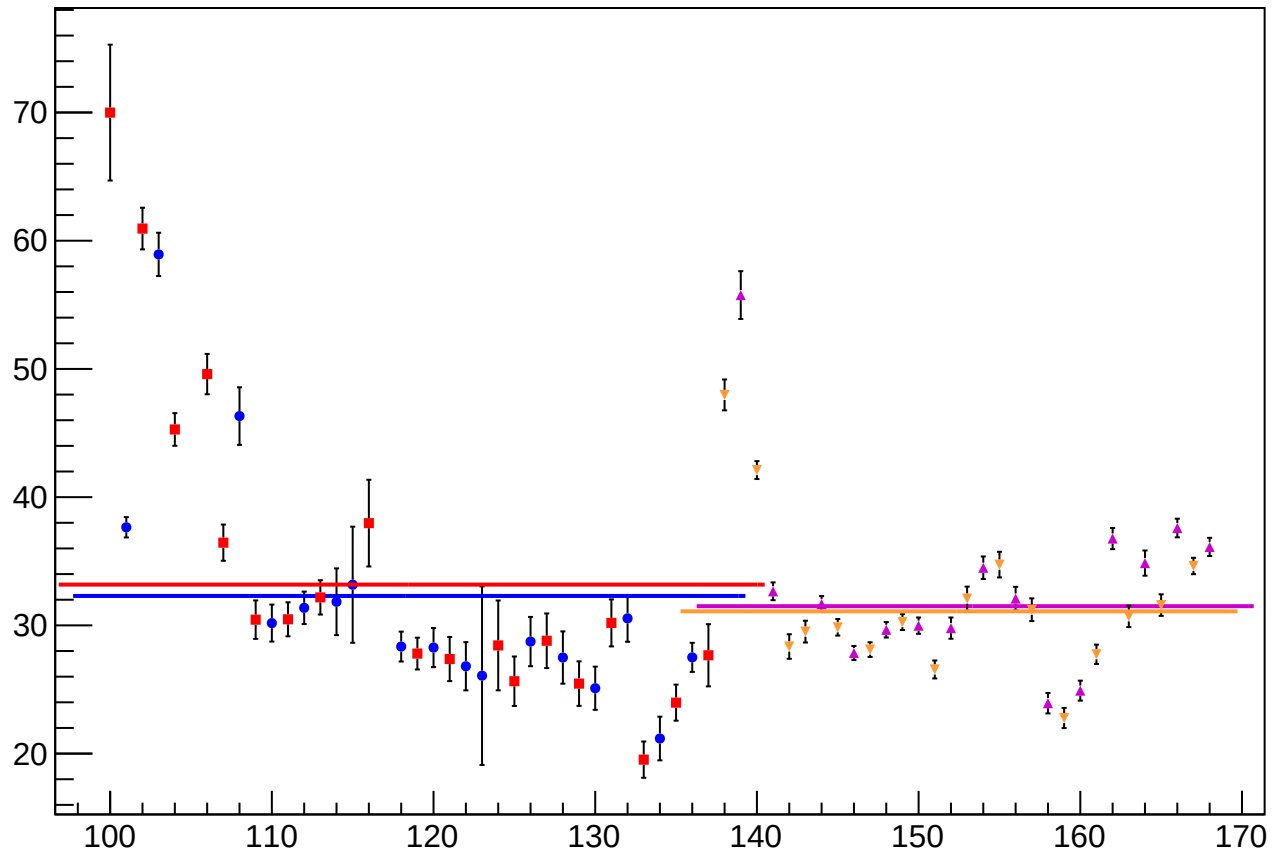
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -32.593+/-0.264 χ^2/NDF :1503.8/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -31.644+/-0.261 χ^2/NDF :1337.6/14

Left: -32.113+/-0.186 χ^2/NDF : 2847.9/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -31.644+/-0.261 χ^2/NDF :1337.6/14
 Out: -32.593+/-0.264 χ^2/NDF :1503.8/15

All: -32.113+/-0.186 χ^2/NDF : 2847.9/30

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.295 ± 0.373 $\chi^2/\text{NDF}: 452.2/16$

Left Out: 31.095 ± 0.191 $\chi^2/\text{NDF}: 709.9/15$

Right Out: 33.180 ± 0.379 $\chi^2/\text{NDF}: 770.3/18$

Left In: 31.497 ± 0.192 $\chi^2/\text{NDF}: 574.8/14$

Left: 31.295 ± 0.135 $\chi^2/\text{NDF}: 1286.9/30$

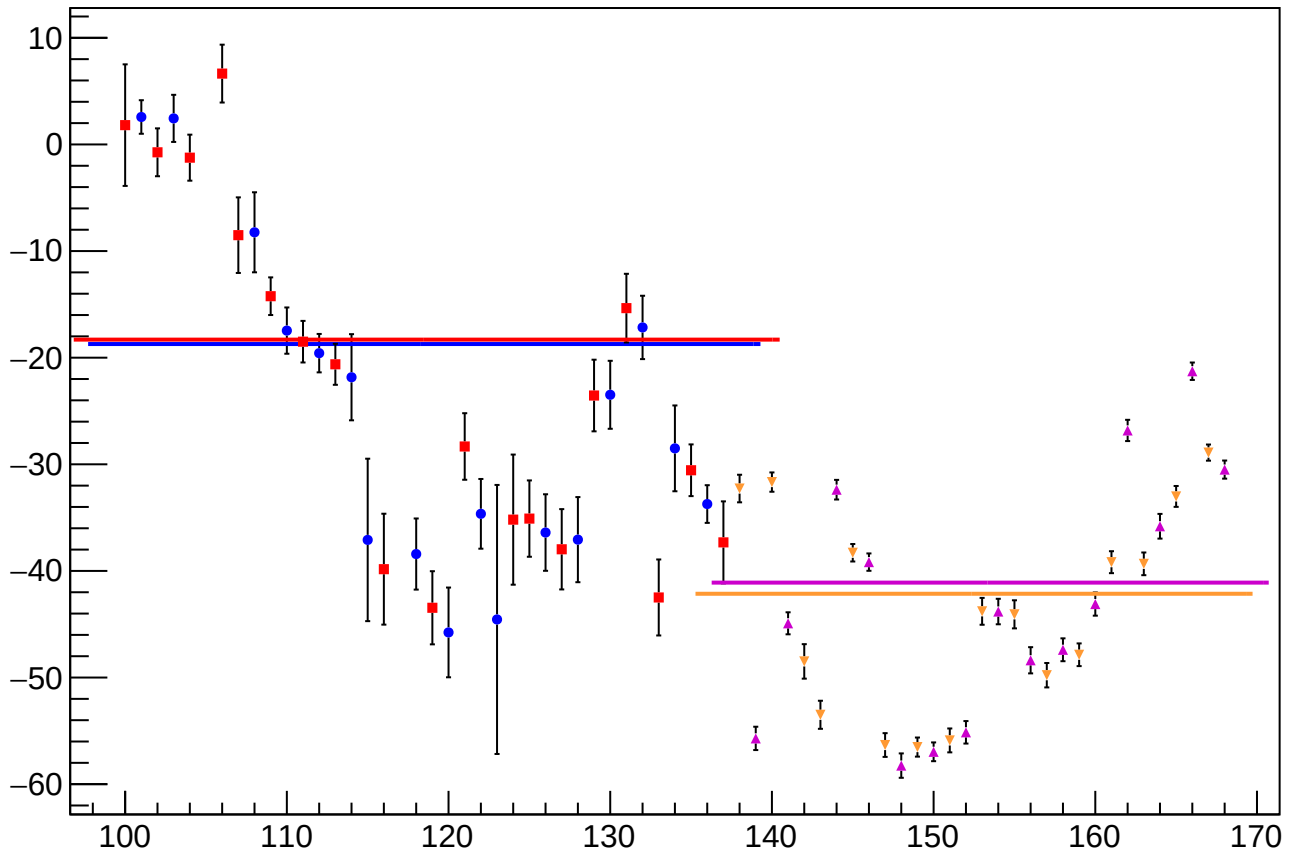
Right: 32.730 ± 0.266 $\chi^2/\text{NDF}: 1225.3/35$

In: 31.664 ± 0.171 $\chi^2/\text{NDF}: 1030.7/31$

Out: 31.517 ± 0.171 $\chi^2/\text{NDF}: 1504.2/34$

All: 31.590 ± 0.121 $\chi^2/\text{NDF}: 2535.3/66$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.721 ± 0.665 χ^2/NDF : 519.6/16

Left Out: -42.142 ± 0.262 χ^2/NDF : 1359.6/15

Right Out: -18.306 ± 0.644 χ^2/NDF : 472.6/18

Left In: -41.097 ± 0.257 χ^2/NDF : 2063.8/14

Left: -41.610 ± 0.183 χ^2/NDF : 3431.6/30

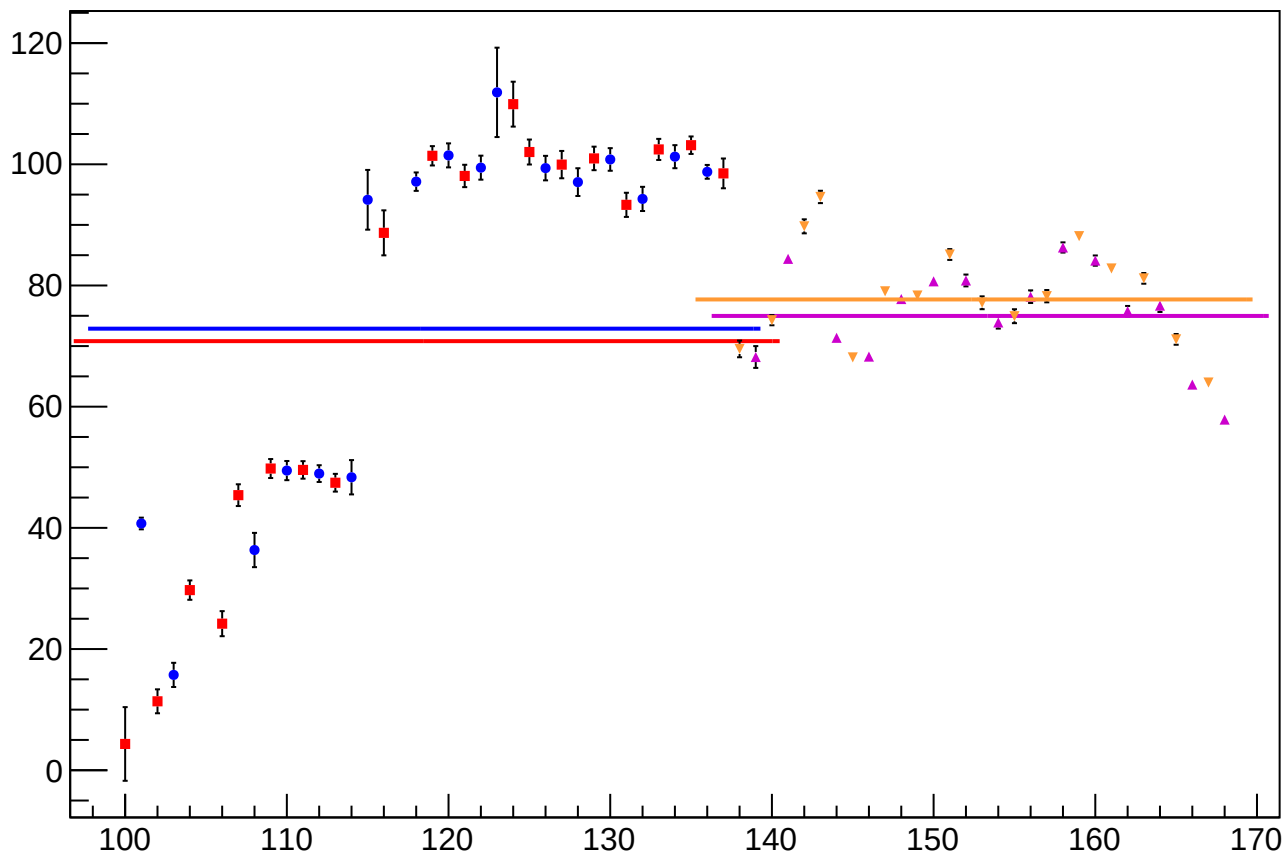
Right: -18.506 ± 0.463 χ^2/NDF : 992.4/35

In: -38.190 ± 0.240 χ^2/NDF : 3567.4/31

Out: -38.755 ± 0.243 χ^2/NDF : 3009.3/34

All: -38.469 ± 0.171 χ^2/NDF : 6579.4/66

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.875 $\pm$ 0.426 χ^2 /NDF: 4737.9/16

Left Out: 77.696 $\pm$ 0.221 χ^2 /NDF:1341.0/15

Right Out: 70.815 $\pm$ 0.433 χ^2 /NDF: 5489.3/18

Left In: 74.976 $\pm$ 0.222 χ^2 /NDF:1325.6/14

Left: 76.342 $\pm$ 0.157 χ^2 /NDF: 2741.7/30

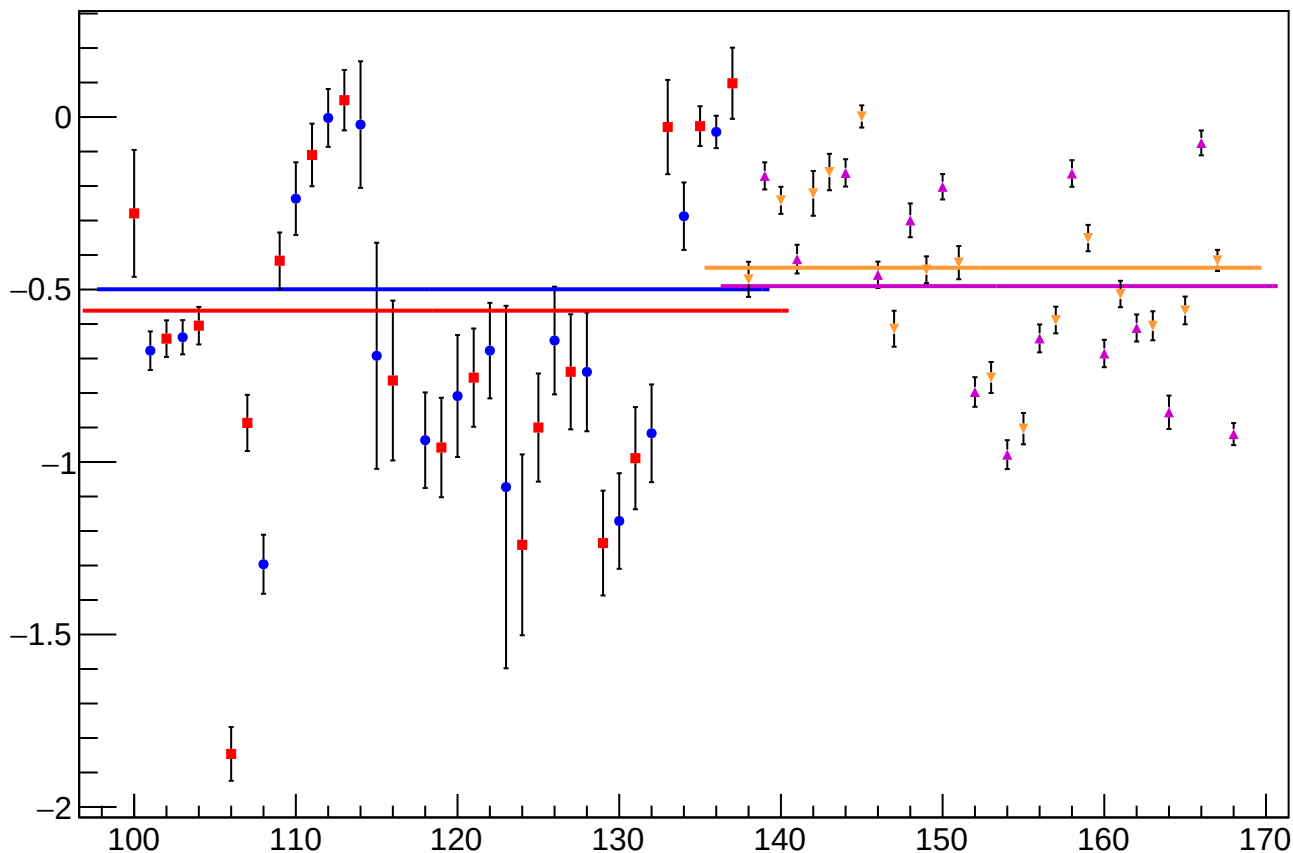
Right: 71.863 $\pm$ 0.304 χ^2 /NDF: 10238.7/35

In: 74.526 $\pm$ 0.197 χ^2 /NDF:6082.6/31

Out: 76.271 $\pm$ 0.197 χ^2 /NDF:7030.3/34

All: 75.398 $\pm$ 0.139 χ^2 /NDF: 13152.1/66

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.499 ± 0.022 χ^2/NDF : 303.5/16

Left Out: -0.437 ± 0.010 χ^2/NDF : 466.7/15

Right Out: -0.561 ± 0.021 χ^2/NDF : 562.3/18

Left In: -0.490 ± 0.010 χ^2/NDF : 892.7/14

Left: -0.464 ± 0.007 χ^2/NDF : 1372.9/30

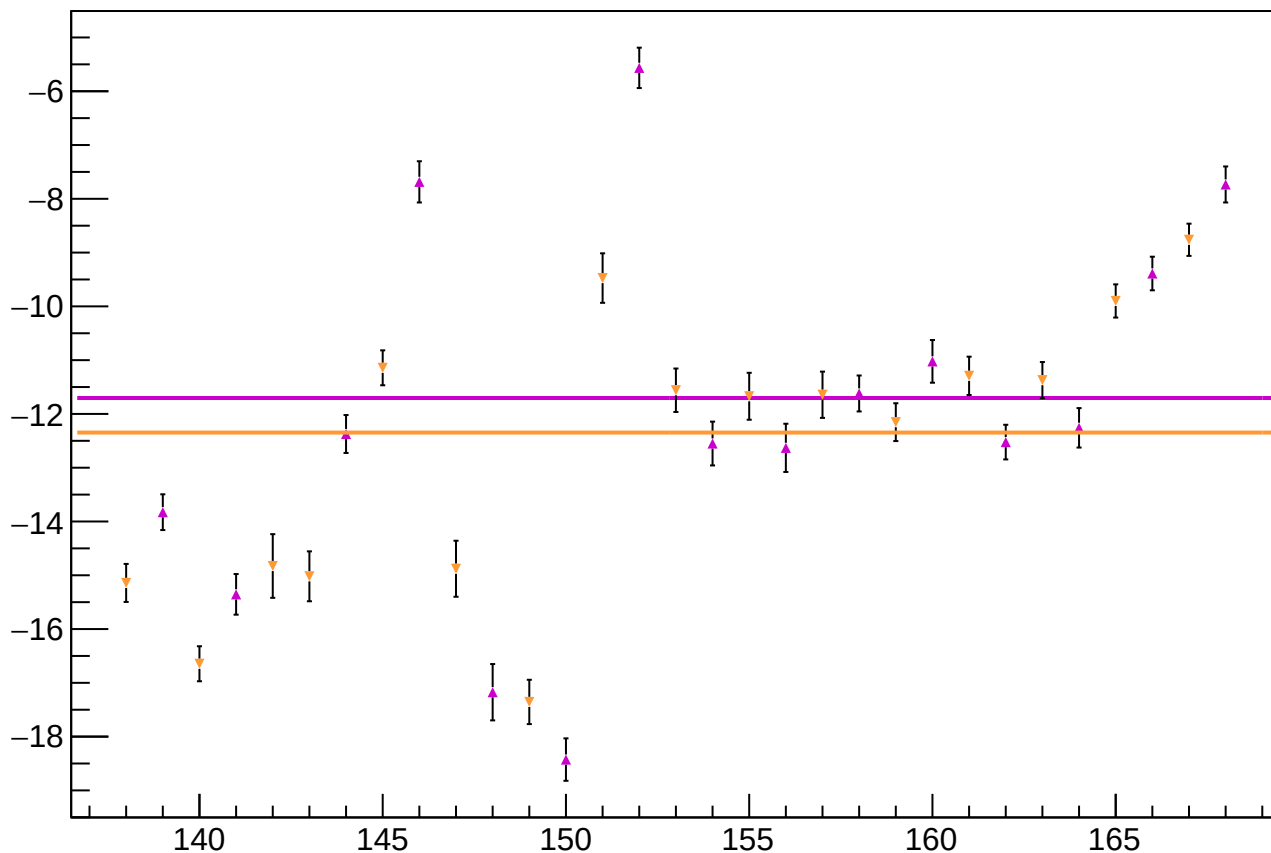
Right: -0.532 ± 0.015 χ^2/NDF : 869.9/35

In: -0.492 ± 0.009 χ^2/NDF : 1196.3/31

Out: -0.460 ± 0.009 χ^2/NDF : 1056.5/34

All: -0.476 ± 0.007 χ^2/NDF : 2258.5/66

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -12.346 $\pm$ 0.095 χ^2 /NDF:744.5/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -11.704 $\pm$ 0.095 χ^2 /NDF:1130.2/14

Left: -12.027 $\pm$ 0.067 χ^2 /NDF: 1897.7/30

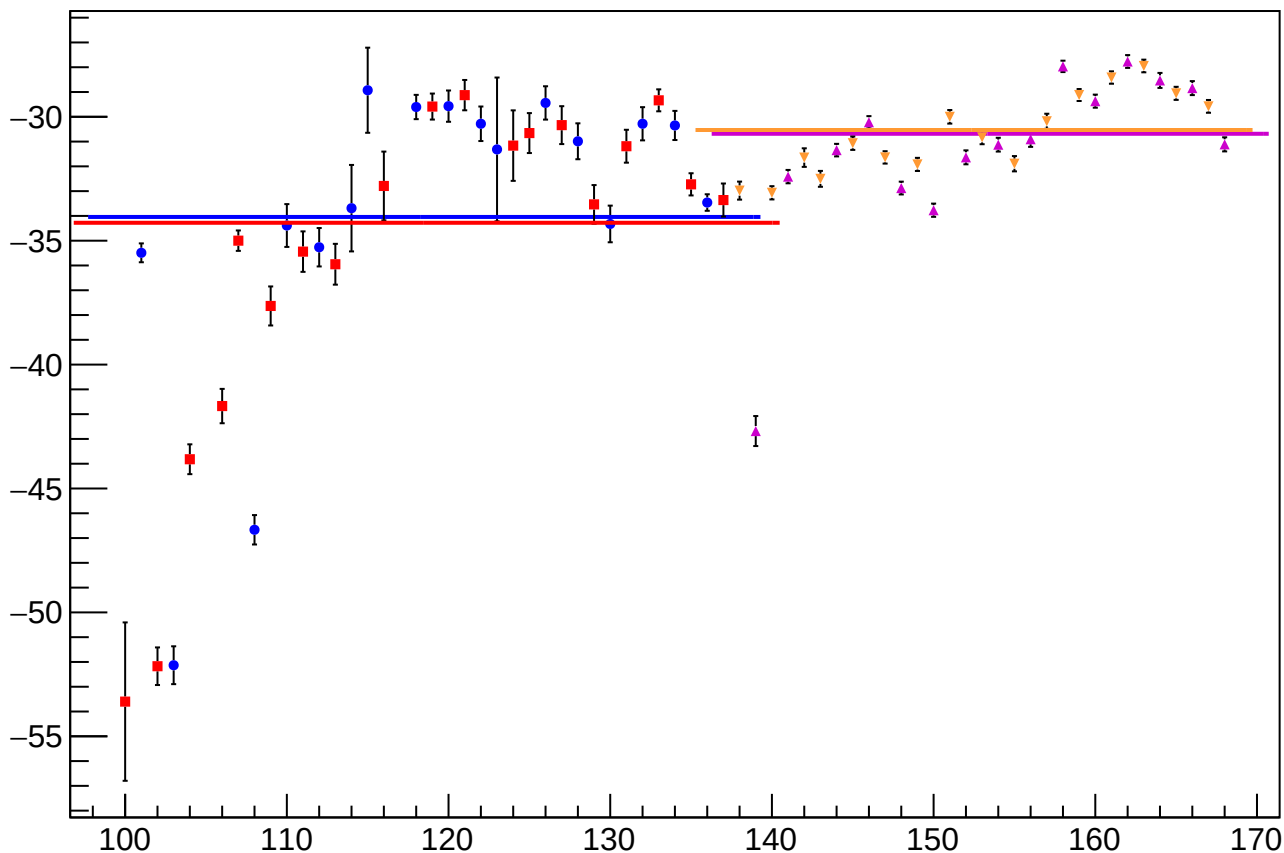
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -11.704 $\pm$ 0.095 χ^2 /NDF:1130.2/14

Out: -12.346 $\pm$ 0.095 χ^2 /NDF:744.5/15

All: -12.027 $\pm$ 0.067 χ^2 /NDF: 1897.7/30

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.042 ± 0.151 χ^2/NDF : 1340.8/16

Left Out: -30.533 ± 0.069 χ^2/NDF : 510.8/15

Right Out: -34.277 ± 0.151 χ^2/NDF : 1349.5/18

Left In: -30.685 ± 0.071 χ^2/NDF : 1050.8/14

Left: -30.607 ± 0.050 χ^2/NDF : 1563.9/30

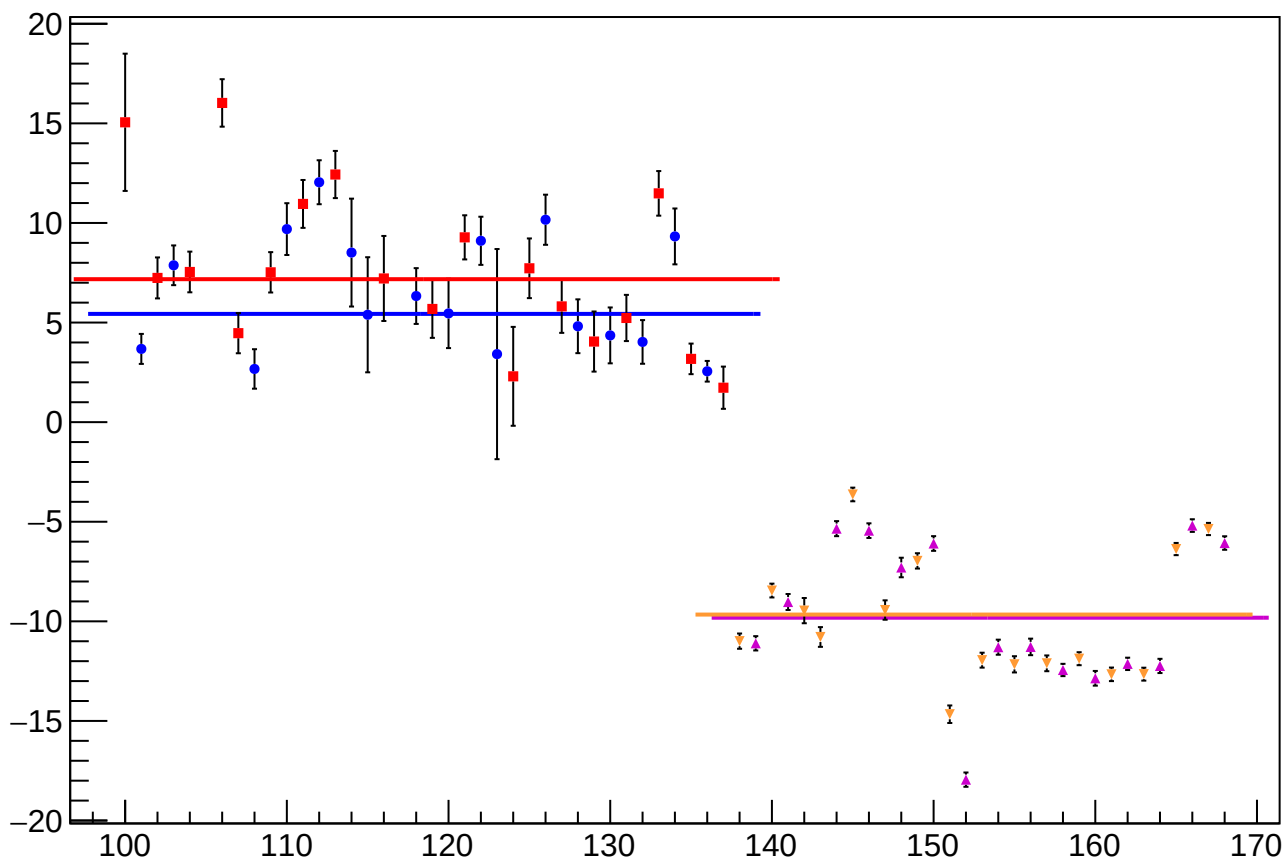
Right: -34.159 ± 0.107 χ^2/NDF : 2691.4/35

In: -31.297 ± 0.064 χ^2/NDF : 2797.1/31

Out: -31.187 ± 0.063 χ^2/NDF : 2368.7/34

All: -31.241 ± 0.045 χ^2/NDF : 5167.3/66

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.435 ± 0.270 $\chi^2/\text{NDF}: 132.0/16$

Left Out: -9.660 ± 0.093 $\chi^2/\text{NDF}: 1150.3/15$

Right Out: 7.177 ± 0.274 $\chi^2/\text{NDF}: 182.6/18$

Left In: -9.818 ± 0.093 $\chi^2/\text{NDF}: 1543.0/14$

Left: -9.739 ± 0.066 $\chi^2/\text{NDF}: 2694.7/30$

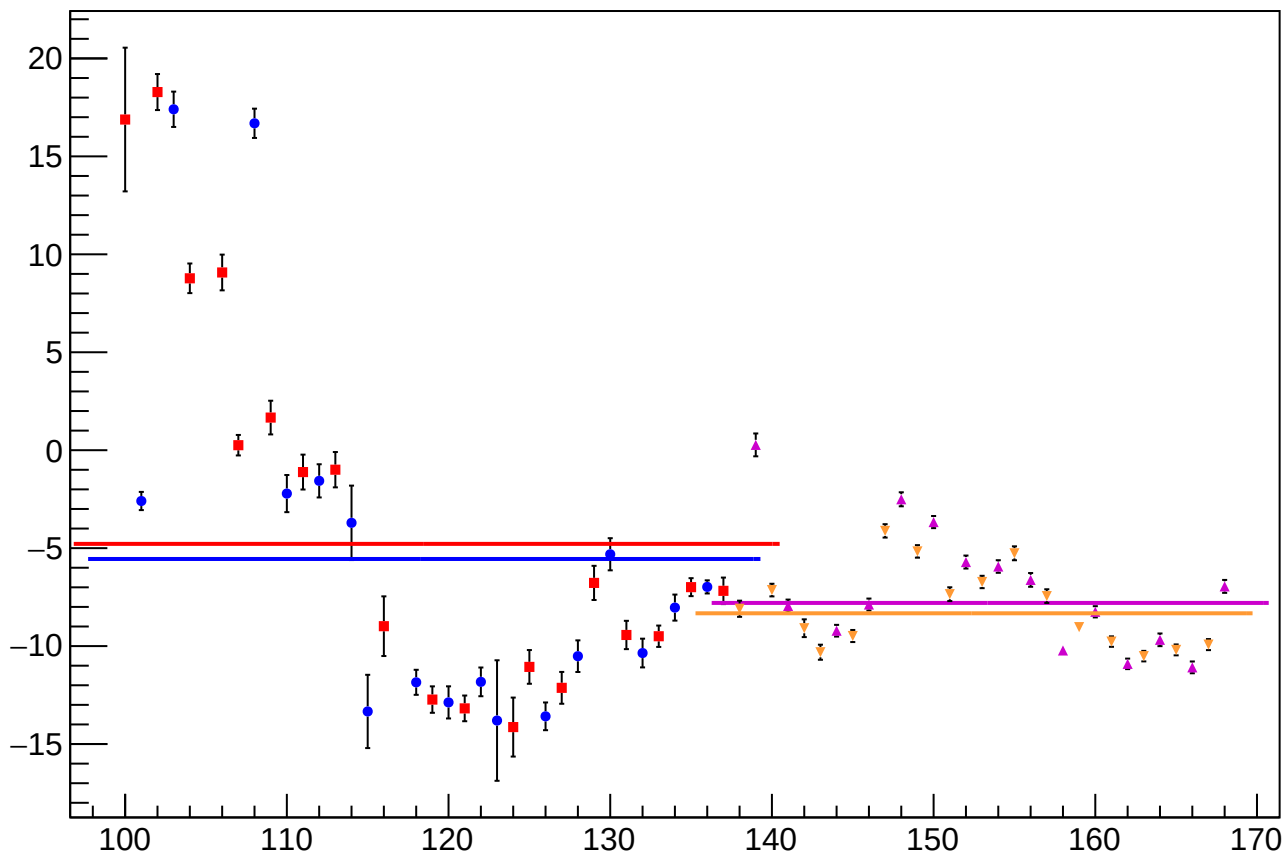
Right: 6.291 ± 0.192 $\chi^2/\text{NDF}: 335.1/35$

In: -8.188 ± 0.088 $\chi^2/\text{NDF}: 4534.5/31$

Out: -7.910 ± 0.088 $\chi^2/\text{NDF}: 4712.3/34$

All: -8.049 ± 0.062 $\chi^2/\text{NDF}: 9251.8/66$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.553 ± 0.170 χ^2/NDF : 2125.3/16

Left Out: -8.326 ± 0.079 χ^2/NDF : 600.7/15

Right Out: -4.782 ± 0.173 χ^2/NDF : 2040.4/18

Left In: -7.796 ± 0.081 χ^2/NDF : 1090.8/14

Left: -8.067 ± 0.057 χ^2/NDF : 1713.2/30

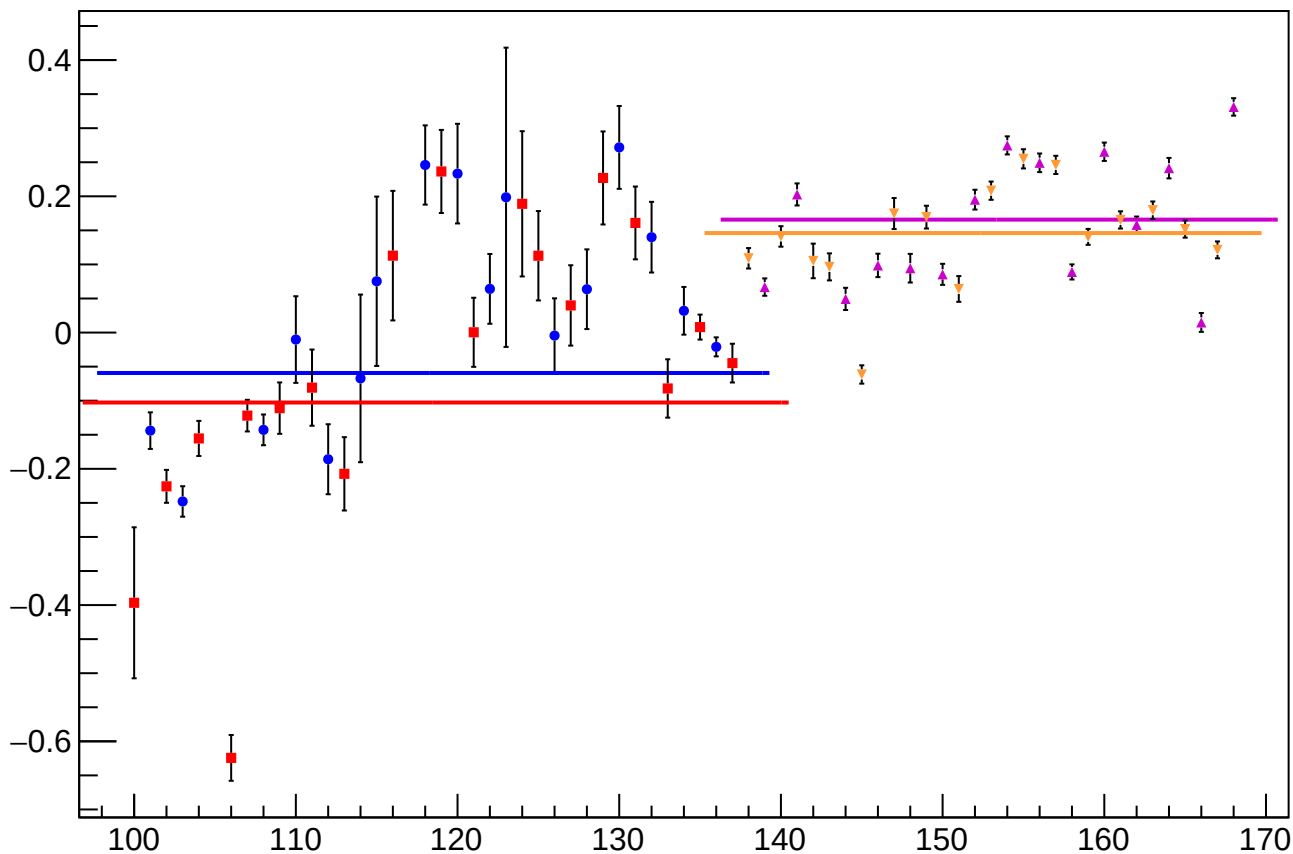
Right: -5.174 ± 0.121 χ^2/NDF : 4175.8/35

In: -7.381 ± 0.073 χ^2/NDF : 3358.1/31

Out: -7.709 ± 0.072 χ^2/NDF : 2988.4/34

All: -7.547 ± 0.051 χ^2/NDF : 6356.7/66

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.059 ± 0.008 χ^2/NDF : 217.6/16

Left Out: 0.146 ± 0.004 χ^2/NDF : 426.9/15

Right Out: -0.103 ± 0.008 χ^2/NDF : 435.5/18

Left In: 0.166 ± 0.004 χ^2/NDF : 692.8/14

Left: 0.156 ± 0.003 χ^2/NDF : 1134.4/30

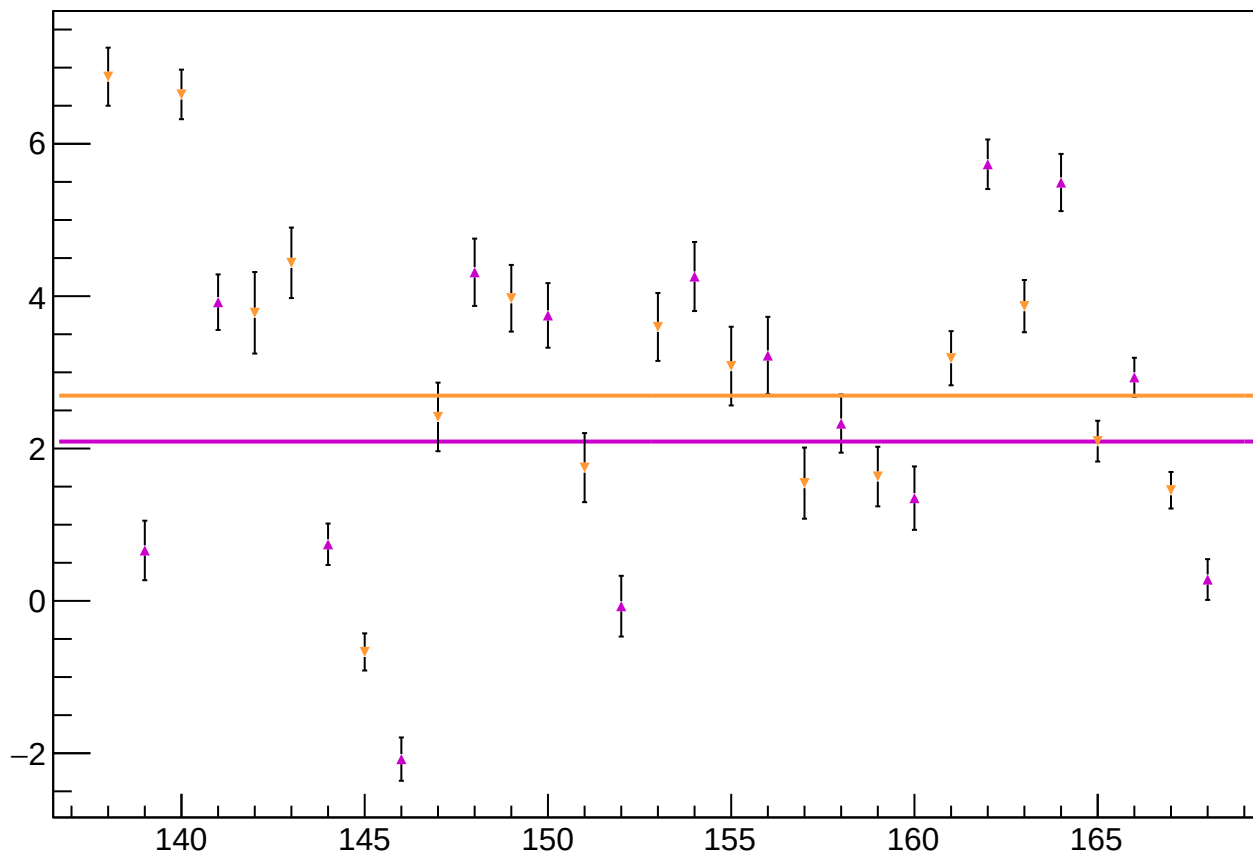
Right: -0.081 ± 0.006 χ^2/NDF : 666.4/35

In: 0.130 ± 0.003 χ^2/NDF : 1516.2/31

Out: 0.107 ± 0.003 χ^2/NDF : 1597.7/34

All: 0.119 ± 0.002 χ^2/NDF : 3138.0/66

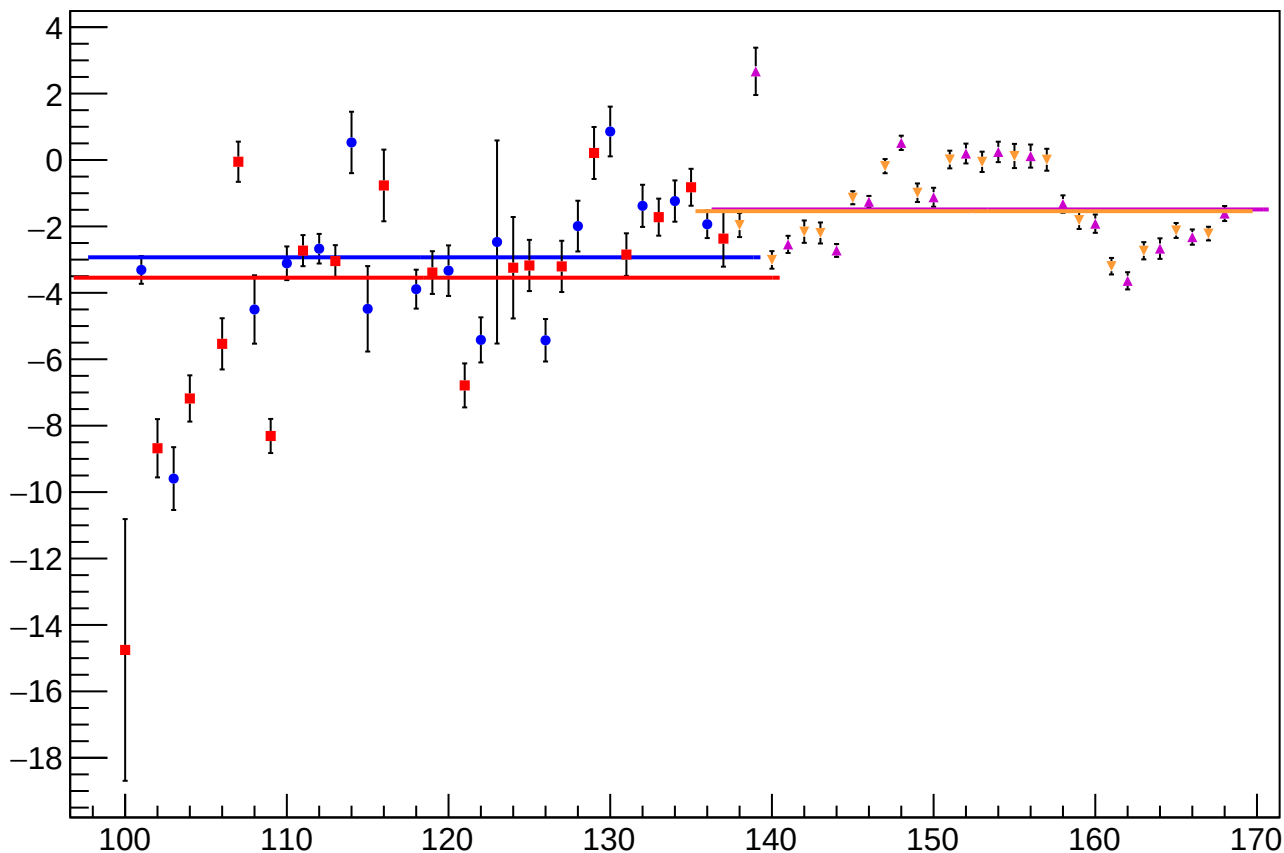
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 2.694 $\pm$ 0.090 χ^2/NDF :553.9/15
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 2.092 $\pm$ 0.090 χ^2/NDF :643.0/14

Left: 2.393 $\pm$ 0.063 χ^2/NDF : 1219.4/30
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 2.092 $\pm$ 0.090 χ^2/NDF :643.0/14
 Out: 2.694 $\pm$ 0.090 χ^2/NDF :553.9/15
 All: 2.393 $\pm$ 0.063 χ^2/NDF : 1219.4/30

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.930 ± 0.154 χ^2/NDF : 146.5/16

Left Out: -1.541 ± 0.066 χ^2/NDF : 272.7/15

Right Out: -3.544 ± 0.155 χ^2/NDF : 291.7/18

Left In: -1.489 ± 0.066 χ^2/NDF : 365.3/14

Left: -1.515 ± 0.046 χ^2/NDF : 638.3/30

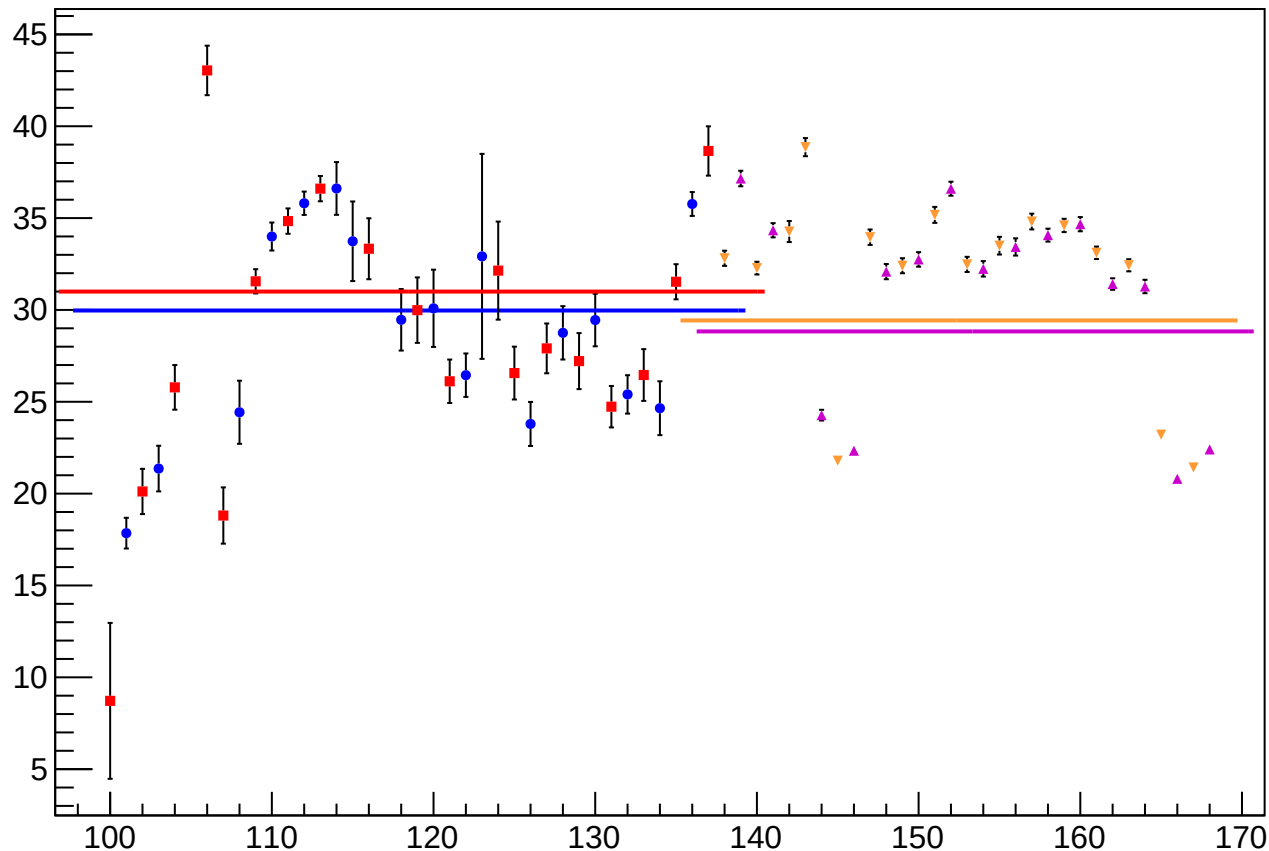
Right: -3.236 ± 0.109 χ^2/NDF : 446.1/35

In: -1.711 ± 0.060 χ^2/NDF : 586.0/31

Out: -1.848 ± 0.061 χ^2/NDF : 706.4/34

All: -1.780 ± 0.043 χ^2/NDF : 1295.0/66

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.969 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 29.428 $\pm$ 0.090 χ^2 /NDF: 4074.9/15

Right Out: 31.000 $\pm$ 0.260 χ^2 /NDF: 479.5/18

Left In: 28.830 $\pm$ 0.089 χ^2 /NDF: 4206.8/14

Left: 29.126 $\pm$ 0.063 χ^2 /NDF: 8304.3/30

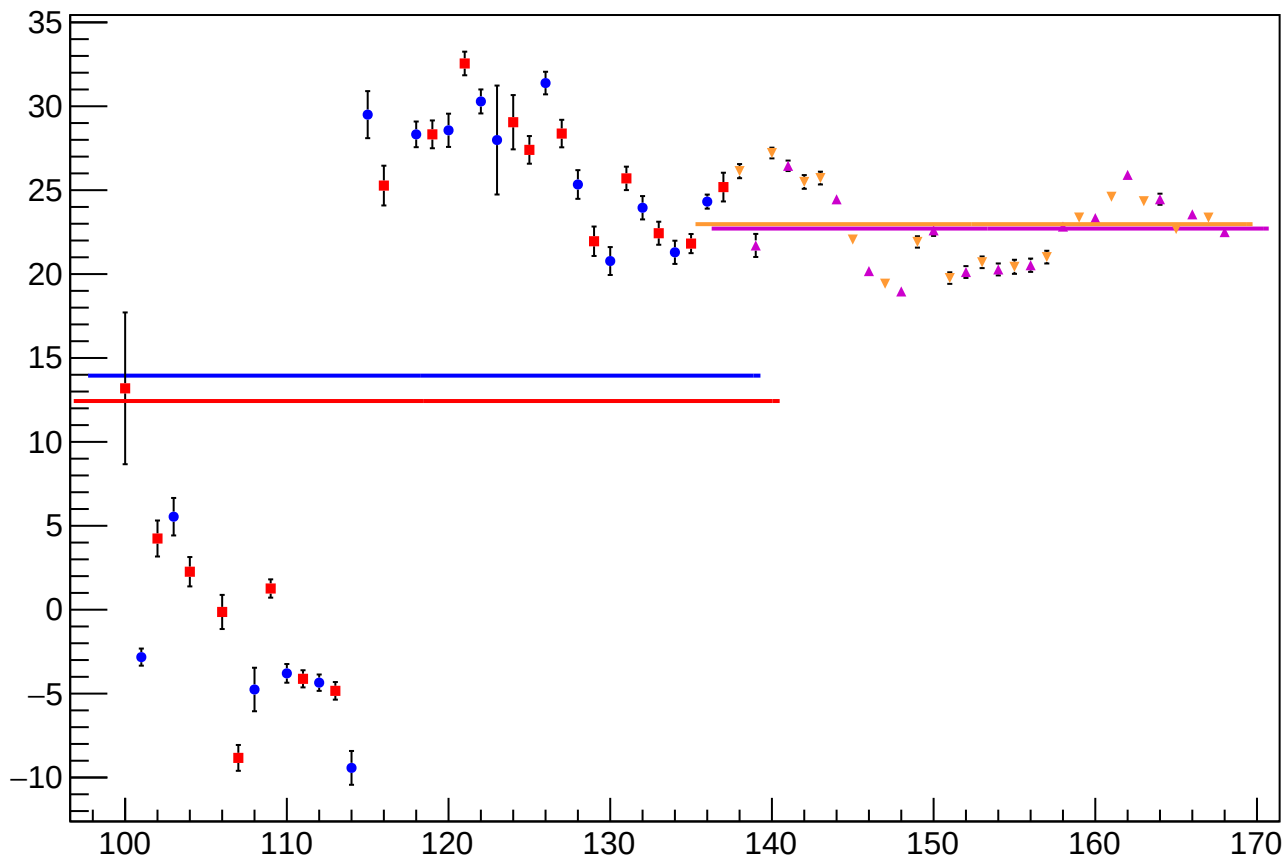
Right: 30.497 $\pm$ 0.186 χ^2 /NDF: 1041.5/35

In: 28.943 $\pm$ 0.084 χ^2 /NDF: 4777.6/31

Out: 29.595 $\pm$ 0.085 χ^2 /NDF: 4587.1/34

All: 29.267 $\pm$ 0.060 χ^2 /NDF: 9394.5/66

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.948 $\pm$ 0.172 χ^2 /NDF: 7391.9/16

Left Out: 22.975 $\pm$ 0.076 χ^2 /NDF:755.7/15

Right Out: 12.435 $\pm$ 0.174 χ^2 /NDF: 6962.9/18

Left In: 22.712 $\pm$ 0.076 χ^2 /NDF:807.7/14

Left: 22.845 $\pm$ 0.054 χ^2 /NDF: 1569.3/30

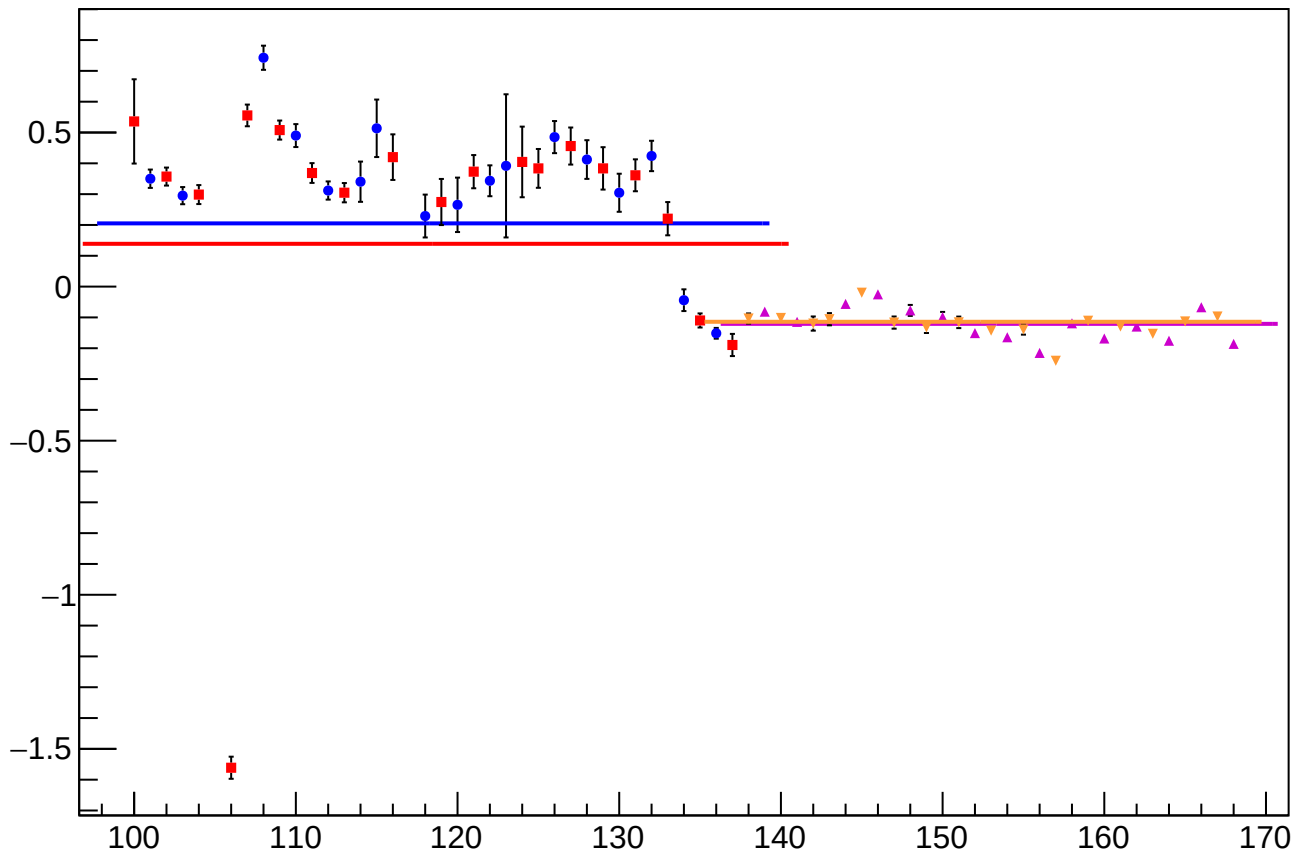
Right: 13.199 $\pm$ 0.122 χ^2 /NDF: 14393.1/35

In: 21.275 $\pm$ 0.070 χ^2 /NDF:10371.0/31

Out: 21.296 $\pm$ 0.069 χ^2 /NDF:10814.9/34

All: 21.285 $\pm$ 0.049 χ^2 /NDF: 21185.9/66

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 χ^2/NDF : 846.2/16

Left Out: -0.114 ± 0.004 χ^2/NDF : 184.1/15

Right Out: 0.139 ± 0.009 χ^2/NDF : 3016.8/18

Left In: -0.121 ± 0.004 χ^2/NDF : 235.4/14

Left: -0.118 ± 0.002 χ^2/NDF : 421.3/30

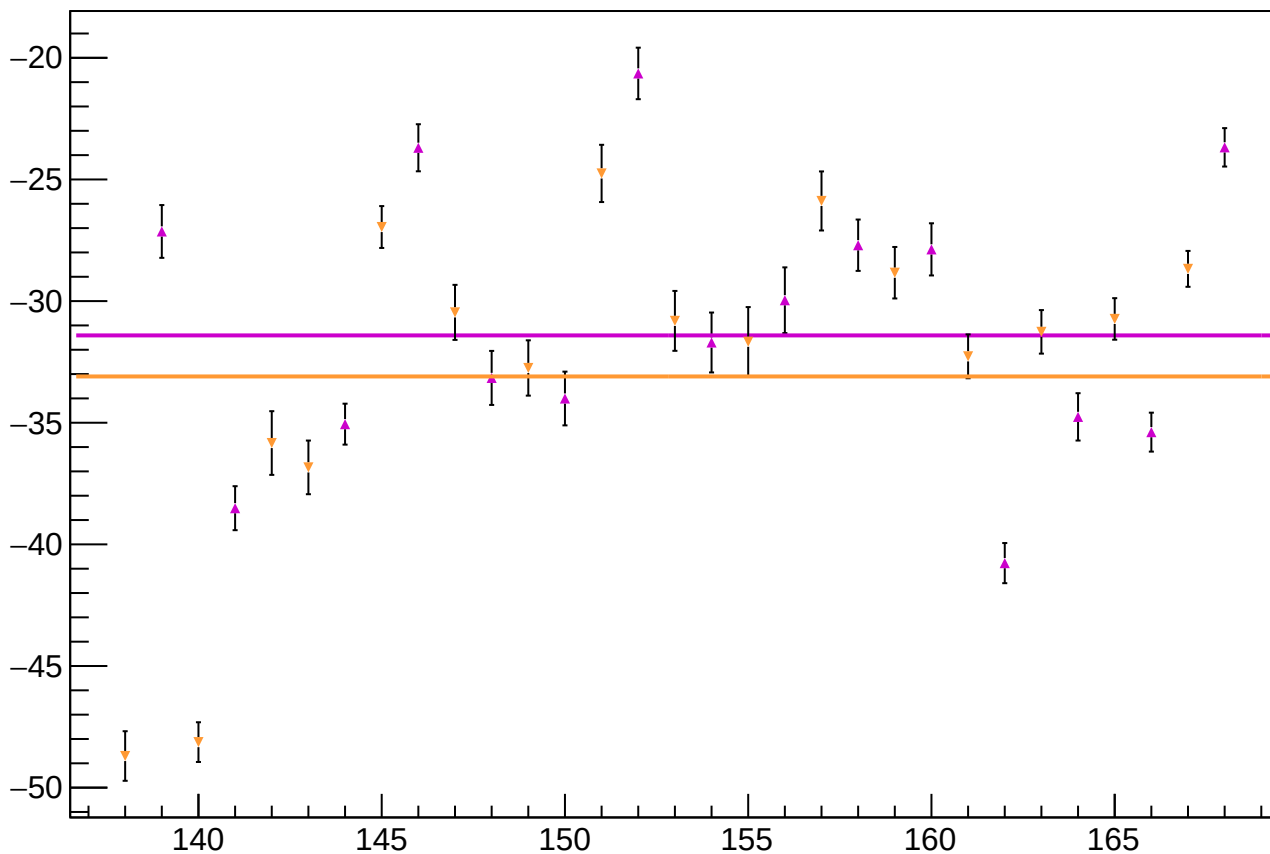
Right: 0.171 ± 0.007 χ^2/NDF : 3888.5/35

In: -0.080 ± 0.003 χ^2/NDF : 2143.6/31

Out: -0.082 ± 0.003 χ^2/NDF : 3861.0/34

All: -0.081 ± 0.002 χ^2/NDF : 6004.7/66

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -33.098 $\pm$ 0.251 χ^2/NDF :800.4/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -31.410 $\pm$ 0.252 χ^2/NDF :556.4/14

Left: -32.258 $\pm$ 0.178 χ^2/NDF : 1379.3/30

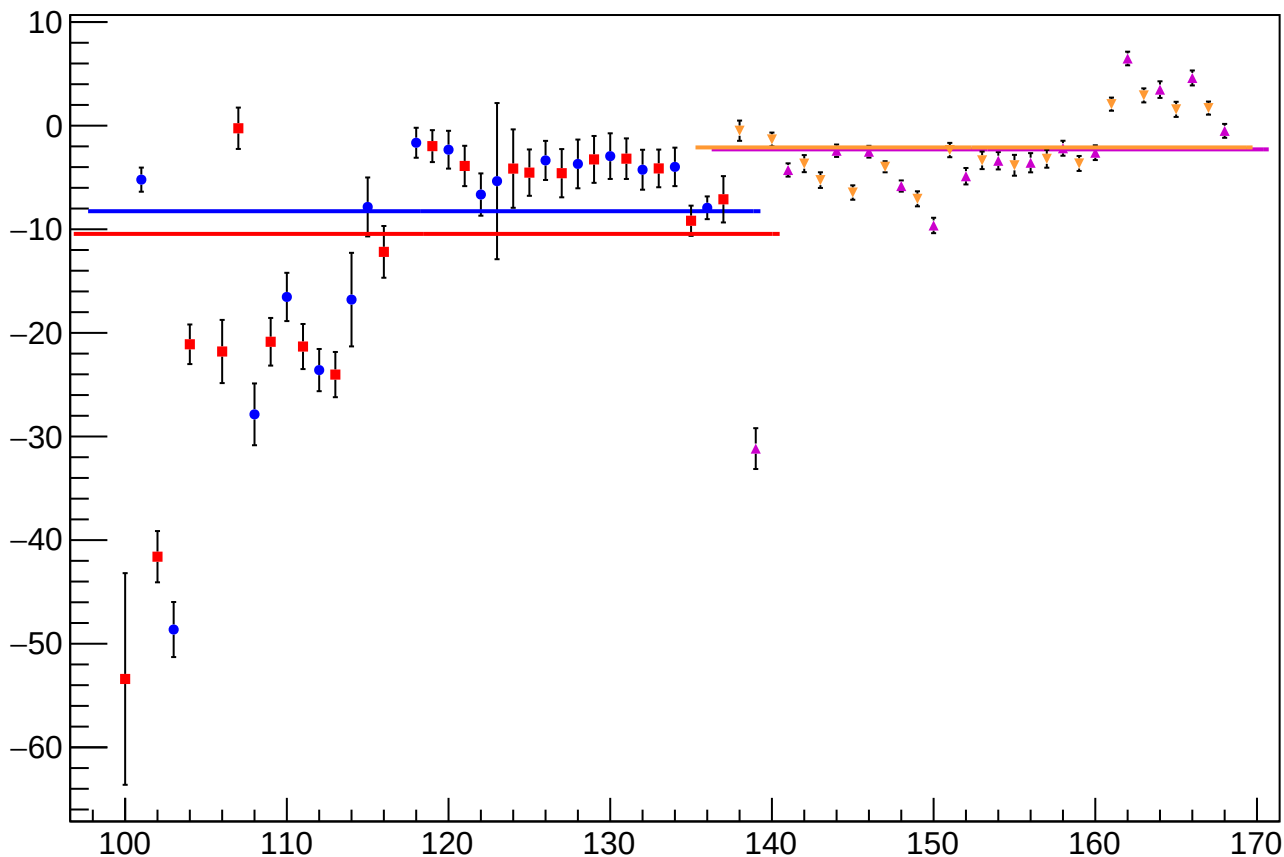
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -31.410 $\pm$ 0.252 χ^2/NDF :556.4/14

Out: -33.098 $\pm$ 0.251 χ^2/NDF :800.4/15

All: -32.258 $\pm$ 0.178 χ^2/NDF : 1379.3/30

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.257 ± 0.462 χ^2/NDF : 412.1/16

Left Out: -2.101 ± 0.180 χ^2/NDF : 294.1/15

Right Out: -10.446 ± 0.491 χ^2/NDF : 428.4/18

Left In: -2.289 ± 0.183 χ^2/NDF : 706.8/14

Left: -2.194 ± 0.128 χ^2/NDF : 1001.4/30

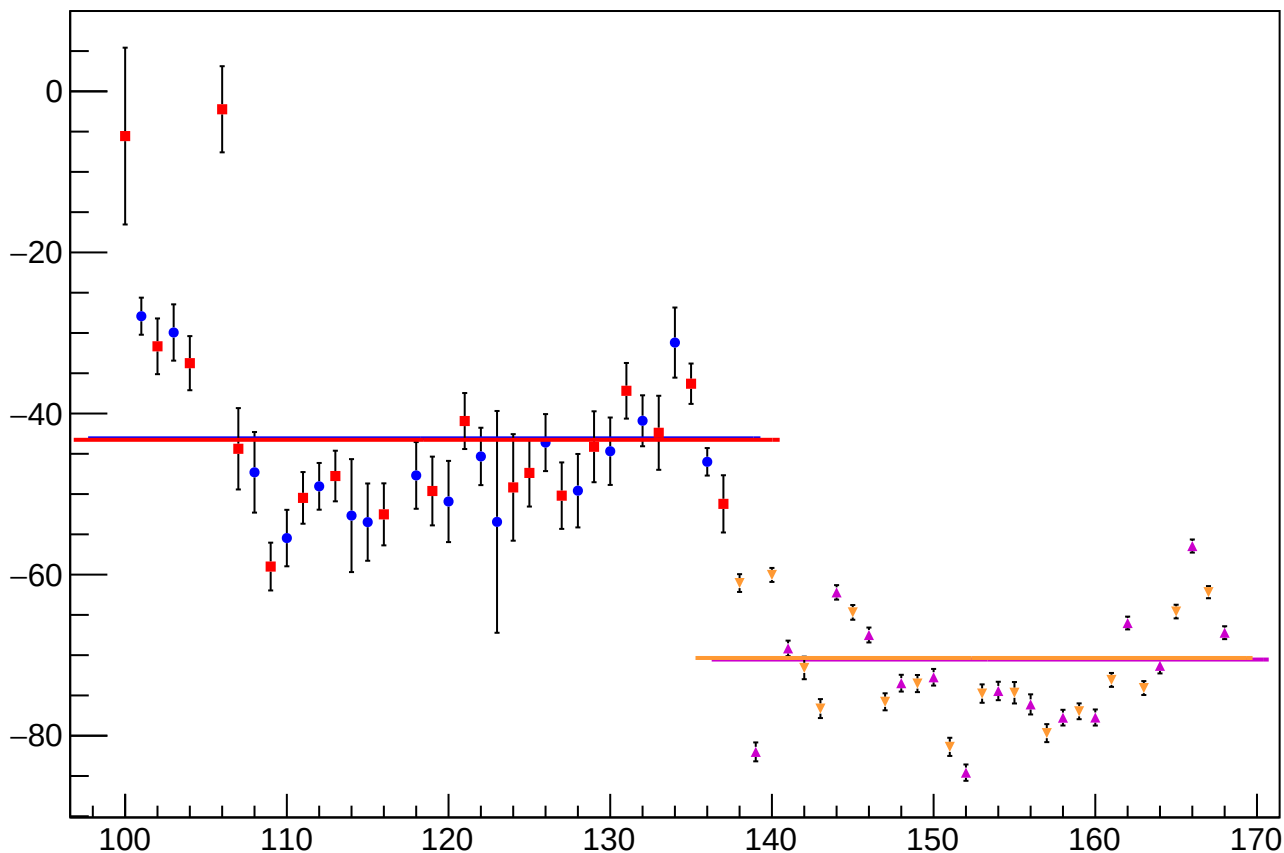
Right: -9.285 ± 0.337 χ^2/NDF : 851.1/35

In: -3.097 ± 0.170 χ^2/NDF : 1263.1/31

Out: -3.091 ± 0.169 χ^2/NDF : 976.8/34

All: -3.094 ± 0.120 χ^2/NDF : 2240.0/66

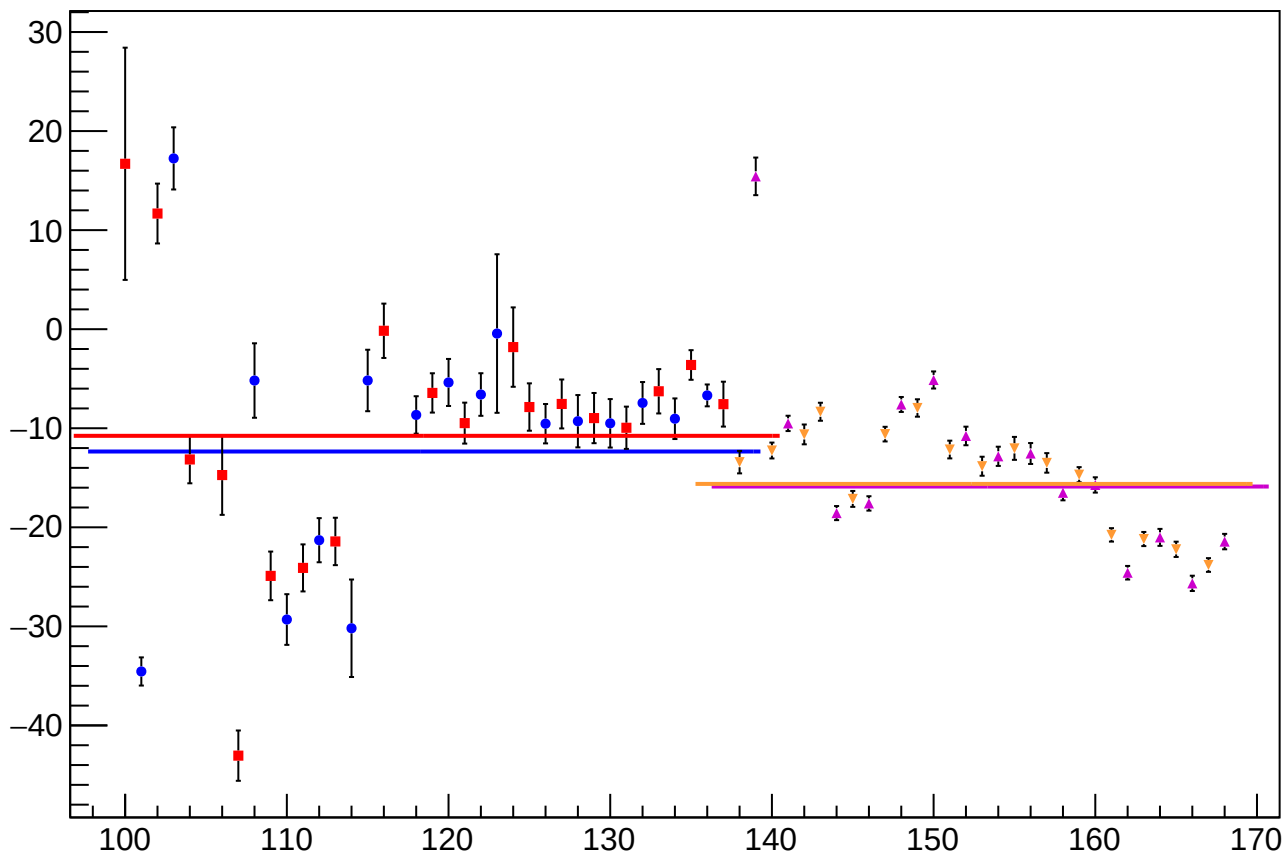
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.082 ± 0.834 $\chi^2/\text{NDF}: 99.2/16$
 Left Out: -70.349 ± 0.249 $\chi^2/\text{NDF}: 743.1/15$
 Right Out: -43.262 ± 0.866 $\chi^2/\text{NDF}: 154.2/18$
 Left In: -70.545 ± 0.248 $\chi^2/\text{NDF}: 887.1/14$

Left: -70.447 ± 0.176 $\chi^2/\text{NDF}: 1630.5/30$
 Right: -43.169 ± 0.601 $\chi^2/\text{NDF}: 253.4/35$
 In: -68.316 ± 0.238 $\chi^2/\text{NDF}: 1982.1/31$
 Out: -68.283 ± 0.239 $\chi^2/\text{NDF}: 1800.0/34$
 All: -68.300 ± 0.169 $\chi^2/\text{NDF}: 3782.1/66$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.348 ± 0.520 χ^2/NDF : 475.9/16

Left Out: -15.620 ± 0.209 χ^2/NDF : 602.0/15

Right Out: -10.765 ± 0.554 χ^2/NDF : 366.6/18

Left In: -15.884 ± 0.212 χ^2/NDF : 1093.1/14

Left: -15.750 ± 0.149 χ^2/NDF : 1695.8/30

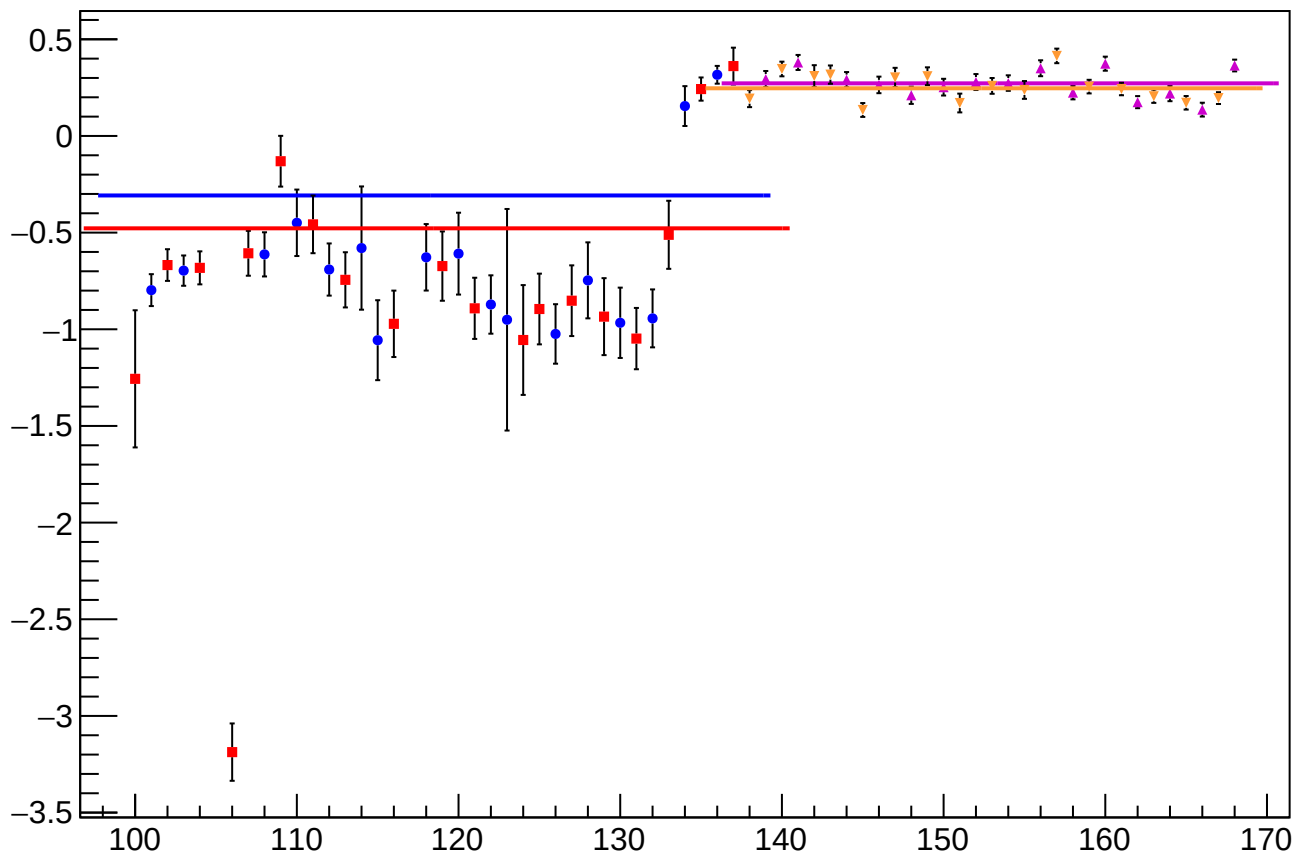
Right: -11.606 ± 0.379 χ^2/NDF : 846.9/35

In: -15.379 ± 0.196 χ^2/NDF : 1608.7/31

Out: -15.016 ± 0.195 χ^2/NDF : 1036.0/34

All: -15.196 ± 0.138 χ^2/NDF : 2646.4/66

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.308 $\pm$ 0.028 χ^2/NDF : 372.4/16

Left Out: 0.247 $\pm$ 0.010 χ^2/NDF :56.0/15

Right Out: -0.478 $\pm$ 0.029 χ^2/NDF : 631.2/18

Left In: 0.272 $\pm$ 0.010 χ^2/NDF :58.8/14

Left: 0.259 $\pm$ 0.007 χ^2/NDF : 118.2/30

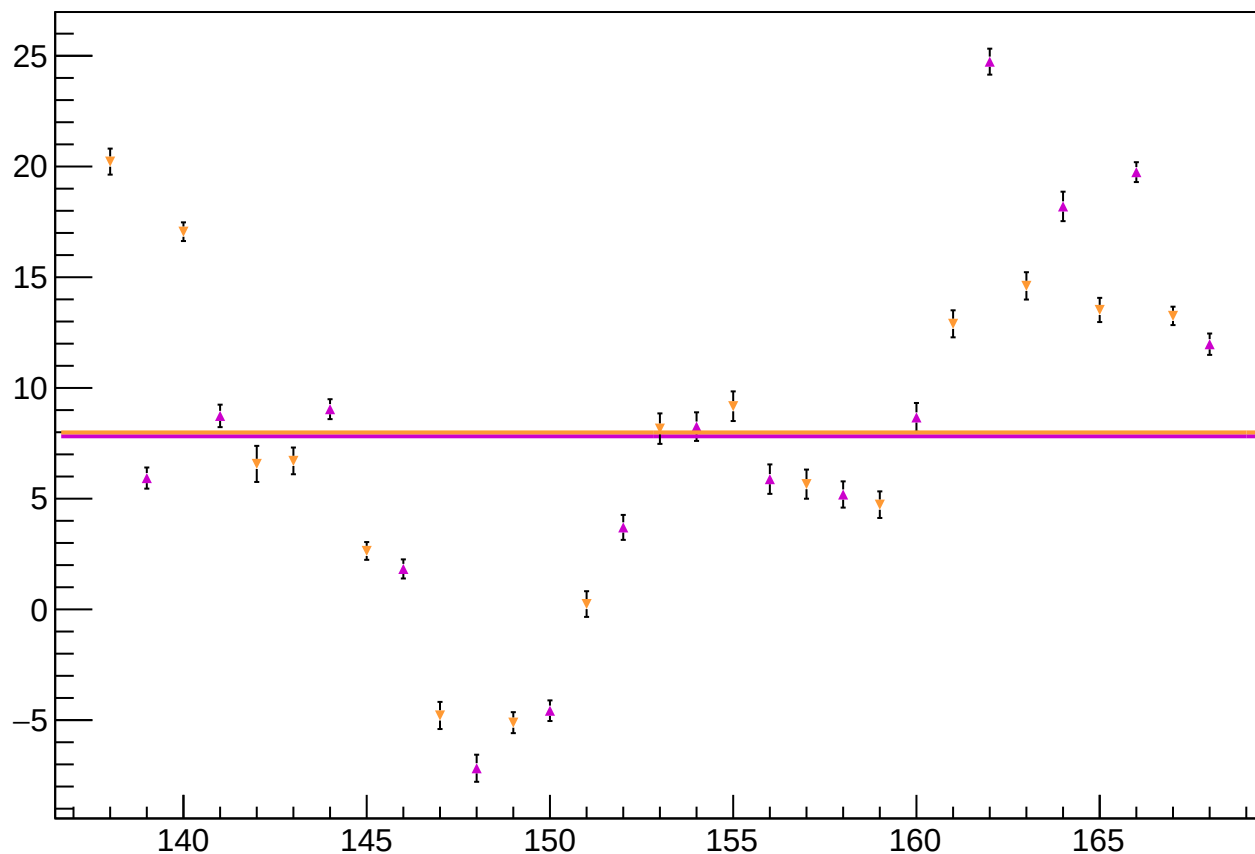
Right: -0.390 $\pm$ 0.020 χ^2/NDF : 1022.0/35

In: 0.206 $\pm$ 0.009 χ^2/NDF :825.3/31

Out: 0.170 $\pm$ 0.009 χ^2/NDF :1263.4/34

All: 0.188 $\pm$ 0.007 χ^2/NDF : 2096.6/66

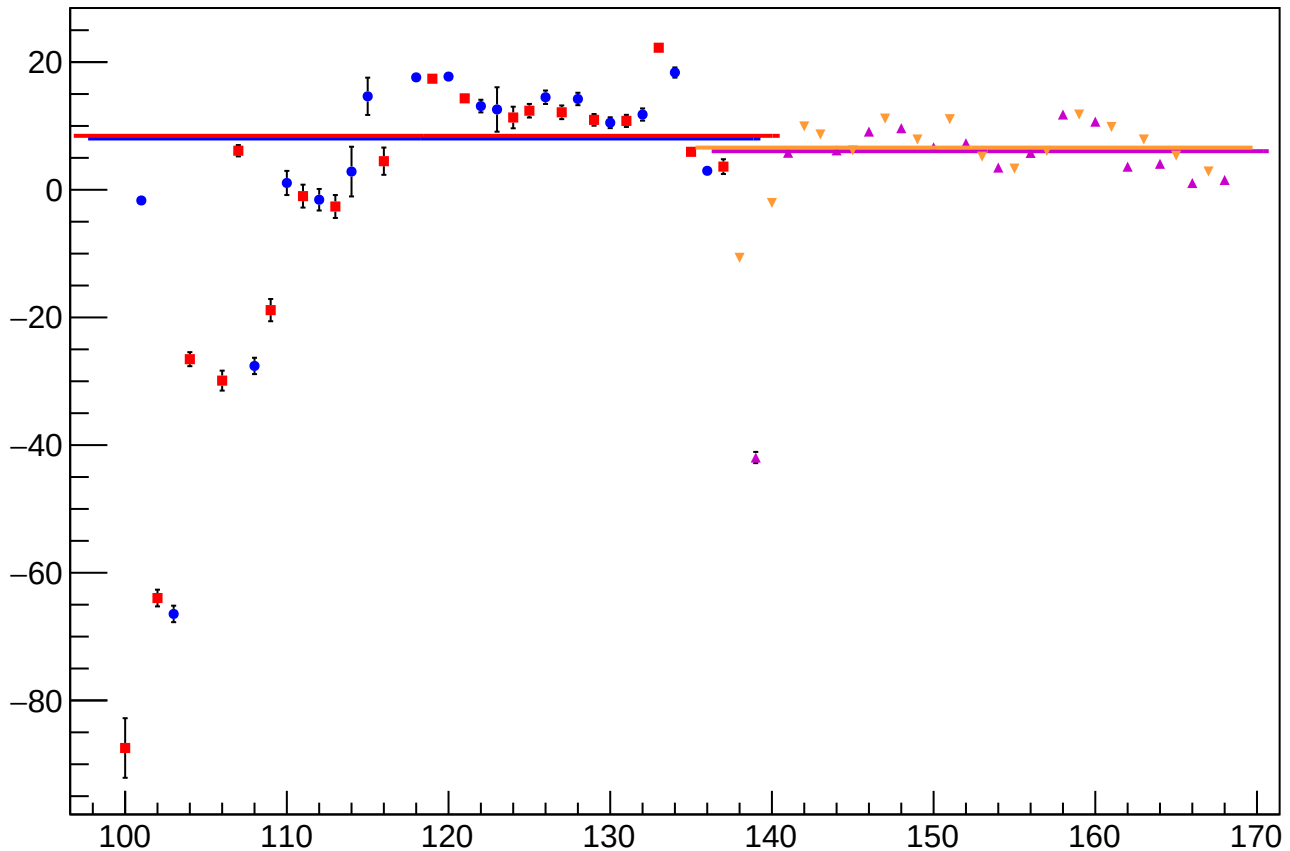
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.992+/-0.137 χ^2/NDF :2947.0/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.817+/-0.137 χ^2/NDF :3466.7/14

Left: 7.904+/-0.097 χ^2/NDF : 6414.5/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.817+/-0.137 χ^2/NDF :3466.7/14
 Out: 7.992+/-0.137 χ^2/NDF :2947.0/15
 All: 7.904+/-0.097 χ^2/NDF : 6414.5/30

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.036 ± 0.215 χ^2/NDF : 5369.4/16

Left Out: 6.608 ± 0.099 χ^2/NDF : 2341.7/15

Right Out: 8.454 ± 0.213 χ^2/NDF : 6704.4/18

Left In: 6.045 ± 0.100 χ^2/NDF : 3913.5/14

Left: 6.331 ± 0.070 χ^2/NDF : 6271.2/30

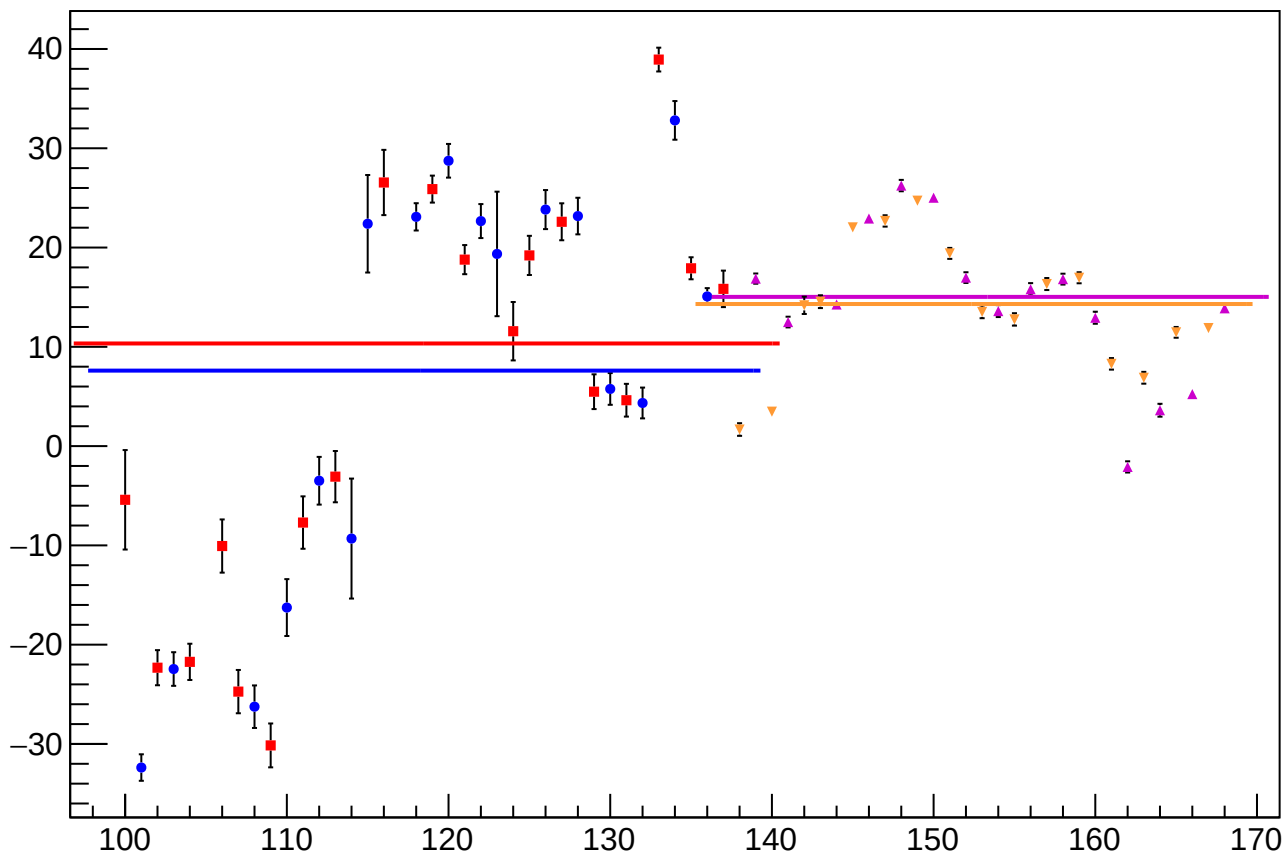
Right: 8.247 ± 0.151 χ^2/NDF : 12075.7/35

In: 6.401 ± 0.091 χ^2/NDF : 9353.2/31

Out: 6.935 ± 0.090 χ^2/NDF : 9107.8/34

All: 6.672 ± 0.064 χ^2/NDF : 18478.4/66

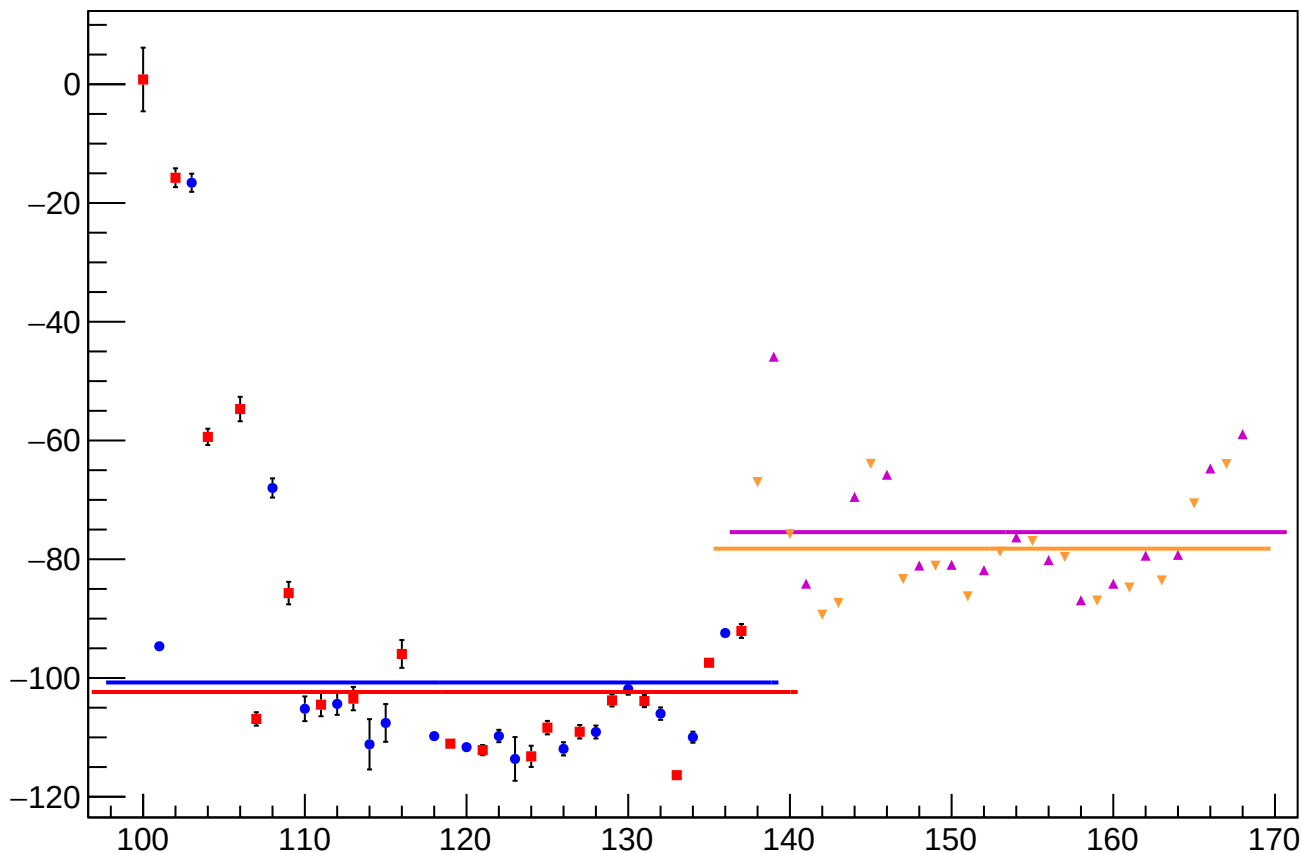
reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.604 ± 0.416 $\chi^2/\text{NDF}: 2325.0/16$
 Left Out: 14.312 ± 0.136 $\chi^2/\text{NDF}: 2521.0/15$
 Right Out: 10.337 ± 0.416 $\chi^2/\text{NDF}: 2281.8/18$
 Left In: 15.031 ± 0.135 $\chi^2/\text{NDF}: 3044.2/14$

Left: 14.676 ± 0.096 $\chi^2/\text{NDF}: 5579.3/30$
 Right: 8.969 ± 0.294 $\chi^2/\text{NDF}: 4628.4/35$
 In: 14.325 ± 0.128 $\chi^2/\text{NDF}: 5657.9/31$
 Out: 13.927 ± 0.130 $\chi^2/\text{NDF}: 4885.1/34$
 All: 14.128 ± 0.091 $\chi^2/\text{NDF}: 10547.8/66$

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.753 ± 0.248 $\chi^2/\text{NDF}: 4522.6/16$

Left Out: -78.214 ± 0.115 $\chi^2/\text{NDF}: 5254.0/15$

Right Out: -102.354 ± 0.246 $\chi^2/\text{NDF}: 6078.9/18$

Left In: -75.430 ± 0.117 $\chi^2/\text{NDF}: 6280.2/14$

Left: -76.840 ± 0.082 $\chi^2/\text{NDF}: 11822.3/30$

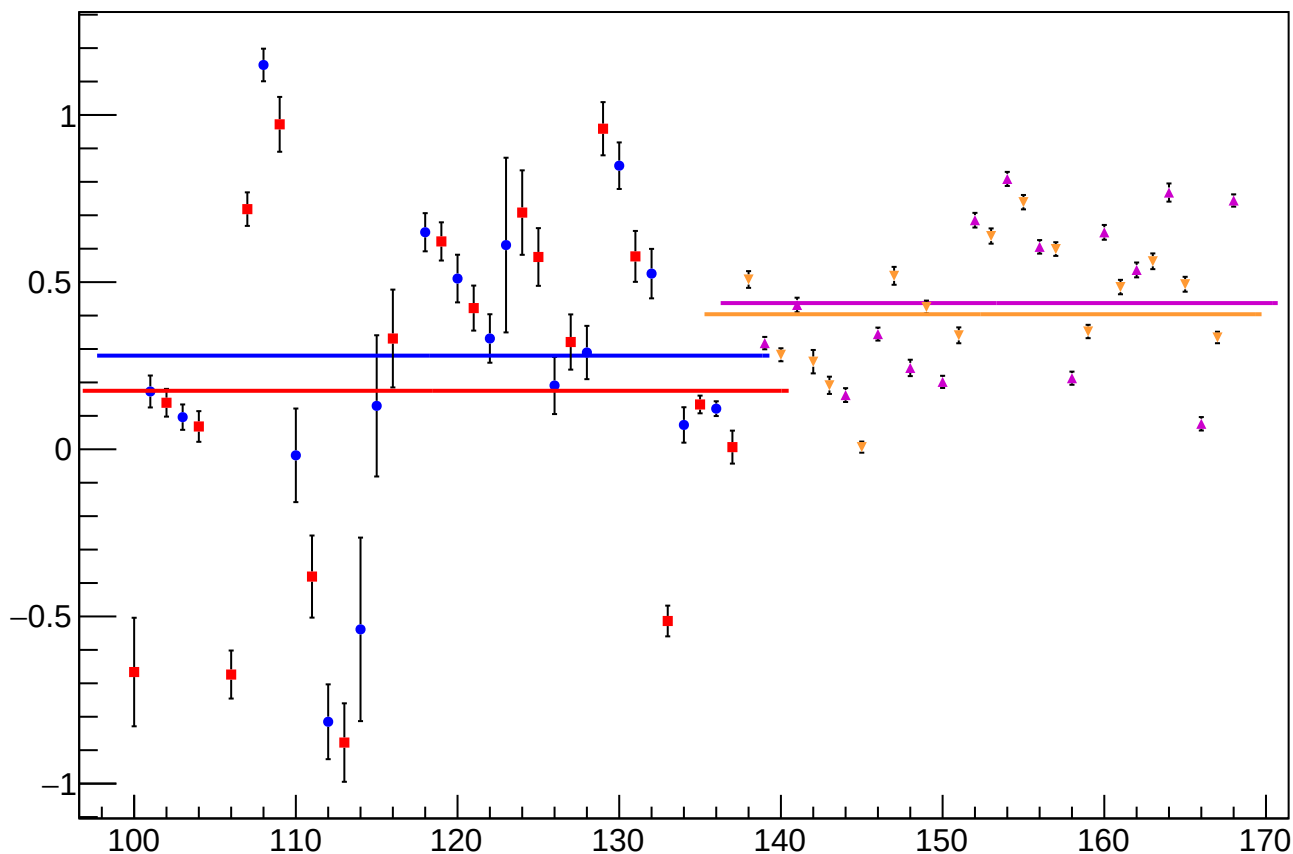
Right: -101.559 ± 0.175 $\chi^2/\text{NDF}: 10622.5/35$

In: -80.020 ± 0.106 $\chi^2/\text{NDF}: 19338.3/31$

Out: -82.550 ± 0.104 $\chi^2/\text{NDF}: 19218.3/34$

All: -81.300 ± 0.074 $\chi^2/\text{NDF}: 38847.1/66$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.280 ± 0.013 χ^2/NDF : 656.0/16

Left Out: 0.404 ± 0.005 χ^2/NDF : 1272.5/15

Right Out: 0.175 ± 0.013 χ^2/NDF : 966.7/18

Left In: 0.437 ± 0.005 χ^2/NDF : 1970.0/14

Left: 0.421 ± 0.004 χ^2/NDF : 3261.8/30

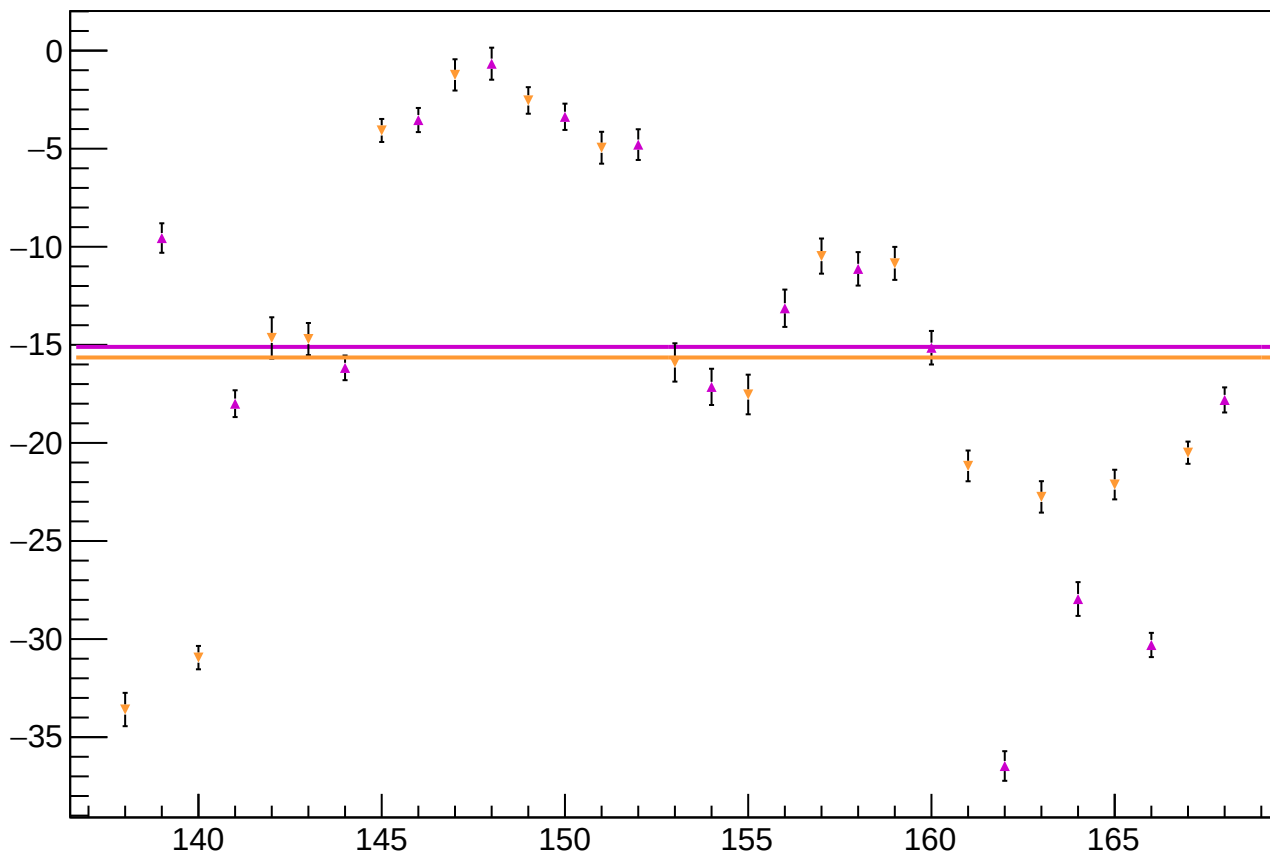
Right: 0.227 ± 0.010 χ^2/NDF : 1653.2/35

In: 0.416 ± 0.005 χ^2/NDF : 2743.7/31

Out: 0.372 ± 0.005 χ^2/NDF : 2489.1/34

All: 0.394 ± 0.004 χ^2/NDF : 5271.1/66

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



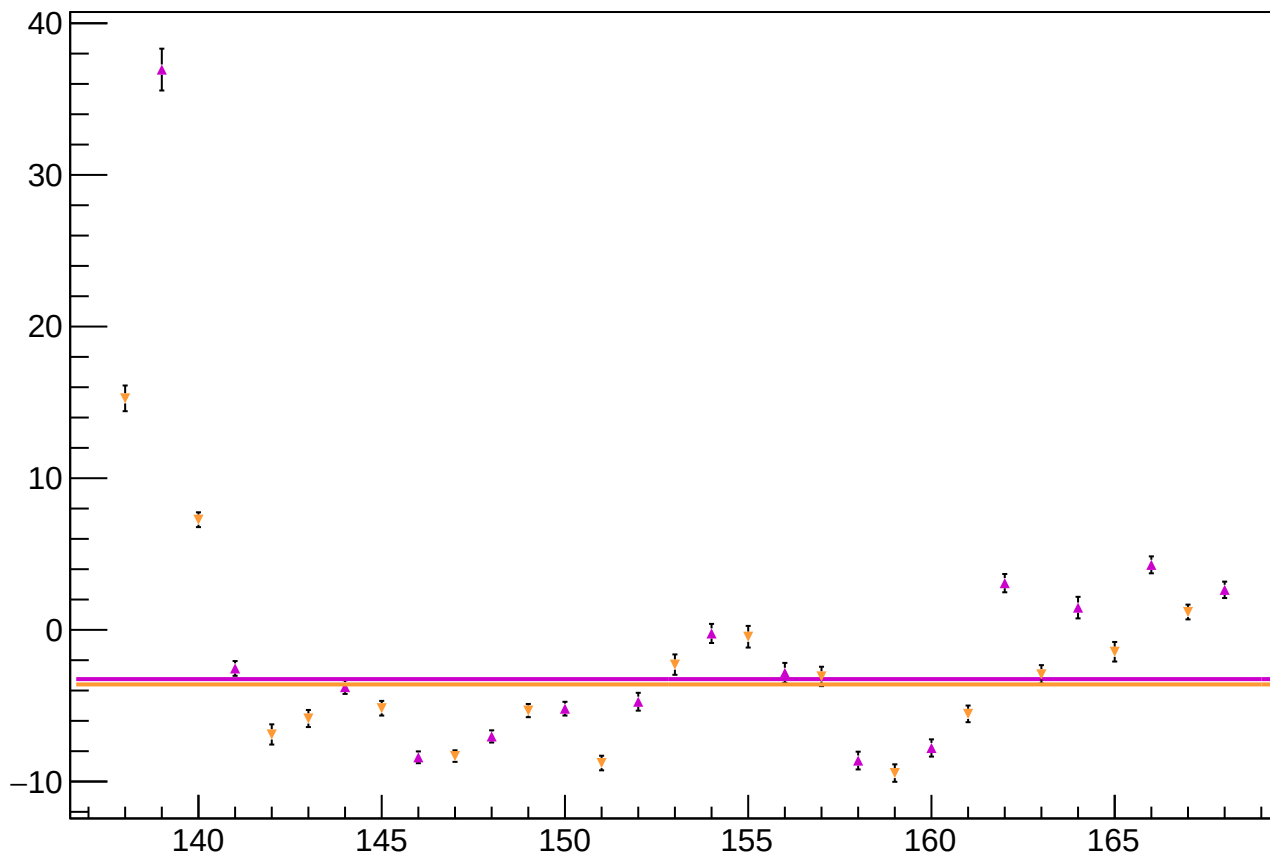
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -15.644 $\pm$ 0.191 χ^2 /NDF:2716.1/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -15.105 $\pm$ 0.190 χ^2 /NDF:2898.6/14

Left: -15.374 $\pm$ 0.135 χ^2 /NDF: 5618.7/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -15.105 $\pm$ 0.190 χ^2 /NDF:2898.6/14
 Out: -15.644 $\pm$ 0.191 χ^2 /NDF:2716.1/15

All: -15.374 $\pm$ 0.135 χ^2 /NDF: 5618.7/30

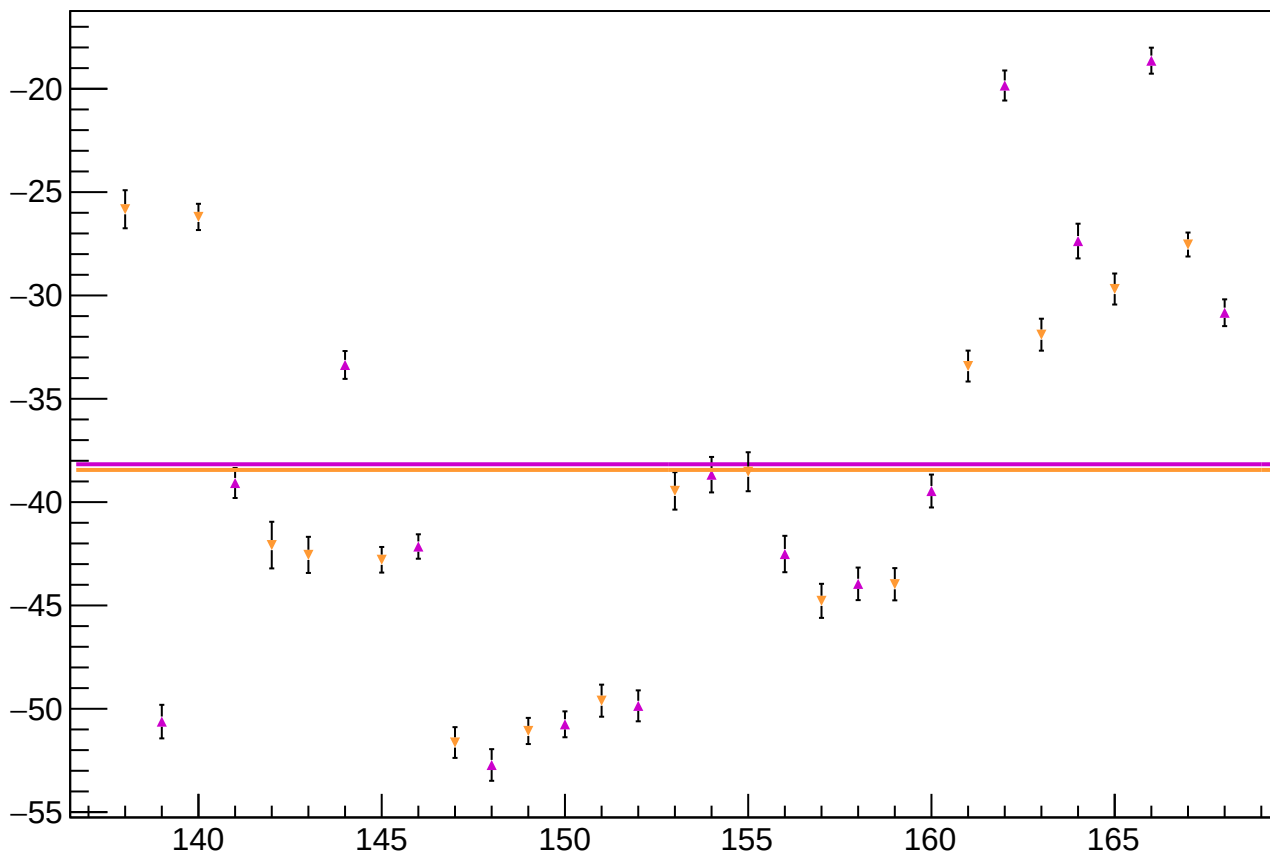
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.597+/-0.136 χ^2/NDF :1573.1/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.246+/-0.138 χ^2/NDF :1766.7/14

Left: -3.424+/-0.097 χ^2/NDF : 3343.1/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.246+/-0.138 χ^2/NDF :1766.7/14
 Out: -3.597+/-0.136 χ^2/NDF :1573.1/15
 All: -3.424+/-0.097 χ^2/NDF : 3343.1/30

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -38.443+/-0.189 χ^2/NDF :2277.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -38.168+/-0.187 χ^2/NDF :3314.0/14

Left: -38.304+/-0.133 χ^2/NDF : 5592.5/30

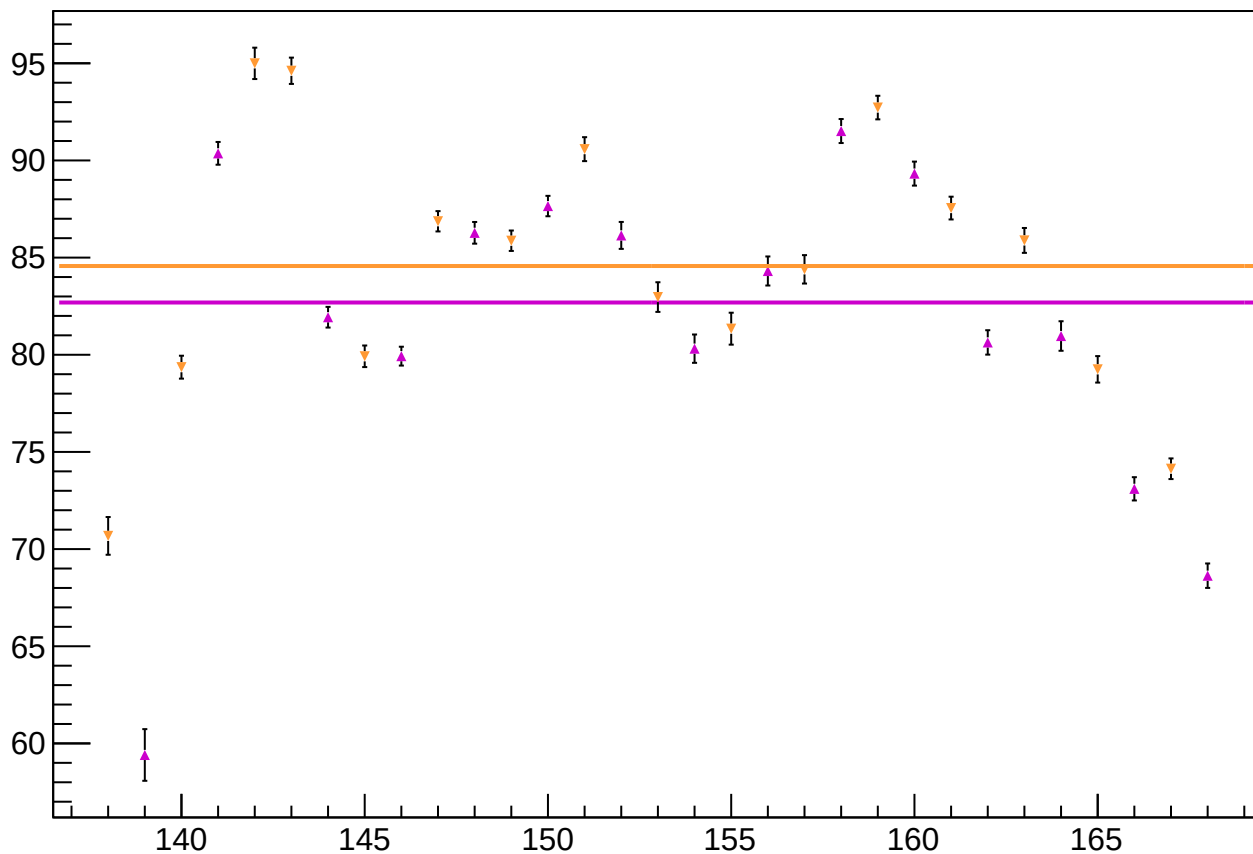
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.168+/-0.187 χ^2/NDF :3314.0/14

Out: -38.443+/-0.189 χ^2/NDF :2277.4/15

All: -38.304+/-0.133 χ^2/NDF : 5592.5/30

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 84.567+/-0.159 χ^2/NDF :1536.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 82.689+/-0.161 χ^2/NDF :1774.8/14

Left: 83.640+/-0.113 χ^2/NDF : 3380.4/30

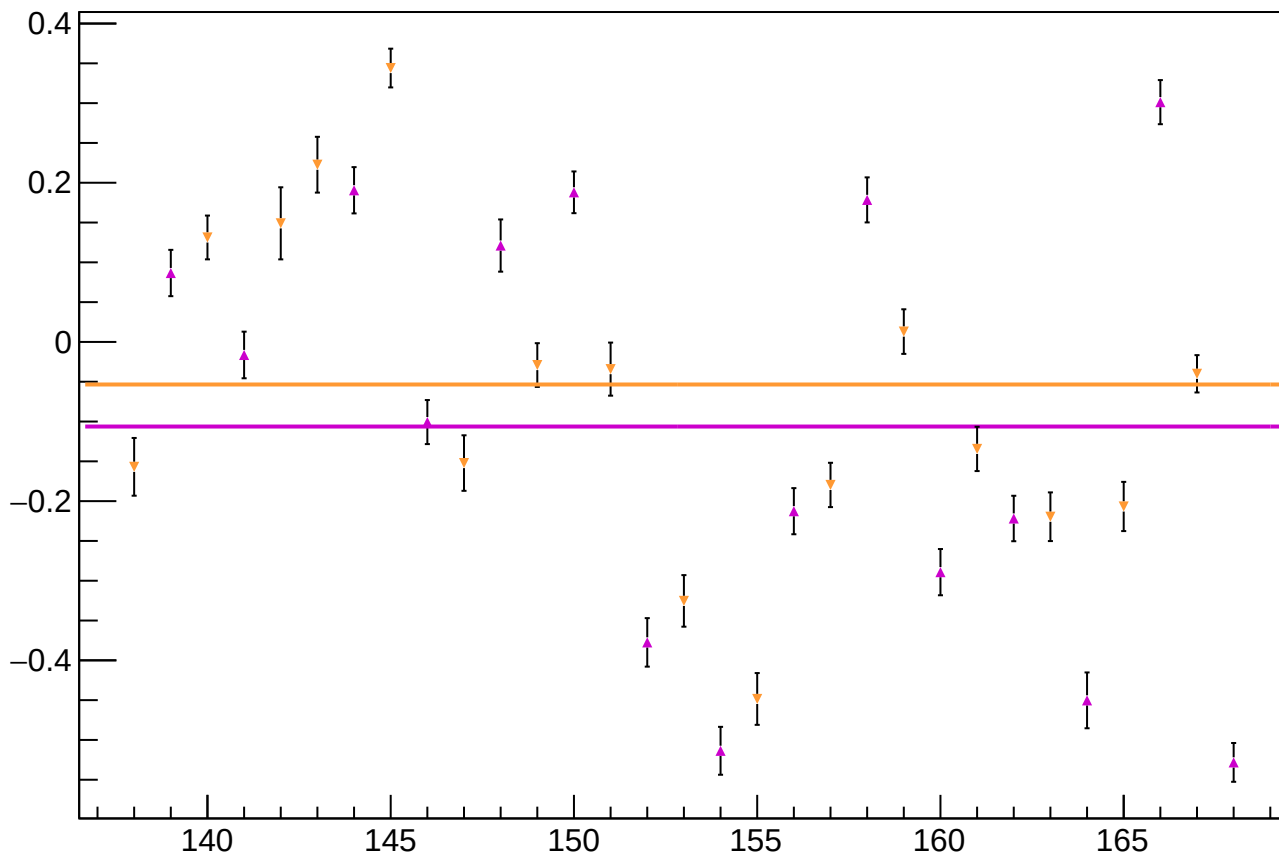
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 82.689+/-0.161 χ^2/NDF :1774.8/14

Out: 84.567+/-0.159 χ^2/NDF :1536.6/15

All: 83.640+/-0.113 χ^2/NDF : 3380.4/30

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



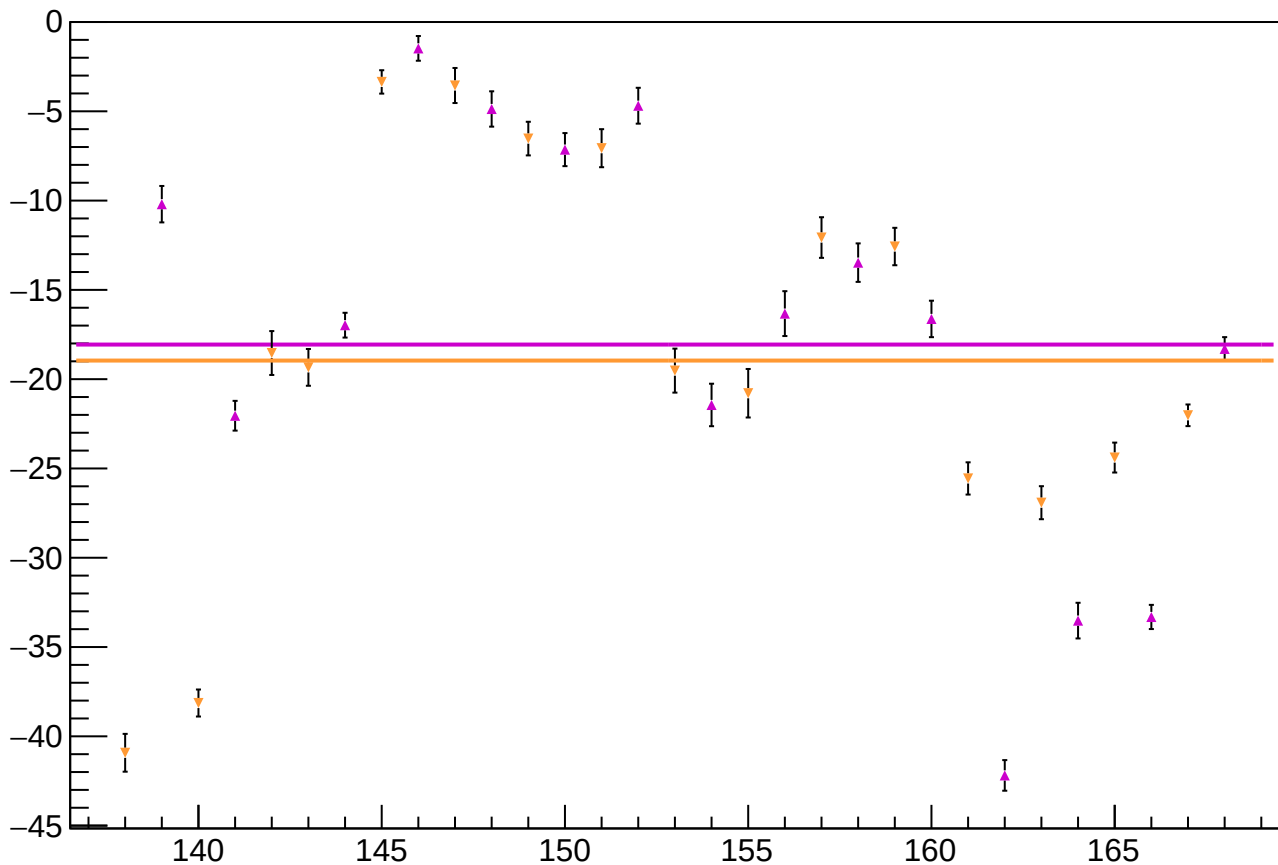
Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -0.053 ± 0.007 $\chi^2/\text{NDF}: 718.0/15$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -0.106 ± 0.007 $\chi^2/\text{NDF}: 1377.2/14$

Left: -0.080 ± 0.005 $\chi^2/\text{NDF}: 2120.2/30$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -0.106 ± 0.007 $\chi^2/\text{NDF}: 1377.2/14$
 Out: -0.053 ± 0.007 $\chi^2/\text{NDF}: 718.0/15$

All: -0.080 ± 0.005 $\chi^2/\text{NDF}: 2120.2/30$

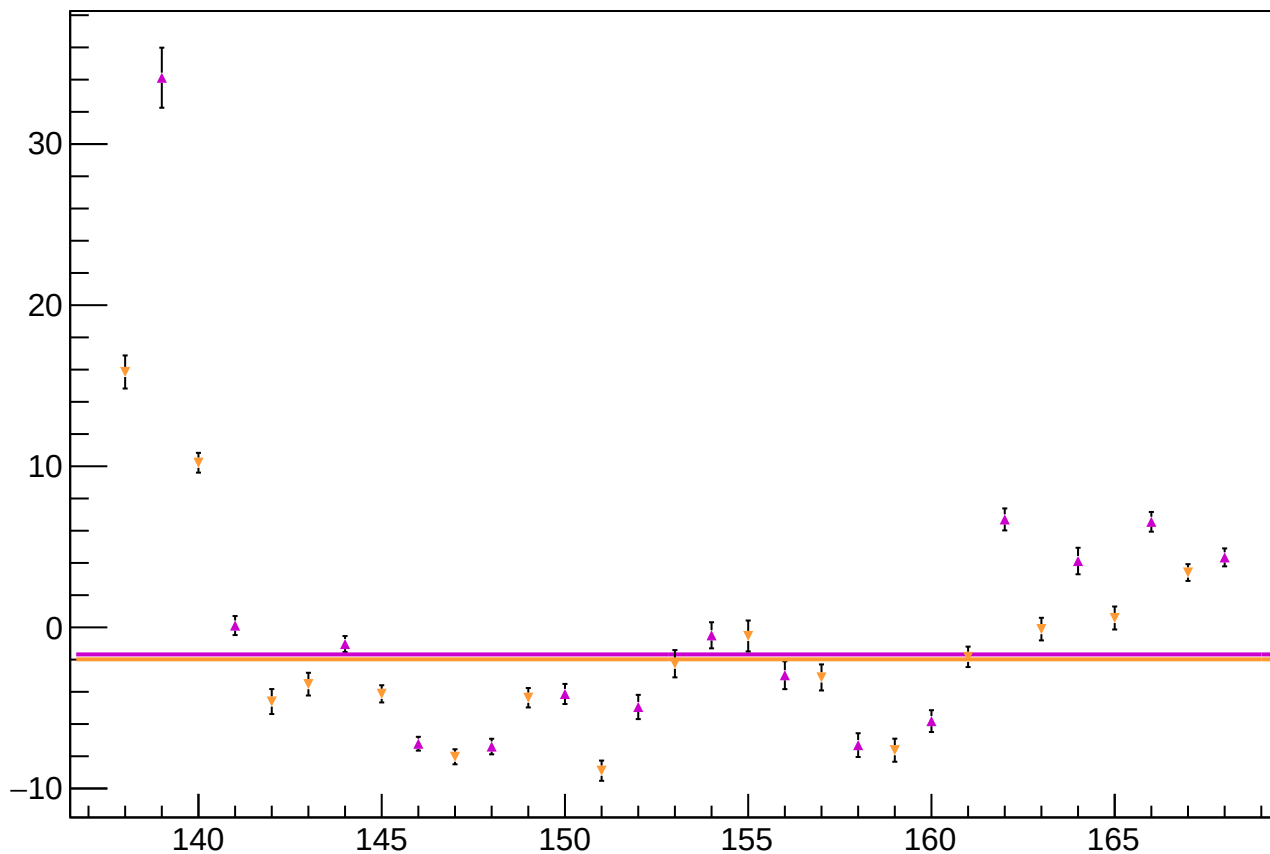
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -18.958+/-0.229 χ^2/NDF :2456.7/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -18.062+/-0.225 χ^2/NDF :2722.9/14

Left: -18.502+/-0.161 χ^2/NDF : 5187.3/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -18.062+/-0.225 χ^2/NDF :2722.9/14
 Out: -18.958+/-0.229 χ^2/NDF :2456.7/15
 All: -18.502+/-0.161 χ^2/NDF : 5187.3/30

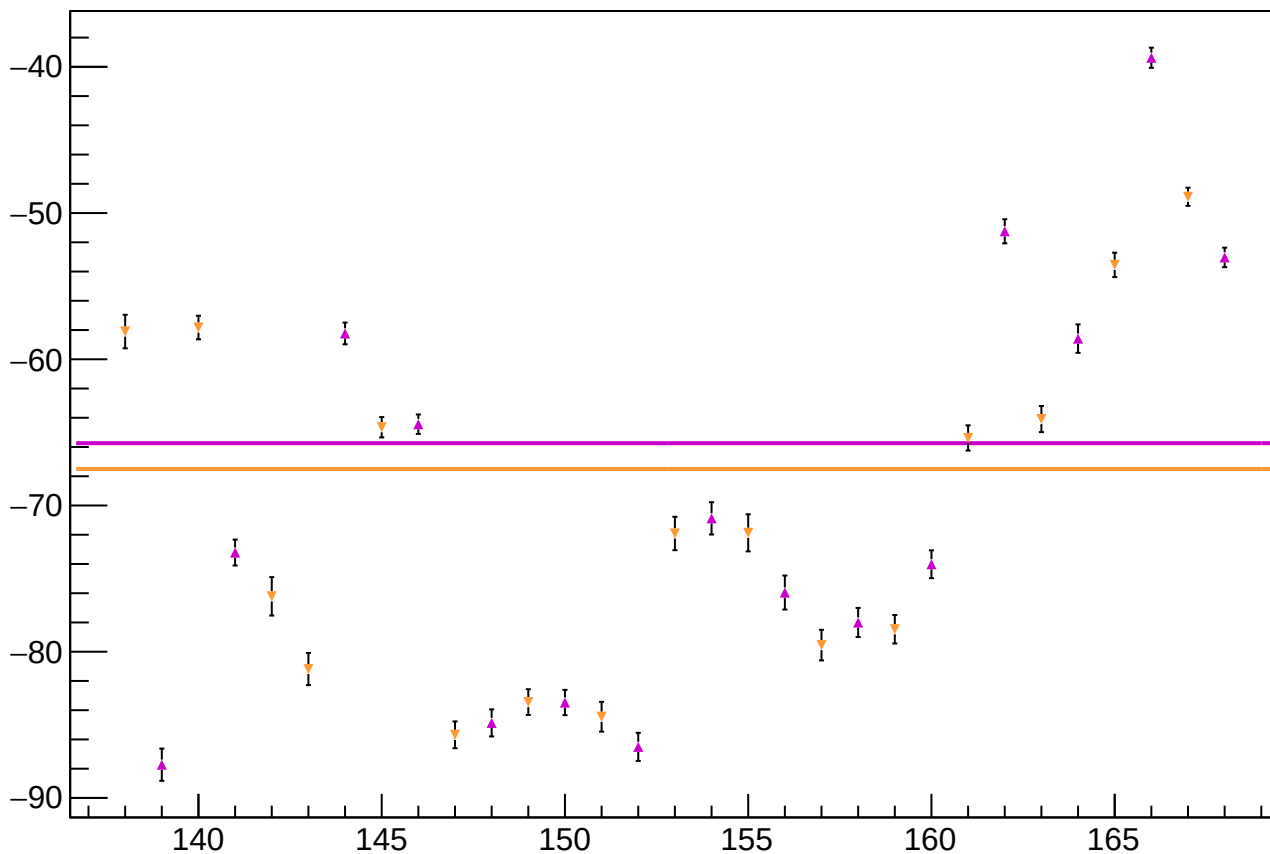
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.984+/-0.165 χ^2/NDF :1227.3/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.678+/-0.163 χ^2/NDF :1318.8/14

Left: -1.829+/-0.116 χ^2/NDF : 2547.8/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -1.678+/-0.163 χ^2/NDF :1318.8/14
 Out: -1.984+/-0.165 χ^2/NDF :1227.3/15
 All: -1.829+/-0.116 χ^2/NDF : 2547.8/30

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -67.501+/-0.228 χ^2/NDF :2913.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -65.739+/-0.222 χ^2/NDF :4400.9/14

Left: -66.596+/-0.159 χ^2/NDF : 7345.4/30

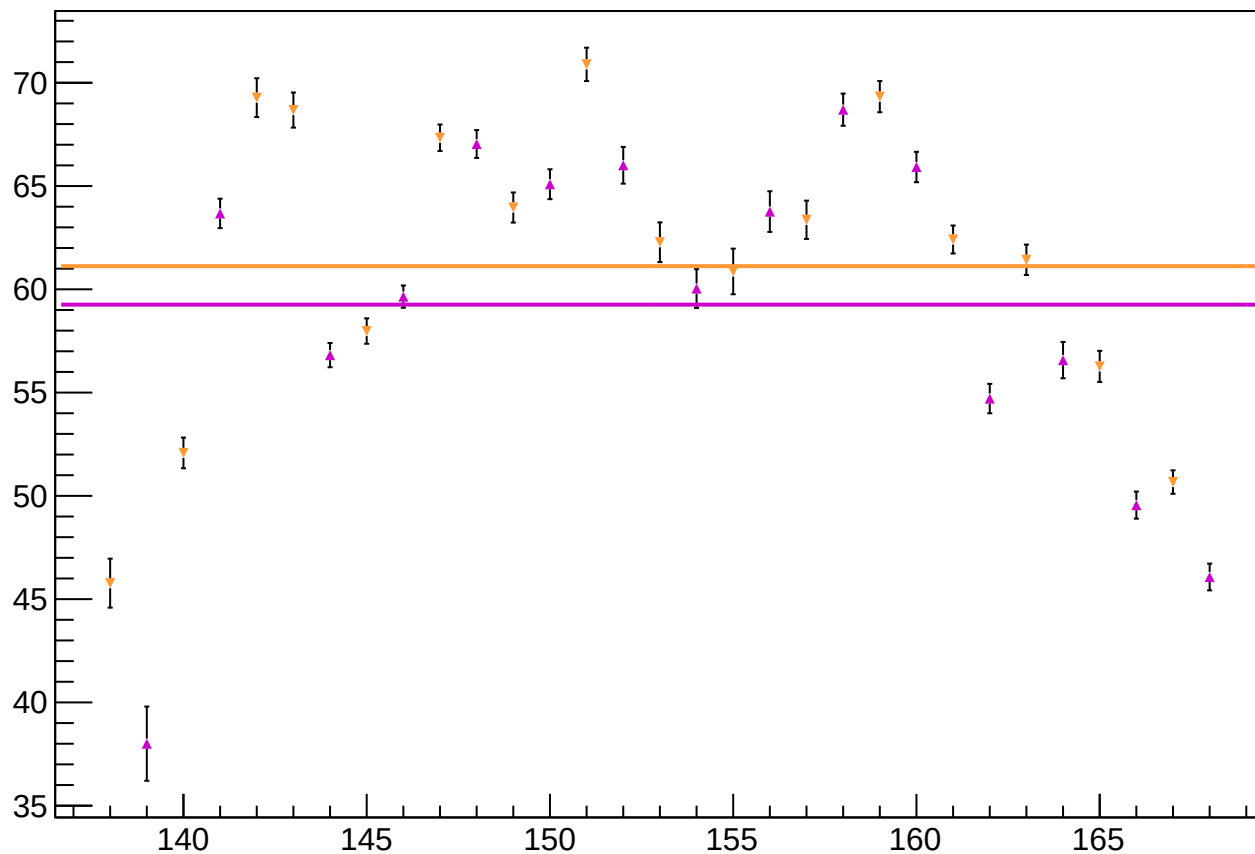
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -65.739+/-0.222 χ^2/NDF :4400.9/14

Out: -67.501+/-0.228 χ^2/NDF :2913.8/15

All: -66.596+/-0.159 χ^2/NDF : 7345.4/30

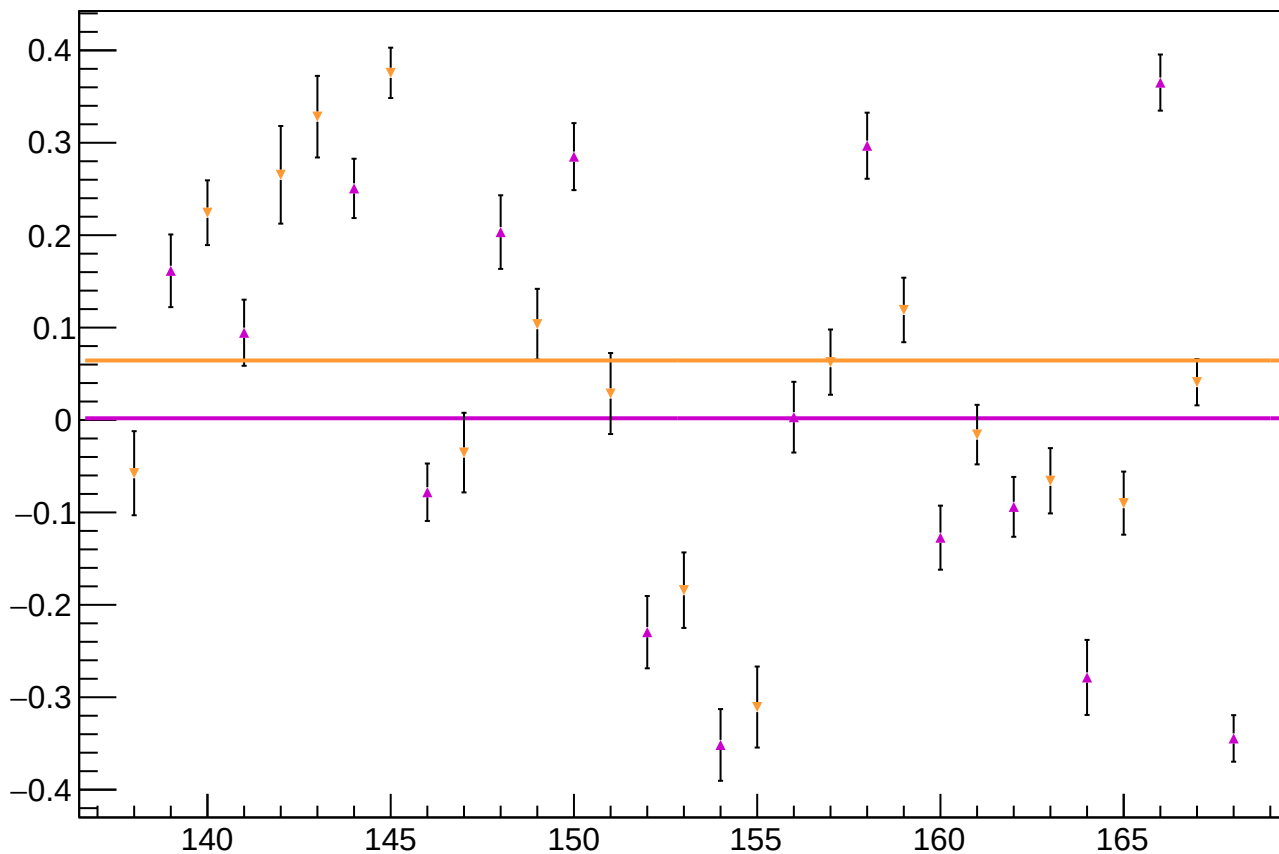
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 61.122+/-0.192 χ^2/NDF :1260.4/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 59.259+/-0.190 χ^2/NDF :1385.7/14

Left: 60.183+/-0.135 χ^2/NDF : 2693.7/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 59.259+/-0.190 χ^2/NDF :1385.7/14
 Out: 61.122+/-0.192 χ^2/NDF :1260.4/15
 All: 60.183+/-0.135 χ^2/NDF : 2693.7/30

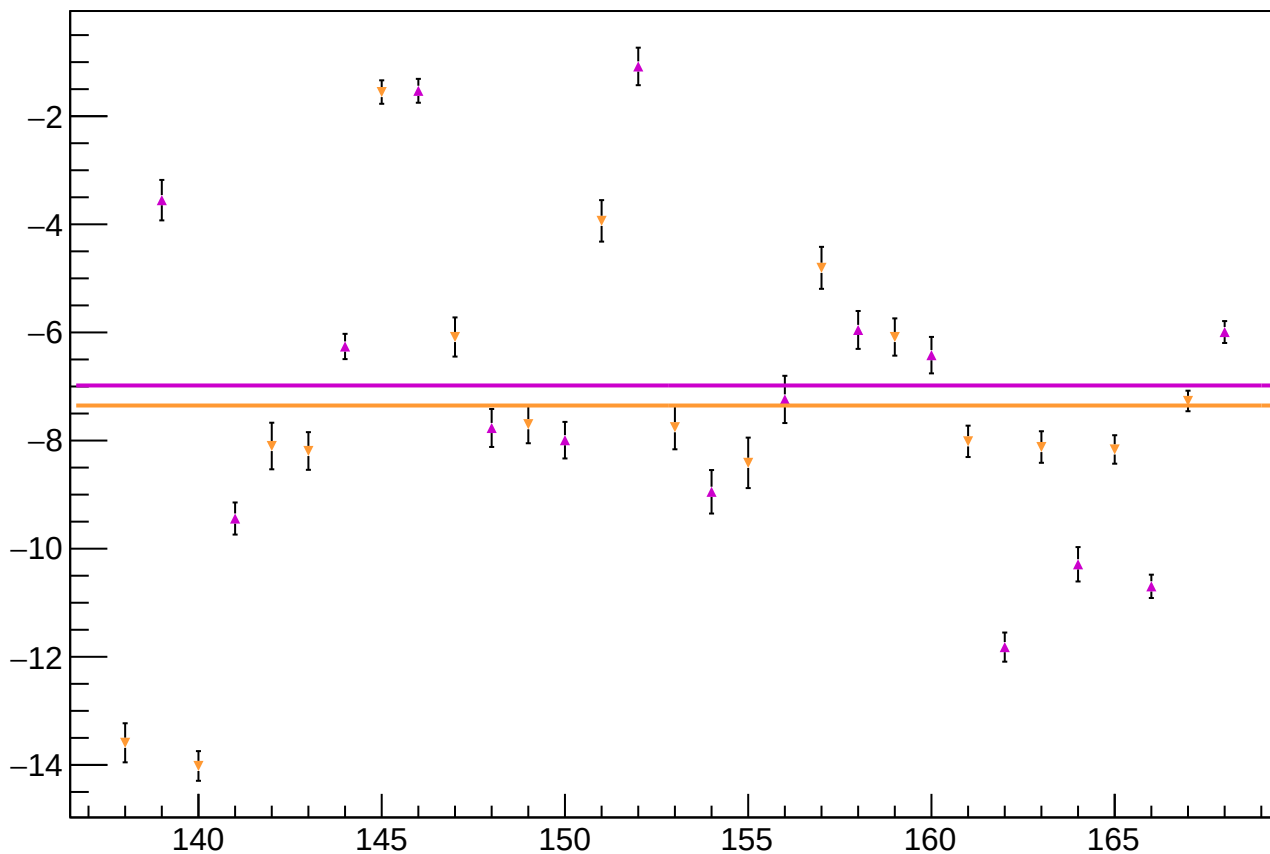
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.064 $\pm$ 0.009 χ^2 /NDF:369.5/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.002 $\pm$ 0.009 χ^2 /NDF:765.3/14

Left: 0.033 $\pm$ 0.006 χ^2 /NDF: 1159.1/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.002 $\pm$ 0.009 χ^2 /NDF:765.3/14
 Out: 0.064 $\pm$ 0.009 χ^2 /NDF:369.5/15
 All: 0.033 $\pm$ 0.006 χ^2 /NDF: 1159.1/30

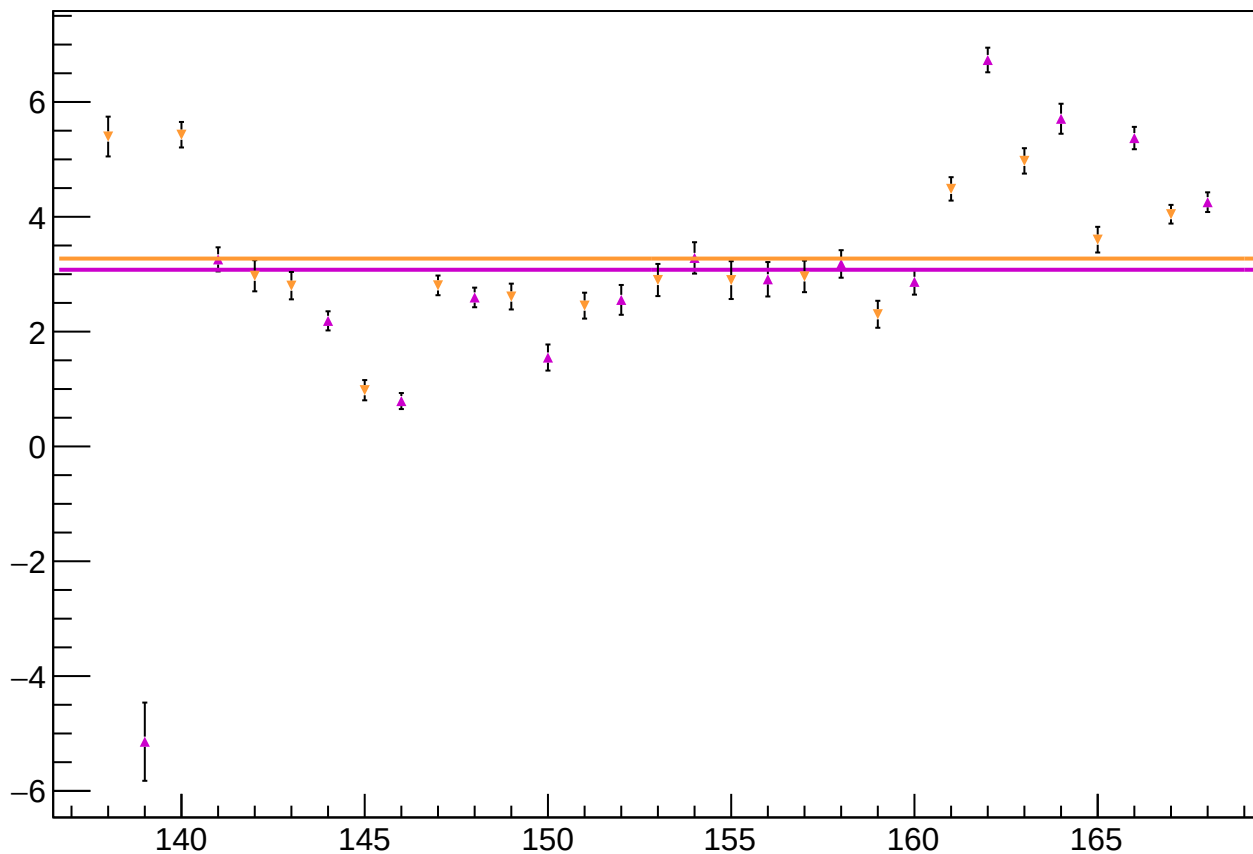
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.352+/-0.077 χ^2/NDF :1786.9/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.981+/-0.074 χ^2/NDF :1860.8/14

Left: -7.161+/-0.053 χ^2/NDF : 3659.6/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.981+/-0.074 χ^2/NDF :1860.8/14
 Out: -7.352+/-0.077 χ^2/NDF :1786.9/15
 All: -7.161+/-0.053 χ^2/NDF : 3659.6/30

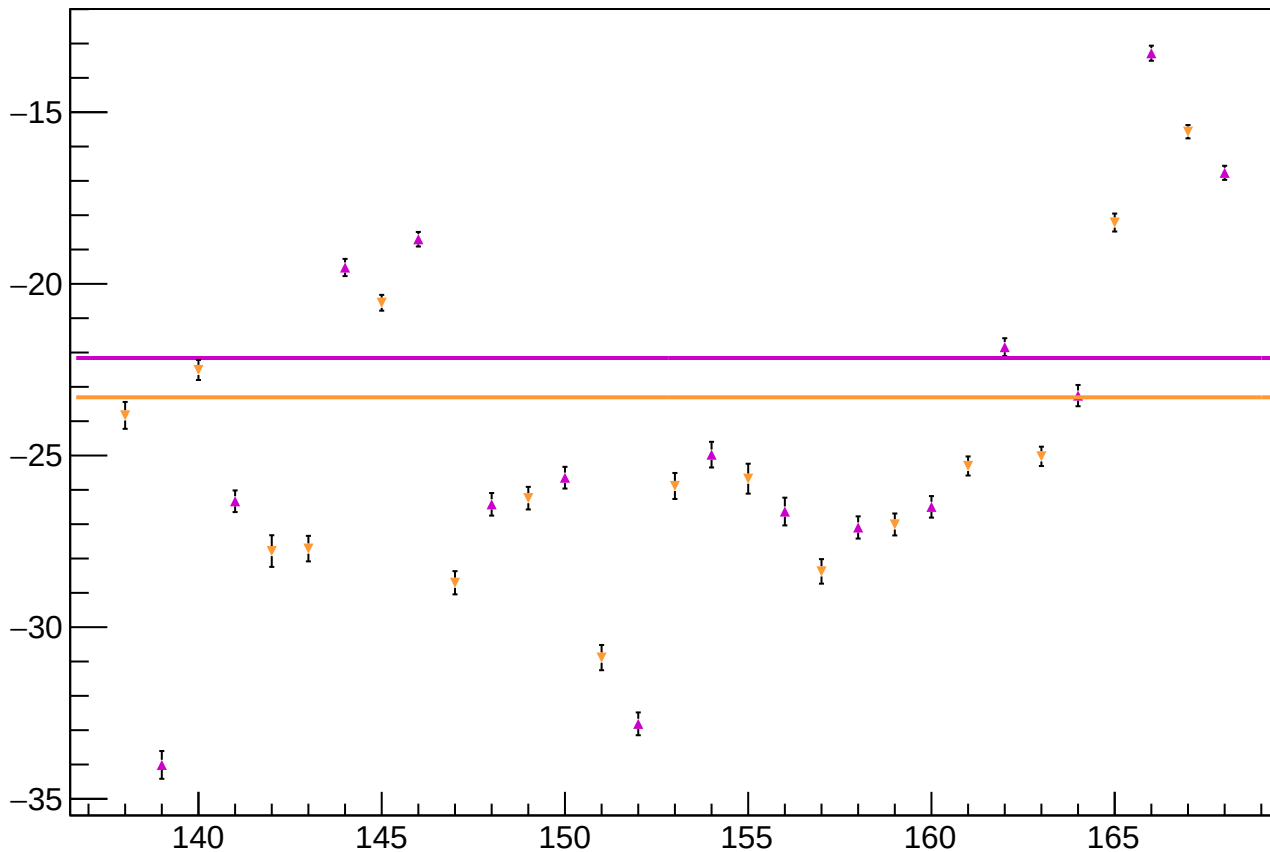
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.272+/-0.056 χ^2/NDF :476.1/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.078+/-0.054 χ^2/NDF :1079.9/14

Left: 3.172+/-0.039 χ^2/NDF : 1562.3/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.078+/-0.054 χ^2/NDF :1079.9/14
 Out: 3.272+/-0.056 χ^2/NDF :476.1/15
 All: 3.172+/-0.039 χ^2/NDF : 1562.3/30

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



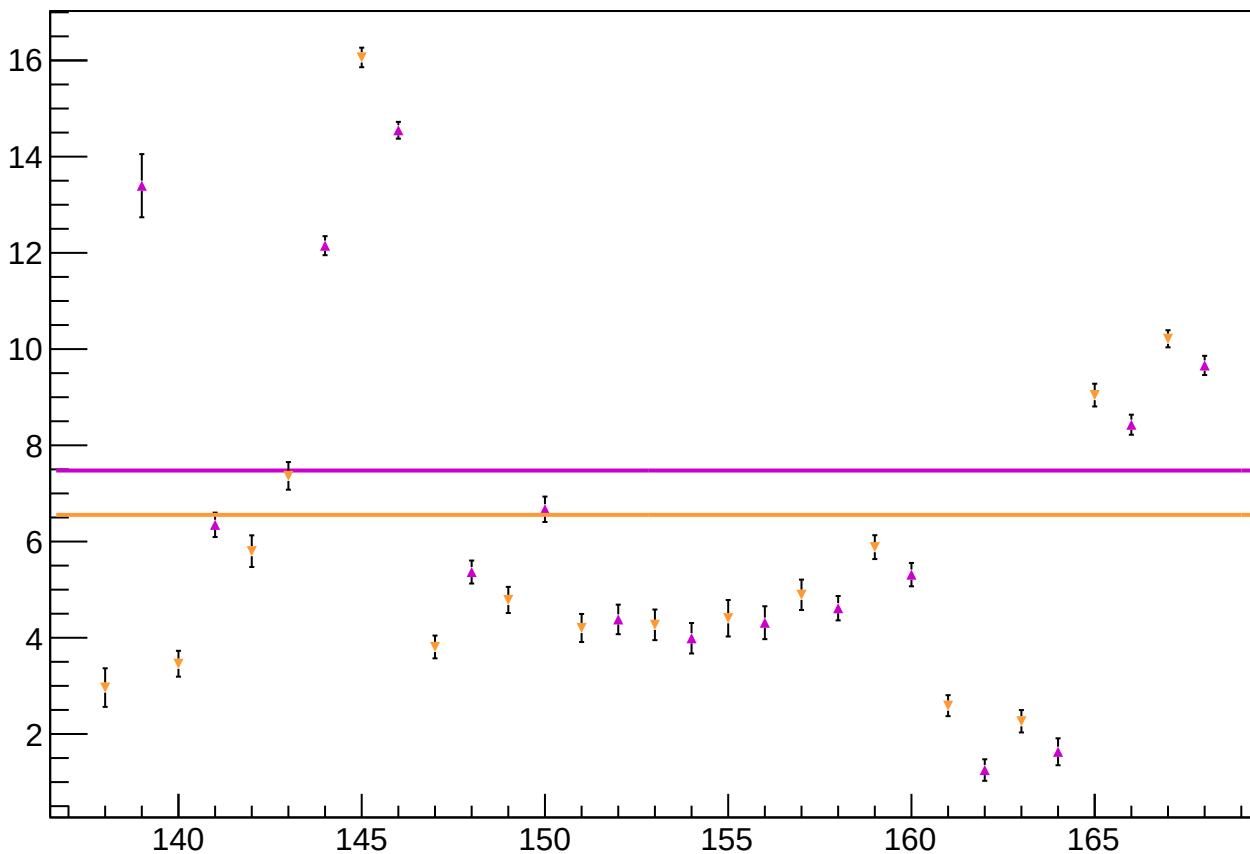
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -23.305+/-0.076 χ^2/NDF :3612.9/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -22.159+/-0.073 χ^2/NDF :5666.9/14

Left: -22.709+/-0.053 χ^2/NDF : 9396.4/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -22.159+/-0.073 χ^2/NDF :5666.9/14
 Out: -23.305+/-0.076 χ^2/NDF :3612.9/15

All: -22.709+/-0.053 χ^2/NDF : 9396.4/30

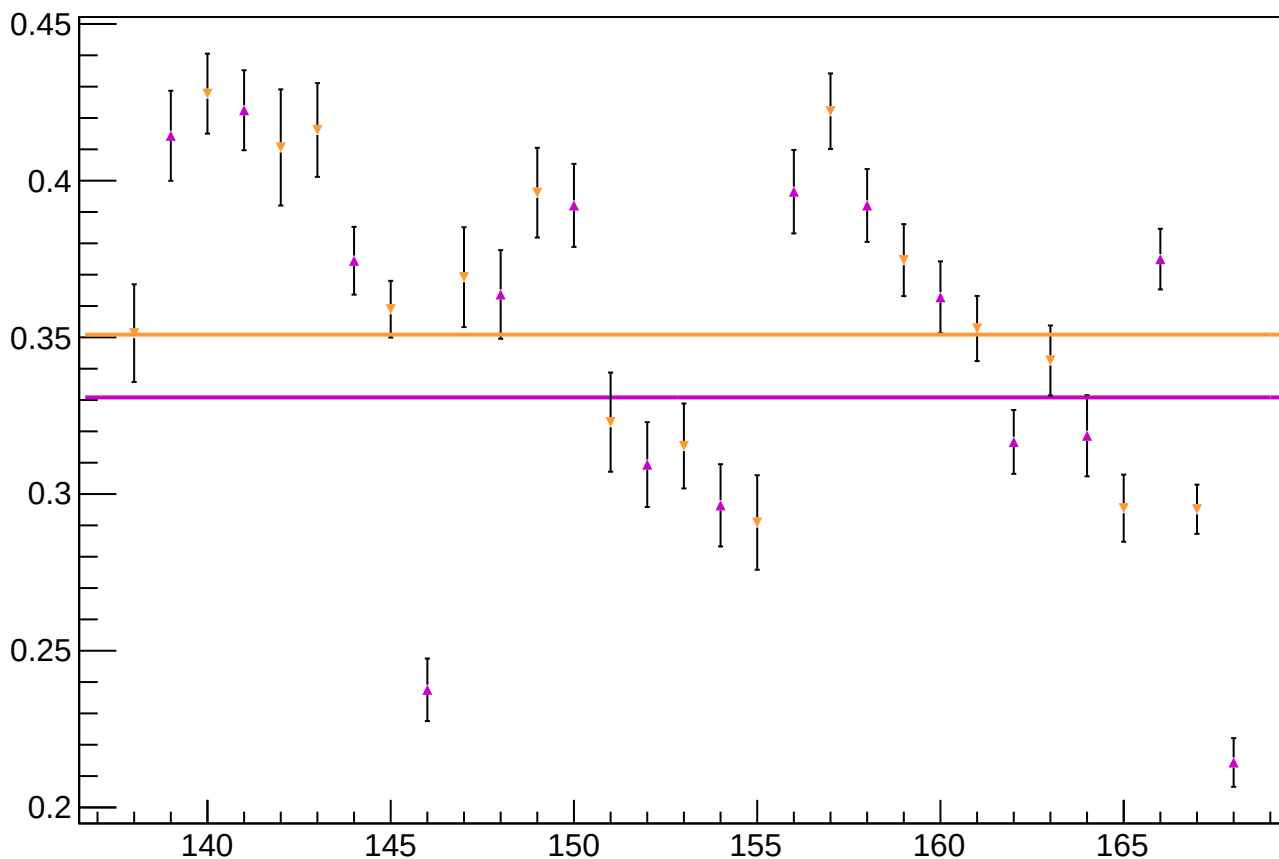
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.555+/-0.064 χ^2/NDF : 3979.8/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.476+/-0.063 χ^2/NDF : 4250.8/14

Left: 7.025+/-0.045 χ^2/NDF : 8334.9/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.476+/-0.063 χ^2/NDF : 4250.8/14
 Out: 6.555+/-0.064 χ^2/NDF : 3979.8/15
 All: 7.025+/-0.045 χ^2/NDF : 8334.9/30

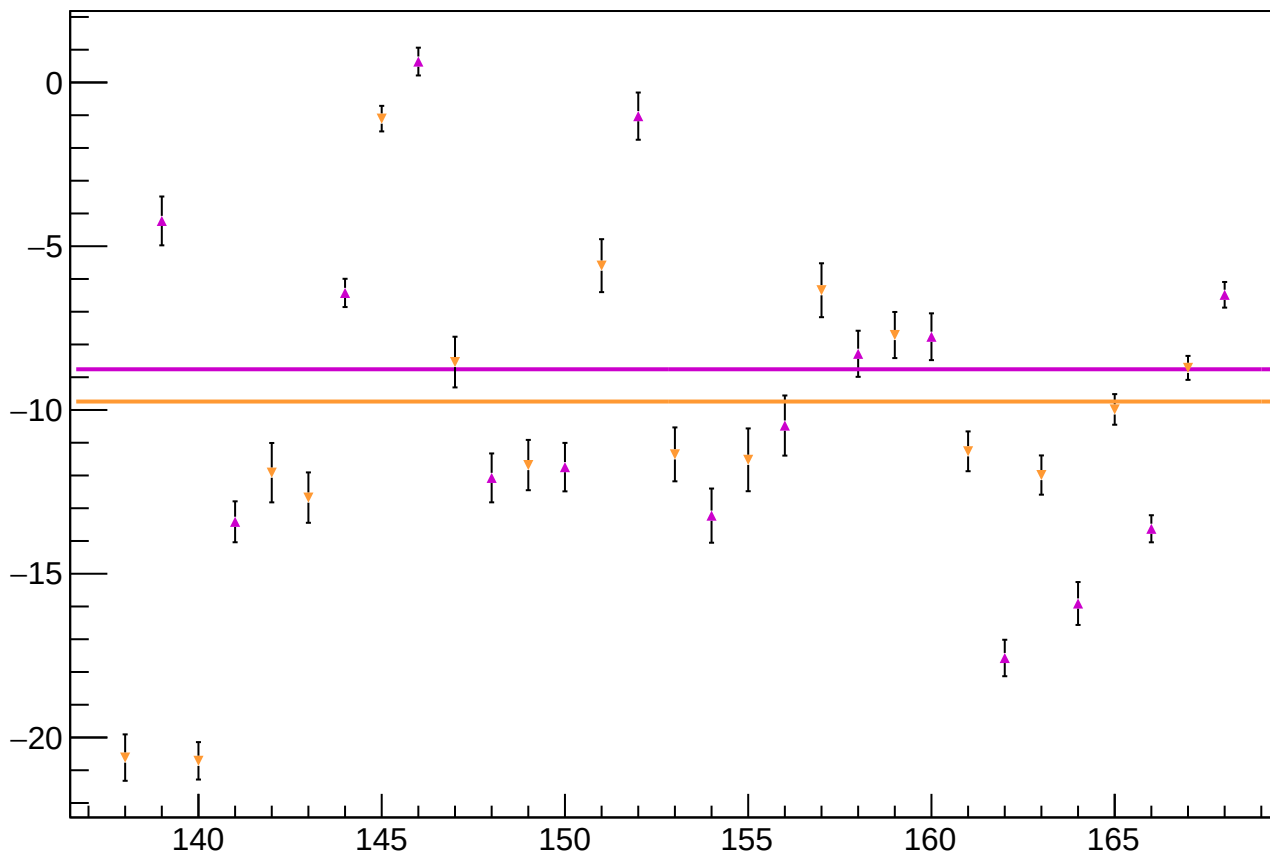
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.351+/-0.003 χ^2/NDF :220.7/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.331+/-0.003 χ^2/NDF :533.4/14

Left: 0.341+/-0.002 χ^2/NDF : 776.6/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.331+/-0.003 χ^2/NDF :533.4/14
 Out: 0.351+/-0.003 χ^2/NDF :220.7/15
 All: 0.341+/-0.002 χ^2/NDF : 776.6/30

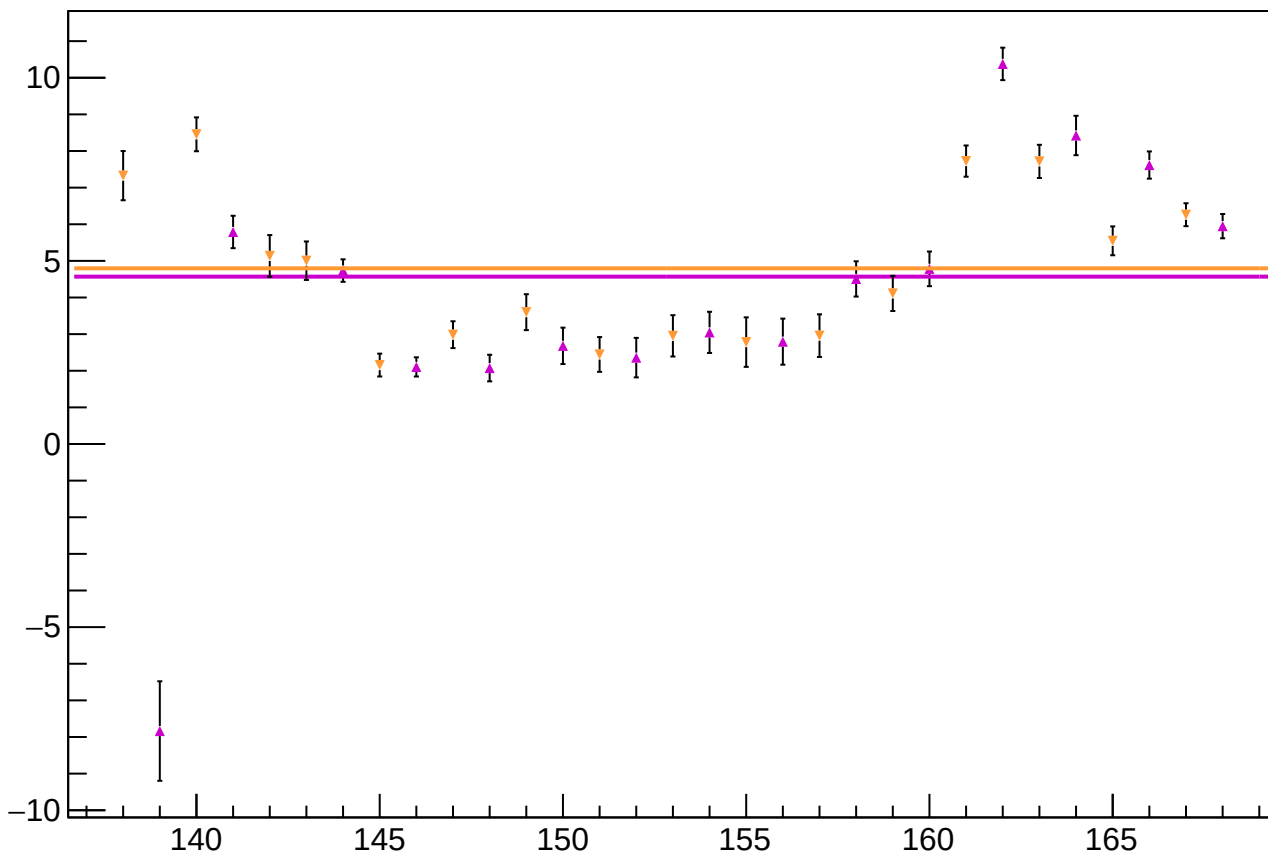
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -9.742 $\pm$ 0.152 χ^2 /NDF:1210.8/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -8.757 $\pm$ 0.148 χ^2 /NDF:1340.6/14

Left: -9.236 $\pm$ 0.106 χ^2 /NDF: 2572.9/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -8.757 $\pm$ 0.148 χ^2 /NDF:1340.6/14
 Out: -9.742 $\pm$ 0.152 χ^2 /NDF:1210.8/15
 All: -9.236 $\pm$ 0.106 χ^2 /NDF: 2572.9/30

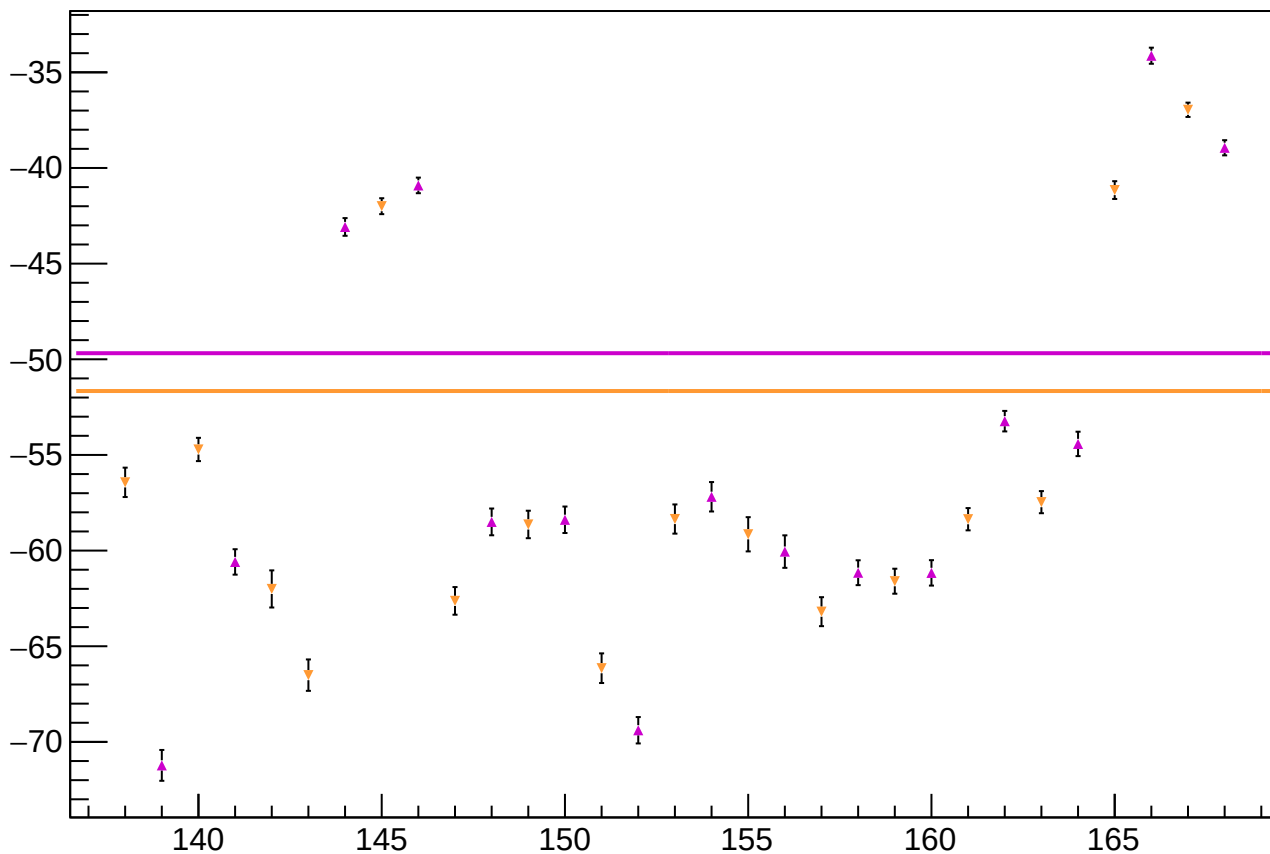
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.797 $\pm$ 0.112 χ^2 /NDF:349.7/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.570 $\pm$ 0.108 χ^2 /NDF:581.5/14

Left: 4.679 $\pm$ 0.078 χ^2 /NDF: 933.3/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.570 $\pm$ 0.108 χ^2 /NDF:581.5/14
 Out: 4.797 $\pm$ 0.112 χ^2 /NDF:349.7/15
 All: 4.679 $\pm$ 0.078 χ^2 /NDF: 933.3/30

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -51.659+/-0.152 χ^2/NDF :4617.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -49.682+/-0.147 χ^2/NDF :5838.3/14

Left: -50.633+/-0.106 χ^2/NDF : 10542.8/30

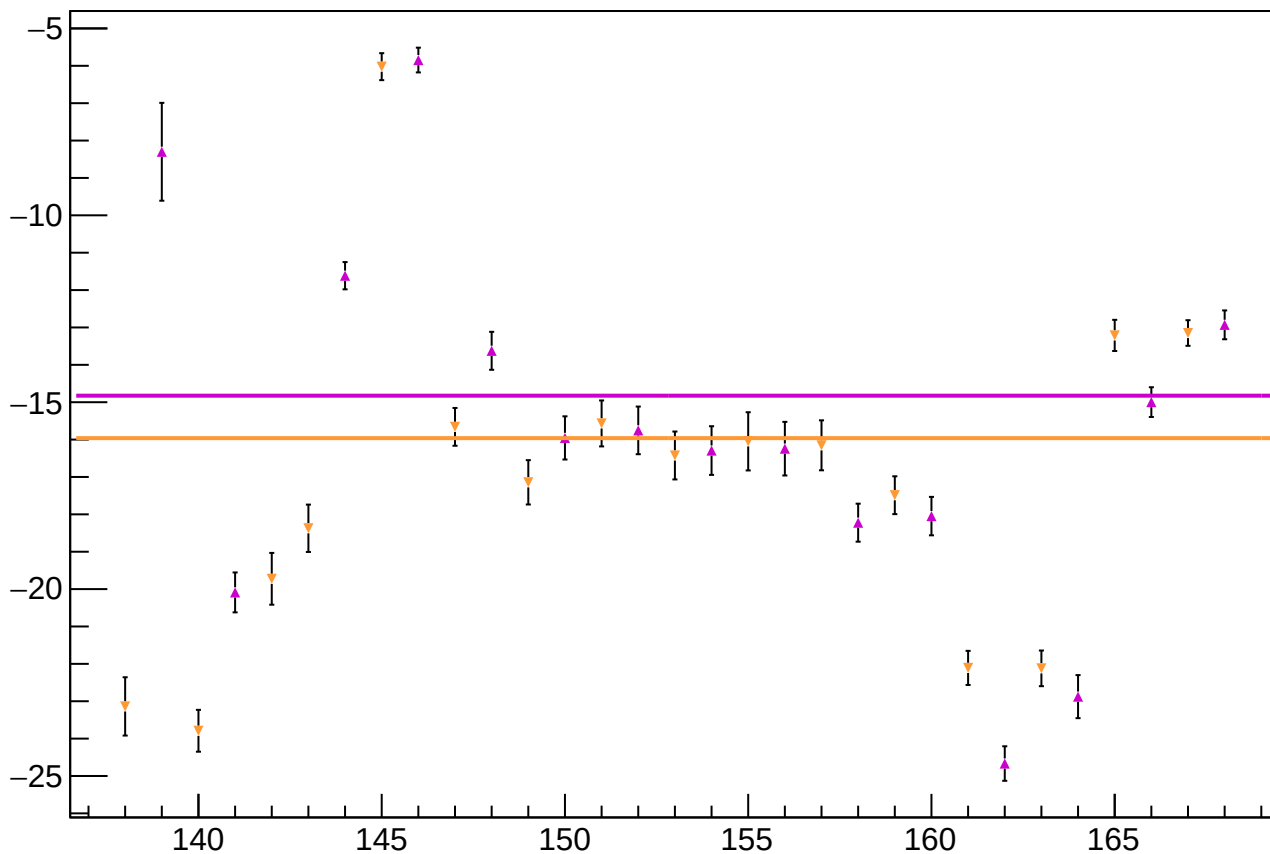
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -49.682+/-0.147 χ^2/NDF :5838.3/14

Out: -51.659+/-0.152 χ^2/NDF :4617.3/15

All: -50.633+/-0.106 χ^2/NDF : 10542.8/30

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



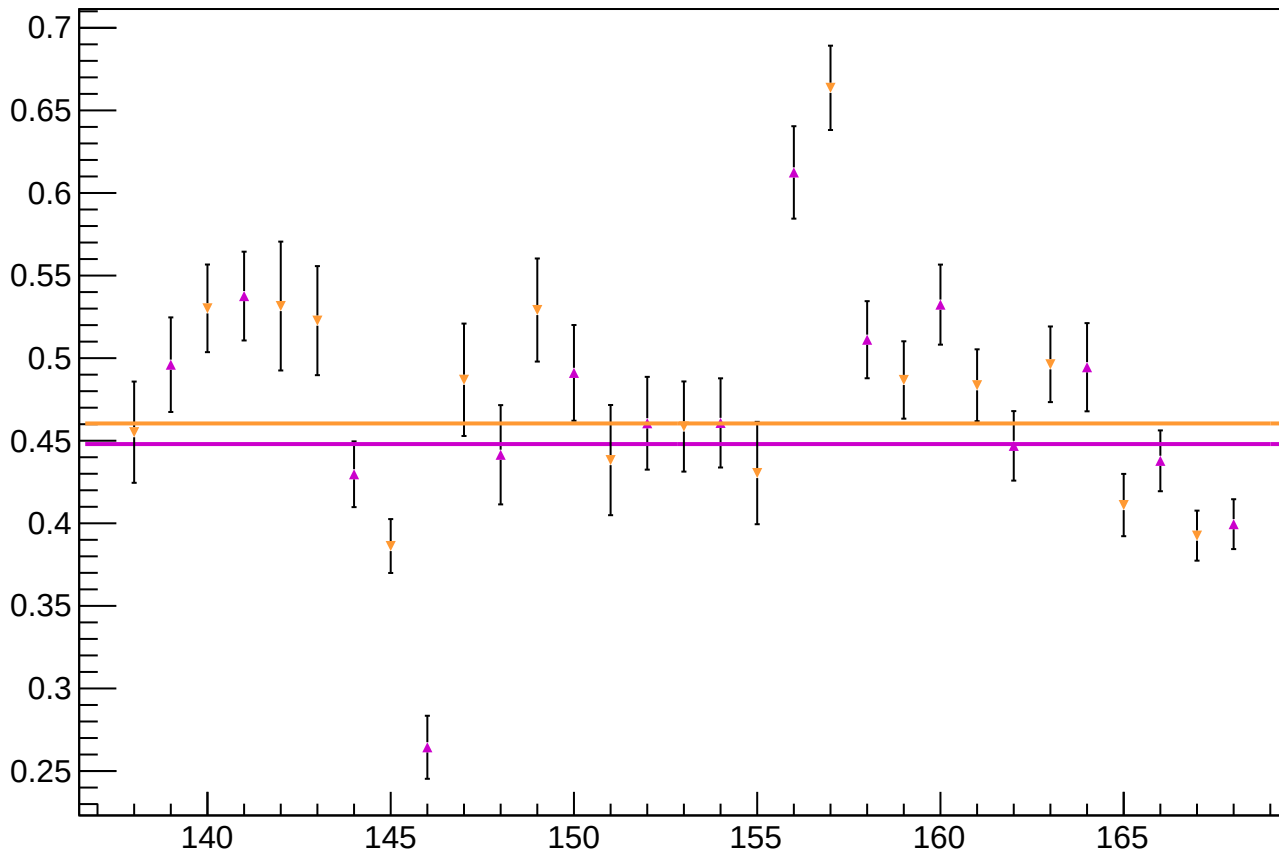
Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -15.961 $\pm$ 0.129 χ^2/NDF :1556.3/15
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -14.825 $\pm$ 0.126 χ^2/NDF :1713.2/14

Left: -15.381 $\pm$ 0.090 χ^2/NDF : 3309.1/30
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -14.825 $\pm$ 0.126 χ^2/NDF :1713.2/14
 Out: -15.961 $\pm$ 0.129 χ^2/NDF :1556.3/15

All: -15.381 $\pm$ 0.090 χ^2/NDF : 3309.1/30

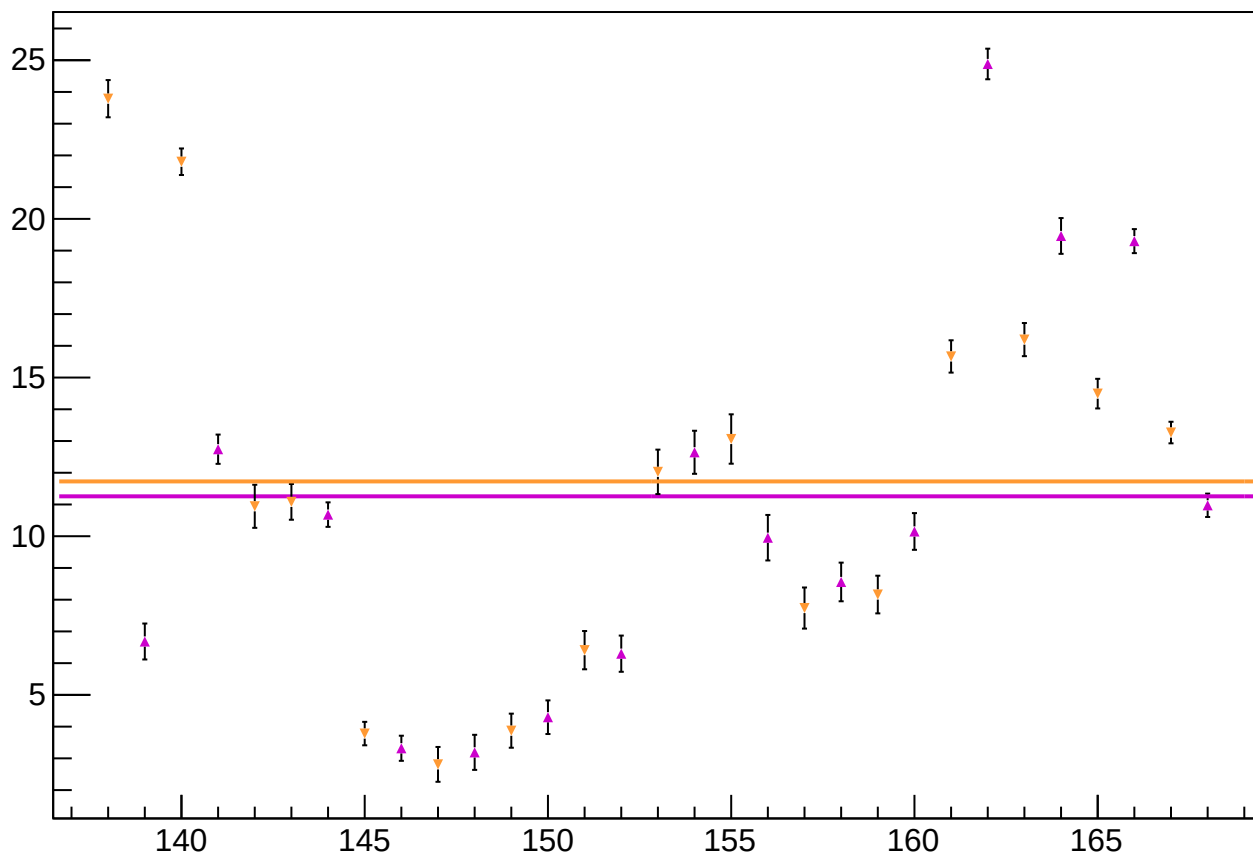
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.460 $\pm$ 0.006 χ^2 /NDF:136.5/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.448 $\pm$ 0.006 χ^2 /NDF:177.7/14

Left: 0.454 $\pm$ 0.004 χ^2 /NDF: 316.3/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.448 $\pm$ 0.006 χ^2 /NDF:177.7/14
 Out: 0.460 $\pm$ 0.006 χ^2 /NDF:136.5/15
 All: 0.454 $\pm$ 0.004 χ^2 /NDF: 316.3/30

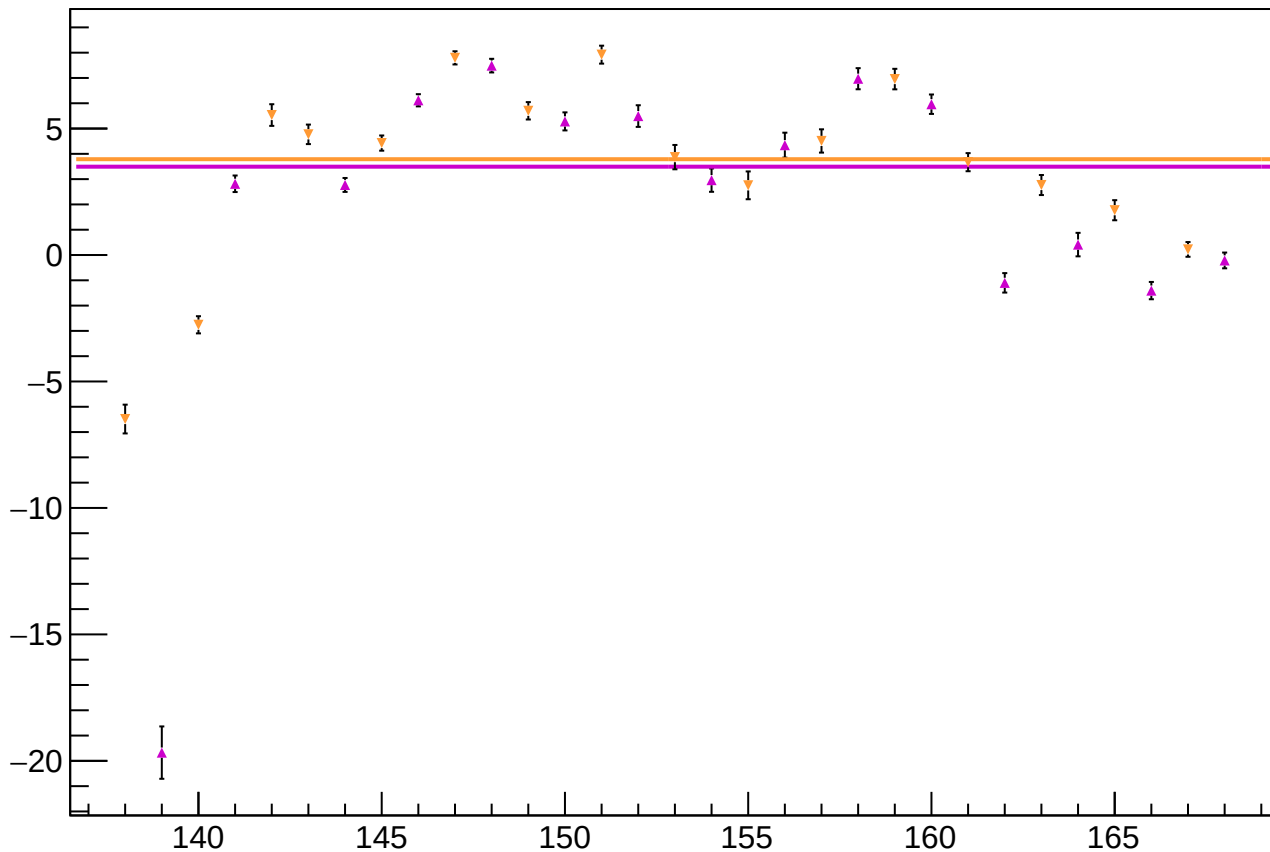
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 11.727+/-0.129 χ^2/NDF :2289.3/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 11.257+/-0.127 χ^2/NDF :2434.0/14

Left: 11.488+/-0.090 χ^2/NDF : 4730.0/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 11.257+/-0.127 χ^2/NDF :2434.0/14
 Out: 11.727+/-0.129 χ^2/NDF :2289.3/15
 All: 11.488+/-0.090 χ^2/NDF : 4730.0/30

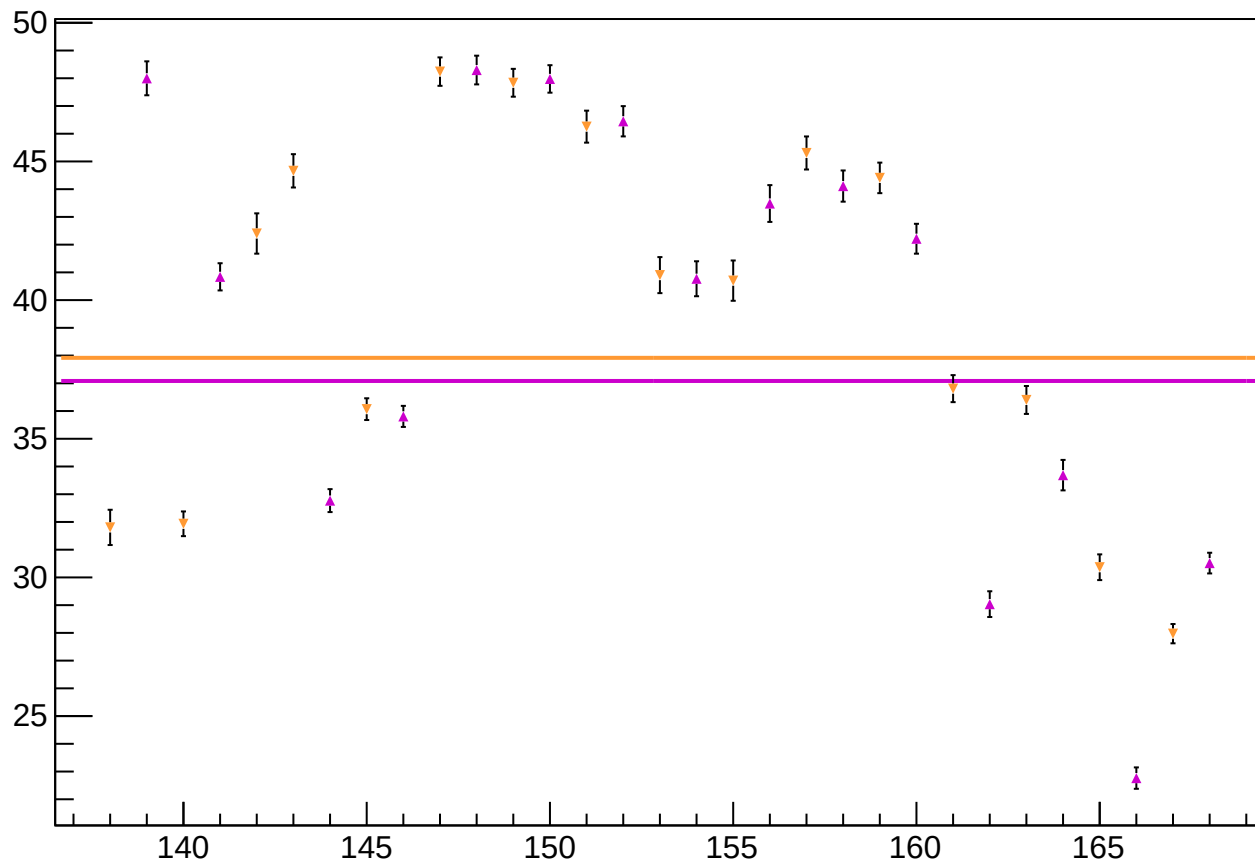
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.788 $\pm$ 0.093 χ^2 /NDF:1377.3/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.492 $\pm$ 0.092 χ^2 /NDF:1545.2/14

Left: 3.639 $\pm$ 0.065 χ^2 /NDF: 2927.6/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 3.492 $\pm$ 0.092 χ^2 /NDF:1545.2/14
 Out: 3.788 $\pm$ 0.093 χ^2 /NDF:1377.3/15
 All: 3.639 $\pm$ 0.065 χ^2 /NDF: 2927.6/30

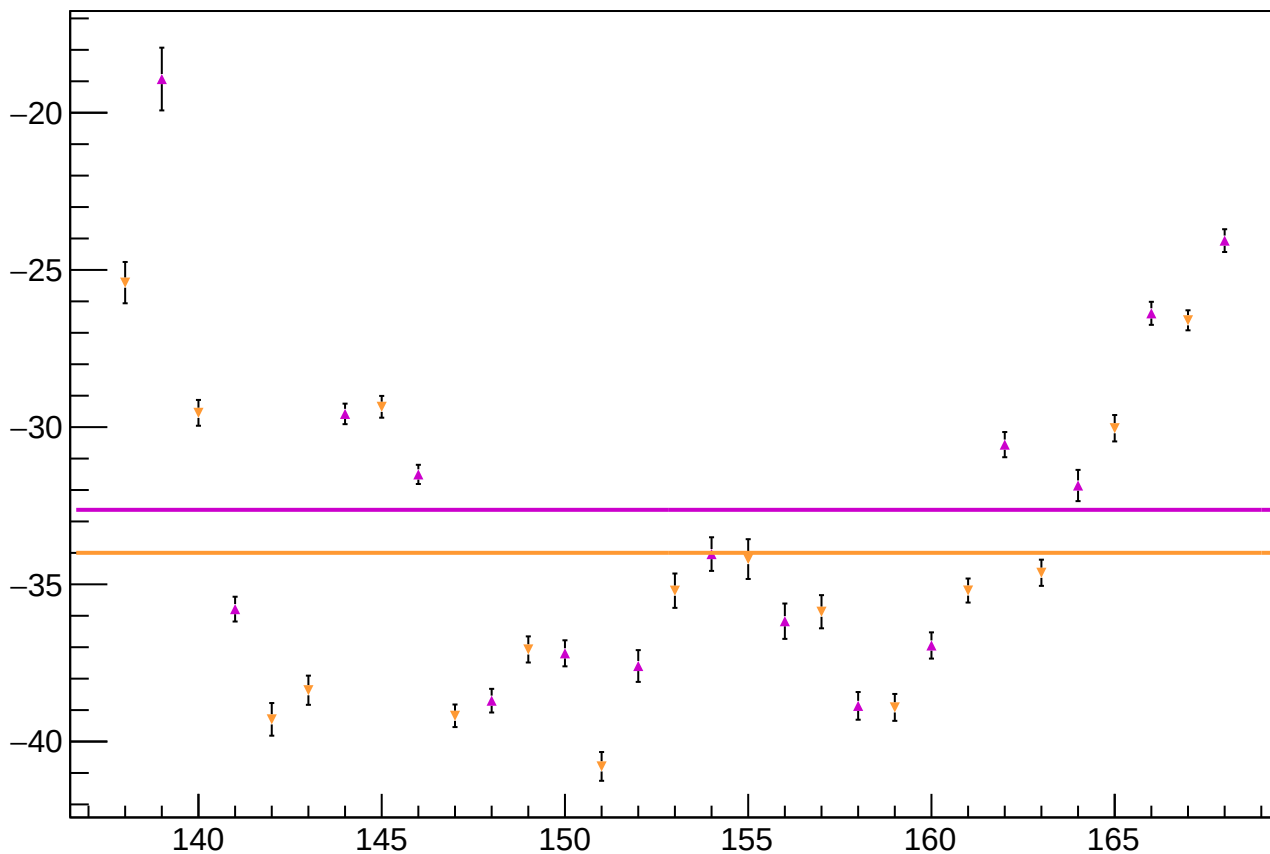
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 37.918 $\pm$ 0.128 χ^2 /NDF:2889.6/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 37.084 $\pm$ 0.125 χ^2 /NDF:4143.2/14

Left: 37.491 $\pm$ 0.089 χ^2 /NDF: 7054.6/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 37.084 $\pm$ 0.125 χ^2 /NDF:4143.2/14
 Out: 37.918 $\pm$ 0.128 χ^2 /NDF:2889.6/15
 All: 37.491 $\pm$ 0.089 χ^2 /NDF: 7054.6/30

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

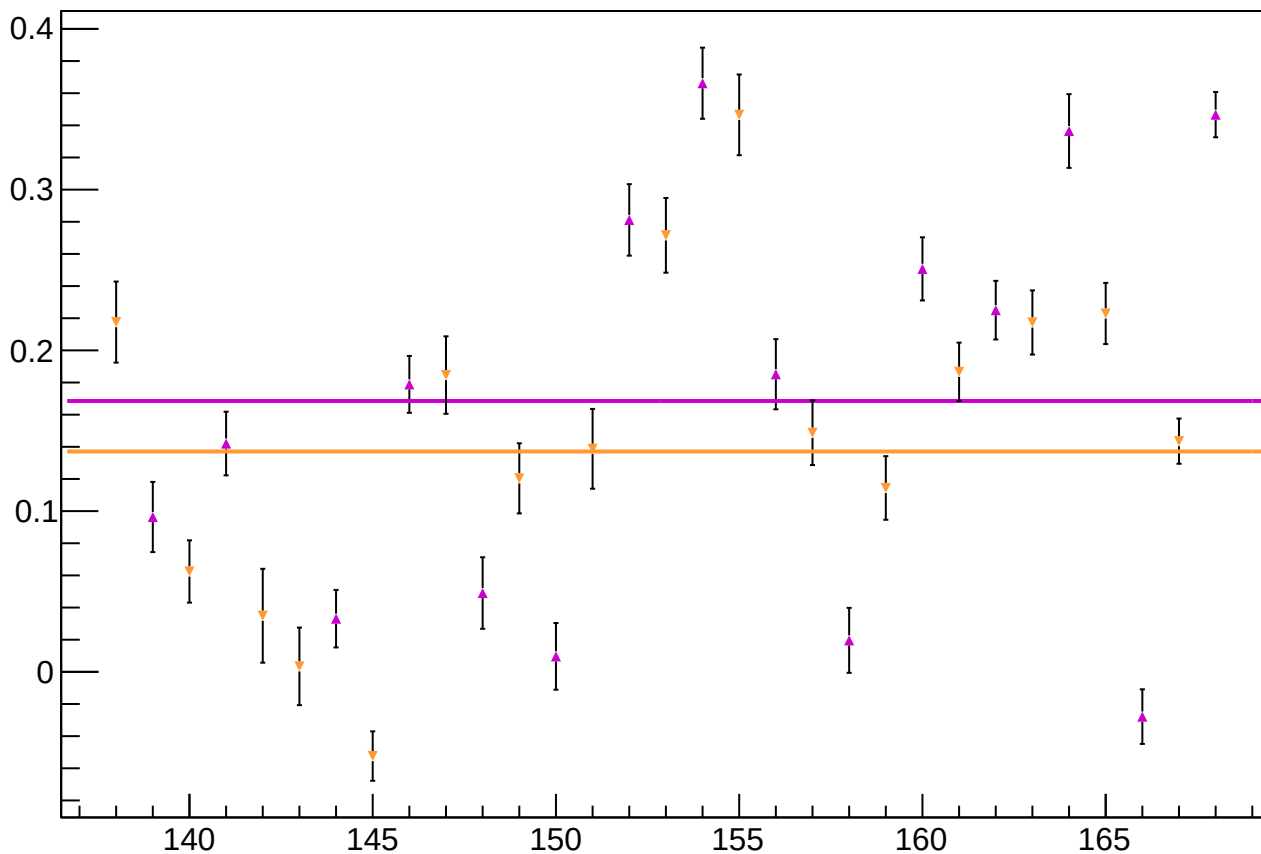


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -33.998+/-0.108 χ^2/NDF :1934.5/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -32.630+/-0.107 χ^2/NDF :2063.7/14

Left: -33.310+/-0.076 χ^2/NDF : 4079.3/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -32.630+/-0.107 χ^2/NDF :2063.7/14
 Out: -33.998+/-0.108 χ^2/NDF :1934.5/15

All: -33.310+/-0.076 χ^2/NDF : 4079.3/30

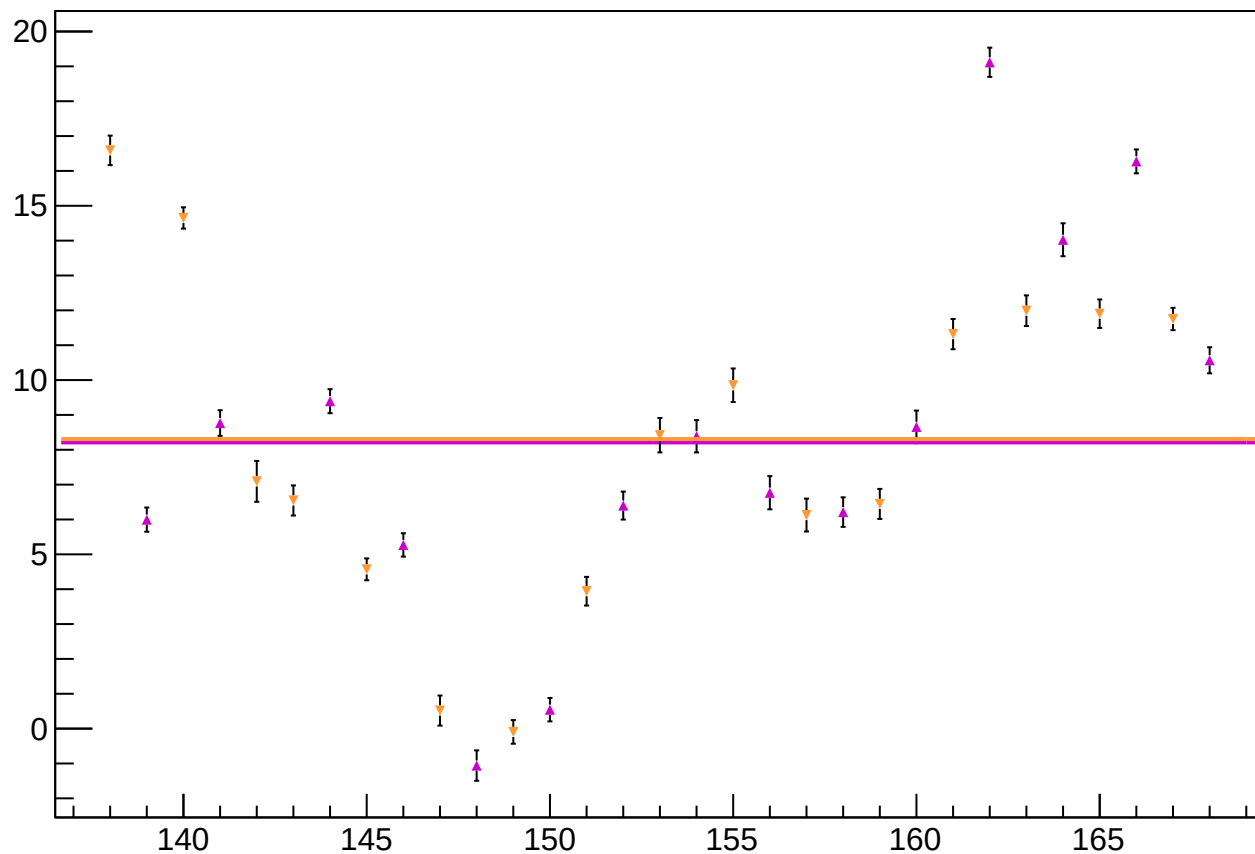
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.137 $\pm$ 0.005 χ^2 /NDF:373.1/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.169 $\pm$ 0.005 χ^2 /NDF:692.4/14

Left: 0.153 $\pm$ 0.004 χ^2 /NDF: 1084.9/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.169 $\pm$ 0.005 χ^2 /NDF:692.4/14
 Out: 0.137 $\pm$ 0.005 χ^2 /NDF:373.1/15
 All: 0.153 $\pm$ 0.004 χ^2 /NDF: 1084.9/30

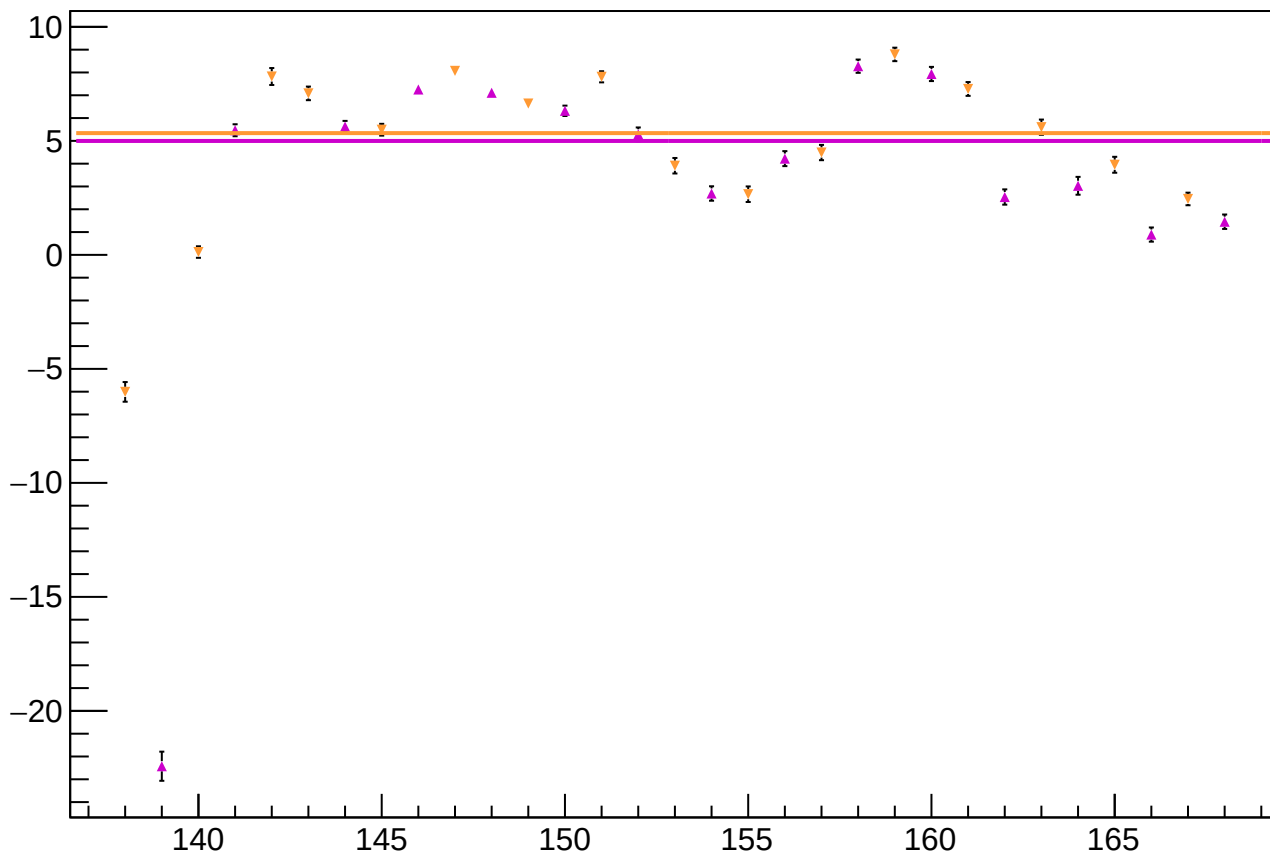
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.306+/-0.100 χ^2/NDF :2391.4/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.211+/-0.101 χ^2/NDF :2577.8/14

Left: 8.259+/-0.071 χ^2/NDF : 4969.7/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.211+/-0.101 χ^2/NDF :2577.8/14
 Out: 8.306+/-0.100 χ^2/NDF :2391.4/15
 All: 8.259+/-0.071 χ^2/NDF : 4969.7/30

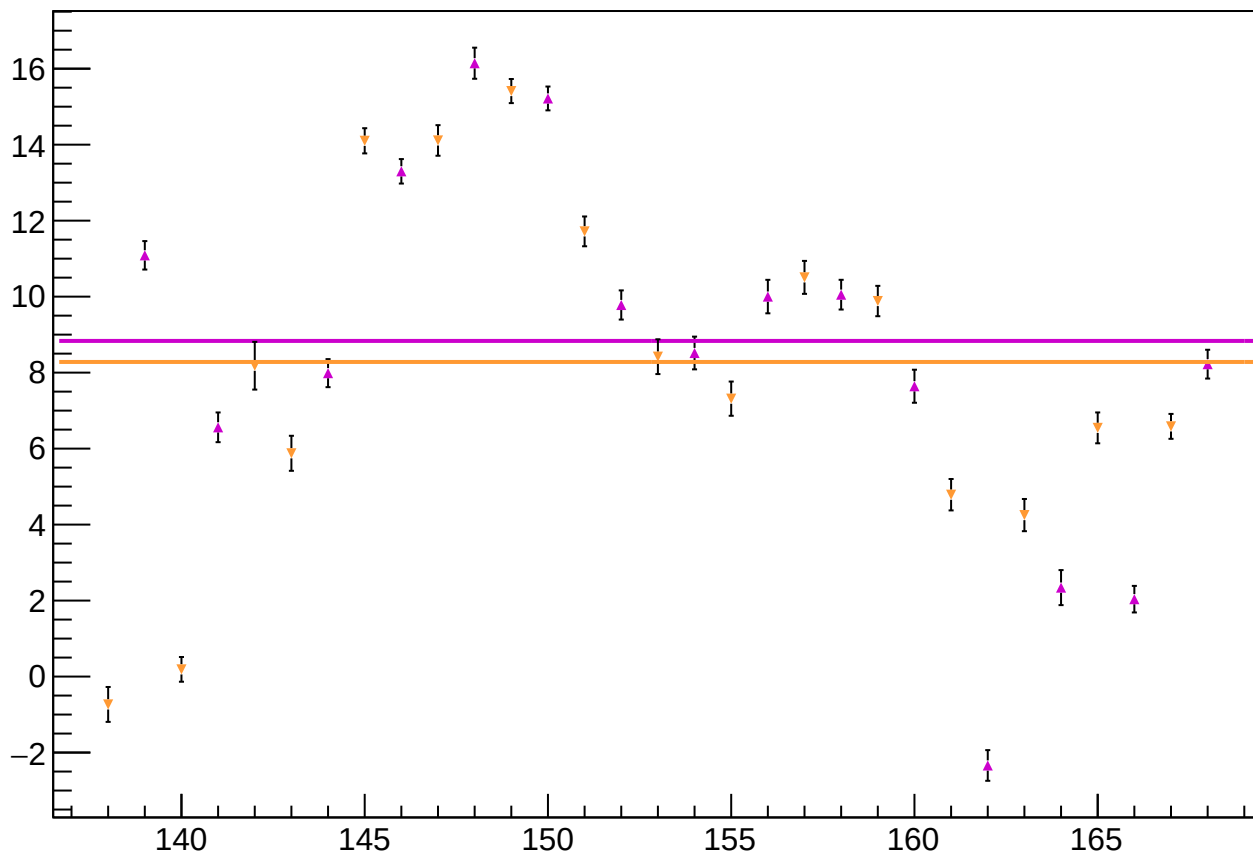
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.340 $\pm$ 0.072 χ^2 /NDF:1896.7/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.996 $\pm$ 0.074 χ^2 /NDF:2747.4/14

Left: 5.173 $\pm$ 0.051 χ^2 /NDF: 4655.3/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.996 $\pm$ 0.074 χ^2 /NDF:2747.4/14
 Out: 5.340 $\pm$ 0.072 χ^2 /NDF:1896.7/15
 All: 5.173 $\pm$ 0.051 χ^2 /NDF: 4655.3/30

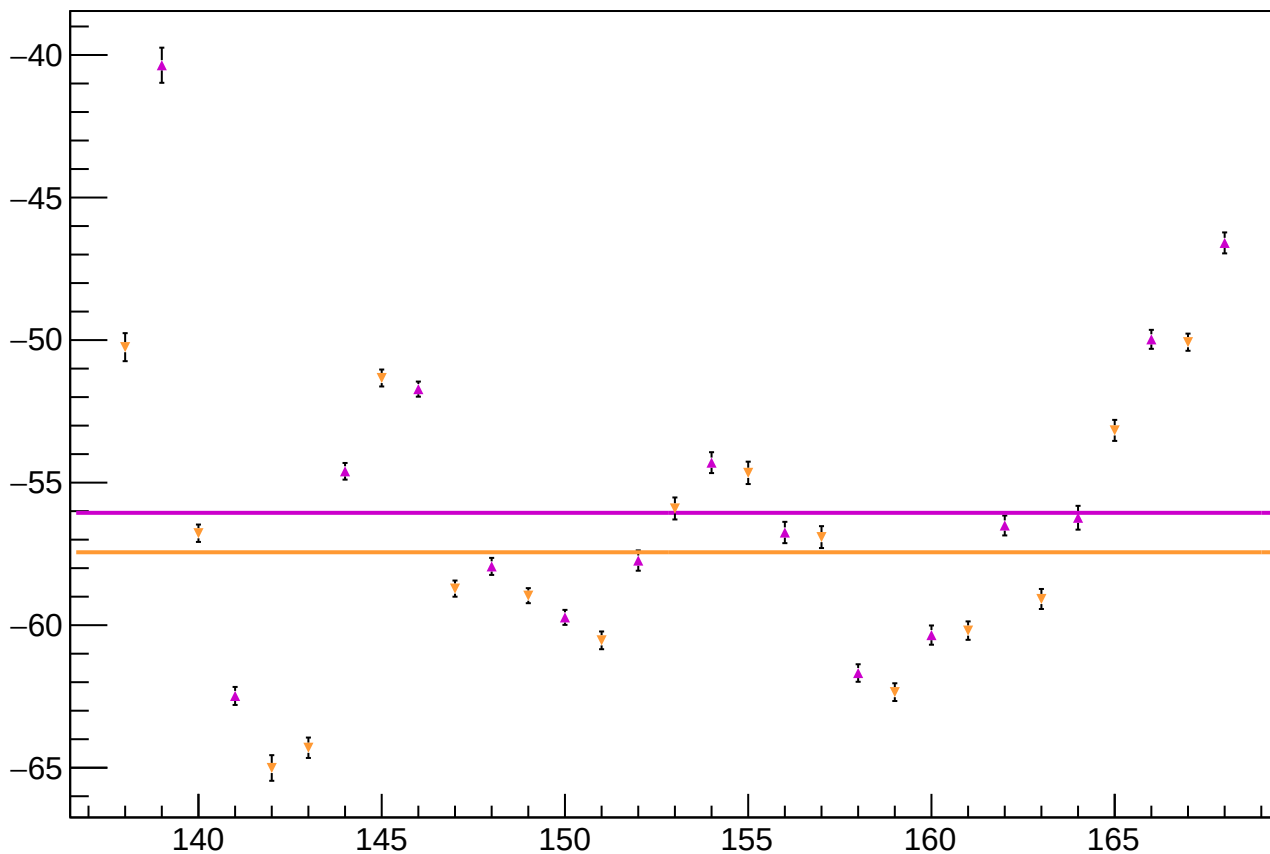
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.281+/-0.099 χ^2/NDF :2384.9/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.834+/-0.099 χ^2/NDF :2376.4/14

Left: 8.559+/-0.070 χ^2/NDF : 4776.9/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.834+/-0.099 χ^2/NDF :2376.4/14
 Out: 8.281+/-0.099 χ^2/NDF :2384.9/15
 All: 8.559+/-0.070 χ^2/NDF : 4776.9/30

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -57.443+/-0.084 χ^2/NDF :2589.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -56.059+/-0.086 χ^2/NDF :3132.5/14

Left: -56.766+/-0.060 χ^2/NDF : 5855.5/30

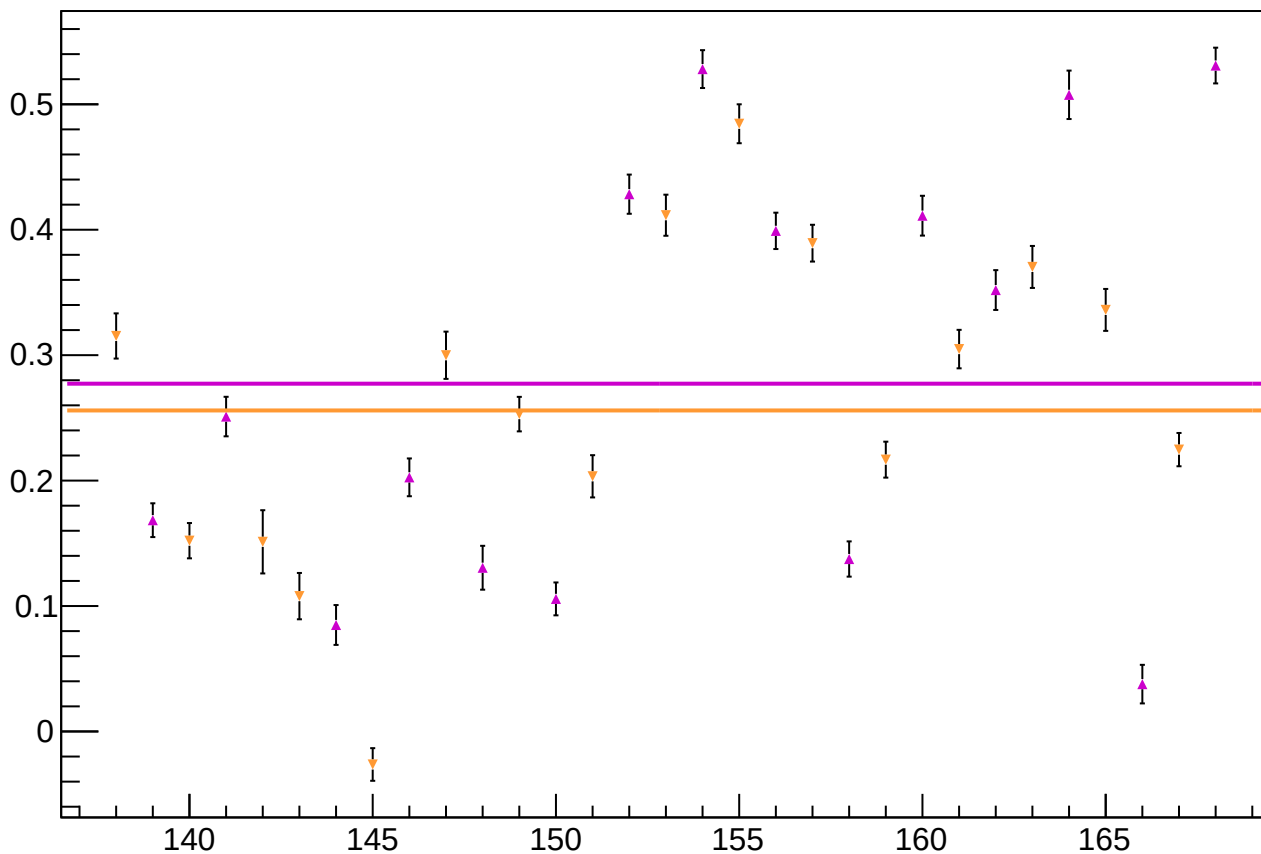
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -56.059+/-0.086 χ^2/NDF :3132.5/14

Out: -57.443+/-0.084 χ^2/NDF :2589.6/15

All: -56.766+/-0.060 χ^2/NDF : 5855.5/30

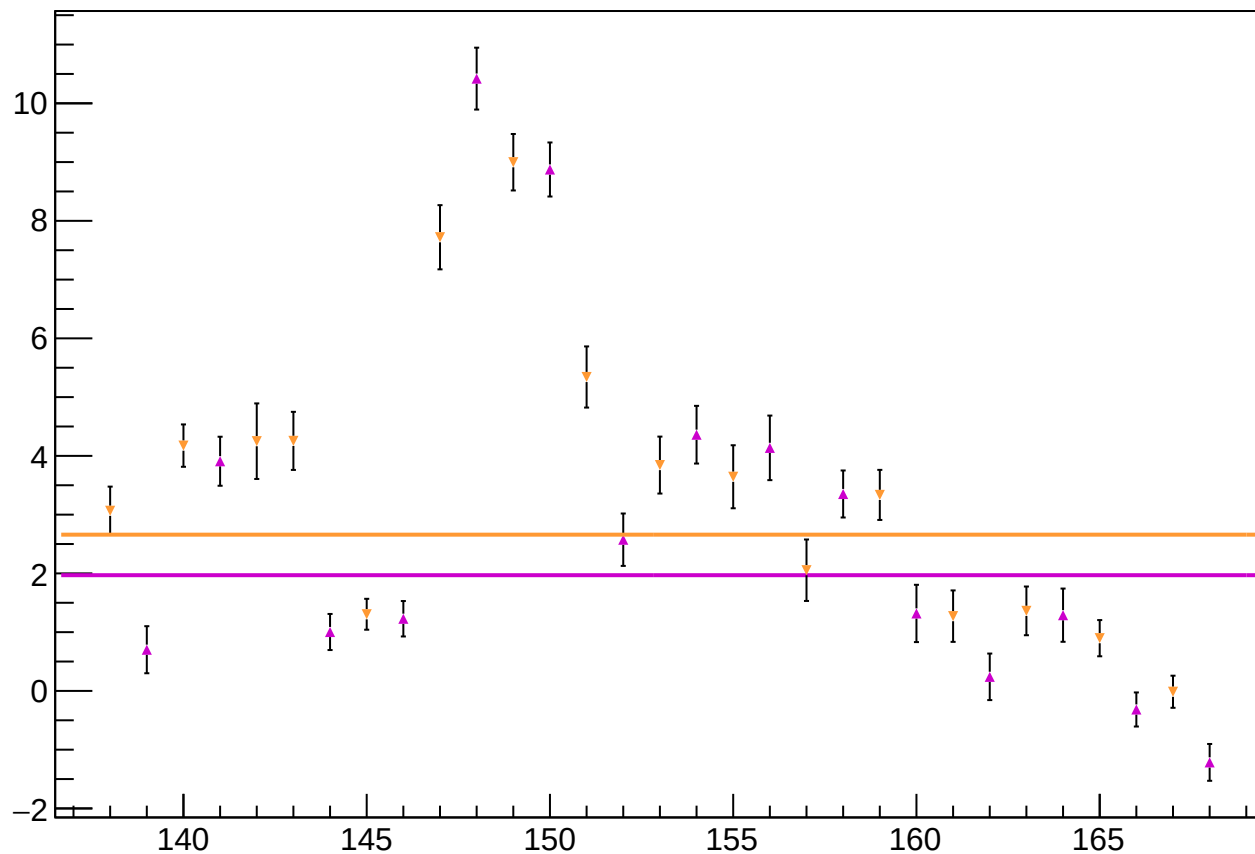
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.256 $\pm$ 0.004 χ^2 /NDF:1115.4/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.277 $\pm$ 0.004 χ^2 /NDF:1815.5/14

Left: 0.267 $\pm$ 0.003 χ^2 /NDF: 2945.7/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.277 $\pm$ 0.004 χ^2 /NDF:1815.5/14
 Out: 0.256 $\pm$ 0.004 χ^2 /NDF:1115.4/15
 All: 0.267 $\pm$ 0.003 χ^2 /NDF: 2945.7/30

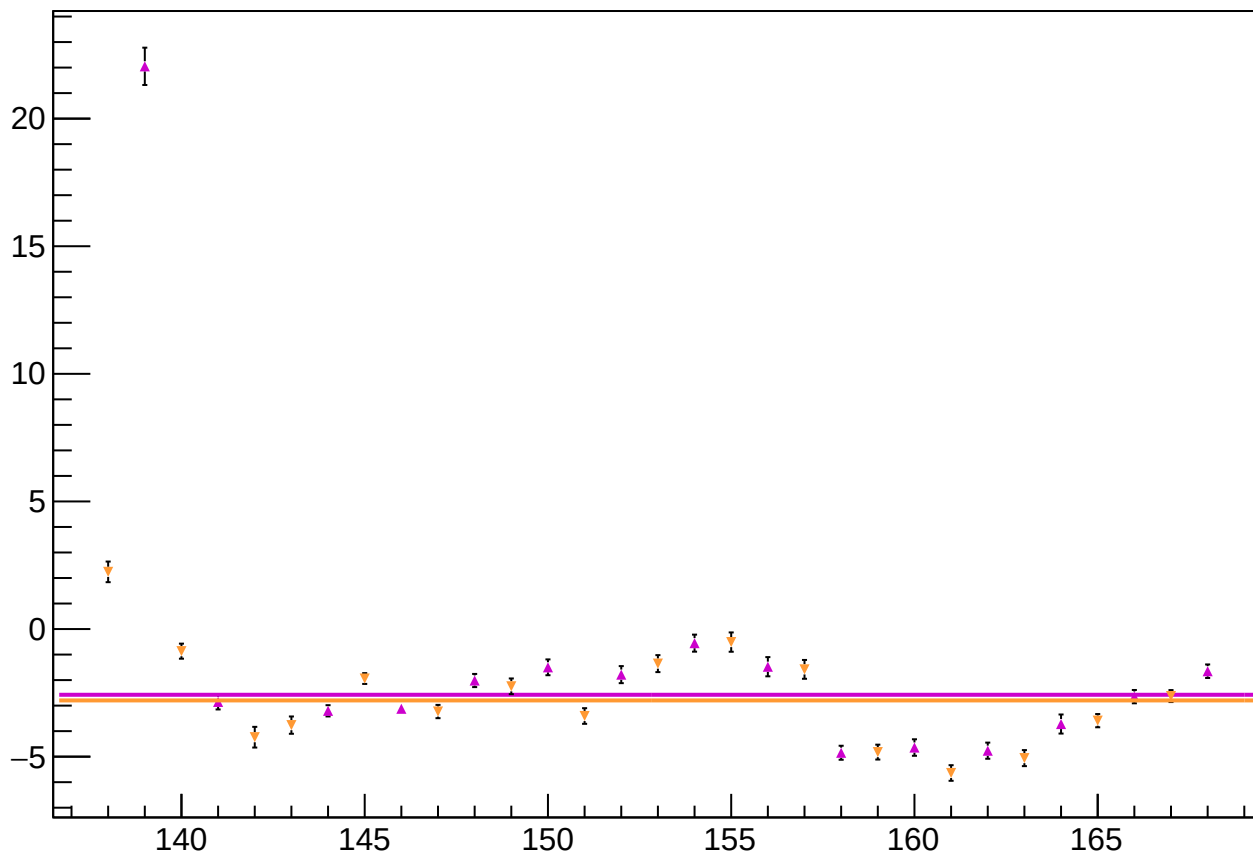
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.659+/-0.101 χ^2/NDF : 509.5/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.969+/-0.101 χ^2/NDF : 772.1/14

Left: 2.314+/-0.071 χ^2/NDF : 1304.9/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 1.969+/-0.101 χ^2/NDF : 772.1/14
 Out: 2.659+/-0.101 χ^2/NDF : 509.5/15
 All: 2.314+/-0.071 χ^2/NDF : 1304.9/30

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



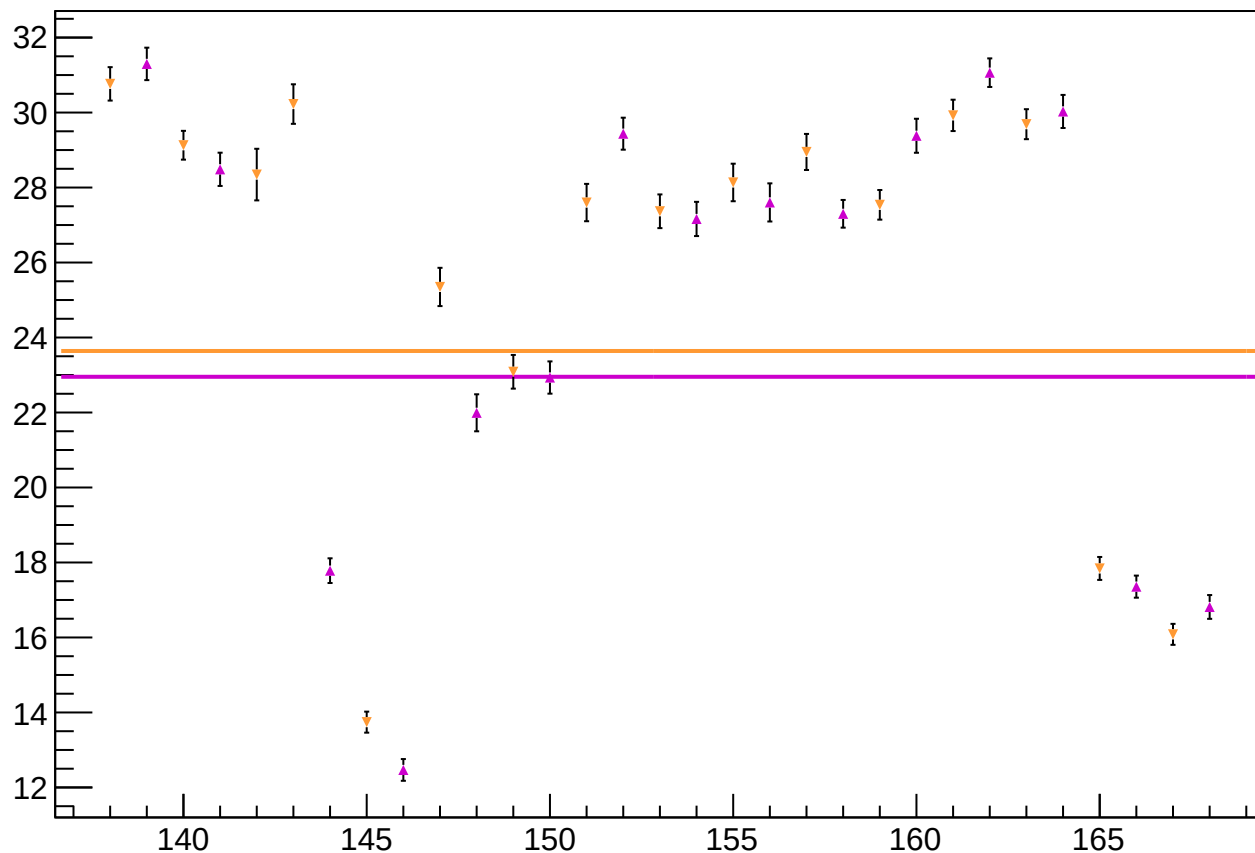
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.796+/-0.075 χ^2/NDF : 507.9/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.575+/-0.075 χ^2/NDF : 1398.2/14

Left: -2.686+/-0.053 χ^2/NDF : 1910.4/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.575+/-0.075 χ^2/NDF : 1398.2/14
 Out: -2.796+/-0.075 χ^2/NDF : 507.9/15

All: -2.686+/-0.053 χ^2/NDF : 1910.4/30

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



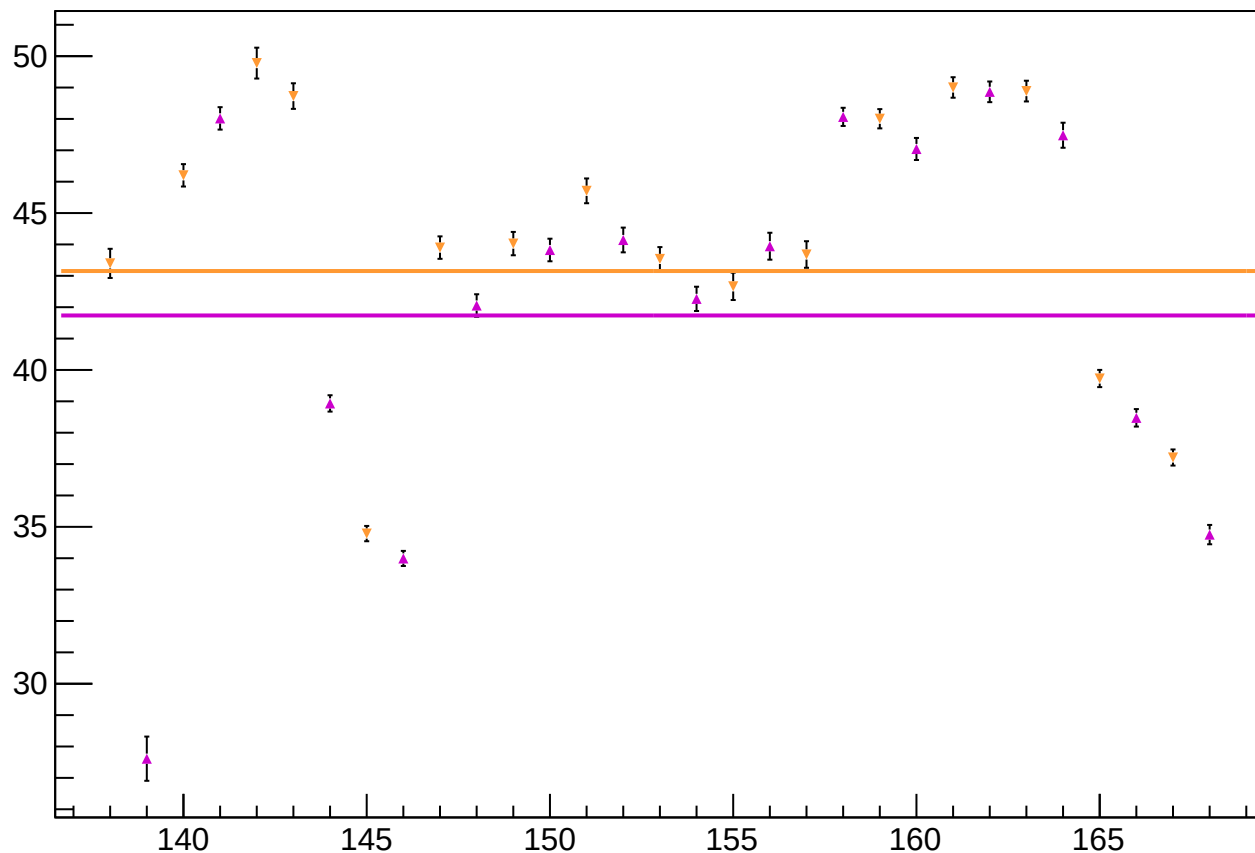
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 23.641 $\pm$ 0.101 χ^2 /NDF:3897.5/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 22.953 $\pm$ 0.100 χ^2 /NDF:4269.0/14

Left: 23.292 $\pm$ 0.071 χ^2 /NDF: 8190.0/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 22.953 $\pm$ 0.100 χ^2 /NDF:4269.0/14
 Out: 23.641 $\pm$ 0.101 χ^2 /NDF:3897.5/15

All: 23.292 $\pm$ 0.071 χ^2 /NDF: 8190.0/30

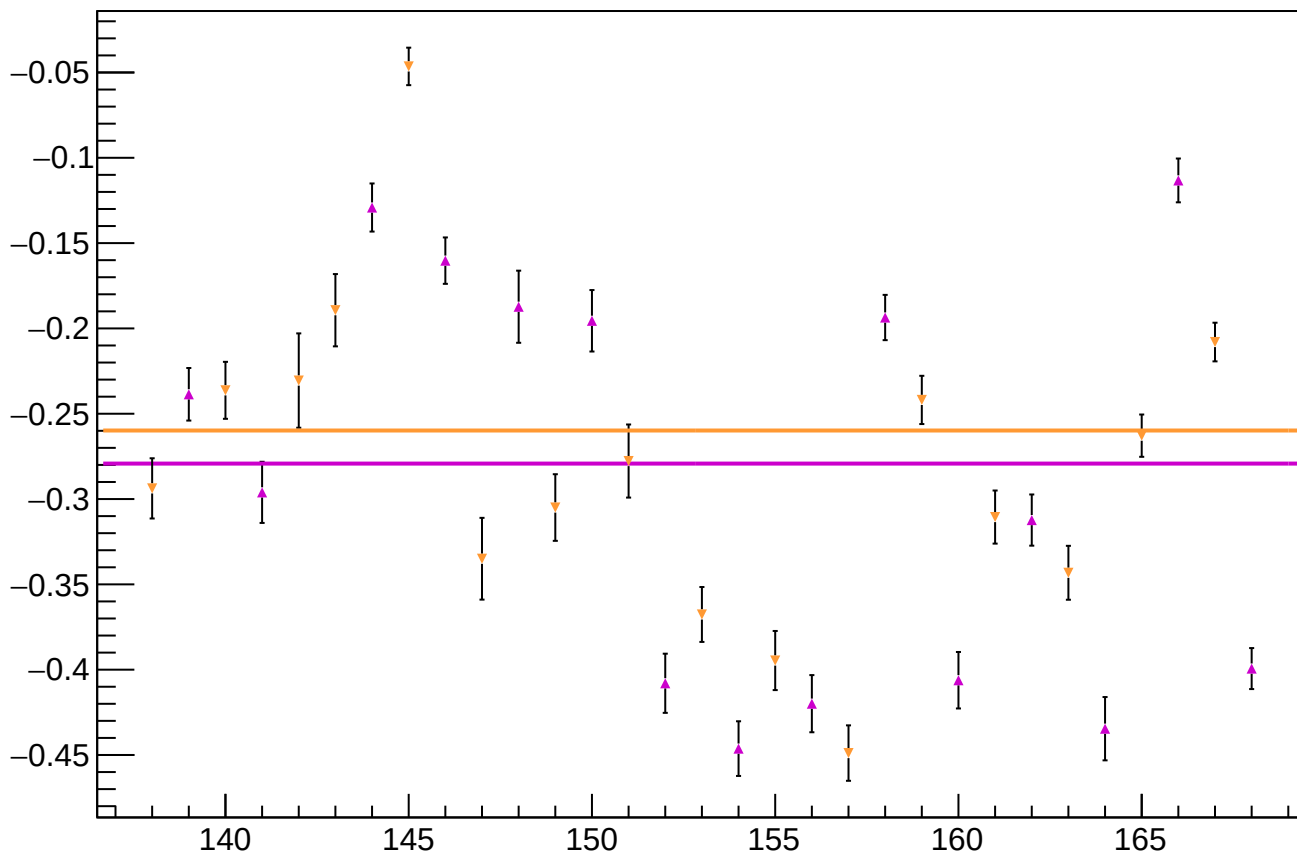
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 43.153 $\pm$ 0.086 χ^2 /NDF:3237.3/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 41.736 $\pm$ 0.086 χ^2 /NDF:3993.6/14

Left: 42.449 $\pm$ 0.061 χ^2 /NDF: 7366.8/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 41.736 $\pm$ 0.086 χ^2 /NDF:3993.6/14
 Out: 43.153 $\pm$ 0.086 χ^2 /NDF:3237.3/15
 All: 42.449 $\pm$ 0.061 χ^2 /NDF: 7366.8/30

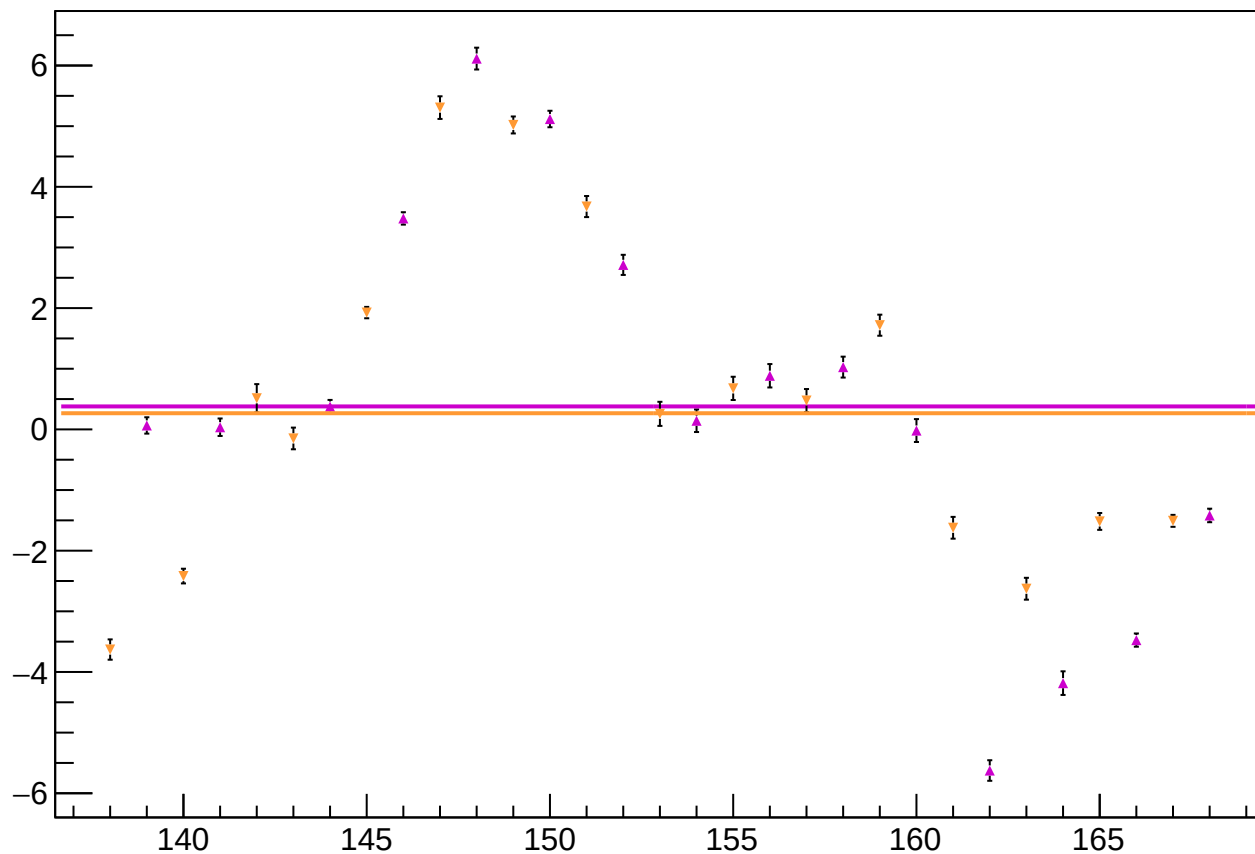
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.260 $\pm$ 0.004 χ^2 /NDF:713.1/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.279 $\pm$ 0.004 χ^2 /NDF:915.3/14

Left: -0.270 $\pm$ 0.003 χ^2 /NDF: 1640.4/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.279 $\pm$ 0.004 χ^2 /NDF:915.3/14
 Out: -0.260 $\pm$ 0.004 χ^2 /NDF:713.1/15
 All: -0.270 $\pm$ 0.003 χ^2 /NDF: 1640.4/30

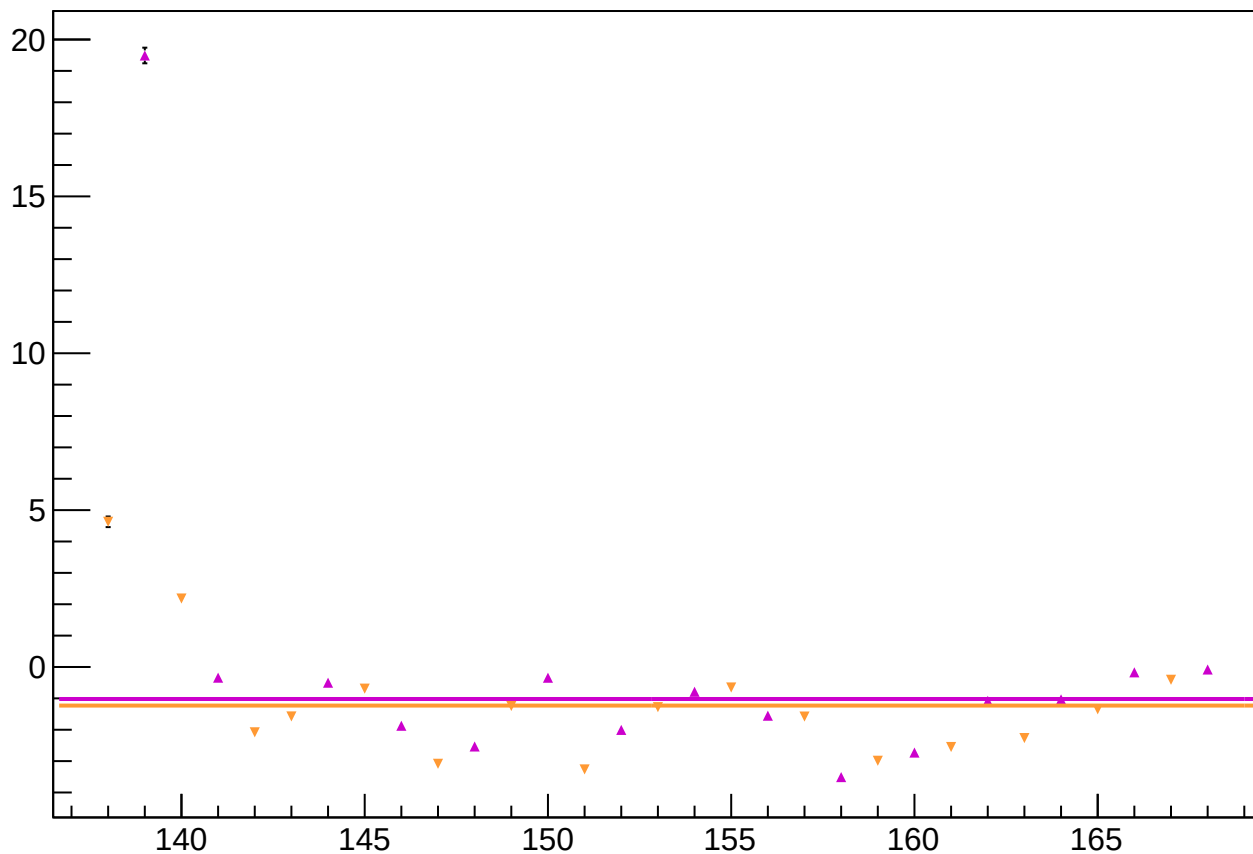
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.266 $\pm$ 0.038 χ^2 /NDF:4551.1/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.379 $\pm$ 0.037 χ^2 /NDF:6698.7/14

Left: 0.324 $\pm$ 0.026 χ^2 /NDF: 11254.3/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.379 $\pm$ 0.037 χ^2 /NDF:6698.7/14
 Out: 0.266 $\pm$ 0.038 χ^2 /NDF:4551.1/15
 All: 0.324 $\pm$ 0.026 χ^2 /NDF: 11254.3/30

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



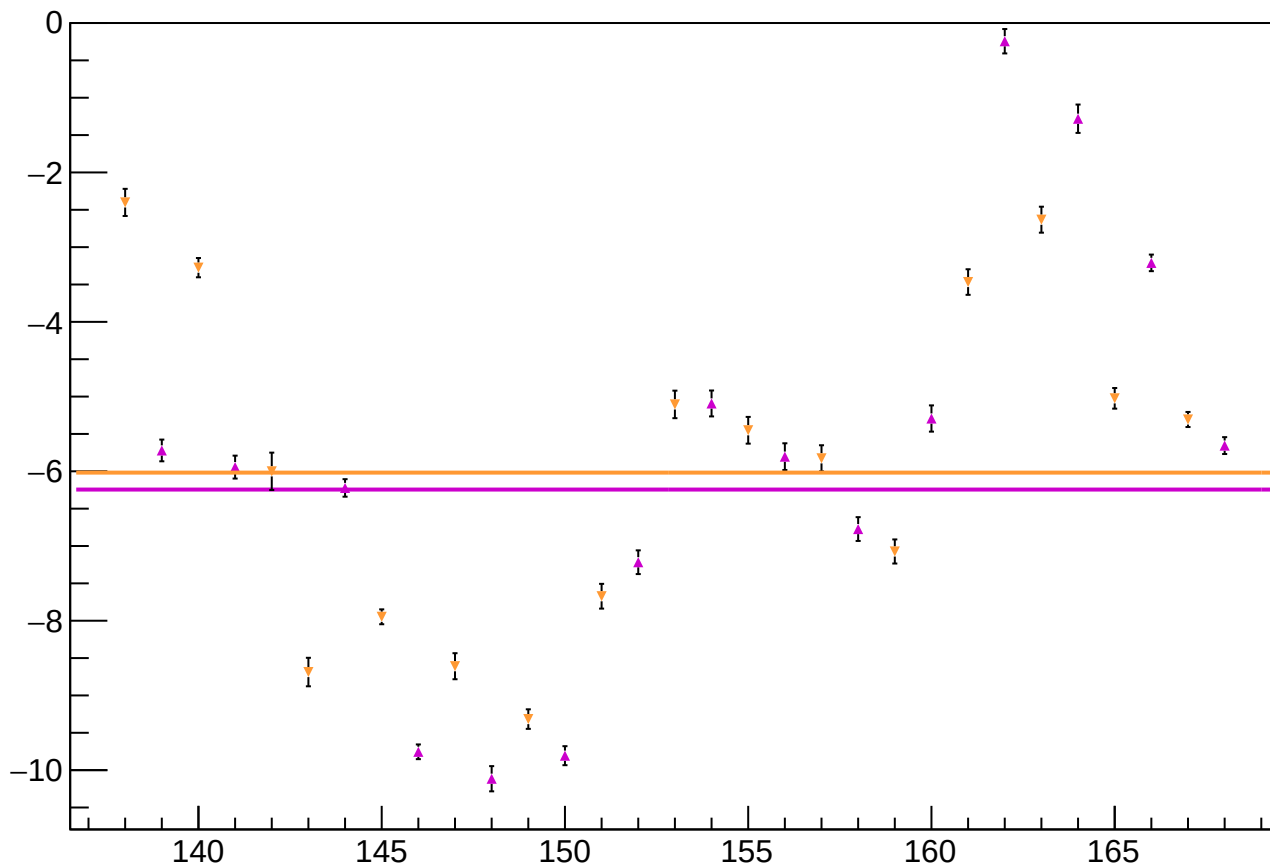
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.230+/-0.028 χ^2/NDF : 3779.3/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.020+/-0.027 χ^2/NDF : 8251.5/14

Left: -1.123+/-0.019 χ^2/NDF : 12060.3/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.020+/-0.027 χ^2/NDF : 8251.5/14
 Out: -1.230+/-0.028 χ^2/NDF : 3779.3/15

All: -1.123+/-0.019 χ^2/NDF : 12060.3/30

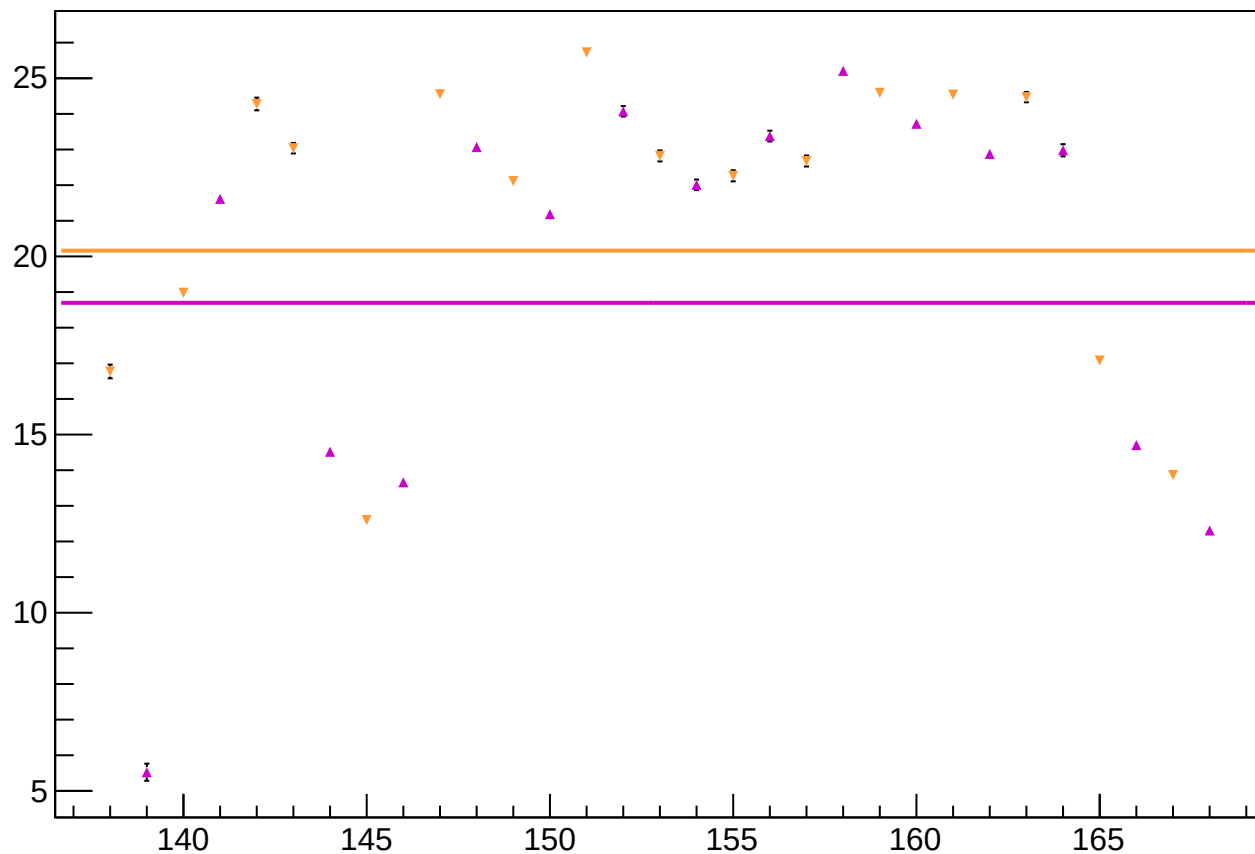
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -6.018 ± 0.037 $\chi^2/\text{NDF}: 3156.7/15$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -6.244 ± 0.036 $\chi^2/\text{NDF}: 5536.1/14$

Left: -6.135 ± 0.026 $\chi^2/\text{NDF}: 8711.7/30$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -6.244 ± 0.036 $\chi^2/\text{NDF}: 5536.1/14$
 Out: -6.018 ± 0.037 $\chi^2/\text{NDF}: 3156.7/15$
 All: -6.135 ± 0.026 $\chi^2/\text{NDF}: 8711.7/30$

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 20.162+/-0.032 χ^2/NDF :21240.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 18.698+/-0.031 χ^2/NDF :24301.0/14

Left: 19.420+/-0.022 χ^2/NDF : 46609.8/30

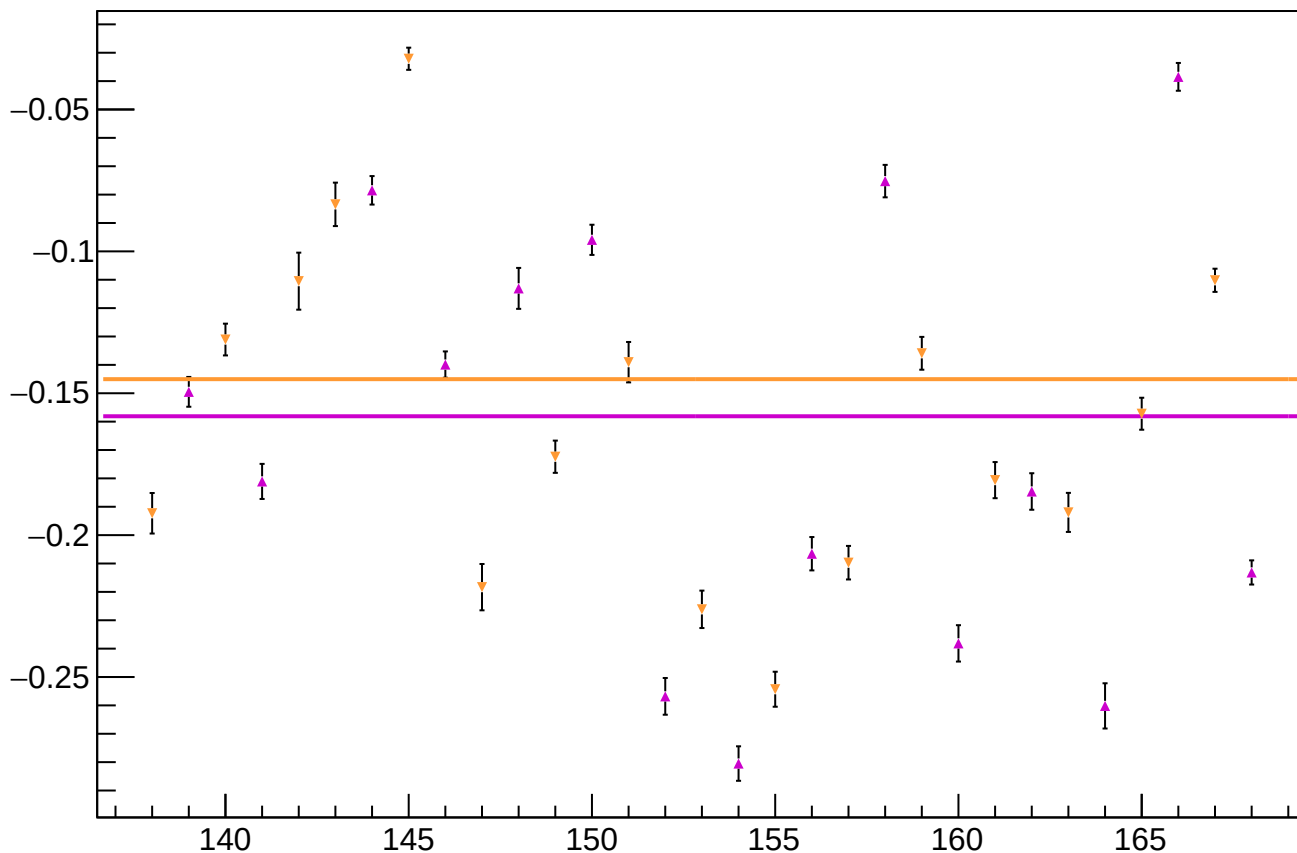
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 18.698+/-0.031 χ^2/NDF :24301.0/14

Out: 20.162+/-0.032 χ^2/NDF :21240.7/15

All: 19.420+/-0.022 χ^2/NDF : 46609.8/30

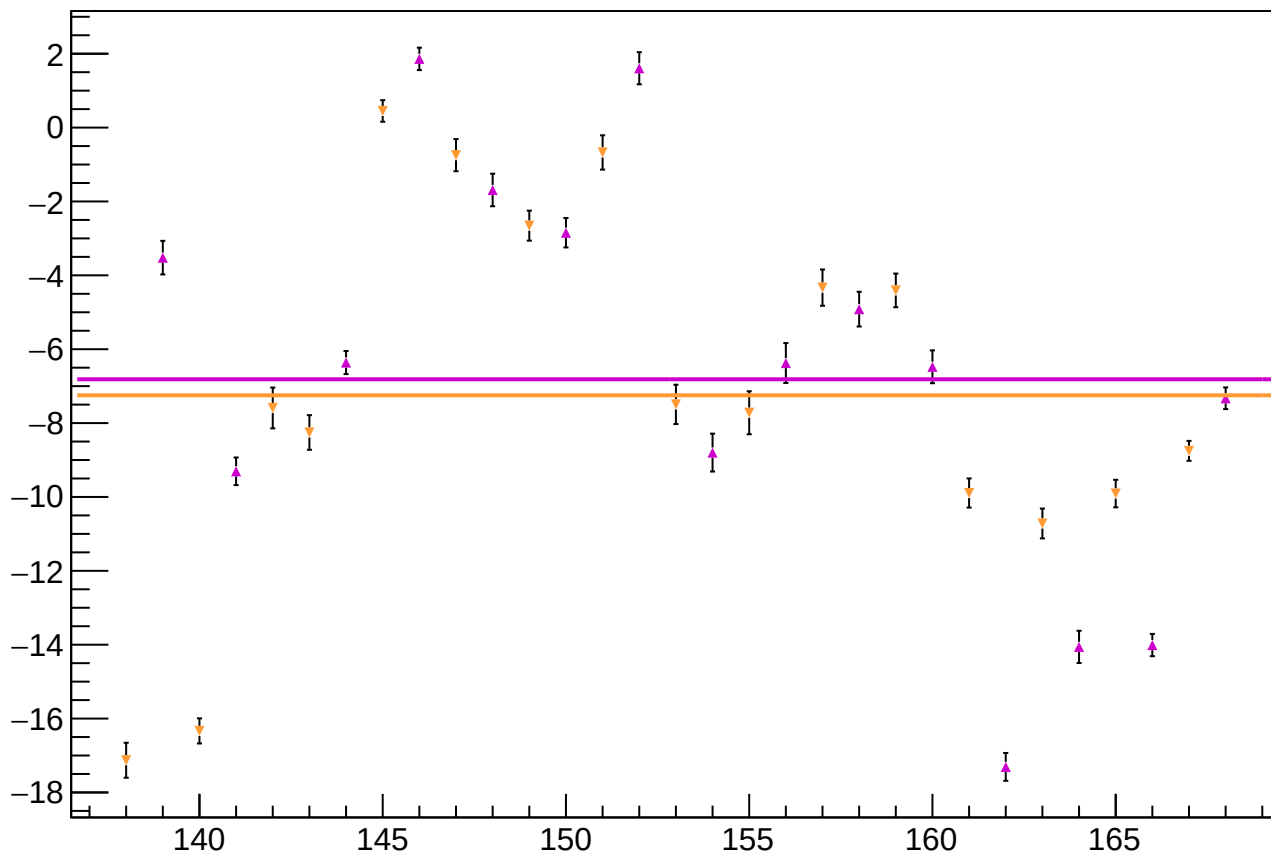
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.145+/-0.001 χ^2/NDF :1808.4/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.158+/-0.001 χ^2/NDF :2474.8/14

Left: -0.152+/-0.001 χ^2/NDF : 4322.9/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.158+/-0.001 χ^2/NDF :2474.8/14
 Out: -0.145+/-0.001 χ^2/NDF :1808.4/15
 All: -0.152+/-0.001 χ^2/NDF : 4322.9/30

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -7.248+/-0.101 χ^2/NDF :2676.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -6.814+/-0.099 χ^2/NDF :3183.2/14

Left: -7.027+/-0.071 χ^2/NDF : 5868.8/30

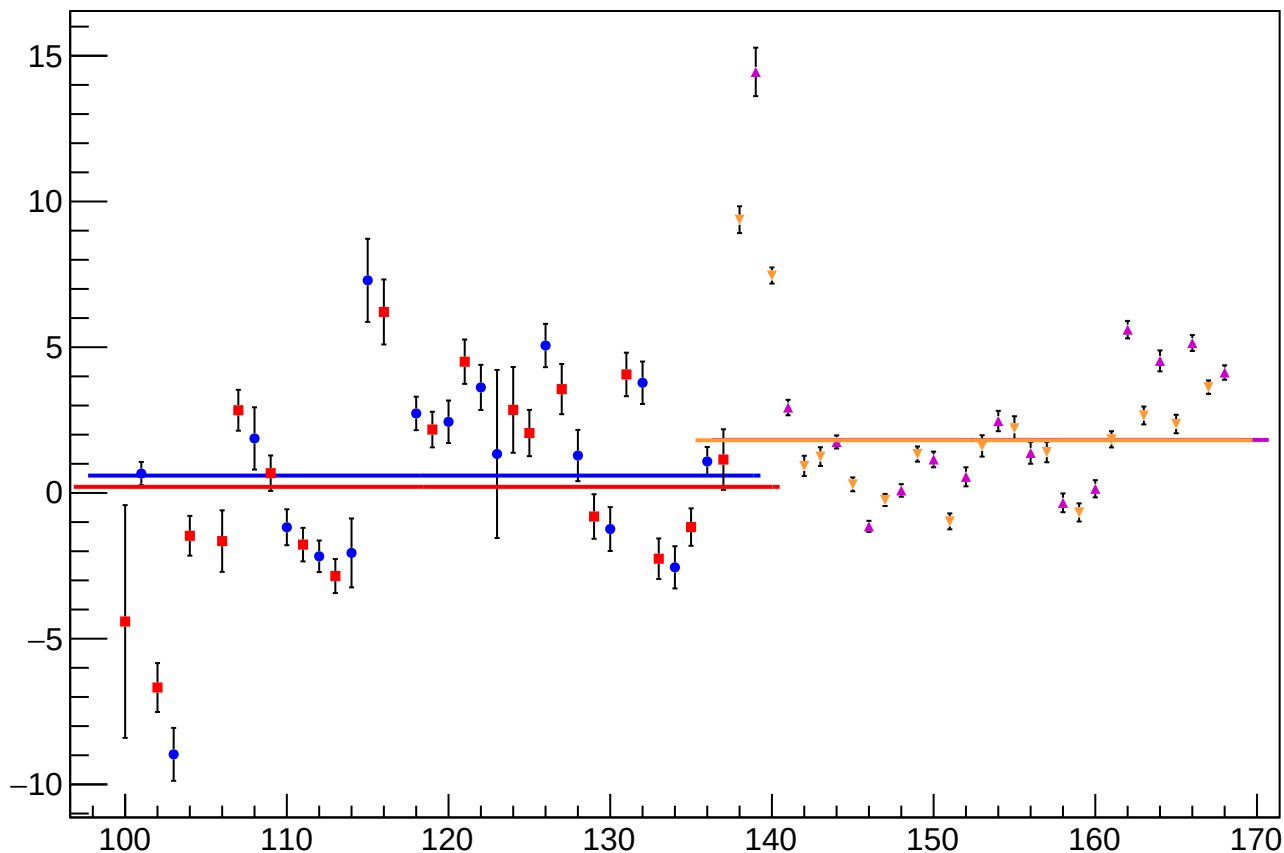
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -6.814+/-0.099 χ^2/NDF :3183.2/14

Out: -7.248+/-0.101 χ^2/NDF :2676.3/15

All: -7.027+/-0.071 χ^2/NDF : 5868.8/30

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.596 $\pm$ 0.169 χ^2 /NDF: 291.2/16

Left Out: 1.808 $\pm$ 0.073 χ^2 /NDF:1082.4/15

Right Out: 0.209 $\pm$ 0.175 χ^2 /NDF: 273.5/18

Left In: 1.820 $\pm$ 0.072 χ^2 /NDF:1109.5/14

Left: 1.814 $\pm$ 0.051 χ^2 /NDF: 2191.9/30

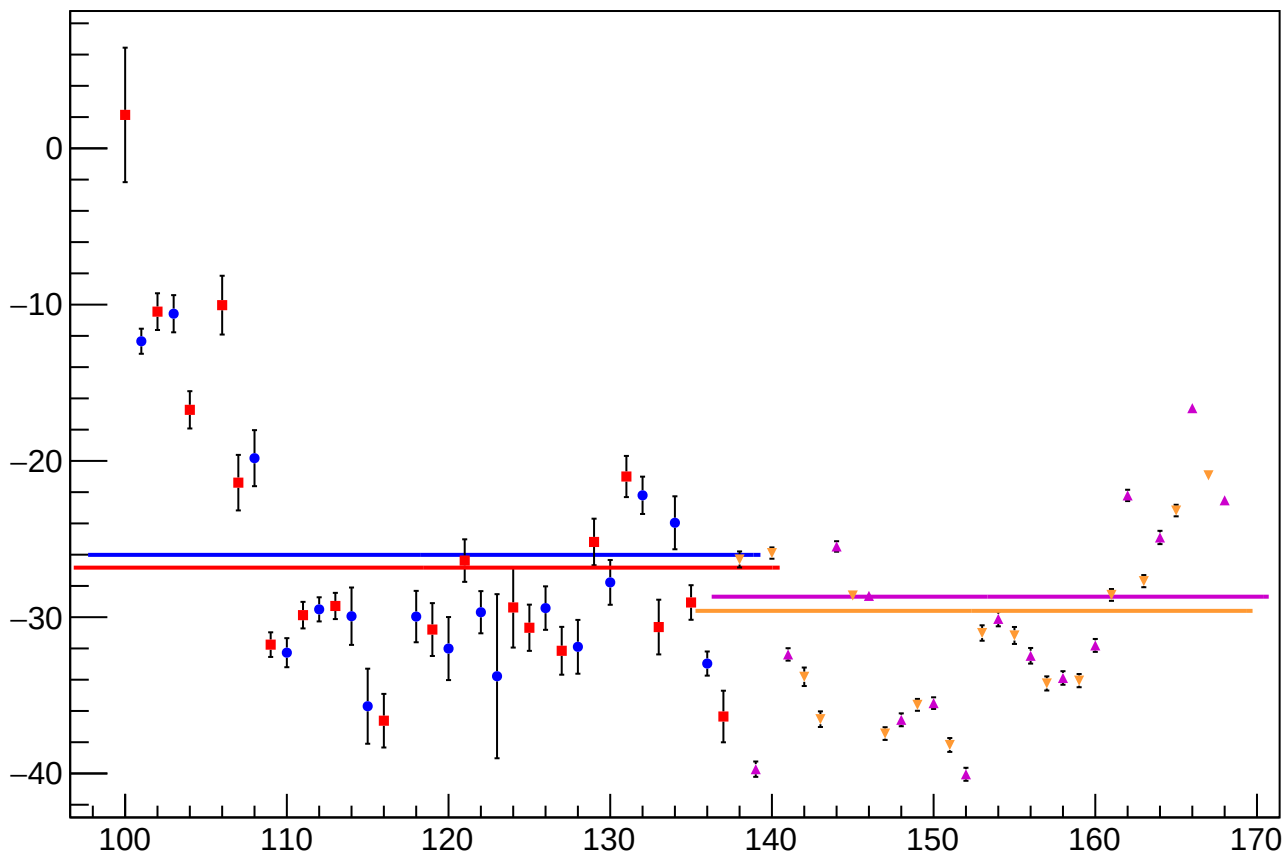
Right: 0.409 $\pm$ 0.121 χ^2 /NDF: 567.2/35

In: 1.632 $\pm$ 0.066 χ^2 /NDF:1445.0/31

Out: 1.571 $\pm$ 0.067 χ^2 /NDF:1427.2/34

All: 1.602 $\pm$ 0.047 χ^2 /NDF: 2872.7/66

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -26.012 ± 0.300 χ^2/NDF : 692.9/16

Left Out: -29.595 ± 0.101 χ^2/NDF : 2946.2/15

Right Out: -26.829 ± 0.297 χ^2/NDF : 581.6/18

Left In: -28.688 ± 0.098 χ^2/NDF : 4765.3/14

Left: -29.128 ± 0.070 χ^2/NDF : 7753.2/30

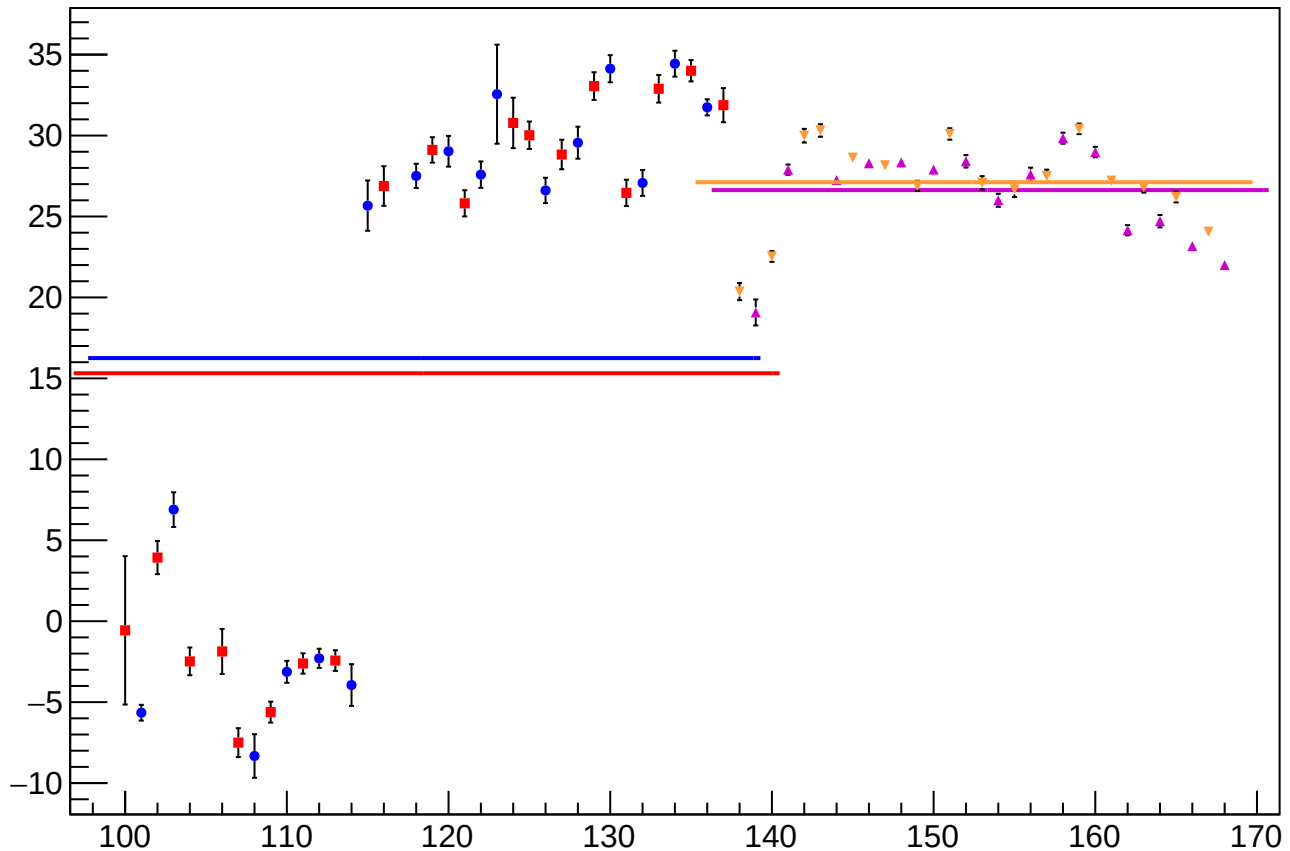
Right: -26.423 ± 0.211 χ^2/NDF : 1278.3/35

In: -28.430 ± 0.093 χ^2/NDF : 5530.3/31

Out: -29.311 ± 0.095 χ^2/NDF : 3605.3/34

All: -28.859 ± 0.067 χ^2/NDF : 9179.4/66

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.253 $\pm$ 0.191 χ^2 /NDF: 7611.3/16

Left Out: 27.116 $\pm$ 0.085 χ^2 /NDF: 837.8/15

Right Out: 15.318 $\pm$ 0.197 χ^2 /NDF: 7280.1/18

Left In: 26.630 $\pm$ 0.084 χ^2 /NDF: 864.4/14

Left: 26.871 $\pm$ 0.060 χ^2 /NDF: 1718.9/30

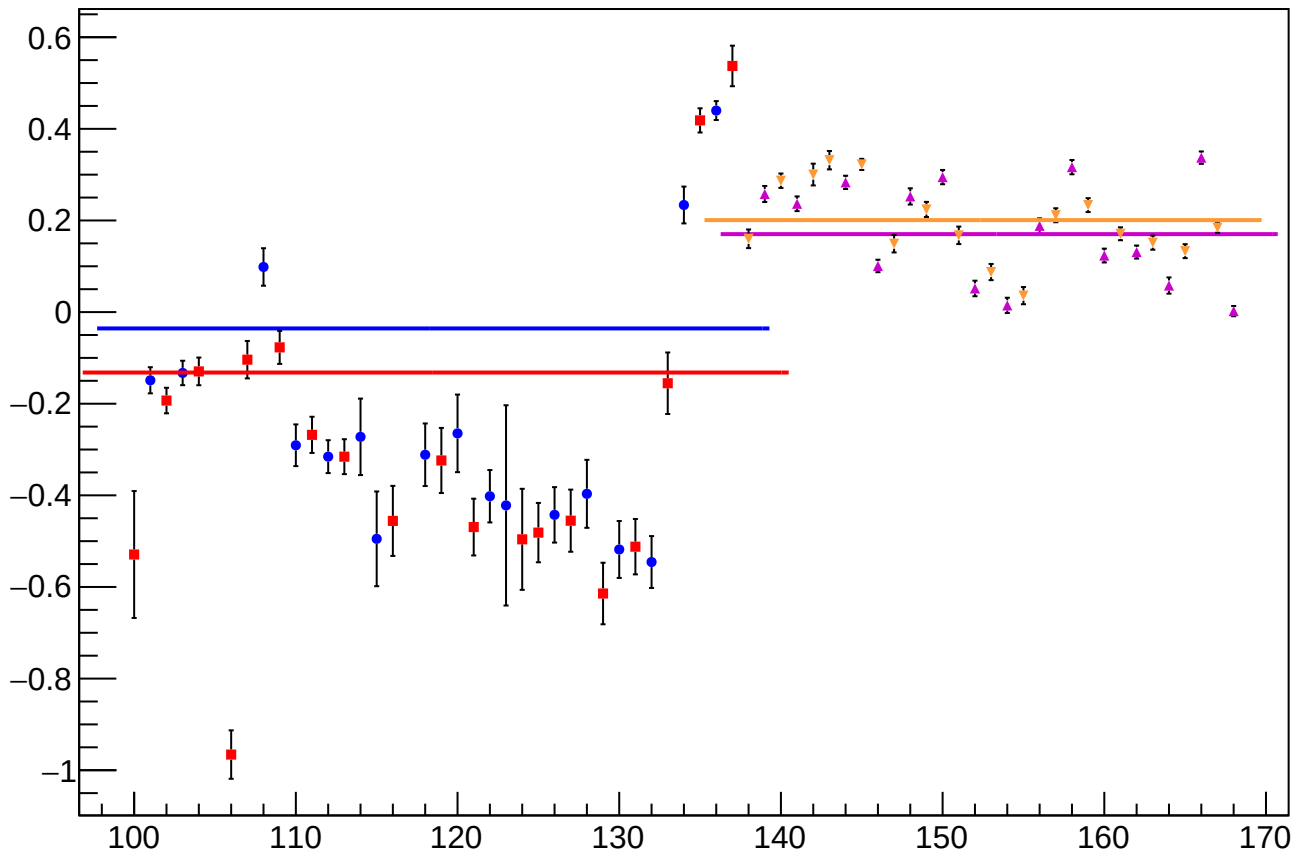
Right: 15.800 $\pm$ 0.137 χ^2 /NDF: 14903.0/35

In: 24.952 $\pm$ 0.077 χ^2 /NDF: 10949.6/31

Out: 25.280 $\pm$ 0.078 χ^2 /NDF: 11146.6/34

All: 25.114 $\pm$ 0.055 χ^2 /NDF: 22105.1/66

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.036 ± 0.010 χ^2/NDF : 1014.5/16

Left Out: 0.201 ± 0.004 χ^2/NDF : 366.4/15

Right Out: -0.132 ± 0.010 χ^2/NDF : 1171.3/18

Left In: 0.170 ± 0.004 χ^2/NDF : 873.5/14

Left: 0.185 ± 0.003 χ^2/NDF : 1269.9/30

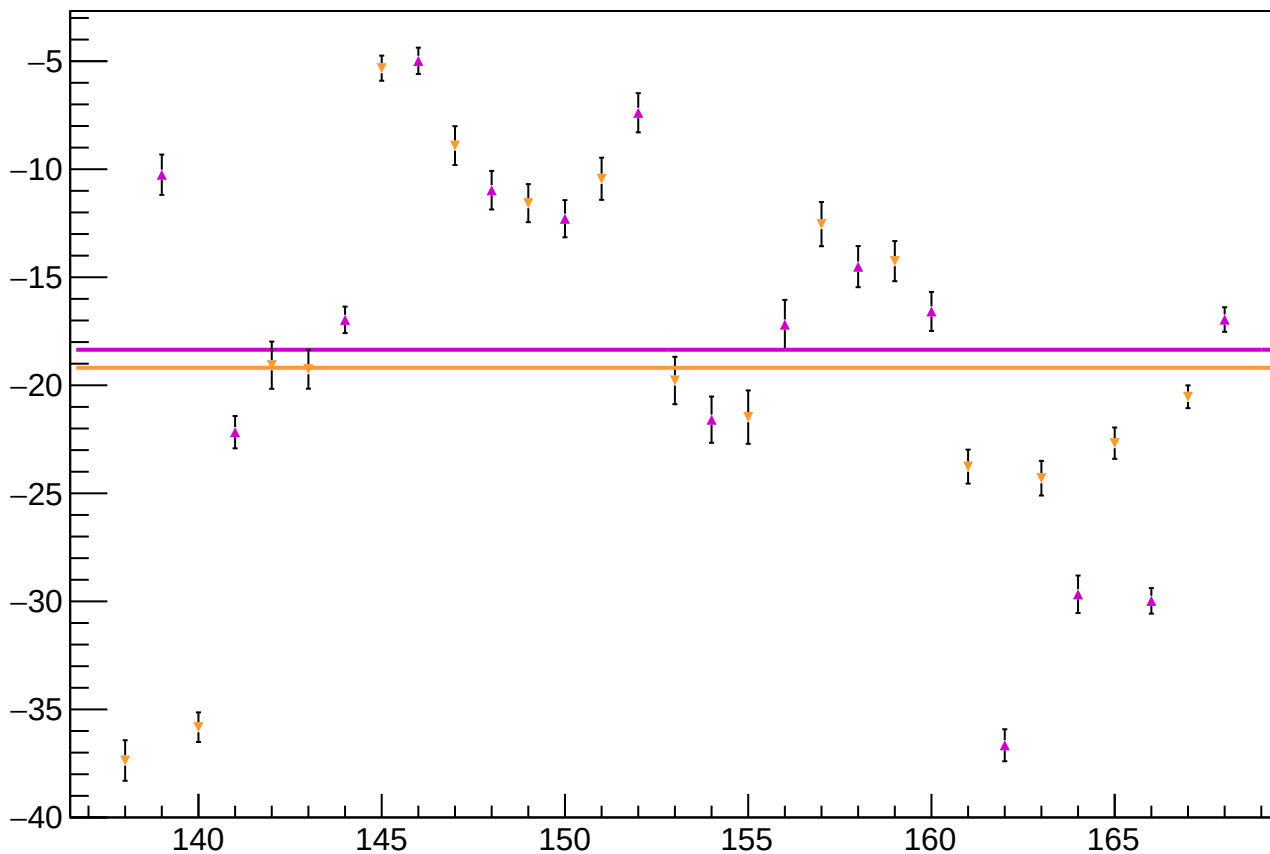
Right: -0.084 ± 0.007 χ^2/NDF : 2229.1/35

In: 0.144 ± 0.004 χ^2/NDF : 2236.3/31

Out: 0.158 ± 0.004 χ^2/NDF : 2436.2/34

All: 0.151 ± 0.003 χ^2/NDF : 4679.2/66

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -19.189 ± 0.203 χ^2/NDF : 1997.9/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -18.354 ± 0.199 χ^2/NDF : 2053.7/14

Left: -18.763 ± 0.142 χ^2/NDF : 4060.2/30

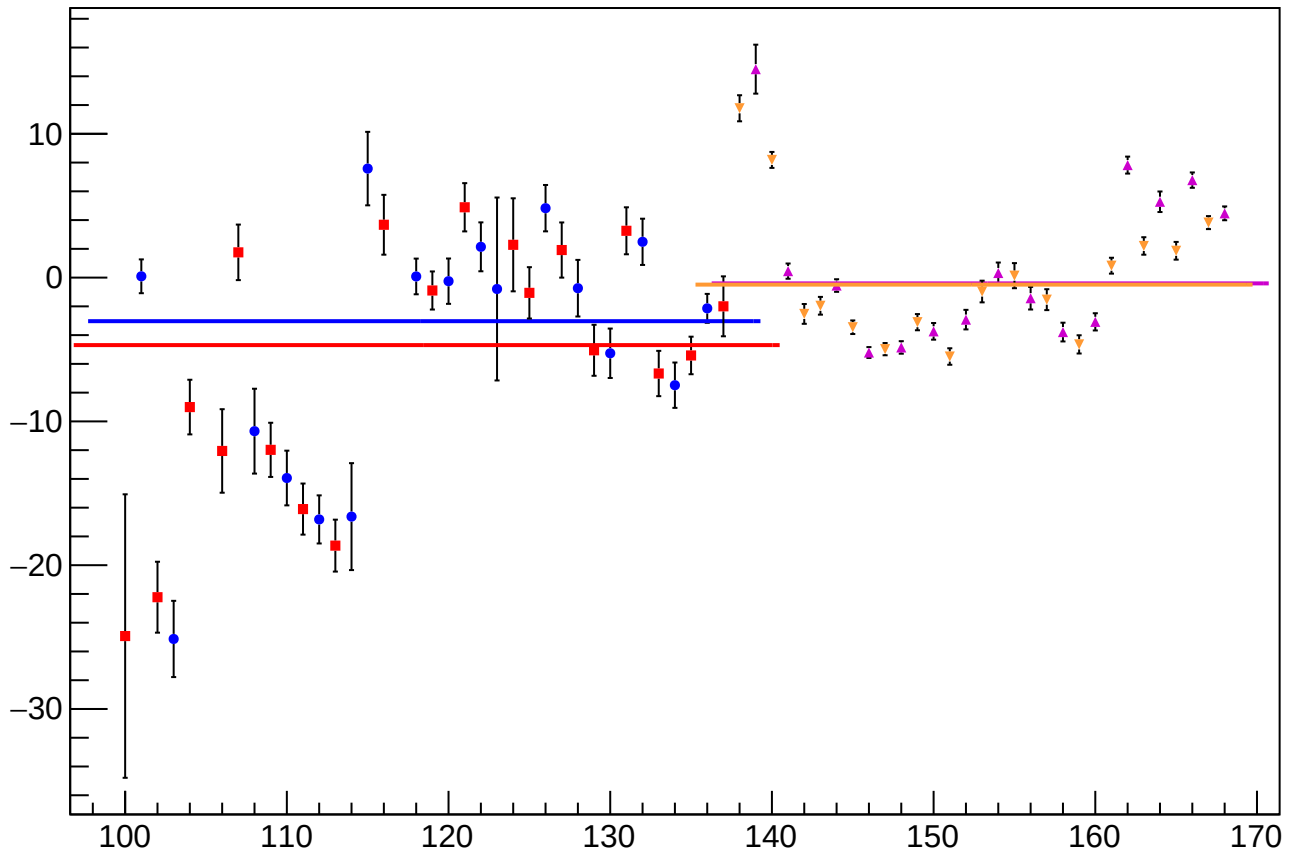
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -18.354 ± 0.199 χ^2/NDF : 2053.7/14

Out: -19.189 ± 0.203 χ^2/NDF : 1997.9/15

All: -18.763 ± 0.142 χ^2/NDF : 4060.2/30

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.030 ± 0.408 χ^2/NDF : 280.8/16

Left Out: -0.487 ± 0.147 χ^2/NDF : 866.1/15

Right Out: -4.694 ± 0.427 χ^2/NDF : 298.3/18

Left In: -0.402 ± 0.144 χ^2/NDF : 984.0/14

Left: -0.444 ± 0.103 χ^2/NDF : 1850.3/30

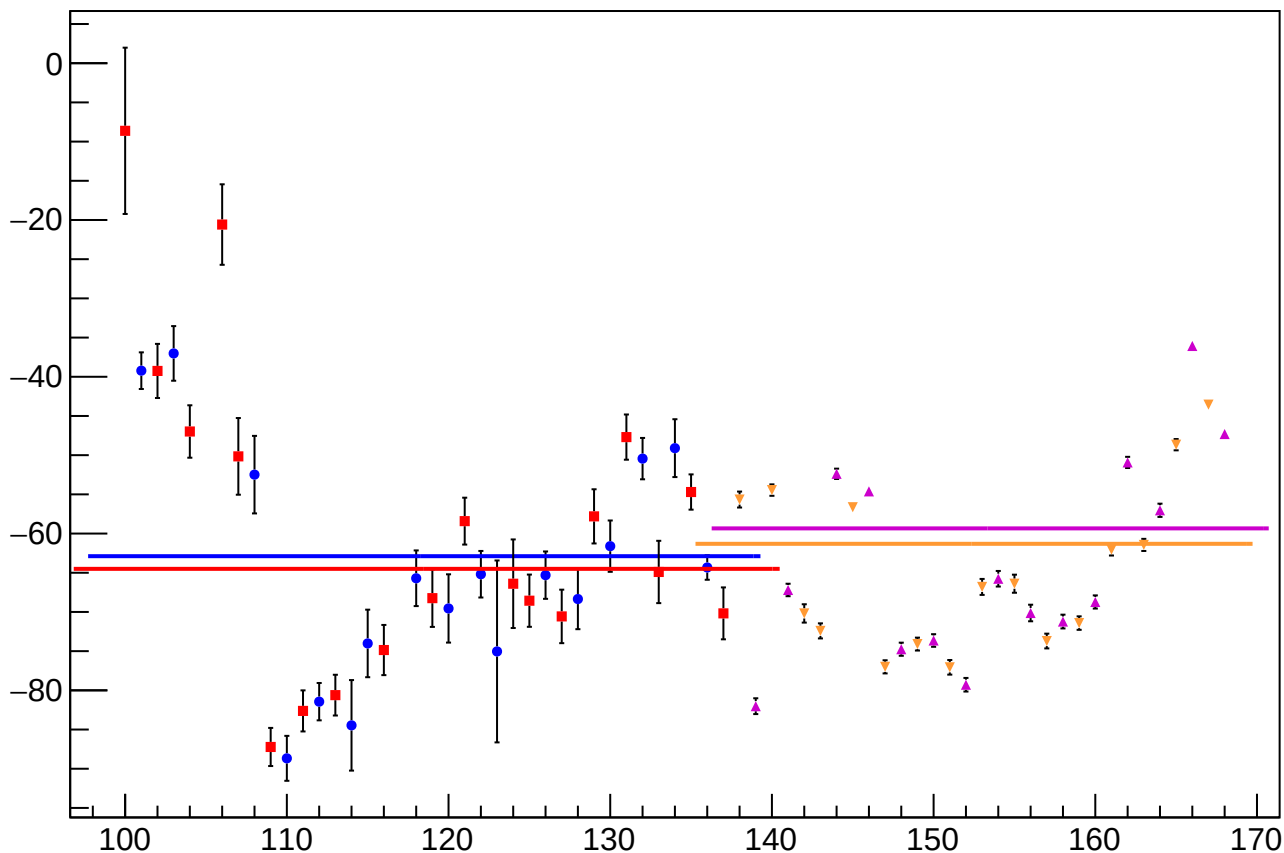
Right: -3.824 ± 0.295 χ^2/NDF : 587.0/35

In: -0.696 ± 0.136 χ^2/NDF : 1301.7/31

Out: -0.933 ± 0.139 χ^2/NDF : 1251.3/34

All: -0.812 ± 0.097 χ^2/NDF : 2554.5/66

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.887 ± 0.738 χ^2/NDF : 368.7/16

Left Out: -61.308 ± 0.203 χ^2/NDF : 2996.9/15

Right Out: -64.502 ± 0.751 χ^2/NDF : 444.1/18

Left In: -59.341 ± 0.197 χ^2/NDF : 4494.5/14

Left: -60.295 ± 0.141 χ^2/NDF : 7539.9/30

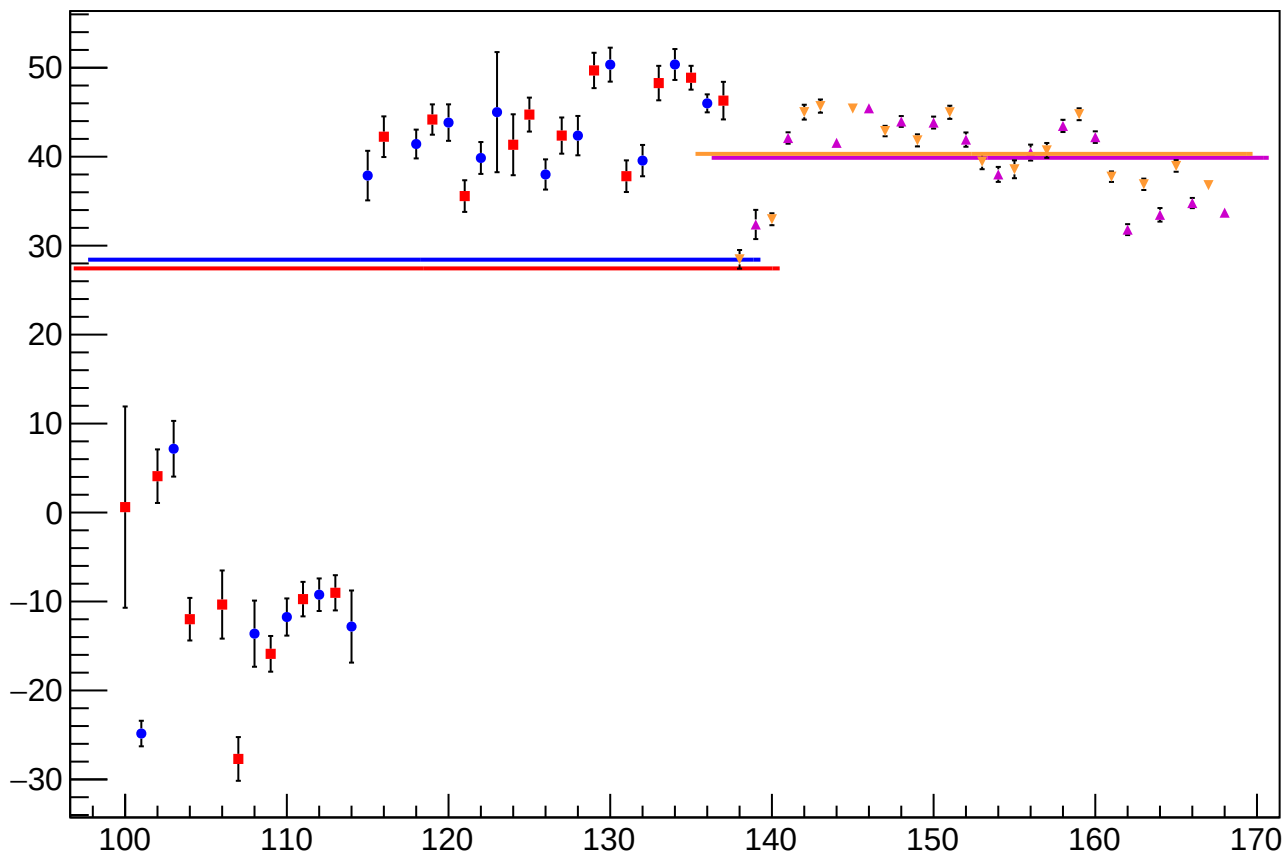
Right: -63.680 ± 0.526 χ^2/NDF : 815.2/35

In: -59.576 ± 0.190 χ^2/NDF : 4884.7/31

Out: -61.525 ± 0.196 χ^2/NDF : 3457.9/34

All: -60.522 ± 0.136 χ^2/NDF : 8393.6/66

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.425 $\pm$ 0.457 χ^2 /NDF: 3330.3/16

Left Out: 40.318 $\pm$ 0.170 χ^2 /NDF: 633.8/15

Right Out: 27.441 $\pm$ 0.479 χ^2 /NDF: 3033.0/18

Left In: 39.876 $\pm$ 0.169 χ^2 /NDF: 755.4/14

Left: 40.095 $\pm$ 0.120 χ^2 /NDF: 1392.7/30

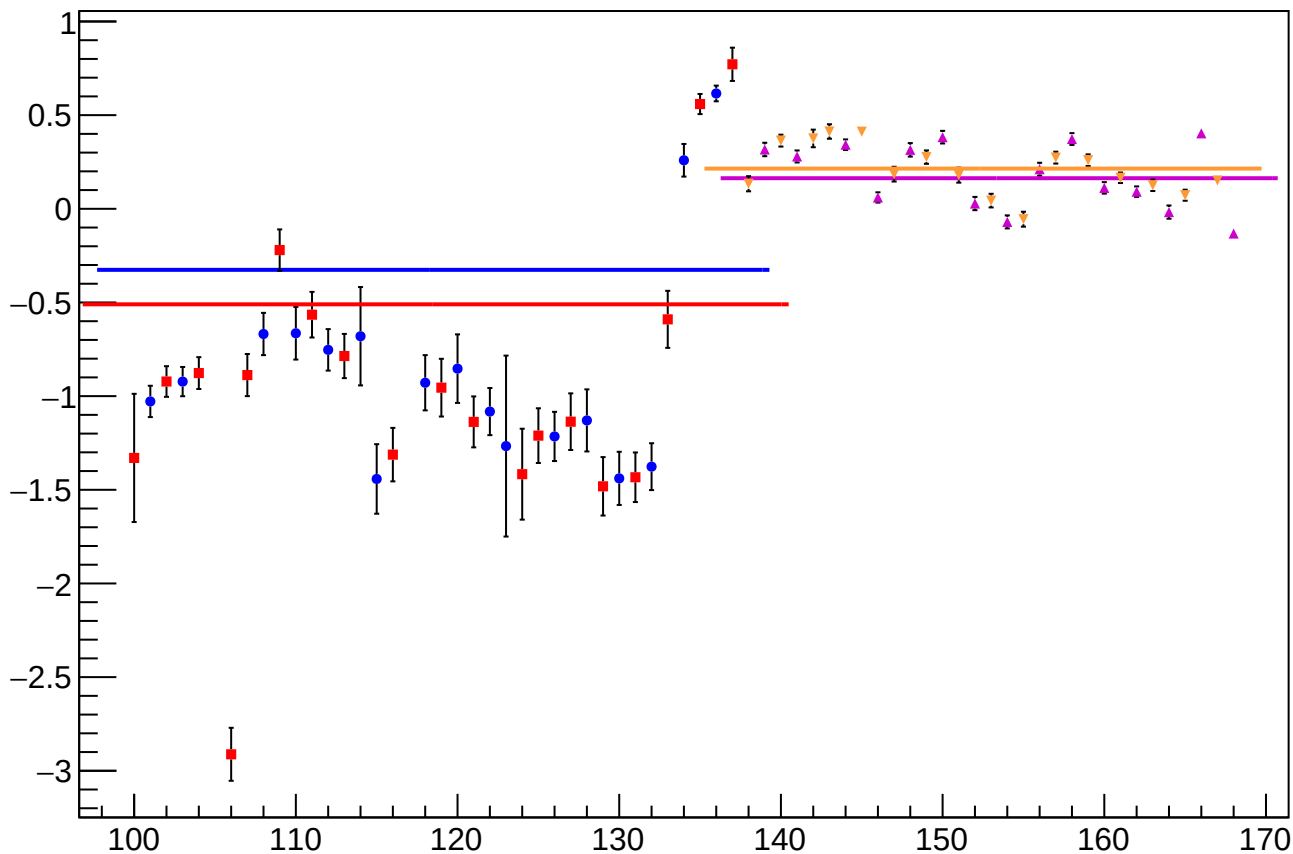
Right: 27.956 $\pm$ 0.331 χ^2 /NDF: 6365.5/35

In: 38.504 $\pm$ 0.158 χ^2 /NDF: 4638.2/31

Out: 38.869 $\pm$ 0.161 χ^2 /NDF: 4309.1/34

All: 38.684 $\pm$ 0.113 χ^2 /NDF: 8949.9/66

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.326 ± 0.025 χ^2/NDF : 1013.0/16

Left Out: 0.215 ± 0.008 χ^2/NDF : 251.0/15

Right Out: -0.510 ± 0.026 χ^2/NDF : 1169.4/18

Left In: 0.163 ± 0.008 χ^2/NDF : 552.0/14

Left: 0.188 ± 0.006 χ^2/NDF : 823.8/30

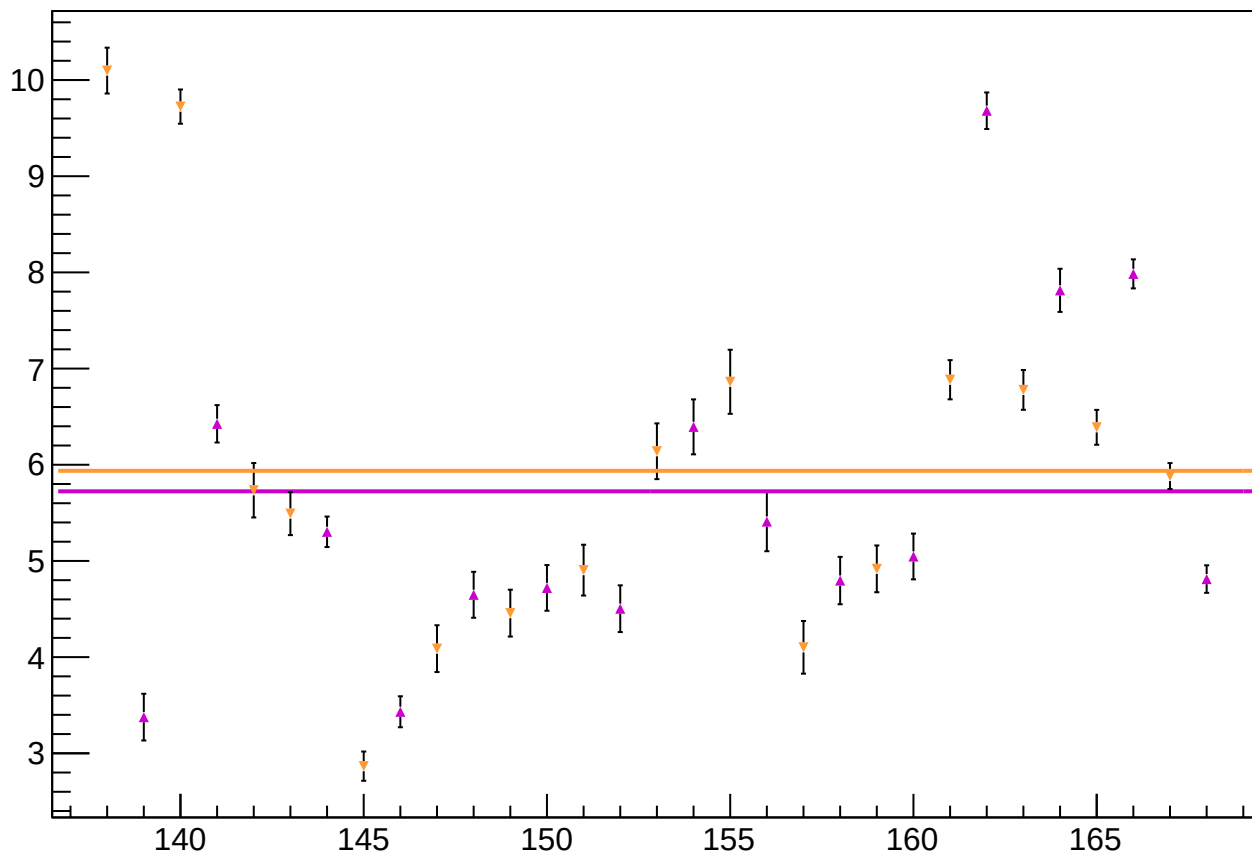
Right: -0.415 ± 0.018 χ^2/NDF : 2208.8/35

In: 0.119 ± 0.008 χ^2/NDF : 1915.8/31

Out: 0.150 ± 0.008 χ^2/NDF : 2144.5/34

All: 0.134 ± 0.005 χ^2/NDF : 4068.8/66

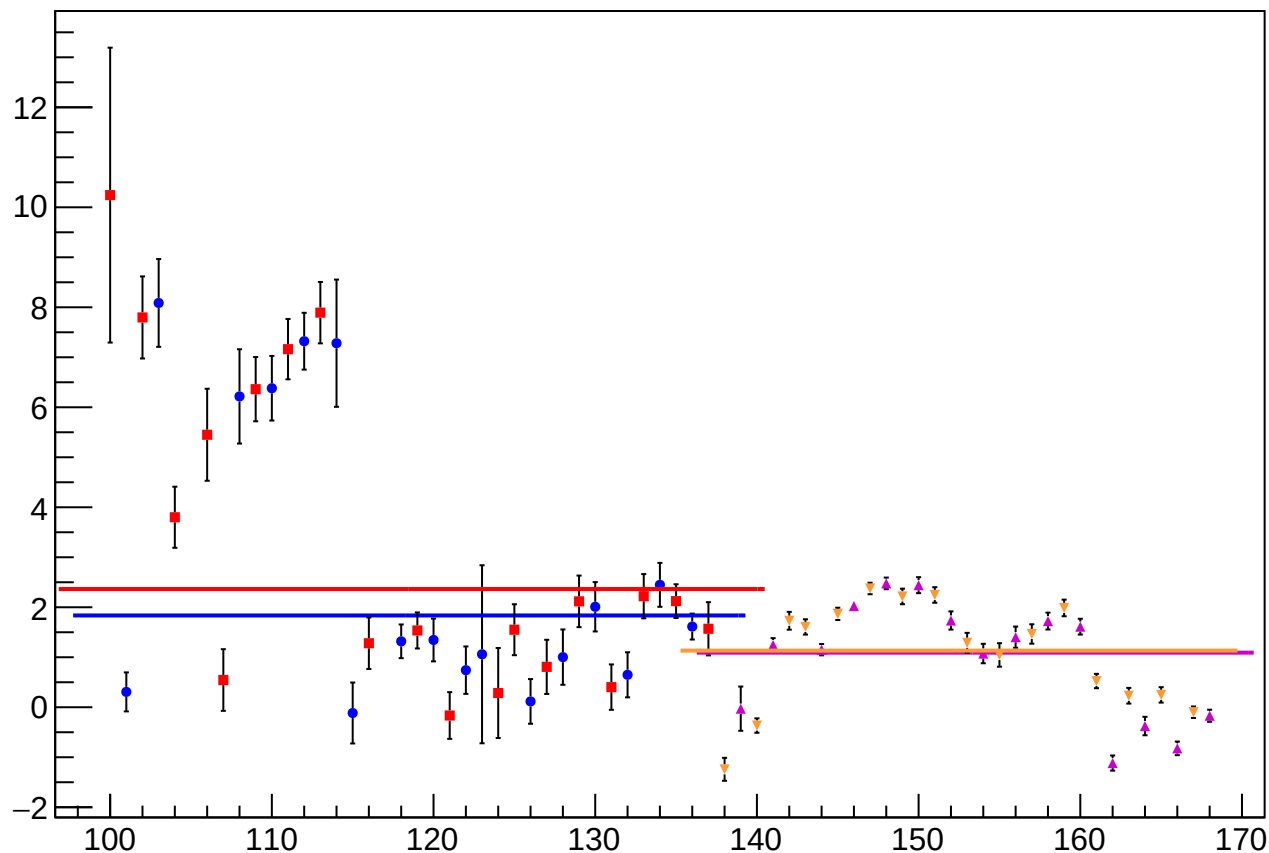
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.937+/-0.053 χ^2/NDF :1394.1/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.724+/-0.052 χ^2/NDF :1194.4/14

Left: 5.828+/-0.037 χ^2/NDF : 2596.8/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 5.724+/-0.052 χ^2/NDF :1194.4/14
 Out: 5.937+/-0.053 χ^2/NDF :1394.1/15
 All: 5.828+/-0.037 χ^2/NDF : 2596.8/30

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.836 $\pm$ 0.116 χ^2 /NDF: 294.9/16

Left Out: 1.133 $\pm$ 0.038 χ^2 /NDF: 716.7/15

Right Out: 2.365 $\pm$ 0.123 χ^2 /NDF: 336.4/18

Left In: 1.092 $\pm$ 0.038 χ^2 /NDF: 933.8/14

Left: 1.112 $\pm$ 0.027 χ^2 /NDF: 1651.1/30

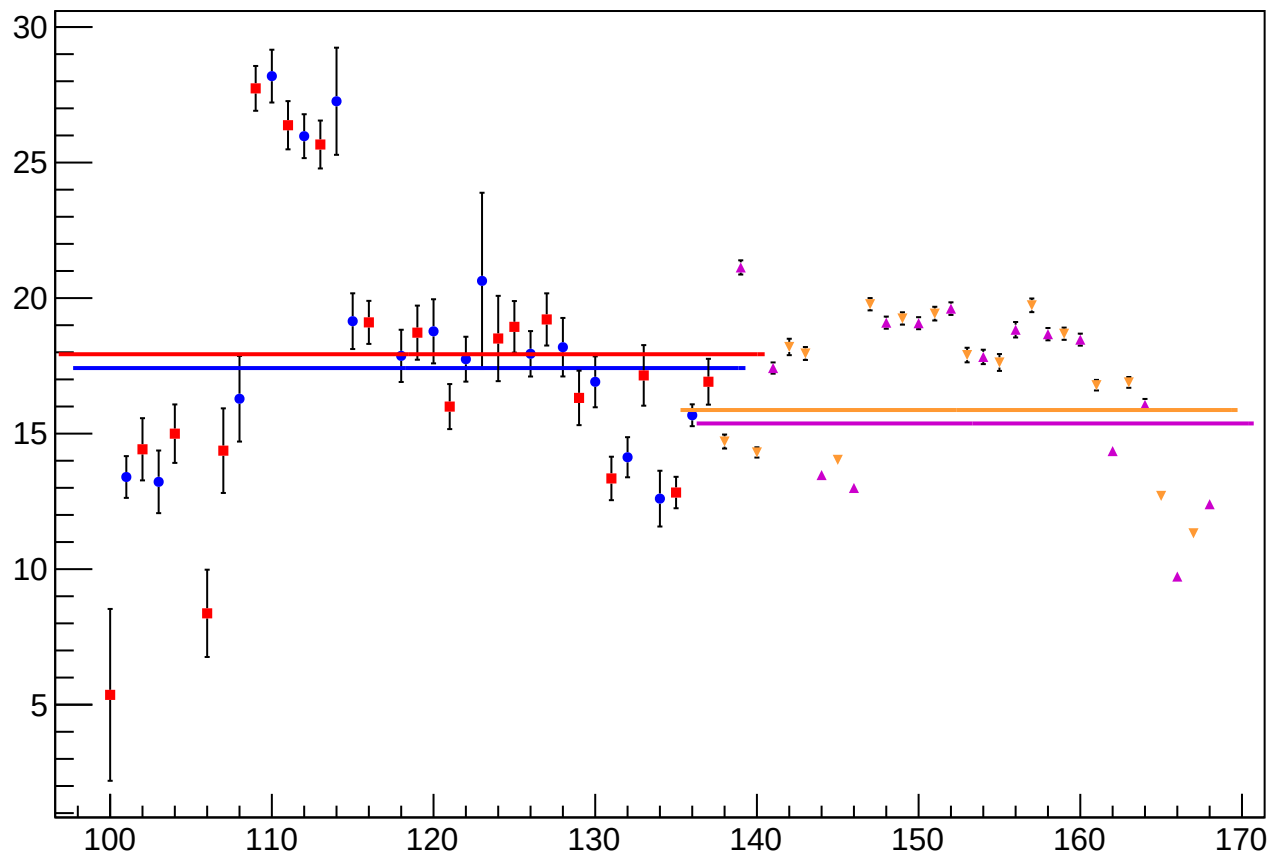
Right: 2.086 $\pm$ 0.084 χ^2 /NDF: 641.1/35

In: 1.163 $\pm$ 0.036 χ^2 /NDF: 1265.9/31

Out: 1.243 $\pm$ 0.037 χ^2 /NDF: 1145.0/34

All: 1.202 $\pm$ 0.026 χ^2 /NDF: 2413.3/66

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.418 $\pm$ 0.212 χ^2 /NDF: 366.8/16

Left Out: 15.870 $\pm$ 0.053 χ^2 /NDF: 2999.5/15

Right Out: 17.929 $\pm$ 0.219 χ^2 /NDF: 506.3/18

Left In: 15.375 $\pm$ 0.051 χ^2 /NDF: 4278.6/14

Left: 15.615 $\pm$ 0.037 χ^2 /NDF: 7323.3/30

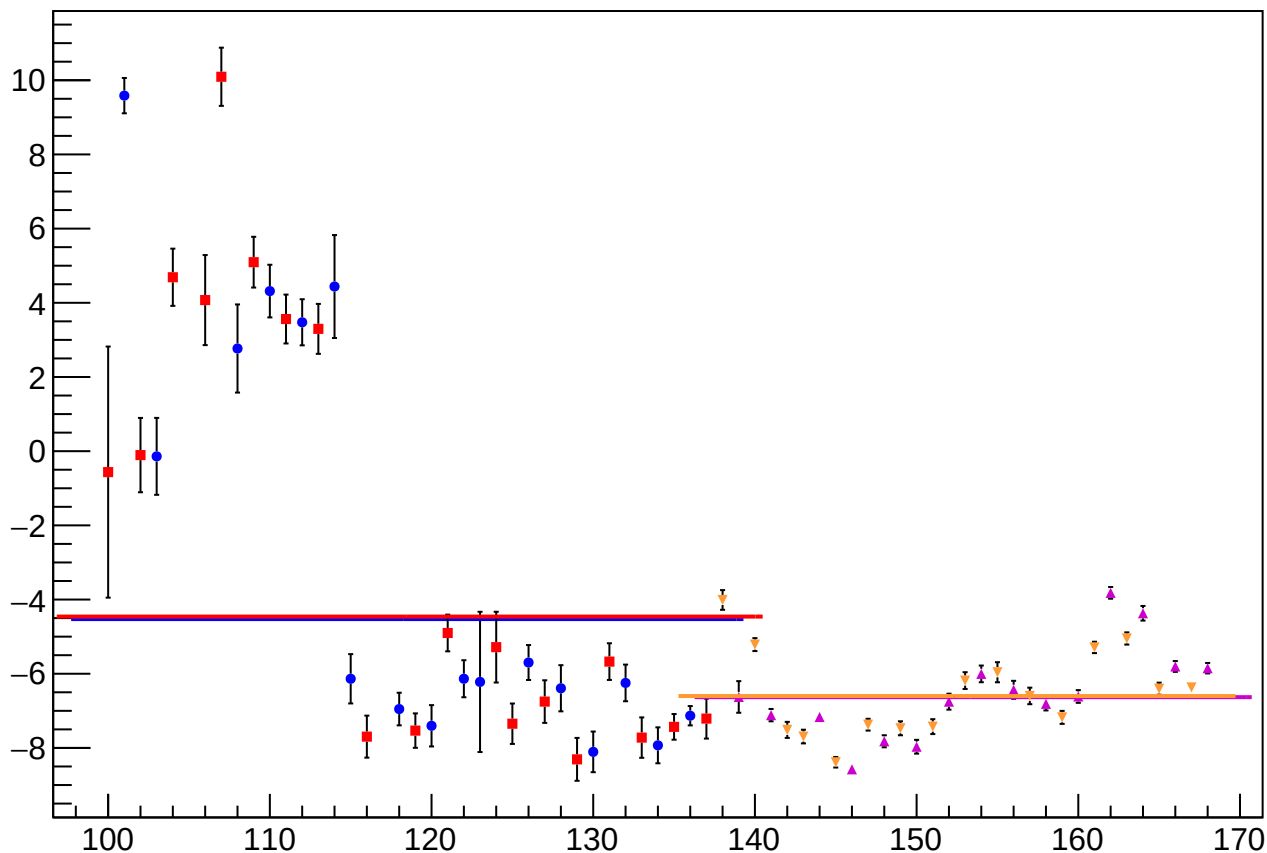
Right: 17.665 $\pm$ 0.152 χ^2 /NDF: 876.0/35

In: 15.488 $\pm$ 0.050 χ^2 /NDF: 4733.4/31

Out: 15.984 $\pm$ 0.051 χ^2 /NDF: 3589.4/34

All: 15.729 $\pm$ 0.036 χ^2 /NDF: 8370.7/66

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.526 ± 0.130 χ^2/NDF : 1590.2/16

Left Out: -6.601 ± 0.044 χ^2/NDF : 617.4/15

Right Out: -4.459 ± 0.137 χ^2/NDF : 1338.9/18

Left In: -6.631 ± 0.044 χ^2/NDF : 897.0/14

Left: -6.616 ± 0.031 χ^2/NDF : 1514.7/30

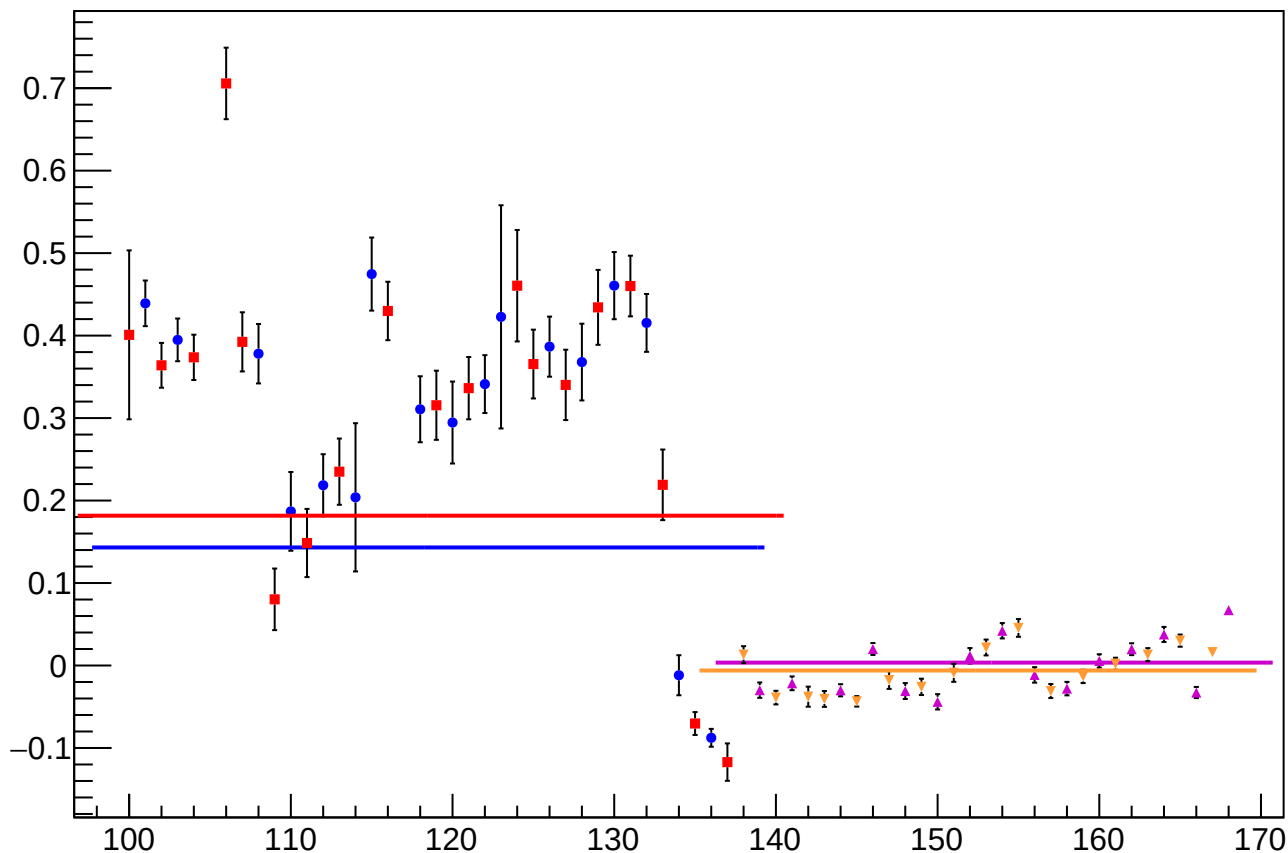
Right: -4.494 ± 0.094 χ^2/NDF : 2929.2/35

In: -6.413 ± 0.042 χ^2/NDF : 2724.1/31

Out: -6.397 ± 0.042 χ^2/NDF : 2177.6/34

All: -6.405 ± 0.030 χ^2/NDF : 4901.8/66

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.143 ± 0.007 $\chi^2/\text{NDF}: 1060.4/16$

Left Out: -0.006 ± 0.002 $\chi^2/\text{NDF}: 167.1/15$

Right Out: 0.182 ± 0.007 $\chi^2/\text{NDF}: 1007.8/18$

Left In: 0.004 ± 0.002 $\chi^2/\text{NDF}: 304.3/14$

Left: -0.001 ± 0.001 $\chi^2/\text{NDF}: 482.1/30$

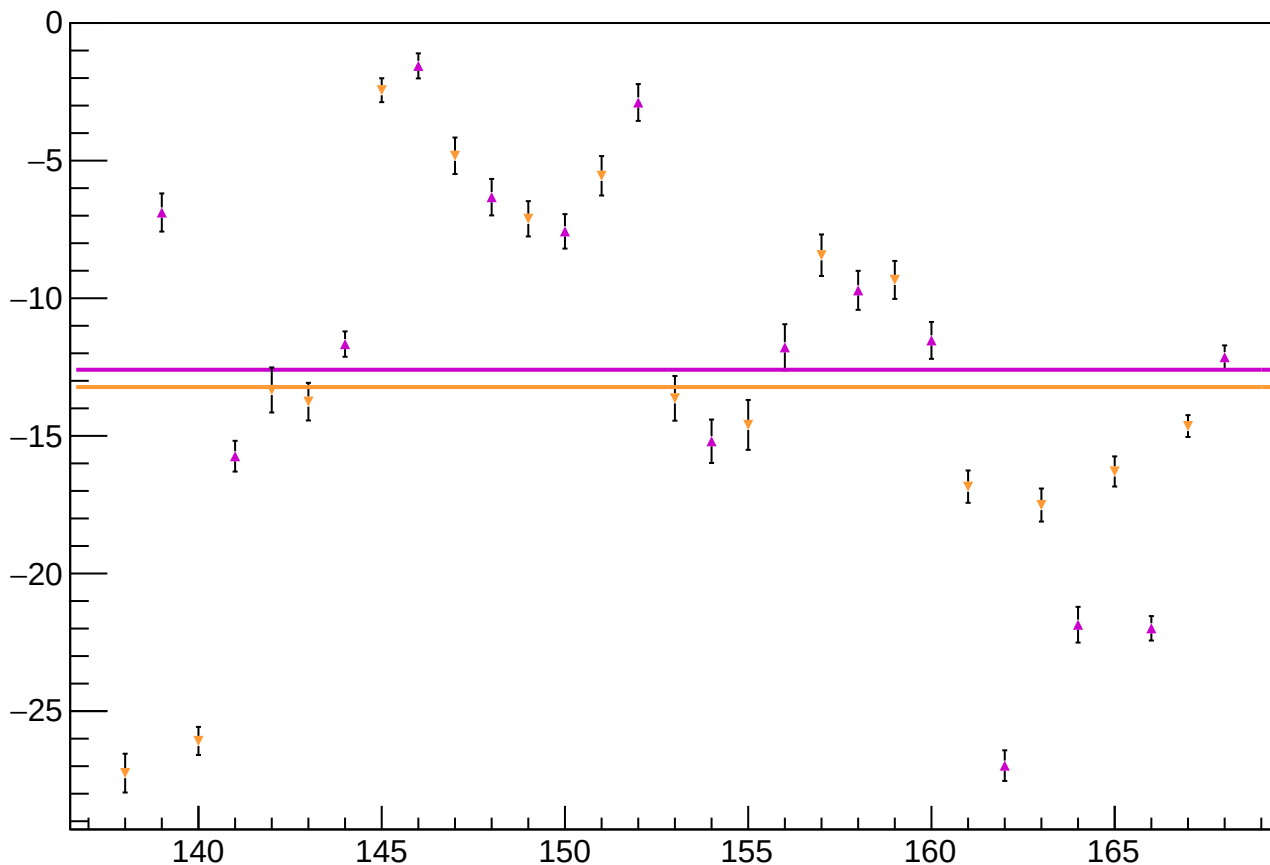
Right: 0.161 ± 0.005 $\chi^2/\text{NDF}: 2082.4/35$

In: 0.014 ± 0.002 $\chi^2/\text{NDF}: 1726.0/31$

Out: 0.008 ± 0.002 $\chi^2/\text{NDF}: 1772.7/34$

All: 0.011 ± 0.001 $\chi^2/\text{NDF}: 3504.1/66$

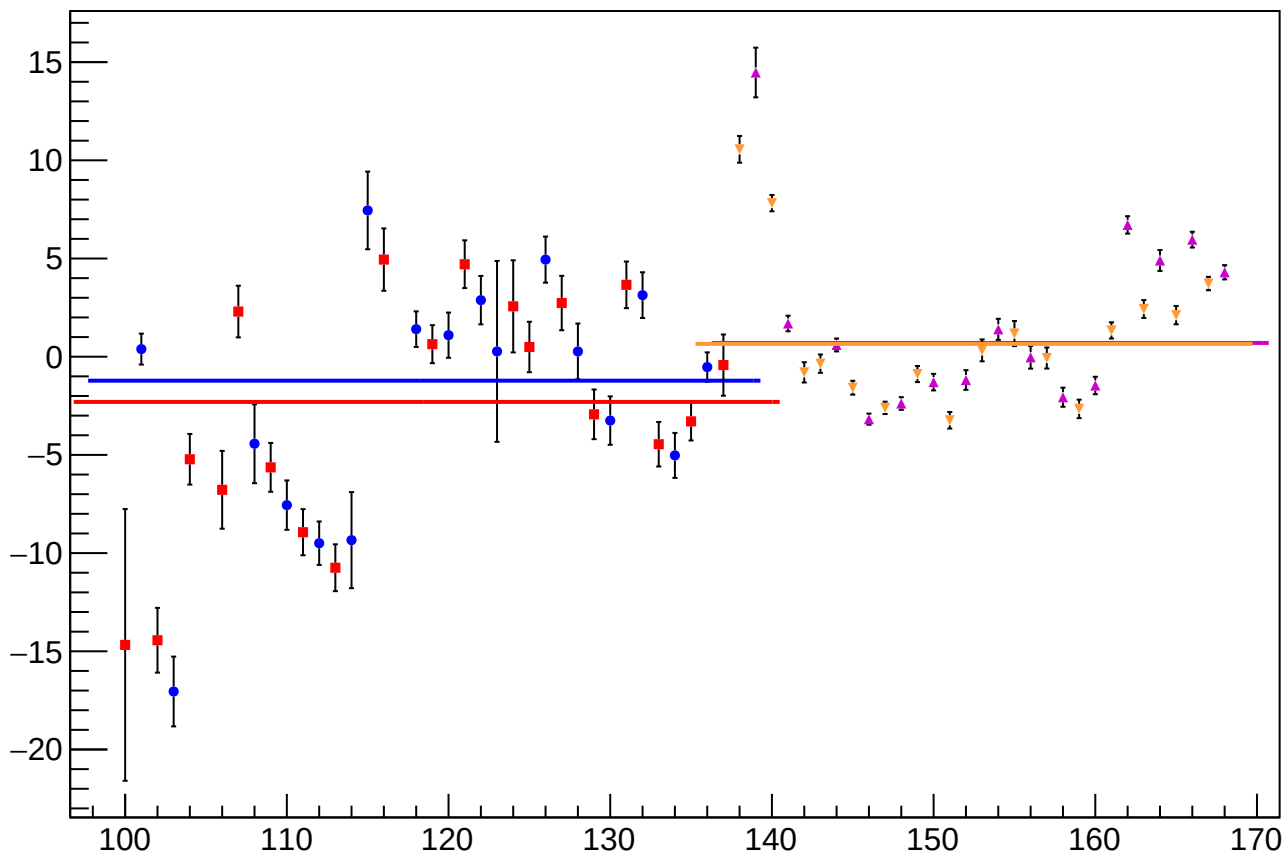
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -13.227+/-0.152 χ^2/NDF :2222.4/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -12.597+/-0.149 χ^2/NDF :2410.5/14

Left: -12.905+/-0.106 χ^2/NDF : 4641.7/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -12.597+/-0.149 χ^2/NDF :2410.5/14
 Out: -13.227+/-0.152 χ^2/NDF :2222.4/15
 All: -12.905+/-0.106 χ^2/NDF : 4641.7/30

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.220 ± 0.290 χ^2/NDF : 278.6/16

Left Out: 0.653 ± 0.109 χ^2/NDF : 931.5/15

Right Out: -2.302 ± 0.302 χ^2/NDF : 286.2/18

Left In: 0.701 ± 0.108 χ^2/NDF : 1016.4/14

Left: 0.677 ± 0.077 χ^2/NDF : 1948.0/30

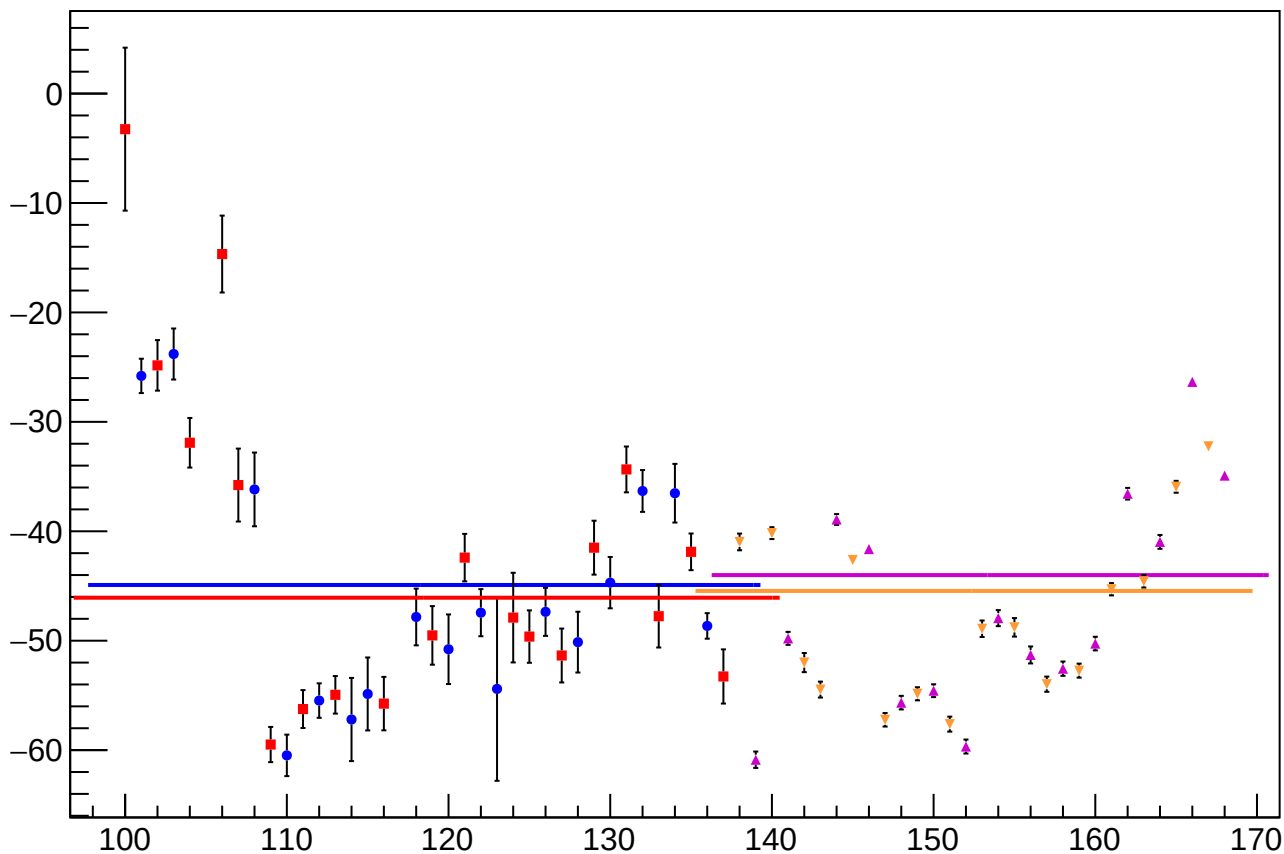
Right: -1.738 ± 0.209 χ^2/NDF : 571.5/35

In: 0.468 ± 0.101 χ^2/NDF : 1333.5/31

Out: 0.311 ± 0.103 χ^2/NDF : 1302.2/34

All: 0.391 ± 0.072 χ^2/NDF : 2636.9/66

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.908 $\pm$ 0.523 χ^2 /NDF: 421.2/16

Left Out: -45.452 $\pm$ 0.151 χ^2 /NDF: 2985.3/15

Right Out: -46.071 $\pm$ 0.528 χ^2 /NDF: 454.0/18

Left In: -44.004 $\pm$ 0.147 χ^2 /NDF: 4579.7/14

Left: -44.706 $\pm$ 0.105 χ^2 /NDF: 7612.3/30

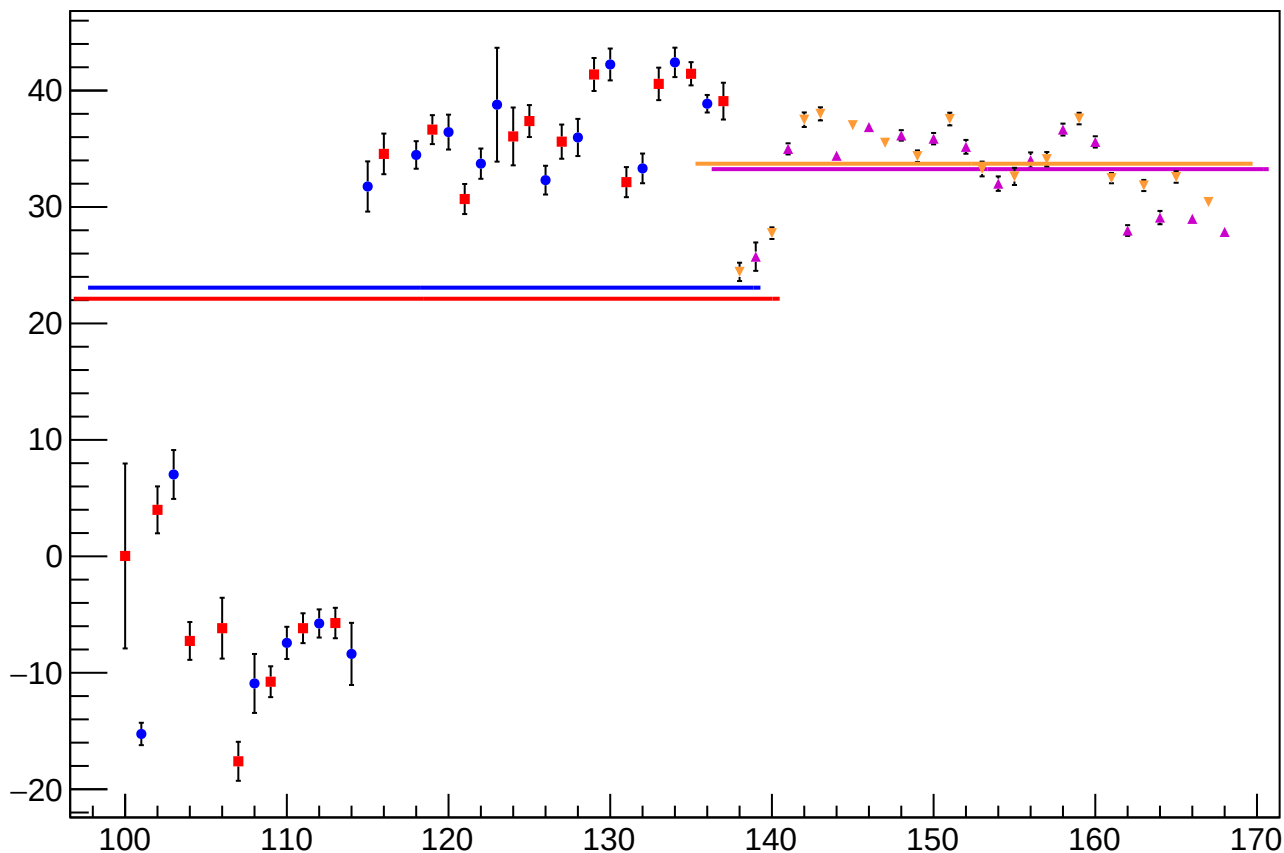
Right: -45.483 $\pm$ 0.371 χ^2 /NDF: 877.6/35

In: -44.070 $\pm$ 0.141 χ^2 /NDF: 5003.7/31

Out: -45.499 $\pm$ 0.145 χ^2 /NDF: 3440.5/34

All: -44.764 $\pm$ 0.101 χ^2 /NDF: 8493.9/66

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.073 $\pm$ 0.326 χ^2 /NDF: 4346.0/16

Left Out: 33.717 $\pm$ 0.127 χ^2 /NDF:680.4/15

Right Out: 22.122 $\pm$ 0.340 χ^2 /NDF: 4034.4/18

Left In: 33.250 $\pm$ 0.126 χ^2 /NDF:761.7/14

Left: 33.481 $\pm$ 0.089 χ^2 /NDF: 1449.0/30

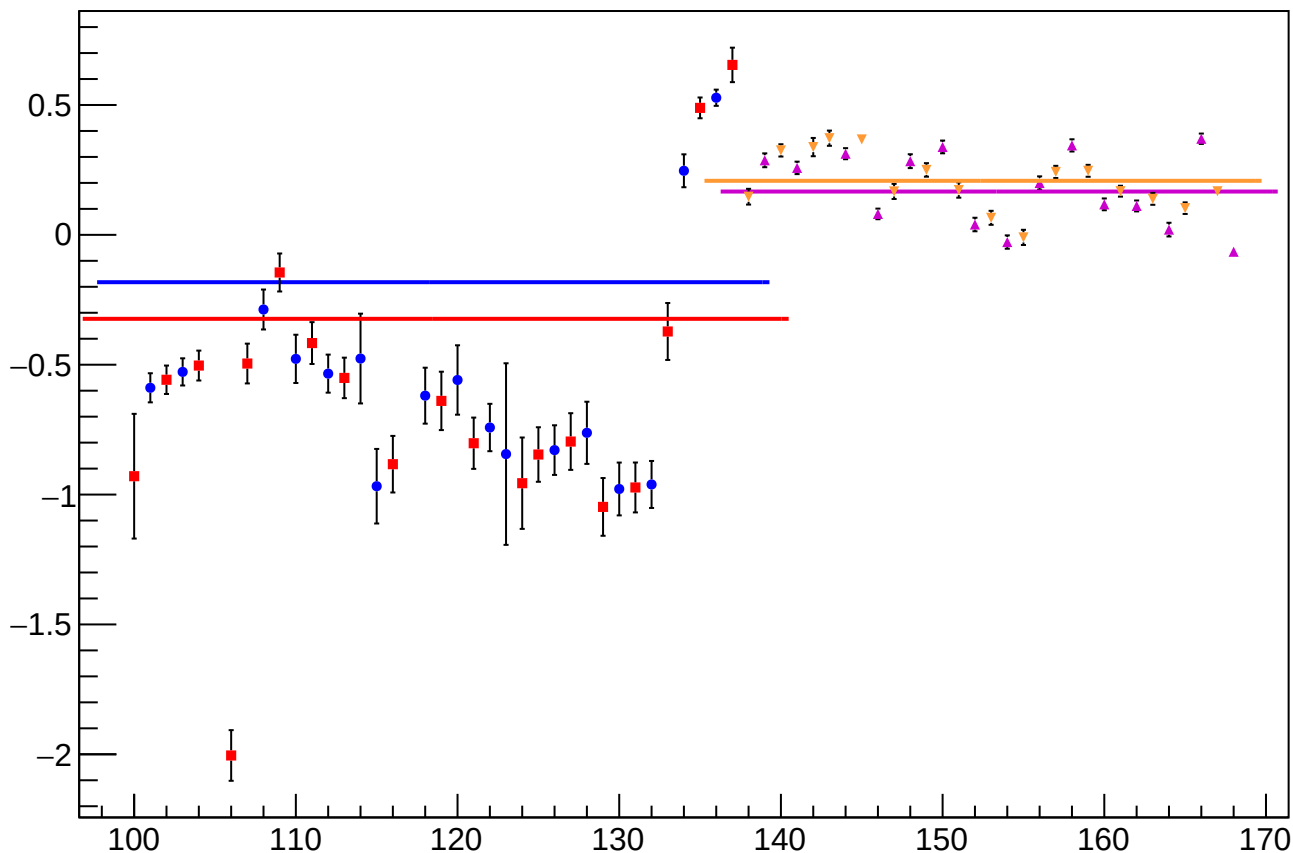
Right: 22.617 $\pm$ 0.235 χ^2 /NDF: 8384.4/35

In: 31.933 $\pm$ 0.117 χ^2 /NDF:5956.1/31

Out: 32.297 $\pm$ 0.119 χ^2 /NDF:5736.1/34

All: 32.112 $\pm$ 0.084 χ^2 /NDF: 11696.9/66

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.182 ± 0.018 χ^2/NDF : 998.1/16

Left Out: 0.208 ± 0.006 χ^2/NDF : 286.7/15

Right Out: -0.323 ± 0.018 χ^2/NDF : 1184.5/18

Left In: 0.167 ± 0.006 χ^2/NDF : 653.3/14

Left: 0.187 ± 0.004 χ^2/NDF : 964.3/30

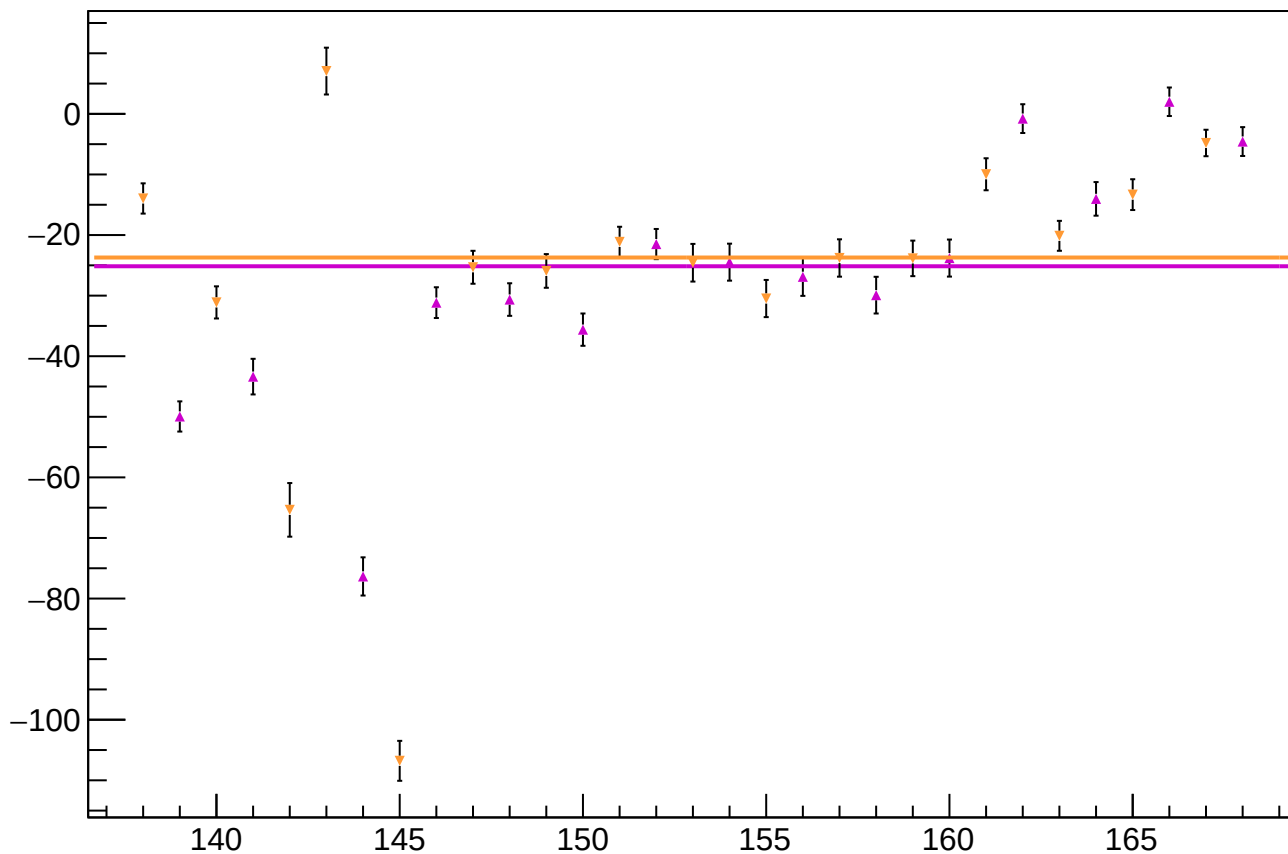
Right: -0.251 ± 0.013 χ^2/NDF : 2213.4/35

In: 0.132 ± 0.006 χ^2/NDF : 2000.8/31

Out: 0.156 ± 0.006 χ^2/NDF : 2243.3/34

All: 0.144 ± 0.004 χ^2/NDF : 4252.9/66

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



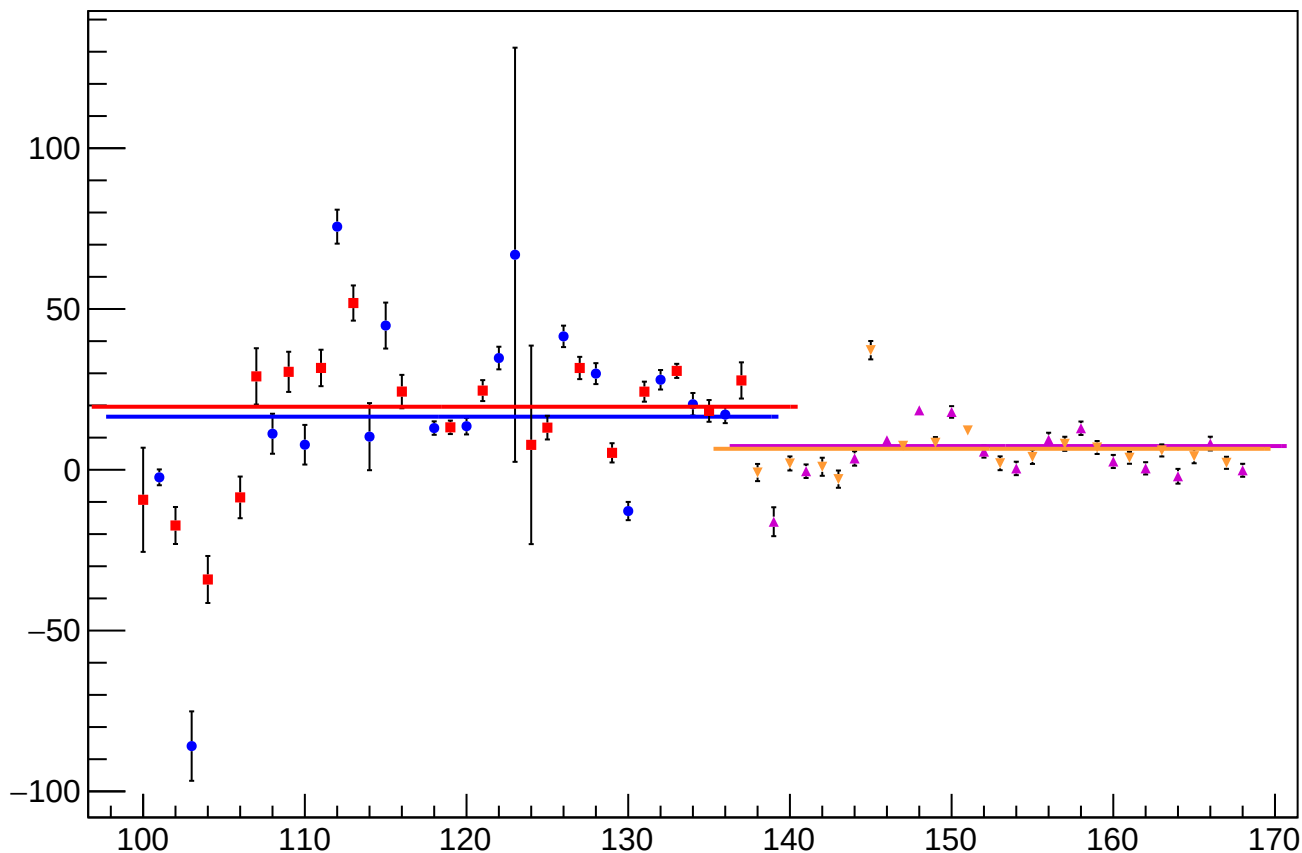
Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -23.710 ± 0.700 χ^2/NDF : 937.8/15
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -25.152 ± 0.697 χ^2/NDF : 760.5/14

Left: -24.435 ± 0.494 χ^2/NDF : 1700.5/30
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -25.152 ± 0.697 χ^2/NDF : 760.5/14
 Out: -23.710 ± 0.700 χ^2/NDF : 937.8/15

All: -24.435 ± 0.494 χ^2/NDF : 1700.5/30

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.512 $\pm$ 0.847 χ^2 /NDF: 519.6/16

Left Out: 6.526 $\pm$ 0.494 χ^2 /NDF:176.3/15

Right Out: 19.604 $\pm$ 0.898 χ^2 /NDF: 242.0/18

Left In: 7.378 $\pm$ 0.504 χ^2 /NDF:221.4/14

Left: 6.944 $\pm$ 0.353 χ^2 /NDF: 399.2/30

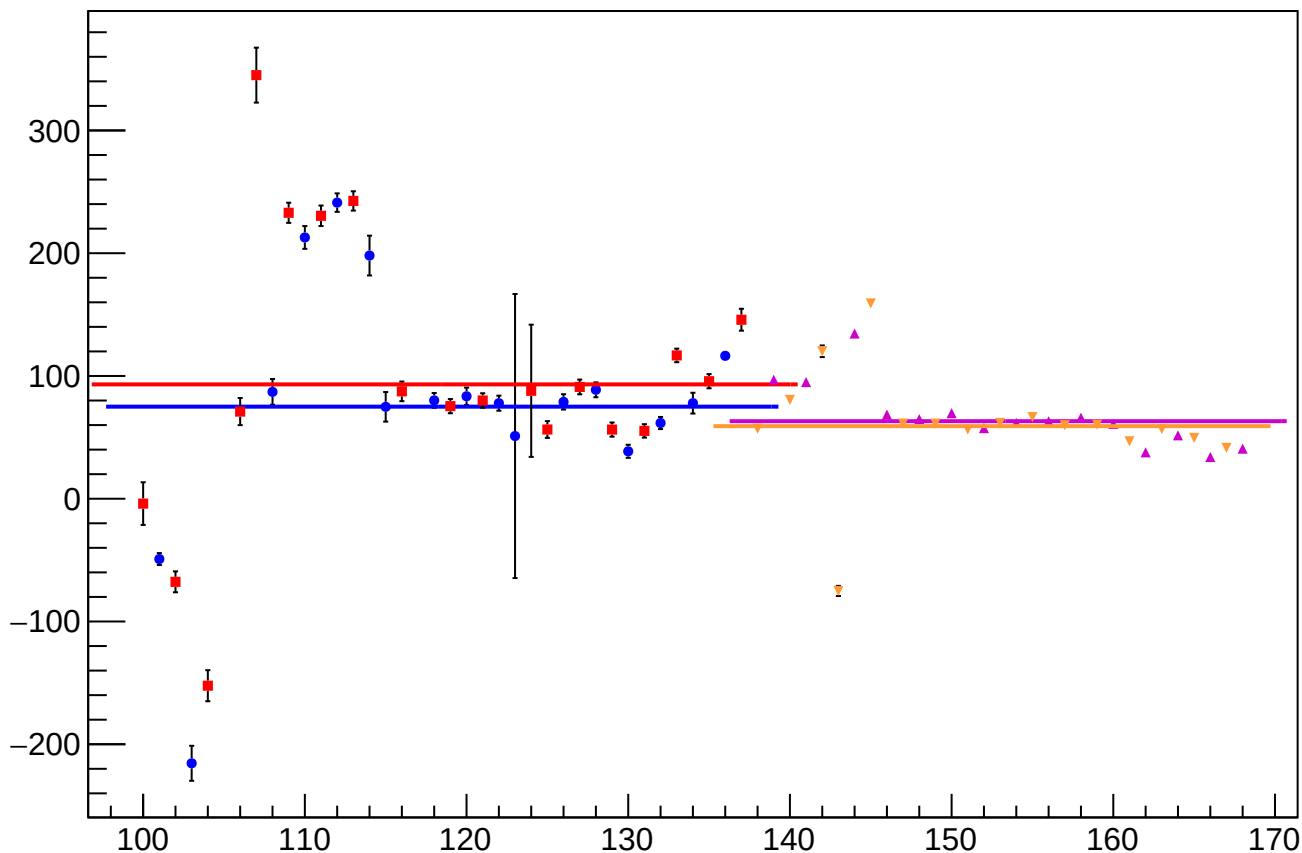
Right: 17.968 $\pm$ 0.616 χ^2 /NDF: 767.9/35

In: 9.765 $\pm$ 0.433 χ^2 /NDF:826.9/31

Out: 9.567 $\pm$ 0.433 χ^2 /NDF:580.9/34

All: 9.666 $\pm$ 0.306 χ^2 /NDF: 1407.9/66

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.009+/-1.636 χ^2/NDF : 1999.3/16

Left Out: 59.115+/-0.687 χ^2/NDF : 2247.6/15

Right Out: 93.140+/-1.711 χ^2/NDF : 2002.3/18

Left In: 63.167+/-0.681 χ^2/NDF : 1105.0/14

Left: 61.159+/-0.484 χ^2/NDF : 3370.1/30

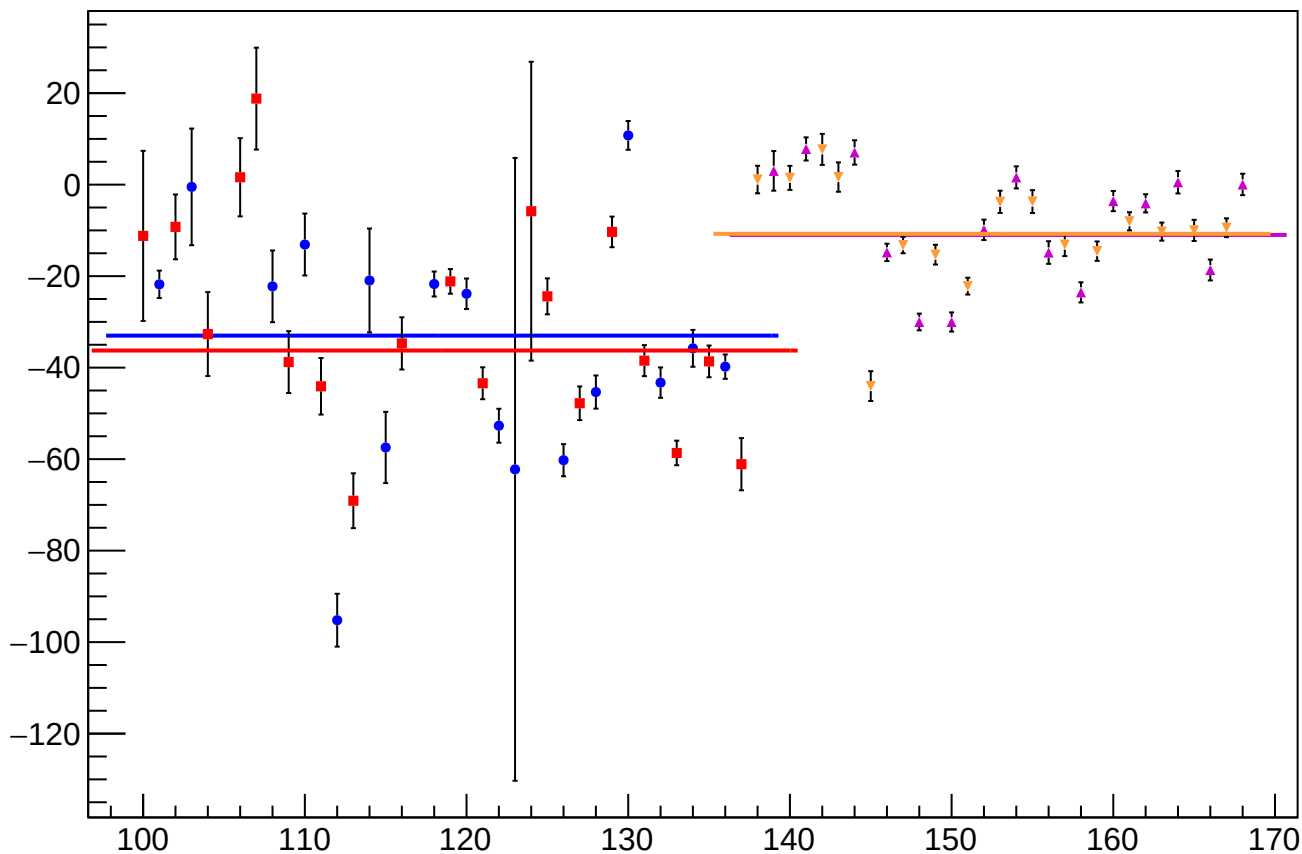
Right: 83.668+/-1.183 χ^2/NDF : 4060.3/35

In: 64.914+/-0.628 χ^2/NDF : 3149.0/31

Out: 63.837+/-0.638 χ^2/NDF : 4590.4/34

All: 64.383+/-0.448 χ^2/NDF : 7740.8/66

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.005 ± 0.972 $\chi^2/\text{NDF}: 493.1/16$

Left Out: -10.751 ± 0.577 $\chi^2/\text{NDF}: 253.5/15$

Right Out: -36.260 ± 1.025 $\chi^2/\text{NDF}: 297.1/18$

Left In: -10.992 ± 0.588 $\chi^2/\text{NDF}: 447.8/14$

Left: -10.869 ± 0.412 $\chi^2/\text{NDF}: 701.4/30$

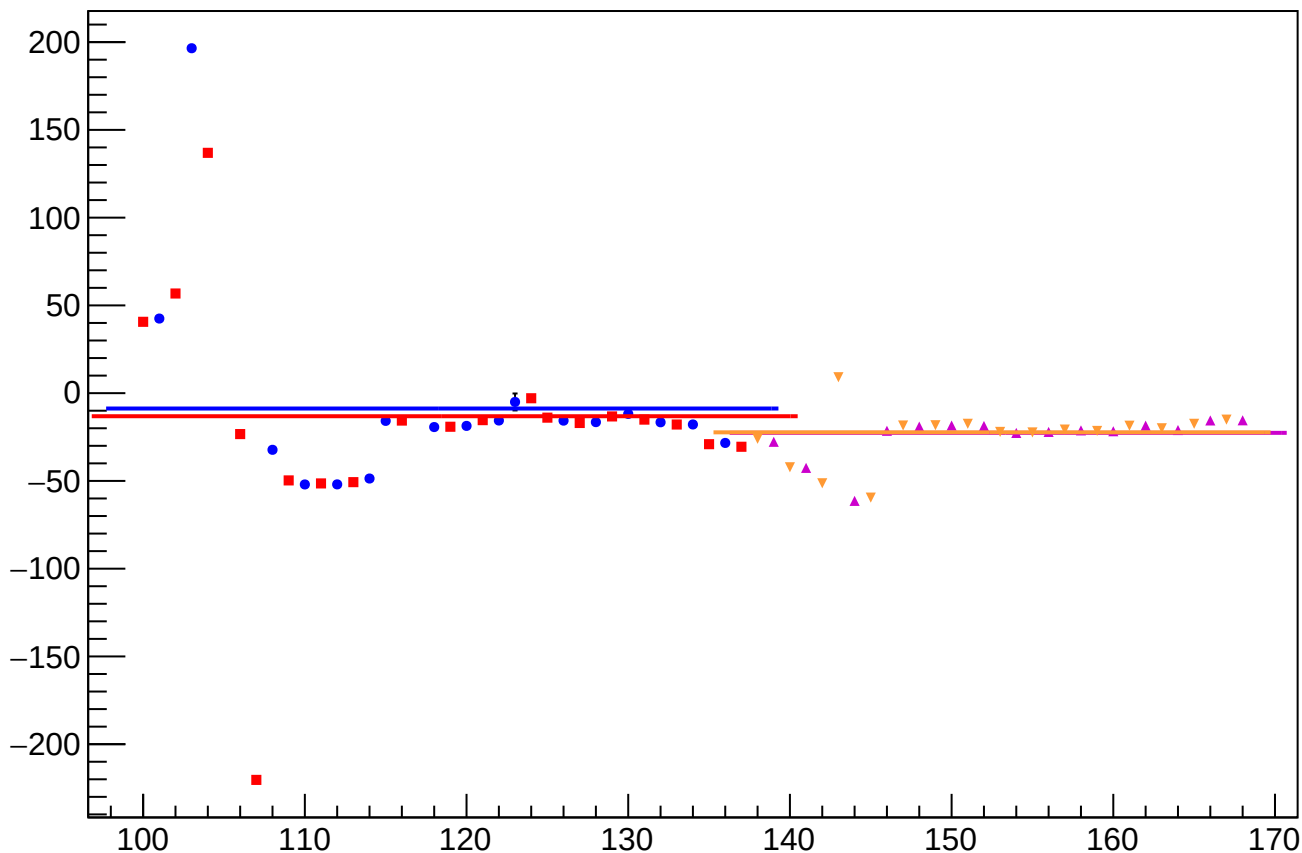
Right: -34.545 ± 0.705 $\chi^2/\text{NDF}: 795.4/35$

In: -16.885 ± 0.503 $\chi^2/\text{NDF}: 1316.7/31$

Out: -16.892 ± 0.503 $\chi^2/\text{NDF}: 1020.5/34$

All: -16.889 ± 0.356 $\chi^2/\text{NDF}: 2337.2/66$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.751 ± 0.059 χ^2/NDF : 576012.4/16

Left Out: -22.321 ± 0.027 χ^2/NDF : 178284.4/15

Right Out: -13.143 ± 0.062 χ^2/NDF : 558628.0/18

Left In: -22.612 ± 0.027 χ^2/NDF : 114435.7/14

Left: -22.468 ± 0.019 χ^2/NDF : 292778.5/30

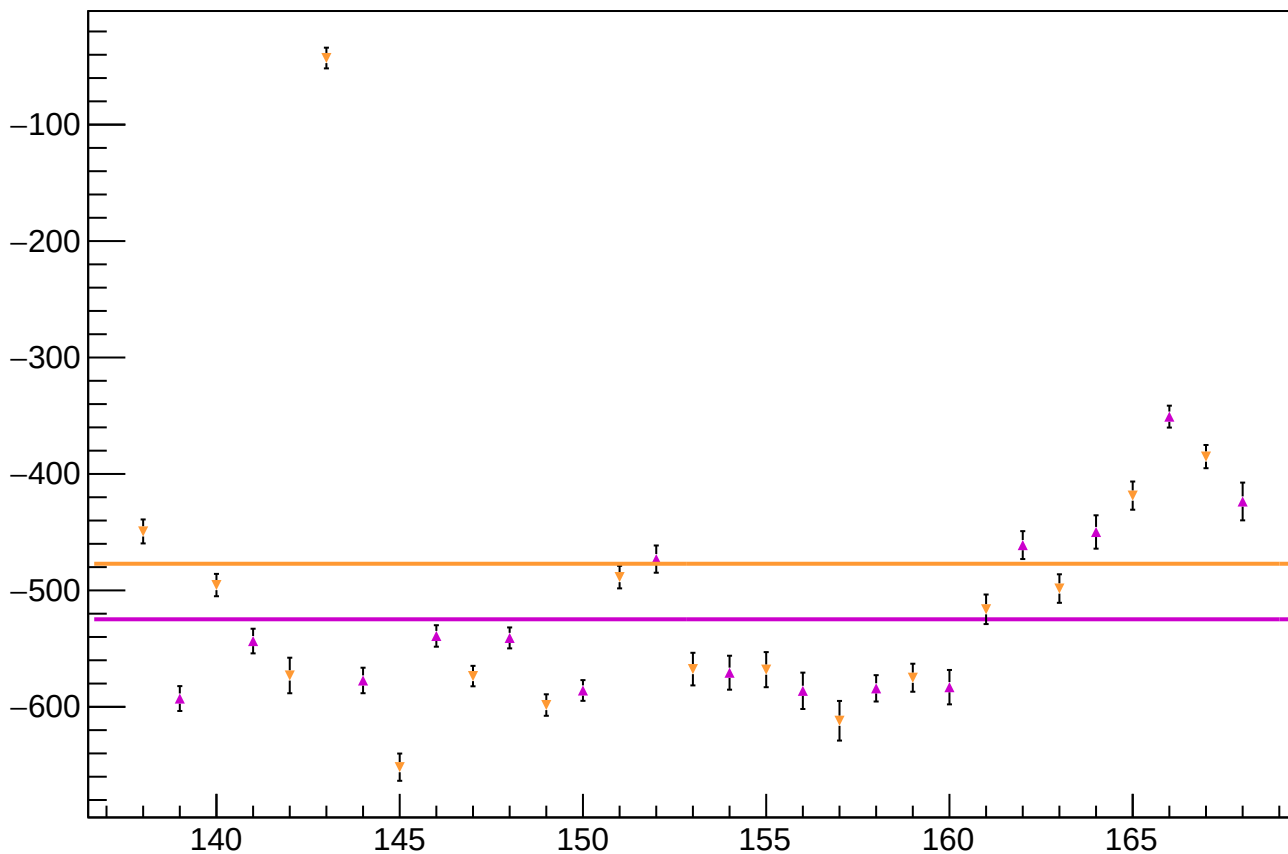
Right: -10.840 ± 0.043 χ^2/NDF : 1137294.9/35

In: -20.231 ± 0.024 χ^2/NDF : 736463.4/31

Out: -20.843 ± 0.025 χ^2/NDF : 755458.3/34

All: -20.532 ± 0.017 χ^2/NDF : 1492231.8/66

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -477.109 ± 2.779 χ^2/NDF : 3278.0/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -524.810 ± 2.908 χ^2/NDF : 644.5/14

Left: -499.882 ± 2.009 χ^2/NDF : 4063.1/30

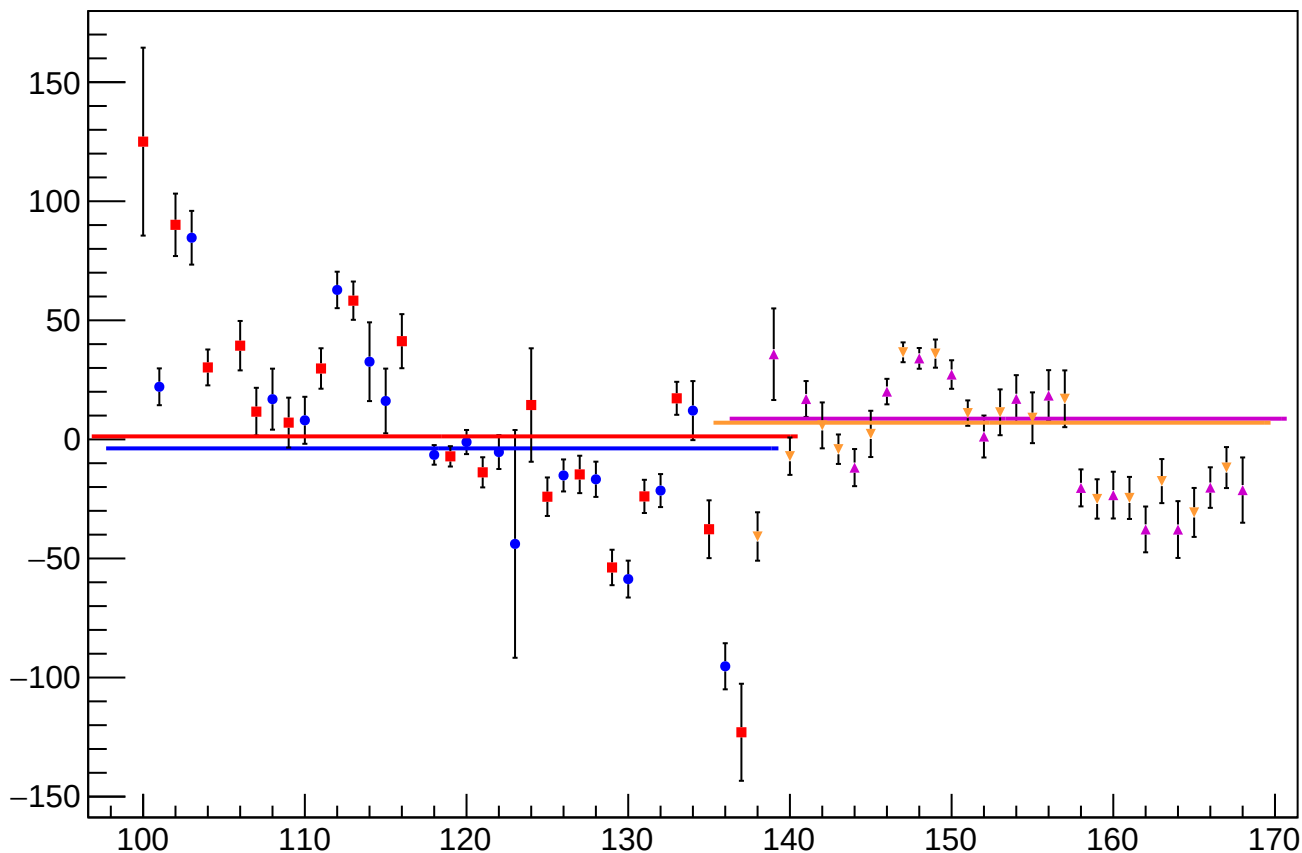
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -524.810 ± 2.908 χ^2/NDF : 644.5/14

Out: -477.109 ± 2.779 χ^2/NDF : 3278.0/15

All: -499.882 ± 2.009 χ^2/NDF : 4063.1/30

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.773 ± 1.889 χ^2/NDF : 314.3/16

Left Out: 7.008 ± 1.878 χ^2/NDF : 157.9/15

Right Out: 1.265 ± 1.920 χ^2/NDF : 303.7/18

Left In: 8.692 ± 2.009 χ^2/NDF : 139.9/14

Left: 7.794 ± 1.372 χ^2/NDF : 298.2/30

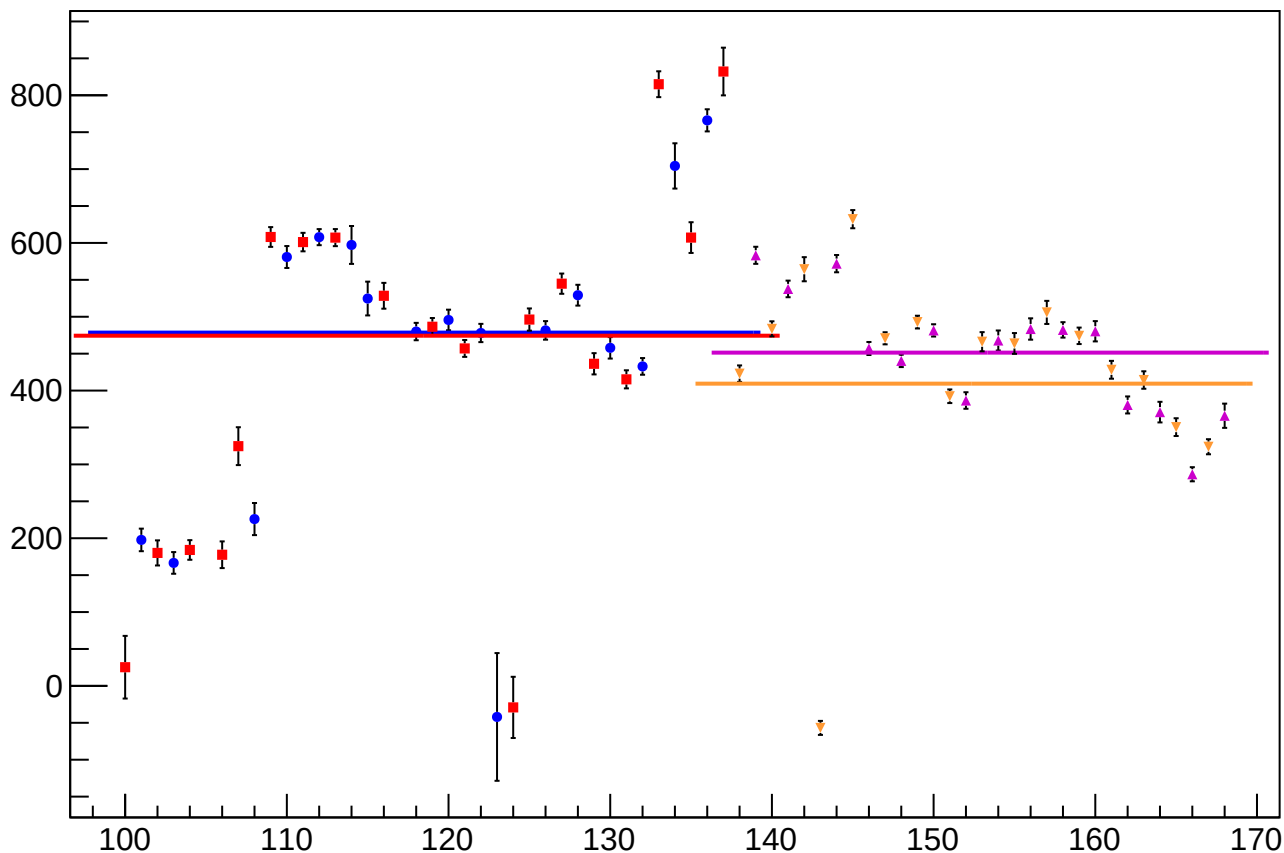
Right: -1.296 ± 1.346 χ^2/NDF : 621.6/35

In: 2.076 ± 1.376 χ^2/NDF : 474.7/31

Out: 4.201 ± 1.342 χ^2/NDF : 466.2/34

All: 3.165 ± 0.961 χ^2/NDF : 942.1/66

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.526 $\pm$ 3.630 χ^2 /NDF: 1629.0/16

Left Out: 409.379 $\pm$ 2.746 χ^2 /NDF:3236.8/15

Right Out: 474.328 $\pm$ 3.533 χ^2 /NDF: 2287.1/18

Left In: 451.399 $\pm$ 2.840 χ^2 /NDF:756.7/14

Left: 429.682 $\pm$ 1.974 χ^2 /NDF: 4106.7/30

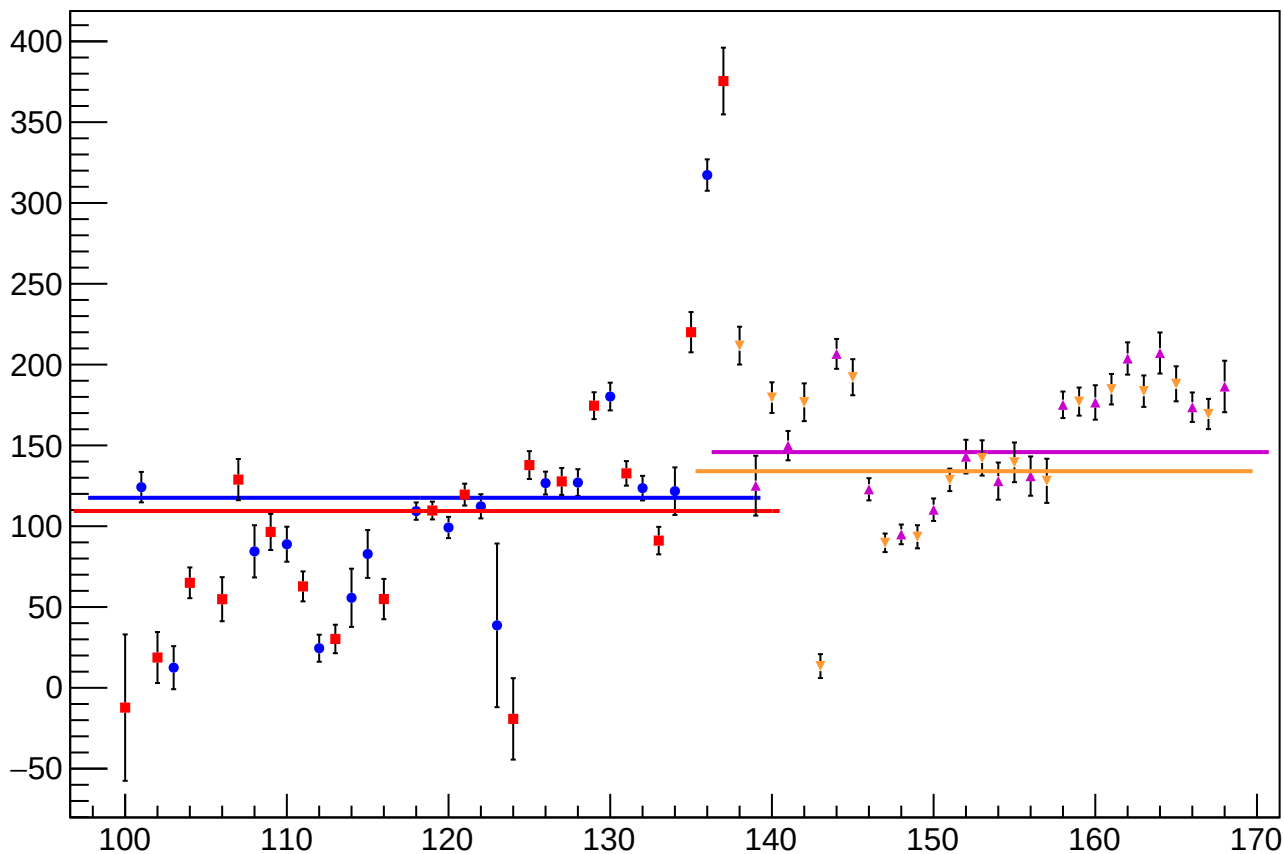
Right: 476.370 $\pm$ 2.532 χ^2 /NDF: 3916.8/35

In: 461.697 $\pm$ 2.237 χ^2 /NDF:2420.4/31

Out: 433.838 $\pm$ 2.168 χ^2 /NDF:5734.6/34

All: 447.333 $\pm$ 1.557 χ^2 /NDF: 8235.0/66

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 117.585 $\pm$ 2.193 χ^2 /NDF: 706.9/16

Left Out: 134.053 $\pm$ 2.247 χ^2 /NDF: 585.5/15

Right Out: 109.400 $\pm$ 2.210 χ^2 /NDF: 571.2/18

Left In: 145.858 $\pm$ 2.390 χ^2 /NDF: 249.6/14

Left: 139.590 $\pm$ 1.637 χ^2 /NDF: 848.1/30

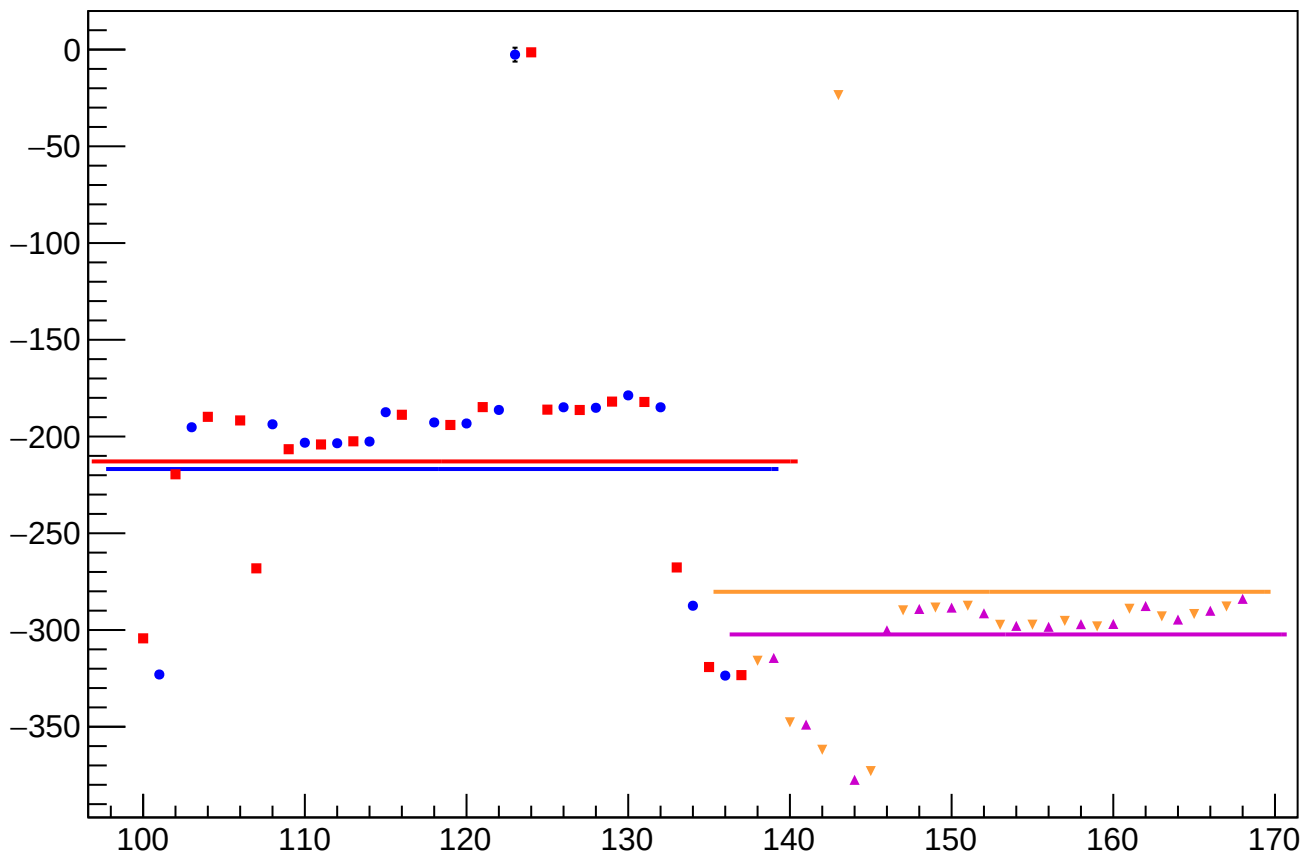
Right: 113.524 $\pm$ 1.557 χ^2 /NDF: 1285.0/35

In: 130.506 $\pm$ 1.616 χ^2 /NDF: 1032.5/31

Out: 121.523 $\pm$ 1.575 χ^2 /NDF: 1217.9/34

All: 125.900 $\pm$ 1.128 χ^2 /NDF: 2266.2/66

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -216.796 ± 0.136 $\chi^2/\text{NDF}: 146976.1/16$

Left Out: -280.248 ± 0.111 $\chi^2/\text{NDF}: 545946.5/15$

Right Out: -212.869 ± 0.130 $\chi^2/\text{NDF}: 116393.6/18$

Left In: -302.289 ± 0.114 $\chi^2/\text{NDF}: 39734.8/14$

Left: -290.942 ± 0.079 $\chi^2/\text{NDF}: 604922.1/30$

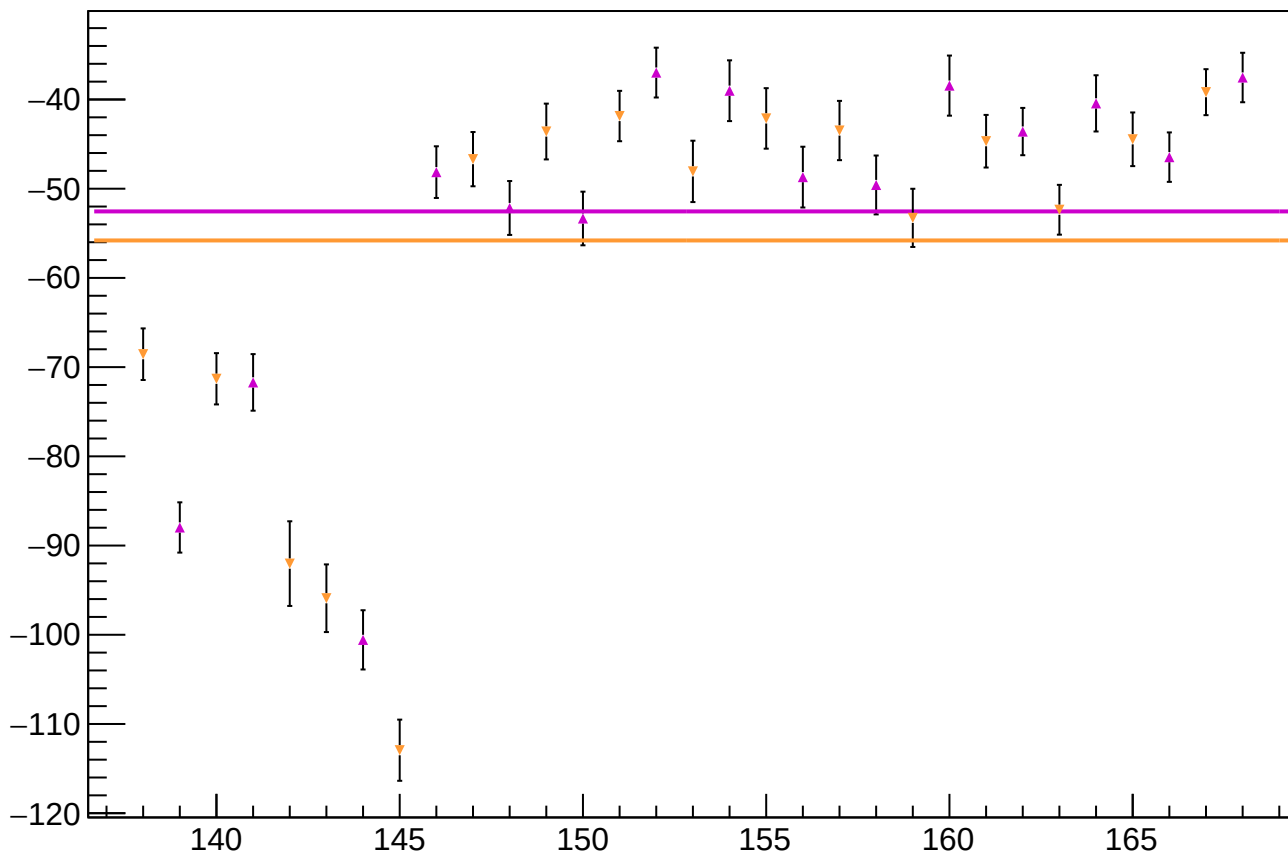
Right: -214.751 ± 0.094 $\chi^2/\text{NDF}: 263806.1/35$

In: -266.898 ± 0.087 $\chi^2/\text{NDF}: 419486.7/31$

Out: -251.969 ± 0.084 $\chi^2/\text{NDF}: 817862.8/34$

All: -259.176 ± 0.061 $\chi^2/\text{NDF}: 1252484.1/66$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



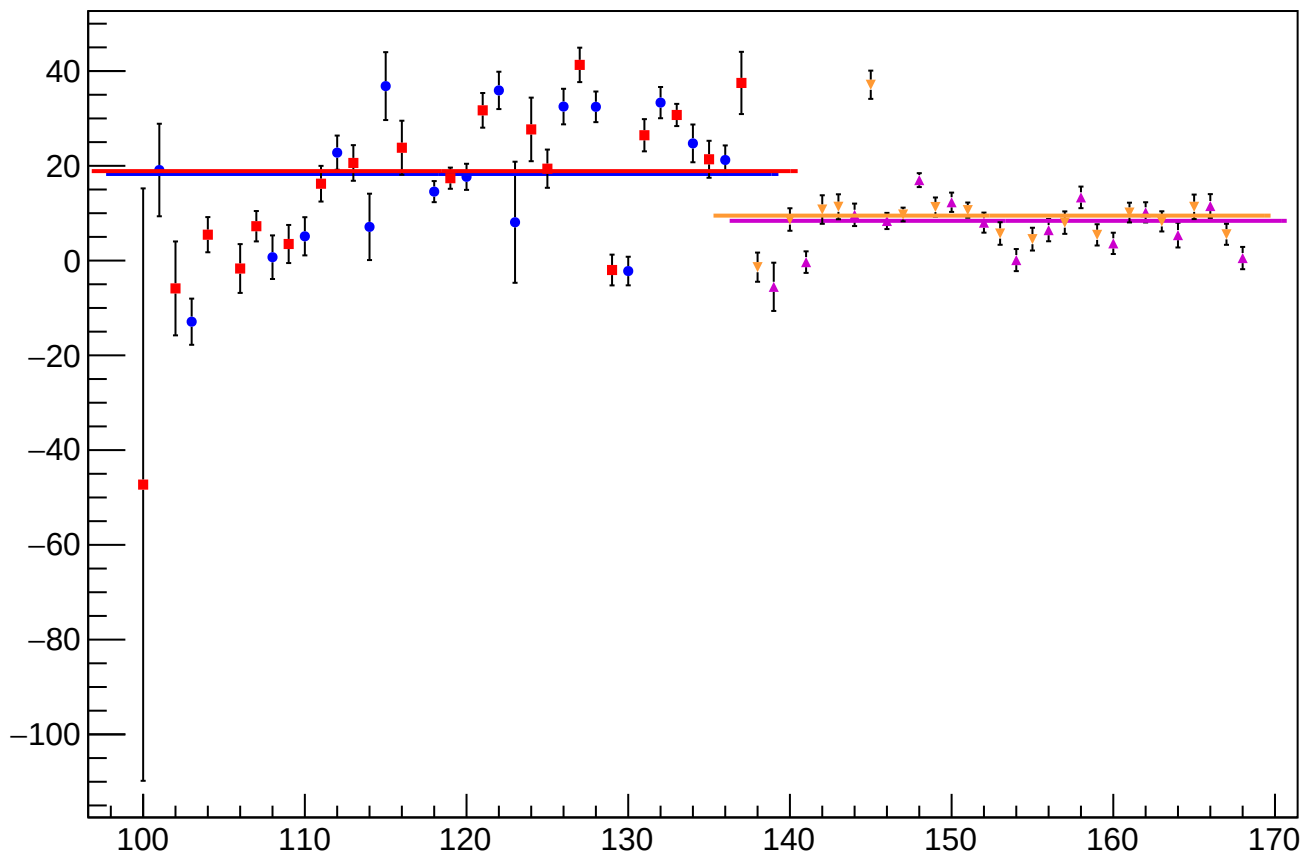
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -55.801+/-0.782 χ^2/NDF : 652.3/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -52.546+/-0.781 χ^2/NDF : 532.9/14

Left: -54.172+/-0.553 χ^2/NDF : 1193.9/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -52.546+/-0.781 χ^2/NDF : 532.9/14
 Out: -55.801+/-0.782 χ^2/NDF : 652.3/15

All: -54.172+/-0.553 χ^2/NDF : 1193.9/30

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.279 ± 0.906 χ^2/NDF : 204.6/16

Left Out: 9.490 ± 0.551 χ^2/NDF : 115.0/15

Right Out: 18.882 ± 0.864 χ^2/NDF : 198.4/18

Left In: 8.388 ± 0.564 χ^2/NDF : 97.7/14

Left: 8.952 ± 0.394 χ^2/NDF : 214.7/30

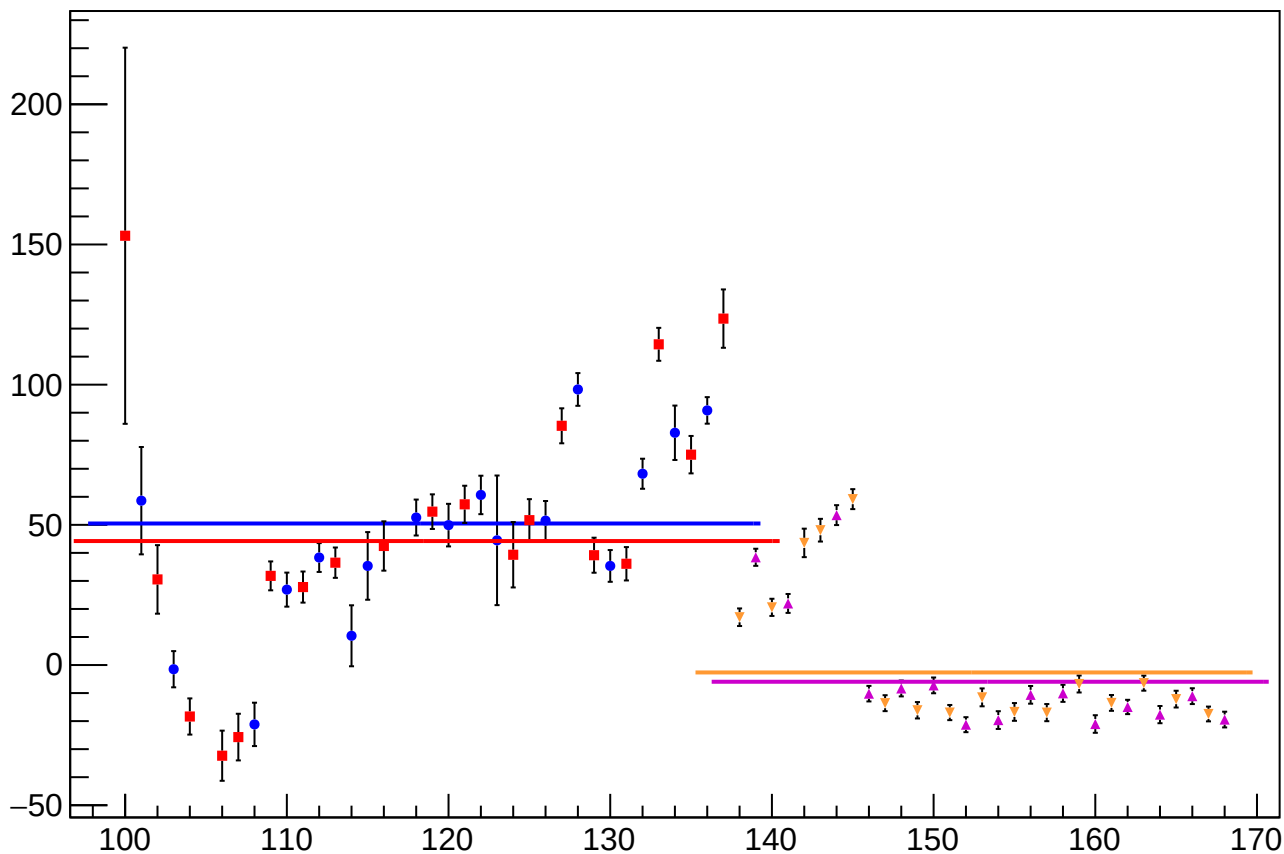
Right: 18.595 ± 0.625 χ^2/NDF : 403.2/35

In: 11.154 ± 0.479 χ^2/NDF : 388.2/31

Out: 12.202 ± 0.464 χ^2/NDF : 397.4/34

All: 11.694 ± 0.333 χ^2/NDF : 788.1/66

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.482 $\pm$ 1.668 χ^2 /NDF: 357.9/16

Left Out: -2.644 $\pm$ 0.767 χ^2 /NDF: 812.3/15

Right Out: 44.222 $\pm$ 1.602 χ^2 /NDF: 534.4/18

Left In: -5.963 $\pm$ 0.763 χ^2 /NDF: 695.9/14

Left: -4.313 $\pm$ 0.541 χ^2 /NDF: 1517.5/30

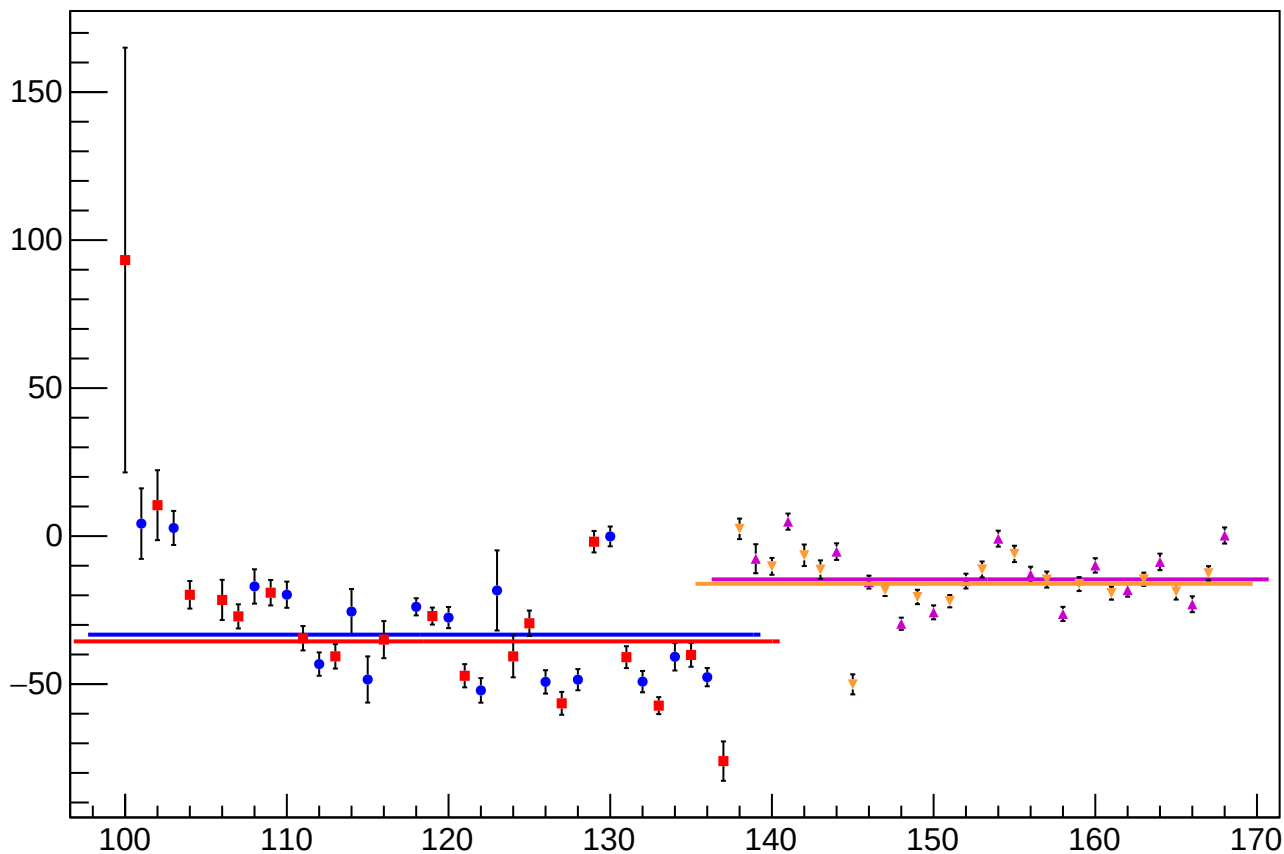
Right: 47.226 $\pm$ 1.156 χ^2 /NDF: 899.6/35

In: 3.805 $\pm$ 0.694 χ^2 /NDF: 2000.8/31

Out: 6.097 $\pm$ 0.692 χ^2 /NDF: 2042.5/34

All: 4.954 $\pm$ 0.490 χ^2 /NDF: 4048.7/66

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.292 ± 1.033 χ^2/NDF : 289.1/16

Left Out: -16.121 ± 0.644 χ^2/NDF : 177.0/15

Right Out: -35.566 ± 0.992 χ^2/NDF : 287.6/18

Left In: -14.617 ± 0.657 χ^2/NDF : 240.4/14

Left: -15.385 ± 0.460 χ^2/NDF : 420.1/30

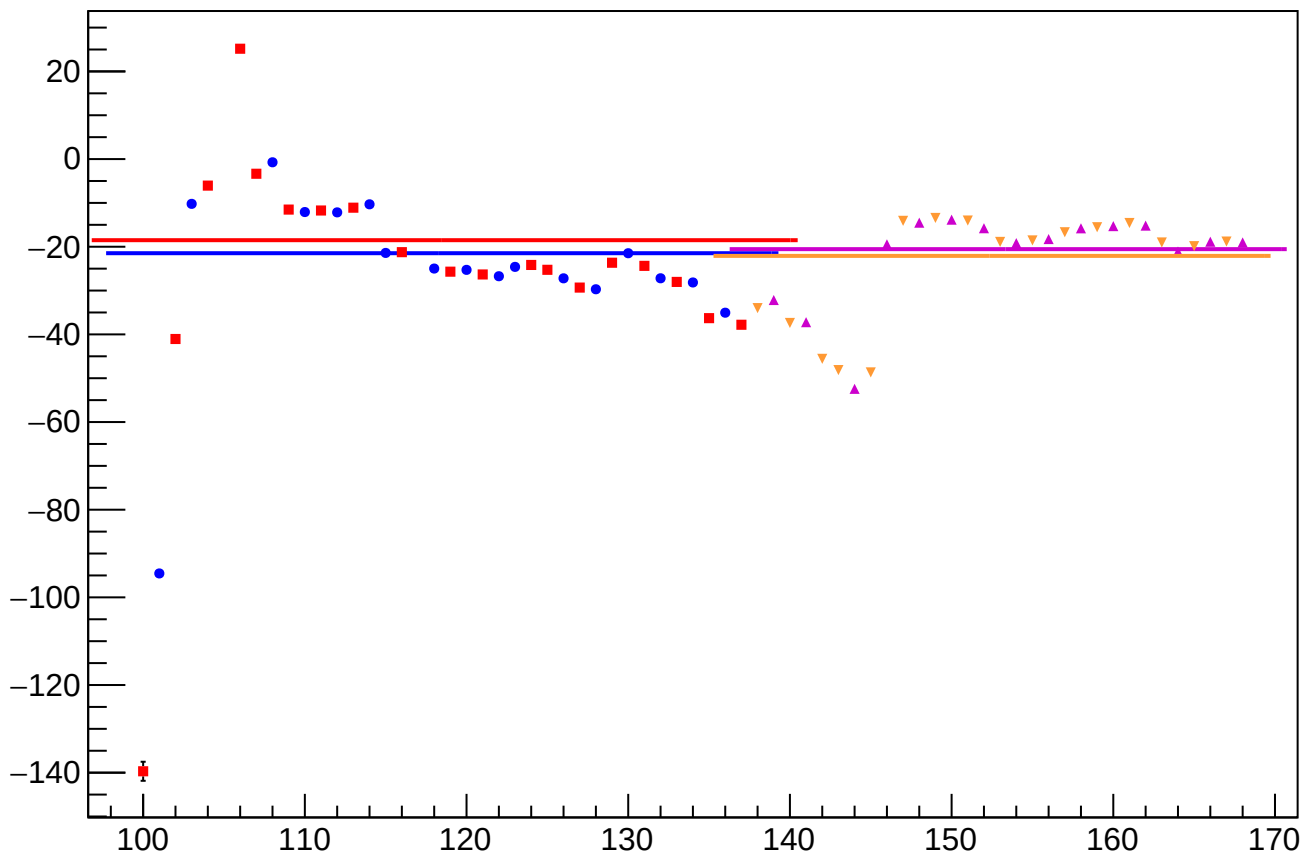
Right: -34.474 ± 0.716 χ^2/NDF : 579.3/35

In: -19.998 ± 0.555 χ^2/NDF : 762.2/31

Out: -21.880 ± 0.540 χ^2/NDF : 734.8/34

All: -20.964 ± 0.387 χ^2/NDF : 1502.9/66

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.476 $\pm$ 0.059 χ^2 /NDF: 49009.8/16

Left Out: -22.088 $\pm$ 0.030 χ^2 /NDF:125996.9/15

Right Out: -18.506 $\pm$ 0.057 χ^2 /NDF: 80734.5/18

Left In: -20.550 $\pm$ 0.030 χ^2 /NDF:84411.3/14

Left: -21.314 $\pm$ 0.021 χ^2 /NDF: 211716.1/30

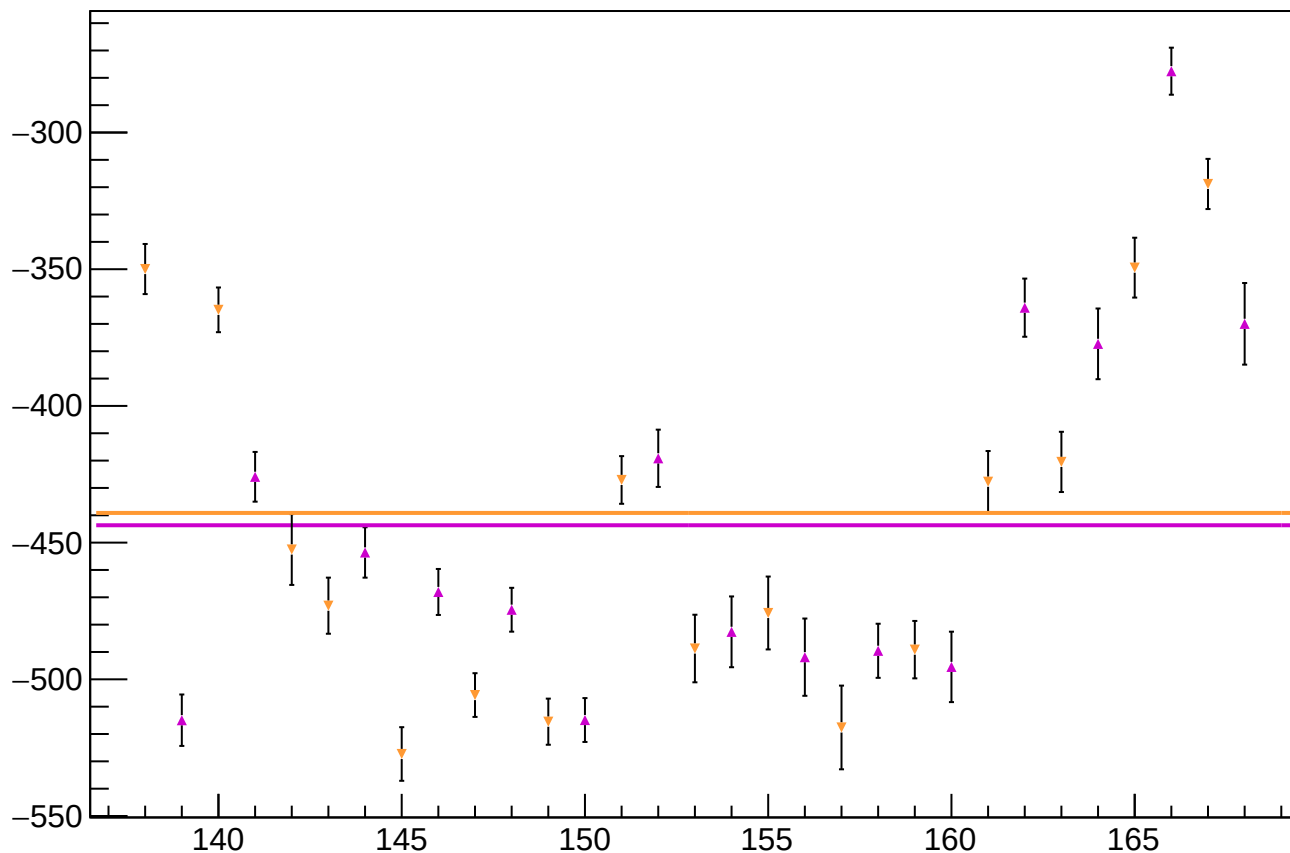
Right: -19.957 $\pm$ 0.041 χ^2 /NDF: 131054.3/35

In: -20.741 $\pm$ 0.027 χ^2 /NDF:133618.9/31

Out: -21.311 $\pm$ 0.027 χ^2 /NDF:209785.8/34

All: -21.026 $\pm$ 0.019 χ^2 /NDF: 343632.6/66

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -439.141+/-2.520 χ^2/NDF : 738.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -443.650+/-2.586 χ^2/NDF : 707.5/14

Left: -441.337+/-1.805 χ^2/NDF : 1448.0/30

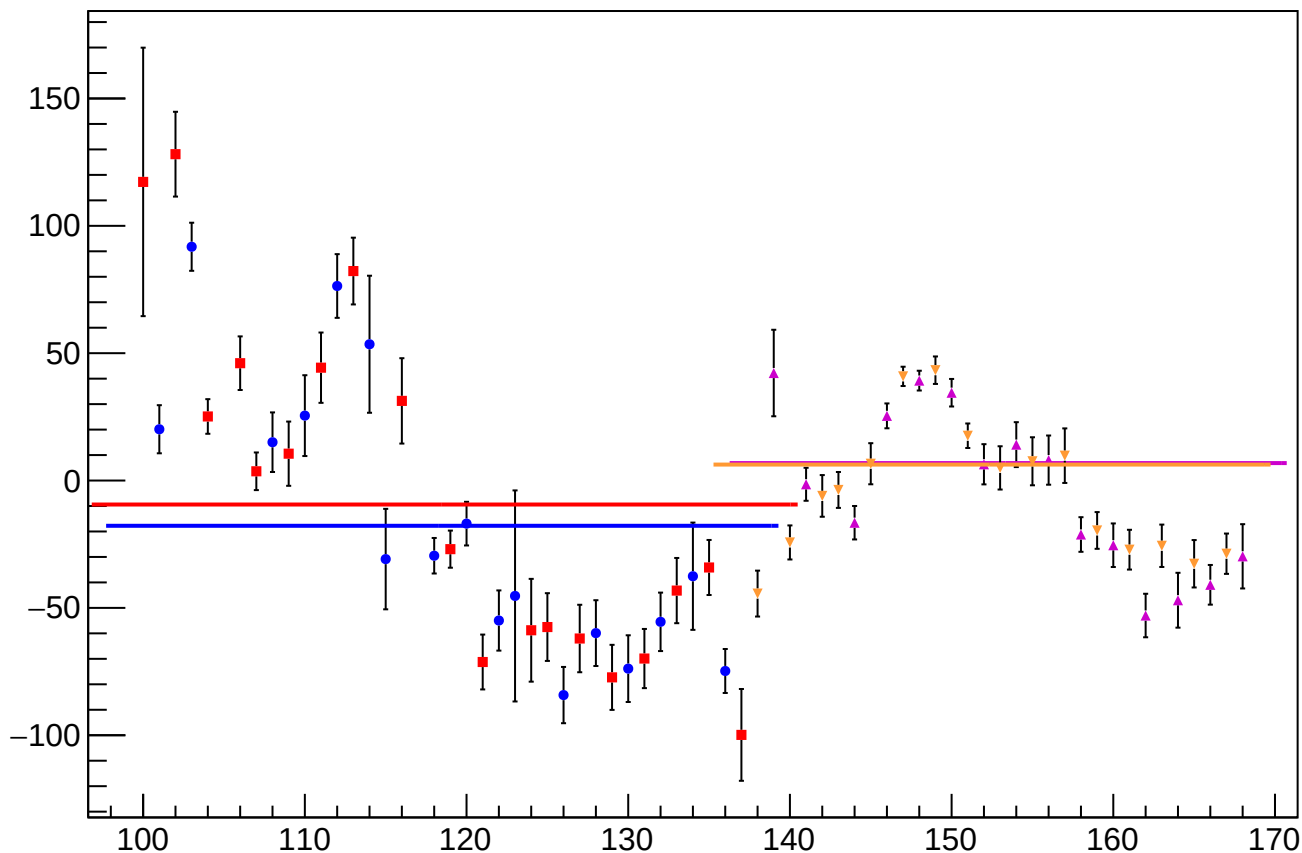
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -443.650+/-2.586 χ^2/NDF : 707.5/14

Out: -439.141+/-2.520 χ^2/NDF : 738.9/15

All: -441.337+/-1.805 χ^2/NDF : 1448.0/30

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.765 ± 2.781 χ^2/NDF : 363.9/16

Left Out: 6.269 ± 1.706 χ^2/NDF : 276.1/15

Right Out: -9.417 ± 2.613 χ^2/NDF : 369.6/18

Left In: 6.853 ± 1.787 χ^2/NDF : 280.8/14

Left: 6.547 ± 1.234 χ^2/NDF : 556.9/30

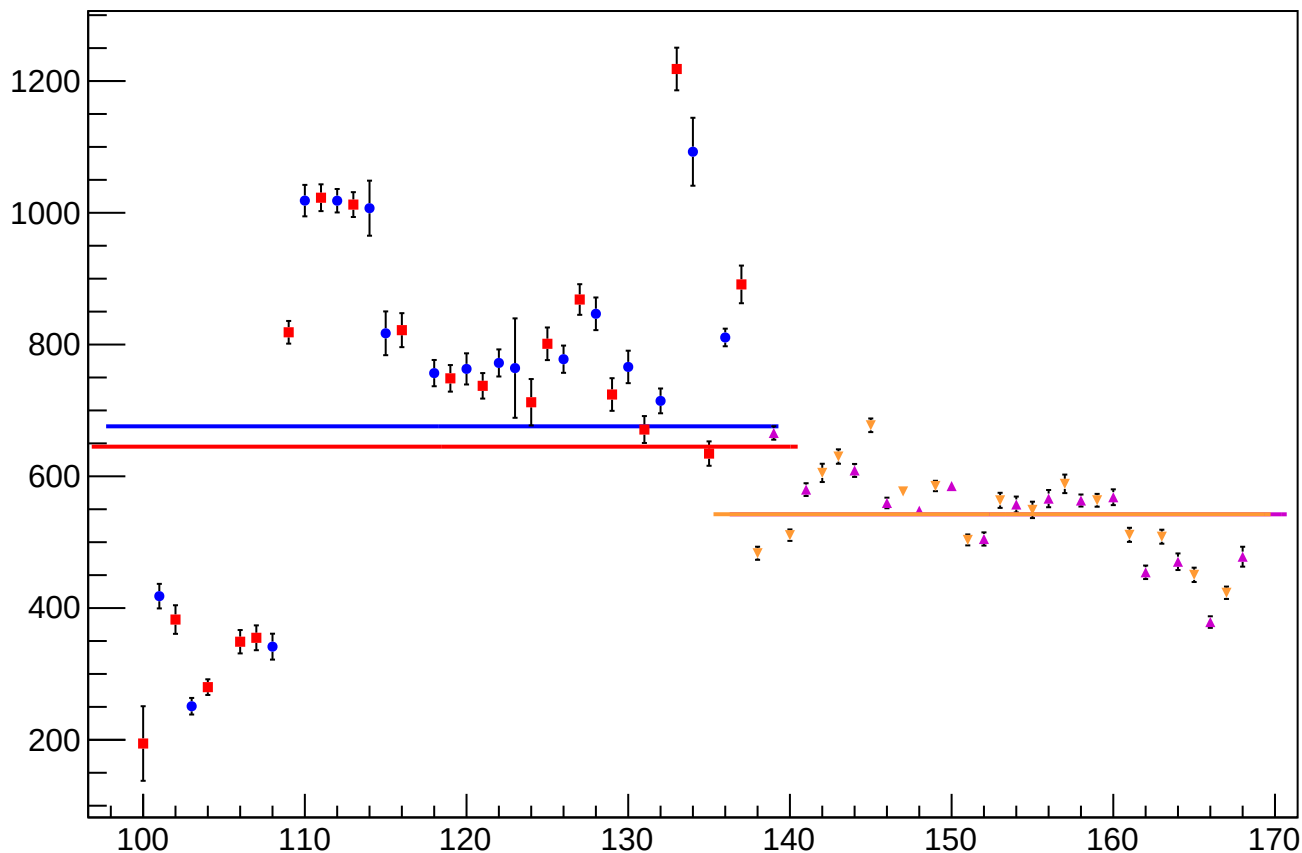
Right: -13.331 ± 1.905 χ^2/NDF : 738.2/35

In: -0.342 ± 1.504 χ^2/NDF : 700.1/31

Out: 1.583 ± 1.428 χ^2/NDF : 670.9/34

All: 0.670 ± 1.036 χ^2/NDF : 1371.9/66

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.871+/-5.037 χ^2/NDF : 2586.4/16

Left Out: 542.443+/-2.486 χ^2/NDF : 647.1/15

Right Out: 645.014+/-4.761 χ^2/NDF : 3123.3/18

Left In: 542.317+/-2.528 χ^2/NDF : 747.2/14

Left: 542.381+/-1.773 χ^2/NDF : 1394.3/30

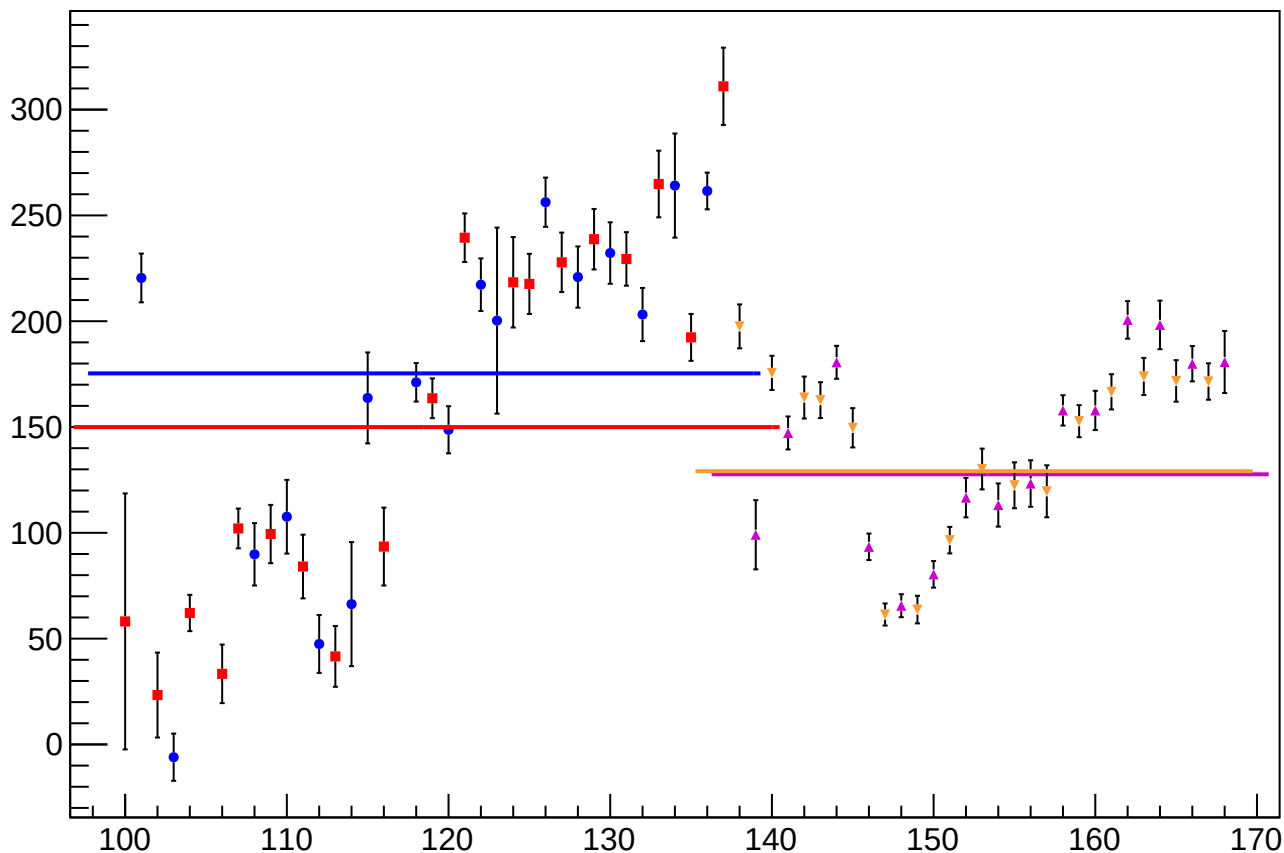
Right: 659.573+/-3.460 χ^2/NDF : 5729.5/35

In: 569.191+/-2.260 χ^2/NDF : 3895.1/31

Out: 564.425+/-2.204 χ^2/NDF : 4135.1/34

All: 566.749+/-1.578 χ^2/NDF : 8032.5/66

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.341 $\pm$ 3.203 χ^2 /NDF: 638.5/16

Left Out: 129.131 $\pm$ 2.039 χ^2 /NDF:505.2/15

Right Out: 149.966 $\pm$ 3.045 χ^2 /NDF: 693.2/18

Left In: 127.658 $\pm$ 2.126 χ^2 /NDF:462.6/14

Left: 128.425 $\pm$ 1.472 χ^2 /NDF: 968.0/30

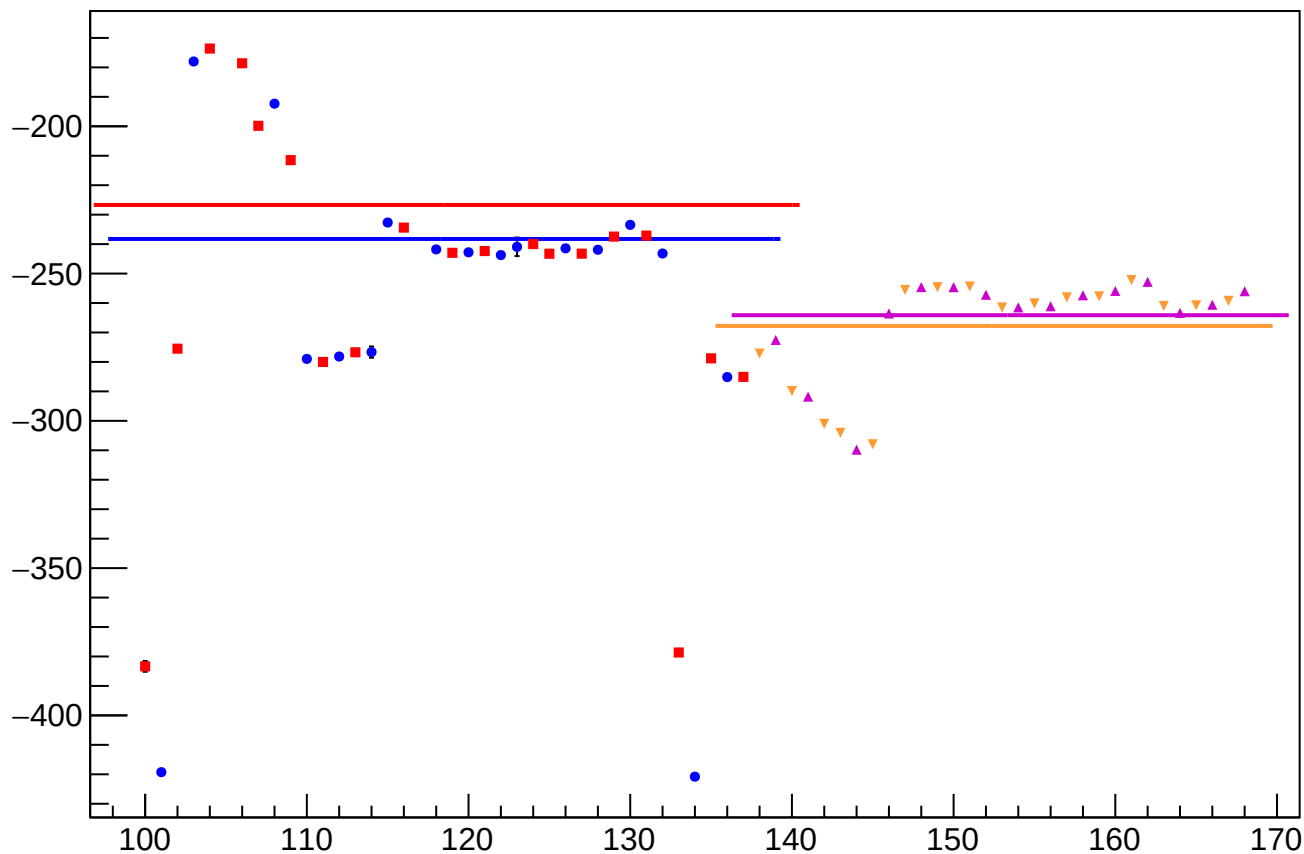
Right: 162.013 $\pm$ 2.207 χ^2 /NDF: 1364.6/35

In: 142.241 $\pm$ 1.771 χ^2 /NDF:1254.9/31

Out: 135.581 $\pm$ 1.694 χ^2 /NDF:1230.7/34

All: 138.763 $\pm$ 1.224 χ^2 /NDF: 2493.0/66

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.248 ± 0.160 χ^2/NDF : 167125.9/16

Left Out: -267.786 ± 0.100 χ^2/NDF : 32368.6/15

Right Out: -226.706 ± 0.151 χ^2/NDF : 102831.3/18

Left In: -264.134 ± 0.101 χ^2/NDF : 20774.1/14

Left: -265.982 ± 0.071 χ^2/NDF : 53799.1/30

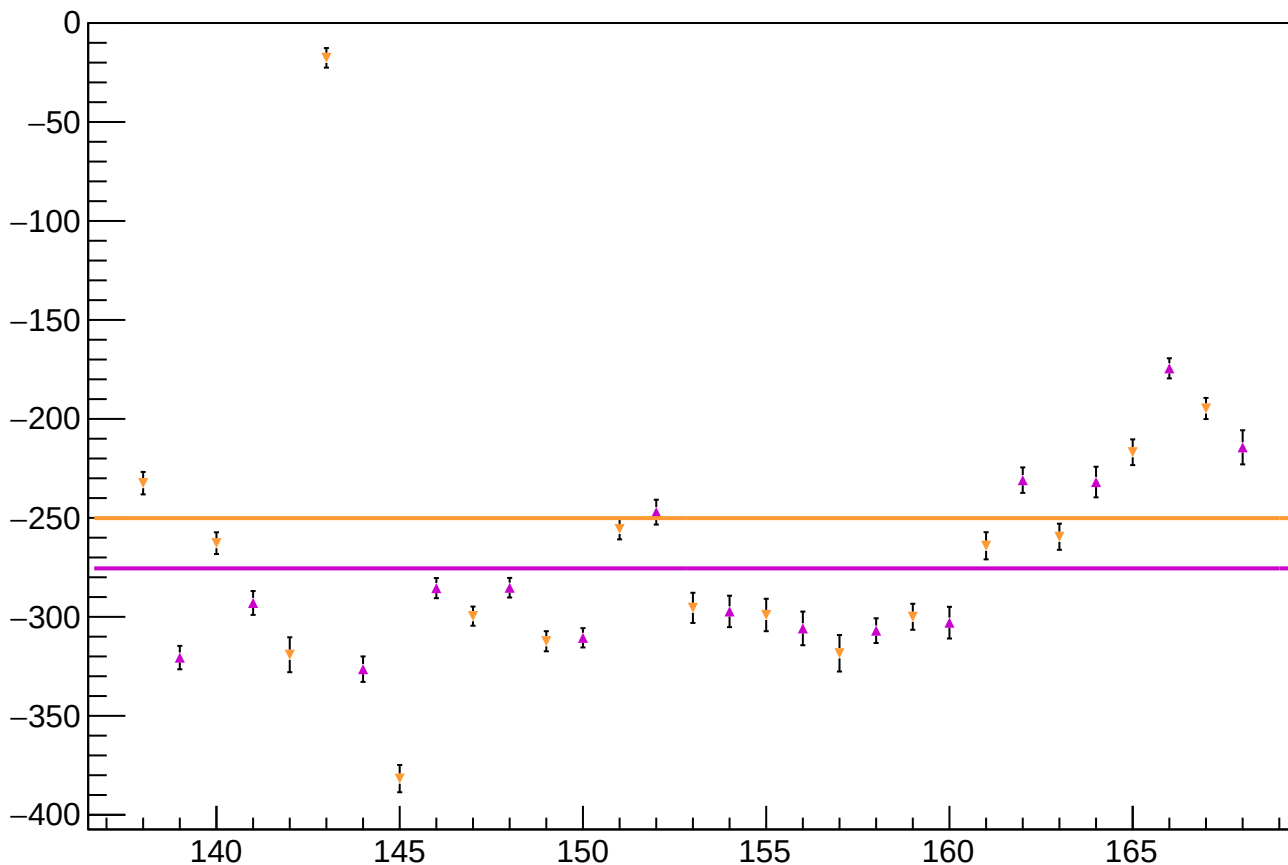
Right: -232.150 ± 0.110 χ^2/NDF : 272709.4/35

In: -256.710 ± 0.086 χ^2/NDF : 206585.7/31

Out: -255.241 ± 0.083 χ^2/NDF : 186544.1/34

All: -255.957 ± 0.060 χ^2/NDF : 393280.4/66

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -250.124+/-1.531 χ^2/NDF : 3230.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -275.511+/-1.599 χ^2/NDF : 791.0/14

Left: -262.263+/-1.106 χ^2/NDF : 4152.6/30

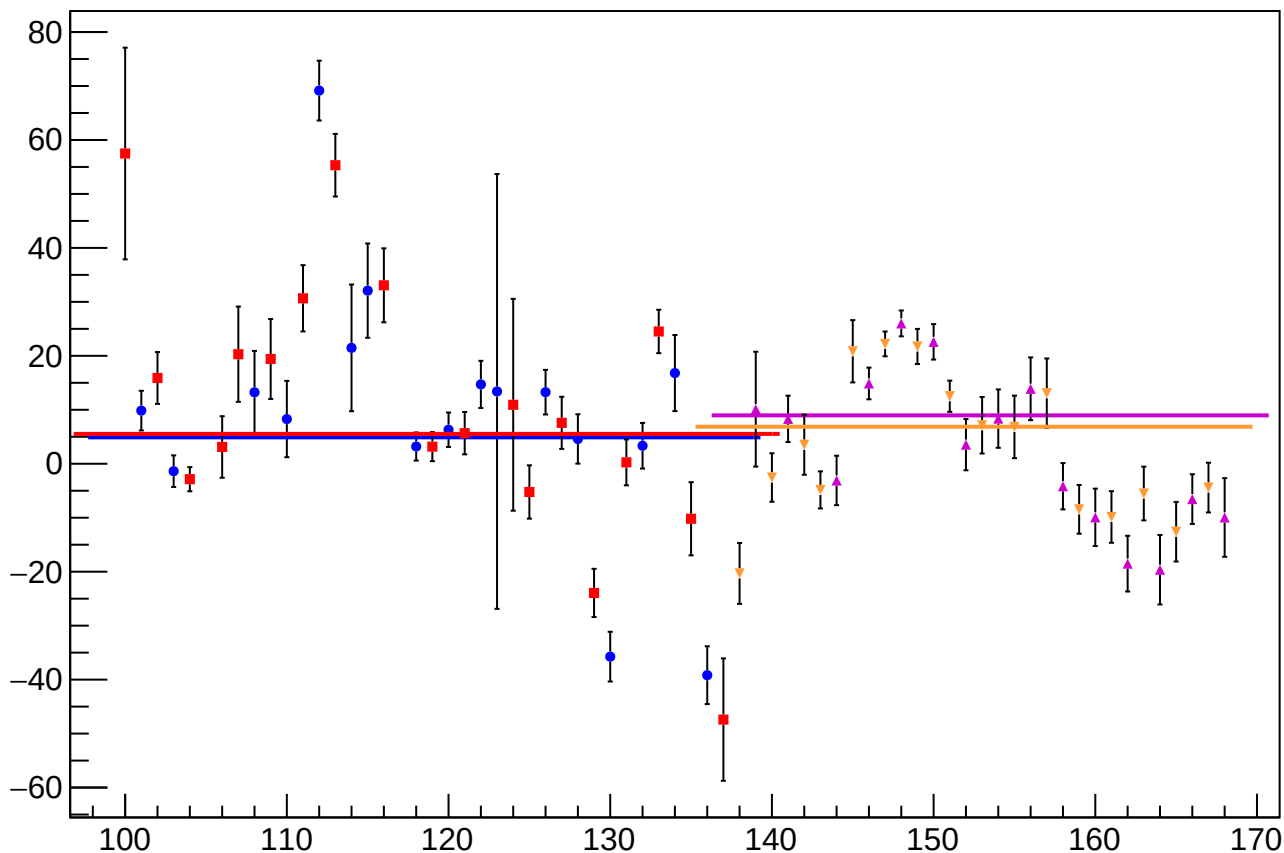
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -275.511+/-1.599 χ^2/NDF : 791.0/14

Out: -250.124+/-1.531 χ^2/NDF : 3230.1/15

All: -262.263+/-1.106 χ^2/NDF : 4152.6/30

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.896 ± 1.089 χ^2/NDF : 312.0/16

Left Out: 6.863 ± 1.034 χ^2/NDF : 164.1/15

Right Out: 5.534 ± 1.071 χ^2/NDF : 239.1/18

Left In: 8.968 ± 1.105 χ^2/NDF : 168.8/14

Left: 7.845 ± 0.755 χ^2/NDF : 334.8/30

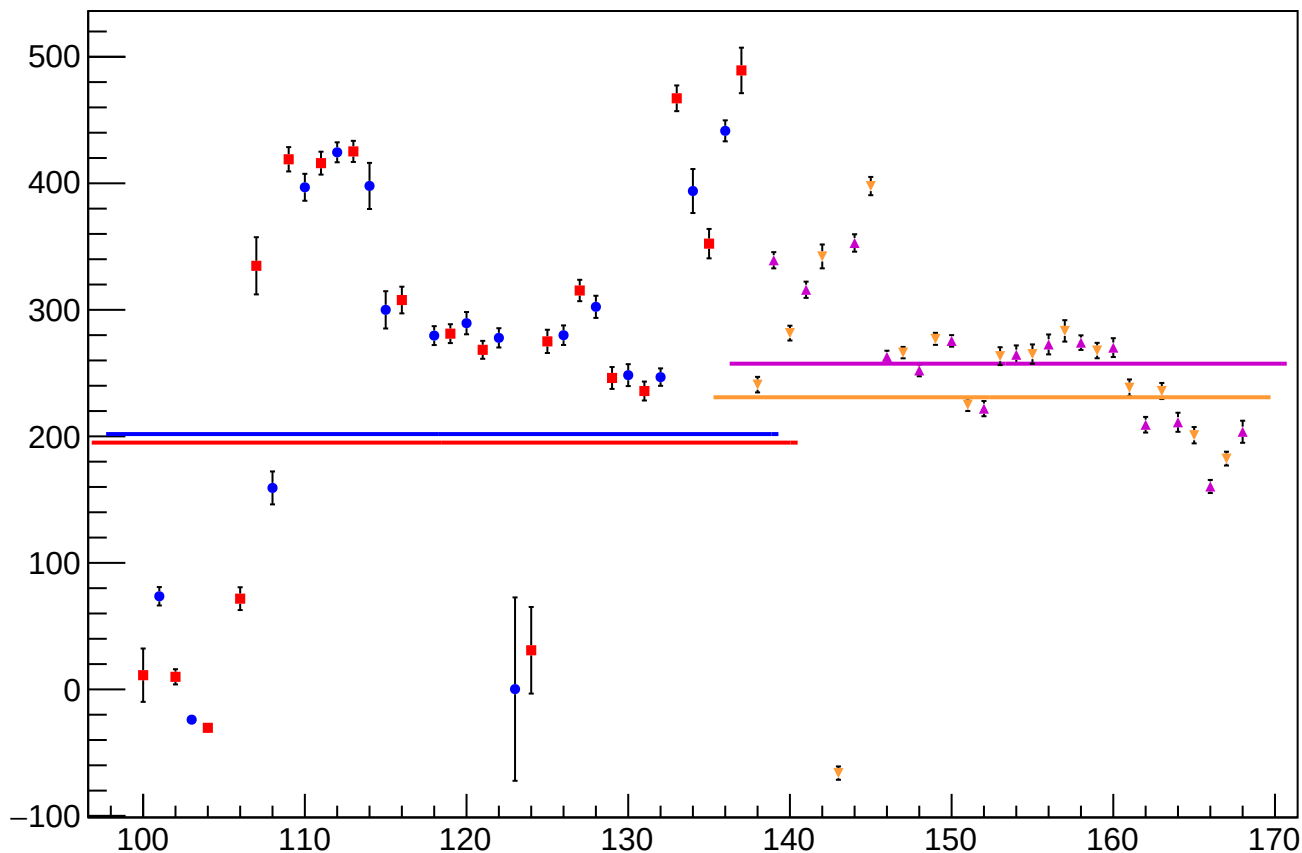
Right: 5.220 ± 0.764 χ^2/NDF : 551.3/35

In: 6.901 ± 0.776 χ^2/NDF : 487.6/31

Out: 6.222 ± 0.744 χ^2/NDF : 404.0/34

All: 6.547 ± 0.537 χ^2/NDF : 892.0/66

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 201.807 $\pm$ 1.970 χ^2 /NDF: 6754.2/16

Left Out: 230.902 $\pm$ 1.510 χ^2 /NDF:4291.3/15

Right Out: 195.053 $\pm$ 1.924 χ^2 /NDF: 8257.1/18

Left In: 257.444 $\pm$ 1.560 χ^2 /NDF:993.9/14

Left: 243.742 $\pm$ 1.085 χ^2 /NDF: 5434.7/30

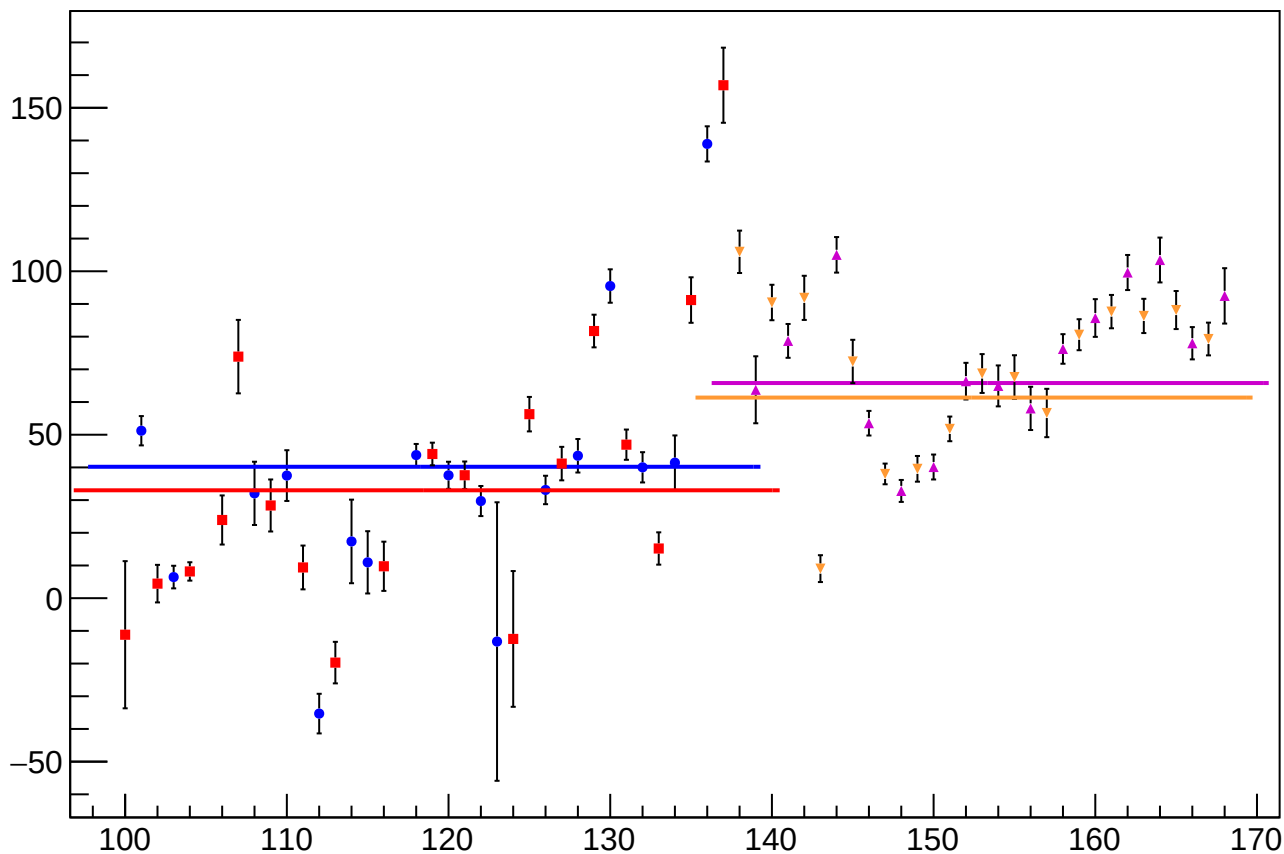
Right: 198.351 $\pm$ 1.377 χ^2 /NDF: 15017.4/35

In: 236.008 $\pm$ 1.223 χ^2 /NDF:8238.2/31

Out: 217.240 $\pm$ 1.188 χ^2 /NDF:12763.2/34

All: 226.351 $\pm$ 0.852 χ^2 /NDF: 21122.6/66

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.196 $\pm$ 1.268 χ^2 /NDF: 735.0/16

Left Out: 61.364 $\pm$ 1.236 χ^2 /NDF:455.5/15

Right Out: 32.999 $\pm$ 1.253 χ^2 /NDF: 554.1/18

Left In: 65.811 $\pm$ 1.315 χ^2 /NDF:315.2/14

Left: 63.451 $\pm$ 0.901 χ^2 /NDF: 776.8/30

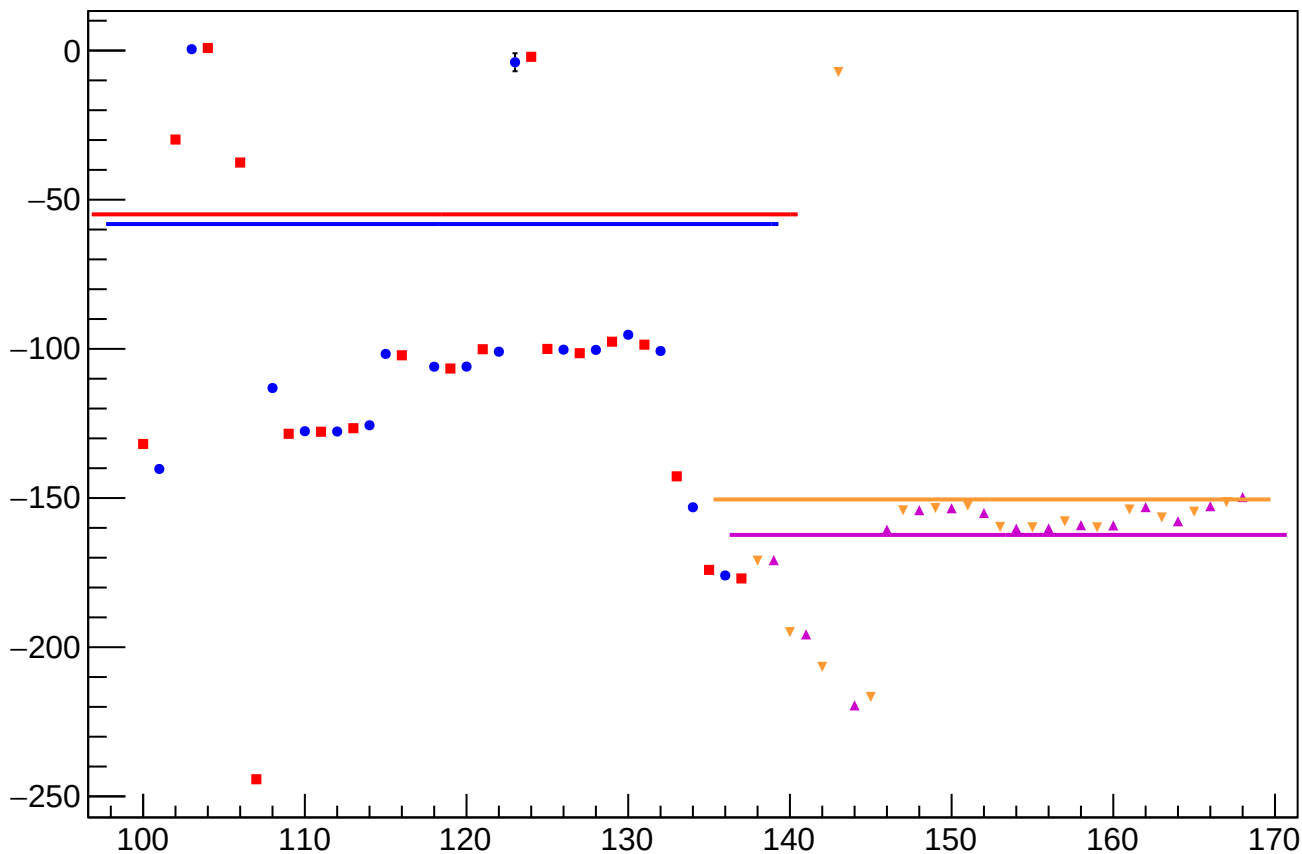
Right: 36.555 $\pm$ 0.891 χ^2 /NDF: 1305.3/35

In: 52.536 $\pm$ 0.912 χ^2 /NDF:1246.9/31

Out: 47.367 $\pm$ 0.880 χ^2 /NDF:1269.4/34

All: 49.858 $\pm$ 0.633 χ^2 /NDF: 2532.9/66

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -58.155+/-0.062 χ^2/NDF : 1105509.3/16

Left Out: -150.464+/-0.061 χ^2/NDF : 579858.5/15

Right Out: -54.914+/-0.060 χ^2/NDF : 1003885.5/18

Left In: -162.353+/-0.063 χ^2/NDF : 63994.9/14

Left: -156.238+/-0.044 χ^2/NDF : 662417.7/30

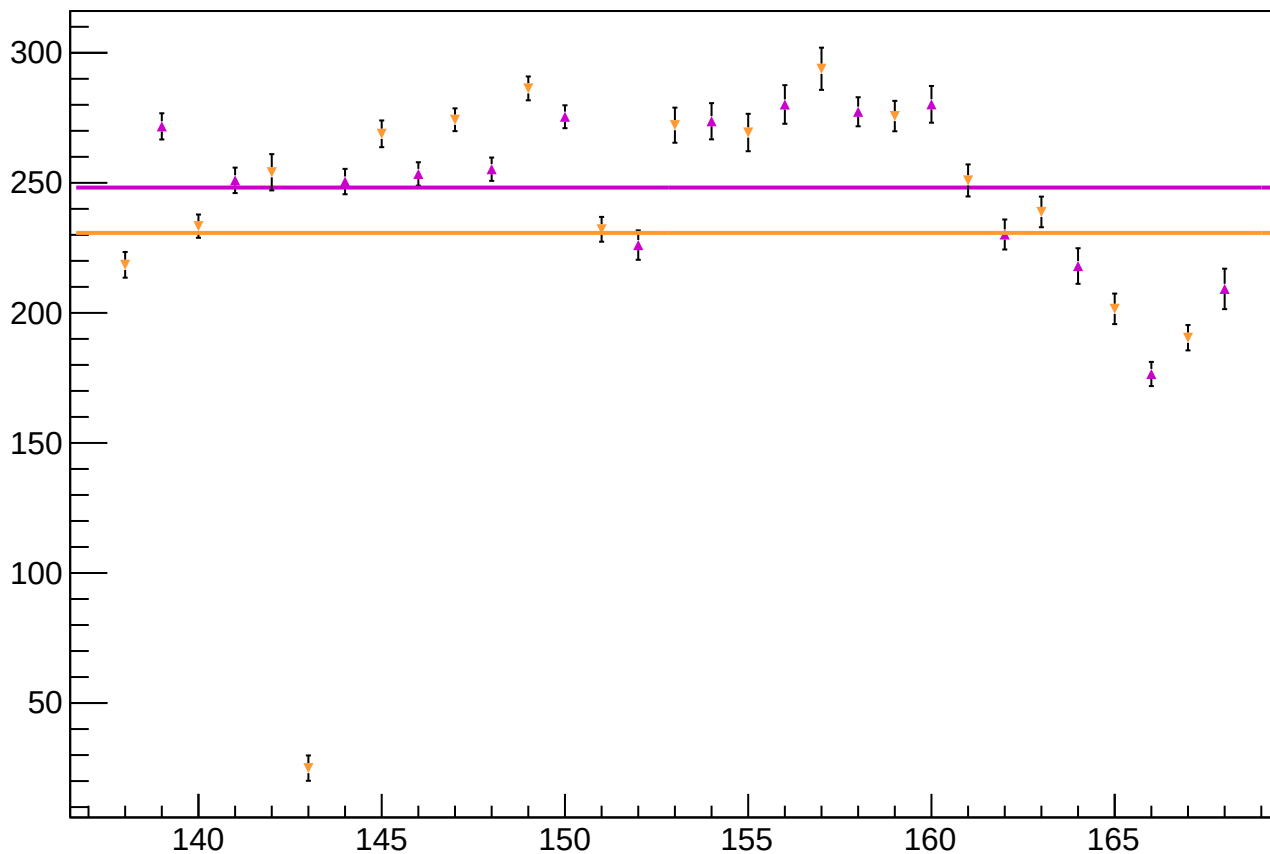
Right: -56.499+/-0.043 χ^2/NDF : 2110811.0/35

In: -109.411+/-0.044 χ^2/NDF : 2578192.6/31

Out: -102.224+/-0.043 χ^2/NDF : 2830238.3/34

All: -105.726+/-0.031 χ^2/NDF : 5422179.2/66

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 230.757+/-1.352 χ^2/NDF :2395.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 248.190+/-1.400 χ^2/NDF :451.4/14

Left: 239.172+/-0.972 χ^2/NDF : 2927.1/30

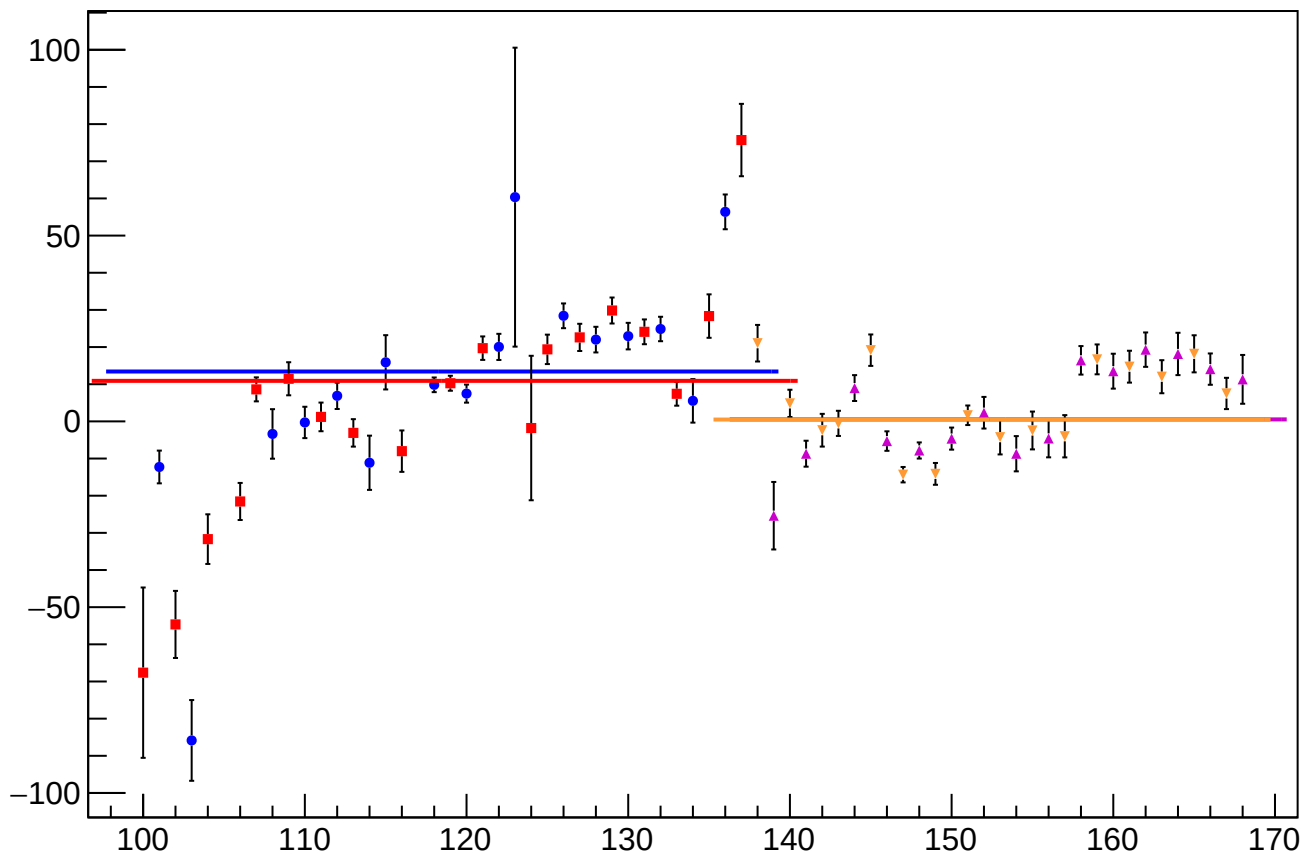
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 248.190+/-1.400 χ^2/NDF :451.4/14

Out: 230.757+/-1.352 χ^2/NDF :2395.5/15

All: 239.172+/-0.972 χ^2/NDF : 2927.1/30

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.423+/-0.920 χ^2/NDF : 295.2/16

Left Out: 0.492+/-0.920 χ^2/NDF :166.2/15

Right Out: 10.908+/-0.916 χ^2/NDF : 302.6/18

Left In: 0.536+/-0.973 χ^2/NDF :112.6/14

Left: 0.513+/-0.668 χ^2/NDF : 278.8/30

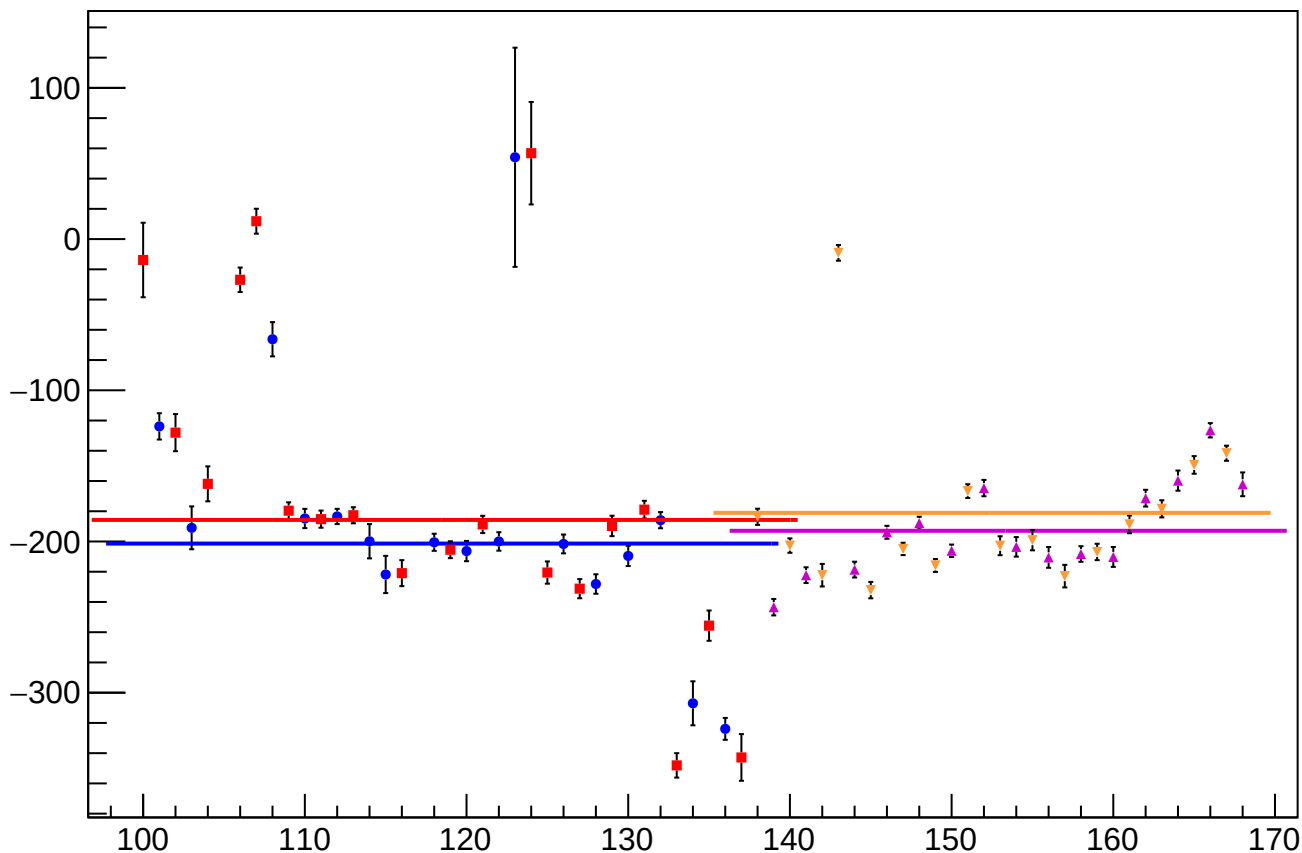
Right: 12.160+/-0.649 χ^2/NDF : 601.6/35

In: 7.344+/-0.668 χ^2/NDF :500.5/31

Out: 5.721+/-0.649 χ^2/NDF :533.1/34

All: 6.509+/-0.466 χ^2/NDF : 1036.6/66

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.384 $\pm$ 1.779 χ^2/NDF : 623.5/16

Left Out: -181.057 $\pm$ 1.337 χ^2/NDF :1511.3/15

Right Out: -185.739 $\pm$ 1.700 χ^2/NDF : 1749.3/18

Left In: -192.927 $\pm$ 1.370 χ^2/NDF :458.1/14

Left: -186.846 $\pm$ 0.957 χ^2/NDF : 2007.8/30

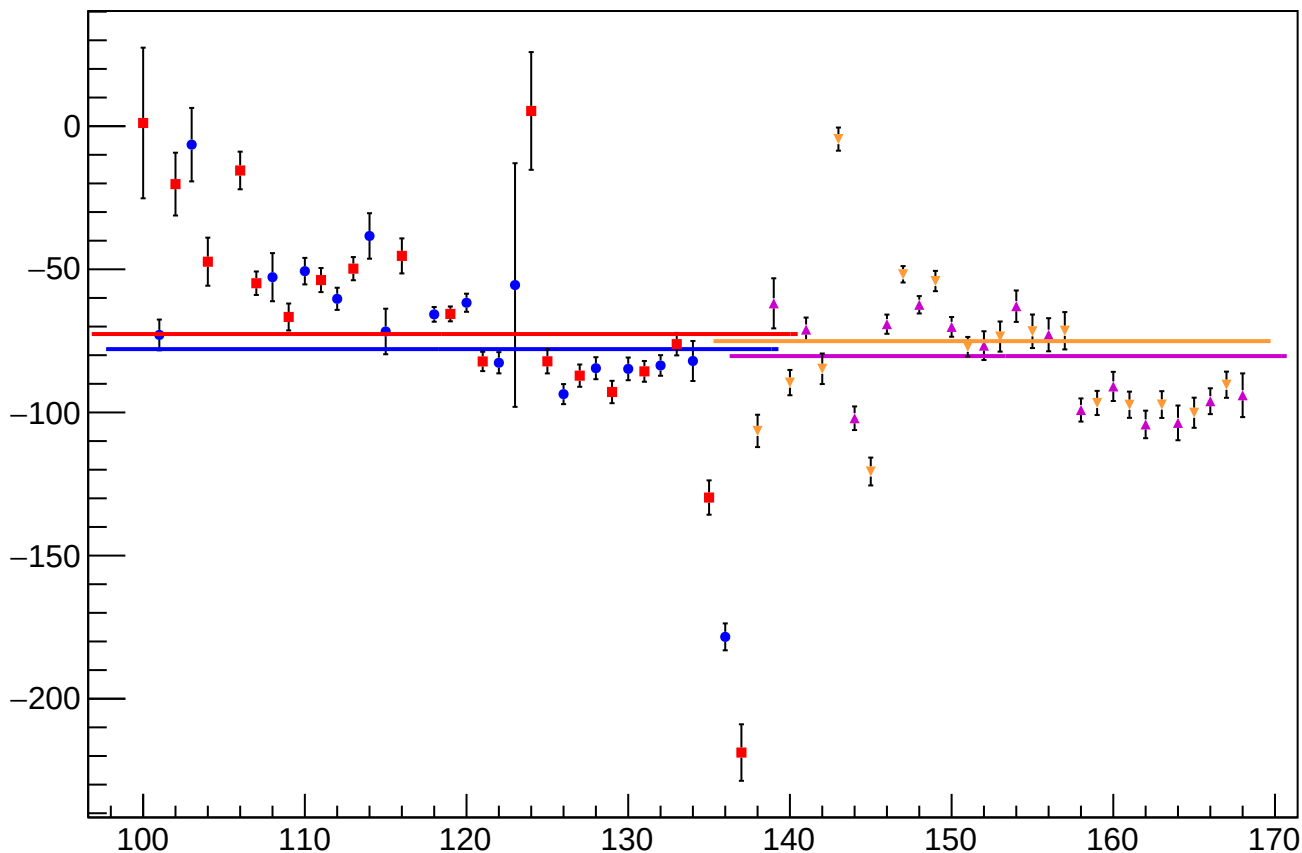
Right: -193.204 $\pm$ 1.229 χ^2/NDF : 2413.2/35

In: -196.074 $\pm$ 1.086 χ^2/NDF :1095.7/31

Out: -182.846 $\pm$ 1.051 χ^2/NDF :3265.2/34

All: -189.245 $\pm$ 0.755 χ^2/NDF : 4437.6/66

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.877 ± 1.066 χ^2/NDF : 658.2/16

Left Out: -75.085 ± 1.098 χ^2/NDF : 645.2/15

Right Out: -72.612 ± 1.054 χ^2/NDF : 606.9/18

Left In: -80.314 ± 1.156 χ^2/NDF : 184.6/14

Left: -77.565 ± 0.796 χ^2/NDF : 840.6/30

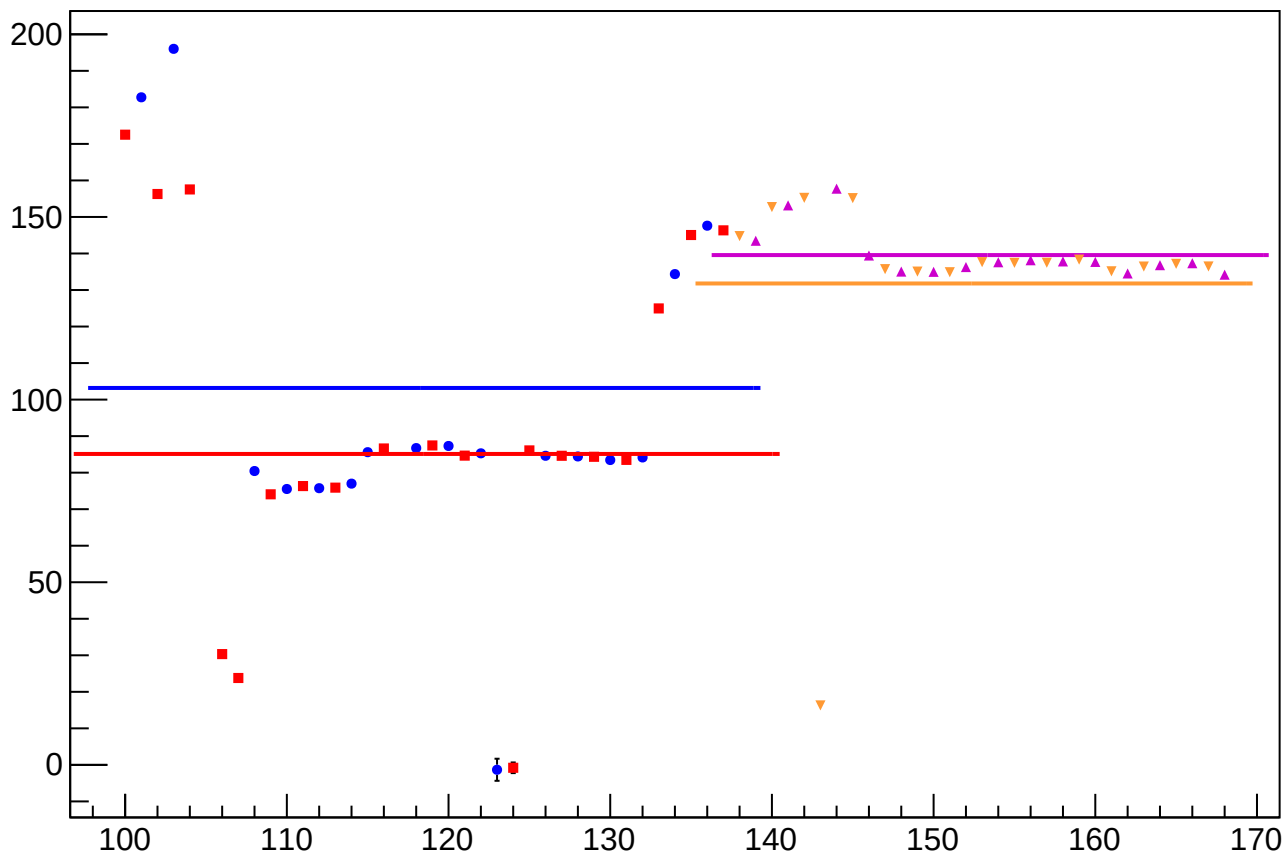
Right: -75.215 ± 0.749 χ^2/NDF : 1277.4/35

In: -78.997 ± 0.783 χ^2/NDF : 845.2/31

Out: -73.798 ± 0.760 χ^2/NDF : 1254.7/34

All: -76.319 ± 0.546 χ^2/NDF : 2122.6/66

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.188 $\pm$ 0.070 χ^2 /NDF: 273587.8/16

Left Out: 131.790 $\pm$ 0.054 χ^2 /NDF: 346084.6/15

Right Out: 85.121 $\pm$ 0.064 χ^2 /NDF: 423521.4/18

Left In: 139.566 $\pm$ 0.055 χ^2 /NDF: 13802.2/14

Left: 135.595 $\pm$ 0.038 χ^2 /NDF: 370118.2/30

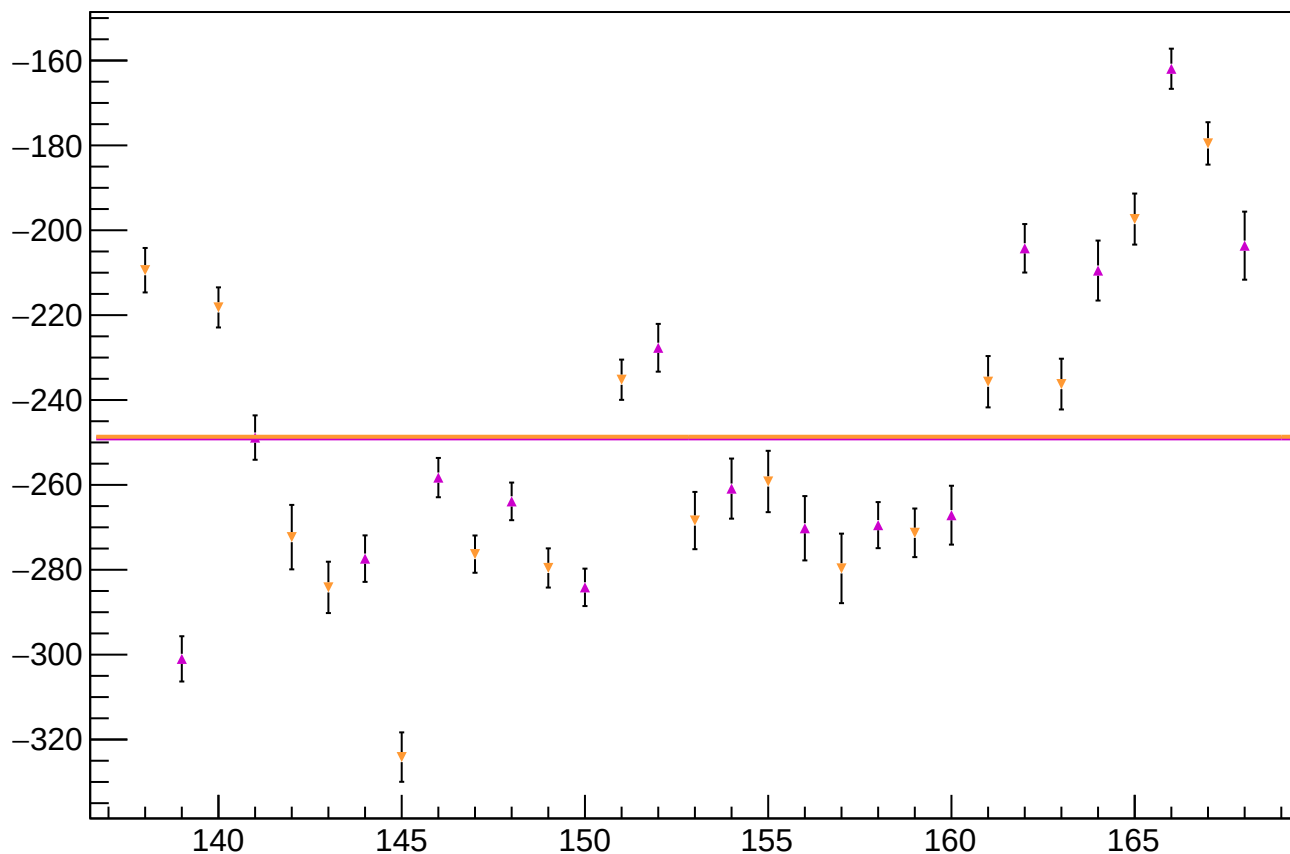
Right: 93.266 $\pm$ 0.047 χ^2 /NDF: 733347.5/35

In: 125.782 $\pm$ 0.043 χ^2 /NDF: 453539.0/31

Out: 112.380 $\pm$ 0.041 χ^2 /NDF: 1082867.5/34

All: 118.732 $\pm$ 0.030 χ^2 /NDF: 1586813.0/66

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -248.654+/-1.403 χ^2/NDF : 716.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -249.042+/-1.431 χ^2/NDF : 709.4/14

Left: -248.844+/-1.002 χ^2/NDF : 1425.4/30

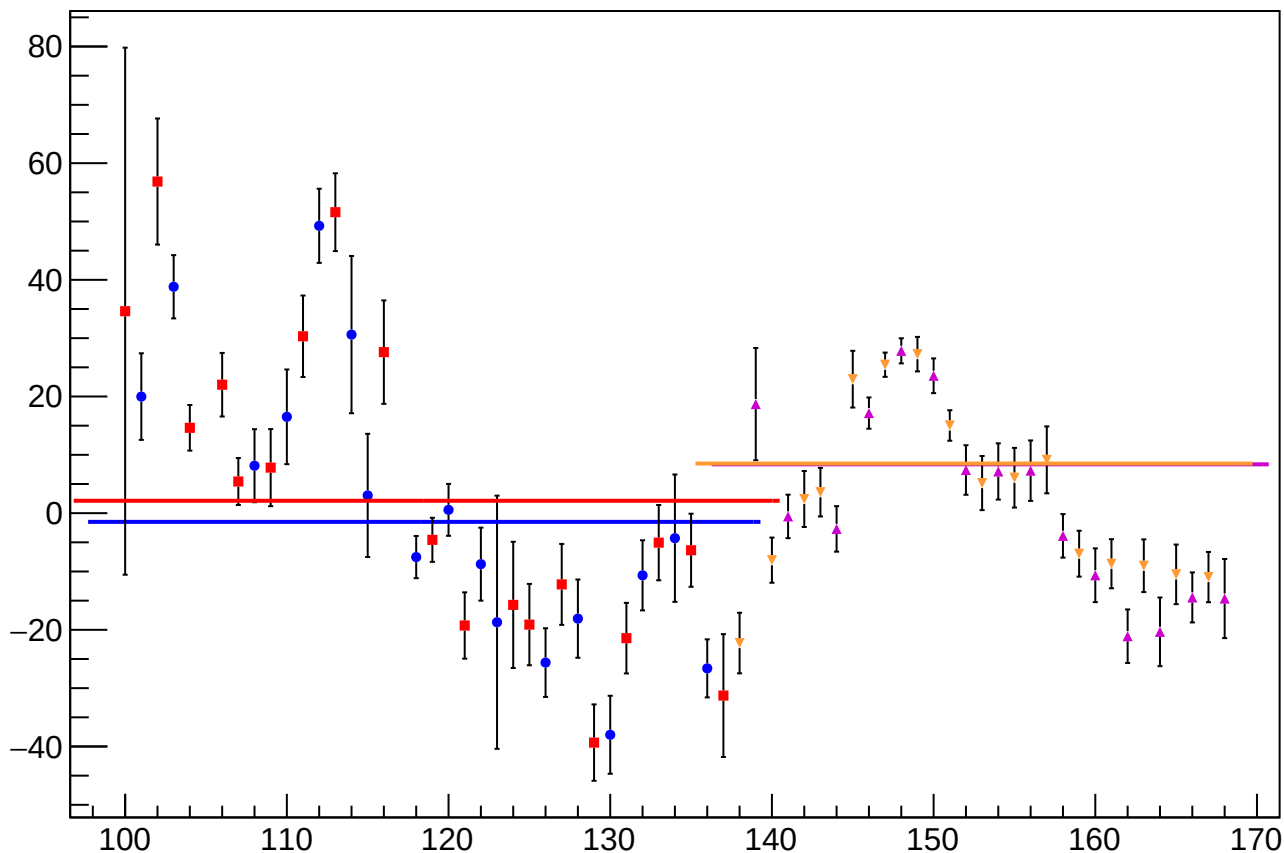
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -249.042+/-1.431 χ^2/NDF : 709.4/14

Out: -248.654+/-1.403 χ^2/NDF : 716.0/15

All: -248.844+/-1.002 χ^2/NDF : 1425.4/30

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.492 ± 1.513 $\chi^2/\text{NDF}: 226.1/16$

Left Out: 8.507 ± 0.947 $\chi^2/\text{NDF}: 260.1/15$

Right Out: 2.127 ± 1.402 $\chi^2/\text{NDF}: 232.6/18$

Left In: 8.370 ± 0.988 $\chi^2/\text{NDF}: 266.5/14$

Left: 8.441 ± 0.684 $\chi^2/\text{NDF}: 526.6/30$

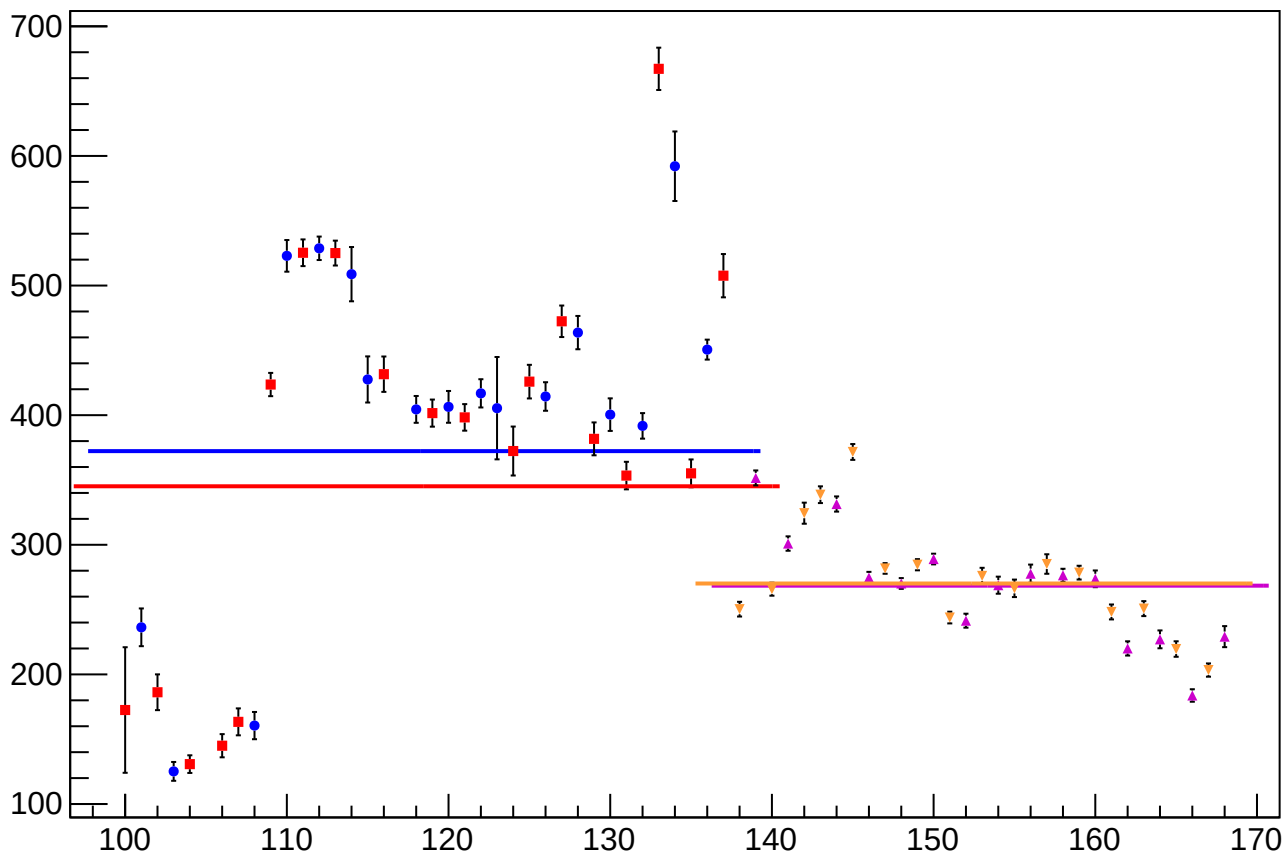
Right: 0.455 ± 1.029 $\chi^2/\text{NDF}: 461.8/35$

In: 5.423 ± 0.827 $\chi^2/\text{NDF}: 522.4/31$

Out: 6.510 ± 0.785 $\chi^2/\text{NDF}: 506.9/34$

All: 5.995 ± 0.569 $\chi^2/\text{NDF}: 1030.2/66$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 372.263+/-2.759 χ^2/NDF : 2433.1/16

Left Out: 270.126+/-1.380 χ^2/NDF : 774.4/15

Right Out: 345.135+/-2.562 χ^2/NDF : 3416.5/18

Left In: 268.460+/-1.396 χ^2/NDF : 859.8/14

Left: 269.303+/-0.981 χ^2/NDF : 1634.9/30

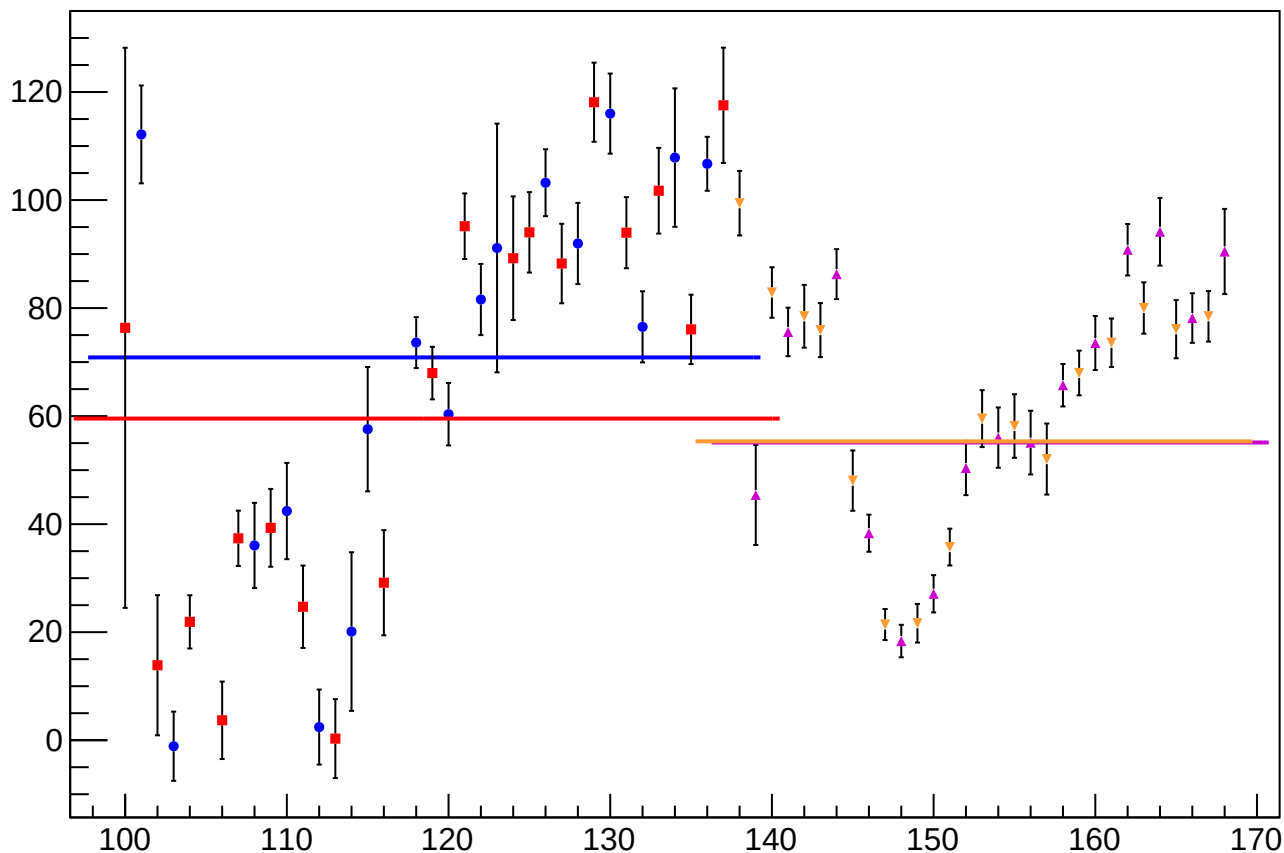
Right: 357.695+/-1.878 χ^2/NDF : 5901.5/35

In: 289.610+/-1.246 χ^2/NDF : 4419.6/31

Out: 286.986+/-1.215 χ^2/NDF : 4855.3/34

All: 288.265+/-0.870 χ^2/NDF : 9277.2/66

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 70.867 $\pm$ 1.743 χ^2 /NDF: 427.0/16

Left Out: 55.324 $\pm$ 1.131 χ^2 /NDF: 478.4/15

Right Out: 59.546 $\pm$ 1.633 χ^2 /NDF: 490.9/18

Left In: 55.117 $\pm$ 1.174 χ^2 /NDF: 468.3/14

Left: 55.225 $\pm$ 0.815 χ^2 /NDF: 946.8/30

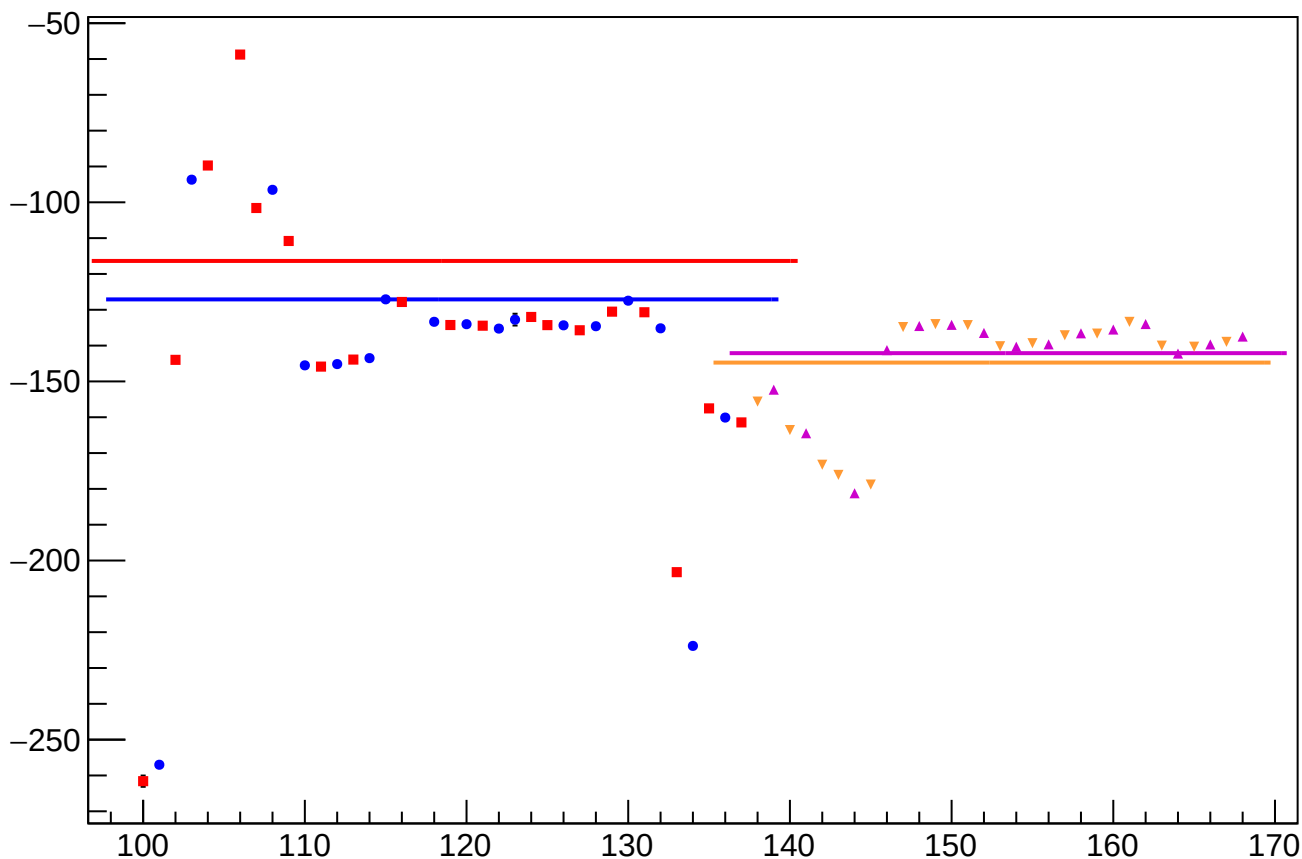
Right: 64.838 $\pm$ 1.192 χ^2 /NDF: 940.3/35

In: 60.033 $\pm$ 0.974 χ^2 /NDF: 951.5/31

Out: 56.693 $\pm$ 0.930 χ^2 /NDF: 973.8/34

All: 58.286 $\pm$ 0.672 χ^2 /NDF: 1931.5/66

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.105+/-0.089 χ^2/NDF : 167064.7/16

Left Out: -144.744+/-0.056 χ^2/NDF : 68512.1/15

Right Out: -116.369+/-0.083 χ^2/NDF : 167595.6/18

Left In: -142.111+/-0.056 χ^2/NDF : 43845.7/14

Left: -143.437+/-0.039 χ^2/NDF : 113474.1/30

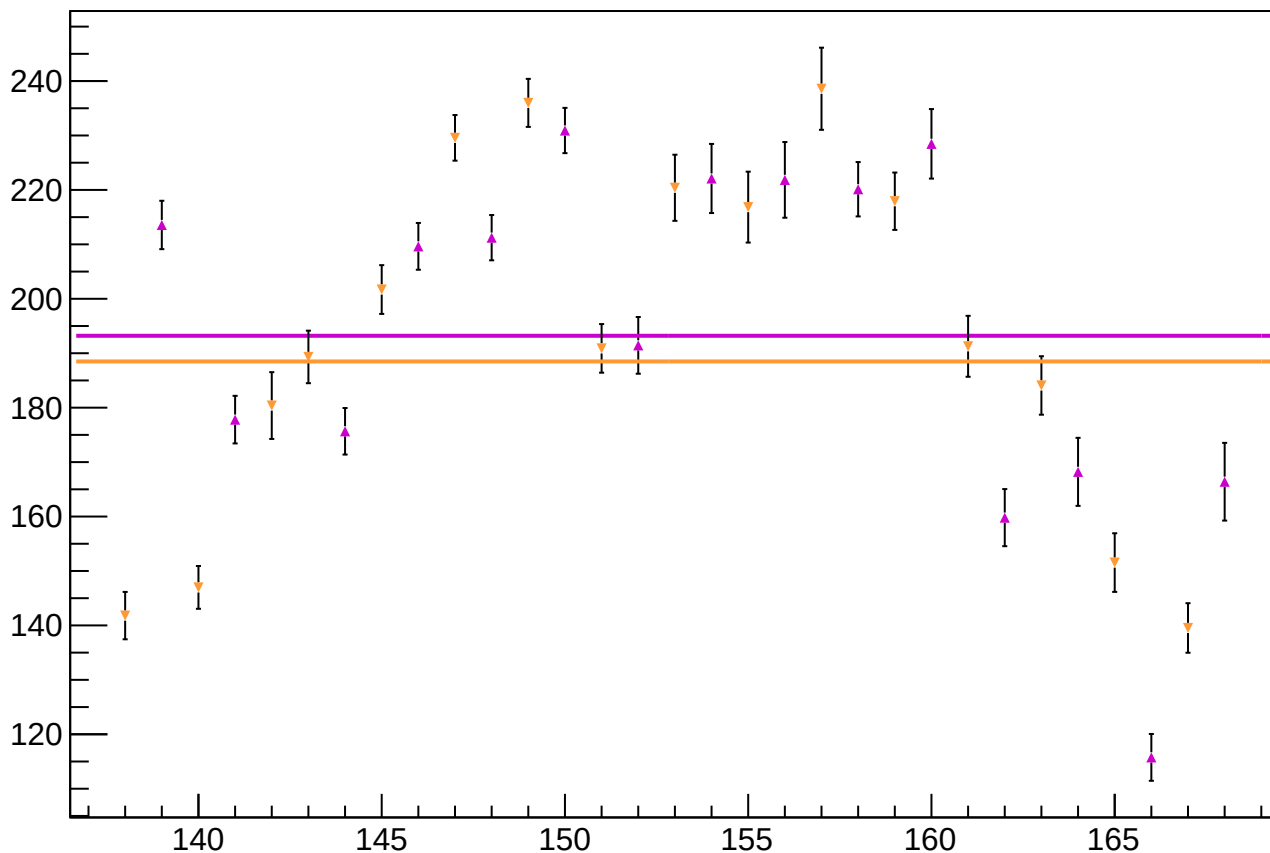
Right: -121.332+/-0.061 χ^2/NDF : 342408.2/35

In: -137.893+/-0.047 χ^2/NDF : 231151.2/31

Out: -135.962+/-0.046 χ^2/NDF : 316957.7/34

All: -136.901+/-0.033 χ^2/NDF : 548961.0/66

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 188.489+/-1.241 χ^2/NDF : 735.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 193.209+/-1.280 χ^2/NDF : 658.1/14

Left: 190.776+/-0.891 χ^2/NDF : 1400.1/30

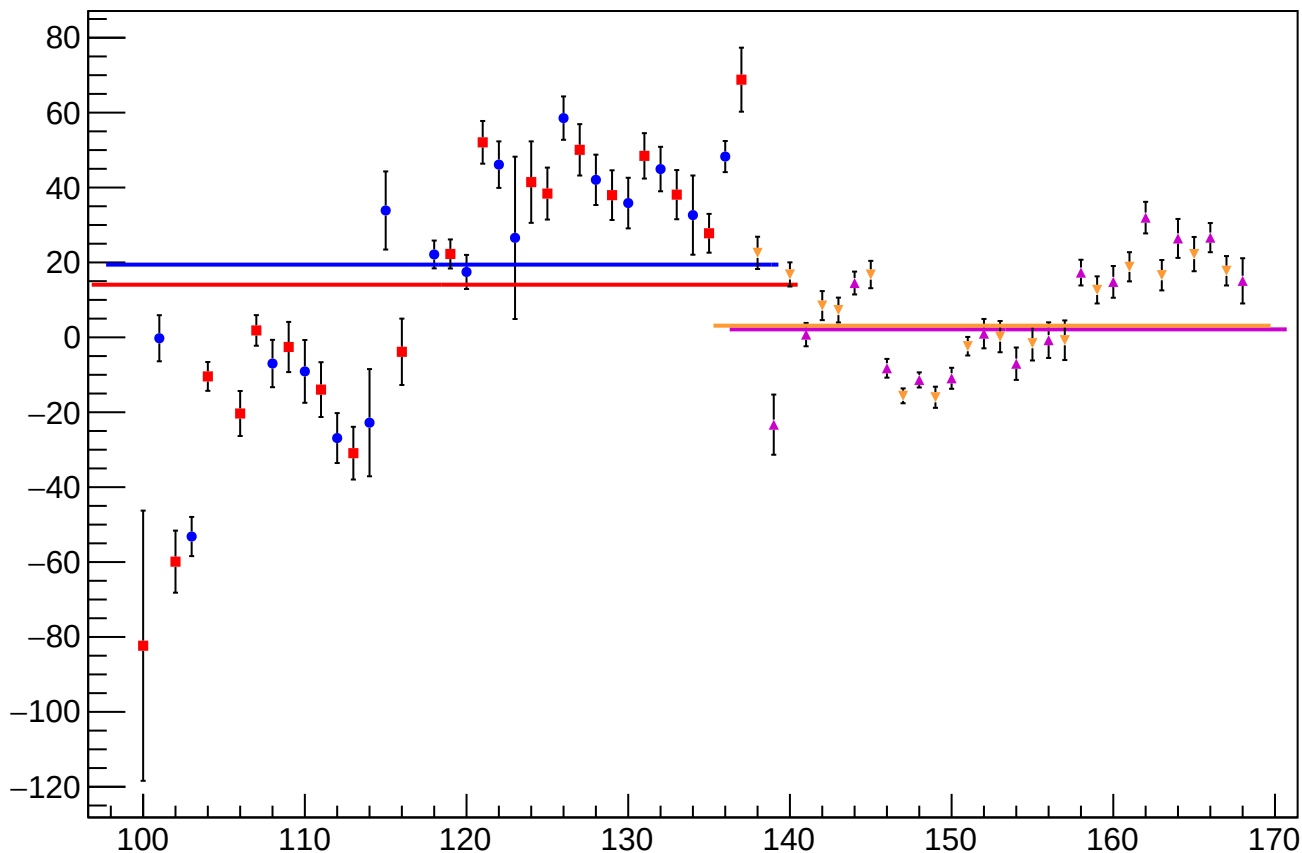
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 193.209+/-1.280 χ^2/NDF : 658.1/14

Out: 188.489+/-1.241 χ^2/NDF : 735.0/15

All: 190.776+/-0.891 χ^2/NDF : 1400.1/30

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.416+/-1.480 χ^2/NDF : 441.1/16

Left Out: 3.117+/-0.851 χ^2/NDF : 263.4/15

Right Out: 14.055+/-1.392 χ^2/NDF : 436.5/18

Left In: 2.130+/-0.895 χ^2/NDF : 259.8/14

Left: 2.648+/-0.617 χ^2/NDF : 523.8/30

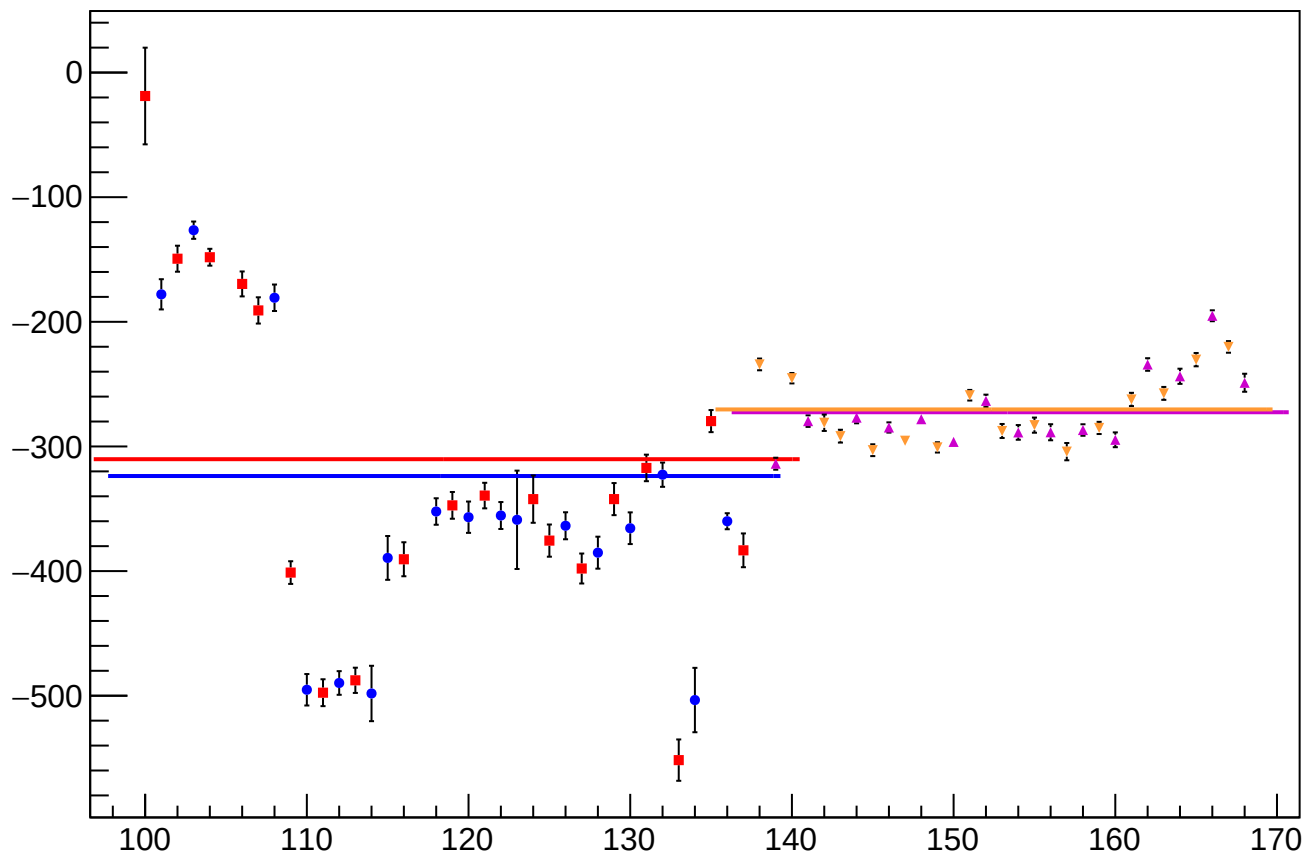
Right: 16.572+/-1.014 χ^2/NDF : 884.6/35

In: 6.761+/-0.766 χ^2/NDF : 800.8/31

Out: 6.094+/-0.726 χ^2/NDF : 744.8/34

All: 6.410+/-0.527 χ^2/NDF : 1546.0/66

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.721 $\pm$ 2.668 χ^2/NDF : 1850.8/16

Left Out: -270.299 $\pm$ 1.230 χ^2/NDF : 491.6/15

Right Out: -310.223 $\pm$ 2.523 χ^2/NDF : 2300.0/18

Left In: -272.547 $\pm$ 1.256 χ^2/NDF : 568.8/14

Left: -271.400 $\pm$ 0.879 χ^2/NDF : 1062.1/30

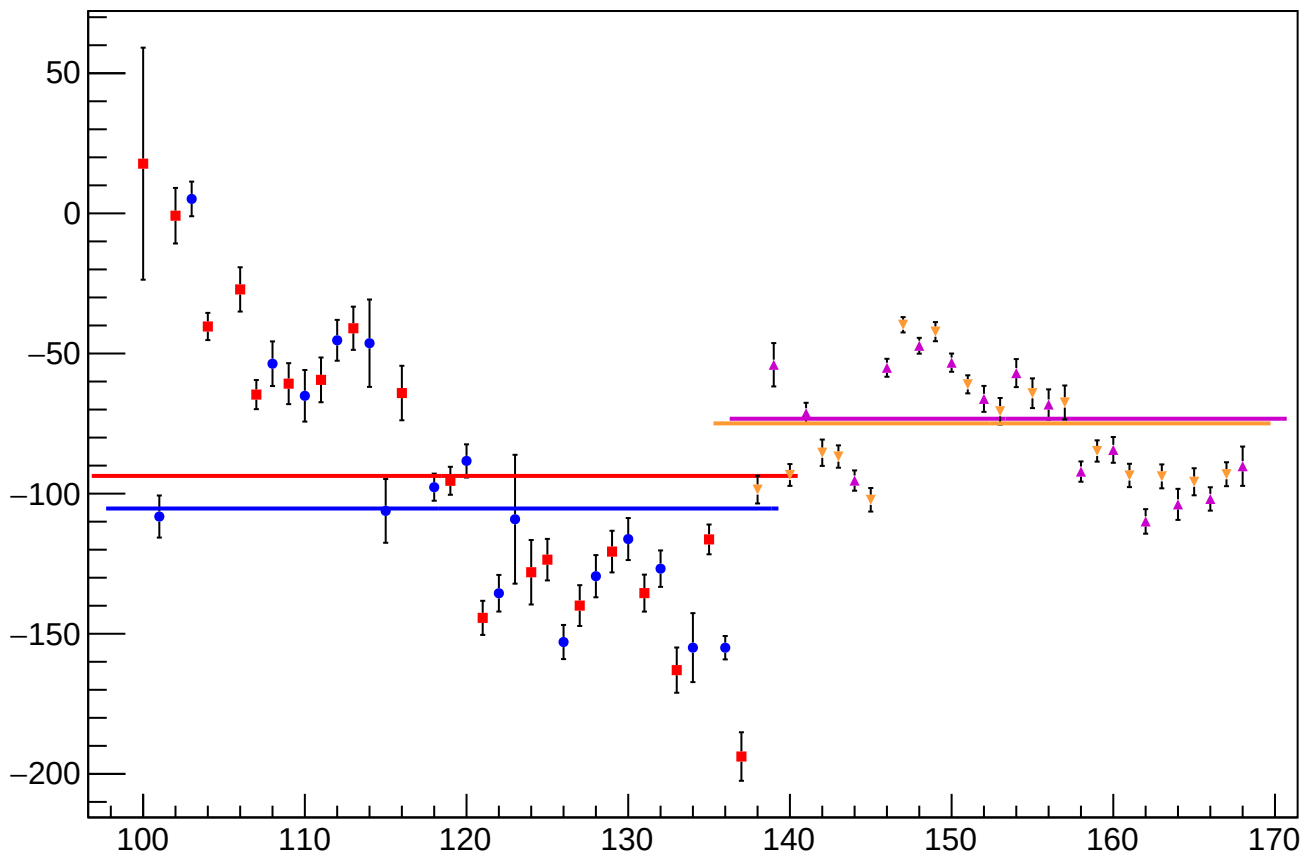
Right: -316.595 $\pm$ 1.833 χ^2/NDF : 4164.2/35

In: -281.824 $\pm$ 1.136 χ^2/NDF : 2720.7/31

Out: -277.964 $\pm$ 1.105 χ^2/NDF : 2994.0/34

All: -279.842 $\pm$ 0.792 χ^2/NDF : 5720.6/66

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.309 ± 1.693 χ^2/NDF : 737.5/16

Left Out: -74.937 ± 1.013 χ^2/NDF : 466.2/15

Right Out: -93.680 ± 1.612 χ^2/NDF : 826.5/18

Left In: -73.275 ± 1.061 χ^2/NDF : 398.9/14

Left: -74.144 ± 0.733 χ^2/NDF : 866.4/30

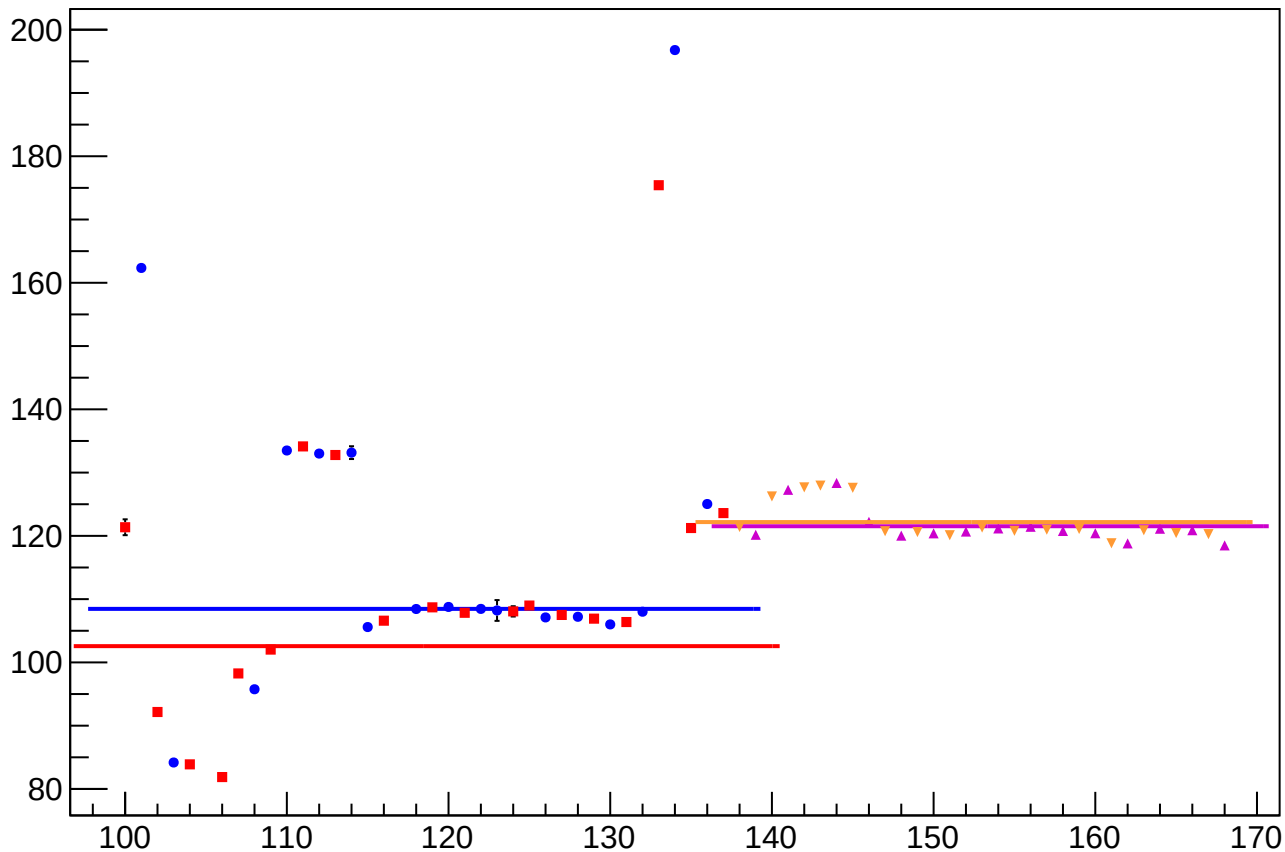
Right: -99.207 ± 1.167 χ^2/NDF : 1588.8/35

In: -82.306 ± 0.899 χ^2/NDF : 1393.4/31

Out: -80.247 ± 0.858 χ^2/NDF : 1389.7/34

All: -81.228 ± 0.621 χ^2/NDF : 2785.8/66

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.461 $\pm$ 0.085 χ^2 /NDF: 73302.1/16

Left Out: 122.180 $\pm$ 0.049 χ^2 /NDF: 3437.4/15

Right Out: 102.570 $\pm$ 0.079 χ^2 /NDF: 53143.8/18

Left In: 121.523 $\pm$ 0.050 χ^2 /NDF: 2699.0/14

Left: 121.857 $\pm$ 0.035 χ^2 /NDF: 6223.5/30

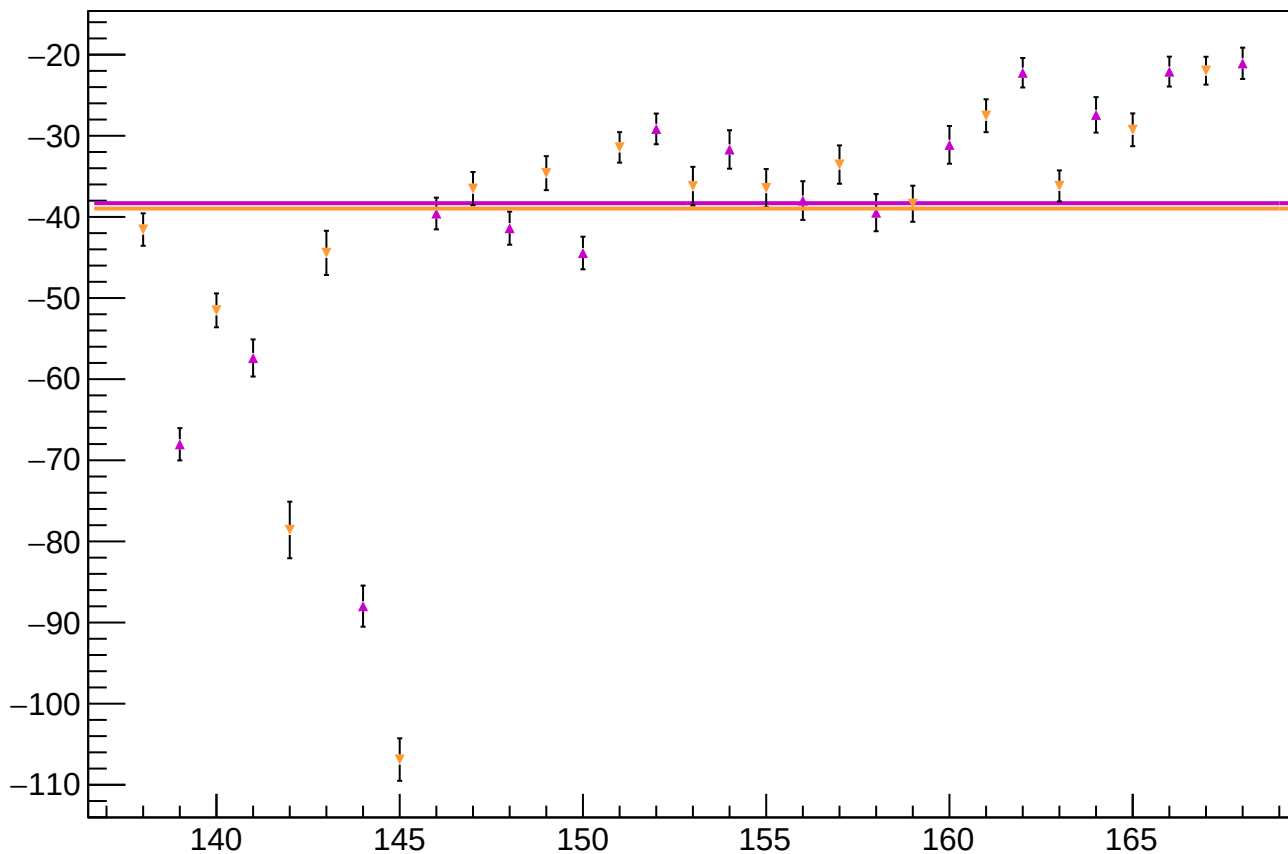
Right: 105.327 $\pm$ 0.058 χ^2 /NDF: 129018.0/35

In: 118.124 $\pm$ 0.043 χ^2 /NDF: 93586.5/31

Out: 116.716 $\pm$ 0.042 χ^2 /NDF: 100516.8/34

All: 117.399 $\pm$ 0.030 χ^2 /NDF: 194649.5/66

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -38.969+/-0.540 χ^2/NDF :1028.1/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -38.307+/-0.540 χ^2/NDF :990.1/14

Left: -38.638+/-0.382 χ^2/NDF : 2019.0/30

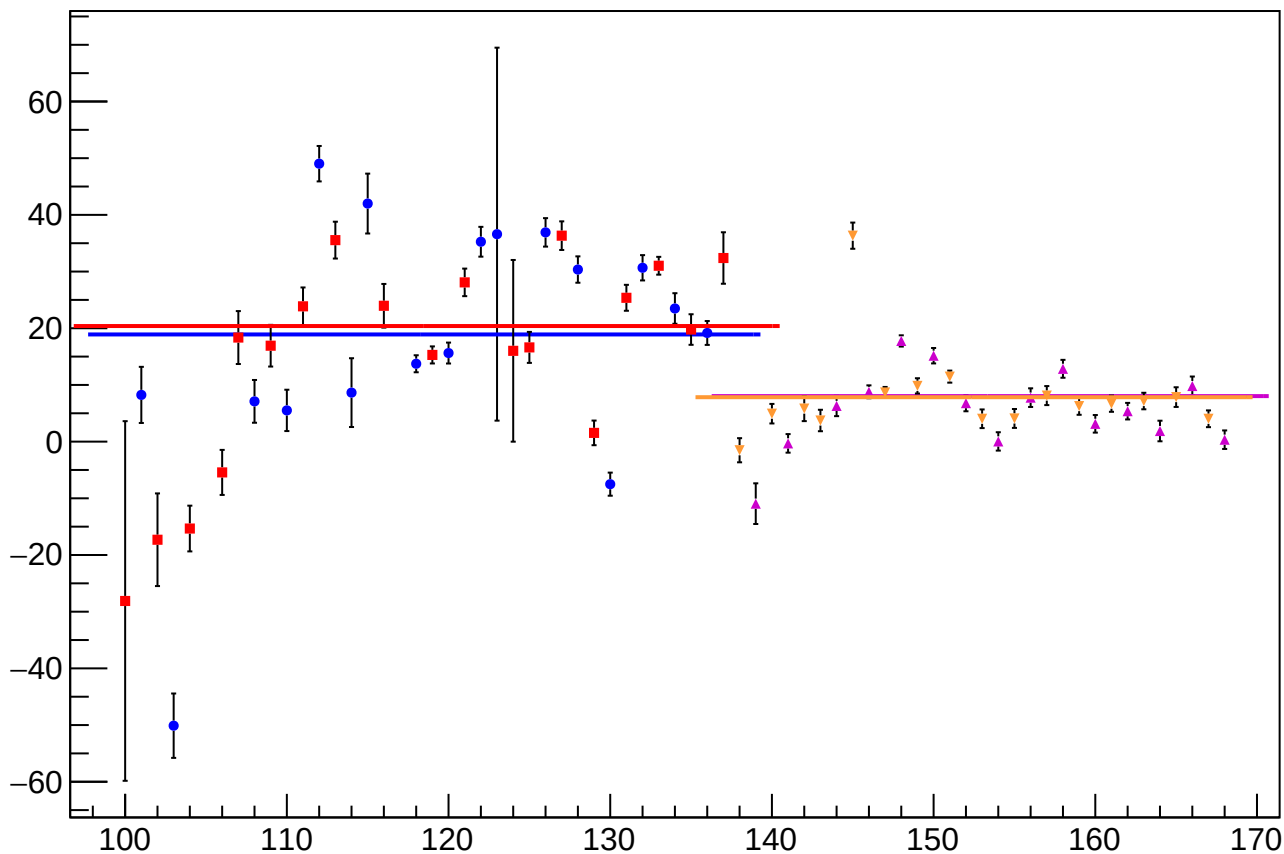
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.307+/-0.540 χ^2/NDF :990.1/14

Out: -38.969+/-0.540 χ^2/NDF :1028.1/15

All: -38.638+/-0.382 χ^2/NDF : 2019.0/30

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.906 $\pm$ 0.644 χ^2 /NDF: 618.9/16

Left Out: 7.835 $\pm$ 0.379 χ^2 /NDF:213.3/15

Right Out: 20.390 $\pm$ 0.644 χ^2 /NDF: 365.3/18

Left In: 8.029 $\pm$ 0.388 χ^2 /NDF:261.3/14

Left: 7.930 $\pm$ 0.271 χ^2 /NDF: 474.7/30

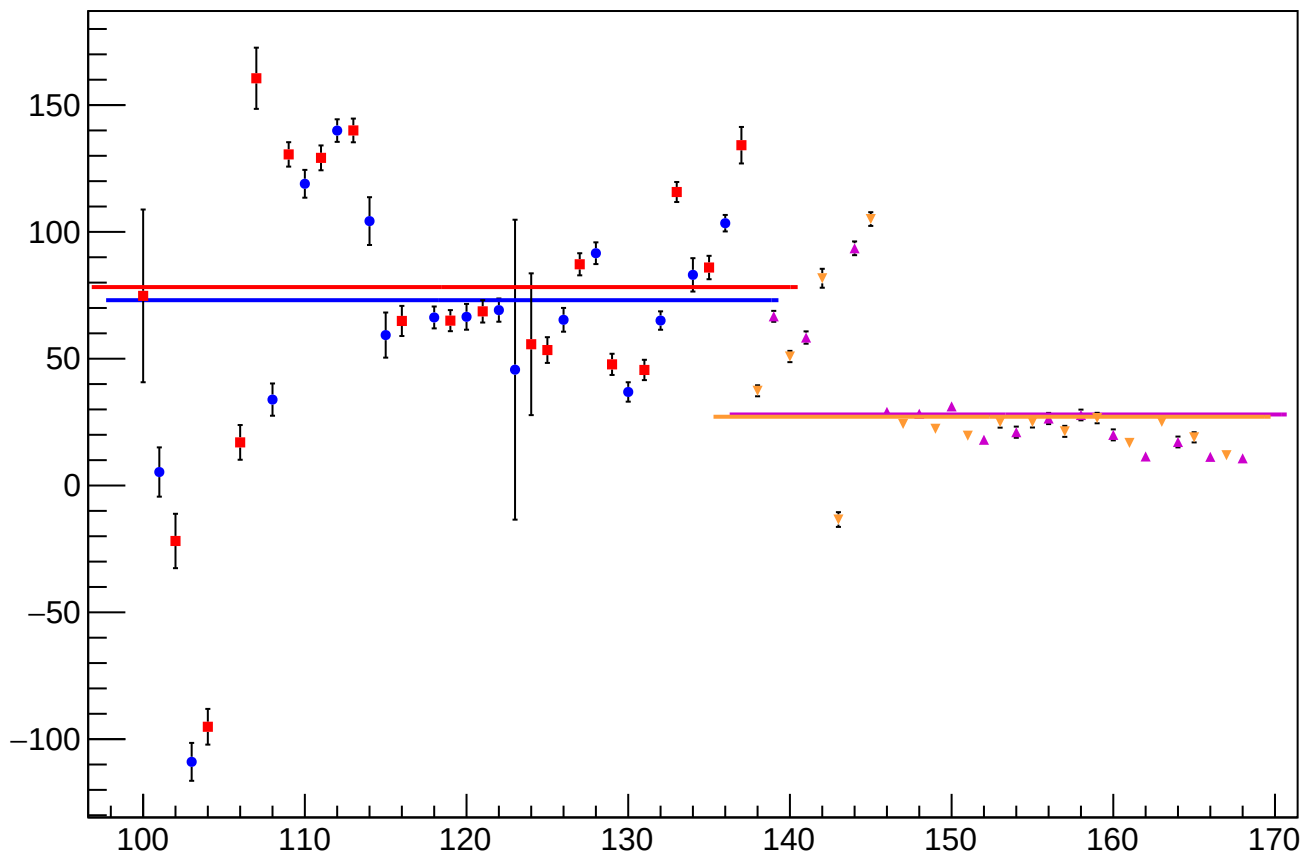
Right: 19.648 $\pm$ 0.455 χ^2 /NDF: 986.9/35

In: 10.930 $\pm$ 0.332 χ^2 /NDF:1089.7/31

Out: 11.062 $\pm$ 0.326 χ^2 /NDF:861.1/34

All: 10.997 $\pm$ 0.233 χ^2 /NDF: 1950.9/66

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.071 $\pm$ 1.228 χ^2 /NDF: 1200.0/16

Left Out: 27.118 $\pm$ 0.529 χ^2 /NDF:1530.3/15

Right Out: 78.241 $\pm$ 1.223 χ^2 /NDF: 1542.7/18

Left In: 28.011 $\pm$ 0.526 χ^2 /NDF:1393.4/14

Left: 27.567 $\pm$ 0.373 χ^2 /NDF: 2925.2/30

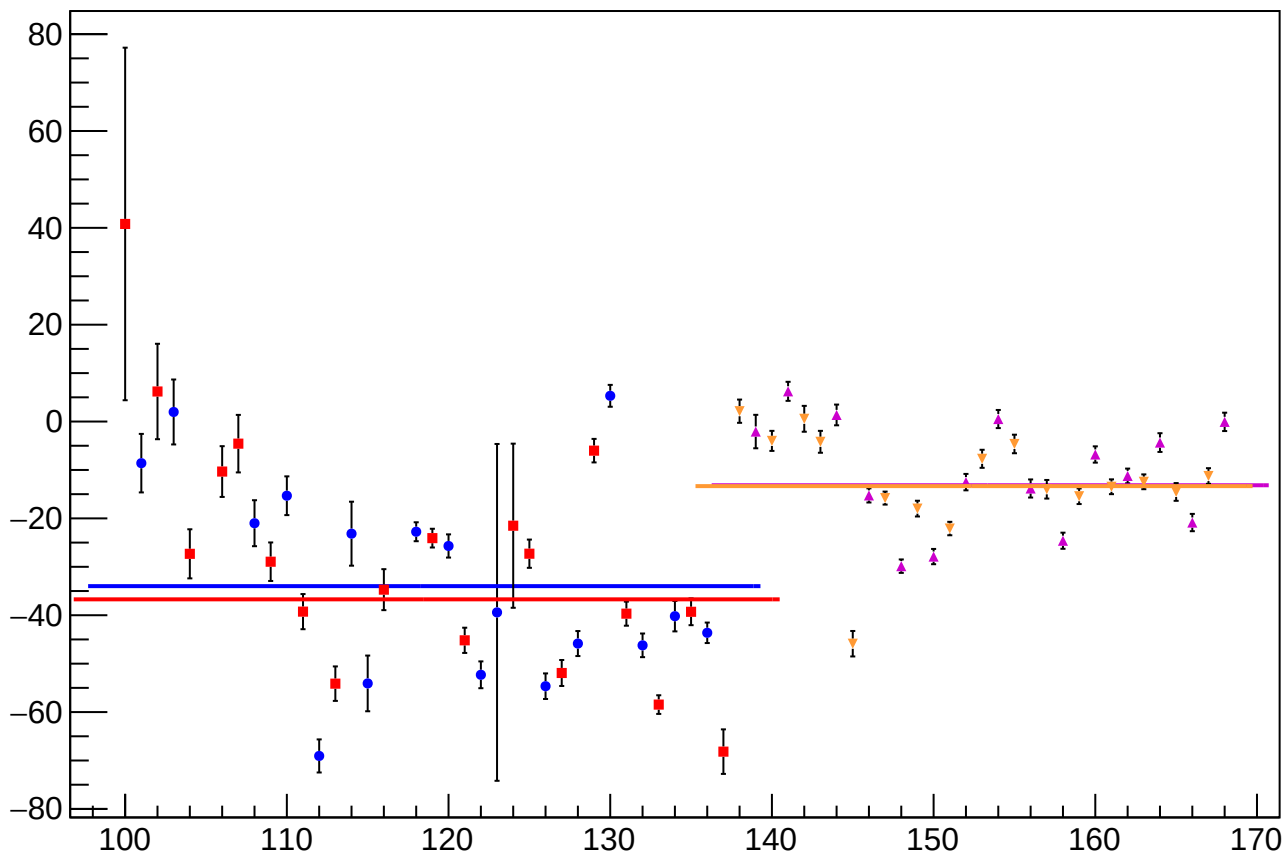
Right: 75.667 $\pm$ 0.866 χ^2 /NDF: 2751.5/35

In: 35.004 $\pm$ 0.484 χ^2 /NDF:3731.2/31

Out: 35.180 $\pm$ 0.485 χ^2 /NDF:4545.8/34

All: 35.092 $\pm$ 0.343 χ^2 /NDF: 8277.1/66

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.991 ± 0.736 χ^2/NDF : 719.8/16

Left Out: -13.337 ± 0.443 χ^2/NDF : 343.9/15

Right Out: -36.719 ± 0.737 χ^2/NDF : 542.9/18

Left In: -13.159 ± 0.453 χ^2/NDF : 591.8/14

Left: -13.250 ± 0.317 χ^2/NDF : 935.7/30

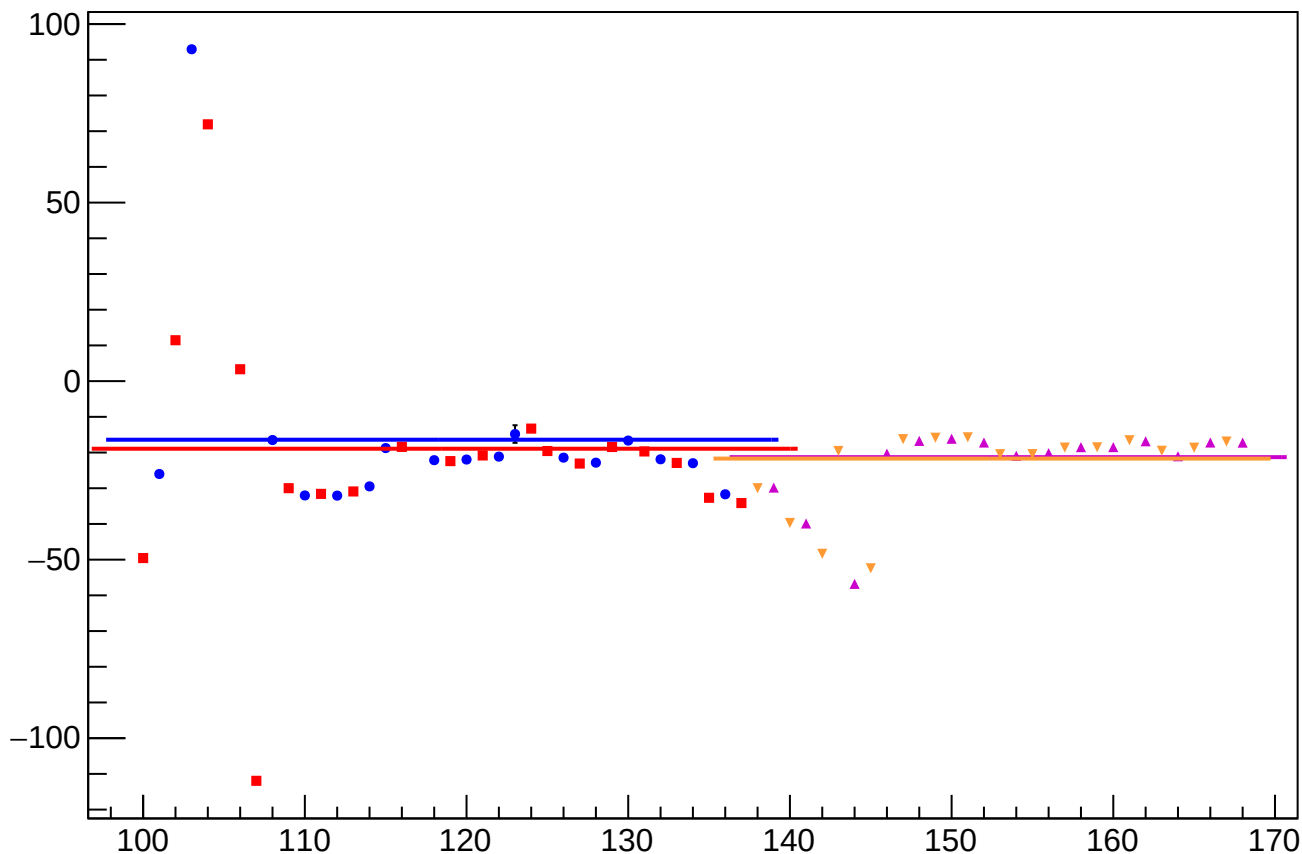
Right: -35.354 ± 0.521 χ^2/NDF : 1269.6/35

In: -18.876 ± 0.386 χ^2/NDF : 1892.4/31

Out: -19.546 ± 0.380 χ^2/NDF : 1626.4/34

All: -19.216 ± 0.271 χ^2/NDF : 3520.4/66

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.408 ± 0.044 $\chi^2/\text{NDF}: 474368.4/16$

Left Out: -21.691 ± 0.021 $\chi^2/\text{NDF}: 188781.1/15$

Right Out: -18.934 ± 0.045 $\chi^2/\text{NDF}: 434152.2/18$

Left In: -21.293 ± 0.021 $\chi^2/\text{NDF}: 160664.3/14$

Left: -21.491 ± 0.015 $\chi^2/\text{NDF}: 349628.4/30$

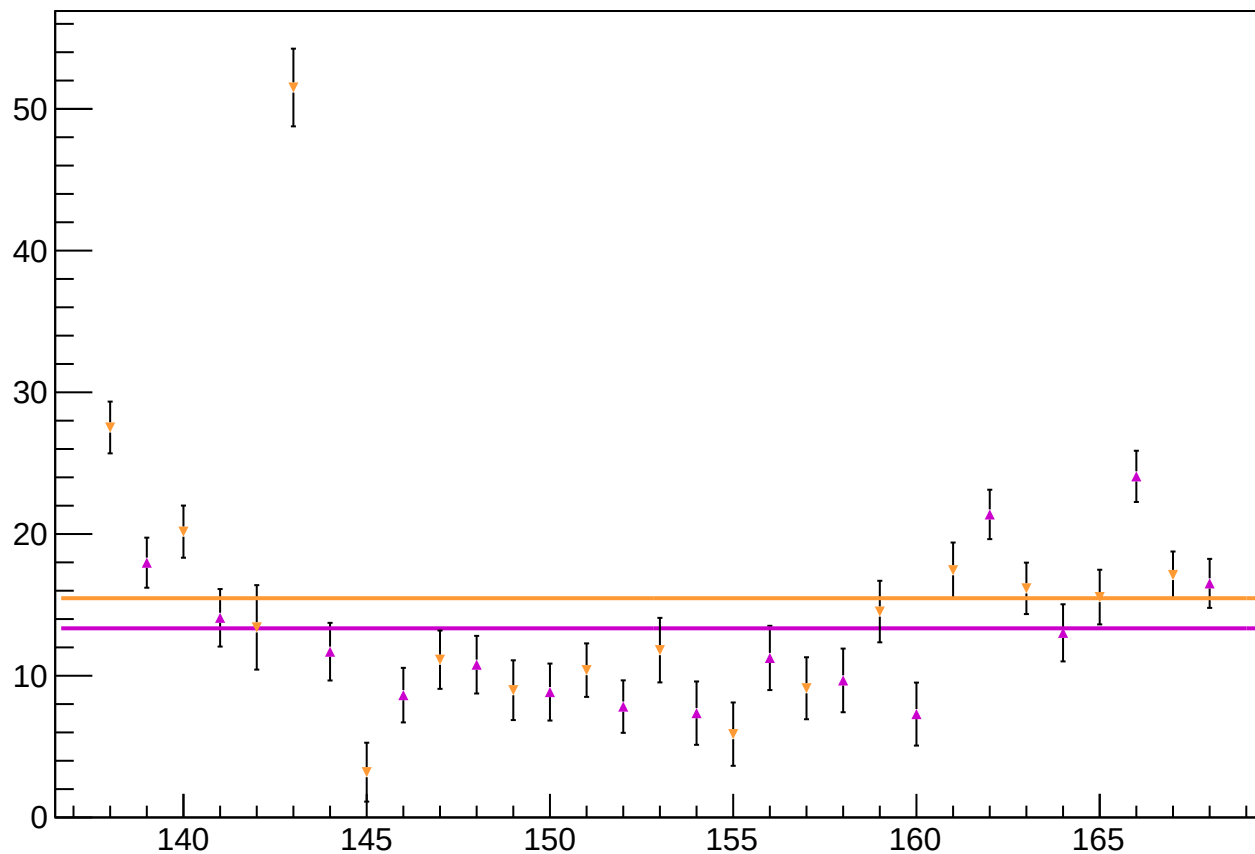
Right: -17.648 ± 0.032 $\chi^2/\text{NDF}: 910108.0/35$

In: -20.421 ± 0.019 $\chi^2/\text{NDF}: 644966.9/31$

Out: -21.208 ± 0.019 $\chi^2/\text{NDF}: 625995.9/34$

All: -20.811 ± 0.013 $\chi^2/\text{NDF}: 1271835.2/66$

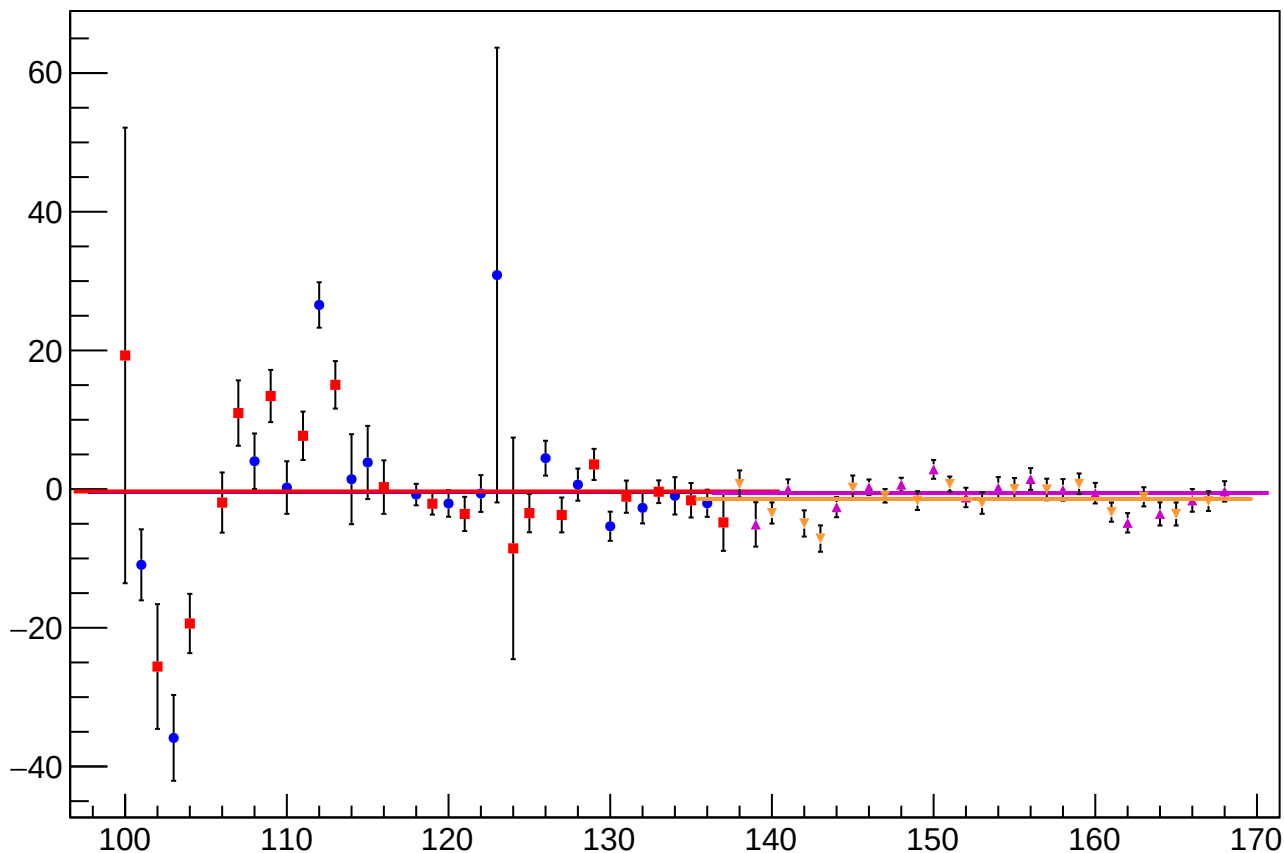
reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 15.471 $\pm$ 0.511 χ^2/NDF :311.1/15
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 13.346 $\pm$ 0.509 χ^2/NDF :107.1/14

Left: 14.403 $\pm$ 0.361 χ^2/NDF : 426.9/30
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 13.346 $\pm$ 0.509 χ^2/NDF :107.1/14
 Out: 15.471 $\pm$ 0.511 χ^2/NDF :311.1/15
 All: 14.403 $\pm$ 0.361 χ^2/NDF : 426.9/30

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.414 ± 0.653 χ^2/NDF : 119.9/16

Left Out: -1.424 ± 0.363 χ^2/NDF : 28.1/15

Right Out: -0.342 ± 0.658 χ^2/NDF : 83.7/18

Left In: -0.560 ± 0.370 χ^2/NDF : 27.7/14

Left: -1.000 ± 0.259 χ^2/NDF : 58.6/30

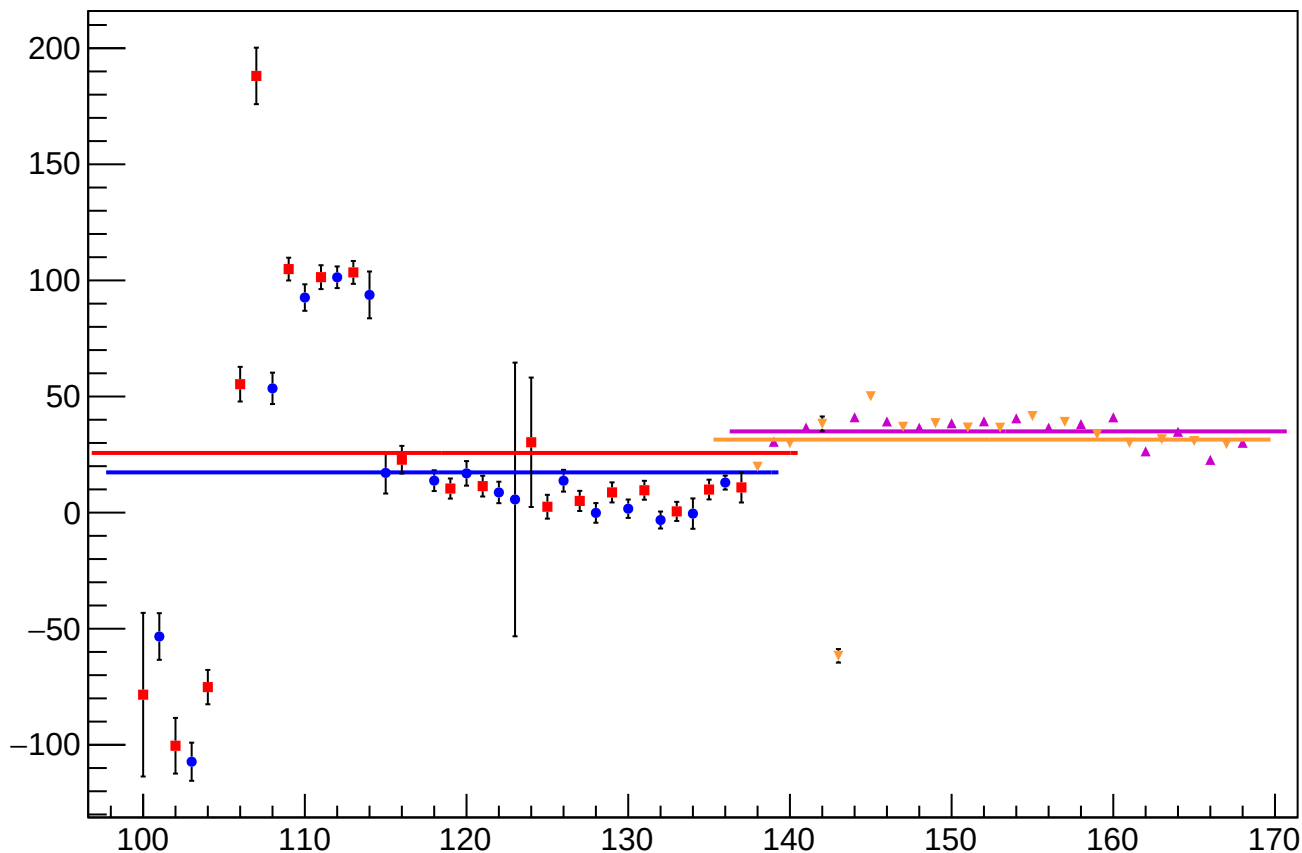
Right: -0.378 ± 0.463 χ^2/NDF : 203.7/35

In: -0.524 ± 0.322 χ^2/NDF : 147.7/31

Out: -1.172 ± 0.318 χ^2/NDF : 113.9/34

All: -0.852 ± 0.226 χ^2/NDF : 263.6/66

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.328 ± 1.239 $\chi^2/\text{NDF}: 943.2/16$

Left Out: 31.437 ± 0.503 $\chi^2/\text{NDF}: 1202.4/15$

Right Out: 25.701 ± 1.243 $\chi^2/\text{NDF}: 1379.1/18$

Left In: 34.984 ± 0.498 $\chi^2/\text{NDF}: 126.8/14$

Left: 33.227 ± 0.354 $\chi^2/\text{NDF}: 1354.3/30$

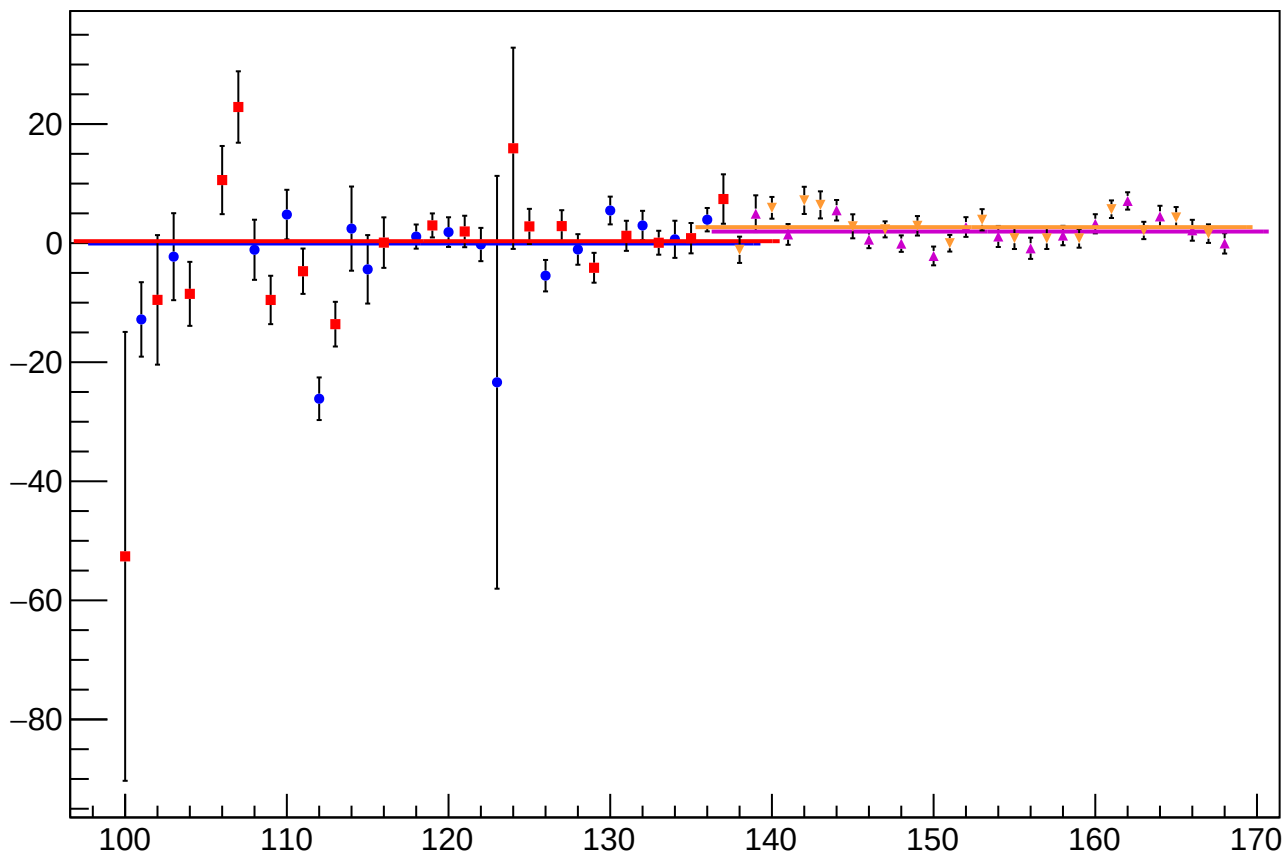
Right: 21.501 ± 0.877 $\chi^2/\text{NDF}: 2345.0/35$

In: 32.526 ± 0.462 $\chi^2/\text{NDF}: 1244.8/31$

Out: 30.630 ± 0.466 $\chi^2/\text{NDF}: 2599.8/34$

All: 31.586 ± 0.328 $\chi^2/\text{NDF}: 3853.0/66$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.059 ± 0.744 χ^2/NDF : 76.5/16

Left Out: 2.683 ± 0.423 χ^2/NDF : 26.3/15

Right Out: 0.326 ± 0.749 χ^2/NDF : 55.1/18

Left In: 1.945 ± 0.431 χ^2/NDF : 34.7/14

Left: 2.321 ± 0.302 χ^2/NDF : 62.5/30

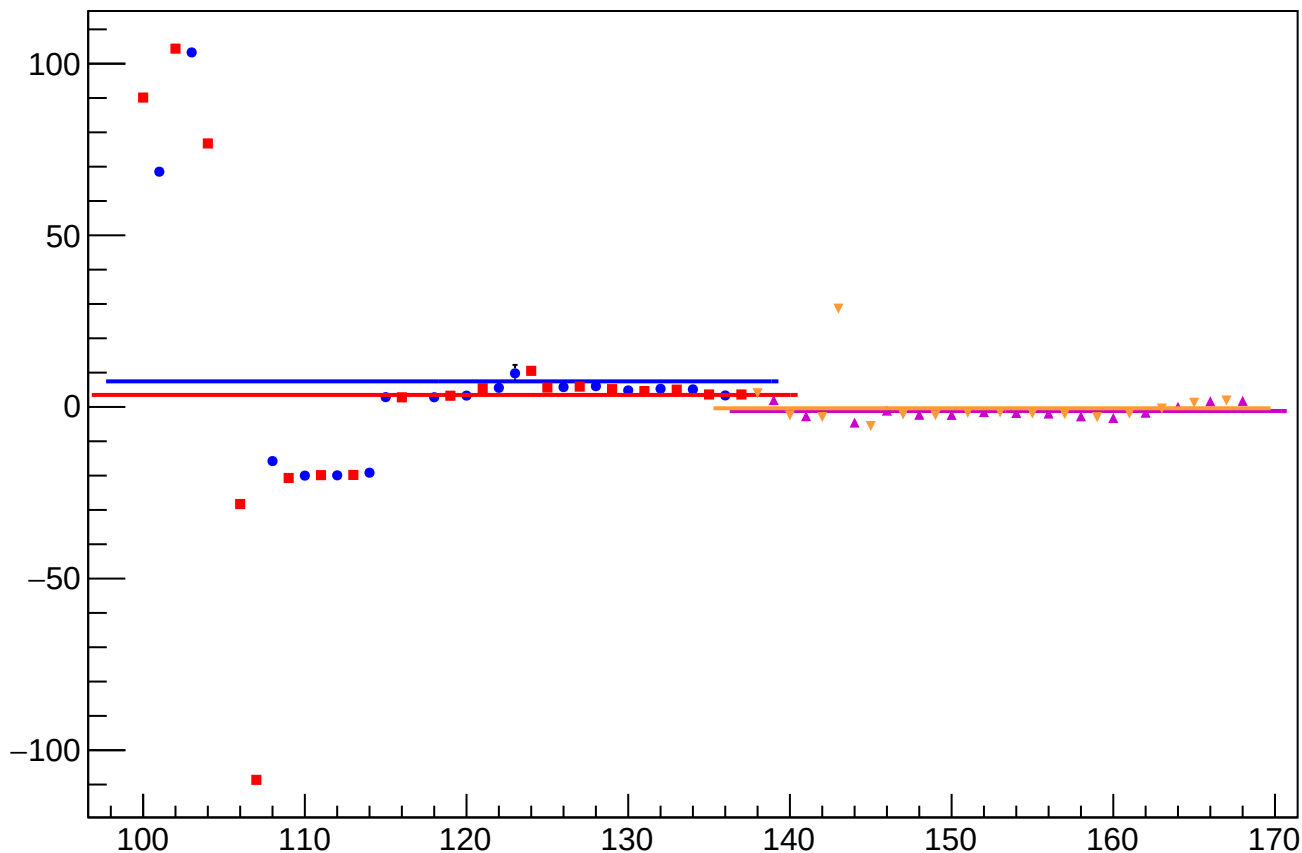
Right: 0.132 ± 0.528 χ^2/NDF : 131.8/35

In: 1.442 ± 0.373 χ^2/NDF : 116.7/31

Out: 2.113 ± 0.369 χ^2/NDF : 88.9/34

All: 1.781 ± 0.262 χ^2/NDF : 207.2/66

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.454+/-0.044 χ^2/NDF : 356053.3/16

Left Out: -0.385+/-0.020 χ^2/NDF : 75180.4/15

Right Out: 3.502+/-0.046 χ^2/NDF : 510579.7/18

Left In: -1.173+/-0.020 χ^2/NDF : 9043.5/14

Left: -0.783+/-0.014 χ^2/NDF : 85028.0/30

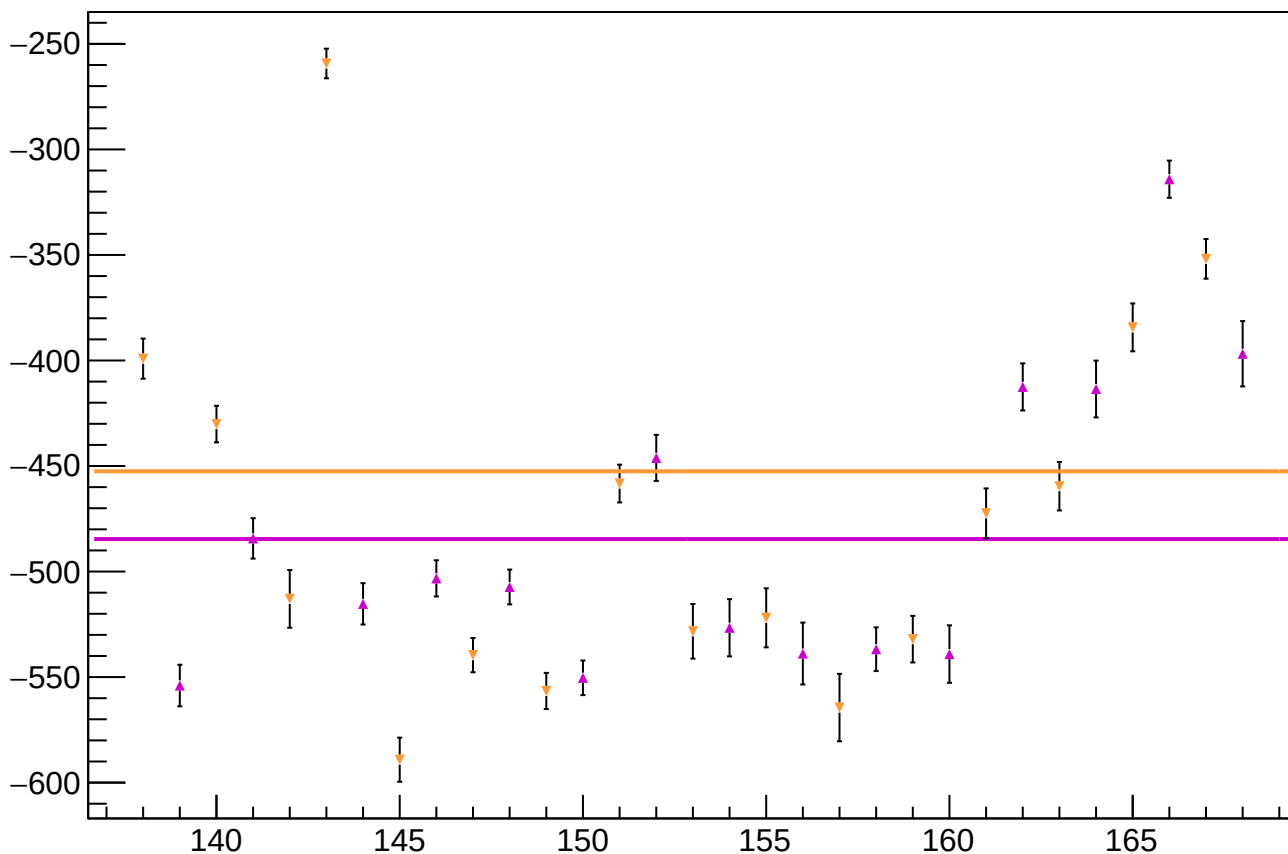
Right: 5.528+/-0.032 χ^2/NDF : 870492.1/35

In: 0.228+/-0.018 χ^2/NDF : 396691.3/31

Out: 0.230+/-0.018 χ^2/NDF : 591890.3/34

All: 0.229+/-0.013 χ^2/NDF : 988581.6/66

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -452.511+/-2.519 χ^2/NDF :1563.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -484.603+/-2.685 χ^2/NDF :690.1/14

Left: -467.534+/-1.837 χ^2/NDF : 2329.9/30

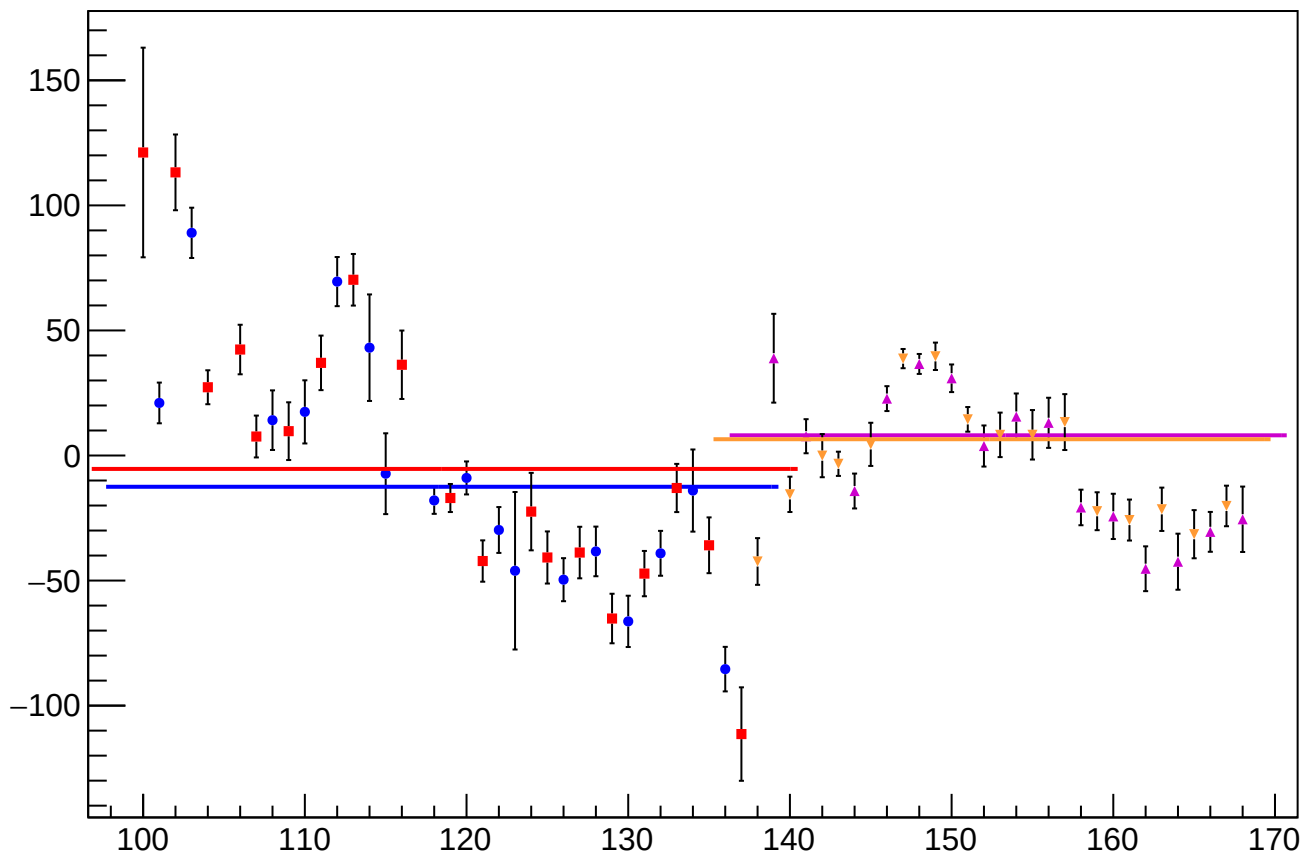
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -484.603+/-2.685 χ^2/NDF :690.1/14

Out: -452.511+/-2.519 χ^2/NDF :1563.8/15

All: -467.534+/-1.837 χ^2/NDF : 2329.9/30

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Left: 7.225 ± 1.253 $\chi^2/\text{NDF}: 425.4/30$

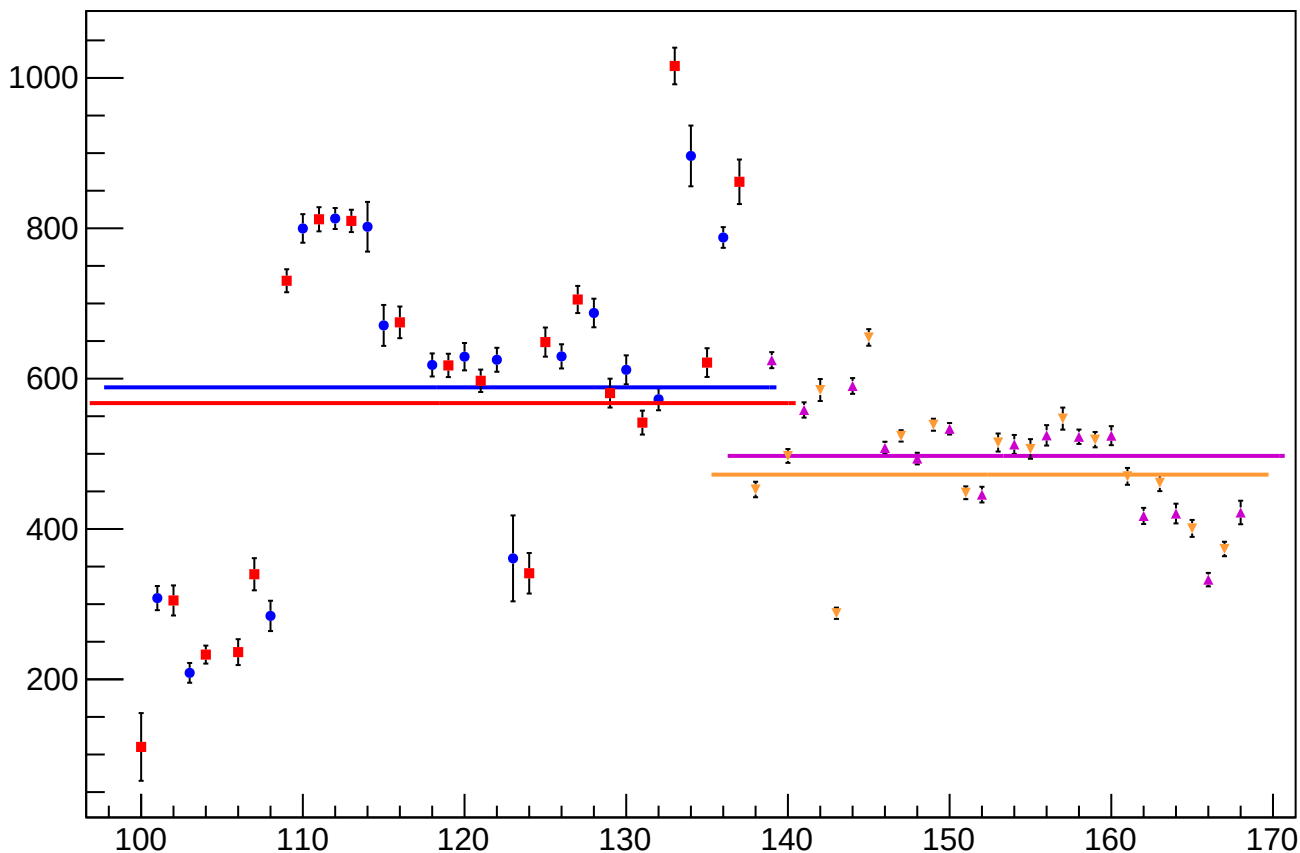
Right: -8.858 ± 1.617 $\chi^2/\text{NDF}: 690.5/35$

In: 0.032 ± 1.445 $\chi^2/\text{NDF}: 595.8/31$

Out: 2.226 ± 1.360 $\chi^2/\text{NDF}: 580.8/34$

All: 1.195 ± 0.990 $\chi^2/\text{NDF}: 1177.7/66$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 588.421 $\pm$ 4.320 χ^2 /NDF: 2130.2/16

Left Out: 472.302 $\pm$ 2.496 χ^2 /NDF:1286.3/15

Right Out: 567.451 $\pm$ 4.137 χ^2 /NDF: 2784.8/18

Left In: 497.219 $\pm$ 2.623 χ^2 /NDF:772.6/14

Left: 484.143 $\pm$ 1.808 χ^2 /NDF: 2106.3/30

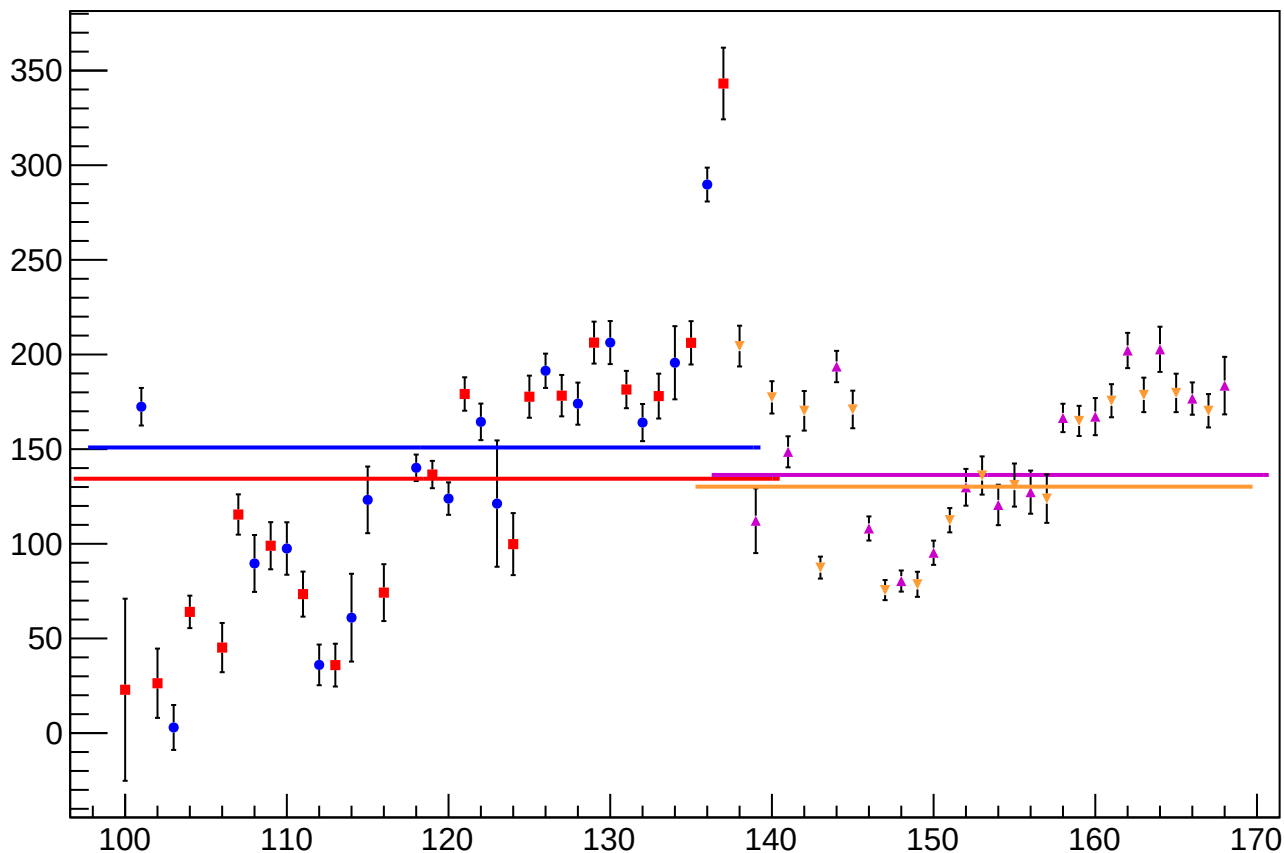
Right: 577.481 $\pm$ 2.988 χ^2 /NDF: 4927.3/35

In: 521.784 $\pm$ 2.242 χ^2 /NDF:3228.4/31

Out: 497.702 $\pm$ 2.137 χ^2 /NDF:4458.9/34

All: 509.167 $\pm$ 1.547 χ^2 /NDF: 7747.8/66

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 150.891 $\pm$ 2.674 χ^2/NDF : 634.8/16

Left Out: 130.184 $\pm$ 2.037 χ^2/NDF : 457.6/15

Right Out: 134.381 $\pm$ 2.620 χ^2/NDF : 584.9/18

Left In: 136.372 $\pm$ 2.205 χ^2/NDF : 355.7/14

Left: 133.034 $\pm$ 1.496 χ^2/NDF : 817.5/30

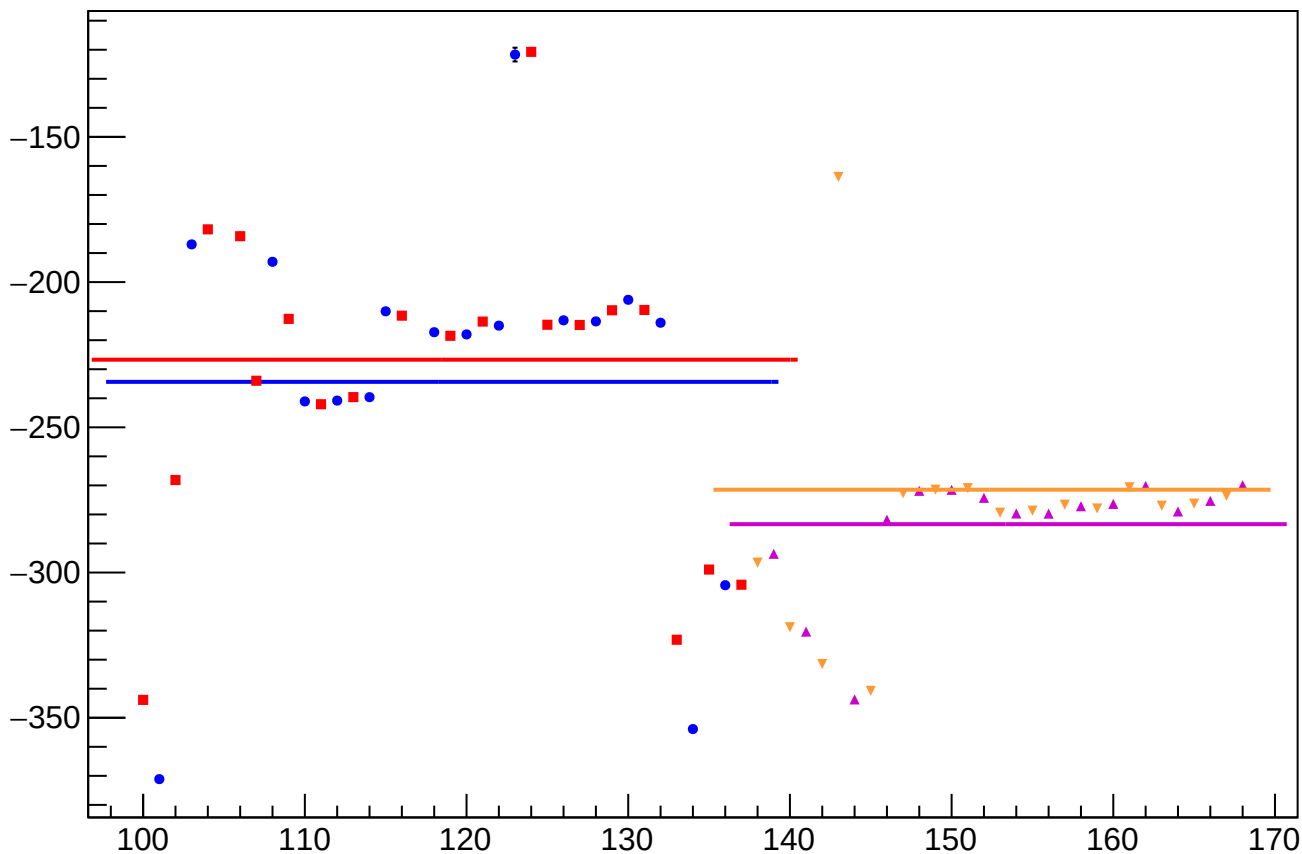
Right: 142.467 $\pm$ 1.871 χ^2/NDF : 1239.2/35

In: 142.248 $\pm$ 1.701 χ^2/NDF : 1008.1/31

Out: 131.765 $\pm$ 1.608 χ^2/NDF : 1044.1/34

All: 136.713 $\pm$ 1.169 χ^2/NDF : 2072.2/66

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.341+/-0.148 χ^2/NDF : 145165.1/16

Left Out: -271.482+/-0.101 χ^2/NDF : 183012.7/15

Right Out: -226.716+/-0.141 χ^2/NDF : 99440.4/18

Left In: -283.348+/-0.105 χ^2/NDF : 31777.6/14

Left: -277.147+/-0.073 χ^2/NDF : 221418.3/30

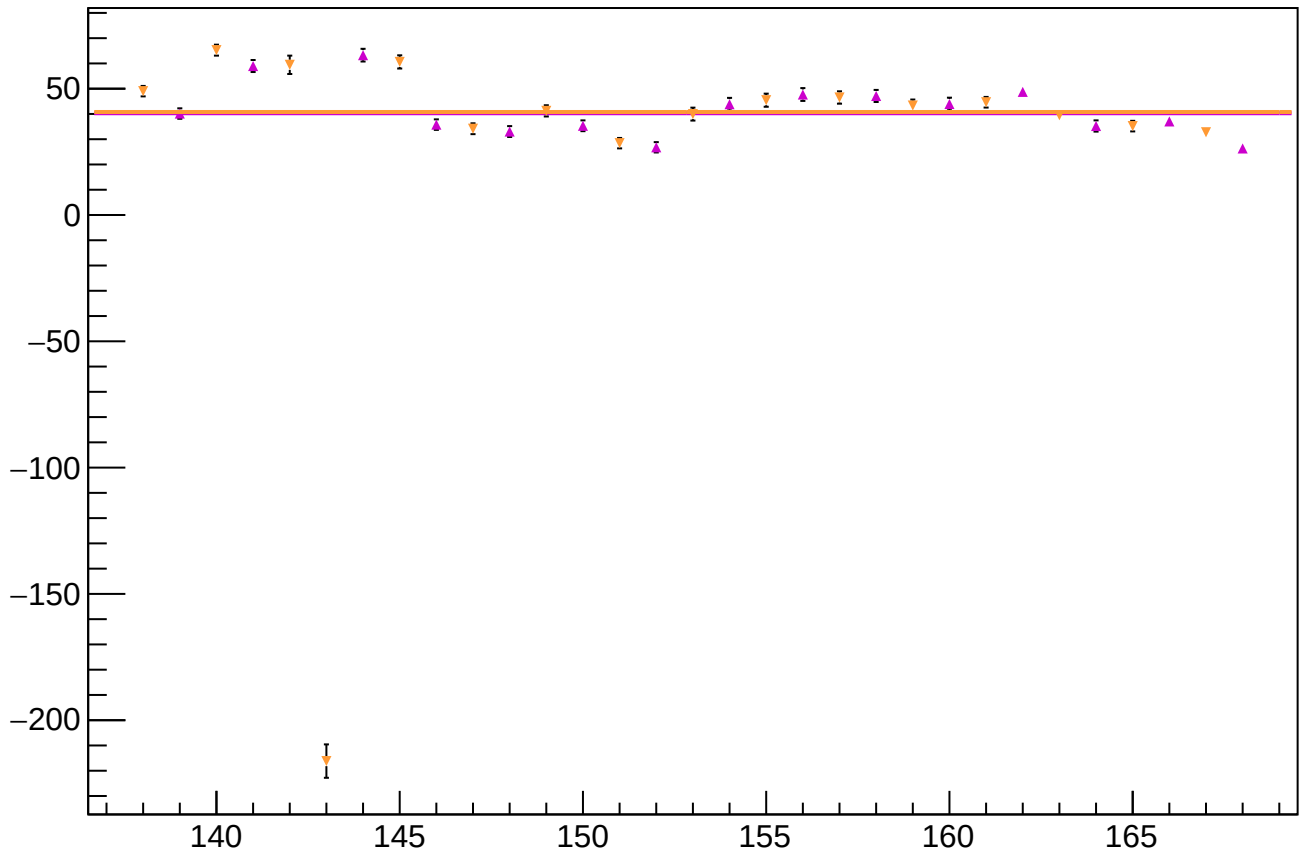
Right: -230.345+/-0.102 χ^2/NDF : 245990.9/35

In: -266.909+/-0.086 χ^2/NDF : 249509.4/31

Out: -256.406+/-0.082 χ^2/NDF : 348998.8/34

All: -261.415+/-0.059 χ^2/NDF : 606329.7/66

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 40.778+/-0.576 χ^2/NDF :1823.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 40.284+/-0.563 χ^2/NDF :313.0/14

Left: 40.525+/-0.403 χ^2/NDF : 2137.0/30

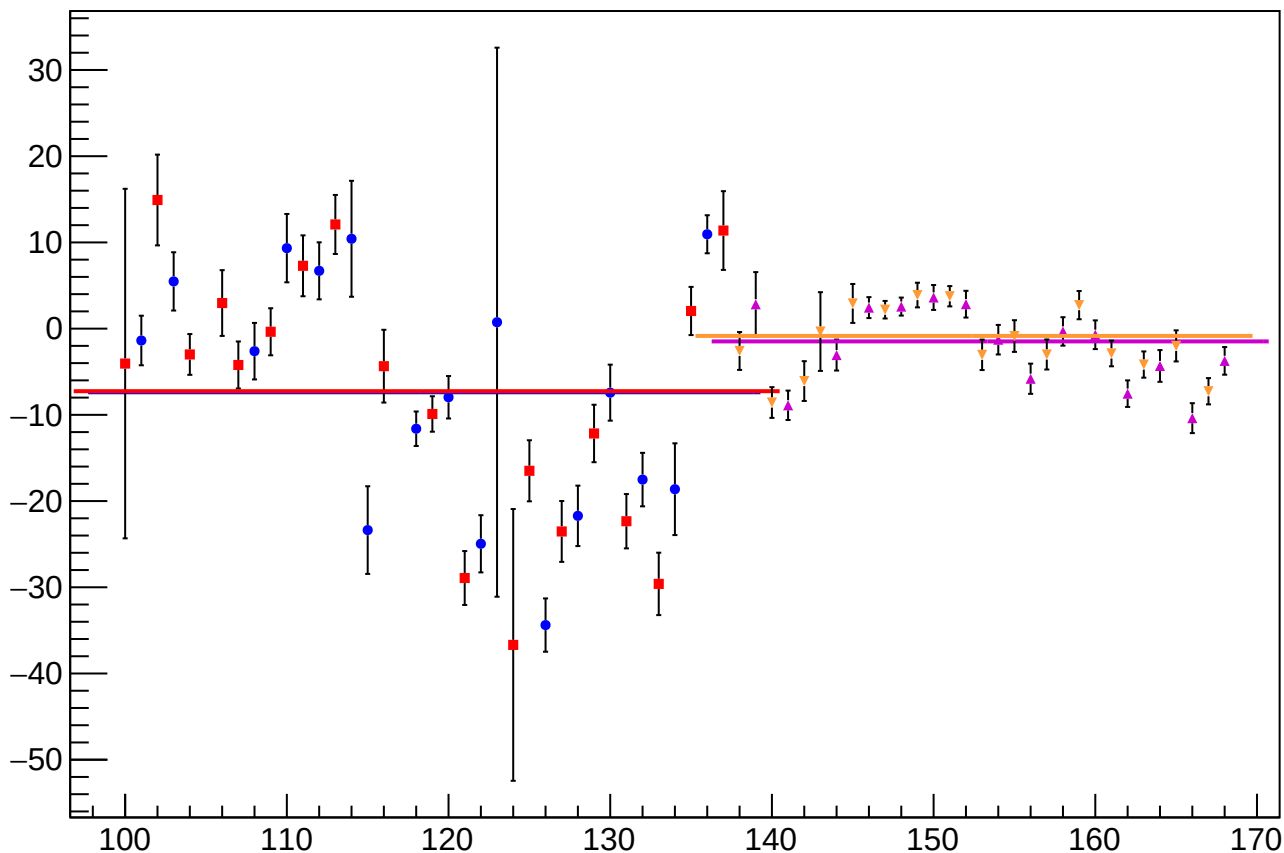
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 40.284+/-0.563 χ^2/NDF :313.0/14

Out: 40.778+/-0.576 χ^2/NDF :1823.7/15

All: 40.525+/-0.403 χ^2/NDF : 2137.0/30

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.381 ± 0.779 χ^2/NDF : 283.6/16

Left Out: -0.845 ± 0.406 χ^2/NDF : 95.1/15

Right Out: -7.256 ± 0.762 χ^2/NDF : 257.3/18

Left In: -1.483 ± 0.407 χ^2/NDF : 119.5/14

Left: -1.163 ± 0.287 χ^2/NDF : 215.8/30

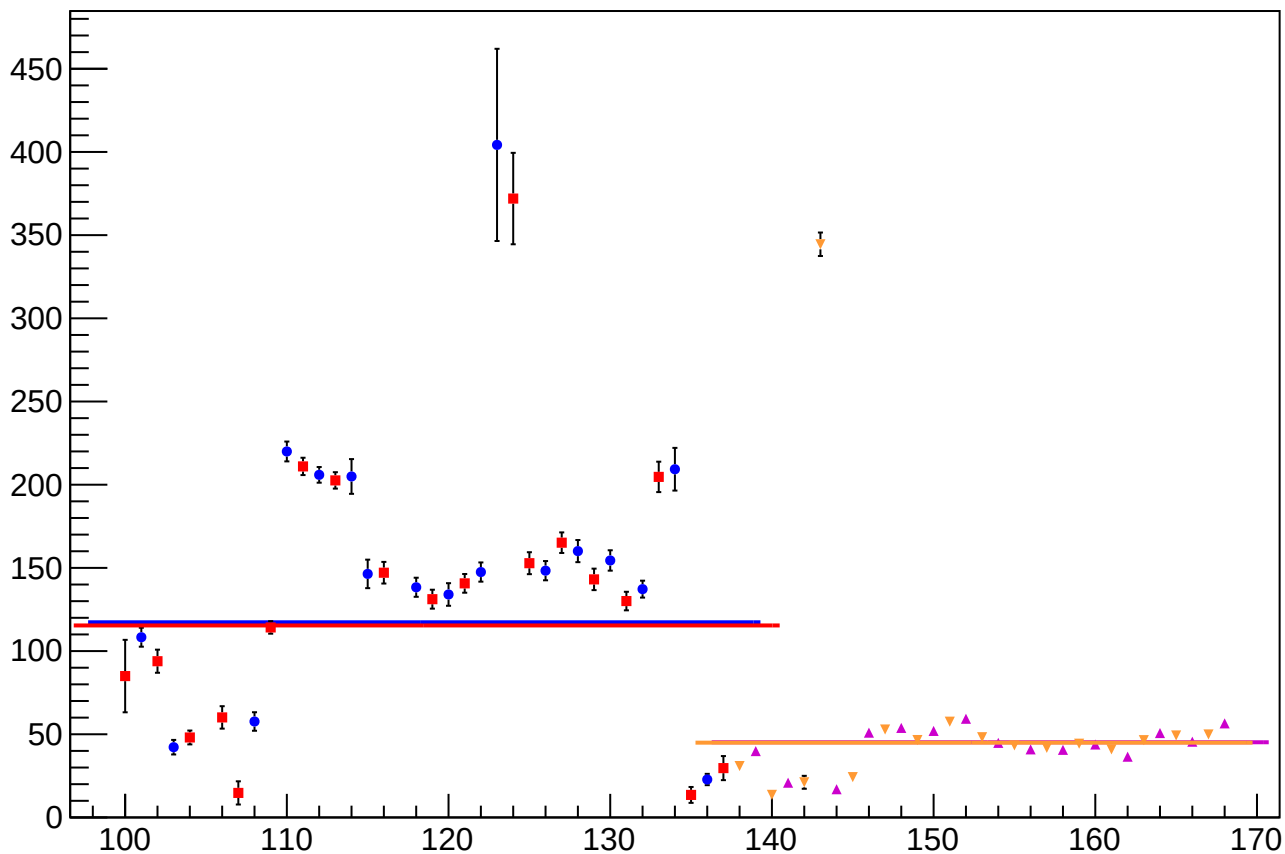
Right: -7.317 ± 0.545 χ^2/NDF : 540.9/35

In: -2.747 ± 0.361 χ^2/NDF : 448.2/31

Out: -2.263 ± 0.358 χ^2/NDF : 407.5/34

All: -2.504 ± 0.254 χ^2/NDF : 856.6/66

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.302 $\pm$ 1.409 χ^2 /NDF: 2161.3/16

Left Out: 44.956 $\pm$ 0.564 χ^2 /NDF:2197.9/15

Right Out: 115.405 $\pm$ 1.361 χ^2 /NDF: 2150.5/18

Left In: 45.198 $\pm$ 0.550 χ^2 /NDF:370.1/14

Left: 45.080 $\pm$ 0.394 χ^2 /NDF: 2568.1/30

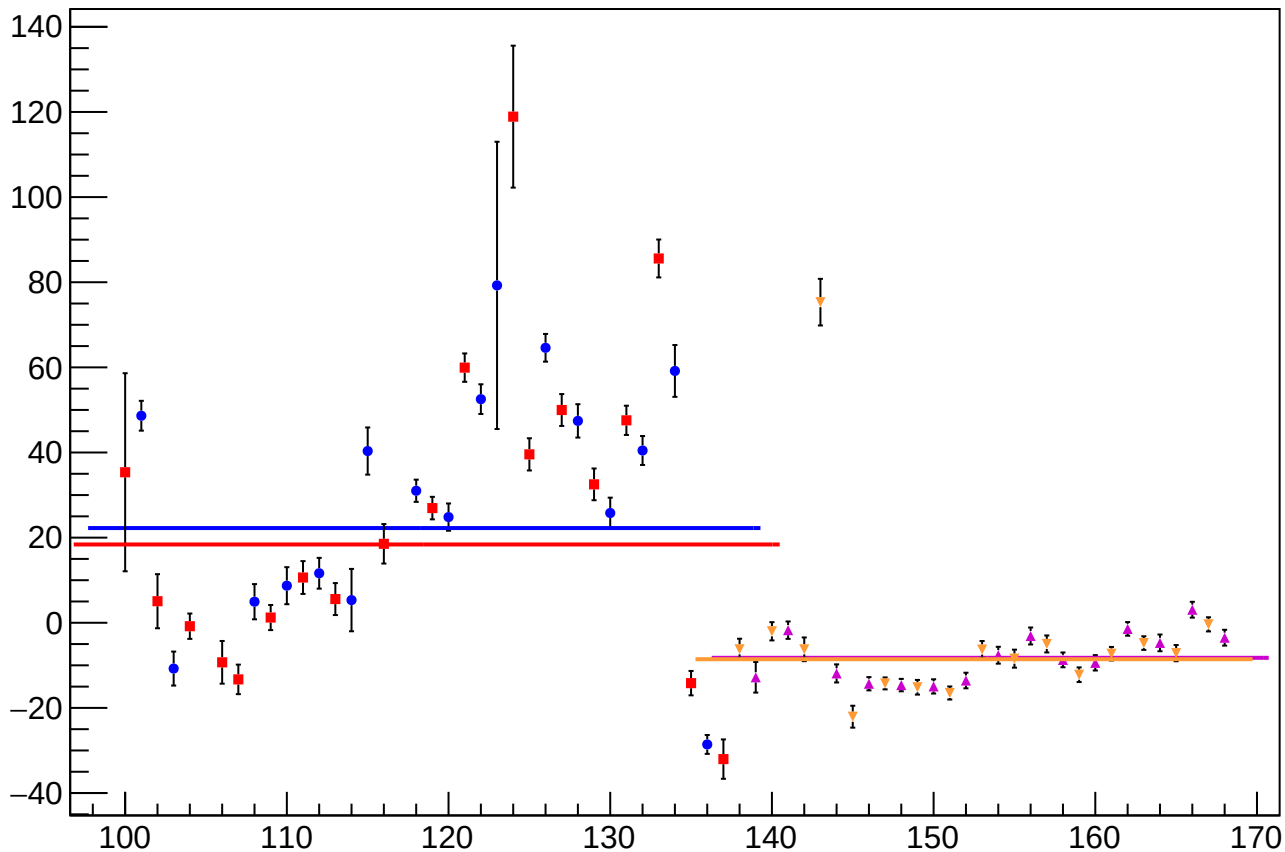
Right: 116.321 $\pm$ 0.979 χ^2 /NDF: 4312.7/35

In: 54.749 $\pm$ 0.513 χ^2 /NDF:4804.6/31

Out: 55.289 $\pm$ 0.521 χ^2 /NDF:6636.1/34

All: 55.015 $\pm$ 0.365 χ^2 /NDF: 11441.2/66

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.250+/-0.889 χ^2 /NDF: 1071.4/16

Left Out: -8.560+/-0.474 χ^2 /NDF:371.0/15

Right Out: 18.395+/-0.872 χ^2 /NDF: 1077.1/18

Left In: -8.231+/-0.474 χ^2 /NDF:145.6/14

Left: -8.396+/-0.335 χ^2 /NDF: 516.8/30

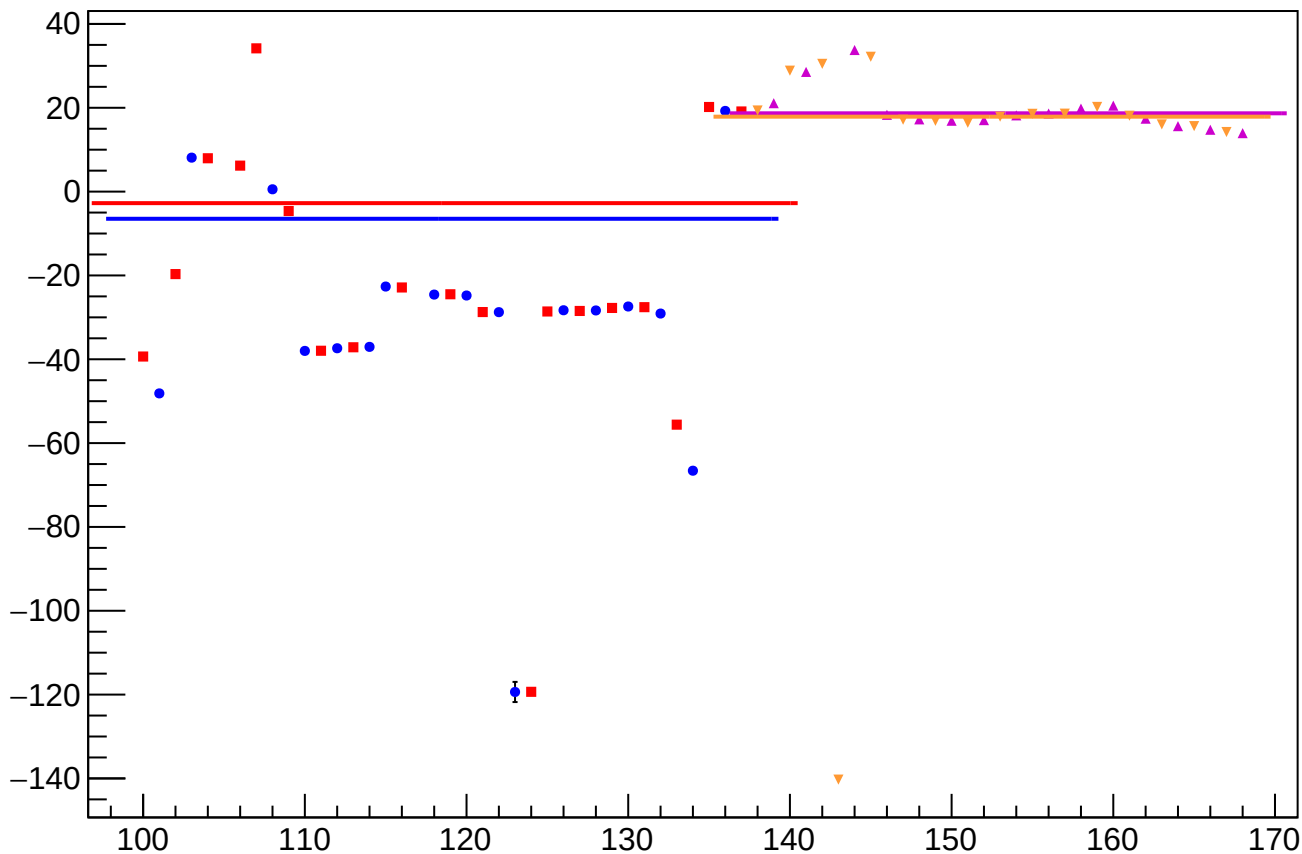
Right: 20.284+/-0.622 χ^2 /NDF: 2158.2/35

In: -1.478+/-0.419 χ^2 /NDF:2131.8/31

Out: -2.408+/-0.417 χ^2 /NDF:2185.9/34

All: -1.945+/-0.295 χ^2 /NDF: 4320.2/66

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.482 ± 0.046 $\chi^2/\text{NDF}: 265804.1/16$

Left Out: 17.878 ± 0.022 $\chi^2/\text{NDF}: 353856.1/15$

Right Out: -2.751 ± 0.046 $\chi^2/\text{NDF}: 266291.4/18$

Left In: 18.680 ± 0.022 $\chi^2/\text{NDF}: 36470.8/14$

Left: 18.289 ± 0.016 $\chi^2/\text{NDF}: 390994.6/30$

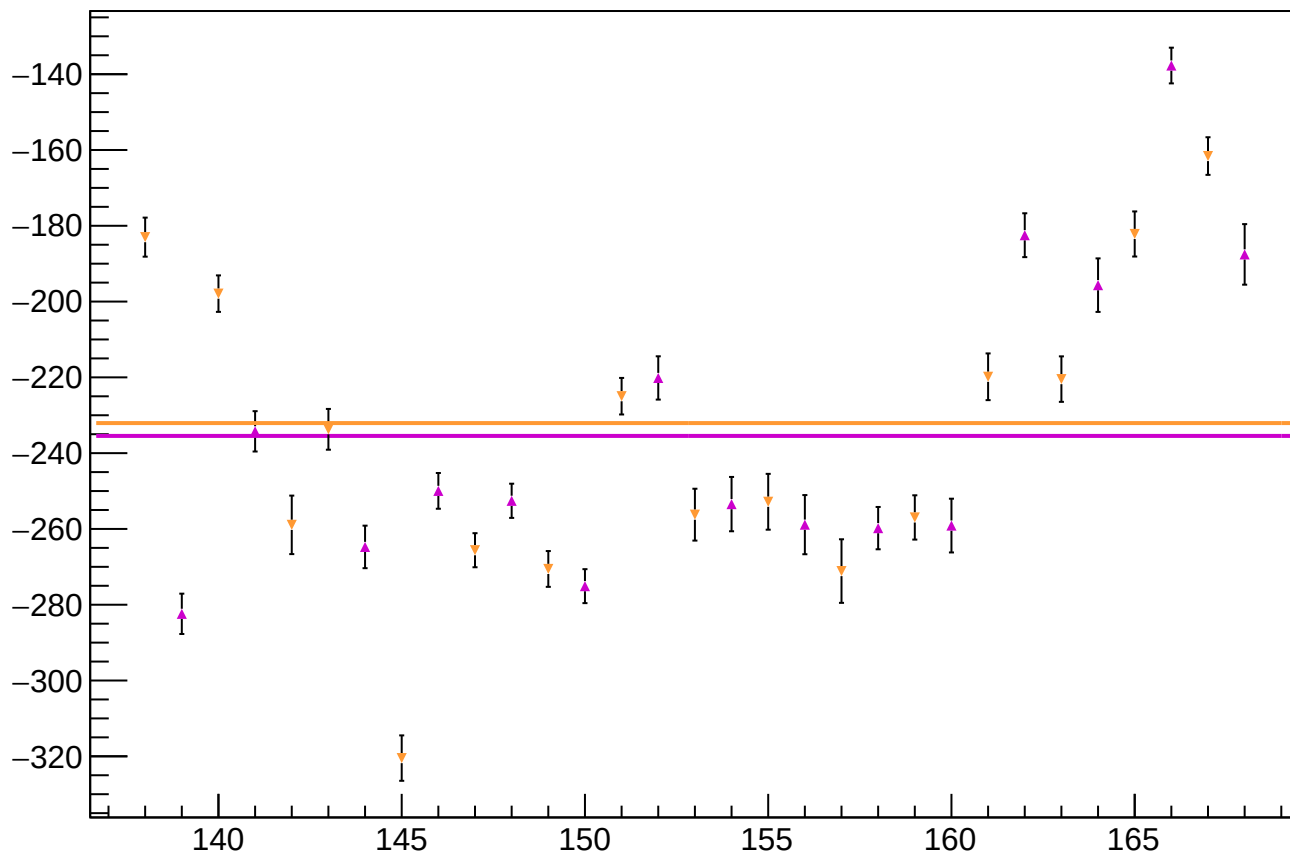
Right: -4.597 ± 0.032 $\chi^2/\text{NDF}: 535394.7/35$

In: 14.138 ± 0.020 $\chi^2/\text{NDF}: 545746.9/31$

Out: 13.932 ± 0.020 $\chi^2/\text{NDF}: 785090.7/34$

All: 14.037 ± 0.014 $\chi^2/\text{NDF}: 1330891.4/66$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -232.064+/-1.409 χ^2/NDF :834.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -235.451+/-1.451 χ^2/NDF :841.3/14

Left: -233.709+/-1.011 χ^2/NDF : 1679.0/30

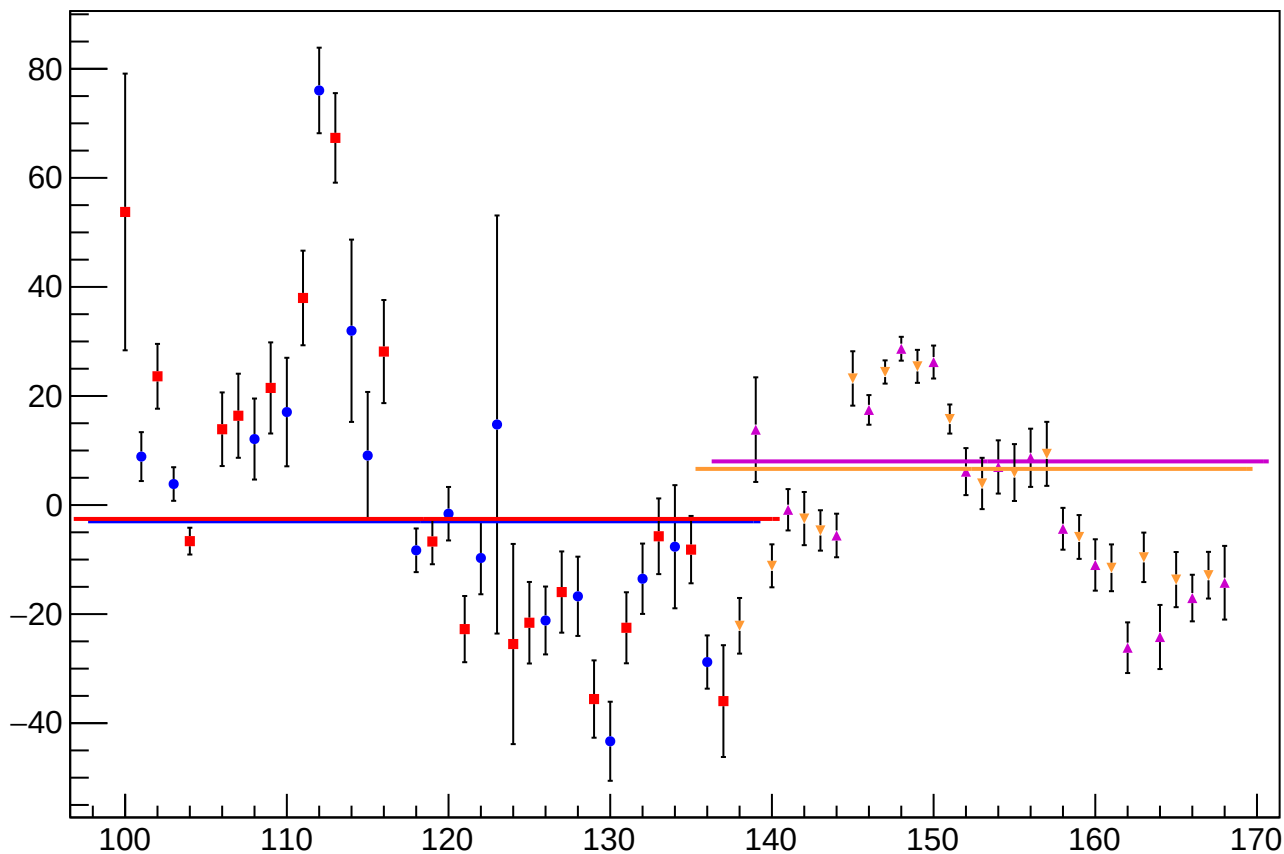
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -235.451+/-1.451 χ^2/NDF :841.3/14

Out: -232.064+/-1.409 χ^2/NDF :834.9/15

All: -233.709+/-1.011 χ^2/NDF : 1679.0/30

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.981 ± 1.450 χ^2/NDF : 203.9/16

Left Out: 6.629 ± 0.954 χ^2/NDF : 273.7/15

Right Out: -2.548 ± 1.399 χ^2/NDF : 218.1/18

Left In: 8.003 ± 1.004 χ^2/NDF : 311.3/14

Left: 7.282 ± 0.692 χ^2/NDF : 586.0/30

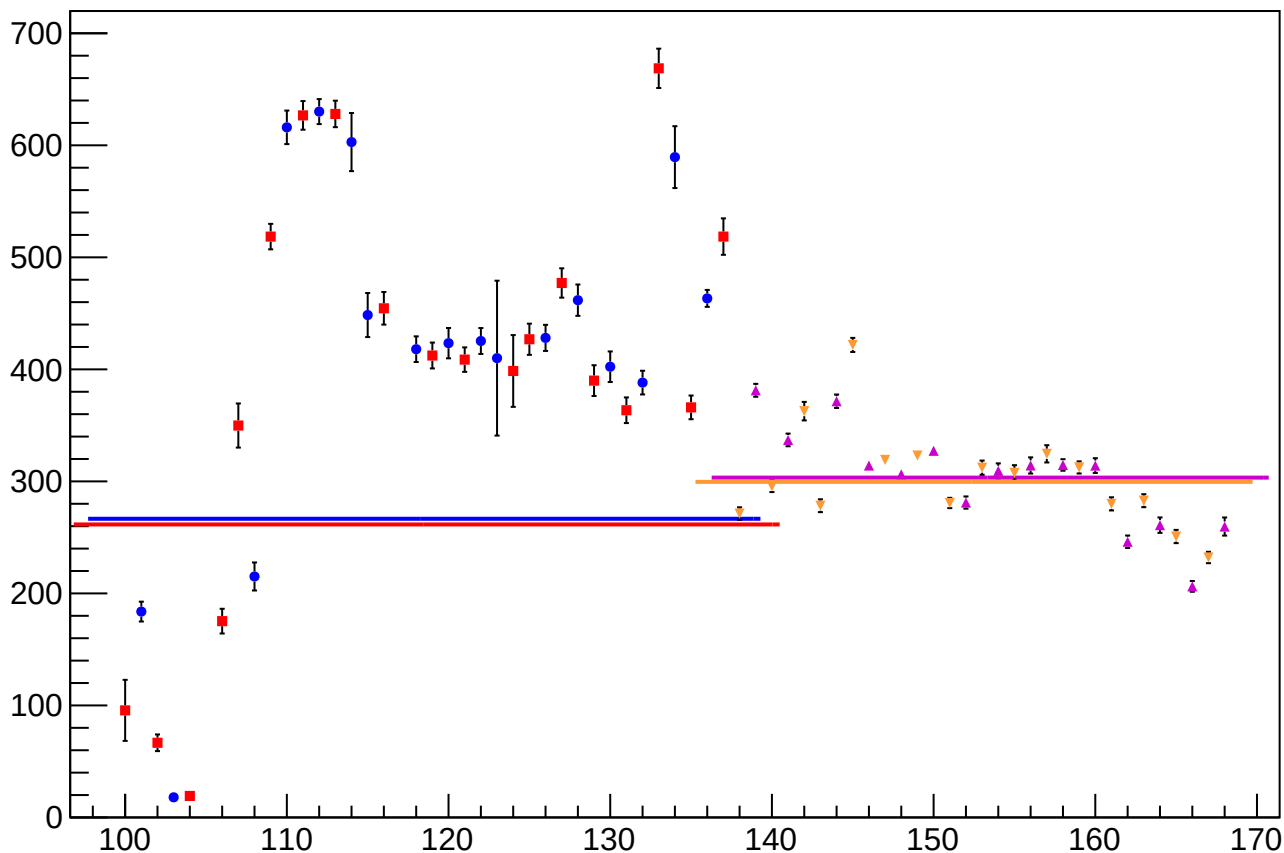
Right: -2.757 ± 1.007 χ^2/NDF : 422.1/35

In: 4.447 ± 0.825 χ^2/NDF : 554.0/31

Out: 3.713 ± 0.788 χ^2/NDF : 521.2/34

All: 4.063 ± 0.570 χ^2/NDF : 1075.6/66

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 266.624 $\pm$ 2.477 χ^2 /NDF: 7662.7/16

Left Out: 299.573 $\pm$ 1.389 χ^2 /NDF:828.2/15

Right Out: 261.551 $\pm$ 2.458 χ^2 /NDF: 8208.2/18

Left In: 303.359 $\pm$ 1.416 χ^2 /NDF:995.2/14

Left: 301.429 $\pm$ 0.991 χ^2 /NDF: 1827.0/30

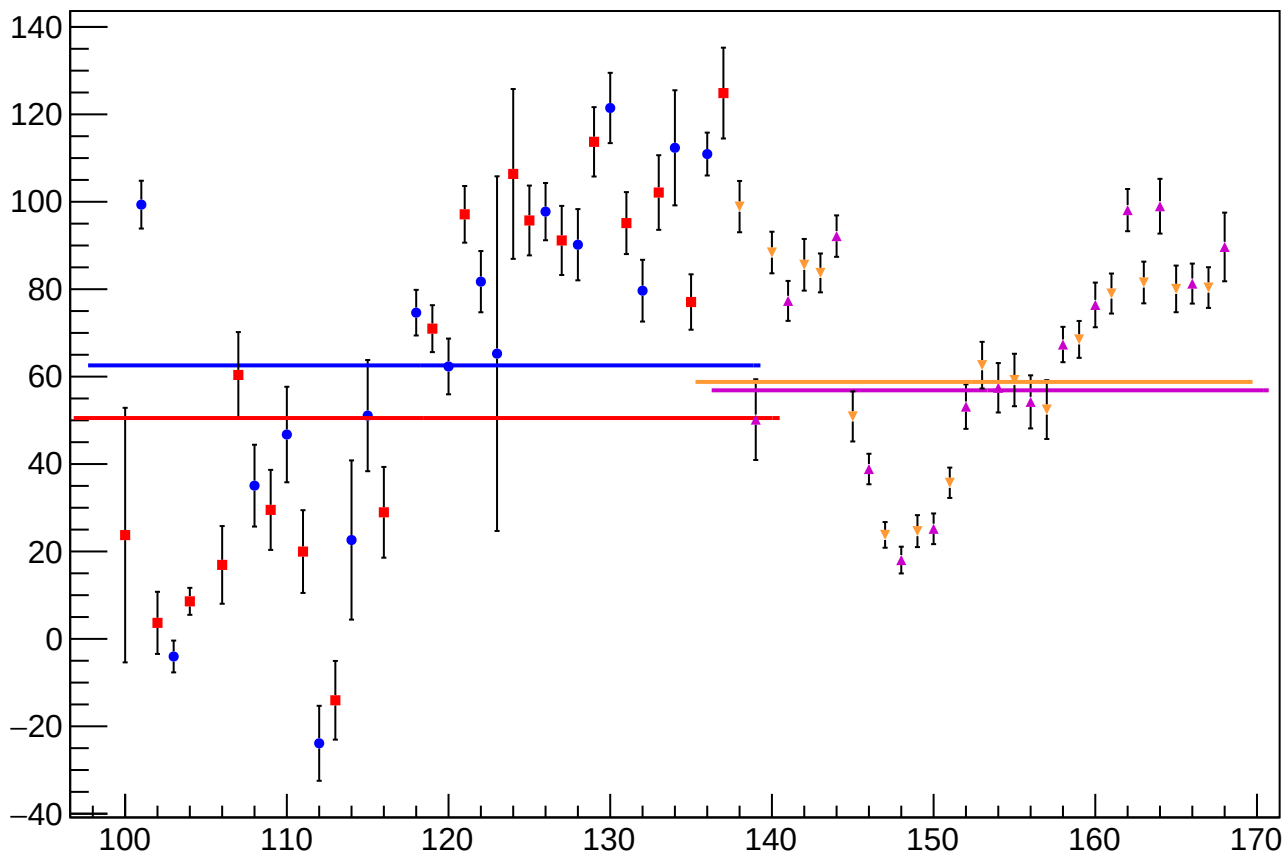
Right: 264.068 $\pm$ 1.745 χ^2 /NDF: 15873.0/35

In: 294.313 $\pm$ 1.229 χ^2 /NDF:8823.6/31

Out: 290.371 $\pm$ 1.209 χ^2 /NDF:9217.8/34

All: 292.310 $\pm$ 0.862 χ^2 /NDF: 18046.6/66

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.566 ± 1.678 $\chi^2/\text{NDF}: 722.4/16$

Left Out: 58.789 ± 1.139 $\chi^2/\text{NDF}: 498.9/15$

Right Out: 50.526 ± 1.643 $\chi^2/\text{NDF}: 657.0/18$

Left In: 56.865 ± 1.193 $\chi^2/\text{NDF}: 531.4/14$

Left: 57.871 ± 0.824 $\chi^2/\text{NDF}: 1031.7/30$

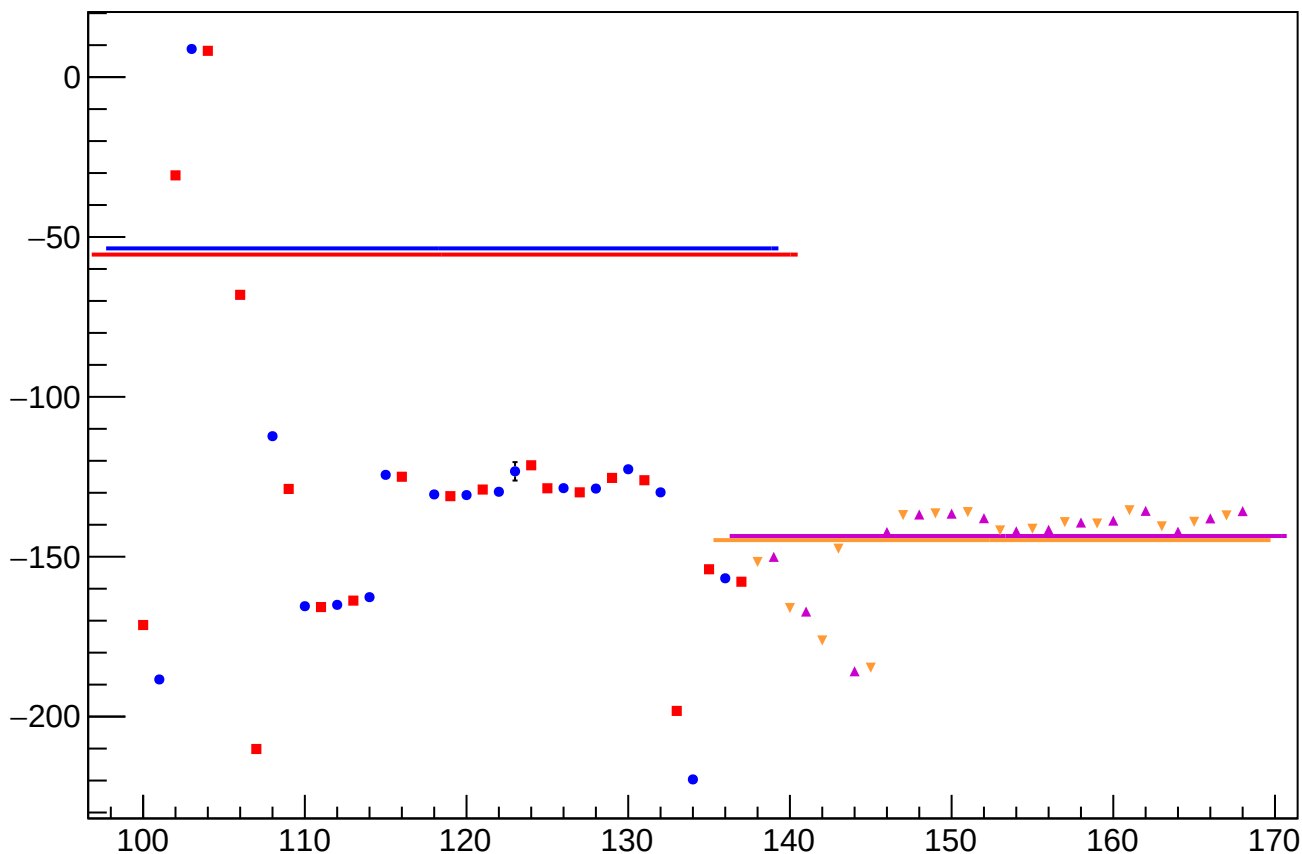
Right: 56.420 ± 1.174 $\chi^2/\text{NDF}: 1405.7/35$

In: 58.778 ± 0.972 $\chi^2/\text{NDF}: 1261.5/31$

Out: 56.107 ± 0.936 $\chi^2/\text{NDF}: 1173.0/34$

All: 57.392 ± 0.674 $\chi^2/\text{NDF}: 2438.4/66$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.567 ± 0.070 $\chi^2/\text{NDF}: 1230233.3/16$

Left Out: -144.804 ± 0.056 $\chi^2/\text{NDF}: 55835.3/15$

Right Out: -55.502 ± 0.072 $\chi^2/\text{NDF}: 969632.0/18$

Left In: -143.519 ± 0.057 $\chi^2/\text{NDF}: 44813.3/14$

Left: -144.171 ± 0.040 $\chi^2/\text{NDF}: 100909.0/30$

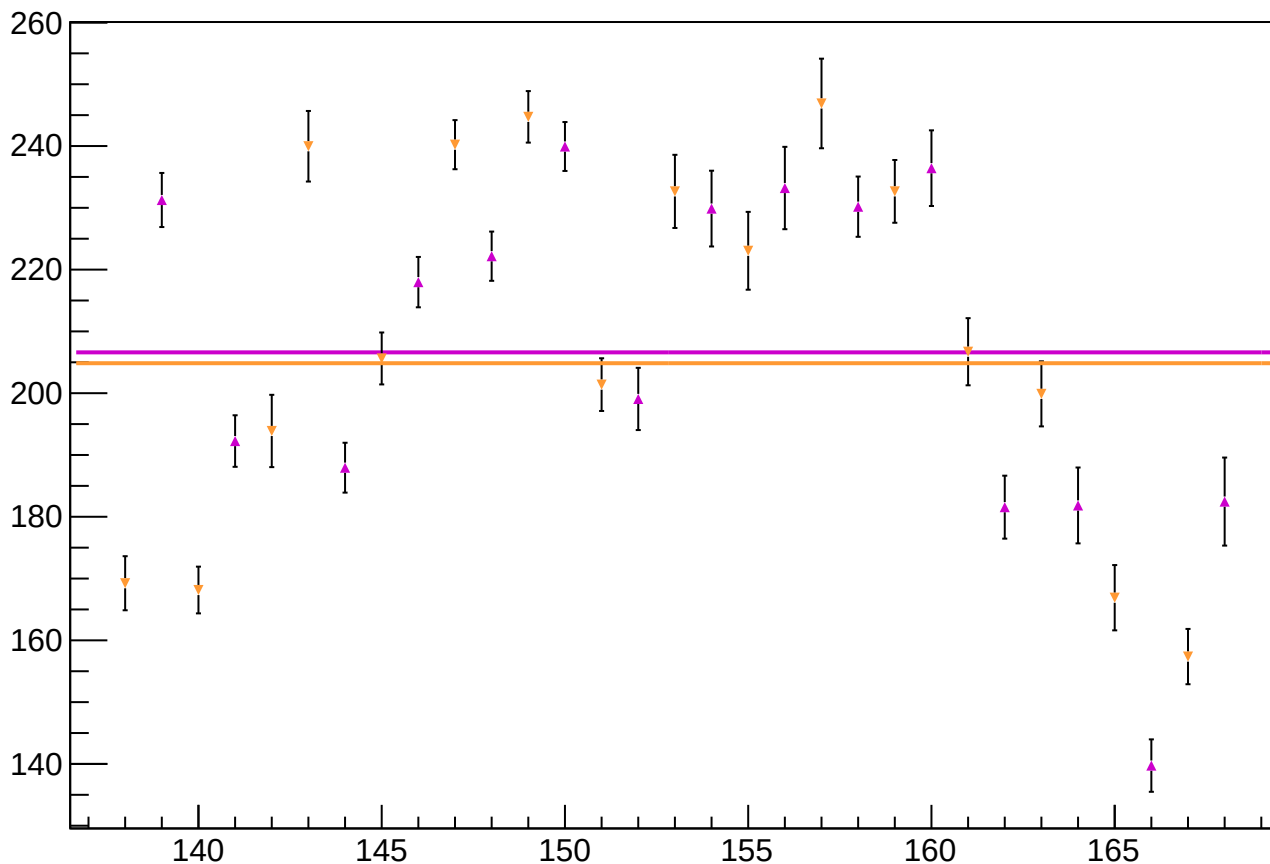
Right: -54.512 ± 0.050 $\chi^2/\text{NDF}: 2200235.7/35$

In: -108.027 ± 0.044 $\chi^2/\text{NDF}: 2267017.5/31$

Out: -111.186 ± 0.044 $\chi^2/\text{NDF}: 1987198.3/34$

All: -109.607 ± 0.031 $\chi^2/\text{NDF}: 4256778.9/66$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 204.852+/-1.211 χ^2/NDF :632.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 206.607+/-1.235 χ^2/NDF :538.9/14

Left: 205.712+/-0.865 χ^2/NDF : 1172.1/30

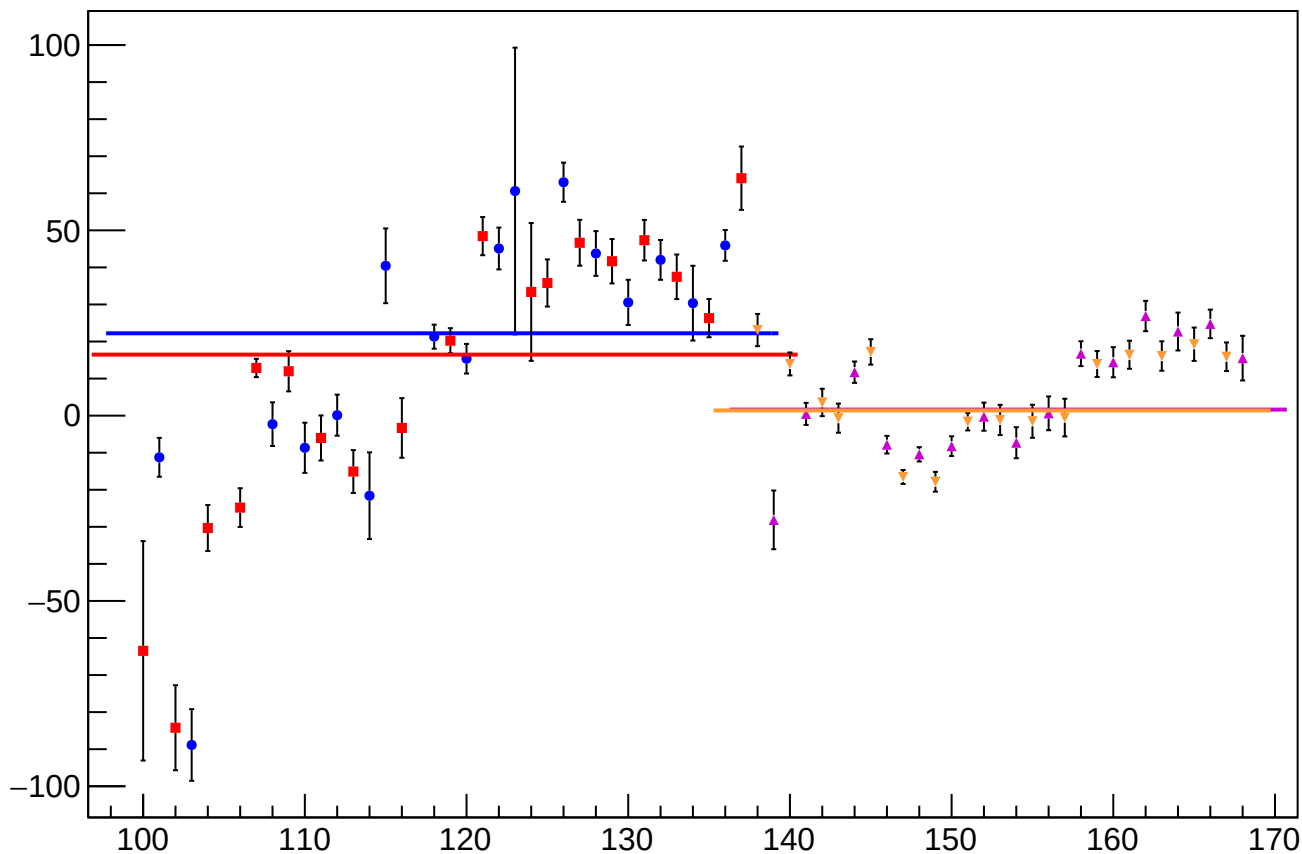
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 206.607+/-1.235 χ^2/NDF :538.9/14

Out: 204.852+/-1.211 χ^2/NDF :632.2/15

All: 205.712+/-0.865 χ^2/NDF : 1172.1/30

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.221 ± 1.374 $\chi^2/\text{NDF}: 385.6/16$

Left Out: 1.404 ± 0.827 $\chi^2/\text{NDF}: 280.5/15$

Right Out: 16.466 ± 1.230 $\chi^2/\text{NDF}: 425.9/18$

Left In: 1.631 ± 0.860 $\chi^2/\text{NDF}: 226.6/14$

Left: 1.513 ± 0.596 $\chi^2/\text{NDF}: 507.2/30$

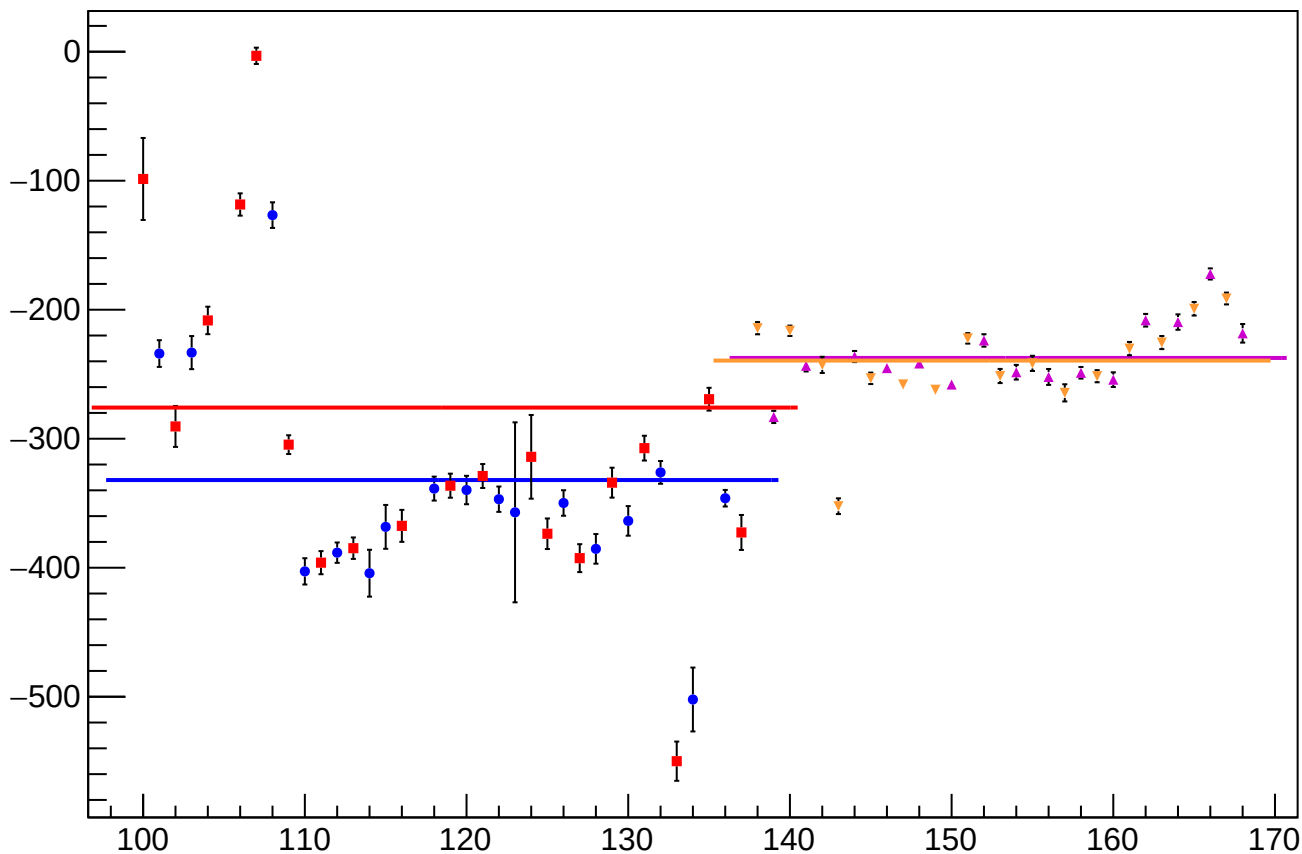
Right: 19.025 ± 0.916 $\chi^2/\text{NDF}: 821.2/35$

In: 7.429 ± 0.729 $\chi^2/\text{NDF}: 773.6/31$

Out: 6.094 ± 0.686 $\chi^2/\text{NDF}: 809.8/34$

All: 6.721 ± 0.500 $\chi^2/\text{NDF}: 1585.1/66$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -332.037 $\pm$ 2.562 χ^2 /NDF: 784.9/16

Left Out: -239.421 $\pm$ 1.197 χ^2 /NDF: 695.0/15

Right Out: -275.853 $\pm$ 2.324 χ^2 /NDF: 3362.8/18

Left In: -237.382 $\pm$ 1.211 χ^2 /NDF: 455.3/14

Left: -238.413 $\pm$ 0.851 χ^2 /NDF: 1151.8/30

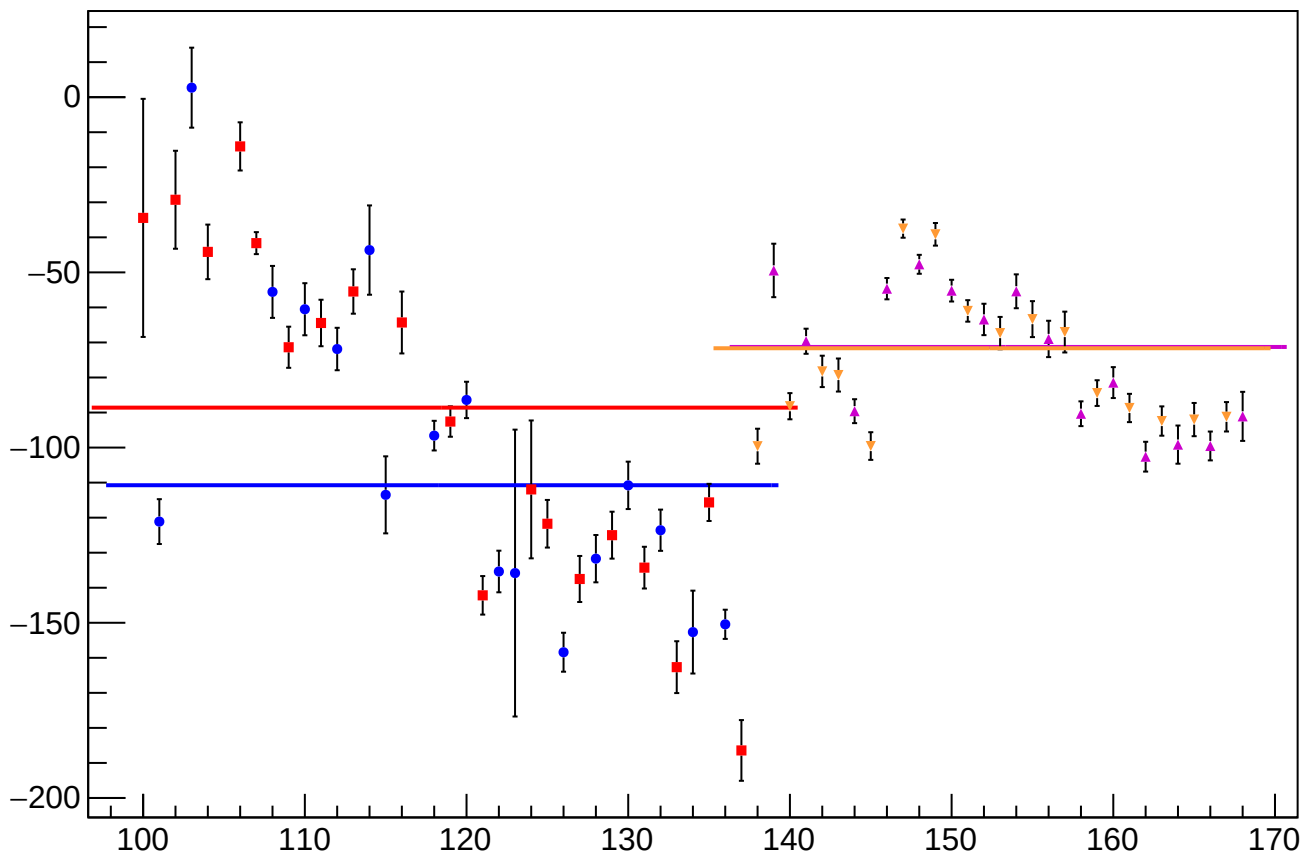
Right: -301.220 $\pm$ 1.721 χ^2 /NDF: 4411.6/35

In: -254.665 $\pm$ 1.095 χ^2 /NDF: 2356.0/31

Out: -247.062 $\pm$ 1.064 χ^2 /NDF: 4252.0/34

All: -250.757 $\pm$ 0.763 χ^2 /NDF: 6632.8/66

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -110.745 ± 1.578 χ^2/NDF : 513.4/16

Left Out: -71.654 ± 0.986 χ^2/NDF : 490.9/15

Right Out: -88.600 ± 1.435 χ^2/NDF : 969.7/18

Left In: -71.284 ± 1.021 χ^2/NDF : 354.2/14

Left: -71.476 ± 0.709 χ^2/NDF : 845.1/30

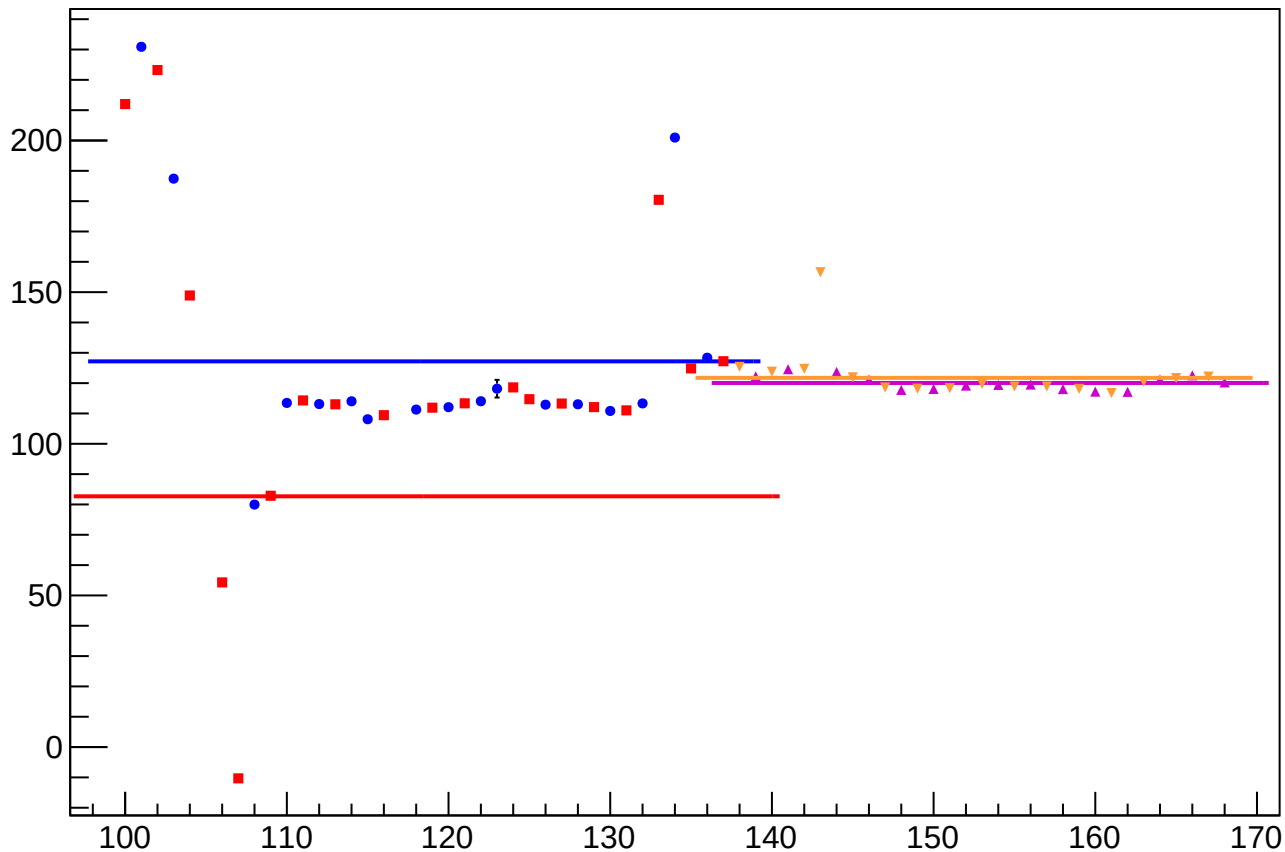
Right: -98.623 ± 1.061 χ^2/NDF : 1591.0/35

In: -82.930 ± 0.857 χ^2/NDF : 1308.6/31

Out: -77.088 ± 0.812 χ^2/NDF : 1555.4/34

All: -79.853 ± 0.590 χ^2/NDF : 2888.5/66

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.179 $\pm$ 0.089 χ^2 /NDF: 188050.9/16

Left Out: 121.743 $\pm$ 0.048 χ^2 /NDF: 23678.4/15

Right Out: 82.684 $\pm$ 0.075 χ^2 /NDF: 765716.0/18

Left In: 120.059 $\pm$ 0.049 χ^2 /NDF: 2383.4/14

Left: 120.907 $\pm$ 0.034 χ^2 /NDF: 26669.1/30

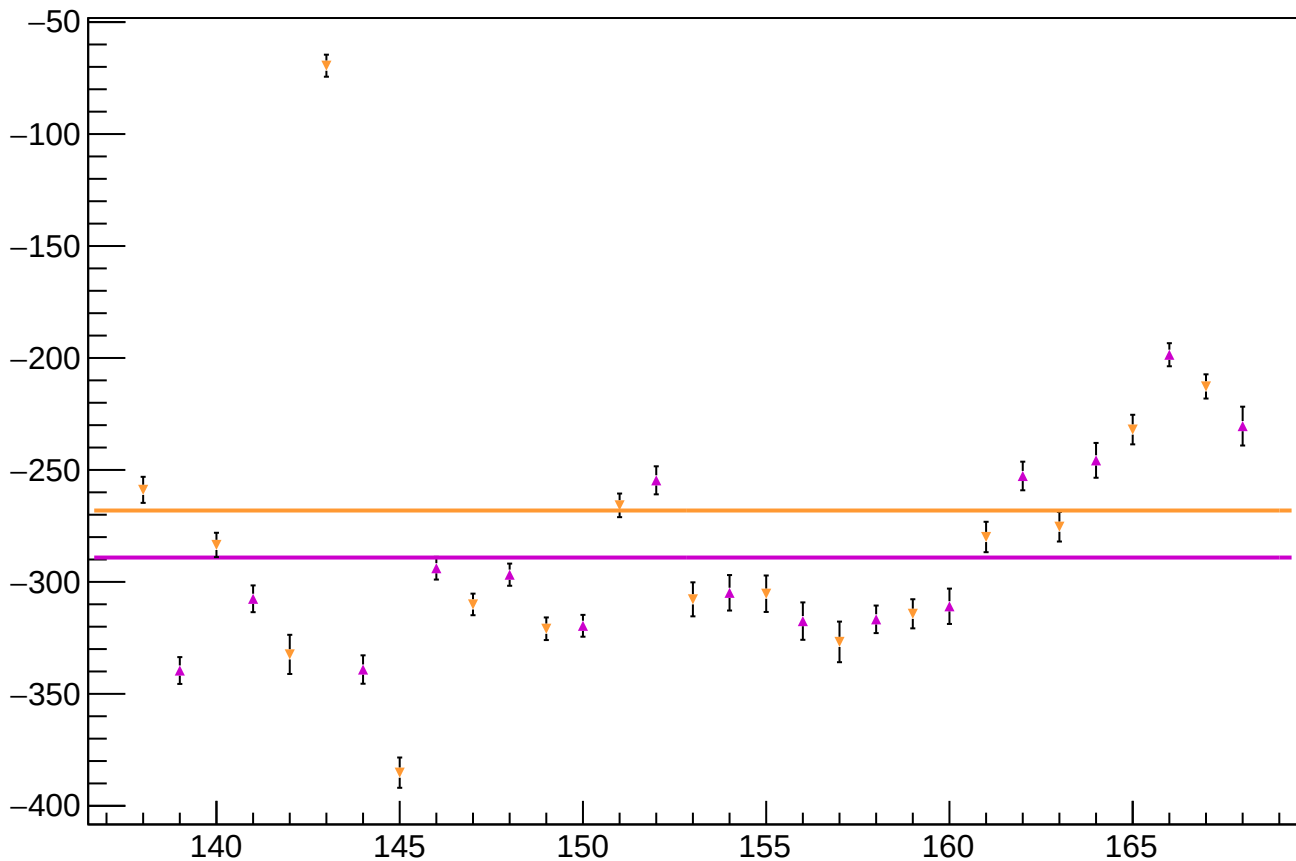
Right: 101.242 $\pm$ 0.057 χ^2 /NDF: 1099401.9/35

In: 121.689 $\pm$ 0.043 χ^2 /NDF: 195367.0/31

Out: 110.416 $\pm$ 0.041 χ^2 /NDF: 980427.2/34

All: 115.775 $\pm$ 0.029 χ^2 /NDF: 1212538.4/66

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -268.119+/-1.529 χ^2/NDF :2456.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -289.123+/-1.596 χ^2/NDF :676.8/14

Left: -278.174+/-1.104 χ^2/NDF : 3223.7/30

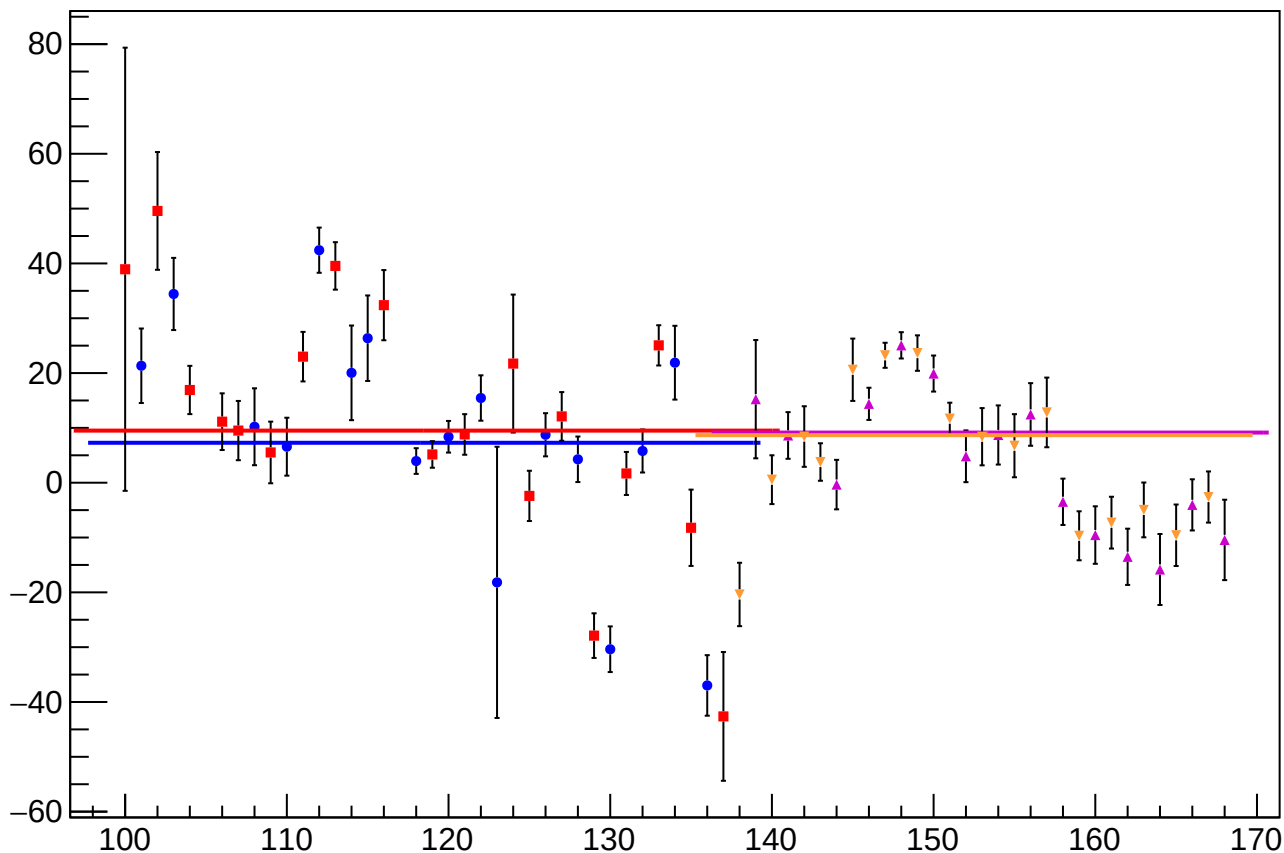
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -289.123+/-1.596 χ^2/NDF :676.8/14

Out: -268.119+/-1.529 χ^2/NDF :2456.6/15

All: -278.174+/-1.104 χ^2/NDF : 3223.7/30

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.284 ± 1.084 χ^2/NDF : 261.0/16

Left Out: 8.672 ± 1.032 χ^2/NDF : 151.0/15

Right Out: 9.505 ± 1.074 χ^2/NDF : 231.5/18

Left In: 9.146 ± 1.102 χ^2/NDF : 134.9/14

Left: 8.894 ± 0.753 χ^2/NDF : 286.0/30

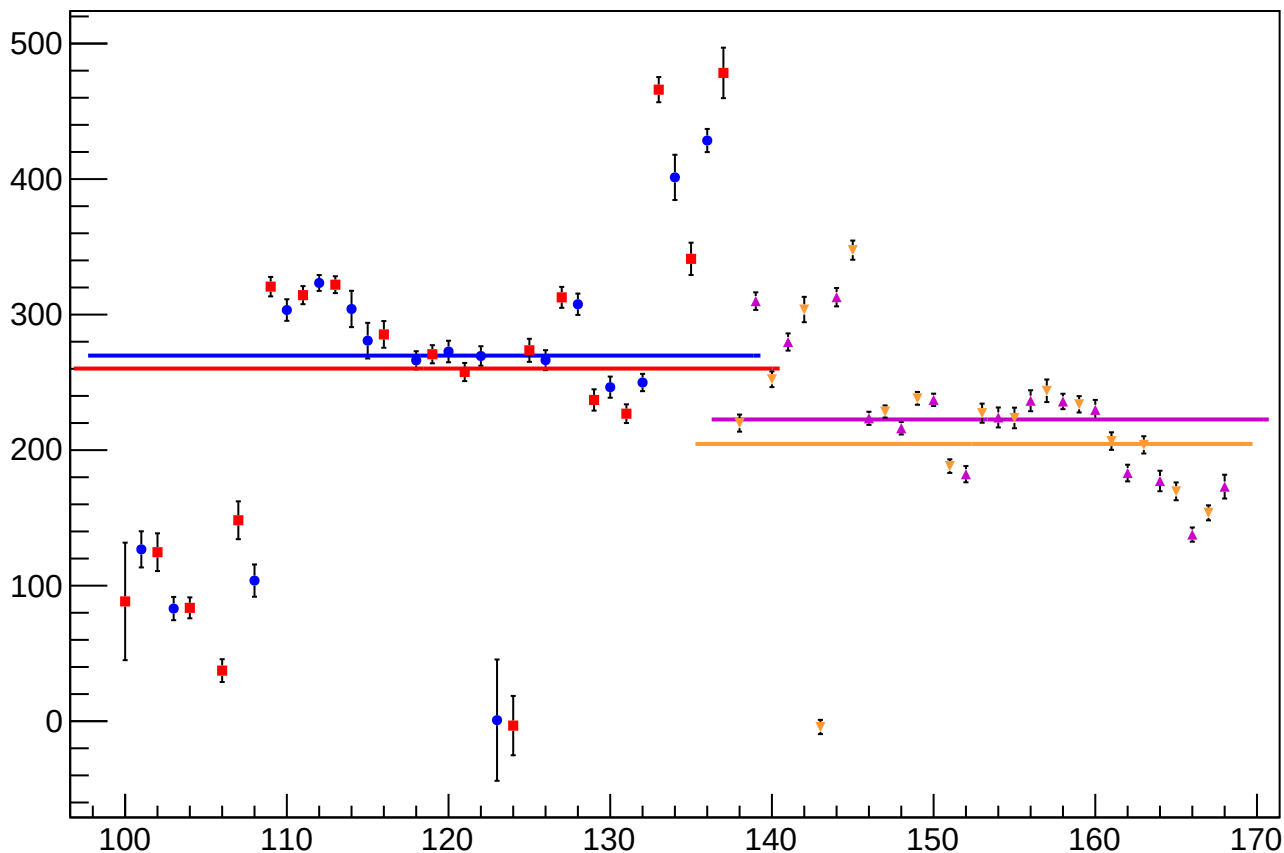
Right: 8.404 ± 0.763 χ^2/NDF : 494.7/35

In: 8.200 ± 0.773 χ^2/NDF : 397.4/31

Out: 9.072 ± 0.744 χ^2/NDF : 382.8/34

All: 8.652 ± 0.536 χ^2/NDF : 780.9/66

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.748 $\pm$ 2.071 χ^2/NDF : 1374.1/16

Left Out: 204.567 $\pm$ 1.508 χ^2/NDF :2437.5/15

Right Out: 260.206 $\pm$ 1.978 χ^2/NDF : 2541.6/18

Left In: 222.635 $\pm$ 1.556 χ^2/NDF :876.8/14

Left: 213.316 $\pm$ 1.083 χ^2/NDF : 3383.9/30

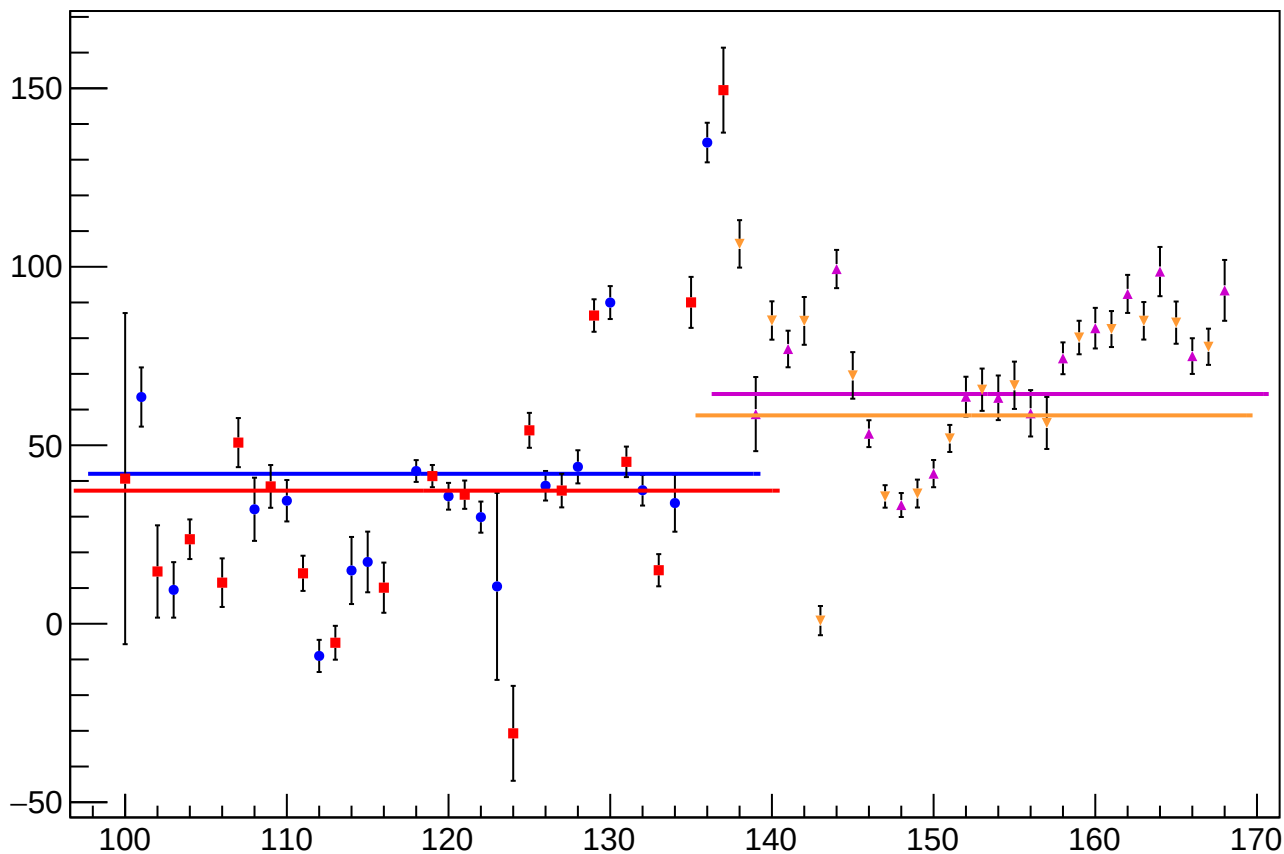
Right: 264.757 $\pm$ 1.430 χ^2/NDF : 3926.7/35

In: 239.629 $\pm$ 1.244 χ^2/NDF :2581.6/31

Out: 225.015 $\pm$ 1.199 χ^2/NDF :5479.6/34

All: 232.052 $\pm$ 0.863 χ^2/NDF : 8132.8/66

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006 $\pm$ 1.255 χ^2 /NDF: 575.6/16

Left Out: 58.372 $\pm$ 1.234 χ^2 /NDF: 486.0/15

Right Out: 37.284 $\pm$ 1.237 χ^2 /NDF: 472.6/18

Left In: 64.361 $\pm$ 1.310 χ^2 /NDF: 262.5/14

Left: 61.186 $\pm$ 0.898 χ^2 /NDF: 759.6/30

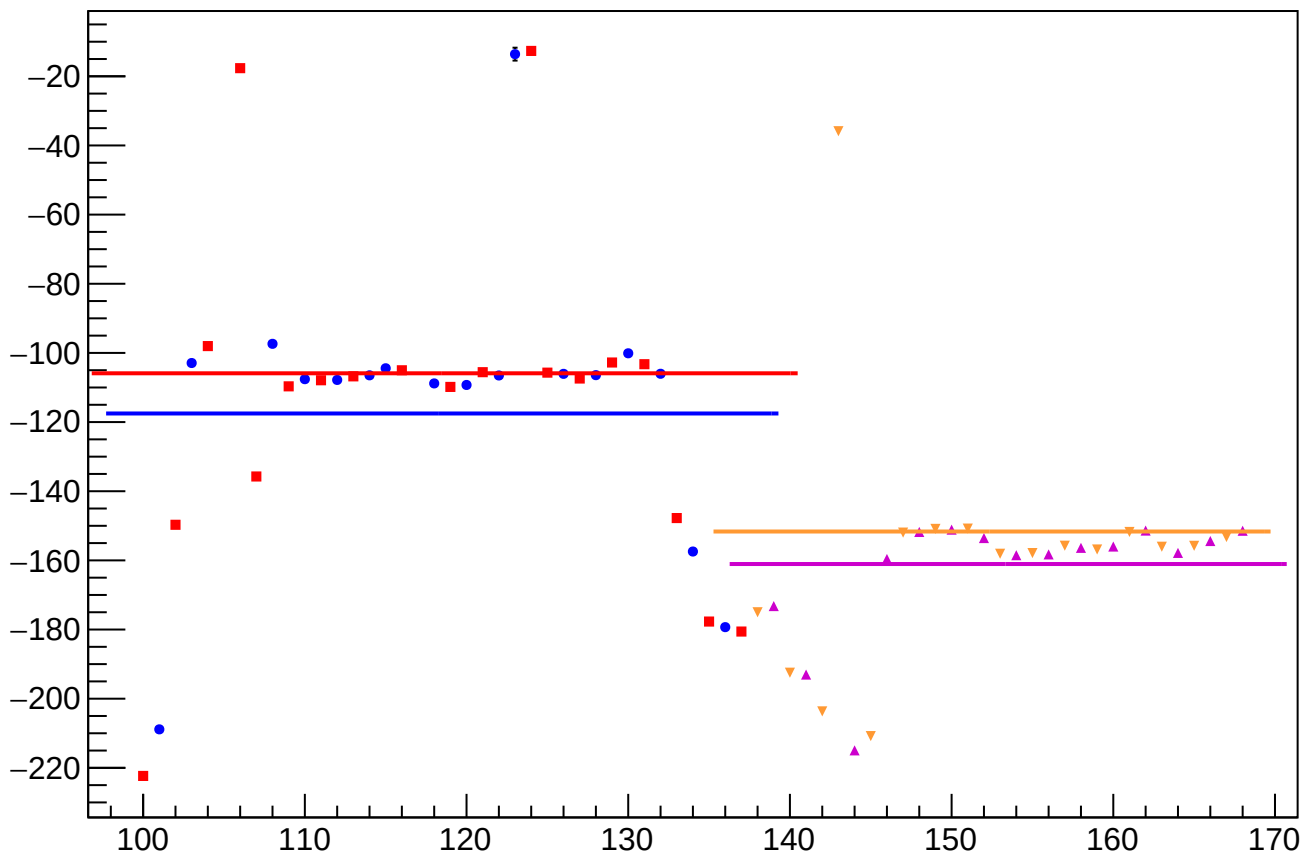
Right: 39.611 $\pm$ 0.881 χ^2 /NDF: 1055.4/35

In: 52.709 $\pm$ 0.906 χ^2 /NDF: 989.9/31

Out: 47.859 $\pm$ 0.873 χ^2 /NDF: 1104.3/34

All: 50.194 $\pm$ 0.629 χ^2 /NDF: 2109.1/66

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.516+/-0.078 χ^2/NDF : 142016.6/16

Left Out: -151.650+/-0.061 χ^2/NDF : 403935.3/15

Right Out: -105.892+/-0.073 χ^2/NDF : 324304.4/18

Left In: -161.053+/-0.062 χ^2/NDF : 61462.1/14

Left: -156.222+/-0.044 χ^2/NDF : 477066.6/30

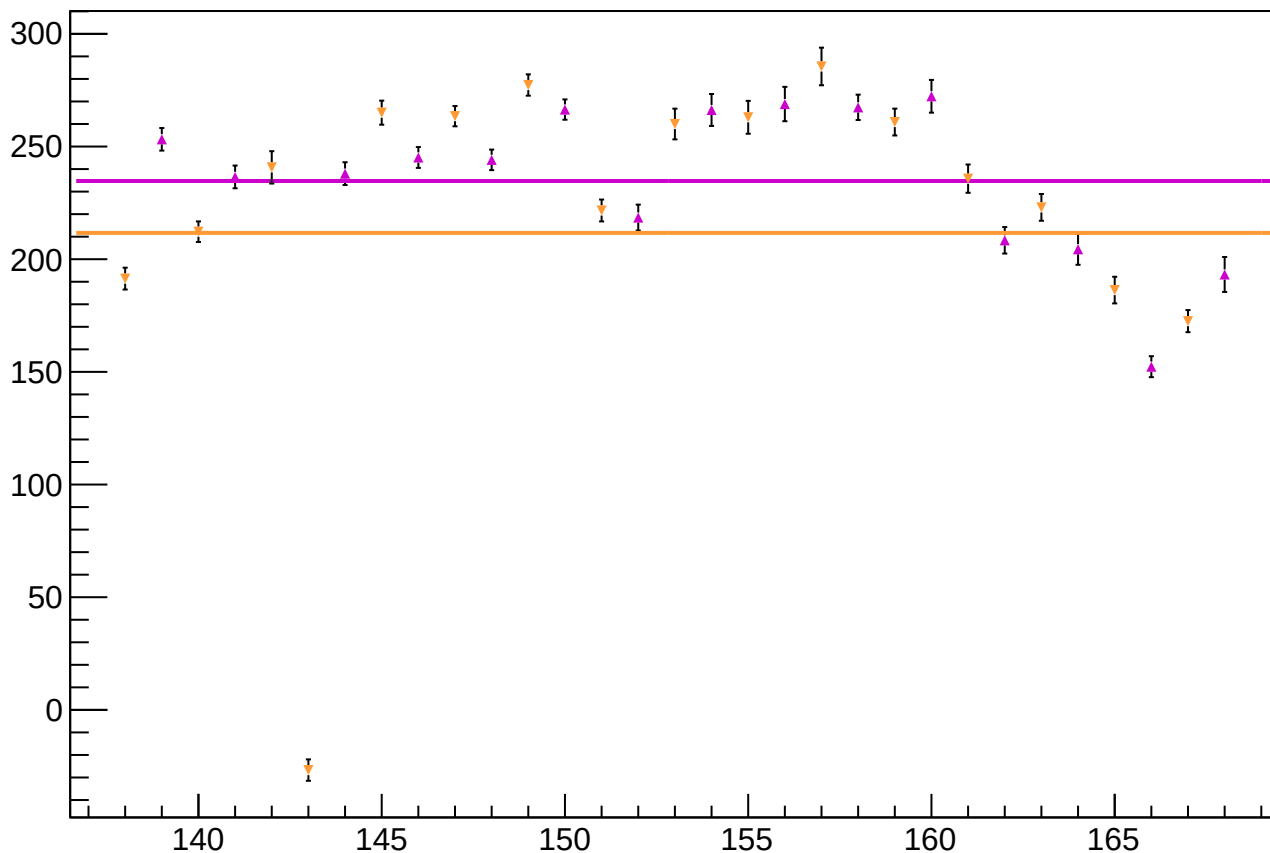
Right: -111.303+/-0.053 χ^2/NDF : 478188.8/35

In: -144.068+/-0.049 χ^2/NDF : 393475.2/31

Out: -132.887+/-0.047 χ^2/NDF : 961309.9/34

All: -138.231+/-0.034 χ^2/NDF : 1382281.7/66

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 211.675+/-1.370 χ^2/NDF :3324.0/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 234.715+/-1.424 χ^2/NDF :563.6/14

Left: 222.752+/-0.987 χ^2/NDF : 4023.6/30

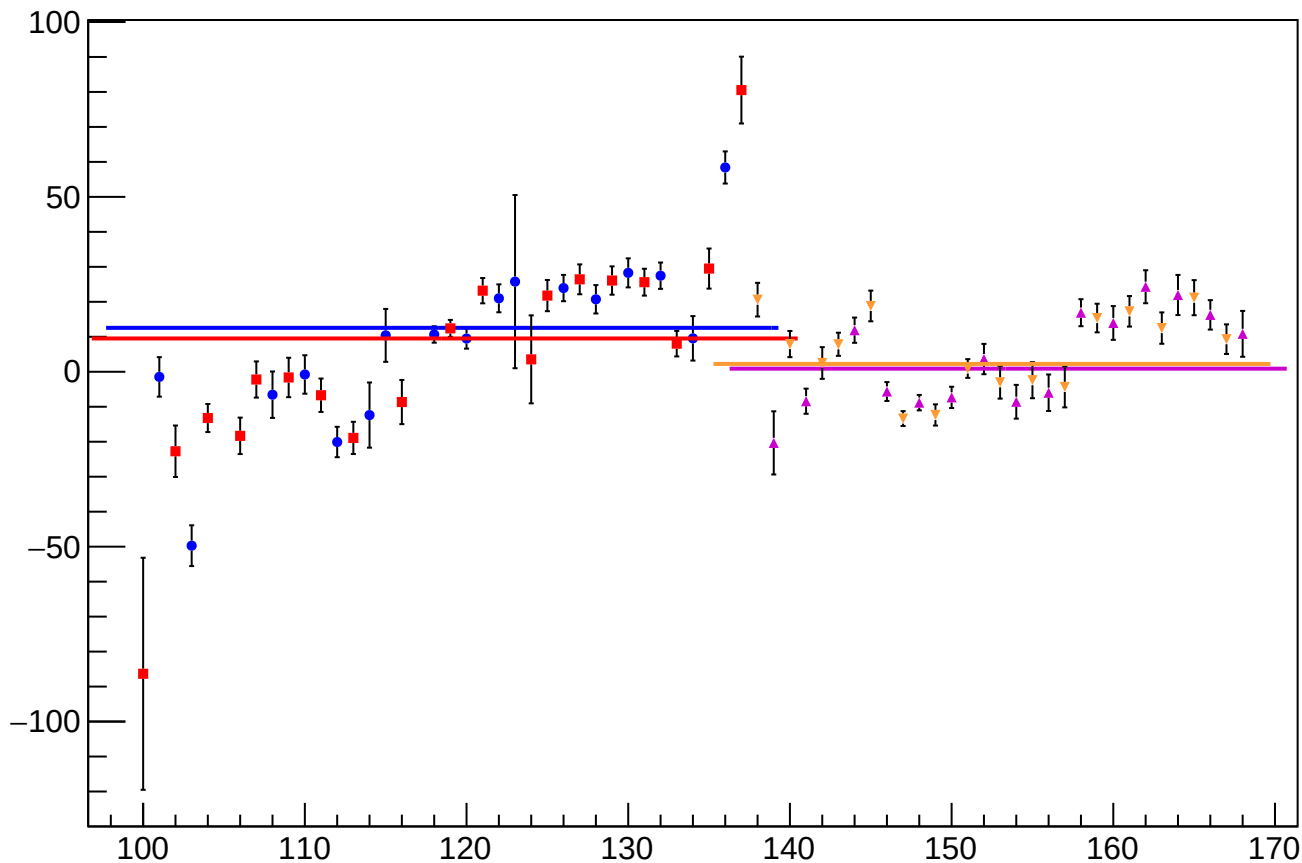
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 234.715+/-1.424 χ^2/NDF :563.6/14

Out: 211.675+/-1.370 χ^2/NDF :3324.0/15

All: 222.752+/-0.987 χ^2/NDF : 4023.6/30

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.561+/-1.056 χ^2/NDF : 347.7/16

Left Out: 2.243+/-0.935 χ^2/NDF :158.9/15

Right Out: 9.519+/-1.051 χ^2/NDF : 296.2/18

Left In: 0.888+/-0.993 χ^2/NDF :138.3/14

Left: 1.606+/-0.680 χ^2/NDF : 298.1/30

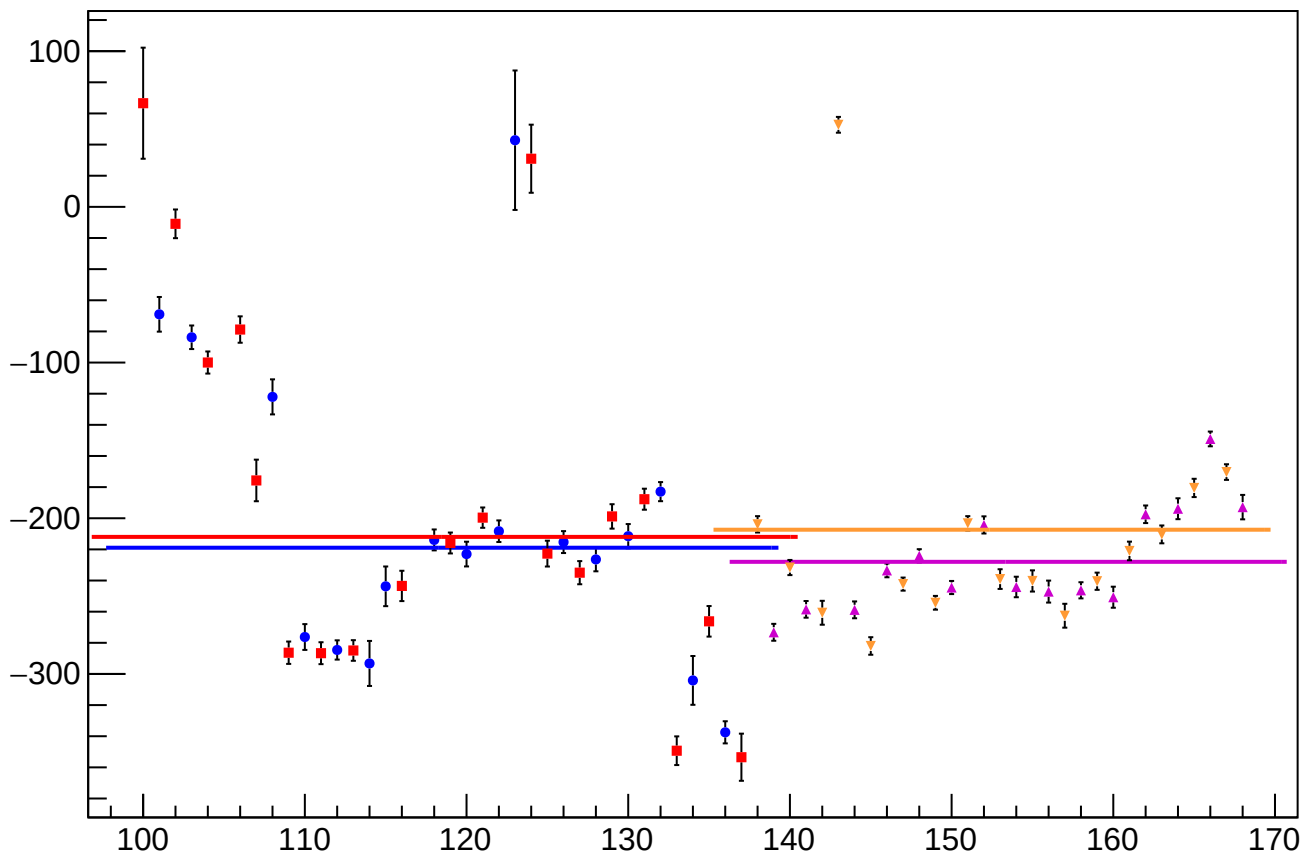
Right: 11.033+/-0.745 χ^2/NDF : 648.2/35

In: 6.366+/-0.723 χ^2/NDF :550.9/31

Out: 5.457+/-0.698 χ^2/NDF :481.9/34

All: 5.896+/-0.502 χ^2/NDF : 1033.6/66

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.925 ± 2.006 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -207.360 ± 1.356 $\chi^2/\text{NDF}: 3274.3/15$

Right Out: -211.968 ± 1.924 $\chi^2/\text{NDF}: 1886.2/18$

Left In: -227.987 ± 1.394 $\chi^2/\text{NDF}: 560.7/14$

Left: -217.388 ± 0.972 $\chi^2/\text{NDF}: 3947.5/30$

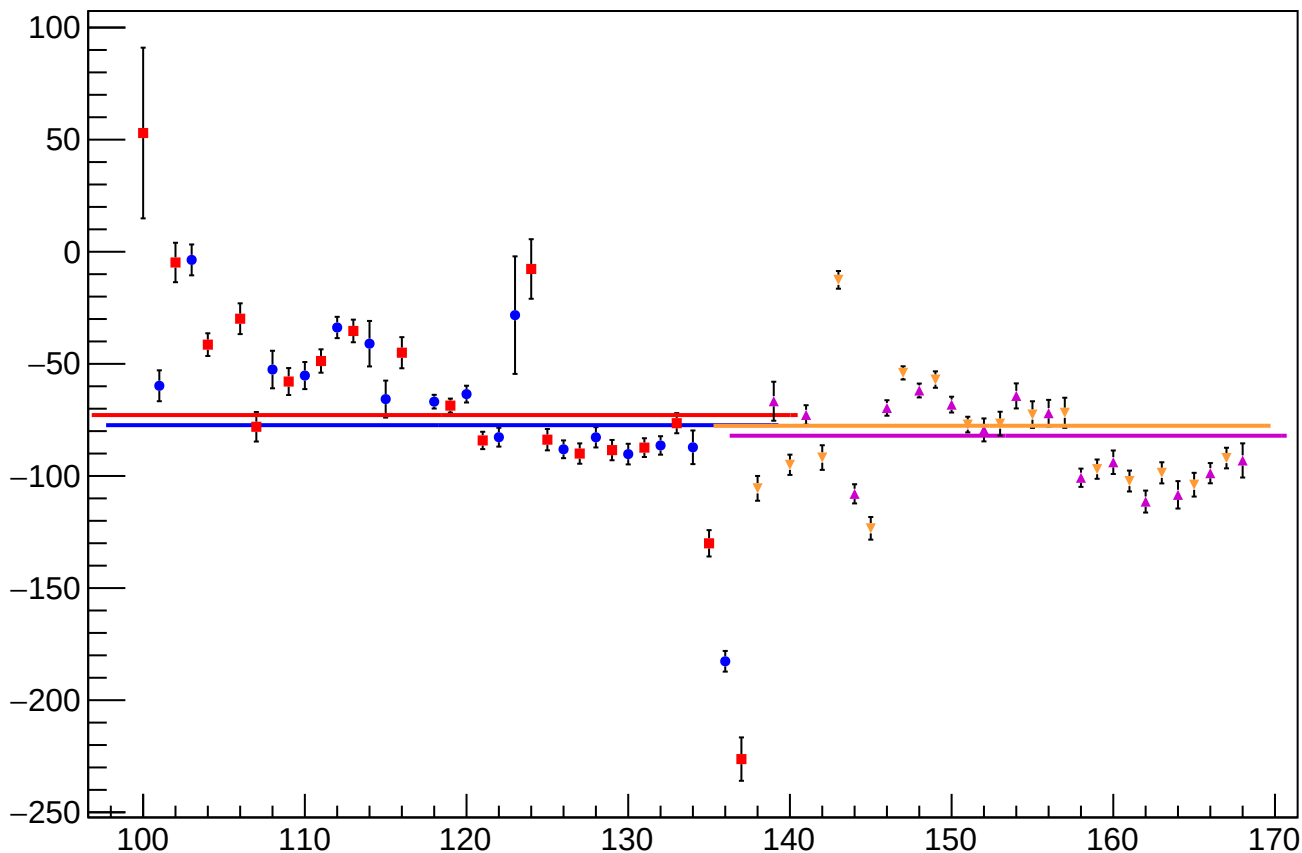
Right: -215.302 ± 1.389 $\chi^2/\text{NDF}: 3039.1/35$

In: -225.035 ± 1.145 $\chi^2/\text{NDF}: 1721.1/31$

Out: -208.889 ± 1.108 $\chi^2/\text{NDF}: 5164.4/34$

All: -216.702 ± 0.796 $\chi^2/\text{NDF}: 6988.1/66$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.342 ± 1.219 χ^2/NDF : 817.2/16

Left Out: -77.601 ± 1.115 χ^2/NDF : 600.2/15

Right Out: -72.836 ± 1.209 χ^2/NDF : 672.9/18

Left In: -82.047 ± 1.178 χ^2/NDF : 225.2/14

Left: -79.701 ± 0.810 χ^2/NDF : 832.9/30

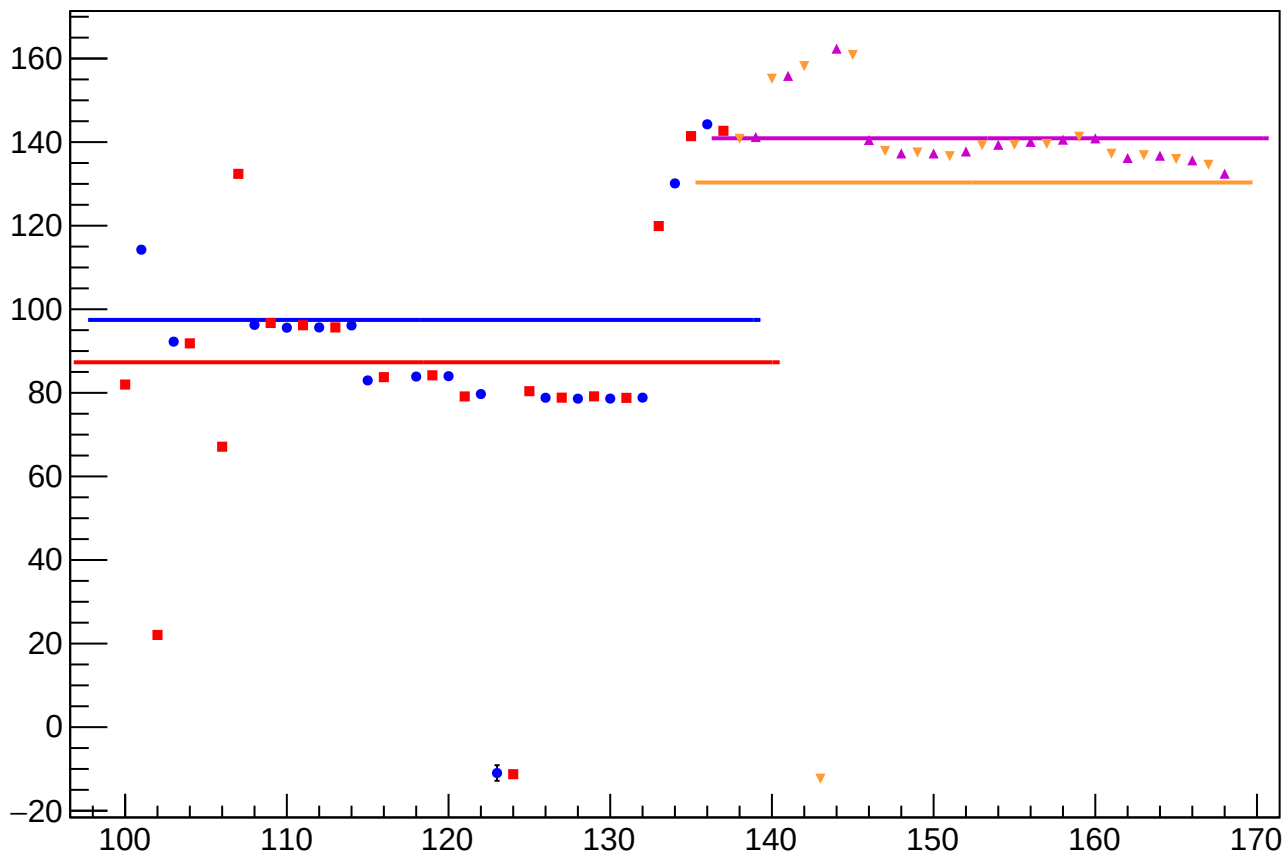
Right: -75.069 ± 0.858 χ^2/NDF : 1497.0/35

In: -79.775 ± 0.847 χ^2/NDF : 1050.1/31

Out: -75.410 ± 0.819 χ^2/NDF : 1281.5/34

All: -77.520 ± 0.589 χ^2/NDF : 2345.3/66

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.452+/-0.073 χ^2/NDF : 94476.4/16

Left Out: 130.337+/-0.055 χ^2/NDF : 550608.3/15

Right Out: 87.315+/-0.068 χ^2/NDF : 221837.7/18

Left In: 140.915+/-0.056 χ^2/NDF : 16136.0/14

Left: 135.498+/-0.039 χ^2/NDF : 585102.7/30

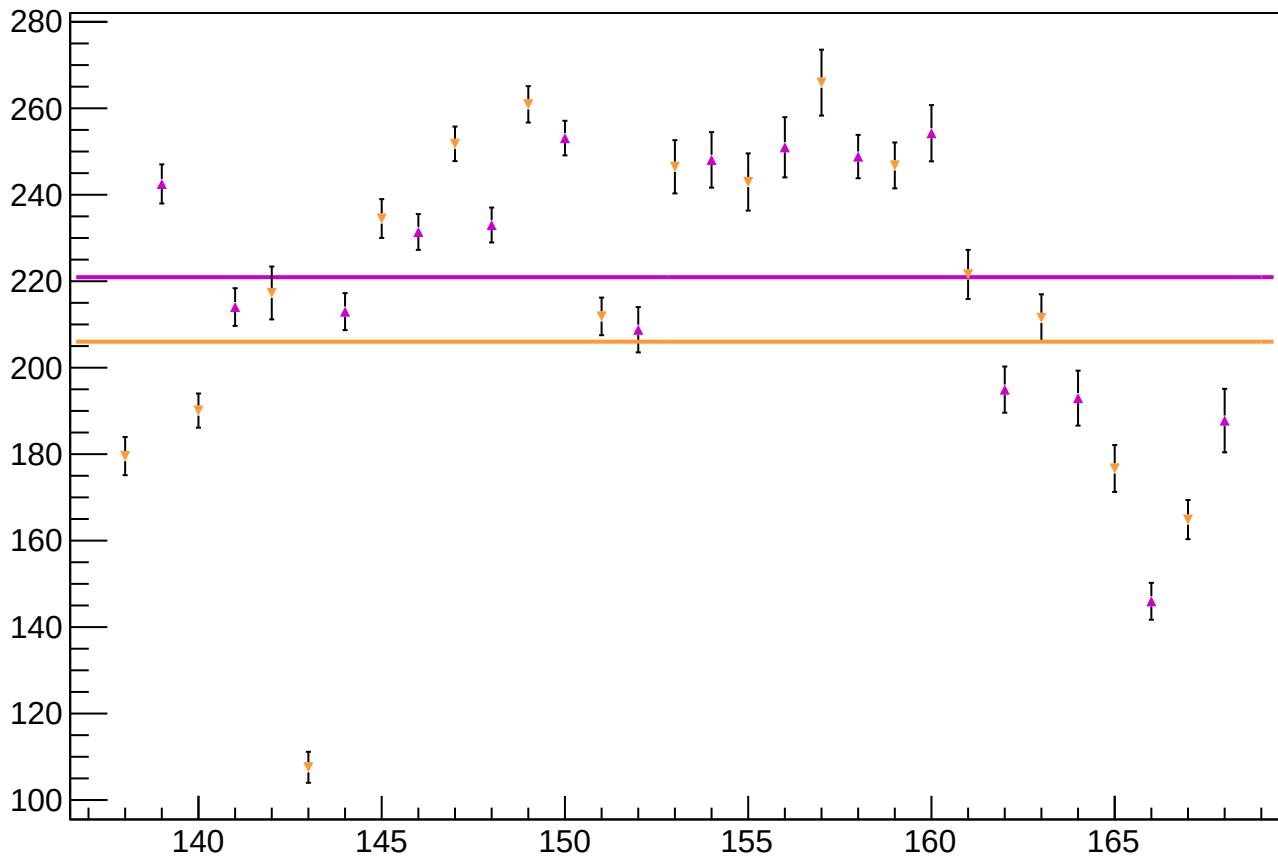
Right: 92.024+/-0.050 χ^2/NDF : 326563.7/35

In: 124.935+/-0.044 χ^2/NDF : 333144.1/31

Out: 113.571+/-0.043 χ^2/NDF : 1015016.2/34

All: 119.015+/-0.031 χ^2/NDF : 1382247.5/66

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 206.019 $\pm$ 1.204 χ^2/NDF :1468.3/15

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 220.939 $\pm$ 1.274 χ^2/NDF :580.5/14

Left: 213.056 $\pm$ 0.875 χ^2/NDF : 2121.3/30

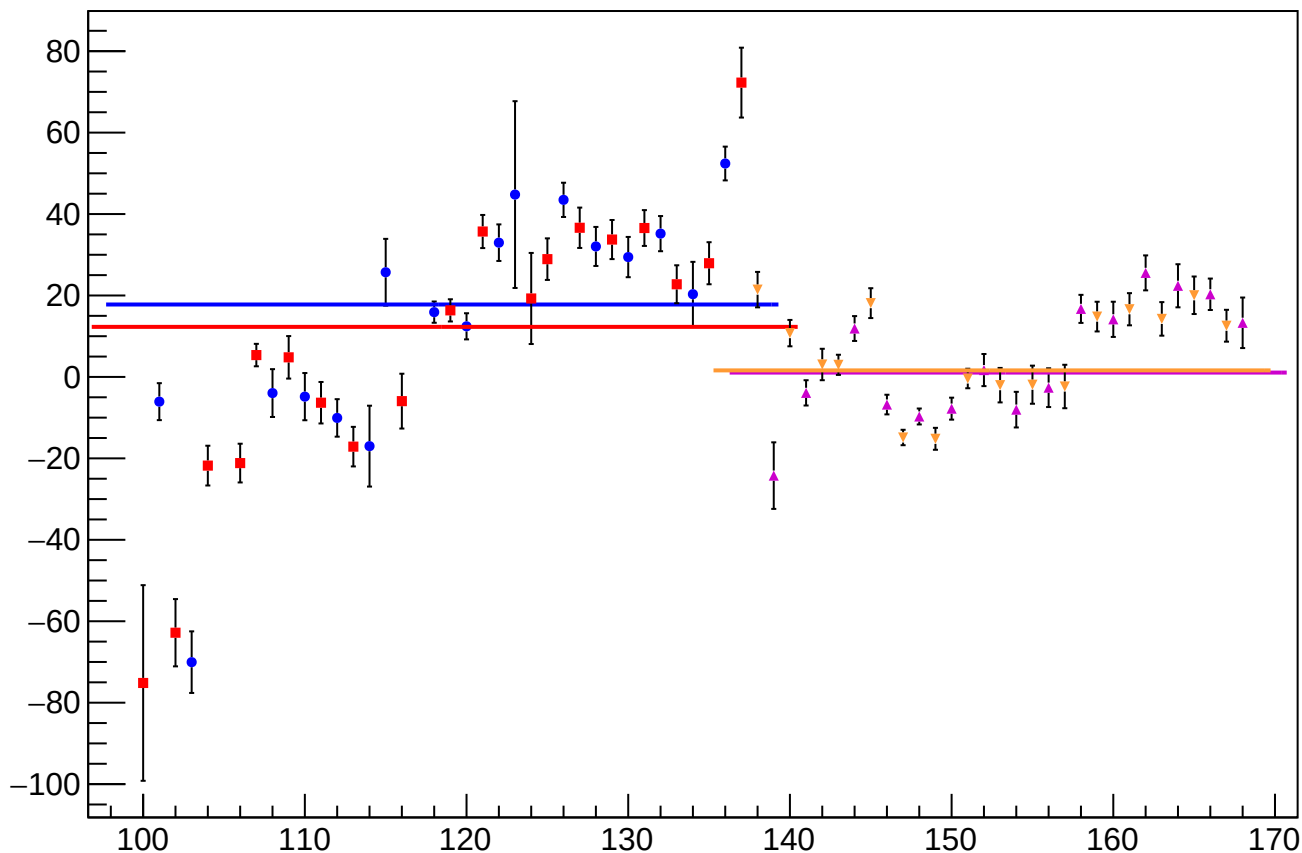
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 220.939 $\pm$ 1.274 χ^2/NDF :580.5/14

Out: 206.019 $\pm$ 1.204 χ^2/NDF :1468.3/15

All: 213.056 $\pm$ 0.875 χ^2/NDF : 2121.3/30

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.786 ± 1.146 χ^2/NDF : 395.1/16

Left Out: 1.604 ± 0.819 χ^2/NDF : 227.5/15

Right Out: 12.294 ± 1.086 χ^2/NDF : 443.7/18

Left In: 1.069 ± 0.885 χ^2/NDF : 188.6/14

Left: 1.357 ± 0.601 χ^2/NDF : 416.3/30

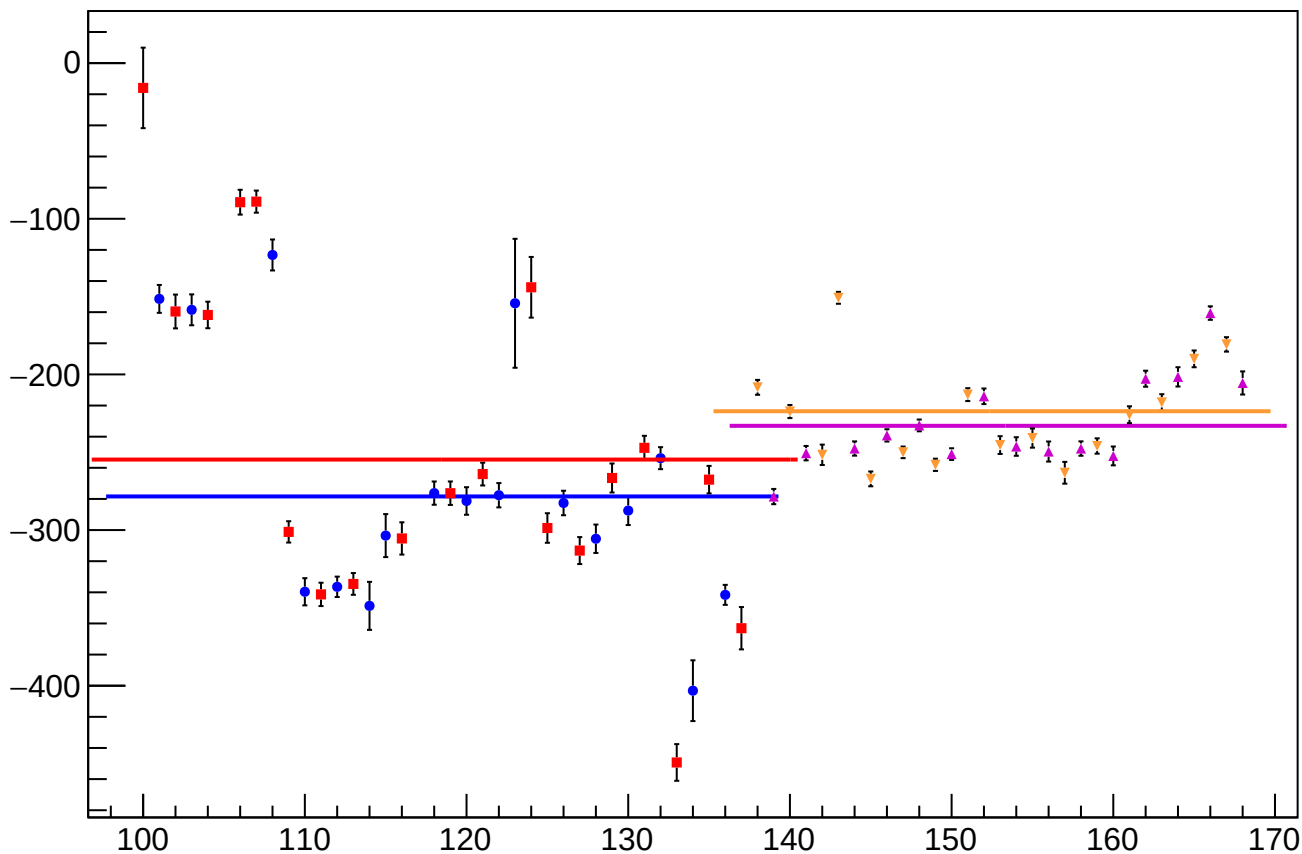
Right: 14.891 ± 0.788 χ^2/NDF : 850.9/35

In: 7.309 ± 0.700 χ^2/NDF : 717.0/31

Out: 5.480 ± 0.654 χ^2/NDF : 733.0/34

All: 6.332 ± 0.478 χ^2/NDF : 1453.6/66

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.393 ± 2.168 $\chi^2/\text{NDF}: 910.5/16$

Left Out: -223.649 ± 1.195 $\chi^2/\text{NDF}: 808.5/15$

Right Out: -254.703 ± 2.020 $\chi^2/\text{NDF}: 2038.5/18$

Left In: -233.027 ± 1.248 $\chi^2/\text{NDF}: 535.0/14$

Left: -228.135 ± 0.863 $\chi^2/\text{NDF}: 1372.9/30$

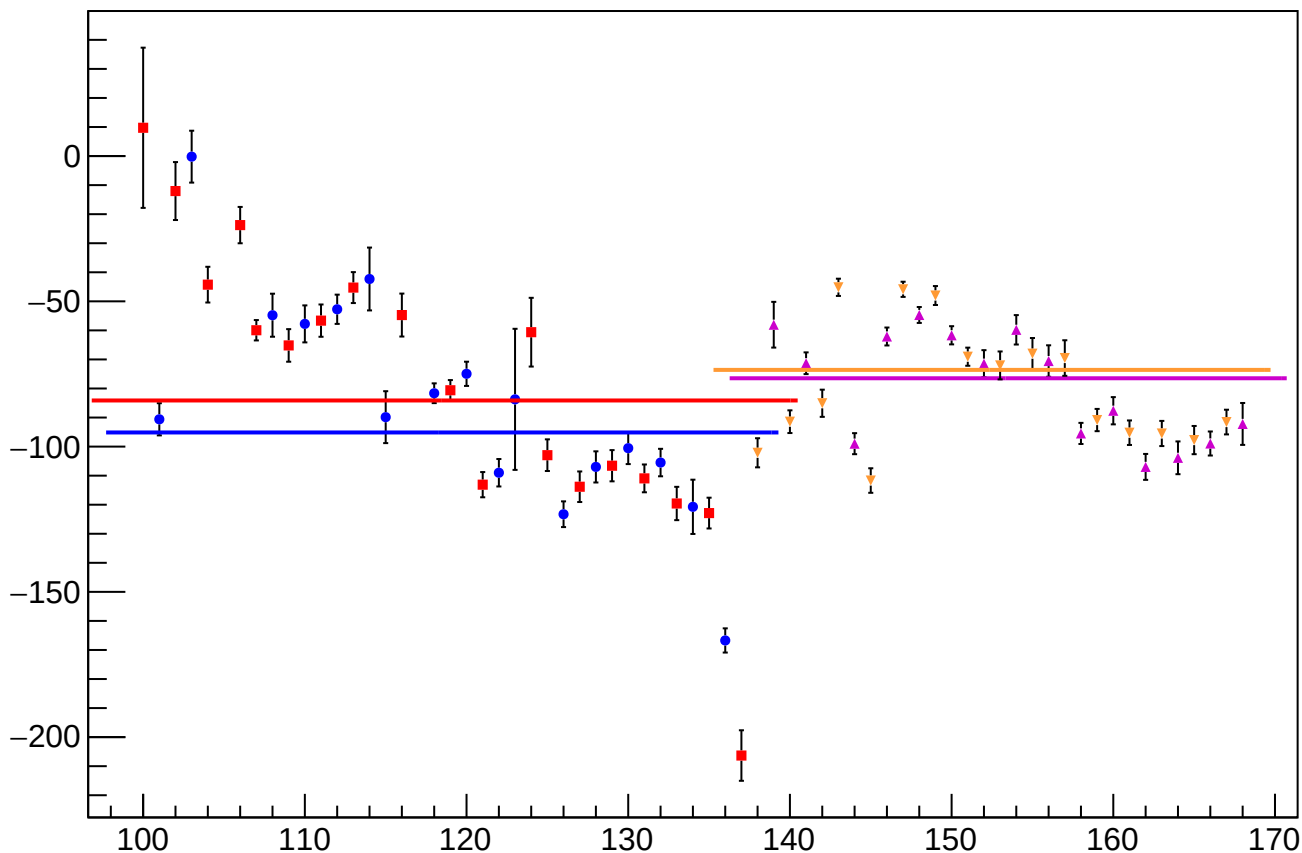
Right: -265.715 ± 1.478 $\chi^2/\text{NDF}: 3013.0/35$

In: -244.323 ± 1.082 $\chi^2/\text{NDF}: 1774.5/31$

Out: -231.701 ± 1.029 $\chi^2/\text{NDF}: 3022.1/34$

All: -237.695 ± 0.745 $\chi^2/\text{NDF}: 4868.0/66$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.135 ± 1.322 χ^2/NDF : 674.9/16

Left Out: -73.597 ± 0.979 χ^2/NDF : 525.2/15

Right Out: -84.124 ± 1.259 χ^2/NDF : 782.9/18

Left In: -76.482 ± 1.052 χ^2/NDF : 304.1/14

Left: -74.936 ± 0.716 χ^2/NDF : 833.4/30

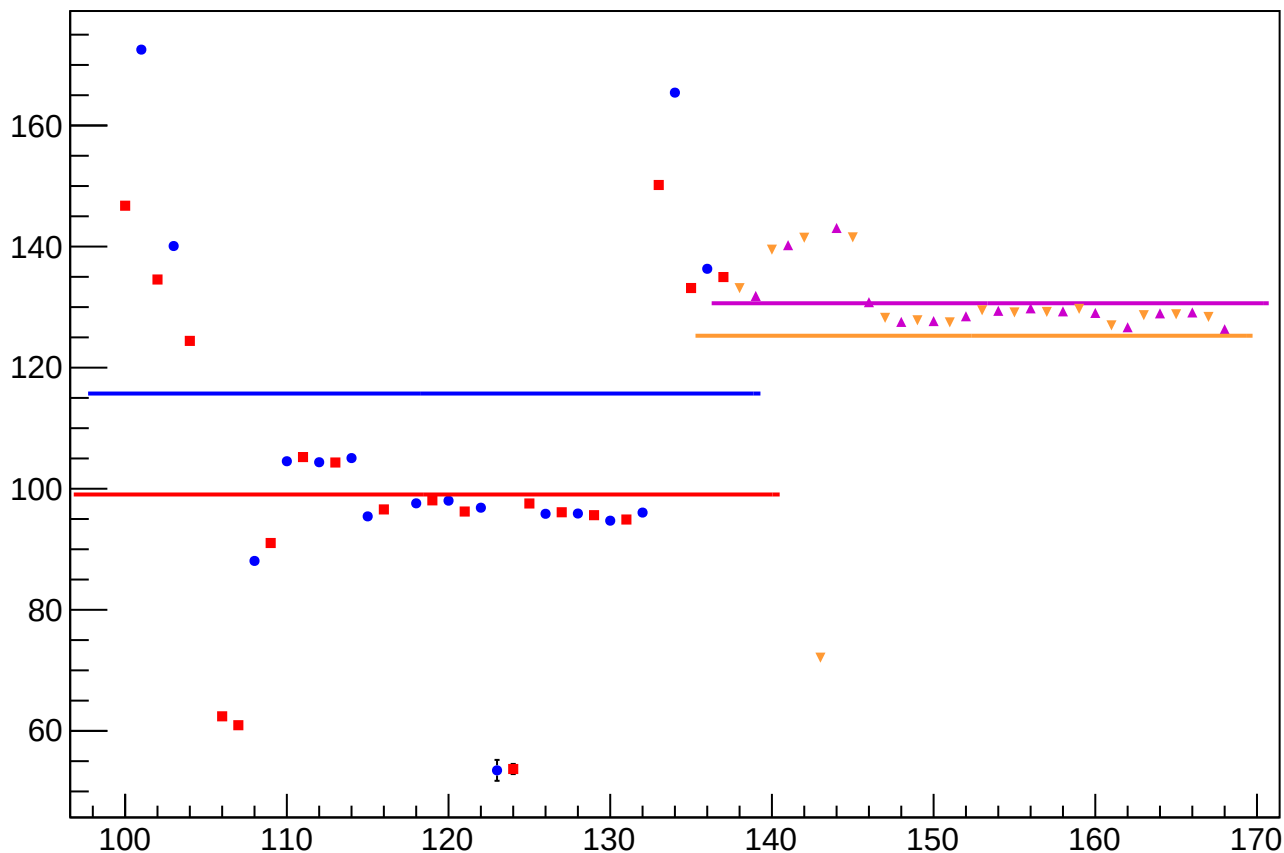
Right: -89.357 ± 0.912 χ^2/NDF : 1494.2/35

In: -83.708 ± 0.823 χ^2/NDF : 1100.9/31

Out: -77.564 ± 0.773 χ^2/NDF : 1351.7/34

All: -80.442 ± 0.563 χ^2/NDF : 2482.2/66

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.724 $\pm$ 0.078 χ^2 /NDF: 106388.1/16

Left Out: 125.271 $\pm$ 0.048 χ^2 /NDF:142328.5/15

Right Out: 99.049 $\pm$ 0.069 χ^2 /NDF: 173463.3/18

Left In: 130.637 $\pm$ 0.050 χ^2 /NDF:8239.7/14

Left: 127.847 $\pm$ 0.035 χ^2 /NDF: 156534.1/30

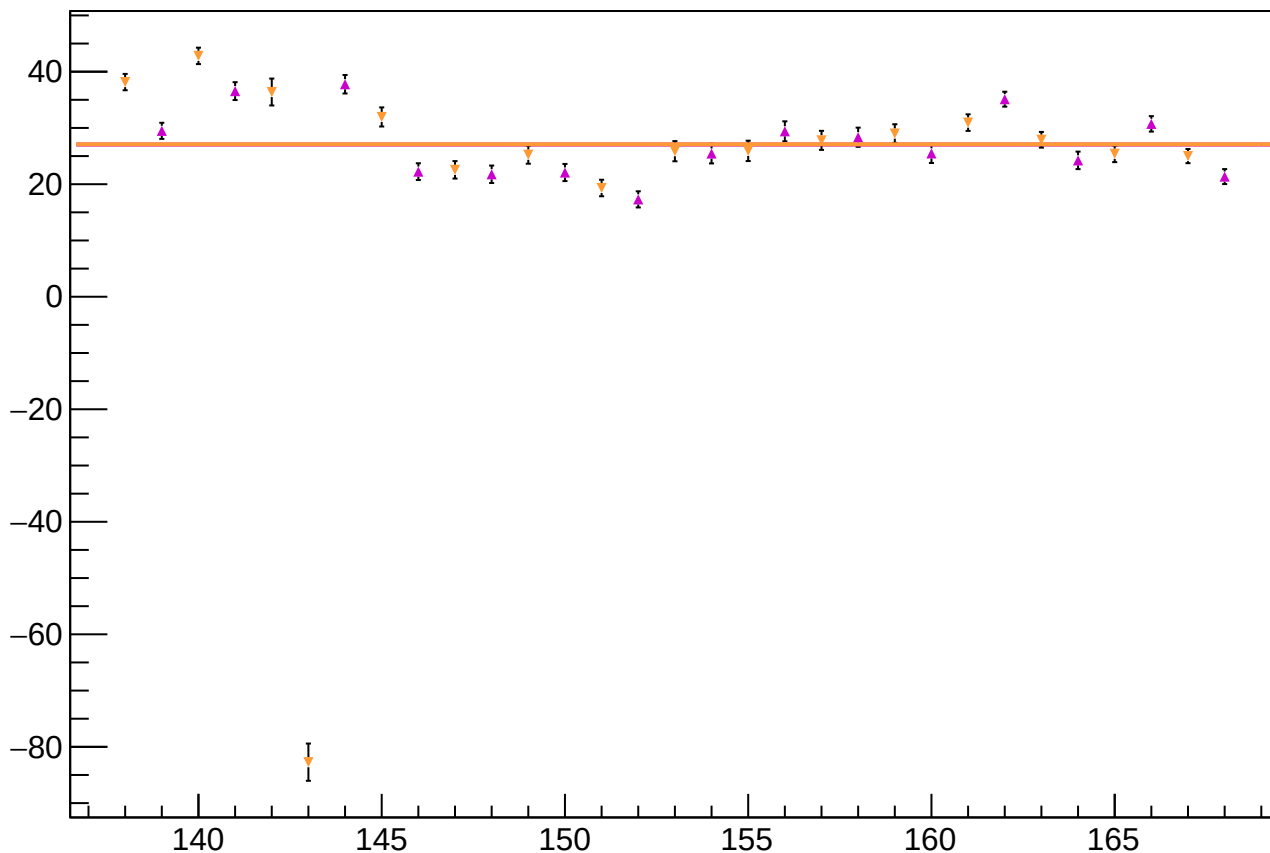
Right: 106.312 $\pm$ 0.051 χ^2 /NDF: 305658.4/35

In: 126.281 $\pm$ 0.042 χ^2 /NDF:140519.2/31

Out: 116.605 $\pm$ 0.039 χ^2 /NDF:413889.0/34

All: 121.115 $\pm$ 0.029 χ^2 /NDF: 582548.7/66

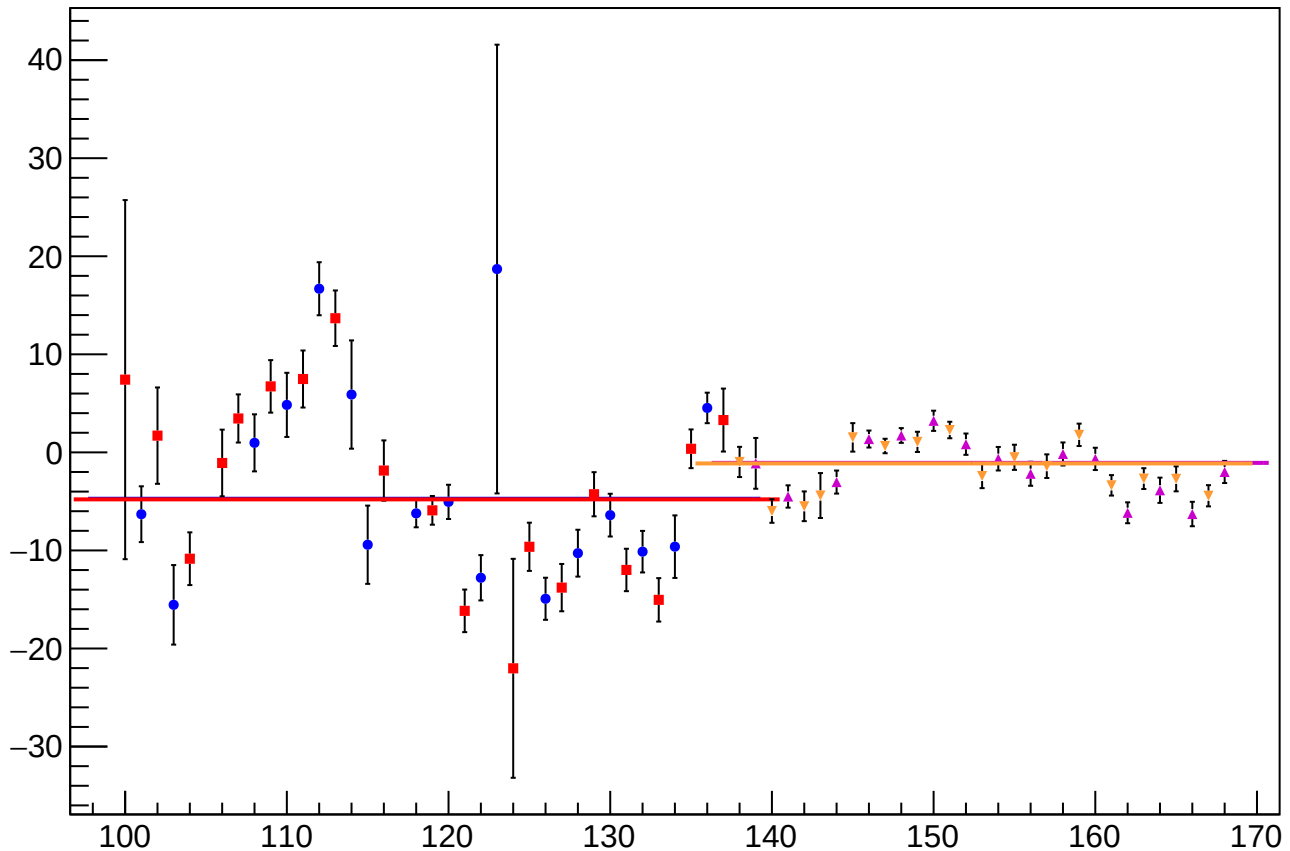
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 27.097+/-0.401 χ^2/NDF :1349.2/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 27.047+/-0.394 χ^2/NDF :229.9/14

Left: 27.071+/-0.281 χ^2/NDF : 1579.1/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 27.047+/-0.394 χ^2/NDF :229.9/14
 Out: 27.097+/-0.401 χ^2/NDF :1349.2/15
 All: 27.071+/-0.281 χ^2/NDF : 1579.1/30

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.730 ± 0.580 χ^2/NDF : 174.8/16

Left Out: -1.129 ± 0.284 χ^2/NDF : 82.2/15

Right Out: -4.793 ± 0.586 χ^2/NDF : 193.5/18

Left In: -1.071 ± 0.285 χ^2/NDF : 101.3/14

Left: -1.100 ± 0.201 χ^2/NDF : 183.5/30

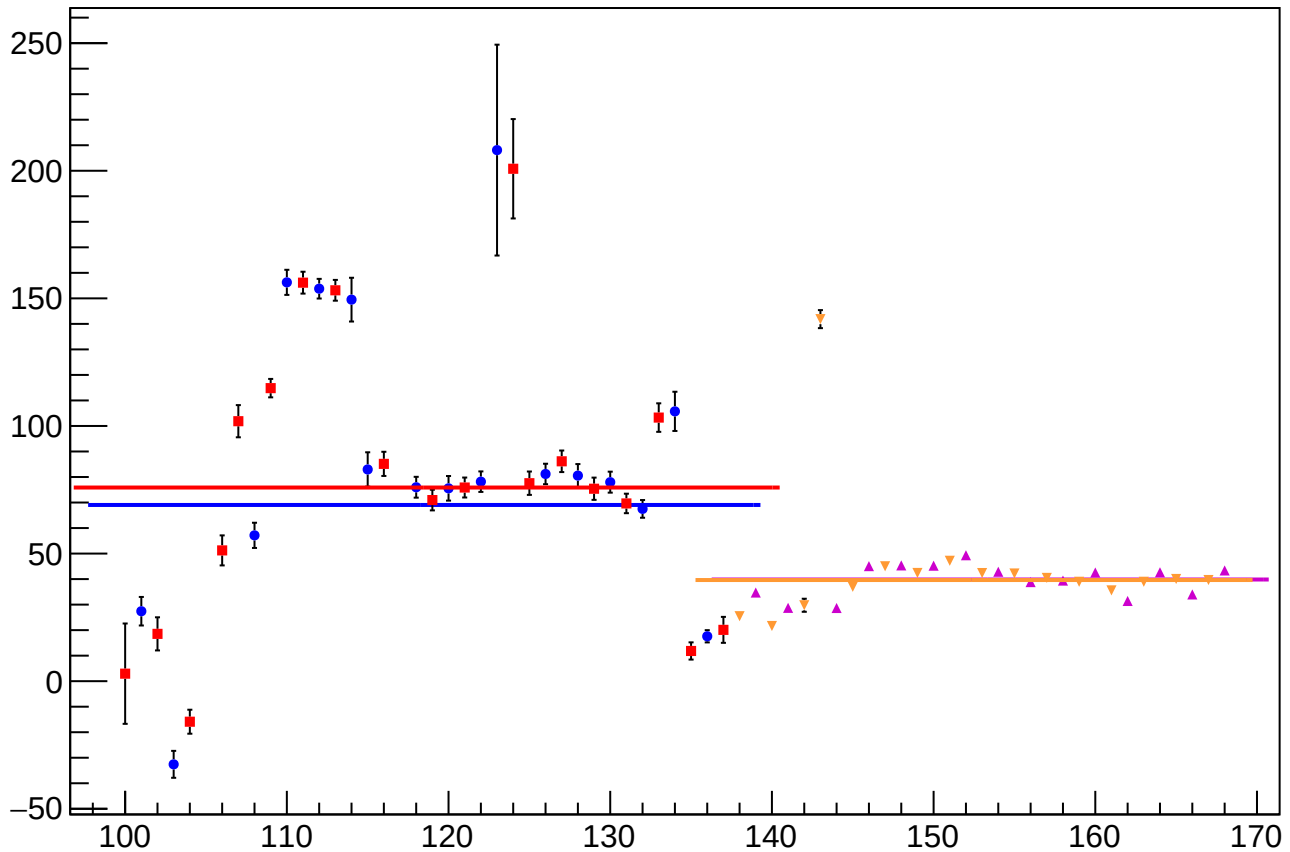
Right: -4.761 ± 0.412 χ^2/NDF : 368.3/35

In: -1.784 ± 0.256 χ^2/NDF : 308.2/31

Out: -1.826 ± 0.255 χ^2/NDF : 307.3/34

All: -1.805 ± 0.181 χ^2/NDF : 615.5/66

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.048 $\pm$ 1.077 χ^2 /NDF: 1847.9/16

Left Out: 39.630 $\pm$ 0.393 χ^2 /NDF:1129.5/15

Right Out: 75.878 $\pm$ 1.069 χ^2 /NDF: 1895.0/18

Left In: 39.837 $\pm$ 0.385 χ^2 /NDF:263.1/14

Left: 39.735 $\pm$ 0.275 χ^2 /NDF: 1392.7/30

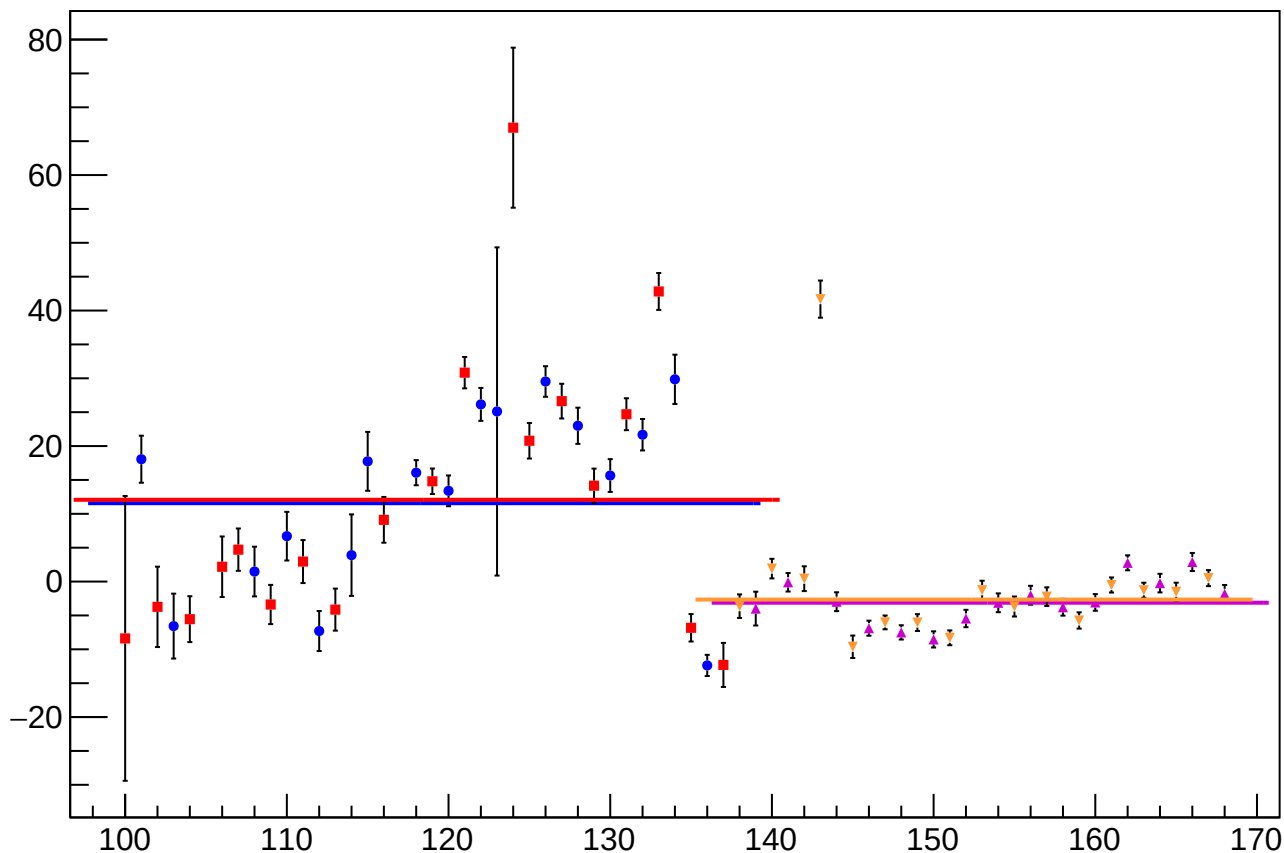
Right: 72.486 $\pm$ 0.759 χ^2 /NDF: 3763.1/35

In: 43.150 $\pm$ 0.363 χ^2 /NDF:2763.6/31

Out: 43.948 $\pm$ 0.369 χ^2 /NDF:4036.4/34

All: 43.542 $\pm$ 0.259 χ^2 /NDF: 6802.4/66

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.565 $\pm$ 0.658 χ^2 /NDF: 478.2/16

Left Out: -2.656 $\pm$ 0.331 χ^2 /NDF:358.6/15

Right Out: 12.071 $\pm$ 0.665 χ^2 /NDF: 543.3/18

Left In: -3.122 $\pm$ 0.332 χ^2 /NDF:112.6/14

Left: -2.888 $\pm$ 0.234 χ^2 /NDF: 472.1/30

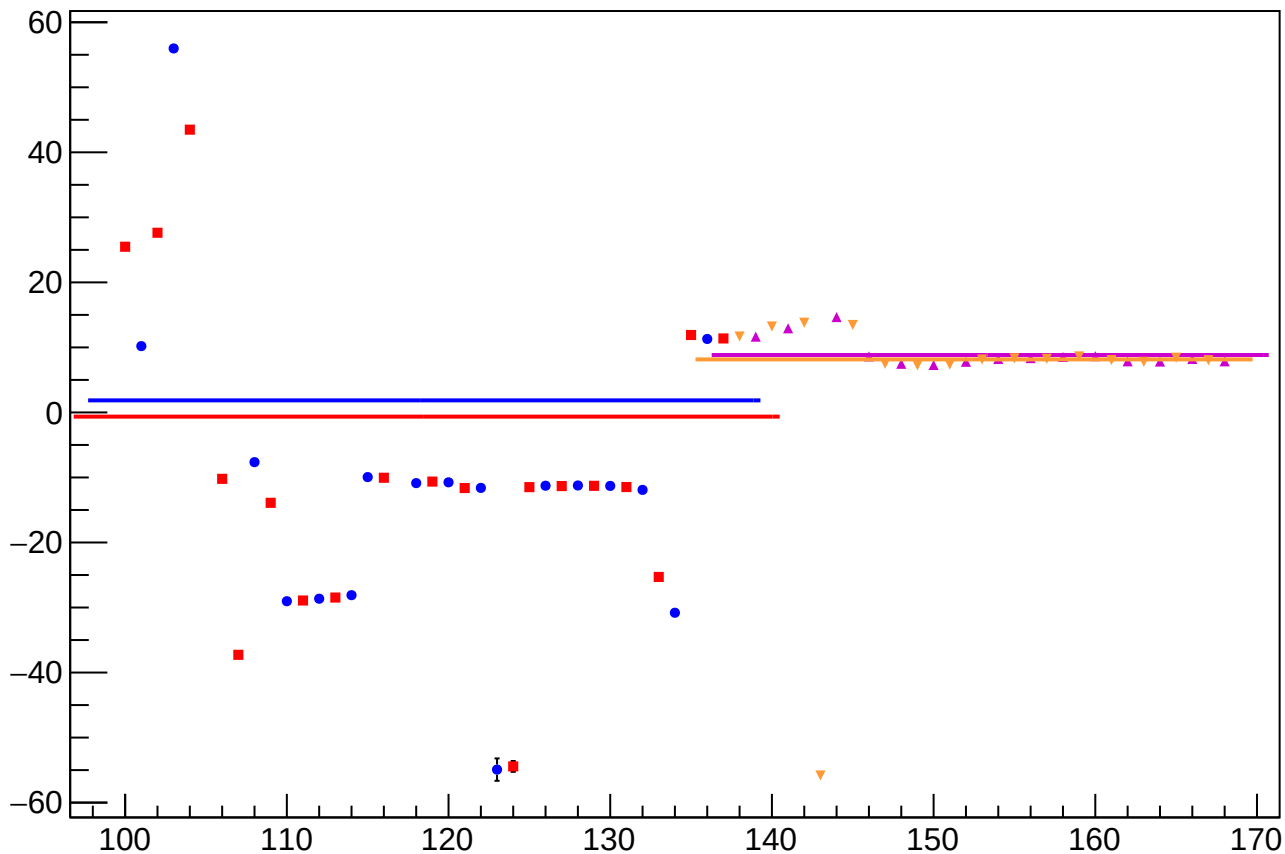
Right: 11.816 $\pm$ 0.468 χ^2 /NDF: 1021.8/35

In: -0.143 $\pm$ 0.296 χ^2 /NDF:987.7/31

Out: 0.271 $\pm$ 0.296 χ^2 /NDF:1295.4/34

All: 0.064 $\pm$ 0.210 χ^2 /NDF: 2284.0/66

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.855 $\pm$ 0.037 χ^2/NDF : 359414.1/16

Left Out: 8.153 $\pm$ 0.015 χ^2/NDF :222585.6/15

Right Out: -0.644 $\pm$ 0.037 χ^2/NDF : 361625.7/18

Left In: 8.832 $\pm$ 0.015 χ^2/NDF :14866.4/14

Left: 8.500 $\pm$ 0.011 χ^2/NDF : 238434.1/30

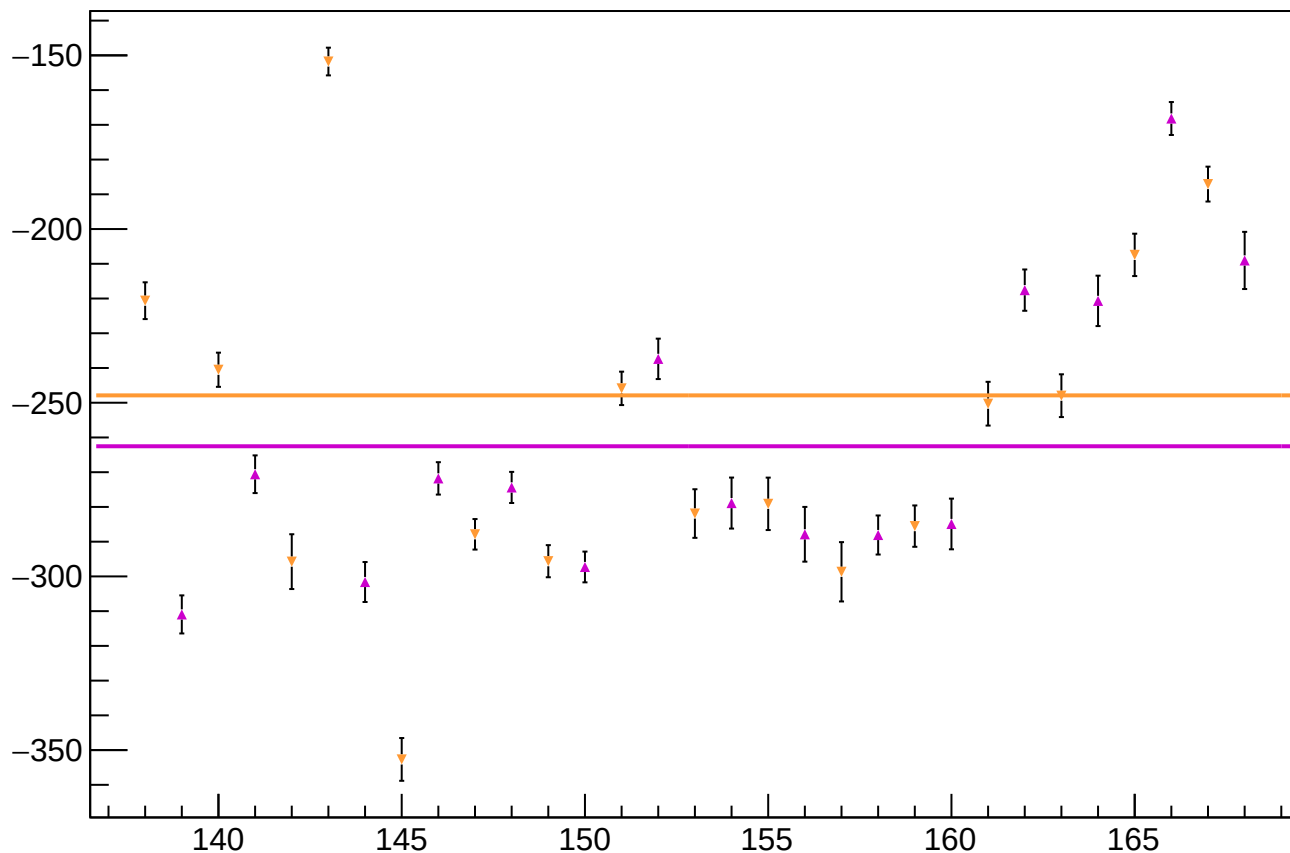
Right: 0.608 $\pm$ 0.026 χ^2/NDF : 723318.4/35

In: 7.831 $\pm$ 0.014 χ^2/NDF :404735.2/31

Out: 6.848 $\pm$ 0.014 χ^2/NDF :632222.3/34

All: 7.348 $\pm$ 0.010 χ^2/NDF : 1039371.3/66

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -247.884+/-1.384 χ^2/NDF :1432.3/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -262.532+/-1.466 χ^2/NDF :791.5/14

Left: -254.788+/-1.006 χ^2/NDF : 2276.5/30

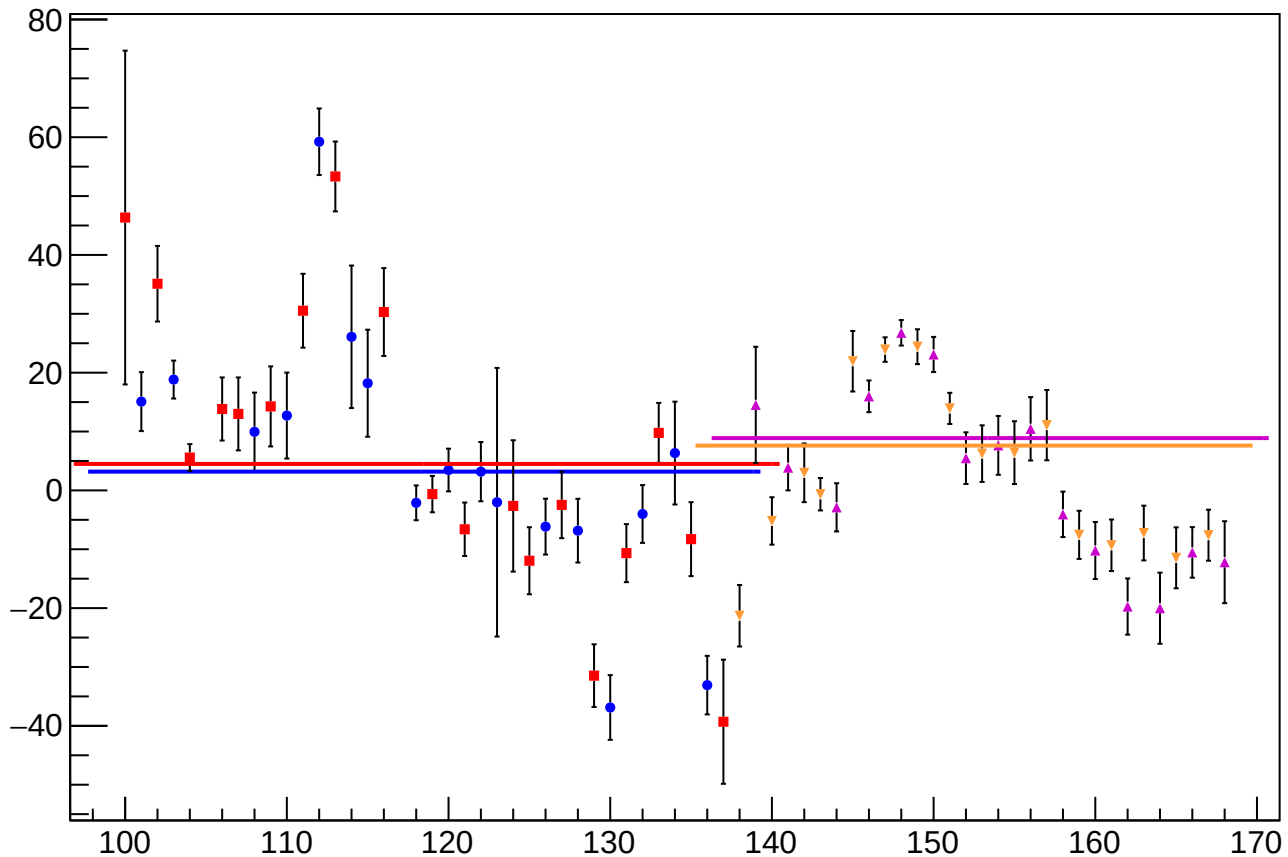
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -262.532+/-1.466 χ^2/NDF :791.5/14

Out: -247.884+/-1.384 χ^2/NDF :1432.3/15

All: -254.788+/-1.006 χ^2/NDF : 2276.5/30

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.188 ± 1.225 χ^2/NDF : 255.6/16

Left Out: 7.611 ± 0.932 χ^2/NDF : 222.9/15

Right Out: 4.497 ± 1.160 χ^2/NDF : 225.4/18

Left In: 8.886 ± 1.009 χ^2/NDF : 223.7/14

Left: 8.198 ± 0.685 χ^2/NDF : 447.5/30

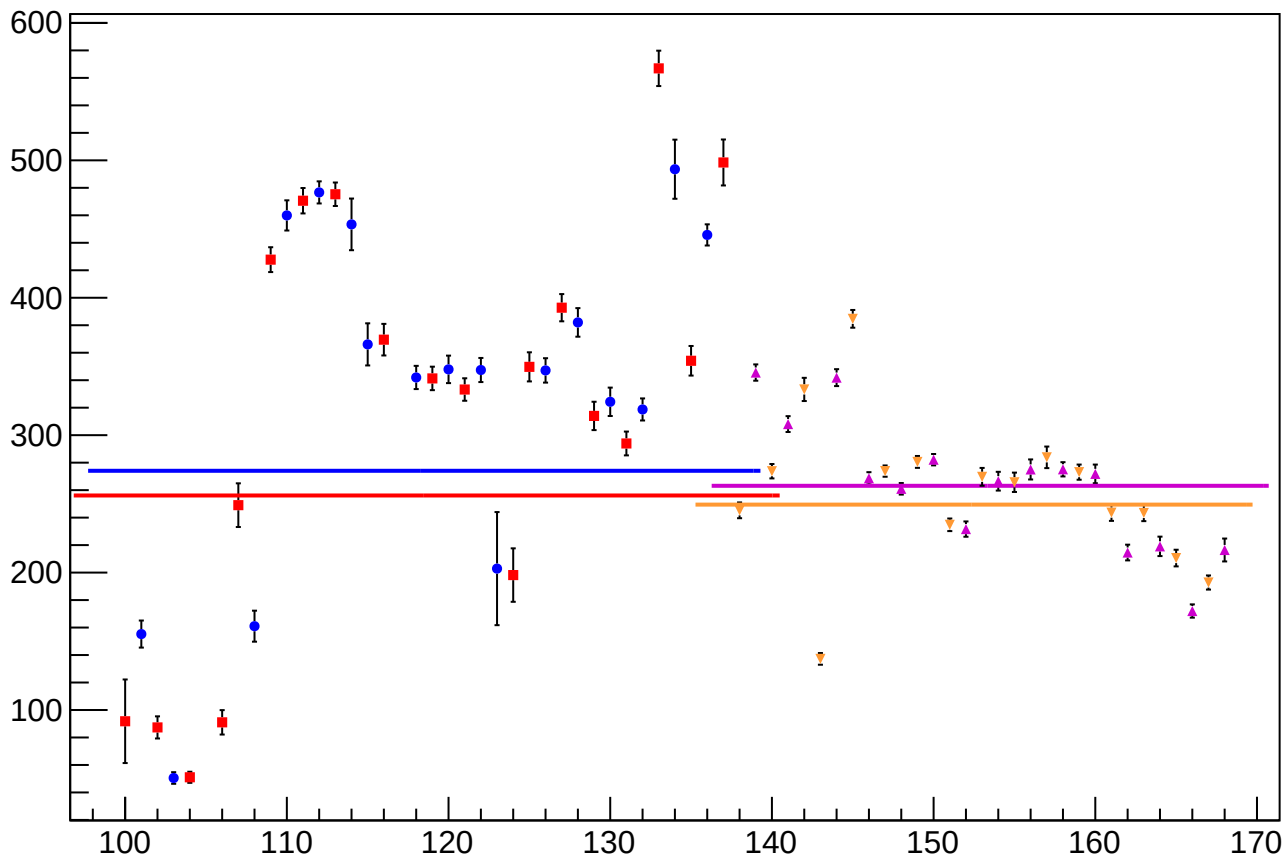
Right: 3.879 ± 0.842 χ^2/NDF : 481.7/35

In: 6.583 ± 0.779 χ^2/NDF : 492.3/31

Out: 6.389 ± 0.726 χ^2/NDF : 452.7/34

All: 6.479 ± 0.531 χ^2/NDF : 945.0/66

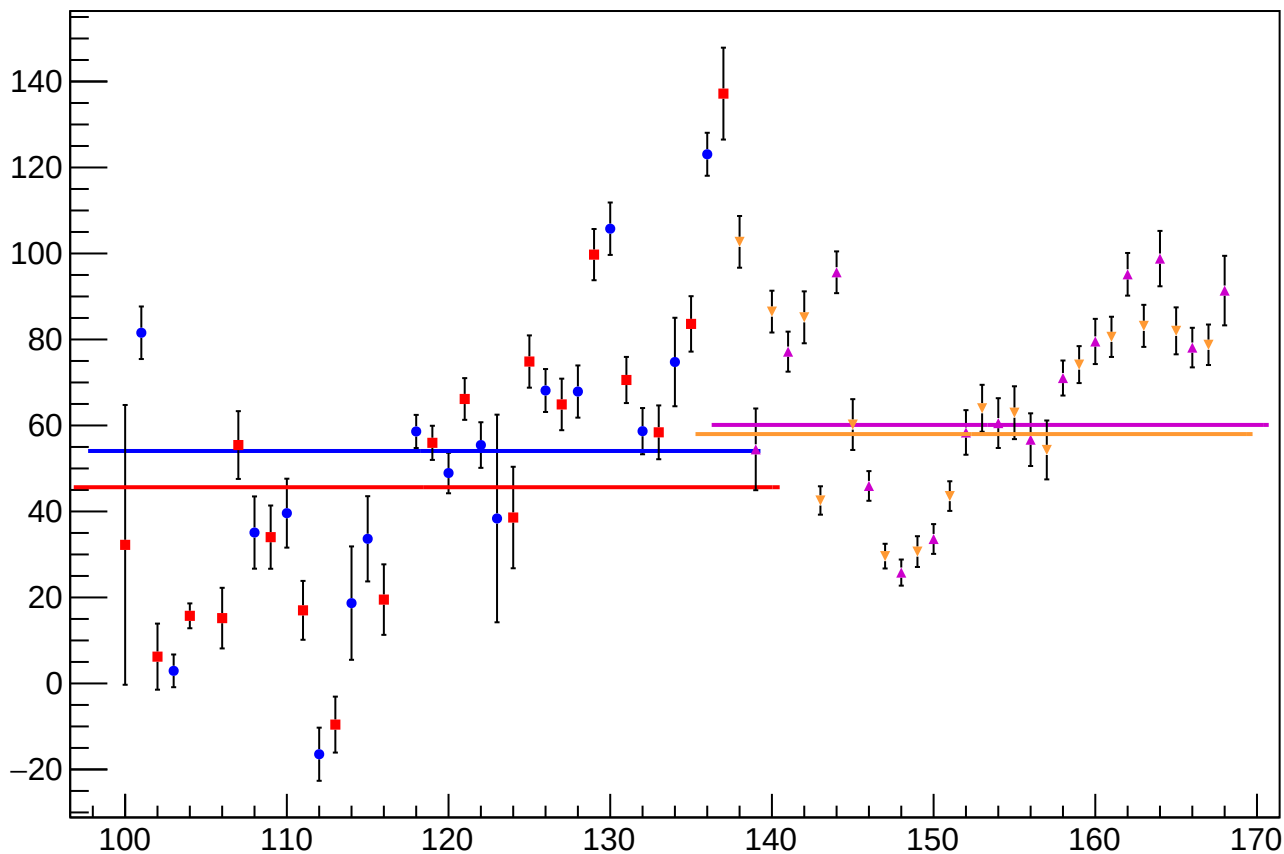
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 274.079 ± 2.191 $\chi^2/\text{NDF}: 5112.0/16$
 Left Out: 249.466 ± 1.368 $\chi^2/\text{NDF}: 1568.6/15$
 Right Out: 256.109 ± 2.080 $\chi^2/\text{NDF}: 6444.1/18$
 Left In: 263.156 ± 1.429 $\chi^2/\text{NDF}: 979.9/14$

Left: 256.009 ± 0.988 $\chi^2/\text{NDF}: 2596.4/30$
 Right: 264.628 ± 1.509 $\chi^2/\text{NDF}: 11591.4/35$
 In: 266.417 ± 1.197 $\chi^2/\text{NDF}: 6109.3/31$
 Out: 251.471 ± 1.143 $\chi^2/\text{NDF}: 8019.8/34$
 All: 258.597 ± 0.827 $\chi^2/\text{NDF}: 14210.7/66$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.065 $\pm$ 1.421 χ^2 /NDF: 634.4/16

Left Out: 57.996 $\pm$ 1.116 χ^2 /NDF:410.3/15

Right Out: 45.637 $\pm$ 1.359 χ^2 /NDF: 530.8/18

Left In: 60.127 $\pm$ 1.201 χ^2 /NDF:408.1/14

Left: 58.983 $\pm$ 0.818 χ^2 /NDF: 820.1/30

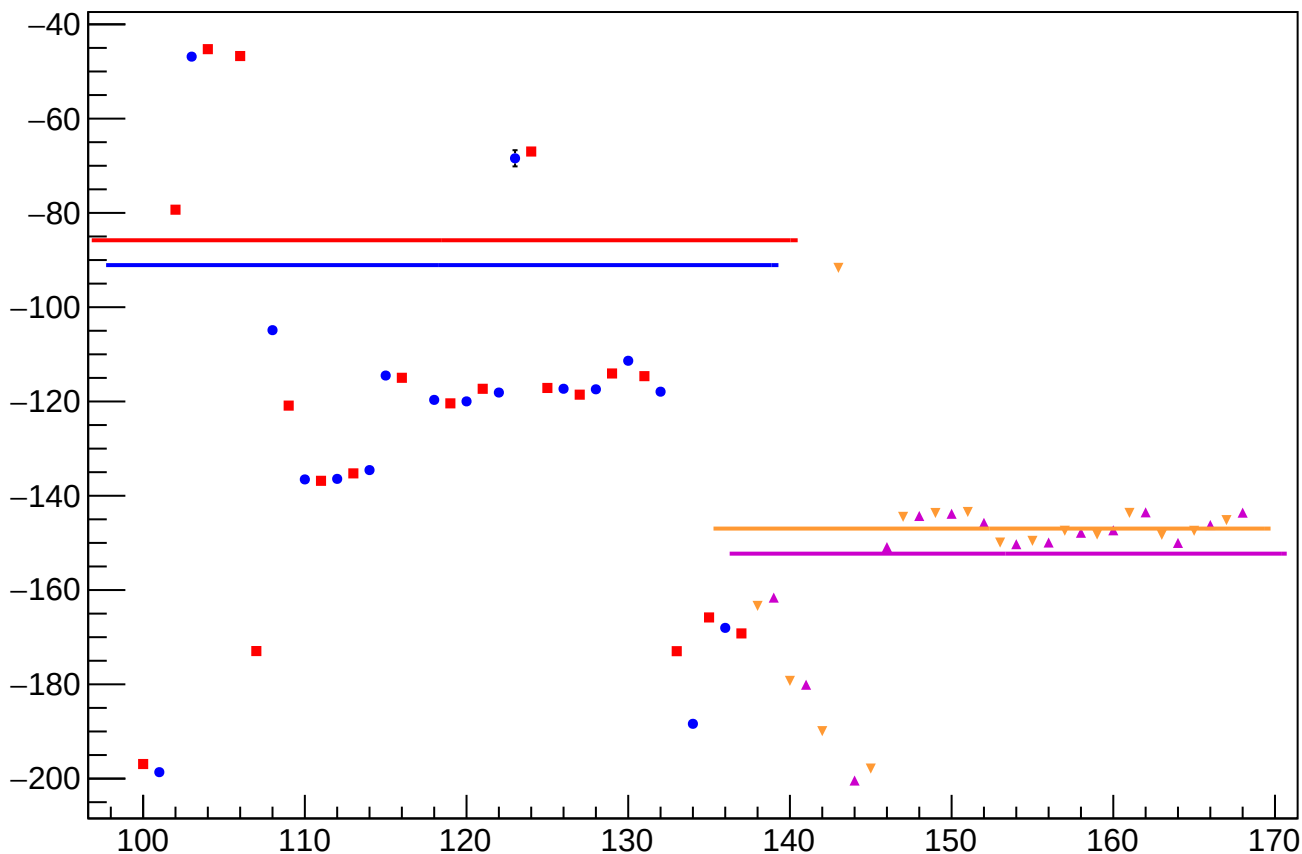
Right: 49.665 $\pm$ 0.982 χ^2 /NDF: 1183.6/35

In: 57.599 $\pm$ 0.917 χ^2 /NDF:1053.1/31

Out: 53.019 $\pm$ 0.862 χ^2 /NDF:990.5/34

All: 55.168 $\pm$ 0.628 χ^2 /NDF: 2056.8/66

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -91.074 ± 0.068 $\chi^2/\text{NDF}: 534647.5/16$

Left Out: -146.961 ± 0.055 $\chi^2/\text{NDF}: 187152.7/15$

Right Out: -85.803 ± 0.065 $\chi^2/\text{NDF}: 495895.1/18$

Left In: -152.281 ± 0.057 $\chi^2/\text{NDF}: 57492.3/14$

Left: -149.515 ± 0.040 $\chi^2/\text{NDF}: 249114.8/30$

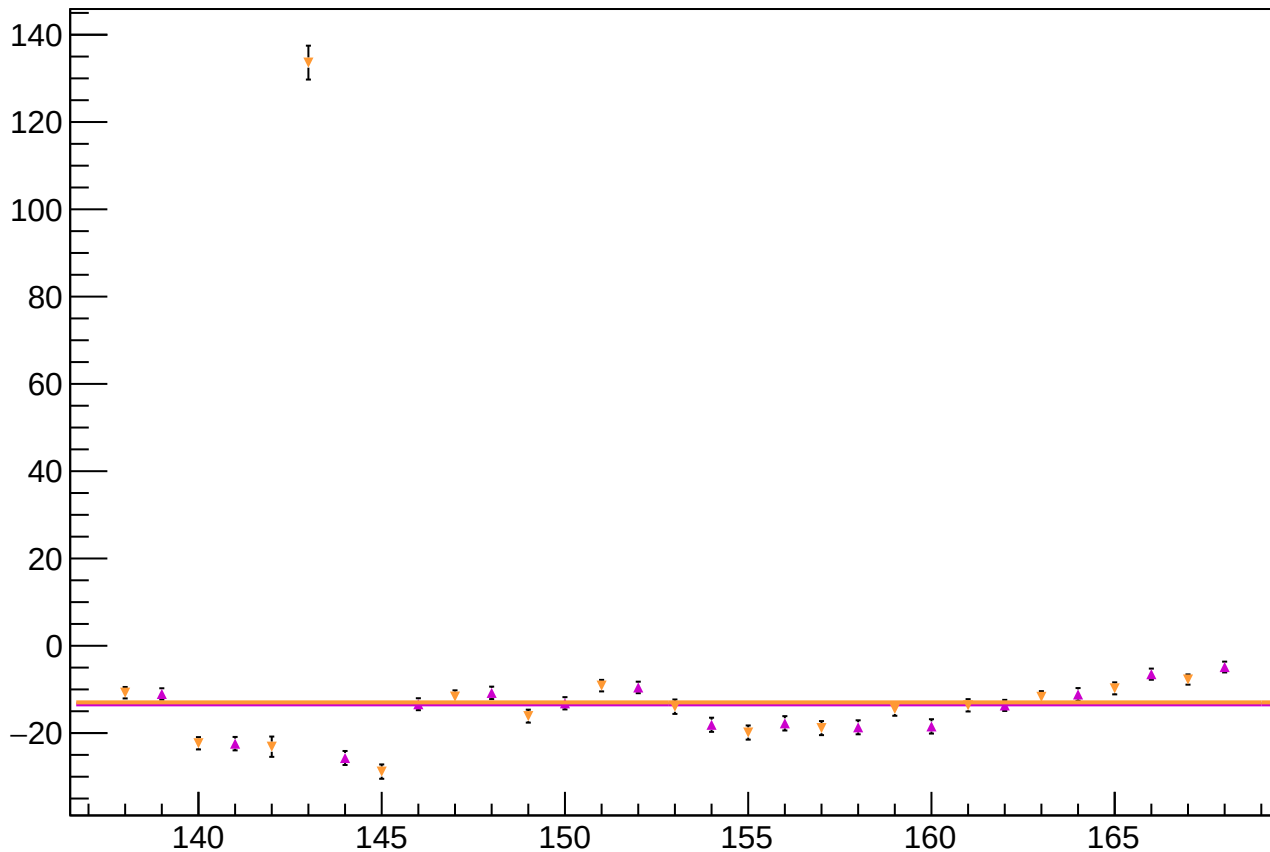
Right: -88.339 ± 0.047 $\chi^2/\text{NDF}: 1033703.0/35$

In: -126.621 ± 0.044 $\chi^2/\text{NDF}: 1069253.5/31$

Out: -121.387 ± 0.042 $\chi^2/\text{NDF}: 1197486.4/34$

All: -123.903 ± 0.030 $\chi^2/\text{NDF}: 2274182.5/66$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -12.966+/-0.376 χ^2/NDF :1658.2/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -13.424+/-0.368 χ^2/NDF :223.2/14

Left: -13.199+/-0.263 χ^2/NDF : 1882.2/30

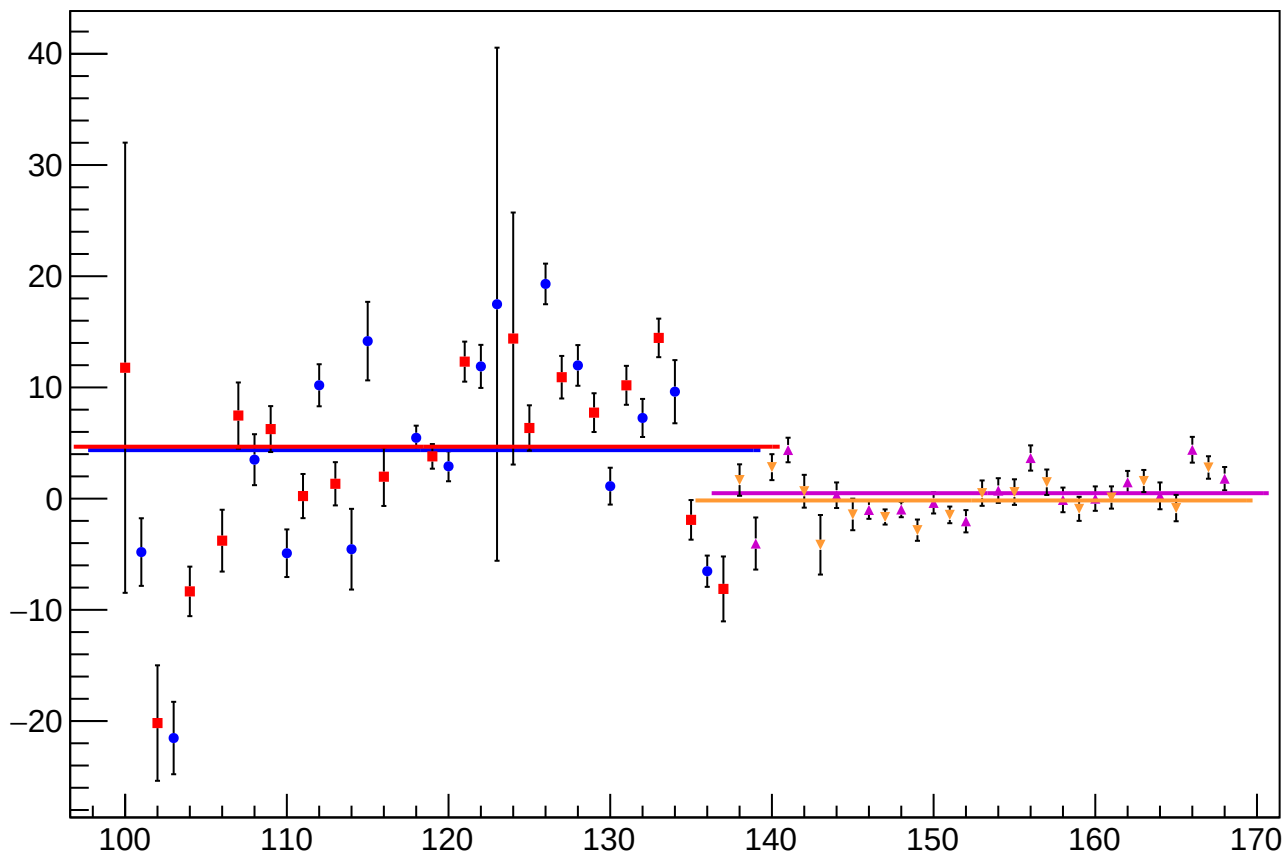
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -13.424+/-0.368 χ^2/NDF :223.2/14

Out: -12.966+/-0.376 χ^2/NDF :1658.2/15

All: -13.199+/-0.263 χ^2/NDF : 1882.2/30

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.361+/-0.464 χ^2/NDF : 286.5/16

Left Out: -0.163+/-0.265 χ^2/NDF : 42.5/15

Right Out: 4.670+/-0.474 χ^2/NDF : 185.4/18

Left In: 0.489+/-0.267 χ^2/NDF : 53.5/14

Left: 0.161+/-0.188 χ^2/NDF : 99.0/30

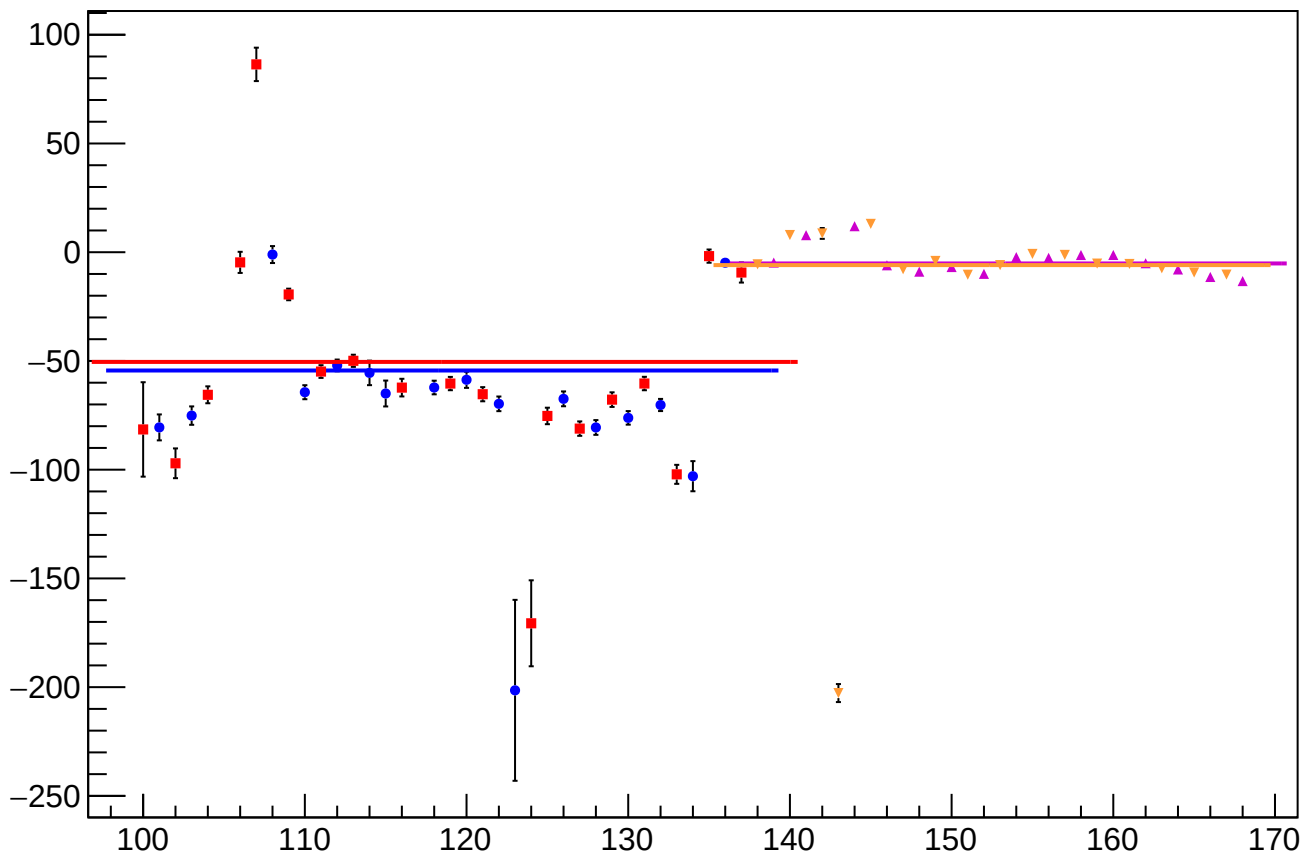
Right: 4.512+/-0.332 χ^2/NDF : 472.1/35

In: 1.452+/-0.232 χ^2/NDF : 392.2/31

Out: 0.989+/-0.232 χ^2/NDF : 307.0/34

All: 1.221+/-0.164 χ^2/NDF : 701.2/66

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.392 ± 0.863 $\chi^2/\text{NDF}: 1013.4/16$

Left Out: -5.923 ± 0.368 $\chi^2/\text{NDF}: 2556.7/15$

Right Out: -50.441 ± 0.857 $\chi^2/\text{NDF}: 1324.7/18$

Left In: -5.166 ± 0.360 $\chi^2/\text{NDF}: 275.2/14$

Left: -5.536 ± 0.257 $\chi^2/\text{NDF}: 2834.1/30$

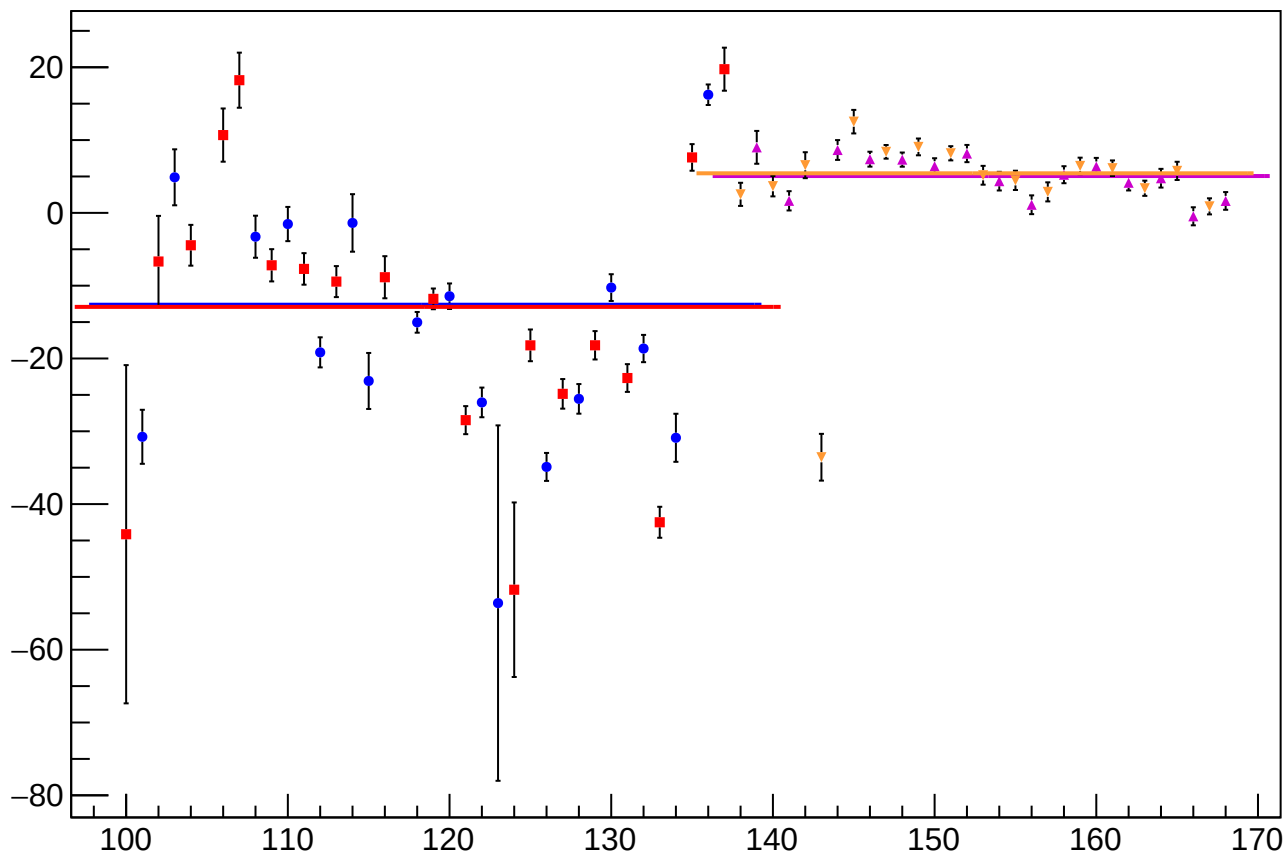
Right: -52.405 ± 0.608 $\chi^2/\text{NDF}: 2348.7/35$

In: -12.474 ± 0.332 $\chi^2/\text{NDF}: 4062.3/31$

Out: -12.847 ± 0.338 $\chi^2/\text{NDF}: 6158.1/34$

All: -12.657 ± 0.237 $\chi^2/\text{NDF}: 10221.0/66$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.616 ± 0.530 χ^2/NDF : 788.2/16

Left Out: 5.436 ± 0.310 χ^2/NDF : 226.1/15

Right Out: -12.912 ± 0.538 χ^2/NDF : 730.2/18

Left In: 5.060 ± 0.311 χ^2/NDF : 74.8/14

Left: 5.249 ± 0.220 χ^2/NDF : 301.7/30

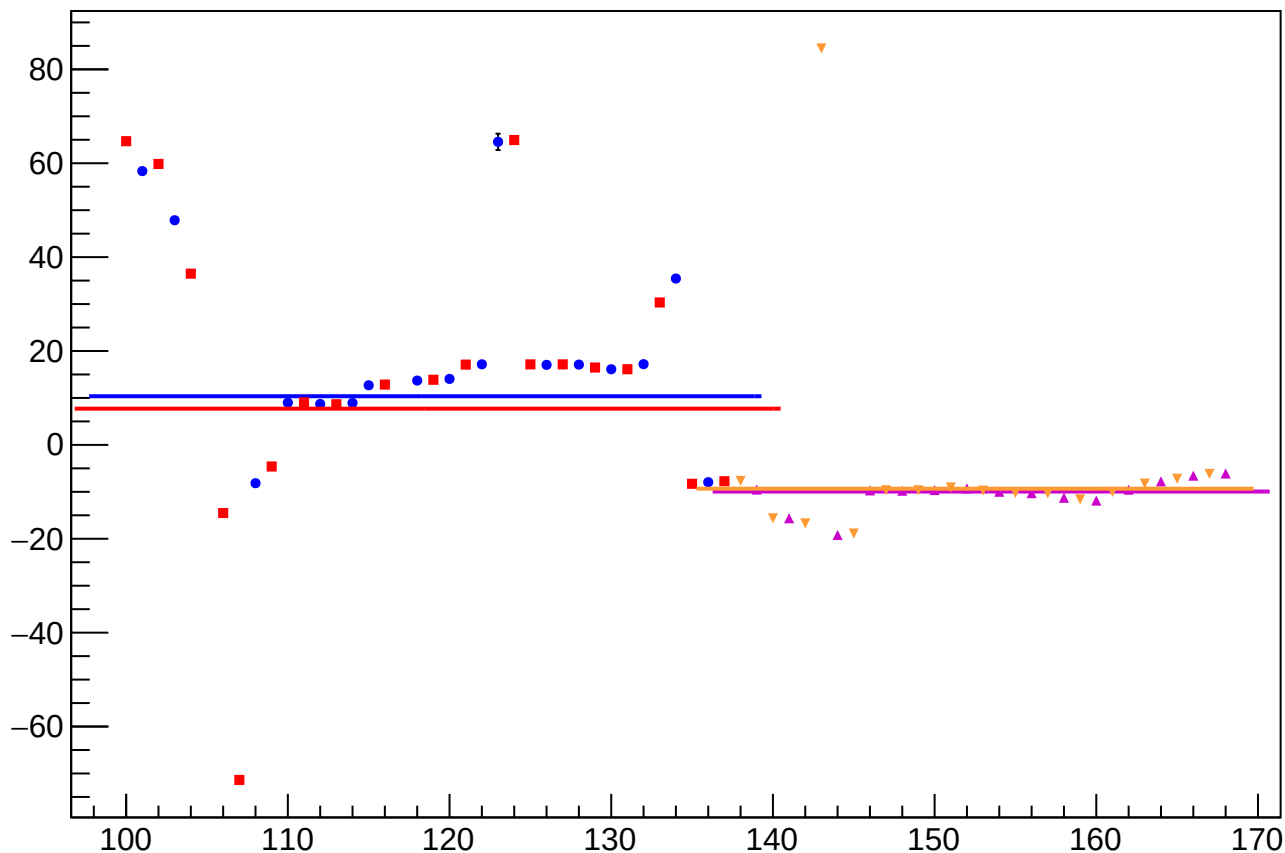
Right: -12.762 ± 0.378 χ^2/NDF : 1518.6/35

In: 0.529 ± 0.268 χ^2/NDF : 1689.6/31

Out: 0.870 ± 0.268 χ^2/NDF : 1829.4/34

All: 0.699 ± 0.190 χ^2/NDF : 3519.8/66

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.366+/-0.031 χ^2/NDF : 381003.5/16

Left Out: -9.333+/-0.014 χ^2/NDF : 363489.3/15

Right Out: 7.719+/-0.031 χ^2/NDF : 545085.7/18

Left In: -9.936+/-0.014 χ^2/NDF : 36228.4/14

Left: -9.641+/-0.010 χ^2/NDF : 400604.2/30

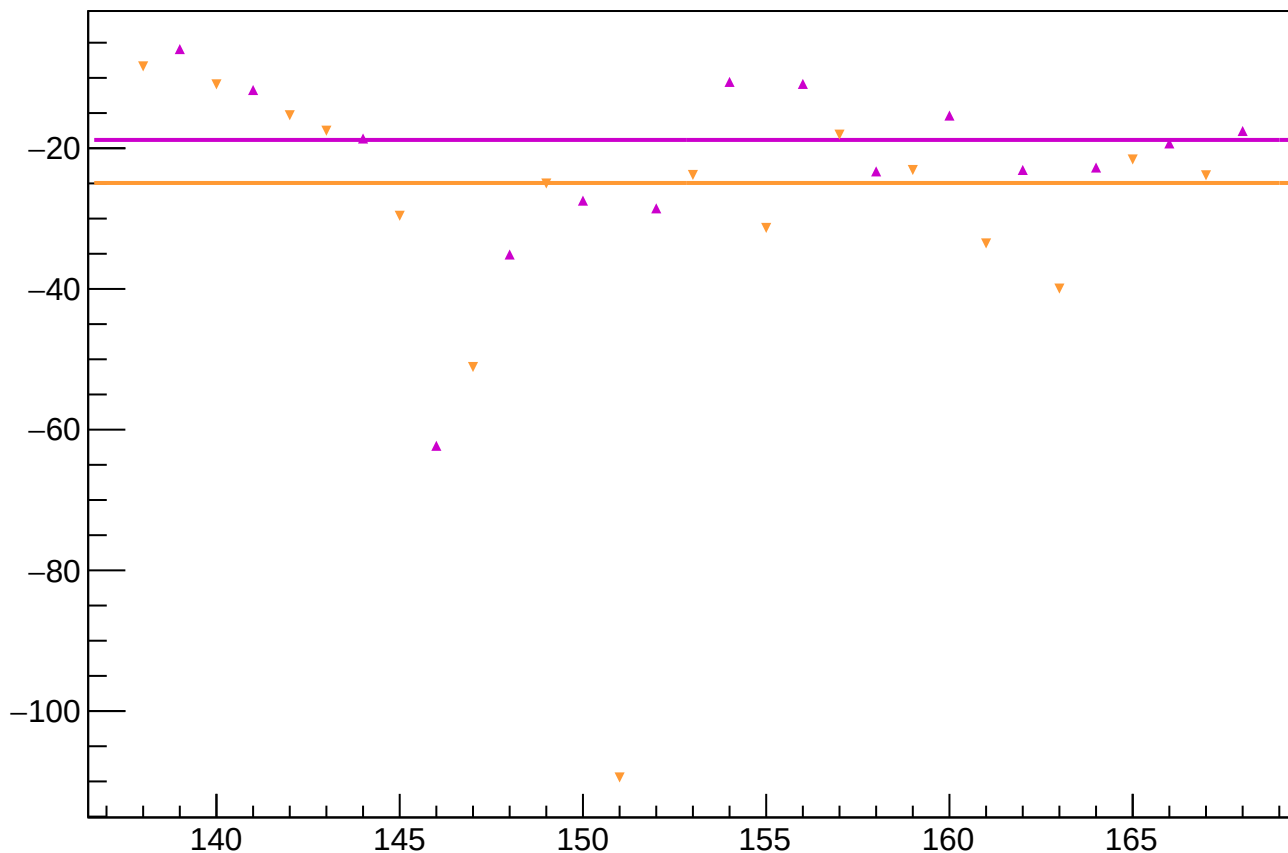
Right: 9.073+/-0.022 χ^2/NDF : 929756.2/35

In: -6.345+/-0.013 χ^2/NDF : 781052.3/31

Out: -6.325+/-0.013 χ^2/NDF : 1153728.0/34

All: -6.335+/-0.009 χ^2/NDF : 1934781.4/66

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -24.937+/-0.062 χ^2/NDF : 56757.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -18.819+/-0.052 χ^2/NDF : 37929.8/14

Left: -21.372+/-0.040 χ^2/NDF : 100445.0/30

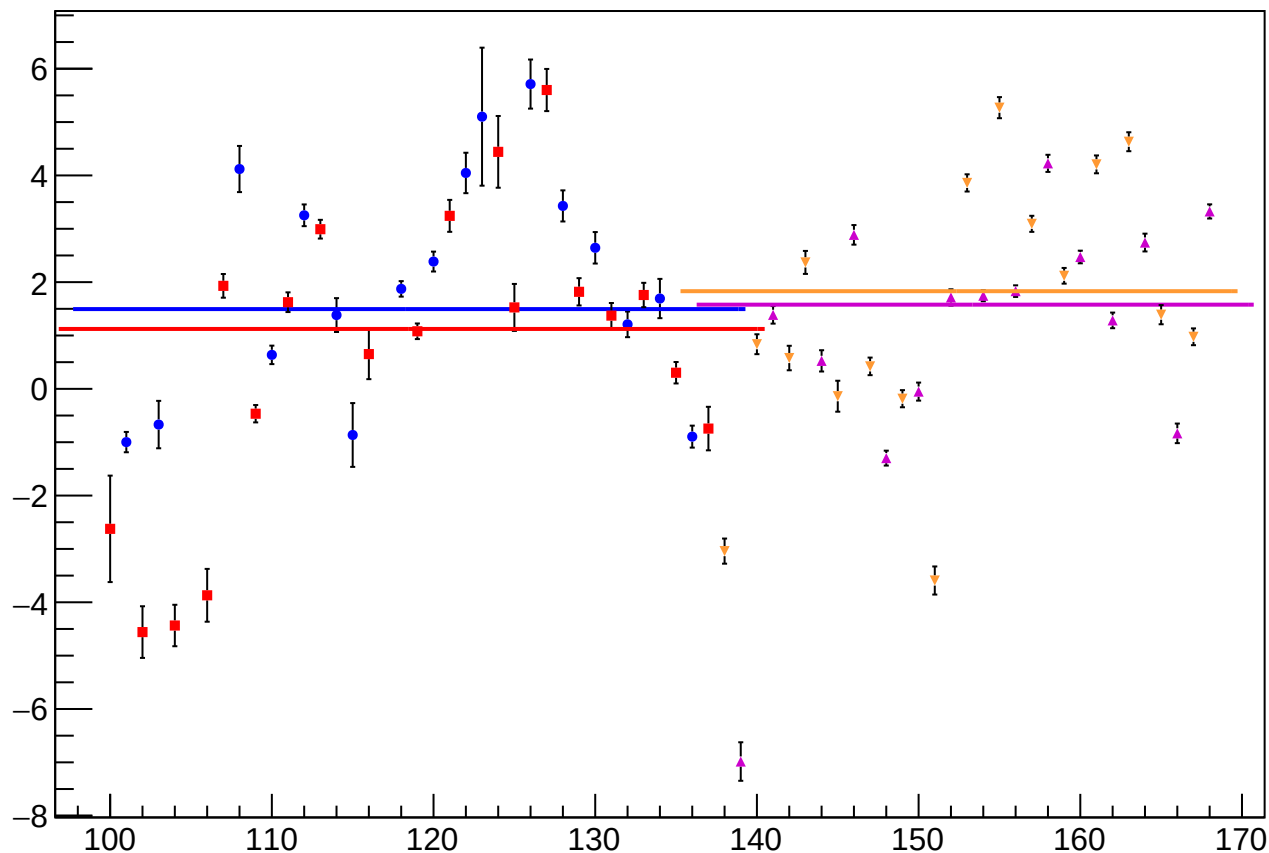
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.819+/-0.052 χ^2/NDF : 37929.8/14

Out: -24.937+/-0.062 χ^2/NDF : 56757.6/15

All: -21.372+/-0.040 χ^2/NDF : 100445.0/30

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.495 $\pm$ 0.061 χ^2 /NDF: 708.8/16

Left Out: 1.830 $\pm$ 0.046 χ^2 /NDF:2214.6/15

Right Out: 1.123 $\pm$ 0.058 χ^2 /NDF: 946.5/18

Left In: 1.578 $\pm$ 0.038 χ^2 /NDF:1896.3/14

Left: 1.682 $\pm$ 0.029 χ^2 /NDF: 4128.9/30

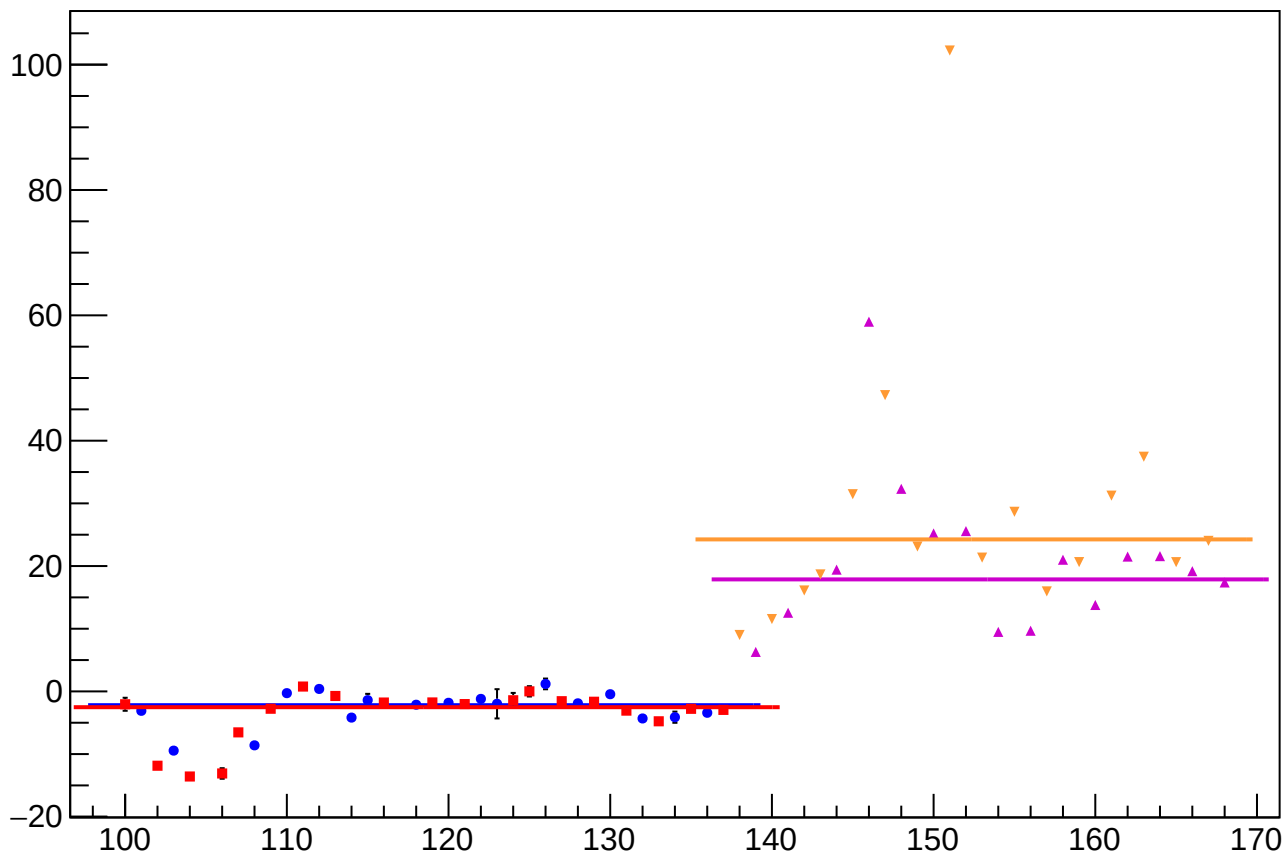
Right: 1.300 $\pm$ 0.042 χ^2 /NDF: 1674.8/35

In: 1.555 $\pm$ 0.032 χ^2 /NDF:2606.4/31

Out: 1.562 $\pm$ 0.036 χ^2 /NDF:3252.8/34

All: 1.558 $\pm$ 0.024 χ^2 /NDF: 5859.2/66

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.200 ± 0.111 χ^2/NDF : 461.0/16

Left Out: 24.251 ± 0.060 χ^2/NDF : 50832.0/15

Right Out: -2.520 ± 0.099 χ^2/NDF : 903.3/18

Left In: 17.870 ± 0.050 χ^2/NDF : 35762.6/14

Left: 20.489 ± 0.039 χ^2/NDF : 93153.6/30

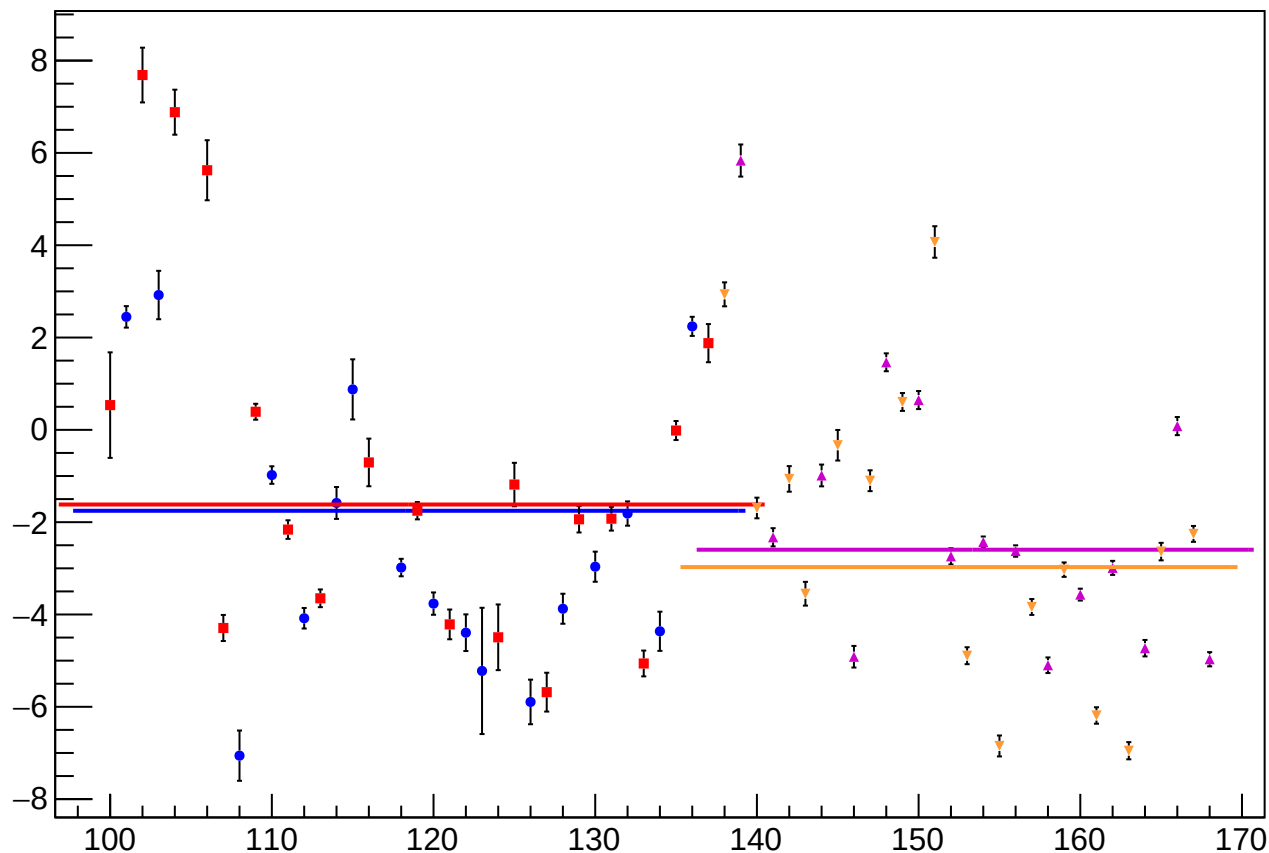
Right: -2.378 ± 0.074 χ^2/NDF : 1368.9/35

In: 14.409 ± 0.046 χ^2/NDF : 63481.2/31

Out: 16.967 ± 0.052 χ^2/NDF : 105016.0/34

All: 15.539 ± 0.034 χ^2/NDF : 169868.2/66

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.753 ± 0.070 χ^2/NDF : 1345.0/16

Left Out: -2.973 ± 0.052 χ^2/NDF : 2730.5/15

Right Out: -1.617 ± 0.066 χ^2/NDF : 1487.5/18

Left In: -2.597 ± 0.043 χ^2/NDF : 2299.3/14

Left: -2.752 ± 0.033 χ^2/NDF : 5060.8/30

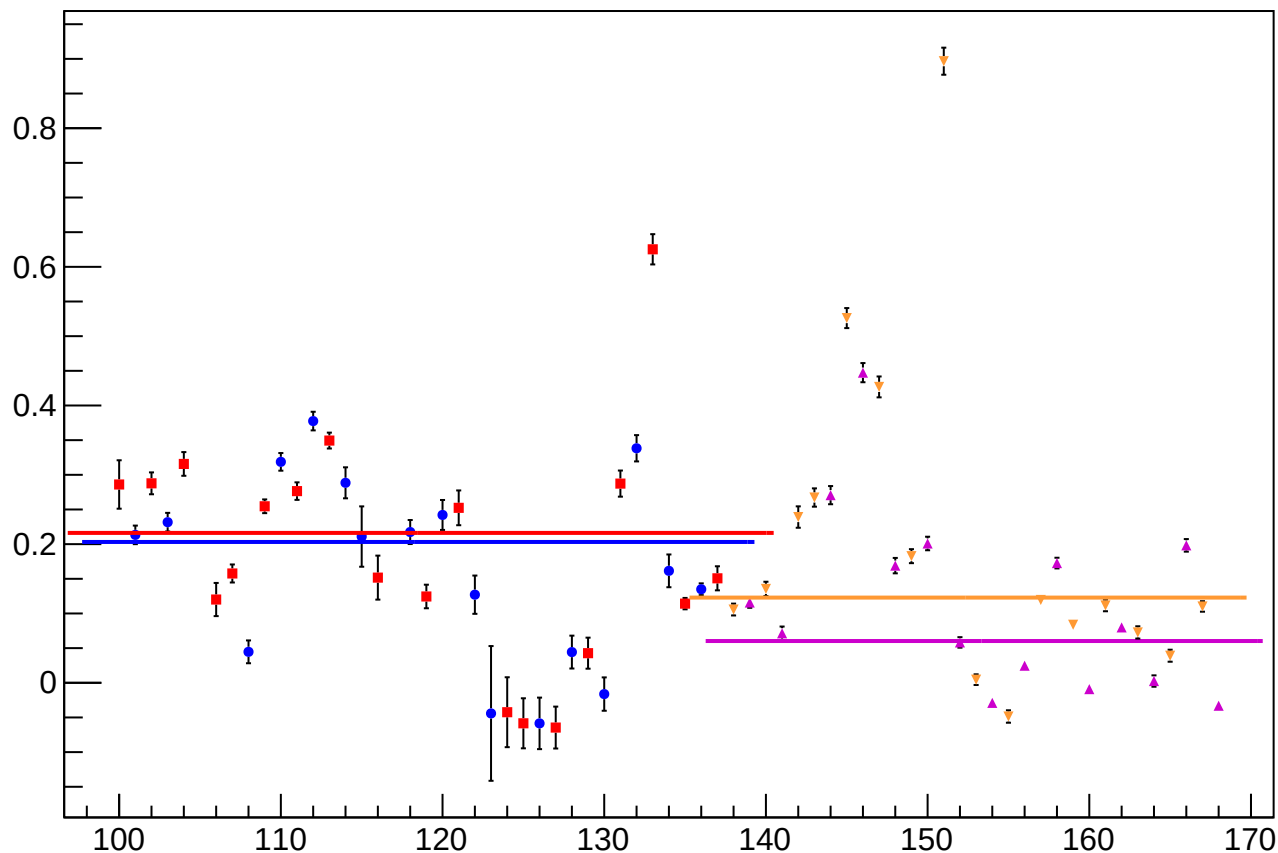
Right: -1.681 ± 0.048 χ^2/NDF : 2834.6/35

In: -2.363 ± 0.037 χ^2/NDF : 3748.5/31

Out: -2.453 ± 0.041 χ^2/NDF : 4480.5/34

All: -2.404 ± 0.027 χ^2/NDF : 8231.7/66

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 ± 0.004 χ^2/NDF : 677.2/16

Left Out: 0.123 ± 0.002 χ^2/NDF : 3734.8/15

Right Out: 0.216 ± 0.004 χ^2/NDF : 1067.3/18

Left In: 0.060 ± 0.002 χ^2/NDF : 2660.3/14

Left: 0.085 ± 0.001 χ^2/NDF : 6830.8/30

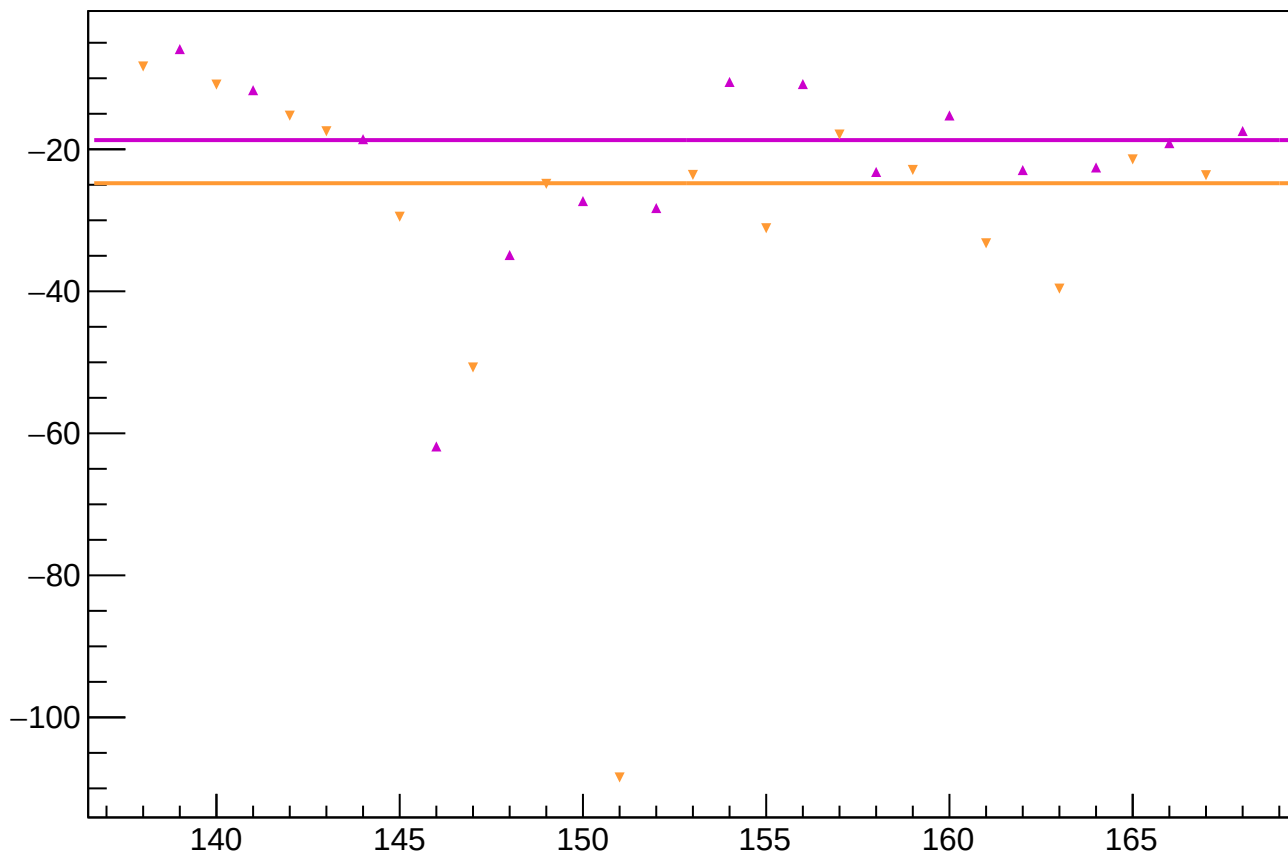
Right: 0.210 ± 0.003 χ^2/NDF : 1750.0/35

In: 0.085 ± 0.002 χ^2/NDF : 4326.3/31

Out: 0.150 ± 0.002 χ^2/NDF : 5258.6/34

All: 0.113 ± 0.001 χ^2/NDF : 10193.4/66

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -24.780+/-0.061 χ^2/NDF : 56575.8/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -18.709+/-0.052 χ^2/NDF : 37843.5/14

Left: -21.242+/-0.040 χ^2/NDF : 100161.4/30

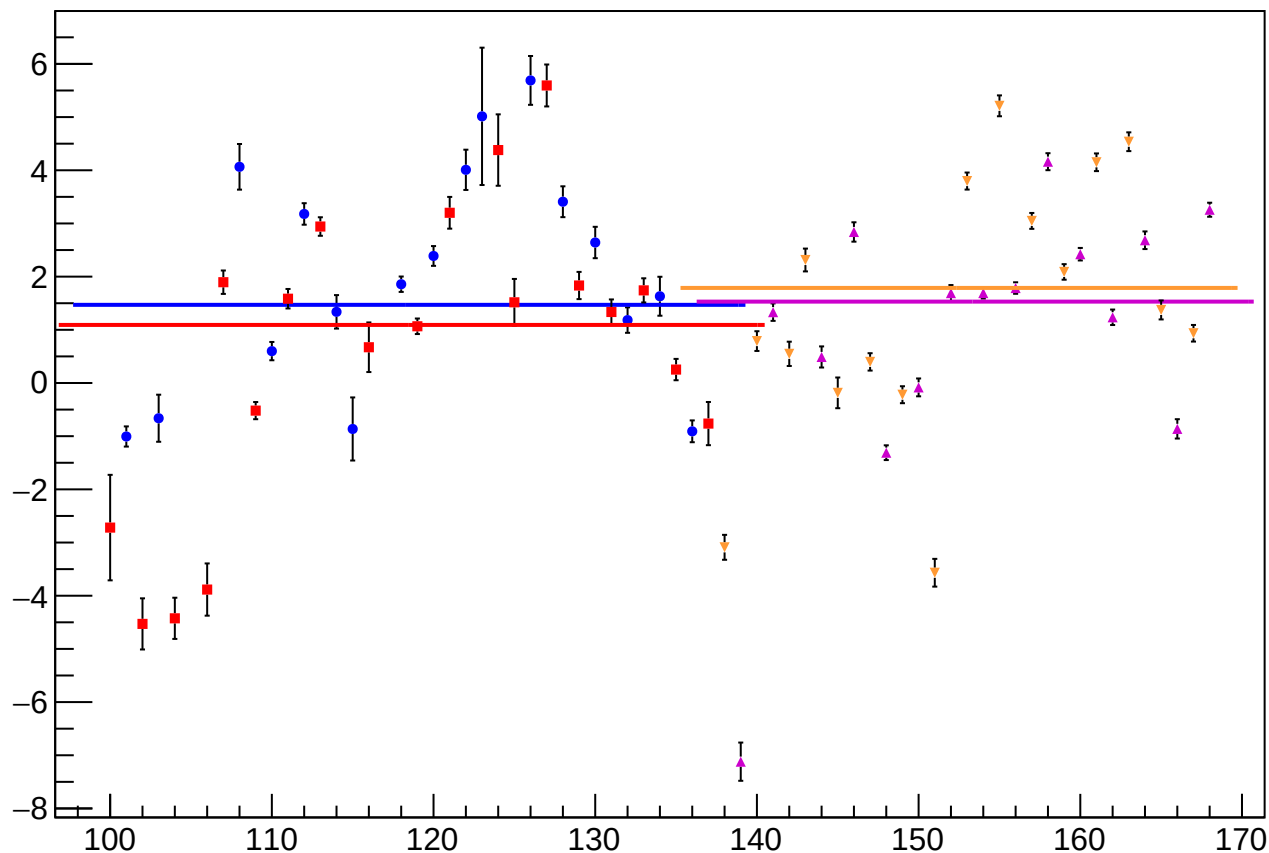
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.709+/-0.052 χ^2/NDF : 37843.5/14

Out: -24.780+/-0.061 χ^2/NDF : 56575.8/15

All: -21.242+/-0.040 χ^2/NDF : 100161.4/30

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.470 ± 0.061 χ^2/NDF : 707.9/16

Left Out: 1.788 ± 0.045 χ^2/NDF : 2213.7/15

Right Out: 1.092 ± 0.058 χ^2/NDF : 952.1/18

Left In: 1.530 ± 0.038 χ^2/NDF : 1906.7/14

Left: 1.637 ± 0.029 χ^2/NDF : 4139.4/30

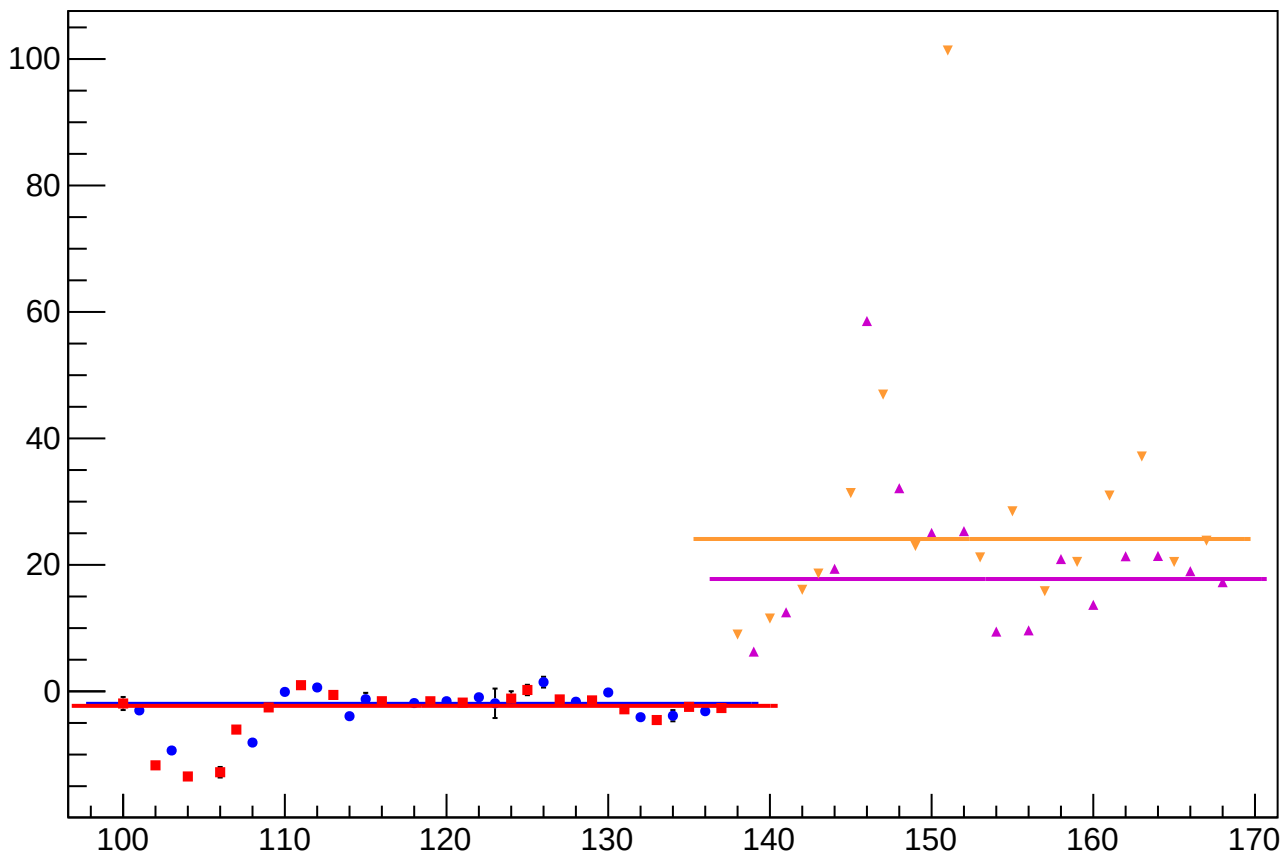
Right: 1.272 ± 0.042 χ^2/NDF : 1680.2/35

In: 1.513 ± 0.032 χ^2/NDF : 2615.3/31

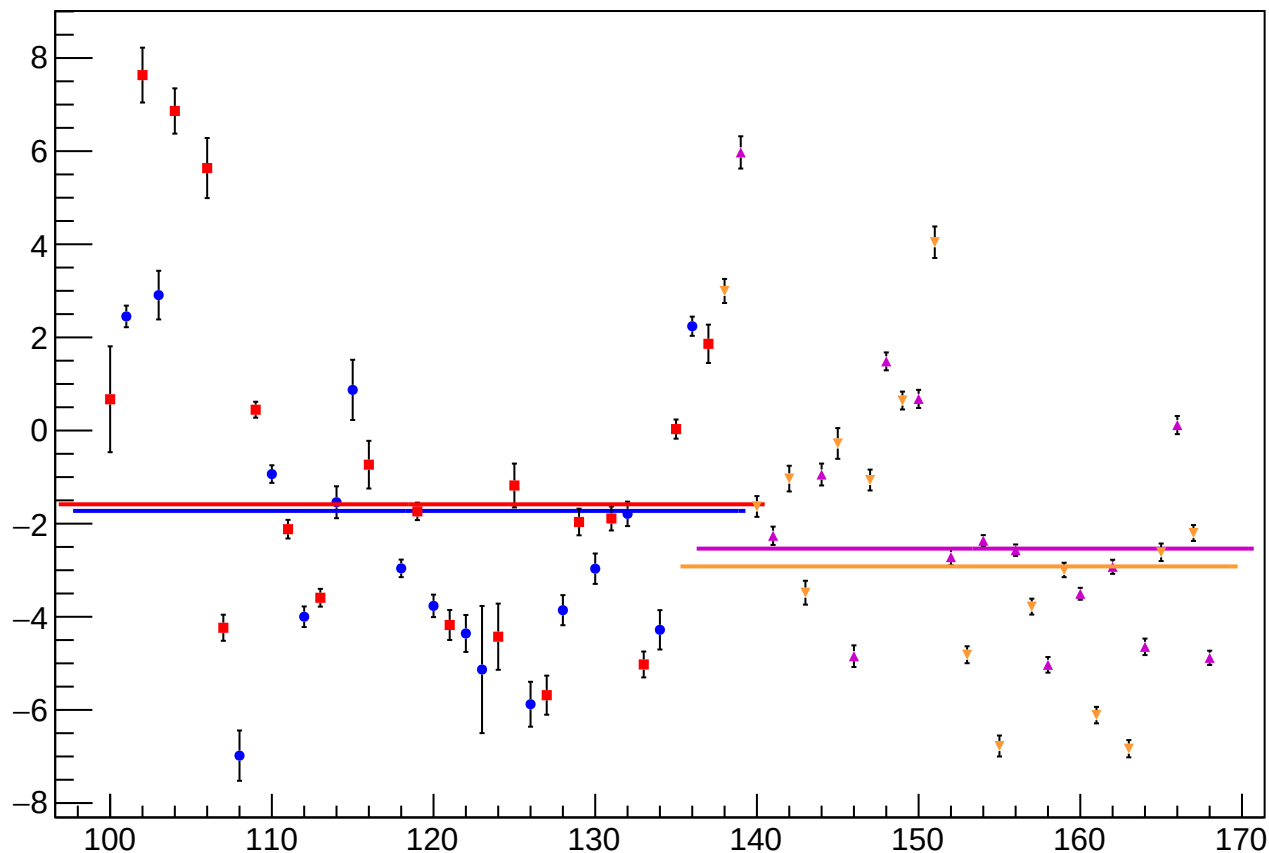
Out: 1.524 ± 0.036 χ^2/NDF : 3255.4/34

All: 1.518 ± 0.024 χ^2/NDF : 5870.8/66

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.726 ± 0.070 χ^2/NDF : 1341.5/16

Left Out: -2.918 ± 0.051 χ^2/NDF : 2728.2/15

Right Out: -1.584 ± 0.065 χ^2/NDF : 1492.8/18

Left In: -2.536 ± 0.043 χ^2/NDF : 2310.4/14

Left: -2.694 ± 0.033 χ^2/NDF : 5070.9/30

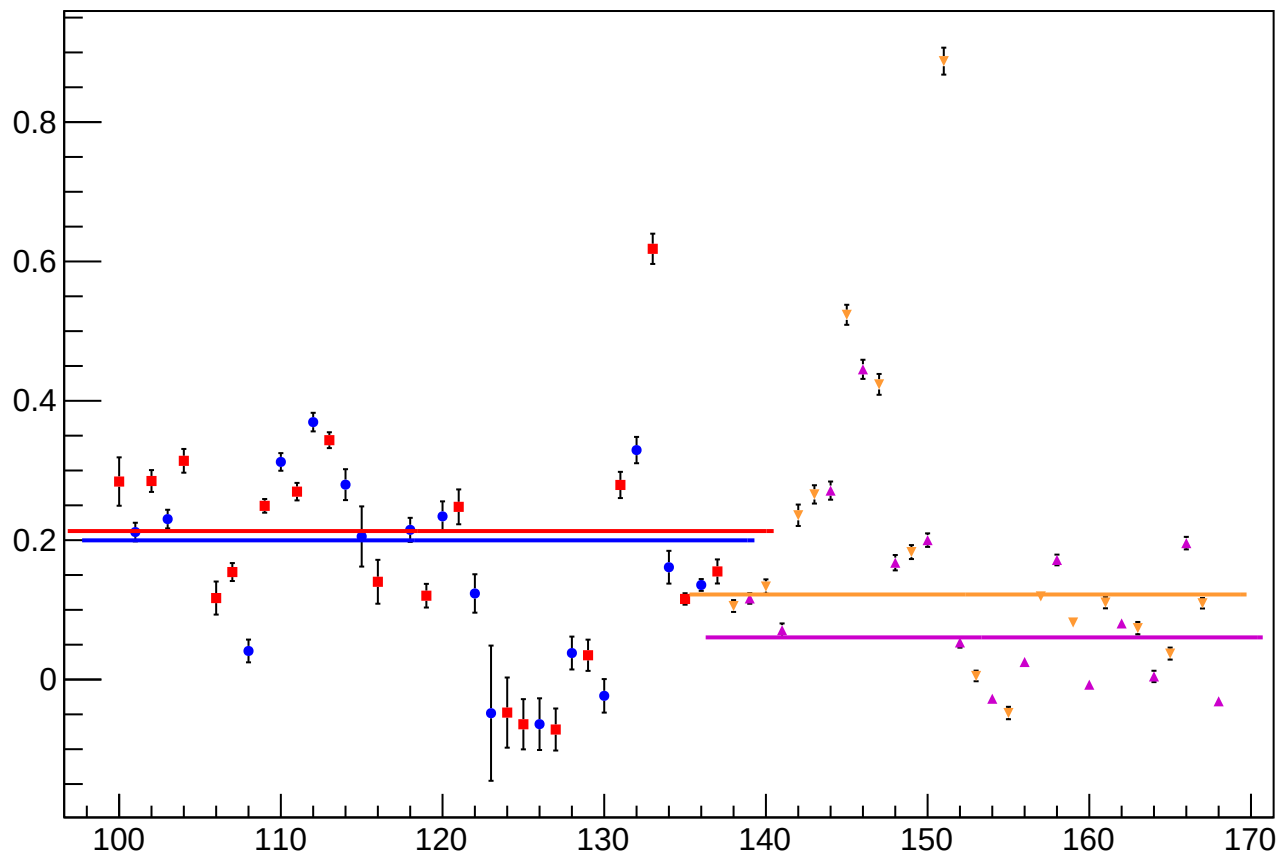
Right: -1.650 ± 0.048 χ^2/NDF : 2836.5/35

In: -2.312 ± 0.037 χ^2/NDF : 3748.9/31

Out: -2.408 ± 0.040 χ^2/NDF : 4477.8/34

All: -2.356 ± 0.027 χ^2/NDF : 8229.8/66

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.200 ± 0.004 $\chi^2/\text{NDF}: 662.5/16$

Left Out: 0.122 ± 0.002 $\chi^2/\text{NDF}: 3729.7/15$

Right Out: 0.213 ± 0.004 $\chi^2/\text{NDF}: 1050.9/18$

Left In: 0.060 ± 0.002 $\chi^2/\text{NDF}: 2641.0/14$

Left: 0.085 ± 0.001 $\chi^2/\text{NDF}: 6797.1/30$

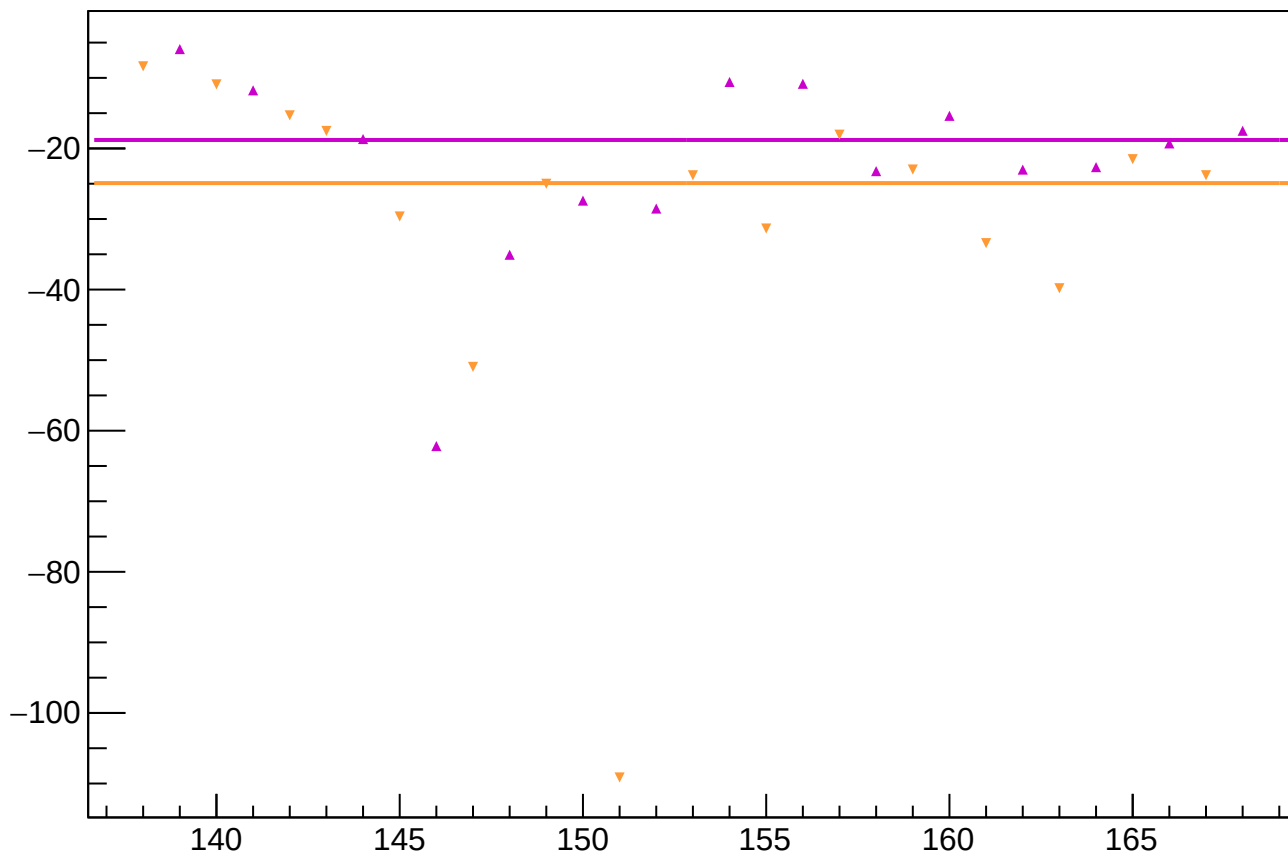
Right: 0.207 ± 0.003 $\chi^2/\text{NDF}: 1719.2/35$

In: 0.085 ± 0.002 $\chi^2/\text{NDF}: 4252.5/31$

Out: 0.148 ± 0.002 $\chi^2/\text{NDF}: 5219.8/34$

All: 0.112 ± 0.001 $\chi^2/\text{NDF}: 10067.4/66$

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -24.911 $\pm$ 0.061 χ^2 /NDF:56702.2/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -18.800 $\pm$ 0.052 χ^2 /NDF:37903.9/14

Left: -21.349 $\pm$ 0.040 χ^2 /NDF: 100377.4/30

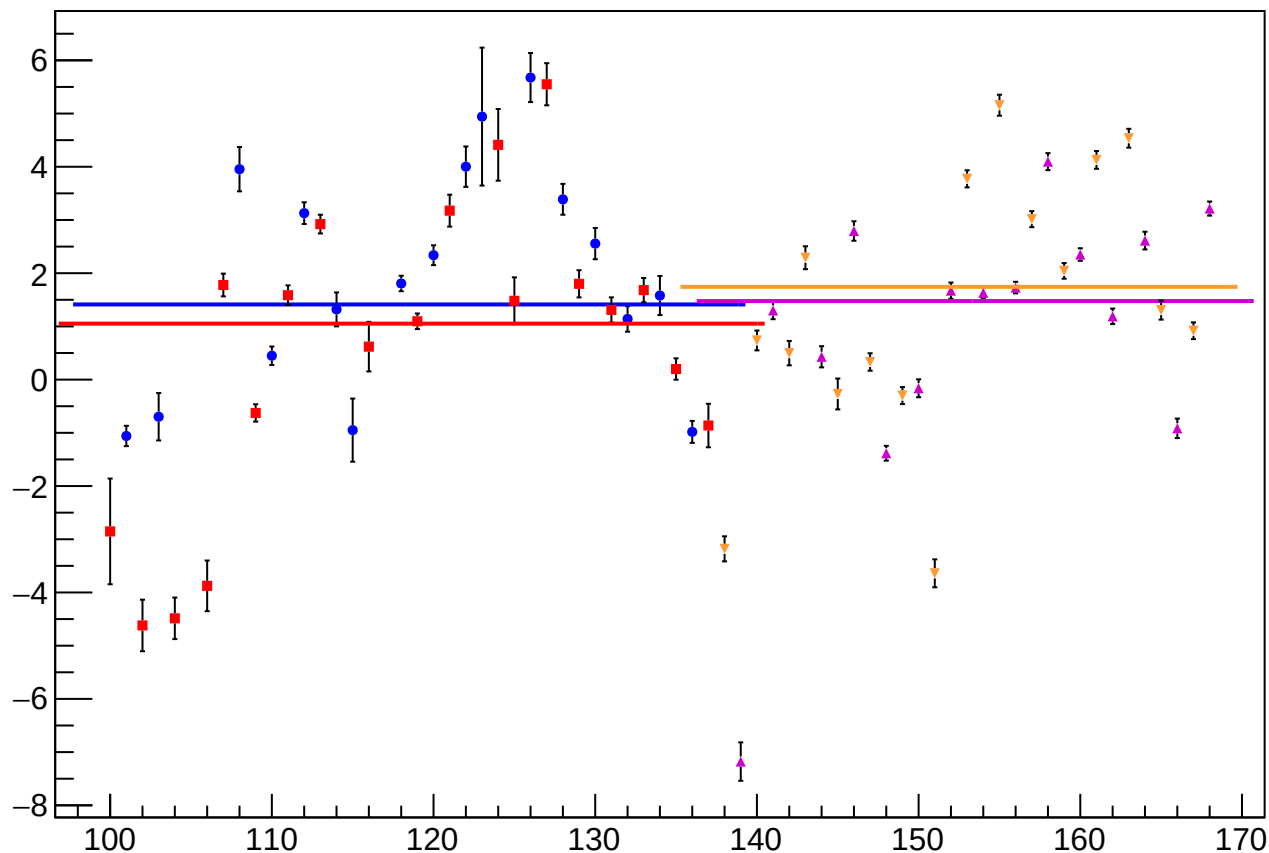
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -18.800 $\pm$ 0.052 χ^2 /NDF:37903.9/14

Out: -24.911 $\pm$ 0.061 χ^2 /NDF:56702.2/15

All: -21.349 $\pm$ 0.040 χ^2 /NDF: 100377.4/30

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.413 ± 0.061 $\chi^2/\text{NDF}: 713.9/16$

Left Out: 1.743 ± 0.045 $\chi^2/\text{NDF}: 2230.4/15$

Right Out: 1.052 ± 0.058 $\chi^2/\text{NDF}: 963.3/18$

Left In: 1.476 ± 0.038 $\chi^2/\text{NDF}: 1897.3/14$

Left: 1.587 ± 0.029 $\chi^2/\text{NDF}: 4148.0/30$

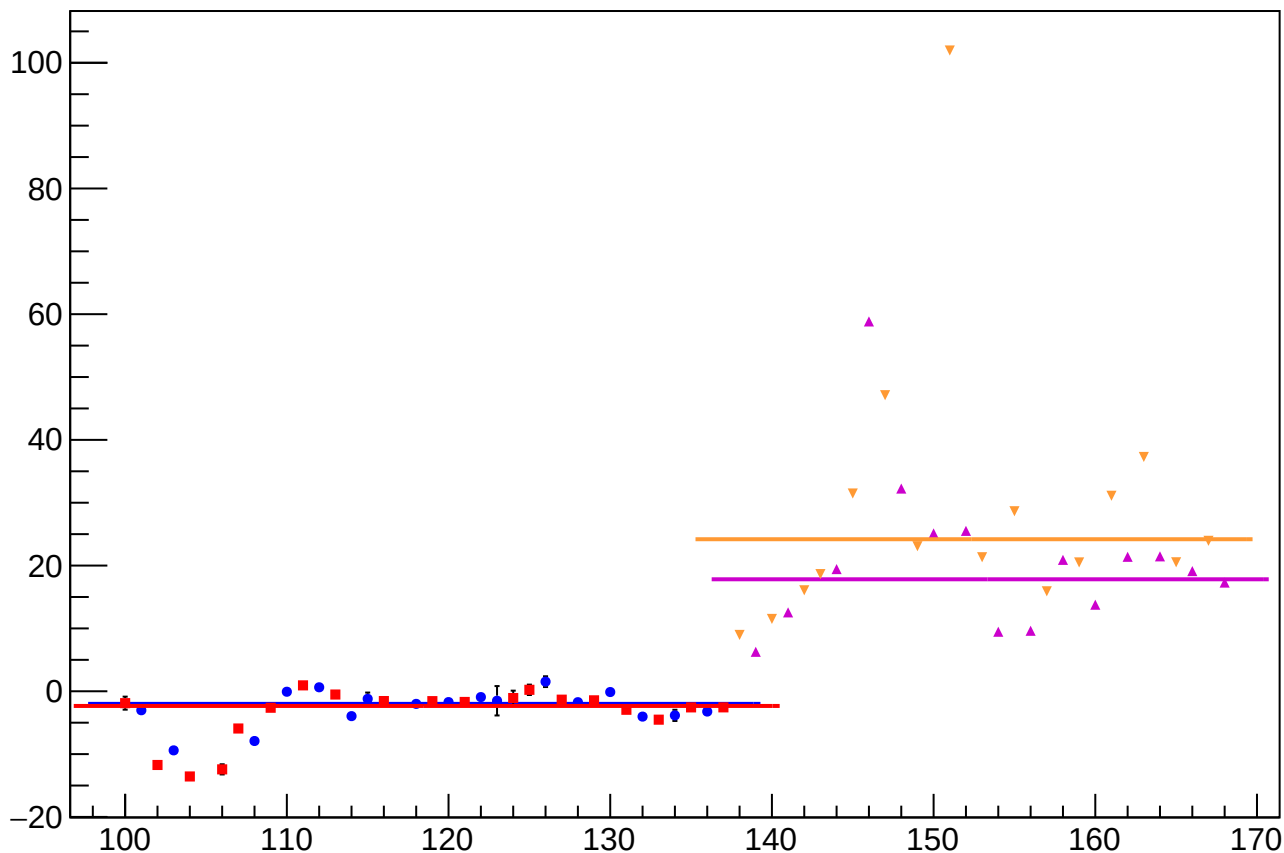
Right: 1.223 ± 0.042 $\chi^2/\text{NDF}: 1695.5/35$

In: 1.459 ± 0.032 $\chi^2/\text{NDF}: 2611.9/31$

Out: 1.481 ± 0.036 $\chi^2/\text{NDF}: 3281.7/34$

All: 1.469 ± 0.024 $\chi^2/\text{NDF}: 5893.8/66$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.006 ± 0.111 χ^2/NDF : 463.3/16

Left Out: 24.191 ± 0.060 χ^2/NDF : 50803.3/15

Right Out: -2.336 ± 0.099 χ^2/NDF : 901.2/18

Left In: 17.817 ± 0.050 χ^2/NDF : 35759.2/14

Left: 20.432 ± 0.039 χ^2/NDF : 93137.8/30

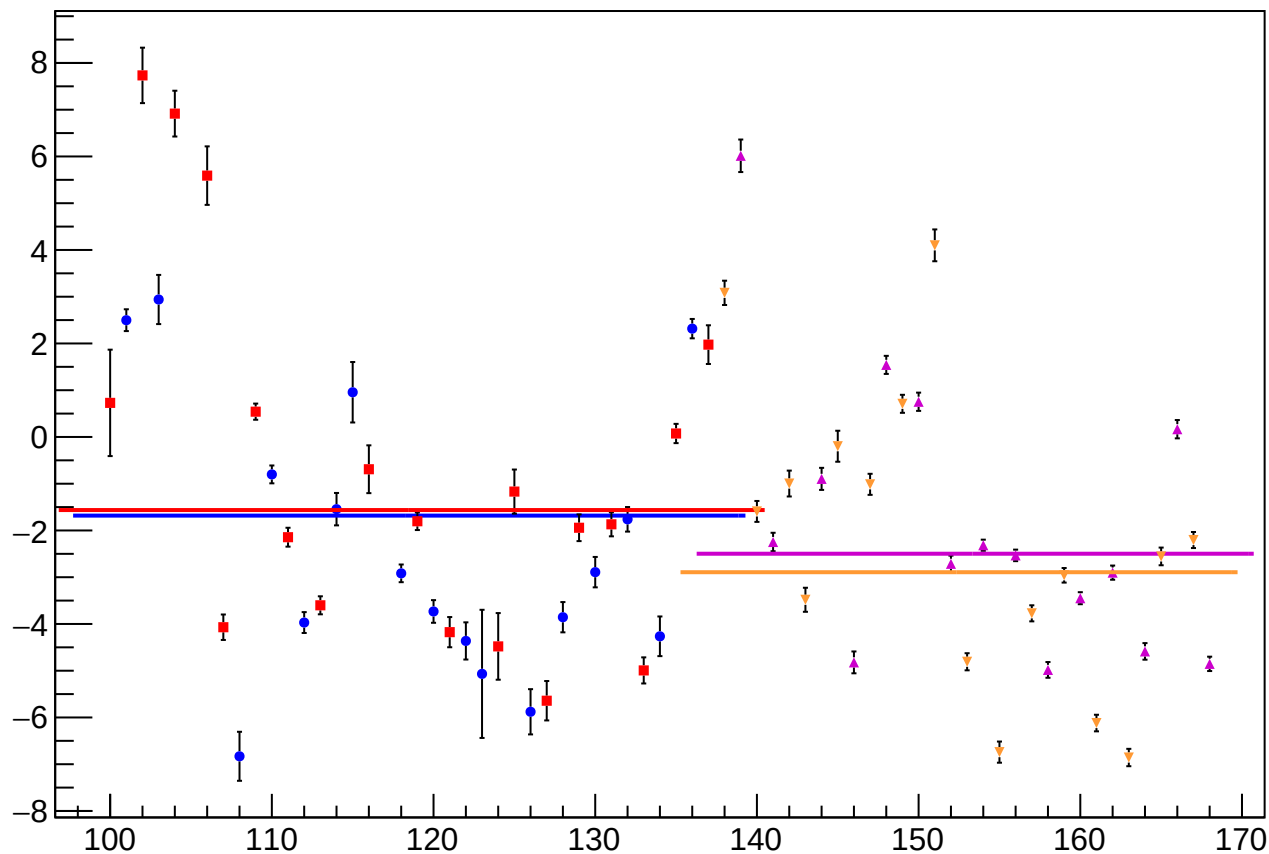
Right: -2.190 ± 0.074 χ^2/NDF : 1369.4/35

In: 14.415 ± 0.046 χ^2/NDF : 62822.8/31

Out: 16.993 ± 0.052 χ^2/NDF : 104113.8/34

All: 15.554 ± 0.034 χ^2/NDF : 168335.0/66

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.682 ± 0.070 χ^2/NDF : 1347.8/16

Left Out: -2.893 ± 0.052 χ^2/NDF : 2751.9/15

Right Out: -1.563 ± 0.066 χ^2/NDF : 1504.7/18

Left In: -2.498 ± 0.043 χ^2/NDF : 2301.8/14

Left: -2.661 ± 0.033 χ^2/NDF : 5088.0/30

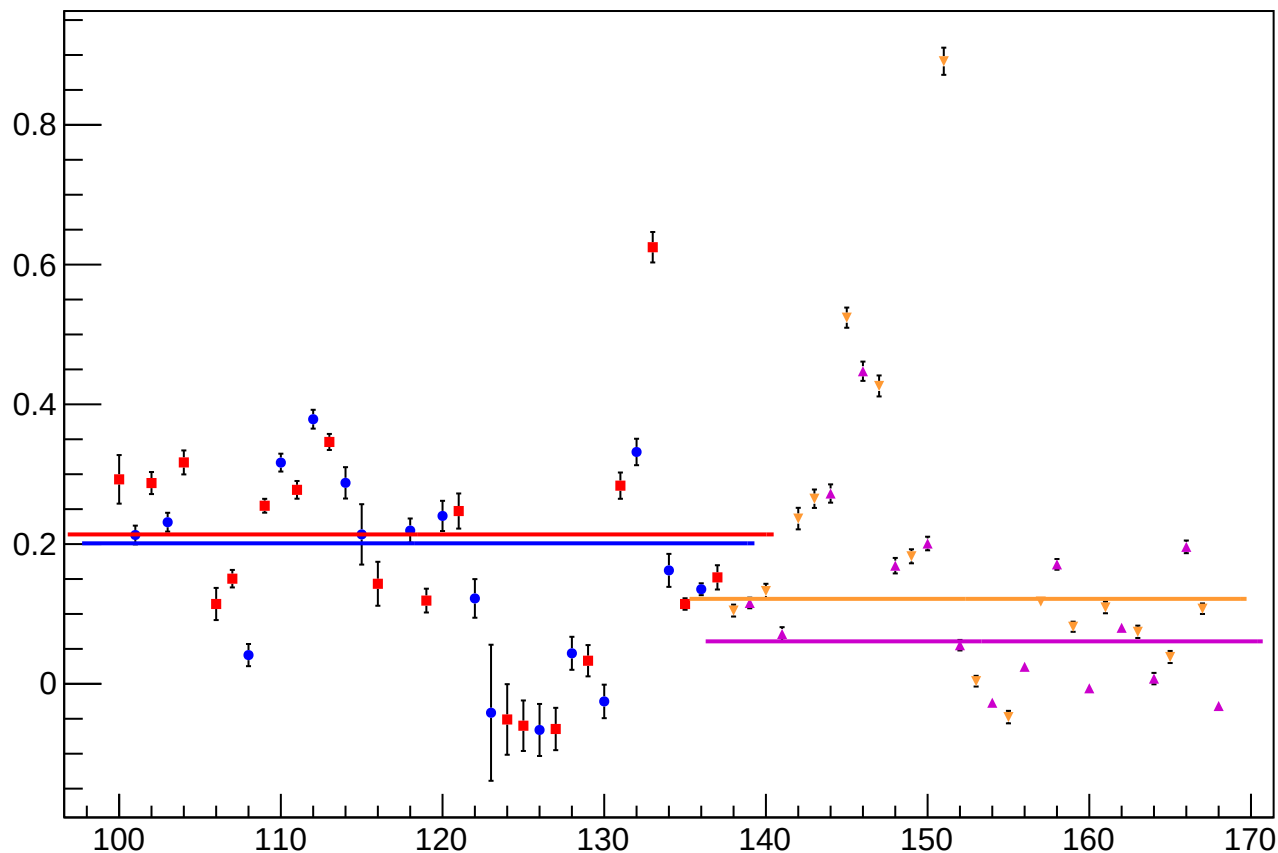
Right: -1.619 ± 0.048 χ^2/NDF : 2854.1/35

In: -2.273 ± 0.037 χ^2/NDF : 3747.0/31

Out: -2.384 ± 0.041 χ^2/NDF : 4509.9/34

All: -2.323 ± 0.027 χ^2/NDF : 8261.1/66

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 χ^2/NDF : 691.3/16

Left Out: 0.122 ± 0.002 χ^2/NDF : 3718.0/15

Right Out: 0.214 ± 0.004 χ^2/NDF : 1083.1/18

Left In: 0.061 ± 0.002 χ^2/NDF : 2626.3/14

Left: 0.085 ± 0.001 χ^2/NDF : 6757.0/30

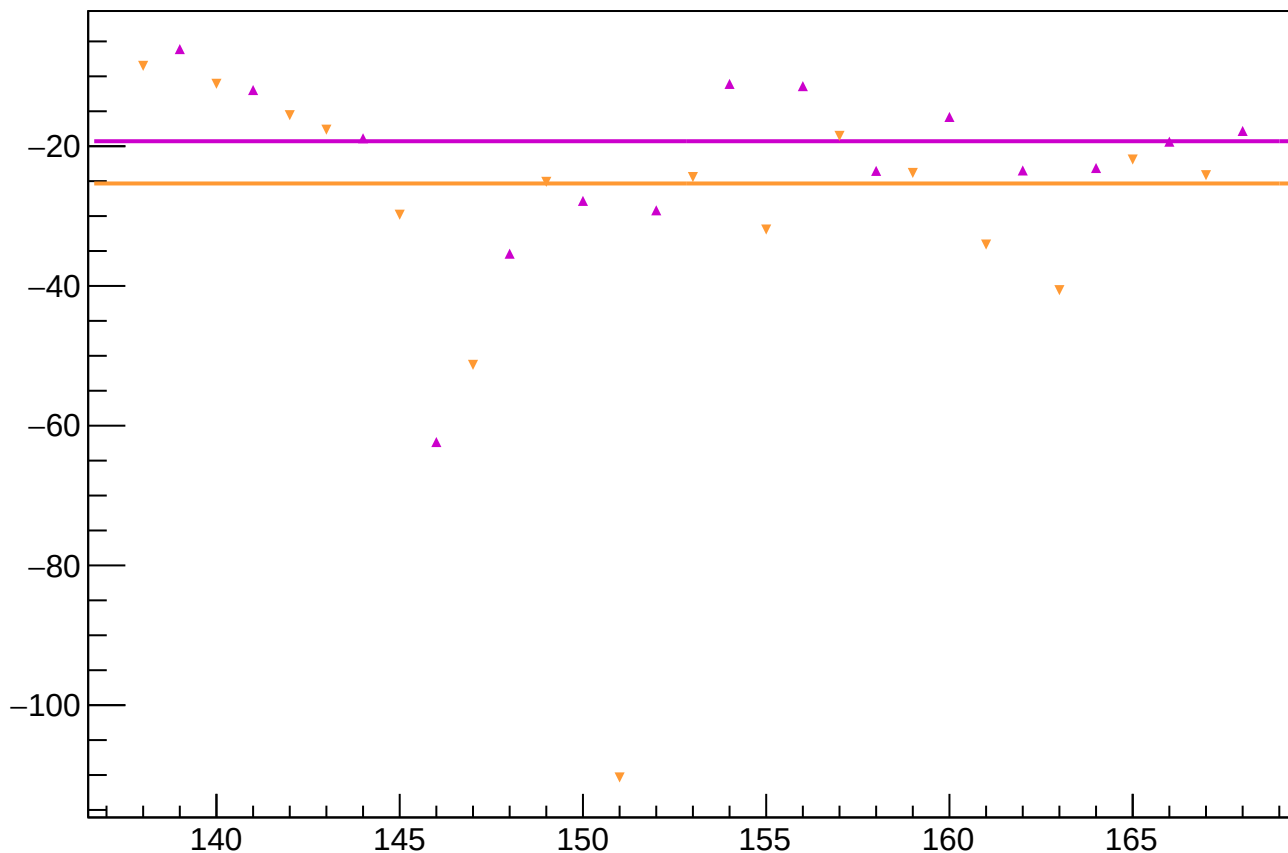
Right: 0.208 ± 0.003 χ^2/NDF : 1779.7/35

In: 0.085 ± 0.002 χ^2/NDF : 4273.8/31

Out: 0.148 ± 0.002 χ^2/NDF : 5249.5/34

All: 0.112 ± 0.001 χ^2/NDF : 10104.8/66

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -25.334 ± 0.062 $\chi^2/\text{NDF}: 56629.1/15$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -19.287 ± 0.053 $\chi^2/\text{NDF}: 36798.9/14$

Left: -21.828 ± 0.041 $\chi^2/\text{NDF}: 98856.9/30$

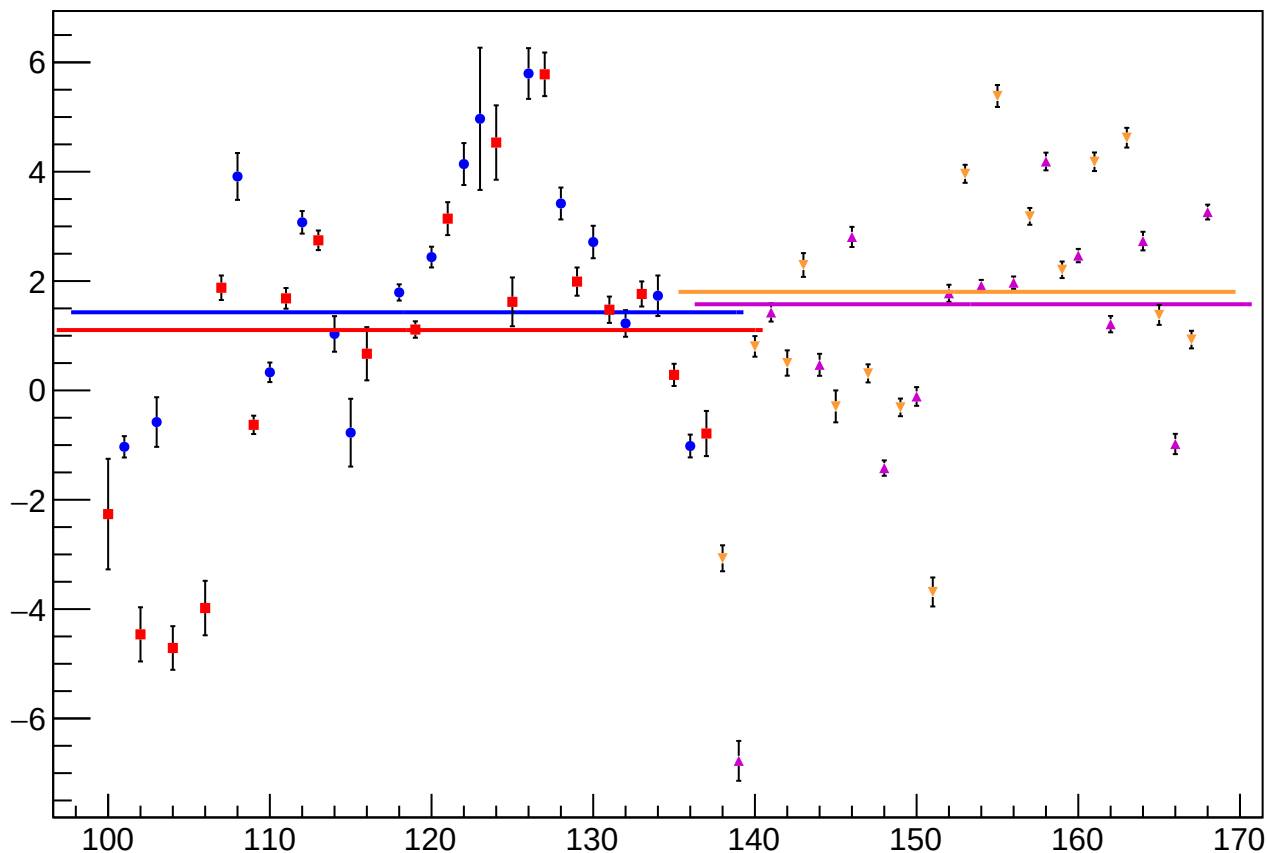
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -19.287 ± 0.053 $\chi^2/\text{NDF}: 36798.9/14$

Out: -25.334 ± 0.062 $\chi^2/\text{NDF}: 56629.1/15$

All: -21.828 ± 0.041 $\chi^2/\text{NDF}: 98856.9/30$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.429 ± 0.062 χ^2/NDF : 711.4/16

Left Out: 1.803 ± 0.046 χ^2/NDF : 2270.8/15

Right Out: 1.104 ± 0.059 χ^2/NDF : 936.5/18

Left In: 1.576 ± 0.039 χ^2/NDF : 1883.4/14

Left: 1.670 ± 0.030 χ^2/NDF : 4168.3/30

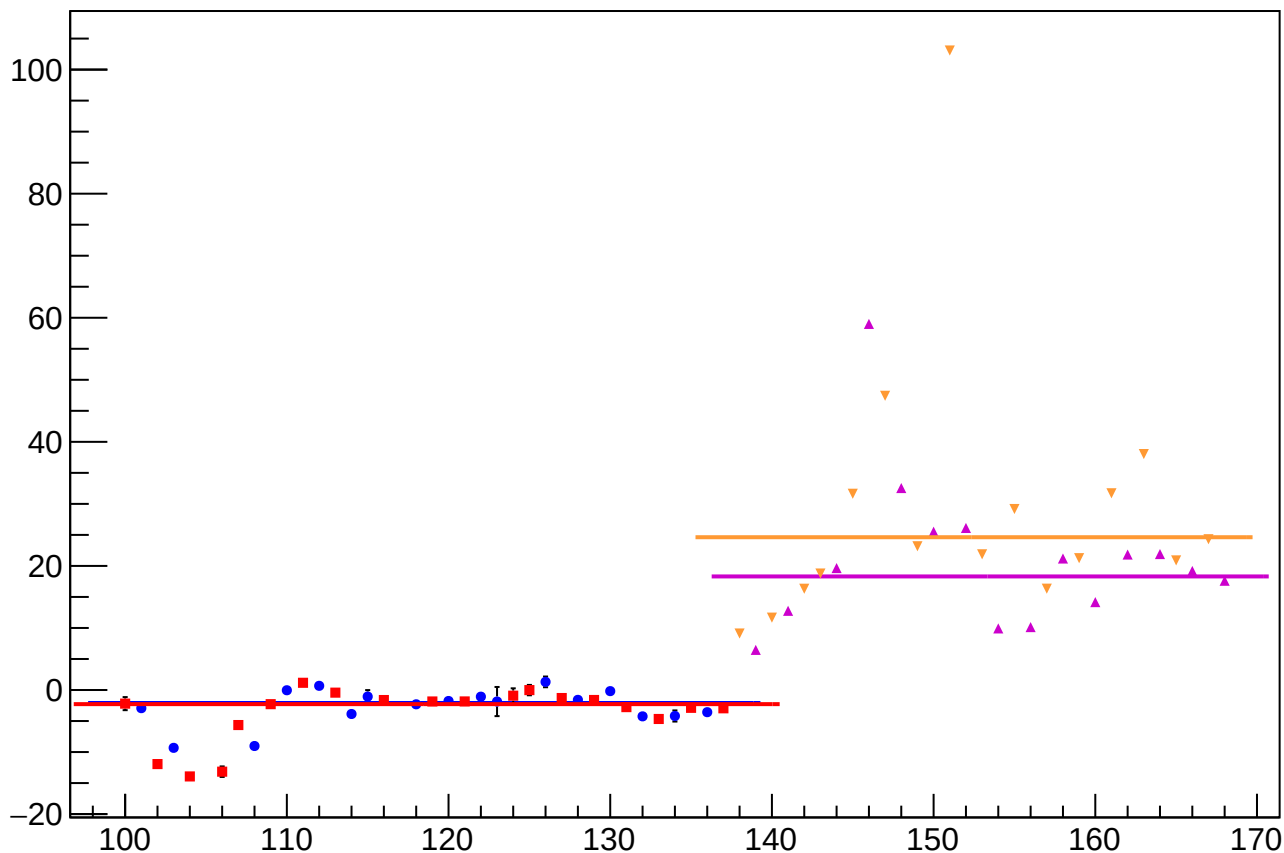
Right: 1.259 ± 0.043 χ^2/NDF : 1662.3/35

In: 1.534 ± 0.033 χ^2/NDF : 2598.8/31

Out: 1.539 ± 0.036 χ^2/NDF : 3293.8/34

All: 1.536 ± 0.024 χ^2/NDF : 5892.6/66

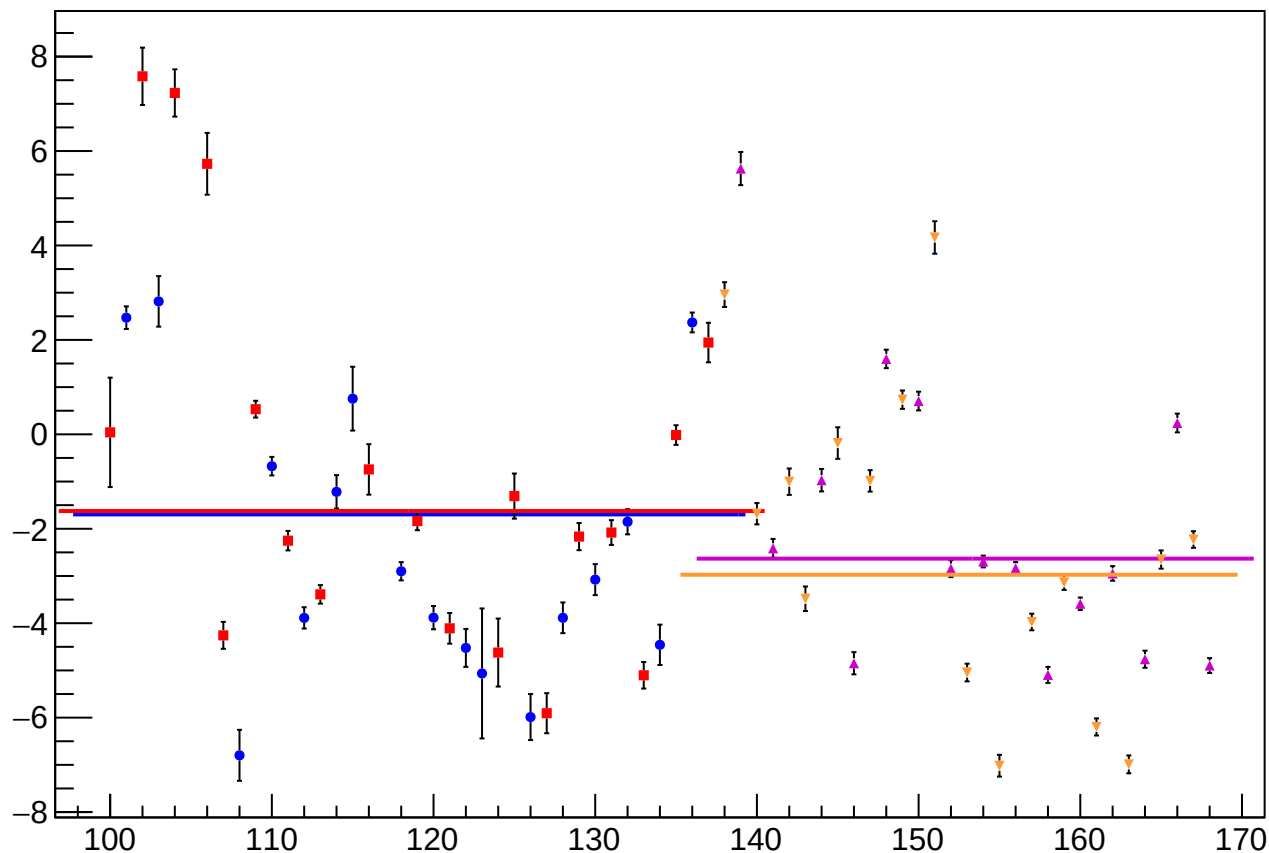
reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.094 ± 0.113 $\chi^2/\text{NDF}: 486.5/16$
 Left Out: 24.626 ± 0.061 $\chi^2/\text{NDF}: 50583.4/15$
 Right Out: -2.278 ± 0.101 $\chi^2/\text{NDF}: 918.6/18$
 Left In: 18.306 ± 0.052 $\chi^2/\text{NDF}: 34529.7/14$

Left: 20.919 ± 0.040 $\chi^2/\text{NDF}: 91317.0/30$
 Right: -2.196 ± 0.075 $\chi^2/\text{NDF}: 1406.6/35$
 In: 14.766 ± 0.047 $\chi^2/\text{NDF}: 62148.8/31$
 Out: 17.358 ± 0.052 $\chi^2/\text{NDF}: 103279.8/34$
 All: 15.917 ± 0.035 $\chi^2/\text{NDF}: 166783.9/66$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.696 ± 0.072 $\chi^2/\text{NDF}: 1333.3/16$

Left Out: -2.974 ± 0.053 $\chi^2/\text{NDF}: 2791.7/15$

Right Out: -1.624 ± 0.067 $\chi^2/\text{NDF}: 1467.3/18$

Left In: -2.632 ± 0.044 $\chi^2/\text{NDF}: 2265.6/14$

Left: -2.774 ± 0.034 $\chi^2/\text{NDF}: 5081.8/30$

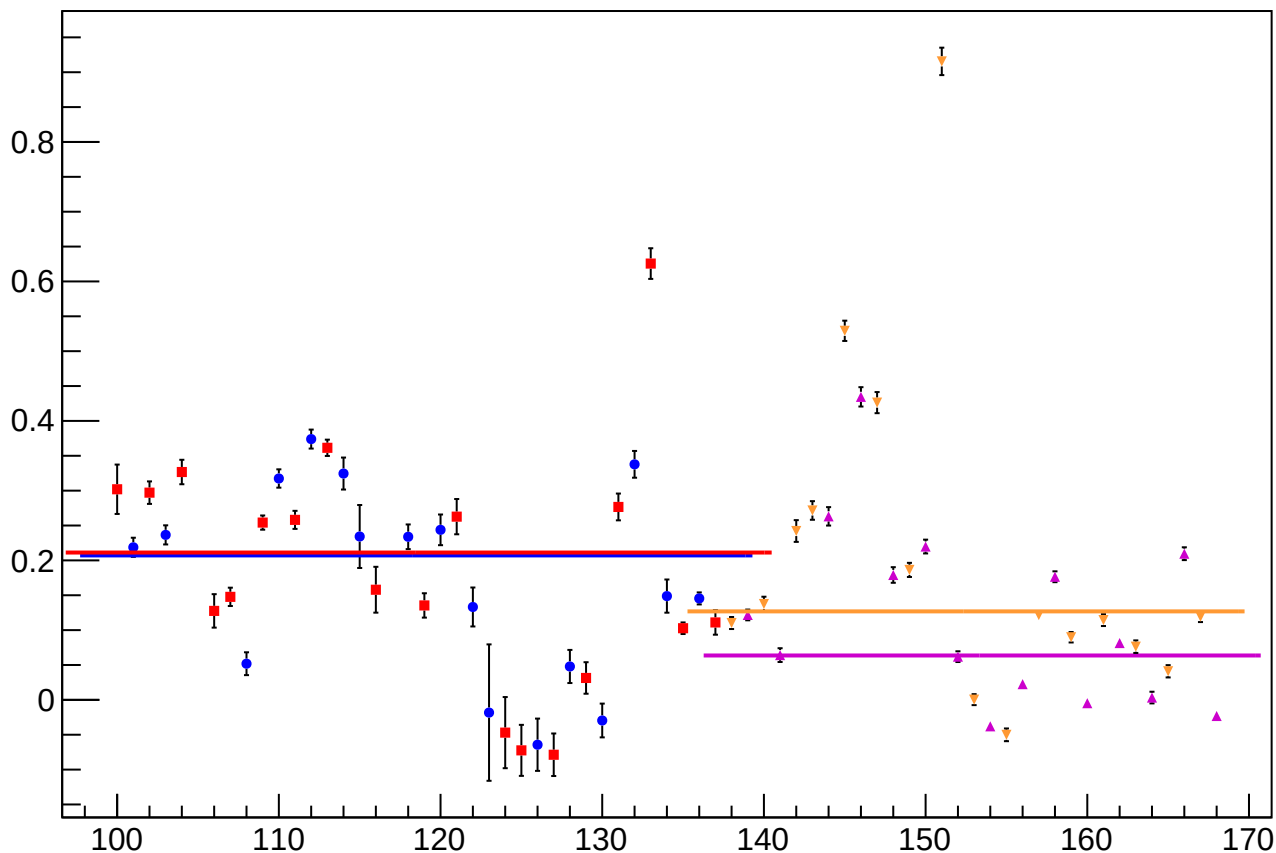
Right: -1.658 ± 0.049 $\chi^2/\text{NDF}: 2801.2/35$

In: -2.371 ± 0.038 $\chi^2/\text{NDF}: 3722.5/31$

Out: -2.458 ± 0.041 $\chi^2/\text{NDF}: 4509.9/34$

All: -2.411 ± 0.028 $\chi^2/\text{NDF}: 8234.8/66$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 $\pm$ 0.004 χ^2 /NDF: 656.3/16

Left Out: 0.127 $\pm$ 0.002 χ^2 /NDF:3765.8/15

Right Out: 0.211 $\pm$ 0.004 χ^2 /NDF: 1145.7/18

Left In: 0.064 $\pm$ 0.002 χ^2 /NDF:2660.9/14

Left: 0.089 $\pm$ 0.001 χ^2 /NDF: 6853.9/30

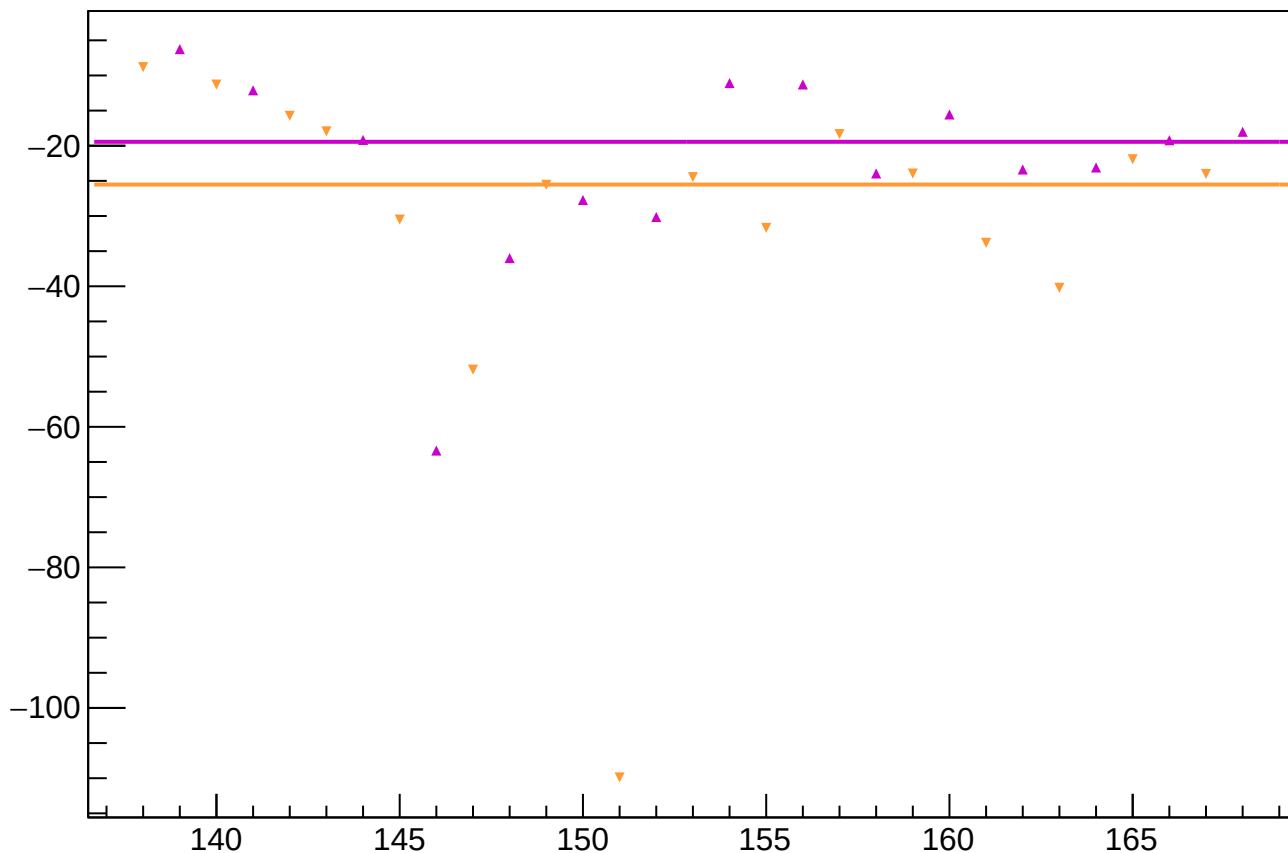
Right: 0.209 $\pm$ 0.003 χ^2 /NDF: 1802.5/35

In: 0.089 $\pm$ 0.002 χ^2 /NDF:4280.4/31

Out: 0.151 $\pm$ 0.002 χ^2 /NDF:5272.3/34

All: 0.116 $\pm$ 0.001 χ^2 /NDF: 10095.9/66

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -25.523+/-0.063 χ^2/NDF :55413.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -19.440+/-0.054 χ^2/NDF :37047.9/14

Left: -22.009+/-0.041 χ^2/NDF : 97838.0/30

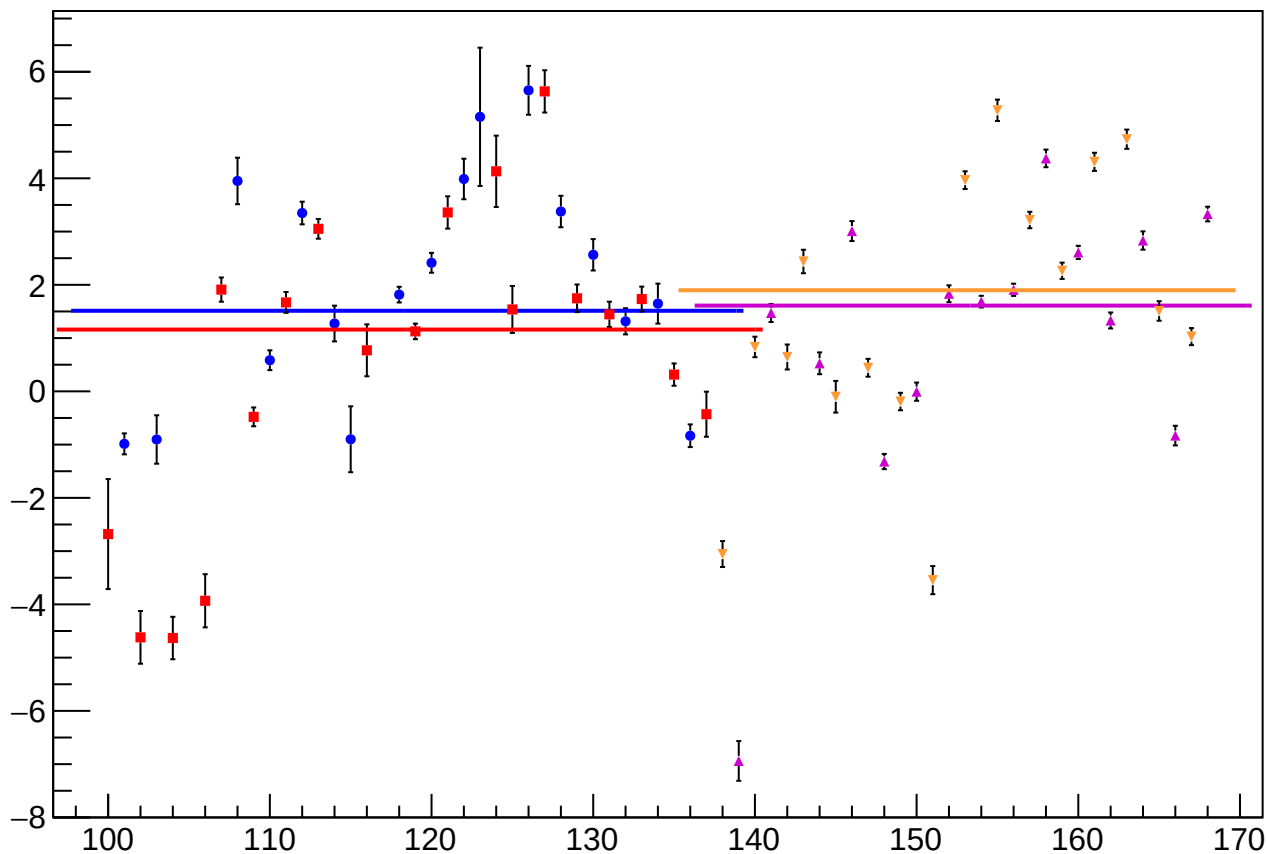
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.440+/-0.054 χ^2/NDF :37047.9/14

Out: -25.523+/-0.063 χ^2/NDF :55413.5/15

All: -22.009+/-0.041 χ^2/NDF : 97838.0/30

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.513 $\pm$ 0.063 χ^2 /NDF: 669.7/16

Left Out: 1.898 $\pm$ 0.047 χ^2 /NDF:2182.7/15

Right Out: 1.160 $\pm$ 0.060 χ^2 /NDF: 917.0/18

Left In: 1.610 $\pm$ 0.040 χ^2 /NDF:1855.1/14

Left: 1.731 $\pm$ 0.030 χ^2 /NDF: 4060.1/30

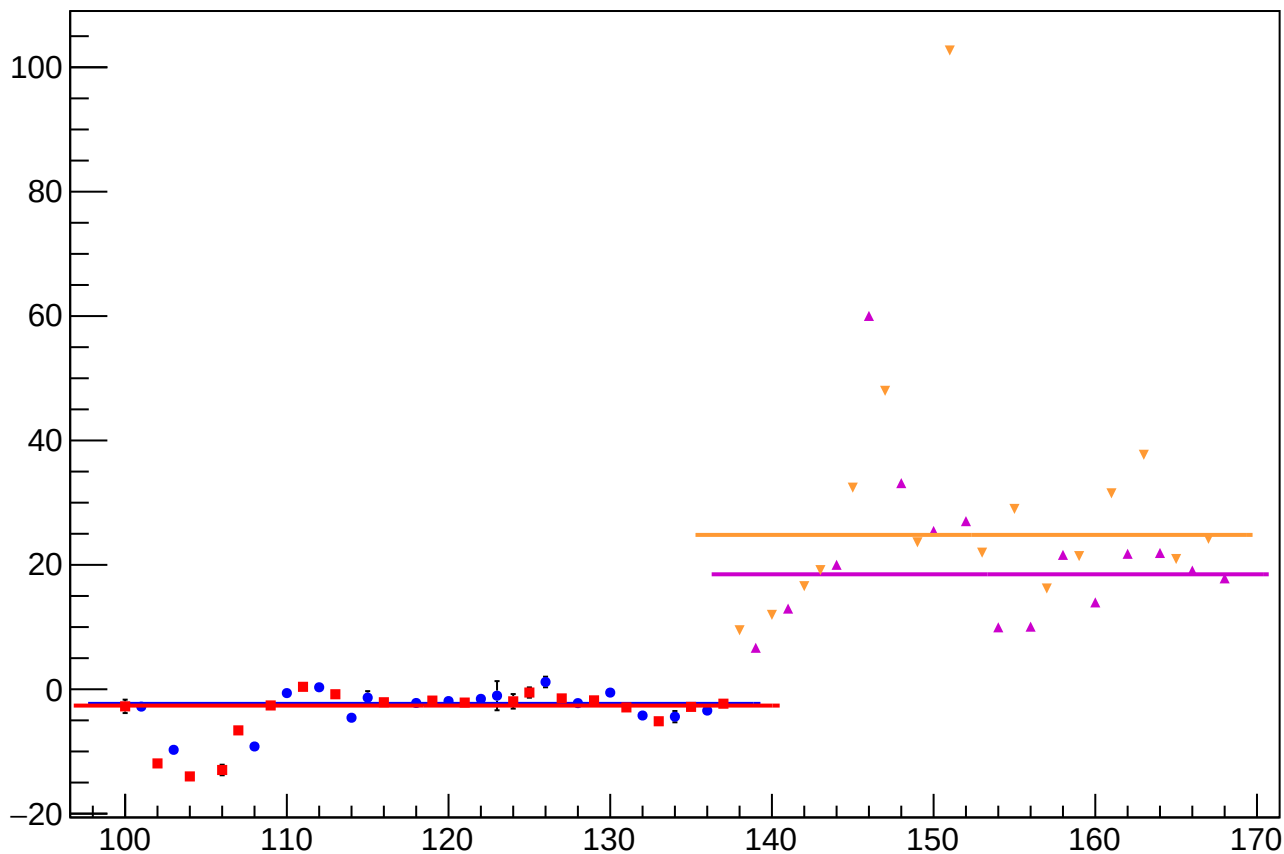
Right: 1.329 $\pm$ 0.043 χ^2 /NDF: 1603.3/35

In: 1.582 $\pm$ 0.033 χ^2 /NDF:2526.6/31

Out: 1.621 $\pm$ 0.037 χ^2 /NDF:3194.0/34

All: 1.600 $\pm$ 0.025 χ^2 /NDF: 5721.2/66

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.350 ± 0.114 χ^2/NDF : 439.7/16

Left Out: 24.819 ± 0.062 χ^2/NDF : 49627.6/15

Right Out: -2.624 ± 0.103 χ^2/NDF : 840.4/18

Left In: 18.483 ± 0.052 χ^2/NDF : 34811.8/14

Left: 21.119 ± 0.040 χ^2/NDF : 90542.9/30

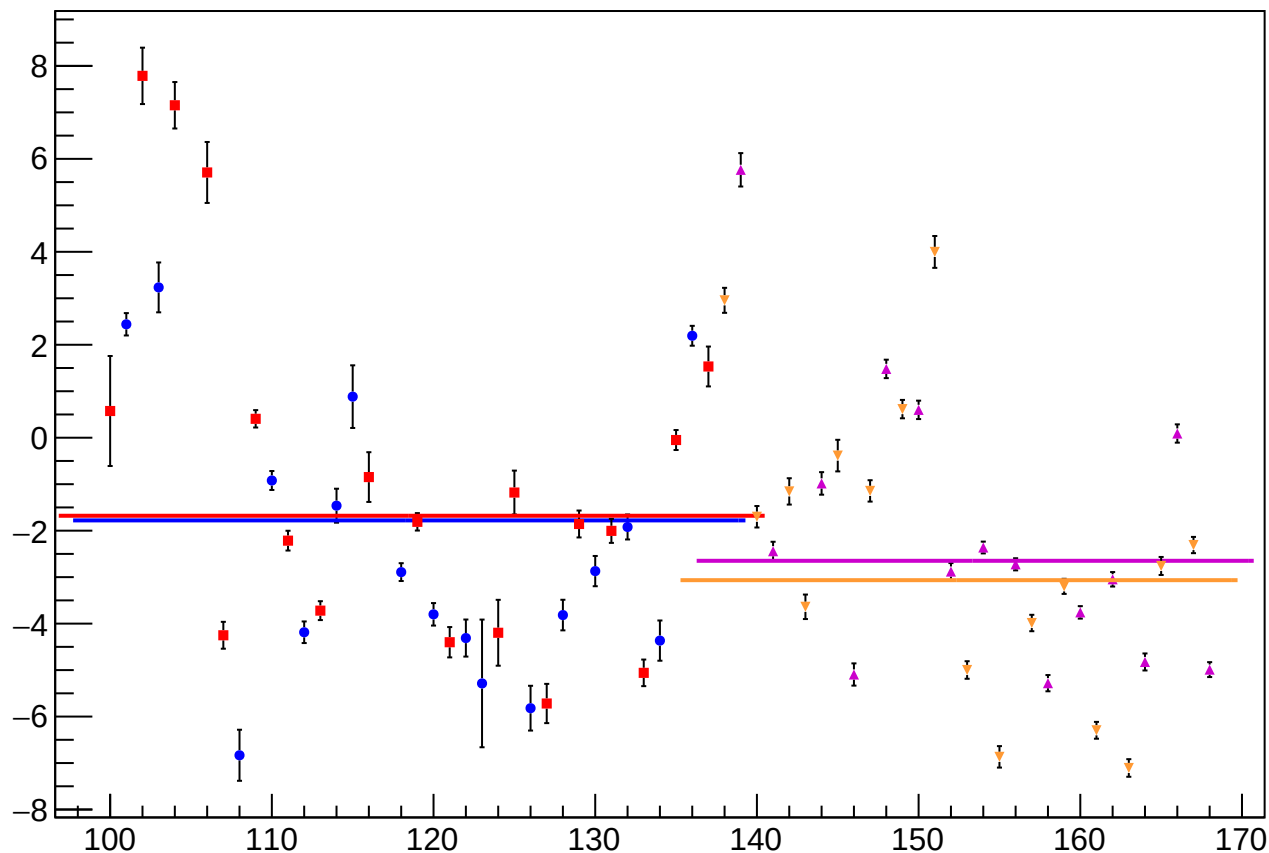
Right: -2.501 ± 0.077 χ^2/NDF : 1283.3/35

In: 14.876 ± 0.048 χ^2/NDF : 62721.0/31

Out: 17.548 ± 0.053 χ^2/NDF : 102414.1/34

All: 16.065 ± 0.035 χ^2/NDF : 166539.2/66

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.779 ± 0.072 χ^2/NDF : 1272.1/16

Left Out: -3.065 ± 0.053 χ^2/NDF : 2686.0/15

Right Out: -1.679 ± 0.068 χ^2/NDF : 1429.6/18

Left In: -2.648 ± 0.045 χ^2/NDF : 2259.0/14

Left: -2.823 ± 0.034 χ^2/NDF : 4980.9/30

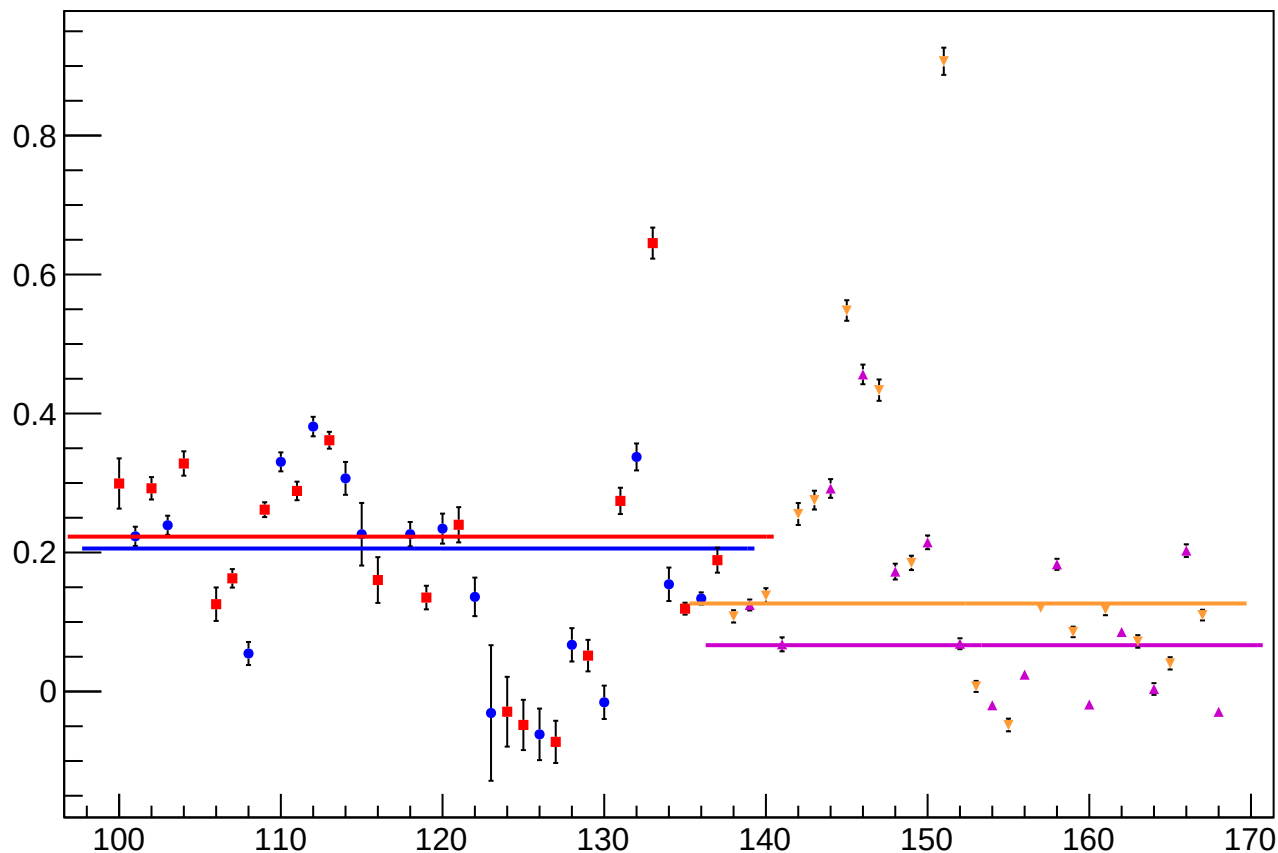
Right: -1.726 ± 0.050 χ^2/NDF : 2702.6/35

In: -2.405 ± 0.038 χ^2/NDF : 3635.3/31

Out: -2.541 ± 0.042 χ^2/NDF : 4373.8/34

All: -2.467 ± 0.028 χ^2/NDF : 8014.8/66

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.206 ± 0.004 χ^2/NDF : 651.8/16

Left Out: 0.127 ± 0.002 χ^2/NDF : 3785.3/15

Right Out: 0.223 ± 0.004 χ^2/NDF : 1042.2/18

Left In: 0.067 ± 0.002 χ^2/NDF : 2674.0/14

Left: 0.091 ± 0.002 χ^2/NDF : 6835.6/30

Right: 0.215 ± 0.003 χ^2/NDF : 1702.9/35

In: 0.091 ± 0.002 χ^2/NDF : 4206.6/31

Out: 0.154 ± 0.002 χ^2/NDF : 5280.9/34

All: 0.118 ± 0.001 χ^2/NDF : 10023.1/66