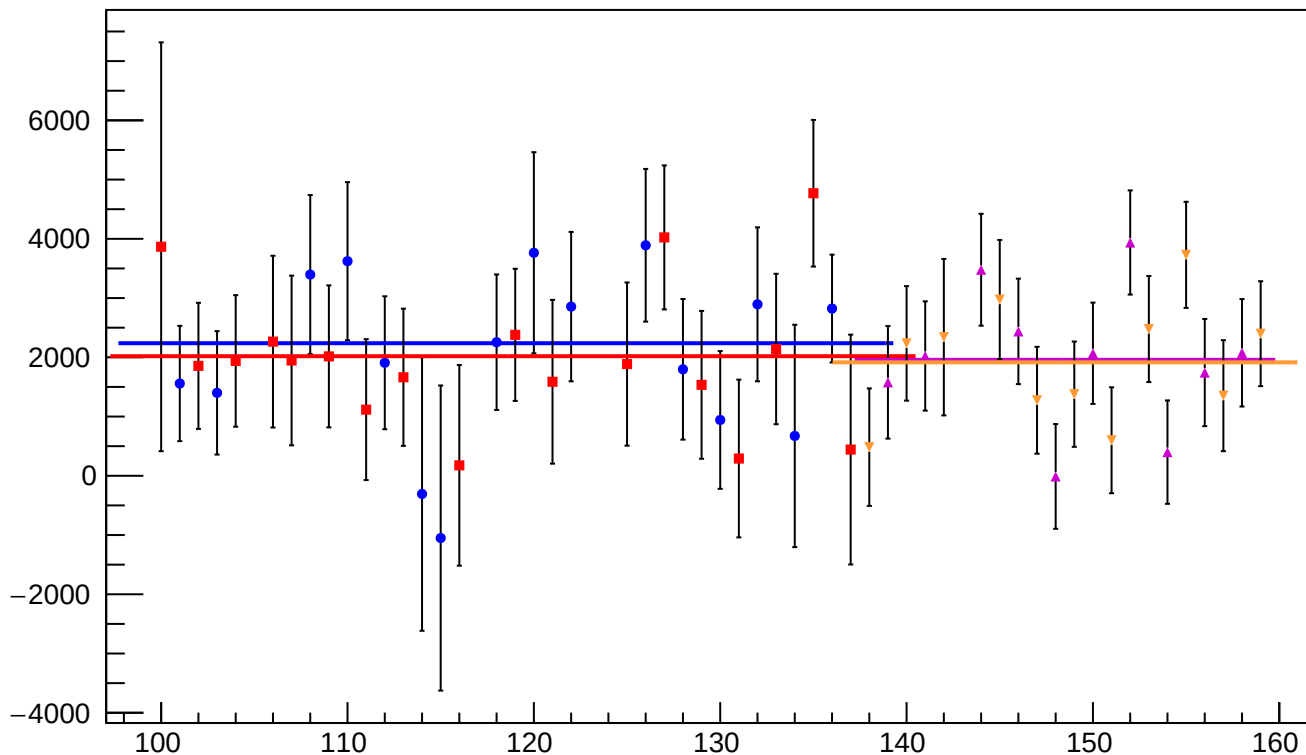


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2237.929+/-314.642

Left Out: 1915.006+/-285.125

Right Out: 2018.625+/-308.362

Left In: 1957.213+/-284.522

χ^2/NDF : 11.3/15

χ^2/NDF : 11.6/10

χ^2/NDF : 12.6/17

χ^2/NDF : 16.4/9

Left: 1936.154+/-201.400

Right: 2126.067+/-220.232

In: 2083.495+/-211.035

Out: 1962.765+/-209.347

All: 2022.645+/-148.624

χ^2/NDF : 28.0/20

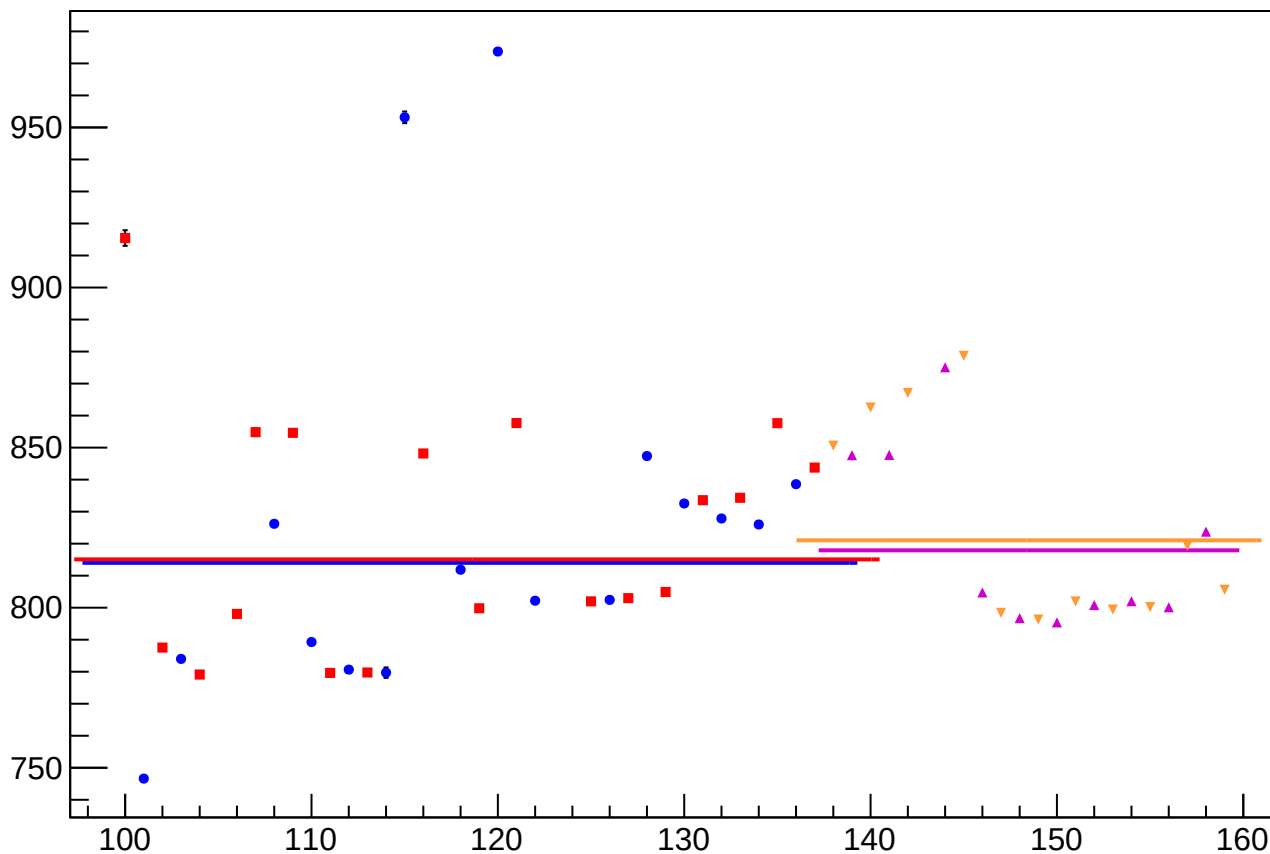
χ^2/NDF : 24.1/33

χ^2/NDF : 28.1/25

χ^2/NDF : 24.2/28

χ^2/NDF : 52.5/54

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 814.021+/-0.222 χ^2/NDF : 42041.6/15

Left Out: 821.043+/-0.202 χ^2/NDF : 21020.0/10

Right Out: 815.084+/-0.218 χ^2/NDF : 19959.3/17

Left In: 817.917+/-0.201 χ^2/NDF : 16612.5/9

Left: 819.477+/-0.142 χ^2/NDF : 37752.9/20

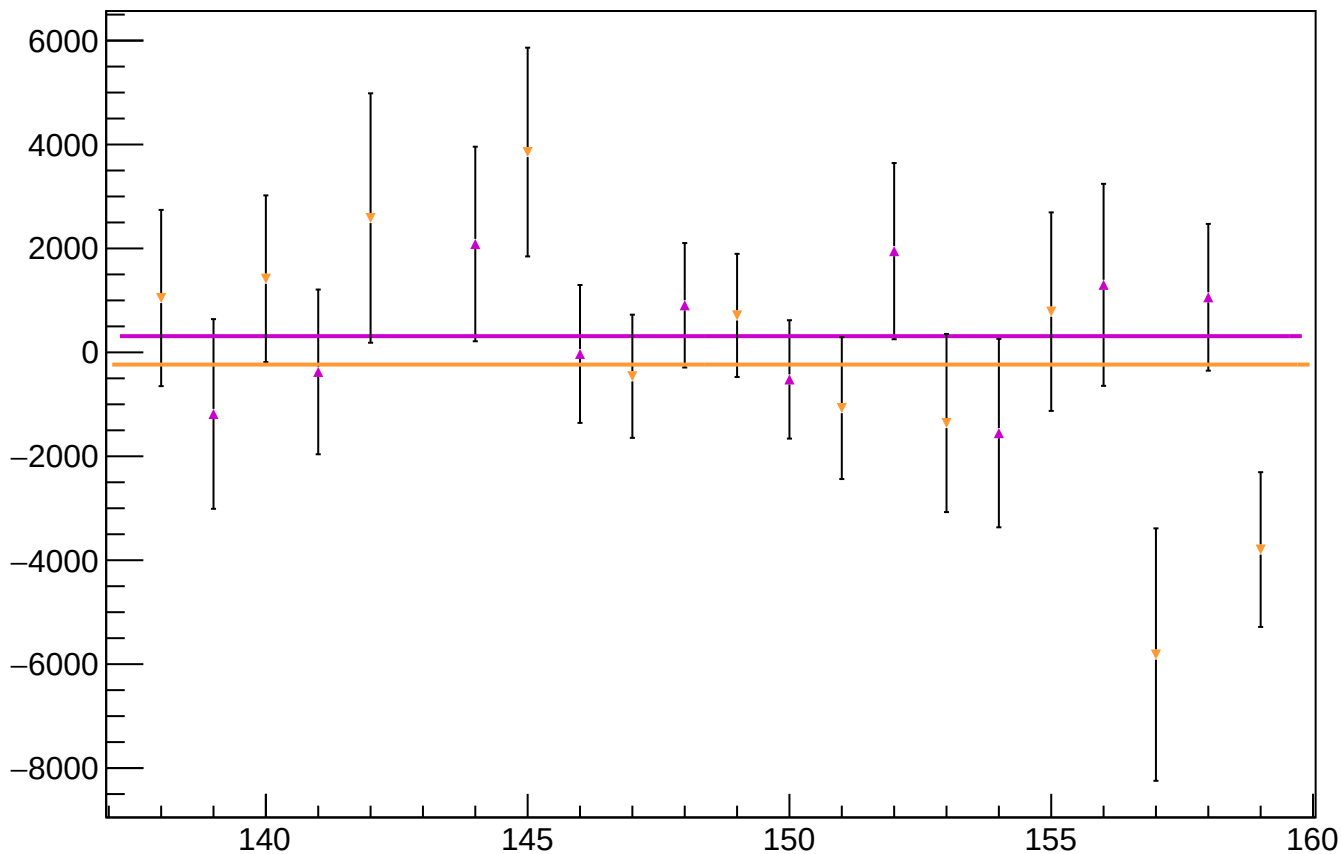
Right: 814.563+/-0.156 χ^2/NDF : 62012.6/33

In: 816.164+/-0.149 χ^2/NDF : 58822.8/25

Out: 818.296+/-0.148 χ^2/NDF : 41381.8/28

All: 817.239+/-0.105 χ^2/NDF : 100307.5/54

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -234.758+/-479.230 χ^2/NDF :19.9/10

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

Left In: 312.027+/-474.699 χ^2/NDF :5.1/9

Left: 41.231+/-337.254 χ^2/NDF : 25.7/20

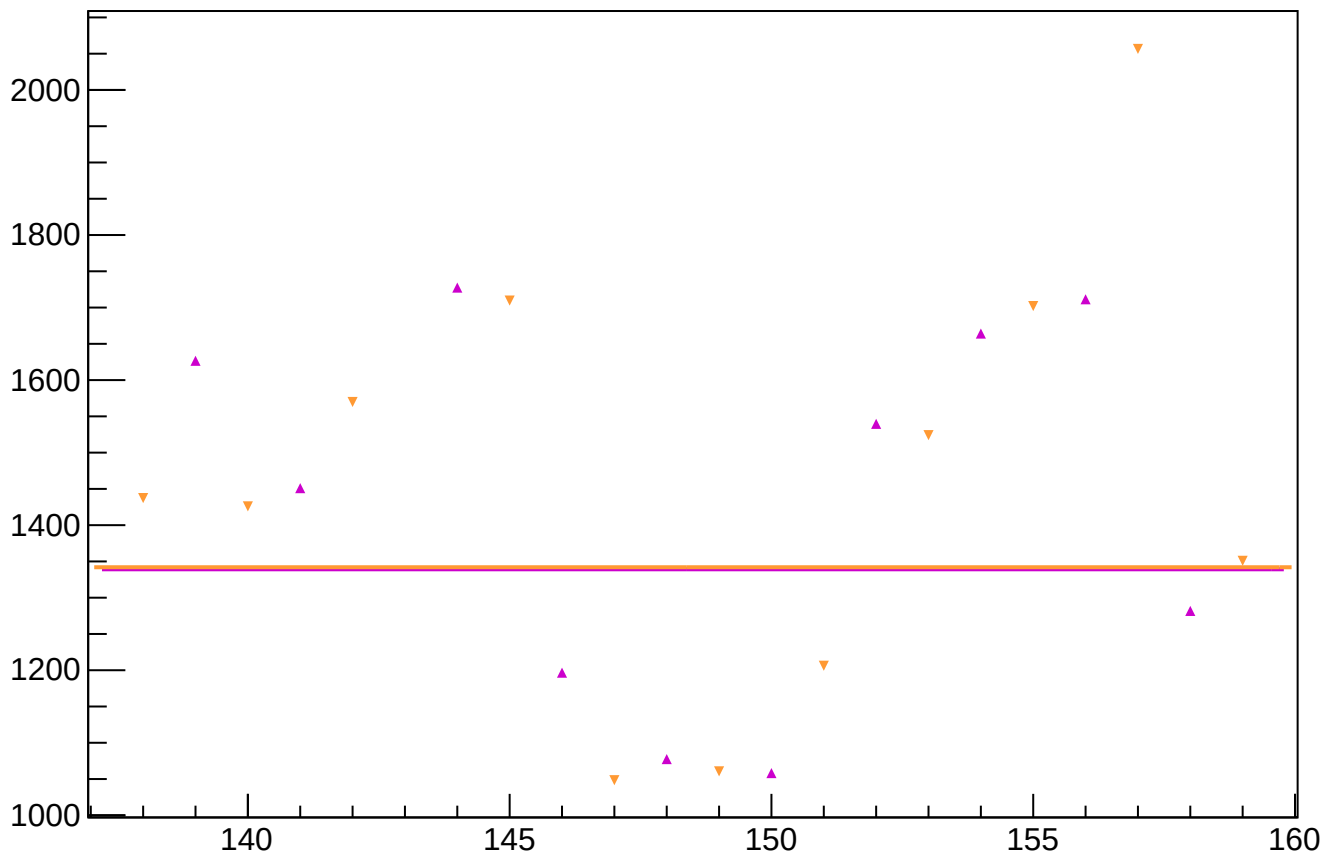
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 312.027+/-474.699 χ^2/NDF :5.1/9

Out: -234.758+/-479.230 χ^2/NDF :19.9/10

All: 41.231+/-337.254 χ^2/NDF : 25.7/20

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1341.982+/-0.339 χ^2/NDF :619007.8/10

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

Left In: 1339.167+/-0.336 χ^2/NDF :554793.8/9

Left: 1340.561+/-0.238 χ^2/NDF : 1173836.4/20

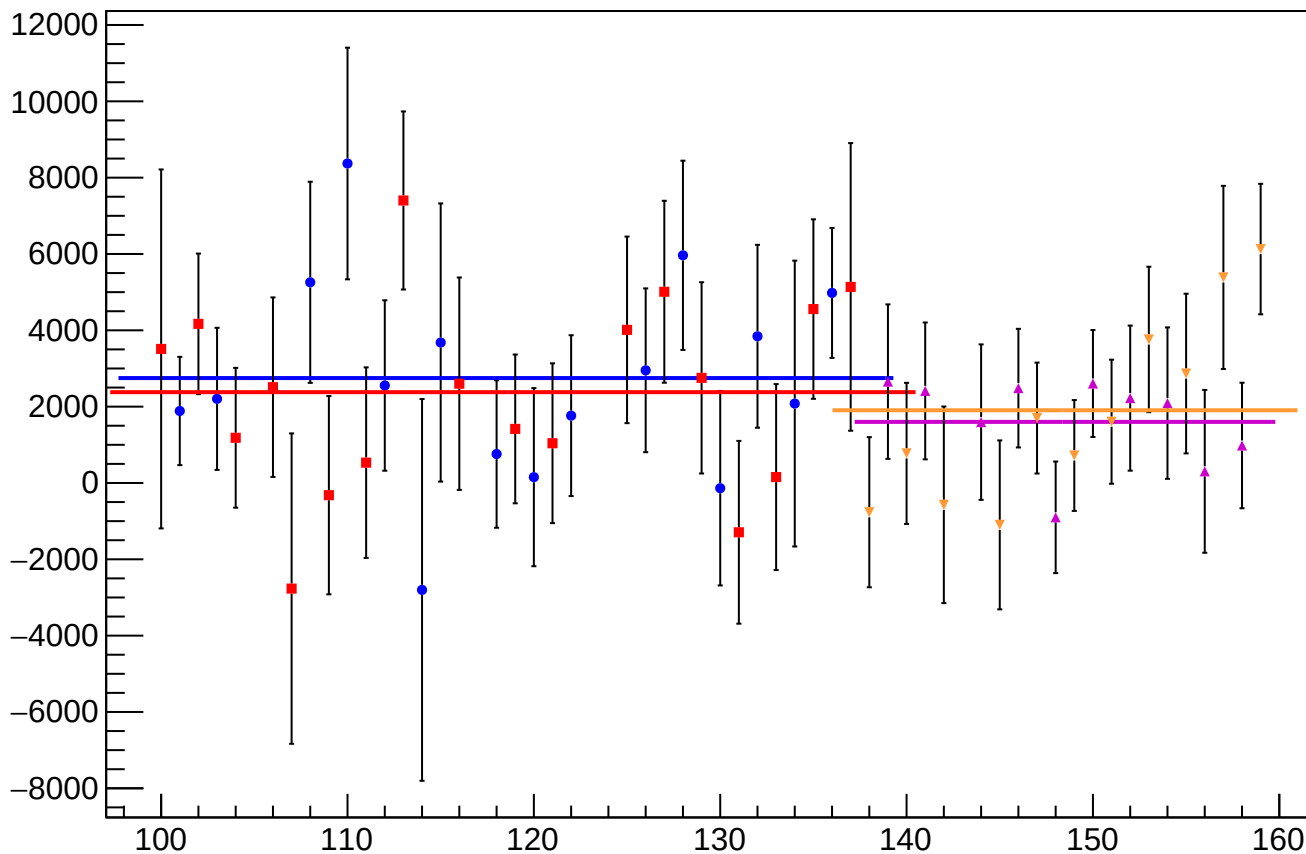
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1339.167+/-0.336 χ^2/NDF :554793.8/9

Out: 1341.982+/-0.339 χ^2/NDF :619007.8/10

All: 1340.561+/-0.238 χ^2/NDF : 1173836.4/20

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1905.132 $\pm$ 554.516 χ^2 /NDF:15.1/10

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

Left In: 1600.788 $\pm$ 549.753 χ^2 /NDF:4.9/9

Left: 1751.648 $\pm$ 390.407 χ^2 /NDF: 20.1/20

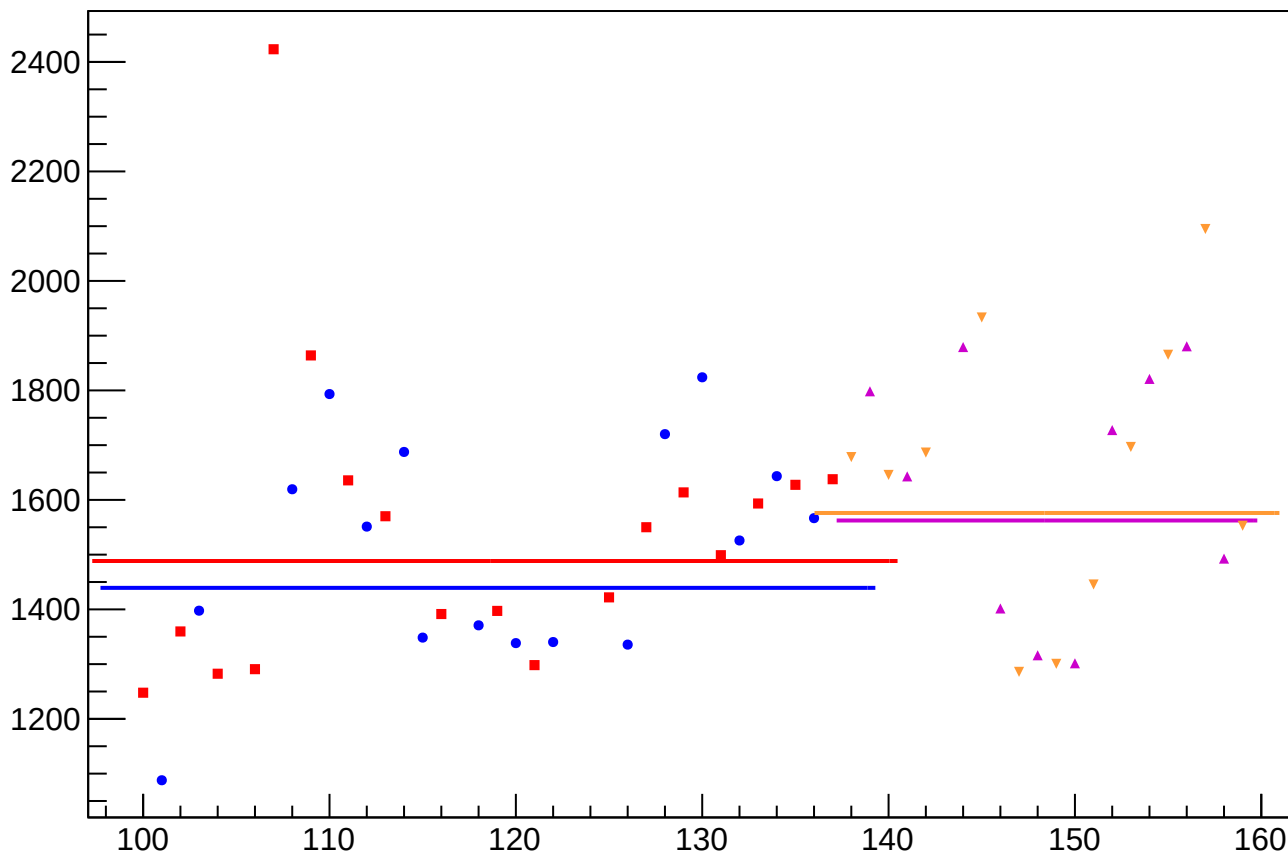
Right: 2566.079 $\pm$ 400.174 χ^2 /NDF: 30.0/33

In: 2161.176 $\pm$ 393.315 χ^2 /NDF:20.6/25

Out: 2136.191 $\pm$ 397.113 χ^2 /NDF:31.6/28

All: 2148.804 $\pm$ 279.449 χ^2 /NDF: 52.2/54

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1439.332+/-0.398 χ^2/NDF : 277860.8/15

Left Out: 1576.112+/-0.392 χ^2/NDF : 368688.5/10

Right Out: 1488.384+/-0.402 χ^2/NDF : 256324.7/17

Left In: 1562.379+/-0.389 χ^2/NDF : 324327.5/9

Left: 1569.186+/-0.276 χ^2/NDF : 693634.7/20

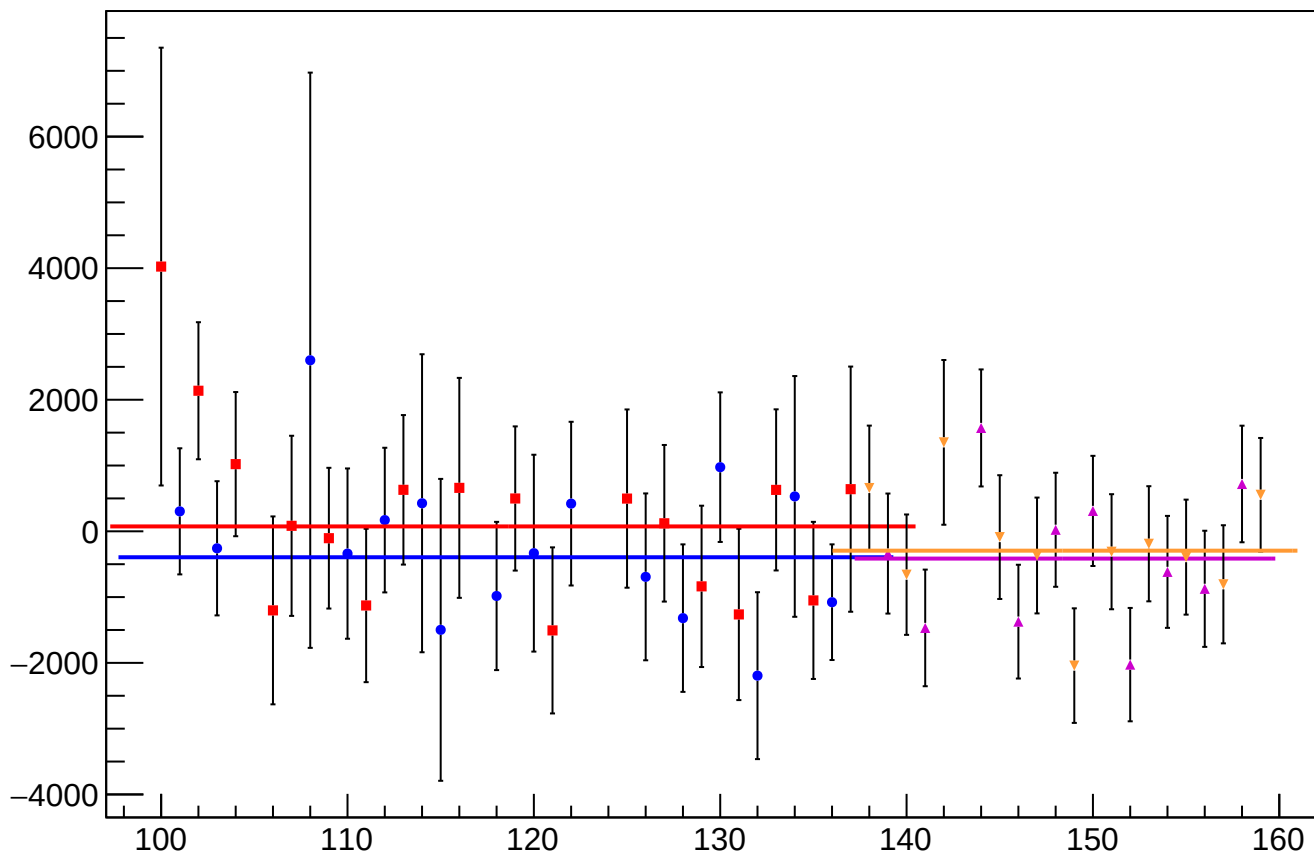
Right: 1463.597+/-0.283 χ^2/NDF : 541697.1/33

In: 1502.314+/-0.278 χ^2/NDF : 651097.0/25

Out: 1533.376+/-0.281 χ^2/NDF : 649399.1/28

All: 1517.696+/-0.198 χ^2/NDF : 1306673.4/54

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -394.364 ± 313.174 $\chi^2/\text{NDF}: 7.4/15$

Left Out: -294.306 ± 275.402 $\chi^2/\text{NDF}: 8.3/10$

Right Out: 74.289 ± 298.398 $\chi^2/\text{NDF}: 12.9/17$

Left In: -414.624 ± 276.117 $\chi^2/\text{NDF}: 14.1/9$

Left: -354.309 ± 194.991 $\chi^2/\text{NDF}: 22.5/20$

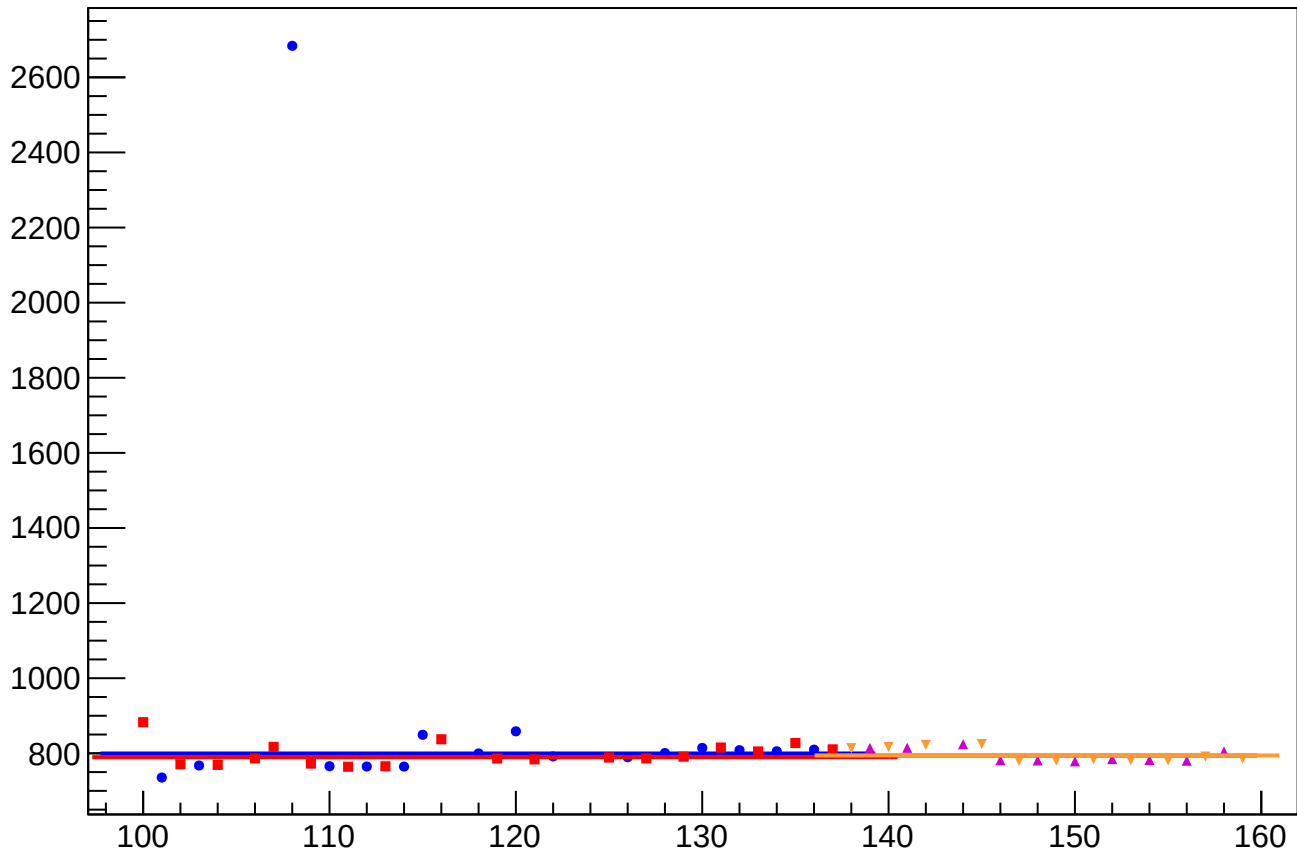
Right: -148.721 ± 216.034 $\chi^2/\text{NDF}: 21.5/33$

In: -405.763 ± 207.113 $\chi^2/\text{NDF}: 21.5/25$

Out: -124.757 ± 202.380 $\chi^2/\text{NDF}: 22.1/28$

All: -262.013 ± 144.749 $\chi^2/\text{NDF}: 44.5/54$

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 799.537 $\pm$ 0.221 χ^2 /NDF: 391185.9/15

Left Out: 794.312 $\pm$ 0.195 χ^2 /NDF: 7618.8/10

Right Out: 789.794 $\pm$ 0.211 χ^2 /NDF: 11174.9/17

Left In: 794.078 $\pm$ 0.195 χ^2 /NDF: 7321.0/9

Left: 794.195 $\pm$ 0.138 χ^2 /NDF: 14940.6/20

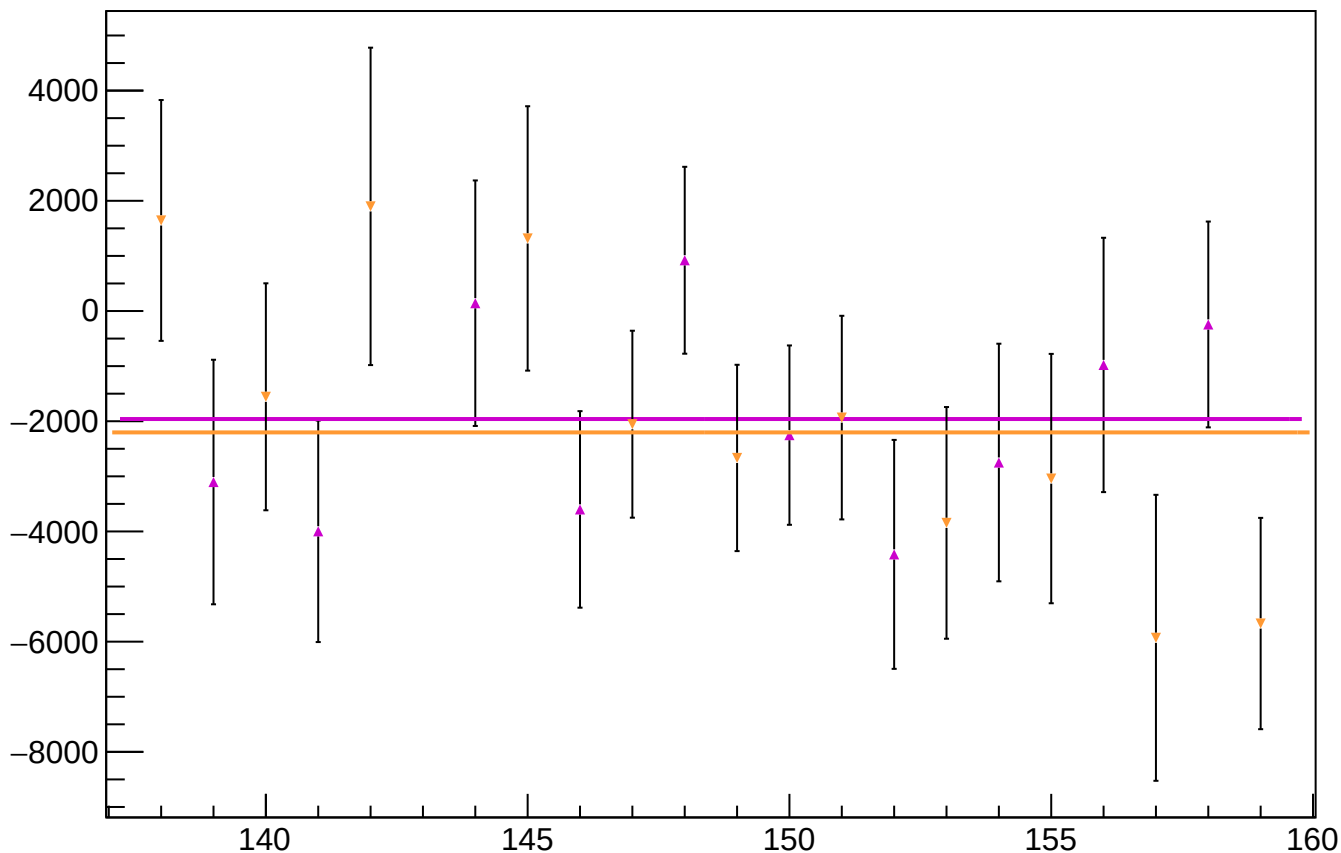
Right: 794.430 $\pm$ 0.153 χ^2 /NDF: 403375.5/33

In: 796.465 $\pm$ 0.146 χ^2 /NDF: 398848.9/25

Out: 792.234 $\pm$ 0.143 χ^2 /NDF: 19041.4/28

All: 794.301 $\pm$ 0.102 χ^2 /NDF: 418317.4/54

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -2202.753+/-623.529 χ^2/NDF :13.6/10

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

Left In: -1959.923+/-618.590 χ^2/NDF :8.5/9

Left: -2080.372+/-439.145 χ^2/NDF : 22.1/20

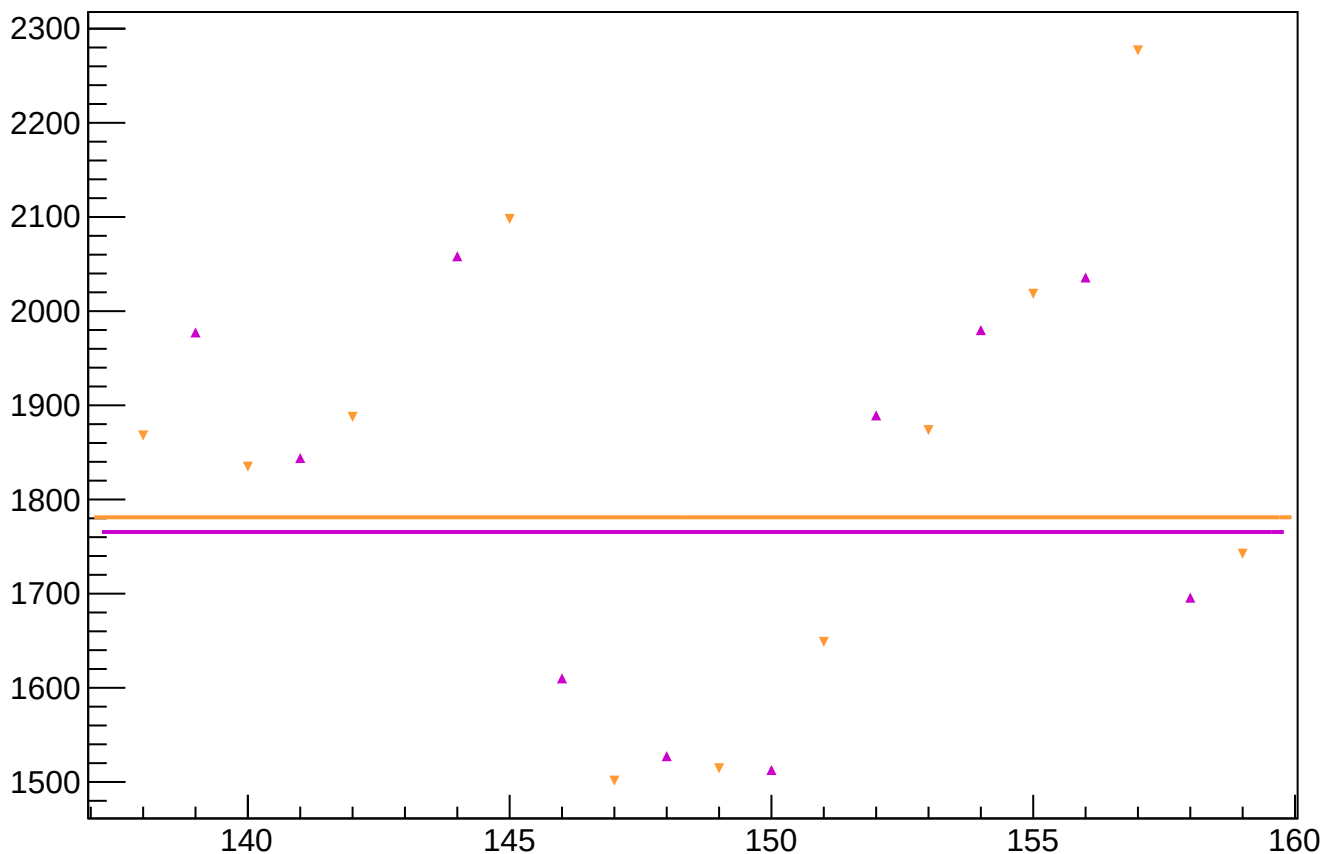
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1959.923+/-618.590 χ^2/NDF :8.5/9

Out: -2202.753+/-623.529 χ^2/NDF :13.6/10

All: -2080.372+/-439.145 χ^2/NDF : 22.1/20

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1781.081+/-0.441 χ^2/NDF :256236.8/10

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

Left In: 1765.495+/-0.437 χ^2/NDF :215824.9/9

Left: 1773.226+/-0.311 χ^2/NDF : 472691.5/20

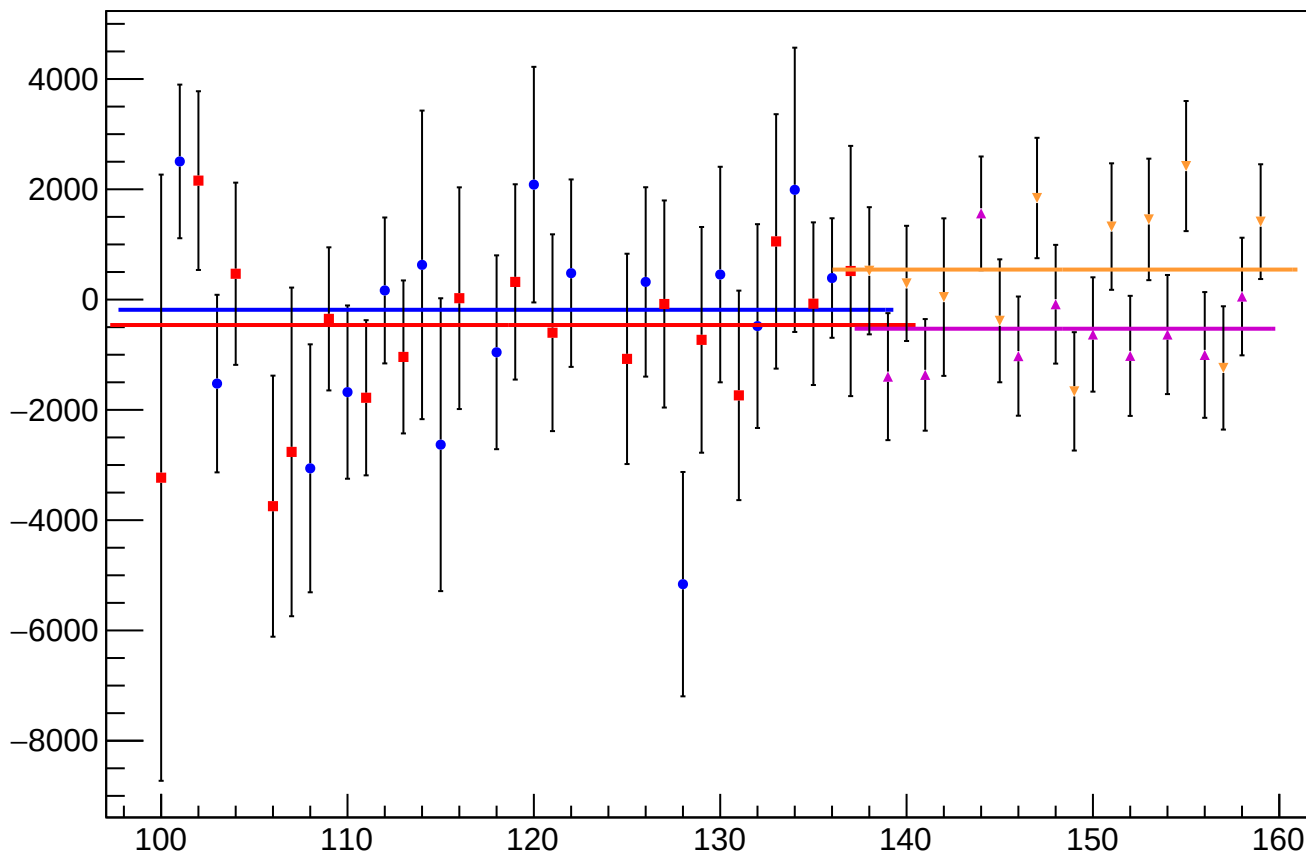
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1765.495+/-0.437 χ^2/NDF :215824.9/9

Out: 1781.081+/-0.441 χ^2/NDF :256236.8/10

All: 1773.226+/-0.311 χ^2/NDF : 472691.5/20

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 544.230 ± 339.104 χ^2/NDF : 13.4/10

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

Left In: -528.553 ± 339.633 χ^2/NDF : 6.5/9

Left: 8.673 ± 239.969 χ^2/NDF : 24.9/20

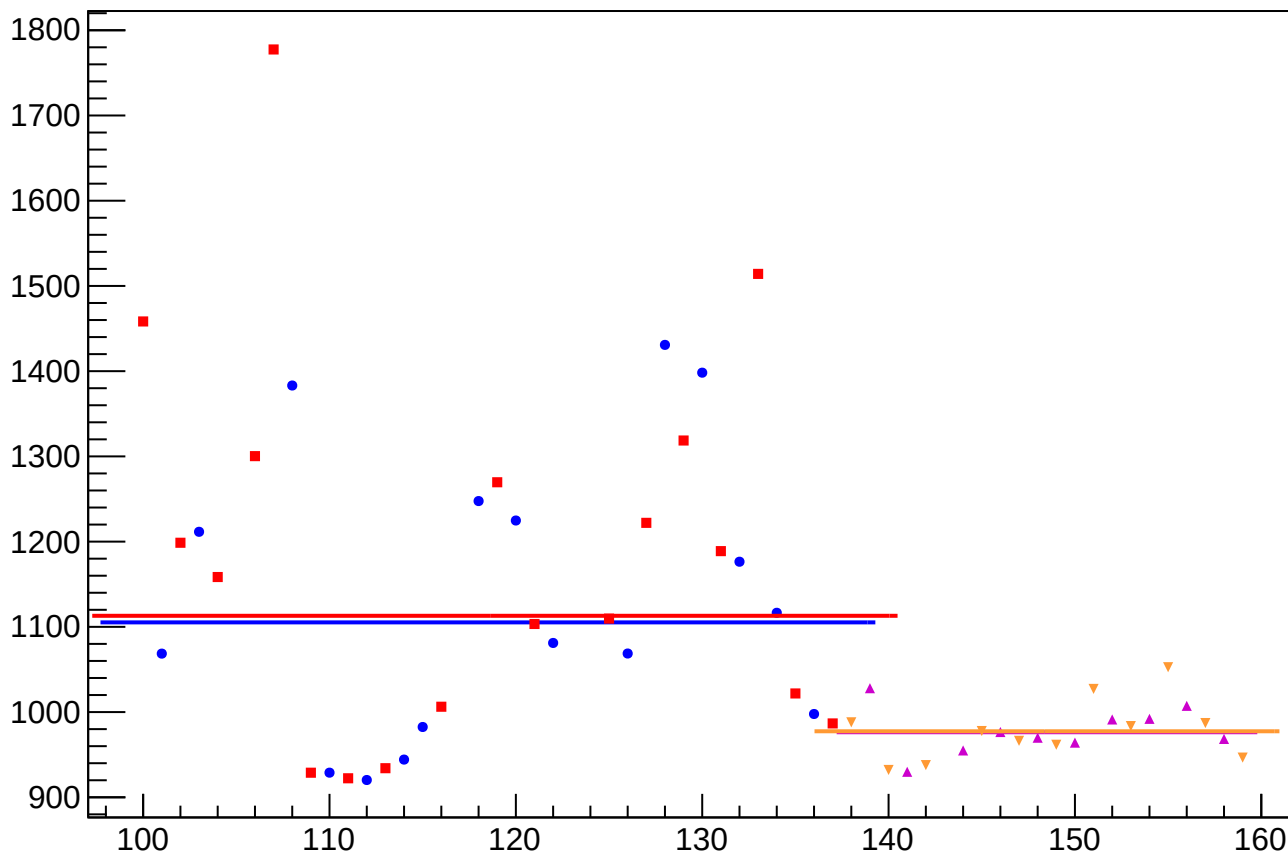
Right: -324.625 ± 303.483 χ^2/NDF : 25.2/33

In: -397.151 ± 266.879 χ^2/NDF : 23.5/25

Out: 155.261 ± 265.532 χ^2/NDF : 25.2/28

All: -119.548 ± 188.234 χ^2/NDF : 50.8/54

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1105.236 ± 0.305 $\chi^2/\text{NDF}: 255366.2/15$

Left Out: 977.471 ± 0.240 $\chi^2/\text{NDF}: 19974.4/10$

Right Out: 1112.974 ± 0.302 $\chi^2/\text{NDF}: 362995.4/17$

Left In: 976.341 ± 0.240 $\chi^2/\text{NDF}: 11824.9/9$

Left: 976.907 ± 0.170 $\chi^2/\text{NDF}: 31810.4/20$

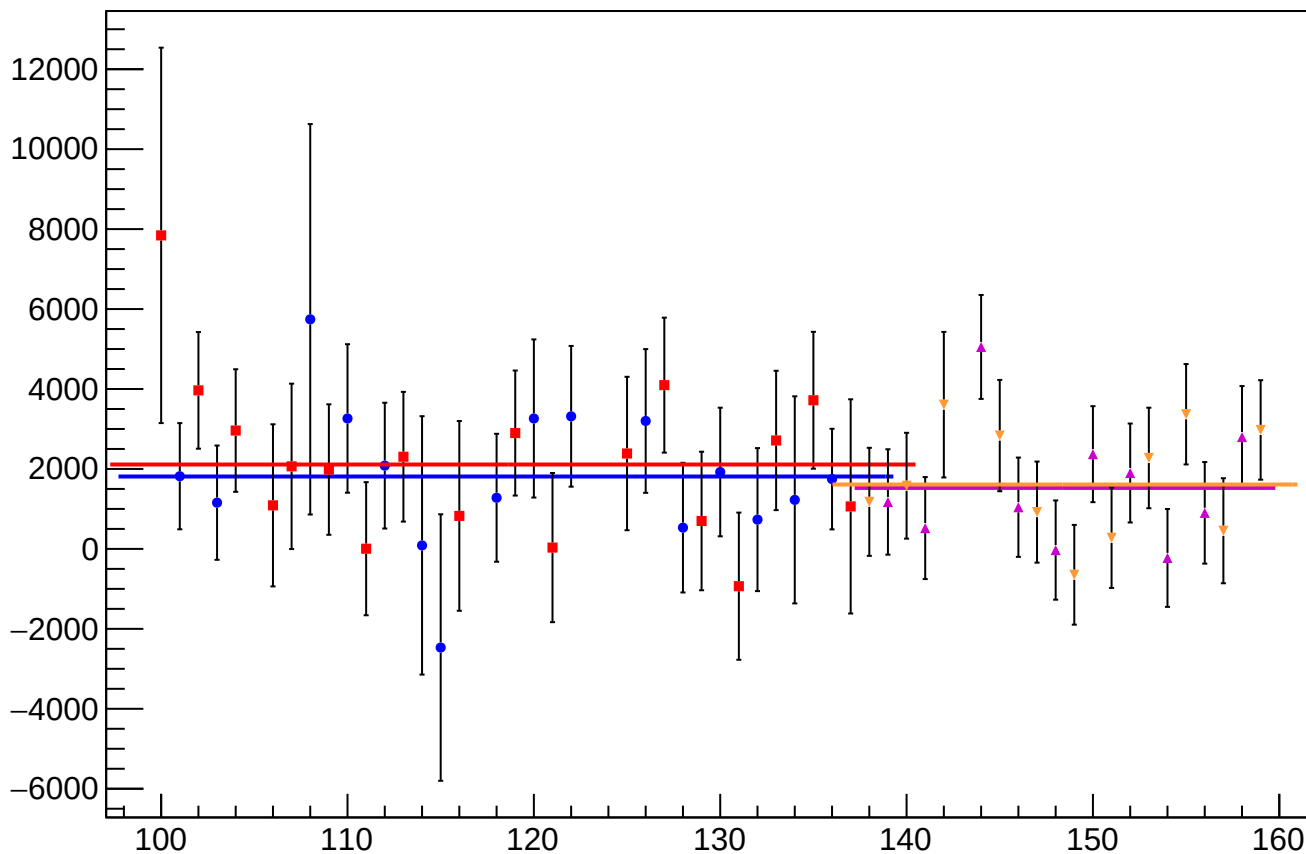
Right: 1109.146 ± 0.215 $\chi^2/\text{NDF}: 618686.6/33$

In: 1025.648 ± 0.189 $\chi^2/\text{NDF}: 377385.5/25$

Out: 1029.890 ± 0.188 $\chi^2/\text{NDF}: 506507.4/28$

All: 1027.780 ± 0.133 $\chi^2/\text{NDF}: 884146.9/54$

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1610.458 $\pm$ 397.454 χ^2/NDF : 11.0/10

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

Left In: 1525.487 $\pm$ 397.589 χ^2/NDF : 13.6/9

Left: 1567.987 $\pm$ 281.090 χ^2/NDF : 24.7/20

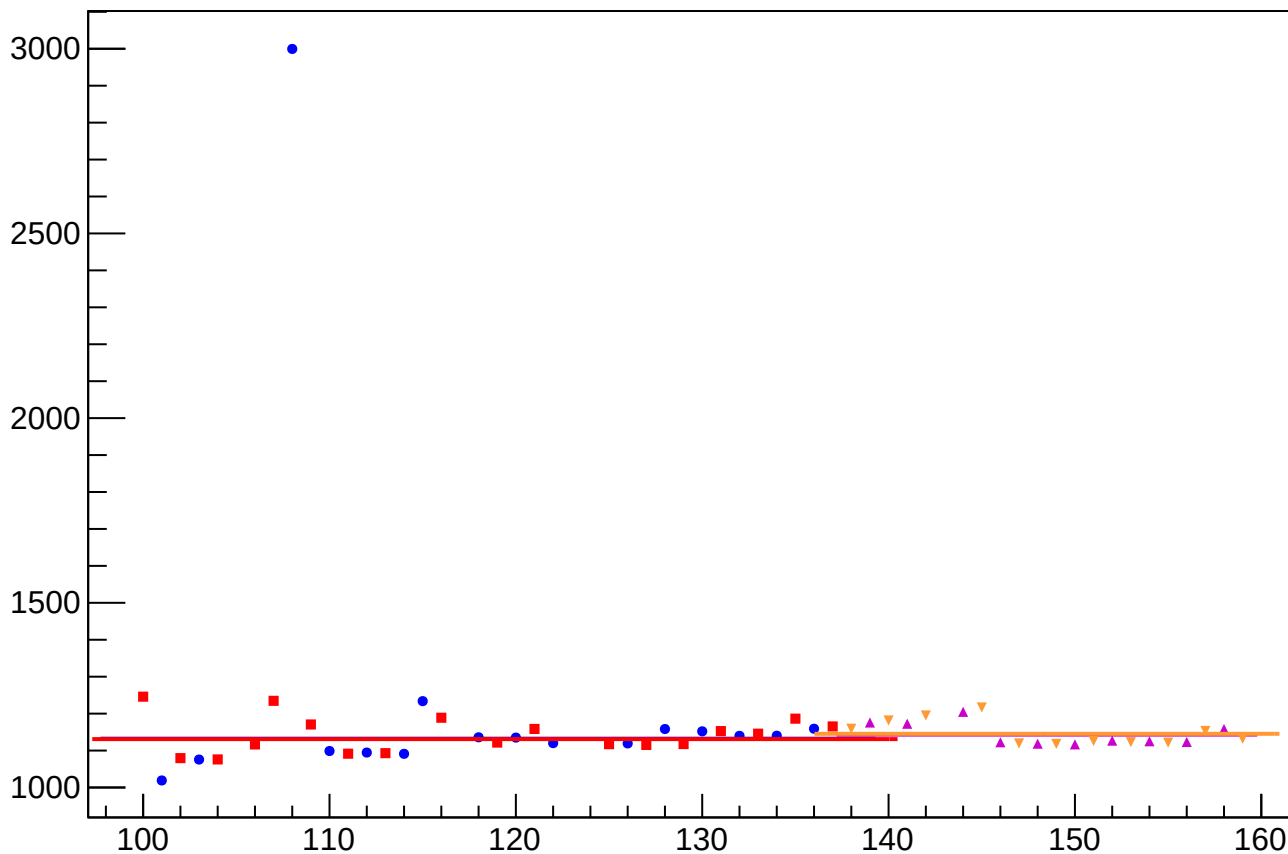
Right: 1966.016 $\pm$ 307.400 χ^2/NDF : 19.7/33

In: 1653.162 $\pm$ 295.638 χ^2/NDF : 20.3/25

Out: 1842.422 $\pm$ 291.141 χ^2/NDF : 24.8/28

All: 1749.242 $\pm$ 207.439 χ^2/NDF : 45.3/54

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1145.382+/-0.281 χ^2/NDF : 12395.5/10

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

Left In: 1143.185+/-0.281 χ^2/NDF : 10661.5/9

Left: 1144.284+/-0.199 χ^2/NDF : 23087.6/20

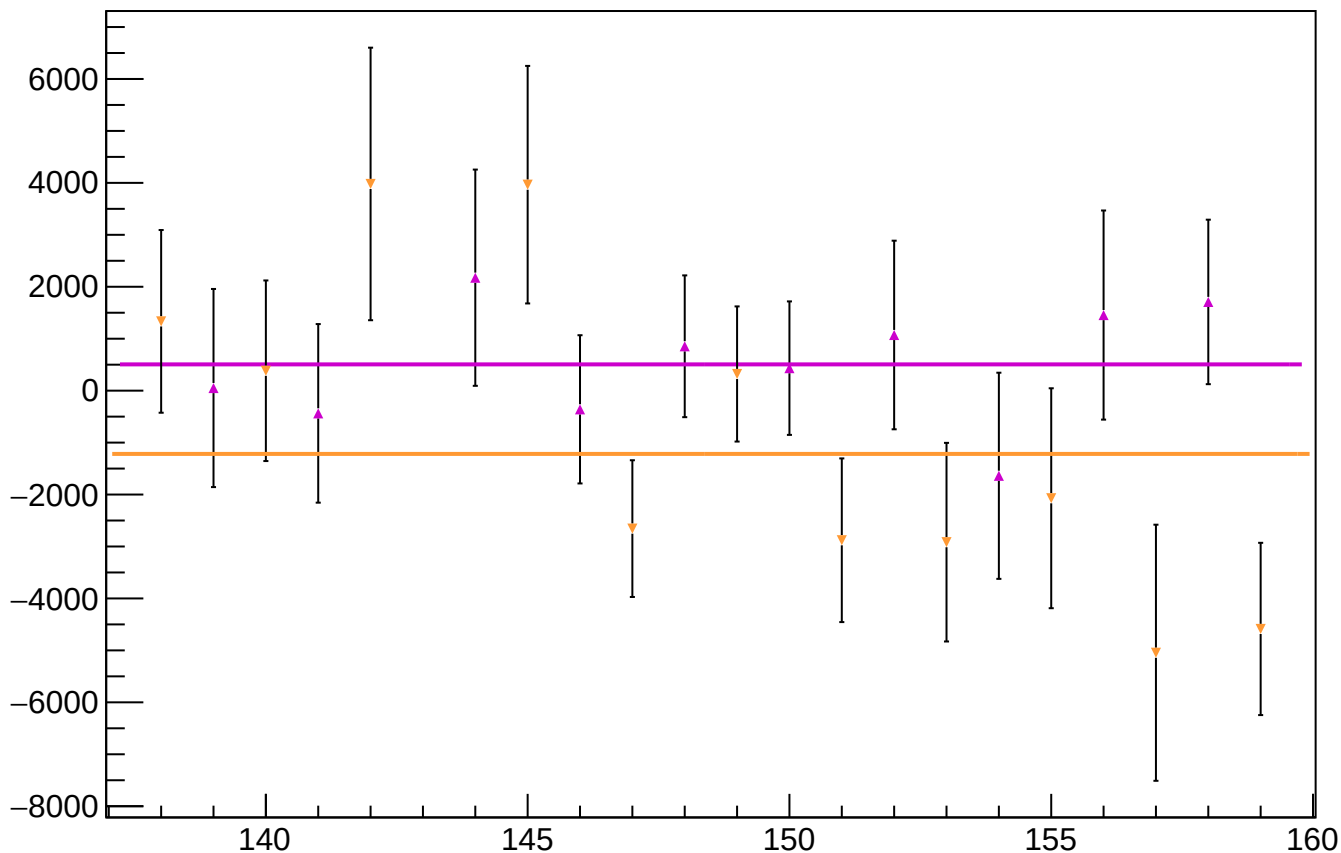
Right: 1131.528+/-0.217 χ^2/NDF : 335751.3/33

In: 1138.217+/-0.209 χ^2/NDF : 327386.0/25

Out: 1138.725+/-0.206 χ^2/NDF : 33325.5/28

All: 1138.475+/-0.147 χ^2/NDF : 360714.6/54

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -1217.824+/-527.999 χ^2/NDF :23.2/10

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

Left In: 505.735+/-521.207 χ^2/NDF :3.5/9

Left: -344.889+/-370.927 χ^2/NDF : 32.1/20

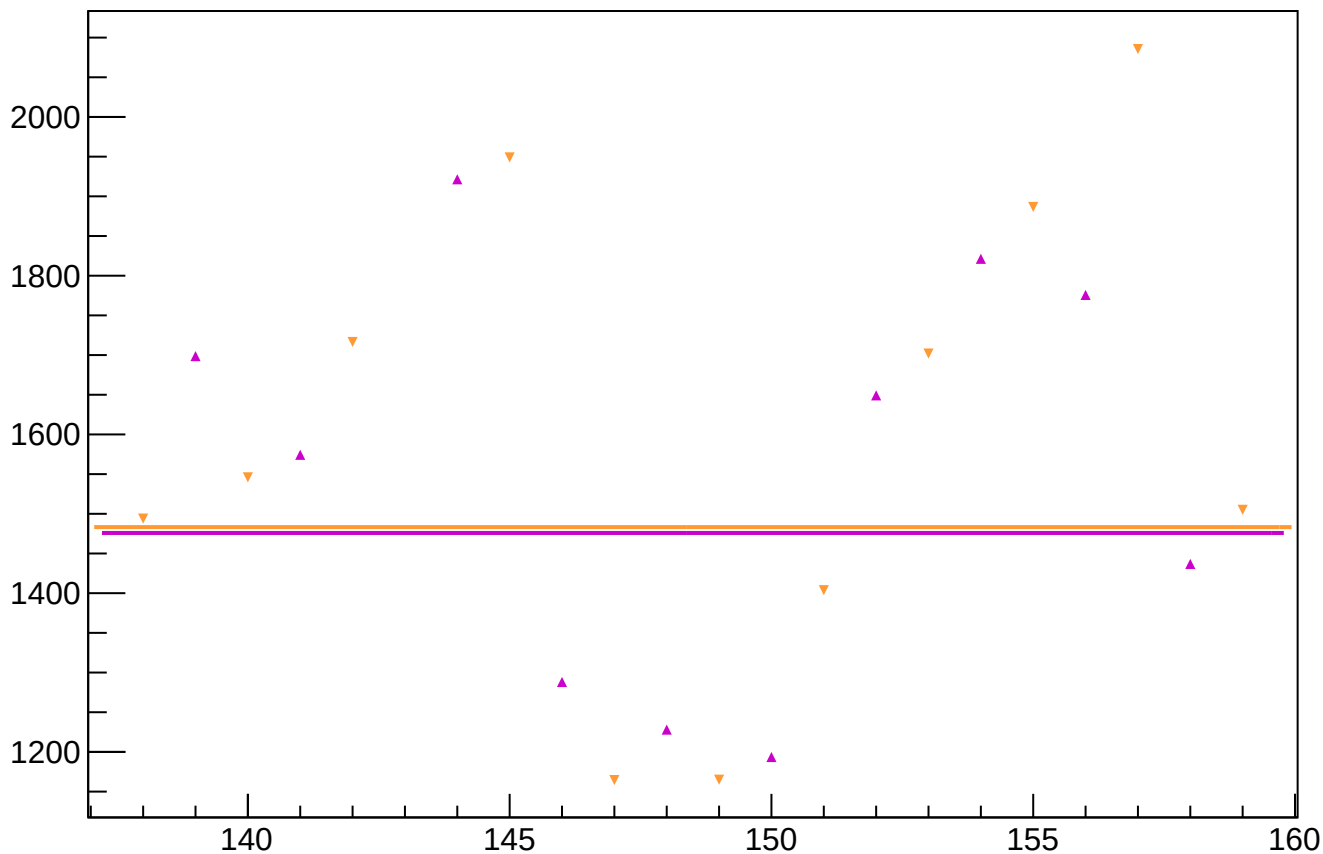
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 505.735+/-521.207 χ^2/NDF :3.5/9

Out: -1217.824+/-527.999 χ^2/NDF :23.2/10

All: -344.889+/-370.927 χ^2/NDF : 32.1/20

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1483.251+/-0.373 χ^2/NDF :562127.3/10

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

Left In: 1475.864+/-0.369 χ^2/NDF :447086.6/9

Left: 1479.510+/-0.262 χ^2/NDF : 1009412.1/20

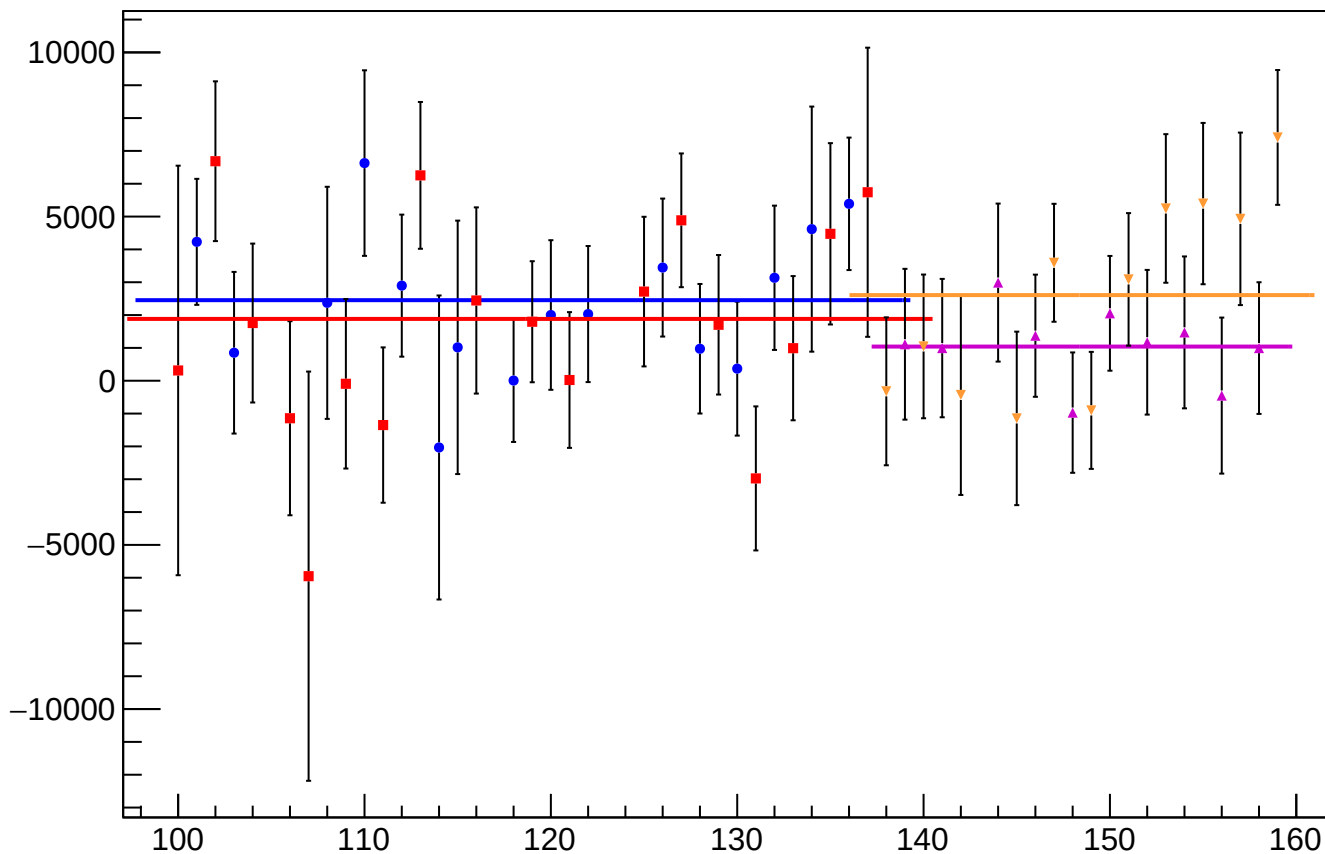
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1475.864+/-0.369 χ^2/NDF :447086.6/9

Out: 1483.251+/-0.373 χ^2/NDF :562127.3/10

All: 1479.510+/-0.262 χ^2/NDF : 1009412.1/20

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2608.269 $\pm$ 663.691 χ^2 /NDF:18.4/10

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

Left In: 1040.483 $\pm$ 656.509 χ^2 /NDF:2.7/9

Left: 1815.847 $\pm$ 466.740 χ^2 /NDF: 23.8/20

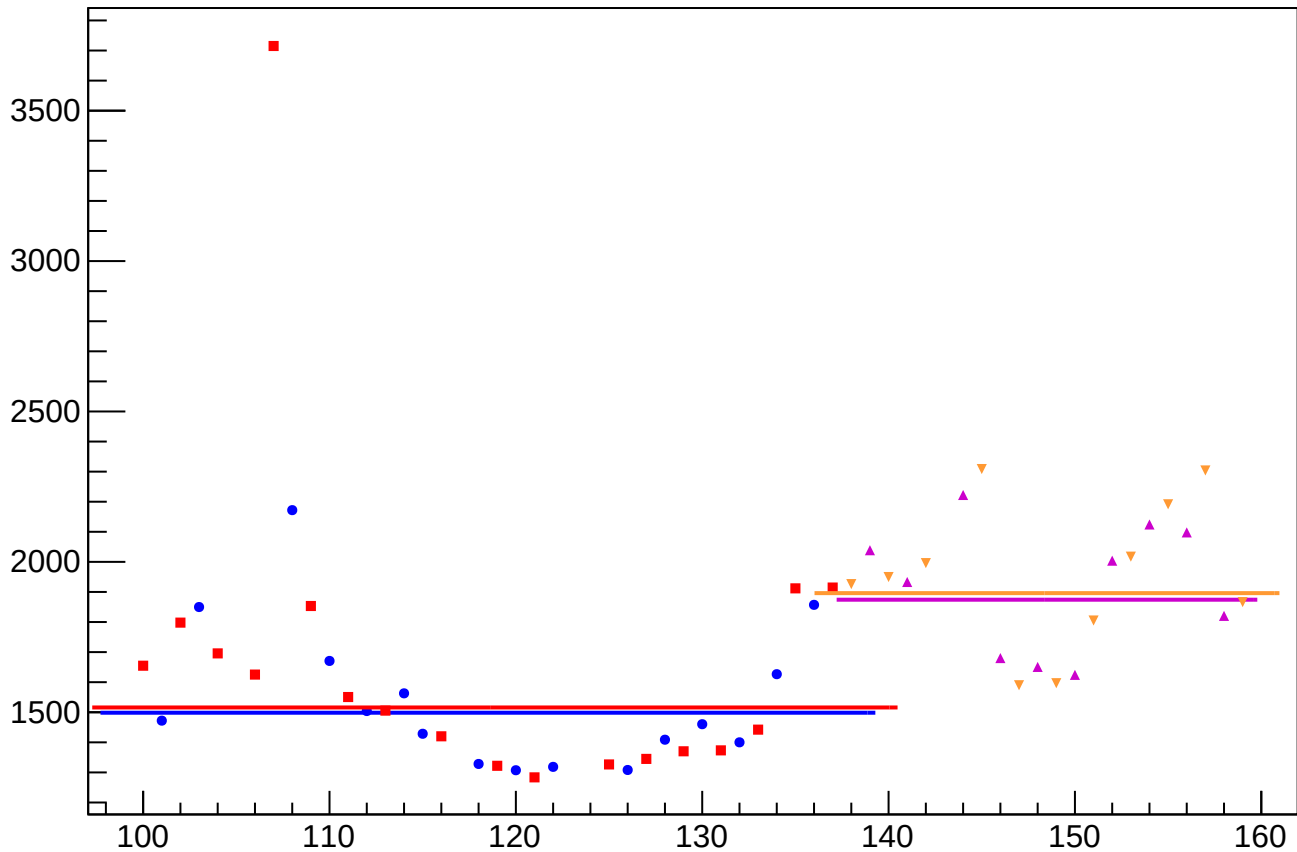
Right: 2167.665 $\pm$ 412.771 χ^2 /NDF: 34.0/33

In: 1829.031 $\pm$ 436.471 χ^2 /NDF:16.0/25

Out: 2198.865 $\pm$ 438.089 χ^2 /NDF:41.8/28

All: 2013.264 $\pm$ 309.202 χ^2 /NDF: 58.1/54

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1896.074+/-0.469 χ^2/NDF : 254403.0/10

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

Left In: 1874.193+/-0.464 χ^2/NDF : 195534.8/9

Left: 1885.014+/-0.330 χ^2/NDF : 451036.6/20

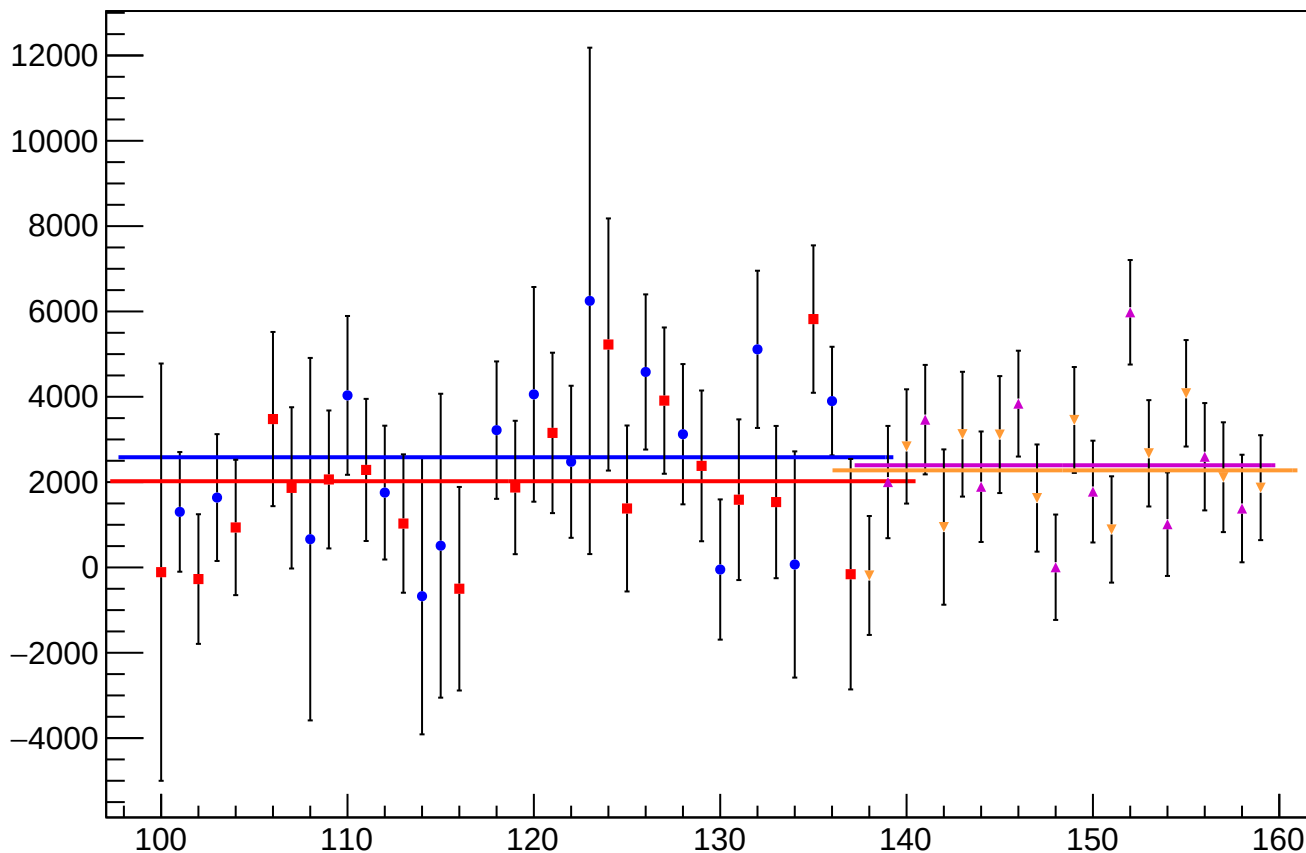
Right: 1507.233+/-0.292 χ^2/NDF : 740243.9/33

In: 1664.550+/-0.309 χ^2/NDF : 819834.4/25

Out: 1681.571+/-0.310 χ^2/NDF : 1105163.5/28

All: 1673.029+/-0.219 χ^2/NDF : 1926512.9/54

dit_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2275.708 $\pm$ 382.029 χ^2 /NDF:9.3/11

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

Left In: 2395.079 $\pm$ 395.413 χ^2 /NDF:16.8/9

Left: 2333.339 $\pm$ 274.745 χ^2 /NDF: 26.2/21

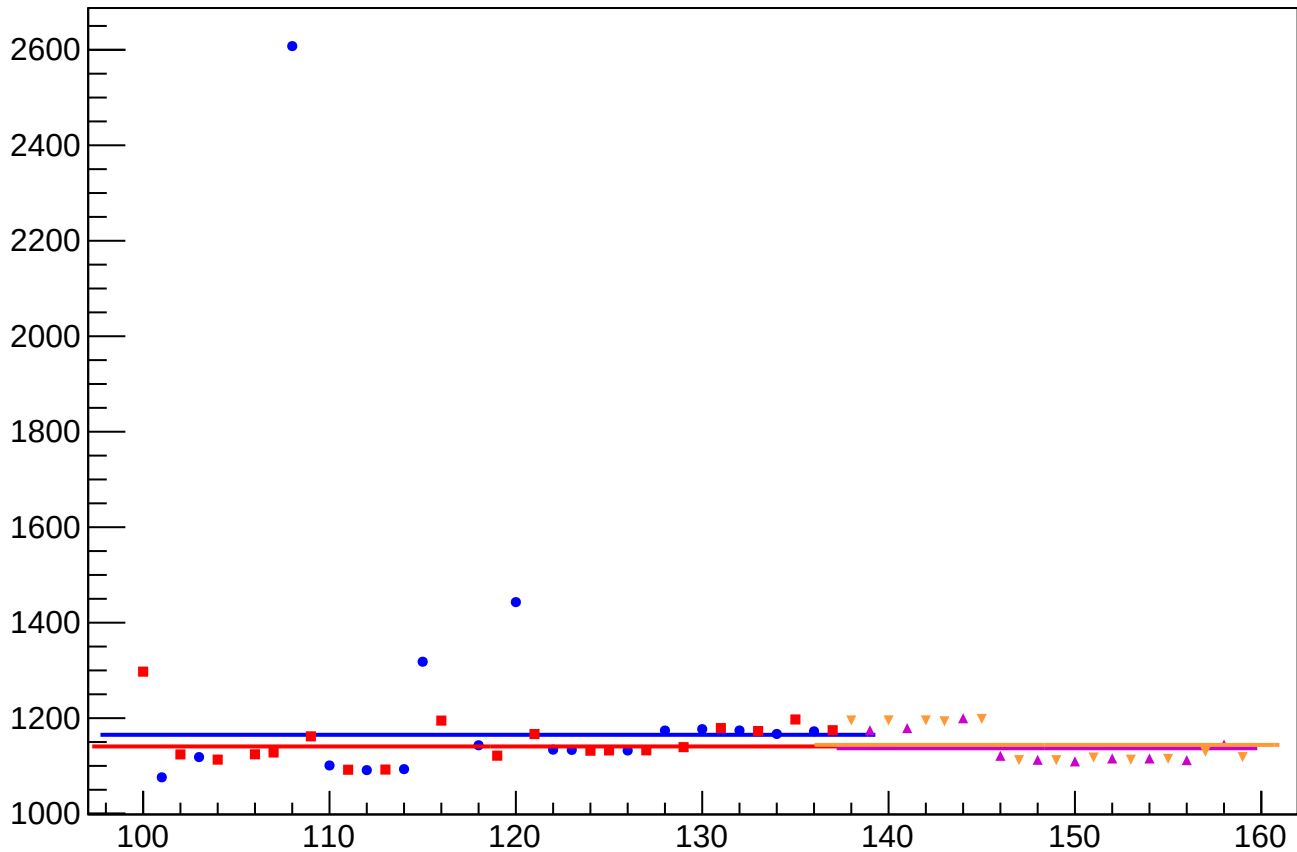
Right: 2284.984 $\pm$ 310.688 χ^2 /NDF: 26.6/35

In: 2476.298 $\pm$ 297.947 χ^2 /NDF:29.2/26

Out: 2162.279 $\pm$ 284.639 χ^2 /NDF:23.0/30

All: 2312.119 $\pm$ 205.814 χ^2 /NDF: 52.8/57

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1165.146 ± 0.320 χ^2/NDF : 278570.1/16

Left Out: 1143.988 ± 0.270 χ^2/NDF : 19608.6/11

Right Out: 1140.752 ± 0.302 χ^2/NDF : 12717.7/18

Left In: 1136.947 ± 0.280 χ^2/NDF : 12759.7/9

Left: 1140.589 ± 0.194 χ^2/NDF : 32696.2/21

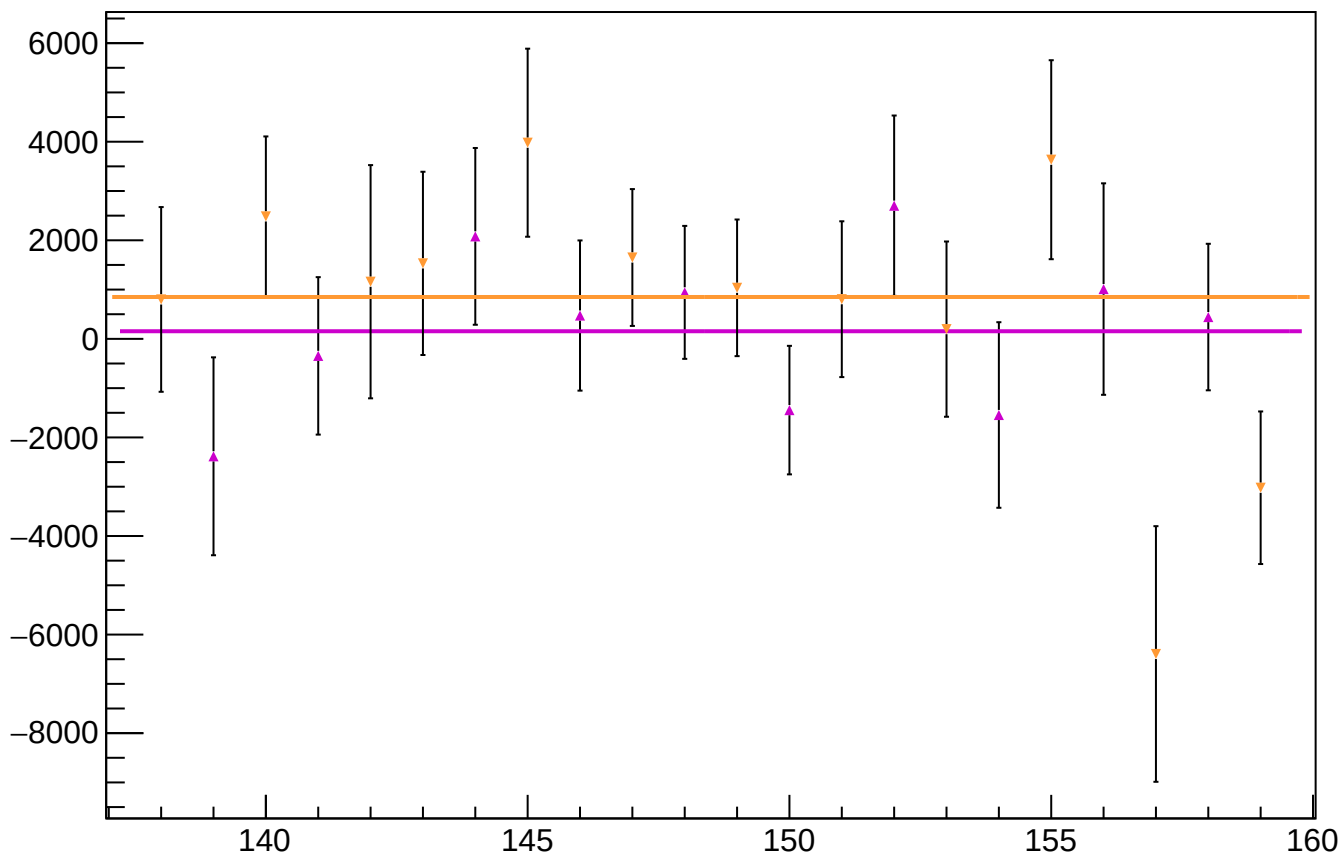
Right: 1152.217 ± 0.220 χ^2/NDF : 294359.2/35

In: 1149.136 ± 0.211 χ^2/NDF : 295726.2/26

Out: 1142.548 ± 0.201 χ^2/NDF : 32390.1/30

All: 1145.692 ± 0.146 χ^2/NDF : 328627.5/57

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 849.418+/-501.584 χ^2/NDF :20.3/11

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

Left In: 154.634+/-515.014 χ^2/NDF :7.7/9

Left: 511.203+/-359.328 χ^2/NDF : 28.9/21

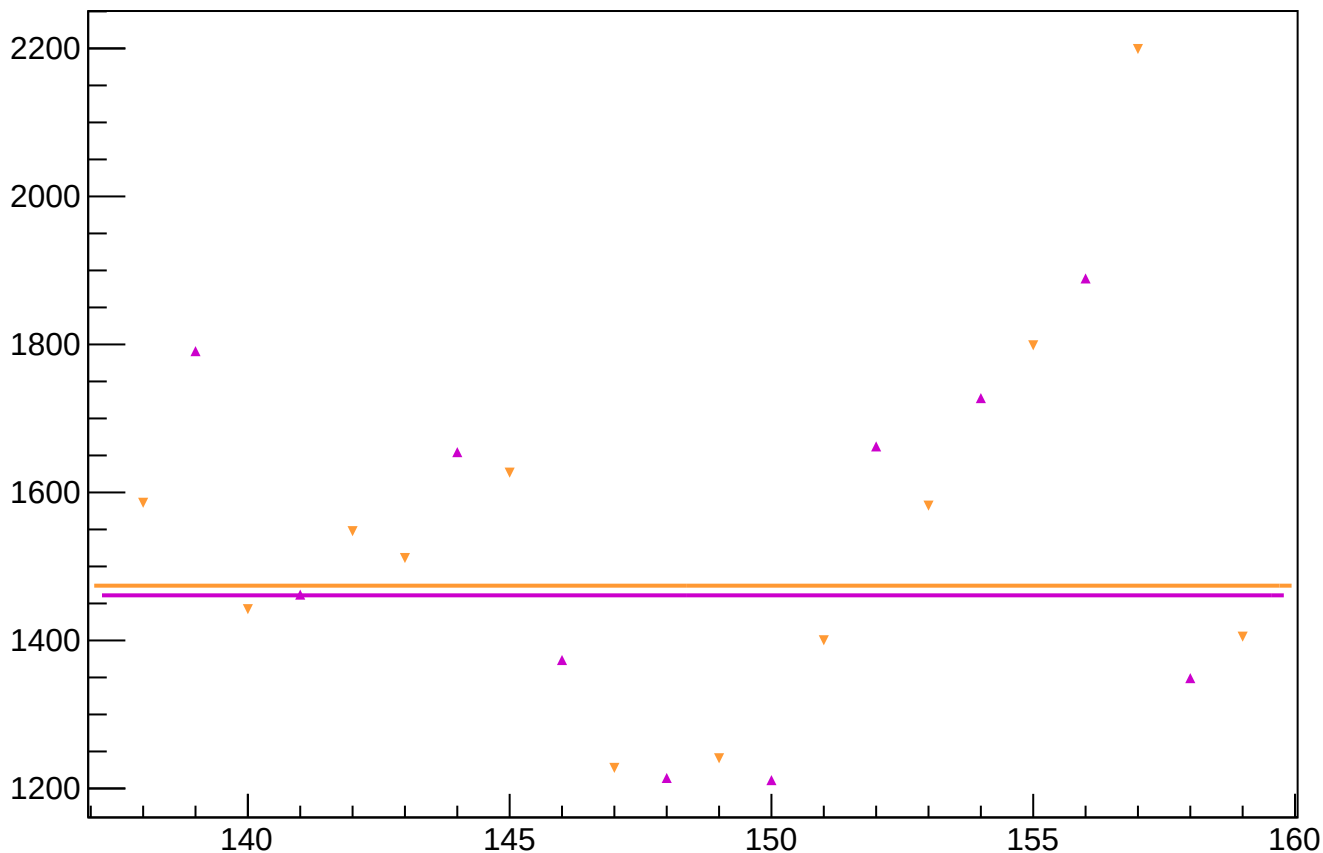
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 154.634+/-515.014 χ^2/NDF :7.7/9

Out: 849.418+/-501.584 χ^2/NDF :20.3/11

All: 511.203+/-359.328 χ^2/NDF : 28.9/21

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1474.030+/-0.355 χ^2/NDF :366889.8/11

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

Left In: 1460.962+/-0.364 χ^2/NDF :379456.6/9

Left: 1467.669+/-0.254 χ^2/NDF : 747007.2/21

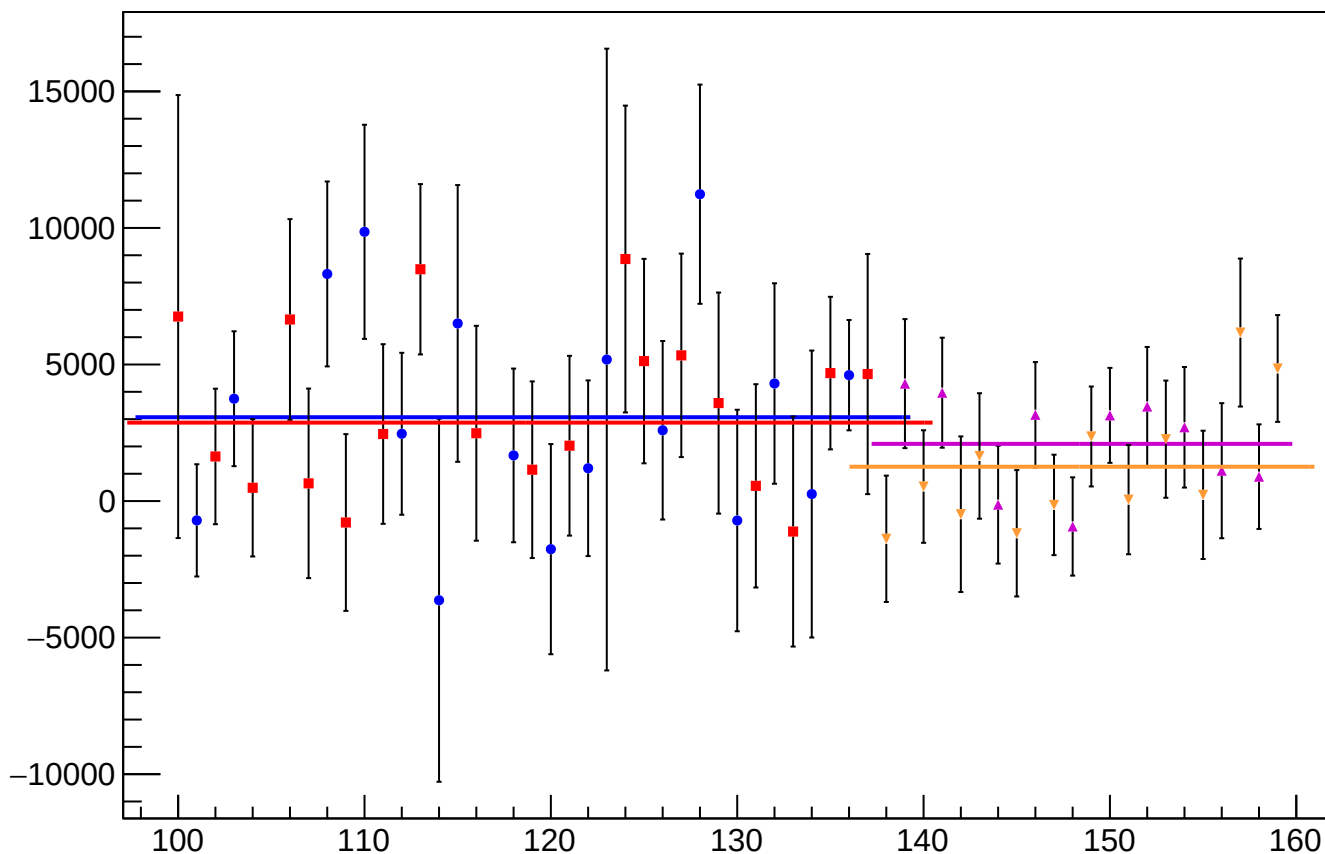
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1460.962+/-0.364 χ^2/NDF :379456.6/9

Out: 1474.030+/-0.355 χ^2/NDF :366889.8/11

All: 1467.669+/-0.254 χ^2/NDF : 747007.2/21

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1257.056 $\pm$ 624.655 χ^2 /NDF: 11.3/11

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

Left In: 2094.250 $\pm$ 645.428 χ^2 /NDF: 7.3/9

Left: 1661.964 $\pm$ 448.862 χ^2 /NDF: 19.5/21

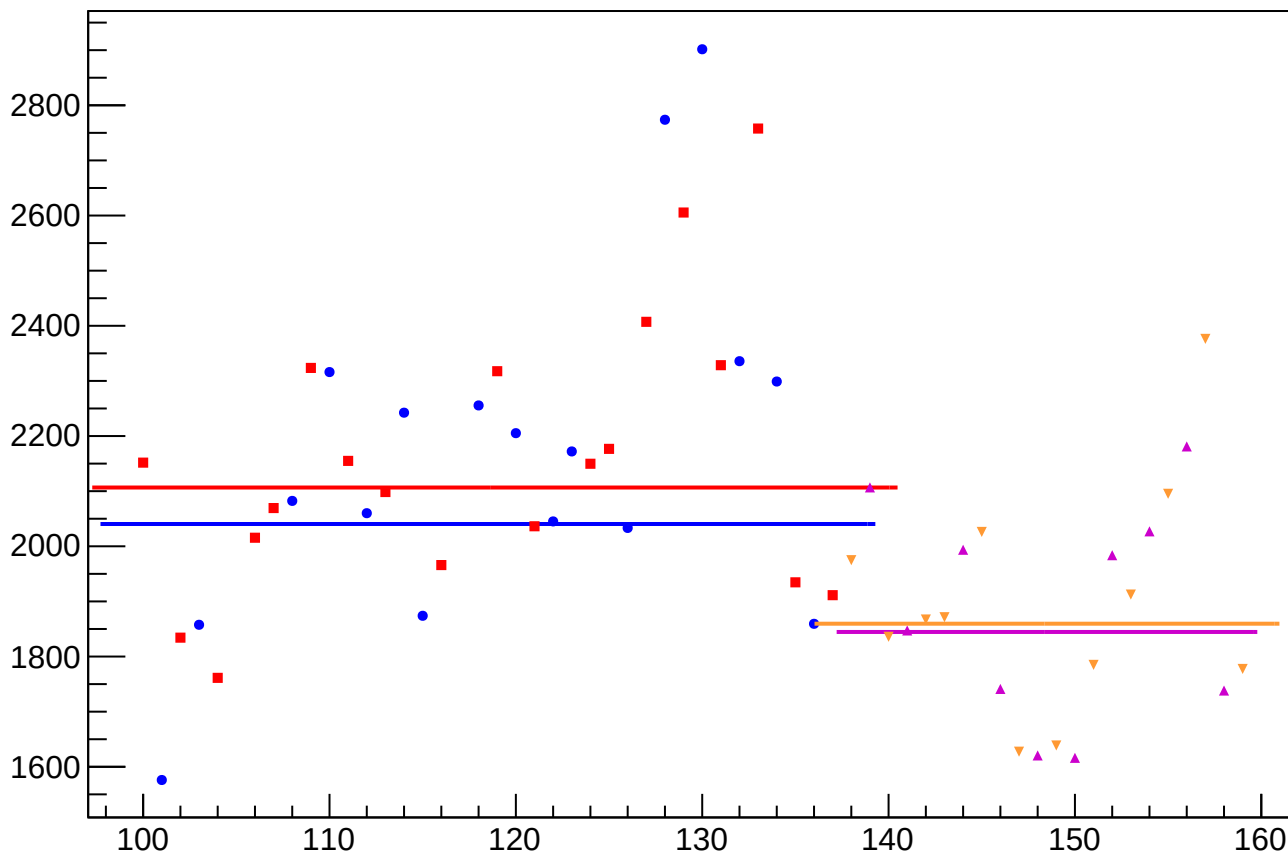
Right: 2970.754 $\pm$ 563.242 χ^2 /NDF: 30.1/35

In: 2480.075 $\pm$ 501.767 χ^2 /NDF: 26.7/26

Out: 1873.398 $\pm$ 491.257 χ^2 /NDF: 25.5/30

All: 2170.316 $\pm$ 351.028 χ^2 /NDF: 52.9/57

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1859.575+/-0.442 χ^2/NDF :177102.2/11

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

Left In: 1844.588+/-0.456 χ^2/NDF :170464.3/9

Left: 1852.327+/-0.317 χ^2/NDF : 348123.3/21

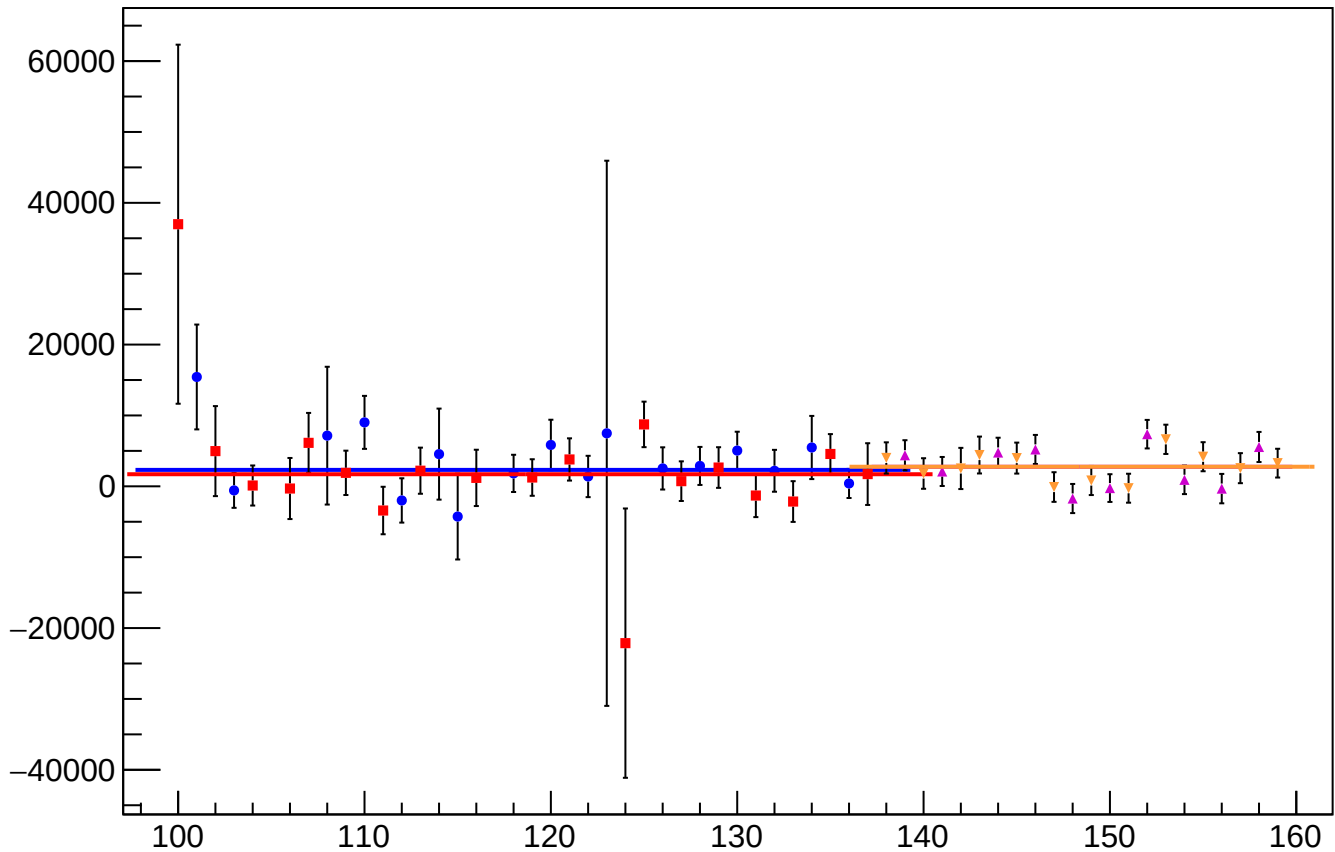
Right: 2073.628+/-0.398 χ^2/NDF : 533659.8/35

In: 1922.069+/-0.355 χ^2/NDF :574656.1/26

Out: 1953.825+/-0.347 χ^2/NDF :491864.1/30

All: 1938.283+/-0.248 χ^2/NDF : 1070610.5/57

dit_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2763.138 $\pm$ 627.374 χ^2 /NDF:10.3/11

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

Left In: 2752.362 $\pm$ 649.228 χ^2 /NDF:20.1/9

Left: 2757.934 $\pm$ 451.149 χ^2 /NDF: 30.4/21

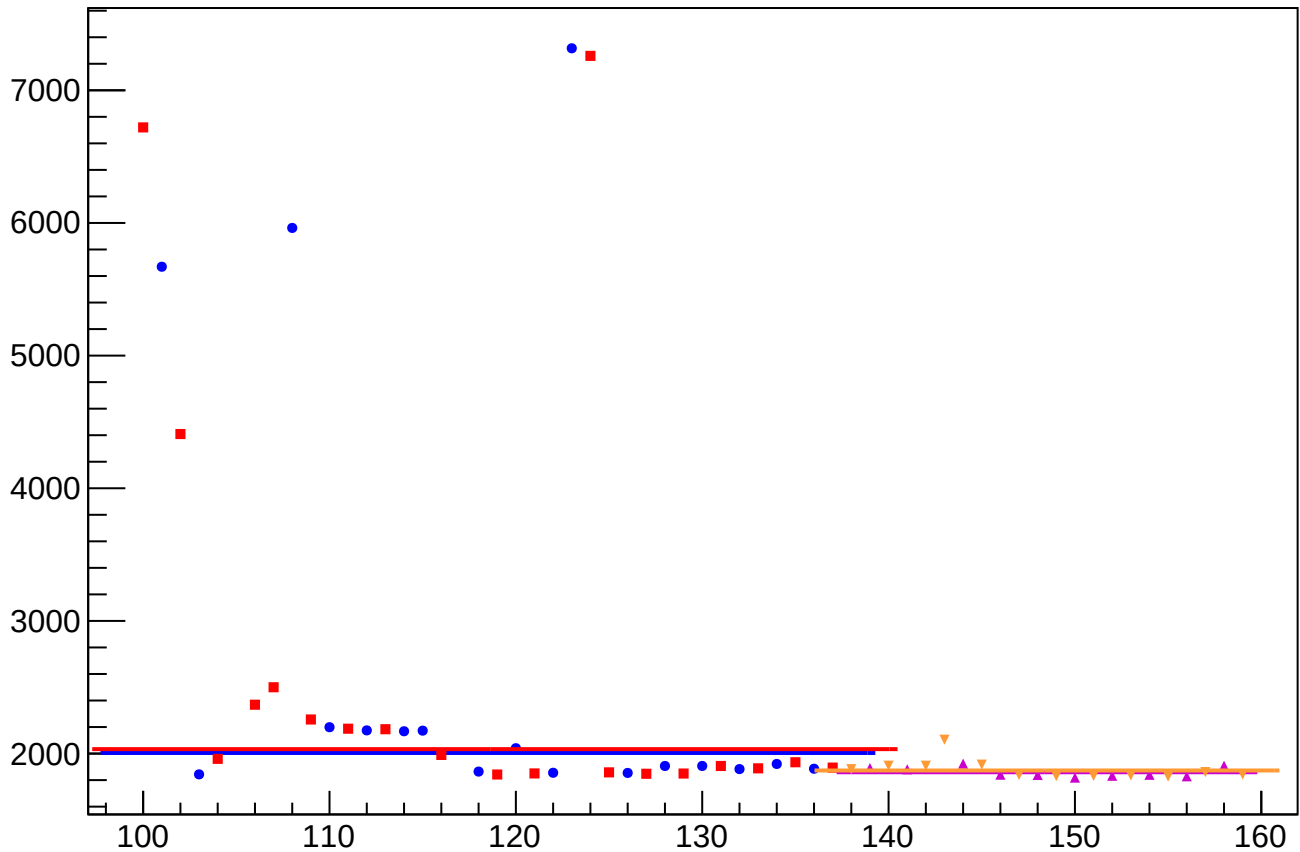
Right: 2005.073 $\pm$ 560.015 χ^2 /NDF: 32.3/35

In: 2580.671 $\pm$ 504.473 χ^2 /NDF:35.1/26

Out: 2349.524 $\pm$ 489.562 χ^2 /NDF:28.5/30

All: 2461.631 $\pm$ 351.326 χ^2 /NDF: 63.8/57

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2004.551+/-0.567 χ^2/NDF : 916013.4/16

Left Out: 1872.548+/-0.444 χ^2/NDF : 21996.4/11

Right Out: 2033.490+/-0.554 χ^2/NDF : 611009.8/18

Left In: 1859.266+/-0.459 χ^2/NDF : 5863.7/9

Left: 1866.135+/-0.319 χ^2/NDF : 28293.0/21

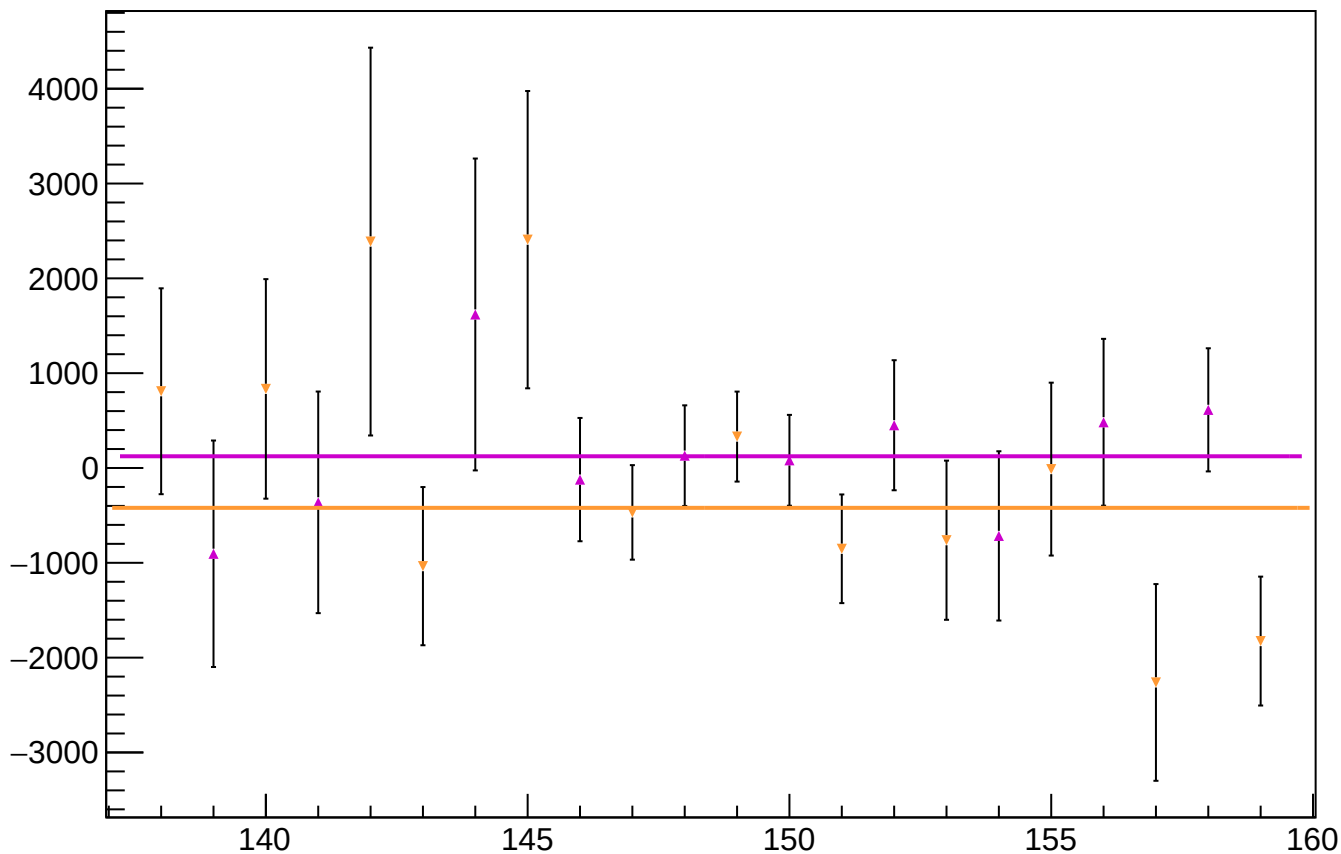
Right: 2019.360+/-0.396 χ^2/NDF : 1528357.7/35

In: 1916.830+/-0.357 χ^2/NDF : 961560.5/26

Out: 1935.489+/-0.346 χ^2/NDF : 684479.0/30

All: 1926.440+/-0.248 χ^2/NDF : 1647448.5/57

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -420.297+/-218.720 χ^2/NDF :19.0/11

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

Left In: 123.571+/-228.665 χ^2/NDF :3.7/9

Left: -160.447+/-158.057 χ^2/NDF : 25.7/21

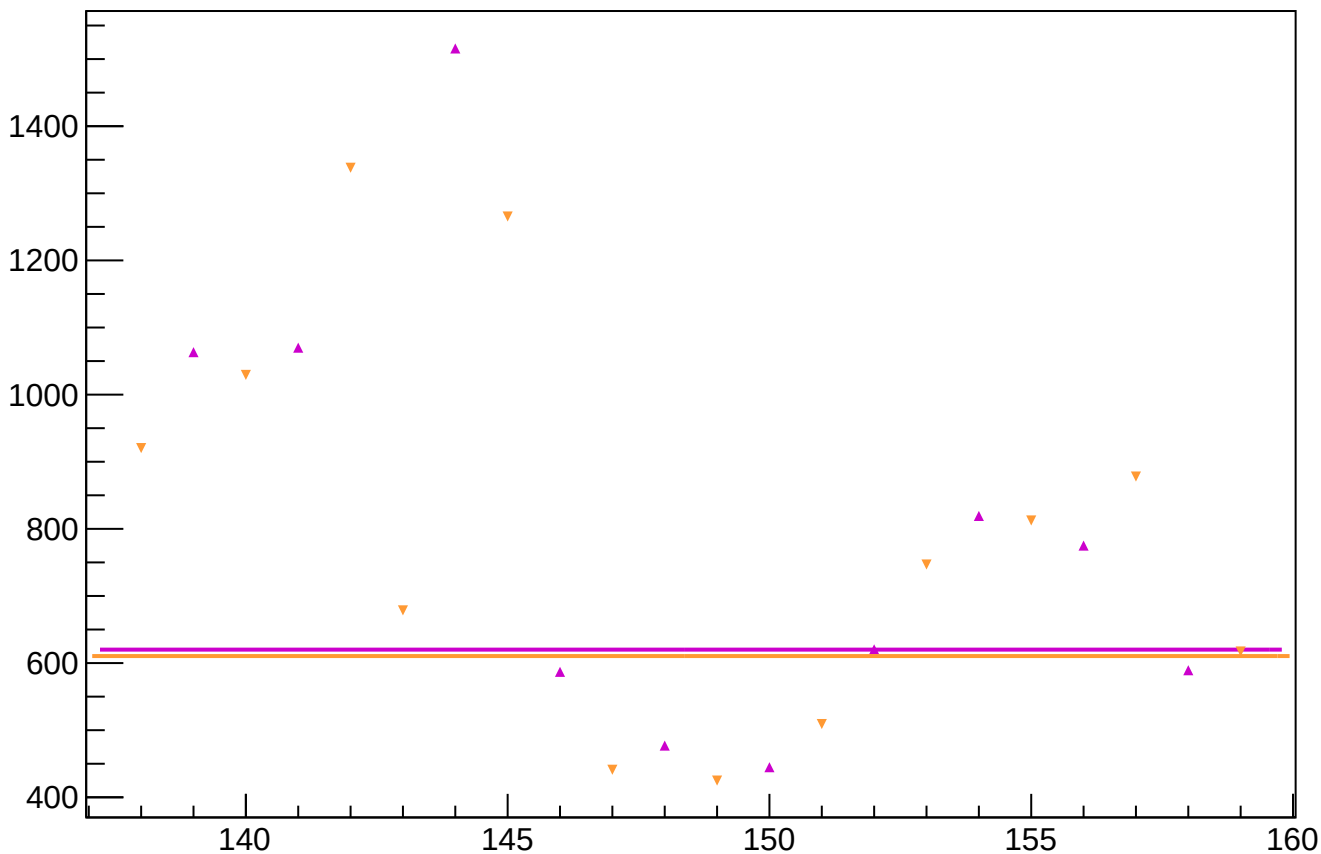
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 123.571+/-228.665 χ^2/NDF :3.7/9

Out: -420.297+/-218.720 χ^2/NDF :19.0/11

All: -160.447+/-158.057 χ^2/NDF : 25.7/21

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 610.454+/-0.155 χ^2/NDF :1923880.1/11

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

Left In: 620.046+/-0.162 χ^2/NDF :1749543.2/9

Left: 615.037+/-0.112 χ^2/NDF : 3675261.1/21

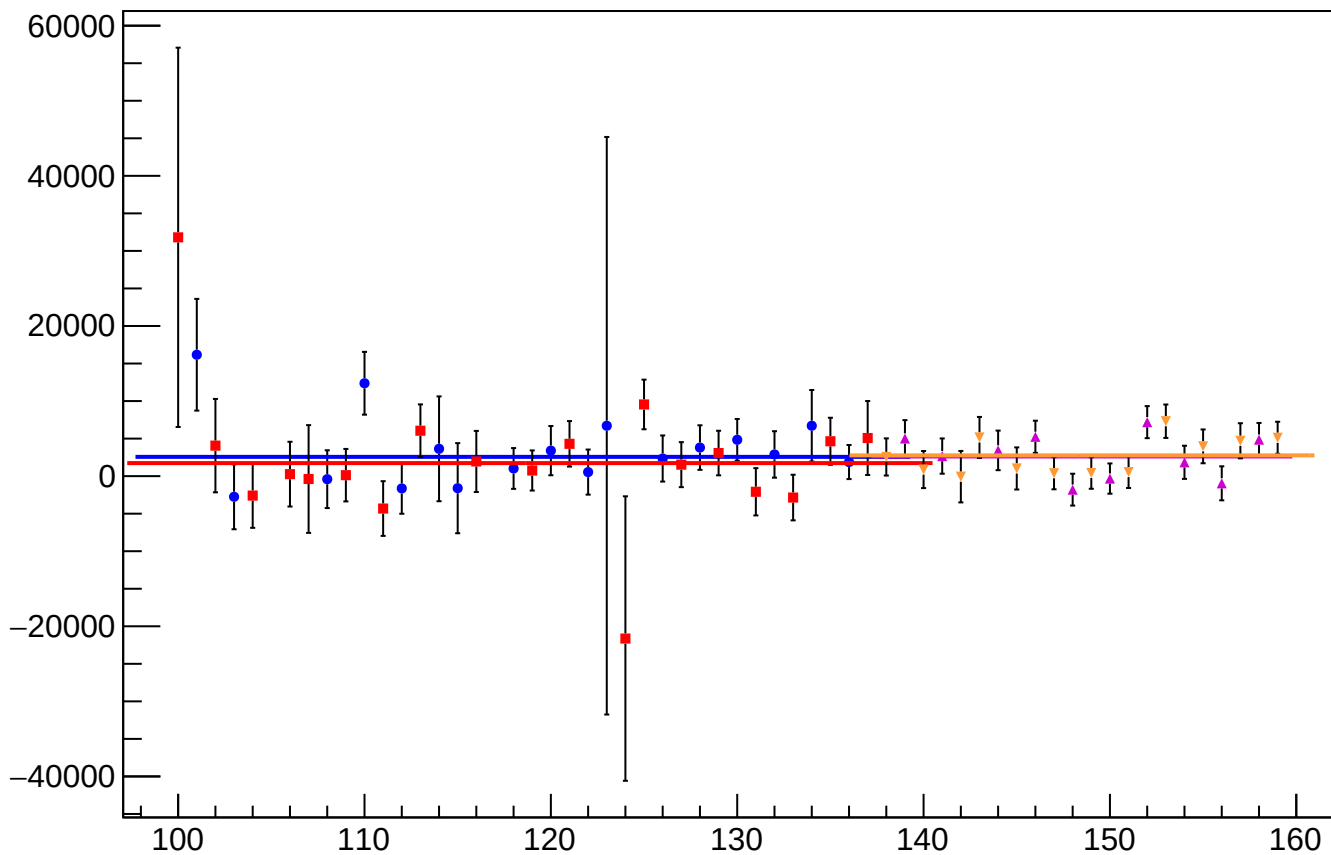
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 620.046+/-0.162 χ^2/NDF :1749543.2/9

Out: 610.454+/-0.155 χ^2/NDF :1923880.1/11

All: 615.037+/-0.112 χ^2/NDF : 3675261.1/21

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2764.420 $\pm$ 683.471 χ^2 /NDF:12.4/11

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

Left In: 2617.510 $\pm$ 706.708 χ^2 /NDF:17.3/9

Left: 2693.420 $\pm$ 491.297 χ^2 /NDF: 29.7/21

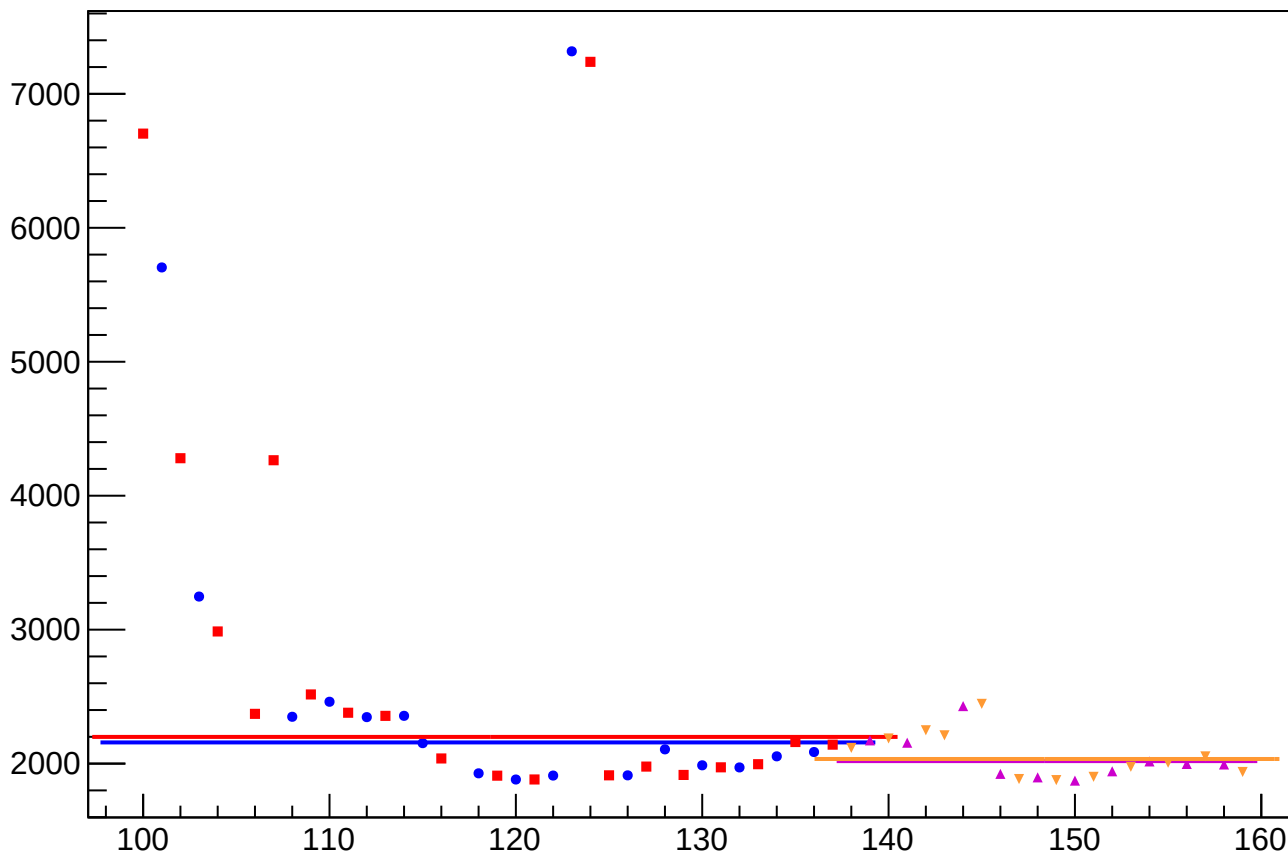
Right: 2150.830 $\pm$ 604.316 χ^2 /NDF: 36.5/35

In: 2596.957 $\pm$ 545.000 χ^2 /NDF:32.8/26

Out: 2363.080 $\pm$ 533.419 χ^2 /NDF:33.8/30

All: 2477.507 $\pm$ 381.213 χ^2 /NDF: 66.7/57

asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 2034.491 $\pm$ 0.483 χ^2 /NDF:103990.4/11

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

Left In: 2018.680 $\pm$ 0.500 χ^2 /NDF:87313.8/9

Left: 2026.850 $\pm$ 0.347 χ^2 /NDF: 191821.6/21

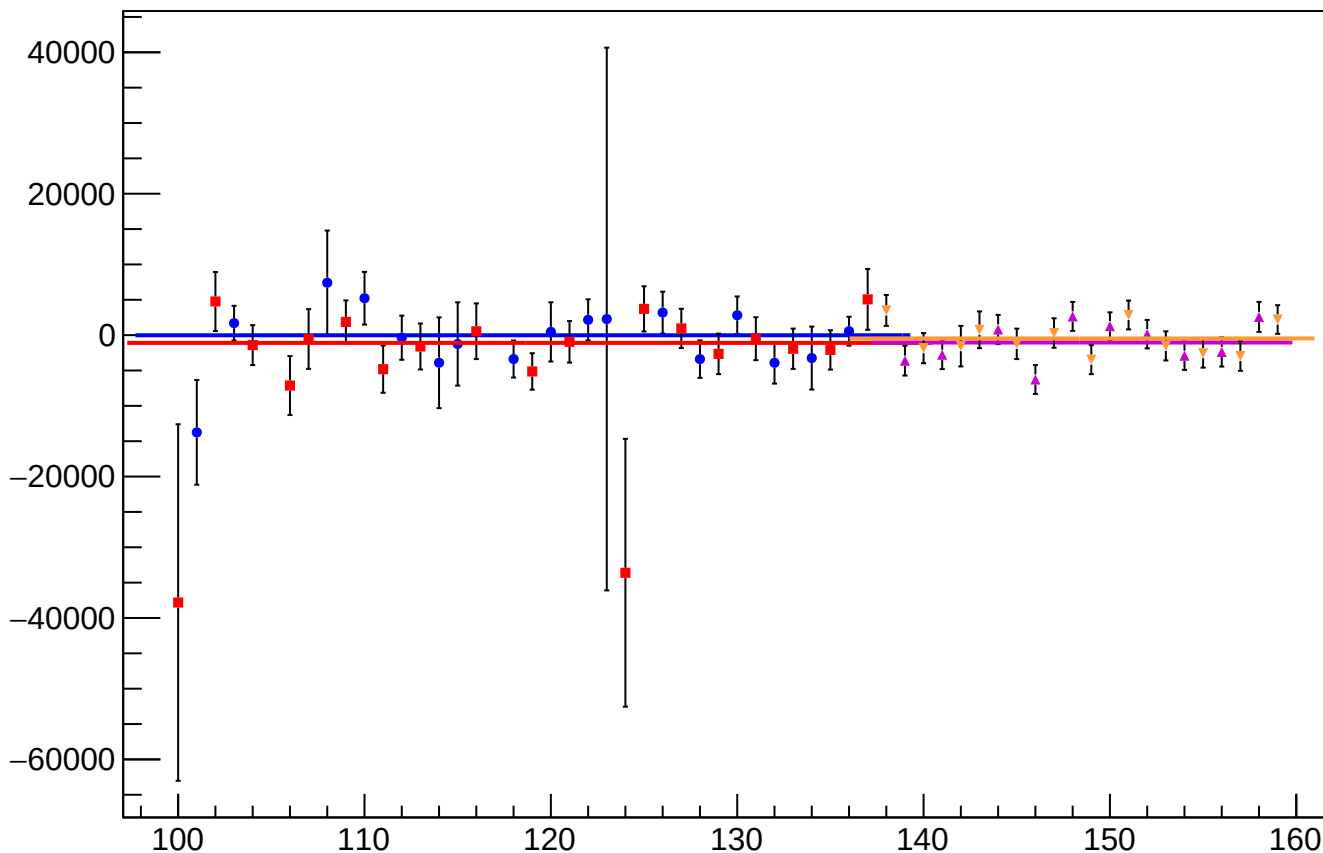
Right: 2178.816 $\pm$ 0.427 χ^2 /NDF: 1519207.5/35

In: 2075.204 $\pm$ 0.385 χ^2 /NDF:832744.8/26

Out: 2098.930 $\pm$ 0.377 χ^2 /NDF:952493.6/30

All: 2087.322 $\pm$ 0.270 χ^2 /NDF: 1787174.5/57

dit_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -463.078+/-623.981 χ^2/NDF : 13.5/11

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

Left In: -1045.101+/-646.527 χ^2/NDF : 18.7/9

Left: -743.764+/-448.980 χ^2/NDF : 32.7/21

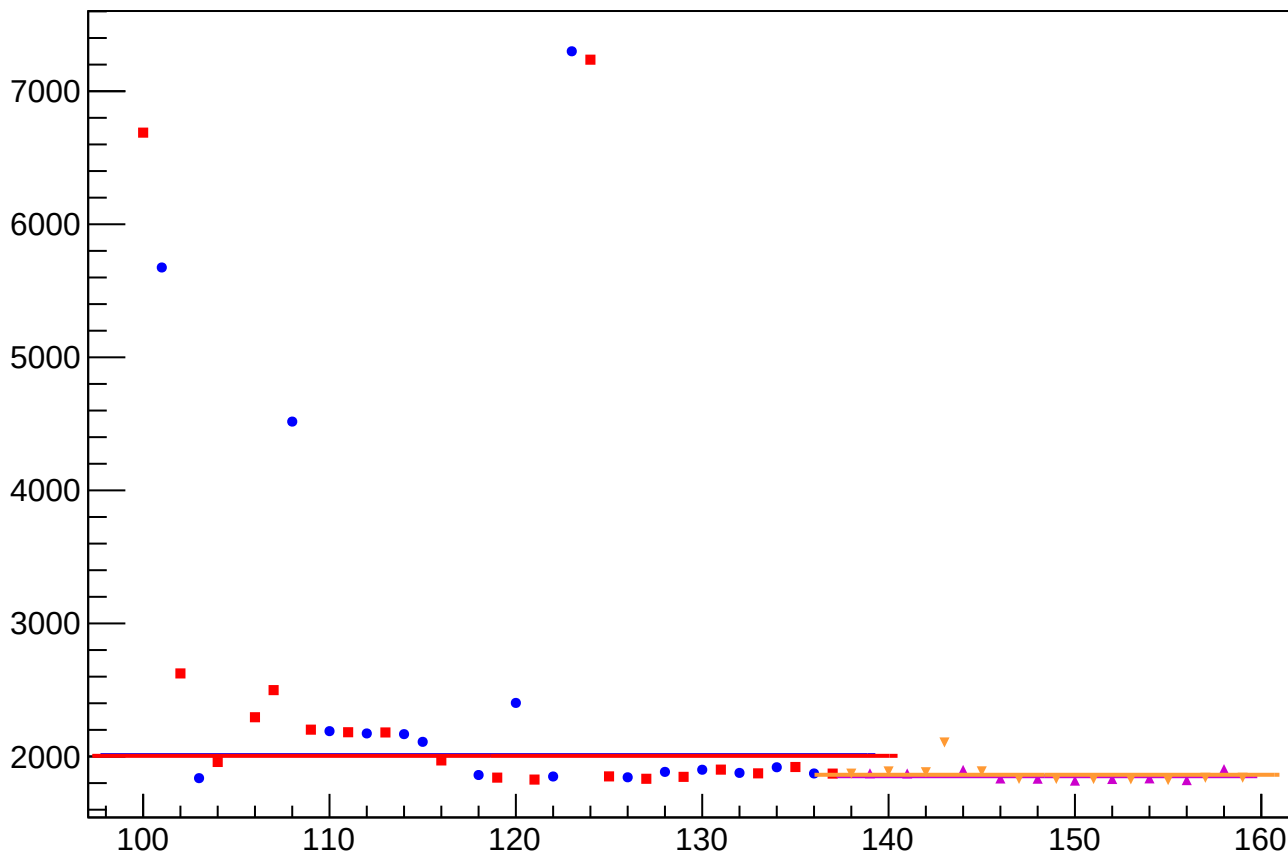
Right: -578.567+/-555.139 χ^2/NDF : 36.2/35

In: -640.280+/-503.194 χ^2/NDF : 35.6/26

Out: -713.844+/-484.717 χ^2/NDF : 33.3/30

All: -678.437+/-349.096 χ^2/NDF : 68.9/57

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2010.272 $\pm$ 0.567 χ^2 /NDF: 839746.7/16

Left Out: 1862.545 $\pm$ 0.441 χ^2 /NDF: 21326.8/11

Right Out: 2004.882 $\pm$ 0.544 χ^2 /NDF: 367513.0/18

Left In: 1851.655 $\pm$ 0.457 χ^2 /NDF: 4367.5/9

Left: 1857.293 $\pm$ 0.317 χ^2 /NDF: 25988.1/21

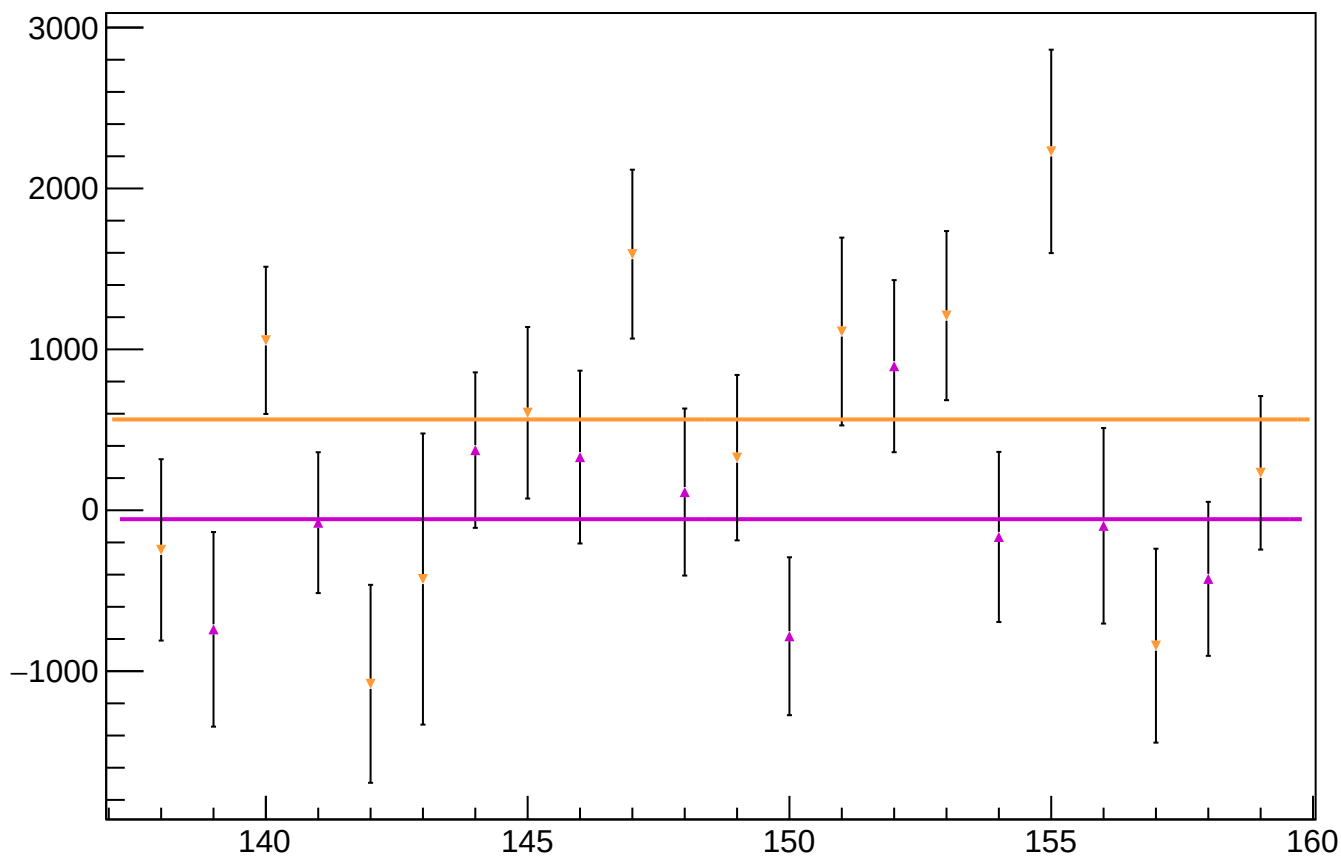
Right: 2007.469 $\pm$ 0.393 χ^2 /NDF: 1207306.7/35

In: 1914.189 $\pm$ 0.356 χ^2 /NDF: 891573.7/26

Out: 1918.991 $\pm$ 0.343 χ^2 /NDF: 430109.8/30

All: 1916.680 $\pm$ 0.247 χ^2 /NDF: 1321778.0/57

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 564.511+/-160.264 χ^2/NDF :30.9/11

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

Left In: -55.439+/-162.827 χ^2/NDF :8.7/9

Left: 259.455+/-114.219 χ^2/NDF : 46.9/21

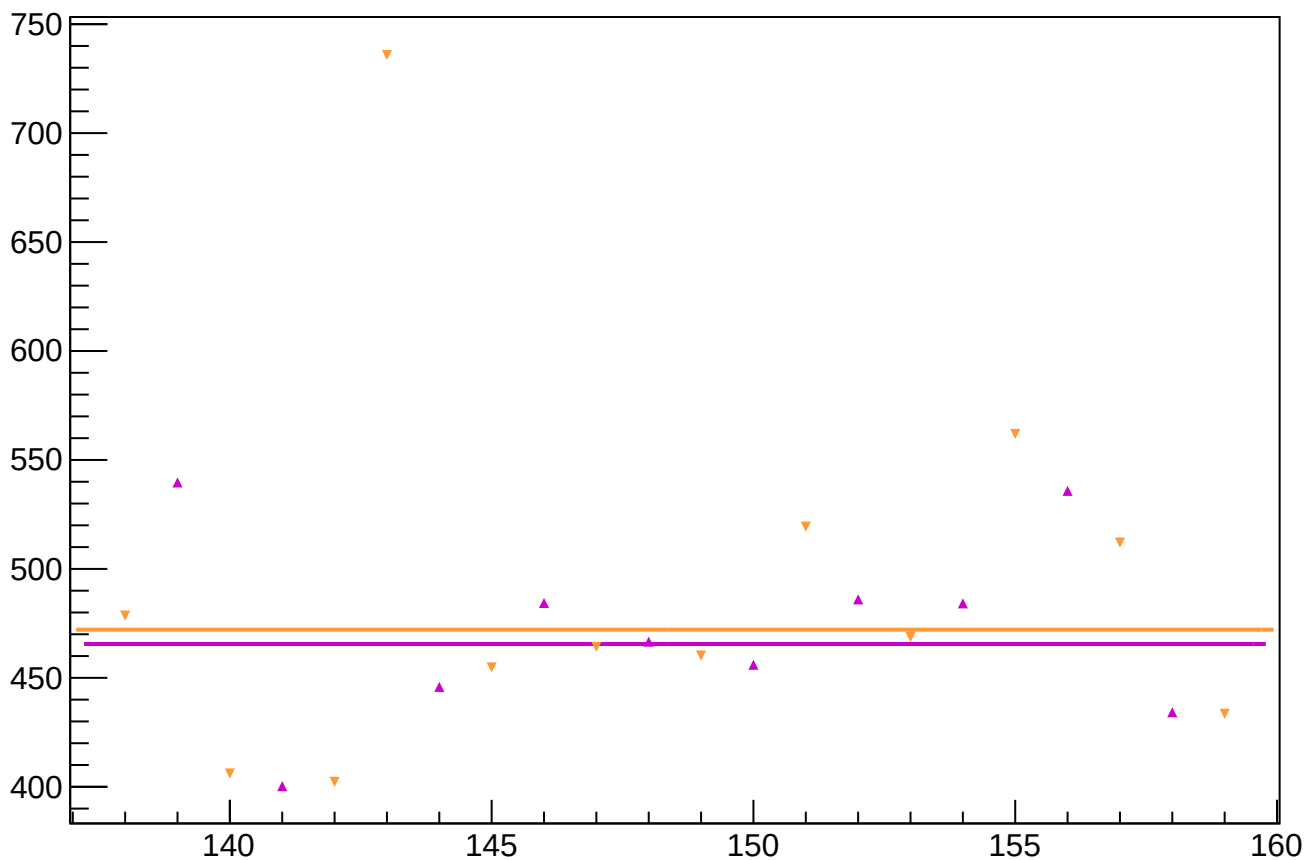
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -55.439+/-162.827 χ^2/NDF :8.7/9

Out: 564.511+/-160.264 χ^2/NDF :30.9/11

All: 259.455+/-114.219 χ^2/NDF : 46.9/21

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 472.097+/-0.113 χ^2 /NDF:316736.4/11

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

Left In: 465.535+/-0.115 χ^2 /NDF:121769.4/9

Left: 468.868+/-0.081 χ^2 /NDF: 440156.0/21

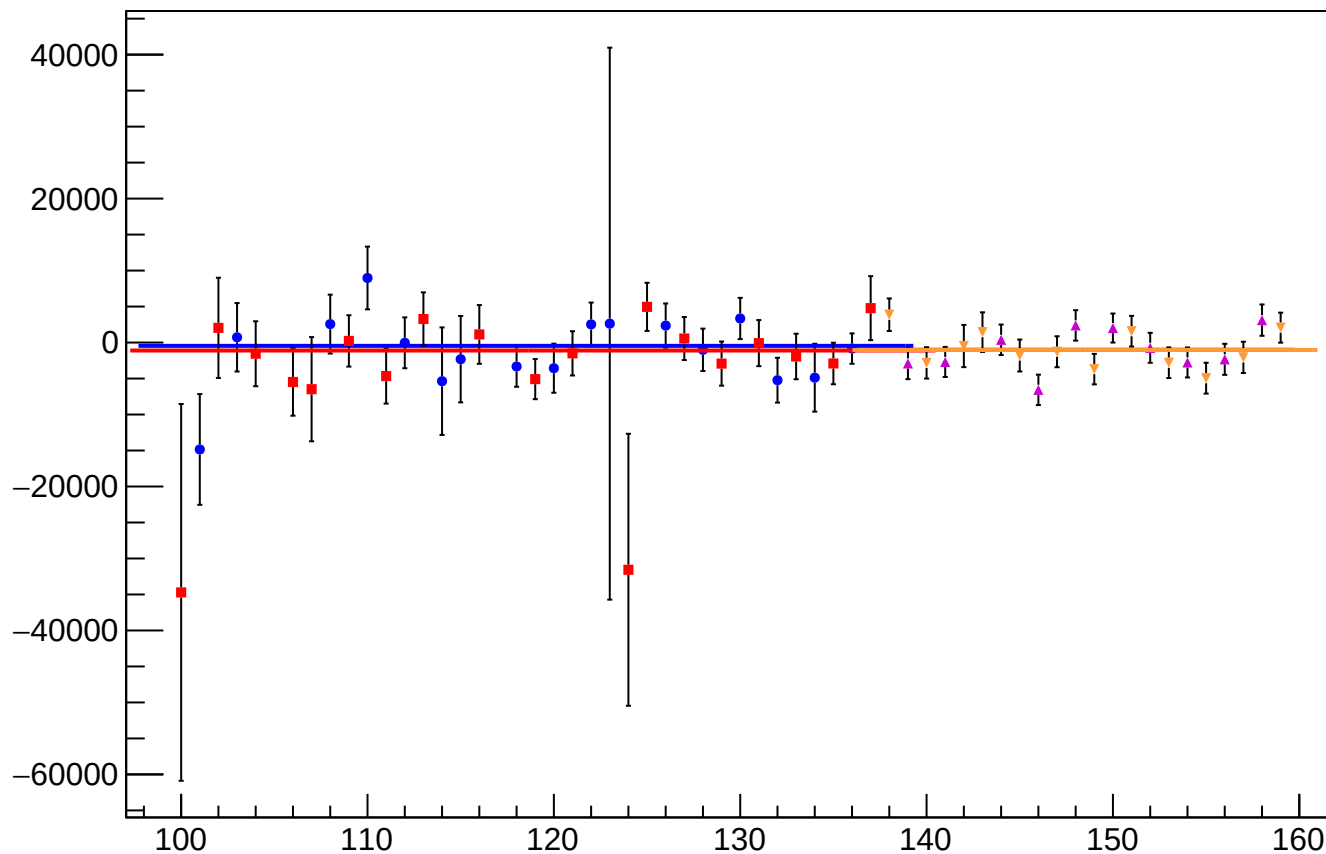
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 465.535+/-0.115 χ^2 /NDF:121769.4/9

Out: 472.097+/-0.113 χ^2 /NDF:316736.4/11

All: 468.868+/-0.081 χ^2 /NDF: 440156.0/21

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -1032.456+/-645.739 χ^2/NDF :15.9/11

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

Left In: -995.688+/-667.590 χ^2/NDF :18.3/9

Left: -1014.684+/-464.139 χ^2/NDF : 34.2/21

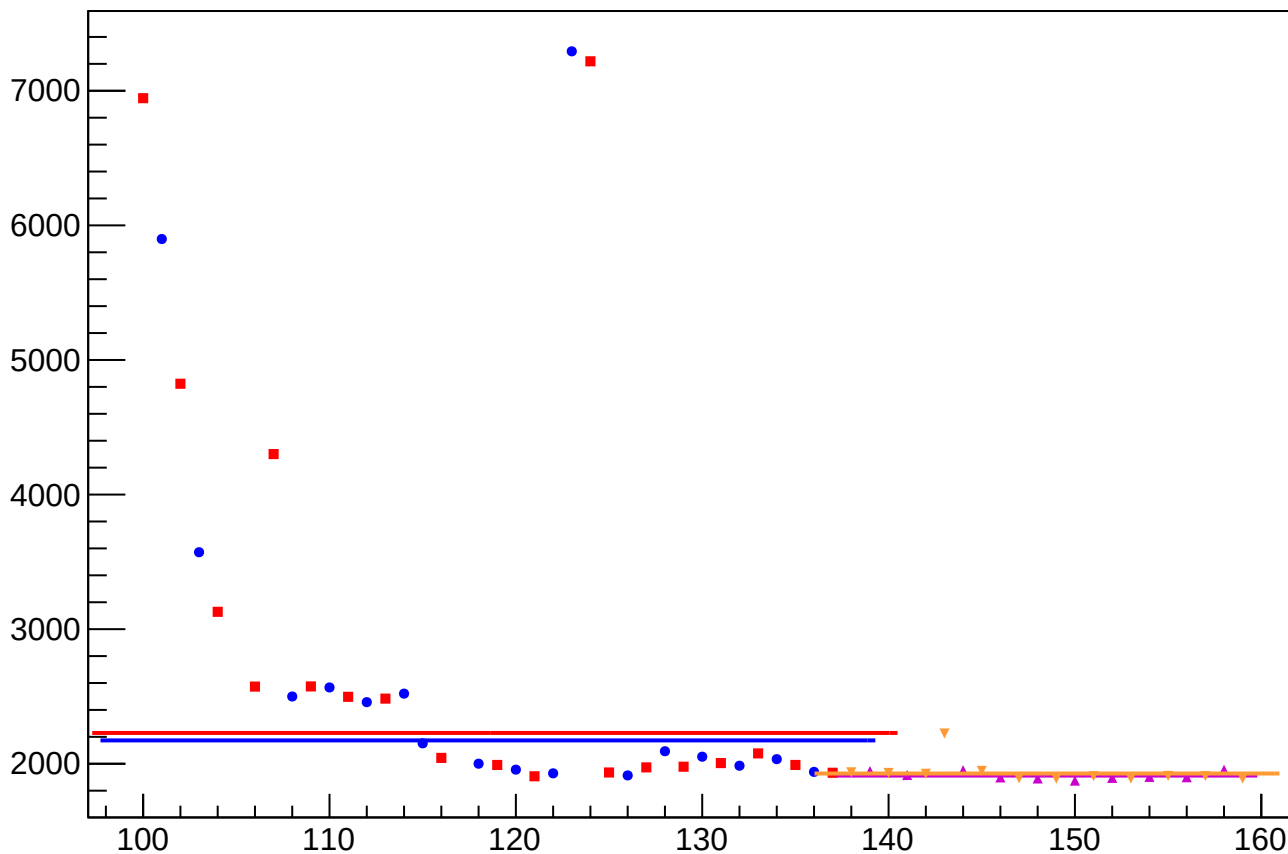
Right: -780.562+/-612.463 χ^2/NDF : 35.2/35

In: -795.132+/-528.530 χ^2/NDF :36.6/26

Out: -1058.088+/-517.916 χ^2/NDF :32.8/30

All: -929.277+/-369.918 χ^2/NDF : 69.5/57

asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1927.494 $\pm$ 0.457 χ^2 /NDF:26517.9/11

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

Left In: 1912.279 $\pm$ 0.472 χ^2 /NDF:3197.5/9

Left: 1920.140 $\pm$ 0.328 χ^2 /NDF: 30252.0/21

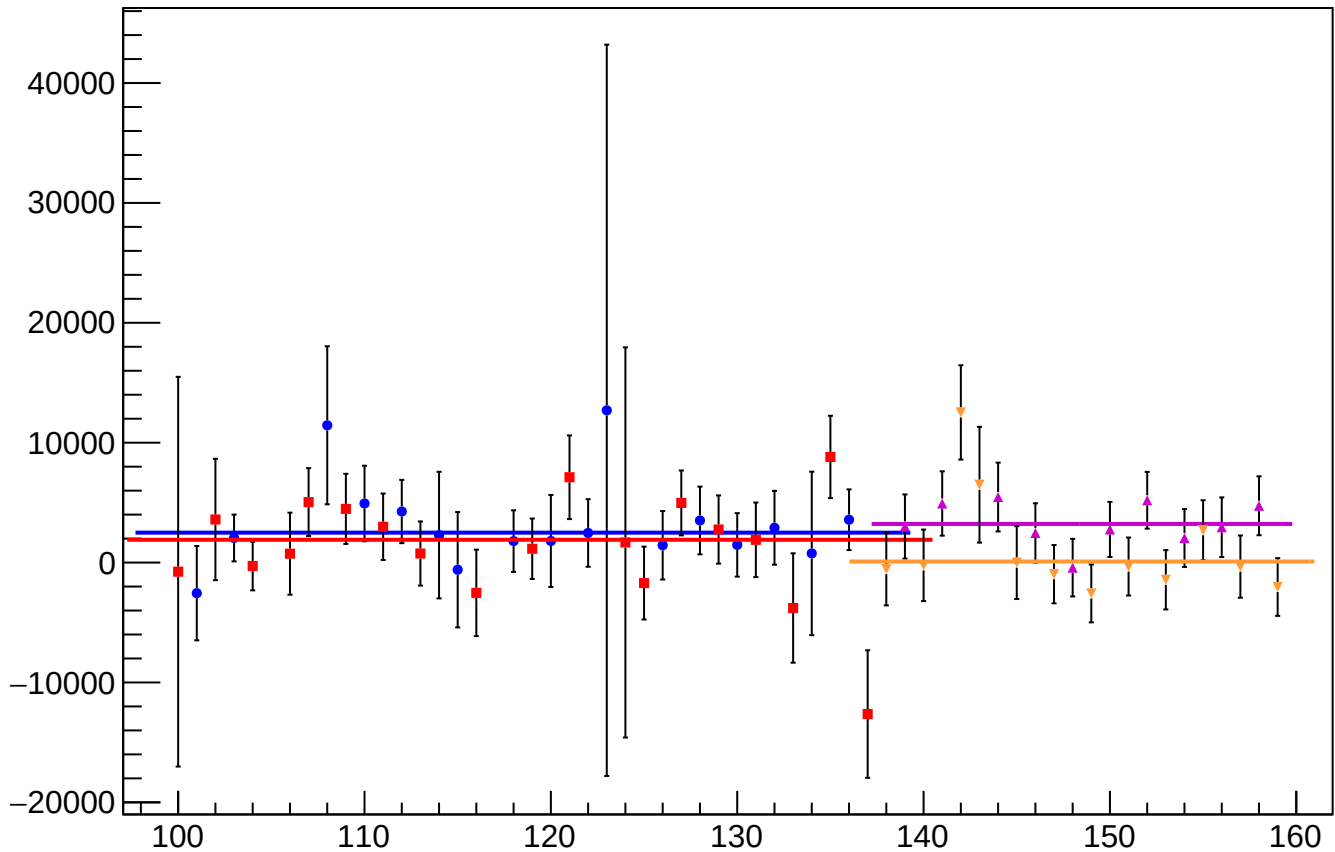
Right: 2201.146 $\pm$ 0.433 χ^2 /NDF: 1705309.7/35

In: 2009.781 $\pm$ 0.374 χ^2 /NDF:922866.0/26

Out: 2035.007 $\pm$ 0.366 χ^2 /NDF:1077806.2/30

All: 2022.650 $\pm$ 0.262 χ^2 /NDF: 2002996.4/57

dit_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 87.884 $\pm$ 792.052 χ^2/NDF : 15.5/11

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

Left In: 3219.845 $\pm$ 789.783 χ^2/NDF : 4.8/9

Left: 1658.356 $\pm$ 559.261 χ^2/NDF : 28.2/21

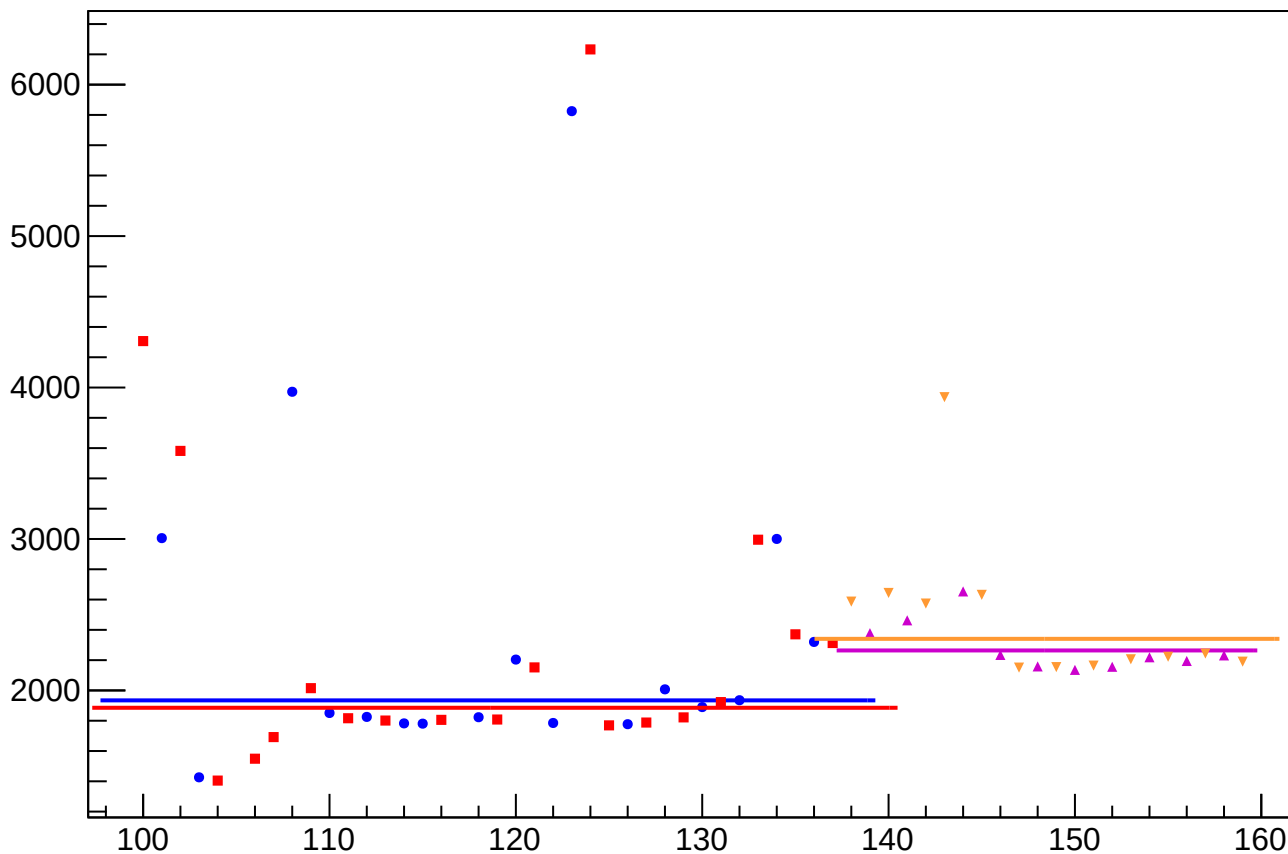
Right: 2187.370 $\pm$ 531.779 χ^2/NDF : 29.7/35

In: 2848.255 $\pm$ 550.707 χ^2/NDF : 11.1/26

Out: 1060.946 $\pm$ 539.470 χ^2/NDF : 41.8/30

All: 1936.180 $\pm$ 385.374 χ^2/NDF : 58.3/57

dit_asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 2340.671+/-0.560 χ^2/NDF :333329.2/11

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

Left In: 2264.028+/-0.558 χ^2/NDF :68715.6/9

Left: 2302.239+/-0.395 χ^2/NDF : 411435.2/21

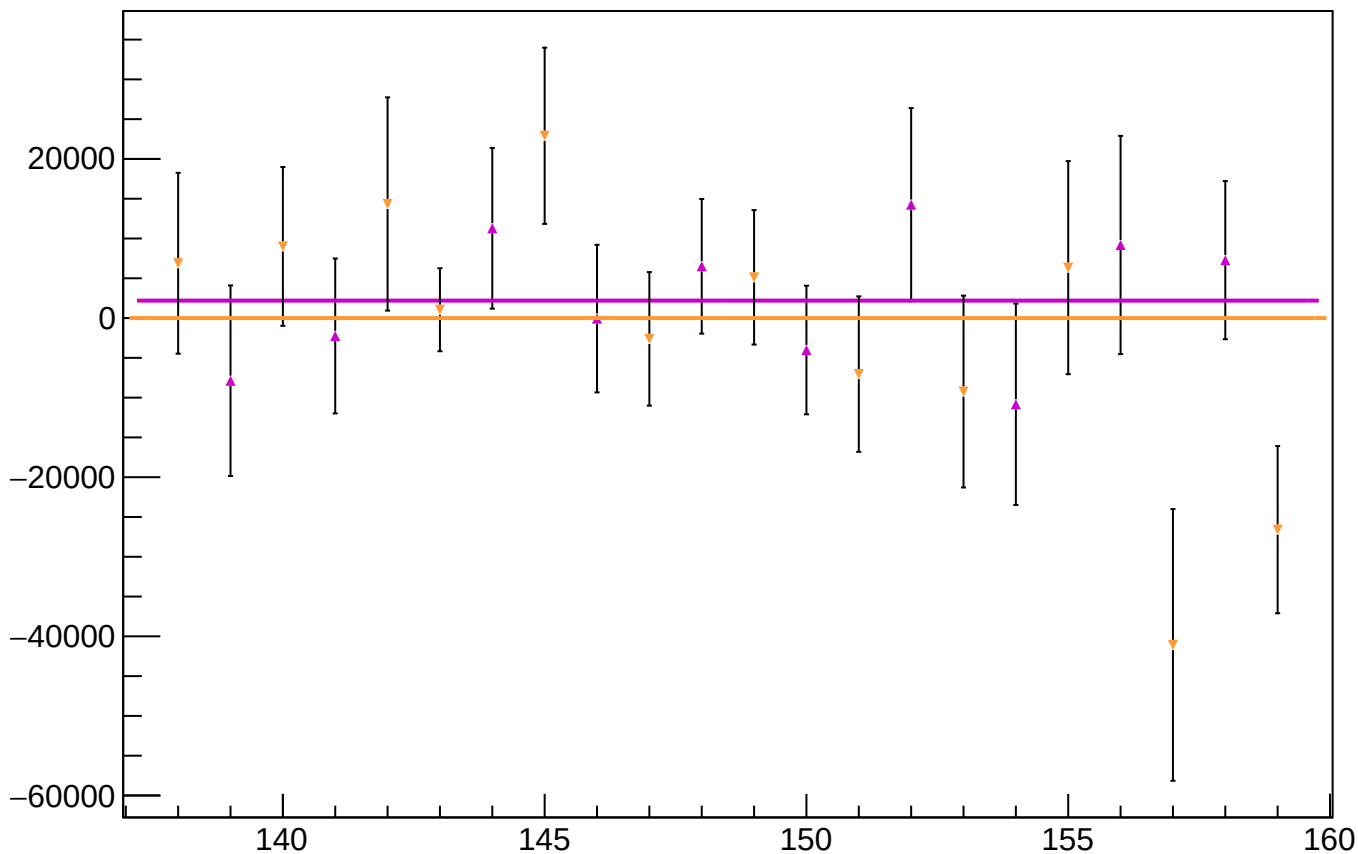
Right: 1908.949+/-0.376 χ^2/NDF : 1395226.1/35

In: 2094.670+/-0.389 χ^2/NDF :886628.8/26

Out: 2096.639+/-0.381 χ^2/NDF :1439499.9/30

All: 2095.675+/-0.272 χ^2/NDF : 2326141.8/57

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.894+/-2753.041 χ^2/NDF :20.6/11

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

Left In: 2196.055+/-3215.928 χ^2/NDF :5.2/9

Left: 929.260+/-2091.379 χ^2/NDF : 26.1/21

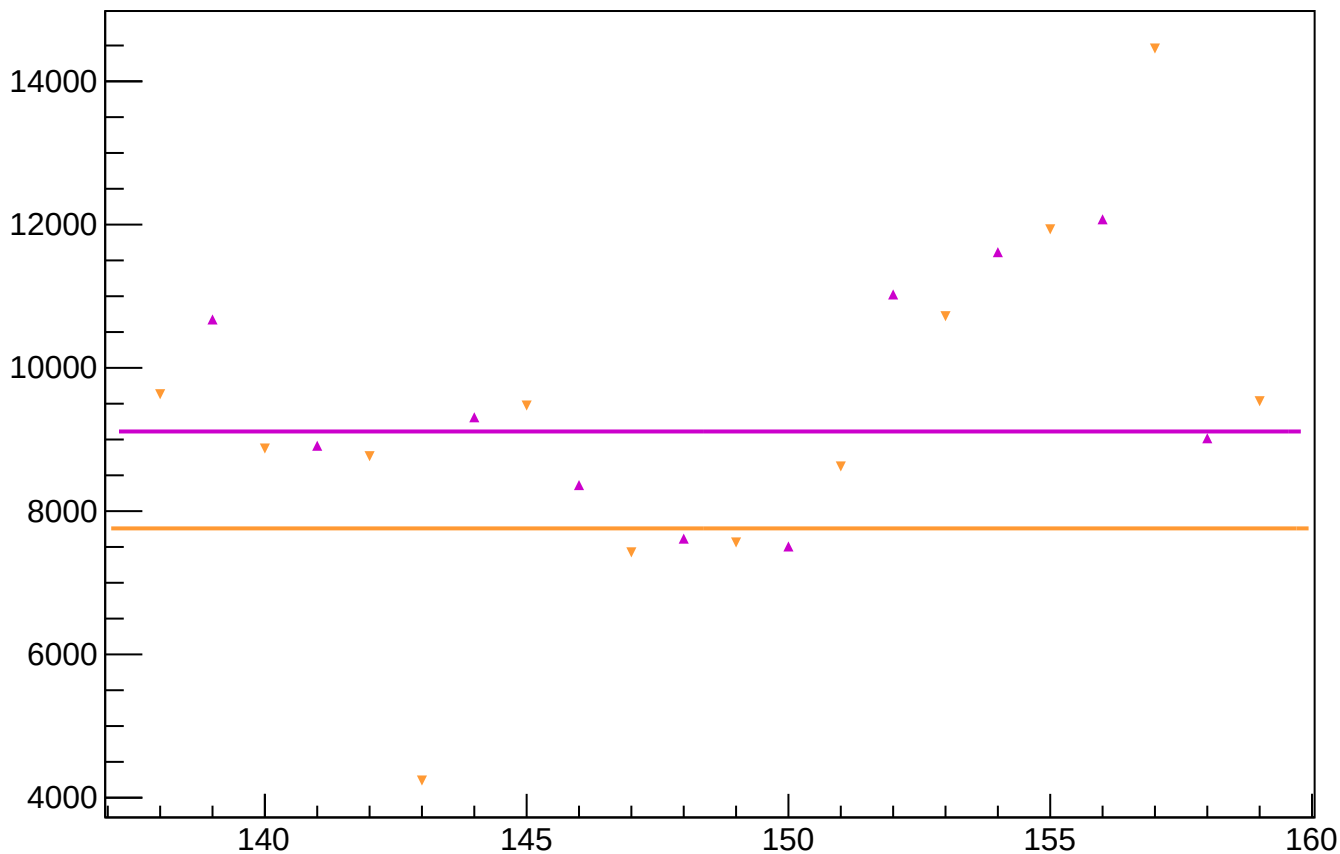
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2196.055+/-3215.928 χ^2/NDF :5.2/9

Out: 0.894+/-2753.041 χ^2/NDF :20.6/11

All: 929.260+/-2091.379 χ^2/NDF : 26.1/21

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 7759.089+/-1.947 χ^2/NDF :1750411.4/11

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

Left In: 9112.007+/-2.274 χ^2/NDF :411403.4/9

Left: 8331.258+/-1.479 χ^2/NDF : 2366083.0/21

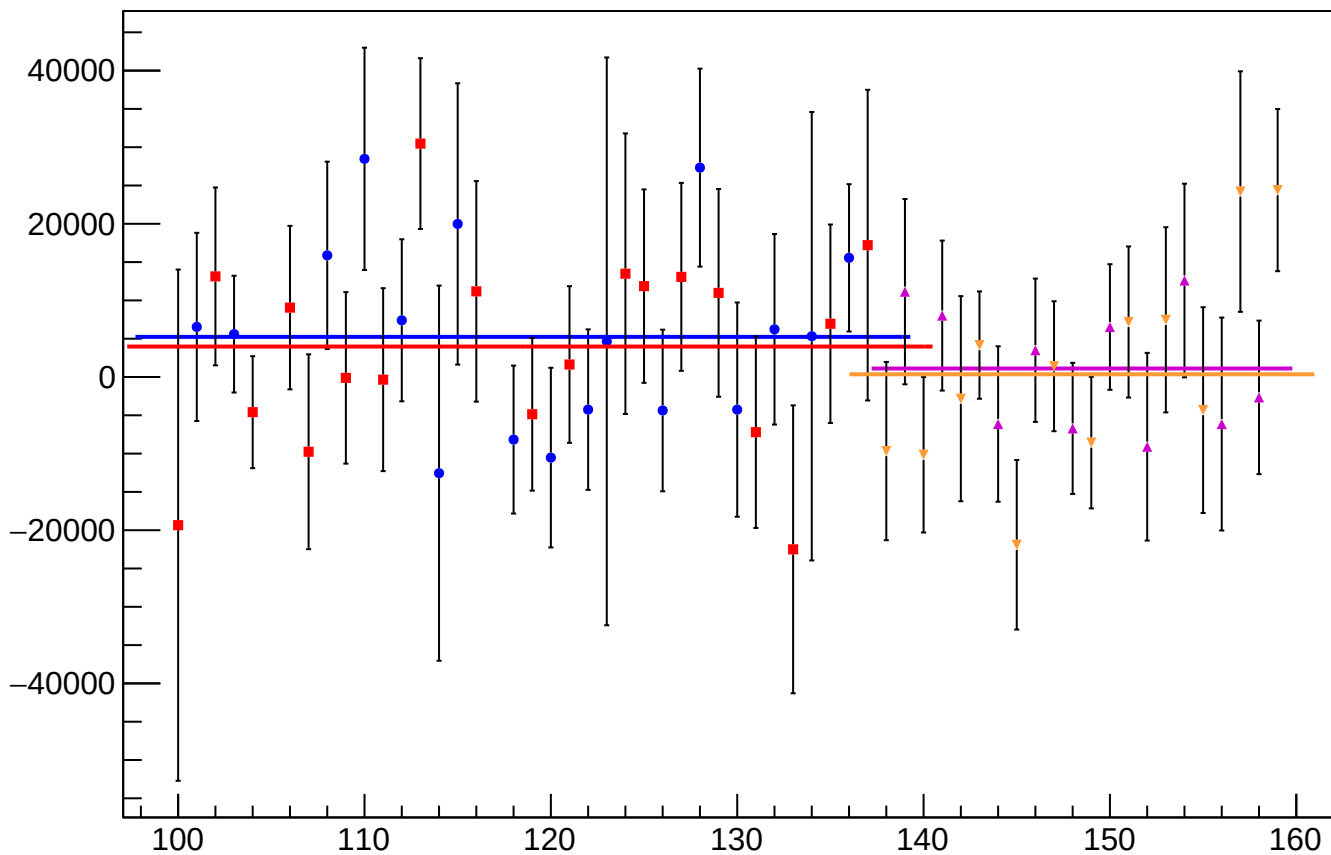
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9112.007+/-2.274 χ^2/NDF :411403.4/9

Out: 7759.089+/-1.947 χ^2/NDF :1750411.4/11

All: 8331.258+/-1.479 χ^2/NDF : 2366083.0/21

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5238.554+/-2946.164 χ^2/NDF : 14.5/16

Left Out: 356.703+/-2957.628 χ^2/NDF :15.7/11

Right Out: 3976.061+/-2790.421 χ^2/NDF : 15.6/18

Left In: 1111.051+/-3244.567 χ^2/NDF :5.0/9

Left: 699.053+/-2185.776 χ^2/NDF : 20.7/21

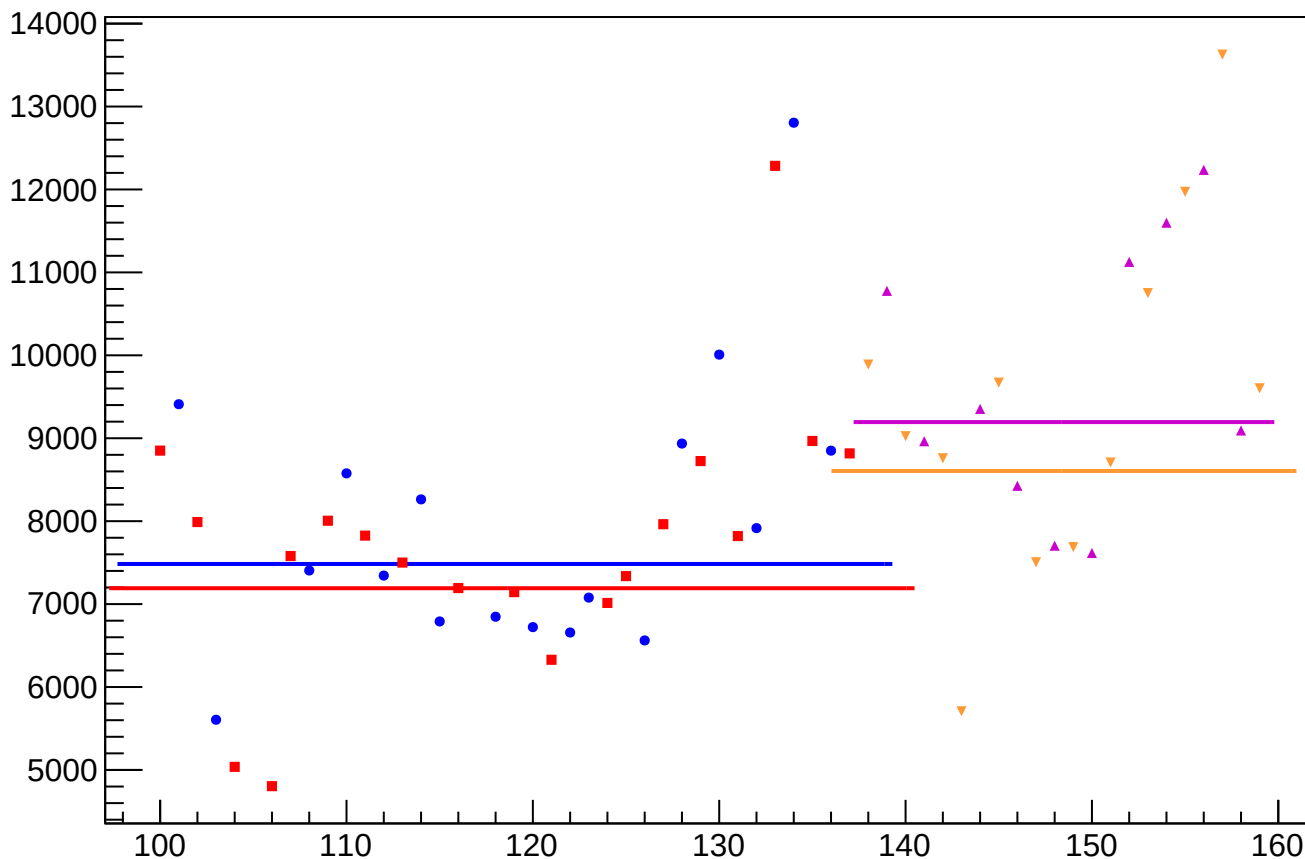
Right: 4573.057+/-2025.948 χ^2/NDF : 30.2/35

In: 3373.294+/-2181.136 χ^2/NDF :20.3/26

Out: 2271.578+/-2029.664 χ^2/NDF :32.1/30

All: 2782.856+/-1485.855 χ^2/NDF : 52.6/57

asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 8605.005+/-2.091 χ^2/NDF : 856455.2/11

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

Left In: 9194.840+/-2.294 χ^2/NDF : 402244.5/9

Left: 8872.693+/-1.546 χ^2/NDF : 1294799.1/21

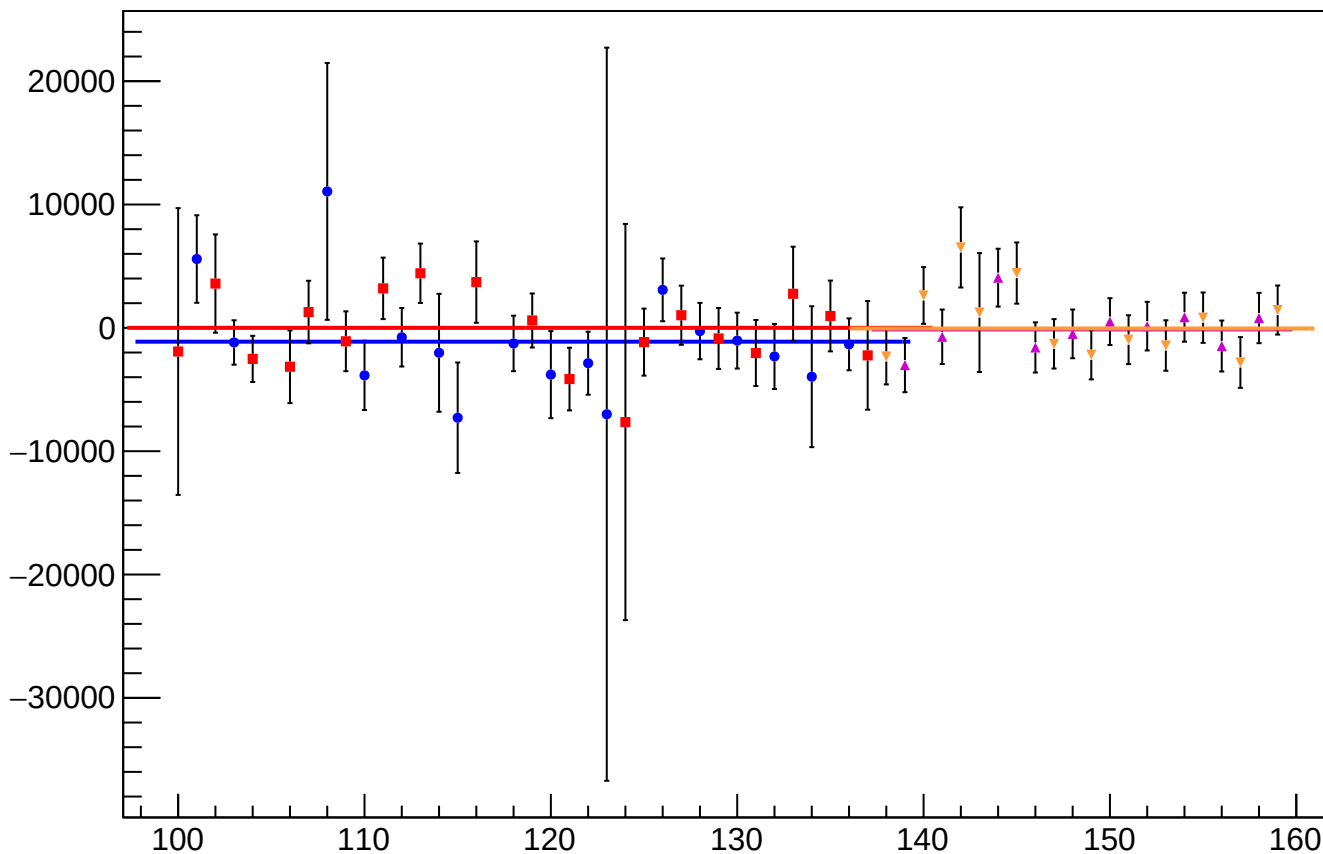
Right: 7329.673+/-1.432 χ^2/NDF : 1000940.7/35

In: 8257.007+/-1.542 χ^2/NDF : 1138914.5/26

Out: 7857.053+/-1.435 χ^2/NDF : 1656937.4/30

All: 8042.651+/-1.051 χ^2/NDF : 2831894.9/57

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -1120.496 $\pm$ 679.161 χ^2 /NDF: 12.3/16

Left Out: -49.873 $\pm$ 644.526 χ^2 /NDF:14.5/11

Right Out: 2.515 $\pm$ 639.678 χ^2 /NDF: 15.5/18

Left In: -127.420 $\pm$ 651.634 χ^2 /NDF:6.6/9

Left: -88.221 $\pm$ 458.241 χ^2 /NDF: 21.1/21

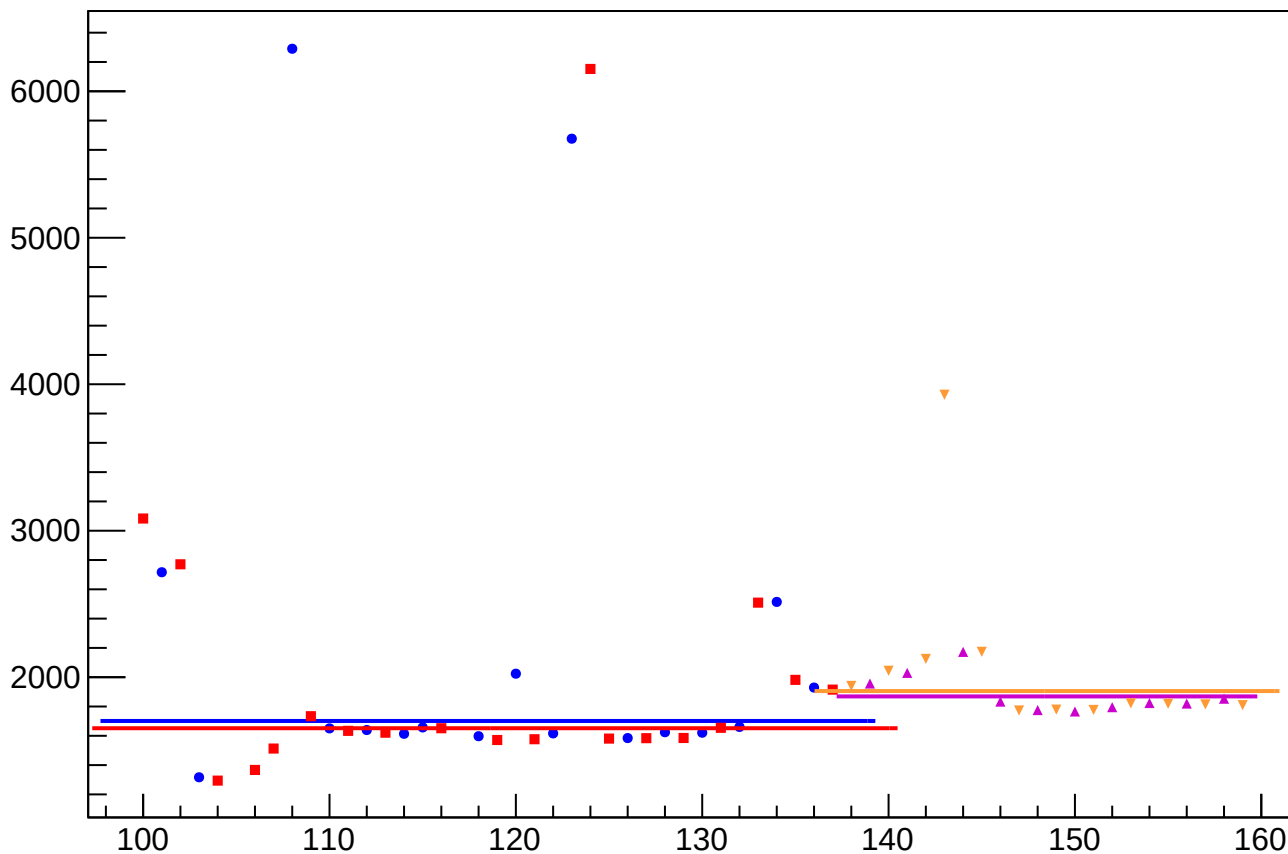
Right: -525.400 $\pm$ 465.654 χ^2 /NDF: 29.2/35

In: -603.425 $\pm$ 470.205 χ^2 /NDF:19.9/26

Out: -23.481 $\pm$ 454.025 χ^2 /NDF:30.0/30

All: -303.303 $\pm$ 326.615 χ^2 /NDF: 50.7/57

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1701.283 $\pm$ 0.480 χ^2/NDF : 778718.7/16

Left Out: 1905.458 $\pm$ 0.456 χ^2/NDF : 433280.4/11

Right Out: 1651.734 $\pm$ 0.452 χ^2/NDF : 588842.2/18

Left In: 1868.877 $\pm$ 0.461 χ^2/NDF : 63378.6/9

Left: 1887.368 $\pm$ 0.324 χ^2/NDF : 499845.0/21

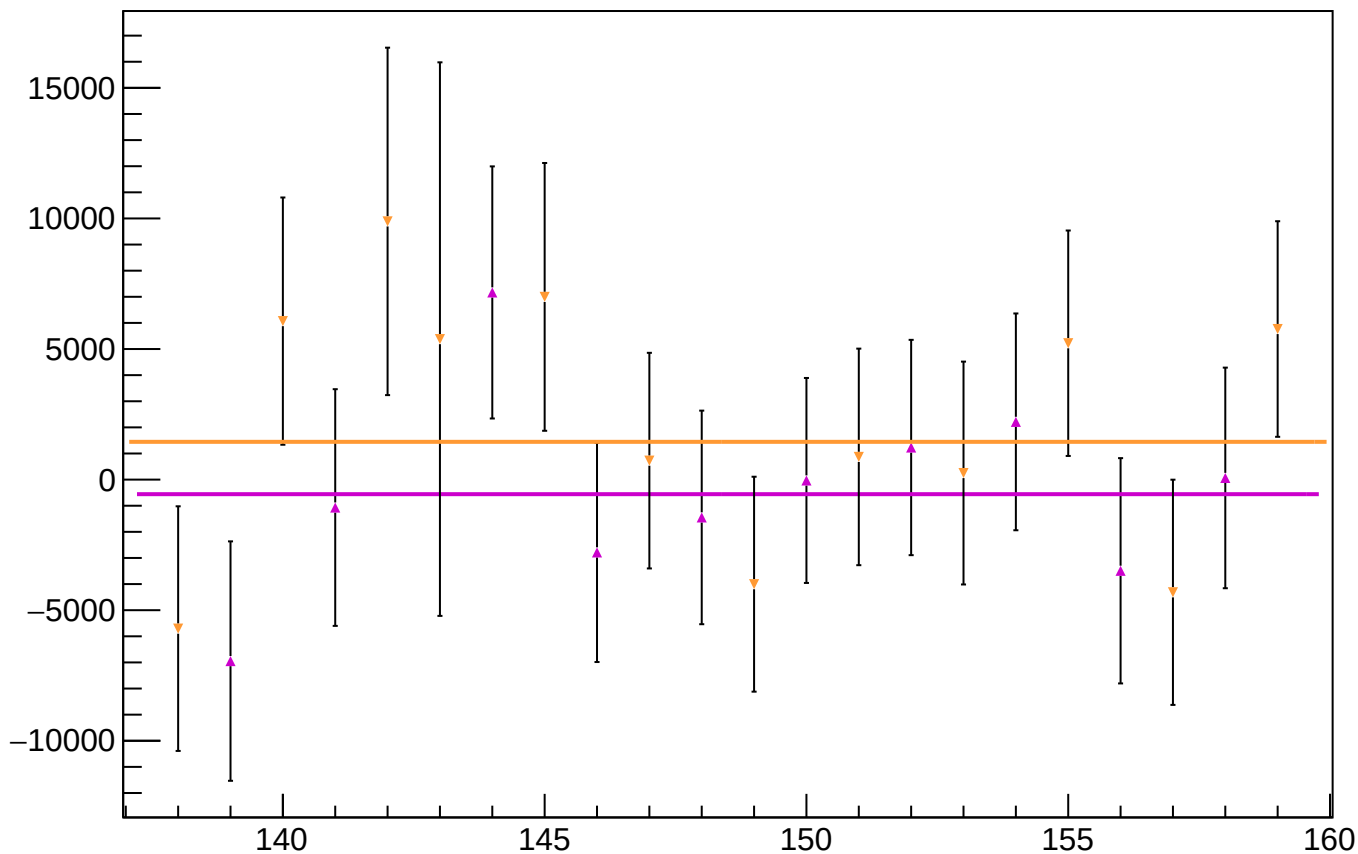
Right: 1675.026 $\pm$ 0.329 χ^2/NDF : 1373201.9/35

In: 1788.545 $\pm$ 0.332 χ^2/NDF : 905509.0/26

Out: 1777.638 $\pm$ 0.321 χ^2/NDF : 1178260.7/30

All: 1782.900 $\pm$ 0.231 χ^2/NDF : 2084326.7/57

asym_at2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 1446.661+/-1340.161 χ^2/NDF :11.7/11

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

Left In: -557.755+/-1351.571 χ^2/NDF :6.0/9

Left: 452.950+/-951.645 χ^2/NDF : 18.8/21

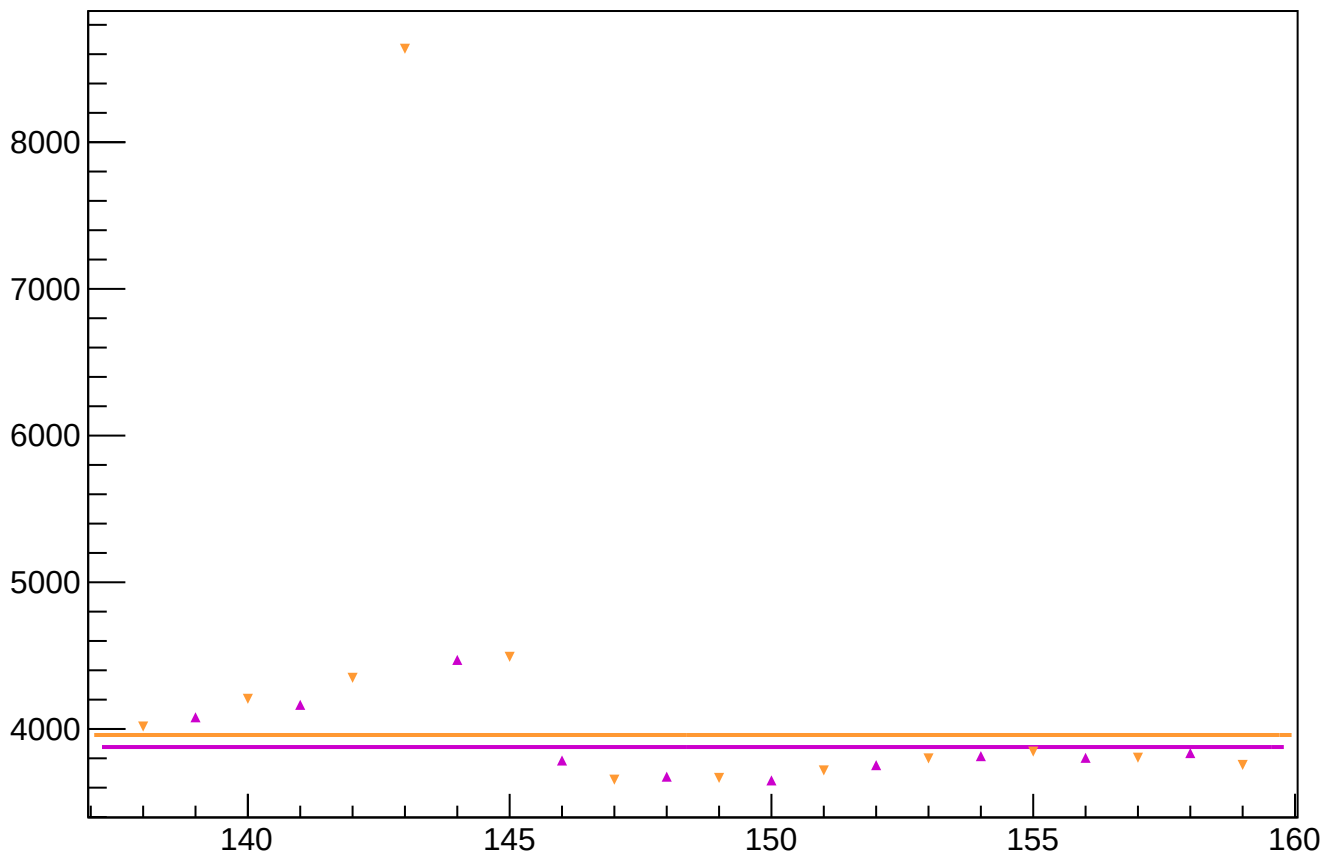
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -557.755+/-1351.571 χ^2/NDF :6.0/9

Out: 1446.661+/-1340.161 χ^2/NDF :11.7/11

All: 452.950+/-951.645 χ^2/NDF : 18.8/21

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3958.986+/-0.948 χ^2 /NDF:463295.1/11

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

Left In: 3876.957+/-0.956 χ^2 /NDF:57831.9/9

Left: 3918.319+/-0.673 χ^2 /NDF: 524841.7/21

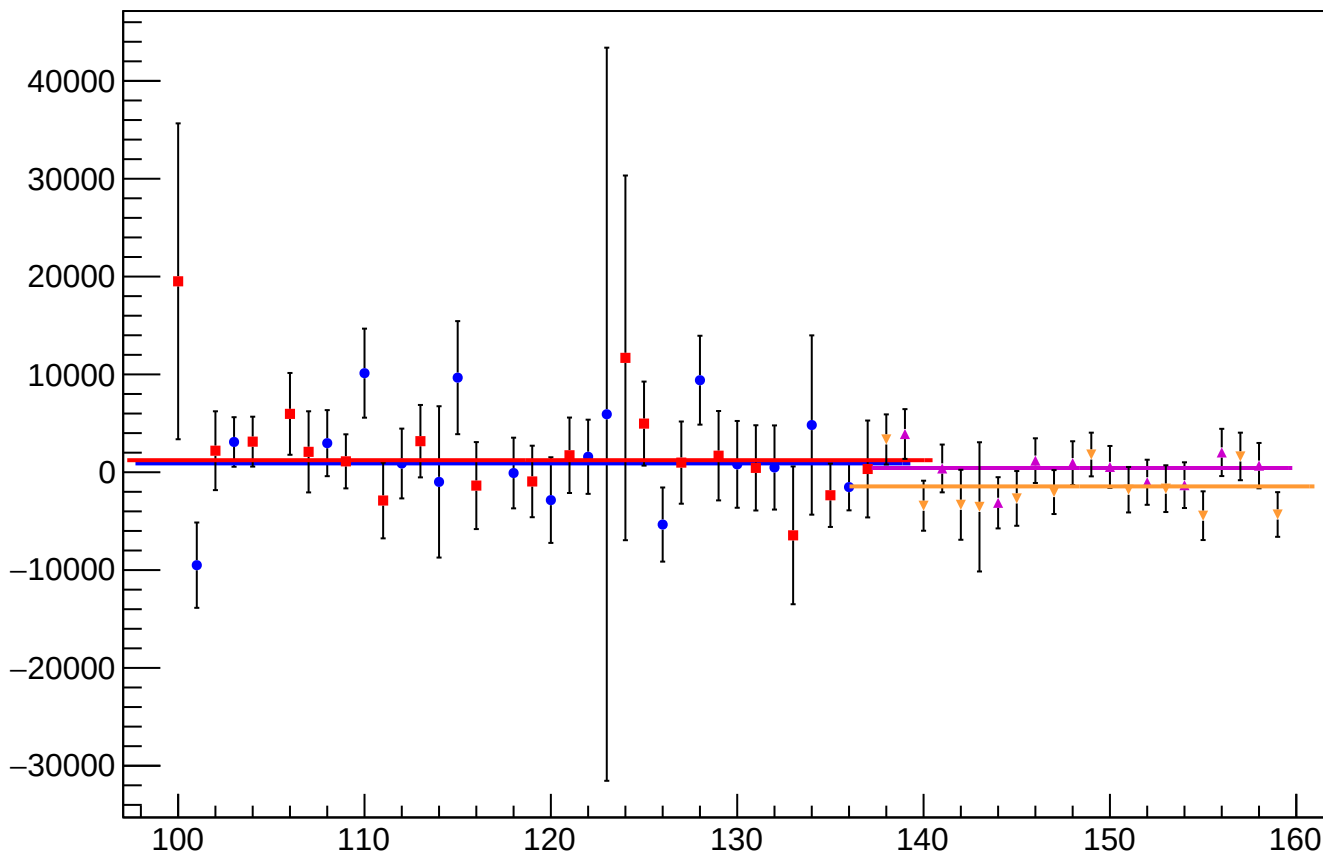
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 3876.957+/-0.956 χ^2 /NDF:57831.9/9

Out: 3958.986+/-0.948 χ^2 /NDF:463295.1/11

All: 3918.319+/-0.673 χ^2 /NDF: 524841.7/21

asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -1447.129 $\pm$ 742.037 χ^2 /NDF:11.5/11

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

Left In: 433.778 $\pm$ 743.831 χ^2 /NDF:5.3/9

Left: -508.946 $\pm$ 525.333 χ^2 /NDF: 20.0/21

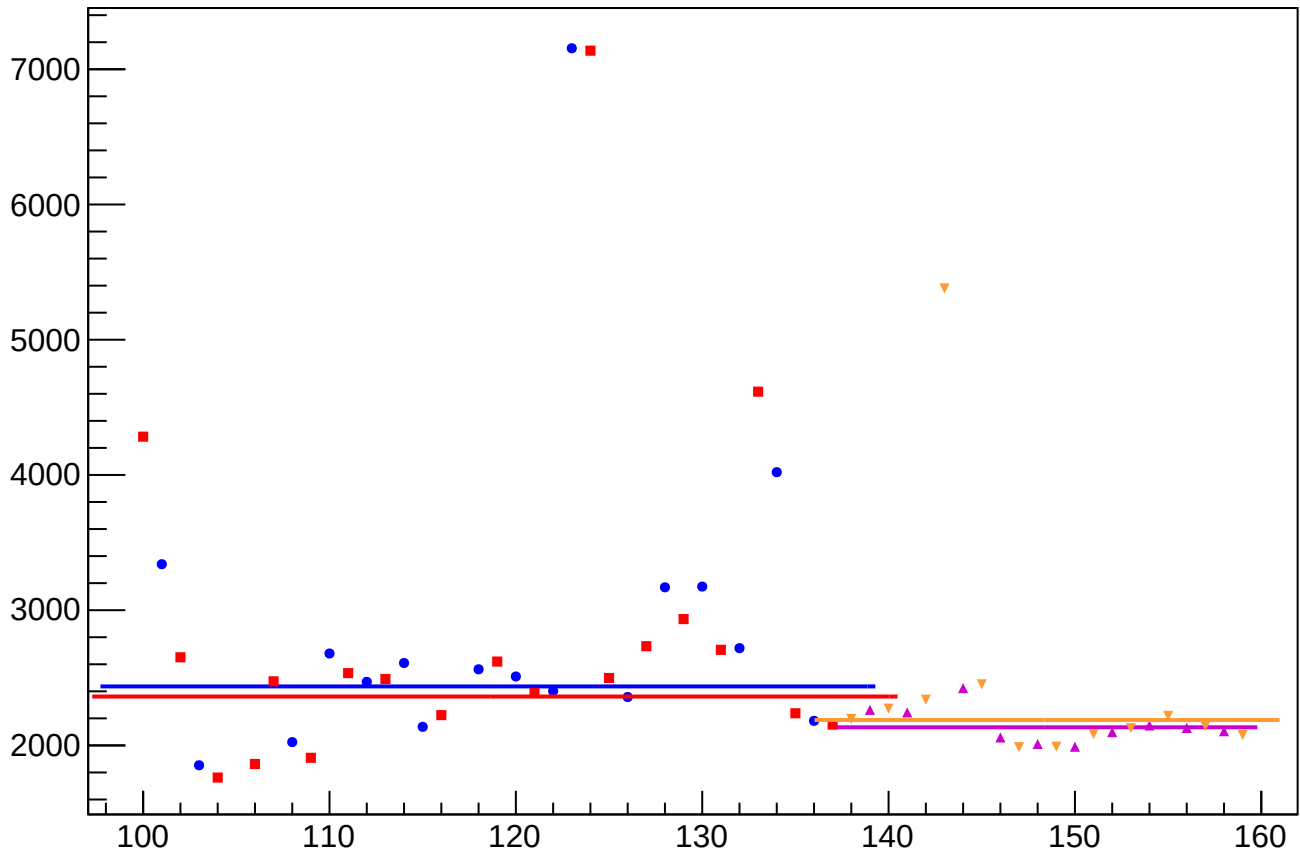
Right: 1073.549 $\pm$ 666.754 χ^2 /NDF: 30.6/35

In: 609.464 $\pm$ 588.425 χ^2 /NDF:27.0/26

Out: -398.534 $\pm$ 578.818 χ^2 /NDF:25.5/30

All: 97.170 $\pm$ 412.641 χ^2 /NDF: 54.1/57

asym_at2_dd_rms vs Slug, Sign Corrected



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

Left Out: 2187.821 $\pm$ 0.525 χ^2 /NDF: 533126.2/11

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

Left In: 2134.004 $\pm$ 0.526 χ^2 /NDF: 51922.0/9

Left: 2160.977 $\pm$ 0.371 χ^2 /NDF: 590295.6/21

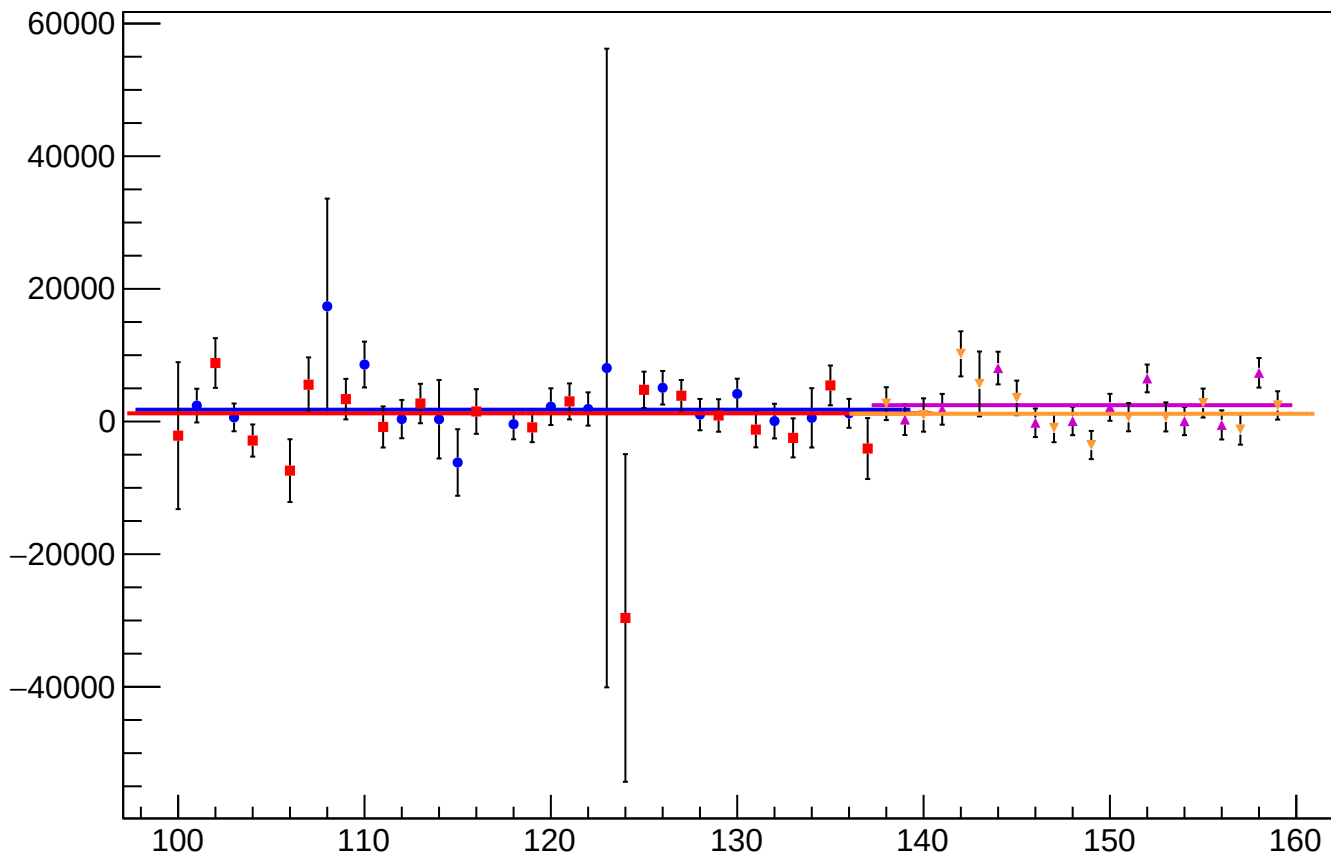
Right: 2397.448 $\pm$ 0.471 χ^2 /NDF: 1130664.2/35

In: 2247.108 $\pm$ 0.416 χ^2 /NDF: 644049.0/26

Out: 2255.846 $\pm$ 0.409 χ^2 /NDF: 1231900.3/30

All: 2251.549 $\pm$ 0.292 χ^2 /NDF: 1876173.5/57

dit_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 1165.143 $\pm$ 693.350 χ^2 /NDF:17.1/11

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

Left In: 2463.504 $\pm$ 694.964 χ^2 /NDF:20.5/9

Left: 1812.814 $\pm$ 490.842 χ^2 /NDF: 39.3/21

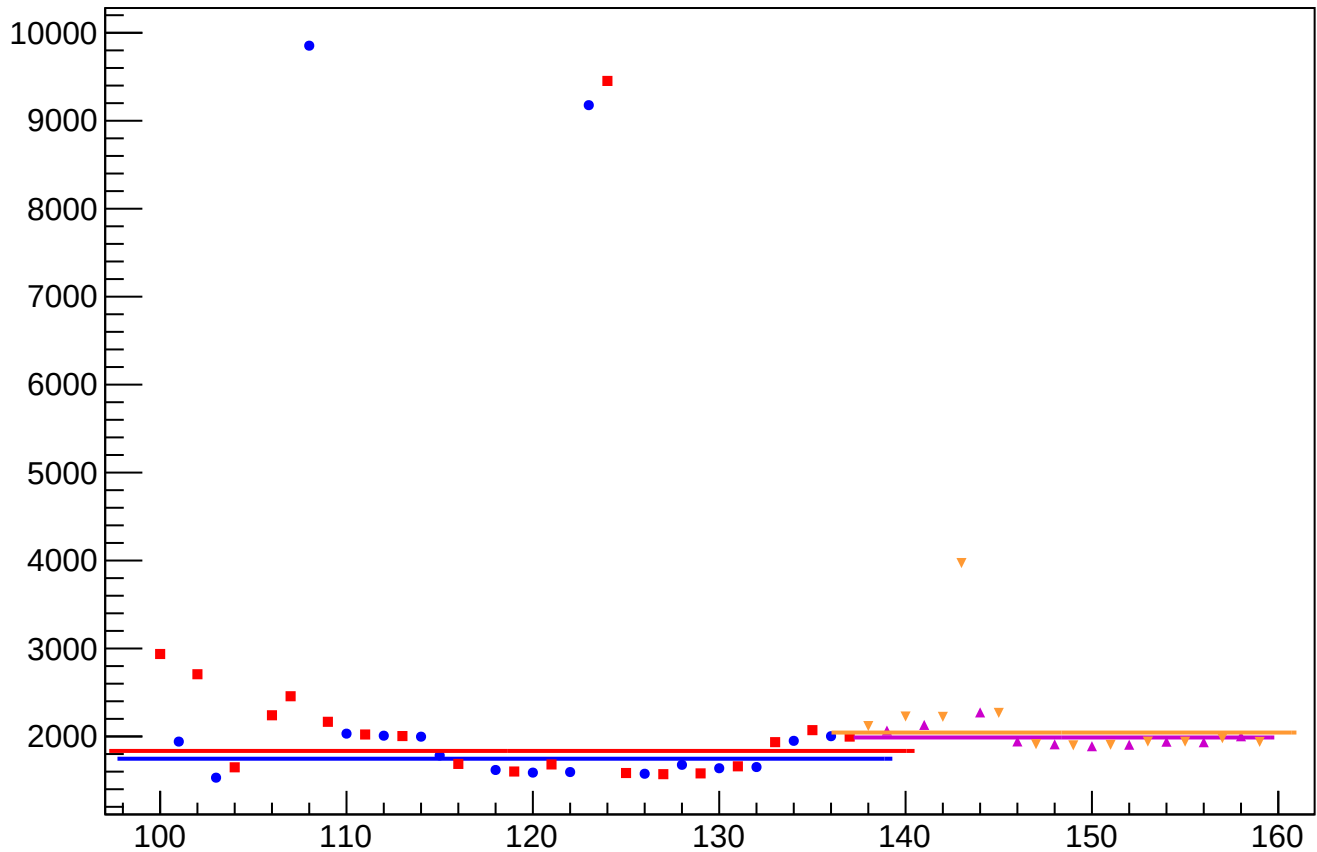
Right: 1511.828 $\pm$ 495.804 χ^2 /NDF: 37.0/35

In: 2123.230 $\pm$ 491.215 χ^2 /NDF:33.4/26

Out: 1196.541 $\pm$ 495.420 χ^2 /NDF:41.3/30

All: 1663.835 $\pm$ 348.819 χ^2 /NDF: 76.5/57

dit_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 2044.355+/-0.490 χ^2/NDF : 384041.2/11

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

Left In: 1988.253+/-0.491 χ^2/NDF : 50415.3/9

Left: 2016.369+/-0.347 χ^2/NDF : 440988.5/21

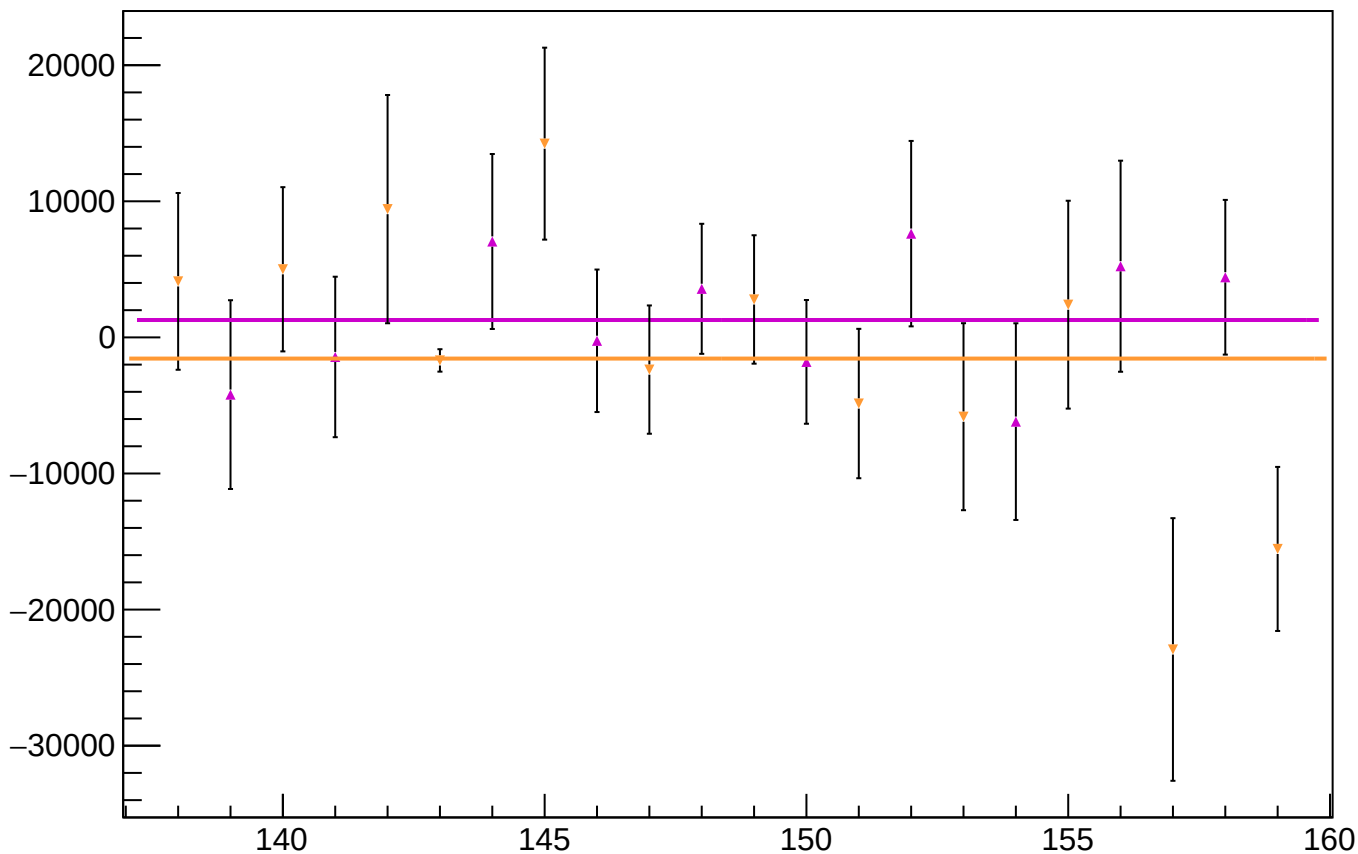
Right: 1790.310+/-0.350 χ^2/NDF : 1248859.1/35

In: 1867.447+/-0.347 χ^2/NDF : 853670.2/26

Out: 1941.964+/-0.350 χ^2/NDF : 1023448.6/30

All: 1904.410+/-0.247 χ^2/NDF : 1899948.9/57

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -1556.514 ± 754.434 χ^2/NDF : 20.9/11

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: 1277.312 ± 1854.541 χ^2/NDF : 4.9/9

Left: -1154.136 ± 698.823 χ^2/NDF : 27.8/21

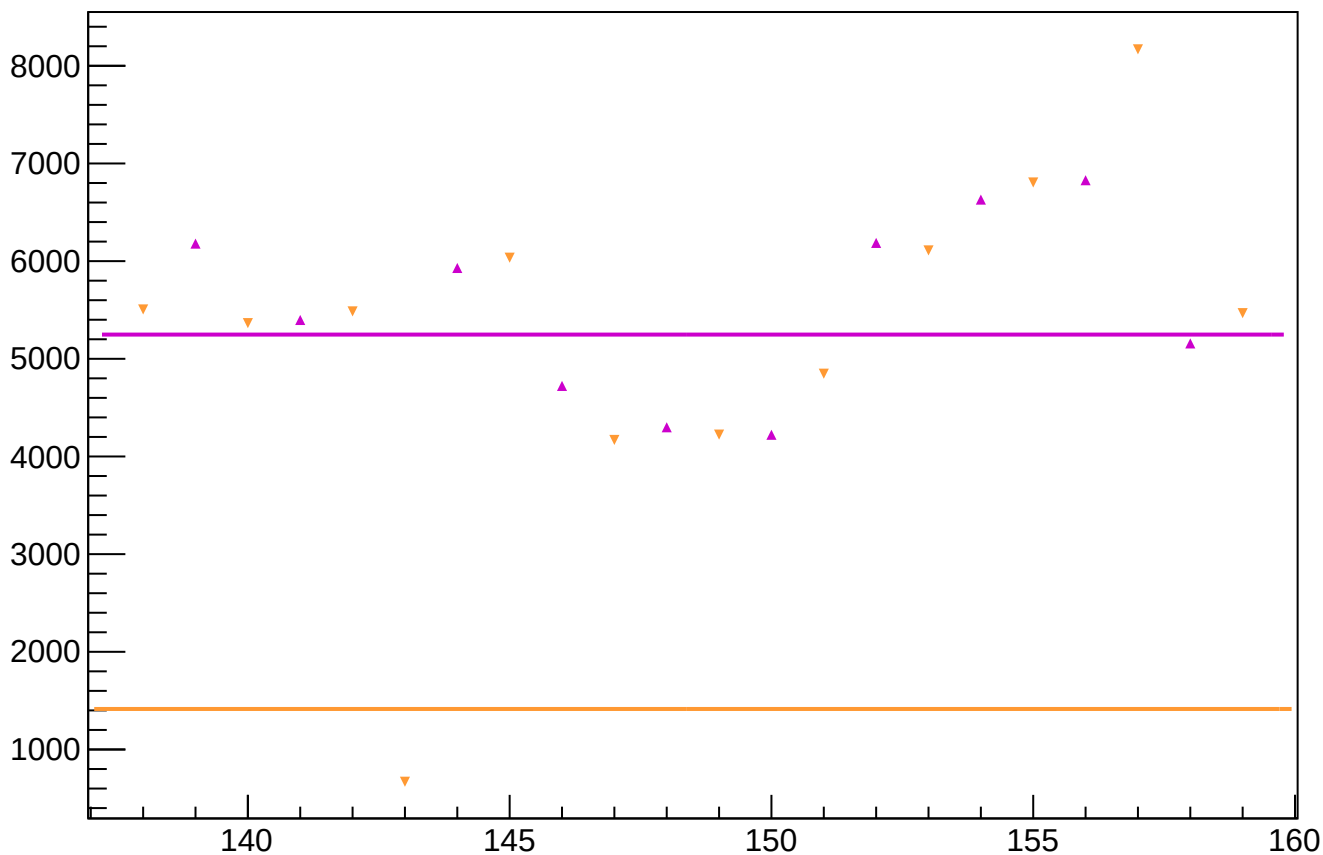
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: 1277.312 ± 1854.541 χ^2/NDF : 4.9/9

Out: -1556.514 ± 754.434 χ^2/NDF : 20.9/11

All: -1154.136 ± 698.823 χ^2/NDF : 27.8/21

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1414.787+/-0.533 χ^2/NDF :10604264.3/11

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

Left In: 5247.997+/-1.311 χ^2/NDF :455552.3/9

Left: 1959.069+/-0.494 χ^2/NDF : 18390997.0/21

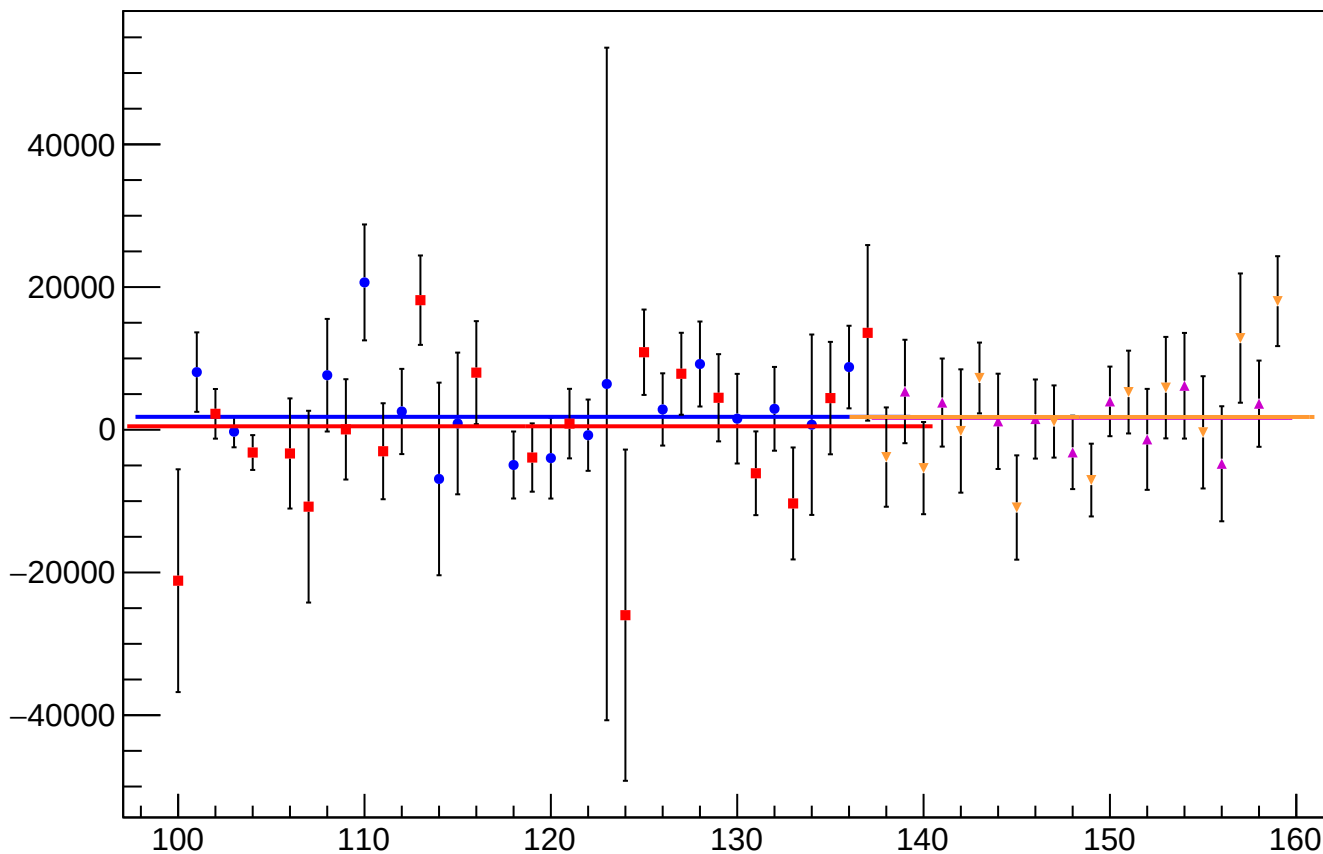
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5247.997+/-1.311 χ^2/NDF :455552.3/9

Out: 1414.787+/-0.533 χ^2/NDF :10604264.3/11

All: 1959.069+/-0.494 χ^2/NDF : 18390997.0/21

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 1793.805+/-1832.174 χ^2/NDF : 18.1/11

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

Left In: 1678.196+/-1957.258 χ^2/NDF : 2.8/9

Left: 1739.813+/-1337.578 χ^2/NDF : 20.9/21

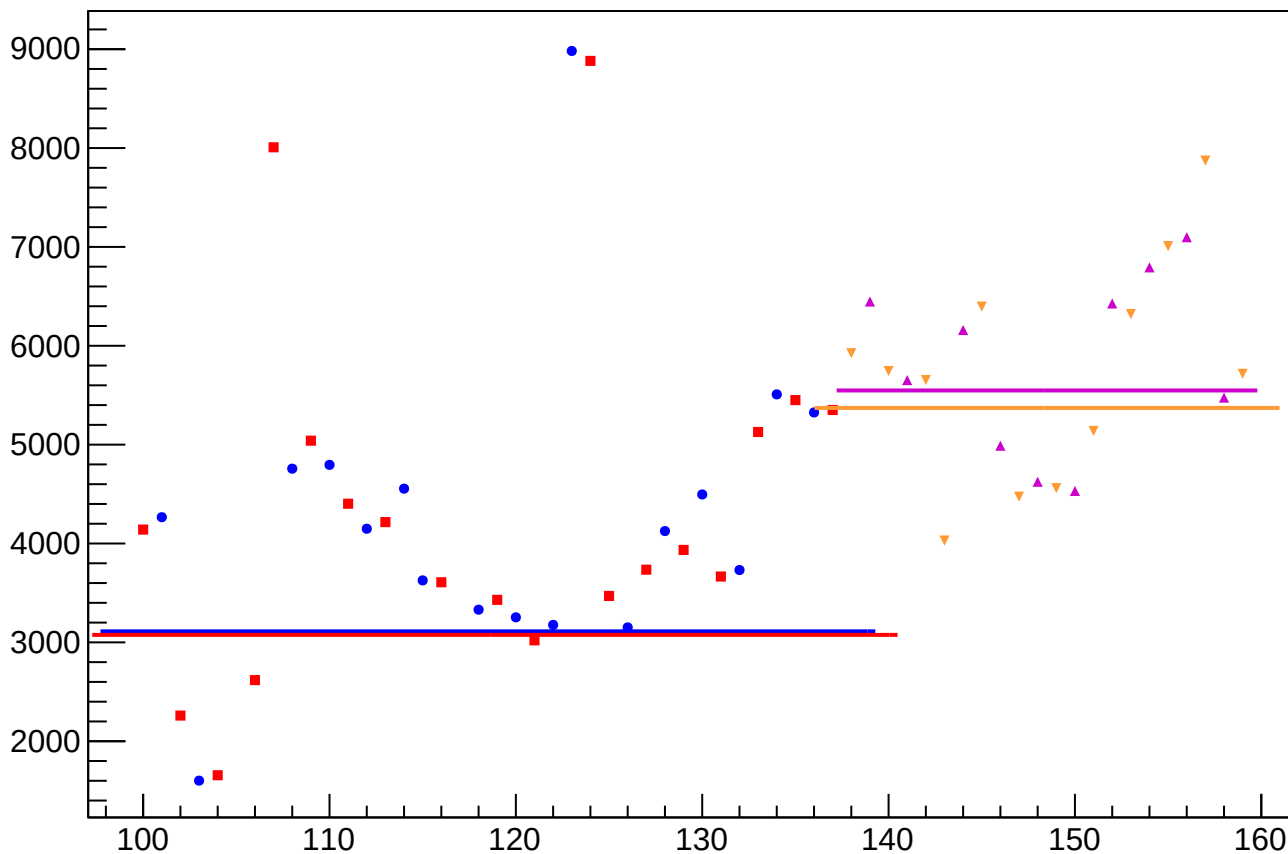
Right: 1143.505+/-914.731 χ^2/NDF : 42.0/35

In: 1772.556+/-1083.657 χ^2/NDF : 17.8/26

Out: 919.262+/-1052.633 χ^2/NDF : 44.9/30

All: 1333.520+/-755.054 χ^2/NDF : 63.0/57

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5371.493 $\pm$ 1.296 χ^2 /NDF: 604642.5/11

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

Left In: 5547.960 $\pm$ 1.384 χ^2 /NDF: 381485.6/9

Left: 5453.908 $\pm$ 0.946 χ^2 /NDF: 994793.1/21

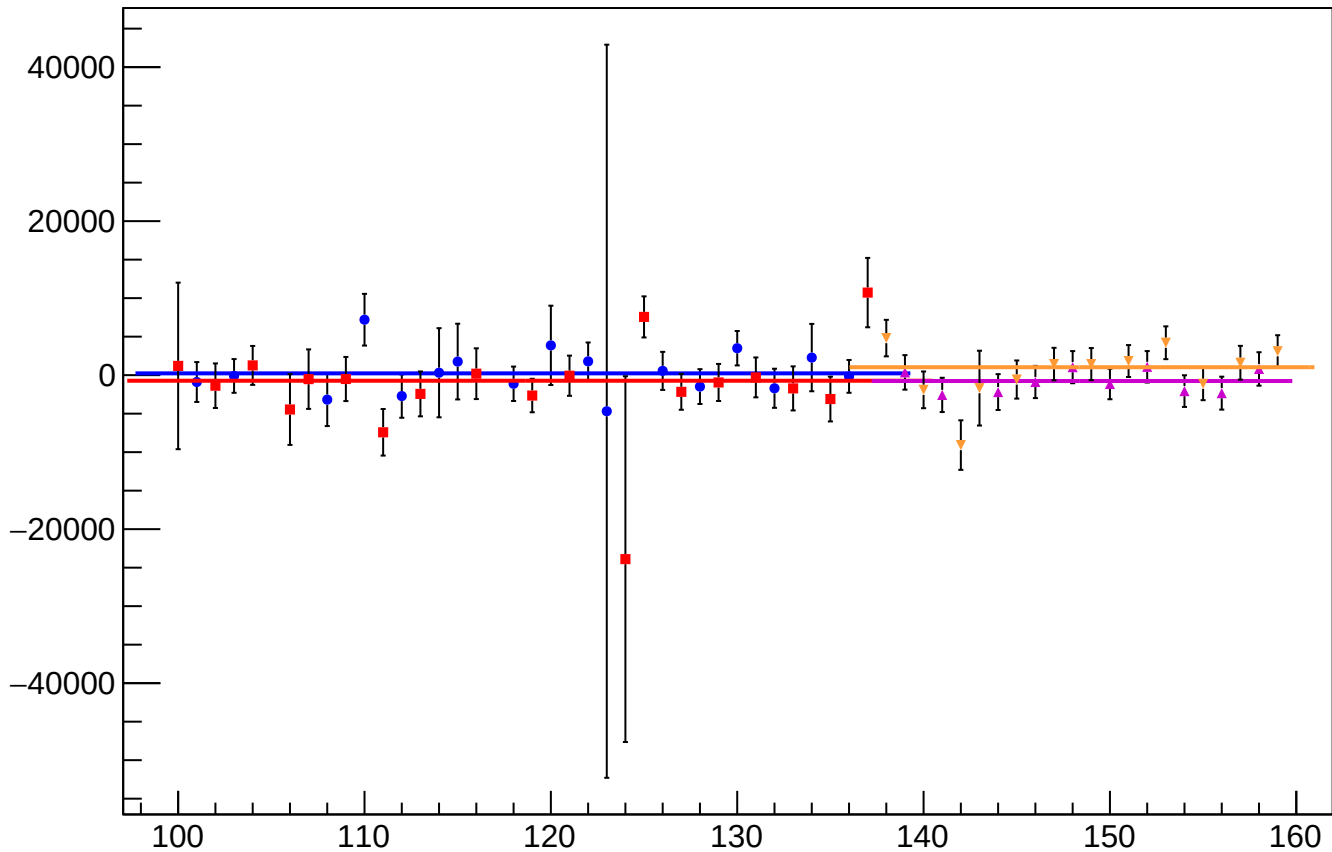
Right: 3093.209 $\pm$ 0.642 χ^2 /NDF: 3889323.9/35

In: 3858.410 $\pm$ 0.766 χ^2 /NDF: 4409562.5/26

Out: 3818.836 $\pm$ 0.737 χ^2 /NDF: 4737863.0/30

All: 3837.854 $\pm$ 0.531 χ^2 /NDF: 9148810.9/57

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 232.323 $\pm$ 686.786 χ^2 /NDF: 11.5/16

Left Out: 1029.821 $\pm$ 670.730 χ^2 /NDF:19.2/11

Right Out: -726.169 $\pm$ 684.175 χ^2 /NDF: 25.8/18

Left In: -761.774 $\pm$ 673.558 χ^2 /NDF:4.4/9

Left: 137.793 $\pm$ 475.275 χ^2 /NDF: 27.1/21

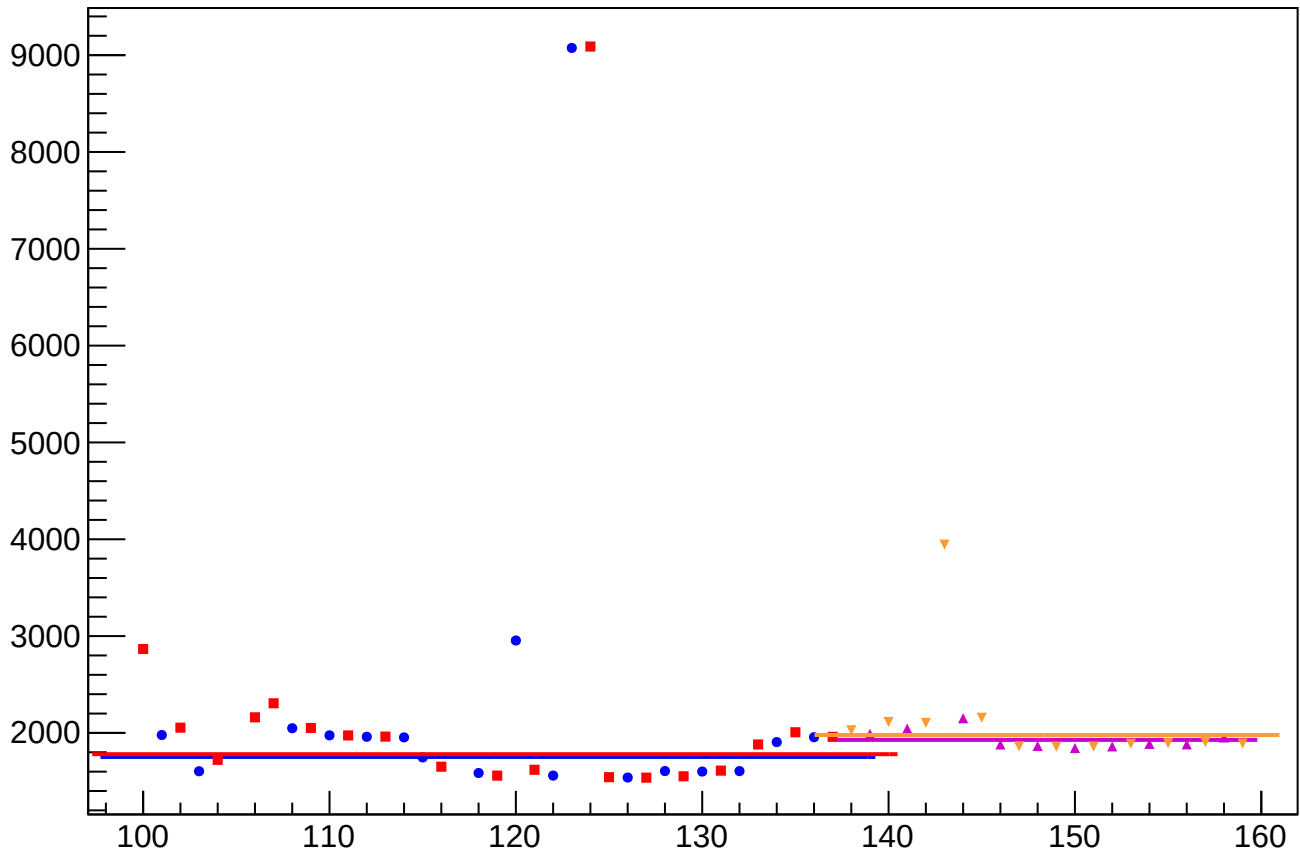
Right: -248.748 $\pm$ 484.705 χ^2 /NDF: 38.3/35

In: -274.391 $\pm$ 480.886 χ^2 /NDF:17.0/26

Out: 169.249 $\pm$ 478.961 χ^2 /NDF:48.4/30

All: -51.681 $\pm$ 339.355 χ^2 /NDF: 65.8/57

dit_asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 1978.429+/-0.474 χ^2/NDF : 380796.1/11

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

Left In: 1928.021+/-0.476 χ^2/NDF : 36139.9/9

Left: 1953.331+/-0.336 χ^2/NDF : 422560.2/21

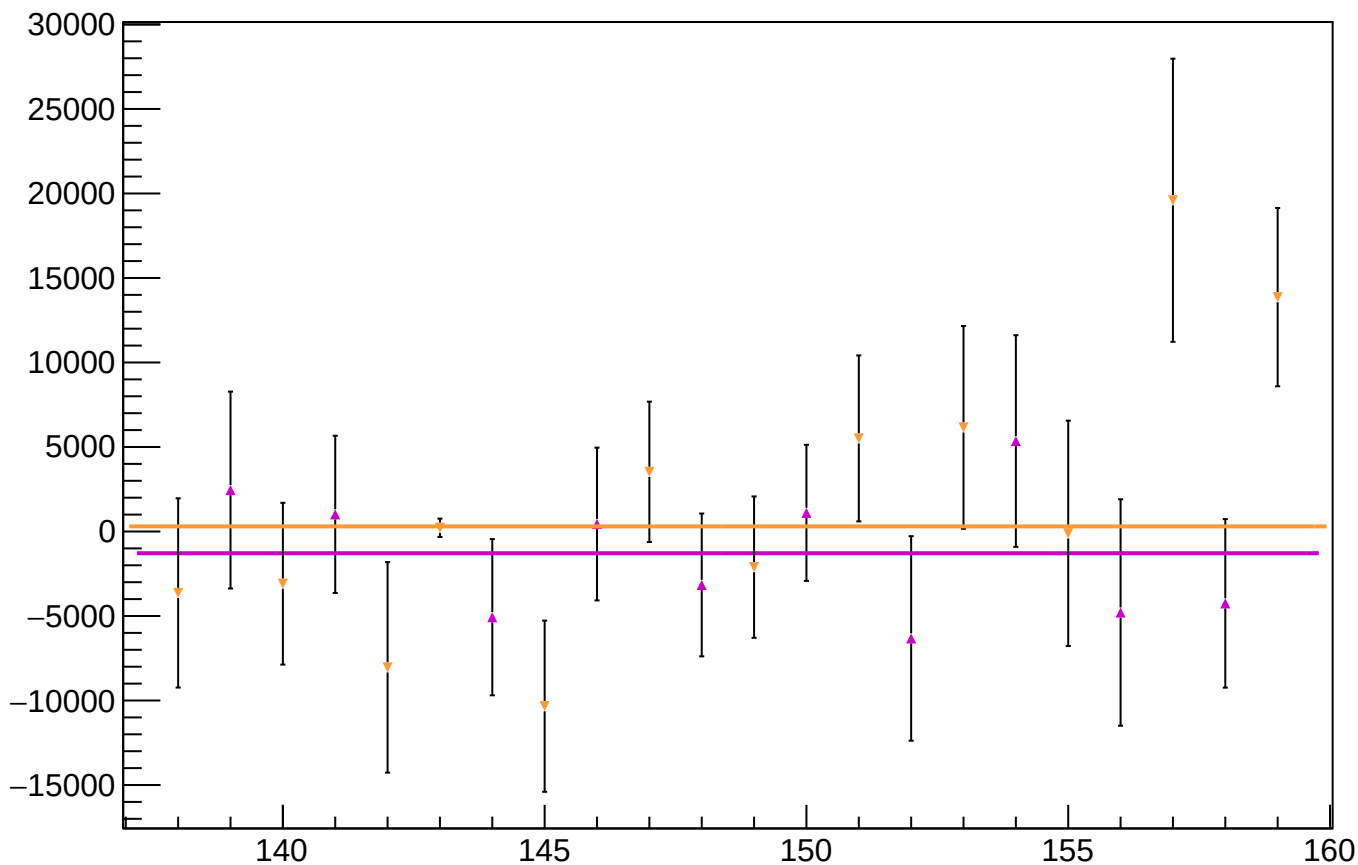
Right: 1766.106+/-0.342 χ^2/NDF : 730940.0/35

In: 1841.649+/-0.340 χ^2/NDF : 404117.8/26

Out: 1881.128+/-0.338 χ^2/NDF : 894866.2/30

All: 1861.483+/-0.240 χ^2/NDF : 1305756.4/57

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 302.218 ± 513.670 $\chi^2/\text{NDF}: 22.2/11$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -1285.304 ± 1572.301 $\chi^2/\text{NDF}: 4.5/9$

Left: 149.118 ± 488.273 $\chi^2/\text{NDF}: 27.6/21$

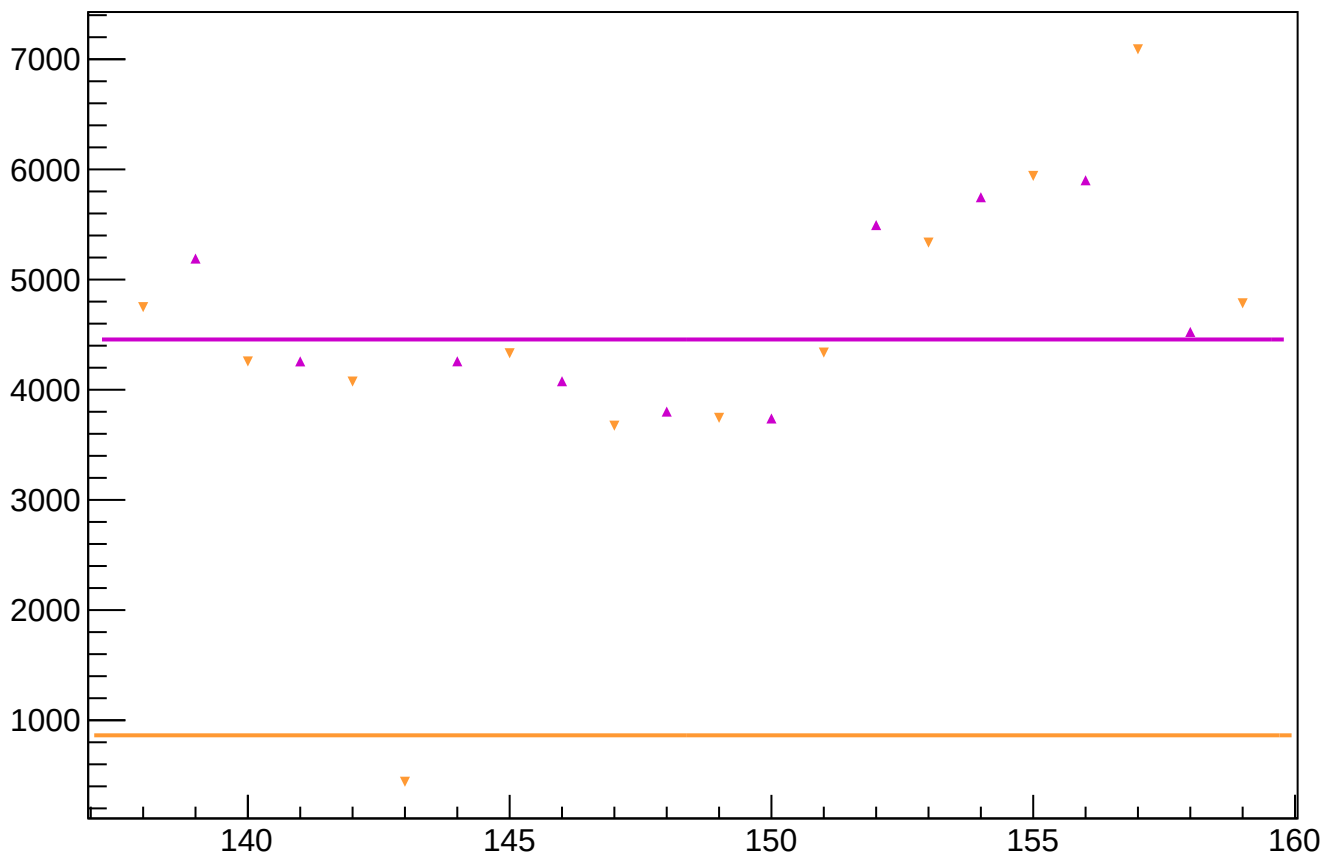
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -1285.304 ± 1572.301 $\chi^2/\text{NDF}: 4.5/9$

Out: 302.218 ± 513.670 $\chi^2/\text{NDF}: 22.2/11$

All: 149.118 ± 488.273 $\chi^2/\text{NDF}: 27.6/21$

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 863.231+/-0.363 χ^2/NDF :11992606.9/11

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

Left In: 4456.235+/-1.112 χ^2/NDF :401973.4/9

Left: 1209.738+/-0.345 χ^2/NDF : 21831525.9/21

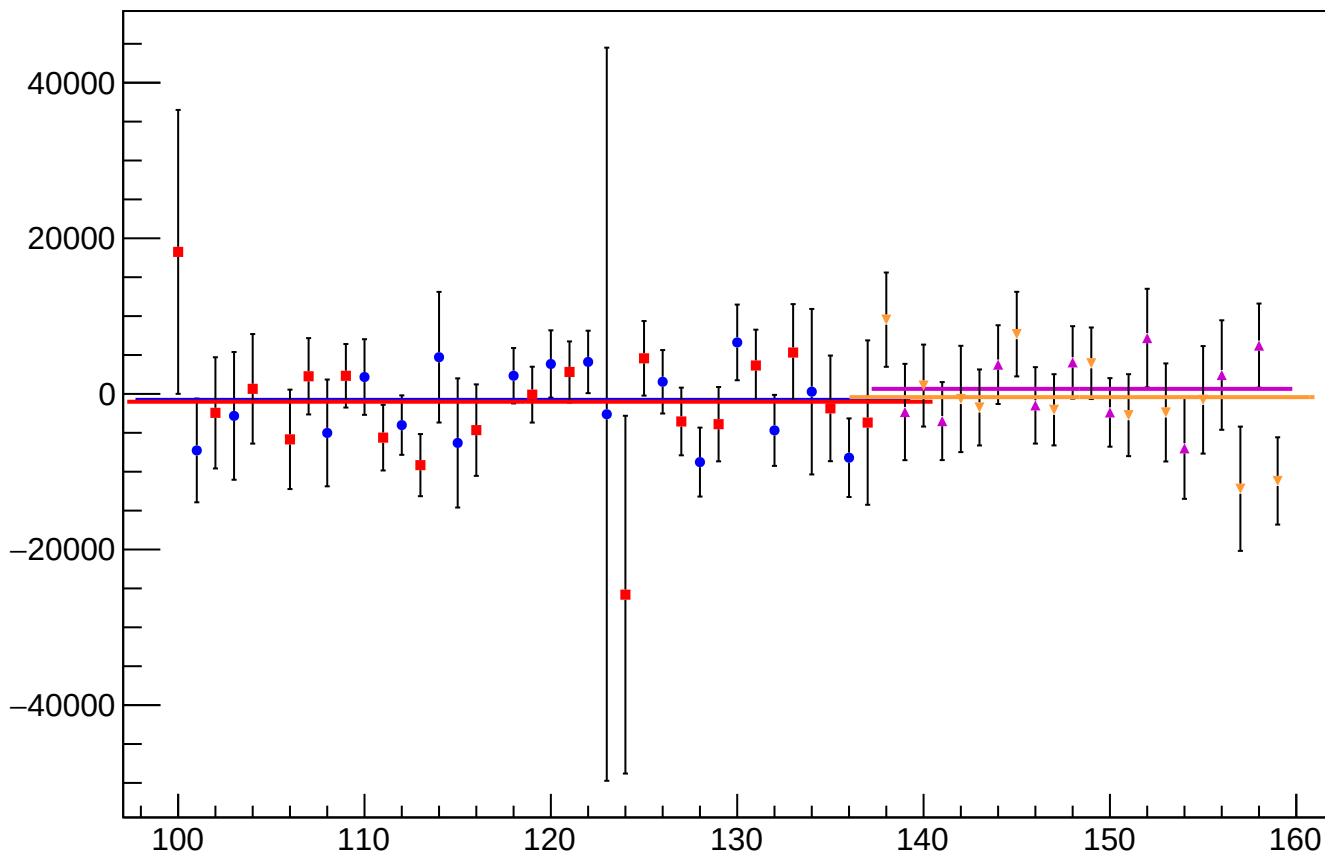
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4456.235+/-1.112 χ^2/NDF :401973.4/9

Out: 863.231+/-0.363 χ^2/NDF :11992606.9/11

All: 1209.738+/-0.345 χ^2/NDF : 21831525.9/21

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: -416.867 $\pm$ 1611.424 χ^2 /NDF:12.3/11

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

Left In: 646.483 $\pm$ 1697.333 χ^2 /NDF:6.1/9

Left: 87.217 $\pm$ 1168.640 χ^2 /NDF: 18.5/21

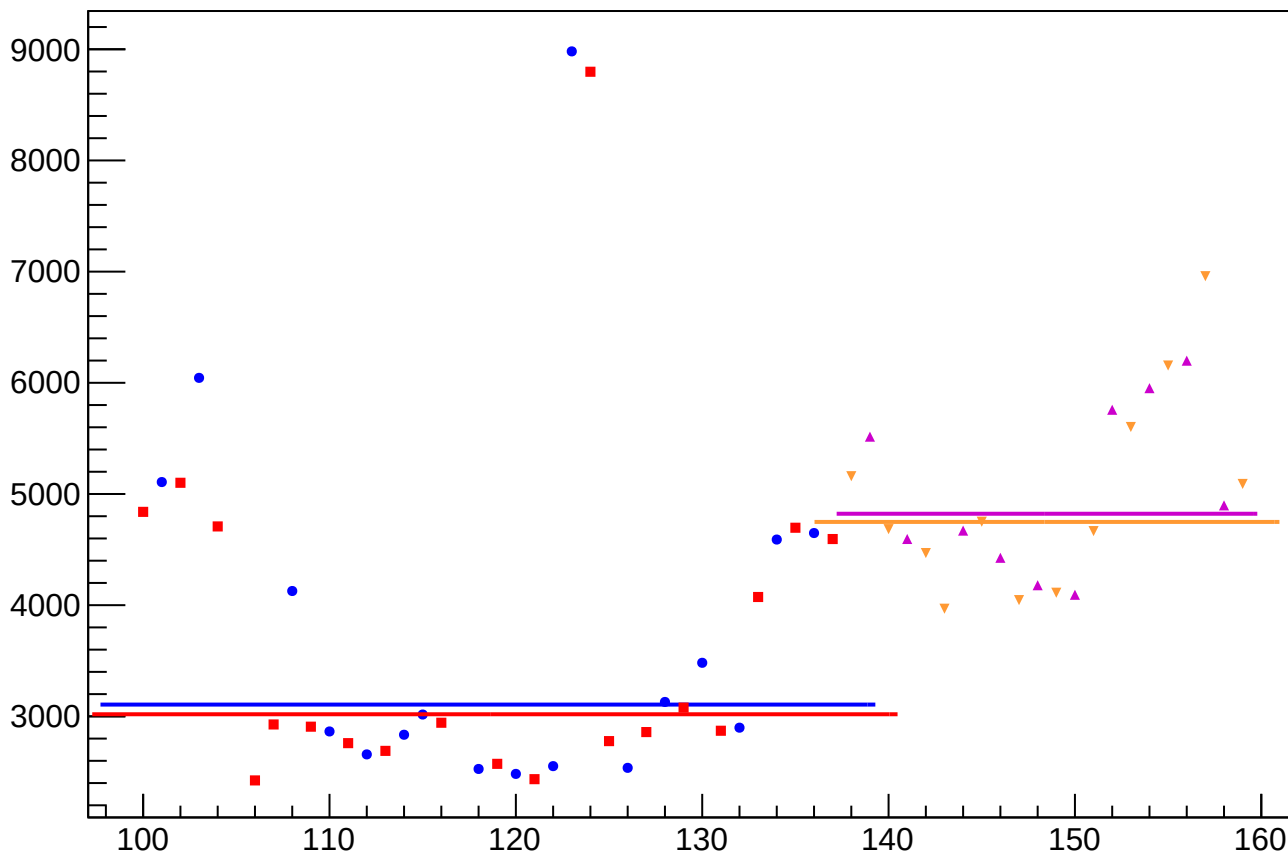
Right: -890.508 $\pm$ 861.557 χ^2 /NDF: 30.6/35

In: -269.916 $\pm$ 1005.309 χ^2 /NDF:22.0/26

Out: -797.063 $\pm$ 957.849 χ^2 /NDF:27.4/30

All: -546.226 $\pm$ 693.473 χ^2 /NDF: 49.5/57

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3105.849+/-0.882 χ^2/NDF : 959826.4/16

Left Out: 4748.756+/-1.139 χ^2/NDF : 430218.0/11

Right Out: 3018.781+/-0.832 χ^2/NDF : 794275.0/18

Left In: 4822.308+/-1.200 χ^2/NDF : 318010.0/9

Left: 4783.624+/-0.826 χ^2/NDF : 750203.3/21

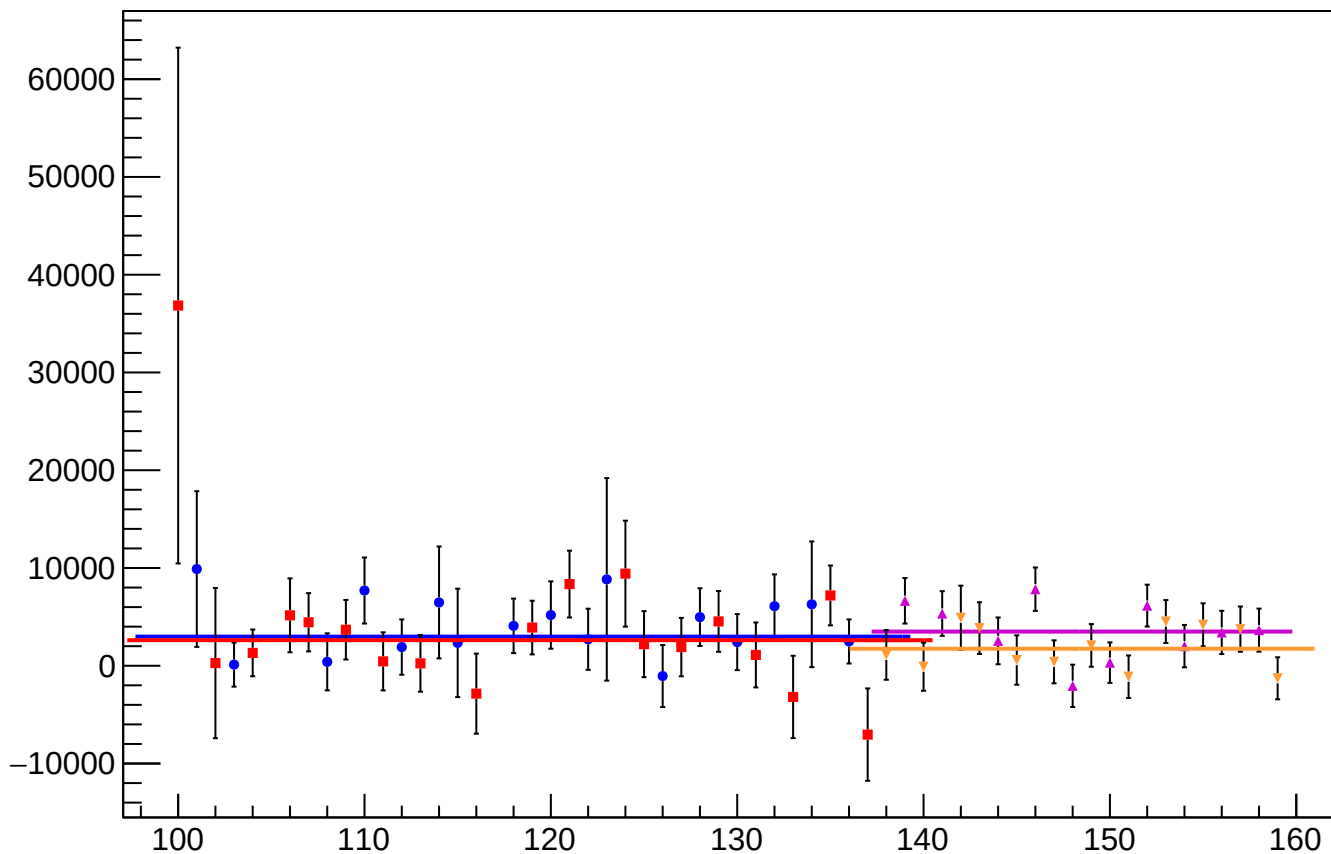
Right: 3059.752+/-0.605 χ^2/NDF : 1759257.8/35

In: 3707.986+/-0.711 χ^2/NDF : 2605657.7/26

Out: 3620.154+/-0.672 χ^2/NDF : 2728296.6/30

All: 3661.592+/-0.488 χ^2/NDF : 5342018.4/57

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2978.445+/-795.398 χ^2/NDF : 9.9/16

Left Out: 1741.807+/-680.712 χ^2/NDF :10.1/11

Right Out: 2613.881+/-783.228 χ^2/NDF : 19.6/18

Left In: 3495.468+/-699.789 χ^2/NDF :17.4/9

Left: 2594.409+/-487.941 χ^2/NDF : 30.7/21

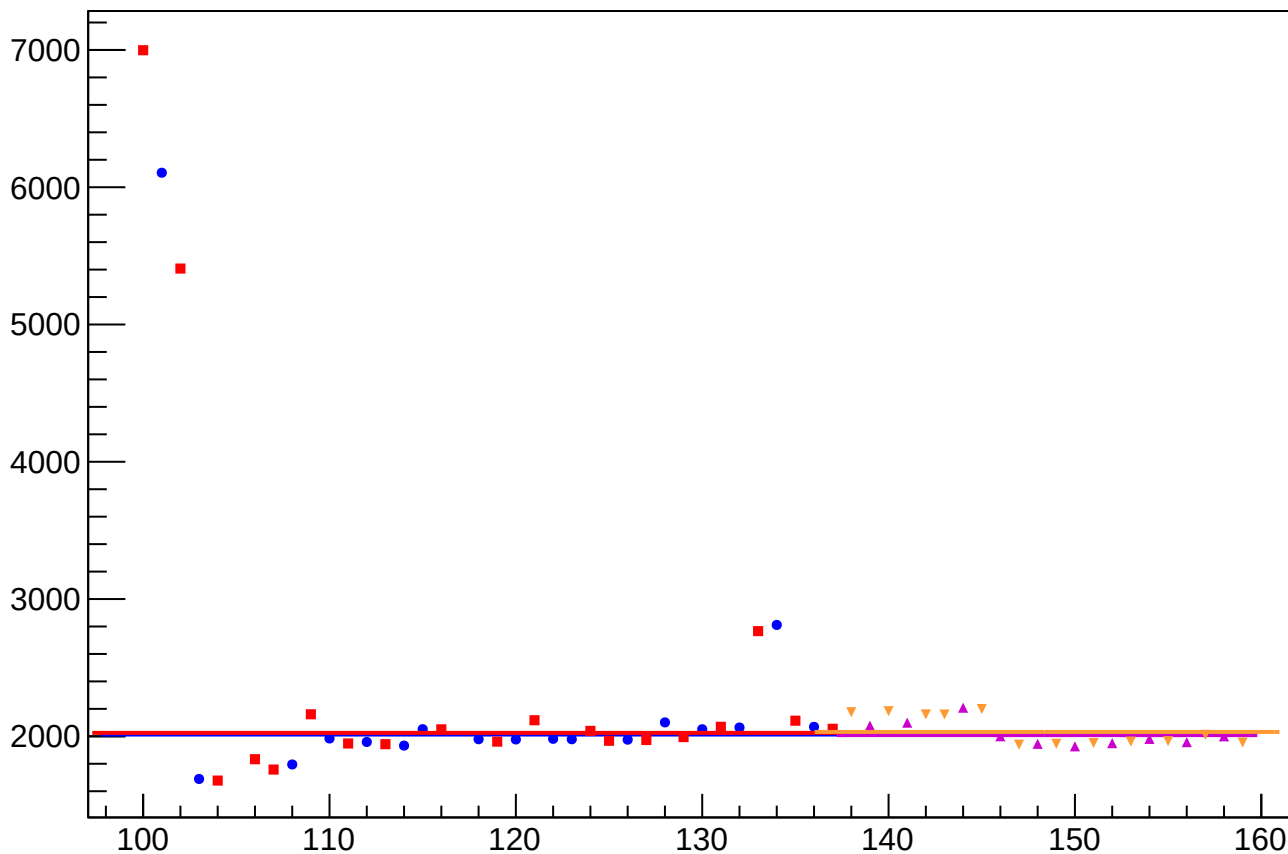
Right: 2793.353+/-558.079 χ^2/NDF : 29.6/35

In: 3269.883+/-525.394 χ^2/NDF :27.5/26

Out: 2117.073+/-513.784 χ^2/NDF :30.4/30

All: 2680.601+/-367.336 χ^2/NDF : 60.4/57

dit_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 2031.801+/-0.481 χ^2/NDF : 46359.7/11

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

Left In: 2008.652+/-0.495 χ^2/NDF : 26654.8/9

Left: 2020.546+/-0.345 χ^2/NDF : 74139.0/21

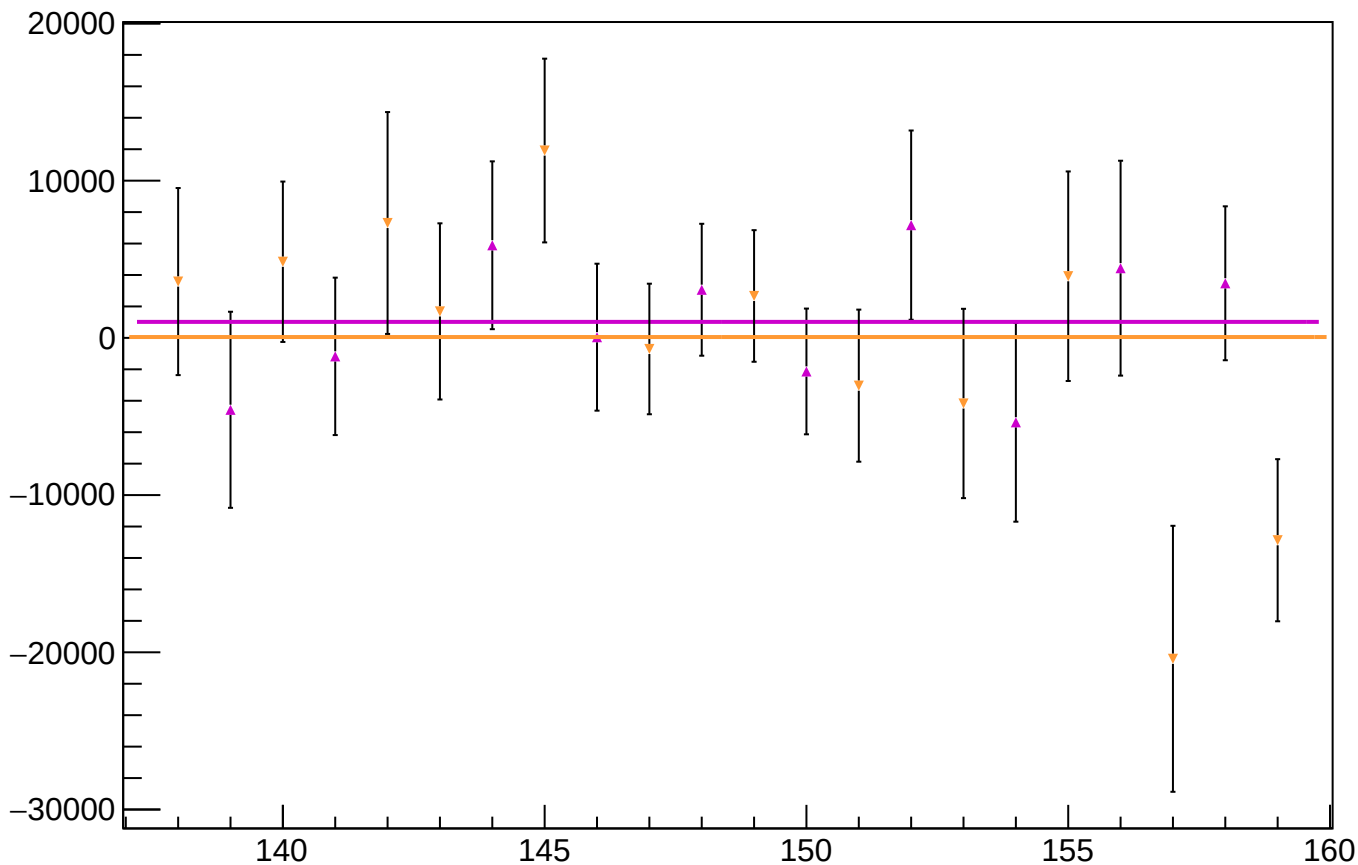
Right: 2019.103+/-0.395 χ^2/NDF : 1215366.0/35

In: 2010.525+/-0.372 χ^2/NDF : 644395.0/26

Out: 2028.904+/-0.363 χ^2/NDF : 643866.4/30

All: 2019.921+/-0.260 χ^2/NDF : 1289512.6/57

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 53.245+/-1566.711 χ^2/NDF :20.3/11

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

Left In: 1017.451+/-1618.873 χ^2/NDF :5.3/9

Left: 519.564+/-1125.821 χ^2/NDF : 25.8/21

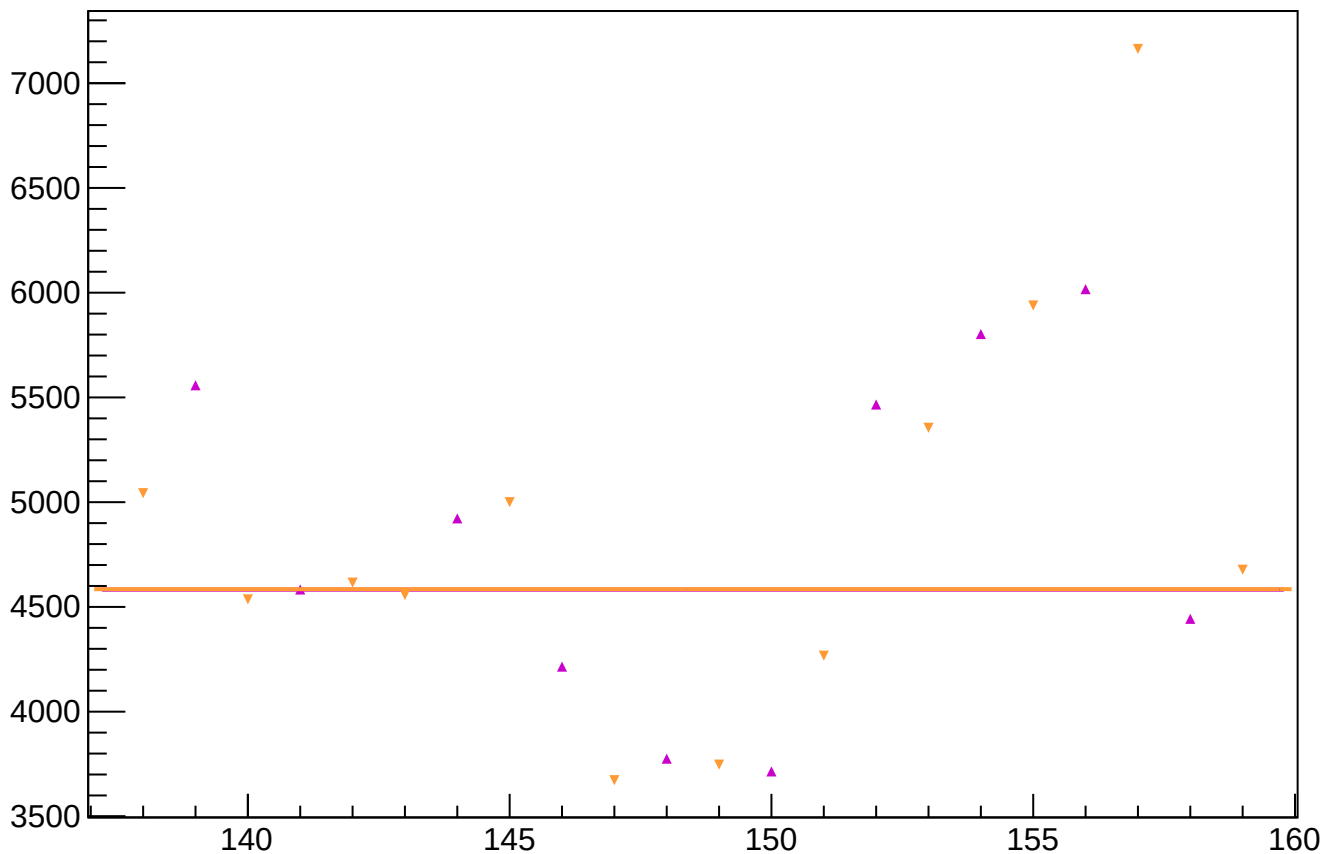
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1017.451+/-1618.873 χ^2/NDF :5.3/9

Out: 53.245+/-1566.711 χ^2/NDF :20.3/11

All: 519.564+/-1125.821 χ^2/NDF : 25.8/21

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4584.686+/-1.108 χ^2/NDF : 509157.9/11

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

Left In: 4582.361+/-1.145 χ^2/NDF : 444861.7/9

Left: 4583.561+/-0.796 χ^2/NDF : 954021.7/21

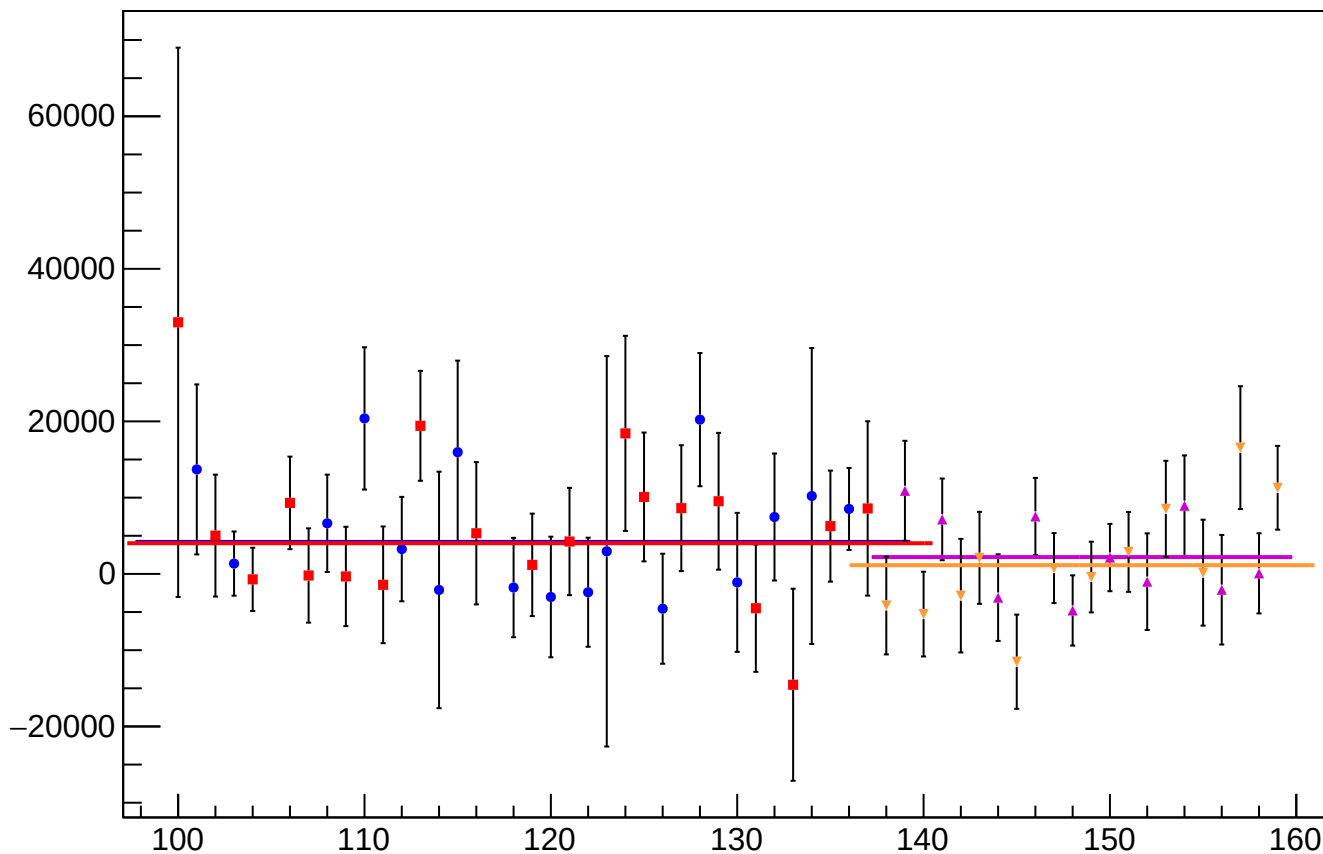
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4582.361+/-1.145 χ^2/NDF : 444861.7/9

Out: 4584.686+/-1.108 χ^2/NDF : 509157.9/11

All: 4583.561+/-0.796 χ^2/NDF : 954021.7/21

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1141.663+/-1682.055 χ^2/NDF : 15.2/11

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

Left In: 2204.948+/-1740.053 χ^2/NDF : 8.7/9

Left: 1655.290+/-1209.377 χ^2/NDF : 24.1/21

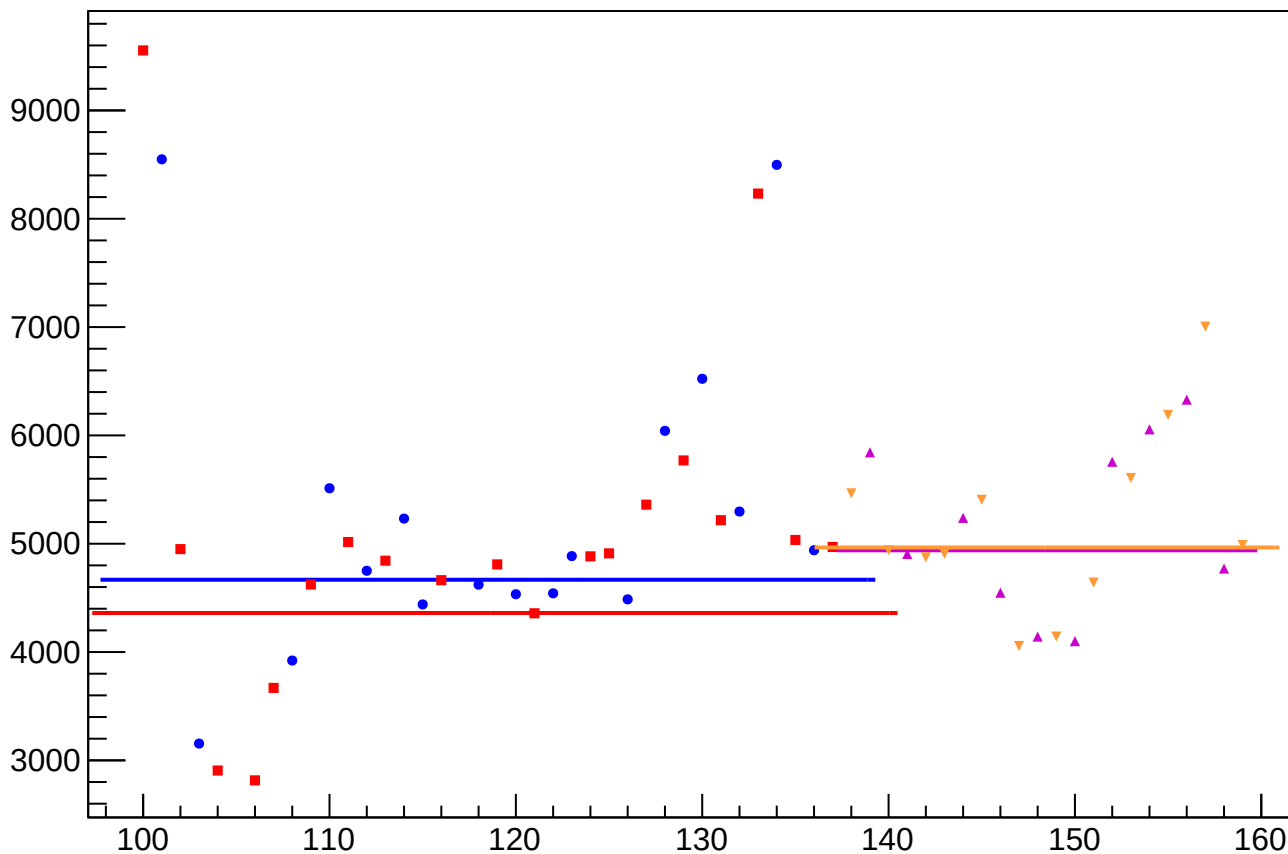
Right: 4104.755+/-1264.177 χ^2/NDF : 29.0/35

In: 3136.676+/-1269.992 χ^2/NDF : 23.4/26

Out: 2546.194+/-1204.352 χ^2/NDF : 31.5/30

All: 2825.782+/-873.890 χ^2/NDF : 55.1/57

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4667.470 $\pm$ 1.314 χ^2/NDF : 777857.9/16

Left Out: 4965.223 $\pm$ 1.189 χ^2/NDF : 383044.6/11

Right Out: 4360.582 $\pm$ 1.213 χ^2/NDF : 832745.2/18

Left In: 4939.292 $\pm$ 1.230 χ^2/NDF : 355217.1/9

Left: 4952.697 $\pm$ 0.855 χ^2/NDF : 738491.3/21

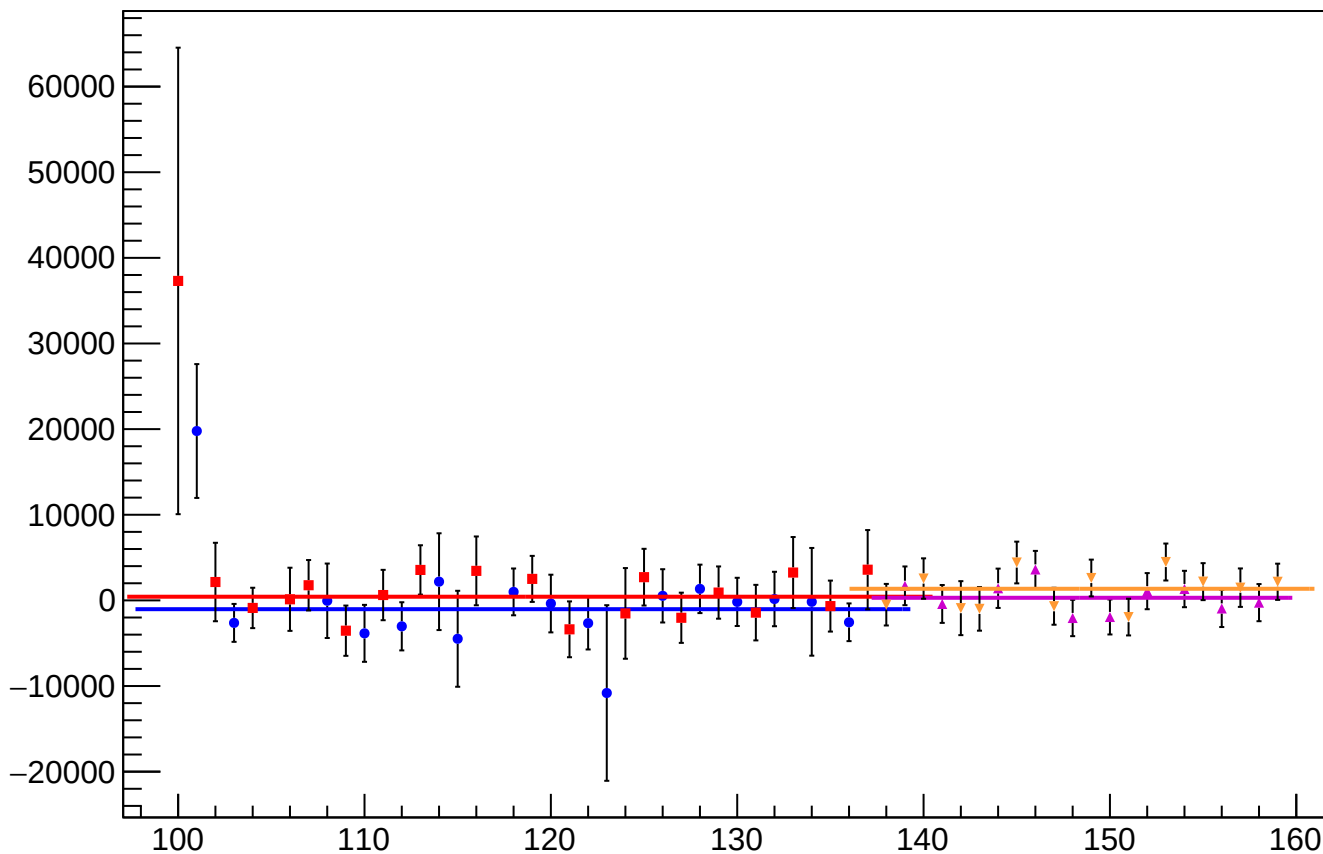
Right: 4501.800 $\pm$ 0.891 χ^2/NDF : 1640064.7/35

In: 4812.268 $\pm$ 0.898 χ^2/NDF : 1155882.4/26

Out: 4668.806 $\pm$ 0.849 χ^2/NDF : 1342482.4/30

All: 4736.531 $\pm$ 0.617 χ^2/NDF : 2511838.0/57

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1027.051 ± 796.597 $\chi^2/\text{NDF}: 13.1/16$

Left Out: 1356.304 ± 663.280 $\chi^2/\text{NDF}: 9.8/11$

Right Out: 428.488 ± 760.817 $\chi^2/\text{NDF}: 10.8/18$

Left In: 303.823 ± 684.382 $\chi^2/\text{NDF}: 6.3/9$

Left: 846.540 ± 476.295 $\chi^2/\text{NDF}: 17.3/21$

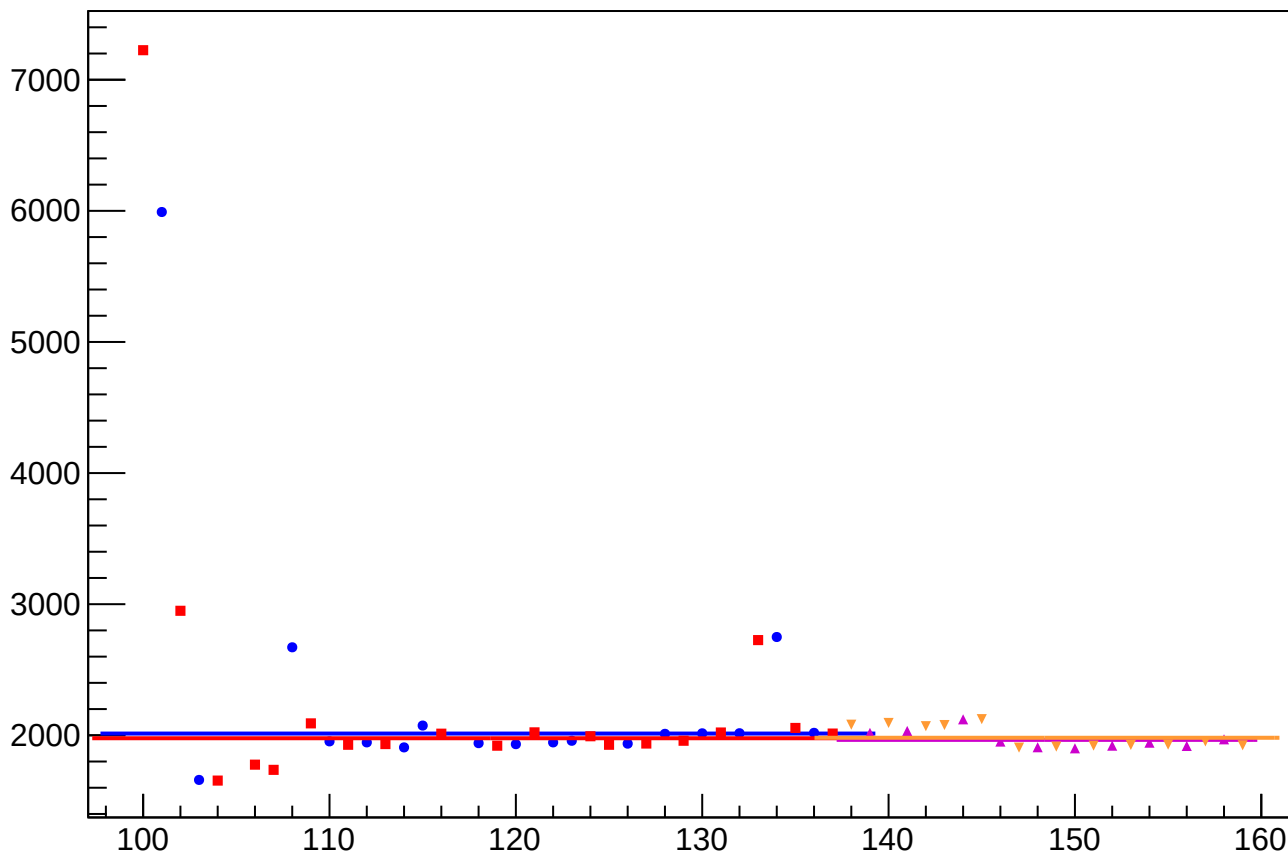
Right: -265.860 ± 550.193 $\chi^2/\text{NDF}: 25.6/35$

In: -261.348 ± 519.111 $\chi^2/\text{NDF}: 20.9/26$

Out: 955.646 ± 499.961 $\chi^2/\text{NDF}: 21.4/30$

All: 370.010 ± 360.105 $\chi^2/\text{NDF}: 45.2/57$

dit_asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 1981.135+/-0.469 χ^2/NDF : 29410.8/11

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

Left In: 1965.066+/-0.484 χ^2/NDF : 17788.0/9

Left: 1973.352+/-0.337 χ^2/NDF : 47767.4/21

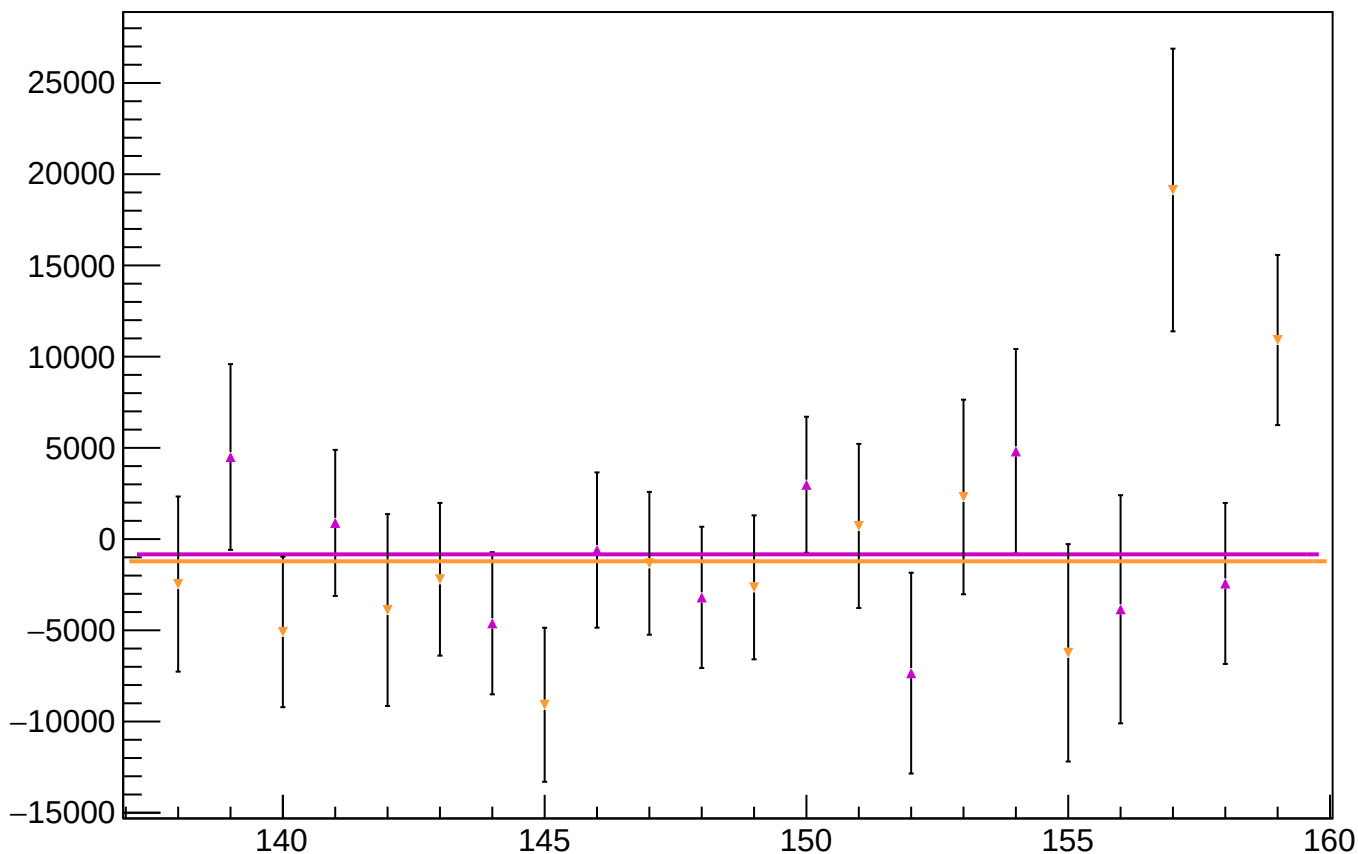
Right: 1994.568+/-0.389 χ^2/NDF : 947053.5/35

In: 1985.536+/-0.367 χ^2/NDF : 672050.1/26

Out: 1979.583+/-0.353 χ^2/NDF : 324335.3/30

All: 1982.447+/-0.255 χ^2/NDF : 996521.9/57

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1216.636+/-1340.653 χ^2/NDF :19.9/11

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

Left In: -836.376+/-1410.830 χ^2/NDF :6.4/9

Left: -1036.198+/-971.847 χ^2/NDF : 26.3/21

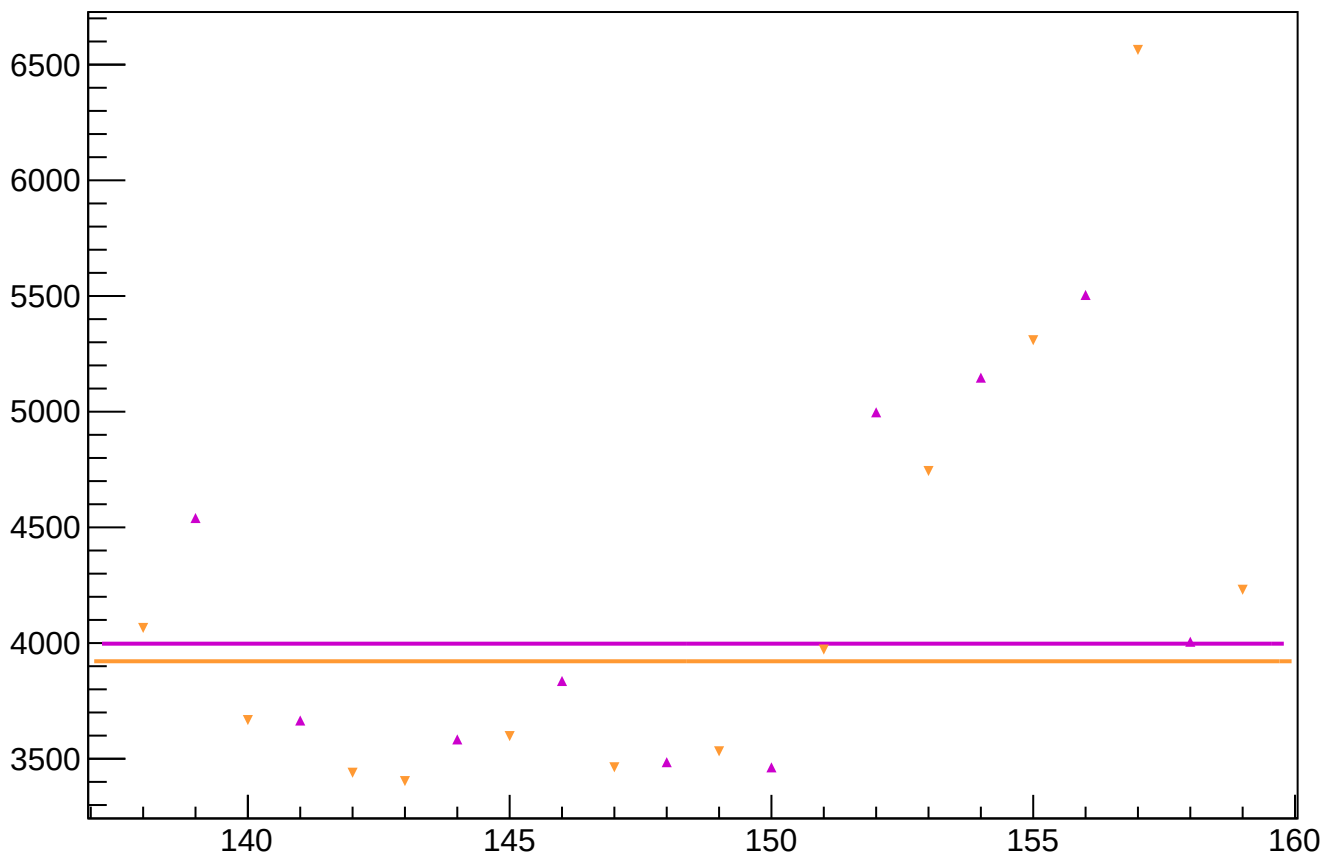
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -836.376+/-1410.830 χ^2/NDF :6.4/9

Out: -1216.636+/-1340.653 χ^2/NDF :19.9/11

All: -1036.198+/-971.847 χ^2/NDF : 26.3/21

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3921.343+/-0.948 χ^2/NDF :513100.2/11

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

Left In: 3997.365+/-0.998 χ^2/NDF :404301.7/9

Left: 3957.417+/-0.687 χ^2/NDF : 920453.4/21

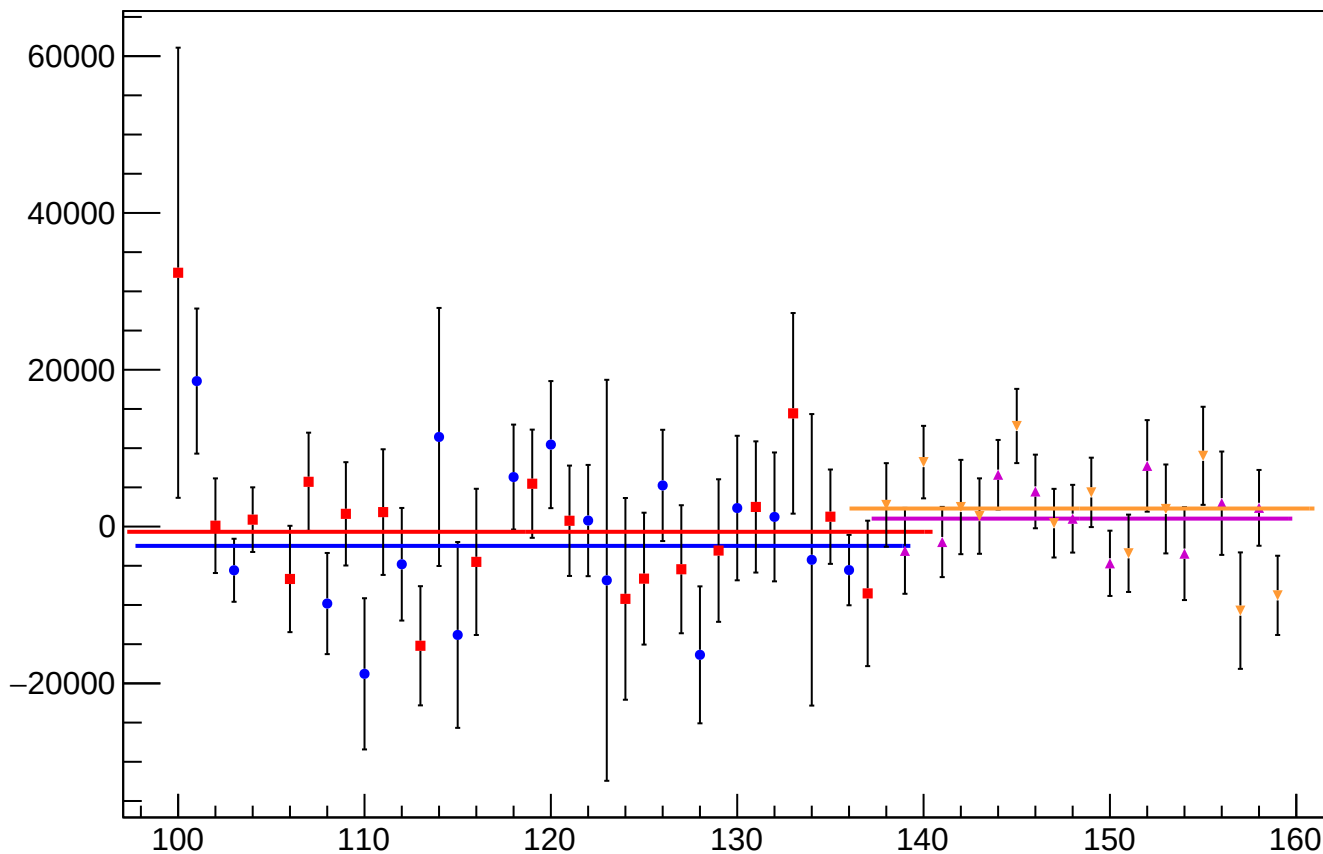
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3997.365+/-0.998 χ^2/NDF :404301.7/9

Out: 3921.343+/-0.948 χ^2/NDF :513100.2/11

All: 3957.417+/-0.687 χ^2/NDF : 920453.4/21

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 2301.604+/-1481.335 χ^2/NDF : 17.4/11

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

Left In: 1014.615+/-1553.422 χ^2/NDF : 7.1/9

Left: 1688.663+/-1072.041 χ^2/NDF : 24.9/21

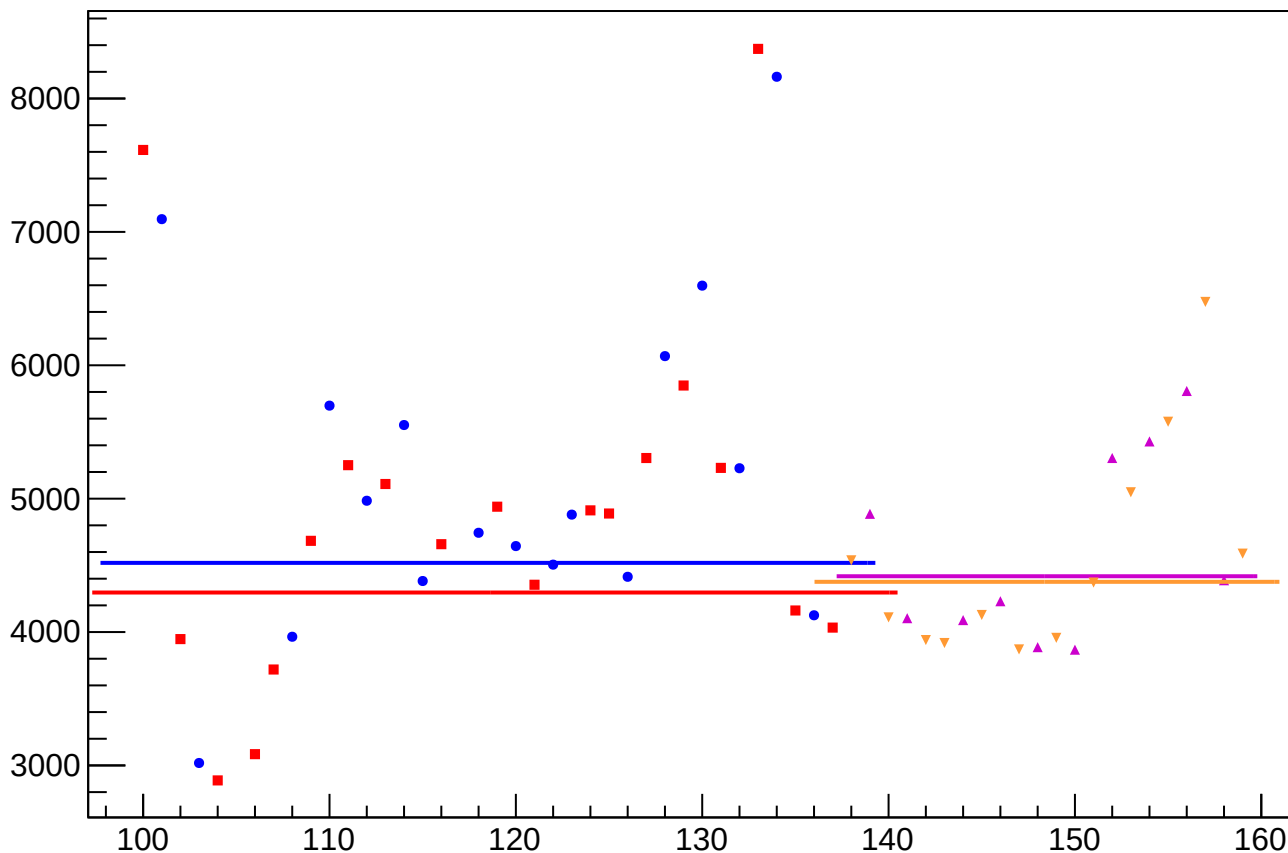
Right: -1508.905+/-1231.122 χ^2/NDF : 33.3/35

In: -472.100+/-1175.272 χ^2/NDF : 30.1/26

Out: 1011.984+/-1113.919 χ^2/NDF : 31.0/30

All: 309.689+/-808.480 χ^2/NDF : 61.9/57

asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 4376.590 ± 1.047 χ^2/NDF : 352328.7/11

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

Left In: 4418.404 ± 1.098 χ^2/NDF : 297217.7/9

Left: 4396.504 ± 0.758 χ^2/NDF : 650305.3/21

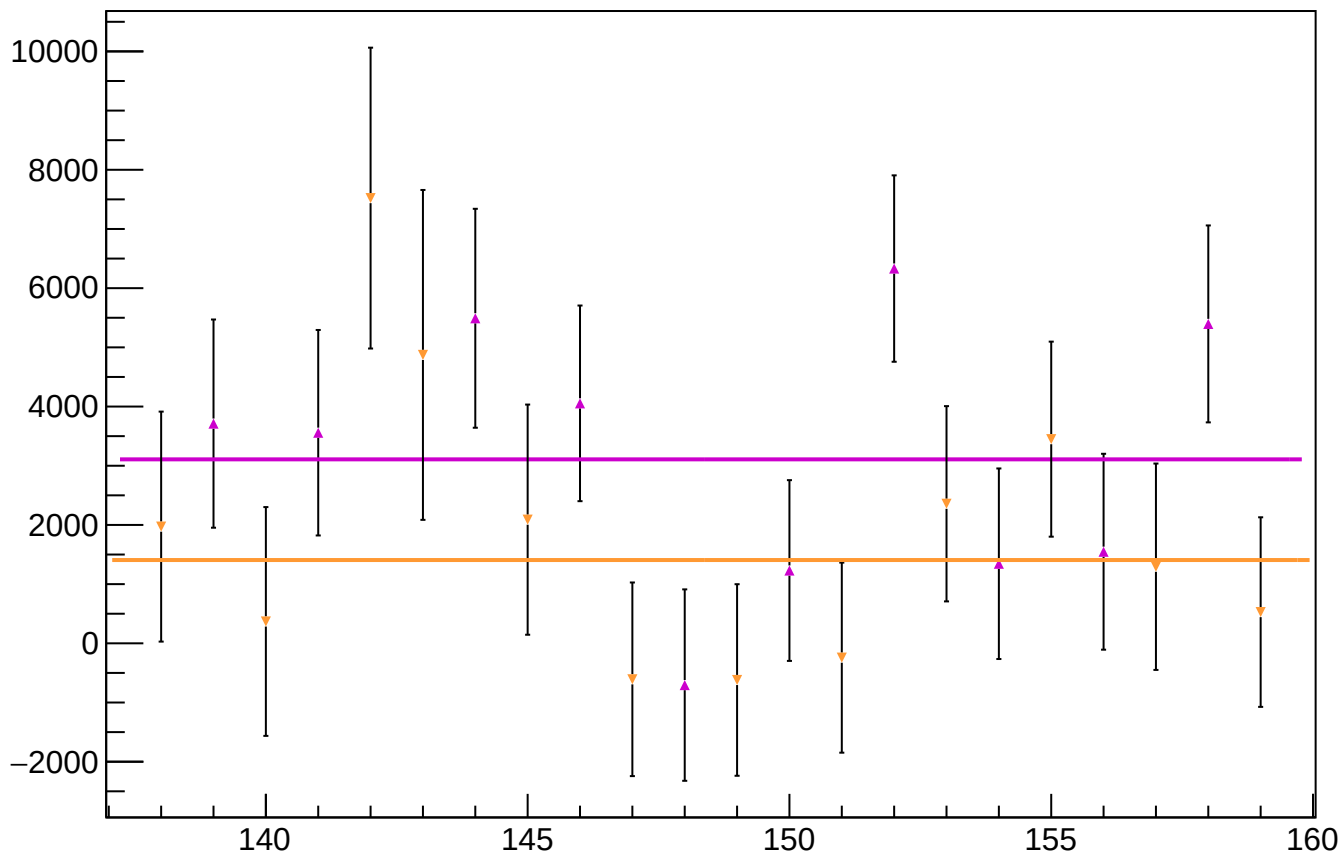
Right: 4400.071 ± 0.868 χ^2/NDF : 1558255.2/35

In: 4461.284 ± 0.831 χ^2/NDF : 1071008.4/26

Out: 4341.516 ± 0.786 χ^2/NDF : 1126595.3/30

All: 4398.048 ± 0.571 χ^2/NDF : 2208570.1/57

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: 1407.082+/-521.326 χ^2/NDF :14.1/11

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

Left In: 3107.939+/-524.071 χ^2/NDF :17.4/9

Left: 2253.045+/-369.600 χ^2/NDF : 36.9/21

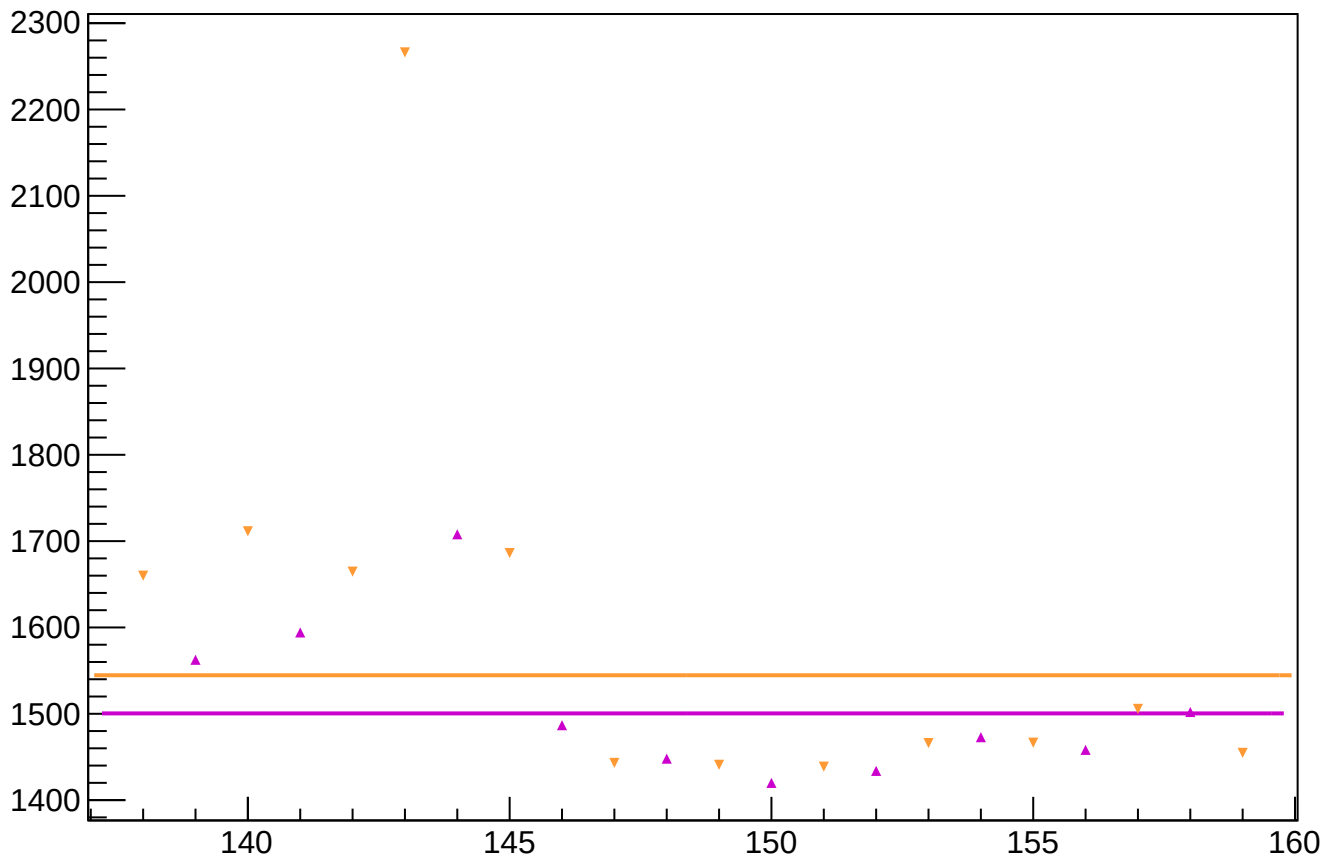
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3107.939+/-524.071 χ^2/NDF :17.4/9

Out: 1407.082+/-521.326 χ^2/NDF :14.1/11

All: 2253.045+/-369.600 χ^2/NDF : 36.9/21

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: 1544.631+/-0.369 χ^2/NDF :212054.6/11

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

Left In: 1500.443+/-0.371 χ^2/NDF :46770.8/9

Left: 1522.653+/-0.261 χ^2/NDF : 265971.9/21

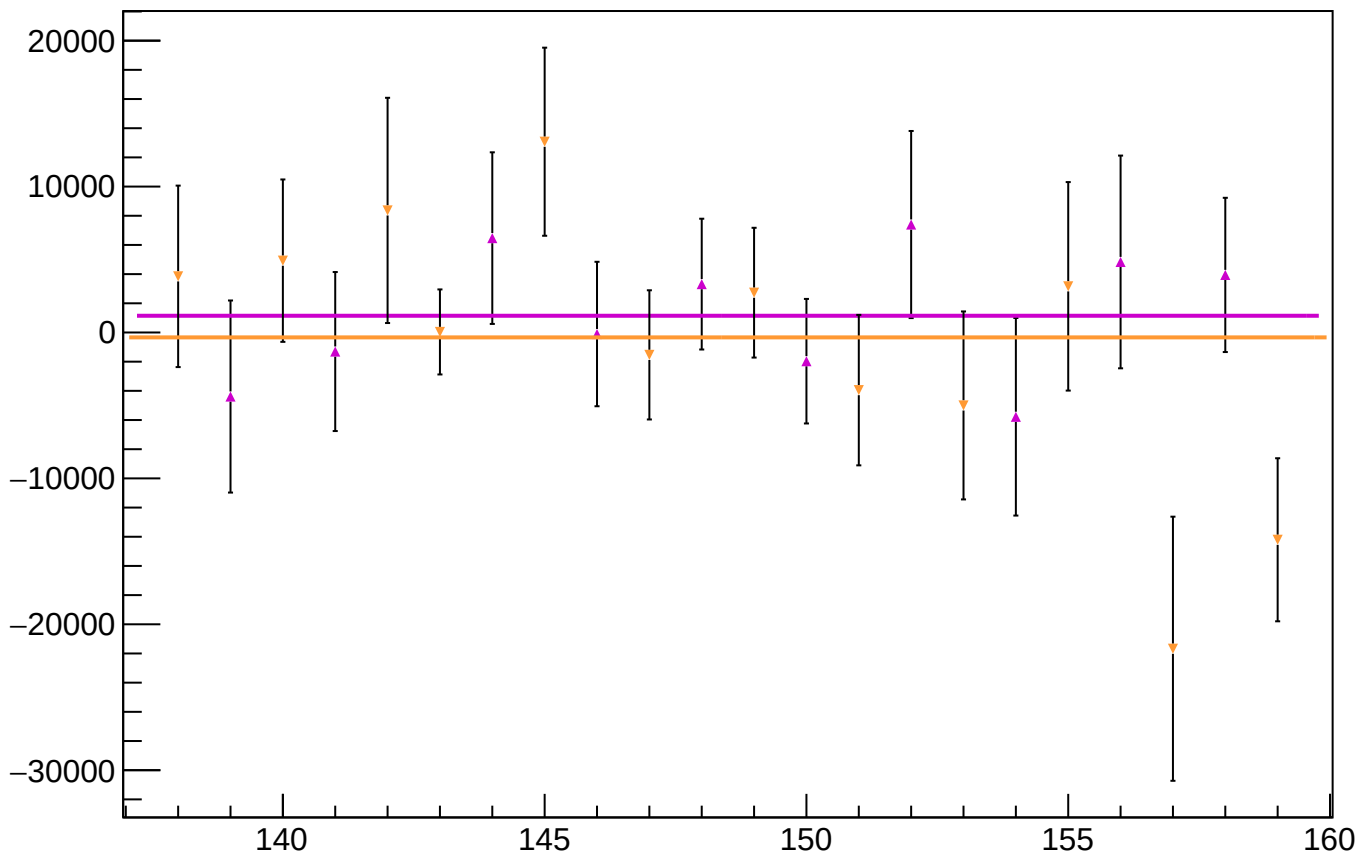
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1500.443+/-0.371 χ^2/NDF :46770.8/9

Out: 1544.631+/-0.369 χ^2/NDF :212054.6/11

All: 1522.653+/-0.261 χ^2/NDF : 265971.9/21

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: -336.129+/-1500.968 χ^2/NDF :20.5/11

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

Left In: 1146.300+/-1735.736 χ^2/NDF :5.1/9

Left: 298.123+/-1135.345 χ^2/NDF : 26.0/21

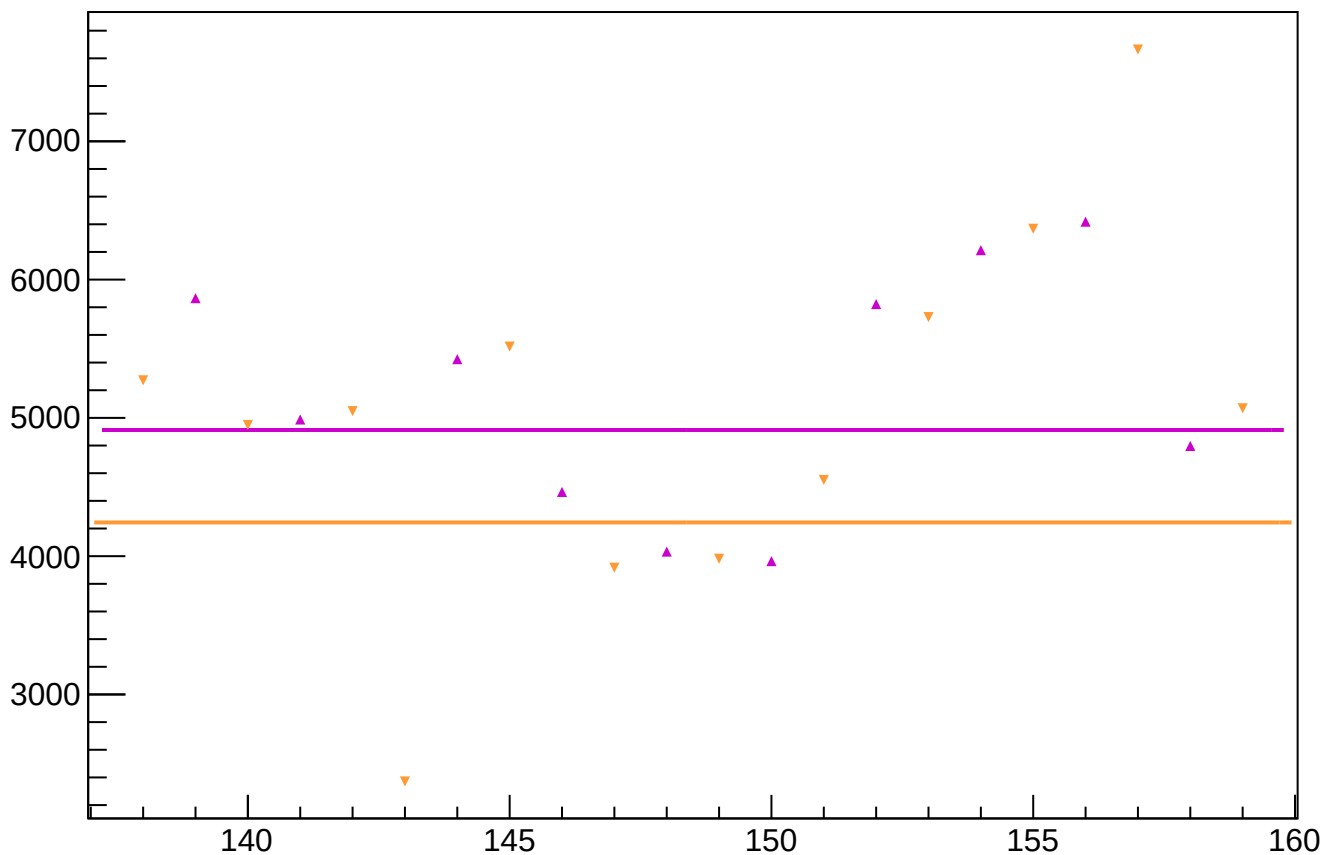
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1146.300+/-1735.736 χ^2/NDF :5.1/9

Out: -336.129+/-1500.968 χ^2/NDF :20.5/11

All: 298.123+/-1135.345 χ^2/NDF : 26.0/21

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: 4243.839+/-1.061 χ^2 /NDF:1649981.9/11

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

Left In: 4912.496+/-1.227 χ^2 /NDF:450116.2/9

Left: 4529.921+/-0.803 χ^2 /NDF: 2269915.5/21

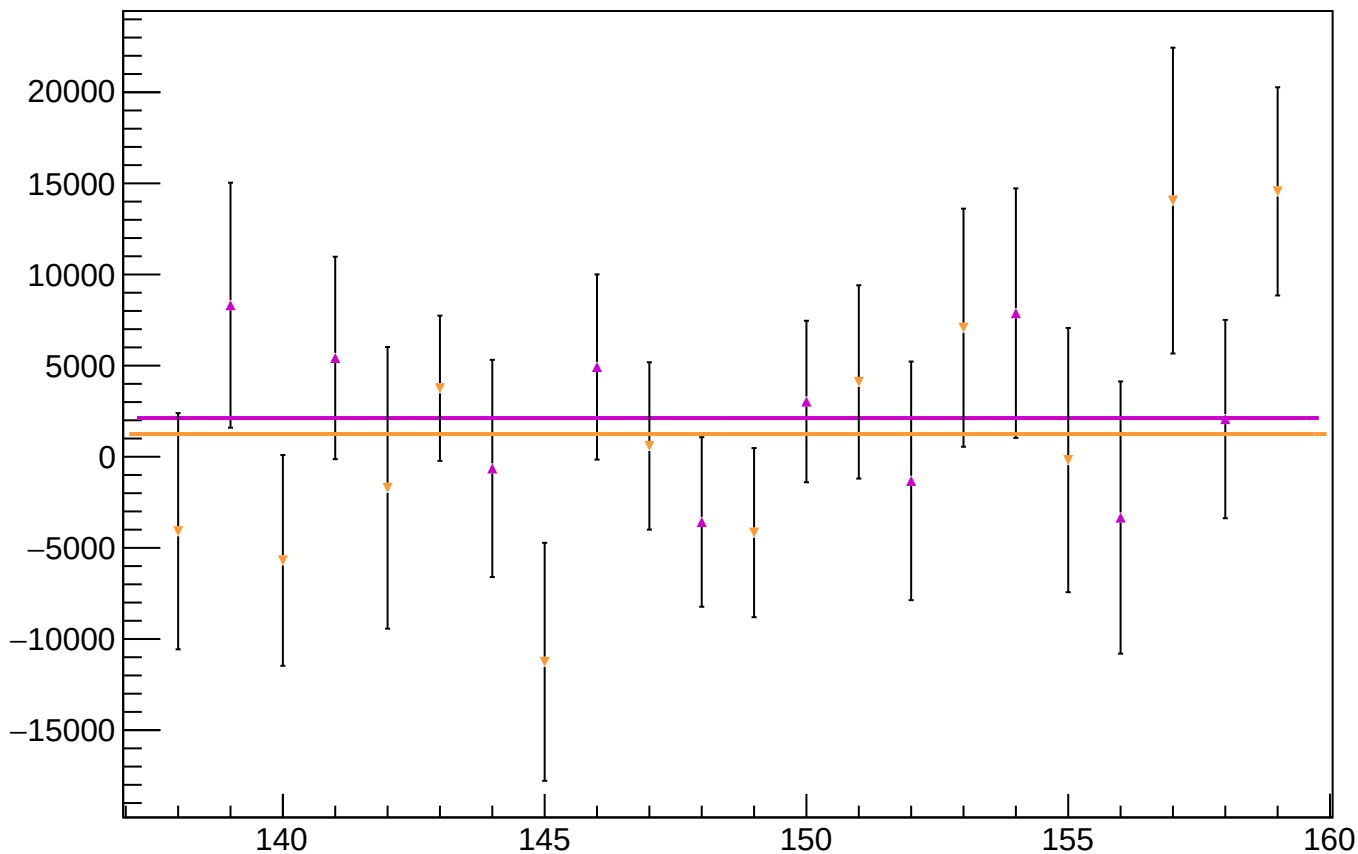
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 4912.496+/-1.227 χ^2 /NDF:450116.2/9

Out: 4243.839+/-1.061 χ^2 /NDF:1649981.9/11

All: 4529.921+/-0.803 χ^2 /NDF: 2269915.5/21

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: 1246.521+/-1635.866 χ^2/NDF :16.6/11

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

Left In: 2123.866+/-1781.879 χ^2/NDF :4.8/9

Left: 1647.780+/-1205.051 χ^2/NDF : 21.5/21

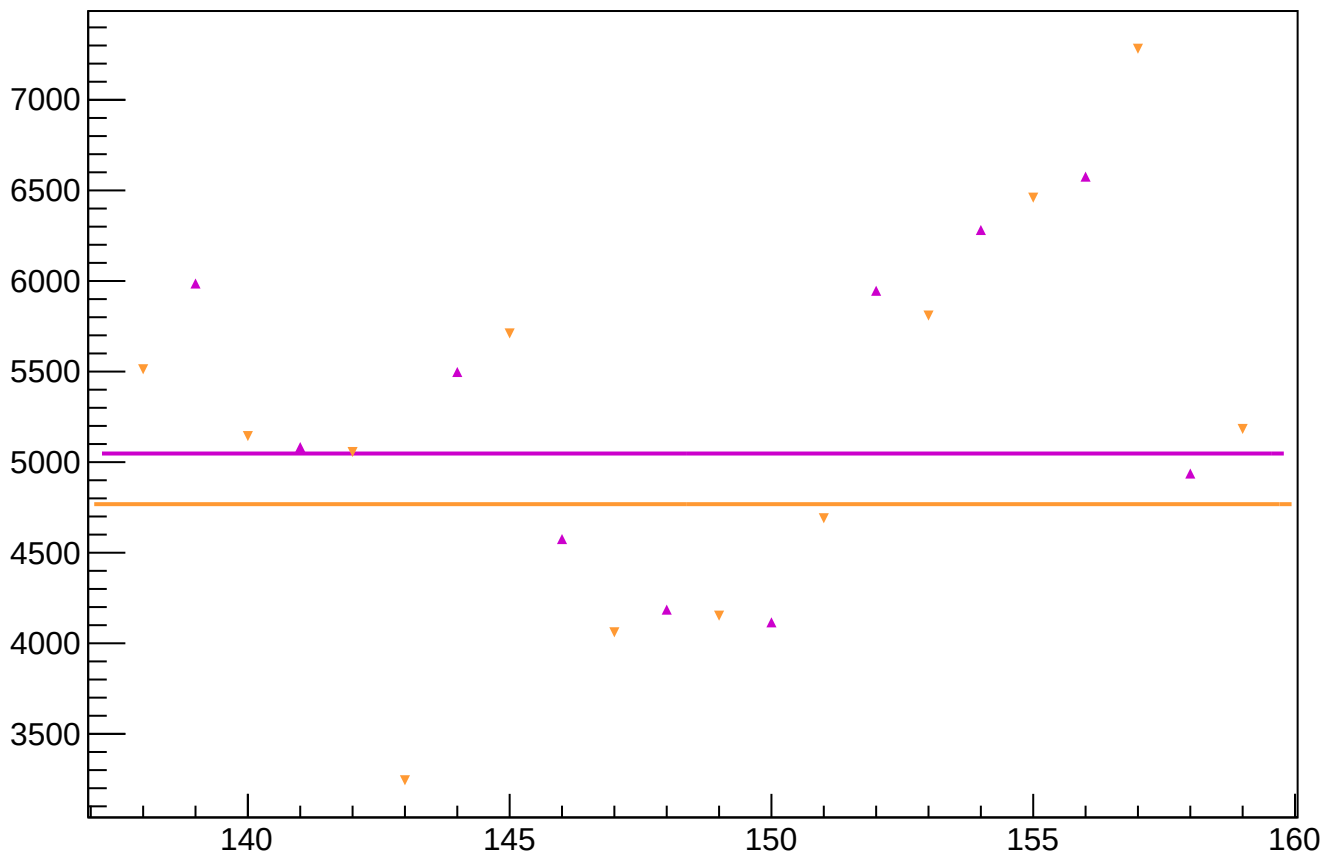
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2123.866+/-1781.879 χ^2/NDF :4.8/9

Out: 1246.521+/-1635.866 χ^2/NDF :16.6/11

All: 1647.780+/-1205.051 χ^2/NDF : 21.5/21

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: 4768.058+/-1.157 χ^2/NDF :804971.4/11

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

Left In: 5047.628+/-1.260 χ^2/NDF :412090.1/9

Left: 4895.921+/-0.852 χ^2/NDF : 1243777.3/21

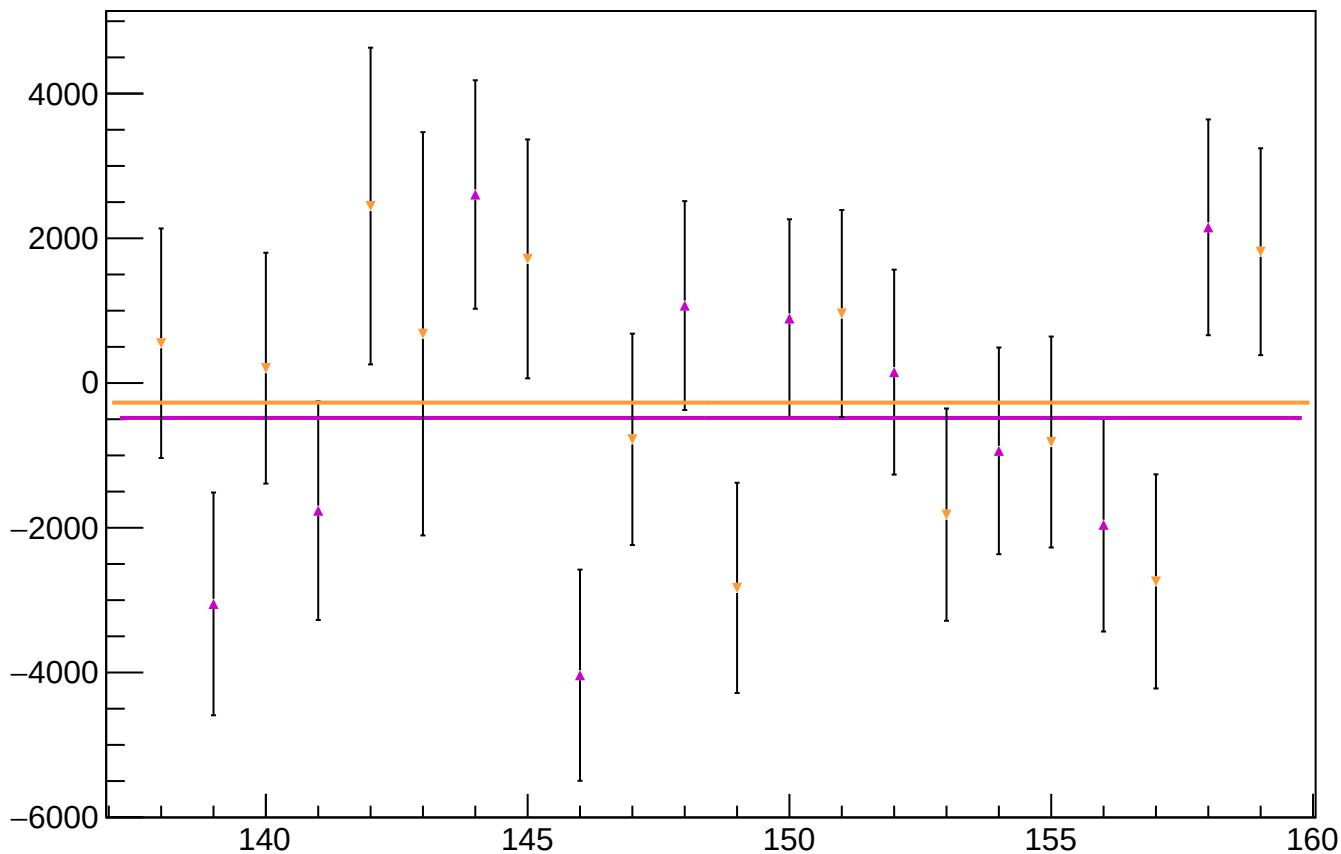
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5047.628+/-1.260 χ^2/NDF :412090.1/9

Out: 4768.058+/-1.157 χ^2/NDF :804971.4/11

All: 4895.921+/-0.852 χ^2/NDF : 1243777.3/21

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: -270.437+/-456.026 χ^2/NDF :13.6/11

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

Left In: -482.637+/-464.097 χ^2/NDF :19.9/9

Left: -374.676+/-325.275 χ^2/NDF : 33.6/21

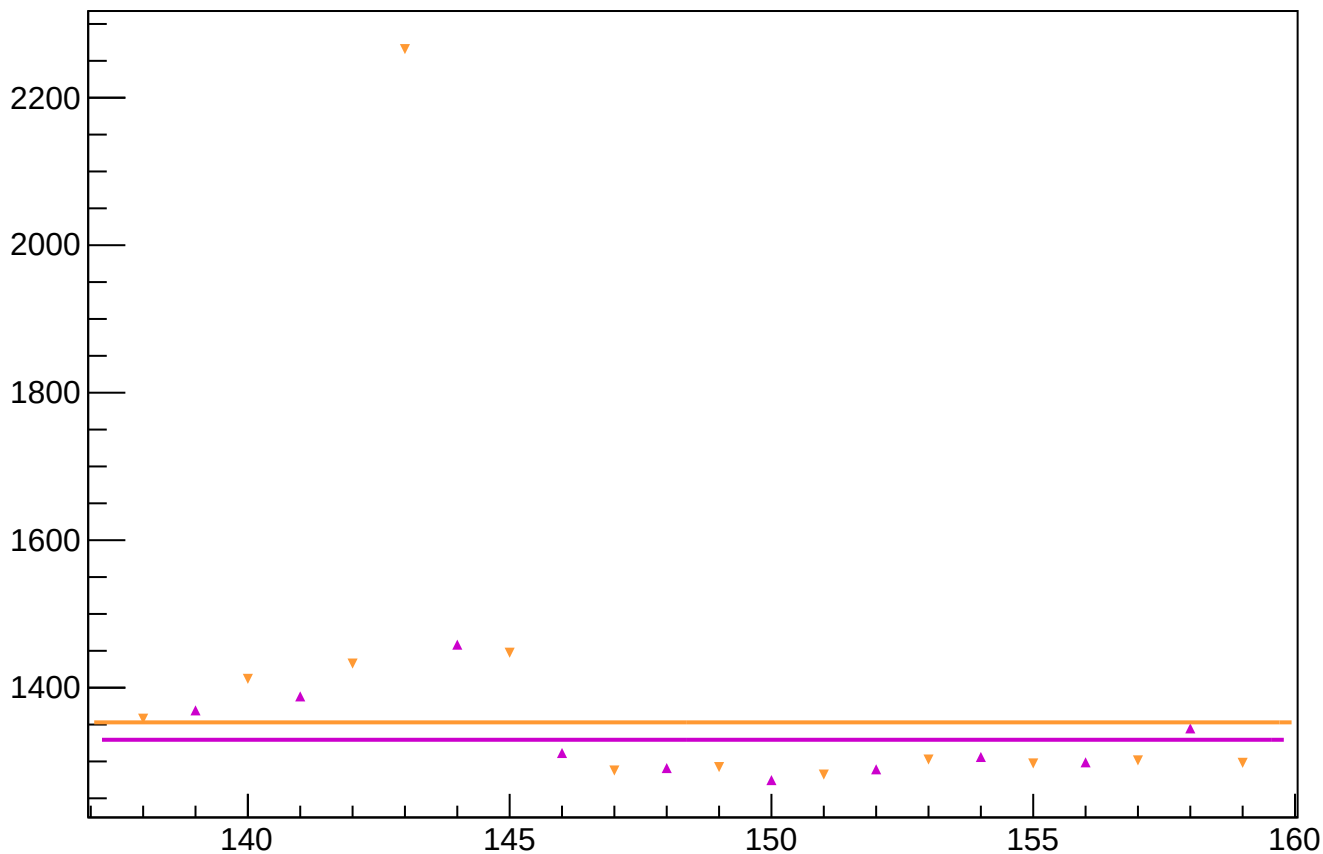
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -482.637+/-464.097 χ^2/NDF :19.9/9

Out: -270.437+/-456.026 χ^2/NDF :13.6/11

All: -374.676+/-325.275 χ^2/NDF : 33.6/21

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: 1352.981+/-0.322 χ^2/NDF :249694.9/11

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

Left In: 1329.368+/-0.328 χ^2/NDF :25831.6/9

Left: 1341.382+/-0.230 χ^2/NDF : 278160.7/21

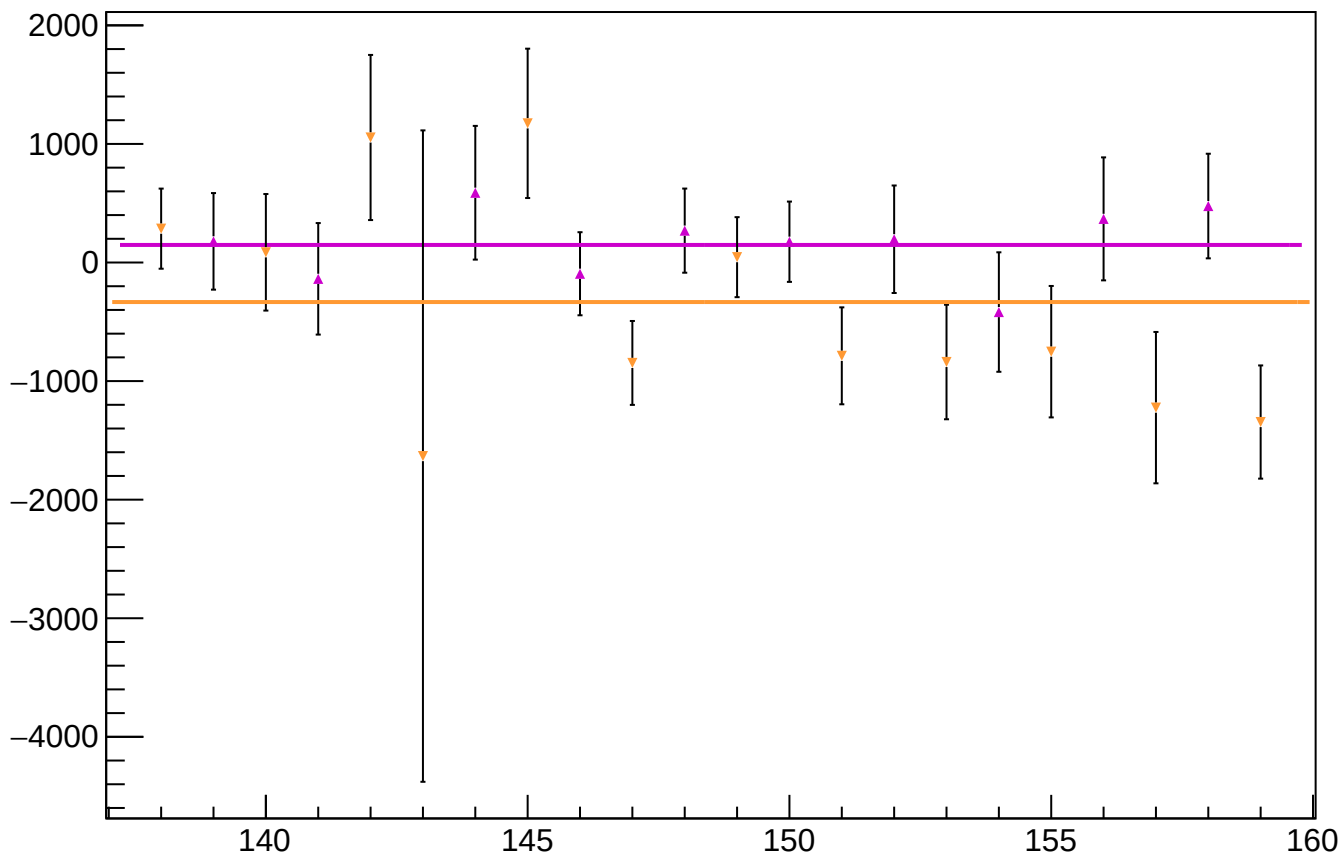
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1329.368+/-0.328 χ^2/NDF :25831.6/9

Out: 1352.981+/-0.322 χ^2/NDF :249694.9/11

All: 1341.382+/-0.230 χ^2/NDF : 278160.7/21

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: -333.403+/-135.135 χ^2/NDF :26.7/11

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

Left In: 148.107+/-133.419 χ^2/NDF :3.6/9

Left: -89.571+/-94.942 χ^2/NDF : 36.7/21

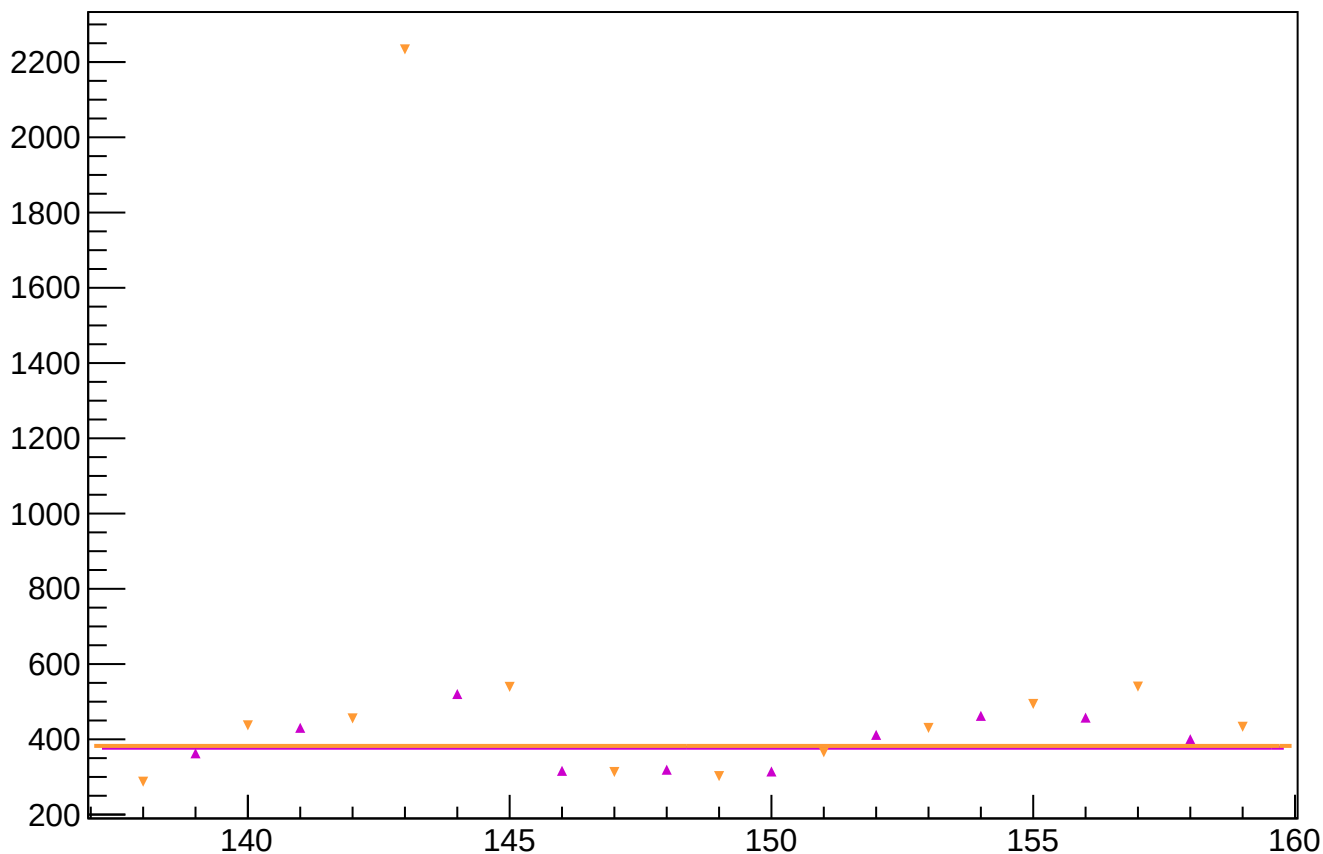
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 148.107+/-133.419 χ^2/NDF :3.6/9

Out: -333.403+/-135.135 χ^2/NDF :26.7/11

All: -89.571+/-94.942 χ^2/NDF : 36.7/21

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: 382.479+/-0.096 χ^2/NDF :1676637.9/11

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

Left In: 377.659+/-0.094 χ^2/NDF :462188.6/9

Left: 380.038+/-0.067 χ^2/NDF : 2140115.0/21

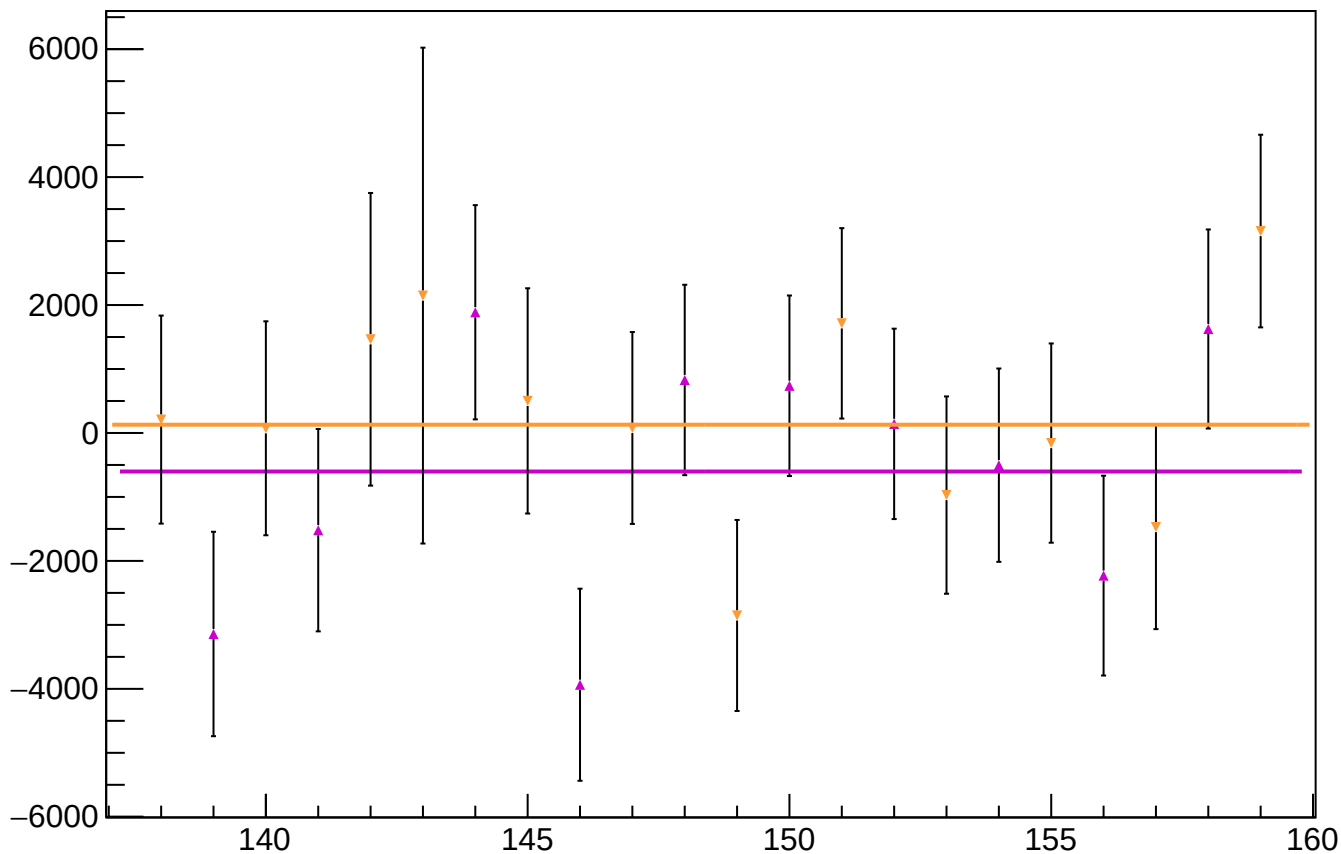
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 377.659+/-0.094 χ^2/NDF :462188.6/9

Out: 382.479+/-0.096 χ^2/NDF :1676637.9/11

All: 380.038+/-0.067 χ^2/NDF : 2140115.0/21

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: 129.282+/-480.716 χ^2/NDF :11.4/11

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

Left In: -602.483+/-484.624 χ^2/NDF :15.2/9

Left: -233.638+/-341.291 χ^2/NDF : 27.7/21

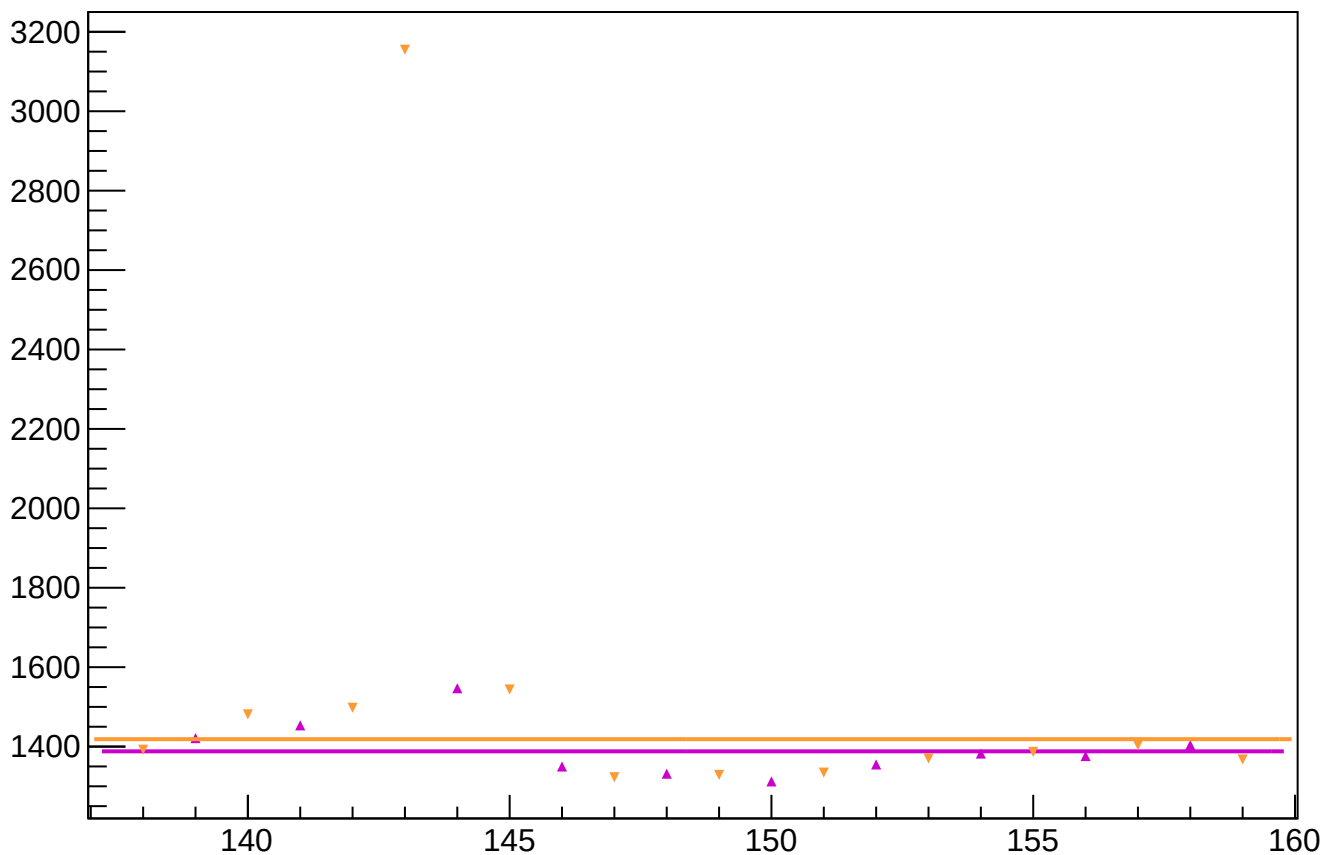
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -602.483+/-484.624 χ^2/NDF :15.2/9

Out: 129.282+/-480.716 χ^2/NDF :11.4/11

All: -233.638+/-341.291 χ^2/NDF : 27.7/21

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: 1418.722+/-0.340 χ^2/NDF :444325.5/11

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

Left In: 1388.043+/-0.343 χ^2/NDF :33553.0/9

Left: 1403.506+/-0.241 χ^2/NDF : 481918.5/21

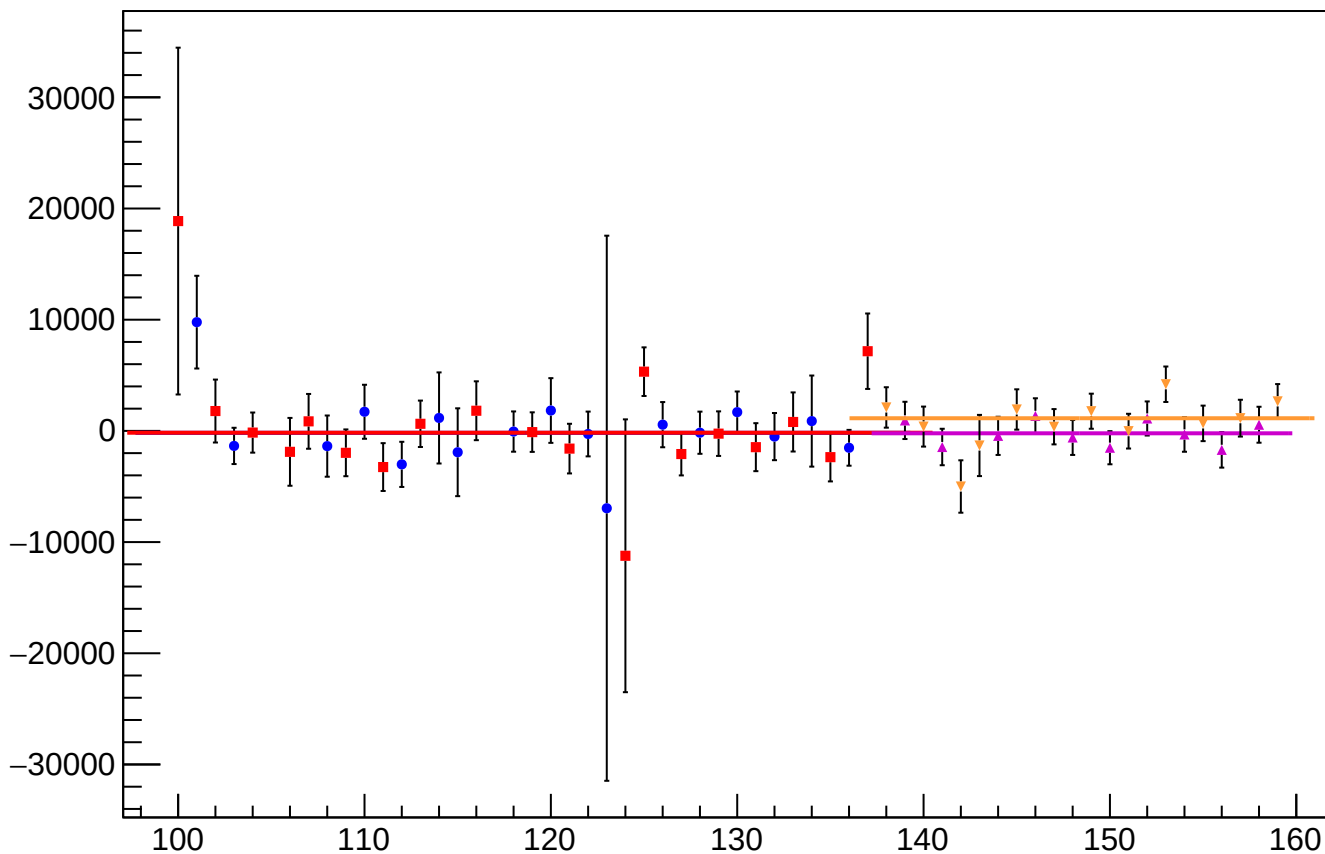
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1388.043+/-0.343 χ^2/NDF :33553.0/9

Out: 1418.722+/-0.340 χ^2/NDF :444325.5/11

All: 1403.506+/-0.241 χ^2/NDF : 481918.5/21

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -174.841 $\pm$ 554.659 χ^2 /NDF: 11.8/16

Left Out: 1137.320 $\pm$ 499.971 χ^2 /NDF:13.9/11

Right Out: -164.937 $\pm$ 540.101 χ^2 /NDF: 20.7/18

Left In: -216.449 $\pm$ 504.122 χ^2 /NDF:4.7/9

Left: 466.033 $\pm$ 354.991 χ^2 /NDF: 22.2/21

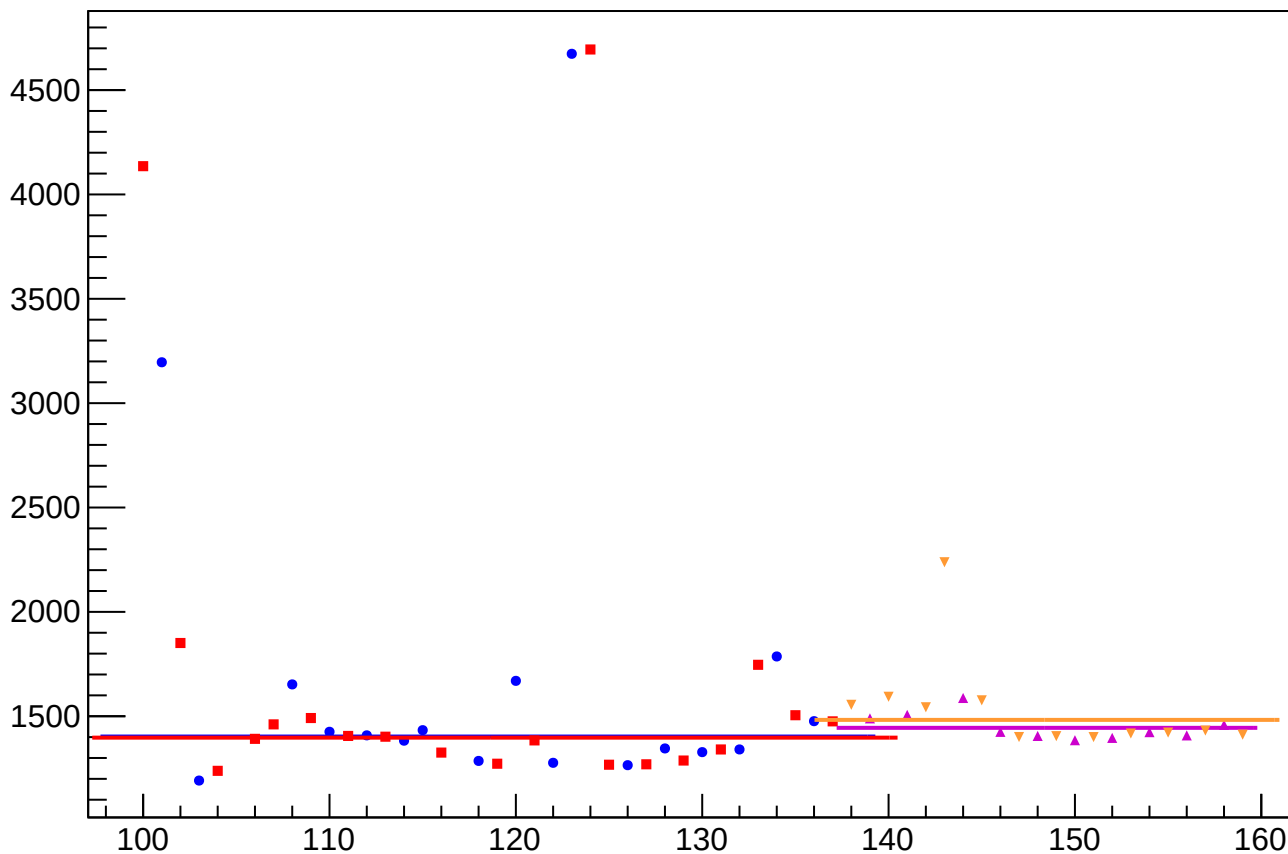
Right: -169.758 $\pm$ 386.953 χ^2 /NDF: 32.4/35

In: -197.627 $\pm$ 373.058 χ^2 /NDF:16.5/26

Out: 536.363 $\pm$ 366.900 χ^2 /NDF:37.7/30

All: 175.476 $\pm$ 261.588 χ^2 /NDF: 56.1/57

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: 1482.510 $\pm$ 0.354 χ^2 /NDF:196143.1/11

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

Left In: 1444.407 $\pm$ 0.356 χ^2 /NDF:26404.1/9

Left: 1463.616 $\pm$ 0.251 χ^2 /NDF: 228307.1/21

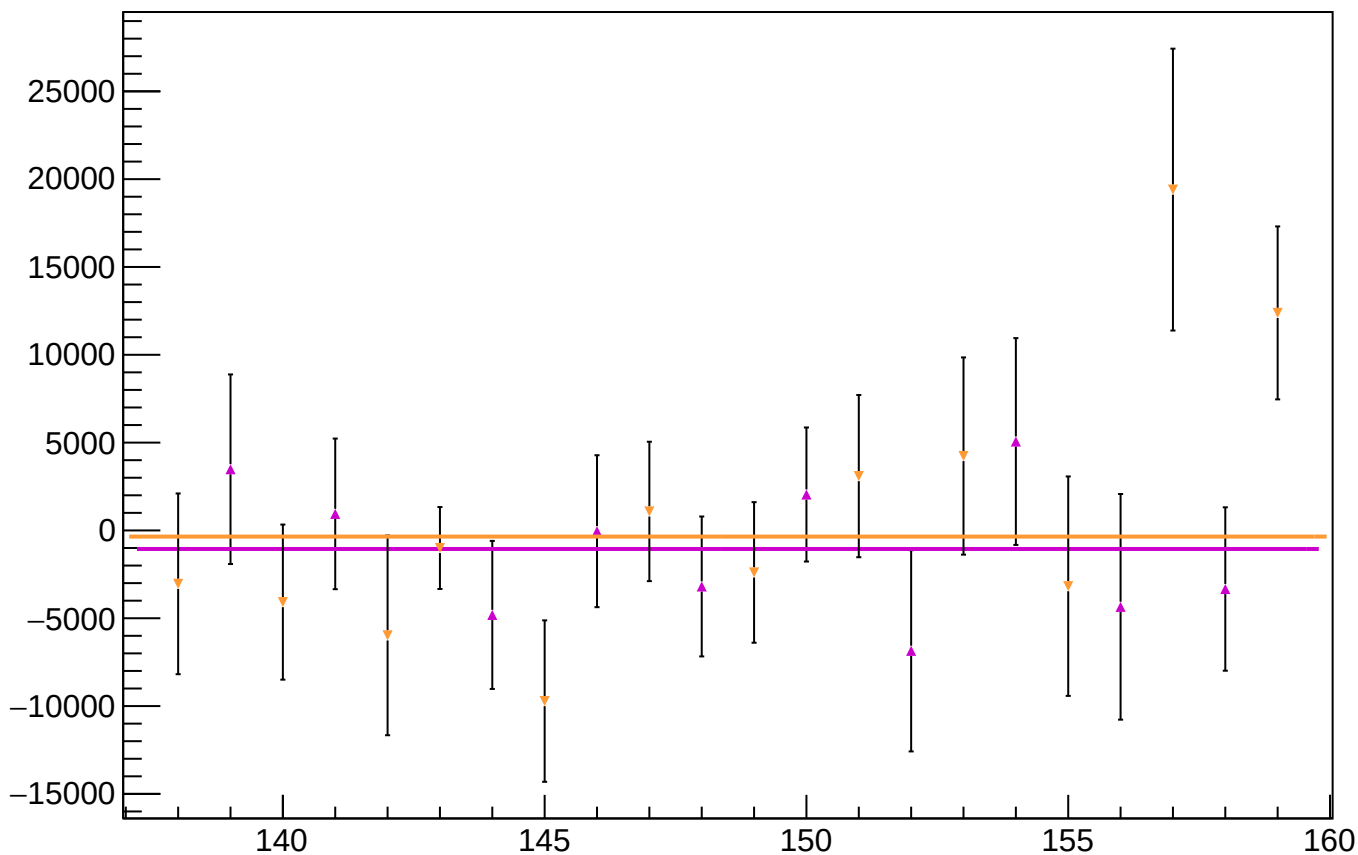
Right: 1400.004 $\pm$ 0.274 χ^2 /NDF: 879784.5/35

In: 1425.544 $\pm$ 0.264 χ^2 /NDF:558920.8/26

Out: 1443.229 $\pm$ 0.259 χ^2 /NDF:576244.0/30

All: 1434.536 $\pm$ 0.185 χ^2 /NDF: 1137450.1/57

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: -349.993+/-1251.815 χ^2/NDF :20.8/11

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

Left In: -1055.219+/-1474.559 χ^2/NDF :5.3/9

Left: -645.372+/-954.305 χ^2/NDF : 26.2/21

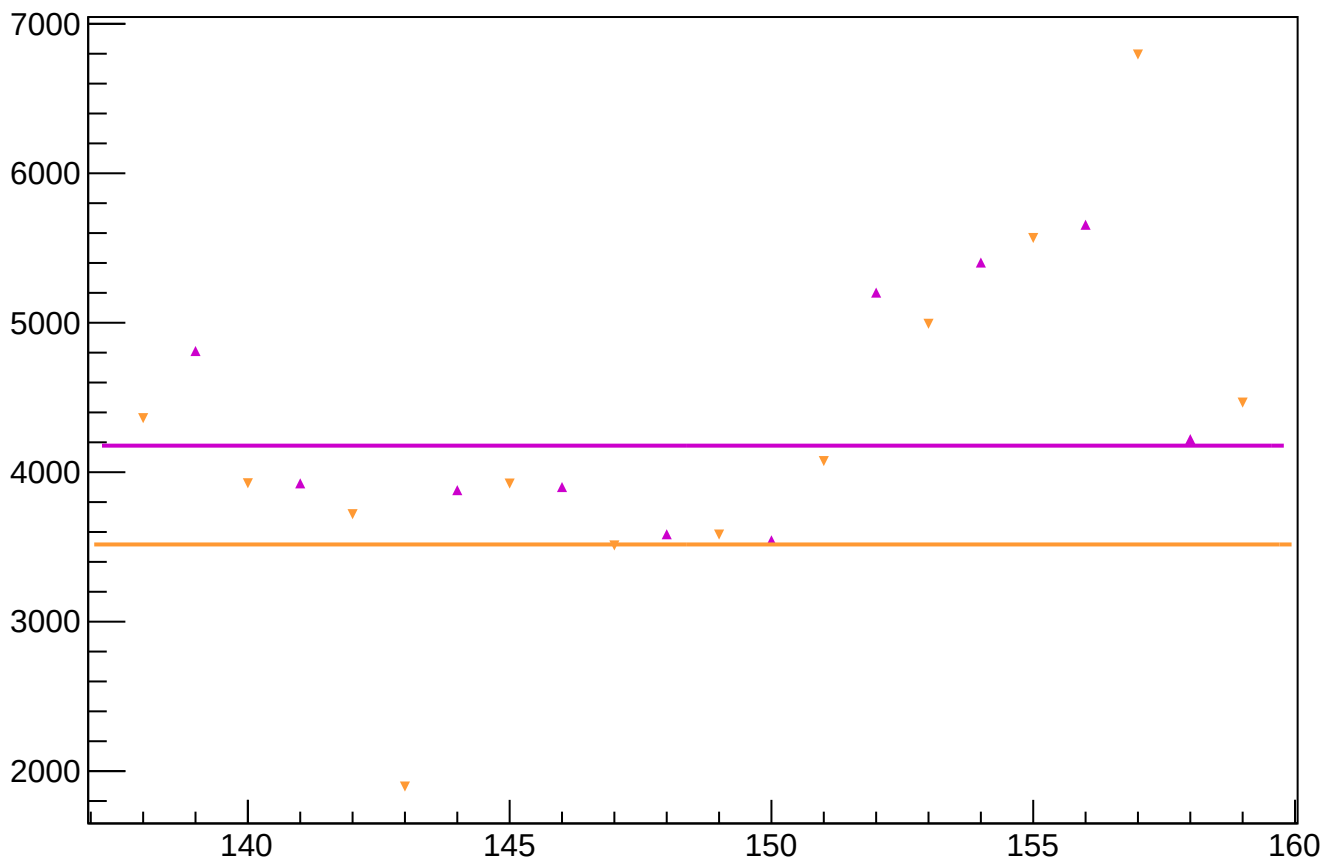
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1055.219+/-1474.559 χ^2/NDF :5.3/9

Out: -349.993+/-1251.815 χ^2/NDF :20.8/11

All: -645.372+/-954.305 χ^2/NDF : 26.2/21

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: 3516.600+/-0.885 χ^2/NDF :1845574.0/11

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

Left In: 4177.719+/-1.043 χ^2/NDF :408560.5/9

Left: 3793.504+/-0.675 χ^2/NDF : 2487780.5/21

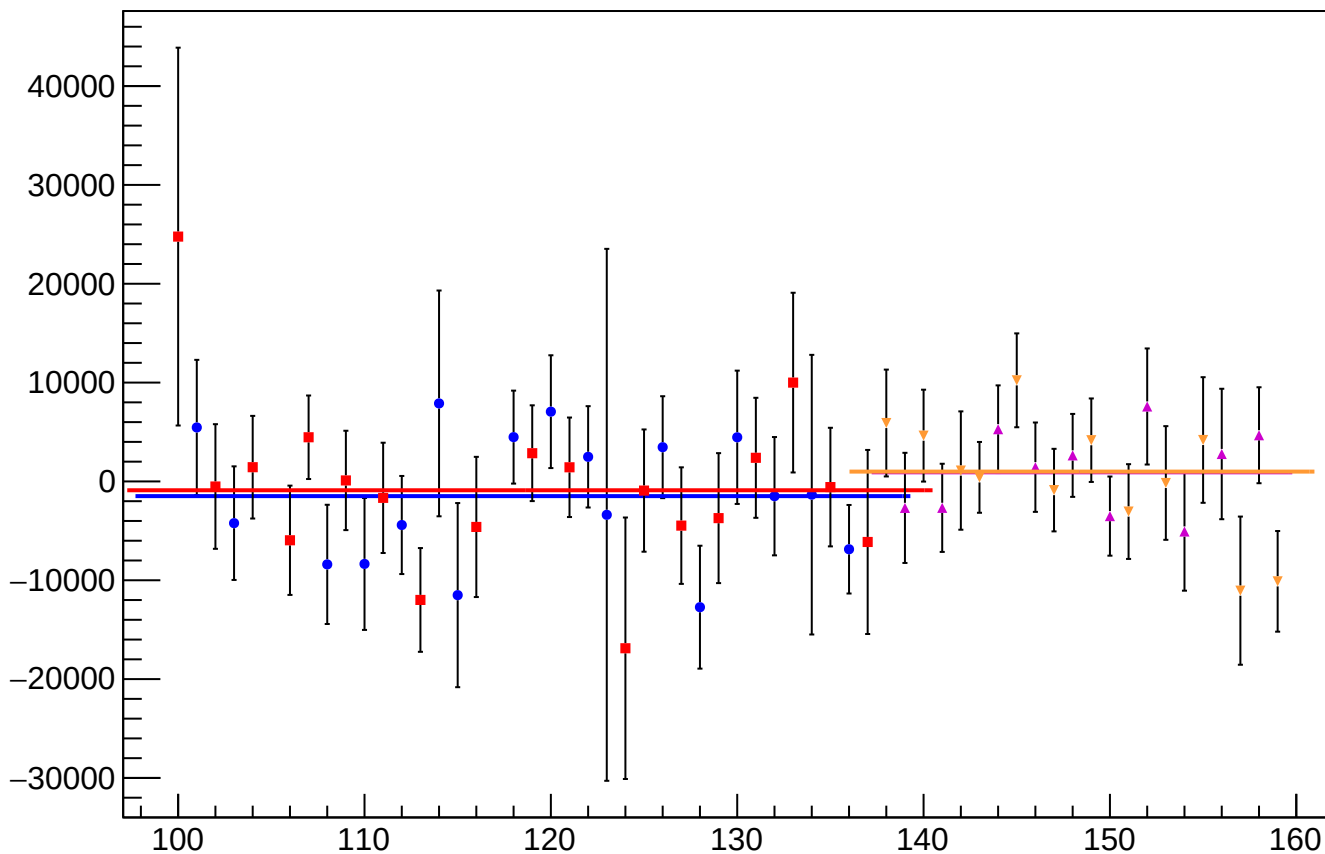
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4177.719+/-1.043 χ^2/NDF :408560.5/9

Out: 3516.600+/-0.885 χ^2/NDF :1845574.0/11

All: 3793.504+/-0.675 χ^2/NDF : 2487780.5/21

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1487.038+/-1499.116 χ^2/NDF : 16.7/16

Left Out: 994.307+/-1415.729 χ^2/NDF : 14.4/11

Right Out: -894.160+/-1378.910 χ^2/NDF : 14.1/18

Left In: 920.091+/-1536.162 χ^2/NDF : 6.4/9

Left: 960.222+/-1041.048 χ^2/NDF : 20.8/21

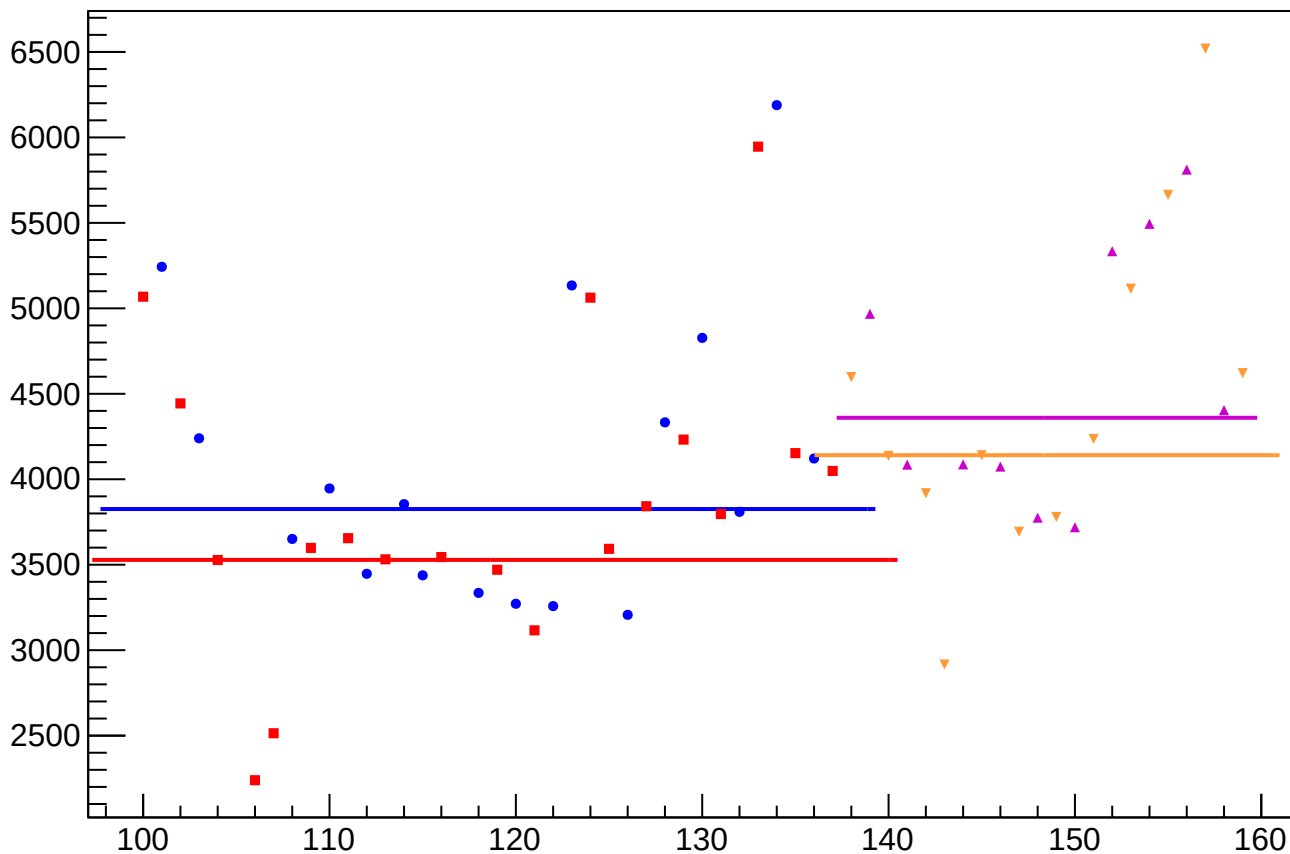
Right: -1165.879+/-1014.876 χ^2/NDF : 30.9/35

In: -312.848+/-1072.893 χ^2/NDF : 24.3/26

Out: 25.198+/-987.797 χ^2/NDF : 29.4/30

All: -129.889+/-726.702 χ^2/NDF : 53.8/57

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: 4140.850+/-1.001 χ^2/NDF : 680707.9/11

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

Left In: 4359.721+/-1.086 χ^2/NDF : 360833.8/9

Left: 4241.371+/-0.736 χ^2/NDF : 1063495.7/21

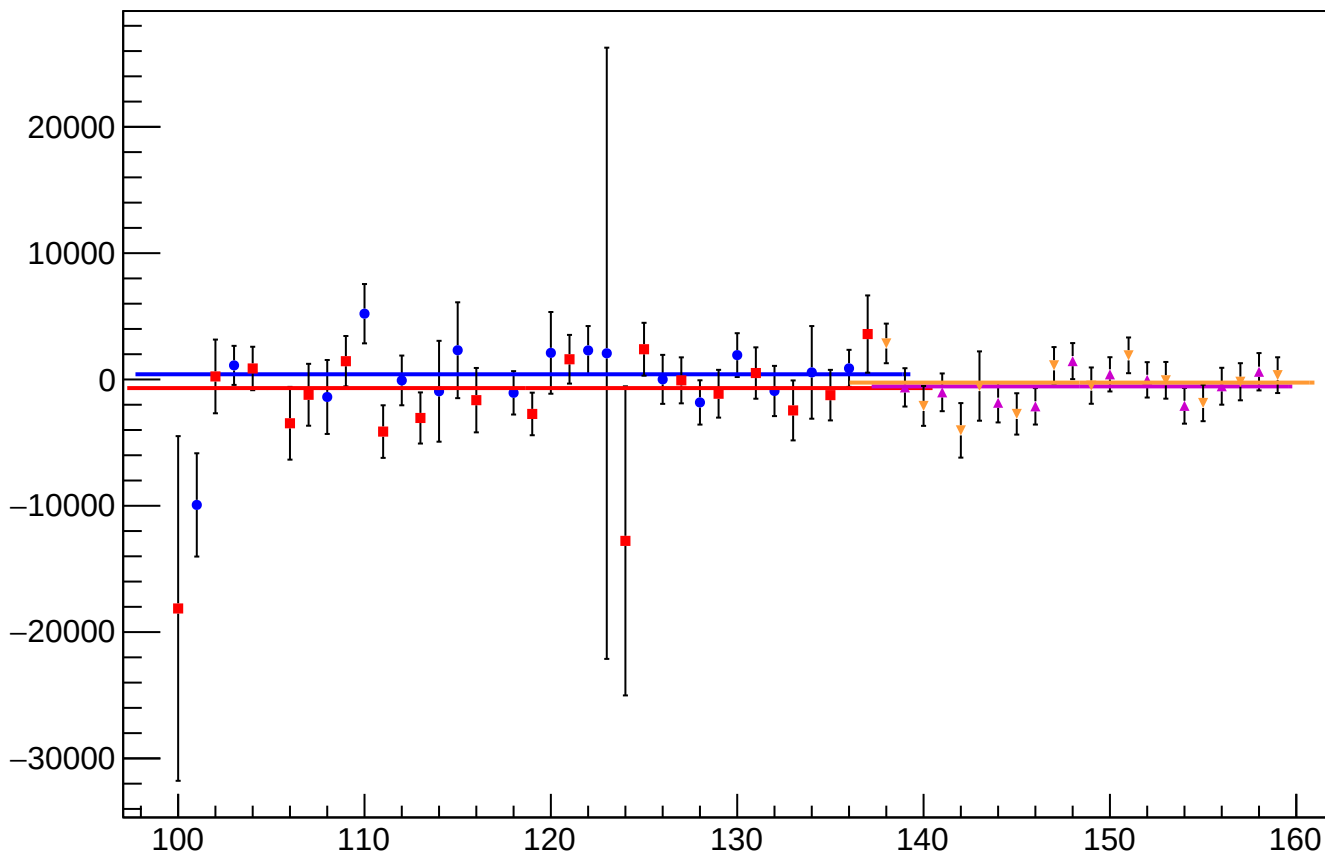
Right: 3663.316+/-0.714 χ^2/NDF : 932858.8/35

In: 4086.260+/-0.759 χ^2/NDF : 818972.9/26

Out: 3823.707+/-0.695 χ^2/NDF : 1429976.2/30

All: 3943.548+/-0.513 χ^2/NDF : 2314053.1/57

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: -246.878 $\pm$ 451.410 χ^2 /NDF:15.3/11

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

Left In: -547.789 $\pm$ 459.055 χ^2 /NDF:6.4/9

Left: -394.807 $\pm$ 321.864 χ^2 /NDF: 21.9/21

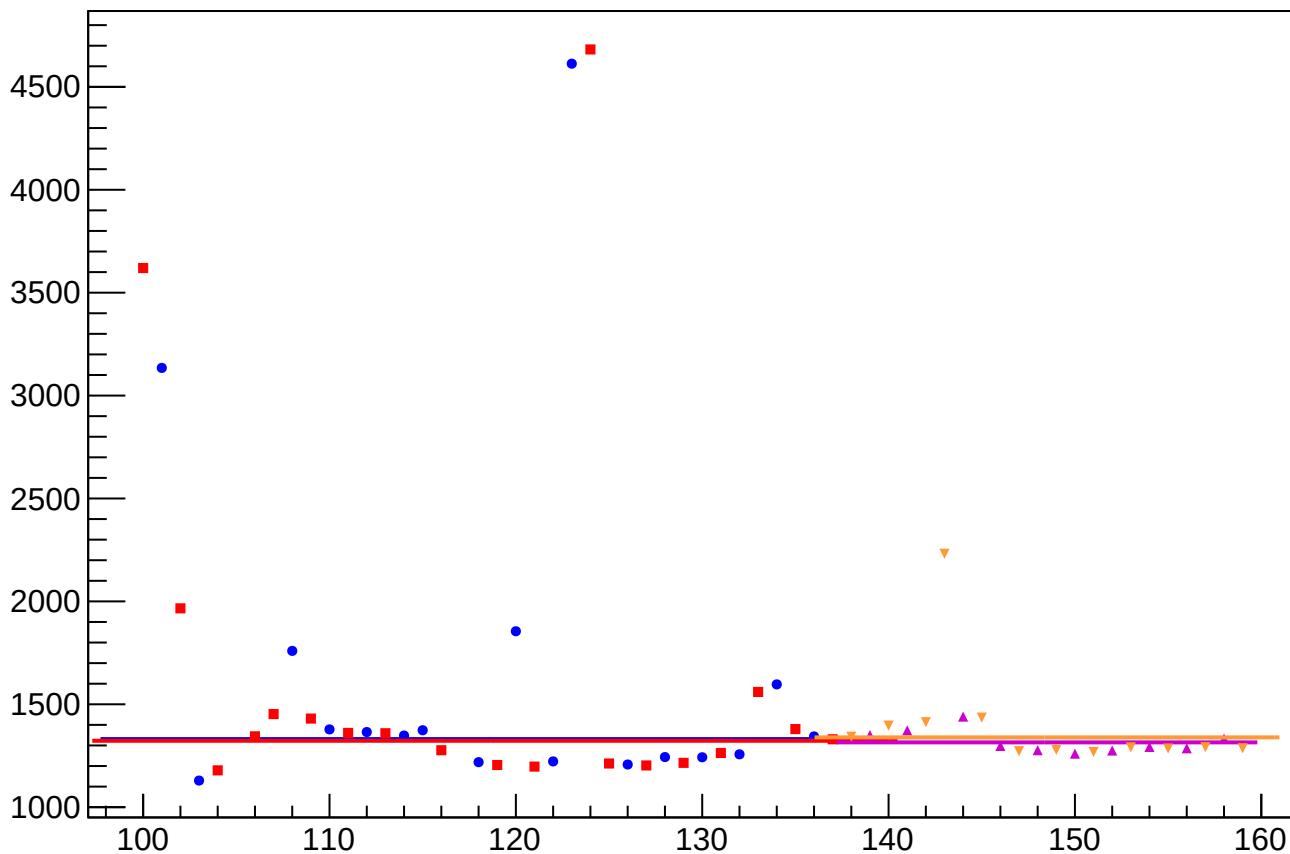
Right: -154.107 $\pm$ 366.889 χ^2 /NDF: 36.8/35

In: -134.842 $\pm$ 346.424 χ^2 /NDF:24.8/26

Out: -438.015 $\pm$ 338.077 χ^2 /NDF:33.8/30

All: -290.125 $\pm$ 241.954 χ^2 /NDF: 59.0/57

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1330.889 $\pm$ 0.373 χ^2 /NDF: 603474.5/16

Left Out: 1339.252 $\pm$ 0.319 χ^2 /NDF:246072.9/11

Right Out: 1322.706 $\pm$ 0.361 χ^2 /NDF: 394413.6/18

Left In: 1314.922 $\pm$ 0.325 χ^2 /NDF:25214.2/9

Left: 1327.291 $\pm$ 0.228 χ^2 /NDF: 274143.2/21

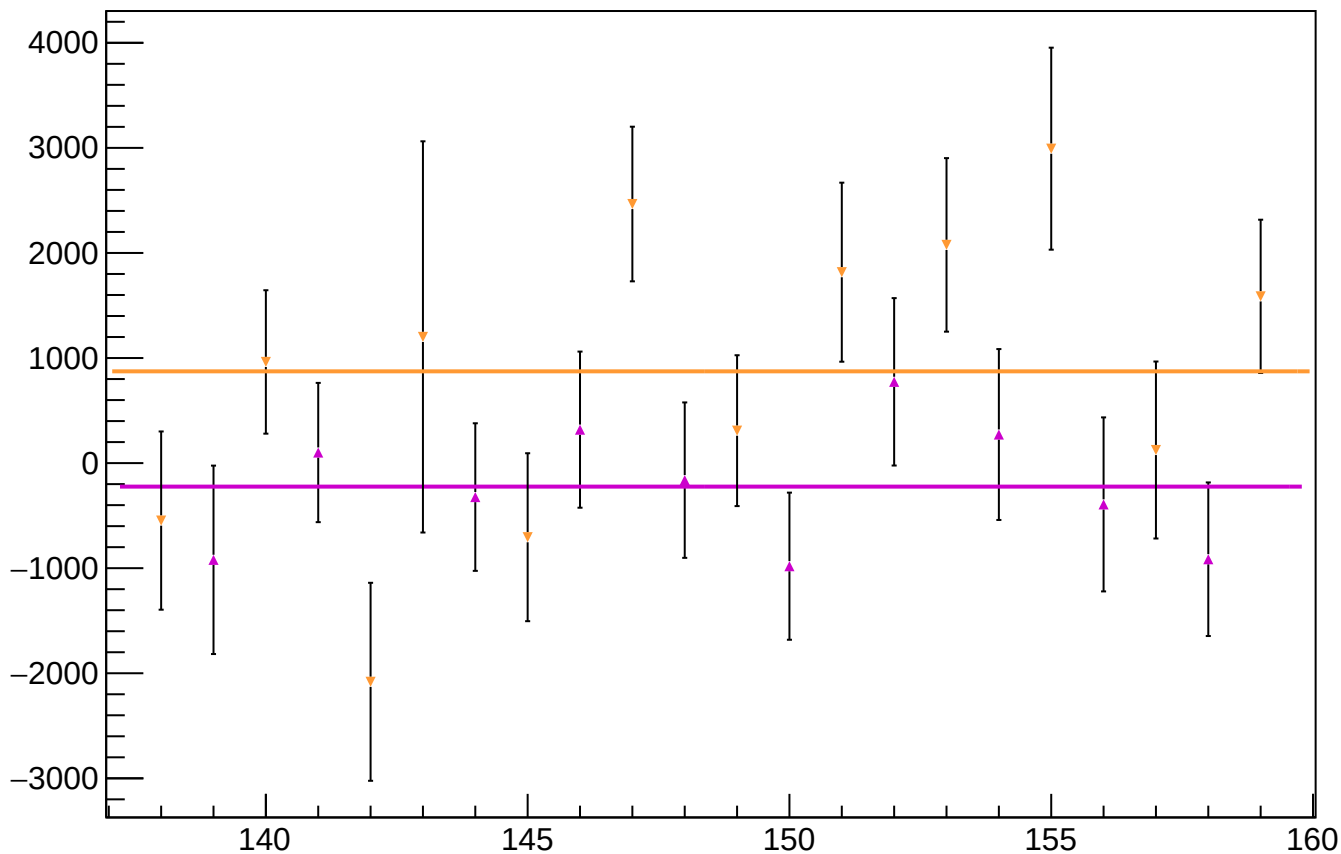
Right: 1326.657 $\pm$ 0.259 χ^2 /NDF: 998136.6/35

In: 1321.796 $\pm$ 0.245 χ^2 /NDF:629730.3/26

Out: 1331.987 $\pm$ 0.239 χ^2 /NDF:641666.5/30

All: 1327.016 $\pm$ 0.171 χ^2 /NDF: 1272283.2/57

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: 873.385+/-238.908 χ^2/NDF :31.8/11

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

Left In: -223.694+/-238.050 χ^2/NDF :5.4/9

Left: 322.871+/-168.629 χ^2/NDF : 47.9/21

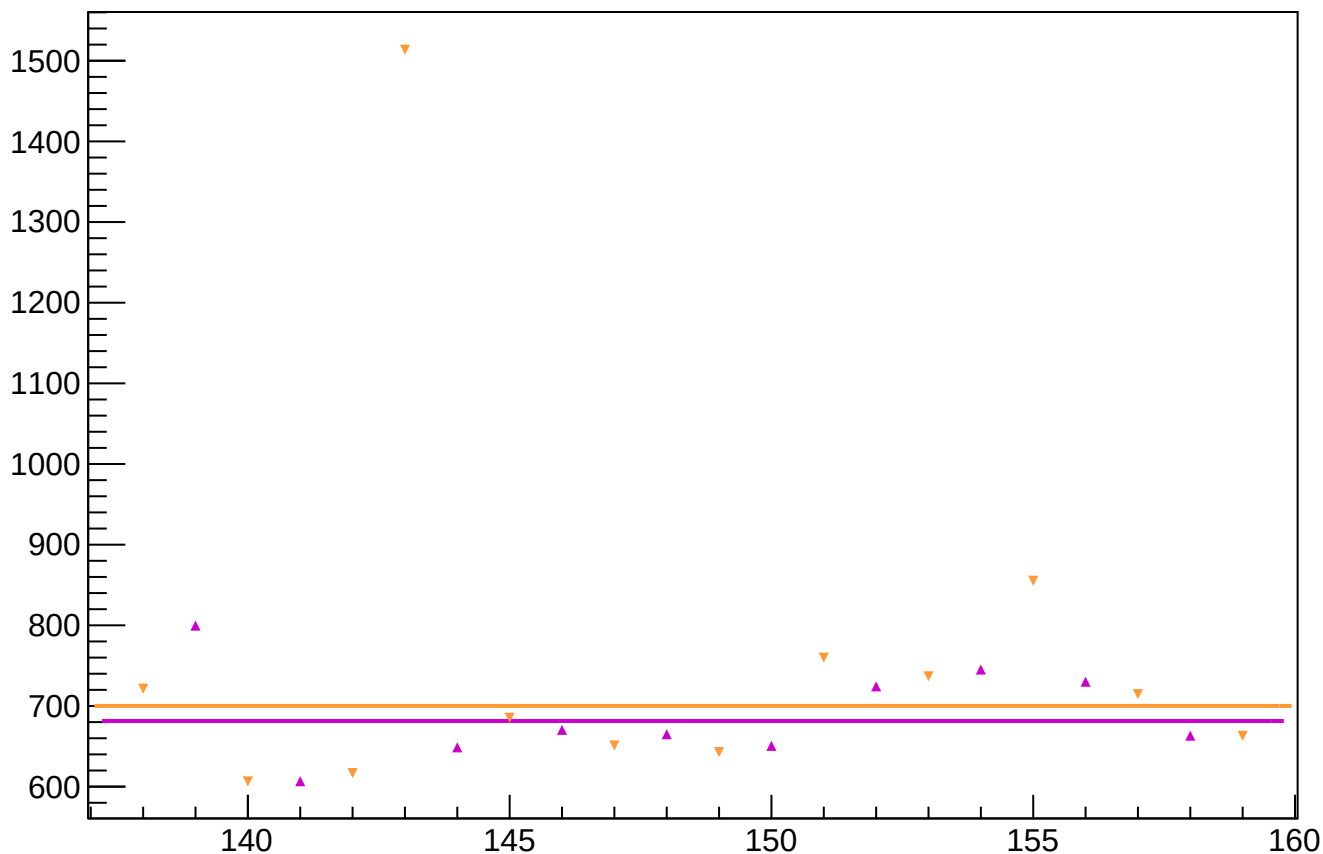
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -223.694+/-238.050 χ^2/NDF :5.4/9

Out: 873.385+/-238.908 χ^2/NDF :31.8/11

All: 322.871+/-168.629 χ^2/NDF : 47.9/21

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: 700.091+/-0.169 χ^2/NDF :530445.9/11

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

Left In: 681.377+/-0.168 χ^2/NDF :96081.5/9

Left: 690.700+/-0.119 χ^2/NDF : 632685.6/21

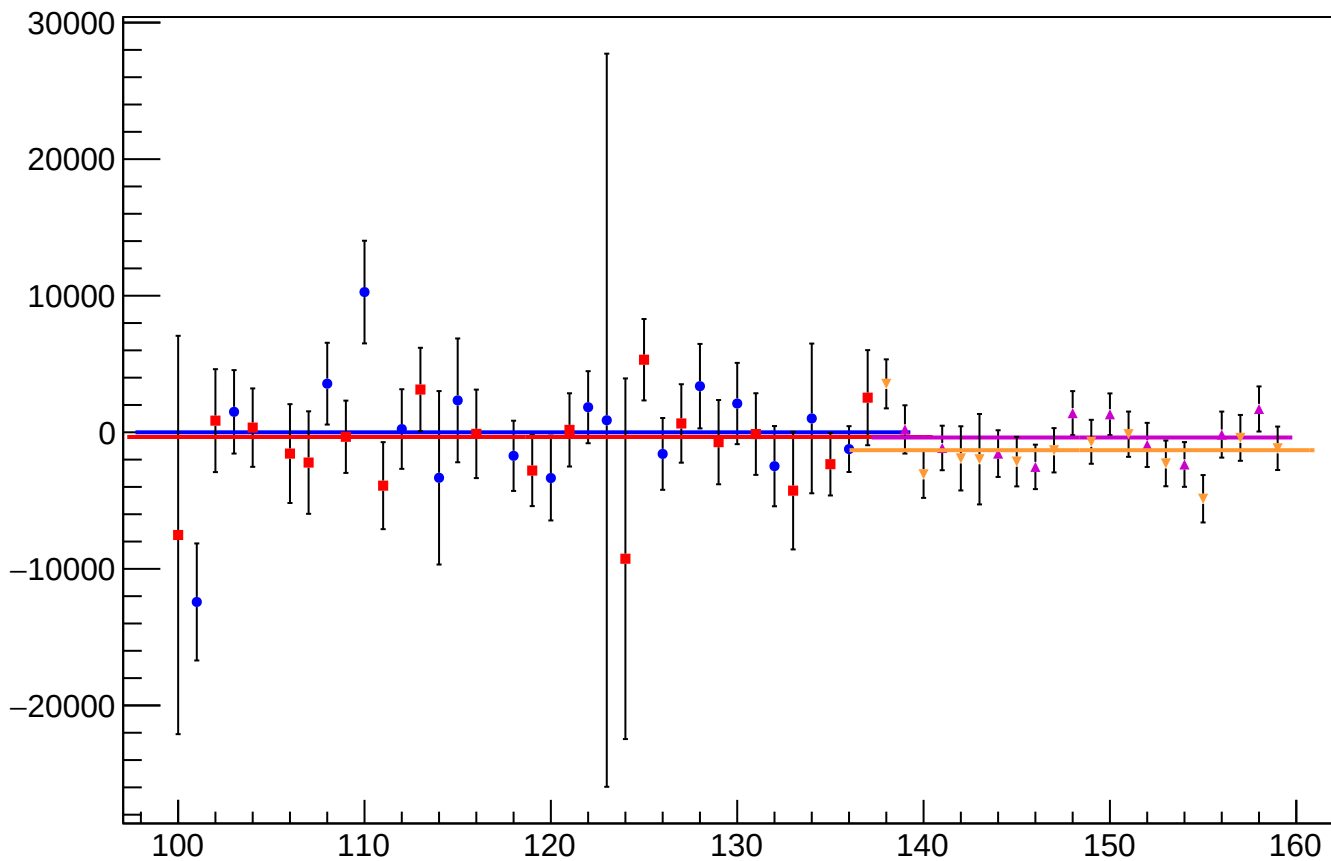
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 681.377+/-0.168 χ^2/NDF :96081.5/9

Out: 700.091+/-0.169 χ^2/NDF :530445.9/11

All: 690.700+/-0.119 χ^2/NDF : 632685.6/21

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: -2.204 ± 745.061 χ^2/NDF : 23.5/16

Left Out: -1310.545 ± 513.575 χ^2/NDF : 14.2/11

Right Out: -345.148 ± 733.723 χ^2/NDF : 10.7/18

Left In: -381.988 ± 519.496 χ^2/NDF : 8.2/9

Left: -851.588 ± 365.228 χ^2/NDF : 24.0/21

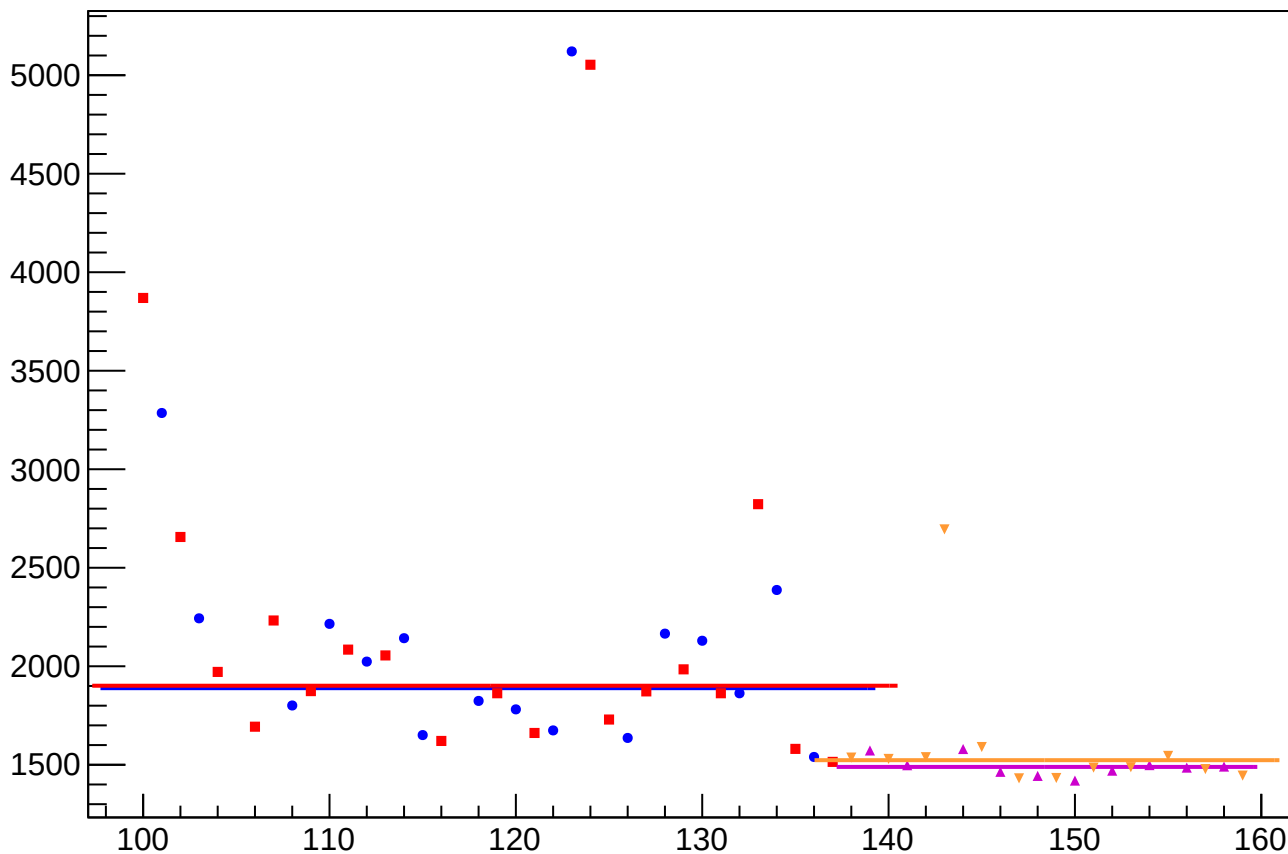
Right: -176.305 ± 522.783 χ^2/NDF : 34.3/35

In: -257.751 ± 426.137 χ^2/NDF : 31.9/26

Out: -993.091 ± 420.745 χ^2/NDF : 26.0/30

All: -630.102 ± 299.400 χ^2/NDF : 59.4/57

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: 1523.347+/-0.363 χ^2/NDF : 274567.8/11

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

Left In: 1489.135+/-0.367 χ^2/NDF : 16719.1/9

Left: 1506.437+/-0.258 χ^2/NDF : 295673.7/21

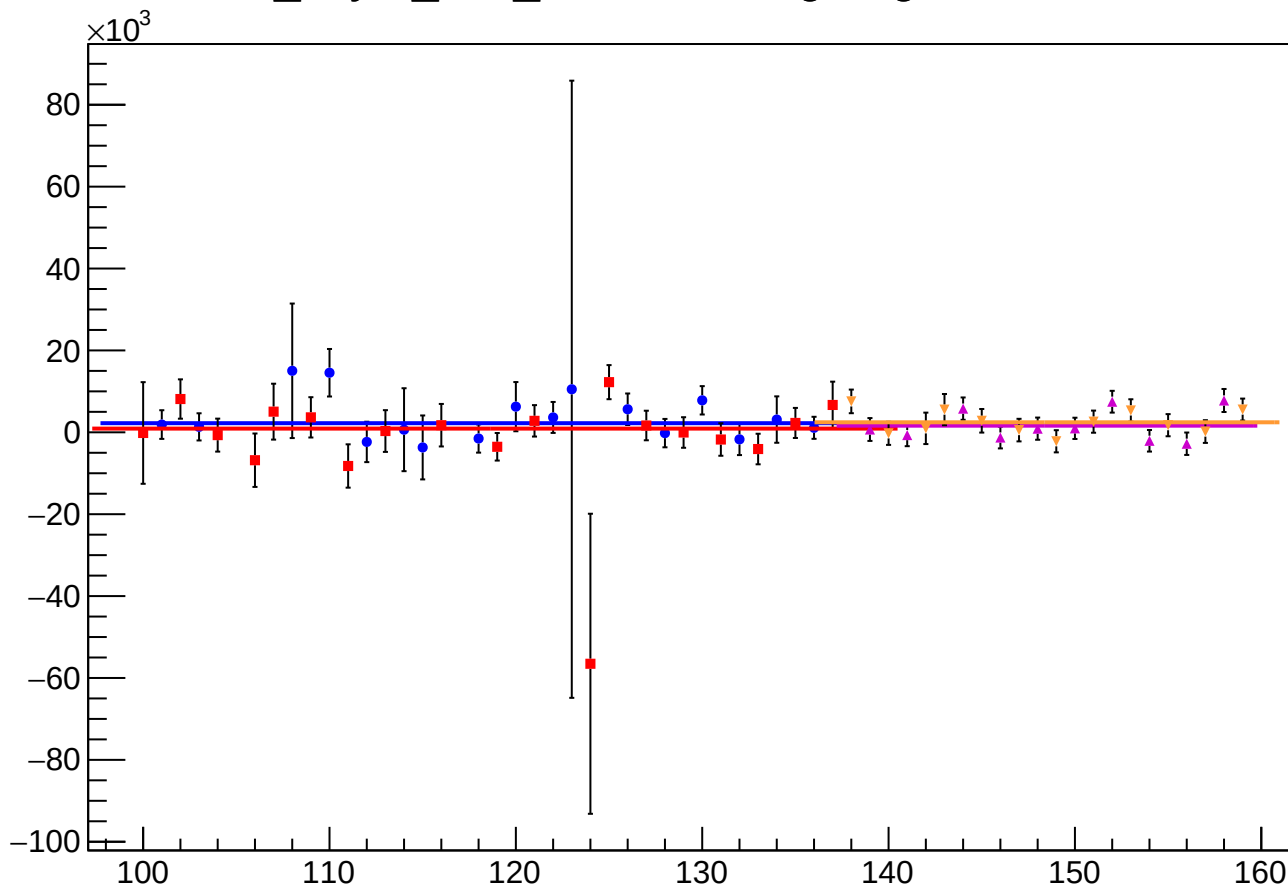
Right: 1895.125+/-0.370 χ^2/NDF : 927550.0/35

In: 1619.880+/-0.301 χ^2/NDF : 869818.7/26

Out: 1647.616+/-0.298 χ^2/NDF : 1092083.3/30

All: 1633.924+/-0.212 χ^2/NDF : 1966192.2/57

dit_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 2446.125 $\pm$ 831.017 χ^2 /NDF:11.5/11

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

Left In: 1624.572 $\pm$ 854.082 χ^2 /NDF:18.7/9

Left: 2046.591 $\pm$ 595.605 χ^2 /NDF: 30.6/21

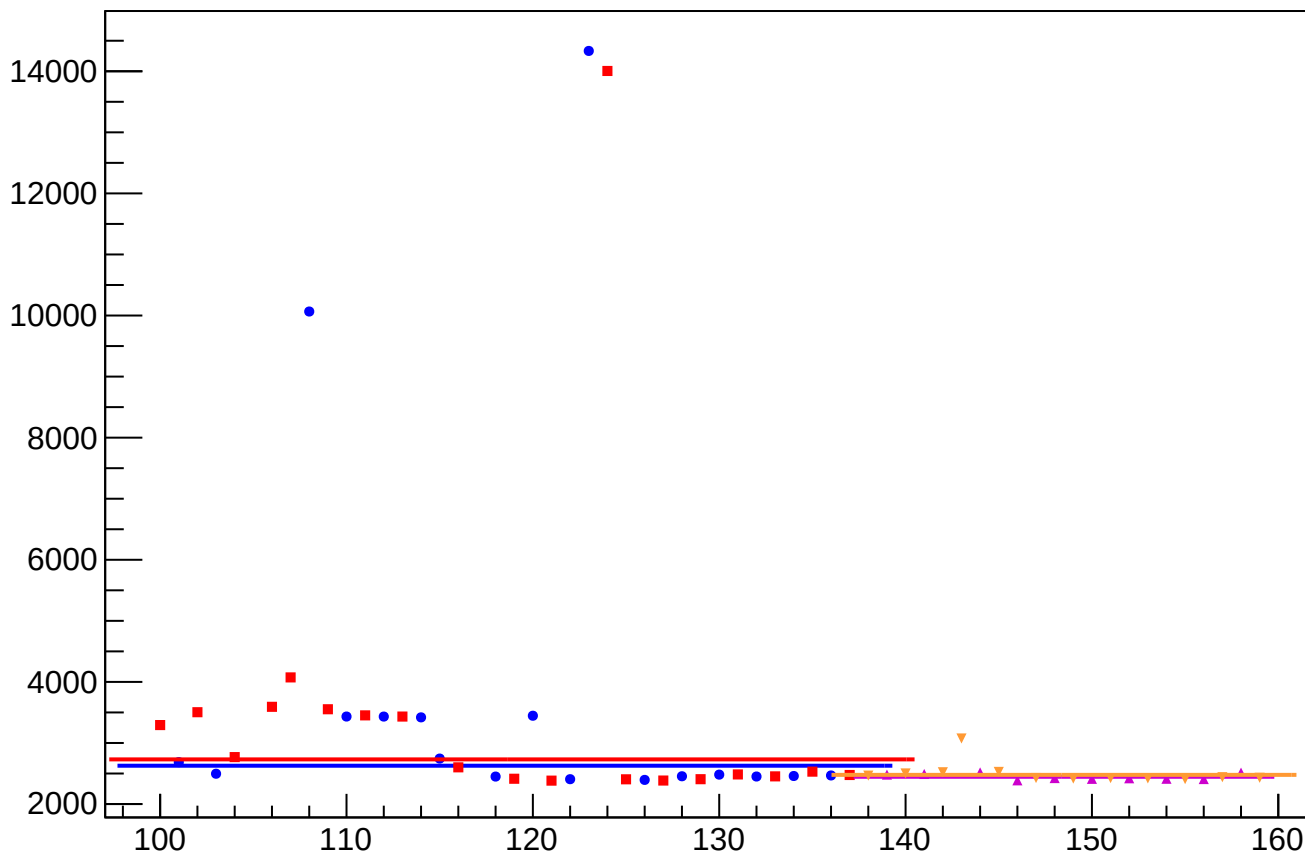
Right: 1572.479 $\pm$ 737.556 χ^2 /NDF: 37.3/35

In: 1867.625 $\pm$ 659.853 χ^2 /NDF:32.4/26

Out: 1851.499 $\pm$ 650.878 χ^2 /NDF:35.7/30

All: 1859.451 $\pm$ 463.381 χ^2 /NDF: 68.1/57

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2627.570+/-0.735 χ^2/NDF : 644396.7/16

Left Out: 2477.785+/-0.588 χ^2/NDF : 55566.8/11

Right Out: 2731.271+/-0.740 χ^2/NDF : 598207.5/18

Left In: 2446.462+/-0.604 χ^2/NDF : 5733.3/9

Left: 2462.552+/-0.421 χ^2/NDF : 62681.9/21

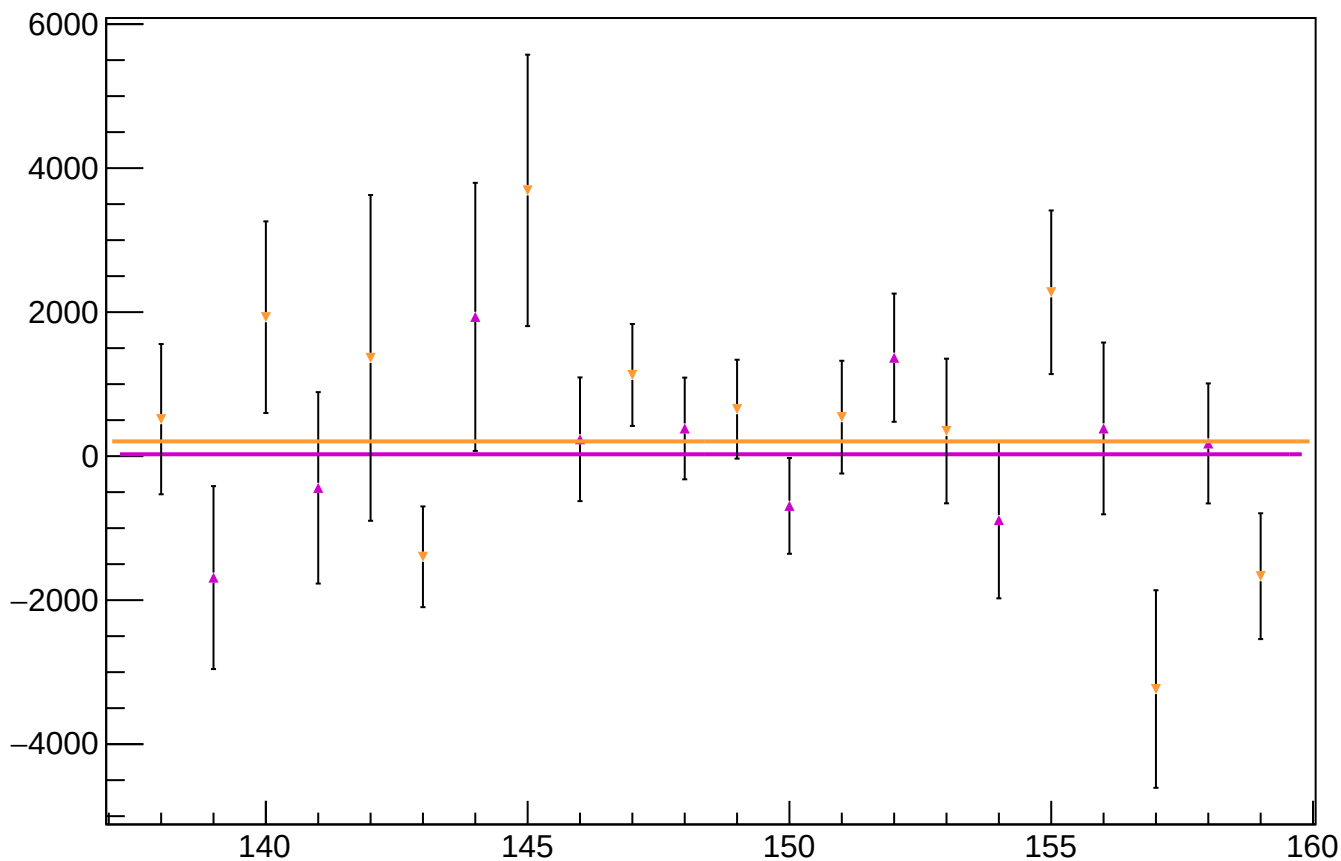
Right: 2679.043+/-0.522 χ^2/NDF : 1252488.0/35

In: 2519.468+/-0.467 χ^2/NDF : 686381.7/26

Out: 2575.770+/-0.460 χ^2/NDF : 725706.8/30

All: 2548.005+/-0.328 χ^2/NDF : 1419468.4/57

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 204.687+/-273.601 χ^2/NDF :27.2/11

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

Left In: 25.896+/-296.939 χ^2/NDF :7.6/9

Left: 122.593+/-201.211 χ^2/NDF : 35.0/21

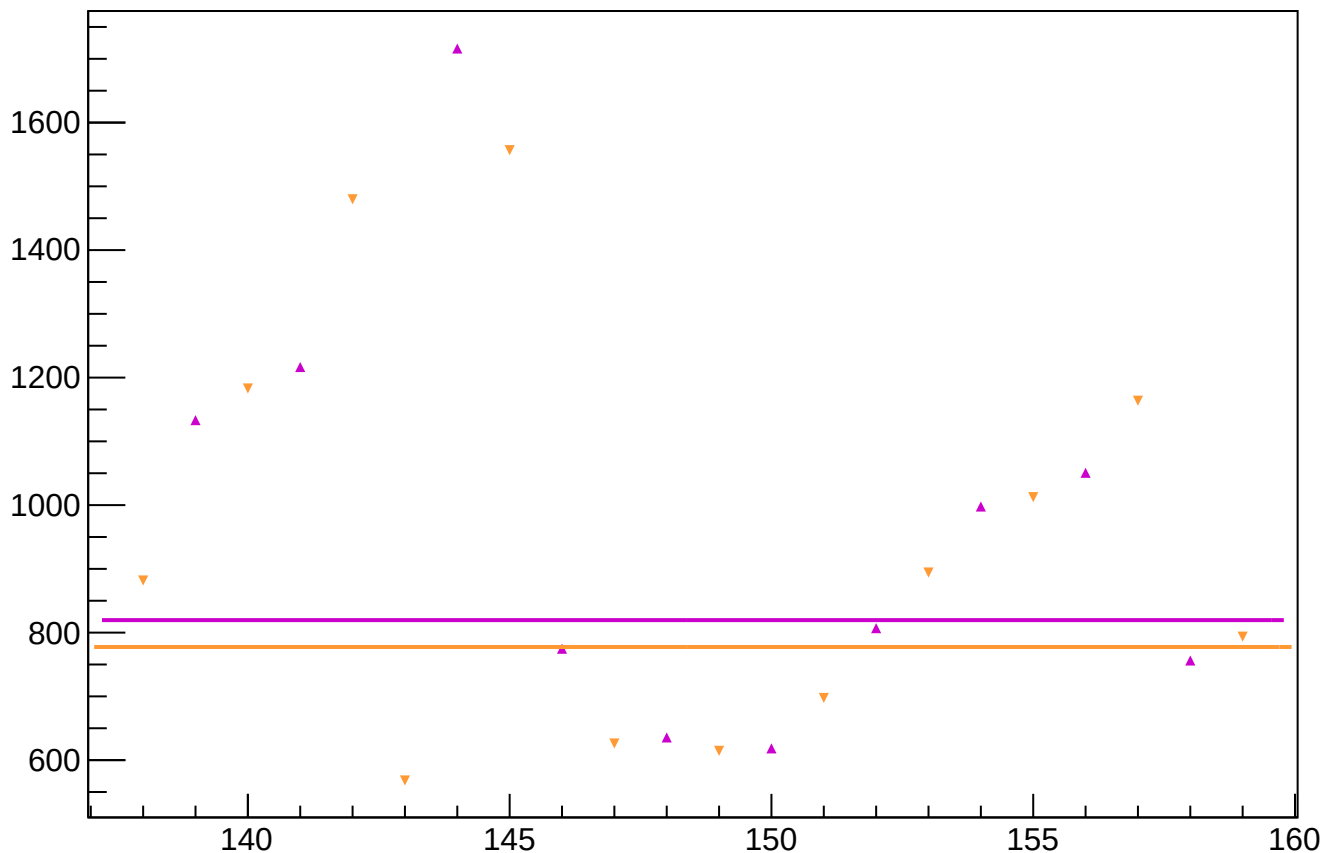
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 25.896+/-296.939 χ^2/NDF :7.6/9

Out: 204.687+/-273.601 χ^2/NDF :27.2/11

All: 122.593+/-201.211 χ^2/NDF : 35.0/21

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 777.456+/-0.193 χ^2/NDF :1416166.8/11

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

Left In: 819.620+/-0.210 χ^2/NDF :1228794.7/9

Left: 796.816+/-0.142 χ^2/NDF : 2666770.1/21

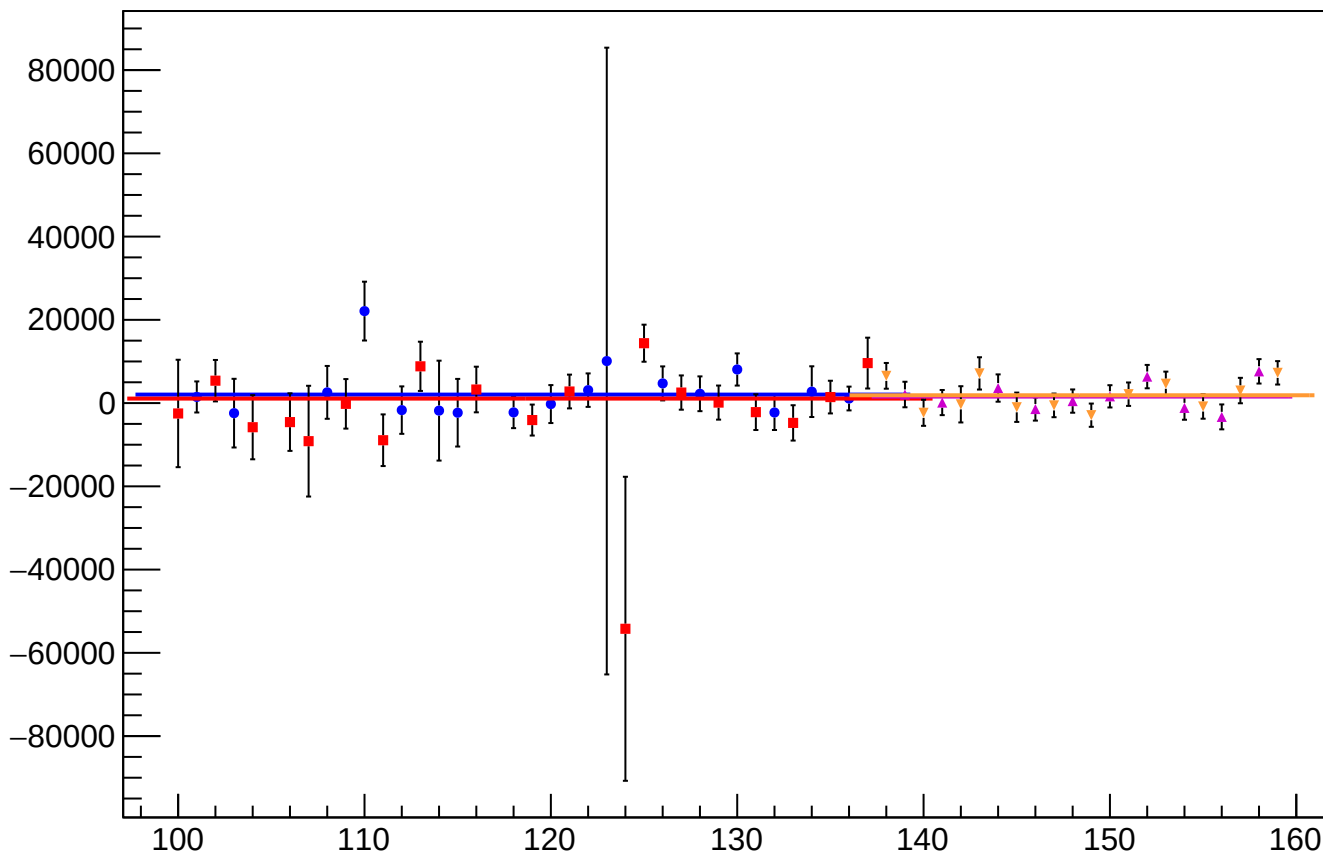
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 819.620+/-0.210 χ^2/NDF :1228794.7/9

Out: 777.456+/-0.193 χ^2/NDF :1416166.8/11

All: 796.816+/-0.142 χ^2/NDF : 2666770.1/21

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2037.803+/-1151.419 χ^2/NDF : 14.8/16

Left Out: 1878.257+/-893.737 χ^2/NDF :16.1/11

Right Out: 1080.125+/-1186.666 χ^2/NDF : 25.3/18

Left In: 1566.565+/-919.088 χ^2/NDF :12.7/9

Left: 1726.769+/-640.742 χ^2/NDF : 28.8/21

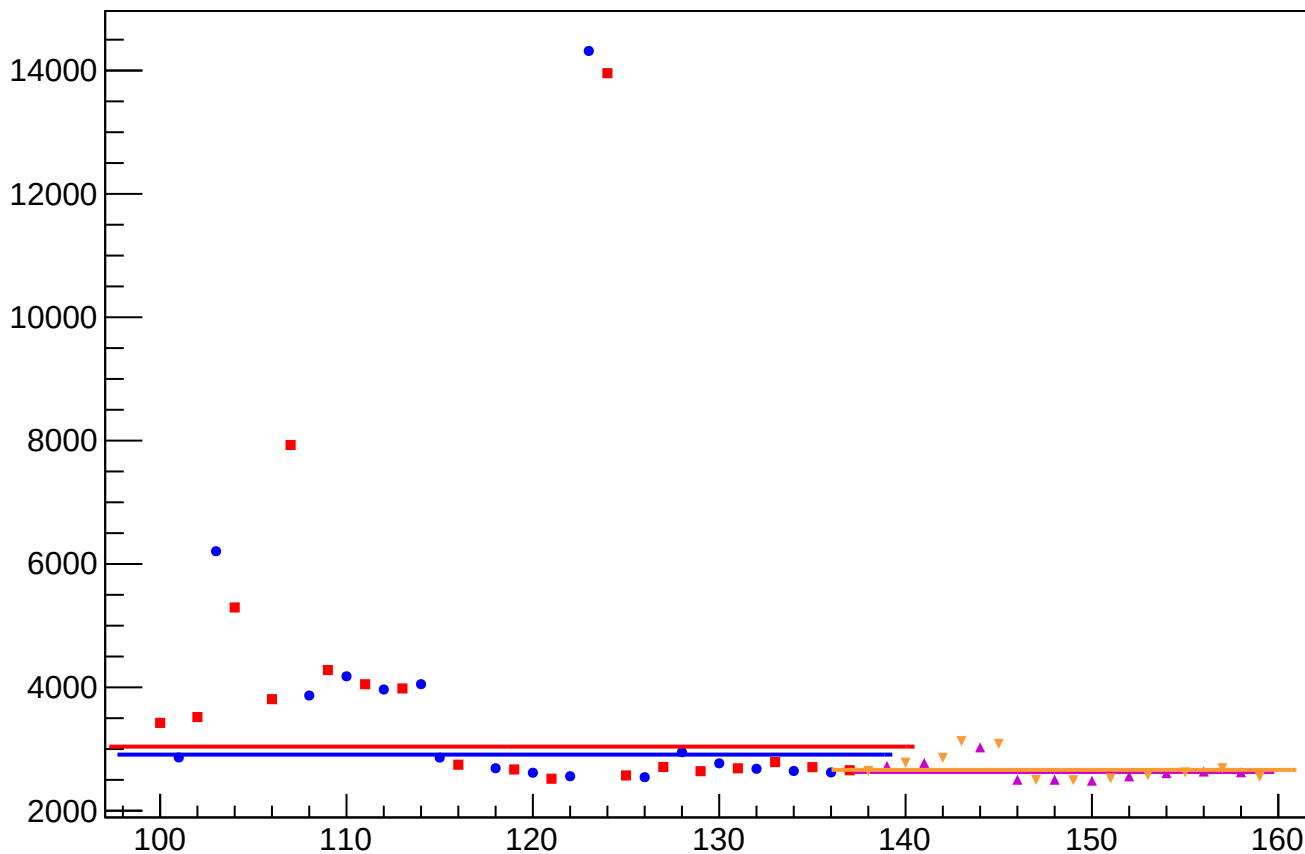
Right: 1573.398+/-826.356 χ^2/NDF : 40.5/35

In: 1749.964+/-718.310 χ^2/NDF :27.6/26

Out: 1589.386+/-713.909 χ^2/NDF :41.7/30

All: 1669.182+/-506.359 χ^2/NDF : 69.4/57

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2909.732+/-0.814 χ^2/NDF : 641894.7/16

Left Out: 2661.937+/-0.632 χ^2/NDF : 88133.6/11

Right Out: 3039.118+/-0.839 χ^2/NDF : 1011306.5/18

Left In: 2628.688+/-0.650 χ^2/NDF : 51379.8/9

Left: 2645.778+/-0.453 χ^2/NDF : 140858.6/21

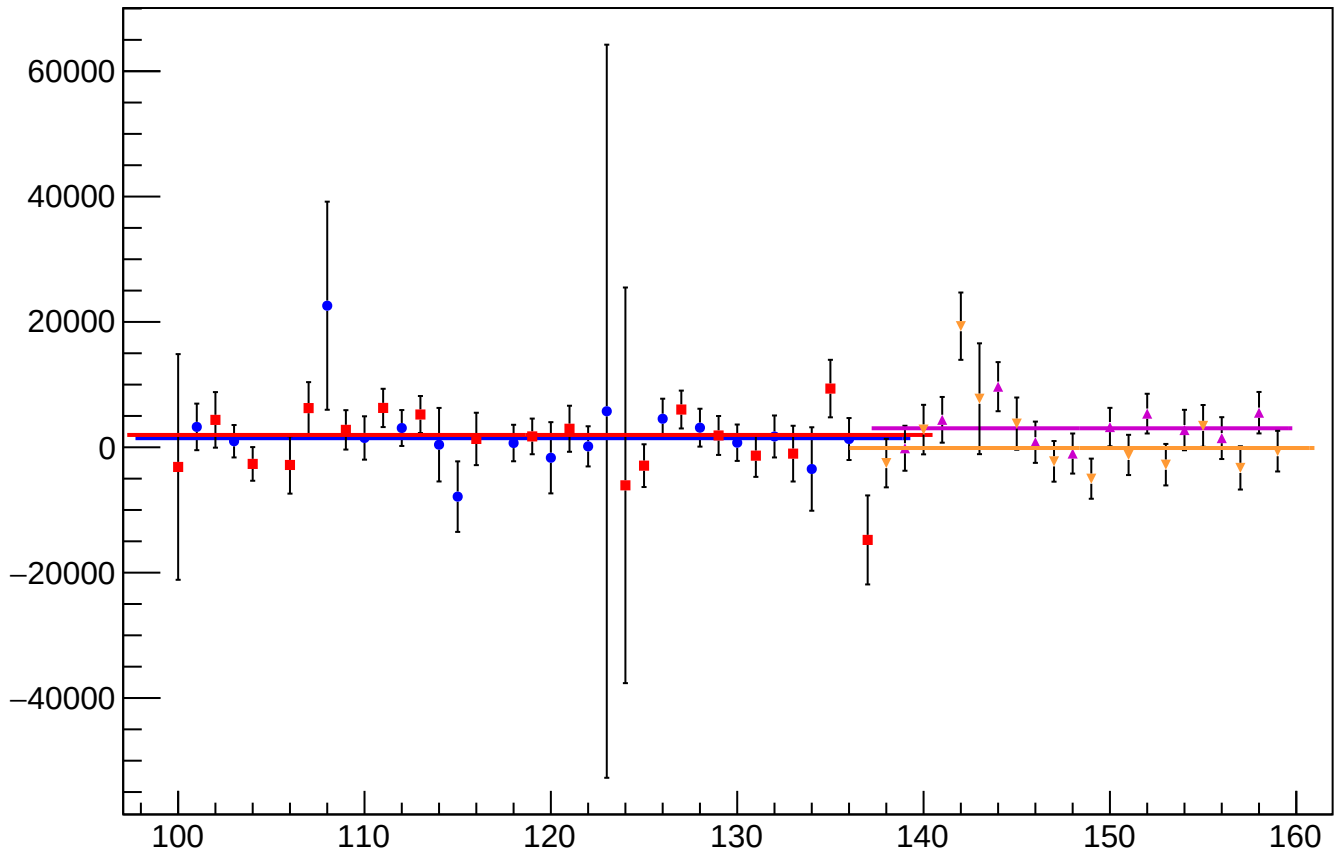
Right: 2972.475+/-0.584 χ^2/NDF : 1665447.8/35

In: 2738.067+/-0.508 χ^2/NDF : 766056.1/26

Out: 2798.451+/-0.505 χ^2/NDF : 1228365.5/30

All: 2768.444+/-0.358 χ^2/NDF : 2001531.9/57

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1451.980+/-889.008 χ^2/NDF : 7.4/16

Left Out: -114.644+/-1062.410 χ^2/NDF : 21.2/11

Right Out: 1969.182+/-850.490 χ^2/NDF : 22.4/18

Left In: 3032.745+/-1059.043 χ^2/NDF : 7.2/9

Left: 1464.045+/-750.044 χ^2/NDF : 32.8/21

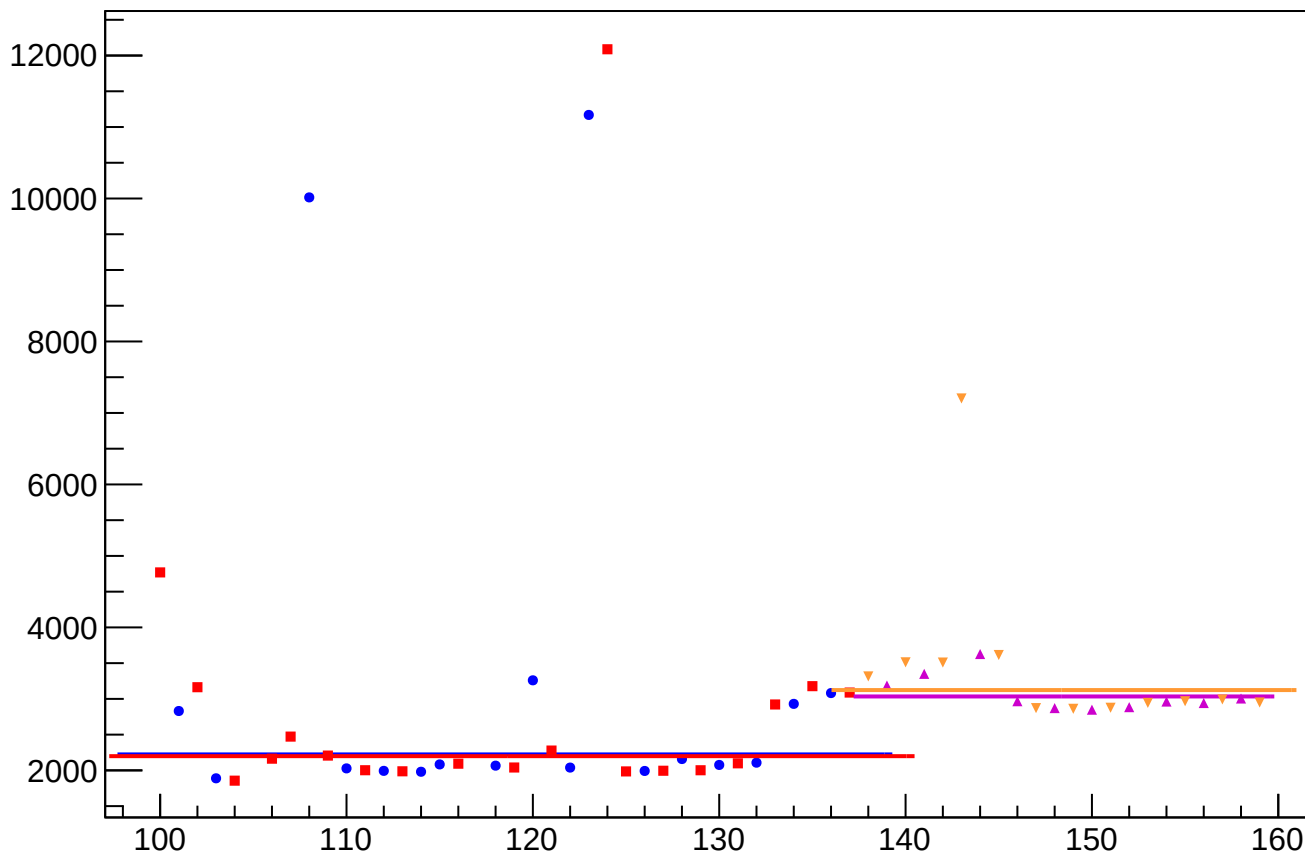
Right: 1722.028+/-614.553 χ^2/NDF : 30.0/35

In: 2105.429+/-680.904 χ^2/NDF : 15.9/26

Out: 1155.326+/-663.950 χ^2/NDF : 46.0/30

All: 1618.402+/-475.364 χ^2/NDF : 62.8/57

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2223.132+/-0.629 χ^2/NDF : 850289.4/16

Left Out: 3123.253+/-0.751 χ^2/NDF : 544380.1/11

Right Out: 2198.760+/-0.601 χ^2/NDF : 602418.1/18

Left In: 3034.012+/-0.749 χ^2/NDF : 84998.2/9

Left: 3078.491+/-0.530 χ^2/NDF : 636456.4/21

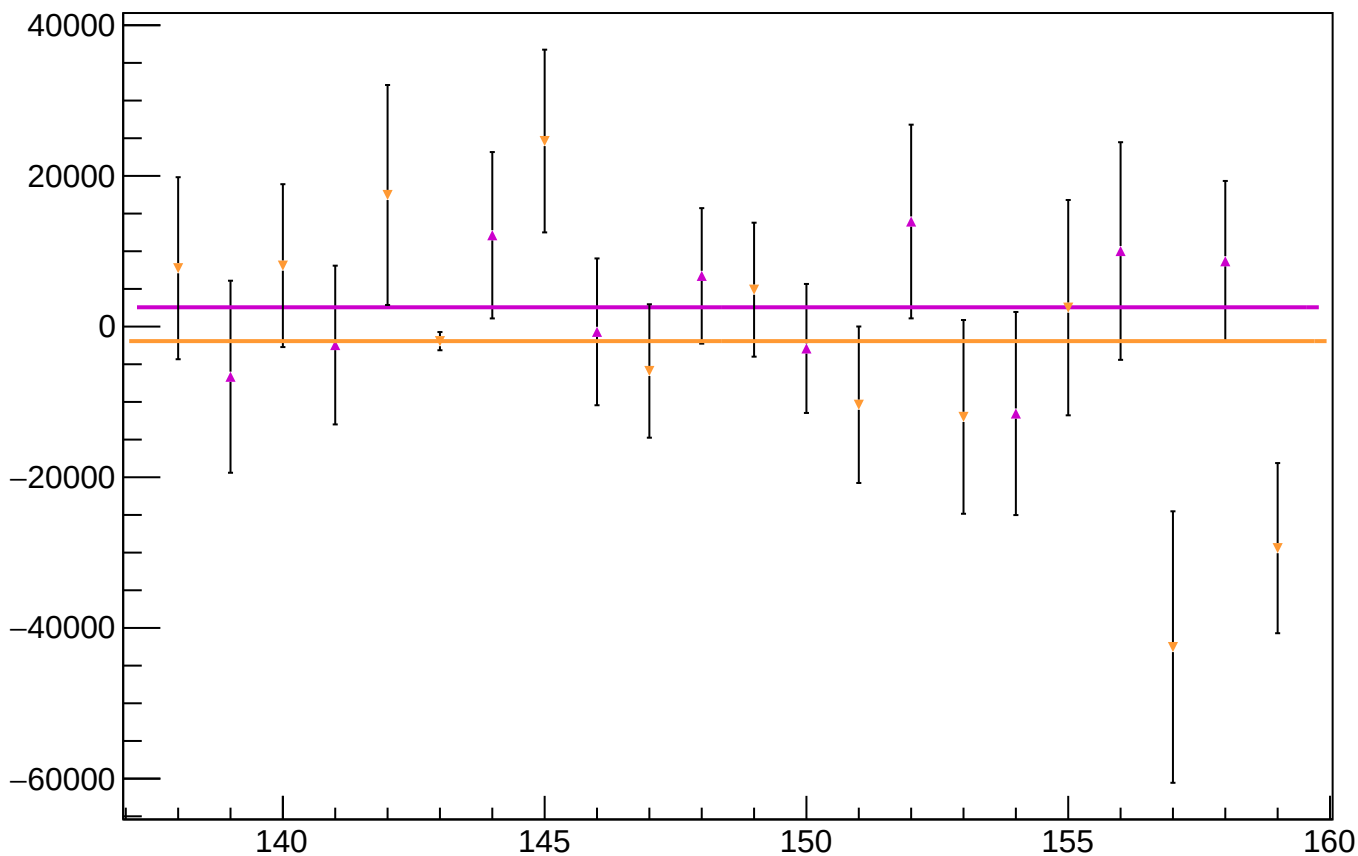
Right: 2210.398+/-0.434 χ^2/NDF : 1453492.9/35

In: 2558.329+/-0.481 χ^2/NDF : 1623110.9/26

Out: 2559.510+/-0.469 χ^2/NDF : 2070284.9/30

All: 2558.935+/-0.336 χ^2/NDF : 3693398.9/57

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1929.983+/-1141.116 χ^2/NDF :21.2/11

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

Left In: 2562.299+/-3428.674 χ^2/NDF :4.7/9

Left: -1482.010+/-1082.726 χ^2/NDF : 27.5/21

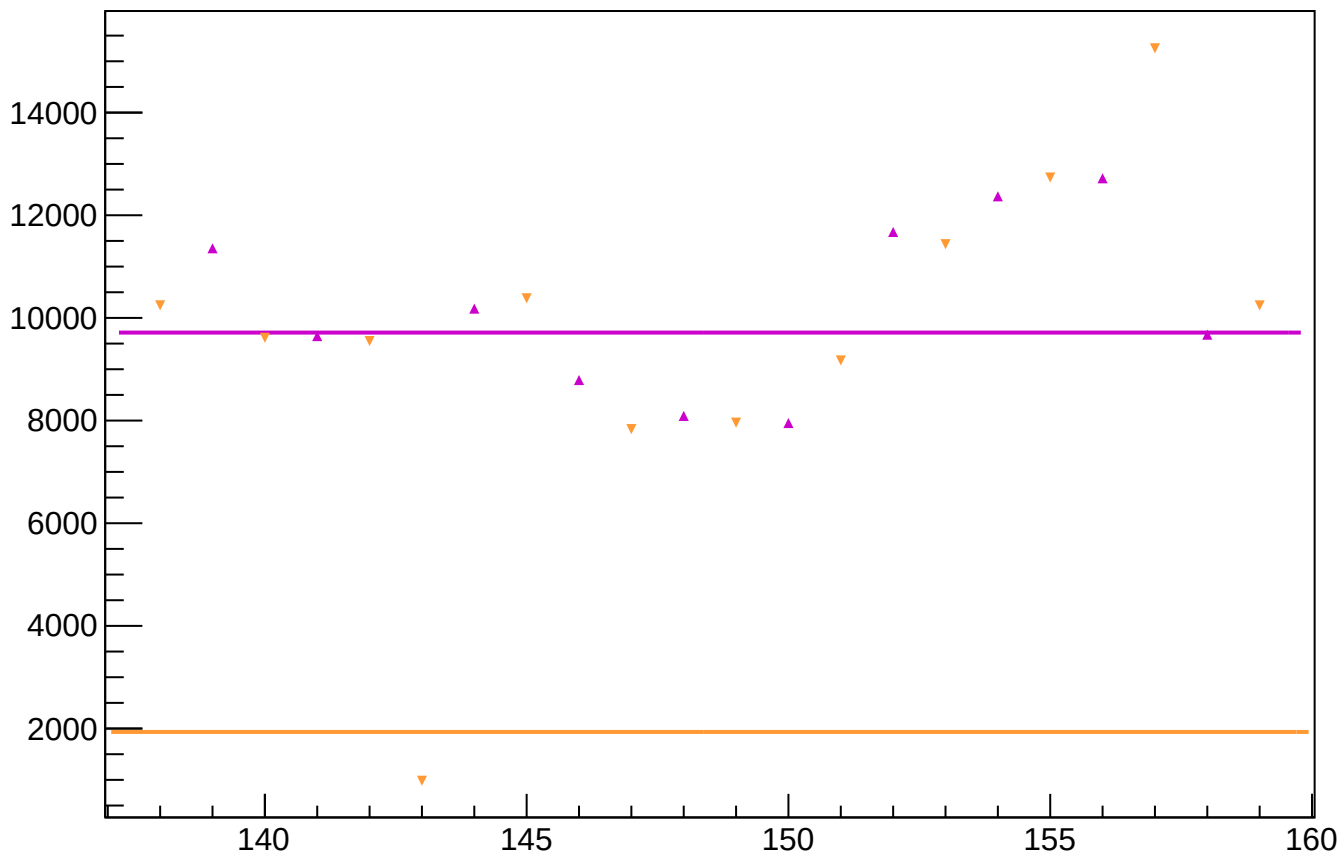
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2562.299+/-3428.674 χ^2/NDF :4.7/9

Out: -1929.983+/-1141.116 χ^2/NDF :21.2/11

All: -1482.010+/-1082.726 χ^2/NDF : 27.5/21

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 1933.830+/-0.807 χ^2/NDF :11897623.9/11

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

Left In: 9714.257+/-2.424 χ^2/NDF :415558.1/9

Left: 2709.699+/-0.766 χ^2/NDF : 21584936.1/21

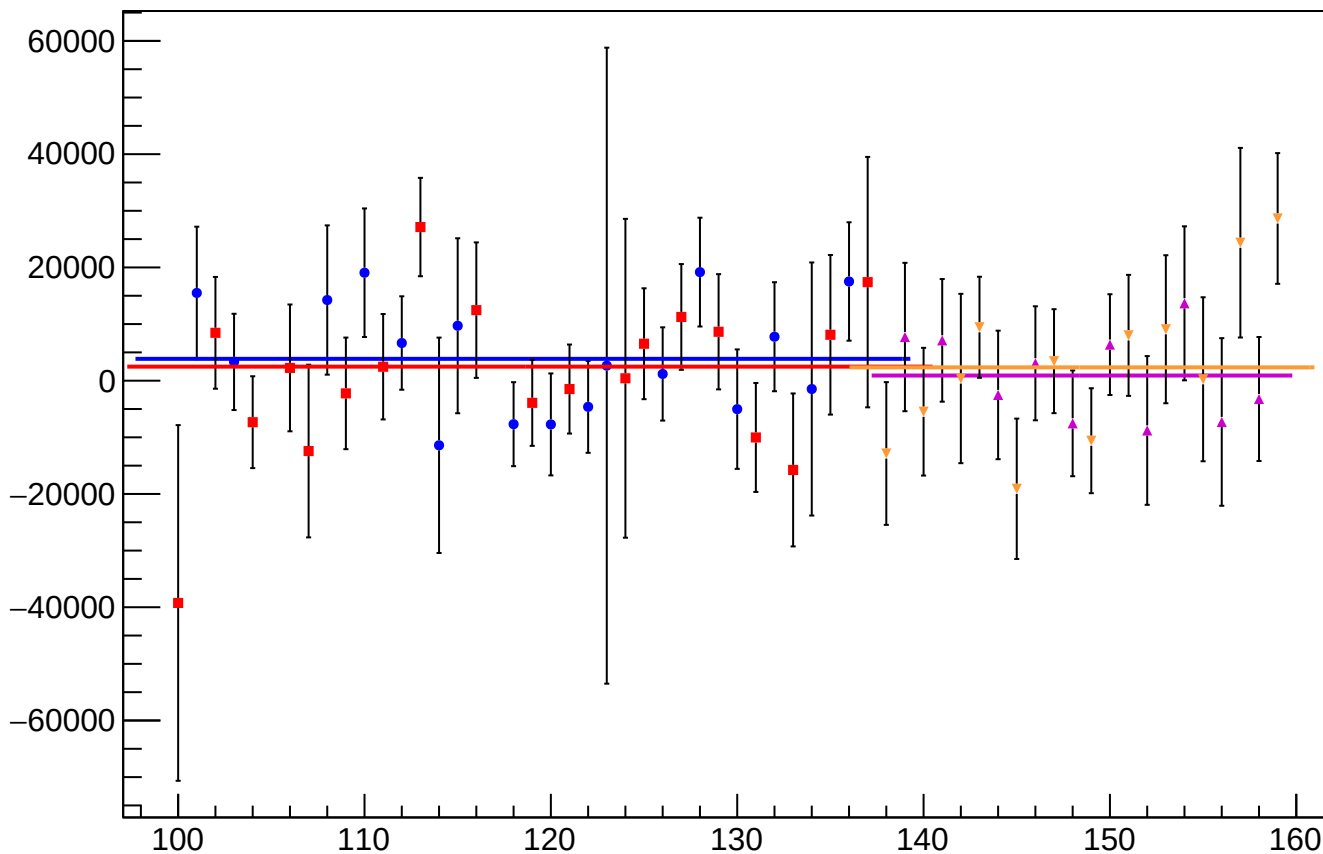
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9714.257+/-2.424 χ^2/NDF :415558.1/9

Out: 1933.830+/-0.807 χ^2/NDF :11897623.9/11

All: 2709.699+/-0.766 χ^2/NDF : 21584936.1/21

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3859.866 $\pm$ 2508.782 χ^2 /NDF: 14.8/16

Left Out: 2356.043 $\pm$ 3302.553 χ^2 /NDF:15.0/11

Right Out: 2482.925 $\pm$ 2421.310 χ^2 /NDF: 20.0/18

Left In: 914.012 $\pm$ 3531.106 χ^2 /NDF:3.8/9

Left: 1683.203 $\pm$ 2412.012 χ^2 /NDF: 18.9/21

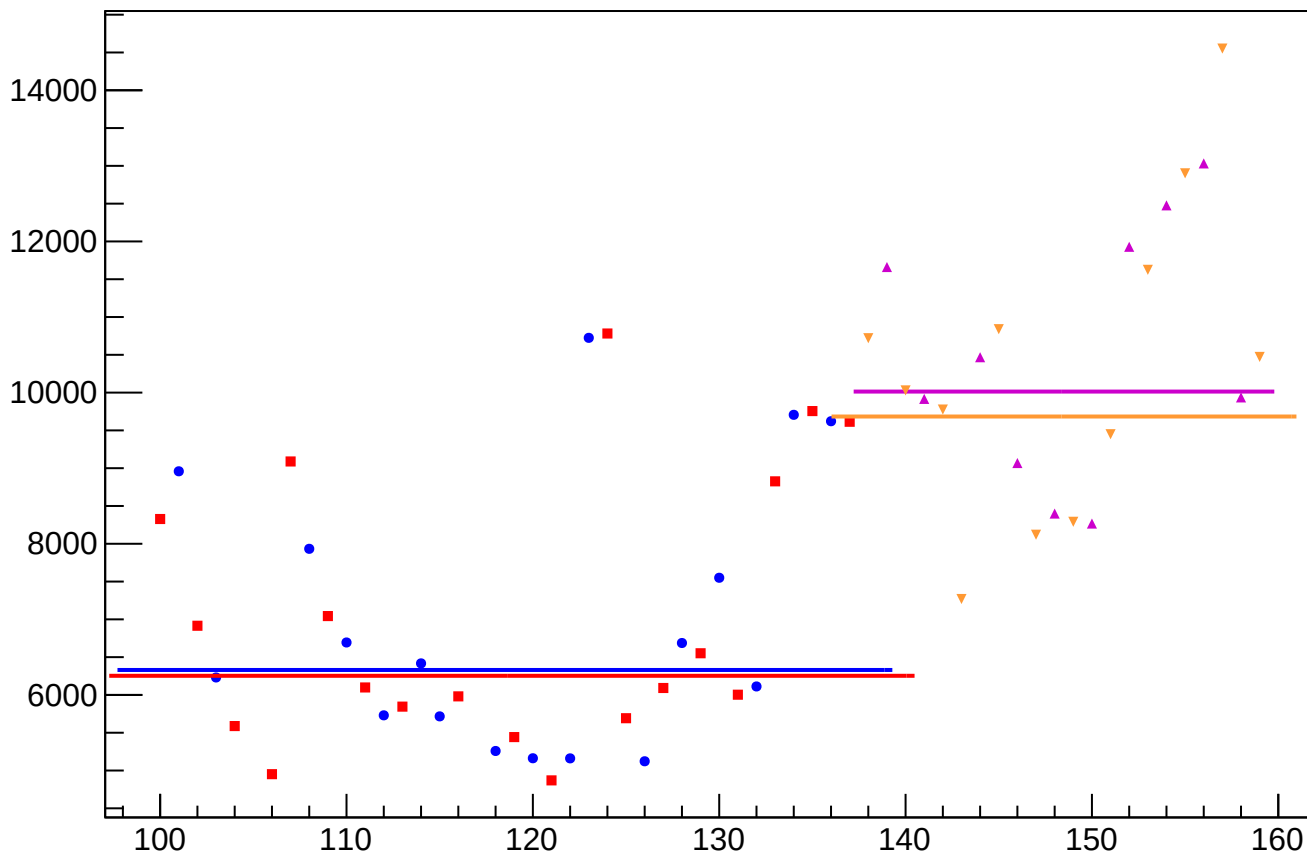
Right: 3146.972 $\pm$ 1742.228 χ^2 /NDF: 35.0/35

In: 2871.673 $\pm$ 2045.154 χ^2 /NDF:19.0/26

Out: 2438.566 $\pm$ 1952.715 χ^2 /NDF:35.1/30

All: 2645.110 $\pm$ 1412.327 χ^2 /NDF: 54.1/57

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6330.291+/-1.774 χ^2/NDF : 593395.6/16

Left Out: 9683.674+/-2.335 χ^2/NDF : 604840.1/11

Right Out: 6253.330+/-1.712 χ^2/NDF : 535355.5/18

Left In: 10013.687+/-2.497 χ^2/NDF : 380911.1/9

Left: 9837.655+/-1.706 χ^2/NDF : 995069.4/21

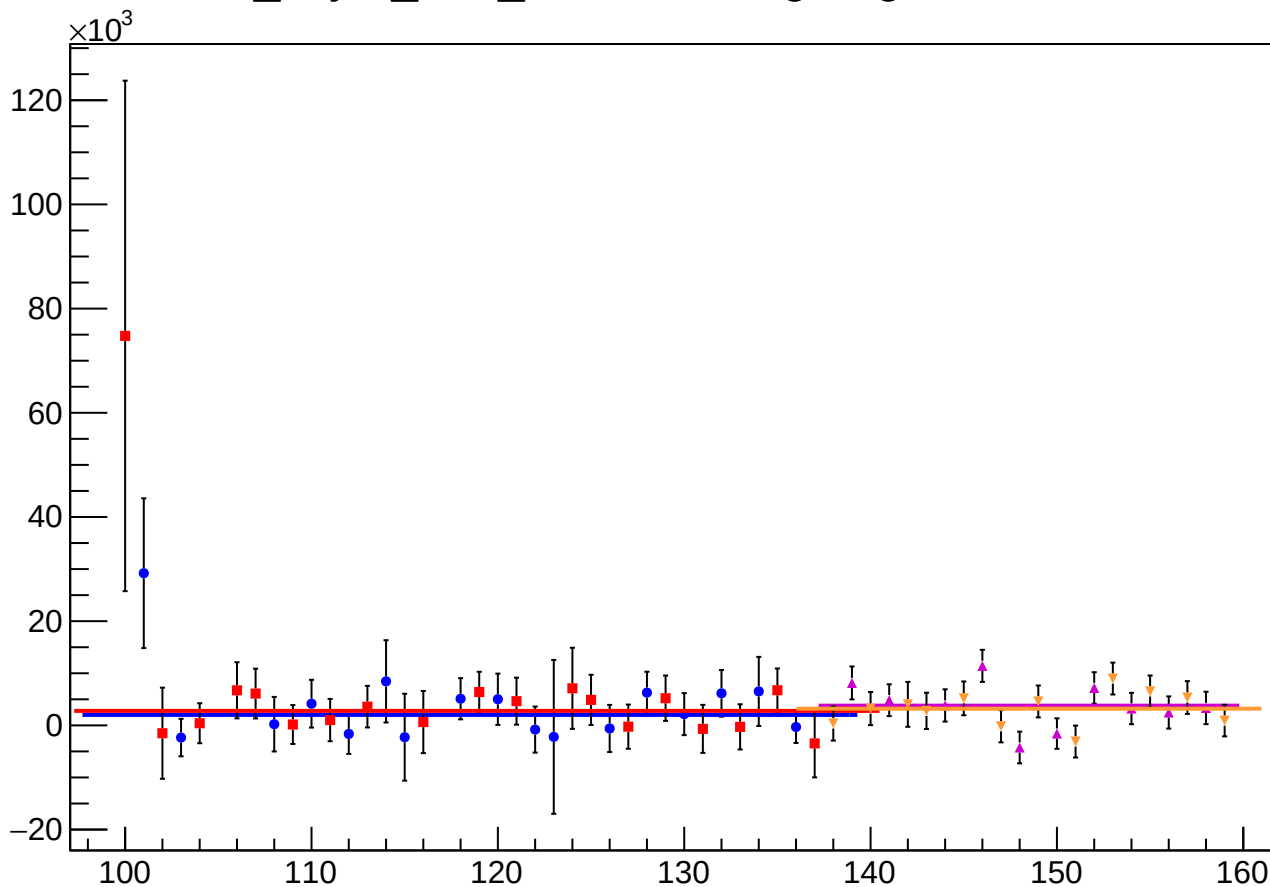
Right: 6290.444+/-1.232 χ^2/NDF : 1129725.5/35

In: 7565.887+/-1.446 χ^2/NDF : 2420522.1/26

Out: 7452.525+/-1.381 χ^2/NDF : 2543644.3/30

All: 7506.585+/-0.999 χ^2/NDF : 4967381.0/57

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2005.383+/-1134.240 χ^2/NDF : 12.1/16

Left Out: 3201.525+/-926.816 χ^2/NDF : 12.6/11

Right Out: 2781.006+/-1086.164 χ^2/NDF : 9.9/18

Left In: 3782.277+/-966.792 χ^2/NDF : 20.0/9

Left: 3479.646+/-669.044 χ^2/NDF : 32.8/21

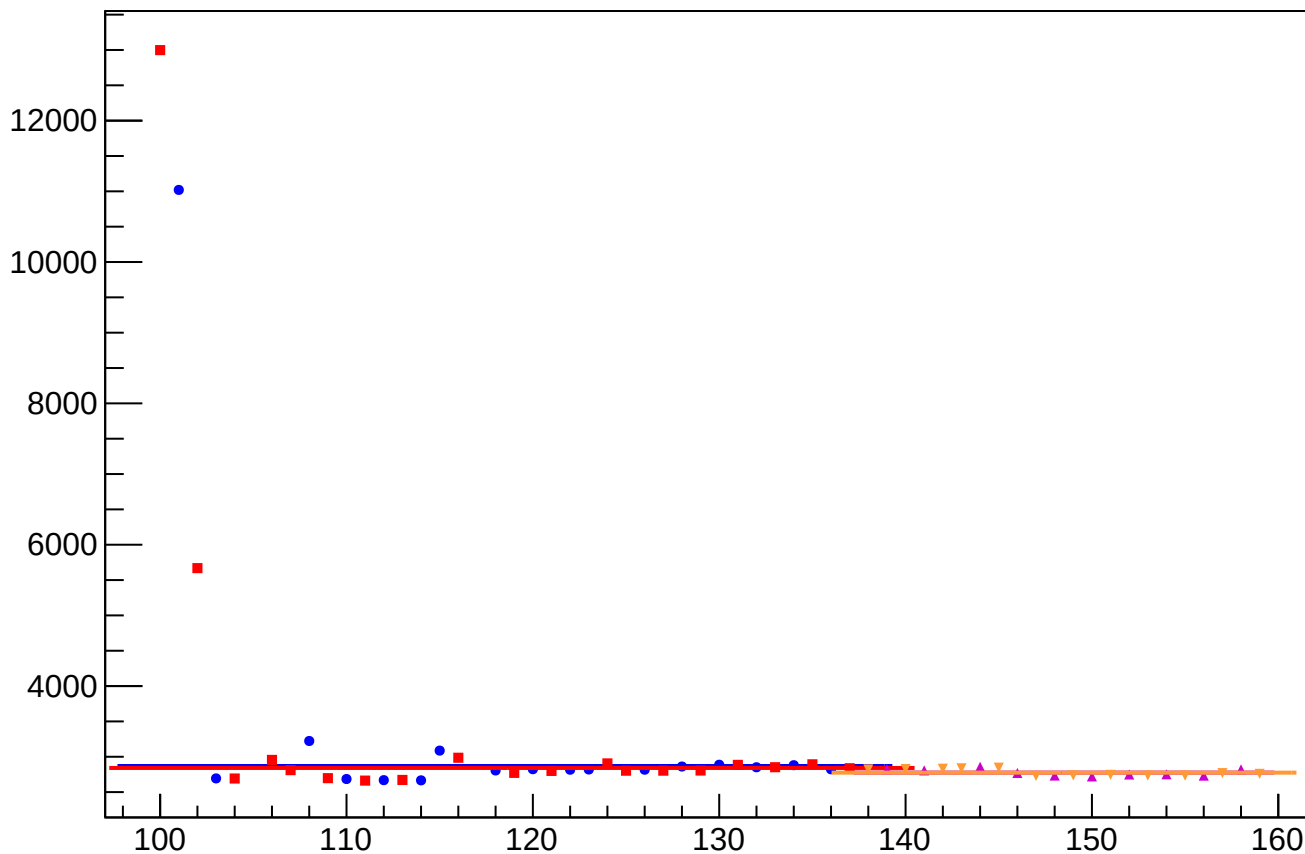
Right: 2409.980+/-784.479 χ^2/NDF : 22.2/35

In: 3034.551+/-735.775 χ^2/NDF : 33.5/26

Out: 3024.346+/-705.030 χ^2/NDF : 22.6/30

All: 3029.231+/-509.054 χ^2/NDF : 56.0/57

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2869.197 $\pm$ 0.802 χ^2 /NDF: 669900.5/16

Left Out: 2775.291 $\pm$ 0.655 χ^2 /NDF: 4624.0/11

Right Out: 2841.561 $\pm$ 0.768 χ^2 /NDF: 312523.0/18

Left In: 2775.881 $\pm$ 0.684 χ^2 /NDF: 4213.6/9

Left: 2775.574 $\pm$ 0.473 χ^2 /NDF: 8838.0/21

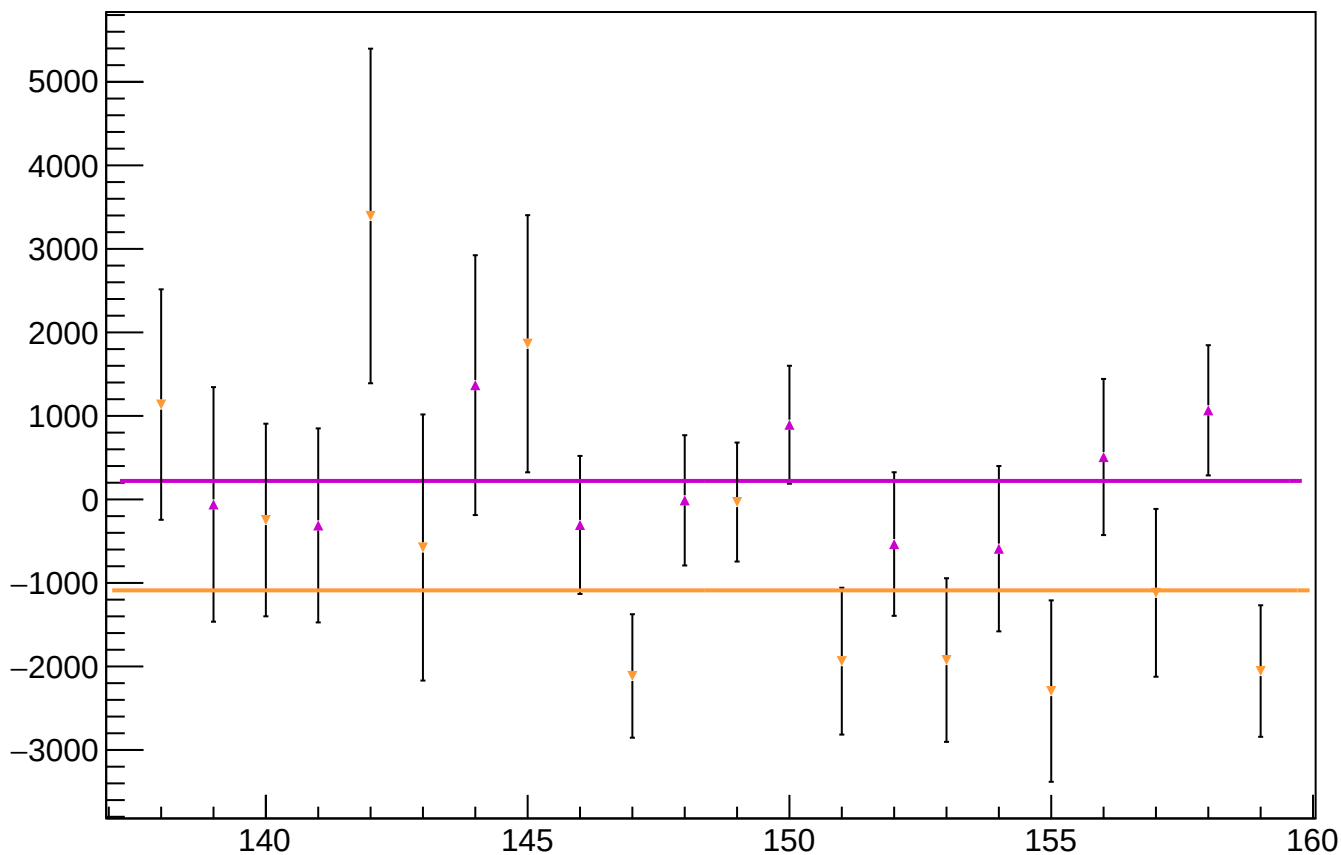
Right: 2854.781 $\pm$ 0.555 χ^2 /NDF: 983042.8/35

In: 2815.149 $\pm$ 0.520 χ^2 /NDF: 681954.8/26

Out: 2803.213 $\pm$ 0.499 χ^2 /NDF: 321455.1/30

All: 2808.926 $\pm$ 0.360 χ^2 /NDF: 1003684.3/57

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: -1088.955+/-289.537 χ^2/NDF :20.4/11

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

Left In: 221.647+/-289.410 χ^2/NDF :4.9/9

Left: -433.366+/-204.689 χ^2/NDF : 35.6/21

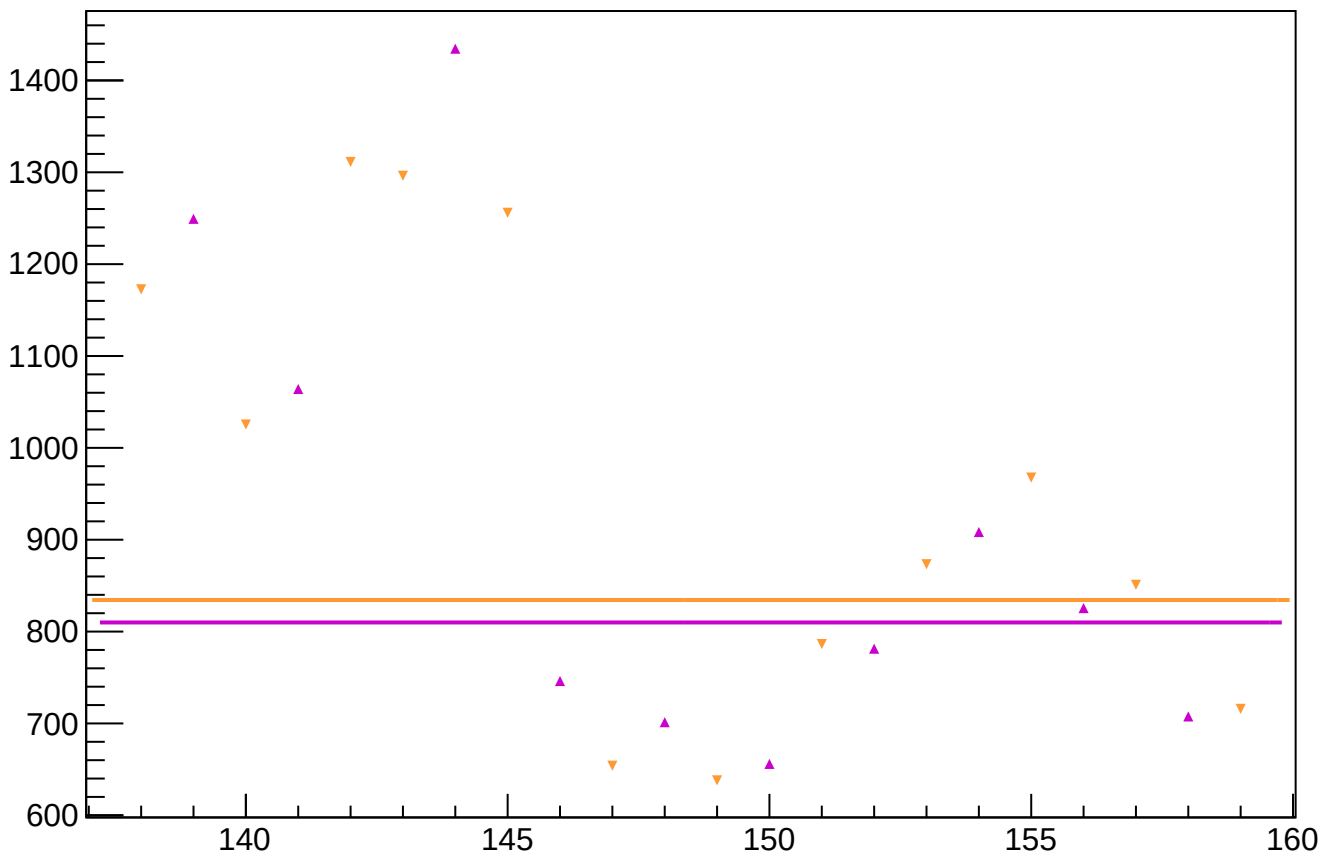
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 221.647+/-289.410 χ^2/NDF :4.9/9

Out: -1088.955+/-289.537 χ^2/NDF :20.4/11

All: -433.366+/-204.689 χ^2/NDF : 35.6/21

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 834.375+/-0.205 χ^2/NDF :962398.3/11

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

Left In: 809.921+/-0.205 χ^2/NDF :816801.5/9

Left: 822.143+/-0.145 χ^2/NDF : 1786336.4/21

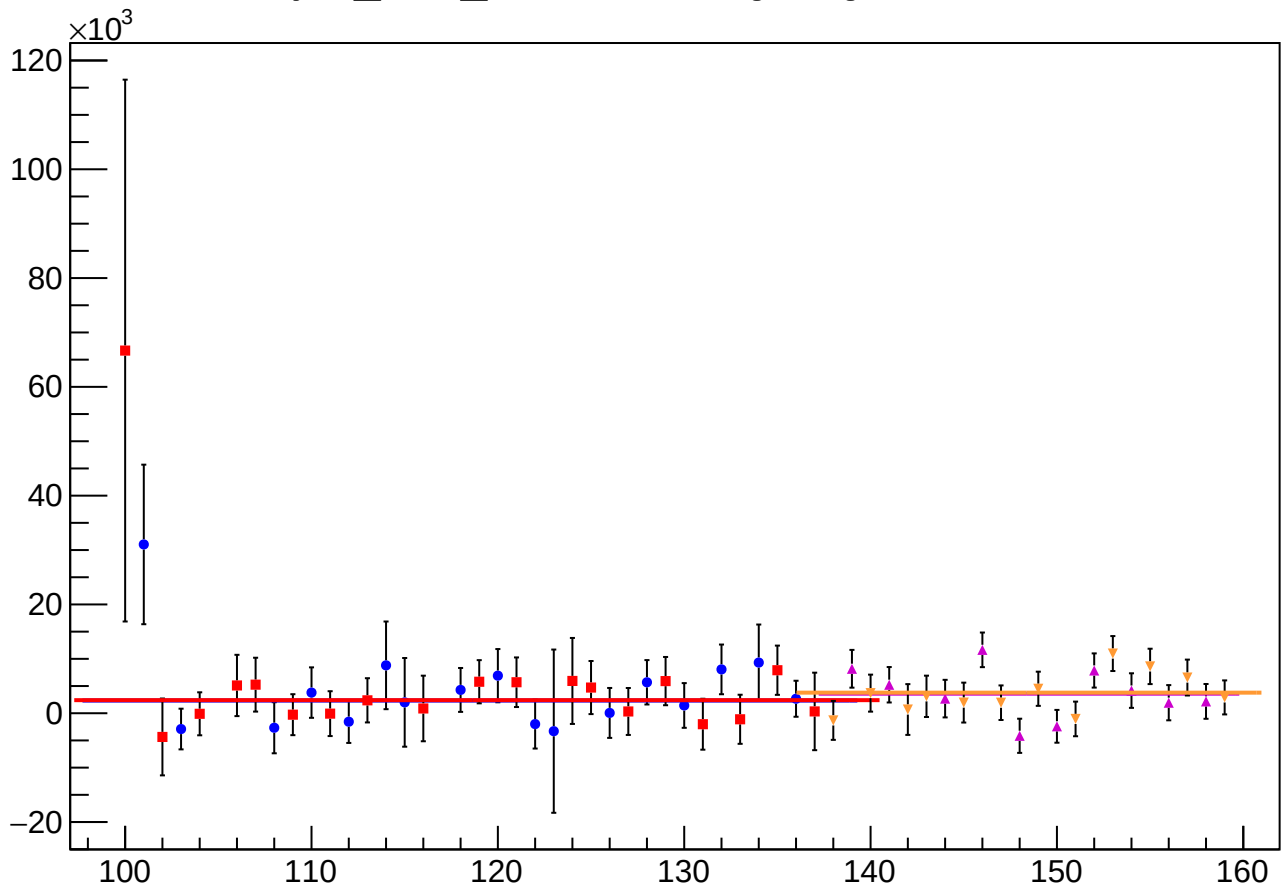
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 809.921+/-0.205 χ^2/NDF :816801.5/9

Out: 834.375+/-0.205 χ^2/NDF :962398.3/11

All: 822.143+/-0.145 χ^2/NDF : 1786336.4/21

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2330.134+/-1156.555 χ^2/NDF : 14.4/16

Left Out: 3783.855+/-981.161 χ^2/NDF :13.4/11

Right Out: 2403.750+/-1110.093 χ^2/NDF : 10.1/18

Left In: 3595.105+/-1018.199 χ^2/NDF :20.8/9

Left: 3692.975+/-706.517 χ^2/NDF : 34.3/21

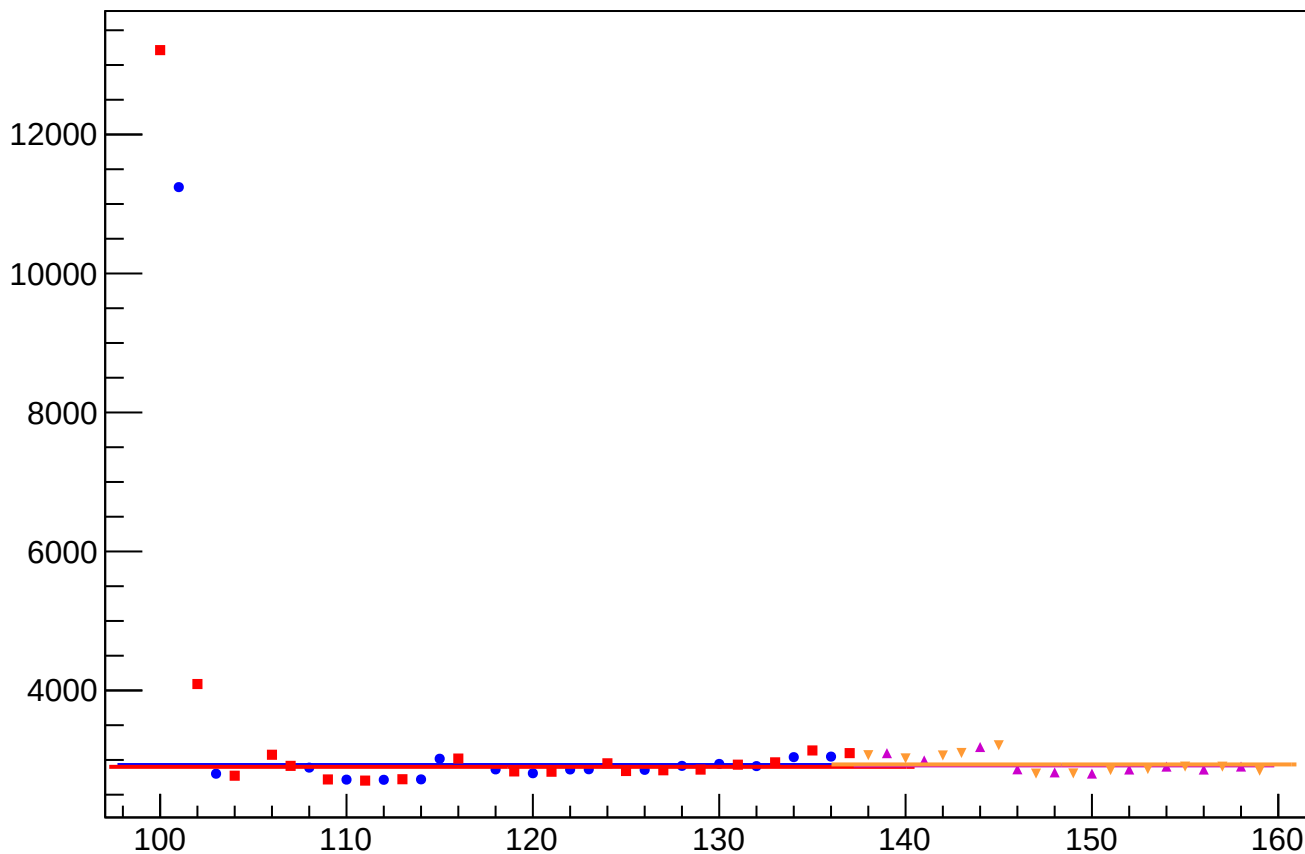
Right: 2368.450+/-800.876 χ^2/NDF : 24.5/35

In: 3042.771+/-764.235 χ^2/NDF :35.9/26

Out: 3178.568+/-735.163 χ^2/NDF :24.4/30

All: 3113.301+/-529.818 χ^2/NDF : 60.3/57

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2926.610 $\pm$ 0.818 χ^2 /NDF: 662794.4/16

Left Out: 2935.297 $\pm$ 0.694 χ^2 /NDF: 31709.0/11

Right Out: 2900.827 $\pm$ 0.785 χ^2 /NDF: 169866.6/18

Left In: 2921.534 $\pm$ 0.720 χ^2 /NDF: 25056.0/9

Left: 2928.671 $\pm$ 0.500 χ^2 /NDF: 56954.5/21

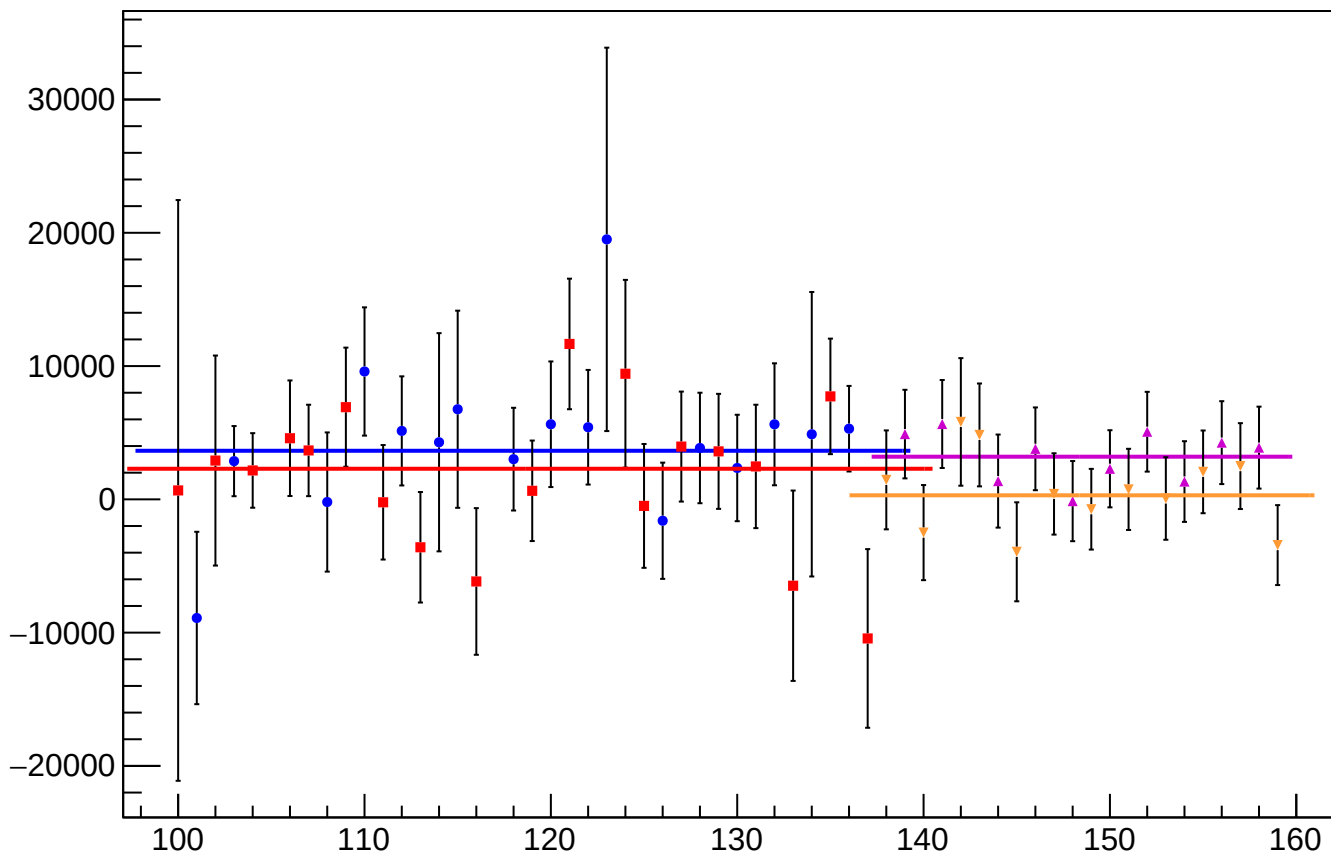
Right: 2913.190 $\pm$ 0.566 χ^2 /NDF: 833178.3/35

In: 2923.751 $\pm$ 0.540 χ^2 /NDF: 687872.1/26

Out: 2920.179 $\pm$ 0.520 χ^2 /NDF: 202658.3/30

All: 2921.896 $\pm$ 0.375 χ^2 /NDF: 890553.0/57

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3645.268 $\pm$ 1091.486 χ^2 /NDF: 9.9/16

Left Out: 303.657 $\pm$ 964.705 χ^2 /NDF: 7.2/11

Right Out: 2295.846 $\pm$ 1046.865 χ^2 /NDF: 18.4/18

Left In: 3200.531 $\pm$ 986.202 χ^2 /NDF: 3.4/9

Left: 1720.178 $\pm$ 689.624 χ^2 /NDF: 15.0/21

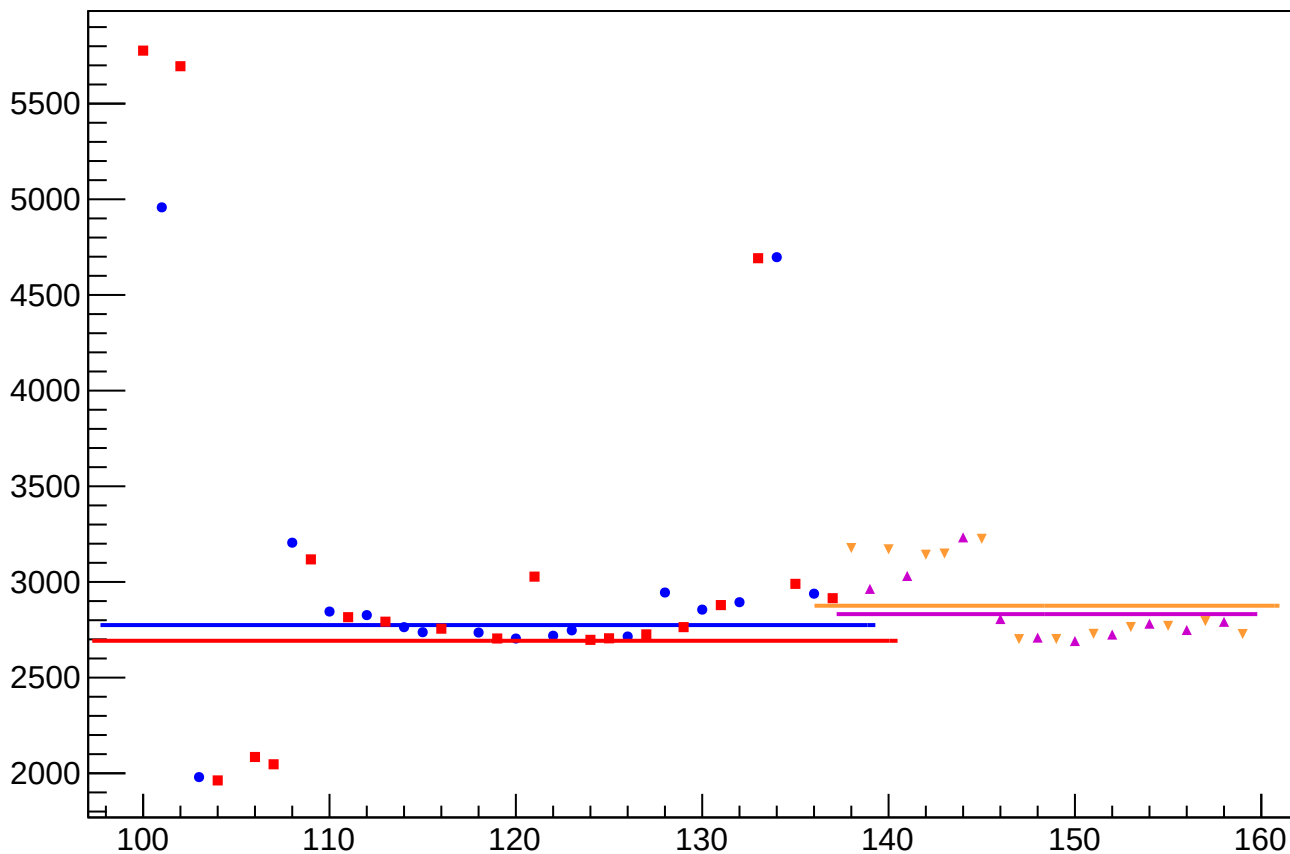
Right: 2942.410 $\pm$ 755.528 χ^2 /NDF: 29.1/35

In: 3400.421 $\pm$ 731.748 χ^2 /NDF: 13.3/26

Out: 1218.519 $\pm$ 709.419 χ^2 /NDF: 27.6/30

All: 2275.672 $\pm$ 509.346 χ^2 /NDF: 45.5/57

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2774.617+/-0.772 χ^2/NDF : 501680.3/16

Left Out: 2875.737+/-0.682 χ^2/NDF : 89569.8/11

Right Out: 2692.509+/-0.740 χ^2/NDF : 780267.3/18

Left In: 2831.869+/-0.697 χ^2/NDF : 49905.1/9

Left: 2854.286+/-0.488 χ^2/NDF : 141497.1/21

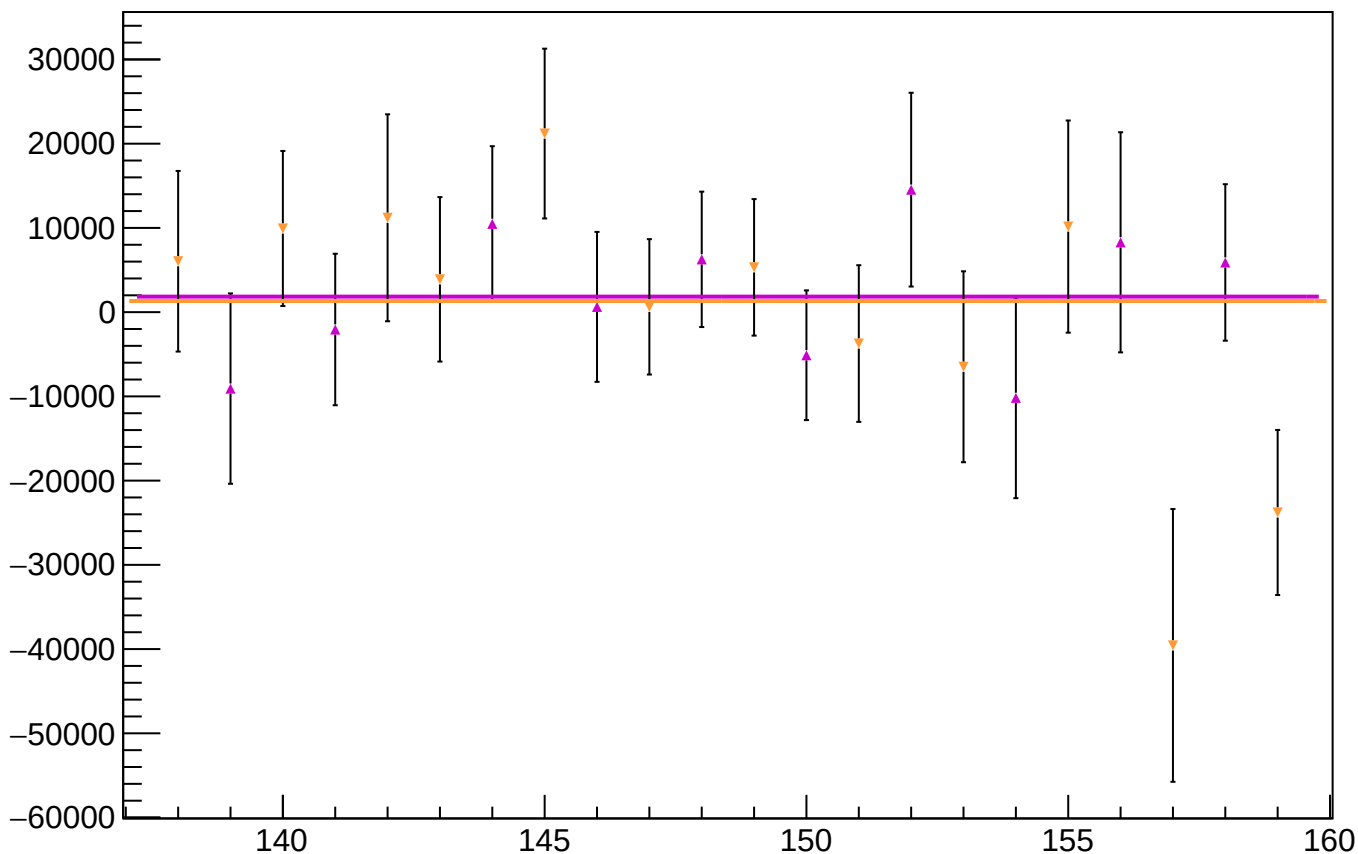
Right: 2731.837+/-0.534 χ^2/NDF : 1287844.4/35

In: 2806.137+/-0.517 χ^2/NDF : 554614.9/26

Out: 2791.565+/-0.502 χ^2/NDF : 902980.7/30

All: 2798.624+/-0.360 χ^2/NDF : 1458004.4/57

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 1323.170+/-2910.404 χ^2/NDF :20.1/11

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

Left In: 1842.546+/-3028.863 χ^2/NDF :5.8/9

Left: 1572.503+/-2098.595 χ^2/NDF : 26.0/21

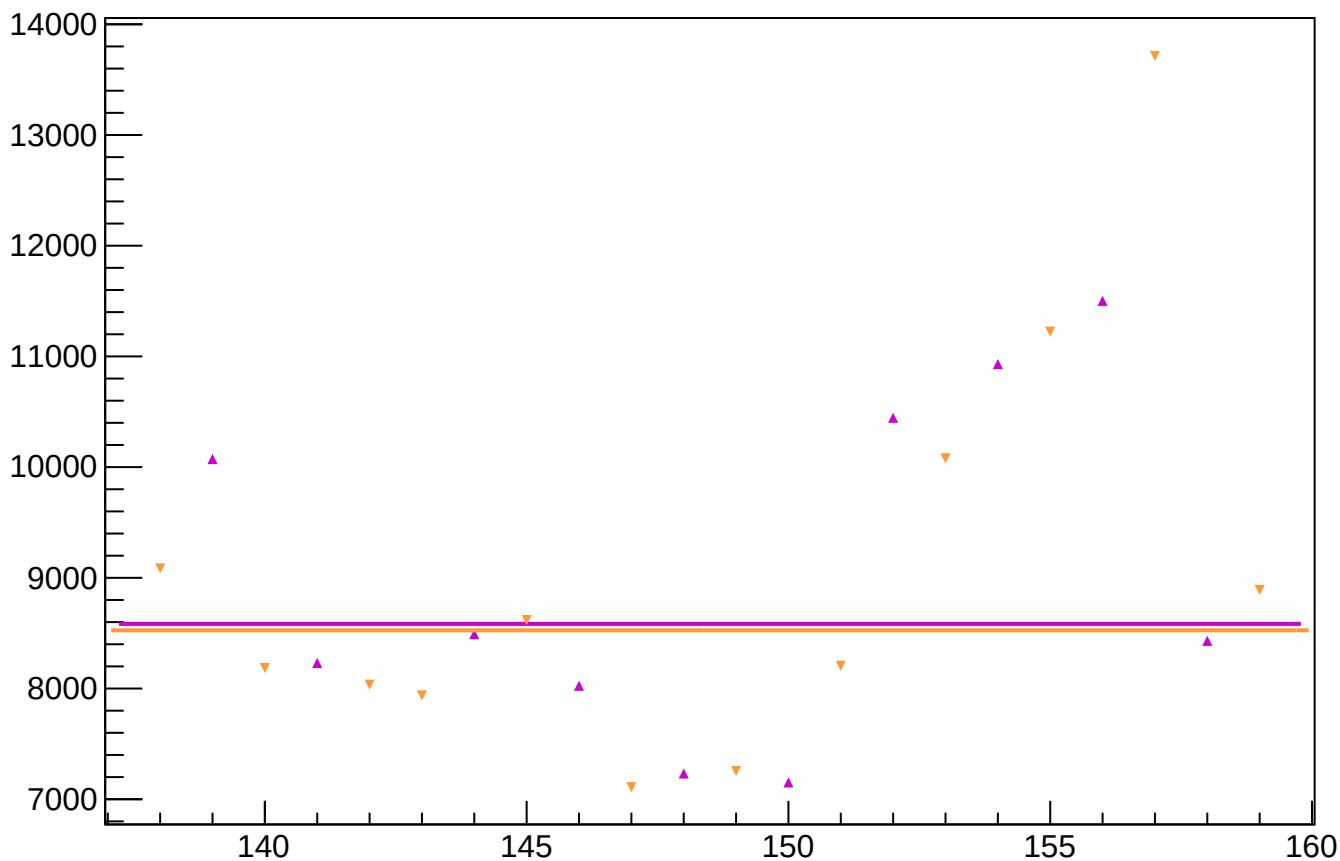
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1842.546+/-3028.863 χ^2/NDF :5.8/9

Out: 1323.170+/-2910.404 χ^2/NDF :20.1/11

All: 1572.503+/-2098.595 χ^2/NDF : 26.0/21

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8525.908+/-2.058 χ^2/NDF :469982.6/11

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

Left In: 8583.996+/-2.142 χ^2/NDF :401983.4/9

Left: 8553.794+/-1.484 χ^2/NDF : 872348.4/21

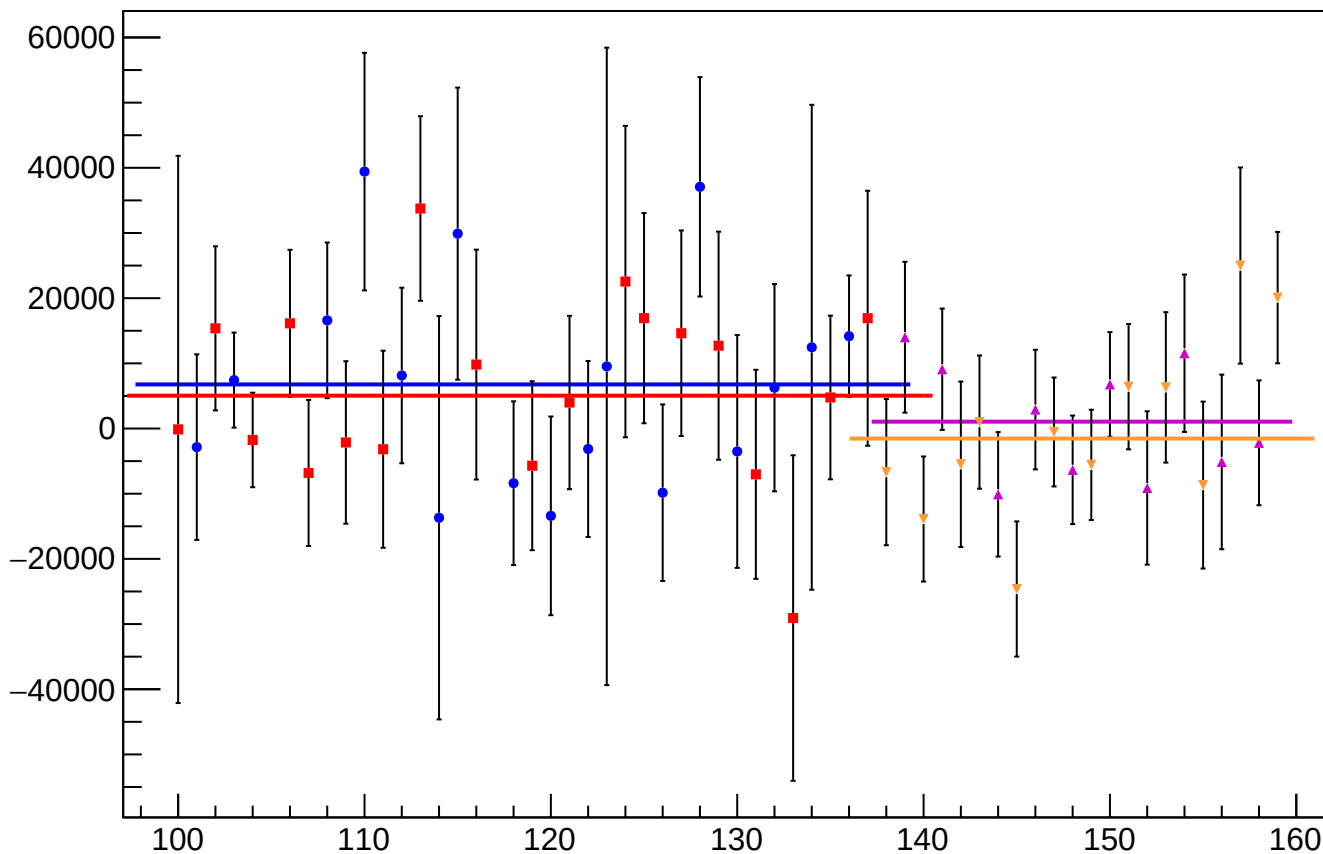
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 8583.996+/-2.142 χ^2/NDF :401983.4/9

Out: 8525.908+/-2.058 χ^2/NDF :469982.6/11

All: 8553.794+/-1.484 χ^2/NDF : 872348.4/21

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6767.402+/-3387.139 χ^2/NDF : 15.3/16

Left Out: -1539.066+/-3003.076 χ^2/NDF : 16.4/11

Right Out: 5041.440+/-3167.616 χ^2/NDF : 13.6/18

Left In: 1053.684+/-3125.945 χ^2/NDF : 6.5/9

Left: -294.647+/-2165.630 χ^2/NDF : 23.3/21

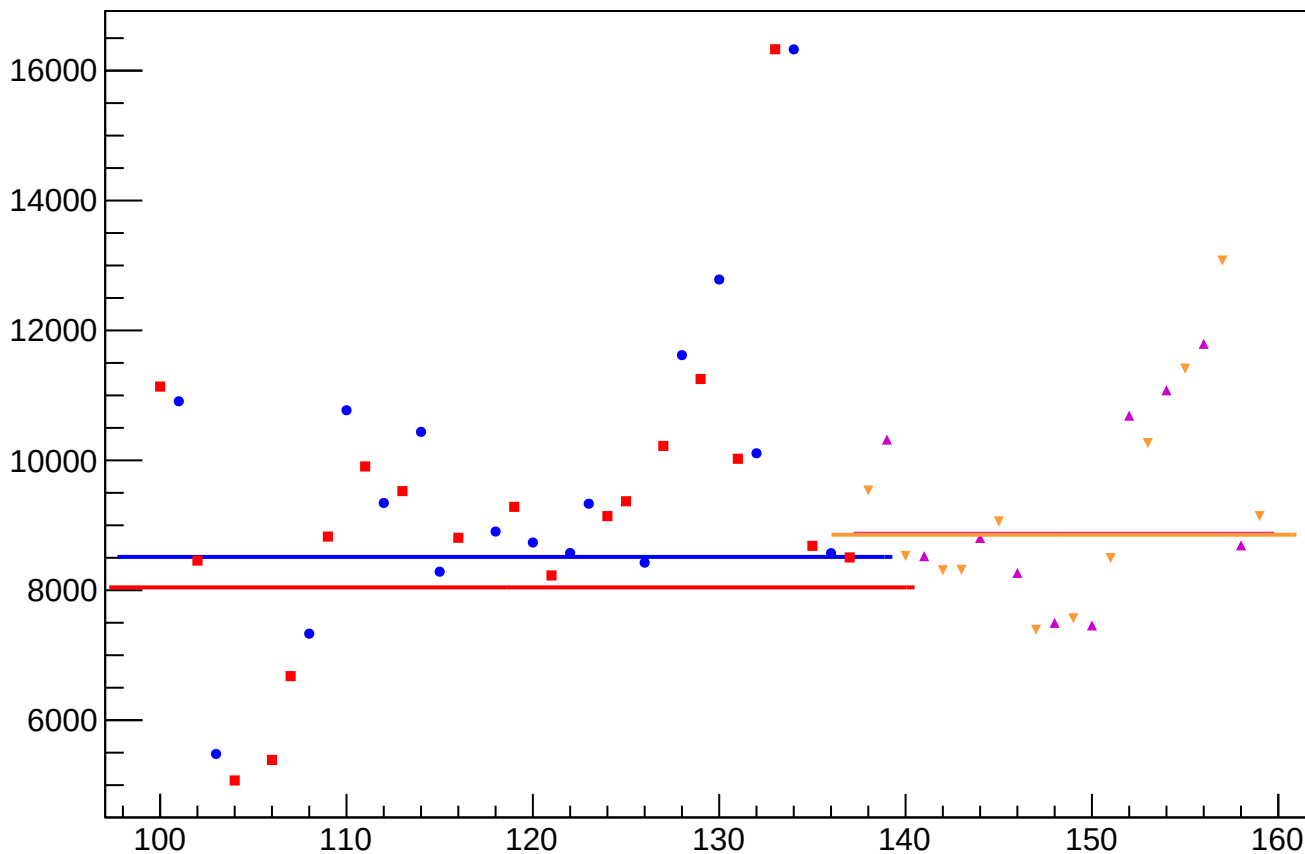
Right: 5846.682+/-2313.559 χ^2/NDF : 29.1/35

In: 3681.774+/-2297.173 χ^2/NDF : 23.4/26

Out: 1575.844+/-2179.343 χ^2/NDF : 32.3/30

All: 2573.415+/-1581.043 χ^2/NDF : 56.1/57

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8513.665+/-2.395 χ^2/NDF : 762614.5/16

Left Out: 8855.518+/-2.123 χ^2/NDF : 398701.2/11

Right Out: 8044.739+/-2.240 χ^2/NDF : 952310.5/18

Left In: 8869.731+/-2.210 χ^2/NDF : 369640.2/9

Left: 8862.340+/-1.531 χ^2/NDF : 768362.9/21

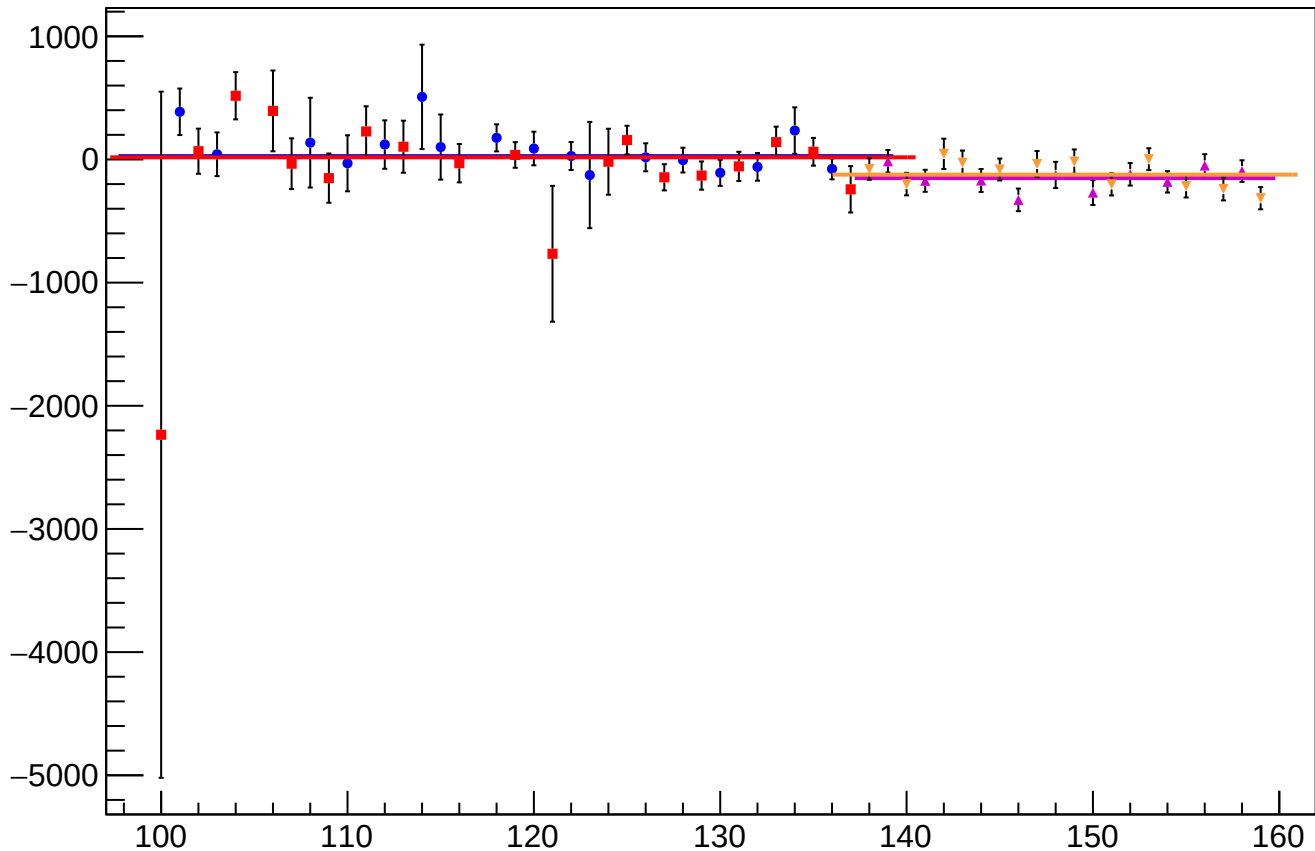
Right: 8263.507+/-1.636 χ^2/NDF : 1735374.5/35

In: 8705.955+/-1.624 χ^2/NDF : 1144190.4/26

Out: 8471.718+/-1.541 χ^2/NDF : 1420020.6/30

All: 8582.673+/-1.118 χ^2/NDF : 2575155.5/57

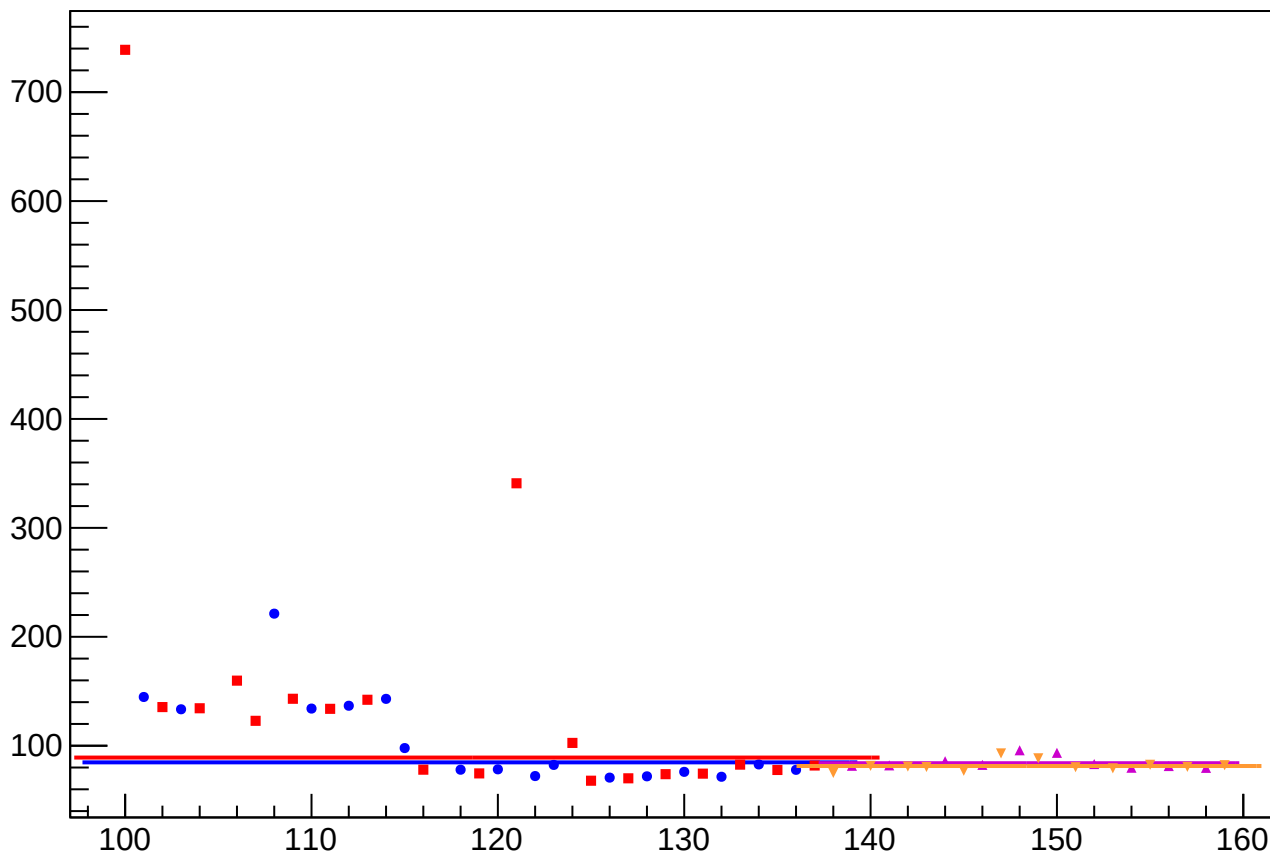
dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 26.932 ± 34.029 $\chi^2/\text{NDF}: 12.6/16$
 Left Out: -123.234 ± 27.276 $\chi^2/\text{NDF}: 15.7/11$
 Right Out: 17.368 ± 35.548 $\chi^2/\text{NDF}: 21.9/18$
 Left In: -151.209 ± 29.280 $\chi^2/\text{NDF}: 9.4/9$

Left: -136.231 ± 19.958 $\chi^2/\text{NDF}: 25.5/21$
 Right: 22.359 ± 24.581 $\chi^2/\text{NDF}: 34.5/35$
 In: -75.425 ± 22.195 $\chi^2/\text{NDF}: 37.7/26$
 Out: -71.131 ± 21.639 $\chi^2/\text{NDF}: 47.4/30$
 All: -73.223 ± 15.494 $\chi^2/\text{NDF}: 85.1/57$

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.737 $\pm$ 0.024 χ^2 /NDF: 1064420.0/16

Left Out: 81.386 $\pm$ 0.019 χ^2 /NDF: 52073.5/11

Right Out: 89.143 $\pm$ 0.025 χ^2 /NDF: 1559269.8/18

Left In: 83.955 $\pm$ 0.021 χ^2 /NDF: 57493.3/9

Left: 82.580 $\pm$ 0.014 χ^2 /NDF: 117806.1/21

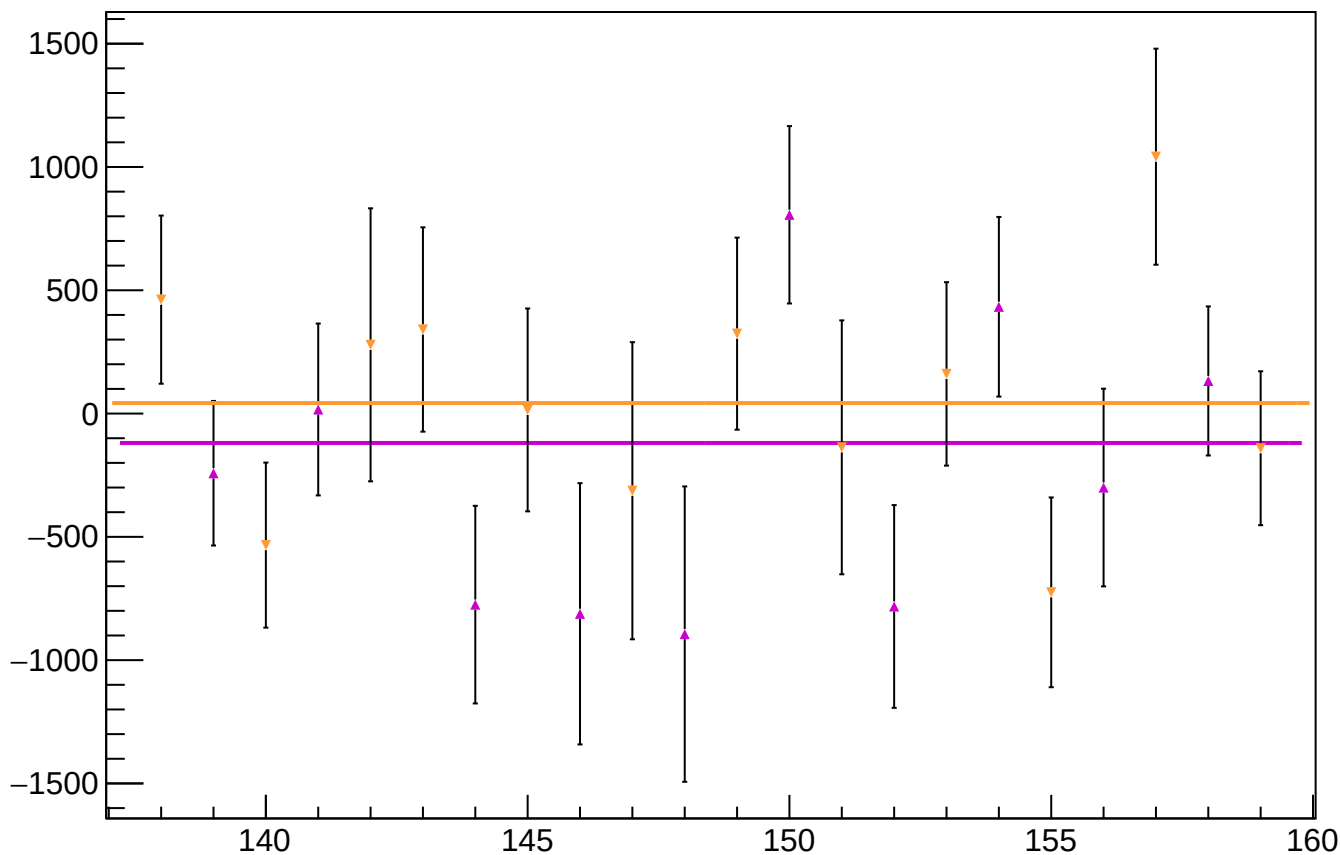
Right: 86.844 $\pm$ 0.017 χ^2 /NDF: 2639723.0/35

In: 84.288 $\pm$ 0.016 χ^2 /NDF: 1122520.7/26

Out: 84.261 $\pm$ 0.015 χ^2 /NDF: 1671283.5/30

All: 84.274 $\pm$ 0.011 χ^2 /NDF: 2793805.7/57

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: 42.651+/-115.389 χ^2/NDF :15.8/11

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

Left In: -119.244+/-118.849 χ^2/NDF :18.8/9

Left: -35.906+/-82.788 χ^2/NDF : 35.6/21

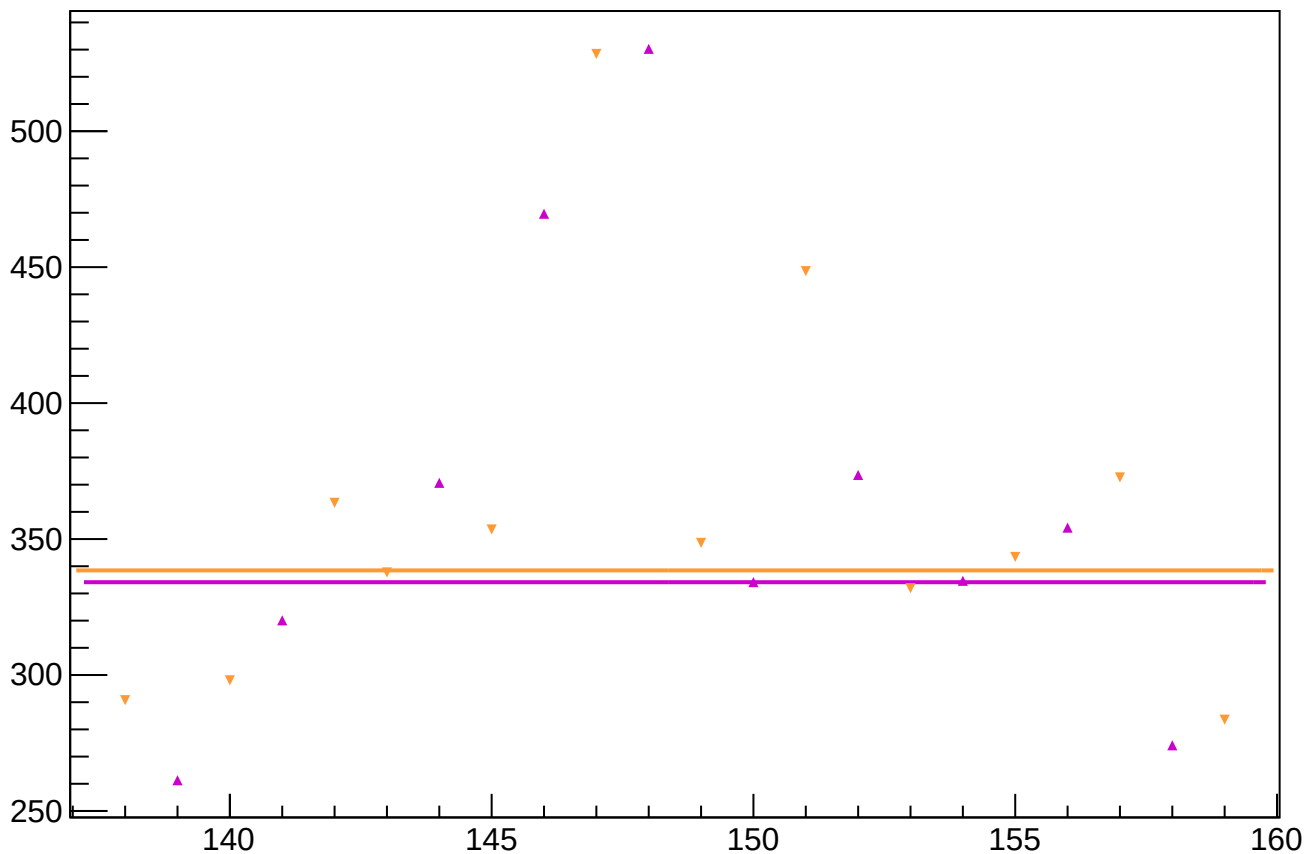
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -119.244+/-118.849 χ^2/NDF :18.8/9

Out: 42.651+/-115.389 χ^2/NDF :15.8/11

All: -35.906+/-82.788 χ^2/NDF : 35.6/21

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 338.471+/-0.082 χ^2/NDF :441649.4/11

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

Left In: 334.133+/-0.084 χ^2/NDF :590875.4/9

Left: 336.366+/-0.059 χ^2/NDF : 1033896.9/21

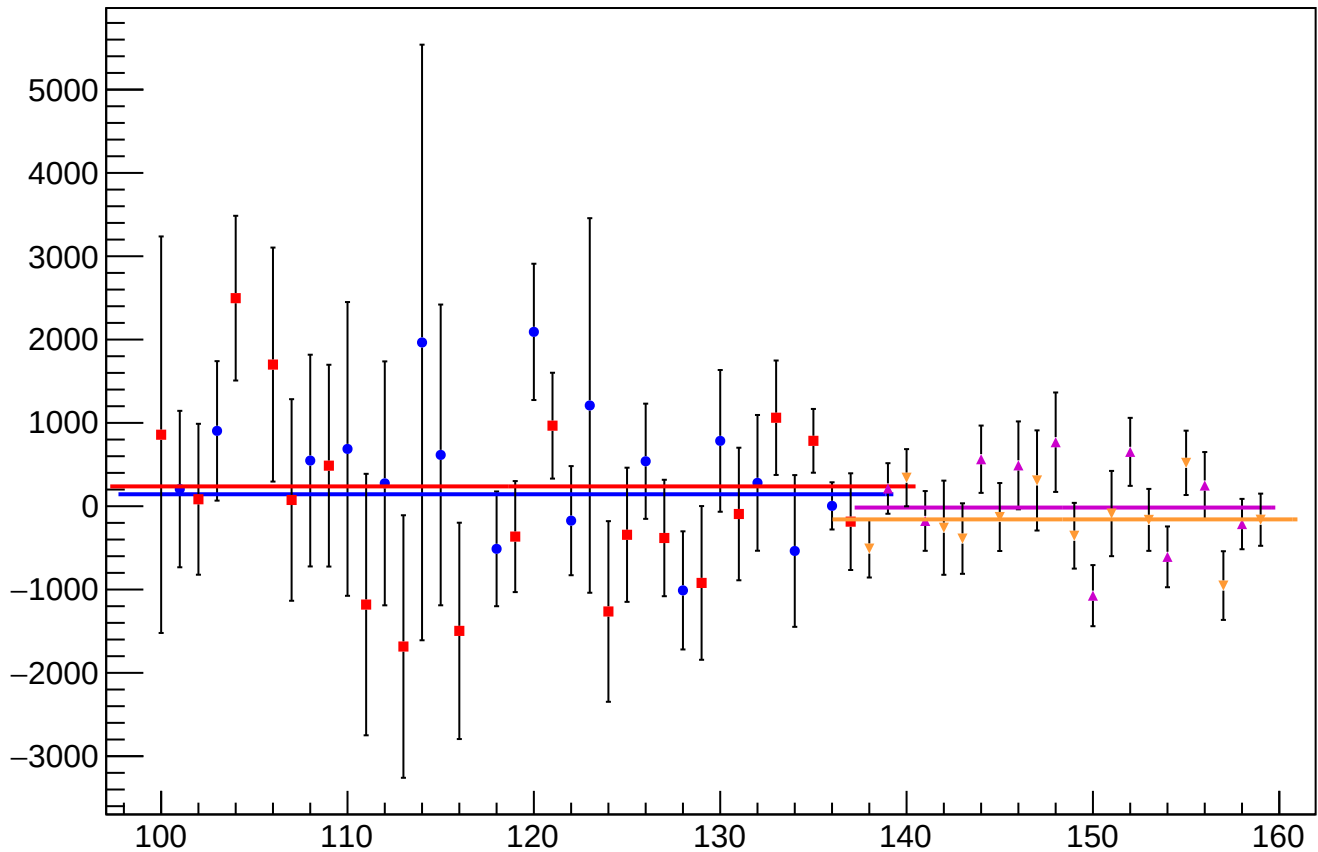
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 334.133+/-0.084 χ^2/NDF :590875.4/9

Out: 338.471+/-0.082 χ^2/NDF :441649.4/11

All: 336.366+/-0.059 χ^2/NDF : 1033896.9/21

asym_sam1_mean vs Slug, Sign Corrected



Right In: 143.486 $\pm$ 179.237 χ^2/NDF : 12.8/16

Left Out: -158.138 $\pm$ 115.806 χ^2/NDF : 11.2/11

Right Out: 237.821 $\pm$ 183.995 χ^2/NDF : 21.7/18

Left In: -16.175 $\pm$ 120.150 χ^2/NDF : 20.0/9

Left: -89.769 $\pm$ 83.381 χ^2/NDF : 31.8/21

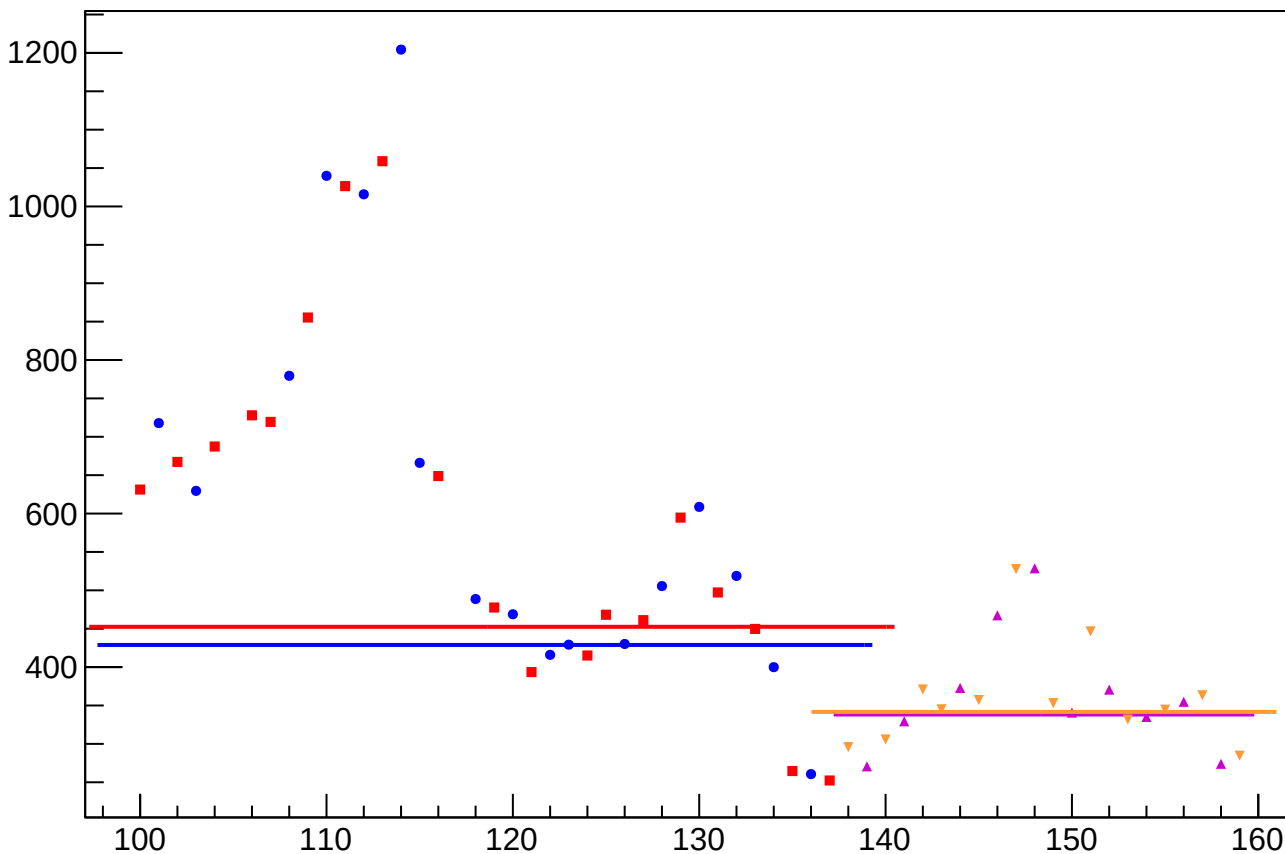
Right: 189.418 $\pm$ 128.389 χ^2/NDF : 34.6/35

In: 33.326 $\pm$ 99.801 χ^2/NDF : 33.3/26

Out: -45.789 $\pm$ 98.009 χ^2/NDF : 36.1/30

All: -6.948 $\pm$ 69.928 χ^2/NDF : 69.8/57

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.856+/-0.127 χ^2/NDF : 2012329.6/16

Left Out: 341.649+/-0.082 χ^2/NDF : 415816.6/11

Right Out: 452.517+/-0.130 χ^2/NDF : 2039238.5/18

Left In: 338.243+/-0.085 χ^2/NDF : 545028.6/9

Left: 340.009+/-0.059 χ^2/NDF : 961678.4/21

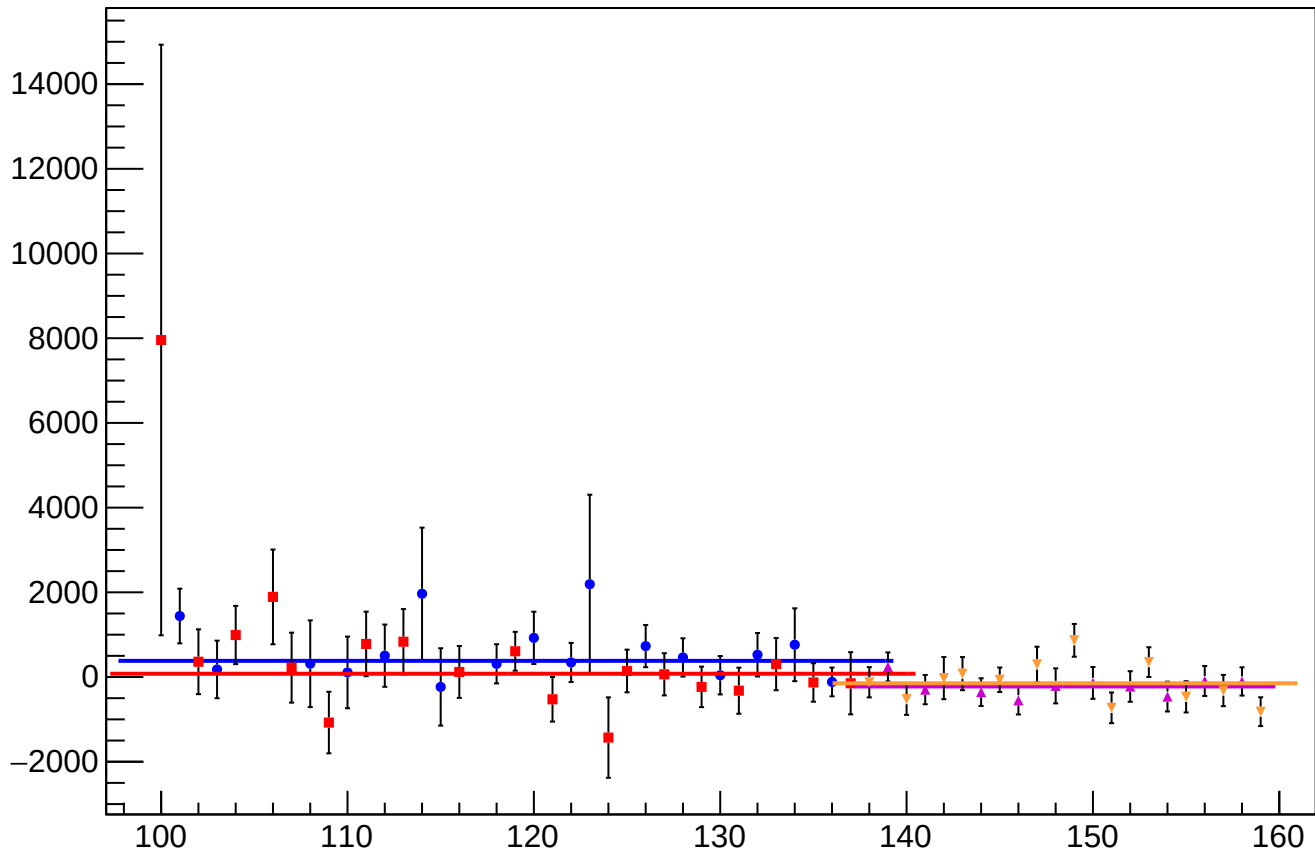
Right: 440.377+/-0.091 χ^2/NDF : 4068538.6/35

In: 366.336+/-0.071 χ^2/NDF : 2910037.5/26

Out: 373.107+/-0.069 χ^2/NDF : 2975175.8/30

All: 369.783+/-0.049 χ^2/NDF : 5889898.7/57

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 381.893 ± 141.192 χ^2/NDF : 9.4/16

Left Out: -147.758 ± 105.968 χ^2/NDF : 19.0/11

Right Out: 77.490 ± 143.469 χ^2/NDF : 16.8/18

Left In: -222.988 ± 111.209 χ^2/NDF : 3.8/9

Left: -183.559 ± 76.716 χ^2/NDF : 23.0/21

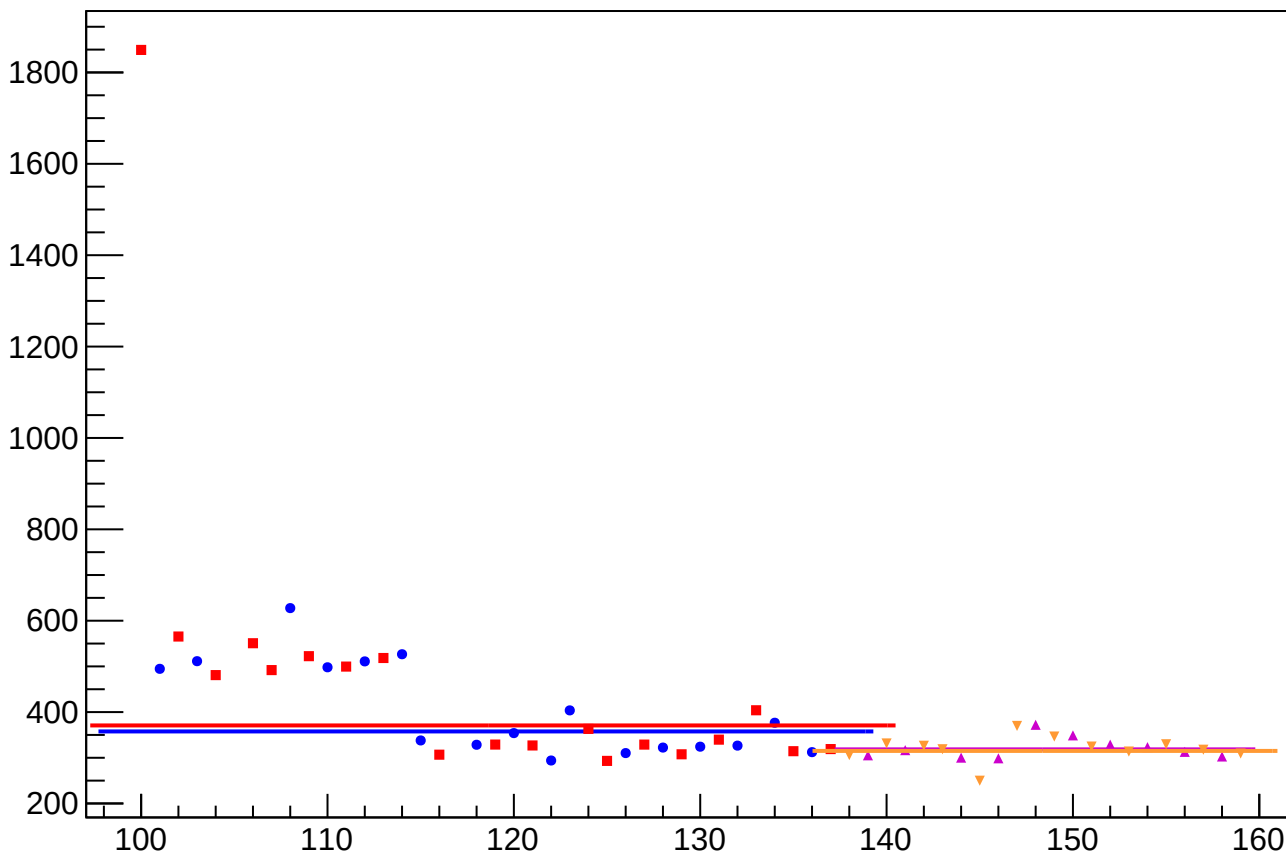
Right: 232.126 ± 100.633 χ^2/NDF : 28.5/35

In: 8.597 ± 87.364 χ^2/NDF : 24.5/26

Out: -68.250 ± 85.238 χ^2/NDF : 37.3/30

All: -30.773 ± 61.010 χ^2/NDF : 62.2/57

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 357.664 $\pm$ 0.100 χ^2 /NDF: 629671.7/16

Left Out: 315.017 $\pm$ 0.075 χ^2 /NDF: 160493.2/11

Right Out: 370.794 $\pm$ 0.101 χ^2 /NDF: 784786.3/18

Left In: 318.394 $\pm$ 0.079 χ^2 /NDF: 69856.0/9

Left: 316.624 $\pm$ 0.054 χ^2 /NDF: 231315.6/21

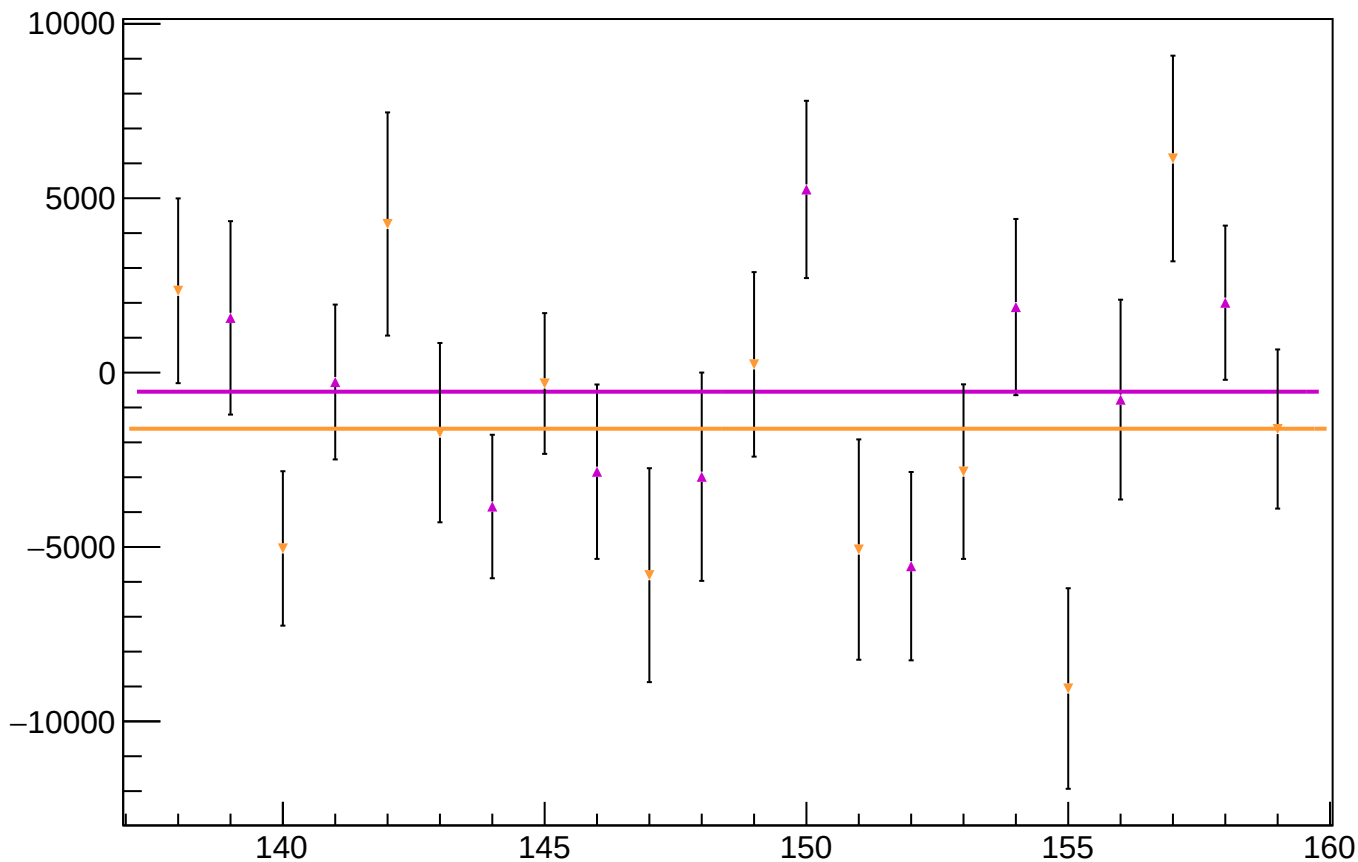
Right: 364.124 $\pm$ 0.071 χ^2 /NDF: 1422966.9/35

In: 333.429 $\pm$ 0.062 χ^2 /NDF: 795008.7/26

Out: 334.705 $\pm$ 0.060 χ^2 /NDF: 1140864.1/30

All: 334.083 $\pm$ 0.043 χ^2 /NDF: 1936091.5/57

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1608.681+/-749.900 χ^2/NDF :25.8/11

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

Left In: -547.248+/-786.519 χ^2/NDF :15.6/9

Left: -1103.248+/-542.743 χ^2/NDF : 42.4/21

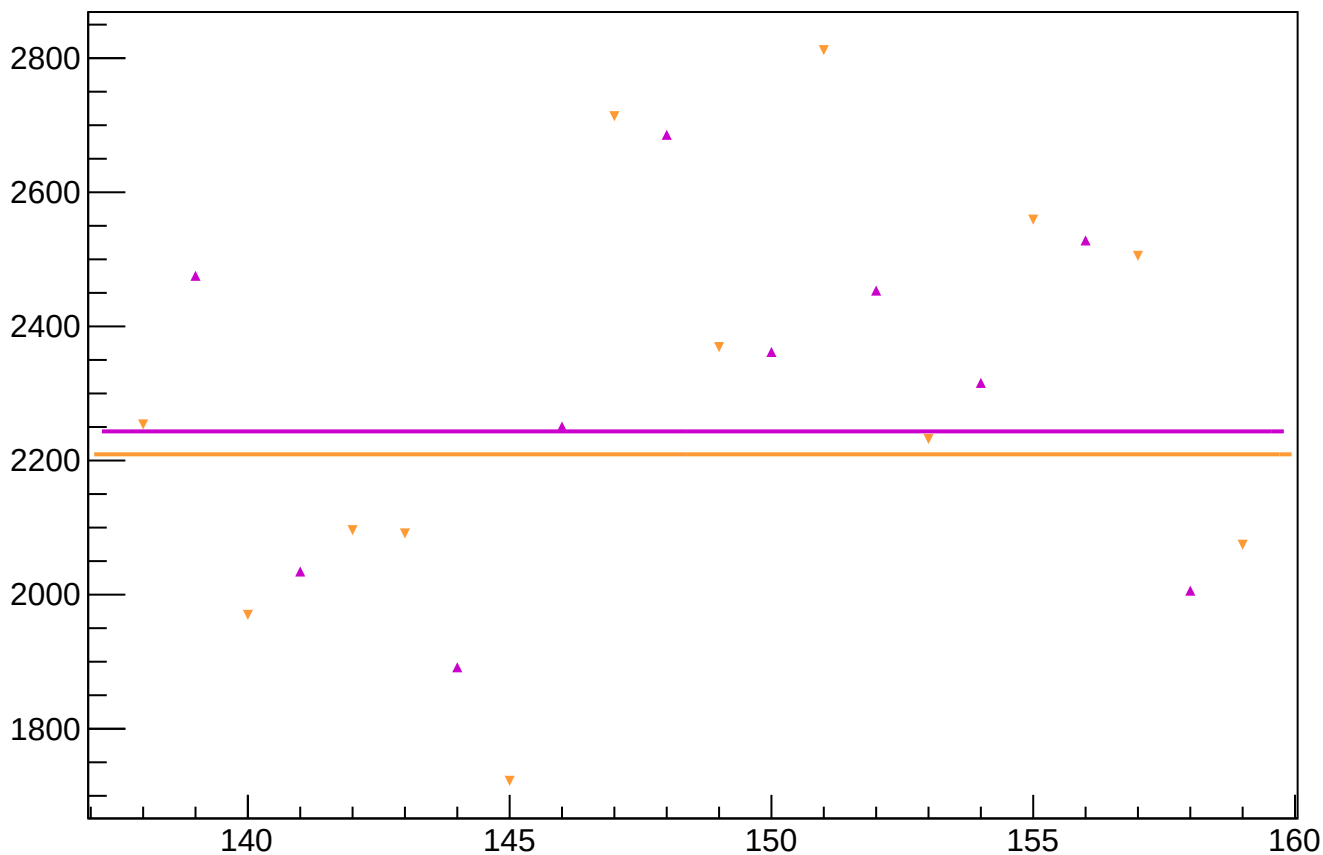
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -547.248+/-786.519 χ^2/NDF :15.6/9

Out: -1608.681+/-749.900 χ^2/NDF :25.8/11

All: -1103.248+/-542.743 χ^2/NDF : 42.4/21

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2209.248+/-0.530 χ^2/NDF :338190.7/11

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

Left In: 2243.456+/-0.556 χ^2/NDF :194991.2/9

Left: 2225.537+/-0.384 χ^2/NDF : 535163.7/21

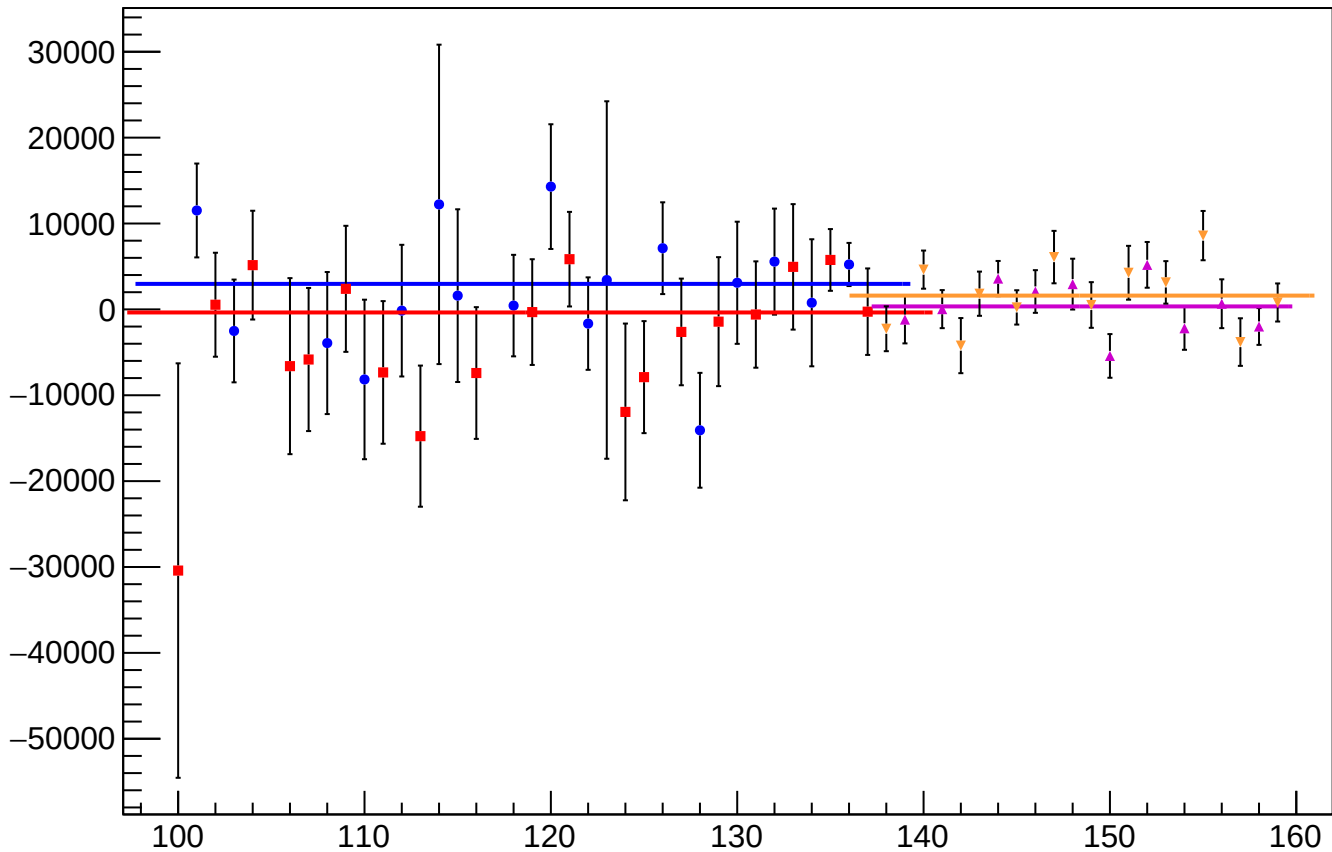
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2243.456+/-0.556 χ^2/NDF :194991.2/9

Out: 2209.248+/-0.530 χ^2/NDF :338190.7/11

All: 2225.537+/-0.384 χ^2/NDF : 535163.7/21

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2969.125+/-1440.489 χ^2/NDF : 17.4/16

Left Out: 1604.695+/-741.984 χ^2/NDF : 21.1/11

Right Out: -358.685+/-1507.064 χ^2/NDF : 15.3/18

Left In: 345.191+/-779.866 χ^2/NDF : 14.8/9

Left: 1006.275+/-537.555 χ^2/NDF : 37.2/21

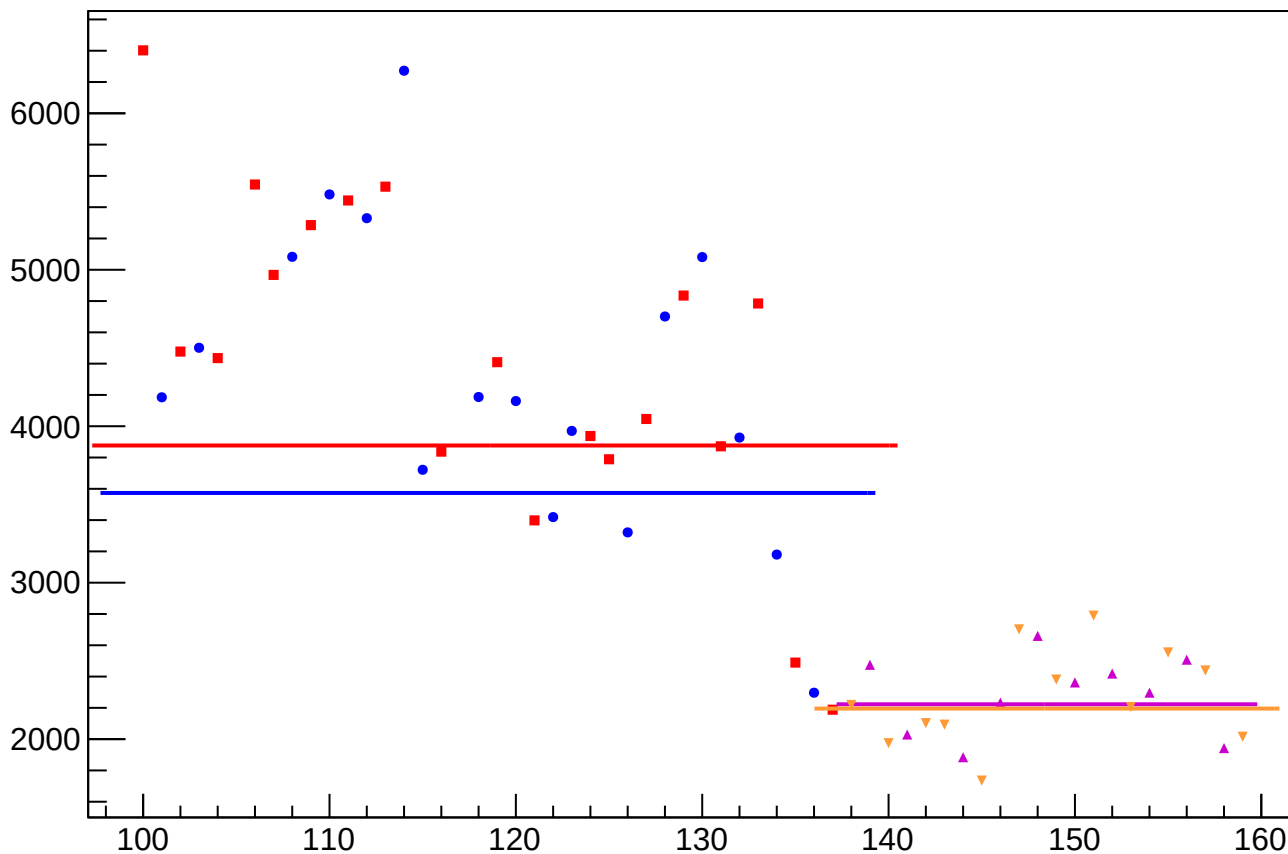
Right: 1380.346+/-1041.320 χ^2/NDF : 35.3/35

In: 939.948+/-685.809 χ^2/NDF : 34.7/26

Out: 1221.633+/-665.679 χ^2/NDF : 37.8/30

All: 1084.985+/-477.664 χ^2/NDF : 72.6/57

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3573.470 $\pm$ 1.019 χ^2 /NDF: 1088731.5/16

Left Out: 2195.455 $\pm$ 0.525 χ^2 /NDF: 327370.6/11

Right Out: 3876.914 $\pm$ 1.066 χ^2 /NDF: 988409.8/18

Left In: 2222.804 $\pm$ 0.551 χ^2 /NDF: 202803.7/9

Left: 2208.449 $\pm$ 0.380 χ^2 /NDF: 531465.3/21

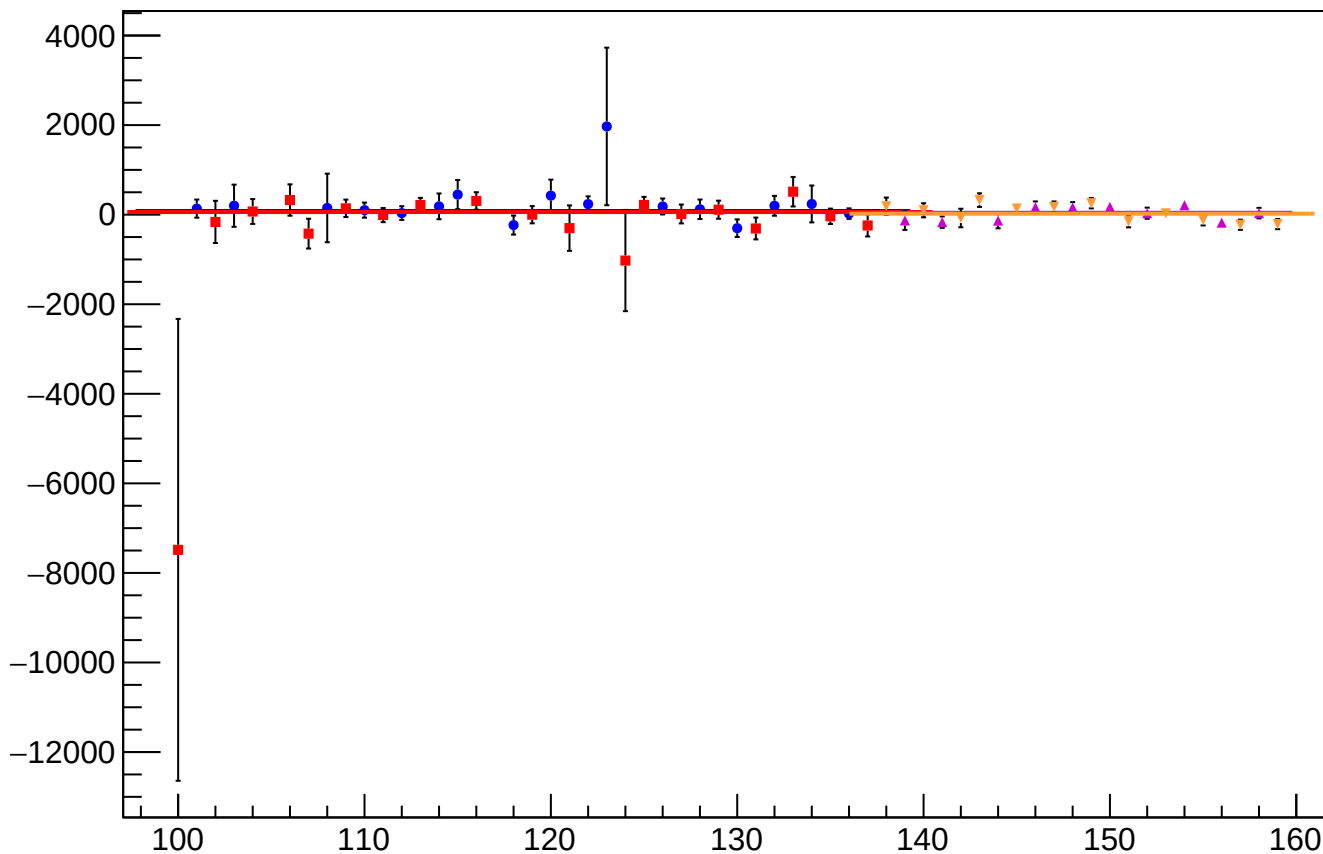
Right: 3718.342 $\pm$ 0.736 χ^2 /NDF: 2119512.7/35

In: 2528.954 $\pm$ 0.485 χ^2 /NDF: 2651328.3/26

Out: 2523.514 $\pm$ 0.471 χ^2 /NDF: 3319693.2/30

All: 2526.153 $\pm$ 0.338 χ^2 /NDF: 5971086.3/57

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 81.851 ± 51.907 χ^2/NDF : 11.5/16

Left Out: 21.855 ± 37.392 χ^2/NDF : 23.6/11

Right Out: 59.008 ± 53.165 χ^2/NDF : 16.4/18

Left In: 41.663 ± 39.505 χ^2/NDF : 14.2/9

Left: 31.215 ± 27.157 χ^2/NDF : 37.9/21

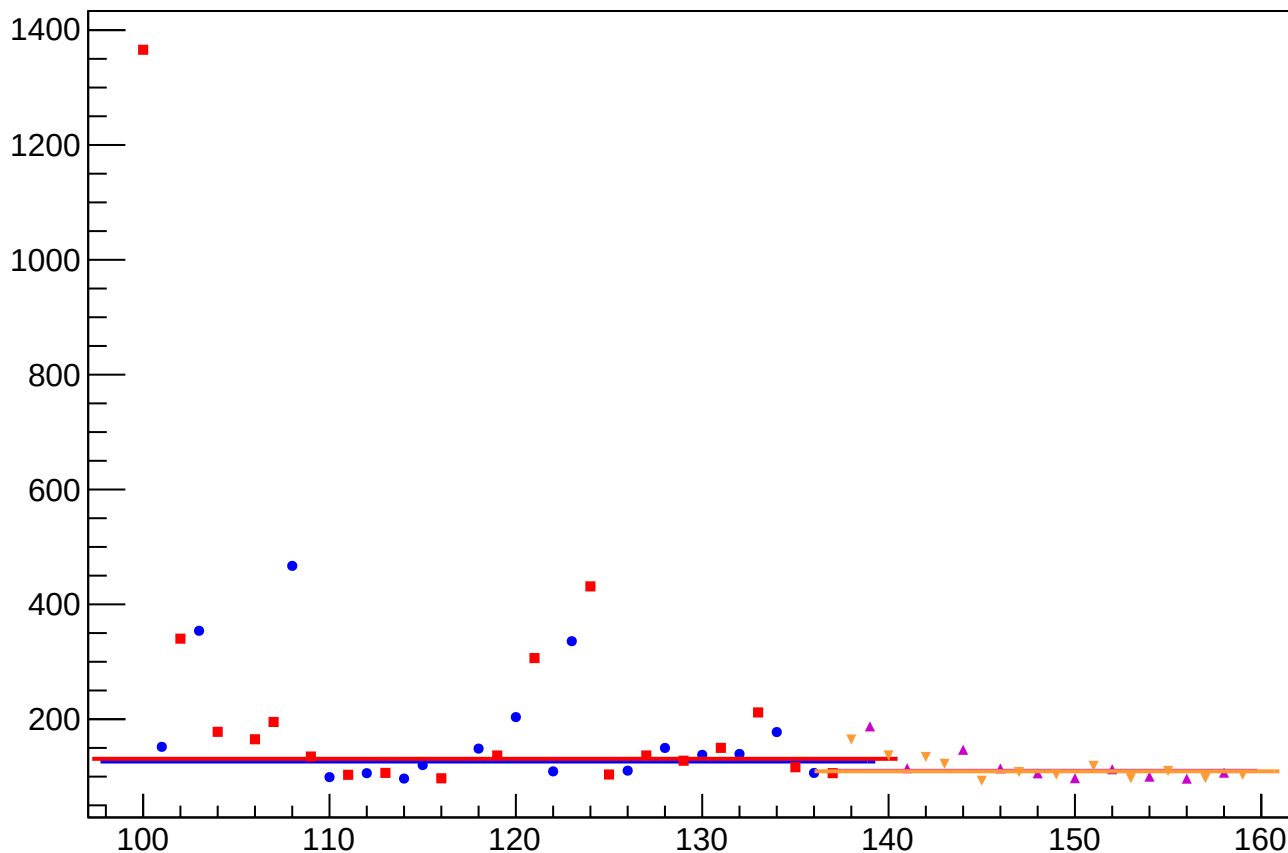
Right: 70.703 ± 37.141 χ^2/NDF : 28.1/35

In: 56.403 ± 31.436 χ^2/NDF : 26.1/26

Out: 34.151 ± 30.585 χ^2/NDF : 40.3/30

All: 44.972 ± 21.922 χ^2/NDF : 66.7/57

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 126.339+/-0.037 χ^2/NDF : 1310585.0/16

Left Out: 109.269+/-0.026 χ^2/NDF : 379919.9/11

Right Out: 131.007+/-0.038 χ^2/NDF : 1429260.8/18

Left In: 110.069+/-0.028 χ^2/NDF : 445071.2/9

Left: 109.647+/-0.019 χ^2/NDF : 825424.1/21

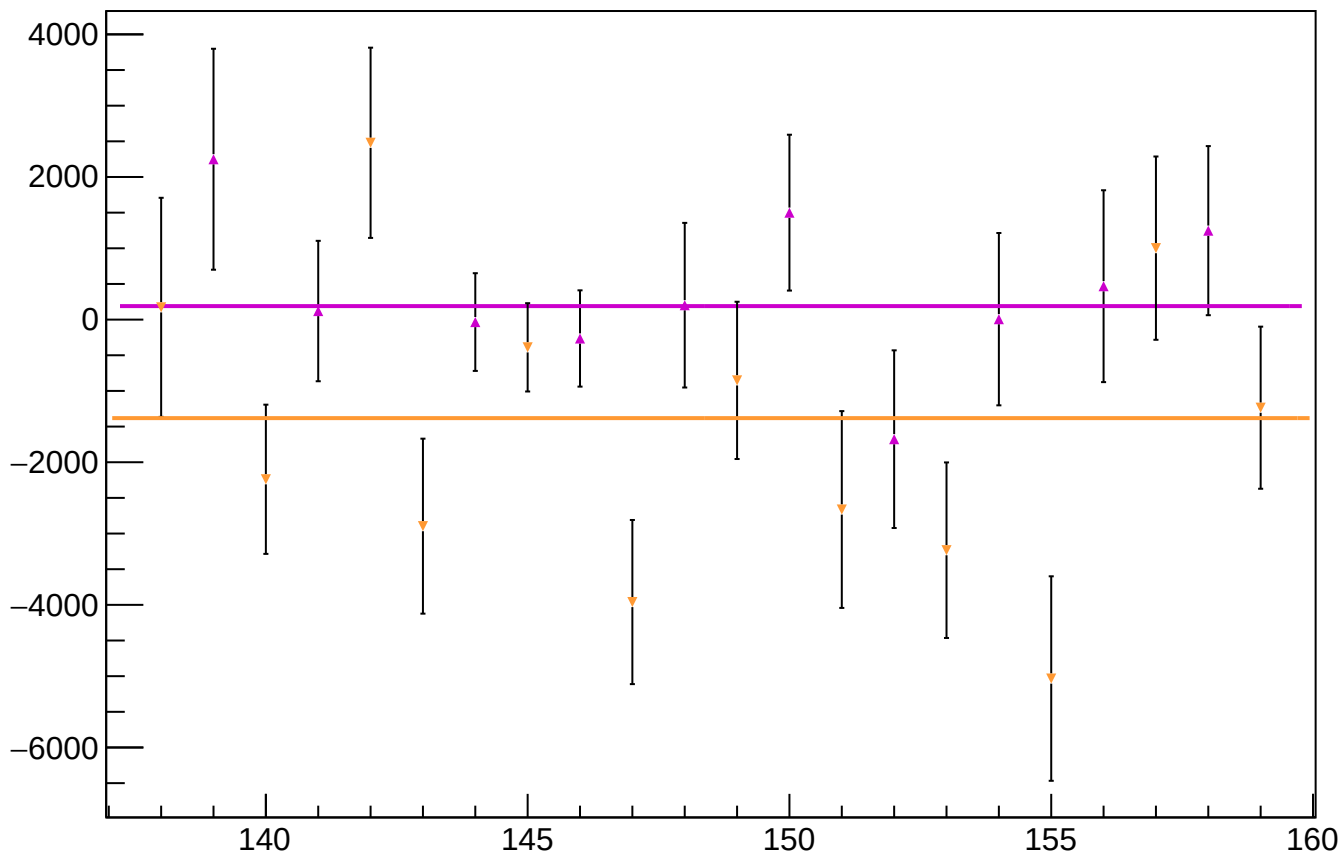
Right: 128.617+/-0.026 χ^2/NDF : 2747739.0/35

In: 116.037+/-0.022 χ^2/NDF : 1880082.3/26

Out: 116.463+/-0.022 χ^2/NDF : 2032888.5/30

All: 116.256+/-0.016 χ^2/NDF : 3913159.9/57

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1381.365 $\pm$ 319.414 χ^2 /NDF:32.5/11

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

Left In: 189.427 $\pm$ 316.961 χ^2 /NDF:6.9/9

Left: -589.915 $\pm$ 224.987 χ^2 /NDF: 51.6/21

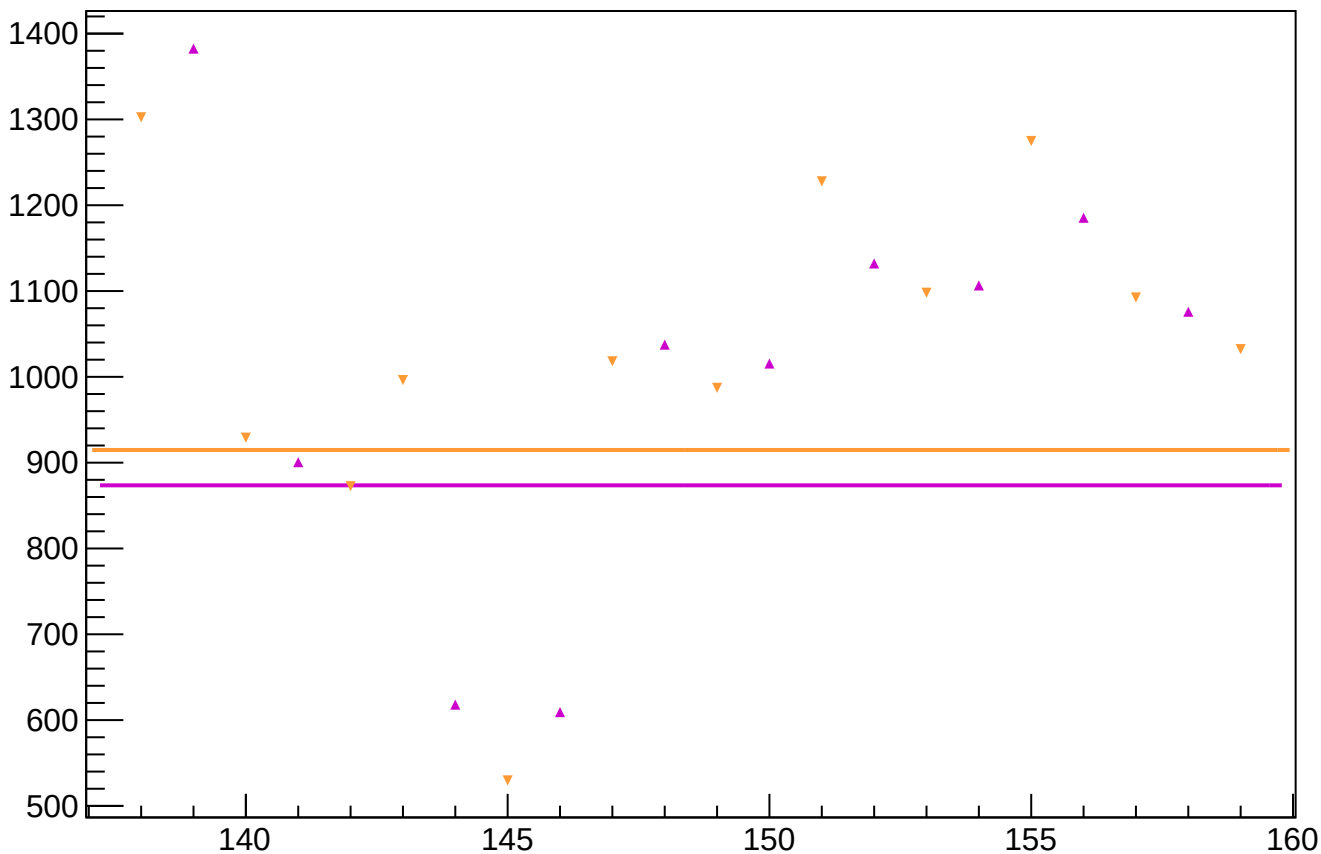
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 189.427 $\pm$ 316.961 χ^2 /NDF:6.9/9

Out: -1381.365 $\pm$ 319.414 χ^2 /NDF:32.5/11

All: -589.915 $\pm$ 224.987 χ^2 /NDF: 51.6/21

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 914.775+/-0.226 χ^2/NDF :1270165.7/11

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

Left In: 873.583+/-0.224 χ^2/NDF :1202373.4/9

Left: 894.020+/-0.159 χ^2/NDF : 2489297.7/21

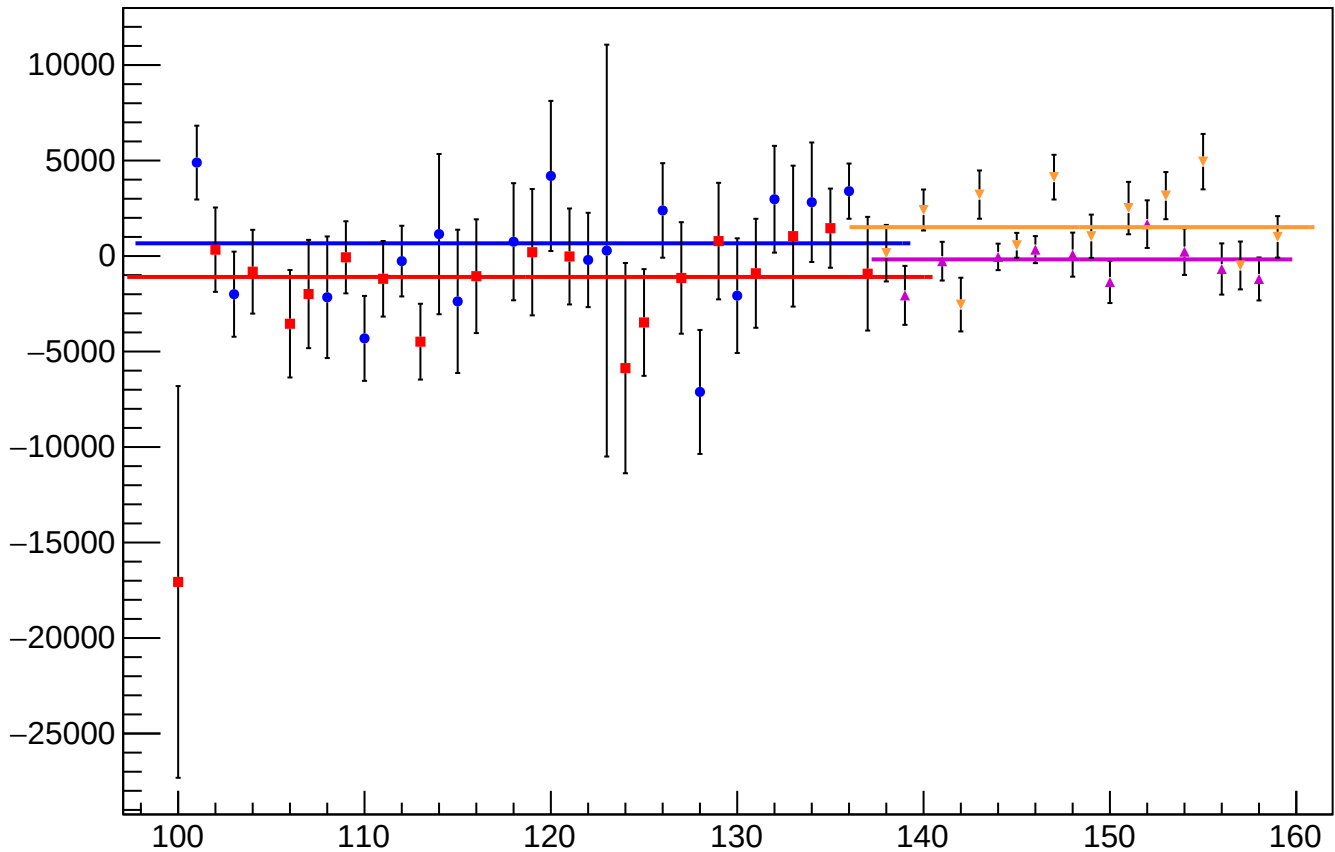
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 873.583+/-0.224 χ^2/NDF :1202373.4/9

Out: 914.775+/-0.226 χ^2/NDF :1270165.7/11

All: 894.020+/-0.159 χ^2/NDF : 2489297.7/21

asym_sam3_mean vs Slug, Sign Corrected



Right In: 666.453 $\pm$ 618.839 χ^2/NDF : 25.6/16

Left Out: 1513.006 $\pm$ 324.735 χ^2/NDF : 29.7/11

Right Out: -1094.278 $\pm$ 602.639 χ^2/NDF : 11.0/18

Left In: -175.058 $\pm$ 320.998 χ^2/NDF : 6.5/9

Left: 659.203 $\pm$ 228.290 χ^2/NDF : 49.9/21

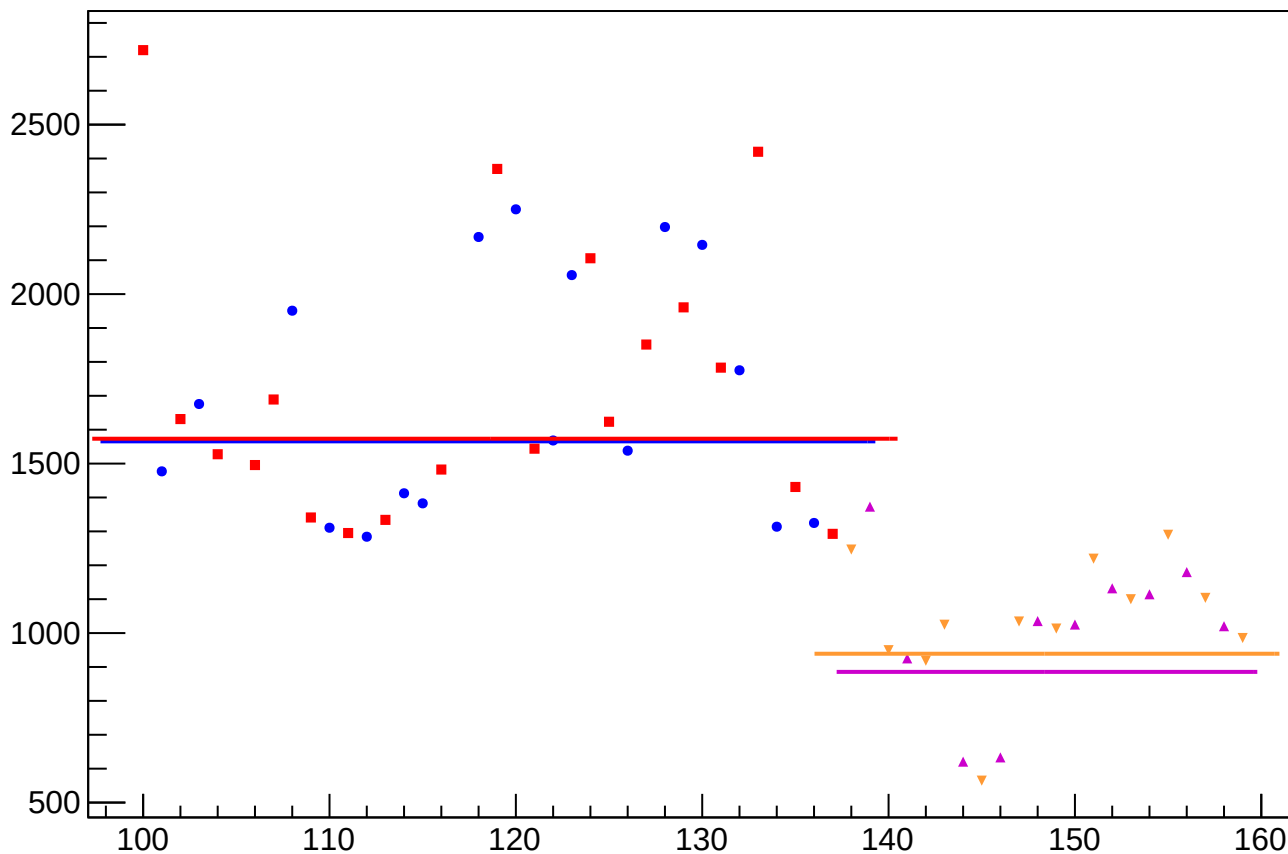
Right: -237.260 $\pm$ 431.744 χ^2/NDF : 40.8/35

In: 3.354 $\pm$ 284.945 χ^2/NDF : 33.6/26

Out: 926.300 $\pm$ 285.873 χ^2/NDF : 55.2/30

All: 463.326 $\pm$ 201.814 χ^2/NDF : 94.0/57

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1565.623 ± 0.438 $\chi^2/\text{NDF}: 490790.2/16$

Left Out: 939.051 ± 0.230 $\chi^2/\text{NDF}: 1053948.7/11$

Right Out: 1573.366 ± 0.426 $\chi^2/\text{NDF}: 462040.3/18$

Left In: 885.510 ± 0.227 $\chi^2/\text{NDF}: 1088062.1/9$

Left: 911.970 ± 0.161 $\chi^2/\text{NDF}: 2169509.8/21$

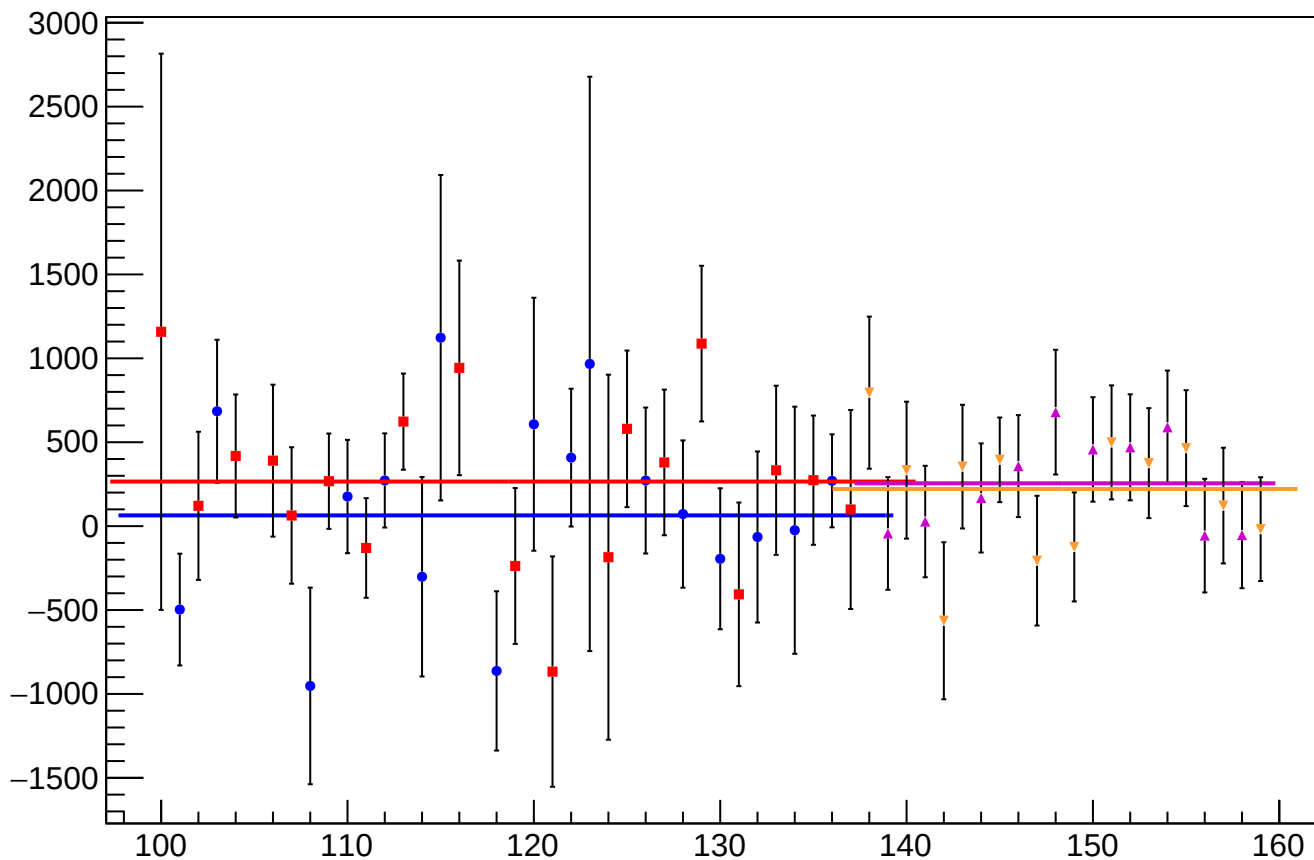
Right: 1569.597 ± 0.305 $\chi^2/\text{NDF}: 952991.2/35$

In: 1029.704 ± 0.201 $\chi^2/\text{NDF}: 3482359.9/26$

Out: 1081.788 ± 0.202 $\chi^2/\text{NDF}: 3233153.5/30$

All: 1055.661 ± 0.143 $\chi^2/\text{NDF}: 6748816.0/57$

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 64.087 ± 105.336 χ^2/NDF : 16.8/16

Left Out: 221.475 ± 100.034 χ^2/NDF : 9.5/11

Right Out: 265.661 ± 99.379 χ^2/NDF : 14.7/18

Left In: 255.167 ± 103.546 χ^2/NDF : 6.4/9

Left: 237.740 ± 71.944 χ^2/NDF : 16.0/21

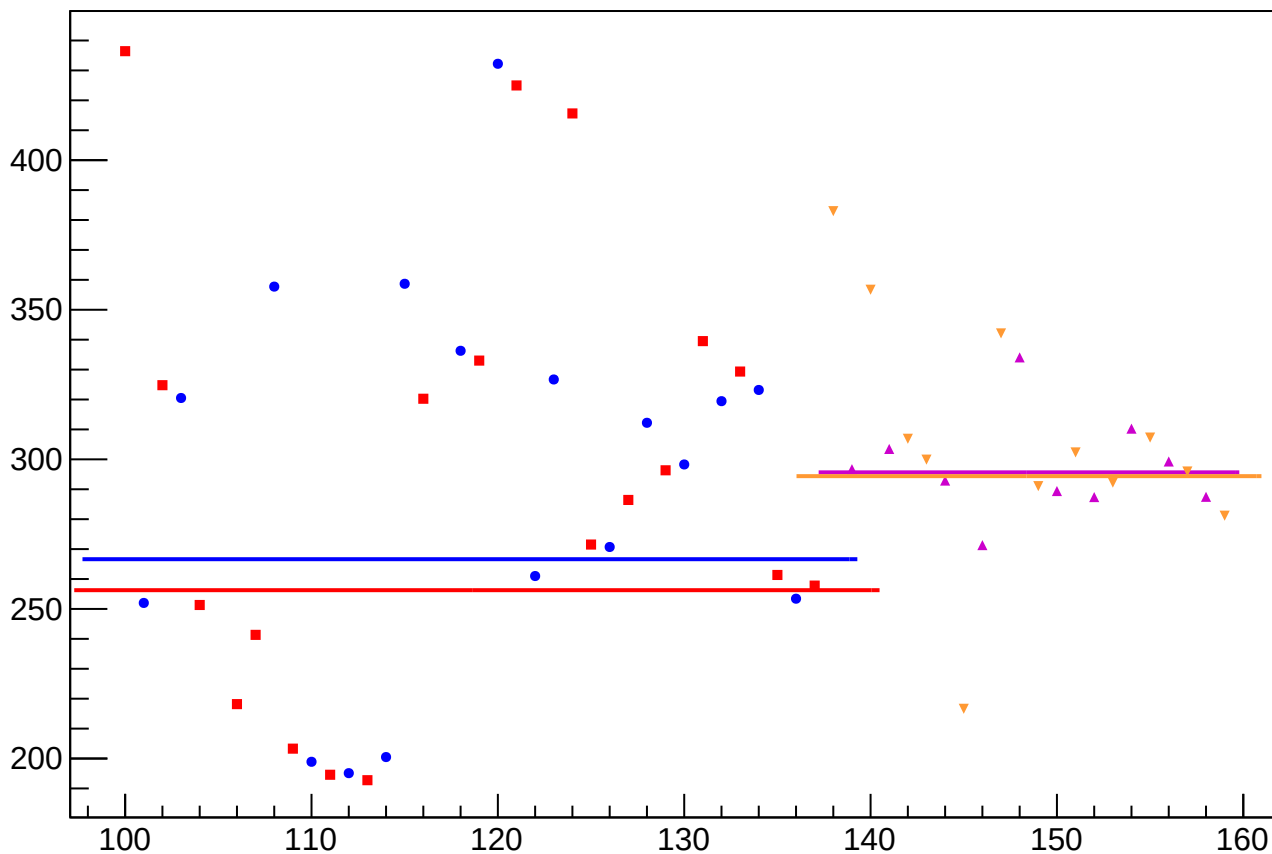
Right: 170.735 ± 72.286 χ^2/NDF : 33.4/35

In: 161.265 ± 73.843 χ^2/NDF : 24.8/26

Out: 243.713 ± 70.502 χ^2/NDF : 24.3/30

All: 204.396 ± 50.993 χ^2/NDF : 49.8/57

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 266.624+/-0.074 χ^2/NDF : 550752.5/16

Left Out: 294.383+/-0.071 χ^2/NDF : 353374.5/11

Right Out: 256.268+/-0.070 χ^2/NDF : 696896.2/18

Left In: 295.653+/-0.073 χ^2/NDF : 42960.4/9

Left: 294.996+/-0.051 χ^2/NDF : 396490.5/21

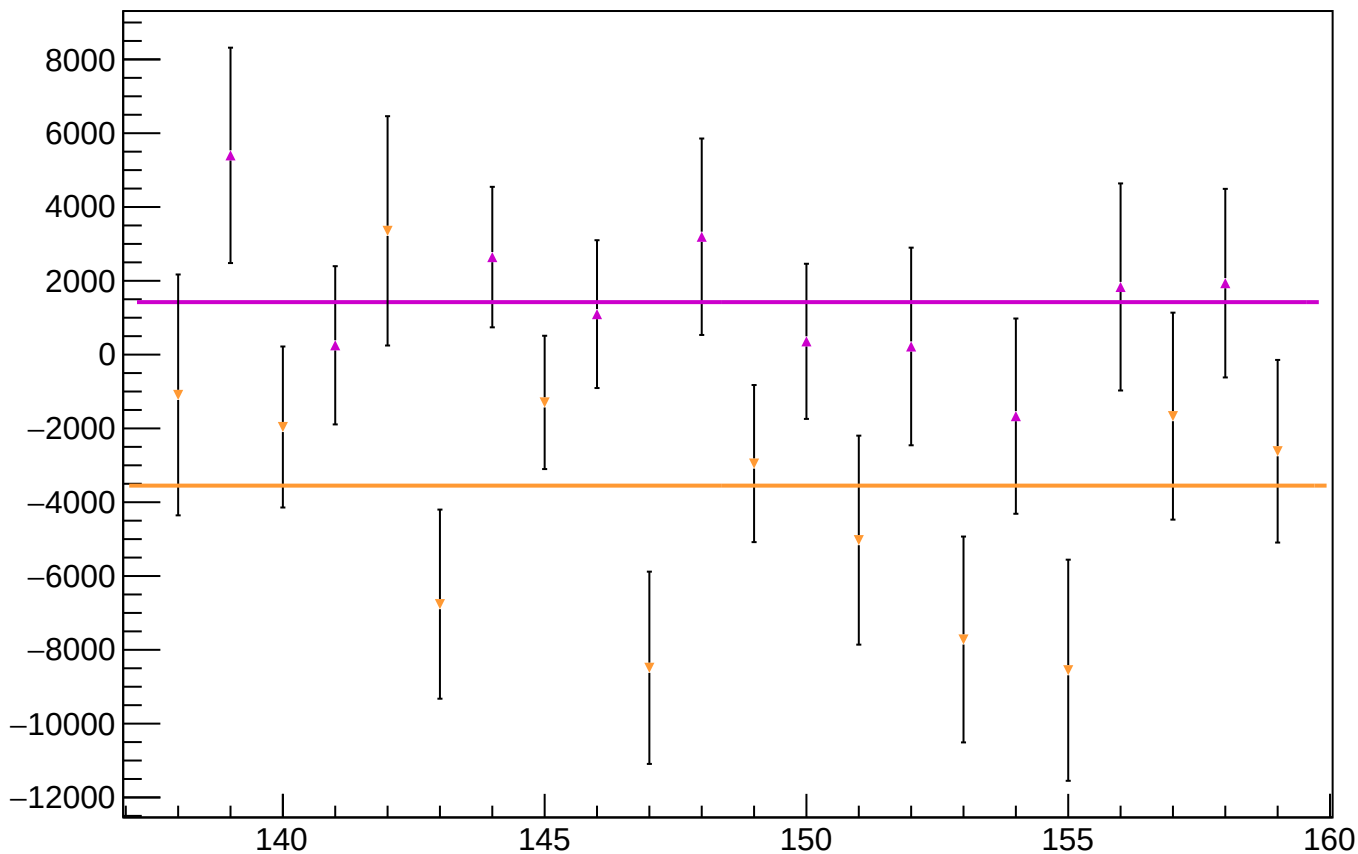
Right: 261.145+/-0.051 χ^2/NDF : 1257876.6/35

In: 281.387+/-0.052 χ^2/NDF : 670958.5/26

Out: 275.201+/-0.050 χ^2/NDF : 1196398.6/30

All: 278.151+/-0.036 χ^2/NDF : 1874701.7/57

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -3550.034+/-727.490 χ^2/NDF :18.7/11

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

Left In: 1422.315+/-747.431 χ^2/NDF :4.9/9

Left: -1131.072+/-521.320 χ^2/NDF : 46.4/21

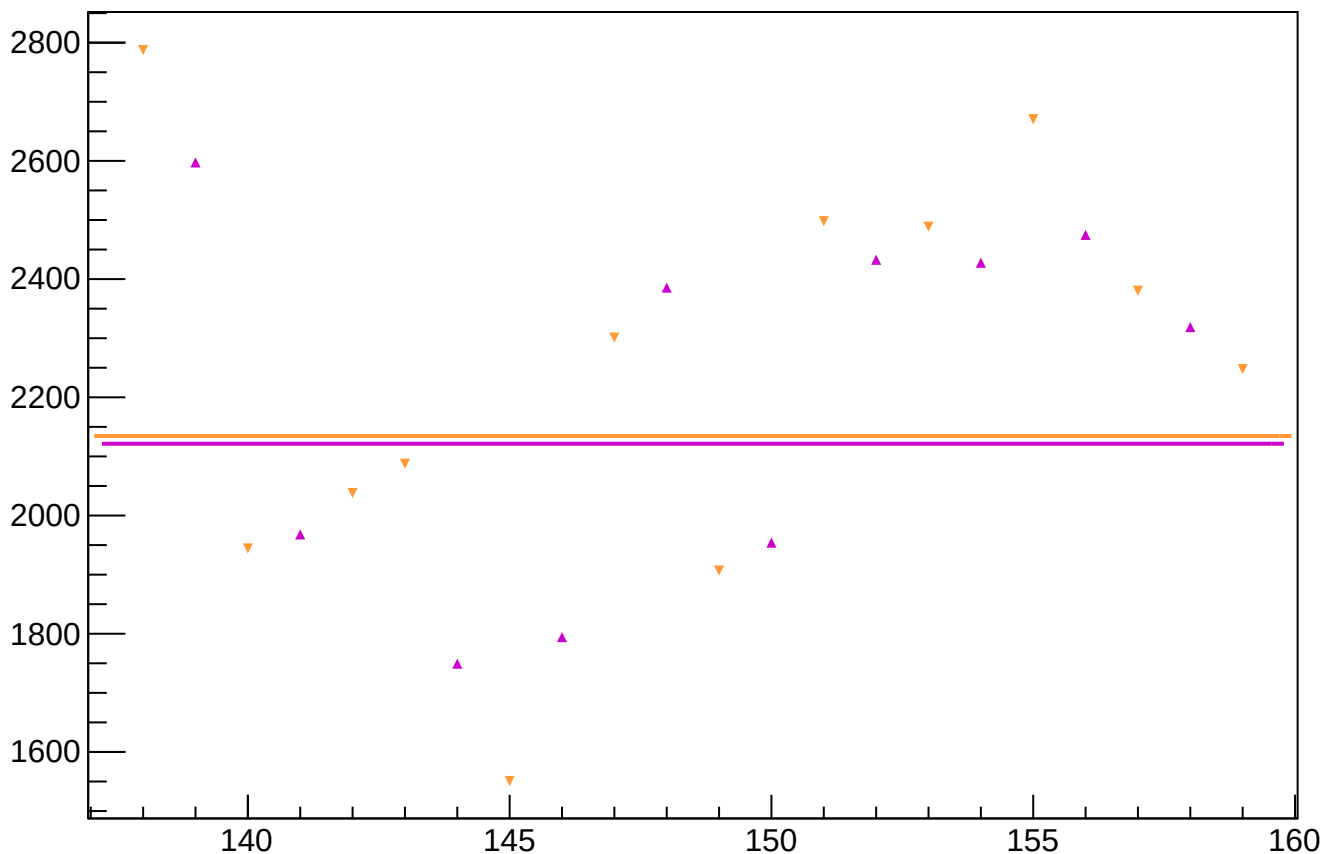
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1422.315+/-747.431 χ^2/NDF :4.9/9

Out: -3550.034+/-727.490 χ^2/NDF :18.7/11

All: -1131.072+/-521.320 χ^2/NDF : 46.4/21

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2134.465+/-0.514 χ^2/NDF :486522.5/11

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

Left In: 2121.470+/-0.529 χ^2/NDF :323024.4/9

Left: 2128.143+/-0.369 χ^2/NDF : 809857.3/21

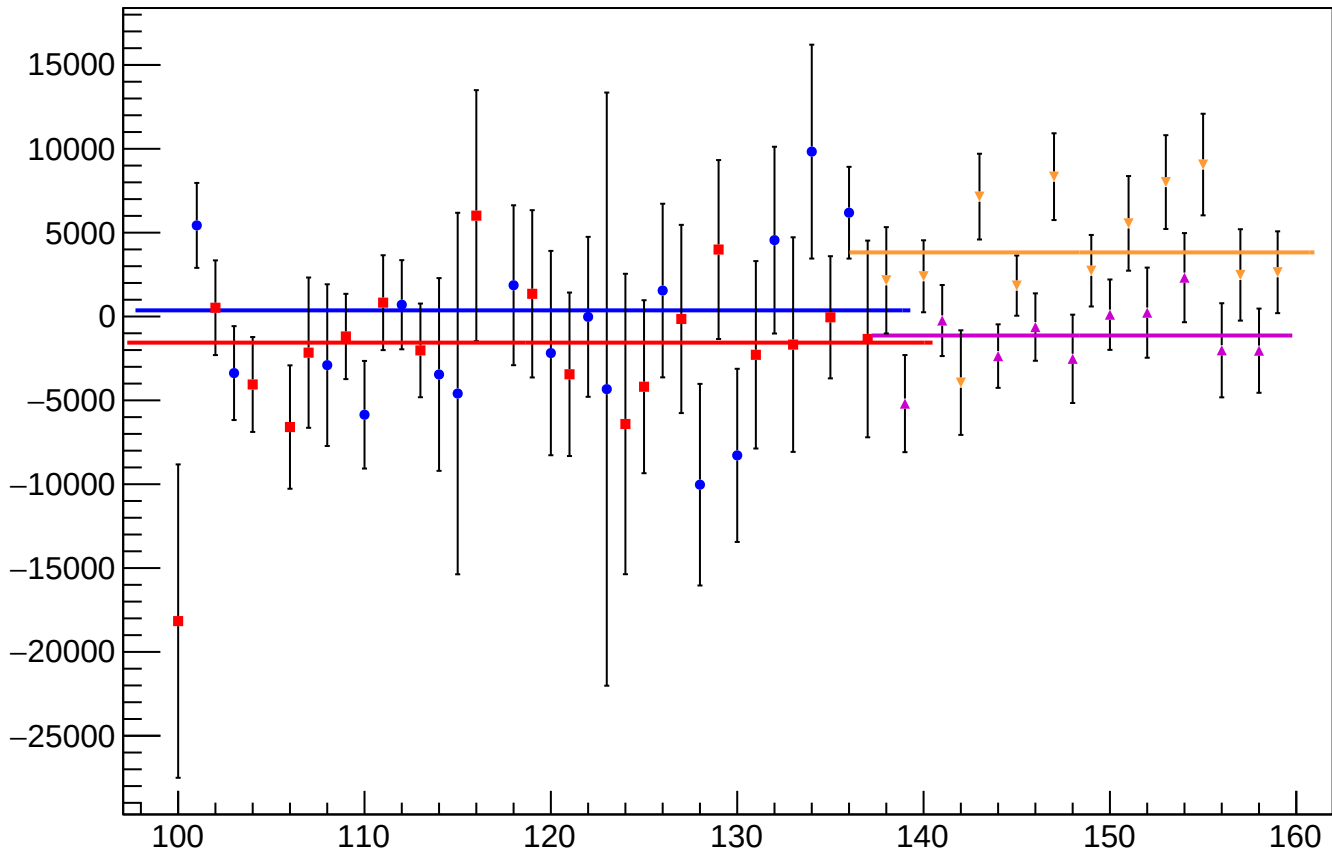
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2121.470+/-0.529 χ^2/NDF :323024.4/9

Out: 2134.465+/-0.514 χ^2/NDF :486522.5/11

All: 2128.143+/-0.369 χ^2/NDF : 809857.3/21

asym_sam4_mean vs Slug, Sign Corrected



Right In: 366.454 ± 992.480 $\chi^2/\text{NDF}: 24.2/16$

Left Out: 3823.095 ± 722.231 $\chi^2/\text{NDF}: 19.2/11$

Right Out: -1557.388 ± 924.003 $\chi^2/\text{NDF}: 10.5/18$

Left In: -1133.106 ± 744.240 $\chi^2/\text{NDF}: 5.4/9$

Left: 1419.361 ± 518.301 $\chi^2/\text{NDF}: 47.5/21$

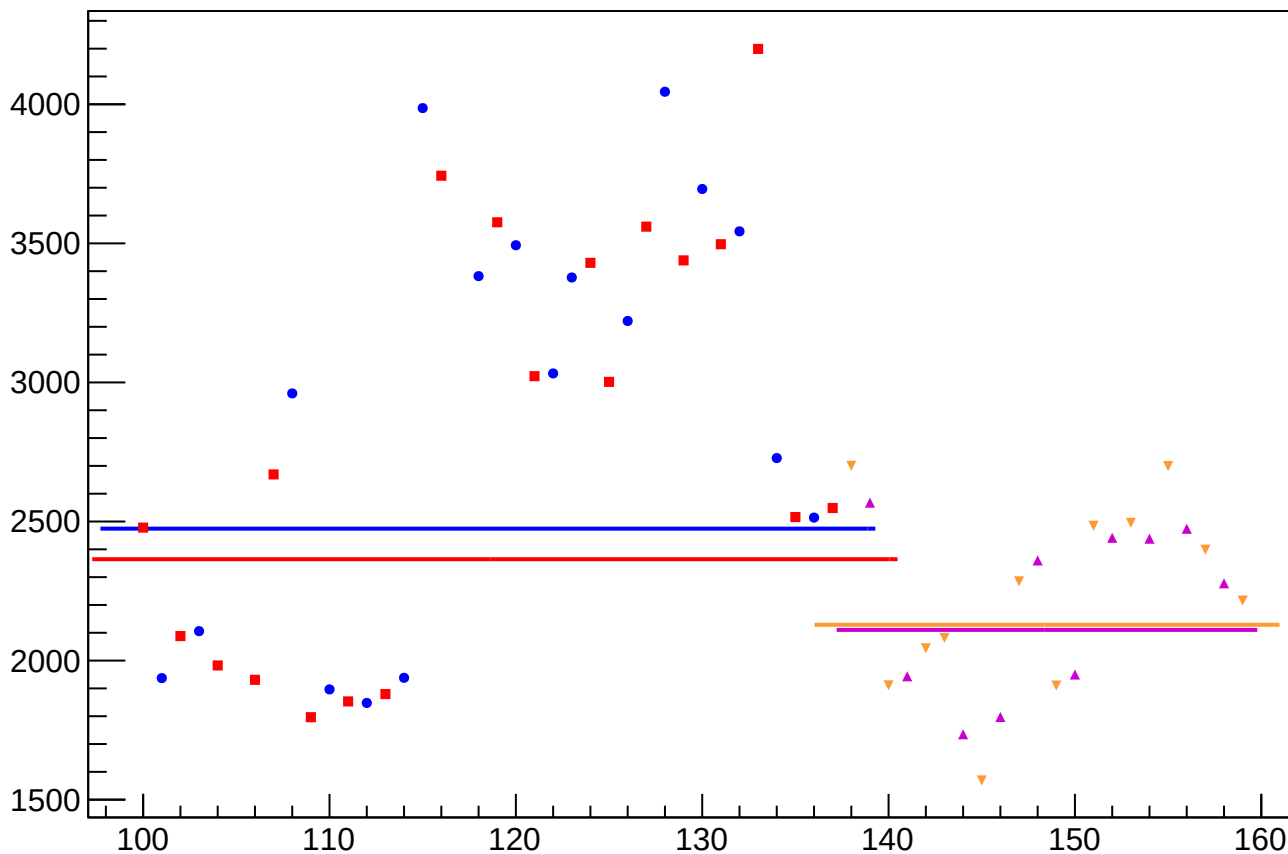
Right: -664.120 ± 676.282 $\chi^2/\text{NDF}: 36.7/35$

In: -593.376 ± 595.427 $\chi^2/\text{NDF}: 31.1/26$

Out: 1782.555 ± 569.030 $\chi^2/\text{NDF}: 50.8/30$

All: 648.422 ± 411.380 $\chi^2/\text{NDF}: 90.2/57$

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2474.389 $\pm$ 0.702 χ^2 /NDF: 906262.1/16

Left Out: 2128.747 $\pm$ 0.511 χ^2 /NDF: 469737.7/11

Right Out: 2364.507 $\pm$ 0.653 χ^2 /NDF: 1023402.8/18

Left In: 2110.340 $\pm$ 0.526 χ^2 /NDF: 322350.7/9

Left: 2119.819 $\pm$ 0.366 χ^2 /NDF: 792718.4/21

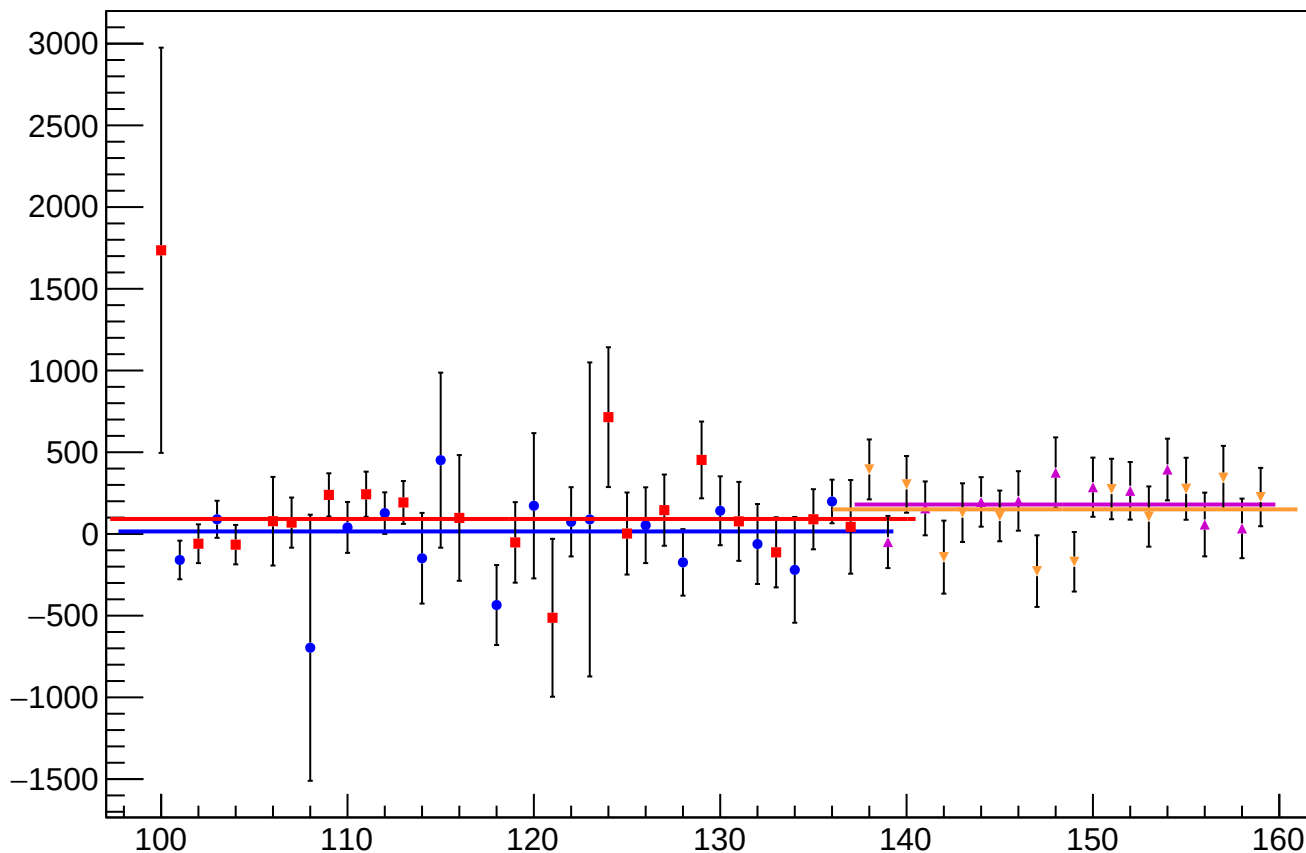
Right: 2415.527 $\pm$ 0.478 χ^2 /NDF: 1942797.3/35

In: 2241.370 $\pm$ 0.421 χ^2 /NDF: 1400853.8/26

Out: 2218.158 $\pm$ 0.402 χ^2 /NDF: 1573965.2/30

All: 2229.238 $\pm$ 0.291 χ^2 /NDF: 2976407.6/57

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 15.303+/-46.443 χ^2/NDF : 12.6/16

Left Out: 150.384+/-53.403 χ^2/NDF : 12.5/11

Right Out: 91.634+/-43.318 χ^2/NDF : 15.7/18

Left In: 180.054+/-56.037 χ^2/NDF : 5.8/9

Left: 164.505+/-38.659 χ^2/NDF : 18.5/21

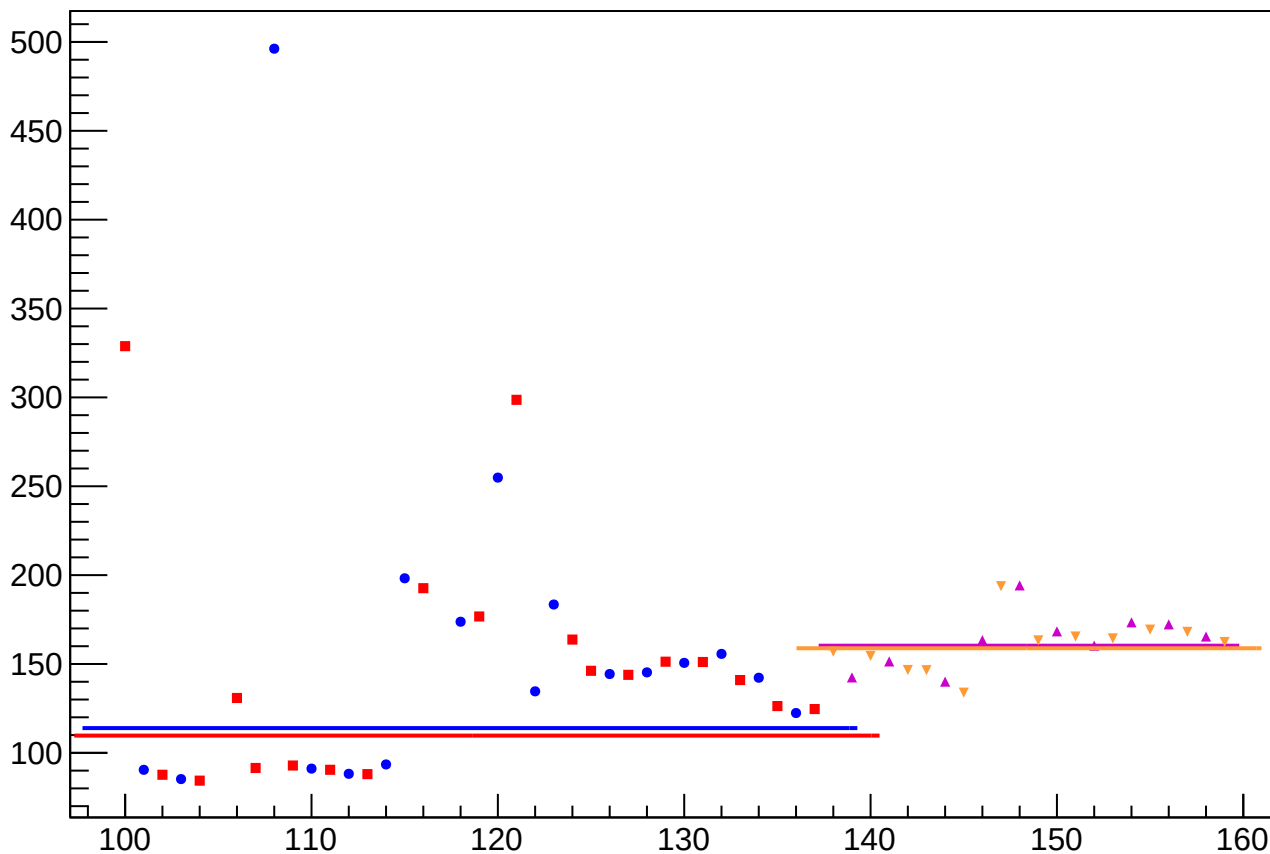
Right: 56.123+/-31.678 χ^2/NDF : 29.7/35

In: 82.389+/-35.758 χ^2/NDF : 23.5/26

Out: 114.949+/-33.642 χ^2/NDF : 28.9/30

All: 99.661+/-24.503 χ^2/NDF : 52.9/57

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.932 $\pm$ 0.033 χ^2/NDF : 1407849.3/16

Left Out: 158.845 $\pm$ 0.038 χ^2/NDF :136502.8/11

Right Out: 109.709 $\pm$ 0.031 χ^2/NDF : 1242014.6/18

Left In: 160.295 $\pm$ 0.040 χ^2/NDF :139256.2/9

Left: 159.535 $\pm$ 0.027 χ^2/NDF : 276460.7/21

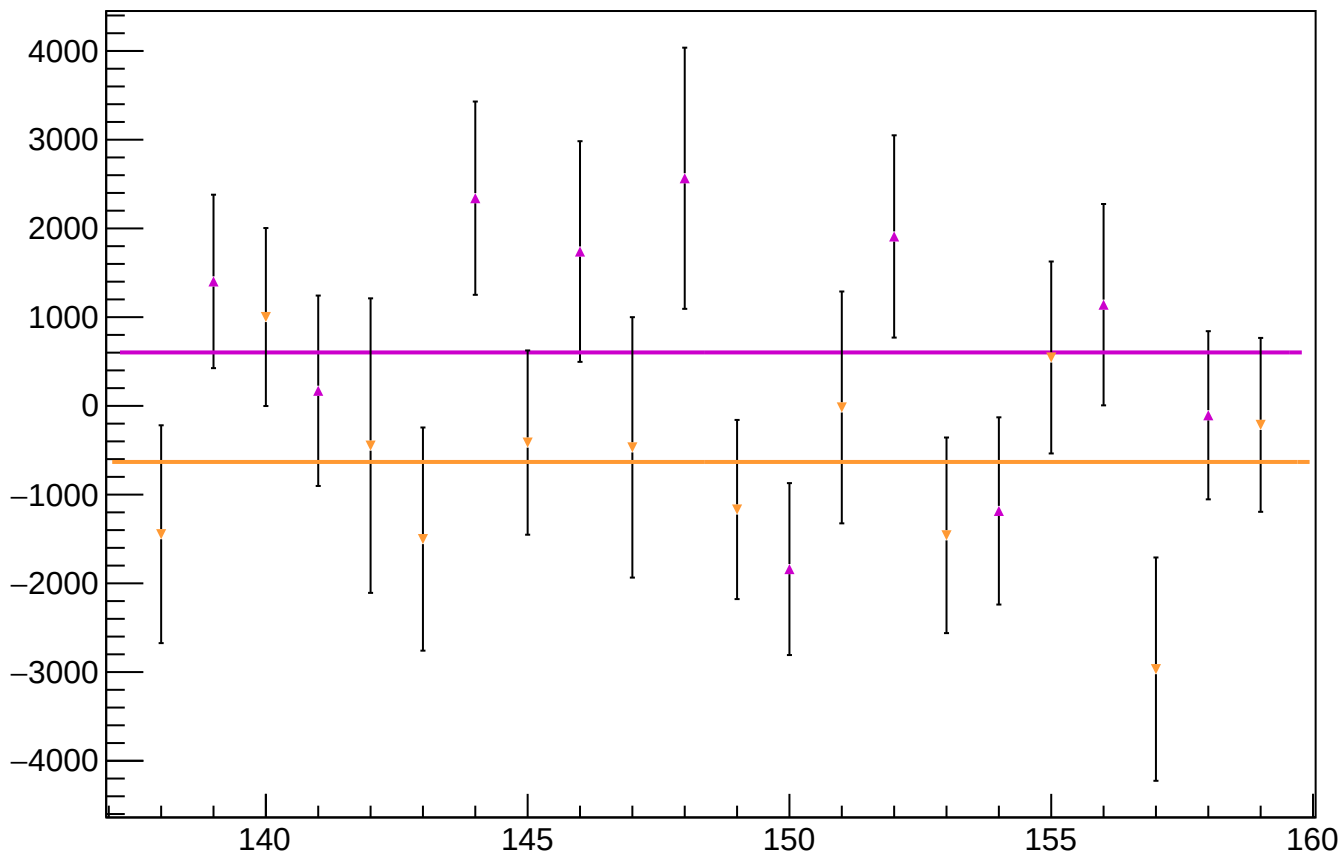
Right: 111.674 $\pm$ 0.022 χ^2/NDF : 2658703.6/35

In: 132.811 $\pm$ 0.025 χ^2/NDF :2358693.5/26

Out: 129.209 $\pm$ 0.024 χ^2/NDF :2399723.2/30

All: 130.900 $\pm$ 0.017 χ^2/NDF : 4769179.6/57

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -631.889+/-334.040 χ^2/NDF : 9.5/11

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

Left In: 602.346+/-343.199 χ^2/NDF : 17.3/9

Left: -31.461+/-239.375 χ^2/NDF : 33.5/21

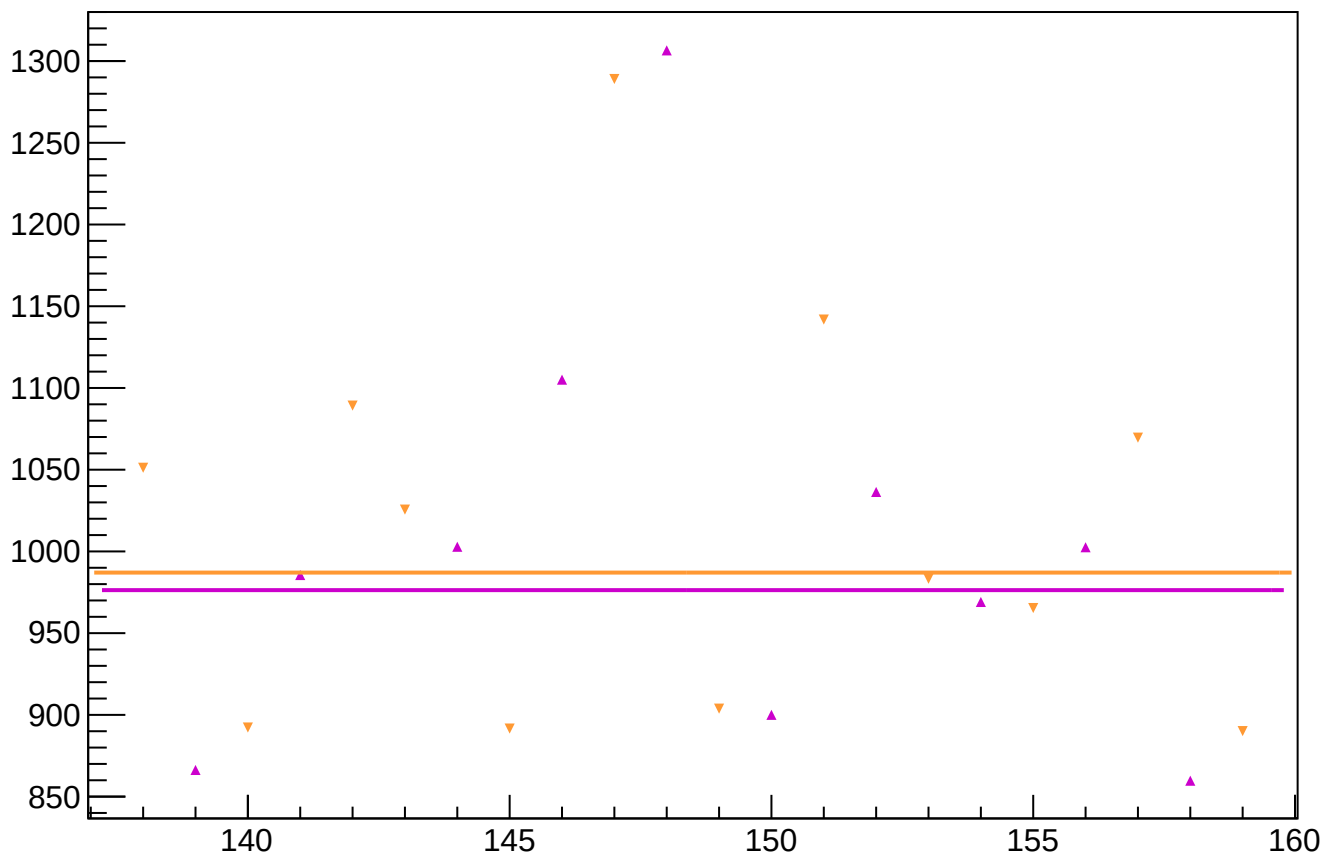
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 602.346+/-343.199 χ^2/NDF : 17.3/9

Out: -631.889+/-334.040 χ^2/NDF : 9.5/11

All: -31.461+/-239.375 χ^2/NDF : 33.5/21

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 987.057+/-0.236 χ^2/NDF :205029.8/11

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

Left In: 976.320+/-0.243 χ^2/NDF :198188.8/9

Left: 981.834+/-0.169 χ^2/NDF : 404223.8/21

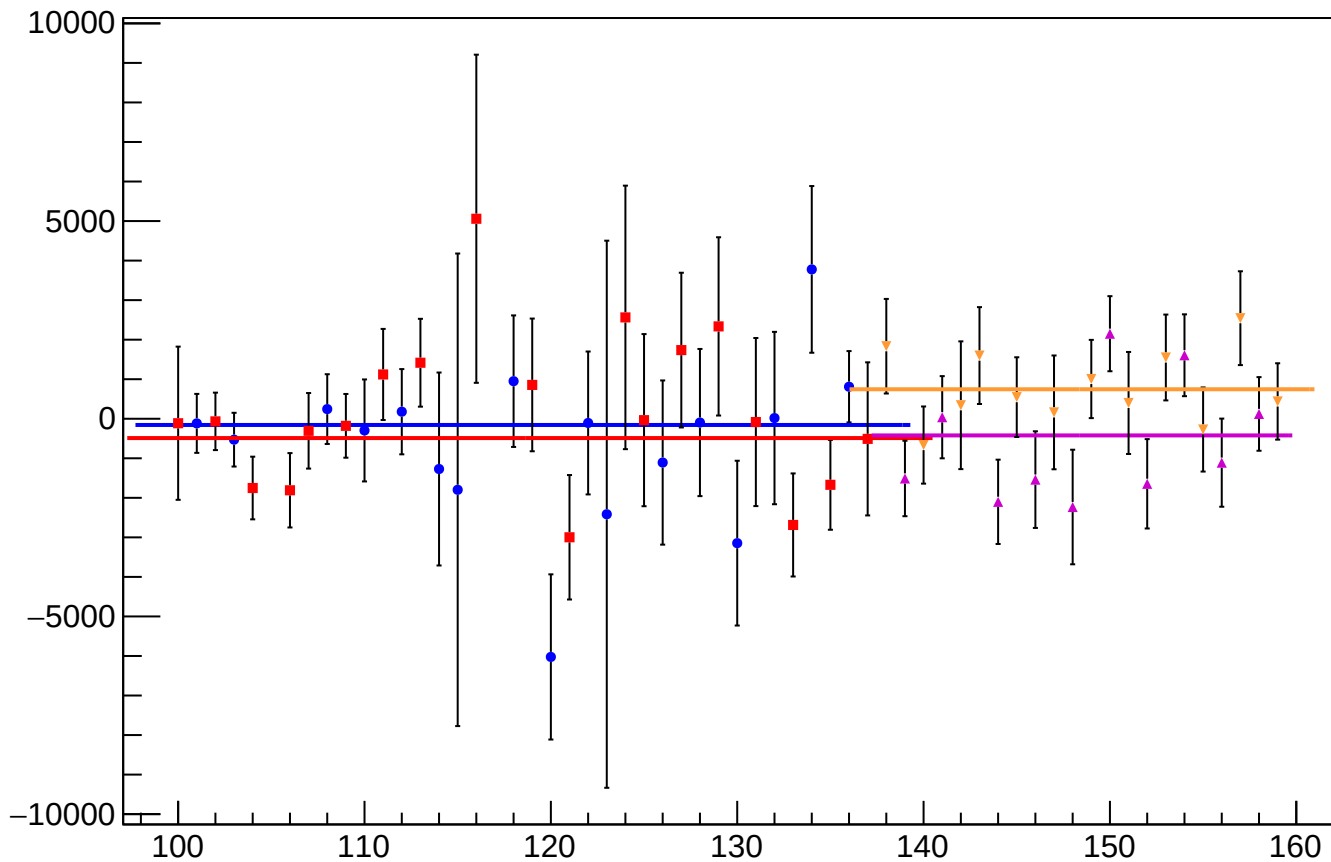
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 976.320+/-0.243 χ^2/NDF :198188.8/9

Out: 987.057+/-0.236 χ^2/NDF :205029.8/11

All: 981.834+/-0.169 χ^2/NDF : 404223.8/21

asym_sam5_mean vs Slug, Sign Corrected



Right In: -157.178 ± 312.499 $\chi^2/\text{NDF}: 16.2/16$

Left Out: 745.898 ± 326.113 $\chi^2/\text{NDF}: 7.7/11$

Right Out: -488.583 ± 282.758 $\chi^2/\text{NDF}: 22.6/18$

Left In: -421.413 ± 336.479 $\chi^2/\text{NDF}: 19.4/9$

Left: 180.501 ± 234.176 $\chi^2/\text{NDF}: 33.3/21$

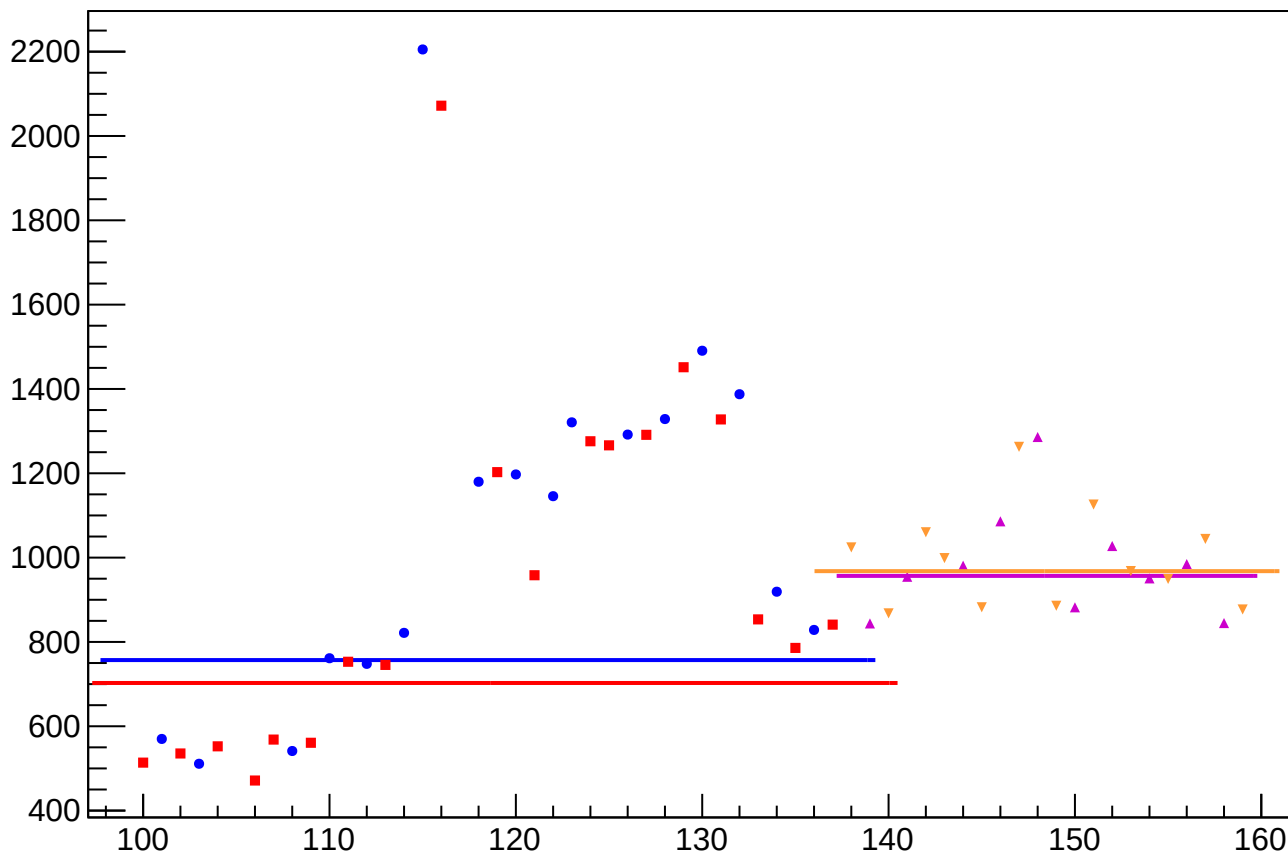
Right: -339.397 ± 209.669 $\chi^2/\text{NDF}: 39.5/35$

In: -279.545 ± 228.979 $\chi^2/\text{NDF}: 36.0/26$

Out: 41.200 ± 213.636 $\chi^2/\text{NDF}: 38.5/30$

All: -108.068 ± 156.206 $\chi^2/\text{NDF}: 75.6/57$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 756.985+/-0.221 χ^2/NDF : 1711285.9/16

Left Out: 967.901+/-0.231 χ^2/NDF : 202073.3/11

Right Out: 702.656+/-0.200 χ^2/NDF : 1689579.7/18

Left In: 956.662+/-0.238 χ^2/NDF : 205136.1/9

Left: 962.457+/-0.166 χ^2/NDF : 408360.0/21

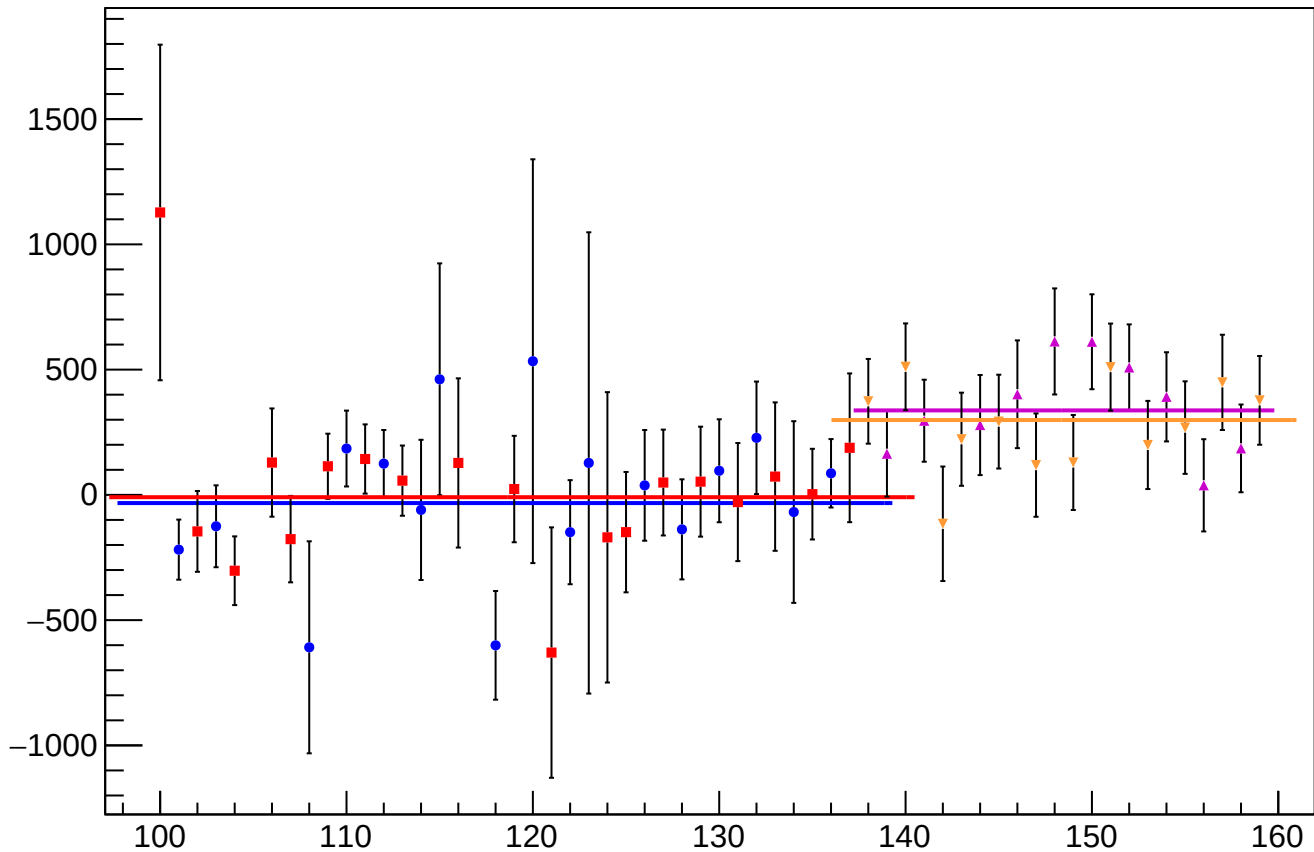
Right: 727.113+/-0.148 χ^2/NDF : 3434103.1/35

In: 849.455+/-0.162 χ^2/NDF : 2294569.2/26

Out: 816.487+/-0.151 χ^2/NDF : 2646928.3/30

All: 831.830+/-0.110 χ^2/NDF : 4963663.2/57

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -32.694 $\pm$ 48.431 χ^2/NDF : 19.7/16

Left Out: 298.721 $\pm$ 53.413 χ^2/NDF : 9.4/11

Right Out: -9.277 $\pm$ 45.600 χ^2/NDF : 14.7/18

Left In: 337.197 $\pm$ 58.138 χ^2/NDF : 9.5/9

Left: 316.332 $\pm$ 39.333 χ^2/NDF : 19.1/21

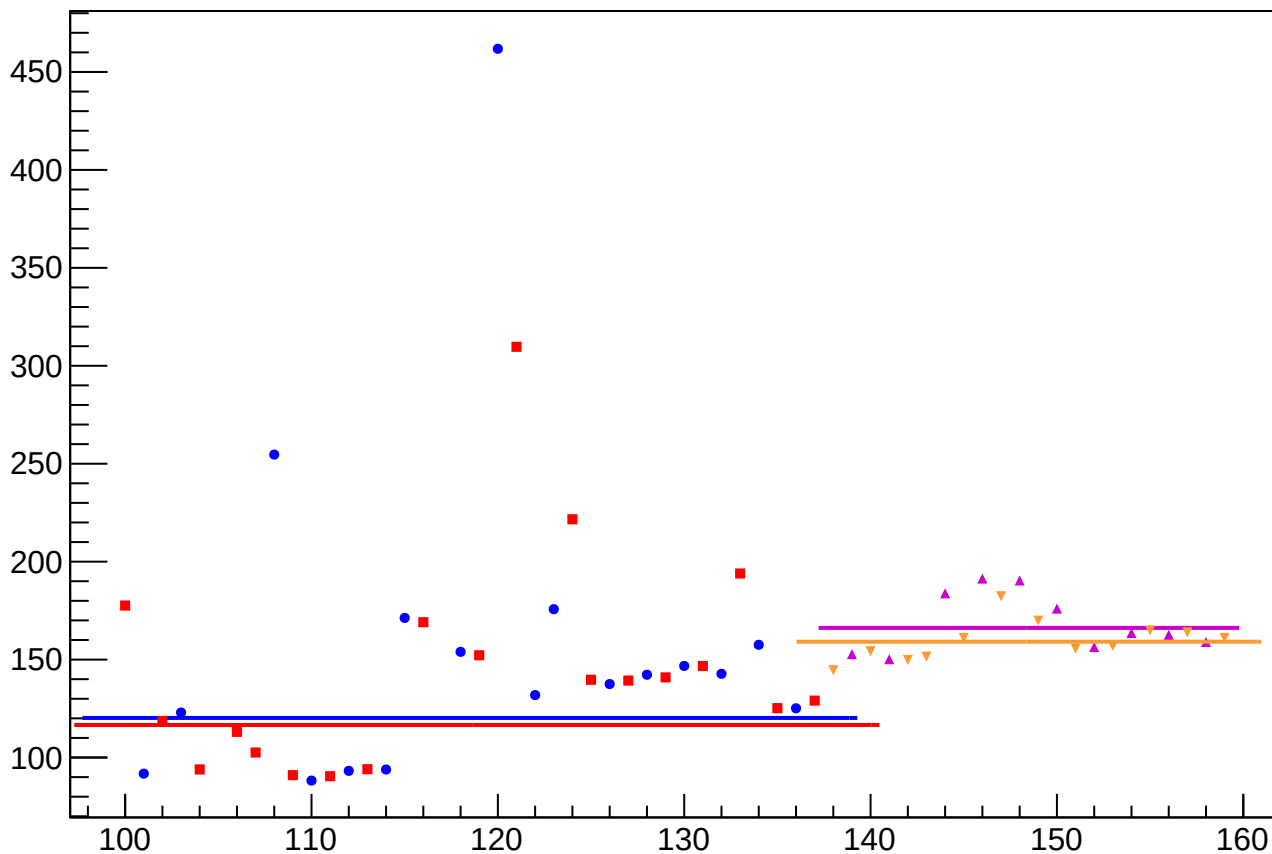
Right: -20.281 $\pm$ 33.200 χ^2/NDF : 34.6/35

In: 118.836 $\pm$ 37.211 χ^2/NDF : 53.2/26

Out: 120.568 $\pm$ 34.680 χ^2/NDF : 43.3/30

All: 119.763 $\pm$ 25.370 χ^2/NDF : 96.4/57

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.207 $\pm$ 0.034 χ^2 /NDF: 1062326.6/16

Left Out: 159.133 $\pm$ 0.038 χ^2 /NDF:59623.0/11

Right Out: 116.618 $\pm$ 0.032 χ^2 /NDF: 997956.6/18

Left In: 166.179 $\pm$ 0.041 χ^2 /NDF:116879.5/9

Left: 162.358 $\pm$ 0.028 χ^2 /NDF: 192431.1/21

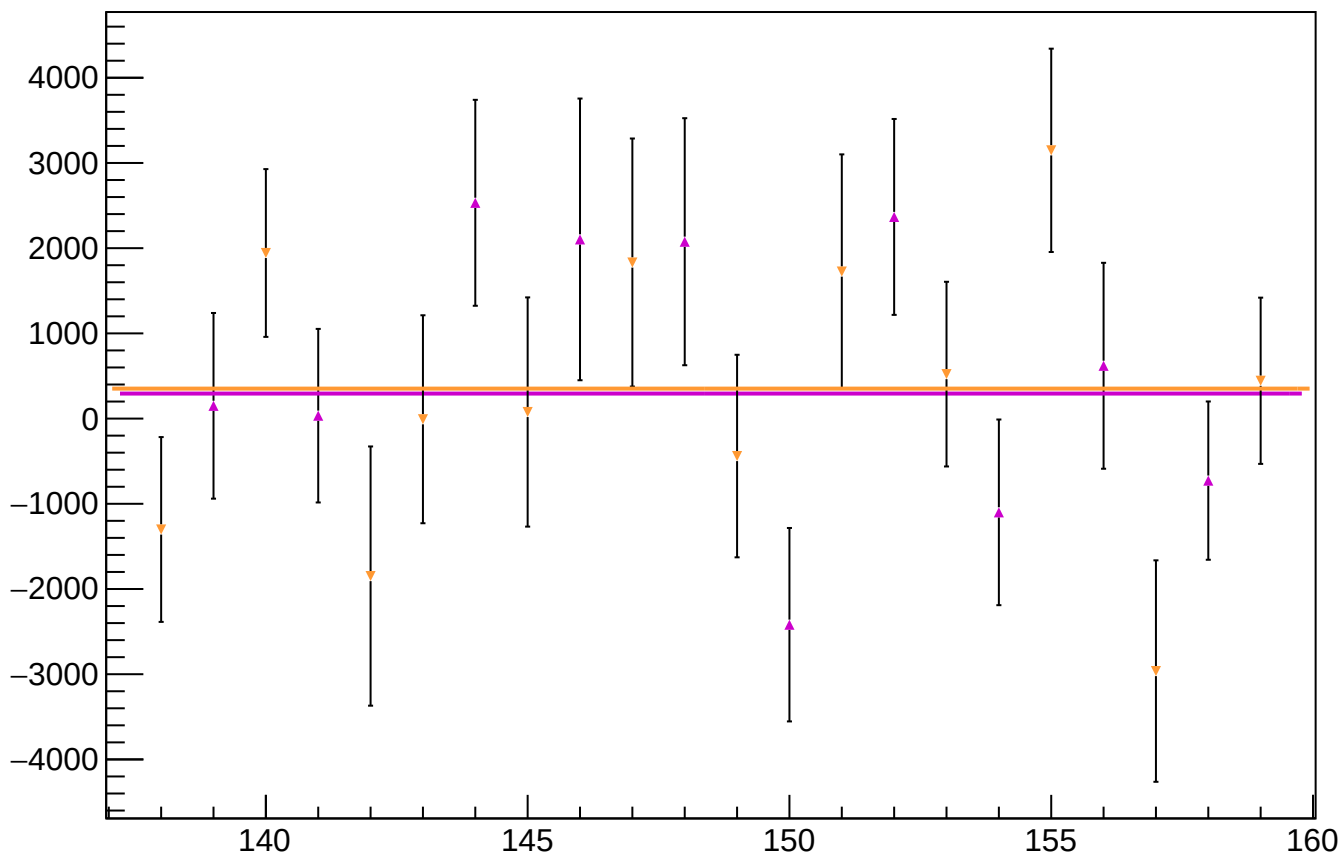
Right: 118.304 $\pm$ 0.023 χ^2 /NDF: 2066104.2/35

In: 139.040 $\pm$ 0.026 χ^2 /NDF:1917431.4/26

Out: 134.541 $\pm$ 0.025 χ^2 /NDF:1790514.8/30

All: 136.632 $\pm$ 0.018 χ^2 /NDF: 3723587.0/57

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 351.783+/-344.147 χ^2/NDF :21.7/11

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

Left In: 293.718+/-363.889 χ^2/NDF :18.1/9

Left: 324.368+/-250.037 χ^2/NDF : 39.8/21

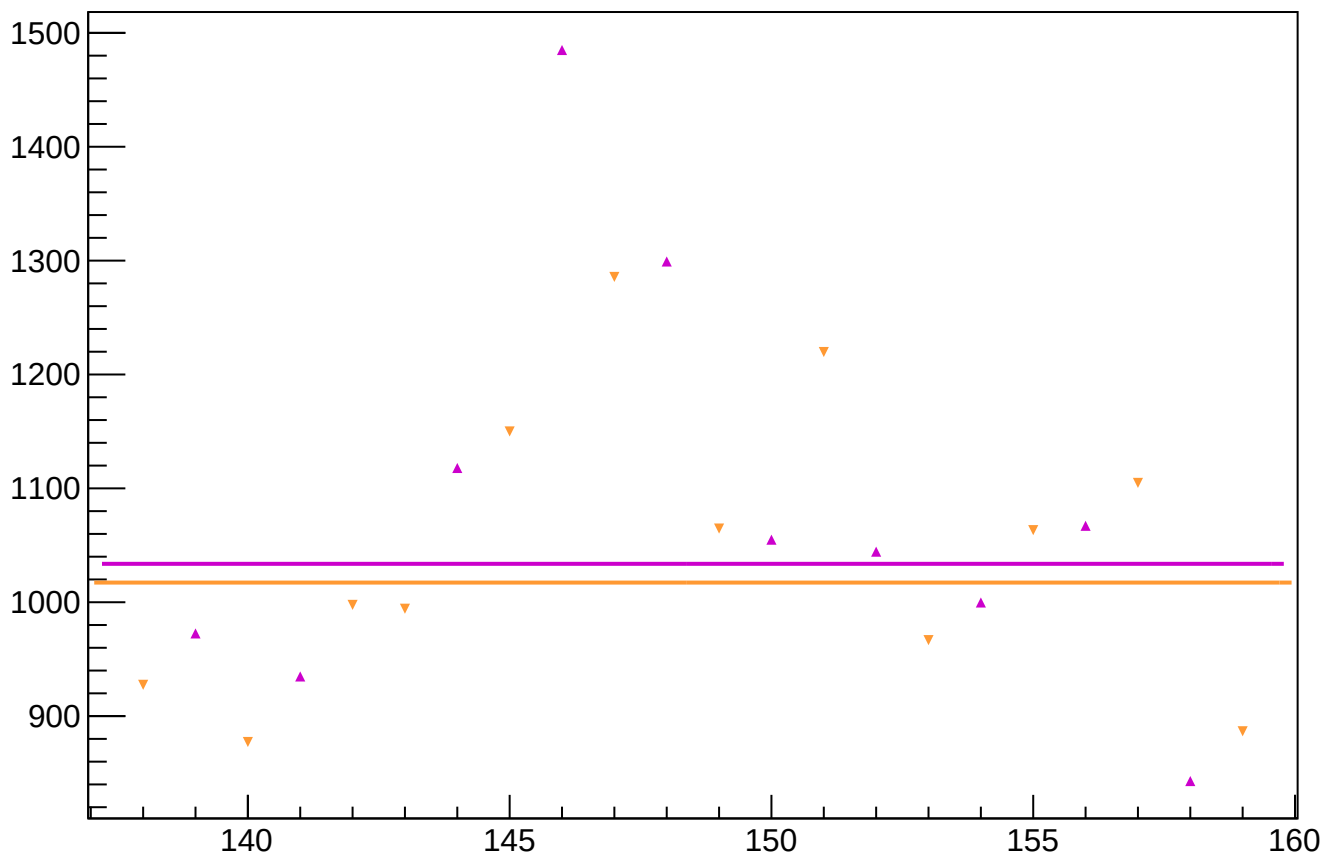
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 293.718+/-363.889 χ^2/NDF :18.1/9

Out: 351.783+/-344.147 χ^2/NDF :21.7/11

All: 324.368+/-250.037 χ^2/NDF : 39.8/21

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1017.267+/-0.243 χ^2/NDF :241444.5/11

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

Left In: 1033.734+/-0.257 χ^2/NDF :339683.8/9

Left: 1025.042+/-0.177 χ^2/NDF : 583290.4/21

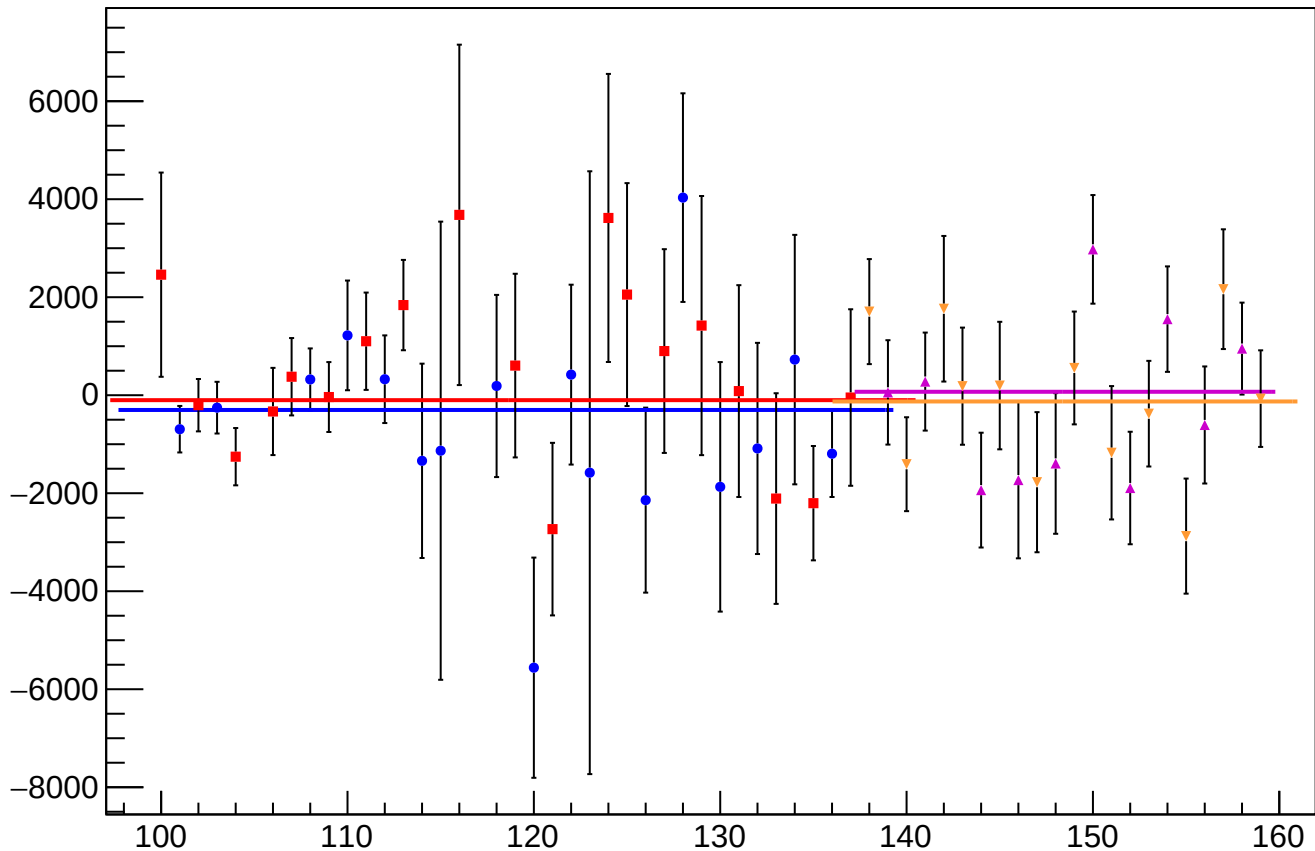
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1033.734+/-0.257 χ^2/NDF :339683.8/9

Out: 1017.267+/-0.243 χ^2/NDF :241444.5/11

All: 1025.042+/-0.177 χ^2/NDF : 583290.4/21

asym_sam6_mean vs Slug, Sign Corrected



Right In: -301.000 ± 250.042 χ^2/NDF : 16.8/16

Left Out: -127.473 ± 337.633 χ^2/NDF : 17.8/11

Right Out: -100.857 ± 245.981 χ^2/NDF : 22.5/18

Left In: 70.185 ± 358.959 χ^2/NDF : 18.2/9

Left: -34.690 ± 245.936 χ^2/NDF : 36.1/21

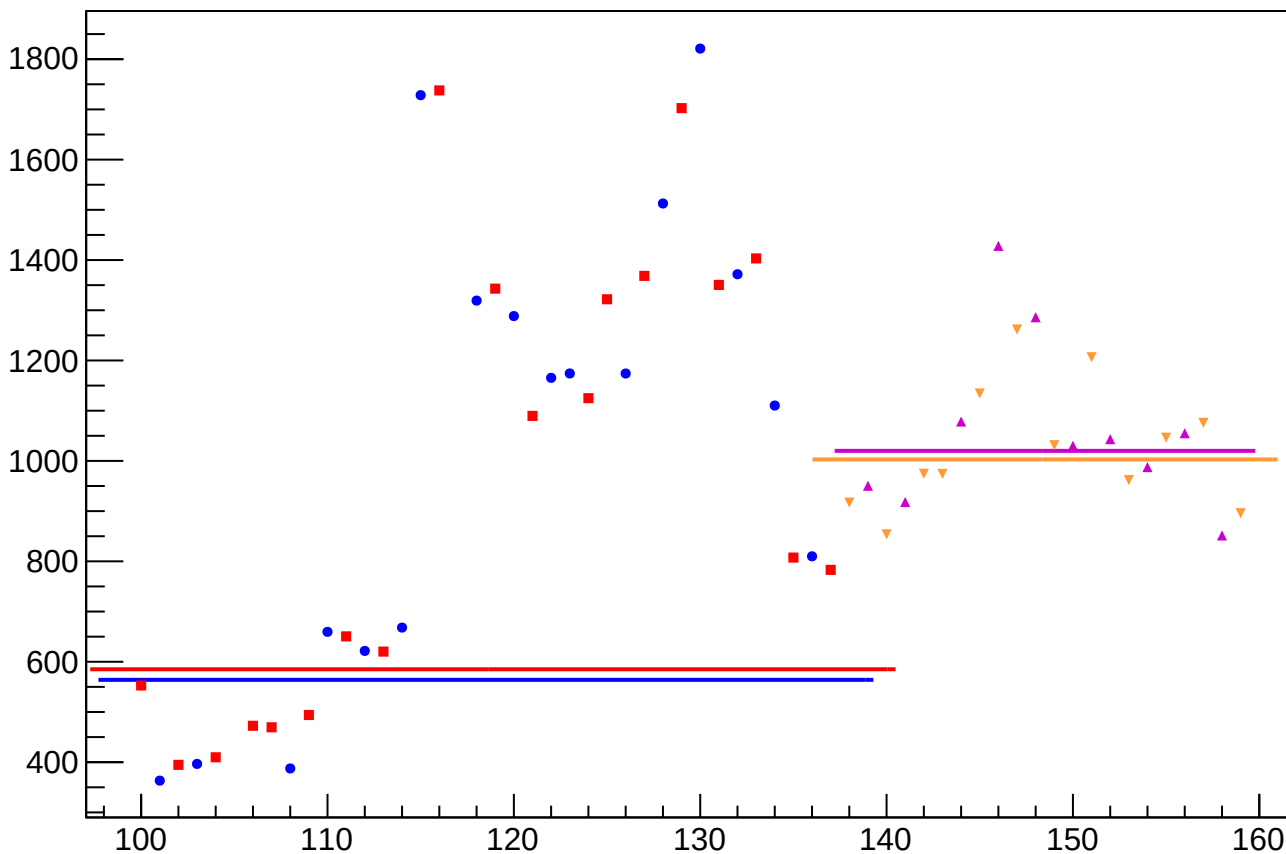
Right: -199.290 ± 175.353 χ^2/NDF : 39.7/35

In: -179.734 ± 205.172 χ^2/NDF : 35.8/26

Out: -110.086 ± 198.813 χ^2/NDF : 40.3/30

All: -143.814 ± 142.777 χ^2/NDF : 76.1/57

asym_sam6_rms vs Slug, Sign Corrected



Right In: 564.003 $\pm$ 0.177 χ^2 /NDF: 3261491.3/16

Left Out: 1002.881 $\pm$ 0.239 χ^2 /NDF:231536.9/11

Right Out: 585.070 $\pm$ 0.174 χ^2 /NDF: 2820837.8/18

Left In: 1020.010 $\pm$ 0.254 χ^2 /NDF:302623.7/9

Left: 1010.922 $\pm$ 0.174 χ^2 /NDF: 536577.1/21

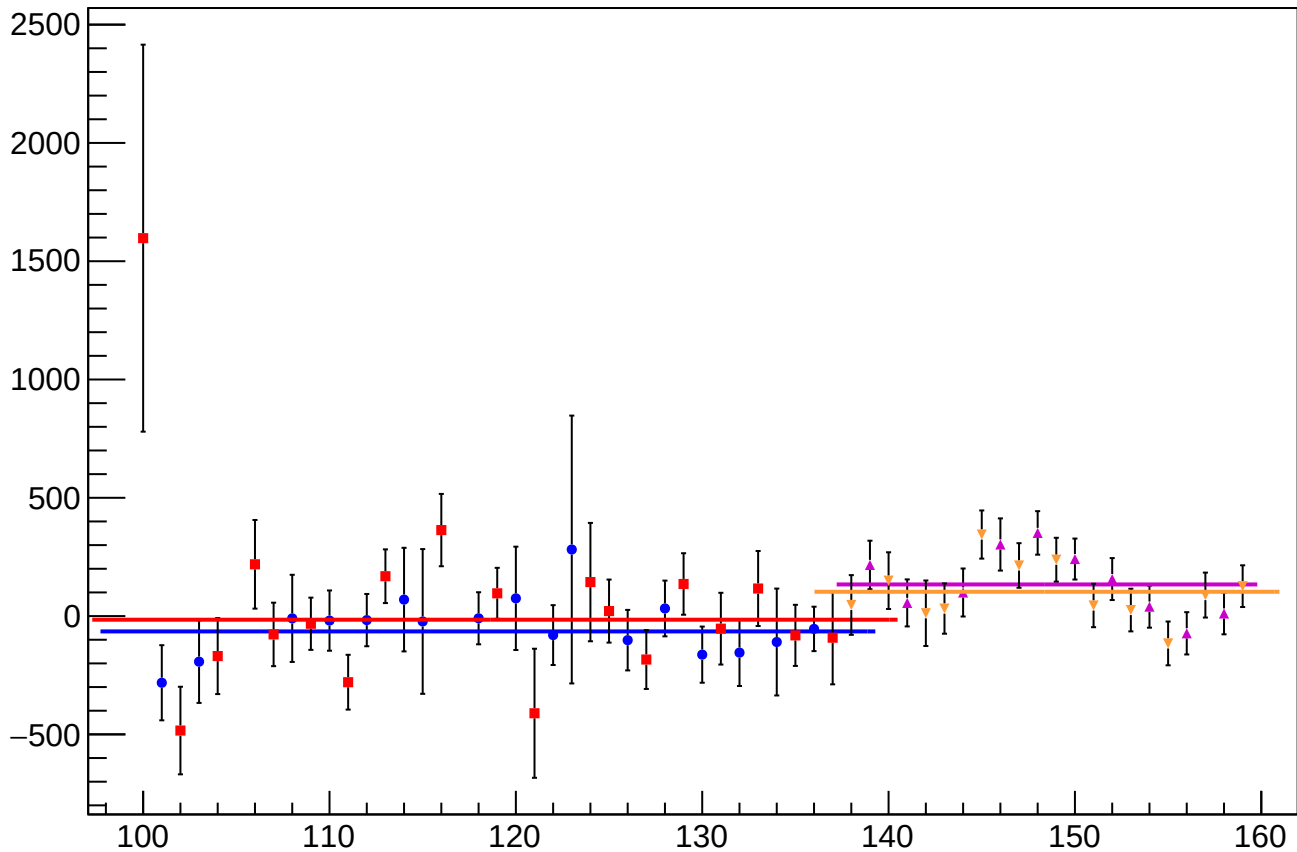
Right: 574.709 $\pm$ 0.124 χ^2 /NDF: 6089543.5/35

In: 712.980 $\pm$ 0.145 χ^2 /NDF:5737283.6/26

Out: 729.940 $\pm$ 0.141 χ^2 /NDF:5053105.9/30

All: 721.727 $\pm$ 0.101 χ^2 /NDF: 10797437.5/57

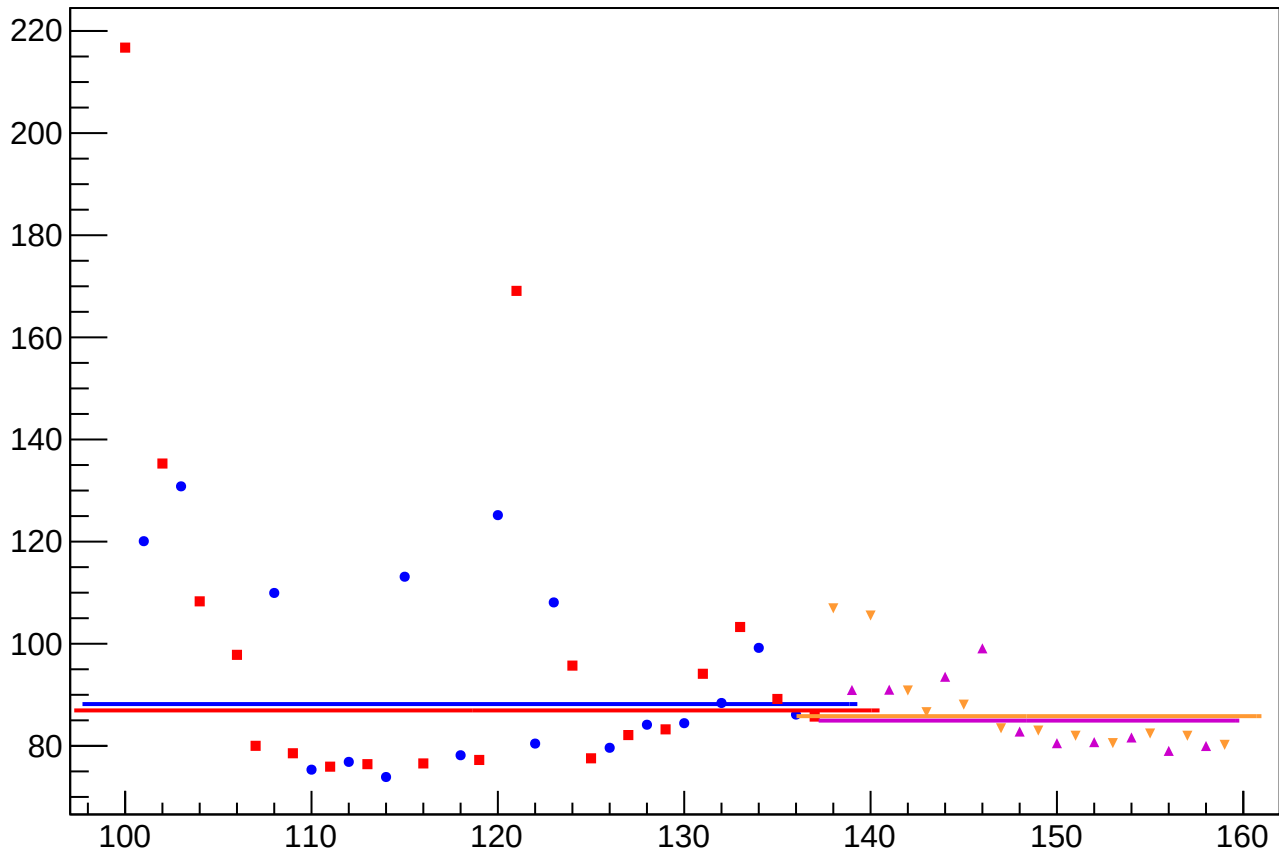
dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -64.797 ± 34.629 χ^2/NDF : 6.2/16
 Left Out: 102.824 ± 28.909 χ^2/NDF : 17.2/11
 Right Out: -15.294 ± 33.422 χ^2/NDF : 35.0/18
 Left In: 133.716 ± 29.683 χ^2/NDF : 19.3/9

Left: 117.862 ± 20.710 χ^2/NDF : 37.1/21
 Right: -39.167 ± 24.048 χ^2/NDF : 42.2/35
 In: 49.639 ± 22.537 χ^2/NDF : 44.4/26
 Out: 52.273 ± 21.864 χ^2/NDF : 59.3/30
 All: 50.996 ± 15.693 χ^2/NDF : 103.8/57

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 88.186 ± 0.024 χ^2/NDF : 394447.7/16

Left Out: 85.819 ± 0.020 χ^2/NDF : 141344.6/11

Right Out: 86.943 ± 0.024 χ^2/NDF : 531359.9/18

Left In: 84.952 ± 0.021 χ^2/NDF : 90260.6/9

Left: 85.397 ± 0.015 χ^2/NDF : 232481.8/21

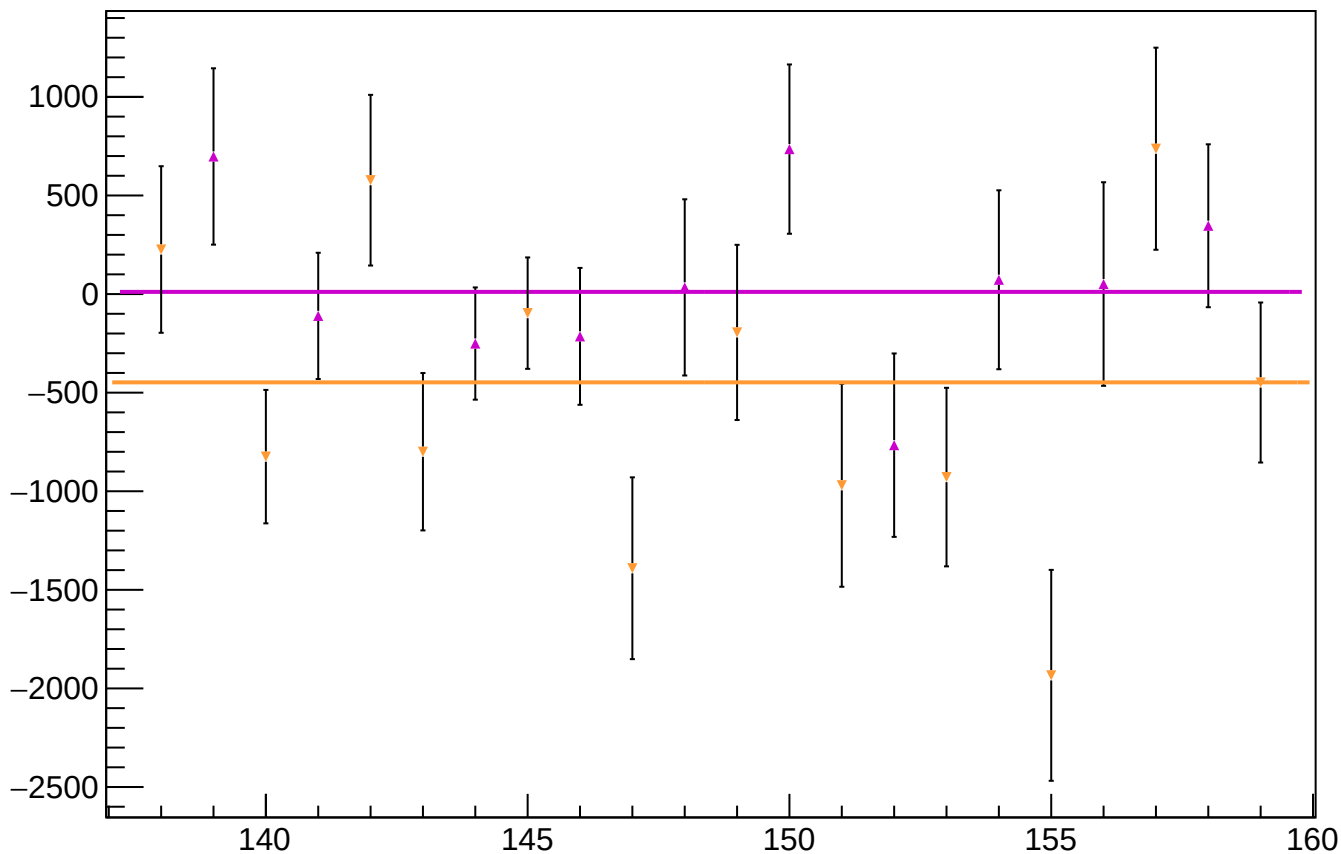
Right: 87.542 ± 0.017 χ^2/NDF : 927142.1/35

In: 86.322 ± 0.016 χ^2/NDF : 494765.9/26

Out: 86.300 ± 0.015 χ^2/NDF : 673997.7/30

All: 86.311 ± 0.011 χ^2/NDF : 1168764.6/57

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -447.814 ± 119.279 $\chi^2/\text{NDF}: 31.4/11$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: 11.108 ± 124.103 $\chi^2/\text{NDF}: 10.1/9$

Left: -227.445 ± 85.998 $\chi^2/\text{NDF}: 48.6/21$

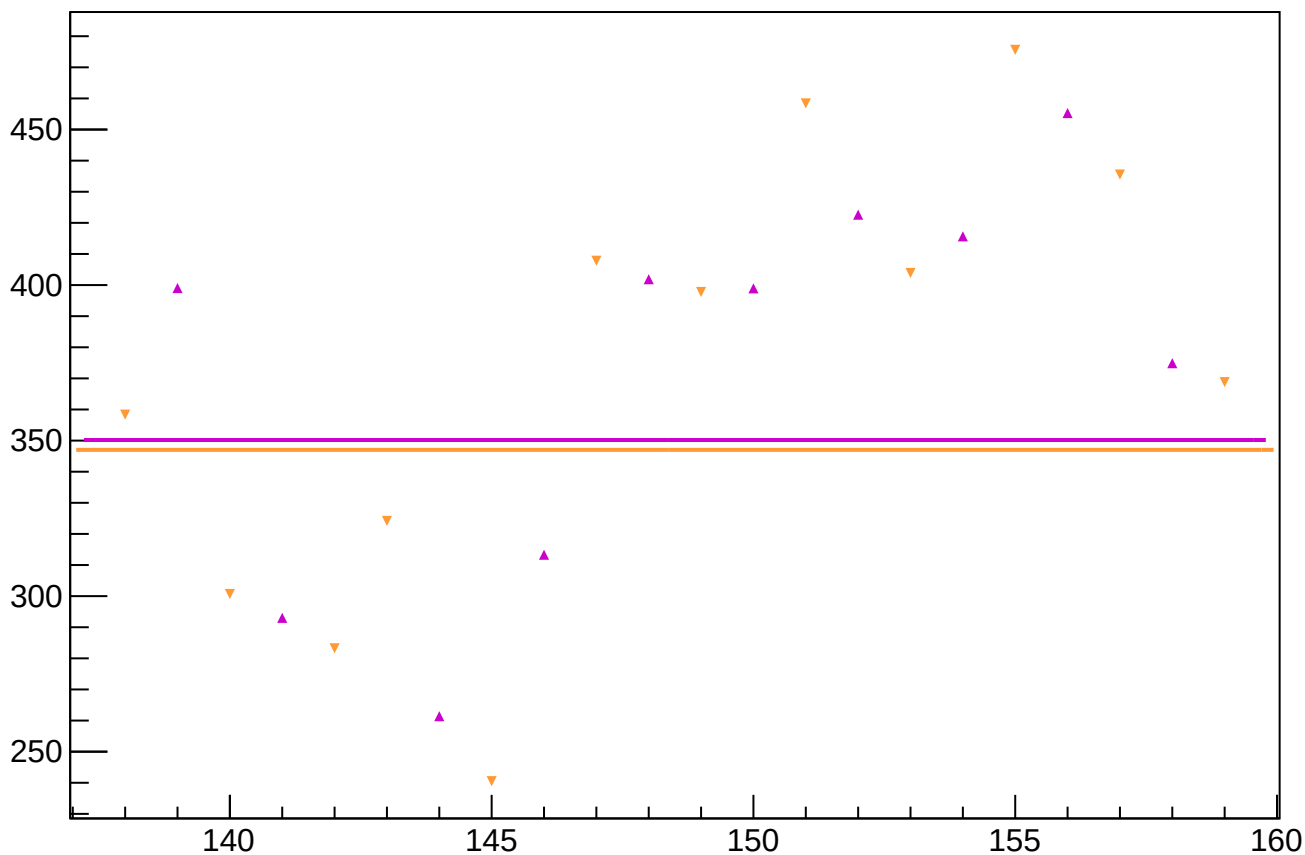
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: 11.108 ± 124.103 $\chi^2/\text{NDF}: 10.1/9$

Out: -447.814 ± 119.279 $\chi^2/\text{NDF}: 31.4/11$

All: -227.445 ± 85.998 $\chi^2/\text{NDF}: 48.6/21$

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 347.026+/-0.084 χ^2/NDF : 740383.7/11

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

Left In: 350.190+/-0.088 χ^2/NDF : 537665.4/9

Left: 348.545+/-0.061 χ^2/NDF : 1278724.7/21

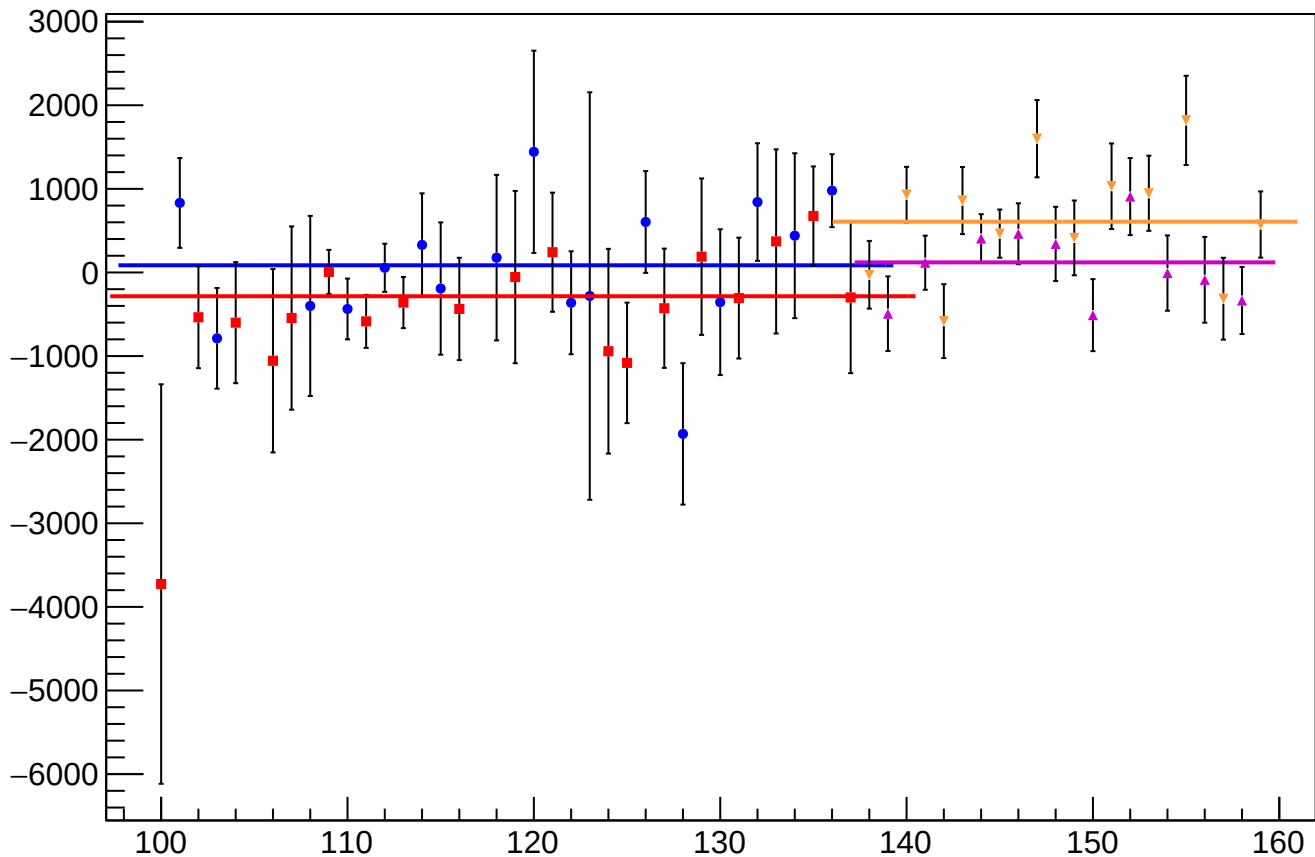
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 350.190+/-0.088 χ^2/NDF : 537665.4/9

Out: 347.026+/-0.084 χ^2/NDF : 740383.7/11

All: 348.545+/-0.061 χ^2/NDF : 1278724.7/21

asym_sam7_mean vs Slug, Sign Corrected



Right In: 85.810 $\pm$ 142.601 χ^2 /NDF: 20.6/16

Left Out: 607.176 $\pm$ 118.670 χ^2 /NDF:26.1/11

Right Out: -284.456 $\pm$ 129.599 χ^2 /NDF: 10.6/18

Left In: 120.686 $\pm$ 124.947 χ^2 /NDF:10.6/9

Left: 376.459 $\pm$ 86.046 χ^2 /NDF: 44.6/21

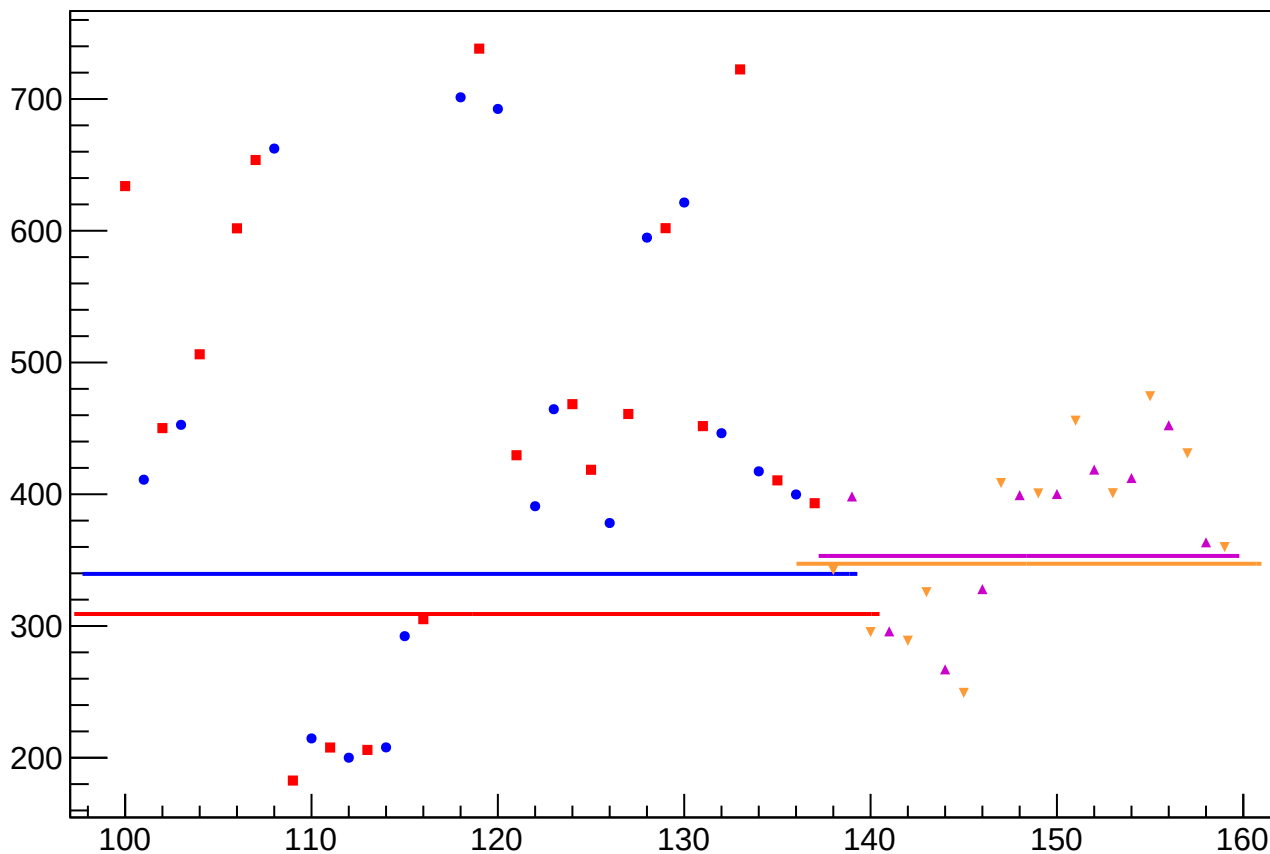
Right: -116.969 $\pm$ 95.908 χ^2 /NDF: 34.9/35

In: 105.539 $\pm$ 93.976 χ^2 /NDF:31.2/26

Out: 200.536 $\pm$ 87.521 χ^2 /NDF:62.4/30

All: 156.412 $\pm$ 64.047 χ^2 /NDF: 94.1/57

asym_sam7_rms vs Slug, Sign Corrected



Right In: 339.553 $\pm$ 0.101 χ^2 /NDF: 2042244.1/16

Left Out: 347.255 $\pm$ 0.084 χ^2 /NDF: 677071.7/11

Right Out: 309.105 $\pm$ 0.092 χ^2 /NDF: 2730308.7/18

Left In: 353.189 $\pm$ 0.088 χ^2 /NDF: 464438.8/9

Left: 350.069 $\pm$ 0.061 χ^2 /NDF: 1143882.5/21

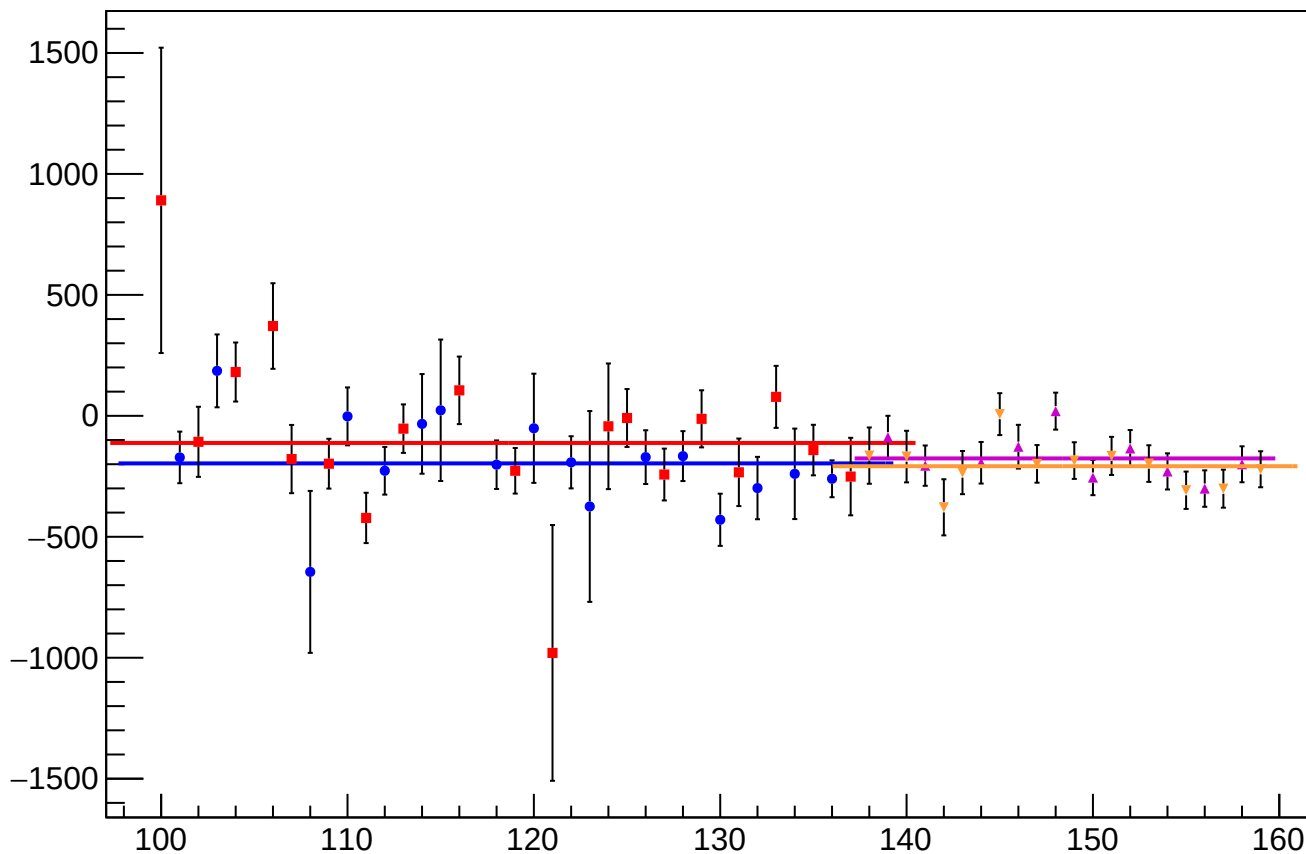
Right: 322.878 $\pm$ 0.068 χ^2 /NDF: 4822487.1/35

In: 347.267 $\pm$ 0.066 χ^2 /NDF: 2517029.5/26

Out: 329.856 $\pm$ 0.062 χ^2 /NDF: 3501648.2/30

All: 337.943 $\pm$ 0.045 χ^2 /NDF: 6055439.6/57

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -196.599 $\pm$ 30.399 χ^2/NDF : 19.0/16

Left Out: -208.292 $\pm$ 24.395 χ^2/NDF : 12.2/11

Right Out: -112.097 $\pm$ 29.622 χ^2/NDF : 39.3/18

Left In: -176.019 $\pm$ 25.007 χ^2/NDF : 12.8/9

Left: -192.556 $\pm$ 17.462 χ^2/NDF : 25.9/21

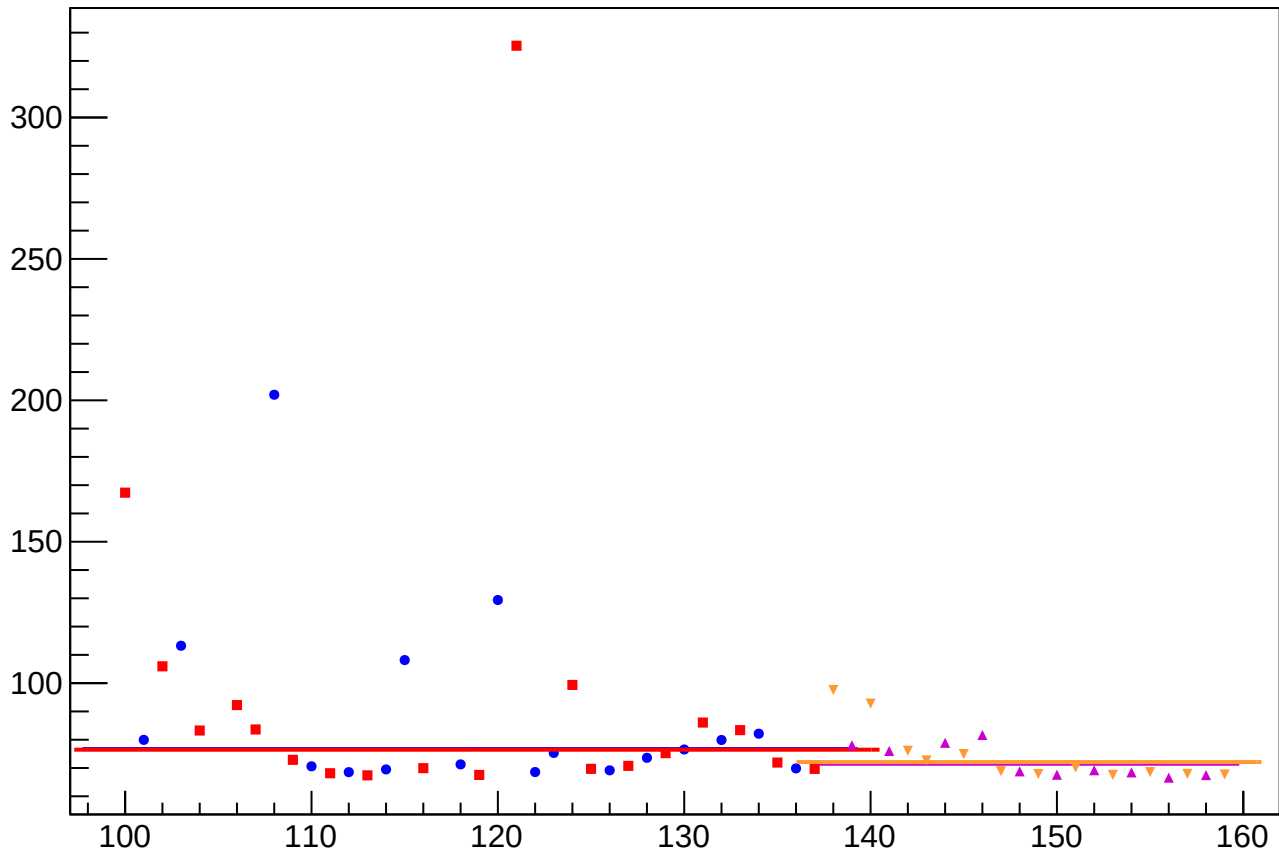
Right: -153.254 $\pm$ 21.215 χ^2/NDF : 62.3/35

In: -184.325 $\pm$ 19.312 χ^2/NDF : 32.1/26

Out: -169.417 $\pm$ 18.831 χ^2/NDF : 57.8/30

All: -176.683 $\pm$ 13.482 χ^2/NDF : 90.3/57

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 76.692 $\pm$ 0.021 χ^2/NDF : 600348.1/16

Left Out: 72.105 $\pm$ 0.017 χ^2/NDF : 210615.6/11

Right Out: 76.479 $\pm$ 0.021 χ^2/NDF : 699361.8/18

Left In: 71.504 $\pm$ 0.018 χ^2/NDF : 84534.0/9

Left: 71.812 $\pm$ 0.012 χ^2/NDF : 295740.4/21

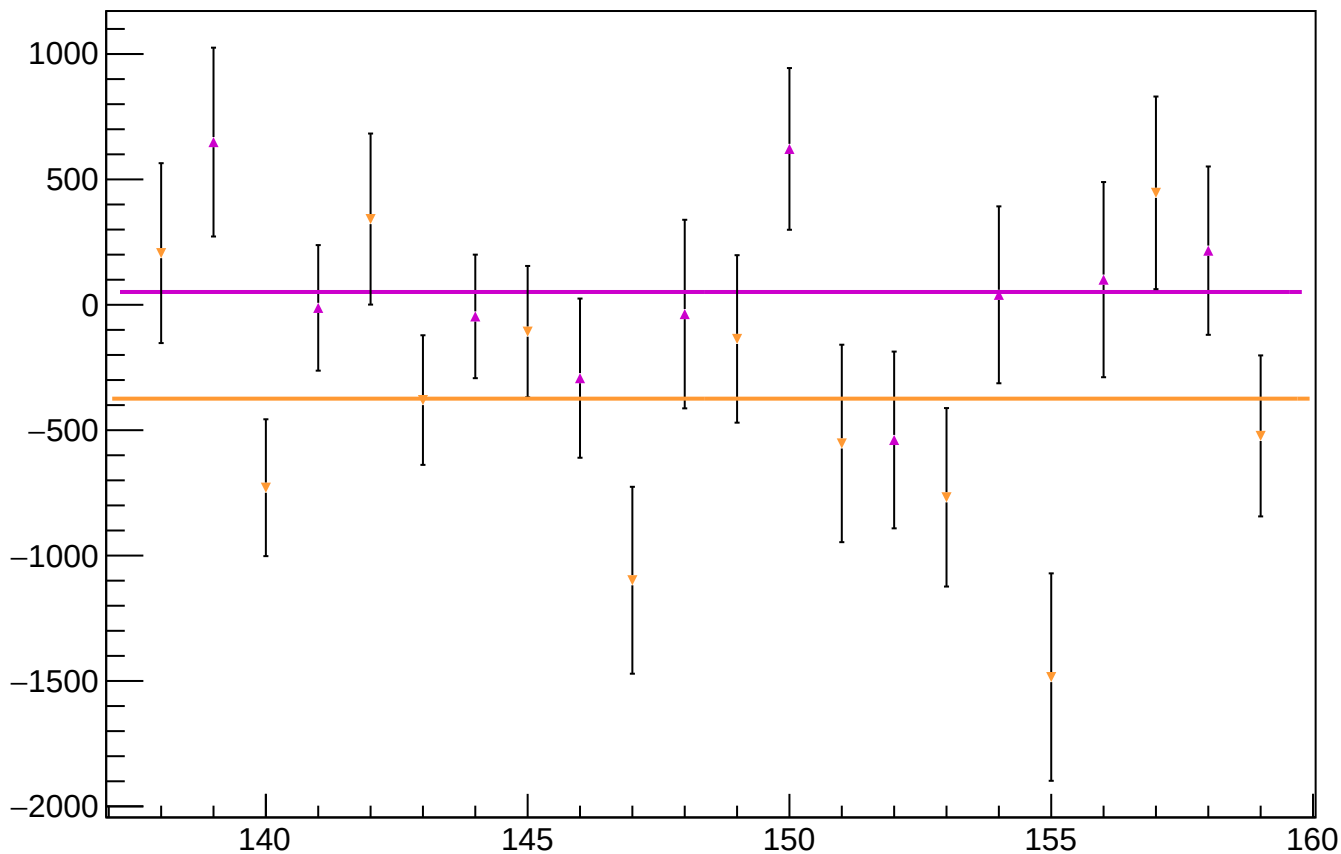
Right: 76.583 $\pm$ 0.015 χ^2/NDF : 1299760.4/35

In: 73.598 $\pm$ 0.014 χ^2/NDF : 719622.9/26

Out: 73.872 $\pm$ 0.013 χ^2/NDF : 935964.7/30

All: 73.739 $\pm$ 0.010 χ^2/NDF : 1655794.6/57

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -374.227+/-94.409 χ^2/NDF :27.5/11

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

Left In: 51.105+/-101.179 χ^2/NDF :10.2/9

Left: -176.265+/-69.027 χ^2/NDF : 47.1/21

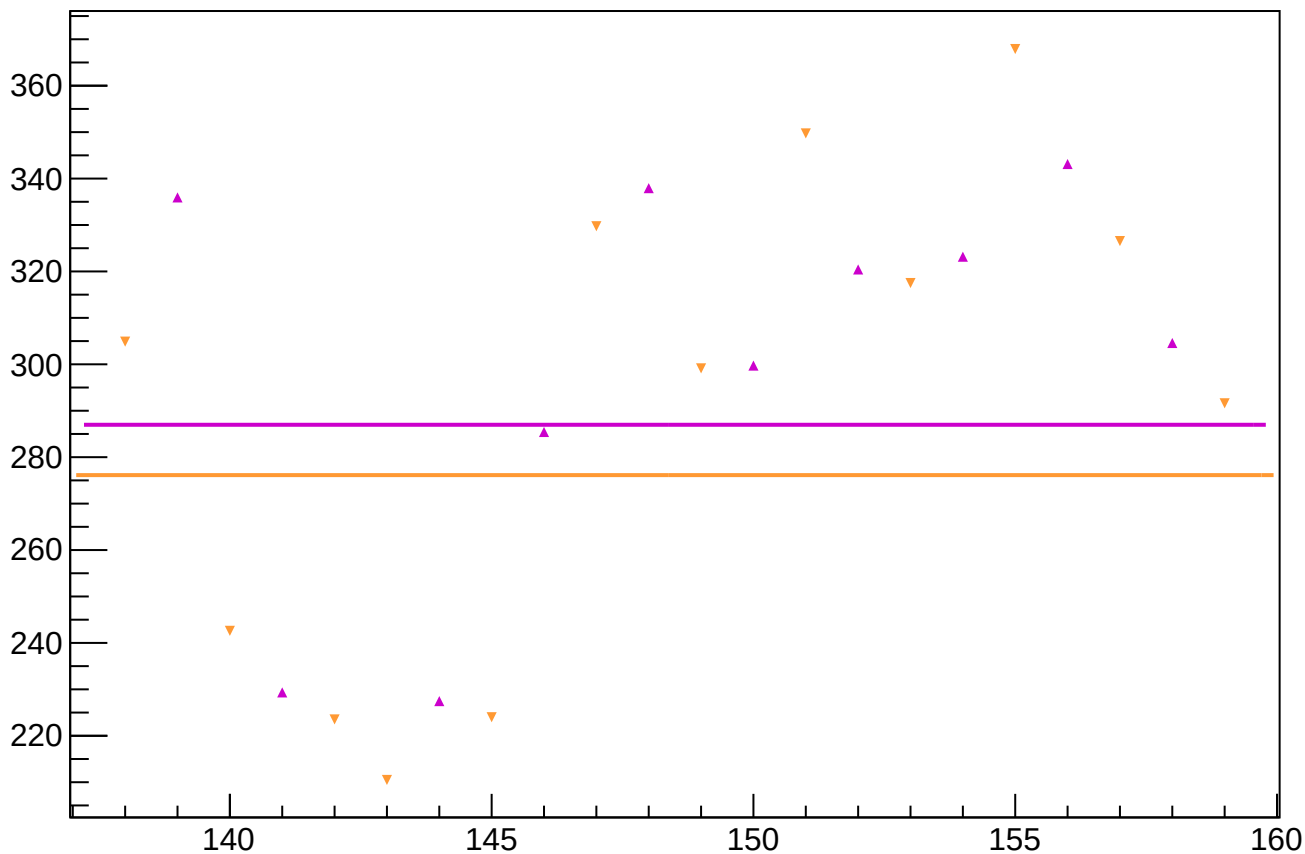
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 51.105+/-101.179 χ^2/NDF :10.2/9

Out: -374.227+/-94.409 χ^2/NDF :27.5/11

All: -176.265+/-69.027 χ^2/NDF : 47.1/21

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 276.137+/-0.067 χ^2/NDF : 584248.6/11

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

Left In: 286.979+/-0.072 χ^2/NDF : 382726.3/9

Left: 281.183+/-0.049 χ^2/NDF : 979250.3/21

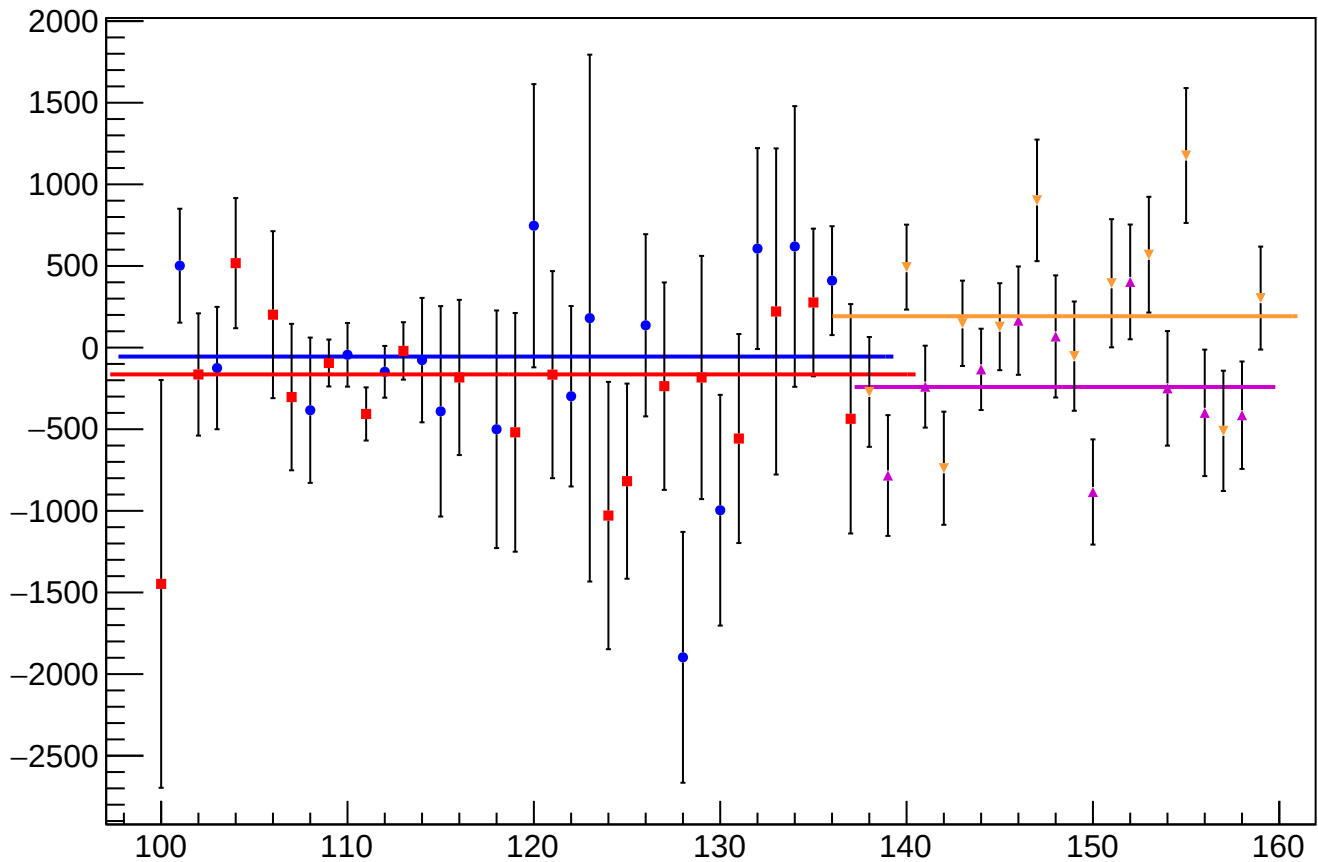
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 286.979+/-0.072 χ^2/NDF : 382726.3/9

Out: 276.137+/-0.067 χ^2/NDF : 584248.6/11

All: 281.183+/-0.049 χ^2/NDF : 979250.3/21

asym_sam8_mean vs Slug, Sign Corrected



Left: -6.768 ± 68.709 $\chi^2/\text{NDF}: 47.7/21$

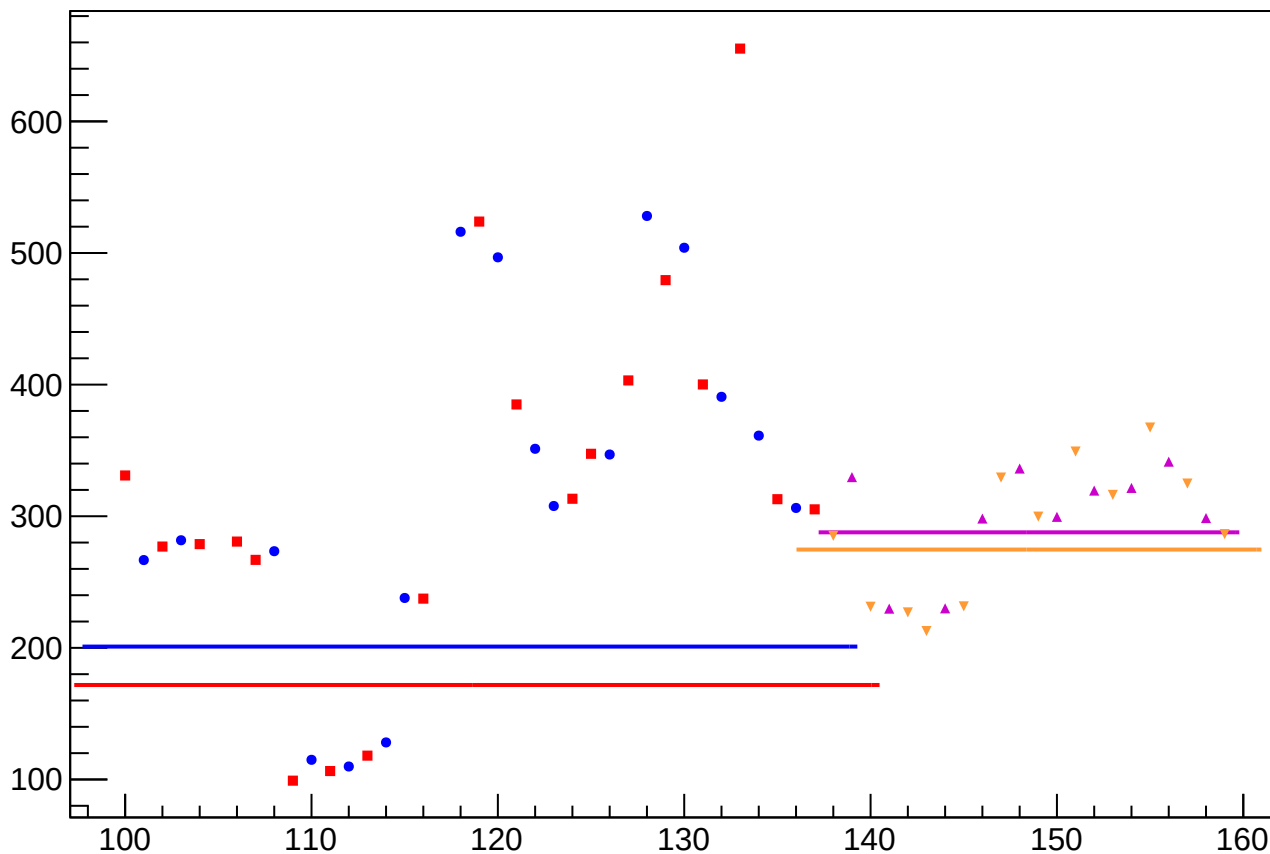
Right: -118.264 ± 58.563 $\chi^2/\text{NDF}: 29.3/35$

In: -137.378 ± 67.458 $\chi^2/\text{NDF}: 30.7/26$

Out: -20.192 ± 59.376 $\chi^2/\text{NDF}: 46.1/30$

All: -71.348 ± 44.570 $\chi^2/\text{NDF}: 78.5/57$

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.971+/-0.064 χ^2/NDF : 3436154.0/16

Left Out: 274.683+/-0.066 χ^2/NDF : 554866.4/11

Right Out: 171.794+/-0.054 χ^2/NDF : 4092634.7/18

Left In: 287.772+/-0.072 χ^2/NDF : 353538.7/9

Left: 280.693+/-0.049 χ^2/NDF : 926428.3/21

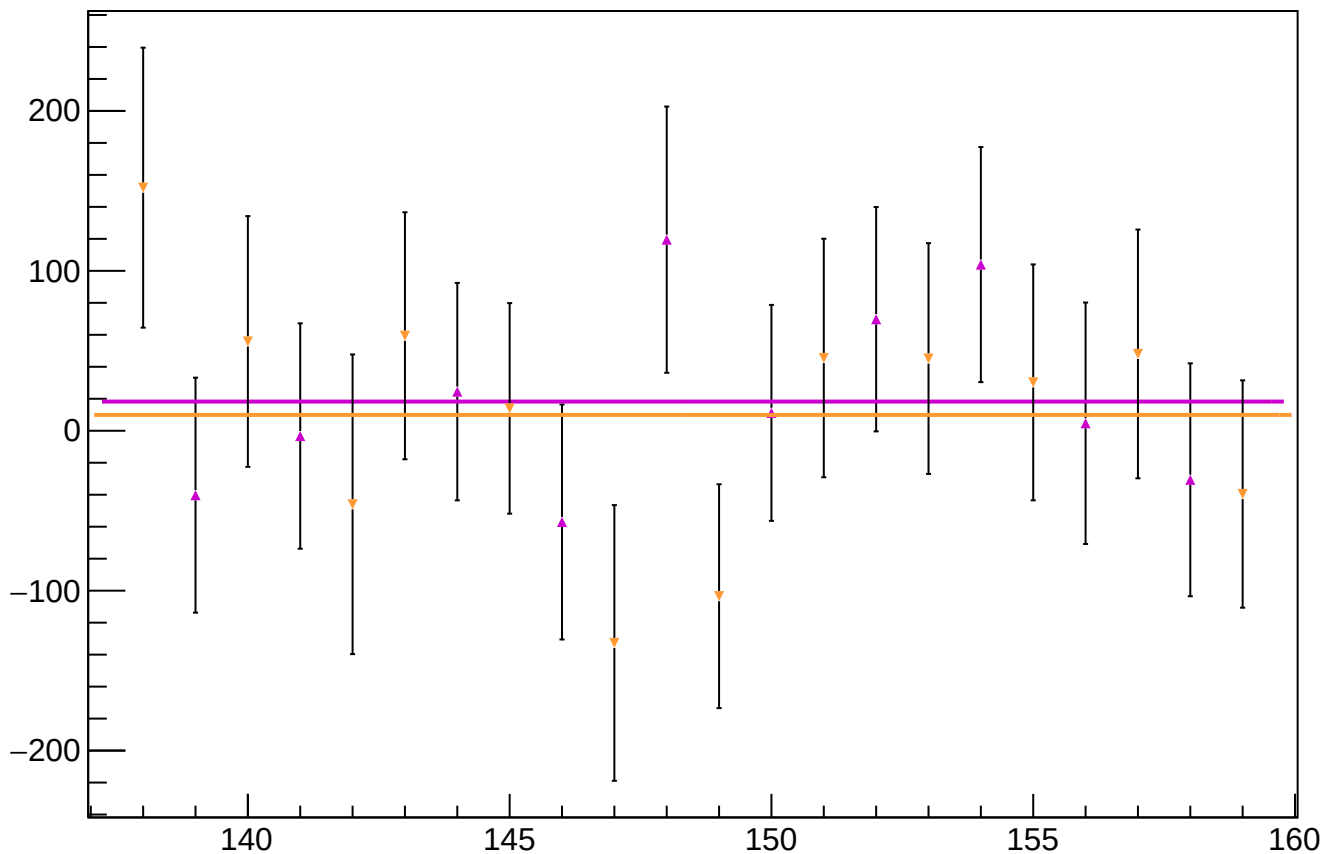
Right: 184.051+/-0.041 χ^2/NDF : 7649725.9/35

In: 239.390+/-0.048 χ^2/NDF : 4606638.5/26

Out: 213.349+/-0.042 χ^2/NDF : 6093384.6/30

All: 224.716+/-0.032 χ^2/NDF : 10867958.1/57

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: 9.897 $\pm$ 22.017 χ^2 /NDF:10.4/11

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

Left In: 18.246 $\pm$ 22.918 χ^2 /NDF:5.7/9

Left: 13.904 $\pm$ 15.877 χ^2 /NDF: 16.1/21

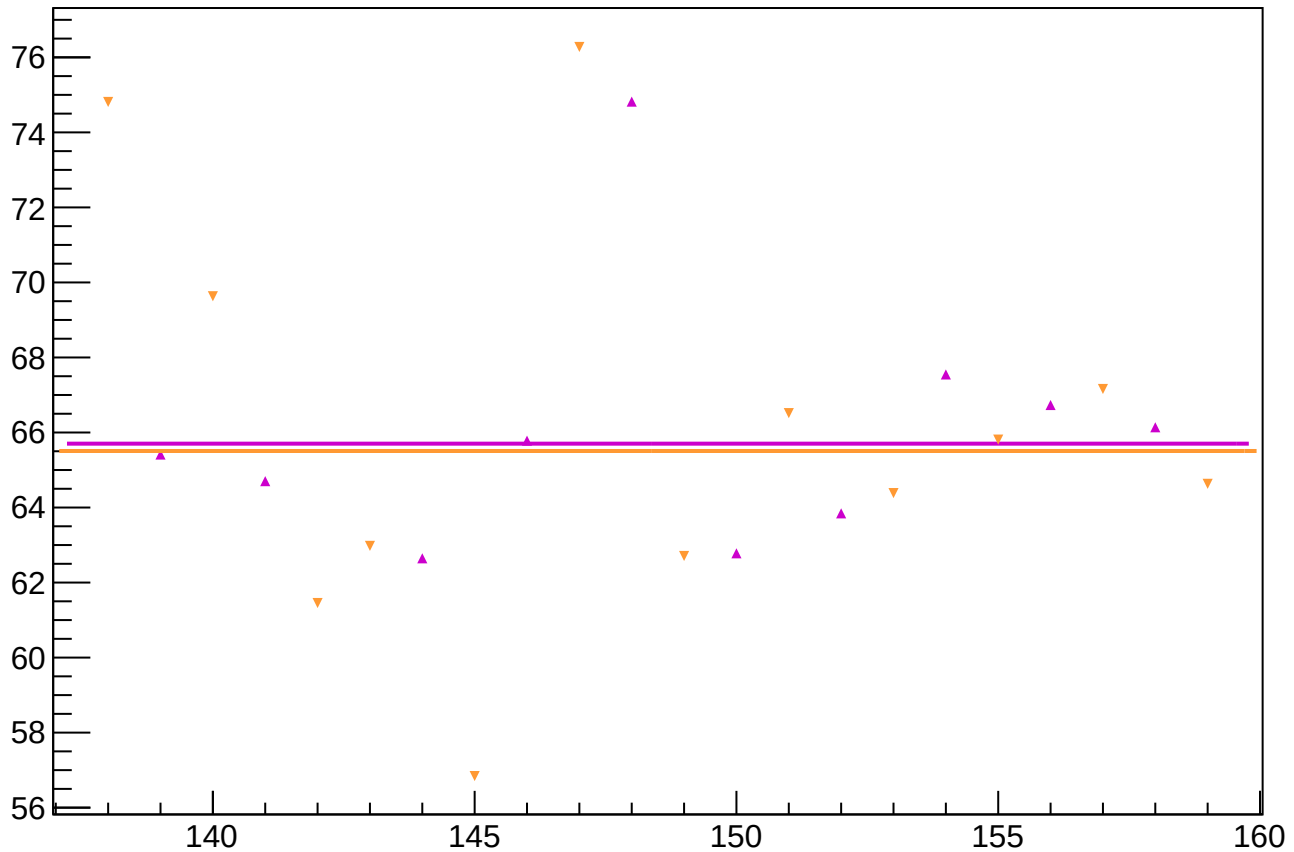
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 18.246 $\pm$ 22.918 χ^2 /NDF:5.7/9

Out: 9.897 $\pm$ 22.017 χ^2 /NDF:10.4/11

All: 13.904 $\pm$ 15.877 χ^2 /NDF: 16.1/21

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left Out: 65.507+/-0.016 χ^2/NDF :105158.5/11

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

Left In: 65.703+/-0.016 χ^2/NDF :35319.6/9

Left: 65.601+/-0.011 χ^2/NDF : 140553.7/21

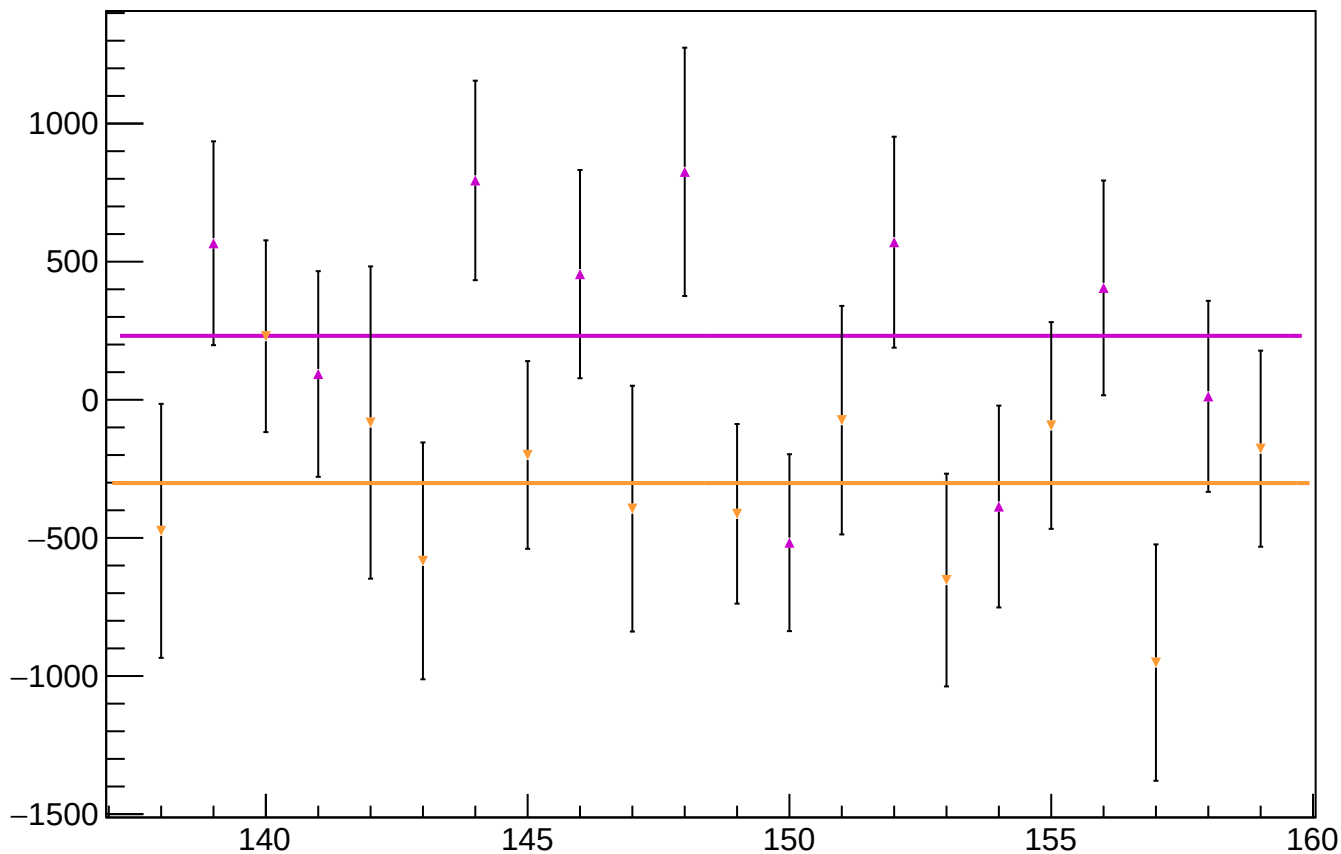
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 65.703+/-0.016 χ^2/NDF :35319.6/9

Out: 65.507+/-0.016 χ^2/NDF :105158.5/11

All: 65.601+/-0.011 χ^2/NDF : 140553.7/21

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -301.497+/-113.310 χ^2/NDF : 7.2/11

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

Left In: 231.524+/-116.802 χ^2/NDF : 15.2/9

Left: -43.072+/-81.329 χ^2/NDF : 33.1/21

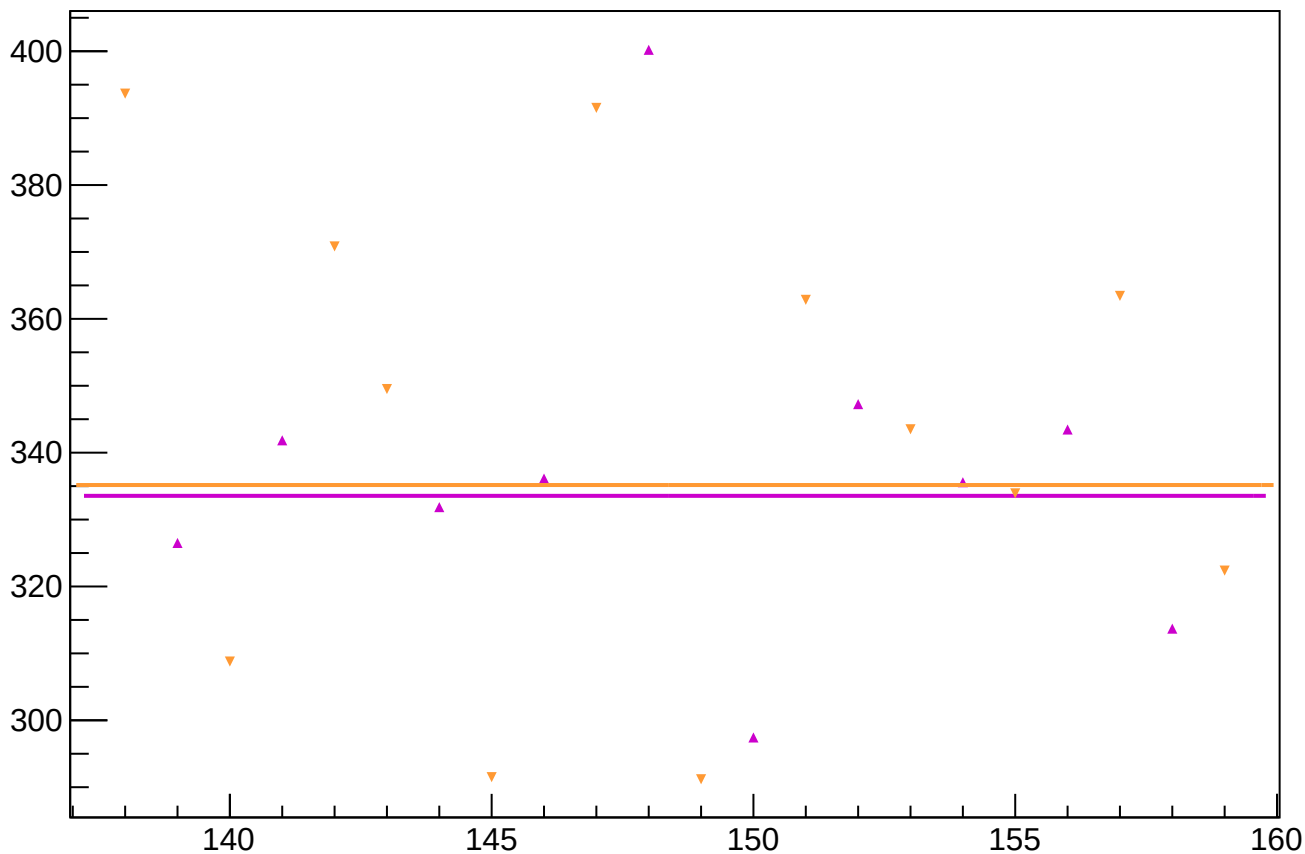
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 231.524+/-116.802 χ^2/NDF : 15.2/9

Out: -301.497+/-113.310 χ^2/NDF : 7.2/11

All: -43.072+/-81.329 χ^2/NDF : 33.1/21

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 335.163+/-0.080 χ^2/NDF :177051.1/11

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

Left In: 333.548+/-0.083 χ^2/NDF :81829.6/9

Left: 334.380+/-0.058 χ^2/NDF : 259077.8/21

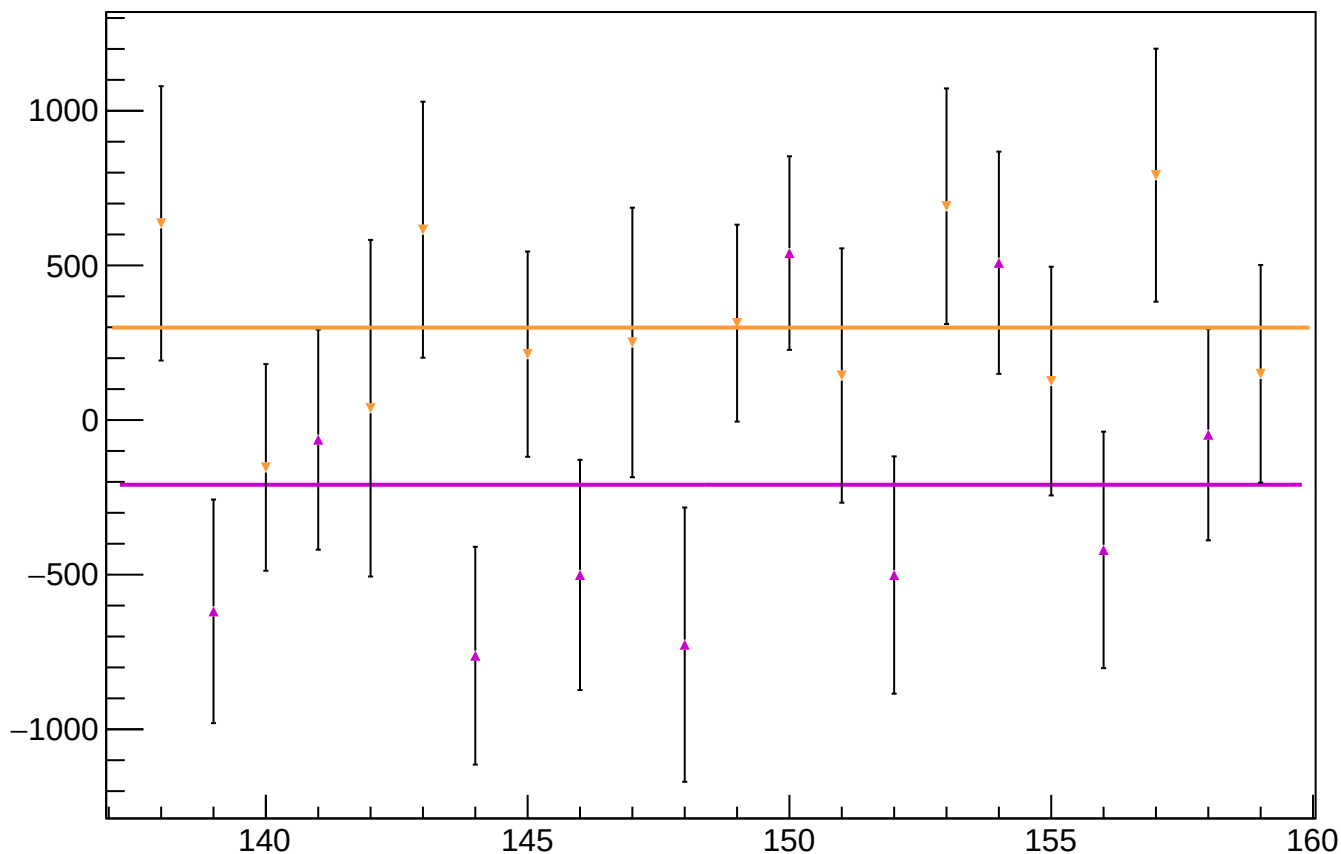
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 333.548+/-0.083 χ^2/NDF :81829.6/9

Out: 335.163+/-0.080 χ^2/NDF :177051.1/11

All: 334.380+/-0.058 χ^2/NDF : 259077.8/21

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 298.939 ± 110.692 $\chi^2/\text{NDF}: 6.4/11$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -209.271 ± 114.663 $\chi^2/\text{NDF}: 16.7/9$

Left: 53.786 ± 79.638 $\chi^2/\text{NDF}: 33.2/21$

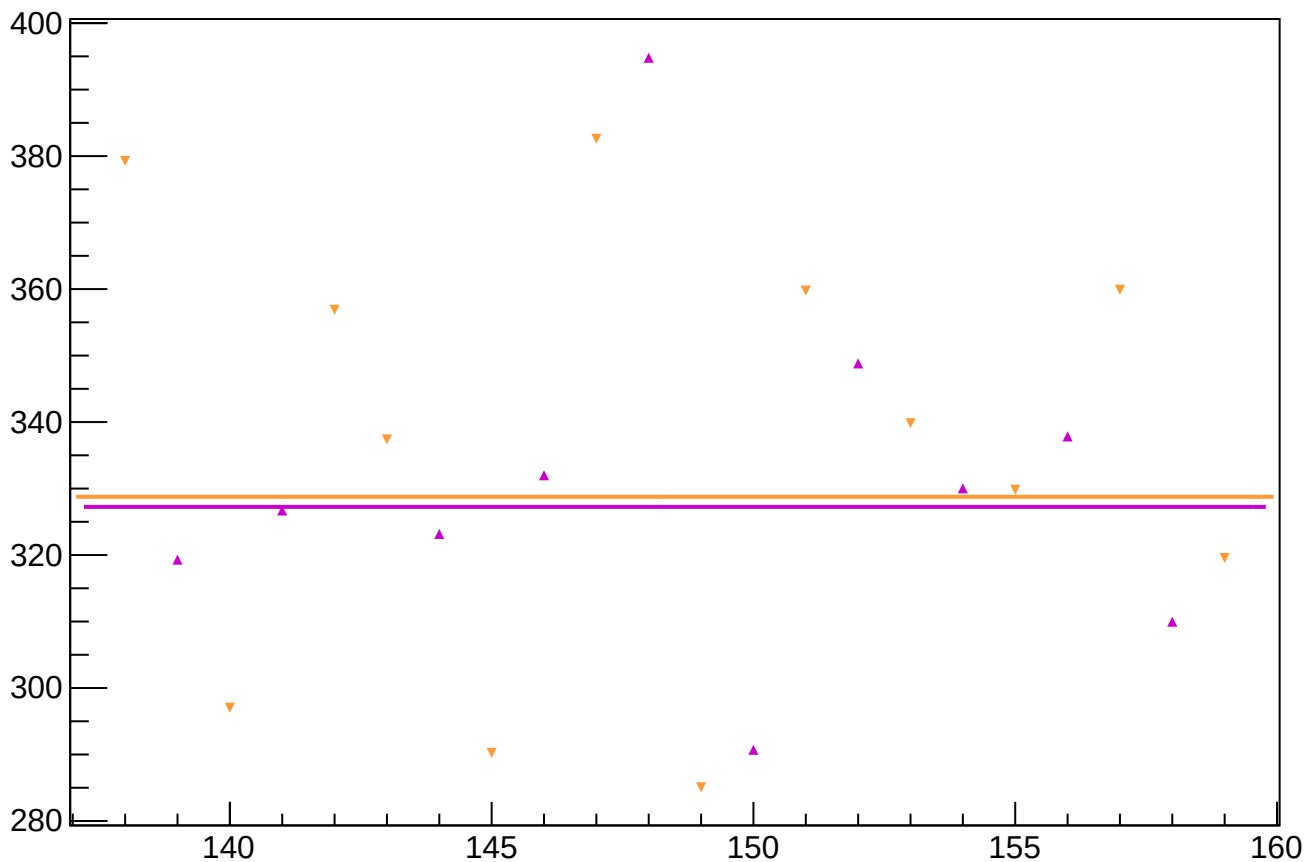
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -209.271 ± 114.663 $\chi^2/\text{NDF}: 16.7/9$

Out: 298.939 ± 110.692 $\chi^2/\text{NDF}: 6.4/11$

All: 53.786 ± 79.638 $\chi^2/\text{NDF}: 33.2/21$

asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left Out: 328.763+/-0.078 χ^2/NDF :171313.9/11

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

Left In: 327.243+/-0.081 χ^2/NDF :88293.0/9

Left: 328.030+/-0.056 χ^2/NDF : 259788.8/21

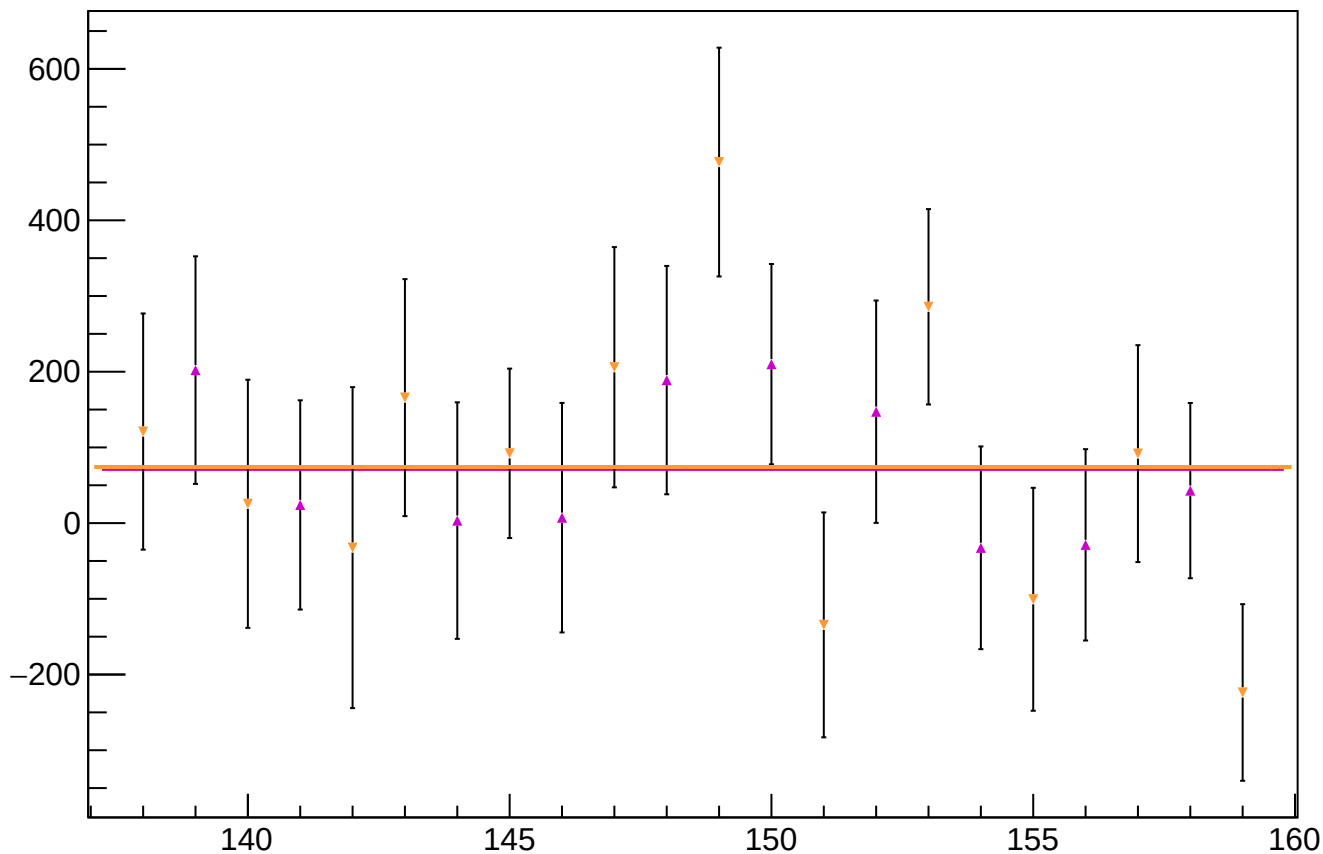
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 327.243+/-0.081 χ^2/NDF :88293.0/9

Out: 328.763+/-0.078 χ^2/NDF :171313.9/11

All: 328.030+/-0.056 χ^2/NDF : 259788.8/21

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: 74.099 $\pm$ 41.578 χ^2 /NDF:21.2/11

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

Left In: 71.629 $\pm$ 43.788 χ^2 /NDF:4.5/9

Left: 72.928 $\pm$ 30.151 χ^2 /NDF: 25.7/21

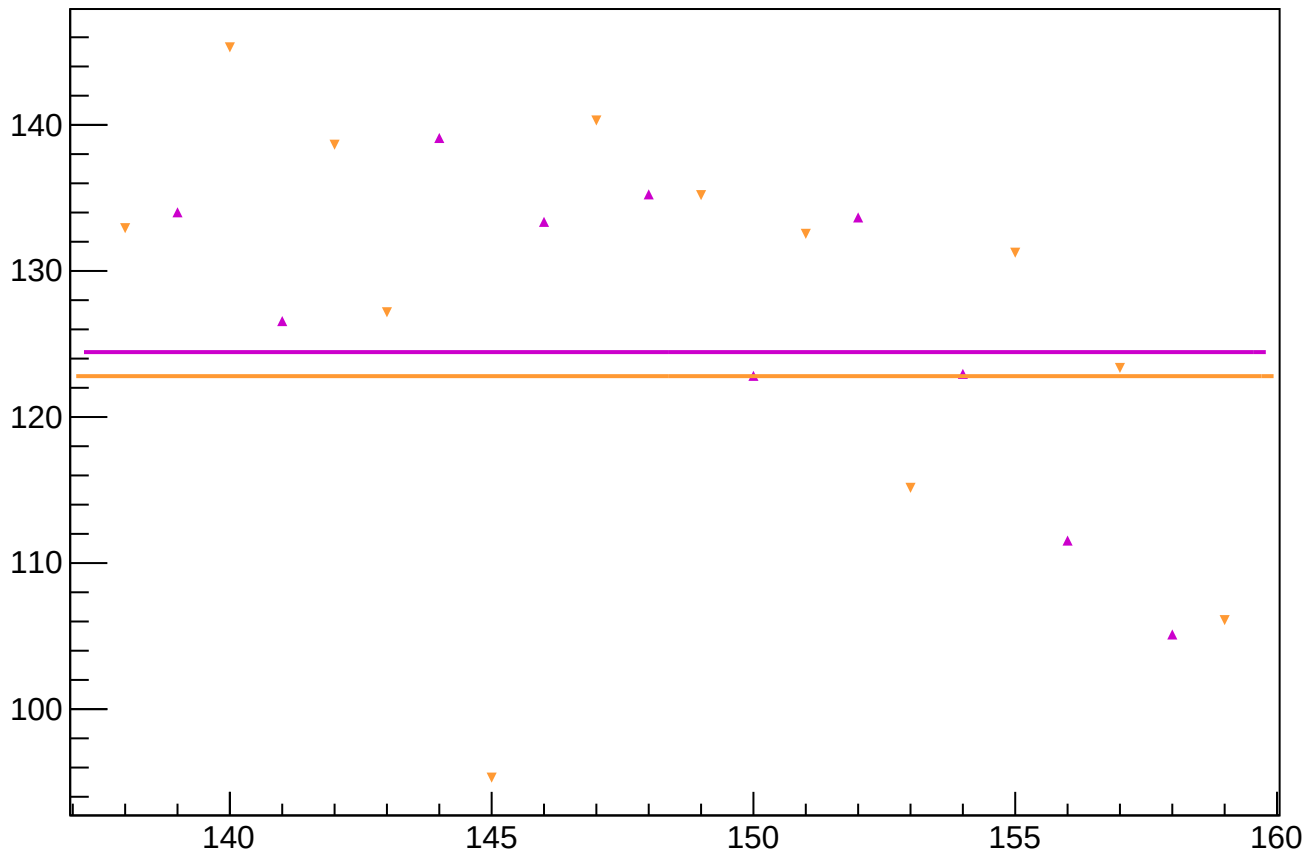
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 71.629 $\pm$ 43.788 χ^2 /NDF:4.5/9

Out: 74.099 $\pm$ 41.578 χ^2 /NDF:21.2/11

All: 72.928 $\pm$ 30.151 χ^2 /NDF: 25.7/21

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left Out: 122.798+/-0.029 χ^2/NDF :280627.5/11

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

Left In: 124.444+/-0.031 χ^2/NDF :128427.8/9

Left: 123.578+/-0.021 χ^2/NDF : 410541.7/21

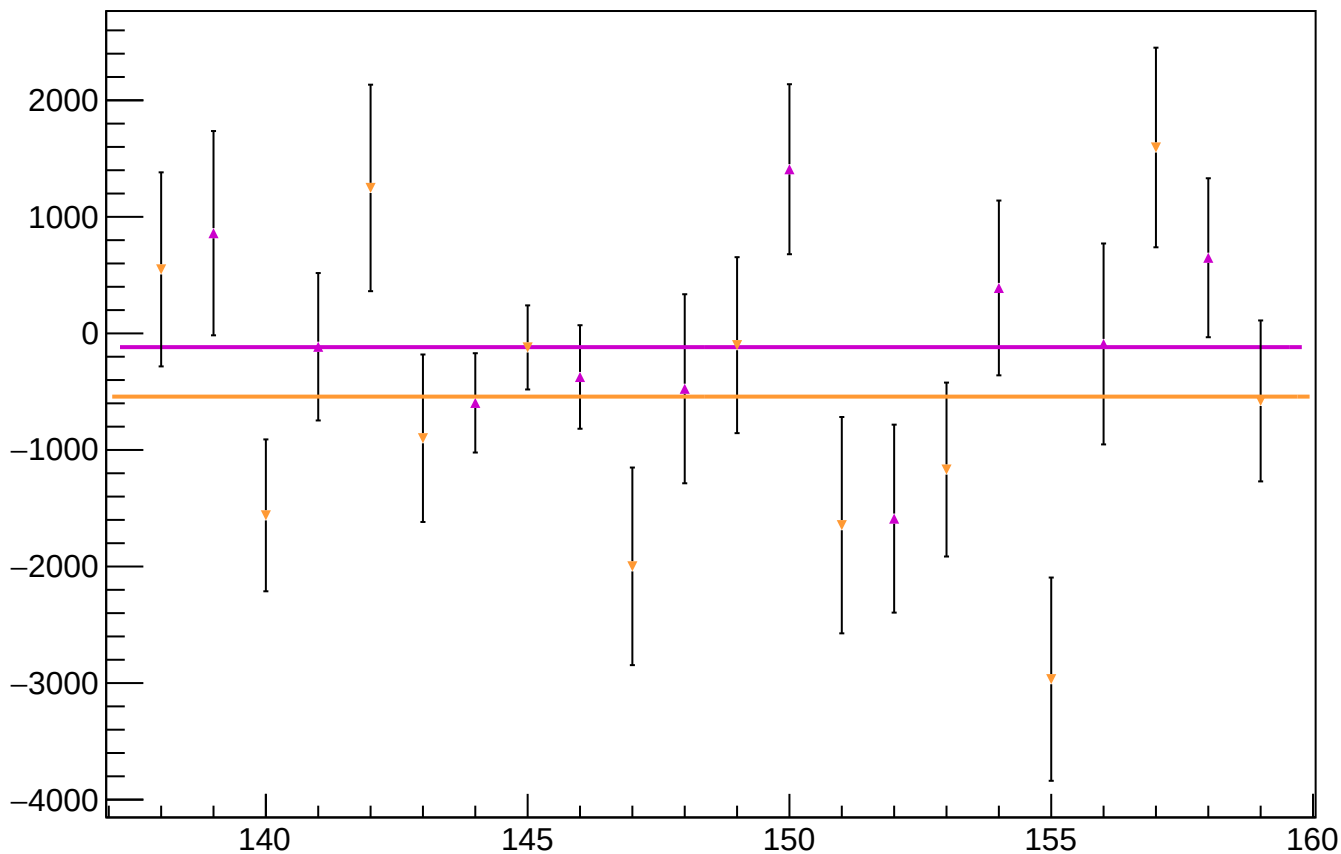
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 124.444+/-0.031 χ^2/NDF :128427.8/9

Out: 122.798+/-0.029 χ^2/NDF :280627.5/11

All: 123.578+/-0.021 χ^2/NDF : 410541.7/21

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -542.271+/-197.738 χ^2/NDF :29.2/11

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

Left In: -117.726+/-201.642 χ^2/NDF :12.5/9

Left: -334.147+/-141.182 χ^2/NDF : 44.0/21

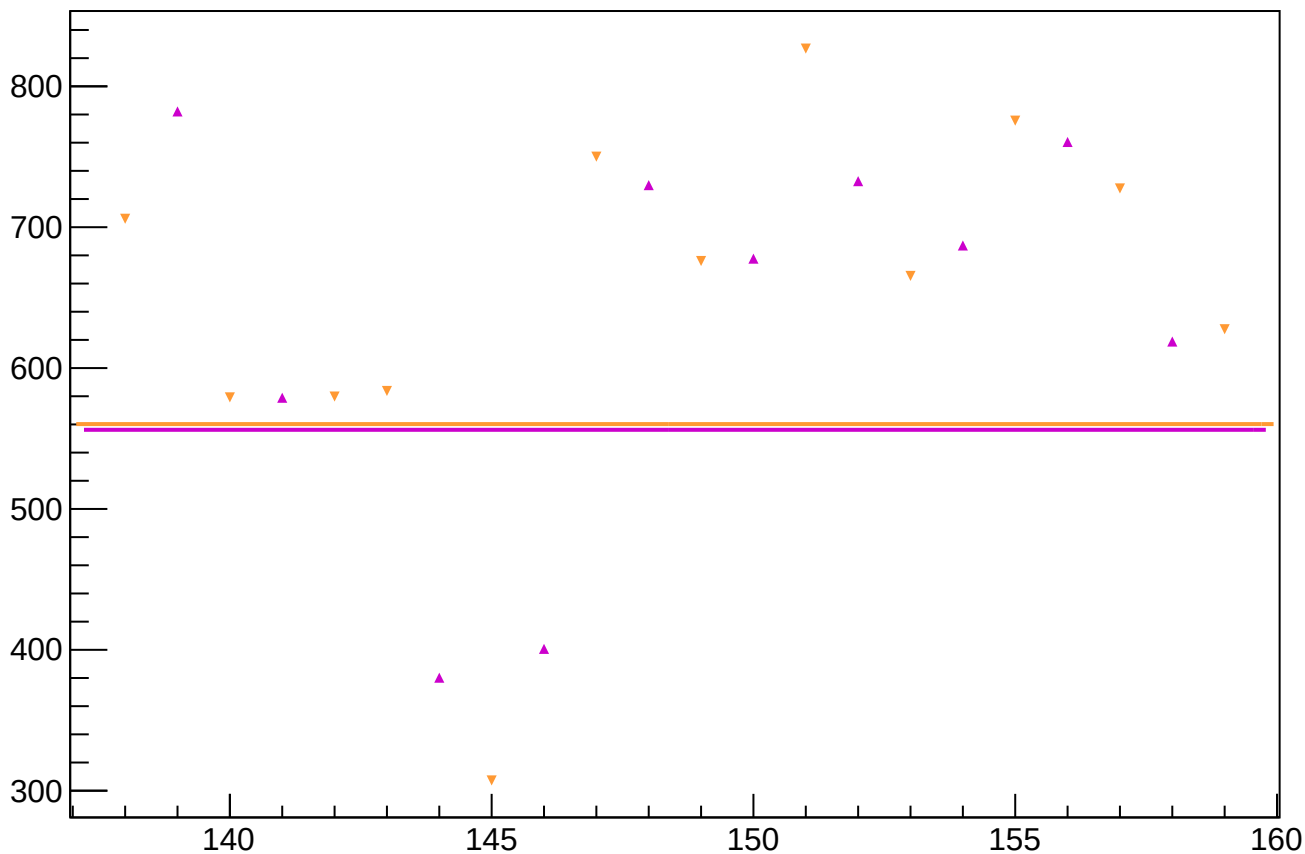
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -117.726+/-201.642 χ^2/NDF :12.5/9

Out: -542.271+/-197.738 χ^2/NDF :29.2/11

All: -334.147+/-141.182 χ^2/NDF : 44.0/21

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 560.242+/-0.140 χ^2/NDF :1618950.5/11

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

Left In: 556.185+/-0.143 χ^2/NDF :1155111.5/9

Left: 558.253+/-0.100 χ^2/NDF : 2774474.6/21

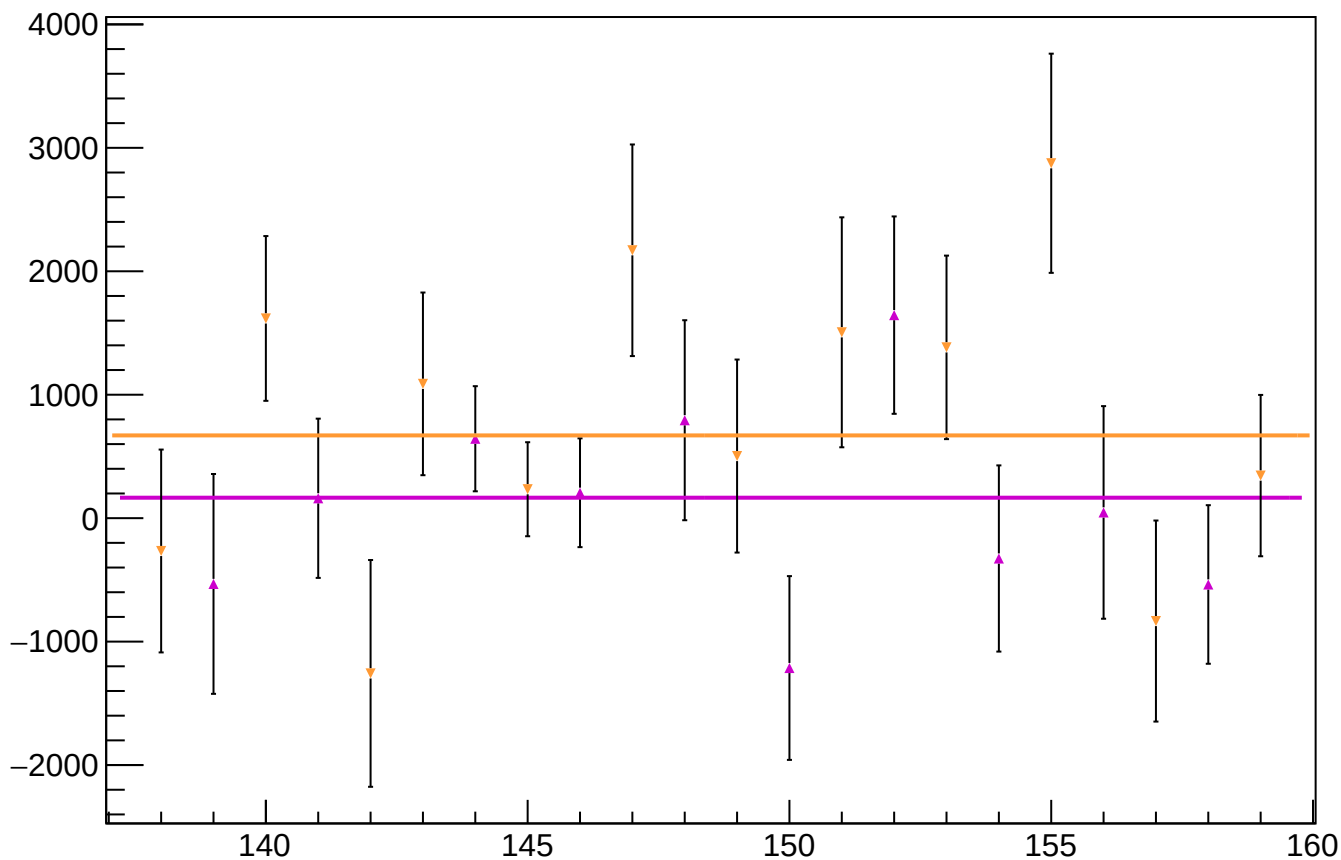
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 556.185+/-0.143 χ^2/NDF :1155111.5/9

Out: 560.242+/-0.140 χ^2/NDF :1618950.5/11

All: 558.253+/-0.100 χ^2/NDF : 2774474.6/21

asym_sam_26_avg_mean vs Slug, Sign Corrected



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

Left Out: 670.419+/-201.160 χ^2/NDF :24.0/11

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

Left In: 165.756+/-200.989 χ^2/NDF :11.0/9

Left: 417.873+/-142.181 χ^2/NDF : 38.1/21

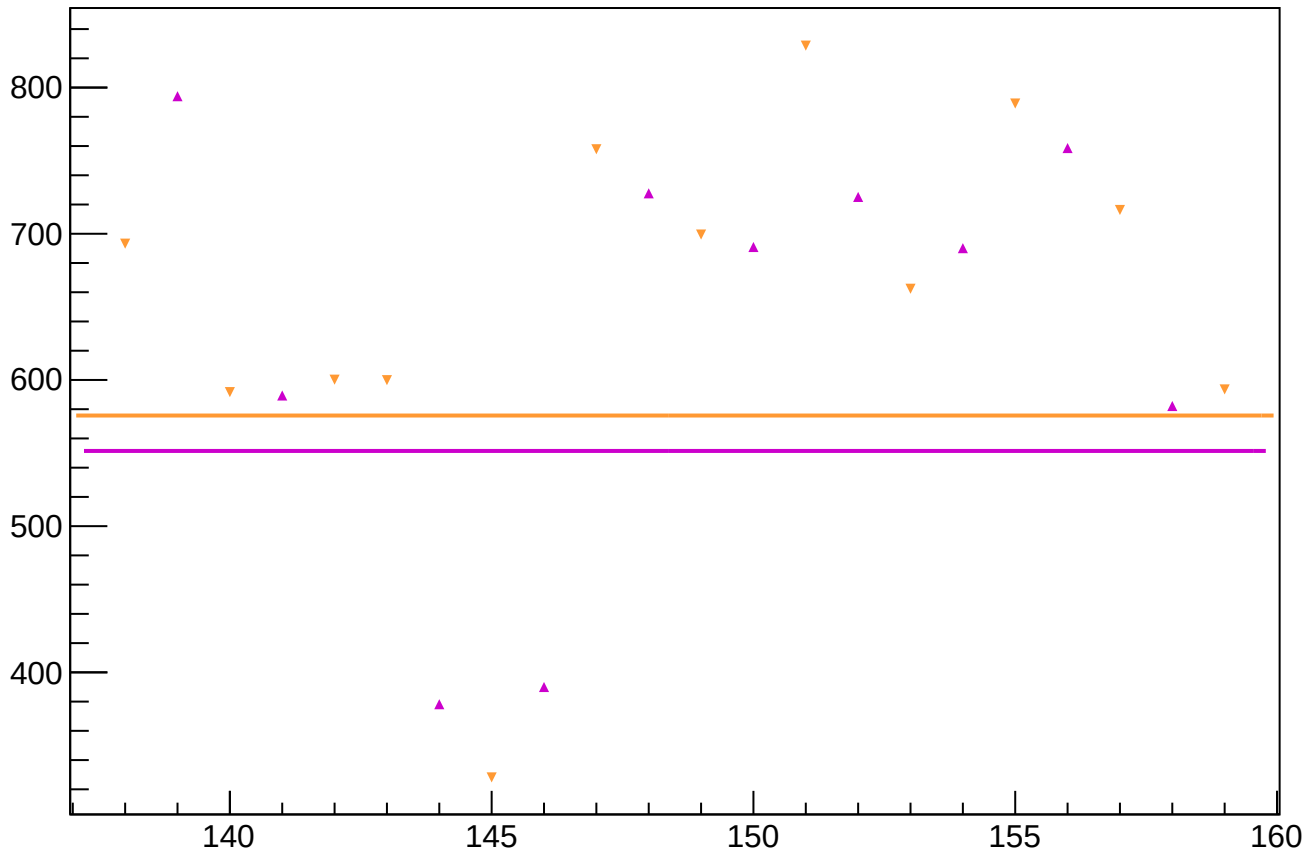
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 165.756+/-200.989 χ^2/NDF :11.0/9

Out: 670.419+/-201.160 χ^2/NDF :24.0/11

All: 417.873+/-142.181 χ^2/NDF : 38.1/21

asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left Out: 575.676+/-0.142 χ^2/NDF :1382578.8/11

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

Left In: 551.447+/-0.142 χ^2/NDF :1202338.6/9

Left: 563.551+/-0.101 χ^2/NDF : 2599437.0/21

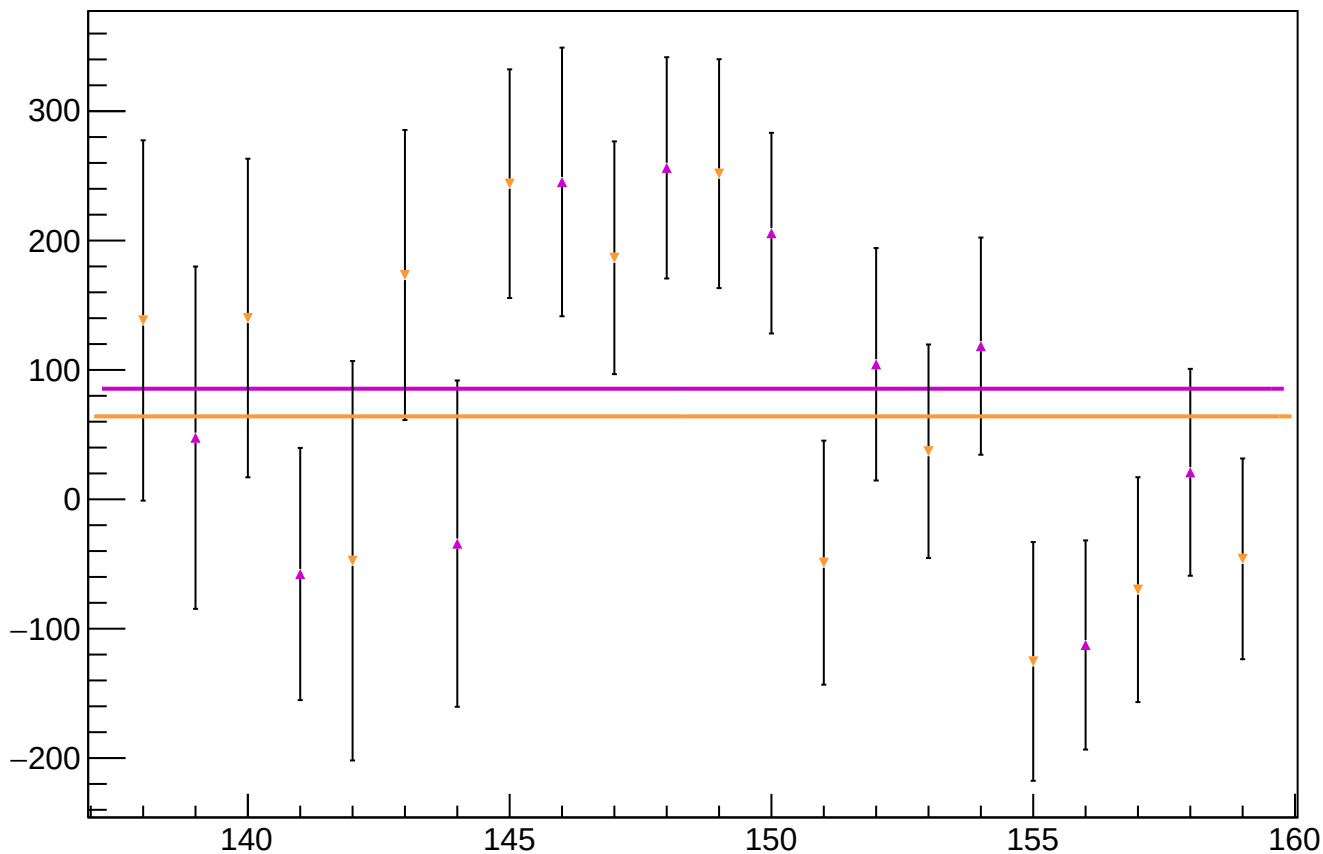
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 551.447+/-0.142 χ^2/NDF :1202338.6/9

Out: 575.676+/-0.142 χ^2/NDF :1382578.8/11

All: 563.551+/-0.101 χ^2/NDF : 2599437.0/21

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: 64.131 $\pm$ 27.801 χ^2 /NDF:22.8/11

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

Left In: 85.486 $\pm$ 28.910 χ^2 /NDF:18.8/9

Left: 74.391 $\pm$ 20.039 χ^2 /NDF: 41.8/21

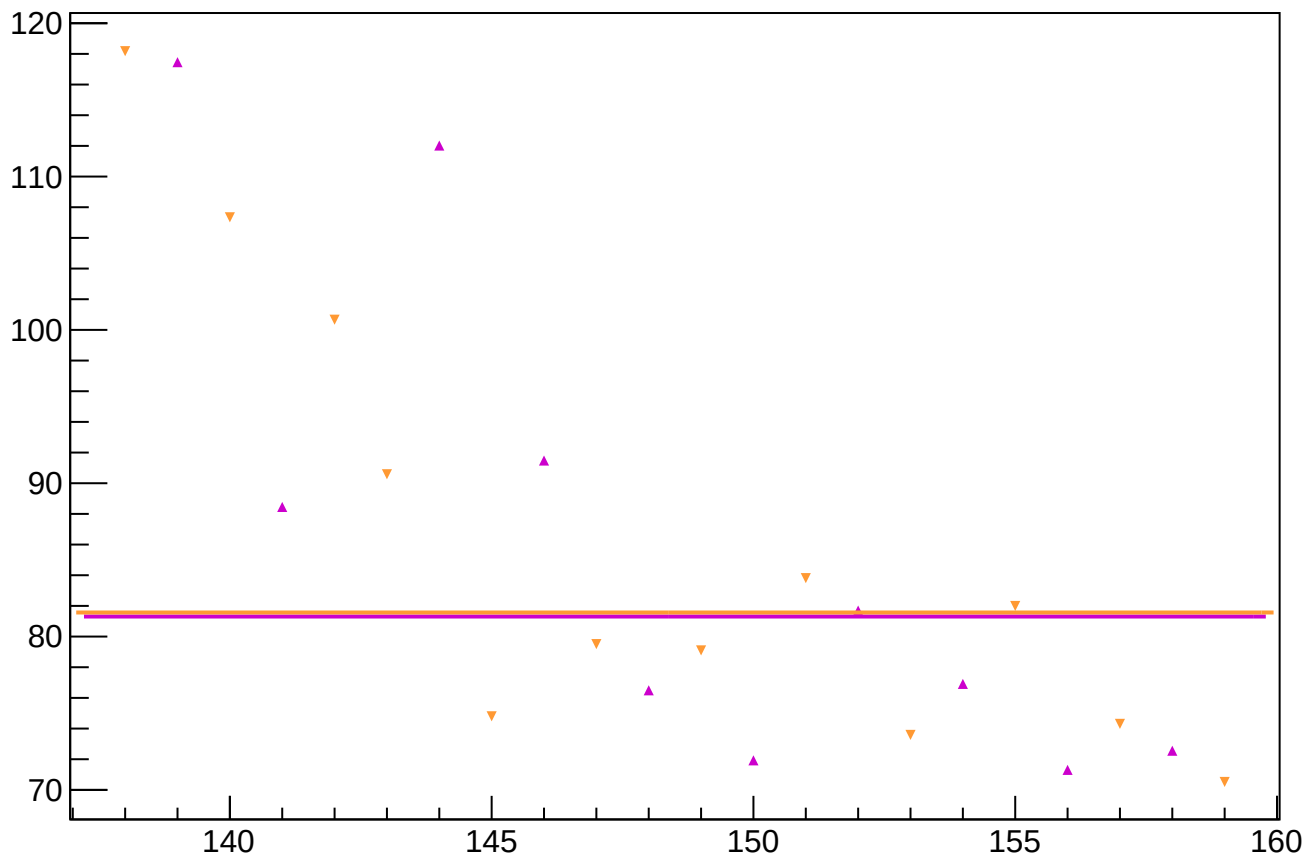
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 85.486 $\pm$ 28.910 χ^2 /NDF:18.8/9

Out: 64.131 $\pm$ 27.801 χ^2 /NDF:22.8/11

All: 74.391 $\pm$ 20.039 χ^2 /NDF: 41.8/21

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



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

Left Out: 81.570+/-0.020 χ^2/NDF :358192.4/11

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

Left In: 81.307+/-0.020 χ^2/NDF :393658.3/9

Left: 81.444+/-0.014 χ^2/NDF : 751936.6/21

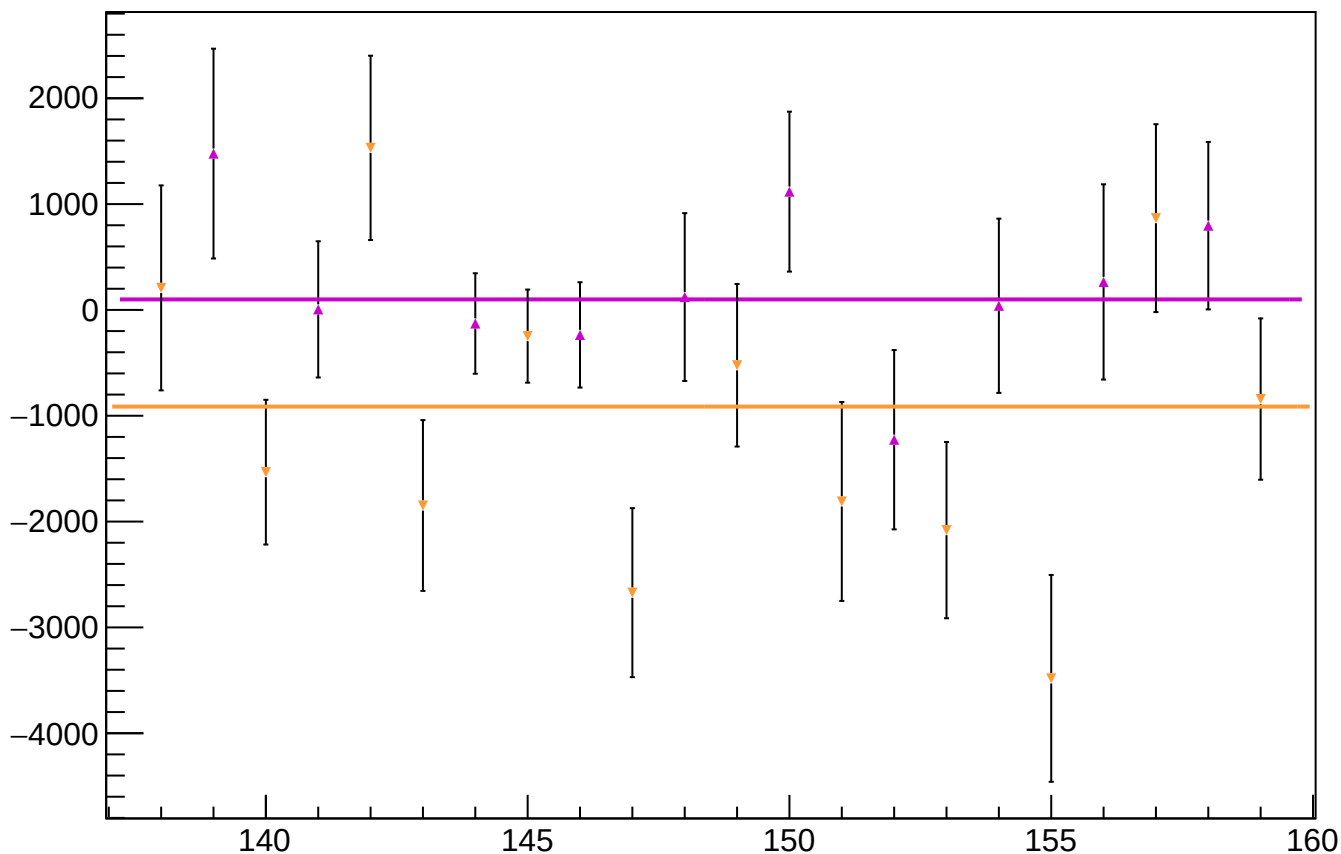
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 81.307+/-0.020 χ^2/NDF :393658.3/9

Out: 81.570+/-0.020 χ^2/NDF :358192.4/11

All: 81.444+/-0.014 χ^2/NDF : 751936.6/21

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -913.381+/-217.696 χ^2/NDF :32.6/11

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

Left In: 99.376+/-218.794 χ^2/NDF :7.7/9

Left: -409.550+/-154.321 χ^2/NDF : 51.1/21

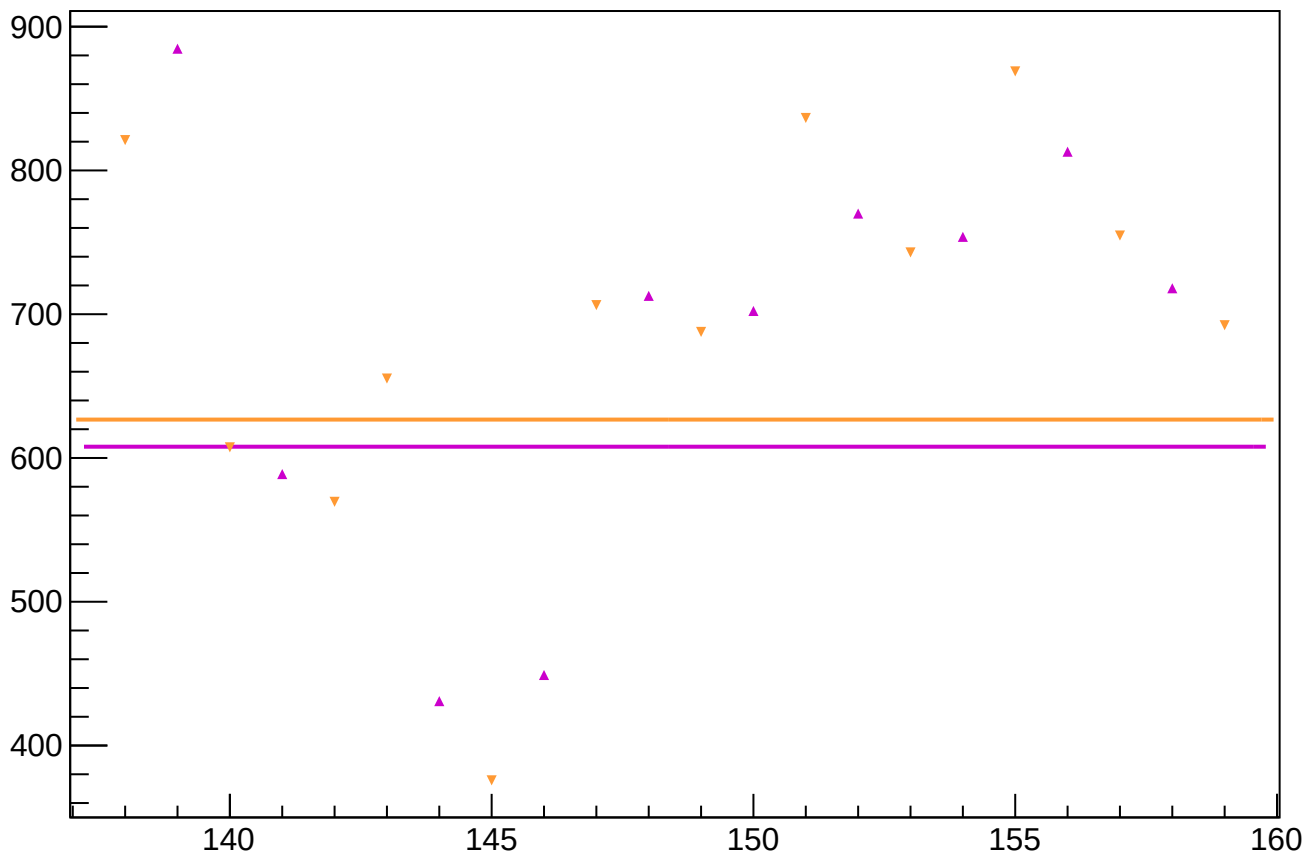
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 99.376+/-218.794 χ^2/NDF :7.7/9

Out: -913.381+/-217.696 χ^2/NDF :32.6/11

All: -409.550+/-154.321 χ^2/NDF : 51.1/21

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 626.709+/-0.154 χ^2/NDF :1094333.0/11

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

Left In: 607.845+/-0.155 χ^2/NDF :979447.8/9

Left: 617.324+/-0.109 χ^2/NDF : 2081251.9/21

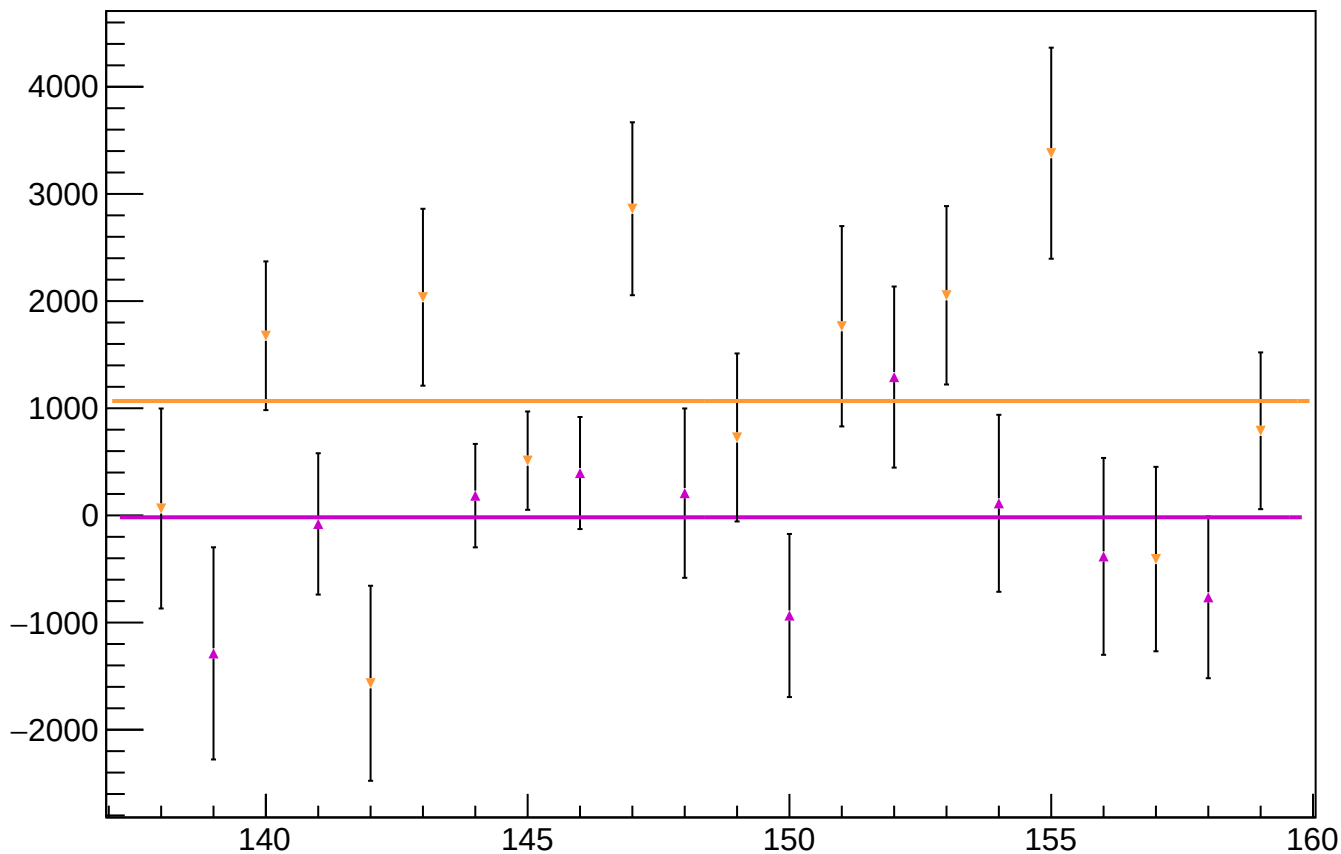
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 607.845+/-0.155 χ^2/NDF :979447.8/9

Out: 626.709+/-0.154 χ^2/NDF :1094333.0/11

All: 617.324+/-0.109 χ^2/NDF : 2081251.9/21

asym_sam_37_avg_mean vs Slug, Sign Corrected



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

Left Out: 1067.901+/-220.057 χ^2/NDF :28.8/11

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

Left In: -17.539+/-221.395 χ^2/NDF :7.5/9

Left: 528.472+/-156.075 χ^2/NDF : 48.5/21

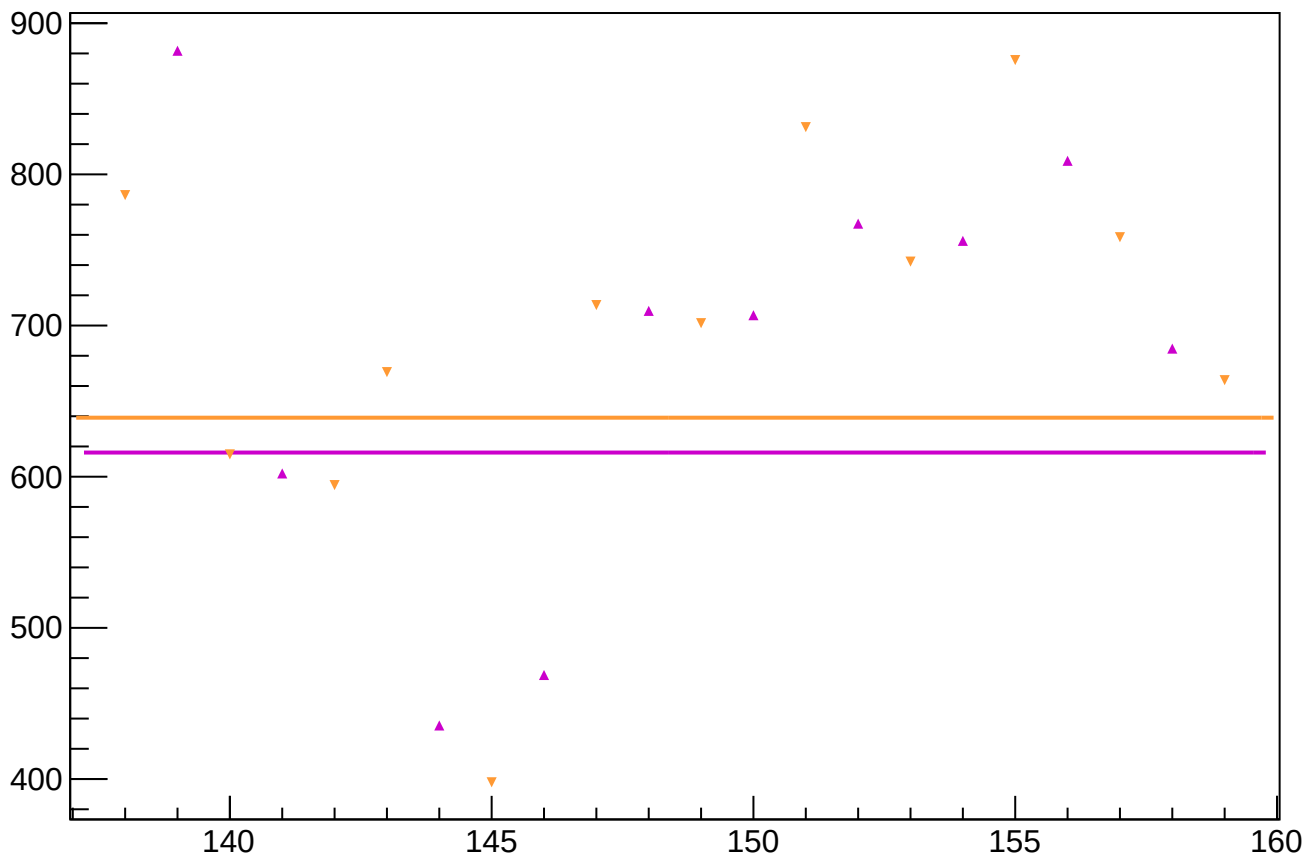
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.539+/-221.395 χ^2/NDF :7.5/9

Out: 1067.901+/-220.057 χ^2/NDF :28.8/11

All: 528.472+/-156.075 χ^2/NDF : 48.5/21

asym_sam_37_avg_rms vs Slug, Sign Corrected



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

Left Out: 639.042+/-0.156 χ^2/NDF :913600.0/11

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

Left In: 615.978+/-0.157 χ^2/NDF :866459.4/9

Left: 627.580+/-0.110 χ^2/NDF : 1790977.5/21

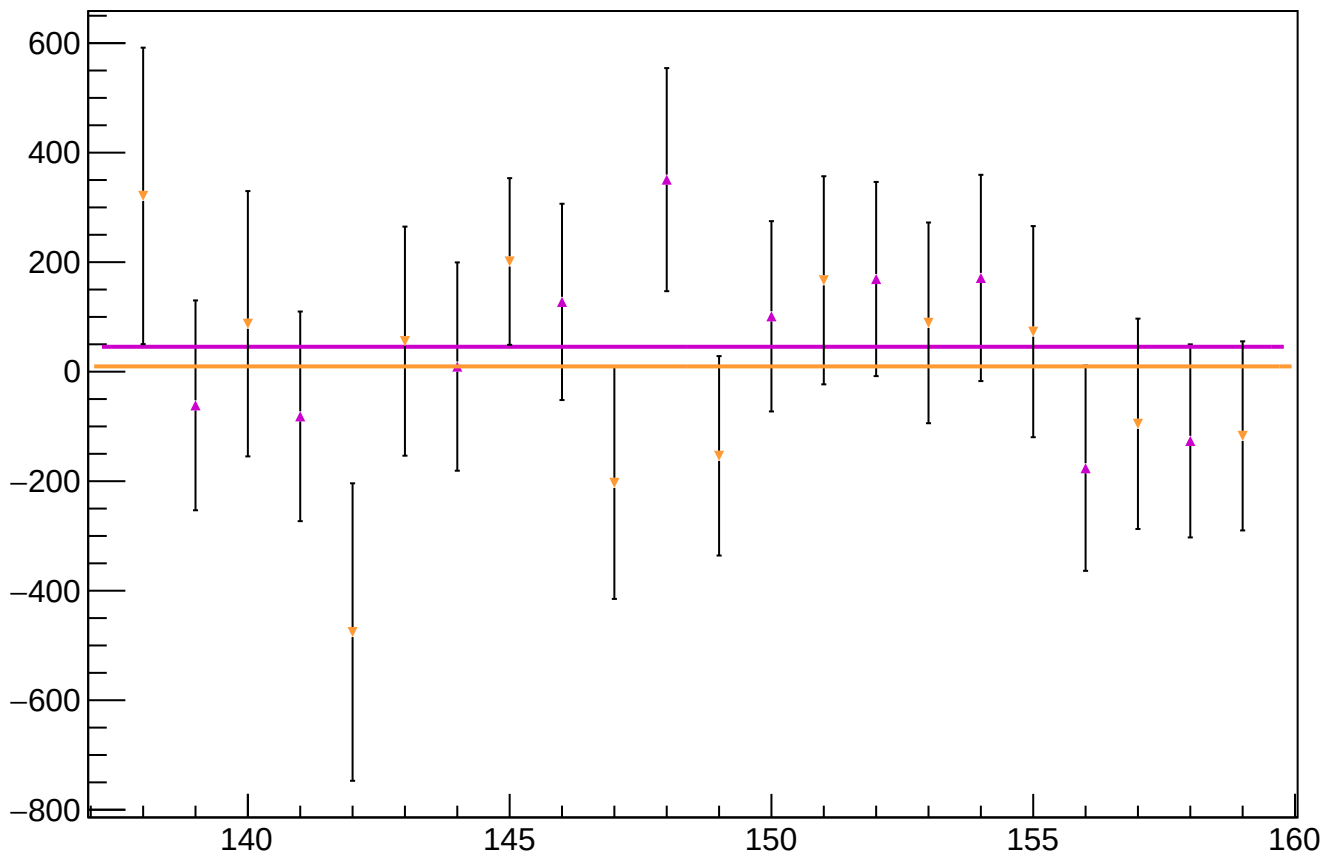
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 615.978+/-0.157 χ^2/NDF :866459.4/9

Out: 639.042+/-0.156 χ^2/NDF :913600.0/11

All: 627.580+/-0.110 χ^2/NDF : 1790977.5/21

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: 9.632 $\pm$ 57.010 χ^2 /NDF:9.9/11

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

Left In: 45.486 $\pm$ 58.606 χ^2 /NDF:6.6/9

Left: 27.064 $\pm$ 40.865 χ^2 /NDF: 16.7/21

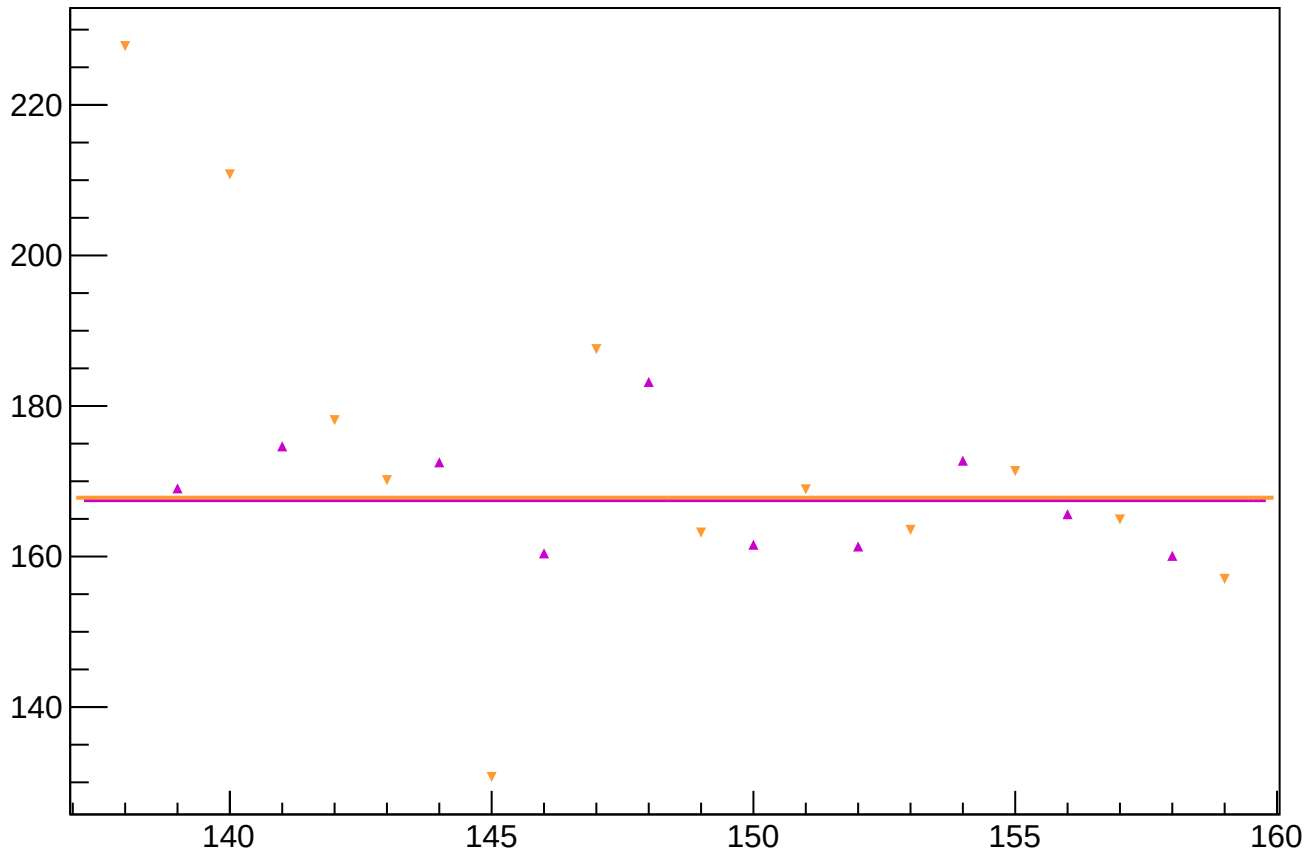
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 45.486 $\pm$ 58.606 χ^2 /NDF:6.6/9

Out: 9.632 $\pm$ 57.010 χ^2 /NDF:9.9/11

All: 27.064 $\pm$ 40.865 χ^2 /NDF: 16.7/21

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left Out: 167.815+/-0.040 χ^2/NDF :311840.7/11

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

Left In: 167.492+/-0.041 χ^2/NDF :29312.1/9

Left: 167.658+/-0.029 χ^2/NDF : 341184.2/21

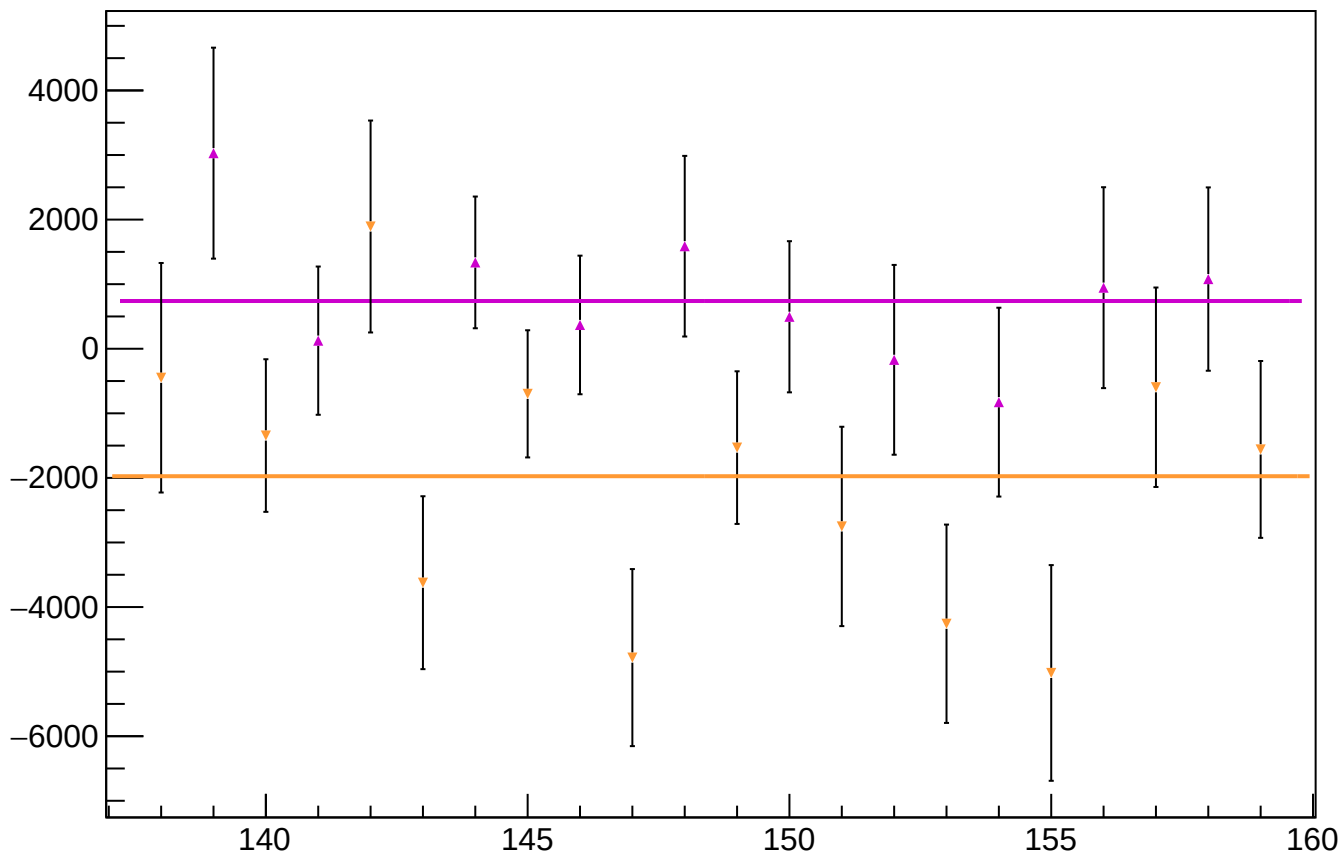
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 167.492+/-0.041 χ^2/NDF :29312.1/9

Out: 167.815+/-0.040 χ^2/NDF :311840.7/11

All: 167.658+/-0.029 χ^2/NDF : 341184.2/21

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1973.959+/-395.400 χ^2/NDF :20.8/11

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

Left In: 739.258+/-406.726 χ^2/NDF :4.7/9

Left: -655.653+/-283.509 χ^2/NDF : 48.4/21

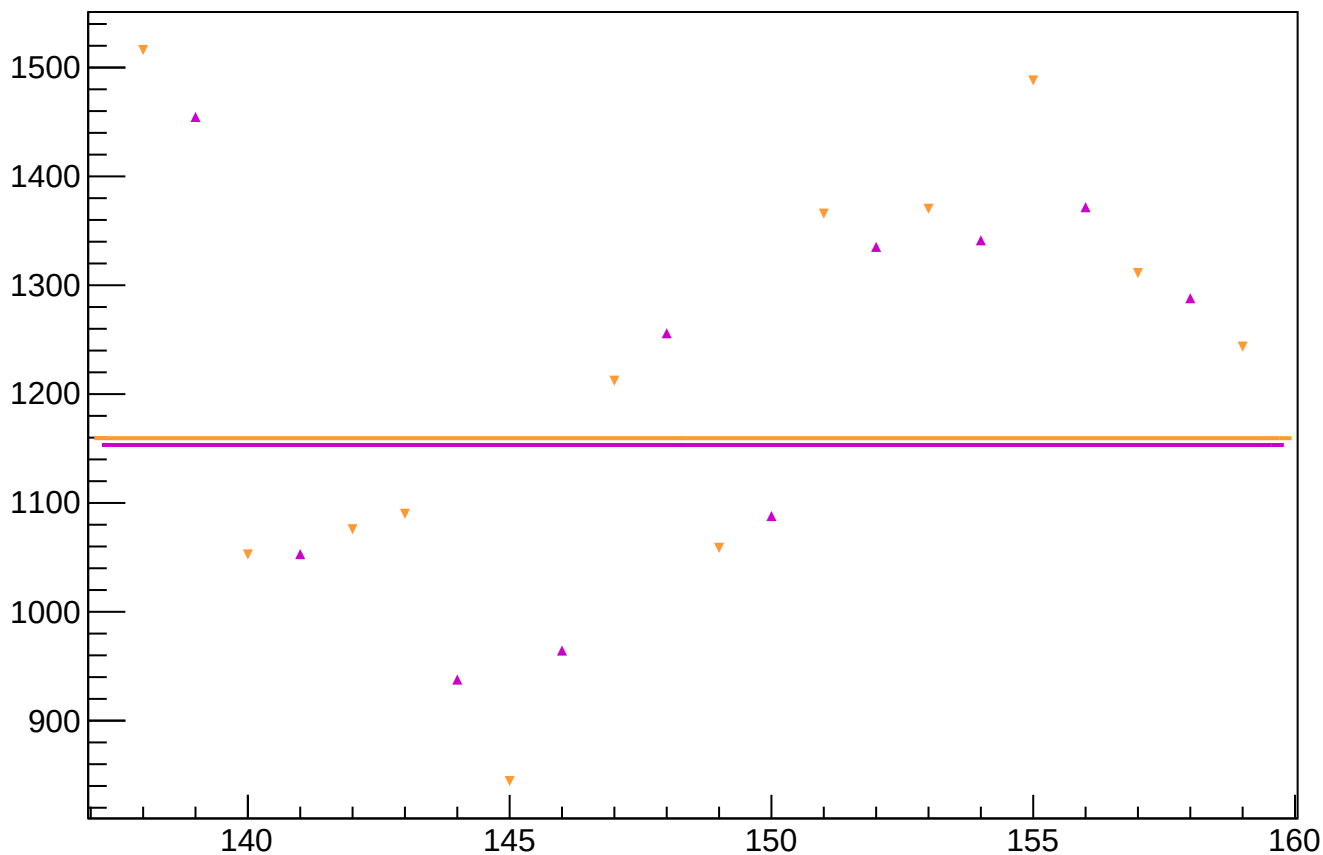
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 739.258+/-406.726 χ^2/NDF :4.7/9

Out: -1973.959+/-395.400 χ^2/NDF :20.8/11

All: -655.653+/-283.509 χ^2/NDF : 48.4/21

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1159.484+/-0.280 χ^2/NDF : 507253.1/11

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

Left In: 1153.251+/-0.288 χ^2/NDF : 372769.0/9

Left: 1156.456+/-0.200 χ^2/NDF : 880263.6/21

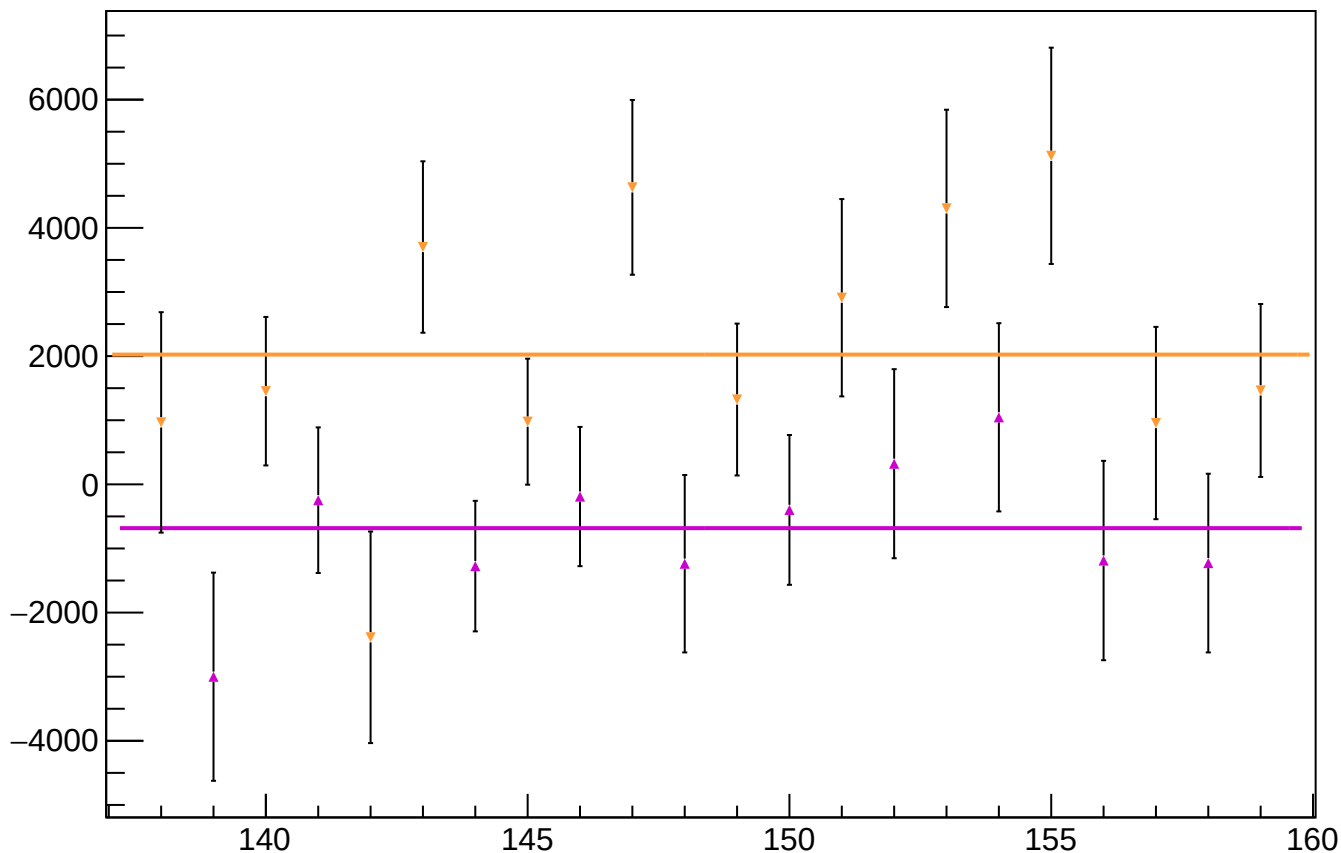
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1153.251+/-0.288 χ^2/NDF : 372769.0/9

Out: 1159.484+/-0.280 χ^2/NDF : 507253.1/11

All: 1156.456+/-0.200 χ^2/NDF : 880263.6/21

asym_sam_48_avg_mean vs Slug, Sign Corrected



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

Left Out: 2023.937+/-392.581 χ^2/NDF :21.1/11

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

Left In: -683.052+/-405.674 χ^2/NDF :5.1/9

Left: 714.831+/-282.112 χ^2/NDF : 49.1/21

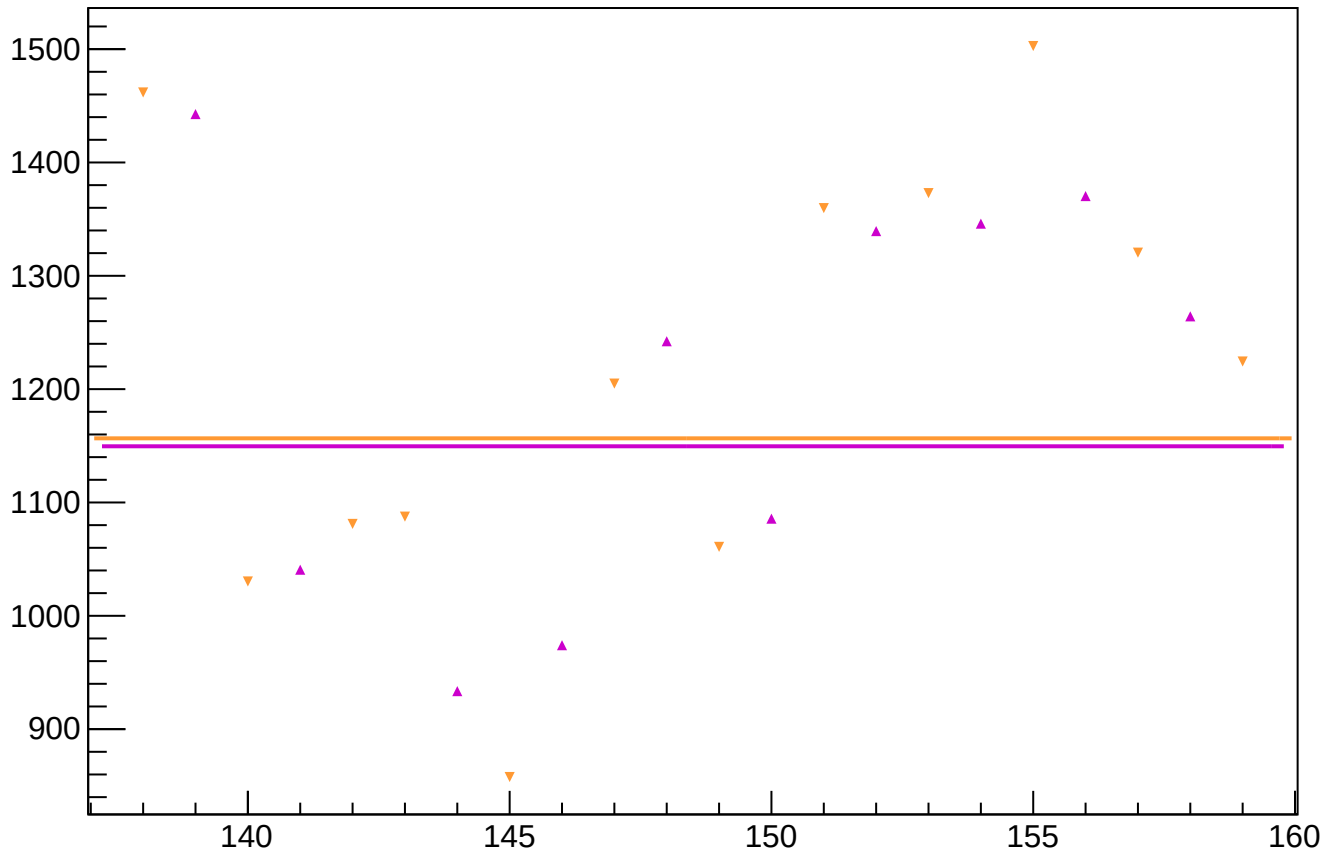
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -683.052+/-405.674 χ^2/NDF :5.1/9

Out: 2023.937+/-392.581 χ^2/NDF :21.1/11

All: 714.831+/-282.112 χ^2/NDF : 49.1/21

asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left Out: 1156.590+/-0.278 χ^2/NDF : 484401.0/11

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

Left In: 1149.574+/-0.287 χ^2/NDF : 363772.3/9

Left: 1153.197+/-0.199 χ^2/NDF : 848482.3/21

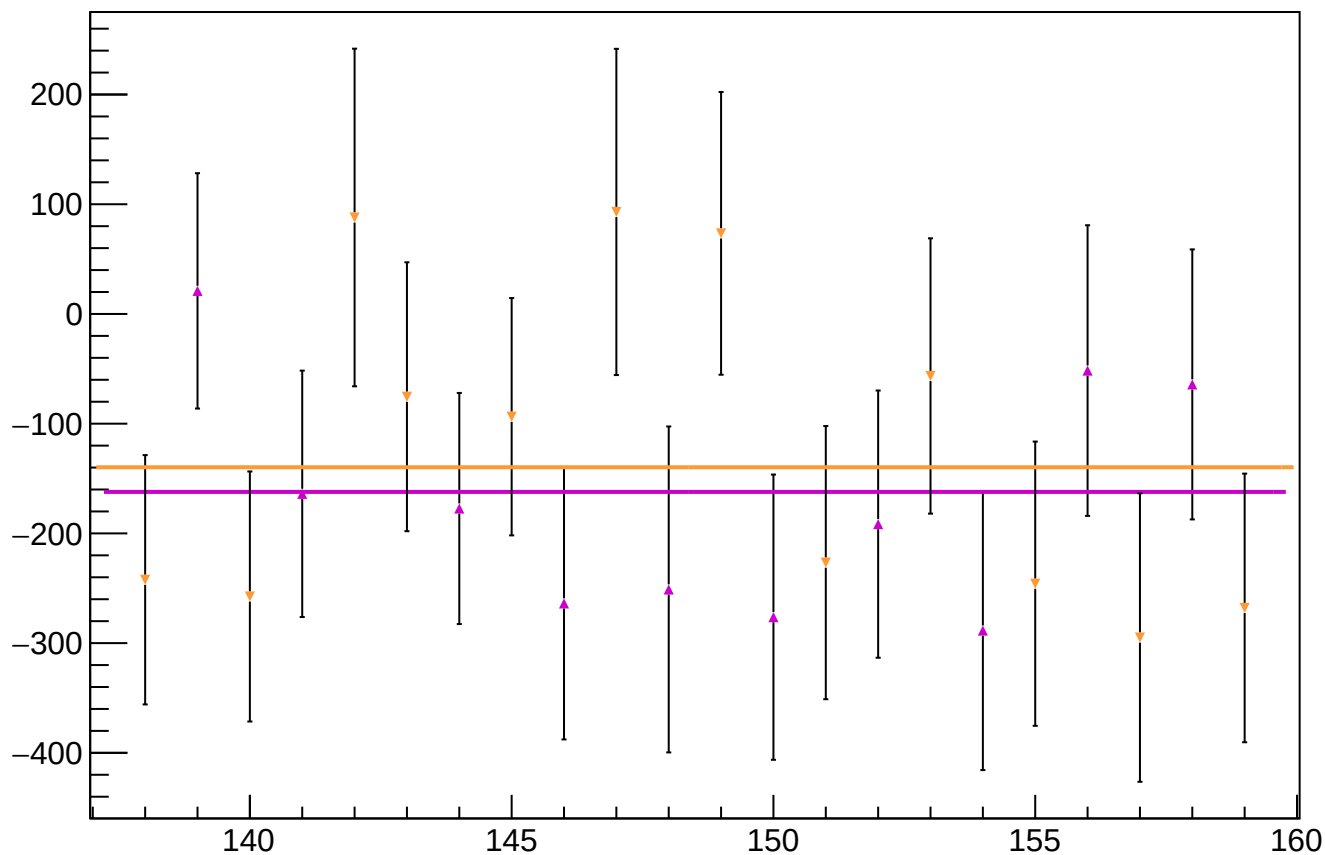
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1149.574+/-0.287 χ^2/NDF : 363772.3/9

Out: 1156.590+/-0.278 χ^2/NDF : 484401.0/11

All: 1153.197+/-0.199 χ^2/NDF : 848482.3/21

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



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

Left Out: -139.713+/-36.119 χ^2/NDF :13.8/11

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

Left In: -162.183+/-38.397 χ^2/NDF :7.1/9

Left: -150.261+/-26.308 χ^2/NDF : 21.1/21

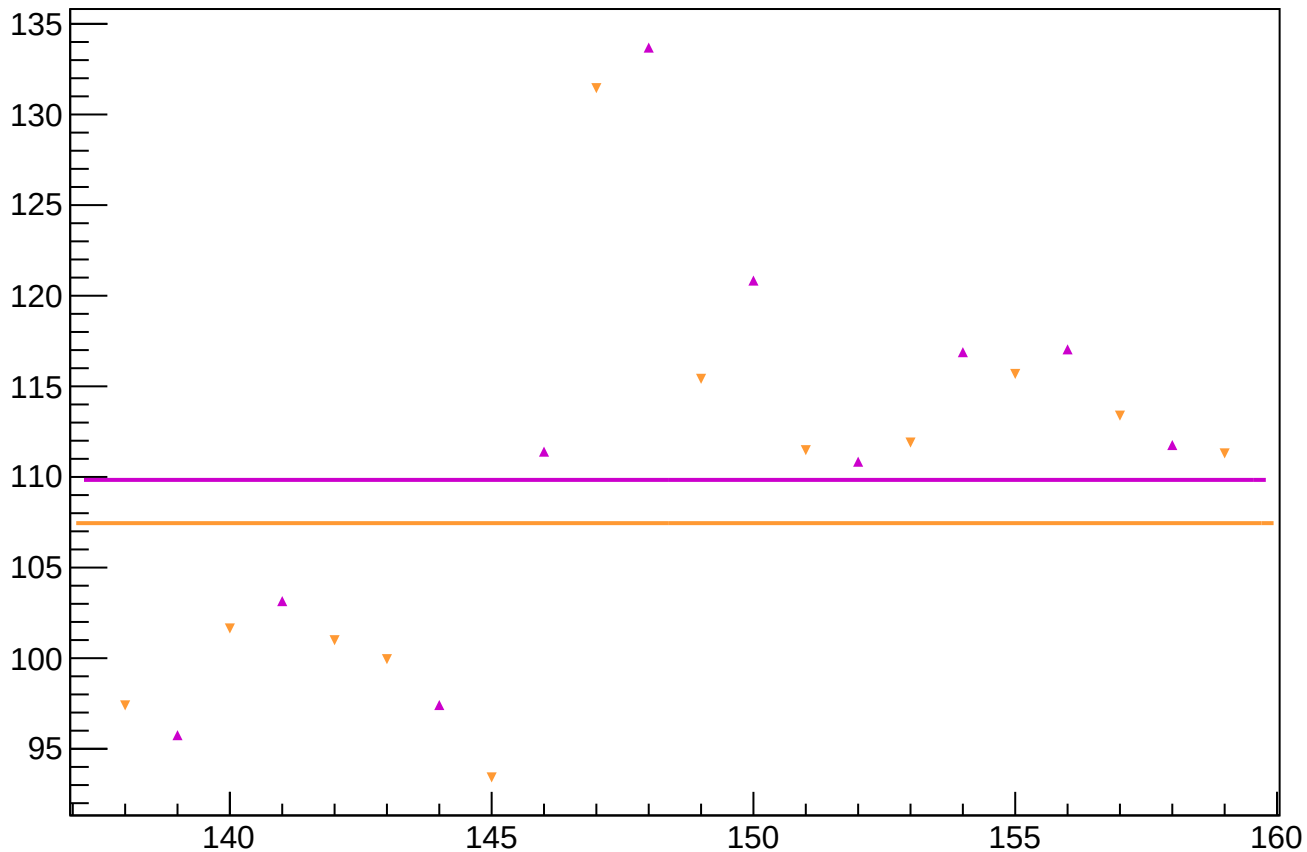
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -162.183+/-38.397 χ^2/NDF :7.1/9

Out: -139.713+/-36.119 χ^2/NDF :13.8/11

All: -150.261+/-26.308 χ^2/NDF : 21.1/21

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



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

Left Out: 107.452+/-0.026 χ^2/NDF :144050.0/11

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

Left In: 109.838+/-0.027 χ^2/NDF :148301.0/9

Left: 108.572+/-0.019 χ^2/NDF : 296449.7/21

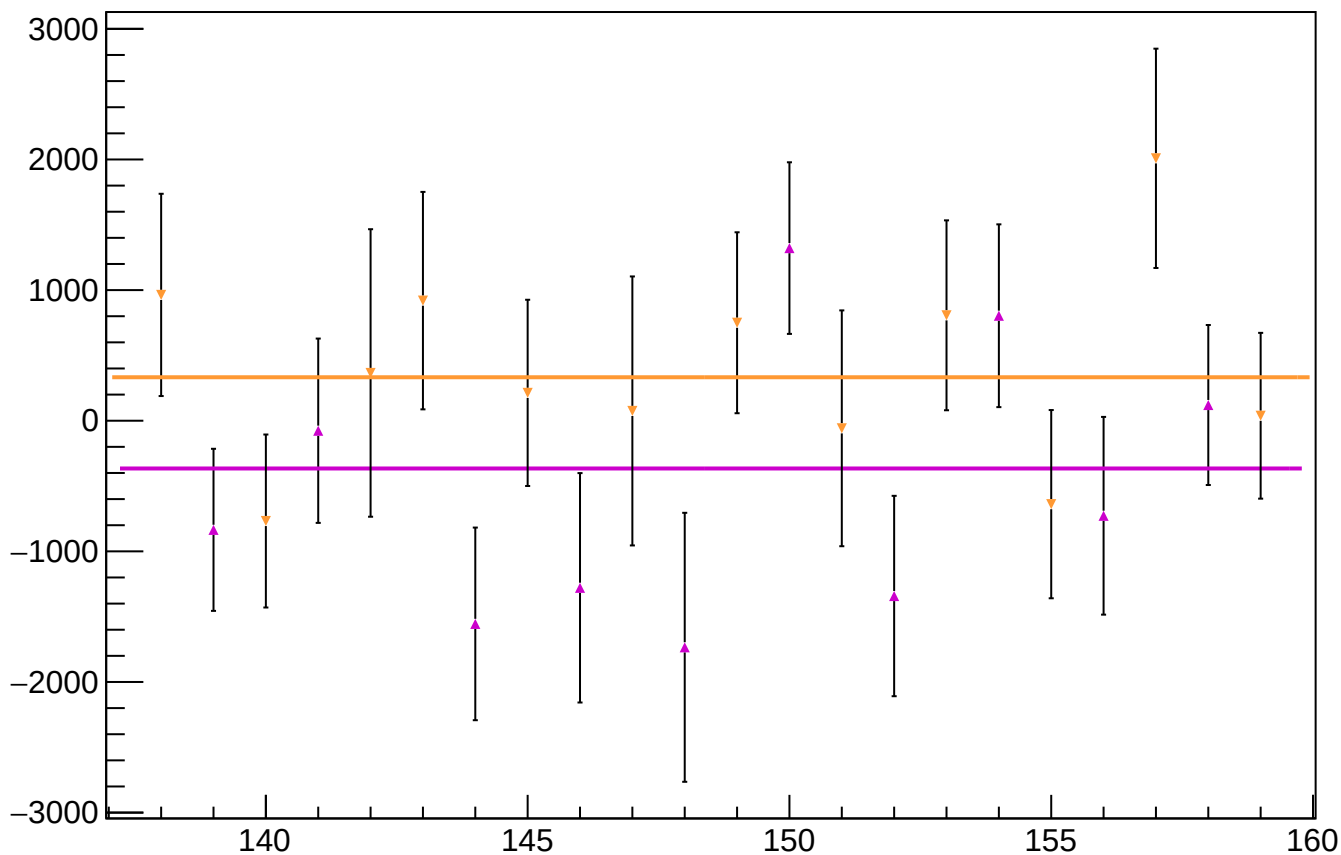
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 109.838+/-0.027 χ^2/NDF :148301.0/9

Out: 107.452+/-0.026 χ^2/NDF :144050.0/11

All: 108.572+/-0.019 χ^2/NDF : 296449.7/21

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 332.749+/-222.705 χ^2/NDF : 11.0/11

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

Left In: -365.659+/-228.468 χ^2/NDF : 18.1/9

Left: -7.536+/-159.474 χ^2/NDF : 33.9/21

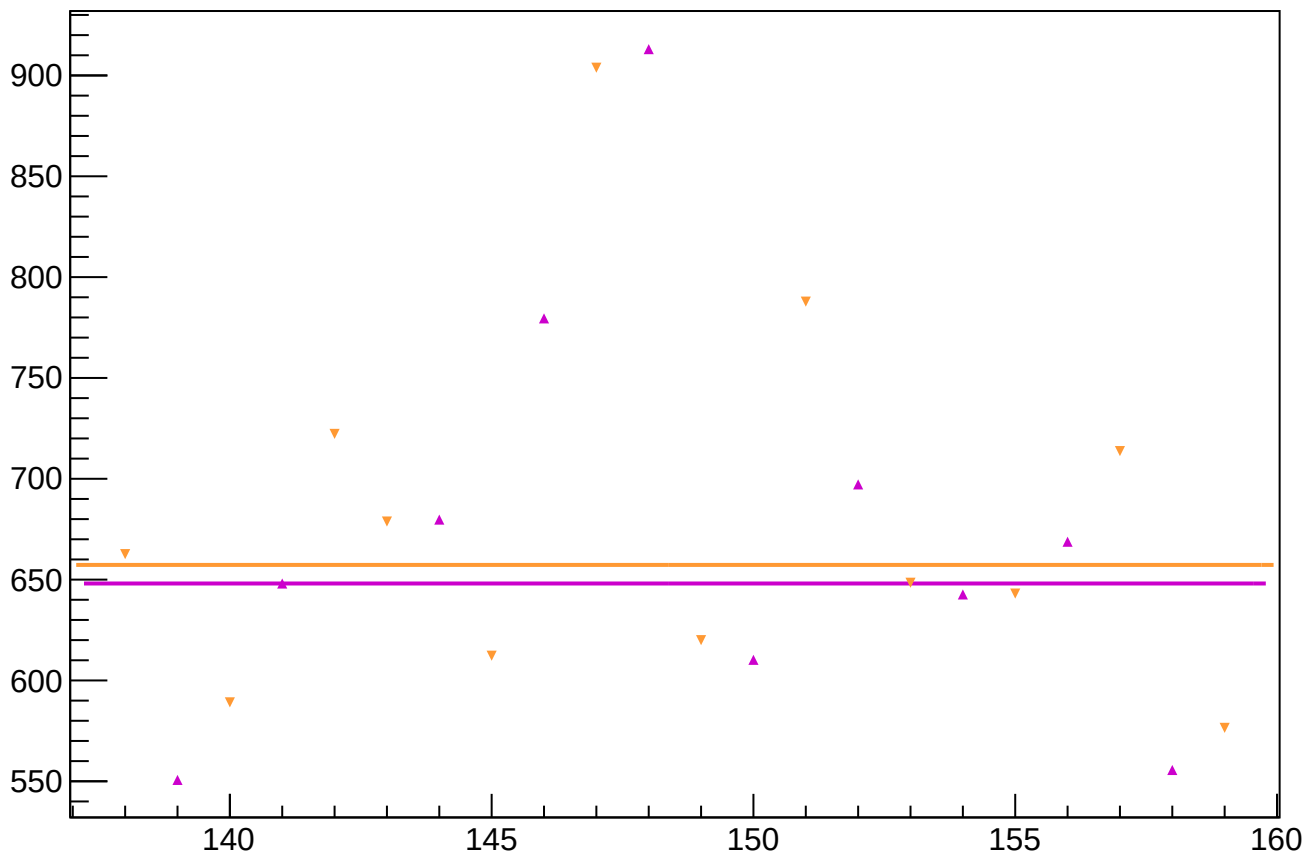
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -365.659+/-228.468 χ^2/NDF : 18.1/9

Out: 332.749+/-222.705 χ^2/NDF : 11.0/11

All: -7.536+/-159.474 χ^2/NDF : 33.9/21

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 657.288+/-0.157 χ^2/NDF :242417.2/11

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

Left In: 648.077+/-0.162 χ^2/NDF :292339.4/9

Left: 652.801+/-0.113 χ^2/NDF : 536423.5/21

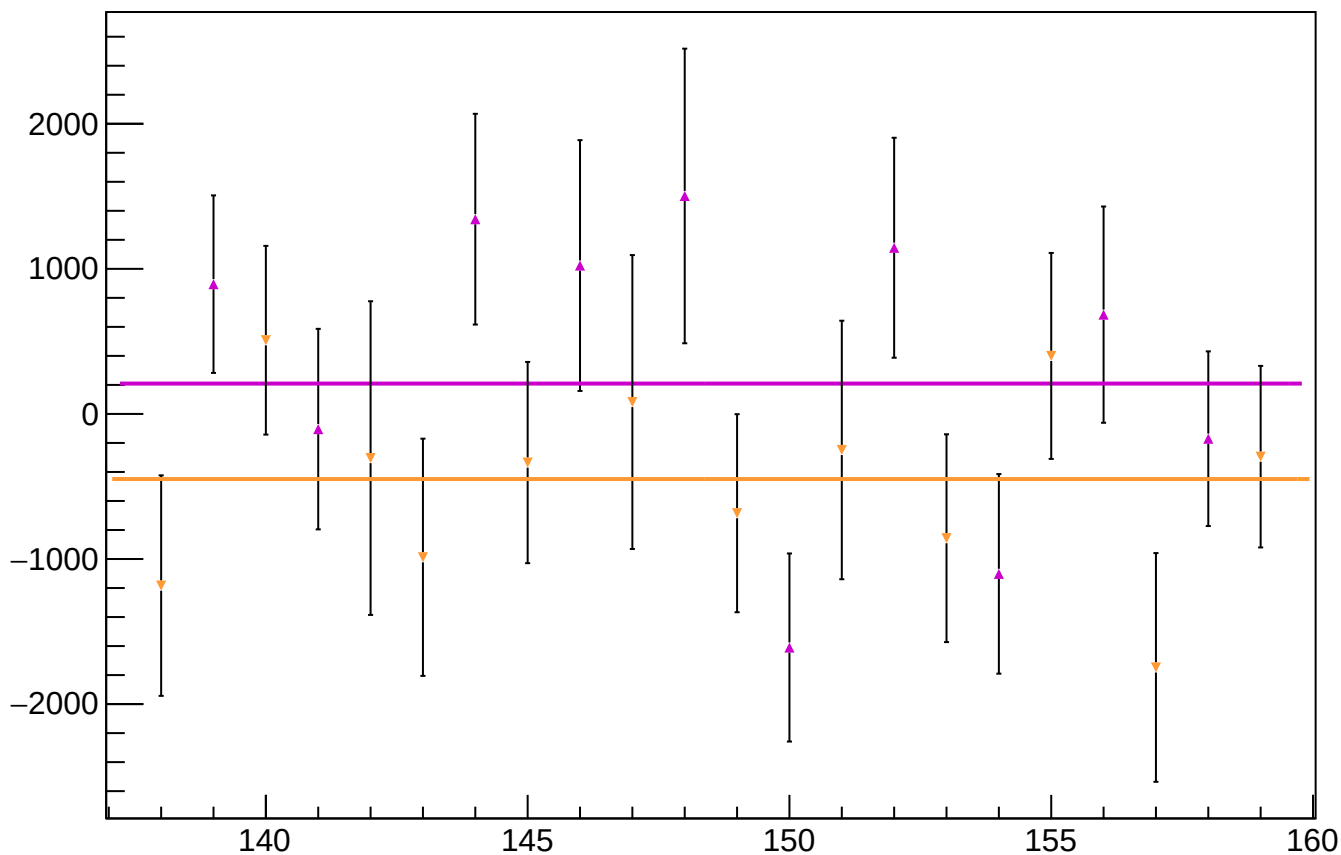
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 648.077+/-0.162 χ^2/NDF :292339.4/9

Out: 657.288+/-0.157 χ^2/NDF :242417.2/11

All: 652.801+/-0.113 χ^2/NDF : 536423.5/21

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -448.802 ± 218.194 $\chi^2/\text{NDF}: 8.5/11$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: 209.205 ± 224.945 $\chi^2/\text{NDF}: 20.2/9$

Left: -129.821 ± 156.619 $\chi^2/\text{NDF}: 33.2/21$

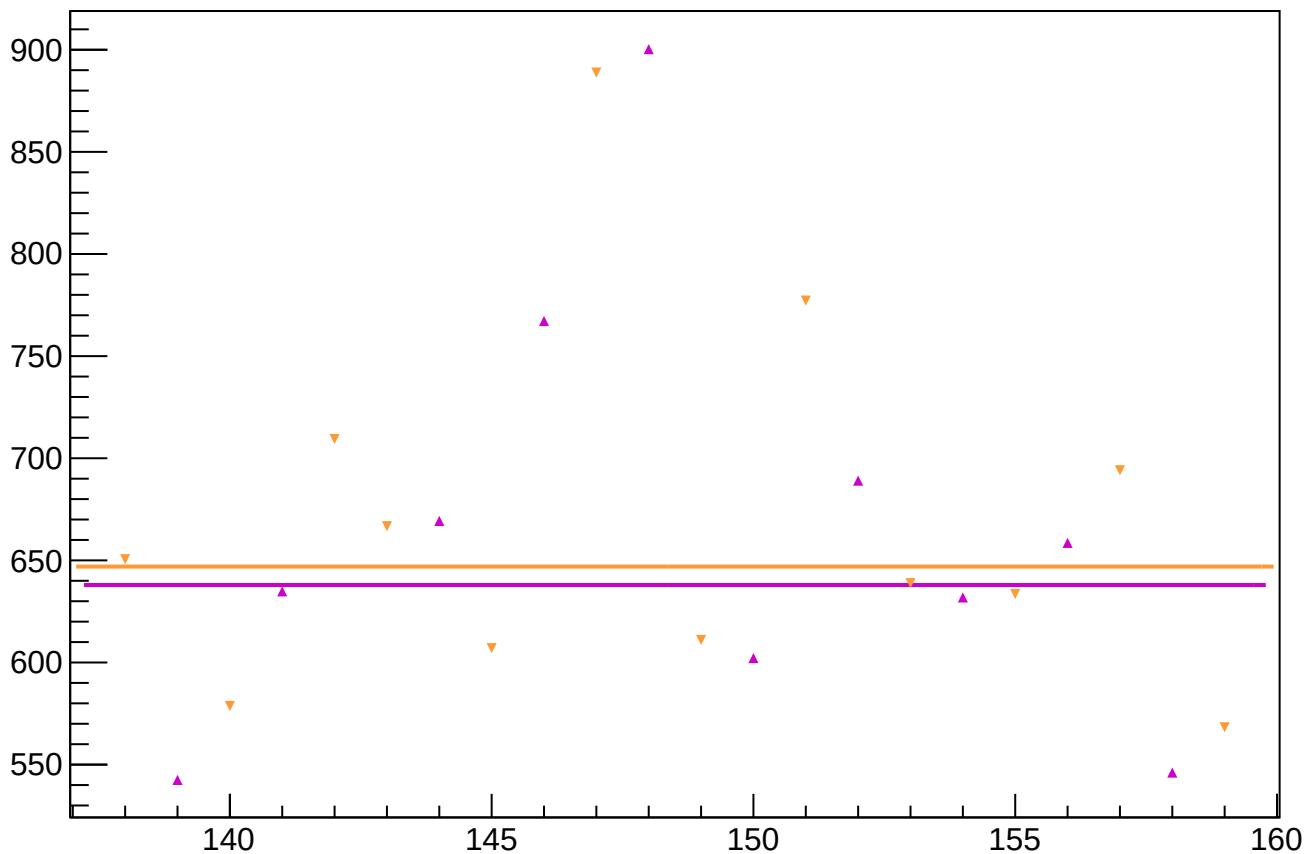
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: 209.205 ± 224.945 $\chi^2/\text{NDF}: 20.2/9$

Out: -448.802 ± 218.194 $\chi^2/\text{NDF}: 8.5/11$

All: -129.821 ± 156.619 $\chi^2/\text{NDF}: 33.2/21$

asym_sam_15_dd_rms vs Slug, Sign Corrected



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

Left Out: 646.967+/-0.154 χ^2/NDF :238567.2/11

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

Left In: 637.945+/-0.159 χ^2/NDF :294130.3/9

Left: 642.593+/-0.111 χ^2/NDF : 534355.2/21

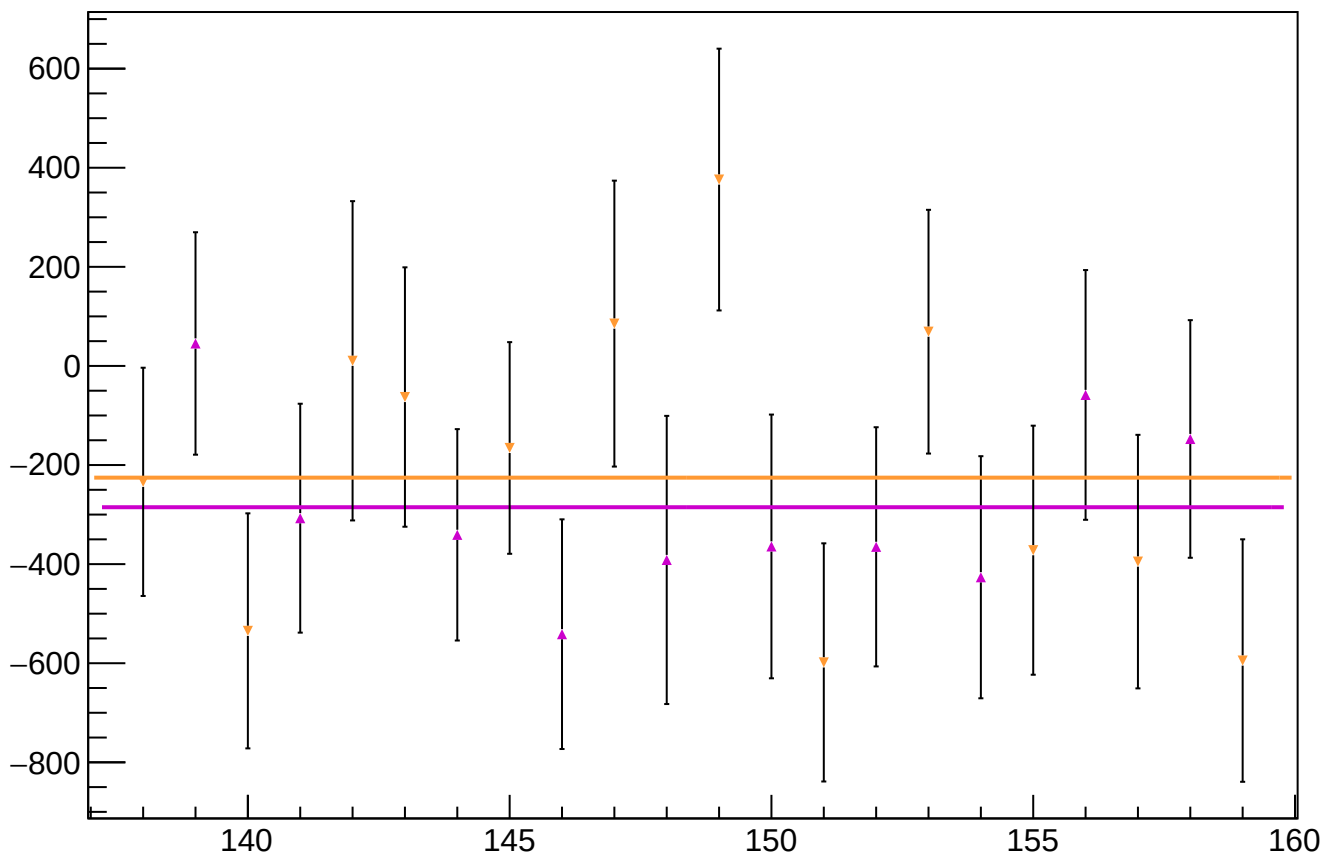
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 637.945+/-0.159 χ^2/NDF :294130.3/9

Out: 646.967+/-0.154 χ^2/NDF :238567.2/11

All: 642.593+/-0.111 χ^2/NDF : 534355.2/21

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -225.465+/-72.402 χ^2/NDF :15.9/11

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

Left In: -285.157+/-76.209 χ^2/NDF :5.3/9

Left: -253.782+/-52.490 χ^2/NDF : 21.5/21

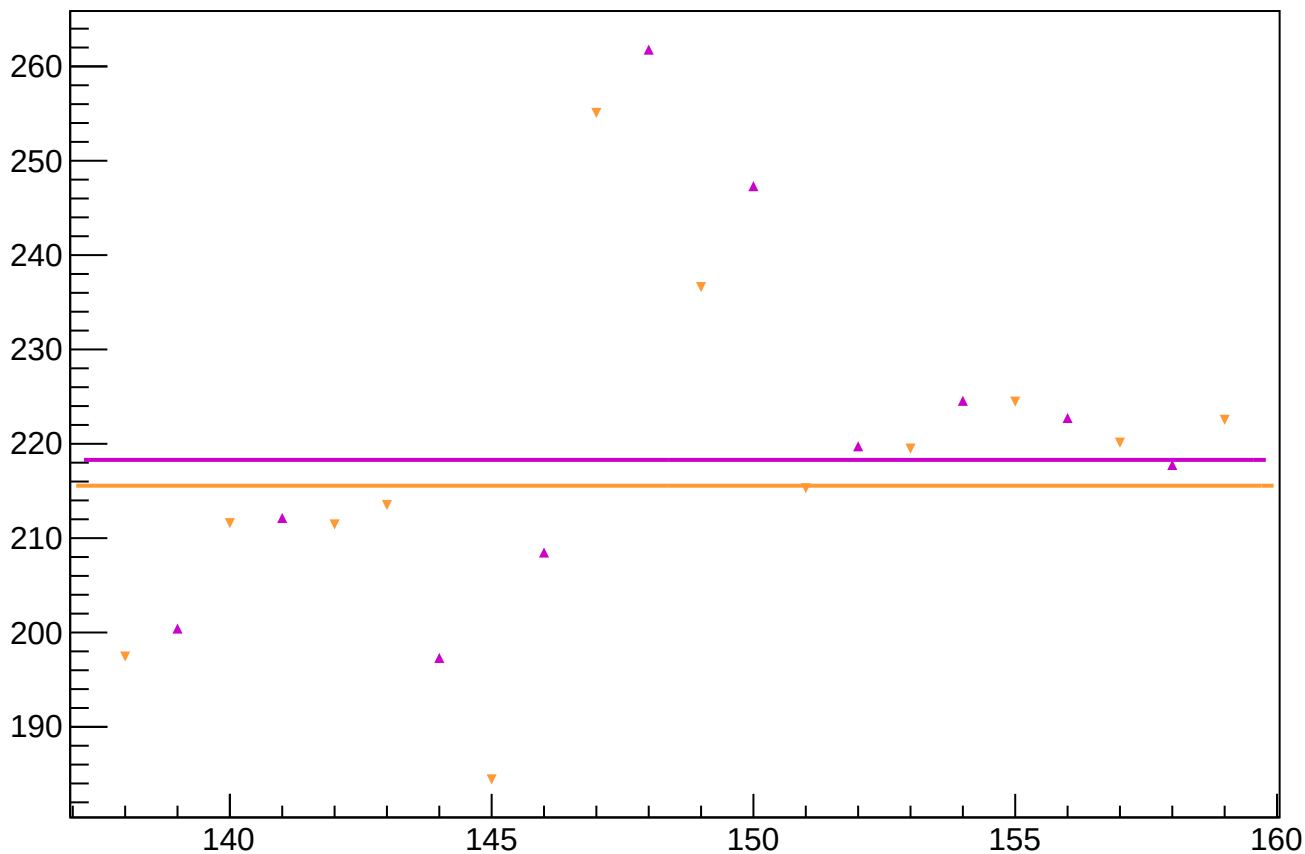
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -285.157+/-76.209 χ^2/NDF :5.3/9

Out: -225.465+/-72.402 χ^2/NDF :15.9/11

All: -253.782+/-52.490 χ^2/NDF : 21.5/21

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 215.560+/-0.051 χ^2/NDF :111338.9/11

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

Left In: 218.295+/-0.054 χ^2/NDF :107560.0/9

Left: 216.858+/-0.037 χ^2/NDF : 220252.7/21

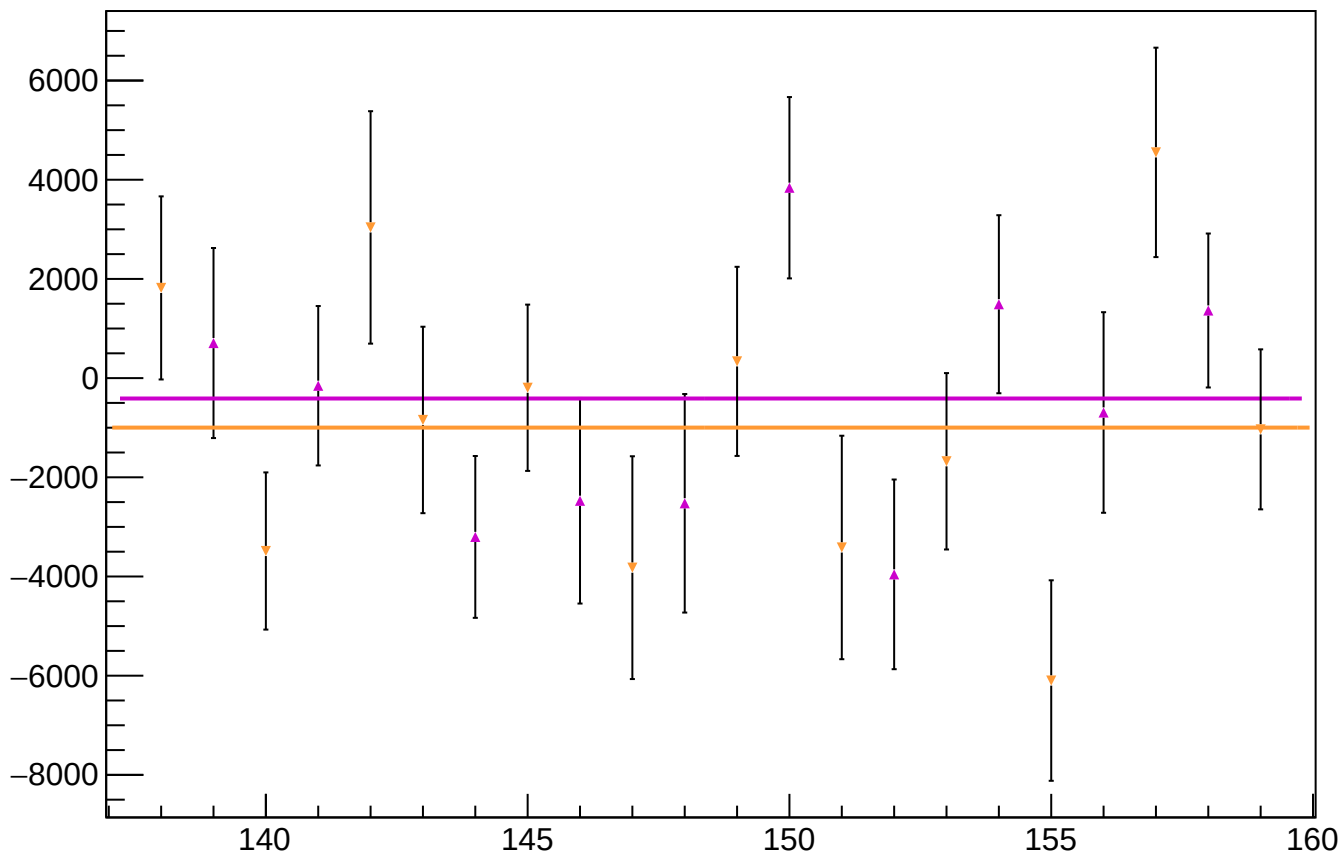
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 218.295+/-0.054 χ^2/NDF :107560.0/9

Out: 215.560+/-0.051 χ^2/NDF :111338.9/11

All: 216.858+/-0.037 χ^2/NDF : 220252.7/21

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -997.839+/-546.164 χ^2/NDF :24.6/11

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

Left In: -411.222+/-575.769 χ^2/NDF :16.5/9

Left: -719.999+/-396.249 χ^2/NDF : 41.7/21

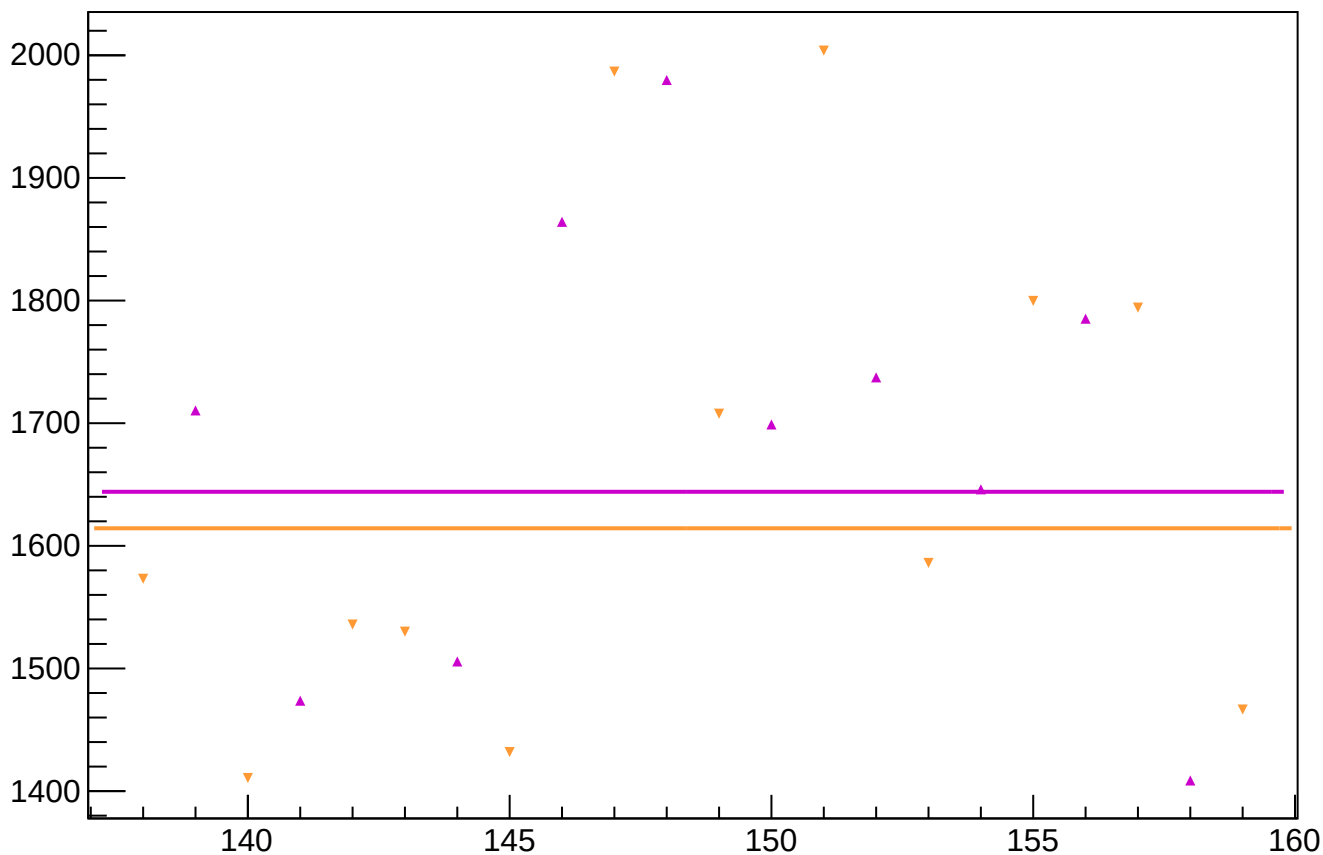
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -411.222+/-575.769 χ^2/NDF :16.5/9

Out: -997.839+/-546.164 χ^2/NDF :24.6/11

All: -719.999+/-396.249 χ^2/NDF : 41.7/21

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1614.327+/-0.386 χ^2/NDF :232155.8/11

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

Left In: 1644.077+/-0.407 χ^2/NDF :170565.3/9

Left: 1628.417+/-0.280 χ^2/NDF : 405531.8/21

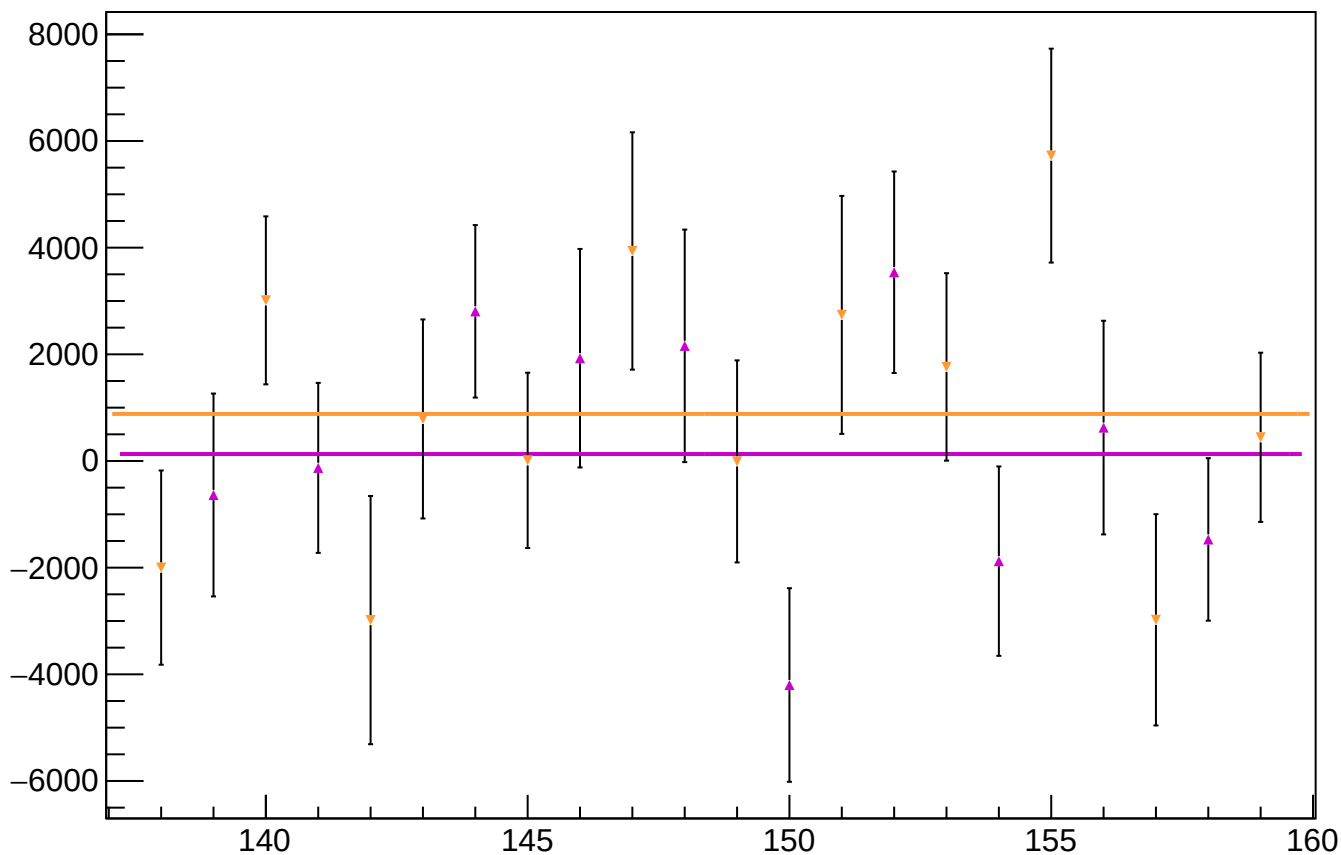
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1644.077+/-0.407 χ^2/NDF :170565.3/9

Out: 1614.327+/-0.386 χ^2/NDF :232155.8/11

All: 1628.417+/-0.280 χ^2/NDF : 405531.8/21

asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 882.380+/-538.121 χ^2/NDF :20.1/11

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

Left In: 130.480+/-569.585 χ^2/NDF :16.0/9

Left: 527.770+/-391.159 χ^2/NDF : 37.0/21

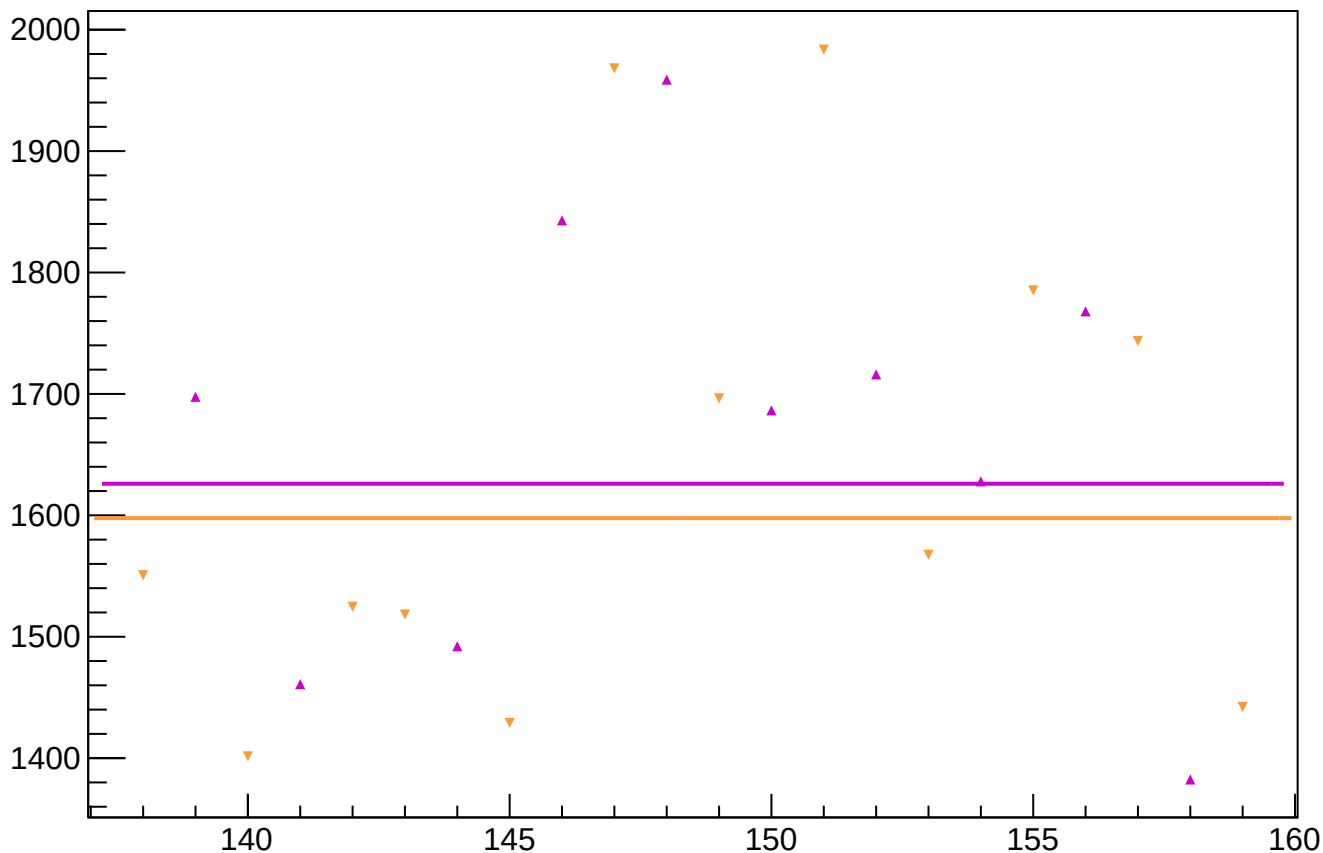
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 130.480+/-569.585 χ^2/NDF :16.0/9

Out: 882.380+/-538.121 χ^2/NDF :20.1/11

All: 527.770+/-391.159 χ^2/NDF : 37.0/21

asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 1597.718+/-0.381 χ^2/NDF :227924.8/11

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

Left In: 1626.031+/-0.403 χ^2/NDF :174975.4/9

Left: 1611.071+/-0.277 χ^2/NDF : 405511.4/21

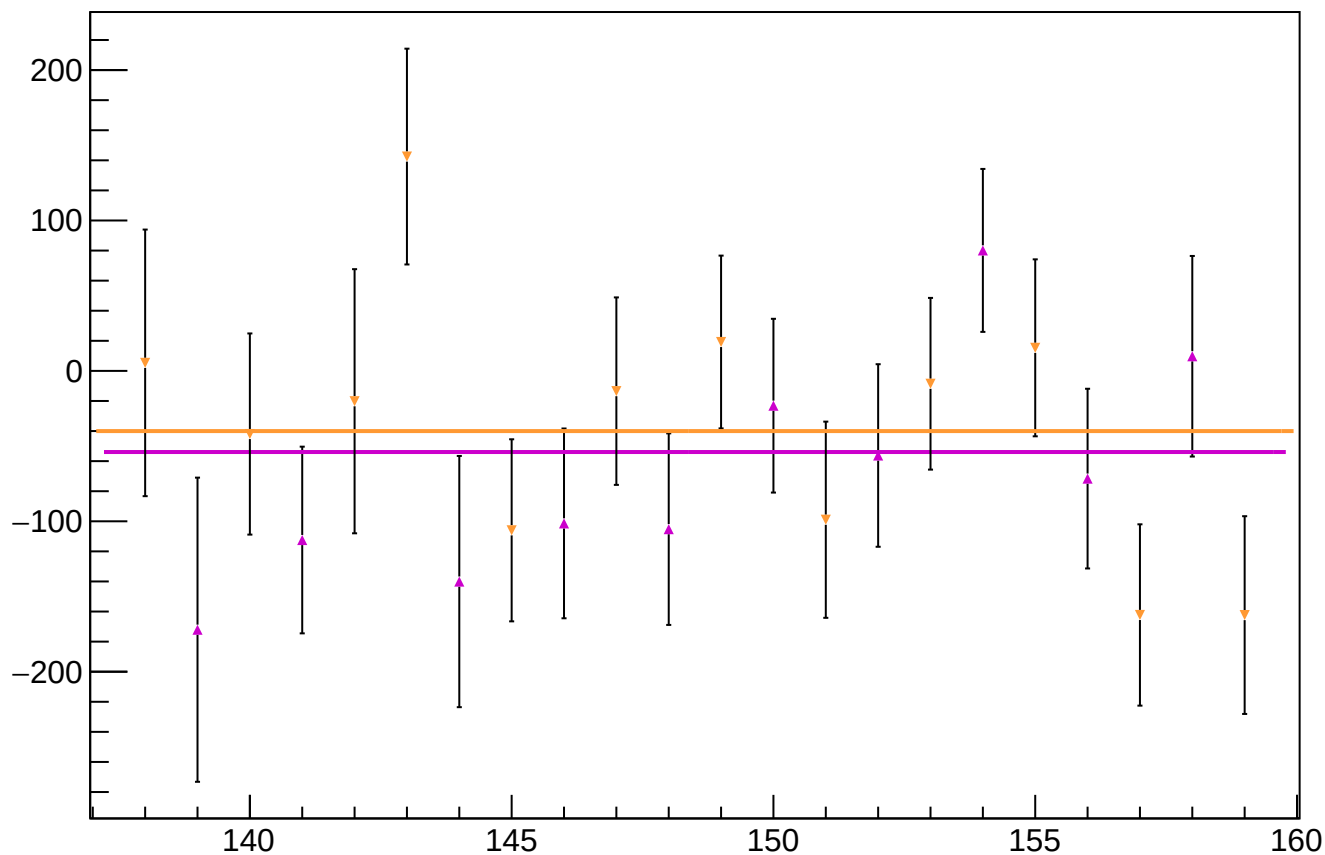
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1626.031+/-0.403 χ^2/NDF :174975.4/9

Out: 1597.718+/-0.381 χ^2/NDF :227924.8/11

All: 1611.071+/-0.277 χ^2/NDF : 405511.4/21

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



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

Left Out: -40.019+/-18.745 χ^2/NDF :18.8/11

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

Left In: -53.943+/-20.346 χ^2/NDF :11.9/9

Left: -46.412+/-13.786 χ^2/NDF : 31.0/21

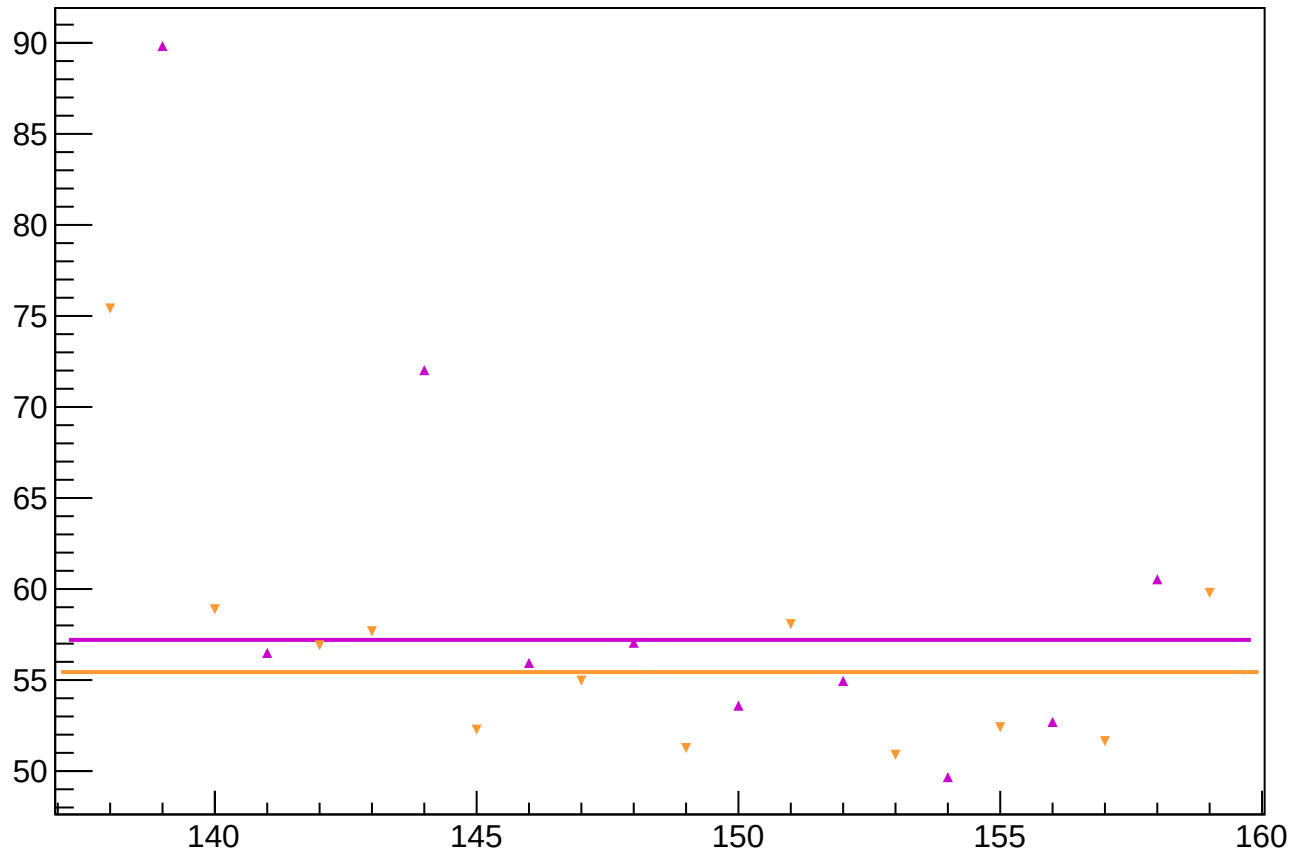
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -53.943+/-20.346 χ^2/NDF :11.9/9

Out: -40.019+/-18.745 χ^2/NDF :18.8/11

All: -46.412+/-13.786 χ^2/NDF : 31.0/21

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 55.439+/-0.013 χ^2/NDF :163475.3/11

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

Left In: 57.205+/-0.014 χ^2/NDF :337900.5/9

Left: 56.250+/-0.010 χ^2/NDF : 509521.8/21

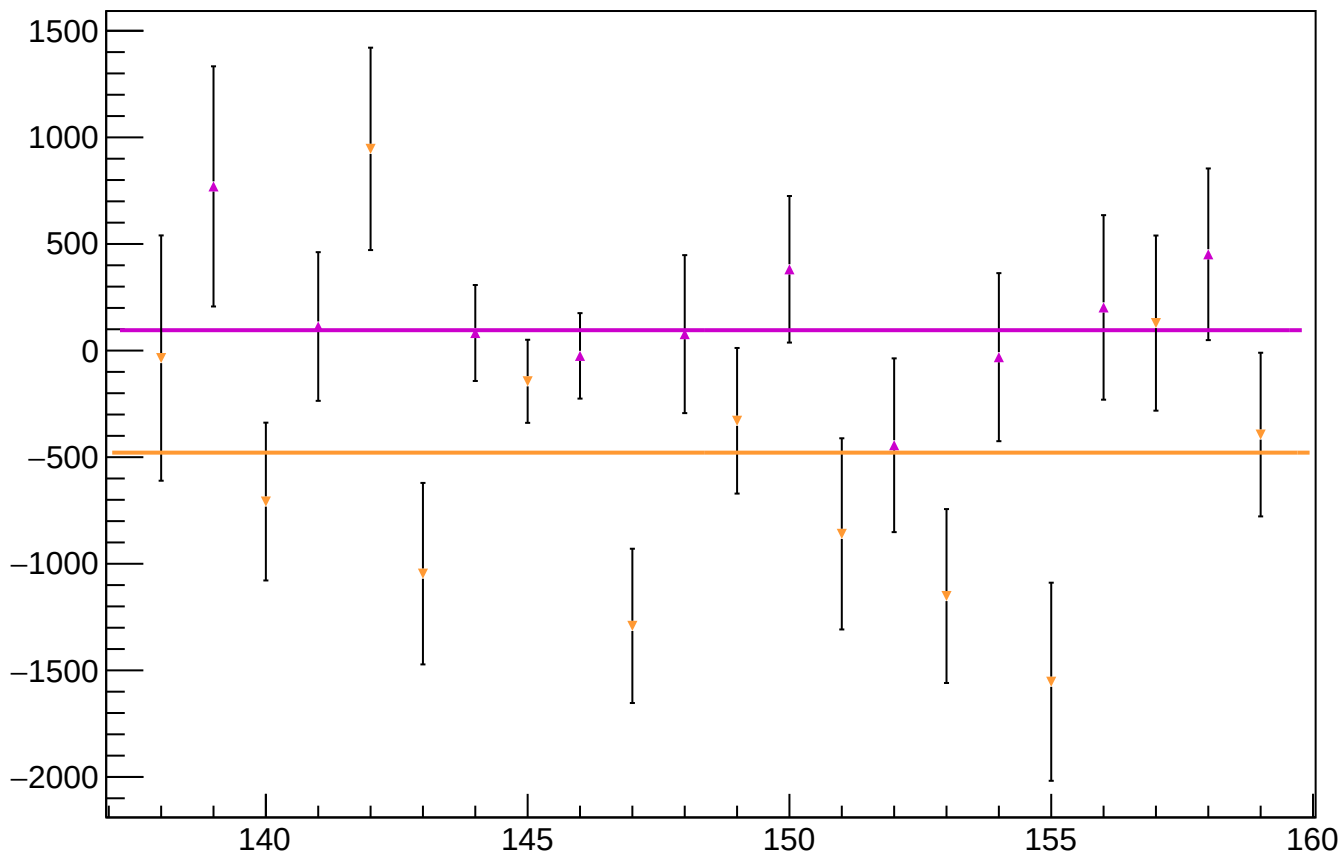
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 57.205+/-0.014 χ^2/NDF :337900.5/9

Out: 55.439+/-0.013 χ^2/NDF :163475.3/11

All: 56.250+/-0.010 χ^2/NDF : 509521.8/21

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -478.723+/-104.736 χ^2/NDF :31.0/11

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

Left In: 95.597+/-102.215 χ^2/NDF :5.2/9

Left: -184.569+/-73.152 χ^2/NDF : 51.6/21

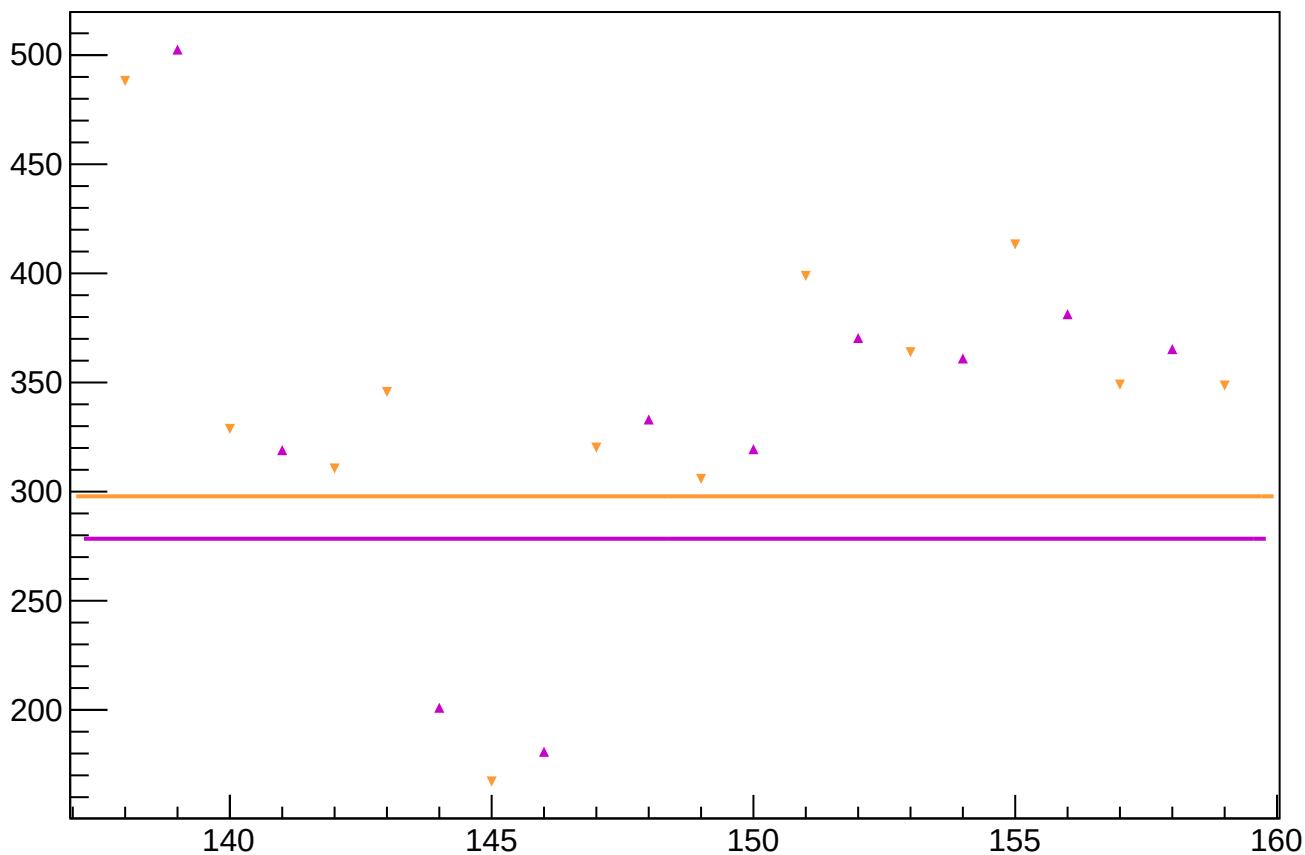
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 95.597+/-102.215 χ^2/NDF :5.2/9

Out: -478.723+/-104.736 χ^2/NDF :31.0/11

All: -184.569+/-73.152 χ^2/NDF : 51.6/21

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 297.849±/-0.074 χ^2/NDF :1510753.8/11

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

Left In: 278.415±/-0.072 χ^2/NDF :1522584.7/9

Left: 287.895±/-0.052 χ^2/NDF : 3068606.3/21

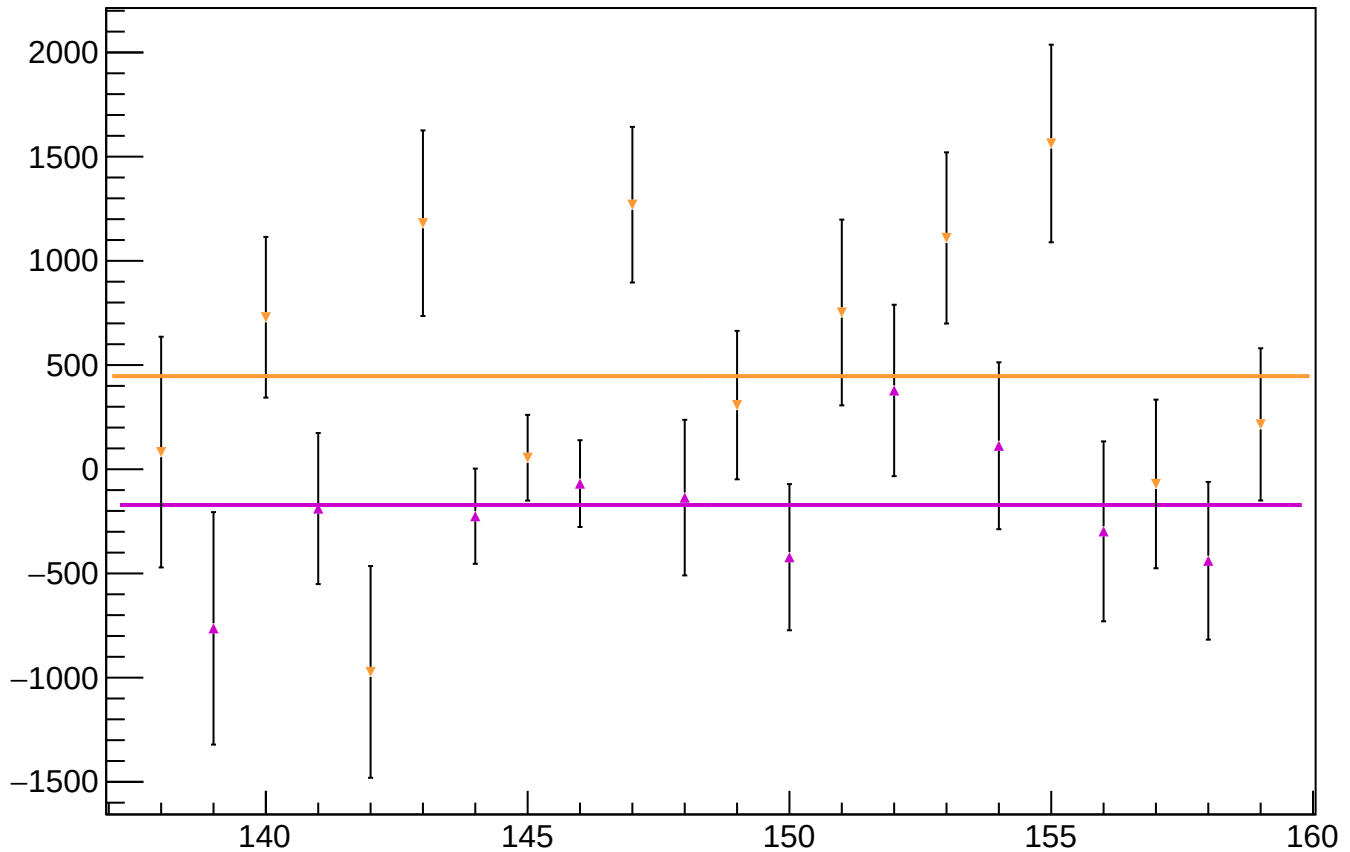
Right: 0.000±/-0.000 χ^2/NDF : 0.0/0

In: 278.415±/-0.072 χ^2/NDF :1522584.7/9

Out: 297.849±/-0.074 χ^2/NDF :1510753.8/11

All: 287.895±/-0.052 χ^2/NDF : 3068606.3/21

asym_sam_37_dd_mean vs Slug, Sign Corrected



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

Left Out: 446.818+/-107.445 χ^2/NDF :30.8/11

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

Left In: -171.576+/-103.774 χ^2/NDF :4.8/9

Left: 126.875+/-74.643 χ^2/NDF : 52.7/21

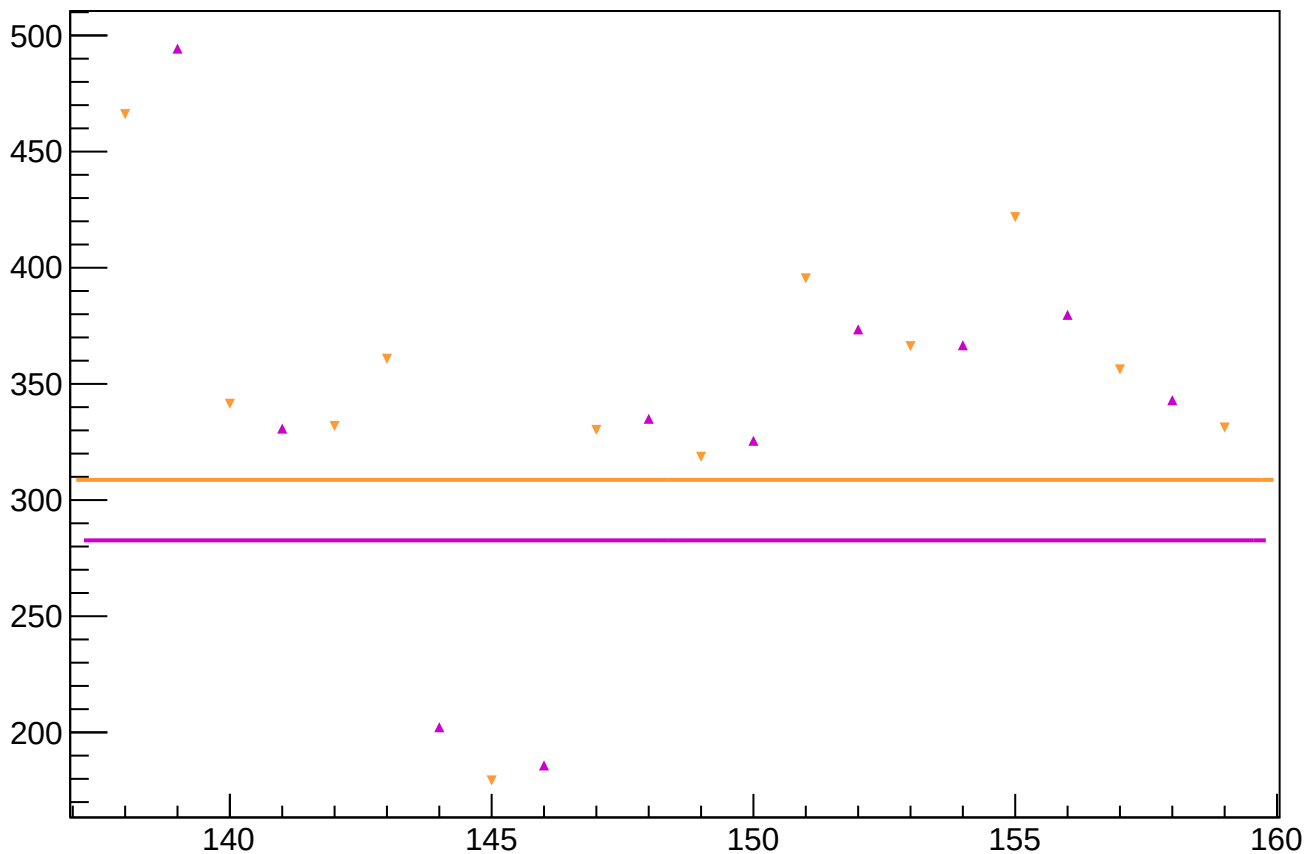
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -171.576+/-103.774 χ^2/NDF :4.8/9

Out: 446.818+/-107.445 χ^2/NDF :30.8/11

All: 126.875+/-74.643 χ^2/NDF : 52.7/21

asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 308.703+/-0.076 χ^2/NDF :1271450.2/11

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

Left In: 282.658+/-0.073 χ^2/NDF :1410919.6/9

Left: 295.228+/-0.053 χ^2/NDF : 2743171.7/21

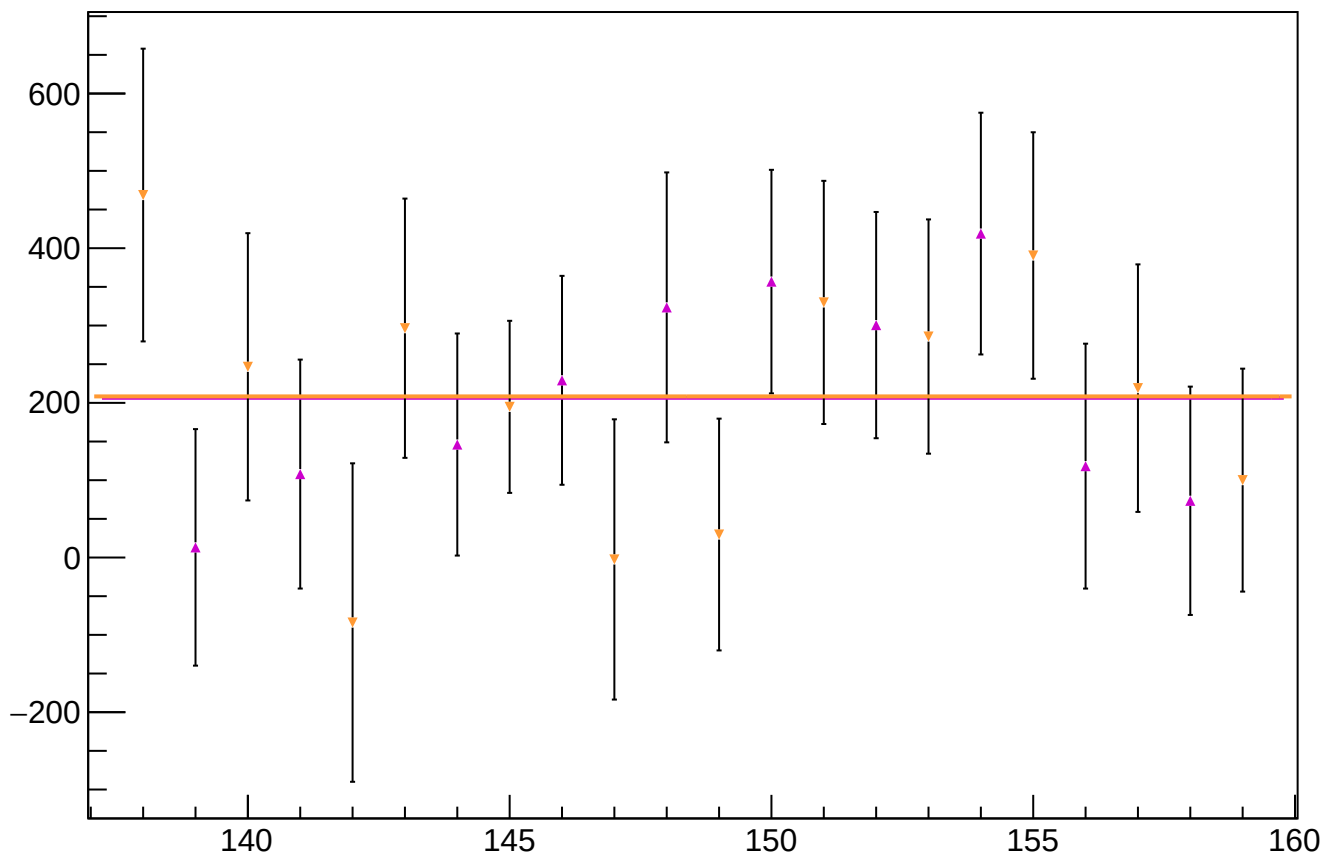
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 282.658+/-0.073 χ^2/NDF :1410919.6/9

Out: 308.703+/-0.076 χ^2/NDF :1271450.2/11

All: 295.228+/-0.053 χ^2/NDF : 2743171.7/21

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 208.345+/-45.318 χ^2/NDF :9.8/11

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

Left In: 206.586+/-47.362 χ^2/NDF :7.2/9

Left: 207.504+/-32.744 χ^2/NDF : 16.9/21

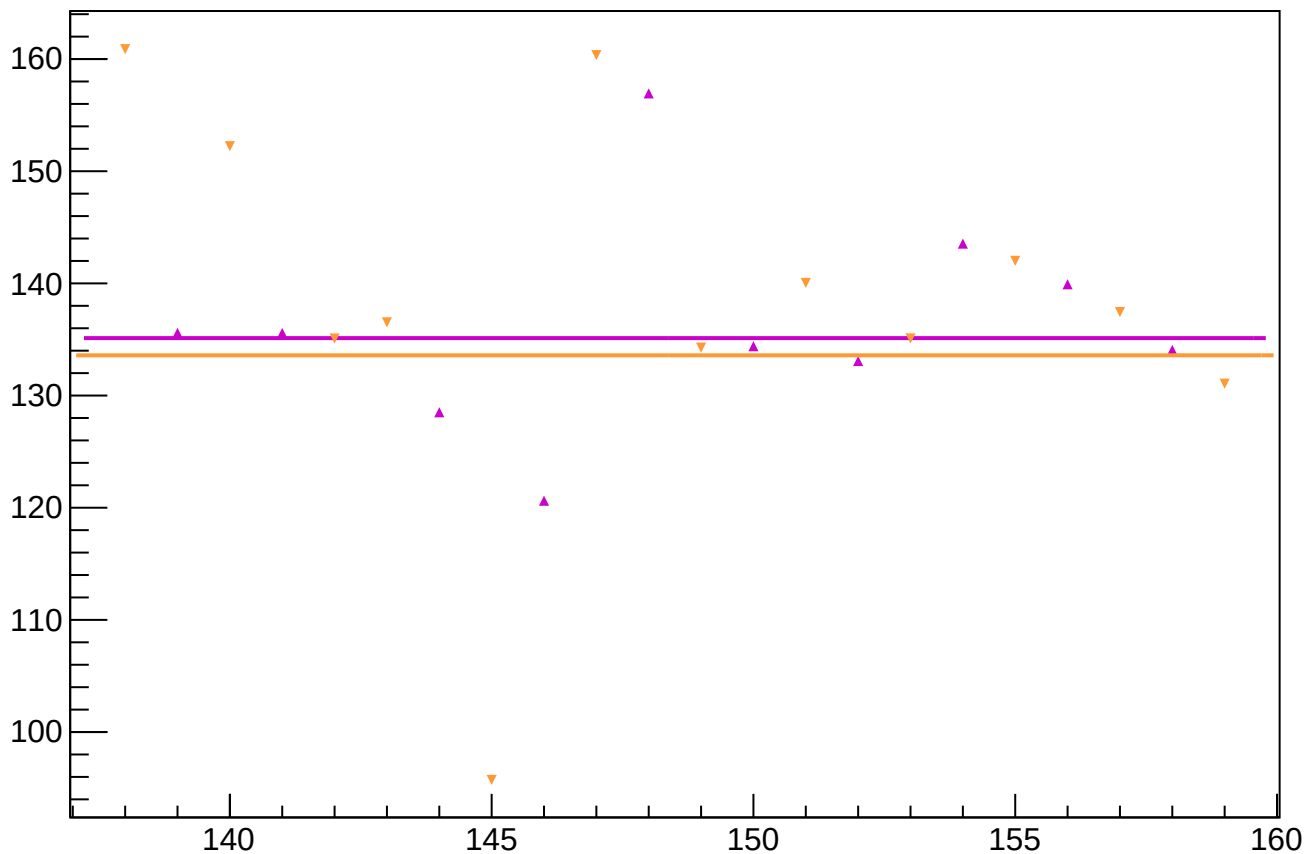
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 206.586+/-47.362 χ^2/NDF :7.2/9

Out: 208.345+/-45.318 χ^2/NDF :9.8/11

All: 207.504+/-32.744 χ^2/NDF : 16.9/21

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 133.589+/-0.032 χ^2/NDF : 351717.6/11

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

Left In: 135.121+/-0.033 χ^2/NDF : 66758.2/9

Left: 134.321+/-0.023 χ^2/NDF : 419568.6/21

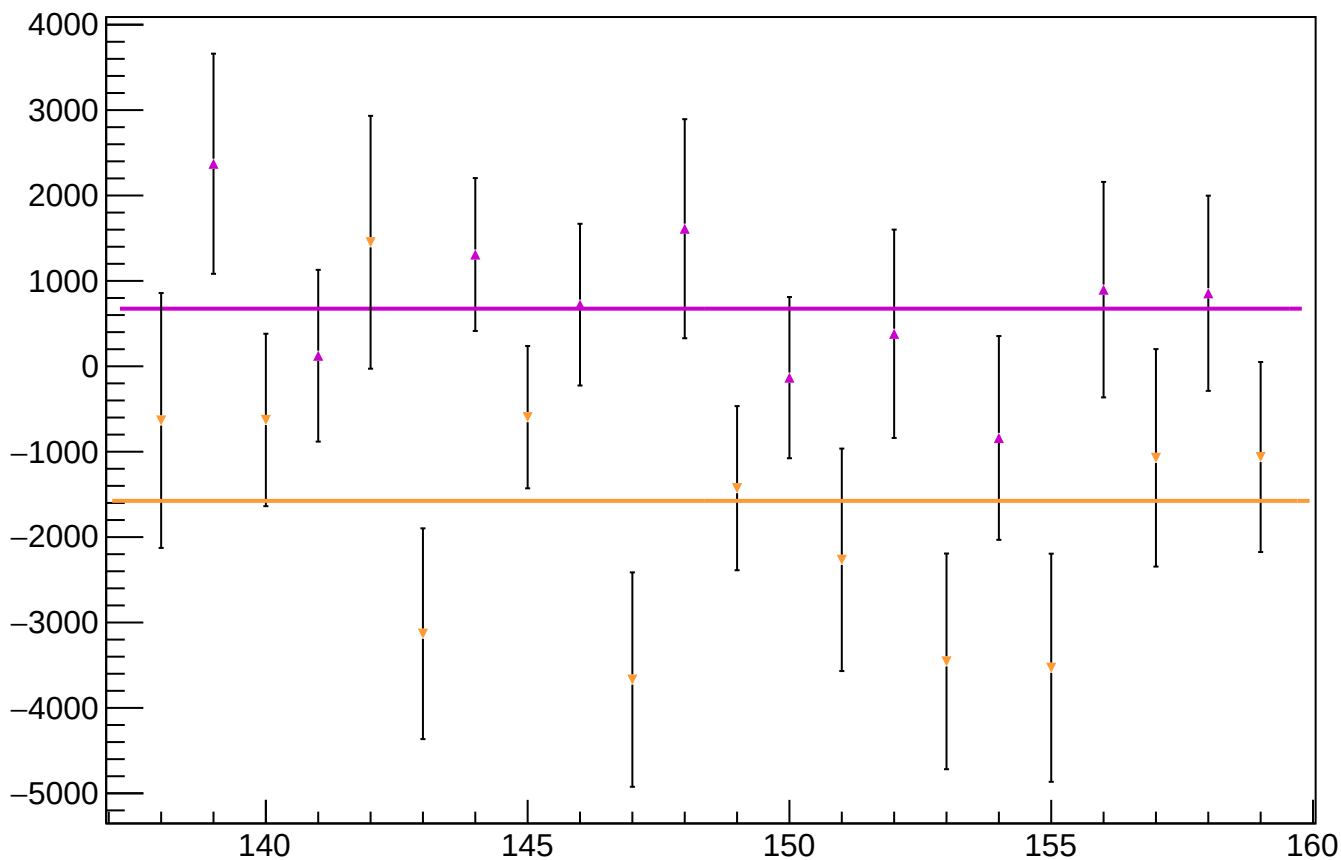
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 135.121+/-0.033 χ^2/NDF : 66758.2/9

Out: 133.589+/-0.032 χ^2/NDF : 351717.6/11

All: 134.321+/-0.023 χ^2/NDF : 419568.6/21

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1575.501+/-335.161 χ^2/NDF : 16.2/11

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

Left In: 674.867+/-343.948 χ^2/NDF : 5.5/9

Left: -479.431+/-240.041 χ^2/NDF : 43.7/21

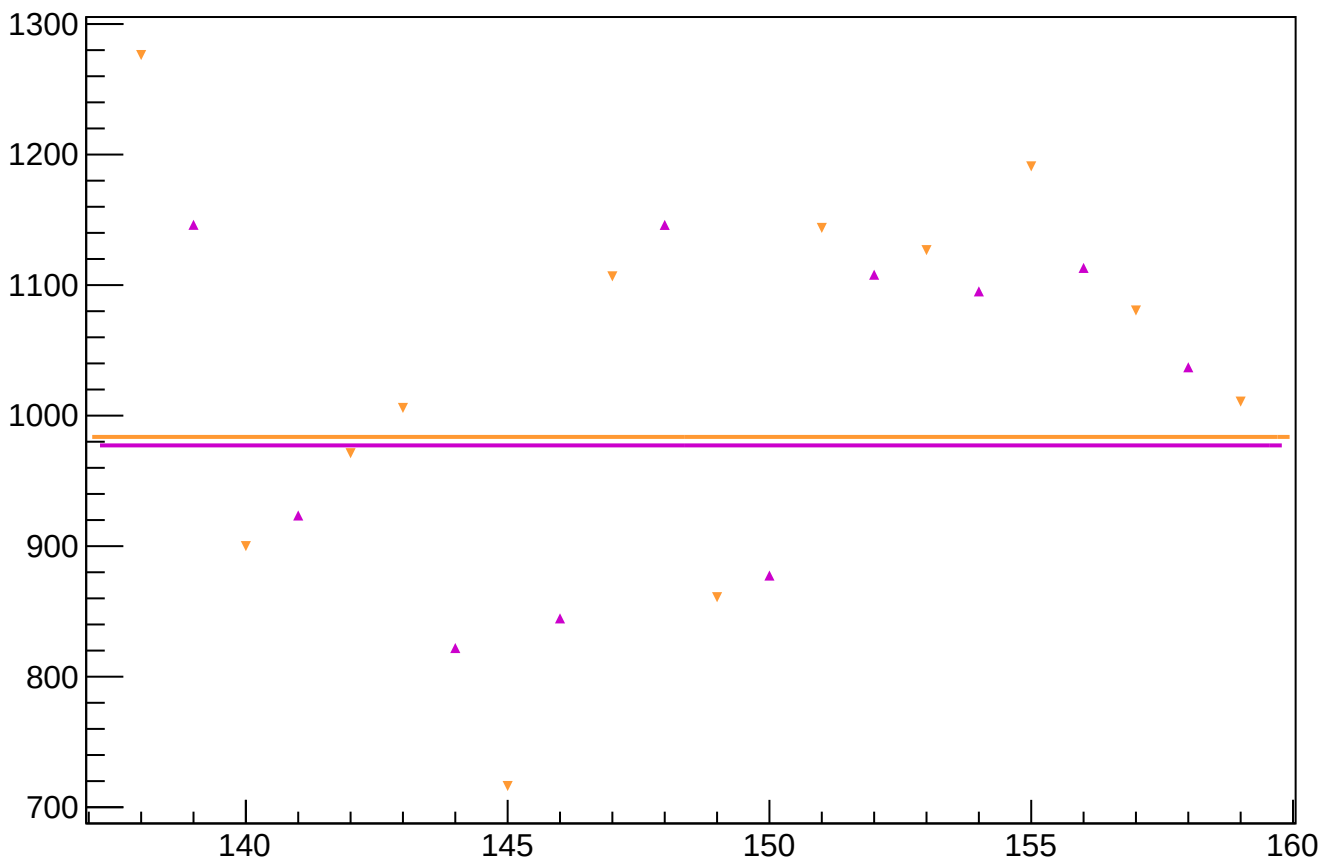
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 674.867+/-343.948 χ^2/NDF : 5.5/9

Out: -1575.501+/-335.161 χ^2/NDF : 16.2/11

All: -479.431+/-240.041 χ^2/NDF : 43.7/21

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 983.689+/-0.237 χ^2/NDF : 466016.5/11

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

Left In: 977.186+/-0.243 χ^2/NDF : 267683.8/9

Left: 980.521+/-0.170 χ^2/NDF : 734067.1/21

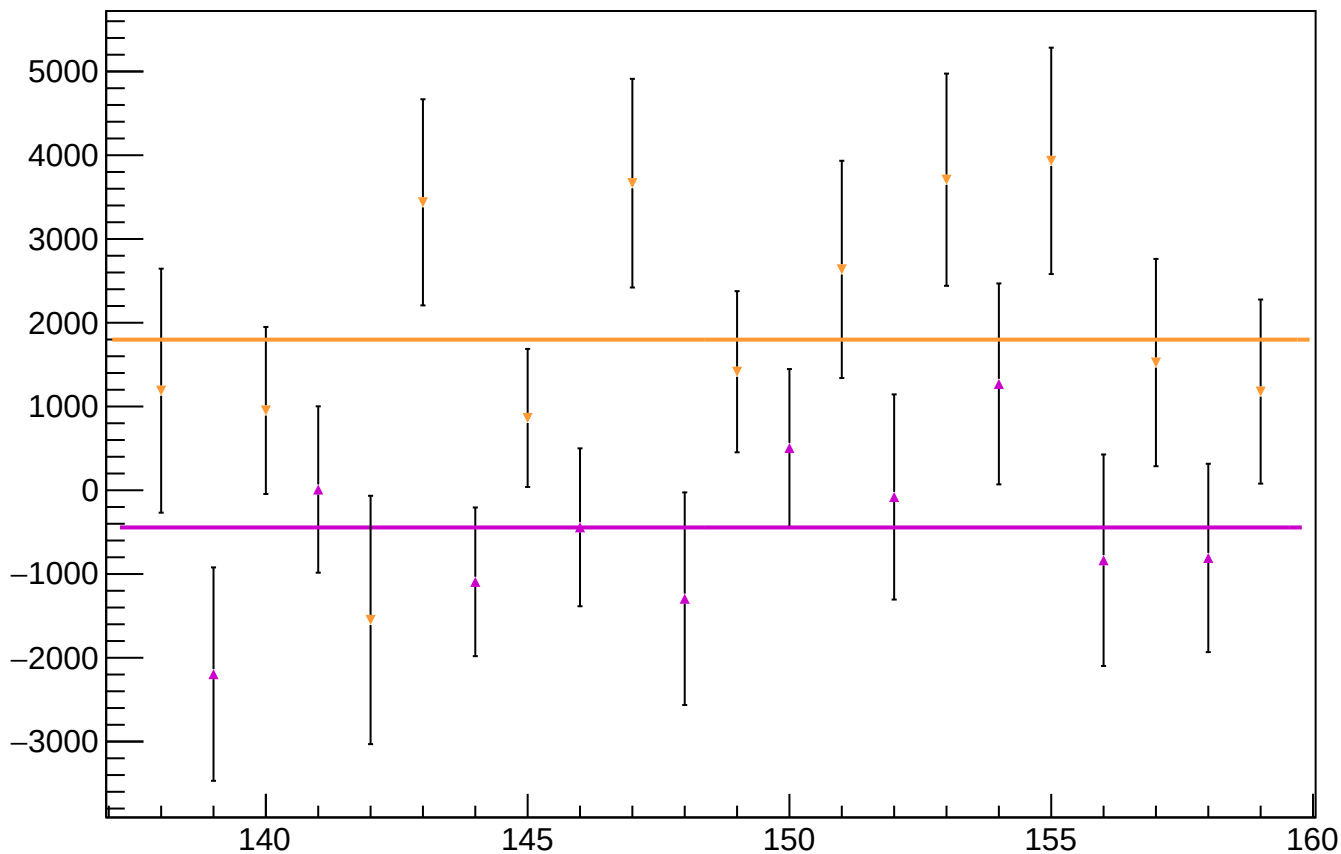
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 977.186+/-0.243 χ^2/NDF : 267683.8/9

Out: 983.689+/-0.237 χ^2/NDF : 466016.5/11

All: 980.521+/-0.170 χ^2/NDF : 734067.1/21

asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 1798.355+/-332.684 χ^2/NDF : 17.0/11

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

Left In: -444.079+/-341.934 χ^2/NDF : 6.4/9

Left: 707.877+/-238.446 χ^2/NDF : 45.5/21

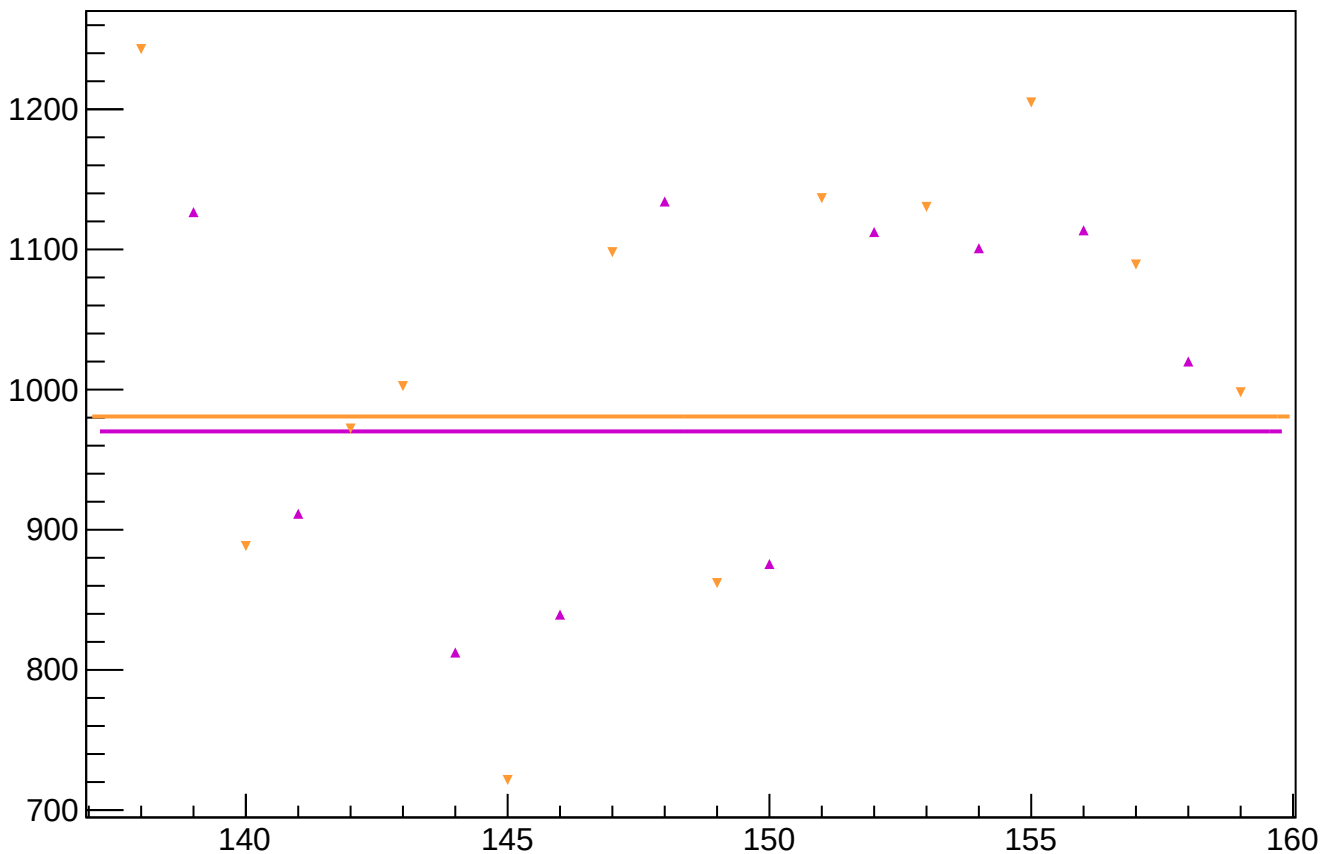
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -444.079+/-341.934 χ^2/NDF : 6.4/9

Out: 1798.355+/-332.684 χ^2/NDF : 17.0/11

All: 707.877+/-238.446 χ^2/NDF : 45.5/21

asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 980.814+/-0.235 χ^2/NDF :456360.5/11

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

Left In: 970.168+/-0.242 χ^2/NDF :272867.8/9

Left: 975.637+/-0.169 χ^2/NDF : 730224.3/21

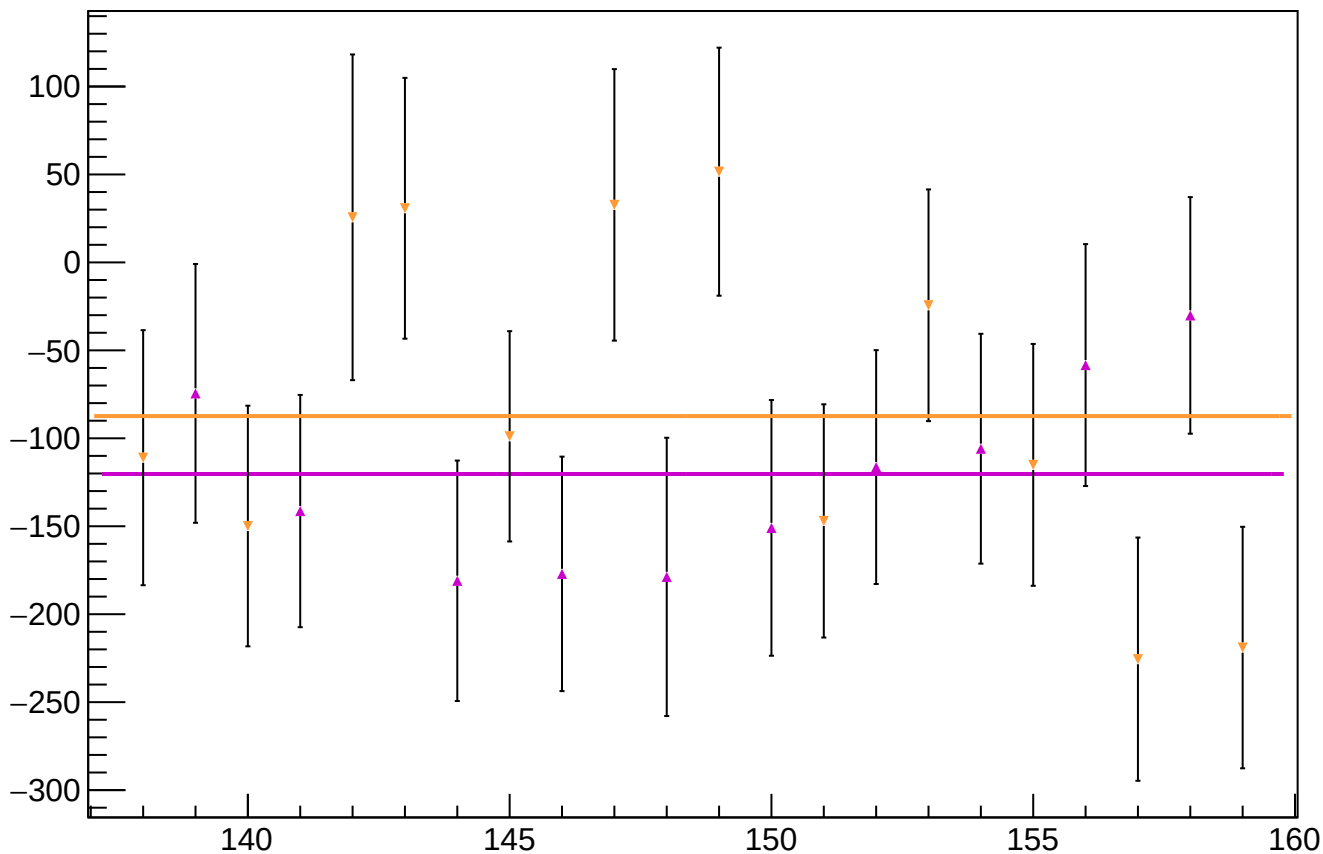
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 970.168+/-0.242 χ^2/NDF :272867.8/9

Out: 980.814+/-0.235 χ^2/NDF :456360.5/11

All: 975.637+/-0.169 χ^2/NDF : 730224.3/21

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: -87.375+/-20.234 χ^2/NDF :20.9/11

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

Left In: -120.295+/-21.845 χ^2/NDF :5.4/9

Left: -102.577+/-14.844 χ^2/NDF : 27.5/21

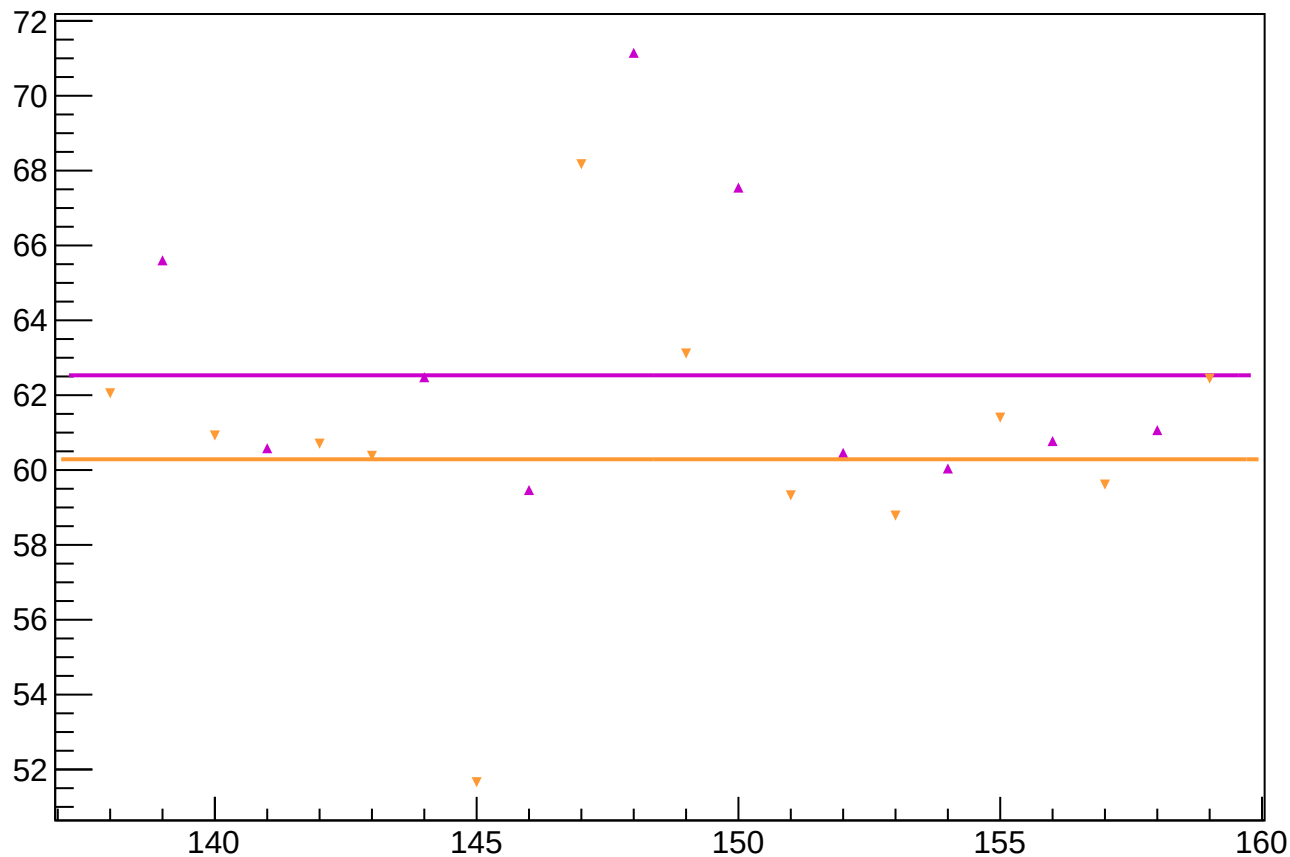
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -120.295+/-21.845 χ^2/NDF :5.4/9

Out: -87.375+/-20.234 χ^2/NDF :20.9/11

All: -102.577+/-14.844 χ^2/NDF : 27.5/21

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: 60.287+/-0.014 χ^2/NDF : 71295.8/11

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

Left In: 62.531+/-0.015 χ^2/NDF : 49819.9/9

Left: 61.323+/-0.010 χ^2/NDF : 132475.3/21

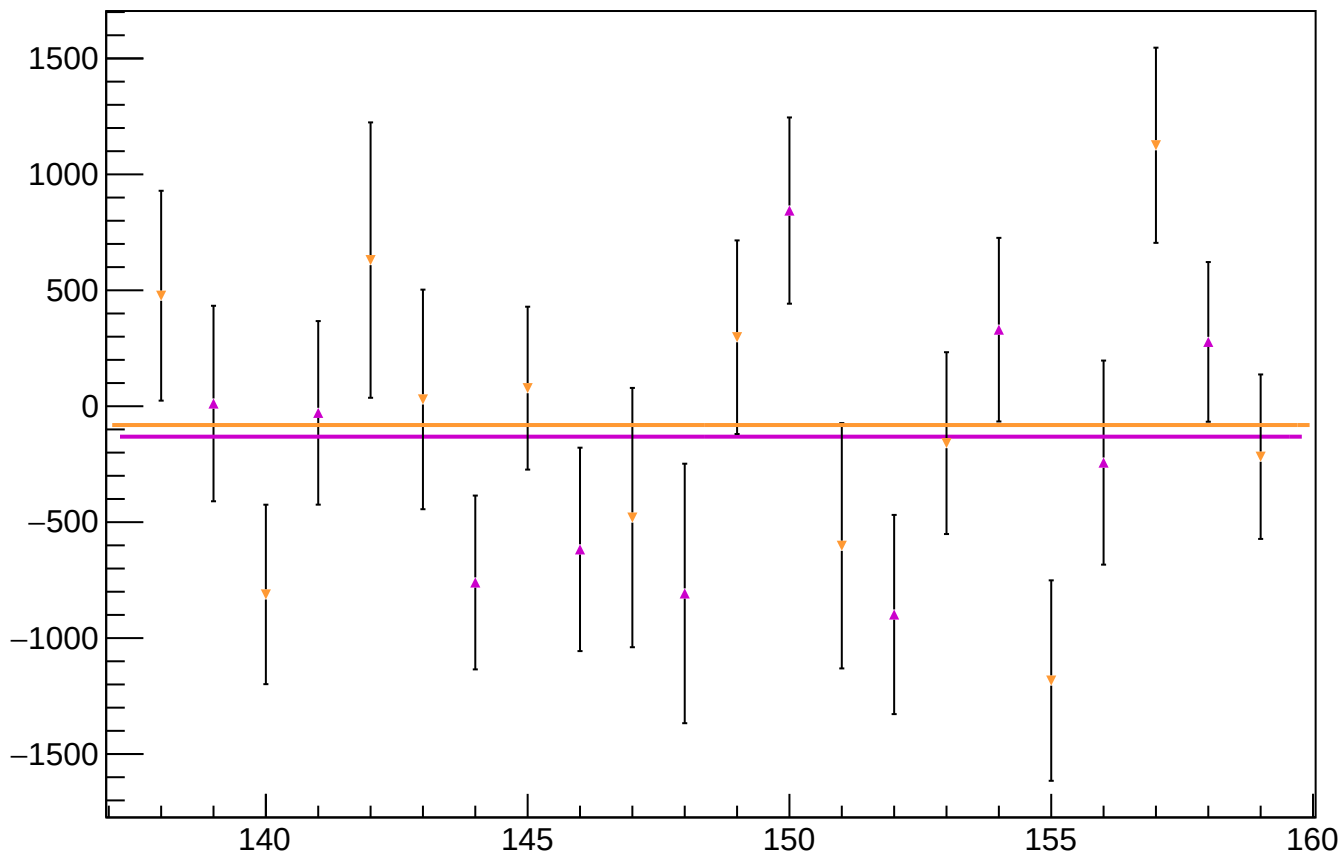
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.531+/-0.015 χ^2/NDF : 49819.9/9

Out: 60.287+/-0.014 χ^2/NDF : 71295.8/11

All: 61.323+/-0.010 χ^2/NDF : 132475.3/21

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: -81.062+/-124.115 χ^2/NDF :24.0/11

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

Left In: -131.254+/-130.069 χ^2/NDF :17.6/9

Left: -104.983+/-89.794 χ^2/NDF : 41.7/21

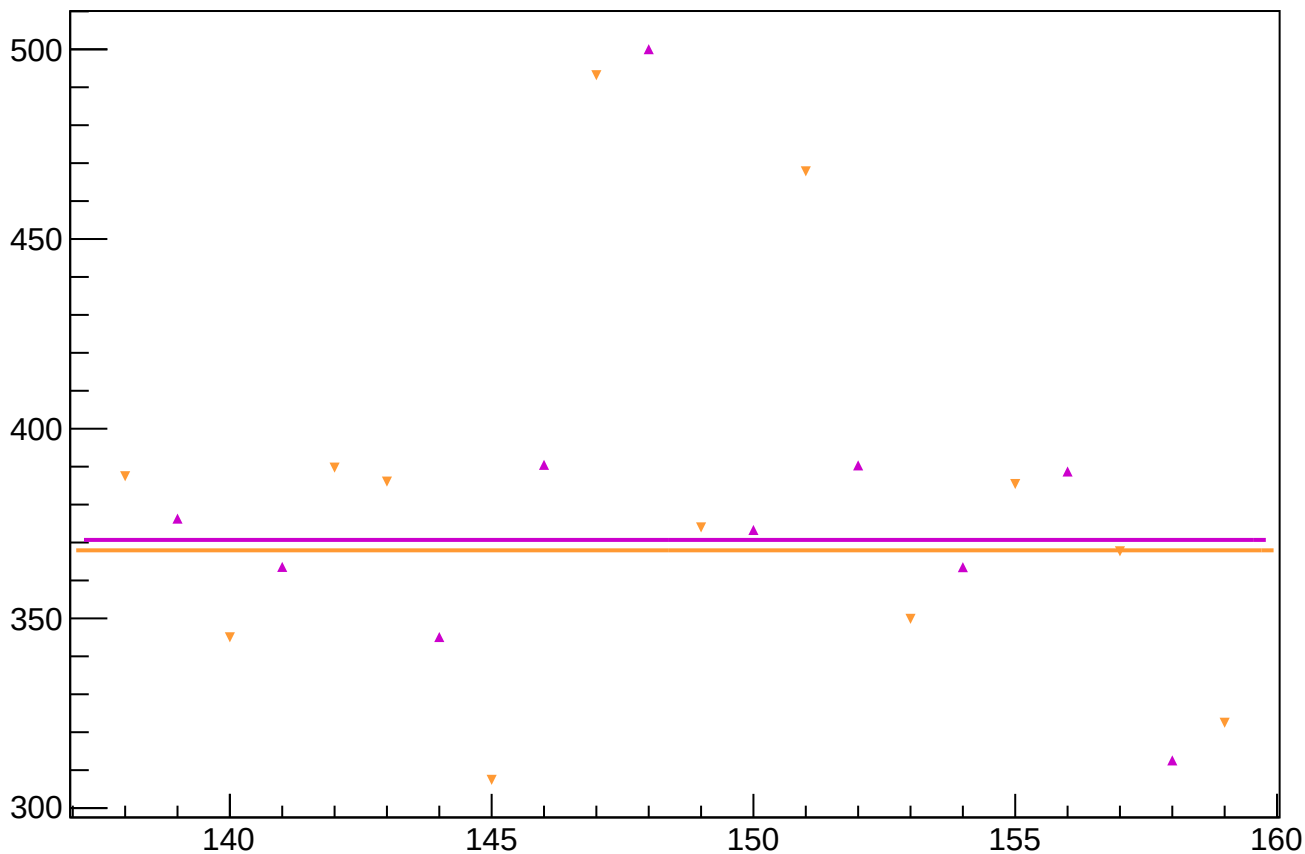
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -131.254+/-130.069 χ^2/NDF :17.6/9

Out: -81.062+/-124.115 χ^2/NDF :24.0/11

All: -104.983+/-89.794 χ^2/NDF : 41.7/21

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: 367.941+/-0.088 χ^2/NDF :288077.5/11

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

Left In: 370.688+/-0.092 χ^2/NDF :186504.6/9

Left: 369.250+/-0.063 χ^2/NDF : 475049.0/21

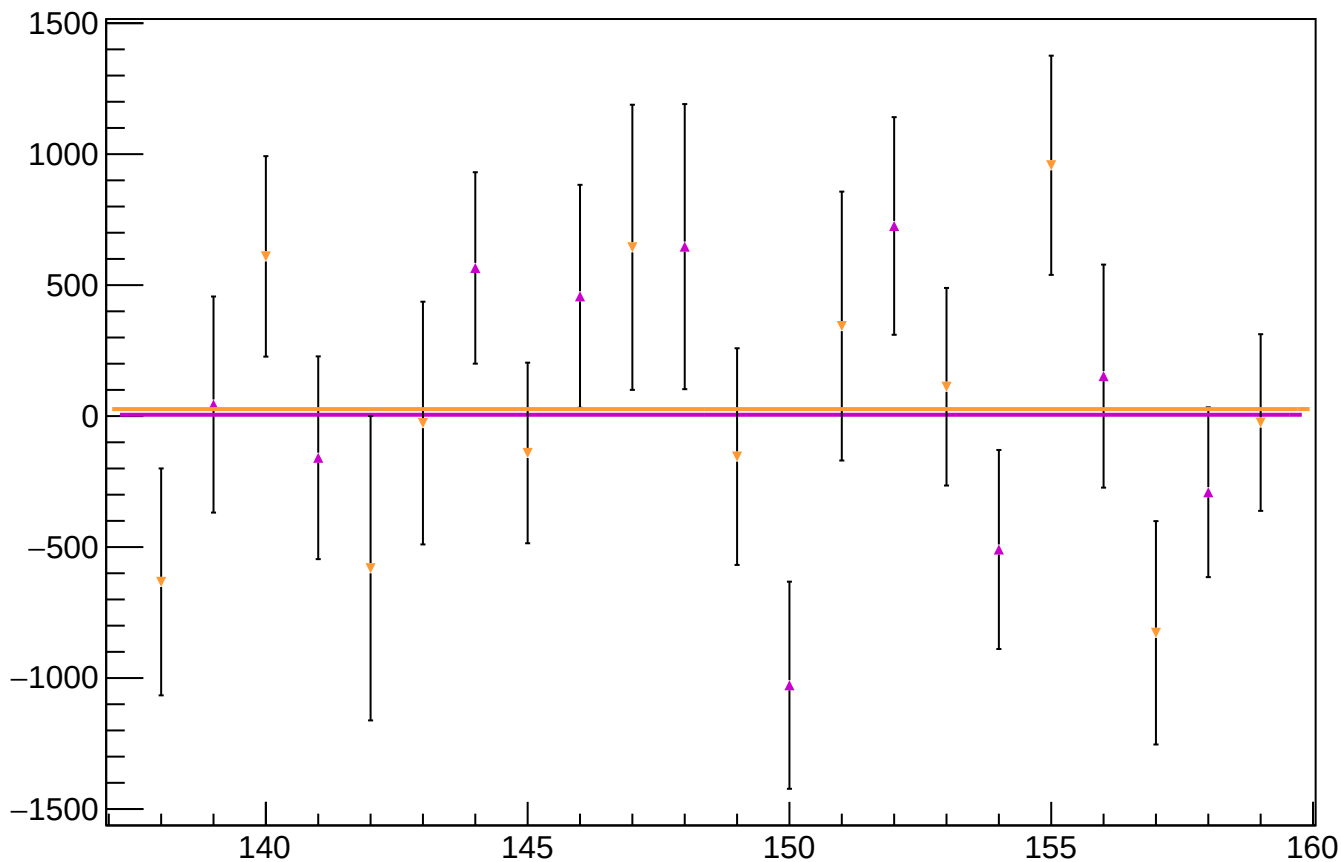
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 370.688+/-0.092 χ^2/NDF :186504.6/9

Out: 367.941+/-0.088 χ^2/NDF :288077.5/11

All: 369.250+/-0.063 χ^2/NDF : 475049.0/21

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: 26.783 $\pm$ 121.044 χ^2 /NDF:16.9/11

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

Left In: 5.123 $\pm$ 125.887 χ^2 /NDF:17.7/9

Left: 16.378 $\pm$ 87.253 χ^2 /NDF: 34.6/21

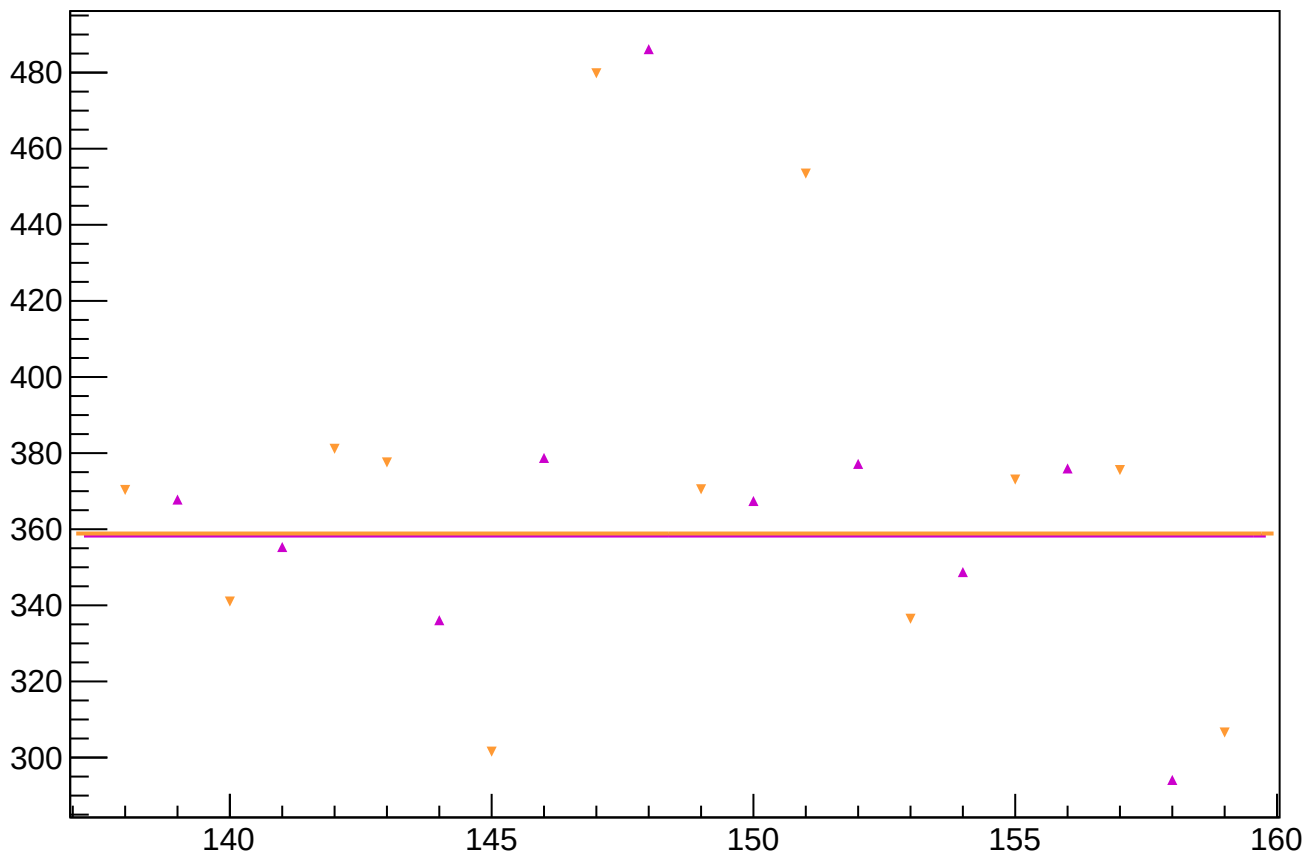
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 5.123 $\pm$ 125.887 χ^2 /NDF:17.7/9

Out: 26.783 $\pm$ 121.044 χ^2 /NDF:16.9/11

All: 16.378 $\pm$ 87.253 χ^2 /NDF: 34.6/21

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

Left Out: 358.873+/-0.086 χ^2/NDF :296018.9/11

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

Left In: 358.336+/-0.089 χ^2/NDF :211932.7/9

Left: 358.615+/-0.062 χ^2/NDF : 507970.5/21

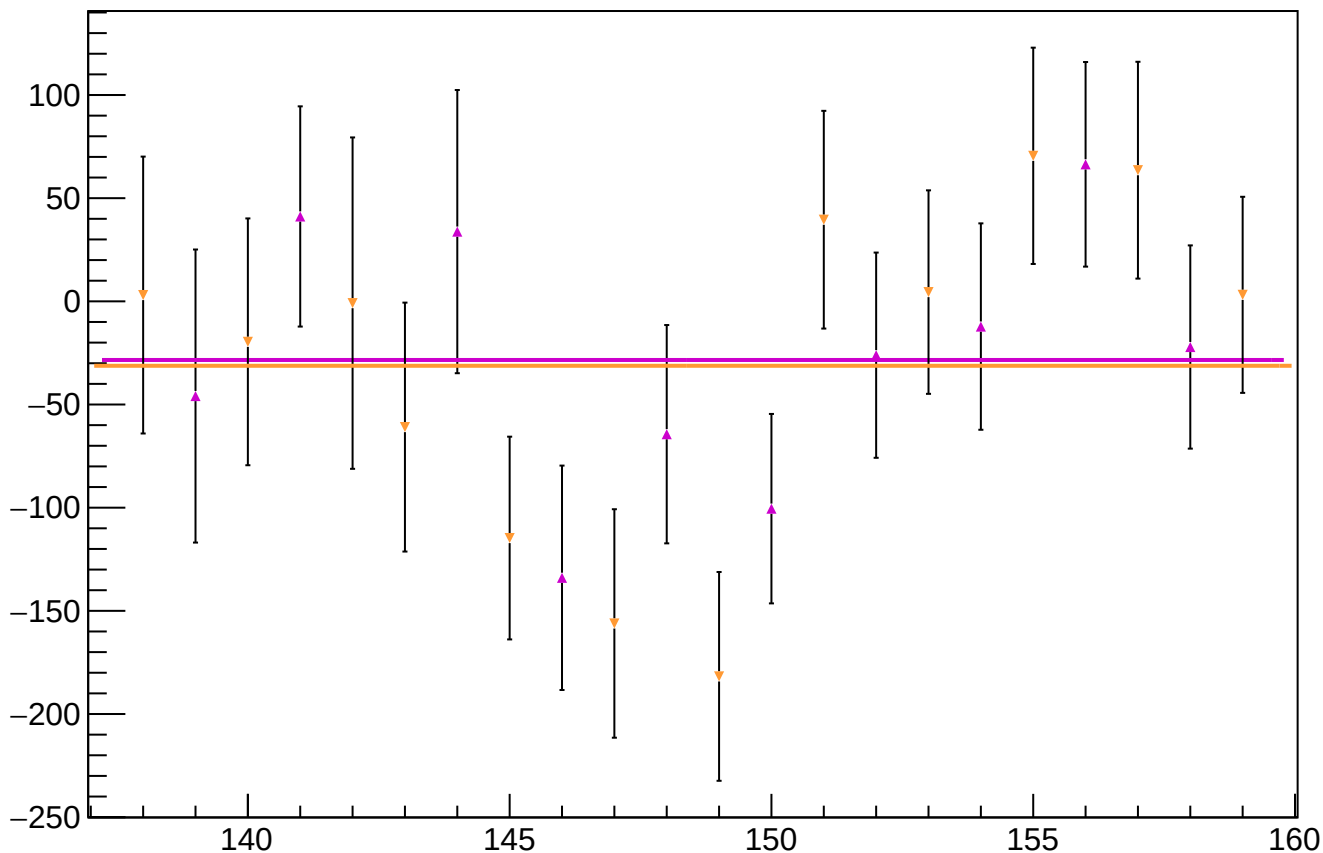
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 358.336+/-0.089 χ^2/NDF :211932.7/9

Out: 358.873+/-0.086 χ^2/NDF :296018.9/11

All: 358.615+/-0.062 χ^2/NDF : 507970.5/21

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

Left Out: -31.229+/-15.807 χ^2/NDF :27.4/11

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

Left In: -28.417+/-16.772 χ^2/NDF :13.1/9

Left: -29.906+/-11.503 χ^2/NDF : 40.5/21

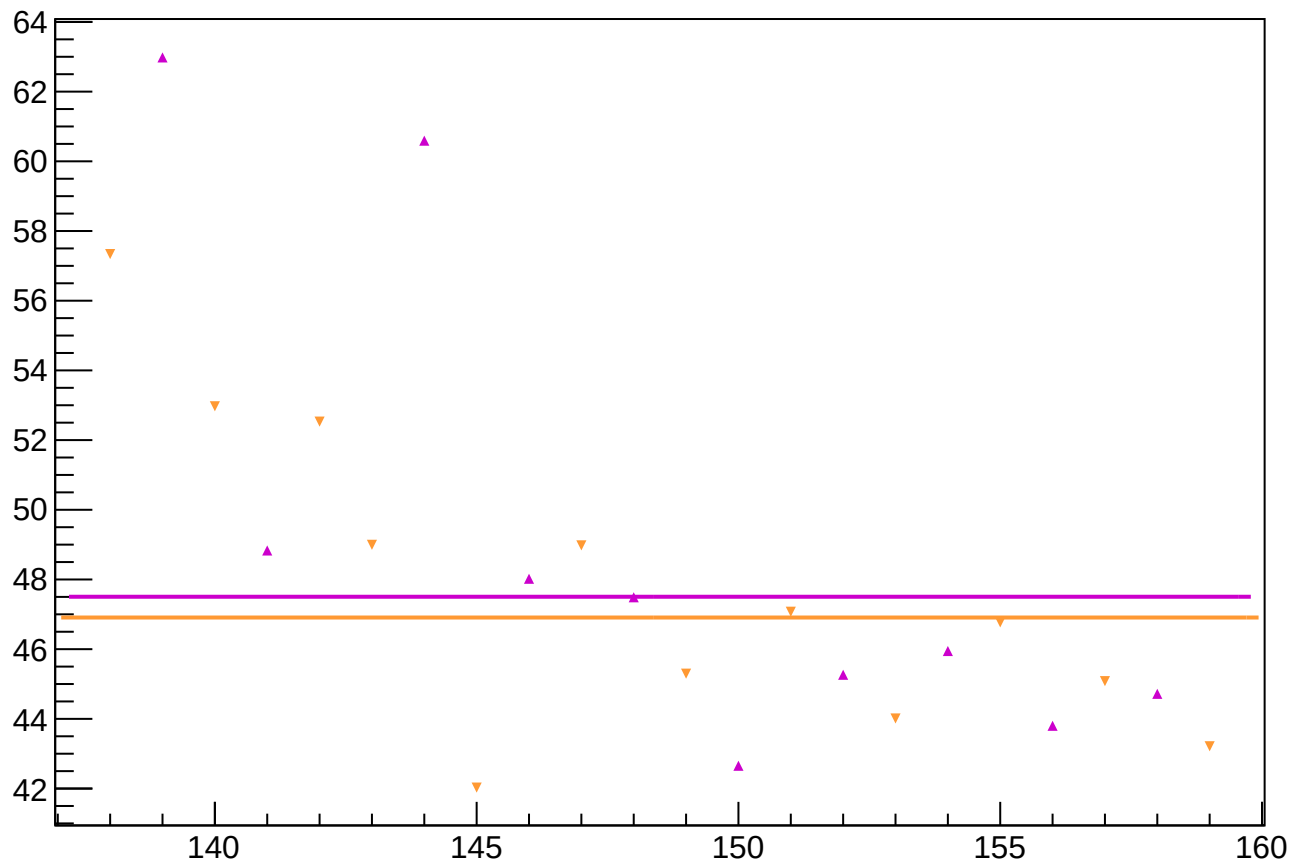
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -28.417+/-16.772 χ^2/NDF :13.1/9

Out: -31.229+/-15.807 χ^2/NDF :27.4/11

All: -29.906+/-11.503 χ^2/NDF : 40.5/21

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: 46.908+/-0.011 χ^2/NDF :127074.0/11

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

Left In: 47.504+/-0.012 χ^2/NDF :215026.7/9

Left: 47.189+/-0.008 χ^2/NDF : 343438.6/21

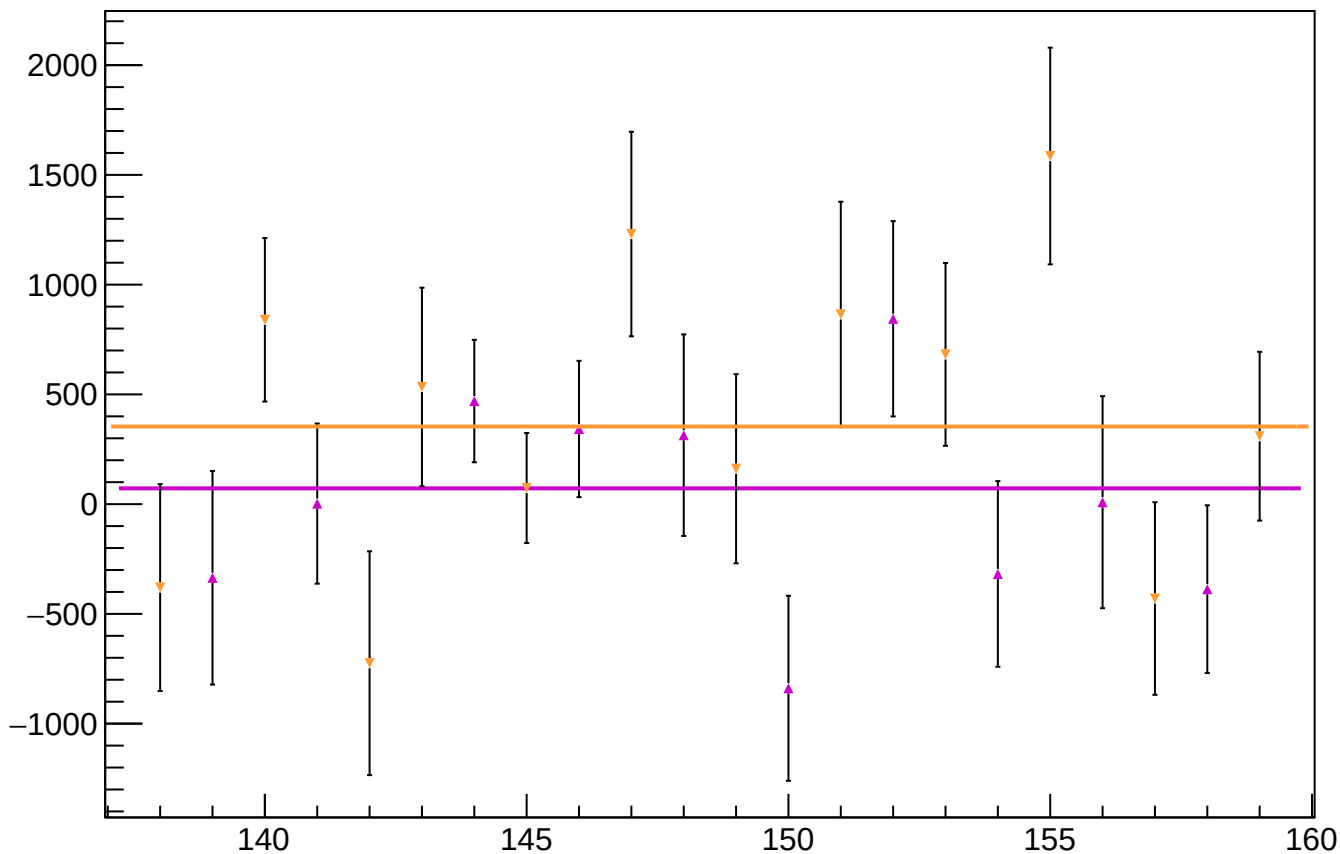
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.504+/-0.012 χ^2/NDF :215026.7/9

Out: 46.908+/-0.011 χ^2/NDF :127074.0/11

All: 47.189+/-0.008 χ^2/NDF : 343438.6/21

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: 353.662+/-117.878 χ^2/NDF :24.8/11

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

Left In: 71.940+/-122.048 χ^2/NDF :13.8/9

Left: 217.696+/-84.788 χ^2/NDF : 41.4/21

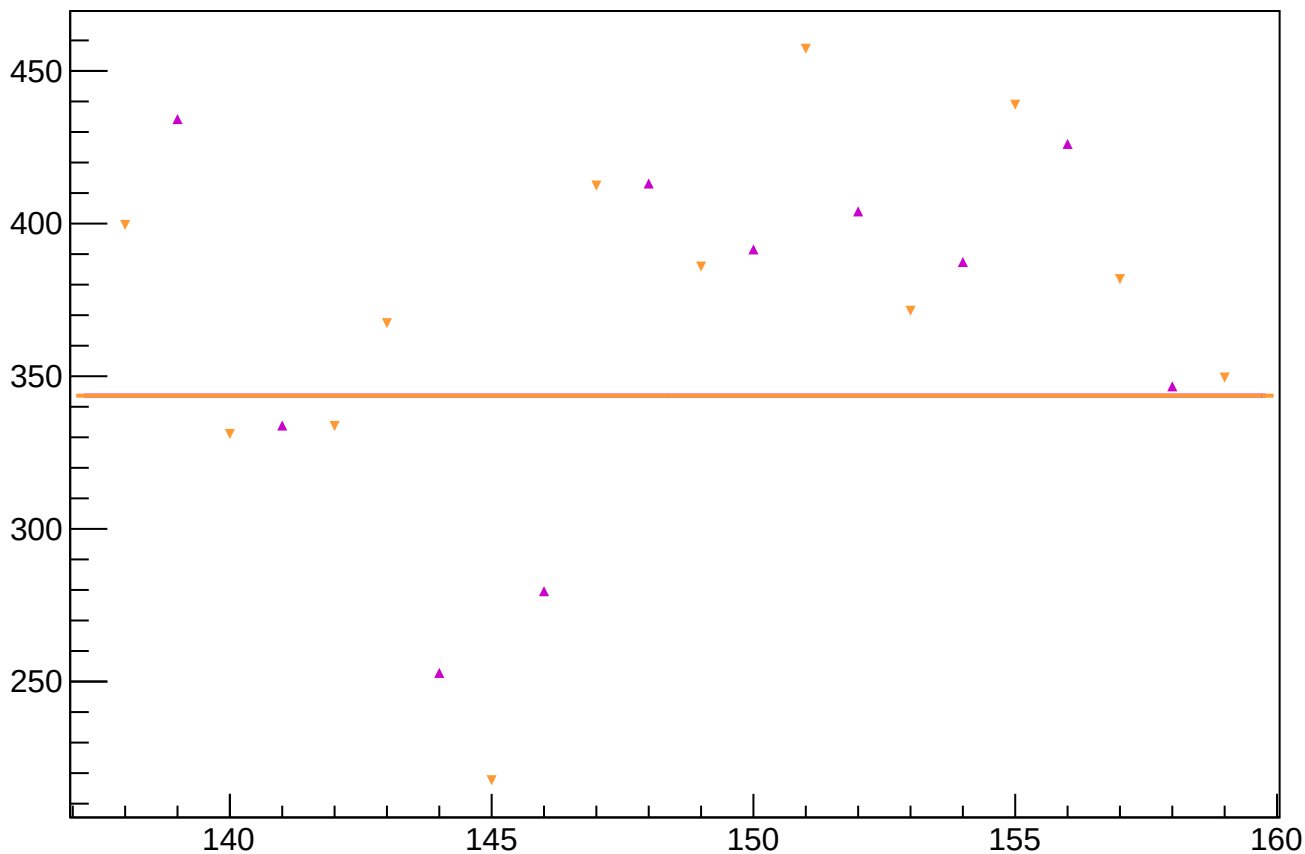
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 71.940+/-122.048 χ^2/NDF :13.8/9

Out: 353.662+/-117.878 χ^2/NDF :24.8/11

All: 217.696+/-84.788 χ^2/NDF : 41.4/21

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: 343.635+/-0.083 χ^2/NDF :801556.6/11

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

Left In: 343.658+/-0.086 χ^2/NDF :556288.0/9

Left: 343.646+/-0.060 χ^2/NDF : 1357844.7/21

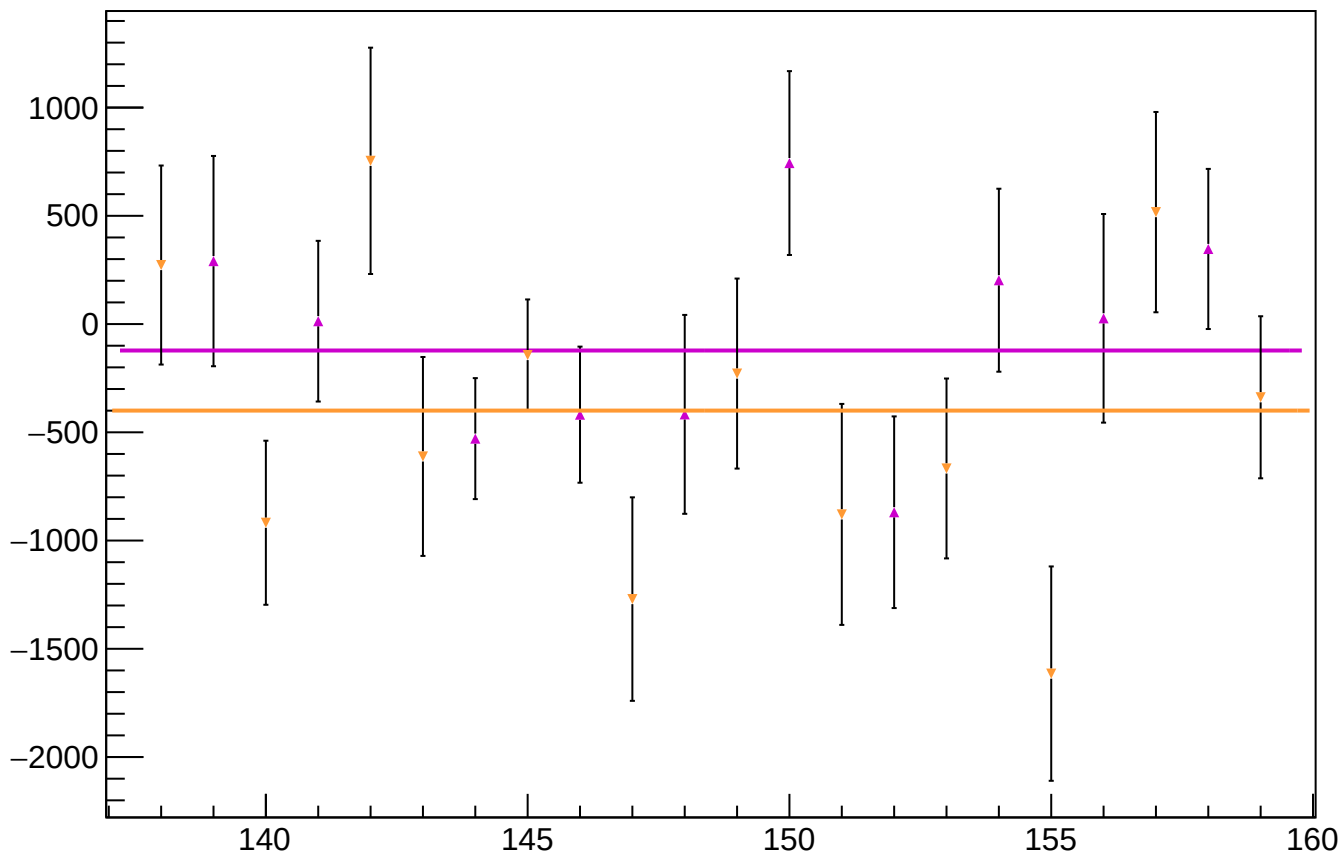
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 343.658+/-0.086 χ^2/NDF :556288.0/9

Out: 343.635+/-0.083 χ^2/NDF :801556.6/11

All: 343.646+/-0.060 χ^2/NDF : 1357844.7/21

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: -399.660 $\pm$ 119.106 χ^2 /NDF:24.9/11

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

Left In: -122.127 $\pm$ 122.138 χ^2 /NDF:13.6/9

Left: -264.381 $\pm$ 85.273 χ^2 /NDF: 41.2/21

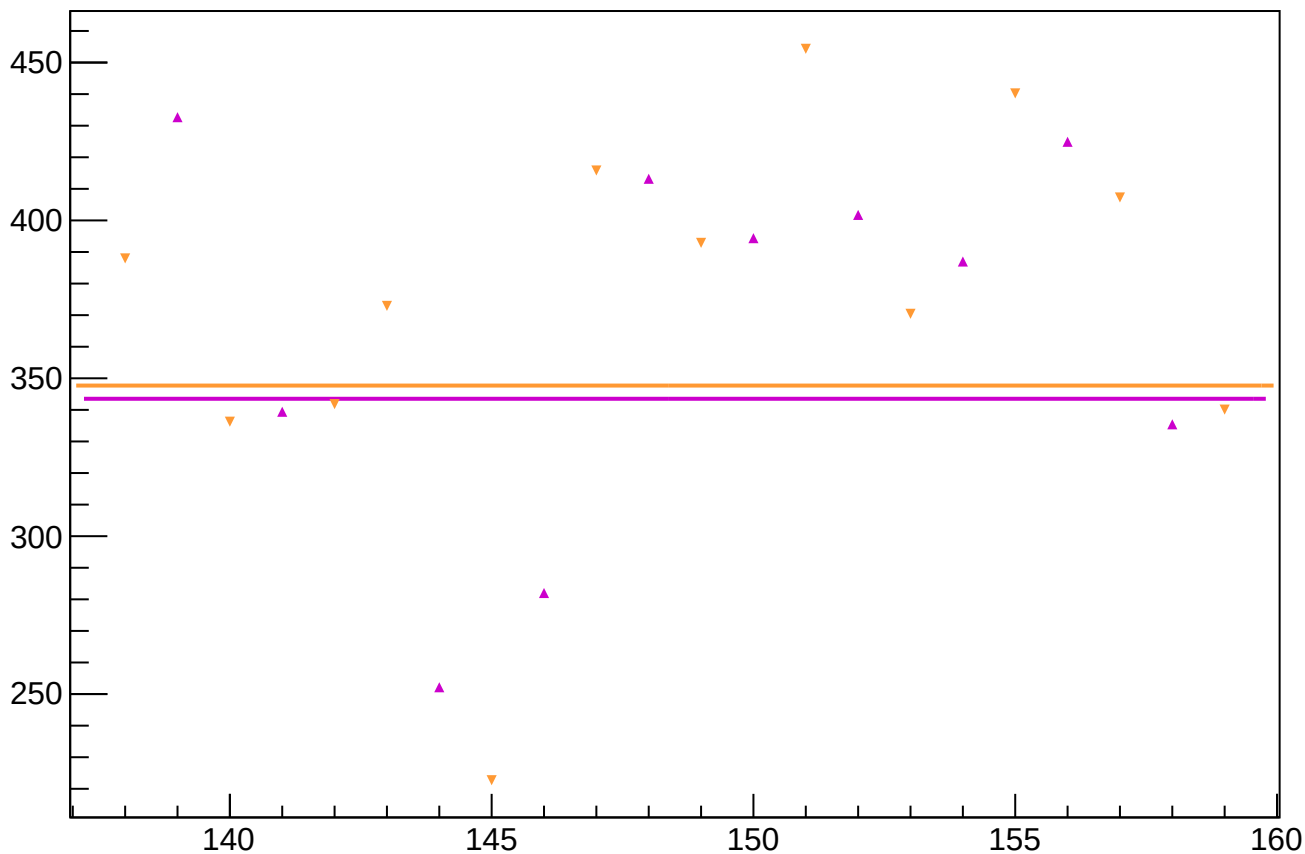
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -122.127 $\pm$ 122.138 χ^2 /NDF:13.6/9

Out: -399.660 $\pm$ 119.106 χ^2 /NDF:24.9/11

All: -264.381 $\pm$ 85.273 χ^2 /NDF: 41.2/21

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 347.701 $\pm$ 0.084 χ^2/NDF :757320.7/11

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

Left In: 343.517 $\pm$ 0.086 χ^2/NDF :546548.7/9

Left: 345.662 $\pm$ 0.060 χ^2/NDF : 1305072.7/21

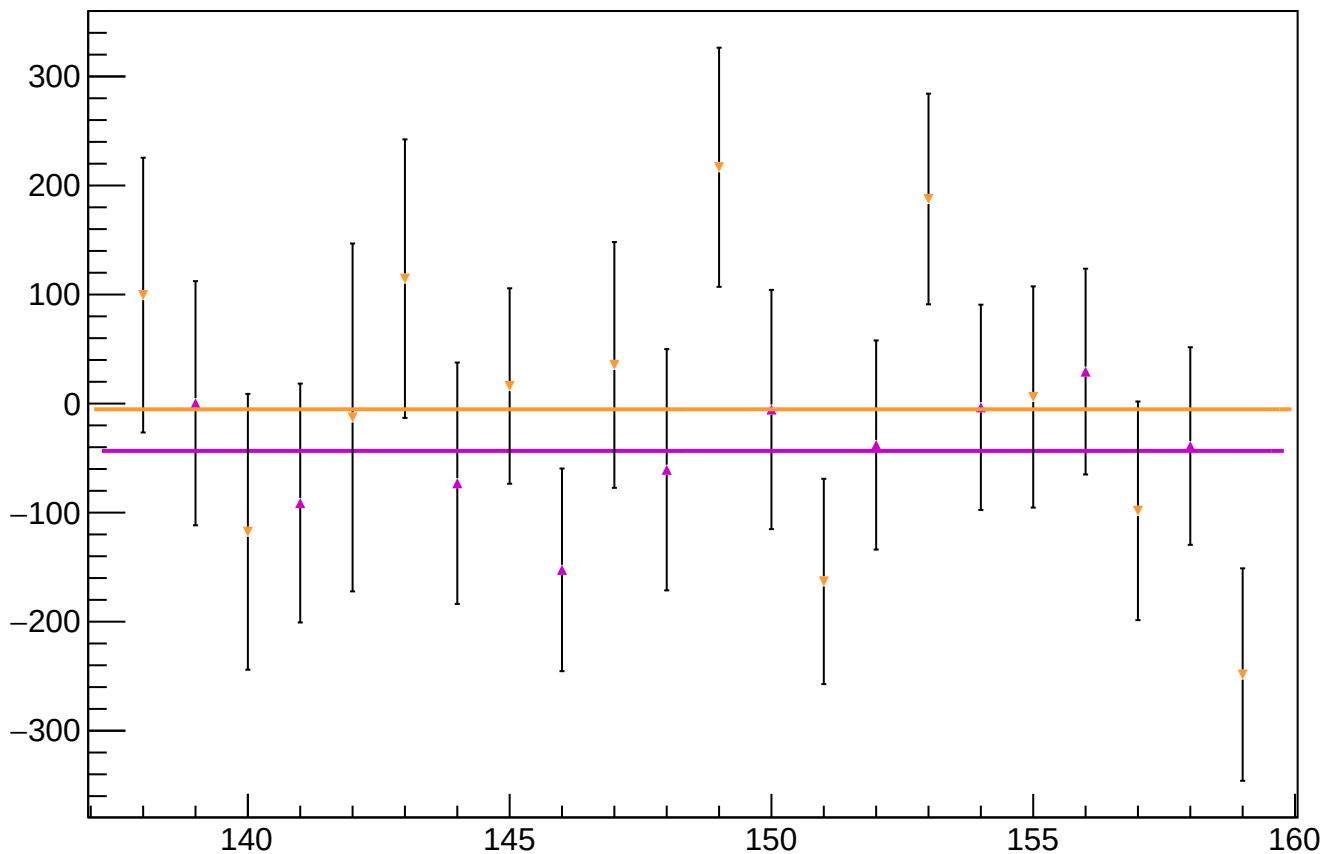
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 343.517 $\pm$ 0.086 χ^2/NDF :546548.7/9

Out: 347.701 $\pm$ 0.084 χ^2/NDF :757320.7/11

All: 345.662 $\pm$ 0.060 χ^2/NDF : 1305072.7/21

dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -5.240 ± 31.092 χ^2/NDF : 20.6/11

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -43.384 ± 31.925 χ^2/NDF : 2.7/9

Left: -23.808 ± 22.274 χ^2/NDF : 24.0/21

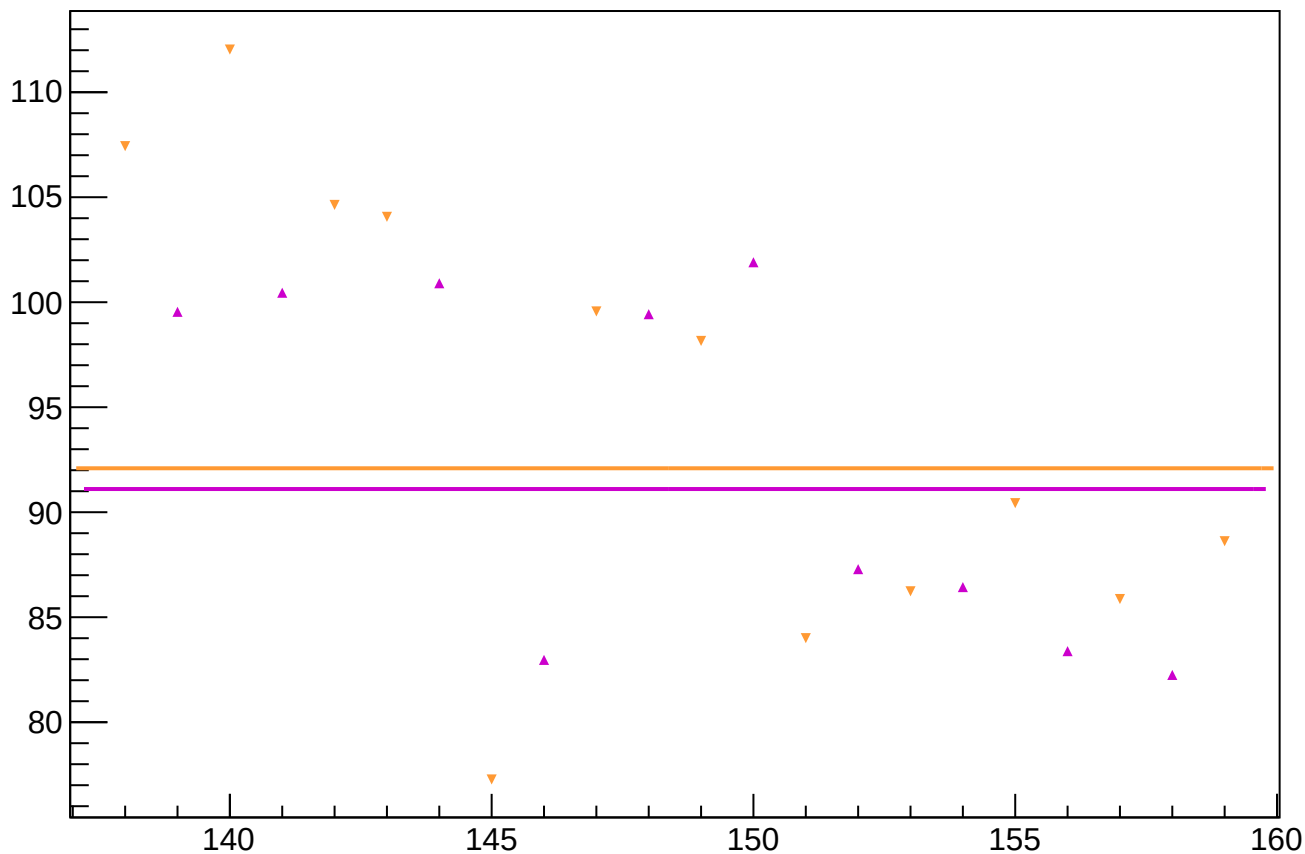
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -43.384 ± 31.925 χ^2/NDF : 2.7/9

Out: -5.240 ± 31.092 χ^2/NDF : 20.6/11

All: -23.808 ± 22.274 χ^2/NDF : 24.0/21

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

Left Out: 92.092+/-0.022 χ^2/NDF :211781.8/11

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

Left In: 91.104+/-0.023 χ^2/NDF :128217.0/9

Left: 91.611+/-0.016 χ^2/NDF : 340982.1/21

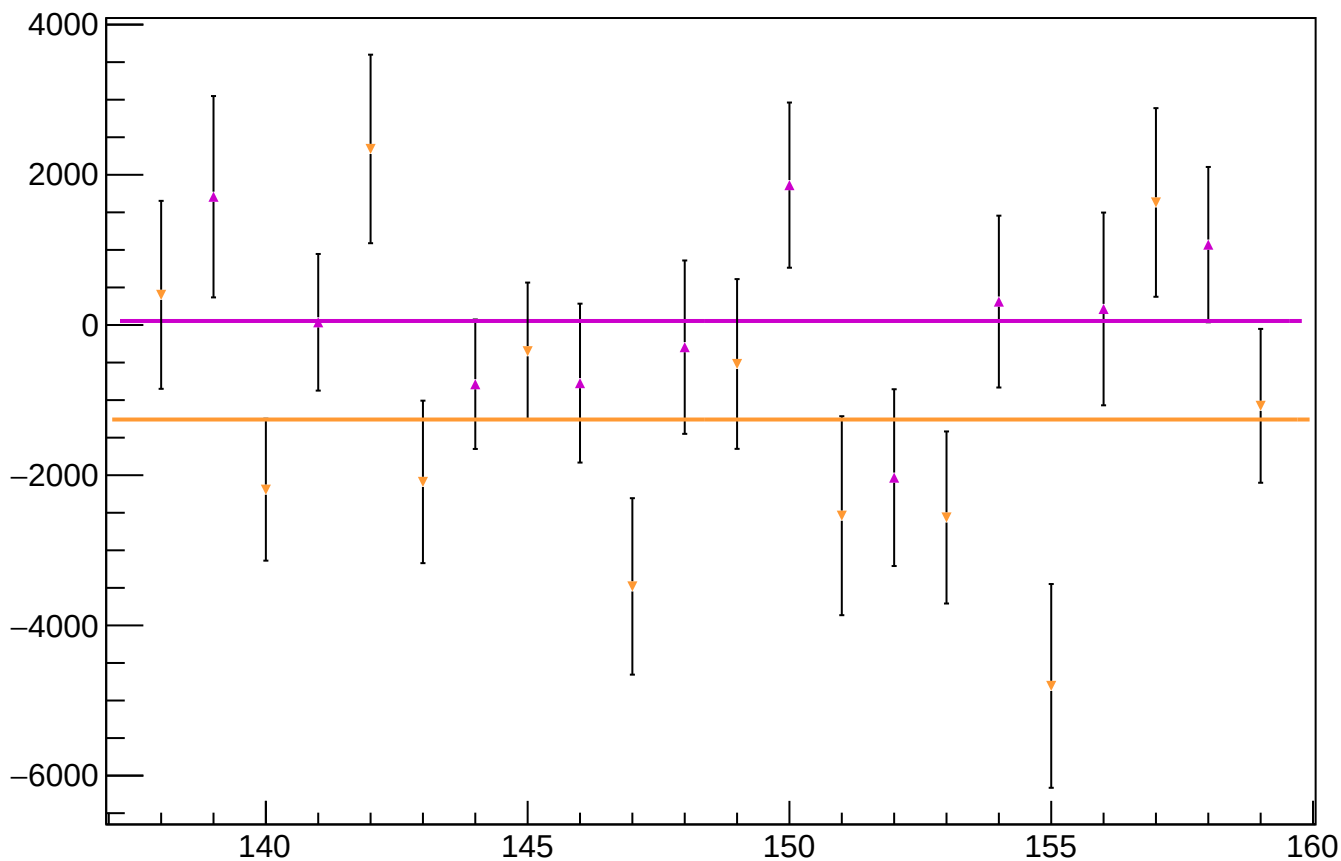
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 91.104+/-0.023 χ^2/NDF :128217.0/9

Out: 92.092+/-0.022 χ^2/NDF :211781.8/11

All: 91.611+/-0.016 χ^2/NDF : 340982.1/21

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1258.364+/-325.931 χ^2/NDF :31.0/11

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

Left In: 53.615+/-340.791 χ^2/NDF :10.1/9

Left: -631.603+/-235.546 χ^2/NDF : 48.8/21

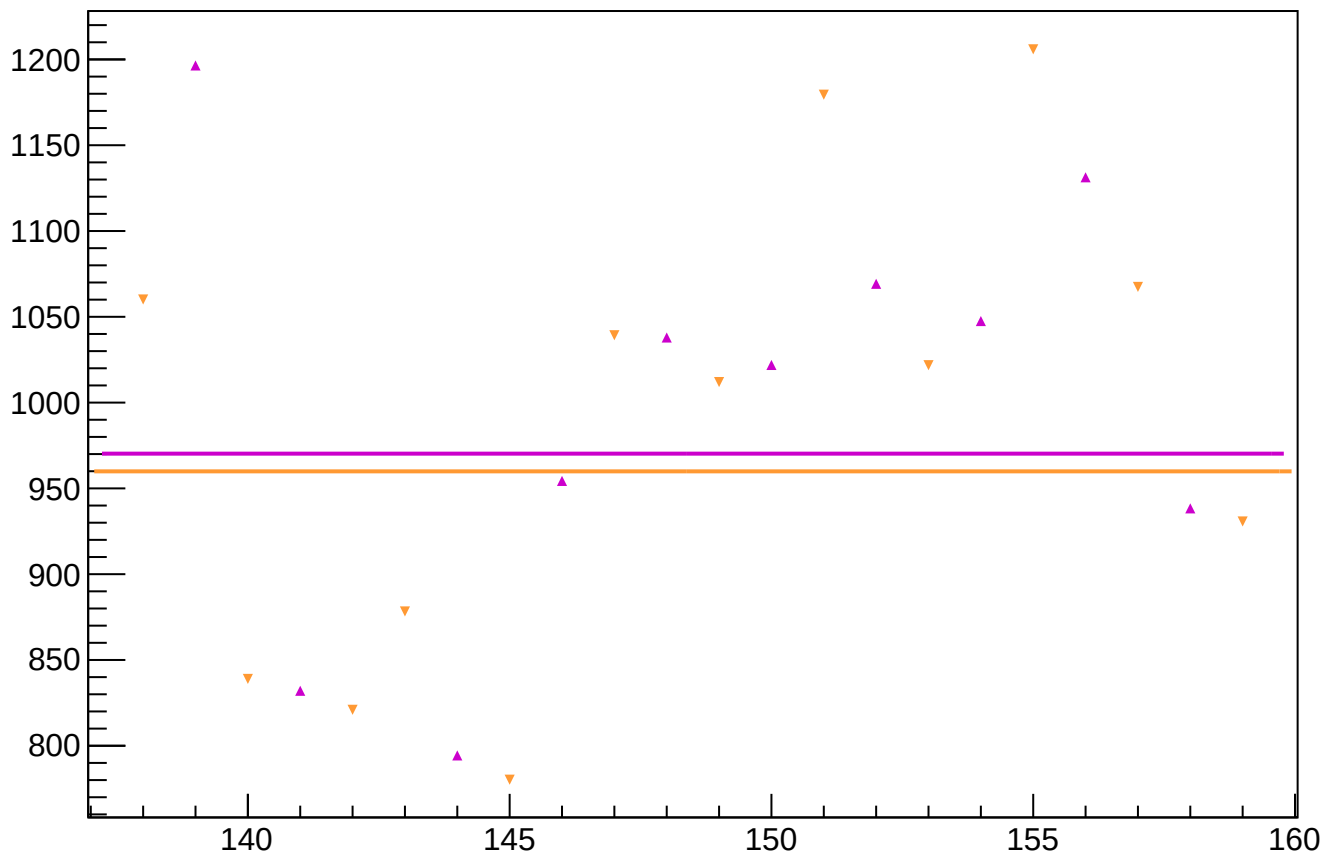
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 53.615+/-340.791 χ^2/NDF :10.1/9

Out: -1258.364+/-325.931 χ^2/NDF :31.0/11

All: -631.603+/-235.546 χ^2/NDF : 48.8/21

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: 959.928+/-0.230 χ^2/NDF :314877.9/11

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

Left In: 970.247+/-0.241 χ^2/NDF :254835.5/9

Left: 964.858+/-0.167 χ^2/NDF : 570671.0/21

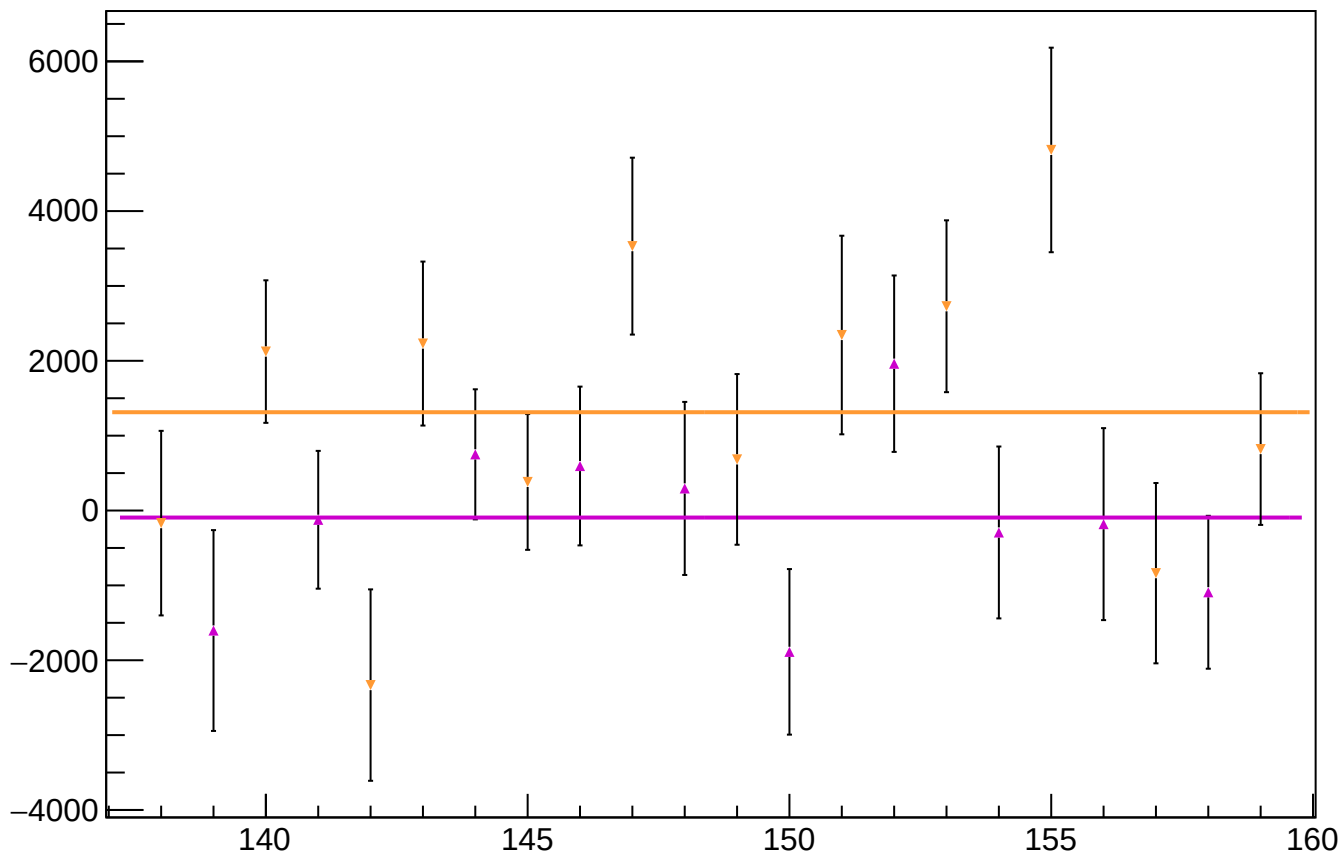
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 970.247+/-0.241 χ^2/NDF :254835.5/9

Out: 959.928+/-0.230 χ^2/NDF :314877.9/11

All: 964.858+/-0.167 χ^2/NDF : 570671.0/21

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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

Left Out: 1313.280+/-325.556 χ^2/NDF : 28.0/11

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

Left In: -93.843+/-341.756 χ^2/NDF : 9.4/9

Left: 643.858+/-235.722 χ^2/NDF : 46.3/21

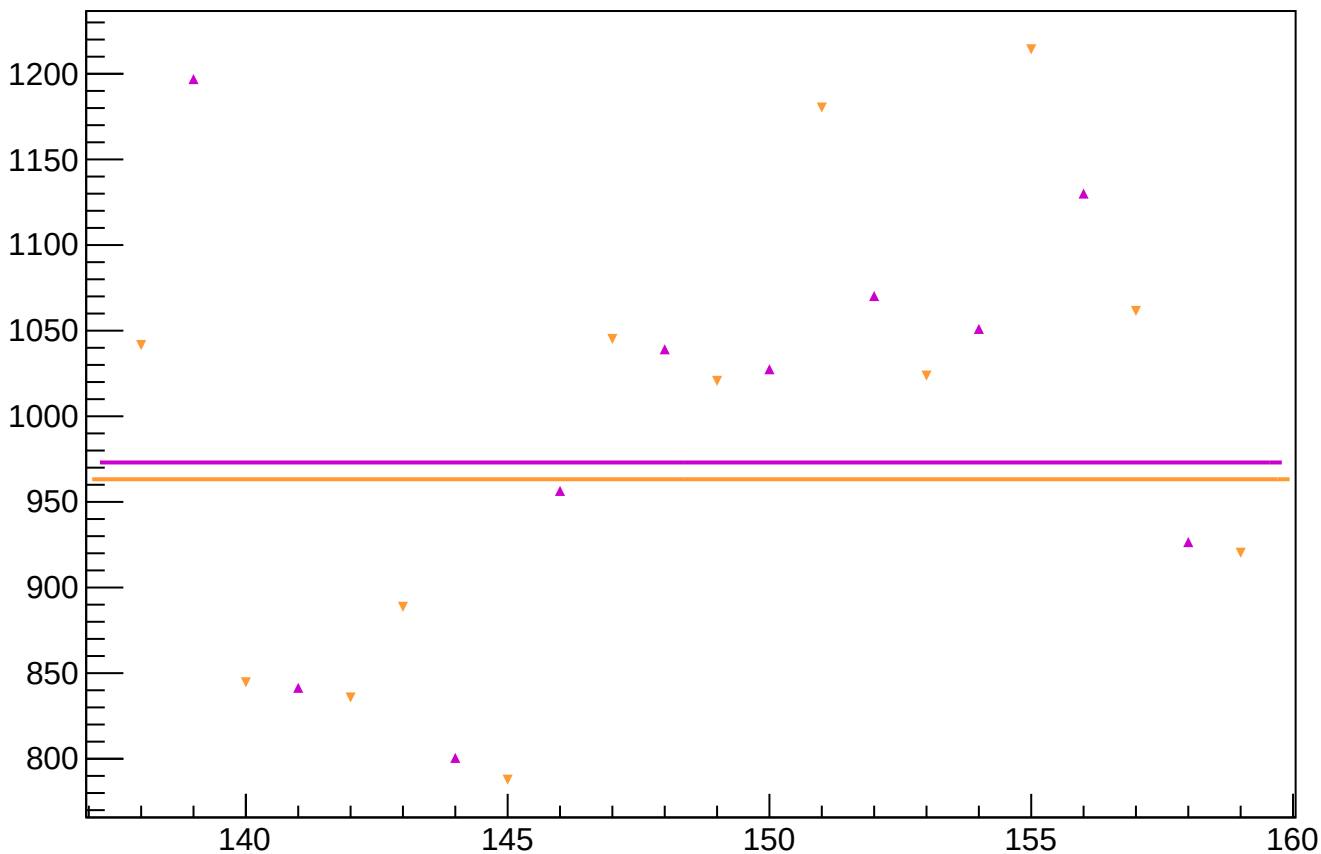
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -93.843+/-341.756 χ^2/NDF : 9.4/9

Out: 1313.280+/-325.556 χ^2/NDF : 28.0/11

All: 643.858+/-235.722 χ^2/NDF : 46.3/21

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

Left Out: 963.222+/-0.230 χ^2/NDF : 301337.1/11

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

Left In: 973.035+/-0.242 χ^2/NDF : 244301.9/9

Left: 967.890+/-0.167 χ^2/NDF : 546503.4/21

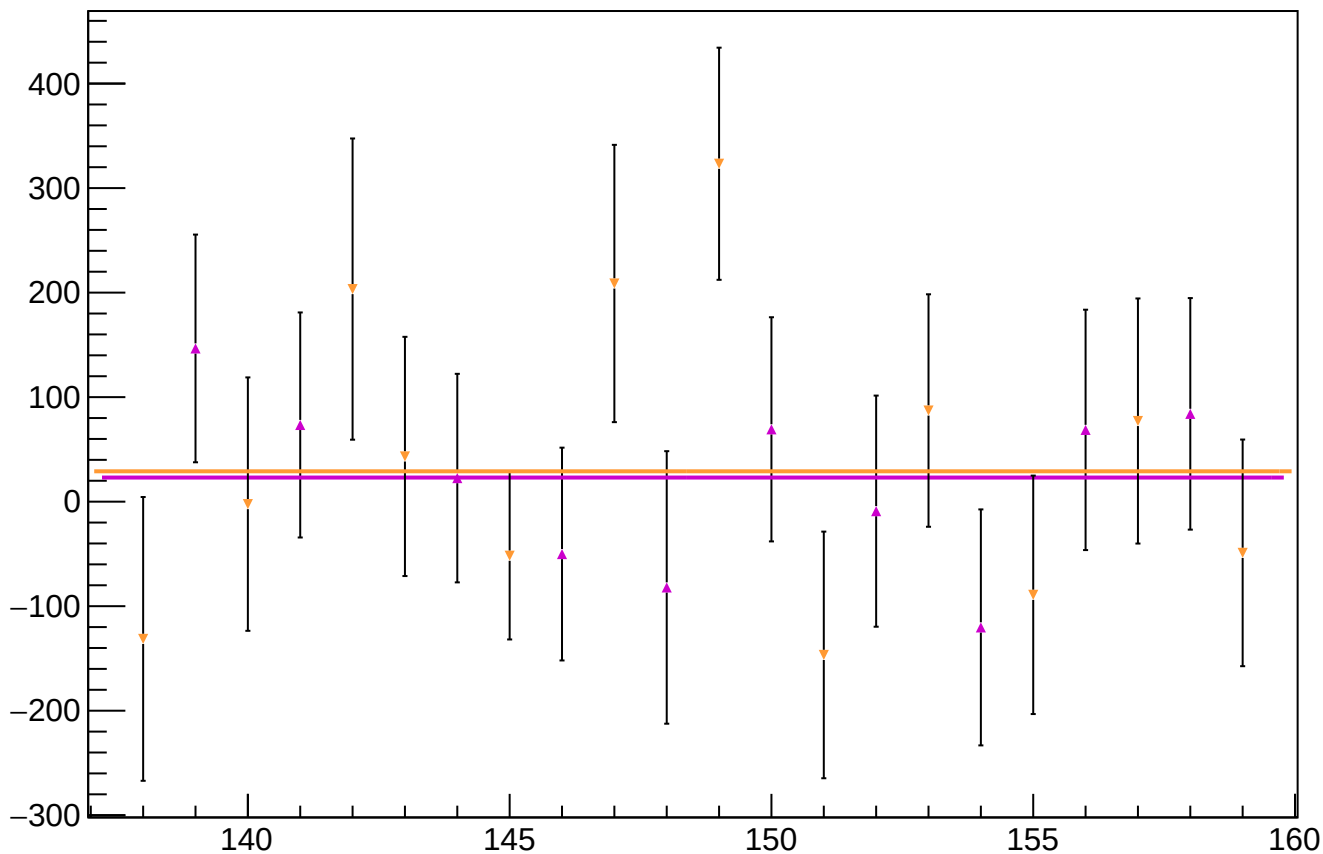
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 973.035+/-0.242 χ^2/NDF : 244301.9/9

Out: 963.222+/-0.230 χ^2/NDF : 301337.1/11

All: 967.890+/-0.167 χ^2/NDF : 546503.4/21

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 29.044 $\pm$ 32.829 χ^2 /NDF:17.1/11

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

Left In: 23.063 $\pm$ 34.695 χ^2 /NDF:5.0/9

Left: 26.218 $\pm$ 23.846 χ^2 /NDF: 22.1/21

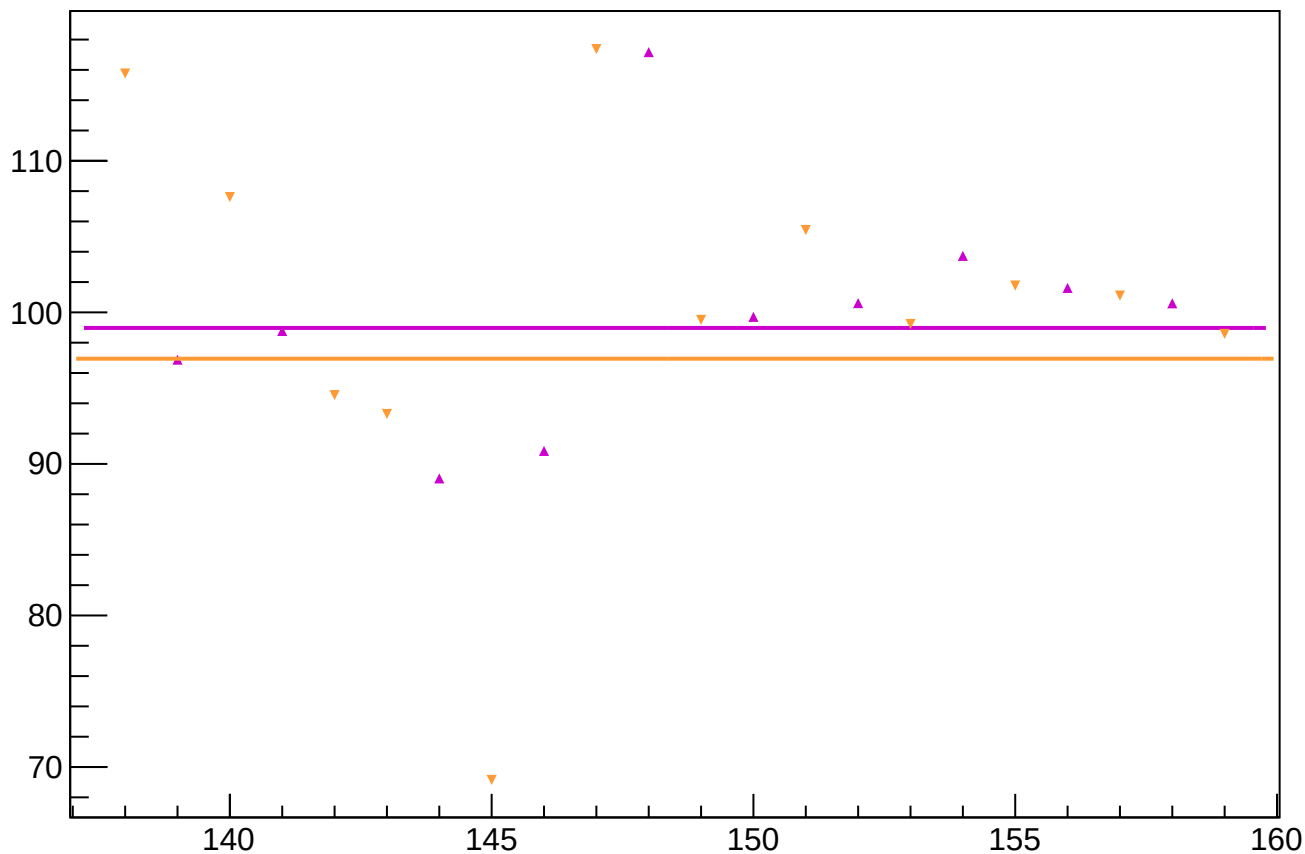
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 23.063 $\pm$ 34.695 χ^2 /NDF:5.0/9

Out: 29.044 $\pm$ 32.829 χ^2 /NDF:17.1/11

All: 26.218 $\pm$ 23.846 χ^2 /NDF: 22.1/21

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: 96.944+/-0.023 χ^2/NDF :363403.1/11

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

Left In: 98.973+/-0.025 χ^2/NDF :77804.8/9

Left: 97.902+/-0.017 χ^2/NDF : 444816.8/21

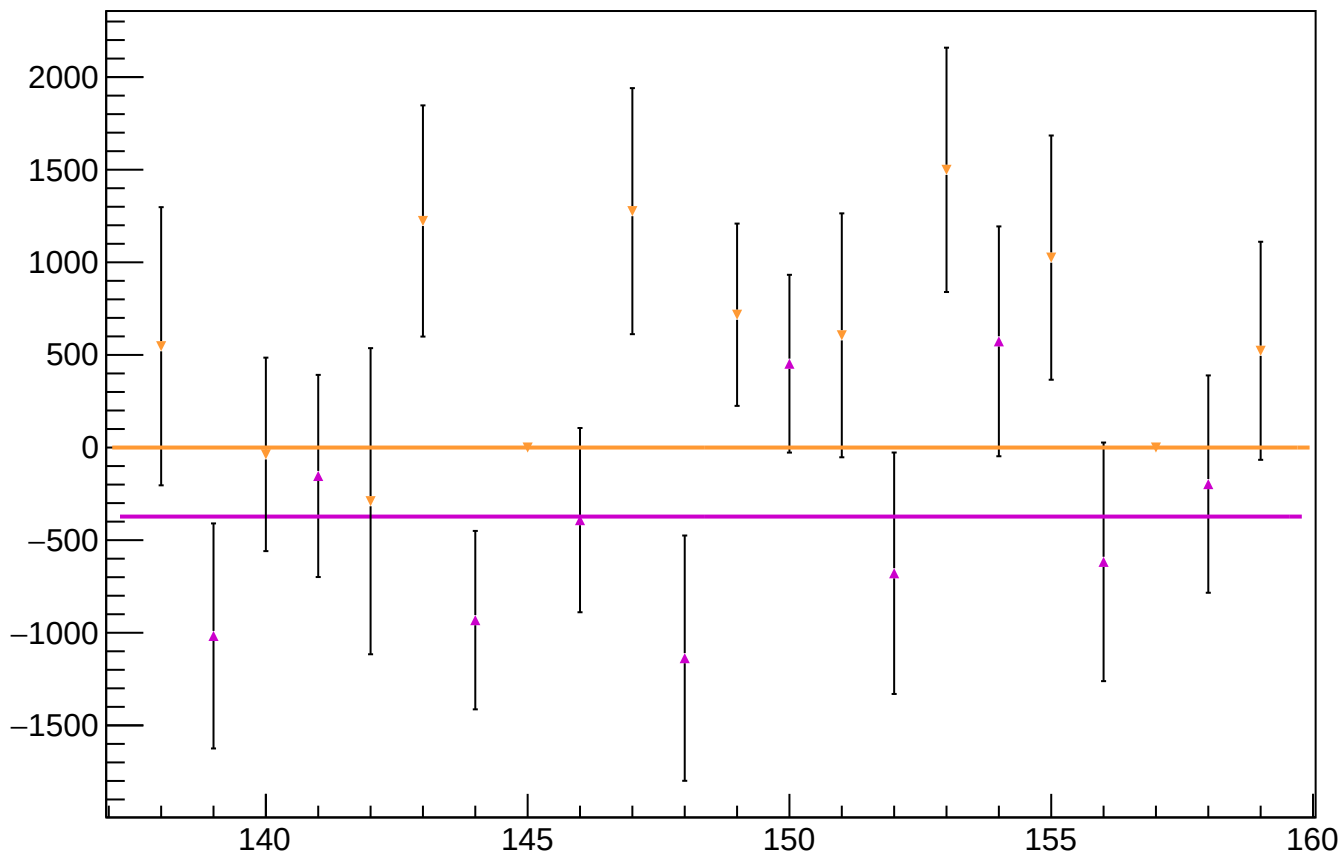
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 98.973+/-0.025 χ^2/NDF :77804.8/9

Out: 96.944+/-0.023 χ^2/NDF :363403.1/11

All: 97.902+/-0.017 χ^2/NDF : 444816.8/21

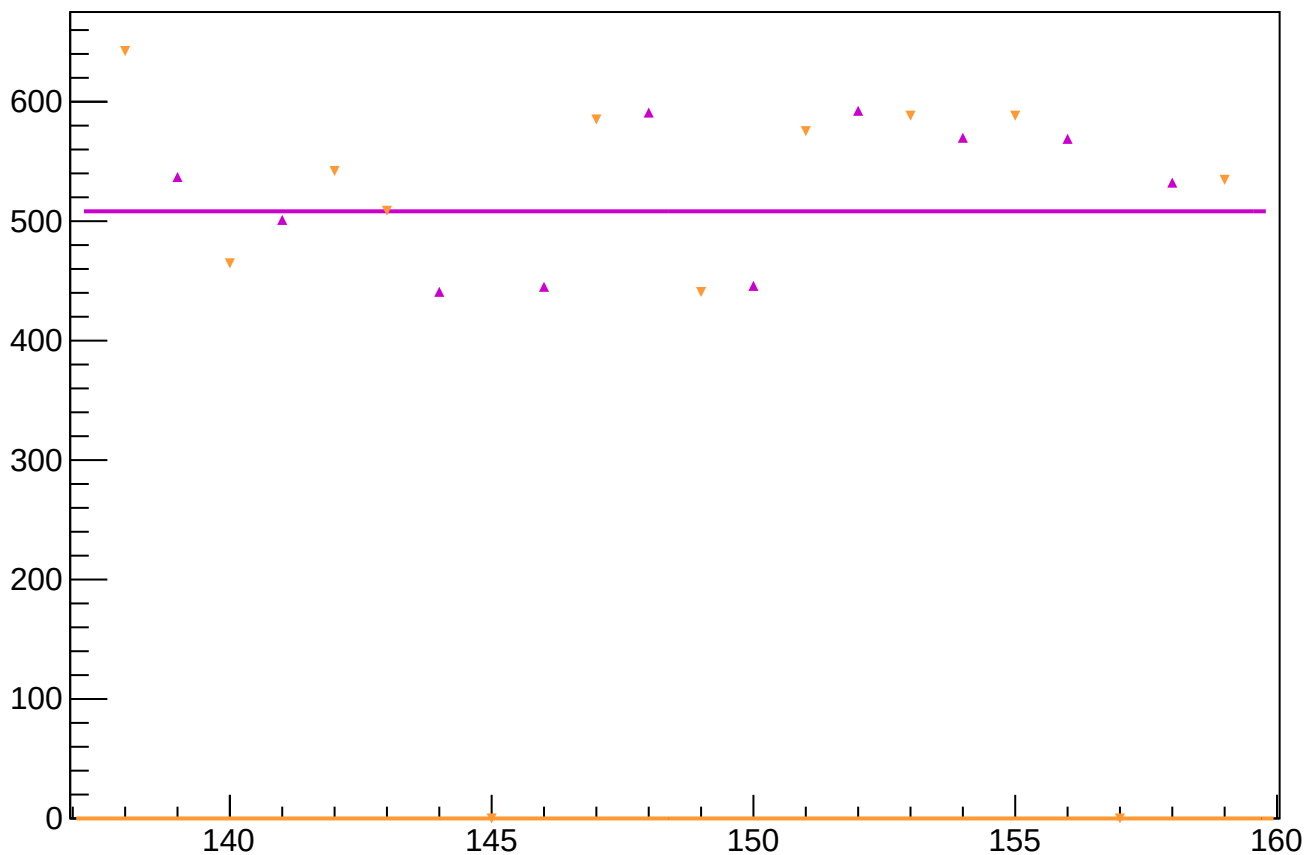
asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.000+/-0.000 χ^2/NDF :19.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -372.701+/-178.713 χ^2/NDF :9.7/9

Left: -0.000+/-0.000 χ^2/NDF : 33.9/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -372.701+/-178.713 χ^2/NDF :9.7/9
 Out: -0.000+/-0.000 χ^2/NDF :19.8/11
 All: -0.000+/-0.000 χ^2/NDF : 33.9/21

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 :14752565.3/11

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

Left In: 508.262+/-0.126 χ^2/NDF :215392.5/9

Left: 0.000+/-0.000 χ^2/NDF : 31144846.7/21

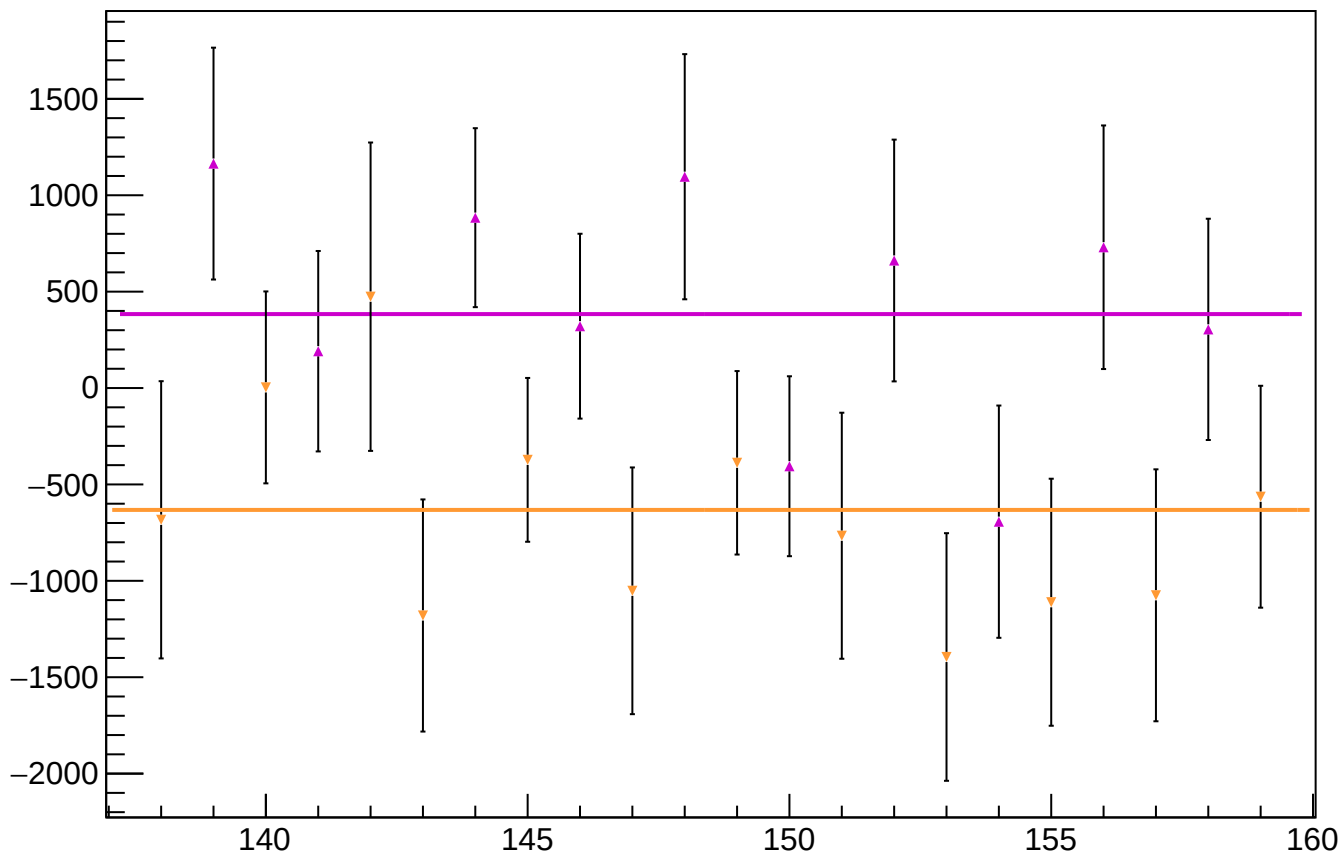
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 508.262+/-0.126 χ^2/NDF :215392.5/9

Out: 0.000+/-0.000 χ^2/NDF :14752565.3/11

All: 0.000+/-0.000 χ^2/NDF : 31144846.7/21

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -632.170+/-168.149 χ^2/NDF : 7.9/11

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

Left In: 383.620+/-173.122 χ^2/NDF : 10.8/9

Left: -139.073+/-120.619 χ^2/NDF : 36.5/21

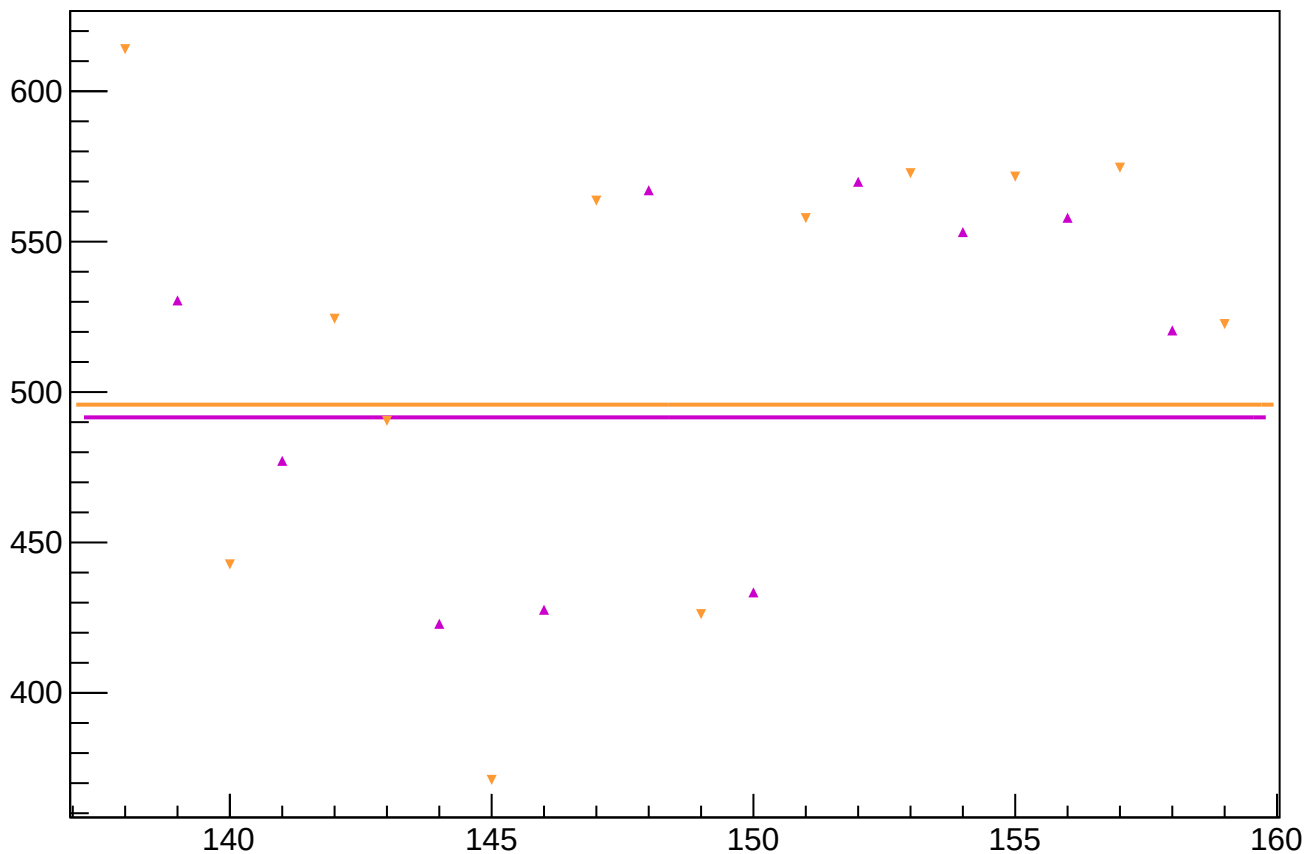
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 383.620+/-173.122 χ^2/NDF : 10.8/9

Out: -632.170+/-168.149 χ^2/NDF : 7.9/11

All: -139.073+/-120.619 χ^2/NDF : 36.5/21

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 495.812+/-0.119 χ^2/NDF : 426120.4/11

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

Left In: 491.594+/-0.122 χ^2/NDF : 227718.1/9

Left: 493.765+/-0.085 χ^2/NDF : 654449.4/21

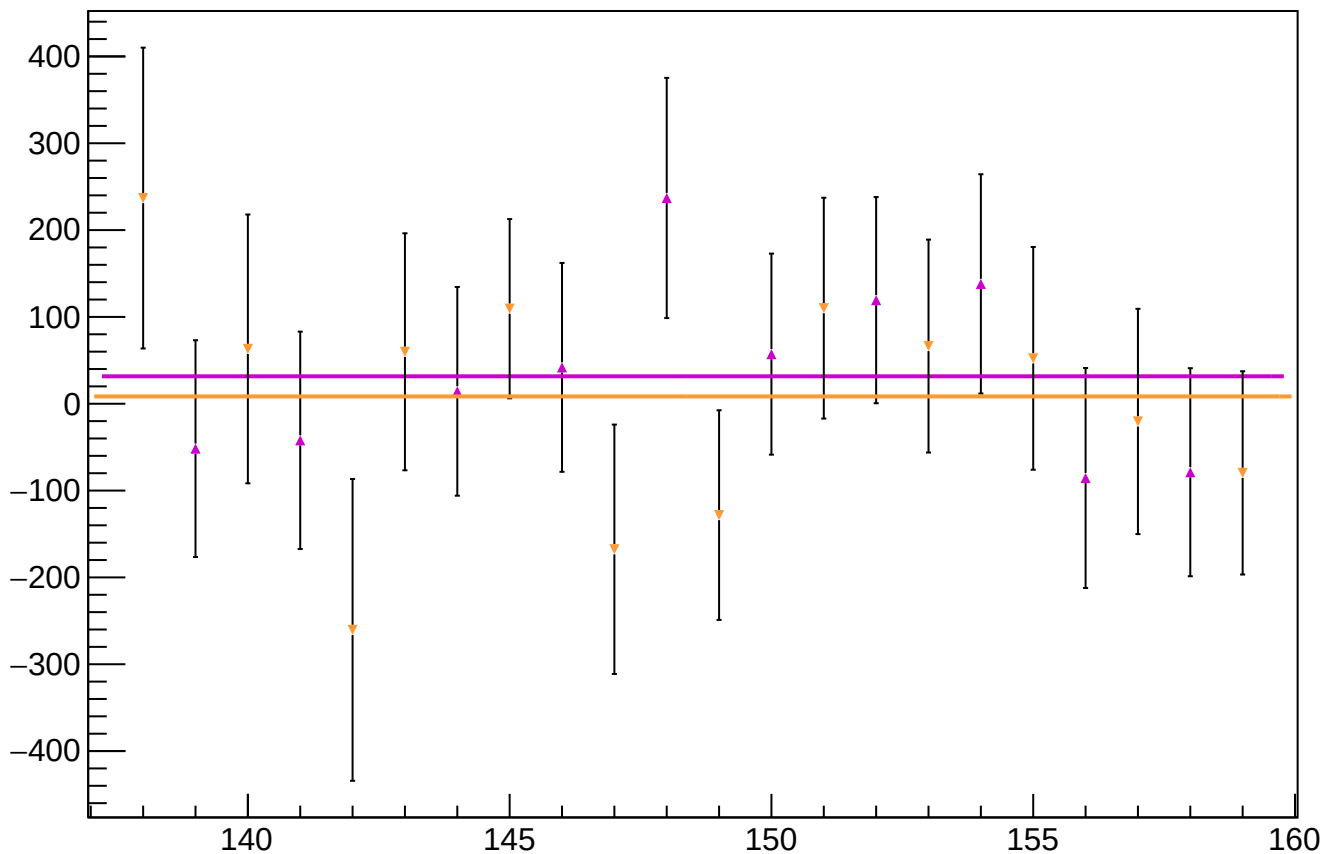
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 491.594+/-0.122 χ^2/NDF : 227718.1/9

Out: 495.812+/-0.119 χ^2/NDF : 426120.4/11

All: 493.765+/-0.085 χ^2/NDF : 654449.4/21

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: 8.433 $\pm$ 37.948 χ^2 /NDF:9.7/11

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

Left In: 31.614 $\pm$ 38.956 χ^2 /NDF:6.0/9

Left: 19.720 $\pm$ 27.183 χ^2 /NDF: 16.0/21

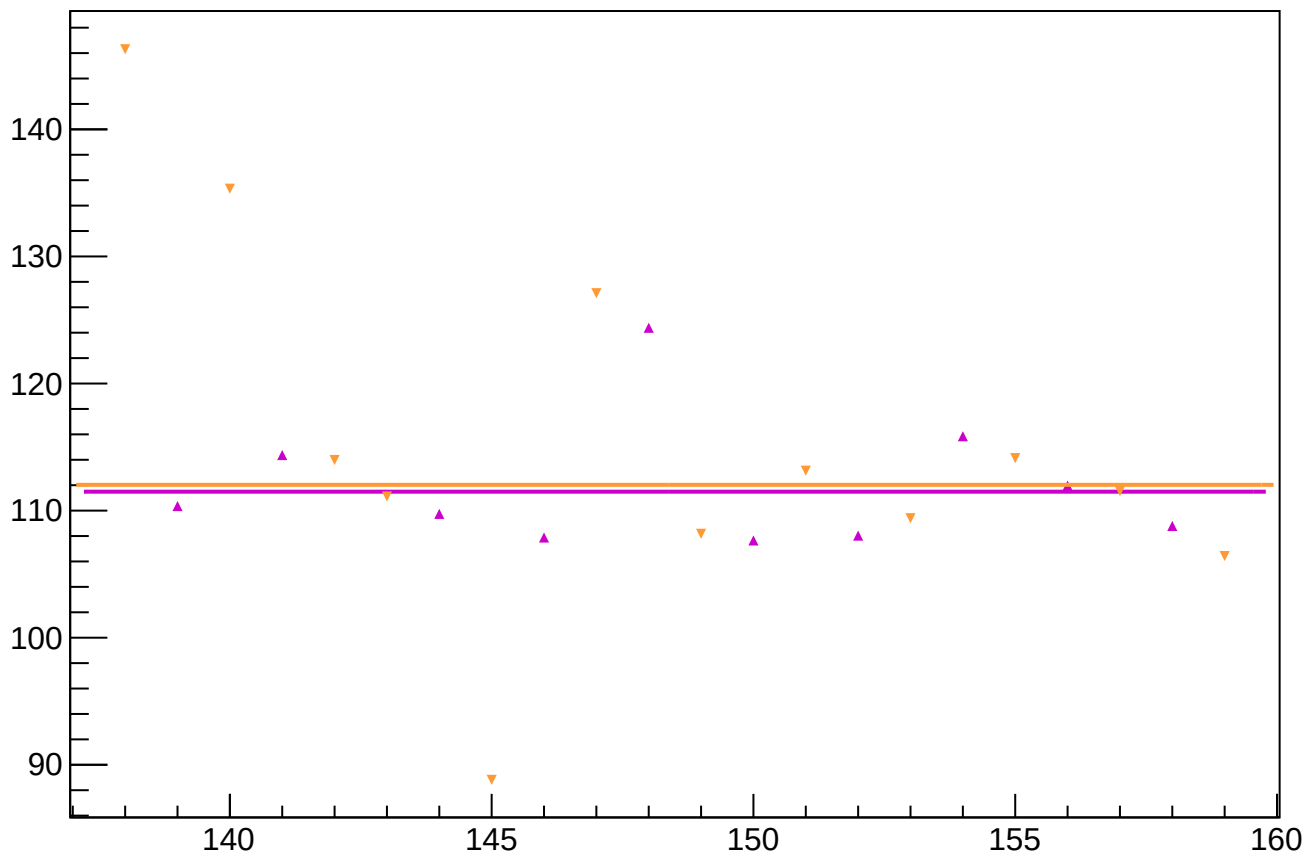
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 31.614 $\pm$ 38.956 χ^2 /NDF:6.0/9

Out: 8.433 $\pm$ 37.948 χ^2 /NDF:9.7/11

All: 19.720 $\pm$ 27.183 χ^2 /NDF: 16.0/21

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 112.030+/-0.027 χ^2/NDF :255481.1/11

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

Left In: 111.490+/-0.028 χ^2/NDF :28160.3/9

Left: 111.767+/-0.019 χ^2/NDF : 283838.8/21

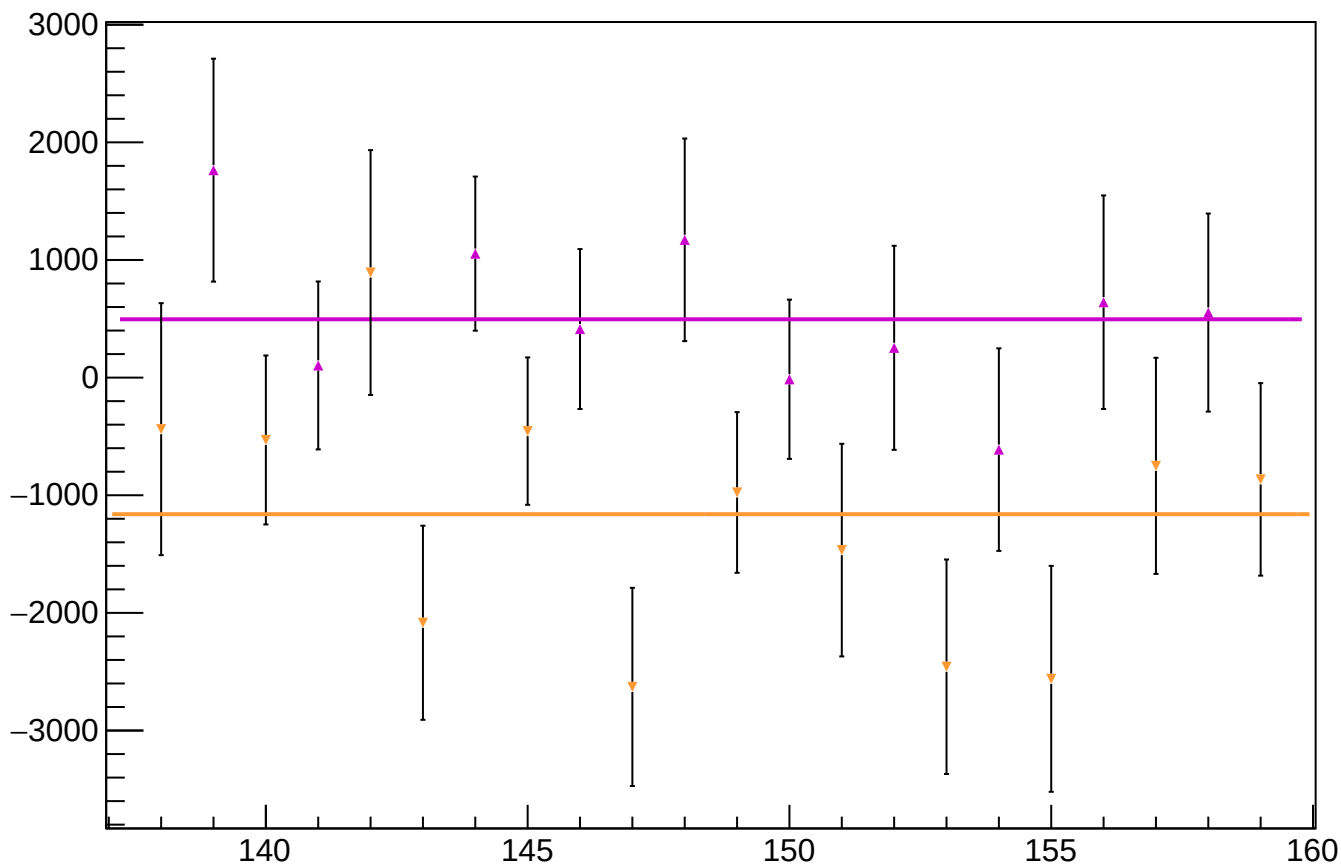
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 111.490+/-0.028 χ^2/NDF :28160.3/9

Out: 112.030+/-0.027 χ^2/NDF :255481.1/11

All: 111.767+/-0.019 χ^2/NDF : 283838.8/21

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1161.117+/-239.076 χ^2/NDF :15.4/11

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

Left In: 495.855+/-246.887 χ^2/NDF :5.8/9

Left: -359.257+/-171.747 χ^2/NDF : 44.4/21

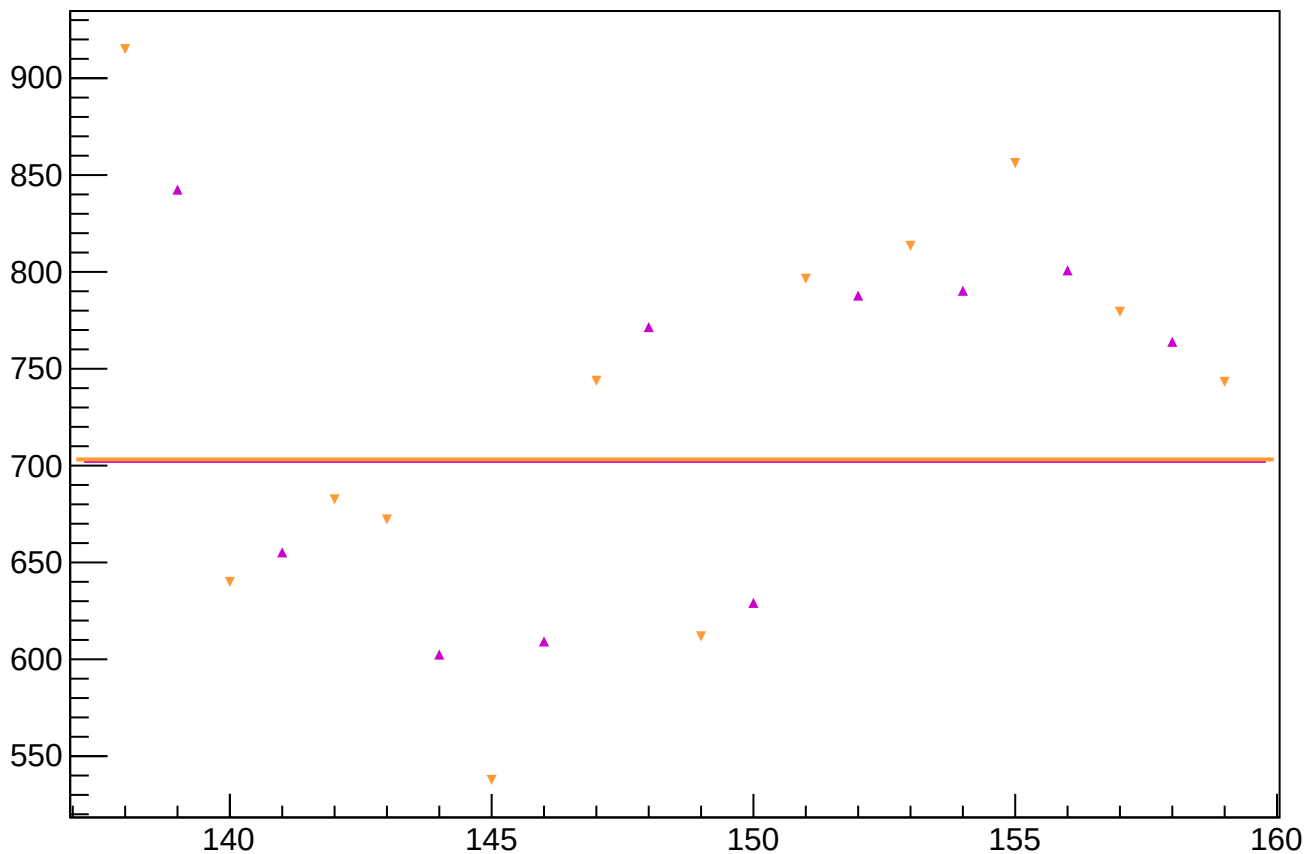
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 495.855+/-246.887 χ^2/NDF :5.8/9

Out: -1161.117+/-239.076 χ^2/NDF :15.4/11

All: -359.257+/-171.747 χ^2/NDF : 44.4/21

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 703.192+/-0.169 χ^2/NDF :397201.9/11

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

Left In: 702.429+/-0.175 χ^2/NDF :247305.8/9

Left: 702.823+/-0.121 χ^2/NDF : 644517.5/21

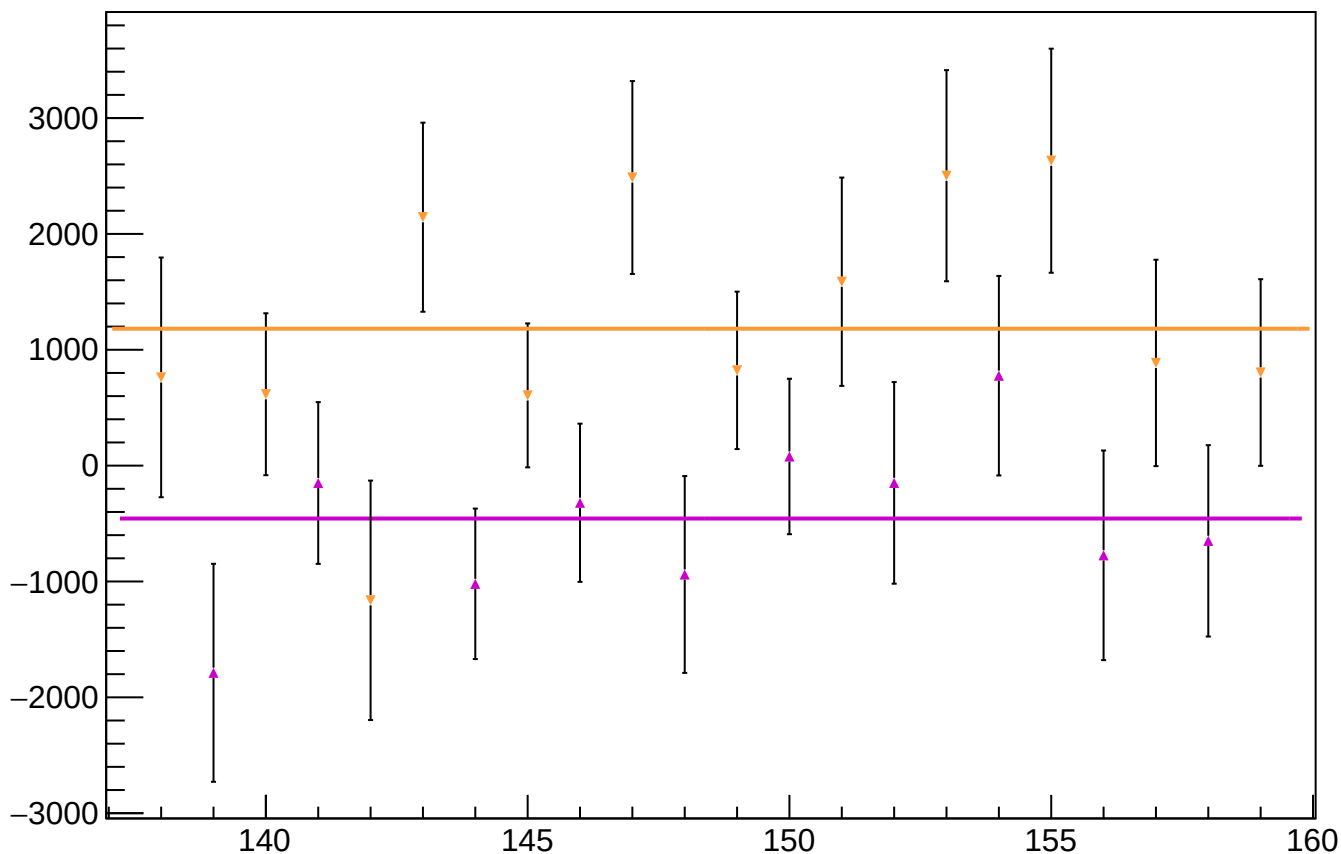
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 702.429+/-0.175 χ^2/NDF :247305.8/9

Out: 703.192+/-0.169 χ^2/NDF :397201.9/11

All: 702.823+/-0.121 χ^2/NDF : 644517.5/21

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 1181.729 $\pm$ 236.134 χ^2 /NDF:15.8/11

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

Left In: -456.624 $\pm$ 244.963 χ^2 /NDF:6.3/9

Left: 392.609 $\pm$ 170.008 χ^2 /NDF: 45.3/21

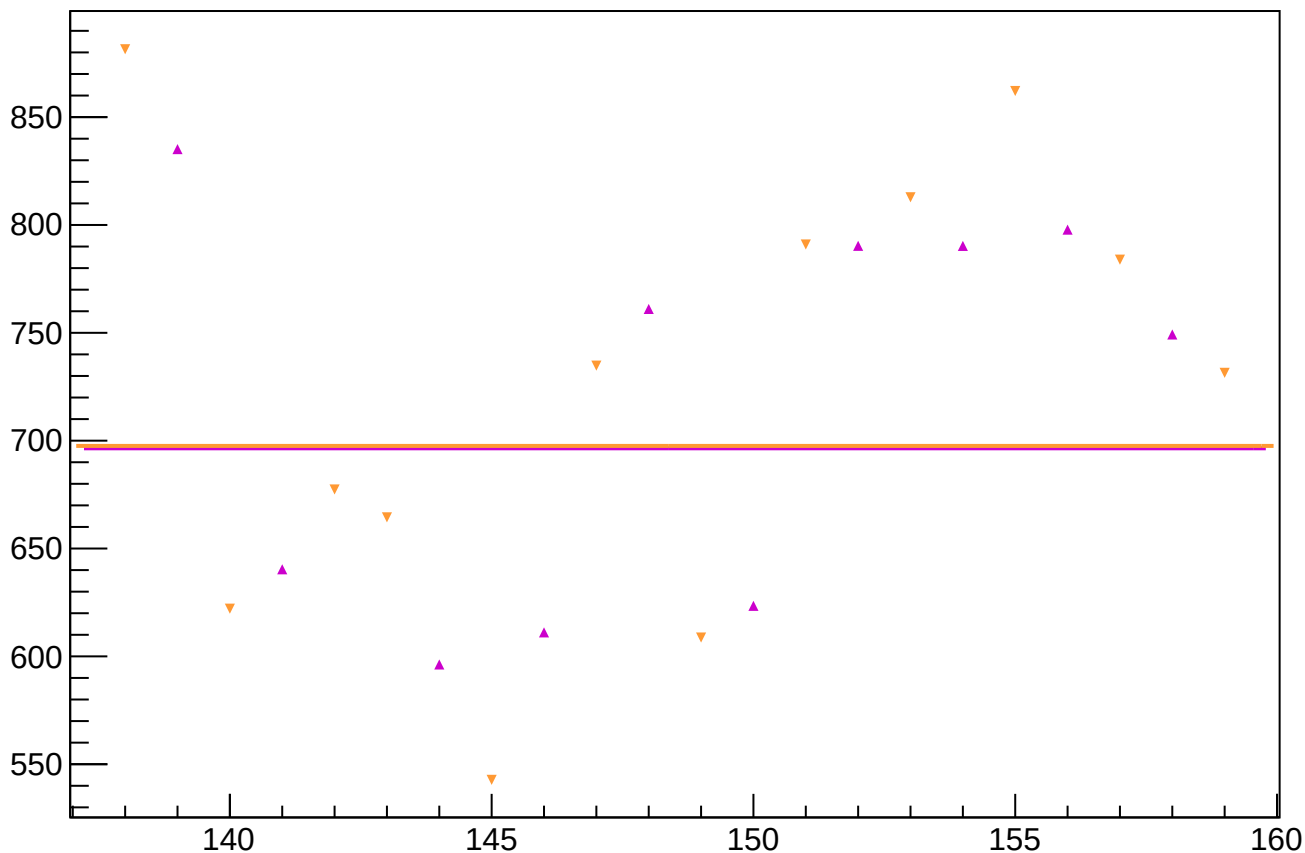
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -456.624 $\pm$ 244.963 χ^2 /NDF:6.3/9

Out: 1181.729 $\pm$ 236.134 χ^2 /NDF:15.8/11

All: 392.609 $\pm$ 170.008 χ^2 /NDF: 45.3/21

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 697.569+/-0.167 χ^2/NDF :386832.0/11

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

Left In: 696.457+/-0.173 χ^2/NDF :250858.3/9

Left: 697.034+/-0.120 χ^2/NDF : 637711.7/21

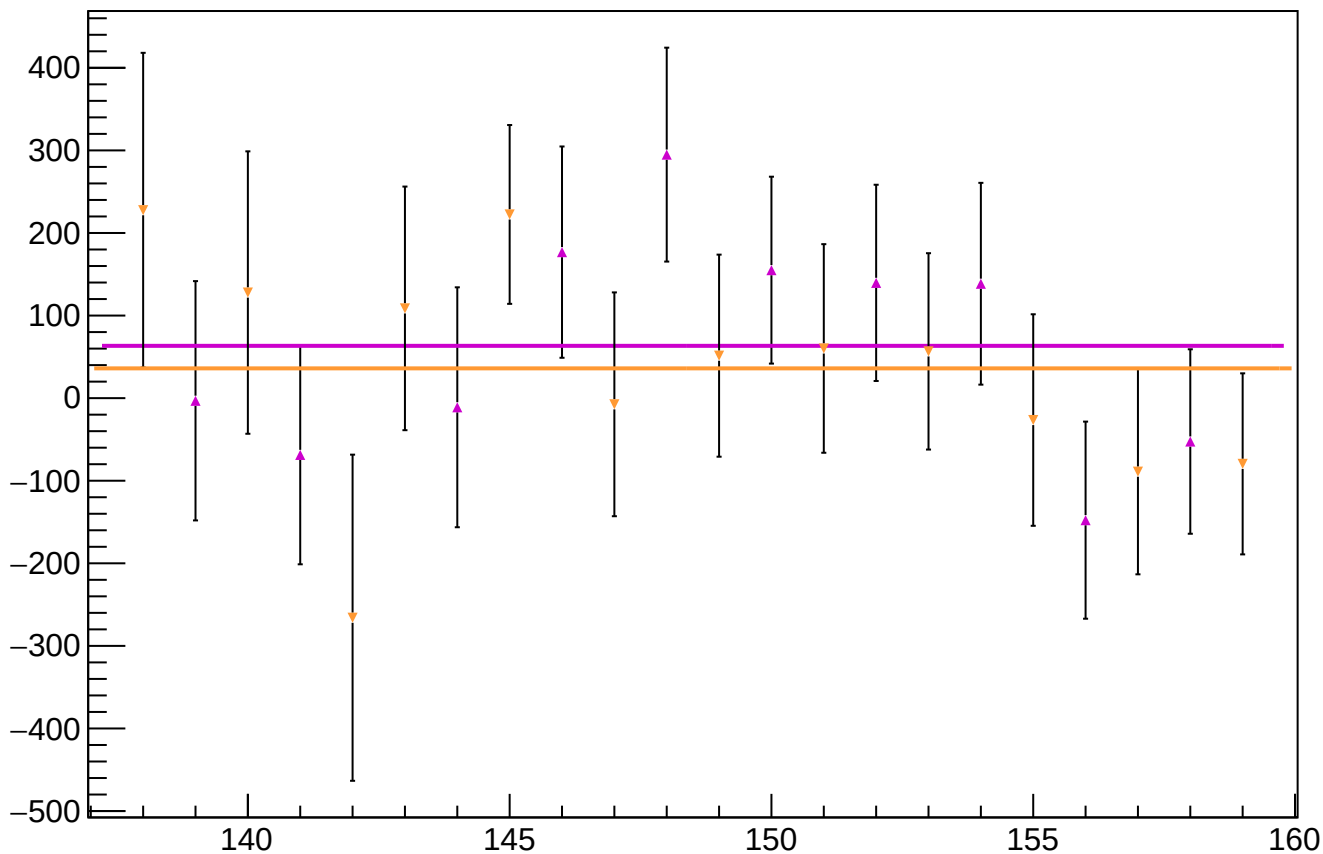
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 696.457+/-0.173 χ^2/NDF :250858.3/9

Out: 697.569+/-0.167 χ^2/NDF :386832.0/11

All: 697.034+/-0.120 χ^2/NDF : 637711.7/21

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 36.061+/-38.285 χ^2/NDF :9.4/11

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

Left In: 63.349+/-39.559 χ^2/NDF :11.1/9

Left: 49.258+/-27.511 χ^2/NDF : 20.7/21

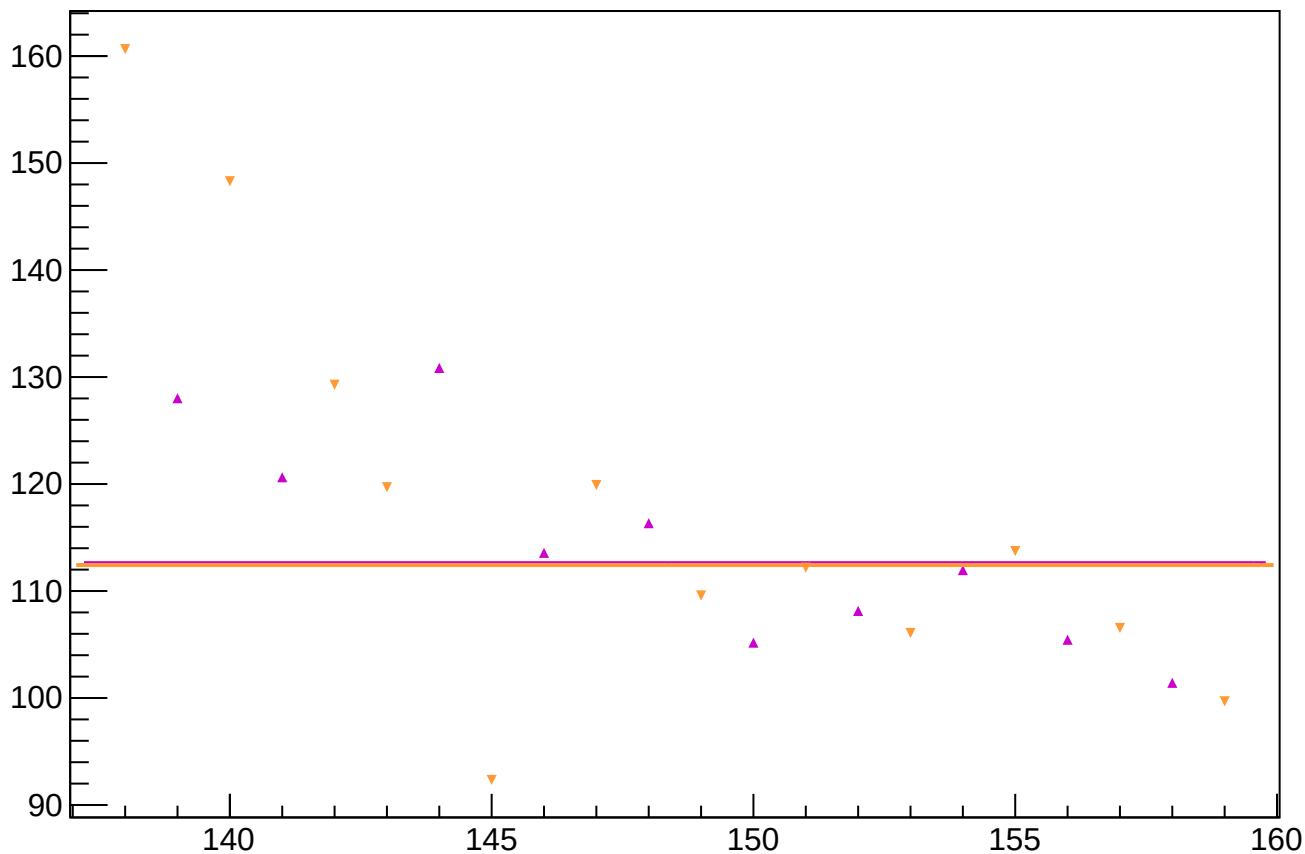
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 63.349+/-39.559 χ^2/NDF :11.1/9

Out: 36.061+/-38.285 χ^2/NDF :9.4/11

All: 49.258+/-27.511 χ^2/NDF : 20.7/21

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 112.428+/-0.027 χ^2/NDF : 348951.3/11

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

Left In: 112.603+/-0.028 χ^2/NDF : 102057.5/9

Left: 112.513+/-0.019 χ^2/NDF : 451029.0/21

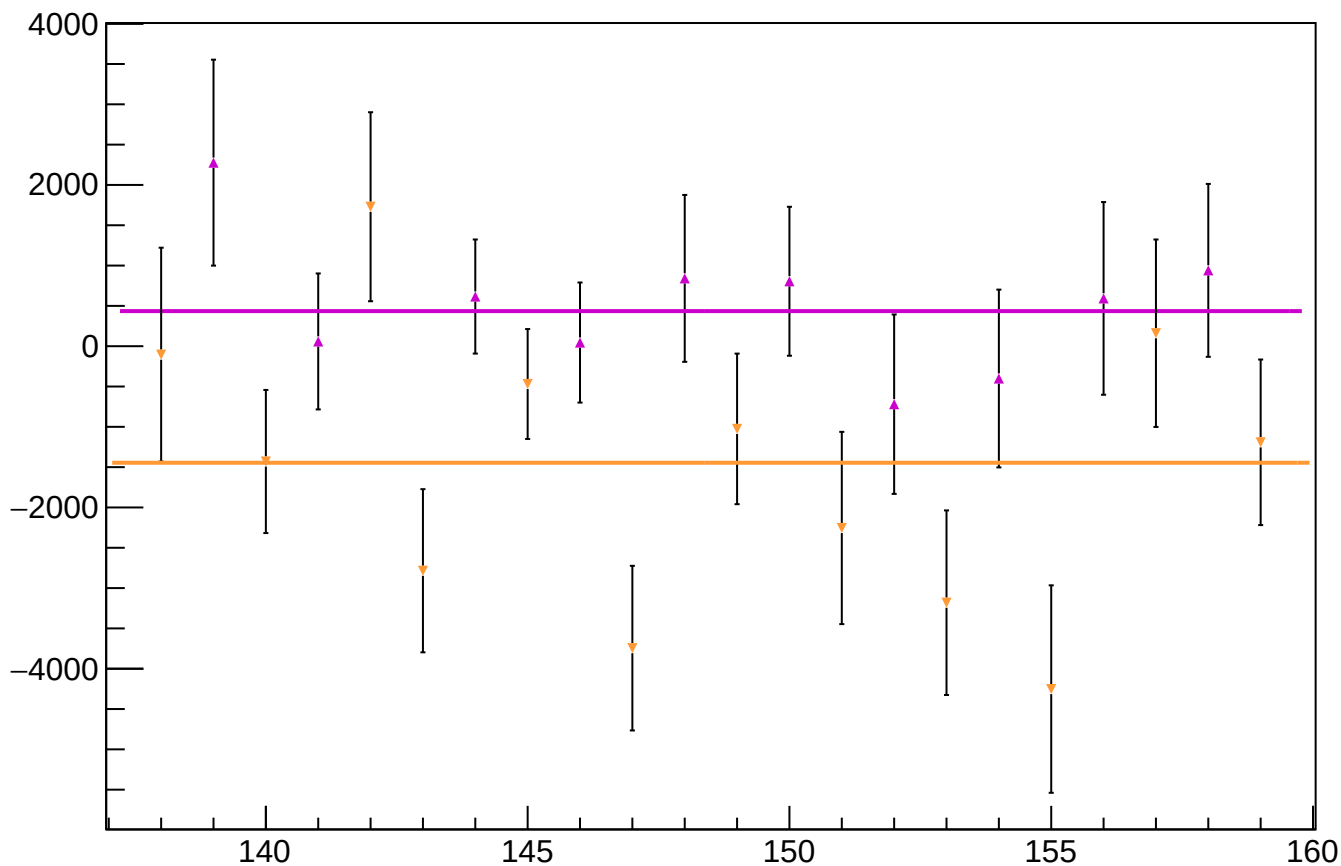
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 112.603+/-0.028 χ^2/NDF : 102057.5/9

Out: 112.428+/-0.027 χ^2/NDF : 348951.3/11

All: 112.513+/-0.019 χ^2/NDF : 451029.0/21

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1445.325 $\pm$ 294.111 χ^2 /NDF:26.9/11

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

Left In: 435.265 $\pm$ 299.792 χ^2 /NDF:4.8/9

Left: -523.016 $\pm$ 209.948 χ^2 /NDF: 51.8/21

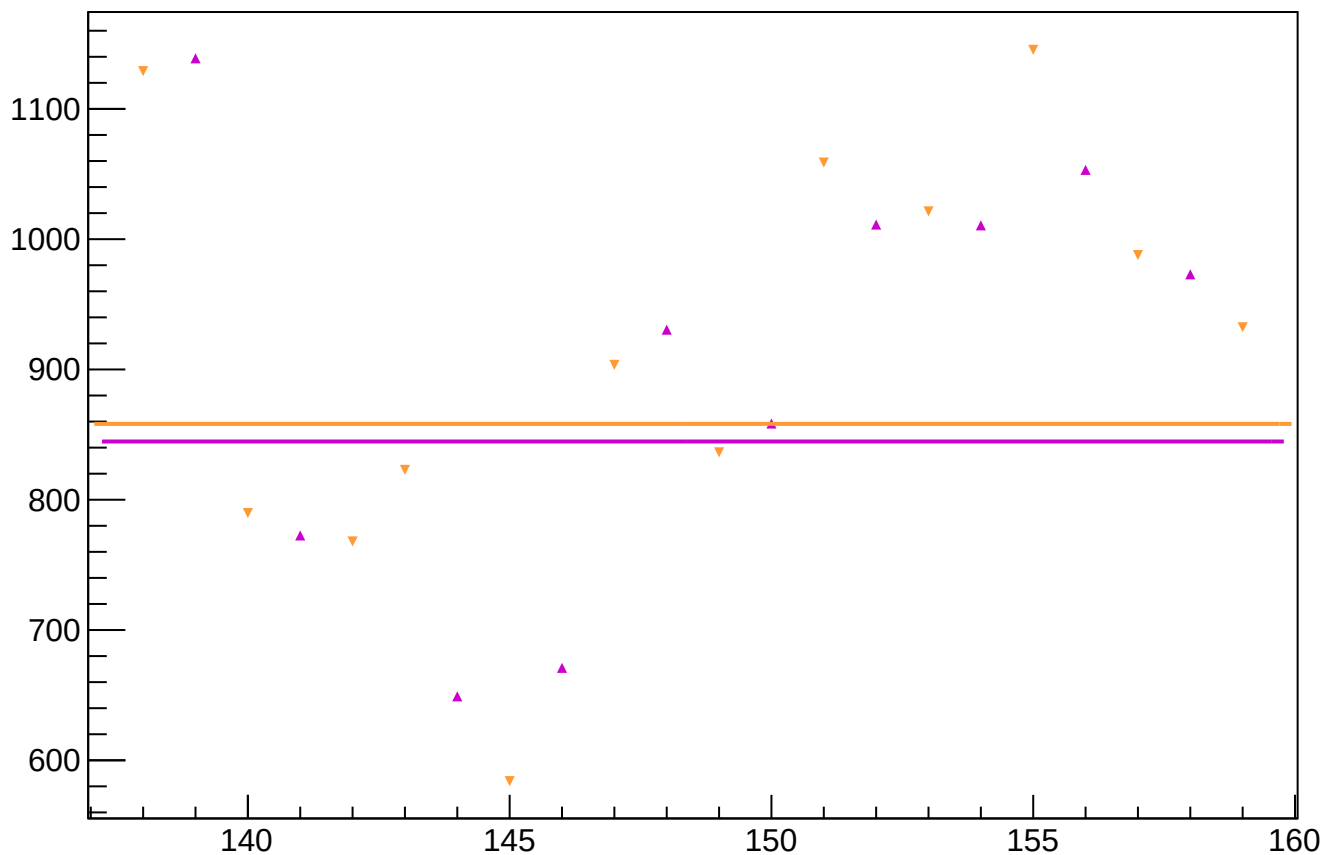
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 435.265 $\pm$ 299.792 χ^2 /NDF:4.8/9

Out: -1445.325 $\pm$ 294.111 χ^2 /NDF:26.9/11

All: -523.016 $\pm$ 209.948 χ^2 /NDF: 51.8/21

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 858.240+/-0.208 χ^2/NDF : 670463.6/11

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

Left In: 844.701+/-0.212 χ^2/NDF : 576226.1/9

Left: 851.600+/-0.148 χ^2/NDF : 1248768.1/21

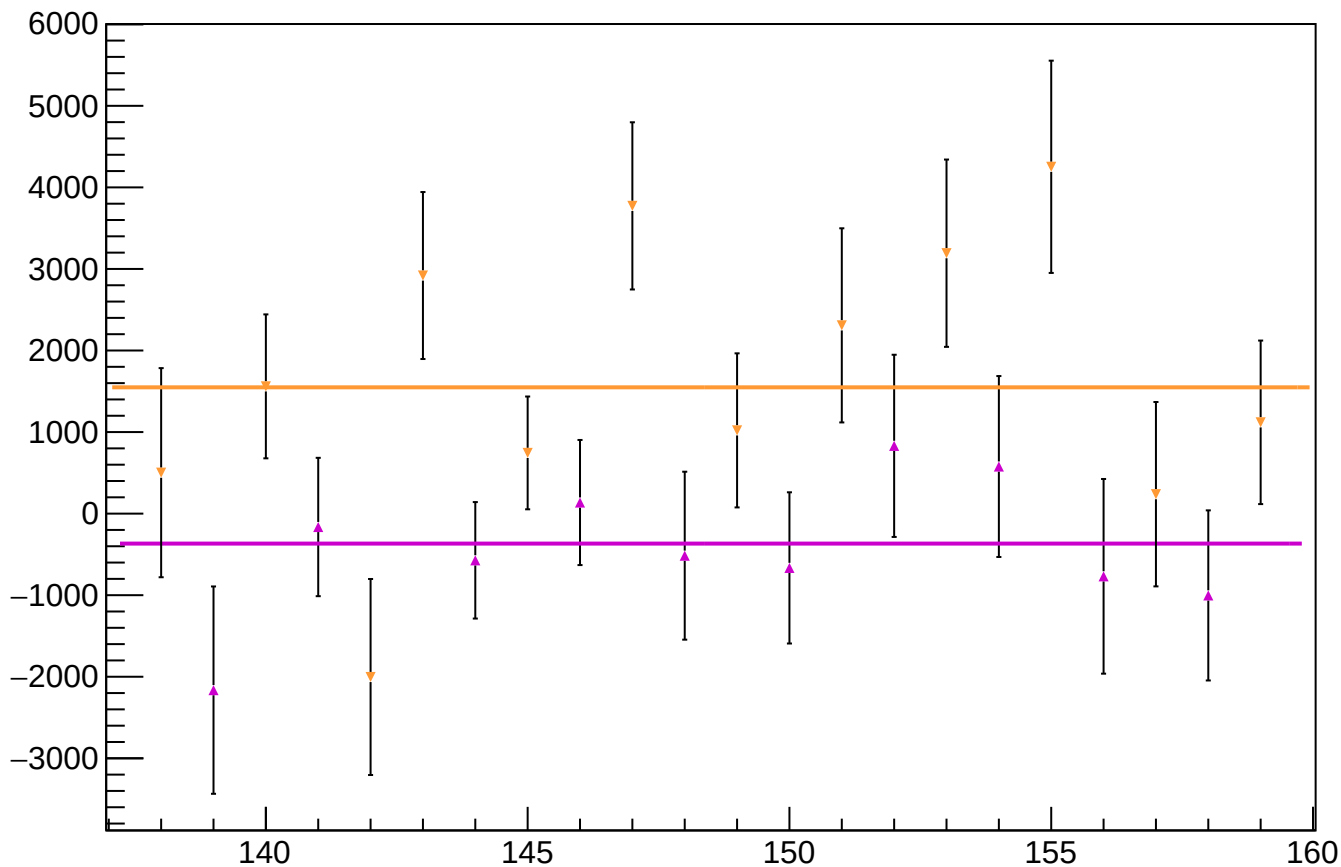
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 844.701+/-0.212 χ^2/NDF : 576226.1/9

Out: 858.240+/-0.208 χ^2/NDF : 670463.6/11

All: 851.600+/-0.148 χ^2/NDF : 1248768.1/21

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1548.438+/-294.422 χ^2/NDF :25.9/11

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

Left In: -367.370+/-301.328 χ^2/NDF :5.1/9

Left: 612.739+/-210.587 χ^2/NDF : 51.6/21

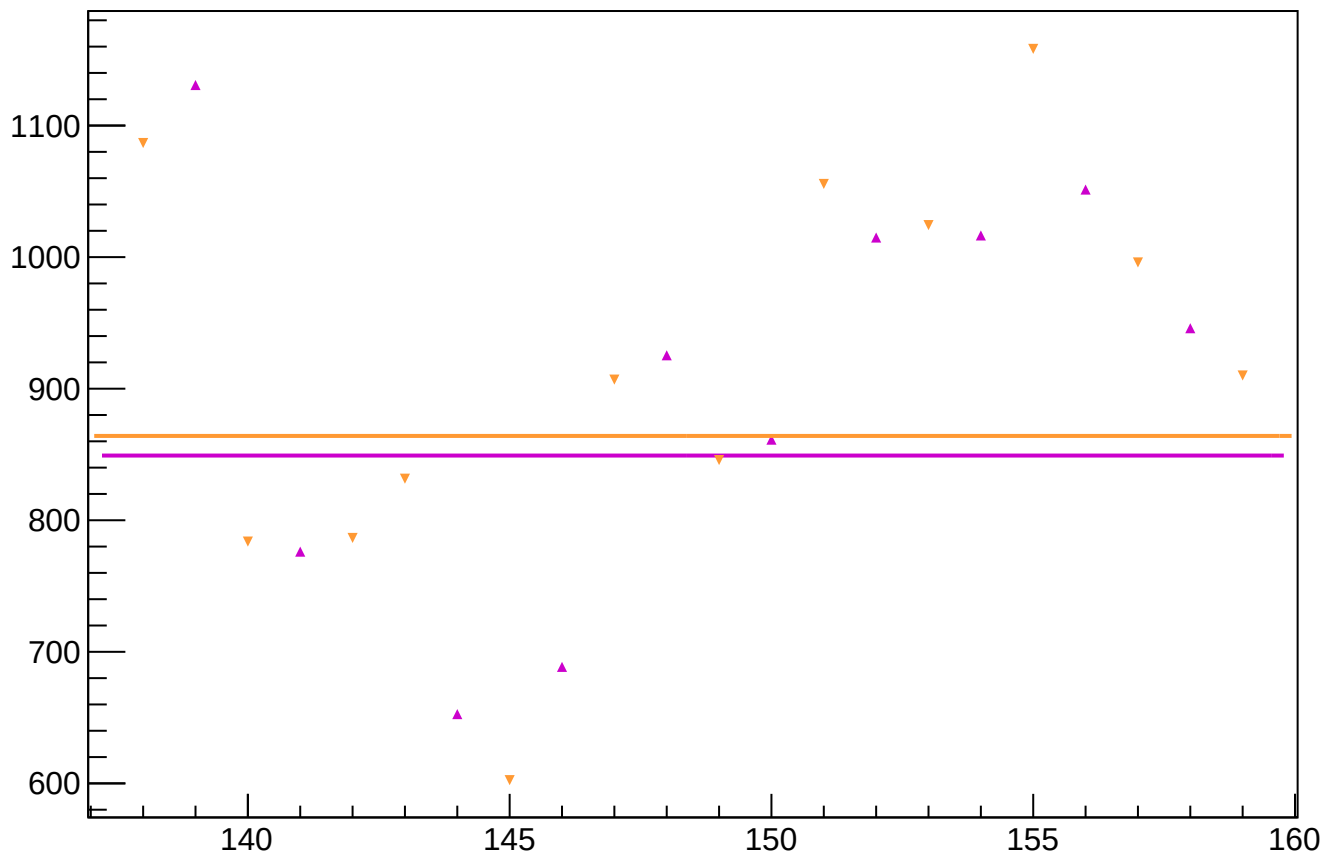
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -367.370+/-301.328 χ^2/NDF :5.1/9

Out: 1548.438+/-294.422 χ^2/NDF :25.9/11

All: 612.739+/-210.587 χ^2/NDF : 51.6/21

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 864.098+/-0.208 χ^2/NDF : 602162.0/11

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

Left In: 849.181+/-0.213 χ^2/NDF : 527646.8/9

Left: 856.812+/-0.149 χ^2/NDF : 1132316.4/21

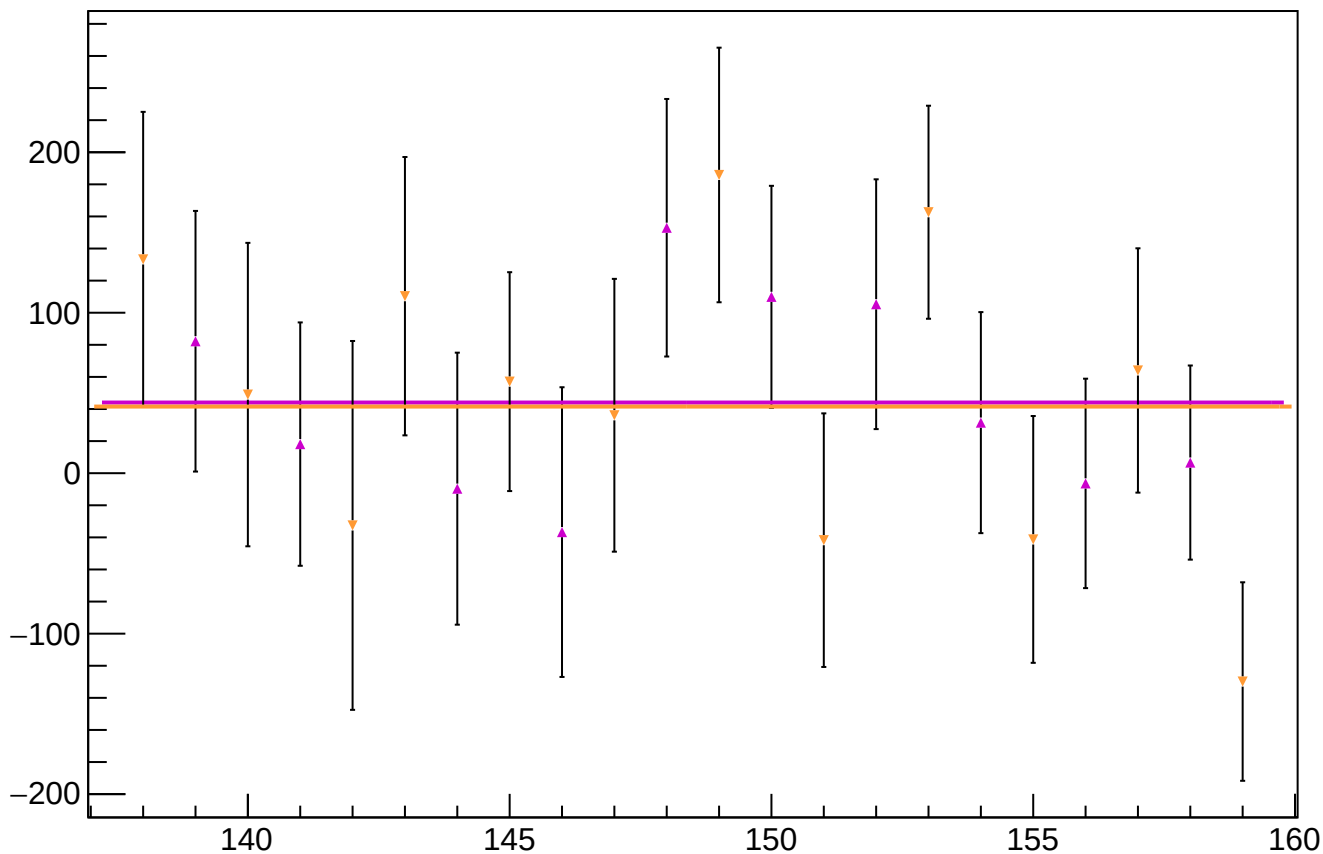
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 849.181+/-0.213 χ^2/NDF : 527646.8/9

Out: 864.098+/-0.208 χ^2/NDF : 602162.0/11

All: 856.812+/-0.149 χ^2/NDF : 1132316.4/21

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: 41.516 $\pm$ 22.696 χ^2 /NDF:18.8/11

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

Left In: 44.030 $\pm$ 23.340 χ^2 /NDF:5.9/9

Left: 42.738 $\pm$ 16.272 χ^2 /NDF: 24.7/21

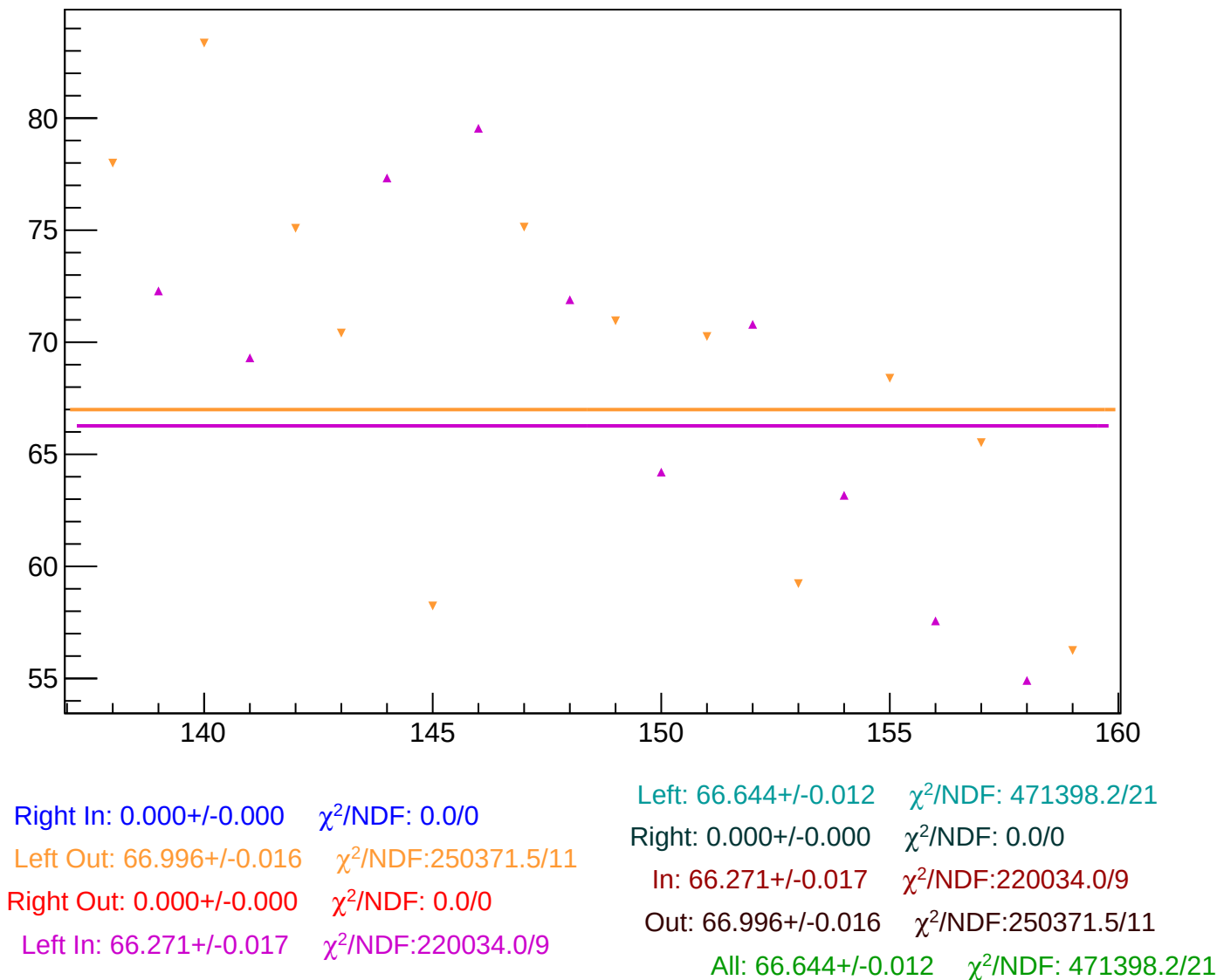
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 44.030 $\pm$ 23.340 χ^2 /NDF:5.9/9

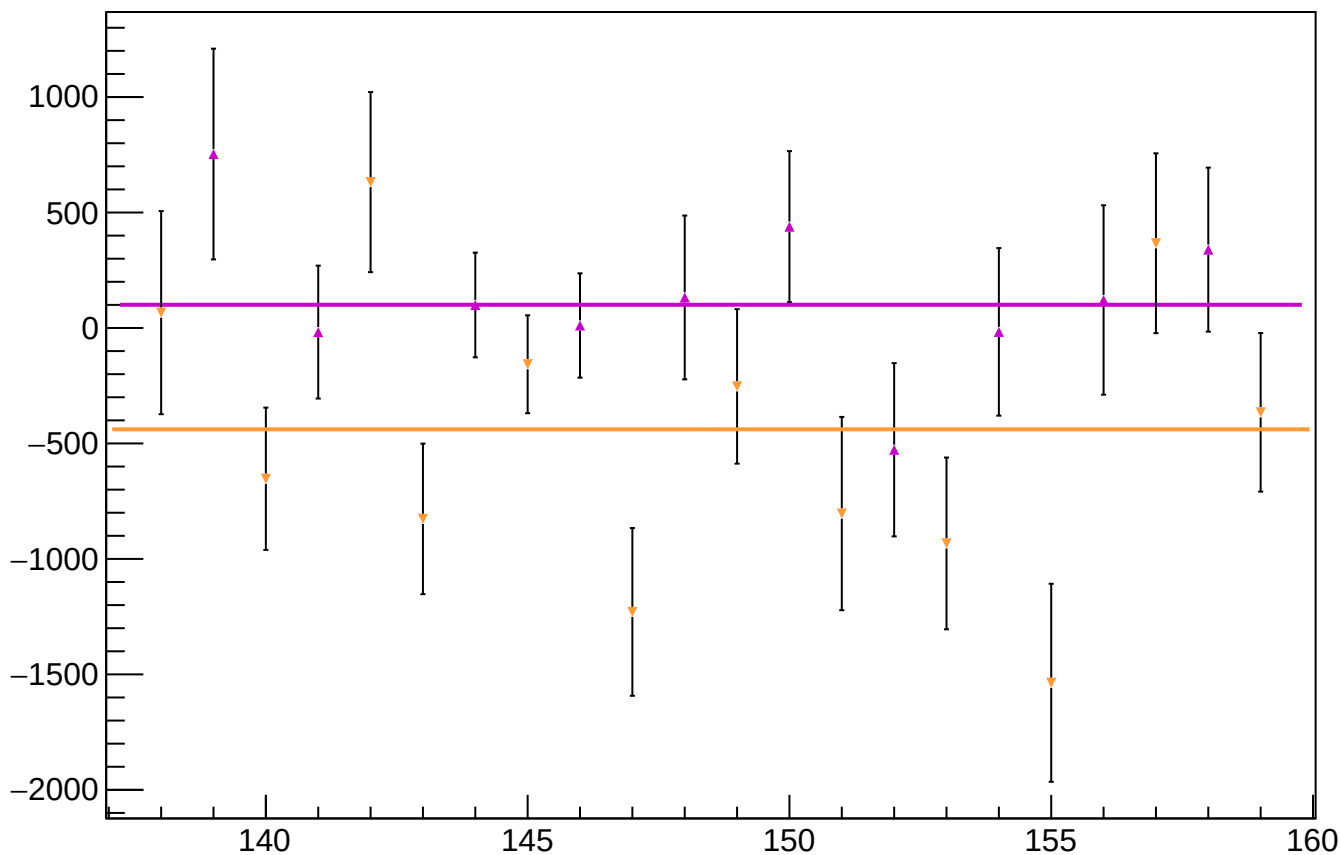
Out: 41.516 $\pm$ 22.696 χ^2 /NDF:18.8/11

All: 42.738 $\pm$ 16.272 χ^2 /NDF: 24.7/21

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -438.848+/-98.093 χ^2/NDF :31.0/11

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

Left In: 100.555+/-99.103 χ^2/NDF :6.8/9

Left: -171.909+/-69.717 χ^2/NDF : 52.7/21

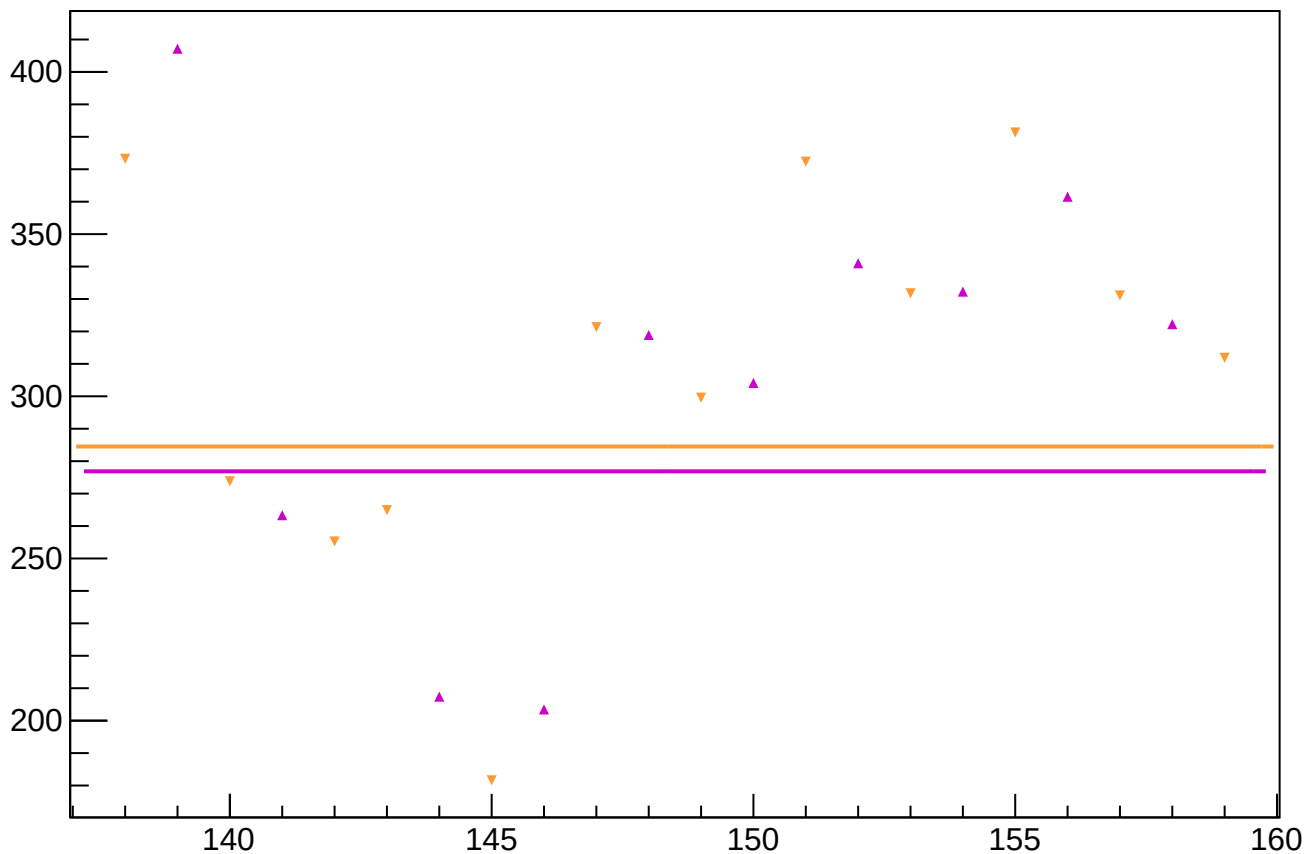
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 100.555+/-99.103 χ^2/NDF :6.8/9

Out: -438.848+/-98.093 χ^2/NDF :31.0/11

All: -171.909+/-69.717 χ^2/NDF : 52.7/21

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 284.522+/-0.069 χ^2/NDF :862024.4/11

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

Left In: 276.872+/-0.070 χ^2/NDF :831633.8/9

Left: 280.736+/-0.049 χ^2/NDF : 1699677.1/21

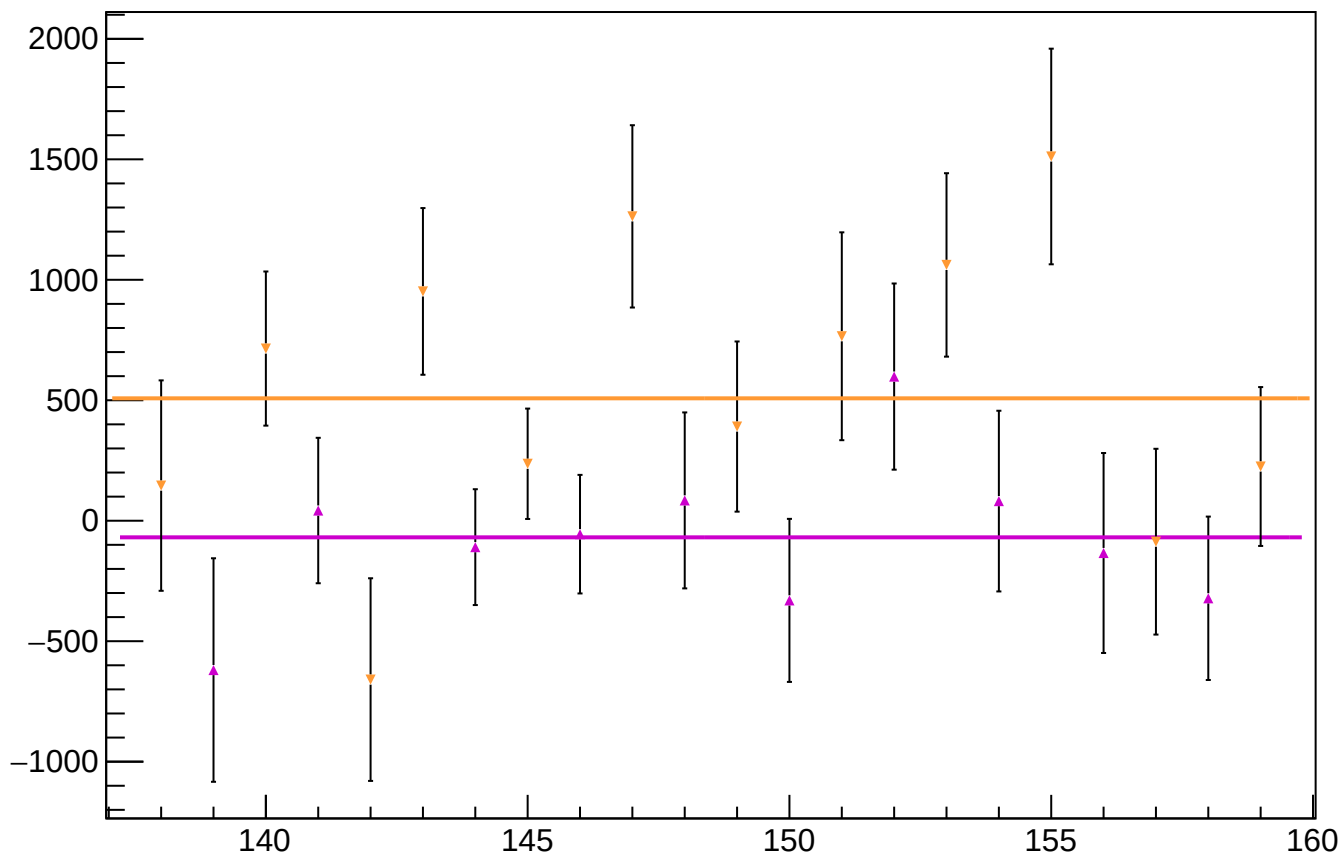
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 276.872+/-0.070 χ^2/NDF :831633.8/9

Out: 284.522+/-0.069 χ^2/NDF :862024.4/11

All: 280.736+/-0.049 χ^2/NDF : 1699677.1/21

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 508.015+/-101.912 χ^2/NDF : 26.6/11

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

Left In: -68.920+/-103.146 χ^2/NDF : 6.1/9

Left: 223.017+/-72.495 χ^2/NDF : 48.5/21

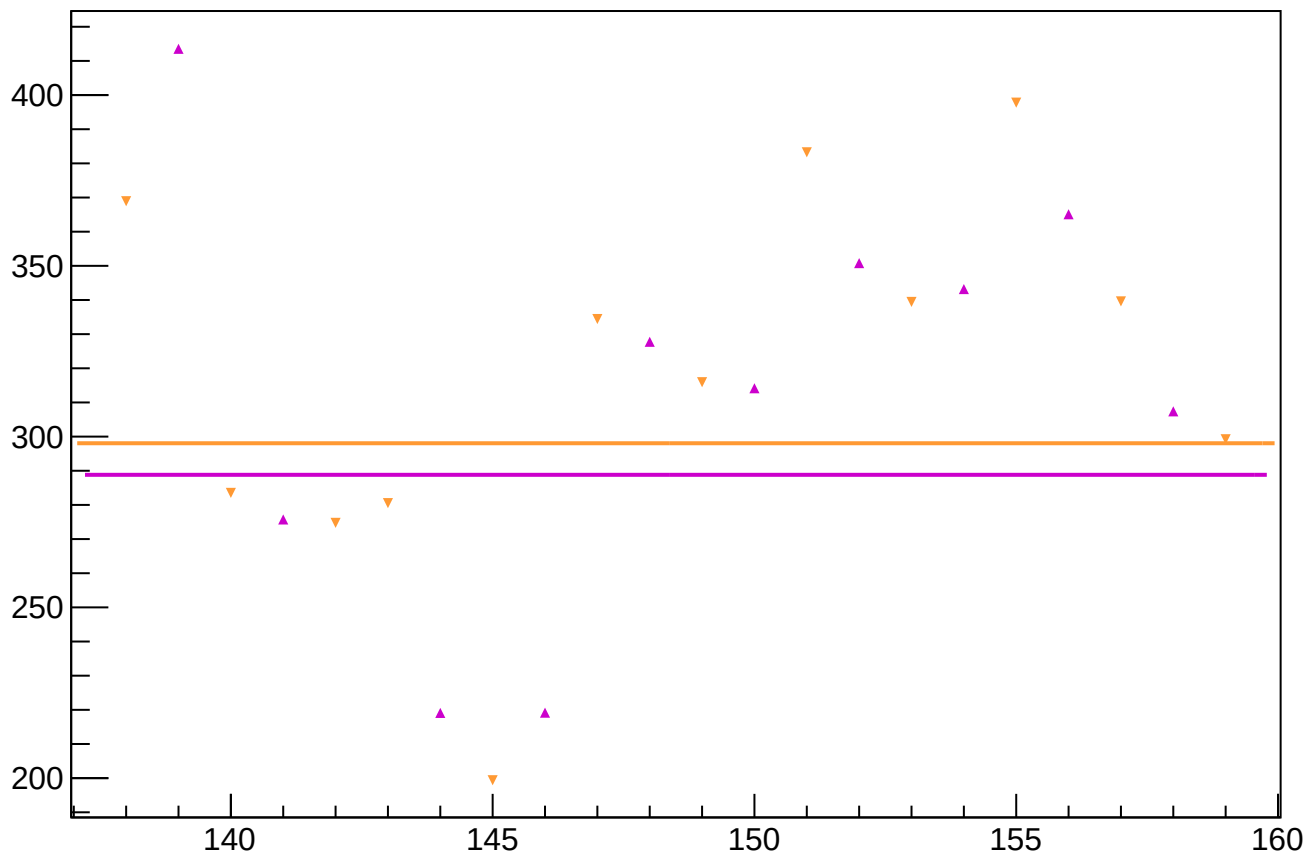
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -68.920+/-103.146 χ^2/NDF : 6.1/9

Out: 508.015+/-101.912 χ^2/NDF : 26.6/11

All: 223.017+/-72.495 χ^2/NDF : 48.5/21

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 298.057+/-0.072 χ^2/NDF : 686917.1/11

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

Left In: 288.813+/-0.073 χ^2/NDF : 677908.5/9

Left: 293.490+/-0.051 χ^2/NDF : 1372954.2/21

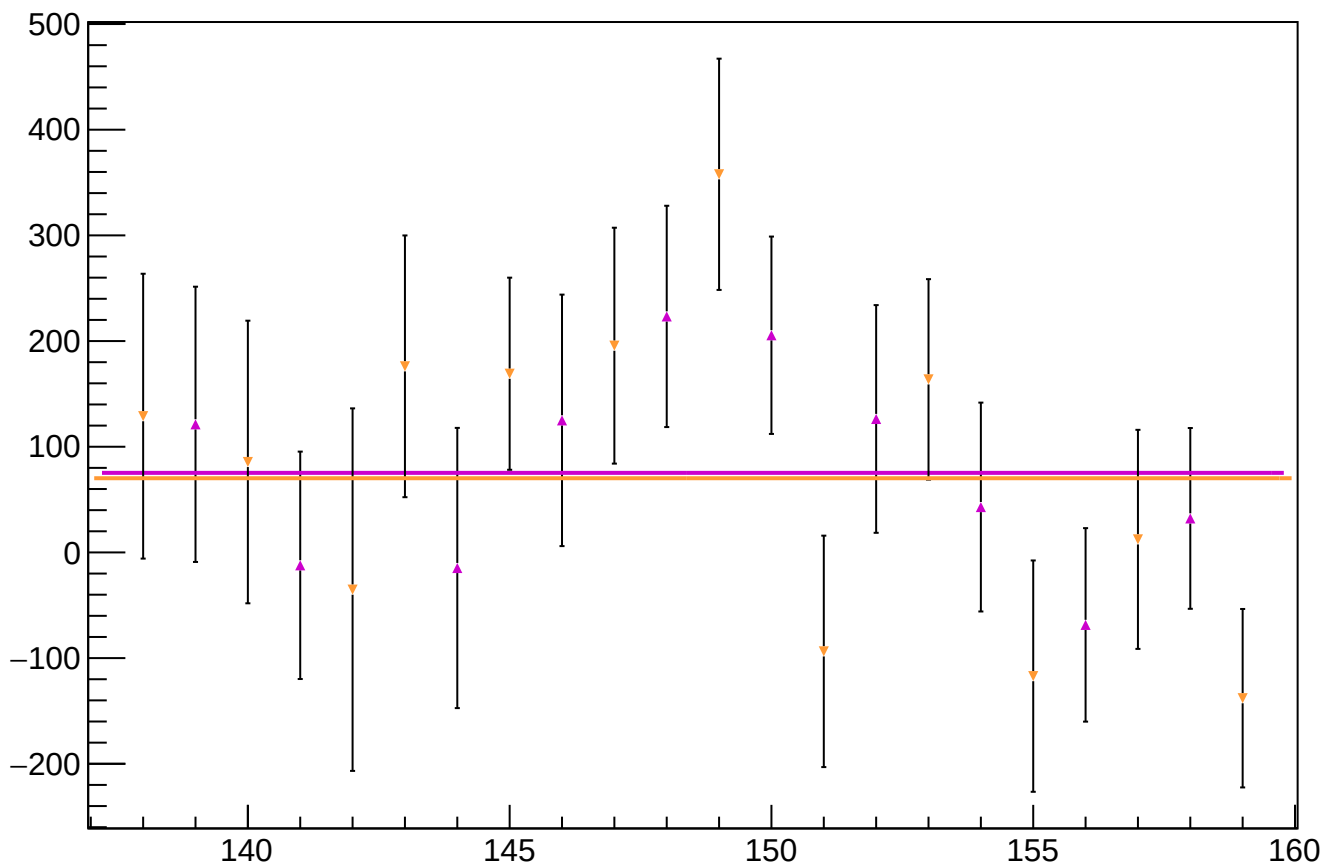
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 288.813+/-0.073 χ^2/NDF : 677908.5/9

Out: 298.057+/-0.072 χ^2/NDF : 686917.1/11

All: 293.490+/-0.051 χ^2/NDF : 1372954.2/21

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: 70.204 $\pm$ 31.521 χ^2 /NDF:23.2/11

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

Left In: 75.285 $\pm$ 32.909 χ^2 /NDF:8.4/9

Left: 72.635 $\pm$ 22.763 χ^2 /NDF: 31.6/21

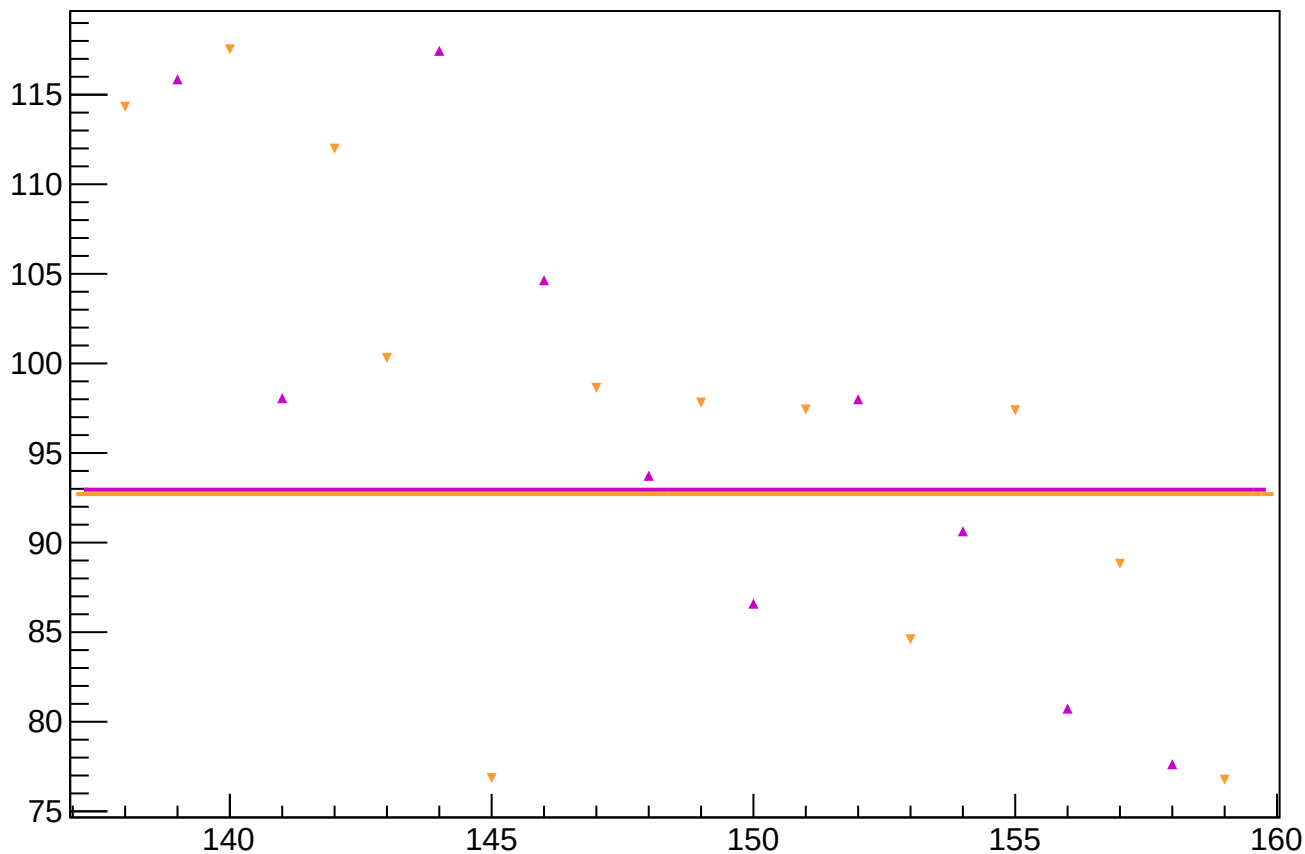
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 75.285 $\pm$ 32.909 χ^2 /NDF:8.4/9

Out: 70.204 $\pm$ 31.521 χ^2 /NDF:23.2/11

All: 72.635 $\pm$ 22.763 χ^2 /NDF: 31.6/21

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 92.704+/-0.022 χ^2/NDF :320154.5/11

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

Left In: 92.952+/-0.023 χ^2/NDF :268651.9/9

Left: 92.823+/-0.016 χ^2/NDF : 588865.6/21

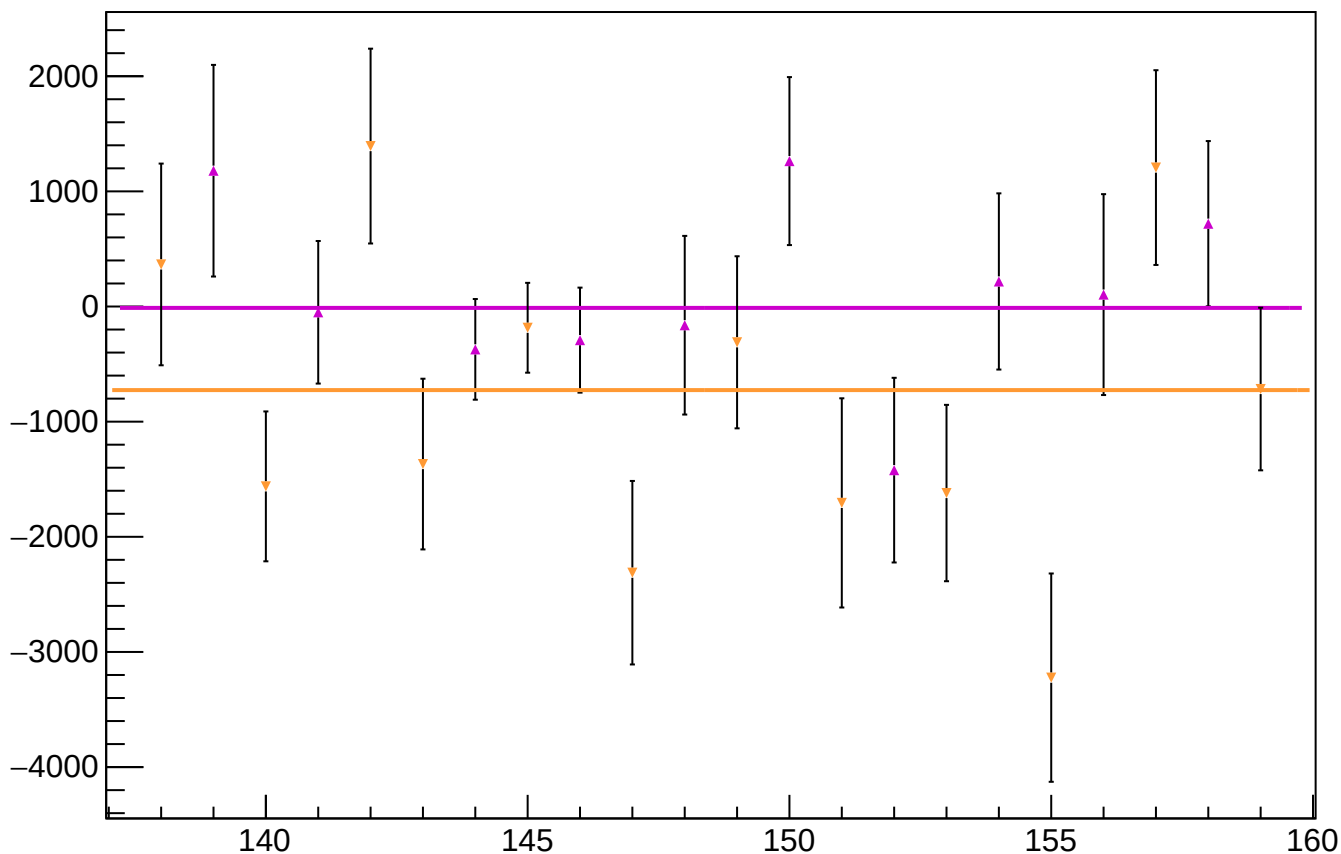
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 92.952+/-0.023 χ^2/NDF :268651.9/9

Out: 92.704+/-0.022 χ^2/NDF :320154.5/11

All: 92.823+/-0.016 χ^2/NDF : 588865.6/21

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -725.887+/-202.606 χ^2/NDF :31.8/11

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

Left In: -12.031+/-204.568 χ^2/NDF :10.1/9

Left: -372.399+/-143.953 χ^2/NDF : 48.0/21

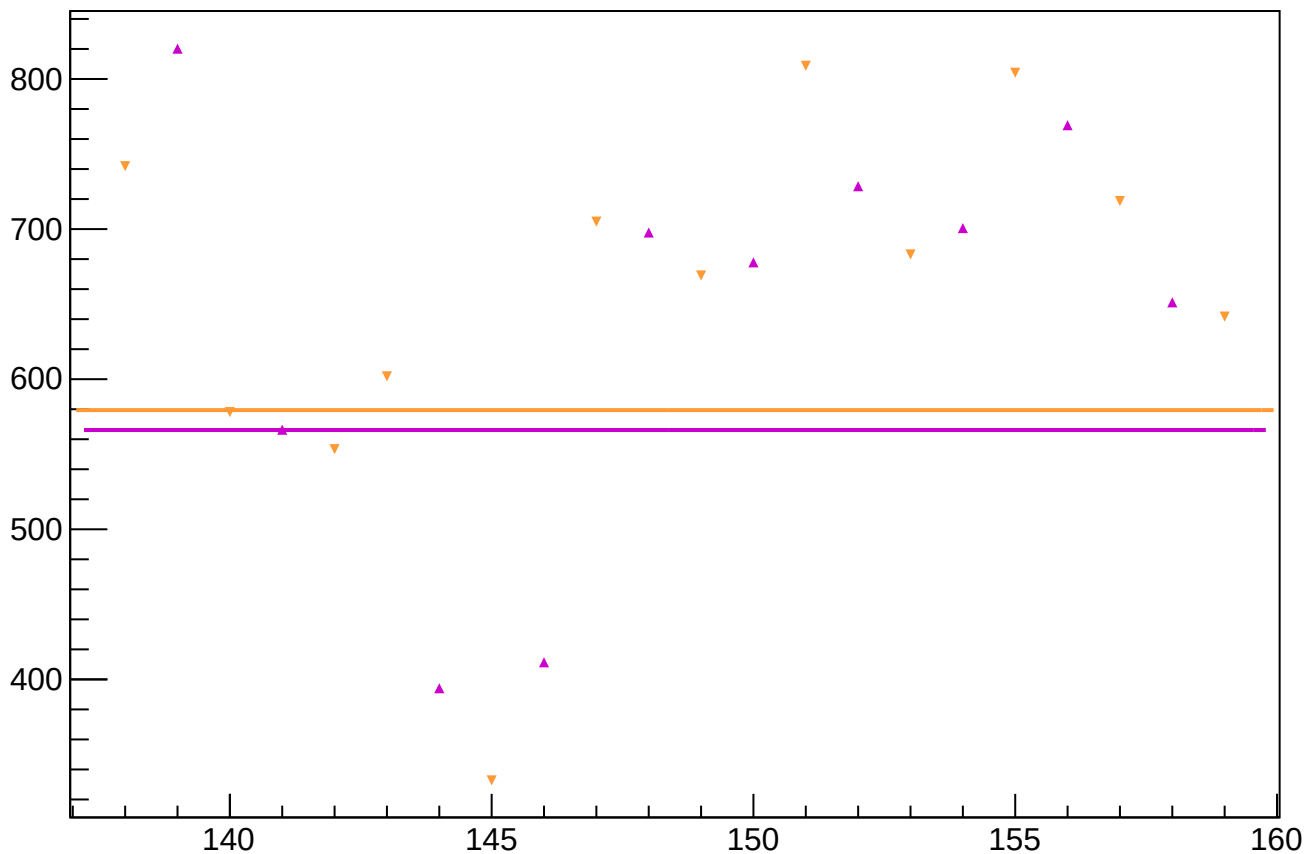
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.031+/-204.568 χ^2/NDF :10.1/9

Out: -725.887+/-202.606 χ^2/NDF :31.8/11

All: -372.399+/-143.953 χ^2/NDF : 48.0/21

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 579.401+/-0.143 χ^2/NDF :1308202.4/11

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

Left In: 566.141+/-0.145 χ^2/NDF :1077723.4/9

Left: 572.835+/-0.102 χ^2/NDF : 2390168.3/21

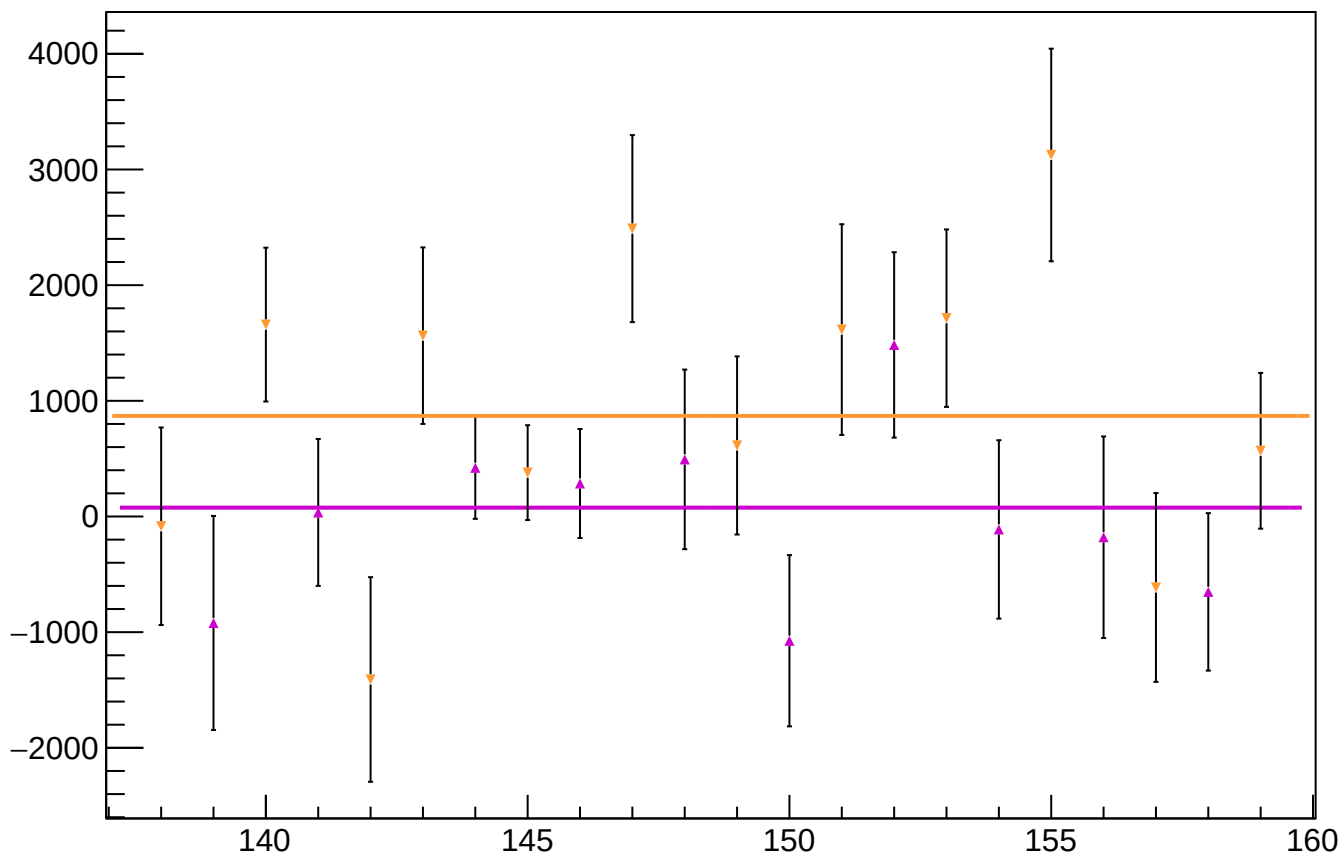
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 566.141+/-0.145 χ^2/NDF :1077723.4/9

Out: 579.401+/-0.143 χ^2/NDF :1308202.4/11

All: 572.835+/-0.102 χ^2/NDF : 2390168.3/21

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 869.766+/-205.901 χ^2/NDF : 27.1/11

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

Left In: 76.510+/-206.396 χ^2/NDF : 9.0/9

Left: 474.090+/-145.769 χ^2/NDF : 43.5/21

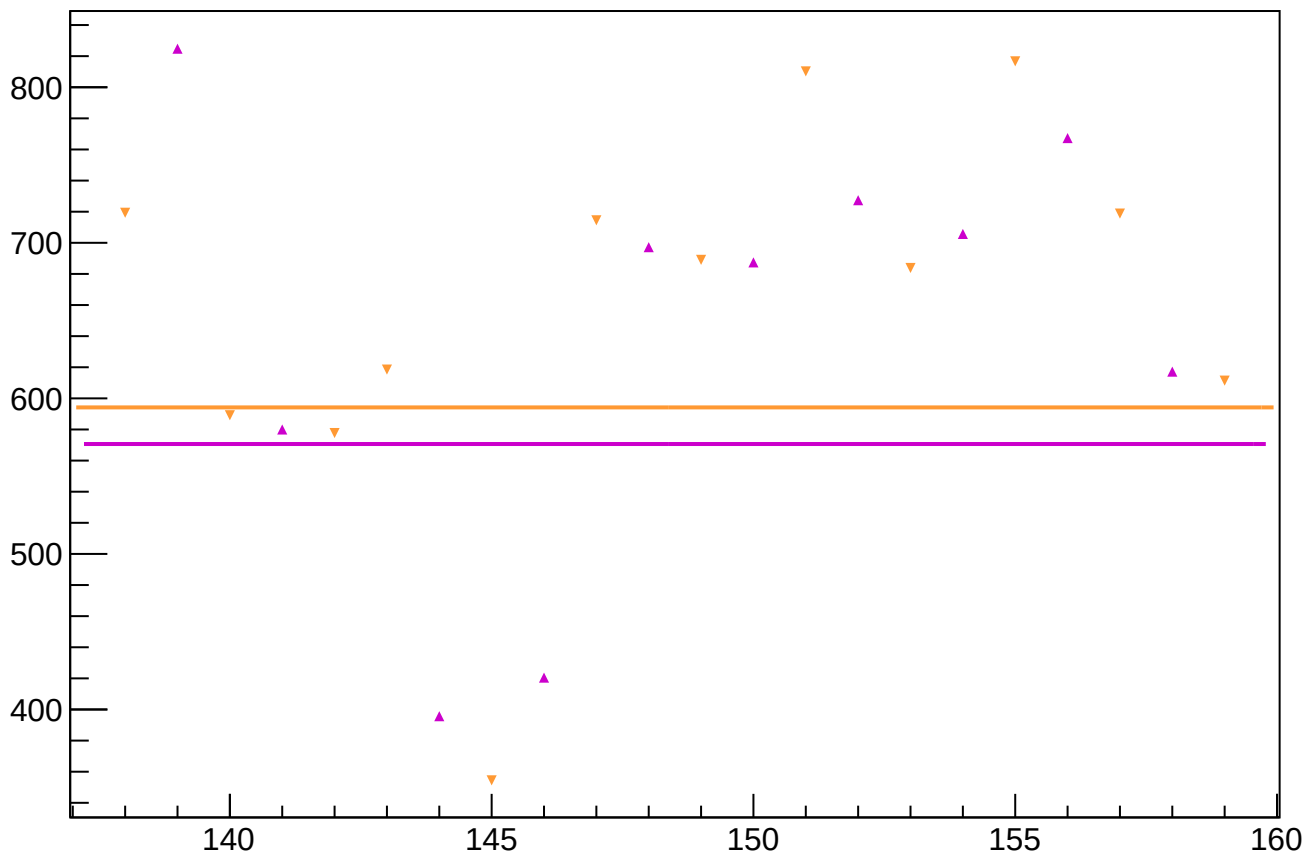
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 76.510+/-206.396 χ^2/NDF : 9.0/9

Out: 869.766+/-205.901 χ^2/NDF : 27.1/11

All: 474.090+/-145.769 χ^2/NDF : 43.5/21

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 594.189+/-0.146 χ^2/NDF :1109100.5/11

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

Left In: 570.655+/-0.146 χ^2/NDF :1020338.1/9

Left: 582.450+/-0.103 χ^2/NDF : 2142471.9/21

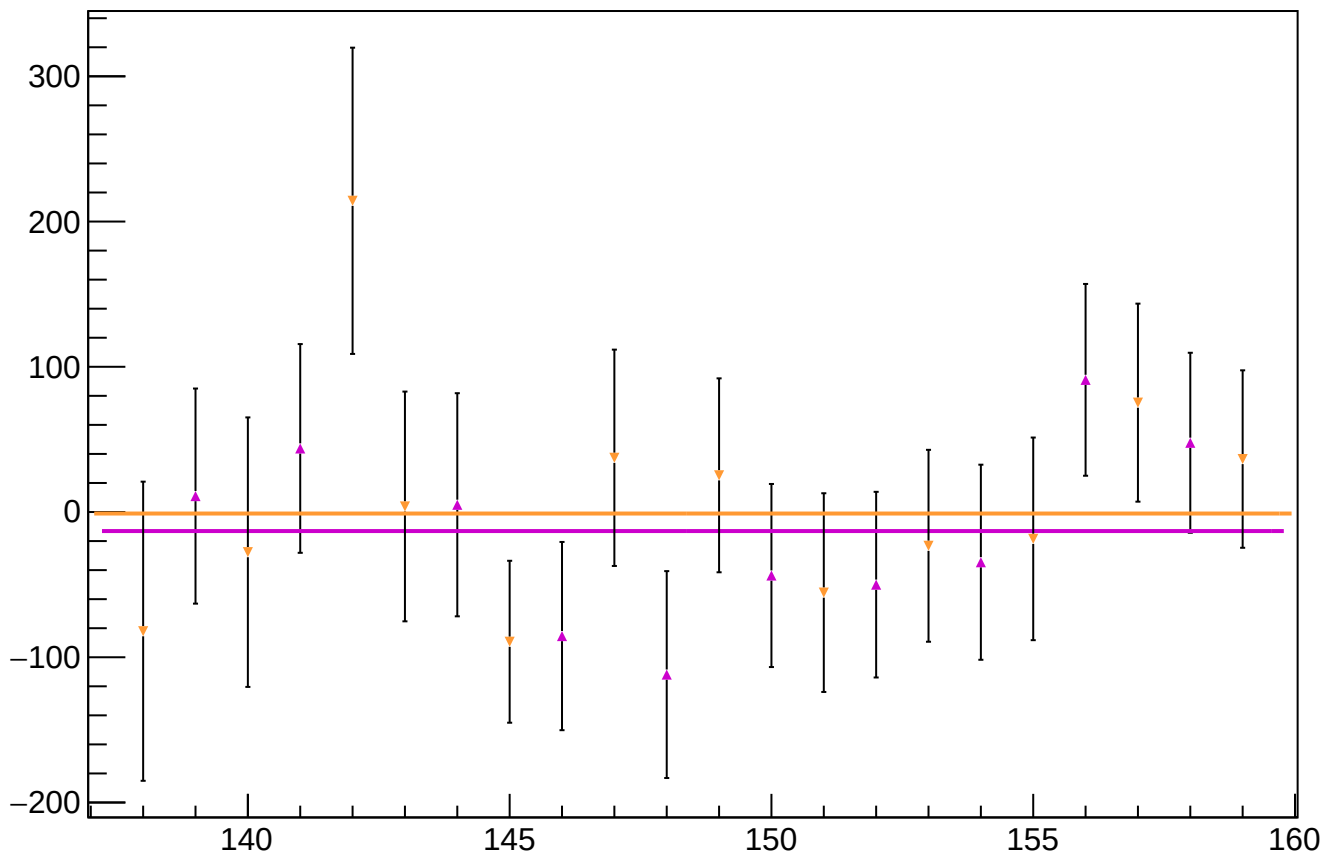
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 570.655+/-0.146 χ^2/NDF :1020338.1/9

Out: 594.189+/-0.146 χ^2/NDF :1109100.5/11

All: 582.450+/-0.103 χ^2/NDF : 2142471.9/21

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -1.036 $\pm$ 20.770 χ^2 /NDF:10.2/11

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

Left In: -13.105 $\pm$ 21.374 χ^2 /NDF:8.1/9

Left: -6.898 $\pm$ 14.896 χ^2 /NDF: 18.5/21

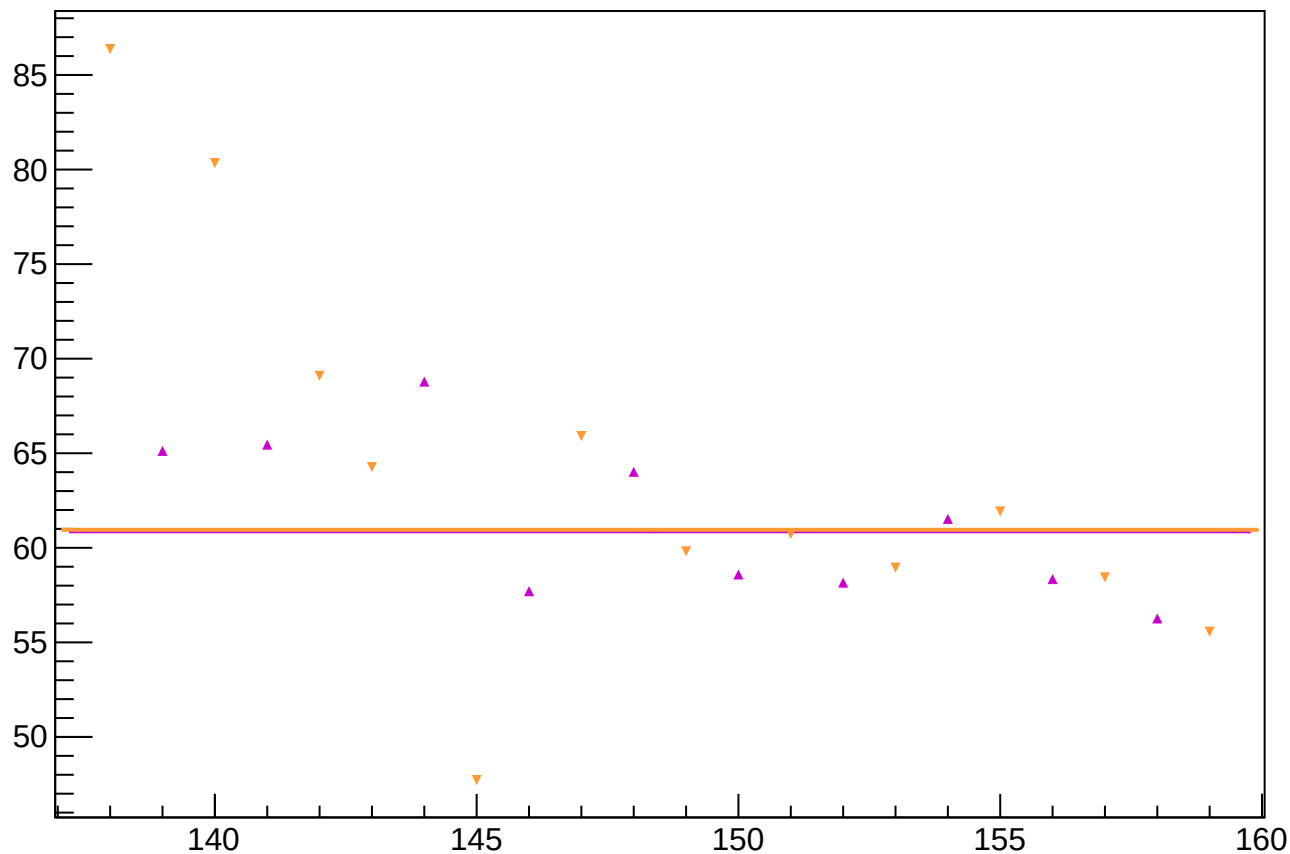
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -13.105 $\pm$ 21.374 χ^2 /NDF:8.1/9

Out: -1.036 $\pm$ 20.770 χ^2 /NDF:10.2/11

All: -6.898 $\pm$ 14.896 χ^2 /NDF: 18.5/21

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: 60.954+/-0.015 χ^2/NDF :367203.6/11

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

Left In: 60.874+/-0.015 χ^2/NDF :65045.3/9

Left: 60.915+/-0.011 χ^2/NDF : 432263.2/21

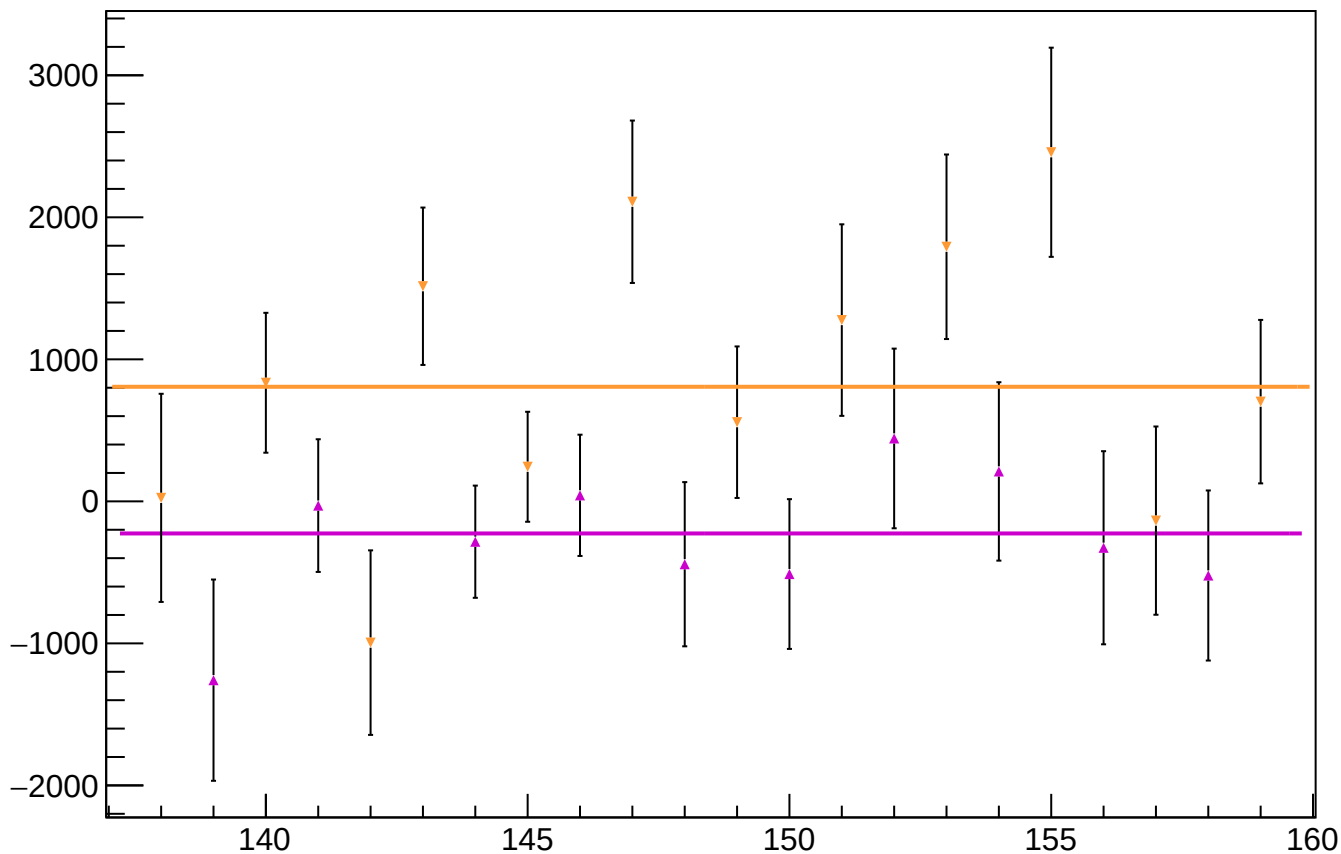
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 60.874+/-0.015 χ^2/NDF :65045.3/9

Out: 60.954+/-0.015 χ^2/NDF :367203.6/11

All: 60.915+/-0.011 χ^2/NDF : 432263.2/21

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: 806.755+/-165.378 χ^2/NDF : 27.9/11

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

Left In: -225.955+/-168.920 χ^2/NDF : 5.0/9

Left: 301.341+/-118.172 χ^2/NDF : 52.0/21

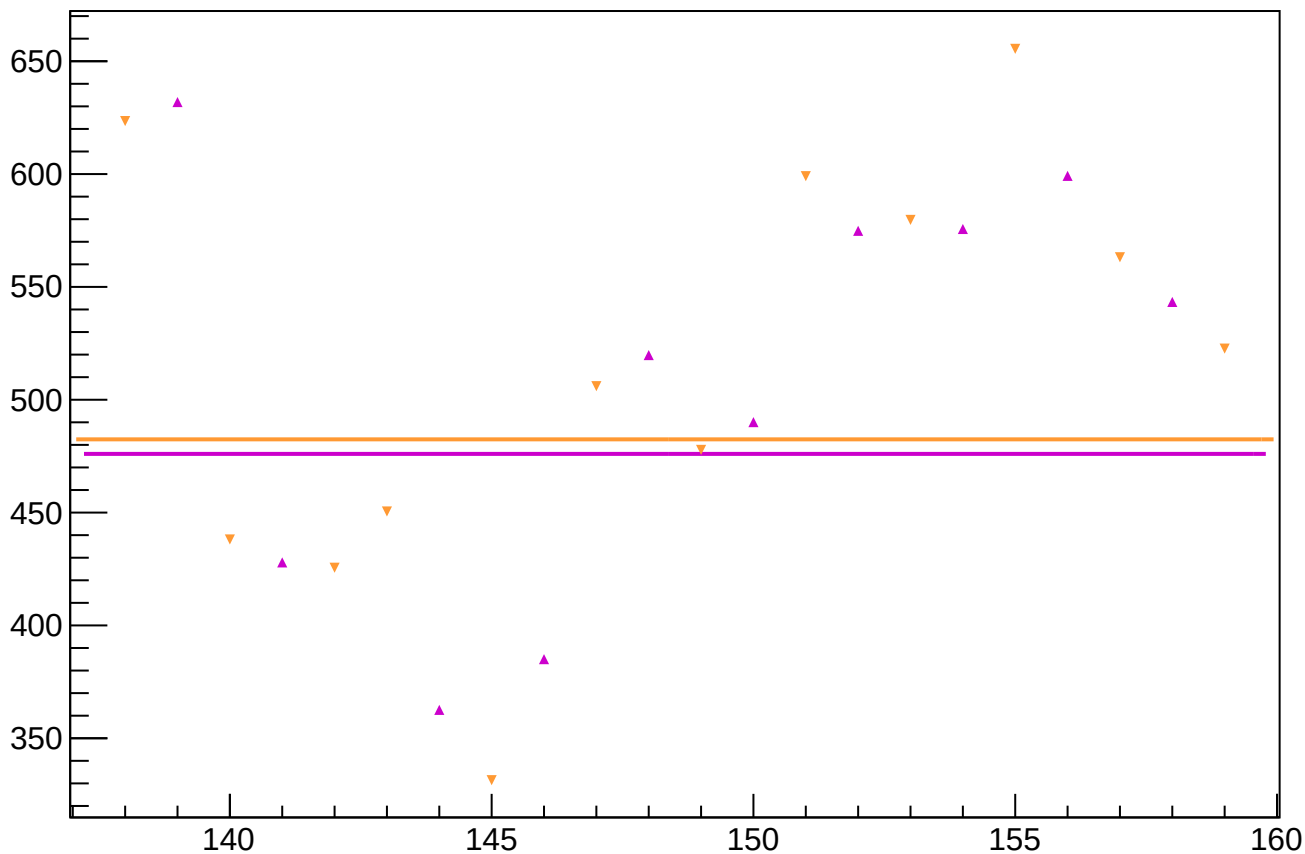
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -225.955+/-168.920 χ^2/NDF : 5.0/9

Out: 806.755+/-165.378 χ^2/NDF : 27.9/11

All: 301.341+/-118.172 χ^2/NDF : 52.0/21

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 482.451+/-0.117 χ^2/NDF : 674561.3/11

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

Left In: 476.007+/-0.119 χ^2/NDF : 576728.1/9

Left: 479.297+/-0.084 χ^2/NDF : 1252775.7/21

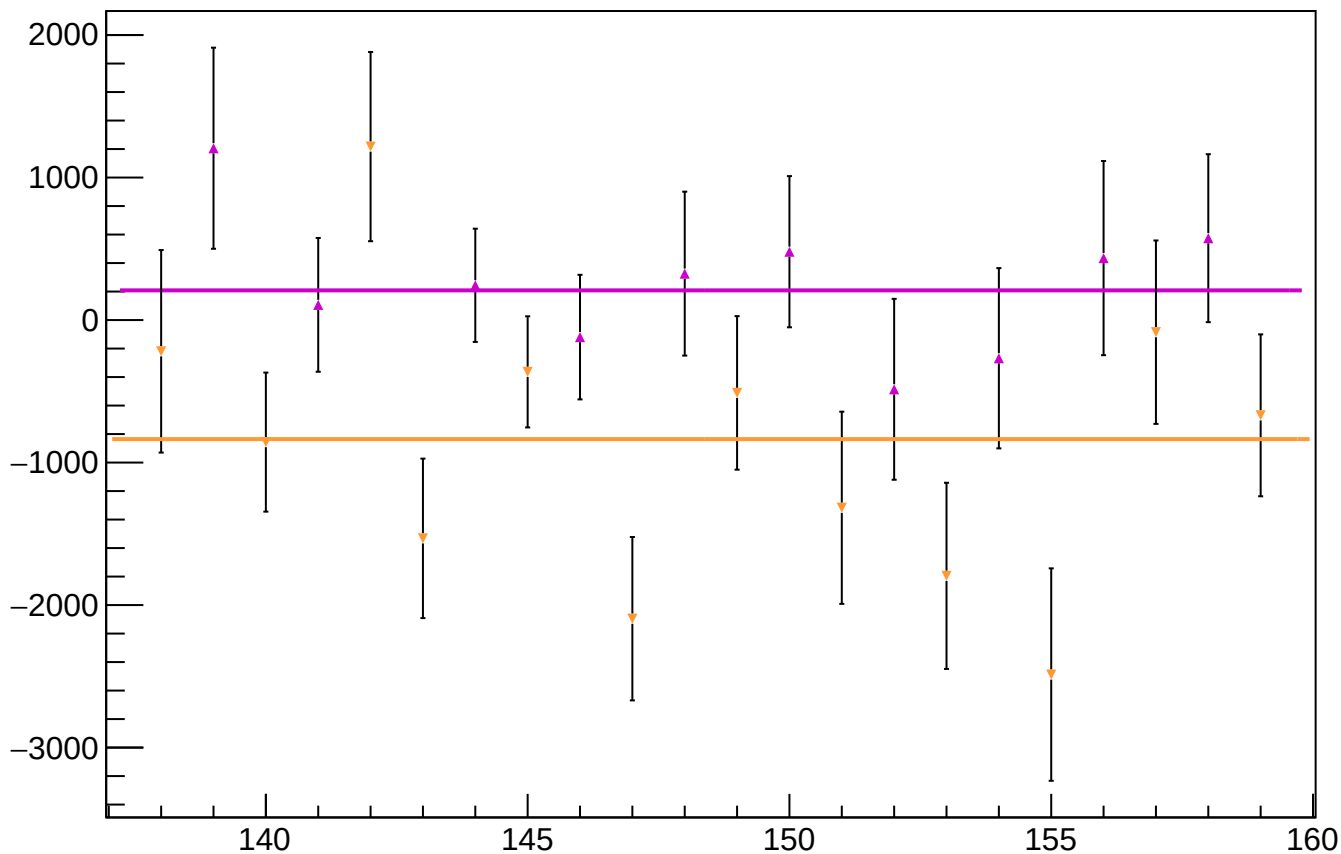
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 476.007+/-0.119 χ^2/NDF : 576728.1/9

Out: 482.451+/-0.117 χ^2/NDF : 674561.3/11

All: 479.297+/-0.084 χ^2/NDF : 1252775.7/21

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -835.561+/-165.366 χ^2/NDF :27.5/11

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

Left In: 208.282+/-169.749 χ^2/NDF :5.2/9

Left: -327.289+/-118.451 χ^2/NDF : 52.1/21

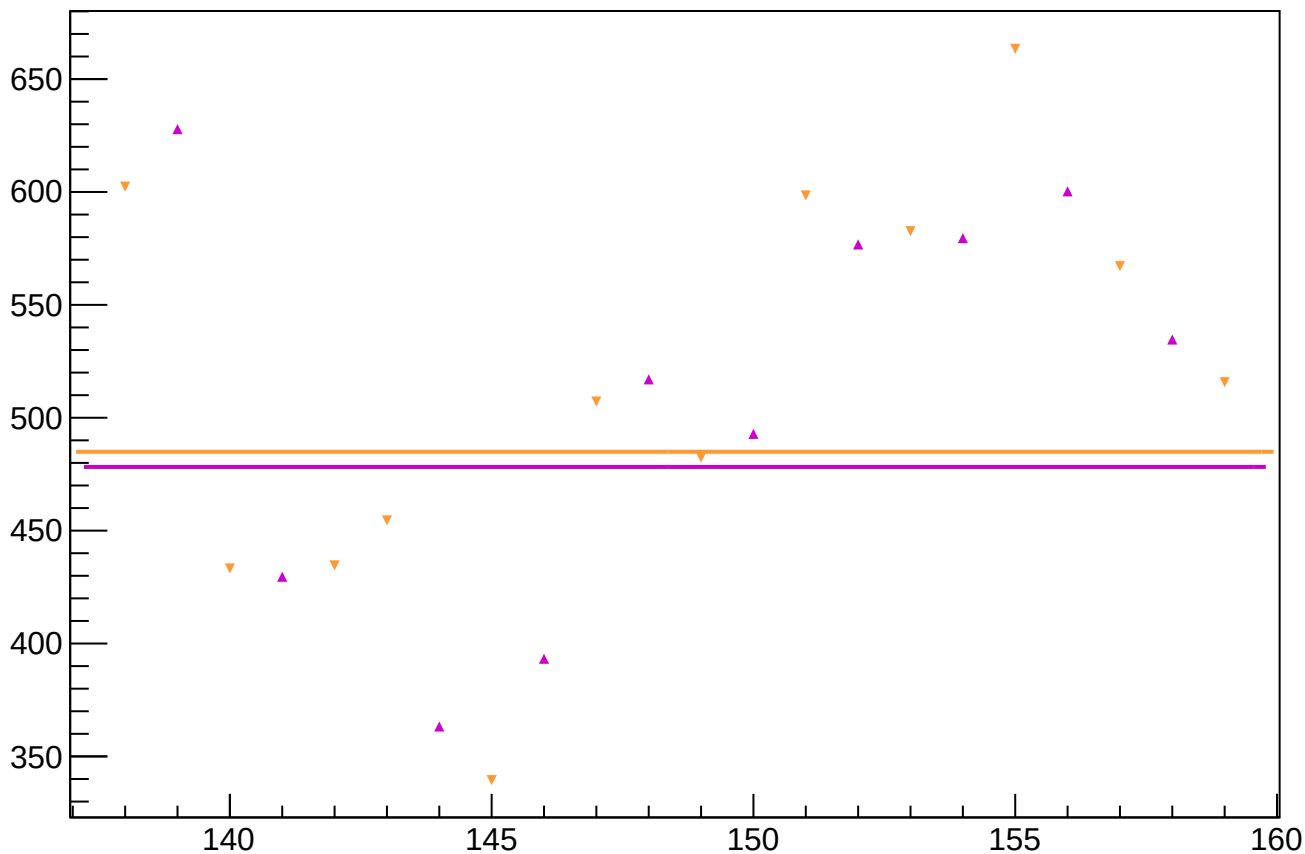
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 208.282+/-169.749 χ^2/NDF :5.2/9

Out: -835.561+/-165.366 χ^2/NDF :27.5/11

All: -327.289+/-118.451 χ^2/NDF : 52.1/21

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 484.935+/-0.117 χ^2/NDF : 630477.8/11

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

Left In: 478.208+/-0.120 χ^2/NDF : 547102.7/9

Left: 481.660+/-0.084 χ^2/NDF : 1179192.1/21

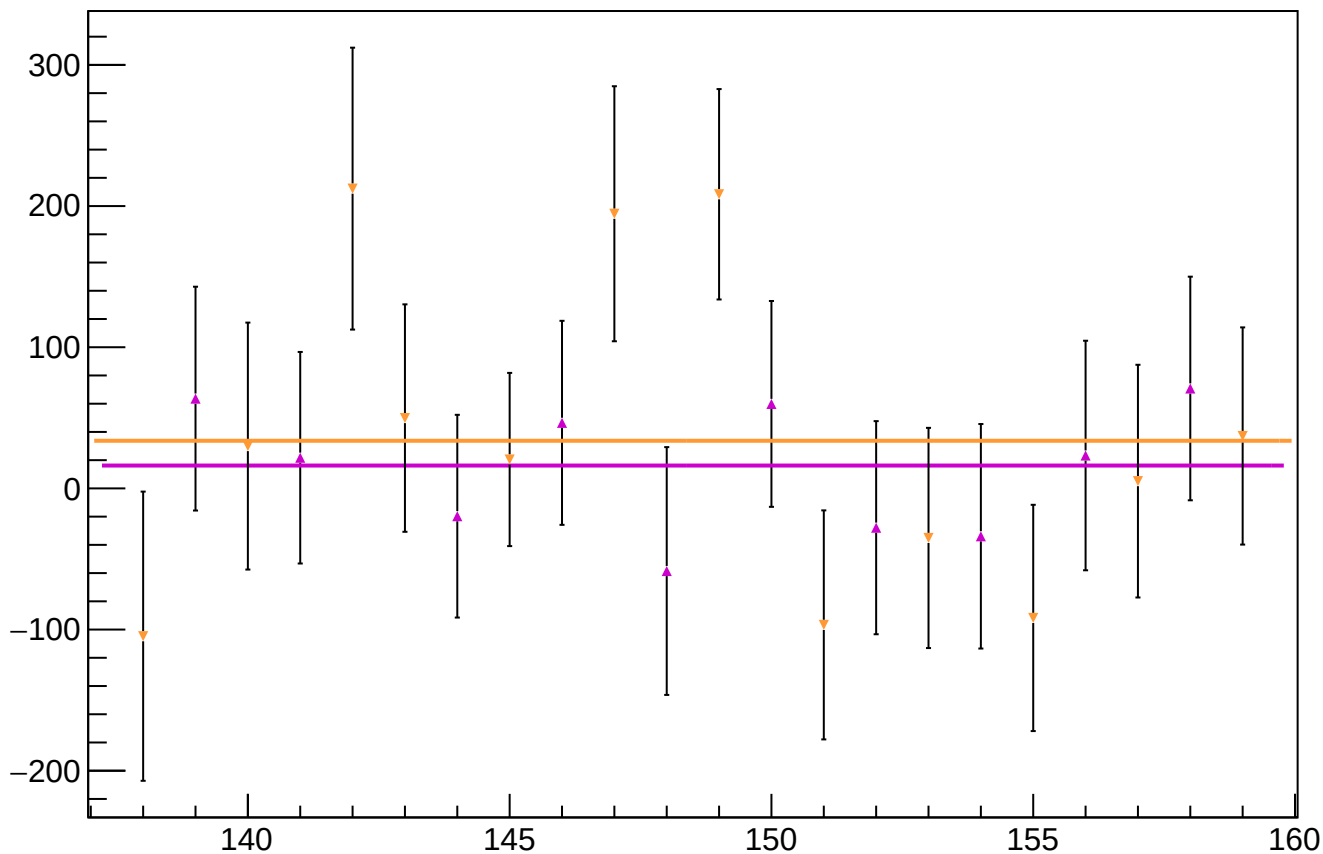
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 478.208+/-0.120 χ^2/NDF : 547102.7/9

Out: 484.935+/-0.117 χ^2/NDF : 630477.8/11

All: 481.660+/-0.084 χ^2/NDF : 1179192.1/21

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: 33.748 $\pm$ 23.333 χ^2 /NDF:19.7/11

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

Left In: 16.192 $\pm$ 24.363 χ^2 /NDF:3.1/9

Left: 25.349 $\pm$ 16.851 χ^2 /NDF: 23.1/21

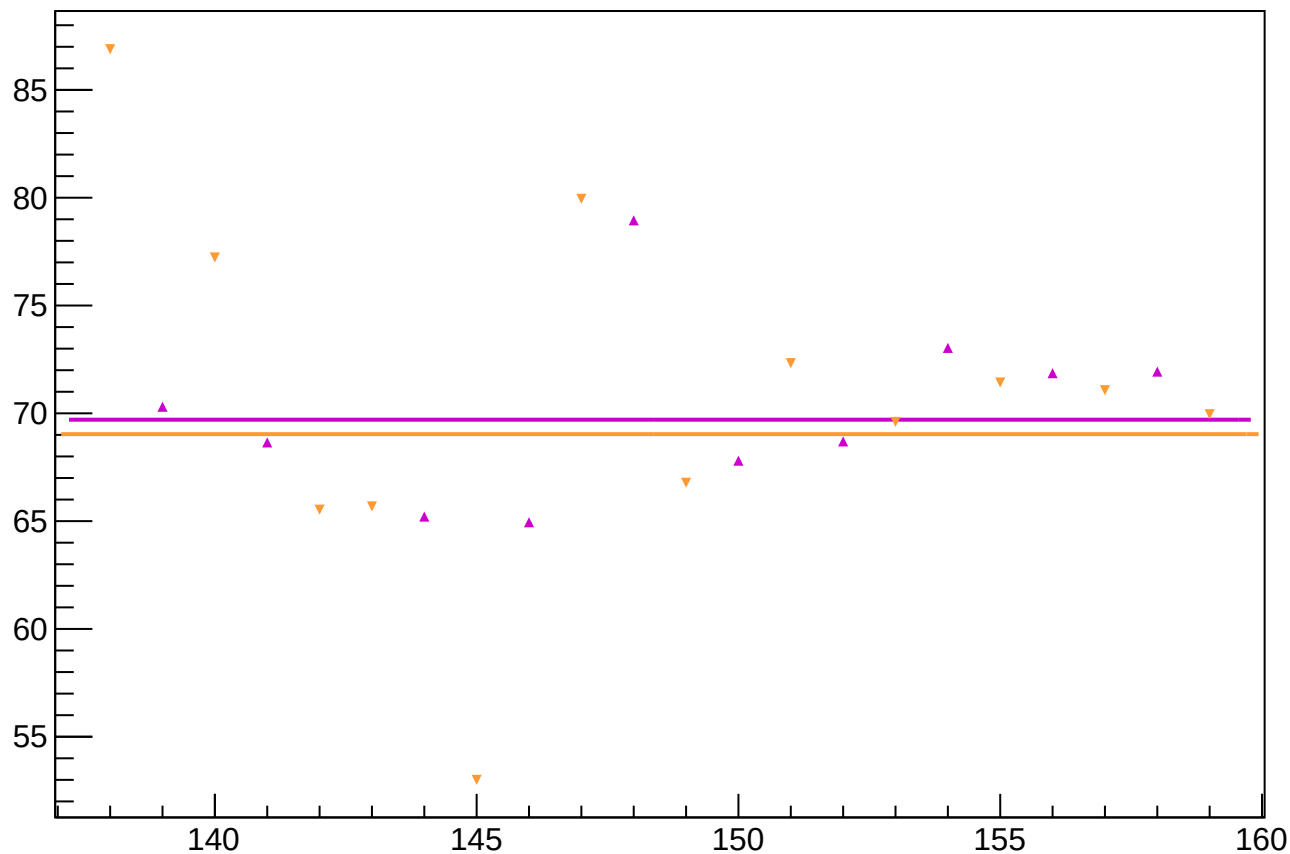
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 16.192 $\pm$ 24.363 χ^2 /NDF:3.1/9

Out: 33.748 $\pm$ 23.333 χ^2 /NDF:19.7/11

All: 25.349 $\pm$ 16.851 χ^2 /NDF: 23.1/21

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: 69.034+/-0.016 χ^2/NDF :258553.4/11

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

Left In: 69.705+/-0.017 χ^2/NDF :47413.7/9

Left: 69.355+/-0.012 χ^2/NDF : 306759.0/21

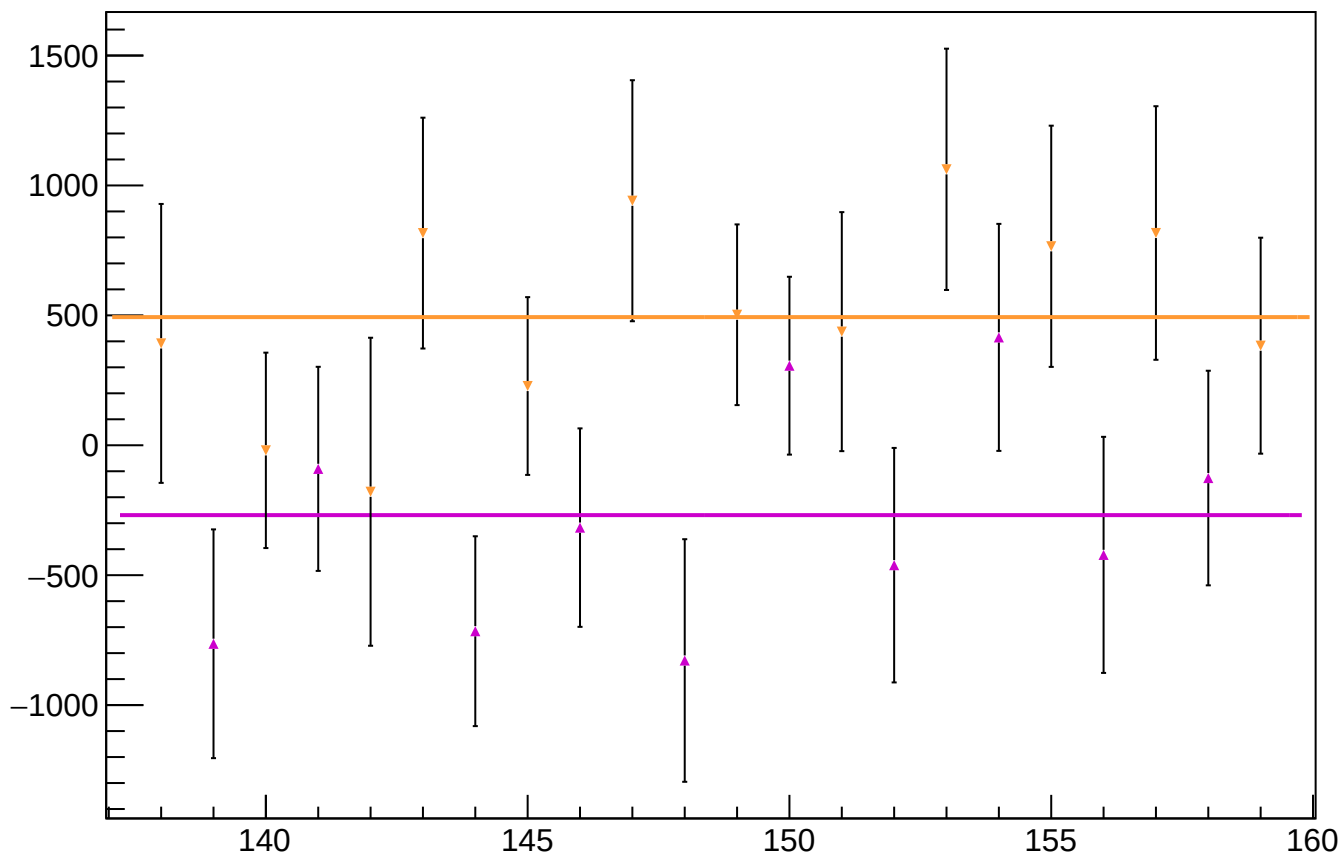
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 69.705+/-0.017 χ^2/NDF :47413.7/9

Out: 69.034+/-0.016 χ^2/NDF :258553.4/11

All: 69.355+/-0.012 χ^2/NDF : 306759.0/21

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: 493.247+/-125.089 χ^2/NDF : 7.6/11

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

Left In: -268.884+/-129.131 χ^2/NDF : 10.1/9

Left: 124.295+/-89.846 χ^2/NDF : 35.7/21

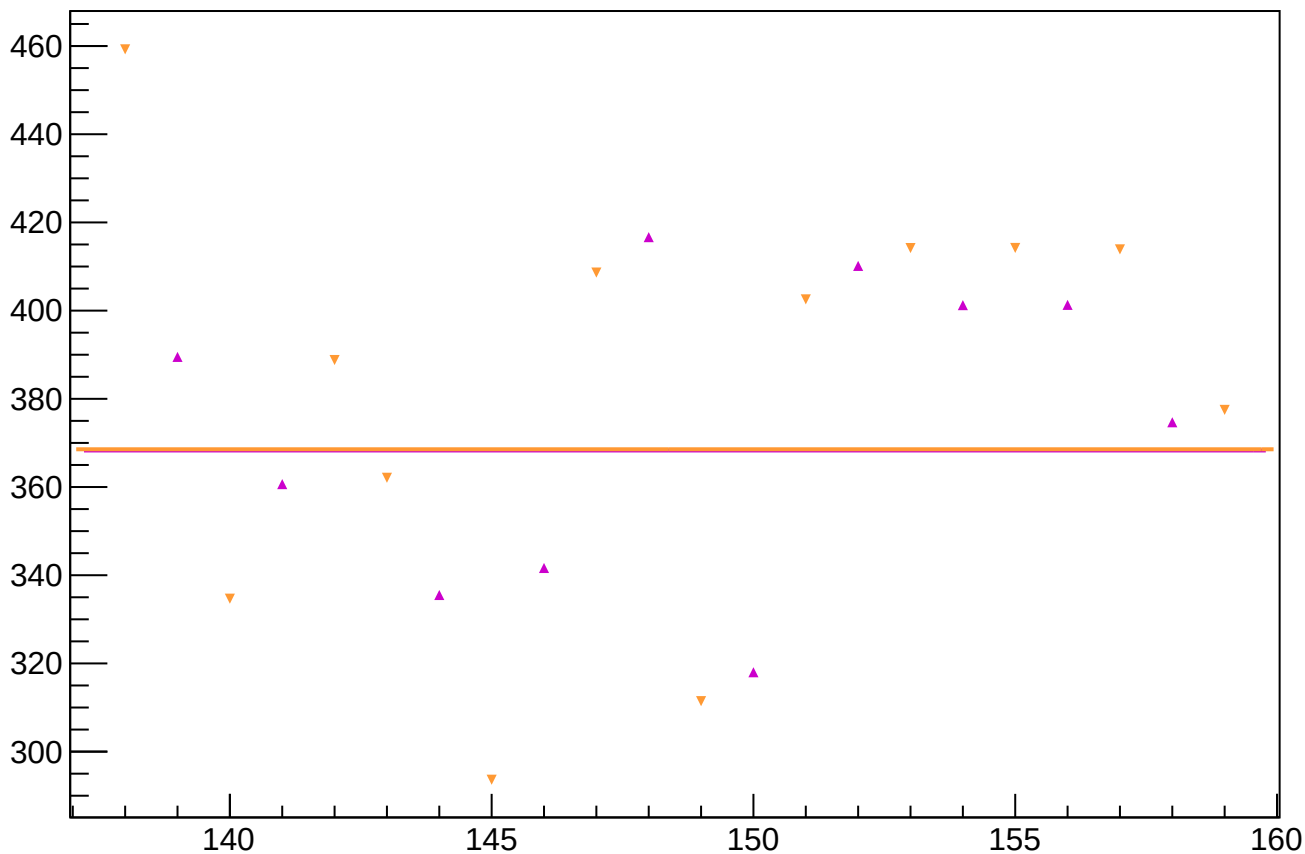
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -268.884+/-129.131 χ^2/NDF : 10.1/9

Out: 493.247+/-125.089 χ^2/NDF : 7.6/11

All: 124.295+/-89.846 χ^2/NDF : 35.7/21

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: 368.558+/-0.088 χ^2/NDF :308669.5/11

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

Left In: 368.293+/-0.091 χ^2/NDF :135510.4/9

Left: 368.430+/-0.064 χ^2/NDF : 444184.2/21

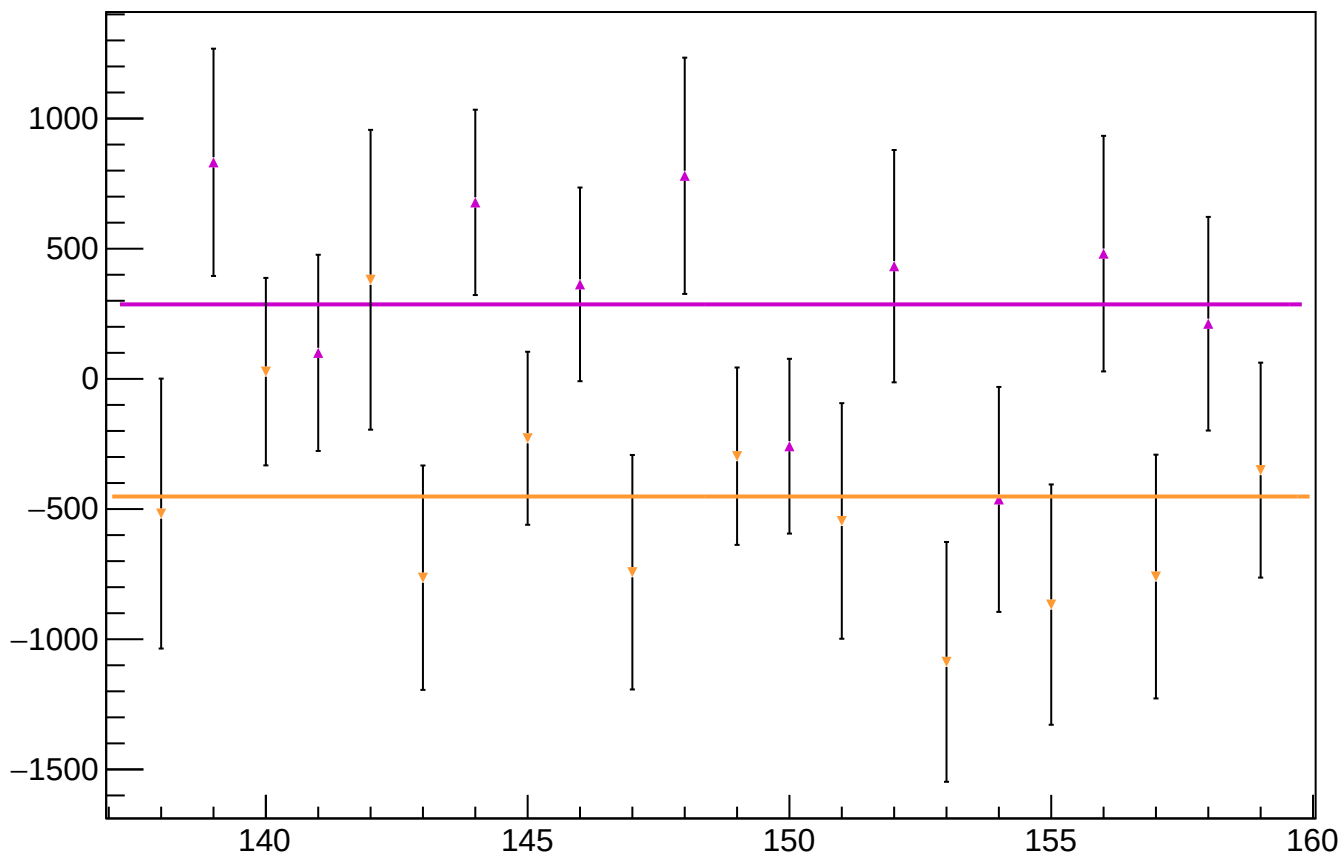
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 368.293+/-0.091 χ^2/NDF :135510.4/9

Out: 368.558+/-0.088 χ^2/NDF :308669.5/11

All: 368.430+/-0.064 χ^2/NDF : 444184.2/21

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -451.729+/-122.024 χ^2/NDF : 8.7/11

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

Left In: 286.174+/-126.641 χ^2/NDF : 10.2/9

Left: -96.475+/-87.871 χ^2/NDF : 36.5/21

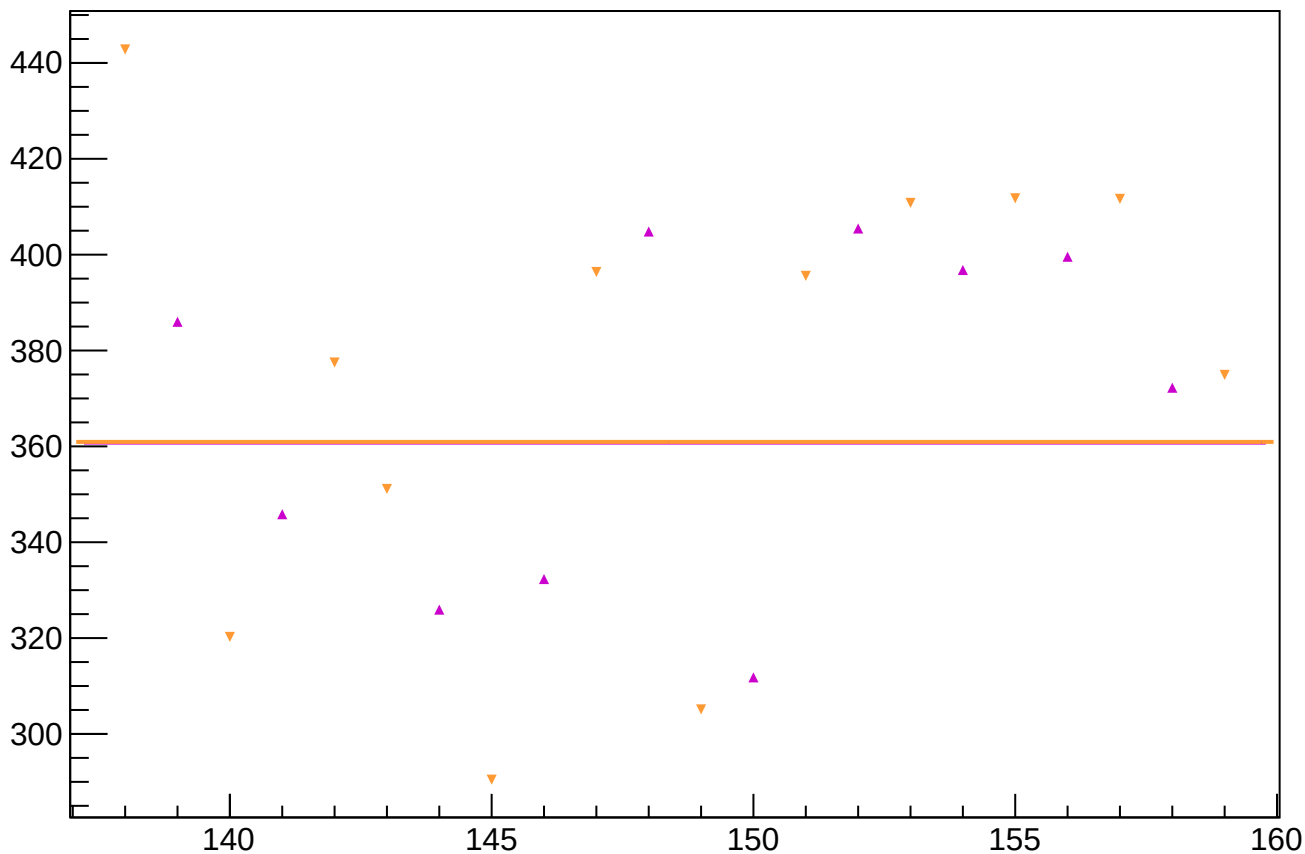
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 286.174+/-126.641 χ^2/NDF : 10.2/9

Out: -451.729+/-122.024 χ^2/NDF : 8.7/11

All: -96.475+/-87.871 χ^2/NDF : 36.5/21

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 360.934+/-0.086 χ^2/NDF :319334.4/11

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

Left In: 360.792+/-0.090 χ^2/NDF :152339.6/9

Left: 360.865+/-0.062 χ^2/NDF : 471675.3/21

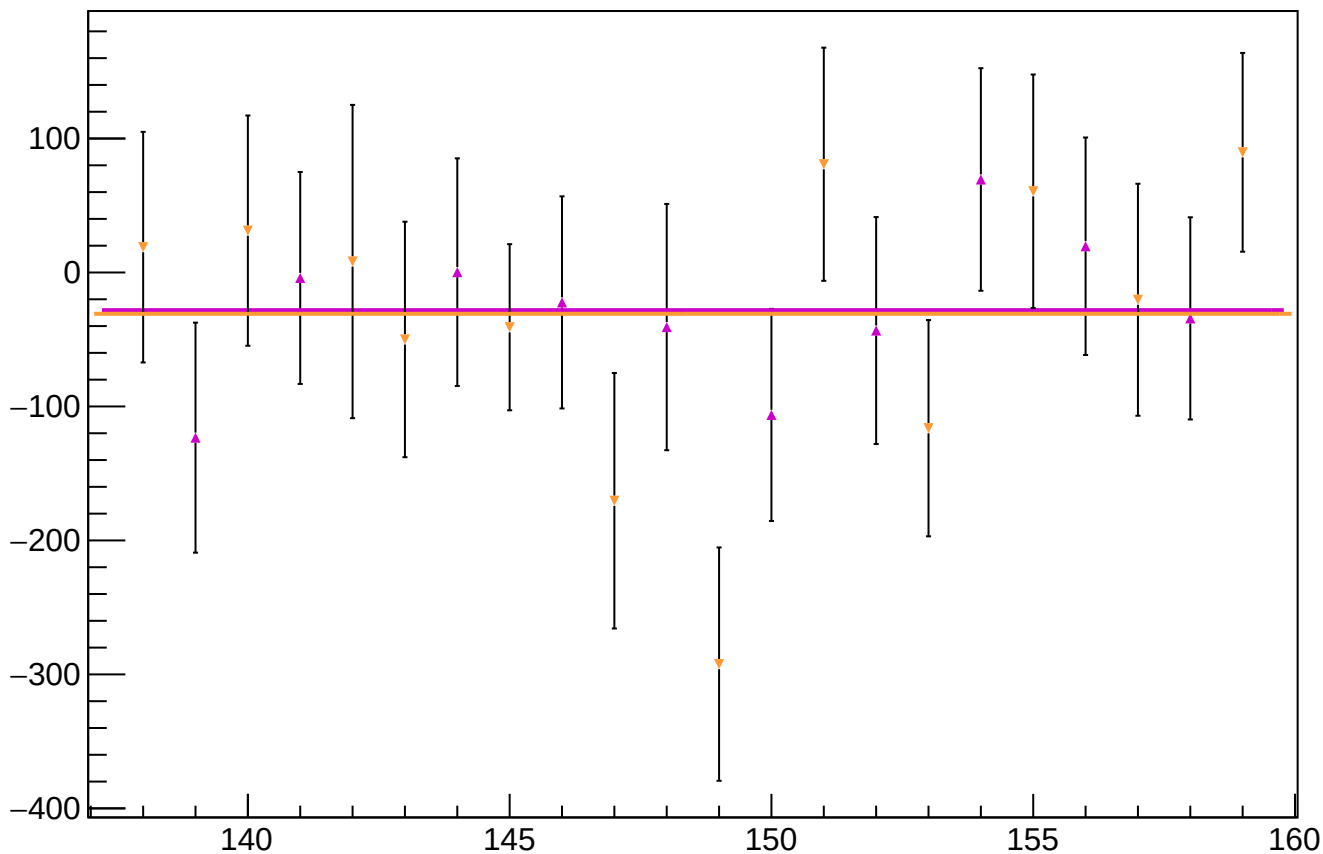
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 360.792+/-0.090 χ^2/NDF :152339.6/9

Out: 360.934+/-0.086 χ^2/NDF :319334.4/11

All: 360.865+/-0.062 χ^2/NDF : 471675.3/21

dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -30.823+/-24.203 χ^2/NDF :18.7/11

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

Left In: -28.120+/-25.965 χ^2/NDF :4.2/9

Left: -29.567+/-17.704 χ^2/NDF : 22.9/21

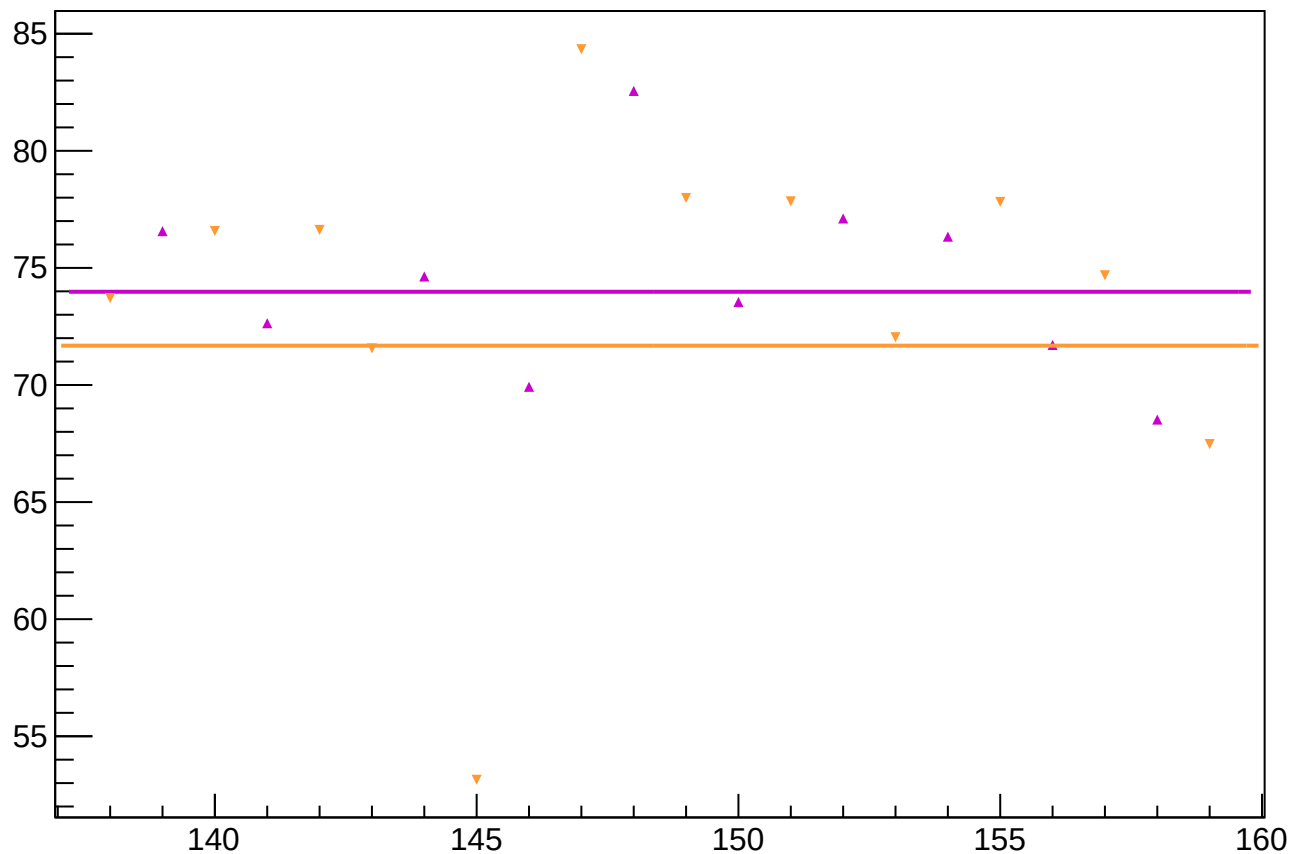
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -28.120+/-25.965 χ^2/NDF :4.2/9

Out: -30.823+/-24.203 χ^2/NDF :18.7/11

All: -29.567+/-17.704 χ^2/NDF : 22.9/21

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: 71.680+/-0.017 χ^2/NDF :264545.6/11

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

Left In: 73.981+/-0.018 χ^2/NDF :41612.5/9

Left: 72.750+/-0.013 χ^2/NDF : 314566.2/21

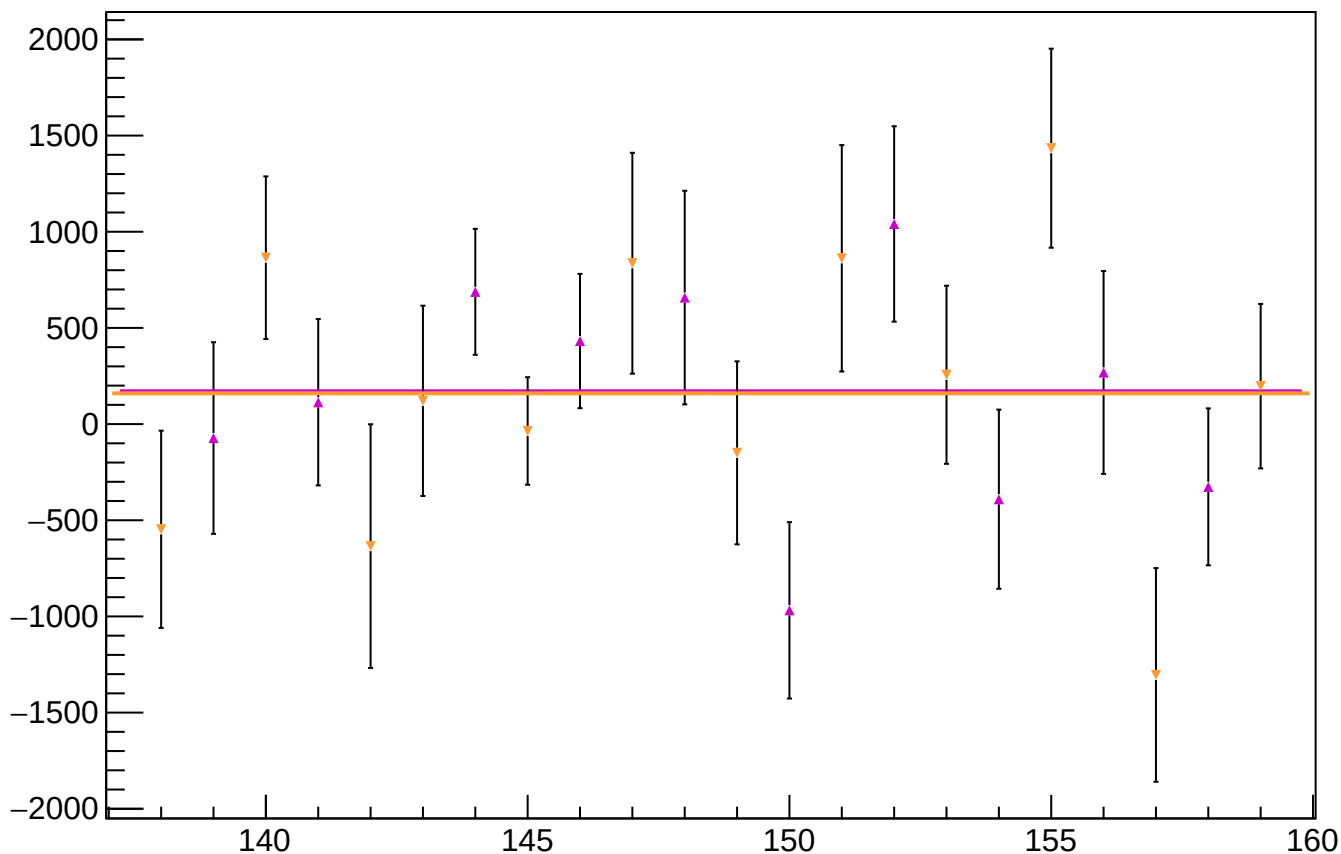
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 73.981+/-0.018 χ^2/NDF :41612.5/9

Out: 71.680+/-0.017 χ^2/NDF :264545.6/11

All: 72.750+/-0.013 χ^2/NDF : 314566.2/21

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: 159.831+/-133.361 χ^2/NDF :23.0/11

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

Left In: 170.455+/-137.378 χ^2/NDF :16.1/9

Left: 164.986+/-95.689 χ^2/NDF : 39.2/21

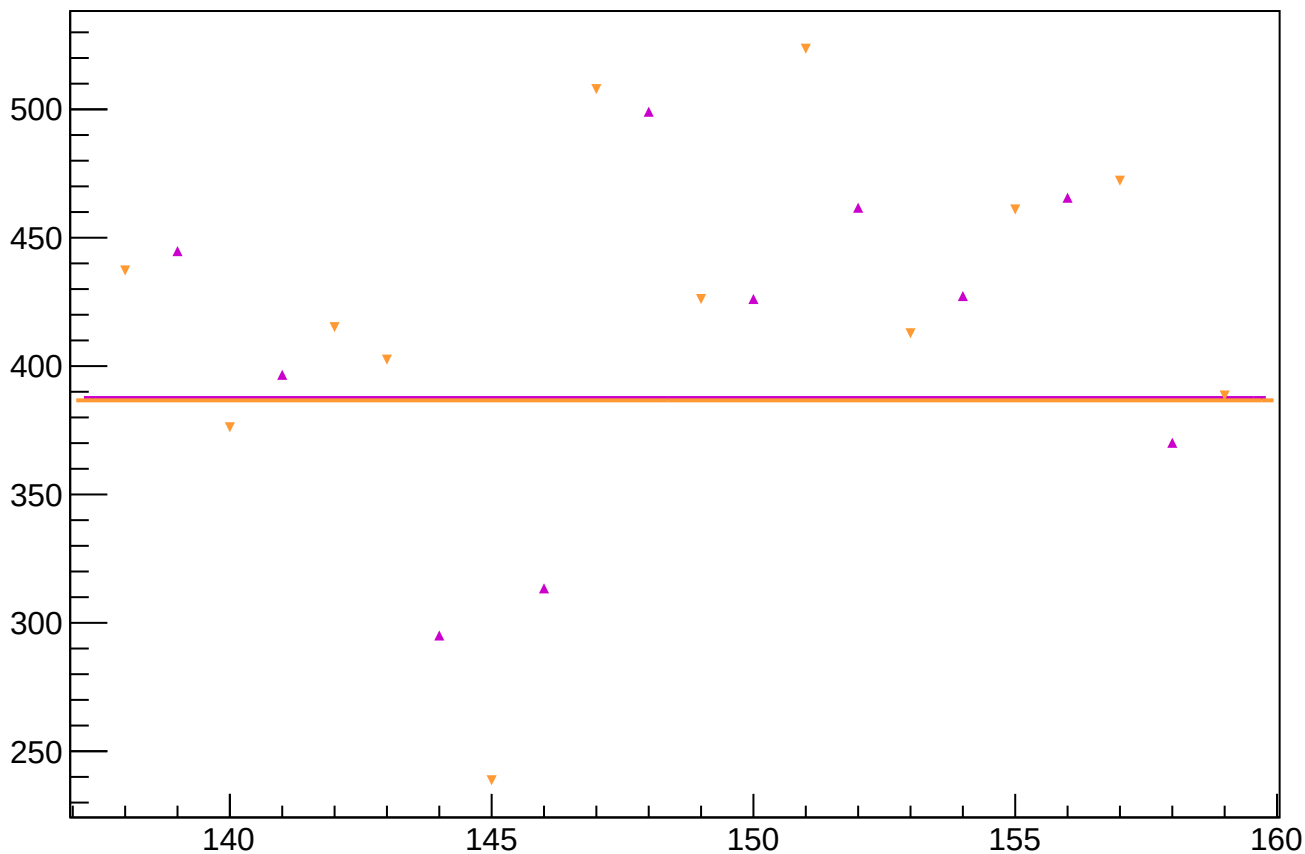
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 170.455+/-137.378 χ^2/NDF :16.1/9

Out: 159.831+/-133.361 χ^2/NDF :23.0/11

All: 164.986+/-95.689 χ^2/NDF : 39.2/21

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: 386.661+/-0.094 χ^2/NDF : 893491.0/11

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

Left In: 387.562+/-0.097 χ^2/NDF : 476231.7/9

Left: 387.098+/-0.068 χ^2/NDF : 1369766.9/21

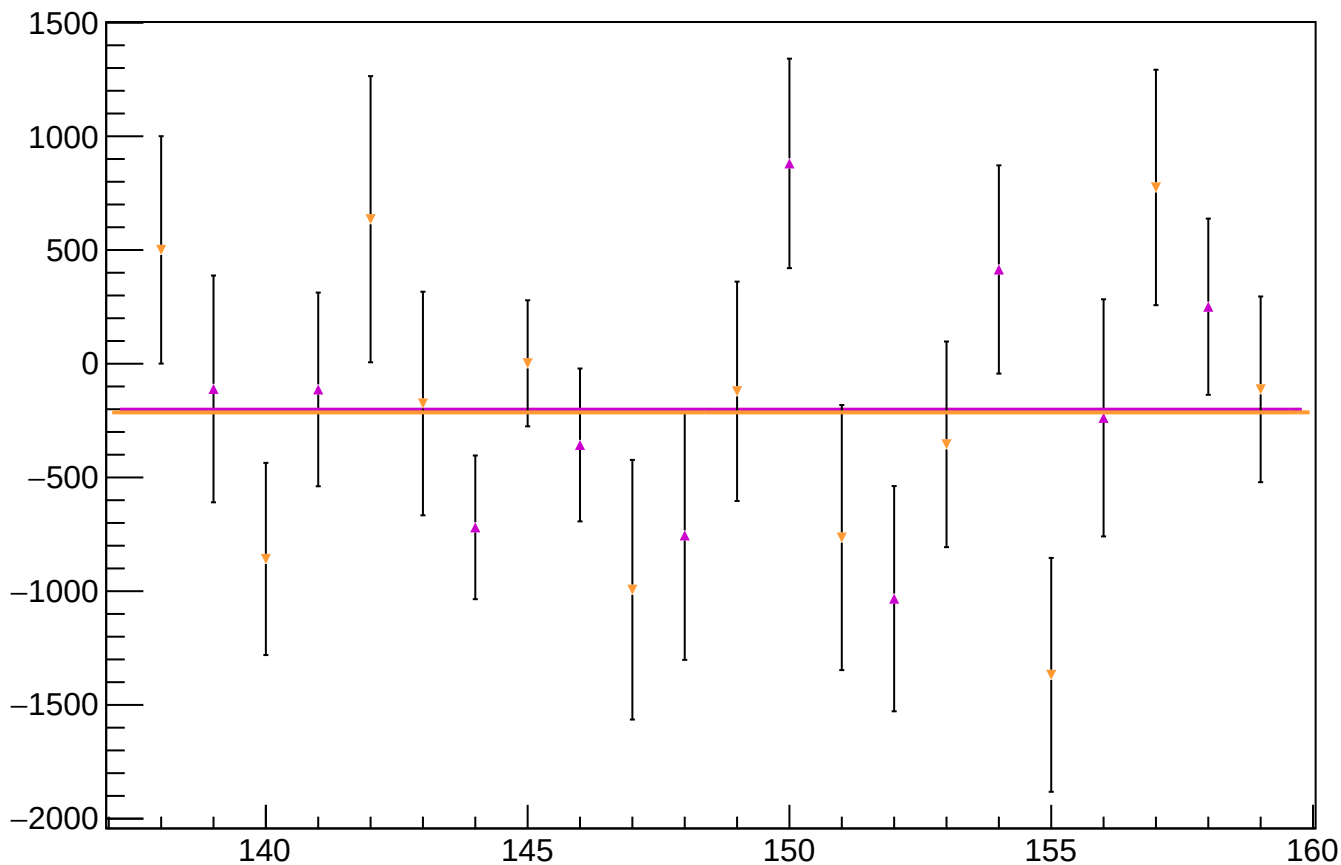
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 387.562+/-0.097 χ^2/NDF : 476231.7/9

Out: 386.661+/-0.094 χ^2/NDF : 893491.0/11

All: 387.098+/-0.068 χ^2/NDF : 1369766.9/21

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -213.963+/-131.280 χ^2/NDF :18.4/11

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

Left In: -202.044+/-134.024 χ^2/NDF :15.5/9

Left: -208.127+/-93.784 χ^2/NDF : 34.0/21

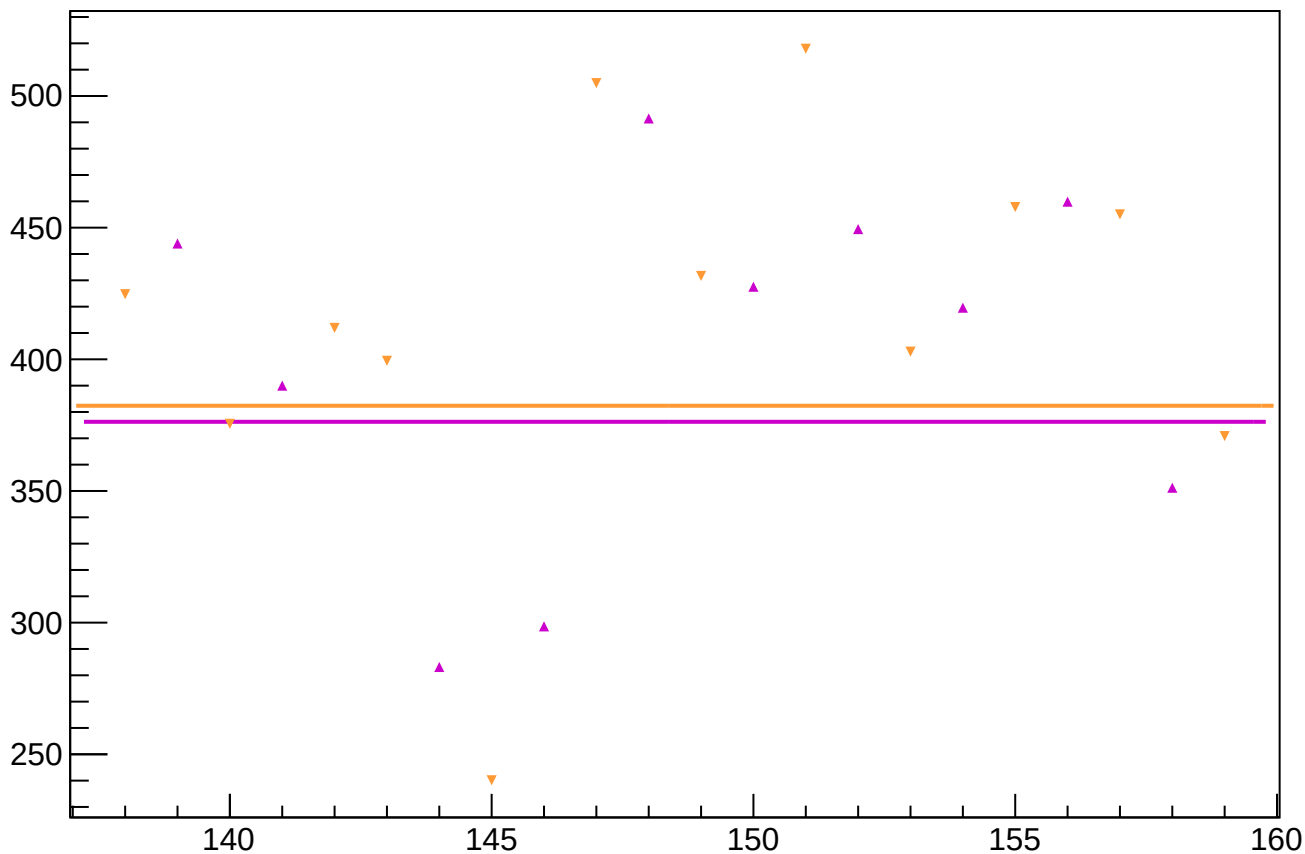
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -202.044+/-134.024 χ^2/NDF :15.5/9

Out: -213.963+/-131.280 χ^2/NDF :18.4/11

All: -208.127+/-93.784 χ^2/NDF : 34.0/21

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 382.366+/-0.093 χ^2/NDF : 858208.6/11

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

Left In: 376.272+/-0.095 χ^2/NDF : 554542.9/9

Left: 379.382+/-0.066 χ^2/NDF : 1414861.7/21

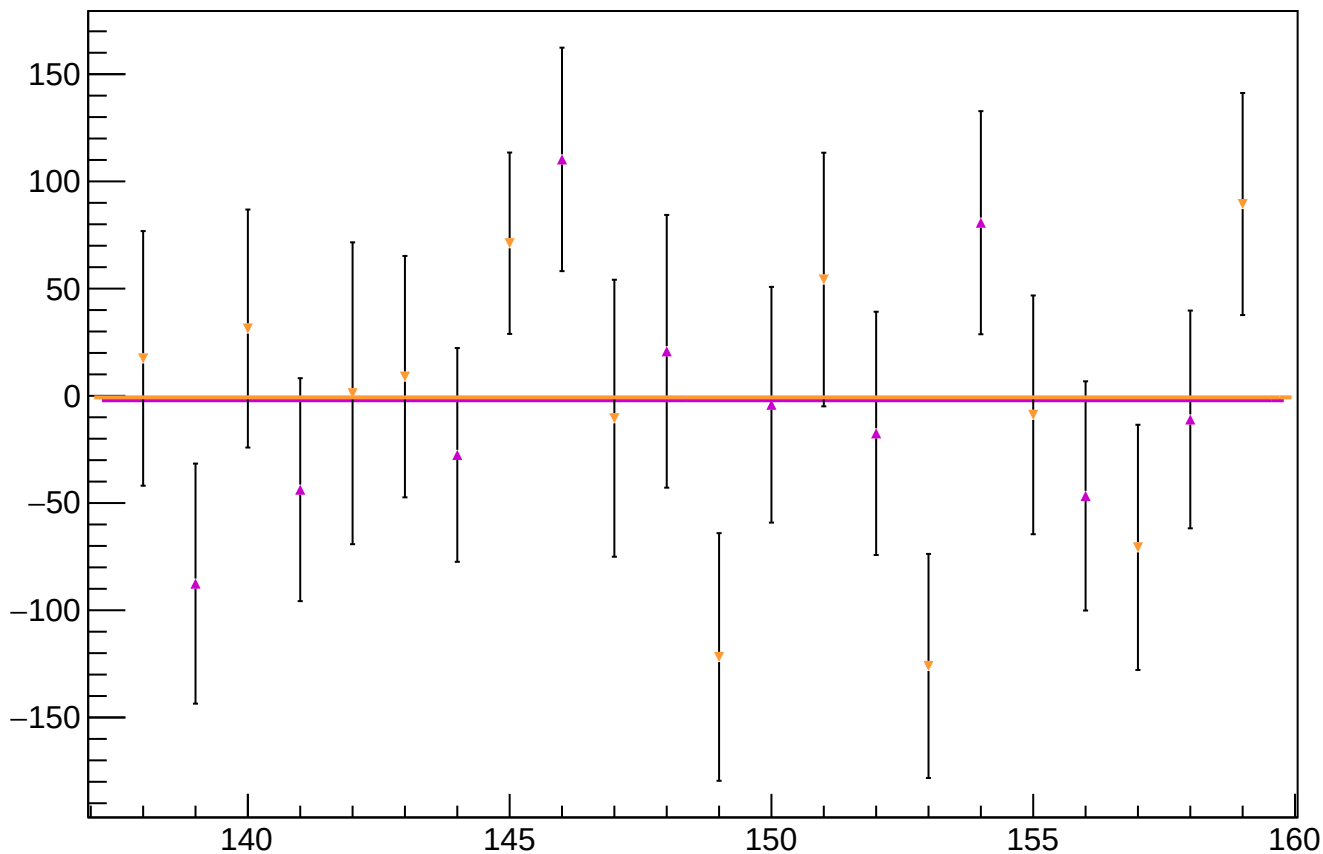
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 376.272+/-0.095 χ^2/NDF : 554542.9/9

Out: 382.366+/-0.093 χ^2/NDF : 858208.6/11

All: 379.382+/-0.066 χ^2/NDF : 1414861.7/21

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: -0.721 $\pm$ 16.058 χ^2 /NDF:18.9/11

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

Left In: -2.054 $\pm$ 17.010 χ^2 /NDF:11.4/9

Left: -1.349 $\pm$ 11.677 χ^2 /NDF: 30.3/21

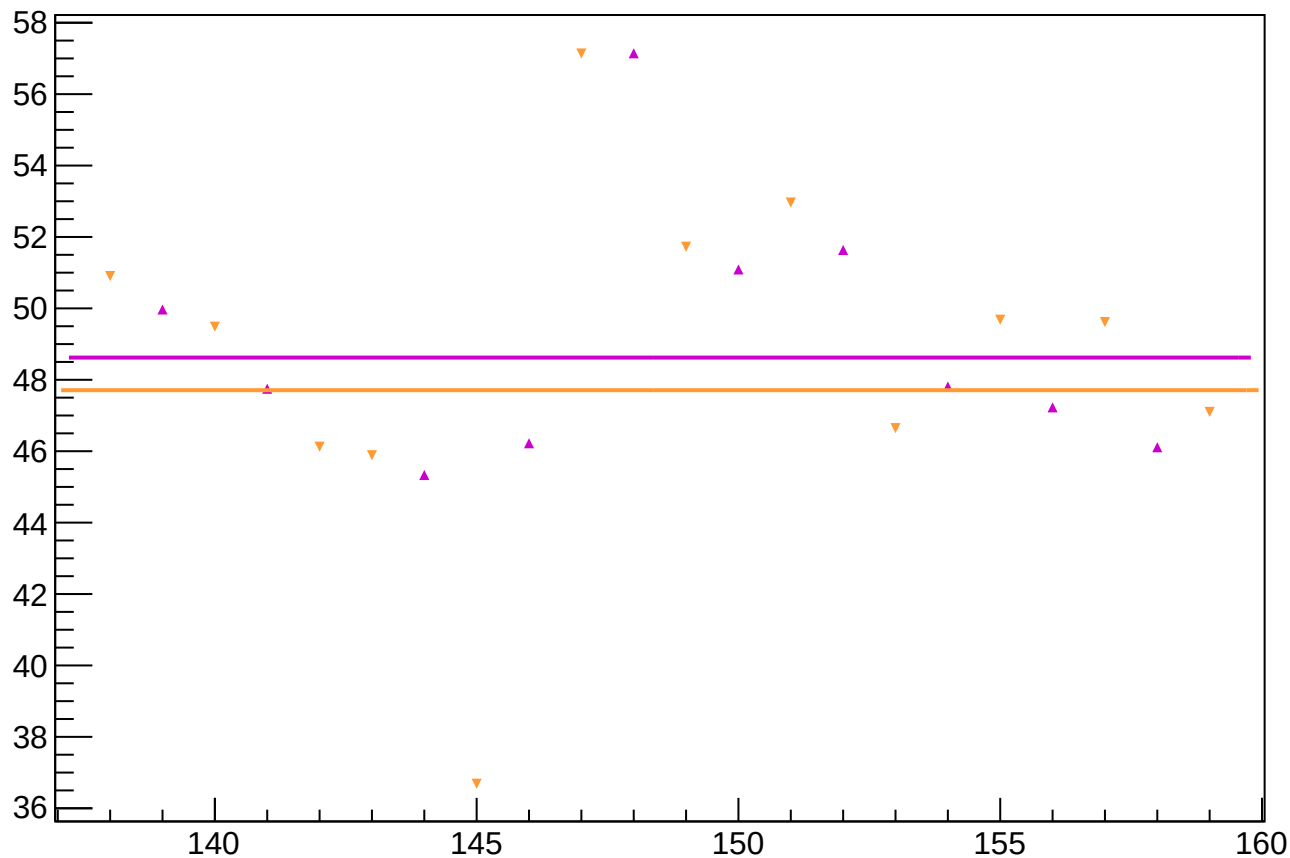
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -2.054 $\pm$ 17.010 χ^2 /NDF:11.4/9

Out: -0.721 $\pm$ 16.058 χ^2 /NDF:18.9/11

All: -1.349 $\pm$ 11.677 χ^2 /NDF: 30.3/21

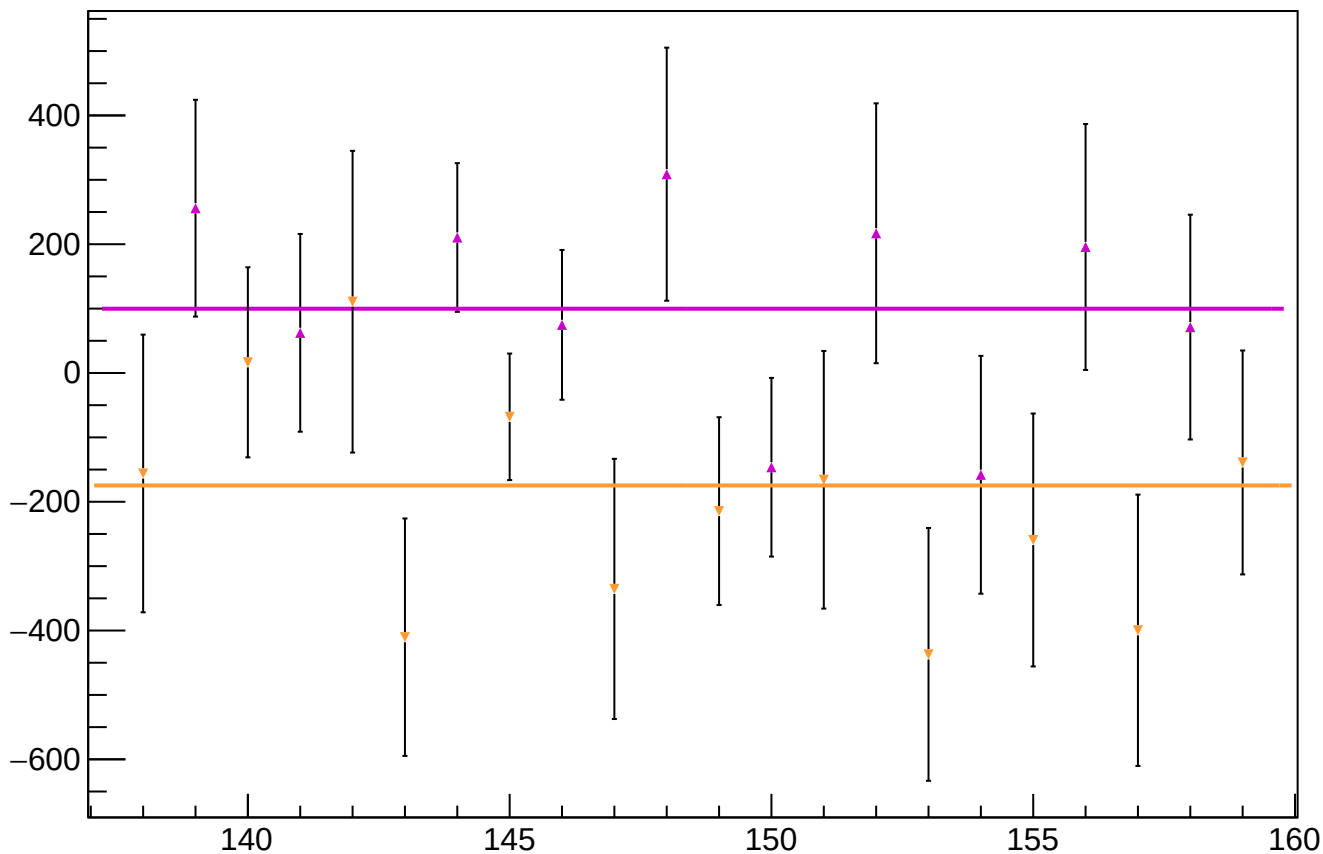
dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 47.709 $\pm$ 0.011 χ^2 /NDF:220709.0/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 48.622 $\pm$ 0.012 χ^2 /NDF:66988.3/9

Left: 48.139 $\pm$ 0.008 χ^2 /NDF: 290744.7/21
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 48.622 $\pm$ 0.012 χ^2 /NDF:66988.3/9
 Out: 47.709 $\pm$ 0.011 χ^2 /NDF:220709.0/11
 All: 48.139 $\pm$ 0.008 χ^2 /NDF: 290744.7/21

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: -174.658+/-48.646 χ^2/NDF : 9.8/11

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

Left In: 99.810+/-48.882 χ^2/NDF : 8.7/9

Left: -38.087+/-34.481 χ^2/NDF : 34.4/21

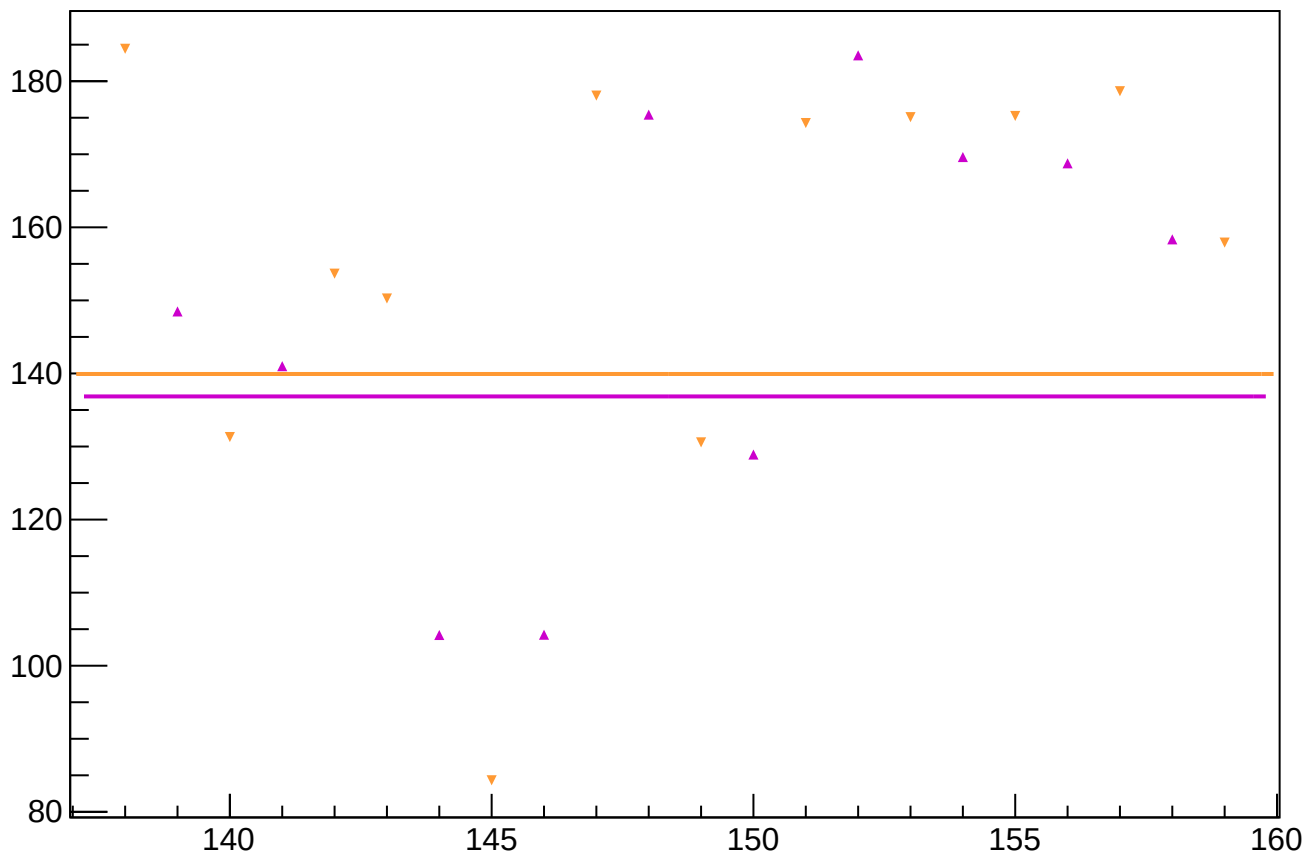
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 99.810+/-48.882 χ^2/NDF : 8.7/9

Out: -174.658+/-48.646 χ^2/NDF : 9.8/11

All: -38.087+/-34.481 χ^2/NDF : 34.4/21

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: 139.928+/-0.034 χ^2/NDF :1101694.6/11

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

Left In: 136.856+/-0.035 χ^2/NDF :667774.2/9

Left: 138.400+/-0.024 χ^2/NDF : 1773435.6/21

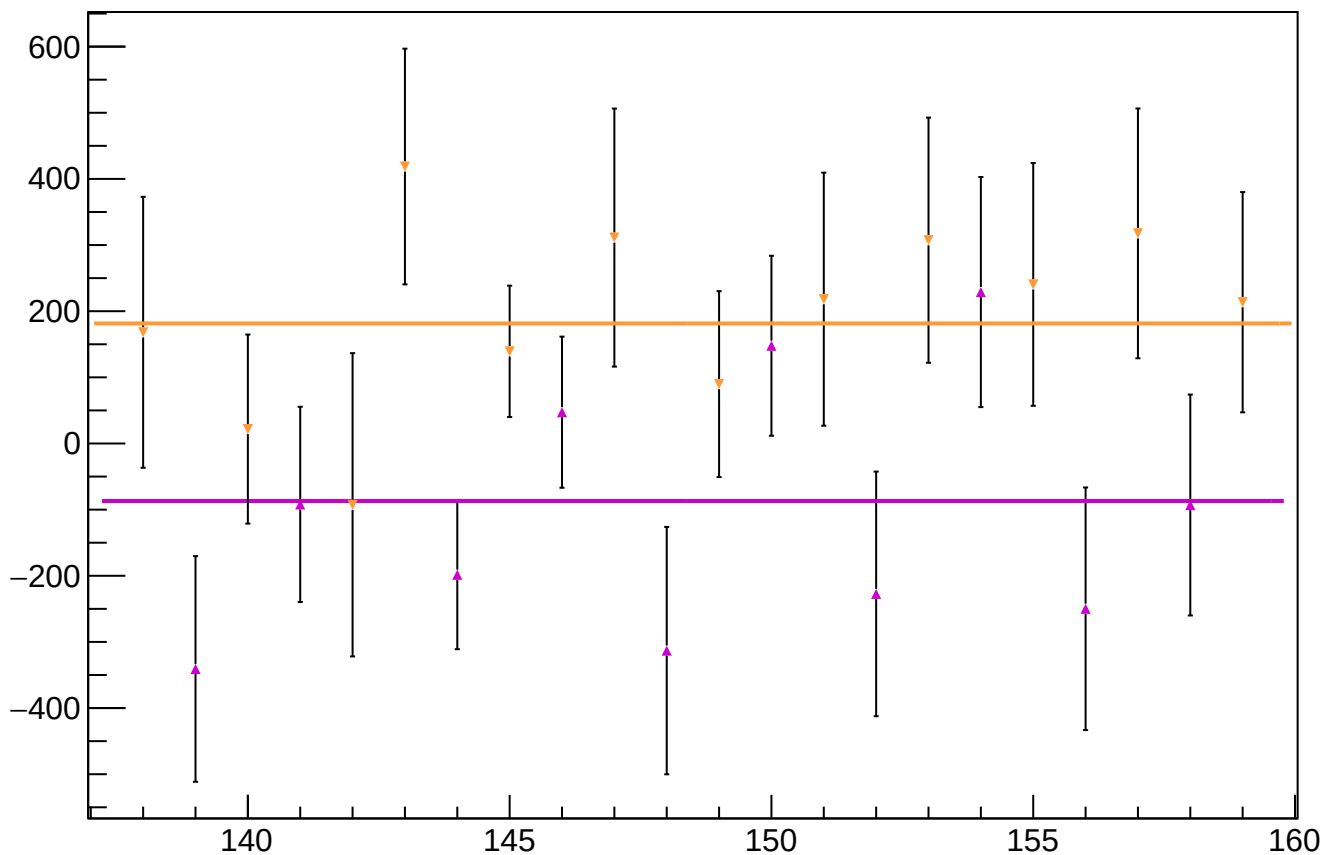
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 136.856+/-0.035 χ^2/NDF :667774.2/9

Out: 139.928+/-0.034 χ^2/NDF :1101694.6/11

All: 138.400+/-0.024 χ^2/NDF : 1773435.6/21

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 181.498+/-47.043 χ^2/NDF : 6.7/11

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

Left In: -86.937+/-47.334 χ^2/NDF : 13.7/9

Left: 48.109+/-33.367 χ^2/NDF : 36.5/21

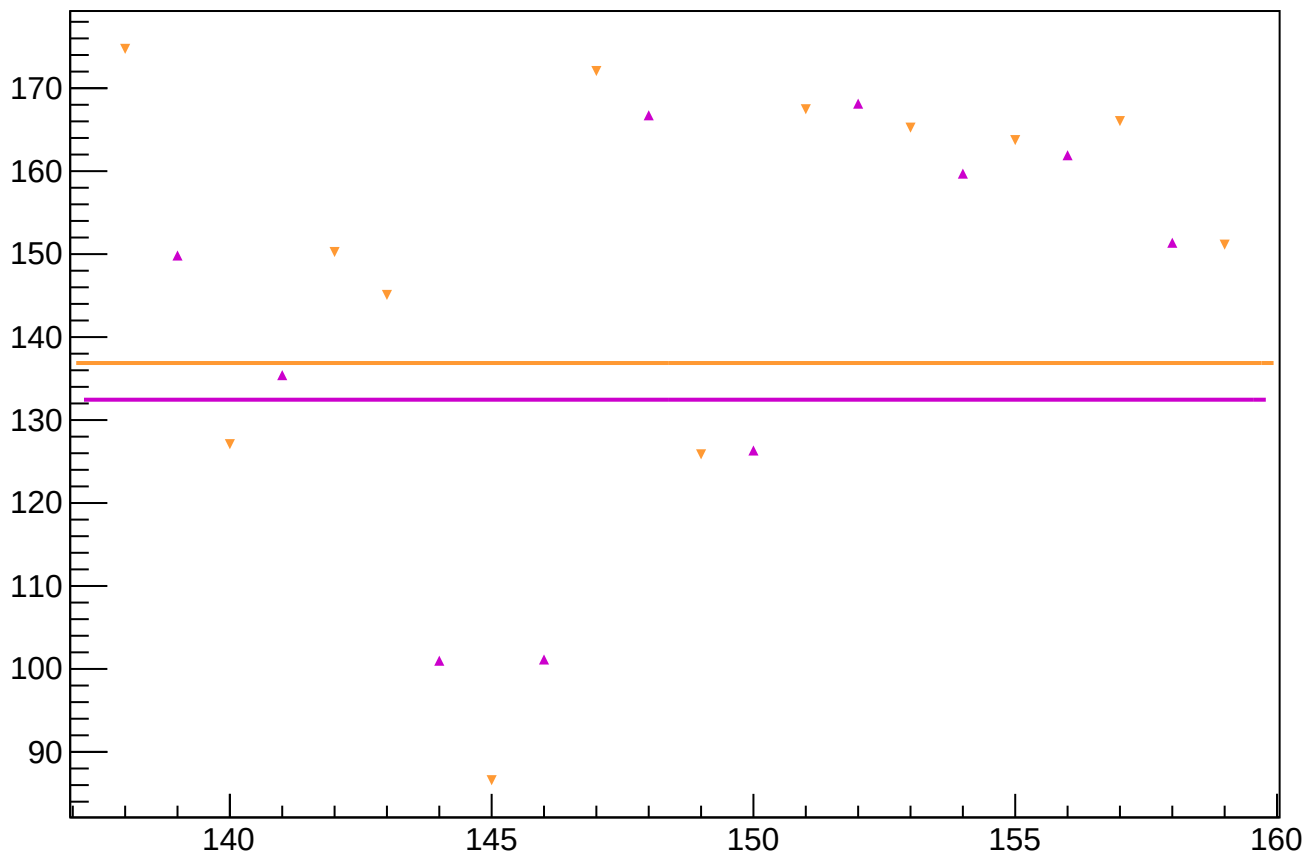
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -86.937+/-47.334 χ^2/NDF : 13.7/9

Out: 181.498+/-47.043 χ^2/NDF : 6.7/11

All: 48.109+/-33.367 χ^2/NDF : 36.5/21

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 136.874+/-0.033 χ^2/NDF : 882081.0/11

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

Left In: 132.452+/-0.033 χ^2/NDF : 600176.8/9

Left: 134.677+/-0.024 χ^2/NDF : 1491038.9/21

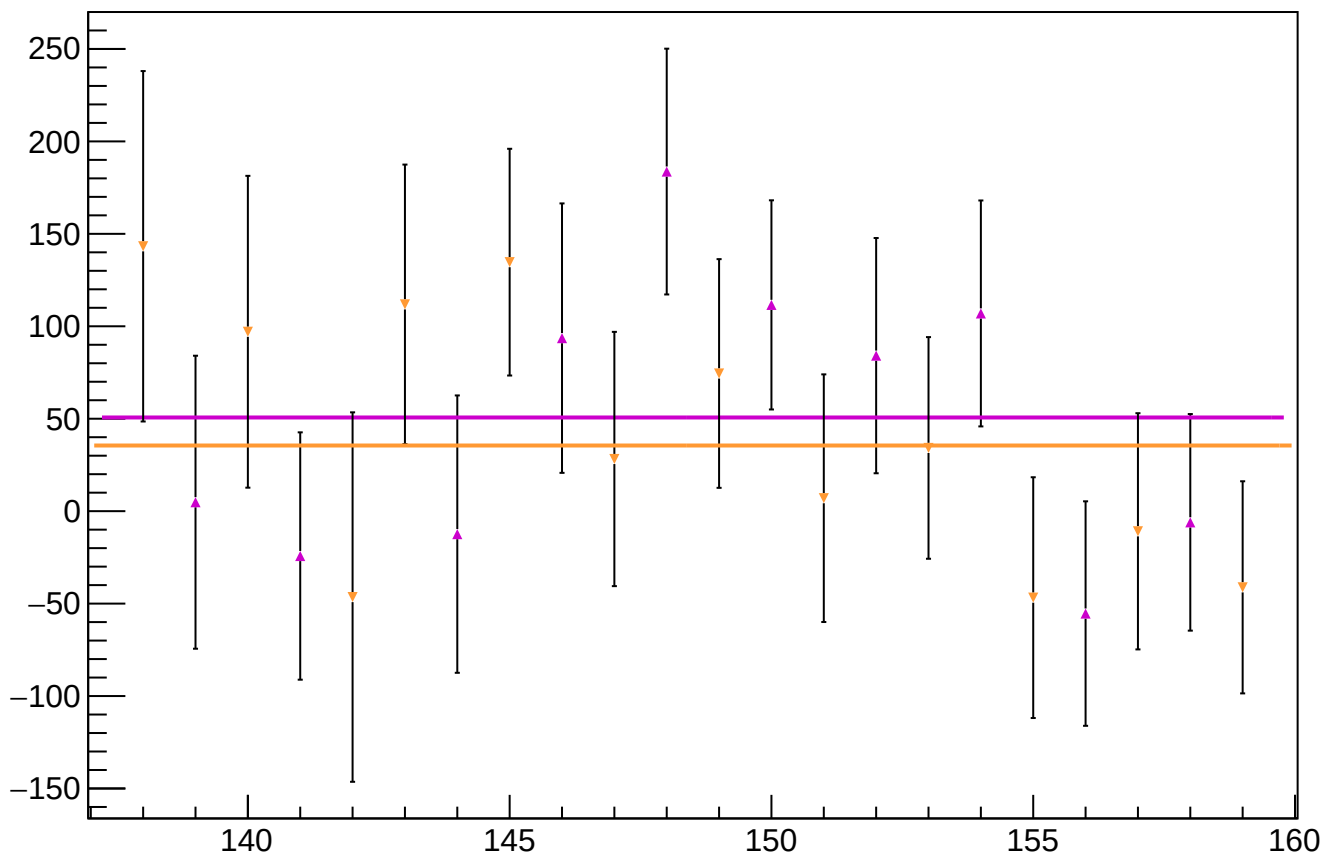
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 132.452+/-0.033 χ^2/NDF : 600176.8/9

Out: 136.874+/-0.033 χ^2/NDF : 882081.0/11

All: 134.677+/-0.024 χ^2/NDF : 1491038.9/21

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



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

Left Out: 35.512+/-19.796 χ^2/NDF :10.6/11

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

Left In: 50.670+/-20.562 χ^2/NDF :12.9/9

Left: 42.803+/-14.261 χ^2/NDF : 23.8/21

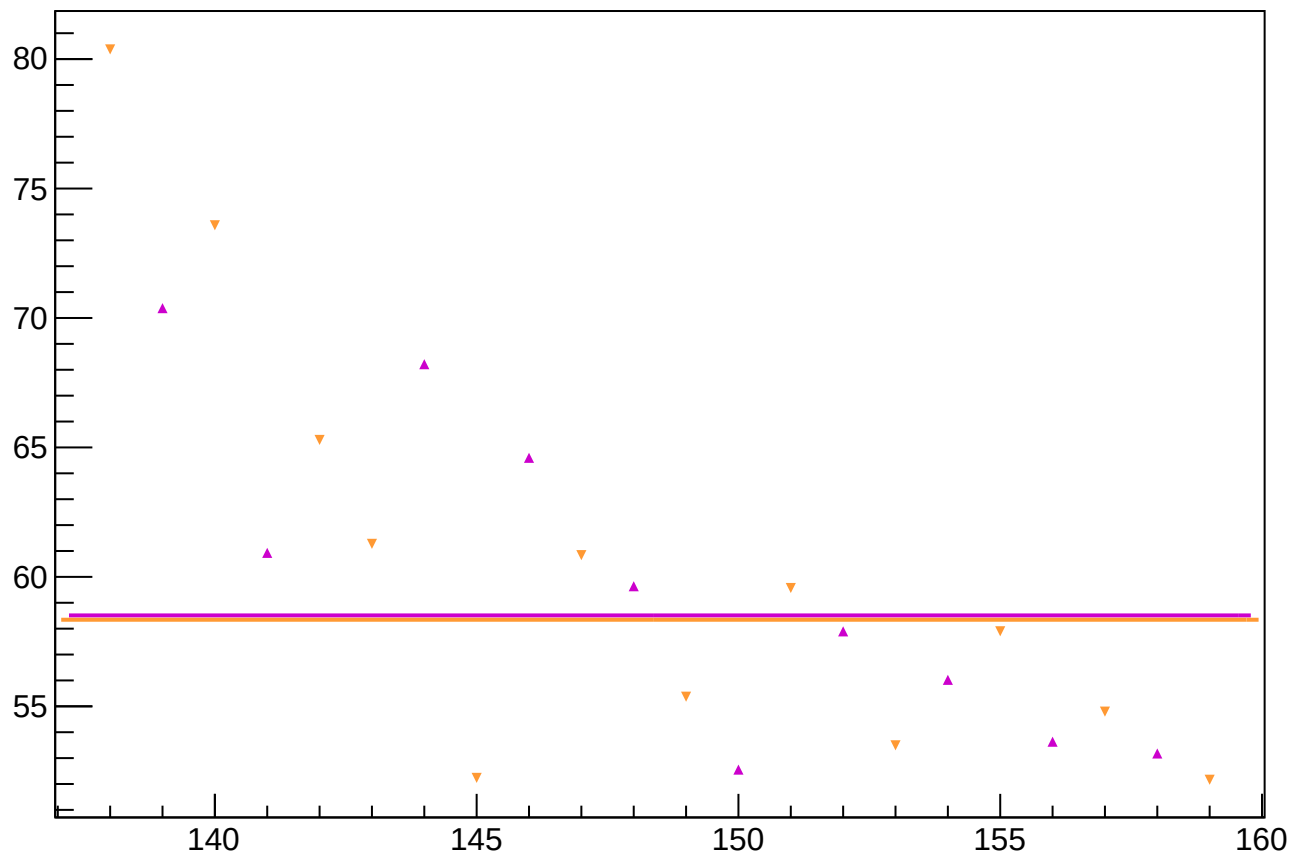
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 50.670+/-20.562 χ^2/NDF :12.9/9

Out: 35.512+/-19.796 χ^2/NDF :10.6/11

All: 42.803+/-14.261 χ^2/NDF : 23.8/21

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left Out: 58.344+/-0.014 χ^2/NDF :256375.2/11

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

Left In: 58.511+/-0.015 χ^2/NDF :150639.4/9

Left: 58.425+/-0.010 χ^2/NDF : 407082.8/21

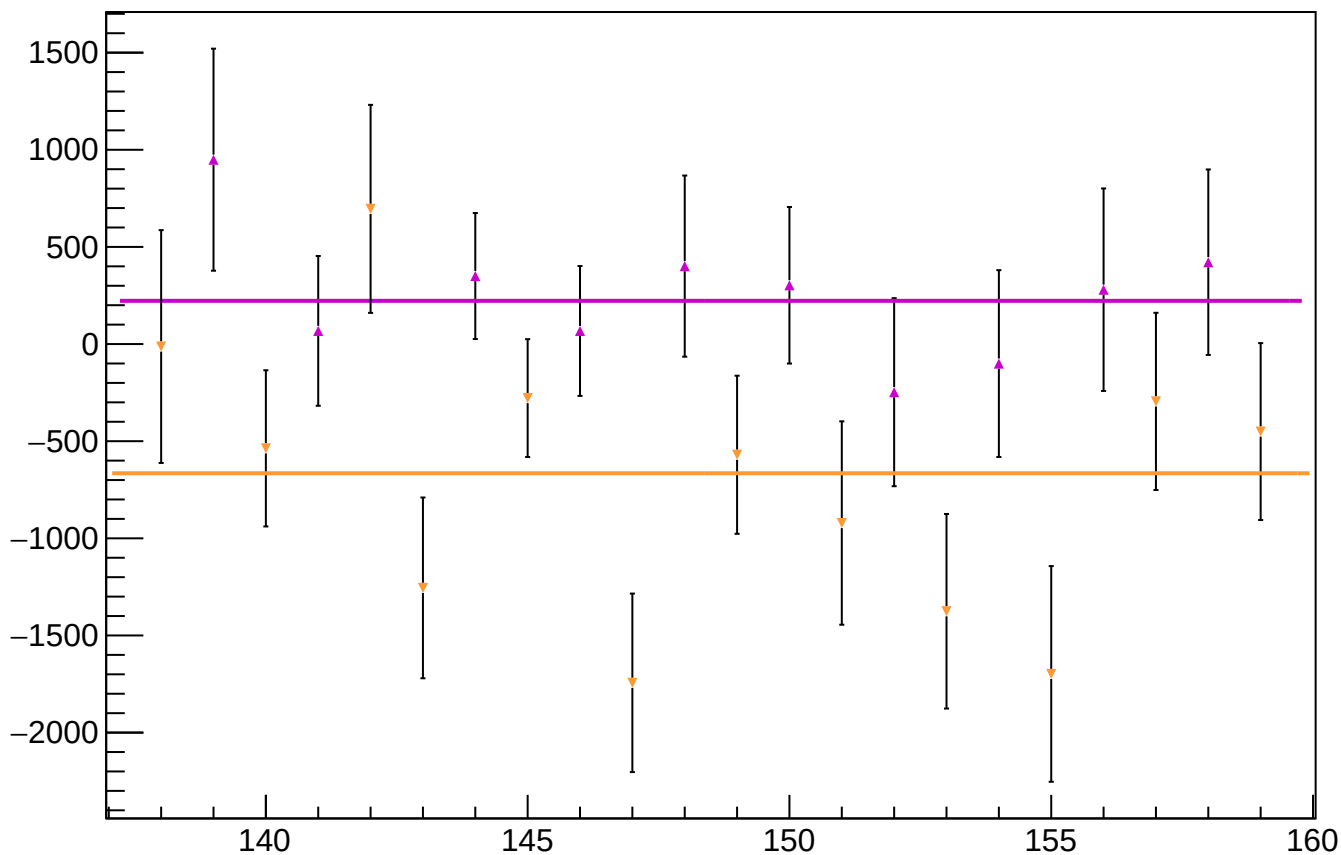
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 58.511+/-0.015 χ^2/NDF :150639.4/9

Out: 58.344+/-0.014 χ^2/NDF :256375.2/11

All: 58.425+/-0.010 χ^2/NDF : 407082.8/21

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -665.118+/-129.922 χ^2/NDF :23.1/11

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

Left In: 222.534+/-134.020 χ^2/NDF :3.9/9

Left: -235.072+/-93.284 χ^2/NDF : 49.7/21

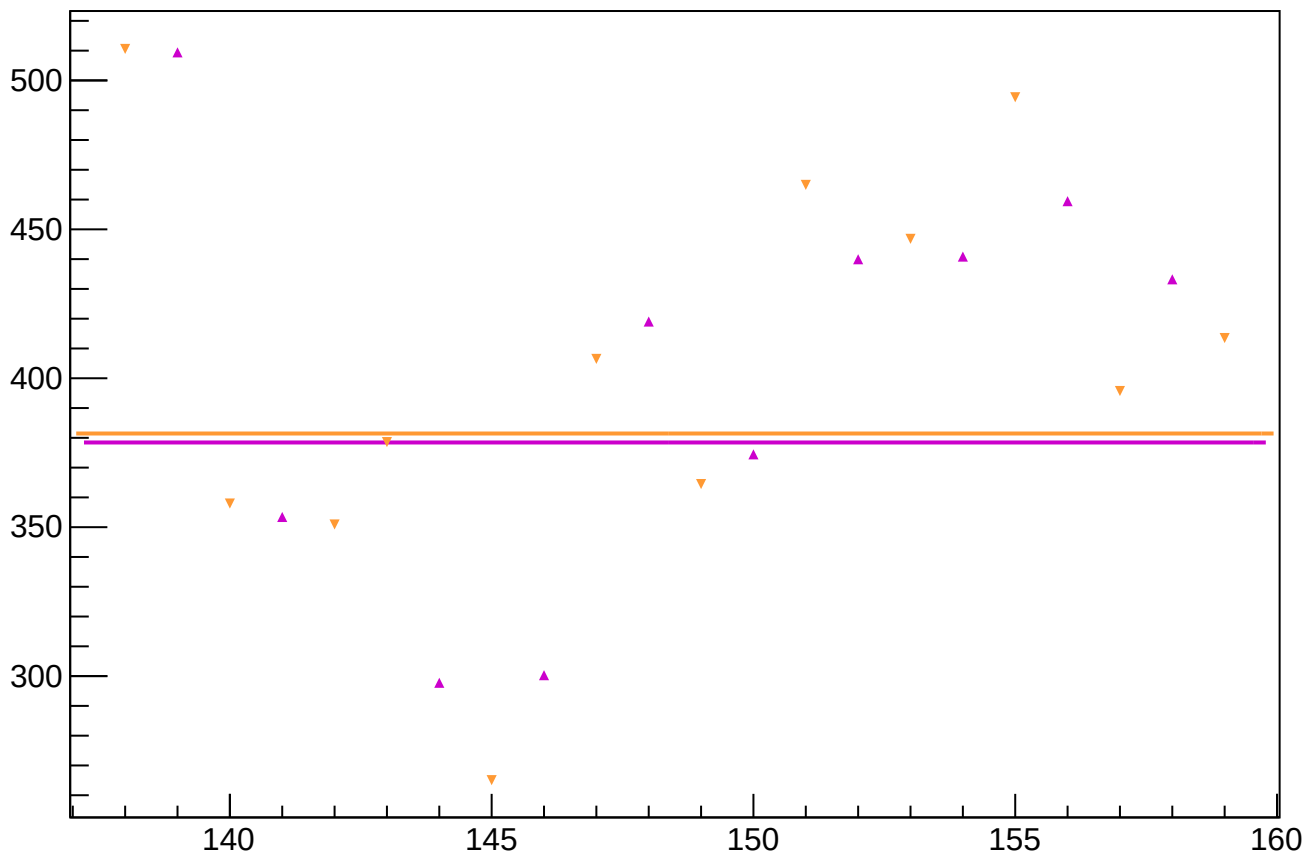
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 222.534+/-134.020 χ^2/NDF :3.9/9

Out: -665.118+/-129.922 χ^2/NDF :23.1/11

All: -235.072+/-93.284 χ^2/NDF : 49.7/21

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 381.454+/-0.092 χ^2/NDF : 589748.4/11

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

Left In: 378.439+/-0.095 χ^2/NDF : 502569.4/9

Left: 379.993+/-0.066 χ^2/NDF : 1092839.5/21

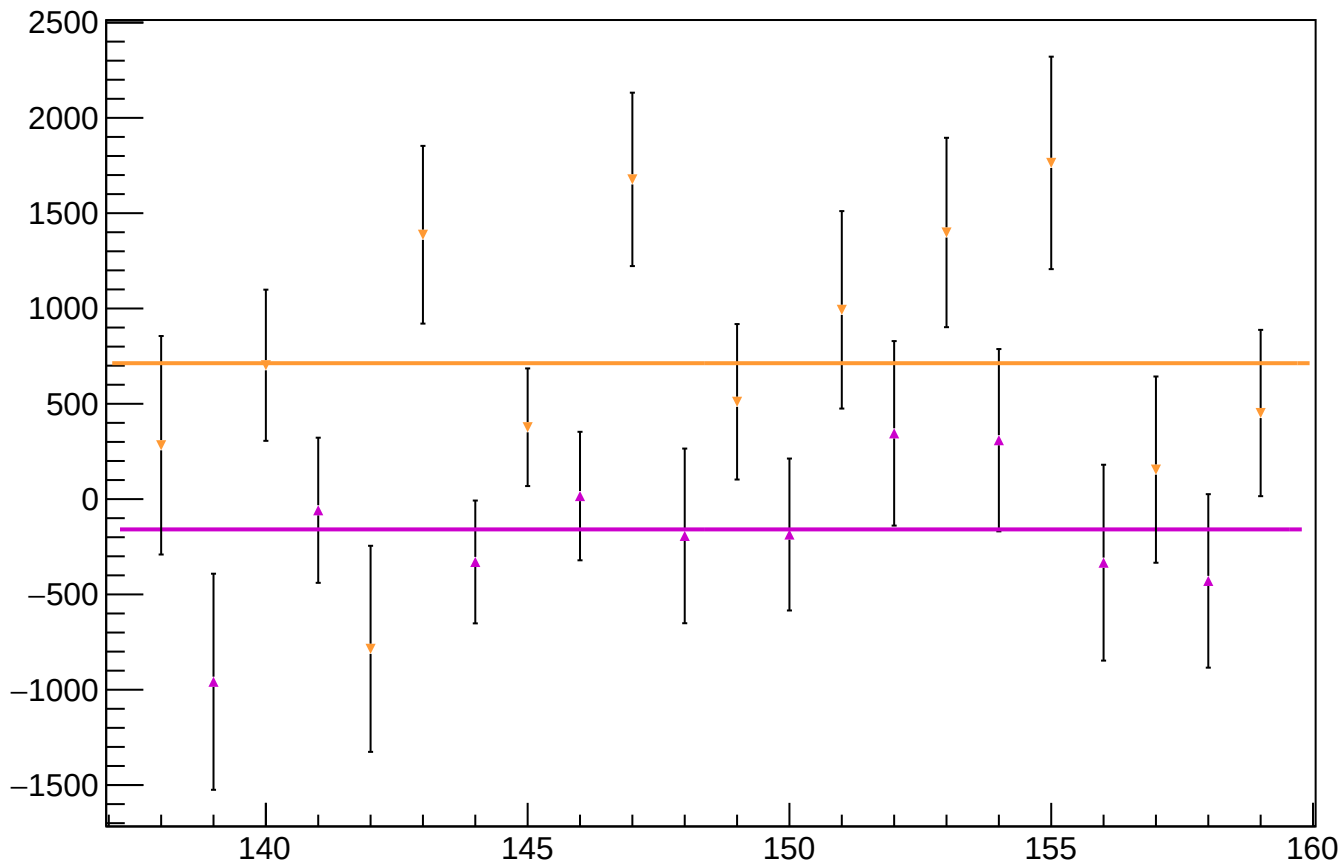
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 378.439+/-0.095 χ^2/NDF : 502569.4/9

Out: 381.454+/-0.092 χ^2/NDF : 589748.4/11

All: 379.993+/-0.066 χ^2/NDF : 1092839.5/21

asym_sam_1357_avg_mean vs Slug, Sign Corrected



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

Left Out: 713.006+/-129.945 χ^2/NDF :23.7/11

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

Left In: -158.921+/-132.718 χ^2/NDF :5.1/9

Left: 286.247+/-92.850 χ^2/NDF : 50.8/21

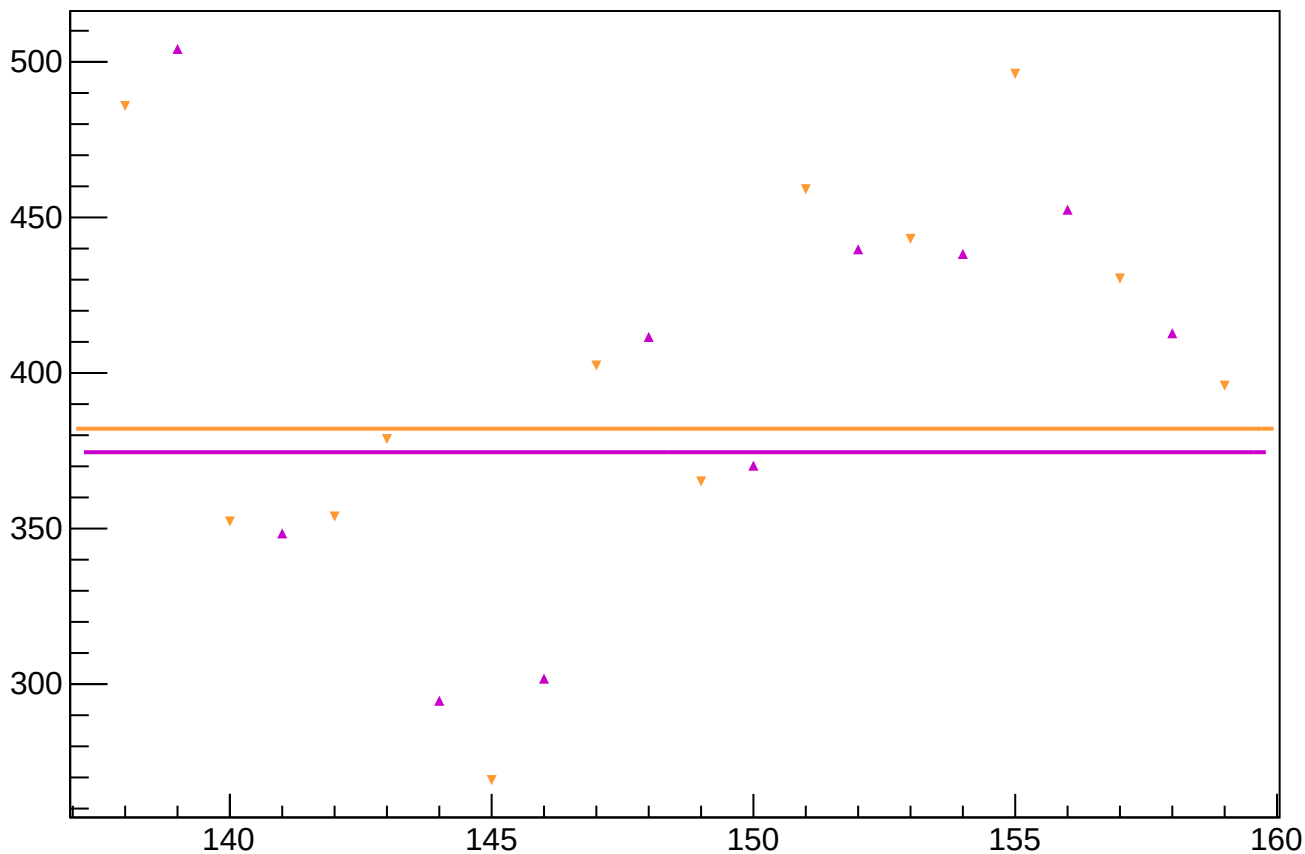
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -158.921+/-132.718 χ^2/NDF :5.1/9

Out: 713.006+/-129.945 χ^2/NDF :23.7/11

All: 286.247+/-92.850 χ^2/NDF : 50.8/21

asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left Out: 382.100+/-0.092 χ^2/NDF :537465.7/11

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

Left In: 374.540+/-0.094 χ^2/NDF :475582.6/9

Left: 378.400+/-0.066 χ^2/NDF : 1016361.8/21

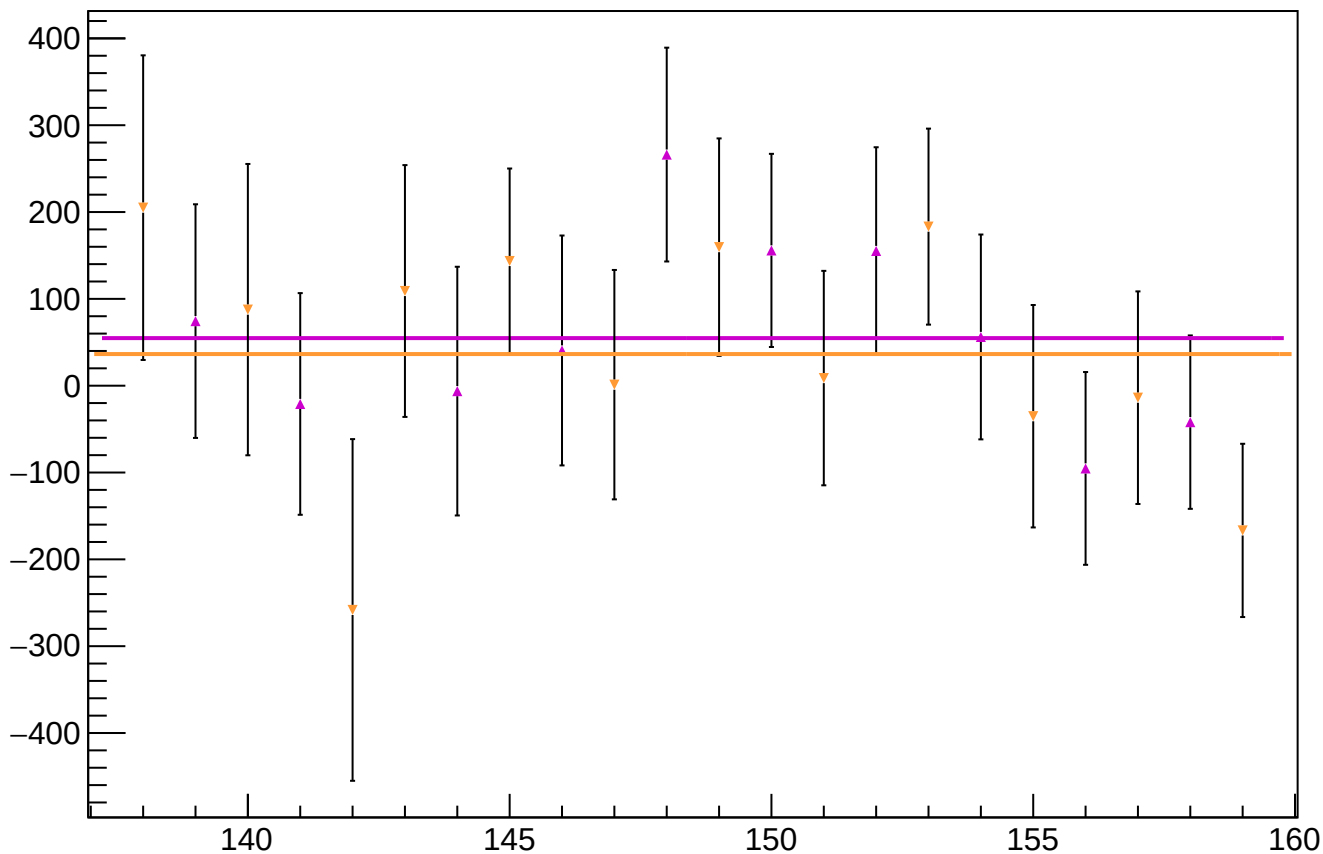
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 374.540+/-0.094 χ^2/NDF :475582.6/9

Out: 382.100+/-0.092 χ^2/NDF :537465.7/11

All: 378.400+/-0.066 χ^2/NDF : 1016361.8/21

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left Out: 36.431 $\pm$ 37.196 χ^2 /NDF:11.9/11

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

Left In: 54.804 $\pm$ 37.997 χ^2 /NDF:7.8/9

Left: 45.421 $\pm$ 26.580 χ^2 /NDF: 19.9/21

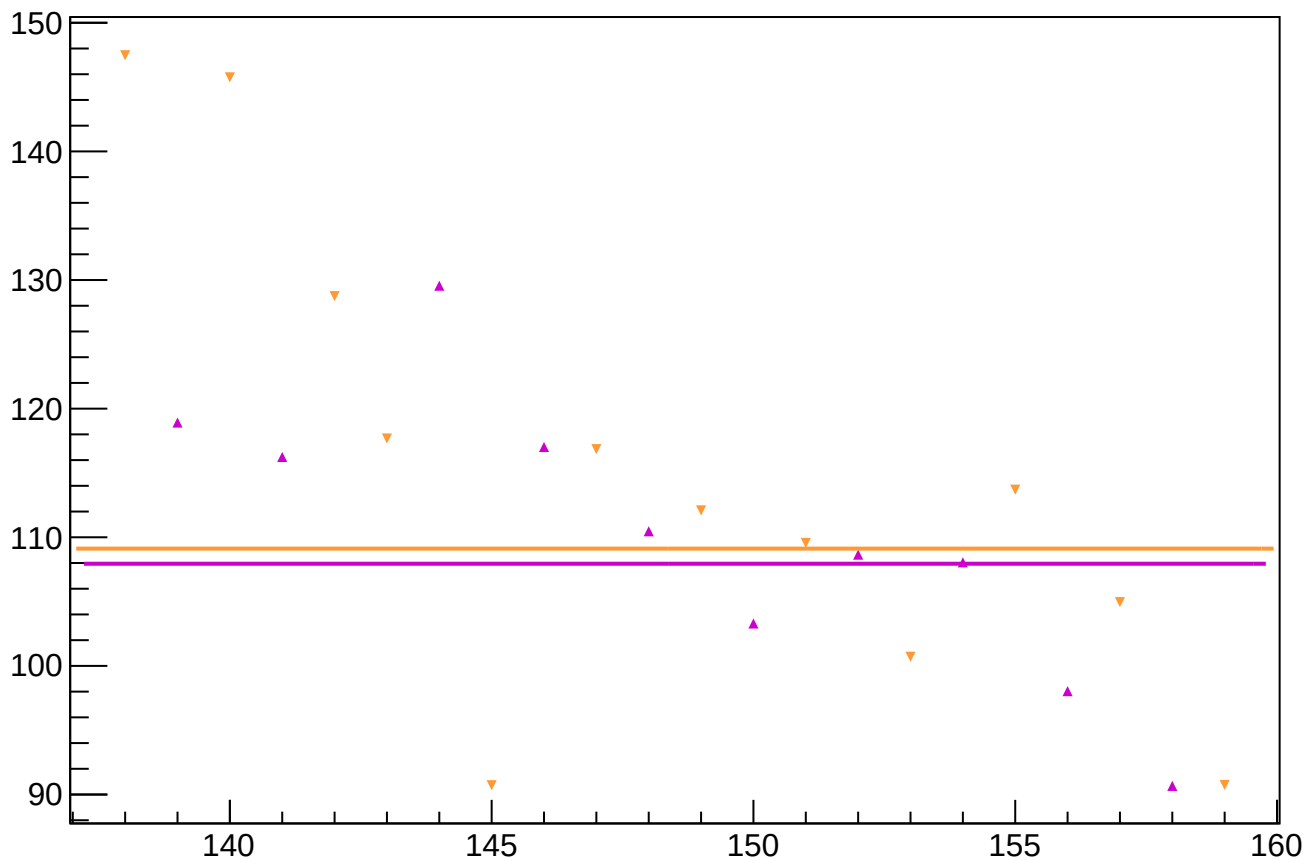
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 54.804 $\pm$ 37.997 χ^2 /NDF:7.8/9

Out: 36.431 $\pm$ 37.196 χ^2 /NDF:11.9/11

All: 45.421 $\pm$ 26.580 χ^2 /NDF: 19.9/21

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left Out: 109.118+/-0.026 χ^2/NDF :369315.7/11

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

Left In: 107.943+/-0.027 χ^2/NDF :156879.3/9

Left: 108.543+/-0.019 χ^2/NDF : 527171.5/21

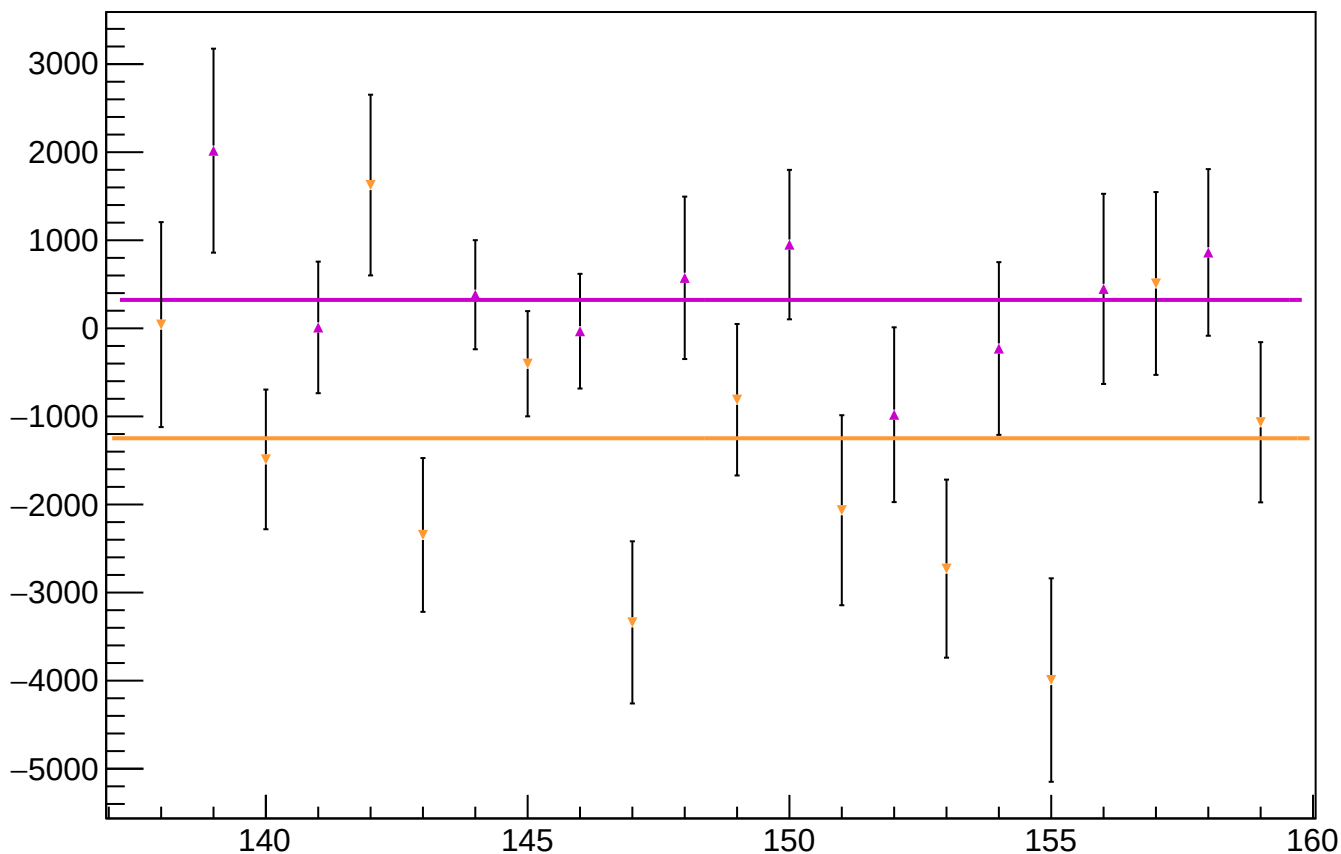
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 107.943+/-0.027 χ^2/NDF :156879.3/9

Out: 109.118+/-0.026 χ^2/NDF :369315.7/11

All: 108.543+/-0.019 χ^2/NDF : 527171.5/21

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1247.866+/-261.275 χ^2/NDF :29.4/11

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

Left In: 322.815+/-266.307 χ^2/NDF :5.6/9

Left: -477.505+/-186.503 χ^2/NDF : 52.8/21

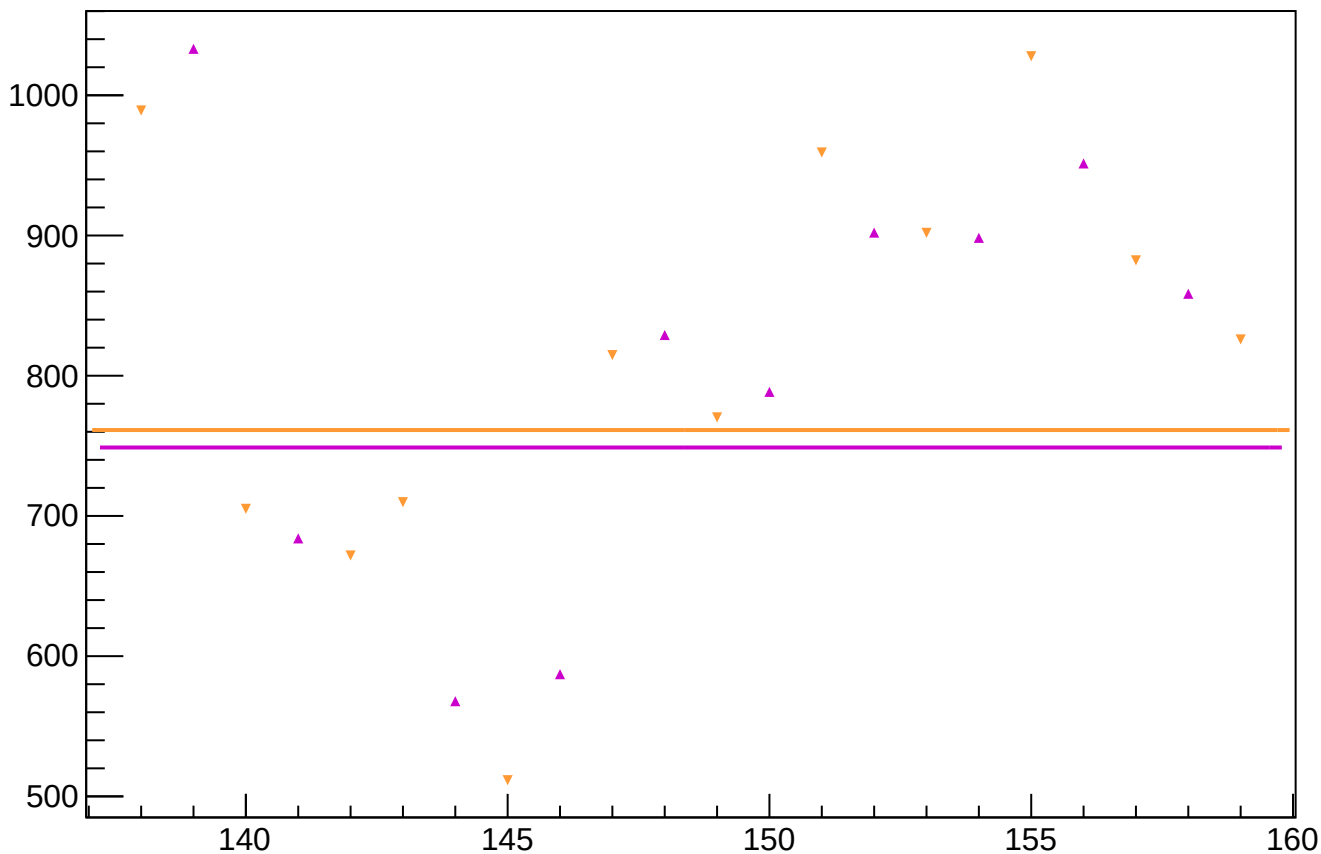
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 322.815+/-266.307 χ^2/NDF :5.6/9

Out: -1247.866+/-261.275 χ^2/NDF :29.4/11

All: -477.505+/-186.503 χ^2/NDF : 52.8/21

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 761.264+/-0.185 χ^2/NDF : 715161.2/11

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

Left In: 748.810+/-0.188 χ^2/NDF : 640592.2/9

Left: 755.156+/-0.132 χ^2/NDF : 1357981.9/21

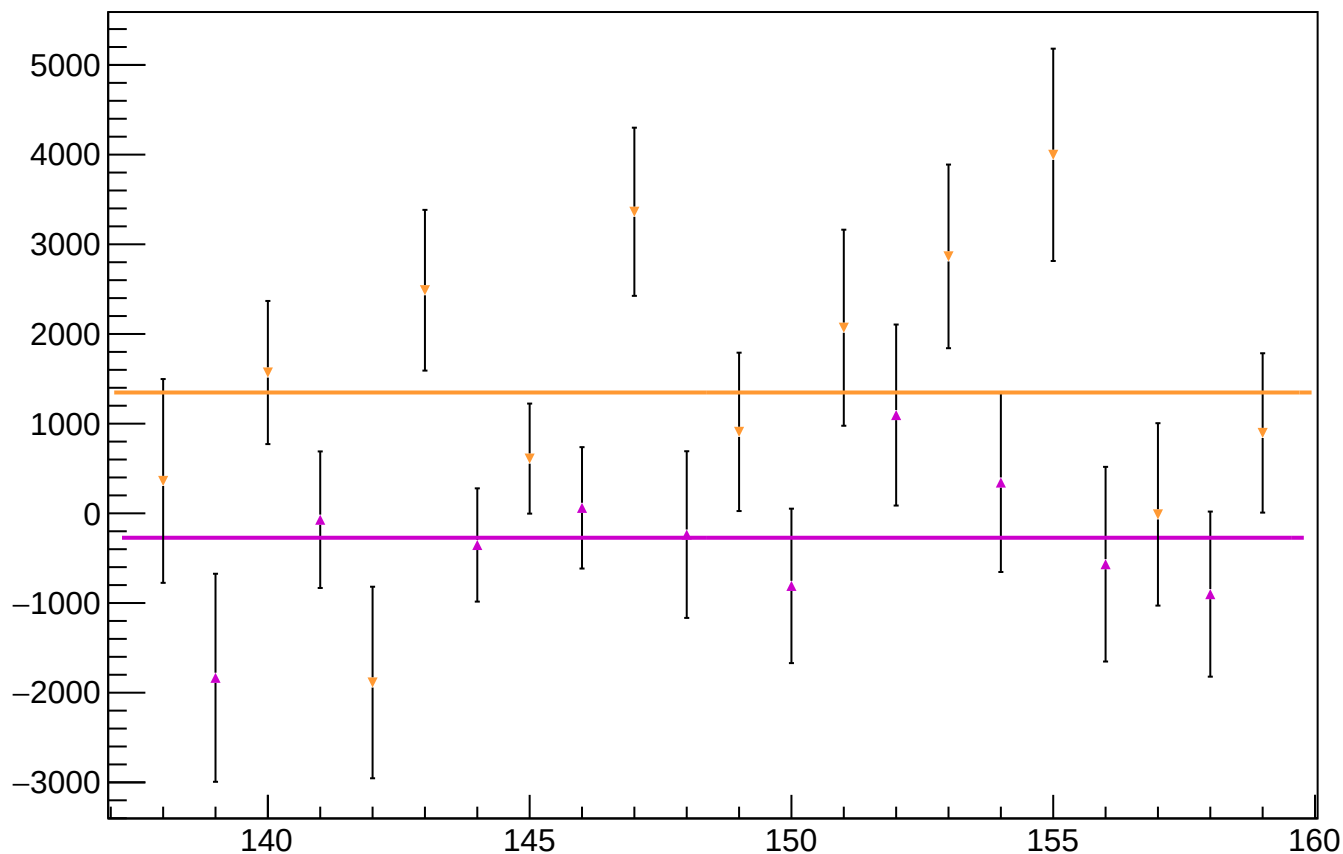
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 748.810+/-0.188 χ^2/NDF : 640592.2/9

Out: 761.264+/-0.185 χ^2/NDF : 715161.2/11

All: 755.156+/-0.132 χ^2/NDF : 1357981.9/21

asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left Out: 1347.477+/-264.618 χ^2/NDF :27.6/11

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

Left In: -272.305+/-270.370 χ^2/NDF :5.3/9

Left: 554.999+/-189.114 χ^2/NDF : 51.2/21

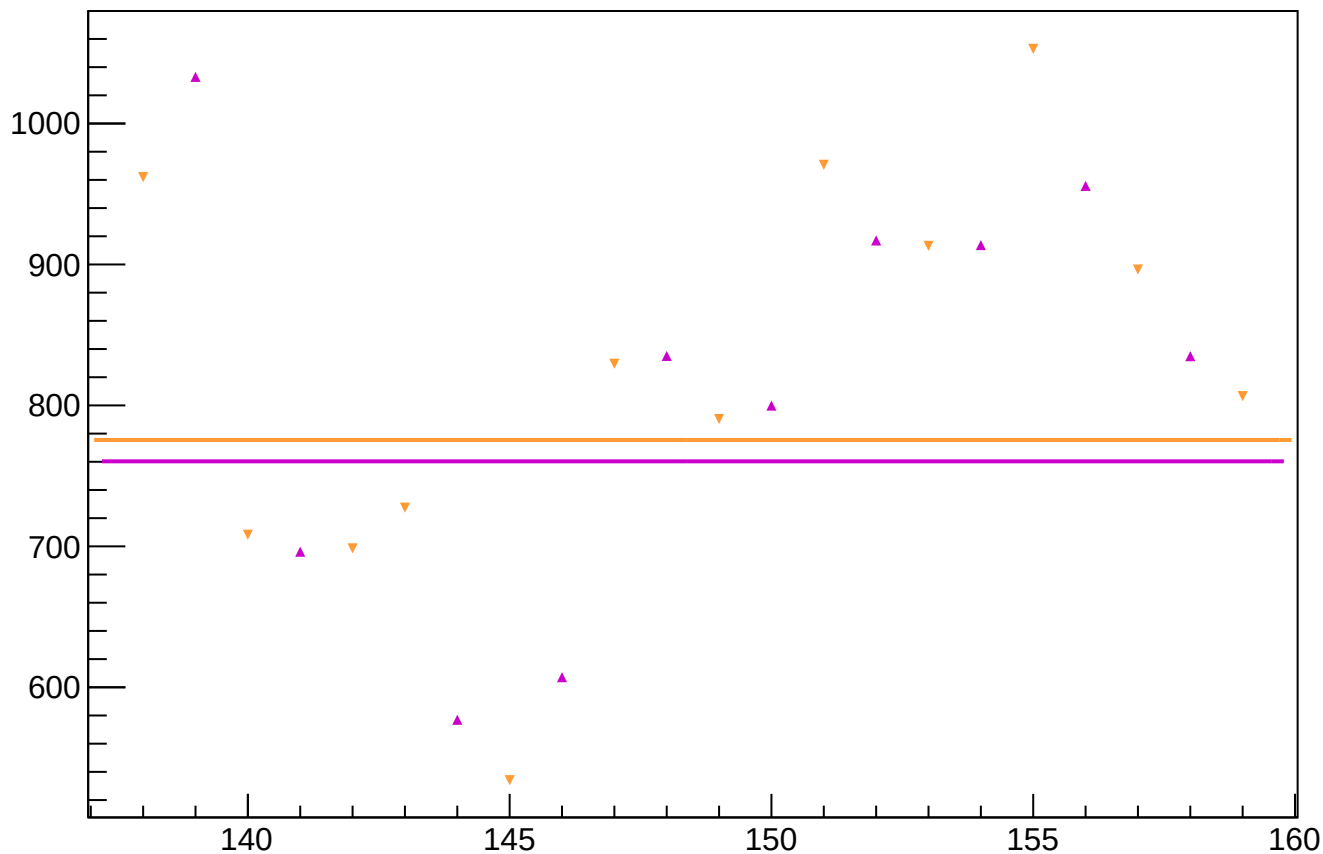
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -272.305+/-270.370 χ^2/NDF :5.3/9

Out: 1347.477+/-264.618 χ^2/NDF :27.6/11

All: 554.999+/-189.114 χ^2/NDF : 51.2/21

asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left Out: 775.497+/-0.187 χ^2/NDF :641555.3/11

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

Left In: 760.330+/-0.191 χ^2/NDF :586416.6/9

Left: 768.077+/-0.134 χ^2/NDF : 1231186.4/21

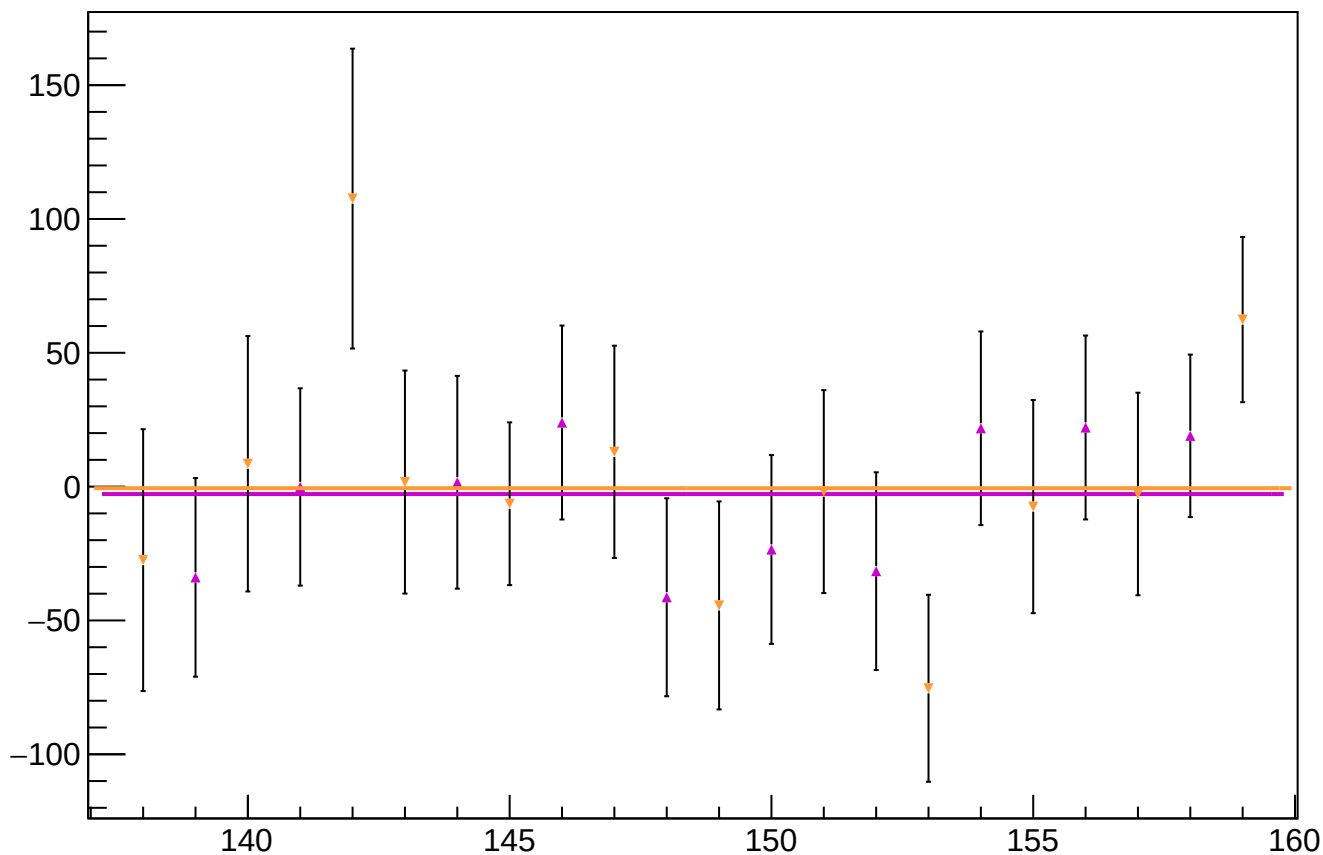
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 760.330+/-0.191 χ^2/NDF :586416.6/9

Out: 775.497+/-0.187 χ^2/NDF :641555.3/11

All: 768.077+/-0.134 χ^2/NDF : 1231186.4/21

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



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

Left Out: -0.579+/-11.163 χ^2/NDF :14.3/11

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

Left In: -2.774+/-11.307 χ^2/NDF :4.8/9

Left: -1.662+/-7.944 χ^2/NDF : 19.1/21

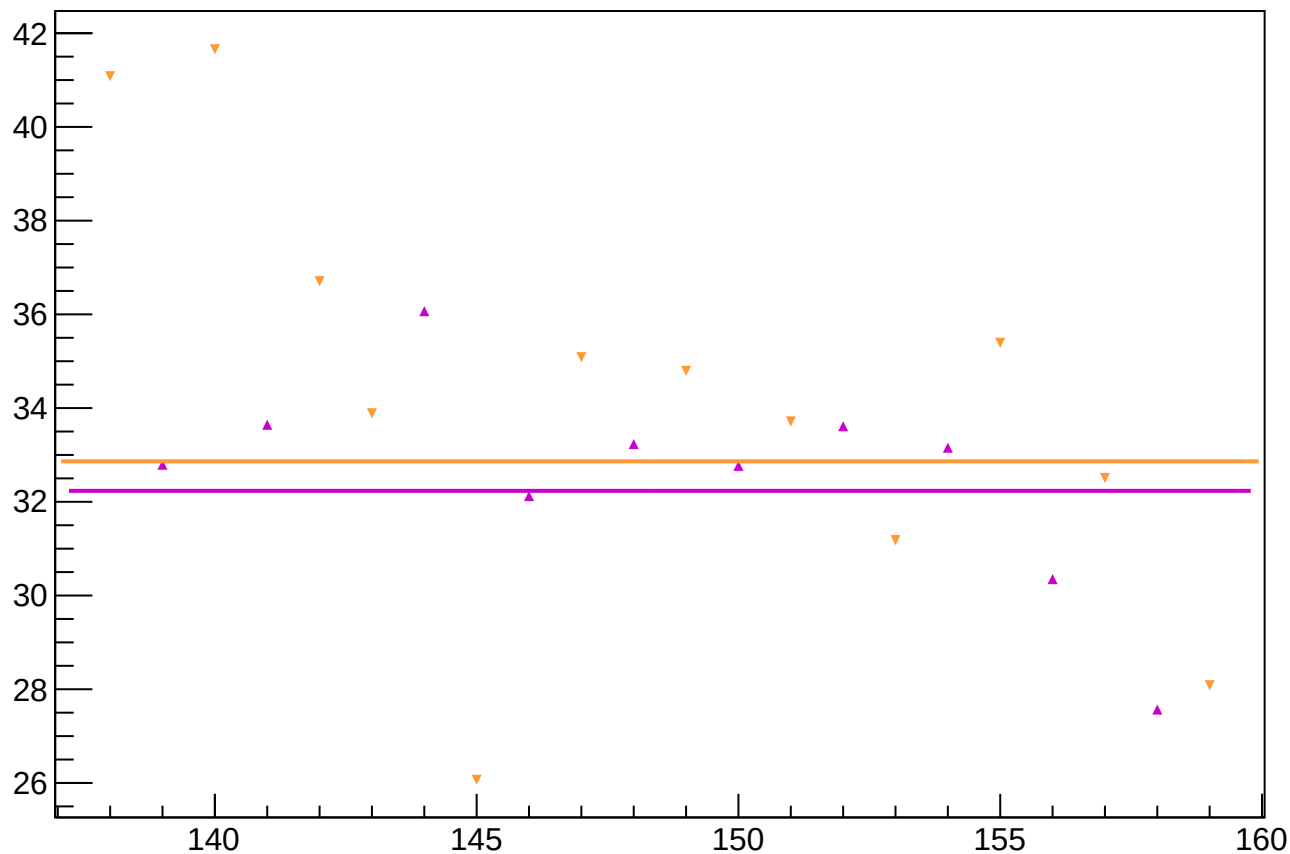
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.774+/-11.307 χ^2/NDF :4.8/9

Out: -0.579+/-11.163 χ^2/NDF :14.3/11

All: -1.662+/-7.944 χ^2/NDF : 19.1/21

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: 32.864+/-0.008 χ^2/NDF :307963.3/11

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

Left In: 32.234+/-0.008 χ^2/NDF :81287.6/9

Left: 32.553+/-0.006 χ^2/NDF : 392393.5/21

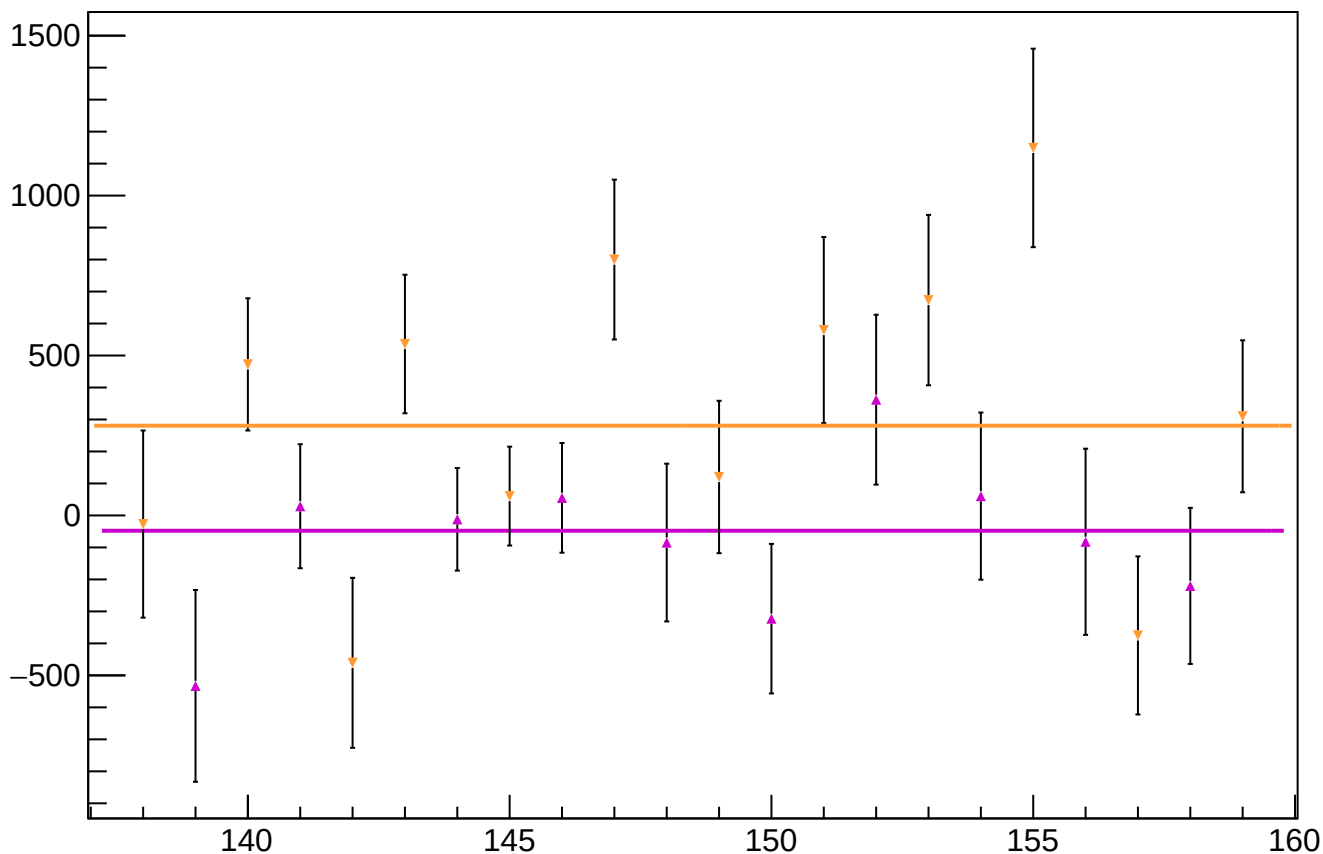
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 32.234+/-0.008 χ^2/NDF :81287.6/9

Out: 32.864+/-0.008 χ^2/NDF :307963.3/11

All: 32.553+/-0.006 χ^2/NDF : 392393.5/21

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: 280.561+/-67.969 χ^2/NDF :36.1/11

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

Left In: -47.895+/-70.219 χ^2/NDF :7.7/9

Left: 121.679+/-48.837 χ^2/NDF : 55.0/21

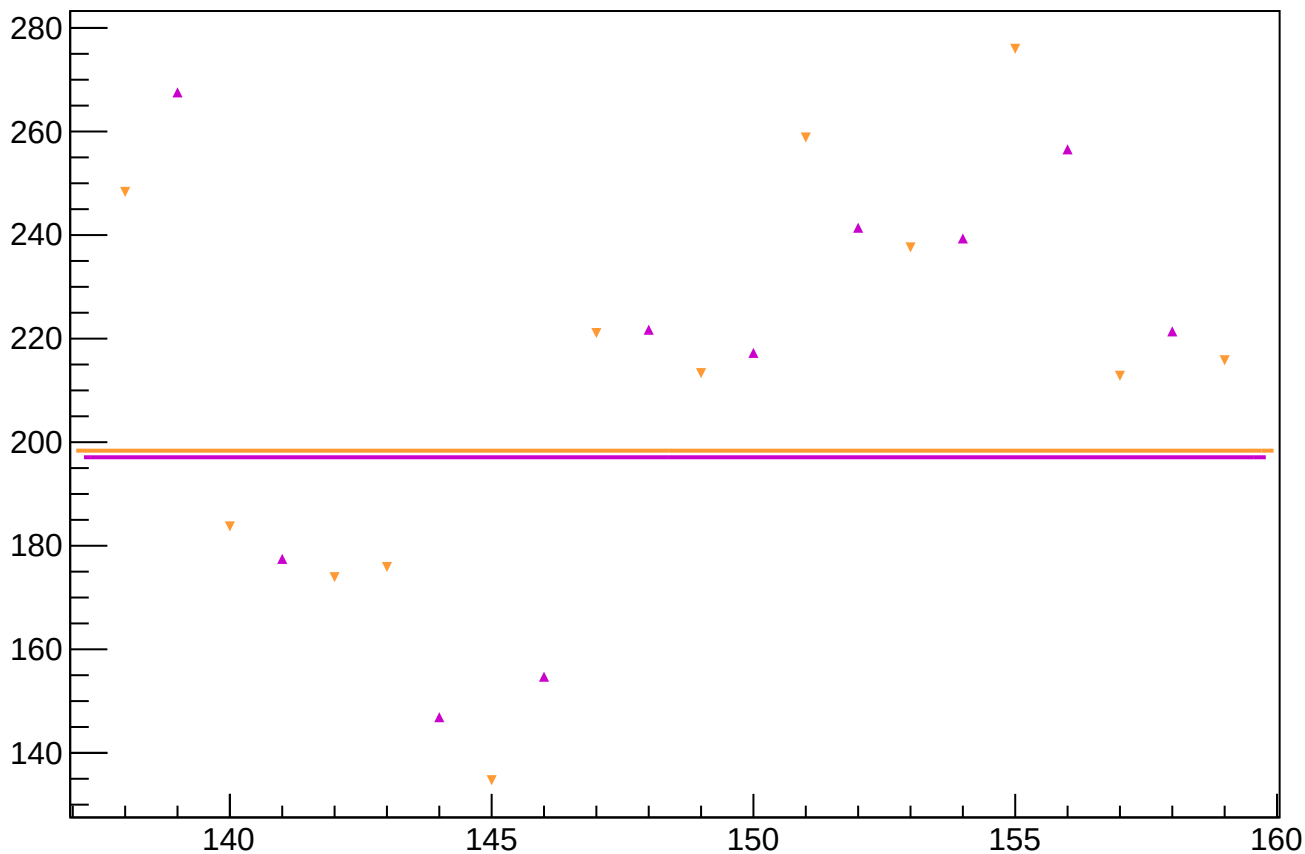
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -47.895+/-70.219 χ^2/NDF :7.7/9

Out: 280.561+/-67.969 χ^2/NDF :36.1/11

All: 121.679+/-48.837 χ^2/NDF : 55.0/21

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: 198.365+/-0.048 χ^2/NDF : 742945.0/11

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

Left In: 197.088+/-0.050 χ^2/NDF : 695429.4/9

Left: 197.747+/-0.035 χ^2/NDF : 1438715.8/21

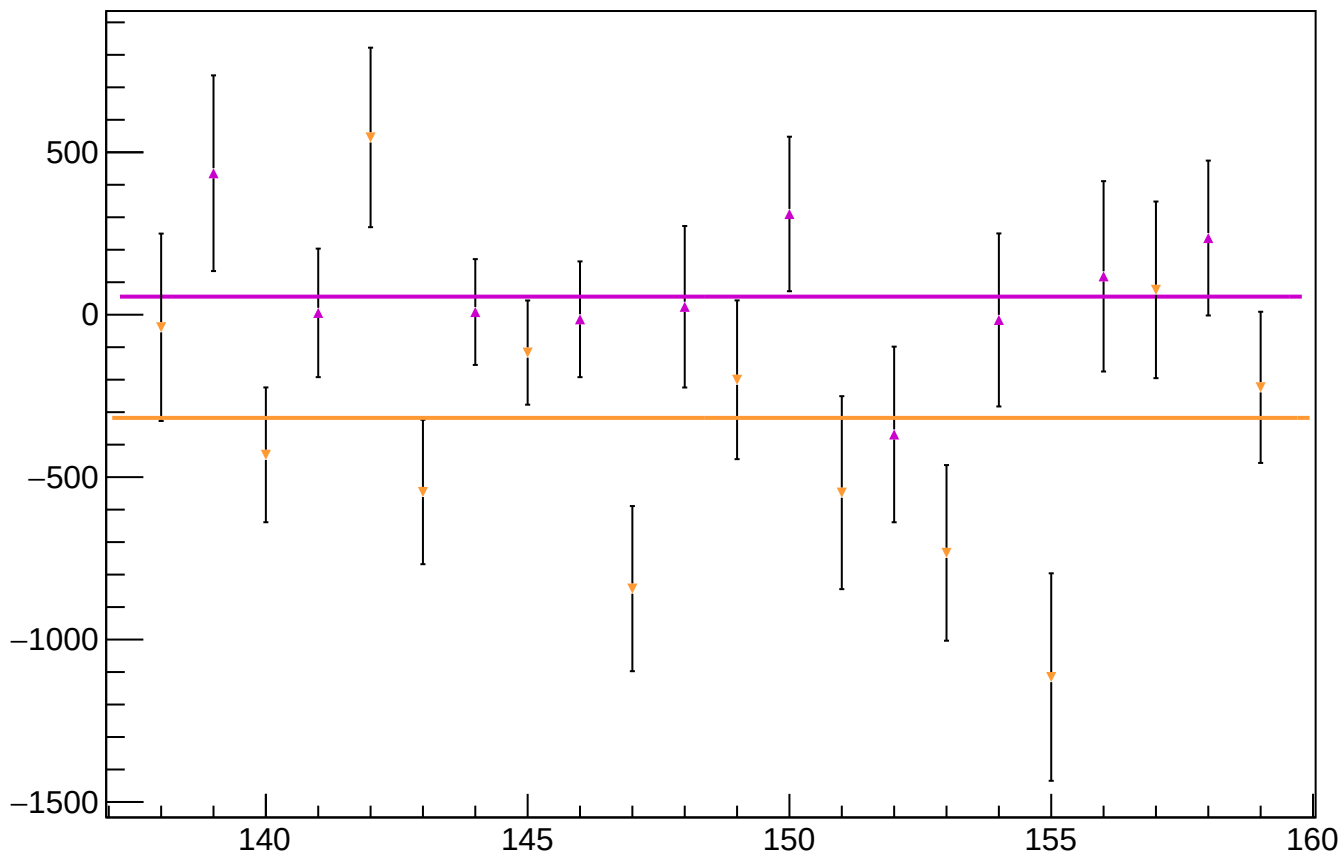
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 197.088+/-0.050 χ^2/NDF : 695429.4/9

Out: 198.365+/-0.048 χ^2/NDF : 742945.0/11

All: 197.747+/-0.035 χ^2/NDF : 1438715.8/21

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -317.607 ± 69.585 $\chi^2/\text{NDF}: 29.6/11$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: 55.675 ± 71.307 $\chi^2/\text{NDF}: 6.2/9$

Left: -135.529 ± 49.802 $\chi^2/\text{NDF}: 49.8/21$

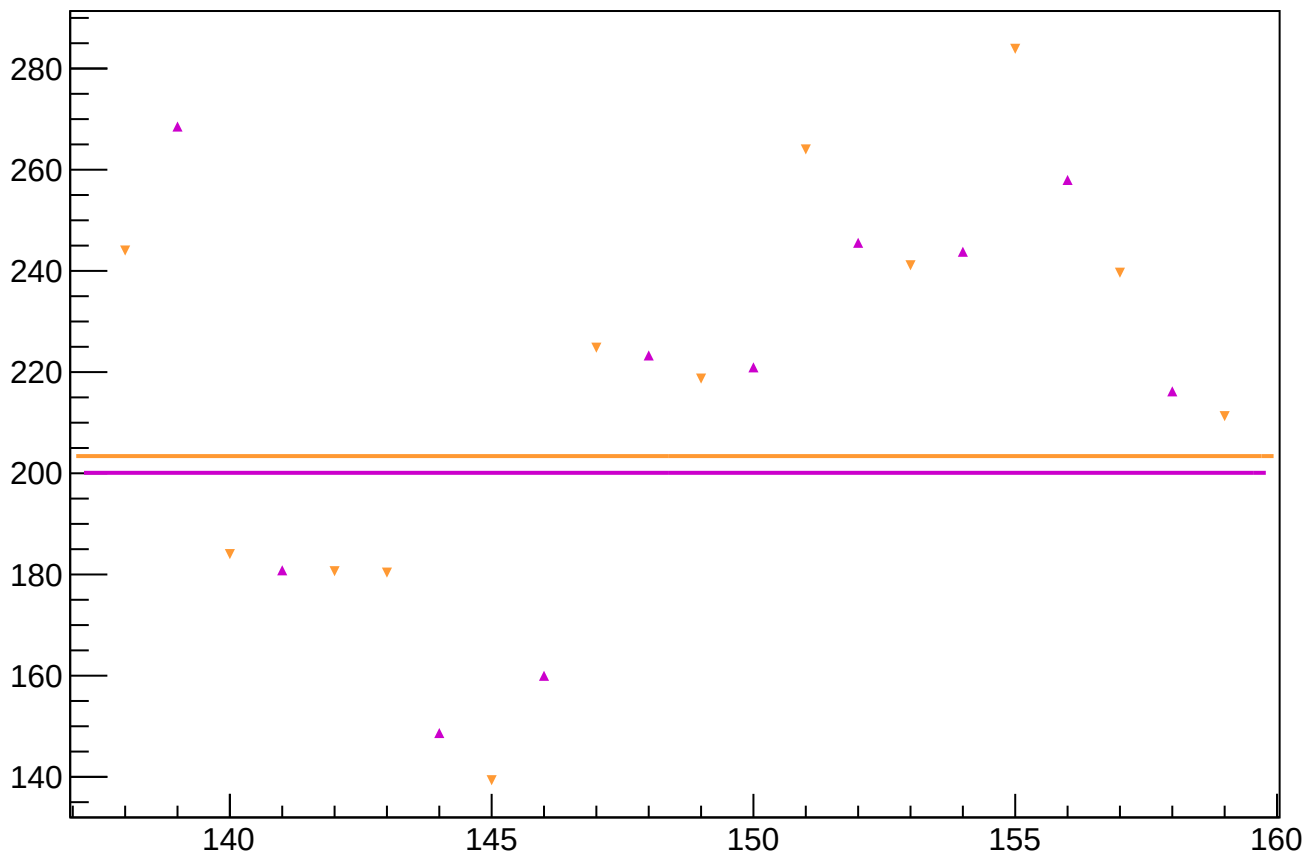
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: 55.675 ± 71.307 $\chi^2/\text{NDF}: 6.2/9$

Out: -317.607 ± 69.585 $\chi^2/\text{NDF}: 29.6/11$

All: -135.529 ± 49.802 $\chi^2/\text{NDF}: 49.8/21$

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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

Left Out: 203.399+/-0.049 χ^2/NDF : 720489.7/11

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

Left In: 200.093+/-0.050 χ^2/NDF : 653394.6/9

Left: 201.786+/-0.035 χ^2/NDF : 1376085.7/21

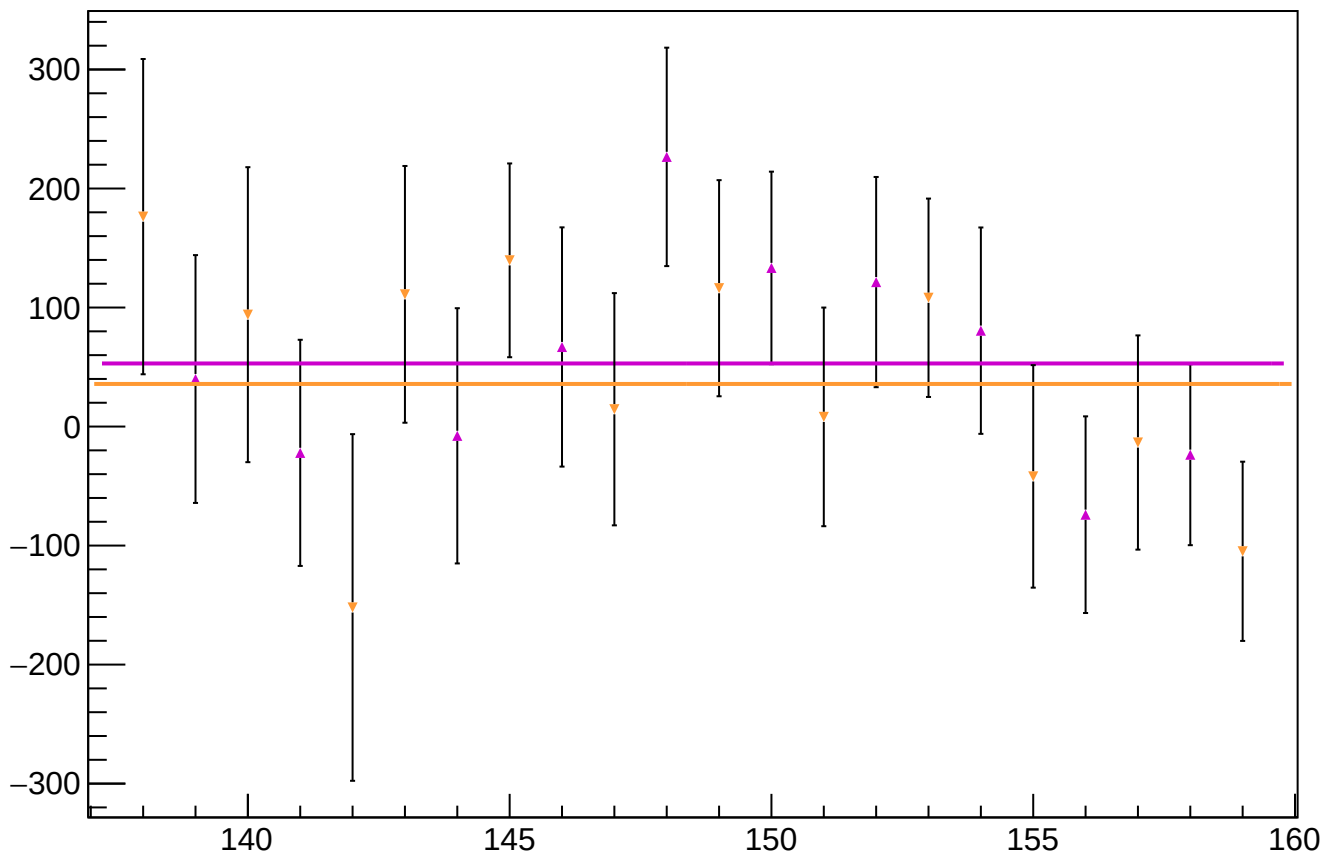
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 200.093+/-0.050 χ^2/NDF : 653394.6/9

Out: 203.399+/-0.049 χ^2/NDF : 720489.7/11

All: 201.786+/-0.035 χ^2/NDF : 1376085.7/21

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

Left Out: 35.793 $\pm$ 27.636 χ^2 /NDF:11.3/11

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

Left In: 53.009 $\pm$ 28.381 χ^2 /NDF:9.6/9

Left: 44.172 $\pm$ 19.800 χ^2 /NDF: 21.1/21

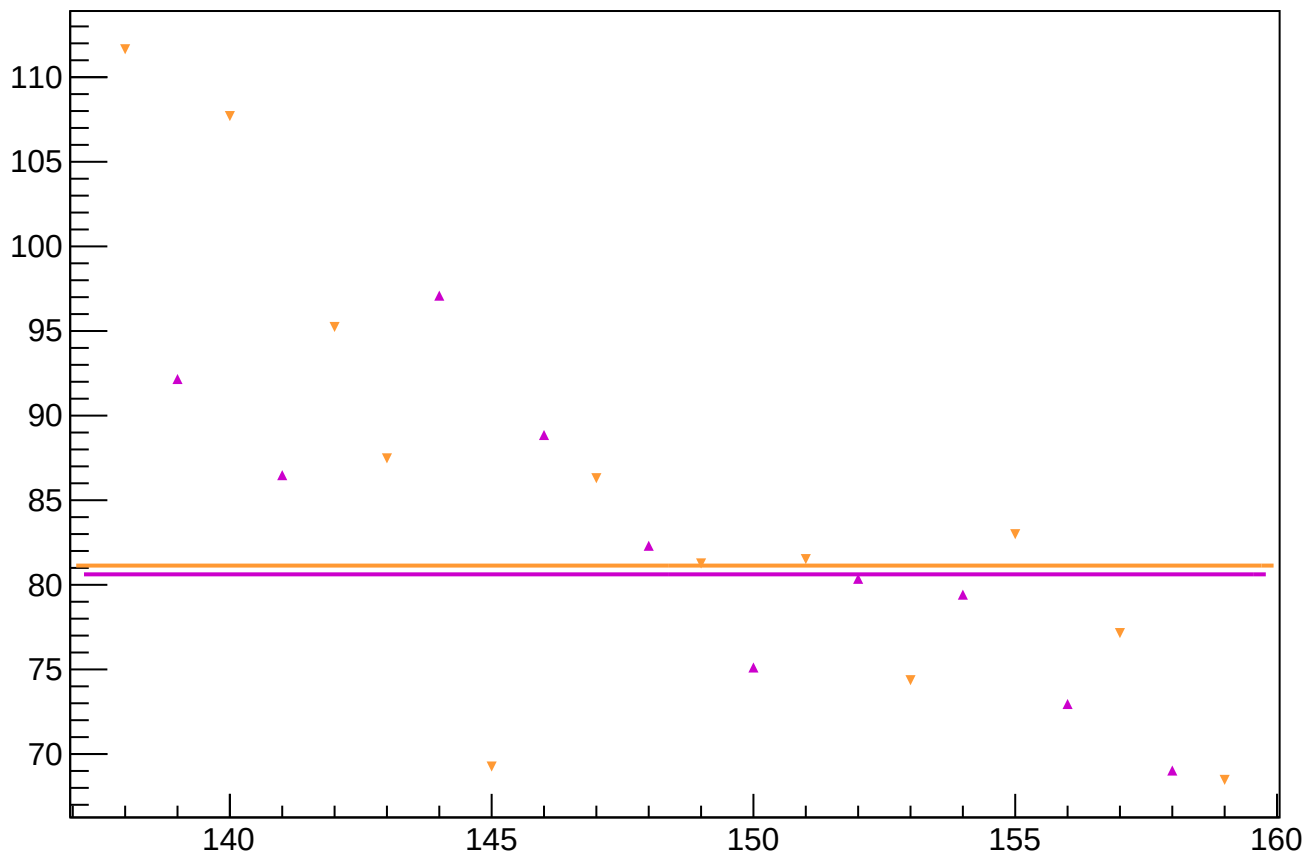
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 53.009 $\pm$ 28.381 χ^2 /NDF:9.6/9

Out: 35.793 $\pm$ 27.636 χ^2 /NDF:11.3/11

All: 44.172 $\pm$ 19.800 χ^2 /NDF: 21.1/21

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

Left Out: 81.137+/-0.020 χ^2/NDF :346435.3/11

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

Left In: 80.619+/-0.020 χ^2/NDF :166880.1/9

Left: 80.885+/-0.014 χ^2/NDF : 513657.4/21

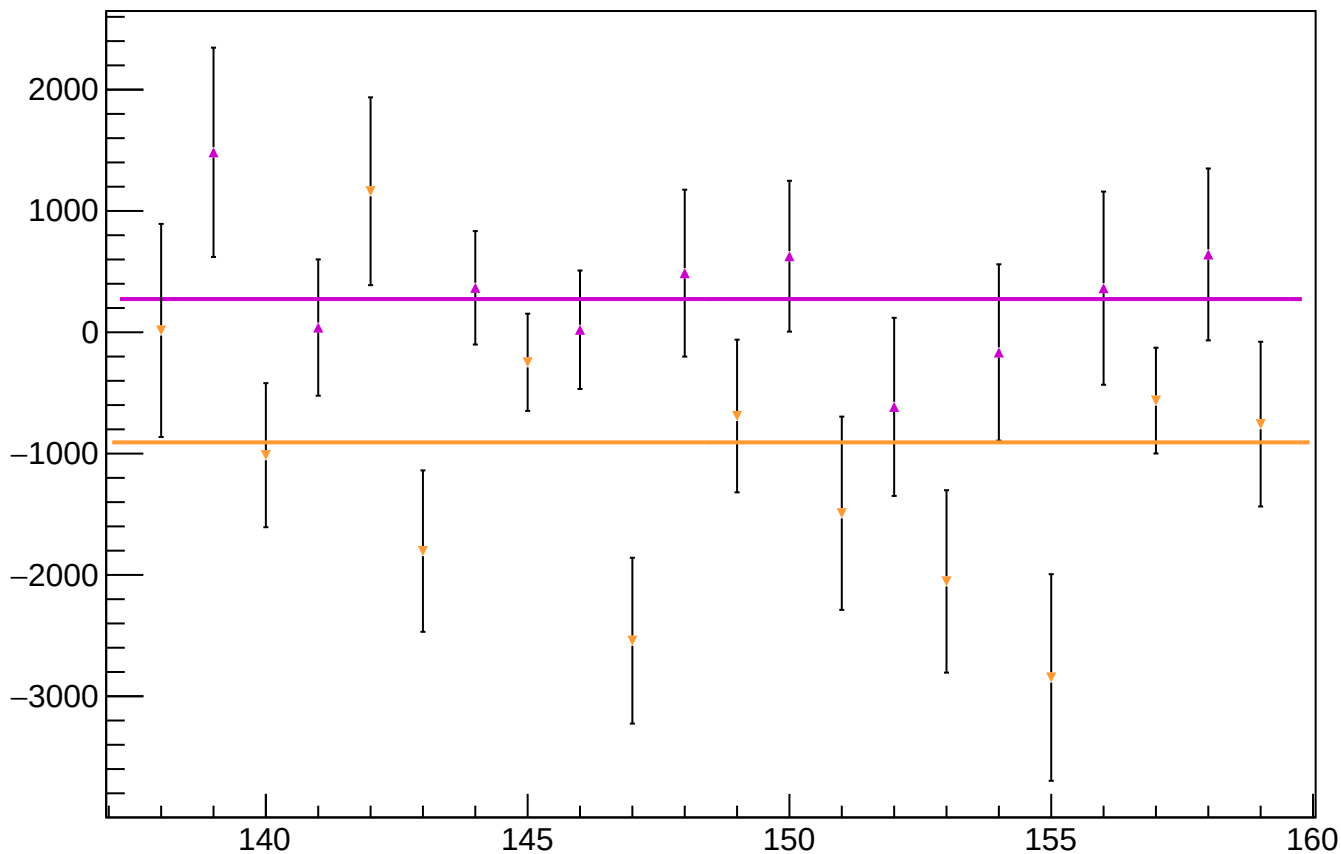
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 80.619+/-0.020 χ^2/NDF :166880.1/9

Out: 81.137+/-0.020 χ^2/NDF :346435.3/11

All: 80.885+/-0.014 χ^2/NDF : 513657.4/21

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -907.323+/-179.280 χ^2/NDF :27.4/11

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

Left In: 273.975+/-198.817 χ^2/NDF :5.0/9

Left: -377.551+/-133.143 χ^2/NDF : 51.8/21

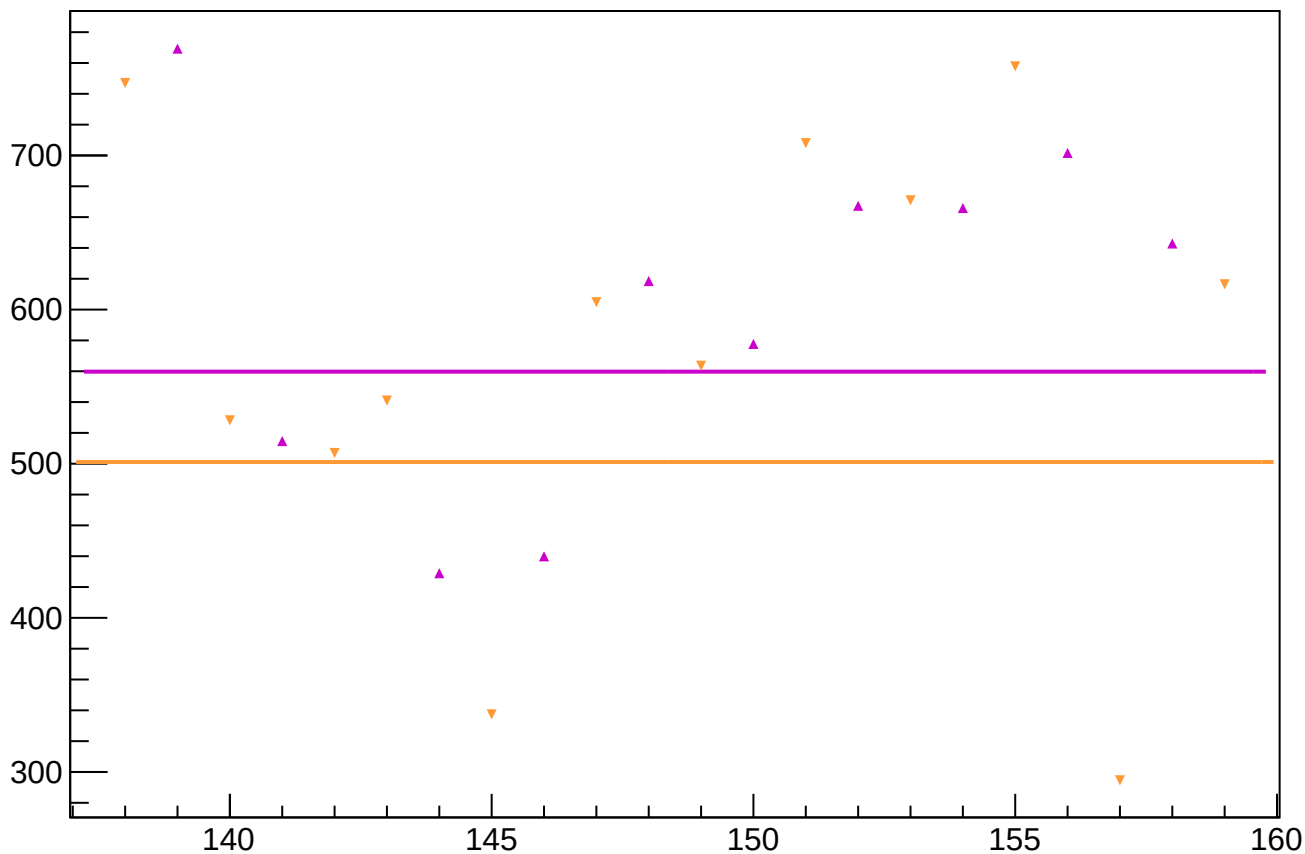
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 273.975+/-198.817 χ^2/NDF :5.0/9

Out: -907.323+/-179.280 χ^2/NDF :27.4/11

All: -377.551+/-133.143 χ^2/NDF : 51.8/21

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 501.096+/-0.127 χ^2/NDF :1493229.6/11

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

Left In: 559.737+/-0.141 χ^2/NDF :600762.5/9

Left: 527.394+/-0.094 χ^2/NDF : 2189953.9/21

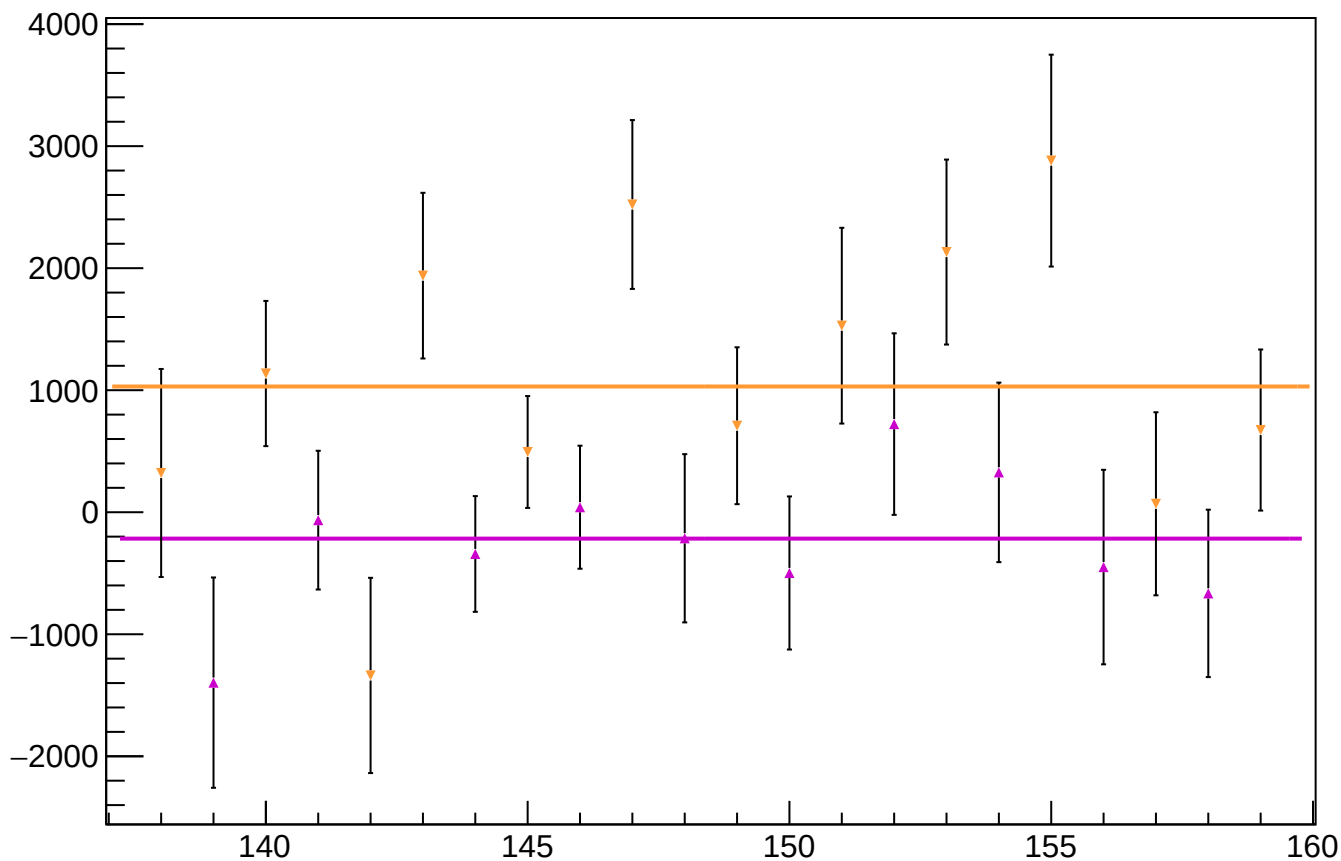
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 559.737+/-0.141 χ^2/NDF :600762.5/9

Out: 501.096+/-0.127 χ^2/NDF :1493229.6/11

All: 527.394+/-0.094 χ^2/NDF : 2189953.9/21

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

Left Out: 1030.450+/-196.514 χ^2/NDF :26.5/11

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

Left In: -216.217+/-200.712 χ^2/NDF :5.1/9

Left: 420.290+/-140.417 χ^2/NDF : 51.3/21

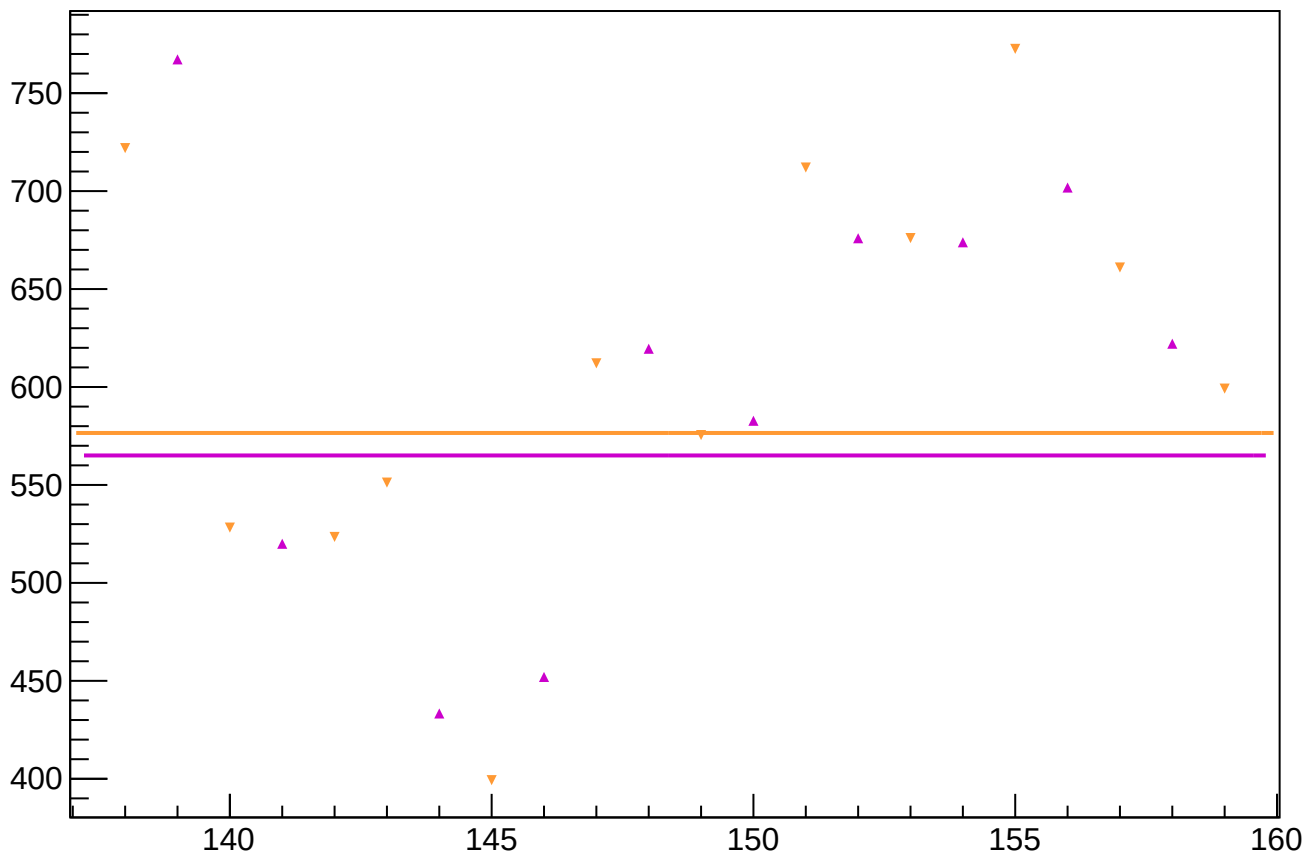
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -216.217+/-200.712 χ^2/NDF :5.1/9

Out: 1030.450+/-196.514 χ^2/NDF :26.5/11

All: 420.290+/-140.417 χ^2/NDF : 51.3/21

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

Left Out: 576.535+/-0.139 χ^2/NDF : 608427.7/11

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

Left In: 565.054+/-0.142 χ^2/NDF : 552572.5/9

Left: 570.916+/-0.099 χ^2/NDF : 1164341.4/21

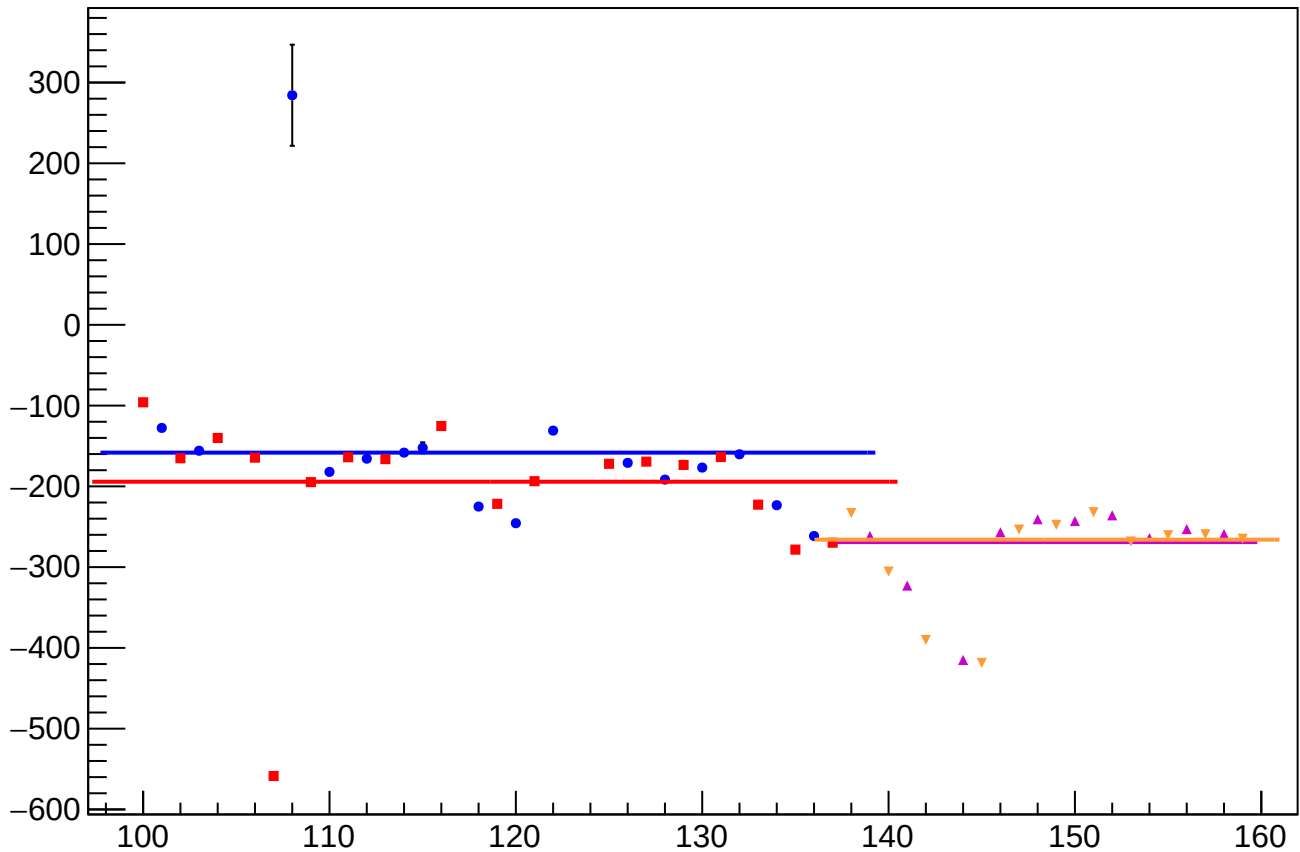
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 565.054+/-0.142 χ^2/NDF : 552572.5/9

Out: 576.535+/-0.139 χ^2/NDF : 608427.7/11

All: 570.916+/-0.099 χ^2/NDF : 1164341.4/21

dit_usl_4aX_slope vs Slug, Sign Corrected



Right In: -158.222+/-0.000 χ^2/NDF : 117166.2/15

Left Out: -265.996+/-0.177 χ^2/NDF : 25255.5/10

Right Out: -194.268+/-0.165 χ^2/NDF : 176560.4/17

Left In: -268.974+/-0.195 χ^2/NDF : 43098.2/9

Left: -267.348+/-0.131 χ^2/NDF : 68481.6/20

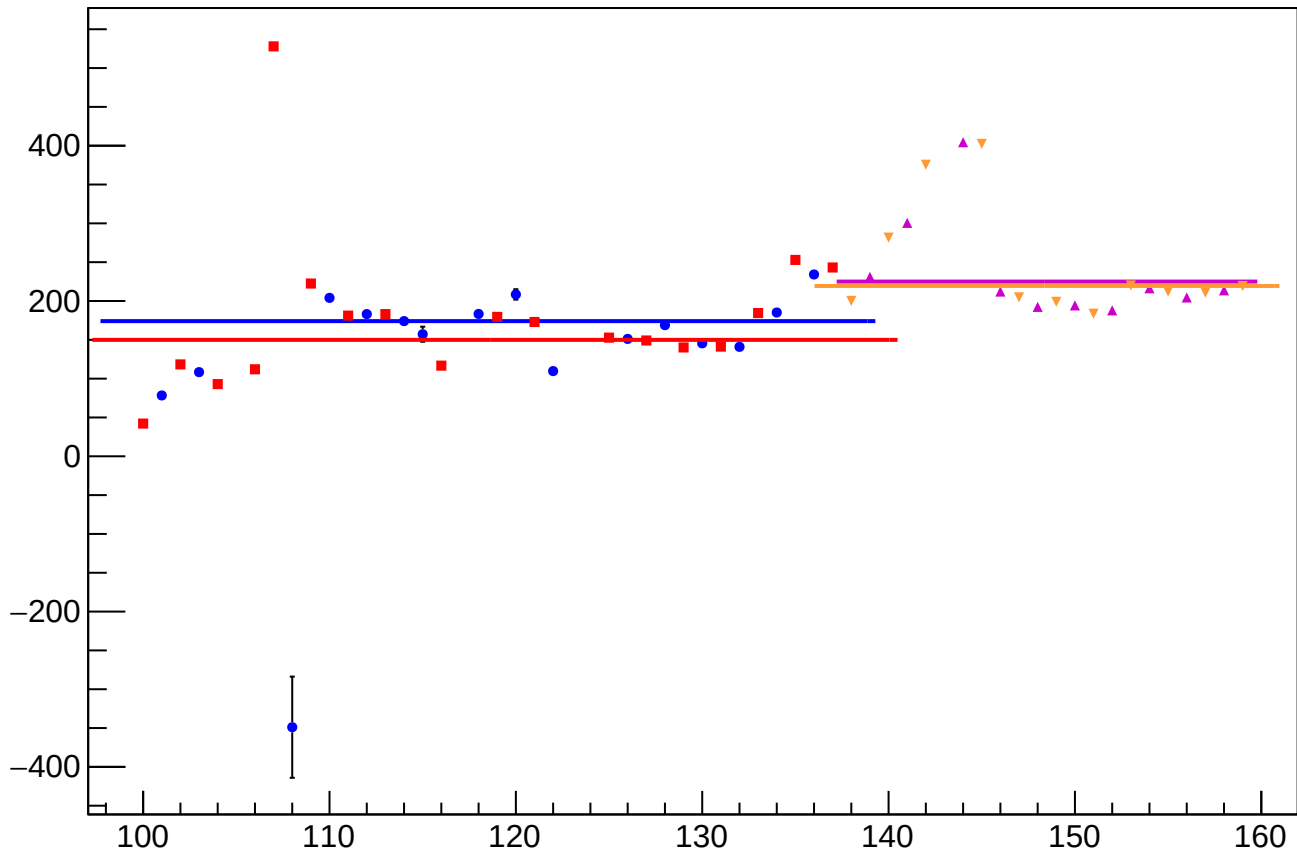
Right: -158.222+/-0.000 χ^2/NDF : 341369.6/33

In: -158.222+/-0.000 χ^2/NDF : 484432.2/25

Out: -227.566+/-0.121 χ^2/NDF : 289393.0/28

All: -158.222+/-0.000 χ^2/NDF : 1102923.3/54

dit_usl_4eX_slope vs Slug, Sign Corrected



Right In: 174.085 $\pm$ 0.000 χ^2 /NDF: 53377.4/15

Left Out: 219.373 $\pm$ 0.176 χ^2 /NDF:33227.2/10

Right Out: 149.948 $\pm$ 0.196 χ^2 /NDF: 167846.4/17

Left In: 225.018 $\pm$ 0.197 χ^2 /NDF:61048.6/9

Left: 221.883 $\pm$ 0.131 χ^2 /NDF: 94733.3/20

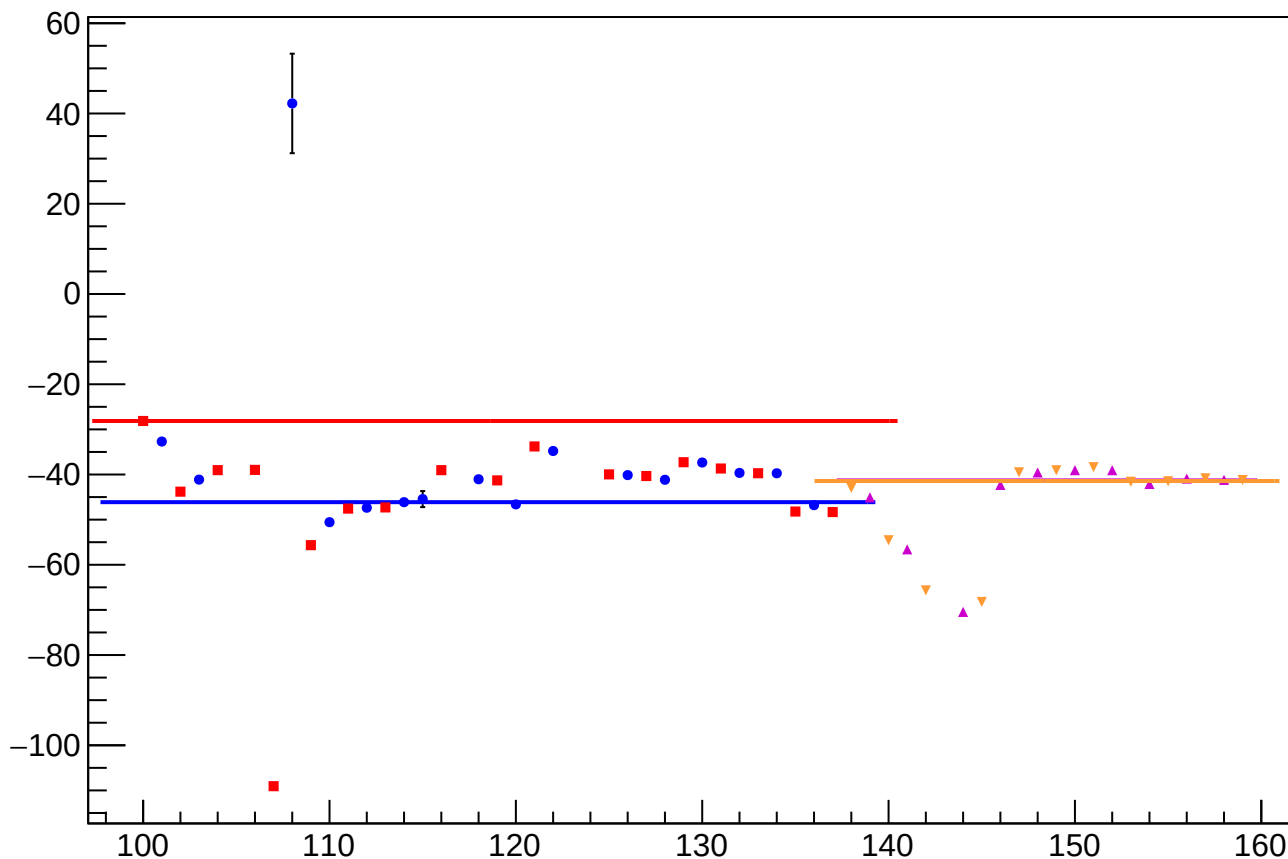
Right: 174.085 $\pm$ 0.000 χ^2 /NDF: 236460.5/33

In: 174.085 $\pm$ 0.000 χ^2 /NDF:181486.2/25

Out: 188.307 $\pm$ 0.131 χ^2 /NDF:270721.5/28

All: 174.085 $\pm$ 0.000 χ^2 /NDF: 464029.5/54

dit_usl_11X12X_slope vs Slug, Sign Corrected



Right In: -46.126+/-0.000 χ^2/NDF : 201273.7/15

Left Out: -41.439+/-0.009 χ^2/NDF : 84258.0/10

Right Out: -28.139+/-0.000 χ^2/NDF : 746939.9/17

Left In: -41.301+/-0.011 χ^2/NDF : 154747.8/9

Left: -41.385+/-0.007 χ^2/NDF : 239107.2/20

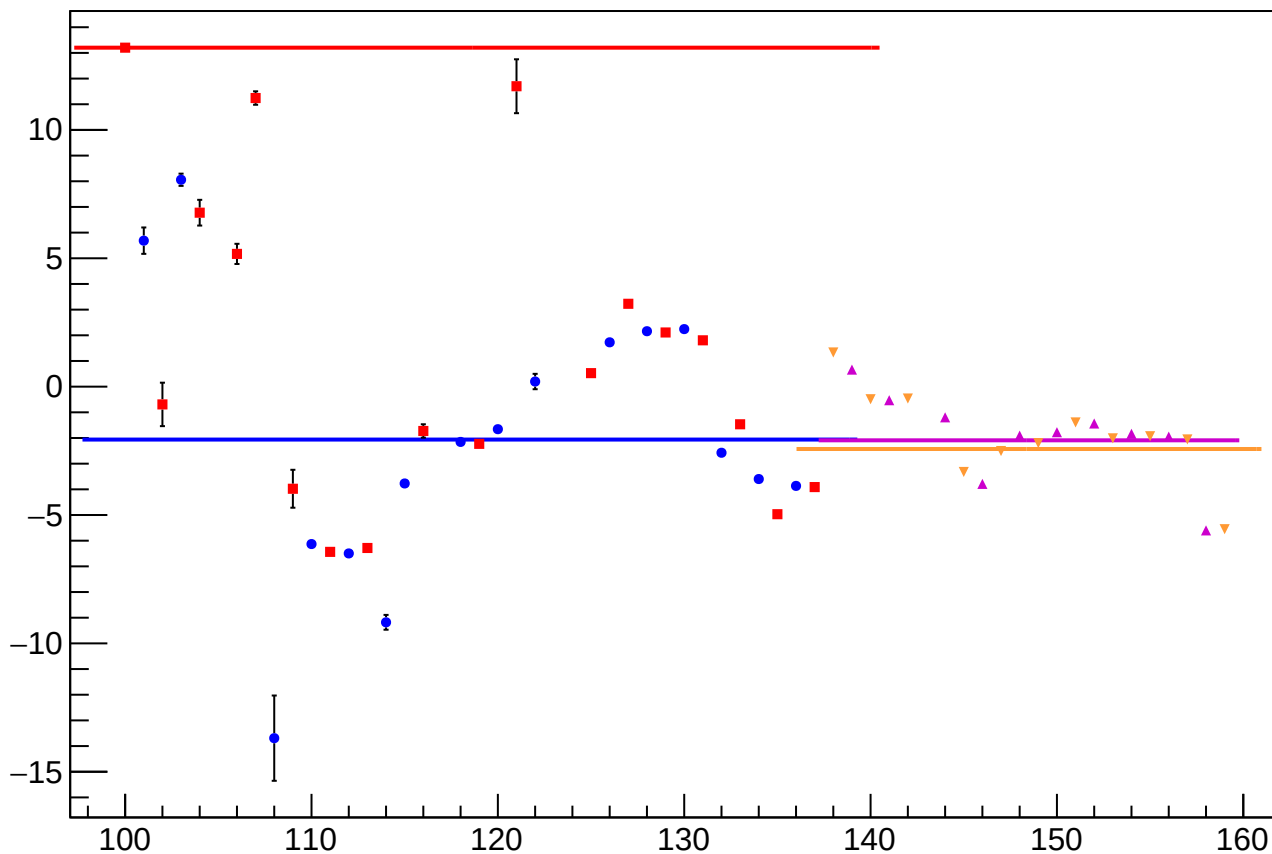
Right: -39.778+/-0.000 χ^2/NDF : 248795993231659

In: -46.126+/-0.000 χ^2/NDF : 559353.1/25

Out: -28.139+/-0.000 χ^2/NDF : 3232677.9/28

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: -2.428 ± 0.010 χ^2/NDF : 29900.1/10

Right Out: 13.204 ± 0.000 χ^2/NDF : 509721.0/17

Left In: -2.090 ± 0.008 χ^2/NDF : 33564.5/9

Left: -2.225 ± 0.006 χ^2/NDF : 64218.6/20

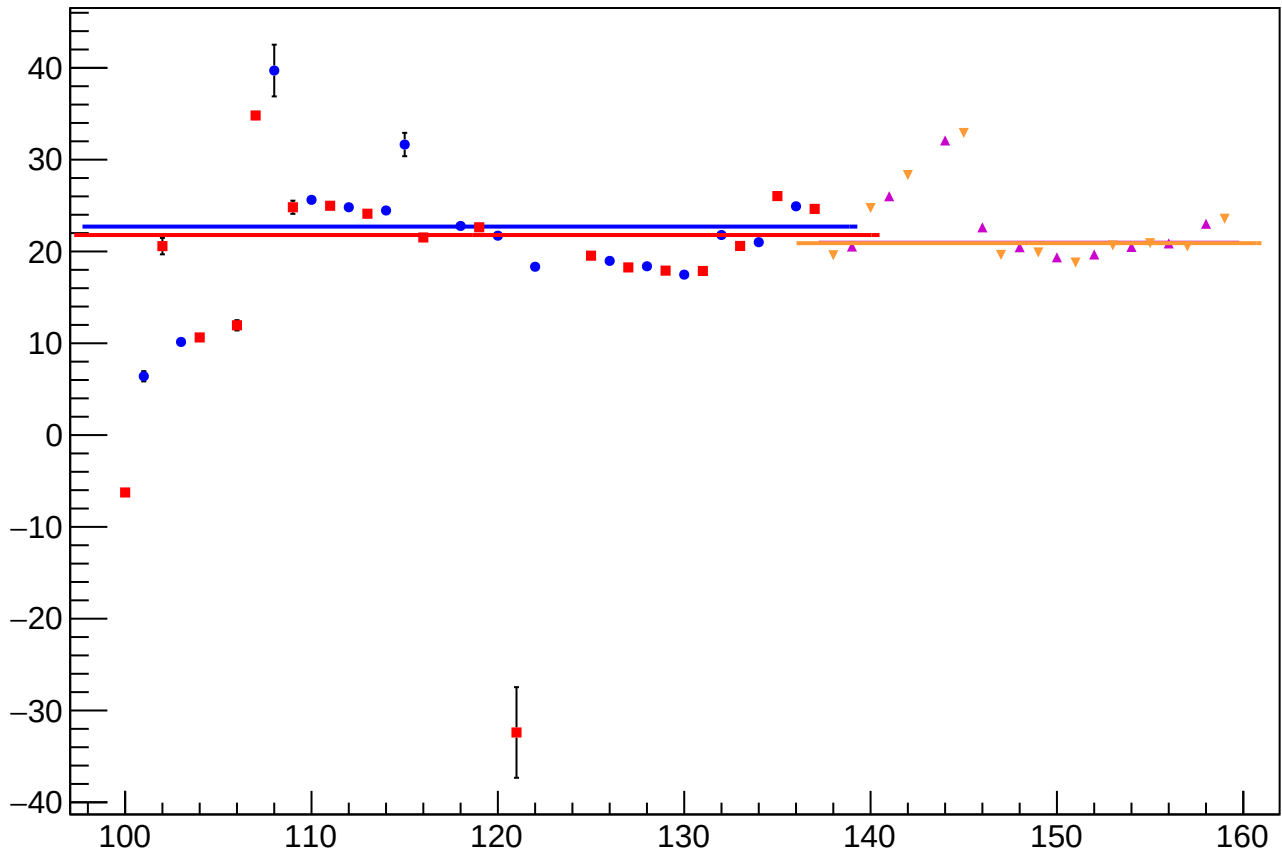
Right: 13.204 ± 0.000 χ^2/NDF : 1268800.5/33

In: -2.086 ± 0.007 χ^2/NDF : 59231.9/25

Out: 13.204 ± 0.000 χ^2/NDF : 3227290.3/28

All: 13.204 ± 0.000 χ^2/NDF : 7885889.4/54

dit_usl_4eY_slope vs Slug, Sign Corrected



Right In: 22.711 ± 0.019 χ^2/NDF : 22767.9/15

Left Out: 20.906 ± 0.011 χ^2/NDF : 21853.2/10

Right Out: 21.790 ± 0.022 χ^2/NDF : 26670.9/17

Left In: 20.953 ± 0.010 χ^2/NDF : 36827.0/9

Left: 20.934 ± 0.007 χ^2/NDF : 58690.3/20

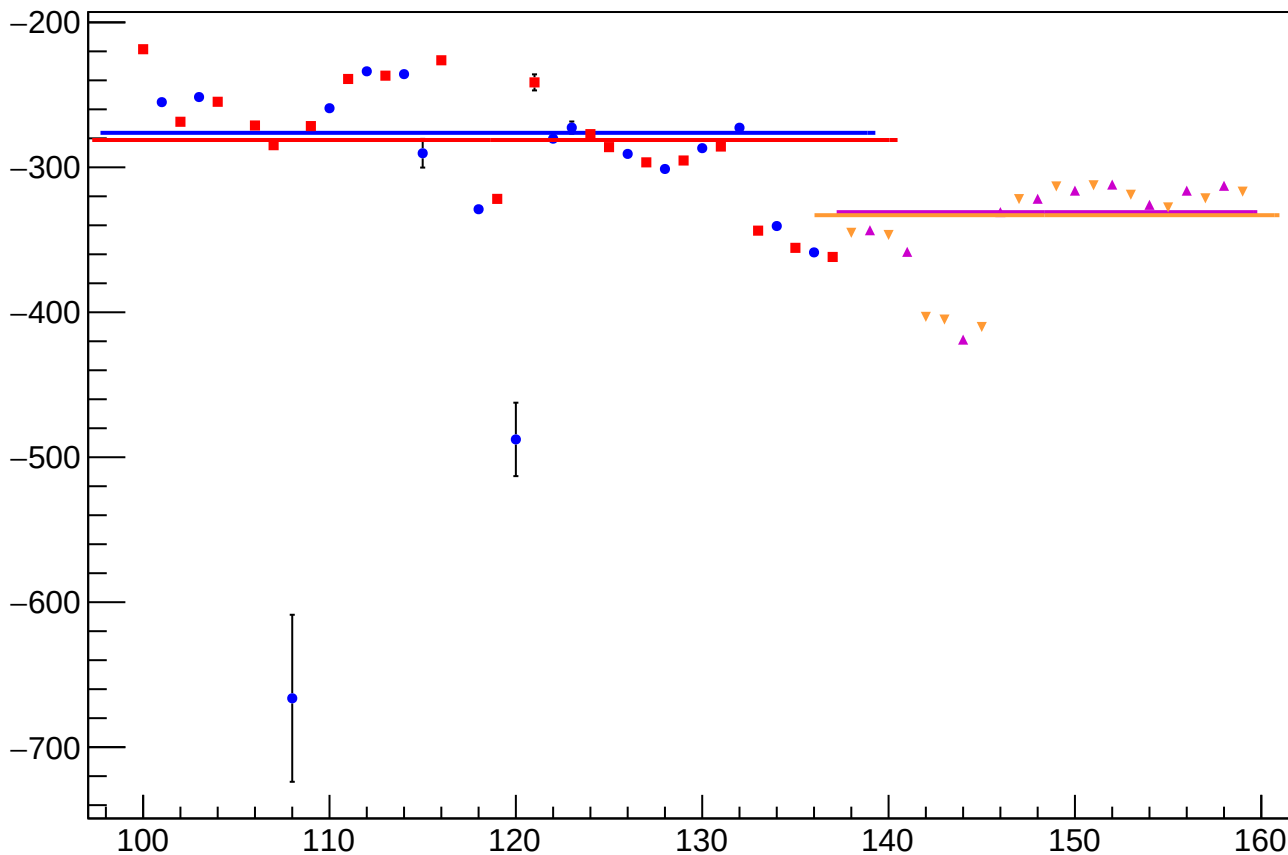
Right: 22.313 ± 0.014 χ^2/NDF : 50478.1/33

In: 21.319 ± 0.009 χ^2/NDF : 66545.9/25

Out: 21.099 ± 0.010 χ^2/NDF : 49843.3/28

All: 21.227 ± 0.007 χ^2/NDF : 116666.6/54

dit_usr_4aX_slope vs Slug, Sign Corrected



Right In: -276.201 ± 0.167 χ^2/NDF : 58107.7/16

Left Out: -333.020 ± 0.164 χ^2/NDF : 26318.1/11

Right Out: -281.150 ± 0.148 χ^2/NDF : 77611.5/18

Left In: -330.922 ± 0.132 χ^2/NDF : 34798.0/9

Left: -331.747 ± 0.103 χ^2/NDF : 61215.9/21

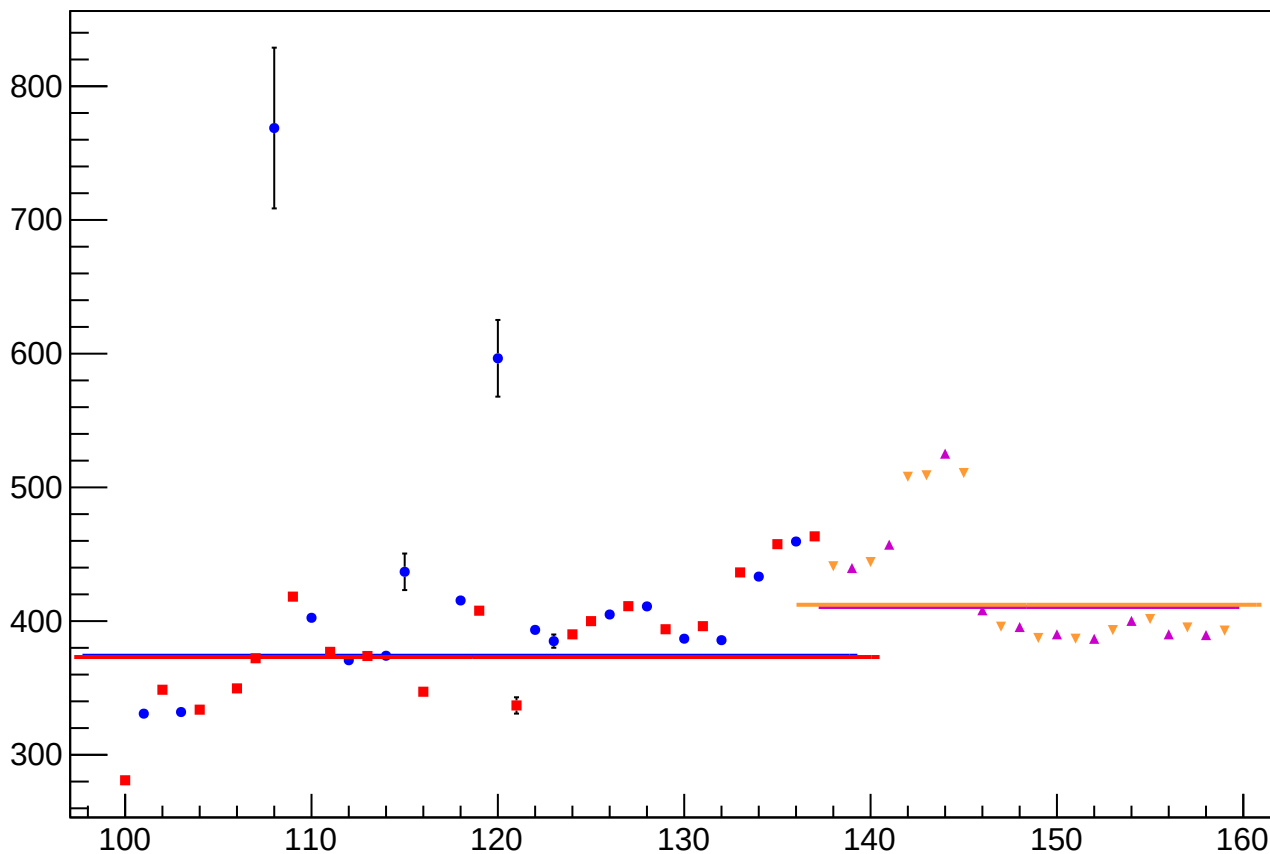
Right: -278.974 ± 0.110 χ^2/NDF : 136213.7/35

In: -309.878 ± 0.103 χ^2/NDF : 159328.5/26

Out: -304.423 ± 0.110 χ^2/NDF : 159374.6/30

All: -307.311 ± 0.075 χ^2/NDF : 320015.9/57

dit_usr_4eX_slope vs Slug, Sign Corrected



Right In: 374.094 $\pm$ 0.000 χ^2 /NDF: 35072.0/16

Left Out: 412.224 $\pm$ 0.163 χ^2 /NDF: 47993.6/11

Right Out: 373.134 $\pm$ 0.158 χ^2 /NDF: 108219.4/18

Left In: 410.557 $\pm$ 0.133 χ^2 /NDF: 59343.1/9

Left: 411.223 $\pm$ 0.103 χ^2 /NDF: 107399.2/21

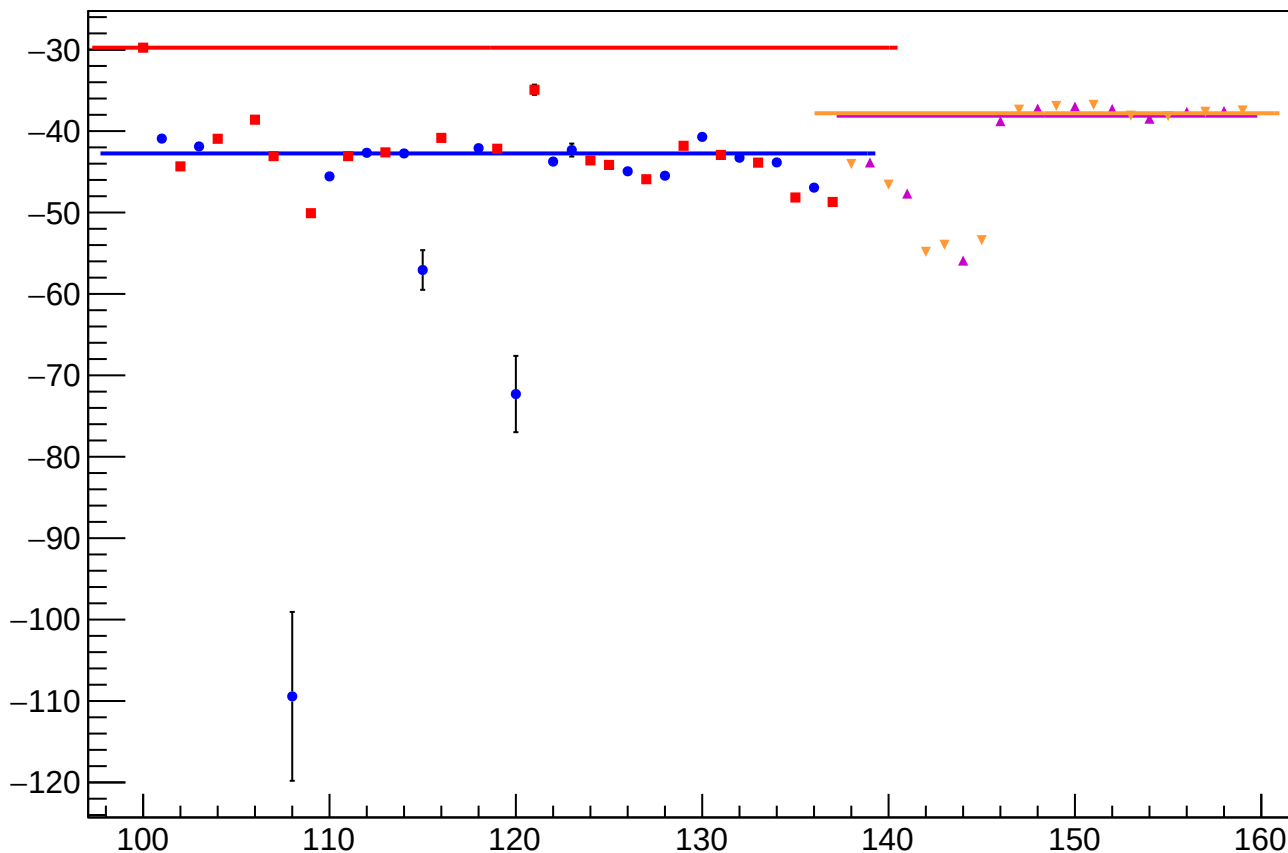
Right: 374.094 $\pm$ 0.000 χ^2 /NDF: 143328.3/35

In: 374.094 $\pm$ 0.000 χ^2 /NDF: 169274.8/26

Out: 392.005 $\pm$ 0.114 χ^2 /NDF: 185782.0/30

All: 374.094 $\pm$ 0.000 χ^2 /NDF: 379919.4/57

dit_usr_11X12X_slope vs Slug, Sign Corrected



Right In: -42.744 $\pm$ 0.000 χ^2 /NDF: 13262.6/16

Left Out: -37.809 $\pm$ 0.005 χ^2 /NDF:249792.7/11

Right Out: -29.754 $\pm$ 0.000 χ^2 /NDF: 483930.3/18

Left In: -38.106 $\pm$ 0.005 χ^2 /NDF:144829.4/9

Left: -37.950 $\pm$ 0.004 χ^2 /NDF: 396212.5/21

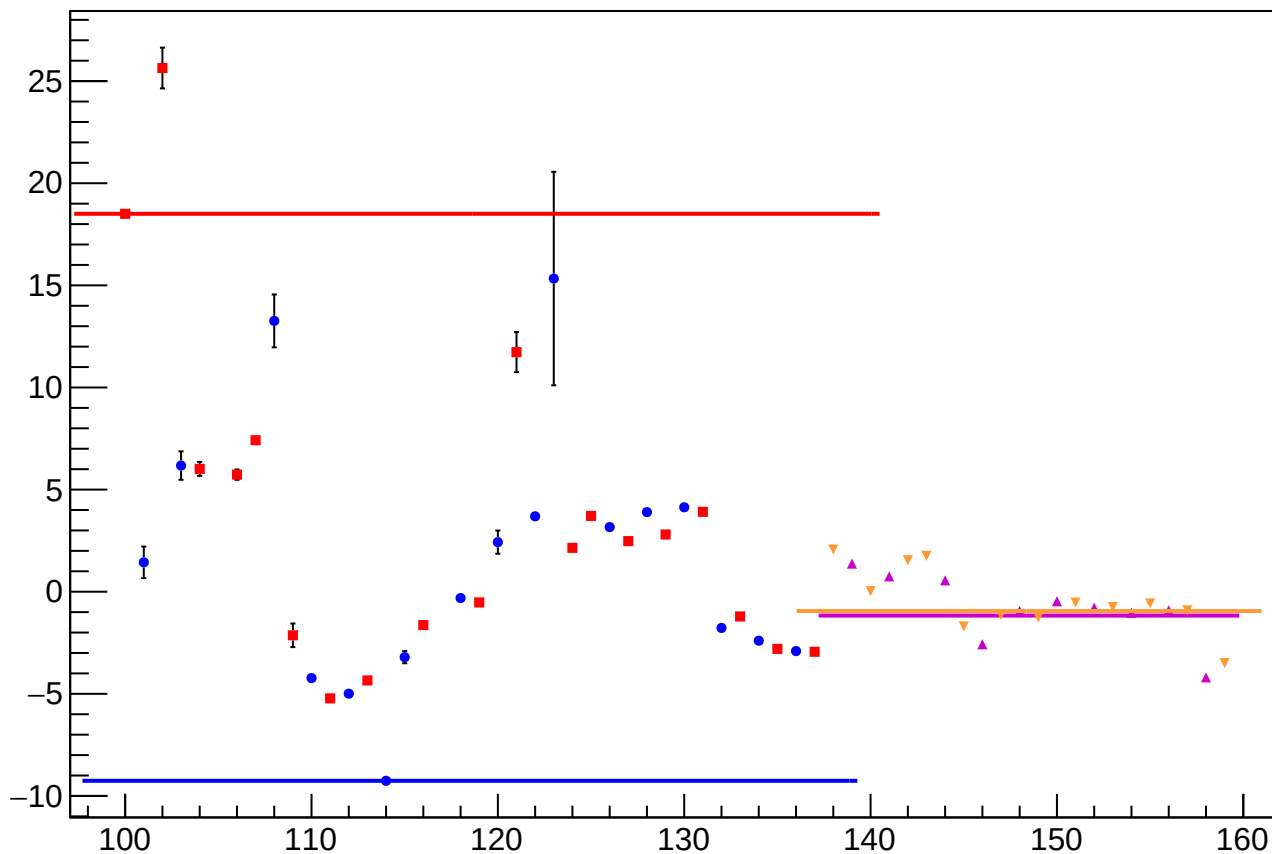
Right: -38.159 $\pm$ 0.000 χ^2 /NDF: 129765212680709

In: -42.744 $\pm$ 0.000 χ^2 /NDF:893336.0/26

Out: -29.754 $\pm$ 0.000 χ^2 /NDF:3195367.1/30

All: -38.159 $\pm$ 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: -0.947 ± 0.008 χ^2/NDF : 29405.8/11

Right Out: 18.504 ± 0.000 χ^2/NDF : 7366781.0/18

Left In: -1.168 ± 0.008 χ^2/NDF : 37824.2/9

Left: -1.062 ± 0.006 χ^2/NDF : 67607.5/21

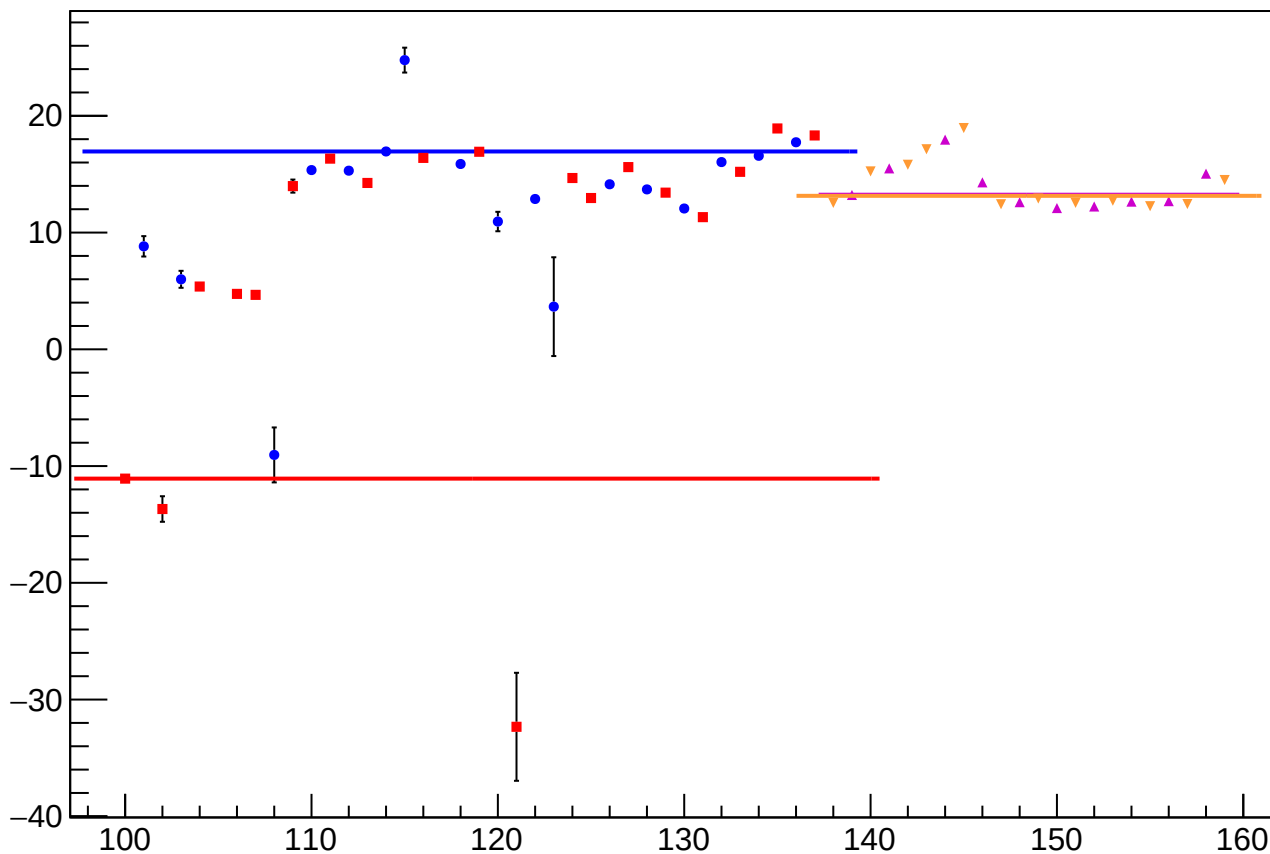
Right: 6.039 ± 0.000 χ^2/NDF : 16450574505955581

In: -9.259 ± 0.000 χ^2/NDF : 1507760.5/26

Out: 18.504 ± 0.000 χ^2/NDF : 13023745.1/30

All: 6.039 ± 0.000 χ^2/NDF : 16450574505955581

dit_usr_4eY_slope vs Slug, Sign Corrected



Right In: 16.947 $\pm$ 0.000 χ^2/NDF : 11231.8/16

Left Out: 13.148 $\pm$ 0.010 χ^2/NDF :15460.2/11

Right Out: -11.075 $\pm$ 0.000 χ^2/NDF : 2712010.0/18

Left In: 13.242 $\pm$ 0.011 χ^2/NDF :13781.0/9

Left: 13.189 $\pm$ 0.007 χ^2/NDF : 29280.6/21

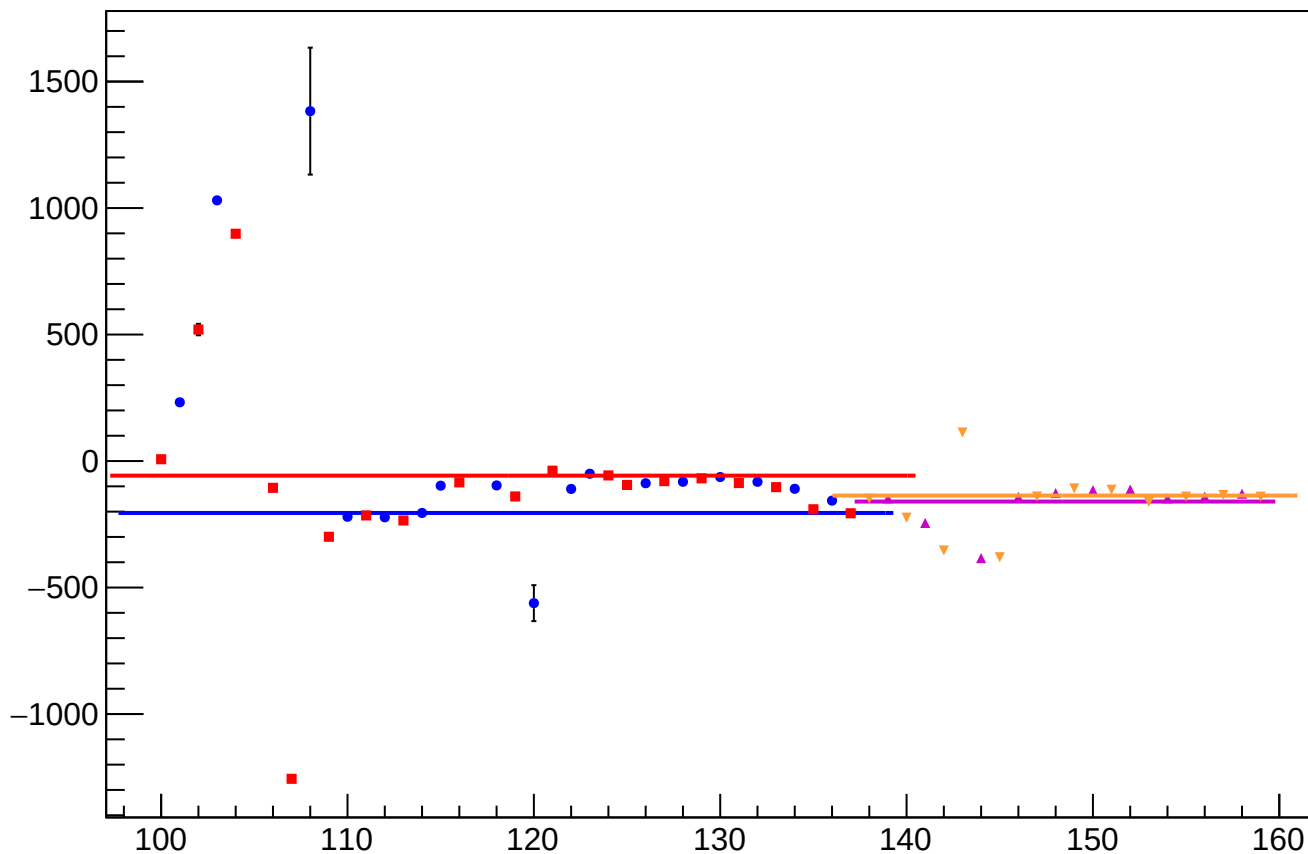
Right: -2.268 $\pm$ 0.000 χ^2/NDF : 4692527454635666

In: 16.947 $\pm$ 0.000 χ^2/NDF :132410.9/26

Out: -11.075 $\pm$ 0.000 χ^2/NDF :8710150.5/30

All: -2.268 $\pm$ 0.000 χ^2/NDF : 4692527454635

dit_atl1_4aX_slope vs Slug, Sign Corrected



Right In: -205.160 ± 0.000 $\chi^2/\text{NDF}: 582775.6/16$

Left Out: -136.429 ± 0.285 $\chi^2/\text{NDF}: 43145.5/11$

Right Out: -57.684 ± 0.283 $\chi^2/\text{NDF}: 114854.9/18$

Left In: -160.178 ± 0.360 $\chi^2/\text{NDF}: 38565.0/9$

Left: -145.579 ± 0.224 $\chi^2/\text{NDF}: 84378.8/21$

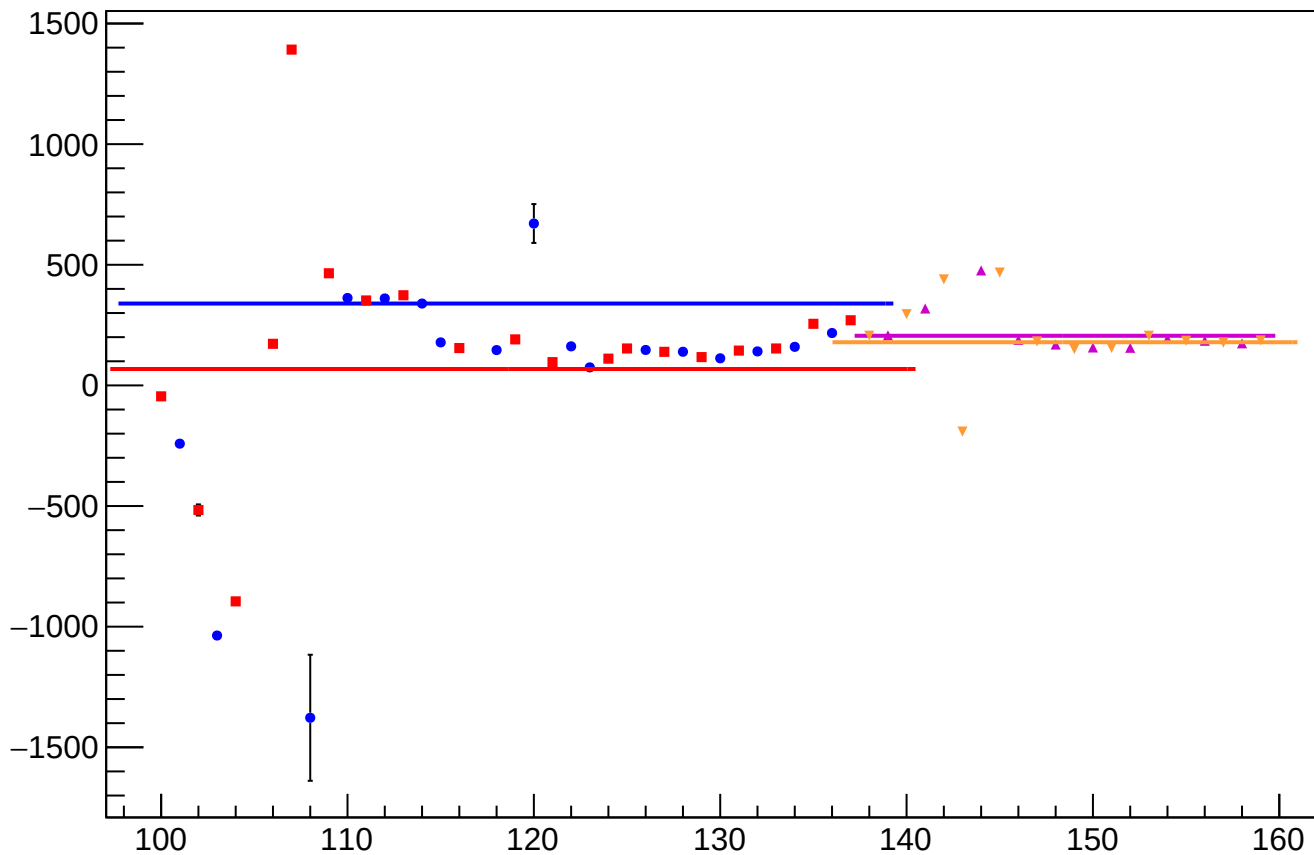
Right: -205.160 ± 0.000 $\chi^2/\text{NDF}: 968522.3/35$

In: -205.160 ± 0.000 $\chi^2/\text{NDF}: 636911.0/26$

Out: -96.775 ± 0.201 $\chi^2/\text{NDF}: 196340.0/30$

All: -205.160 ± 0.000 $\chi^2/\text{NDF}: 1123805.6/57$

dit_atl1_4eX_slope vs Slug, Sign Corrected



Right In: 339.325+/-0.000 χ^2/NDF : 1030606.3/16

Left Out: 178.928+/-0.285 χ^2/NDF : 79064.0/11

Right Out: 68.024+/-0.286 χ^2/NDF : 272330.9/18

Left In: 205.745+/-0.366 χ^2/NDF : 45113.8/9

Left: 189.076+/-0.225 χ^2/NDF : 127521.5/21

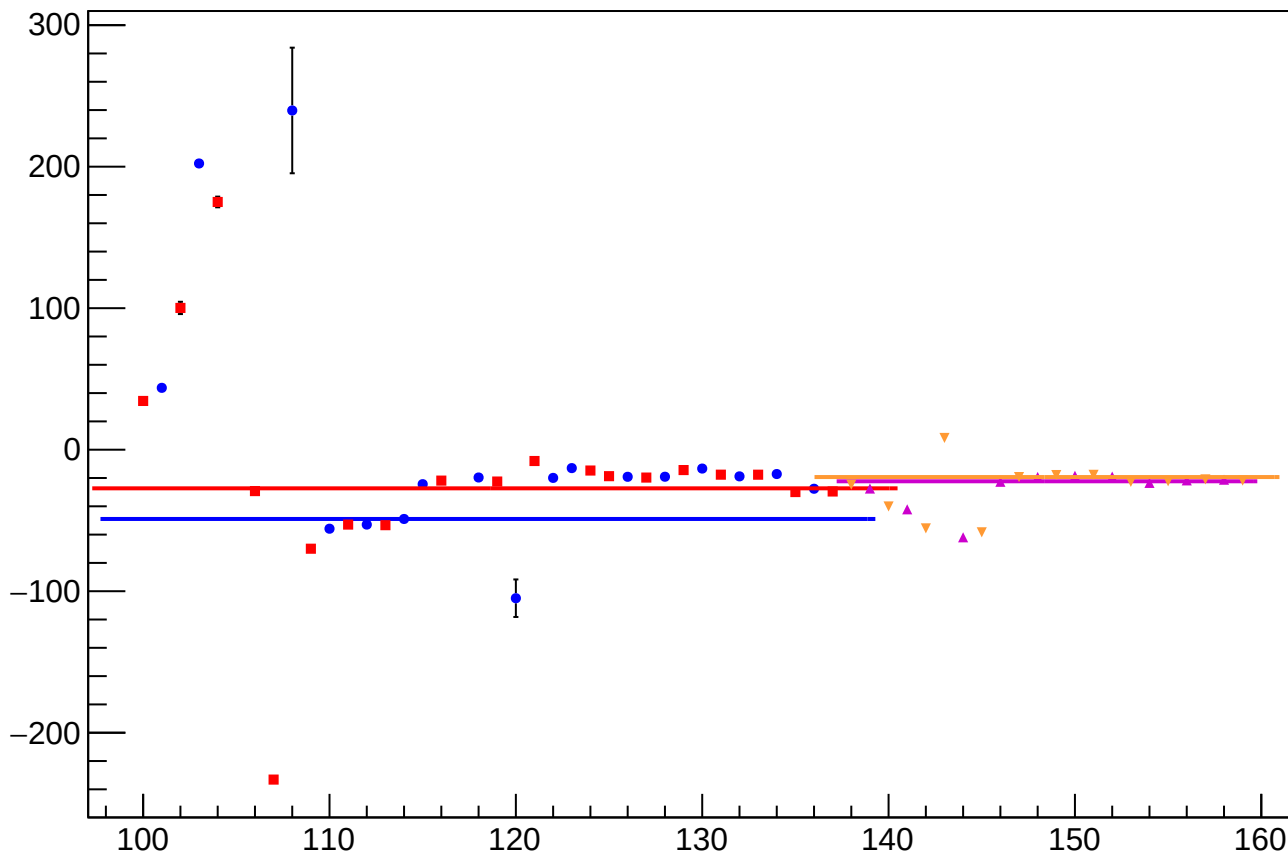
Right: 339.325+/-0.000 χ^2/NDF : 2202286.8/35

In: 339.325+/-0.000 χ^2/NDF : 1209182.9/26

Out: 123.631+/-0.202 χ^2/NDF : 426748.8/30

All: 339.325+/-0.000 χ^2/NDF : 2776042.9/57

dit_atl1_11X12X_slope vs Slug, Sign Corrected



Right In: -48.945 $\pm$ 0.000 χ^2 /NDF: 5408370.4/16

Left Out: -19.330 $\pm$ 0.013 χ^2 /NDF: 564337.0/11

Right Out: -27.303 $\pm$ 0.052 χ^2 /NDF: 167879.9/18

Left In: -22.321 $\pm$ 0.020 χ^2 /NDF: 119639.3/9

Left: -20.266 $\pm$ 0.011 χ^2 /NDF: 699461.4/21

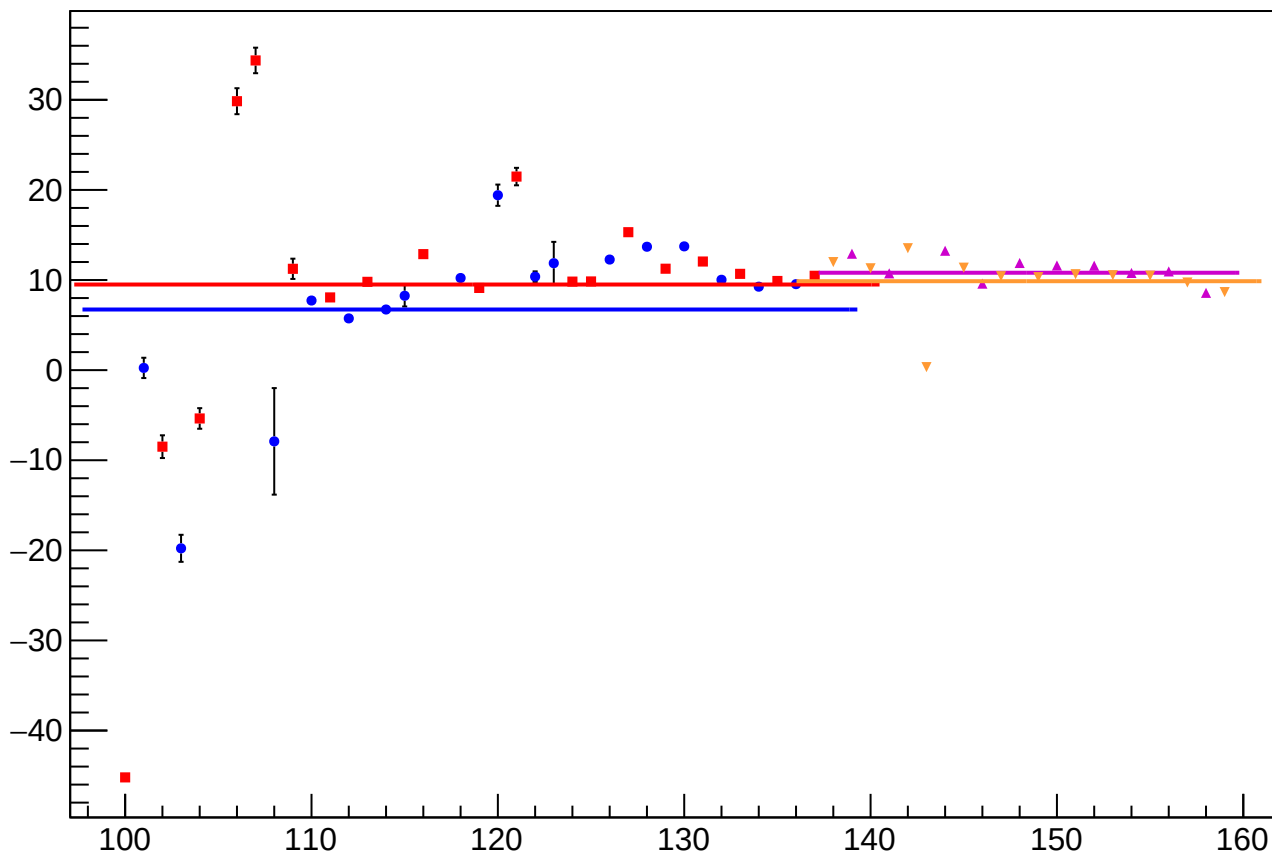
Right: -48.945 $\pm$ 0.000 χ^2 /NDF: 5751523.0/35

In: -48.945 $\pm$ 0.000 χ^2 /NDF: 7314490.5/26

Out: -19.835 $\pm$ 0.013 χ^2 /NDF: 754497.3/30

All: -48.945 $\pm$ 0.000 χ^2 /NDF: 13071940.3/57

dit_atl1_4aY_slope vs Slug, Sign Corrected



Right In: 6.728+/-0.000 χ^2/NDF : 13749.2/16

Left Out: 9.870+/-0.020 χ^2/NDF : 21480.4/11

Right Out: 9.502+/-0.036 χ^2/NDF : 26822.1/18

Left In: 10.809+/-0.016 χ^2/NDF : 6458.2/9

Left: 10.426+/-0.013 χ^2/NDF : 29297.3/21

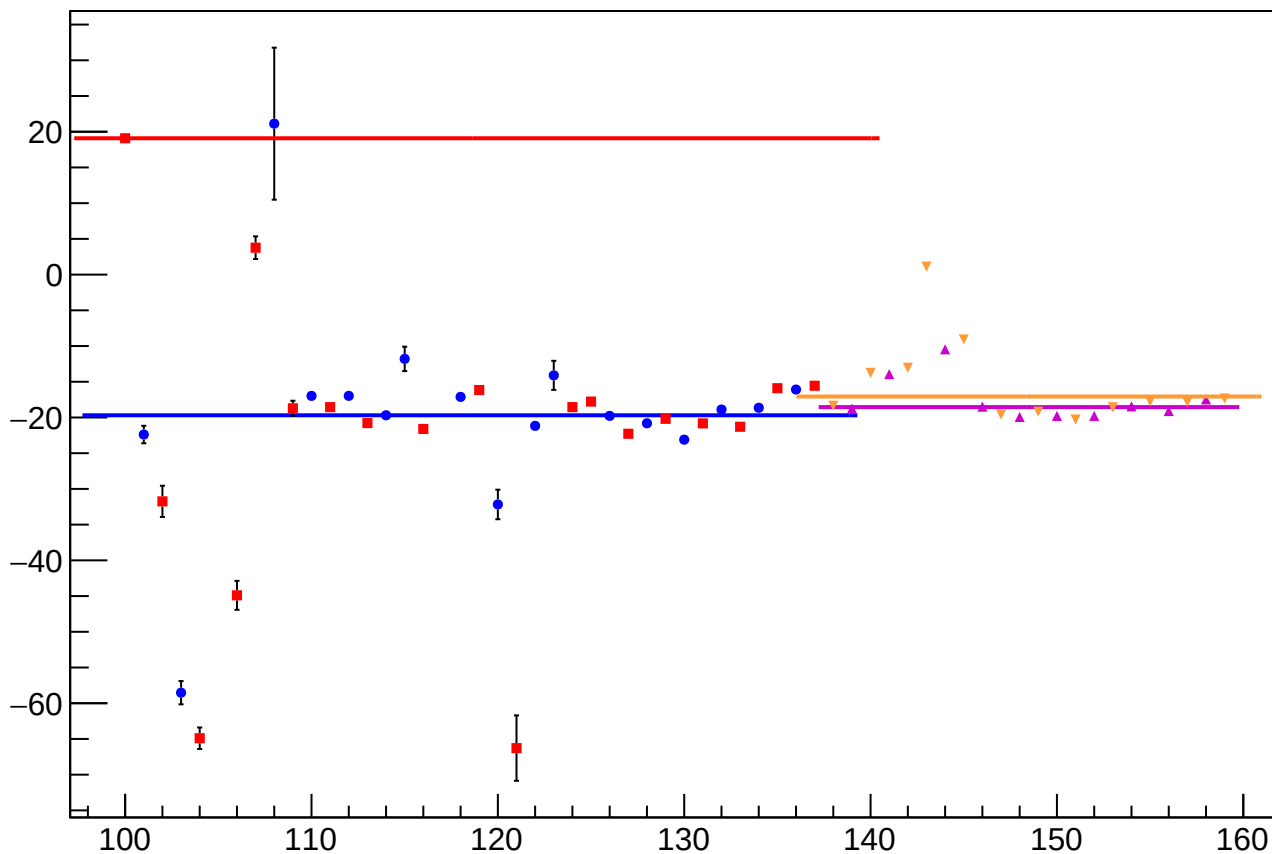
Right: 6.728+/-0.000 χ^2/NDF : 46635.2/35

In: 6.728+/-0.000 χ^2/NDF : 83037.6/26

Out: 9.784+/-0.017 χ^2/NDF : 48384.5/30

All: 6.728+/-0.000 χ^2/NDF : 163105.0/57

dit_atl1_4eY_slope vs Slug, Sign Corrected



Right In: -19.693 ± 0.000 χ^2/NDF : 7579.0/16

Left Out: -17.066 ± 0.022 χ^2/NDF : 36000.0/11

Right Out: 19.086 ± 0.000 χ^2/NDF : 610746.9/18

Left In: -18.545 ± 0.022 χ^2/NDF : 5924.6/9

Left: -17.833 ± 0.015 χ^2/NDF : 44199.2/21

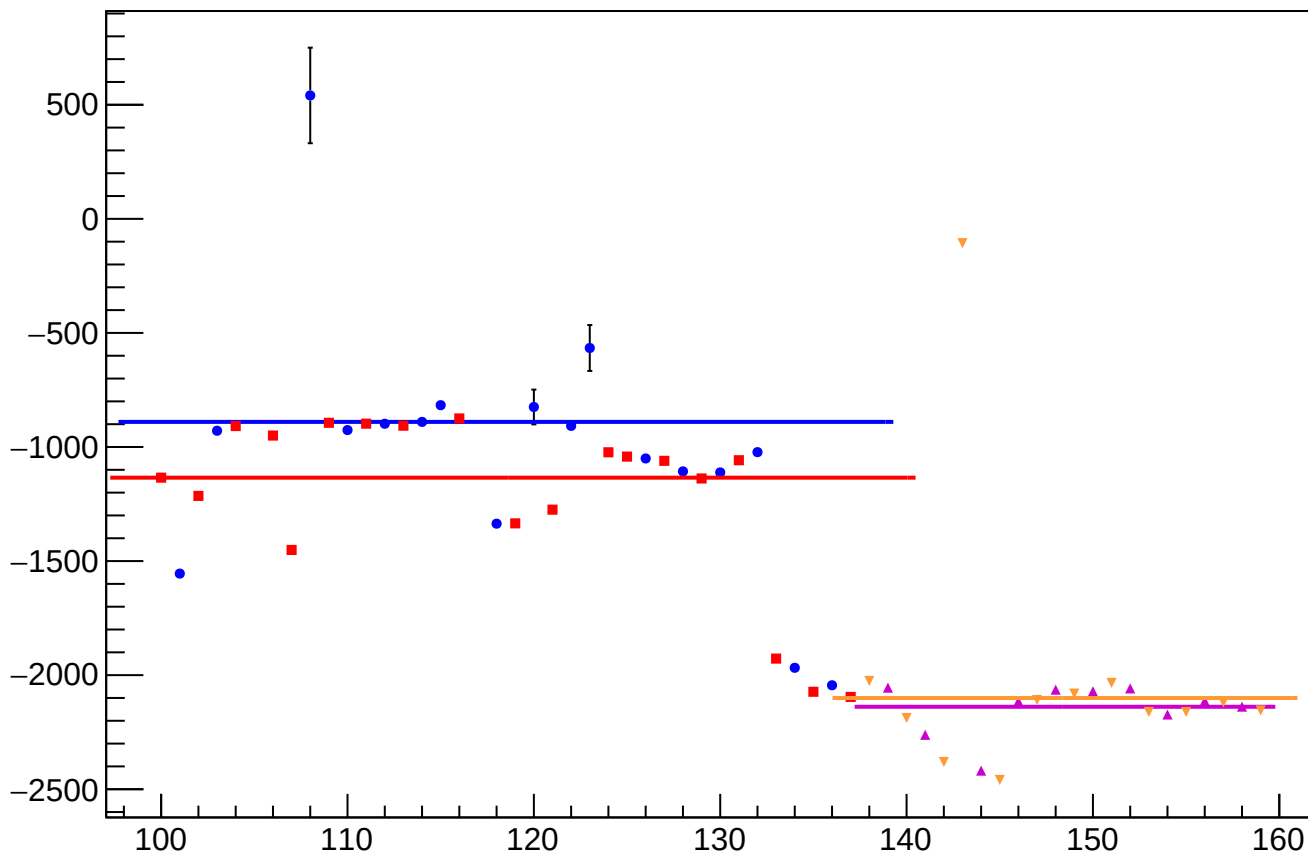
Right: -6.006 ± 0.000 χ^2/NDF : 4625637731292657

In: -19.693 ± 0.000 χ^2/NDF : 16352.1/26

Out: 19.086 ± 0.000 χ^2/NDF : 3266453.1/30

All: -6.006 ± 0.000 χ^2/NDF : 4625637731292

dit_atl2_4aX_slope vs Slug, Sign Corrected



Right In: -889.928 ± 0.000 $\chi^2/\text{NDF}: 775896.0/16$

Left Out: -2100.259 ± 0.531 $\chi^2/\text{NDF}: 265007.4/11$

Right Out: -1134.421 ± 0.000 $\chi^2/\text{NDF}: 733812.0/18$

Left In: -2138.585 ± 0.553 $\chi^2/\text{NDF}: 31645.3/9$

Left: -2118.634 ± 0.383 $\chi^2/\text{NDF}: 299152.4/21$

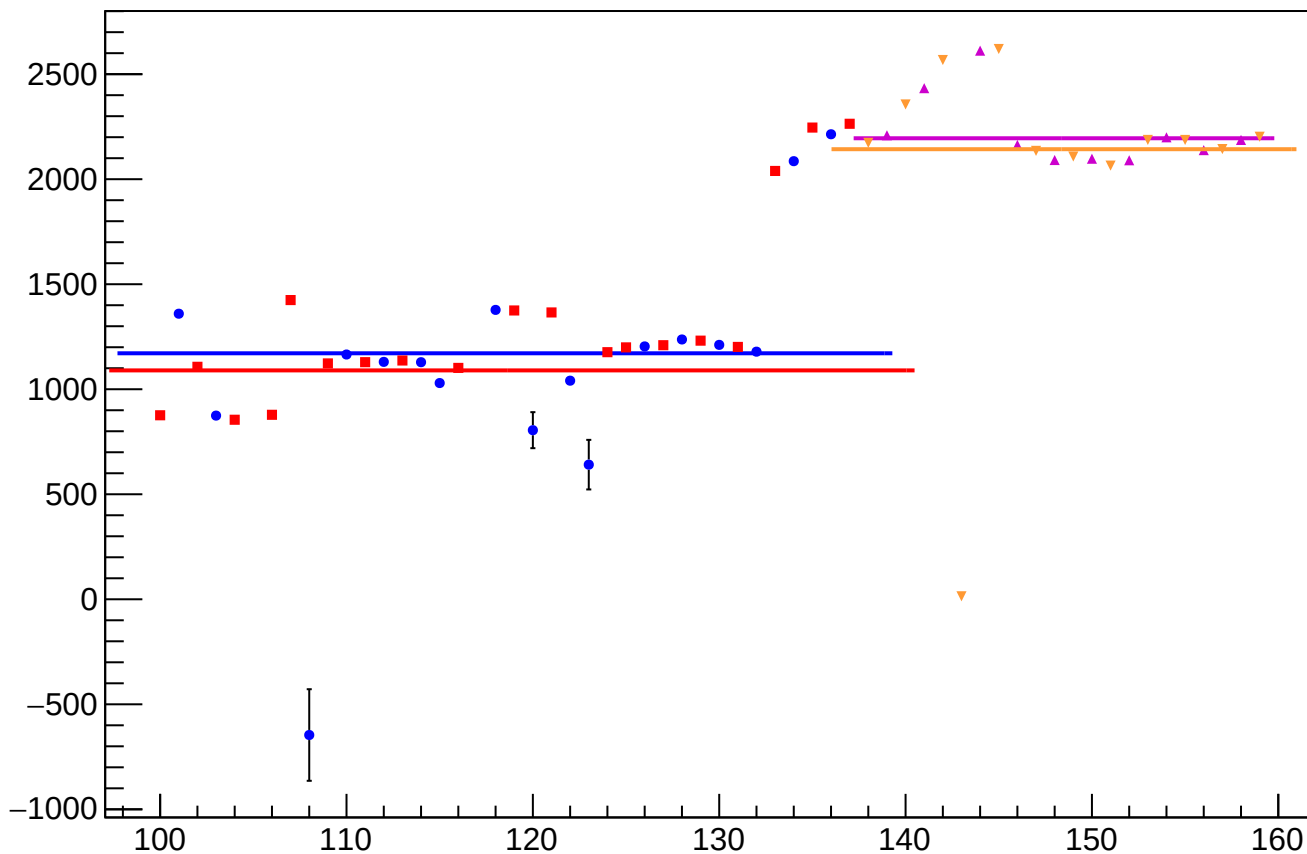
Right: -976.220 ± 0.000 $\chi^2/\text{NDF}: 44889787387498$

In: -889.928 ± 0.000 $\chi^2/\text{NDF}: 5904495.5/26$

Out: -1134.421 ± 0.000 $\chi^2/\text{NDF}: 4309986.1/30$

All: -976.220 ± 0.000 $\chi^2/\text{NDF}: 44889787387$

dit_atl2_4eX_slope vs Slug, Sign Corrected



Right In: 1171.188 $\pm$ 0.245 χ^2 /NDF: 508989.2/16

Left Out: 2142.851 $\pm$ 0.525 χ^2 /NDF:303038.6/11

Right Out: 1089.705 $\pm$ 0.253 χ^2 /NDF: 1100321.6/18

Left In: 2194.914 $\pm$ 0.562 χ^2 /NDF:55506.1/9

Left: 2167.124 $\pm$ 0.384 χ^2 /NDF: 363122.6/21

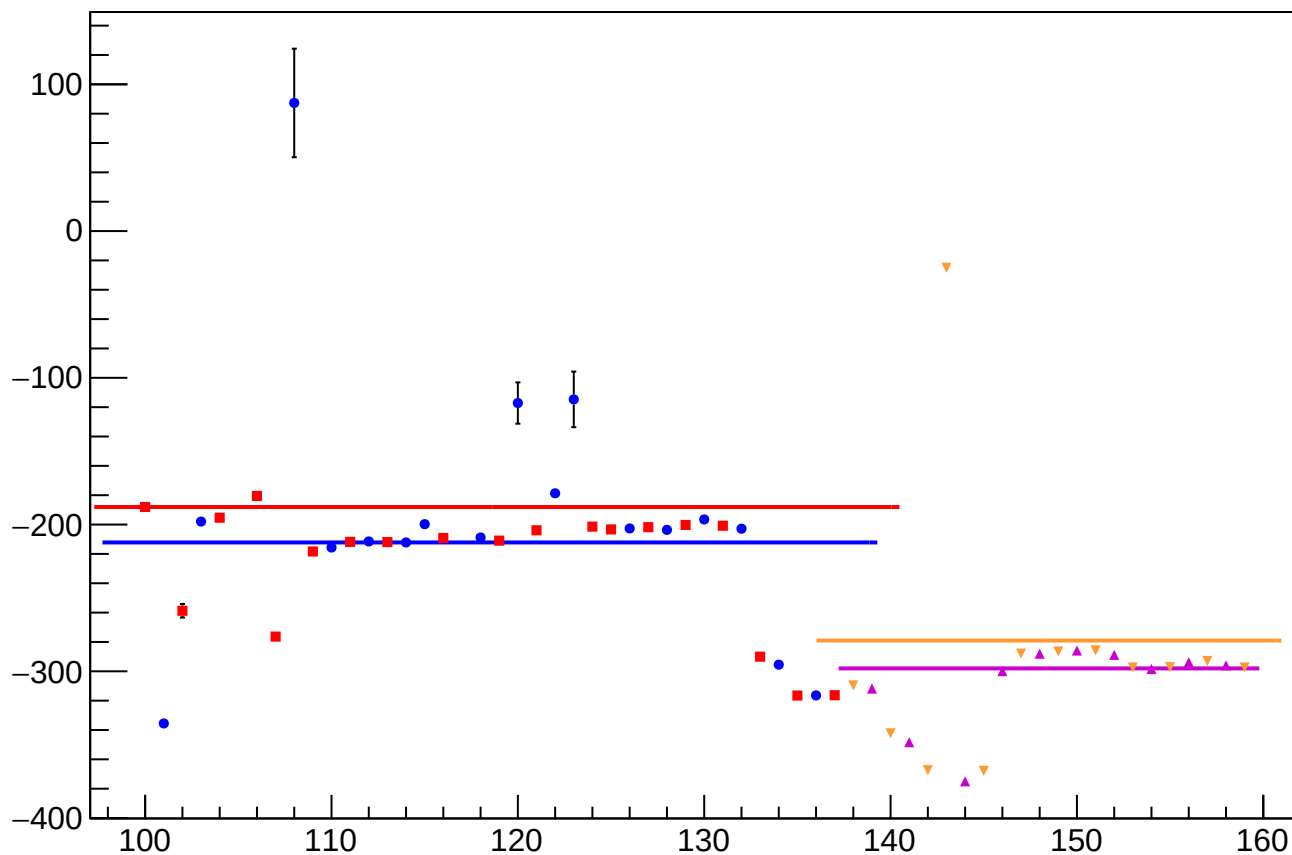
Right: 1131.764 $\pm$ 0.176 χ^2 /NDF: 1662665.0/35

In: 1335.002 $\pm$ 0.225 χ^2 /NDF:3349844.9/26

Out: 1288.505 $\pm$ 0.228 χ^2 /NDF:4662763.7/30

All: 1312.101 $\pm$ 0.160 χ^2 /NDF: 8033663.4/57

dit_atl2_11X12X_slope vs Slug, Sign Corrected



Right In: -212.190 ± 0.000 $\chi^2/\text{NDF}: 1149195.1/16$

Left Out: -279.041 ± 0.028 $\chi^2/\text{NDF}: 5742439.7/11$

Right Out: -188.033 ± 0.000 $\chi^2/\text{NDF}: 602264.3/18$

Left In: -298.033 ± 0.029 $\chi^2/\text{NDF}: 275679.9/9$

Left: -288.350 ± 0.020 $\chi^2/\text{NDF}: 6237431.2/21$

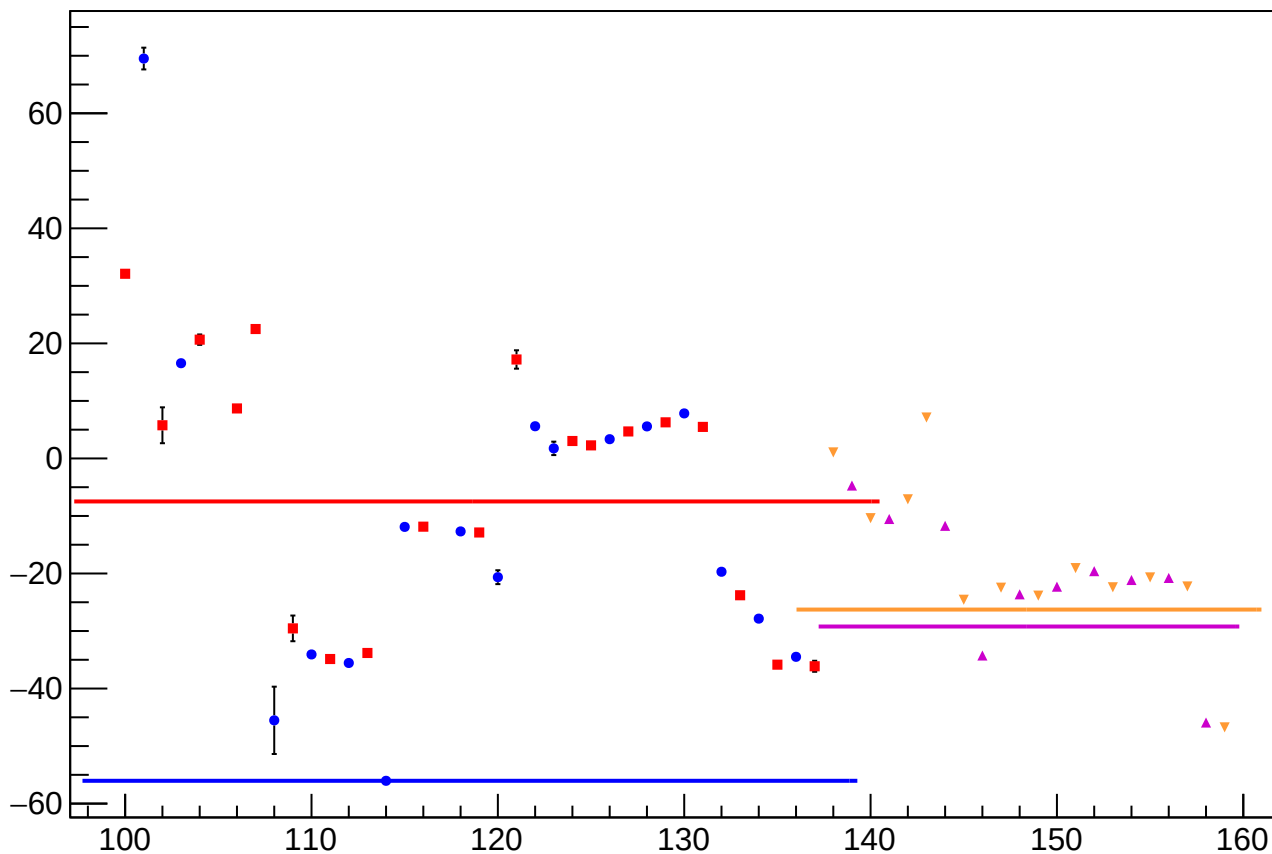
Right: -195.625 ± 0.000 $\chi^2/\text{NDF}: 13622303625661$

In: -212.190 ± 0.000 $\chi^2/\text{NDF}: 10212650.5/26$

Out: -188.033 ± 0.000 $\chi^2/\text{NDF}: 16617777.0/30$

All: -195.625 ± 0.000 $\chi^2/\text{NDF}: 13622303625$

dit_atl2_4aY_slope vs Slug, Sign Corrected



Right In: -56.037+/-0.000 χ^2/NDF : 1585420.7/16

Left Out: -26.270+/-0.028 χ^2/NDF : 204562.6/11

Right Out: -7.476+/-0.042 χ^2/NDF : 173893.8/18

Left In: -29.217+/-0.026 χ^2/NDF : 259500.6/9

Left: -27.839+/-0.019 χ^2/NDF : 469974.2/21

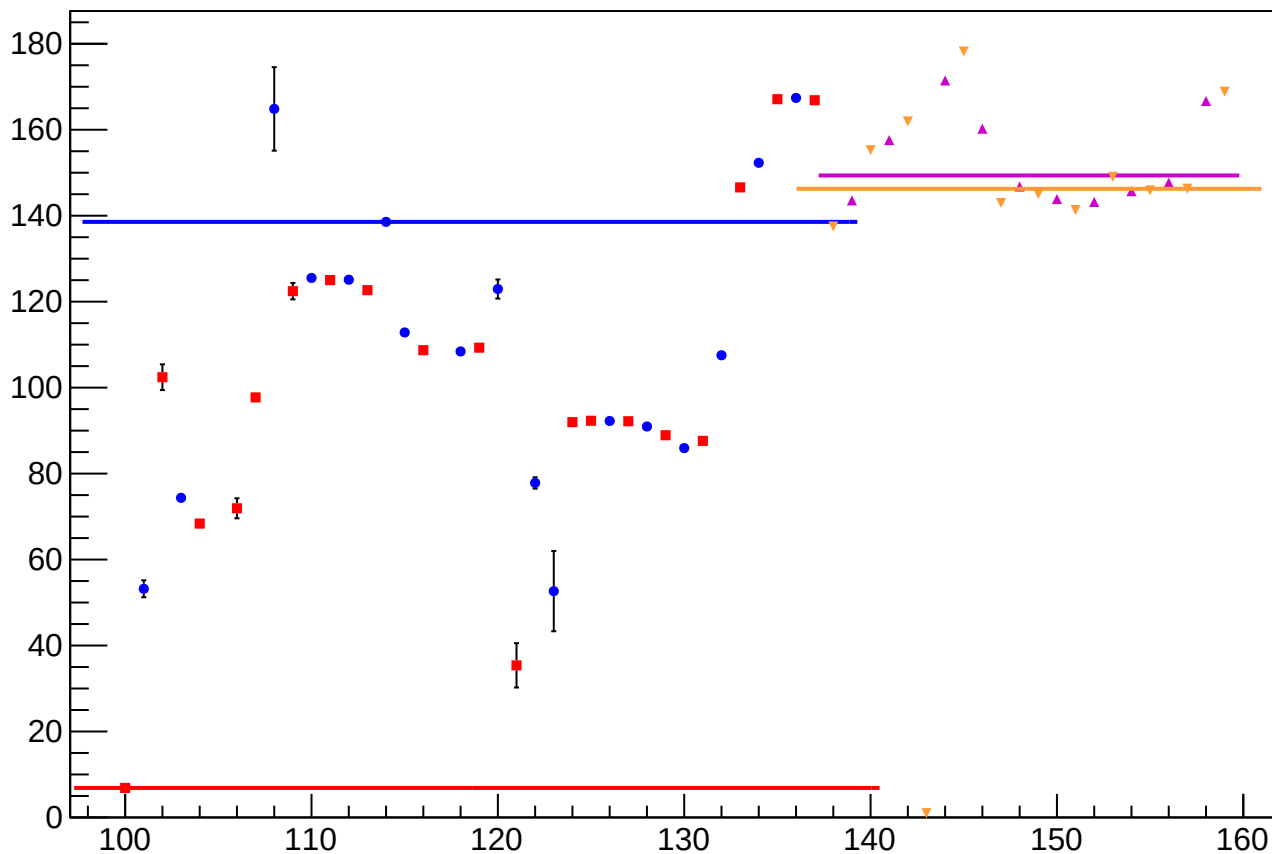
Right: -56.037+/-0.000 χ^2/NDF : 3084882.3/35

In: -56.037+/-0.000 χ^2/NDF : 2891903.8/26

Out: -20.531+/-0.023 χ^2/NDF : 516374.9/30

All: -56.037+/-0.000 χ^2/NDF : 5728890.3/57

dit_atl2_4eY_slope vs Slug, Sign Corrected



Right In: 138.565 $\pm$ 0.000 χ^2 /NDF: 901159.7/16

Left Out: 146.258 $\pm$ 0.035 χ^2 /NDF:366015.1/11

Right Out: 6.866 $\pm$ 0.000 χ^2 /NDF: 8047391.7/18

Left In: 149.364 $\pm$ 0.037 χ^2 /NDF:44848.3/9

Left: 147.703 $\pm$ 0.026 χ^2 /NDF: 414531.0/21

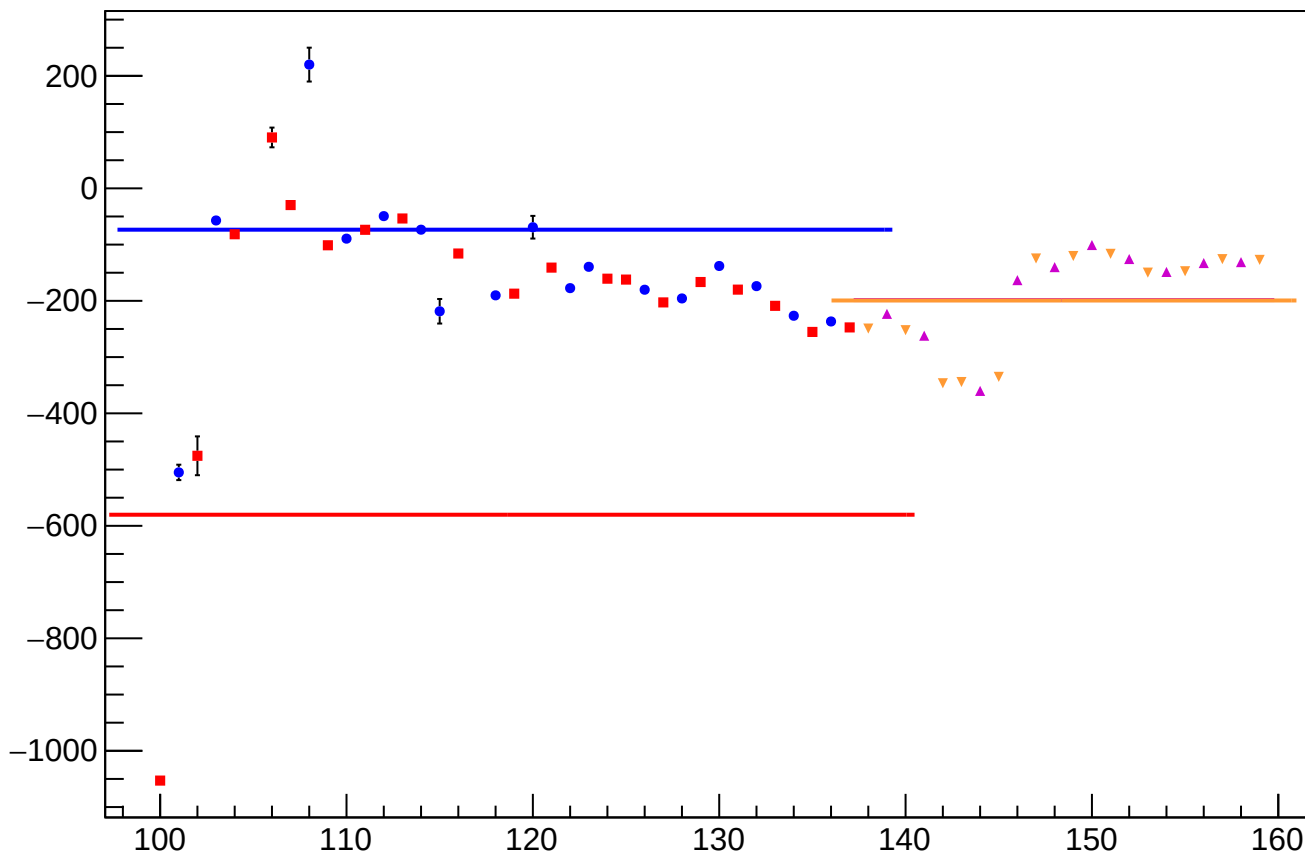
Right: 7.101 $\pm$ 0.000 χ^2 /NDF: 23576822681928678

In: 138.565 $\pm$ 0.000 χ^2 /NDF:1028938.8/26

Out: 6.866 $\pm$ 0.000 χ^2 /NDF:24286118.3/30

All: 7.101 $\pm$ 0.000 χ^2 /NDF: 23576822681928

dit_atr1_4aX_slope vs Slug, Sign Corrected



Right In: -73.485 ± 0.000 $\chi^2/\text{NDF}: 98703.2/16$

Left Out: -199.355 ± 0.332 $\chi^2/\text{NDF}: 60005.3/11$

Right Out: -580.262 ± 0.261 $\chi^2/\text{NDF}: 3031609.5/18$

Left In: -198.562 ± 0.371 $\chi^2/\text{NDF}: 51936.8/9$

Left: -199.003 ± 0.247 $\chi^2/\text{NDF}: 111944.7/21$

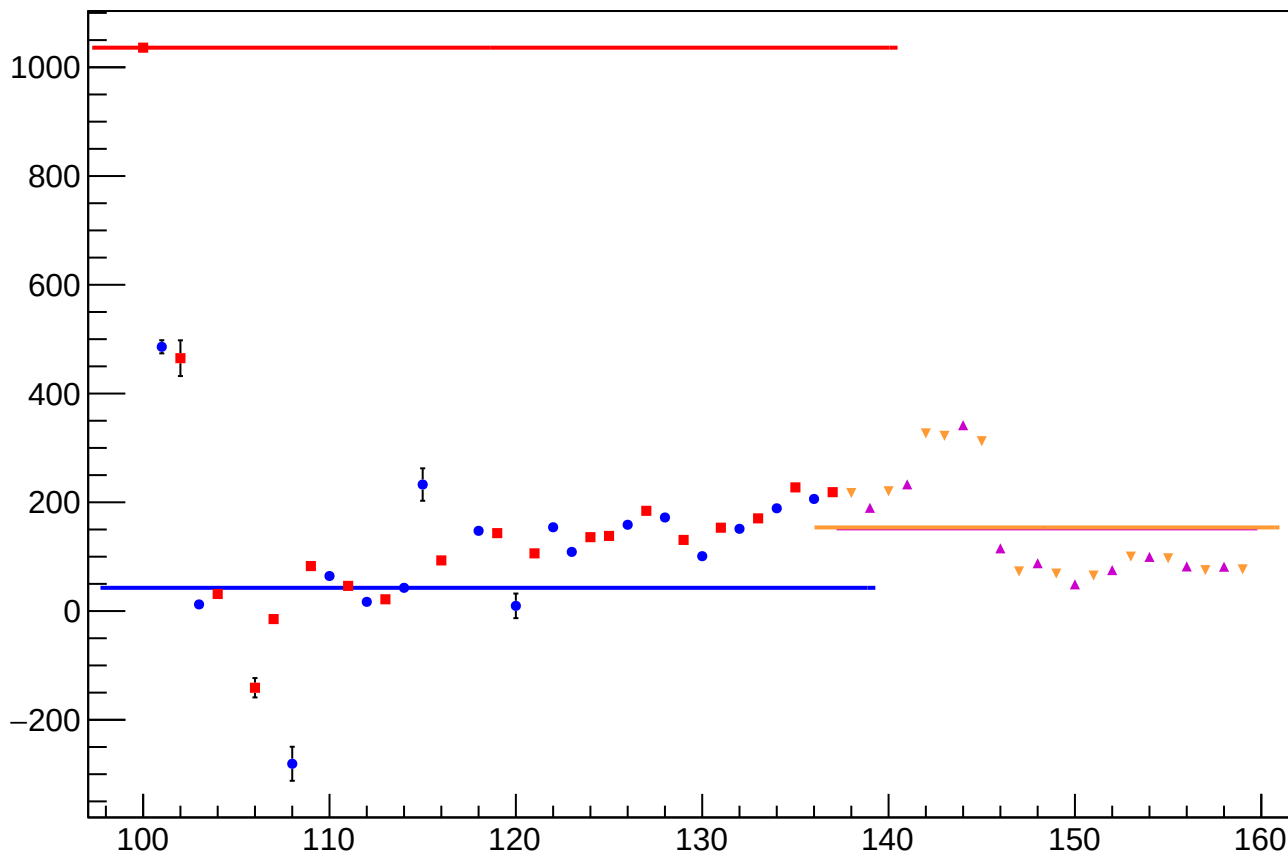
Right: -73.485 ± 0.000 $\chi^2/\text{NDF}: 6902096.9/35$

In: -73.485 ± 0.000 $\chi^2/\text{NDF}: 264165.7/26$

Out: -434.772 ± 0.205 $\chi^2/\text{NDF}: 3905505.5/30$

All: -73.485 ± 0.000 $\chi^2/\text{NDF}: 7271362.6/57$

dit_atr1_4eX_slope vs Slug, Sign Corrected



Right In: 42.743+/-0.000 χ^2/NDF : 84599.8/16

Left Out: 153.768+/-0.337 χ^2/NDF : 74151.8/11

Right Out: 1036.068+/-0.000 χ^2/NDF : 4933722.5/18

Left In: 152.044+/-0.379 χ^2/NDF : 61115.4/9

Left: 153.008+/-0.252 χ^2/NDF : 135278.8/21

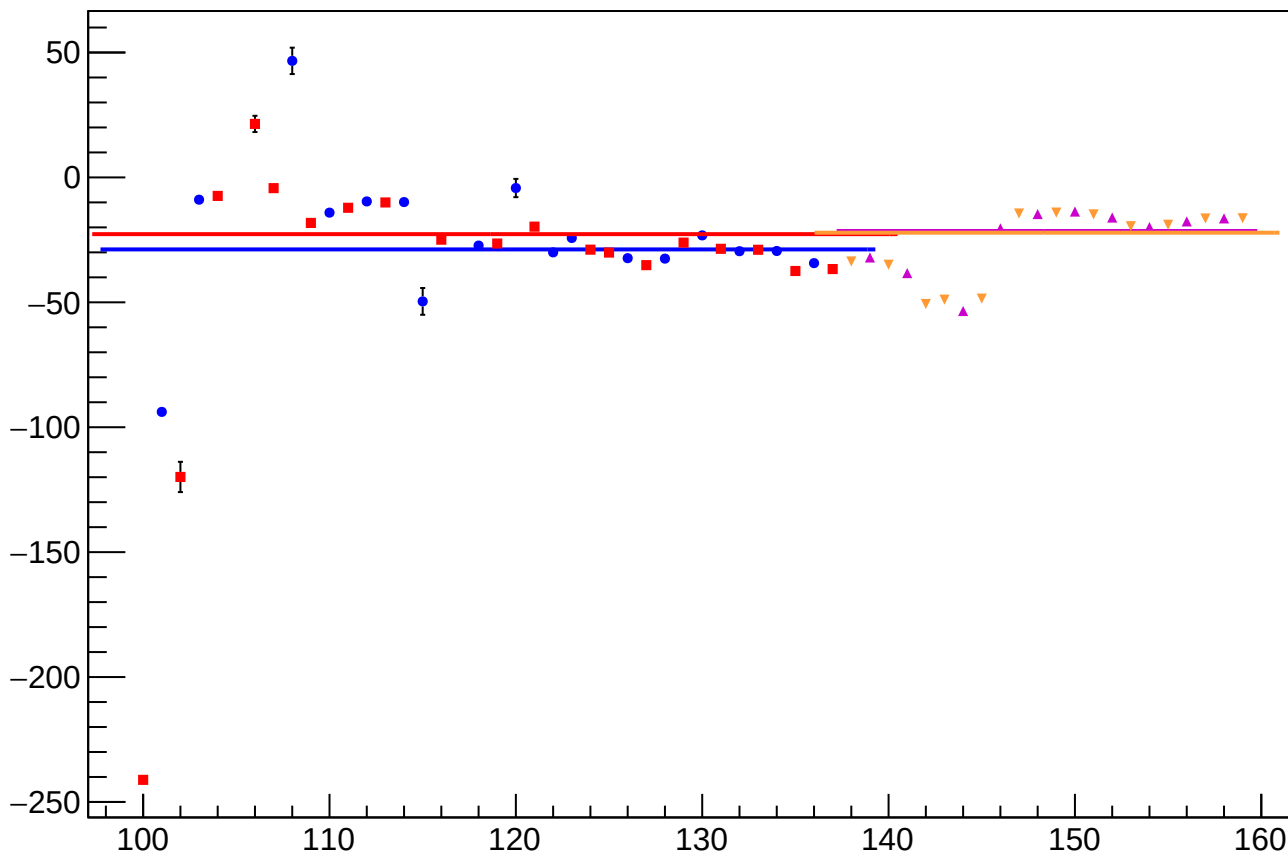
Right: 43.272+/-0.000 χ^2/NDF : 1144517497266833

In: 42.743+/-0.000 χ^2/NDF : 228735.8/26

Out: 1036.068+/-0.000 χ^2/NDF : 11872438.7/30

All: 43.272+/-0.000 χ^2/NDF : 1144517497266

dit_atr1_11X12X_slope vs Slug, Sign Corrected



Right In: -28.822 ± 0.035 $\chi^2/\text{NDF}: 49503.4/16$

Left Out: -22.131 ± 0.017 $\chi^2/\text{NDF}: 322060.4/11$

Right Out: -22.707 ± 0.038 $\chi^2/\text{NDF}: 410174.9/18$

Left In: -21.444 ± 0.021 $\chi^2/\text{NDF}: 179951.5/9$

Left: -21.868 ± 0.013 $\chi^2/\text{NDF}: 502648.6/21$

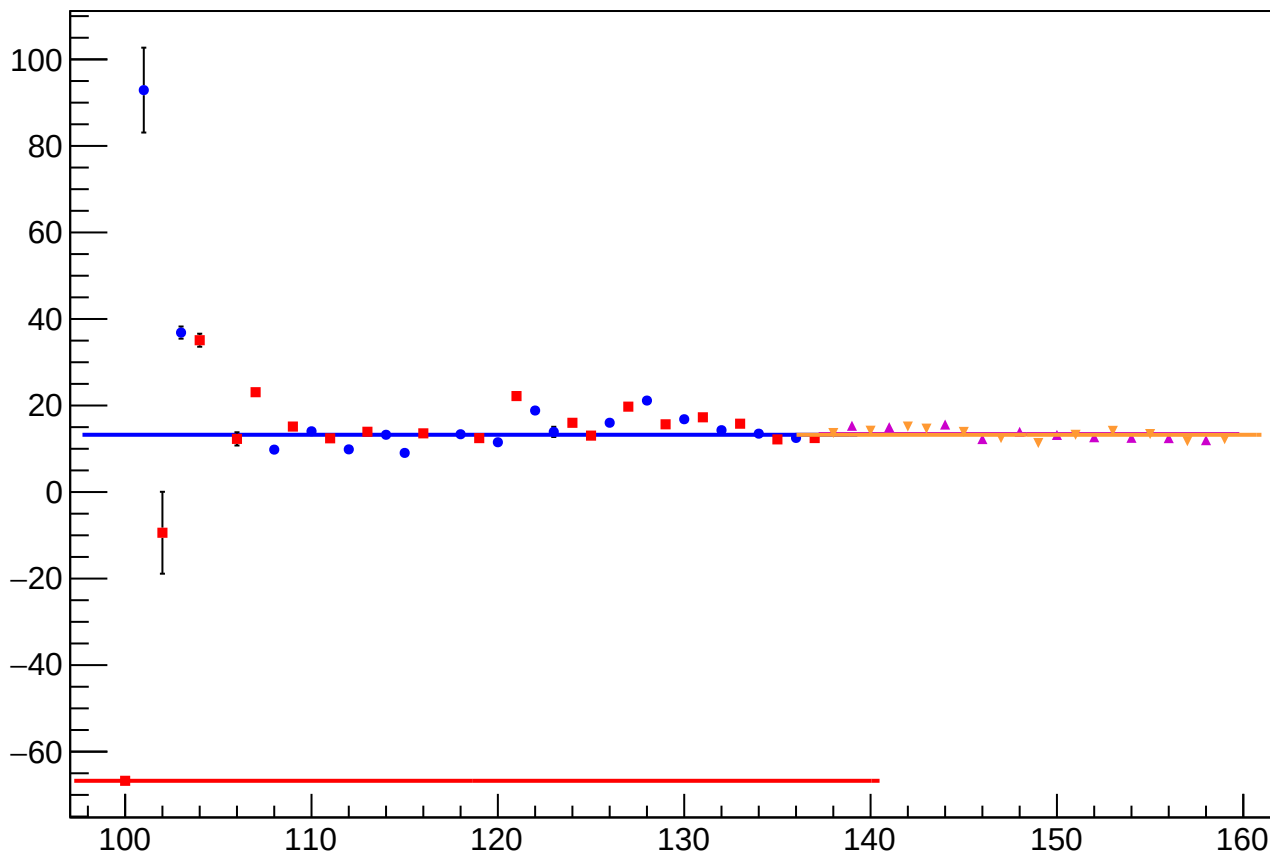
Right: -26.045 ± 0.026 $\chi^2/\text{NDF}: 473753.1/35$

In: -23.471 ± 0.018 $\chi^2/\text{NDF}: 262171.9/26$

Out: -22.226 ± 0.015 $\chi^2/\text{NDF}: 732426.3/30$

All: -22.746 ± 0.012 $\chi^2/\text{NDF}: 997322.0/57$

dit_atr1_4aY_slope vs Slug, Sign Corrected



Right In: 13.238+/-0.000 χ^2/NDF : 5756.1/16

Left Out: 13.234+/-0.017 χ^2/NDF : 3654.4/11

Right Out: -66.739+/-0.000 χ^2/NDF : 3023648.4/18

Left In: 13.416+/-0.019 χ^2/NDF : 4320.6/9

Left: 13.315+/-0.013 χ^2/NDF : 8024.3/21

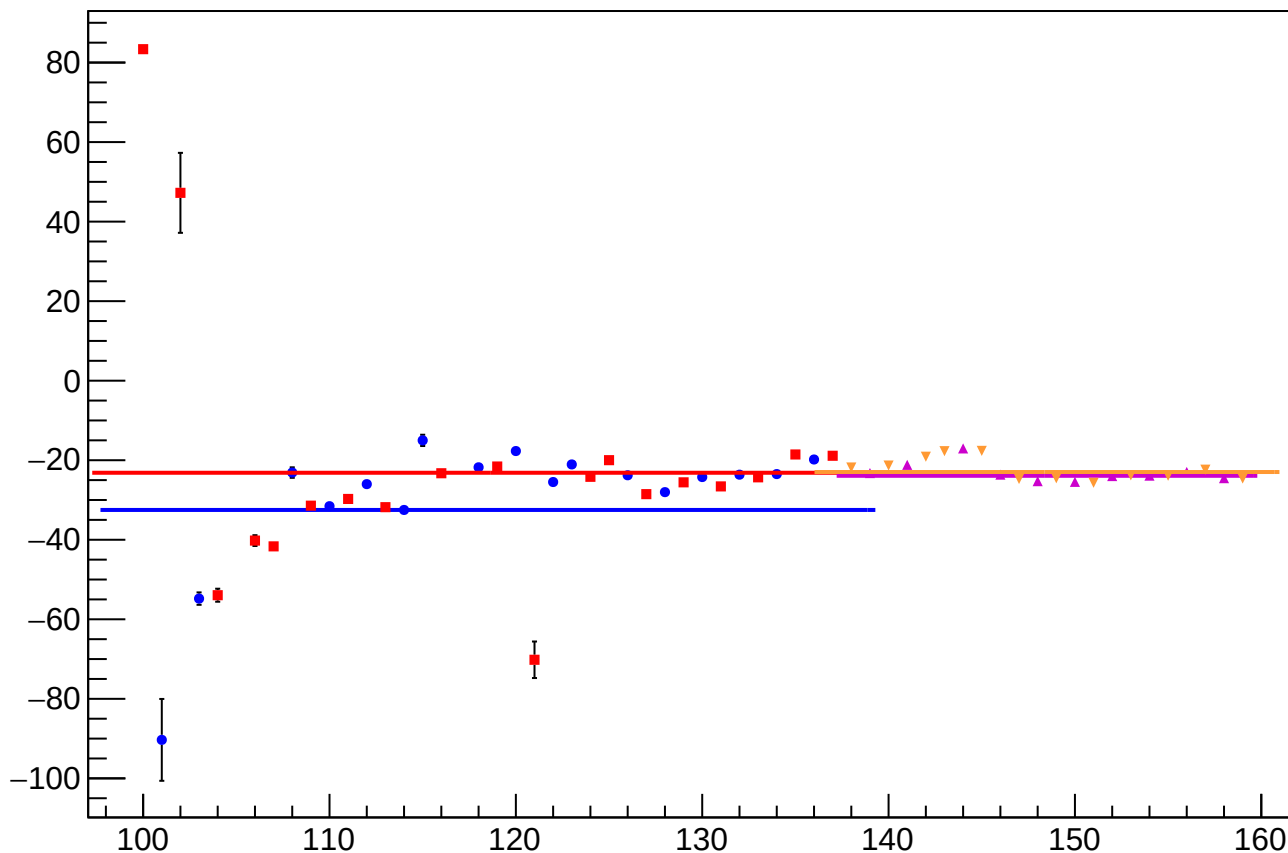
Right: 12.562+/-0.000 χ^2/NDF : 1884310027651005

In: 13.238+/-0.000 χ^2/NDF : 10161.7/26

Out: -66.739+/-0.000 χ^2/NDF : 24332017.8/30

All: 12.562+/-0.000 χ^2/NDF : 1884310027651

dit_atr1_4eY_slope vs Slug, Sign Corrected



Right In: -32.504 ± 0.000 χ^2/NDF : 74187.4/16

Left Out: -22.965 ± 0.023 χ^2/NDF : 11399.7/11

Right Out: -23.151 ± 0.048 χ^2/NDF : 90749.4/18

Left In: -23.913 ± 0.021 χ^2/NDF : 5956.5/9

Left: -23.483 ± 0.016 χ^2/NDF : 18268.1/21

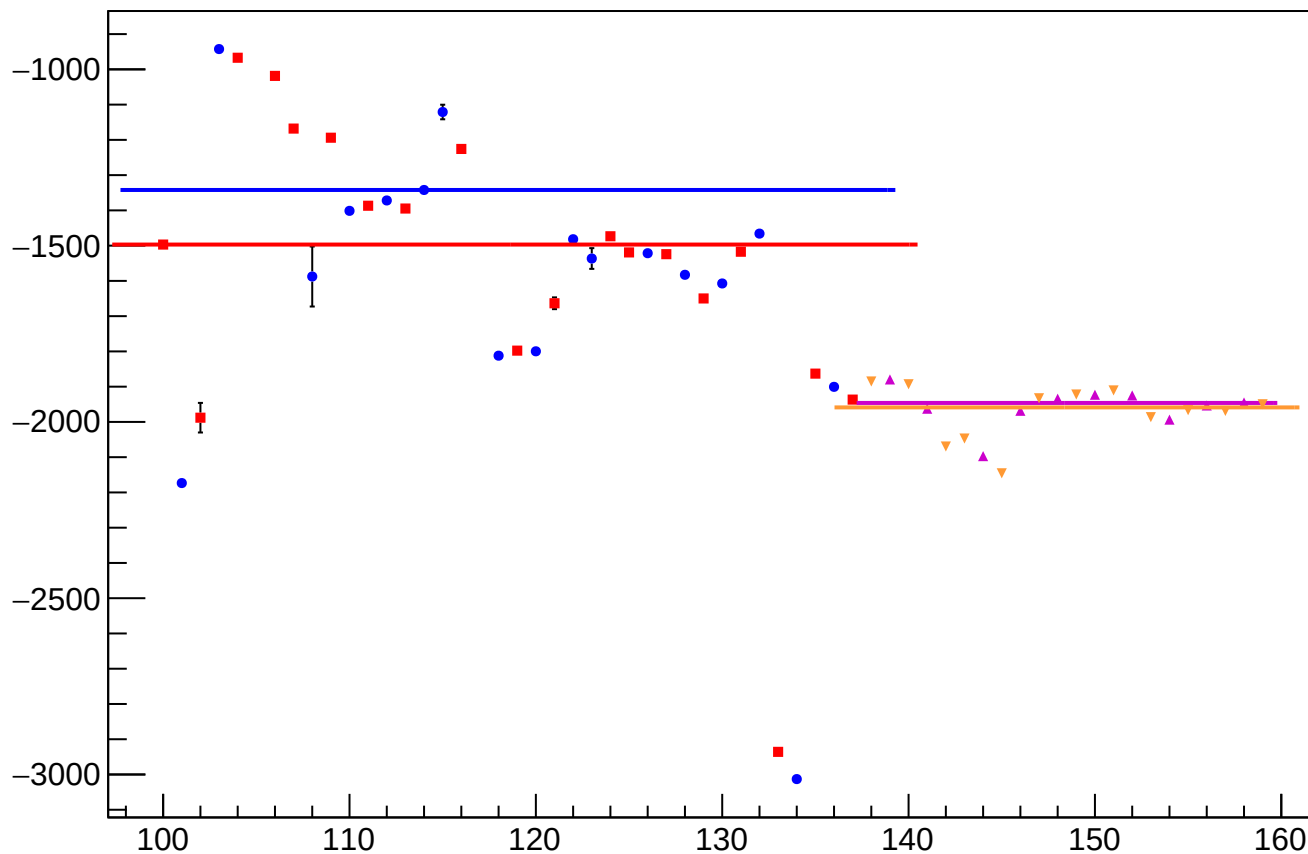
Right: -32.504 ± 0.000 χ^2/NDF : 203519.3/35

In: -32.504 ± 0.000 χ^2/NDF : 245224.0/26

Out: -23.001 ± 0.021 χ^2/NDF : 102161.4/30

All: -32.504 ± 0.000 χ^2/NDF : 554971.2/57

dit_atr2_4aX_slope vs Slug, Sign Corrected



Right In: -1342.107 ± 0.000 χ^2/NDF : 370901.4/16

Left Out: -1958.833 ± 0.452 χ^2/NDF : 14207.3/11

Right Out: -1496.932 ± 0.000 χ^2/NDF : 504712.5/18

Left In: -1946.152 ± 0.382 χ^2/NDF : 15641.0/9

Left: -1951.449 ± 0.292 χ^2/NDF : 30307.6/21

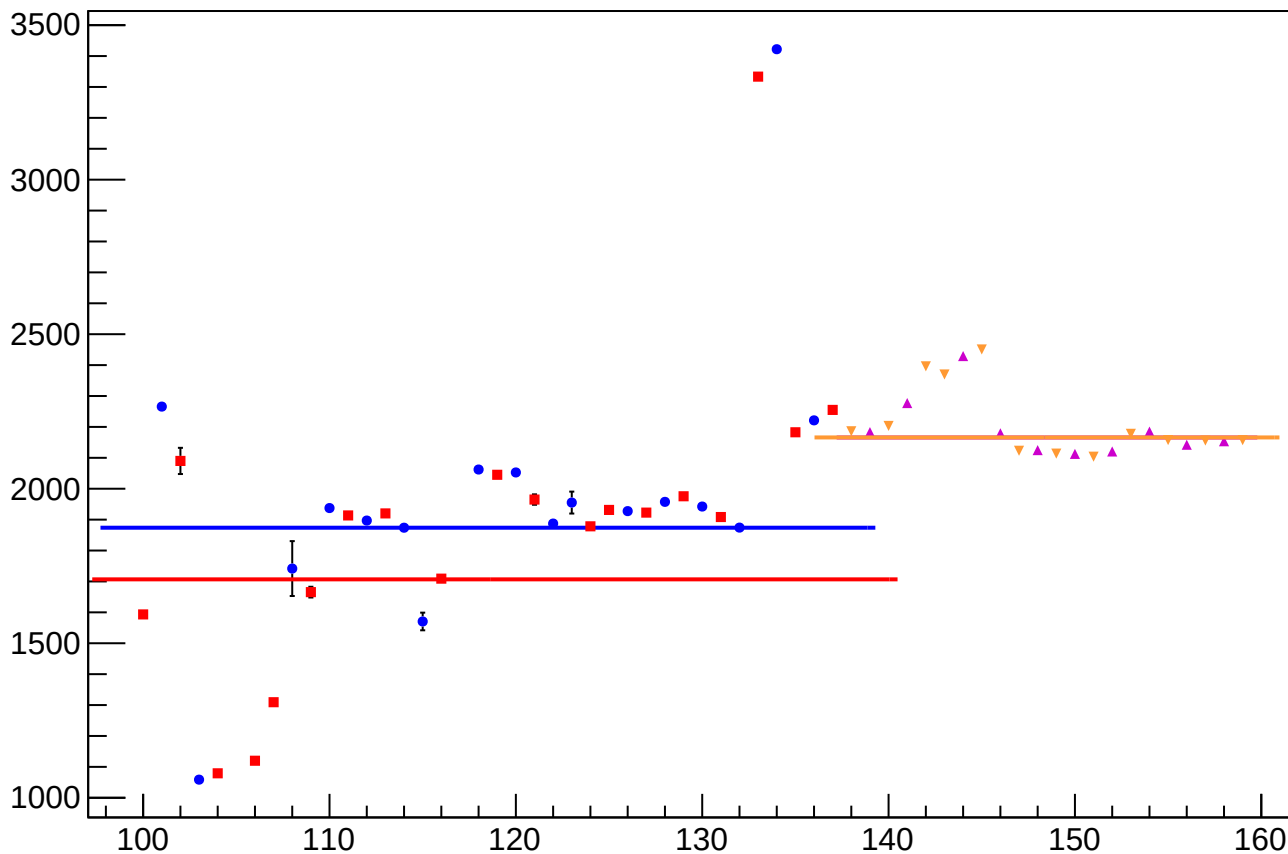
Right: -1396.751 ± 0.000 χ^2/NDF : 1800086126763

In: -1342.107 ± 0.000 χ^2/NDF : 2881243.6/26

Out: -1496.932 ± 0.000 χ^2/NDF : 1565368.8/30

All: -1396.751 ± 0.000 χ^2/NDF : 1800086126

dit_atr2_4eX_slope vs Slug, Sign Corrected



Right In: 1873.852 ± 0.000 χ^2/NDF : 201563.9/16

Left Out: 2165.944 ± 0.455 χ^2/NDF : 27231.4/11

Right Out: 1706.739 ± 0.302 χ^2/NDF : 837936.9/18

Left In: 2165.737 ± 0.383 χ^2/NDF : 35801.6/9

Left: 2165.823 ± 0.293 χ^2/NDF : 63033.1/21

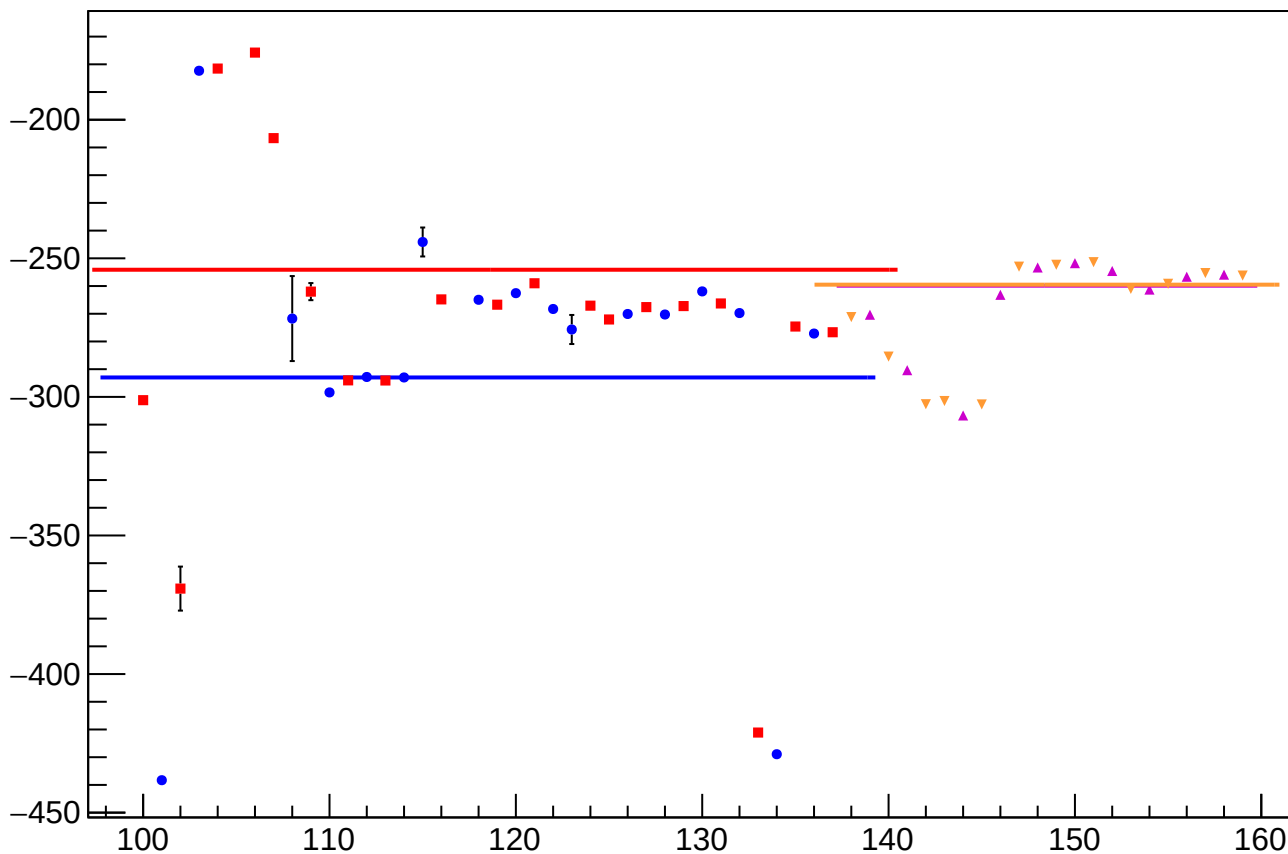
Right: 1873.852 ± 0.000 χ^2/NDF : 1344906.8/35

In: 1873.852 ± 0.000 χ^2/NDF : 818521.6/26

Out: 1847.469 ± 0.252 χ^2/NDF : 1571894.5/30

All: 1873.852 ± 0.000 χ^2/NDF : 2401391.7/57

dit_atr2_11X12X_slope vs Slug, Sign Corrected



Right In: -292.986+/-0.000 χ^2/NDF : 1015592.4/16

Left Out: -259.506+/-0.025 χ^2/NDF :192891.0/11

Right Out: -254.119+/-0.059 χ^2/NDF : 502658.5/18

Left In: -259.881+/-0.022 χ^2/NDF :238863.5/9

Left: -259.723+/-0.017 χ^2/NDF : 431880.4/21

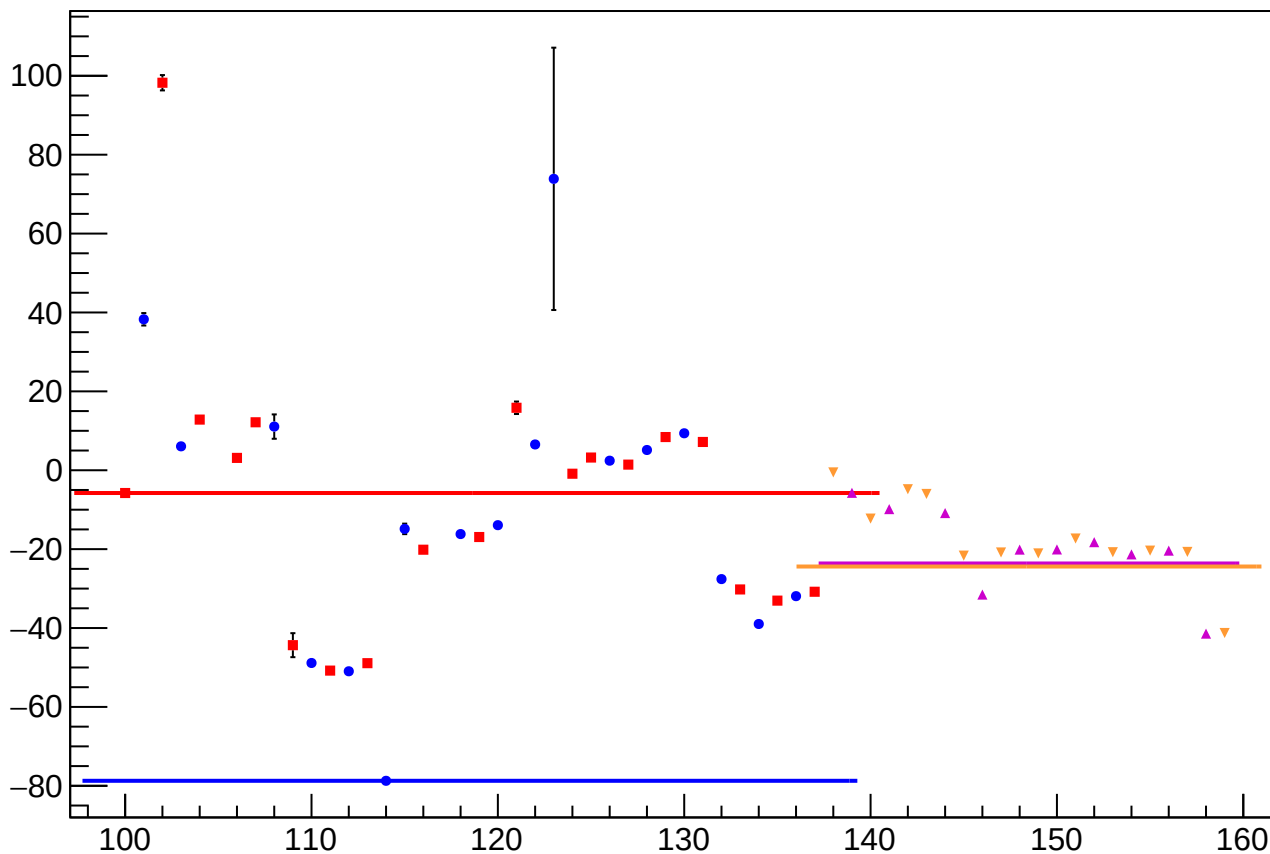
Right: -292.986+/-0.000 χ^2/NDF : 1952225.7/35

In: -292.986+/-0.000 χ^2/NDF :3574165.6/26

Out: -258.663+/-0.023 χ^2/NDF :702583.1/30

All: -292.986+/-0.000 χ^2/NDF : 6439464.0/57

dit_atr2_4aY_slope vs Slug, Sign Corrected



Right In: -78.728 ± 0.000 $\chi^2/\text{NDF}: 1399088.3/16$

Left Out: -24.405 ± 0.026 $\chi^2/\text{NDF}: 159201.8/11$

Right Out: -5.769 ± 0.000 $\chi^2/\text{NDF}: 111570.1/18$

Left In: -23.635 ± 0.022 $\chi^2/\text{NDF}: 215291.2/9$

Left: -23.955 ± 0.017 $\chi^2/\text{NDF}: 374995.1/21$

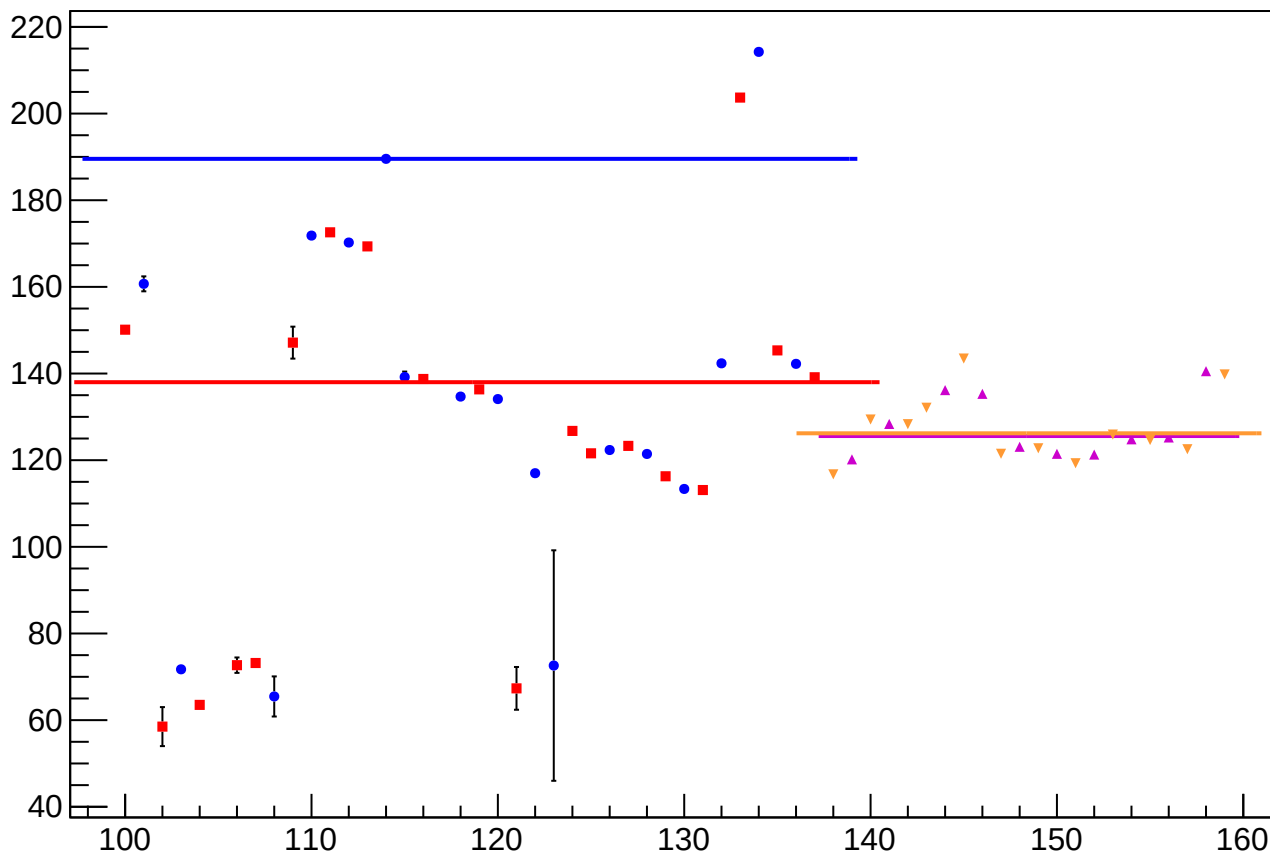
Right: -6.288 ± 0.000 $\chi^2/\text{NDF}: 2878797679293380$

In: -78.728 ± 0.000 $\chi^2/\text{NDF}: 7798717.3/26$

Out: -5.769 ± 0.000 $\chi^2/\text{NDF}: 774126.5/30$

All: -6.288 ± 0.000 $\chi^2/\text{NDF}: 2878797679293$

dit_atr2_4eY_slope vs Slug, Sign Corrected



Right In: 189.551±/-0.000 χ^2/NDF : 927391.8/16

Left Out: 126.206±/-0.030 χ^2/NDF : 46970.5/11

Right Out: 138.002±/-0.059 χ^2/NDF : 117357.8/18

Left In: 125.575±/-0.033 χ^2/NDF : 32119.5/9

Left: 125.920±/-0.022 χ^2/NDF : 79286.2/21

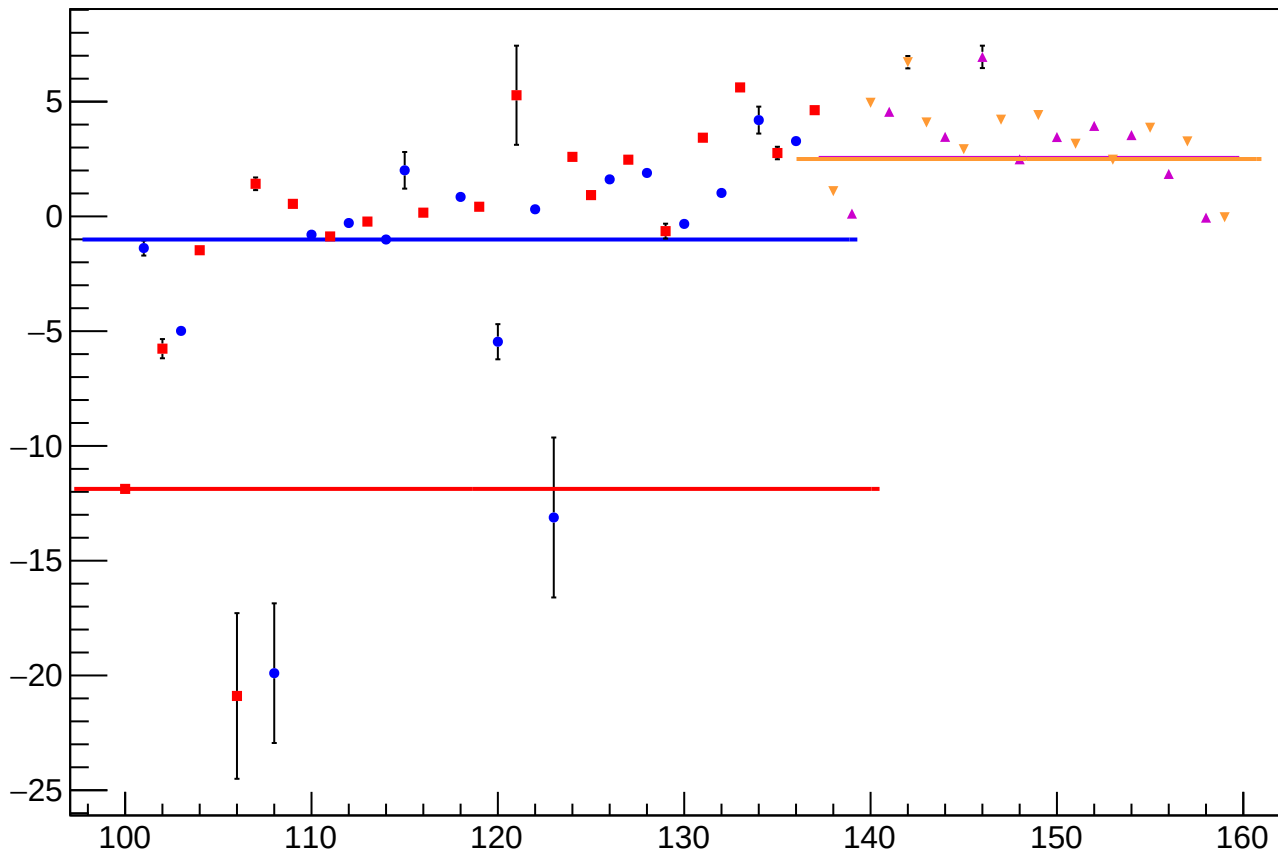
Right: 189.551±/-0.000 χ^2/NDF : 1806450.5/35

In: 189.551±/-0.000 χ^2/NDF : 4649414.5/26

Out: 128.665±/-0.027 χ^2/NDF : 195899.9/30

All: 189.551±/-0.000 χ^2/NDF : 9942602.6/57

dit_sam1_4aX_slope vs Slug, Sign Corrected



Right In: -1.007 ± 0.000 χ^2/NDF : 7057.7/16

Left Out: 2.500 ± 0.028 χ^2/NDF : 4720.6/11

Right Out: -11.872 ± 0.000 χ^2/NDF : 503632.2/18

Left In: 2.548 ± 0.021 χ^2/NDF : 5839.0/9

Left: 2.531 ± 0.017 χ^2/NDF : 10561.5/21

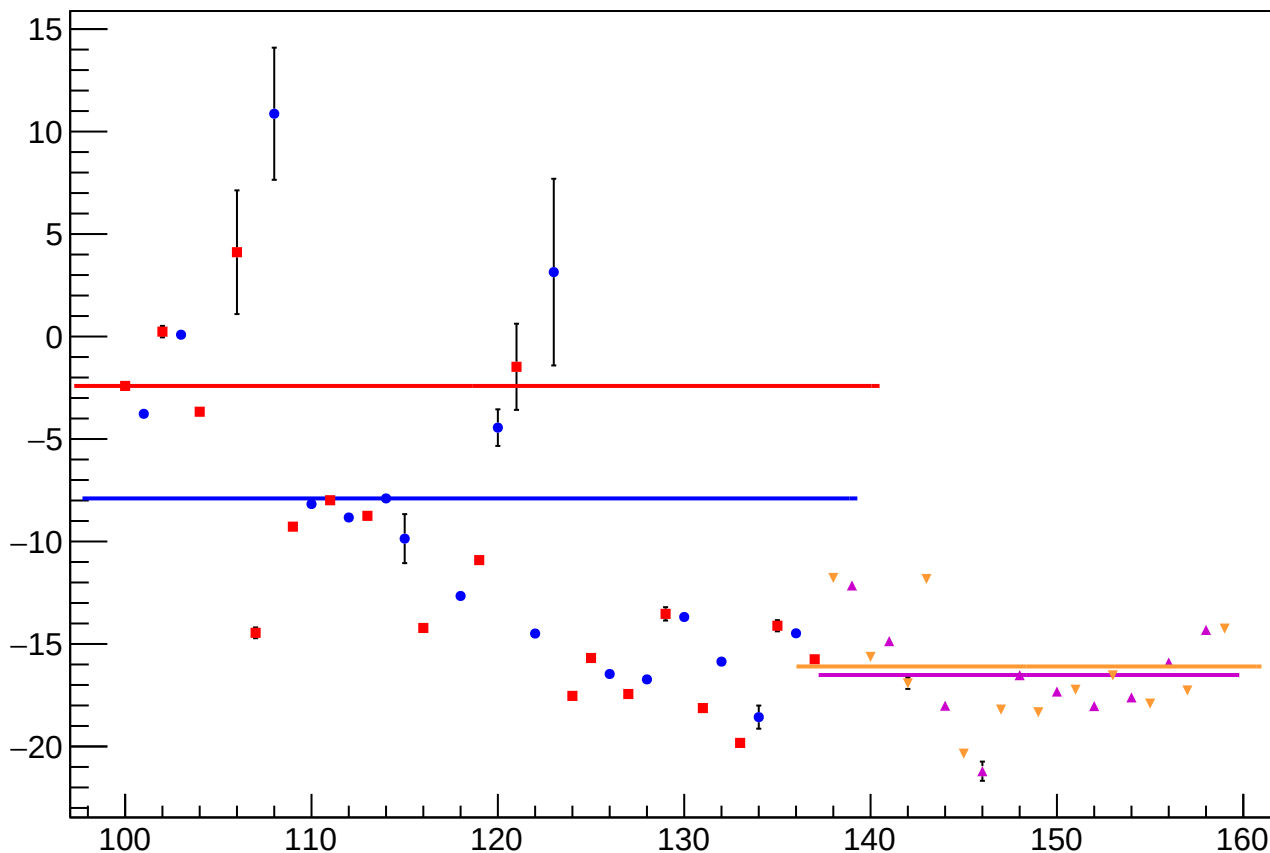
Right: -1.365 ± 0.000 χ^2/NDF : 2170760676638215

In: -1.007 ± 0.000 χ^2/NDF : 42814.6/26

Out: -11.872 ± 0.000 χ^2/NDF : 774231.6/30

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: -16.098 ± 0.028 χ^2/NDF : 5971.7/11

Right Out: -2.410 ± 0.000 χ^2/NDF : 203043.8/18

Left In: -16.513 ± 0.022 χ^2/NDF : 4864.5/9

Left: -16.354 ± 0.017 χ^2/NDF : 10976.0/21

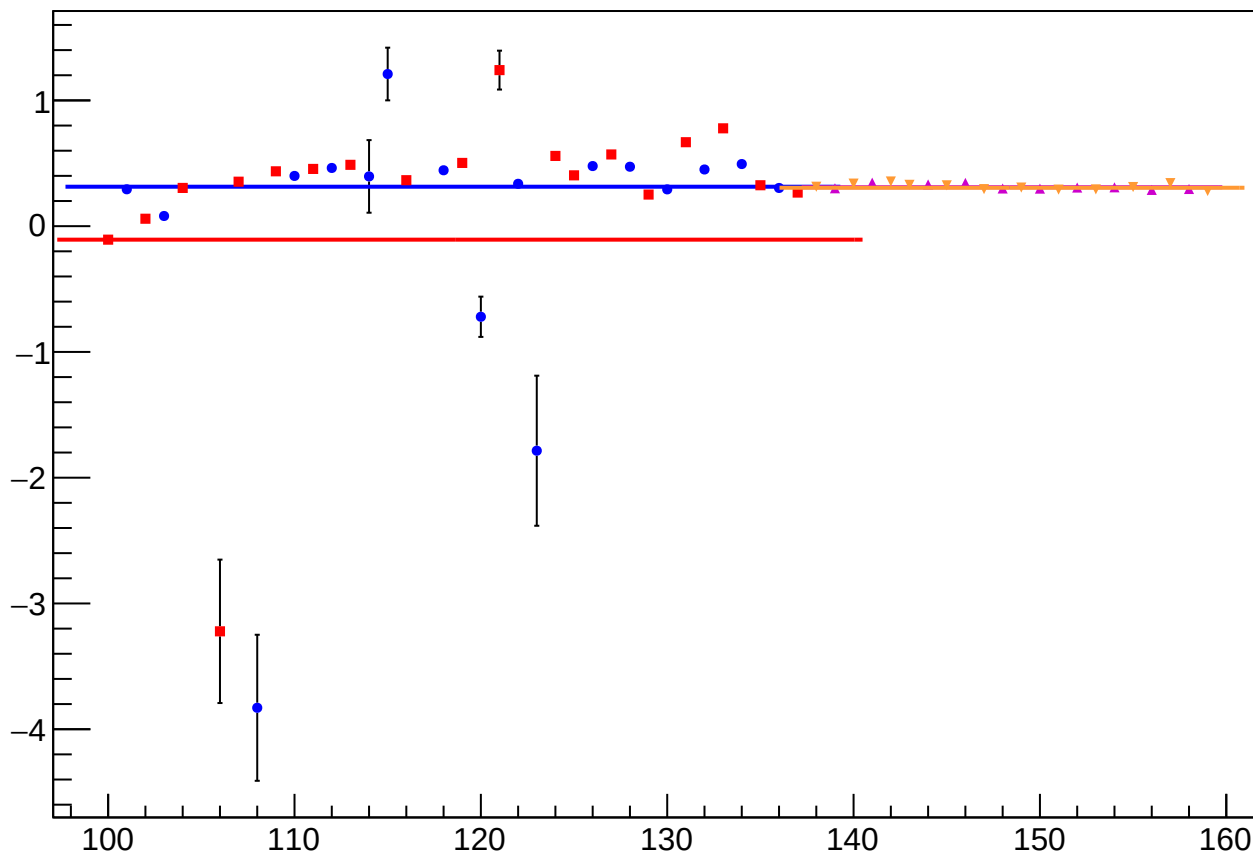
Right: -4.135 ± 0.000 χ^2/NDF : 2879850560728951

In: -7.899 ± 0.000 χ^2/NDF : 200511.5/26

Out: -2.410 ± 0.000 χ^2/NDF : 454956.1/30

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: 0.305 ± 0.000 $\chi^2/\text{NDF}: 3025.9/11$

Right Out: -0.107 ± 0.000 $\chi^2/\text{NDF}: 219932.8/18$

Left In: 0.310 ± 0.000 $\chi^2/\text{NDF}: 1995.6/9$

Left: 0.308 ± 0.000 $\chi^2/\text{NDF}: 5089.6/21$

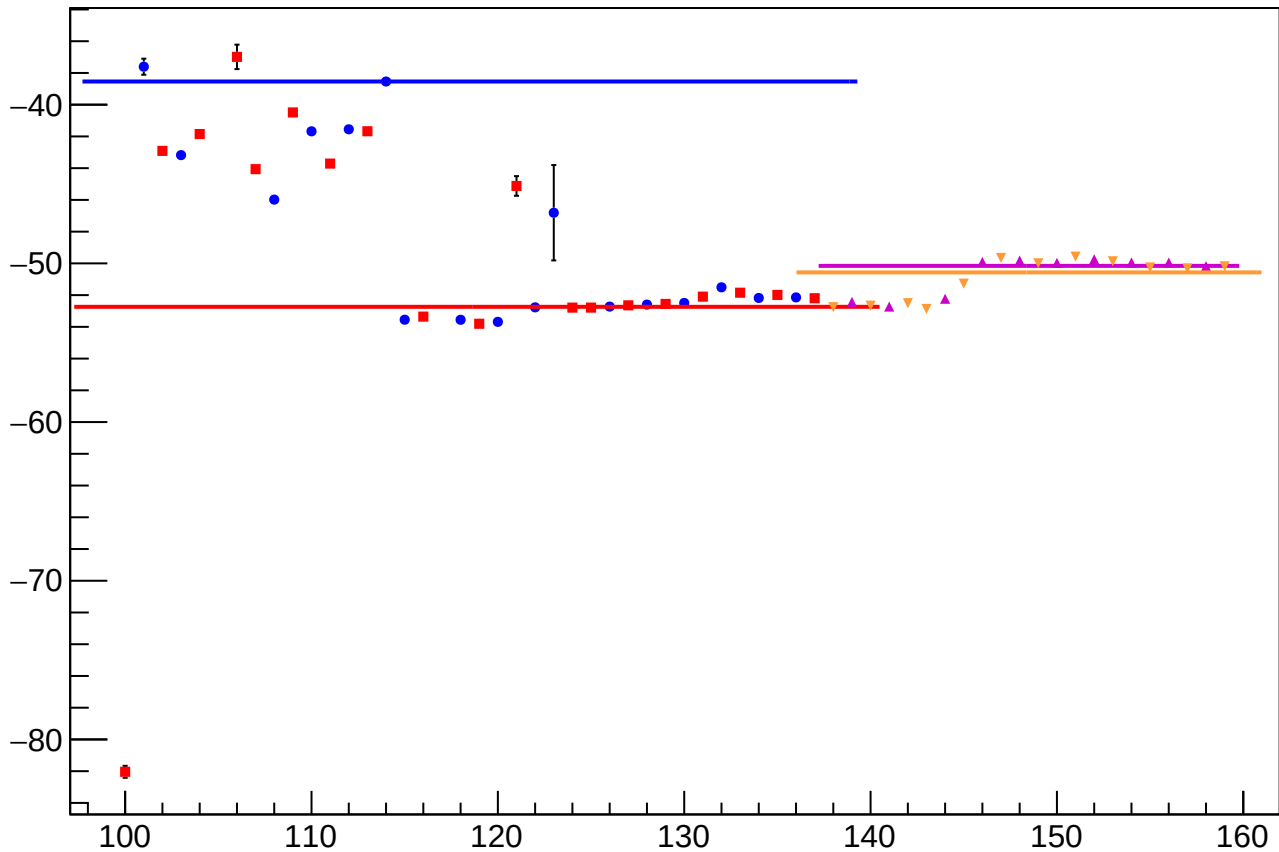
Right: -0.107 ± 0.000 $\chi^2/\text{NDF}: 409026.8/35$

In: 0.310 ± 0.000 $\chi^2/\text{NDF}: 4760.2/26$

Out: -0.107 ± 0.000 $\chi^2/\text{NDF}: 1508822.1/30$

All: -0.107 ± 0.000 $\chi^2/\text{NDF}: 3251304.9/57$

dit_sam1_4aY_slope vs Slug, Sign Corrected



Right In: -38.539 ± 0.000 $\chi^2/\text{NDF}: 14950854.6/16$

Left Out: -50.568 ± 0.002 $\chi^2/\text{NDF}: 223601.0/11$

Right Out: -52.737 ± 0.002 $\chi^2/\text{NDF}: 87430.2/18$

Left In: -50.157 ± 0.002 $\chi^2/\text{NDF}: 153636.3/9$

Left: -50.299 ± 0.001 $\chi^2/\text{NDF}: 396174.1/21$

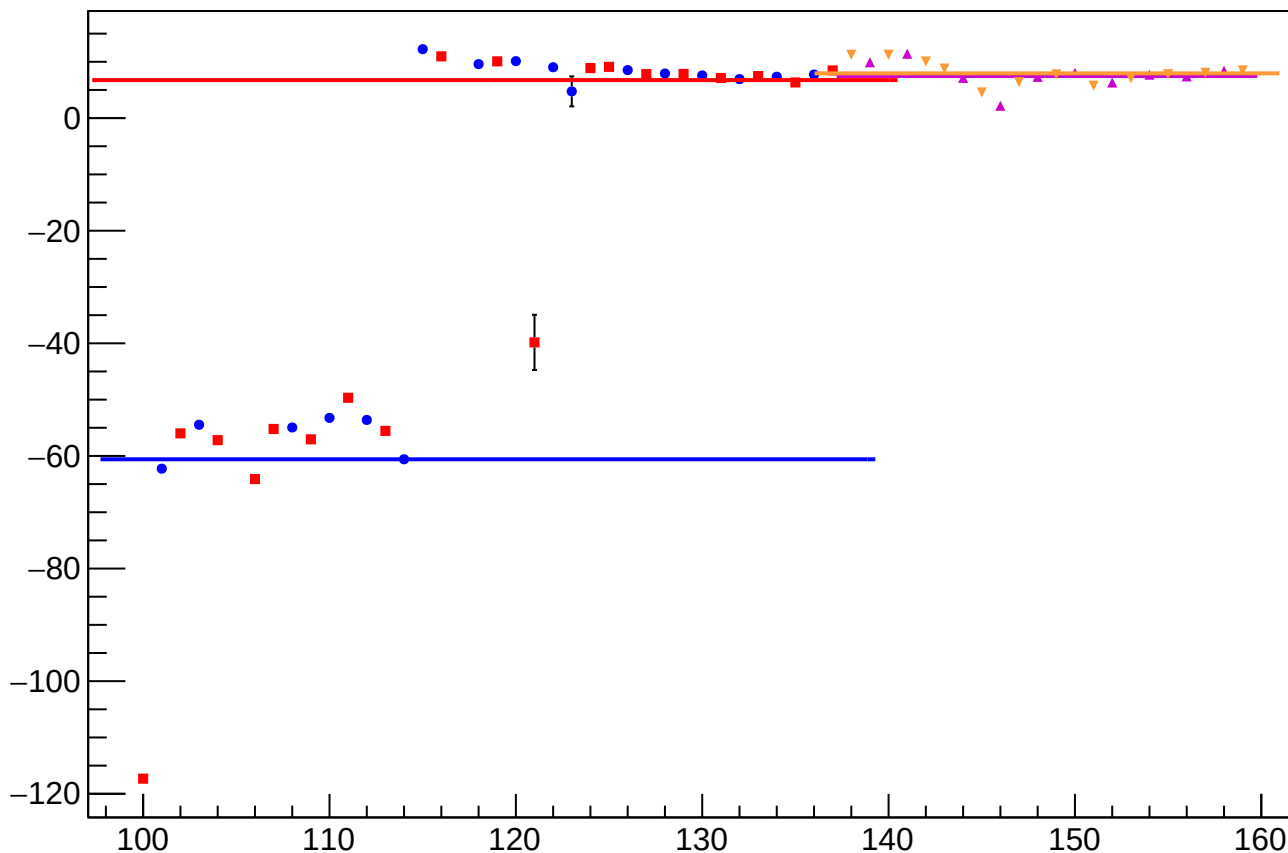
Right: -38.539 ± 0.000 $\chi^2/\text{NDF}: 72100834.2/35$

In: -38.539 ± 0.000 $\chi^2/\text{NDF}: 59058568.8/26$

Out: -51.919 ± 0.001 $\chi^2/\text{NDF}: 812903.7/30$

All: -38.539 ± 0.000 $\chi^2/\text{NDF}: 141202889.7/5$

dit_sam1_4eY_slope vs Slug, Sign Corrected



Right In: -60.594 ± 0.000 χ^2/NDF : 26122838.1/16

Left Out: 7.947 ± 0.005 χ^2/NDF : 74042.2/11

Right Out: 6.748 ± 0.011 χ^2/NDF : 1266598.3/18

Left In: 7.482 ± 0.004 χ^2/NDF : 111772.1/9

Left: 7.667 ± 0.003 χ^2/NDF : 191690.8/21

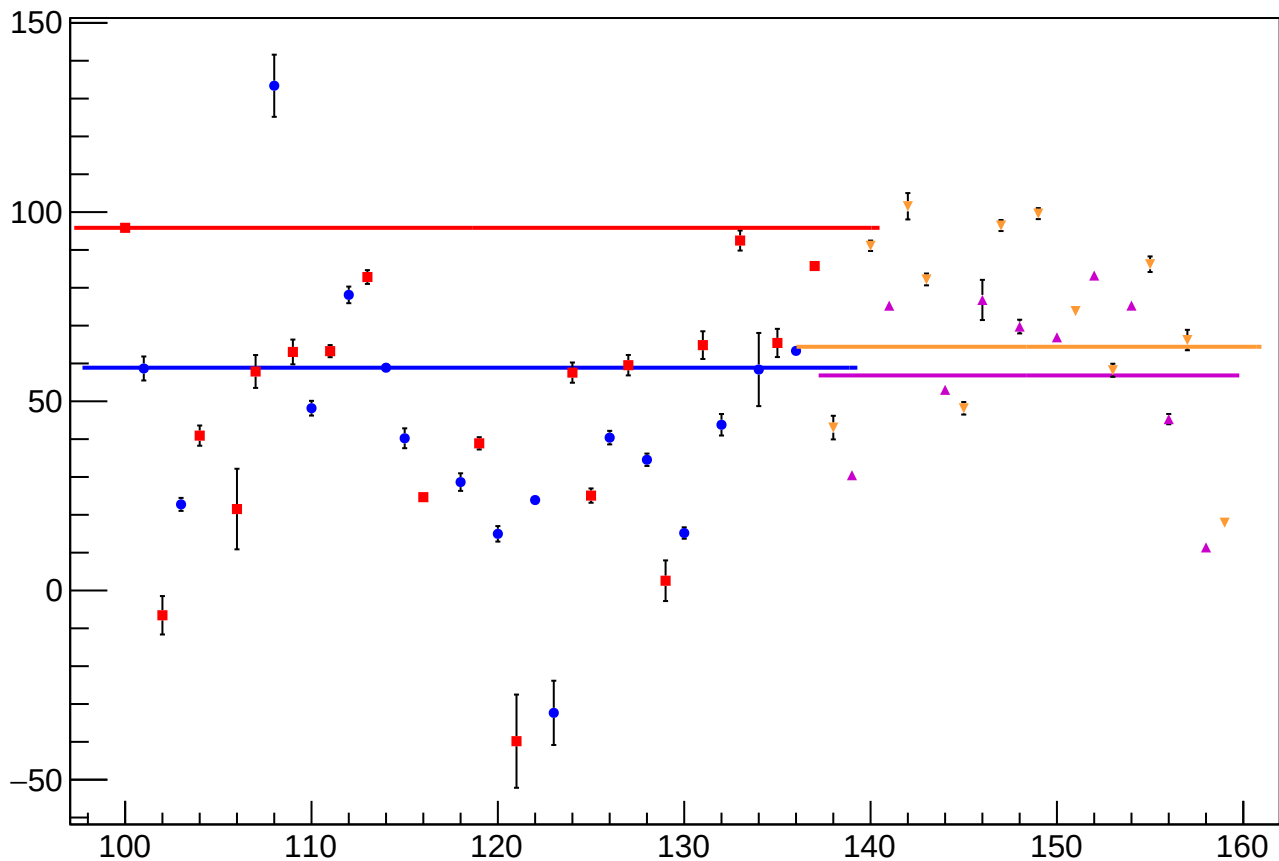
Right: -60.594 ± 0.000 χ^2/NDF : 64778482.9/35

In: -60.594 ± 0.000 χ^2/NDF : 342964245.6/26

Out: 7.762 ± 0.004 χ^2/NDF : 1350656.1/30

All: -60.594 ± 0.000 χ^2/NDF : 594482742.4/5

dit_sam2_4aX_slope vs Slug, Sign Corrected



Right In: 58.880+/-0.000 χ^2/NDF : 3814.7/16

Left Out: 64.408+/-0.447 χ^2/NDF : 4683.4/11

Right Out: 95.846+/-0.000 χ^2/NDF : 39385.0/18

Left In: 56.835+/-0.339 χ^2/NDF : 4439.7/9

Left: 59.602+/-0.270 χ^2/NDF : 9305.6/21

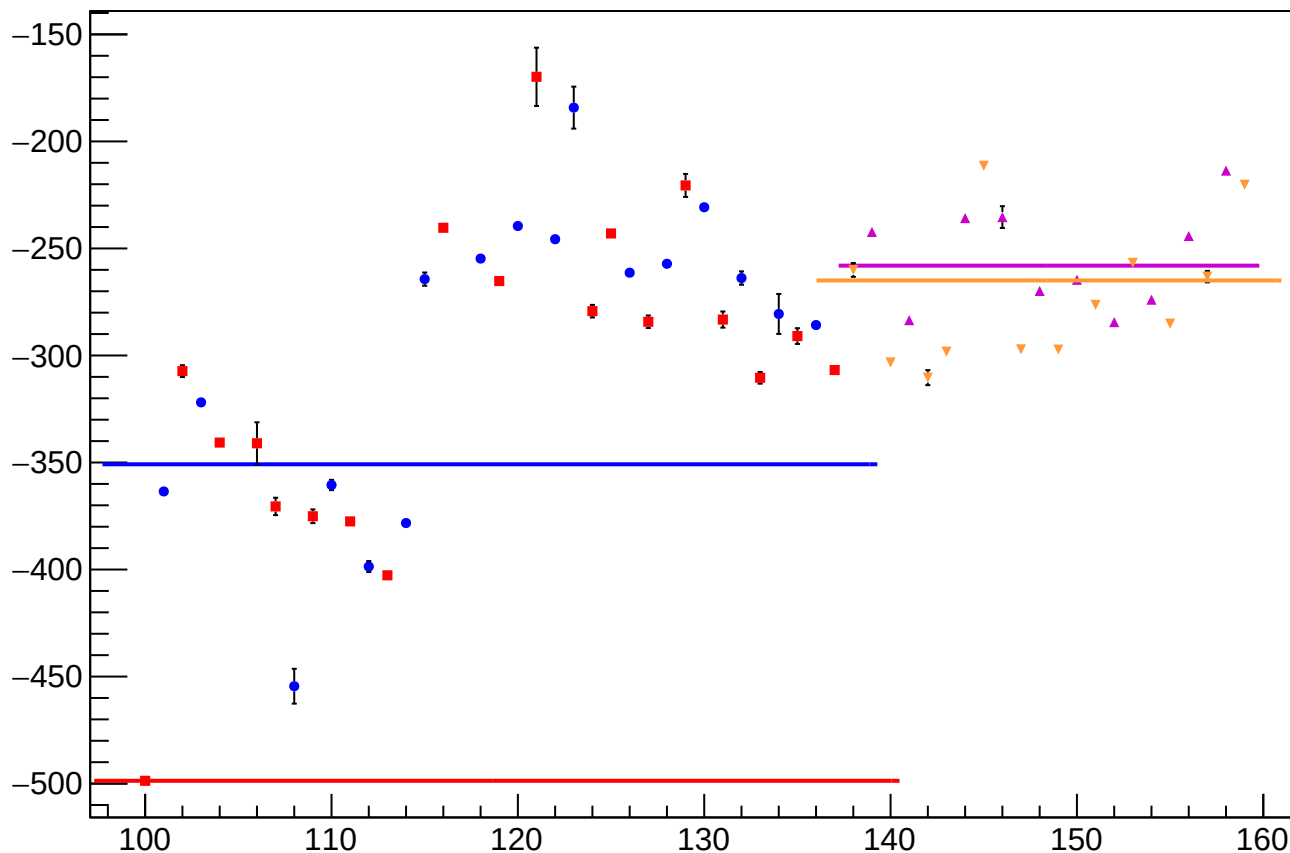
Right: 60.098+/-0.000 χ^2/NDF : 9815233945666380

In: 58.880+/-0.000 χ^2/NDF : 8290.8/26

Out: 95.846+/-0.000 χ^2/NDF : 49022.9/30

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: -264.952 ± 0.439 $\chi^2/\text{NDF}: 6300.2/11$

Right Out: -498.692 ± 0.000 $\chi^2/\text{NDF}: 511870.8/18$

Left In: -258.035 ± 0.345 $\chi^2/\text{NDF}: 4038.1/9$

Left: -260.669 ± 0.271 $\chi^2/\text{NDF}: 10491.7/21$

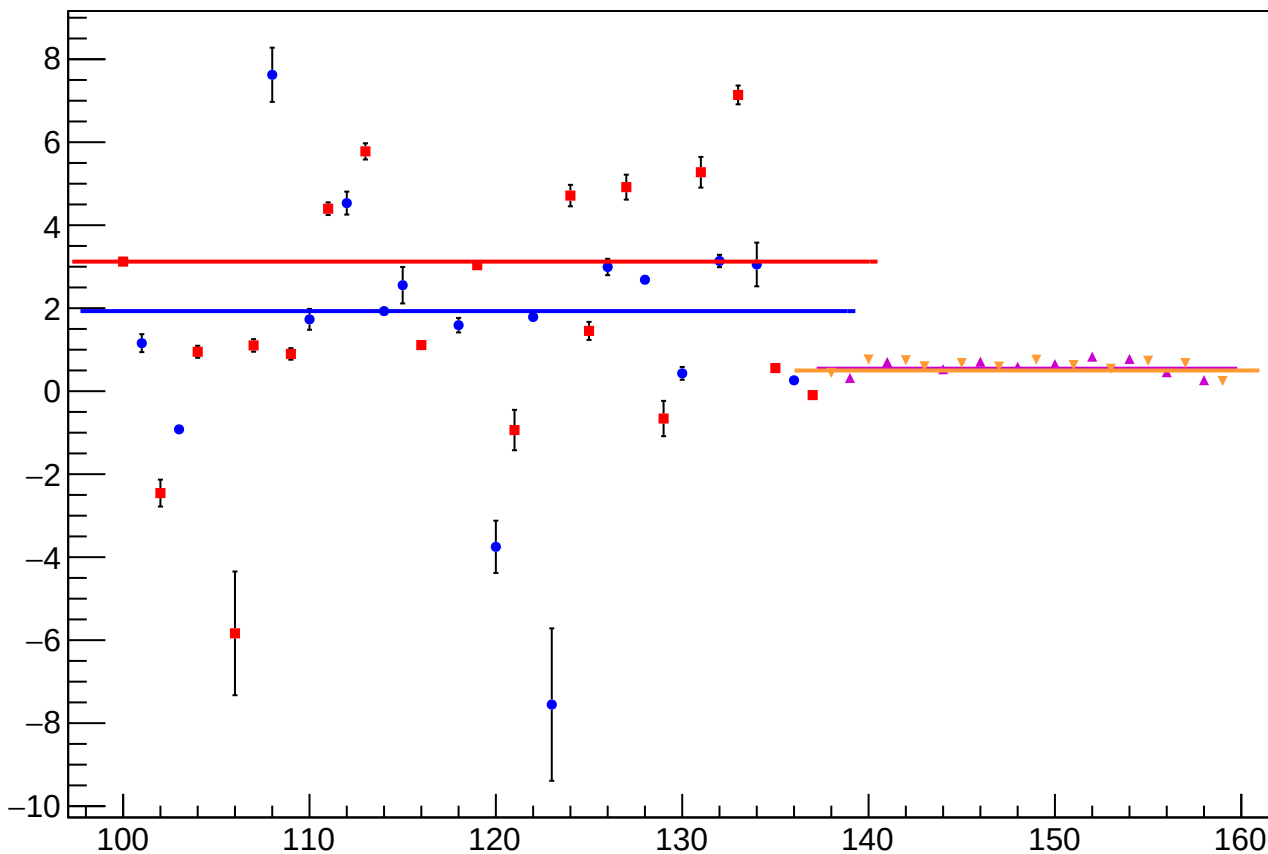
Right: -498.692 ± 0.000 $\chi^2/\text{NDF}: 918780.8/35$

In: -319.746 ± 0.199 $\chi^2/\text{NDF}: 93583.0/26$

Out: -498.692 ± 0.000 $\chi^2/\text{NDF}: 801169.3/30$

All: -498.692 ± 0.000 $\chi^2/\text{NDF}: 1700032.0/57$

dit_sam2_11X12X_slope vs Slug, Sign Corrected



Right In: 1.930 ± 0.000 $\chi^2/\text{NDF}: 59970.9/16$

Left Out: 0.499 ± 0.003 $\chi^2/\text{NDF}: 7214.0/11$

Right Out: 3.123 ± 0.000 $\chi^2/\text{NDF}: 512565.5/18$

Left In: 0.542 ± 0.002 $\chi^2/\text{NDF}: 10903.4/9$

Left: 0.524 ± 0.002 $\chi^2/\text{NDF}: 18286.1/21$

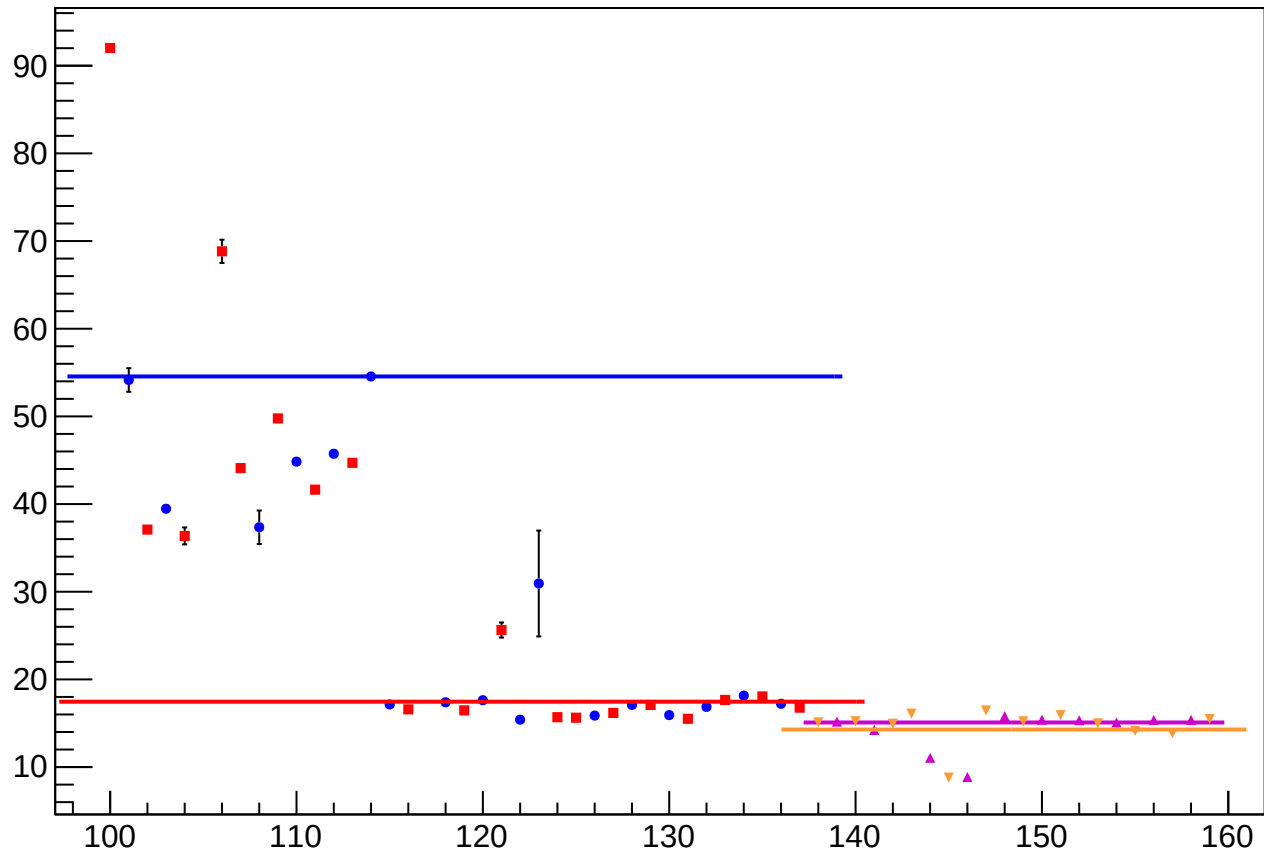
Right: 2.073 ± 0.000 $\chi^2/\text{NDF}: 38099534578085305$

In: 1.930 ± 0.000 $\chi^2/\text{NDF}: 480325.6/26$

Out: 3.123 ± 0.000 $\chi^2/\text{NDF}: 1603346.5/30$

All: 2.073 ± 0.000 $\chi^2/\text{NDF}: 38099534578085305$

dit_sam2_4aY_slope vs Slug, Sign Corrected



Right In: 54.556+/-0.000 χ^2/NDF : 7238433.0/16

Left Out: 14.280+/-0.009 χ^2/NDF : 80827.8/11

Right Out: 17.458+/-0.018 χ^2/NDF : 99308.5/18

Left In: 15.087+/-0.009 χ^2/NDF : 7922.1/9

Left: 14.668+/-0.007 χ^2/NDF : 92555.8/21

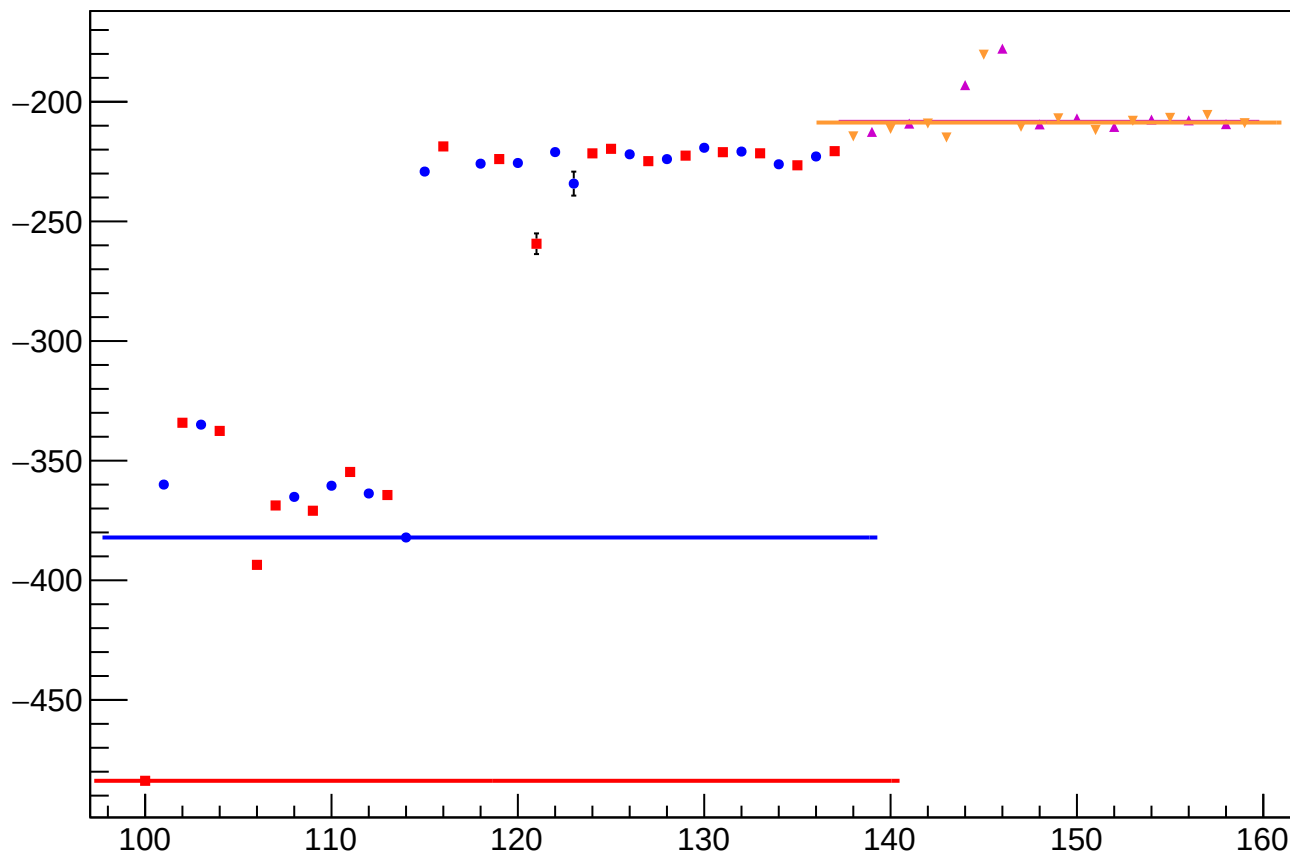
Right: 54.556+/-0.000 χ^2/NDF : 11453944.4/35

In: 54.556+/-0.000 χ^2/NDF : 24737300.7/26

Out: 14.907+/-0.008 χ^2/NDF : 204388.5/30

All: 54.556+/-0.000 χ^2/NDF : 48762265.3/57

dit_sam2_4eY_slope vs Slug, Sign Corrected



Right In: -382.108 ± 0.000 $\chi^2/\text{NDF}: 18398024.3/16$

Left Out: -208.677 ± 0.020 $\chi^2/\text{NDF}: 59933.5/11$

Right Out: -483.800 ± 0.000 $\chi^2/\text{NDF}: 24338683.6/18$

Left In: -208.387 ± 0.019 $\chi^2/\text{NDF}: 13970.4/9$

Left: -208.524 ± 0.014 $\chi^2/\text{NDF}: 74014.4/21$

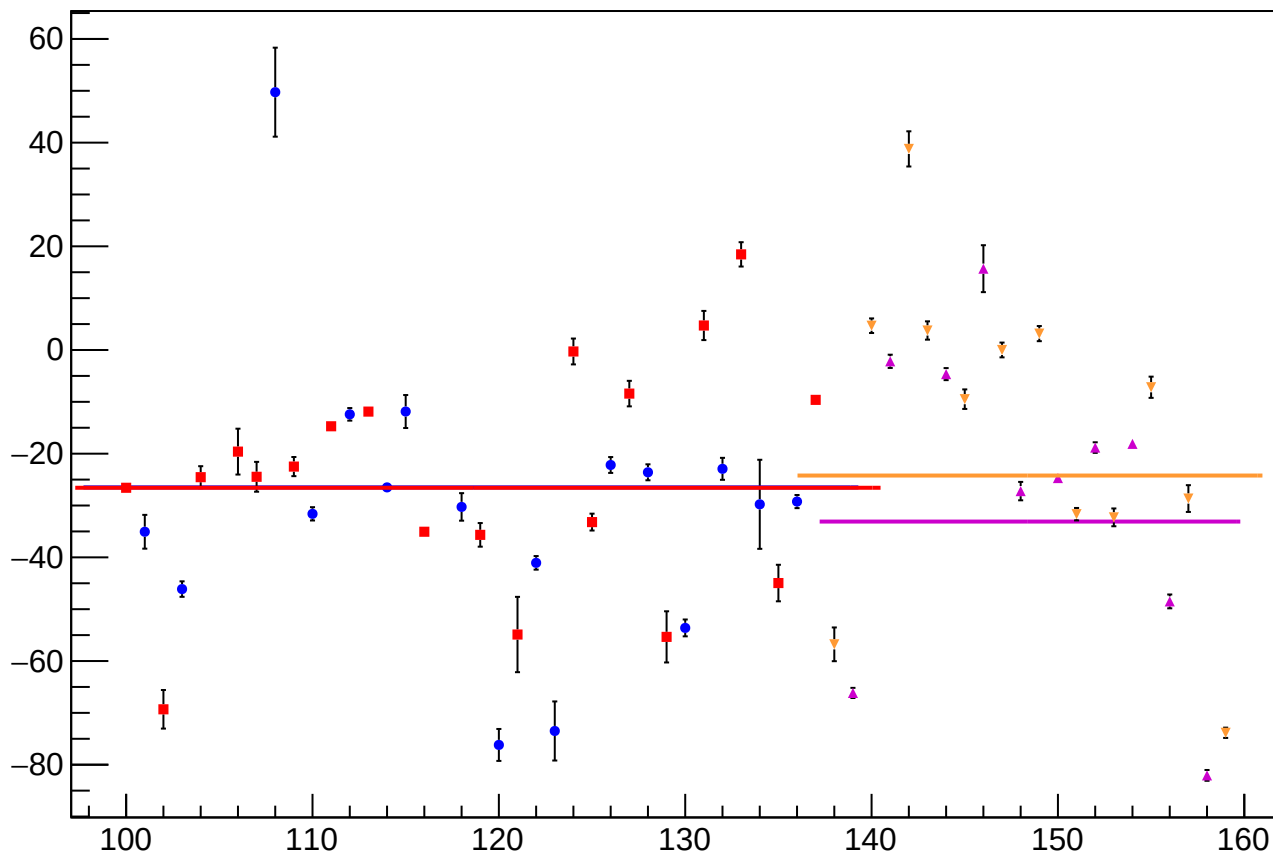
Right: -417.999 ± 0.000 $\chi^2/\text{NDF}: 12425488813367$

In: -382.108 ± 0.000 $\chi^2/\text{NDF}: 102194276.7/26$

Out: -483.800 ± 0.000 $\chi^2/\text{NDF}: 213043264.7/30$

All: -417.999 ± 0.000 $\chi^2/\text{NDF}: 12425488813$

dit_sam3_4aX_slope vs Slug, Sign Corrected



Right In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 1180.7/16$

Left Out: -24.217 ± 0.462 $\chi^2/\text{NDF}: 4449.0/11$

Right Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 2640.9/18$

Left In: -33.096 ± 0.354 $\chi^2/\text{NDF}: 5346.9/9$

Left: -29.811 ± 0.281 $\chi^2/\text{NDF}: 10028.6/21$

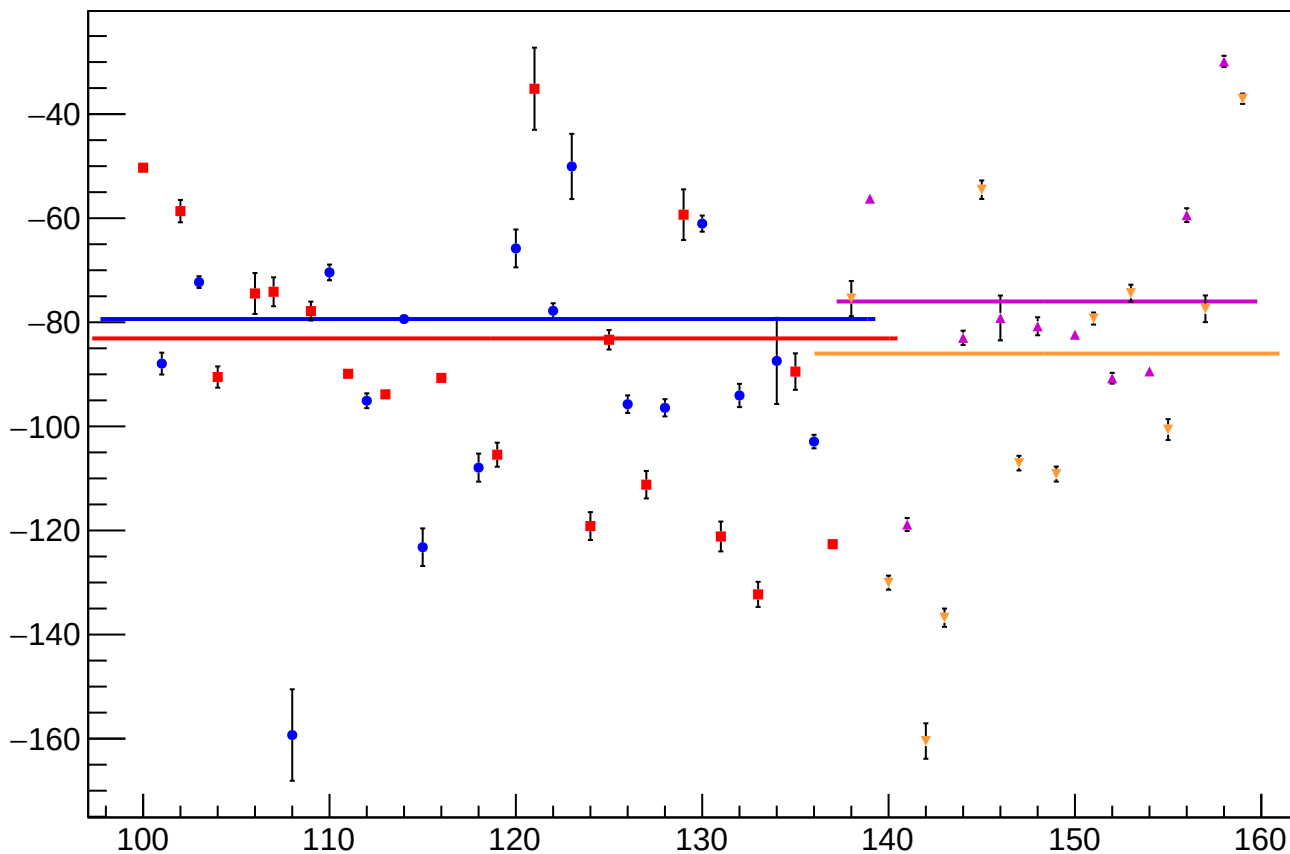
Right: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654659$

In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 6874.2/26$

Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 7116.0/30$

All: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654$

dit_sam3_4eX_slope vs Slug, Sign Corrected



Right In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 1304.6/16$

Left Out: -86.017 ± 0.453 $\chi^2/\text{NDF}: 5772.0/11$

Right Out: -83.099 ± 0.178 $\chi^2/\text{NDF}: 11915.8/18$

Left In: -76.002 ± 0.351 $\chi^2/\text{NDF}: 4141.8/9$

Left: -79.765 ± 0.277 $\chi^2/\text{NDF}: 10219.4/21$

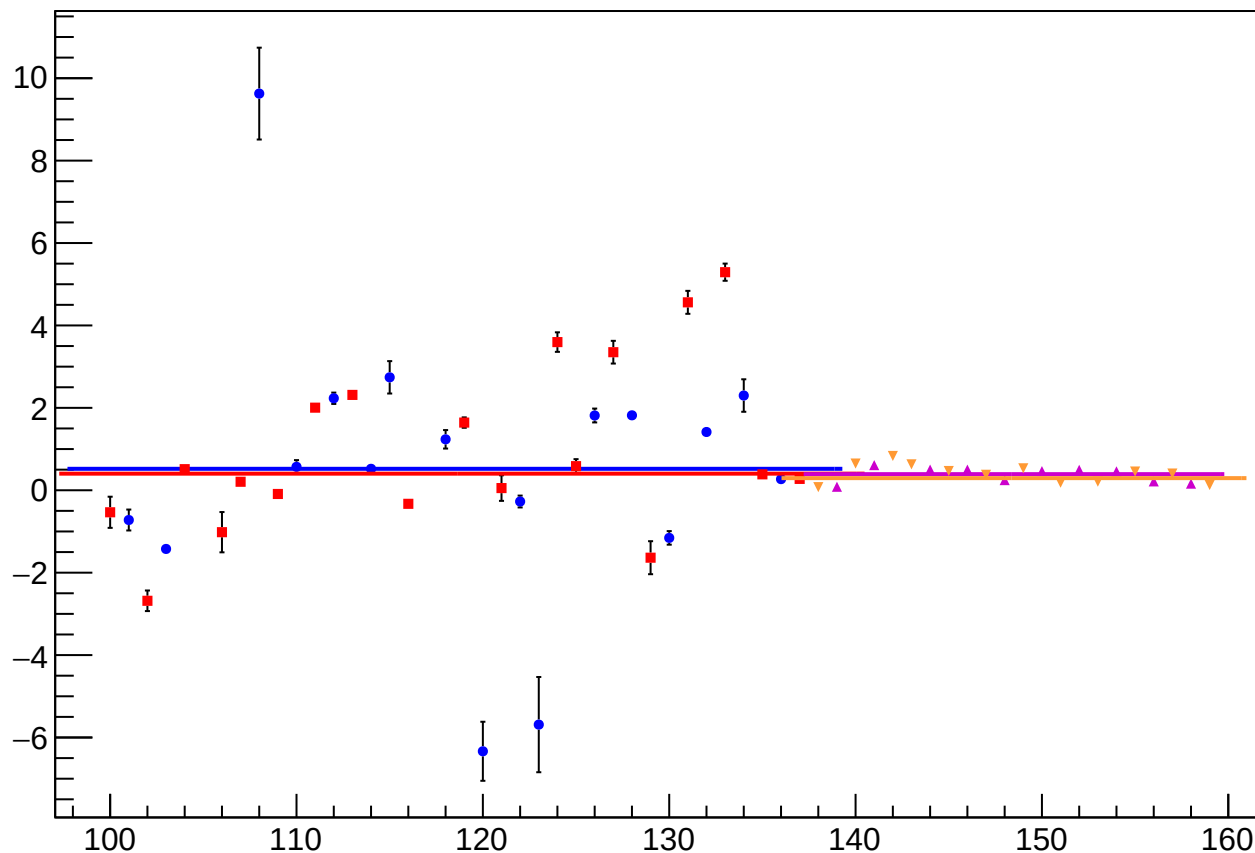
Right: -79.376 ± 0.000 $\chi^2/\text{NDF}: 13657.0/35$

In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 5538.8/26$

Out: -83.490 ± 0.166 $\chi^2/\text{NDF}: 17723.8/30$

All: -79.376 ± 0.000 $\chi^2/\text{NDF}: 23878.4/57$

dit_sam3_11X12X_slope vs Slug, Sign Corrected



Right In: 0.521 $\pm$ 0.000 χ^2 /NDF: 3370.8/16

Left Out: 0.294 $\pm$ 0.003 χ^2 /NDF:5627.1/11

Right Out: 0.403 $\pm$ 0.011 χ^2 /NDF: 2727.5/18

Left In: 0.391 $\pm$ 0.002 χ^2 /NDF:7379.2/9

Left: 0.352 $\pm$ 0.002 χ^2 /NDF: 13791.7/21

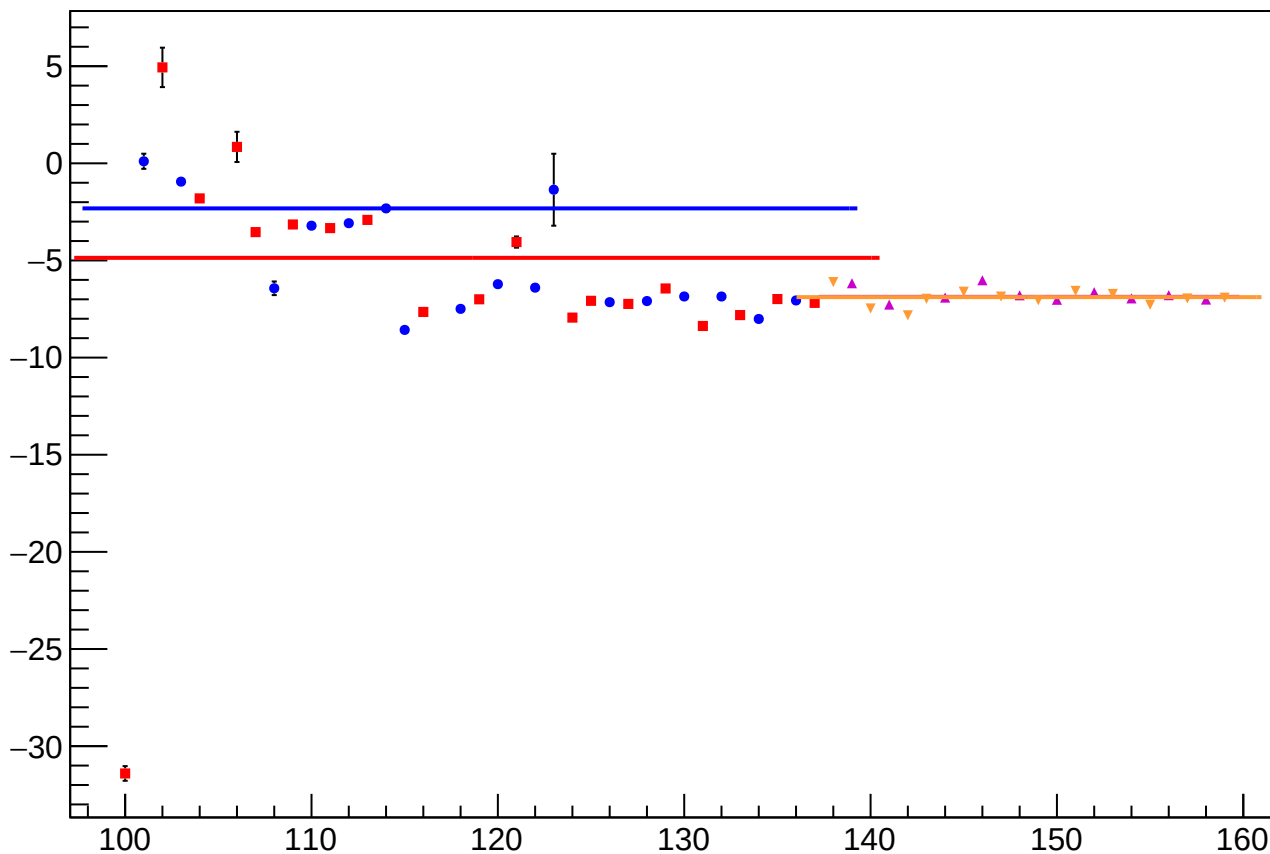
Right: 0.521 $\pm$ 0.000 χ^2 /NDF: 6215.1/35

In: 0.521 $\pm$ 0.000 χ^2 /NDF:14202.7/26

Out: 0.301 $\pm$ 0.003 χ^2 /NDF:8449.0/30

All: 0.521 $\pm$ 0.000 χ^2 /NDF: 29923.7/57

dit_sam3_4aY_slope vs Slug, Sign Corrected



Right In: -2.320 ± 0.000 $\chi^2/\text{NDF}: 270771.9/16$

Left Out: -6.888 ± 0.003 $\chi^2/\text{NDF}: 2587.5/11$

Right Out: -4.864 ± 0.010 $\chi^2/\text{NDF}: 49380.5/18$

Left In: -6.874 ± 0.004 $\chi^2/\text{NDF}: 5086.4/9$

Left: -6.882 ± 0.002 $\chi^2/\text{NDF}: 7681.4/21$

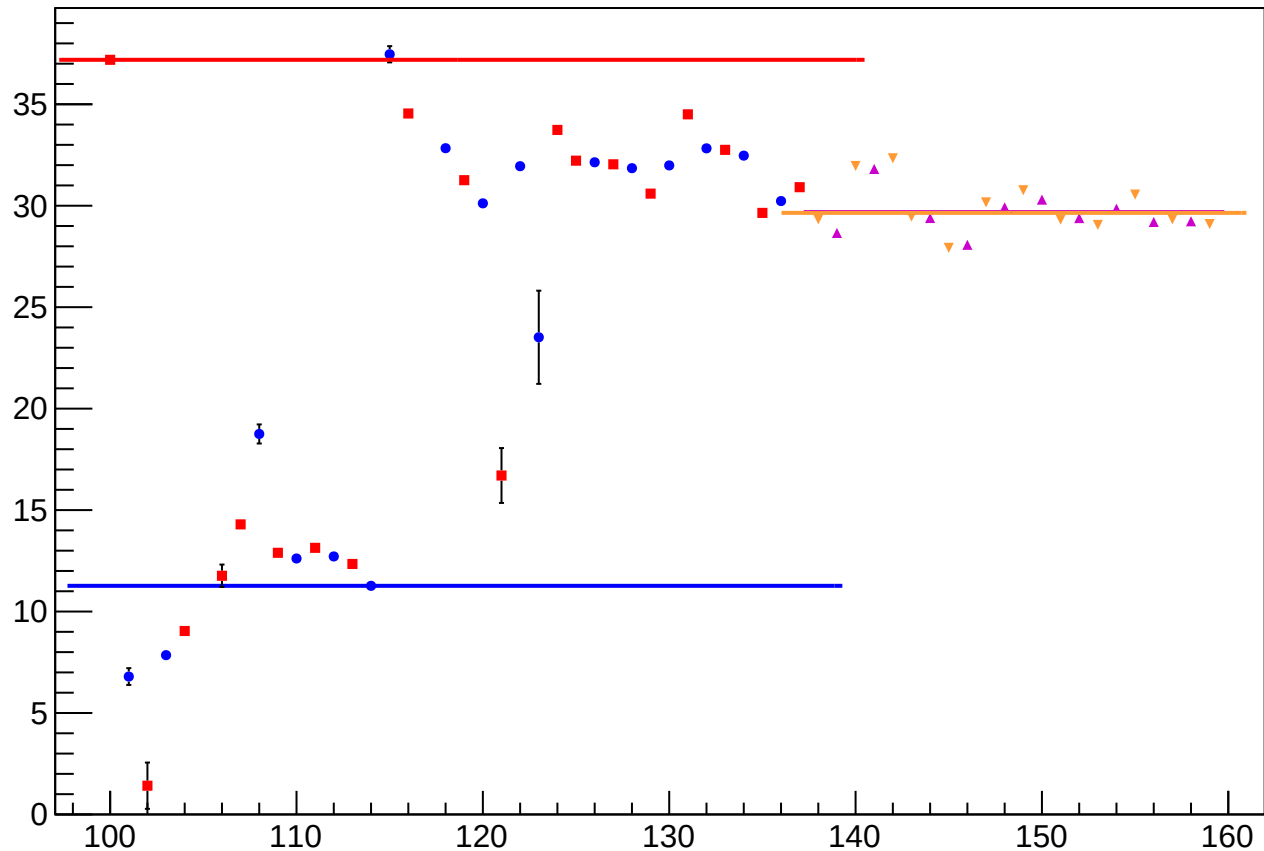
Right: -2.320 ± 0.000 $\chi^2/\text{NDF}: 381161.7/35$

In: -2.320 ± 0.000 $\chi^2/\text{NDF}: 1716573.7/26$

Out: -6.702 ± 0.003 $\chi^2/\text{NDF}: 86999.2/30$

All: -2.320 ± 0.000 $\chi^2/\text{NDF}: 3778201.4/57$

dit_sam3_4eY_slope vs Slug, Sign Corrected



Right In: 11.268 $\pm$ 0.000 χ^2 /NDF: 958029.3/16

Left Out: 29.648 $\pm$ 0.013 χ^2 /NDF: 5688.8/11

Right Out: 37.191 $\pm$ 0.000 χ^2 /NDF: 1121929.1/18

Left In: 29.689 $\pm$ 0.012 χ^2 /NDF: 3031.7/9

Left: 29.671 $\pm$ 0.009 χ^2 /NDF: 8726.0/21

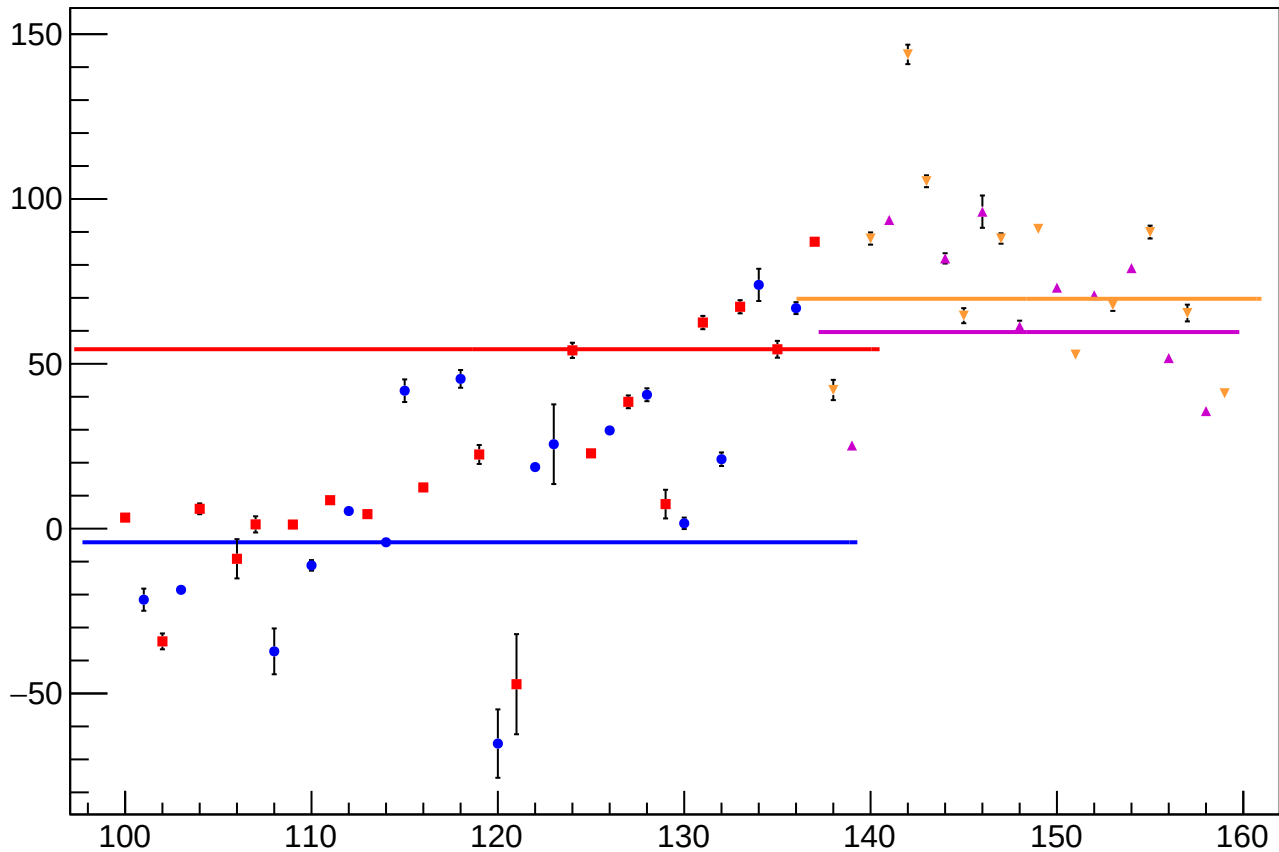
Right: 12.122 $\pm$ 0.000 χ^2 /NDF: 7723055694978834

In: 11.268 $\pm$ 0.000 χ^2 /NDF: 3499760.6/26

Out: 37.191 $\pm$ 0.000 χ^2 /NDF: 1457677.9/30

All: 12.122 $\pm$ 0.000 χ^2 /NDF: 7723055694978

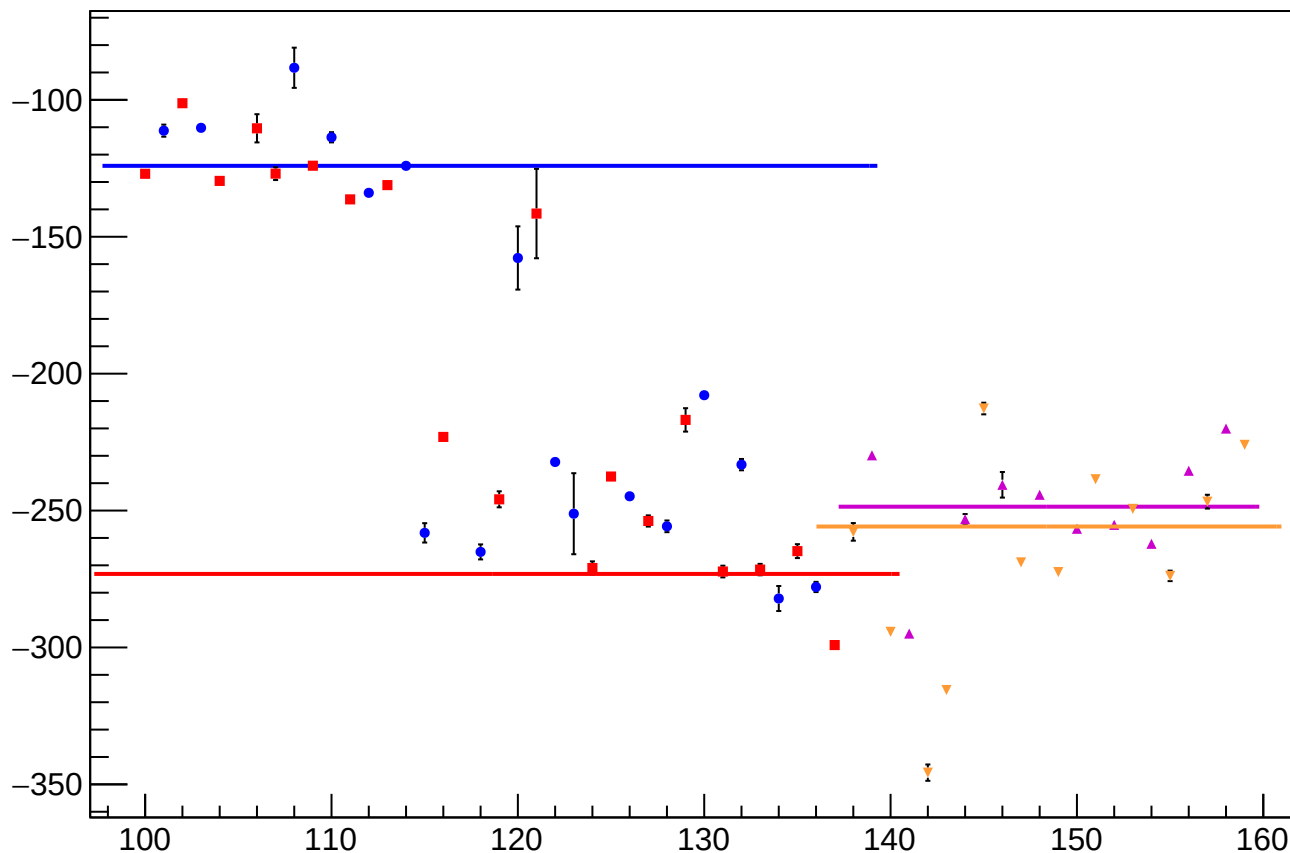
dit_sam4_4aX_slope vs Slug, Sign Corrected



Right In: -4.139 ± 0.000 $\chi^2/\text{NDF}: 4654.2/16$
 Left Out: 69.726 ± 0.475 $\chi^2/\text{NDF}: 2736.6/11$
 Right Out: 54.427 ± 0.170 $\chi^2/\text{NDF}: 53998.7/18$
 Left In: 59.635 ± 0.356 $\chi^2/\text{NDF}: 4389.4/9$

Left: 63.266 ± 0.285 $\chi^2/\text{NDF}: 7414.6/21$
 Right: -4.139 ± 0.000 $\chi^2/\text{NDF}: 177029.3/35$
 In: -4.139 ± 0.000 $\chi^2/\text{NDF}: 41079.0/26$
 Out: 56.166 ± 0.160 $\chi^2/\text{NDF}: 57653.8/30$
 All: -4.139 ± 0.000 $\chi^2/\text{NDF}: 240346.2/57$

dit_sam4_4eX_slope vs Slug, Sign Corrected



Right In: -124.095 ± 0.000 $\chi^2/\text{NDF}: 38152.5/16$

Left Out: -255.829 ± 0.468 $\chi^2/\text{NDF}: 4356.7/11$

Right Out: -273.143 ± 0.113 $\chi^2/\text{NDF}: 280141.9/18$

Left In: -248.584 ± 0.348 $\chi^2/\text{NDF}: 3105.7/9$

Left: -251.167 ± 0.280 $\chi^2/\text{NDF}: 7616.5/21$

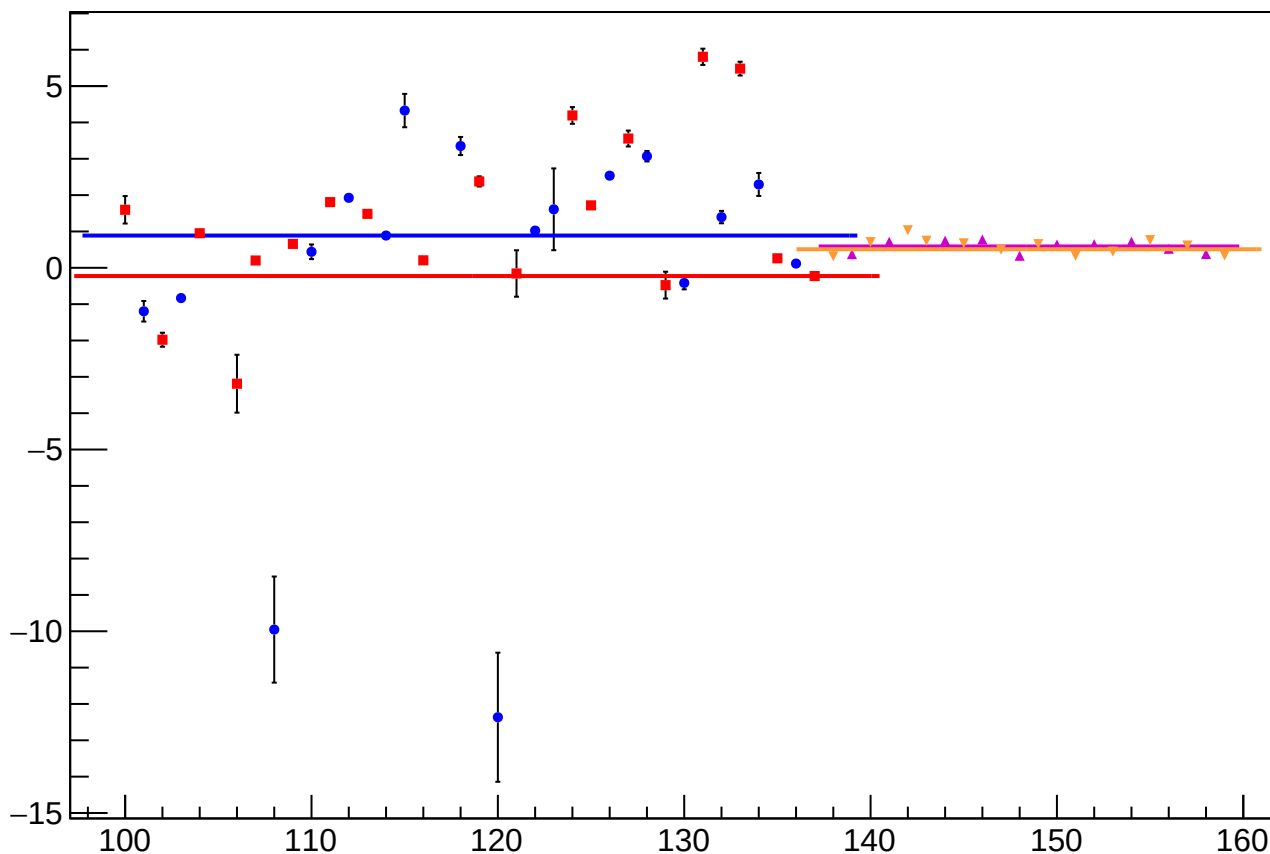
Right: -124.095 ± 0.000 $\chi^2/\text{NDF}: 2066776.4/35$

In: -124.095 ± 0.000 $\chi^2/\text{NDF}: 168911.9/26$

Out: -272.194 ± 0.110 $\chi^2/\text{NDF}: 285791.7/30$

All: -124.095 ± 0.000 $\chi^2/\text{NDF}: 2281092.6/57$

dit_sam4_11X12X_slope vs Slug, Sign Corrected



Right In: 0.888 ± 0.000 $\chi^2/\text{NDF}: 8672.0/16$

Left Out: 0.510 ± 0.003 $\chi^2/\text{NDF}: 3283.2/11$

Right Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 5031.1/18$

Left In: 0.587 ± 0.003 $\chi^2/\text{NDF}: 2609.9/9$

Left: 0.552 ± 0.002 $\chi^2/\text{NDF}: 6206.0/21$

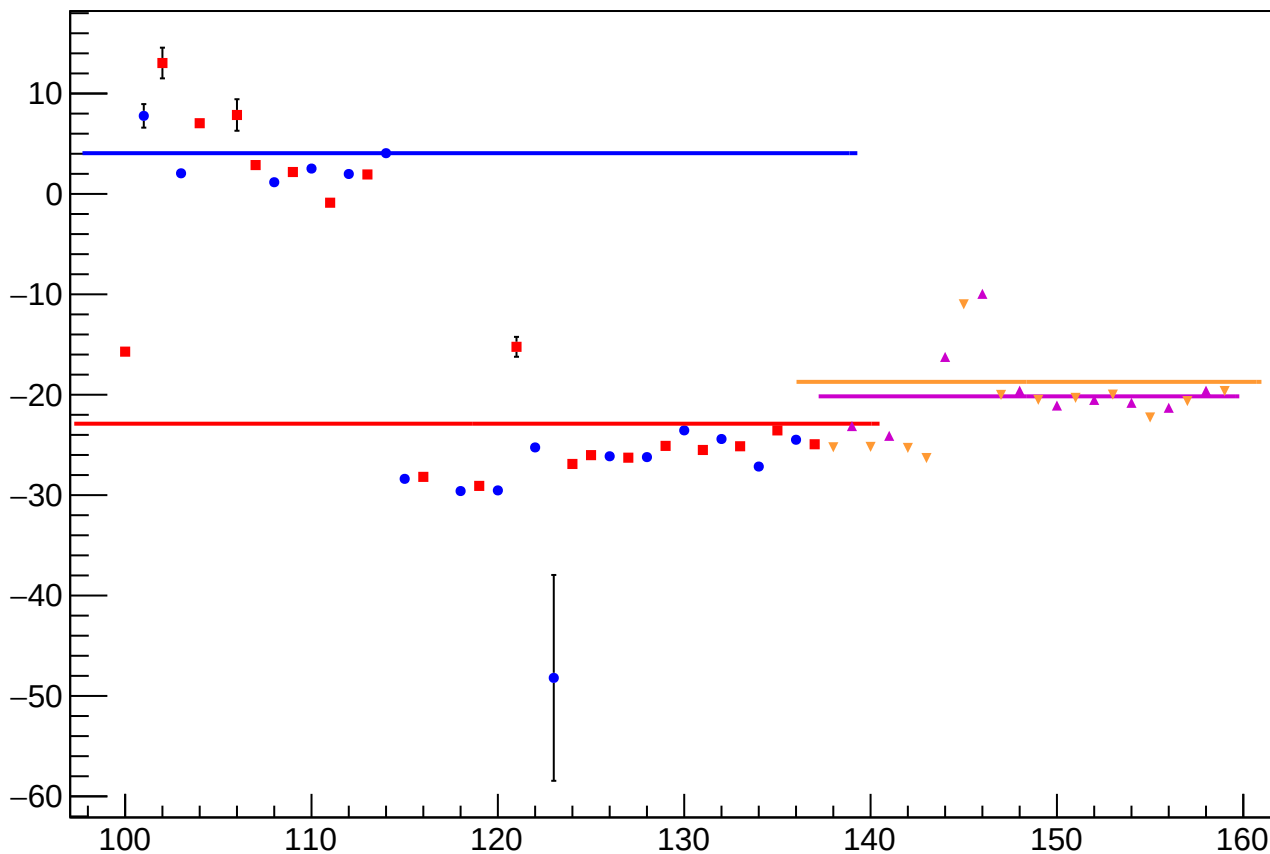
Right: 0.888 ± 0.000 $\chi^2/\text{NDF}: 422220530.0/35$

In: 0.888 ± 0.000 $\chi^2/\text{NDF}: 21830.3/26$

Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 60708.0/30$

All: 0.888 ± 0.000 $\chi^2/\text{NDF}: 422250739.7/57$

dit_sam4_4aY_slope vs Slug, Sign Corrected



Right In: 4.057 ± 0.000 χ^2/NDF : 1247888.2/16

Left Out: -18.717 ± 0.016 χ^2/NDF : 77347.9/11

Right Out: -22.885 ± 0.026 χ^2/NDF : 116508.9/18

Left In: -20.161 ± 0.015 χ^2/NDF : 19224.4/9

Left: -19.482 ± 0.011 χ^2/NDF : 101081.6/21

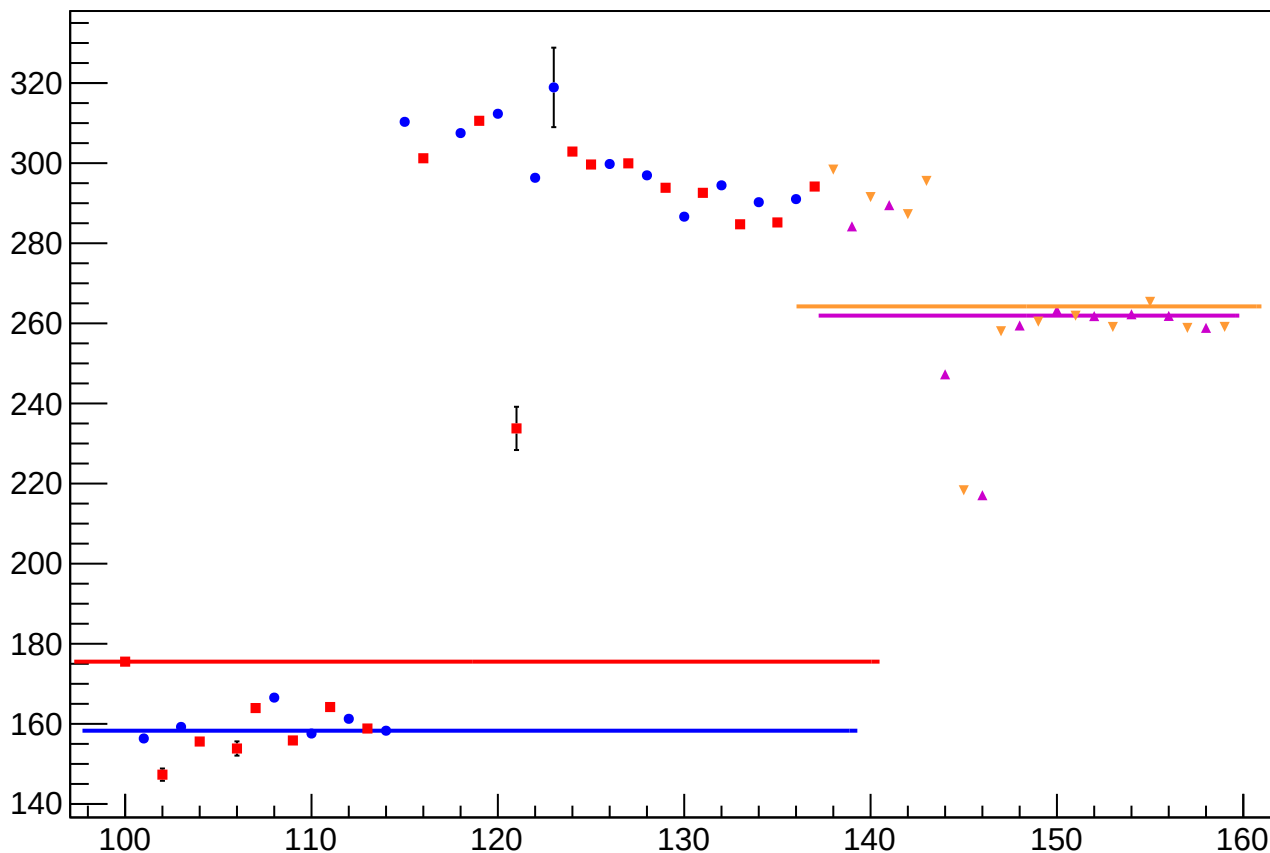
Right: 4.057 ± 0.000 χ^2/NDF : 2412173.4/35

In: 4.057 ± 0.000 χ^2/NDF : 3968451.6/26

Out: -19.806 ± 0.013 χ^2/NDF : 212380.6/30

All: 4.057 ± 0.000 χ^2/NDF : 7328299.1/57

dit_sam4_4eY_slope vs Slug, Sign Corrected



Right In: 158.293 $\pm$ 0.000 χ^2/NDF : 2410913.3/16

Left Out: 264.235 $\pm$ 0.039 χ^2/NDF :186732.1/11

Right Out: 175.536 $\pm$ 0.000 χ^2/NDF : 2100196.2/18

Left In: 261.934 $\pm$ 0.037 χ^2/NDF :37611.4/9

Left: 263.015 $\pm$ 0.027 χ^2/NDF : 226148.7/21

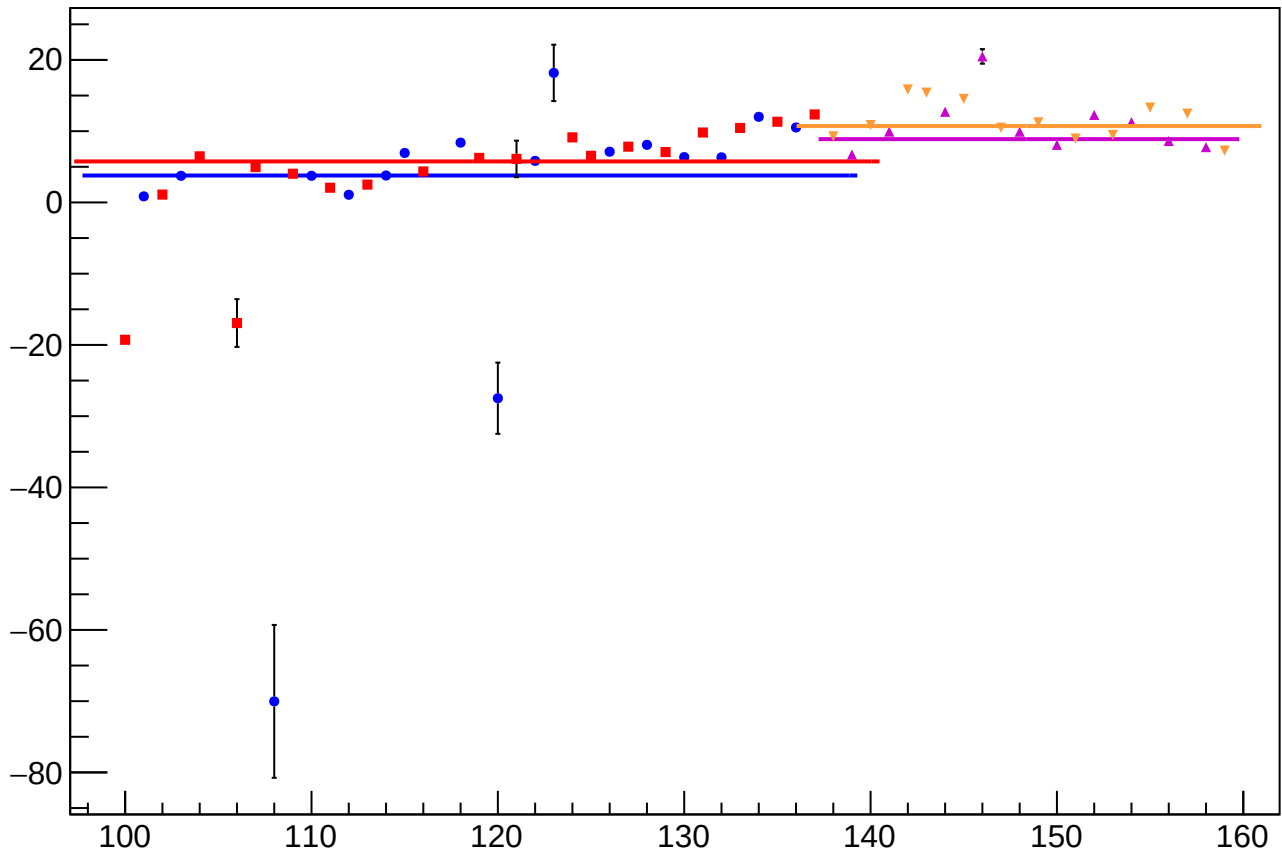
Right: 172.618 $\pm$ 0.000 χ^2/NDF : 373727491225928

In: 158.293 $\pm$ 0.000 χ^2/NDF :10249512.9/26

Out: 175.536 $\pm$ 0.000 χ^2/NDF :7350678.0/30

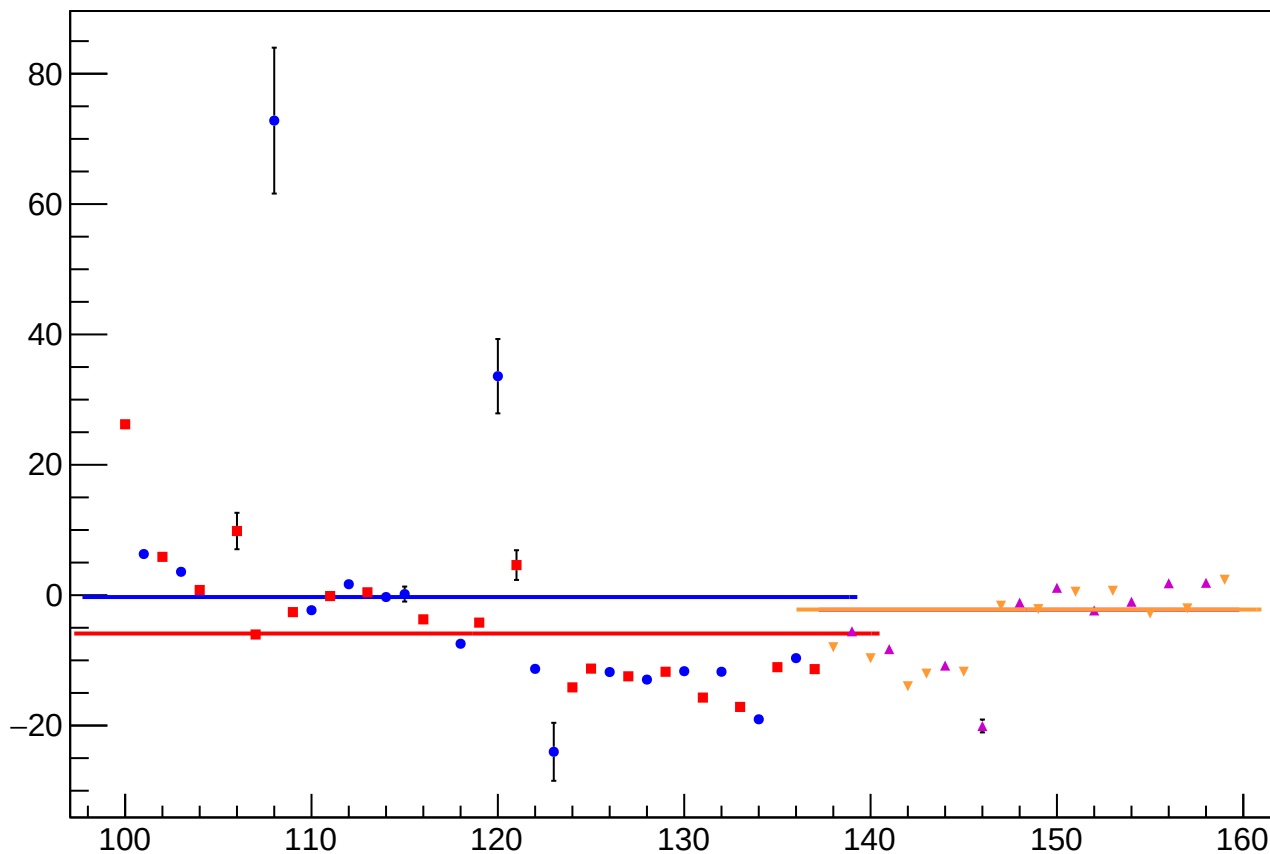
All: 172.618 $\pm$ 0.000 χ^2/NDF : 373727491225

dit_sam5_4aX_slope vs Slug, Sign Corrected



Left: 9.795 ± 0.027 χ^2/NDF : 5482.4/21
 Right: 3.778 ± 0.000 χ^2/NDF : 35056.1/35
 In: 3.778 ± 0.000 χ^2/NDF : 26850.0/26
 Out: 7.281 ± 0.021 χ^2/NDF : 35765.1/30
 All: 3.778 ± 0.000 χ^2/NDF : 89302.5/57

dit_sam5_4eX_slope vs Slug, Sign Corrected



Right In: -0.287 ± 0.000 χ^2/NDF : 44276.5/16

Left Out: -2.204 ± 0.038 χ^2/NDF : 8670.0/11

Right Out: -5.882 ± 0.027 χ^2/NDF : 63493.9/18

Left In: -2.240 ± 0.039 χ^2/NDF : 11327.5/9

Left: -2.222 ± 0.027 χ^2/NDF : 19997.9/21

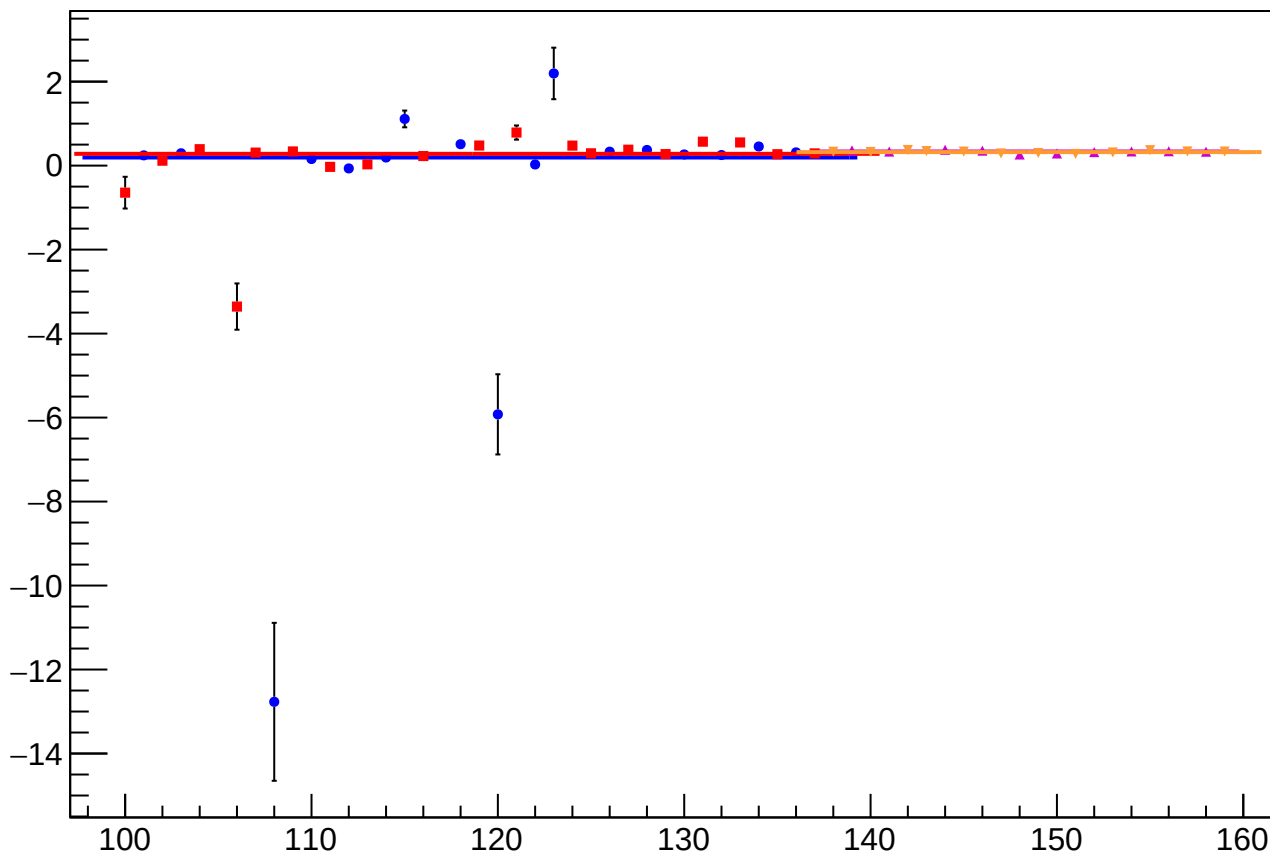
Right: -0.287 ± 0.000 χ^2/NDF : 150060.6/35

In: -0.287 ± 0.000 χ^2/NDF : 58126.6/26

Out: -4.646 ± 0.022 χ^2/NDF : 78307.0/30

All: -0.287 ± 0.000 χ^2/NDF : 175093.9/57

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 : 1190.5/11

Right Out: 0.280 ± 0.001 χ^2/NDF : 6059.0/18

Left In: 0.336 ± 0.001 χ^2/NDF : 2133.4/9

Left: 0.328 ± 0.001 χ^2/NDF : 3524.7/21

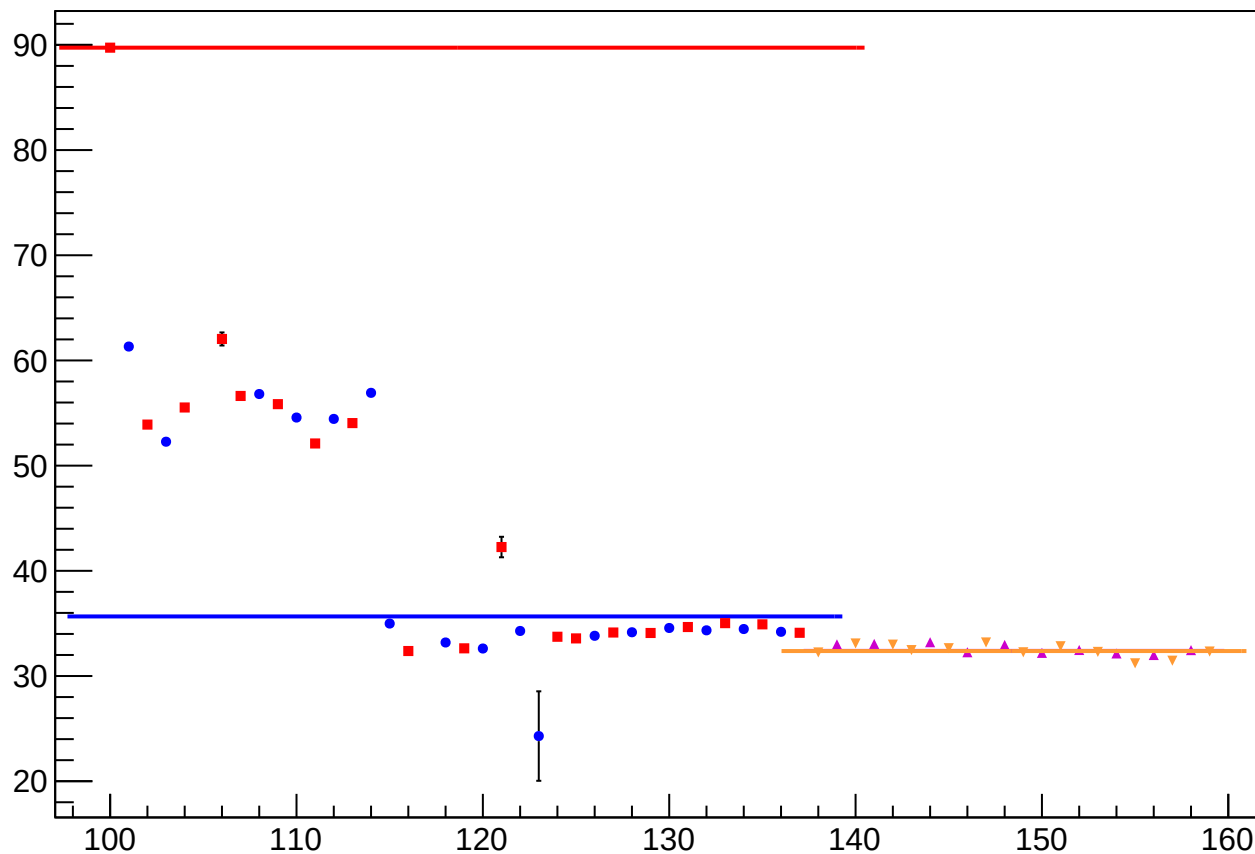
Right: 0.193 ± 0.000 χ^2/NDF : 19578.7/35

In: 0.193 ± 0.000 χ^2/NDF : 50021.0/26

Out: 0.314 ± 0.001 χ^2/NDF : 7890.9/30

All: 0.193 ± 0.000 χ^2/NDF : 96146.6/57

dit_sam5_4aY_slope vs Slug, Sign Corrected



Right In: 35.664+/-0.011 χ^2/NDF : 218662.5/16

Left Out: 32.373+/-0.005 χ^2/NDF : 2663.6/11

Right Out: 89.735+/-0.000 χ^2/NDF : 25801560.6/18

Left In: 32.387+/-0.005 χ^2/NDF : 3828.1/9

Left: 32.381+/-0.003 χ^2/NDF : 6495.7/21

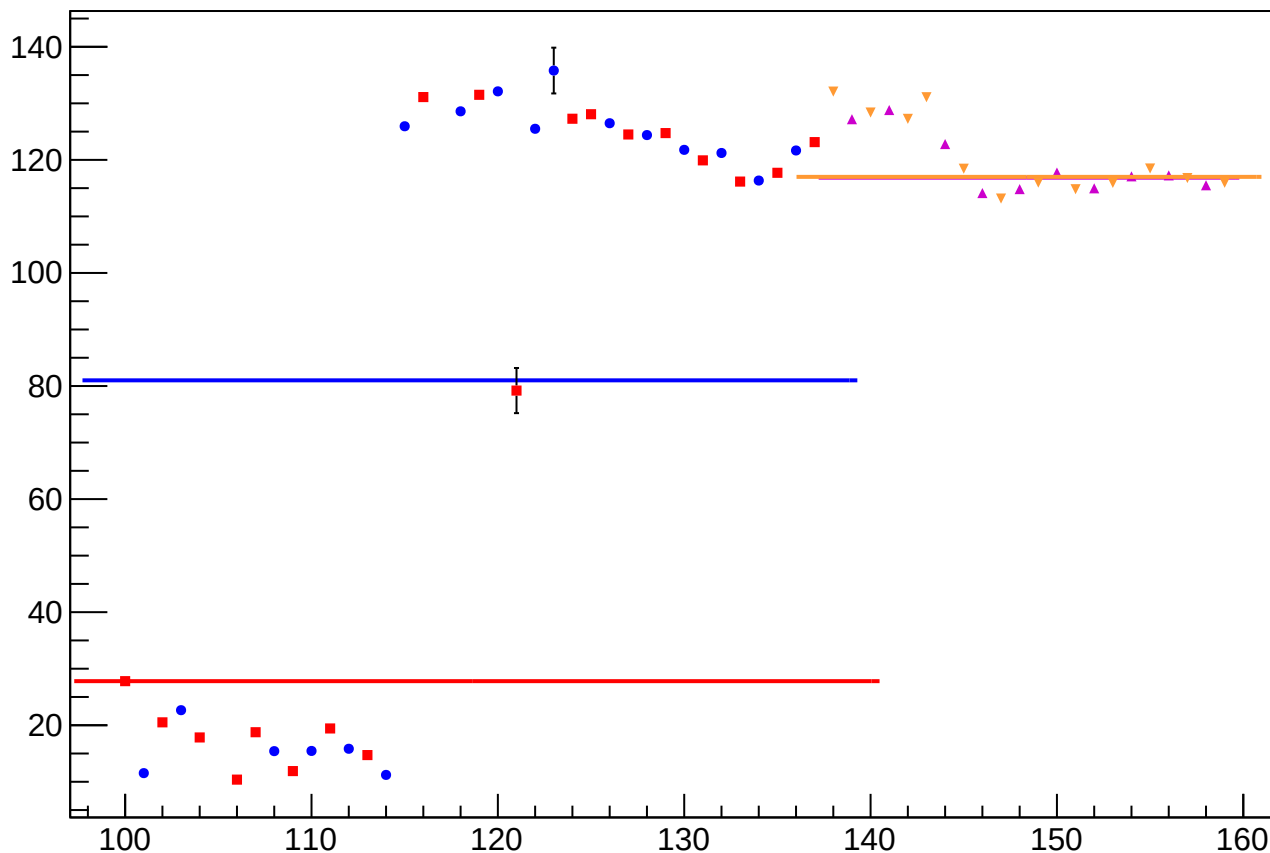
Right: 89.735+/-0.000 χ^2/NDF : 48650023.7/35

In: 32.836+/-0.004 χ^2/NDF : 294214.2/26

Out: 89.735+/-0.000 χ^2/NDF : 151247894.0/30

All: 89.735+/-0.000 χ^2/NDF : 334357190.6/57

dit_sam5_4eY_slope vs Slug, Sign Corrected



Right In: 81.005 $\pm$ 0.035 χ^2/NDF : 2228881.4/16

Left Out: 116.996 $\pm$ 0.010 χ^2/NDF : 136480.0/11

Right Out: 27.798 $\pm$ 0.000 χ^2/NDF : 9183707.8/18

Left In: 116.854 $\pm$ 0.010 χ^2/NDF : 40354.1/9

Left: 116.923 $\pm$ 0.007 χ^2/NDF : 176933.7/21

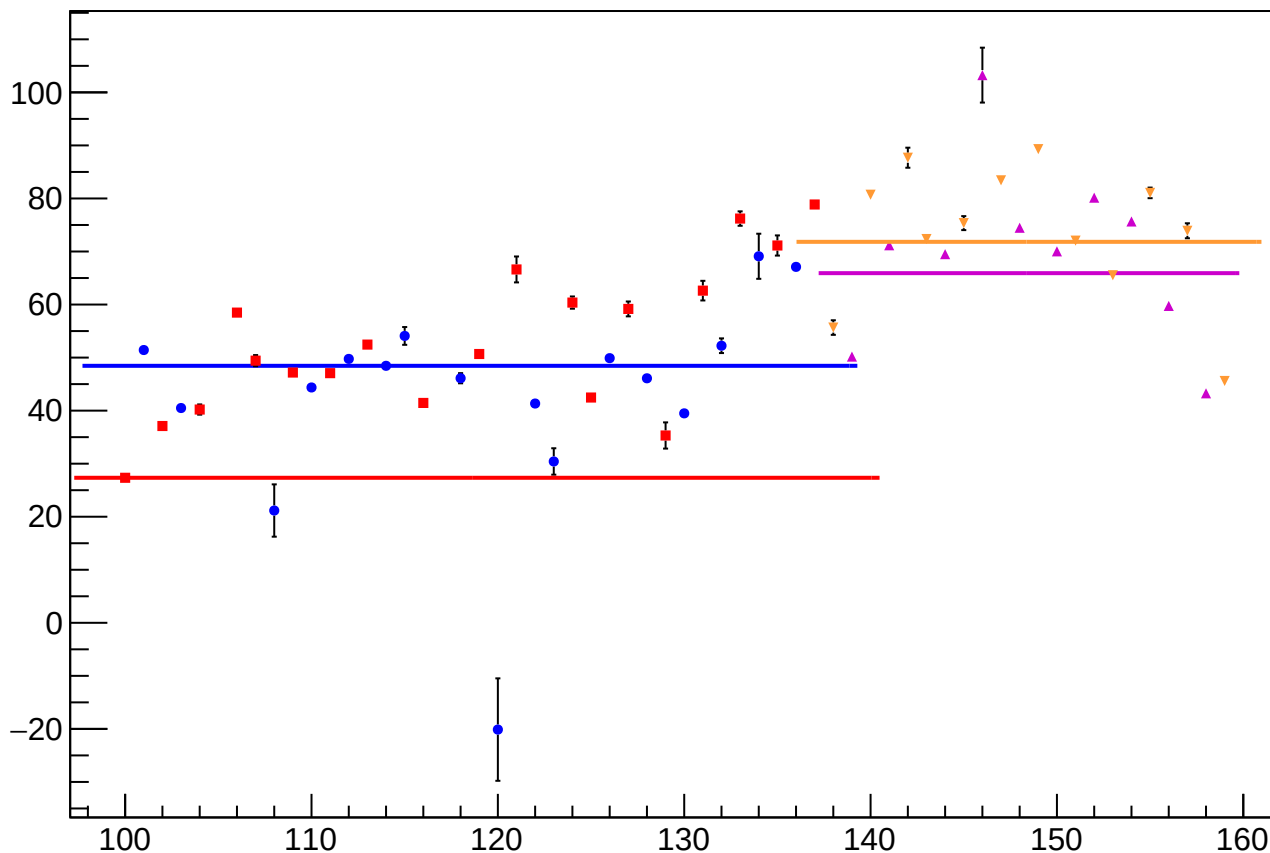
Right: 27.798 $\pm$ 0.000 χ^2/NDF : 13786729.0/35

In: 114.106 $\pm$ 0.010 χ^2/NDF : 3264332.9/26

Out: 27.798 $\pm$ 0.000 χ^2/NDF : 85650965.4/30

All: 27.798 $\pm$ 0.000 χ^2/NDF : 170402481.7/57

dit_sam6_4aX_slope vs Slug, Sign Corrected



Right In: 48.450 $\pm$ 0.000 χ^2/NDF : 2751.4/16

Left Out: 71.824 $\pm$ 0.234 χ^2/NDF : 3667.5/11

Right Out: 27.342 $\pm$ 0.000 χ^2/NDF : 25810.4/18

Left In: 65.918 $\pm$ 0.191 χ^2/NDF : 3741.6/9

Left: 68.275 $\pm$ 0.148 χ^2/NDF : 7792.3/21

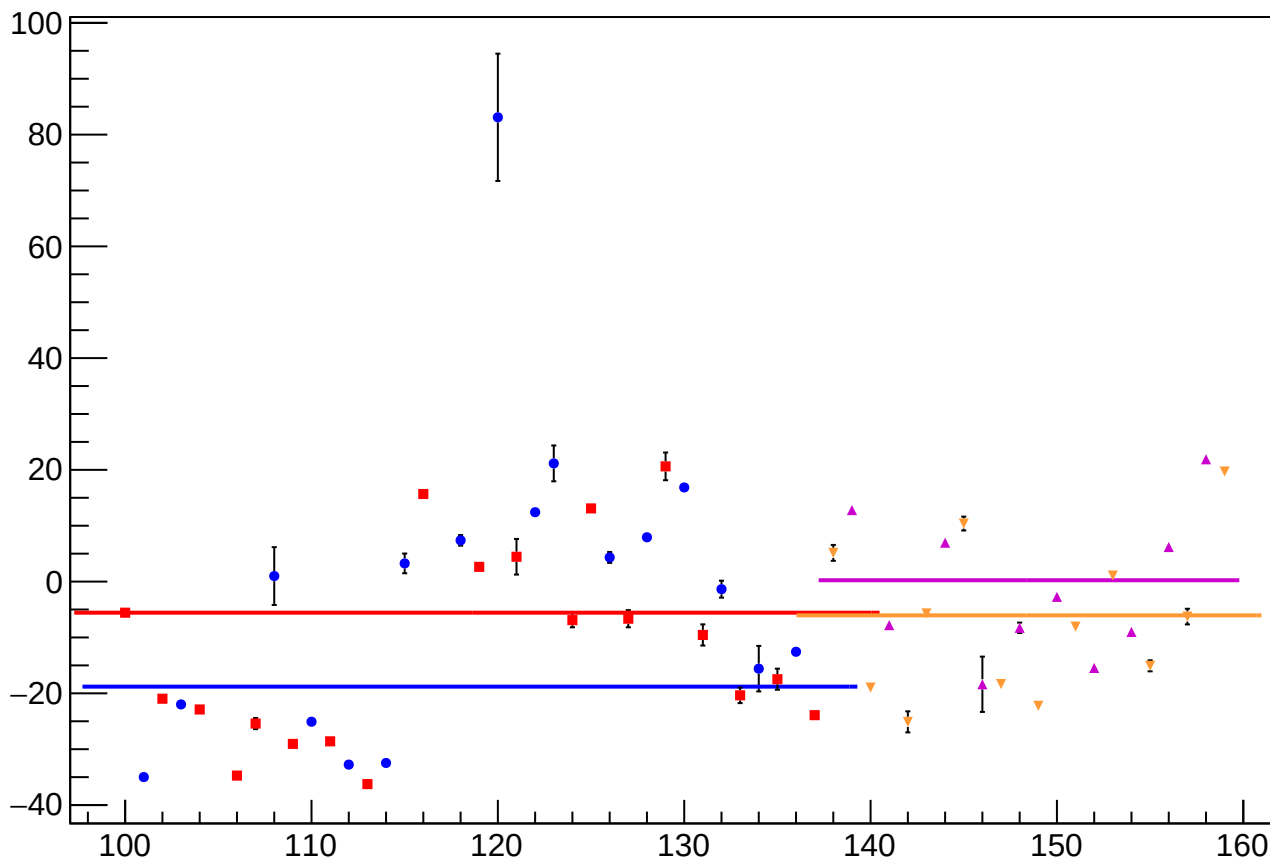
Right: 28.365 $\pm$ 0.000 χ^2/NDF : 1026290104888328

In: 48.450 $\pm$ 0.000 χ^2/NDF : 14892.8/26

Out: 27.342 $\pm$ 0.000 χ^2/NDF : 65651.4/30

All: 28.365 $\pm$ 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: -6.044 ± 0.231 $\chi^2/\text{NDF}: 3937.1/11$

Right Out: -5.568 ± 0.000 $\chi^2/\text{NDF}: 23097.3/18$

Left In: 0.240 ± 0.188 $\chi^2/\text{NDF}: 3368.5/9$

Left: -2.277 ± 0.146 $\chi^2/\text{NDF}: 7750.7/21$

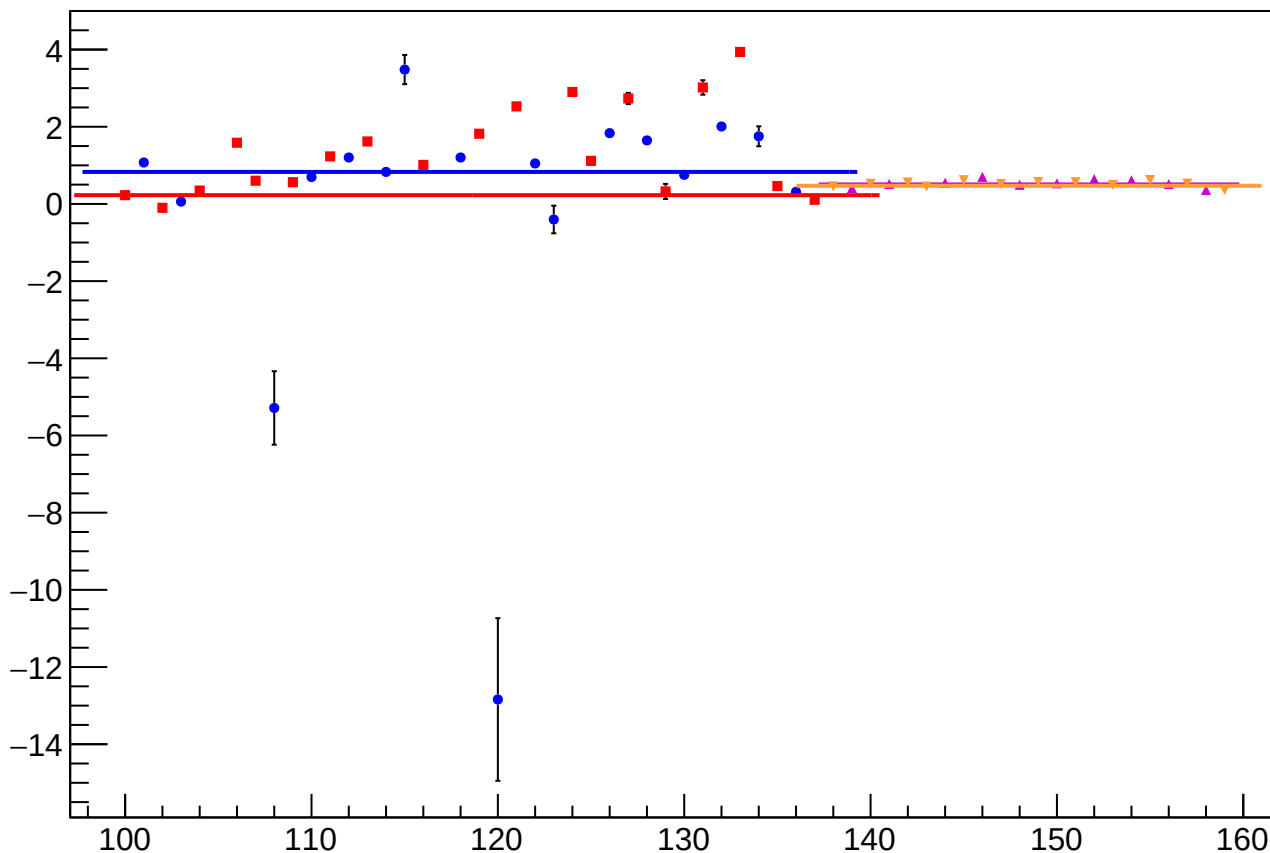
Right: -5.568 ± 0.000 $\chi^2/\text{NDF}: 42808.5/35$

In: -11.512 ± 0.117 $\chi^2/\text{NDF}: 21430.9/26$

Out: -5.568 ± 0.000 $\chi^2/\text{NDF}: 27038.7/30$

All: -5.568 ± 0.000 $\chi^2/\text{NDF}: 51067.7/57$

dit_sam6_11X12X_slope vs Slug, Sign Corrected



Right In: 0.830 ± 0.000 $\chi^2/\text{NDF}: 14882.7/16$

Left Out: 0.471 ± 0.001 $\chi^2/\text{NDF}: 4670.4/11$

Right Out: 0.227 ± 0.000 $\chi^2/\text{NDF}: 11819.9/18$

Left In: 0.505 ± 0.001 $\chi^2/\text{NDF}: 5891.5/9$

Left: 0.488 ± 0.001 $\chi^2/\text{NDF}: 10882.6/21$

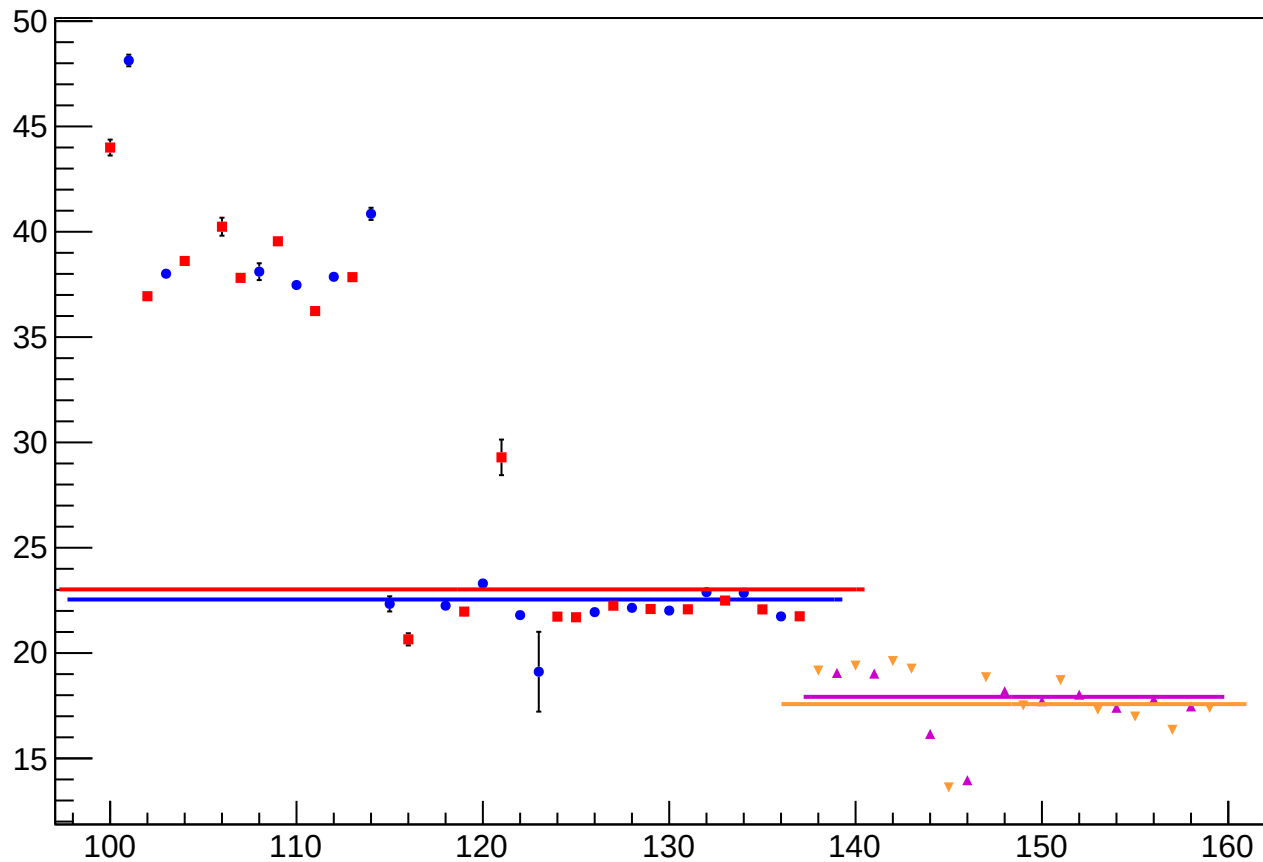
Right: 0.289 ± 0.000 $\chi^2/\text{NDF}: 29066082561457147$

In: 0.830 ± 0.000 $\chi^2/\text{NDF}: 78412.8/26$

Out: 0.227 ± 0.000 $\chi^2/\text{NDF}: 50153.4/30$

All: 0.289 ± 0.000 $\chi^2/\text{NDF}: 29066082561457$

dit_sam6_4aY_slope vs Slug, Sign Corrected



Right In: 22.543 ± 0.009 $\chi^2/\text{NDF}: 105452.8/16$

Left Out: 17.576 ± 0.007 $\chi^2/\text{NDF}: 69933.7/11$

Right Out: 23.023 ± 0.009 $\chi^2/\text{NDF}: 165838.0/18$

Left In: 17.922 ± 0.008 $\chi^2/\text{NDF}: 10777.6/9$

Left: 17.721 ± 0.005 $\chi^2/\text{NDF}: 81780.6/21$

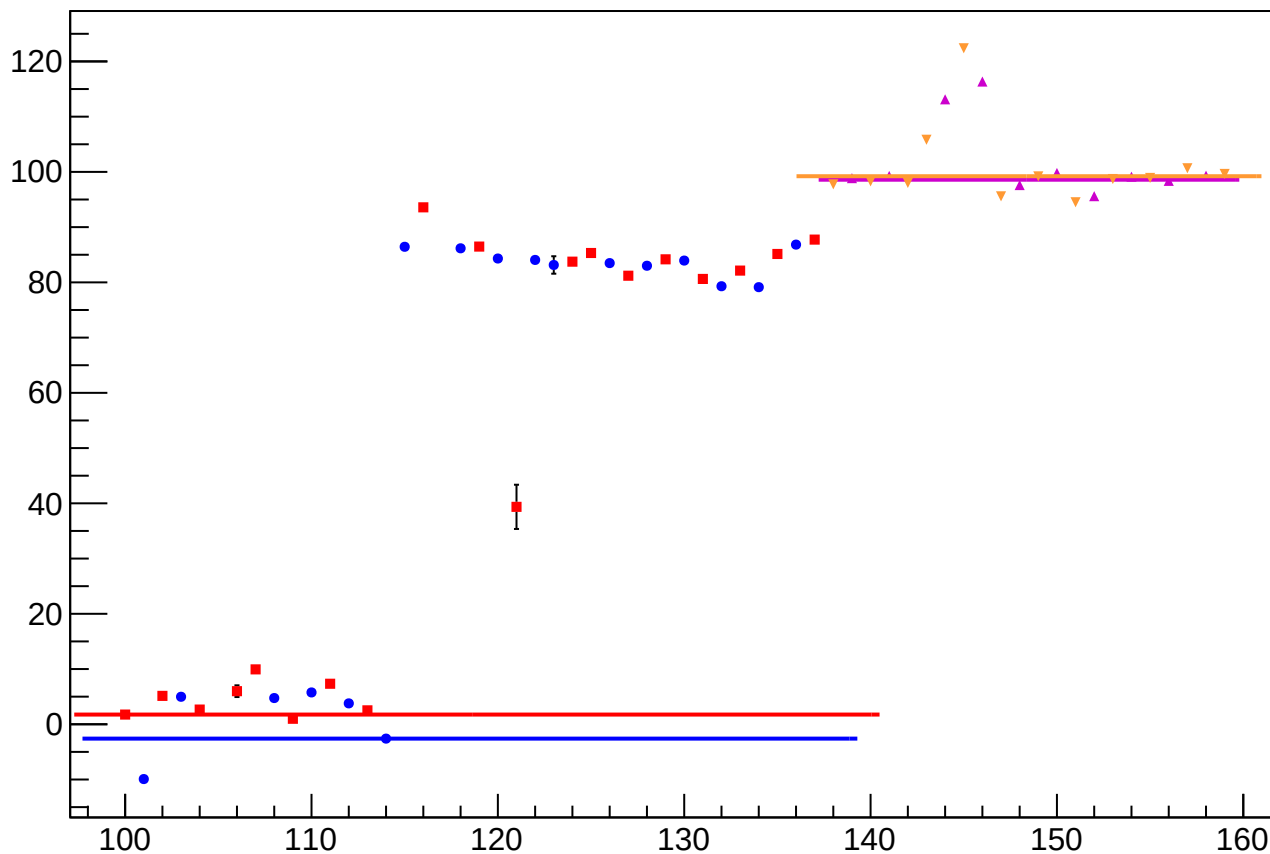
Right: 22.790 ± 0.006 $\chi^2/\text{NDF}: 272655.1/35$

In: 19.898 ± 0.006 $\chi^2/\text{NDF}: 257230.7/26$

Out: 19.569 ± 0.005 $\chi^2/\text{NDF}: 465660.0/30$

All: 19.716 ± 0.004 $\chi^2/\text{NDF}: 724508.5/57$

dit_sam6_4eY_slope vs Slug, Sign Corrected



Right In: -2.596+/-0.000 χ^2/NDF : 7395182.7/16

Left Out: 99.217+/-0.014 χ^2/NDF : 68139.6/11

Right Out: 1.758+/-0.000 χ^2/NDF : 4230949.4/18

Left In: 98.585+/-0.014 χ^2/NDF : 16308.9/9

Left: 98.896+/-0.010 χ^2/NDF : 85445.9/21

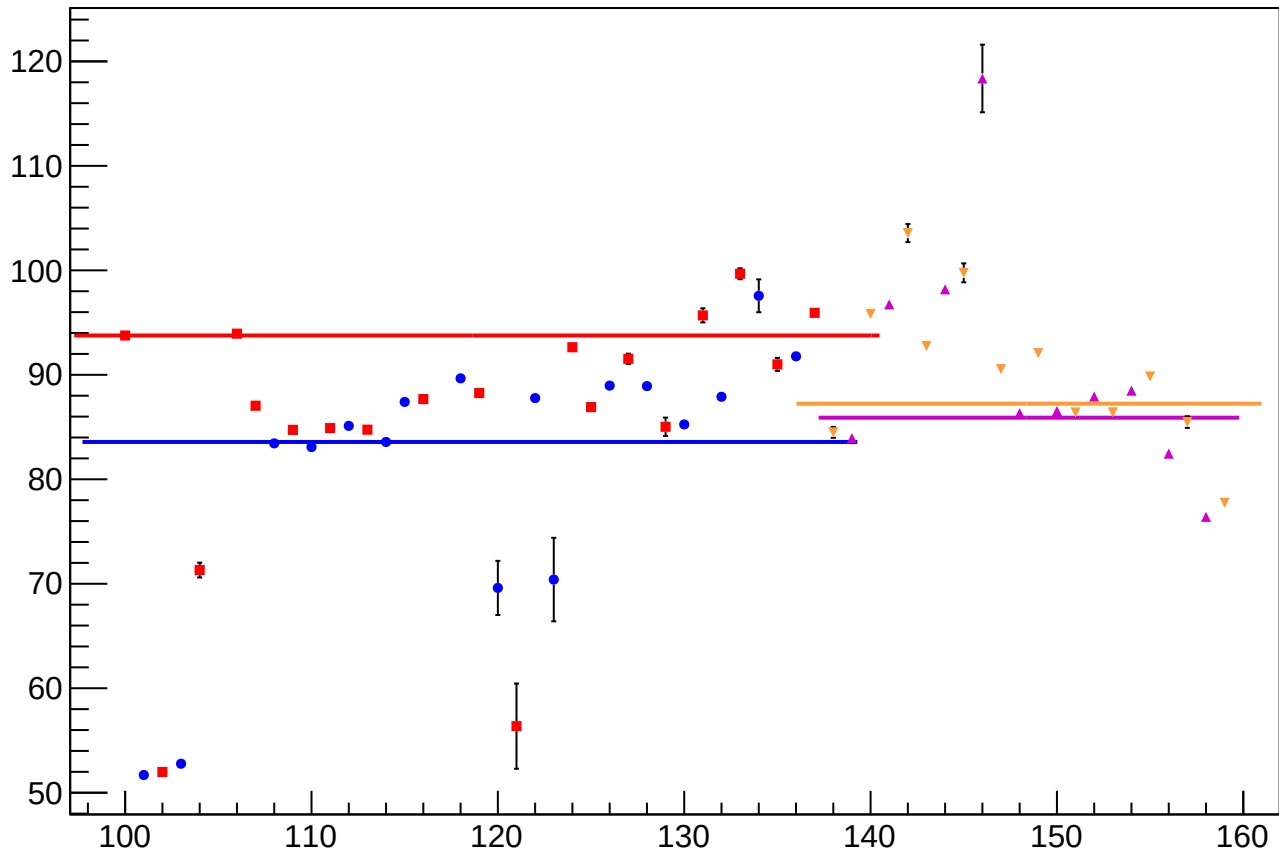
Right: -1.059+/-0.000 χ^2/NDF : 3731791751577379

In: -2.596+/-0.000 χ^2/NDF : 59336163.5/26

Out: 1.758+/-0.000 χ^2/NDF : 50980893.4/30

All: -1.059+/-0.000 χ^2/NDF : 3731791751577

dit_sam7_4aX_slope vs Slug, Sign Corrected



Right In: 83.573+/-0.000 χ^2/NDF : 49468.0/16

Left Out: 87.237+/-0.089 χ^2/NDF : 5156.2/11

Right Out: 93.762+/-0.000 χ^2/NDF : 82848.8/18

Left In: 85.895+/-0.071 χ^2/NDF : 5467.4/9

Left: 86.420+/-0.055 χ^2/NDF : 10763.6/21

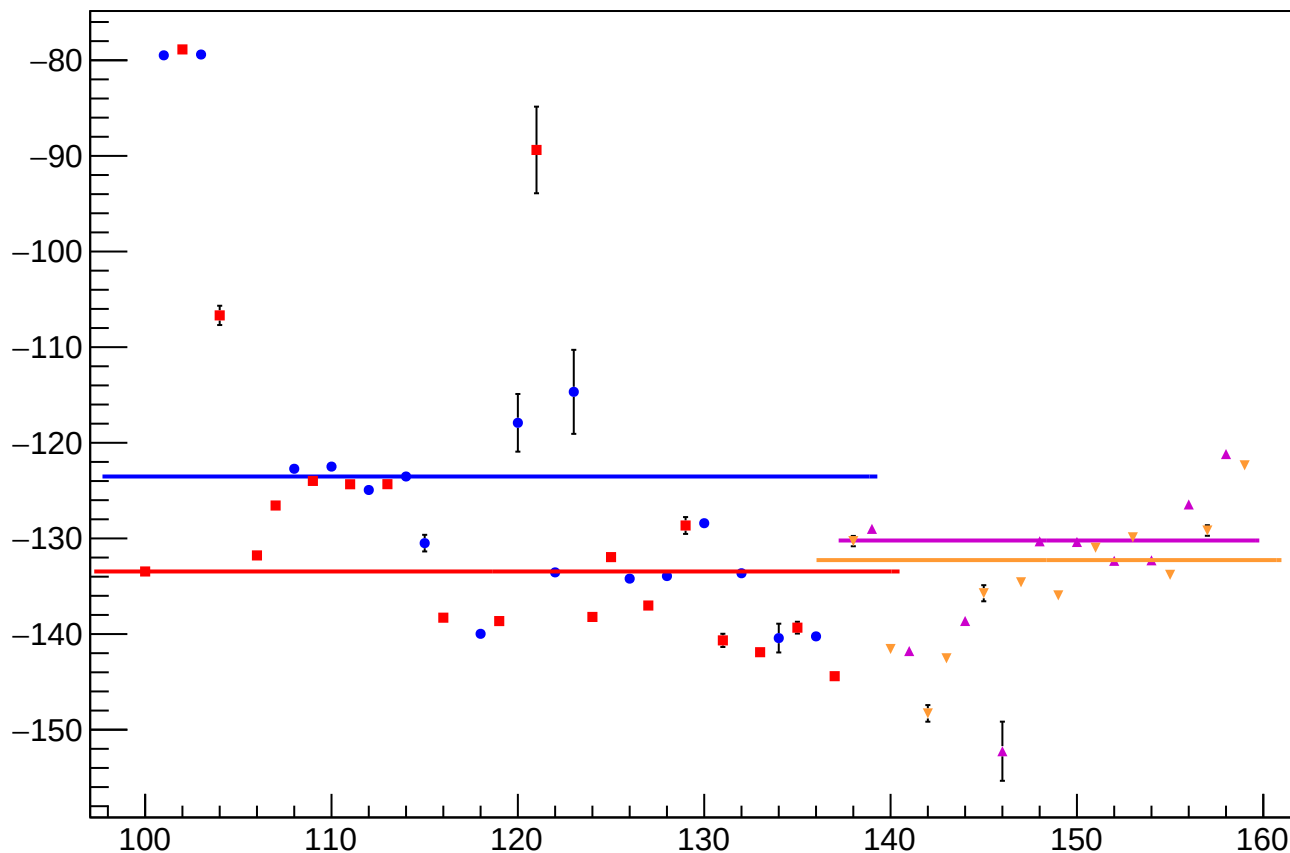
Right: 87.169+/-0.000 χ^2/NDF : 1995684404141260

In: 83.573+/-0.000 χ^2/NDF : 56007.9/26

Out: 93.762+/-0.000 χ^2/NDF : 93435.7/30

All: 87.169+/-0.000 χ^2/NDF : 1995684404141

dit_sam7_4eX_slope vs Slug, Sign Corrected



Right In: -123.524+/-0.000 χ^2/NDF : 160356.5/16

Left Out: -132.266+/-0.088 χ^2/NDF : 6588.8/11

Right Out: -133.456+/-0.000 χ^2/NDF : 394896.3/18

Left In: -130.217+/-0.070 χ^2/NDF : 4649.9/9

Left: -131.008+/-0.055 χ^2/NDF : 11572.4/21

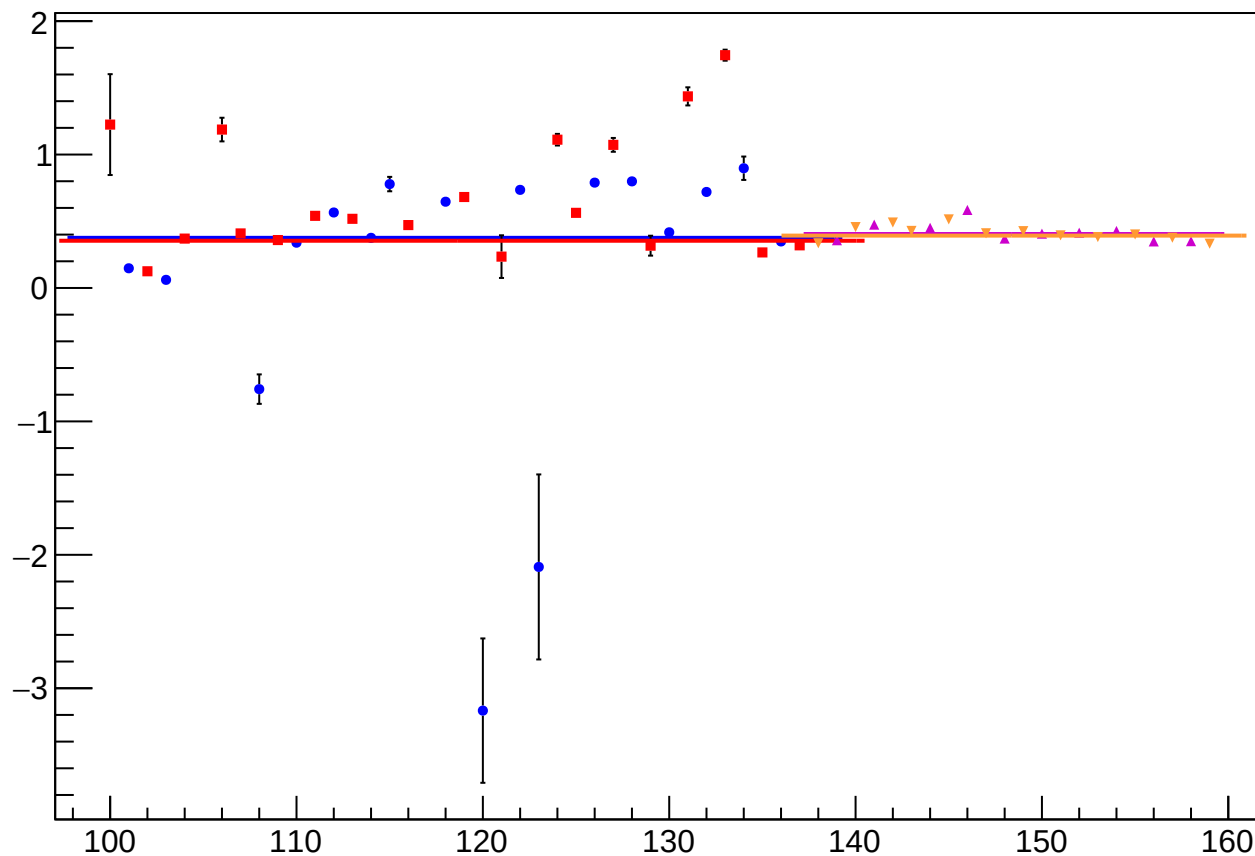
Right: -124.716+/-0.000 χ^2/NDF : 64467869901657

In: -123.524+/-0.000 χ^2/NDF : 174222.3/26

Out: -133.456+/-0.000 χ^2/NDF : 401668.0/30

All: -124.716+/-0.000 χ^2/NDF : 64467869901

dit_sam7_11X12X_slope vs Slug, Sign Corrected



Right In: 0.376 $\pm$ 0.000 χ^2 /NDF: 3961.7/16

Left Out: 0.392 $\pm$ 0.001 χ^2 /NDF: 4156.7/11

Right Out: 0.354 $\pm$ 0.002 χ^2 /NDF: 4592.7/18

Left In: 0.404 $\pm$ 0.001 χ^2 /NDF: 5417.7/9

Left: 0.399 $\pm$ 0.000 χ^2 /NDF: 9763.8/21

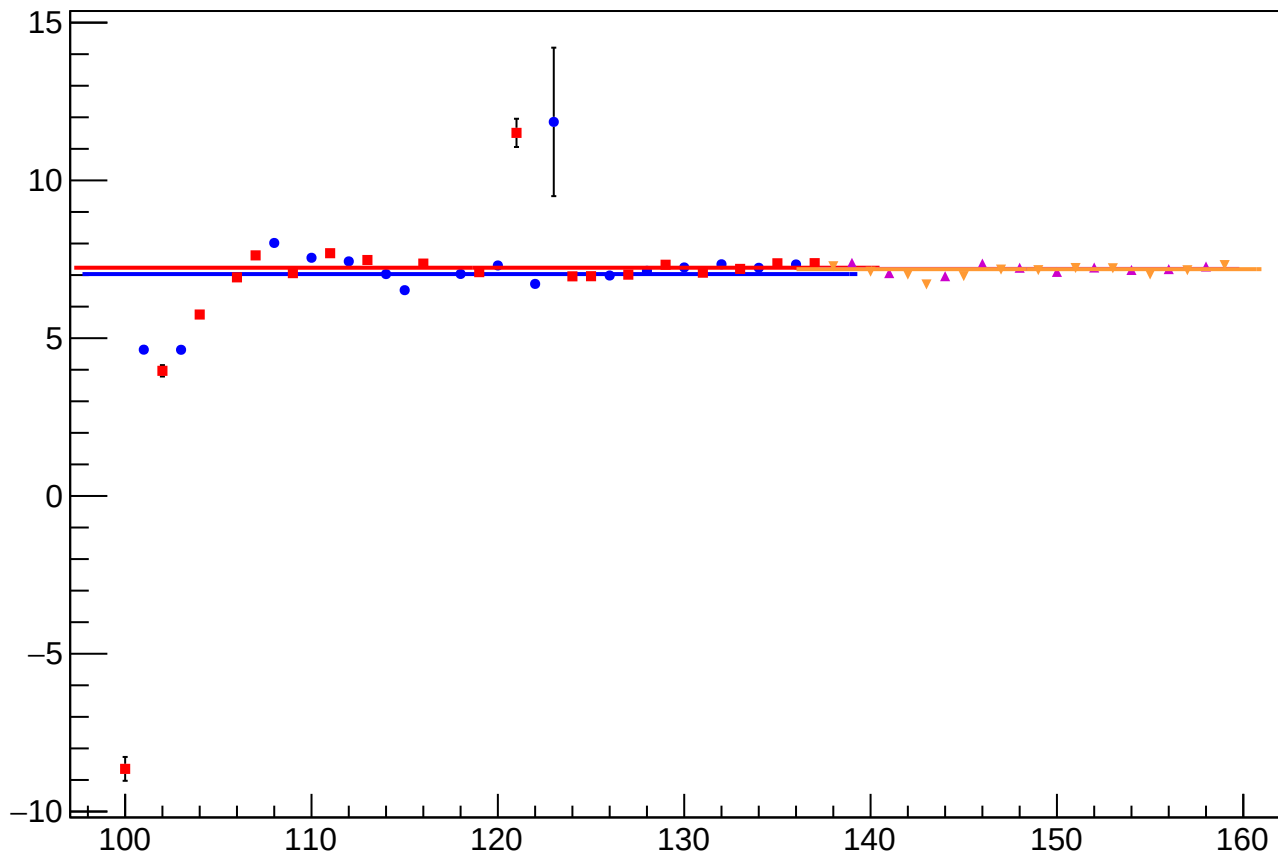
Right: 0.376 $\pm$ 0.000 χ^2 /NDF: 8762.1/35

In: 0.376 $\pm$ 0.000 χ^2 /NDF: 12013.2/26

Out: 0.386 $\pm$ 0.001 χ^2 /NDF: 9296.1/30

All: 0.376 $\pm$ 0.000 χ^2 /NDF: 21623.5/57

dit_sam7_4aY_slope vs Slug, Sign Corrected



Right In: 7.032 $\pm$ 0.000 χ^2 /NDF: 19770.1/16

Left Out: 7.187 $\pm$ 0.001 χ^2 /NDF:21953.7/11

Right Out: 7.233 $\pm$ 0.002 χ^2 /NDF: 10061.8/18

Left In: 7.195 $\pm$ 0.001 χ^2 /NDF:9017.2/9

Left: 7.191 $\pm$ 0.001 χ^2 /NDF: 31000.3/21

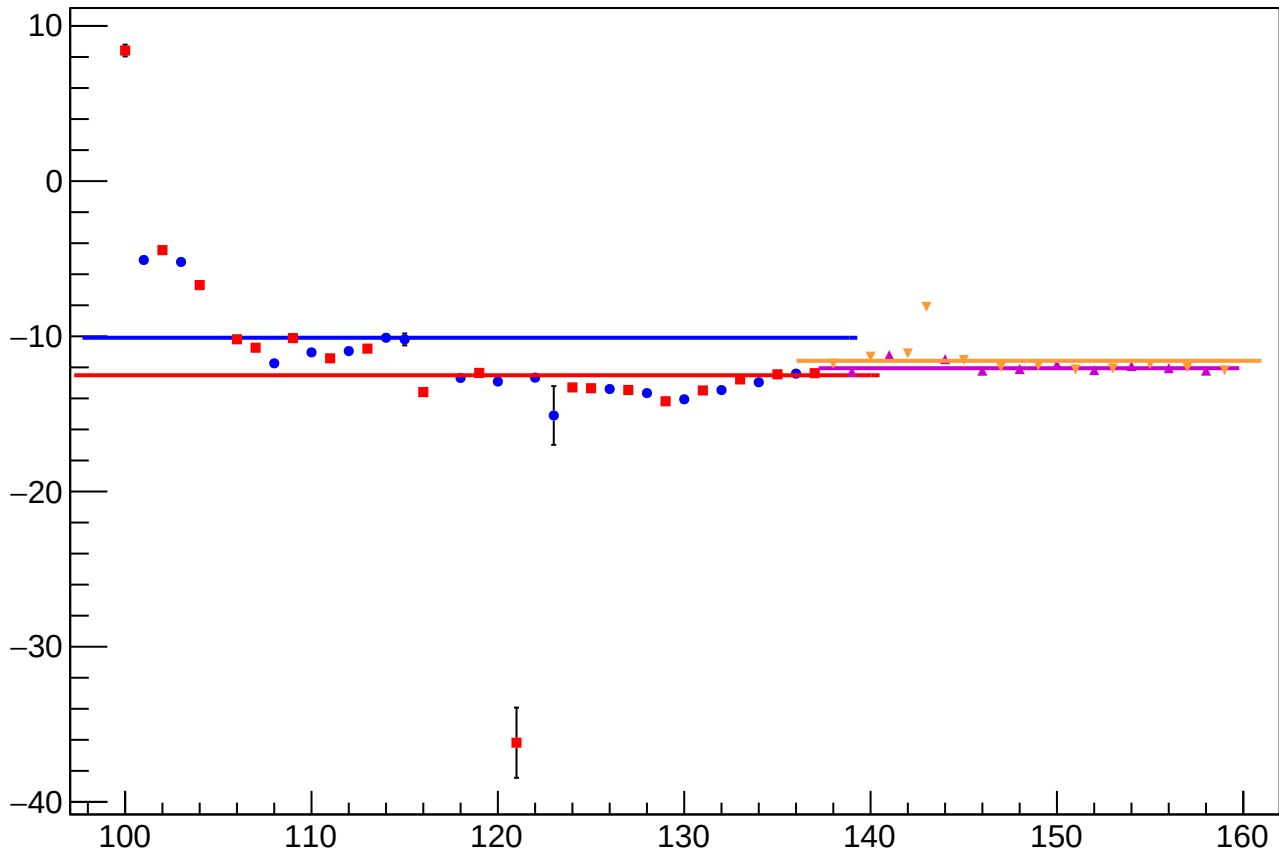
Right: 7.032 $\pm$ 0.000 χ^2 /NDF: 36990.7/35

In: 7.032 $\pm$ 0.000 χ^2 /NDF:52196.5/26

Out: 7.195 $\pm$ 0.001 χ^2 /NDF:32325.1/30

All: 7.032 $\pm$ 0.000 χ^2 /NDF: 113093.4/57

dit_sam7_4eY_slope vs Slug, Sign Corrected



Right In: -10.092 ± 0.000 χ^2/NDF : 543504.2/16

Left Out: -11.579 ± 0.002 χ^2/NDF : 389636.1/11

Right Out: -12.509 ± 0.004 χ^2/NDF : 103509.4/18

Left In: -12.055 ± 0.002 χ^2/NDF : 14602.5/9

Left: -11.822 ± 0.001 χ^2/NDF : 432017.0/21

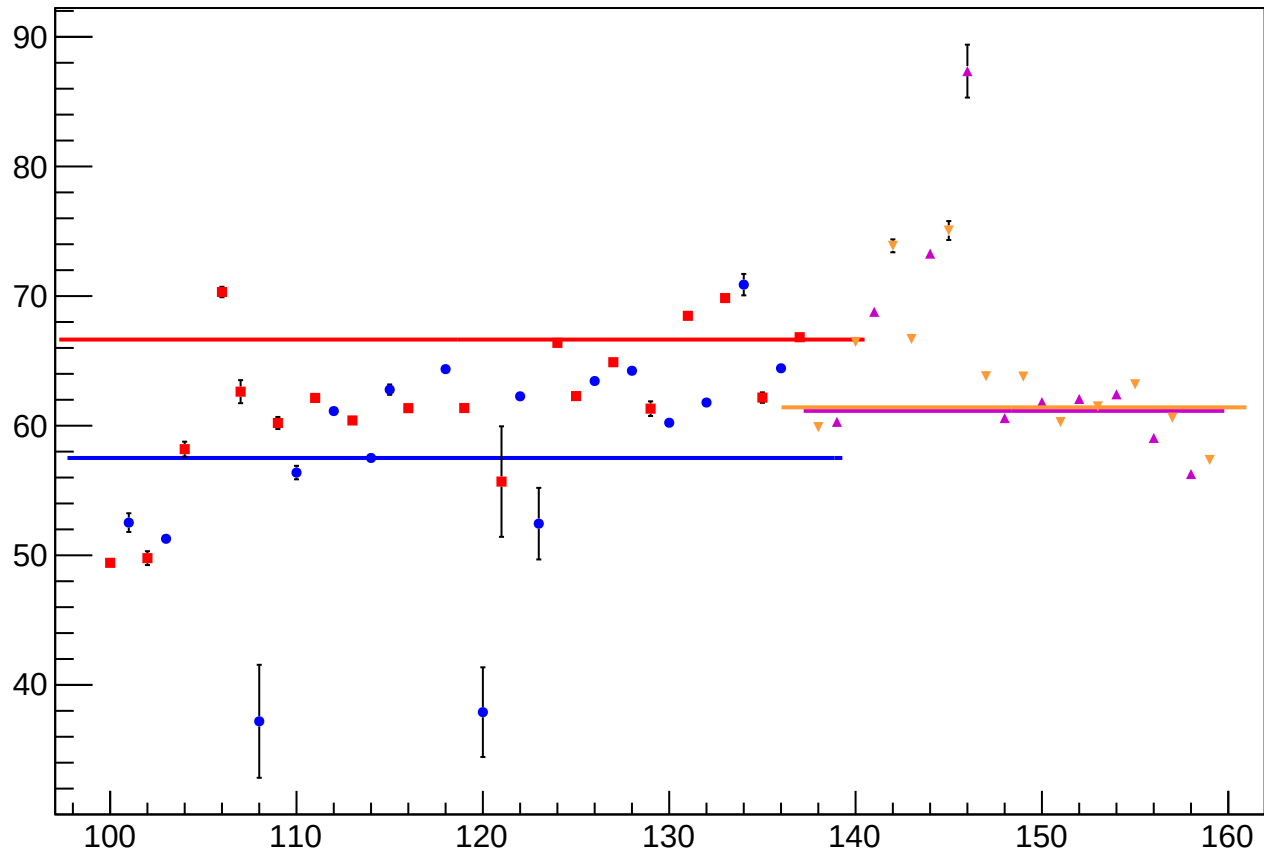
Right: -10.092 ± 0.000 χ^2/NDF : 1062248.5/35

In: -10.092 ± 0.000 χ^2/NDF : 1521914.3/26

Out: -11.791 ± 0.002 χ^2/NDF : 540559.0/30

All: -10.092 ± 0.000 χ^2/NDF : 2962168.5/57

dit_sam8_4aX_slope vs Slug, Sign Corrected



Right In: 57.510 $\pm$ 0.000 χ^2 /NDF: 8108.6/16

Left Out: 61.416 $\pm$ 0.051 χ^2 /NDF:4743.2/11

Right Out: 66.645 $\pm$ 0.013 χ^2 /NDF: 8163.8/18

Left In: 61.145 $\pm$ 0.043 χ^2 /NDF:4991.1/9

Left: 61.259 $\pm$ 0.033 χ^2 /NDF: 9750.8/21

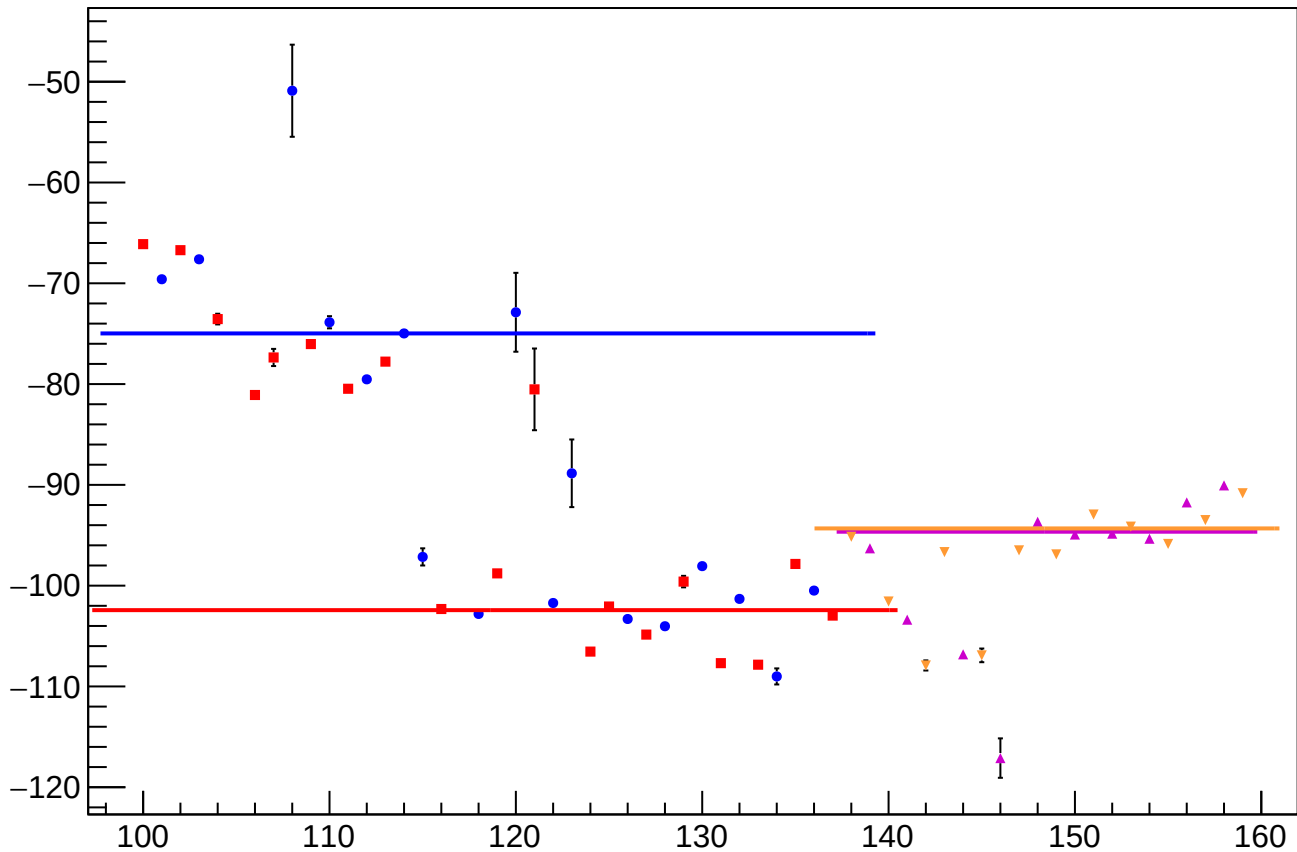
Right: 57.510 $\pm$ 0.000 χ^2 /NDF: 504438.3/35

In: 57.510 $\pm$ 0.000 χ^2 /NDF:20196.6/26

Out: 66.319 $\pm$ 0.013 χ^2 /NDF:22856.9/30

All: 57.510 $\pm$ 0.000 χ^2 /NDF: 527192.7/57

dit_sam8_4eX_slope vs Slug, Sign Corrected



Right In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 130544.0/16$

Left Out: -94.322 ± 0.051 $\chi^2/\text{NDF}: 4199.2/11$

Right Out: -102.430 ± 0.018 $\chi^2/\text{NDF}: 50377.5/18$

Left In: -94.648 ± 0.044 $\chi^2/\text{NDF}: 5365.4/9$

Left: -94.510 ± 0.033 $\chi^2/\text{NDF}: 9588.2/21$

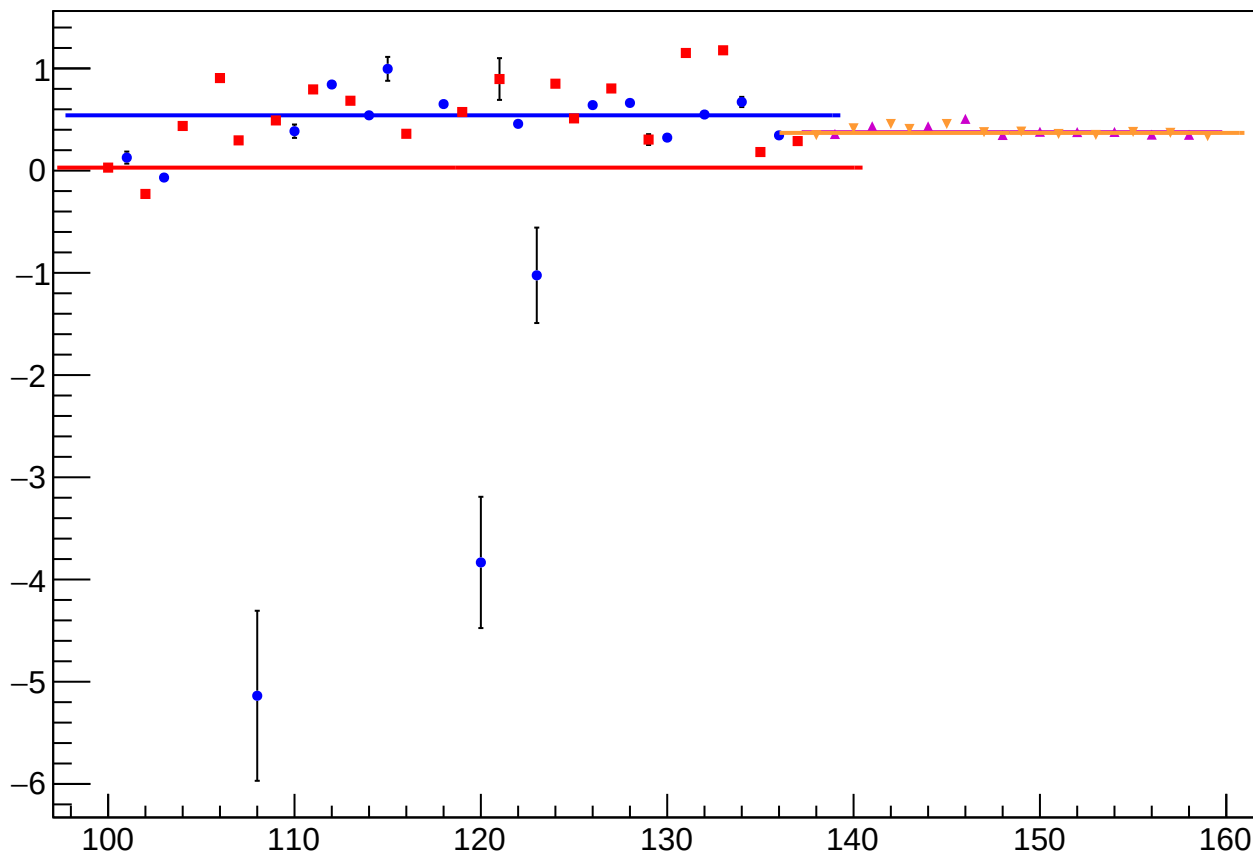
Right: -74.974 ± 0.000 $\chi^2/\text{NDF}: 2556524.2/35$

In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 337954.0/26$

Out: -101.547 ± 0.017 $\chi^2/\text{NDF}: 77154.9/30$

All: -74.974 ± 0.000 $\chi^2/\text{NDF}: 2912407.6/57$

dit_sam8_11X12X_slope vs Slug, Sign Corrected



Right In: 0.541 $\pm$ 0.000 χ^2 /NDF: 29180.5/16

Left Out: 0.369 $\pm$ 0.000 χ^2 /NDF:2697.1/11

Right Out: 0.030 $\pm$ 0.000 χ^2 /NDF: 121659.5/18

Left In: 0.376 $\pm$ 0.000 χ^2 /NDF:4019.3/9

Left: 0.374 $\pm$ 0.000 χ^2 /NDF: 6843.0/21

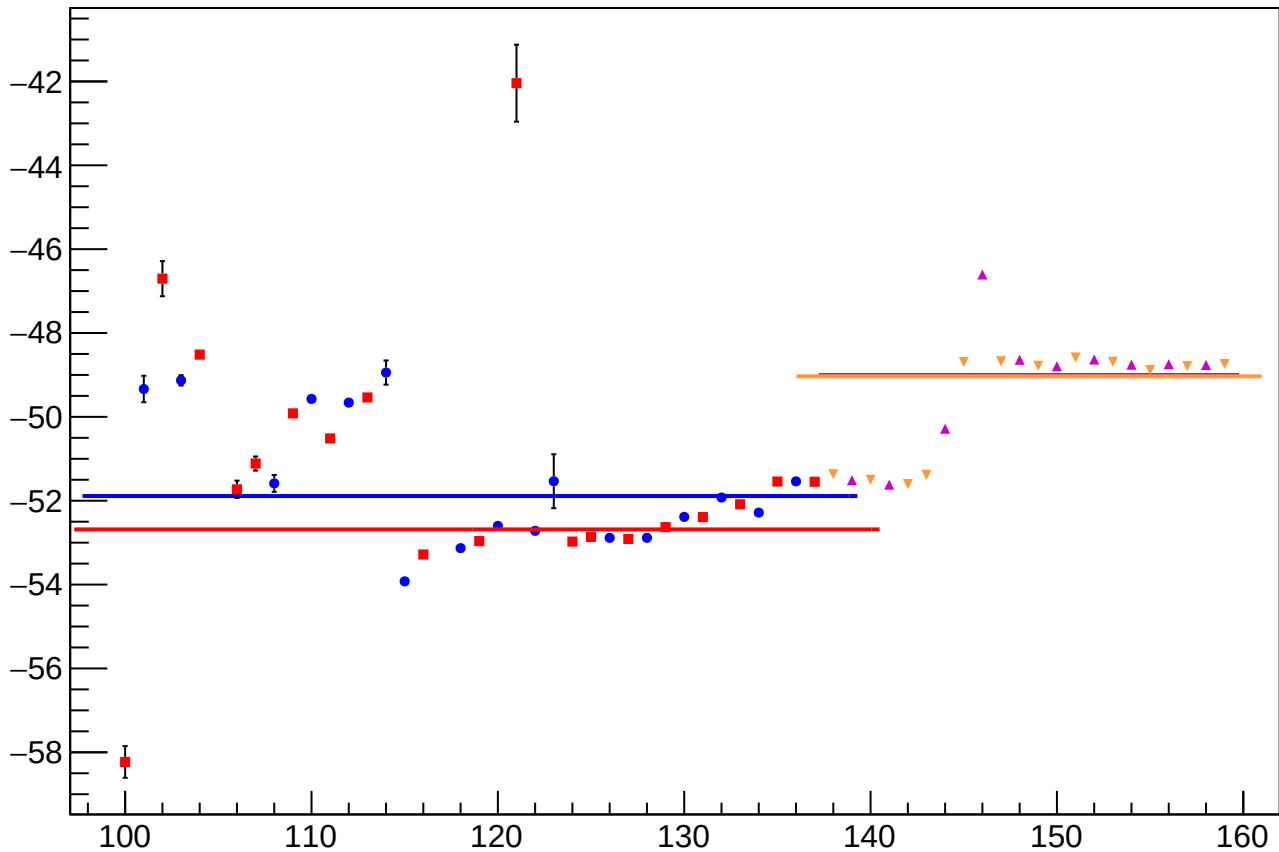
Right: 0.030 $\pm$ 0.000 χ^2 /NDF: 23314297700963382

In: 0.541 $\pm$ 0.000 χ^2 /NDF:208866.9/26

Out: 0.030 $\pm$ 0.000 χ^2 /NDF:608270.2/30

All: 0.030 $\pm$ 0.000 χ^2 /NDF: 23314297700963

dit_sam8_4aY_slope vs Slug, Sign Corrected



Right In: -51.888 ± 0.002 $\chi^2/\text{NDF}: 77585.2/16$

Left Out: -49.033 ± 0.001 $\chi^2/\text{NDF}: 339382.2/11$

Right Out: -52.684 ± 0.003 $\chi^2/\text{NDF}: 56125.8/18$

Left In: -49.002 ± 0.001 $\chi^2/\text{NDF}: 502777.3/9$

Left: -49.015 ± 0.001 $\chi^2/\text{NDF}: 842421.5/21$

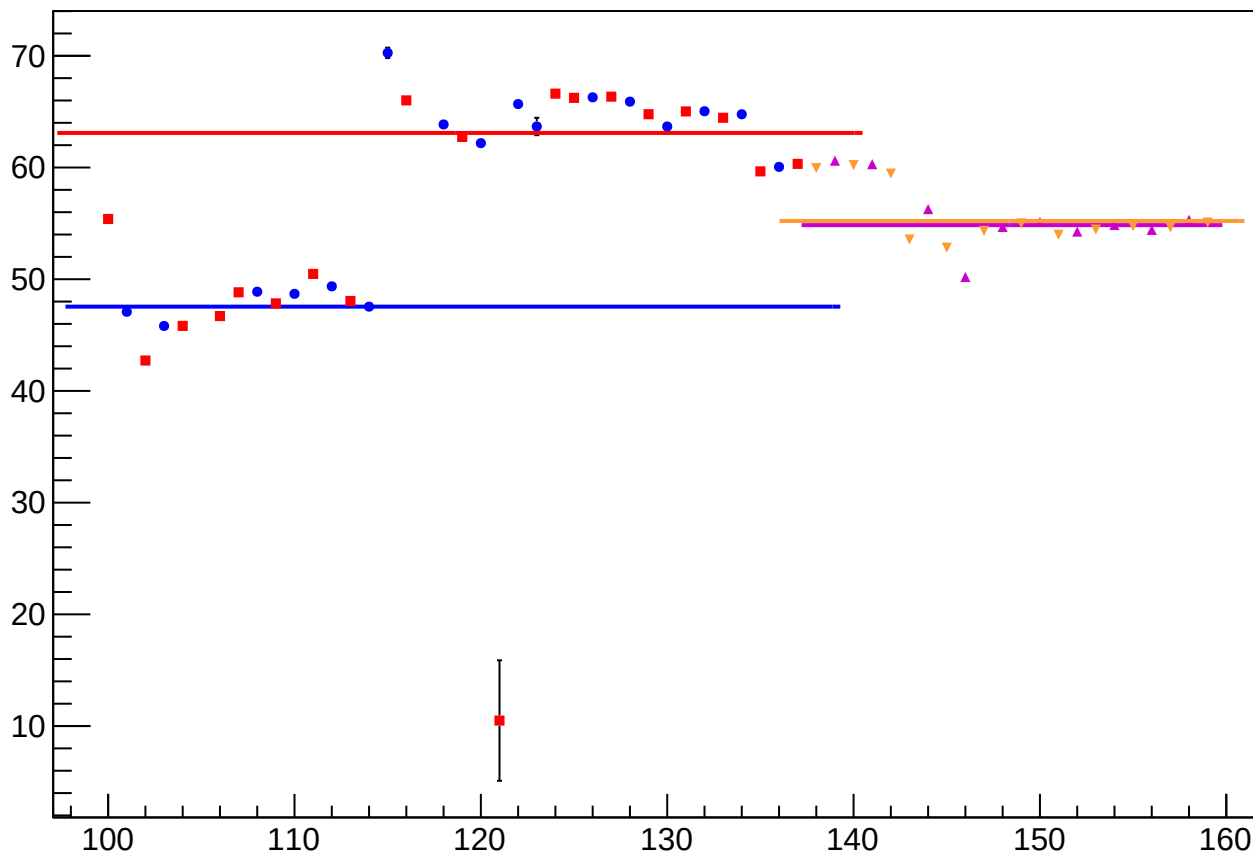
Right: -52.231 ± 0.002 $\chi^2/\text{NDF}: 188721.6/35$

In: -49.668 ± 0.001 $\chi^2/\text{NDF}: 1870733.2/26$

Out: -49.937 ± 0.001 $\chi^2/\text{NDF}: 1926121.9/30$

All: -49.780 ± 0.001 $\chi^2/\text{NDF}: 3822990.1/57$

dit_sam8_4eY_slope vs Slug, Sign Corrected



Right In: 47.545+/-0.000 χ^2/NDF : 3491700.1/16

Left Out: 55.216+/-0.004 χ^2/NDF : 222970.9/11

Right Out: 63.095+/-0.007 χ^2/NDF : 333637.2/18

Left In: 54.843+/-0.003 χ^2/NDF : 80320.2/9

Left: 54.996+/-0.002 χ^2/NDF : 309847.8/21

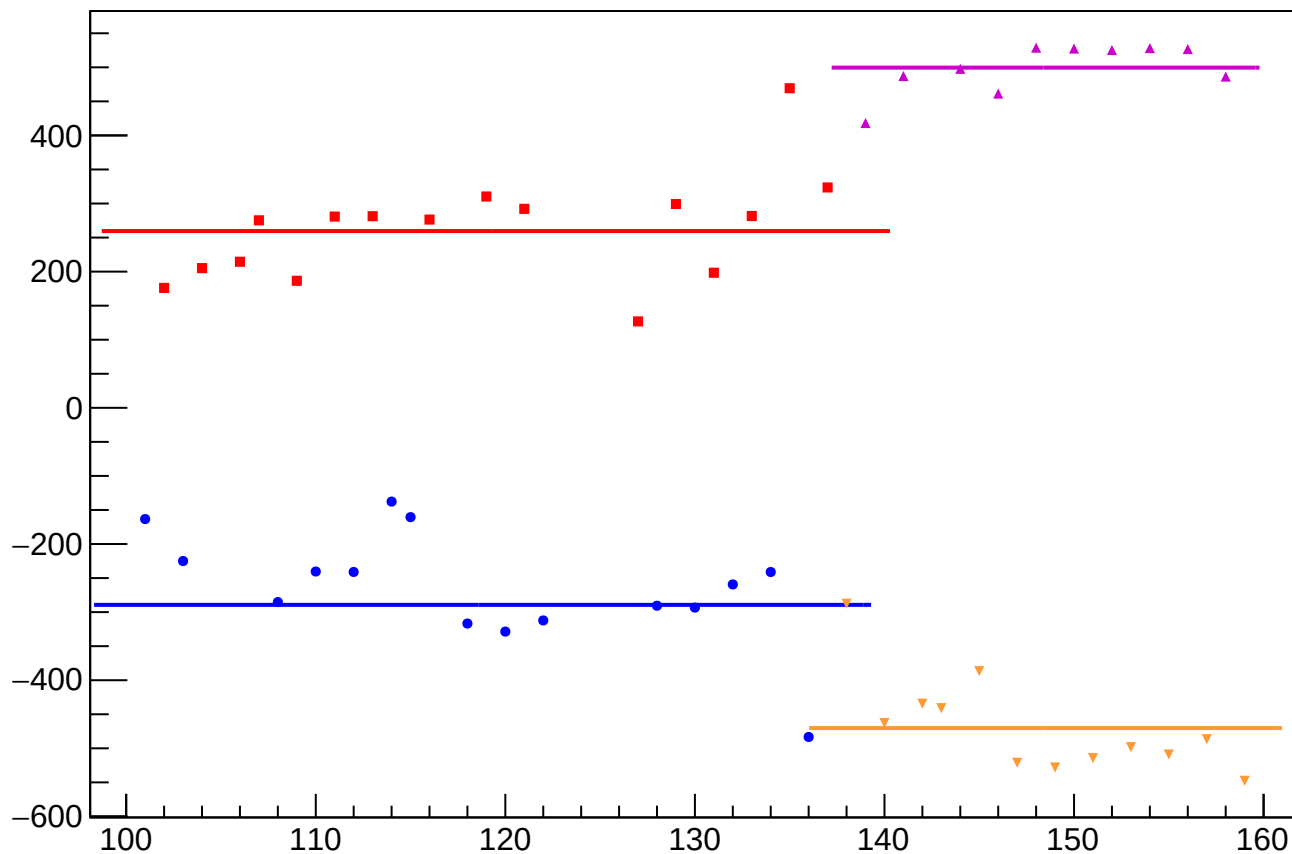
Right: 47.545+/-0.000 χ^2/NDF : 8155028.5/35

In: 47.545+/-0.000 χ^2/NDF : 9709313.5/26

Out: 56.658+/-0.003 χ^2/NDF : 1464872.6/30

All: 47.545+/-0.000 χ^2/NDF : 19298975.6/57

dit_4aX_coil1_mean vs Slug, Sign Corrected



Right In: -289.322+/-0.000

χ^2/NDF : 53696816404891478649585392183934976.0/14

Left Out: -470.248+/-0.000

χ^2/NDF : 4607361900635133507336893174223208448.0/11

Right Out: 259.558+/-0.000

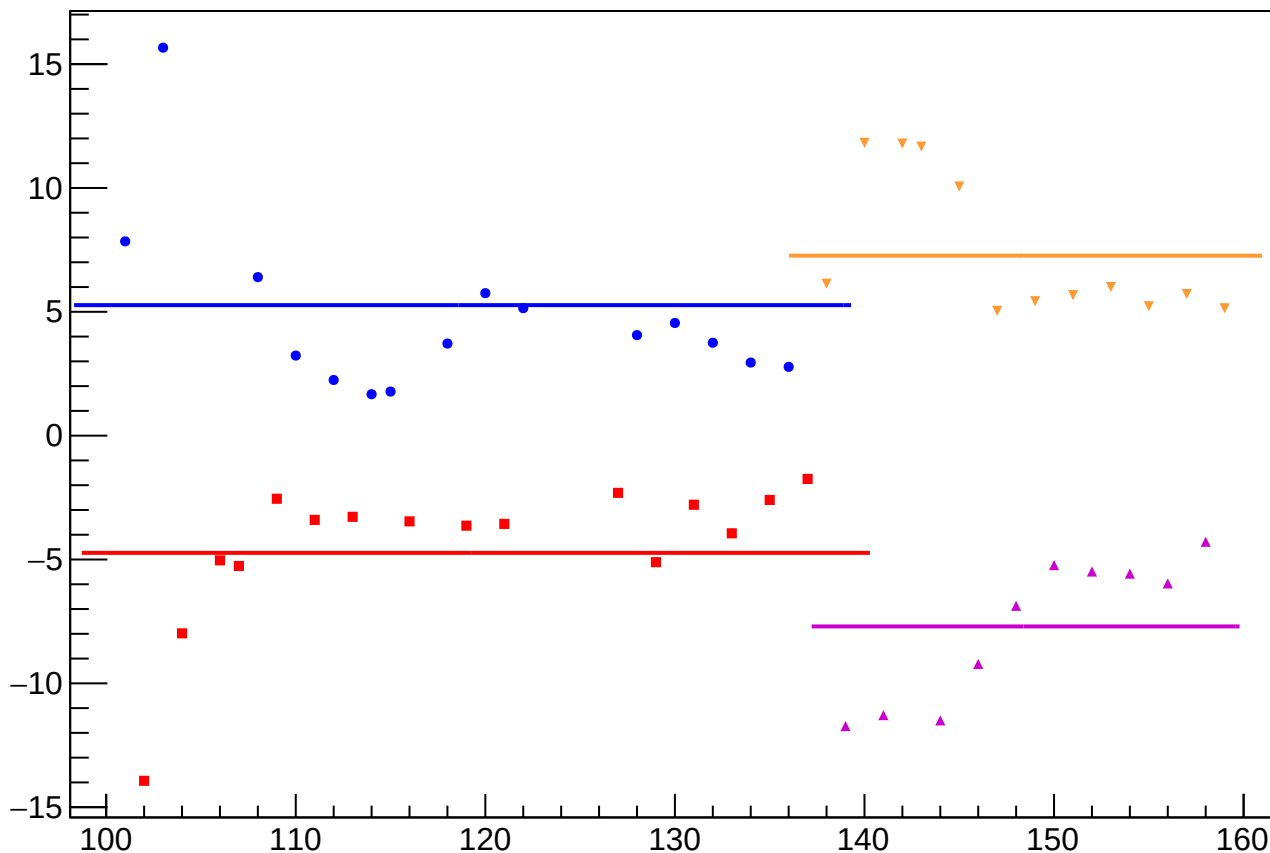
χ^2/NDF : 4299886792692123970784563983770714112.0/15

Left In: 499.564+/-0.000

χ^2/NDF : 101817301666348318126910884122984448.0/9

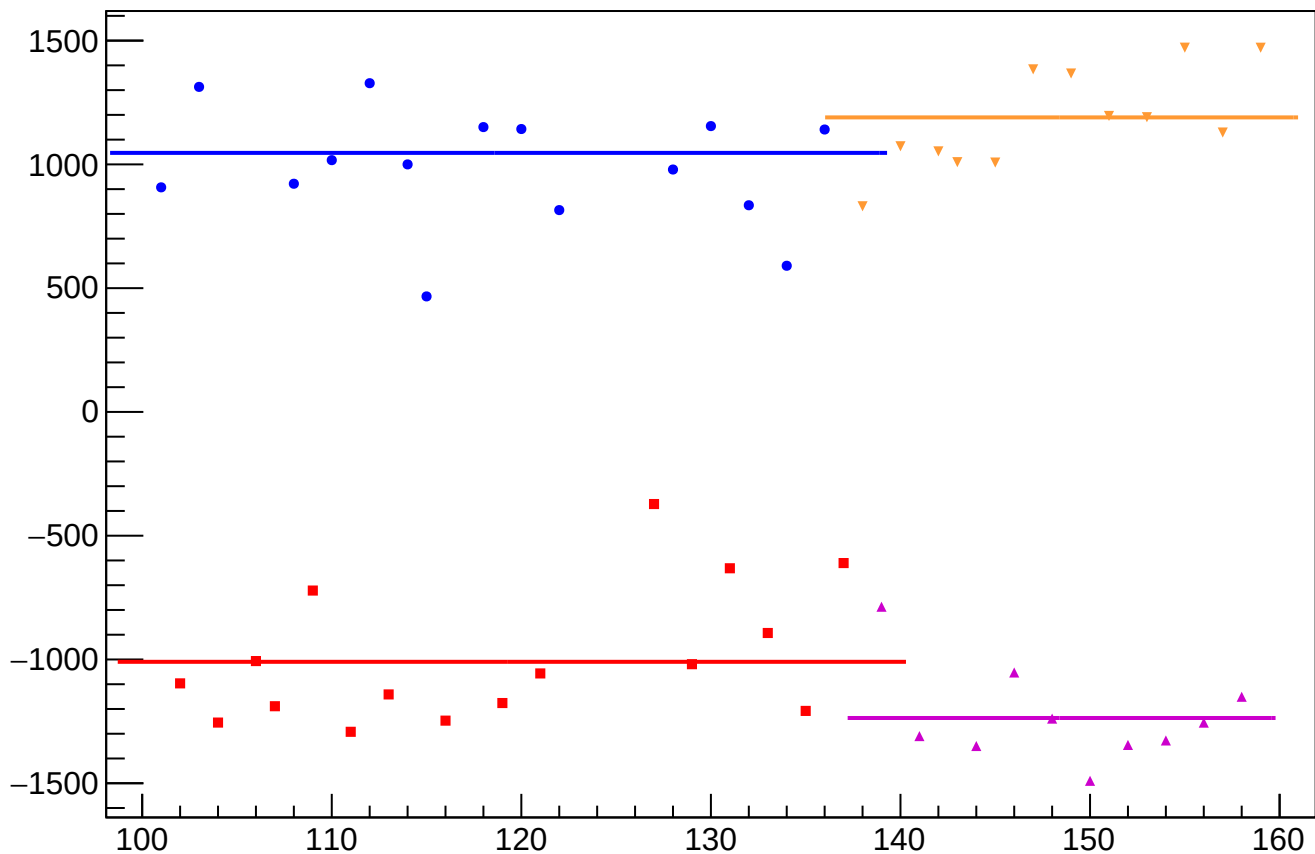
All: -6.887+/-0.000 χ^2/NDF : 5293194128371

dit_4aX_coil1_err_mean vs Slug, Sign Corrected



Right In: 5.270 ± 0.000 χ^2/NDF : 8709683292123798330550906790084608.0/14
 Left Out: 7.267 ± 0.000 χ^2/NDF : 6561845891361438099452945363894272.0/11
 Right Out: -4.732 ± 0.000 χ^2/NDF : 6856893072575211562802281426452480.0/15
 Left In: -7.702 ± 0.000 χ^2/NDF : 6509446328332455779899562205904896.0/9
 All: 0.124 ± 0.000 χ^2/NDF : 16039665248156

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

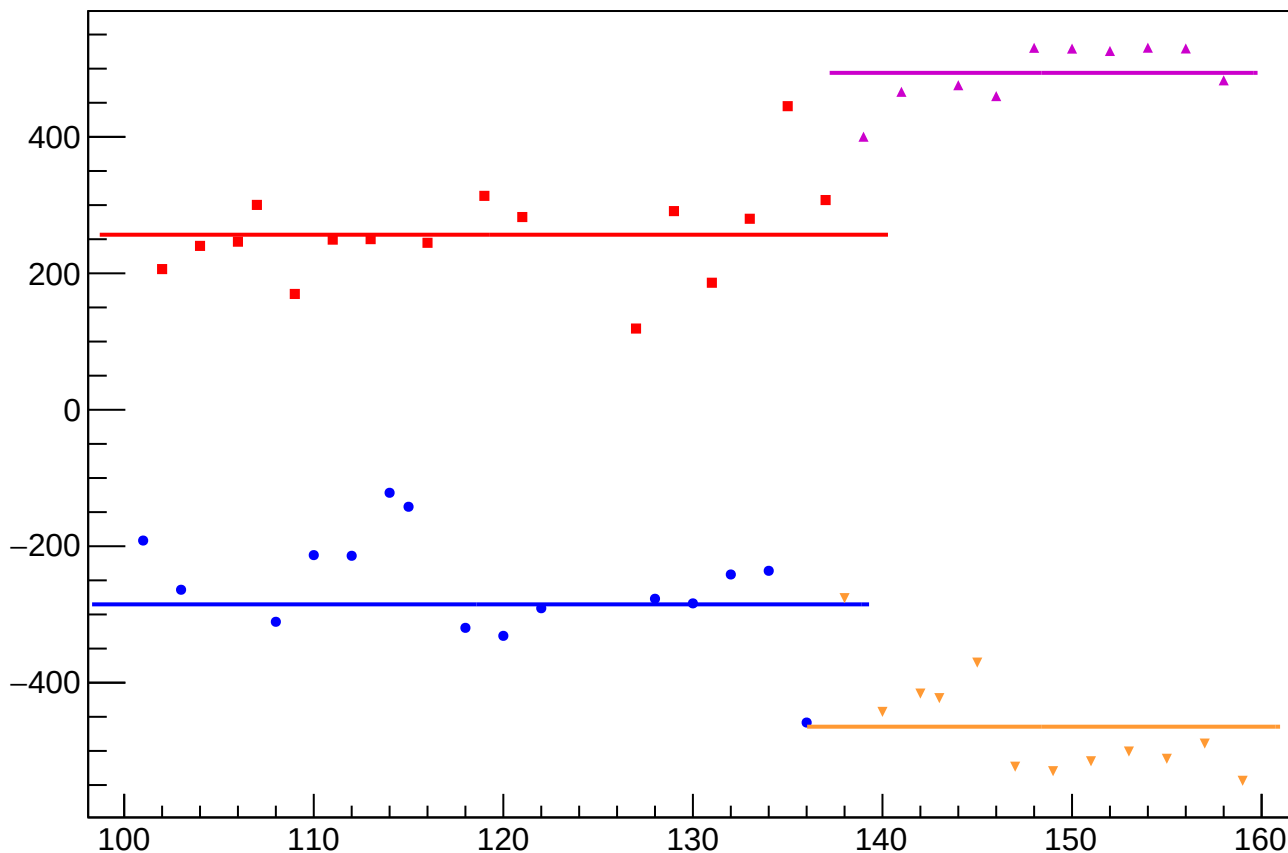
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

Left: 22.705+/-0.000 χ^2/NDF : 26611611379112939
 Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576
 In: -248.015+/-0.000 χ^2/NDF : 1971818157373371
 Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667
 All: 14.918+/-0.000 χ^2/NDF : 4121261556702

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: 493.836+/-0.000

χ^2/NDF : 4479585262853549838092521921291747328.0/14

χ^2/NDF : 5412512273744603577474879660526403584.0/11

χ^2/NDF : 3648271535971039165952602563191767040.0/15

χ^2/NDF : 1451761581329012090508054550588424192.0/9

Left: -3.494+/-0.000 χ^2/NDF : 41197646042993471

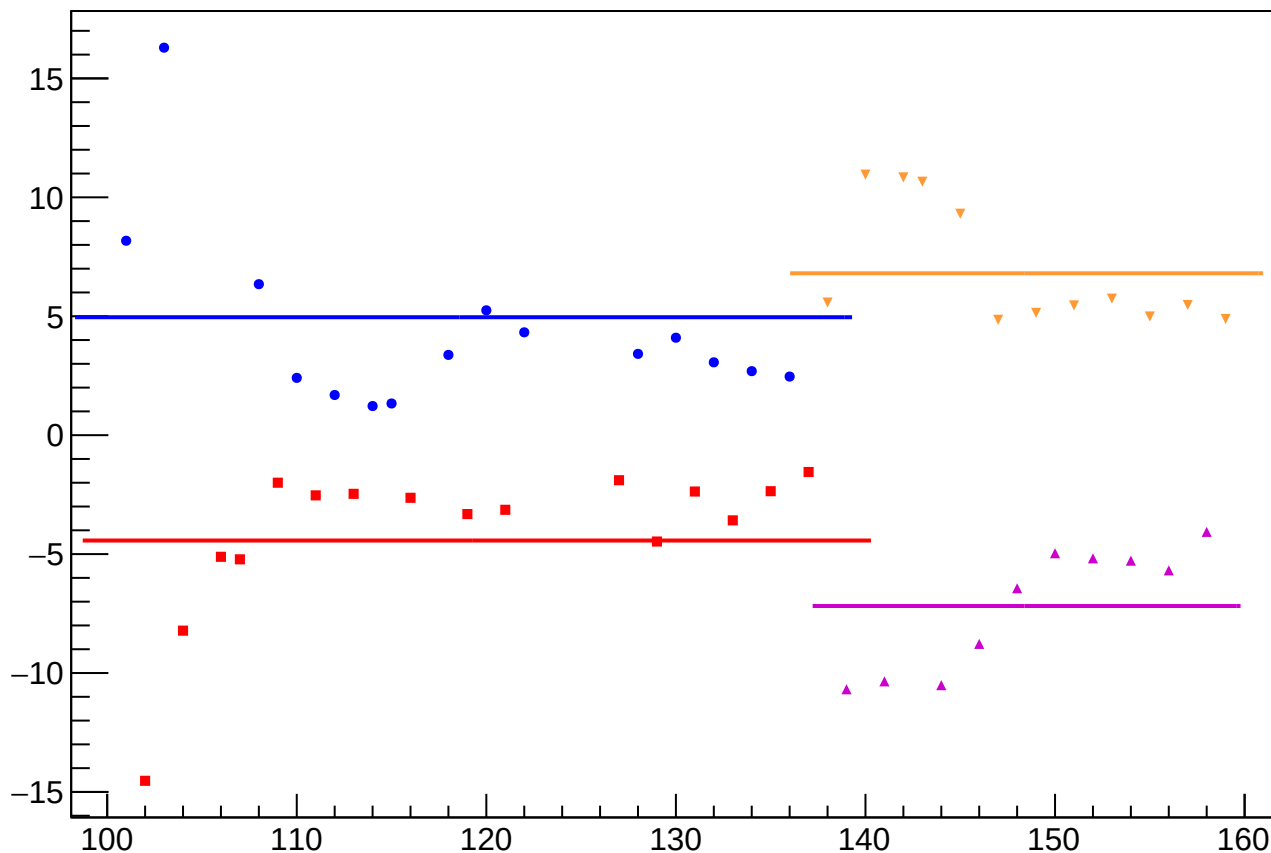
Right: -10.589+/-0.000 χ^2/NDF : 104681795299957

In: 156.554+/-0.000 χ^2/NDF : 22926895845224309

Out: -160.848+/-0.000 χ^2/NDF : 209837987568430

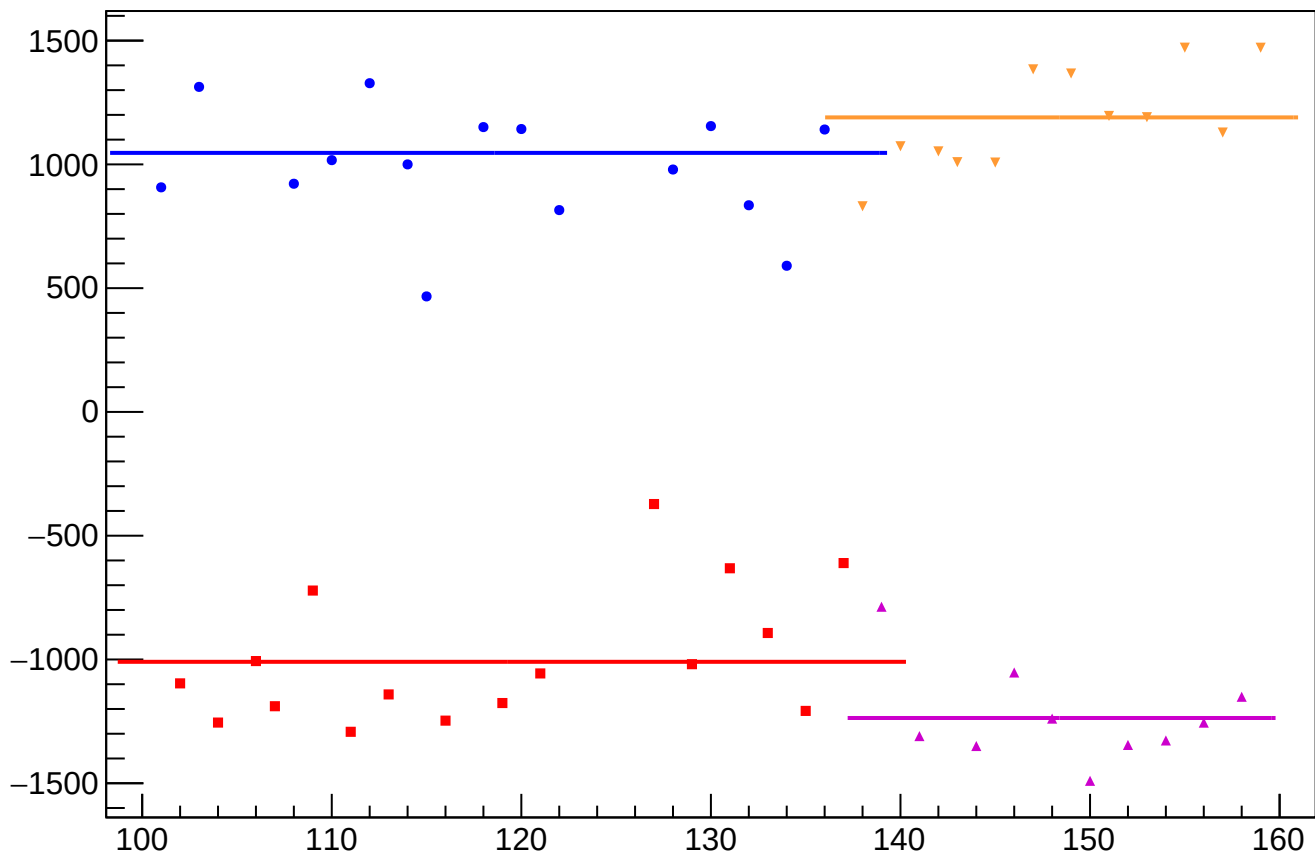
All: -6.523+/-0.000 χ^2/NDF : 5166962169065

dit_4eX_coil1_err_mean vs Slug, Sign Corrected



Right In: 4.959 $\pm$ 0.000 χ^2 /NDF: 10465467057143371817371681641463808.0/14
 Left Out: 6.806 $\pm$ 0.000 χ^2 /NDF: 5243464744446974431083540143669248.0/11
 Right Out: -4.429 $\pm$ 0.000 χ^2 /NDF: 8371440400334524571131796772618240.0/15
 Left In: -7.183 $\pm$ 0.000 χ^2 /NDF: 5176964626841566910242899756056576.0/9
 All: 0.130 $\pm$ 0.000 χ^2 /NDF: 14457399828158

dit_4eX_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

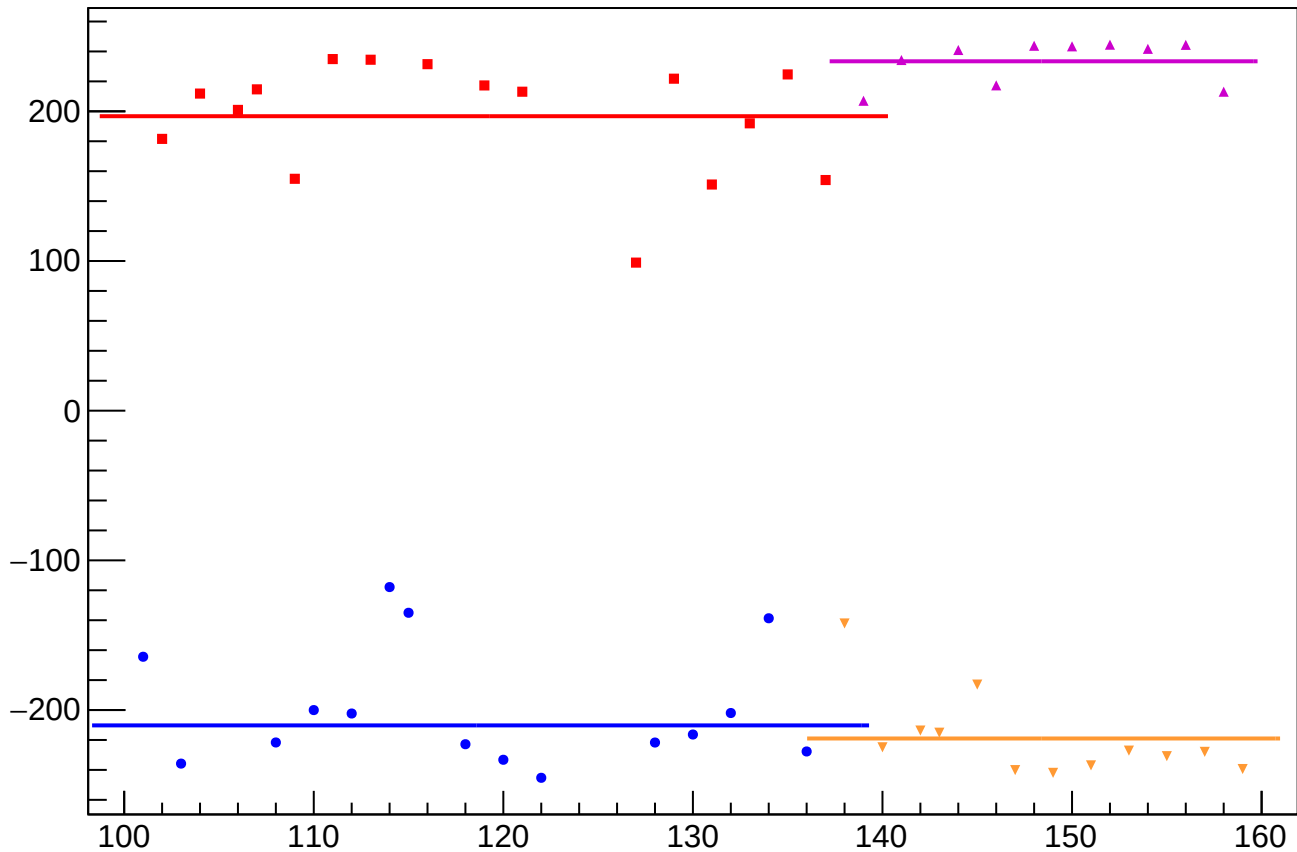
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

Left: 22.705+/-0.000 χ^2/NDF : 26611611379112939
 Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576
 In: -248.015+/-0.000 χ^2/NDF : 1971818157373371
 Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667
 All: 14.918+/-0.000 χ^2/NDF : 4121261556702

dit_11X12X_coil1_mean vs Slug, Sign Corrected



Right In: -210.261+/-0.000

χ^2/NDF : 567711076568068409192467700494893056.0/14

Left Out: -219.010+/-0.000

χ^2/NDF : 731132234342099268900131615977504768.0/11

Right Out: 196.736+/-0.000

χ^2/NDF : 909588895093044840633640514790359040.0/15

Left In: 233.424+/-0.000

χ^2/NDF : 161019199209953385726327700318060544.0/9

Left: -1.371+/-0.000 χ^2/NDF : 91186810446521886

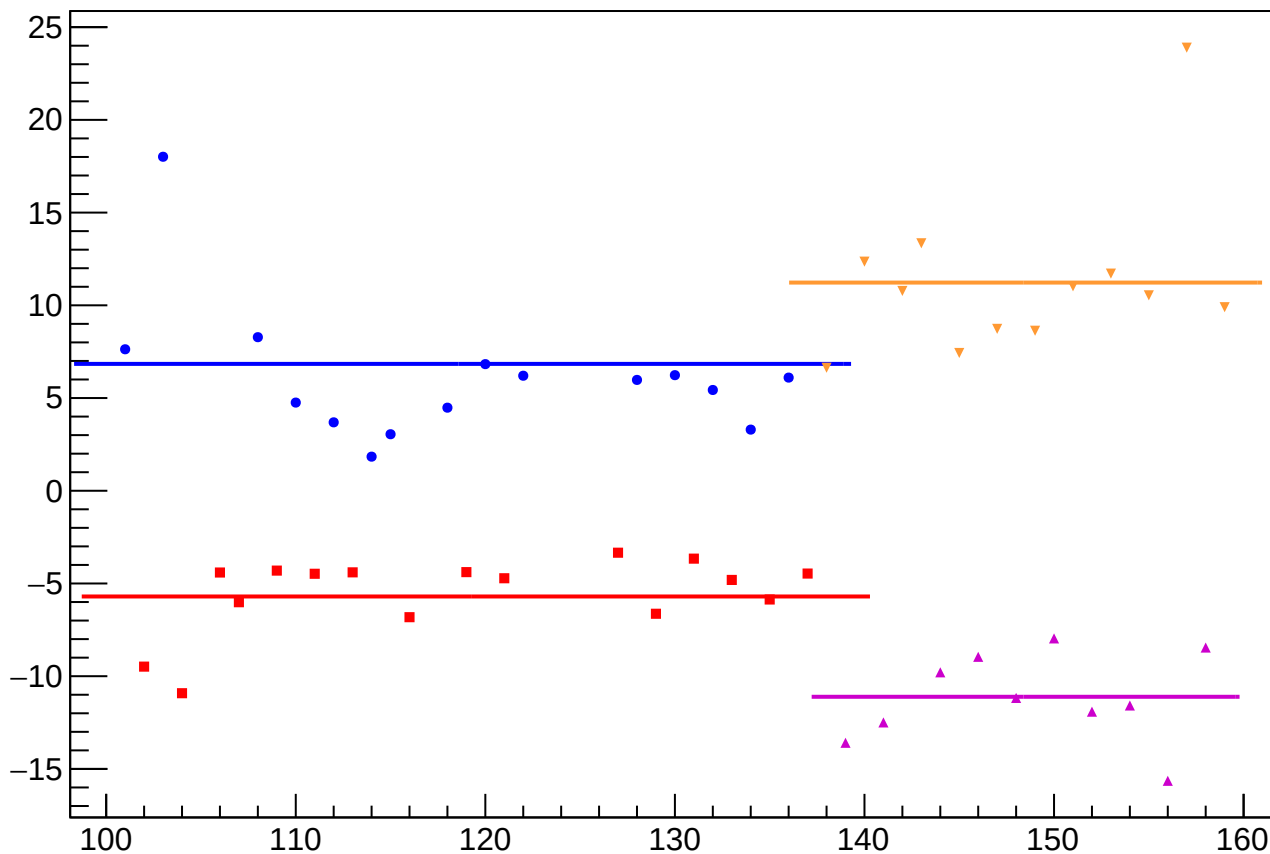
Right: -3.979+/-0.000 χ^2/NDF : 5596508618889263

In: 41.328+/-0.000 χ^2/NDF : 731743387618941023

Out: -43.945+/-0.000 χ^2/NDF : 6838245163544745

All: -2.484+/-0.000 χ^2/NDF : 1471570282508

dit_11X12X_coil1_err_mean vs Slug, Sign Corrected



Right In: 6.842 ± 0.000

χ^2/NDF : 9355934166823324467316647620771840.0/14

Left Out: 11.226 ± 0.000

χ^2/NDF : 17157831728505810554543577208193024.0/11

Right Out: -5.701 ± 0.000

χ^2/NDF : 3174693398300953393137731791486976.0/15

Left In: -11.110 ± 0.000

χ^2/NDF : 4392144303294784366056229966970880.0/9

Left: 0.482 ± 0.000 χ^2/NDF : 241622226807845483

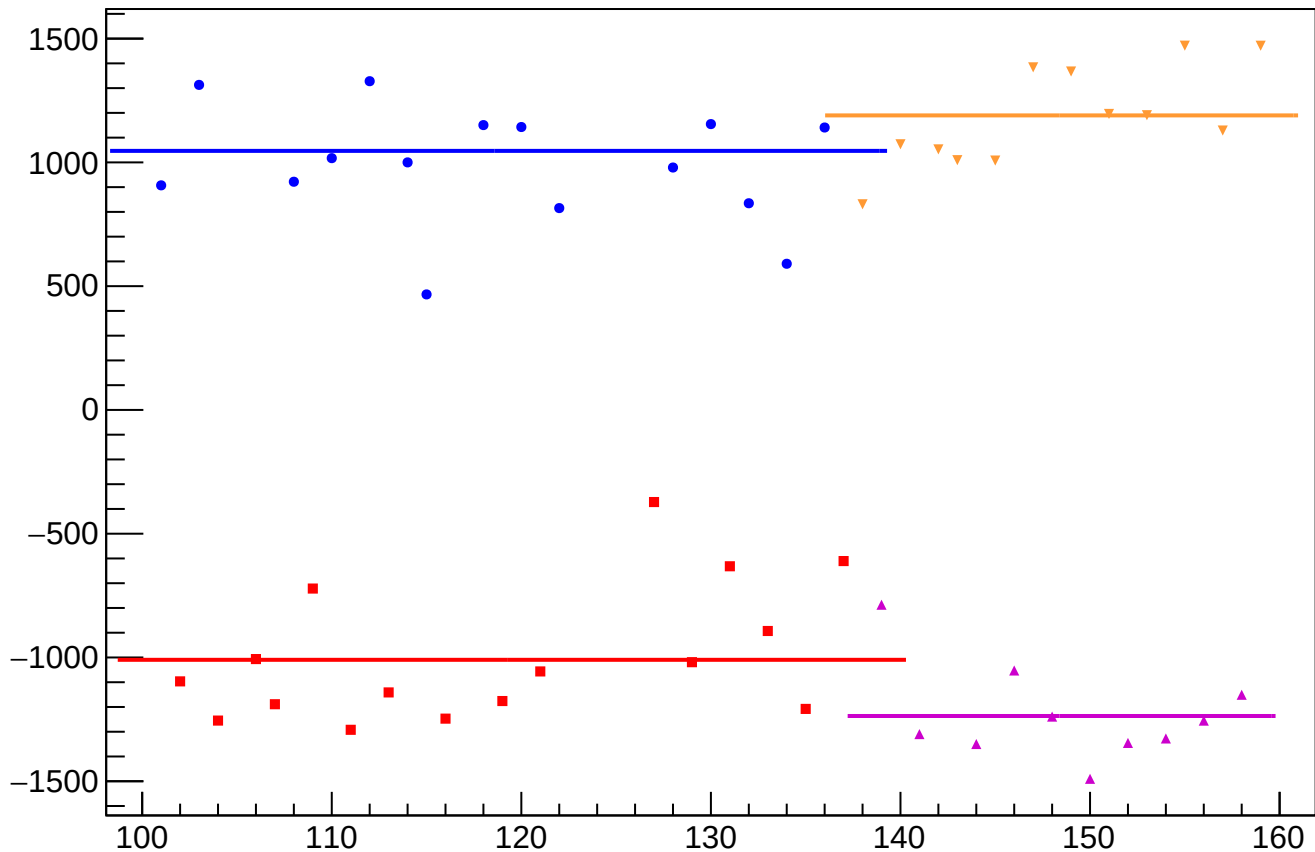
Right: 0.484 ± 0.000 χ^2/NDF : 64278461955509291

In: -3.338 ± 0.000 χ^2/NDF : 132338985047016209

Out: 4.098 ± 0.000 χ^2/NDF : 130975377003589800

All: 0.483 ± 0.000 χ^2/NDF : 30590069408729

dit_11X12X_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: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

Left: 22.705+/-0.000 χ^2/NDF : 26611611379112939

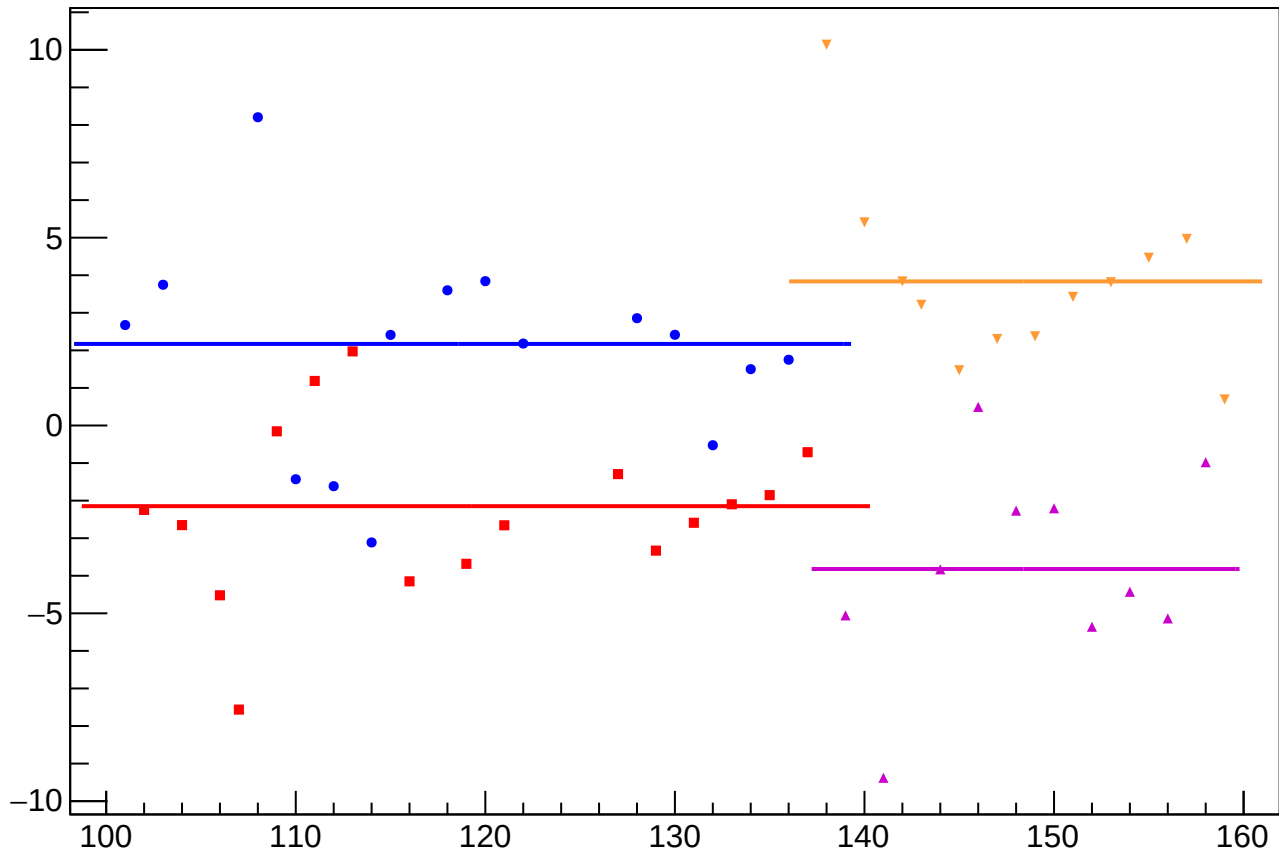
Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576

In: -248.015+/-0.000 χ^2/NDF : 1971818157373371

Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667

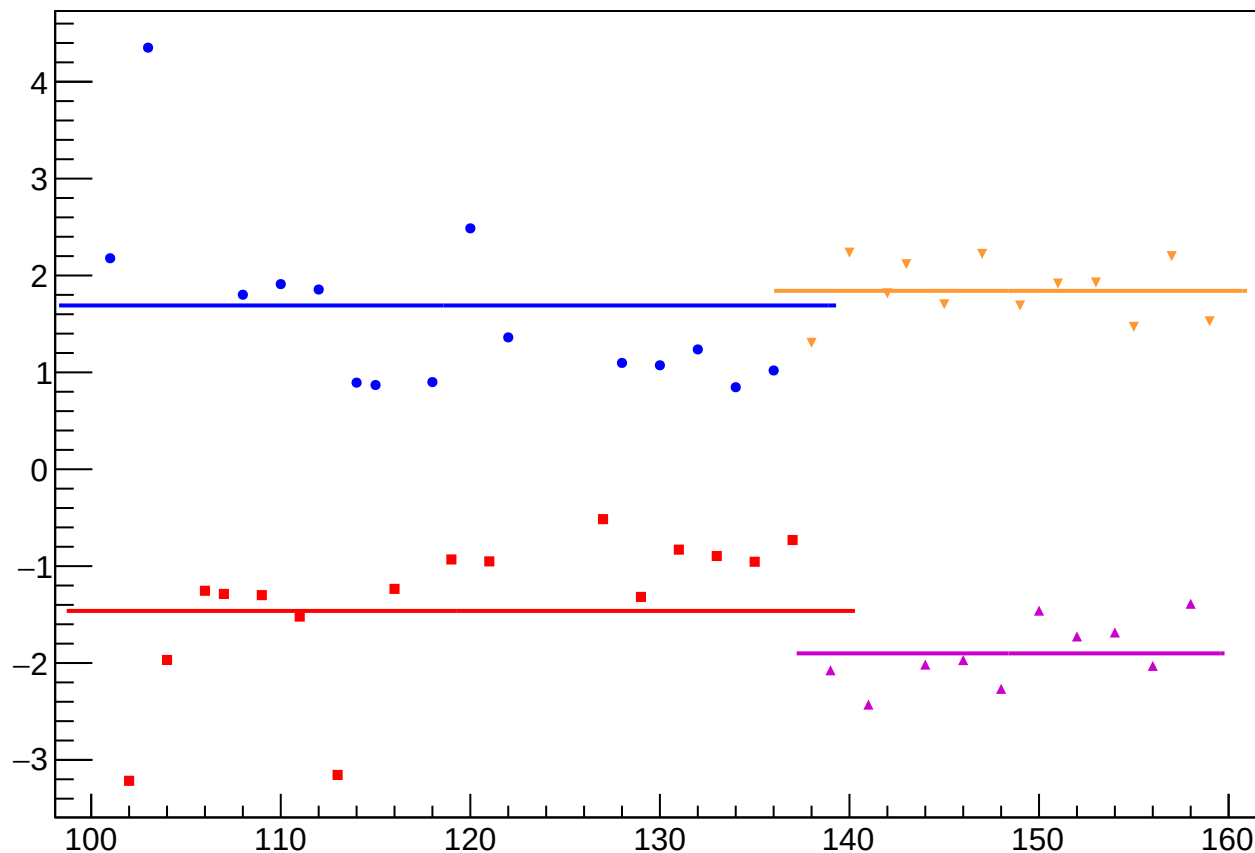
All: 14.918+/-0.000 χ^2/NDF : 4121261556702

dit_4aY_coil1_mean vs Slug, Sign Corrected



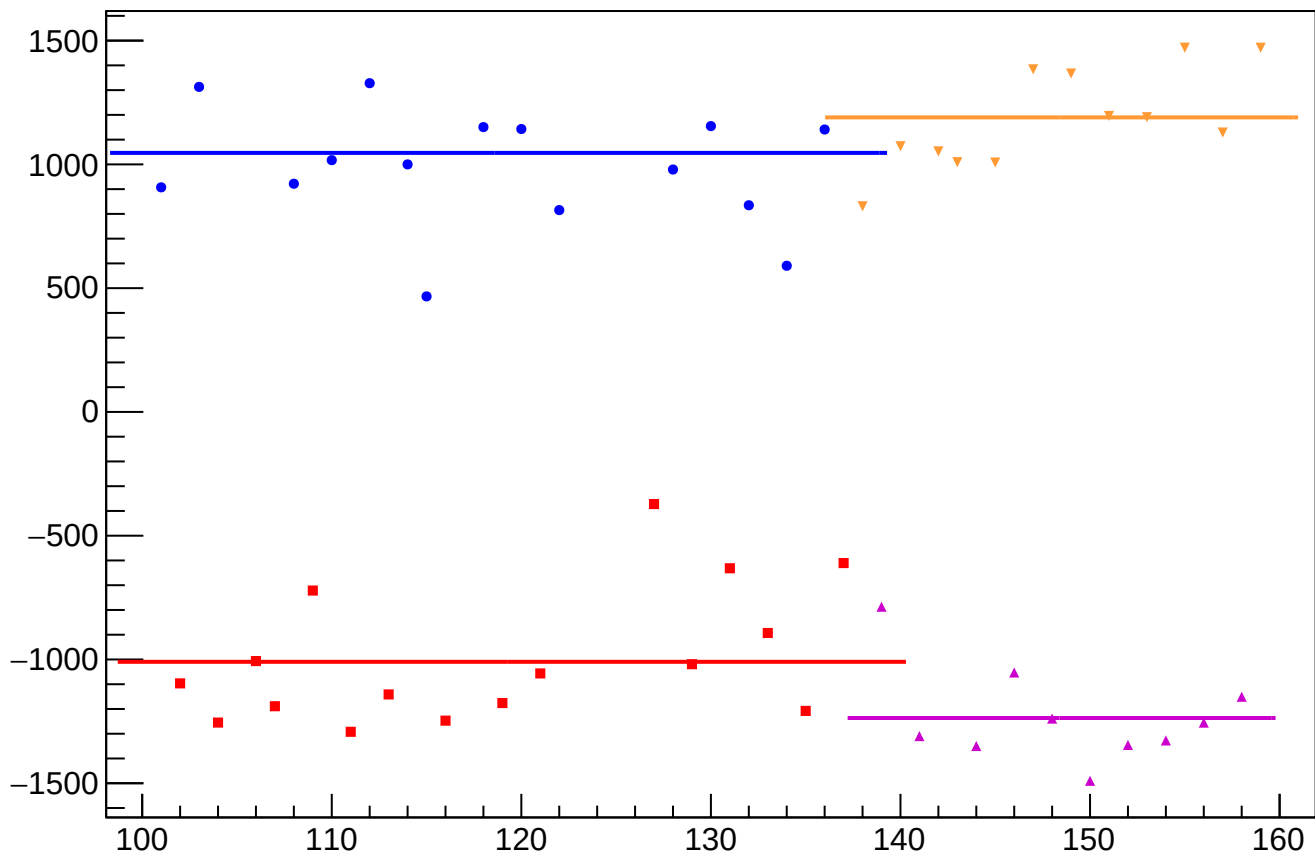
Right In: 2.171 $\pm$ 0.000 χ^2 /NDF: 3599819246909975678410499691642880.0/14
 Left Out: 3.836 $\pm$ 0.000 χ^2 /NDF: 5077142493205652960507998024761344.0/11
 Right Out: -2.148 $\pm$ 0.000 χ^2 /NDF: 3093887336239378959606321931878400.0/15
 Left In: -3.820 $\pm$ 0.000 χ^2 /NDF: 5766476614767563881001025567457280.0/9
 All: 0.080 $\pm$ 0.000 χ^2 /NDF: 49551116377175

dit_4aY_coil1_err_mean vs Slug, Sign Corrected



Right In: 1.691 $\pm$ 0.000 χ^2 /NDF: 612163393317609859674079412355072.0/14
 Left Out: 1.841 $\pm$ 0.000 χ^2 /NDF: 85338663213371601399207847526400.0/11
 Right Out: -1.462 $\pm$ 0.000 χ^2 /NDF: 444384511662519040022371754835968.0/15
 Left In: -1.901 $\pm$ 0.000 χ^2 /NDF: 86170724116066078112428809256960.0/9
 All: 0.063 $\pm$ 0.000 χ^2 /NDF: 10676479165497.0/14

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

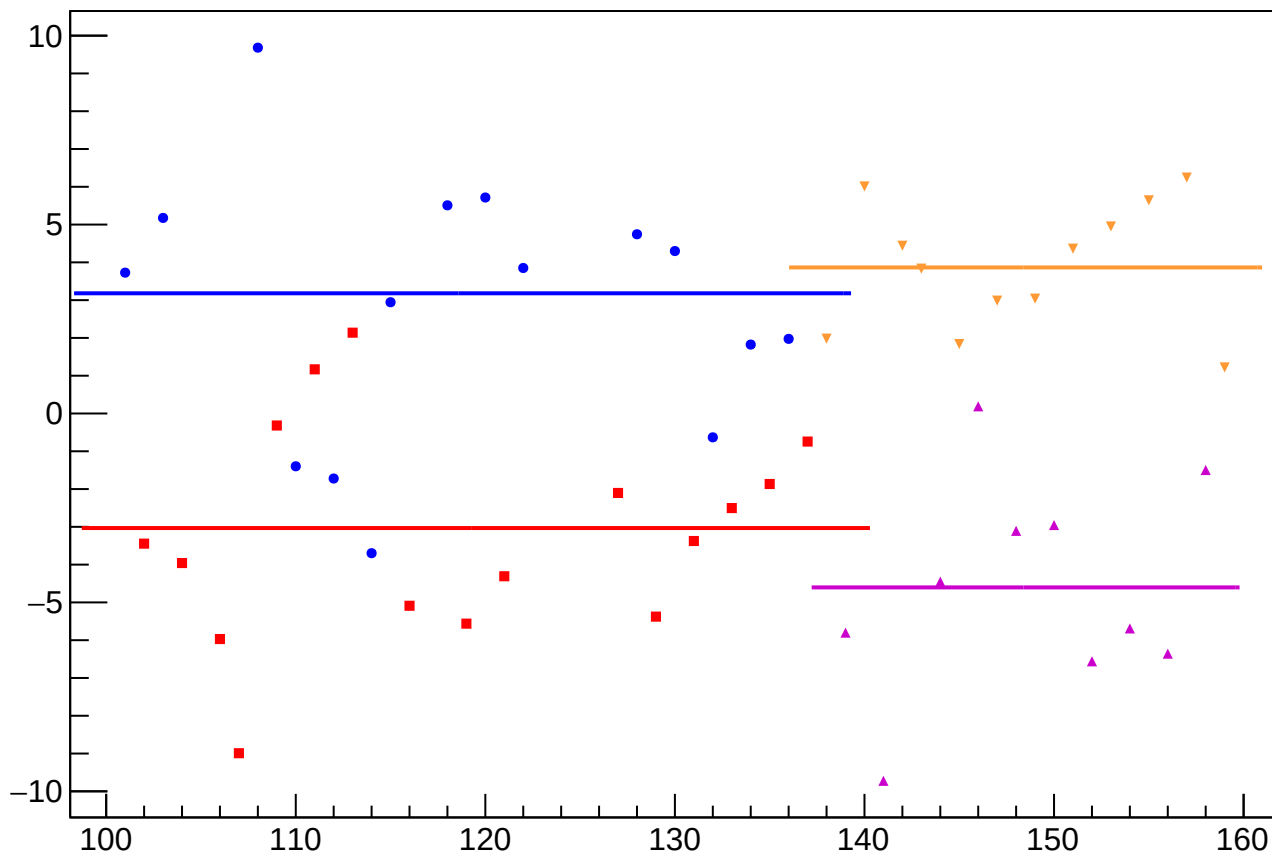
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

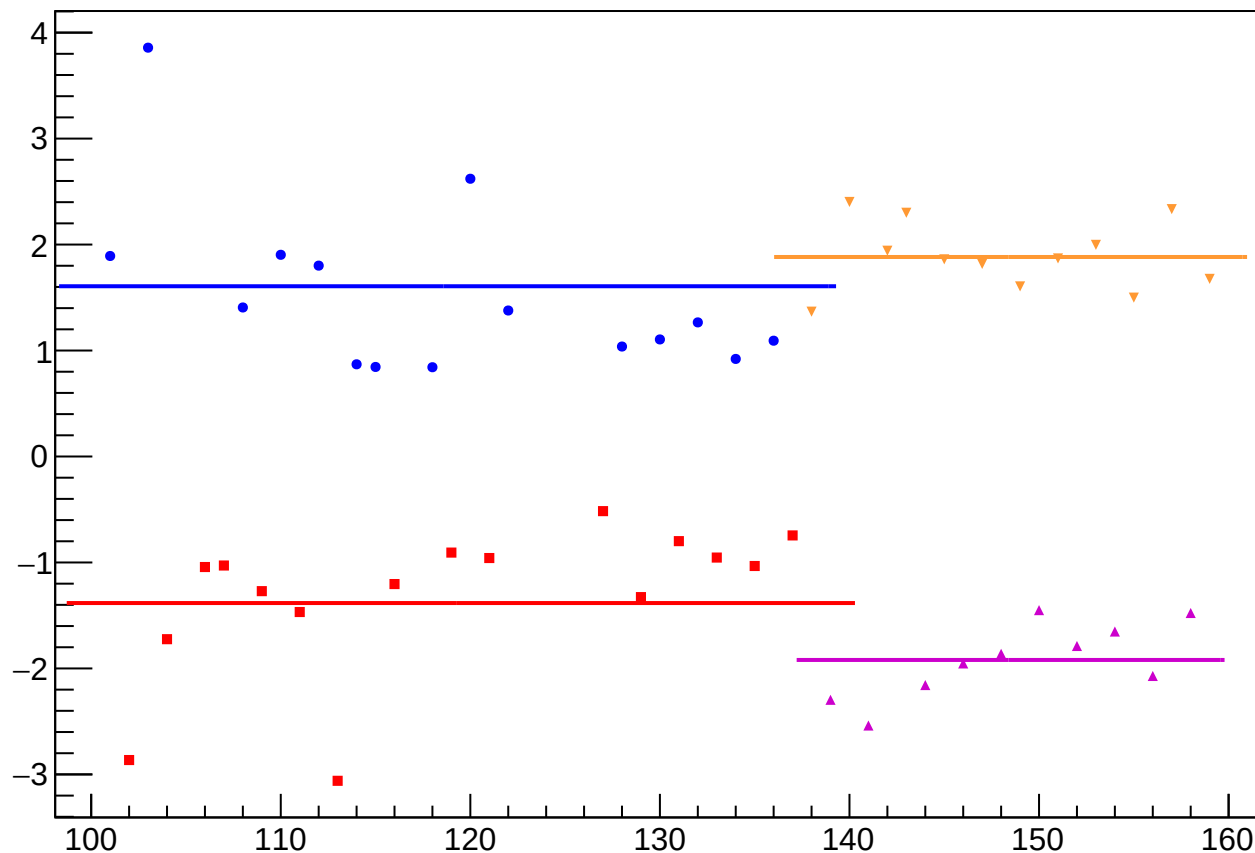
Left: 22.705+/-0.000 χ^2/NDF : 26611611379112939
 Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576
 In: -248.015+/-0.000 χ^2/NDF : 1971818157373371
 Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667
 All: 14.918+/-0.000 χ^2/NDF : 4121261556702

dit_4eY_coil1_mean vs Slug, Sign Corrected



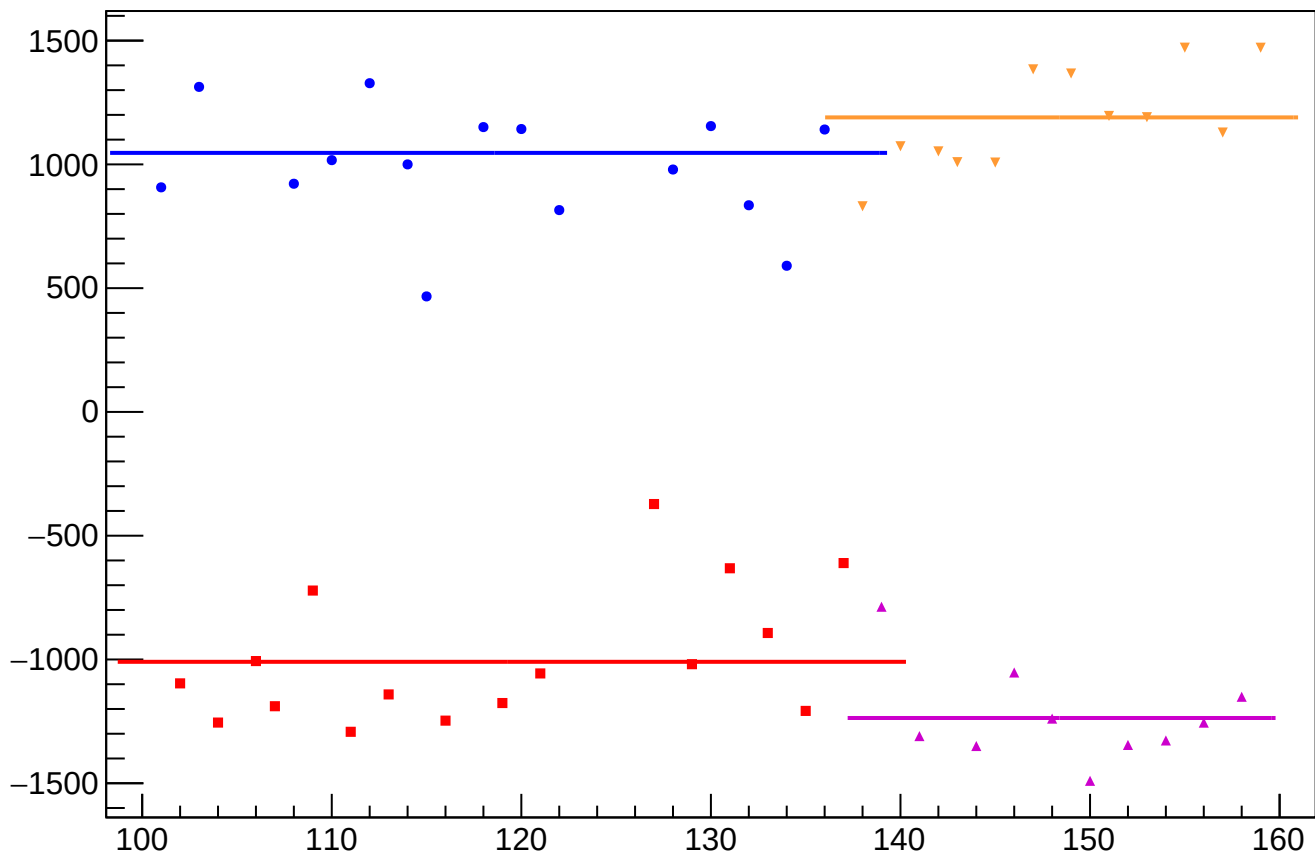
Right In: 3.181 ± 0.000 $\chi^2/\text{NDF}: 5833303227868252617704566394191872.0/14$
 Left Out: 3.865 ± 0.000 $\chi^2/\text{NDF}: 2498021792424542817214204578103296.0/11$
 Right Out: -3.032 ± 0.000 $\chi^2/\text{NDF}: 4937209831371793945496546833334272.0/15$
 Left In: -4.603 ± 0.000 $\chi^2/\text{NDF}: 6153561026418114237773868926238720.0/9$
 All: -0.106 ± 0.000 $\chi^2/\text{NDF}: 6379506107767$

dit_4eY_coil1_err_mean vs Slug, Sign Corrected



Right In: 1.607 $\pm$ 0.000 χ^2 /NDF: 460949628640148184181205735833600.0/14
 Left Out: 1.883 $\pm$ 0.000 χ^2 /NDF: 93981074591902245168022313500672.0/11
 Right Out: -1.383 $\pm$ 0.000 χ^2 /NDF: 358348897016286200957650337792000.0/15
 Left In: -1.920 $\pm$ 0.000 χ^2 /NDF: 95117631459235789172080944087040.0/9
 All: 0.070 $\pm$ 0.000 χ^2 /NDF: 10327794574153

dit_4eY_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

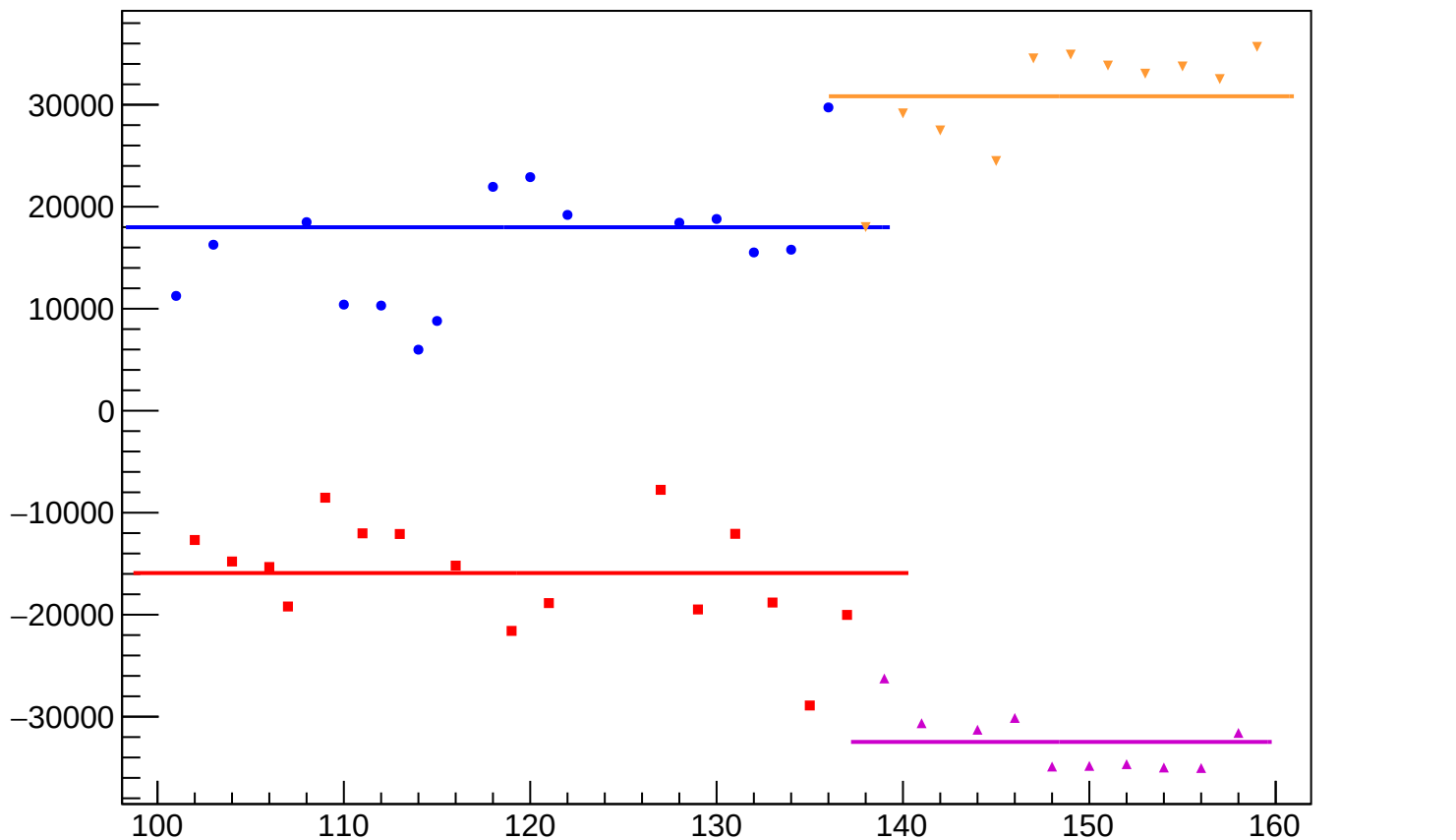
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

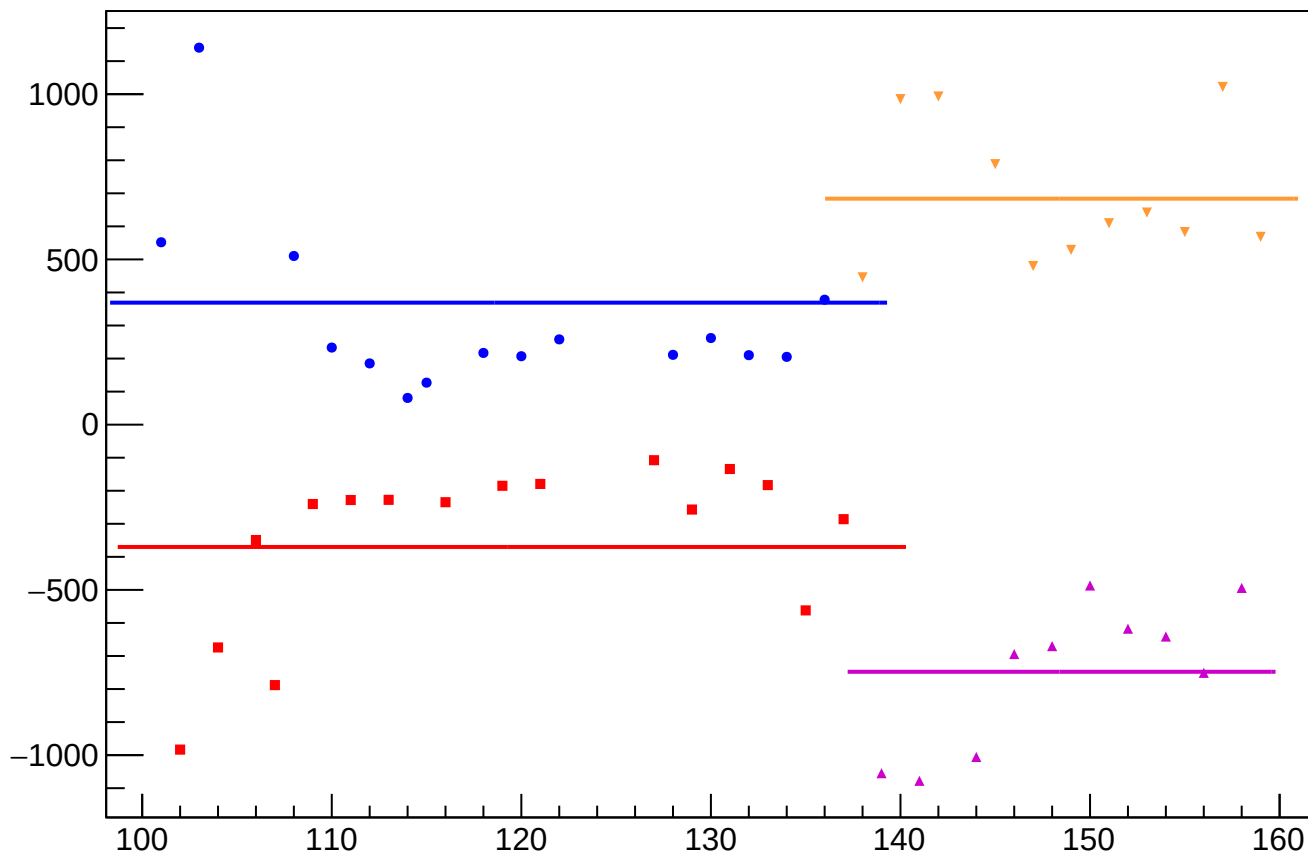
Left: 22.705+/-0.000 χ^2/NDF : 26611611379112939
 Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576
 In: -248.015+/-0.000 χ^2/NDF : 1971818157373371
 Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667
 All: 14.918+/-0.000 χ^2/NDF : 4121261556702

dit_usl_coil1_mean vs Slug, Sign Corrected



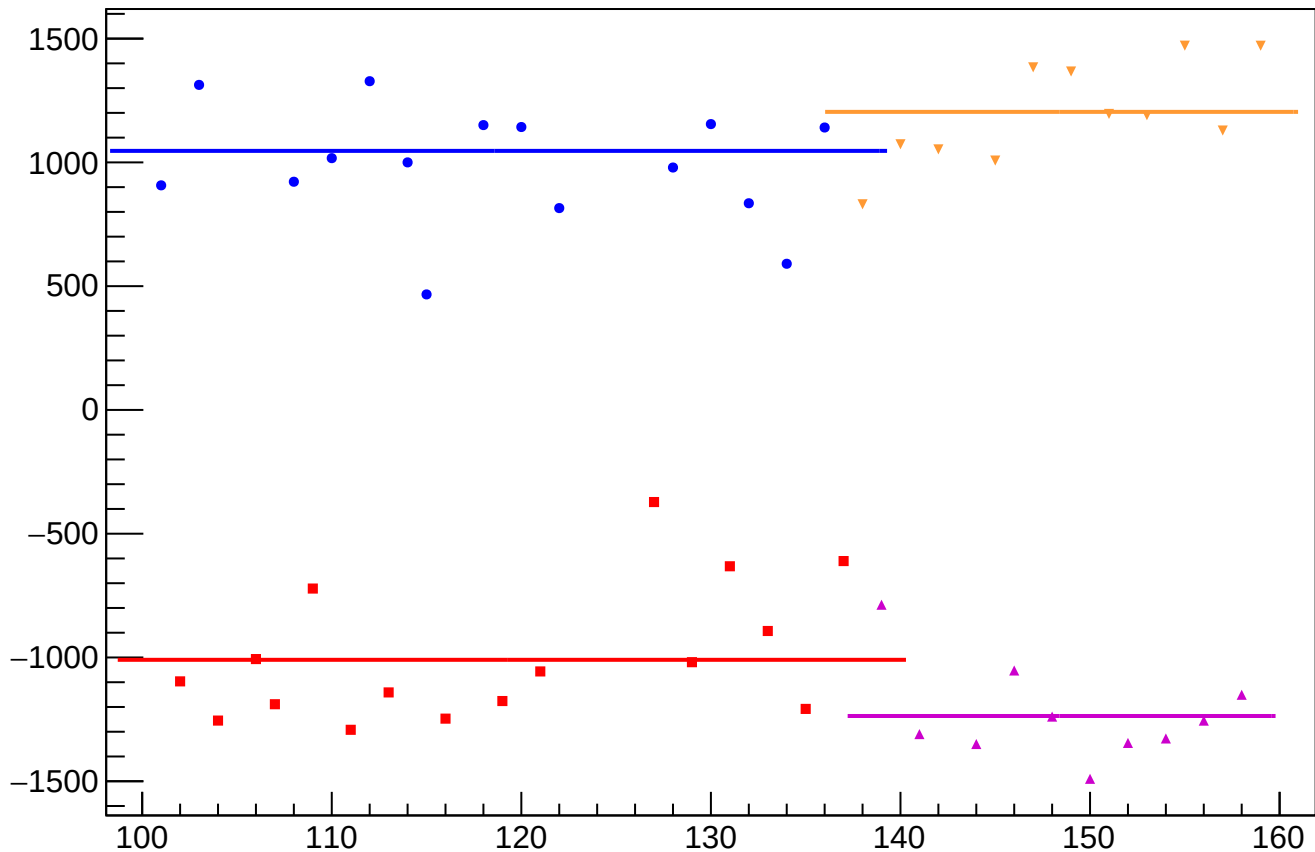
Right In: 17988.185 $\pm$ 0.000 χ^2 /NDF: 24815111809984217103544001237552952508416.0/14
 Left Out: 30828.996 $\pm$ 0.000 χ^2 /NDF: 23225941804061934913195205321671126810624.0/10
 Right Out: -15915.227 $\pm$ 0.000 χ^2 /NDF: 19954189674705952707042287416087223992320.0/15
 Left In: -32474.038 $\pm$ 0.000 χ^2 /NDF: 6559348647305514540891719425960259354624.0/9
 All: -112.537 $\pm$ 0.000 χ^2 /NDF: 21577054784

dit_usl_coil1_err_mean vs Slug, Sign Corrected



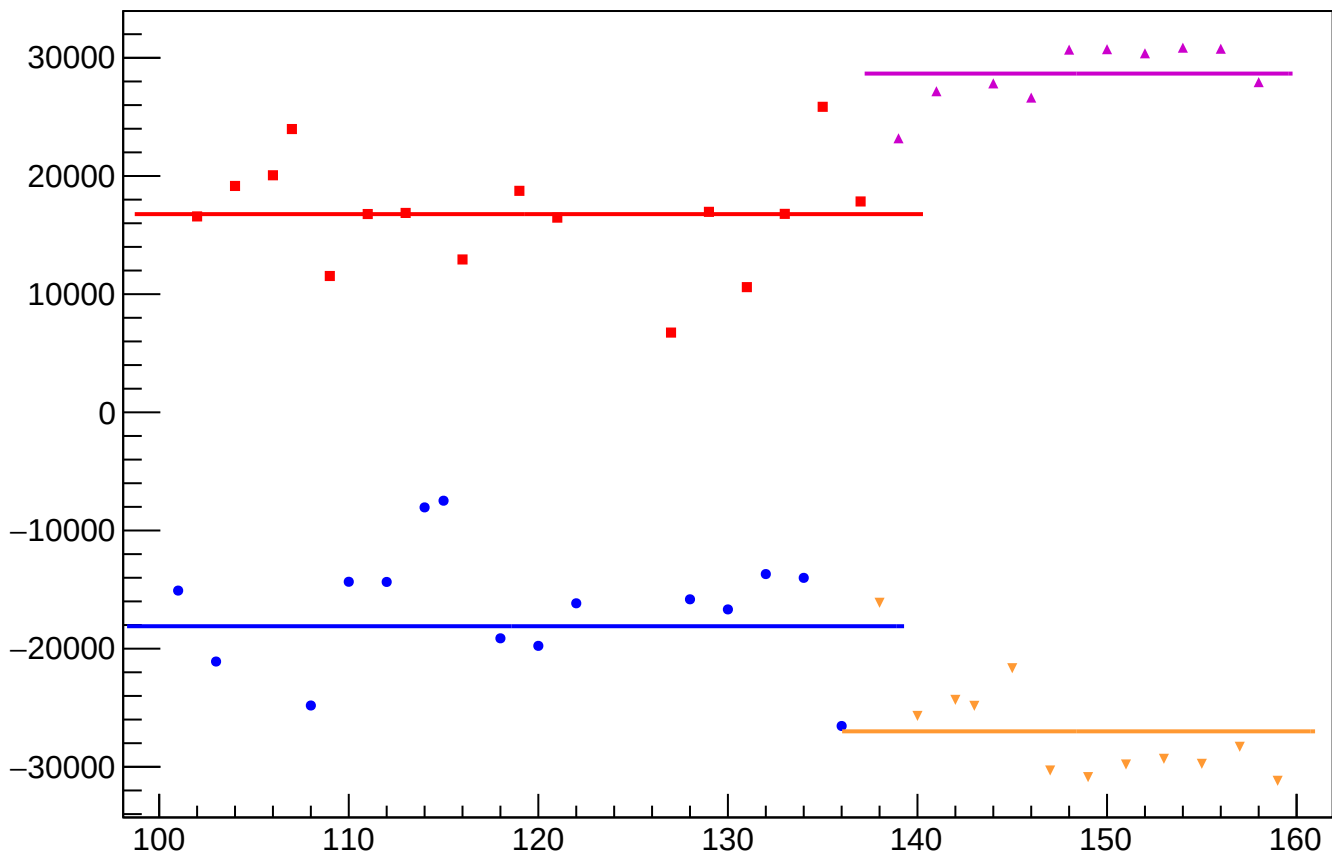
Right In: 369.169+/-0.000 χ^2/NDF : 48053036789565485994195833341370957824.0/14
 Left Out: 683.818+/-0.000 χ^2/NDF : 33889213327859325358647069977975193600.0/10
 Right Out: -370.091+/-0.000 χ^2/NDF : 48214462907052107543037037125316902912.0/15
 Left In: -747.750+/-0.000 χ^2/NDF : 37445615414902432718910882722749612032.0/9
 All: -20.425+/-0.000 χ^2/NDF : 121887822035

dit_usl_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1204.078+/-0.000 χ^2/NDF : 33123375714267646220347434218144399360.0/10
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1236.408+/-0.000 χ^2/NDF : 29011215487479499501392823898483982336.0/9
 All: -7.165+/-0.000 χ^2/NDF : 4053587435594

dit_usr_coil1_mean vs Slug, Sign Corrected



Right In: -18100.637+/-0.000

χ^2/NDF : 14634967546173586967632040765428699496448.0/14

Left Out: -26996.716+/-0.000

χ^2/NDF : 17646333216214404420096394486681509560320.0/11

Right Out: 16773.604+/-0.000

χ^2/NDF : 14234547931135812277474342886568366178304.0/15

Left In: 28667.116+/-0.000

χ^2/NDF : 4835865440118443056134270194868476182528.0/9

Left: -220.113+/-0.000 χ^2/NDF : 138925995944431

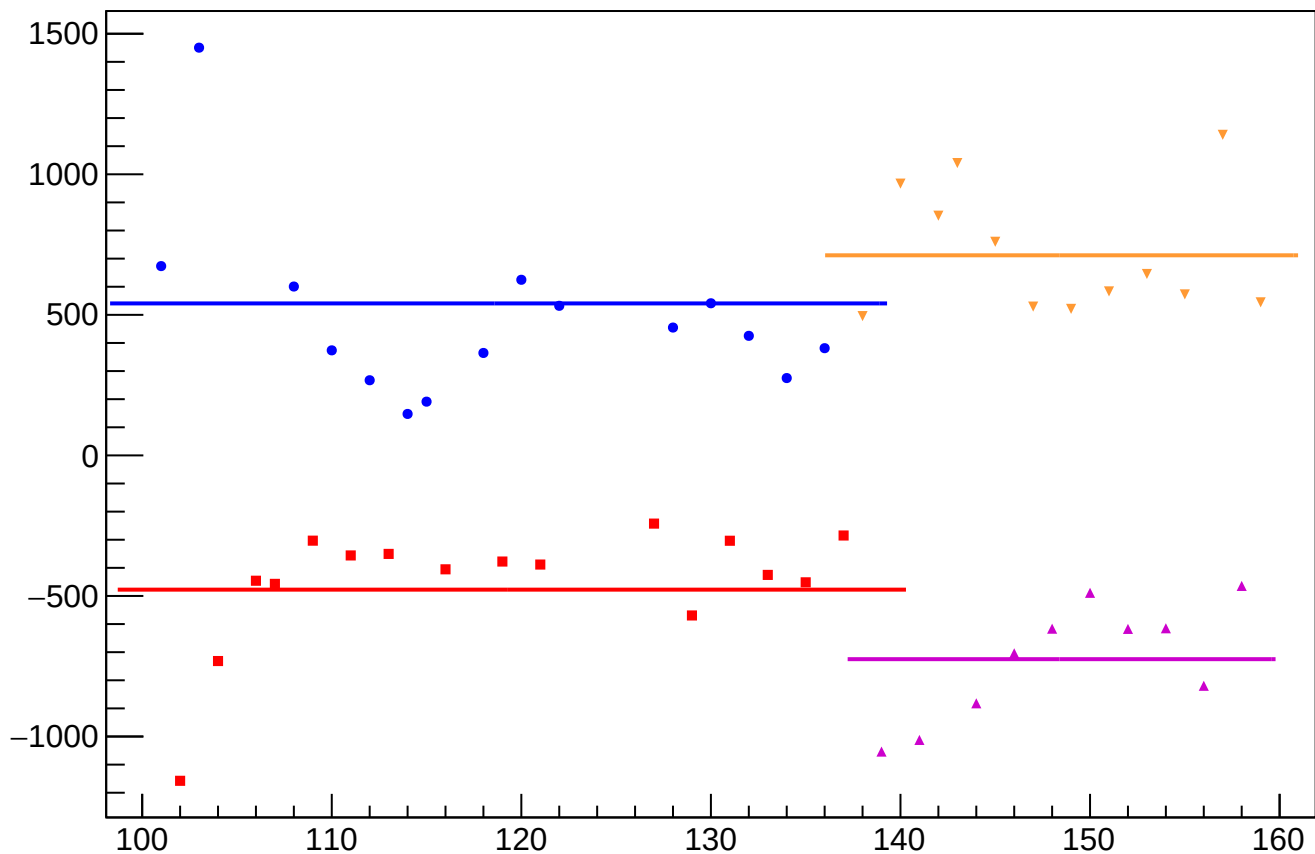
Right: -425.015+/-0.000 χ^2/NDF : 42892863582613

In: 8418.769+/-0.000 χ^2/NDF : 8243950524093354

Out: -8565.653+/-0.000 χ^2/NDF : 77165550758849

All: -307.577+/-0.000 χ^2/NDF : 18182202625

dit_usr_coil1_err_mean vs Slug, Sign Corrected



Right In: 540.663+/-0.000

χ^2/NDF : 64546819695986774721678785082975846400.0/14

Left Out: 711.811+/-0.000

χ^2/NDF : 42886755103535989888278439443042402304.0/11

Right Out: -477.546+/-0.000

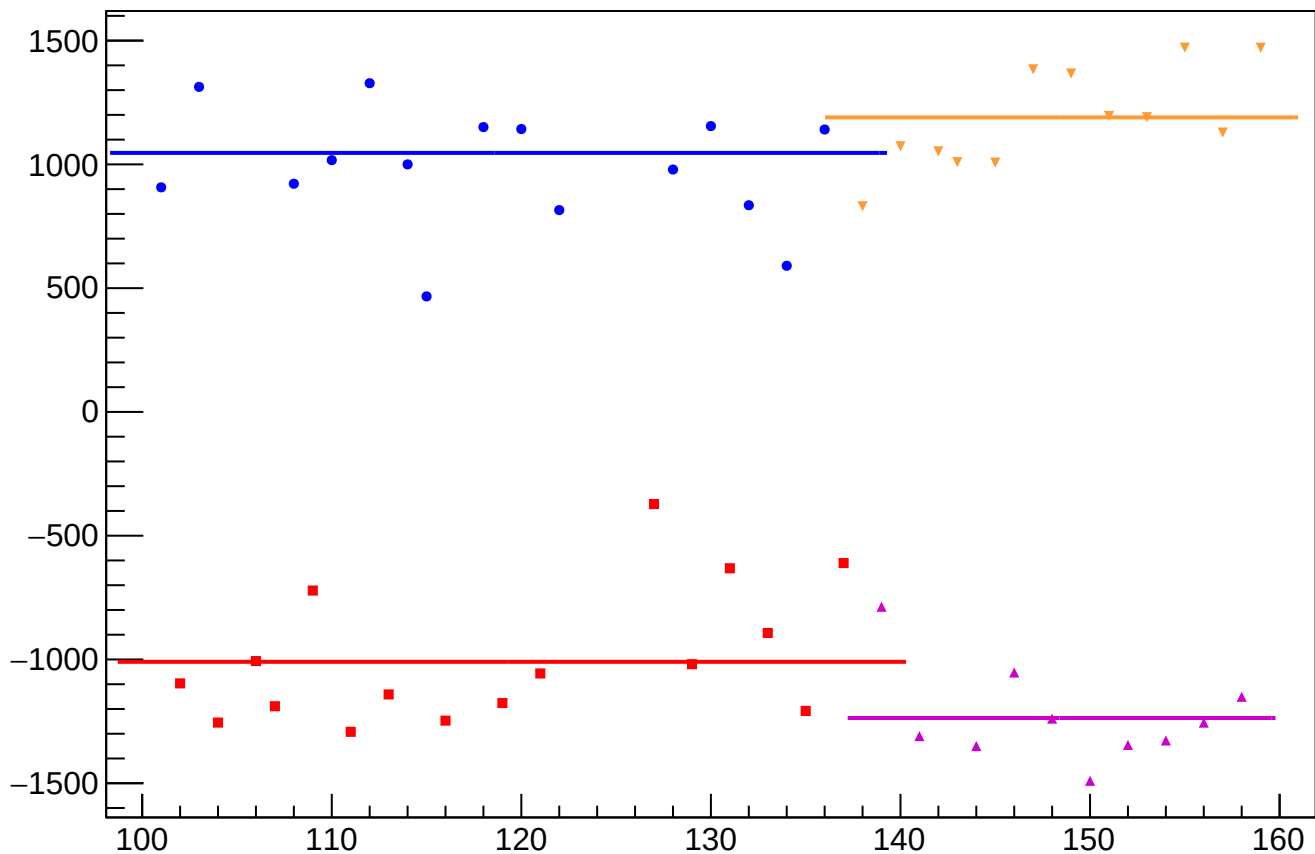
χ^2/NDF : 38798306504296954461537116809760604160.0/15

Left In: -724.866+/-0.000

χ^2/NDF : 32360179608877768190462805865662513152.0/9

All: 22.368+/-0.000 χ^2/NDF : 1430109232016

dit_usr_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

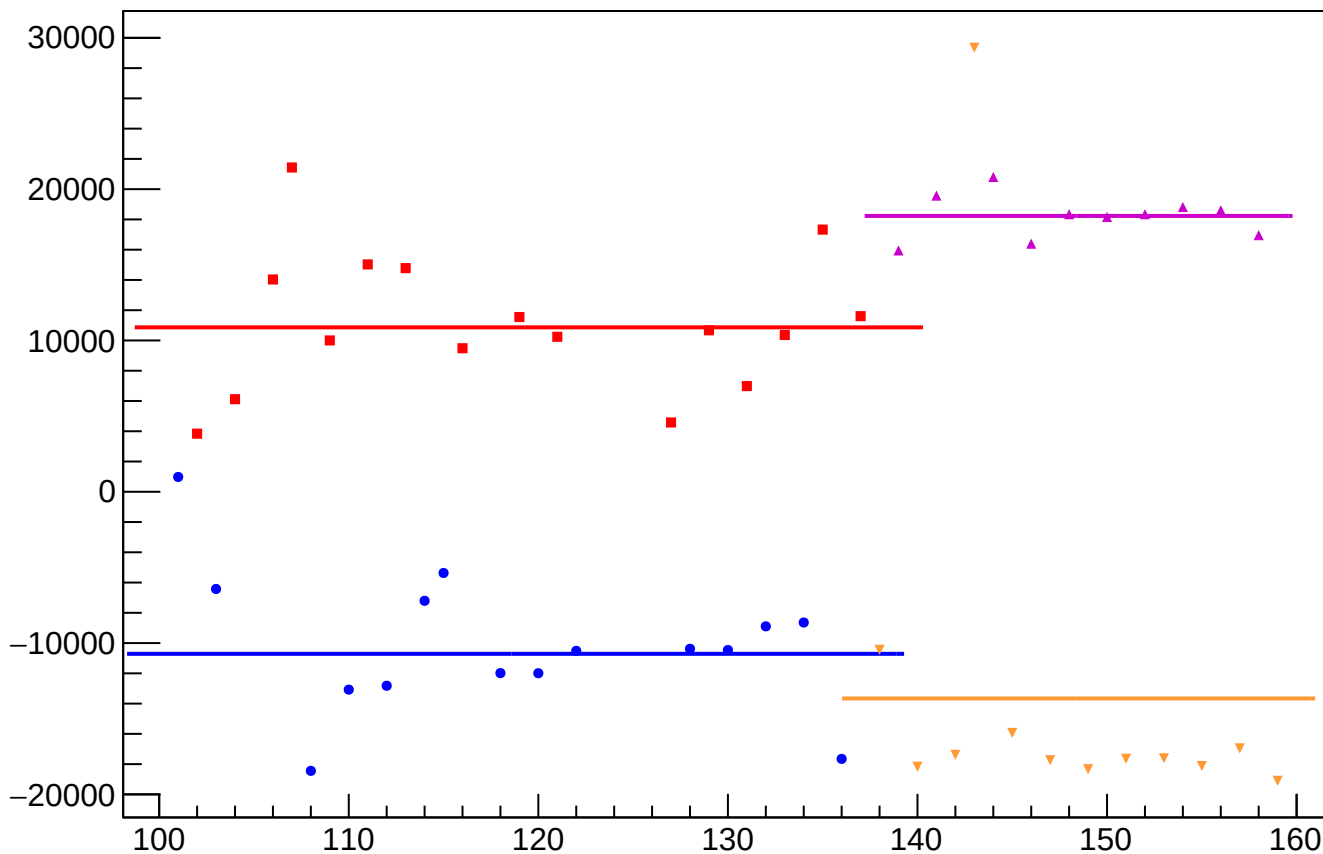
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

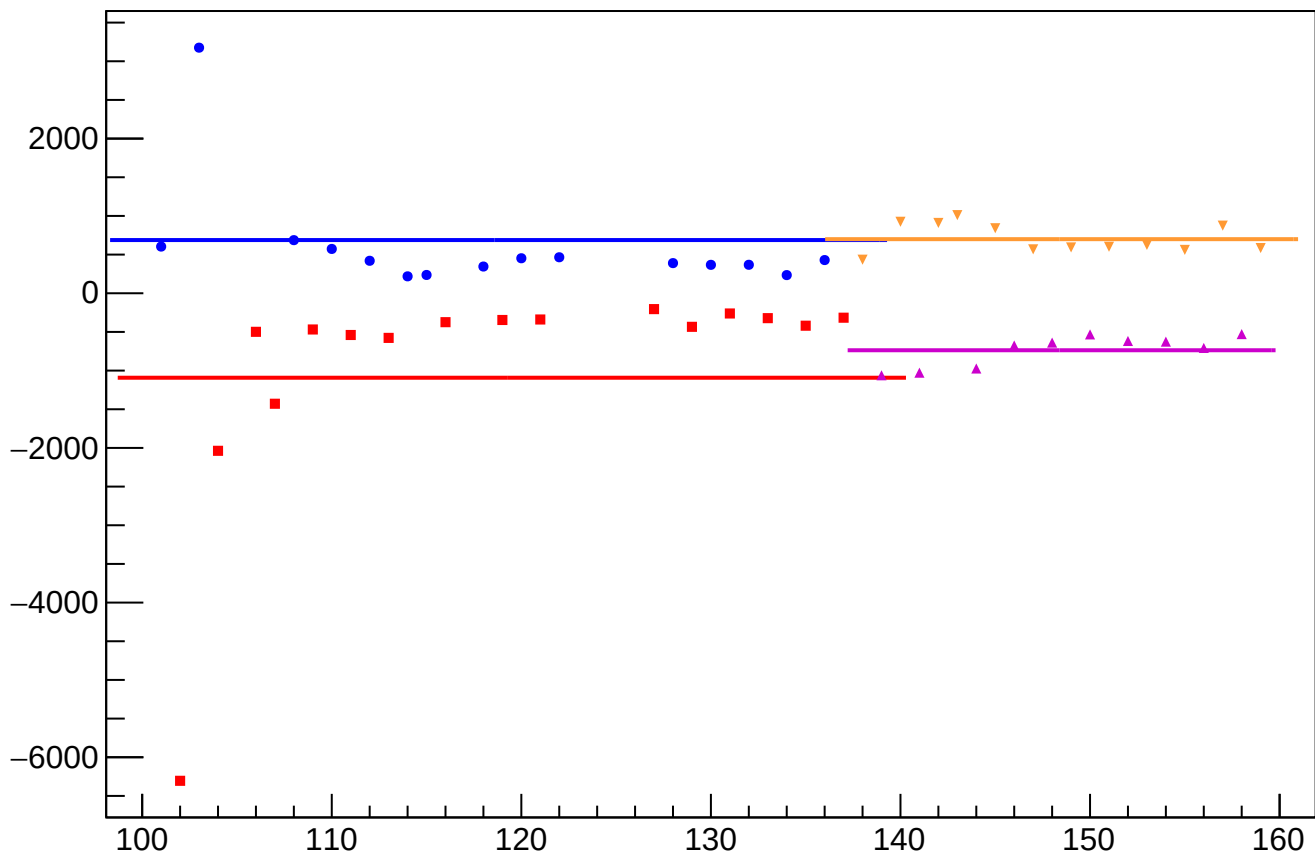
Left: 22.705+/-0.000 χ^2/NDF : 26611611379112939
 Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576
 In: -248.015+/-0.000 χ^2/NDF : 1971818157373371
 Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667
 All: 14.918+/-0.000 χ^2/NDF : 4121261556702

dit_atl1_coil1_mean vs Slug, Sign Corrected



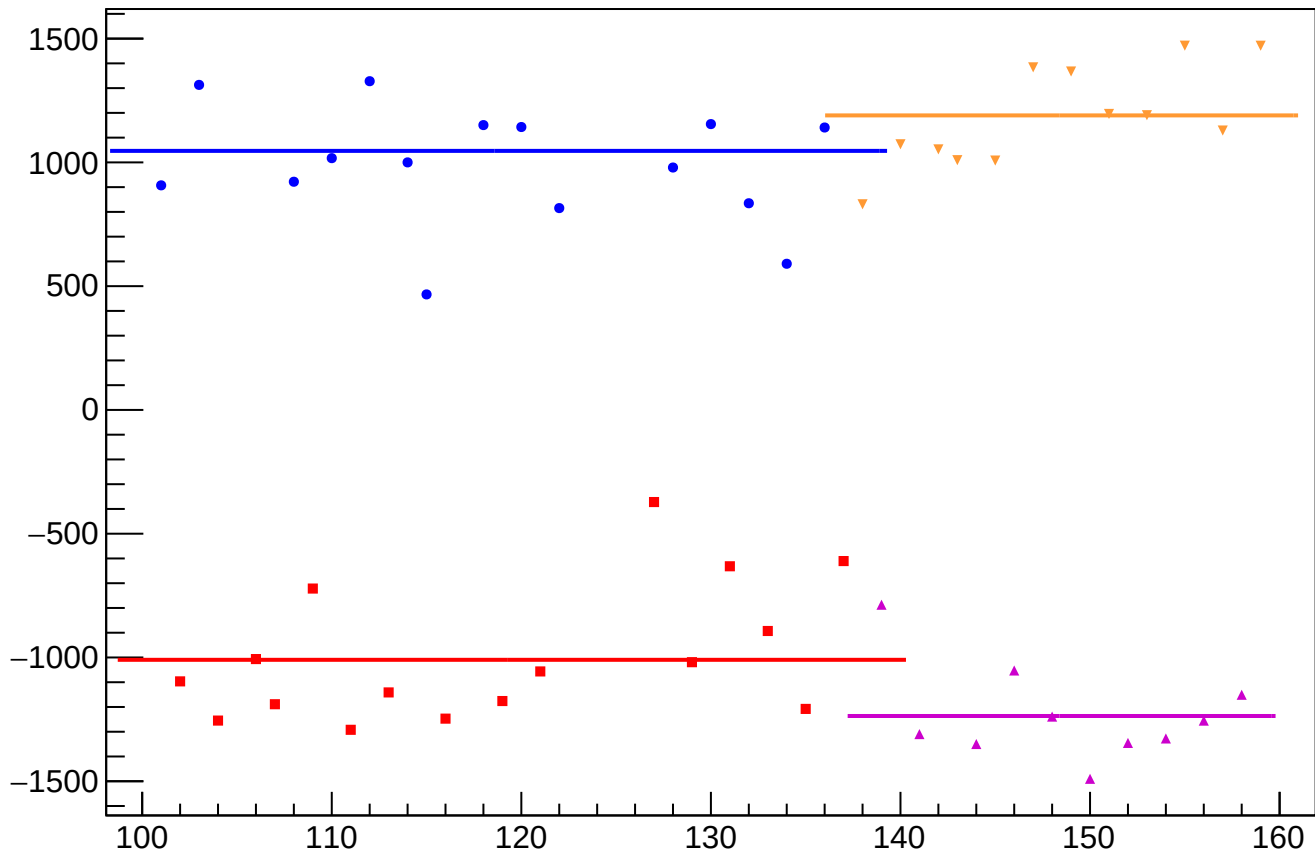
Right In: -10710.292+/-0.000 χ^2/NDF : 16945226152053511840482618402250170564608.0/14
 Left Out: -13660.650+/-0.000 χ^2/NDF : 137996899958511608921126321459037955162112.0/11
 Right Out: 10866.264+/-0.000 χ^2/NDF : 14234762838858382484525901644131626647552.0/15
 Left In: 18230.344+/-0.000 χ^2/NDF : 1618300832027121246915268633605236064256.0/9
 All: 1059.291+/-0.000 χ^2/NDF : 77415733413

dit_atl1_coil1_err_mean vs Slug, Sign Corrected



Left: 8.485 +/- 0.000 χ^2/NDF : 970140203604305306
 Right: -214.338 +/- 0.000 χ^2/NDF : 33349422342847
 In: -120.083 +/- 0.000 χ^2/NDF : 1188086078495393
 Out: -54.970 +/- 0.000 χ^2/NDF : 3151179743524573
 All: -86.629 +/- 0.000 χ^2/NDF : 434253106571

dit_atl1_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: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

Left: 22.705+/-0.000 χ^2/NDF : 26611611379112939

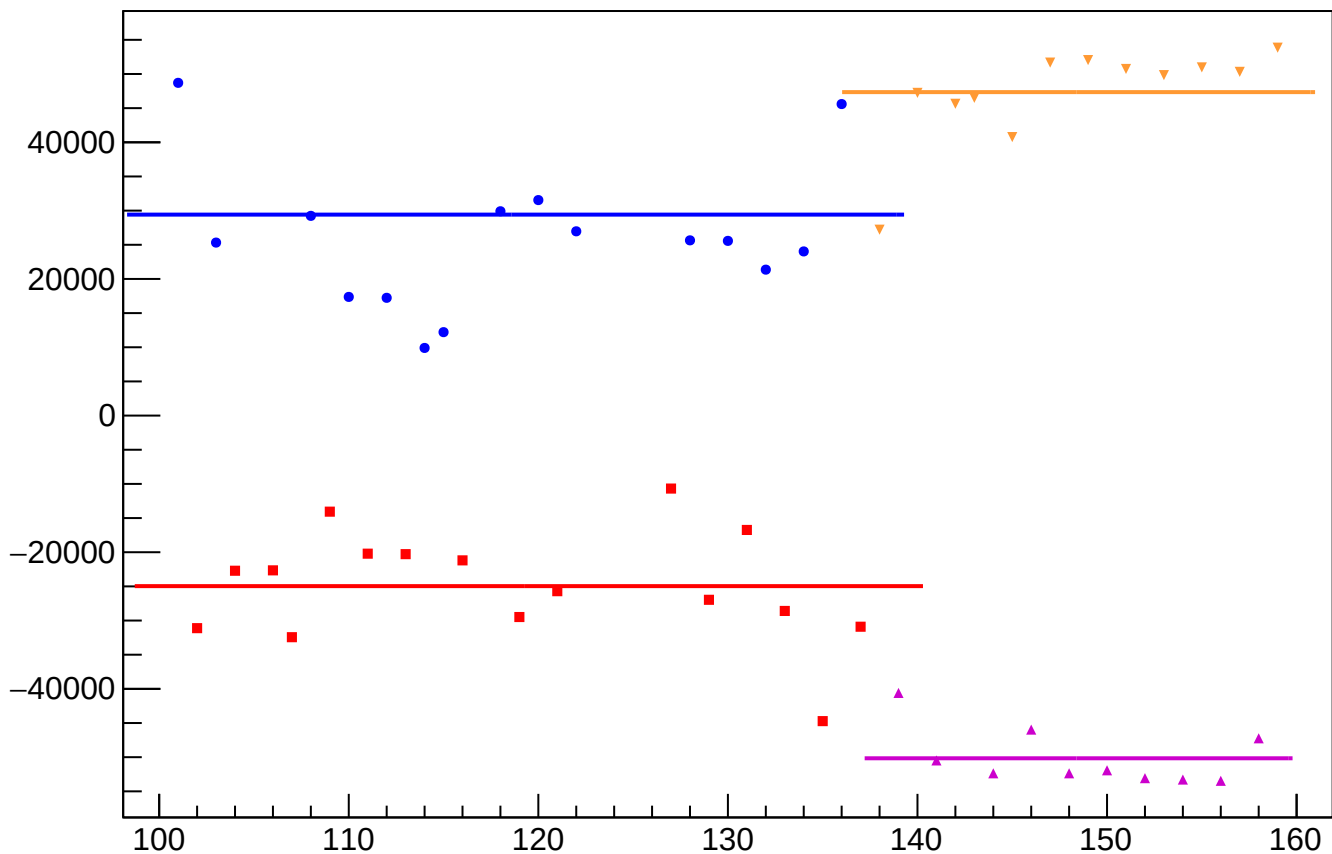
Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576

In: -248.015+/-0.000 χ^2/NDF : 1971818157373371

Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667

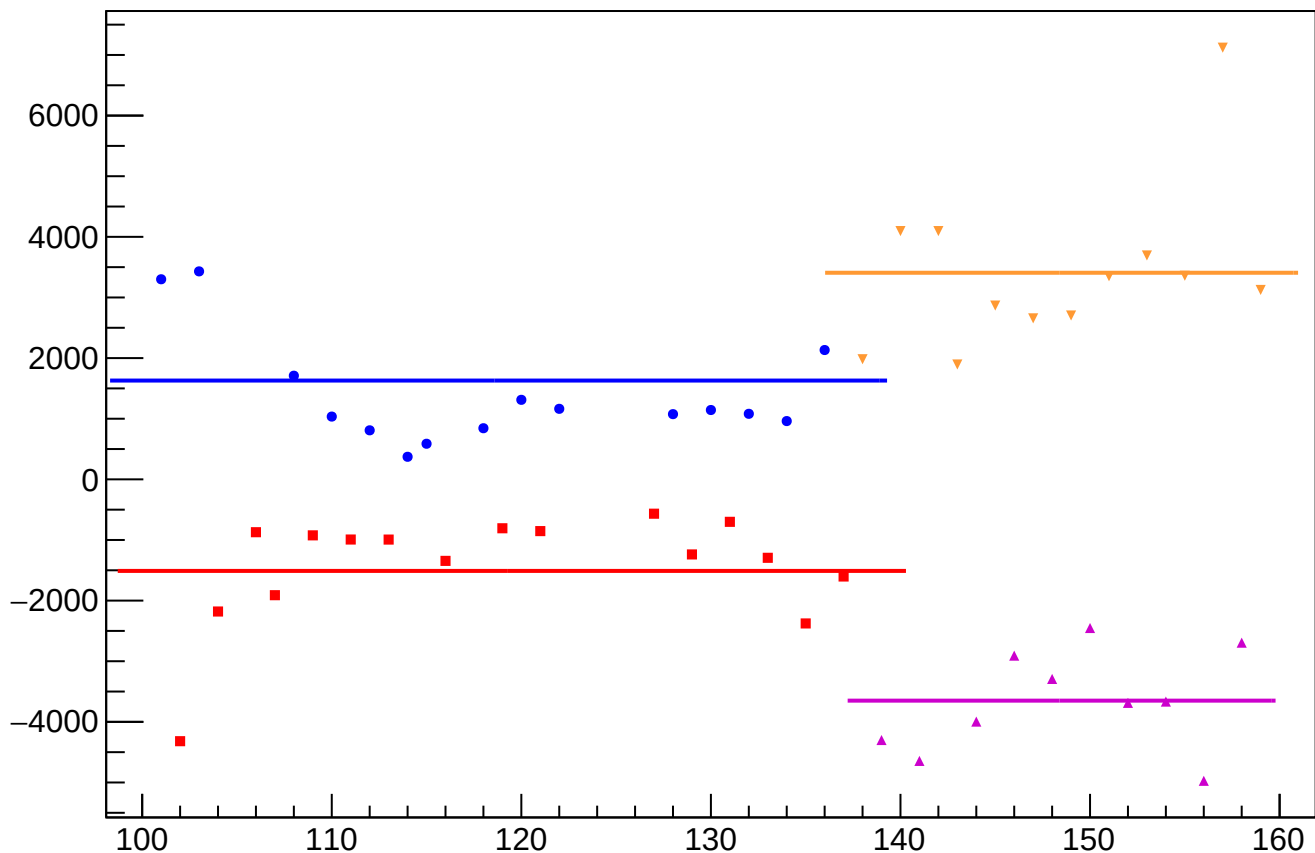
All: 14.918+/-0.000 χ^2/NDF : 4121261556702

dit_atl2_coil1_mean vs Slug, Sign Corrected



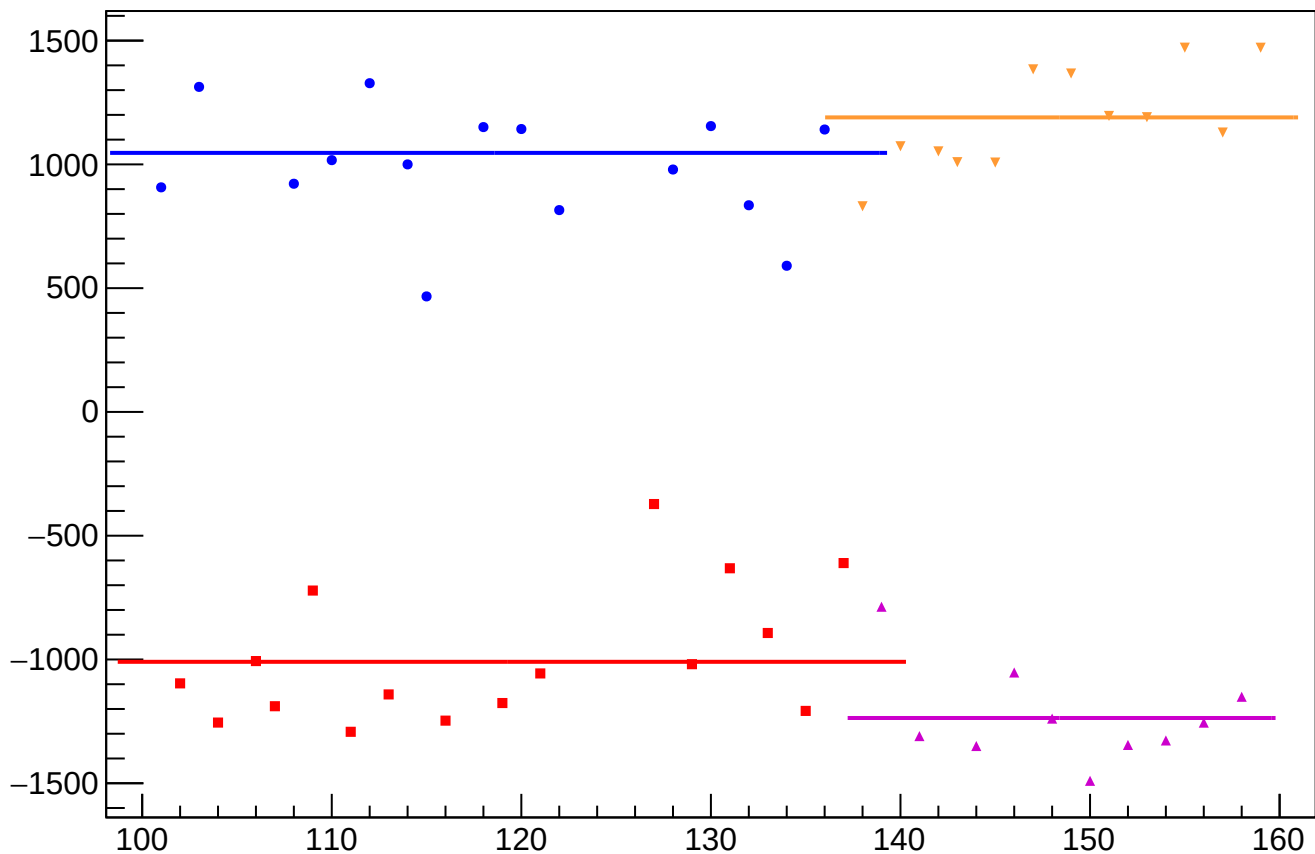
Right In: 29415.830+/-0.000 χ^2/NDF : 71764989638928082906774979753894809174016.0/14
 Left Out: 47346.512+/-0.000 χ^2/NDF : 45161873845138471299889685507142267699200.0/11
 Right Out: -24963.010+/-0.000 χ^2/NDF : 45631572920122171972835961685494315614208.0/15
 Left In: -50161.555+/-0.000 χ^2/NDF : 13163879197285482913660340380920514084864.0/9
 All: 1044.429+/-0.000 χ^2/NDF : 53439615742

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: -3650.096+/-0.000 χ^2/NDF : 529976184962868865201068084202282418176.0/9
 All: 23.524+/-0.000 χ^2/NDF : 285714573586

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

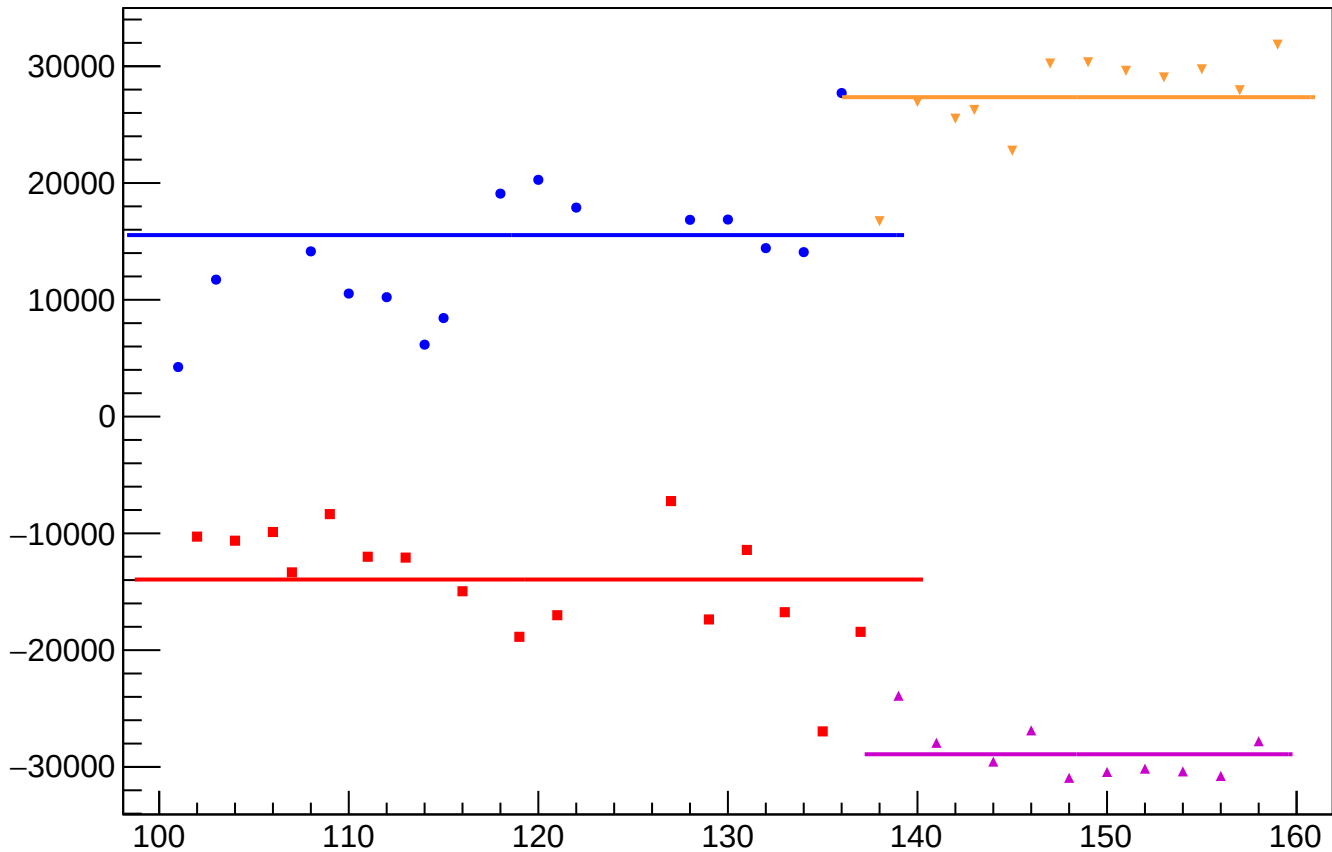
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

All: 14.918+/-0.000 χ^2/NDF : 4121261556702

dit_atr1_coil1_mean vs Slug, Sign Corrected



Right In: 15540.787 $\pm$ 0.000

χ^2 /NDF: 27383635886523601832377795383509714468864.0/14

Left Out: 27349.847 $\pm$ 0.000

χ^2 /NDF: 14883456917386062267776172319393710080000.0/11

Right Out: -13951.799 $\pm$ 0.000

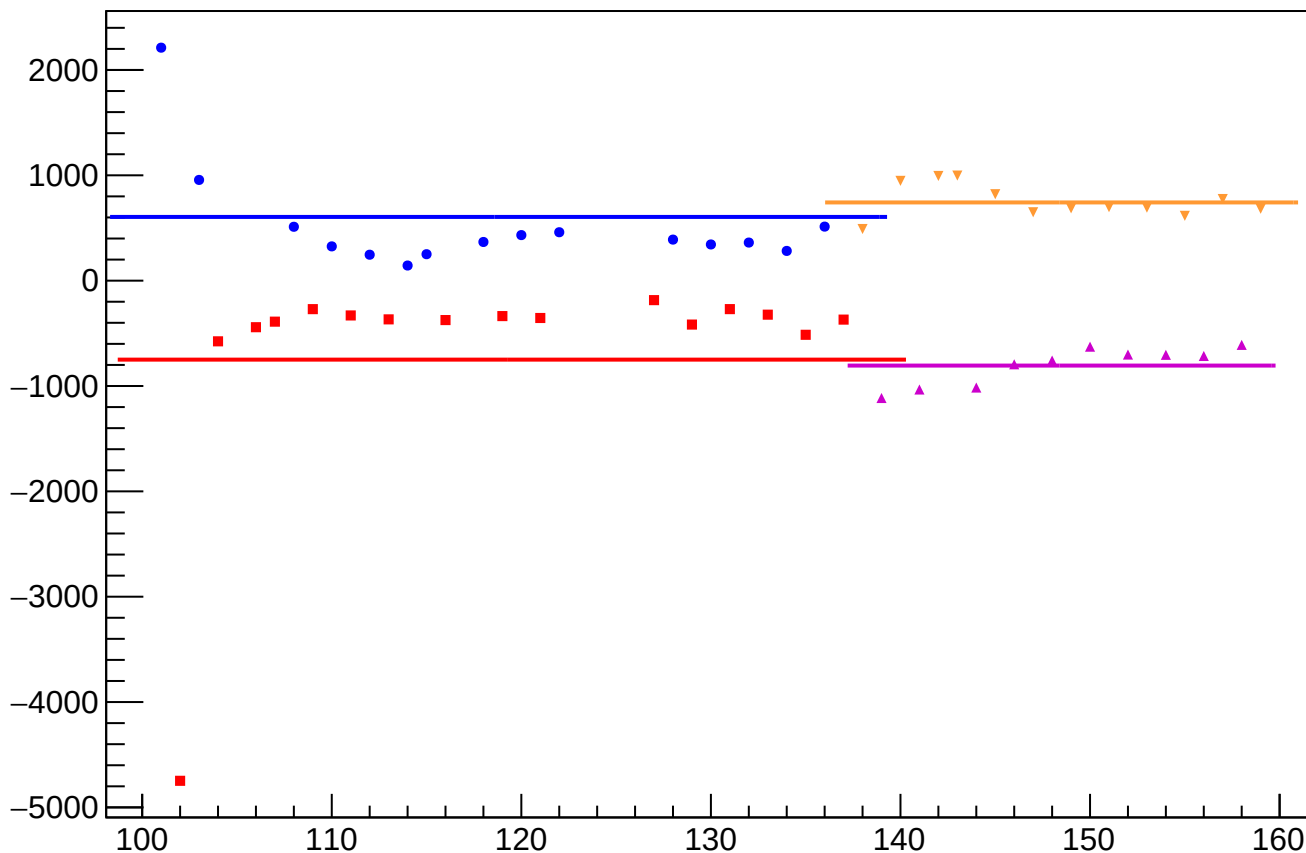
χ^2 /NDF: 16954071035739584664612813430748100952064.0/15

Left In: -28914.284 $\pm$ 0.000

χ^2 /NDF: 3750544409376068216865789166292347912192.0/9

All: 416.084 $\pm$ 0.000 χ^2 /NDF: 174557463909

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

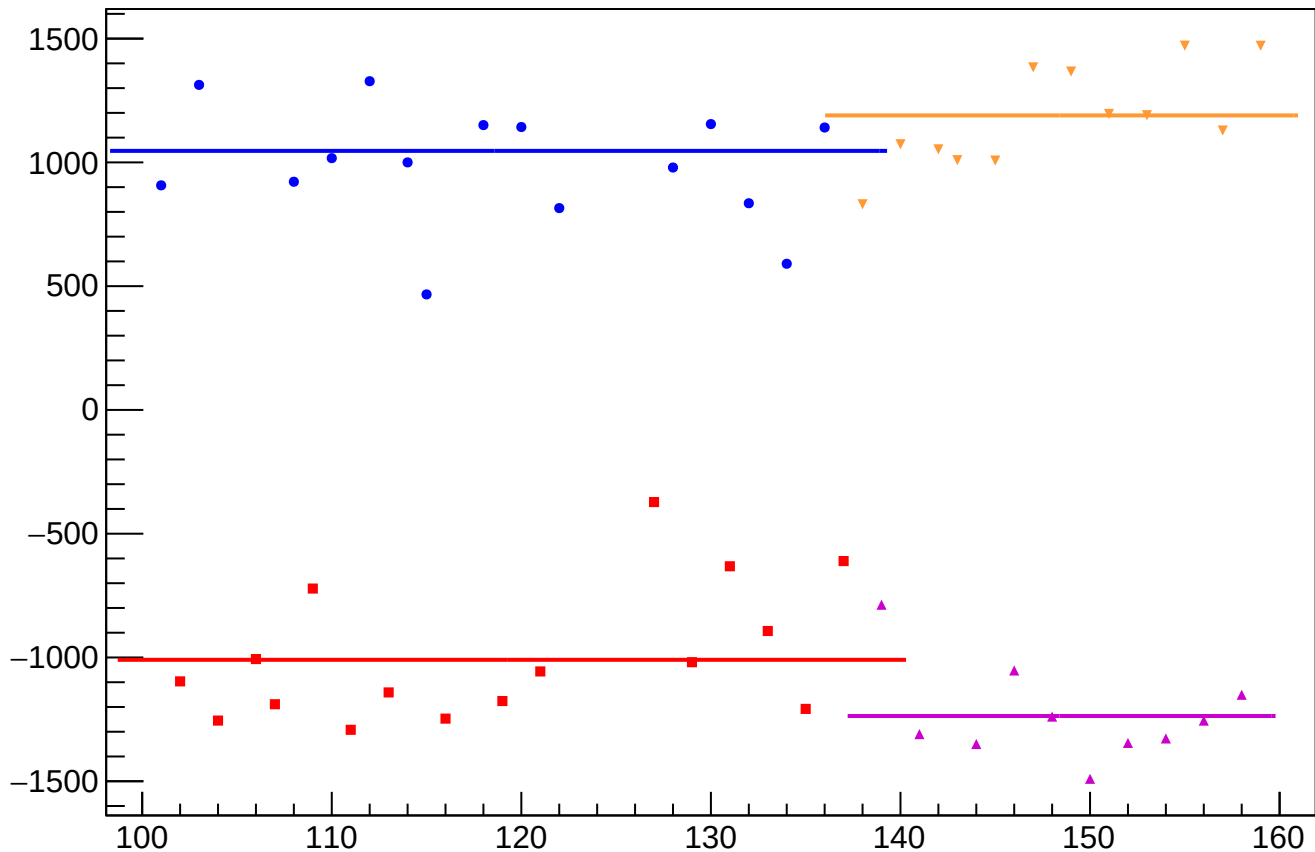
χ^2/NDF : 1021358768377495935693748779804344188928.0/15

Left In: -806.047+/-0.000

χ^2/NDF : 24738773719393861376001039181899890688.0/9

All: -36.175+/-0.000 χ^2/NDF : 292081097602

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: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

Left: 22.705+/-0.000 χ^2/NDF : 26611611379112939

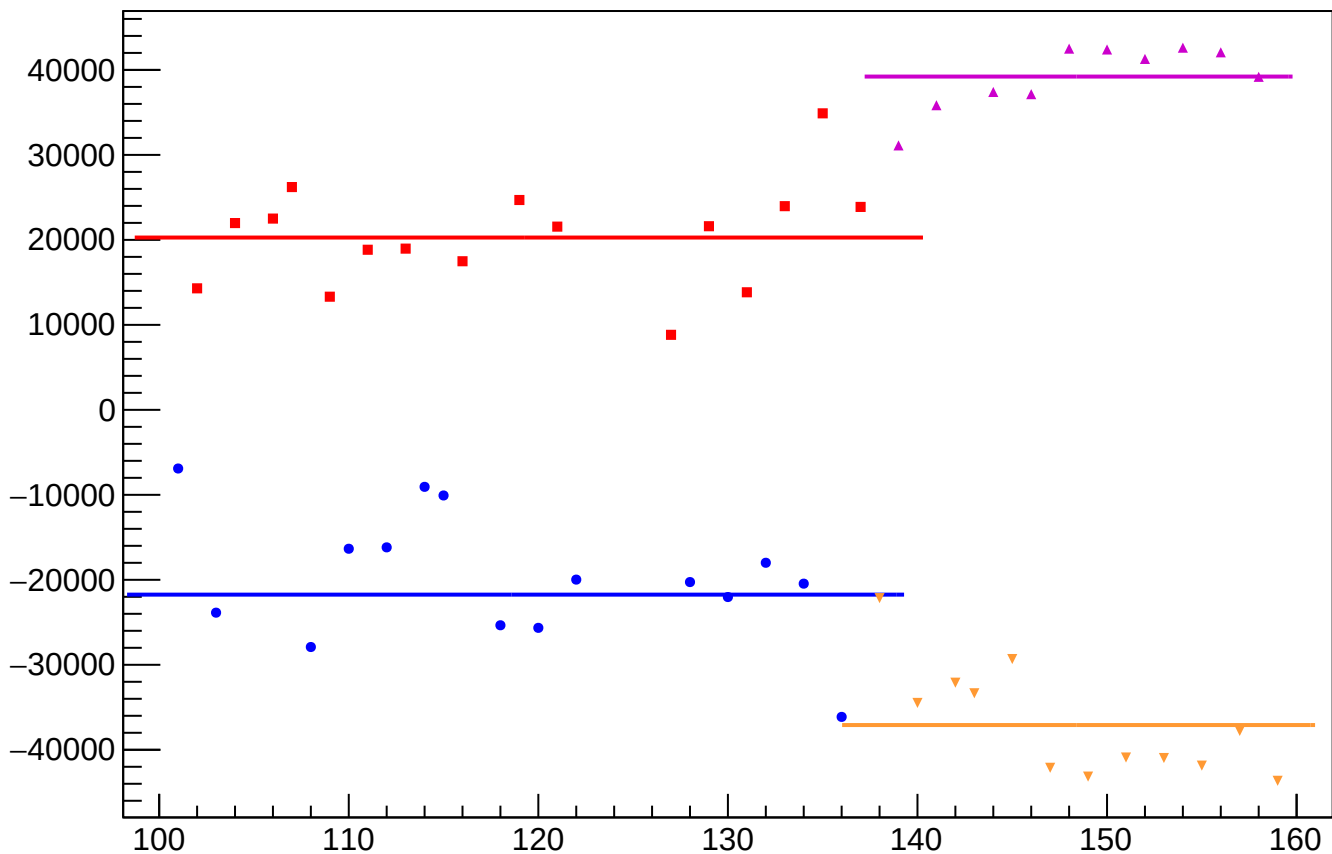
Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576

In: -248.015+/-0.000 χ^2/NDF : 1971818157373371

Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667

All: 14.918+/-0.000 χ^2/NDF : 4121261556702

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: 39217.223+/-0.000

χ^2/NDF : 41106858823579527325198675675398793068544.0/14

χ^2/NDF : 37696615174692315635920208068597564571648.0/11

χ^2/NDF : 25935869132092920231681532417627320745984.0/15

χ^2/NDF : 10815703752387492493258745309031108182016.0/9

Left: -382.567+/-0.000 χ^2/NDF : 261696697892637

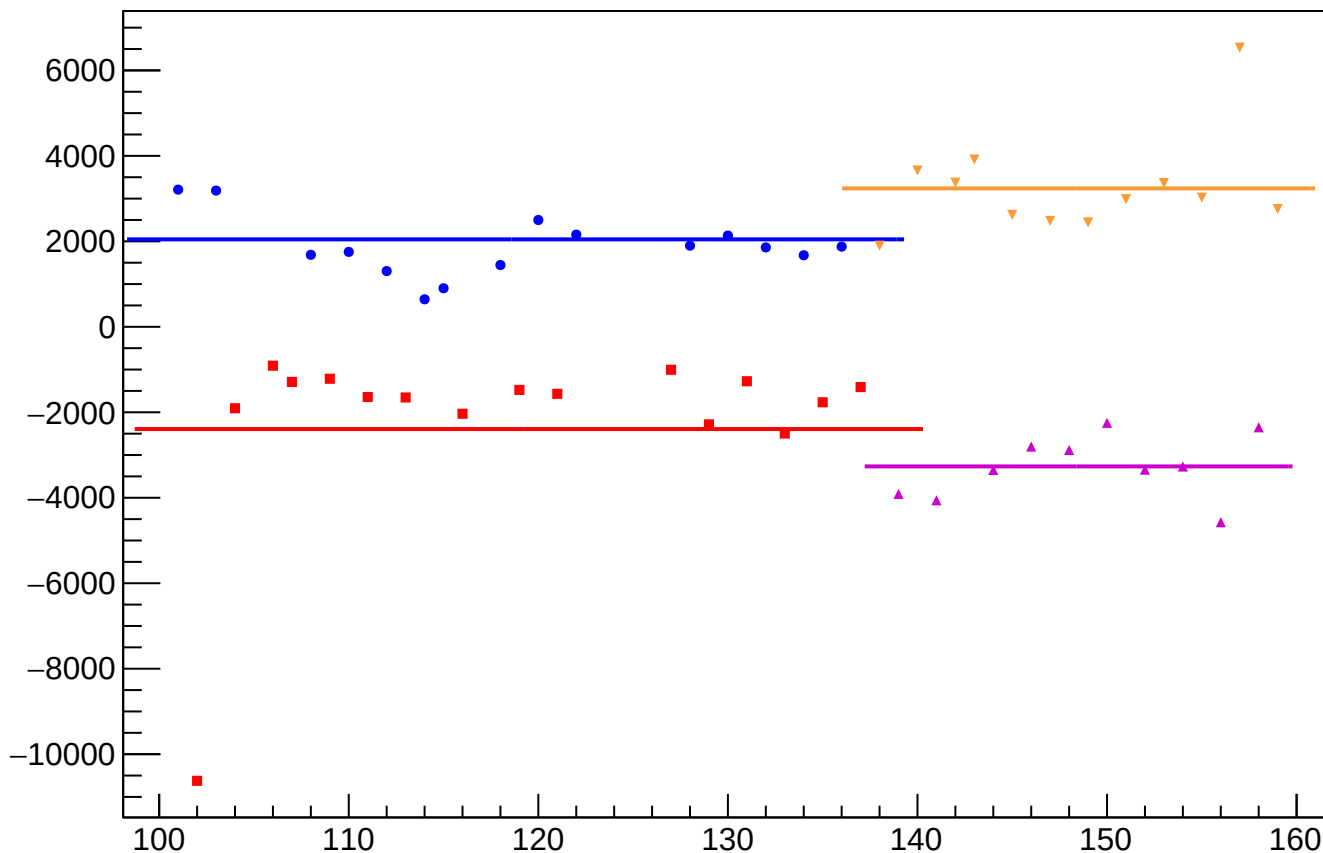
Right: -446.610+/-0.000 χ^2/NDF : 64780902874572

In: 12824.015+/-0.000 χ^2/NDF : 141952608012116

Out: -12933.670+/-0.000 χ^2/NDF : 1334281188451

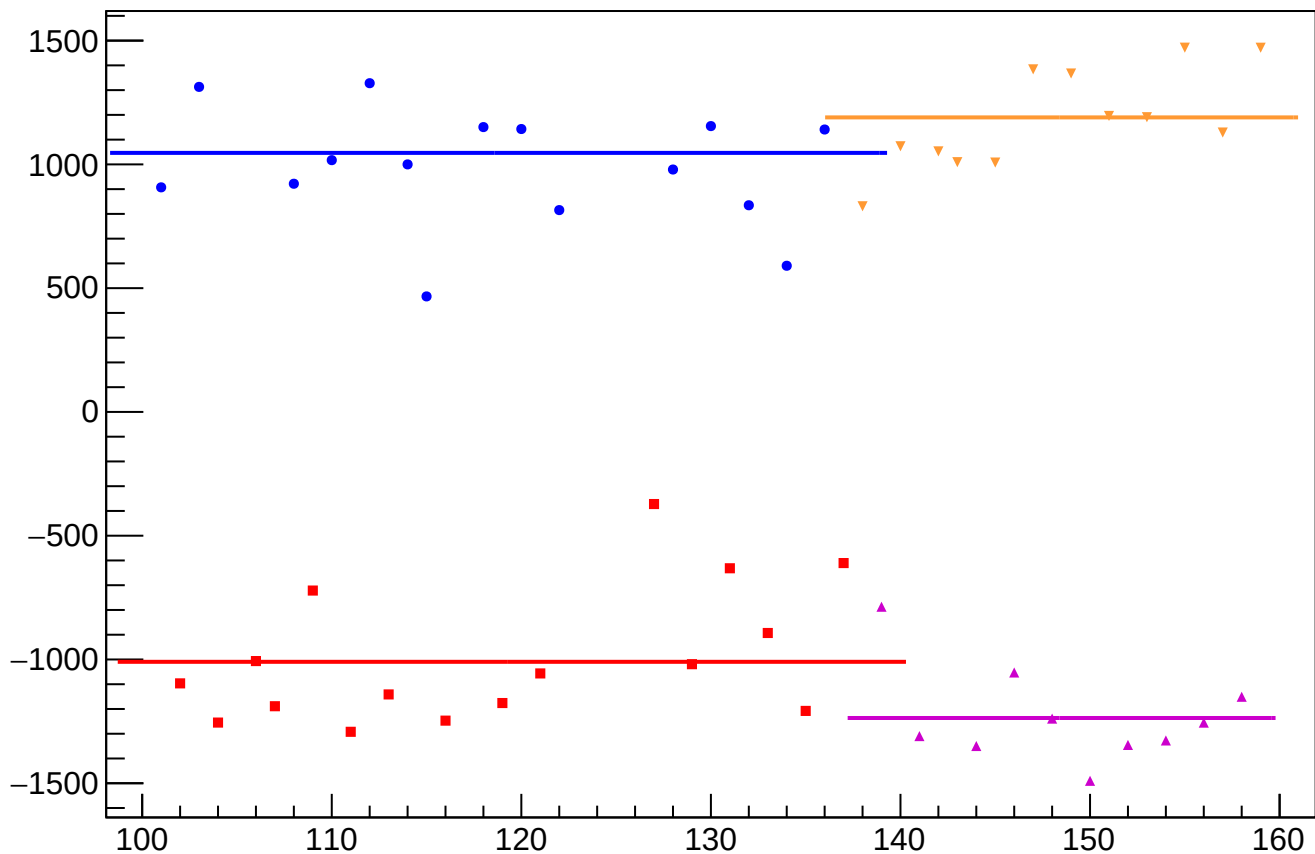
All: -409.904+/-0.000 χ^2/NDF : 32647791012

dit_atr2_coil1_err_mean vs Slug, Sign Corrected



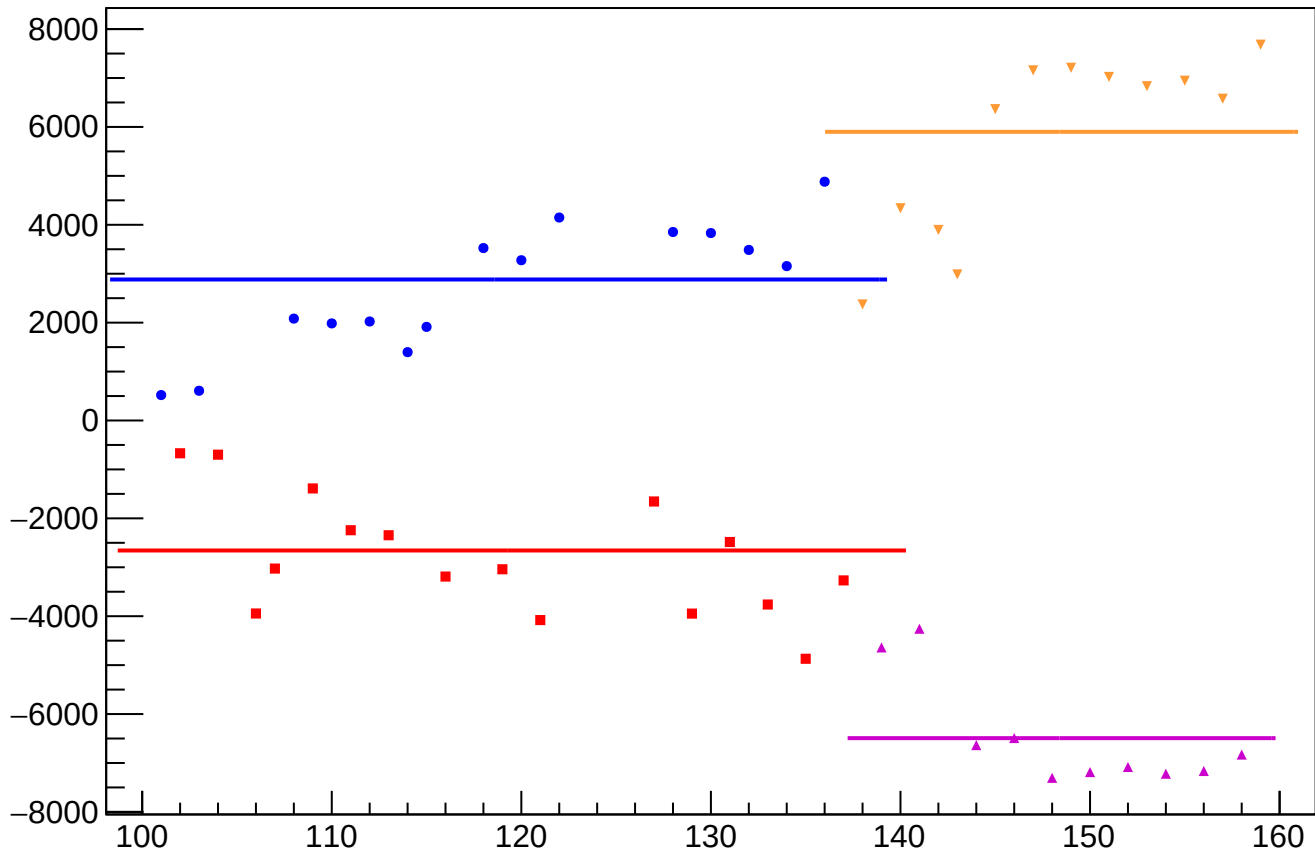
Right In: 2046.354+/-0.000 χ^2/NDF : 266555515927348892036833058355226345472.0/14
 Left Out: 3238.684+/-0.000 χ^2/NDF : 1200935390034847061403610621854649155584.0/11
 Right Out: -2391.939+/-0.000 χ^2/NDF : 4415294964789778815259357544579499819008.0/15
 Left In: -3266.512+/-0.000 χ^2/NDF : 417121876450529489717494335374488502272.0/9
 All: -24.003+/-0.000 χ^2/NDF : 315200799585

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: -1236.408+/-0.000 χ^2/NDF : 29011215487479499501392823898483982336.0/9
 All: 14.918+/-0.000 χ^2/NDF : 4121261556702

dit_sam1_coil1_mean vs Slug, Sign Corrected



Right In: 2881.935+/-0.000

χ^2/NDF : 1320319391496525533692082365878834823168.0/14

Left Out: 5900.145+/-0.000

χ^2/NDF : 2757689906494435175416115853599080185856.0/11

Right Out: -2656.918+/-0.000

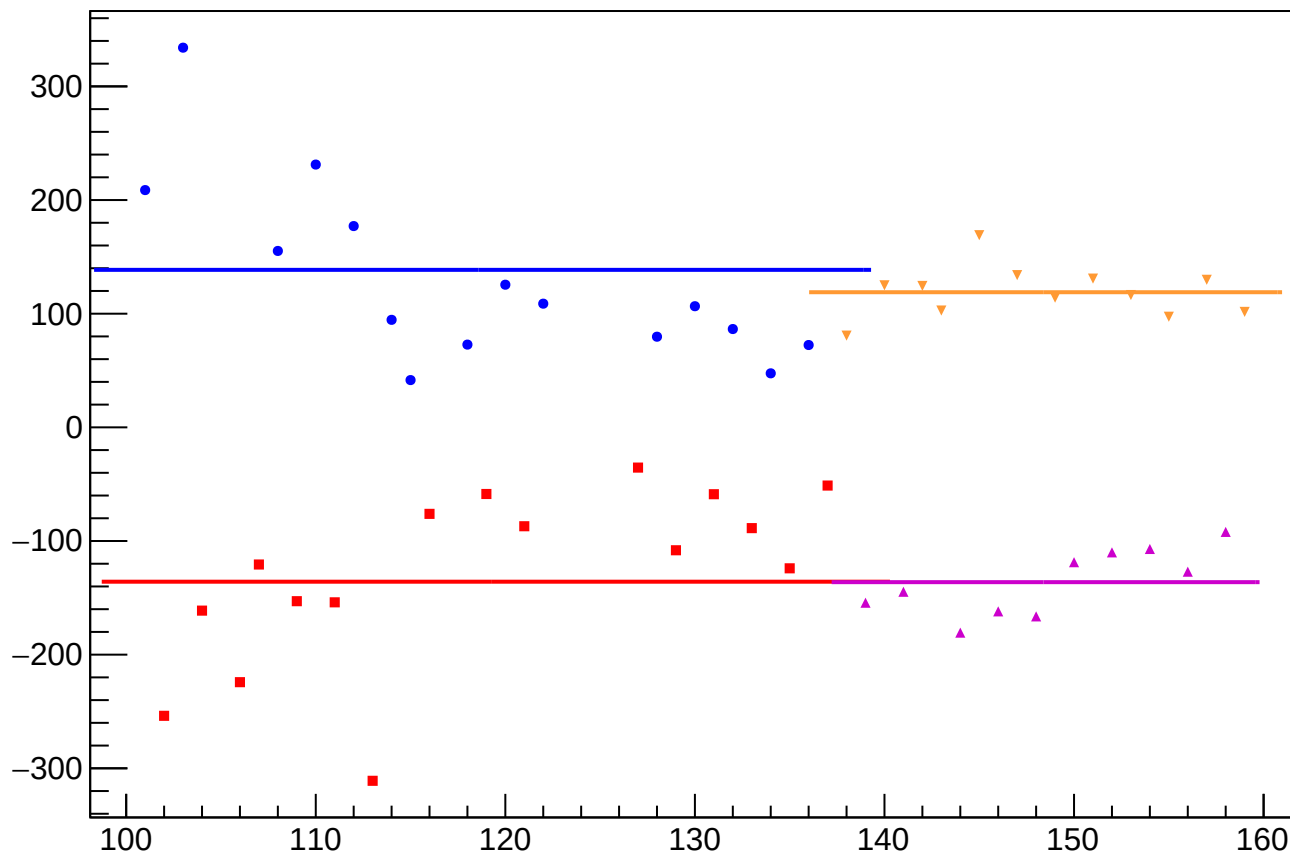
χ^2/NDF : 1077696846216053561130716877125509447680.0/15

Left In: -6492.695+/-0.000

χ^2/NDF : 926874762555710421035383800661314371584.0/9

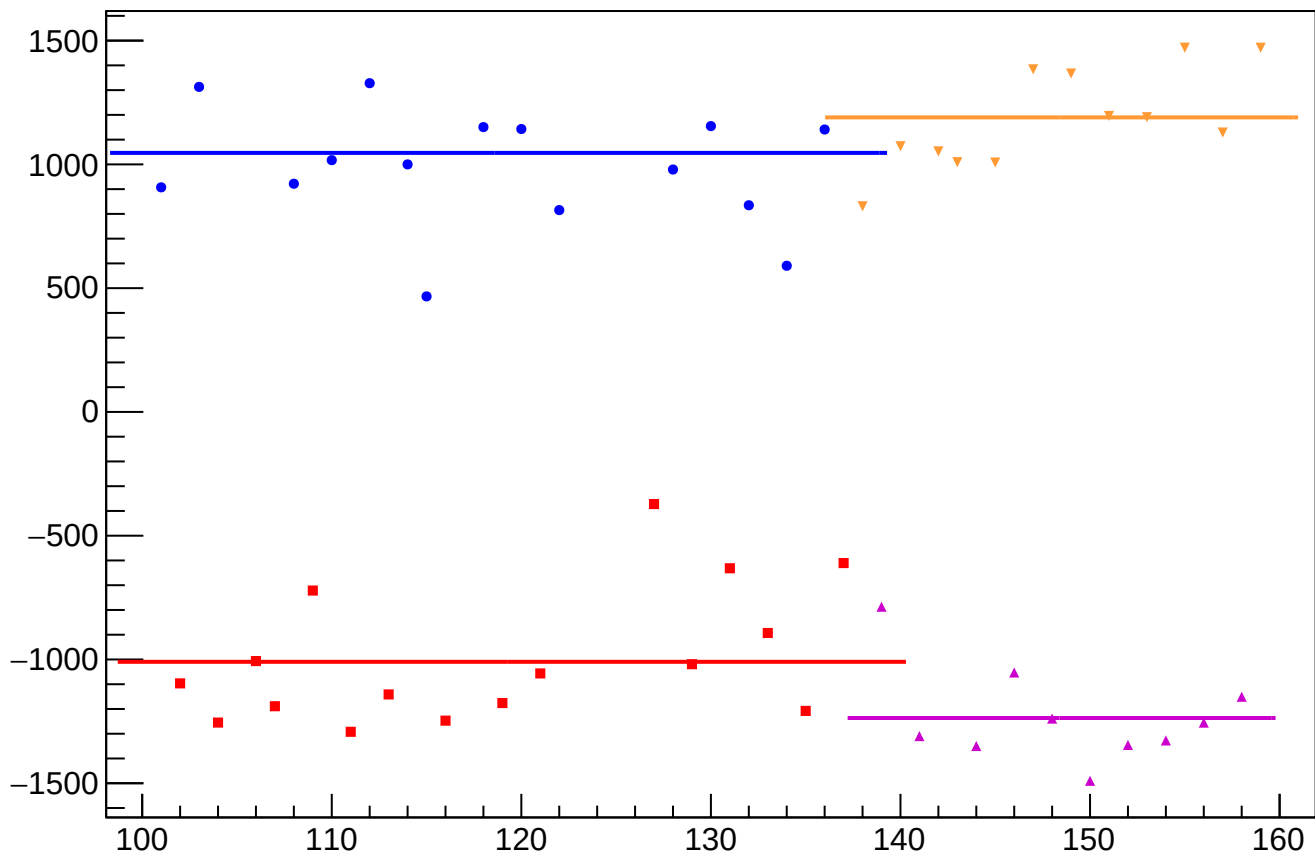
Left: -61.323+/-0.000 χ^2/NDF : 7143207685995397
 Right: 74.629+/-0.000 χ^2/NDF : 1248948533864623
 In: -2433.899+/-0.000 χ^2/NDF : 345894442862604
 Out: 2296.887+/-0.000 χ^2/NDF : 321095308179626
 All: -3.291+/-0.000 χ^2/NDF : 8393550299489

dit_sam1_coil1_err_mean vs Slug, Sign Corrected



Right In: 138.577 ± 0.000 $\chi^2/\text{NDF}: 4242369889979811373883774021335515136.0/14$
 Left Out: 118.892 ± 0.000 $\chi^2/\text{NDF}: 441331340602238377798748666087866368.0/11$
 Right Out: -135.809 ± 0.000 $\chi^2/\text{NDF}: 3956401741862524263243160868173643776.0/15$
 Left In: -136.215 ± 0.000 $\chi^2/\text{NDF}: 668113471543129529116732367803777024.0/9$
 All: -2.402 ± 0.000 $\chi^2/\text{NDF}: 6278910564539$

dit_sam1_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

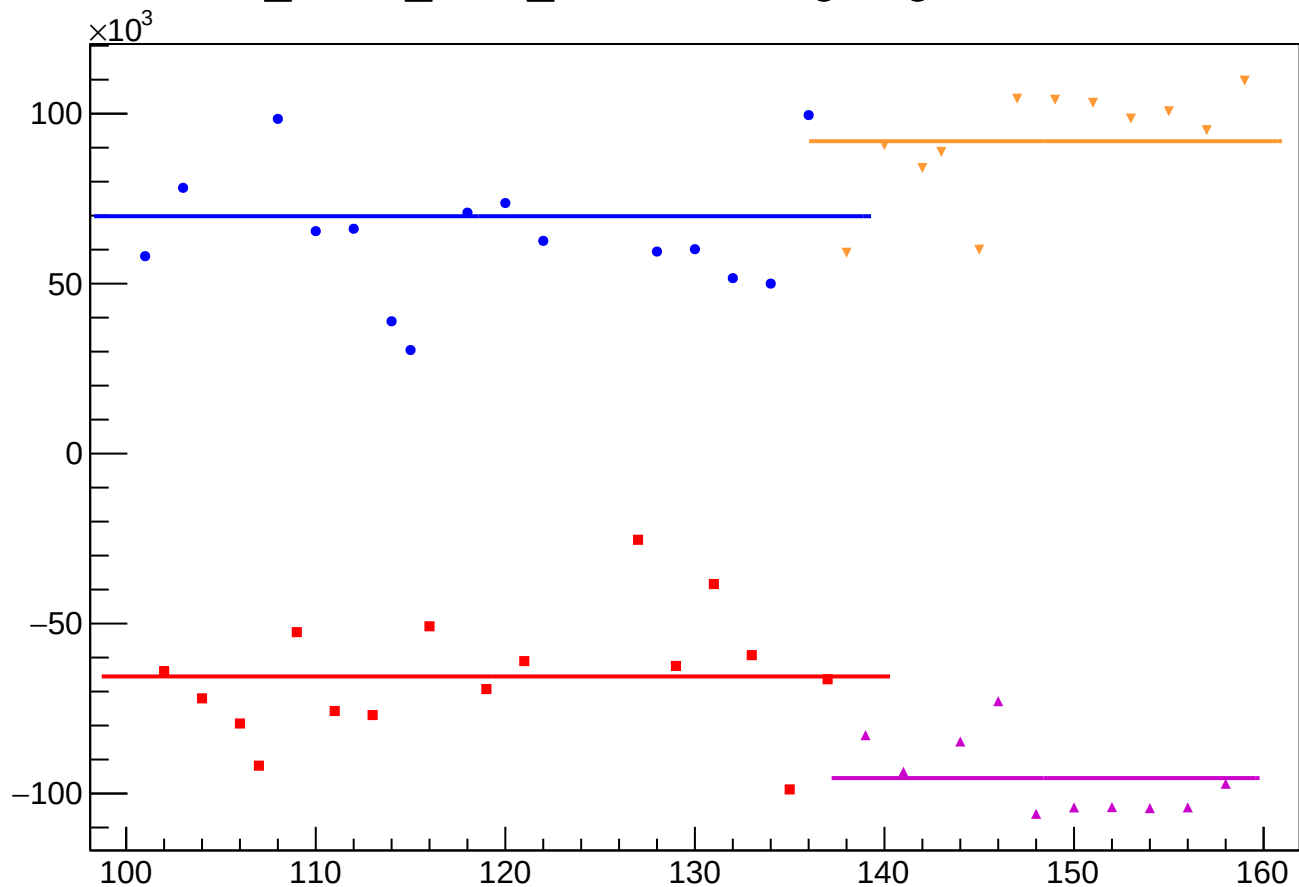
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

Left: 22.705+/-0.000 χ^2/NDF : 26611611379112939
 Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576
 In: -248.015+/-0.000 χ^2/NDF : 1971818157373371
 Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667
 All: 14.918+/-0.000 χ^2/NDF : 4121261556702

dit_sam2_coil1_mean vs Slug, Sign Corrected



Right In: 69827.797 $\pm$ 0.000

χ^2 /NDF: 187803282116493131197684060541288926150656.0/14

Left Out: 91909.028 $\pm$ 0.000

χ^2 /NDF: 240792875976910962309751824422513810604032.0/11

Right Out: -65555.147 $\pm$ 0.000

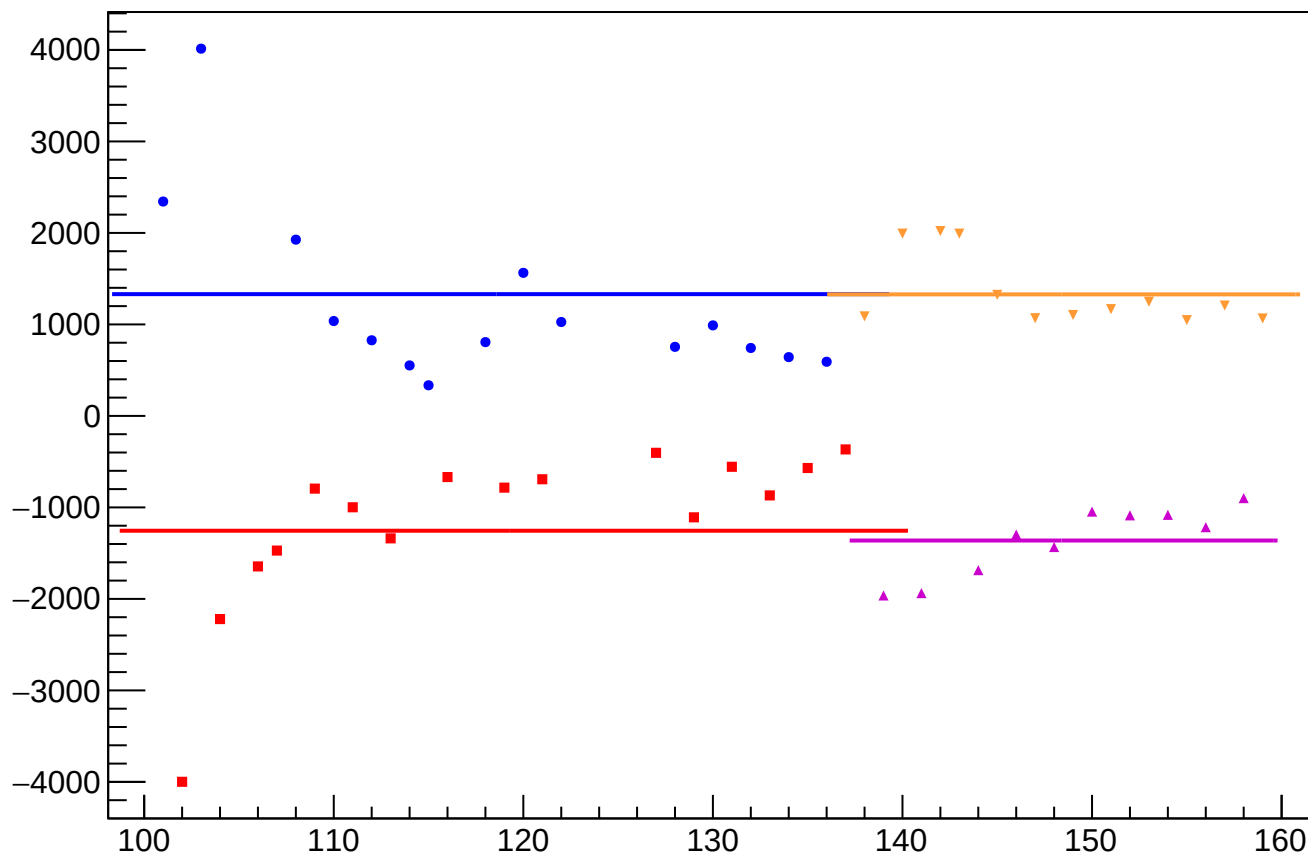
χ^2 /NDF: 212001467811386750910625783195999741673472.0/15

Left In: -95458.028 $\pm$ 0.000

χ^2 /NDF: 101475632403014531675284351140153339674624.0/9

All: 1535.586 $\pm$ 0.000 χ^2 /NDF: 2225723965

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

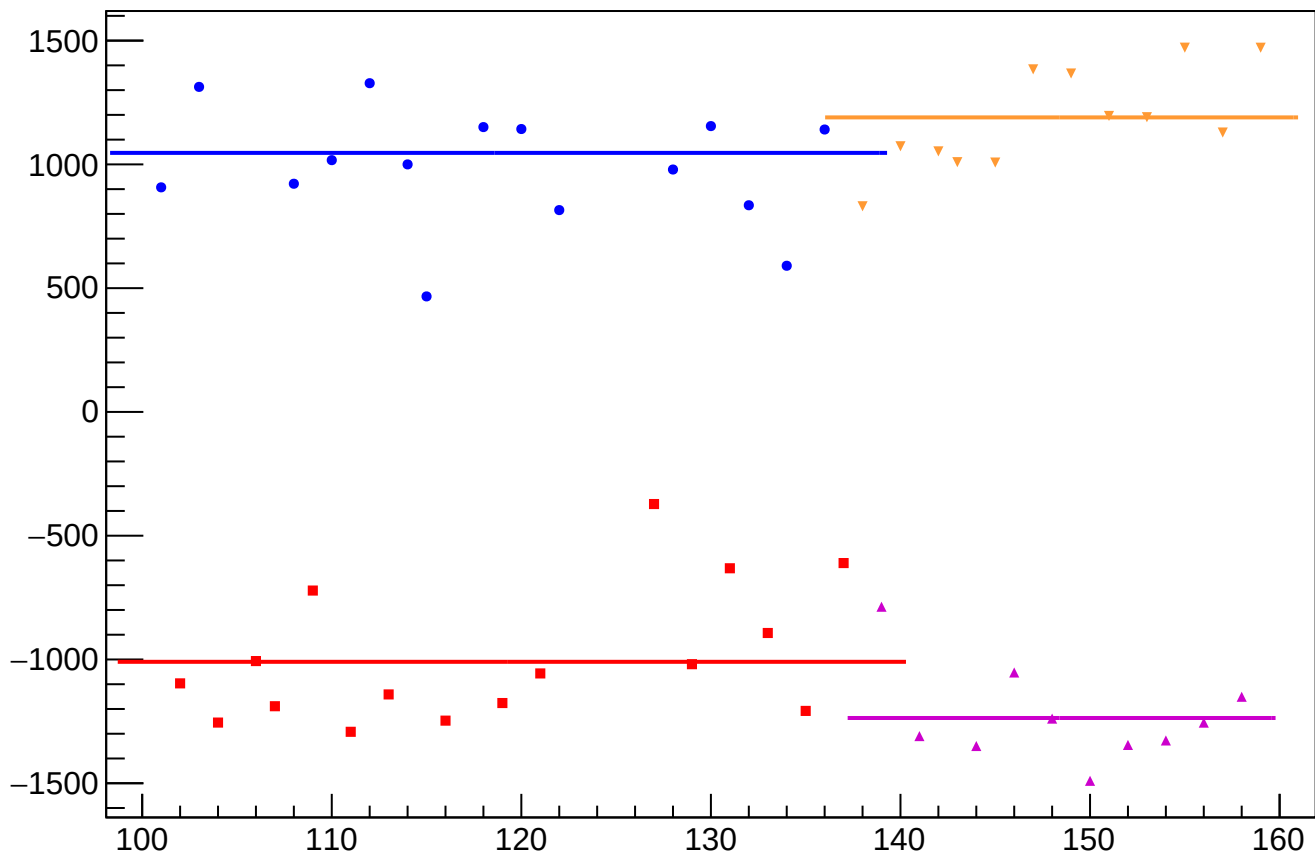
χ^2/NDF : 632140068983304062809817716800861765632.0/15

Left In: -1361.879+/-0.000

χ^2/NDF : 109209888683695341874490884585131343872.0/9

Left: 34.217+/-0.000 χ^2/NDF : 34189554528966692
 Right: 20.358+/-0.000 χ^2/NDF : 3481069250883615
 In: -196.002+/-0.000 χ^2/NDF : 3427279683305497
 Out: 240.569+/-0.000 χ^2/NDF : 3326101384624055
 All: 28.302+/-0.000 χ^2/NDF : 6900169580706

dit_sam2_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

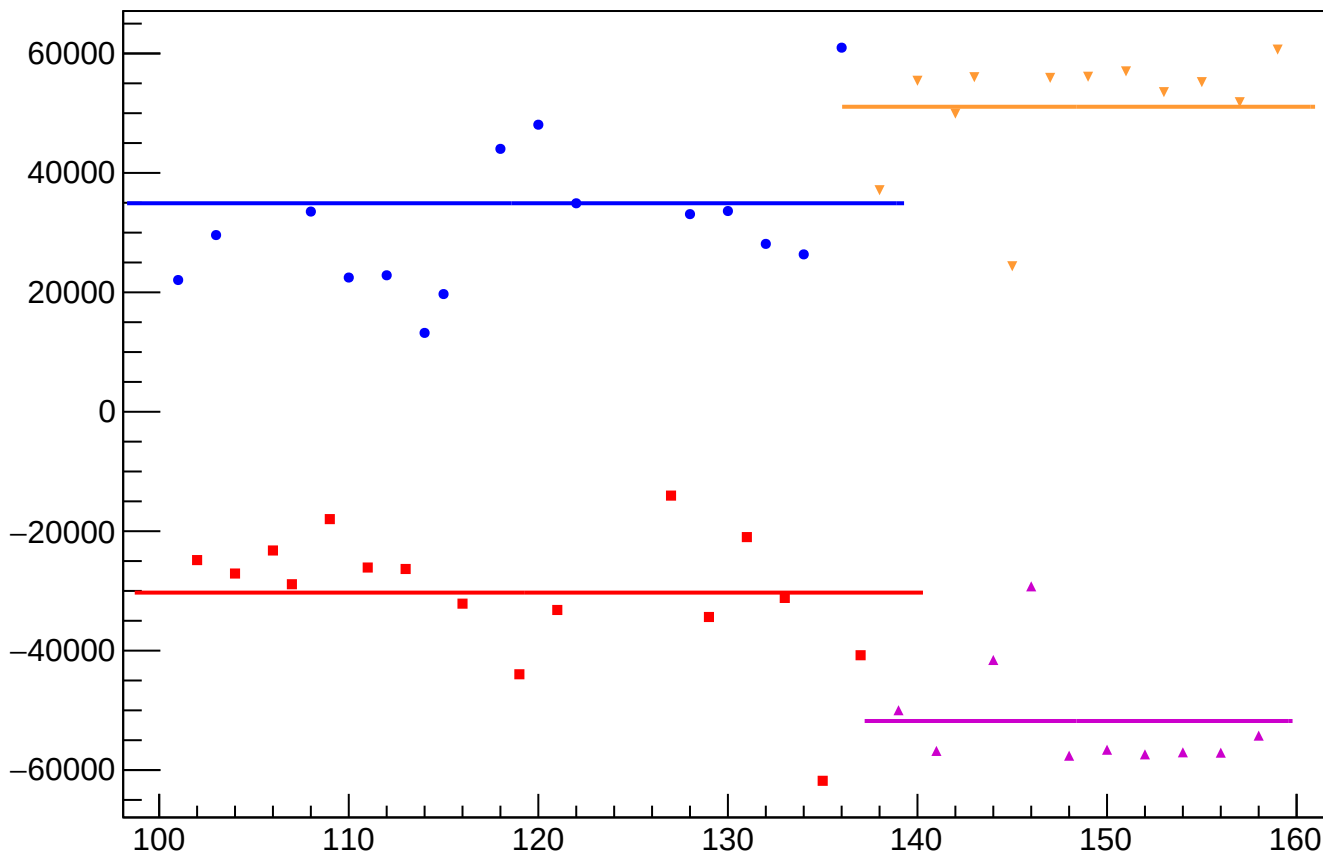
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

Left: 22.705+/-0.000 χ^2/NDF : 26611611379112939
 Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576
 In: -248.015+/-0.000 χ^2/NDF : 1971818157373371
 Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667
 All: 14.918+/-0.000 χ^2/NDF : 4121261556702

dit_sam3_coil1_mean vs Slug, Sign Corrected



Right In: 34919.716+/-0.000

χ^2/NDF : 106387385440718622155122541848729997017088.0/14

Left Out: 51078.913+/-0.000

χ^2/NDF : 92171566183632008367490399553102026899456.0/11

Right Out: -30282.373+/-0.000

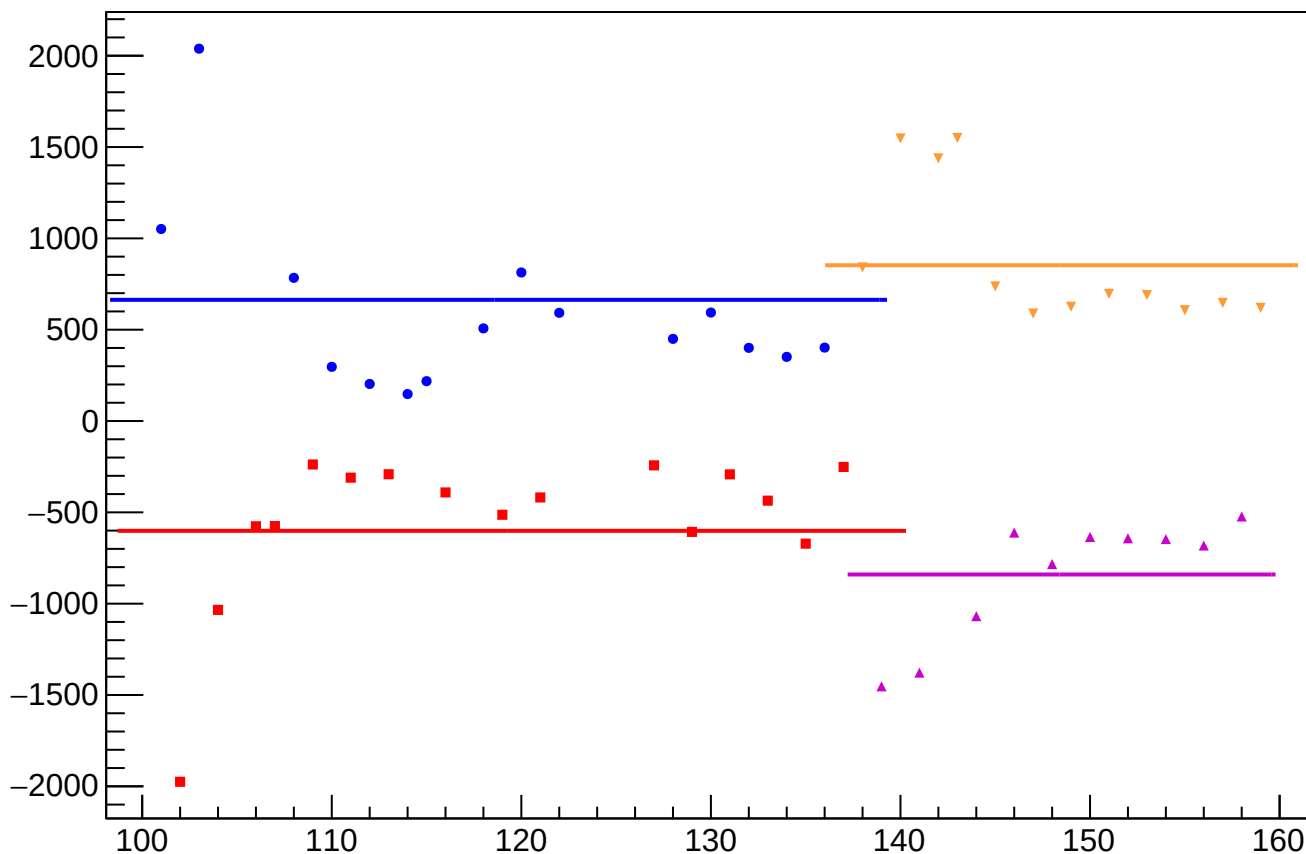
χ^2/NDF : 88346165266593126627598951693506073067520.0/15

Left In: -51781.969+/-0.000

χ^2/NDF : 66733465040190582939715908032157506863104.0/9

All: 1715.615+/-0.000 χ^2/NDF : 64192701019

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: -840.300+/-0.000

χ^2/NDF : 84988014253146343265773178276773101568.0/9

Left: 38.364+/-0.000 χ^2/NDF : 14649148179215004.0/14

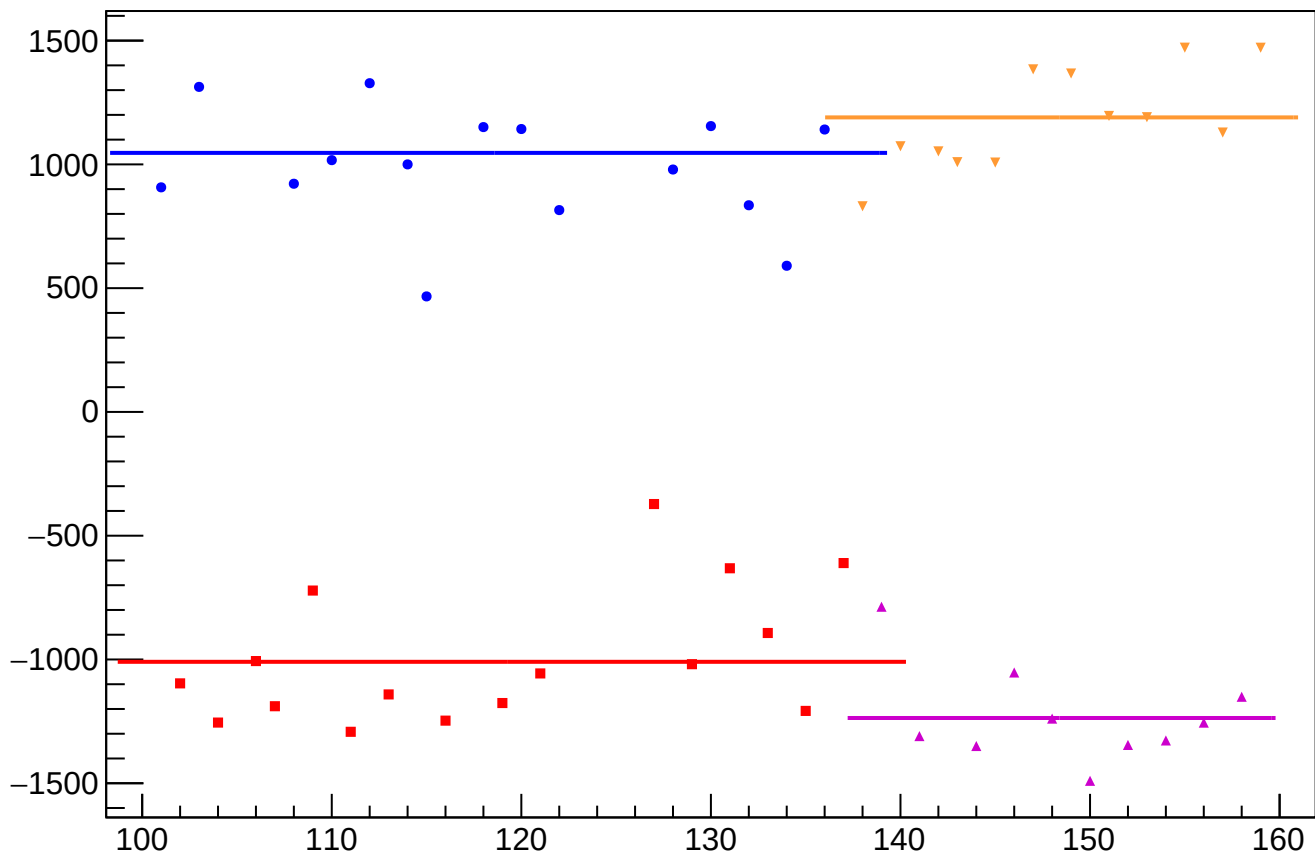
Right: 22.529+/-0.000 χ^2/NDF : 8336101395091641.0/14

In: -189.190+/-0.000 χ^2/NDF : 1074988460029003.0/14

Out: 240.550+/-0.000 χ^2/NDF : 1081494290409820.0/14

All: 31.604+/-0.000 χ^2/NDF : 2298714074624.0/14

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

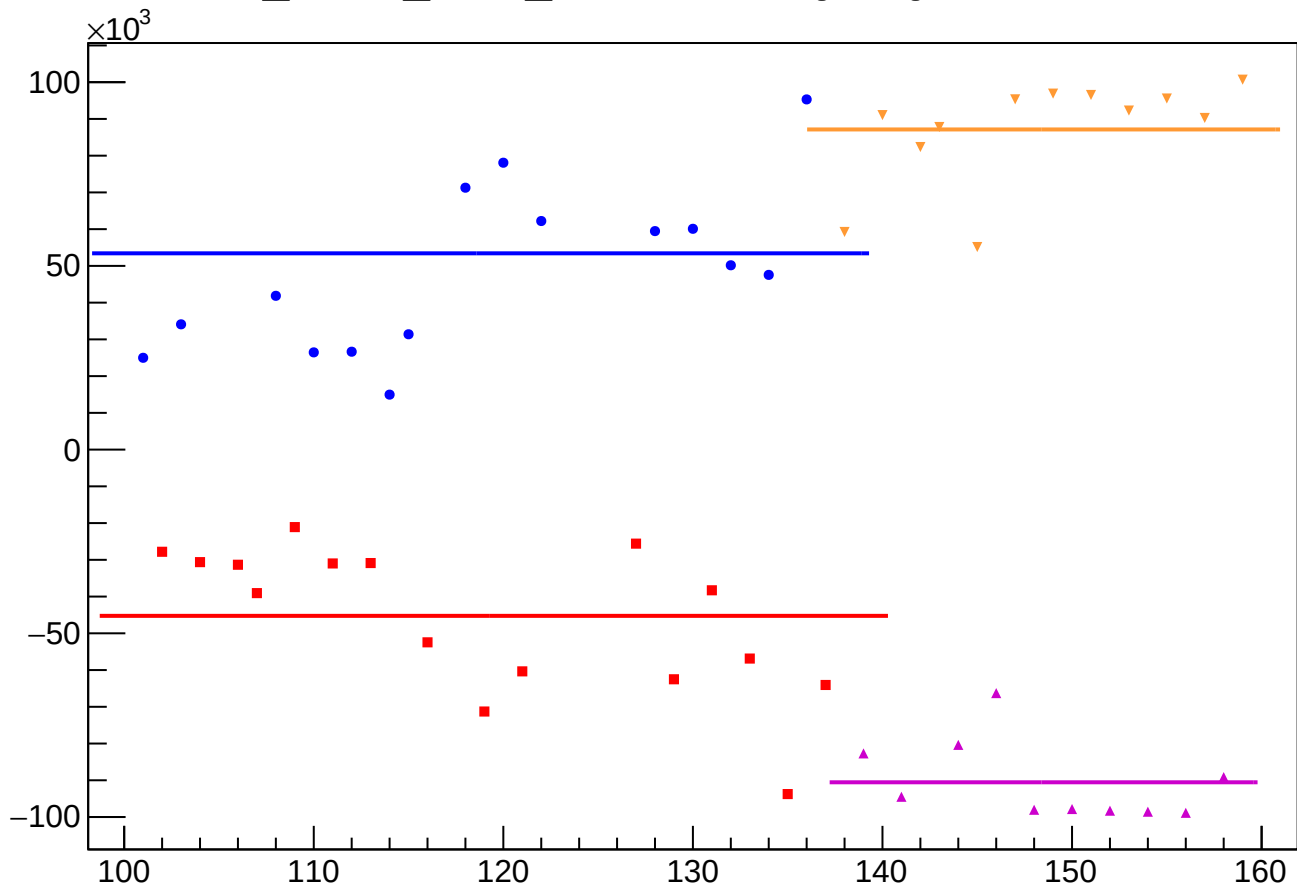
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

Left: 22.705+/-0.000 χ^2/NDF : 26611611379112939
 Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576
 In: -248.015+/-0.000 χ^2/NDF : 1971818157373371
 Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667
 All: 14.918+/-0.000 χ^2/NDF : 4121261556702

dit_sam4_coil1_mean vs Slug, Sign Corrected



Right In: 53422.452+/-0.000

χ^2/NDF : 360635757315133800133751123167777346551808.0/14

Left Out: 87135.960+/-0.000

χ^2/NDF : 189391741344290721413233098775018944331776.0/11

Right Out: -45247.617+/-0.000

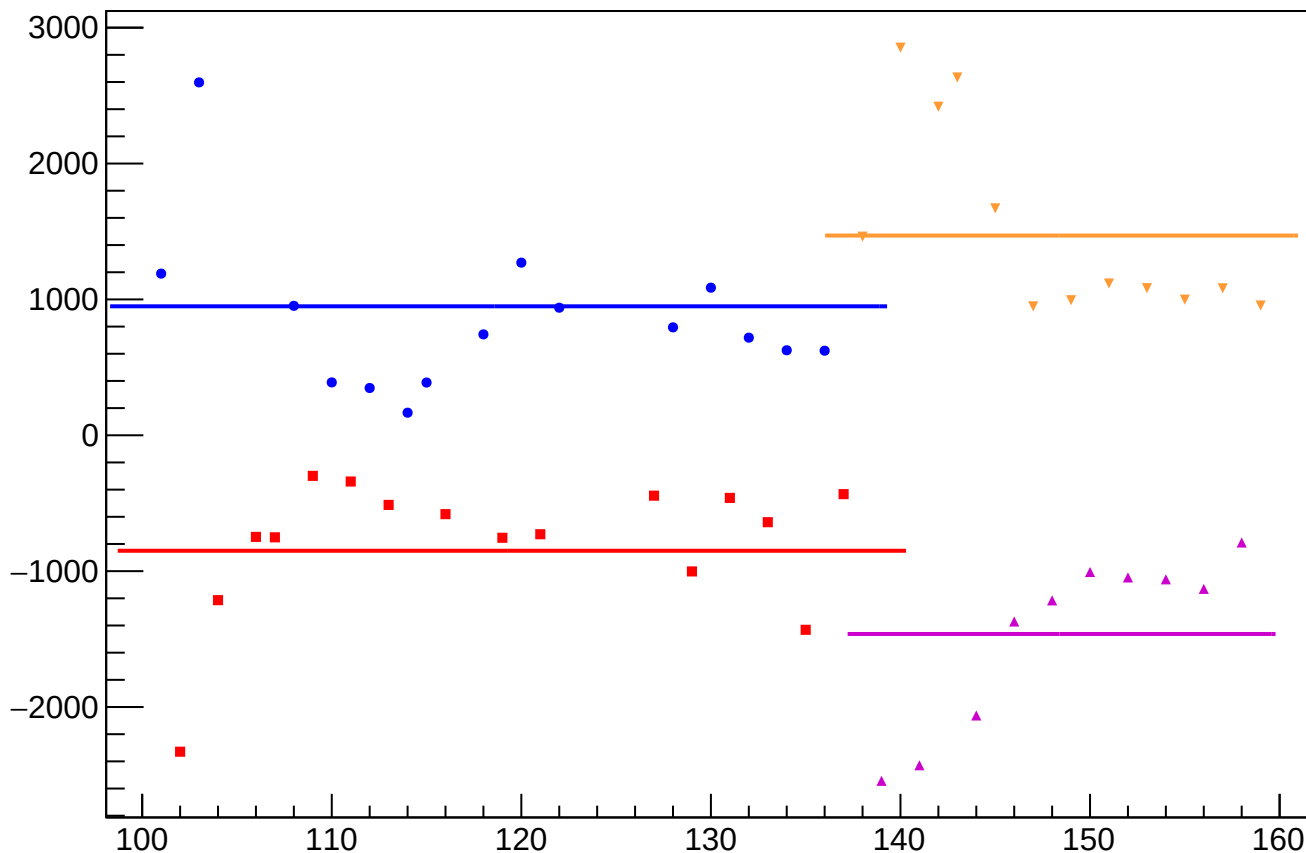
χ^2/NDF : 286060196488034430215784613374055547928576.0/15

Left In: -90548.283+/-0.000

χ^2/NDF : 90567192367581144642840115220725171748864.0/9

Left: 1662.499+/-0.000 χ^2/NDF : 142067015169399
 Right: 3412.622+/-0.000 χ^2/NDF : 38491691465863
 In: -28215.390+/-0.000 χ^2/NDF : 80791985467857
 Out: 31391.108+/-0.000 χ^2/NDF : 72426395712249
 All: 2409.551+/-0.000 χ^2/NDF : 18058180899

dit_sam4_coil1_err_mean vs Slug, Sign Corrected



Right In: 949.197 +/- 0.000

χ^2/NDF : 225691032183153732733308094067658194944.0/14

Left: 59.477 +/- 0.000 χ^2/NDF : 45049519776610460

Right: 37.382 +/- 0.000 χ^2/NDF : 1494917928354426

Left Out: 1470.170 +/- 0.000

χ^2/NDF : 405590375156650172280507211961333710848.0/11

In: -418.294 +/- 0.000 χ^2/NDF : 2671752665930269

Right Out: -849.827 +/- 0.000

χ^2/NDF : 204622224261577247702227312745197338624.0/15

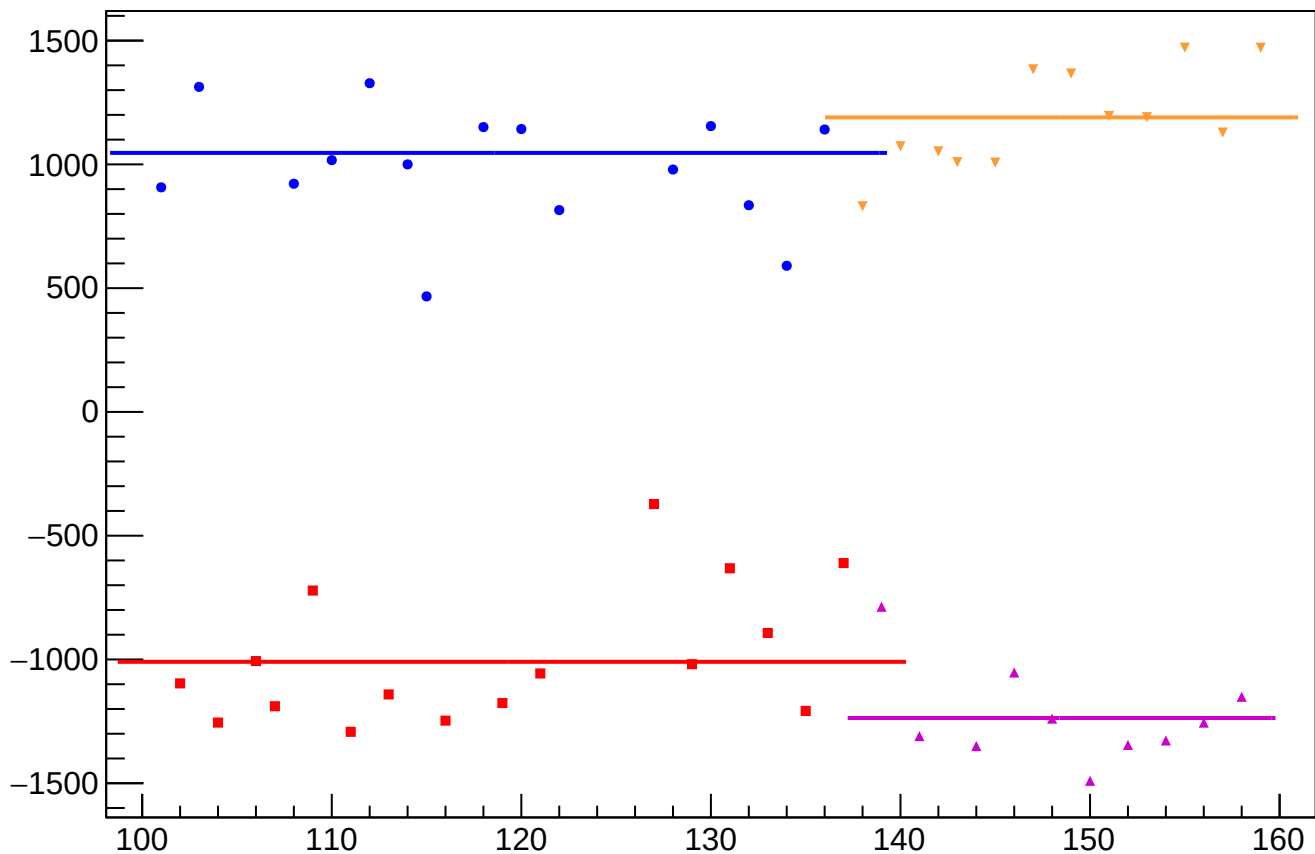
Out: 493.252 +/- 0.000 χ^2/NDF : 2688543806154343

Left In: -1462.413 +/- 0.000

χ^2/NDF : 305754579689442350243410753812753809408.0/9

All: 50.045 +/- 0.000 χ^2/NDF : 6000238117341

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

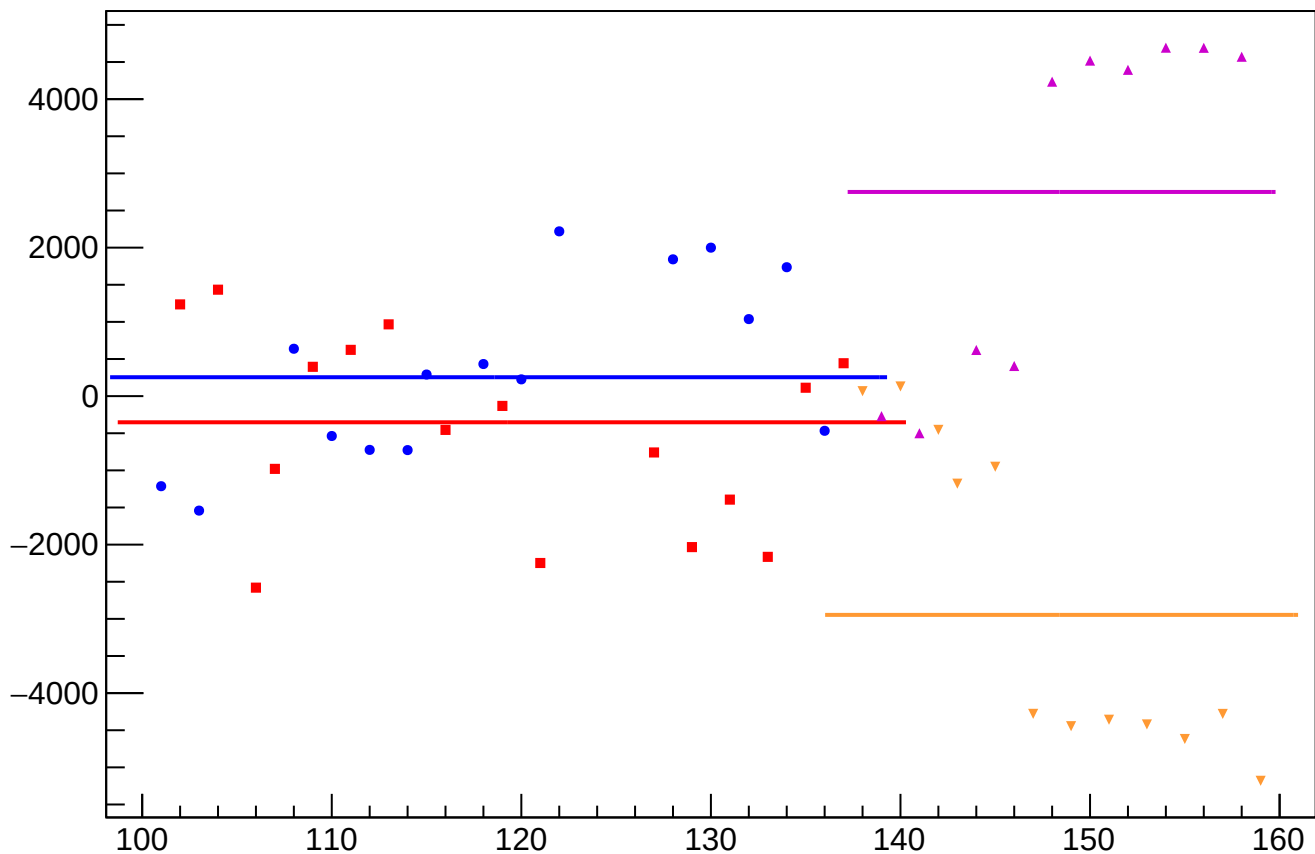
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

All: 14.918+/-0.000 χ^2/NDF : 4121261556702

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

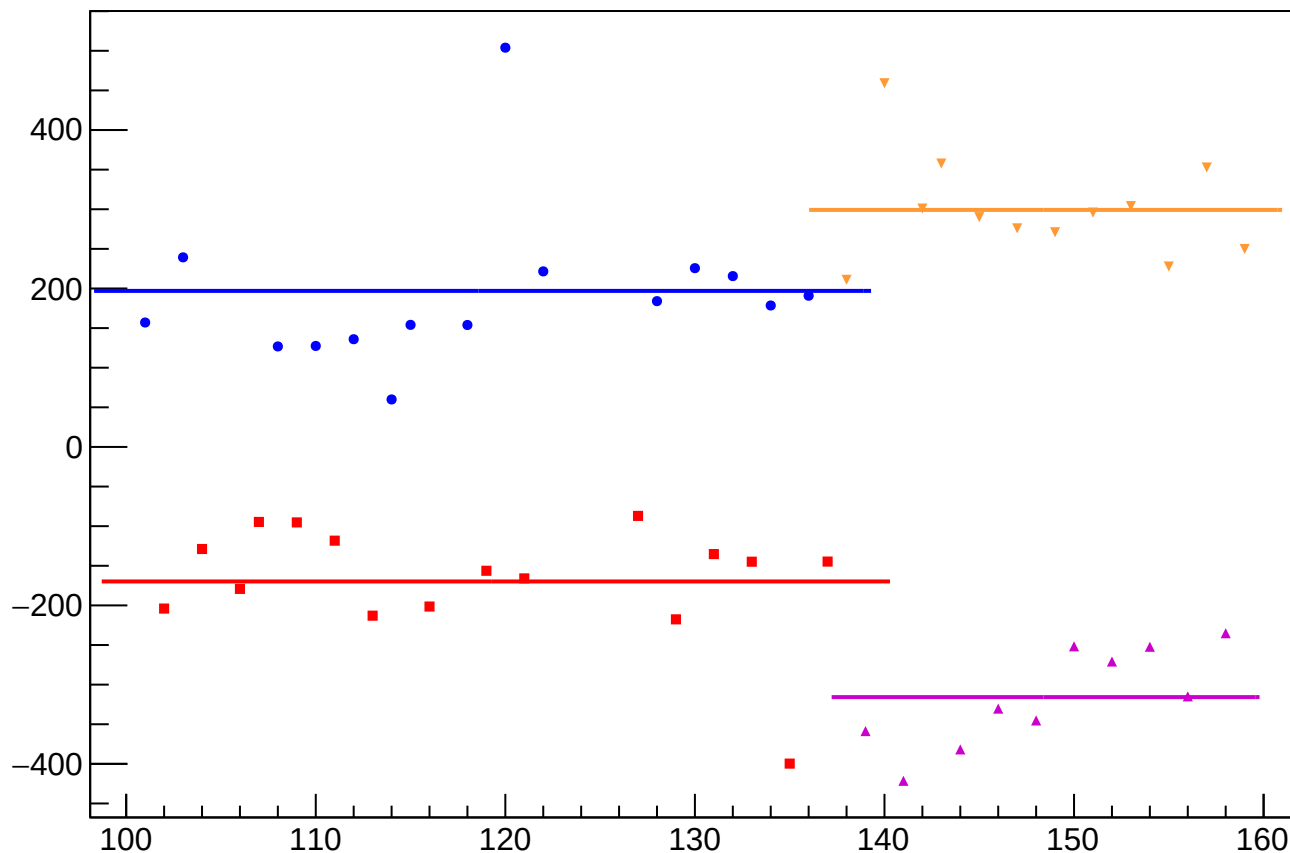
χ^2/NDF : 1100813647101508513447529068154010468352.0/15

Left In: 2749.937 +/- 0.000

χ^2/NDF : 4106947742091475953709574128361512370176.0/9

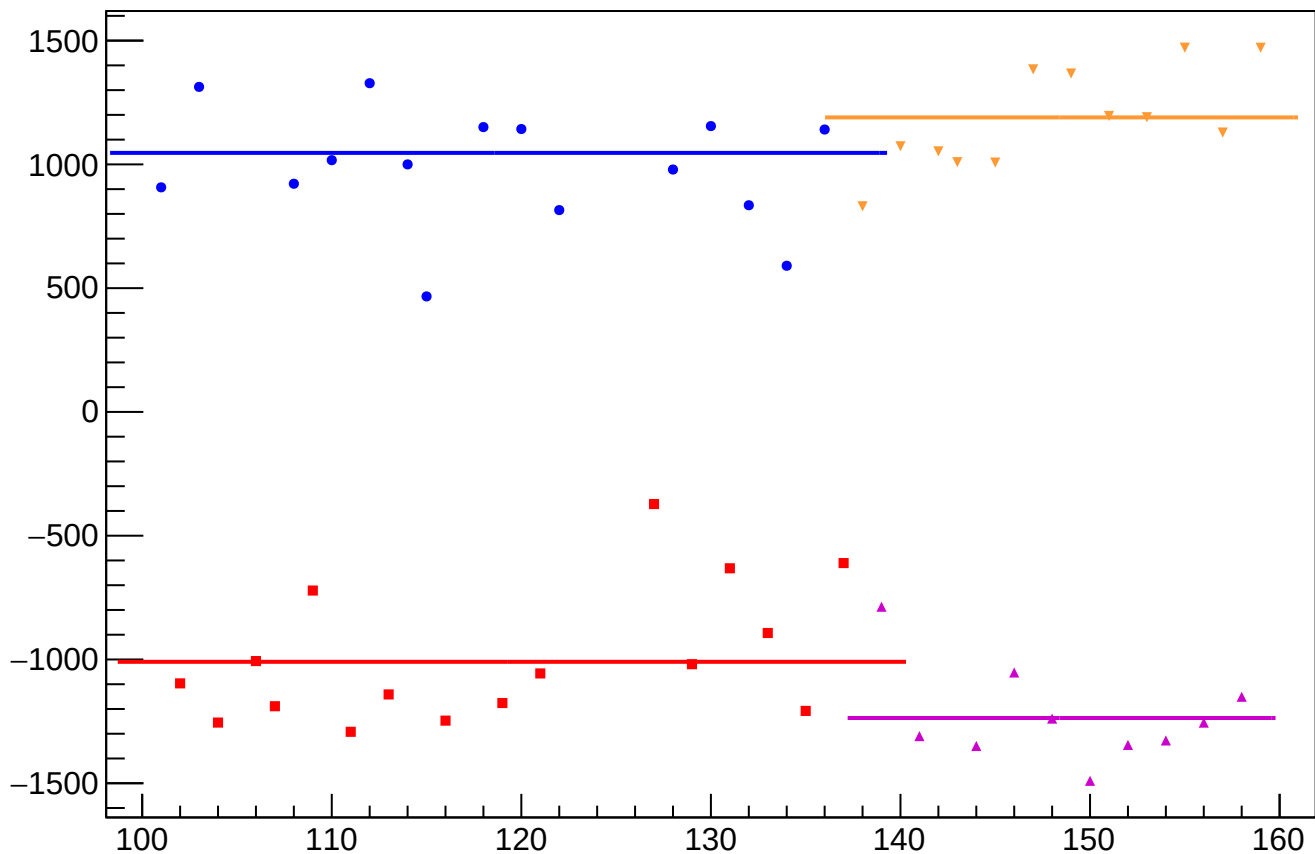
All: -140.805 +/- 0.000 χ^2/NDF : 24369175307

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: -315.748 $\pm$ 0.000 χ^2 /NDF: 3011618513660146198341193194490822656.0/9
 All: 6.661 $\pm$ 0.000 χ^2 /NDF: 22635200845779

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

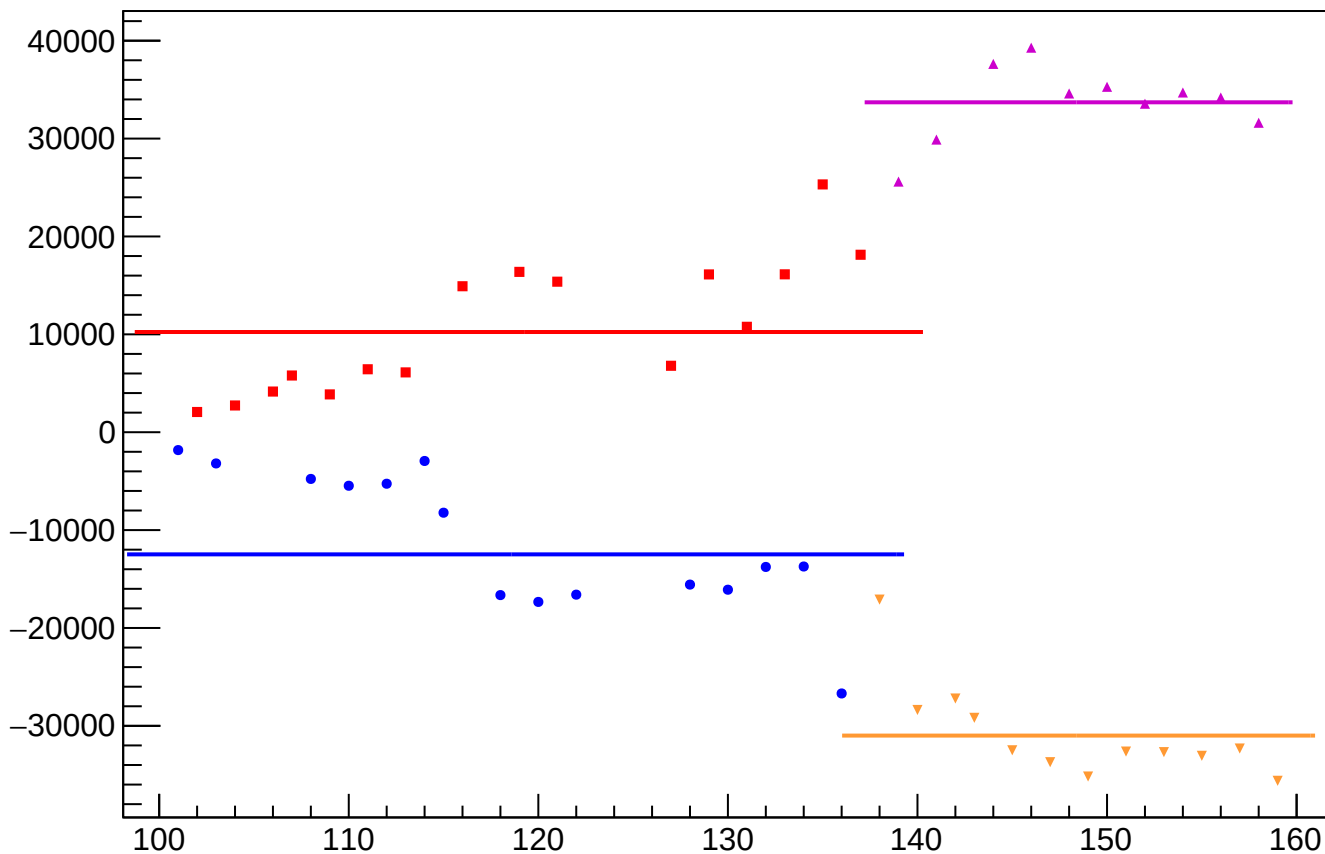
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

Left: 22.705+/-0.000 χ^2/NDF : 26611611379112939
 Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576
 In: -248.015+/-0.000 χ^2/NDF : 1971818157373371
 Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667
 All: 14.918+/-0.000 χ^2/NDF : 4121261556702

dit_sam6_coil1_mean vs Slug, Sign Corrected



Right In: -12479.653+/-0.000

Left Out: -30994.631+/-0.000

Right Out: 10238.098+/-0.000

Left In: 33706.326+/-0.000

χ^2/NDF : 41178633231253805317353333973475271901184.0/14

χ^2/NDF : 21360802405540775794048943647973709971456.0/11

χ^2/NDF : 31227861126159534031961501923223718068224.0/15

χ^2/NDF : 11264837915074792492867205037539656204288.0/9

Left: 129.202+/-0.000 χ^2/NDF : 1879226921871010

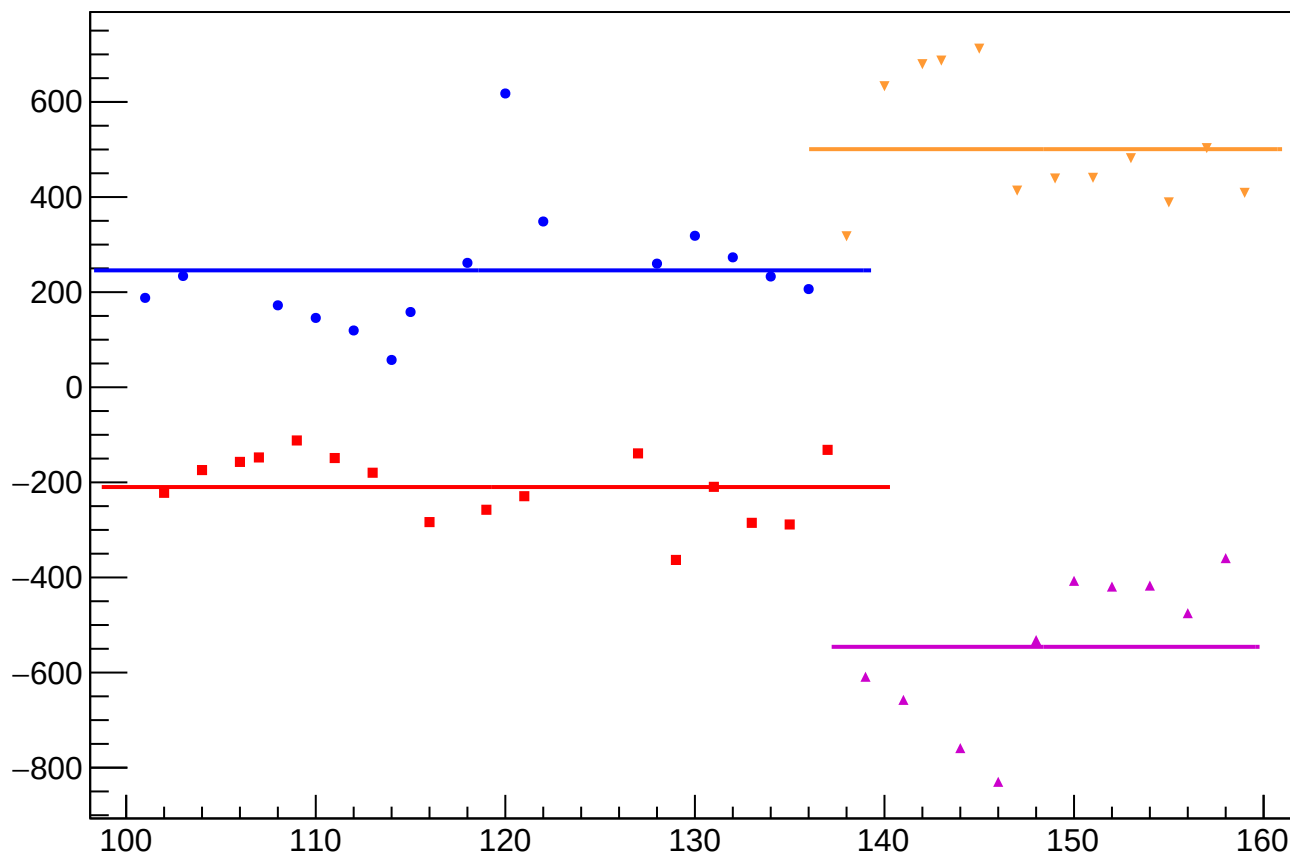
Right: -965.413+/-0.000 χ^2/NDF : 24217037814564

In: 13709.862+/-0.000 χ^2/NDF : 837466336256302

Out: -13632.112+/-0.000 χ^2/NDF : 7090726770294

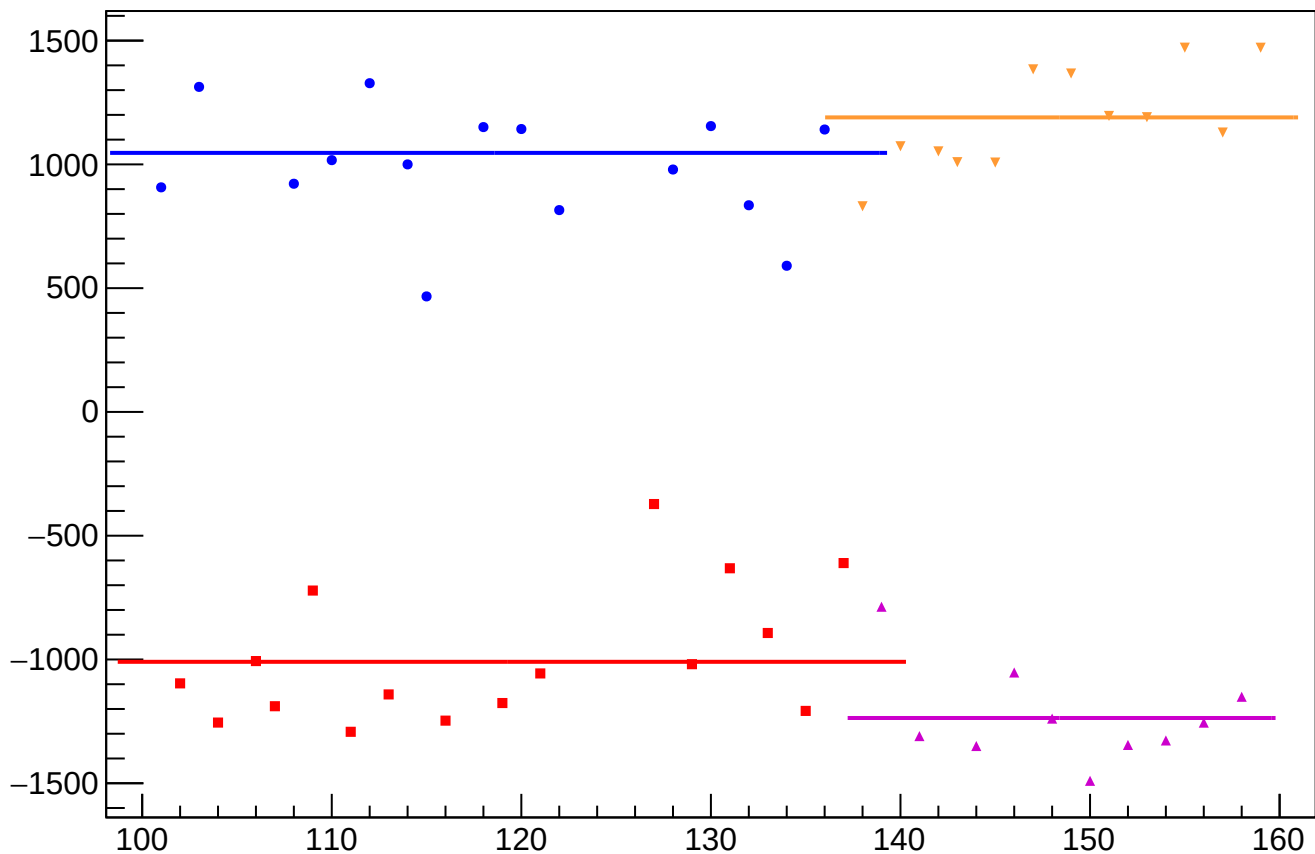
All: -338.042+/-0.000 χ^2/NDF : 21223010369

dit_sam6_coil1_err_mean vs Slug, Sign Corrected



Left: -2.729 $\pm$ 0.000 χ^2/NDF : 51750269871008631
 Right In: 245.832 $\pm$ 0.000 χ^2/NDF : 7828269009300013139414476154059358208.0/14
 Right: 14.878 $\pm$ 0.000 χ^2/NDF : 7925780675793006
 Left Out: 500.722 $\pm$ 0.000 χ^2/NDF : 14366647854030986801089252354911371264.0/11
 In: -203.095 $\pm$ 0.000 χ^2/NDF : 2584565201450208
 Right Out: -209.844 $\pm$ 0.000 χ^2/NDF : 3128489258838765241921217786024034304.0/15
 Out: 201.513 $\pm$ 0.000 χ^2/NDF : 2124563365835666
 Left In: -545.864 $\pm$ 0.000 χ^2/NDF : 19964352459691075511636575309768163328.0/9
 All: 4.787 $\pm$ 0.000 χ^2/NDF : 59699433986767

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

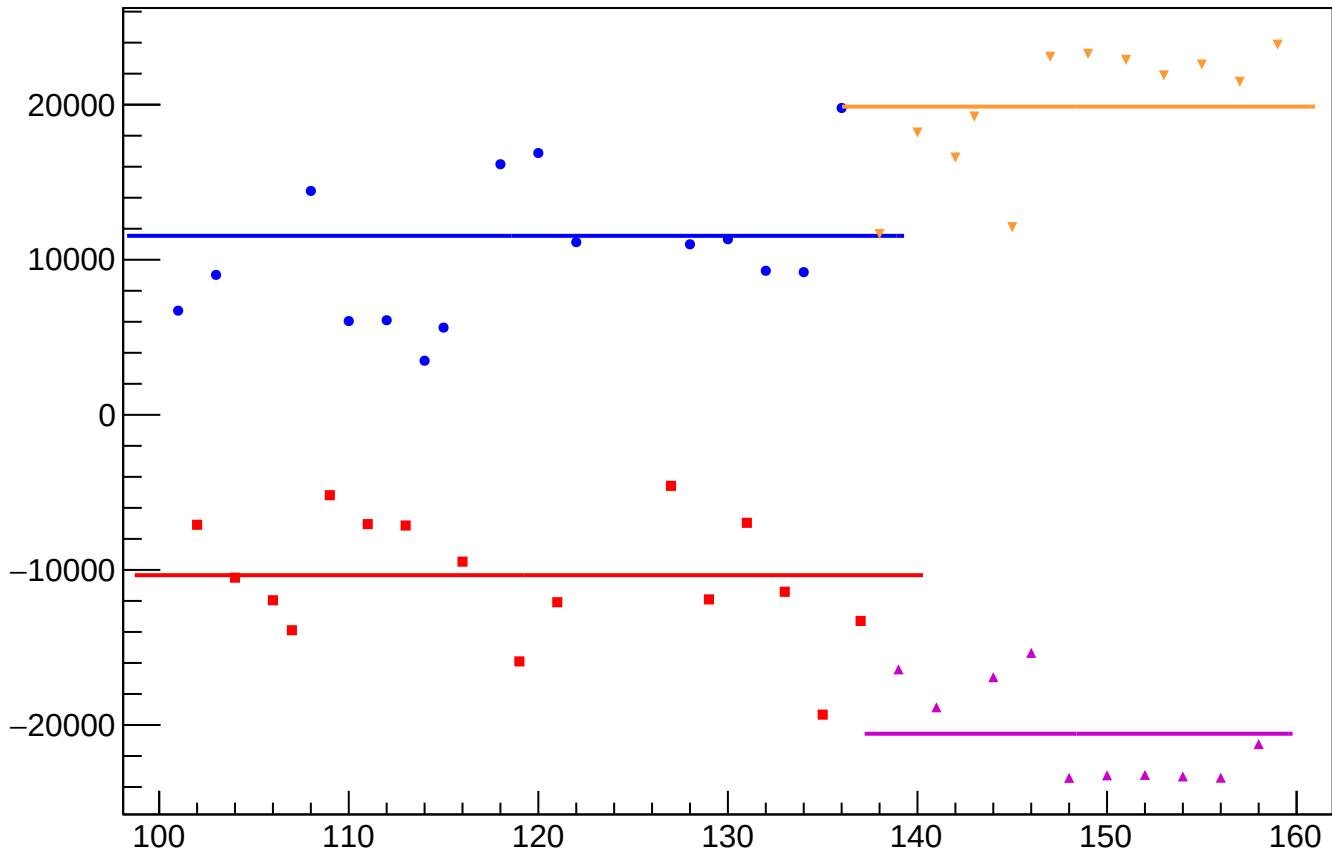
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

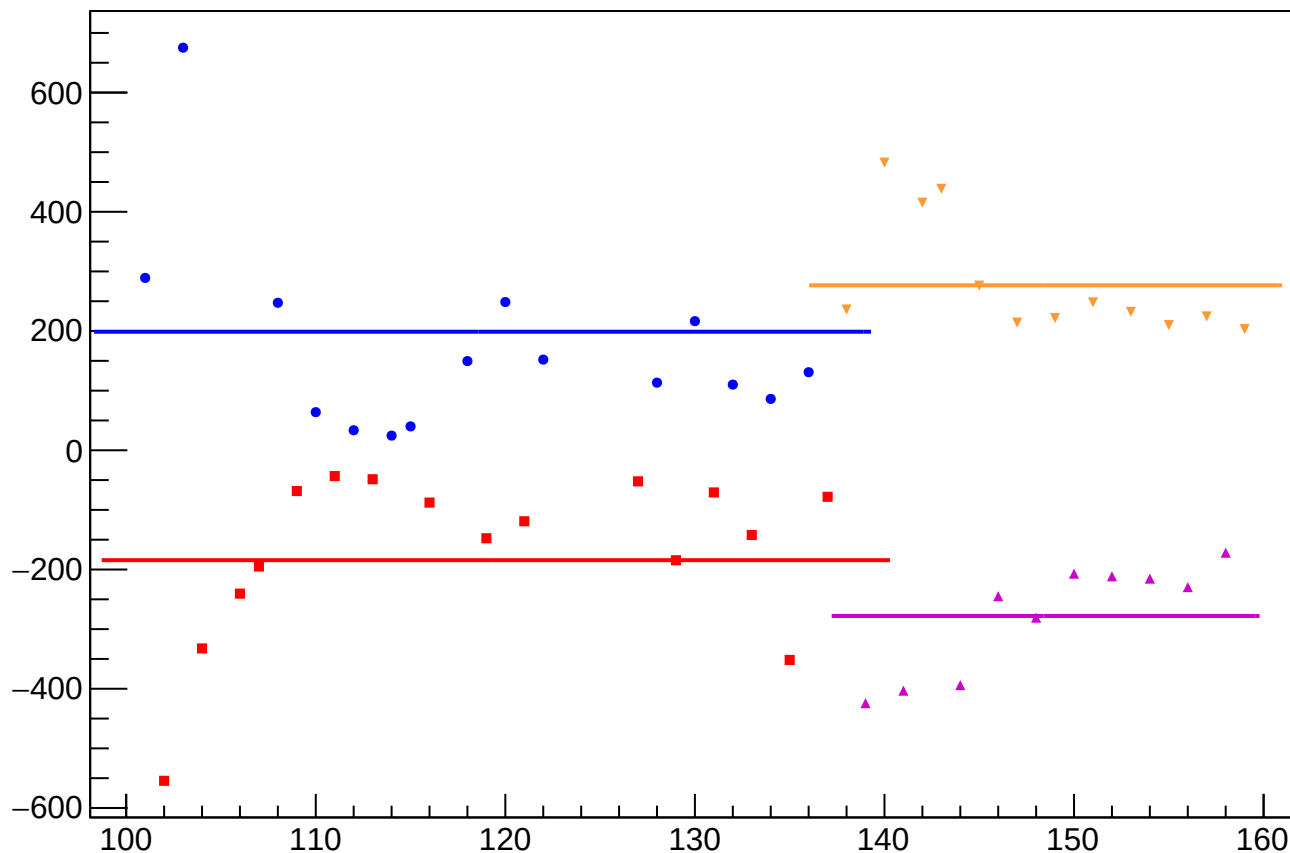
Left: 22.705+/-0.000 χ^2/NDF : 26611611379112939
 Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576
 In: -248.015+/-0.000 χ^2/NDF : 1971818157373371
 Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667
 All: 14.918+/-0.000 χ^2/NDF : 4121261556702

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: -20564.157+/-0.000 χ^2/NDF : 8386345647759503780235608110289412685824.0/9
 All: 434.798+/-0.000 χ^2/NDF : 928569161604

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: -277.919+/-0.000

χ^2/NDF : 6646167093782782282430285344535478272.0/9

Left: 9.920+/-0.000 χ^2/NDF : 150380170050990755

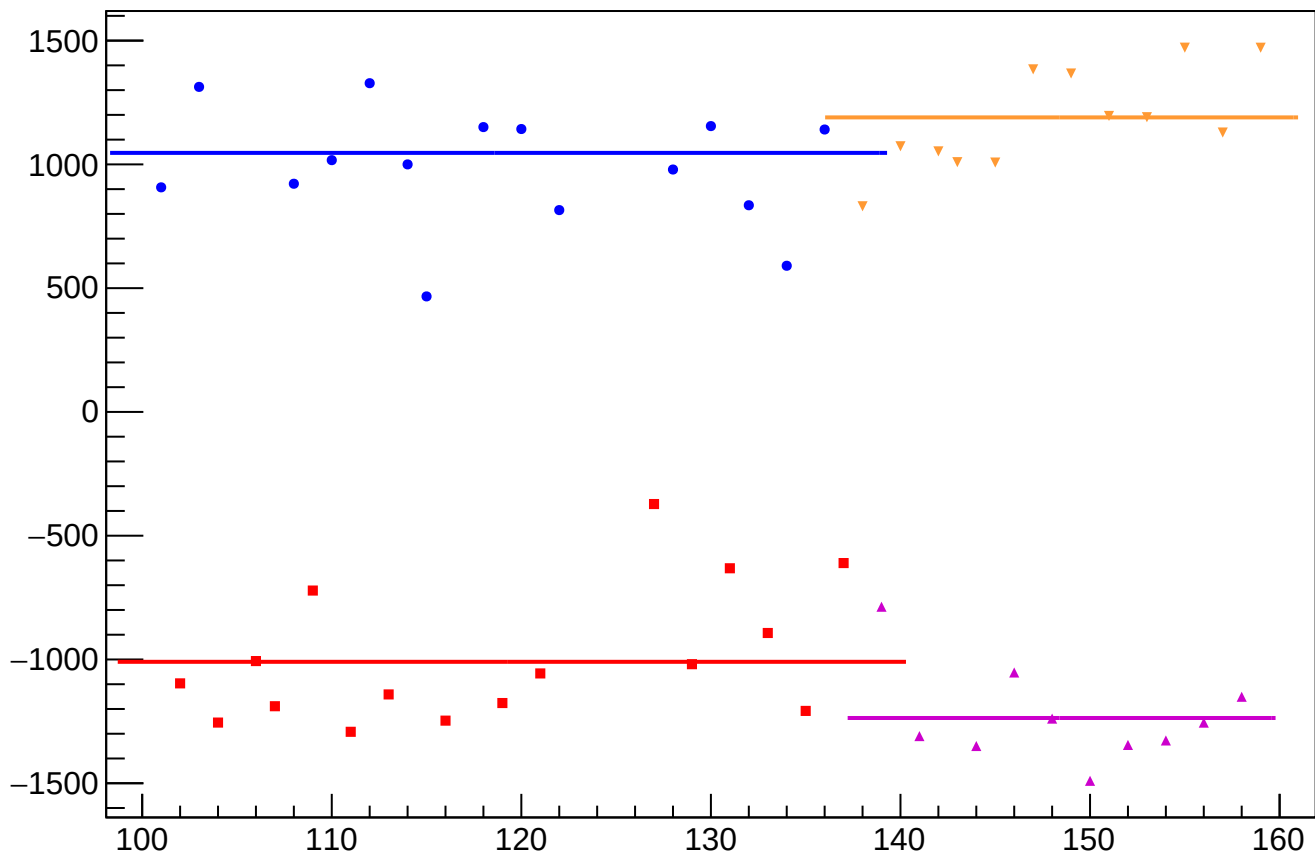
Right: 4.640+/-0.000 χ^2/NDF : 81558141576342570

In: -71.499+/-0.000 χ^2/NDF : 10863271620384174

Out: 82.584+/-0.000 χ^2/NDF : 10504153197861264

All: 7.667+/-0.000 χ^2/NDF : 23195933899150

dit_sam7_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

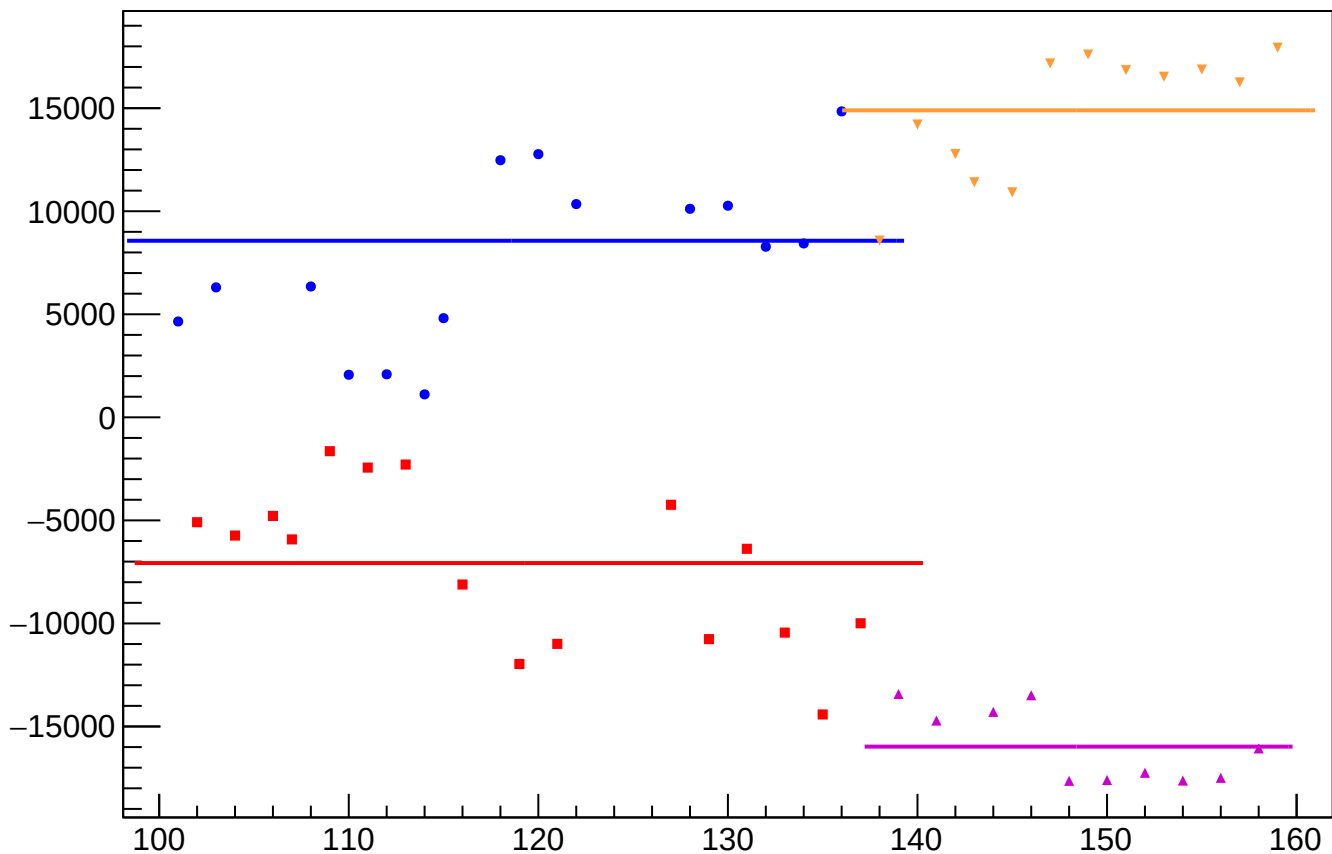
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

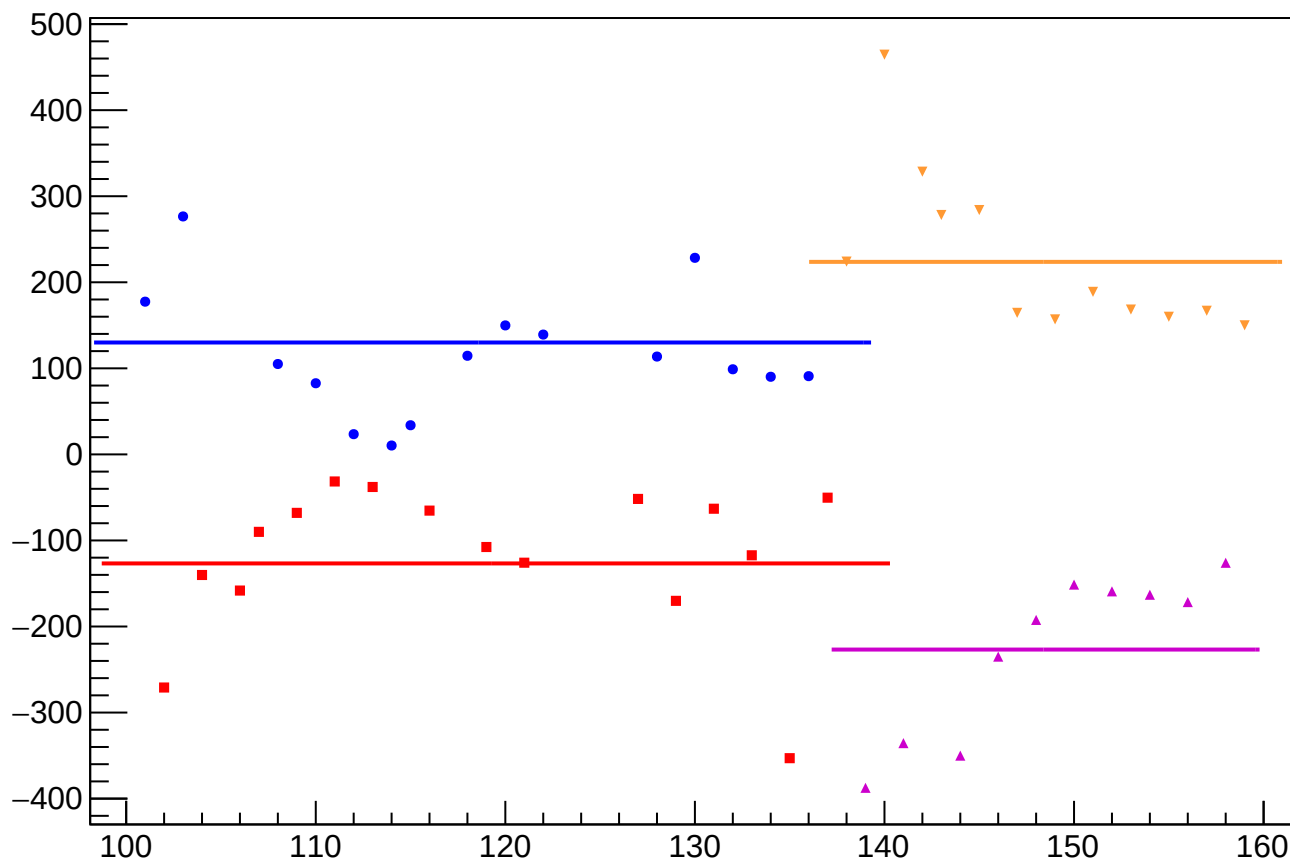
Left: 22.705+/-0.000 χ^2/NDF : 26611611379112939
 Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576
 In: -248.015+/-0.000 χ^2/NDF : 1971818157373371
 Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667
 All: 14.918+/-0.000 χ^2/NDF : 4121261556702

dit_sam8_coil1_mean vs Slug, Sign Corrected



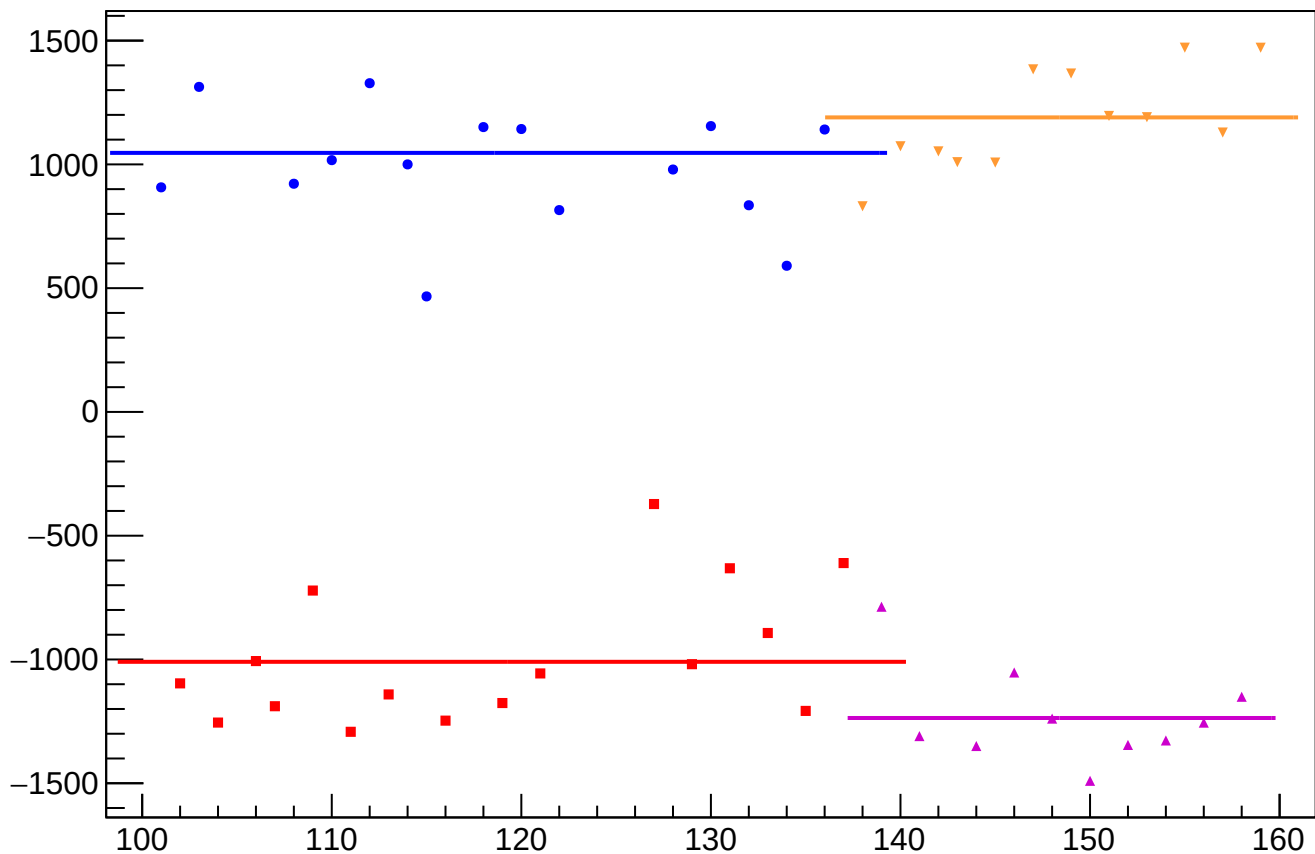
Left: 43.942 $\pm$ 0.000 χ^2/NDF : 43108552098795826
 Right In: 8567.784 $\pm$ 0.000 χ^2/NDF : 11106048878972501366429055679645708451840.0/14
 Right: 642.005 $\pm$ 0.000 χ^2/NDF : 101620430321781
 Left Out: 14894.671 $\pm$ 0.000 χ^2/NDF : 8196994251162162548782617513195066097664.0/11
 In: -5350.418 $\pm$ 0.000 χ^2/NDF : 235289671208818
 Right Out: -7069.884 $\pm$ 0.000 χ^2/NDF : 10076862363502652111378210539664387866624.0/15
 Out: 5645.707 $\pm$ 0.000 χ^2/NDF : 204561838277248
 Left In: -15977.375 $\pm$ 0.000 χ^2/NDF : 2469319088731533526130583783769882230784.0/9
 All: 299.229 $\pm$ 0.000 χ^2/NDF : 532975734058

dit_sam8_coil1_err_mean vs Slug, Sign Corrected



Right In: 130.021 $\pm$ 0.000 χ^2 /NDF: 3115259987552341725946418665378283520.0/14
 Left Out: 223.724 $\pm$ 0.000 χ^2 /NDF: 7769866101258790132911352573971136512.0/11
 Right Out: -126.709 $\pm$ 0.000 χ^2 /NDF: 5397122581297664561308621600668516352.0/15
 Left In: -226.791 $\pm$ 0.000 χ^2 /NDF: 6897835886034787257624479201729970176.0/9
 All: 3.974 $\pm$ 0.000 χ^2 /NDF: 13442881511774

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: -1236.408+/-0.000

χ^2/NDF : 29011215487479499501392823898483982336.0/9

Left: 22.705+/-0.000 χ^2/NDF : 26611611379112939

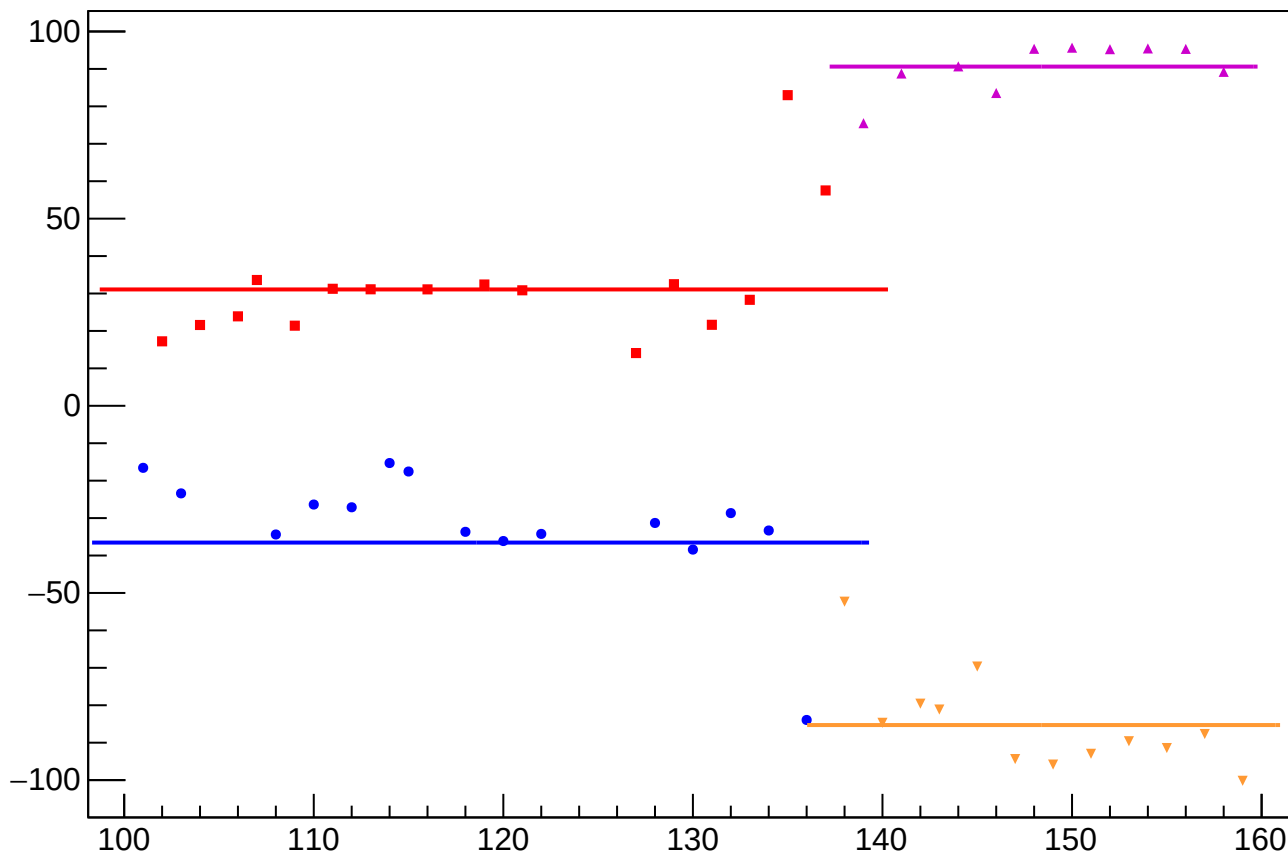
Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576

In: -248.015+/-0.000 χ^2/NDF : 1971818157373371

Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667

All: 14.918+/-0.000 χ^2/NDF : 4121261556702

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: 90.621+/-0.000

χ^2/NDF : 254351867861444609202637633864335360.0/14

χ^2/NDF : 150335186575692047525398073172819968.0/11

χ^2/NDF : 181291079119381636178408498876383232.0/15

χ^2/NDF : 33089725937732516677839162370424832.0/9

Left: -0.670+/-0.000 χ^2/NDF : 13833680734584597

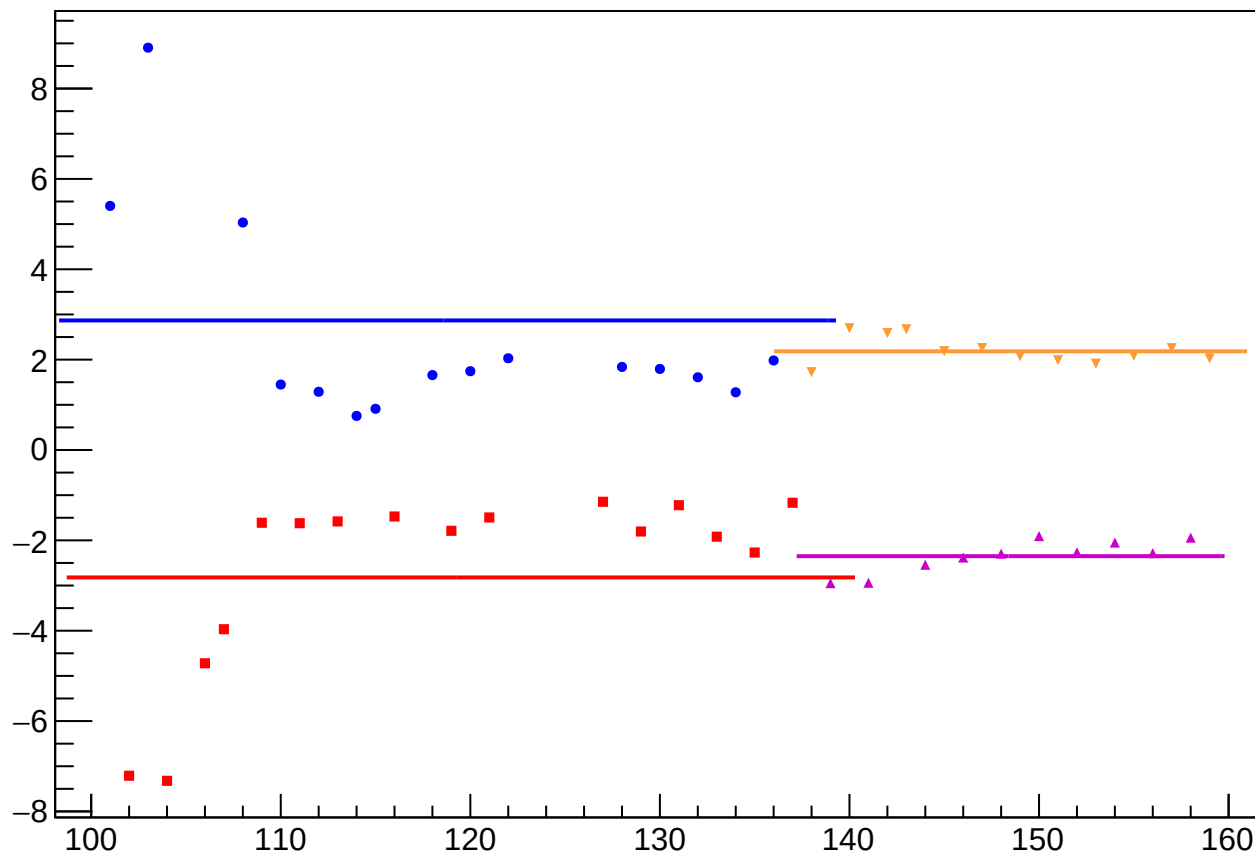
Right: -2.265+/-0.000 χ^2/NDF : 1939933040270060

In: 35.566+/-0.000 χ^2/NDF : 623817005437211197

Out: -36.286+/-0.000 χ^2/NDF : 5561186086442477

All: -1.351+/-0.000 χ^2/NDF : 1577553285943

dit_4aX_coil3_err_mean vs Slug, Sign Corrected



Left: 0.003 +/- 0.000 χ^2/NDF : 924941339306670729

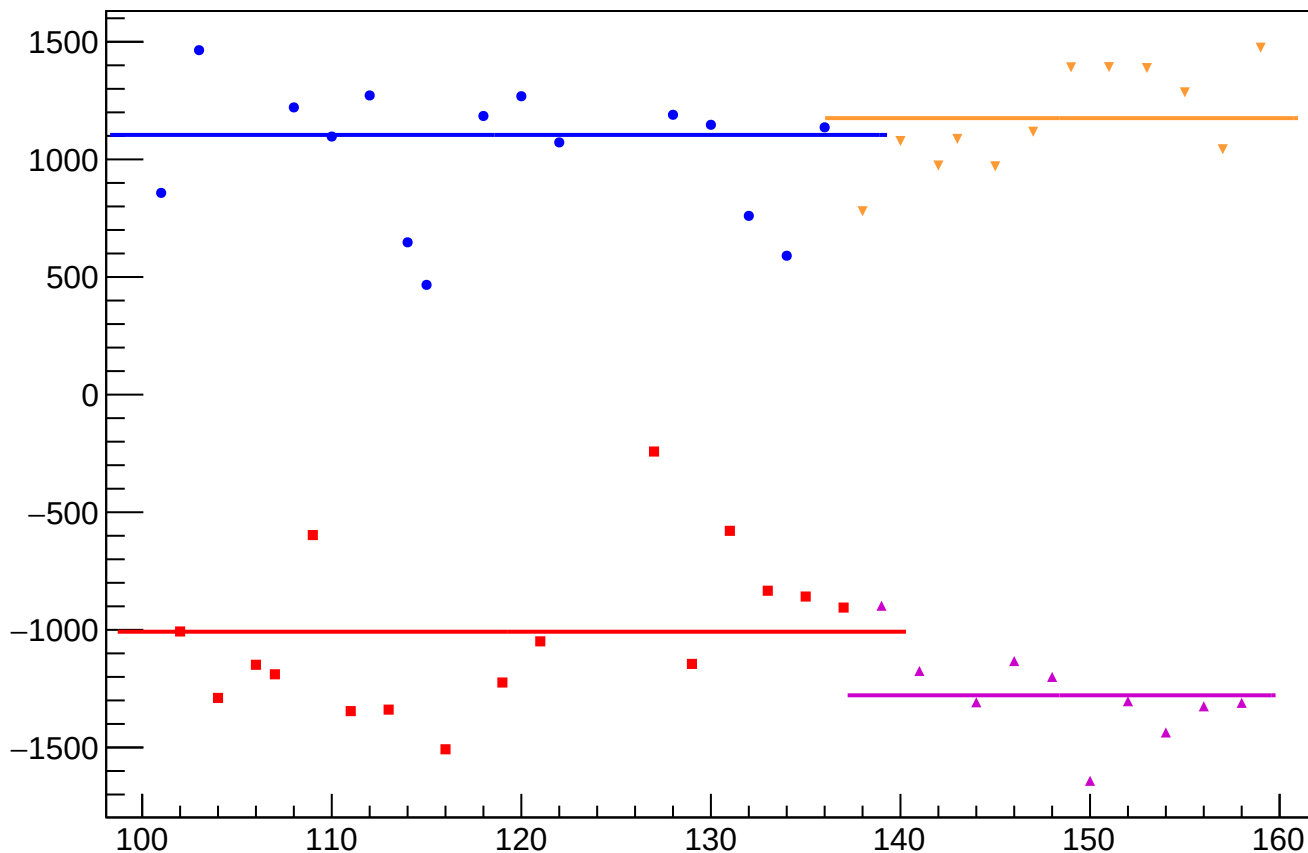
Right: -0.016 +/- 0.000 χ^2/NDF : 1715222089110172

In: -0.091 +/- 0.000 χ^2/NDF : 135756537344774798

Out: 0.077 +/- 0.000 χ^2/NDF : 128045090796097474

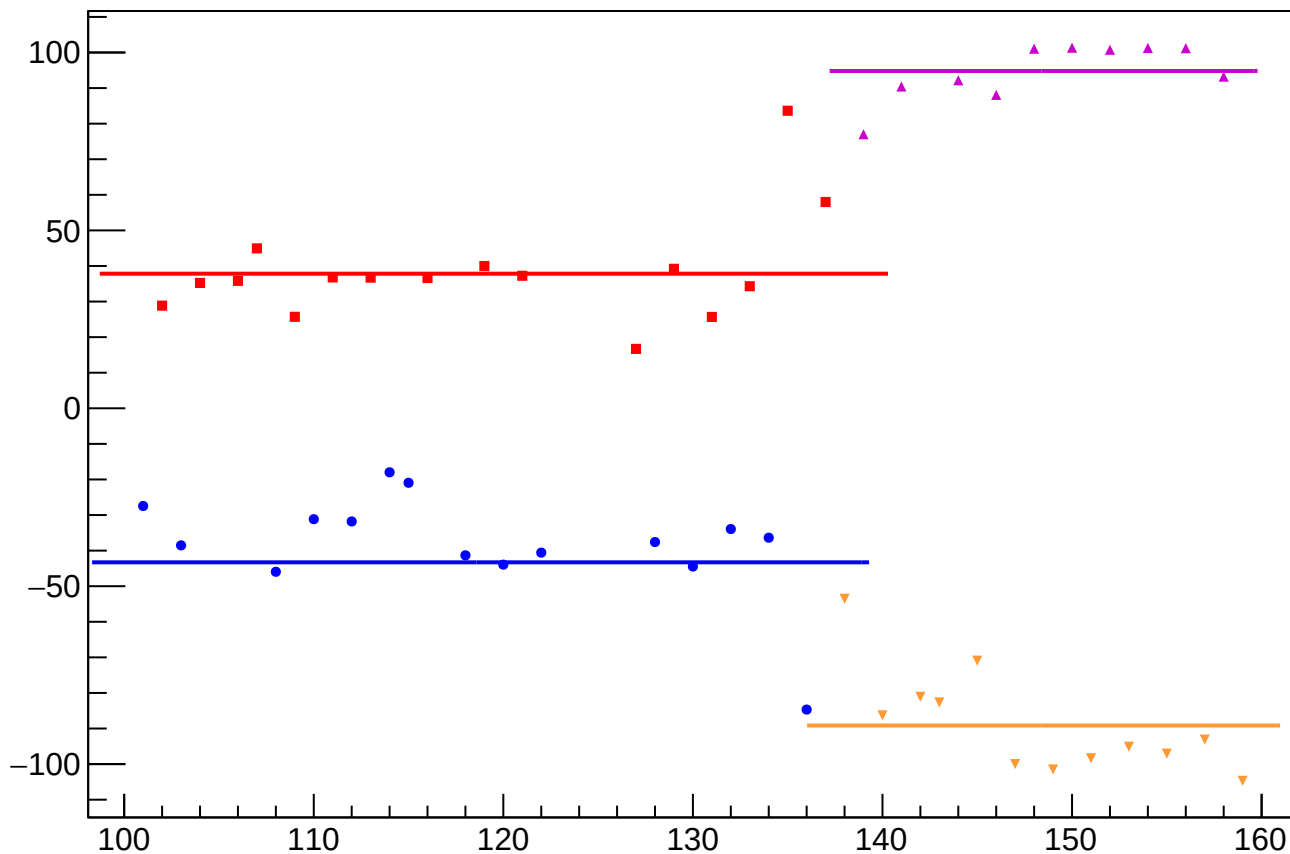
All: -0.005 +/- 0.000 χ^2/NDF : 2640191027330

dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000	χ^2/NDF : 32737841591587454251521906421545304064.0/14	Left: -4.851+/-0.000	χ^2/NDF : 27253152336394083
Left Out: 1175.478+/-0.000	χ^2/NDF : 39966991584790626200337106489810354176.0/11	Right: 33.659+/-0.000	χ^2/NDF : 1569083056347410
Right Out: -1007.906+/-0.000	χ^2/NDF : 69077878009873965622695939627477368832.0/15	In: -246.775+/-0.000	χ^2/NDF : 2150949503105541
Left In: -1278.216+/-0.000	χ^2/NDF : 29565438458869811796359539499848433664.0/9	Out: 256.086+/-0.000	χ^2/NDF : 1949816522076708
	All: 11.587+/-0.000		χ^2/NDF : 4295516832813

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: 94.807+/-0.000

χ^2/NDF : 199342736778845281087197523996573696.0/14

χ^2/NDF : 189364483855471766611288200184856576.0/11

χ^2/NDF : 148683933977204936634636843897323520.0/15

χ^2/NDF : 49076325712570529937799314881380352.0/9

Left: -0.657+/-0.000 χ^2/NDF : 15165295155491891

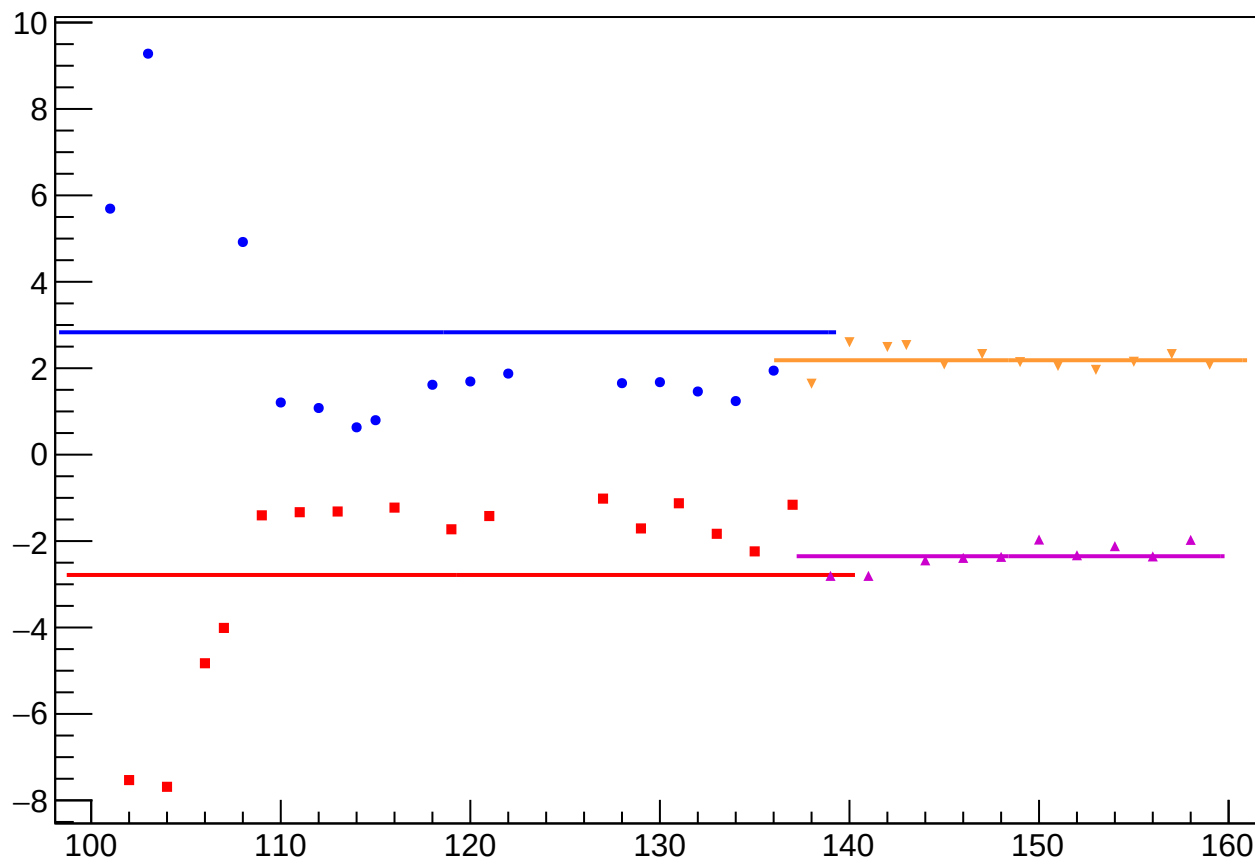
Right: -2.174+/-0.000 χ^2/NDF : 2512687101518028

In: 35.018+/-0.000 χ^2/NDF : 726668122696179314

Out: -35.677+/-0.000 χ^2/NDF : 6563927039215261

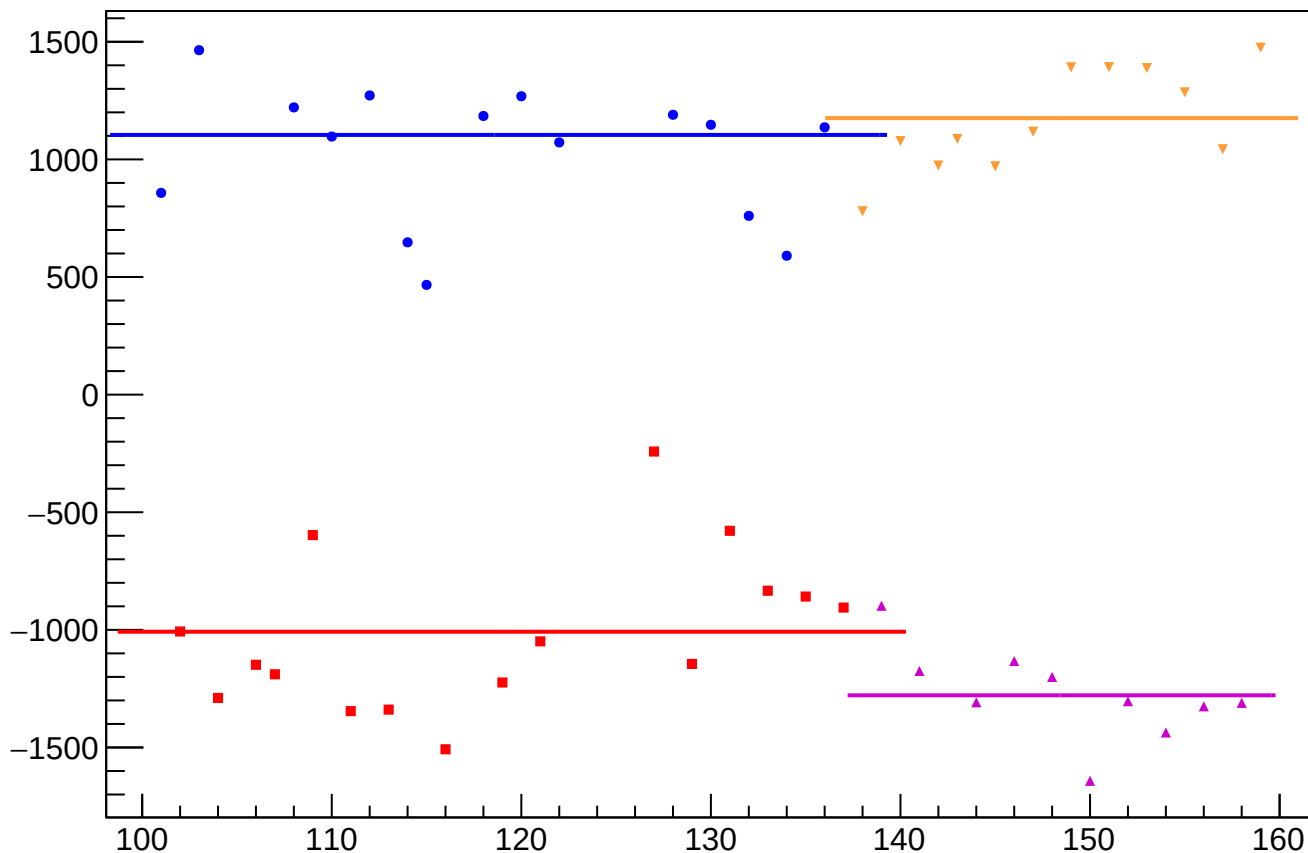
All: -1.304+/-0.000 χ^2/NDF : 1767971768957

dit_4eX_coil3_err_mean vs Slug, Sign Corrected



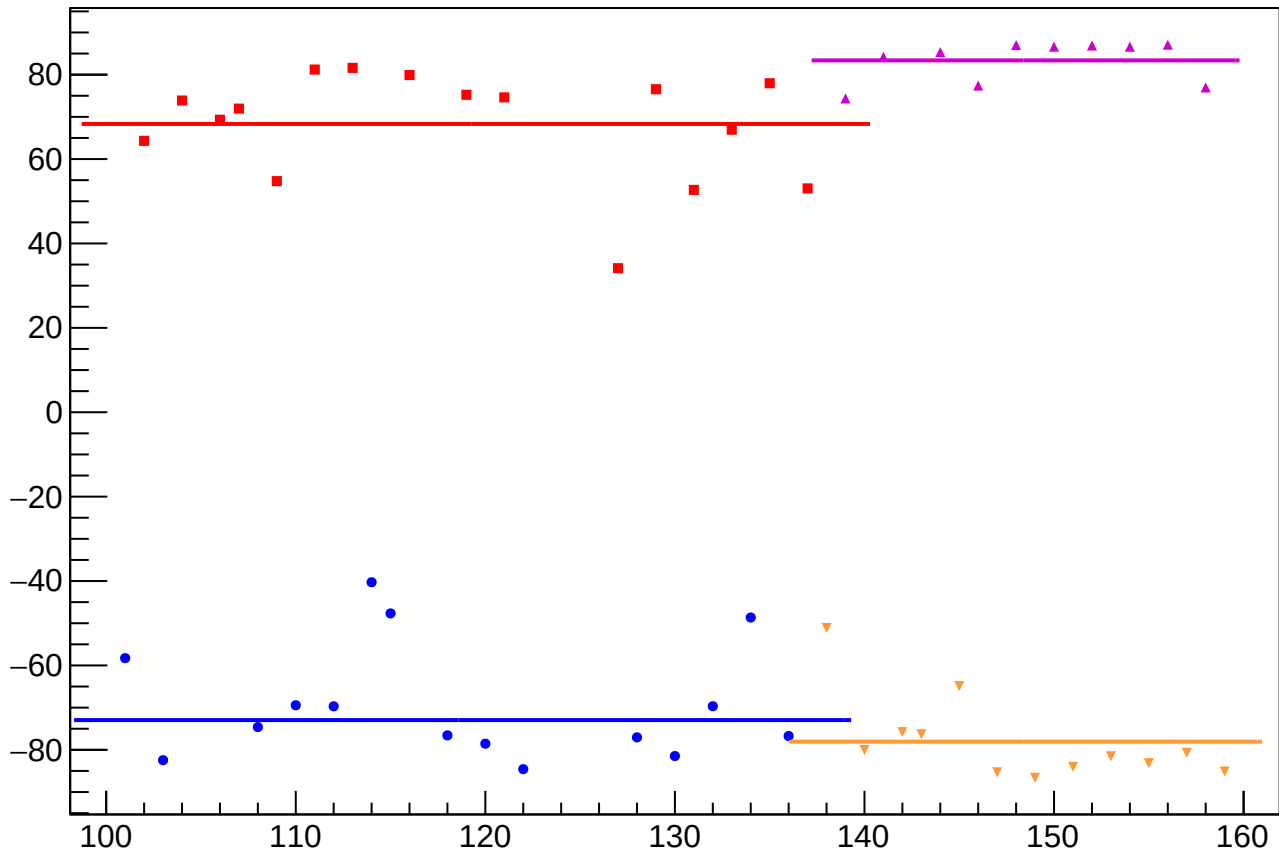
Right In: 2.832 ± 0.000 χ^2/NDF : 3957672531929017328512564323155968.0/14
 Left Out: 2.185 ± 0.000 χ^2/NDF : 60382547029004782914122064855040.0/11
 Right Out: -2.784 ± 0.000 χ^2/NDF : 3589544956108116898091236897849344.0/15
 Left In: -2.351 ± 0.000 χ^2/NDF : 65276010759220423932687241183232.0/9
 All: -0.004 ± 0.000 χ^2/NDF : 2711997649782

dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected



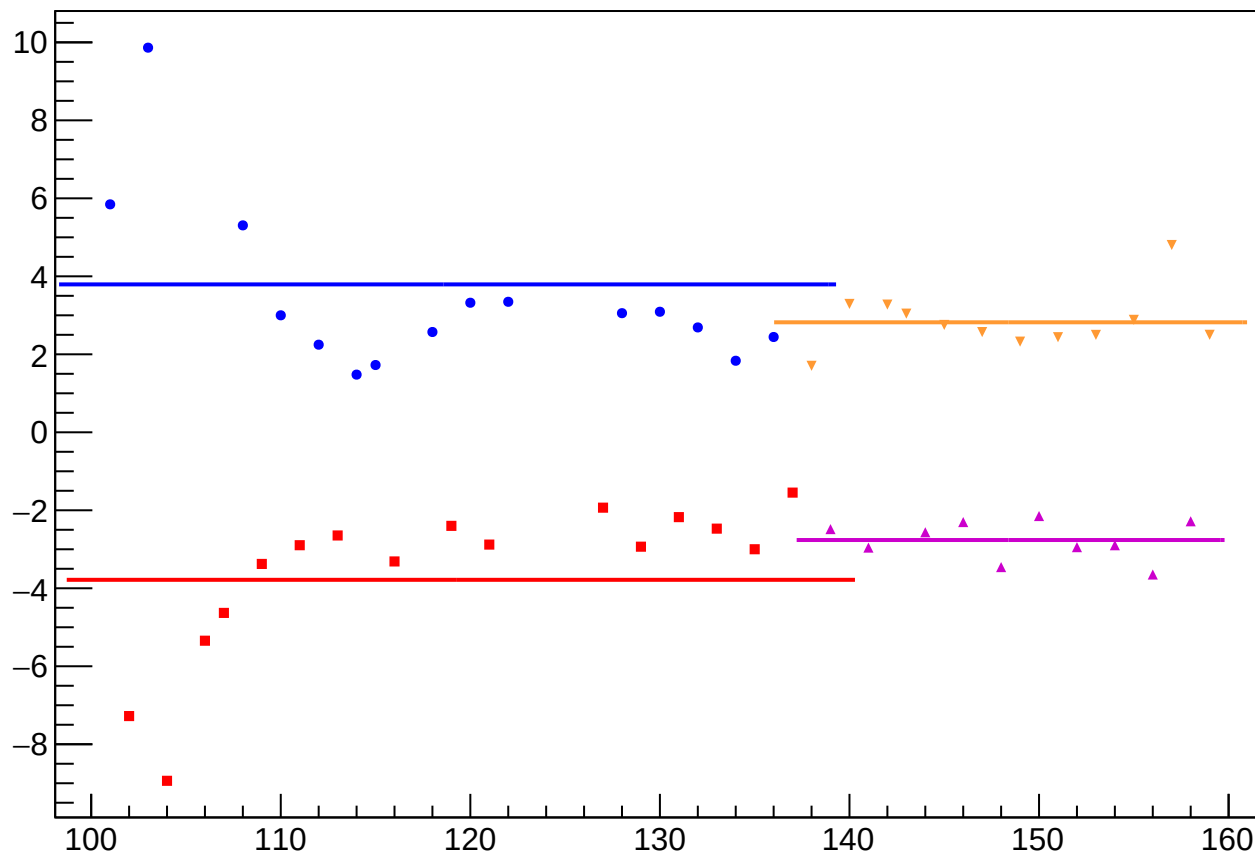
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1278.216 $\pm$ 0.000 χ^2 /NDF: 29565438458869811796359539499848433664.0/9
 All: 11.587 $\pm$ 0.000 χ^2 /NDF: 4295516832813

dit_11X12X_coil3_mean vs Slug, Sign Corrected



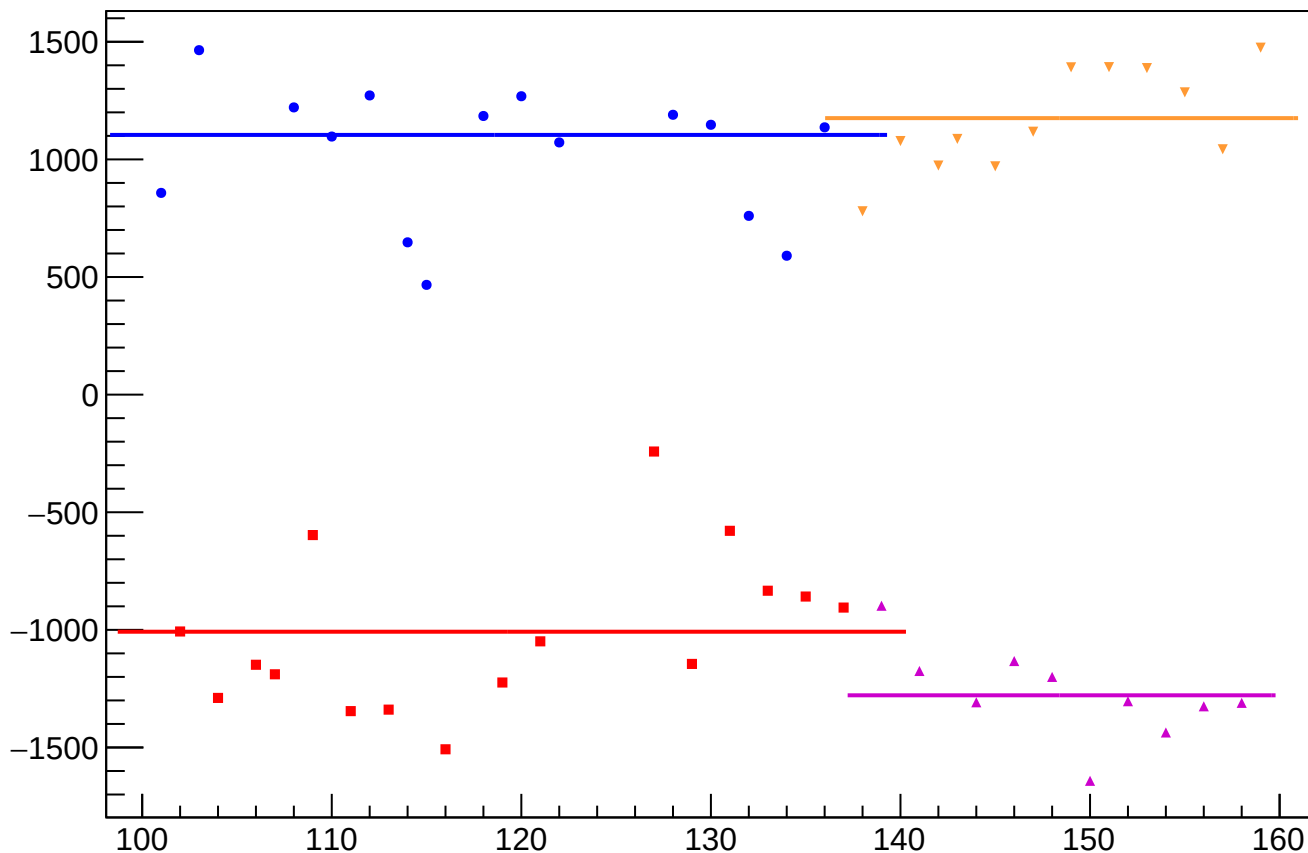
Right In: -72.949 ± 0.000 $\chi^2/\text{NDF}: 65755428464857980306879126291087360.0/14$
 Left Out: -78.060 ± 0.000 $\chi^2/\text{NDF}: 92076989783561024991215559553056768.0/11$
 Right Out: 68.324 ± 0.000 $\chi^2/\text{NDF}: 106694344898202364483367131372584960.0/15$
 Left In: 83.381 ± 0.000 $\chi^2/\text{NDF}: 18480121469189582647056470361767936.0/9$
 All: -0.804 ± 0.000 $\chi^2/\text{NDF}: 1834561193779$

dit_11X12X_coil3_err_mean vs Slug, Sign Corrected



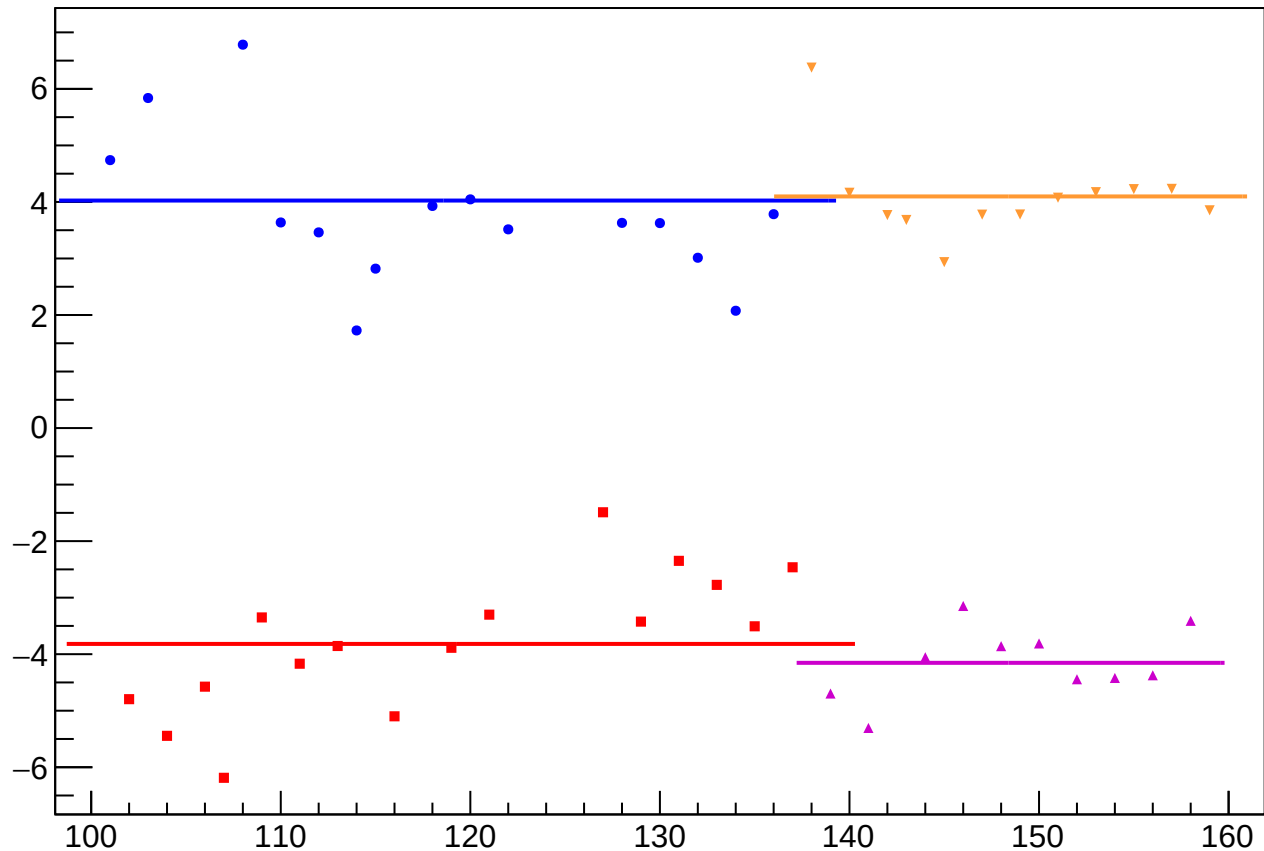
Right In: 3.793 $\pm$ 0.000 χ^2 /NDF: 3205389242726129619796290810413056.0/14
 Left Out: 2.821 $\pm$ 0.000 χ^2 /NDF: 493082555580785627275797679046656.0/11
 Right Out: -3.783 $\pm$ 0.000 χ^2 /NDF: 2878586622192676654452338755371008.0/15
 Left In: -2.762 $\pm$ 0.000 χ^2 /NDF: 191366278351260457621513253683200.0/9
 All: 0.057 $\pm$ 0.000 χ^2 /NDF: 39423694939297

dit_11X12X_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: -1278.216 $\pm$ 0.000 χ^2 /NDF: 29565438458869811796359539499848433664.0/9
 All: 11.587 $\pm$ 0.000 χ^2 /NDF: 4295516832813

dit_4aY_coil3_mean vs Slug, Sign Corrected



Right In: 4.025+/-0.000

χ^2/NDF : 769001650442321928129473832550400.0/14

Left Out: 4.098+/-0.000

χ^2/NDF : 556317927026663328650590815256576.0/11

Right Out: -3.819+/-0.000

χ^2/NDF : 888232240226434329114859171479552.0/15

Left In: -4.153+/-0.000

χ^2/NDF : 301860328850529874369334797664256.0/9

Left: 0.129+/-0.000 χ^2/NDF : 308862079632407562

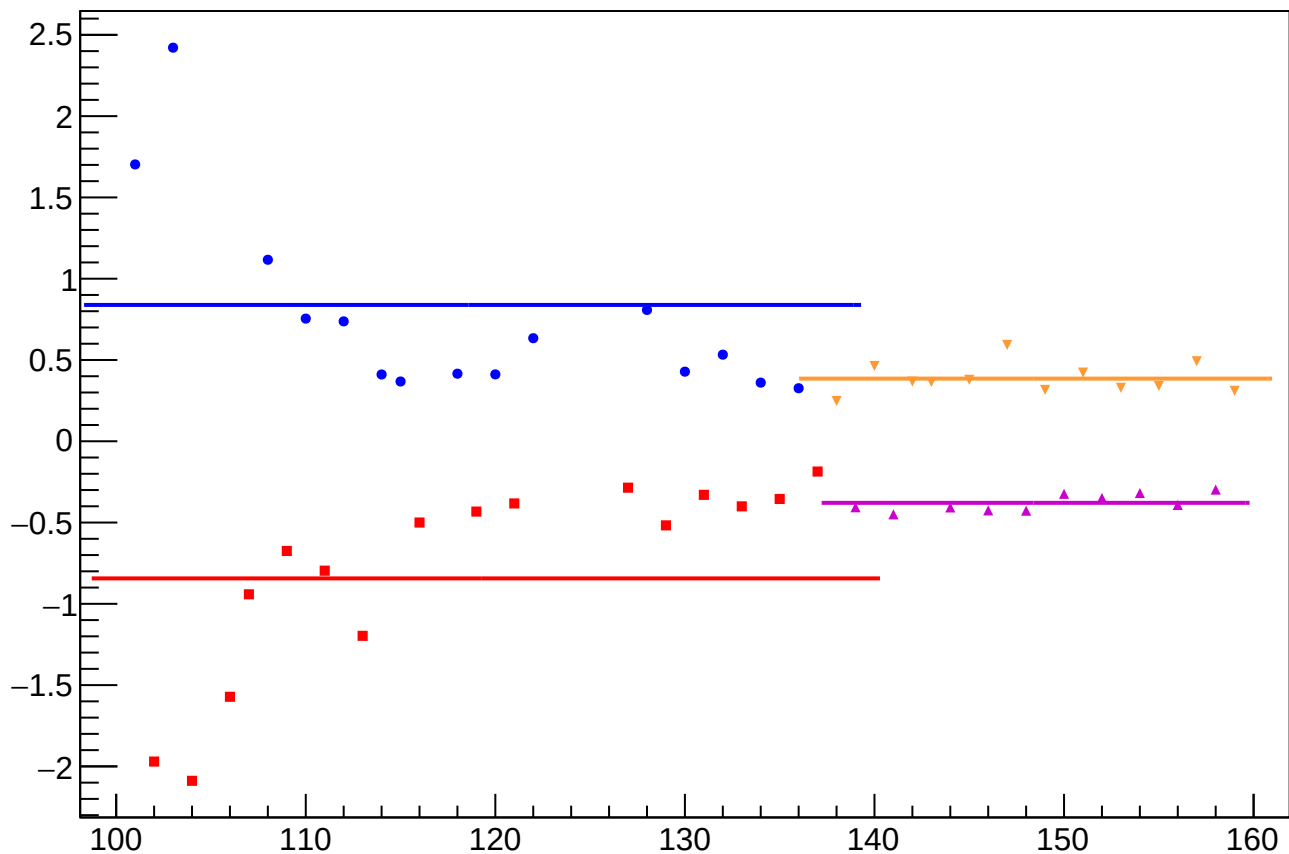
Right: 0.050+/-0.000 χ^2/NDF : 21892754887879739

In: -0.612+/-0.000 χ^2/NDF : 256830526164724046

Out: 0.764+/-0.000 χ^2/NDF : 256410767255121340

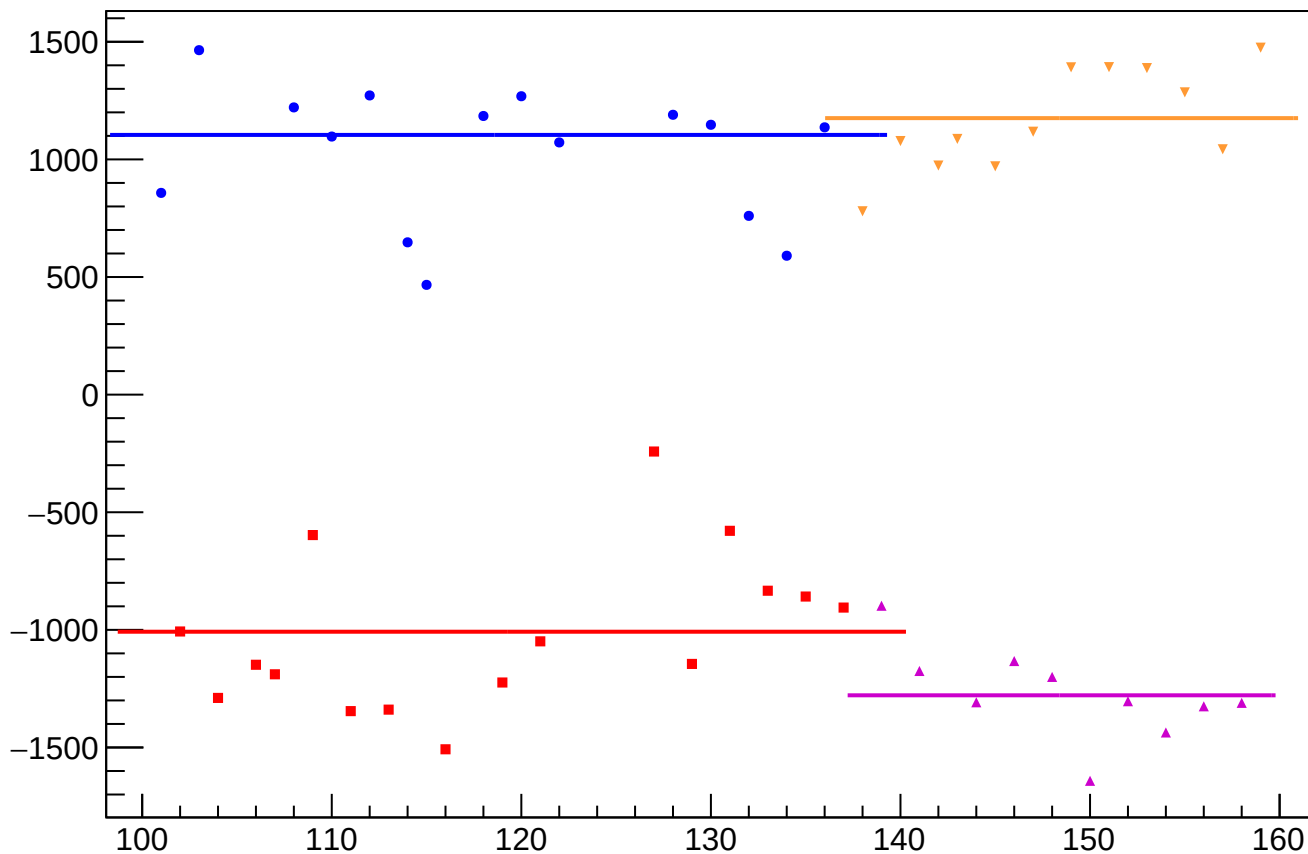
All: 0.095+/-0.000 χ^2/NDF : 52783681562592

dit_4aY_coil3_err_mean vs Slug, Sign Corrected



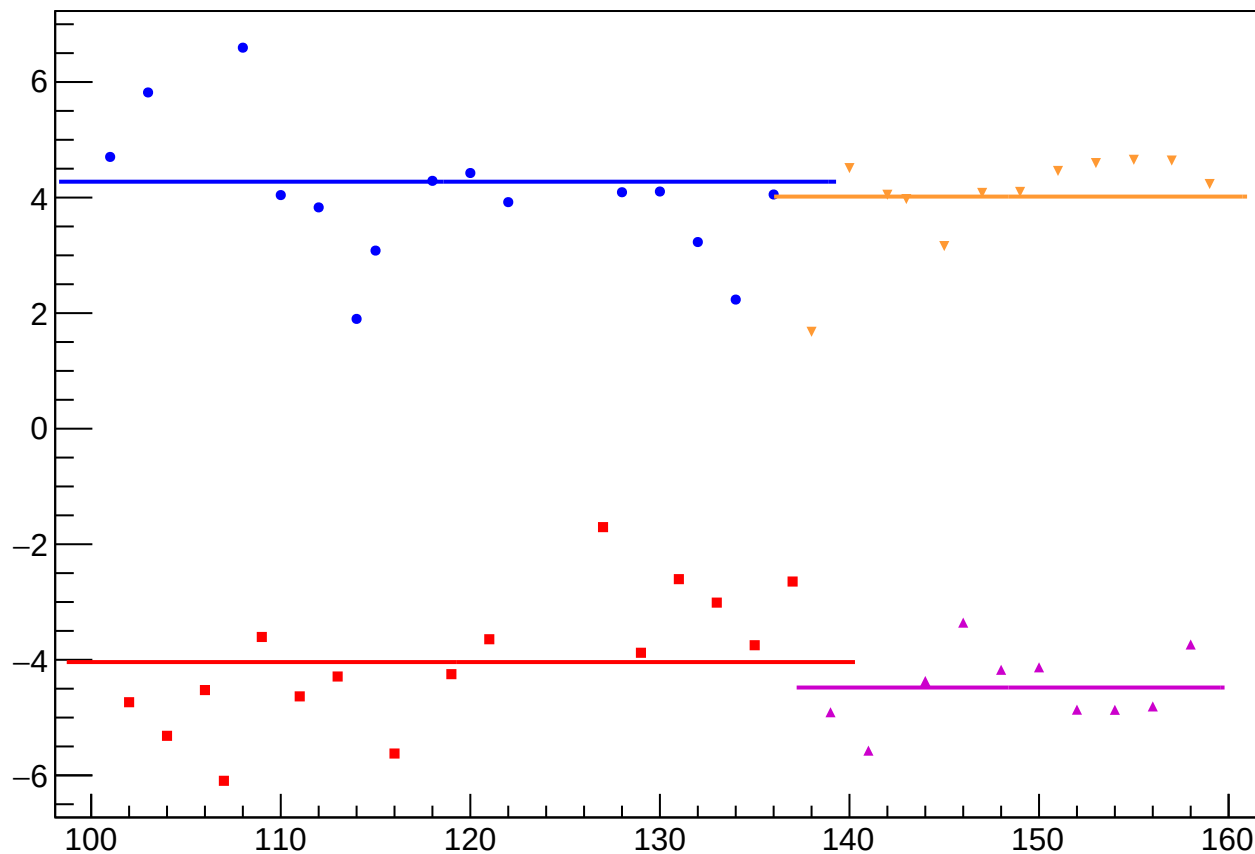
Right In: 0.839 $\pm$ 0.000 χ^2 /NDF: 258416025334615661521163083841536.0/14
 Left Out: 0.385 $\pm$ 0.000 χ^2 /NDF: 7658632015844553503510259302400.0/11
 Right Out: -0.844 $\pm$ 0.000 χ^2 /NDF: 252917509393432760240648918925312.0/15
 Left In: -0.379 $\pm$ 0.000 χ^2 /NDF: 2167220807871707056596599177216.0/9
 All: 0.004 $\pm$ 0.000 χ^2 /NDF: 17103988927080

dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected



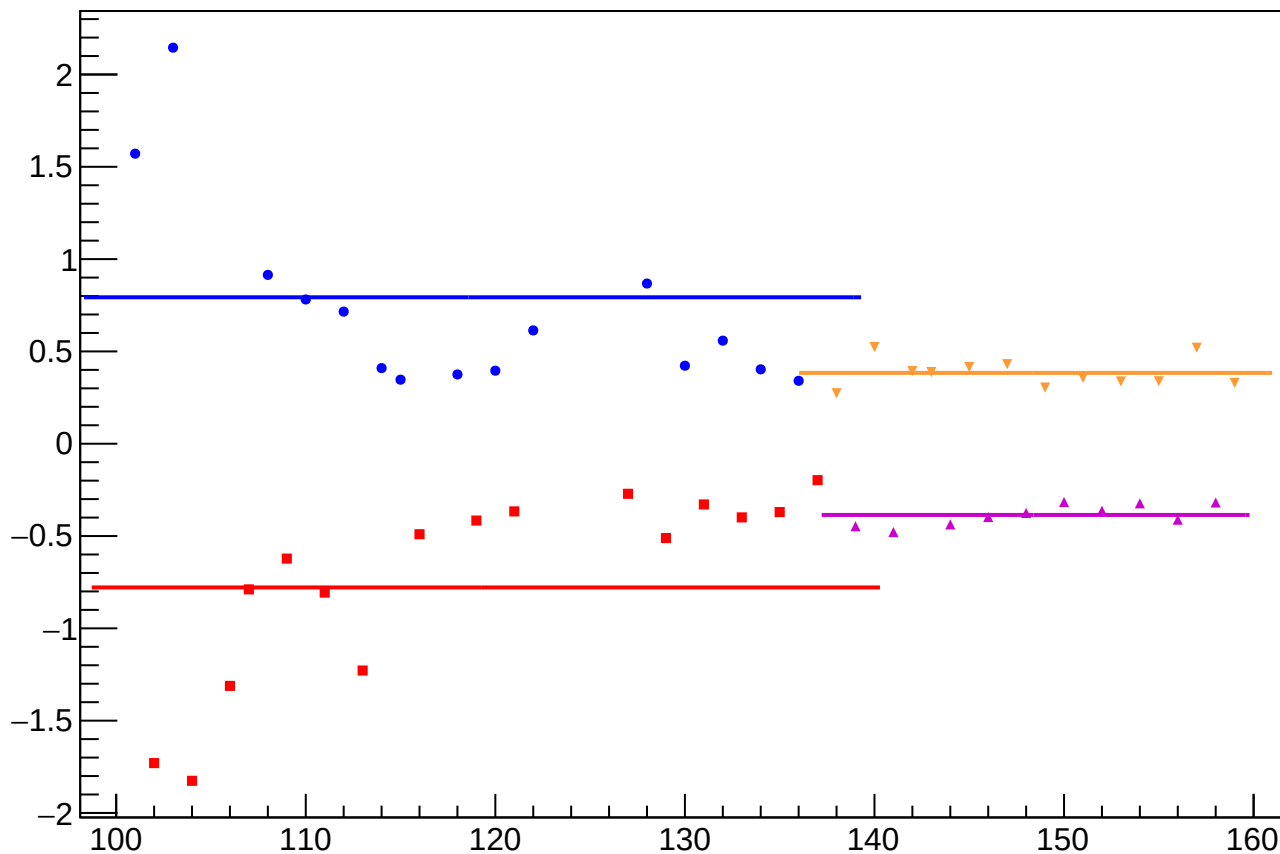
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1278.216 $\pm$ 0.000 χ^2 /NDF: 29565438458869811796359539499848433664.0/9
 All: 11.587 $\pm$ 0.000 χ^2 /NDF: 4295516832813

dit_4eY_coil3_mean vs Slug, Sign Corrected



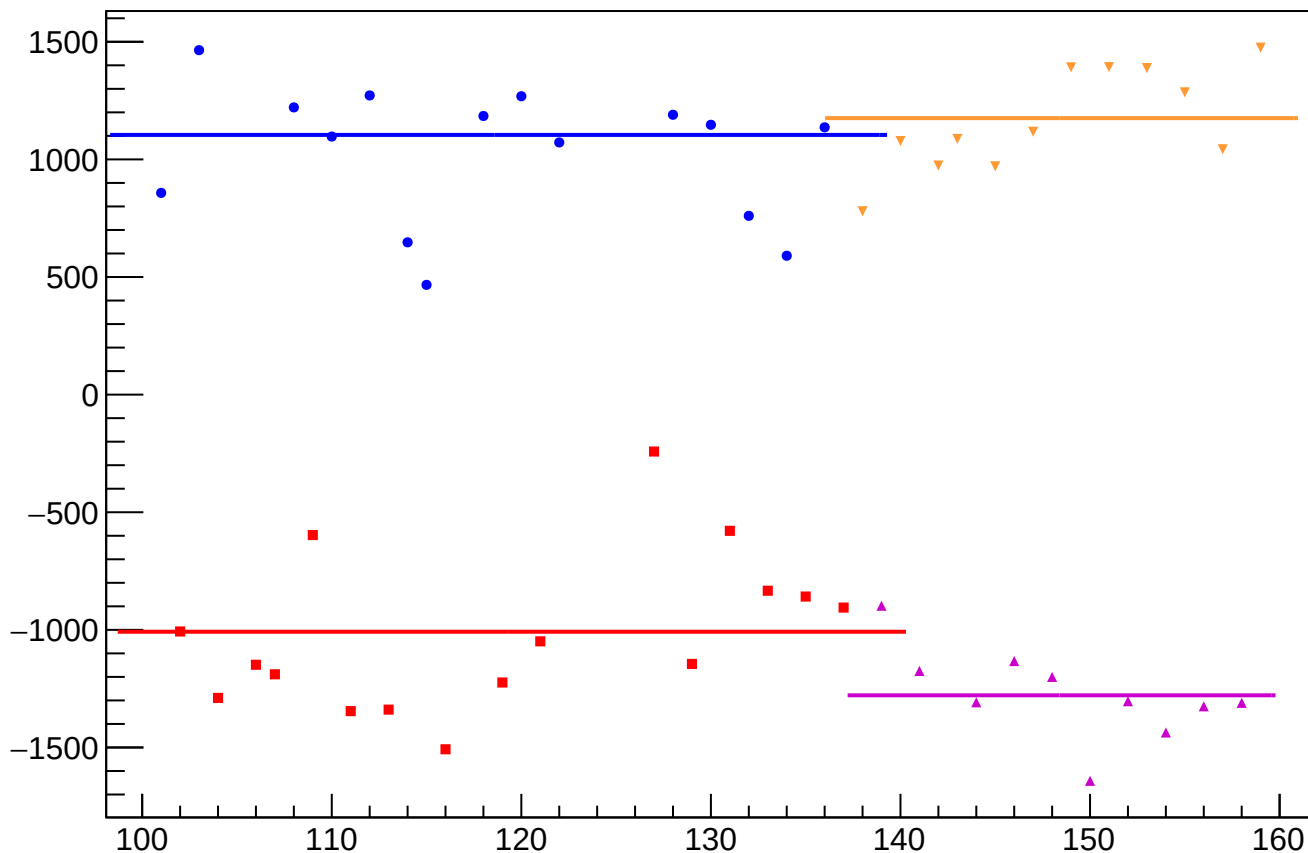
Right In: 4.275 ± 0.000 $\chi^2/\text{NDF}: 597188707898198851792415435522048.0/14$
 Left Out: 4.017 ± 0.000 $\chi^2/\text{NDF}: 618248057516763535647221148024832.0/11$
 Right Out: -4.039 ± 0.000 $\chi^2/\text{NDF}: 772368848194464324973108765130752.0/15$
 Left In: -4.480 ± 0.000 $\chi^2/\text{NDF}: 320599318064017774735793198202880.0/9$
 All: -0.014 ± 0.000 $\chi^2/\text{NDF}: 5690935473476$

dit_4eY_coil3_err_mean vs Slug, Sign Corrected



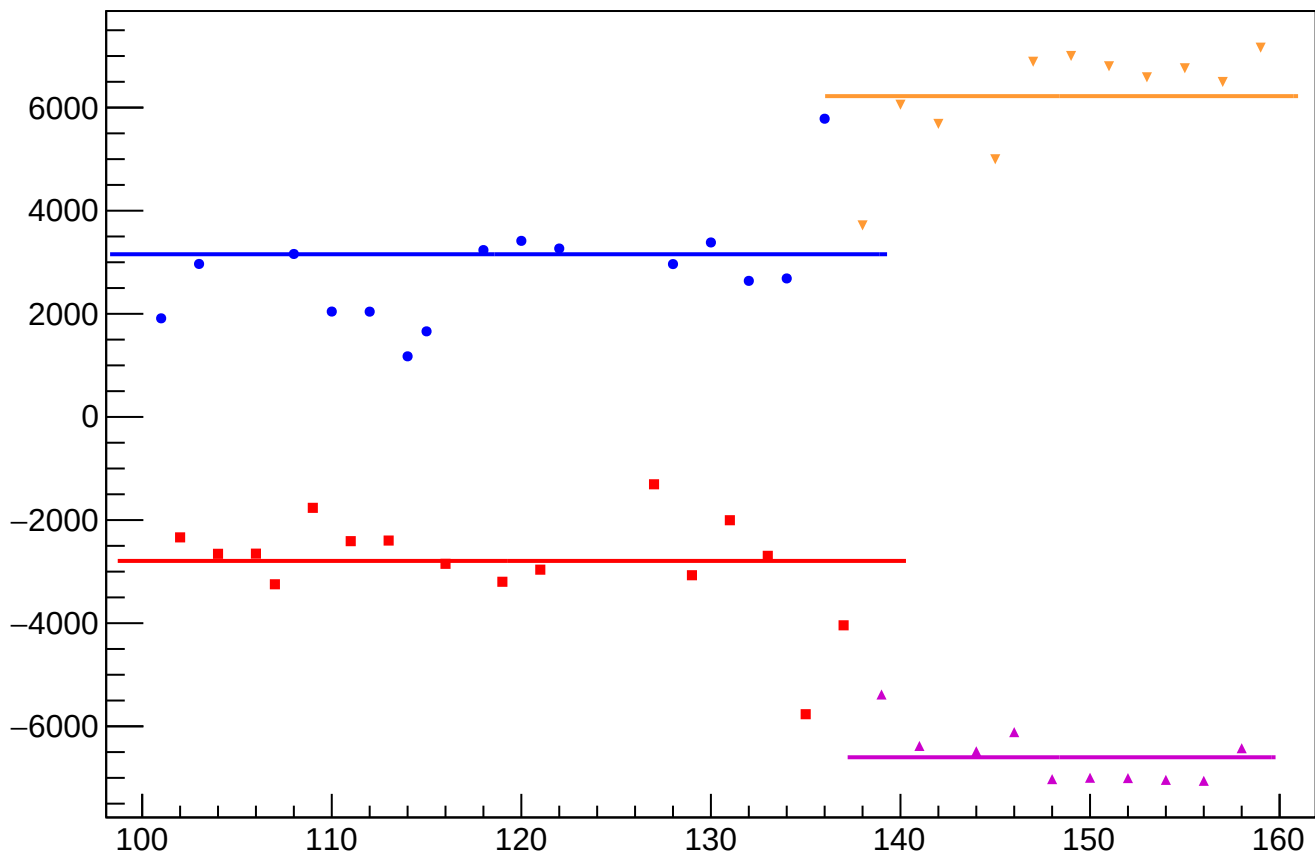
Left: 0.014 +/- 0.000 χ^2/NDF : 269211199762019687
 Right: -0.003 +/- 0.000 χ^2/NDF : 1193841006449656
 In: 0.125 +/- 0.000 χ^2/NDF : 7096170282055138802
 Out: -0.106 +/- 0.000 χ^2/NDF : 71279654868579041
 All: 0.006 +/- 0.000 χ^2/NDF : 14632681409748

dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected



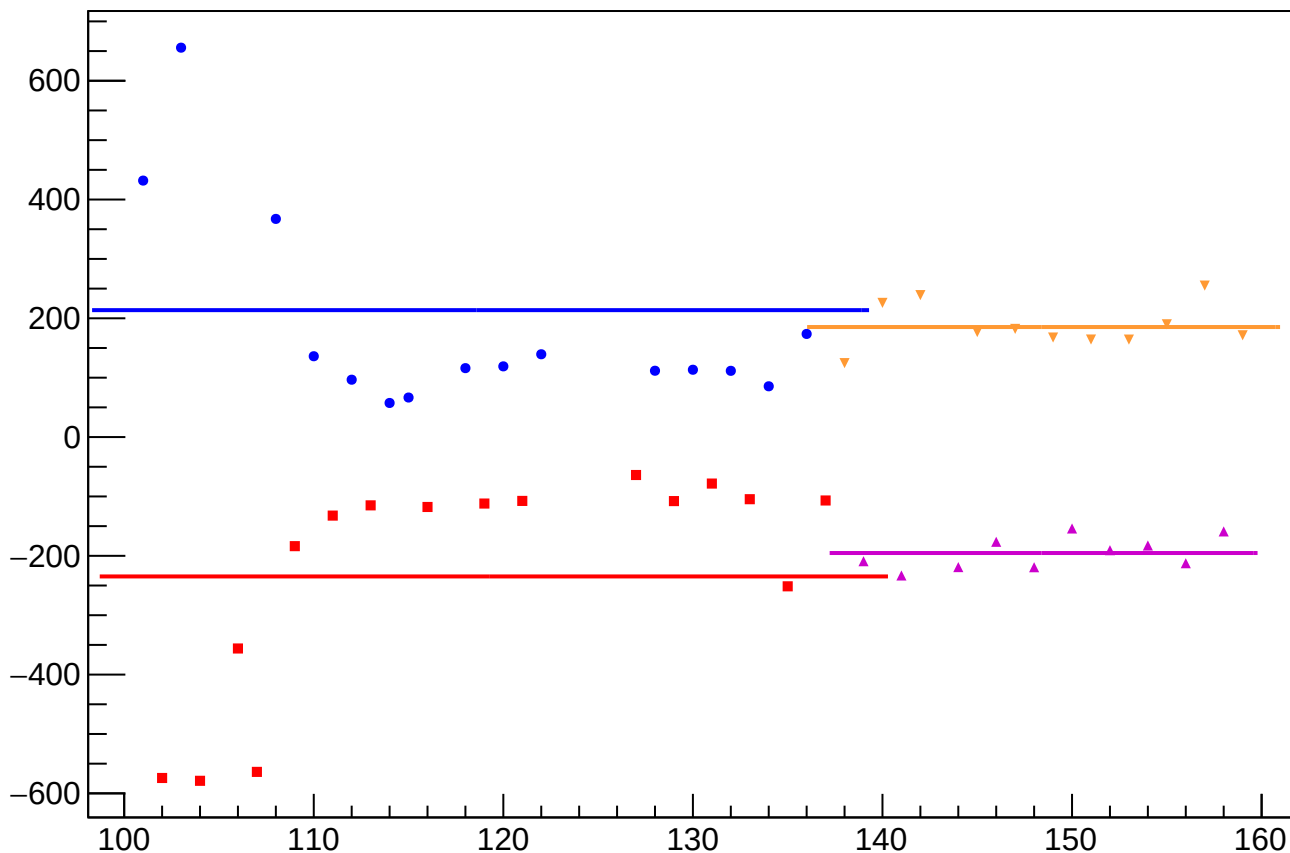
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1278.216 $\pm$ 0.000 χ^2 /NDF: 29565438458869811796359539499848433664.0/9
 All: 11.587 $\pm$ 0.000 χ^2 /NDF: 4295516832813

dit_usl_coil3_mean vs Slug, Sign Corrected



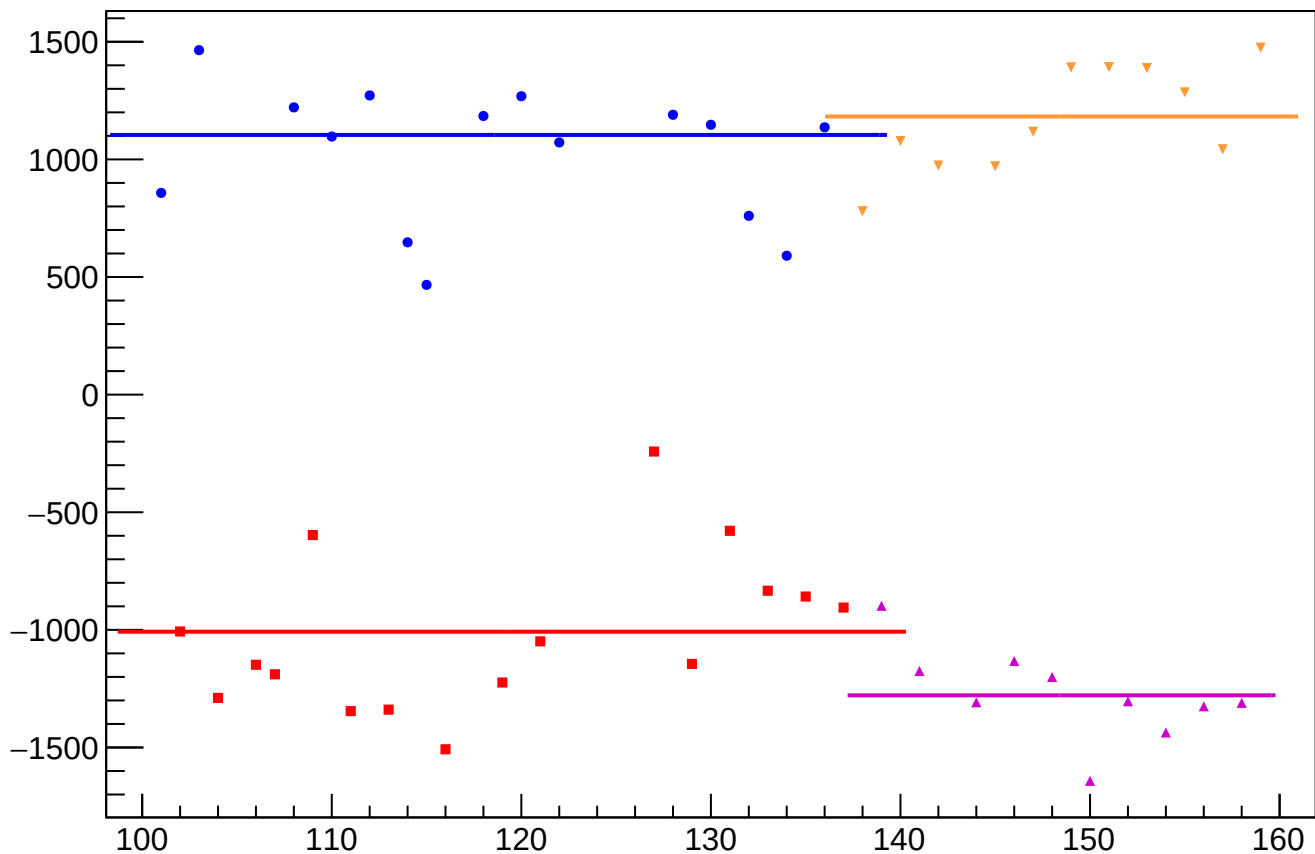
Right In: 3155.434+/-0.000 χ^2/NDF : 903550534773622902110918214033612996608.0/14
 Left Out: 6221.938+/-0.000 χ^2/NDF : 849977473152285312907595623686819807232.0/10
 Right Out: -2792.245+/-0.000 χ^2/NDF : 674635749324173001973264427530986717184.0/15
 Left In: -6600.442+/-0.000 χ^2/NDF : 224942079286950391749749767097185992704.0/9
 All: -45.185+/-0.000 χ^2/NDF : 842458335785

dit_usl_coil3_err_mean vs Slug, Sign Corrected



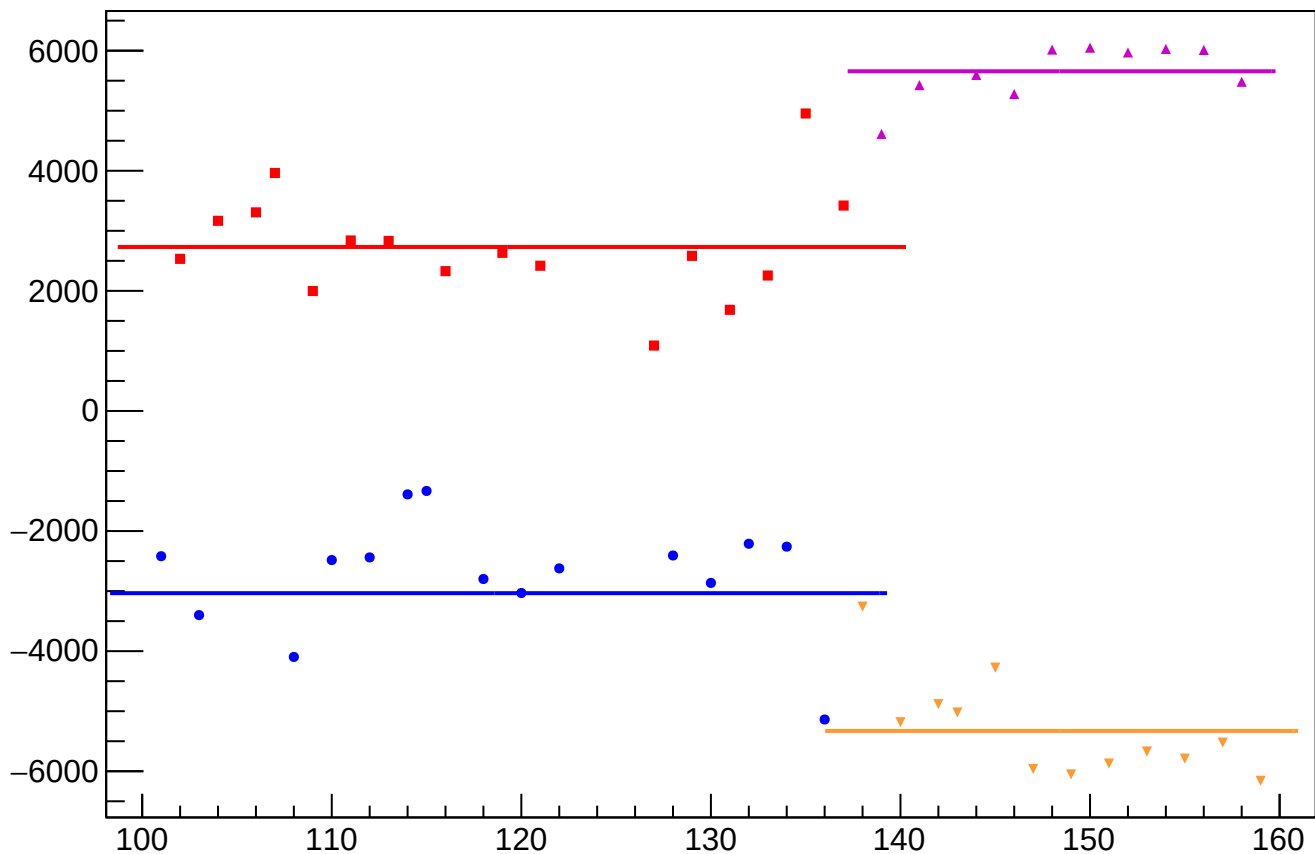
Left: -4.988+/-0.000 χ^2/NDF : 63181394832167582
 Right In: 213.739+/-0.000 χ^2/NDF : 19718138109054002114361149860507287552.0/14
 Right: -13.554+/-0.000 χ^2/NDF : 109883652295878
 Left Out: 185.291+/-0.000 χ^2/NDF : 1063728674006350590661838746148667392.0/10
 In: -18.185+/-0.000 χ^2/NDF : 81848602940036088
 Right Out: -234.712+/-0.000 χ^2/NDF : 24013134107167214895189050481067425792.0/15
 Out: 0.623+/-0.000 χ^2/NDF : 910041654687013277
 Left In: -195.266+/-0.000 χ^2/NDF : 567404487498909276713340898319007744.0/9
 All: -8.725+/-0.000 χ^2/NDF : 1731194761879

dit_usl_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1182.447+/-0.000 χ^2/NDF : 39401916671919600348661592701888626688.0/10
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1278.216+/-0.000 χ^2/NDF : 29565438458869811796359539499848433664.0/9
 All: -12.304+/-0.000 χ^2/NDF : 421630037157

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: 5656.990+/-0.000

χ^2/NDF : 630694553353463868547335175090919702528.0/14

χ^2/NDF : 624360364489310892896763337628232712192.0/11

χ^2/NDF : 528290847703567991555694629239211950080.0/15

χ^2/NDF : 163284899725591886138338068338319556608.0/9

Left: -44.179+/-0.000 χ^2/NDF : 5402469826839740

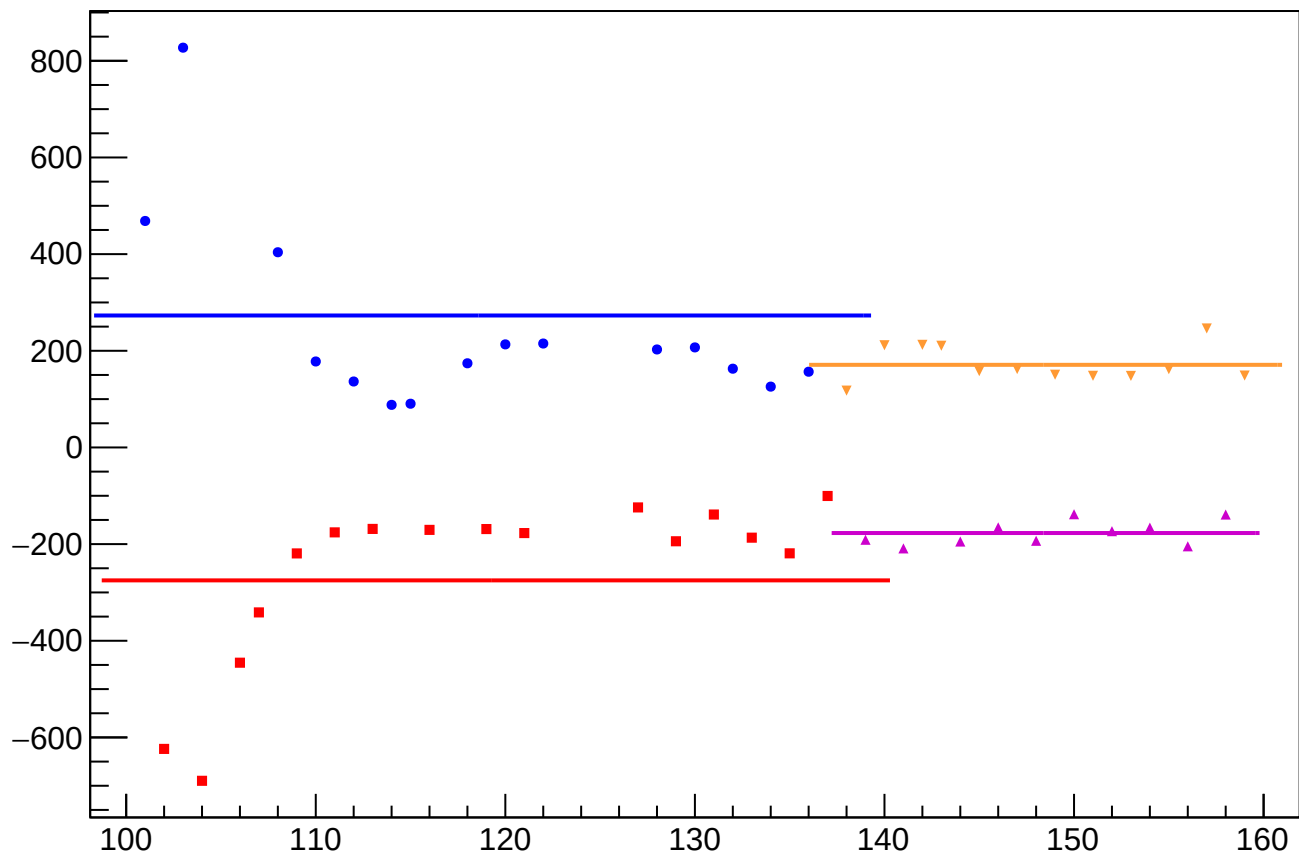
Right: -112.316+/-0.000 χ^2/NDF : 12093460154256

In: 1893.951+/-0.000 χ^2/NDF : 2859451583450412

Out: -1934.916+/-0.000 χ^2/NDF : 26236367057963

All: -73.264+/-0.000 χ^2/NDF : 661216601532

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

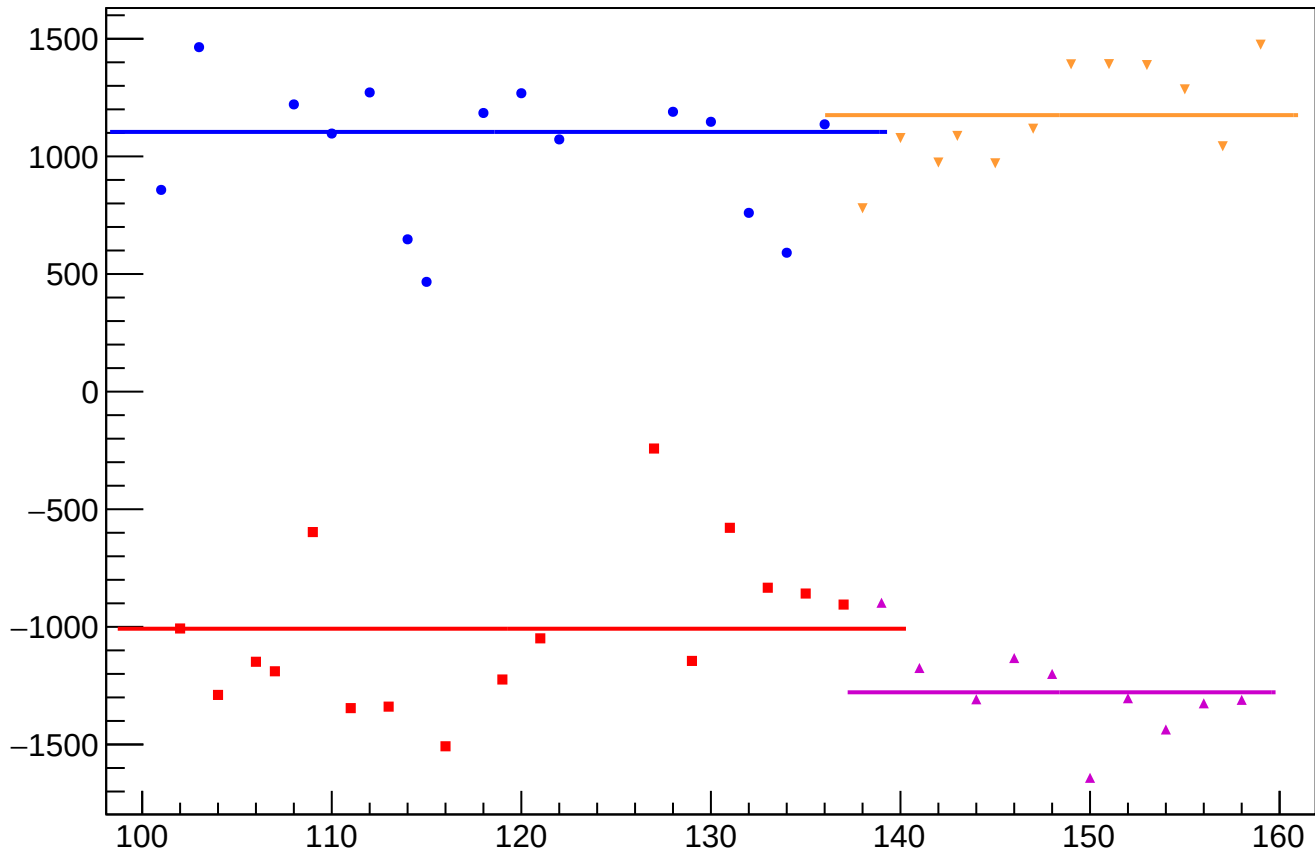
Left In: -177.068+/-0.000

χ^2/NDF : 491247929012937185175866425252773888.0/9

All: 0.002+/-0.000

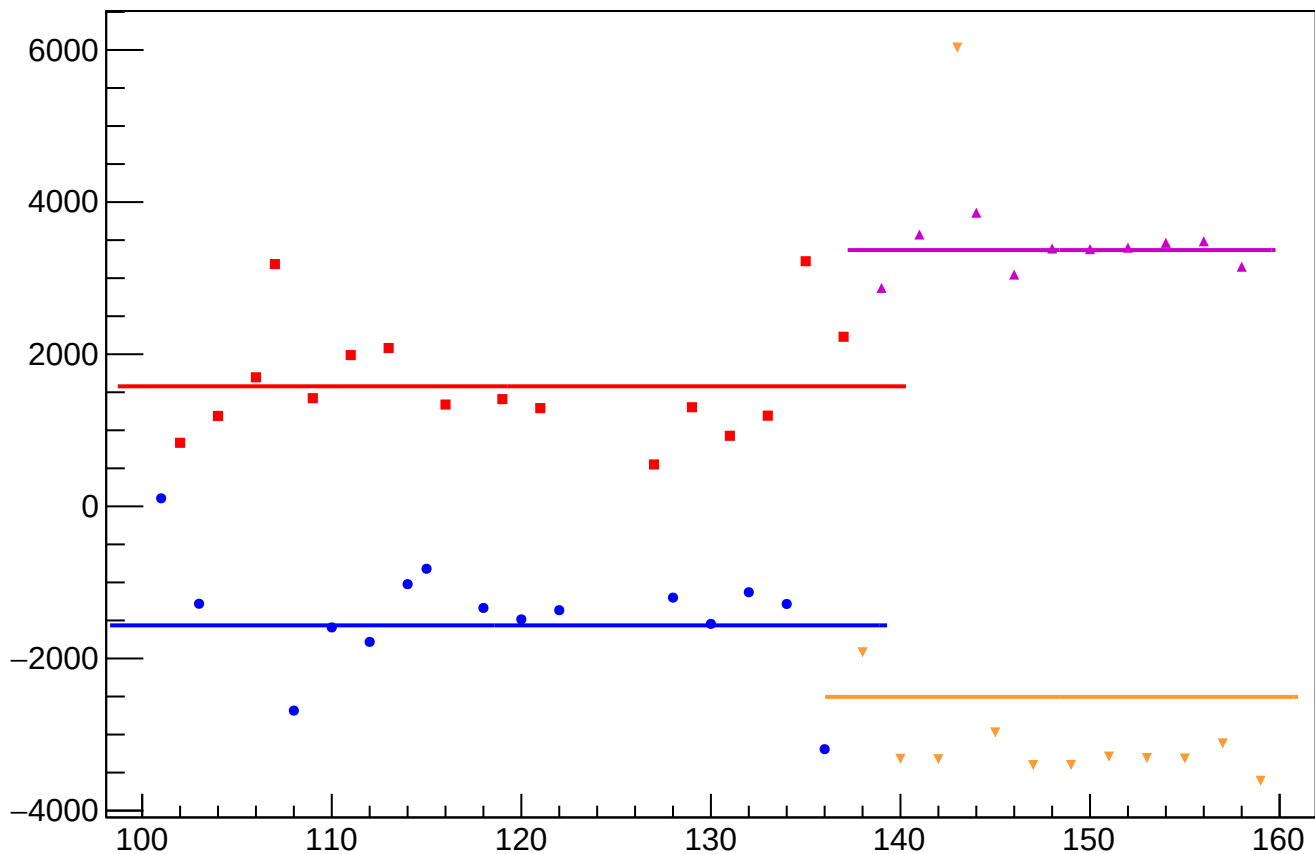
χ^2/NDF : 20270554053377

dit_usr_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: -1278.216 $\pm$ 0.000 χ^2 /NDF: 29565438458869811796359539499848433664.0/9
 All: 11.587 $\pm$ 0.000 χ^2 /NDF: 4295516832813

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: 3369.262+/-0.000

χ^2/NDF : 483874800978571042578975757029039144960.0/14

χ^2/NDF : 5422497697613230212283297952400402284544.0/11

χ^2/NDF : 368450572556217564071963203581098590208.0/15

χ^2/NDF : 59654542135603626889321539244461654016.0/9

Left: 320.783+/-0.000 χ^2/NDF : 207034756819368

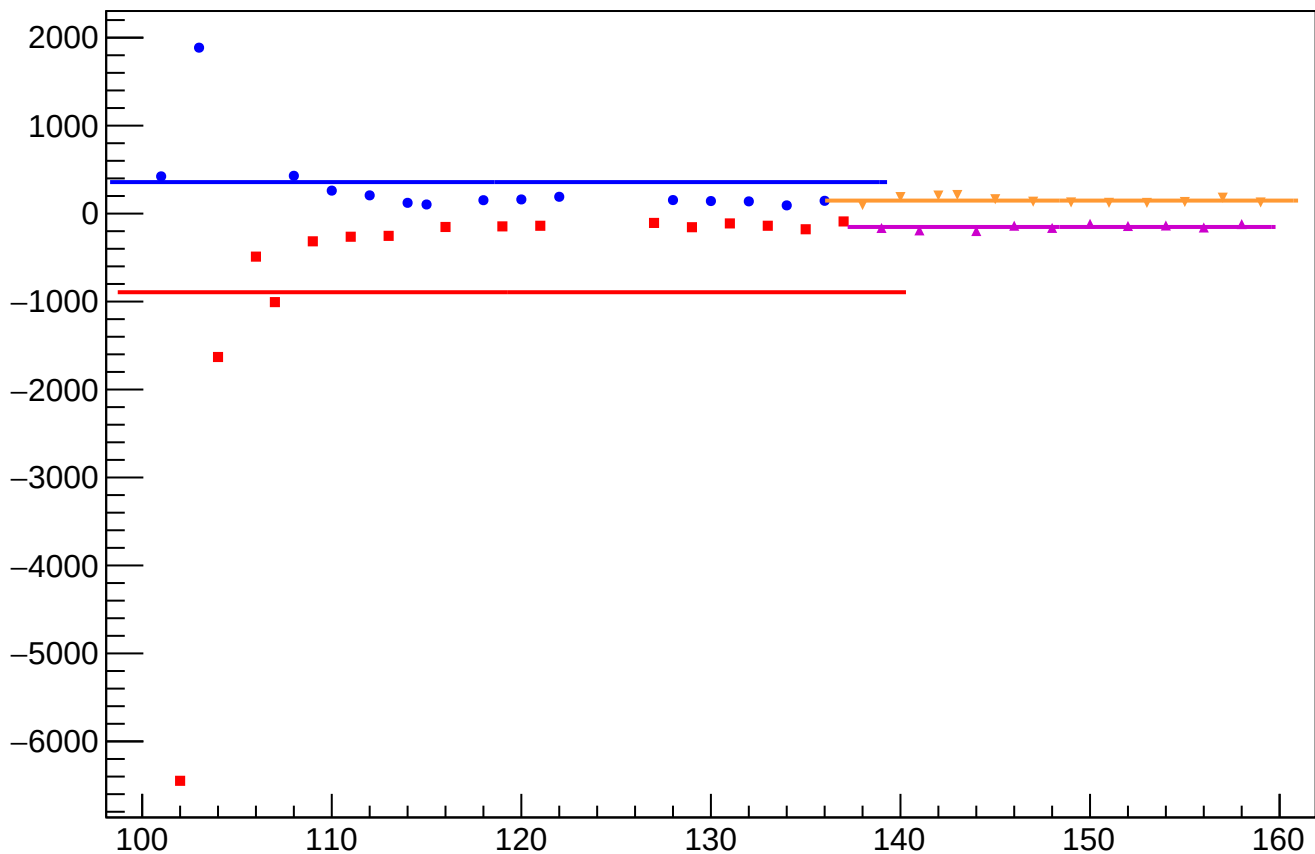
Right: 28.285+/-0.000 χ^2/NDF : 4101258280925694

In: 1233.122+/-0.000 χ^2/NDF : 9502025747917750

Out: -785.608+/-0.000 χ^2/NDF : 122286097015398

All: 195.928+/-0.000 χ^2/NDF : 248692647822

dit_atl1_coil3_err_mean vs Slug, Sign Corrected



Right In: 358.080+/-0.000

χ^2/NDF : 157922789145697858165644452090202816512.0/14

Left Out: 147.874+/-0.000

χ^2/NDF : 1073020519575473807448825753294077952.0/11

Right Out: -893.897+/-0.000

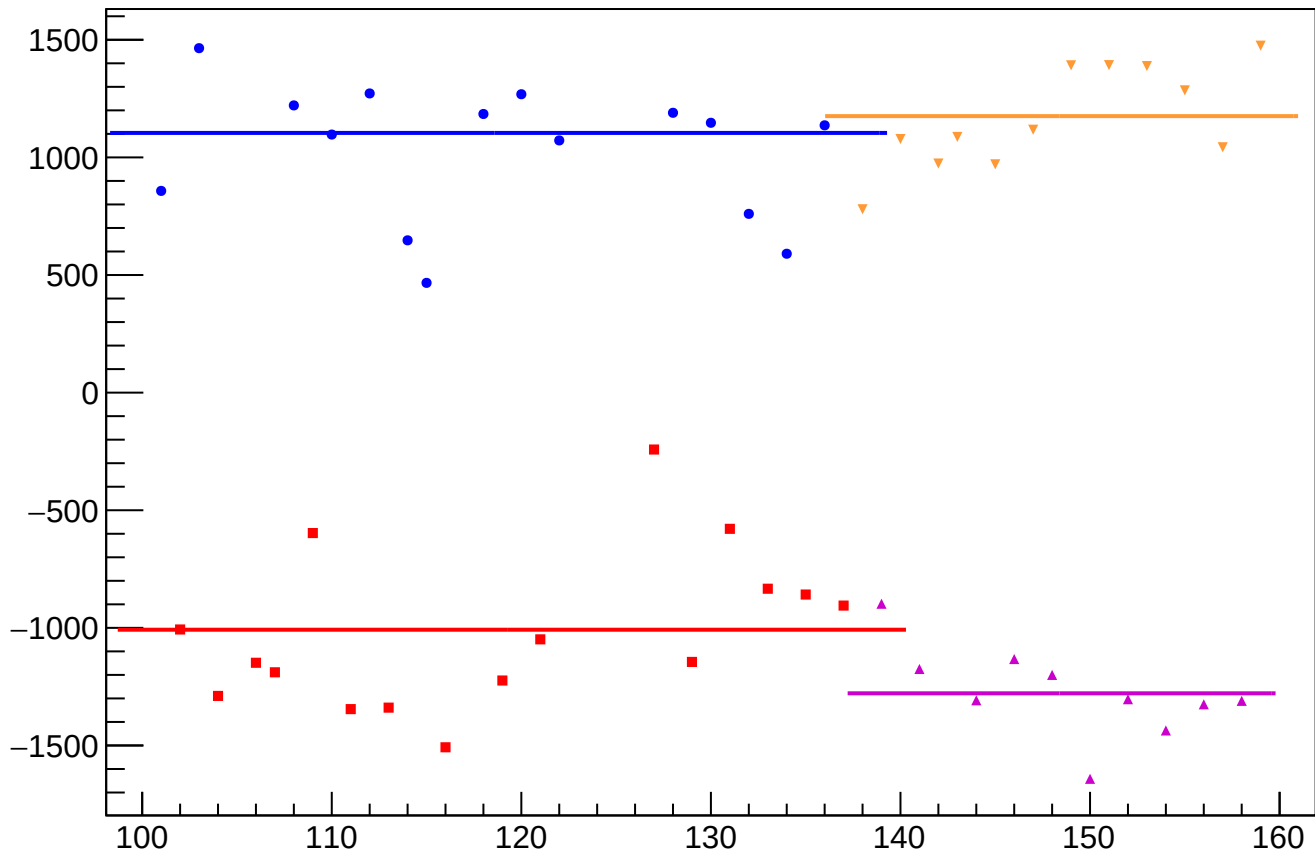
χ^2/NDF : 2075920155774201043572695656797803905024.0/15

Left In: -151.982+/-0.000

χ^2/NDF : 596546587433960302662811533227065344.0/9

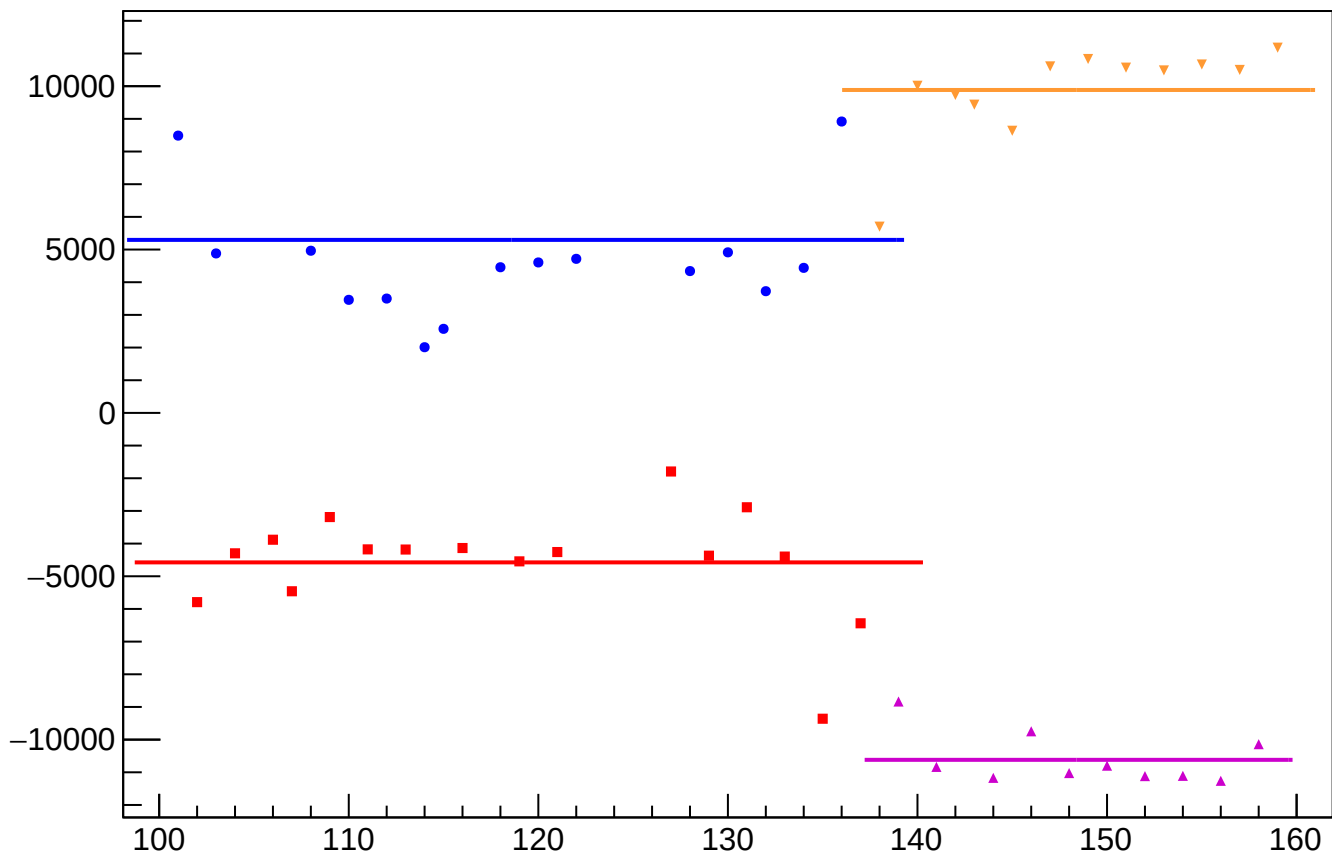
All: -115.932+/-0.000 χ^2/NDF : 28499444473

dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected



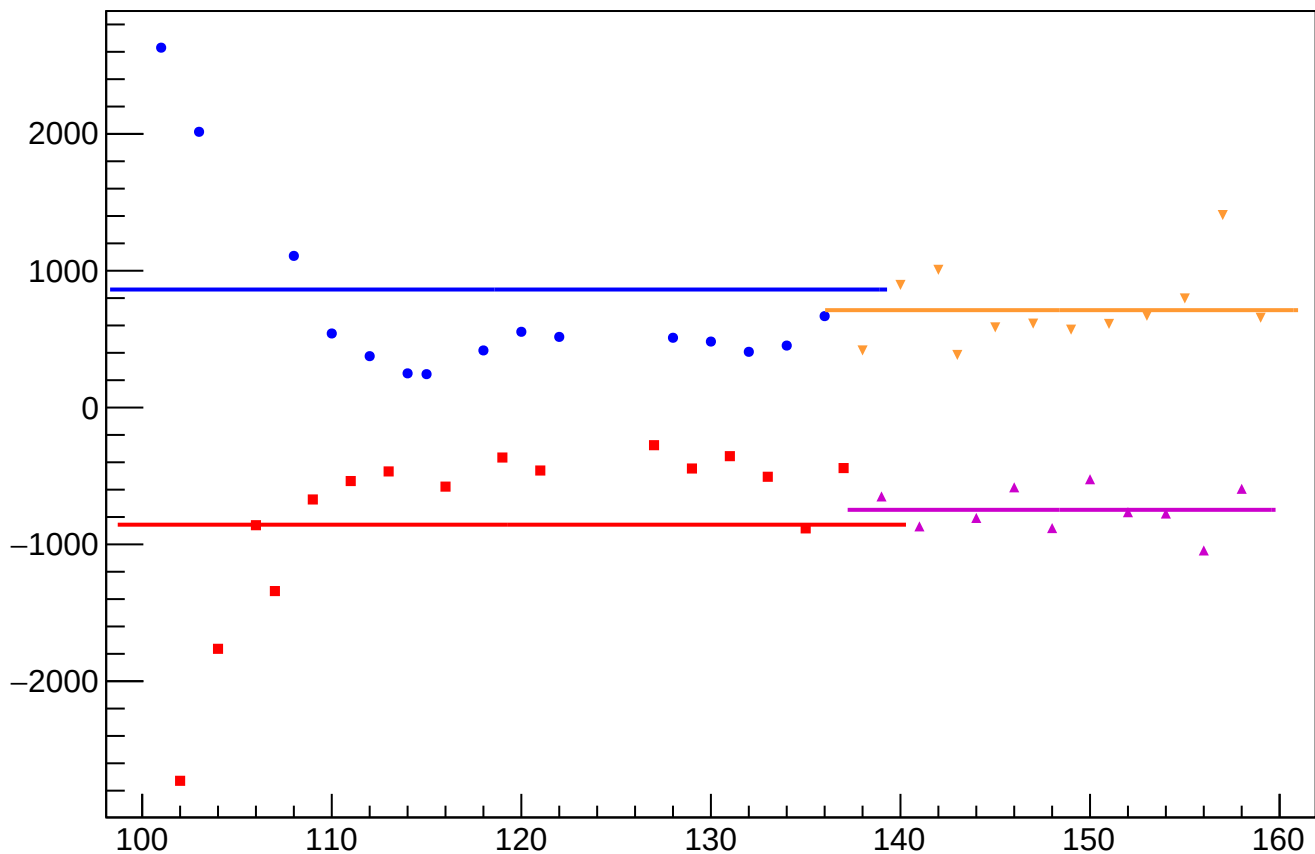
Right In: 1104.111 ± 0.000 $\chi^2/\text{NDF}: 32737841591587454251521906421545304064.0/14$
 Left Out: 1175.478 ± 0.000 $\chi^2/\text{NDF}: 39966991584790626200337106489810354176.0/11$
 Right Out: -1007.906 ± 0.000 $\chi^2/\text{NDF}: 69077878009873965622695939627477368832.0/15$
 Left In: -1278.216 ± 0.000 $\chi^2/\text{NDF}: 29565438458869811796359539499848433664.0/9$
 All: 11.587 ± 0.000 $\chi^2/\text{NDF}: 4295516832813$

dit_atl2_coil3_mean vs Slug, Sign Corrected



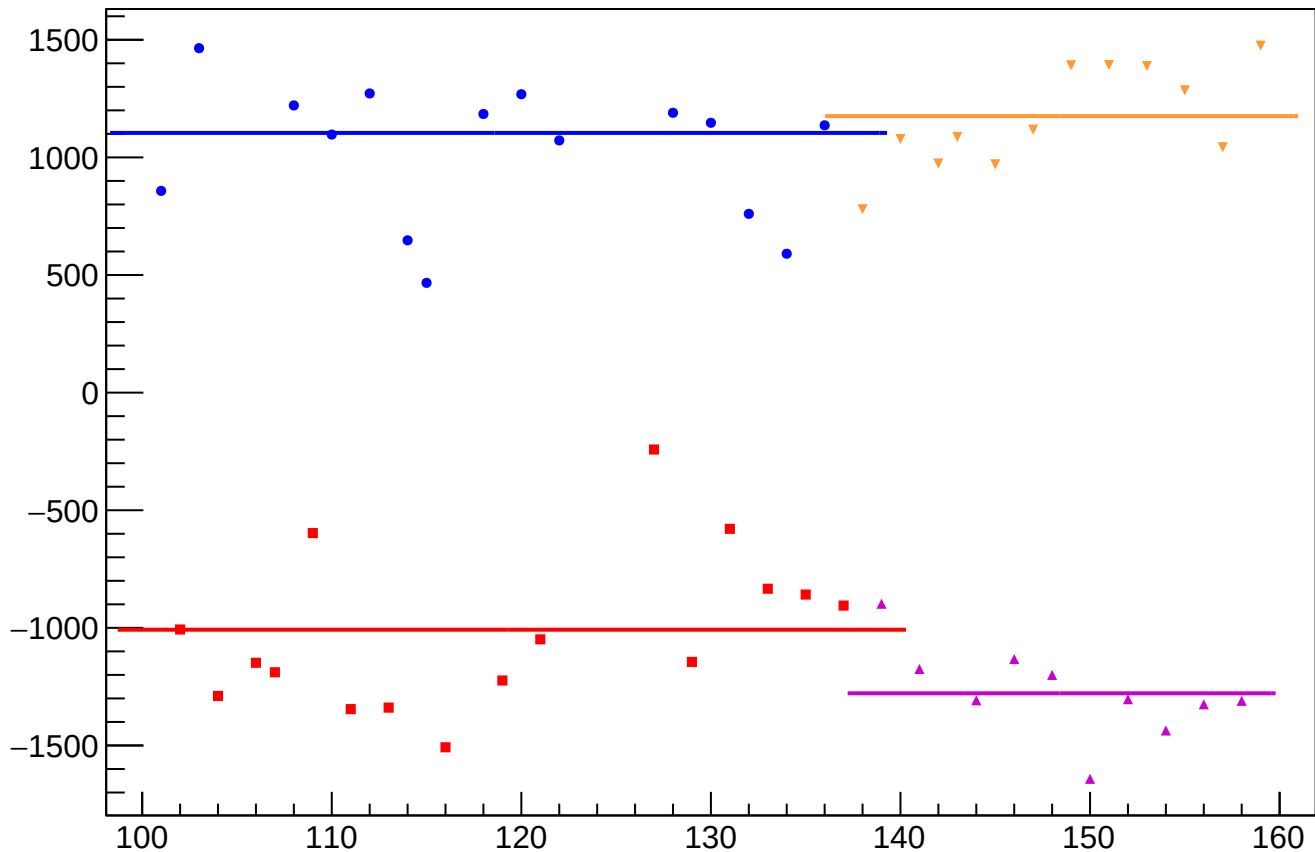
Right In: 5295.485 $\pm$ 0.000 χ^2 /NDF: 2505645232968263275444048016093183213568.0/14
 Left Out: 9883.978 $\pm$ 0.000 χ^2 /NDF: 1902428891005248408553336449765040193536.0/11
 Right Out: -4575.270 $\pm$ 0.000 χ^2 /NDF: 1863322094770403739096100800072716910592.0/15
 Left In: -10618.590 $\pm$ 0.000 χ^2 /NDF: 463587546533557422210478209642530865152.0/9
 All: 137.162 $\pm$ 0.000 χ^2 /NDF: 224264492313

dit_atl2_coil3_err_mean vs Slug, Sign Corrected



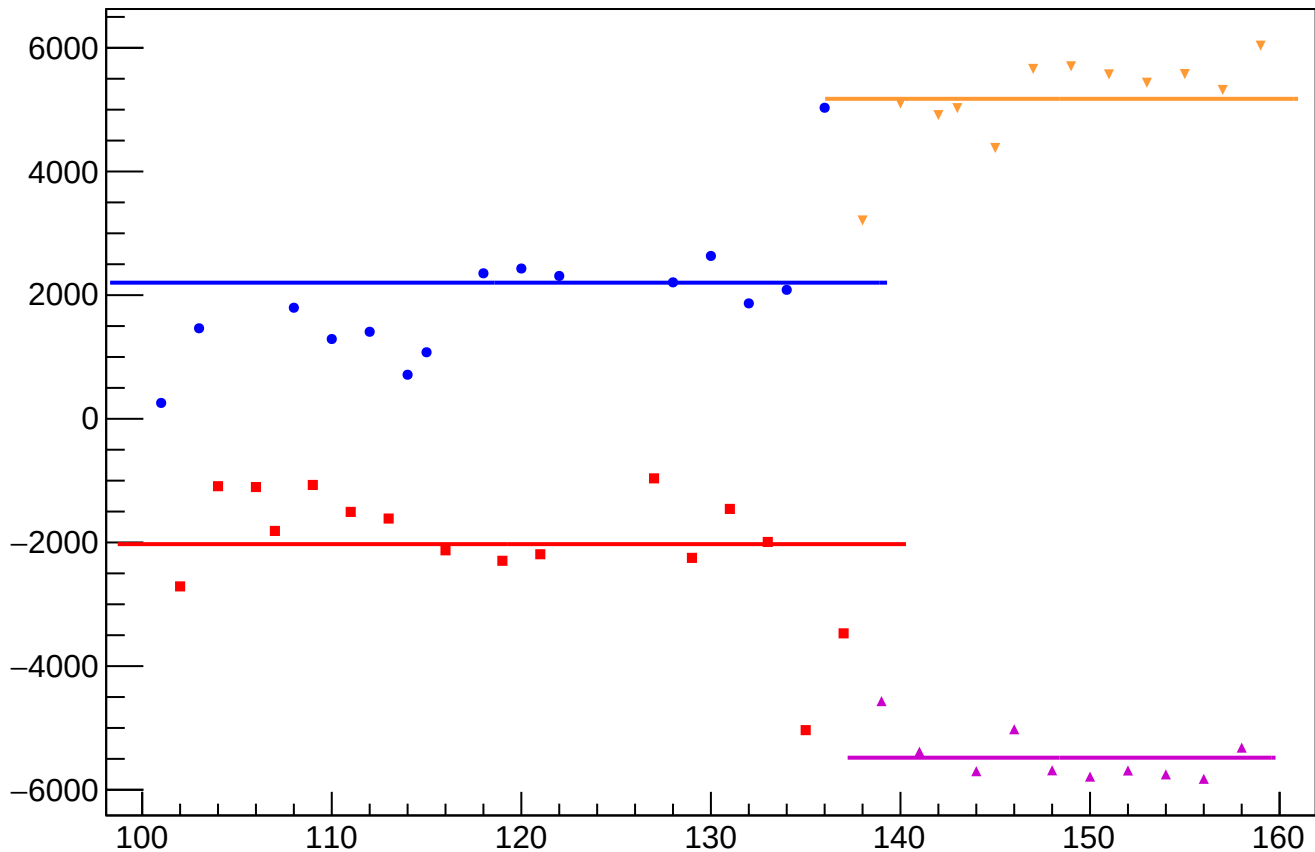
Right In: 862.683 ± 0.000 $\chi^2/\text{NDF}: 337684000863819315026459106525759668224.0/14$
 Left Out: 711.884 ± 0.000 $\chi^2/\text{NDF}: 64392508404620992008761939417708363776.0/11$
 Right Out: -856.059 ± 0.000 $\chi^2/\text{NDF}: 327195216546444767148716224688288694272.0/15$
 Left In: -747.468 ± 0.000 $\chi^2/\text{NDF}: 19678453479780009794296387284024426496.0/9$
 All: 2.056 ± 0.000 $\chi^2/\text{NDF}: 26603574015354$

dit_atl2_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: -1278.216 ± 0.000 χ^2/NDF : 29565438458869811796359539499848433664.0/9
 All: 11.587 ± 0.000 χ^2/NDF : 4295516832813

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: -5481.005+/-0.000

χ^2/NDF : 124130283739564310898501232244333477888.0/9

Left: 49.275+/-0.000 χ^2/NDF : 50708674980659052

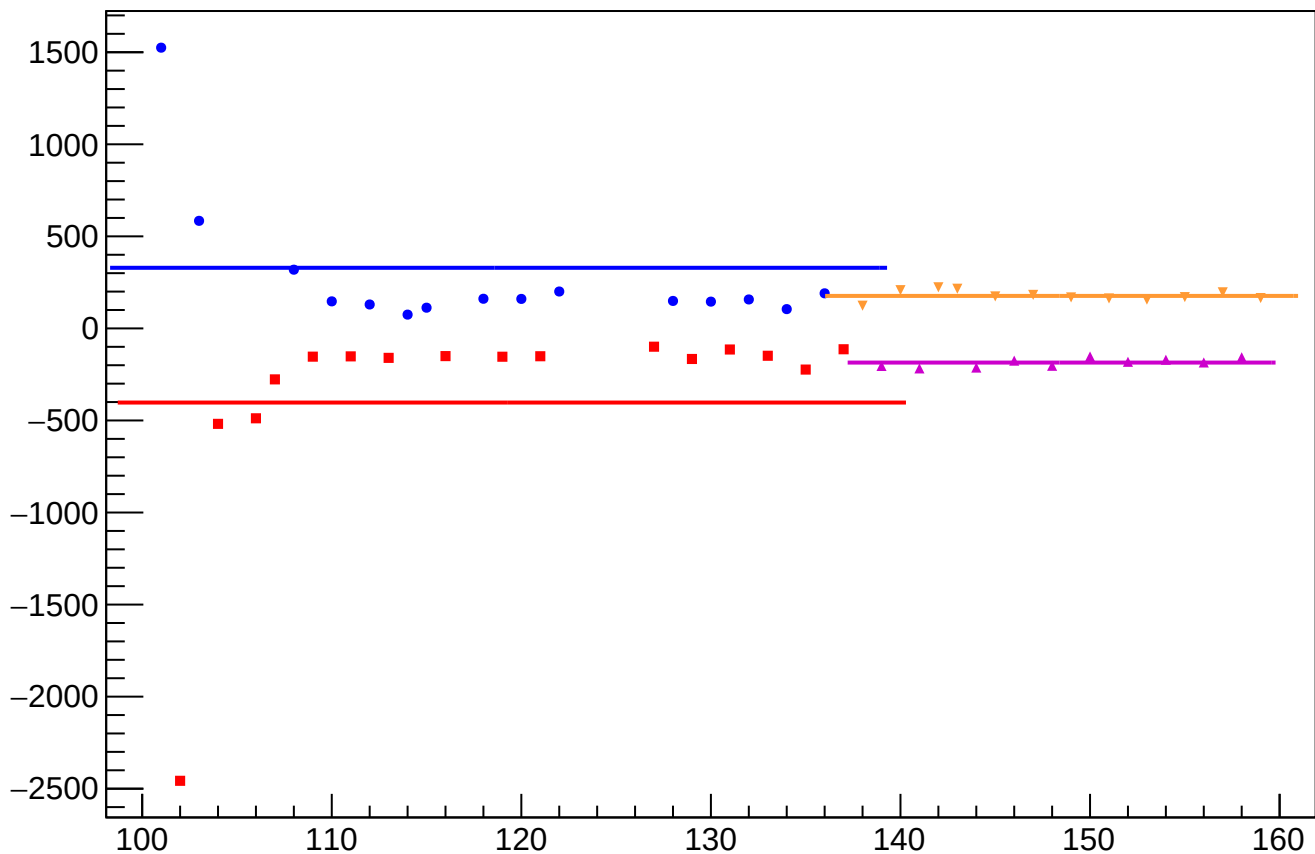
Right: 58.517+/-0.000 χ^2/NDF : 7677530711207331

In: -2154.675+/-0.000 χ^2/NDF : 229330112404045

Out: 2142.635+/-0.000 χ^2/NDF : 212307336274695

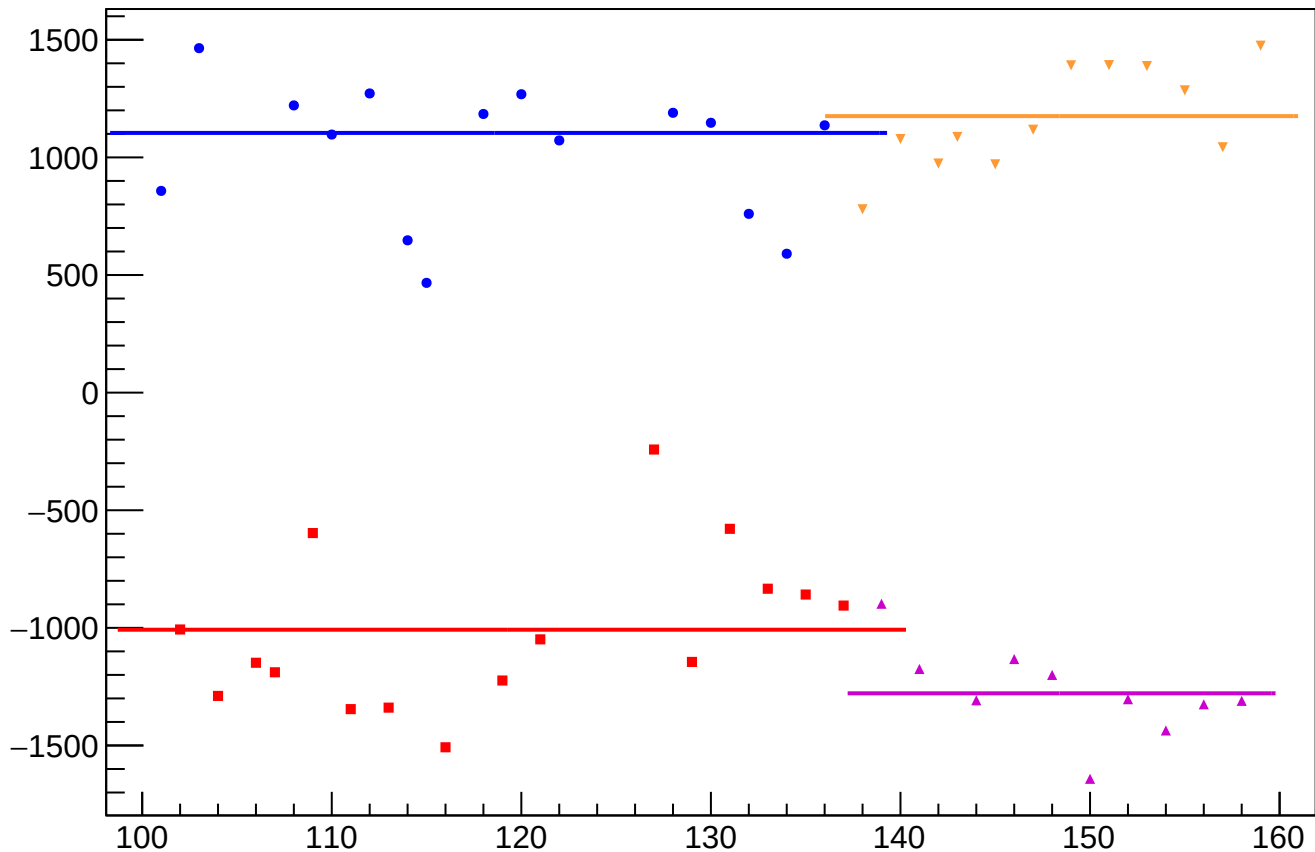
All: 53.220+/-0.000 χ^2/NDF : 5838627011440

dit_atr1_coil3_err_mean vs Slug, Sign Corrected



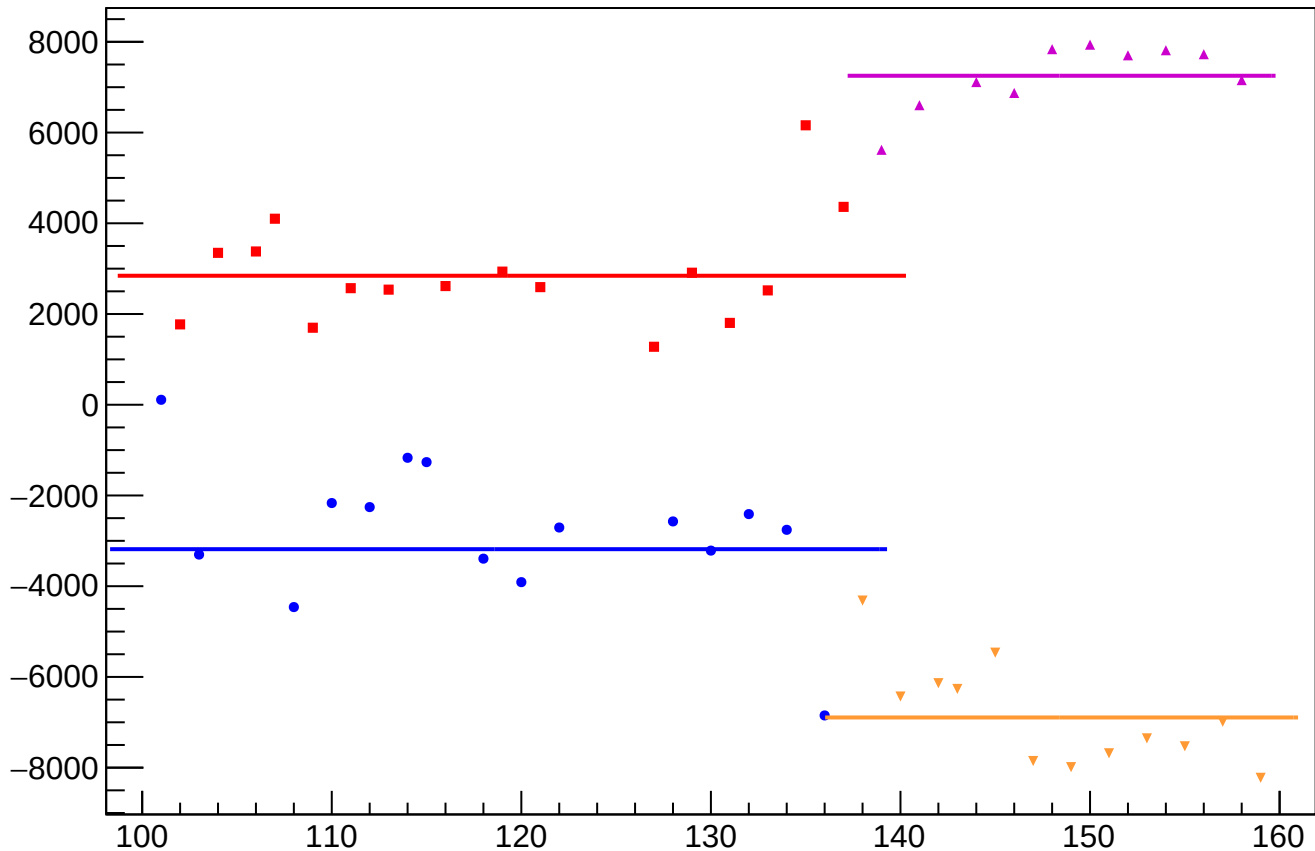
Right In: 329.229+/-0.000 χ^2/NDF : 103285029091922742033837903437132464128.0/14
 Left Out: 176.521+/-0.000 χ^2/NDF : 603954020649542809657845120778633216.0/11
 Right Out: -402.690+/-0.000 χ^2/NDF : 277636056793293374242116053515003494400.0/15
 Left In: -185.579+/-0.000 χ^2/NDF : 402895145659313566051705634282274816.0/9
 All: -16.476+/-0.000 χ^2/NDF : 617444679548

dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 ± 0.000 $\chi^2/\text{NDF}: 32737841591587454251521906421545304064.0/14$
 Left Out: 1175.478 ± 0.000 $\chi^2/\text{NDF}: 39966991584790626200337106489810354176.0/11$
 Right Out: -1007.906 ± 0.000 $\chi^2/\text{NDF}: 69077878009873965622695939627477368832.0/15$
 Left In: -1278.216 ± 0.000 $\chi^2/\text{NDF}: 29565438458869811796359539499848433664.0/9$
 All: 11.587 ± 0.000 $\chi^2/\text{NDF}: 4295516832813$

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: 7252.059+/-0.000

χ^2/NDF : 2134923281384422537296044119642733543424.0/14

χ^2/NDF : 1166796992551395591900489719368617295872.0/11

χ^2/NDF : 947077611563723244705531091944015396864.0/15

χ^2/NDF : 401360397531663819470178391350768041984.0/9

Left: -88.975+/-0.000 χ^2/NDF : 8983562417460285

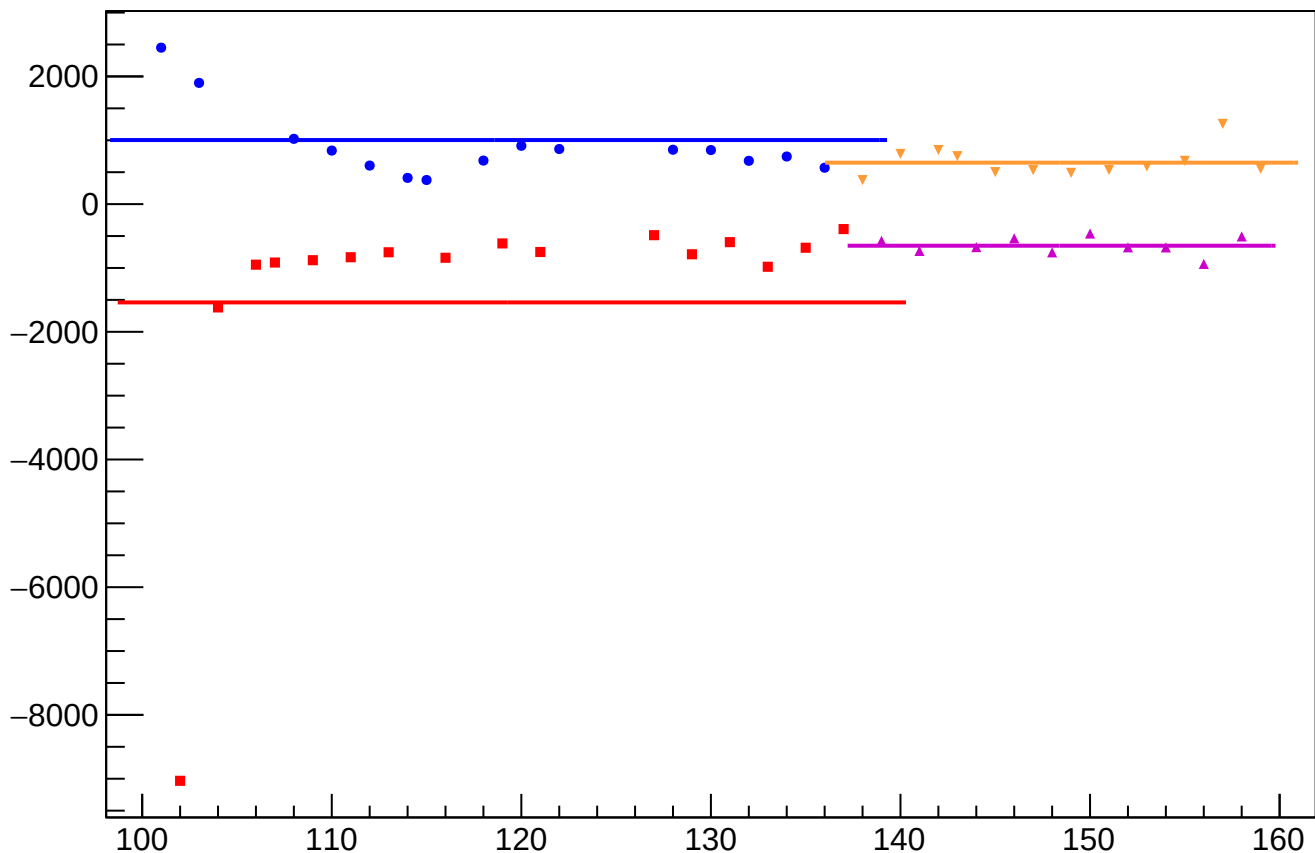
Right: -128.944+/-0.000 χ^2/NDF : 15032681342441

In: 2733.743+/-0.000 χ^2/NDF : 4261640812630670

Out: -2793.428+/-0.000 χ^2/NDF : 38724876379367

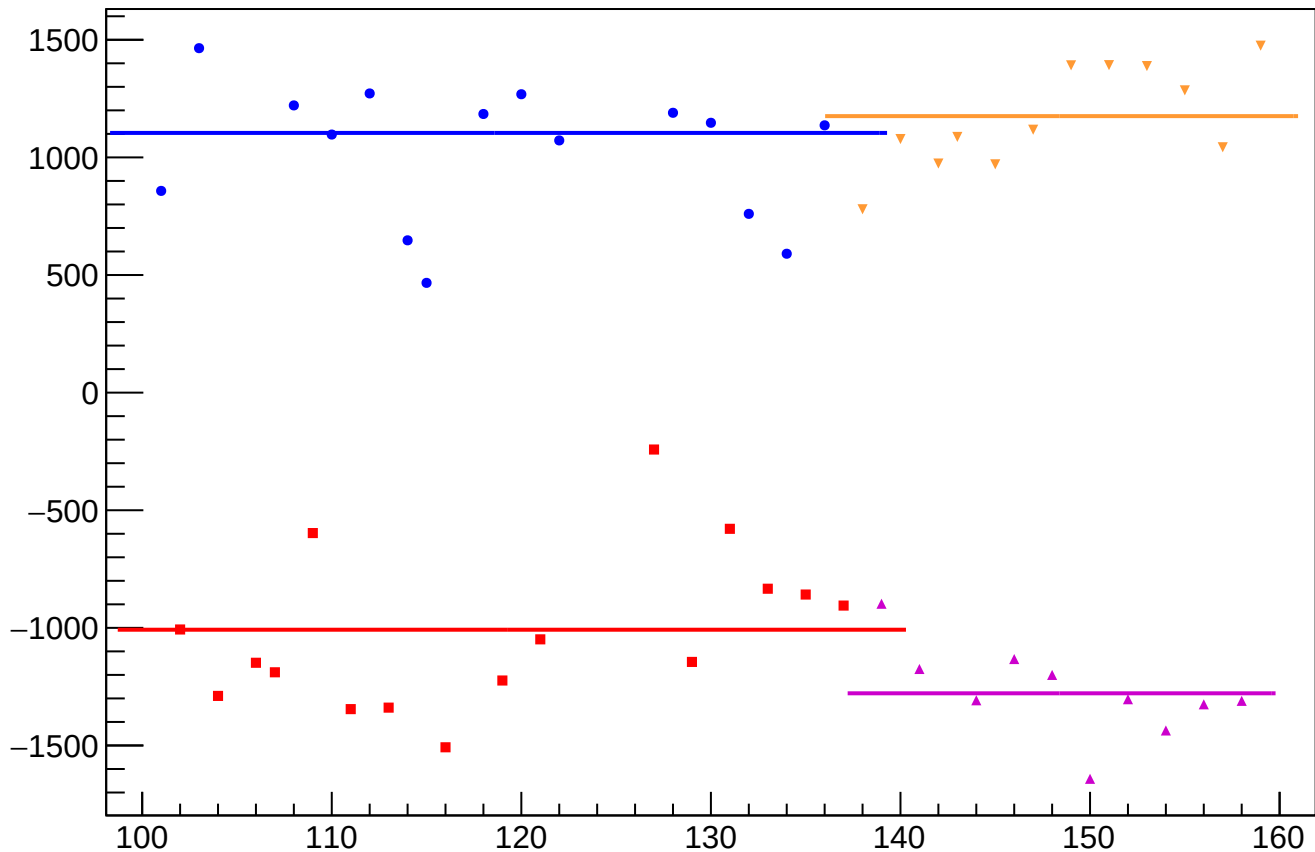
All: -106.036+/-0.000 χ^2/NDF : 10486951043

dit_atr2_coil3_err_mean vs Slug, Sign Corrected



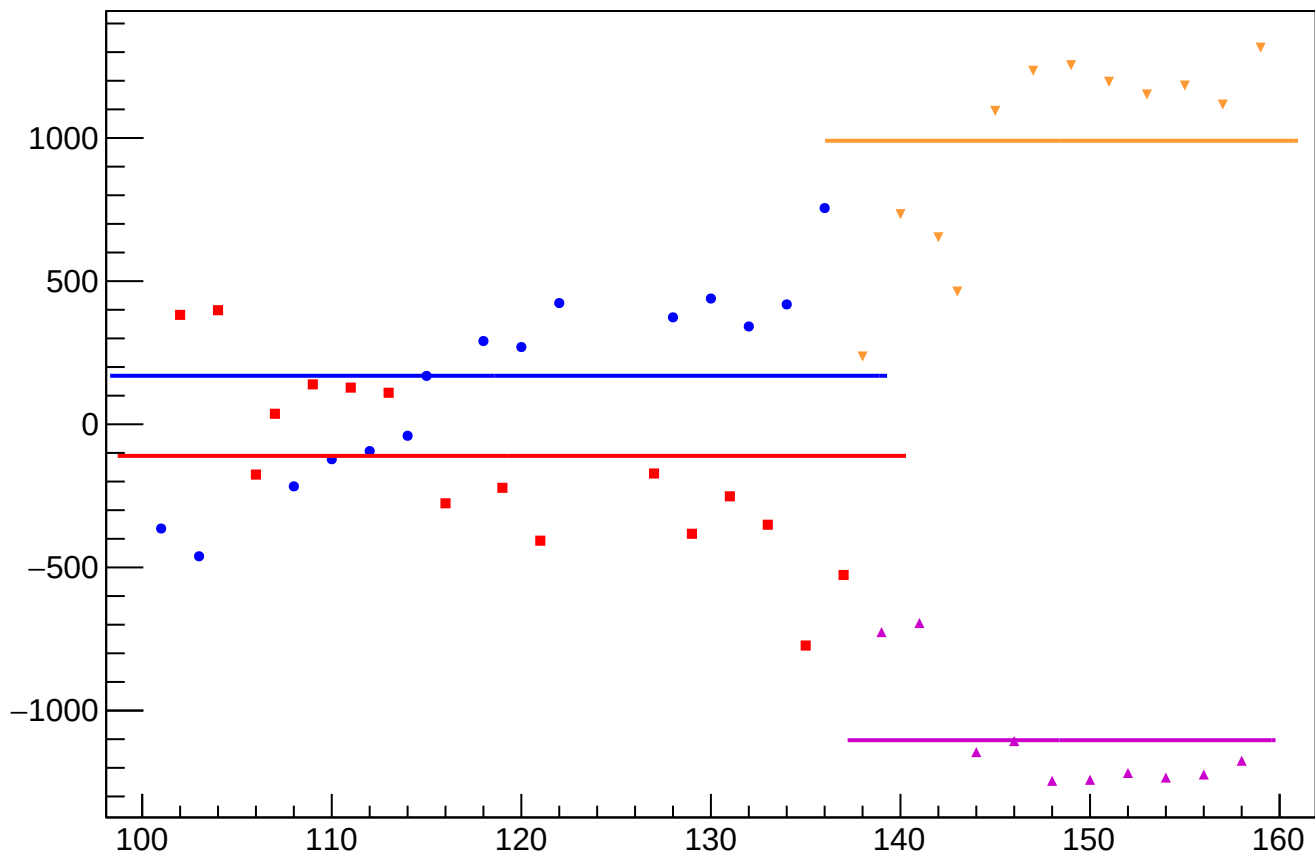
Right In: 1003.407 $\pm$ 0.000 χ^2 /NDF: 219815257294811198811064619822196195328.0/14
 Left Out: 649.450 $\pm$ 0.000 χ^2 /NDF: 46064570136396855168938023455129862144.0/11
 Right Out: -1539.568 $\pm$ 0.000 χ^2 /NDF: 3614774785297482293145354574125437288448.0/15
 Left In: -651.442 $\pm$ 0.000 χ^2 /NDF: 14771671954473899364591371978572562432.0/9
 All: -108.291 $\pm$ 0.000 χ^2 /NDF: 68411688443

dit_atr2_coil3_Ndata_mean vs Slug, Sign Corrected



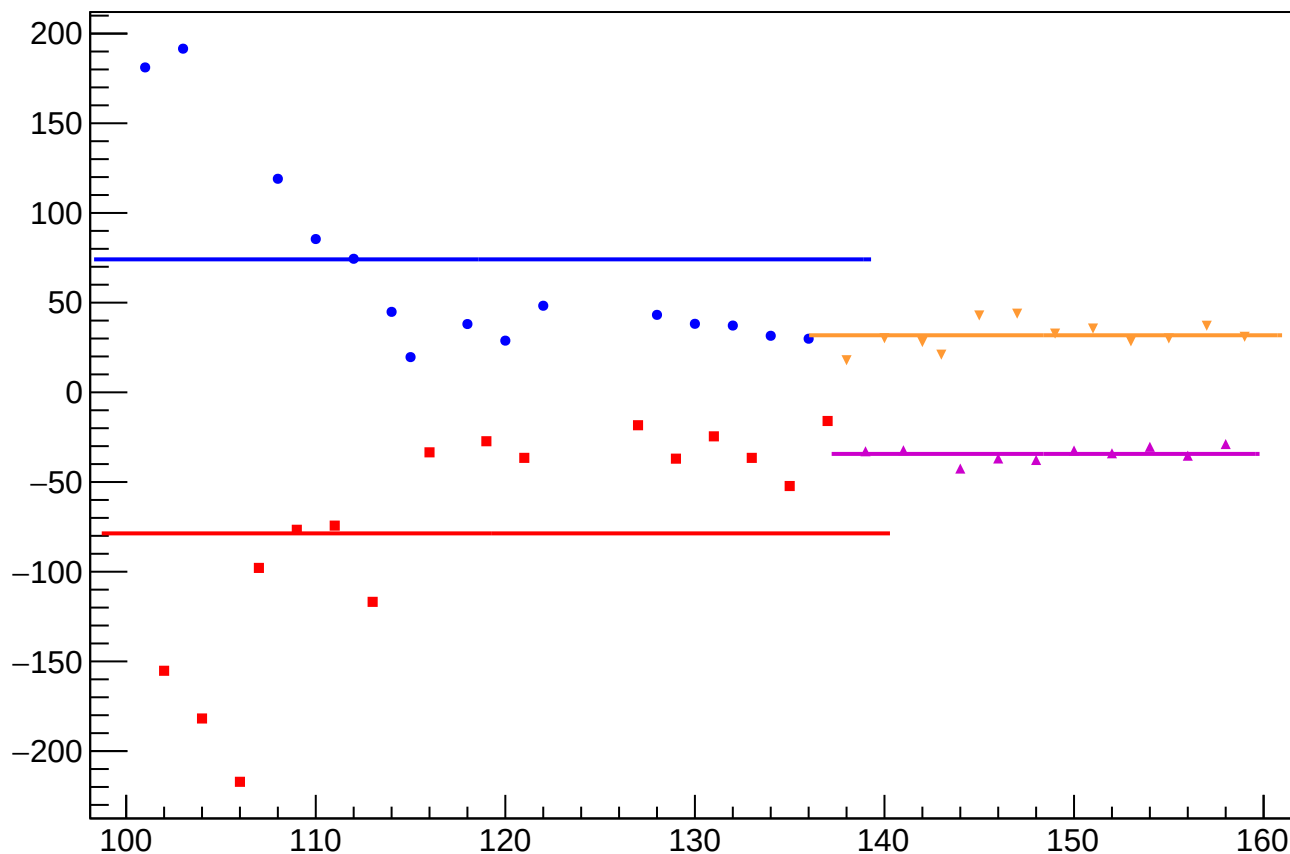
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1278.216 $\pm$ 0.000 χ^2 /NDF: 29565438458869811796359539499848433664.0/9
 All: 11.587 $\pm$ 0.000 χ^2 /NDF: 4295516832813

dit_sam1_coil3_mean vs Slug, Sign Corrected



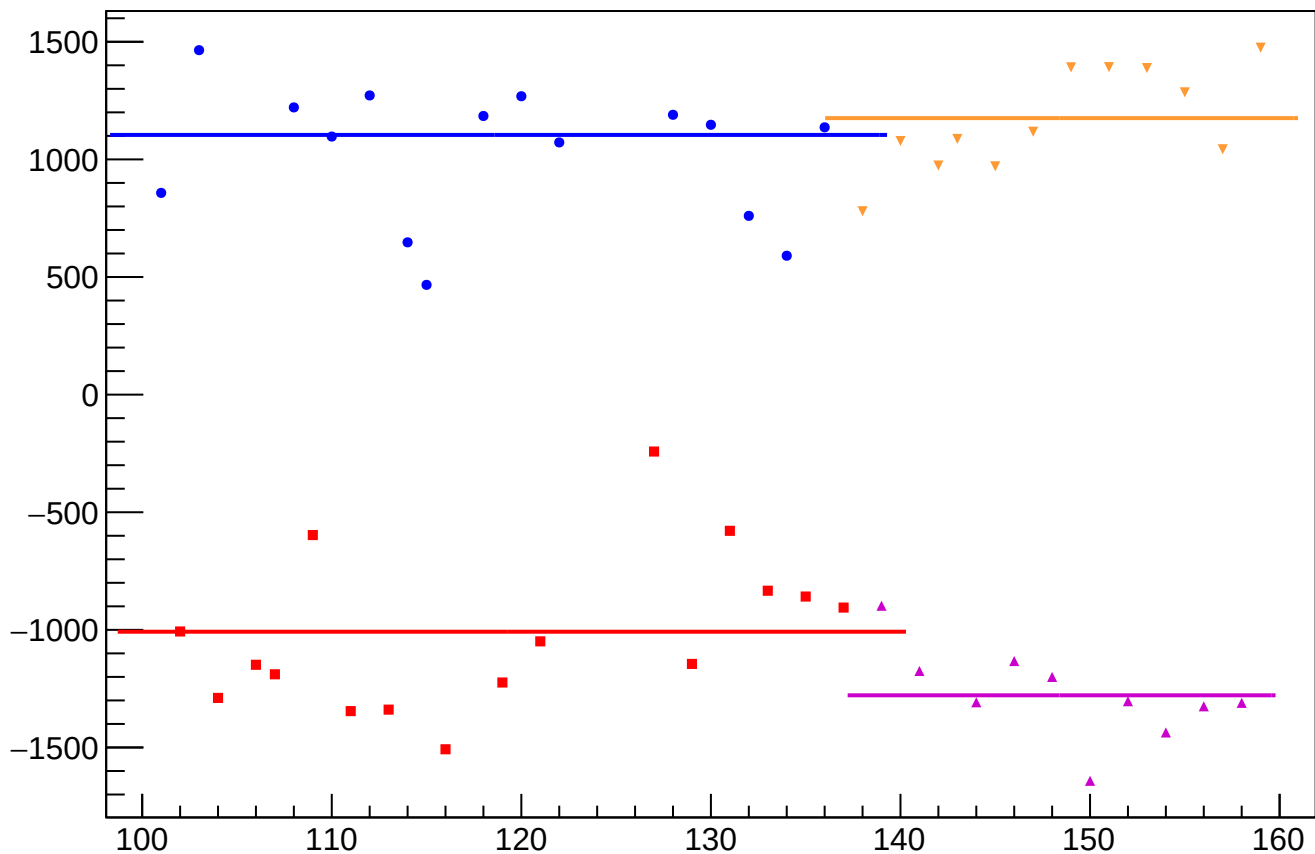
Right In: 169.489 +/- 0.000 χ^2/NDF : 95435894585210891032426613567490359296.0/14
 Left Out: 990.430 +/- 0.000 χ^2/NDF : 103090910531659754312882501653991784448.0/11
 Right Out: -110.289 +/- 0.000 χ^2/NDF : 71770784102052938523592716508479881216.0/15
 Left In: -1103.483 +/- 0.000 χ^2/NDF : 33599275453837935373296698532648976384.0/9
 All: 2.173 +/- 0.000 χ^2/NDF : 22651947620103

dit_sam1_coil3_err_mean vs Slug, Sign Corrected



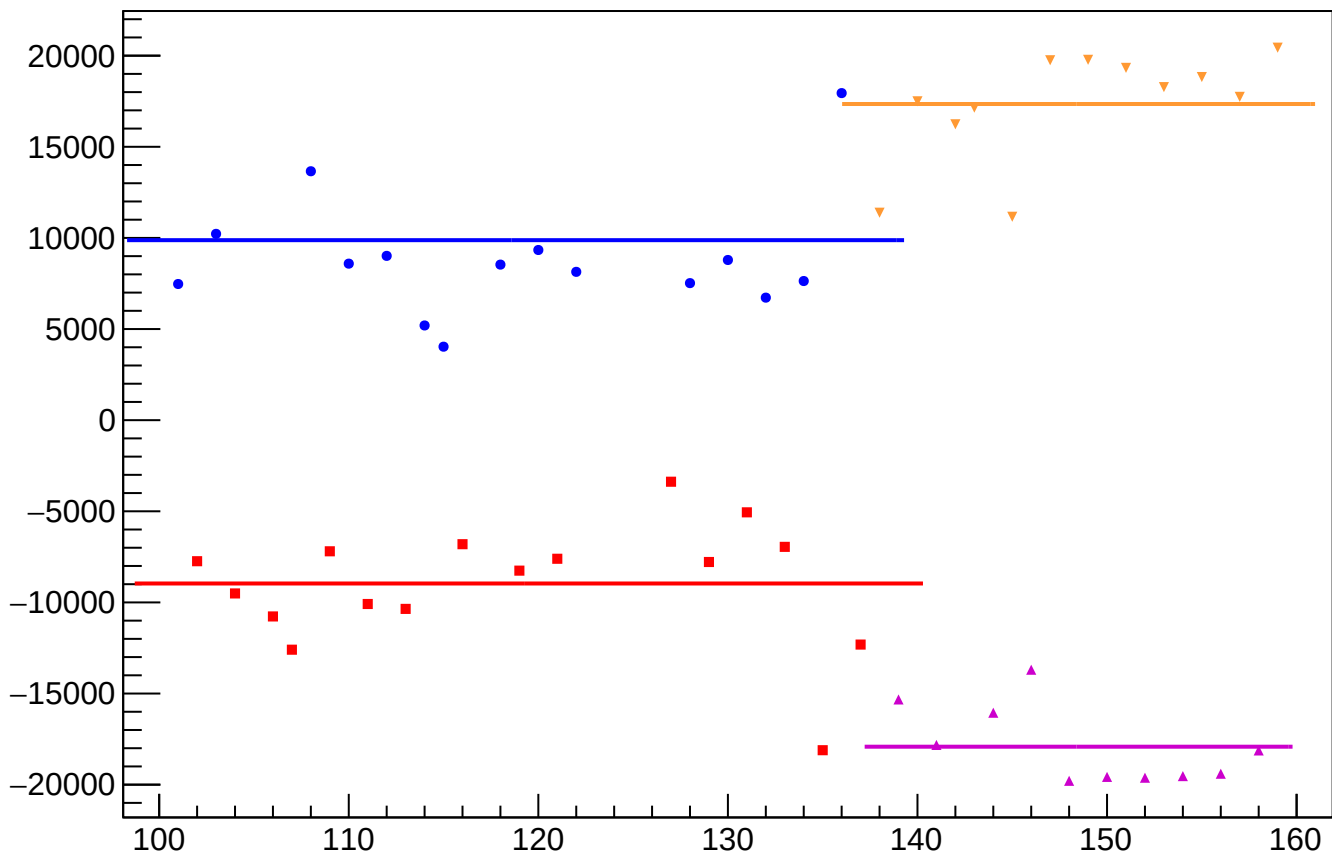
Right In: 74.129+/-0.000 χ^2/NDF : 2168375717401207322620658258081218560.0/14
 Left Out: 31.811+/-0.000 χ^2/NDF : 49714502708074355804513533446586368.0/11
 Right Out: -78.633+/-0.000 χ^2/NDF : 2343230336879830638767678903539466240.0/15
 Left In: -34.328+/-0.000 χ^2/NDF : 12229871444057816079129567123472384.0/9
 All: -1.410+/-0.000 χ^2/NDF : 1418748235744

dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected



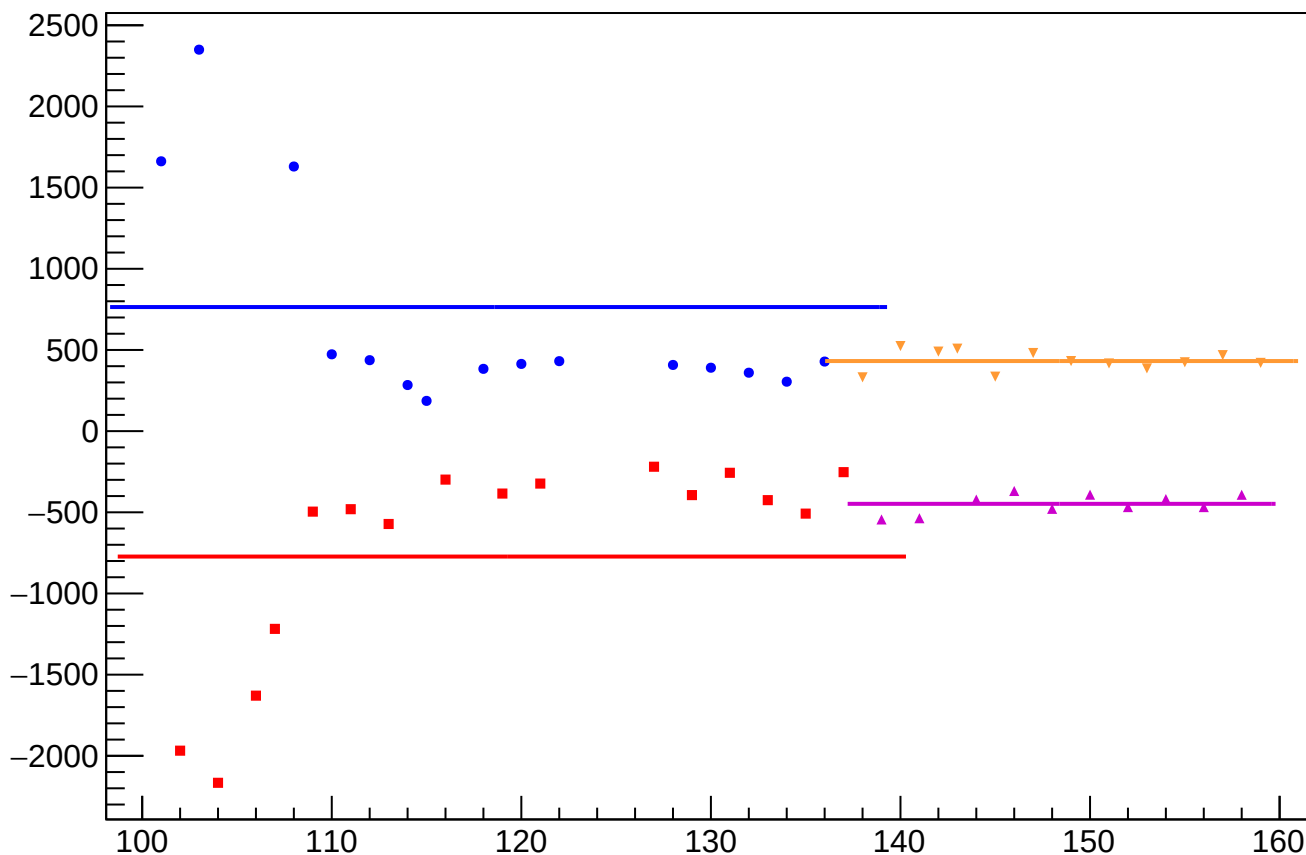
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478+/-0.000 χ^2/NDF : 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1278.216+/-0.000 χ^2/NDF : 29565438458869811796359539499848433664.0/9
 All: 11.587+/-0.000 χ^2/NDF : 4295516832813

dit_sam2_coil3_mean vs Slug, Sign Corrected



Right In: 9876.530+/-0.000 χ^2/NDF : 8483360287053054122301651905797133697024.0/14
 Left Out: 17348.108+/-0.000 χ^2/NDF : 8207548108596149921739030122495561695232.0/11
 Right Out: -8961.593+/-0.000 χ^2/NDF : 7583728644146461427304320888408335450112.0/15
 Left In: -17916.868+/-0.000 χ^2/NDF : 3542569553800076248150385891804423651328.0/9
 All: 360.481+/-0.000 χ^2/NDF : 693130170527

dit_sam2_coil3_err_mean vs Slug, Sign Corrected



Right In: 764.284+/-0.000 χ^2/NDF : 290964758058269480005067205020030599168.0/14

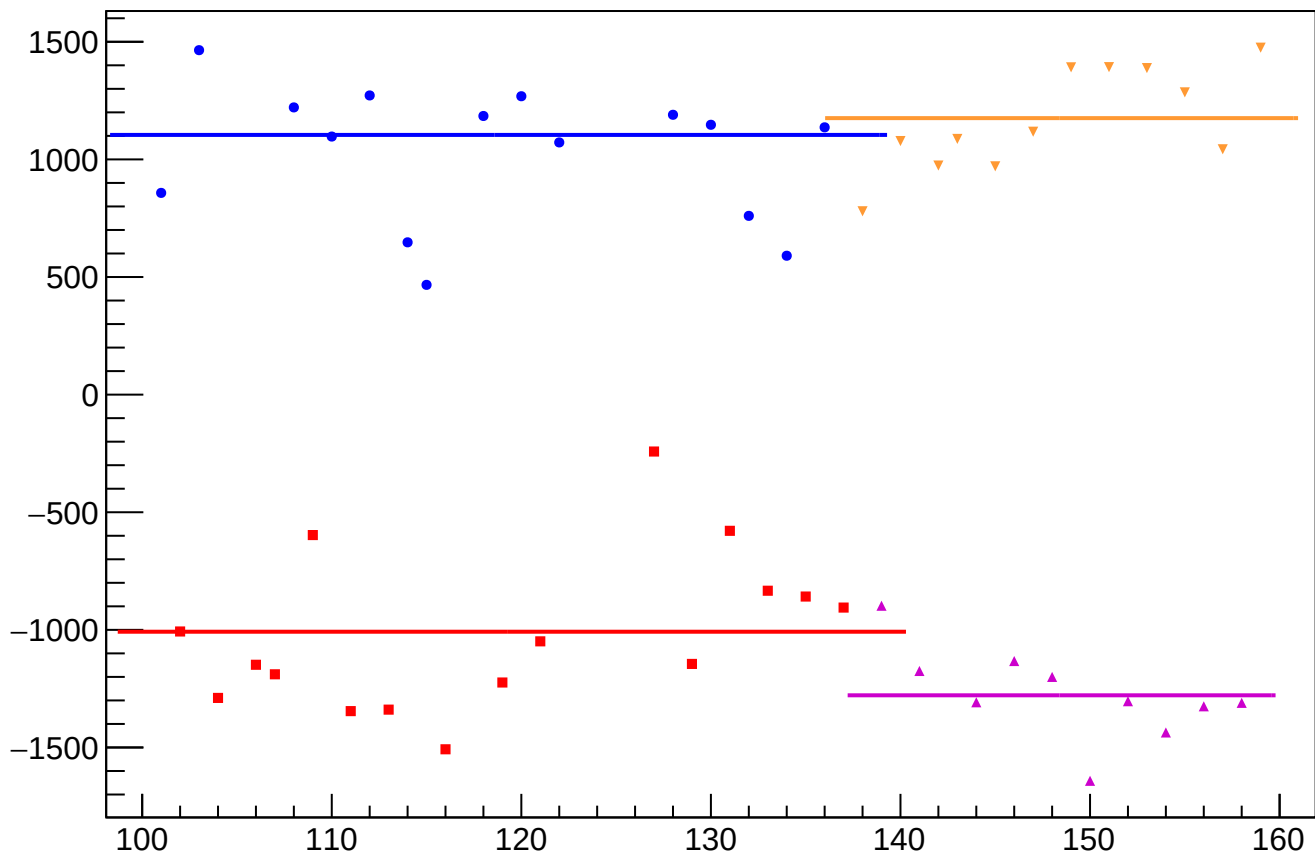
Left Out: 431.662+/-0.000 χ^2/NDF : 3280421514159451222222919804563488768.0/11

Right Out: -772.547+/-0.000 χ^2/NDF : 285902138904642401278625587631891677184.0/15

Left In: -447.860+/-0.000 χ^2/NDF : 2767882529596956792546356167037681664.0/9

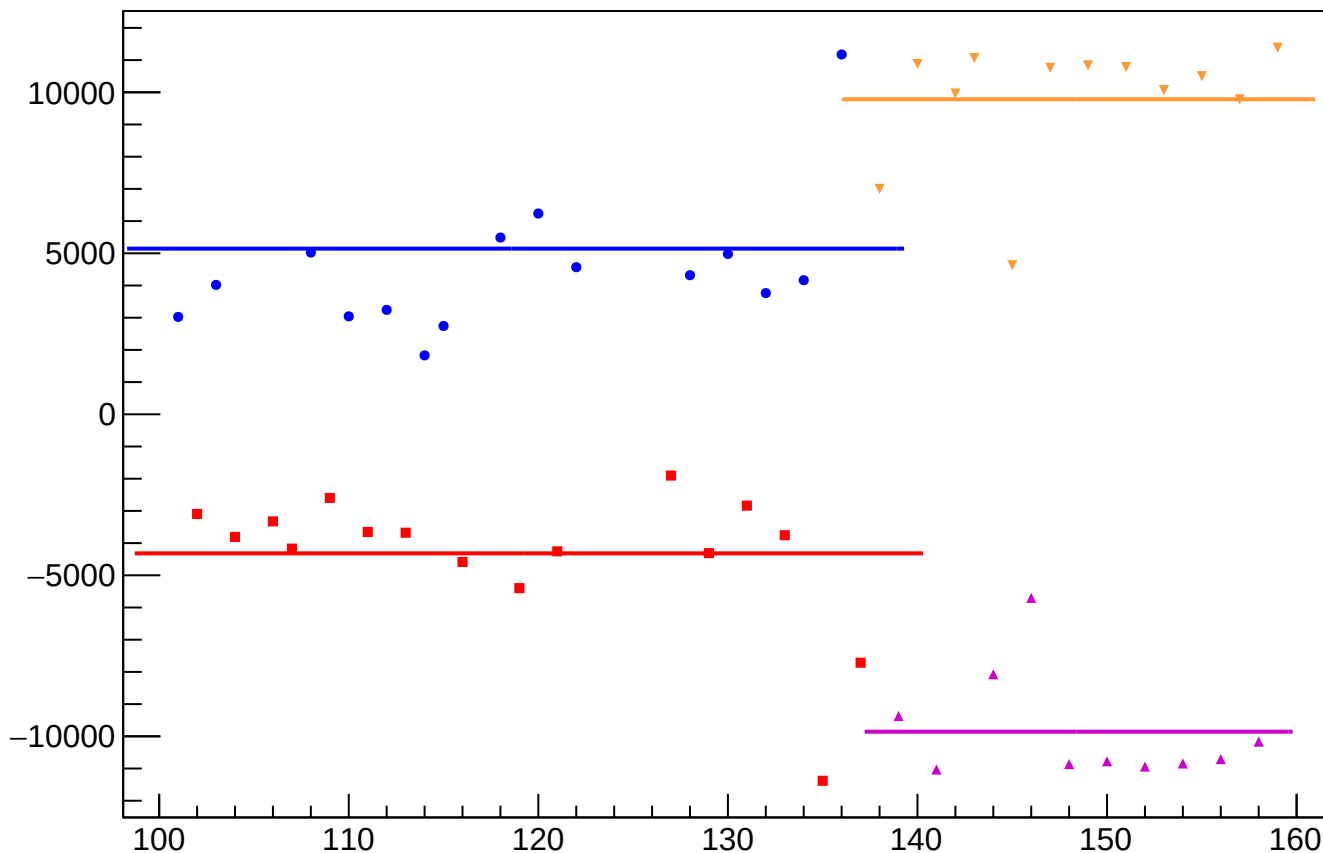
All: -1.335+/-0.000 χ^2/NDF : 1701454050086

dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected



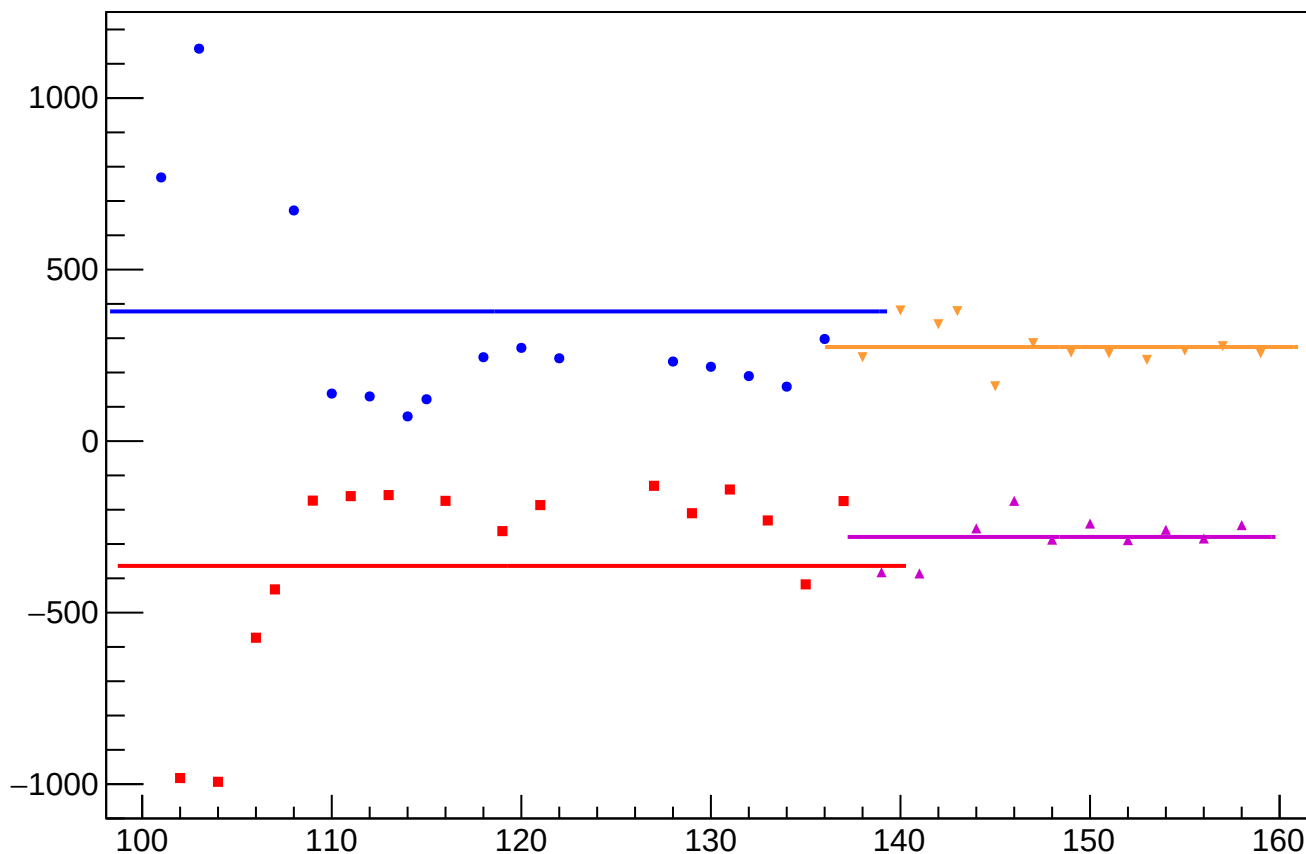
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1278.216 $\pm$ 0.000 χ^2 /NDF: 29565438458869811796359539499848433664.0/9
 All: 11.587 $\pm$ 0.000 χ^2 /NDF: 4295516832813

dit_sam3_coil3_mean vs Slug, Sign Corrected



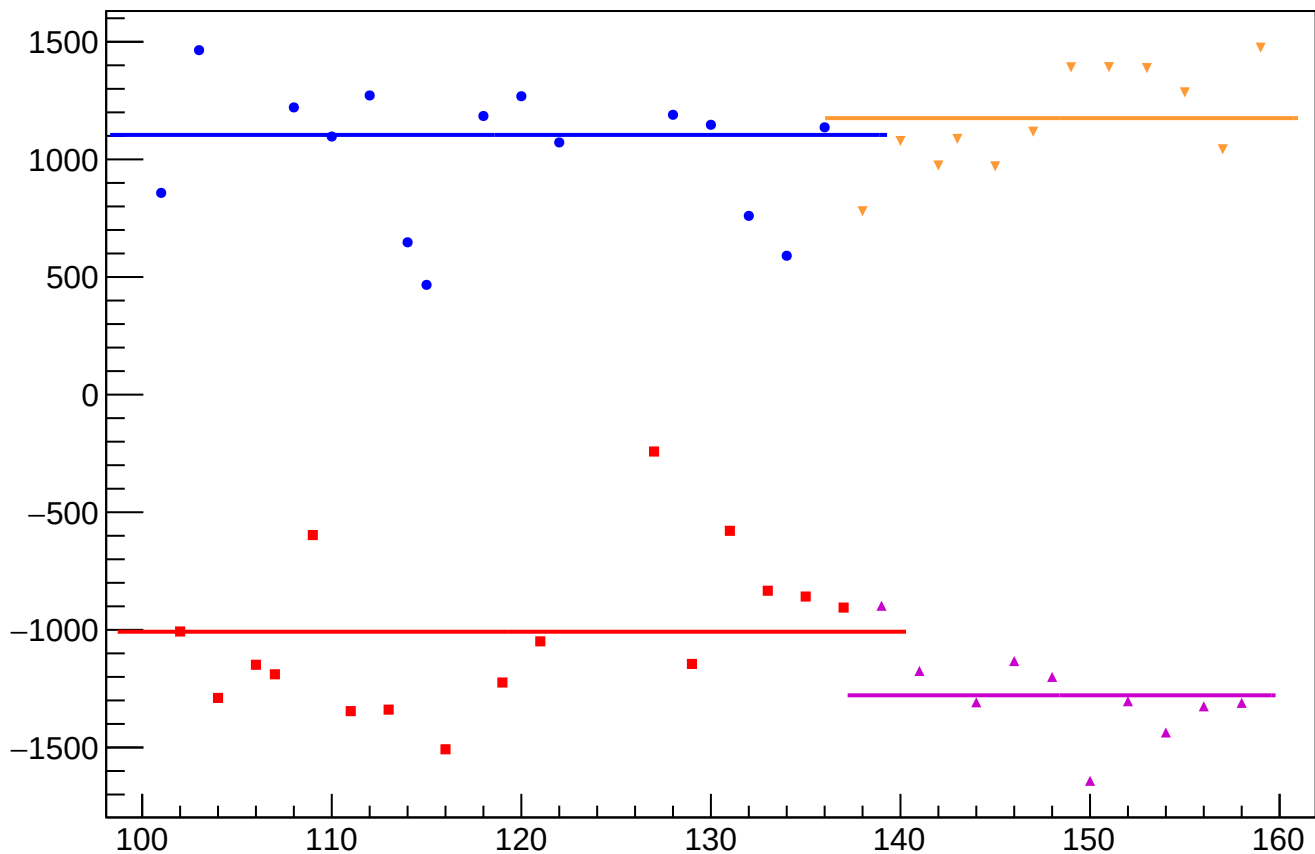
Right In: 5145.657 $\pm$ 0.000 χ^2 /NDF: 427286726245937223781054019585166226272.0/14
 Left Out: 9783.623 $\pm$ 0.000 χ^2 /NDF: 3463460967659182435053933688350532698112.0/11
 Right Out: -4318.126 $\pm$ 0.000 χ^2 /NDF: 3345176554564755427312533888908526616576.0/15
 Left In: -9856.187 $\pm$ 0.000 χ^2 /NDF: 2268394838550359878050659588500239679488.0/9
 All: 341.604 $\pm$ 0.000 χ^2 /NDF: 212958592473

dit_sam3_coil3_err_mean vs Slug, Sign Corrected



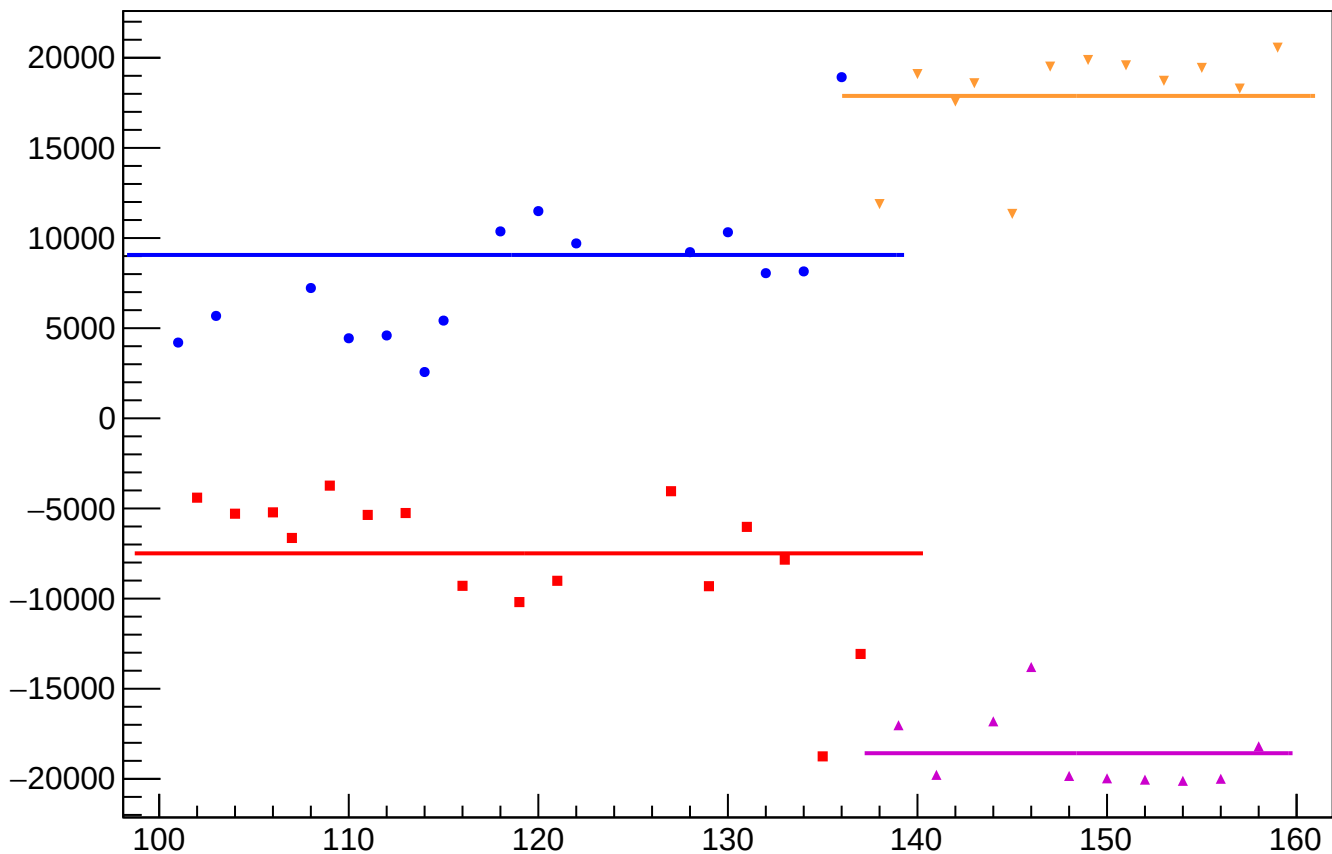
Right In: 378.052+/-0.000 χ^2/NDF : 61516590022593053040860760861331947520.0/14
 Left Out: 274.281+/-0.000 χ^2/NDF : 3210866570321724501306846670770667520.0/11
 Right Out: -363.772+/-0.000 χ^2/NDF : 59031337484709801804181439342706688000.0/15
 Left In: -279.374+/-0.000 χ^2/NDF : 3084442368805298384427675373535232000.0/9
 All: 5.439+/-0.000 χ^2/NDF : 44310201148973

dit_sam3_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: -1278.216+/-0.000 χ^2/NDF : 29565438458869811796359539499848433664.0/9
 All: 11.587+/-0.000 χ^2/NDF : 4295516832813

dit_sam4_coil3_mean vs Slug, Sign Corrected



Right In: 9062.710+/-0.000

χ^2/NDF : 13621066943114354594159252409175431446528.0/14

Left Out: 17884.828+/-0.000

χ^2/NDF : 8035777278860305028144675580255817170944.0/11

Right Out: -7490.147+/-0.000

χ^2/NDF : 10108202124204139932285006457388239159296.0/15

Left In: -18576.687+/-0.000

χ^2/NDF : 3371718062666820096457287151772130869248.0/9

Left: 345.333+/-0.000 χ^2/NDF : 5978441893753003

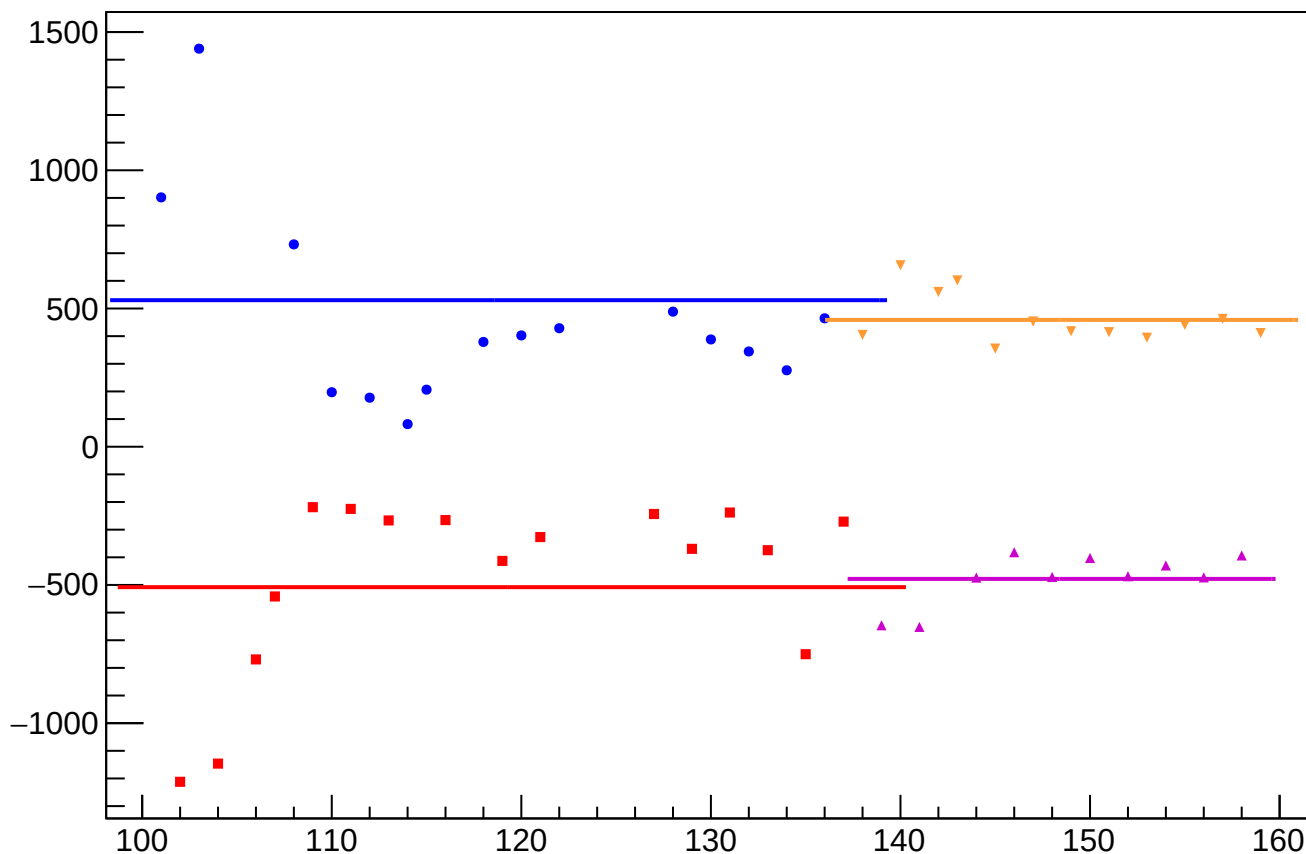
Right: 673.078+/-0.000 χ^2/NDF : 113857439938422

In: -6610.064+/-0.000 χ^2/NDF : 298130503442593

Out: 7199.785+/-0.000 χ^2/NDF : 266772668705775

All: 485.233+/-0.000 χ^2/NDF : 711782649124

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

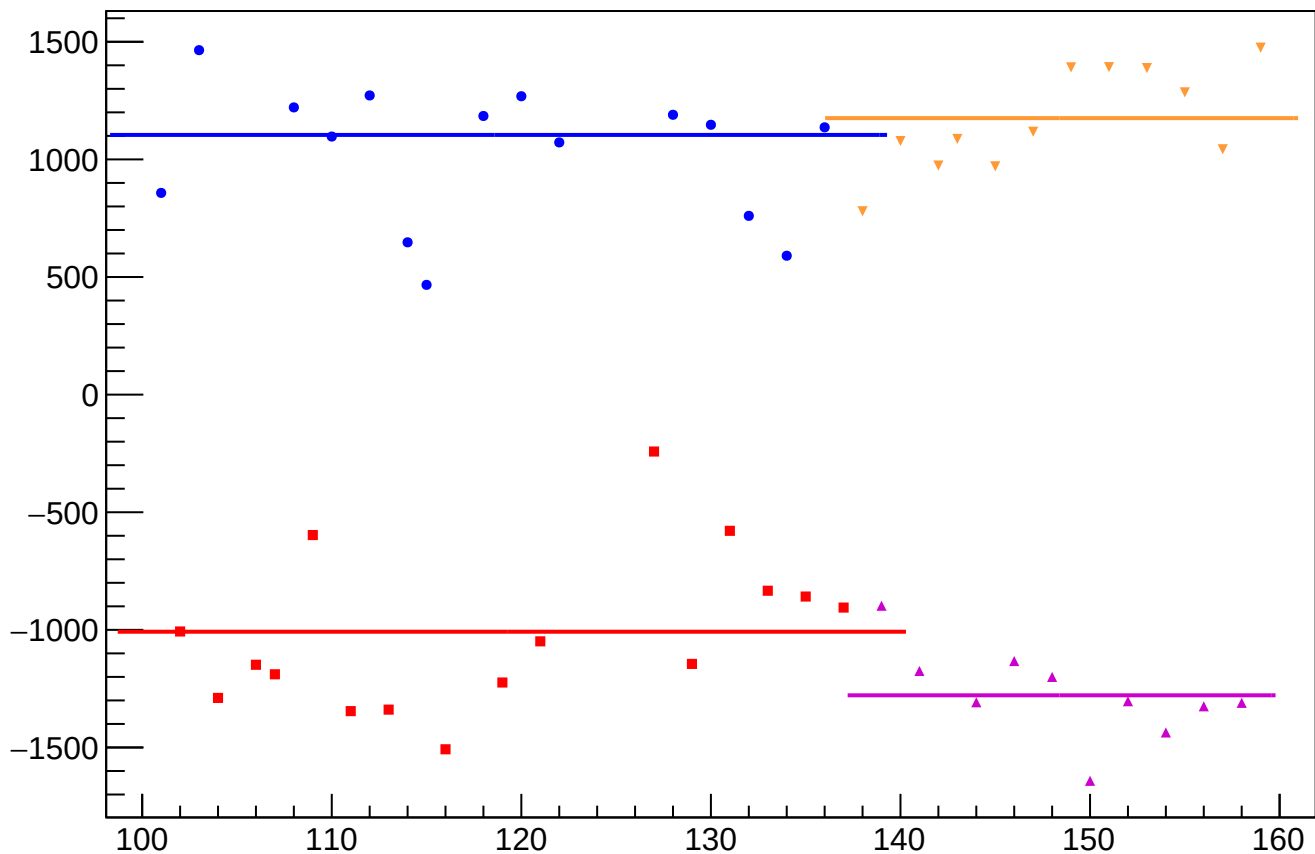
χ^2/NDF : 76689734698308464337881841969555046400.0/15

Left In: -478.090+/-0.000

χ^2/NDF : 6944987516276084500153126605260062720.0/9

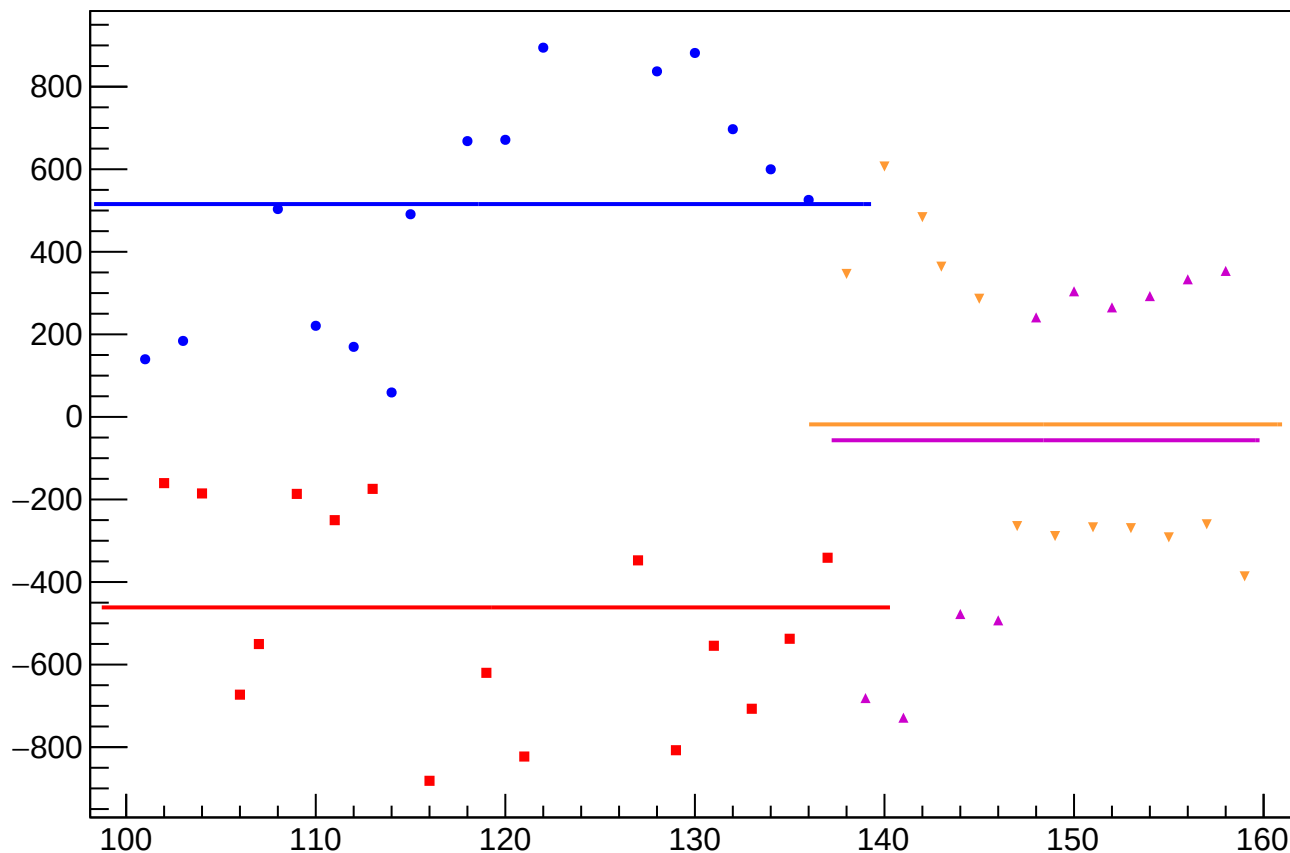
Left: 8.121+/-0.000 χ^2/NDF : 401139920754797650
 Right: 3.936+/-0.000 χ^2/NDF : 50988723963729126
 In: -41.607+/-0.000 χ^2/NDF : 45973249645815624
 Out: 51.704+/-0.000 χ^2/NDF : 44460214441514658
 All: 6.334+/-0.000 χ^2/NDF : 91104036758304

dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected



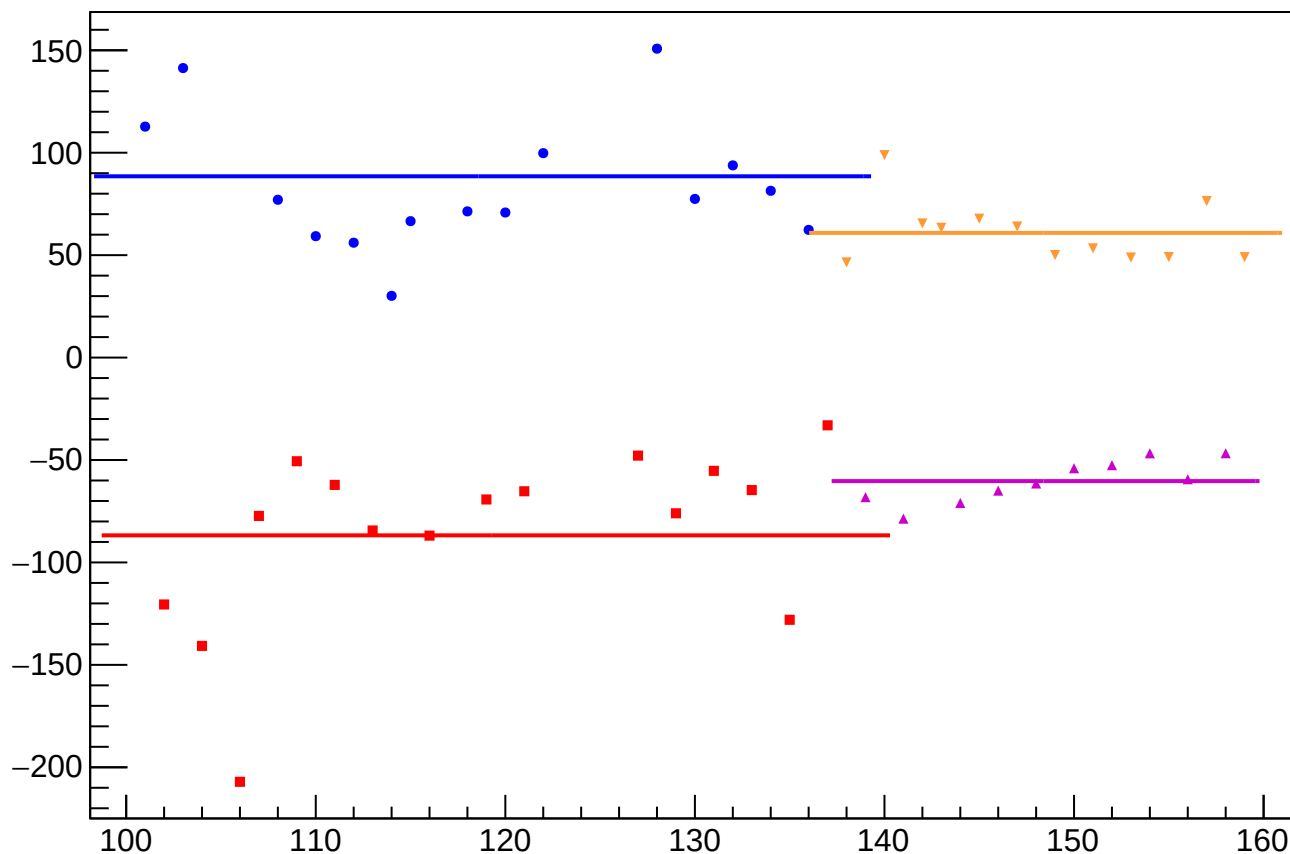
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1278.216 $\pm$ 0.000 χ^2 /NDF: 29565438458869811796359539499848433664.0/9
 All: 11.587 $\pm$ 0.000 χ^2 /NDF: 4295516832813

dit_sam5_coil3_mean vs Slug, Sign Corrected



Left: -36.600 ± 0.000 $\chi^2/\text{NDF}: 2809349845112622$
 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: 191.168 ± 0.000 $\chi^2/\text{NDF}: 3354820535887615$
 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: -56.573 ± 0.000 $\chi^2/\text{NDF}: 166521343197009971753658203112271249408.0/9$
 All: -12.275 ± 0.000 $\chi^2/\text{NDF}: 686390022546$

dit_sam5_coil3_err_mean vs Slug, Sign Corrected



Right In: 88.493+/-0.000 χ^2/NDF : 643231155193035512625817963208900608.0/14

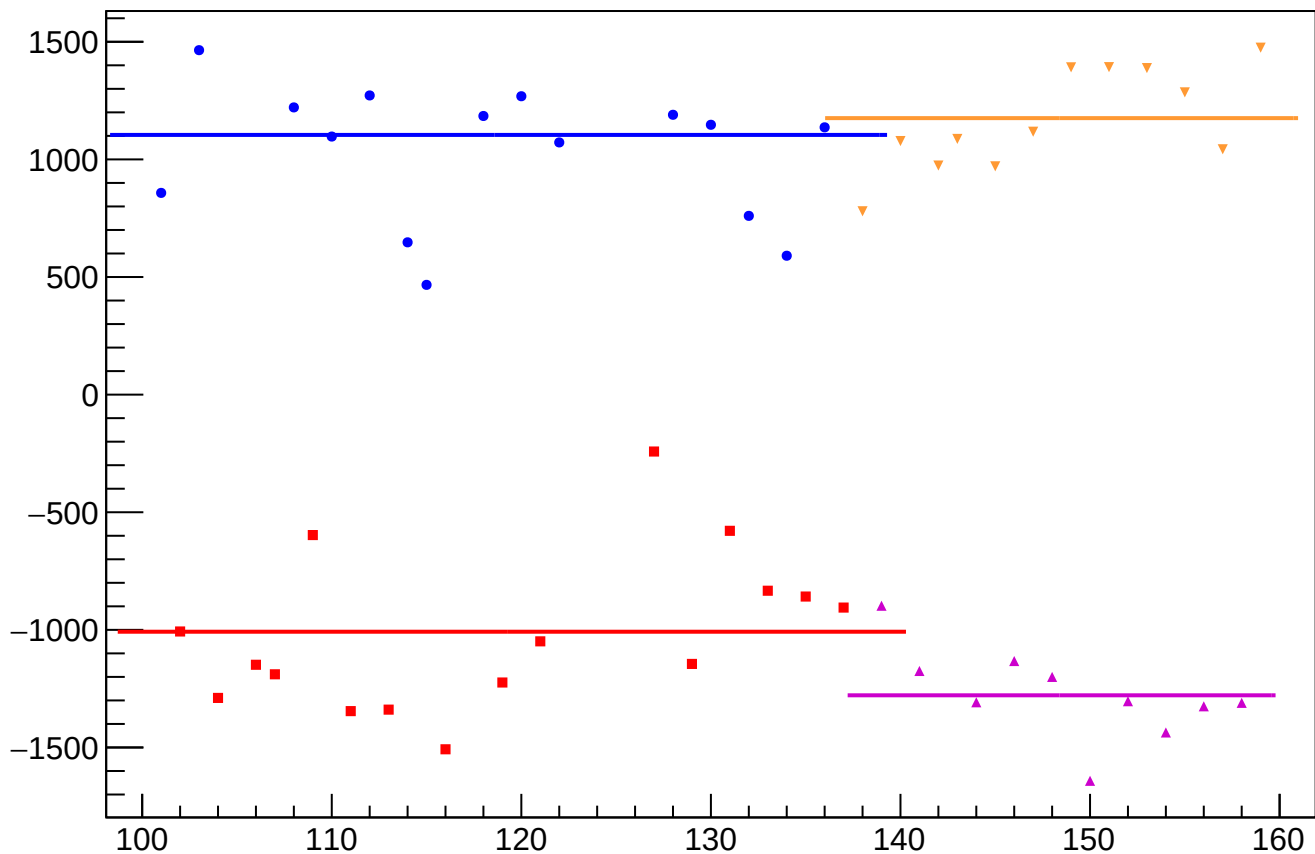
Left Out: 60.867+/-0.000 χ^2/NDF : 208334830420842687698000766503485440.0/11

Right Out: -86.773+/-0.000 χ^2/NDF : 1059206766314086021240525003228708864.0/15

Left In: -60.289+/-0.000 χ^2/NDF : 85882790622383022073395510408904704.0/9

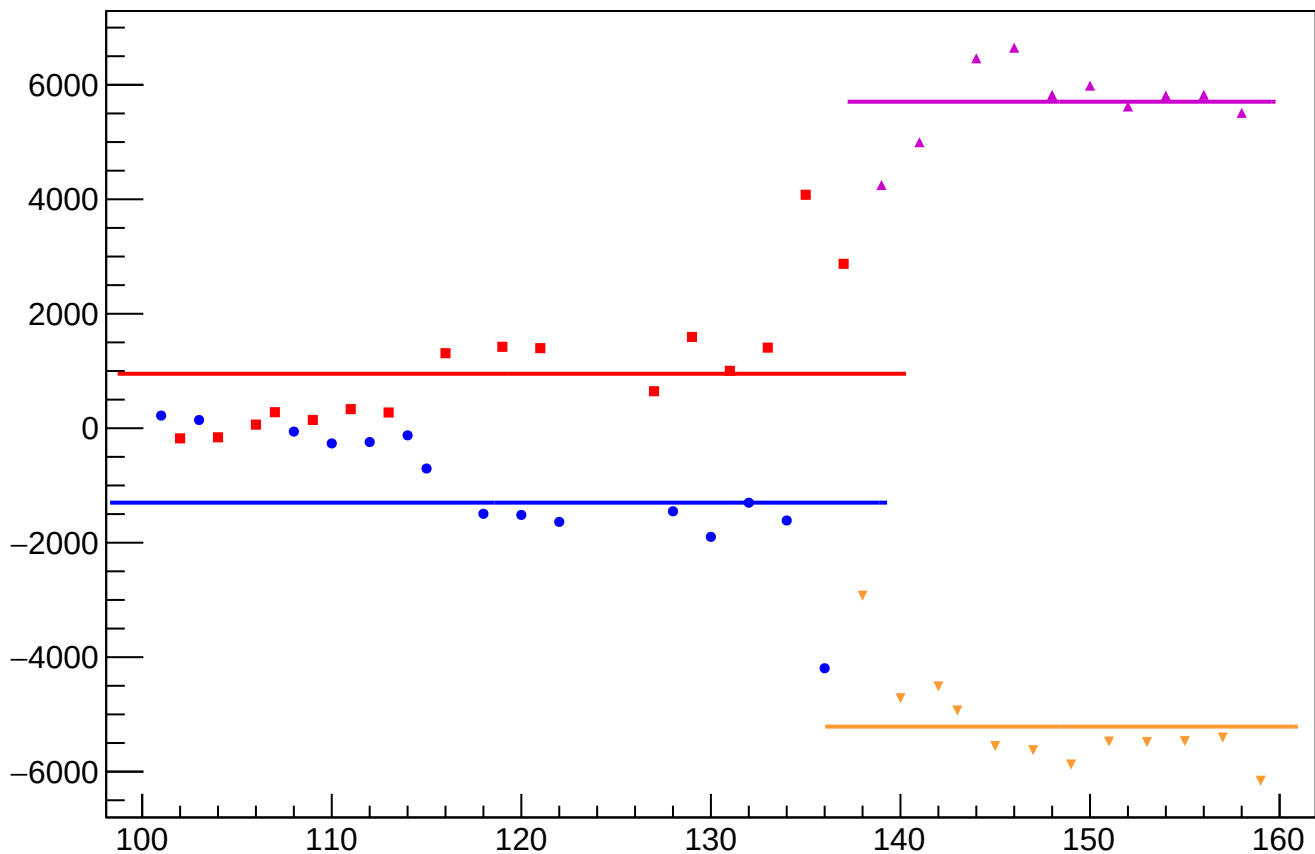
All: 1.337+/-0.000 χ^2/NDF : 18582623248293

dit_sam5_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: -1278.216+/-0.000 χ^2/NDF : 29565438458869811796359539499848433664.0/9
 All: 11.587+/-0.000 χ^2/NDF : 4295516832813

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: 5705.020+/-0.000

χ^2/NDF : 1199649252163216367086408691577524322304.0/14

χ^2/NDF : 607024723474712138909900039656470216704.0/11

χ^2/NDF : 841314696863657044174468284217089327104.0/15

χ^2/NDF : 353670609011636479129590136224077578240.0/9

Left: 38.991+/-0.000 χ^2/NDF : 53543496774732892

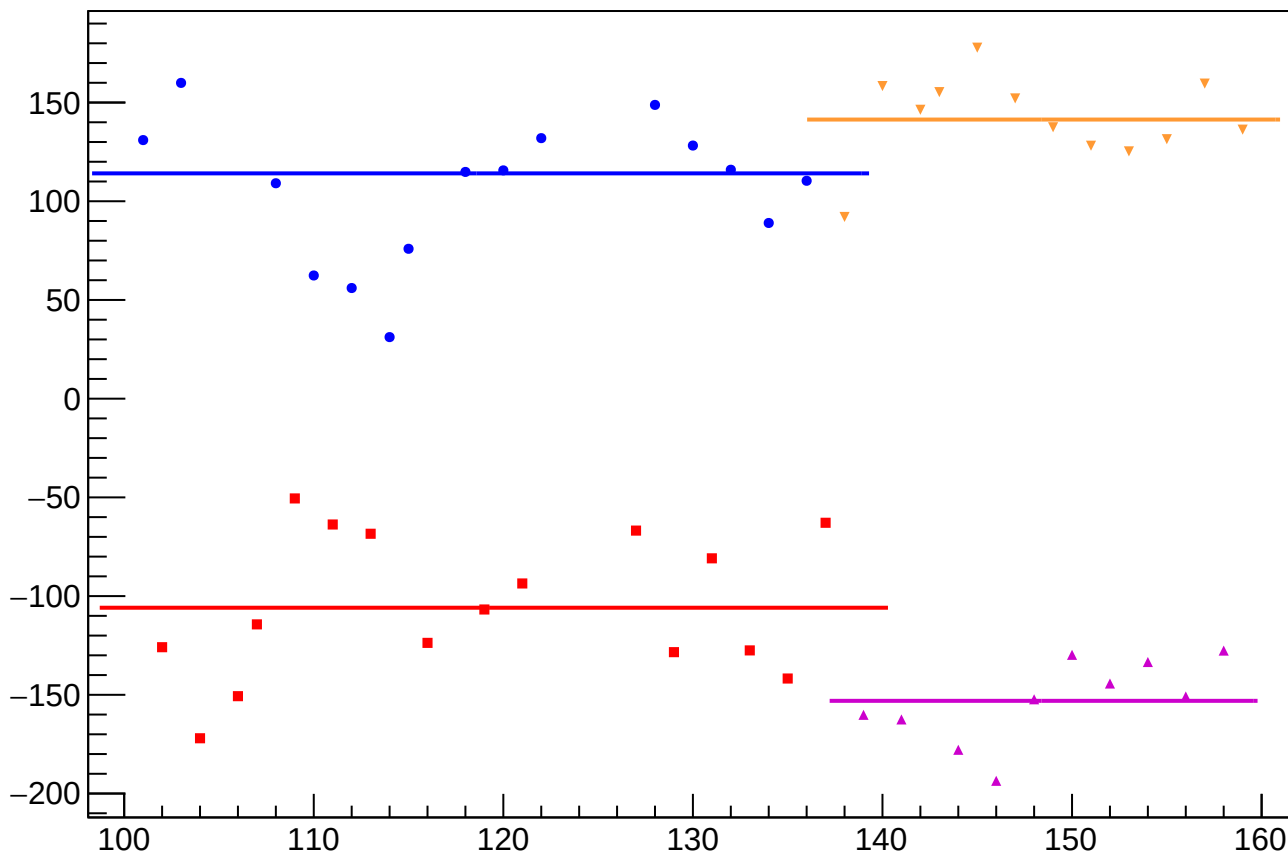
Right: -158.600+/-0.000 χ^2/NDF : 37088904648604

In: 2672.201+/-0.000 χ^2/NDF : 1961128655651699

Out: -2617.077+/-0.000 χ^2/NDF : 16124078025382

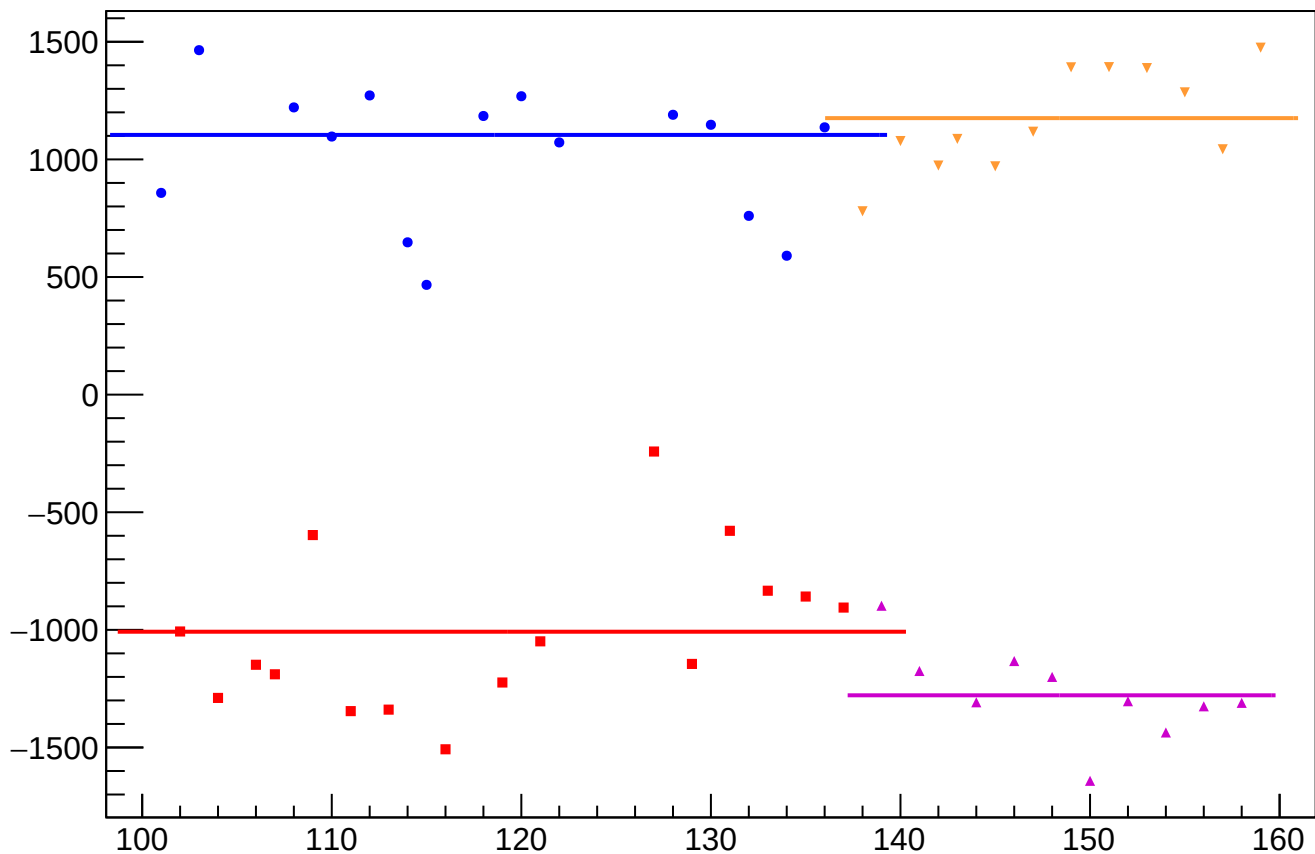
All: -45.352+/-0.000 χ^2/NDF : 572818352845

dit_sam6_coil3_err_mean vs Slug, Sign Corrected



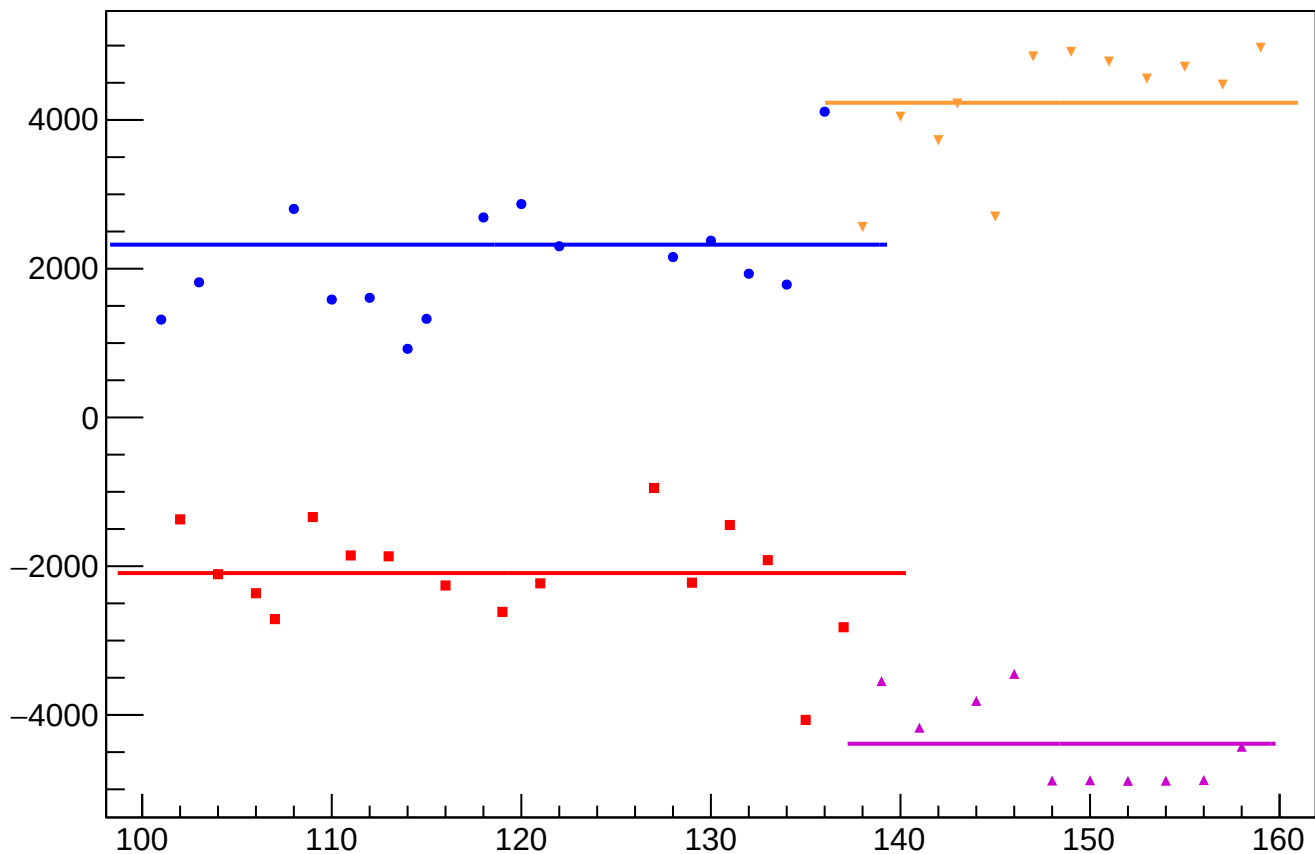
Right In: 114.118 $\pm$ 0.000 χ^2 /NDF: 607226770891525118881736460452495360.0/14
 Left Out: 141.380 $\pm$ 0.000 χ^2 /NDF: 416963026310292285514058989674954752.0/11
 Right Out: -105.890 $\pm$ 0.000 χ^2 /NDF: 851861355270591521058611007535972352.0/15
 Left In: -153.053 $\pm$ 0.000 χ^2 /NDF: 345914758641656854097187462944129024.0/9
 All: 0.968 $\pm$ 0.000 χ^2 /NDF: 56390311977829

dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected



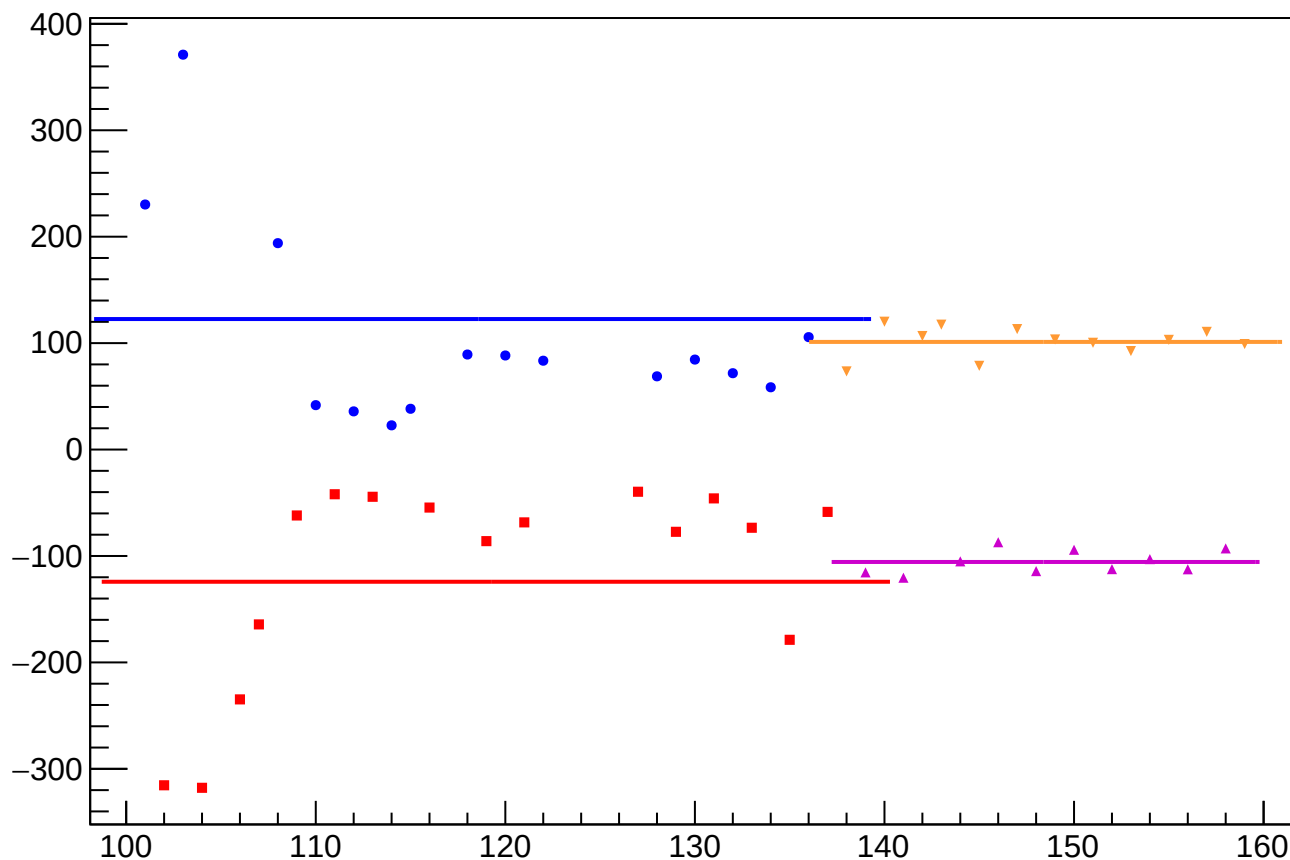
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478+/-0.000 χ^2/NDF : 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1278.216+/-0.000 χ^2/NDF : 29565438458869811796359539499848433664.0/9
 All: 11.587+/-0.000 χ^2/NDF : 4295516832813

dit_sam7_coil3_mean vs Slug, Sign Corrected



Right In: 2323.372 $\pm$ 0.000 χ^2 /NDF: 476371189888349375964725620757728591872.0/14
 Left Out: 4231.380 $\pm$ 0.000 χ^2 /NDF: 591264758783455505140129278309664030720.0/11
 Right Out: -2092.458 $\pm$ 0.000 χ^2 /NDF: 367126080872166122663684022473339174912.0/15
 Left In: -4387.225 $\pm$ 0.000 χ^2 /NDF: 269496277259890960670221813712137748480.0/9
 All: 85.382 $\pm$ 0.000 χ^2 /NDF: 4088458479280

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: -105.623+/-0.000

χ^2/NDF : 94579531371313023114733756927180800.0/9

Left: 1.677+/-0.000 χ^2/NDF : 191275069923384107

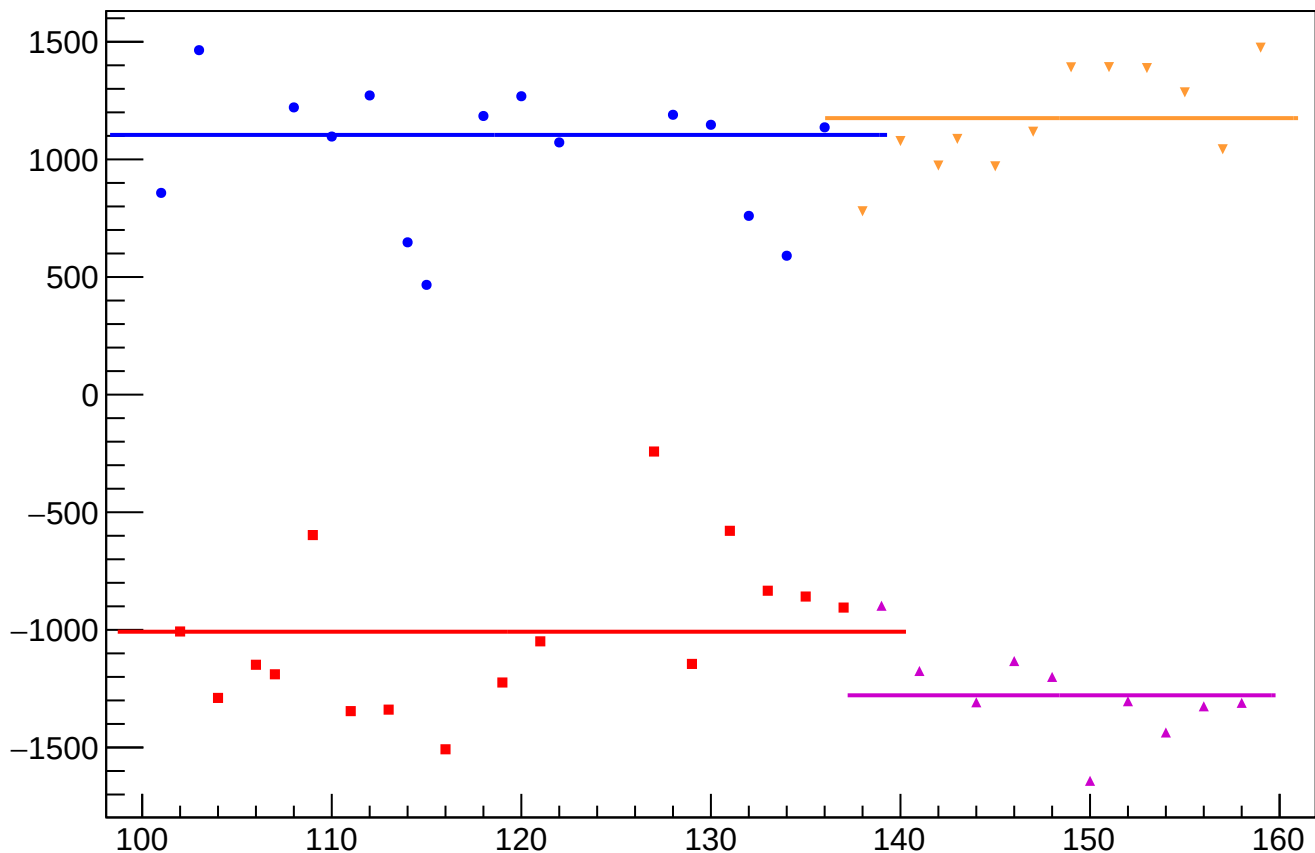
Right: -2.485+/-0.000 χ^2/NDF : 3252911350198687

In: -6.803+/-0.000 χ^2/NDF : 252040433980962386

Out: 6.245+/-0.000 χ^2/NDF : 263345289912676281

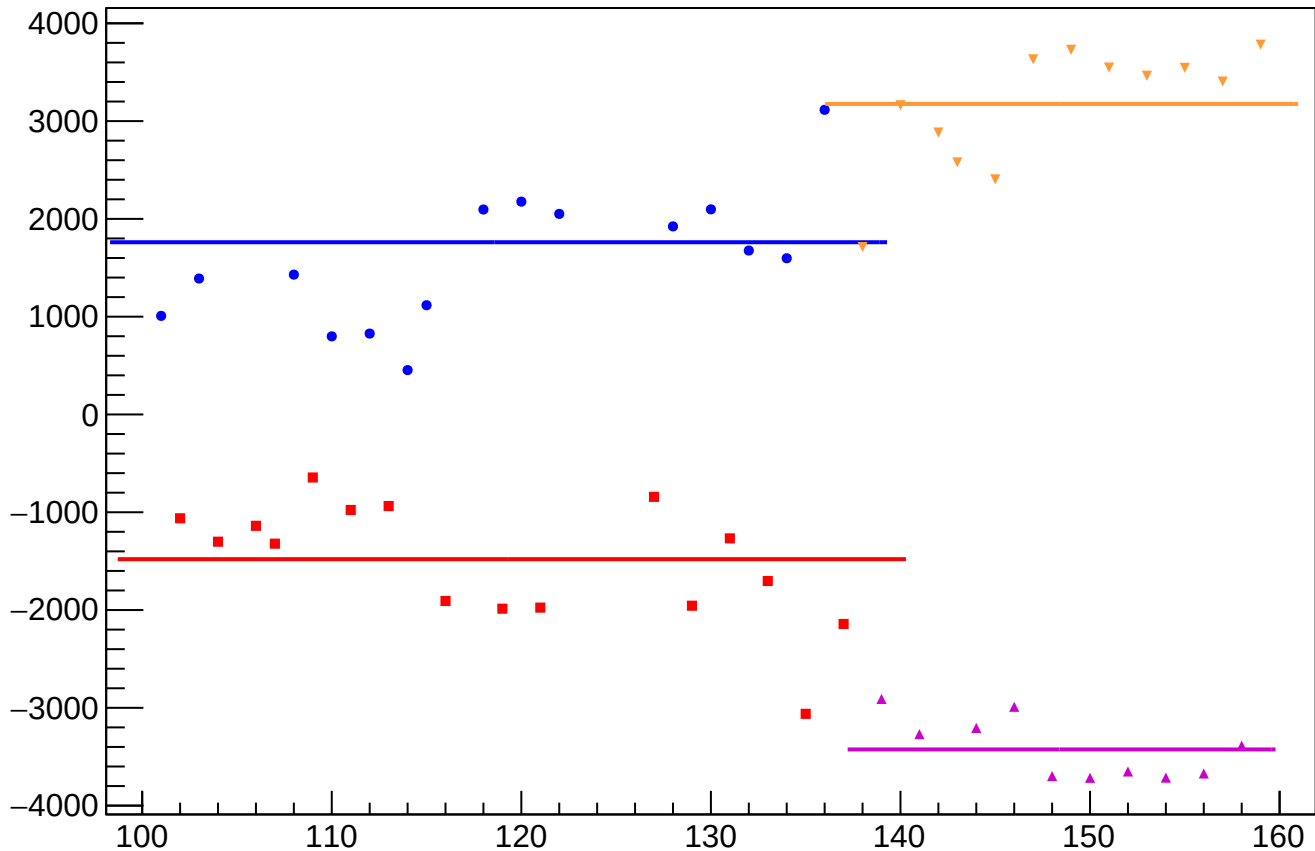
All: -0.100+/-0.000 χ^2/NDF : 5166968959867

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: -1278.216+/-0.000 χ^2/NDF : 29565438458869811796359539499848433664.0/9
 All: 11.587+/-0.000 χ^2/NDF : 4295516832813

dit_sam8_coil3_mean vs Slug, Sign Corrected



Right In: 1761.245+/-0.000

χ^2/NDF : 332206925976055306953064744993096204288.0/14

Left Out: 3175.502+/-0.000

χ^2/NDF : 347291191980203589558827802227239813120.0/11

Right Out: -1479.801+/-0.000

χ^2/NDF : 263467768134780968832551238609236131840.0/15

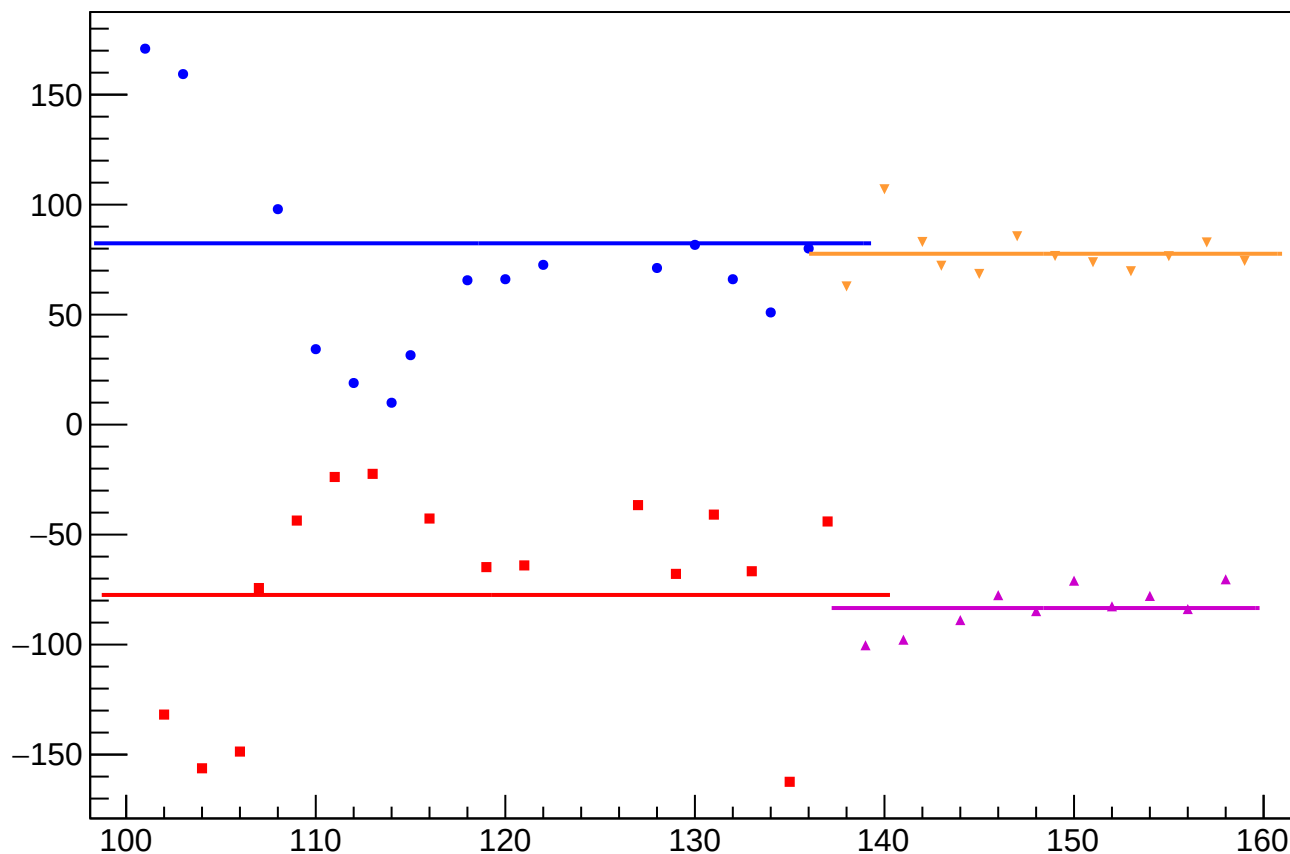
Left In: -3425.539+/-0.000

χ^2/NDF : 74469588059160346340432520849139957760.0/9

All: 50.681+/-0.000

χ^2/NDF : 2370433123359

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: -83.380+/-0.000

χ^2/NDF : 77146766380936896751317377055981568.0/9

Left: 0.199+/-0.000 χ^2/NDF : 116310332309337907

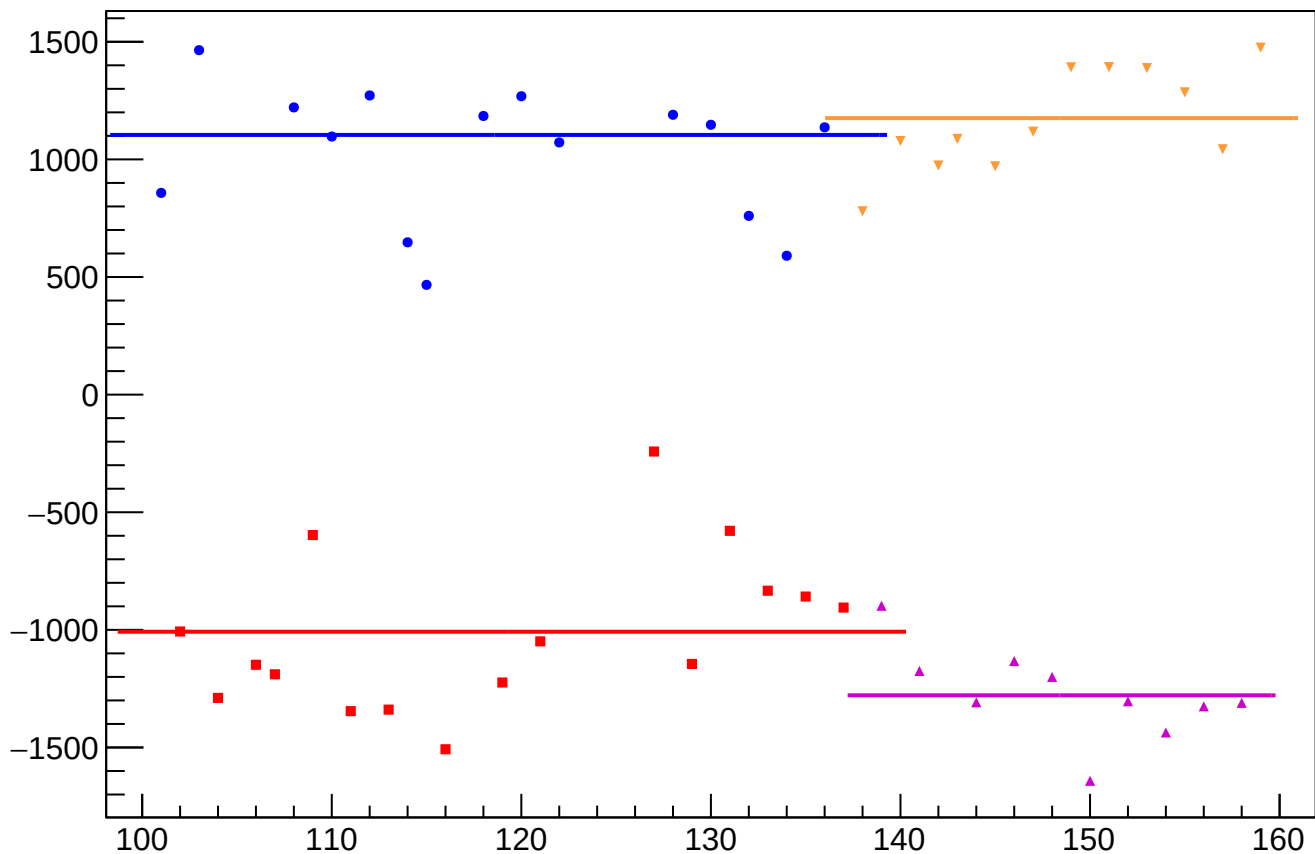
Right: 1.403+/-0.000 χ^2/NDF : 11184350671309506

In: -11.595+/-0.000 χ^2/NDF : 11457534533642272

Out: 12.361+/-0.000 χ^2/NDF : 10916957349010543

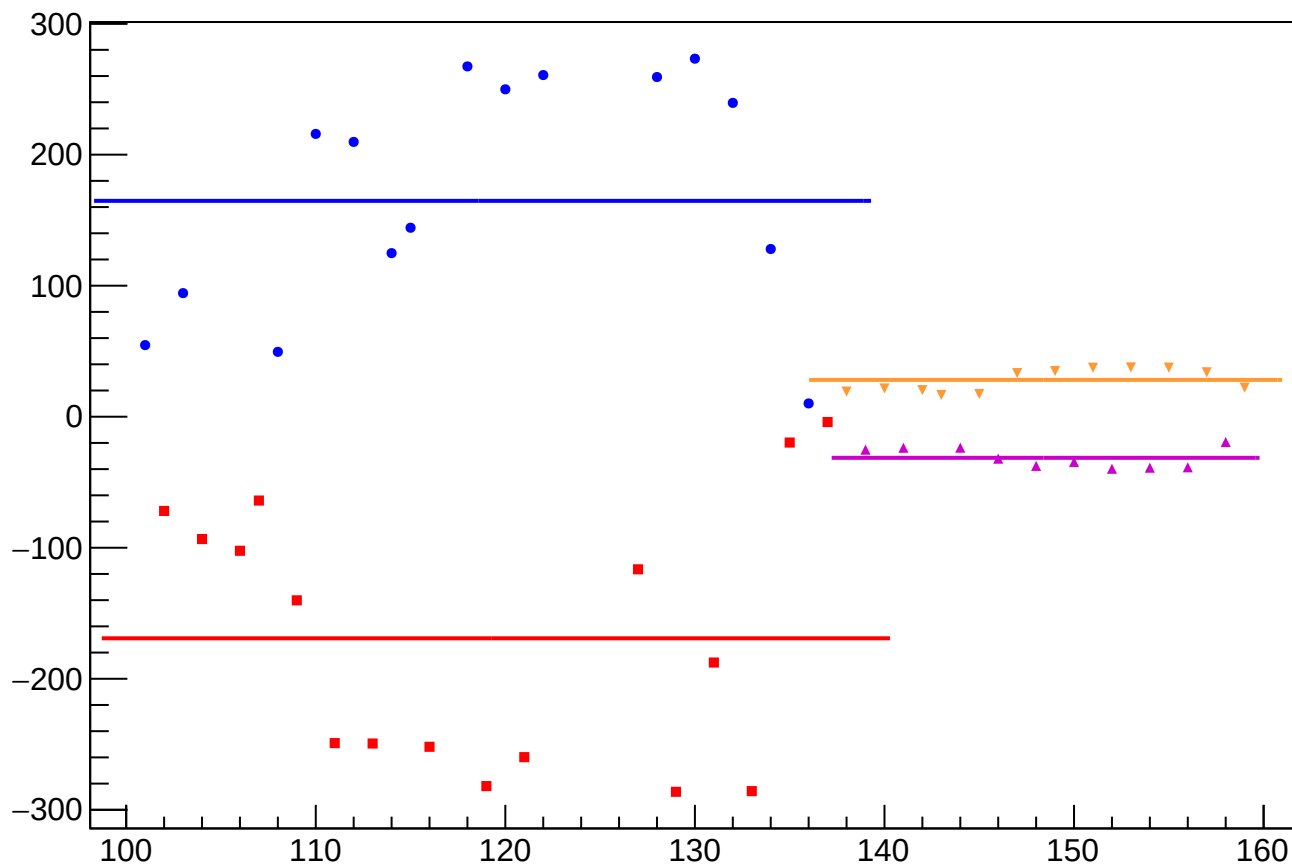
All: 0.713+/-0.000 χ^2/NDF : 22816476107125

dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected



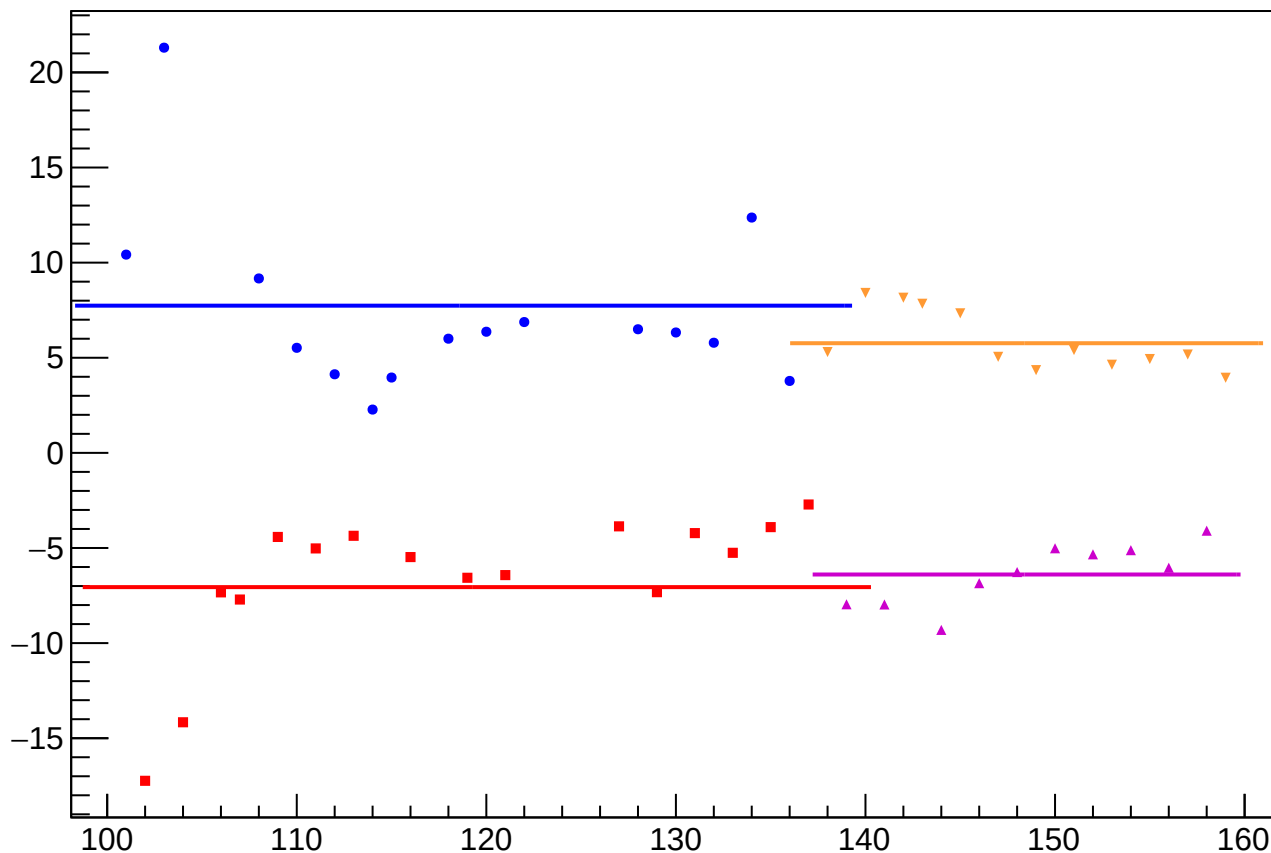
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1278.216 $\pm$ 0.000 χ^2 /NDF: 29565438458869811796359539499848433664.0/9
 All: 11.587 $\pm$ 0.000 χ^2 /NDF: 4295516832813

dit_4aX_coil7_mean vs Slug, Sign Corrected



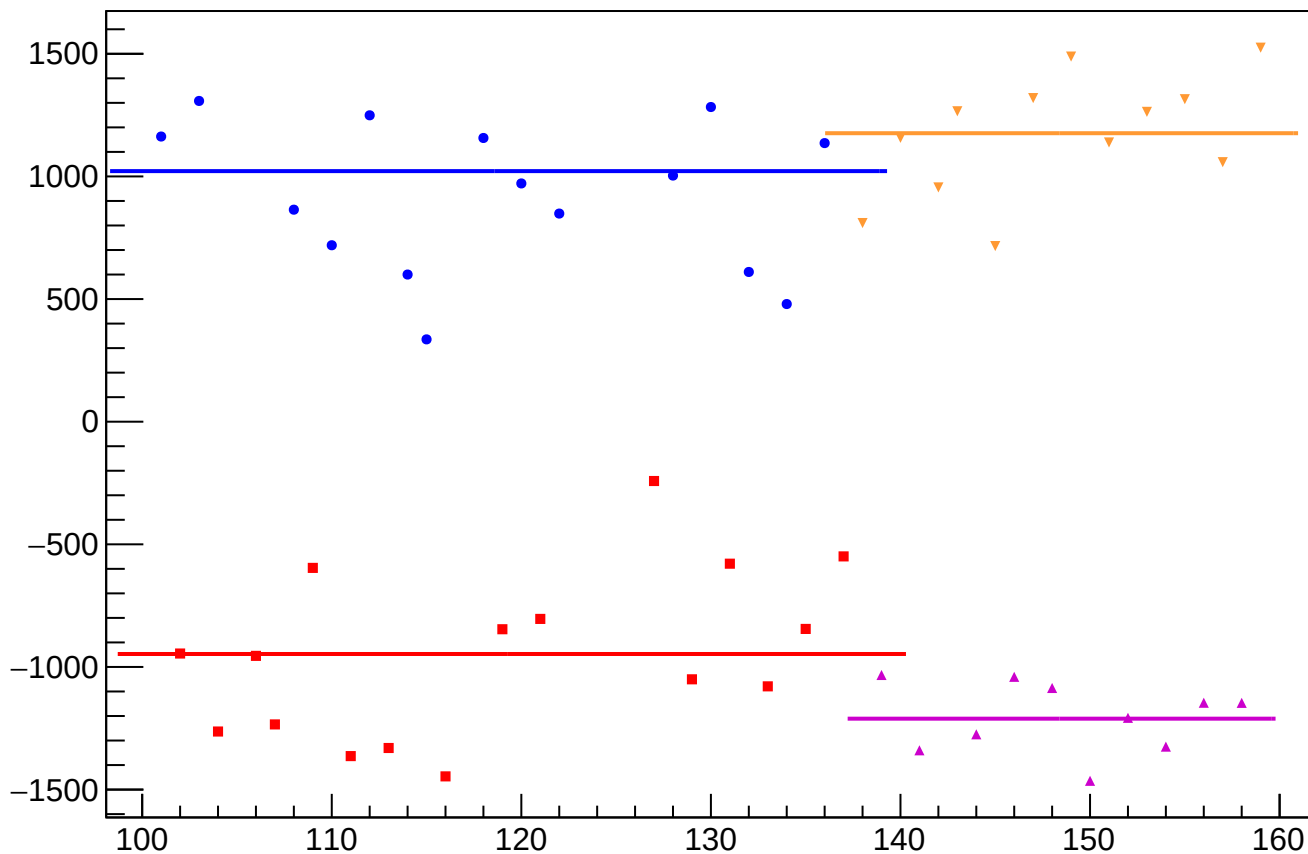
Left: -0.506 ± 0.000 $\chi^2/\text{NDF}: 16682167355751324$
 Right In: 164.752 ± 0.000 $\chi^2/\text{NDF}: 6369828943181833917425699916554960896.0/14$
 Left Out: 28.100 ± 0.000 $\chi^2/\text{NDF}: 63517357309911090447070669792346112.0/11$
 Right Out: -169.108 ± 0.000 $\chi^2/\text{NDF}: 6040721802042936822766910687819071488.0/15$
 In: 53.543 ± 0.000 $\chi^2/\text{NDF}: 205693234610048976$
 Out: -54.941 ± 0.000 $\chi^2/\text{NDF}: 2112137881381696$
 Left In: -31.367 ± 0.000 $\chi^2/\text{NDF}: 44745032442414742136672566275735552.0/9$
 All: -2.194 ± 0.000 $\chi^2/\text{NDF}: 5075469574499$

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: -6.394+/-0.000 χ^2/NDF : 2038514848904406642405137966956544.0/9
 All: 0.054+/-0.000 χ^2/NDF : 16776256419690

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

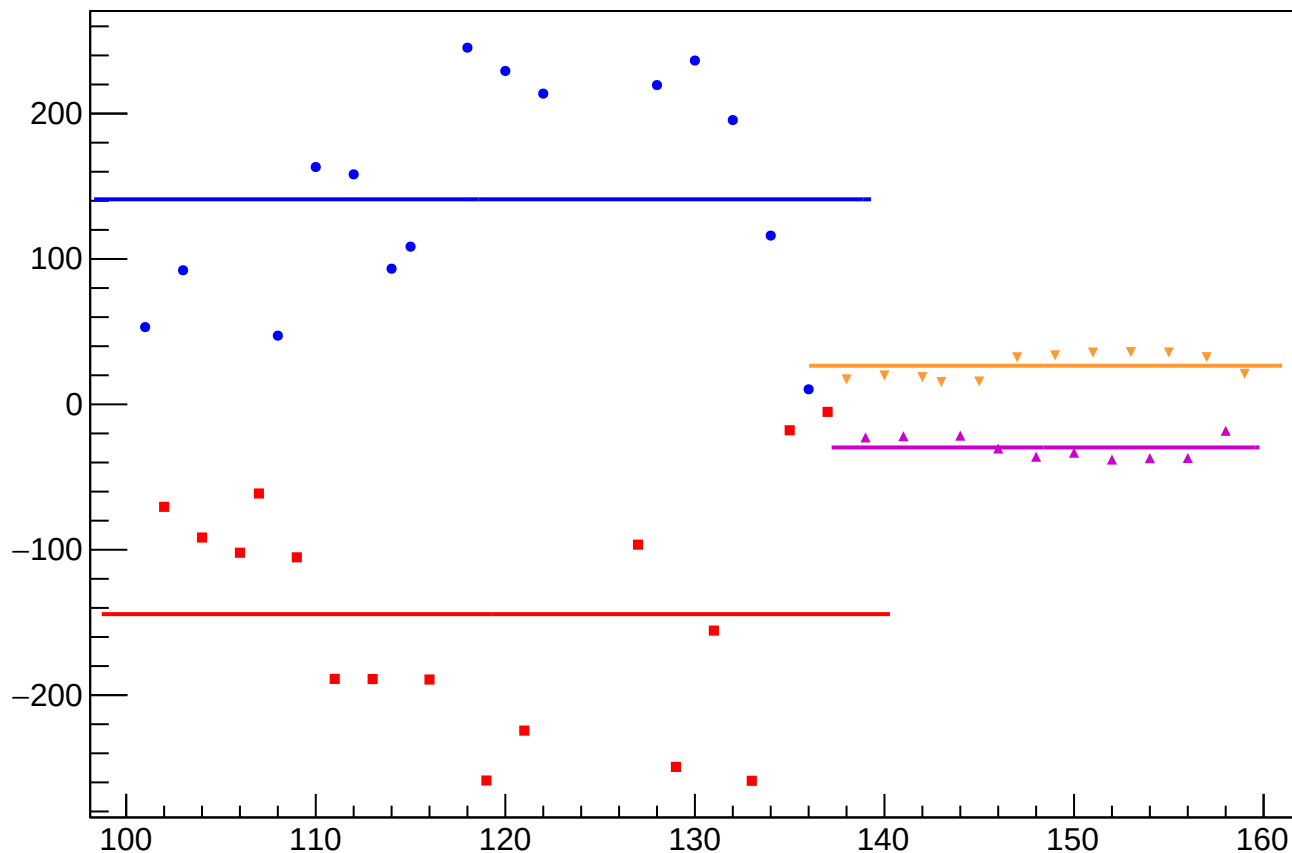
Left In: -1210.862+/-0.000

χ^2/NDF : 15749271183228525581810721748649246720.0/9

All: 26.178+/-0.000

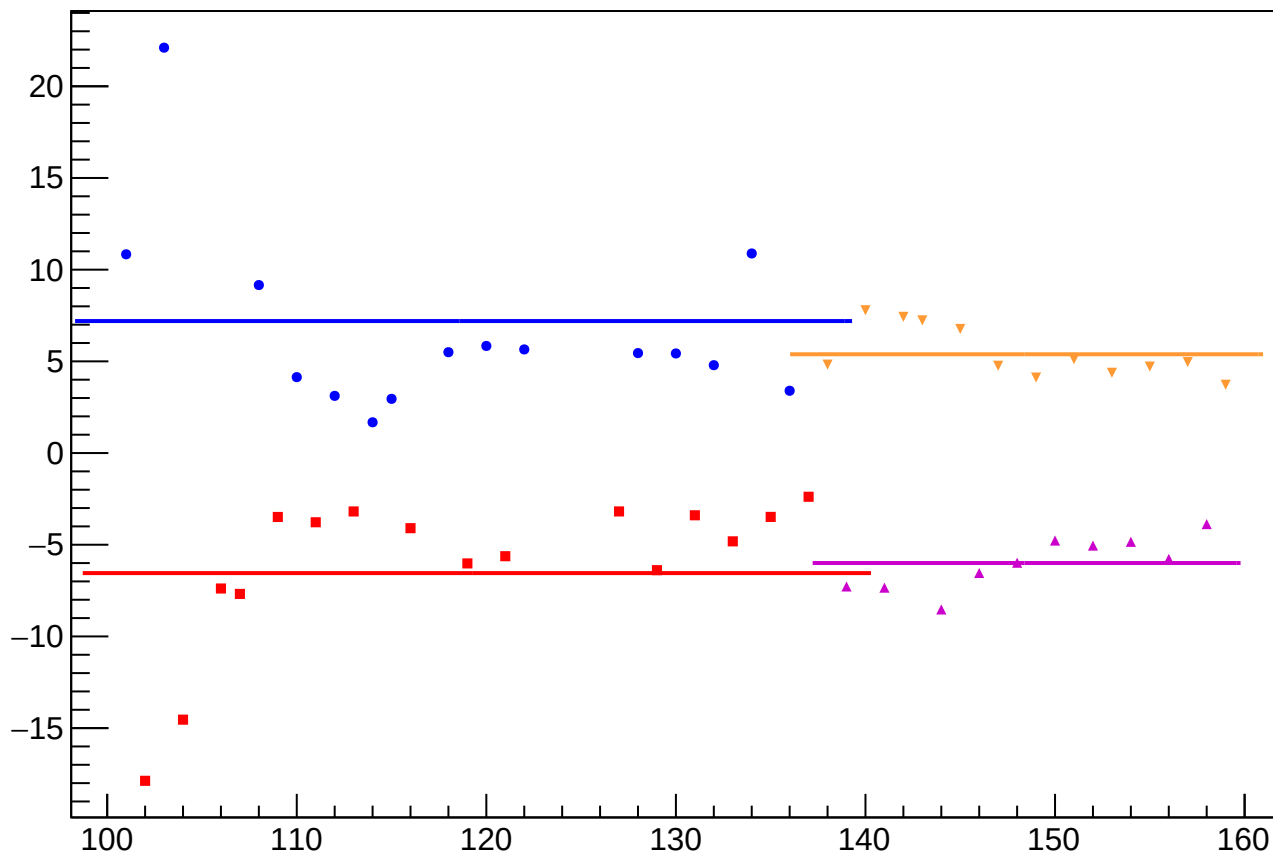
χ^2/NDF : 3966046926053

dit_4eX_coil7_mean vs Slug, Sign Corrected



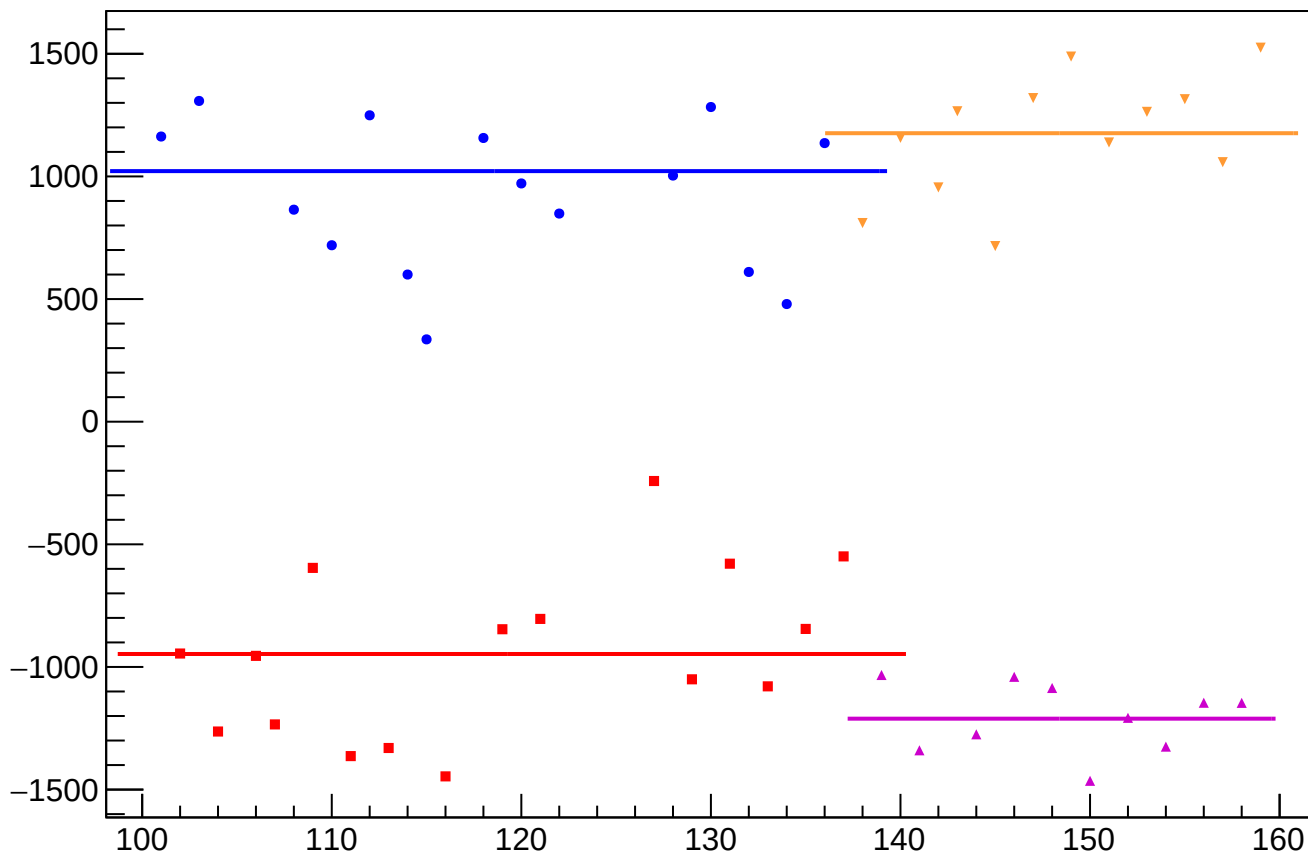
Left: -0.463 ± 0.000 $\chi^2/\text{NDF}: 15032594291493284$
 Right In: 141.032 ± 0.000 $\chi^2/\text{NDF}: 4507992585512923332587415612245934080.0/14$
 Left Out: 26.582 ± 0.000 $\chi^2/\text{NDF}: 63880546932393658050614652141830144.0/11$
 Right Out: -144.283 ± 0.000 $\chi^2/\text{NDF}: 4268333571517740886065361663928827904.0/15$
 Left In: -29.639 ± 0.000 $\chi^2/\text{NDF}: 45136682300238871507119904496025600.0/9$
 All: -1.792 ± 0.000 $\chi^2/\text{NDF}: 3706396135662$

dit_4eX_coil7_err_mean vs Slug, Sign Corrected



Right In: 7.198 ± 0.000 χ^2/NDF : 18212640728502785337831966963138560.0/14
 Left Out: 5.387 ± 0.000 χ^2/NDF : 1602138249882478814835943843823616.0/11
 Right Out: -6.547 ± 0.000 χ^2/NDF : 14078912505116068936230809834094592.0/15
 Left In: -5.996 ± 0.000 χ^2/NDF : 1583933316299406278319565145374720.0/9
 All: 0.048 ± 0.000 χ^2/NDF : 15485041404430

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: -1210.862+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 15749271183228525581810721748649246720.0/9

Left: 27.946+/-0.000 χ^2/NDF : 25826954657218163

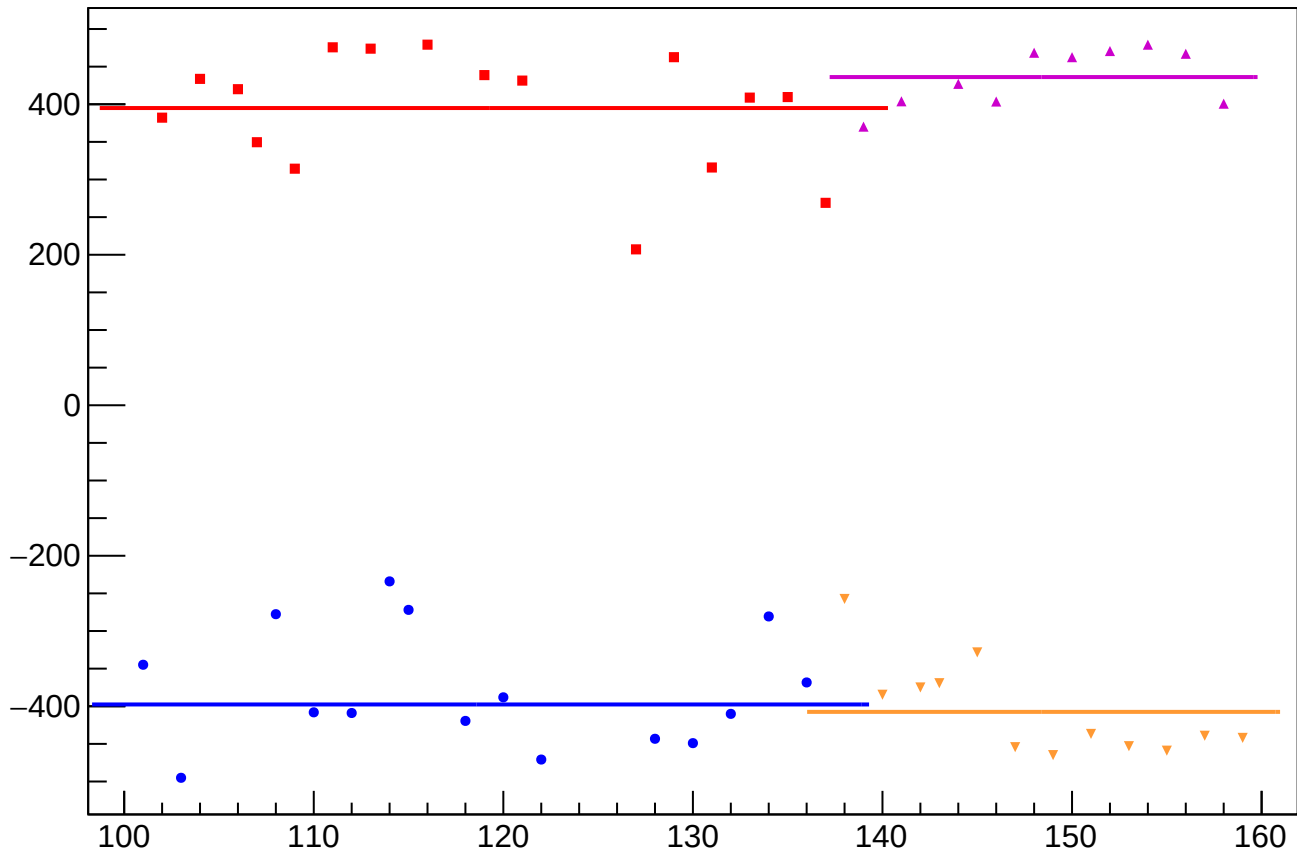
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -244.270+/-0.000 χ^2/NDF : 1890511300629015

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

All: 26.178+/-0.000 χ^2/NDF : 3966046926053

dit_11X12X_coil7_mean vs Slug, Sign Corrected



Right In: -397.613+/-0.000

χ^2/NDF : 2661280785384633207096106229474263040.0/14

Left Out: -407.457+/-0.000

χ^2/NDF : 3530254490804072685015705910637494272.0/11

Right Out: 394.973+/-0.000

χ^2/NDF : 3685595513427183501596165280874102784.0/15

Left In: 436.145+/-0.000

χ^2/NDF : 1132905396241584181970943908186685440.0/9

Left: -1.649+/-0.000 χ^2/NDF : 31858888829620924.0/14

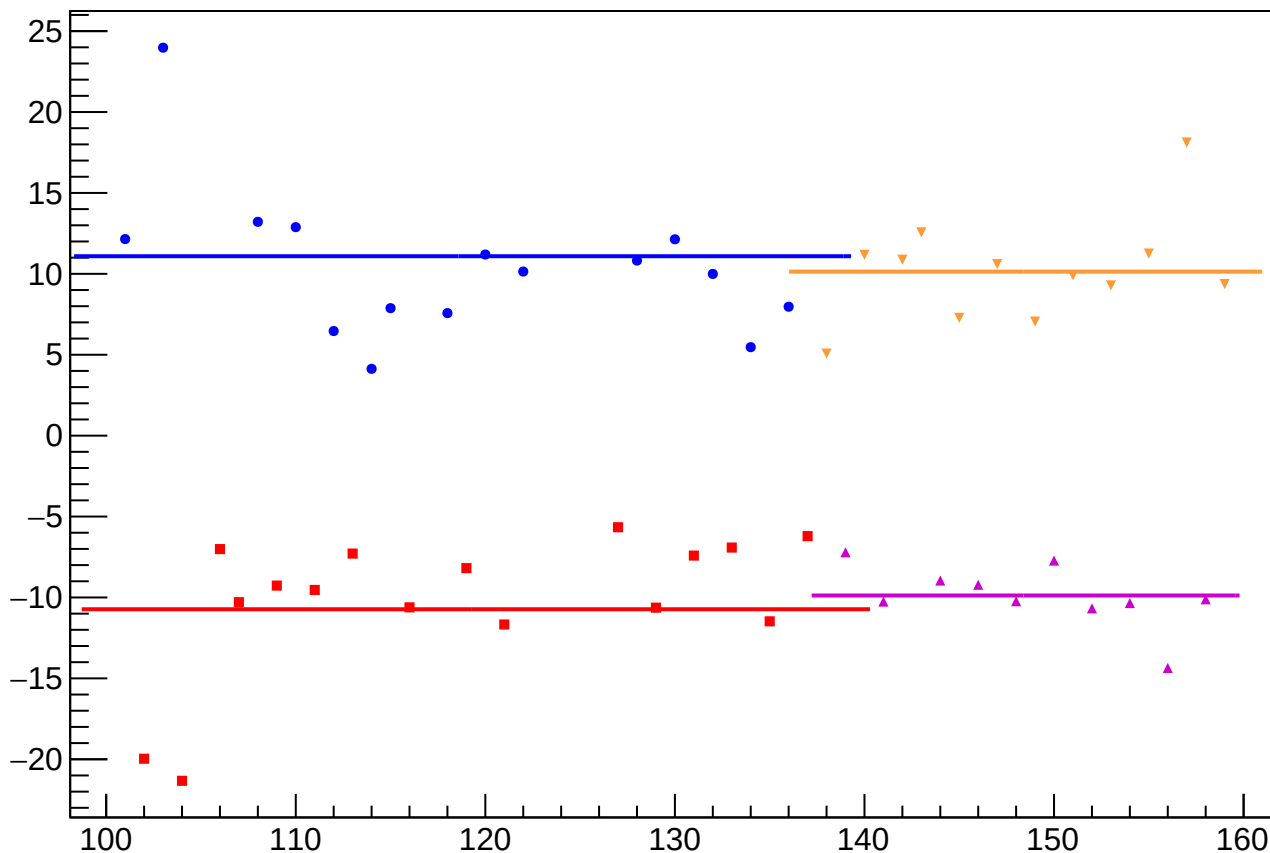
Right: 4.100+/-0.000 χ^2/NDF : 21298342988437283.0/14

In: 75.165+/-0.000 χ^2/NDF : 259618914110154449.0/14

Out: -69.565+/-0.000 χ^2/NDF : 2558458323075141.0/14

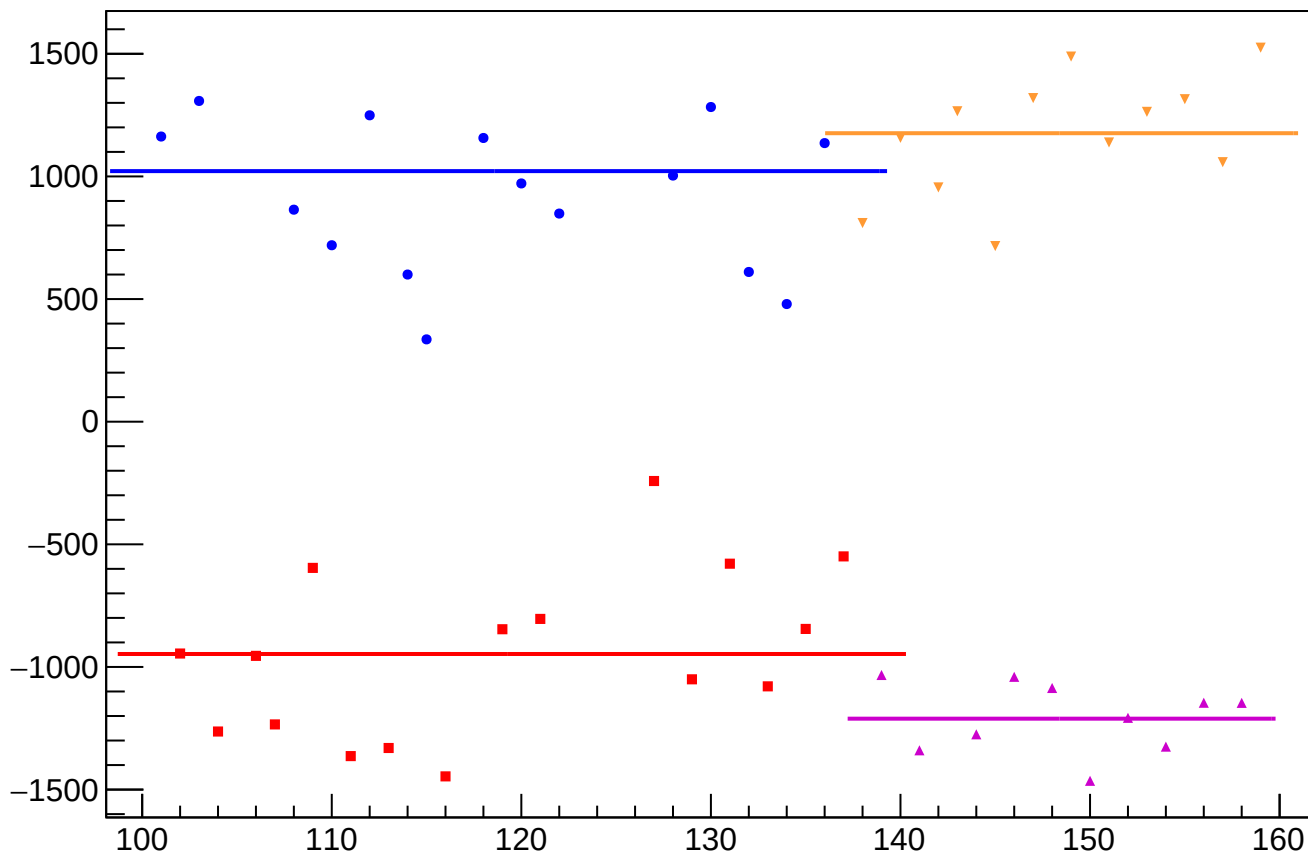
All: 0.805+/-0.000 χ^2/NDF : 53159725049572.0/56

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: -9.878 $\pm$ 0.000 χ^2 /NDF: 2818338704298161849216829503832064.0/9
 All: 0.305 $\pm$ 0.000 χ^2 /NDF: 3745045645315

dit_11X12X_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

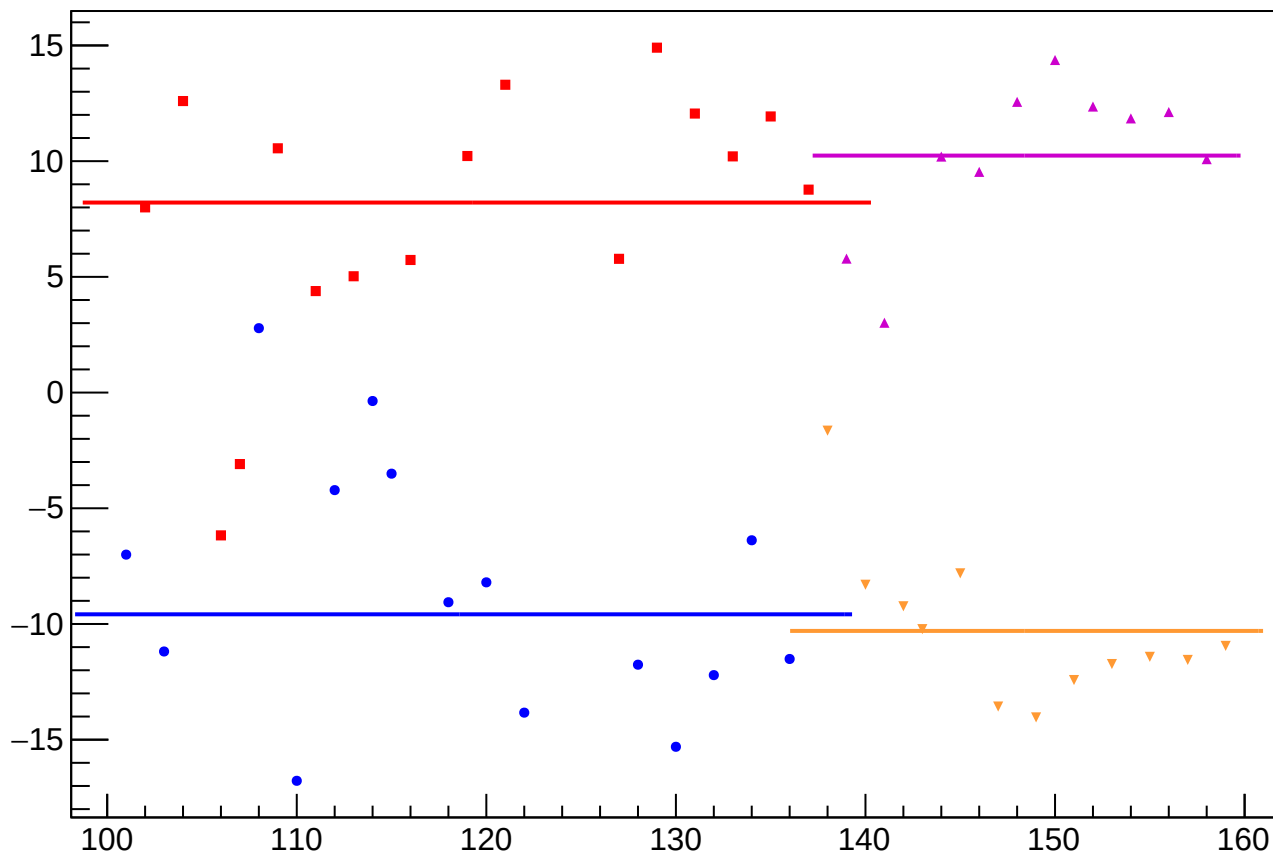
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1210.862+/-0.000

χ^2/NDF : 15749271183228525581810721748649246720.0/9

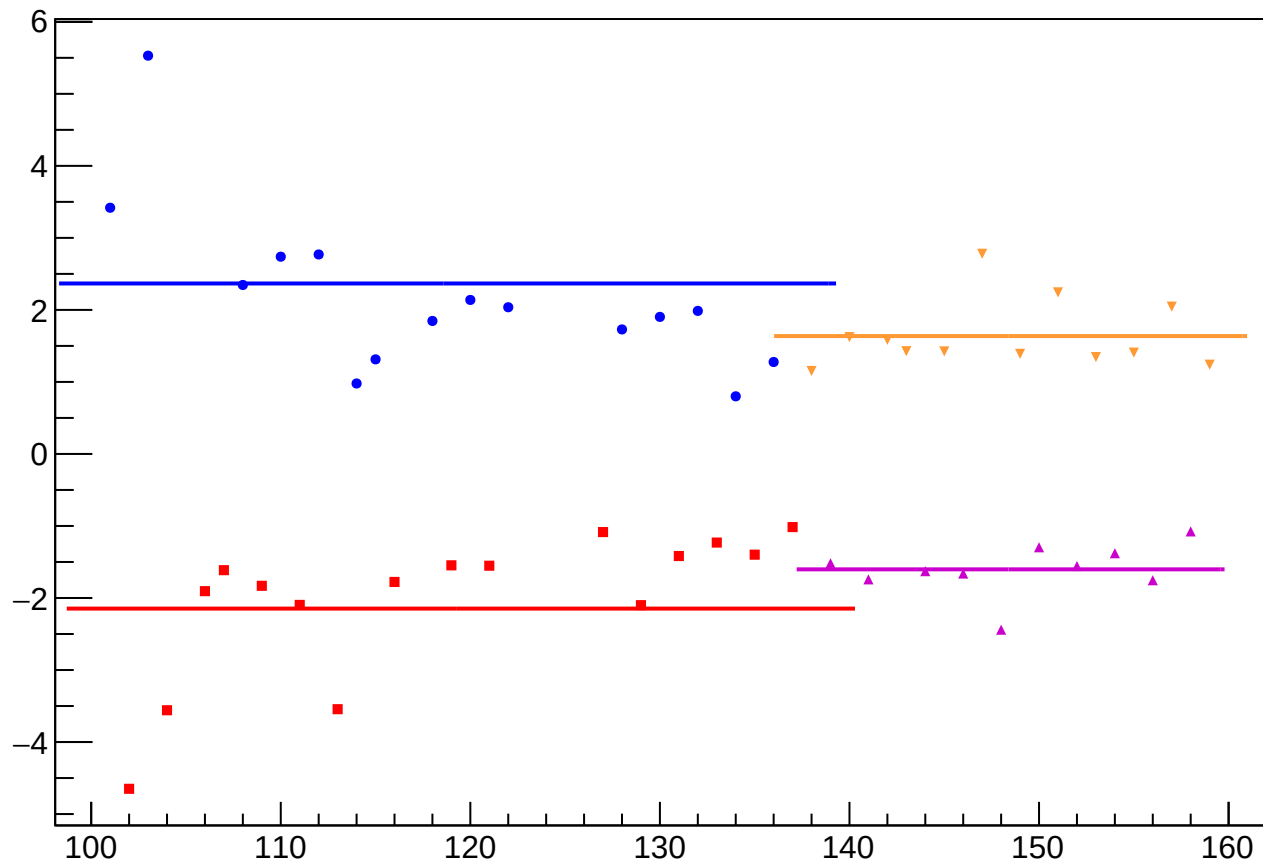
All: 26.178+/-0.000 χ^2/NDF : 3966046926053

dit_4aY_coil7_mean vs Slug, Sign Corrected



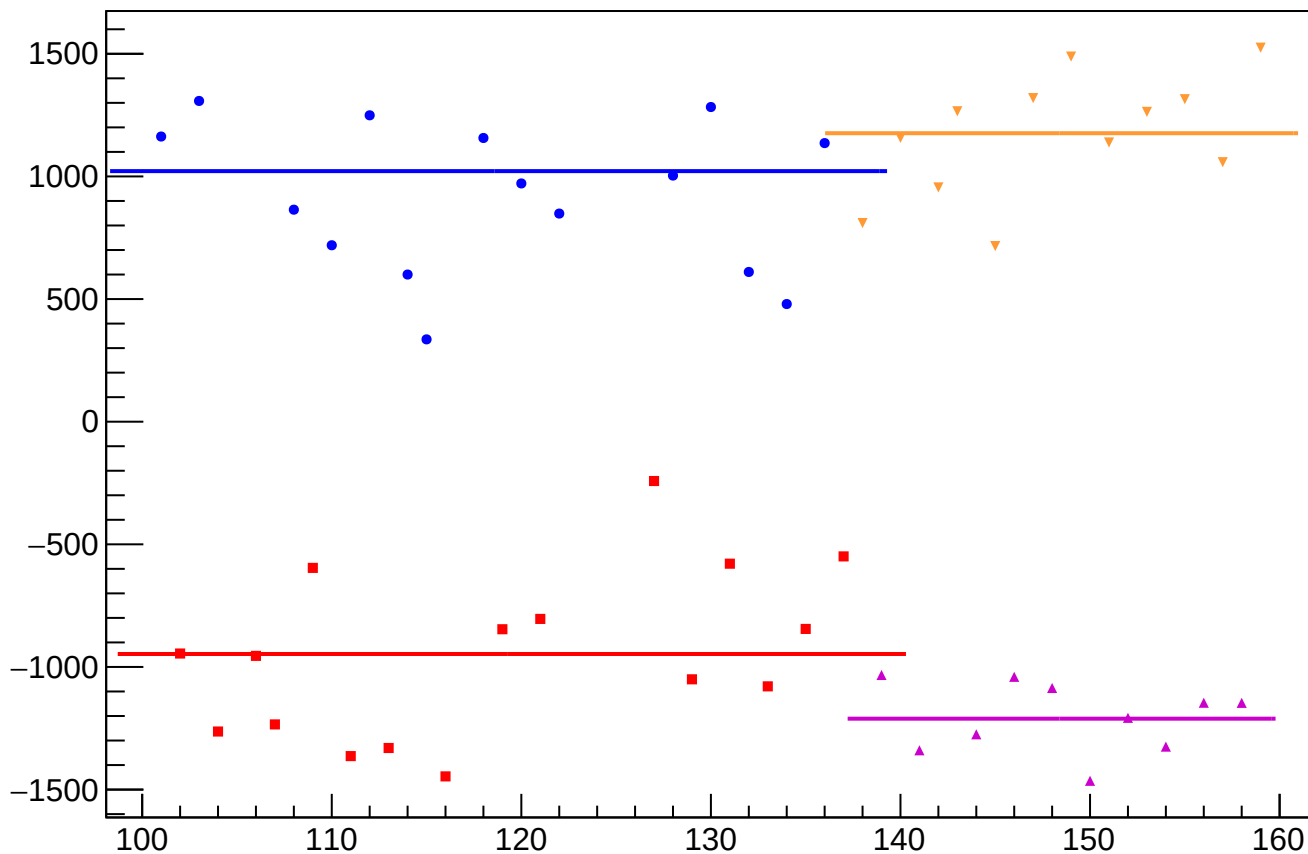
Right In: -9.582 ± 0.000 $\chi^2/\text{NDF}: 14702679983940002820806471963377664.0/14$
 Left Out: -10.300 ± 0.000 $\chi^2/\text{NDF}: 9506877601099056155644993577418752.0/11$
 Right Out: 8.211 ± 0.000 $\chi^2/\text{NDF}: 18304237293835961465605754204454912.0/15$
 Left In: 10.241 ± 0.000 $\chi^2/\text{NDF}: 899282135375545564904825120882688.0/9$
 All: -0.481 ± 0.000 $\chi^2/\text{NDF}: 3417727914426$

dit_4aY_coil7_err_mean vs Slug, Sign Corrected



Right In: 2.367 $\pm$ 0.000 χ^2 /NDF: 920633294546152876922066767446016.0/14
 Left Out: 1.637 $\pm$ 0.000 χ^2 /NDF: 197584846951597051944769289191424.0/11
 Right Out: -2.147 $\pm$ 0.000 χ^2 /NDF: 764171992480224478656127555338240.0/15
 Left In: -1.602 $\pm$ 0.000 χ^2 /NDF: 99065871829563554694375657177088.0/9
 All: 0.079 $\pm$ 0.000 χ^2 /NDF: 13312034020632

dit_4aY_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: -1210.862+/-0.000

χ^2/NDF : 15749271183228525581810721748649246720.0/9

Left: 27.946+/-0.000 χ^2/NDF : 25826954657218163

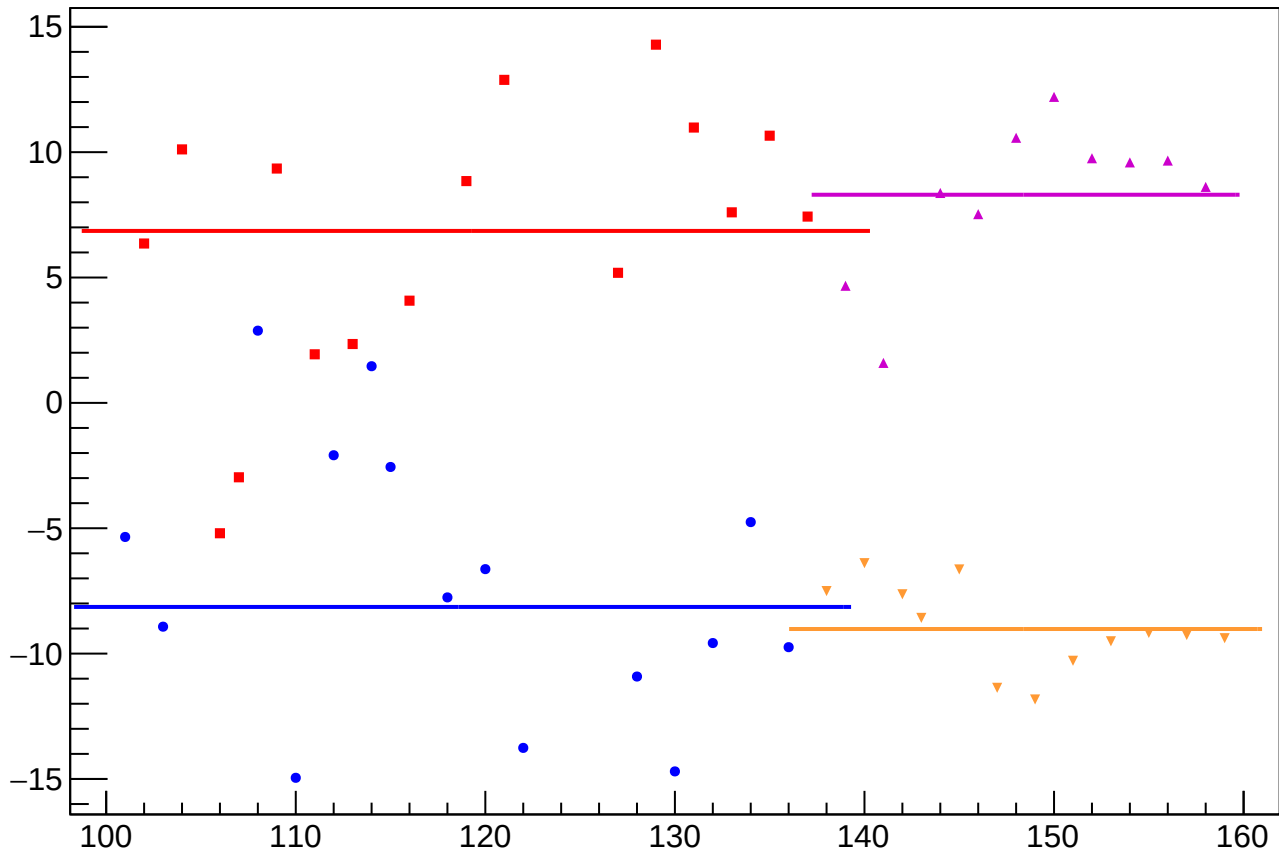
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -244.270+/-0.000 χ^2/NDF : 1890511300629015

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

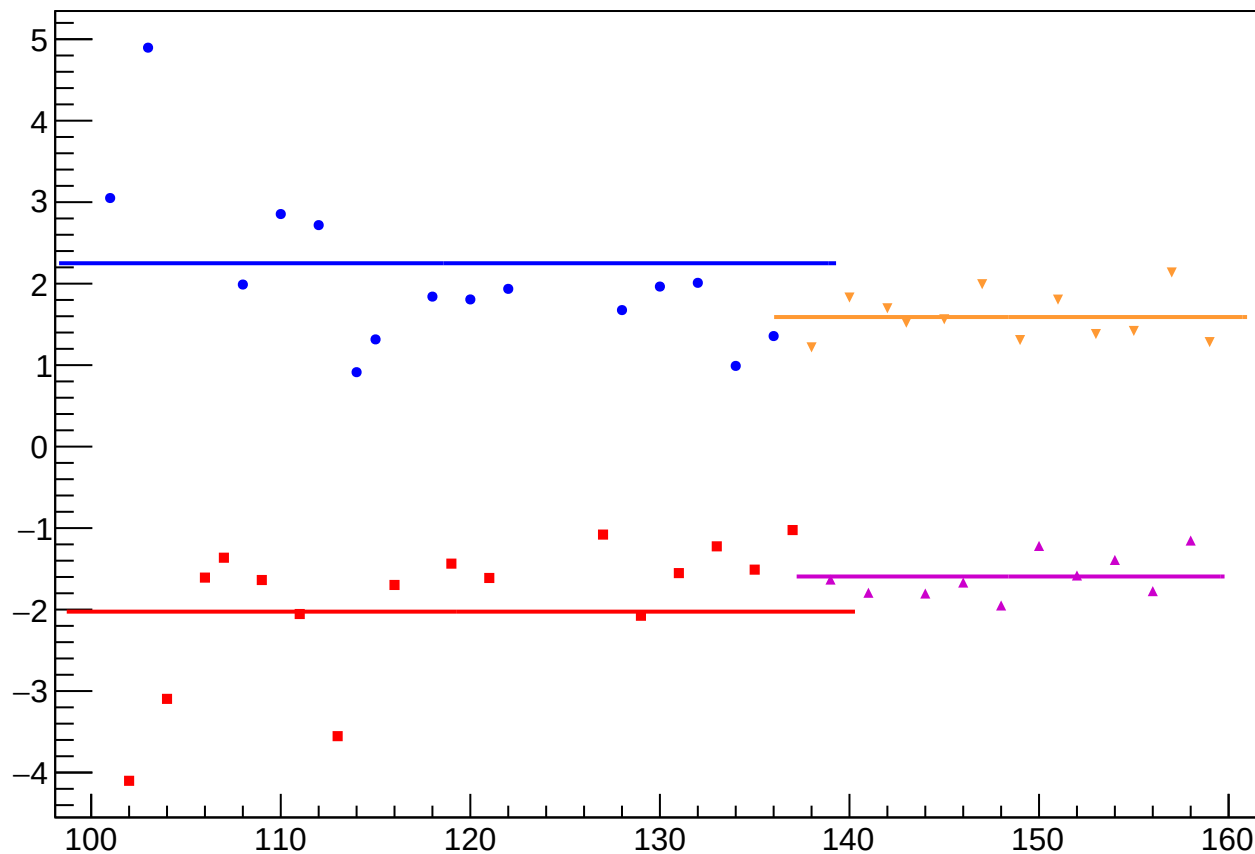
All: 26.178+/-0.000 χ^2/NDF : 3966046926053

dit_4eY_coil7_mean vs Slug, Sign Corrected



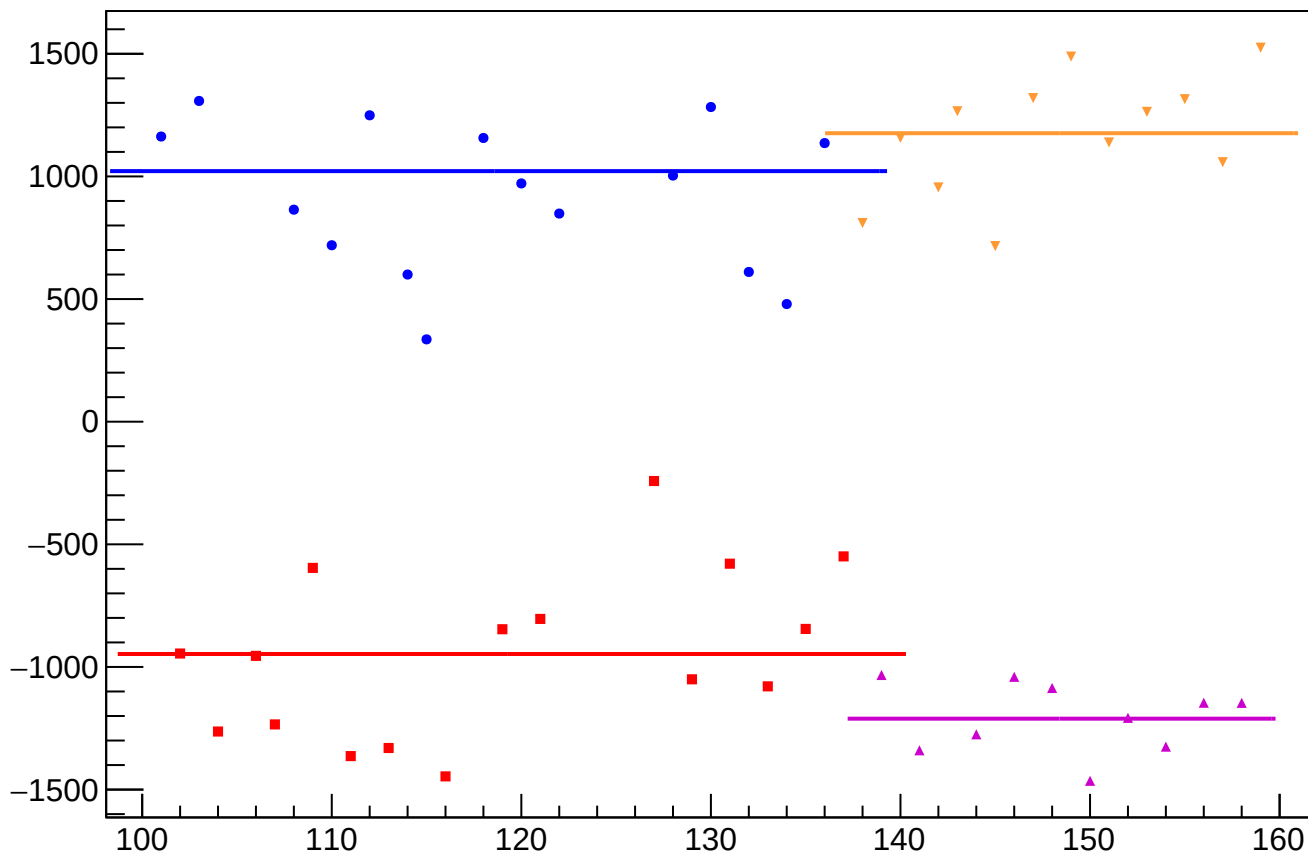
Right In: -8.139 ± 0.000 $\chi^2/\text{NDF}: 14676442649222120372533779893321728.0/14$
 Left Out: -9.019 ± 0.000 $\chi^2/\text{NDF}: 2556393635520144823493802684579840.0/11$
 Right Out: 6.859 ± 0.000 $\chi^2/\text{NDF}: 16483631561591790731352632153079808.0/15$
 Left In: 8.302 ± 0.000 $\chi^2/\text{NDF}: 7251000583069947323375141678743552.0/9$
 All: -0.623 ± 0.000 $\chi^2/\text{NDF}: 2473109595014$

dit_4eY_coil7_err_mean vs Slug, Sign Corrected



Right In: 2.250 ± 0.000 χ^2/NDF : 656774588136274816295442701090816.0/14
 Left Out: 1.590 ± 0.000 χ^2/NDF : 76554351114693669605218090745856.0/11
 Right Out: -2.025 ± 0.000 χ^2/NDF : 578717441762956454616505599918080.0/15
 Left In: -1.594 ± 0.000 χ^2/NDF : 53308010202392171579577013895168.0/9
 All: 0.069 ± 0.000 χ^2/NDF : 11851938724895

dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 $\pm$ 0.000

Left Out: 1176.242 $\pm$ 0.000

Right Out: -947.145 $\pm$ 0.000

Left In: -1210.862 $\pm$ 0.000

χ^2 /NDF: 40493101470870278397836276403592495104.0/14

χ^2 /NDF: 53355525796592022882385023198883217408.0/11

χ^2 /NDF: 67784656011936521511169668028018196480.0/15

χ^2 /NDF: 15749271183228525581810721748649246720.0/9

Left: 27.946 $\pm$ 0.000 χ^2 /NDF: 25826954657218163

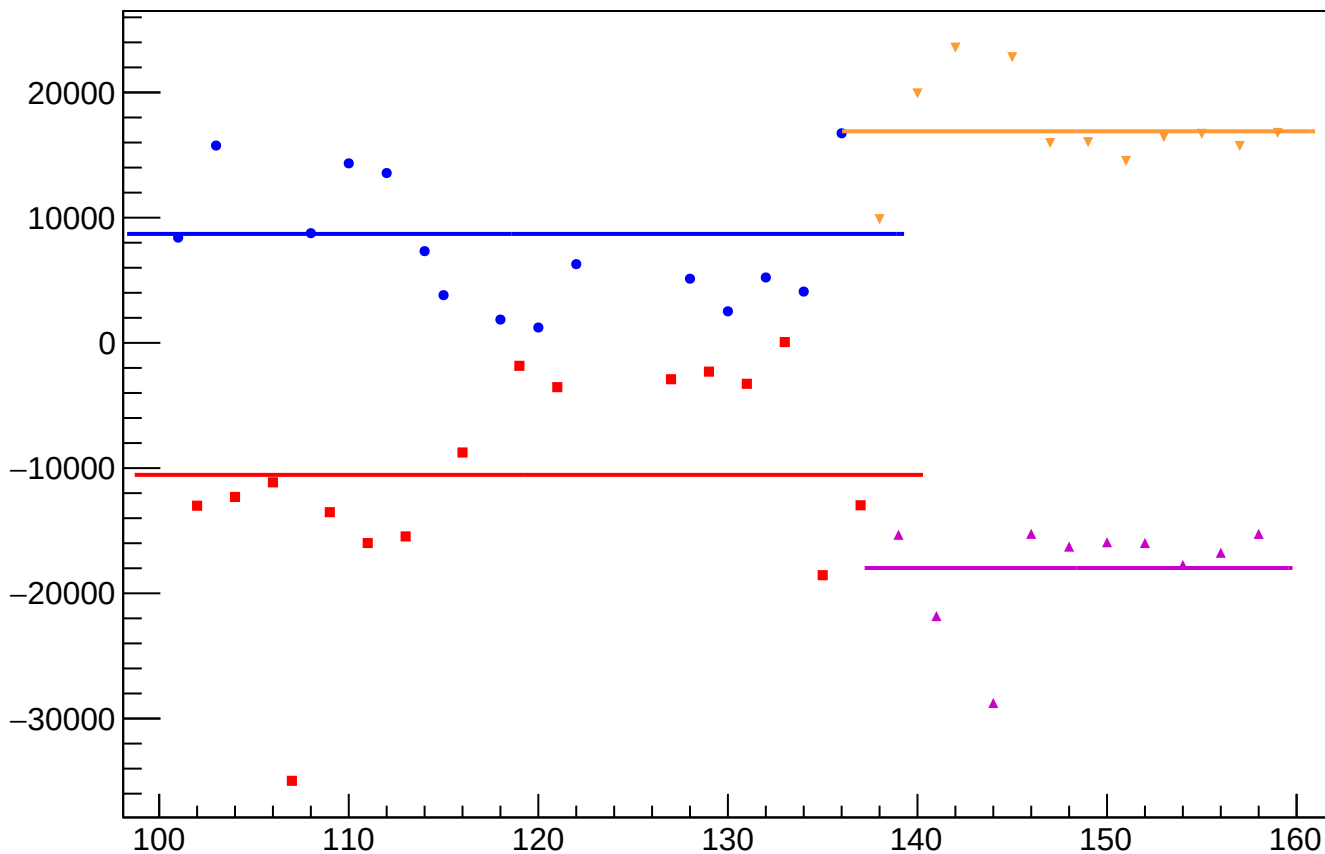
Right: 23.805 $\pm$ 0.000 χ^2 /NDF: 1383338523153511

In: -244.270 $\pm$ 0.000 χ^2 /NDF: 1890511300629015

Out: 282.114 $\pm$ 0.000 χ^2 /NDF: 1862139150205248

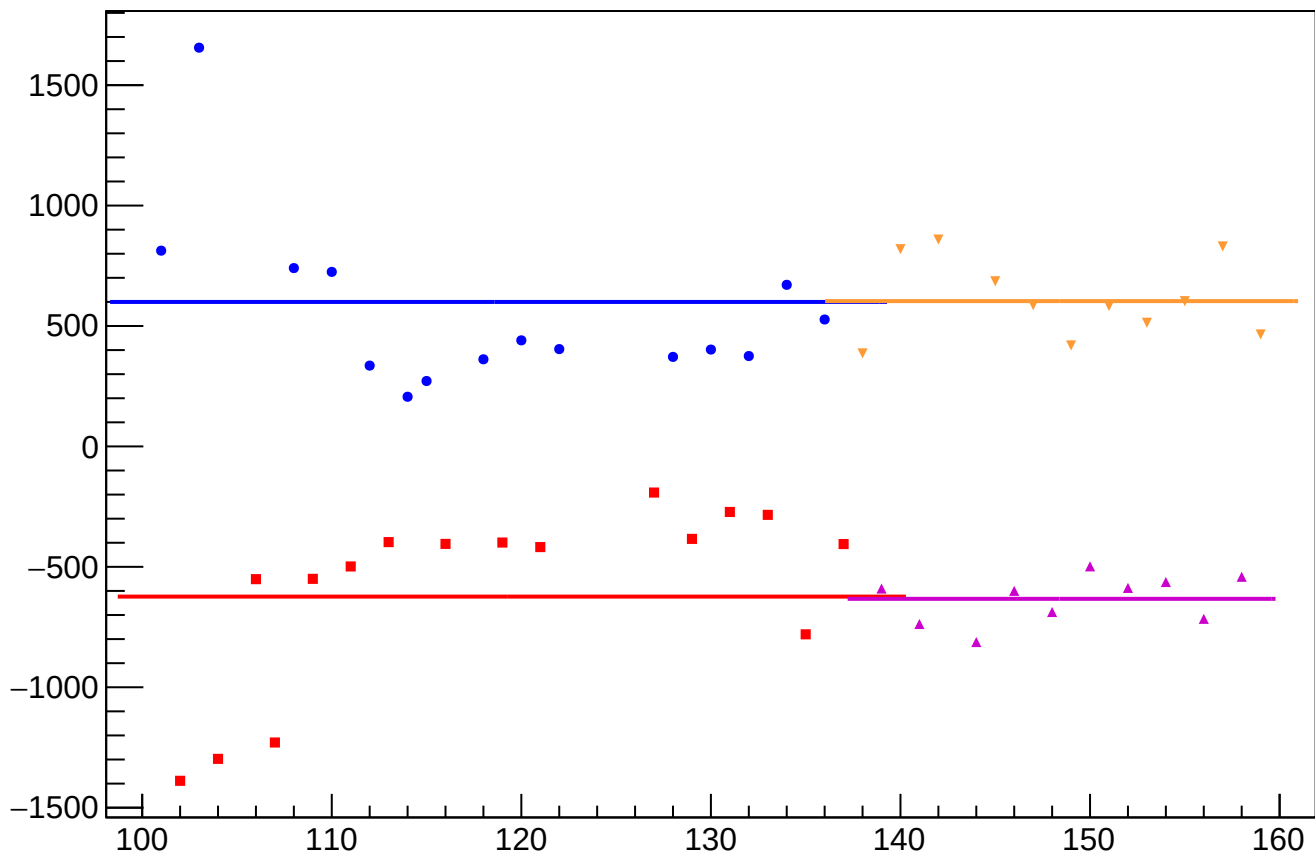
All: 26.178 $\pm$ 0.000 χ^2 /NDF: 3966046926053

dit_usl_coil7_mean vs Slug, Sign Corrected



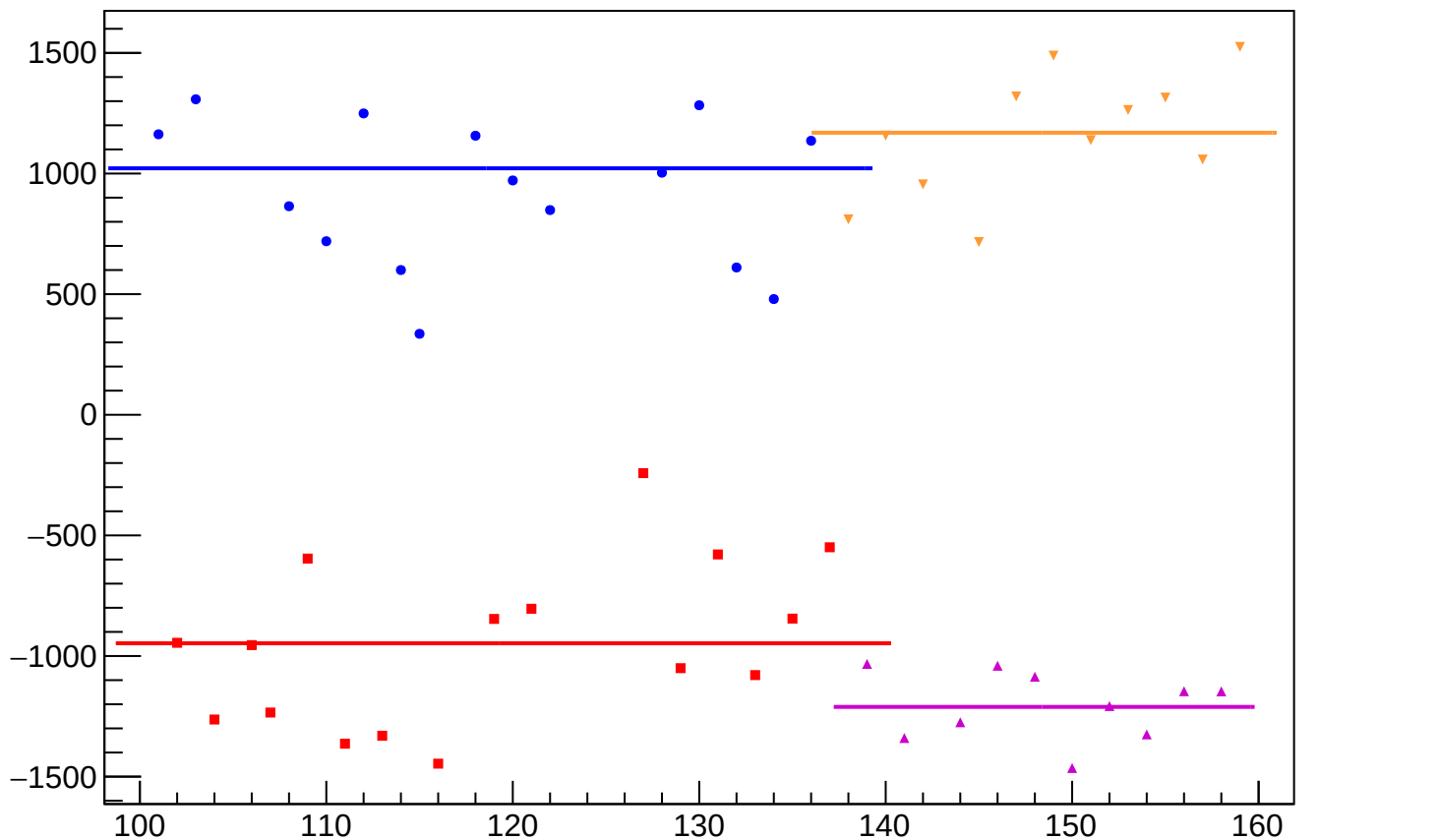
Left: -539.814+/-0.000 χ^2/NDF : 541574720585463
 Right In: 8703.332+/-0.000 χ^2/NDF : 19501133067308426859536304500819191922688.0/14
 Left Out: 16897.725+/-0.000 χ^2/NDF : 10176252623828635713405692864230091390976.0/10
 Right Out: -10539.327+/-0.000 χ^2/NDF : 46226684227836109273394062569753758662656.0/15
 Left In: -17977.352+/-0.000 χ^2/NDF : 14483296743019180045452342456958819762176.0/9
 All: -762.252+/-0.000 χ^2/NDF : 72929461834

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: -632.802+/-0.000 χ^2/NDF : 7786764439691337251774383060435337216.0/9
 All: -17.135+/-0.000 χ^2/NDF : 136048314655

dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1169.193+/-0.000

Right Out: -947.145+/-0.000

Left In: -1210.862+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 52777446675178529289654408188899885056.0/10

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 15749271183228525581810721748649246720.0/9

Left: -20.835+/-0.000 χ^2/NDF : 2476008579157815

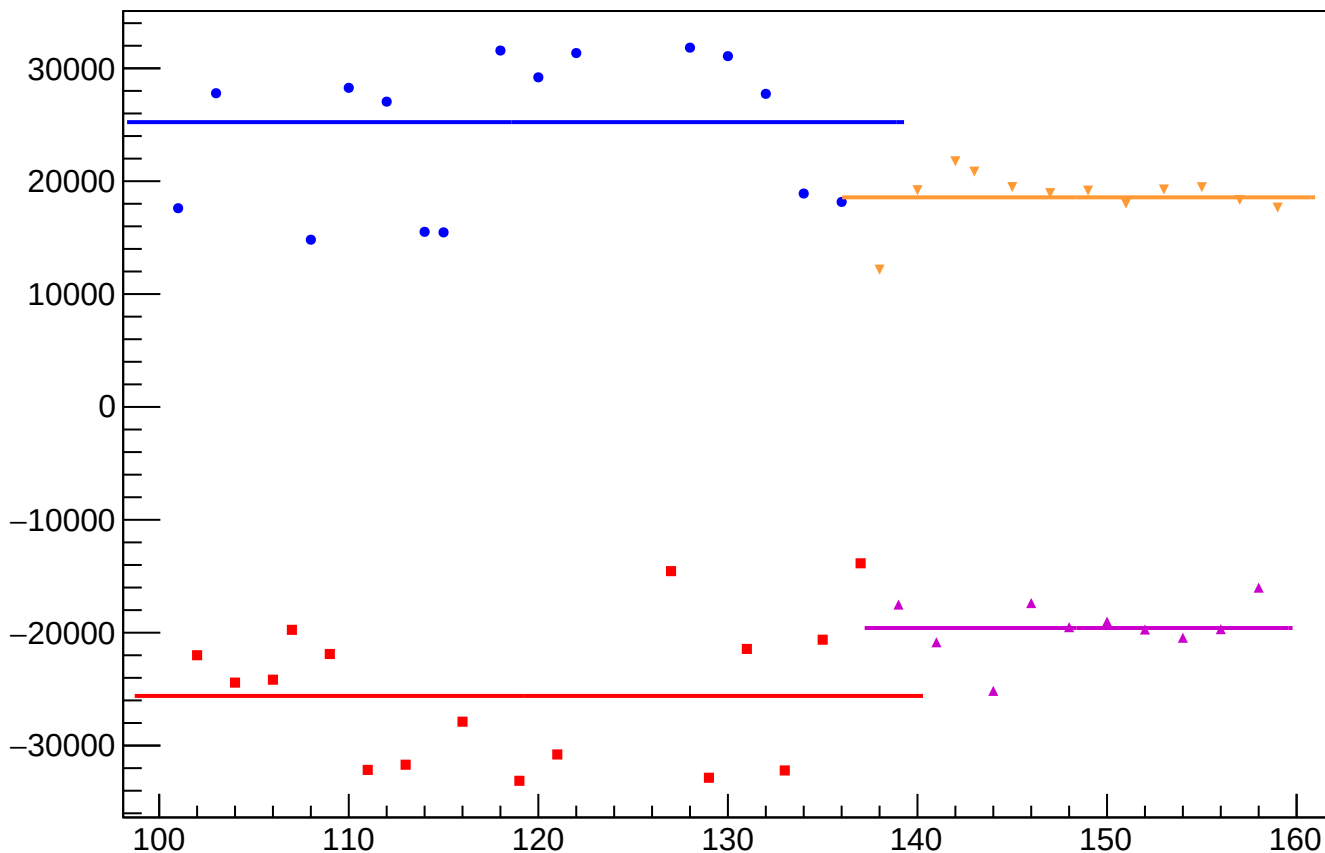
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -244.270+/-0.000 χ^2/NDF : 1890511300629015

Out: 238.674+/-0.000 χ^2/NDF : 1794461642916467

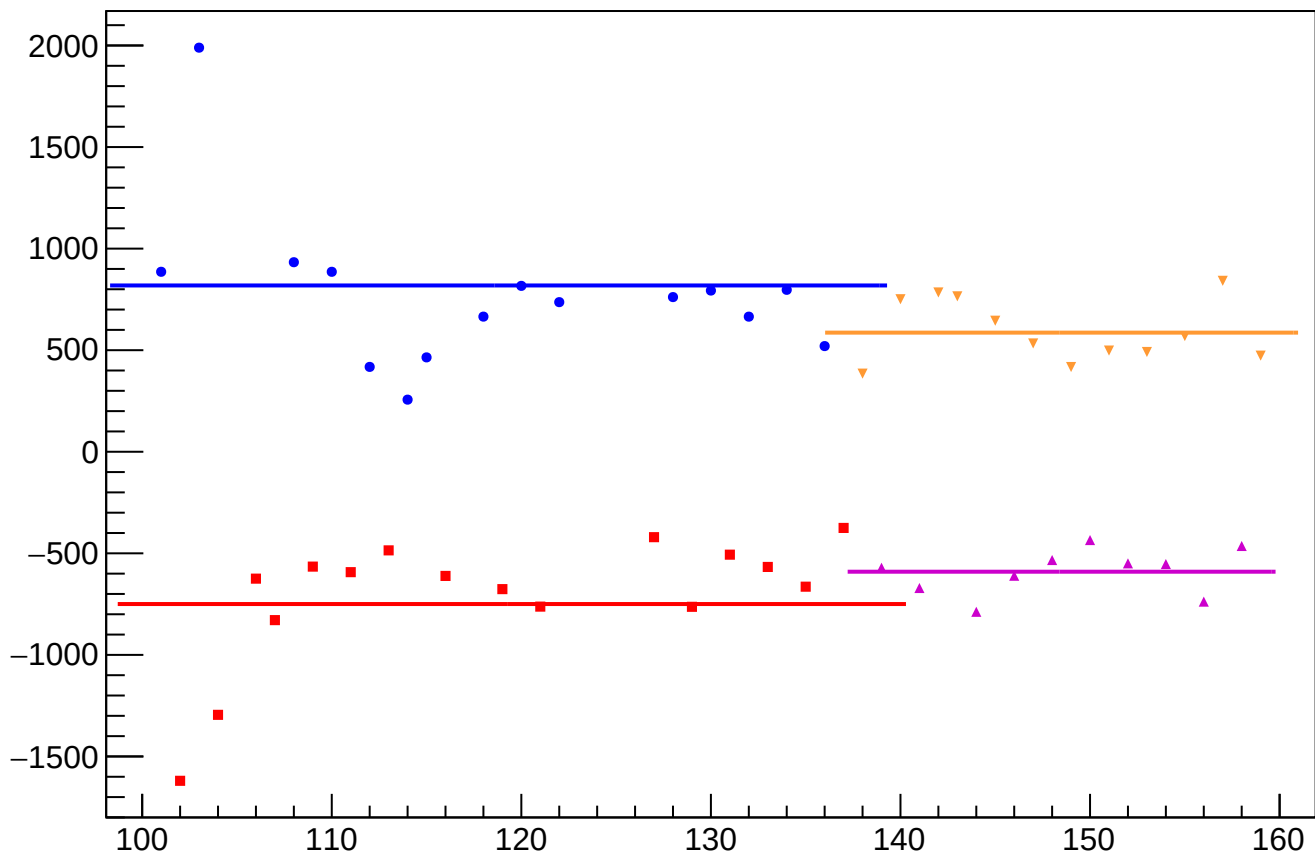
All: -1.357+/-0.000 χ^2/NDF : 3860825225070

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: -19584.273+/-0.000 χ^2/NDF : 4785181913774288839821946127903461736448.0/9
 All: -103.362+/-0.000 χ^2/NDF : 15505937316

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: -590.501 $\pm$ 0.000

χ^2 /NDF: 9869705477627151320874104728649203712.0/9

Left: 20.296 $\pm$ 0.000 χ^2 /NDF: 6407233588007484

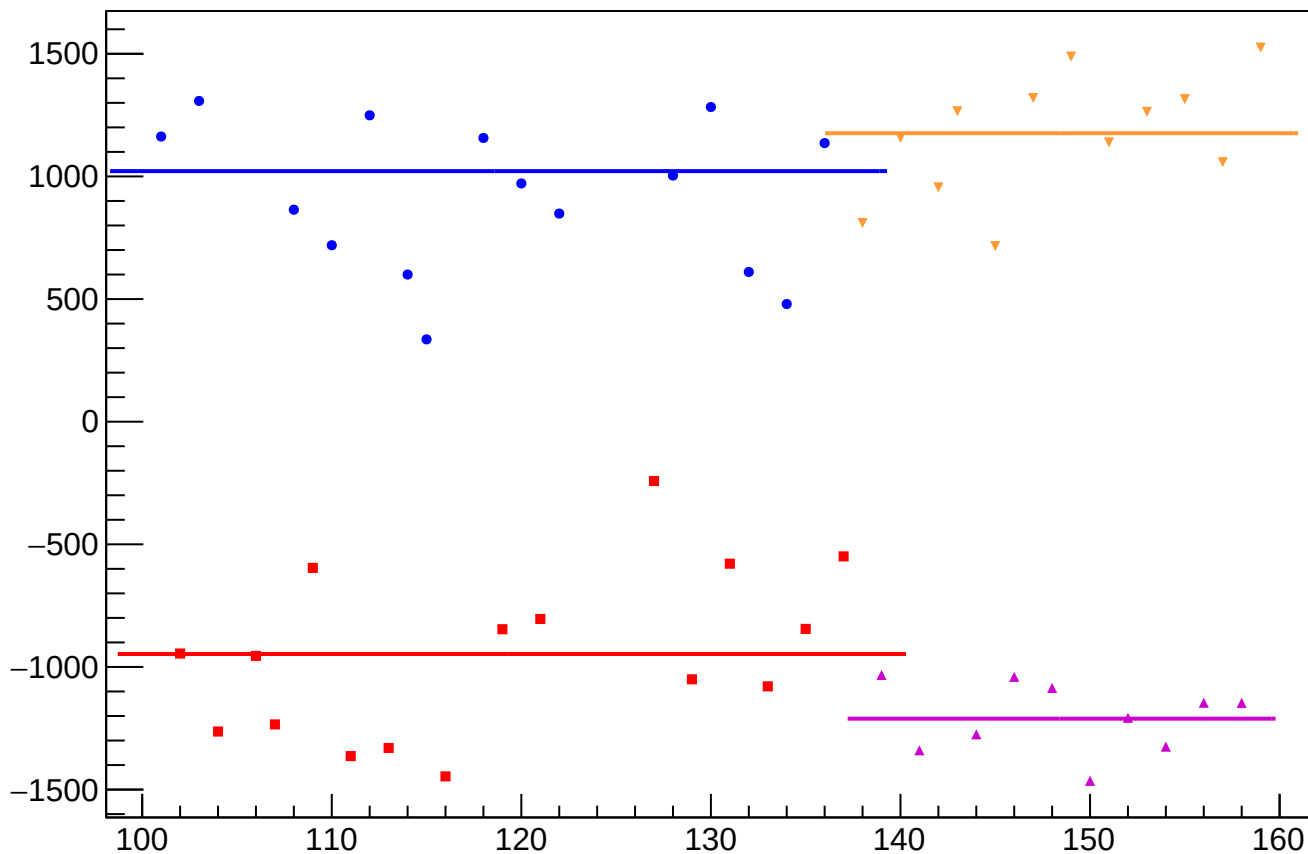
Right: 23.778 $\pm$ 0.000 χ^2 /NDF: 9926549473307925

In: 19.606 $\pm$ 0.000 χ^2 /NDF: 846258265977856216

Out: 23.842 $\pm$ 0.000 χ^2 /NDF: 78711536509326686

All: 21.782 $\pm$ 0.000 χ^2 /NDF: 1633387446264

dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 $\pm$ 0.000

Left Out: 1176.242 $\pm$ 0.000

Right Out: -947.145 $\pm$ 0.000

Left In: -1210.862 $\pm$ 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 15749271183228525581810721748649246720.0/9

Left: 27.946 $\pm$ 0.000 χ^2/NDF : 25826954657218163

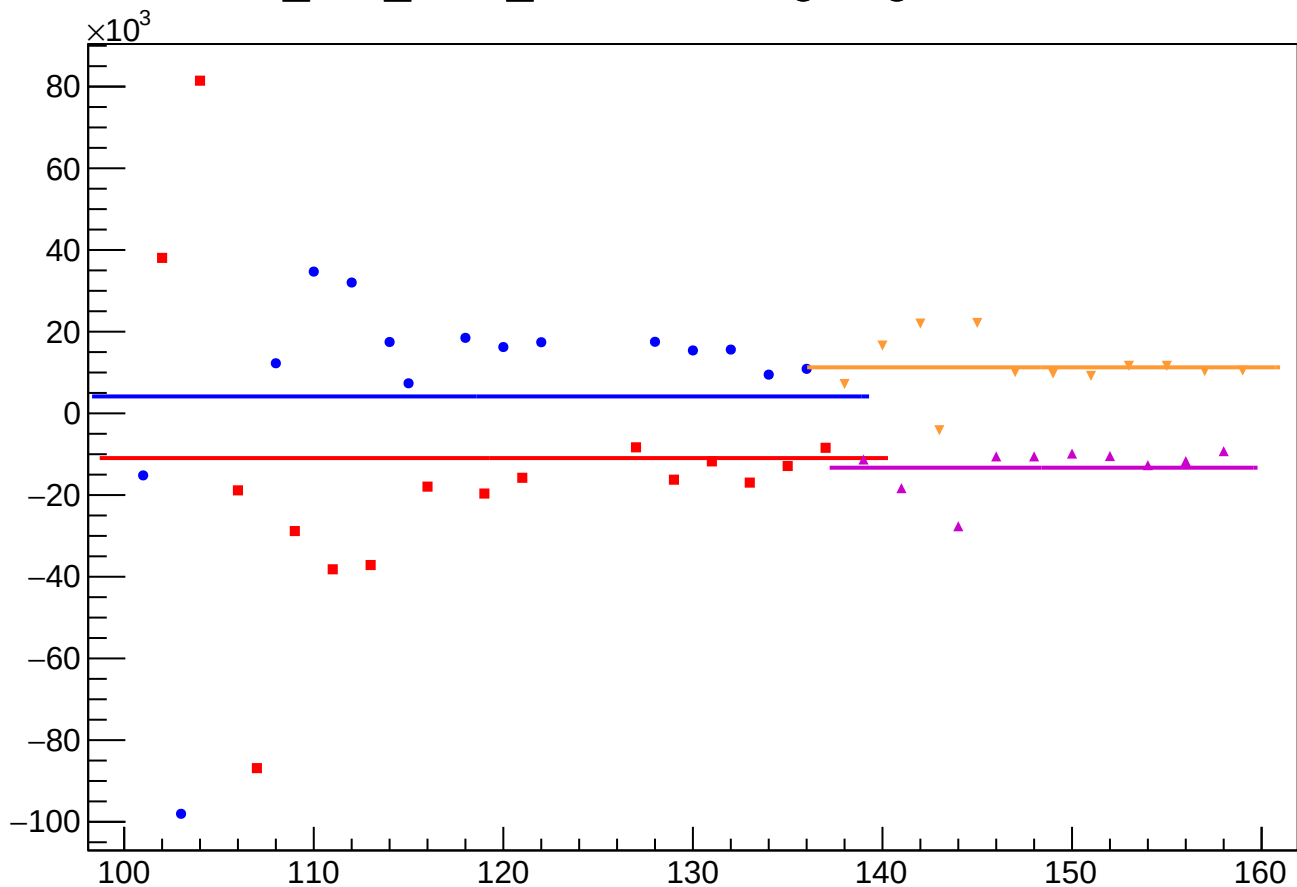
Right: 23.805 $\pm$ 0.000 χ^2/NDF : 1383338523153511

In: -244.270 $\pm$ 0.000 χ^2/NDF : 1890511300629015

Out: 282.114 $\pm$ 0.000 χ^2/NDF : 1862139150205248

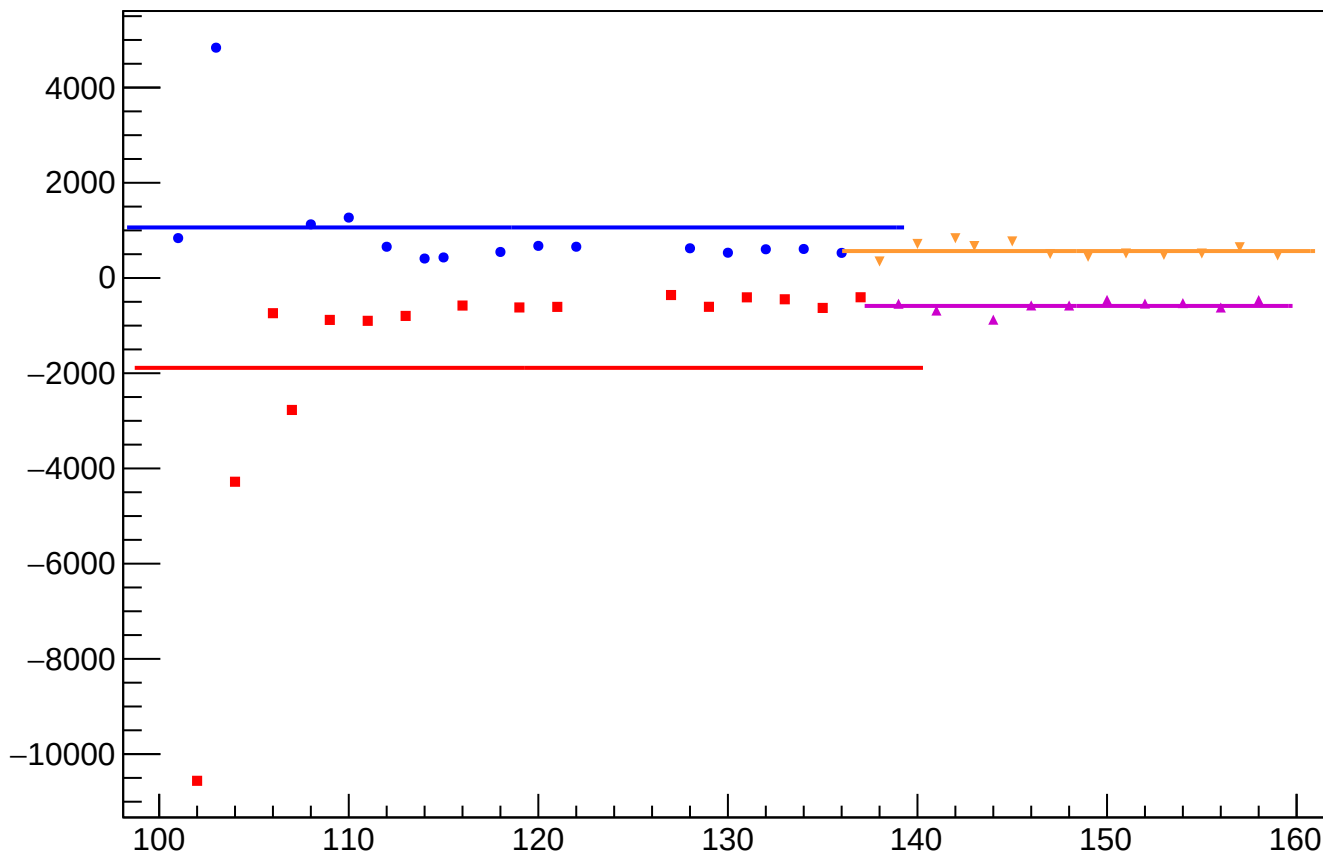
All: 26.178 $\pm$ 0.000 χ^2/NDF : 3966046926053

dit_atl1_coil7_mean vs Slug, Sign Corrected



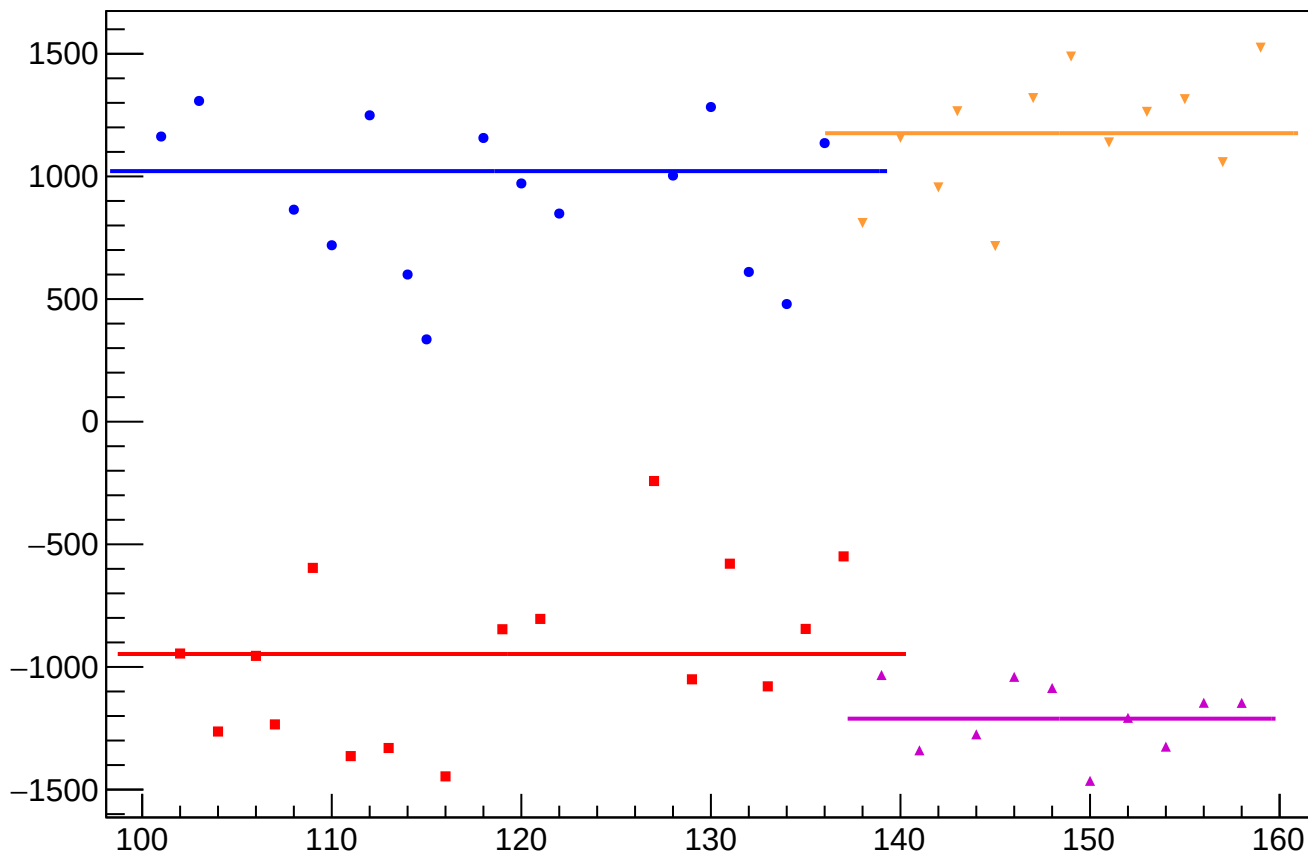
Right In: 4145.268+/-0.000 χ^2/NDF : 763693998395064689637972381933507648159744.0/14
 Left Out: 11270.779+/-0.000 χ^2/NDF : 35137043527033139065388759182682848493568.0/11
 Right Out: -10948.073+/-0.000 χ^2/NDF : 873949668510327201514601463115396191092736.0/15
 Left In: -13301.708+/-0.000 χ^2/NDF : 25396025277327814339420079069351689322496.0/9
 All: -1810.974+/-0.000 χ^2/NDF : 2046046438

dit_atl1_coil7_err_mean vs Slug, Sign Corrected



Left: 11.582 +/- 0.000 χ^2/NDF : 61402838935721497
 Right: -432.638 +/- 0.000 χ^2/NDF : 93397475225812
 In: 127.342 +/- 0.000 χ^2/NDF : 19646433496472338
 Out: -467.028 +/- 0.000 χ^2/NDF : 786589030895614
 All: -178.037 +/- 0.000 χ^2/NDF : 10102613869

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

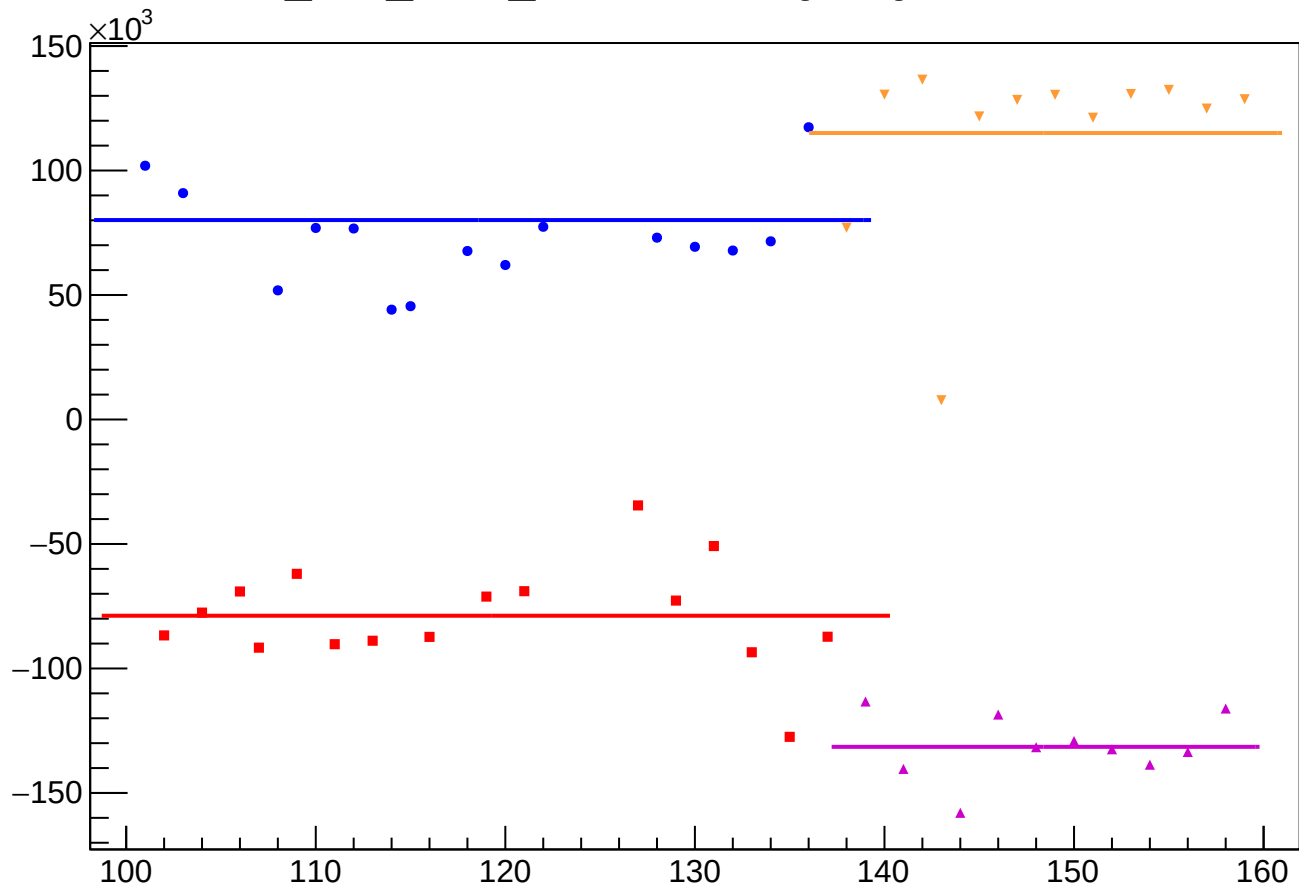
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1210.862 +/- 0.000

χ^2/NDF : 15749271183228525581810721748649246720.0/9

All: 26.178 +/- 0.000 χ^2/NDF : 3966046926053

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

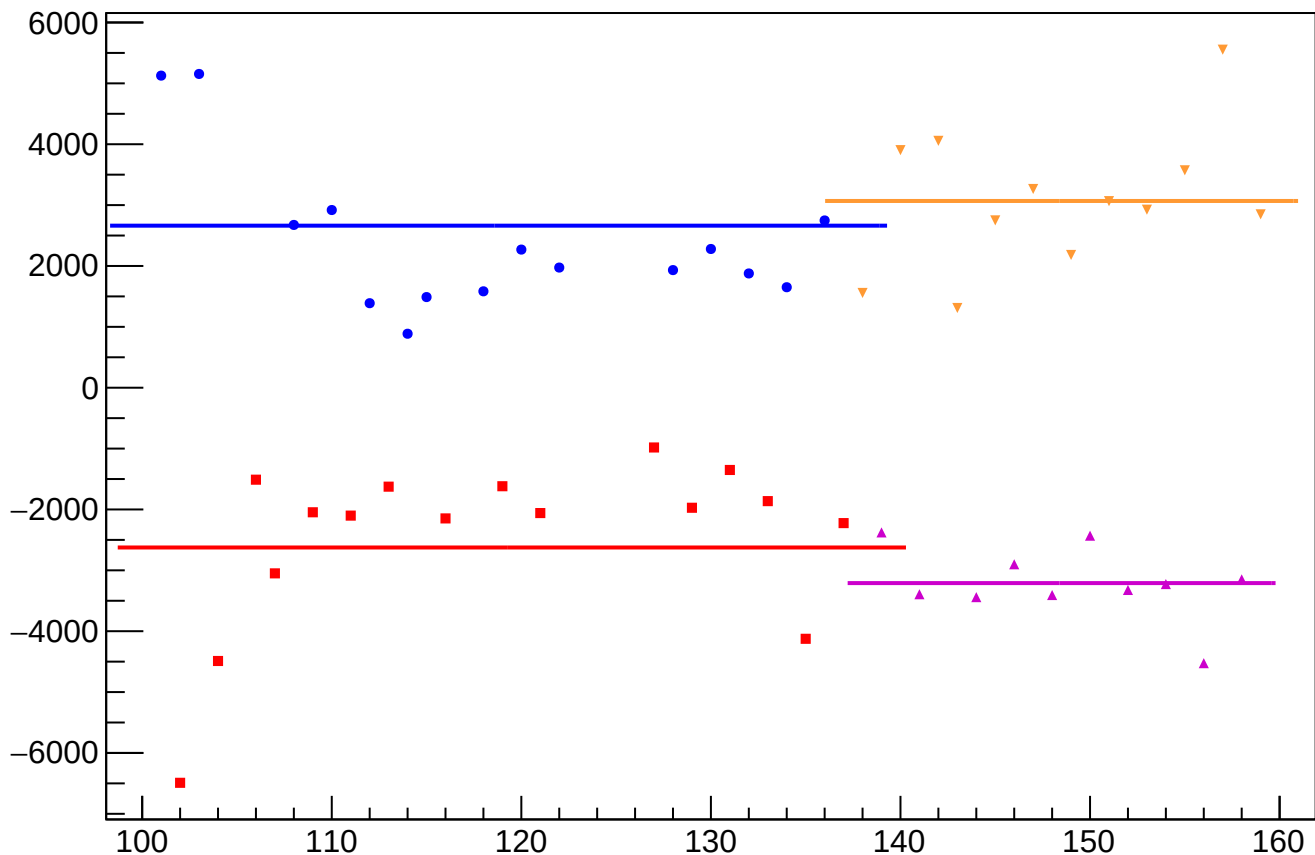
χ^2/NDF : 286076919217811099434470442231998185472000.0/15

Left In: -131474.741+/-0.000

χ^2/NDF : 134658499505019282435824847378790035226624.0/9

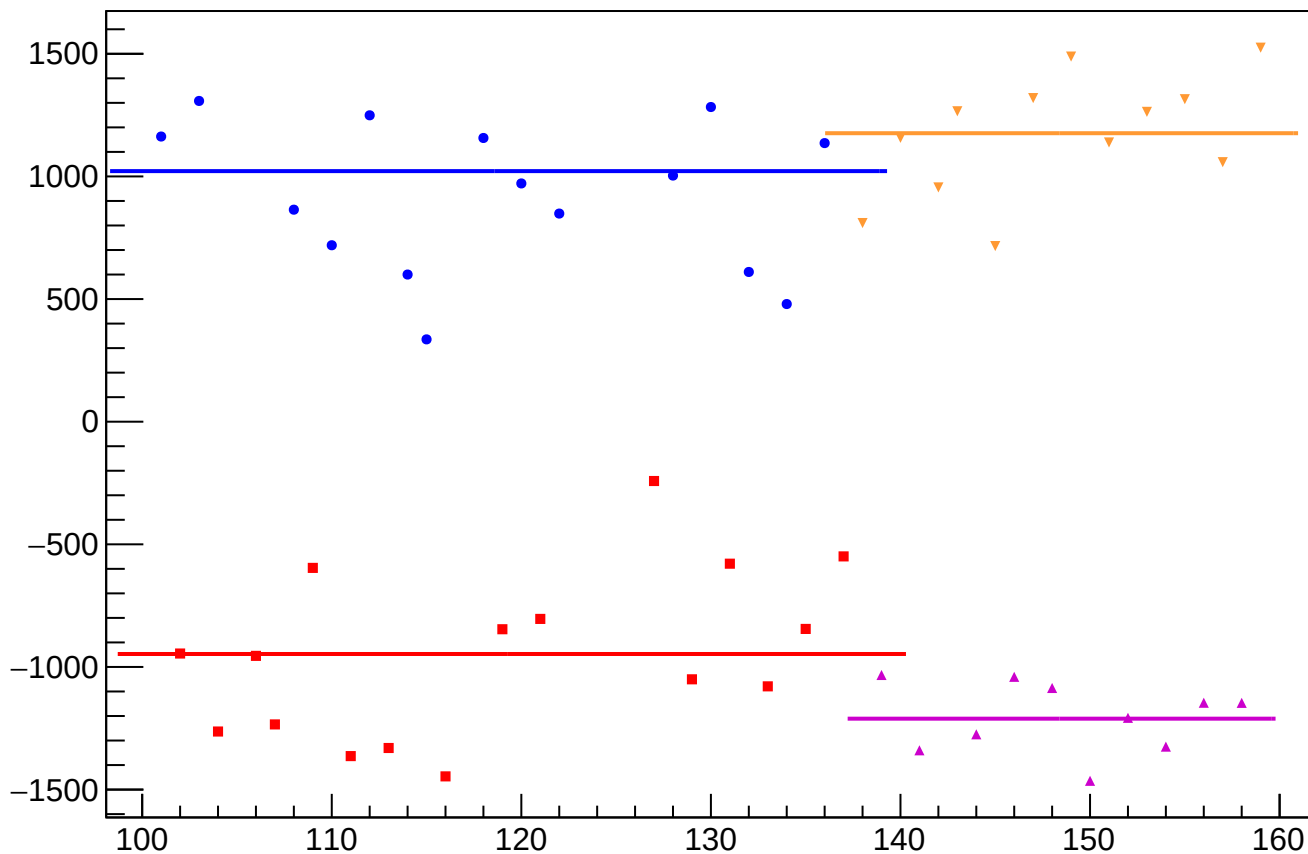
All: -2211.118+/-0.000 χ^2/NDF : 3683540896

dit_atl2_coil7_err_mean vs Slug, Sign Corrected



Right In: 2662.183+/-0.000 χ^2/NDF : 1031389230165640157864439705583367487488.0/14
 Left Out: 3067.875+/-0.000 χ^2/NDF : 1078495187687389019694818149822179049472.0/11
 Right Out: -2624.696+/-0.000 χ^2/NDF : 1566705216866534713590934835660406652928.0/15
 Left In: -3209.718+/-0.000 χ^2/NDF : 270027314447276793329207975253297332224.0/9
 All: 20.132+/-0.000 χ^2/NDF : 3052757500020

dit_atl2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 $\pm$ 0.000

Left Out: 1176.242 $\pm$ 0.000

Right Out: -947.145 $\pm$ 0.000

Left In: -1210.862 $\pm$ 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 15749271183228525581810721748649246720.0/9

Left: 27.946 $\pm$ 0.000 χ^2/NDF : 25826954657218163

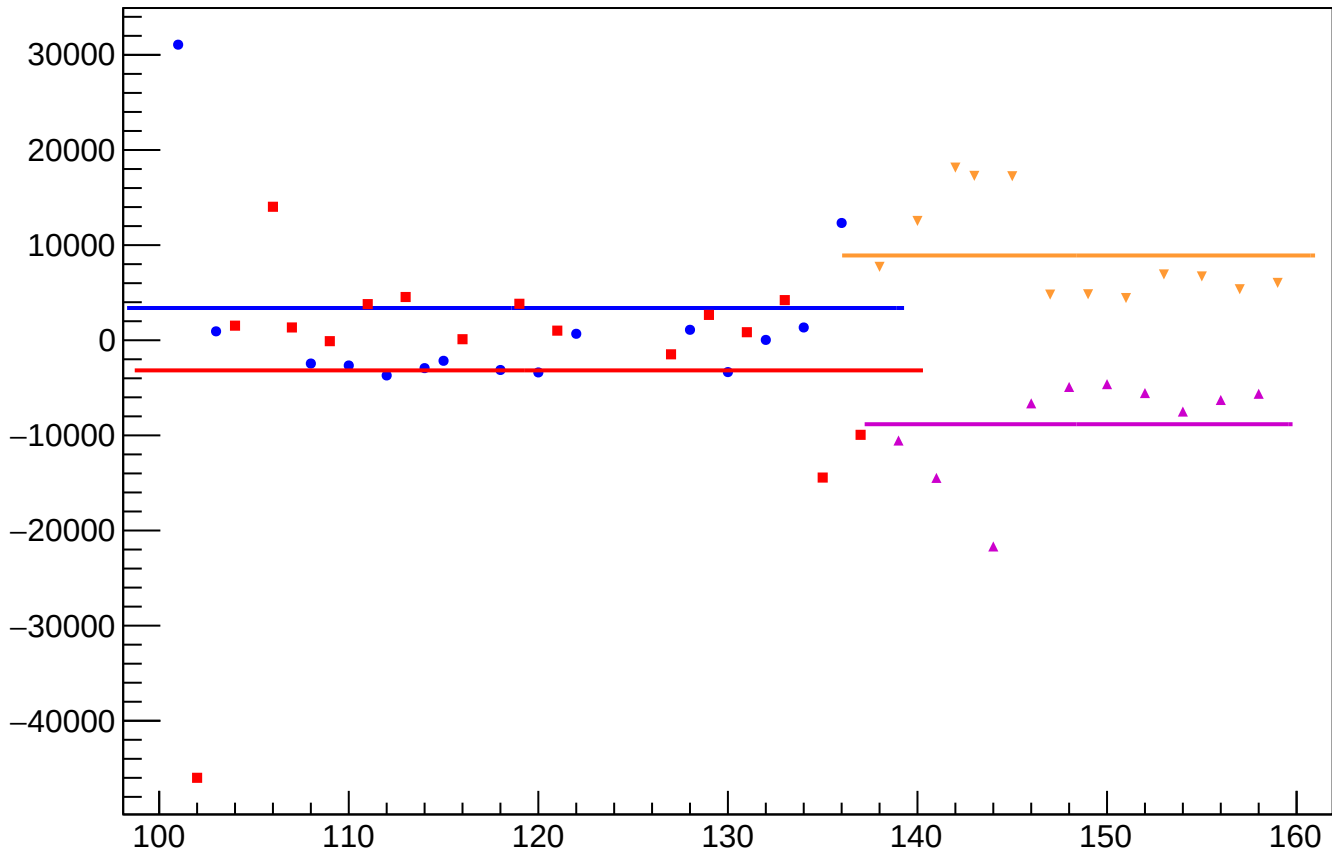
Right: 23.805 $\pm$ 0.000 χ^2/NDF : 1383338523153511

In: -244.270 $\pm$ 0.000 χ^2/NDF : 1890511300629015

Out: 282.114 $\pm$ 0.000 χ^2/NDF : 1862139150205248

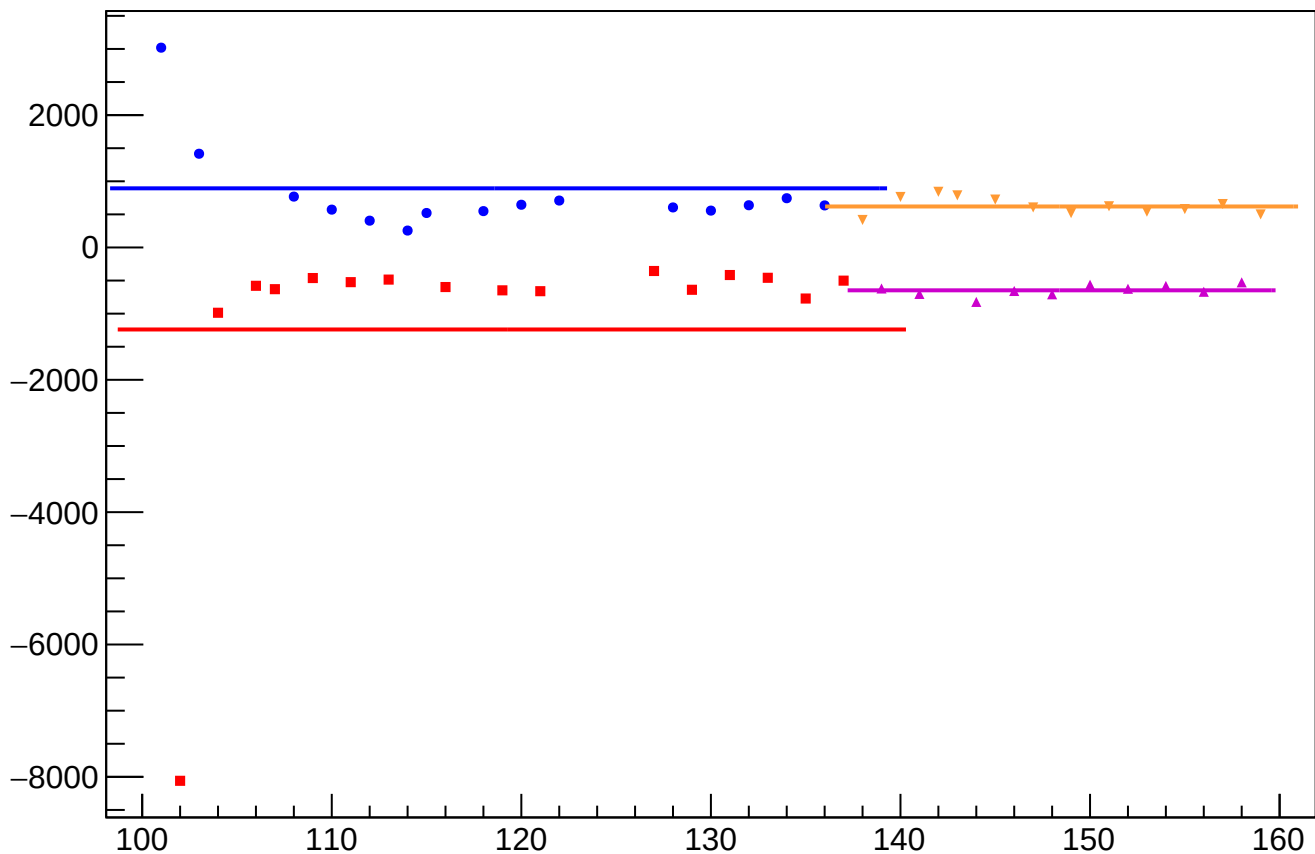
All: 26.178 $\pm$ 0.000 χ^2/NDF : 3966046926053

dit_atr1_coil7_mean vs Slug, Sign Corrected



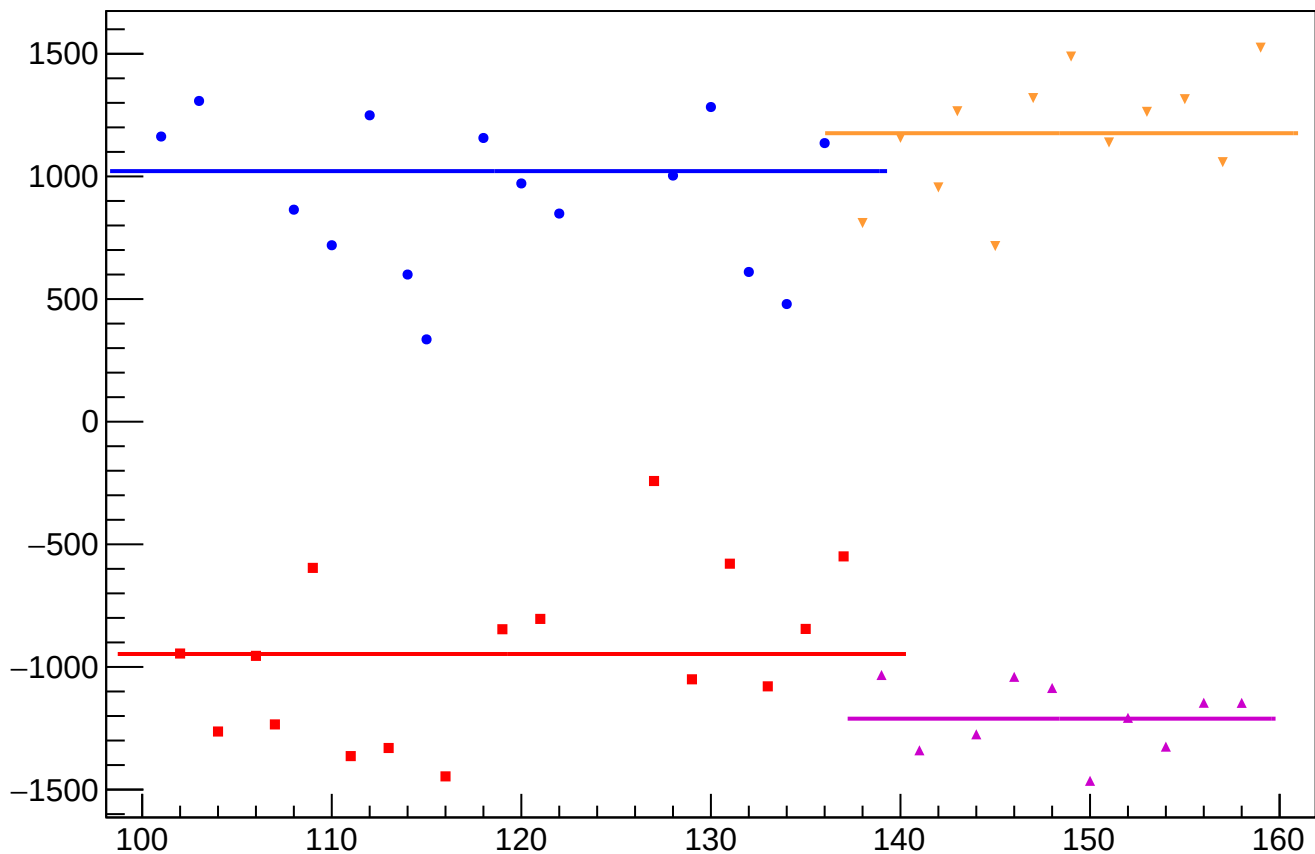
Right In: 3390.550+/-0.000 χ^2/NDF : 65871927441553256724179194556280173756416.0/14
 Left Out: 8912.459+/-0.000 χ^2/NDF : 22070544402646074284268231690805235941376.0/11
 Right Out: -3167.396+/-0.000 χ^2/NDF : 137753886677241144460462531881687568089088.0/15
 Left In: -8826.351+/-0.000 χ^2/NDF : 23385058583096717243970345174936982650880.0/9
 All: 245.910+/-0.000 χ^2/NDF : 402105269423

dit_atr1_coil7_err_mean vs Slug, Sign Corrected



Right In: 893.683 ± 0.000 $\chi^2/\text{NDF}: 334583619078631008932404228227359309824.0/14$
 Left Out: 619.363 ± 0.000 $\chi^2/\text{NDF}: 12743310597907802273598099300489887744.0/11$
 Right Out: -1239.298 ± 0.000 $\chi^2/\text{NDF}: 2970990859486483990408108918937565003776.0/15$
 Left In: -647.625 ± 0.000 $\chi^2/\text{NDF}: 5647801198571049492143195106830188544.0/9$
 All: -74.323 ± 0.000 $\chi^2/\text{NDF}: 555796603212$

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: -1210.862+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 15749271183228525581810721748649246720.0/9

Left: 27.946+/-0.000 χ^2/NDF : 25826954657218163

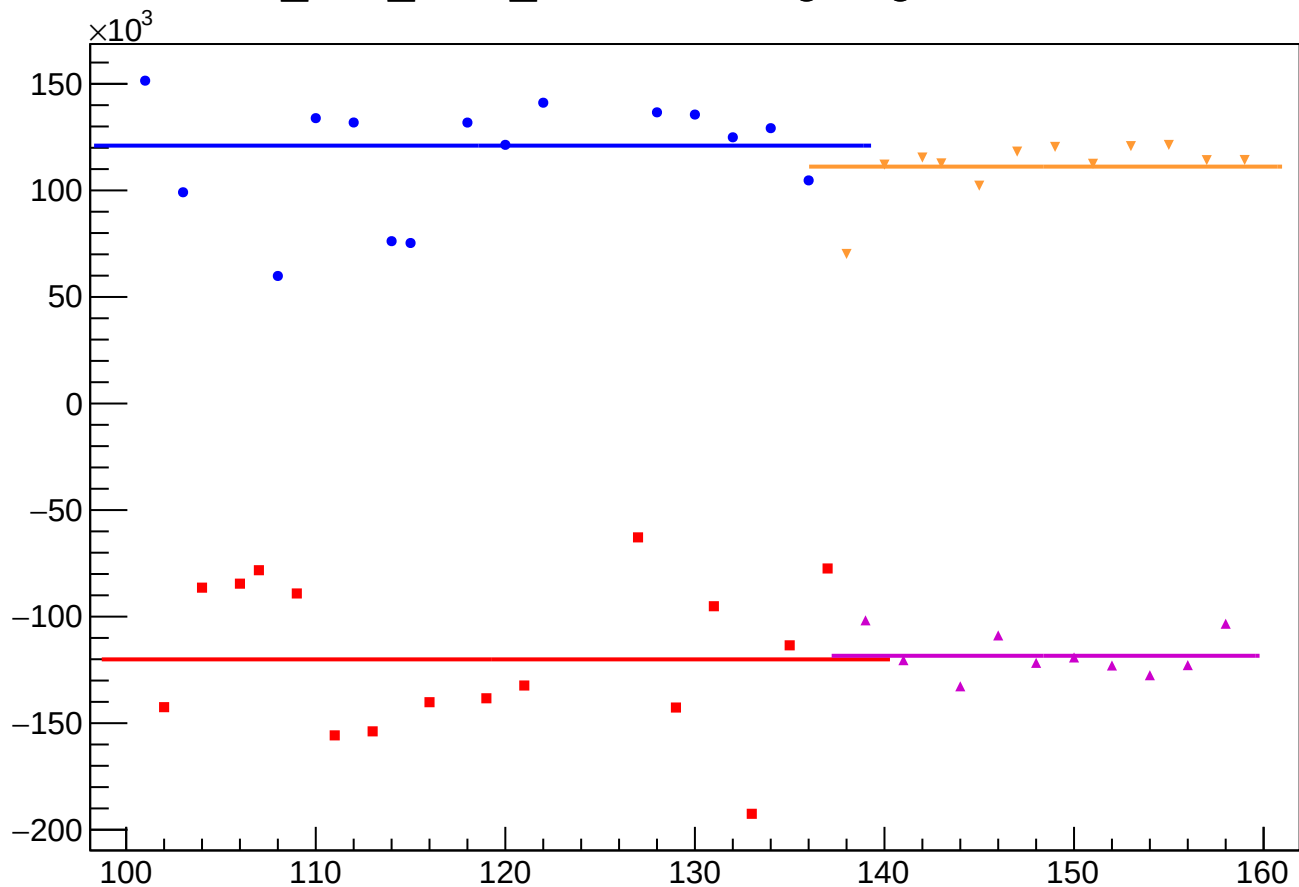
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -244.270+/-0.000 χ^2/NDF : 1890511300629015

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

All: 26.178+/-0.000 χ^2/NDF : 3966046926053

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

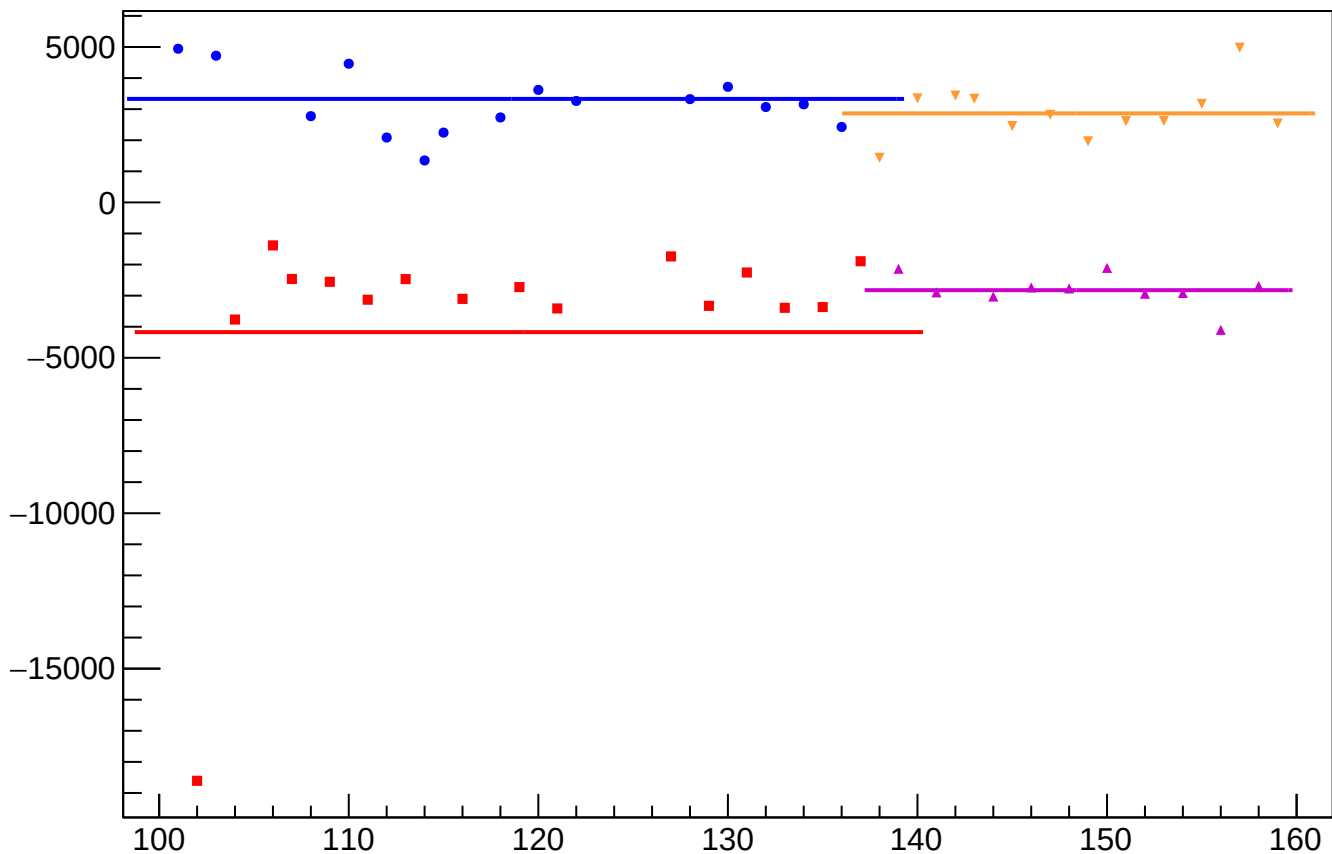
χ^2/NDF : 828419782346707601448620310014135952736256.0/15

Left In: -118371.172 $\pm$ 0.000

χ^2/NDF : 78658056188444839996080240086341881167872.0/9

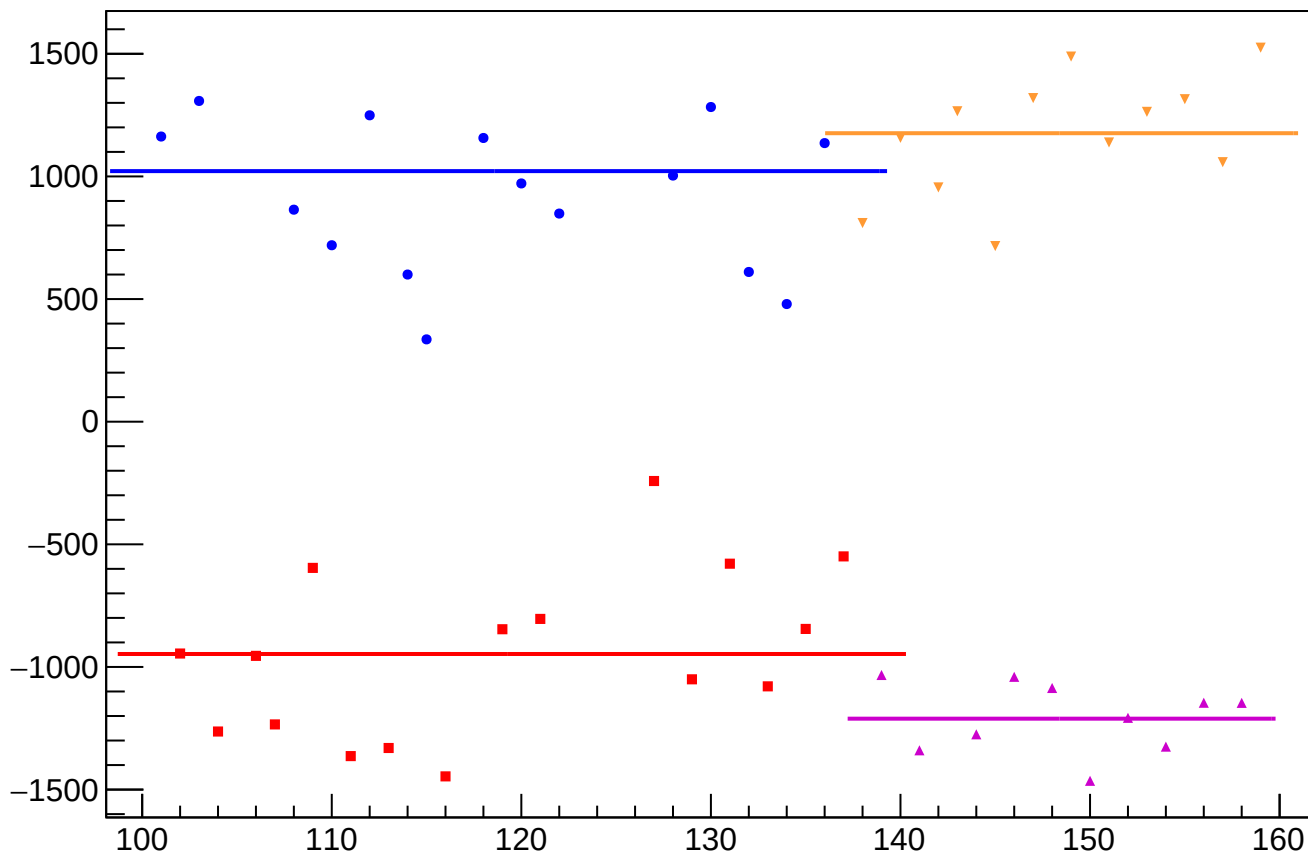
All: -70.167 $\pm$ 0.000 χ^2/NDF : 437945697610

dit_atr2_coil7_err_mean vs Slug, Sign Corrected



Right In: 3329.488 $\pm$ 0.000 χ^2 /NDF: 567034774398456376227526824513721335808.0/14
 Left Out: 2863.169 $\pm$ 0.000 χ^2 /NDF: 668766817298044492245074854515224608768.0/11
 Right Out: -4173.434 $\pm$ 0.000 χ^2 /NDF: 13498246551537992400095003154682468106240.0/15
 Left In: -2823.813 $\pm$ 0.000 χ^2 /NDF: 224066085754679819342225770361391153152.0/9
 All: -128.952 $\pm$ 0.000 χ^2 /NDF: 48013991682

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: -1210.862+/-0.000

χ^2/NDF : 15749271183228525581810721748649246720.0/9

Left: 27.946+/-0.000 χ^2/NDF : 25826954657218163

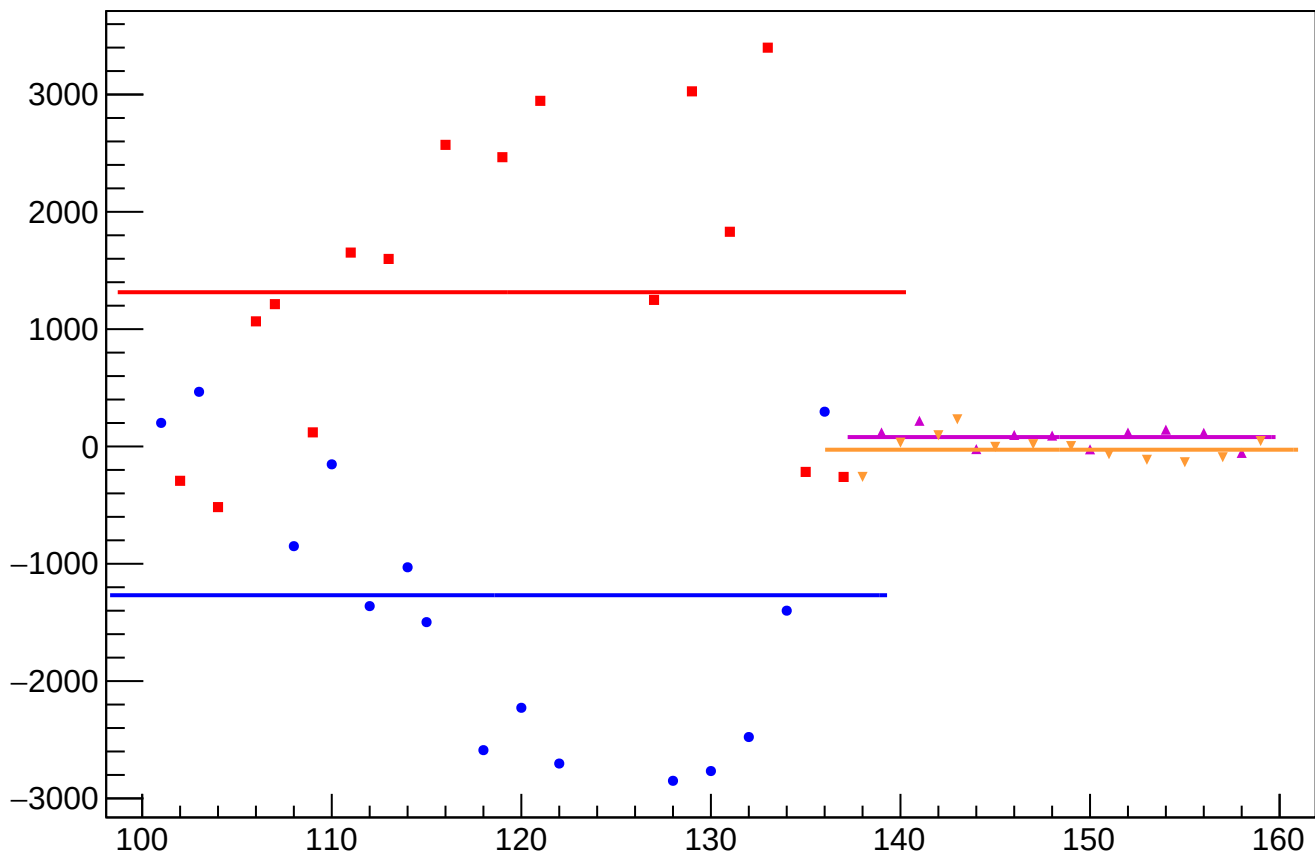
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -244.270+/-0.000 χ^2/NDF : 1890511300629015

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

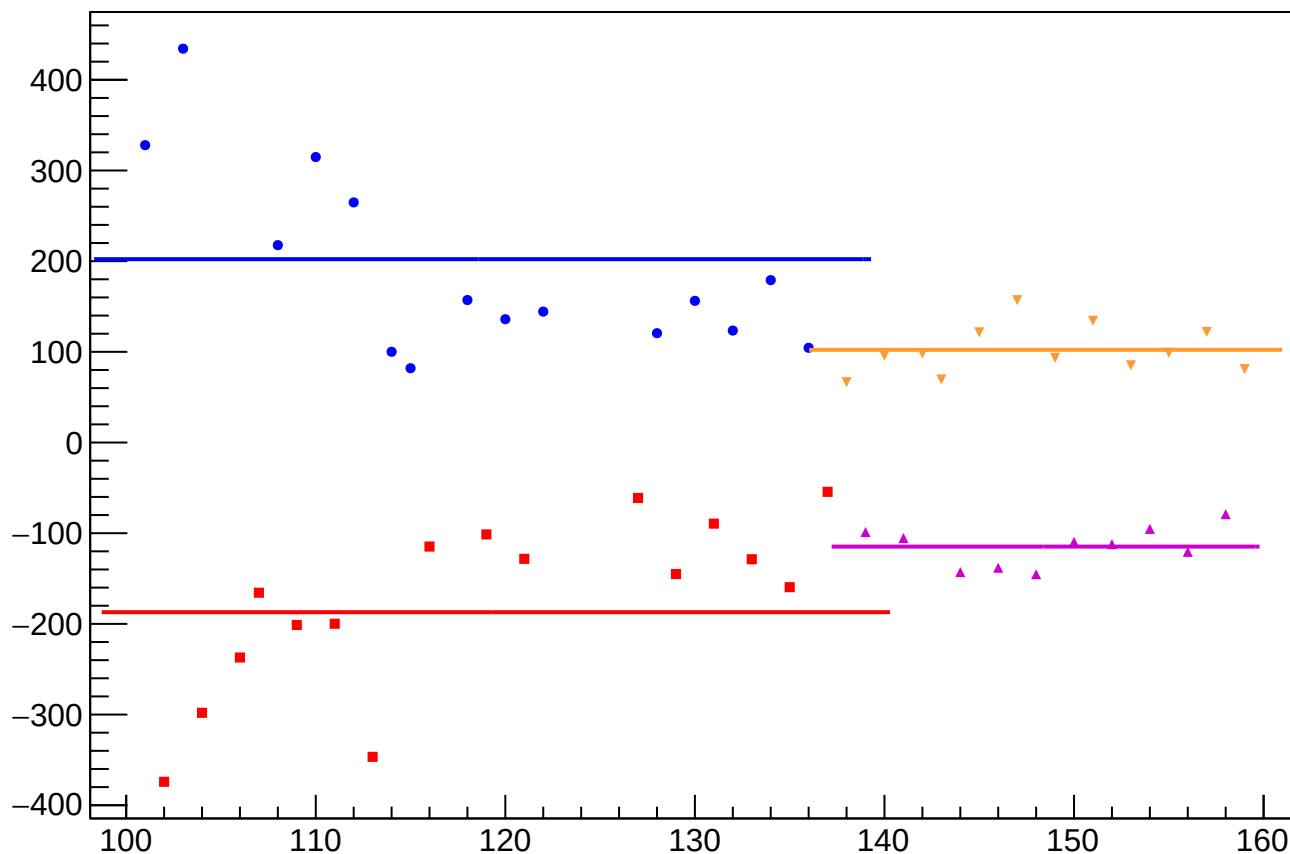
All: 26.178+/-0.000 χ^2/NDF : 3966046926053

dit_sam1_coil7_mean vs Slug, Sign Corrected



Left: 24.164+/-0.000 χ^2/NDF : 23319750457477096
 Right In: -1268.061+/-0.000 χ^2/NDF : 1092280760288833856070470490800647045120.0/14
 Right: 41.017+/-0.000 χ^2/NDF : 4385100658196815
 Left Out: -27.654+/-0.000 χ^2/NDF : 12404131617036288818573632516917297152.0/11
 In: -503.612+/-0.000 χ^2/NDF : 1766919605841961
 Right Out: 1314.767+/-0.000 χ^2/NDF : 1098471313864079013714609379653260935168.0/15
 Out: 537.620+/-0.000 χ^2/NDF : 1806729362503876
 Left In: 80.066+/-0.000 χ^2/NDF : 5797039304563313449550099874674900992.0/9
 All: 31.358+/-0.000 χ^2/NDF : 4408634649953

dit_sam1_coil7_err_mean vs Slug, Sign Corrected



Right In: 202.191+/-0.000

χ^2/NDF : 7027941052752849066369040650615128064.0/14

Left Out: 102.211+/-0.000

χ^2/NDF : 617349982651654313498458631453016064.0/11

Right Out: -187.126+/-0.000

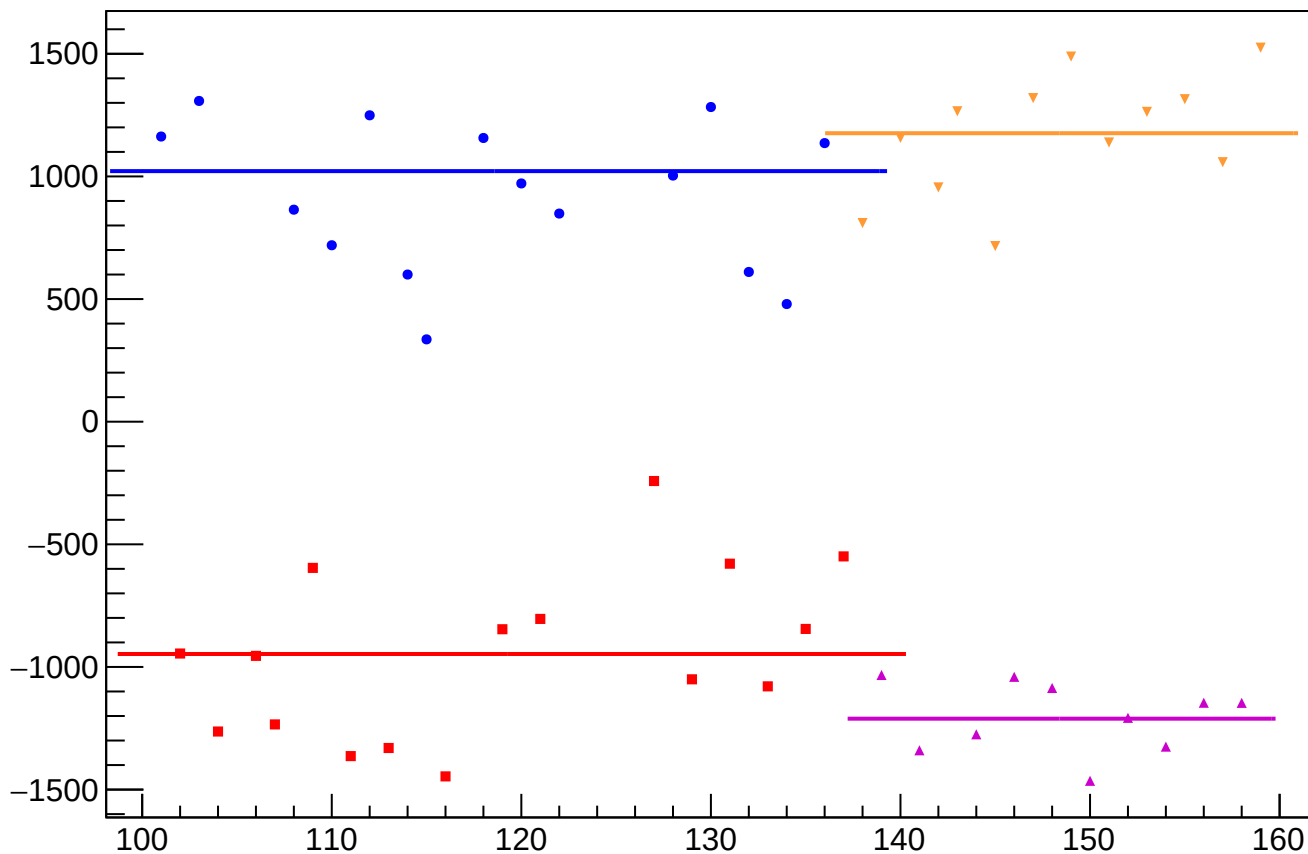
χ^2/NDF : 6230029491605524746936515809941389312.0/15

Left In: -114.755+/-0.000

χ^2/NDF : 365702711945424540084712272912449536.0/9

Left: -2.158+/-0.000 χ^2/NDF : 21748214401749434
 Right: 4.870+/-0.000 χ^2/NDF : 63114316335759506
 In: 22.468+/-0.000 χ^2/NDF : 443621157562232805
 Out: -19.625+/-0.000 χ^2/NDF : 3917308434044750
 All: 0.842+/-0.000 χ^2/NDF : 84899789887443

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

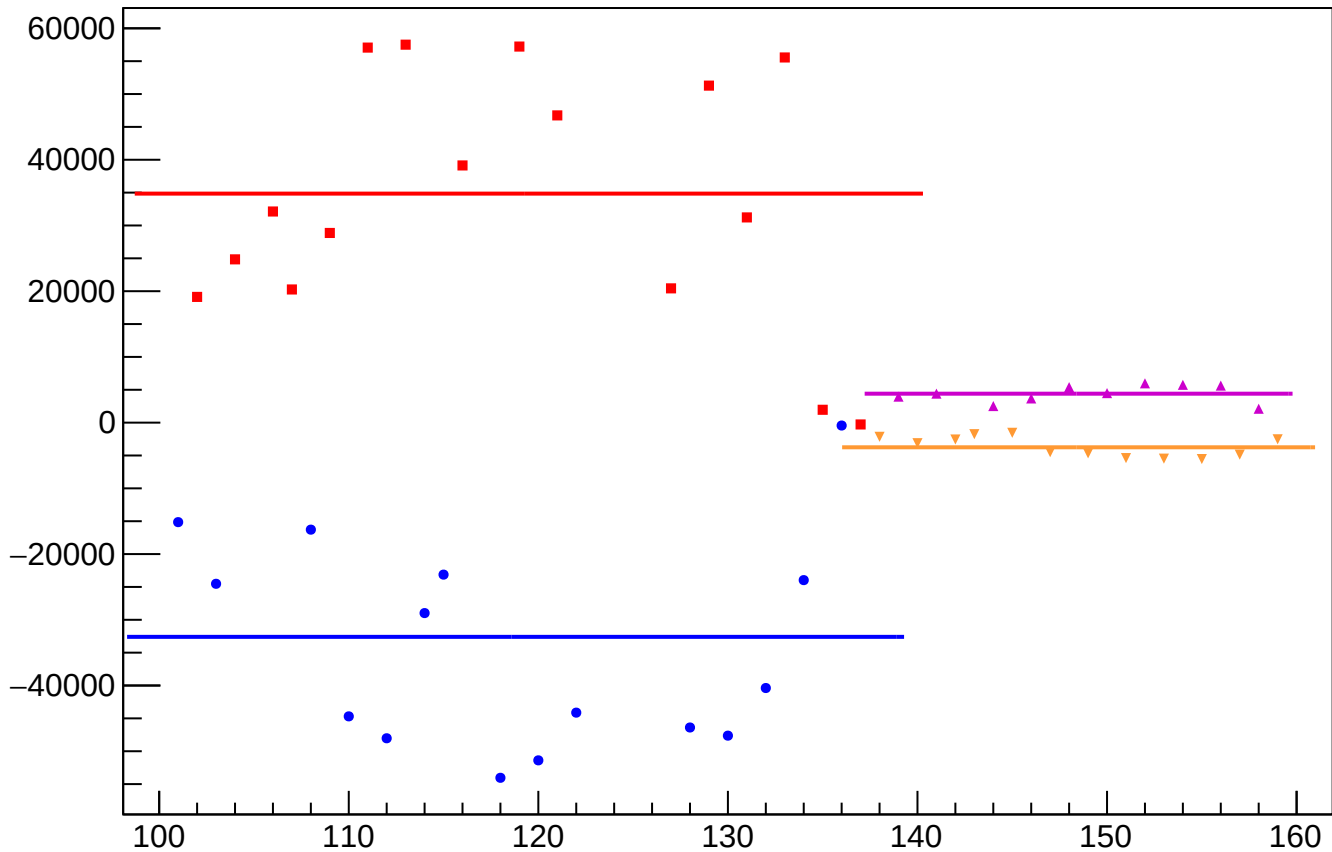
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1210.862 +/- 0.000

χ^2/NDF : 15749271183228525581810721748649246720.0/9

All: 26.178 +/- 0.000 χ^2/NDF : 3966046926053

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

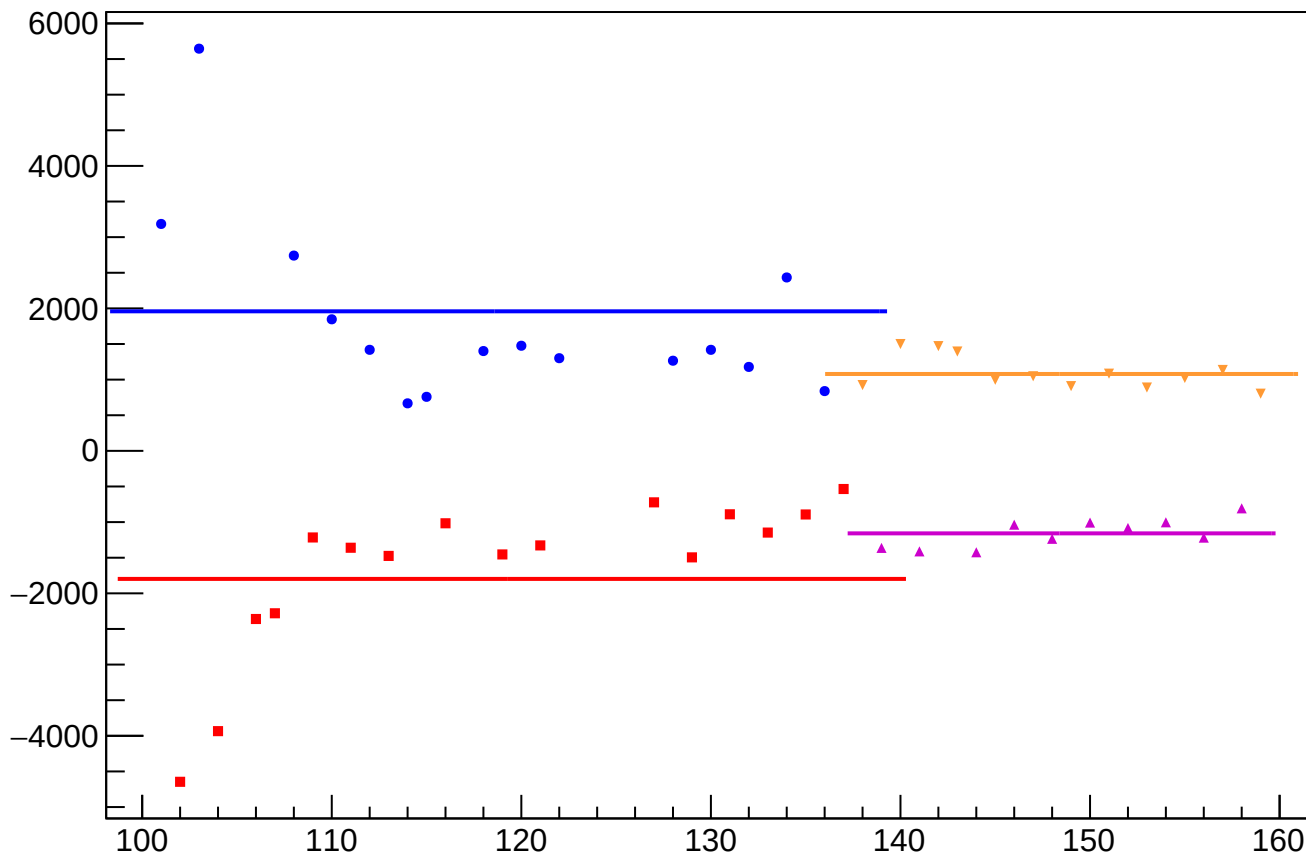
χ^2/NDF : 221127702024811719232559434097324967591936.0/15

Left In: 4404.772+/-0.000

χ^2/NDF : 1383742706921863260705550529496480743424.0/9

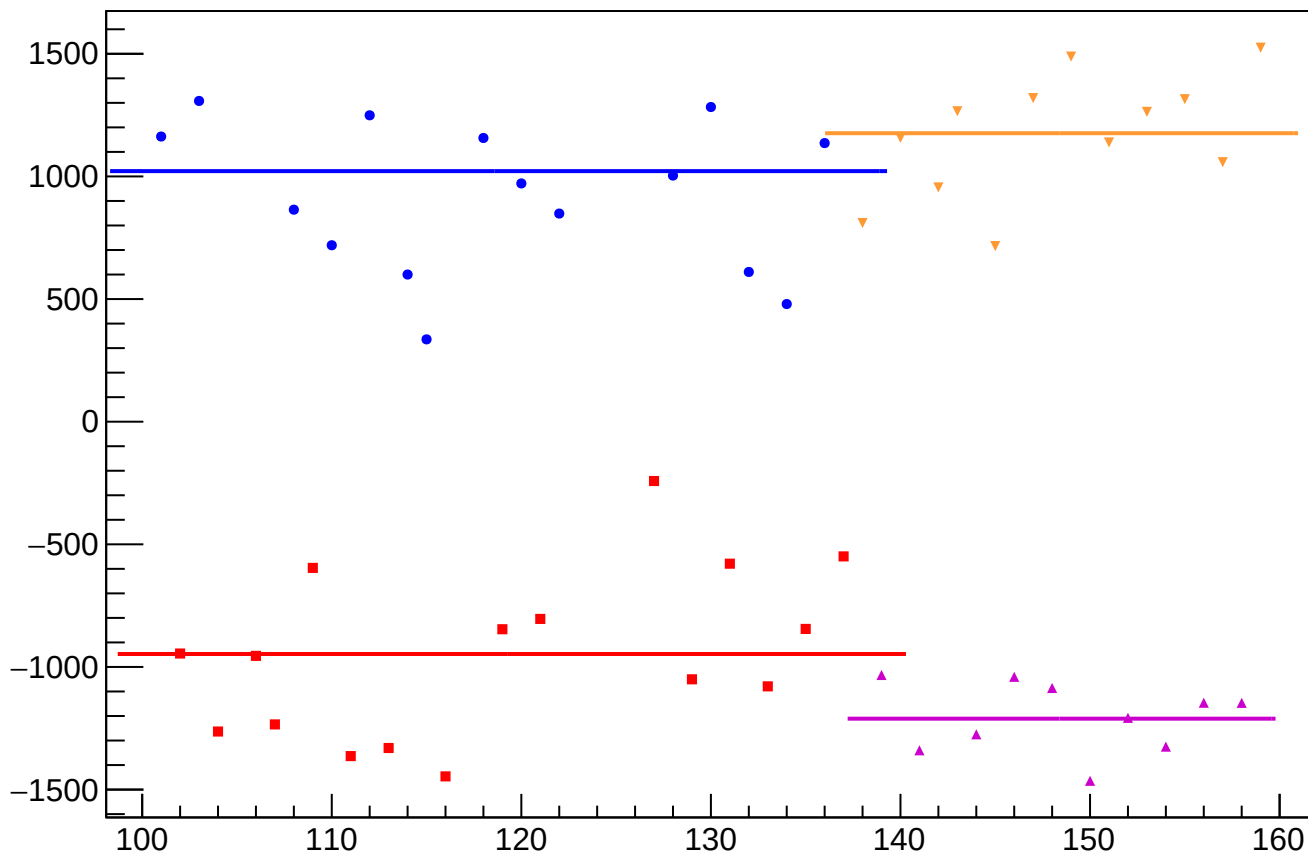
All: 776.055+/-0.000 χ^2/NDF : 196072666104

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: -1158.136+/-0.000 χ^2/NDF : 31801041493395302798656994340325294080.0/9
 All: 25.189+/-0.000 χ^2/NDF : 9070305407851

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

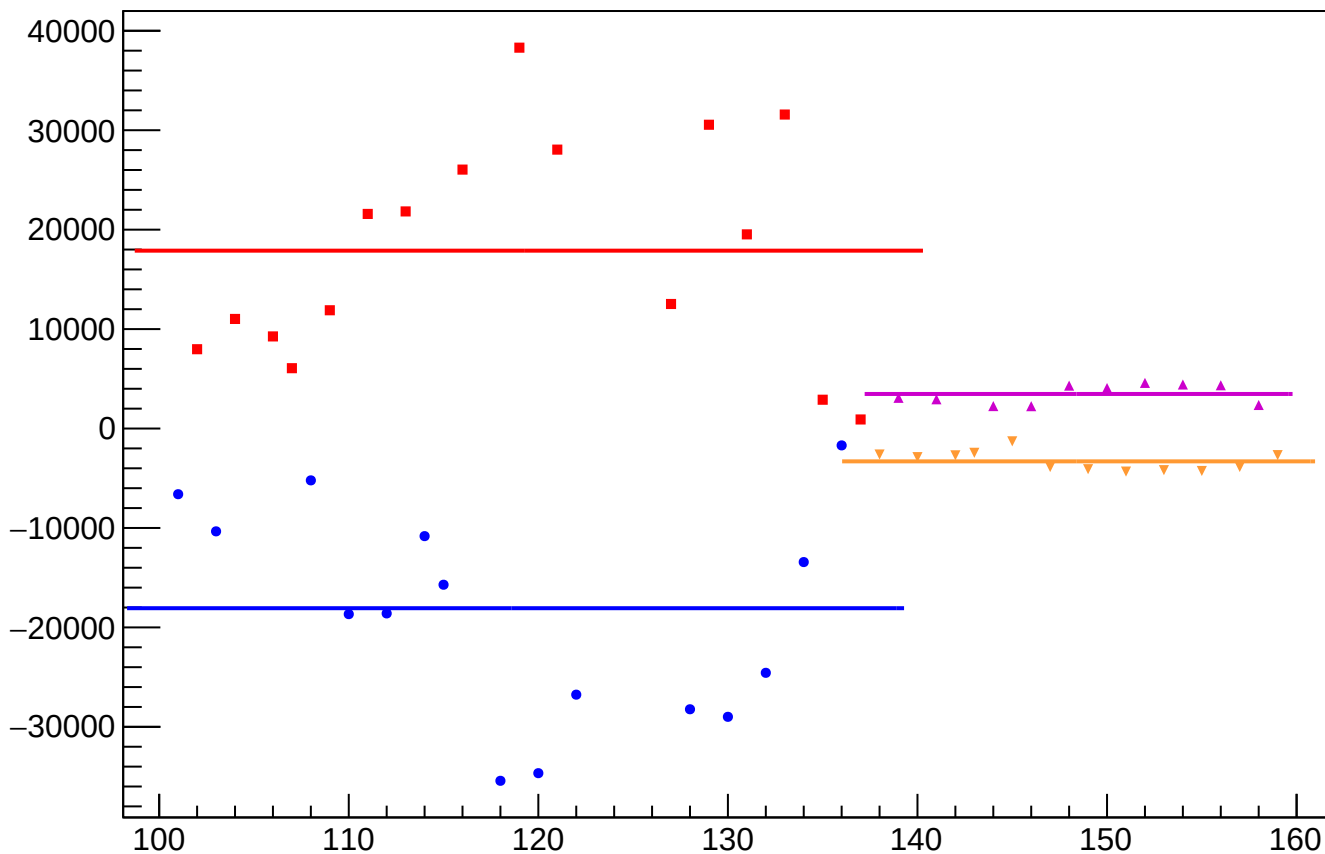
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1210.862 +/- 0.000

χ^2/NDF : 15749271183228525581810721748649246720.0/9

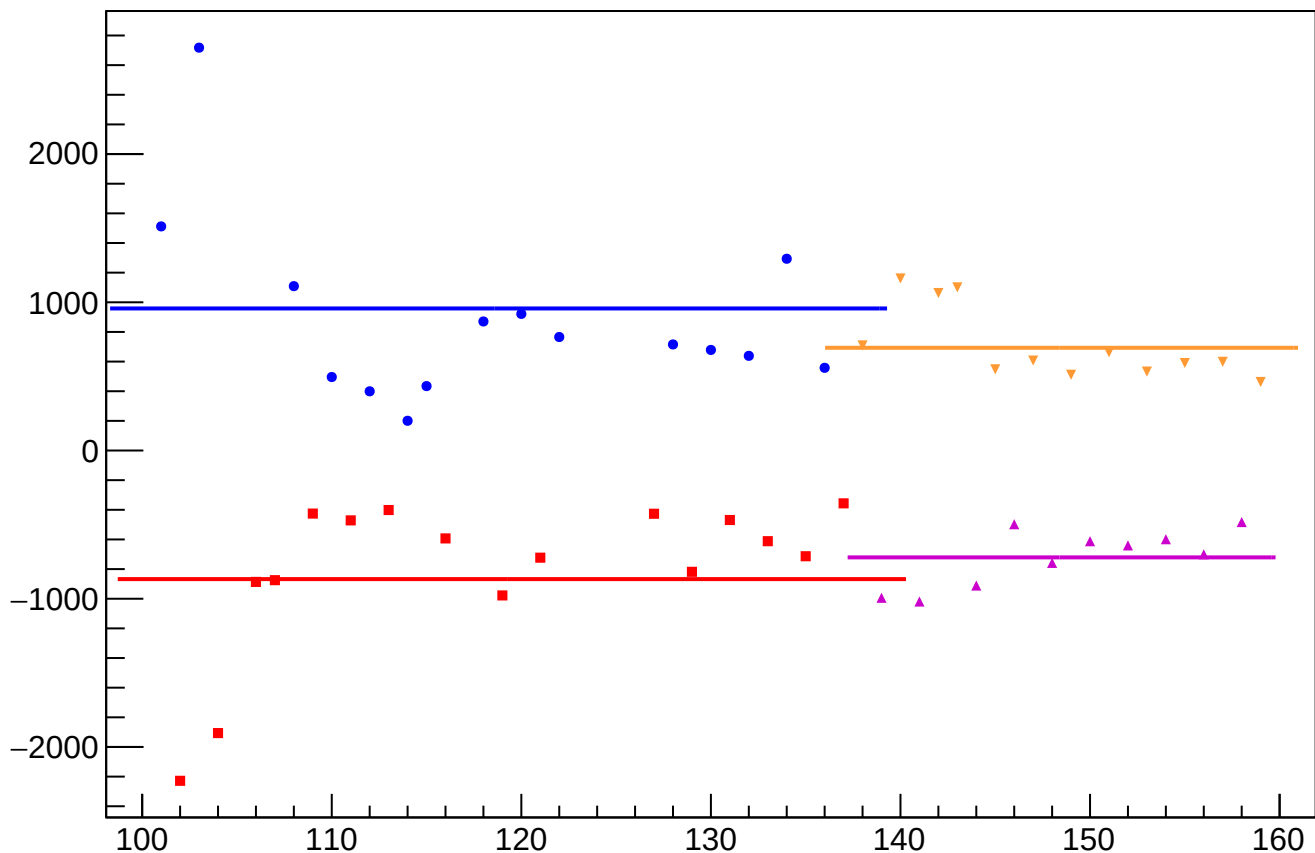
All: 26.178 +/- 0.000 χ^2/NDF : 3966046926053

dit_sam3_coil7_mean vs Slug, Sign Corrected



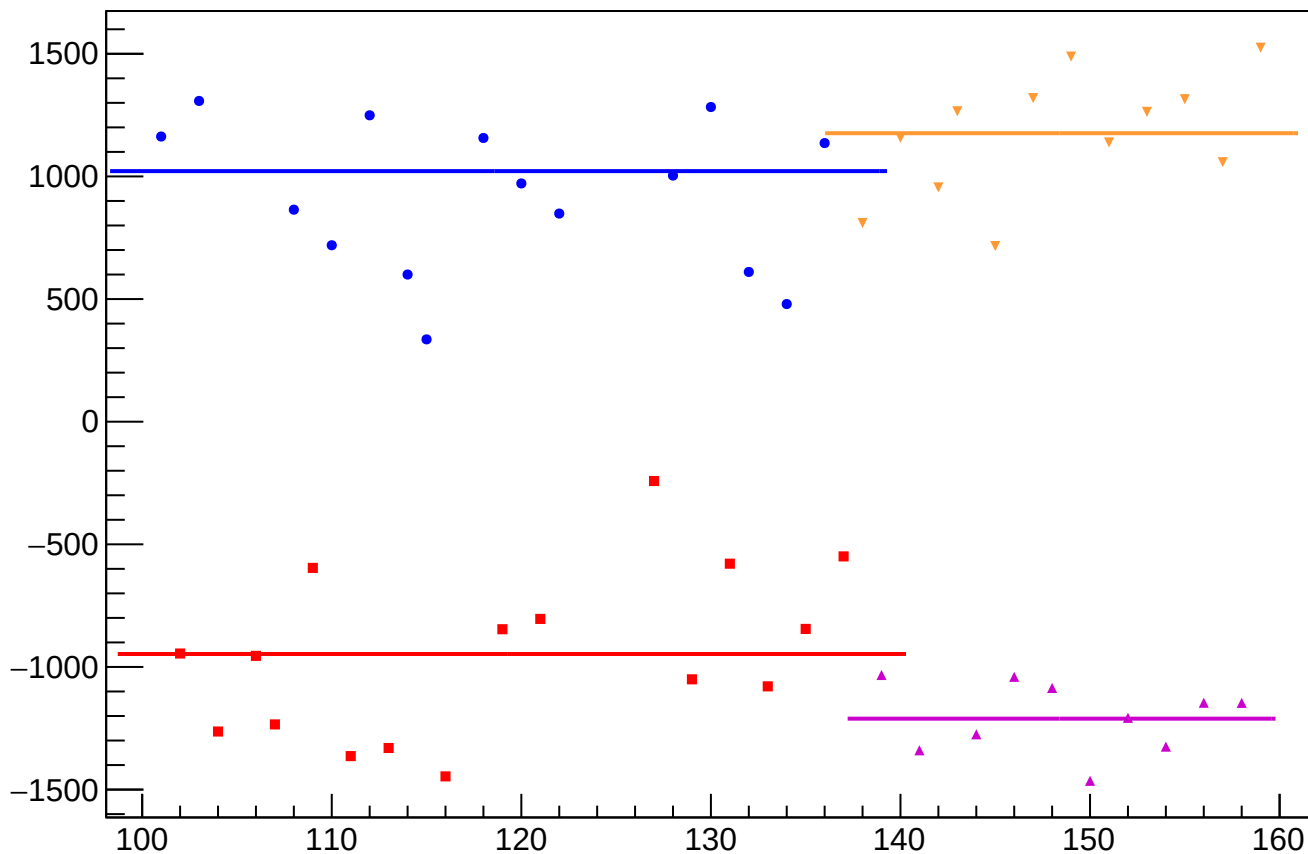
Left: -41.142 ± 0.000 $\chi^2/\text{NDF}: 2179851398078899$
 Right In: -18068.550 ± 0.000 $\chi^2/\text{NDF}: 84312156443533553417760933497753760169984.0/14$
 Left Out: -3301.165 ± 0.000 $\chi^2/\text{NDF}: 804572006868088518224503479729974673408.0/11$
 Right Out: 17888.149 ± 0.000 $\chi^2/\text{NDF}: 78405915612914252869875231068795393015808.0/15$
 In: -5851.913 ± 0.000 $\chi^2/\text{NDF}: 255863473877285$
 Out: 5621.355 ± 0.000 $\chi^2/\text{NDF}: 252580420870454$
 Left In: 3475.849 ± 0.000 $\chi^2/\text{NDF}: 734455058715453822291773713265138335744.0/9$
 All: 42.883 ± 0.000 $\chi^2/\text{NDF}: 6098251322158$

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: -721.017 +/- 0.000 χ^2/NDF : 28659436107170267699680962056296595456.0/9
 All: 21.425 +/- 0.000 χ^2/NDF : 2537137984425

dit_sam3_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

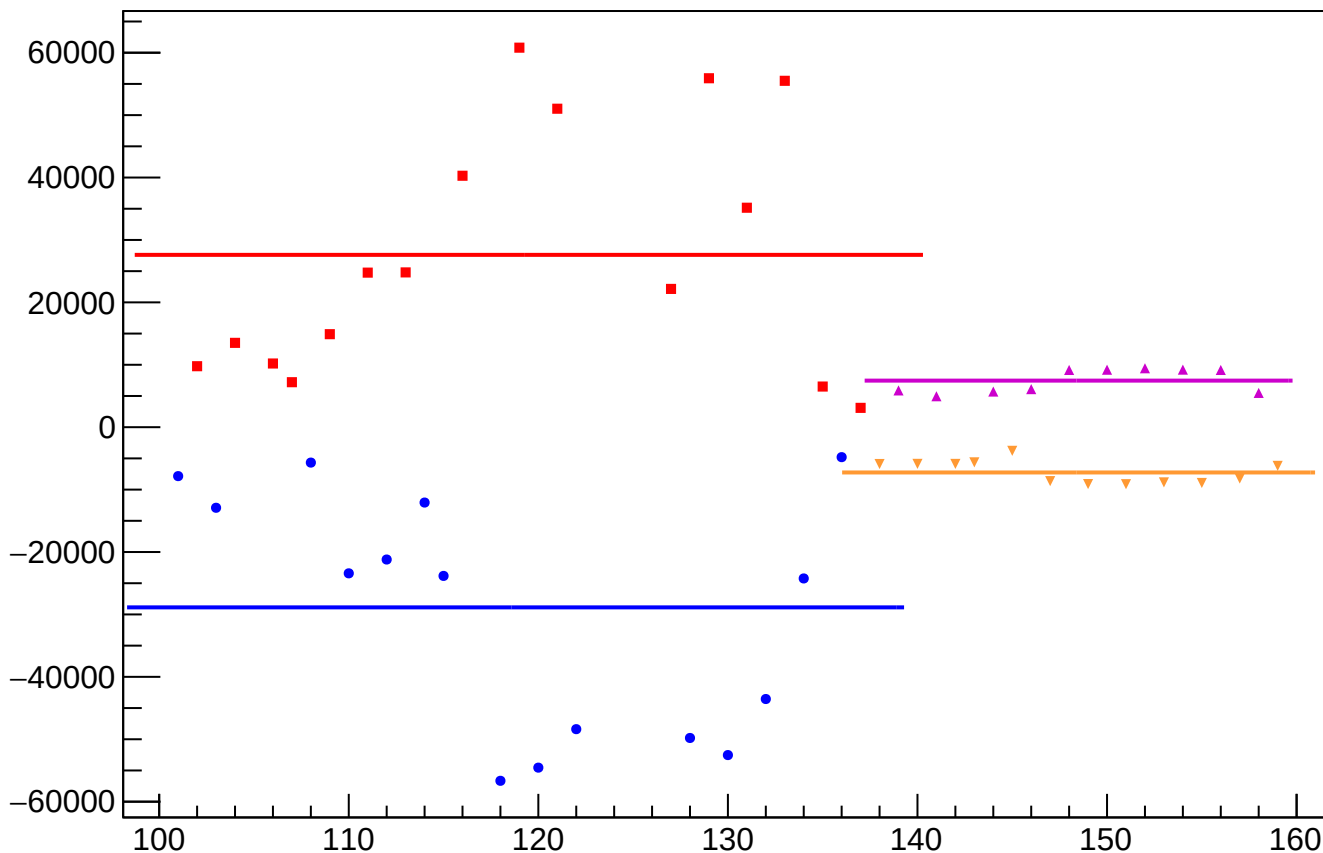
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1210.862 +/- 0.000

χ^2/NDF : 15749271183228525581810721748649246720.0/9

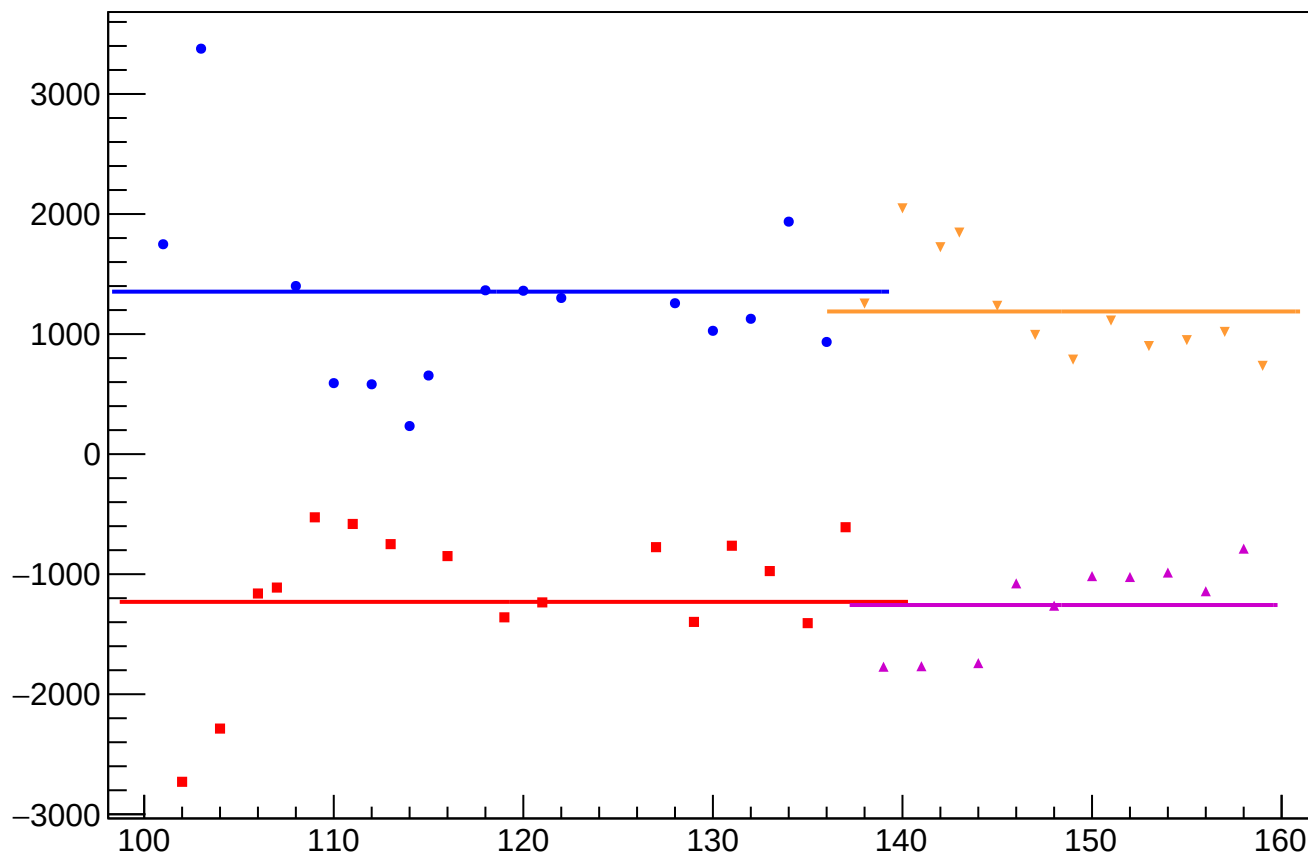
All: 26.178 +/- 0.000 χ^2/NDF : 3966046926053

dit_sam4_coil7_mean vs Slug, Sign Corrected



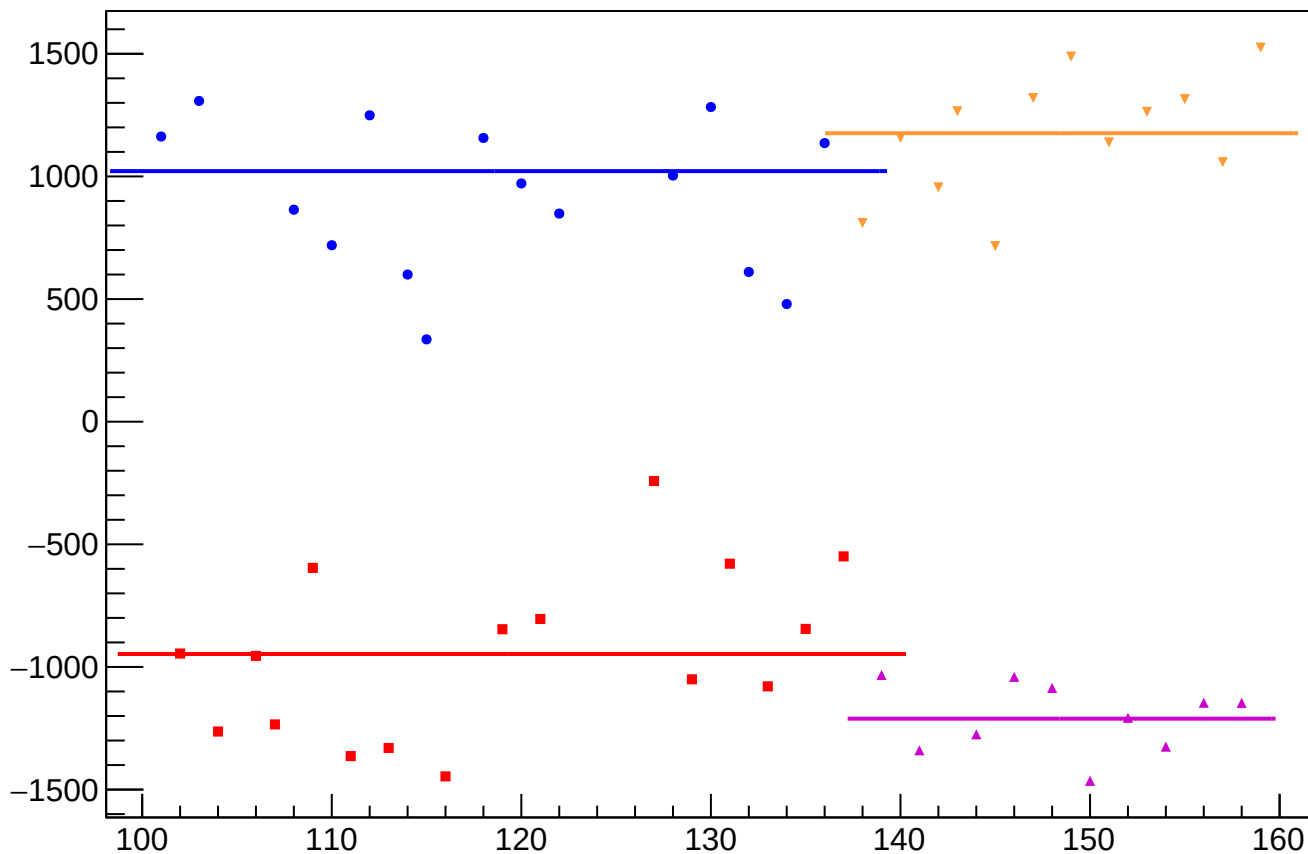
Right In: -28868.624+/-0.000 χ^2/NDF : 261450701095727362961367657926584124309504.0/14
 Left: -175.079+/-0.000 χ^2/NDF : 101227838967195
 Right: -242.630+/-0.000 χ^2/NDF : 15588395560755
 Left Out: -7254.077+/-0.000 χ^2/NDF : 2852558880492321663467062466027223777280.0/11
 In: -8267.587+/-0.000 χ^2/NDF : 750039907267326
 Right Out: 27610.848+/-0.000 χ^2/NDF : 248097983477523504935751571384400118546432.0/15
 Out: 7427.050+/-0.000 χ^2/NDF : 720322837766994
 Left In: 7461.910+/-0.000 χ^2/NDF : 2847324209228022758547868591918443134976.0/9
 All: -203.914+/-0.000 χ^2/NDF : 16600708368

dit_sam4_coil7_err_mean vs Slug, Sign Corrected



Right In: 1353.413 $\pm$ 0.000 χ^2 /NDF: 352887966702770713373861839880553758720.0/14
 Left Out: 1188.374 $\pm$ 0.000 χ^2 /NDF: 150388636614326916750918220287509004288.0/11
 Right Out: -1230.633 $\pm$ 0.000 χ^2 /NDF: 276989454129150005656872744539903754240.0/15
 Left In: -1256.852 $\pm$ 0.000 χ^2 /NDF: 102471467388201152343548562649441632256.0/9
 All: 25.607 $\pm$ 0.000 χ^2 /NDF: 5717393689896

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

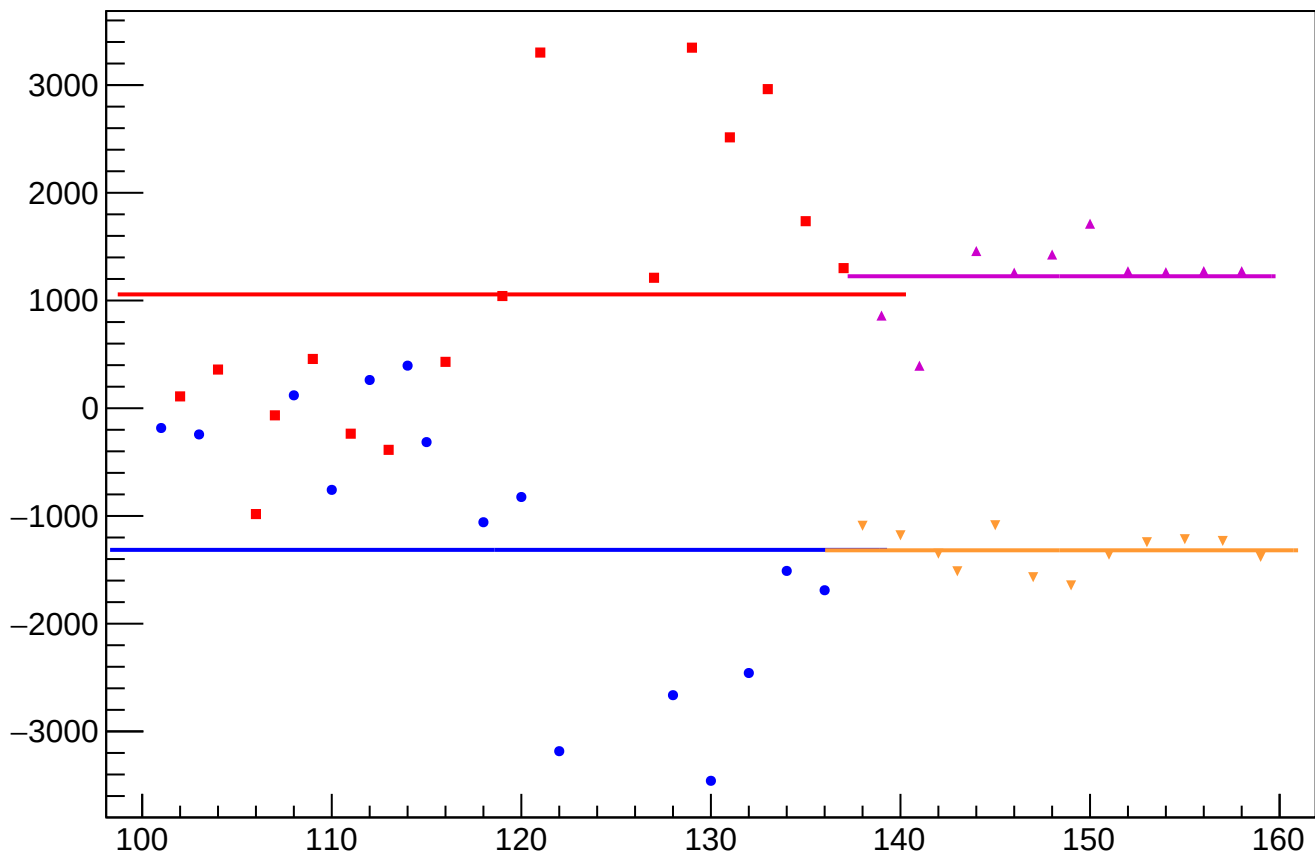
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1210.862 +/- 0.000

χ^2/NDF : 15749271183228525581810721748649246720.0/9

All: 26.178 +/- 0.000 χ^2/NDF : 3966046926053

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: 1225.245+/-0.000

χ^2/NDF : 966082368518203481544021644405645508608.0/14

χ^2/NDF : 28738856775554340954745144784441049088.0/11

χ^2/NDF : 1127141594187417021949832477353286041600.0/15

χ^2/NDF : 100146411362185935884404755586451767296.0/9

Left: -95.016+/-0.000 χ^2/NDF : 2983885127927179

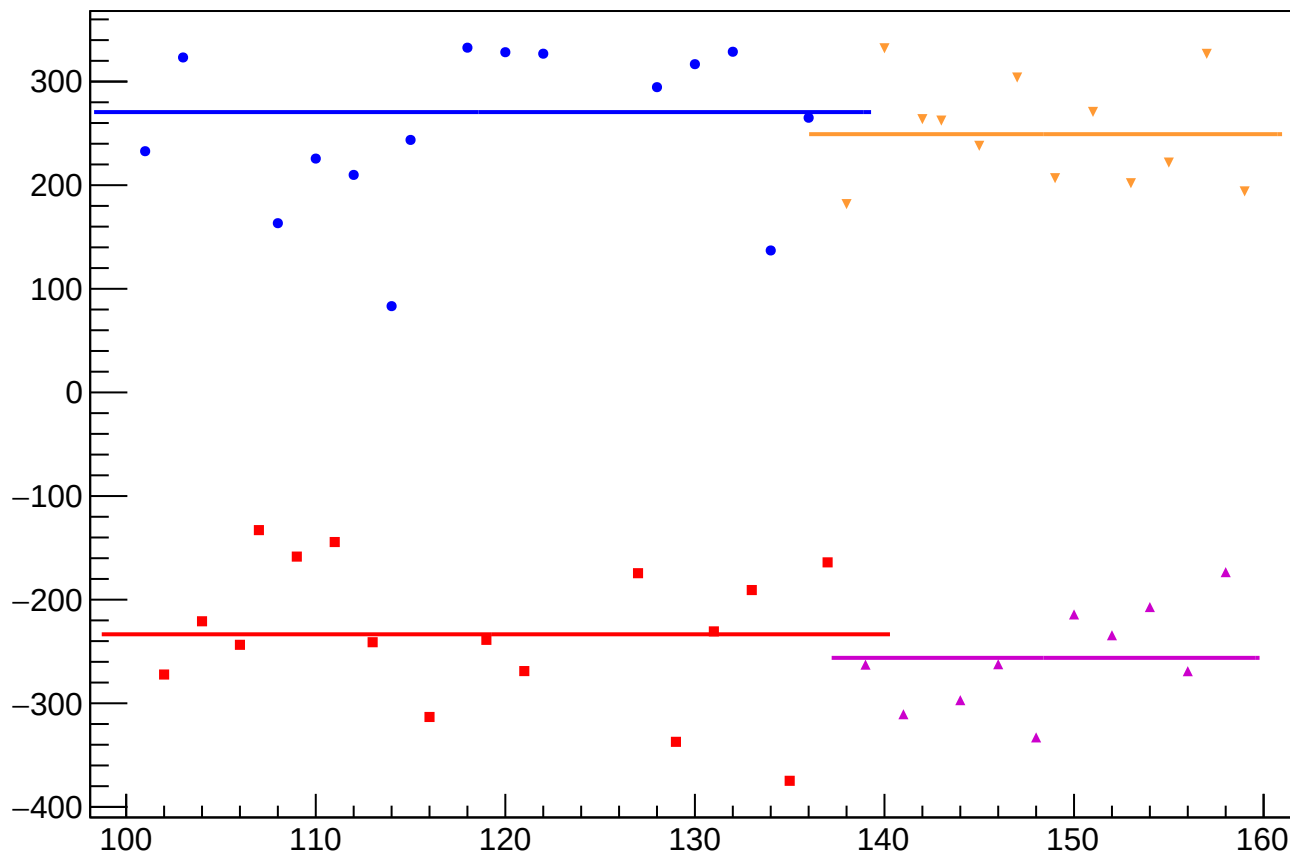
Right: -112.789+/-0.000 χ^2/NDF : 39432514405702

In: 125.527+/-0.000 χ^2/NDF : 34405459053104860

Out: -318.491+/-0.000 χ^2/NDF : 333498948748990

All: -102.603+/-0.000 χ^2/NDF : 69273748299

dit_sam5_coil7_err_mean vs Slug, Sign Corrected



Right In: 270.538+/-0.000

χ^2/NDF : 2473839905347950323907848405170257920.0/14

Left Out: 249.237+/-0.000

χ^2/NDF : 2339906474360292493064044354333573120.0/11

Right Out: -233.421+/-0.000

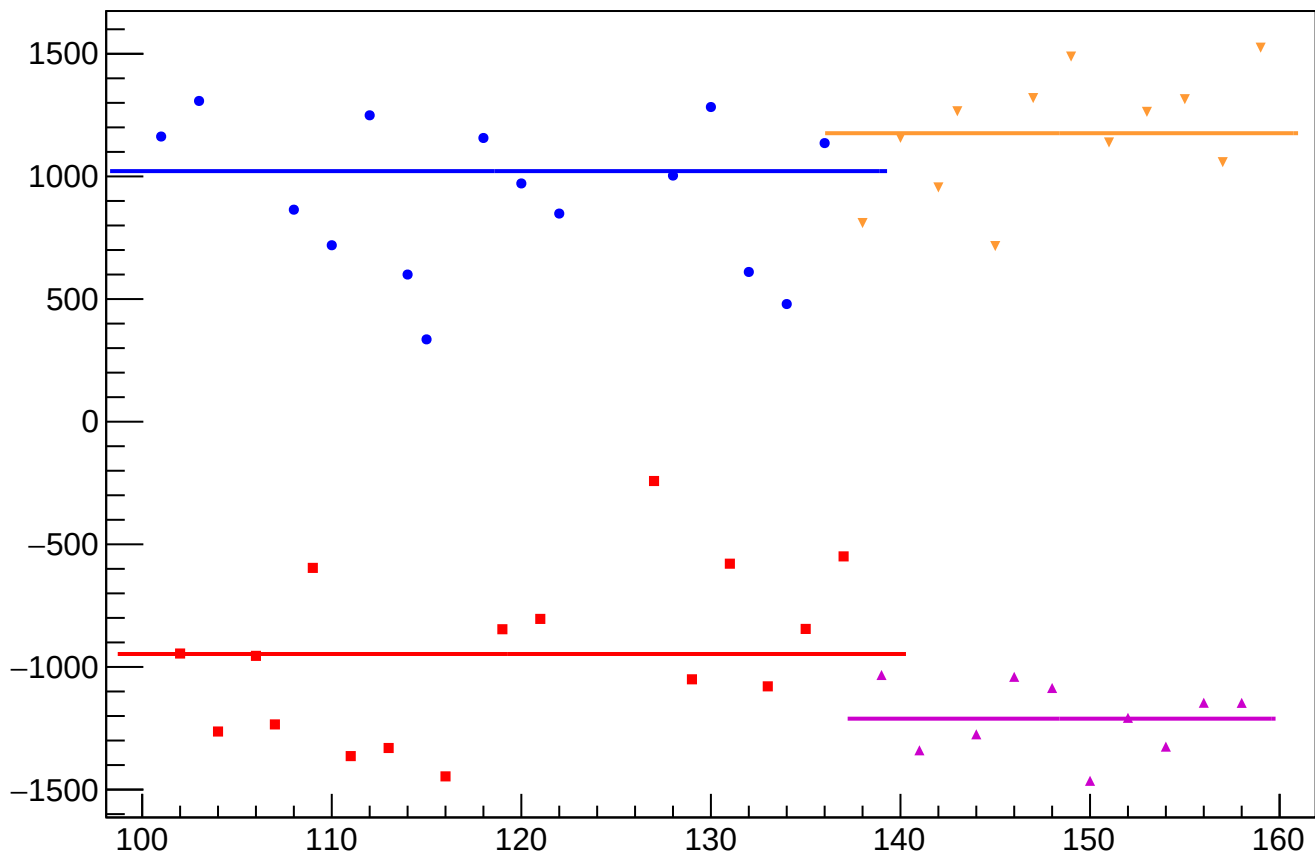
χ^2/NDF : 3048529087317888615064010247743995904.0/15

Left In: -256.156+/-0.000

χ^2/NDF : 1884029289597737409901063282500829184.0/9

All: 9.960+/-0.000 χ^2/NDF : 20601965431783

dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 $\pm$ 0.000

Left Out: 1176.242 $\pm$ 0.000

Right Out: -947.145 $\pm$ 0.000

Left In: -1210.862 $\pm$ 0.000

χ^2 /NDF: 40493101470870278397836276403592495104.0/14

χ^2 /NDF: 53355525796592022882385023198883217408.0/11

χ^2 /NDF: 67784656011936521511169668028018196480.0/15

χ^2 /NDF: 15749271183228525581810721748649246720.0/9

Left: 27.946 $\pm$ 0.000 χ^2 /NDF: 25826954657218163

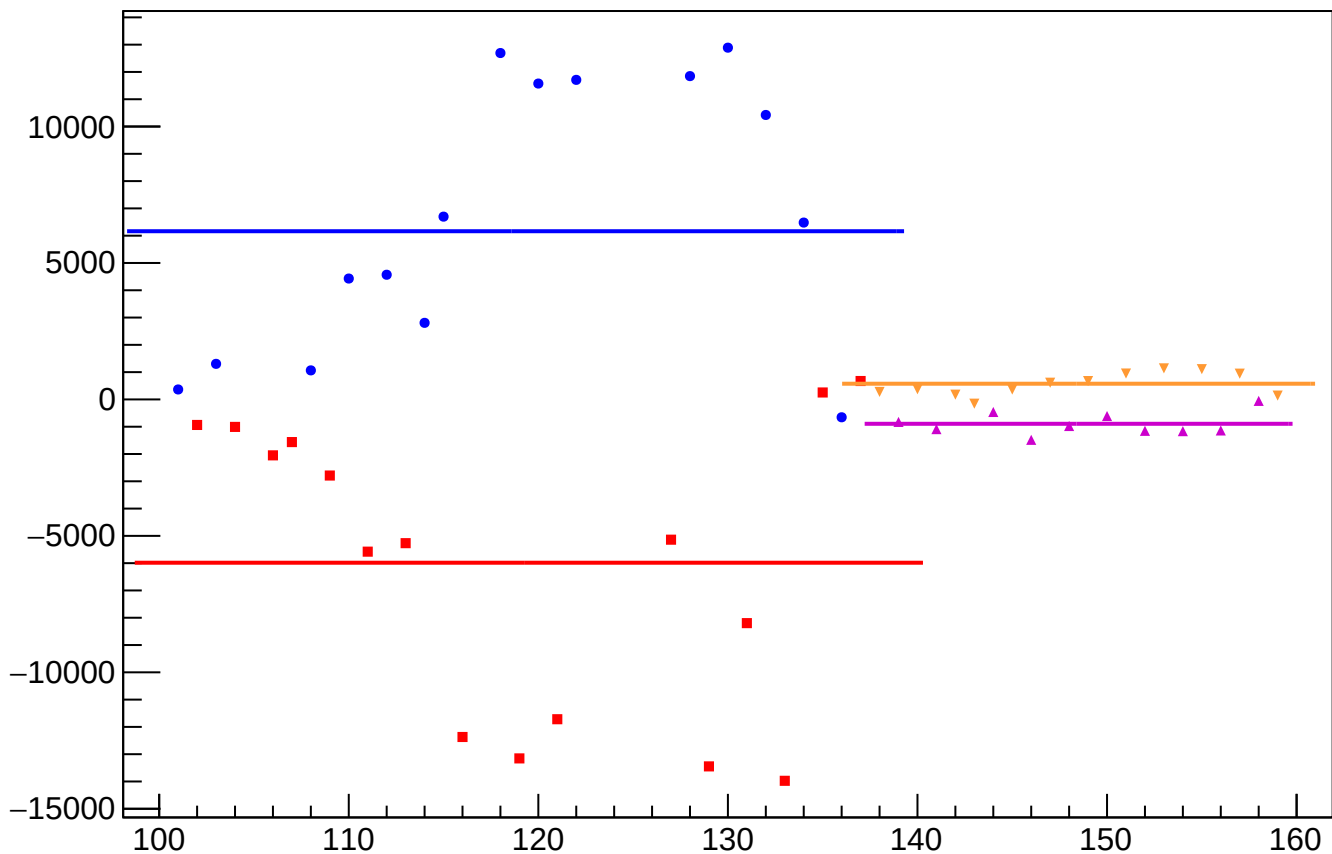
Right: 23.805 $\pm$ 0.000 χ^2 /NDF: 1383338523153511

In: -244.270 $\pm$ 0.000 χ^2 /NDF: 1890511300629015

Out: 282.114 $\pm$ 0.000 χ^2 /NDF: 1862139150205248

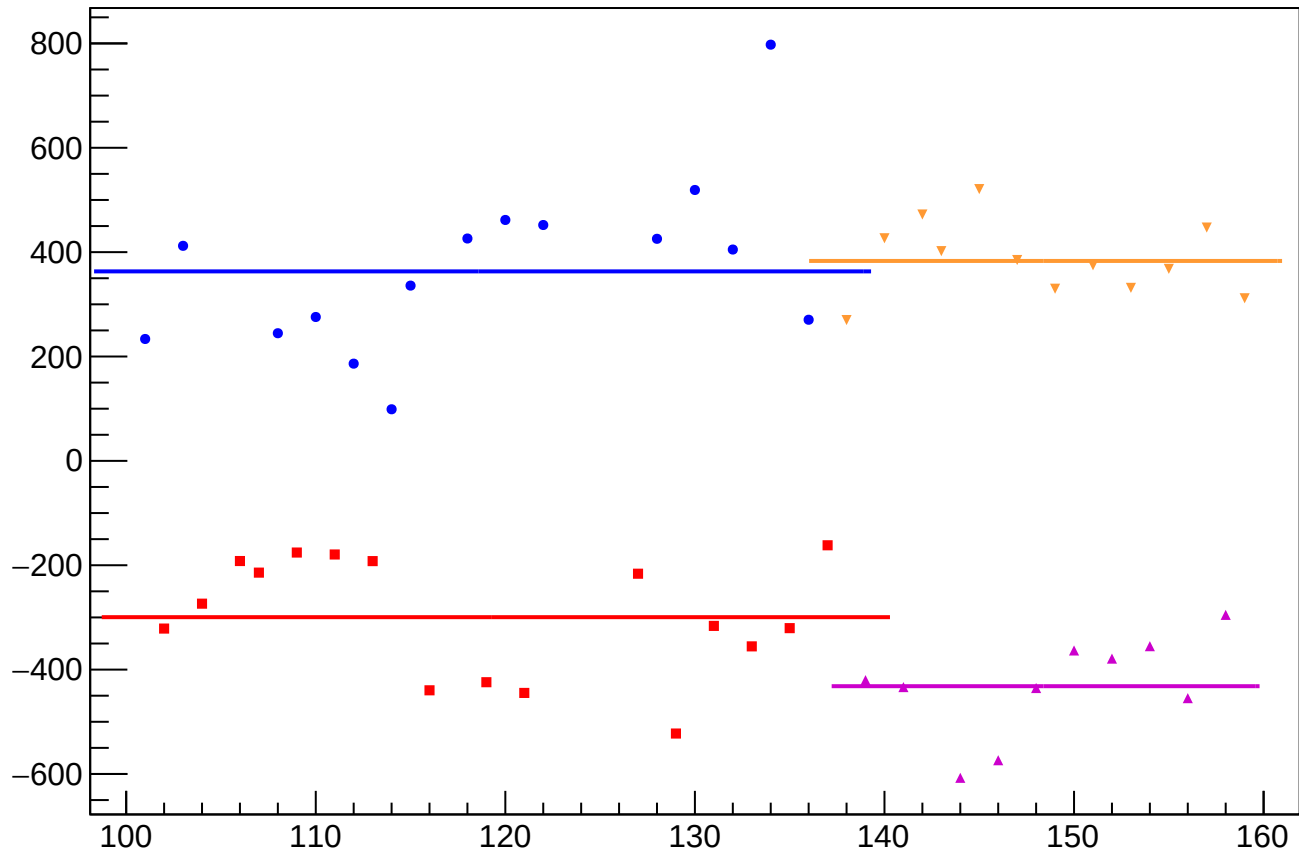
All: 26.178 $\pm$ 0.000 χ^2 /NDF: 3966046926053

dit_sam6_coil7_mean vs Slug, Sign Corrected



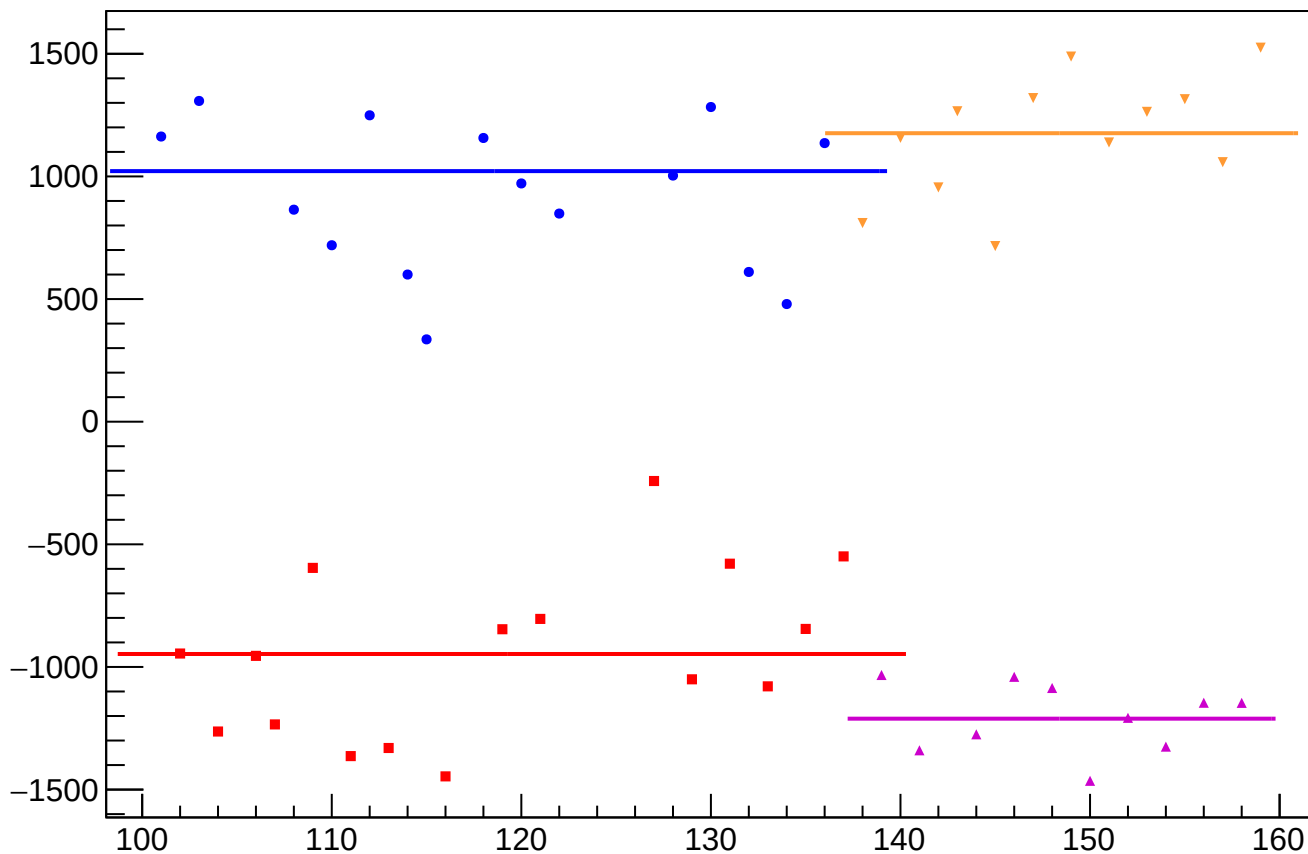
Left: -130.944+/-0.000 χ^2/NDF : 122667405105867
 Right In: 6163.445+/-0.000 χ^2/NDF : 18200622549026770504746300139009854144512.0/14
 Right: 6.710+/-0.000 χ^2/NDF : 84243130977336022
 Left Out: 575.396+/-0.000 χ^2/NDF : 144552913228066781625188443355564998656.0/11
 In: 2162.148+/-0.000 χ^2/NDF : 3665603426836133
 Right Out: -5983.876+/-0.000 χ^2/NDF : 17505201913276273559161088764155841740800.0/15
 Out: -2186.621+/-0.000 χ^2/NDF : 34262878323856
 Left In: -892.959+/-0.000 χ^2/NDF : 131047755249789686641121815372949880832.0/9
 All: -72.185+/-0.000 χ^2/NDF : 854840970697

dit_sam6_coil7_err_mean vs Slug, Sign Corrected



Right In: 363.133+/-0.000 χ^2/NDF : 11502791697076456426435998277995331584.0/14
 Left Out: 383.139+/-0.000 χ^2/NDF : 4300109581526268747828208718091124736.0/11
 Right Out: -299.514+/-0.000 χ^2/NDF : 7685497318744225218354652828984672256.0/15
 Left In: -431.792+/-0.000 χ^2/NDF : 7174063216478027142847440351737675776.0/9
 All: 6.556+/-0.000 χ^2/NDF : 46903602099748

dit_sam6_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

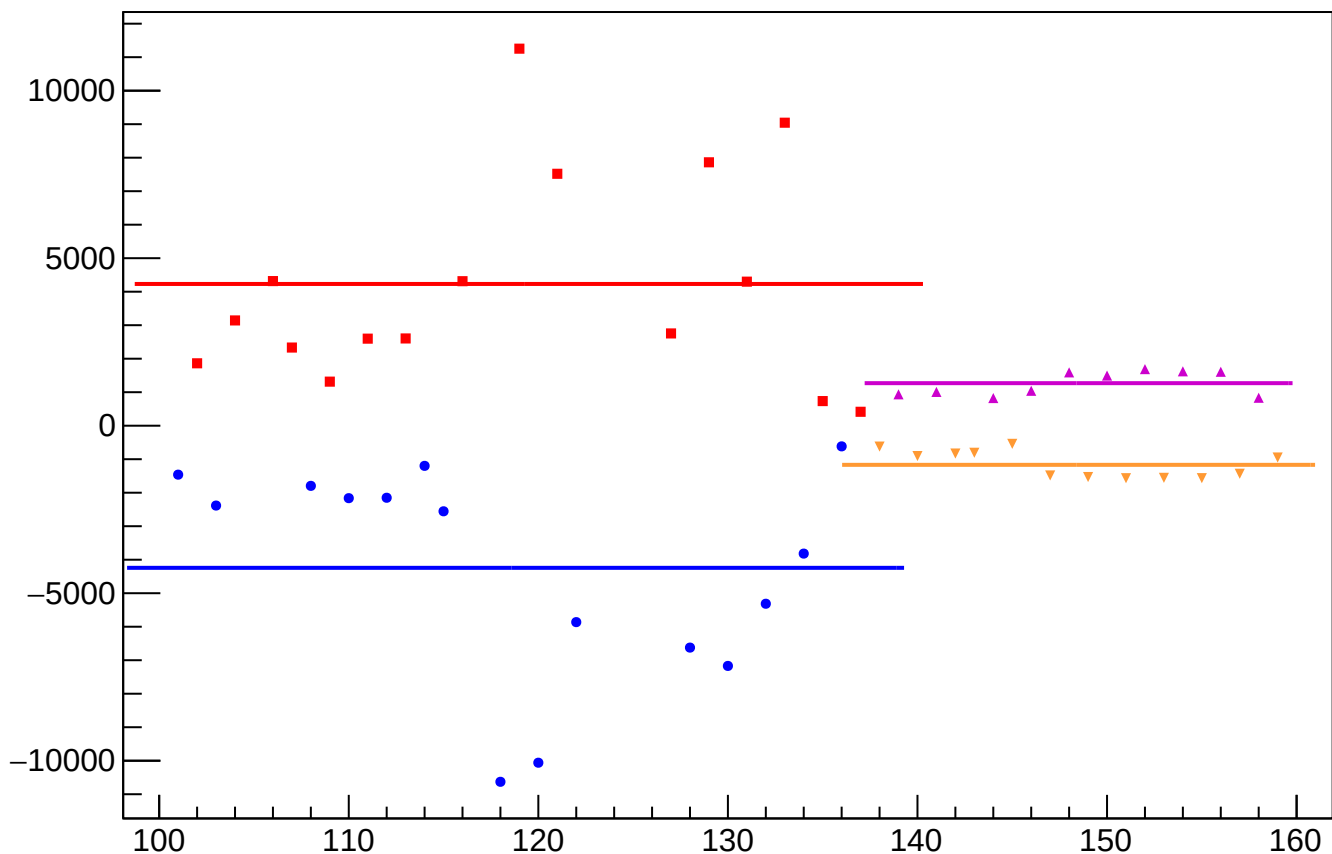
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1210.862 +/- 0.000

χ^2/NDF : 15749271183228525581810721748649246720.0/9

All: 26.178 +/- 0.000 χ^2/NDF : 3966046926053

dit_sam7_coil7_mean vs Slug, Sign Corrected



Right In: -4242.174+/-0.000

Left Out: -1167.950+/-0.000

Right Out: 4230.978+/-0.000

Left In: 1269.859+/-0.000

χ^2/NDF : 6783472272174151371145601081742110752768.0/14

χ^2/NDF : 140593267041981181070281289588583432192.0/11

χ^2/NDF : 6682409528103016752204343573740930465792.0/15

χ^2/NDF : 101084733468651332171015254008762728448.0/9

Left: 4.737+/-0.000 χ^2/NDF : 286318619824723695

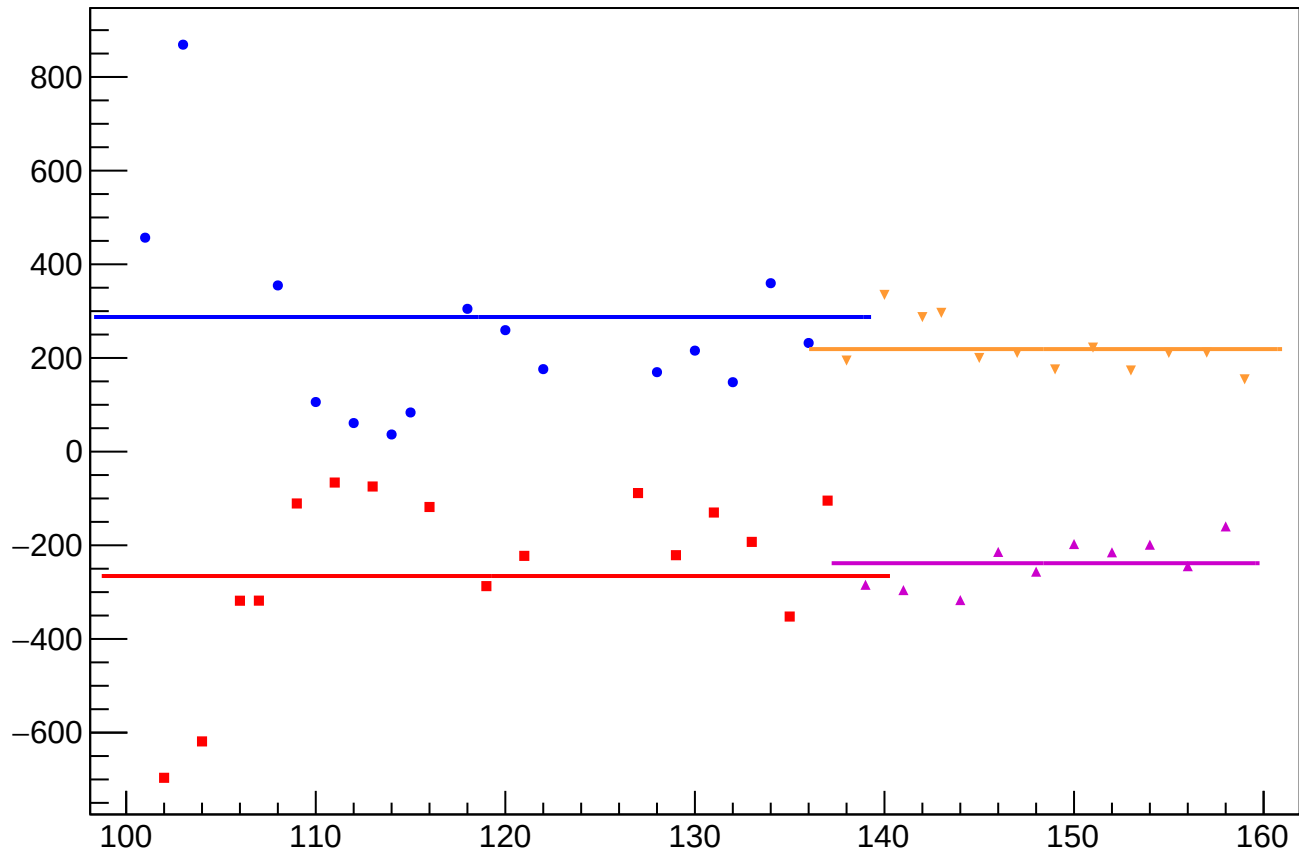
Right: 52.349+/-0.000 χ^2/NDF : 3708179263230228

In: -1116.605+/-0.000 χ^2/NDF : 180656873679016

Out: 1105.462+/-0.000 χ^2/NDF : 180782523773145

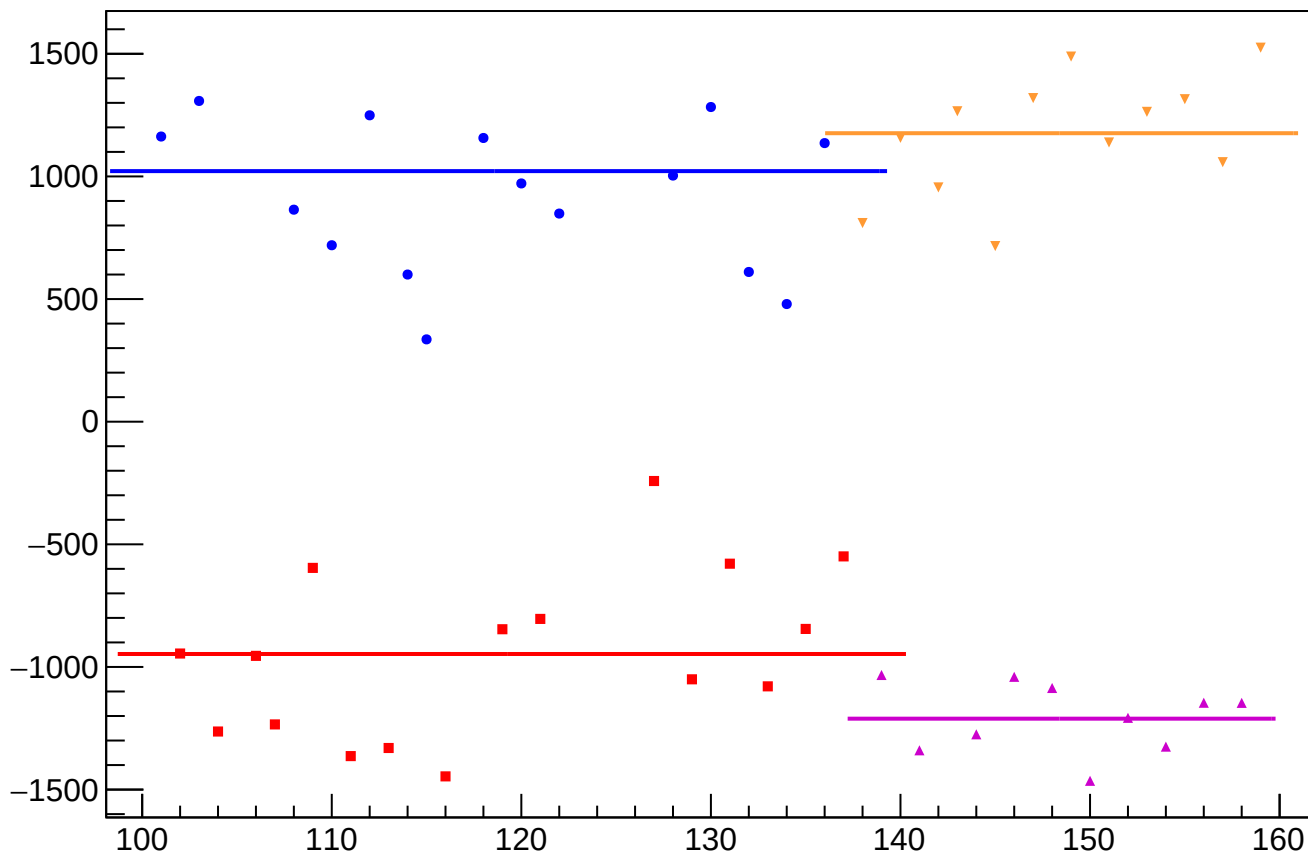
All: 25.060+/-0.000 χ^2/NDF : 3994668866568

dit_sam7_coil7_err_mean vs Slug, Sign Corrected



Right In: 287.460 +/- 0.000 χ^2/NDF : 29517044144826155936619151581366976512.0/14
 Left Out: 218.953 +/- 0.000 χ^2/NDF : 2475213997163419950481199473566416896.0/11
 Right Out: -265.593 +/- 0.000 χ^2/NDF : 25843263106329059274985499259066908672.0/15
 Left In: -238.254 +/- 0.000 χ^2/NDF : 1920939642560723375931474619937062912.0/9
 All: 2.489 +/- 0.000 χ^2/NDF : 25262786967000

dit_sam7_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 $\pm$ 0.000

Left Out: 1176.242 $\pm$ 0.000

Right Out: -947.145 $\pm$ 0.000

Left In: -1210.862 $\pm$ 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 15749271183228525581810721748649246720.0/9

Left: 27.946 $\pm$ 0.000 χ^2/NDF : 25826954657218163

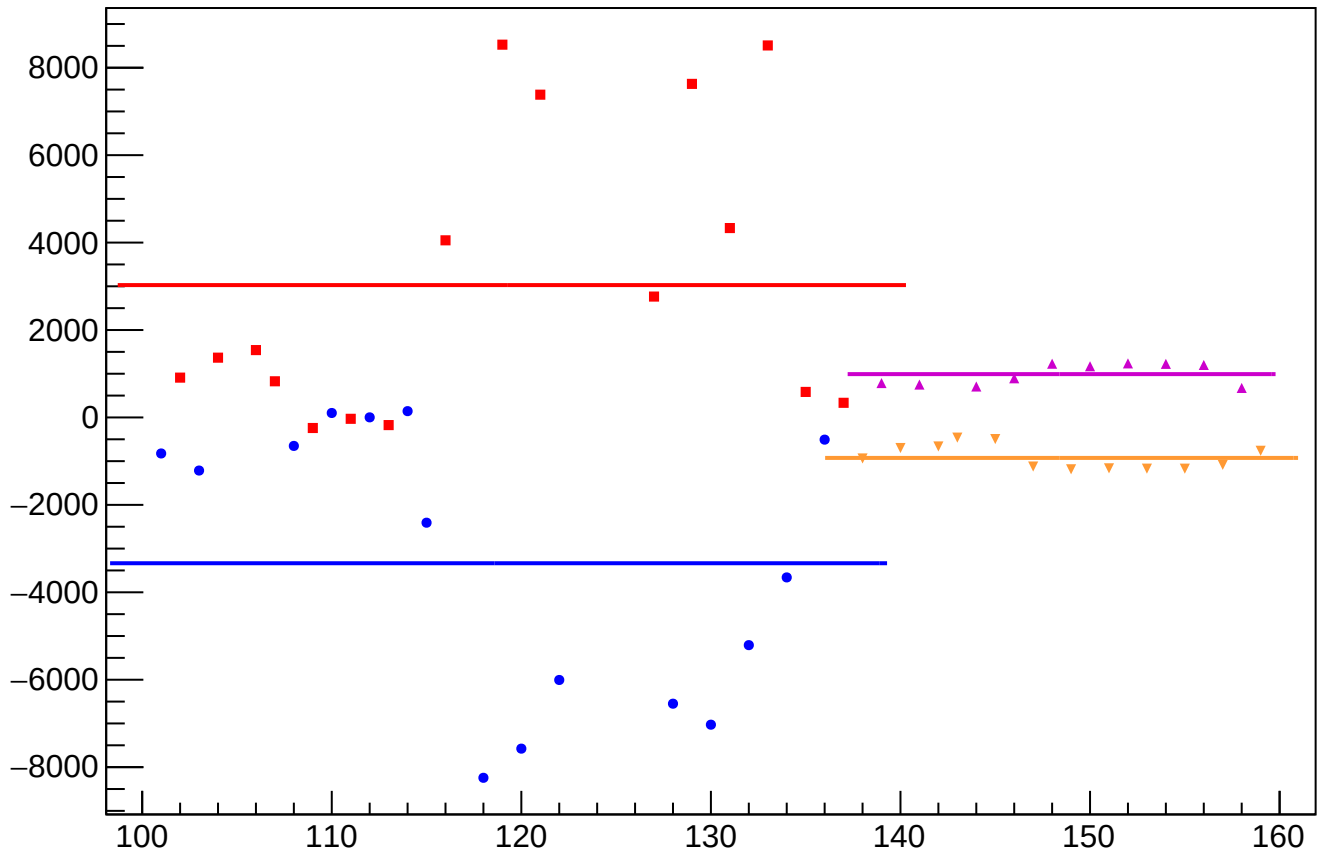
Right: 23.805 $\pm$ 0.000 χ^2/NDF : 1383338523153511

In: -244.270 $\pm$ 0.000 χ^2/NDF : 1890511300629015

Out: 282.114 $\pm$ 0.000 χ^2/NDF : 1862139150205248

All: 26.178 $\pm$ 0.000 χ^2/NDF : 3966046926053

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

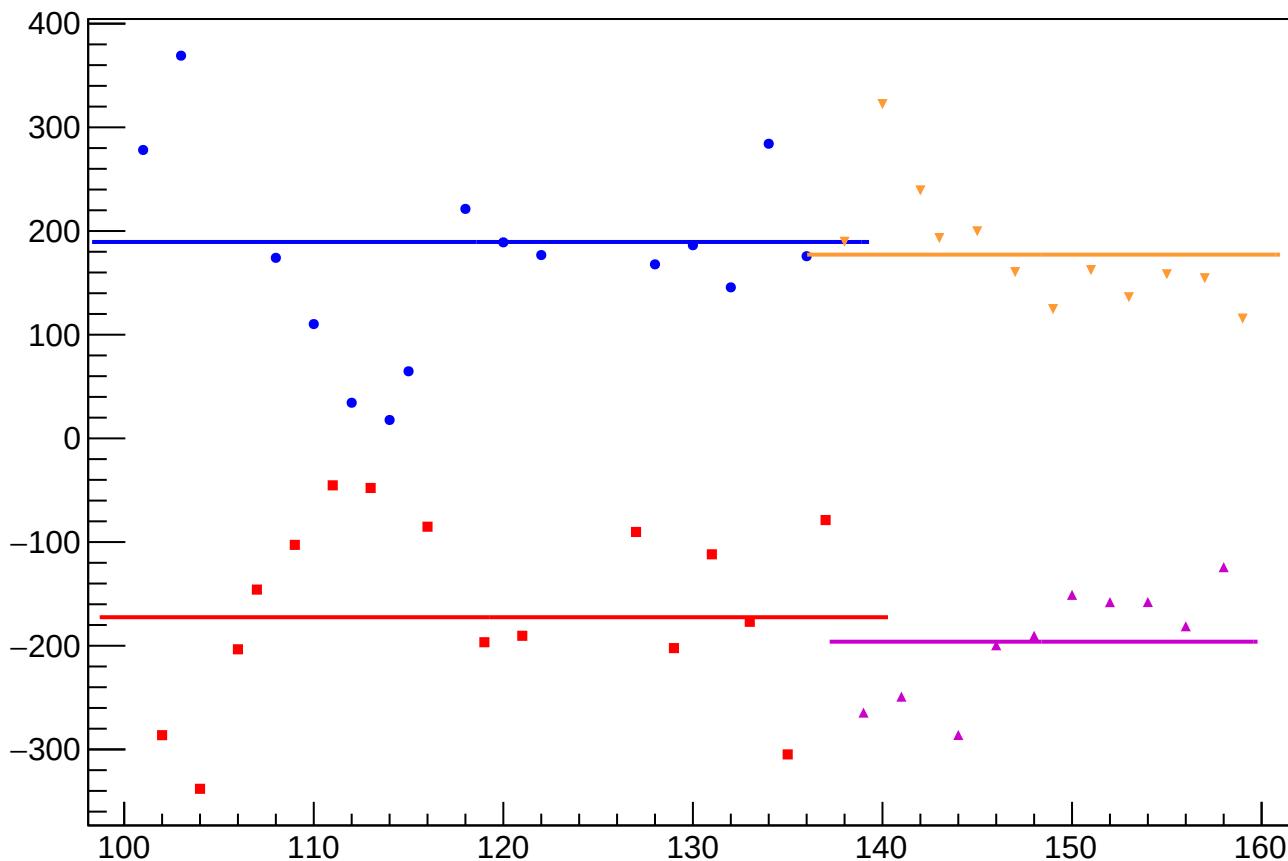
χ^2/NDF : 7086157086694396583090903767581326311424.0/15

Left In: 991.040+/-0.000

χ^2/NDF : 45614304347382259427147211459432284160.0/9

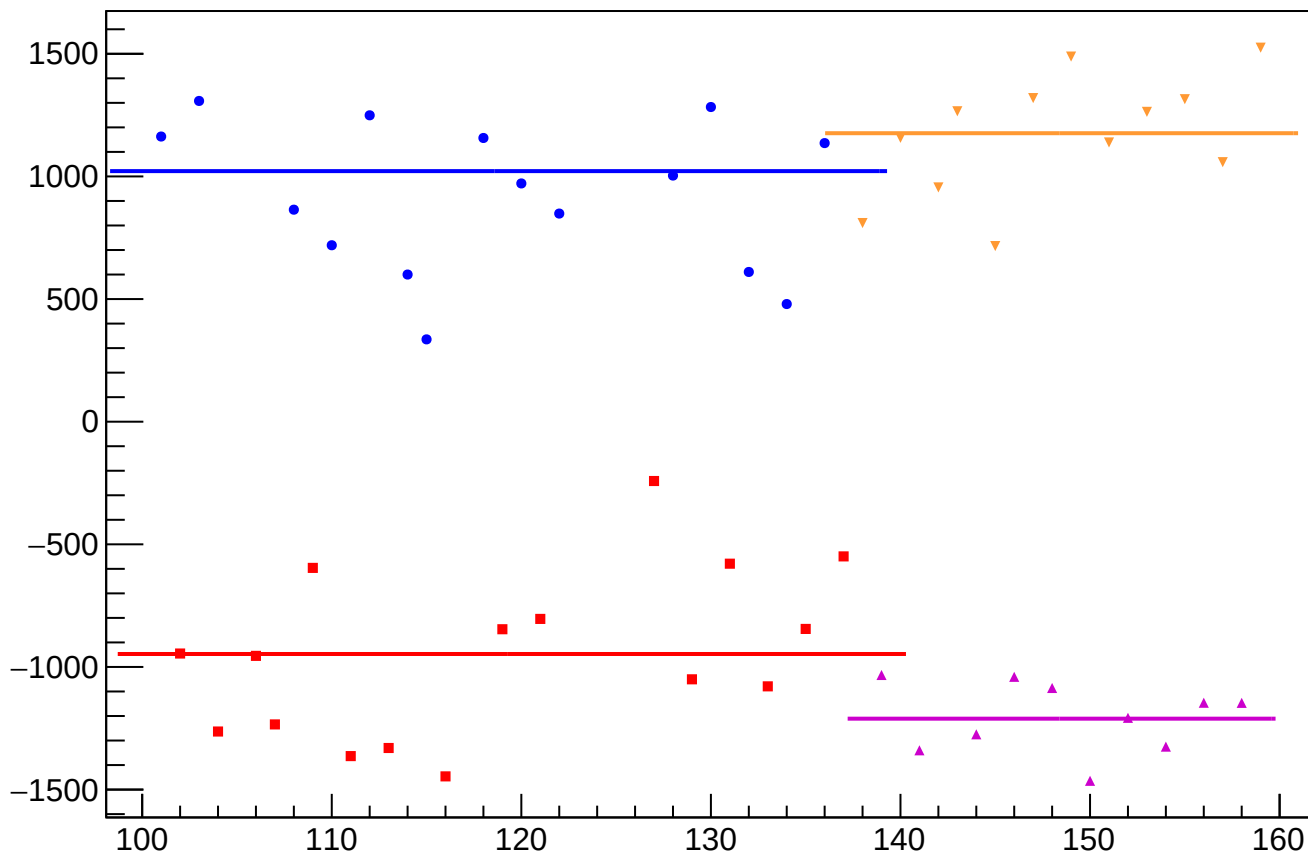
All: -49.230+/-0.000 χ^2/NDF : 284807768217

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: -196.090 +/- 0.000 χ^2/NDF : 2220930284767266763162375565934067712.0/9
 All: 1.214 +/- 0.000 χ^2/NDF : 11990414924980

dit_sam8_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

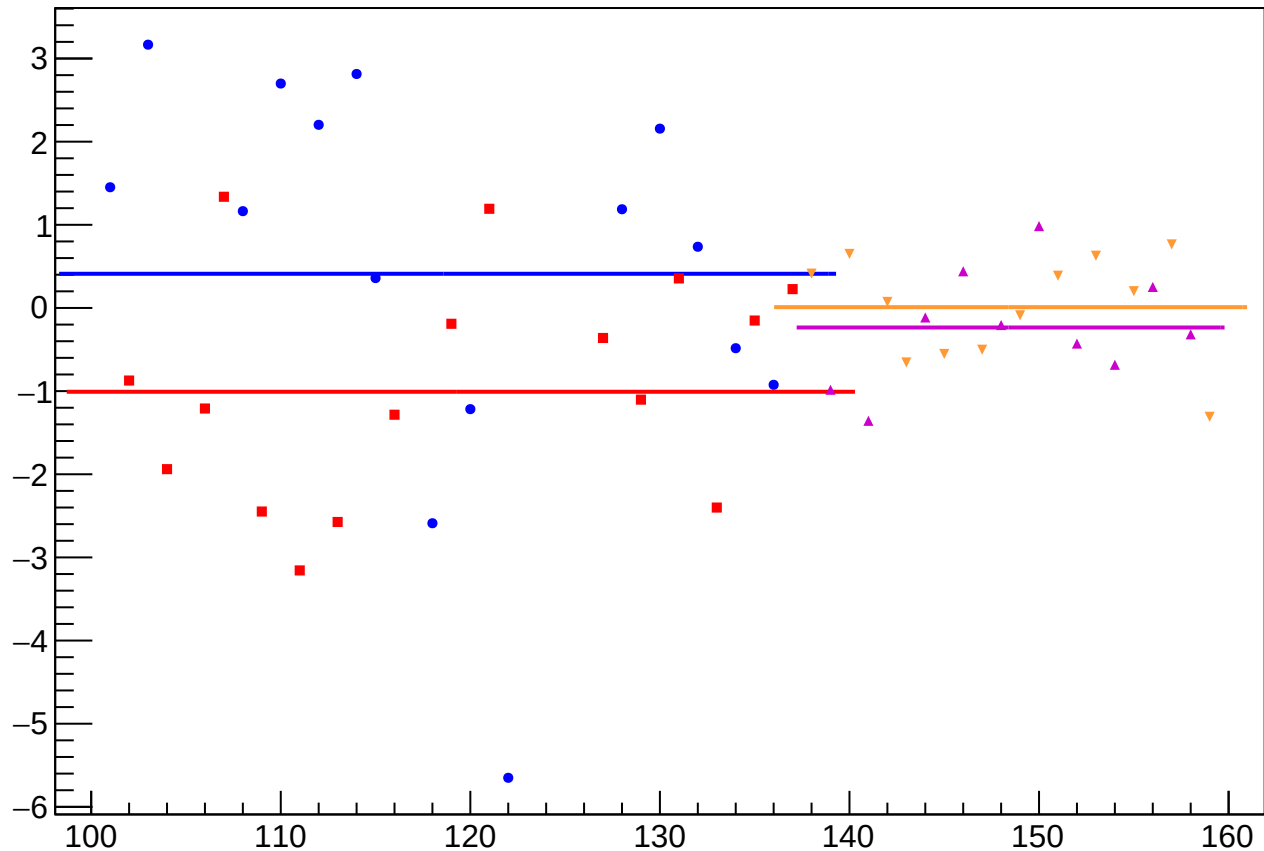
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1210.862 +/- 0.000

χ^2/NDF : 15749271183228525581810721748649246720.0/9

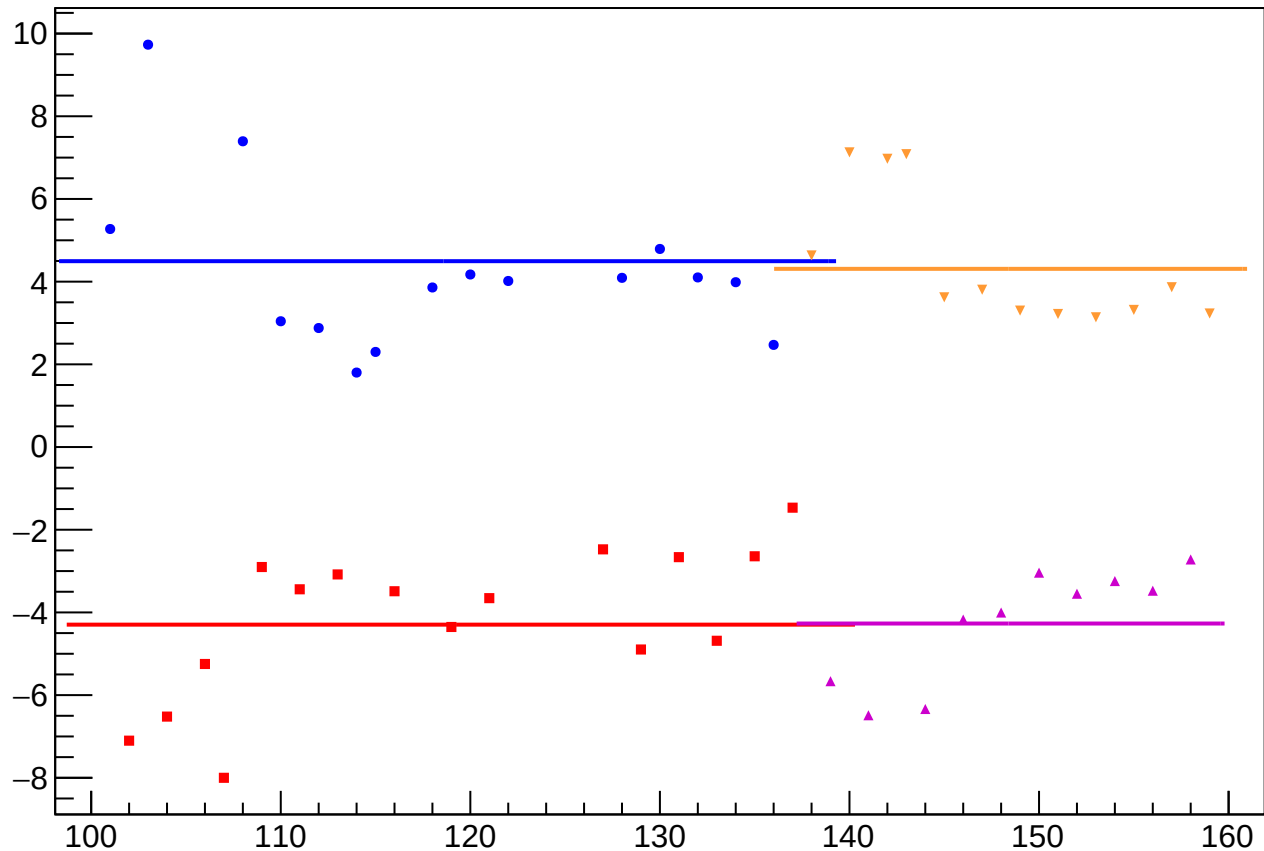
All: 26.178 +/- 0.000 χ^2/NDF : 3966046926053

dit_4aX_coil4_mean vs Slug, Sign Corrected



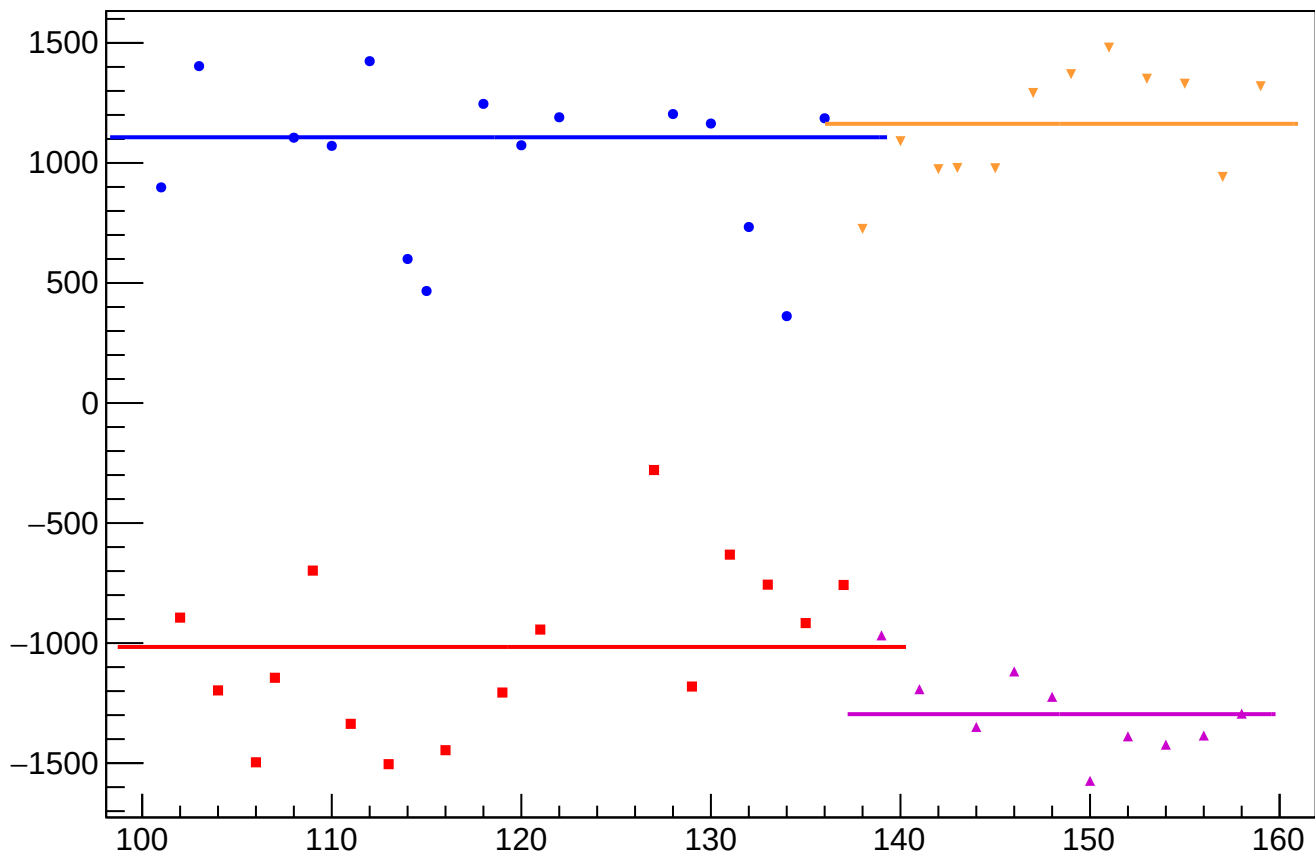
Right In: 0.411 ± 0.000 $\chi^2/\text{NDF}: 3385573506255563170053089820409856.0/14$
 Left In: -0.235 ± 0.000 $\chi^2/\text{NDF}: 367699285581260064653260611387392.0/9$
 Right Out: 0.010 ± 0.000 $\chi^2/\text{NDF}: 353620786406369007663734375579648.0/11$
 Left Out: -1.008 ± 0.000 $\chi^2/\text{NDF}: 1128402228144096394498047410700288.0/15$
 All: -0.193 ± 0.000 $\chi^2/\text{NDF}: 5954177275561$

dit_4aX_coil4_err_mean vs Slug, Sign Corrected



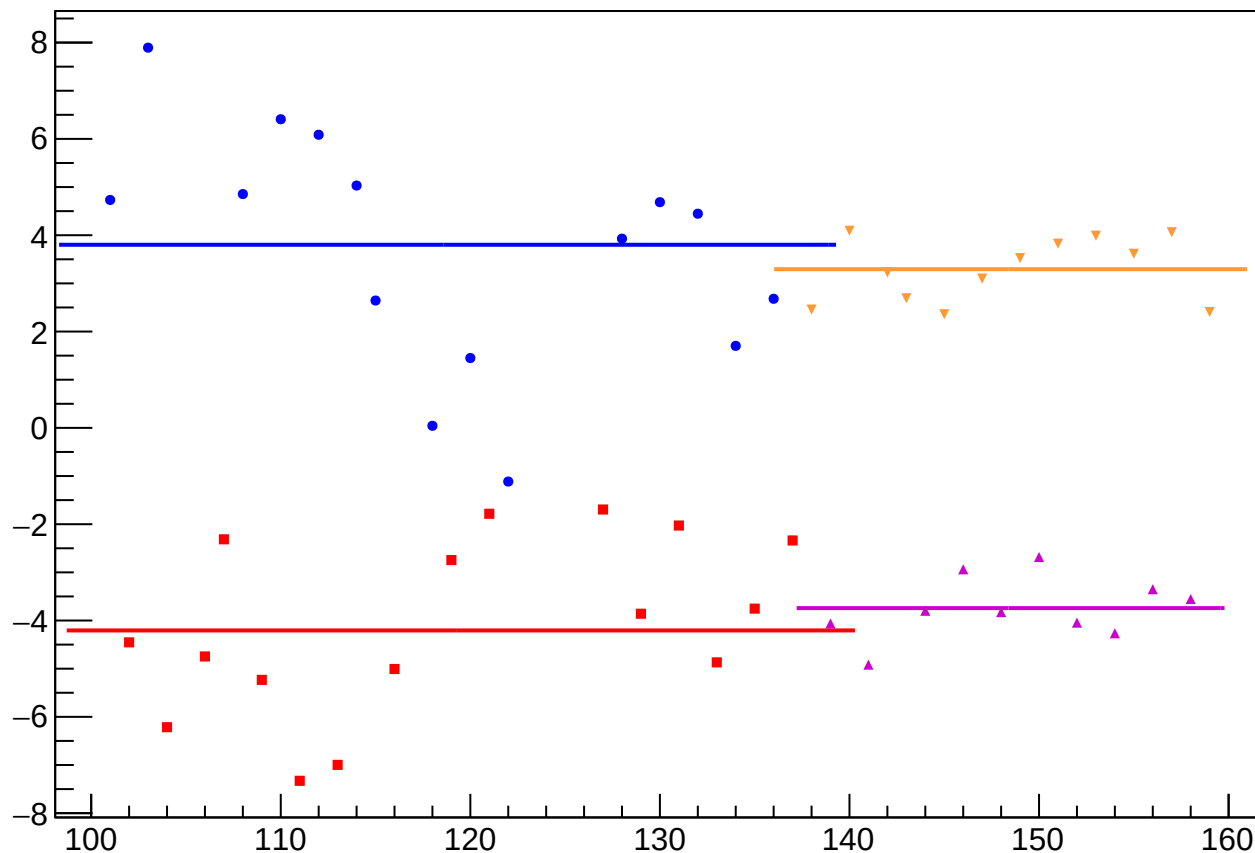
Right In: 4.495 $\pm$ 0.000 χ^2 /NDF: 2742240072441097531500728791597056.0/14
 Left Out: 4.310 $\pm$ 0.000 χ^2 /NDF: 2040592298318690802405823572082688.0/11
 Right Out: -4.296 $\pm$ 0.000 χ^2 /NDF: 2011925707062051890381007475441664.0/15
 Left In: -4.269 $\pm$ 0.000 χ^2 /NDF: 1484586939815516098274346070441984.0/9
 All: 0.122 $\pm$ 0.000 χ^2 /NDF: 66174082319924

dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected



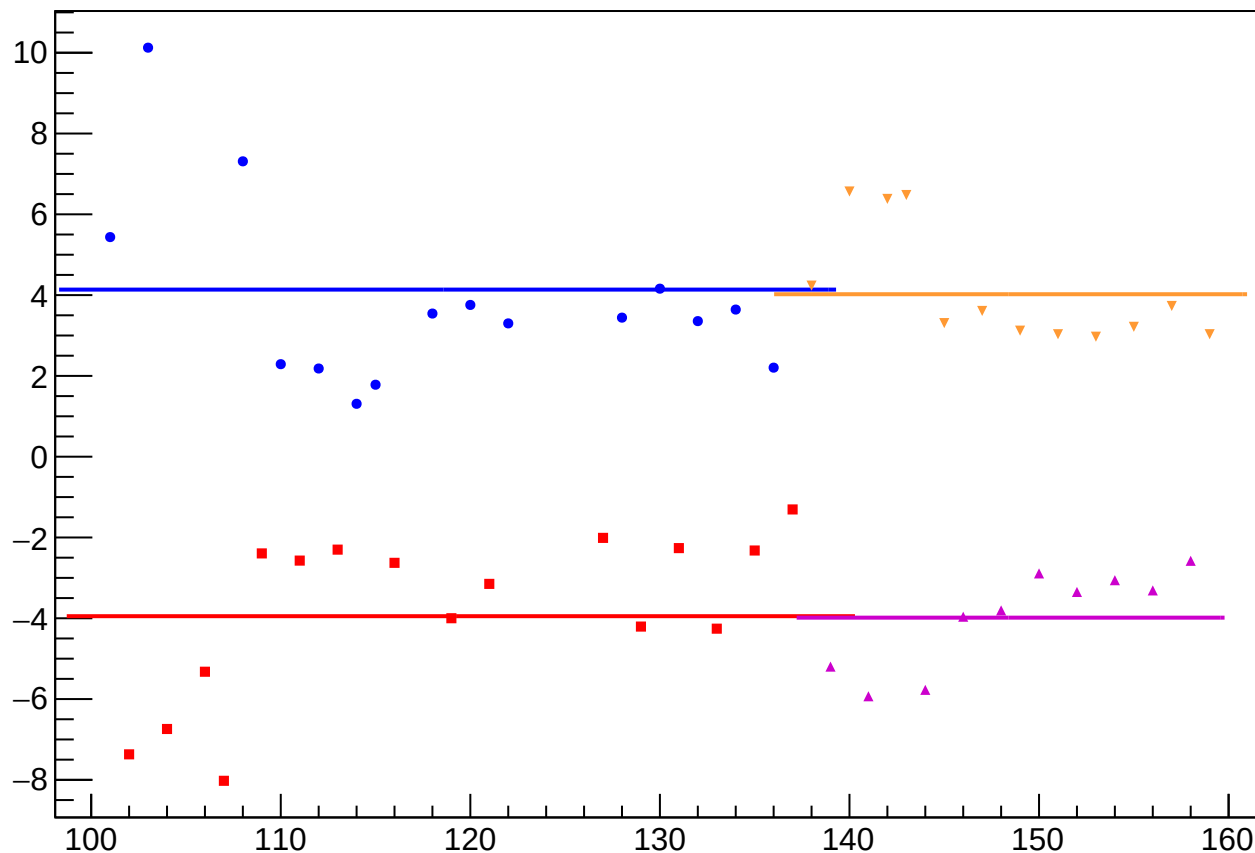
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -19.870+/-0.000	χ^2/NDF : 2736005092073010
Left Out: 1163.051+/-0.000	χ^2/NDF : 45744768397049445452124121981603807232.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -255.605+/-0.000	χ^2/NDF : 2188632812715487
Left In: -1296.034+/-0.000	χ^2/NDF : 22794126955598242846656326276143382528.0/9	Out: 245.439+/-0.000	χ^2/NDF : 1951966106757194
	All: 1.824+/-0.000		χ^2/NDF : 43339447125741

dit_4eX_coil4_mean vs Slug, Sign Corrected



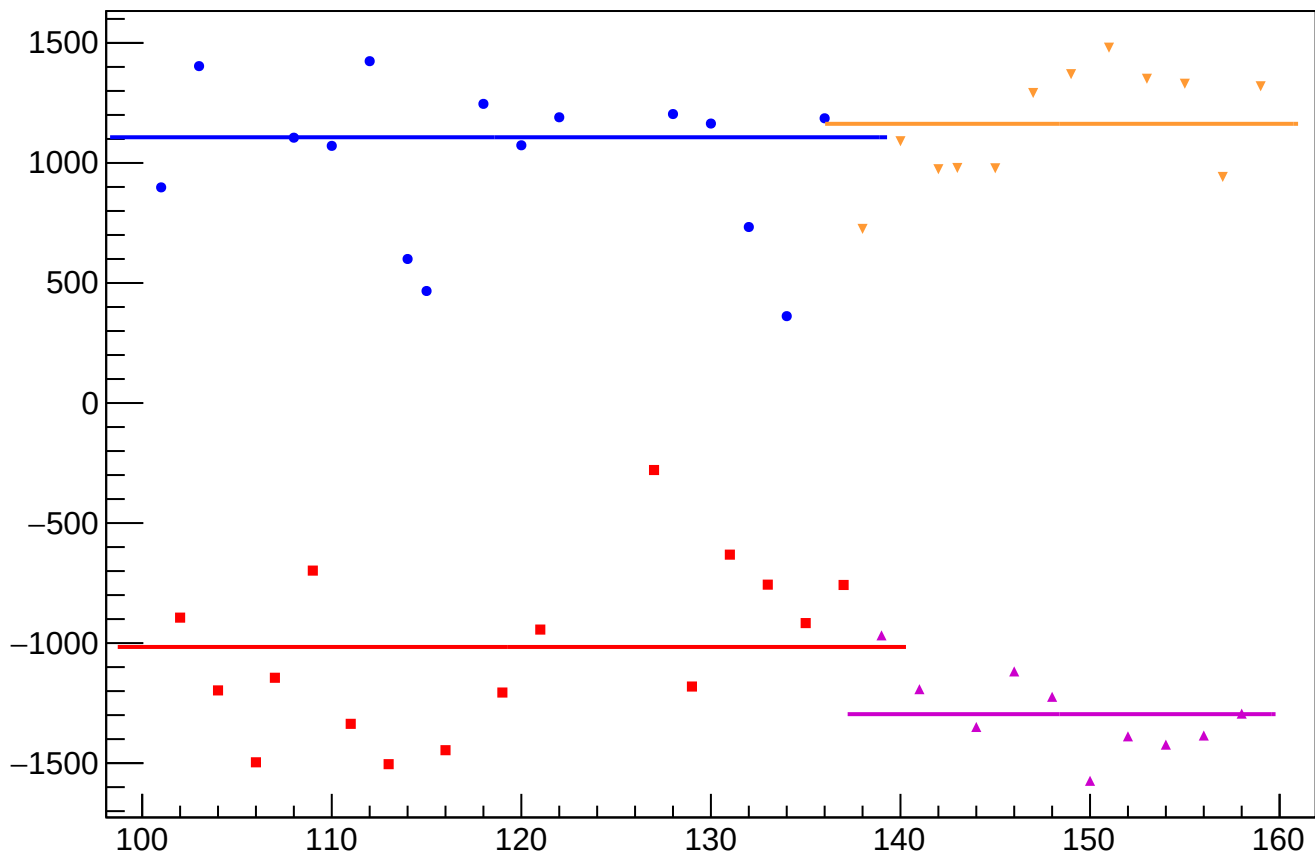
Right In: 3.802 ± 0.000 $\chi^2/\text{NDF}: 3795476074398338930564700657680384.0/14$
 Left Out: 3.295 ± 0.000 $\chi^2/\text{NDF}: 390847239589673517583250386583552.0/11$
 Right Out: -4.206 ± 0.000 $\chi^2/\text{NDF}: 2096427813341454573332265183477760.0/15$
 Left In: -3.742 ± 0.000 $\chi^2/\text{NDF}: 329928469564938674321277168123904.0/9$
 All: -0.161 ± 0.000 $\chi^2/\text{NDF}: 4957072851103$

dit_4eX_coil4_err_mean vs Slug, Sign Corrected



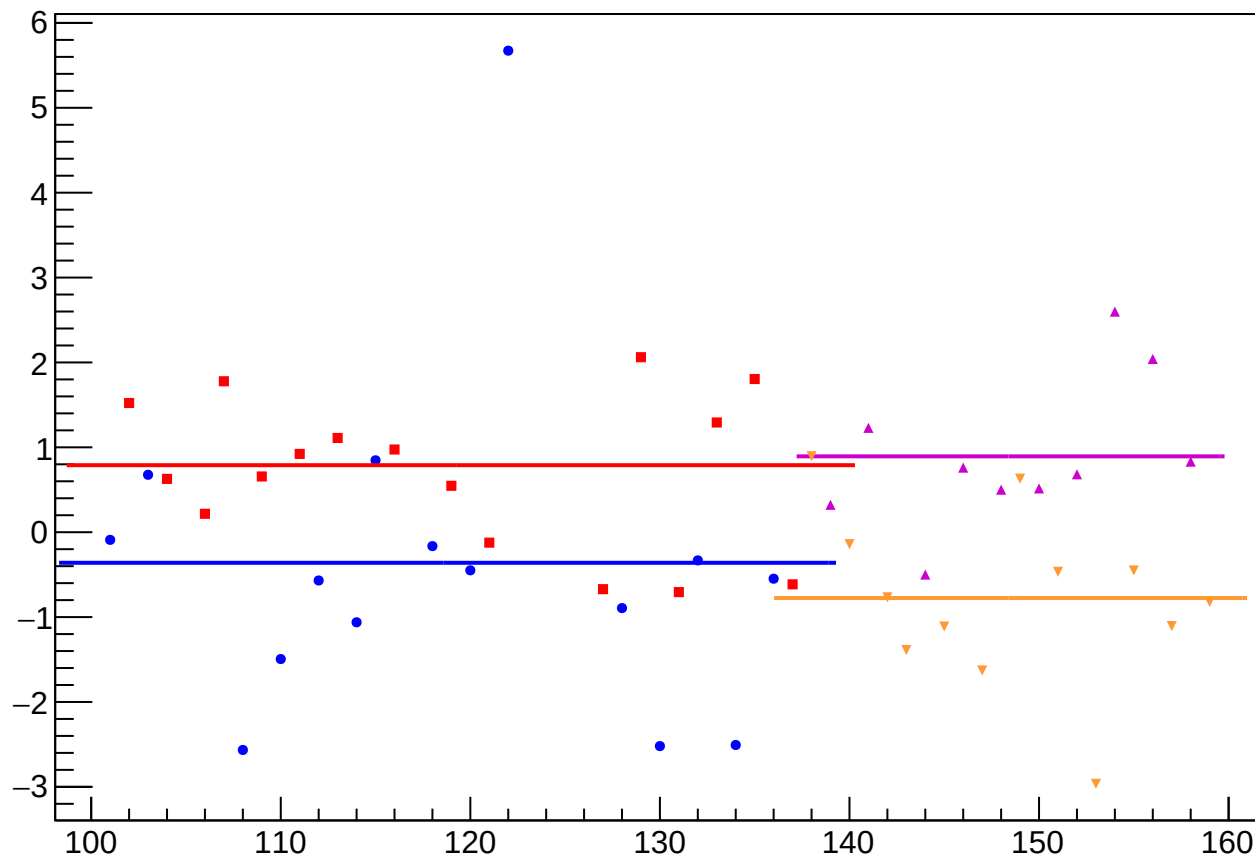
Right In: 4.136 ± 0.000 $\chi^2/\text{NDF}: 3507600624388663919898505496231936.0/14$
 Left Out: 4.022 ± 0.000 $\chi^2/\text{NDF}: 1623918055405441678672358958694400.0/11$
 Right Out: -3.948 ± 0.000 $\chi^2/\text{NDF}: 2670176783942302028345551100051456.0/15$
 Left In: -3.985 ± 0.000 $\chi^2/\text{NDF}: 1145536065762958556872020890484736.0/9$
 All: 0.114 ± 0.000 $\chi^2/\text{NDF}: 58739293835733$

dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected



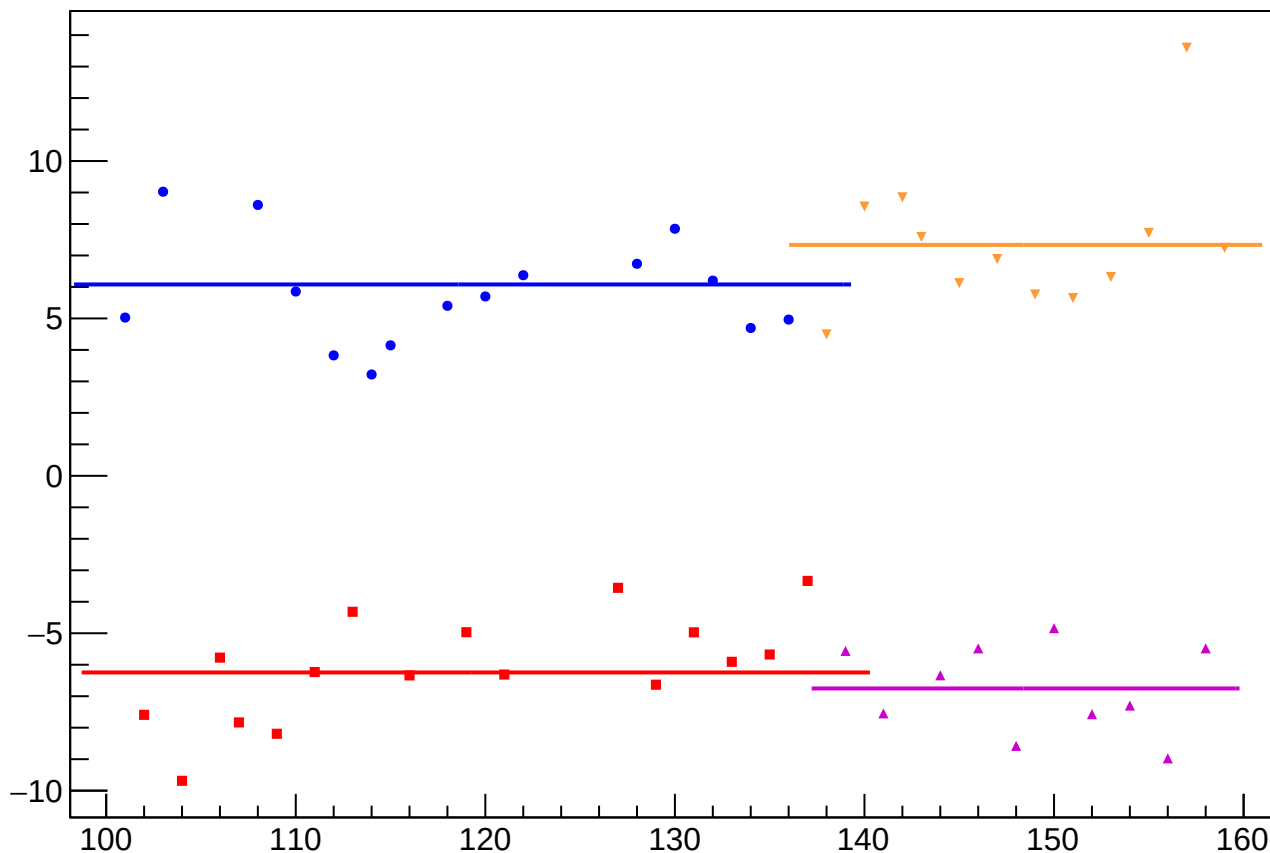
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

dit_11X12X_coil4_mean vs Slug, Sign Corrected



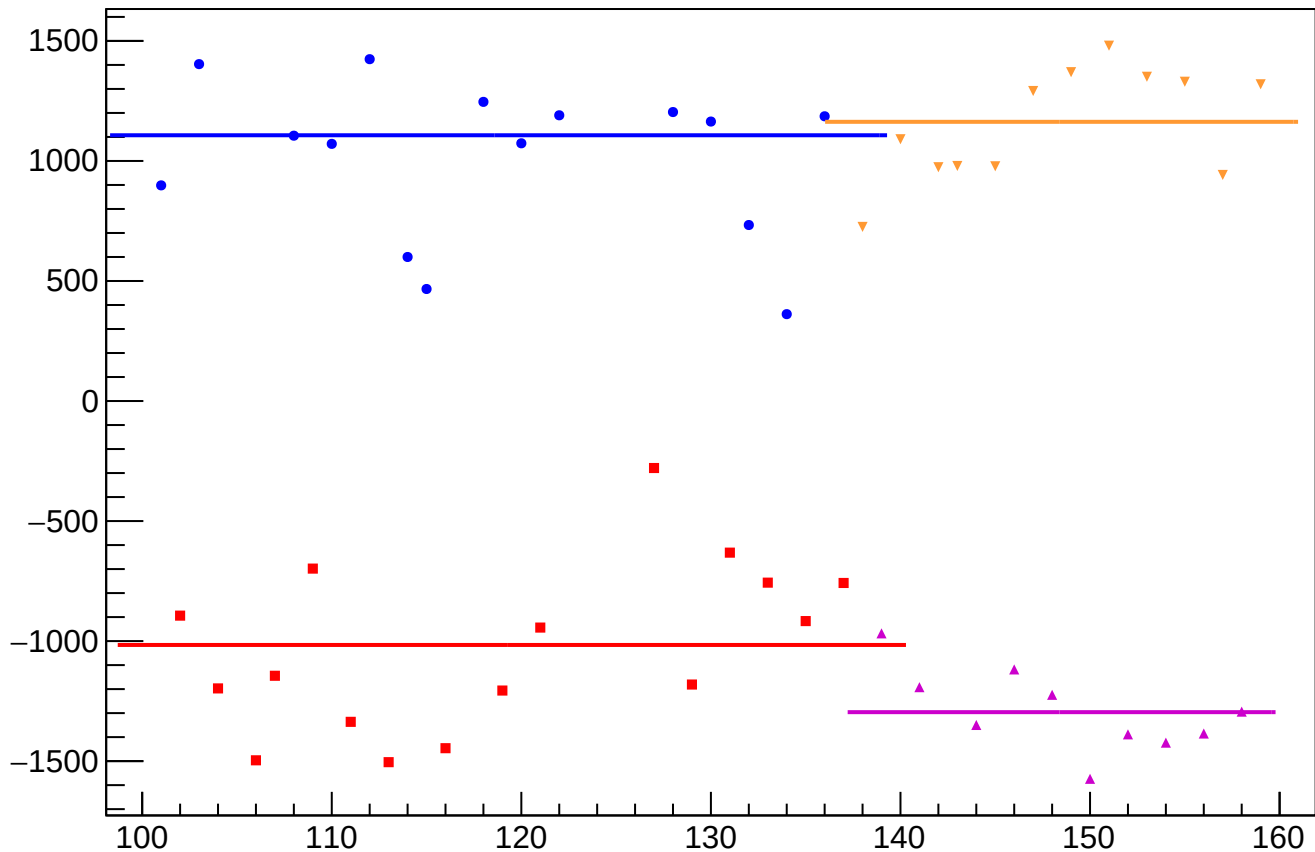
Right In: -0.360 ± 0.000 χ^2/NDF : 2180256348790896849346212178952192.0/14
 Left Out: -0.776 ± 0.000 χ^2/NDF : 939757082215191020614021048958976.0/11
 Right Out: 0.790 ± 0.000 χ^2/NDF : 463078369073343959803422903894016.0/15
 Left In: 0.894 ± 0.000 χ^2/NDF : 6043294366514561310436065738752.0/9
 All: 0.111 ± 0.000 χ^2/NDF : 58804064449654

dit_11X12X_coil4_err_mean vs Slug, Sign Corrected



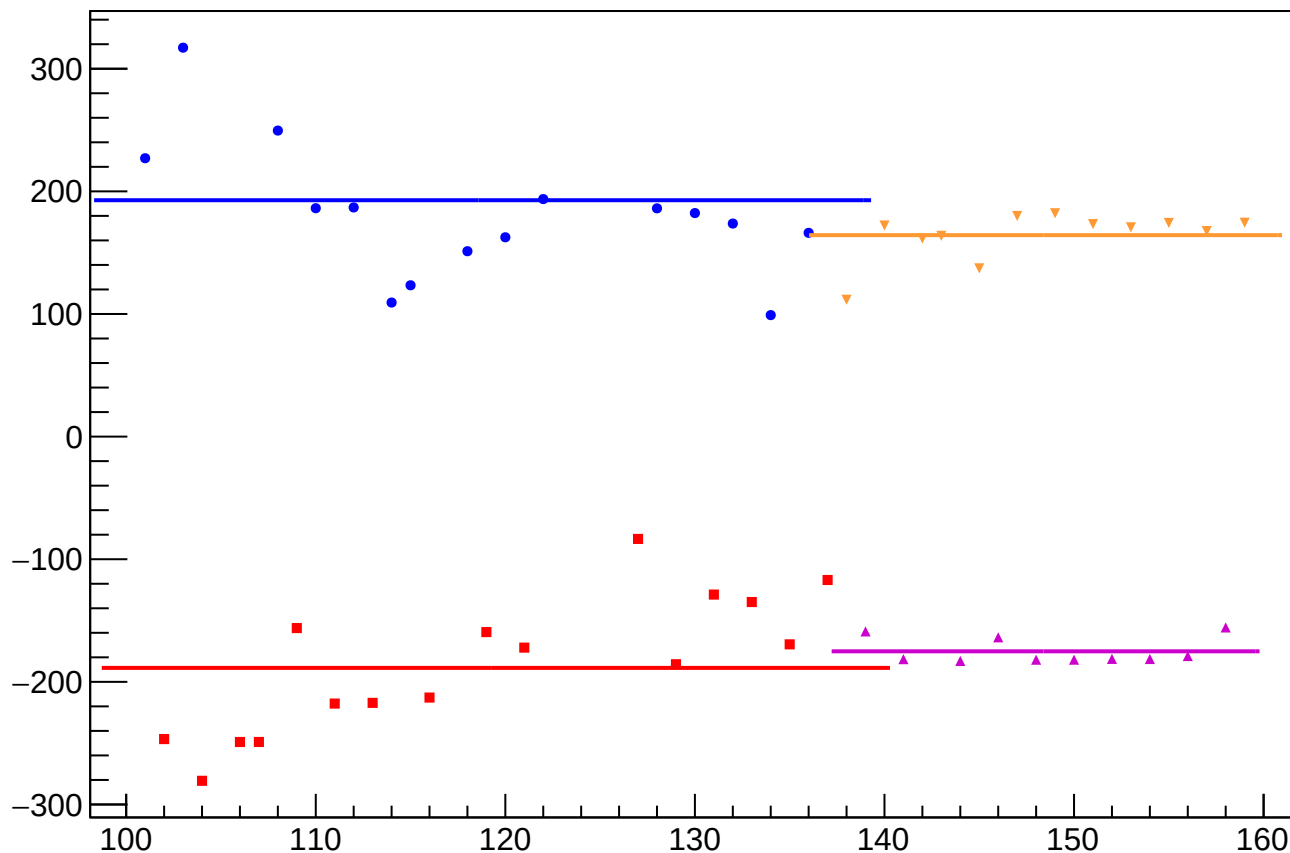
Right In: 6.079 ± 0.000 $\chi^2/\text{NDF}: 1590295171022705157509900448825344.0/14$
 Left Out: 7.336 ± 0.000 $\chi^2/\text{NDF}: 4625628833201139991267353991053312.0/11$
 Right Out: -6.245 ± 0.000 $\chi^2/\text{NDF}: 1816529163105006938510976985595904.0/15$
 Left In: -6.754 ± 0.000 $\chi^2/\text{NDF}: 1542071487249915224190953696788480.0/9$
 All: 0.248 ± 0.000 $\chi^2/\text{NDF}: 14750550808422$

dit_11X12X_coil4_Ndata_mean vs Slug, Sign Corrected



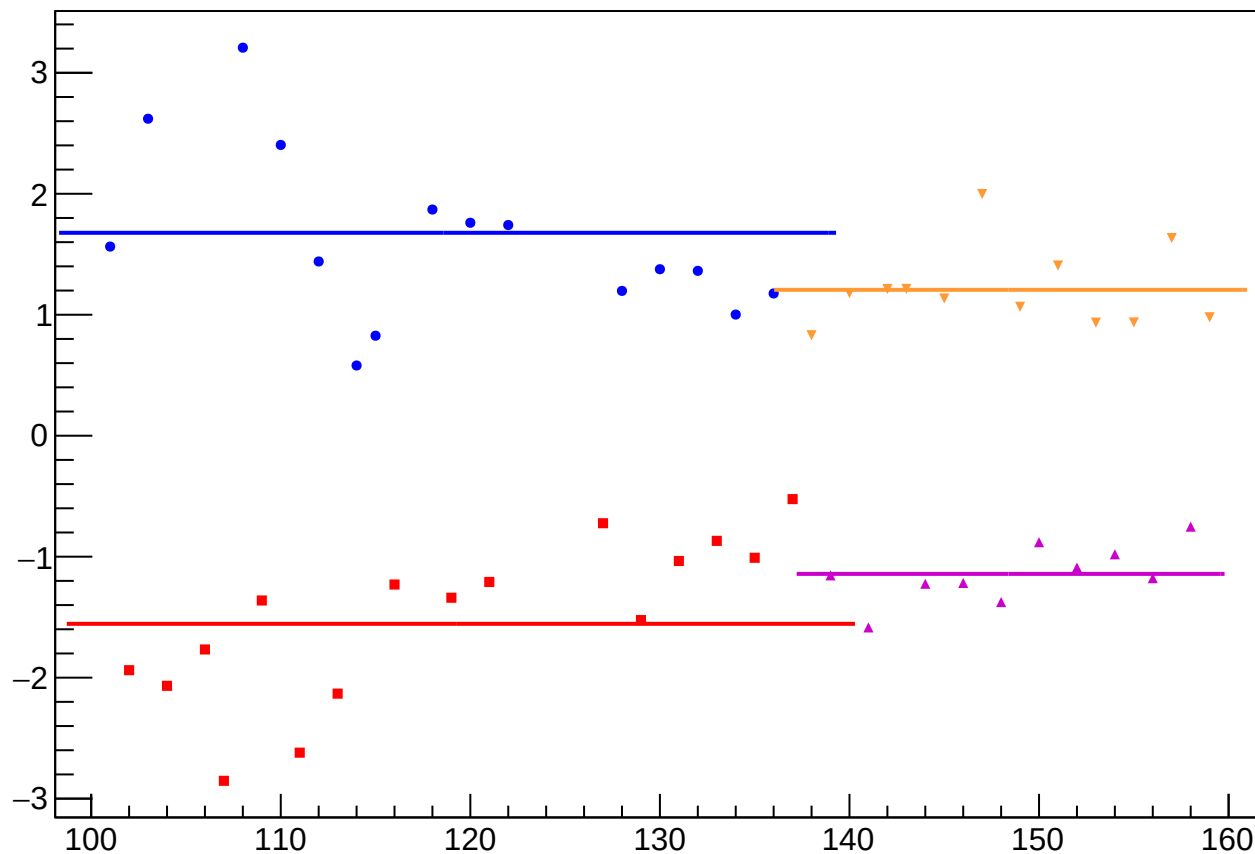
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

dit_4aY_coil4_mean vs Slug, Sign Corrected



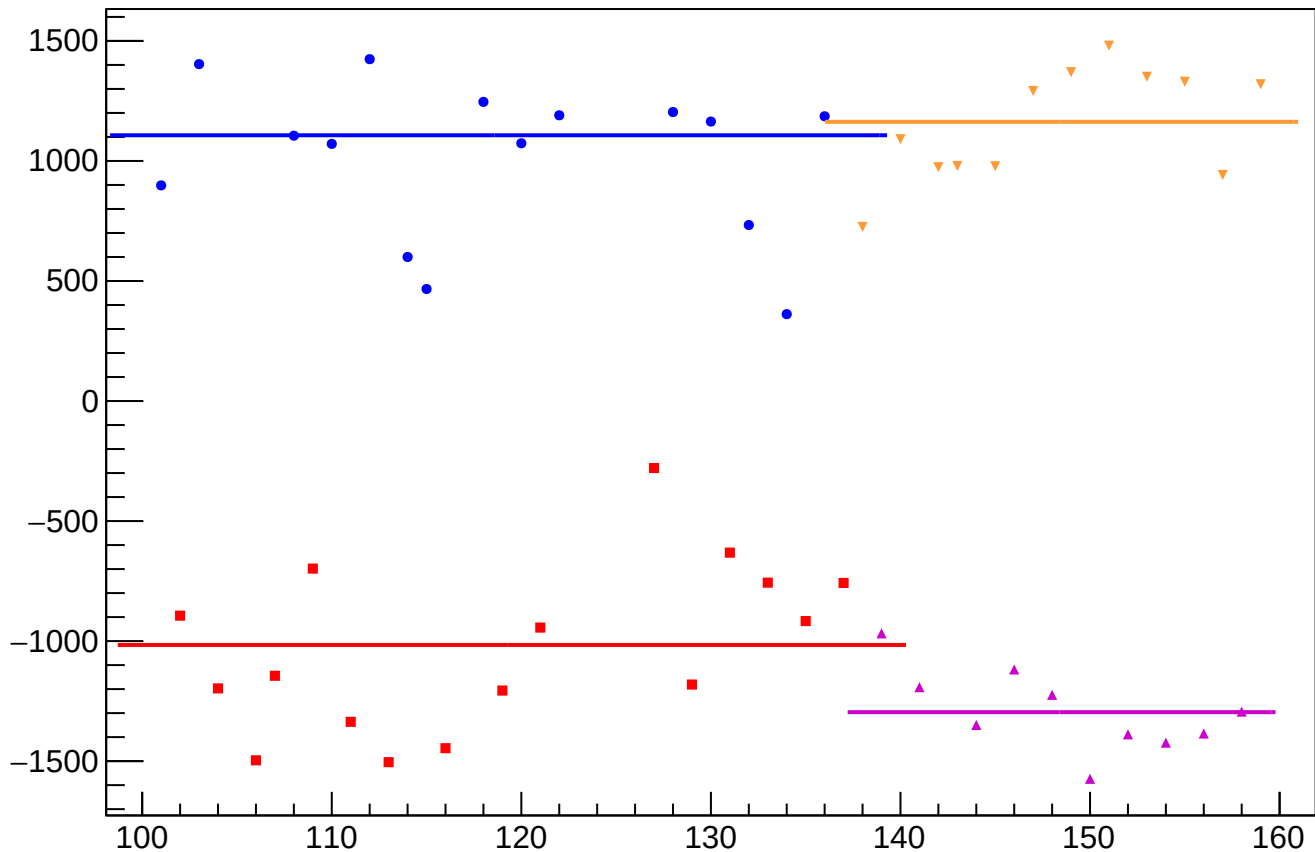
Right In: 192.771 ± 0.000 $\chi^2/\text{NDF}: 1640576279746948433391816936236515328.0/14$
 Left Out: 164.293 ± 0.000 $\chi^2/\text{NDF}: 353830120963940060605794212550541312.0/11$
 Right Out: -188.612 ± 0.000 $\chi^2/\text{NDF}: 1922342257287674563344204730019610624.0/15$
 Left In: -175.094 ± 0.000 $\chi^2/\text{NDF}: 88055279255182668536329346593325056.0/9$
 All: 0.367 ± 0.000 $\chi^2/\text{NDF}: 10266101086510$

dit_4aY_coil4_err_mean vs Slug, Sign Corrected



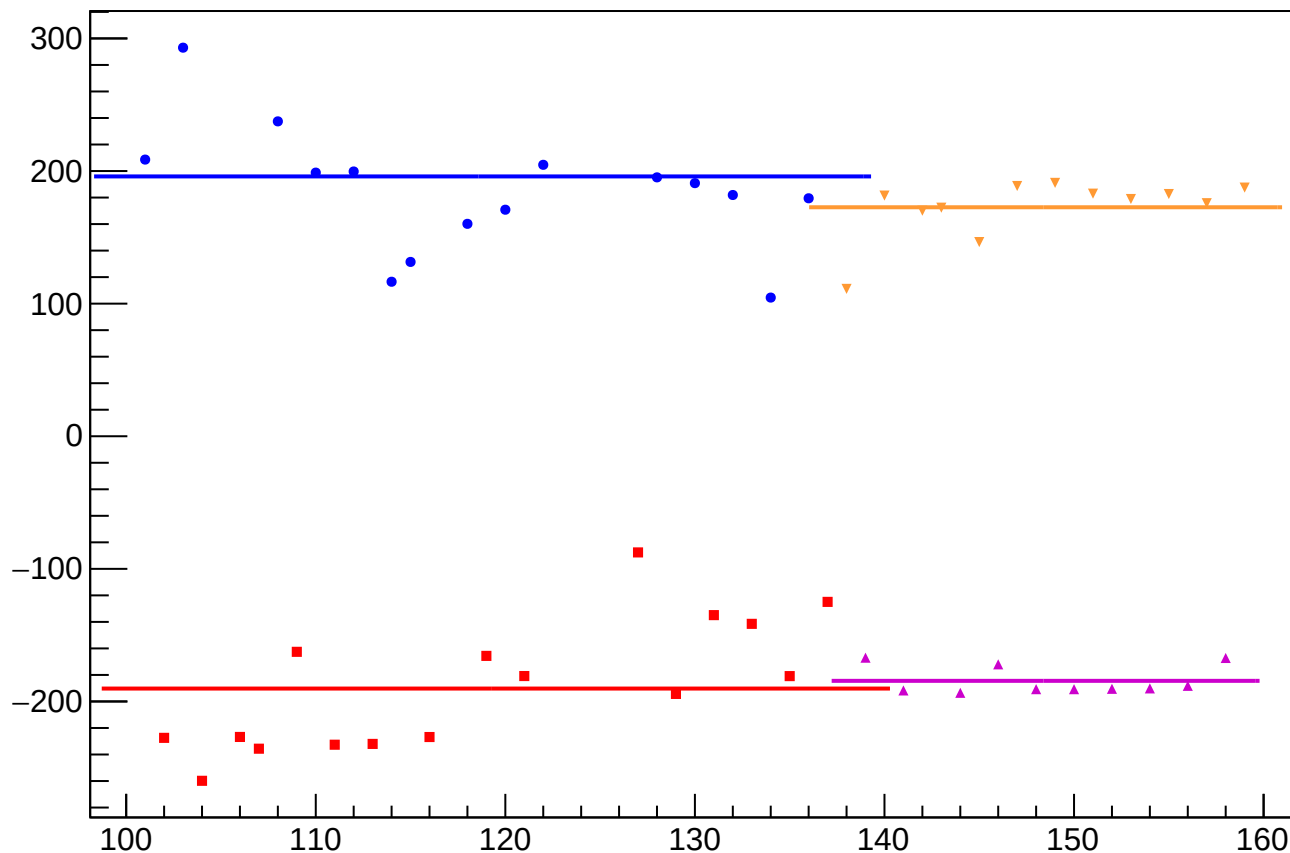
Right In: 1.677 $\pm$ 0.000 χ^2 /NDF: 241879924044788593292791559225344.0/14
 Left Out: 1.206 $\pm$ 0.000 χ^2 /NDF: 95869624128559666267627066490880.0/11
 Right Out: -1.555 $\pm$ 0.000 χ^2 /NDF: 255645951433890296827677195108352.0/15
 Left In: -1.142 $\pm$ 0.000 χ^2 /NDF: 43527403306616616460308078133248.0/9
 All: 0.061 $\pm$ 0.000 χ^2 /NDF: 65072215387086

dit_4aY_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 : 72567664333509192712184310037150171136.0/15
 Left In: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

dit_4eY_coil4_mean vs Slug, Sign Corrected



Right In: 195.940 $\pm$ 0.000

χ^2 /NDF: 1057891079869089572370479093183938560.0/14

Left Out: 172.678 $\pm$ 0.000

χ^2 /NDF: 444129154318784491704790528347340800.0/11

Right Out: -190.268 $\pm$ 0.000

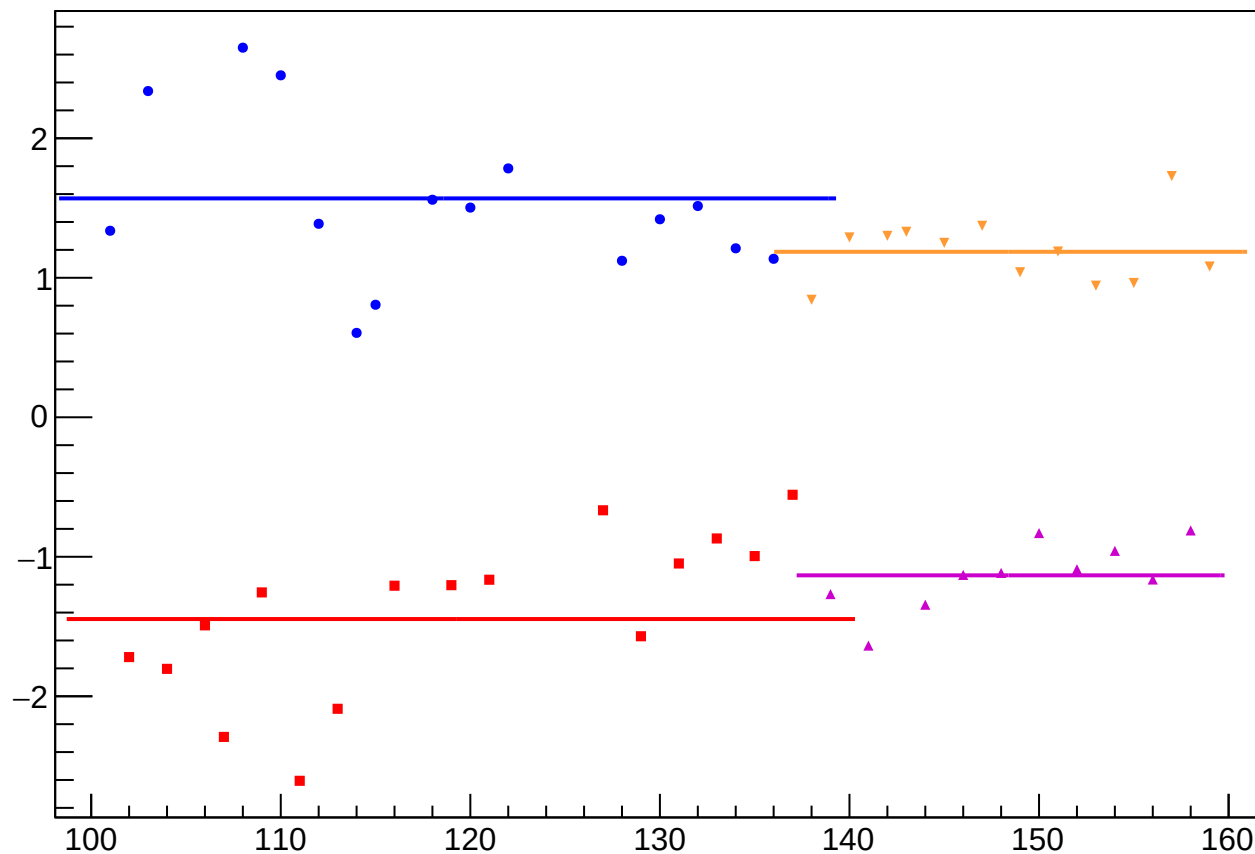
χ^2 /NDF: 1468473073667973330267084234323656704.0/15

Left In: -184.452 $\pm$ 0.000

χ^2 /NDF: 87430891974705833993711734348578816.0/9

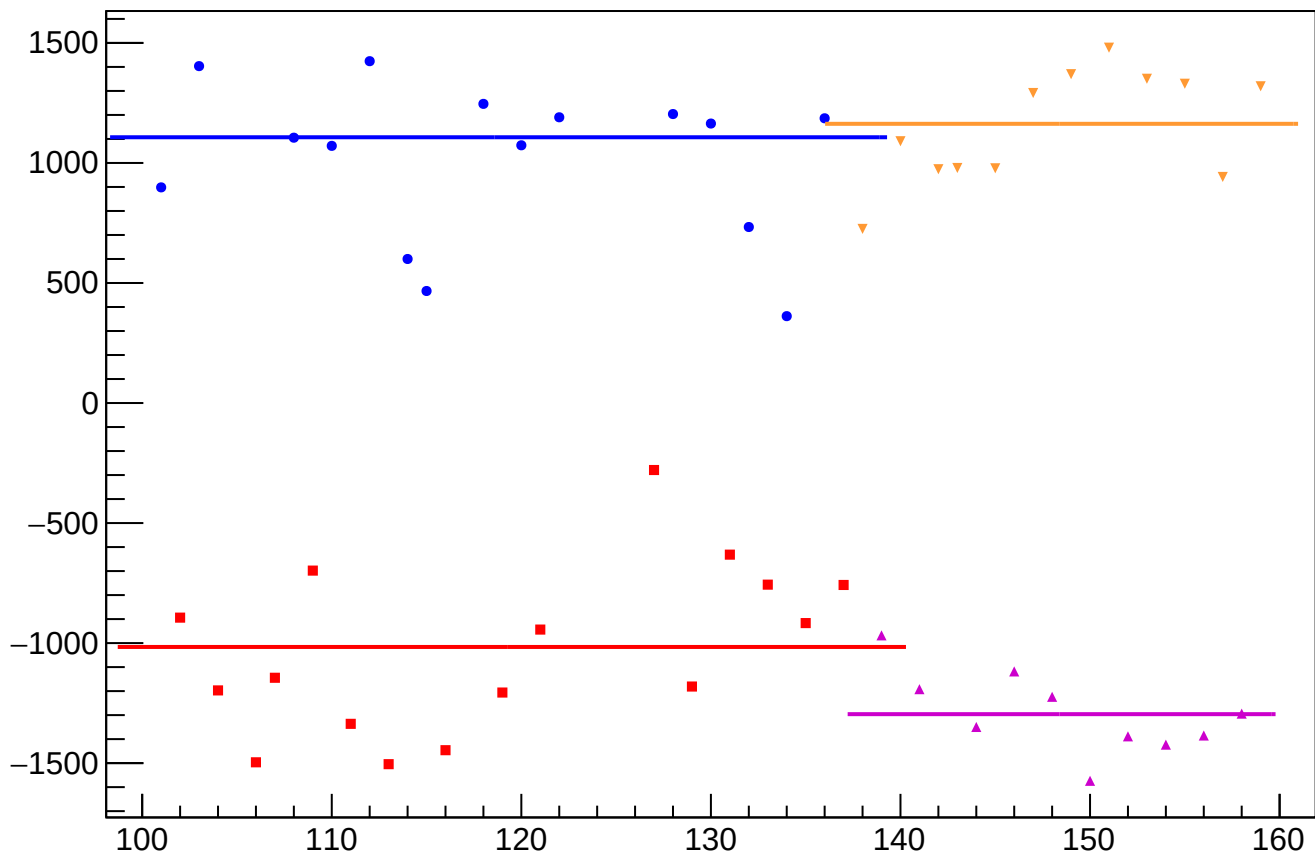
All: 0.590 $\pm$ 0.000 χ^2 /NDF: 10838208105639

dit_4eY_coil4_err_mean vs Slug, Sign Corrected



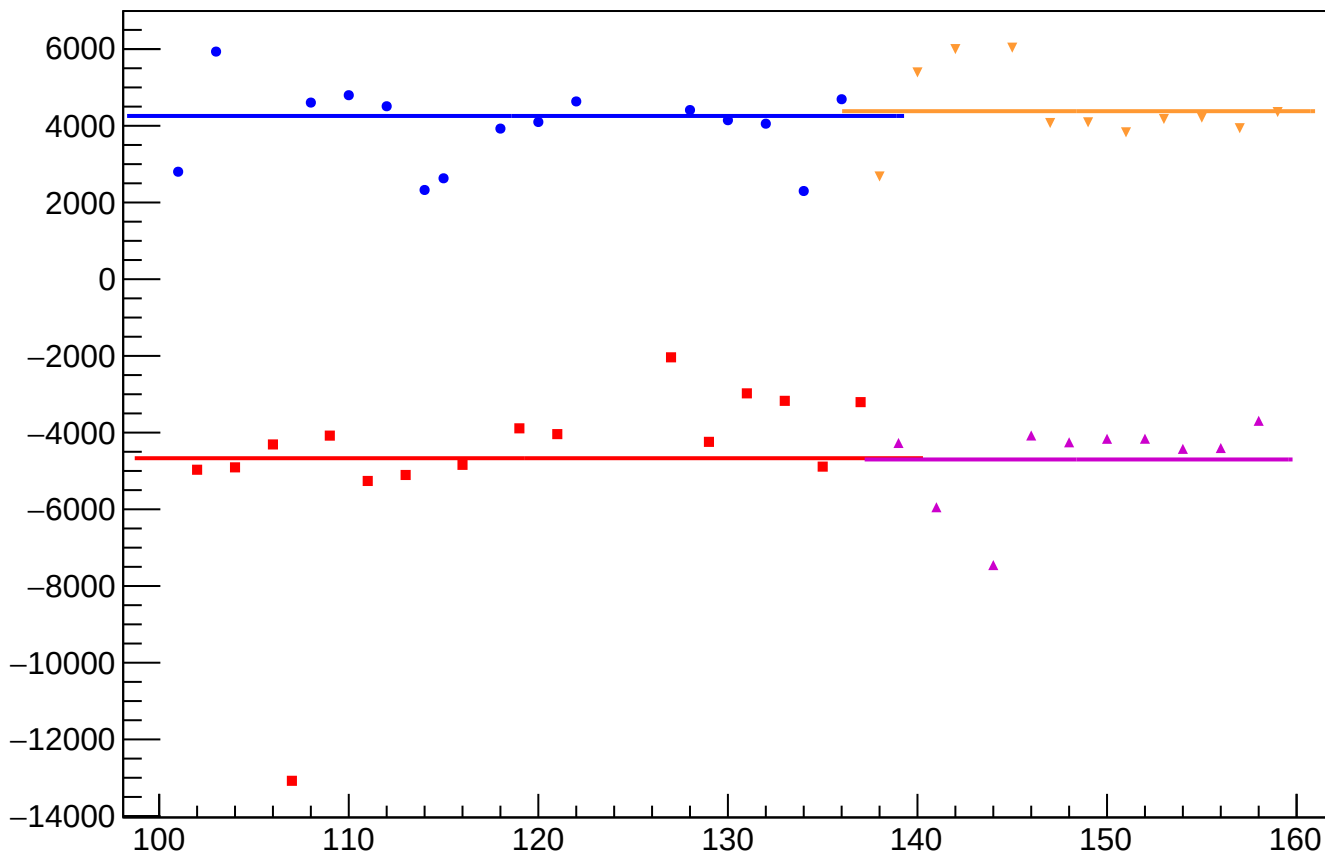
Right In: 1.569 +/- 0.000 χ^2/NDF : 162849195668123380789610540957696.0/14
 Left Out: 1.186 +/- 0.000 χ^2/NDF : 50110649006733128269701442437120.0/11
 Right Out: -1.446 +/- 0.000 χ^2/NDF : 196296653917523352443271052787712.0/15
 Left In: -1.133 +/- 0.000 χ^2/NDF : 46721508822138841881358331019264.0/9
 All: 0.058 +/- 0.000 χ^2/NDF : 58203172397360.0/36

dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected



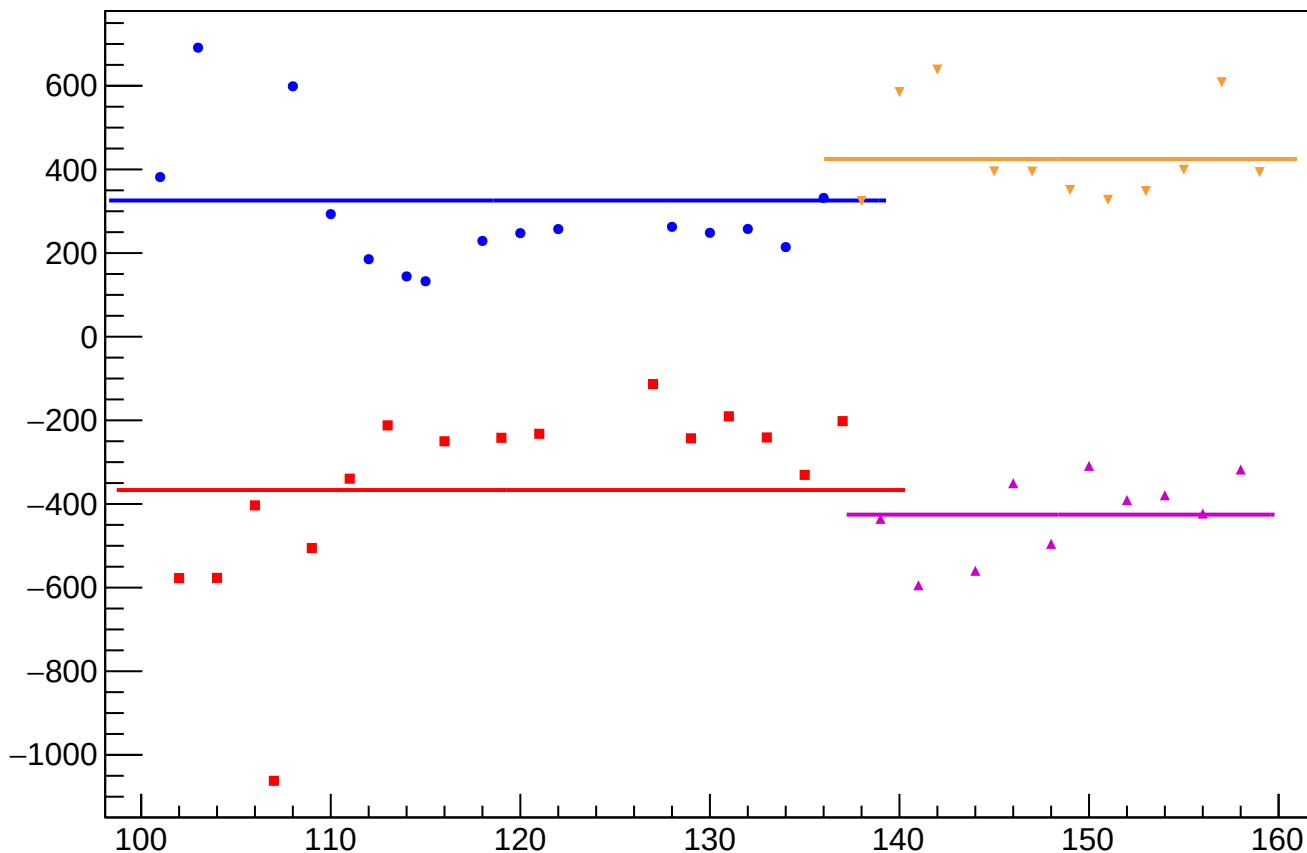
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

dit_usl_coil4_mean vs Slug, Sign Corrected



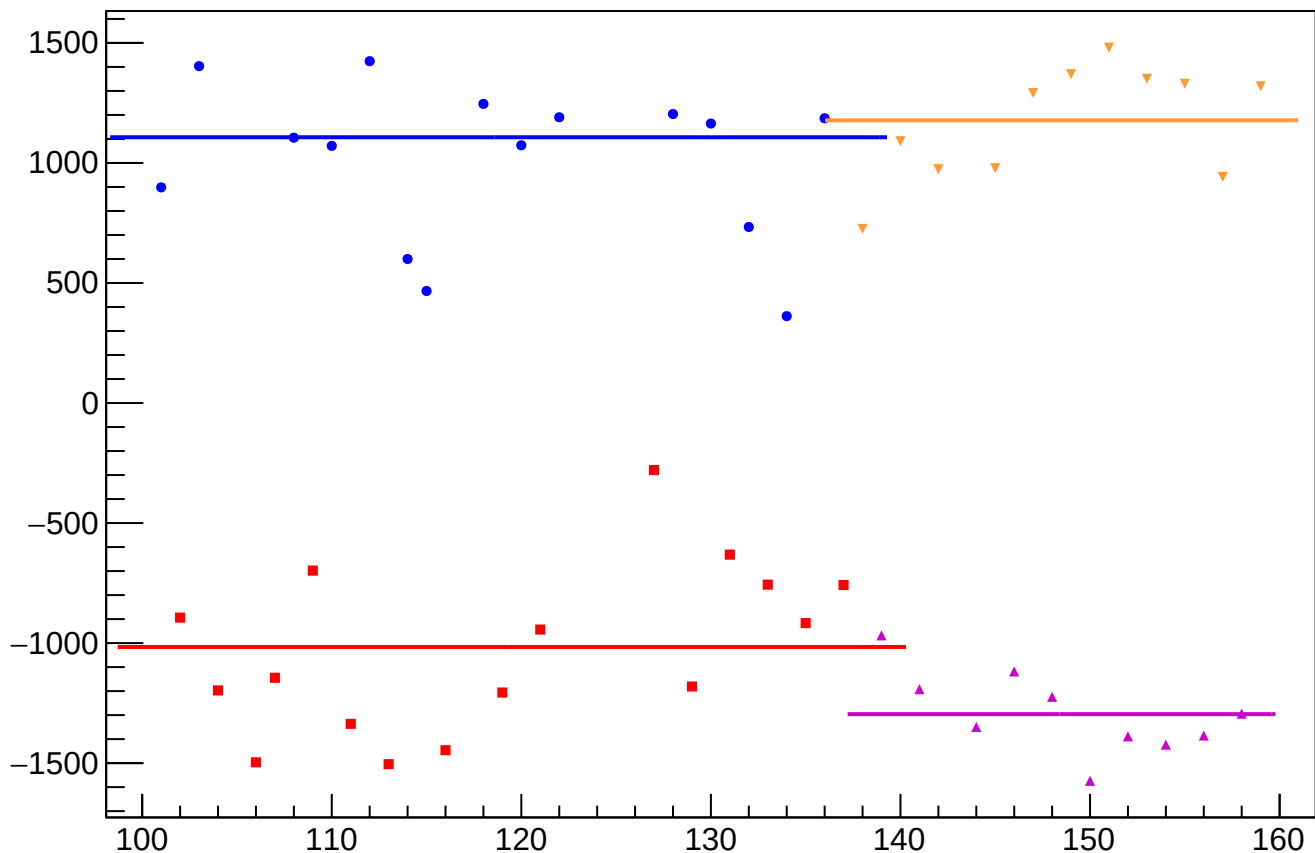
Right In: 4256.386+/-0.000 χ^2/NDF : 498605412551624859672454954159576186880.0/14
 Left Out: 4380.887+/-0.000 χ^2/NDF : 711929350796242872356445332084336099328.0/10
 Right Out: -4667.832+/-0.000 χ^2/NDF : 3201925535782807450320951772159309512704.0/15
 Left In: -4700.603+/-0.000 χ^2/NDF : 1019267152397247321648961150416064610304.0/9
 All: -206.501+/-0.000 χ^2/NDF : 66688628204

dit_usl_coil4_err_mean vs Slug, Sign Corrected



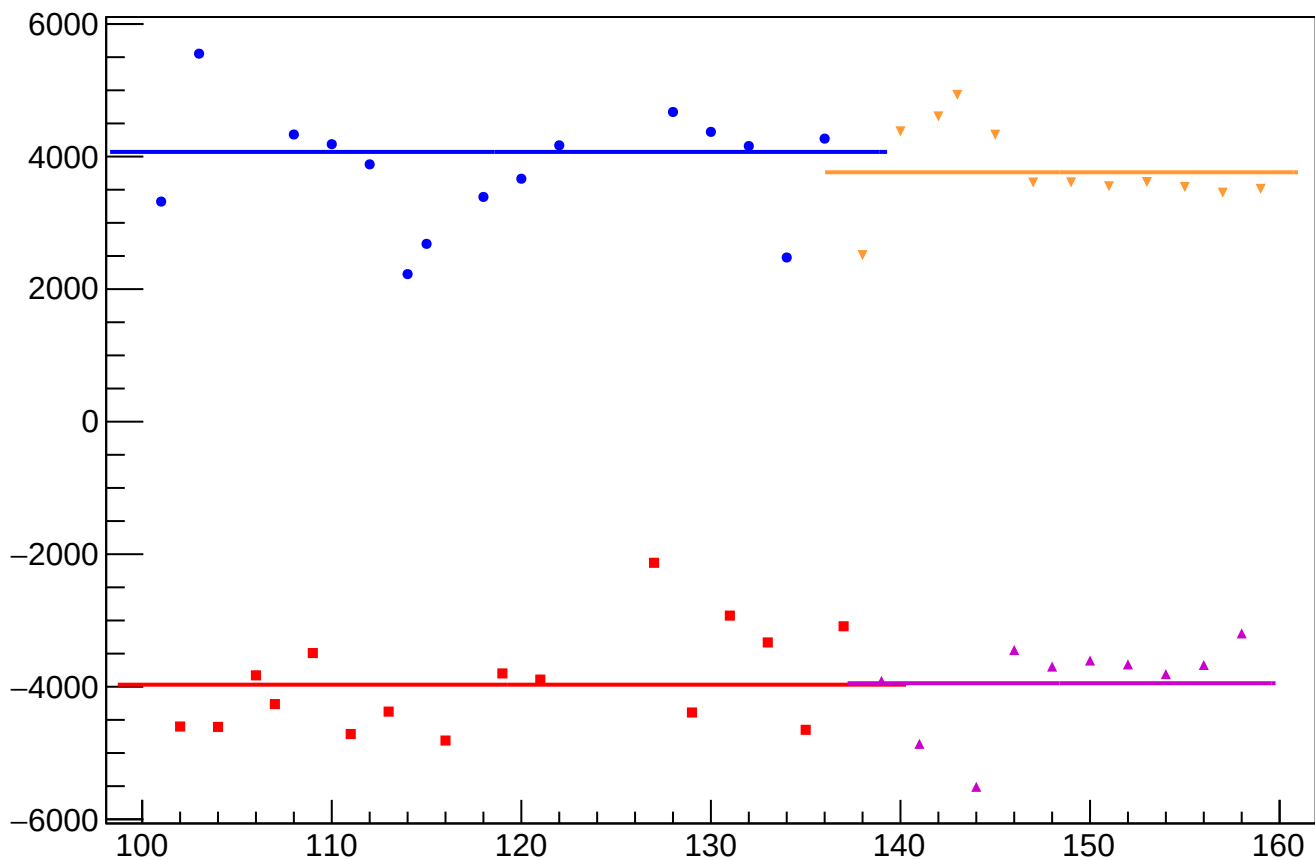
Left: -0.268 ± 0.000 χ^2/NDF : 32438144466917128
 Right In: 325.732 ± 0.000 χ^2/NDF : 14633359567940244123897242769854300160.0/14
 Left Out: 424.941 ± 0.000 χ^2/NDF : 9621828673272649813383773272468881408.0/10
 Right Out: -366.682 ± 0.000 χ^2/NDF : 32097250699947956409117440115398934528.0/15
 Left In: -425.477 ± 0.000 χ^2/NDF : 7395328689023686119802827092772519936.0/9
 All: -11.152 ± 0.000 χ^2/NDF : 529278967163

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: -1296.034 $\pm$ 0.000 χ^2 /NDF: 22794126955598242846656326276143382528.0/9
 All: -19.886 $\pm$ 0.000 χ^2 /NDF: 426853299547

dit_usr_coil4_mean vs Slug, Sign Corrected



Right In: 4070.444+/-0.000

Left Out: 3763.117+/-0.000

Right Out: -3968.723+/-0.000

Left In: -3946.702+/-0.000

χ^2/NDF : 343281875282695739956383156295247593472.0/14

χ^2/NDF : 328830410494285997490635269622747627520.0/11

χ^2/NDF : 359955880326194784467353369492594884608.0/15

χ^2/NDF : 386055252364707275577260547744513130496.0/9

Left: 54.375+/-0.000 χ^2/NDF : 26935335489631749

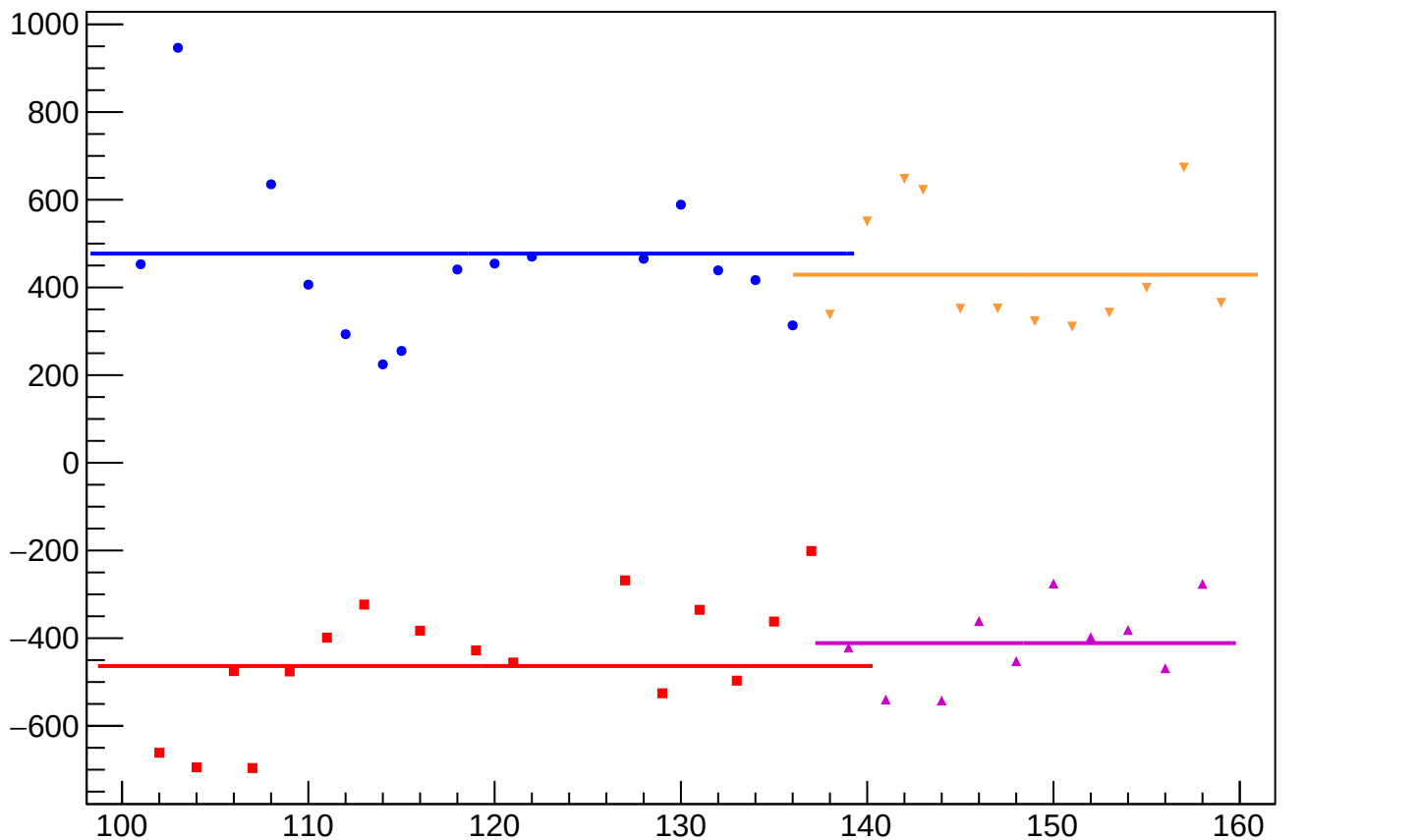
Right: -4.119+/-0.000 χ^2/NDF : 2196193539942721

In: -475.637+/-0.000 χ^2/NDF : 2438317262424776

Out: 507.349+/-0.000 χ^2/NDF : 2377250014239513

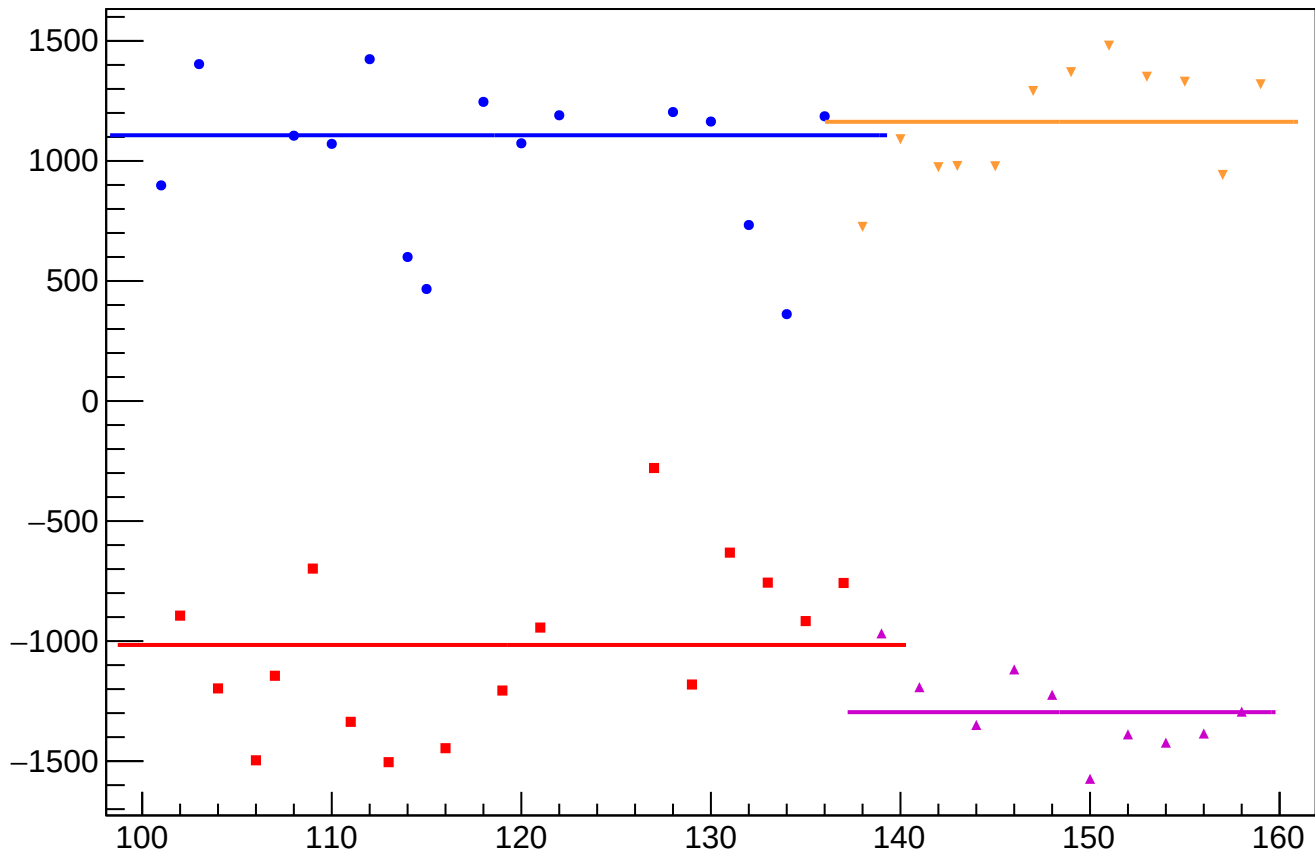
All: 29.407+/-0.000 χ^2/NDF : 4889985161735

dit_usr_coil4_err_mean vs Slug, Sign Corrected



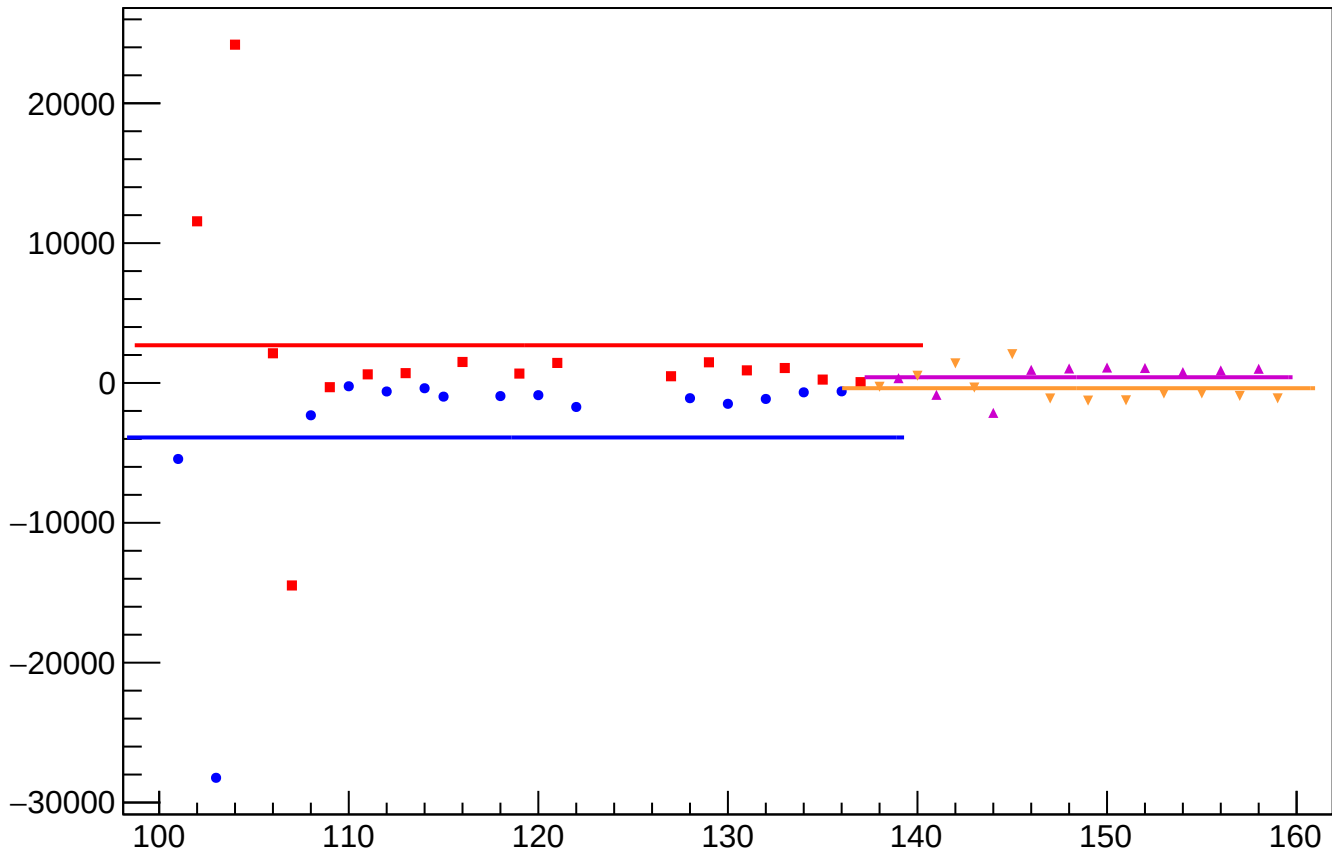
Right In: 477.186 $\pm$ 0.000 χ^2/NDF : 20455719931758379978892605184974782464.0/14
 Left Out: 428.977 $\pm$ 0.000 χ^2/NDF : 15293827786065679931988484454692683776.0/11
 Right Out: -463.513 $\pm$ 0.000 χ^2/NDF : 12556777931069903370031832388184571904.0/15
 Left In: -411.304 $\pm$ 0.000 χ^2/NDF : 6816699884804276577882958707487145984.0/9
 All: 14.367 $\pm$ 0.000 χ^2/NDF : 6581120368125

dit_usr_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: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

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

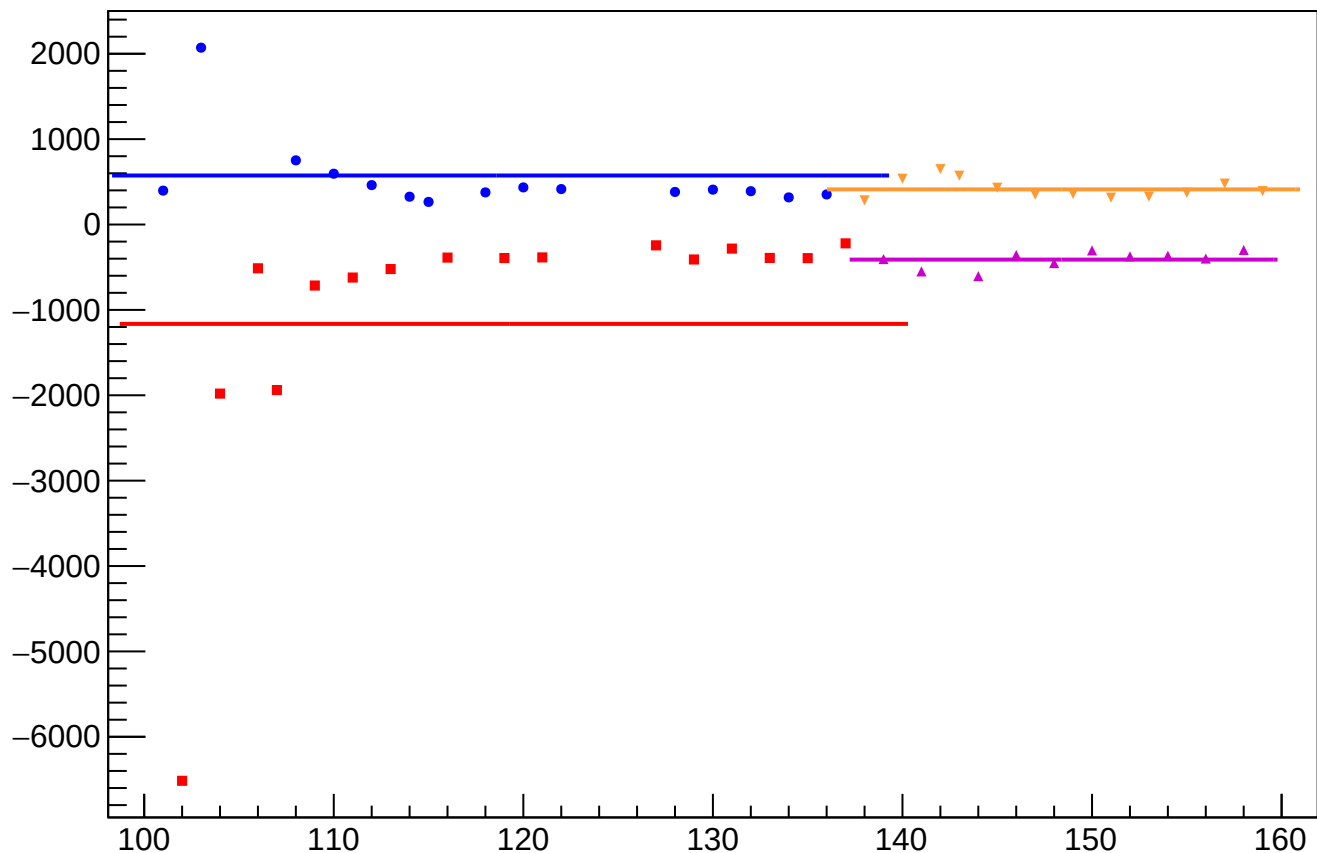
χ^2/NDF : 40822463071462352124212058386591729582080.0/15

Left In: 409.312 +/- 0.000

χ^2/NDF : 911493765384516588826450256964251287552.0/9

All: -235.434 +/- 0.000 χ^2/NDF : 97100042067

dit_atl1_coil4_err_mean vs Slug, Sign Corrected



Right In: 574.055+/-0.000

χ^2/NDF : 152105229889160423018493709582390525952.0/14

Left: 15.984+/-0.000 χ^2/NDF : 31553942705523149

Right: -306.705+/-0.000 χ^2/NDF : 31486221730071

Left Out: 411.666+/-0.000

χ^2/NDF : 9310753562046919070067621560894619648.0/11

In: 15.549+/-0.000 χ^2/NDF : 516891384578797341

Right Out: -1163.697+/-0.000

χ^2/NDF : 2003194396475465337190154787515183136768.0/15

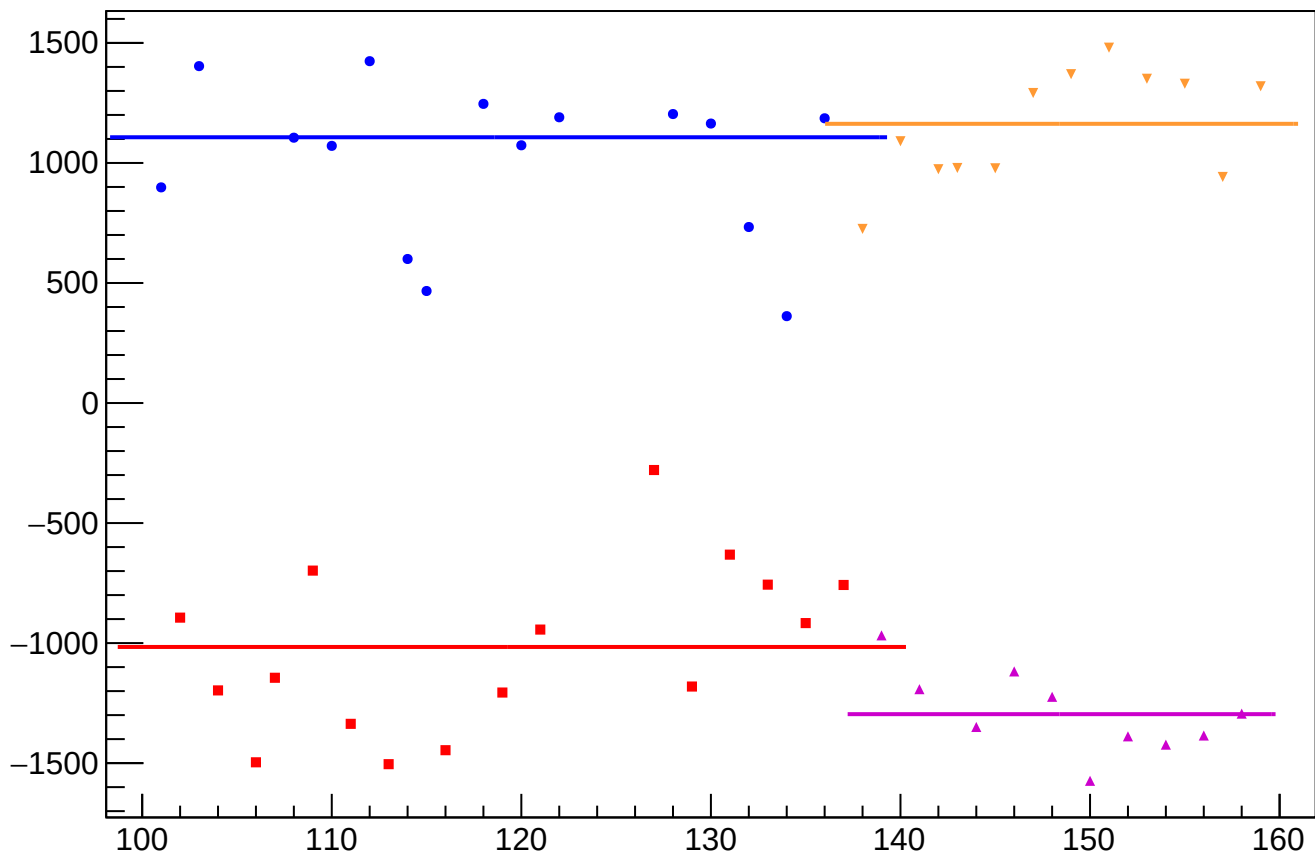
Out: -251.697+/-0.000 χ^2/NDF : 297080395664297

Left In: -410.887+/-0.000

χ^2/NDF : 7773422679869927157376192796011003904.0/9

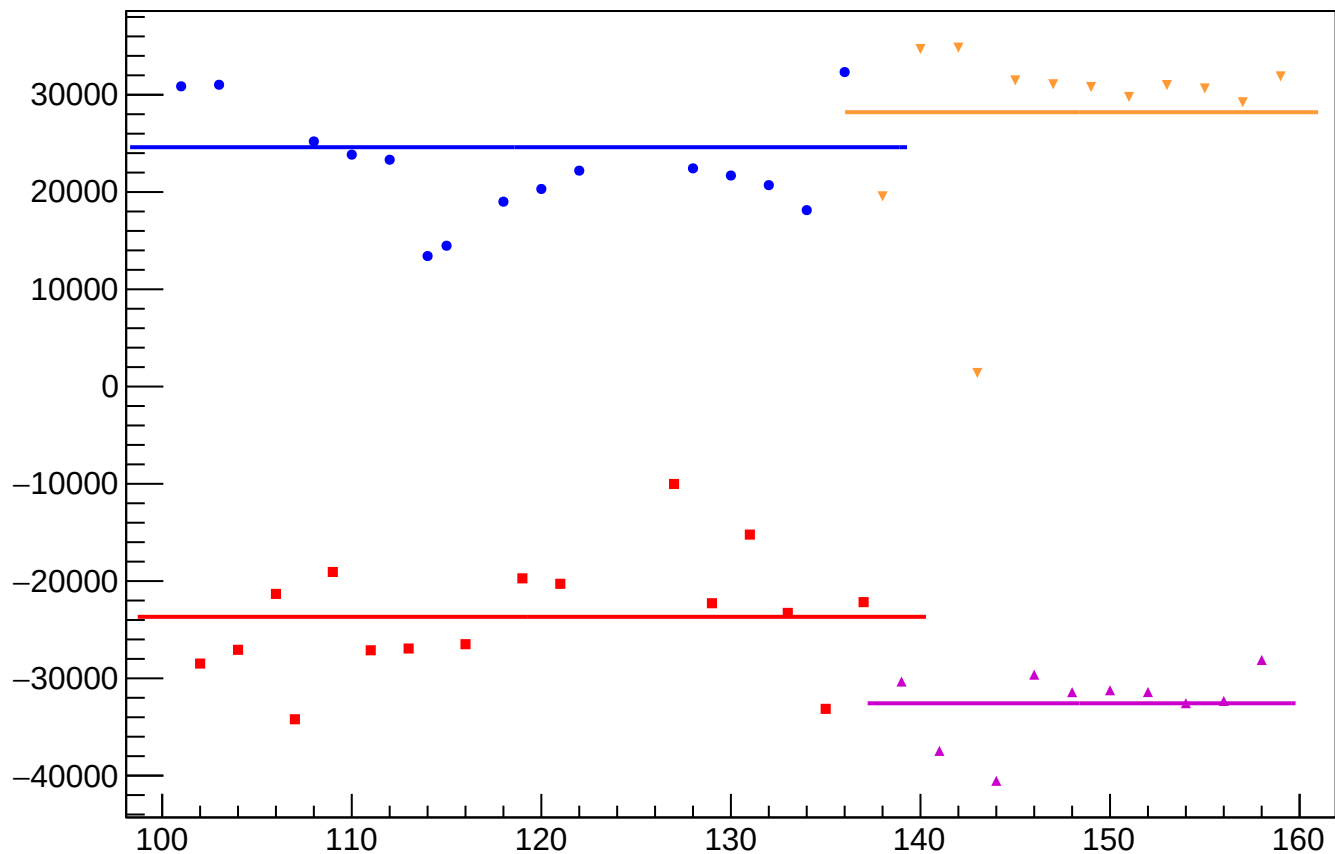
All: -121.758+/-0.000 χ^2/NDF : 35427008500

dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected



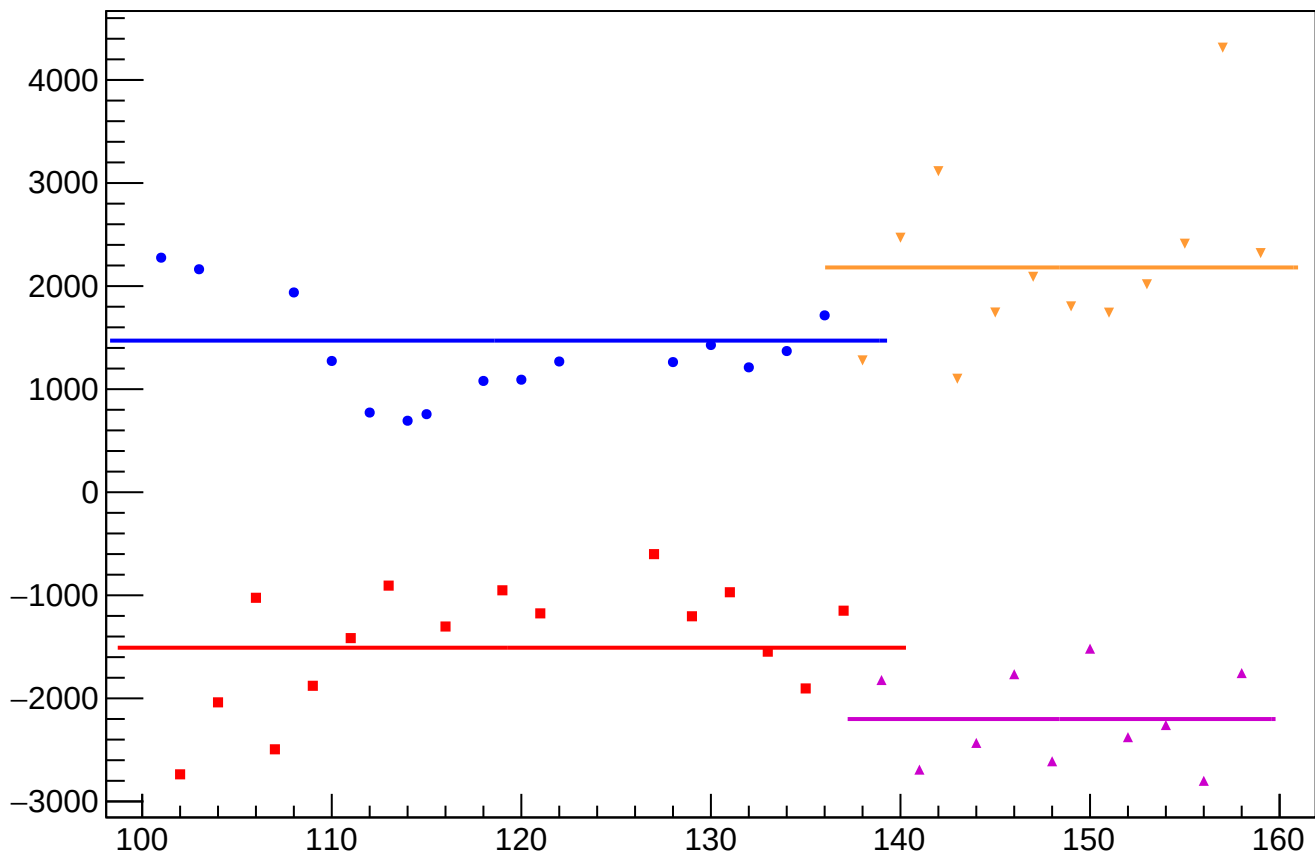
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 72567664333509192712184310037150171136.0/15
 Left In: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

dit_atl2_coil4_mean vs Slug, Sign Corrected



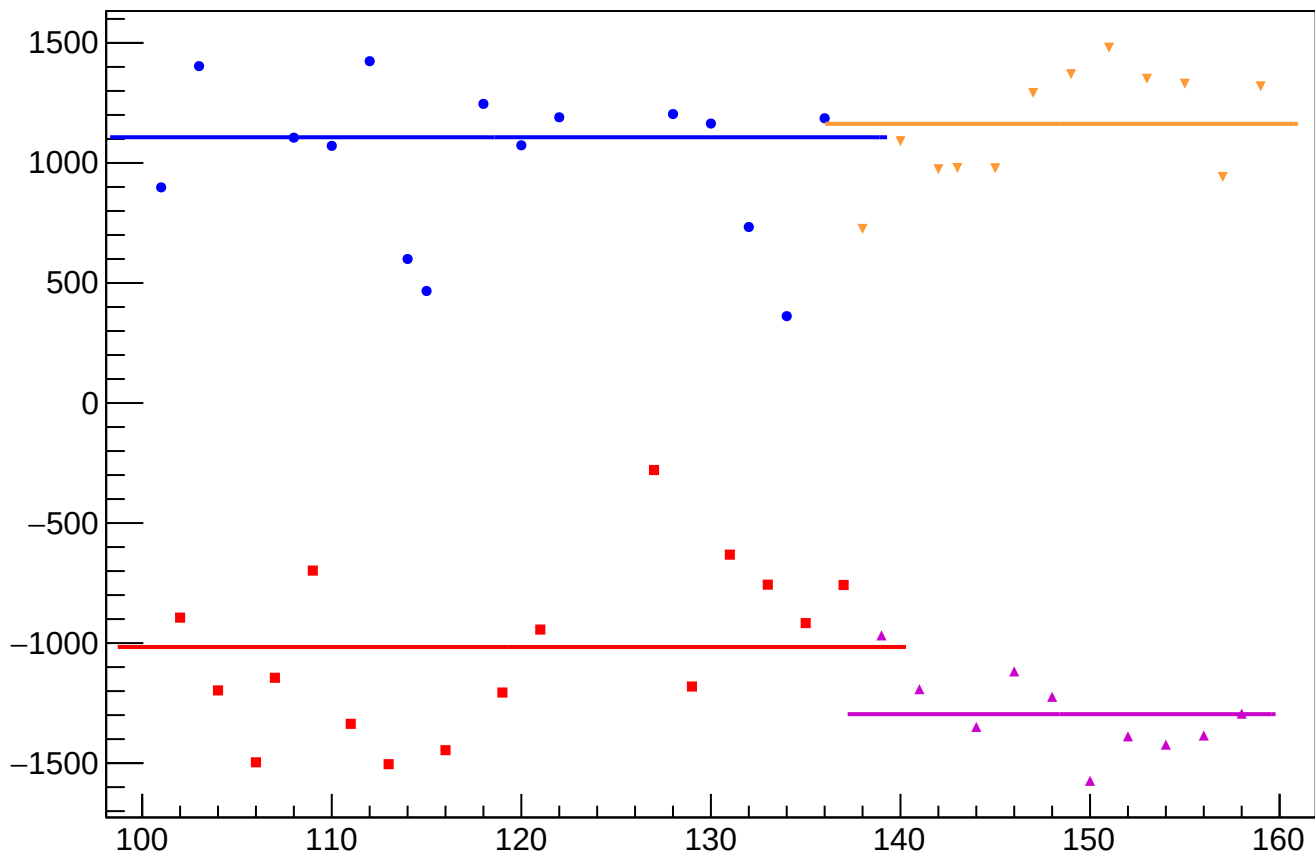
Right In: 24608.761+/-0.000 χ^2/NDF : 17555600427140701787636759084167268925440.0/14
 Left Out: 28209.767+/-0.000 χ^2/NDF : 64052588208815786501271136154217957294080.0/11
 Right Out: -23673.937+/-0.000 χ^2/NDF : 24824229344827567313624871677295341862912.0/15
 Left In: -32563.565+/-0.000 χ^2/NDF : 10815433566723477462100778347782291324928.0/9
 All: -528.740+/-0.000 χ^2/NDF : 25143064747

dit_atl2_coil4_err_mean vs Slug, Sign Corrected



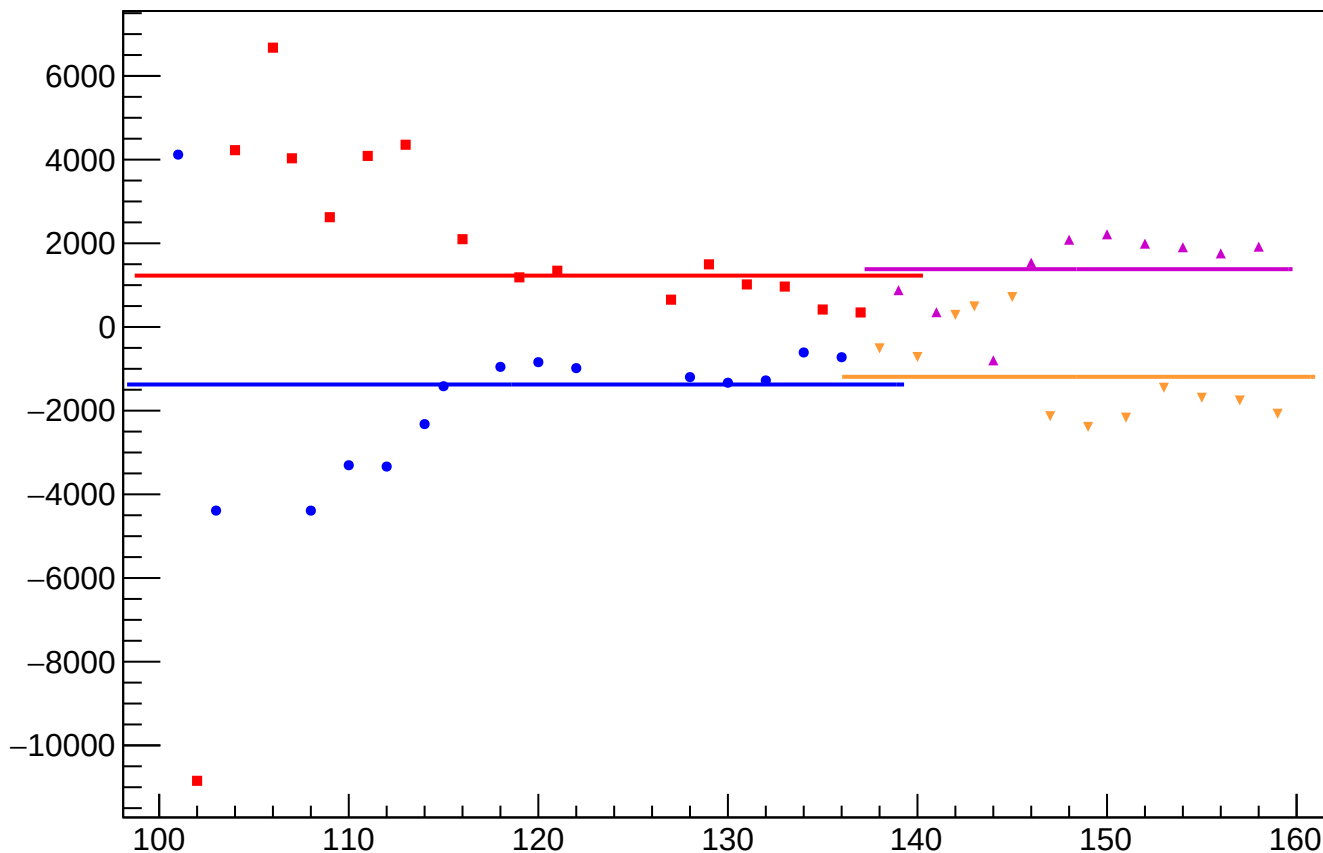
Left: 73.268+/-0.000 χ^2/NDF : 92241193636794061
 Right In: 1471.095+/-0.000 χ^2/NDF : 139174979420467841073894167956452016128.0/14
 Right: -39.055+/-0.000 χ^2/NDF : 330947344548199
 Left Out: 2180.972+/-0.000 χ^2/NDF : 598703226121999788747151174026347413504.0/11
 In: -610.905+/-0.000 χ^2/NDF : 5257317139108657
 Right Out: -1508.451+/-0.000 χ^2/NDF : 250085163770425050605763446985715613696.0/15
 Out: 627.408+/-0.000 χ^2/NDF : 6104805948721339
 Left In: -2200.573+/-0.000 χ^2/NDF : 156918562552035233095724748103810547712.0/9
 All: 25.322+/-0.000 χ^2/NDF : 1254310876375

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: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

dit_atr1_coil4_mean vs Slug, Sign Corrected



Right In: -1374.510 $\pm$ 0.000

Left Out: -1191.069 $\pm$ 0.000

Right Out: 1227.879 $\pm$ 0.000

Left In: 1381.347 $\pm$ 0.000

χ^2 /NDF: 3072775774026573120755024580495322120192.0/14

χ^2 /NDF: 1015662132878322627077441101495867015168.0/11

χ^2 /NDF: 11115312999926623396466450218448622452736.0/15

χ^2 /NDF: 731460916753363163870405774258070355968.0/9

Left: 46.369 $\pm$ 0.000 χ^2 /NDF: 4666121775110885

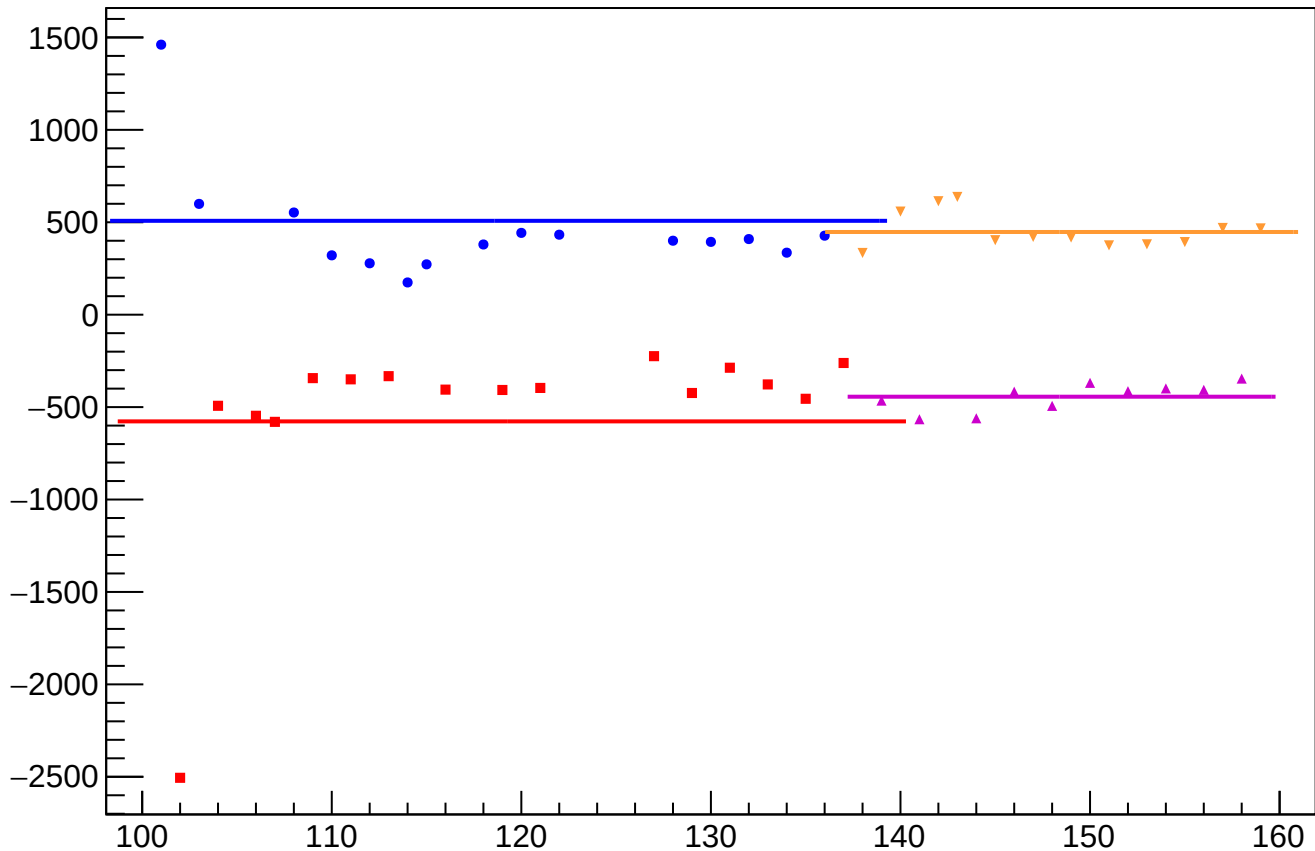
Right: -55.518 $\pm$ 0.000 χ^2 /NDF: 164158010761557

In: 188.184 $\pm$ 0.000 χ^2 /NDF: 65991937970232650

Out: -172.484 $\pm$ 0.000 χ^2 /NDF: 143903749815765

All: 2.878 $\pm$ 0.000 χ^2 /NDF: 21089752758613

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

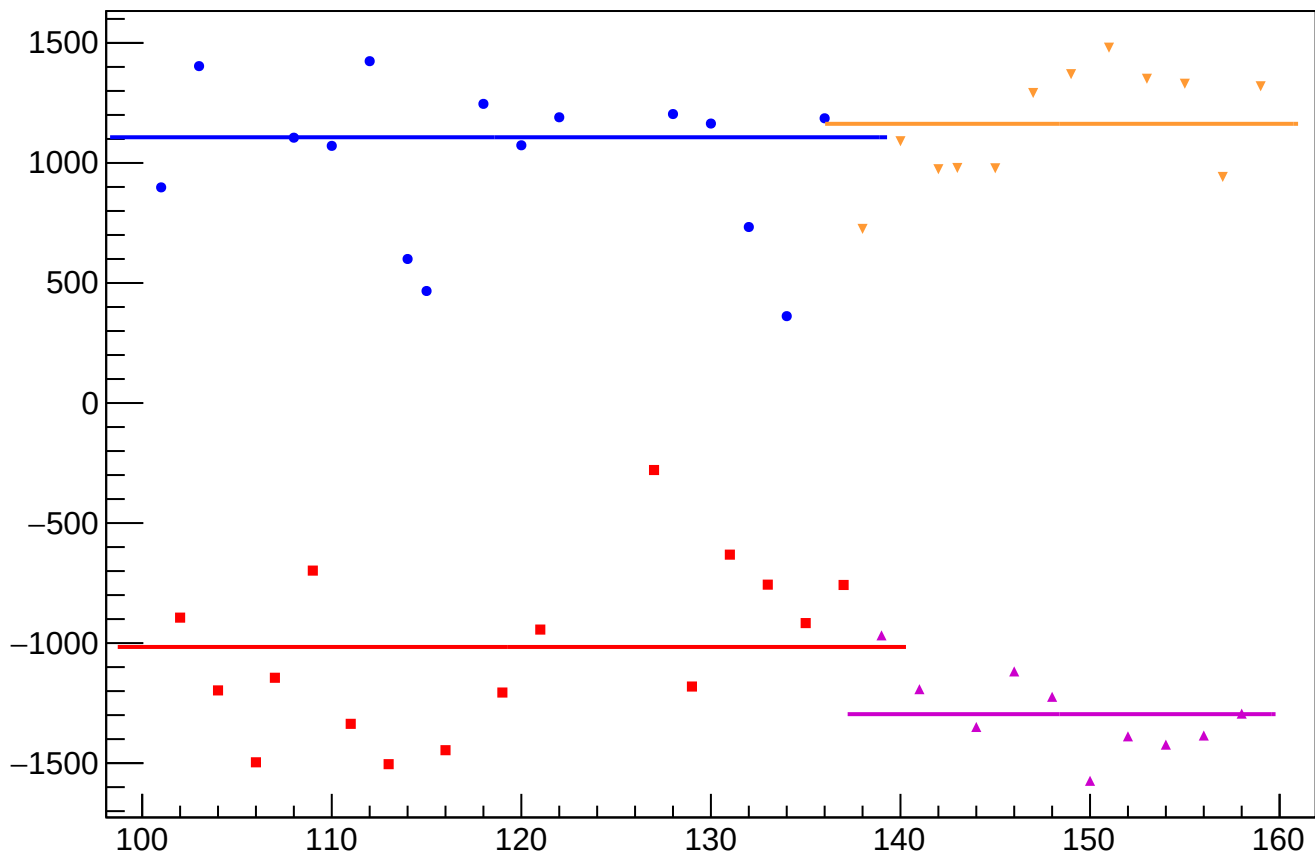
χ^2/NDF : 241288780642623391683958641535574081536.0/15

Left In: -443.727+/-0.000

χ^2/NDF : 4438324984038044097077747243139727360.0/9

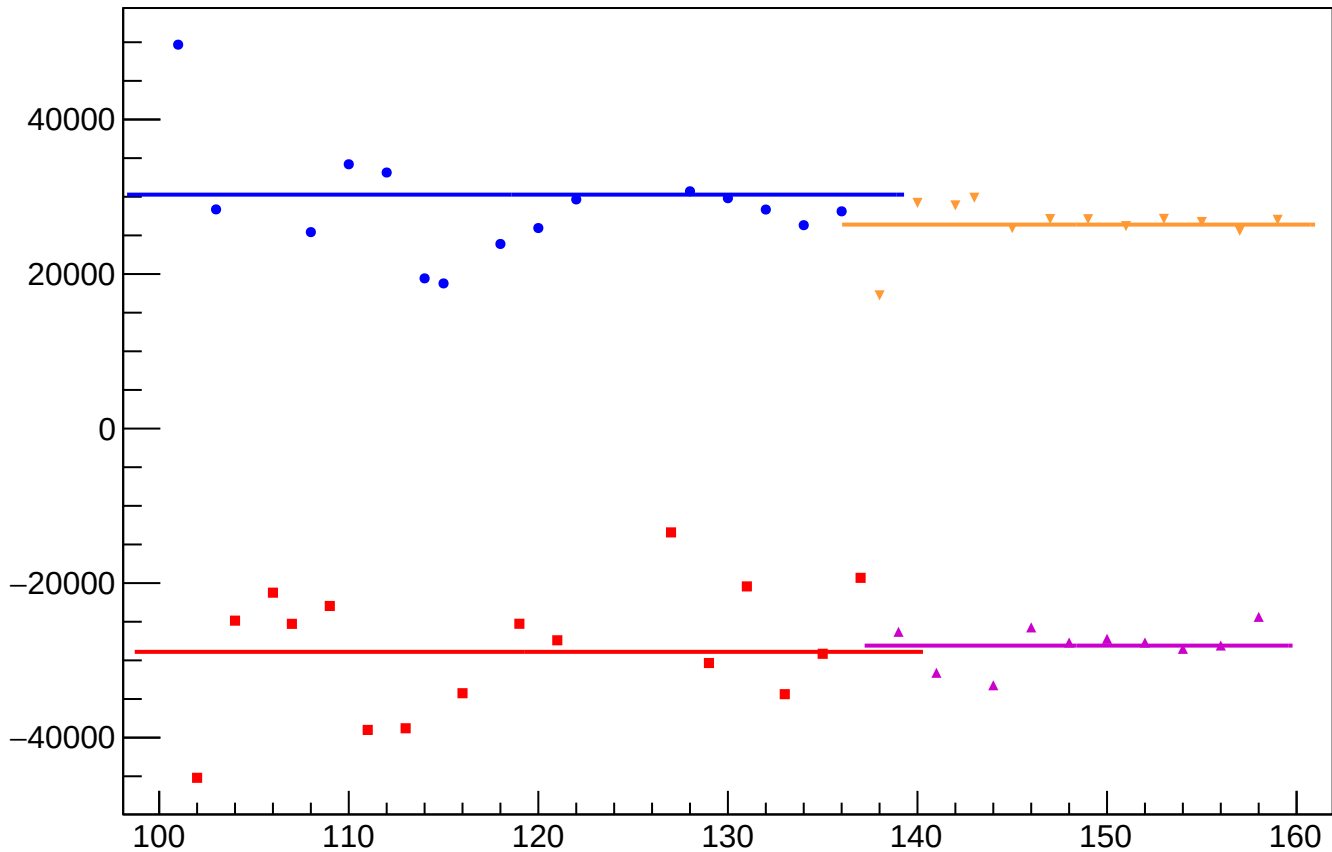
All: -7.242+/-0.000 χ^2/NDF : 1057330738333

dit_atr1_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 : 72567664333509192712184310037150171136.0/15
 Left In: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

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: -28088.985+/-0.000

χ^2/NDF : 5350533320066301310603898218661153865728.0/9

Left: 188.585+/-0.000 χ^2/NDF : 1323569431597354

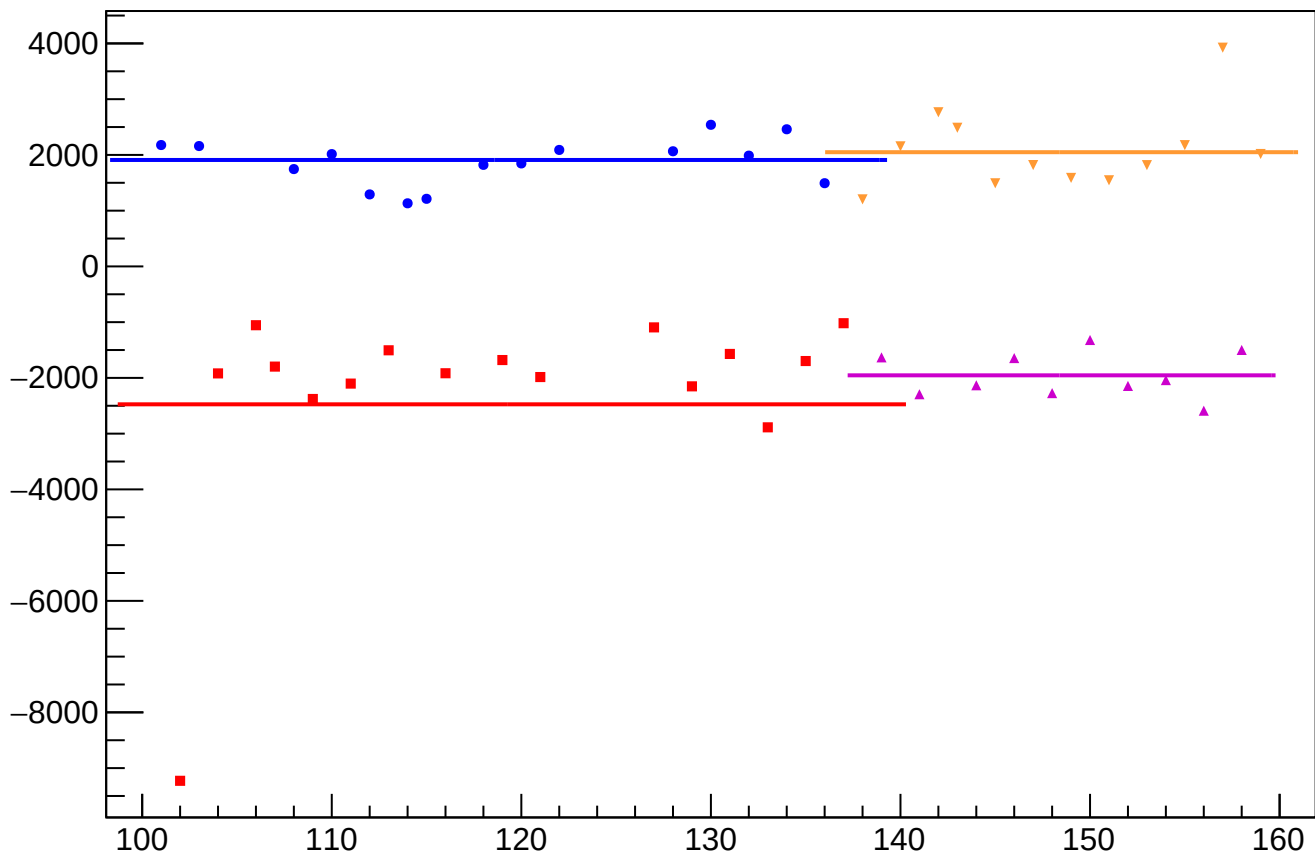
Right: 285.980+/-0.000 χ^2/NDF : 122974265906167

In: -2818.841+/-0.000 χ^2/NDF : 129001975722865

Out: 3115.545+/-0.000 χ^2/NDF : 123617666478077

All: 230.159+/-0.000 χ^2/NDF : 255331924540

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

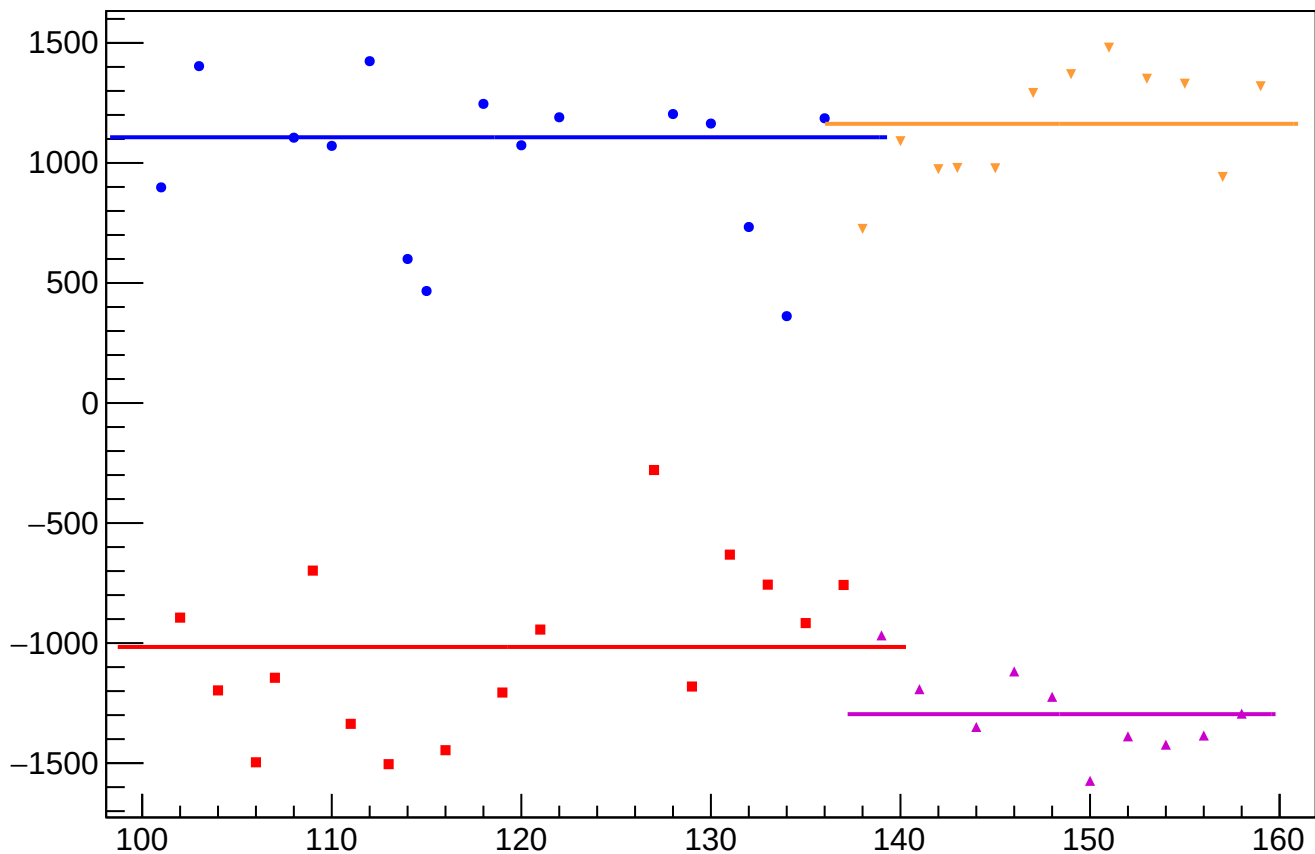
χ^2/NDF : 3033908025746418121738753286600386412544.0/15

Left In: -1953.968+/-0.000

χ^2/NDF : 126889861551528612715360852623587540992.0/9

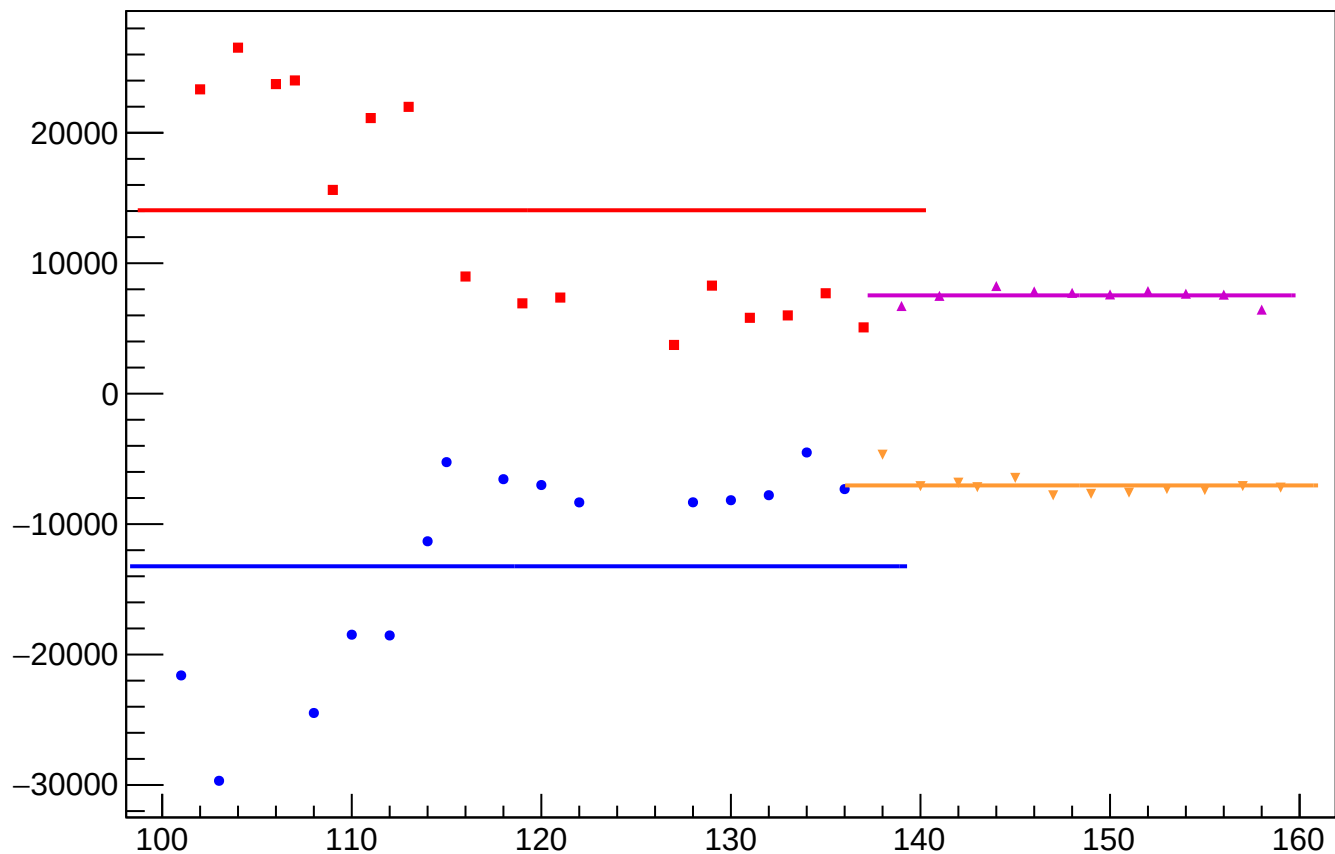
Left: 123.440+/-0.000 χ^2/NDF : 7639146948398765
 Right: -312.249+/-0.000 χ^2/NDF : 94418650101321
 In: -281.287+/-0.000 χ^2/NDF : 5707426825657777
 Out: 144.475+/-0.000 χ^2/NDF : 1137715169018090
 All: -62.537+/-0.000 χ^2/NDF : 172241886703

dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected



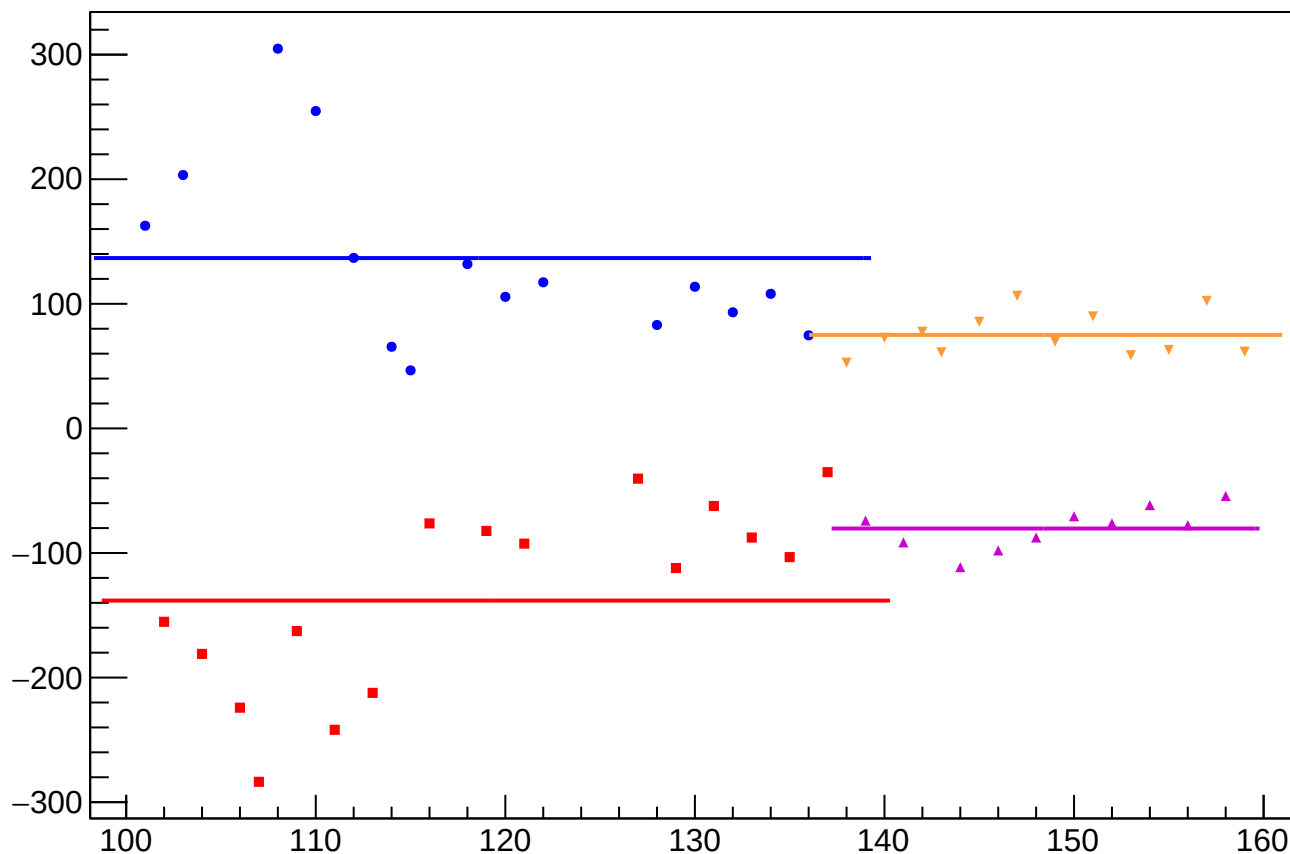
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

dit_sam1_coil4_mean vs Slug, Sign Corrected



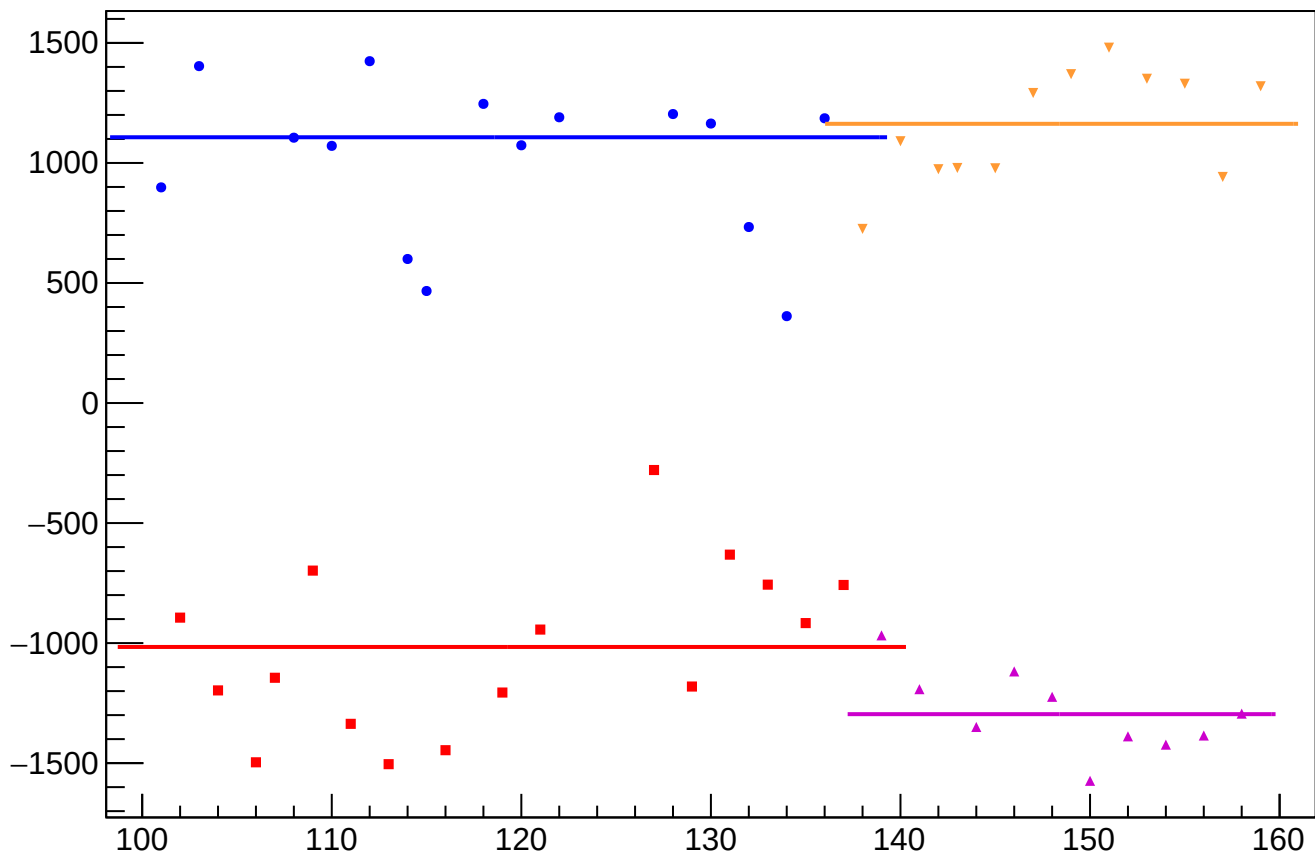
Left: -25.927+/-0.000 χ^2/NDF : 9443919991050905
 Right In: -13233.367+/-0.000 χ^2/NDF : 41257043836213043367596866559499640504320.0/14
 Right: 600.026+/-0.000 χ^2/NDF : 330784909470012
 Left Out: -7034.420+/-0.000 χ^2/NDF : 586087700252049179265432435380023459840.0/11
 In: -1456.774+/-0.000 χ^2/NDF : 200208381790168
 Right Out: 14060.103+/-0.000 χ^2/NDF : 44490594754280161766405556915711386845184.0/15
 Out: 1848.185+/-0.000 χ^2/NDF : 216898943456081
 Left In: 7535.001+/-0.000 χ^2/NDF : 218520934440563946892419895754359832576.0/9
 All: 241.266+/-0.000 χ^2/NDF : 425519639332

dit_sam1_coil4_err_mean vs Slug, Sign Corrected



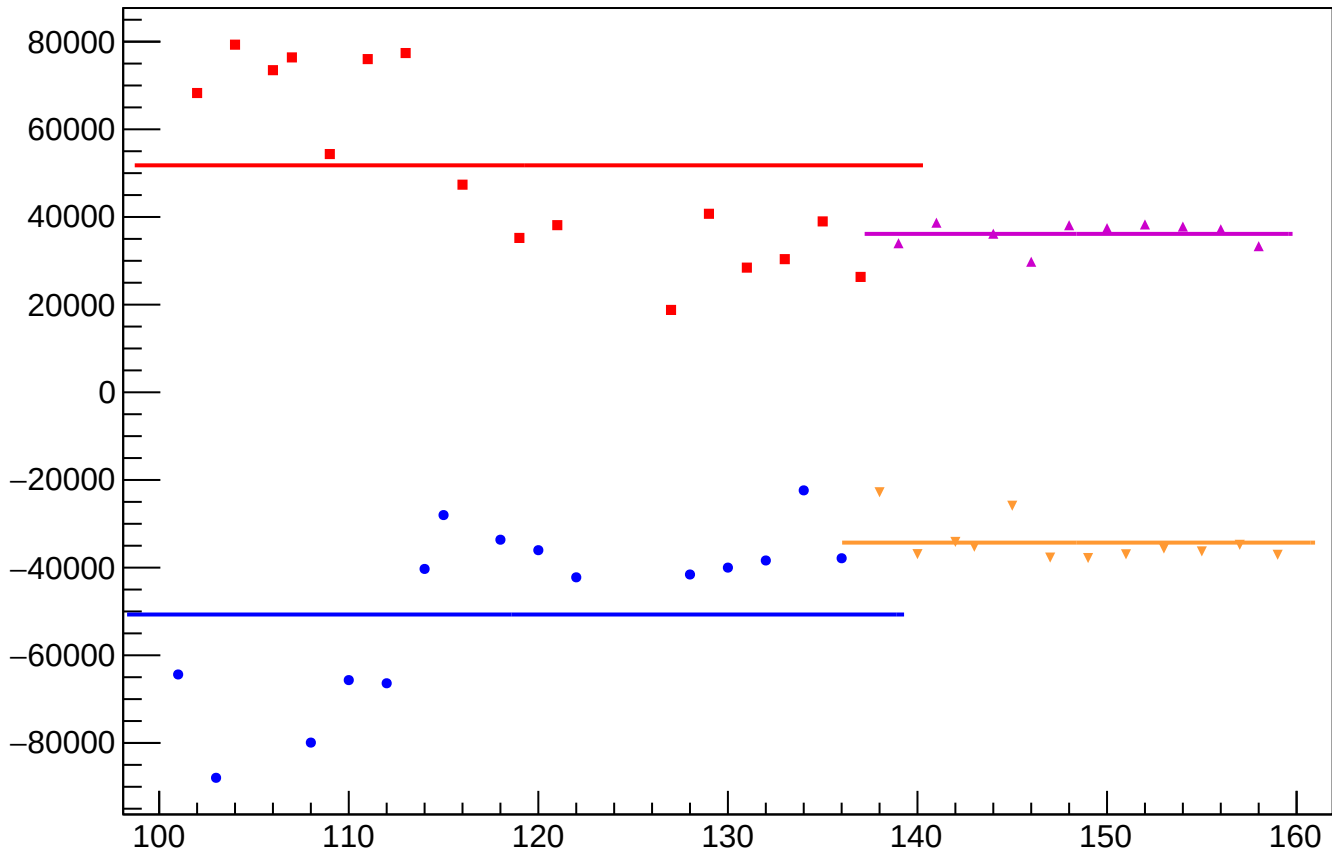
Right In: 136.711 $\pm$ 0.000 χ^2 /NDF: 2687065030885227126291764267456659456.0/14
 Left Out: 75.033 $\pm$ 0.000 χ^2 /NDF: 265697800274954088415608872374370304.0/11
 Right Out: -138.179 $\pm$ 0.000 χ^2 /NDF: 3230883352878636334641613561898467328.0/15
 Left In: -80.357 $\pm$ 0.000 χ^2 /NDF: 227110962175699921814949830343000064.0/9
 All: -0.953 $\pm$ 0.000 χ^2 /NDF: 4192437002702

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: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

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: 36143.489+/-0.000

χ^2/NDF : 226613585253908576683077761132188355526656.0/14

χ^2/NDF : 20273129403990820789866105908116664090624.0/11

χ^2/NDF : 281789617729131996271154198472617478848512.0/15

χ^2/NDF : 613703233245977394664699079975555110912.0/9

Left: -409.672+/-0.000

Right: 1245.090+/-0.000

In: -1453.879+/-0.000

Out: 1953.291+/-0.000

All: 296.675+/-0.000

χ^2/NDF : 221485705536495

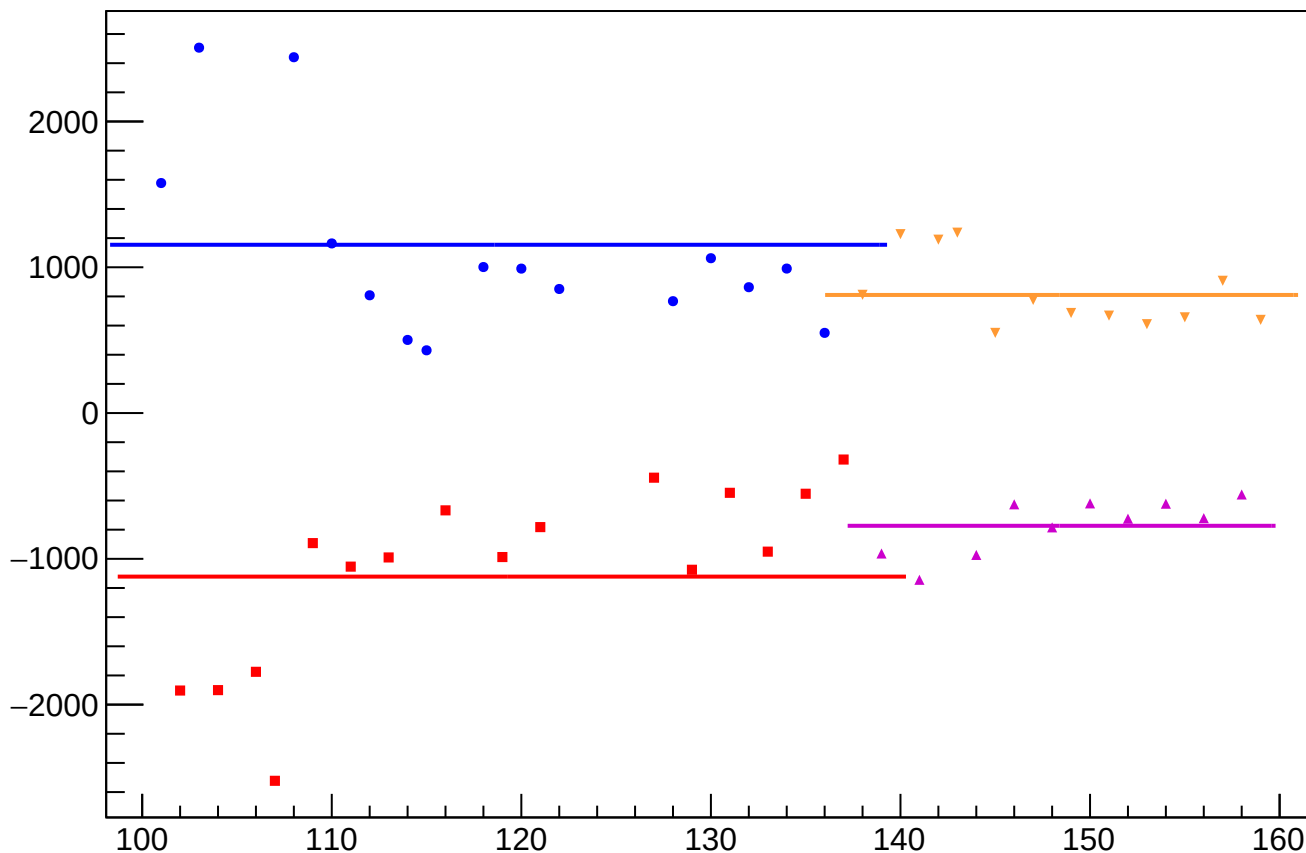
χ^2/NDF : 39629195371379

χ^2/NDF : 300792801588475

χ^2/NDF : 316297321958790

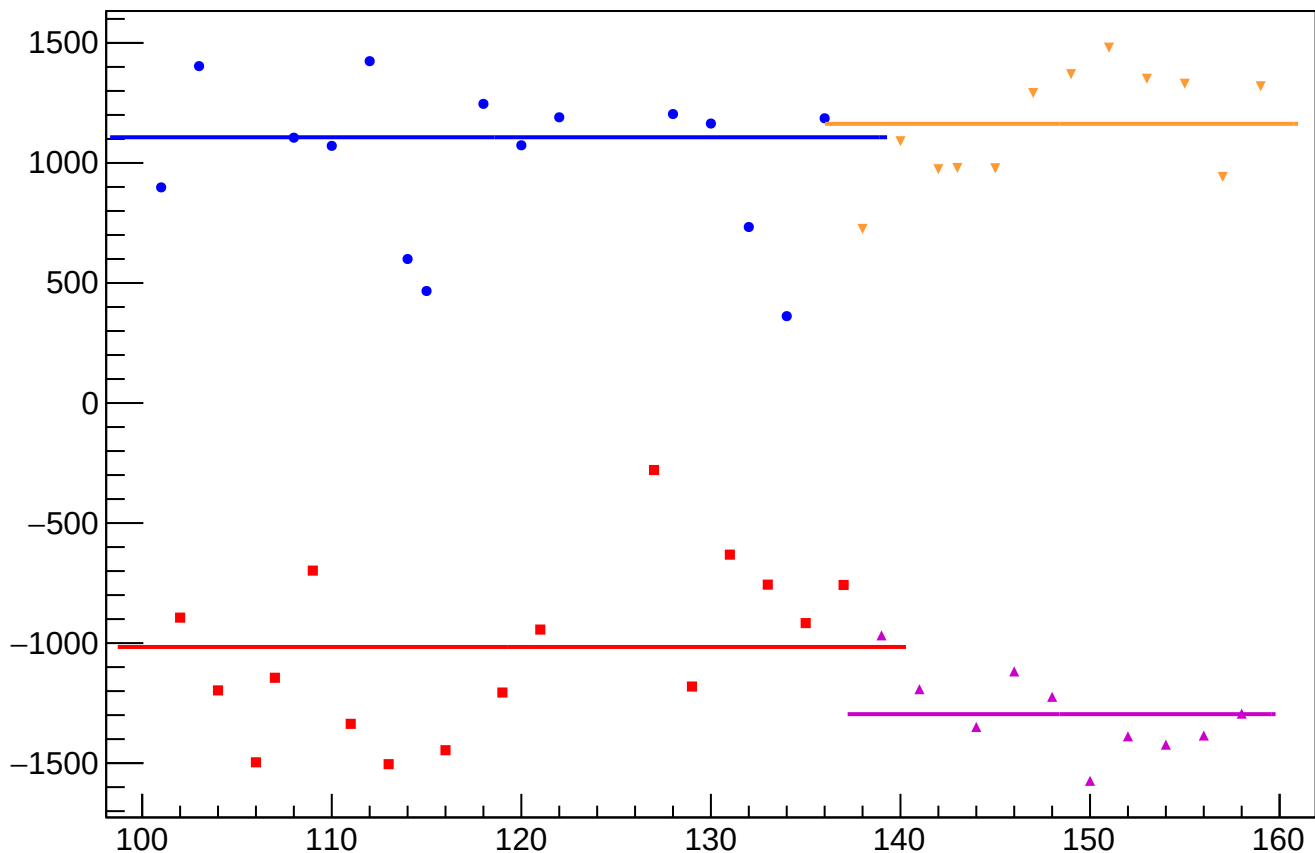
χ^2/NDF : 617984192550

dit_sam2_coil4_err_mean vs Slug, Sign Corrected



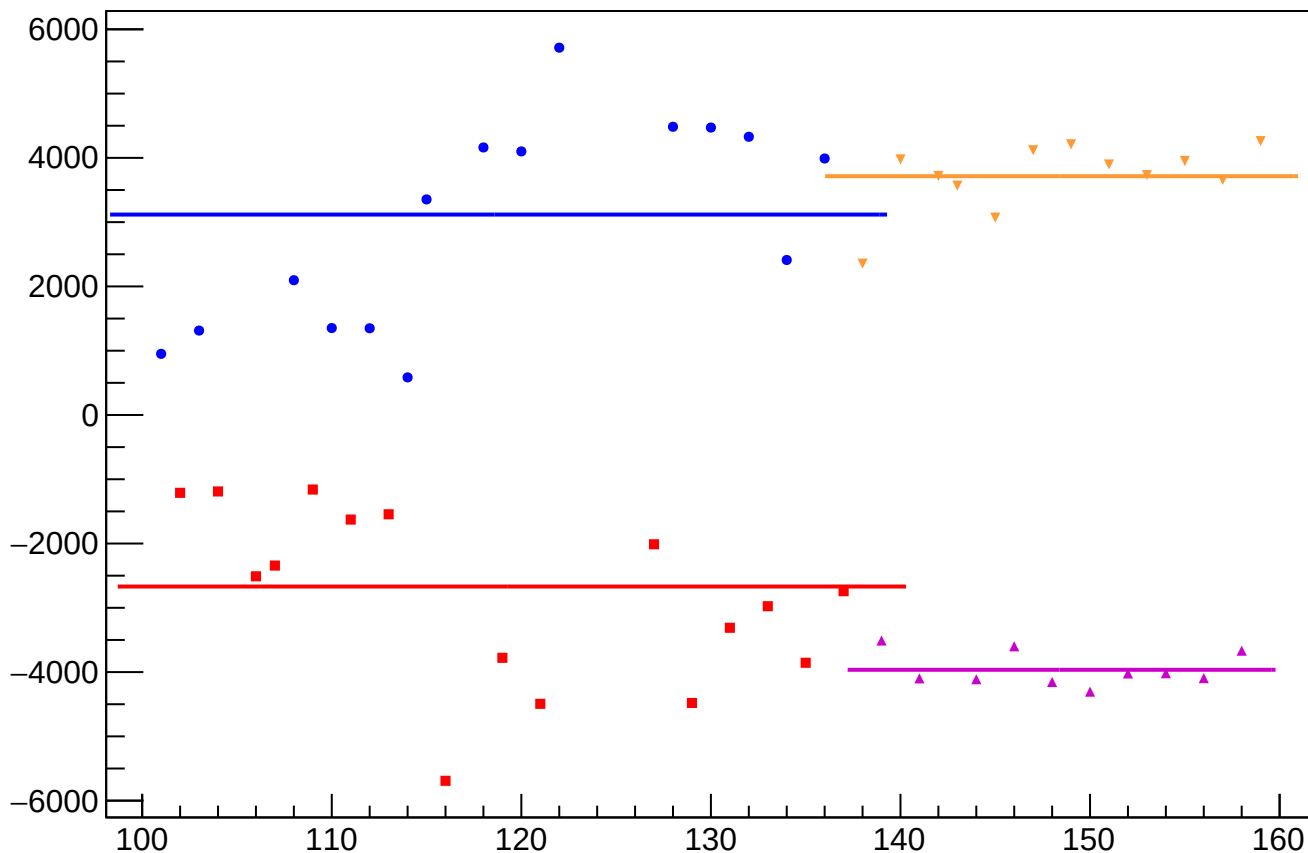
Right In: 1154.331+/-0.000 χ^2/NDF : 249270472563470703232737910394663731200.0/14
 Left Out: 810.109+/-0.000 χ^2/NDF : 49902289627136601603211934324001603584.0/11
 Right Out: -1121.934+/-0.000 χ^2/NDF : 226159335639567338179811644002797617152.0/15
 Left In: -773.369+/-0.000 χ^2/NDF : 28312949171415339792780101258433265664.0/9
 All: 28.004+/-0.000 χ^2/NDF : 3365773958531

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: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

dit_sam3_coil4_mean vs Slug, Sign Corrected



Right In: 3117.914+/-0.000

Left Out: 3714.902+/-0.000

Right Out: -2668.794+/-0.000

Left In: -3964.157+/-0.000

χ^2/NDF : 1552738593335565674554918493159210090496.0/14

χ^2/NDF : 249652403492940962475363372882127224832.0/11

χ^2/NDF : 1136406286131098596000054422131257114624.0/15

χ^2/NDF : 53856119935619583920940086930245156864.0/9

Left: 20.957+/-0.000 χ^2/NDF : 26315145352721048

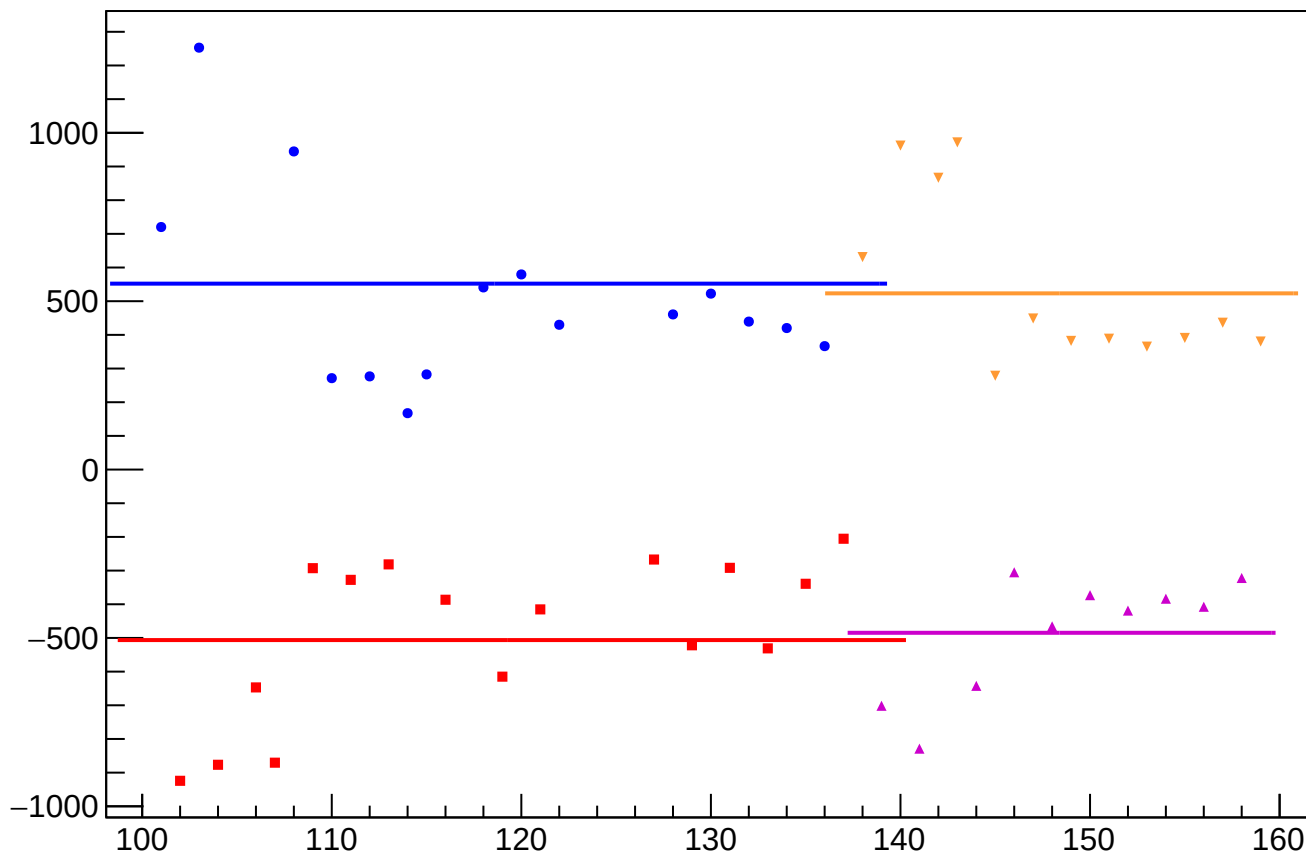
Right: 184.985+/-0.000 χ^2/NDF : 137039743554262

In: -897.937+/-0.000 χ^2/NDF : 2006450311413048

Out: 1026.818+/-0.000 χ^2/NDF : 171216983651116

All: 90.974+/-0.000 χ^2/NDF : 4003941301122

dit_sam3_coil4_err_mean vs Slug, Sign Corrected



Right In: 552.108 $\pm$ 0.000 χ^2 /NDF: 50739041741159119848523988236001869824.0/14

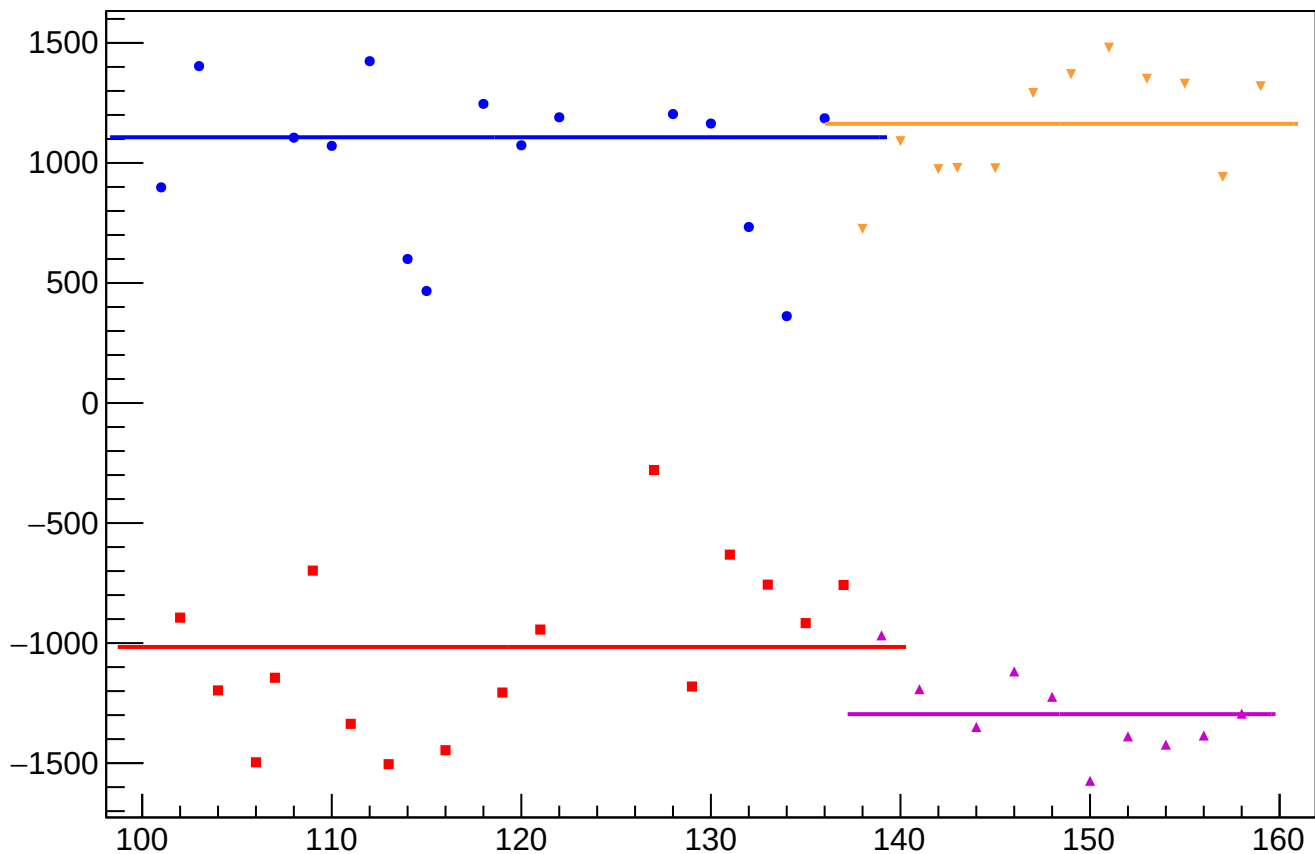
Left Out: 523.267 $\pm$ 0.000 χ^2 /NDF: 497028662449920974103868340594948864.0/11

Right Out: -506.345 $\pm$ 0.000 χ^2 /NDF: 37181653297314883501659131806010572800.0/15

Left In: -484.720 $\pm$ 0.000 χ^2 /NDF: 23837201947881500130376459770379894784.0/9

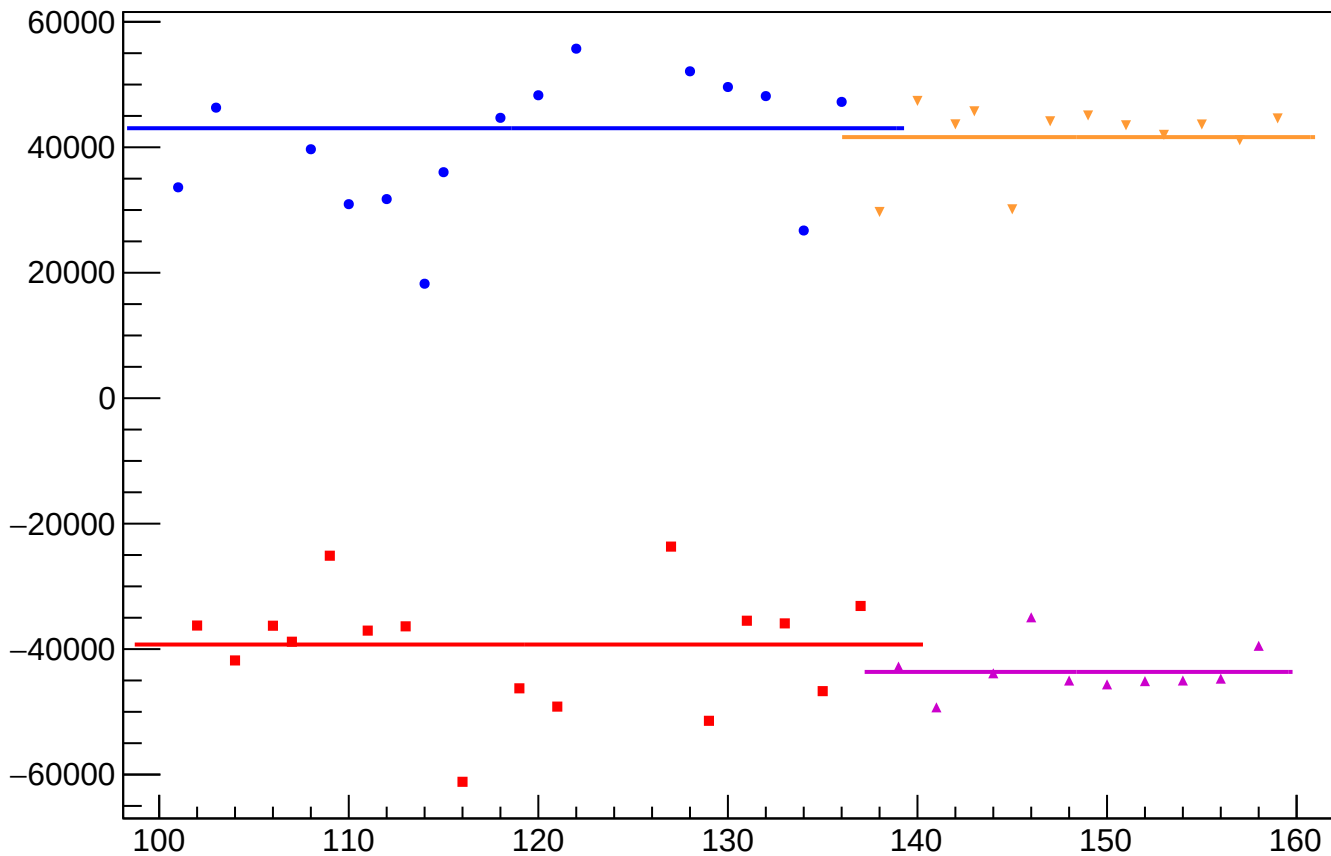
All: 28.677 $\pm$ 0.000 χ^2 /NDF: 9785573749373

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: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

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

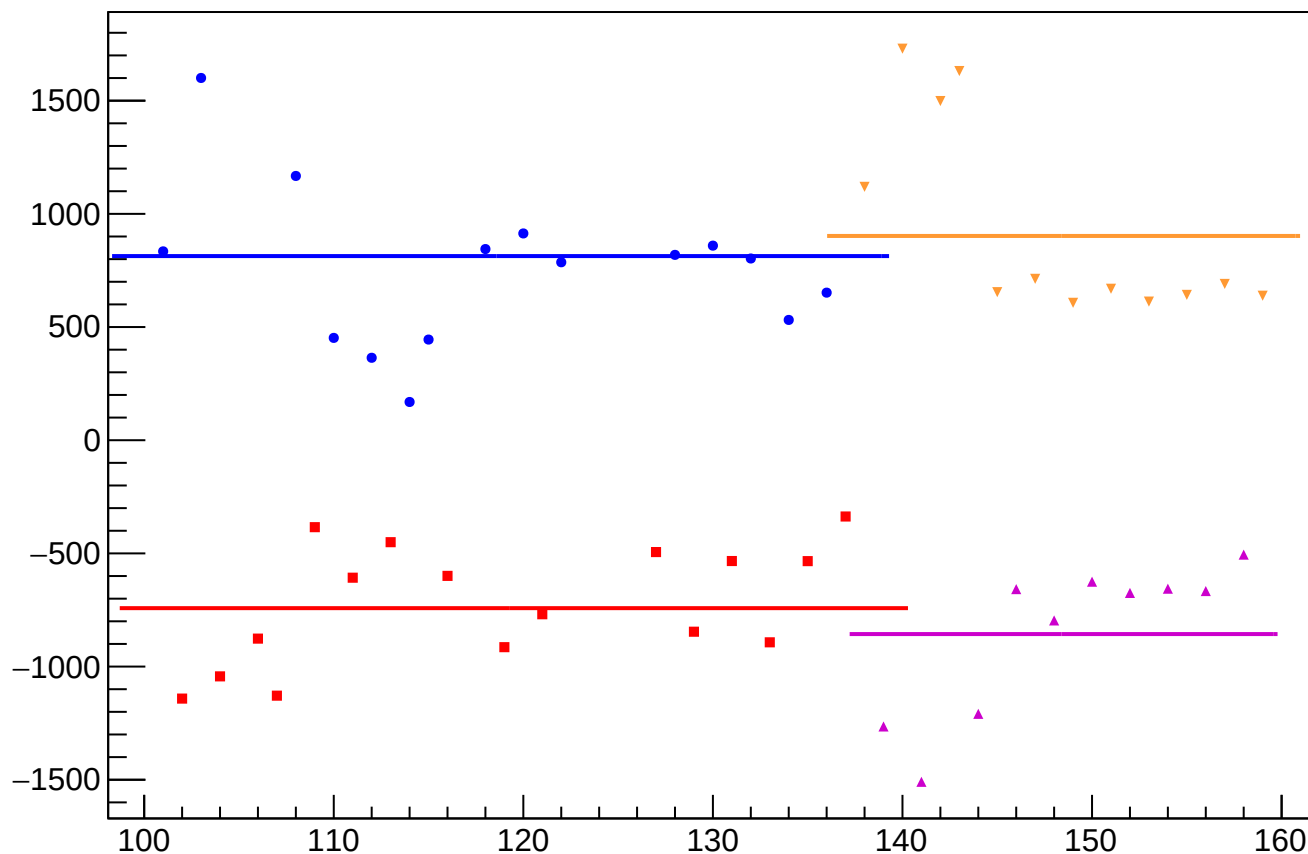
χ^2/NDF : 51873036517757666237545716605051585167360.0/15

Left In: -43636.048+/-0.000

χ^2/NDF : 11429330763941933134043199111604576714752.0/9

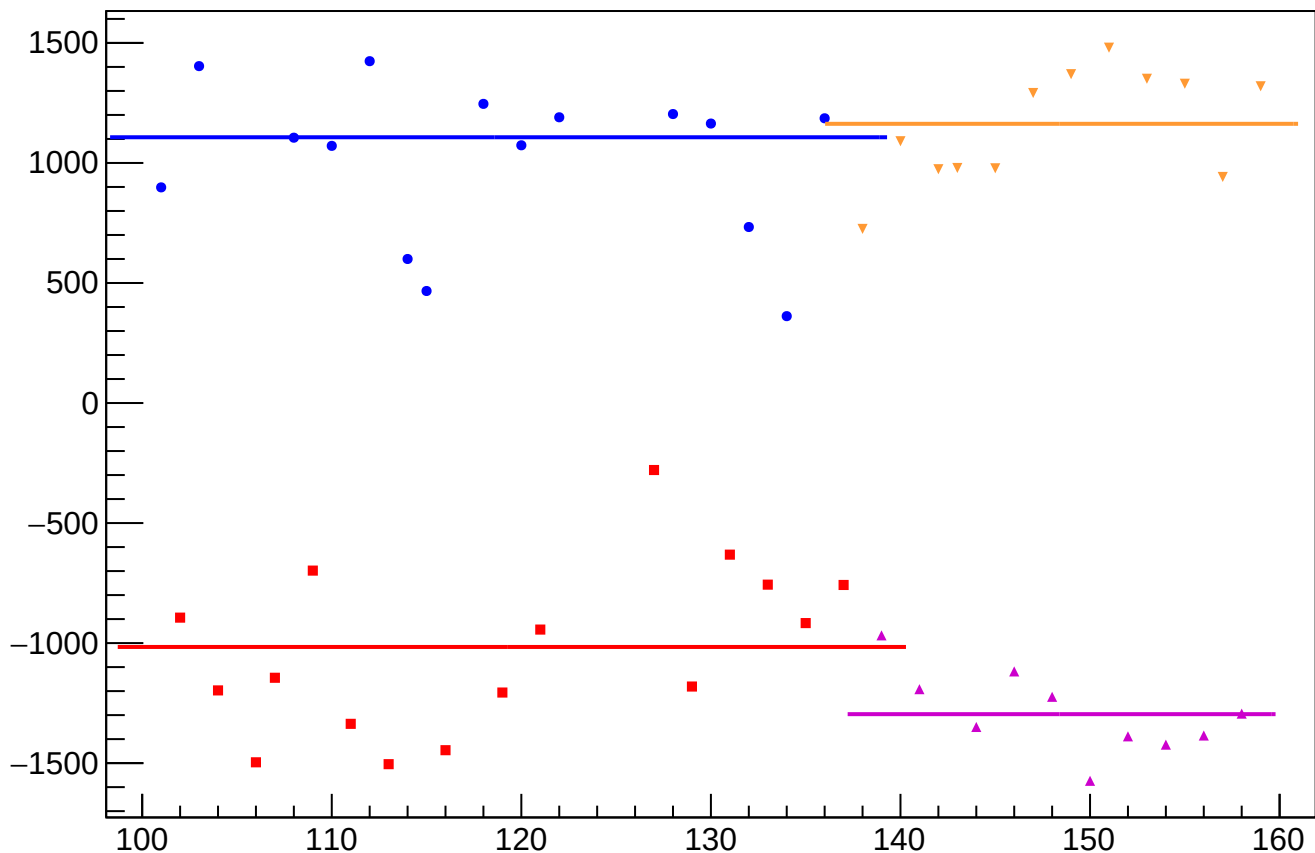
All: 913.842+/-0.000 χ^2/NDF : 557580569027

dit_sam4_coil4_err_mean vs Slug, Sign Corrected



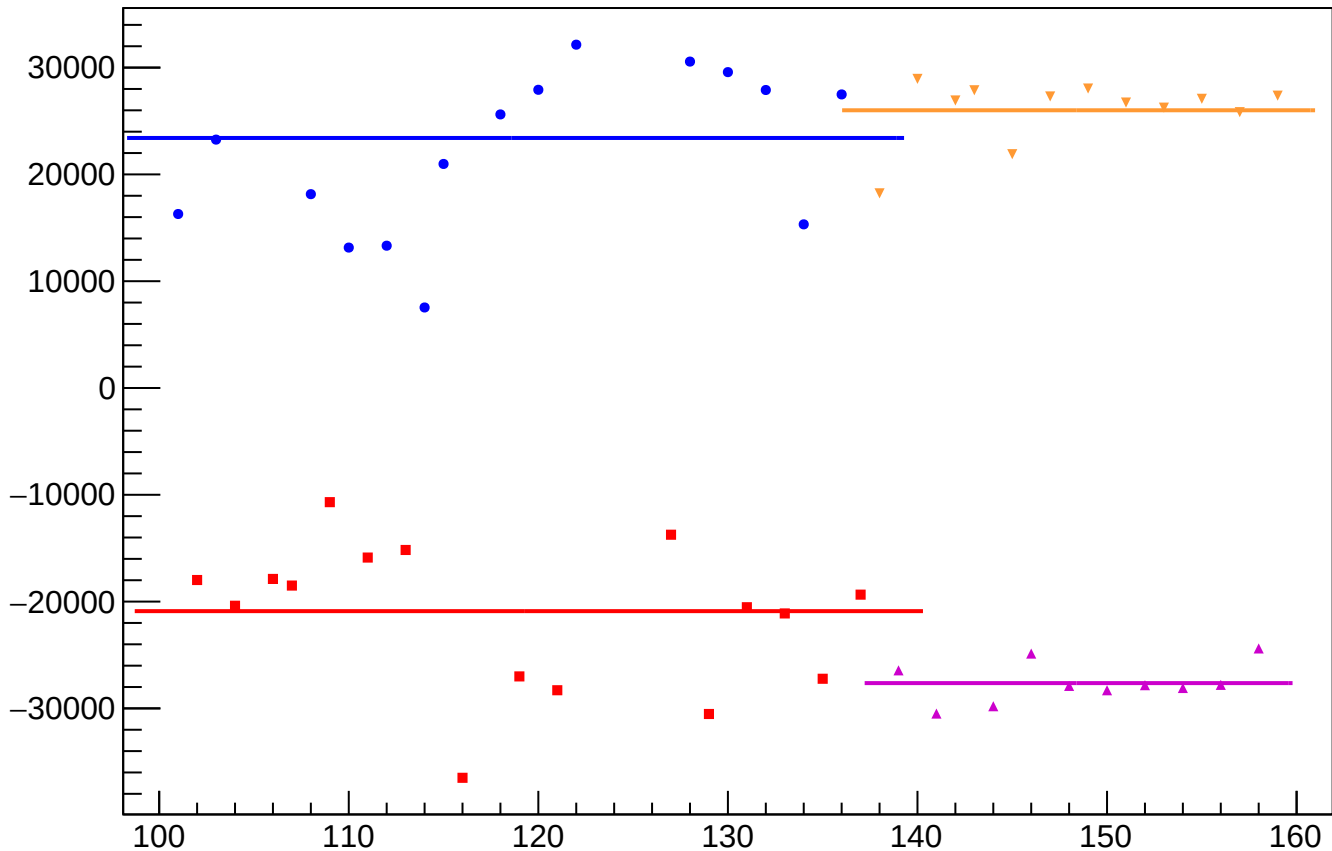
Left: 56.358+/-0.000 χ^2/NDF : 16058006722094560
 Right In: 813.500+/-0.000 χ^2/NDF : 67120916816548237638948787518351343616.0/14
 Right: 25.157+/-0.000 χ^2/NDF : 9069972726032984
 Left Out: 902.421+/-0.000 χ^2/NDF : 152718326074036425760692281422815166464.0/11
 In: -133.405+/-0.000 χ^2/NDF : 1181863753622271
 Right Out: -741.911+/-0.000 χ^2/NDF : 44074134397215409235604746432671645696.0/15
 Out: 210.016+/-0.000 χ^2/NDF : 1240836958333557
 Left In: -856.395+/-0.000 χ^2/NDF : 88523329351140405321858406601386360832.0/9
 All: 43.040+/-0.000 χ^2/NDF : 2513532200749

dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected



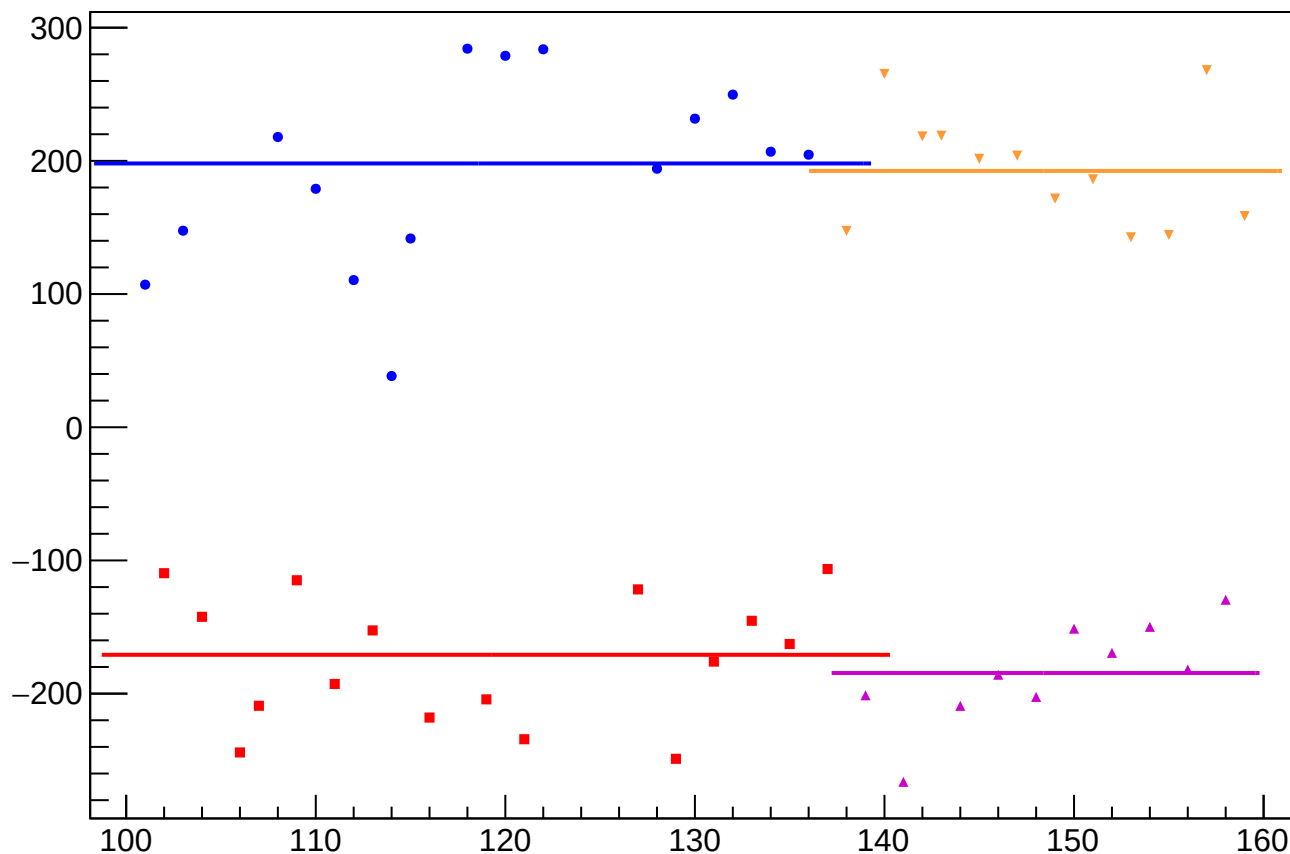
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

dit_sam5_coil4_mean vs Slug, Sign Corrected



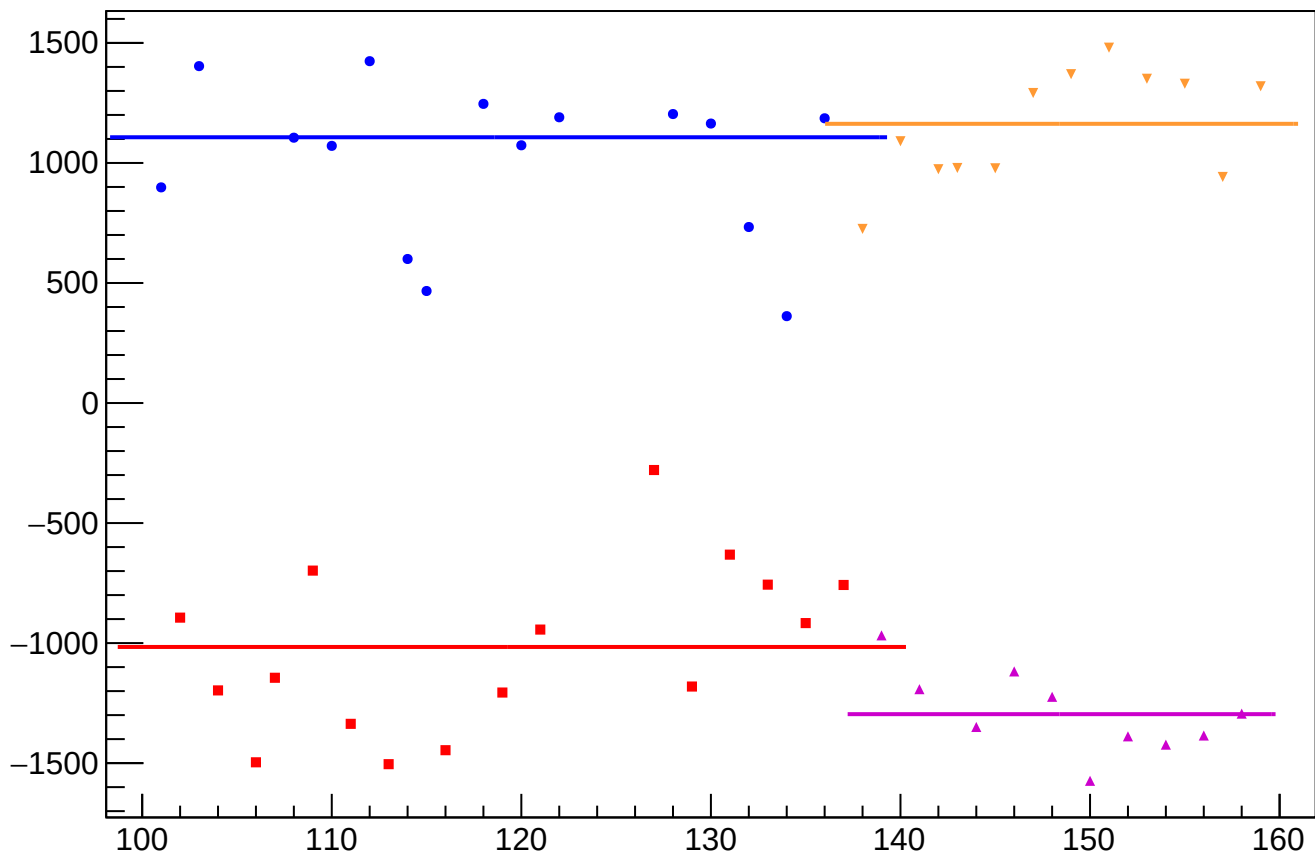
Right In: 23411.506 +/- 0.000 χ^2/NDF : 28427457471780319352885746571315708428288.0/14
 Left Out: 26004.082 +/- 0.000 χ^2/NDF : 7839626408572155503333833682521065259008.0/11
 Right Out: -20894.122 +/- 0.000 χ^2/NDF : 27408965804578649107002909409987218374656.0/15
 Left In: -27632.659 +/- 0.000 χ^2/NDF : 2783418668320667126159563265788054863872.0/9
 All: 524.058 +/- 0.000 χ^2/NDF : 19816331378

dit_sam5_coil4_err_mean vs Slug, Sign Corrected



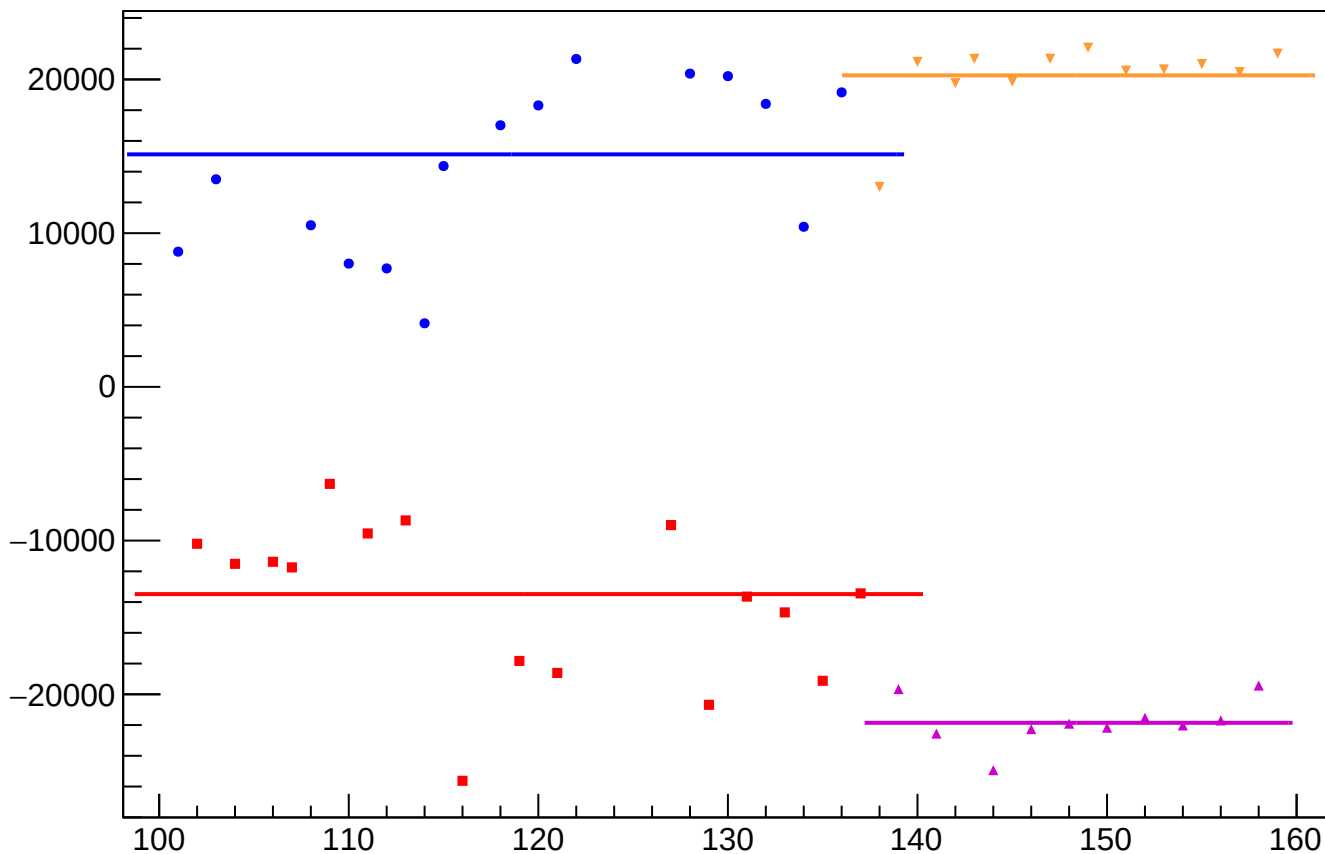
Left: 11.111 +/- 0.000 χ^2/NDF : 65499316835577671
 Right: 11.079 +/- 0.000 χ^2/NDF : 4866728486717223
 In: -18.884 +/- 0.000 χ^2/NDF : 57492228370788730
 Out: 39.470 +/- 0.000 χ^2/NDF : 54051842514389313
 All: 11.098 +/- 0.000 χ^2/NDF : 1141666024849

dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected



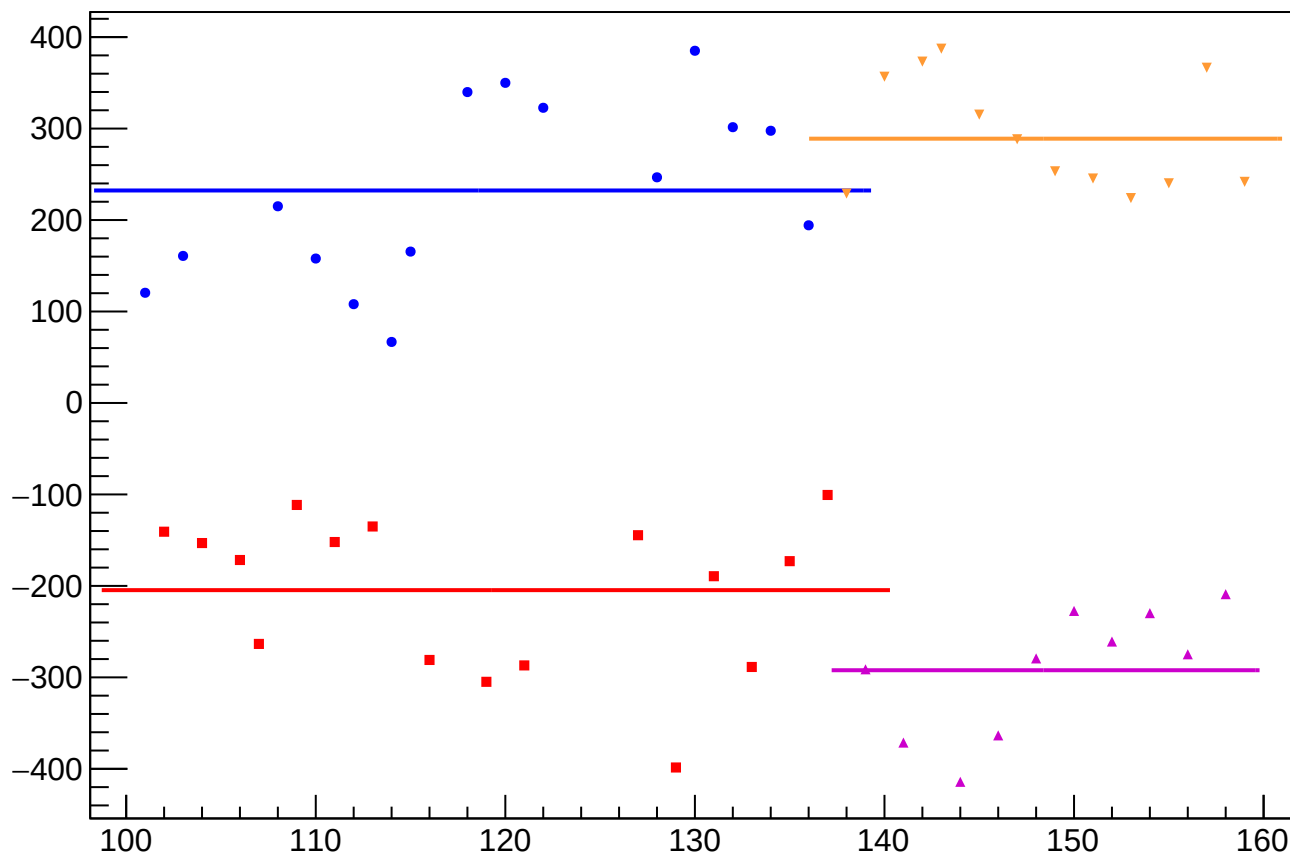
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

dit_sam6_coil4_mean vs Slug, Sign Corrected



Right In: 15125.834+/-0.000 χ^2/NDF : 16615438767664069151744668380763246297088.0/14
 Left Out: 20266.540+/-0.000 χ^2/NDF : 4863660224752470739172242695454111825920.0/11
 Right Out: -13482.244+/-0.000 χ^2/NDF : 15910426475407825250252248749810022088704.0/15
 Left In: -21855.226+/-0.000 χ^2/NDF : 1787592275245225707010455899226505216000.0/9
 All: 269.700+/-0.000 χ^2/NDF : 109132444495

dit_sam6_coil4_err_mean vs Slug, Sign Corrected



Right In: 232.312 $\pm$ 0.000 χ^2 /NDF: 5478184144885833956204804001180418048.0/14

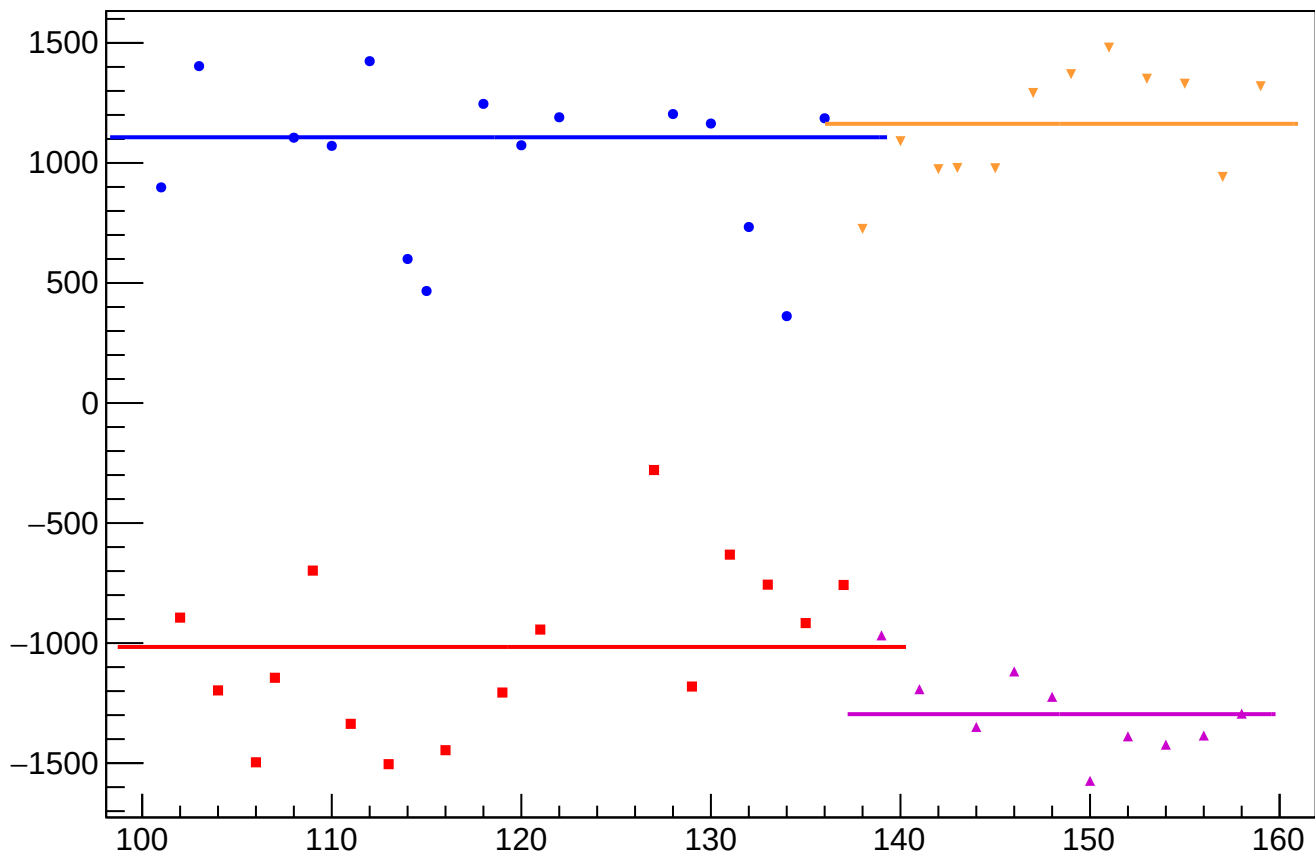
Left Out: 288.949 $\pm$ 0.000 χ^2 /NDF: 3144080021405635930356092886432350208.0/11

Right Out: -204.637 $\pm$ 0.000 χ^2 /NDF: 4555067046835230017930882867882098688.0/15

Left In: -292.203 $\pm$ 0.000 χ^2 /NDF: 3690556831892914723066513376805912576.0/9

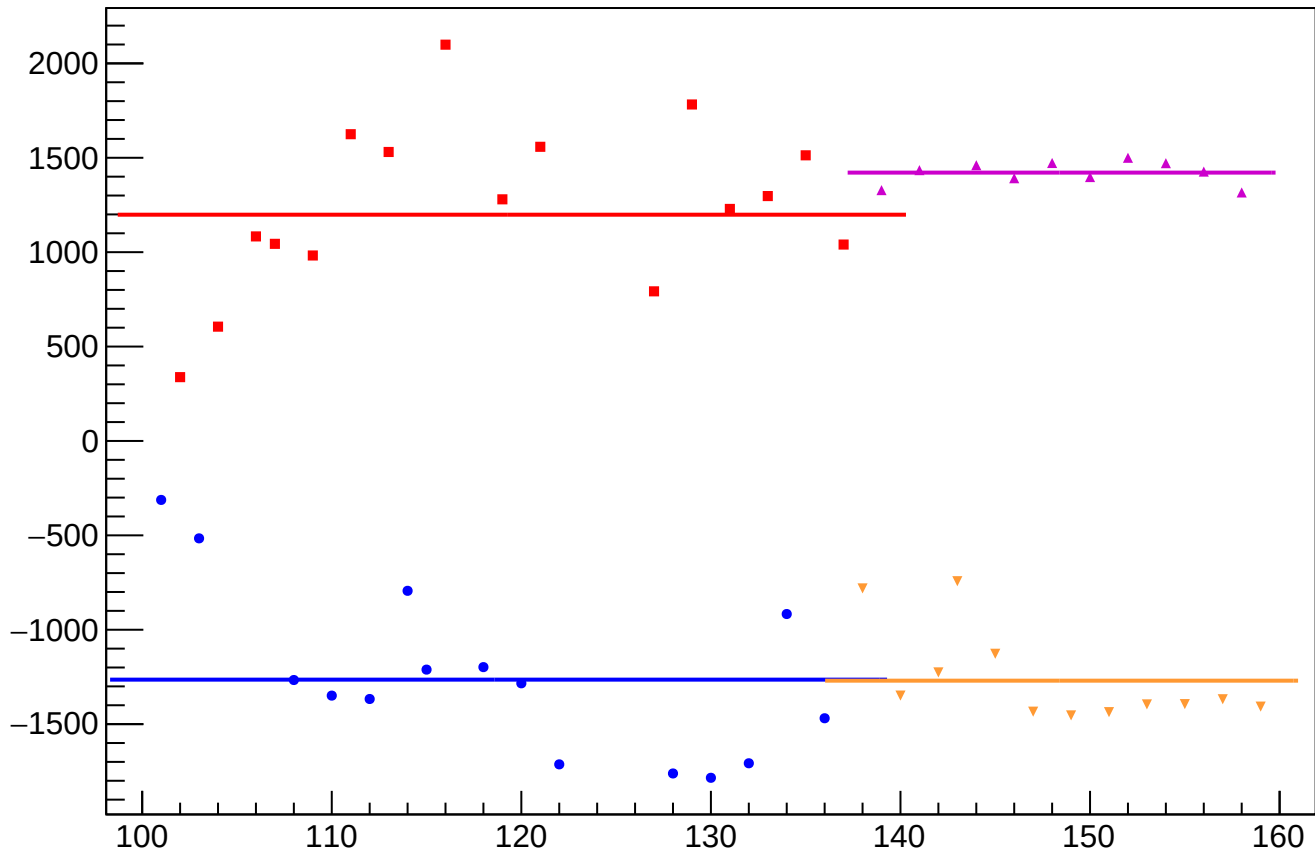
All: 10.013 $\pm$ 0.000 χ^2 /NDF: 2286528343741

dit_sam6_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: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

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: 1421.426+/-0.000

χ^2/NDF : 140215251538502657549173994543931981824.0/14

χ^2/NDF : 51411109749220710488956261055634341888.0/11

χ^2/NDF : 131164763898016793515492217696167133184.0/15

χ^2/NDF : 2847955919513947010630233595532279808.0/9

Left: 24.820+/-0.000 χ^2/NDF : 32489882285975708

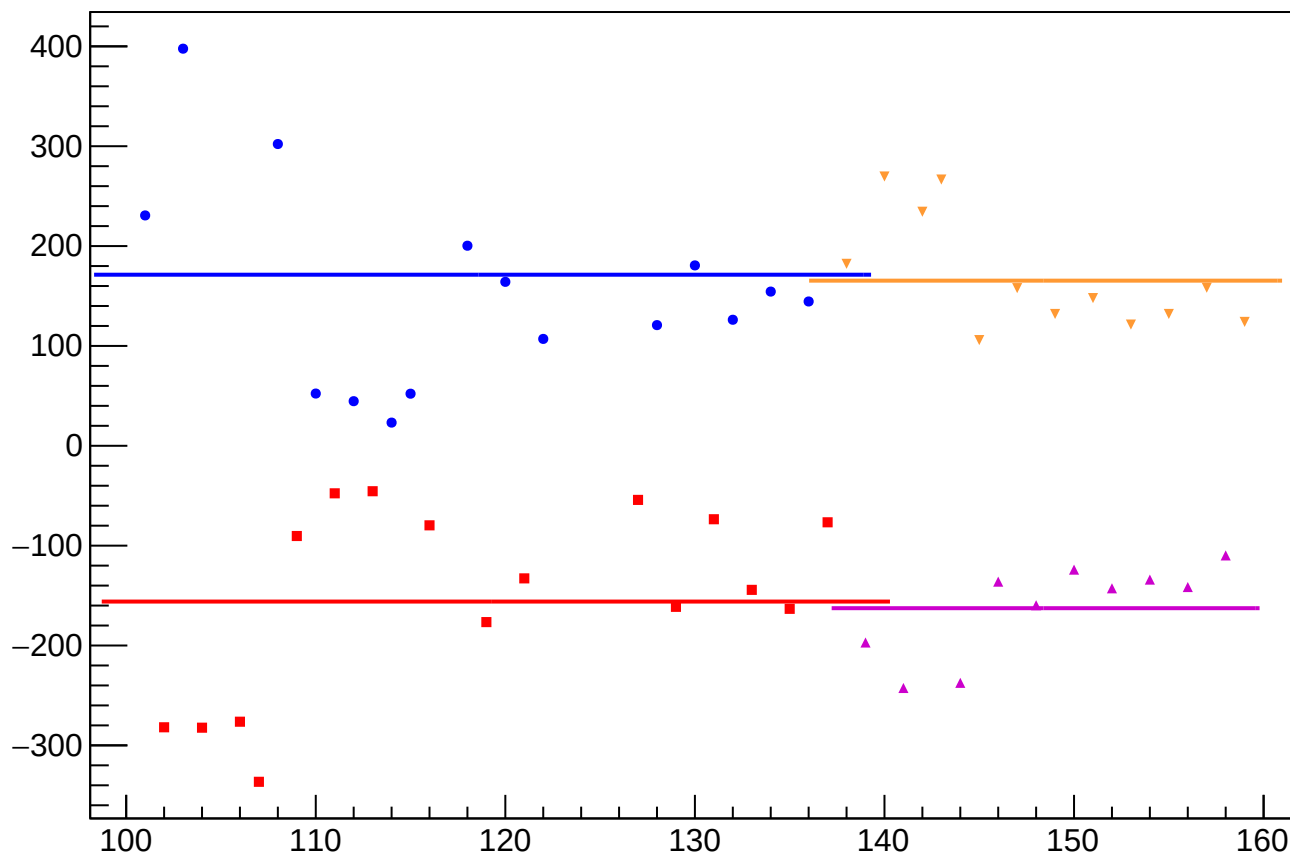
Right: -16.067+/-0.000 χ^2/NDF : 226649511001664

In: 258.626+/-0.000 χ^2/NDF : 2797585004566745

Out: -230.408+/-0.000 χ^2/NDF : 253497117304588

All: 7.367+/-0.000 χ^2/NDF : 55167442588092

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

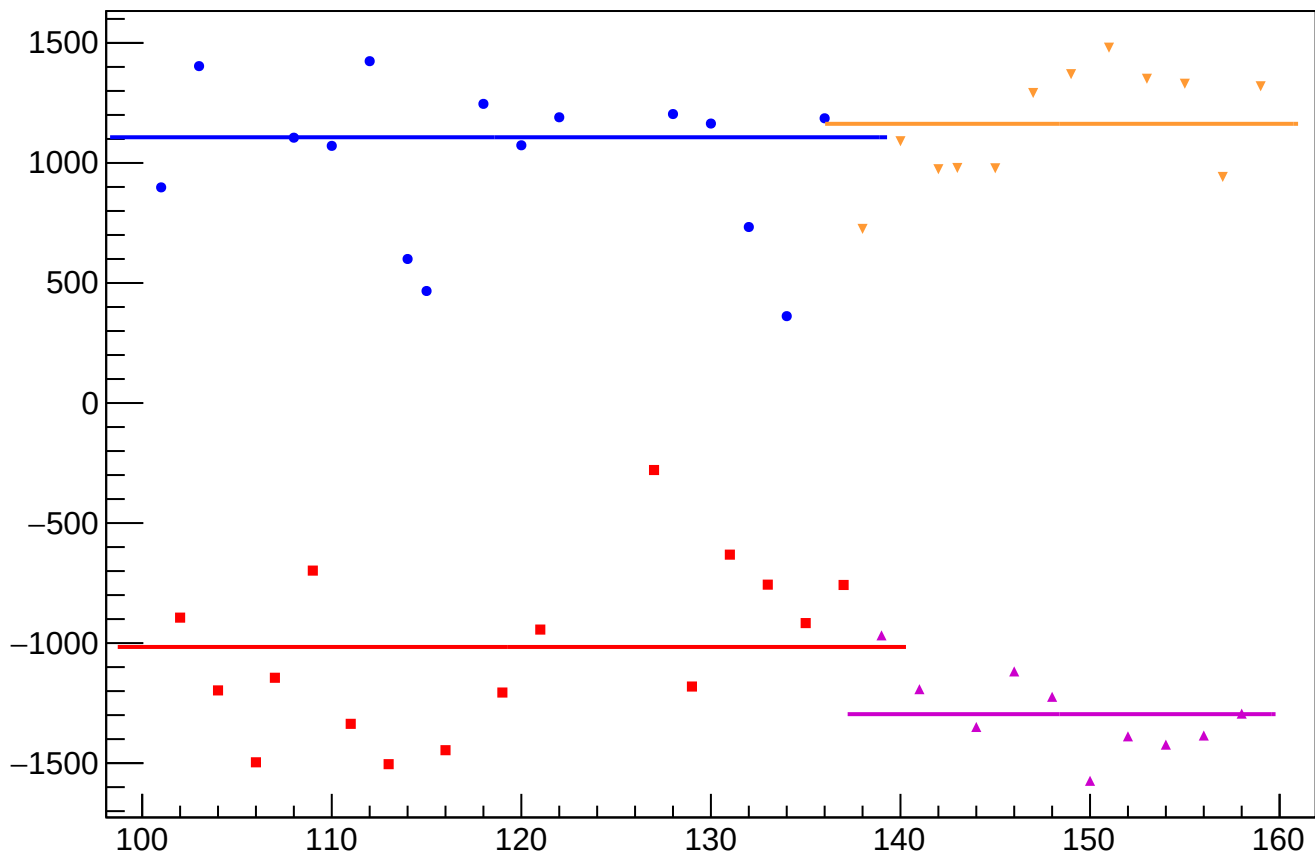
χ^2/NDF : 5680659281504595852021524727244783616.0/15

Left In: -162.632+/-0.000

χ^2/NDF : 1700160528597237199448800386328035328.0/9

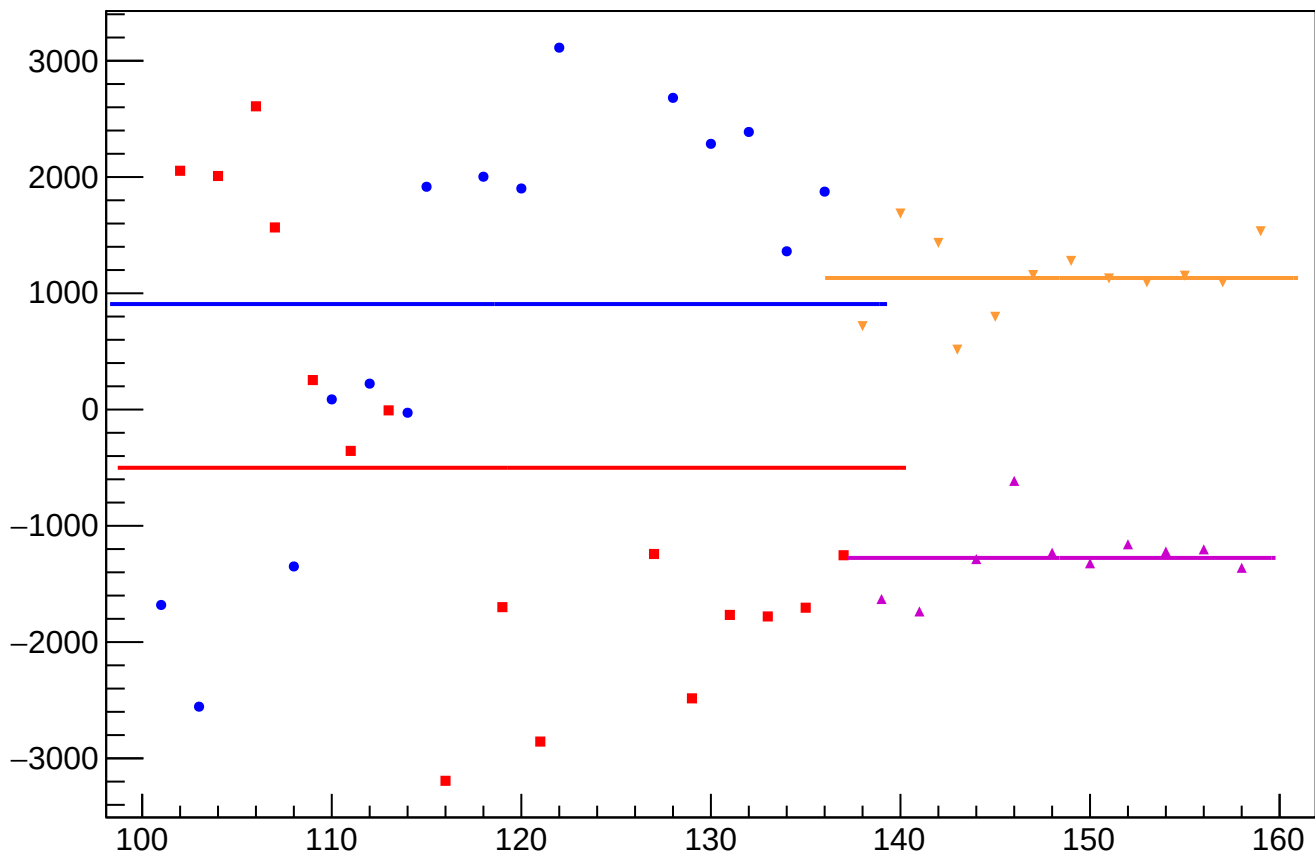
Left: 7.590+/-0.000 χ^2/NDF : 517813815541924523
 Right: 5.426+/-0.000 χ^2/NDF : 47042708197761076
 In: -18.045+/-0.000 χ^2/NDF : 48863969895149256
 Out: 30.051+/-0.000 χ^2/NDF : 48182102488602209
 All: 6.666+/-0.000 χ^2/NDF : 98827620879753

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: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

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: -1275.970+/-0.000

χ^2/NDF : 67420388621828355294603406851107192832.0/9

Left: -26.440+/-0.000 χ^2/NDF : 2717036205315816

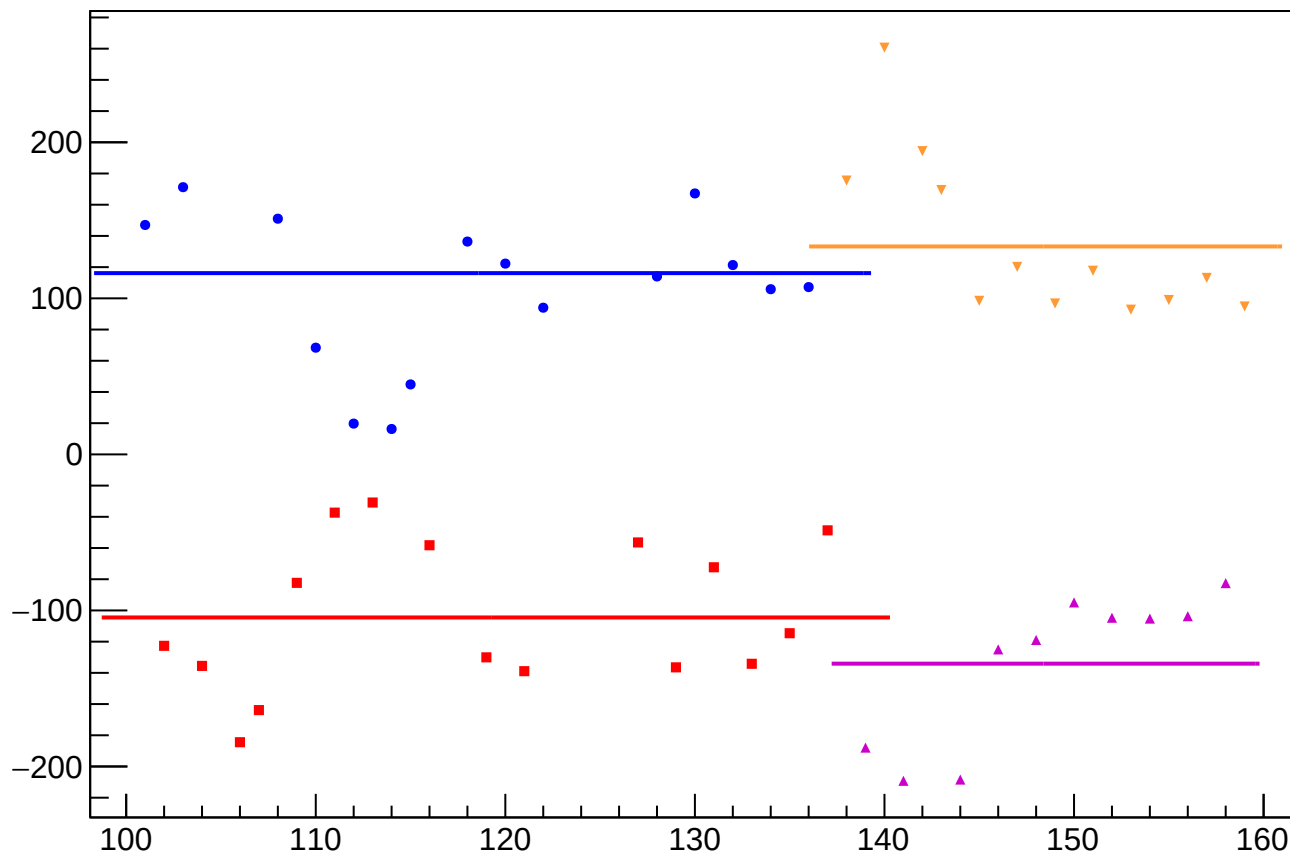
Right: 193.746+/-0.000 χ^2/NDF : 483370034209518

In: -330.650+/-0.000 χ^2/NDF : 3929077330635703

Out: 444.379+/-0.000 χ^2/NDF : 3195612385912640

All: 67.548+/-0.000 χ^2/NDF : 7587304401619

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

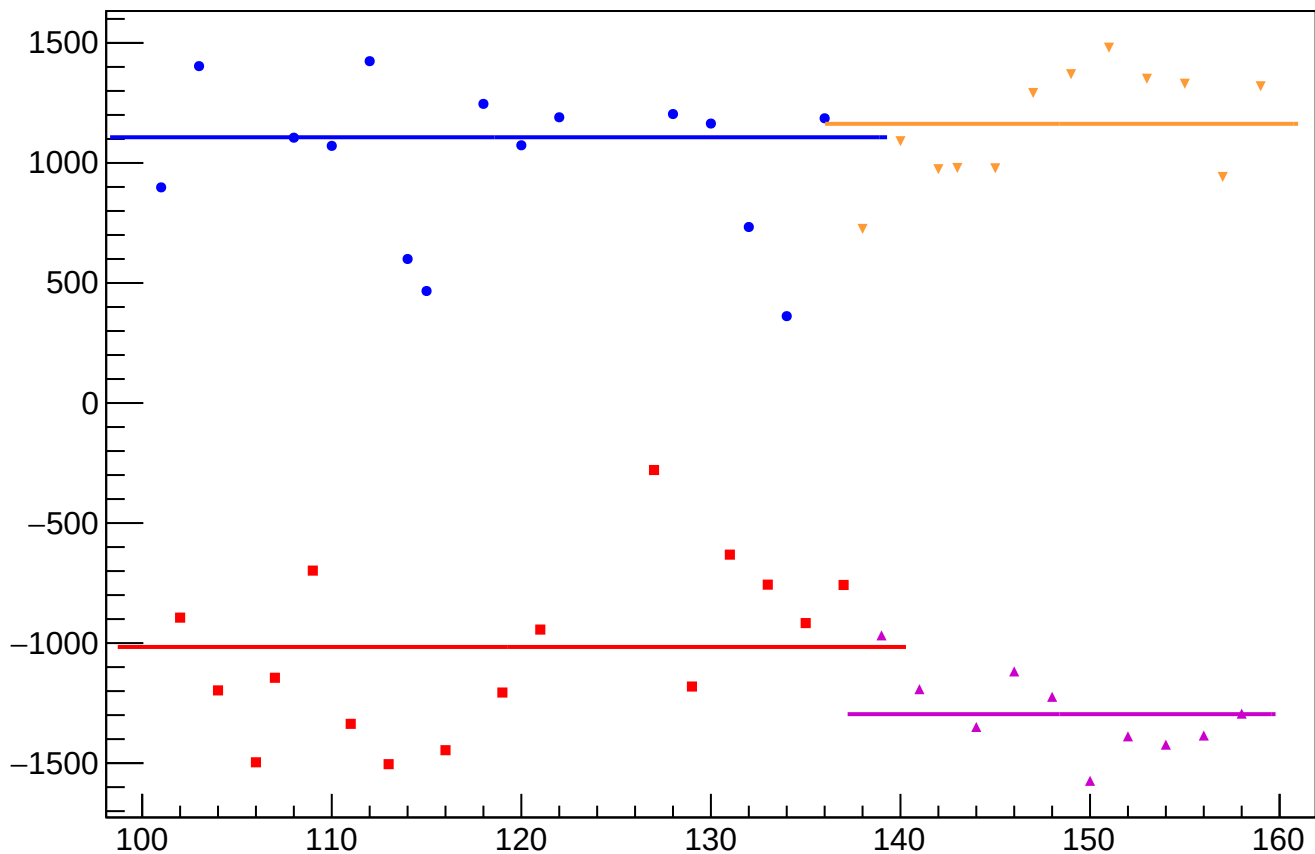
χ^2/NDF : 1285986383644058507445602420764180480.0/15

Left In: -134.100+/-0.000

χ^2/NDF : 1810391344608745032936292443754594304.0/9

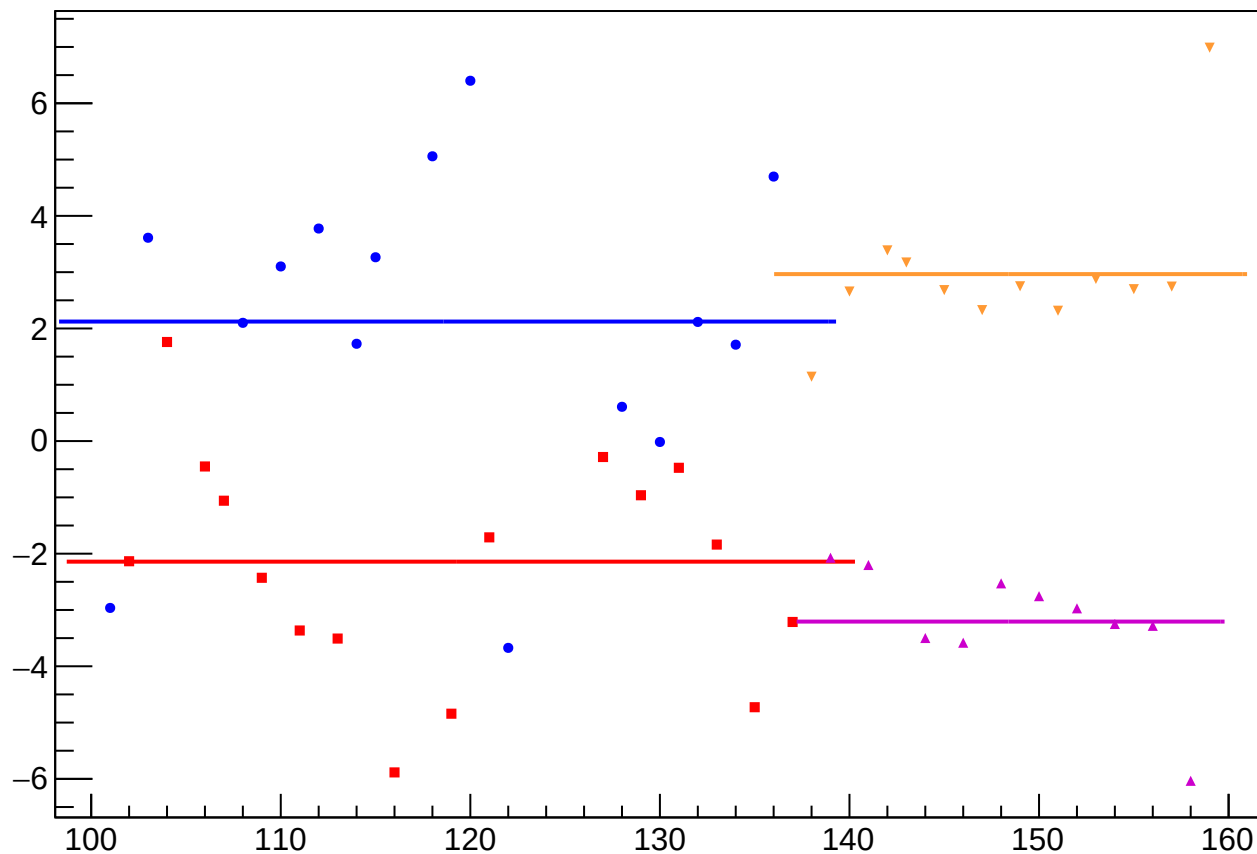
All: 4.508+/-0.000 χ^2/NDF : 54197809706292

dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected



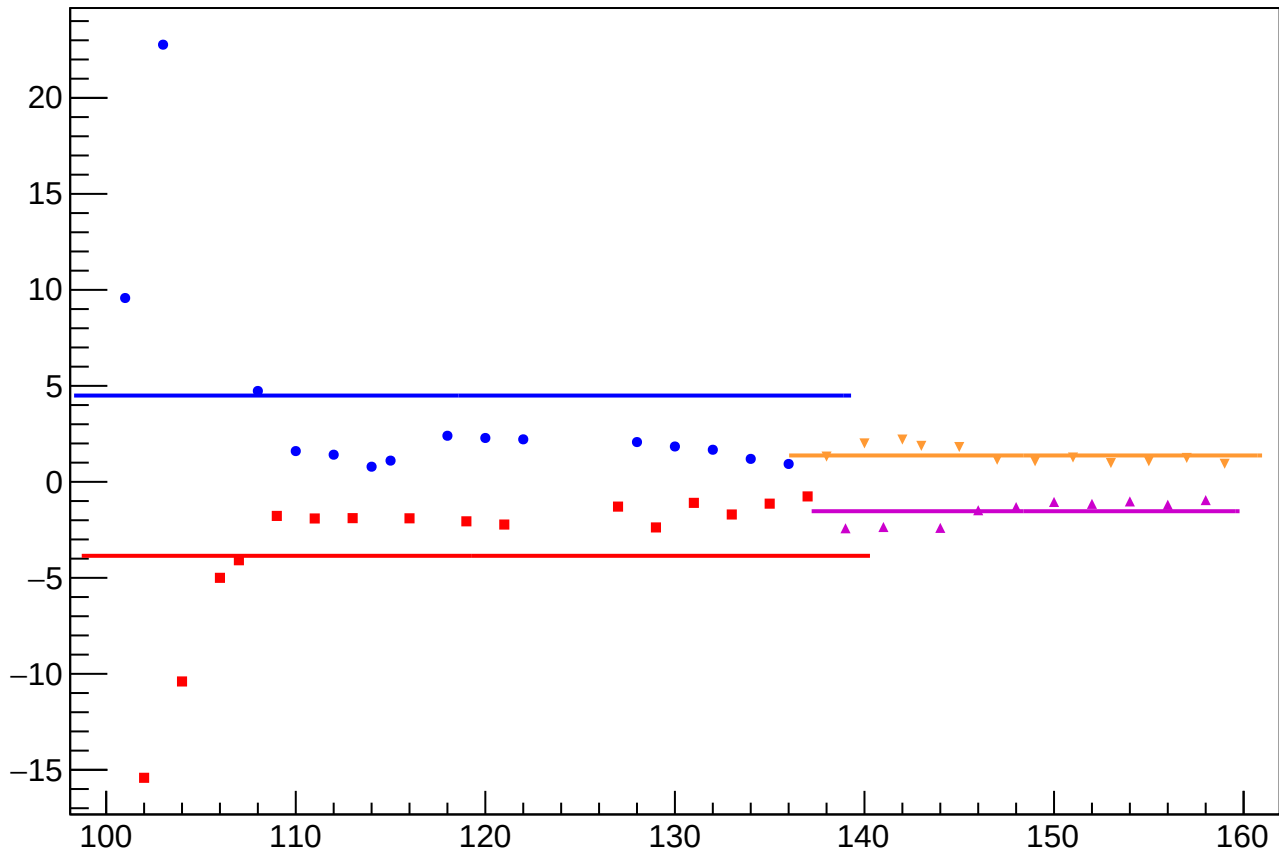
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1296.034+/-0.000 χ^2/NDF : 22794126955598242846656326276143382528.0/9
 All: 1.824+/-0.000 χ^2/NDF : 43339447125741

dit_4aX_coil6_mean vs Slug, Sign Corrected



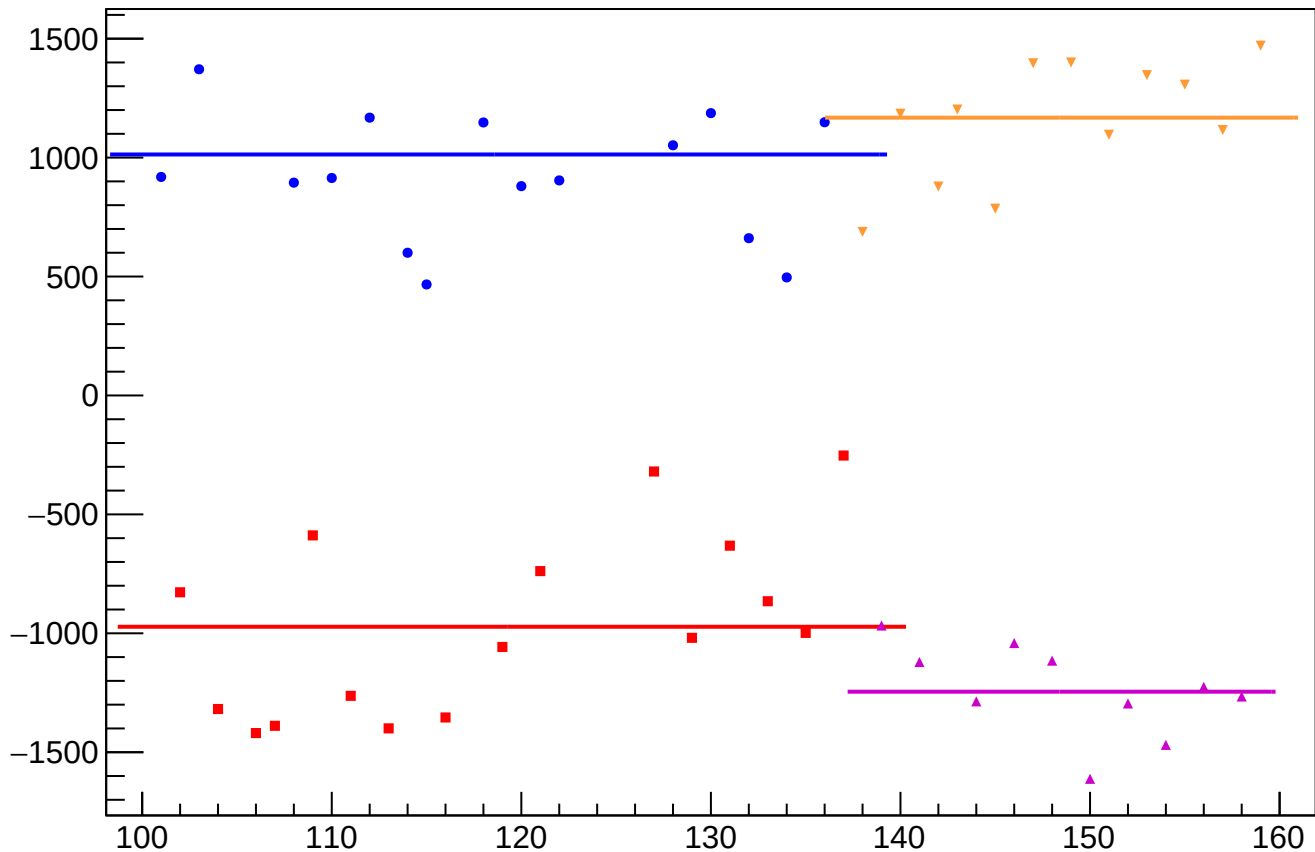
Right In: 2.123 ± 0.000 $\chi^2/\text{NDF}: 5263705922821075971022013849403392.0/14$
 Left Out: 2.966 ± 0.000 $\chi^2/\text{NDF}: 1657147599544170270871306245242880.0/11$
 Right Out: -2.142 ± 0.000 $\chi^2/\text{NDF}: 2472949940993672466161692257026048.0/15$
 Left In: -3.206 ± 0.000 $\chi^2/\text{NDF}: 91982821521239950006921674424320.0/9$
 All: -0.018 ± 0.000 $\chi^2/\text{NDF}: 3309996884346$

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: -1.529+/-0.000 χ^2/NDF : 286129100967537024456998248251392.0/9
 All: 0.100+/-0.000 χ^2/NDF : 64719975342228

dit_4aX_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: -1245.495+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29584355694802852002513400503568695296.0/9

Left: 6.995+/-0.000 χ^2/NDF : 26536151165894083

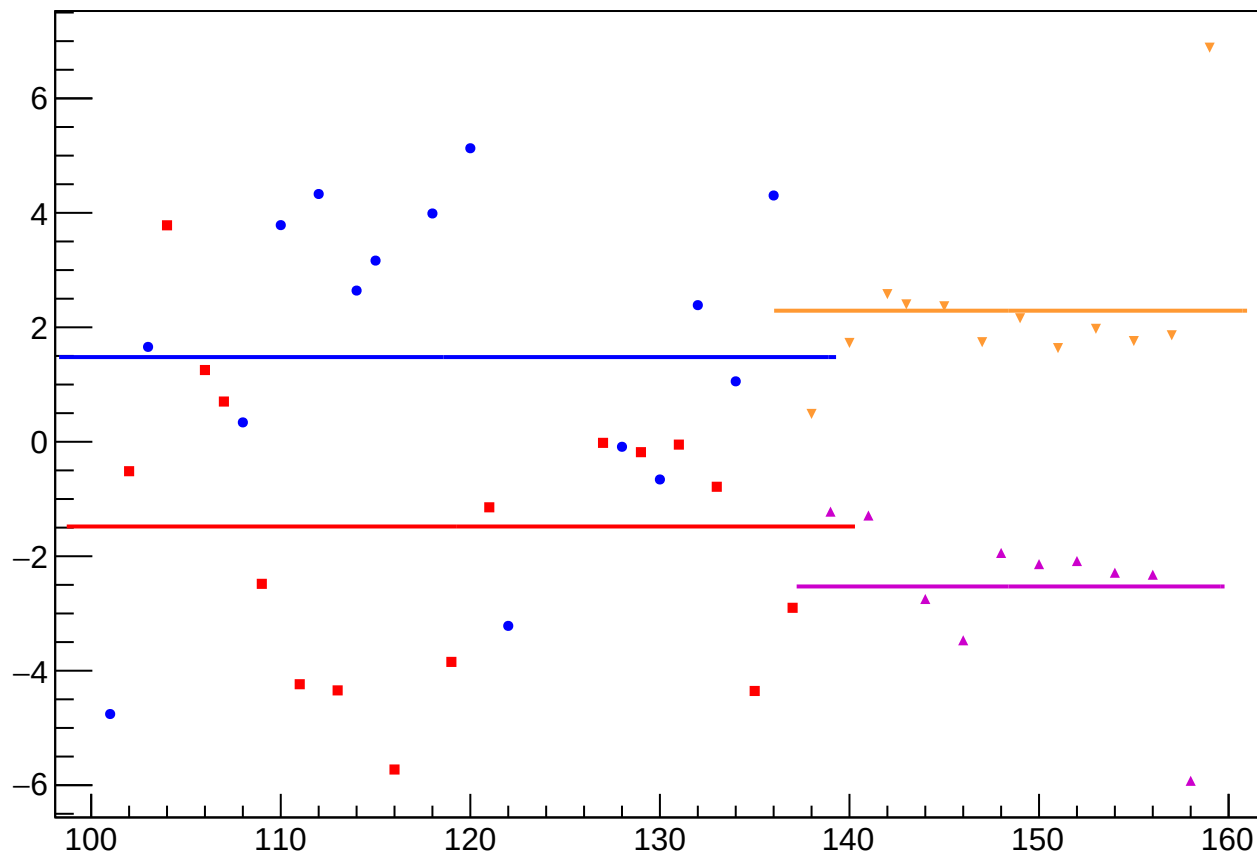
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -267.604+/-0.000 χ^2/NDF : 1938704977440096

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

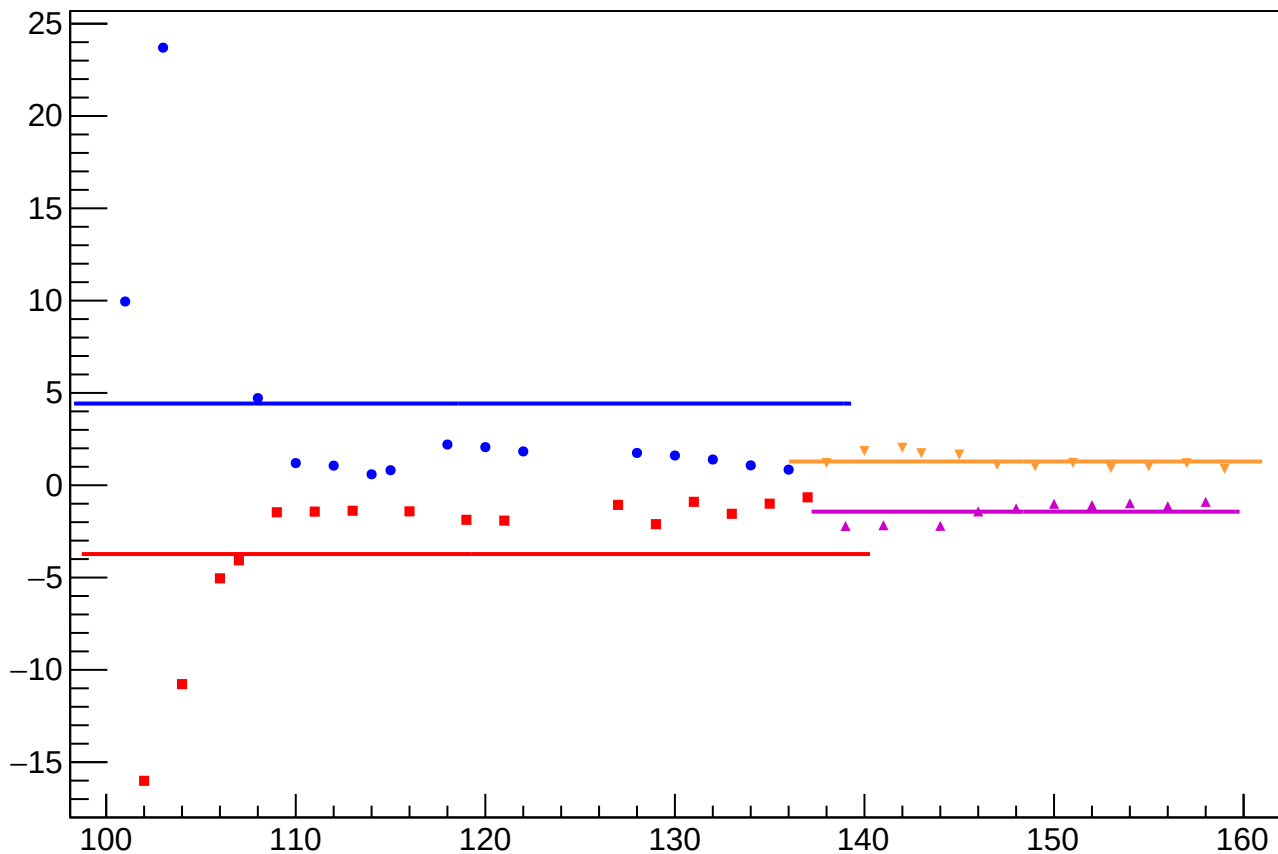
All: 6.896+/-0.000 χ^2/NDF : 40611106000890

dit_4eX_coil6_mean vs Slug, Sign Corrected



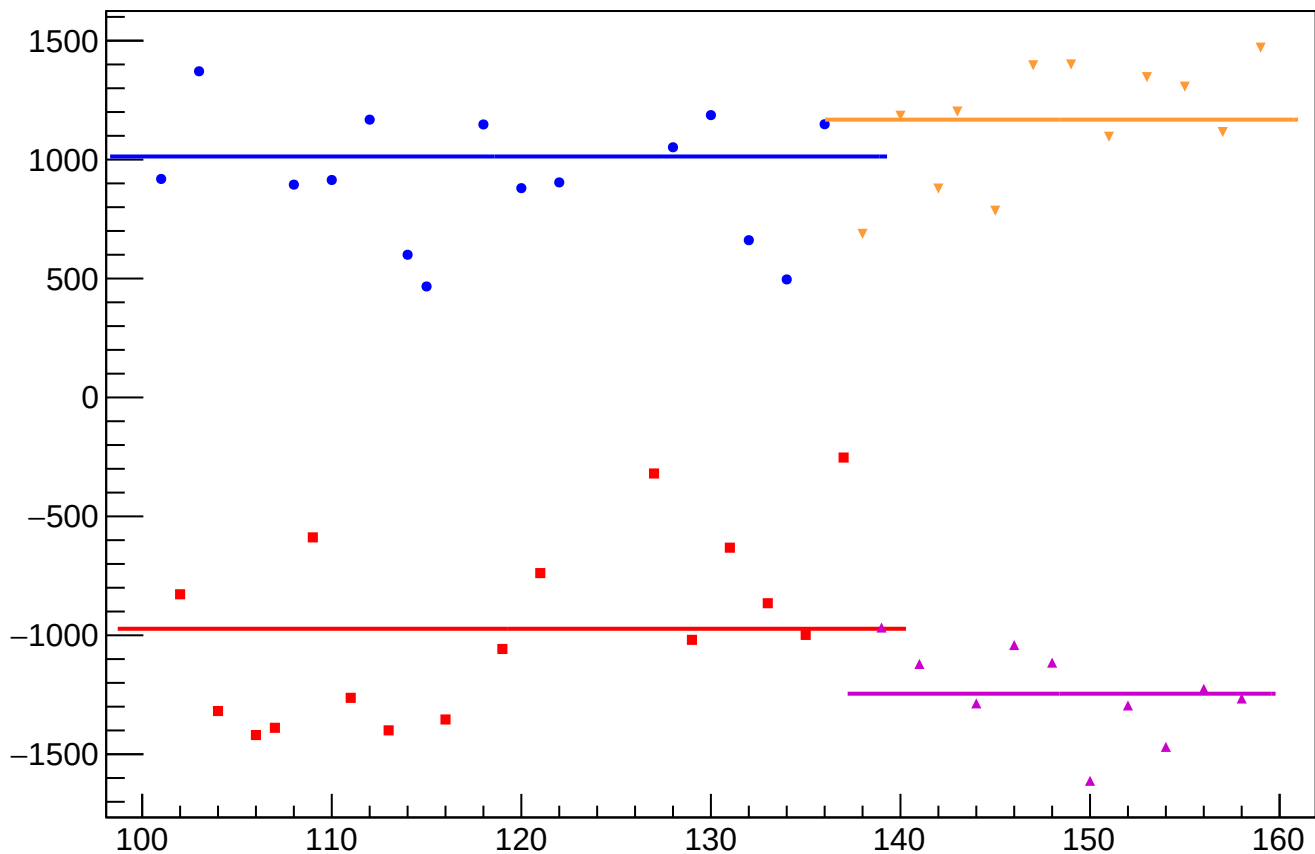
Right In: 1.480+/-0.000 χ^2/NDF : 5799670695902784459055767987683328.0/14
 Left Out: 2.290+/-0.000 χ^2/NDF : 2078203934623339407466741505196032.0/11
 Right Out: -1.480+/-0.000 χ^2/NDF : 4092645800613765572662987820367872.0/15
 Left In: -2.528+/-0.000 χ^2/NDF : 1349044961780870758465859766714368.0/9
 All: -0.024+/-0.000 χ^2/NDF : 2644377980095

dit_4eX_coil6_err_mean vs Slug, Sign Corrected



Right In: 4.424 $\pm$ 0.000 χ^2/NDF : 28257459272876210608839830473277440.0/14
 Left Out: 1.287 $\pm$ 0.000 χ^2/NDF : 115572710425974542014826355359744.0/11
 Right Out: -3.727 $\pm$ 0.000 χ^2/NDF : 13991816814749842519794284853460992.0/15
 Left In: -1.431 $\pm$ 0.000 χ^2/NDF : 224842005619595103645538497593344.0/9
 All: 0.113 $\pm$ 0.000 χ^2/NDF : 67779362731254

dit_4eX_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: -1245.495+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29584355694802852002513400503568695296.0/9

Left: 6.995+/-0.000 χ^2/NDF : 265361511658940839

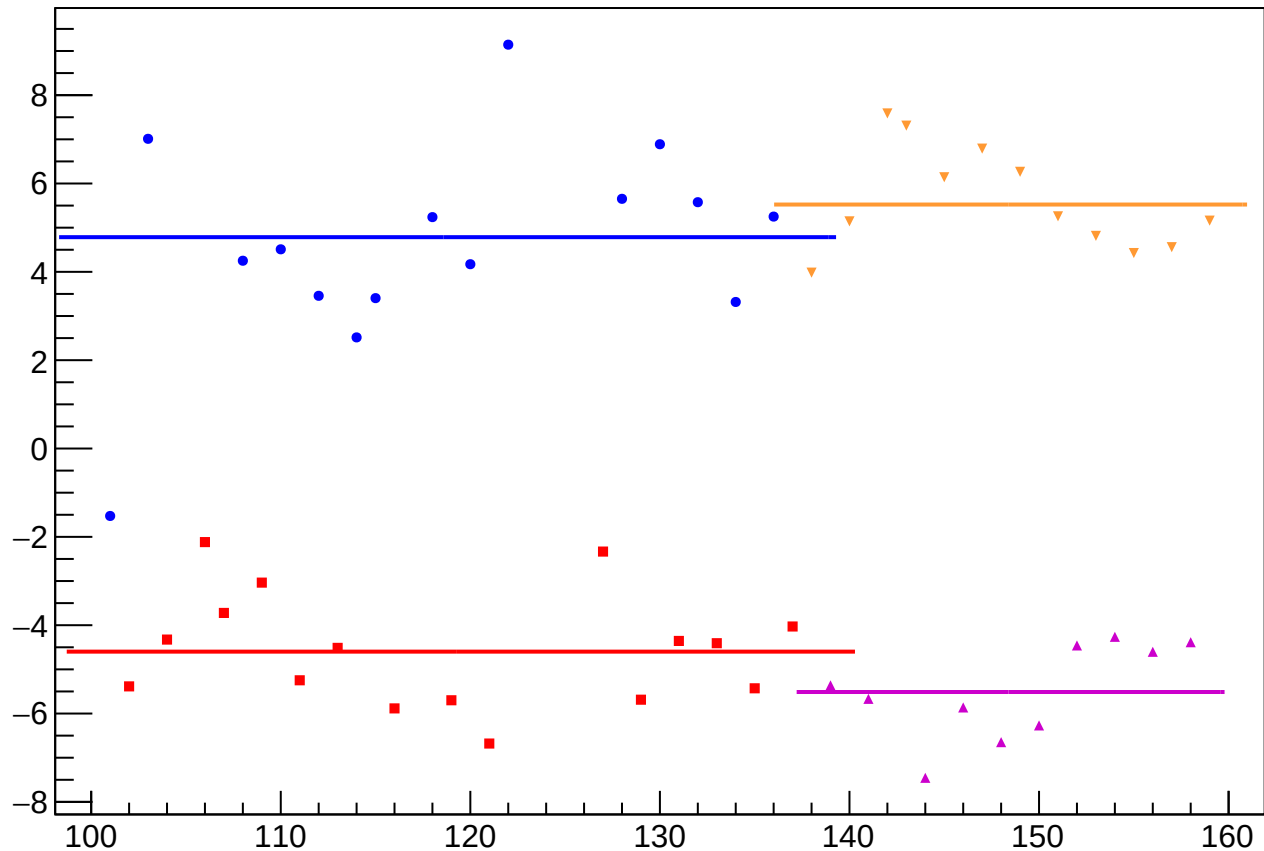
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -267.604+/-0.000 χ^2/NDF : 1938704977440096

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

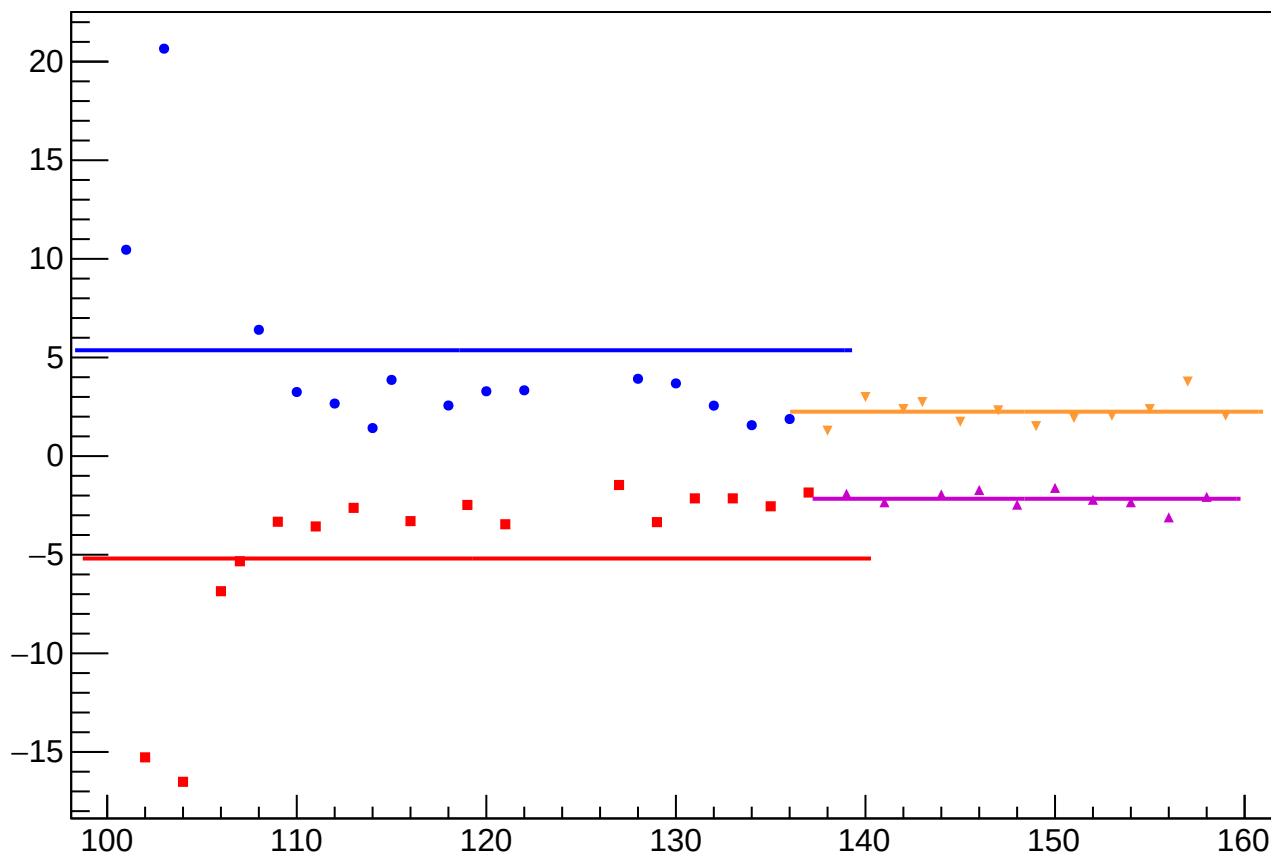
All: 6.896+/-0.000 χ^2/NDF : 40611106000890

dit_11X12X_coil6_mean vs Slug, Sign Corrected



Right In: 4.785 $\pm$ 0.000 χ^2 /NDF: 3996556073154779711808159470321664.0/14
 Left Out: 5.524 $\pm$ 0.000 χ^2 /NDF: 1037921325796141419900309275148288.0/11
 Right Out: -4.598 $\pm$ 0.000 χ^2 /NDF: 989607156792948633247632779640832.0/15
 Left In: -5.512 $\pm$ 0.000 χ^2 /NDF: 914990546327094722130194972278784.0/9
 All: 0.136 $\pm$ 0.000 χ^2 /NDF: 89653419162195

dit_11X12X_coil6_err_mean vs Slug, Sign Corrected



Left: 0.128 +/- 0.000 χ^2/NDF : 913617688605683024.0/14

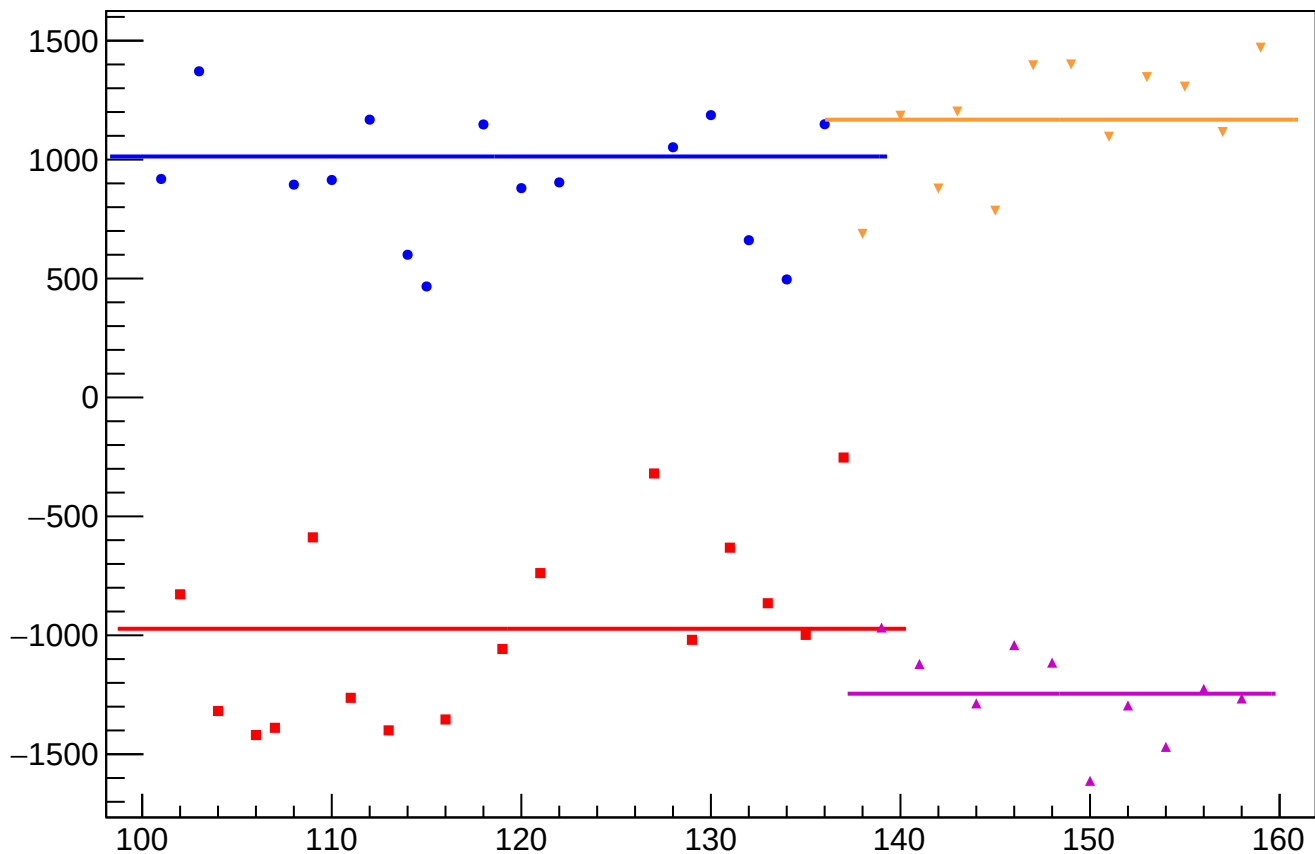
Right: 0.015 +/- 0.000 χ^2/NDF : 71199413844226553.0/11

In: 1.097 +/- 0.000 χ^2/NDF : 3978117665726523497.0/15

Out: -0.883 +/- 0.000 χ^2/NDF : 37545776895922376.0/9

All: 0.080 +/- 0.000 χ^2/NDF : 80345244579921.0/38

dit_11X12X_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: -1245.495+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29584355694802852002513400503568695296.0/9

Left: 6.995+/-0.000 χ^2/NDF : 26536151165894083

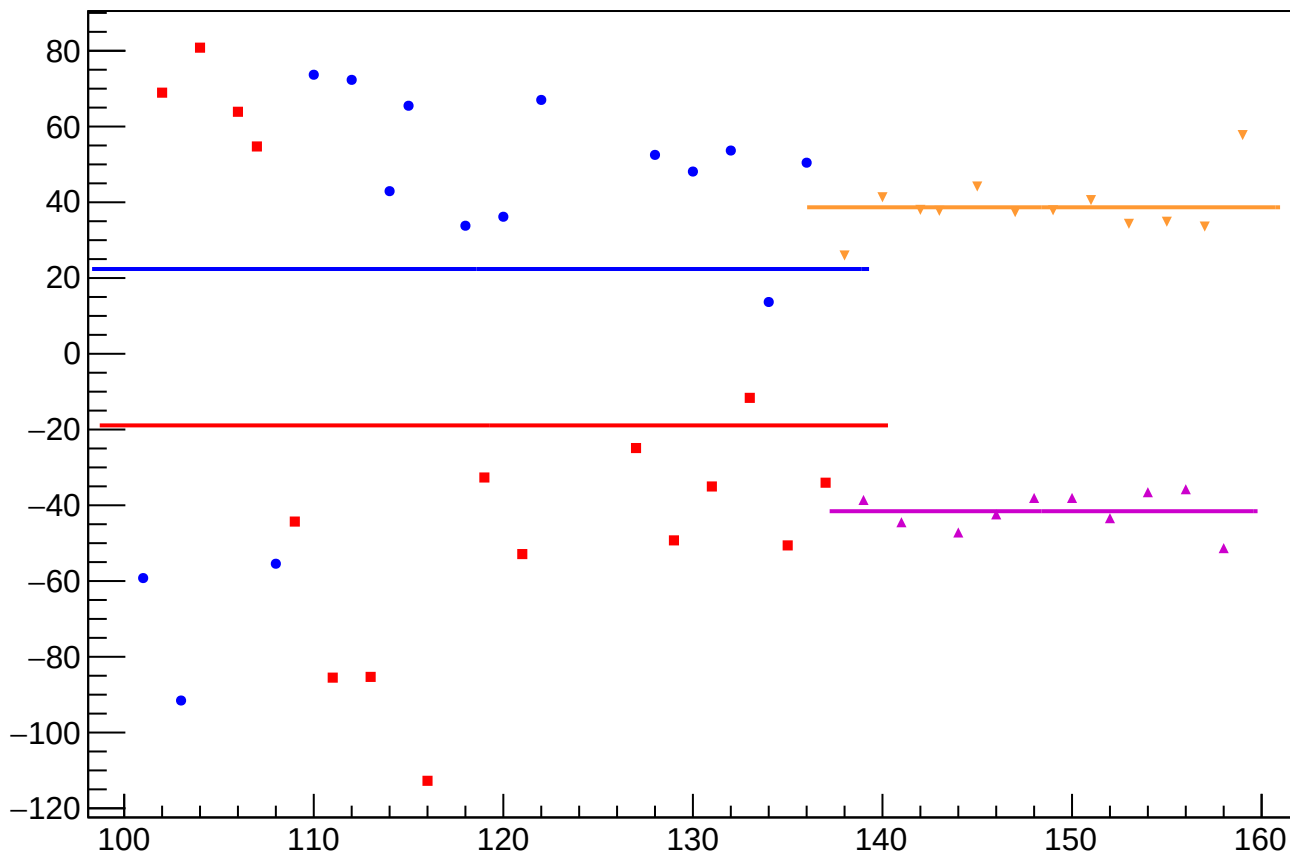
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -267.604+/-0.000 χ^2/NDF : 1938704977440096

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

All: 6.896+/-0.000 χ^2/NDF : 40611106000890

dit_4aY_coil6_mean vs Slug, Sign Corrected



Right In: 22.385 ± 0.000 $\chi^2/\text{NDF}: 1922260860023592637794094183323009024.0/14$

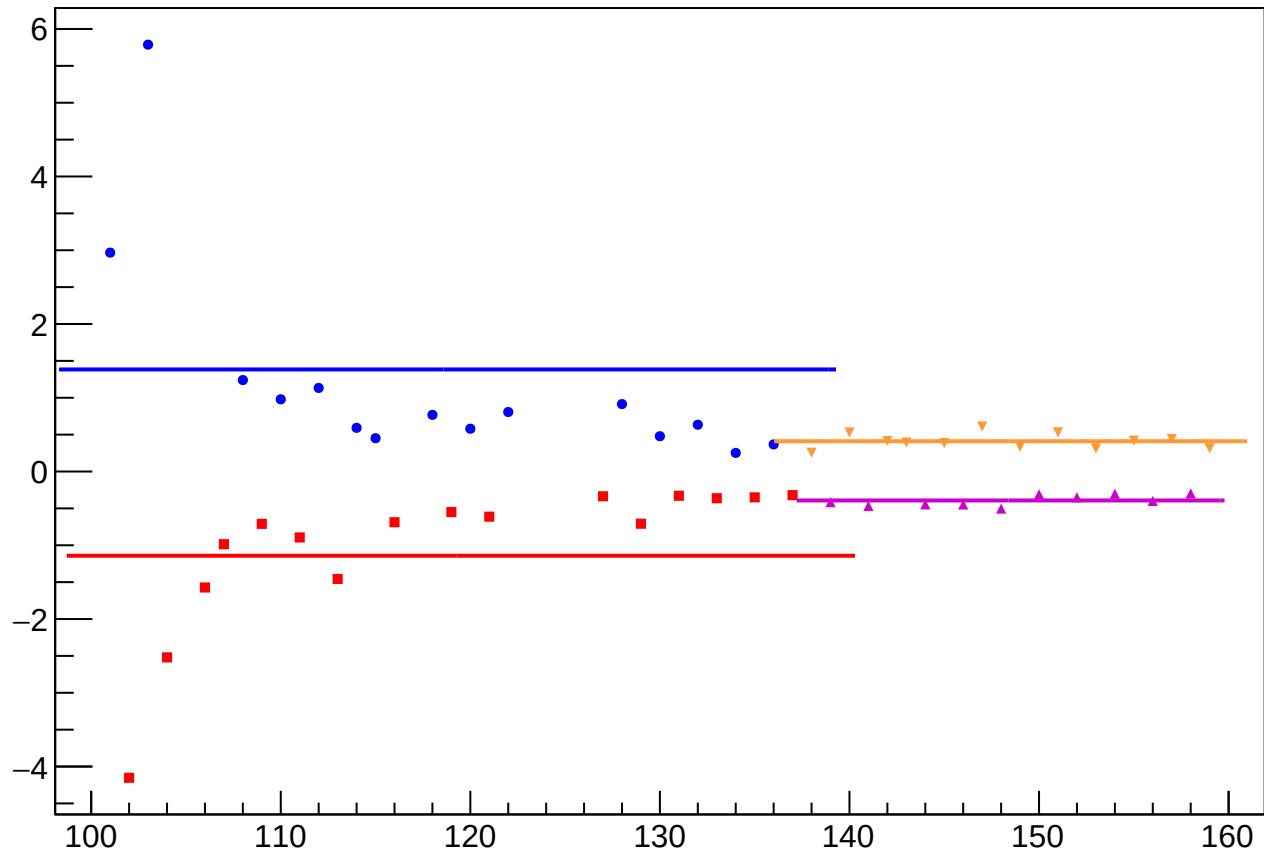
Left Out: 38.679 ± 0.000 $\chi^2/\text{NDF}: 50075878897811273484787289537118208.0/11$

Right Out: -18.907 ± 0.000 $\chi^2/\text{NDF}: 2182221808408156293593993992757837824.0/15$

Left In: -41.564 ± 0.000 $\chi^2/\text{NDF}: 19373970115102309631593274440417280.0/9$

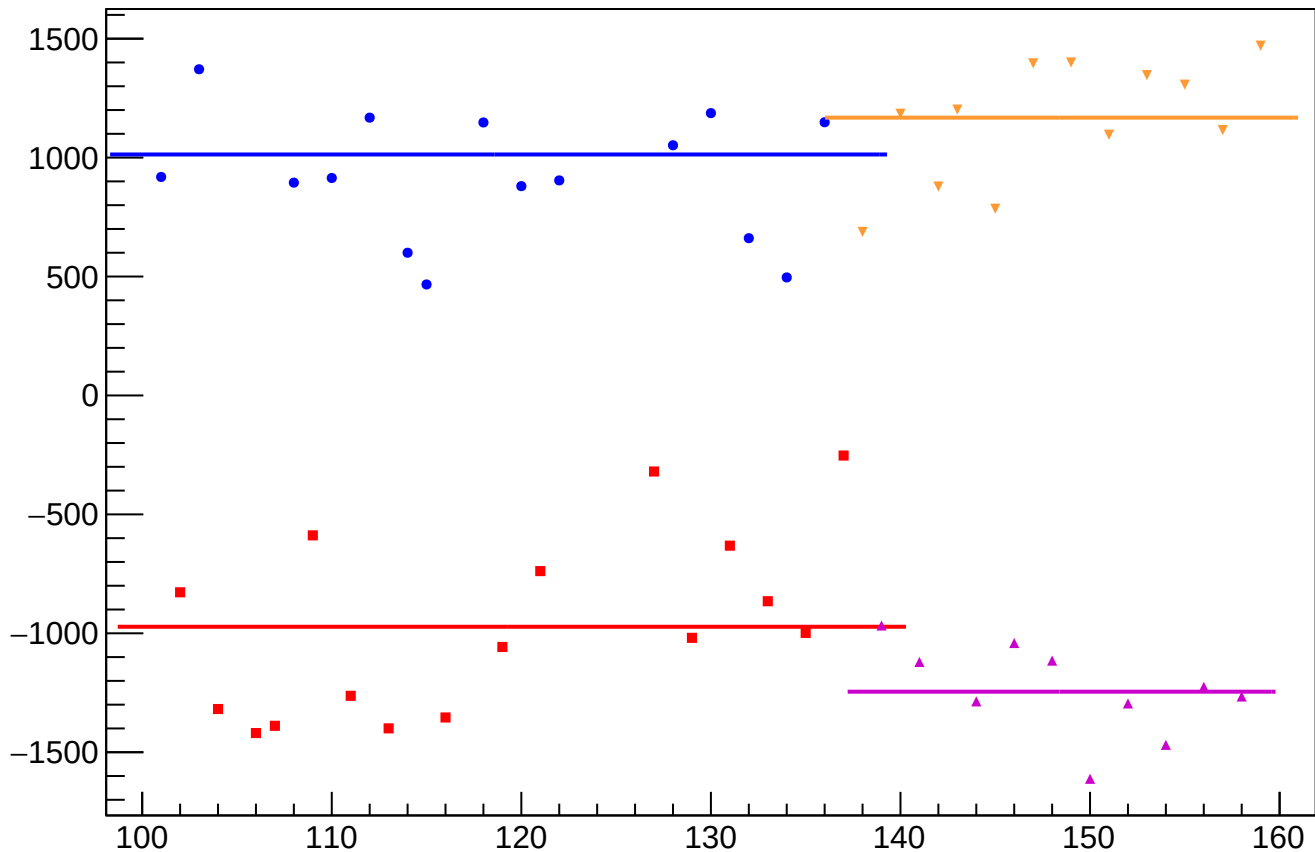
All: 0.667 ± 0.000 $\chi^2/\text{NDF}: 75764892588984$

dit_4aY_coil6_err_mean vs Slug, Sign Corrected



Left: 0.024 +/- 0.000 χ^2/NDF : 298338435615744369
 Right: 0.104 +/- 0.000 χ^2/NDF : 44802957007729023
 In: 0.377 +/- 0.000 χ^2/NDF : 2736796481564558167
 Out: -0.243 +/- 0.000 χ^2/NDF : 17508789052187470
 All: 0.058 +/- 0.000 χ^2/NDF : 47833919823593

dit_4aY_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: -1245.495+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29584355694802852002513400503568695296.0/9

Left: 6.995+/-0.000 χ^2/NDF : 26536151165894083

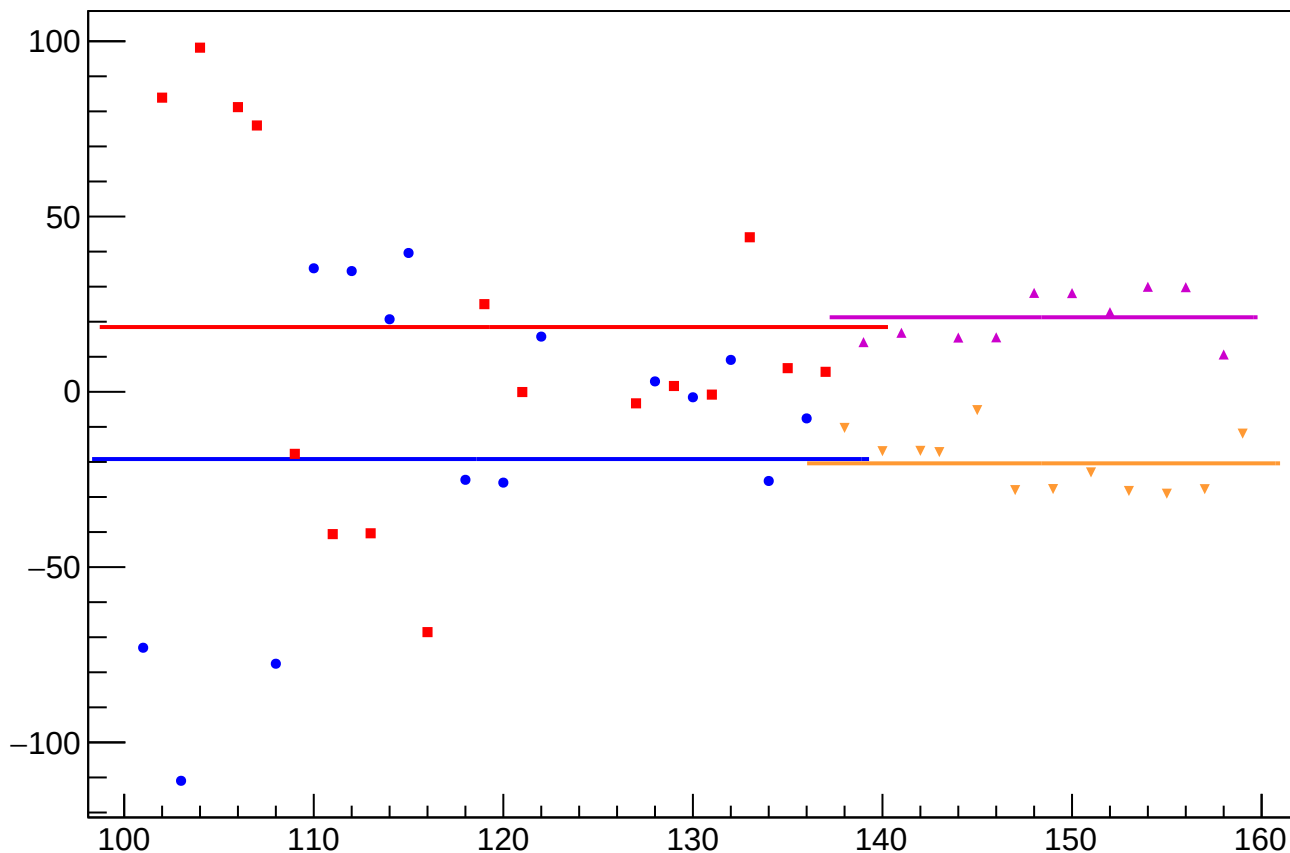
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -267.604+/-0.000 χ^2/NDF : 1938704977440096

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

All: 6.896+/-0.000 χ^2/NDF : 40611106000890

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: 21.269+/-0.000

χ^2/NDF : 1246364705689764961102868160463241216.0/14

χ^2/NDF : 59795874846132016074625786396540928.0/11

χ^2/NDF : 1489398115046175180640331393369374720.0/15

χ^2/NDF : 41754574017333548723505214221451264.0/9

Left: -0.355+/-0.000 χ^2/NDF : 86742703693989353

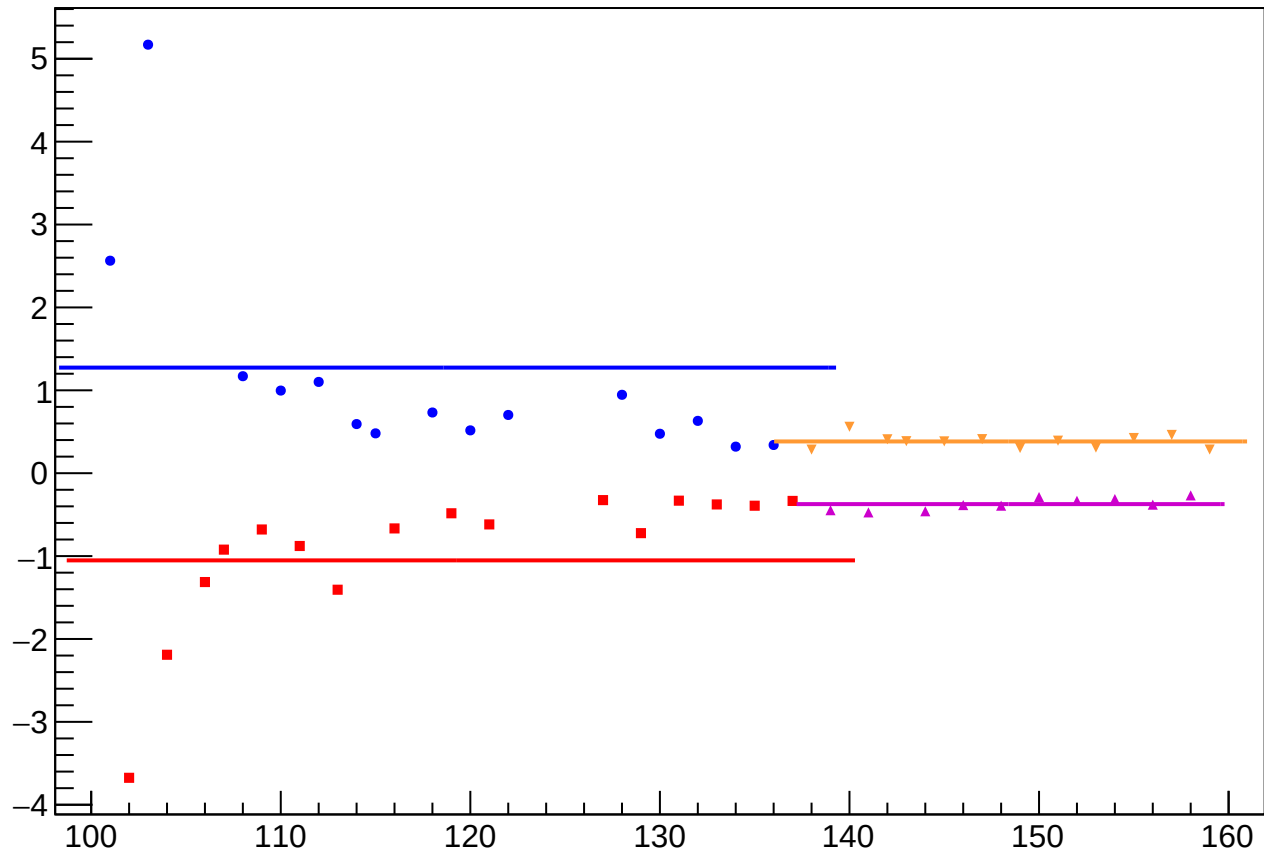
Right: -0.091+/-0.000 χ^2/NDF : 3202145485356183

In: 3.759+/-0.000 χ^2/NDF : 1890100297424753660

Out: -4.028+/-0.000 χ^2/NDF : 21328298353726143

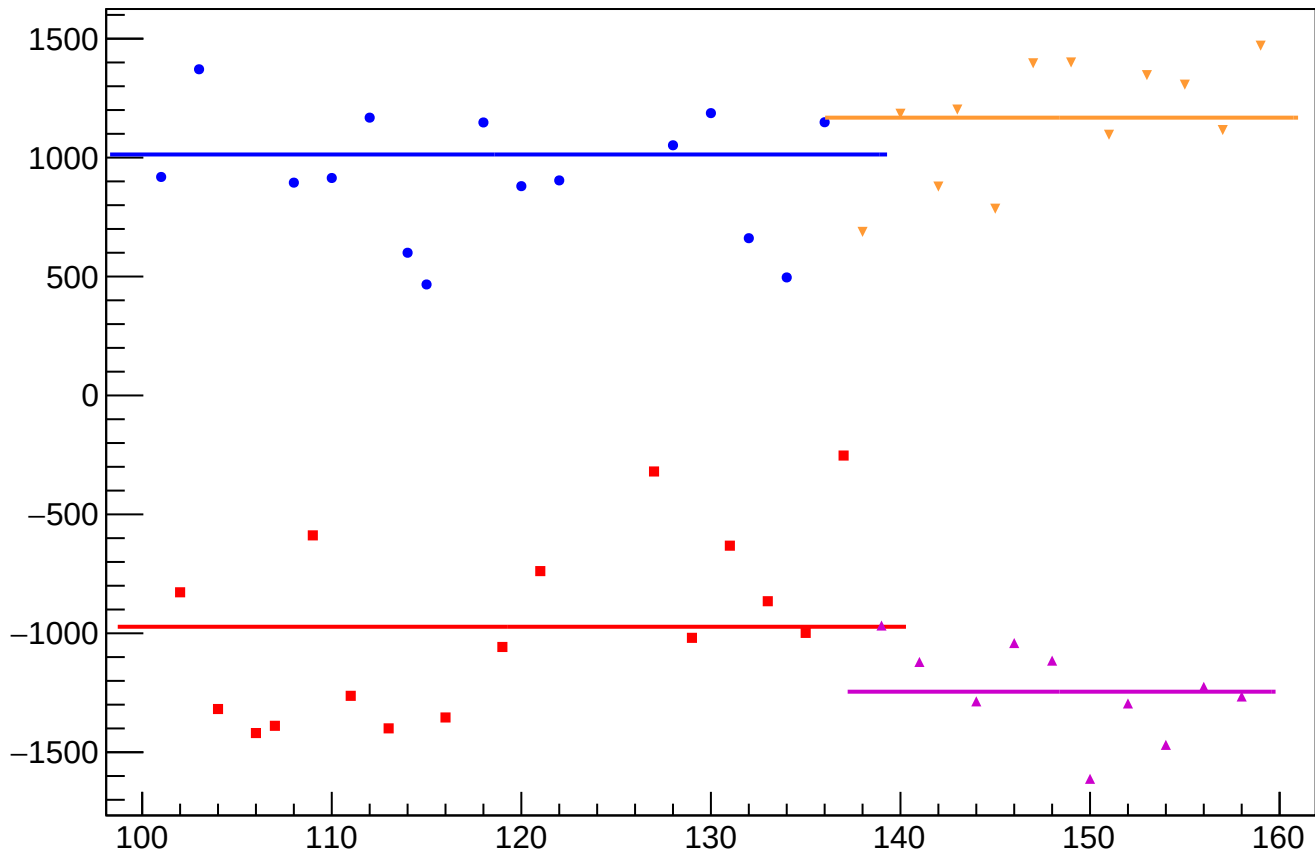
All: -0.242+/-0.000 χ^2/NDF : 4069625115340

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: -0.373 +/- 0.000 χ^2/NDF : 4027830907187391309812498169856.0/9
 All: 0.052 +/- 0.000 χ^2/NDF : 38650179695726

dit_4eY_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: -1245.495+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29584355694802852002513400503568695296.0/9

Left: 6.995+/-0.000 χ^2/NDF : 26536151165894083

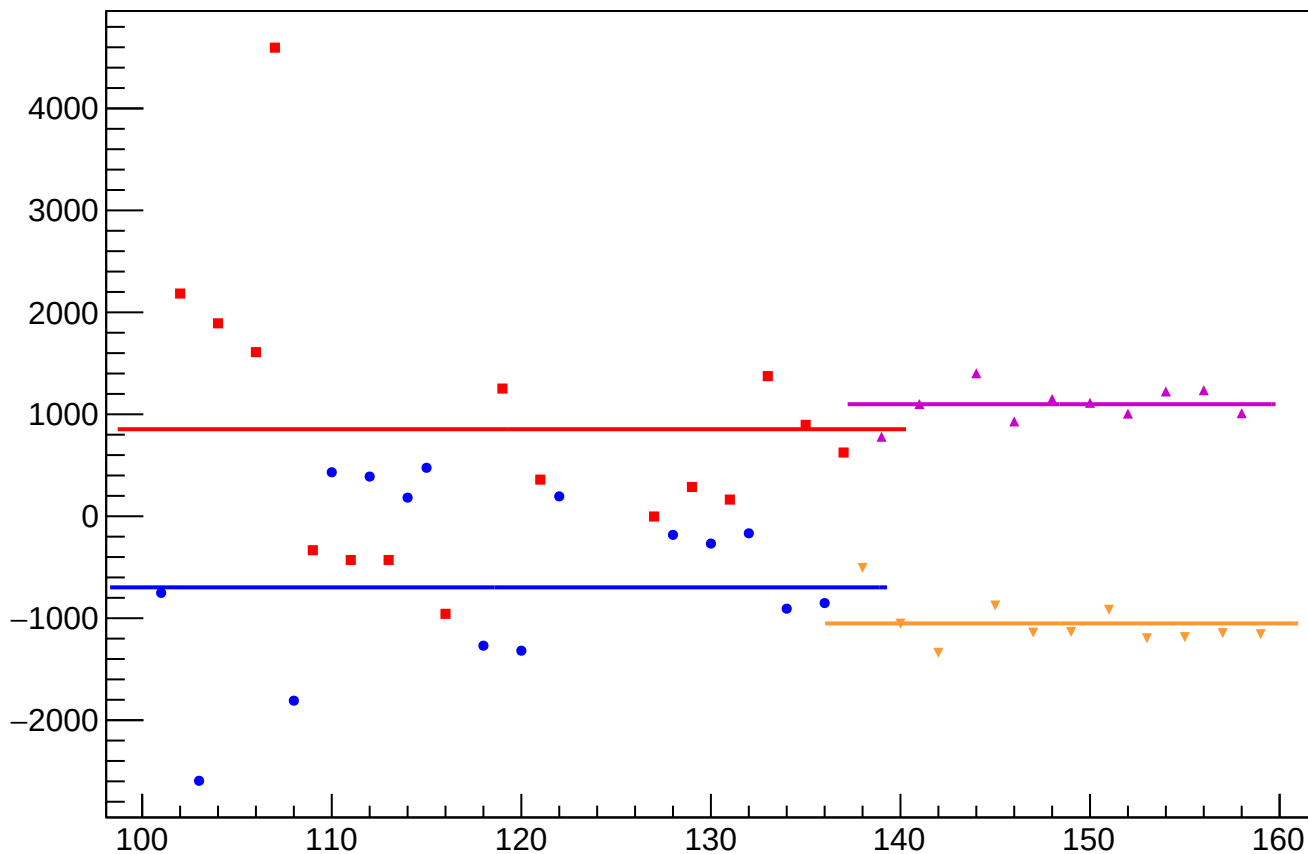
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -267.604+/-0.000 χ^2/NDF : 1938704977440096

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

All: 6.896+/-0.000 χ^2/NDF : 40611106000890

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 : 368290707666461393403765229942747430912.0/10

Right Out: 853.734+/-0.000

χ^2/NDF : 1078379020126412317155932275156201766912.0/15

Left In: 1099.061+/-0.000

χ^2/NDF : 23327960509777355487674059846431277056.0/9

Left: 24.054+/-0.000 χ^2/NDF : 20247436615690470

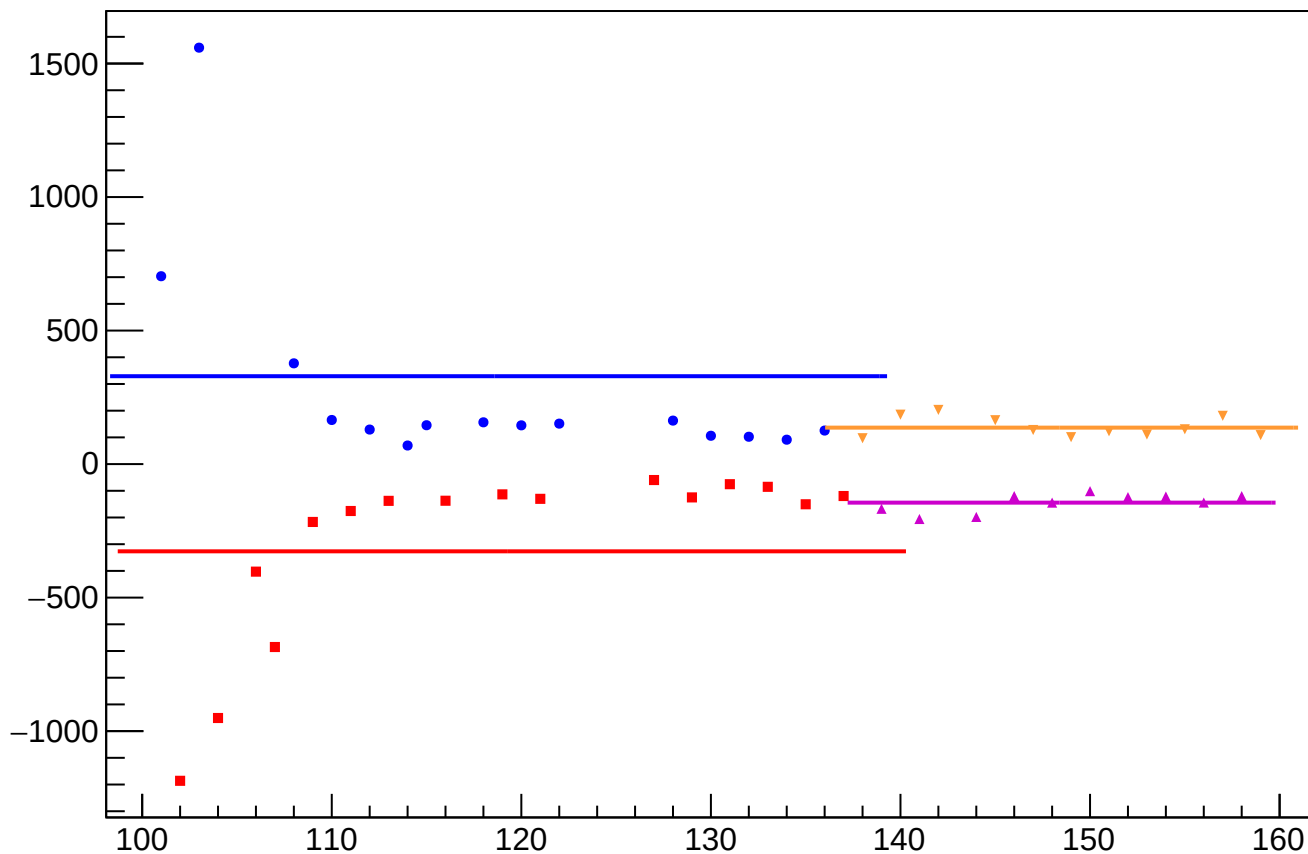
Right: 88.833+/-0.000 χ^2/NDF : 2360125827736184

In: 321.324+/-0.000 χ^2/NDF : 17012827215785877

Out: -213.493+/-0.000 χ^2/NDF : 247104056165344

All: 52.320+/-0.000 χ^2/NDF : 4387982203315

dit_usl_coil6_err_mean vs Slug, Sign Corrected



Right In: 329.108 +/- 0.000

χ^2/NDF : 116863820700538623524207945698672377856.0/14

Left Out: 136.529 +/- 0.000

χ^2/NDF : 986372818283314141100082094359445504.0/10

Right Out: -326.695 +/- 0.000

χ^2/NDF : 87569123354318020688611028415151079424.0/15

Left In: -144.376 +/- 0.000

χ^2/NDF : 968206824192830867911327417959972864.0/9

Left: -3.923 +/- 0.000 χ^2/NDF : 35490226448297982

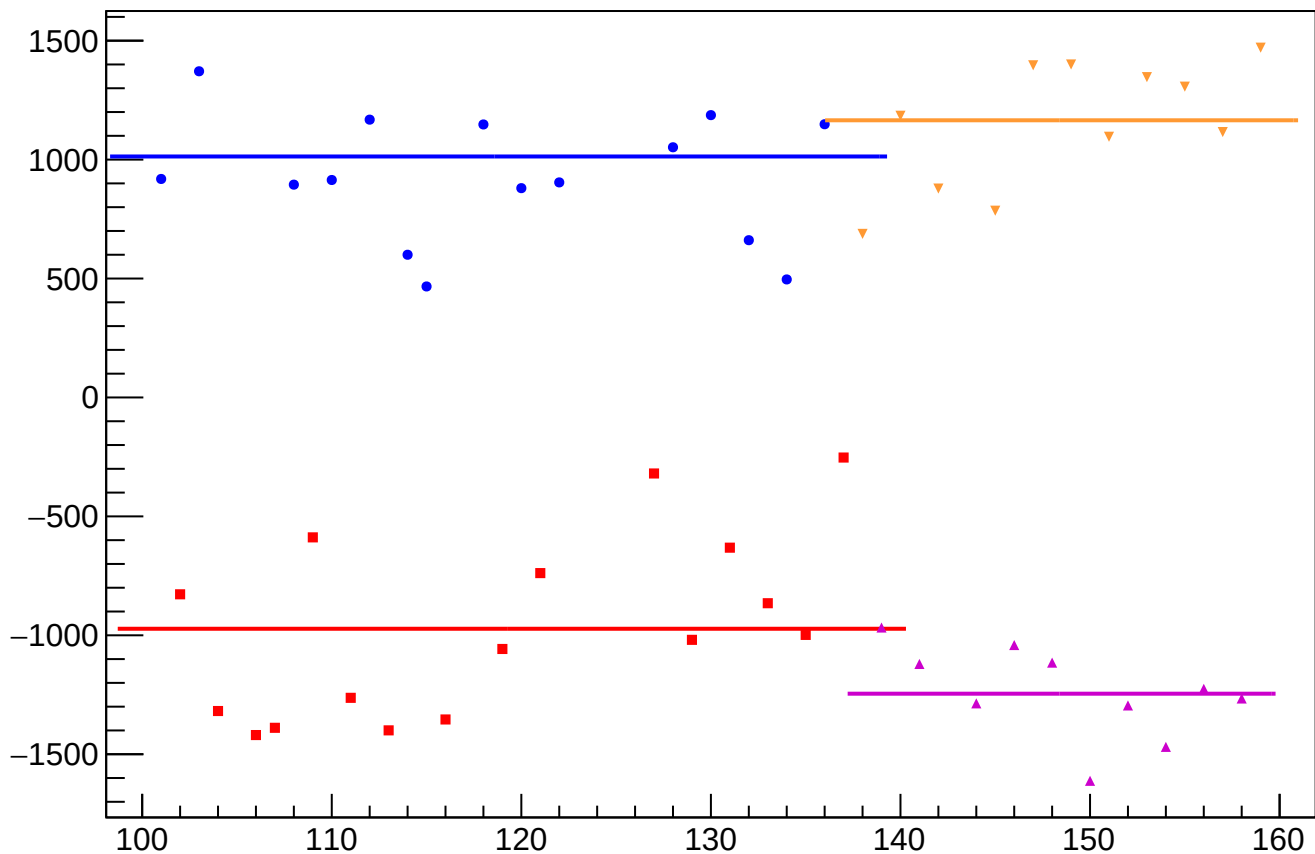
Right: -3.278 +/- 0.000 χ^2/NDF : 3459018192319126

In: 60.622 +/- 0.000 χ^2/NDF : 20033547012562910

Out: -67.143 +/- 0.000 χ^2/NDF : 1687492144222724

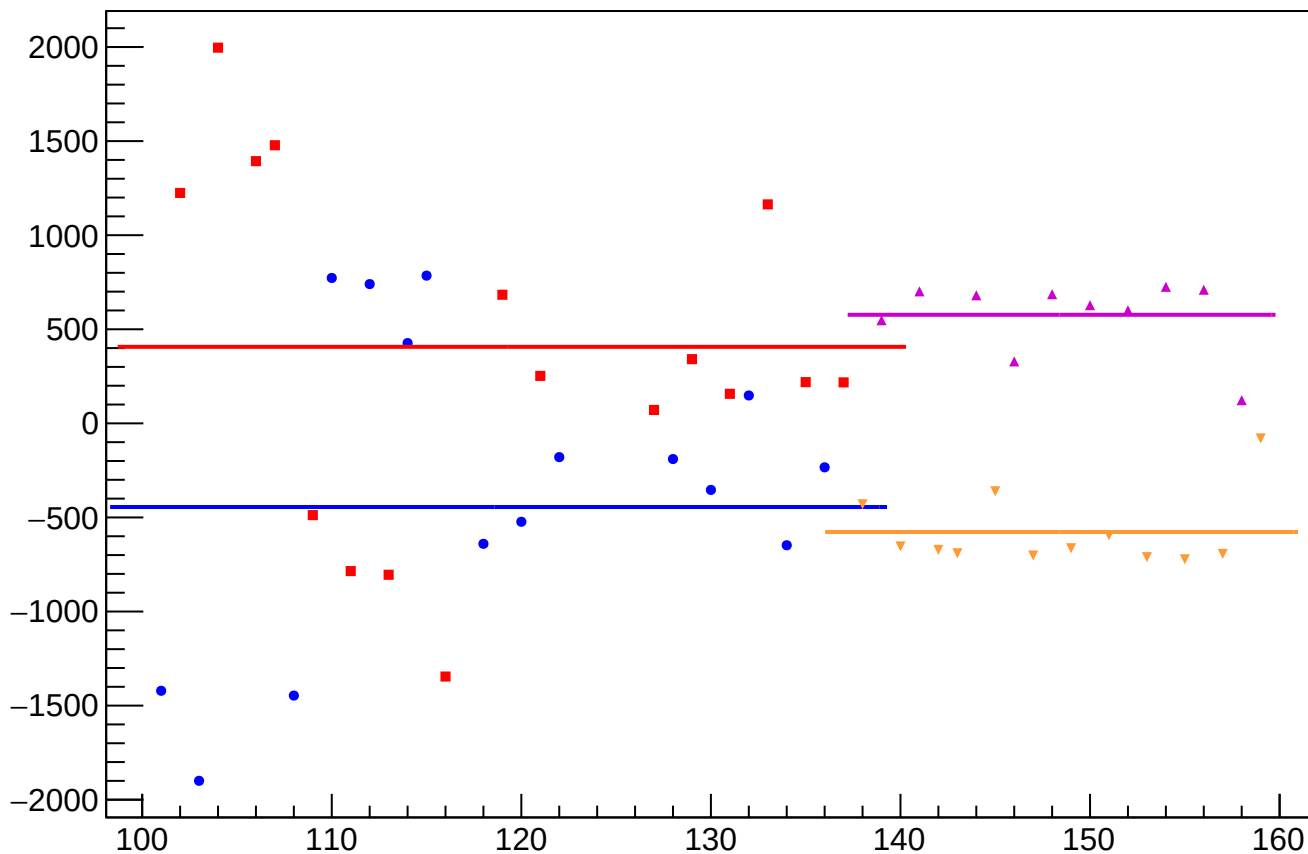
All: -3.642 +/- 0.000 χ^2/NDF : 3813923544034

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: -1245.495+/-0.000 χ^2/NDF : 29584355694802852002513400503568695296.0/9
 All: -19.653+/-0.000 χ^2/NDF : 396329280593

dit_usr_coil6_mean vs Slug, Sign Corrected



Right In: -444.512+/-0.000

χ^2/NDF : 396481903501593703066535851229953654784.0/14

Left Out: -577.377+/-0.000

χ^2/NDF : 33181983455831153585838816290043592704.0/11

Right Out: 406.729+/-0.000

χ^2/NDF : 529122421866774810012941782239129108480.0/15

Left In: 576.992+/-0.000

χ^2/NDF : 28799683829201952680564926025098592256.0/9

Left: -22.078+/-0.000 χ^2/NDF : 6497977566106696

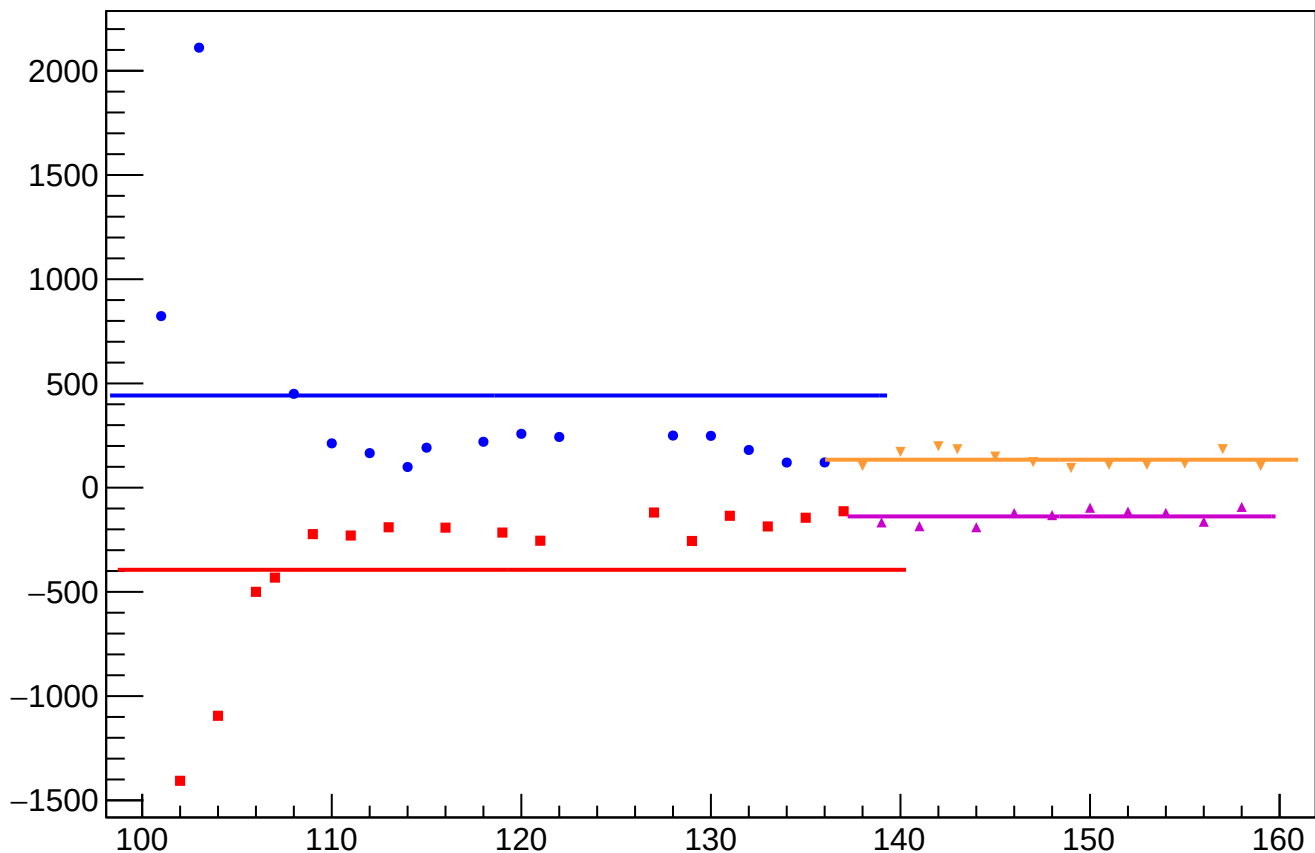
Right: -13.070+/-0.000 χ^2/NDF : 116395703795034

In: 134.727+/-0.000 χ^2/NDF : 8092915622963615

Out: -162.984+/-0.000 χ^2/NDF : 936263608973965

All: -18.233+/-0.000 χ^2/NDF : 181381599717

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

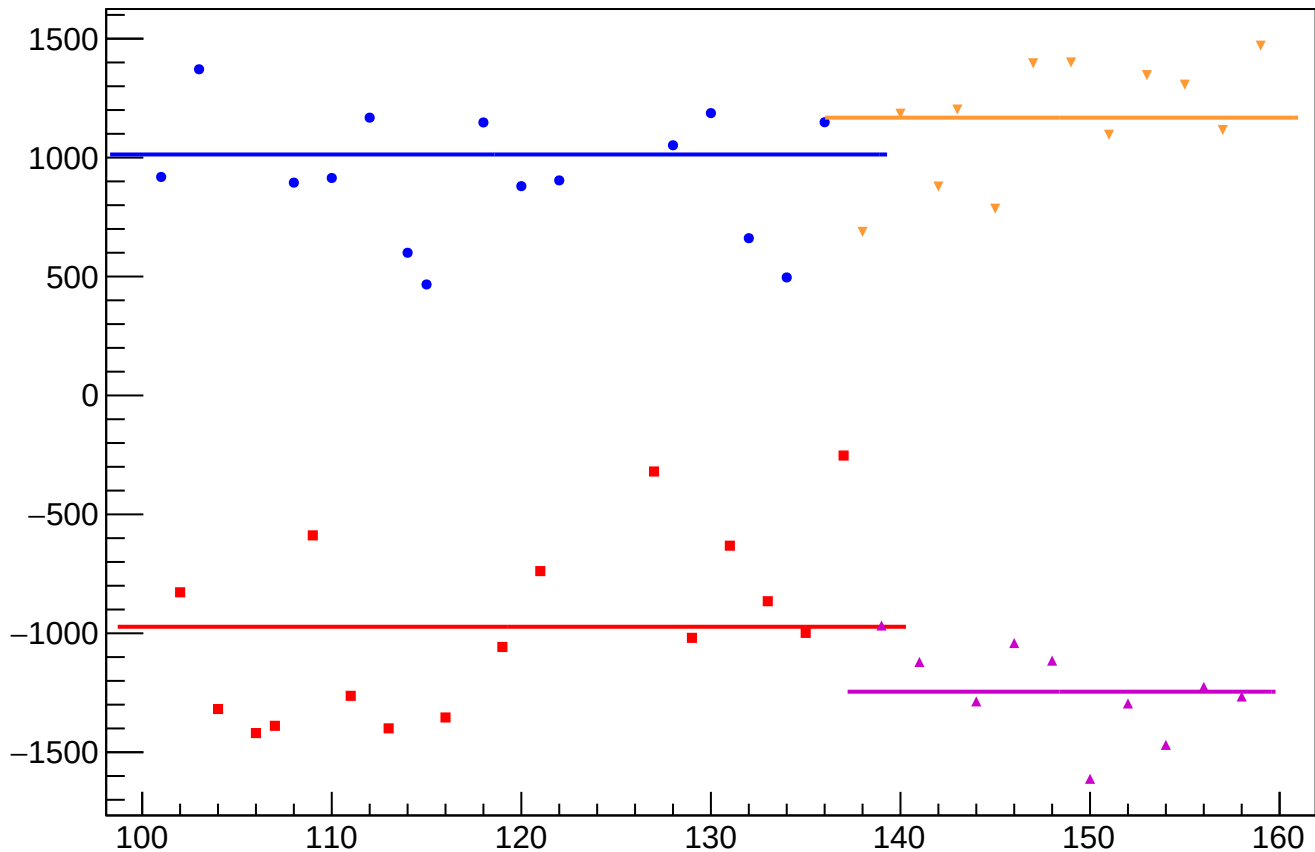
χ^2/NDF : 105882611624182009489804426207740035072.0/15

Left In: -137.975+/-0.000

χ^2/NDF : 971339578873557843721010126384005120.0/9

All: 9.683+/-0.000 χ^2/NDF : 57481050180214

dit_usr_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: -1245.495+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29584355694802852002513400503568695296.0/9

Left: 6.995+/-0.000 χ^2/NDF : 265361511658940835

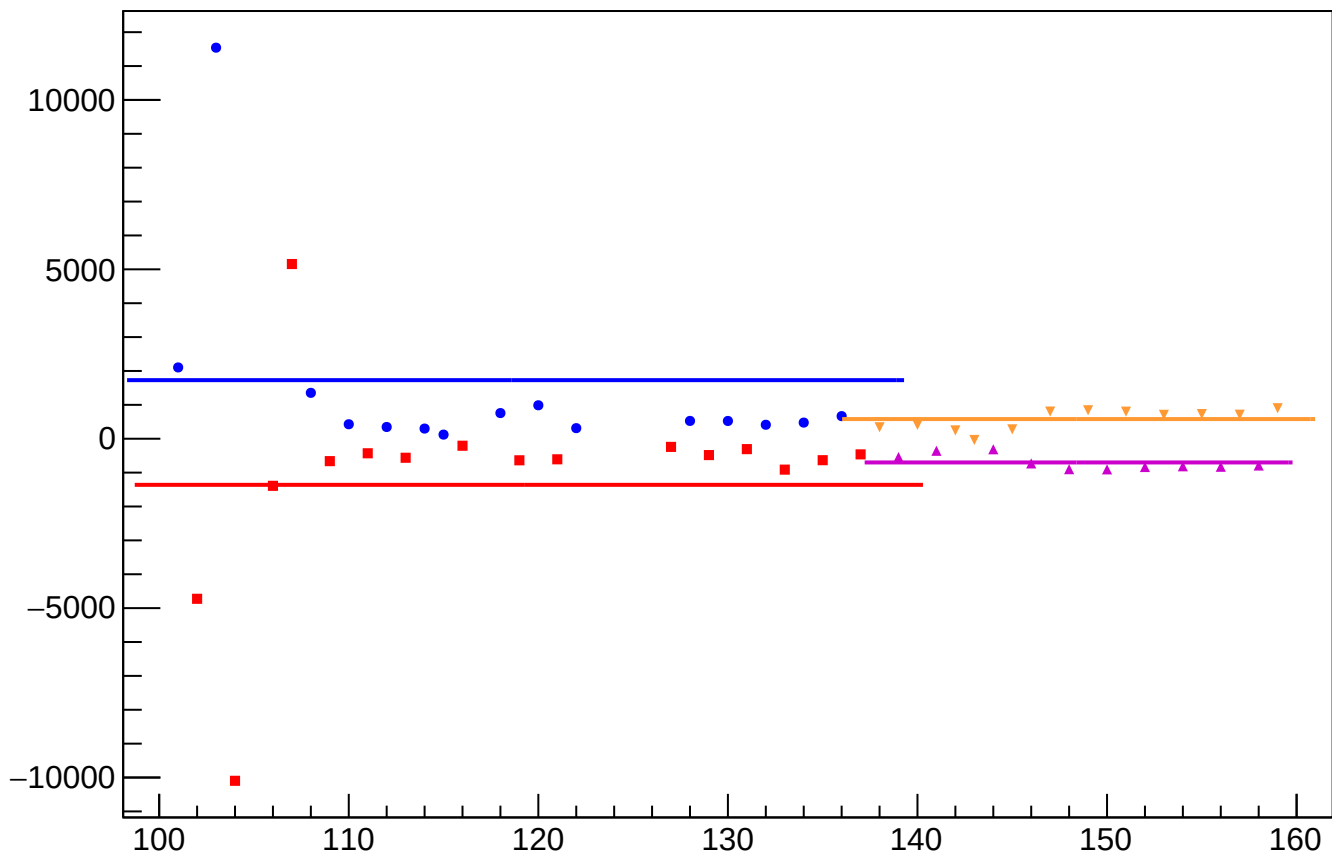
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -267.604+/-0.000 χ^2/NDF : 1938704977440096

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

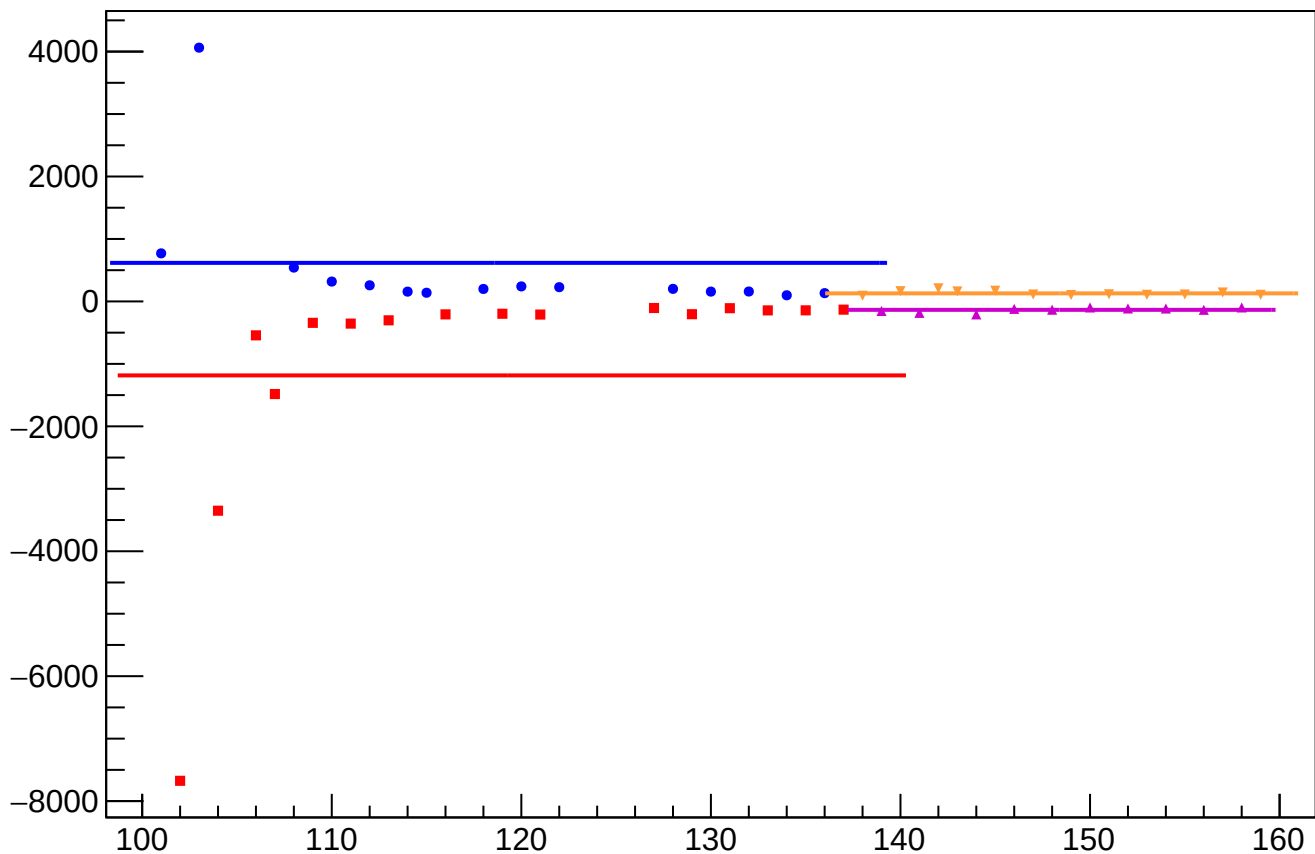
All: 6.896+/-0.000 χ^2/NDF : 40611106000890

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: -700.188 +/- 0.000 χ^2/NDF : 37487036386215585940270200020130594816.0/9
 All: 49.085 +/- 0.000 χ^2/NDF : 1684662911156

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

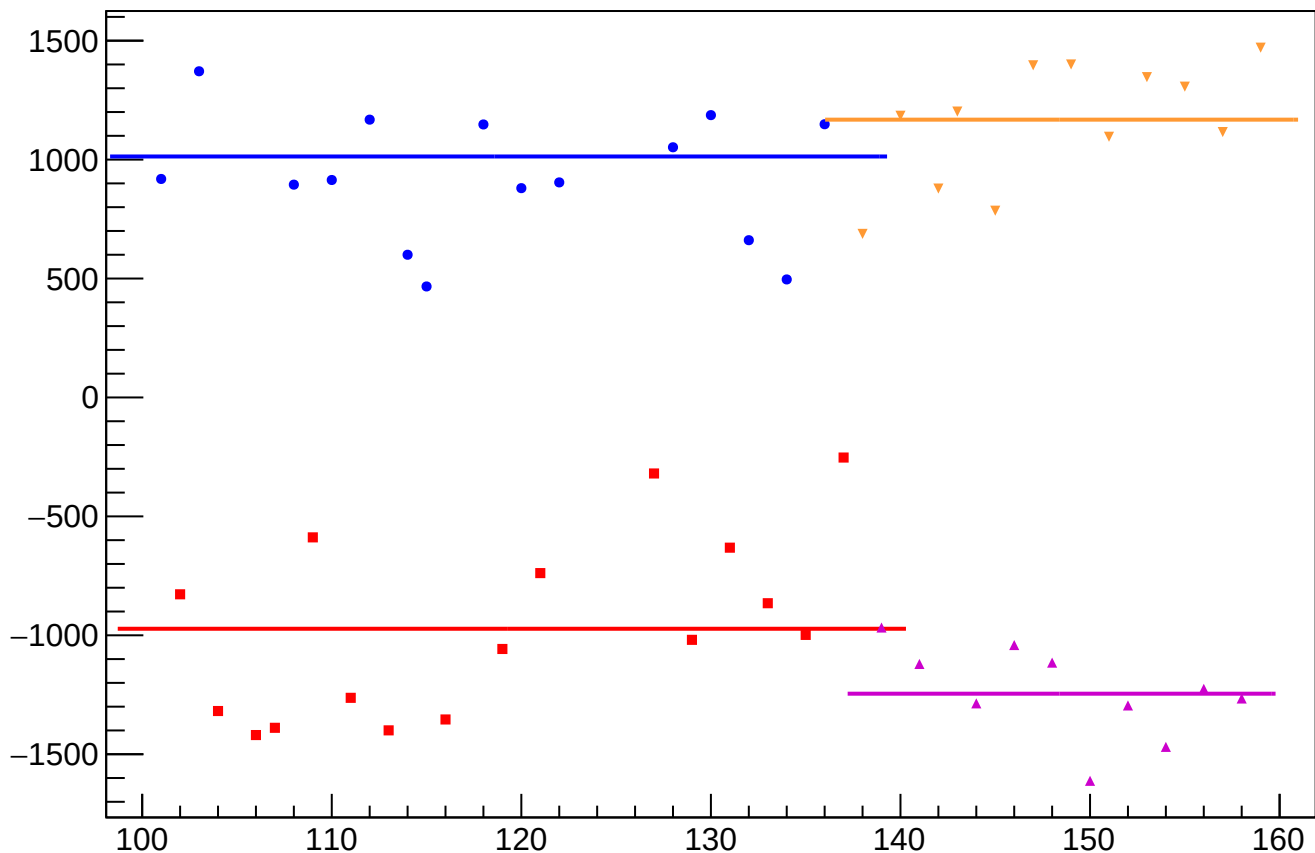
χ^2/NDF : 3167423043121242666563535820496559931392.0/15

Left In: -134.826+/-0.000

χ^2/NDF : 1051215580205075861730259049354625024.0/9

All: -125.097+/-0.000 χ^2/NDF : 51271195752

dit_atl1_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: -1245.495+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29584355694802852002513400503568695296.0/9

Left: 6.995+/-0.000 χ^2/NDF : 265361511658940839

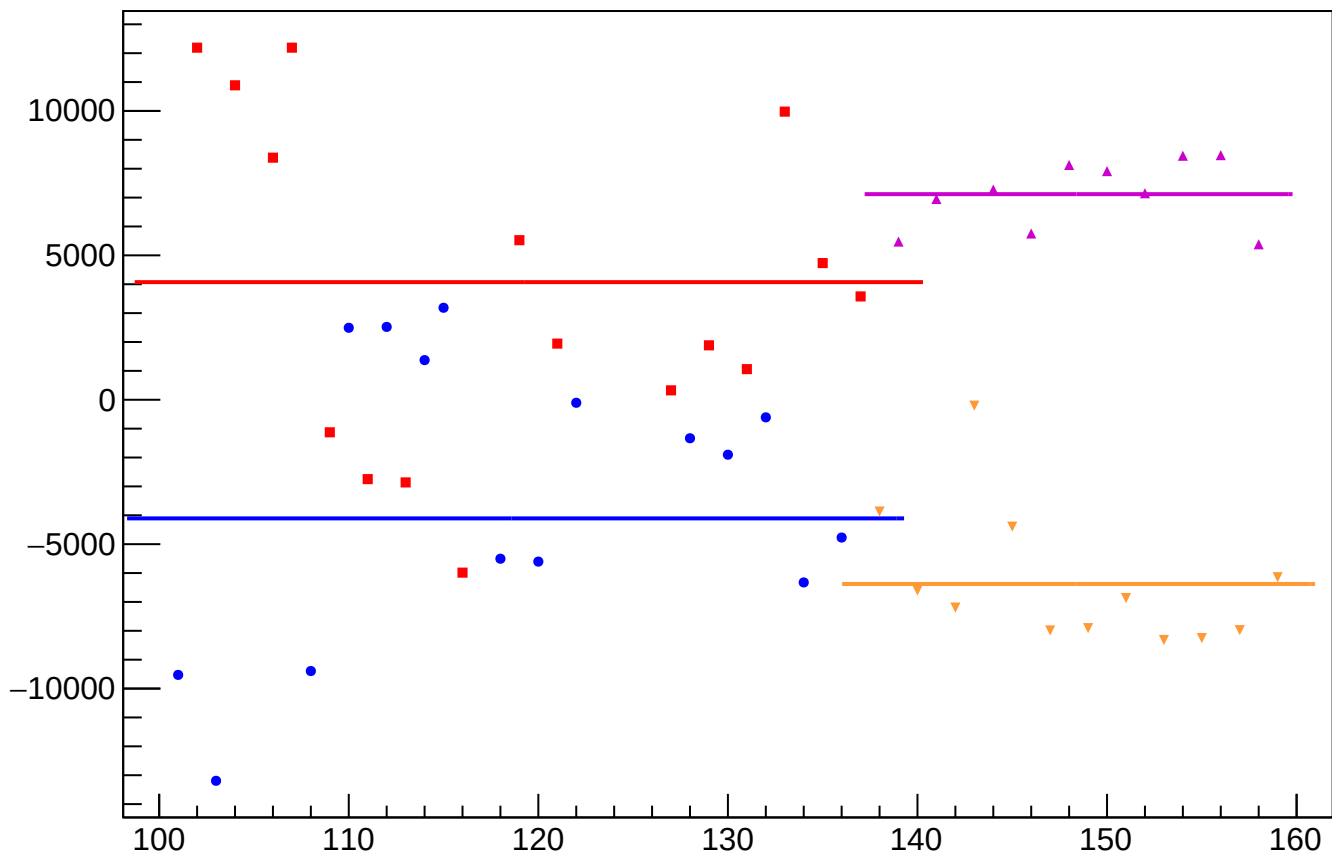
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -267.604+/-0.000 χ^2/NDF : 1938704977440096

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

All: 6.896+/-0.000 χ^2/NDF : 40611106000890

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: 7119.012+/-0.000

χ^2/NDF : 14527436324982031454277780831211819630592.0/14

χ^2/NDF : 4622591154954588275207693526333594271744.0/11

χ^2/NDF : 20367171423690168095778854678764929941504.0/15

χ^2/NDF : 1068019741157216612604866931613069475840.0/9

Left: 114.635+/-0.000 χ^2/NDF : 8604788091159272

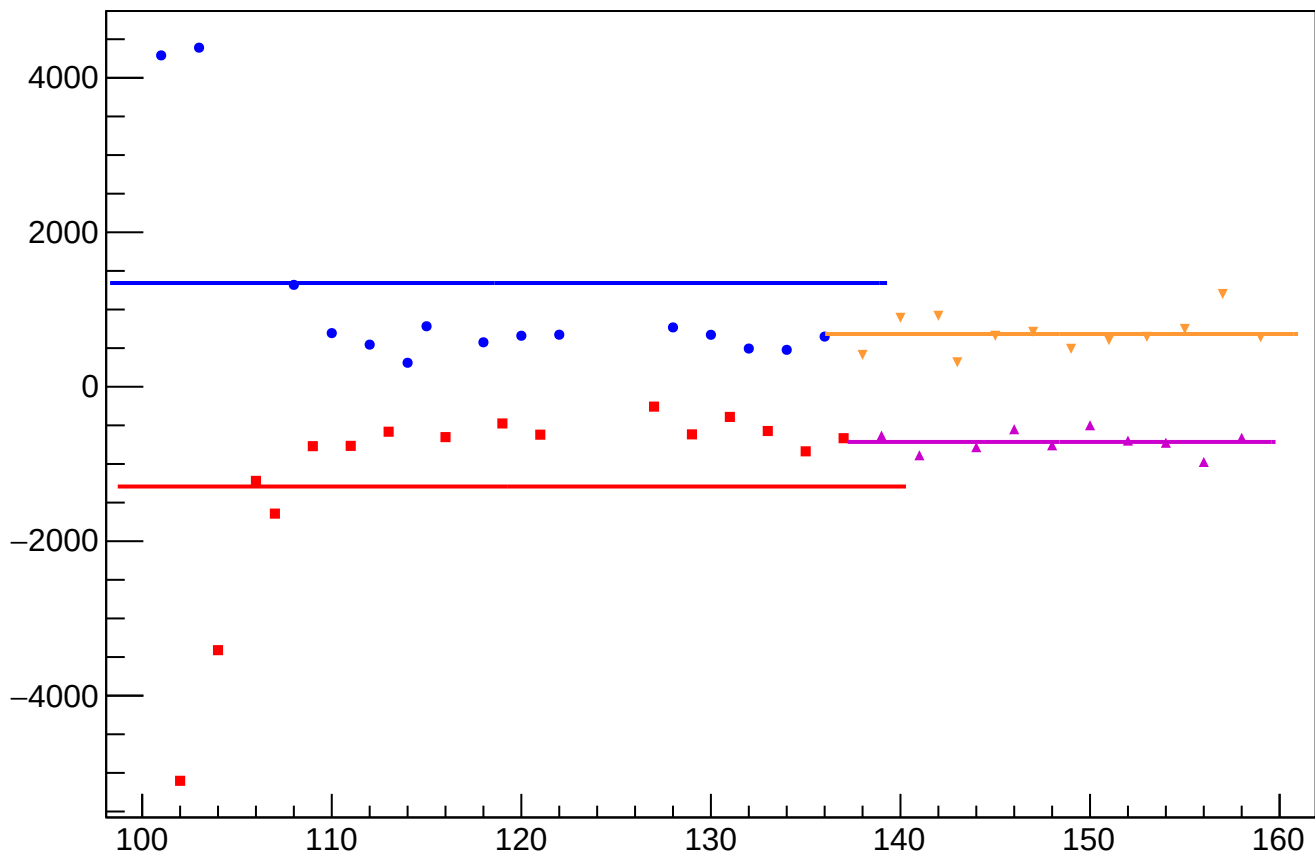
Right: 38.278+/-0.000 χ^2/NDF : 5690231407009786

In: 2258.459+/-0.000 χ^2/NDF : 6197721791261337

Out: -1977.586+/-0.000 χ^2/NDF : 67157489974478

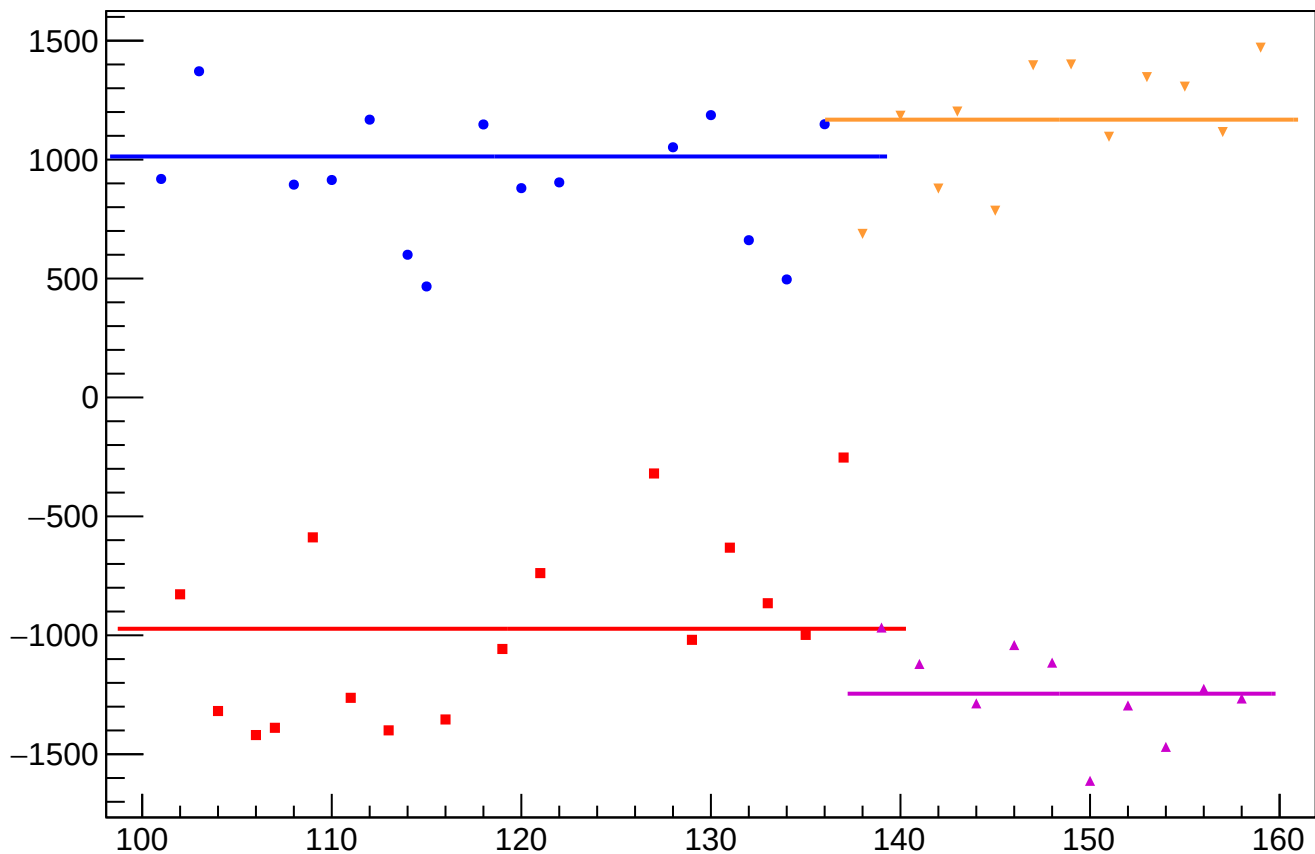
All: 82.041+/-0.000 χ^2/NDF : 1429545926042

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: -714.679+/-0.000 χ^2/NDF : 15780899418151931612125201696917815296.0/9
 All: 9.433+/-0.000 χ^2/NDF : 58491125862815

dit_atl2_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: -1245.495+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29584355694802852002513400503568695296.0/9

Left: 6.995+/-0.000 χ^2/NDF : 265361511658940839

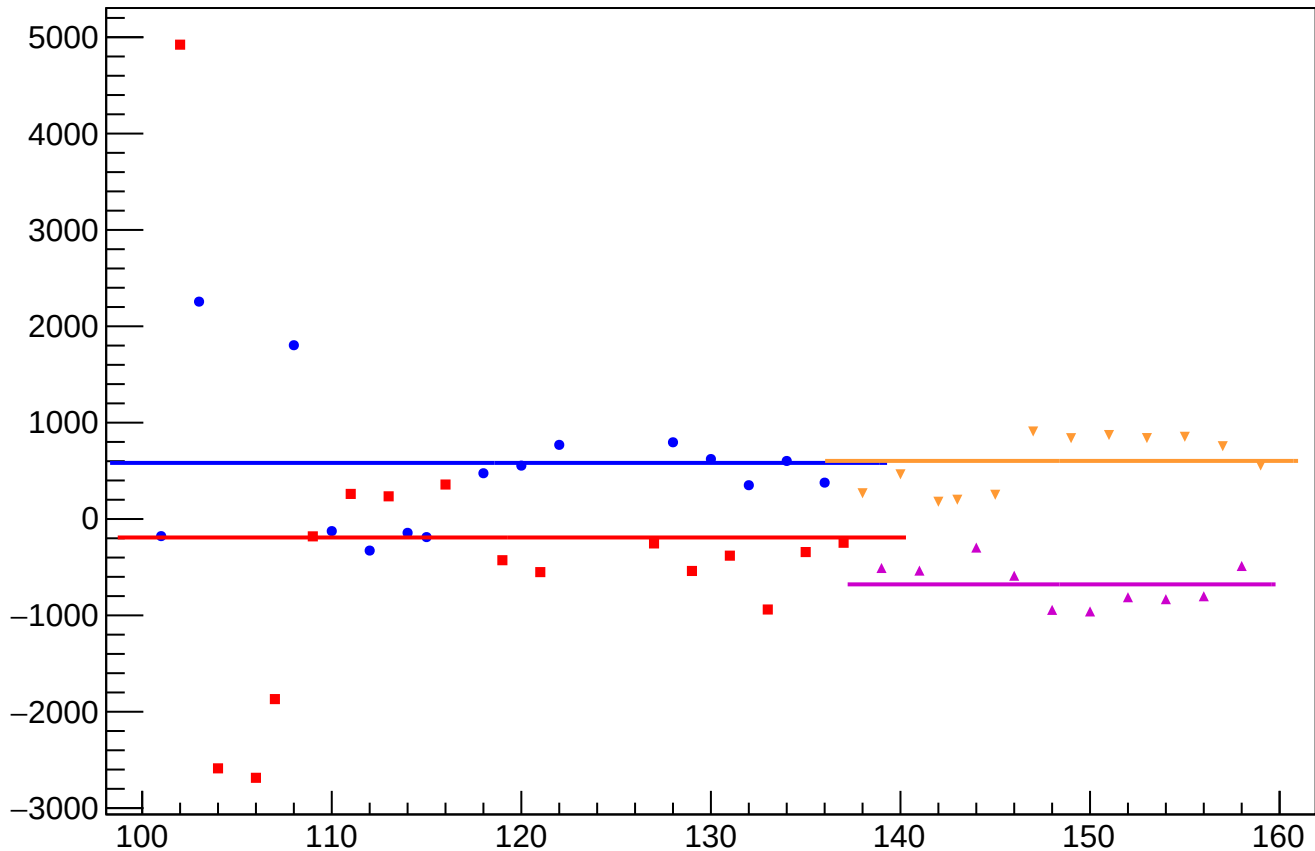
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 267.604+/-0.000 χ^2/NDF : 1938704977440096

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

All: 6.896+/-0.000 χ^2/NDF : 40611106000890

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

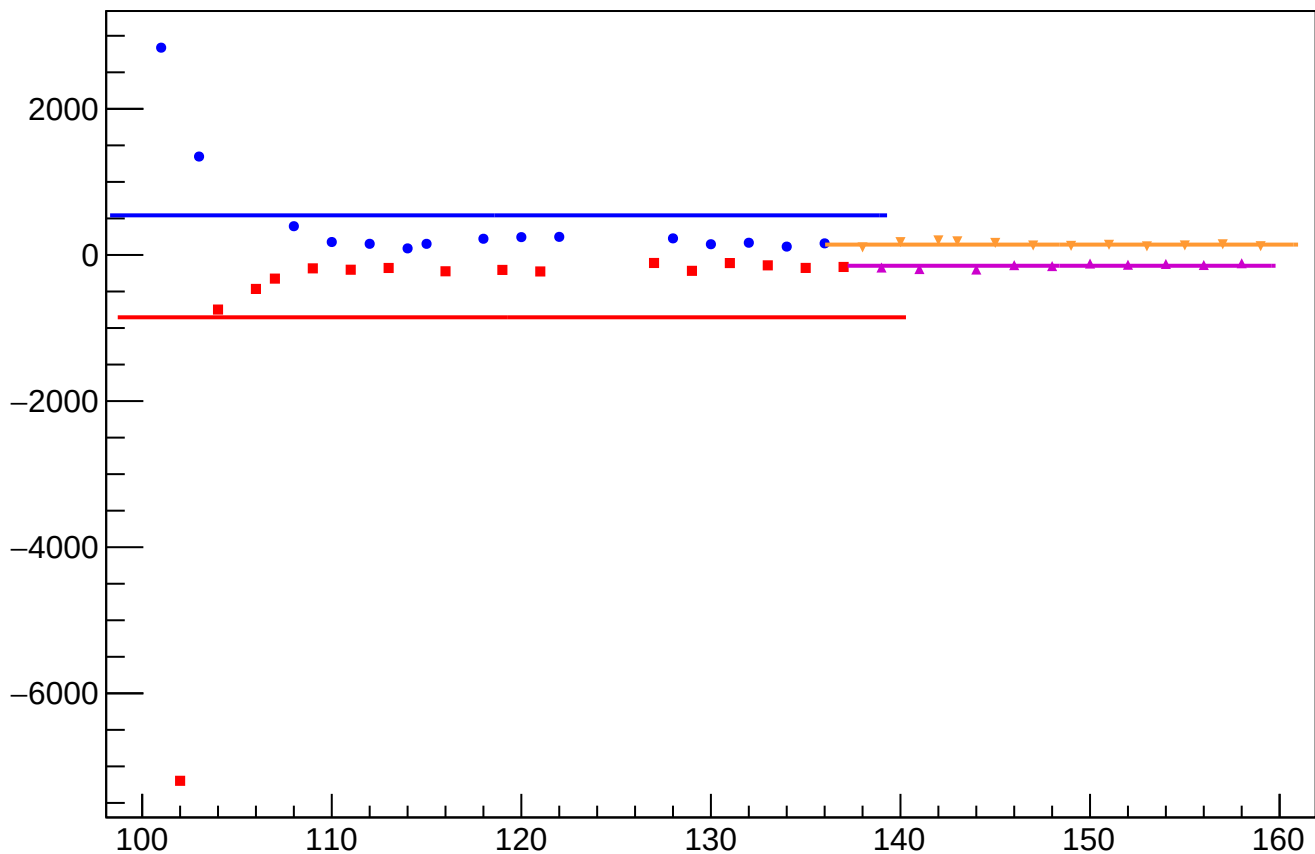
χ^2/NDF : 2168762120552346223416743005020716269568.0/15

Left In: -678.231+/-0.000

χ^2/NDF : 38606937075117998699769705629990518784.0/9

All: 73.540+/-0.000 χ^2/NDF : 3567443633516

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

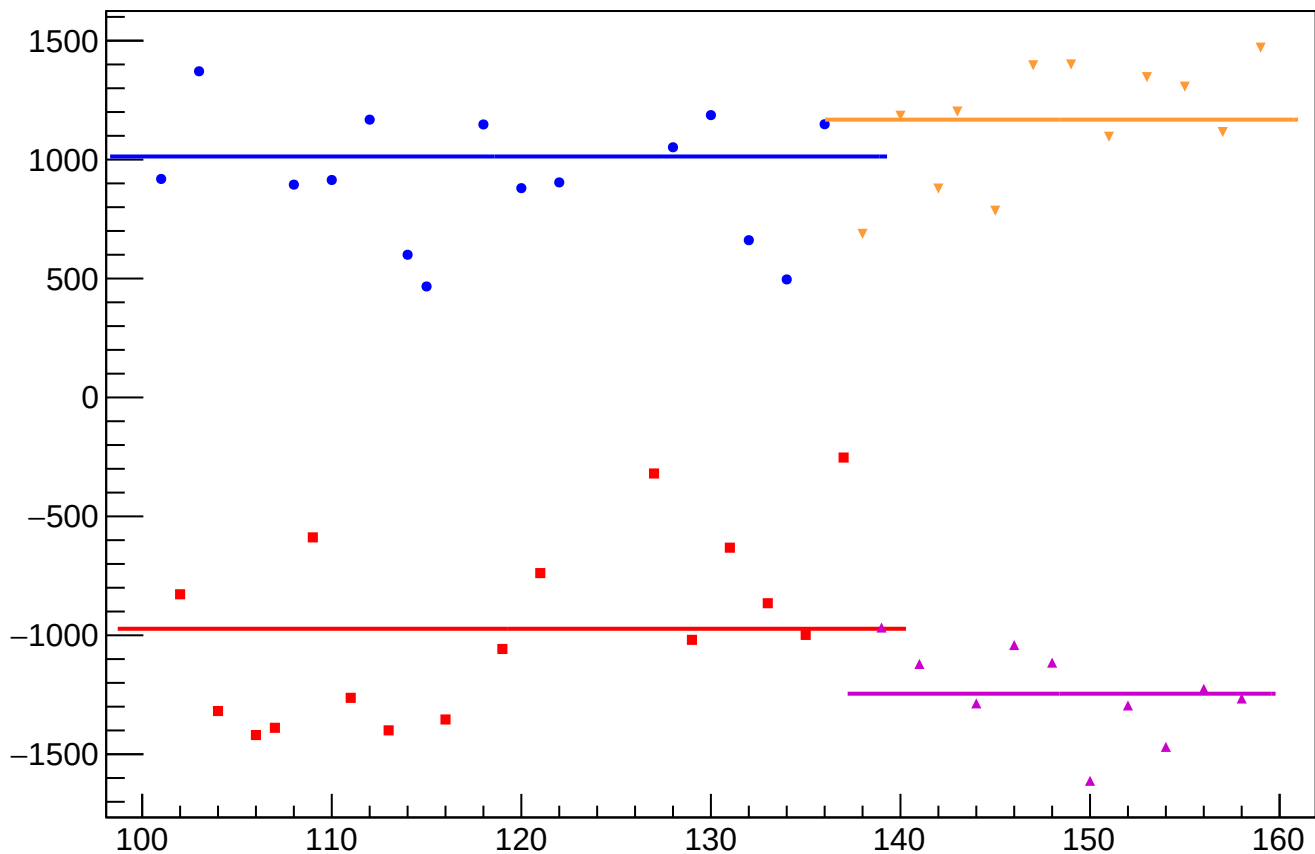
χ^2/NDF : 2574076381441046787772449137133917044736.0/15

Left In: -147.789 +/- 0.000

χ^2/NDF : 726525233863703104203770718284939264.0/9

All: -68.973 +/- 0.000 χ^2/NDF : 368864176636

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: -1245.495+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29584355694802852002513400503568695296.0/9

Left: 6.995+/-0.000 χ^2/NDF : 265361511658940839

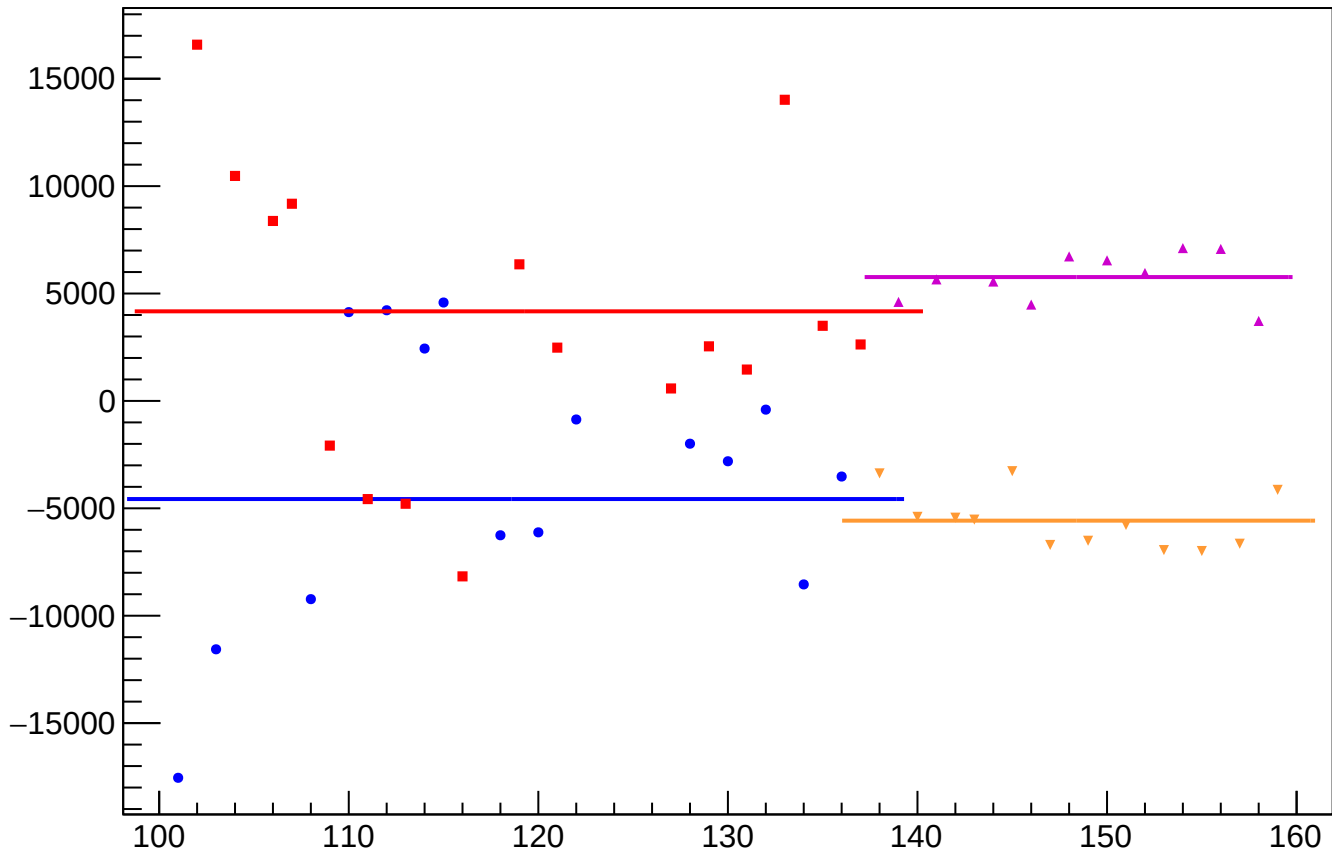
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -267.604+/-0.000 χ^2/NDF : 1938704977440096

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

All: 6.896+/-0.000 χ^2/NDF : 40611106000890

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: 5766.318+/-0.000

χ^2/NDF : 24195052148165719540713110921977756909568.0/14

χ^2/NDF : 1562689011038892047530316656159376801792.0/11

χ^2/NDF : 30967248832187912041113909559481103024128.0/15

χ^2/NDF : 1022802972818909167192127127927734140928.0/9

Left: -118.871+/-0.000 χ^2/NDF : 593147245794106

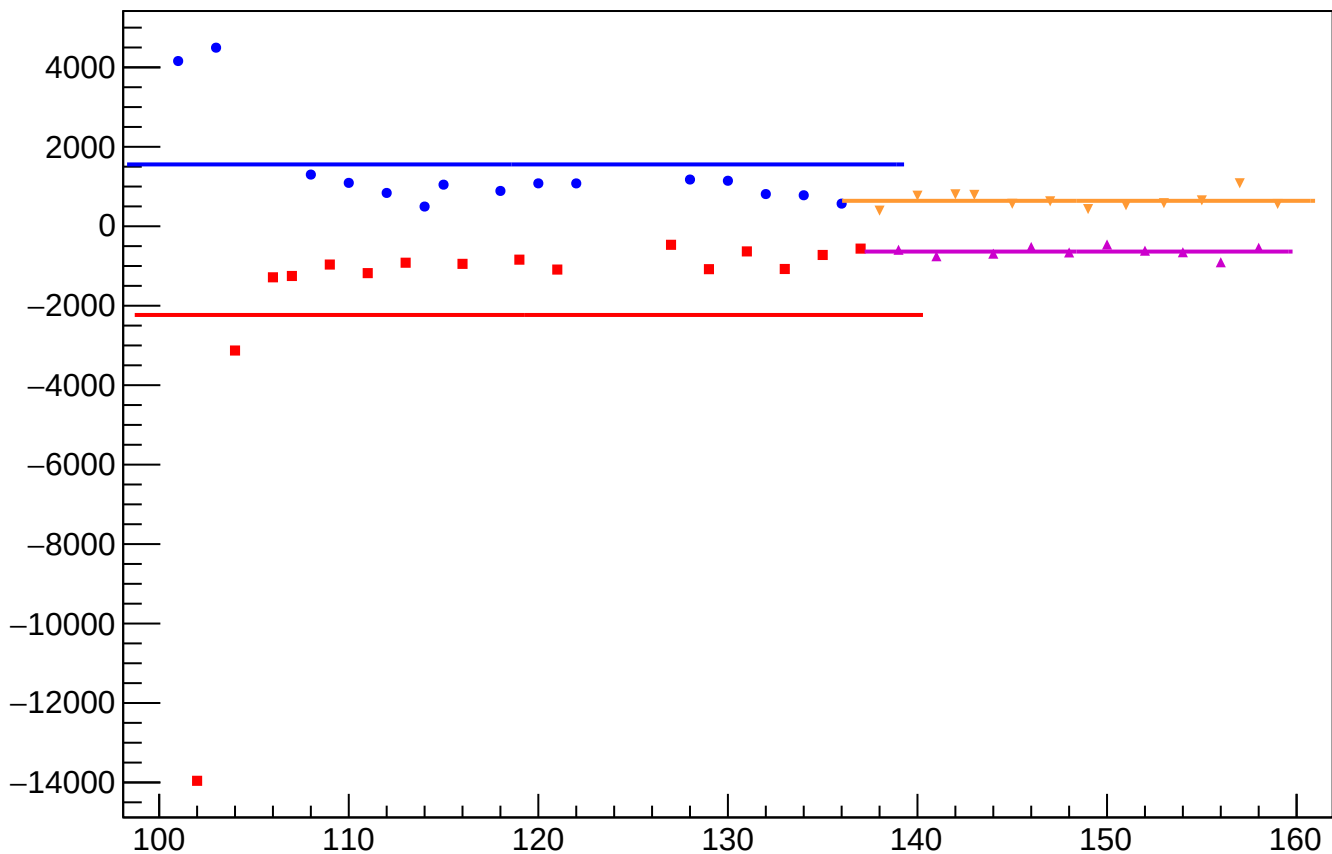
Right: -138.996+/-0.000 χ^2/NDF : 80283768430562

In: 1291.892+/-0.000 χ^2/NDF : 645231065086767

Out: -1470.650+/-0.000 χ^2/NDF : 69198079726884

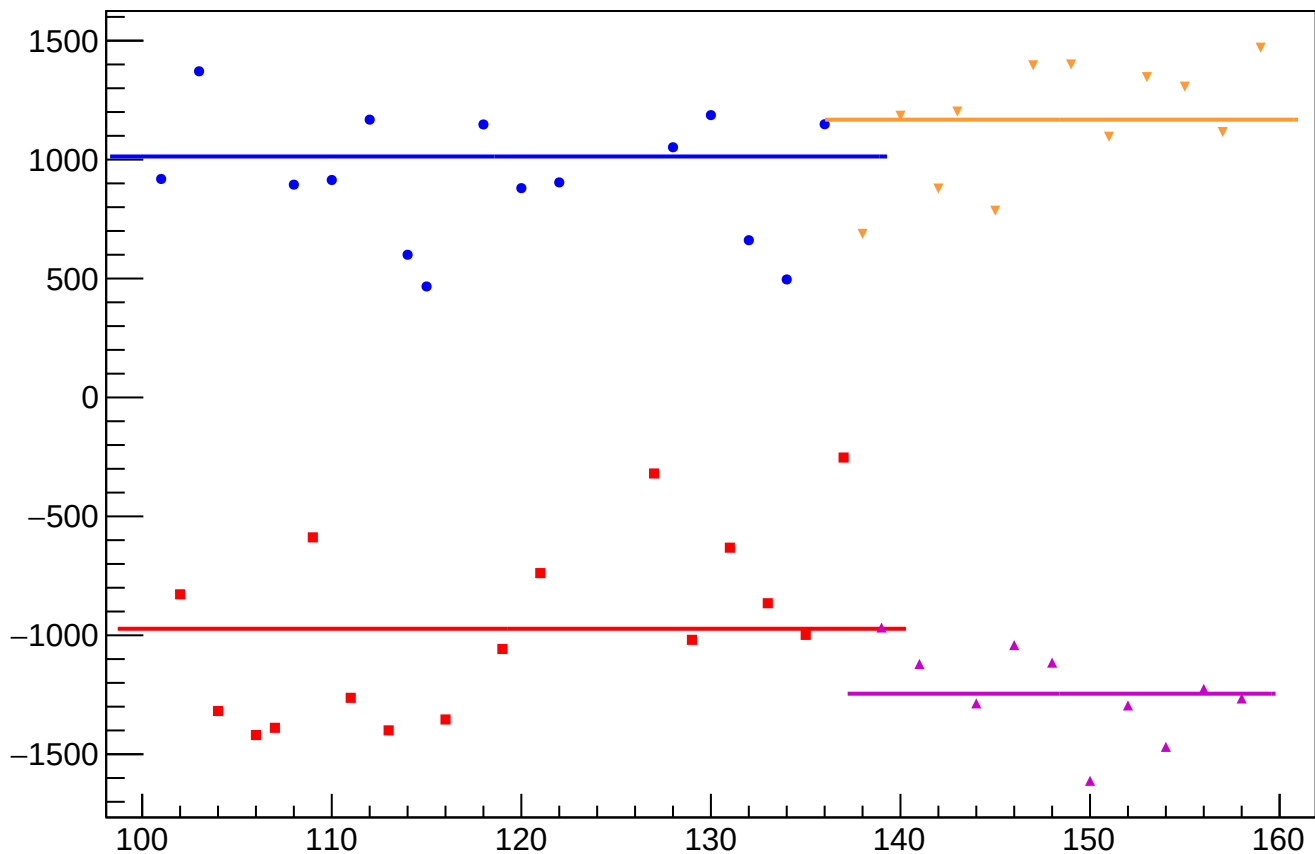
All: -127.461+/-0.000 χ^2/NDF : 13959879852

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: -636.882 $\pm$ 0.000 χ^2 /NDF: 12251335597281760993378972797140729856.0/9
 All: -140.360 $\pm$ 0.000 χ^2 /NDF: 15729737330

dit_atr2_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: -1245.495+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29584355694802852002513400503568695296.0/9

Left: 6.995+/-0.000 χ^2/NDF : 26536151165894083

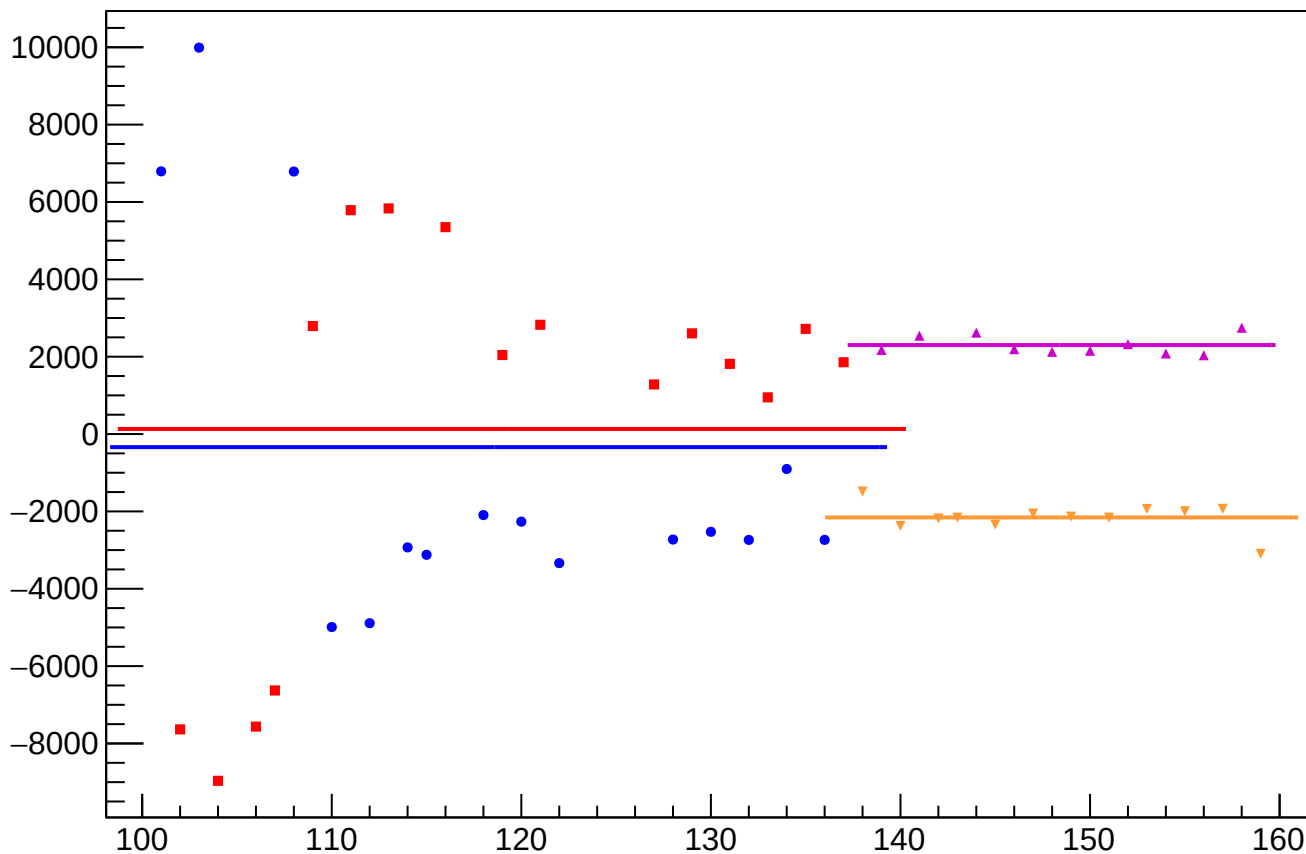
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -267.604+/-0.000 χ^2/NDF : 1938704977440096

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

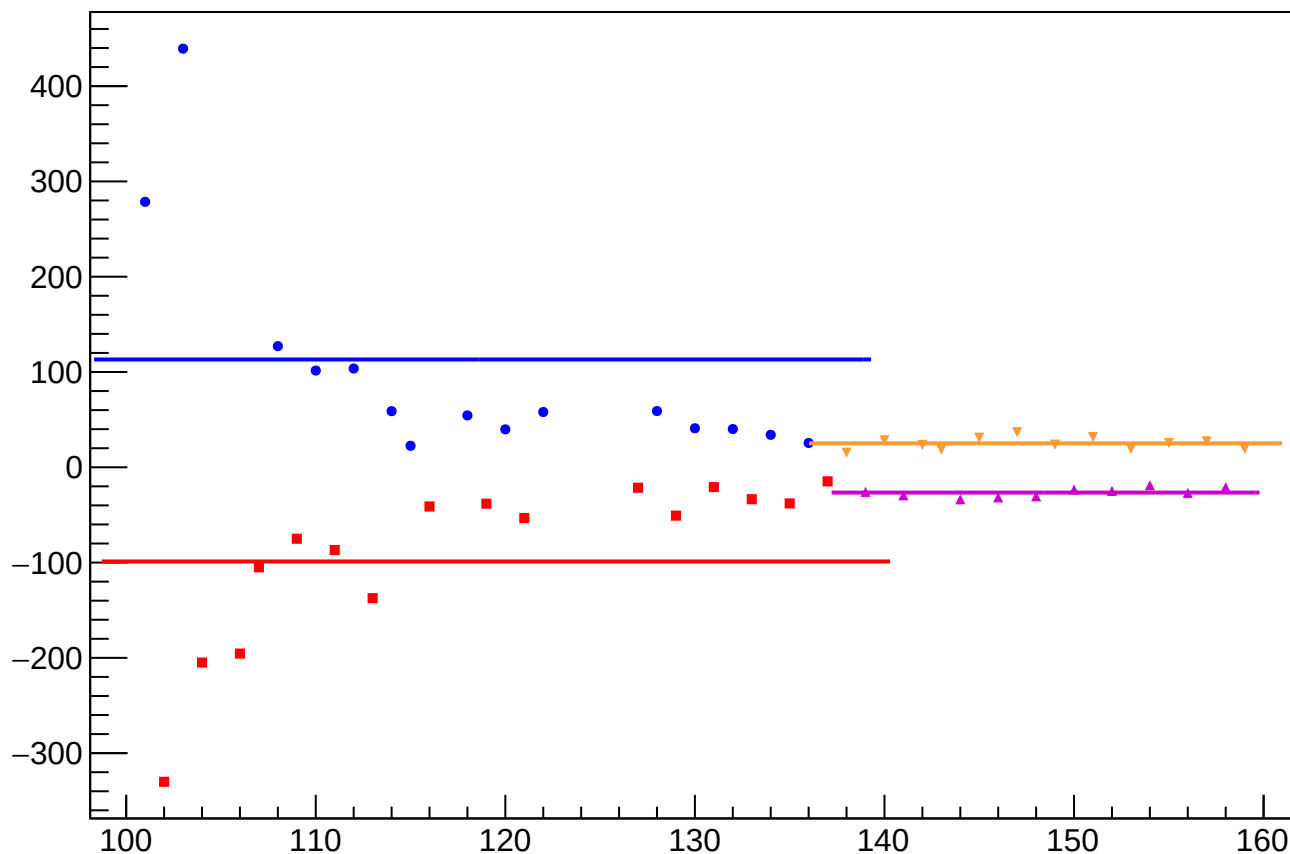
All: 6.896+/-0.000 χ^2/NDF : 40611106000890

dit_sam1_coil6_mean vs Slug, Sign Corrected



Right In: -337.865+/-0.000 χ^2/NDF : 15152515933007079891661097940762081886208.0/14
 Left Out: -2155.781+/-0.000 χ^2/NDF : 123219365127325232212410930135251812352.0/11
 Right Out: 131.545+/-0.000 χ^2/NDF : 16473217651078877976377424419956902068224.0/15
 Left In: 2300.967+/-0.000 χ^2/NDF : 46987373090784001216760055833898778624.0/9
 All: -49.485+/-0.000 χ^2/NDF : 406359556773

dit_sam1_coil6_err_mean vs Slug, Sign Corrected



Right In: 113.134+/-0.000 χ^2/NDF : 9989638354332004017458192433874468864.0/14

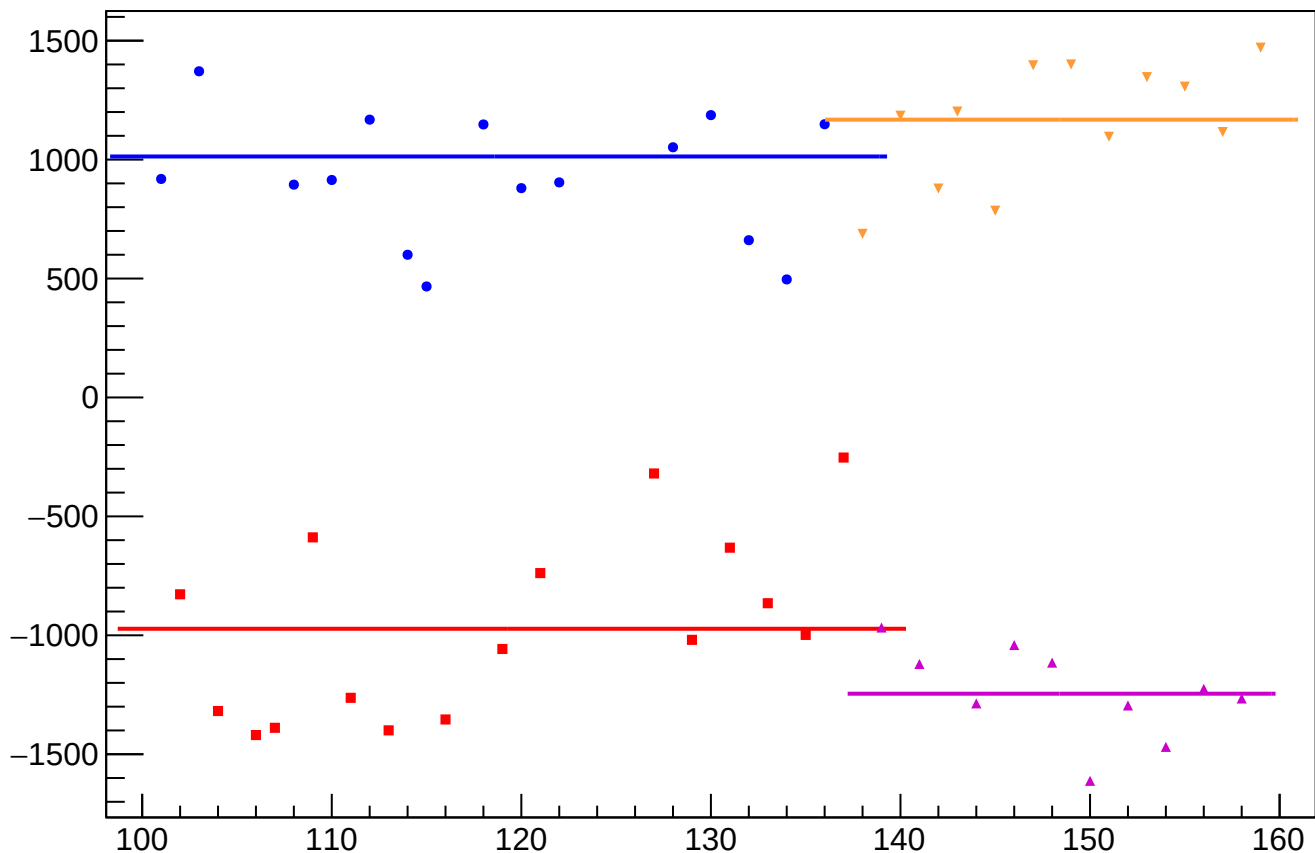
Left Out: 25.122+/-0.000 χ^2/NDF : 34236554639910499014555581559078912.0/11

Right Out: -98.833+/-0.000 χ^2/NDF : 5510365308590426333953610701260980224.0/15

Left In: -26.531+/-0.000 χ^2/NDF : 17717864512003281818069547953946624.0/9

All: 2.591+/-0.000 χ^2/NDF : 31530213180014

dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146 $\pm$ 0.000

Left Out: 1167.974 $\pm$ 0.000

Right Out: -972.465 $\pm$ 0.000

Left In: -1245.495 $\pm$ 0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29584355694802852002513400503568695296.0/9

Left: 6.995 $\pm$ 0.000 χ^2/NDF : 265361511658940839

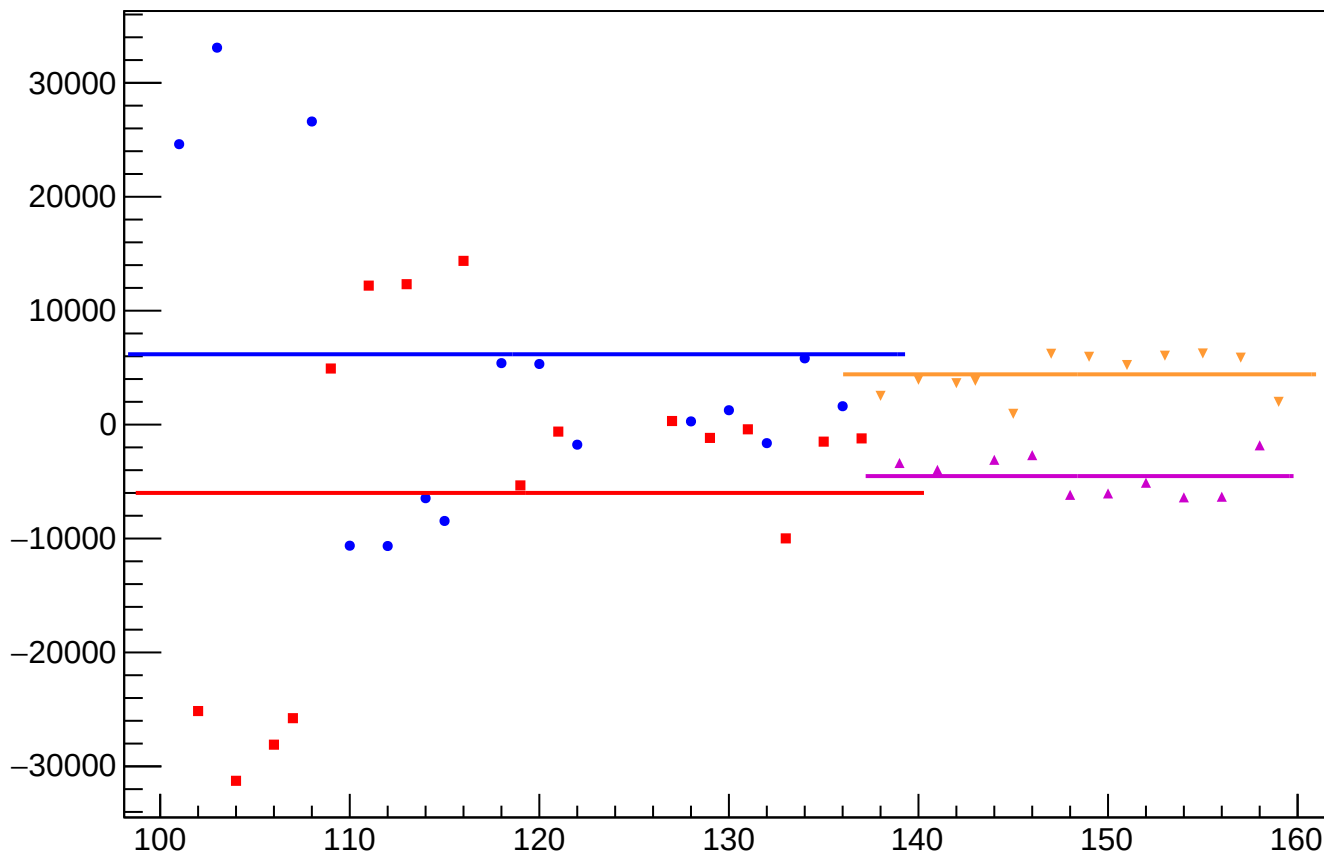
Right: 6.761 $\pm$ 0.000 χ^2/NDF : 14074954421733032

In: -267.604 $\pm$ 0.000 χ^2/NDF : 1938704977440096

Out: 266.665 $\pm$ 0.000 χ^2/NDF : 1902566719354889

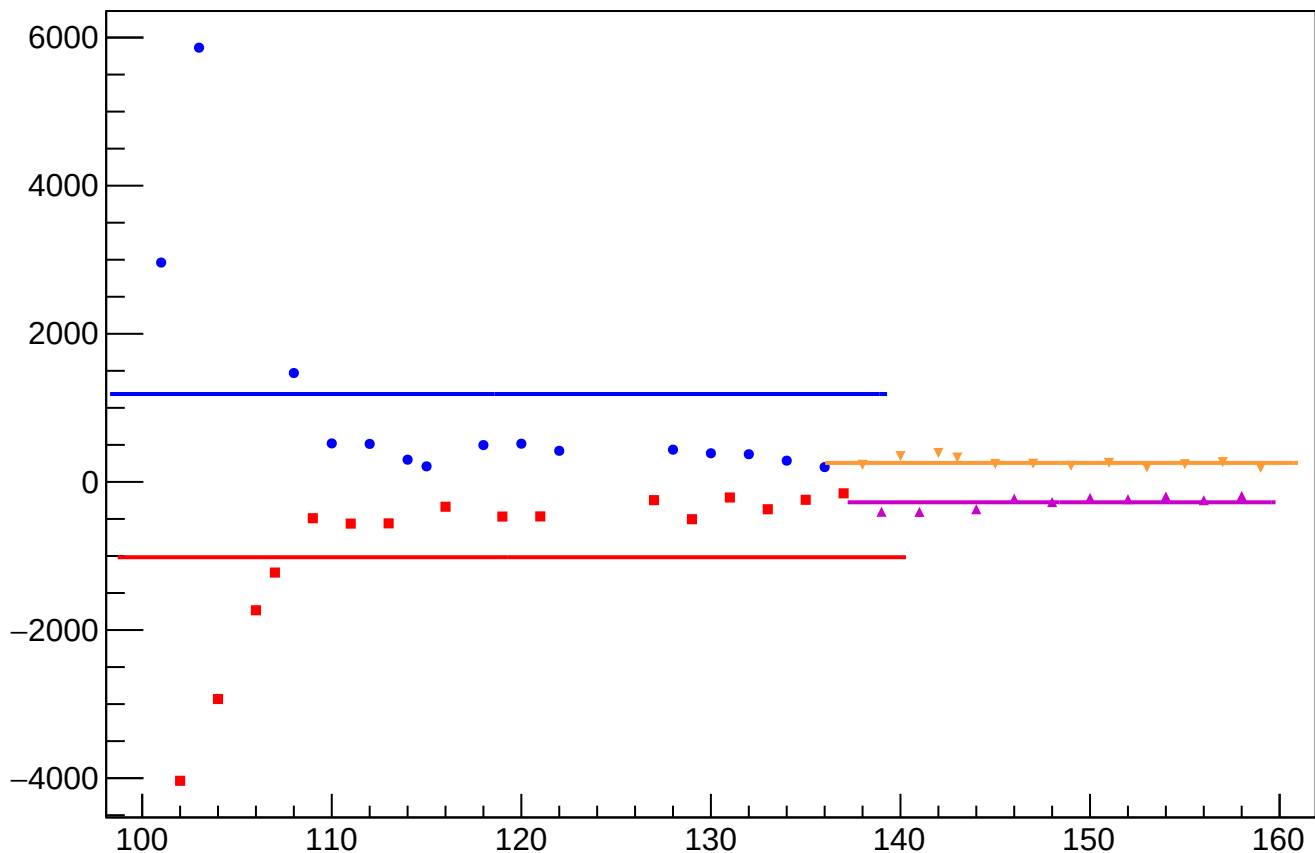
All: 6.896 $\pm$ 0.000 χ^2/NDF : 40611106000890

dit_sam2_coil6_mean vs Slug, Sign Corrected



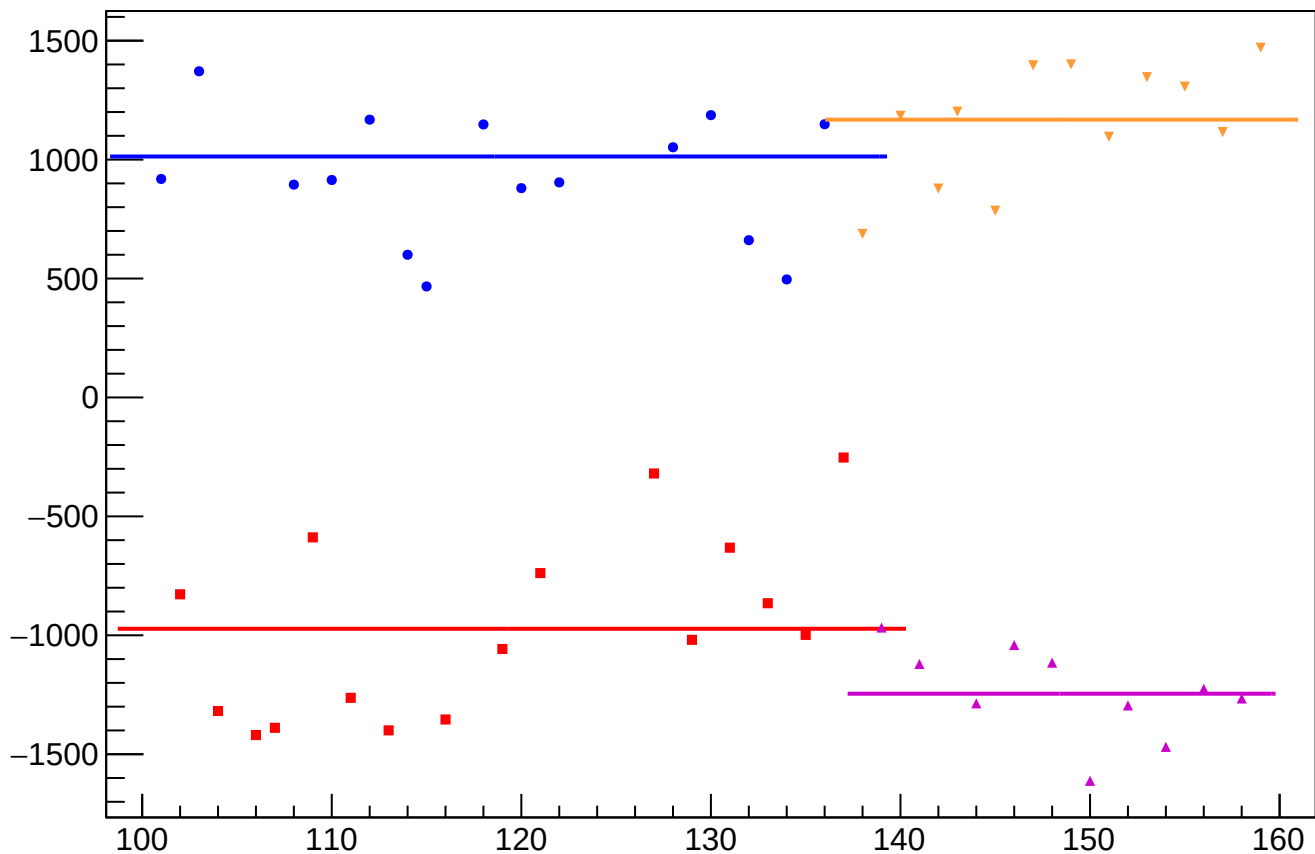
Right In: 6175.493+/-0.000 χ^2/NDF : 117260877162921223967478349050708452442112.0/14
 Left Out: 4413.614+/-0.000 χ^2/NDF : 2955972864027480615108884679842756296704.0/11
 Right Out: -5996.727+/-0.000 χ^2/NDF : 137057710785025136543407710107916356812800.0/15
 Left In: -4519.034+/-0.000 χ^2/NDF : 2225888041502484842915790143256130486272.0/9
 All: 69.472+/-0.000 χ^2/NDF : 3434436693720

dit_sam2_coil6_err_mean vs Slug, Sign Corrected



Left: 0.765+/-0.000 χ^2/NDF : 132784540261191514
 Right: 69.987+/-0.000 χ^2/NDF : 4321353447769683
 Right In: 1186.846+/-0.000 χ^2/NDF : 1796463312802023303623210264680353234944.0/14
 Left Out: 256.413+/-0.000 χ^2/NDF : 2796377992740210527233445839838904320.0/11
 In: 357.895+/-0.000 χ^2/NDF : 25883403214813374
 Right Out: -1016.732+/-0.000 χ^2/NDF : 927646003466094249558391691024825057280.0/15
 Out: -279.690+/-0.000 χ^2/NDF : 155632876802520
 Left In: -275.034+/-0.000 χ^2/NDF : 5401649127570007964909585213692051456.0/9
 All: 30.313+/-0.000 χ^2/NDF : 4457752126469

dit_sam2_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: -1245.495+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29584355694802852002513400503568695296.0/9

Left: 6.995+/-0.000 χ^2/NDF : 26536151165894083

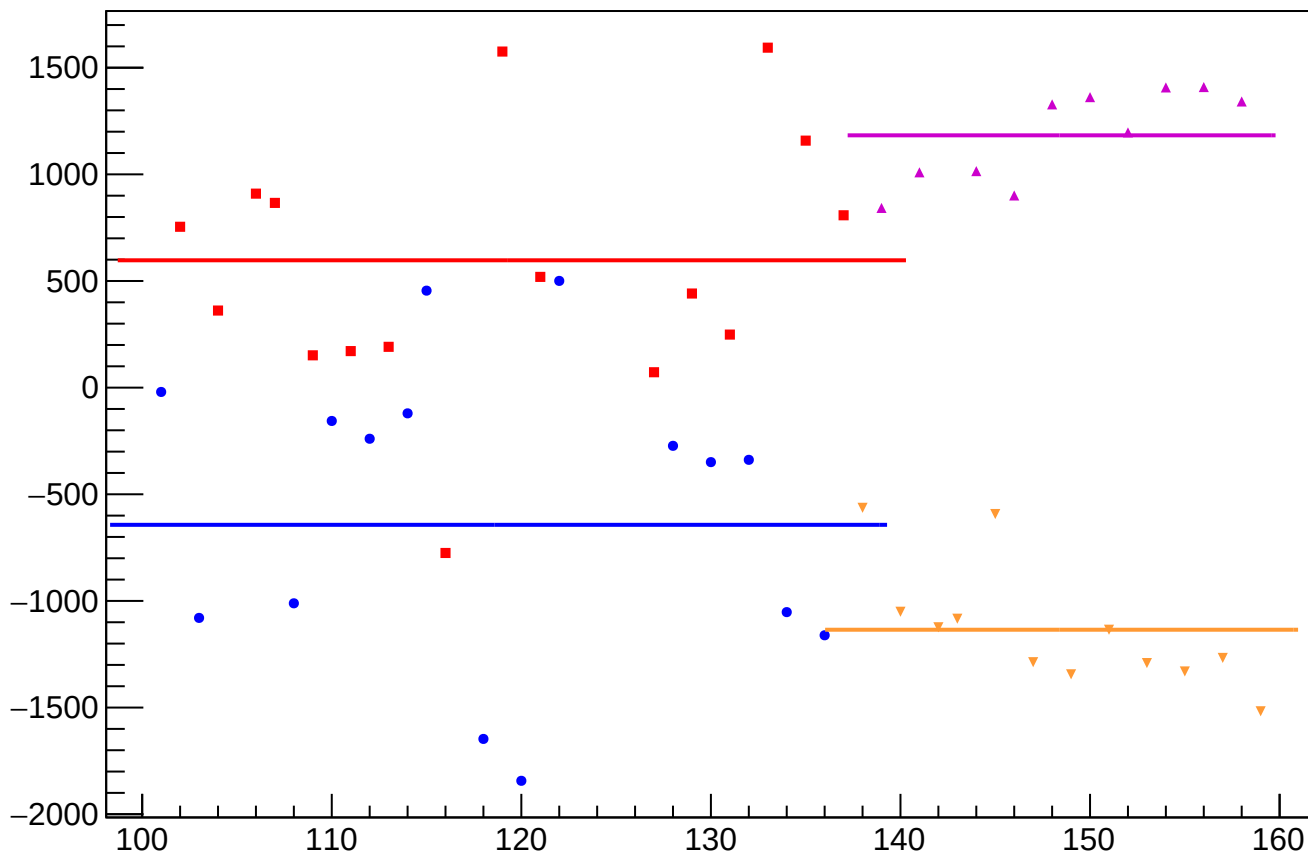
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -267.604+/-0.000 χ^2/NDF : 1938704977440096

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

All: 6.896+/-0.000 χ^2/NDF : 40611106000890

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: 1182.946+/-0.000

χ^2/NDF : 272726964608206694027285159784925364224.0/14

χ^2/NDF : 73789817632186163776632146016354697216.0/11

χ^2/NDF : 210733370798031449363504004319005376512.0/15

χ^2/NDF : 36375552020537355540881867073518567424.0/9

Left: -19.990+/-0.000 χ^2/NDF : 2480287129272987

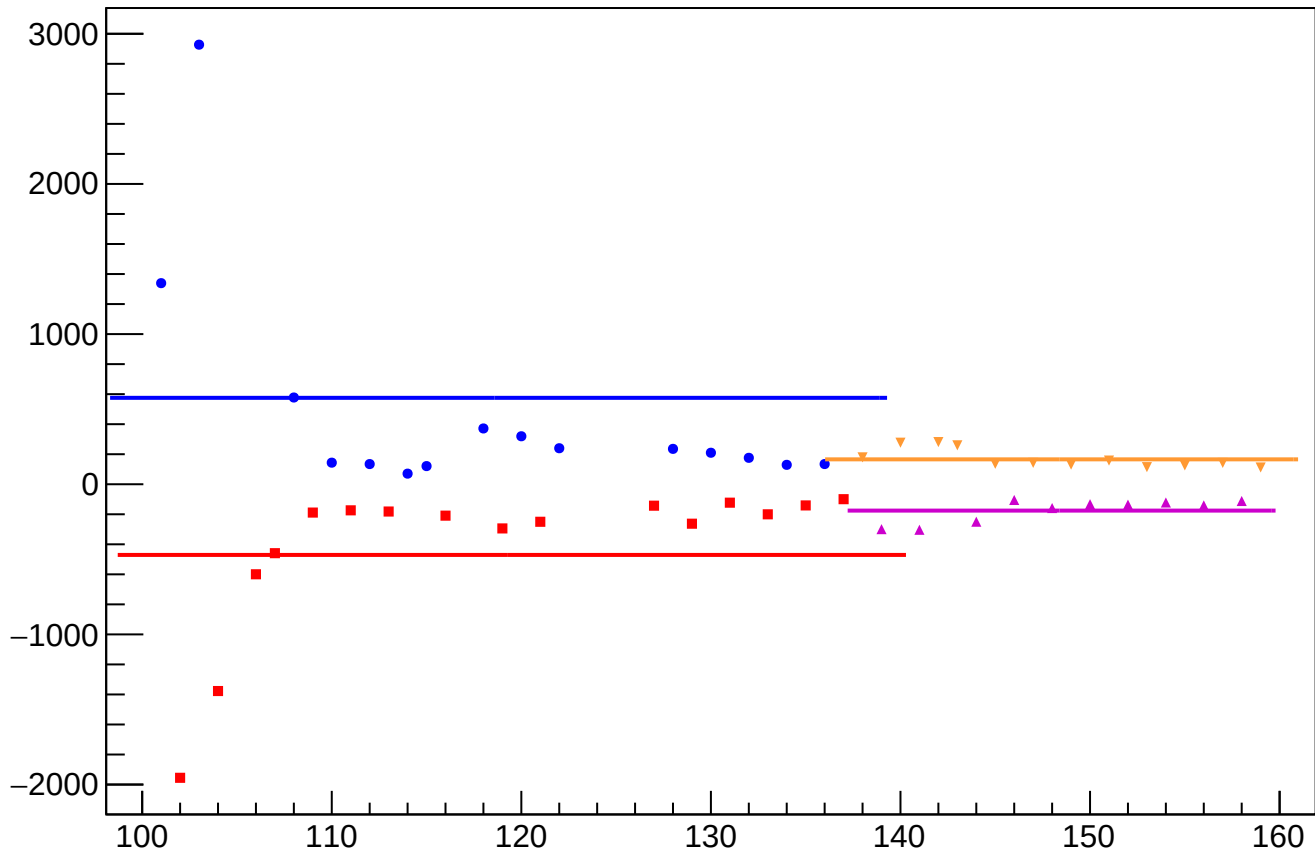
Right: -14.605+/-0.000 χ^2/NDF : 989448118075246

In: 392.299+/-0.000 χ^2/NDF : 1536374862055225

Out: -405.681+/-0.000 χ^2/NDF : 144296408406793

All: -17.691+/-0.000 χ^2/NDF : 346975711523

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

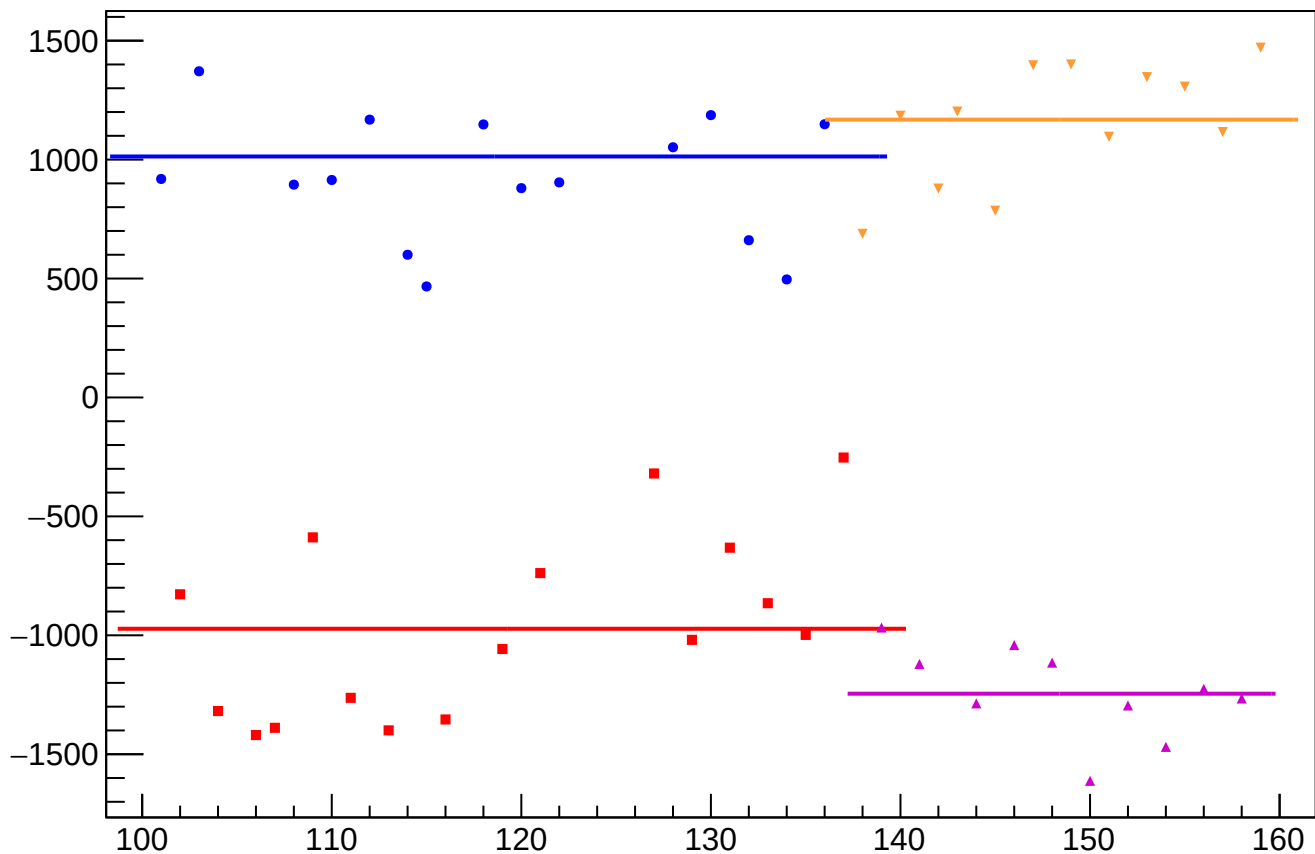
χ^2/NDF : 209310604291868219806073768764512403456.0/15

Left In: -175.504+/-0.000

χ^2/NDF : 4539230210254737255719814970065551360.0/9

All: 20.248+/-0.000 χ^2/NDF : 1062495442238

dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146 $\pm$ 0.000

Left Out: 1167.974 $\pm$ 0.000

Right Out: -972.465 $\pm$ 0.000

Left In: -1245.495 $\pm$ 0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29584355694802852002513400503568695296.0/9

Left: 6.995 $\pm$ 0.000 χ^2/NDF : 26536151165894083

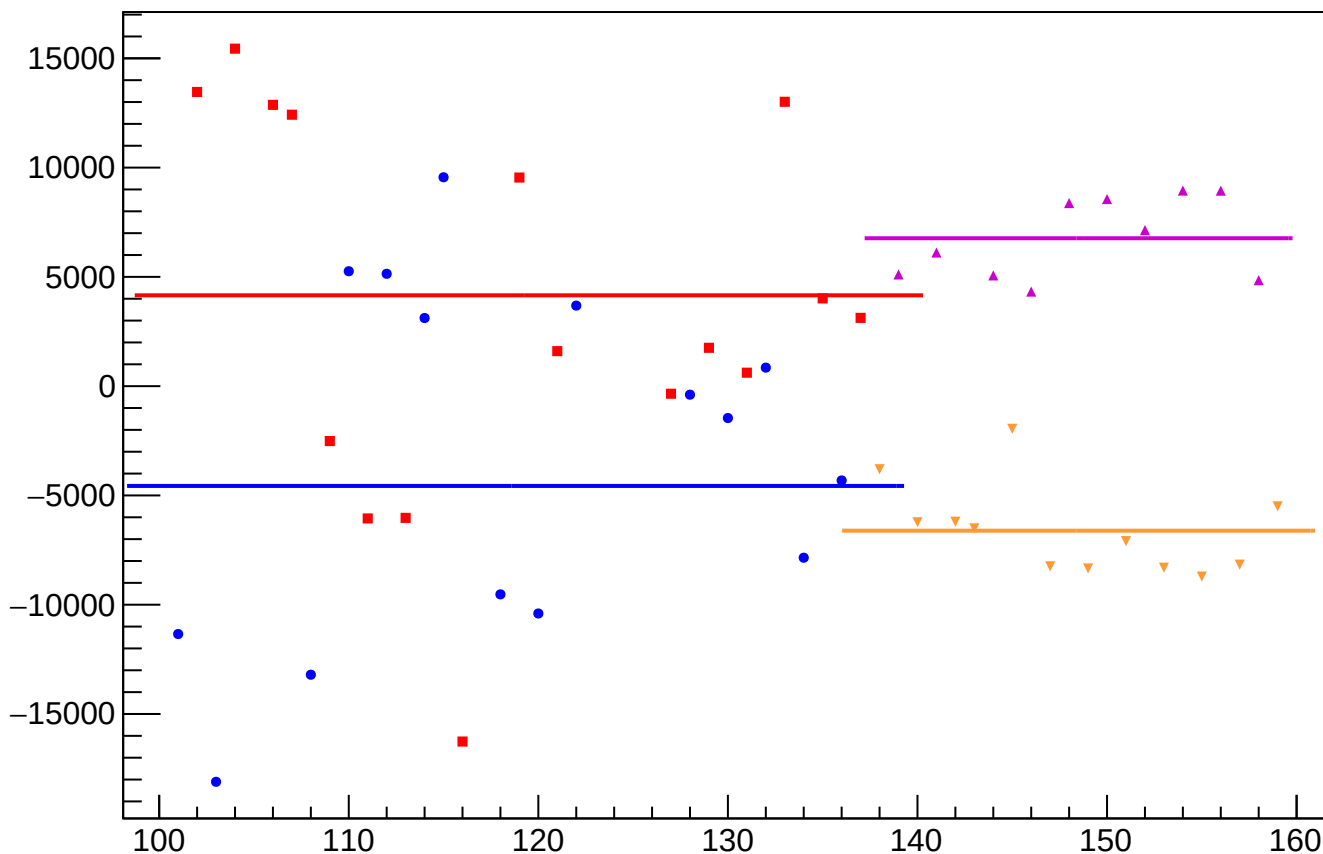
Right: 6.761 $\pm$ 0.000 χ^2/NDF : 14074954421733032

In: -267.604 $\pm$ 0.000 χ^2/NDF : 1938704977440096

Out: 266.665 $\pm$ 0.000 χ^2/NDF : 1902566719354889

All: 6.896 $\pm$ 0.000 χ^2/NDF : 40611106000890

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: 6767.679+/-0.000

χ^2/NDF : 35667768247432289984899042725155487875072.0/14

χ^2/NDF : 3759909720266492863199038301551573598208.0/11

χ^2/NDF : 45539455441659927157708443099930682195968.0/15

χ^2/NDF : 2633962132978784741994661844815034974208.0/9

Left: -176.212+/-0.000 χ^2/NDF : 853692825357320

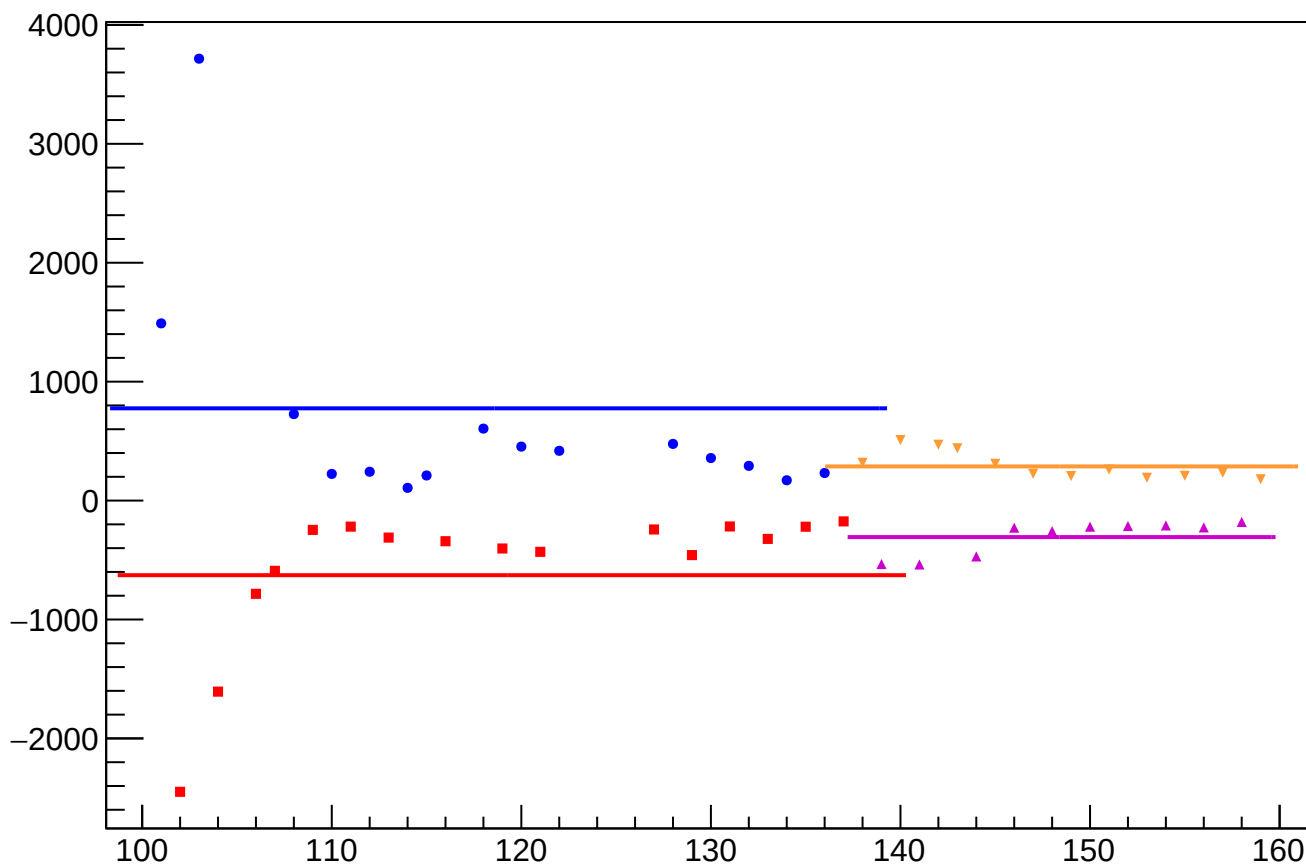
Right: -144.626+/-0.000 χ^2/NDF : 10623220696347

In: 1860.957+/-0.000 χ^2/NDF : 8556880550055820

Out: -2077.821+/-0.000 χ^2/NDF : 94085131574045

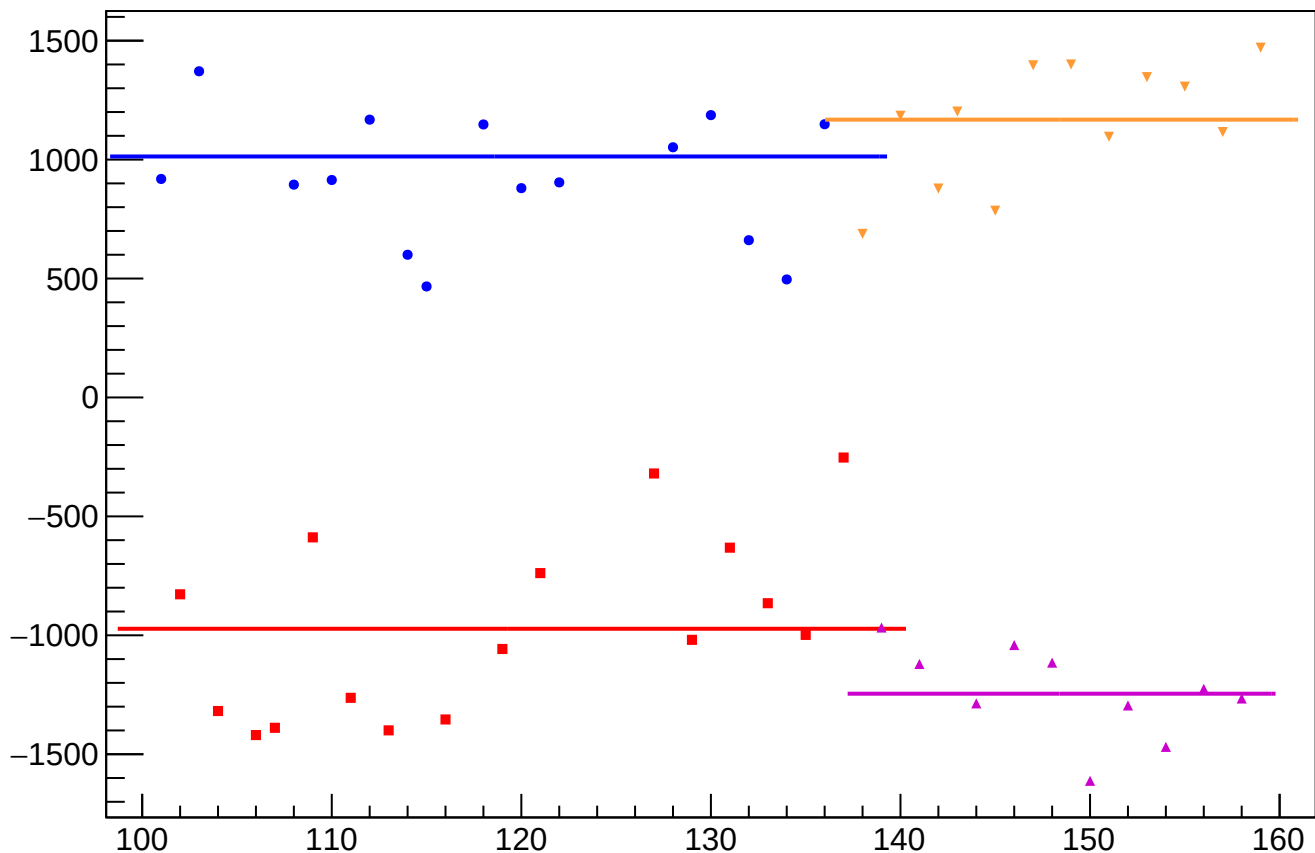
All: -162.729+/-0.000 χ^2/NDF : 19160224201

dit_sam4_coil6_err_mean vs Slug, Sign Corrected



Left: 1.407 +/- 0.000 χ^2/NDF : 182242565120510305
 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: 161.813 +/- 0.000 χ^2/NDF : 10892503956327673
 Right Out: -627.315 +/- 0.000 χ^2/NDF : 297517676171111924966086193860621369344.0/15
 Out: -97.841 +/- 0.000 χ^2/NDF : 6310731224648516
 Left In: -307.003 +/- 0.000 χ^2/NDF : 15894306881714550792702539396563337216.0/9
 All: 28.406 +/- 0.000 χ^2/NDF : 1772248264252

dit_sam4_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146 $\pm$ 0.000

Left Out: 1167.974 $\pm$ 0.000

Right Out: -972.465 $\pm$ 0.000

Left In: -1245.495 $\pm$ 0.000

χ^2 /NDF: 31721270909522099205936100724856324096.0/14

χ^2 /NDF: 54610138783870430946405205692756525056.0/11

χ^2 /NDF: 78884457200782655962756069915468234752.0/15

χ^2 /NDF: 29584355694802852002513400503568695296.0/9

Left: 6.995 $\pm$ 0.000 χ^2 /NDF: 265361511658940839

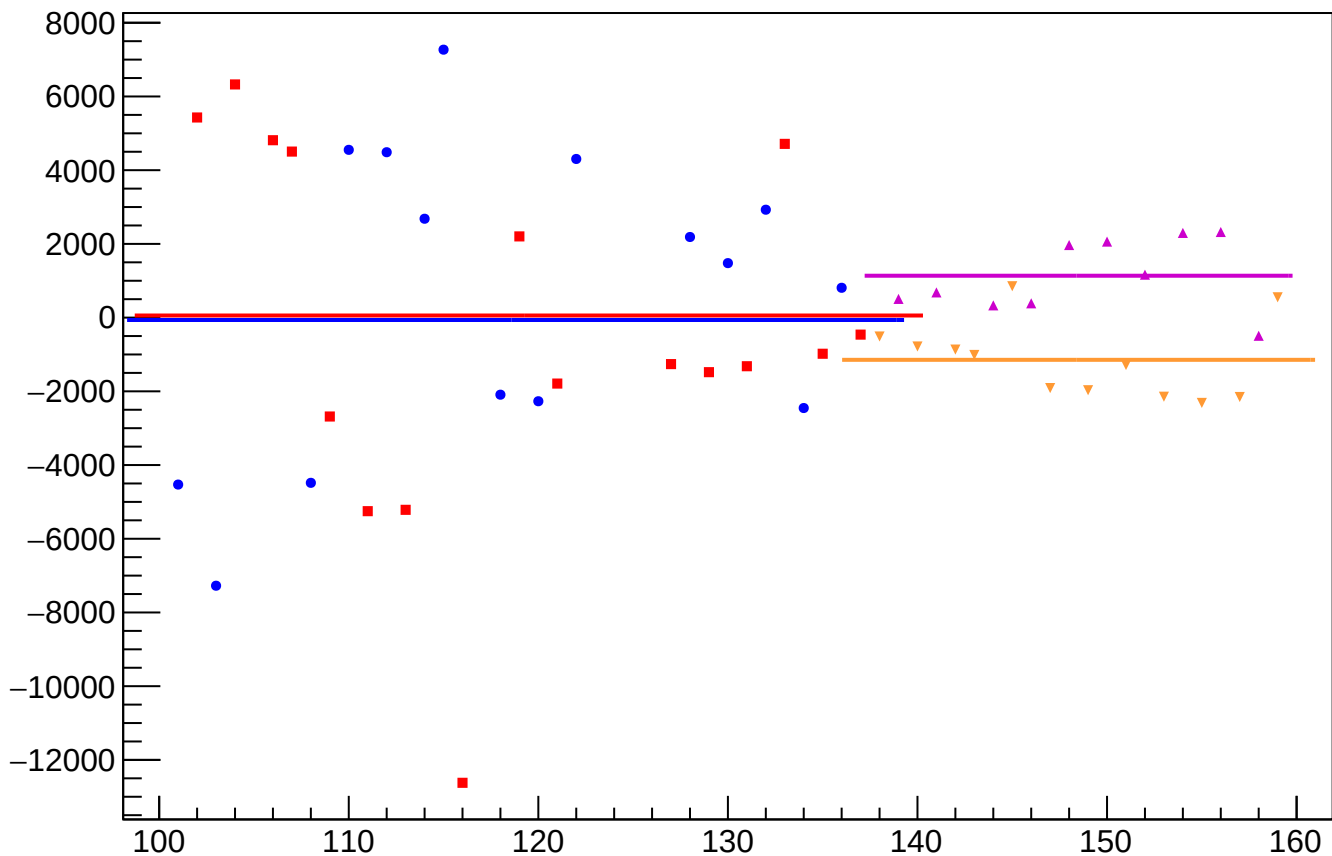
Right: 6.761 $\pm$ 0.000 χ^2 /NDF: 14074954421733032

In: -267.604 $\pm$ 0.000 χ^2 /NDF: 1938704977440096

Out: 266.665 $\pm$ 0.000 χ^2 /NDF: 1902566719354889

All: 6.896 $\pm$ 0.000 χ^2 /NDF: 40611106000890

dit_sam5_coil6_mean vs Slug, Sign Corrected



Right In: -64.751+/-0.000

χ^2/NDF : 9614223448851814191683817349989558910976.0/14

Left Out: -1145.277+/-0.000

χ^2/NDF : 979075596349520821974350897813840199680.0/11

Right Out: 57.229+/-0.000

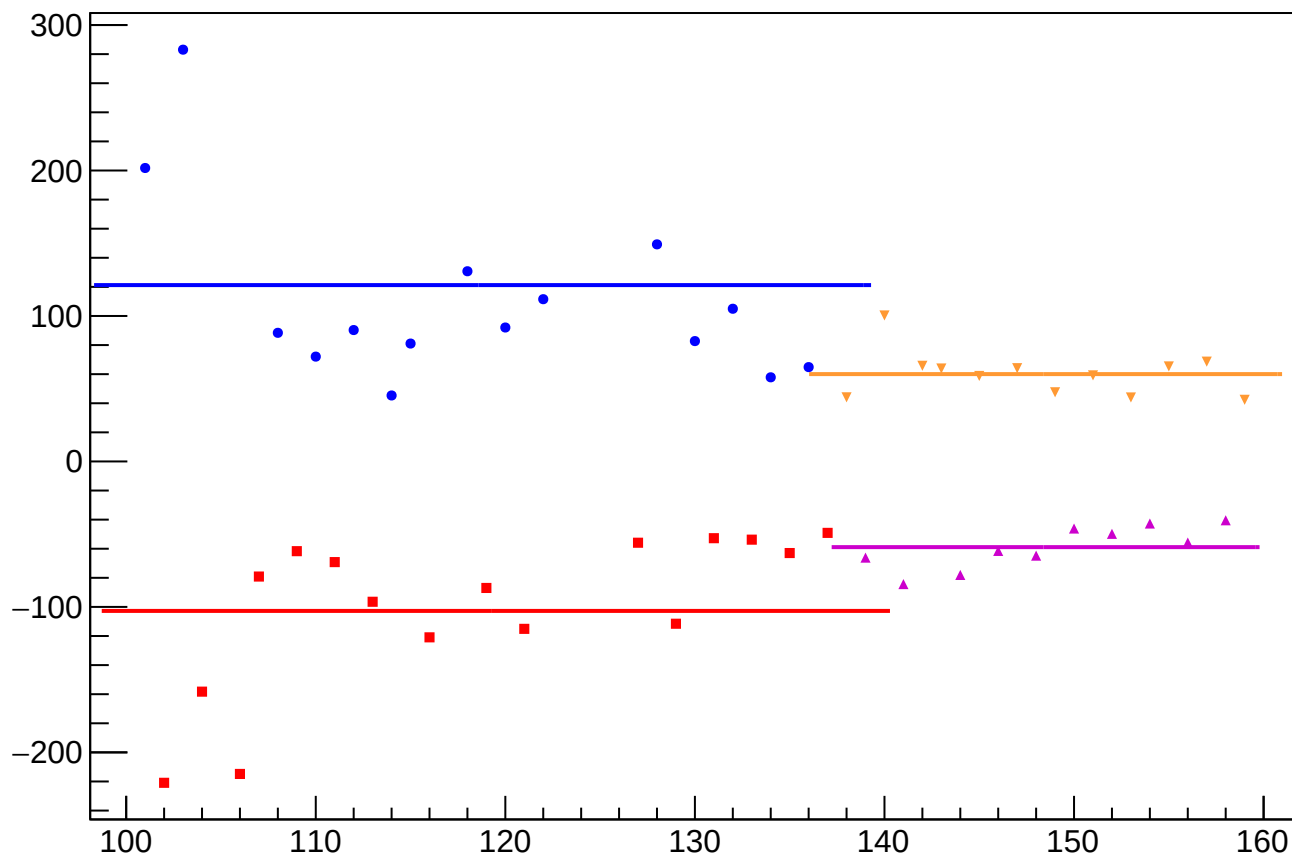
χ^2/NDF : 13780958977008702301942505454387177979904.0/15

Left In: 1136.491+/-0.000

χ^2/NDF : 737523878604150914568828572285515333632.0/9

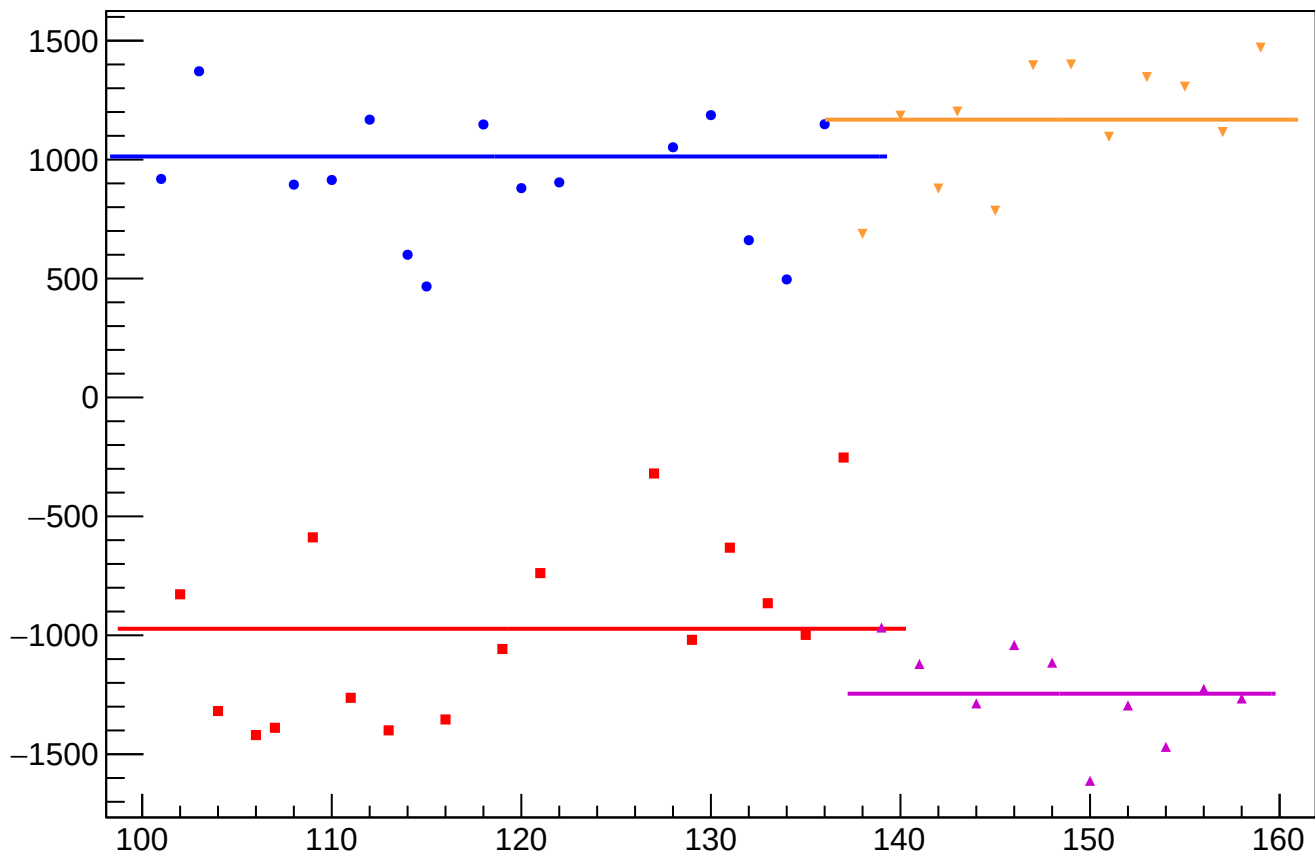
All: -28.561+/-0.000 χ^2/NDF : 274148349939

dit_sam5_coil6_err_mean vs Slug, Sign Corrected



Right In: 121.228 $\pm$ 0.000 χ^2 /NDF: 2723170857684362574800637594861305856.0/14
 Left Out: 60.042 $\pm$ 0.000 χ^2 /NDF: 225194152627424805036116621962248192.0/11
 Right Out: -102.749 $\pm$ 0.000 χ^2 /NDF: 1967668024846010333654427670555918336.0/15
 Left In: -58.903 $\pm$ 0.000 χ^2 /NDF: 168982164788728176175332737501102080.0/9
 All: 4.909 $\pm$ 0.000 χ^2 /NDF: 27845204812714

dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146 $\pm$ 0.000

Left Out: 1167.974 $\pm$ 0.000

Right Out: -972.465 $\pm$ 0.000

Left In: -1245.495 $\pm$ 0.000

χ^2 /NDF: 31721270909522099205936100724856324096.0/14

χ^2 /NDF: 54610138783870430946405205692756525056.0/11

χ^2 /NDF: 78884457200782655962756069915468234752.0/15

χ^2 /NDF: 29584355694802852002513400503568695296.0/9

Left: 6.995 $\pm$ 0.000 χ^2 /NDF: 26536151165894083

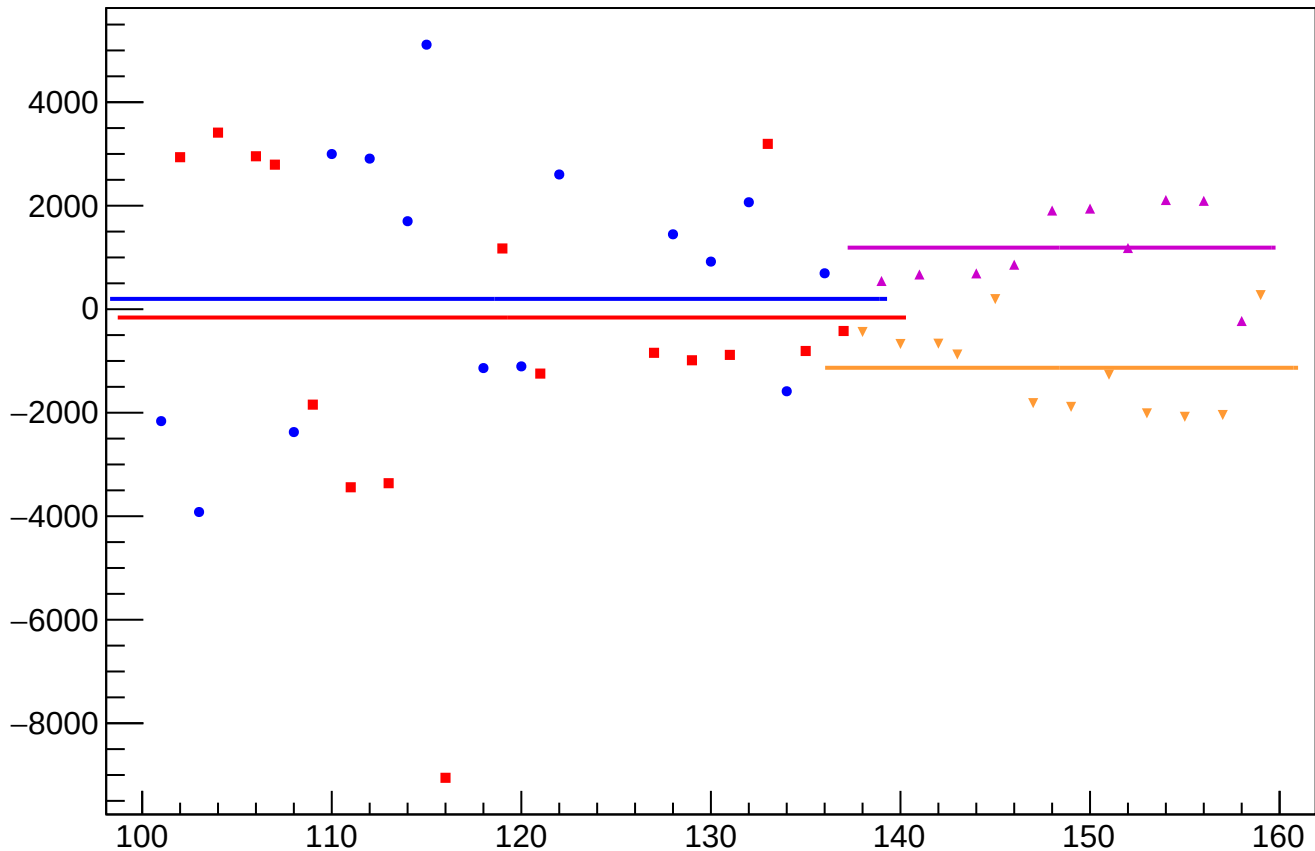
Right: 6.761 $\pm$ 0.000 χ^2 /NDF: 14074954421733032

In: -267.604 $\pm$ 0.000 χ^2 /NDF: 1938704977440096

Out: 266.665 $\pm$ 0.000 χ^2 /NDF: 1902566719354889

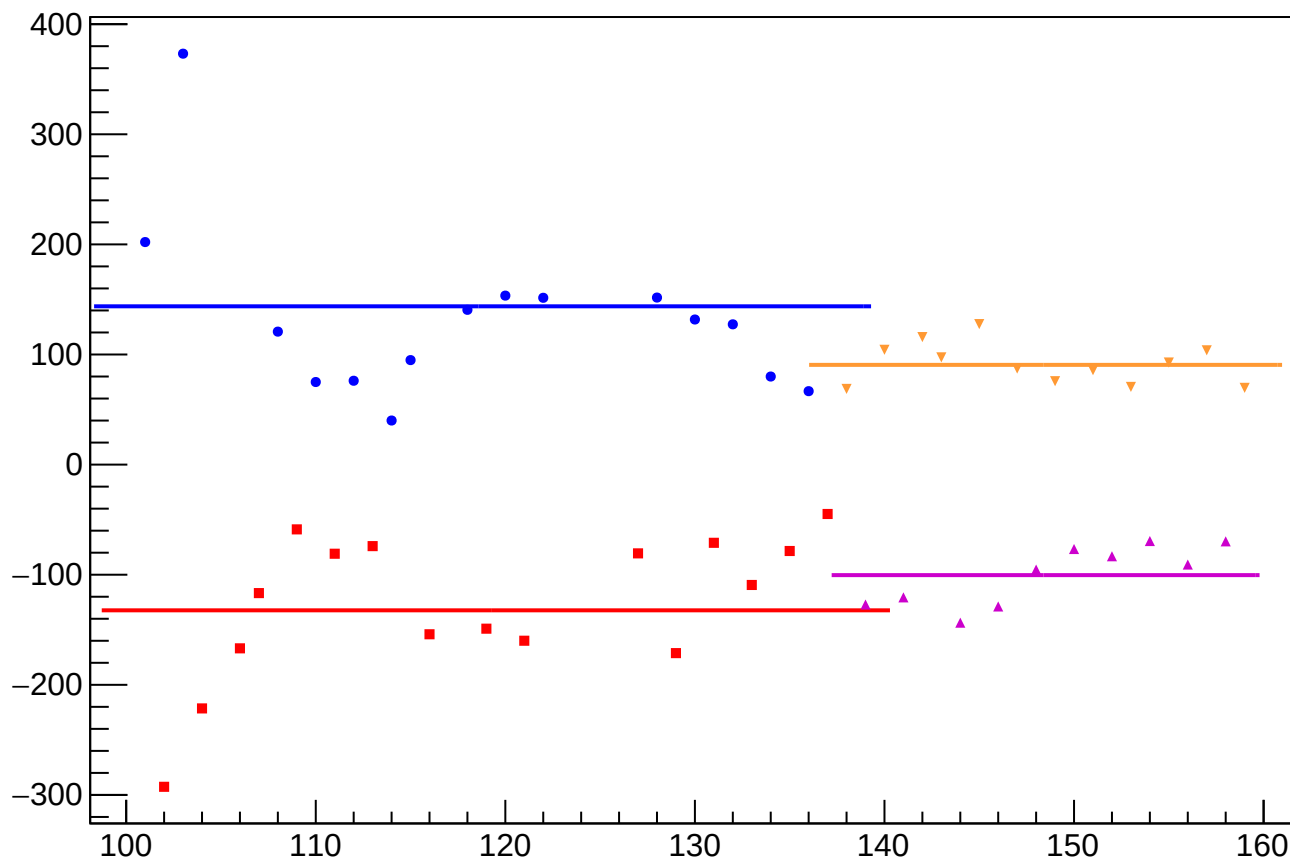
All: 6.896 $\pm$ 0.000 χ^2 /NDF: 40611106000890

dit_sam6_coil6_mean vs Slug, Sign Corrected



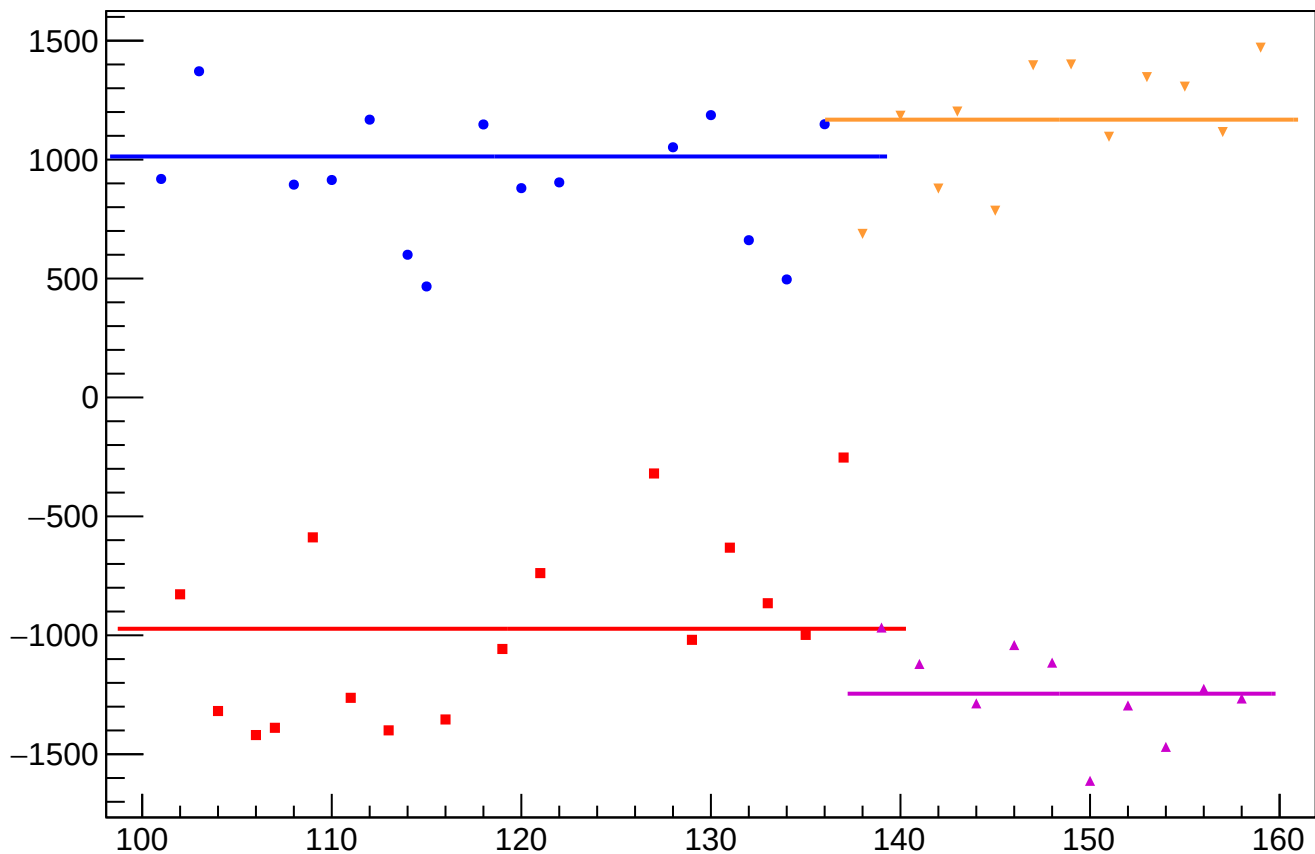
Right In: 199.503+/-0.000 χ^2/NDF : 3268159745923533825045181664876849790976.0/14
 Left Out: -1131.740+/-0.000 χ^2/NDF : 658434610169859056709733978264796397568.0/11
 Right Out: -160.512+/-0.000 χ^2/NDF : 5680576709461197901526729703706251493376.0/15
 Left In: 1189.646+/-0.000 χ^2/NDF : 486098419220033497908045253773457620992.0/9
 All: -1.359+/-0.000 χ^2/NDF : 1251377388104

dit_sam6_coil6_err_mean vs Slug, Sign Corrected



Left: -1.274 ± 0.000 $\chi^2/\text{NDF}: 16958755306090334$
 Right In: 143.764 ± 0.000 $\chi^2/\text{NDF}: 4514785869565777849900508591821946880.0/14$
 Left Out: 90.584 ± 0.000 $\chi^2/\text{NDF}: 300208511037372941883923935499649024.0/11$
 Right Out: -132.341 ± 0.000 $\chi^2/\text{NDF}: 3174087908796245287682359914282352640.0/15$
 Left In: -100.373 ± 0.000 $\chi^2/\text{NDF}: 573479812828809097845866581798682624.0/9$
 All: 0.902 ± 0.000 $\chi^2/\text{NDF}: 49743367886734$

dit_sam6_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: -1245.495+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29584355694802852002513400503568695296.0/9

Left: 6.995+/-0.000 χ^2/NDF : 26536151165894083

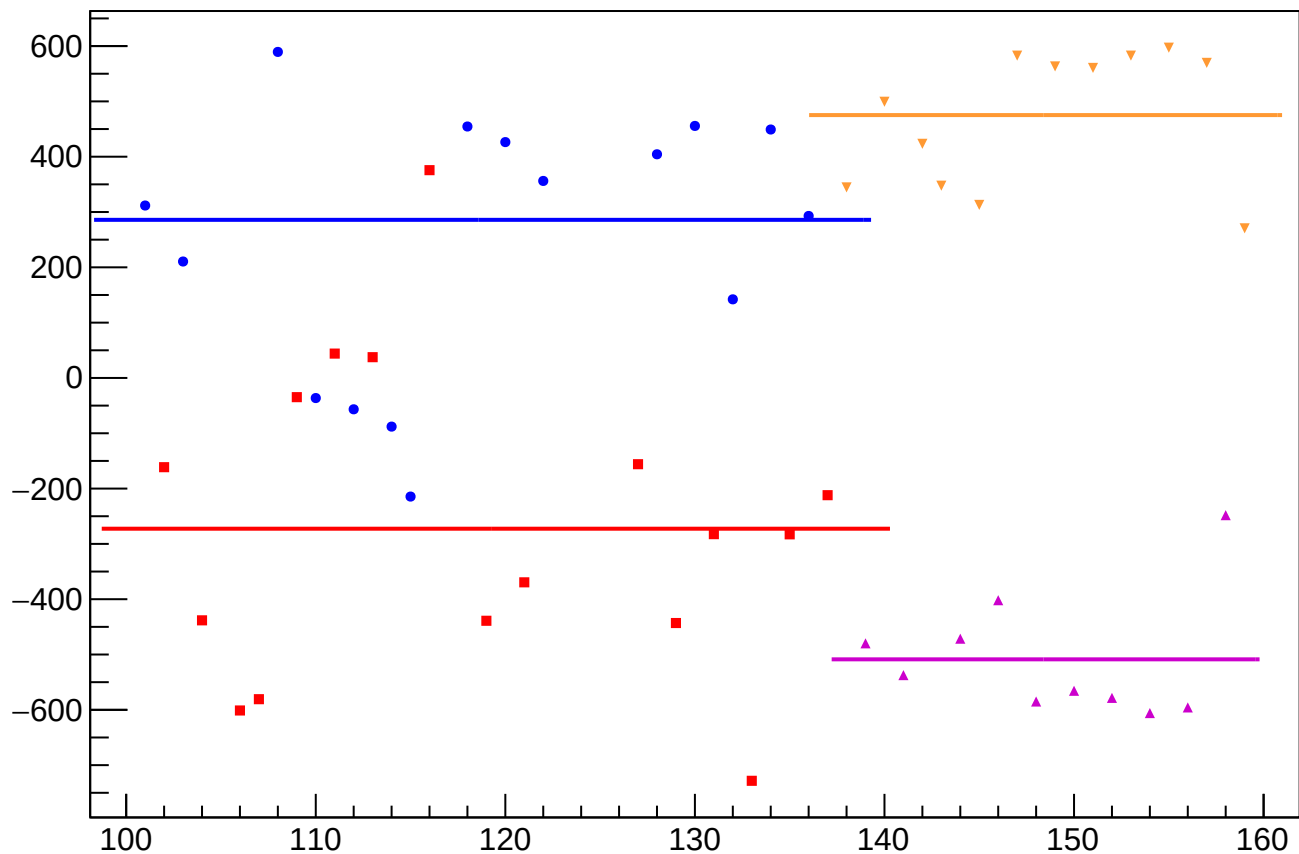
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -267.604+/-0.000 χ^2/NDF : 1938704977440096

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

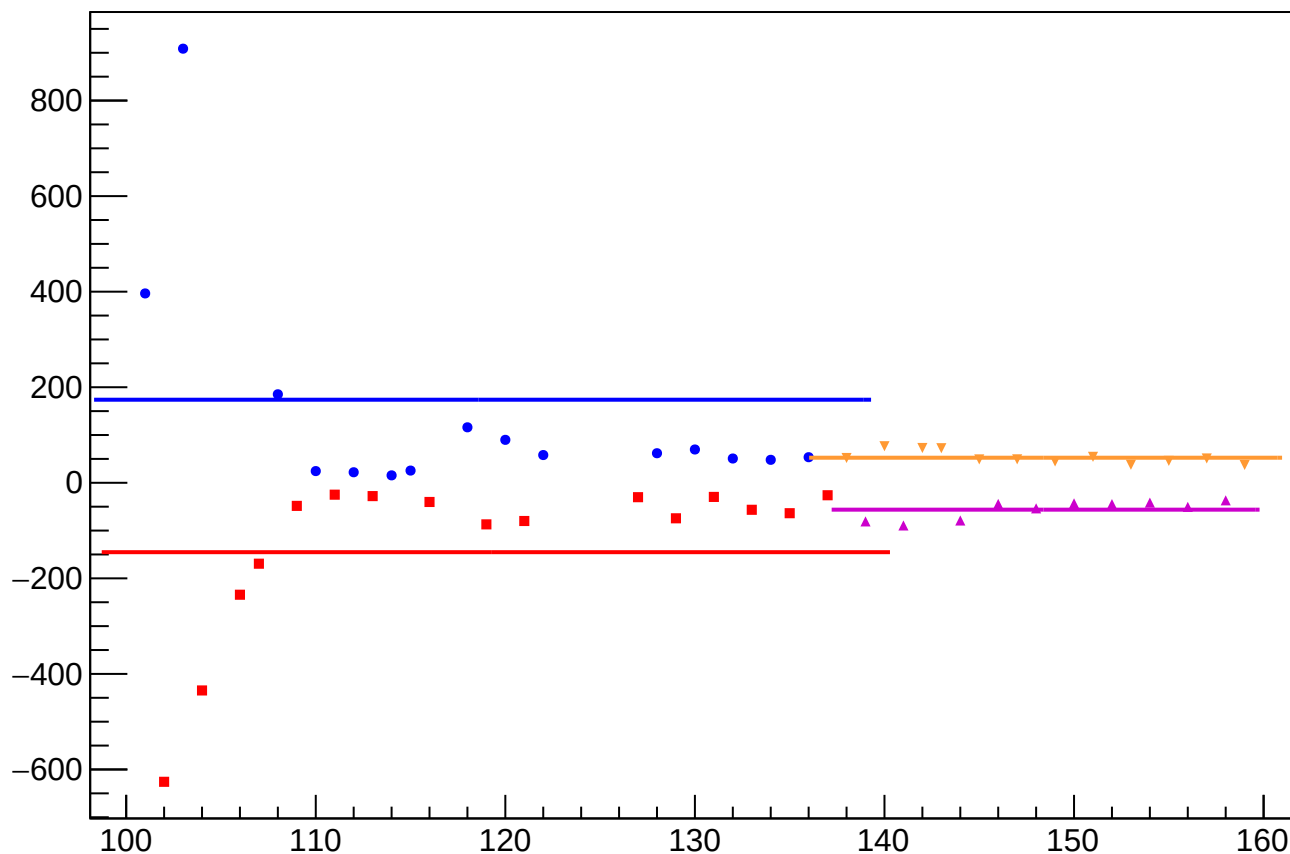
All: 6.896+/-0.000 χ^2/NDF : 40611106000890

dit_sam7_coil6_mean vs Slug, Sign Corrected



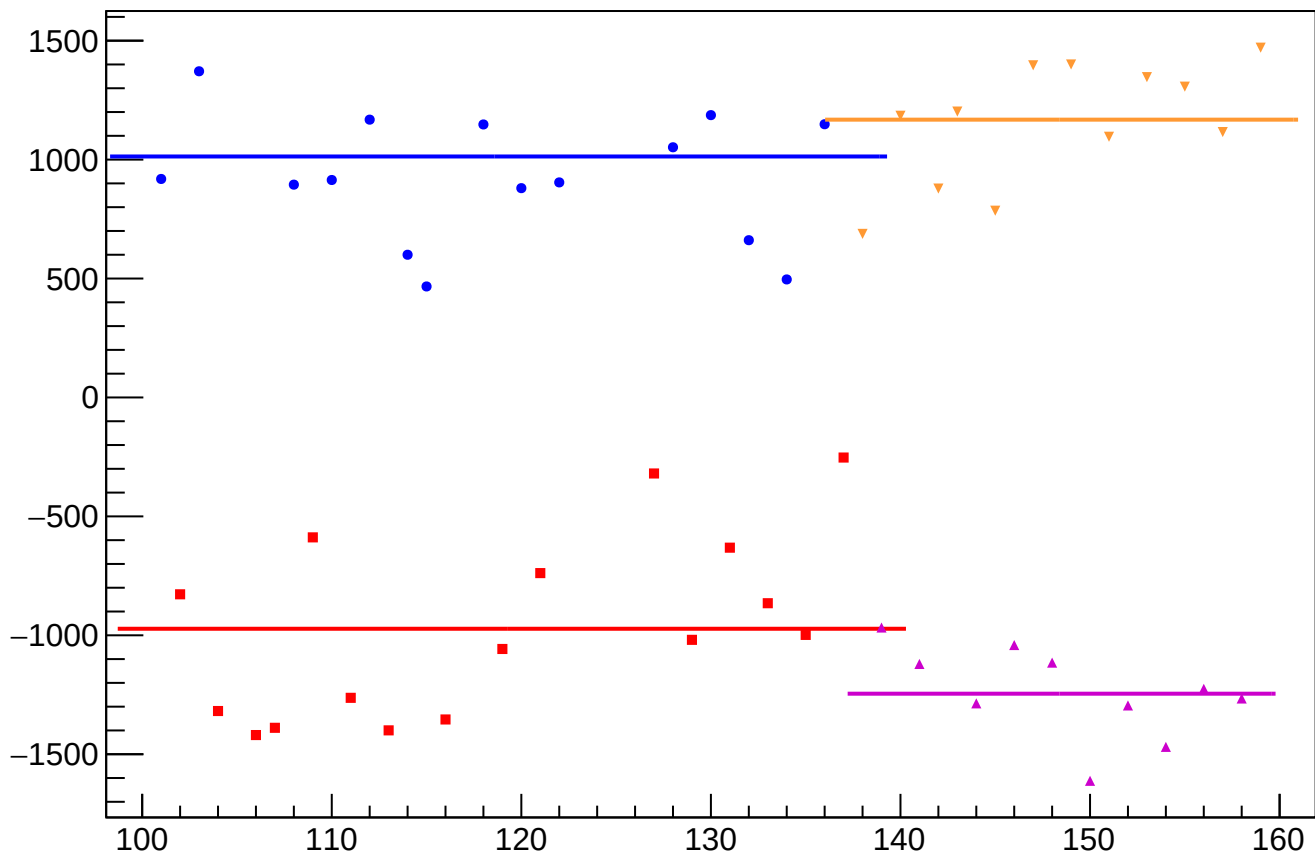
Right In: 285.856 $\pm$ 0.000 χ^2 /NDF: 24108244802355530064663311301086281728.0/14
 Left Out: 475.235 $\pm$ 0.000 χ^2 /NDF: 13070818687465126874075480521523068928.0/11
 Right Out: -272.539 $\pm$ 0.000 χ^2 /NDF: 44149952665075593650338713333575712768.0/15
 Left In: -508.721 $\pm$ 0.000 χ^2 /NDF: 9360944205242480036148096412573237248.0/9
 All: 2.308 $\pm$ 0.000 χ^2 /NDF: 62032932165497

dit_sam7_coil6_err_mean vs Slug, Sign Corrected



Left: 0.182+/-0.000 χ^2/NDF : 56364851534584568
 Right In: 173.871+/-0.000 χ^2/NDF : 41705473404466232613073704554990665728.0/14
 Right: 12.139+/-0.000 χ^2/NDF : 9772897307710637
 Left Out: 52.484+/-0.000 χ^2/NDF : 140982522312355375266483802671677440.0/11
 In: 43.387+/-0.000 χ^2/NDF : 614733719900716880
 Right Out: -145.228+/-0.000 χ^2/NDF : 22529615719408594720785265744437837824.0/15
 Out: -30.770+/-0.000 χ^2/NDF : 3776461617850606
 Left In: -56.242+/-0.000 χ^2/NDF : 280994510162254166176373742550122496.0/9
 All: 5.286+/-0.000 χ^2/NDF : 1034732917018

dit_sam7_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: -1245.495+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29584355694802852002513400503568695296.0/9

Left: 6.995+/-0.000 χ^2/NDF : 26536151165894083

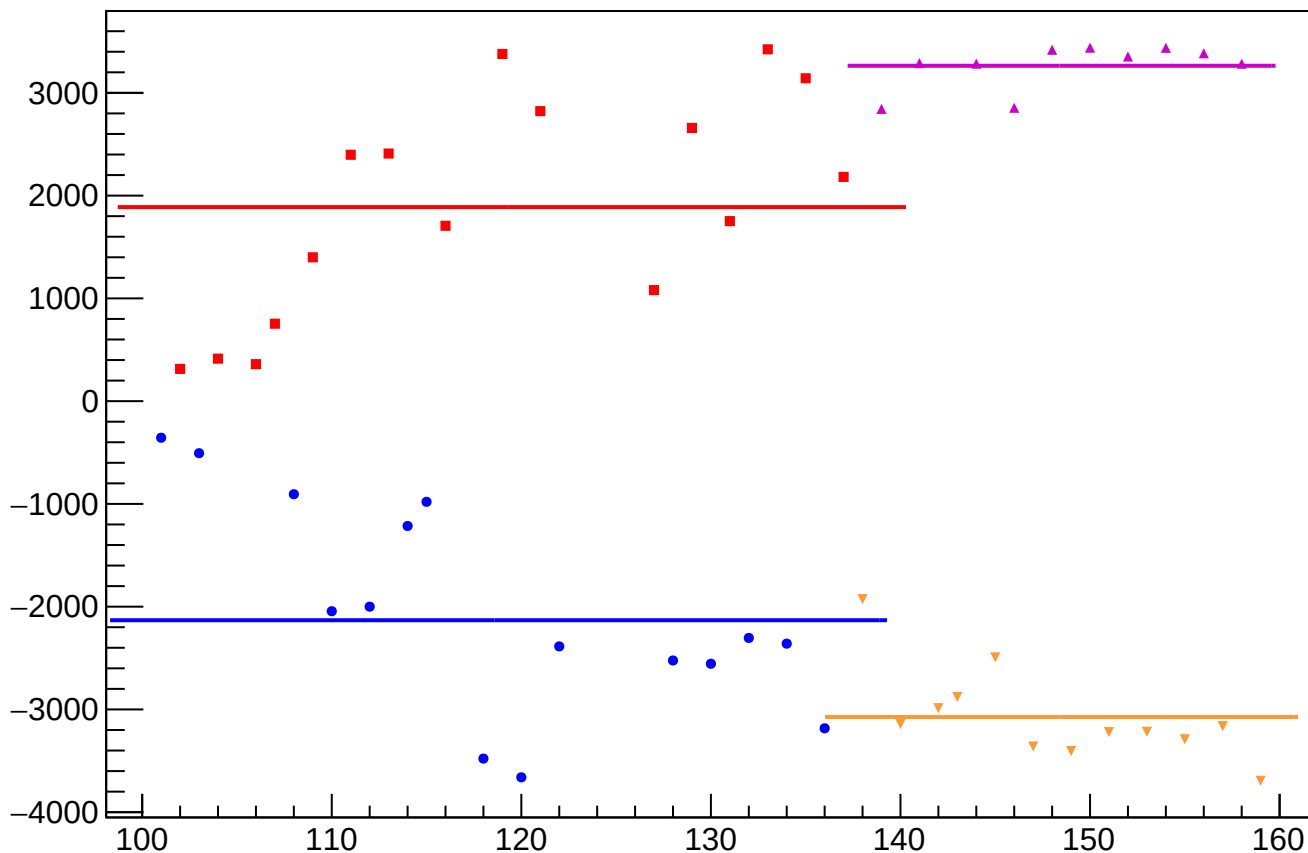
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -267.604+/-0.000 χ^2/NDF : 1938704977440096

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

All: 6.896+/-0.000 χ^2/NDF : 40611106000890

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: 3263.719+/-0.000

χ^2/NDF : 722433384570495071131450661983670501376.0/14

χ^2/NDF : 187385582436852783779369611000994070528.0/11

χ^2/NDF : 791986665551980691032719862611769819136.0/15

χ^2/NDF : 37711371429983935983335055696160882688.0/9

Left: -25.109+/-0.000 χ^2/NDF : 1794120653771041

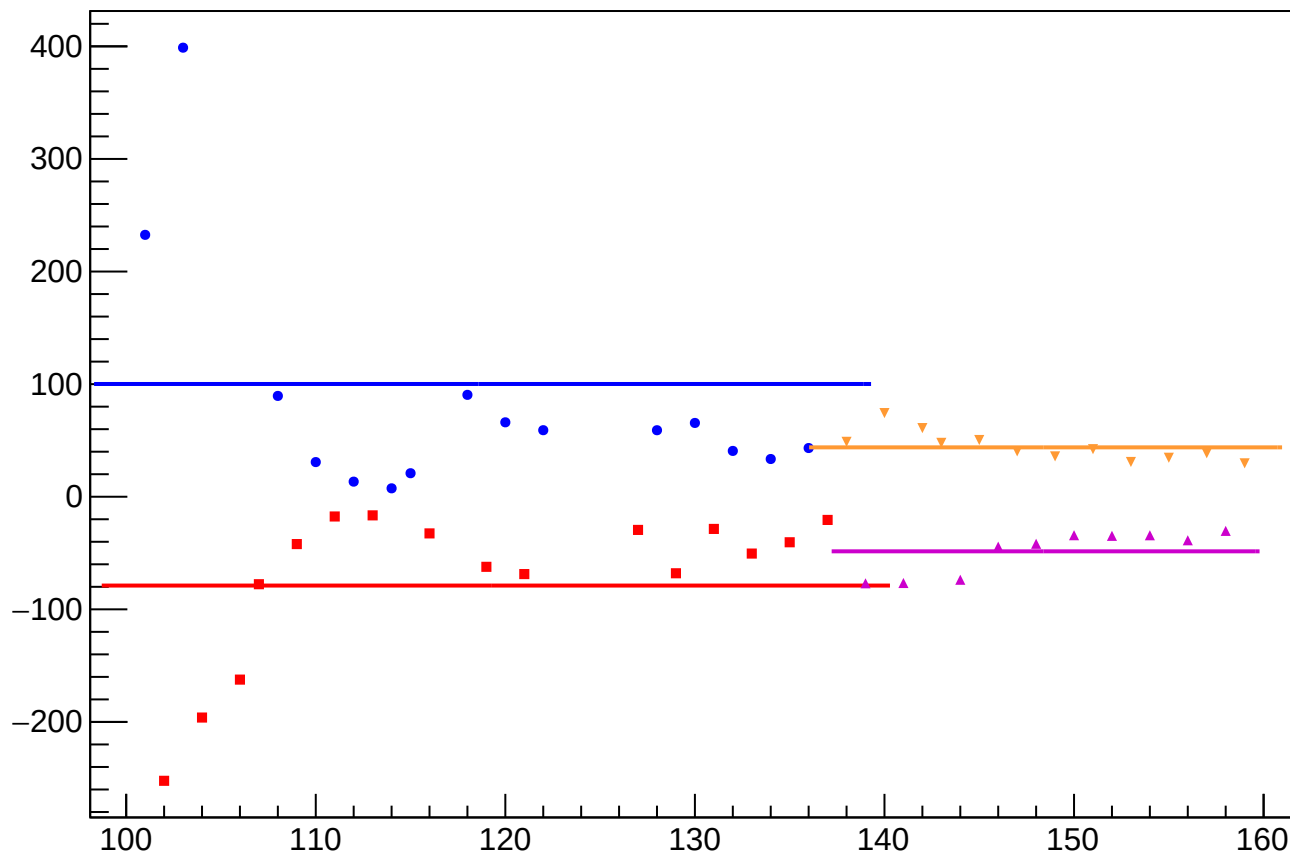
Right: -94.234+/-0.000 χ^2/NDF : 683113062504059

In: 927.655+/-0.000 χ^2/NDF : 11473989499256109

Out: -984.175+/-0.000 χ^2/NDF : 104869294967123

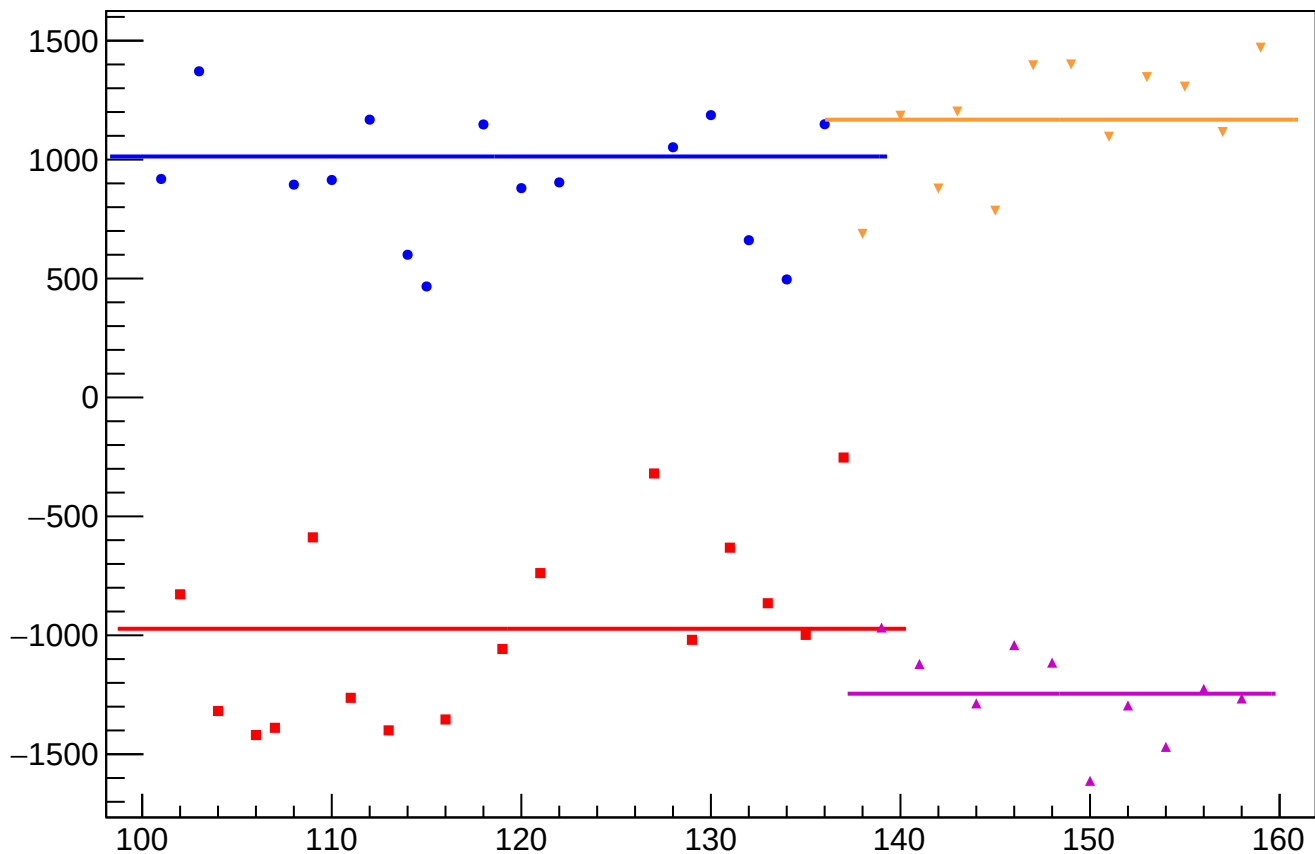
All: -54.615+/-0.000 χ^2/NDF : 247759412090

dit_sam8_coil6_err_mean vs Slug, Sign Corrected



Right In: 100.135+/-0.000 χ^2/NDF : 7813910768784473081480373577053110272.0/14
 Left Out: 43.850+/-0.000 χ^2/NDF : 141916966921802590982612264966684672.0/11
 Right Out: -78.881+/-0.000 χ^2/NDF : 3525129078433901202304301512966275072.0/15
 Left In: -48.482+/-0.000 χ^2/NDF : 282054475272741310855295573421981696.0/9
 All: 3.690+/-0.000 χ^2/NDF : 26140014268537

dit_sam8_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: -1245.495+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29584355694802852002513400503568695296.0/9

Left: 6.995+/-0.000 χ^2/NDF : 26536151165894083

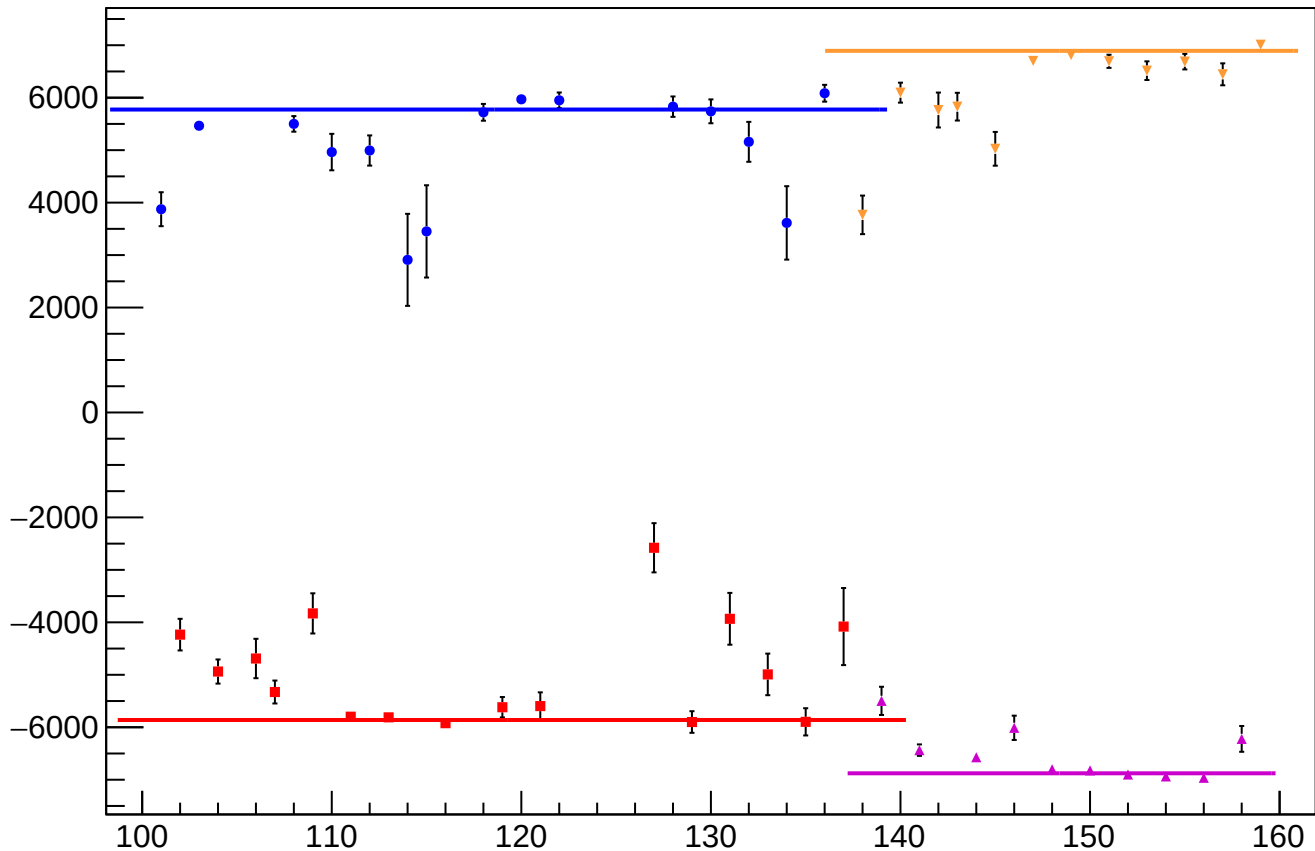
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -267.604+/-0.000 χ^2/NDF : 1938704977440096

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

All: 6.896+/-0.000 χ^2/NDF : 40611106000890

dit_run_mean vs Slug, Sign Corrected



Right In: 5774.117 ± 0.181 $\chi^2/\text{NDF}: 1828526.5/14$

Left Out: 6892.763 ± 0.240 $\chi^2/\text{NDF}: 163987.5/11$

Right Out: -5861.461 ± 0.140 $\chi^2/\text{NDF}: 180020.4/15$

Left In: -6877.525 ± 0.173 $\chi^2/\text{NDF}: 152467.3/9$

Left: -2170.623 ± 0.140 $\chi^2/\text{NDF}: 2174525865.6/21$

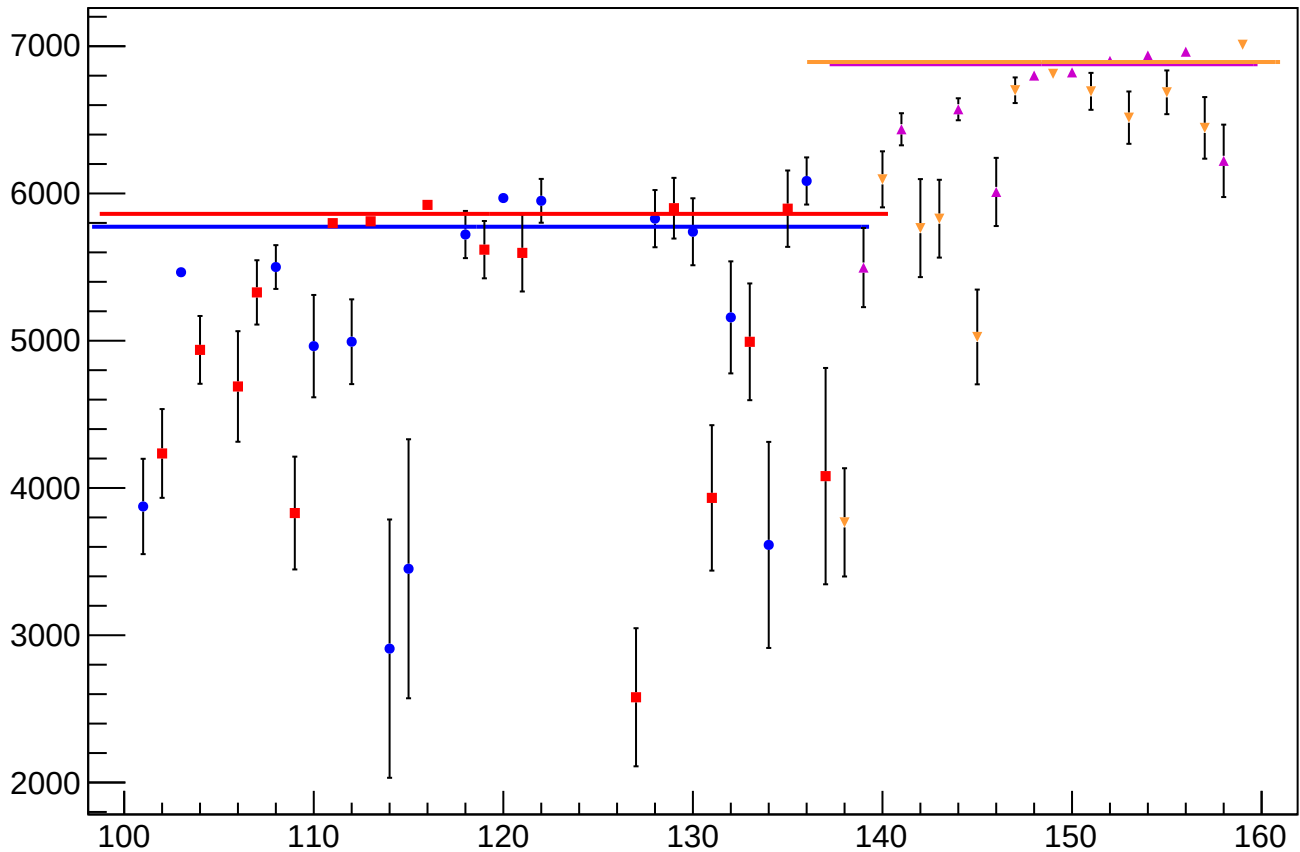
Right: -1536.191 ± 0.111 $\chi^2/\text{NDF}: 2585354230.9/30$

In: -865.806 ± 0.125 $\chi^2/\text{NDF}: 2553323707.0/24$

Out: -2629.719 ± 0.121 $\chi^2/\text{NDF}: 2116131620.9/27$

All: -1779.914 ± 0.087 $\chi^2/\text{NDF}: 4772513340$

dit_run_rms vs Slug, Sign Corrected



Right In: 5774.117 $\pm$ 0.181 χ^2 /NDF: 1828526.5/14

Left Out: 6892.763 $\pm$ 0.240 χ^2 /NDF:163987.5/11

Right Out: 5861.461 $\pm$ 0.140 χ^2 /NDF: 180020.4/15

Left In: 6877.525 $\pm$ 0.173 χ^2 /NDF:152467.3/9

Left: 6882.733 $\pm$ 0.140 χ^2 /NDF: 319117.2/21

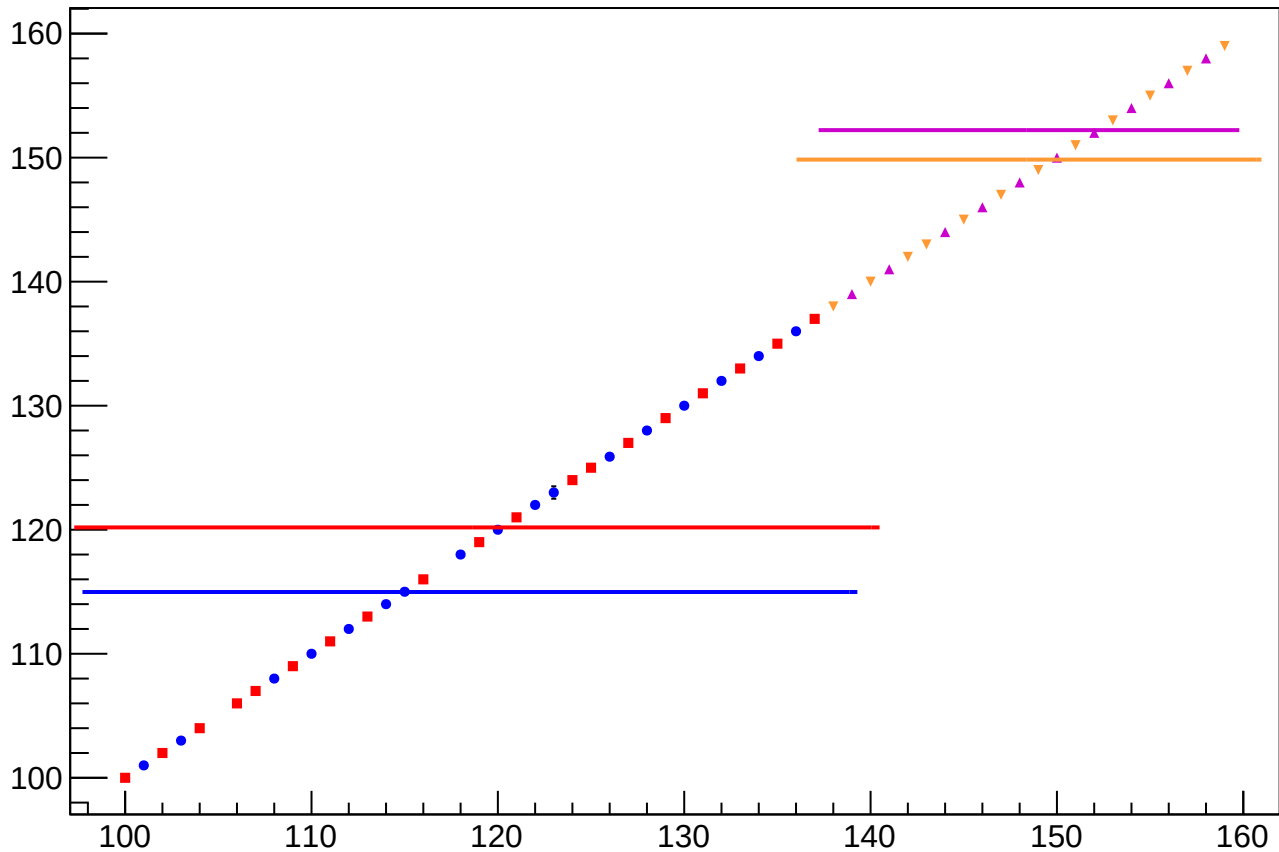
Right: 5828.993 $\pm$ 0.111 χ^2 /NDF: 2154118.4/30

In: 6353.215 $\pm$ 0.125 χ^2 /NDF:21387495.7/24

Out: 6122.778 $\pm$ 0.121 χ^2 /NDF:14177612.0/27

All: 6233.796 $\pm$ 0.087 χ^2 /NDF: 37323962.8/5

dit_slug_slope vs Slug, Sign Corrected



Right In: 114.980 +/- 0.000

χ^2/NDF : 112344936246012934714934440230912.0/16

Left Out: 149.841 +/- 0.000

χ^2/NDF : 19477827177483799819625103884288.0/11

Right Out: 120.186 +/- 0.000

χ^2/NDF : 52233253644261695528198041763840.0/18

Left In: 152.217 +/- 0.000

χ^2/NDF : 13131625643598975517651864911872.0/9

Left: 151.316 +/- 0.000 χ^2/NDF : 3397563128571694

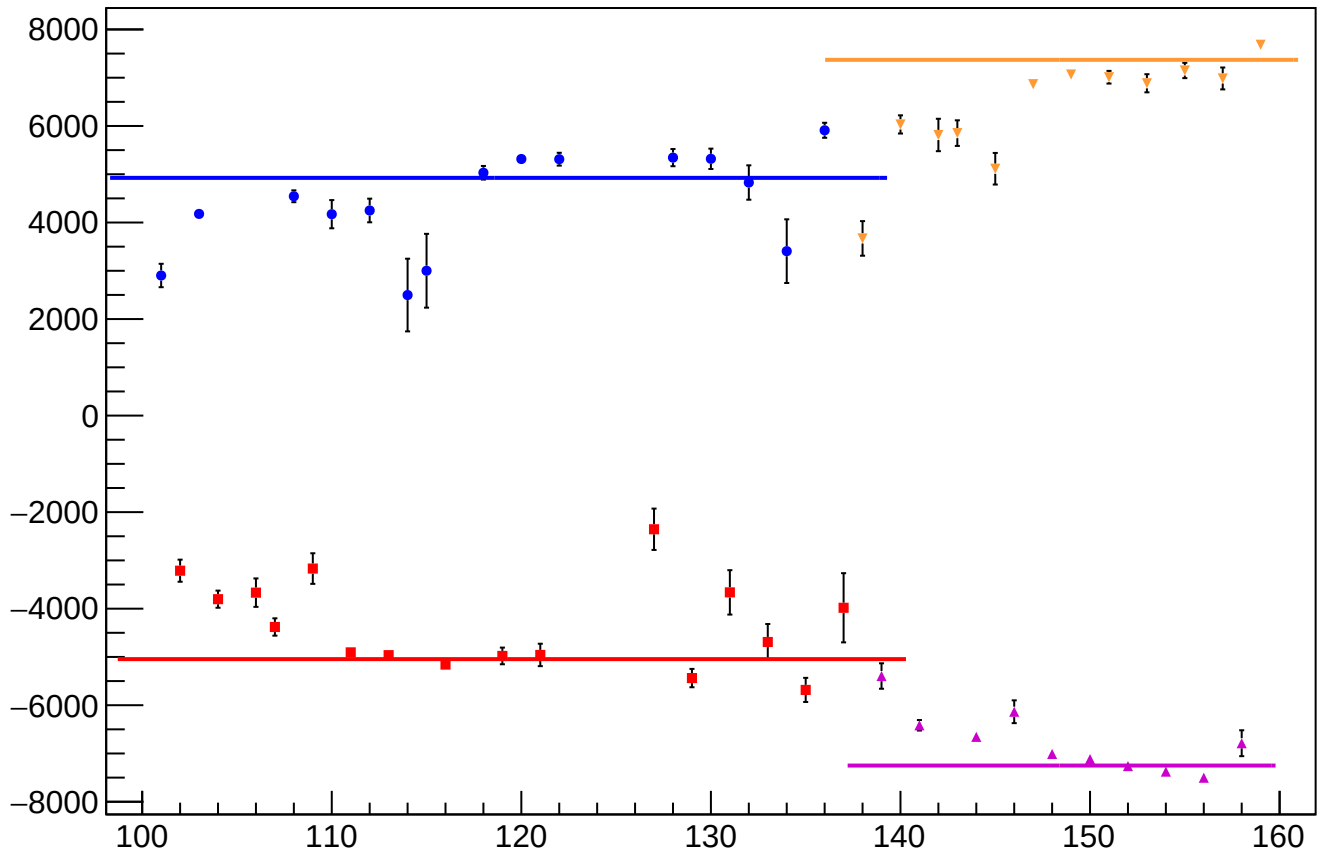
Right: 117.096 +/- 0.000 χ^2/NDF : 180832885295768

In: 126.214 +/- 0.000 χ^2/NDF : 74280057434918907

Out: 128.446 +/- 0.000 χ^2/NDF : 3191303030674862

All: 127.104 +/- 0.000 χ^2/NDF : 106612330003

dit_cyclenum_mean vs Slug, Sign Corrected



Right In: 4925.305+/-0.939 χ^2/NDF : 330994.6/14

Left Out: 7370.927+/-1.051 χ^2/NDF :86199.2/11

Right Out: -5045.221+/-0.668 χ^2/NDF : 30179.9/15

Left In: -7250.103+/-0.766 χ^2/NDF :51706.1/9

Left: -2182.965+/-0.619 χ^2/NDF : 126567899.5/21

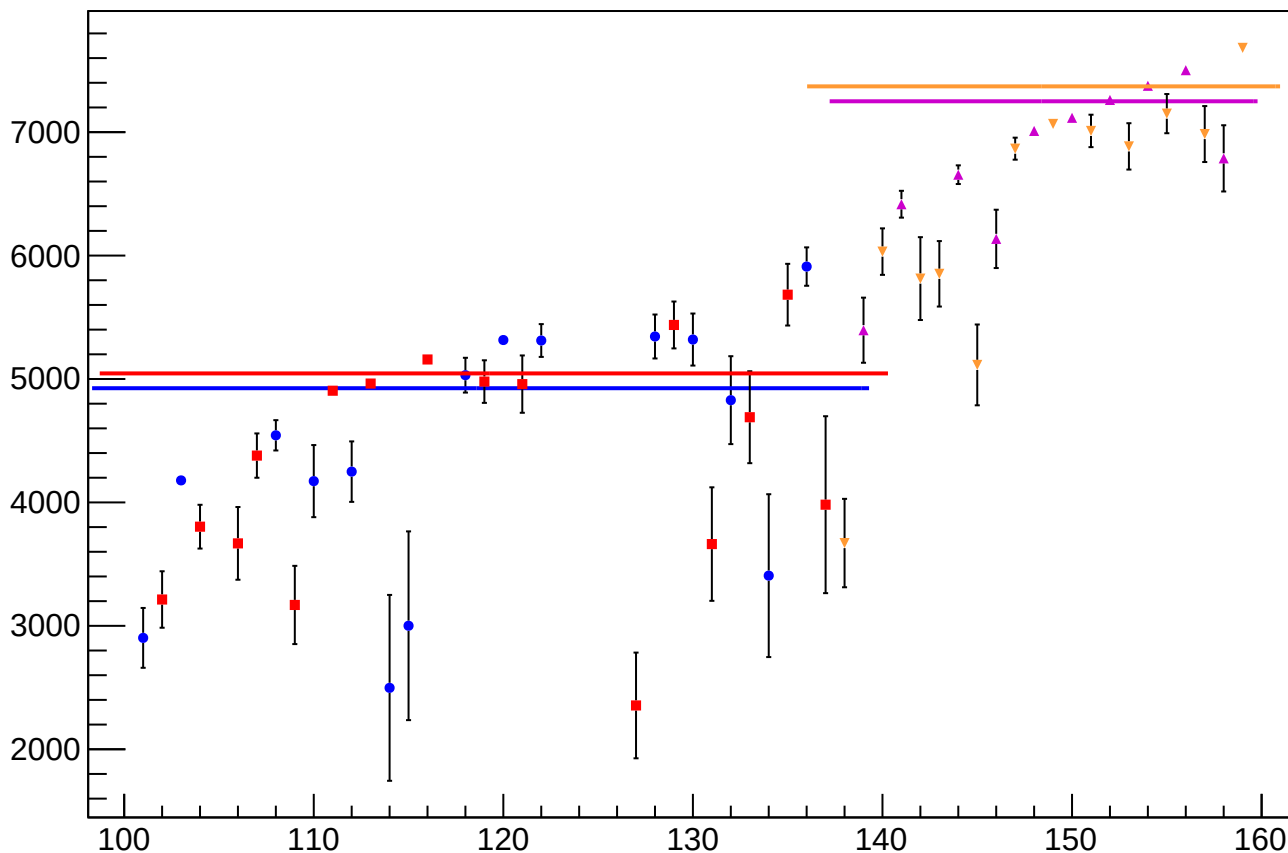
Right: -1694.510+/-0.544 χ^2/NDF : 75266282.5/30

In: -2387.142+/-0.593 χ^2/NDF :101422795.7/24

Out: -1474.510+/-0.564 χ^2/NDF :99519035.5/27

All: -1907.524+/-0.409 χ^2/NDF : 202185549.0

dit_cyclenum_rms vs Slug, Sign Corrected



Right In: 4925.305 $\pm$ 0.939 χ^2 /NDF: 330994.6/14

Left Out: 7370.927 $\pm$ 1.051 χ^2 /NDF:86199.2/11

Right Out: 5045.221 $\pm$ 0.668 χ^2 /NDF: 30179.9/15

Left In: 7250.103 $\pm$ 0.766 χ^2 /NDF:51706.1/9

Left: 7291.976 $\pm$ 0.619 χ^2 /NDF: 146539.1/21

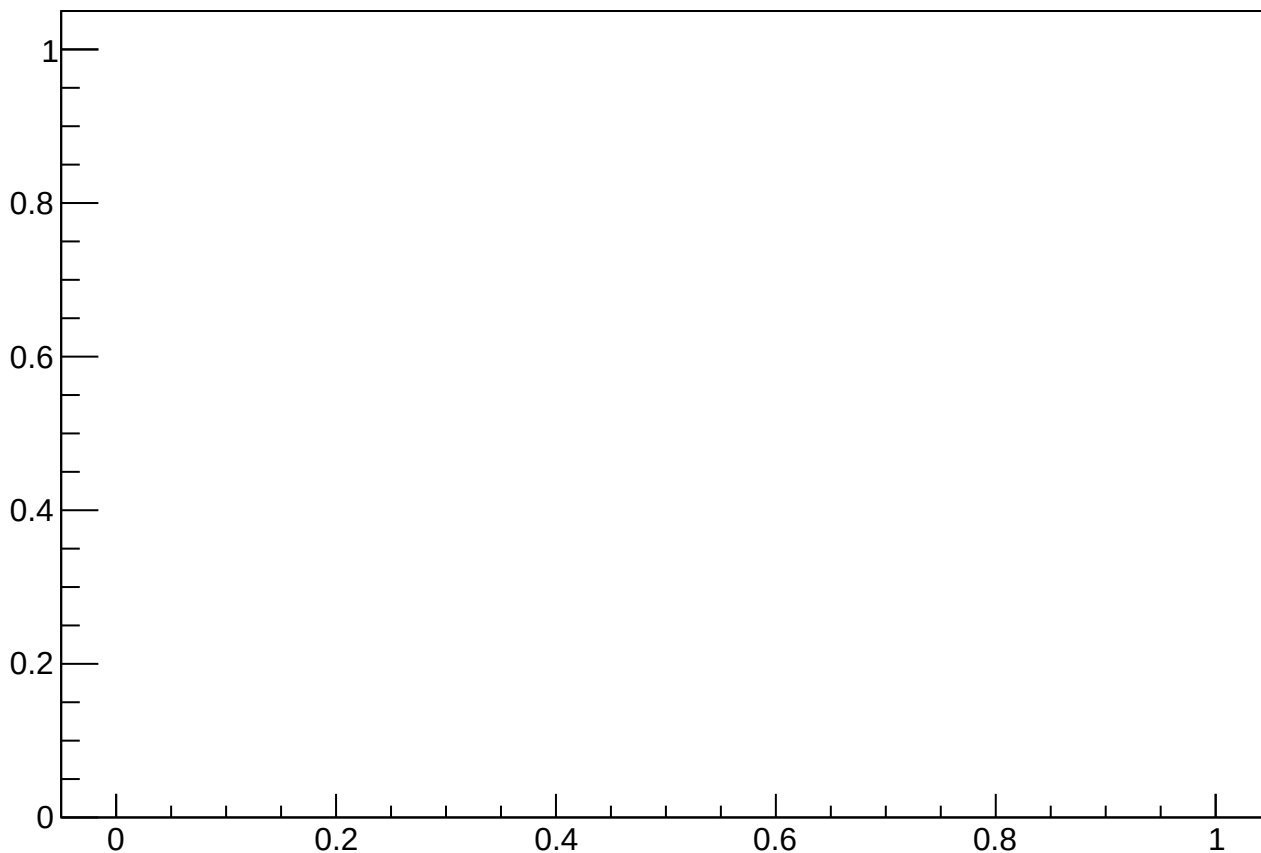
Right: 5004.922 $\pm$ 0.544 χ^2 /NDF: 372009.4/30

In: 6321.559 $\pm$ 0.593 χ^2 /NDF:4066507.8/24

Out: 5714.062 $\pm$ 0.564 χ^2 /NDF:3604035.9/27

All: 6002.299 $\pm$ 0.409 χ^2 /NDF: 8221629.1/52

dit_scandata1_mean vs Slug, Sign Corrected



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

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

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

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

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

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

In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

dit_scandata1_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

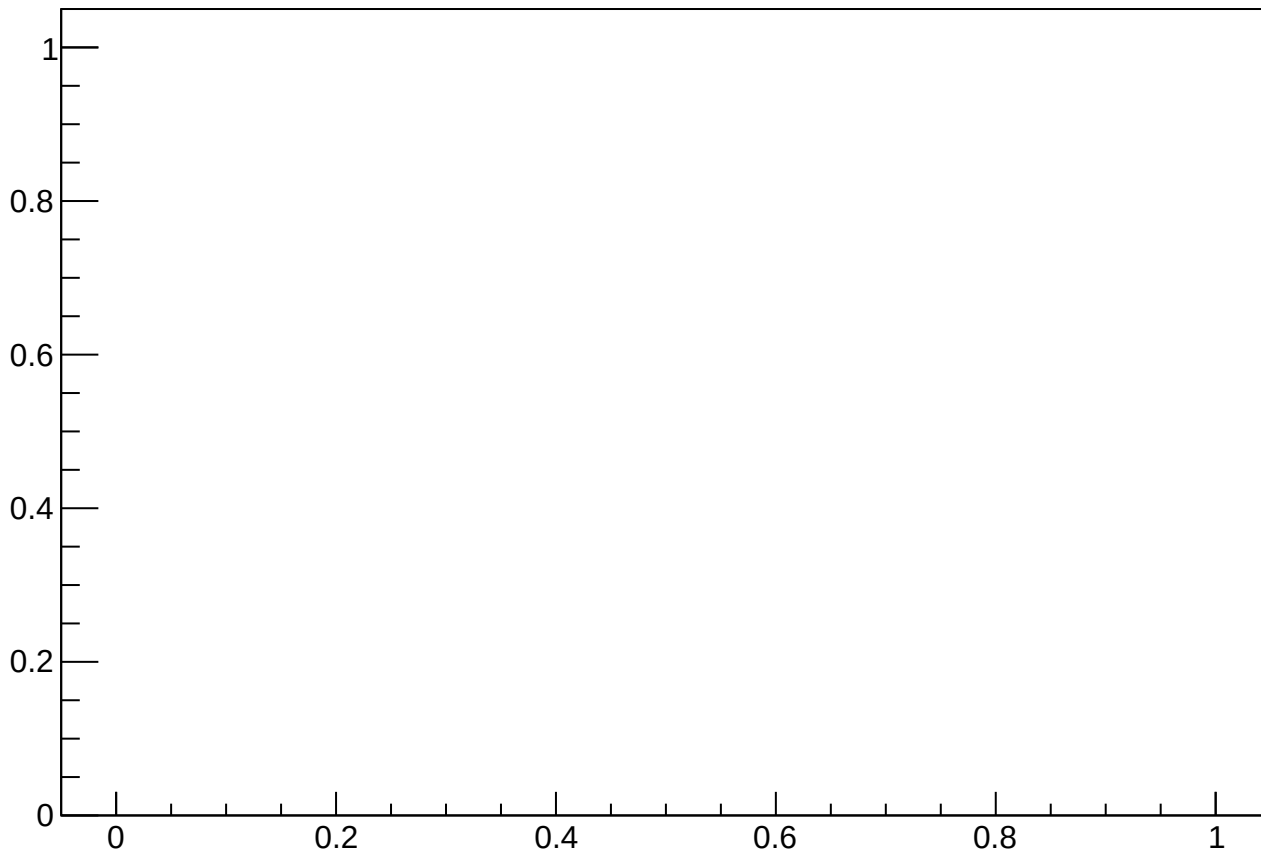
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

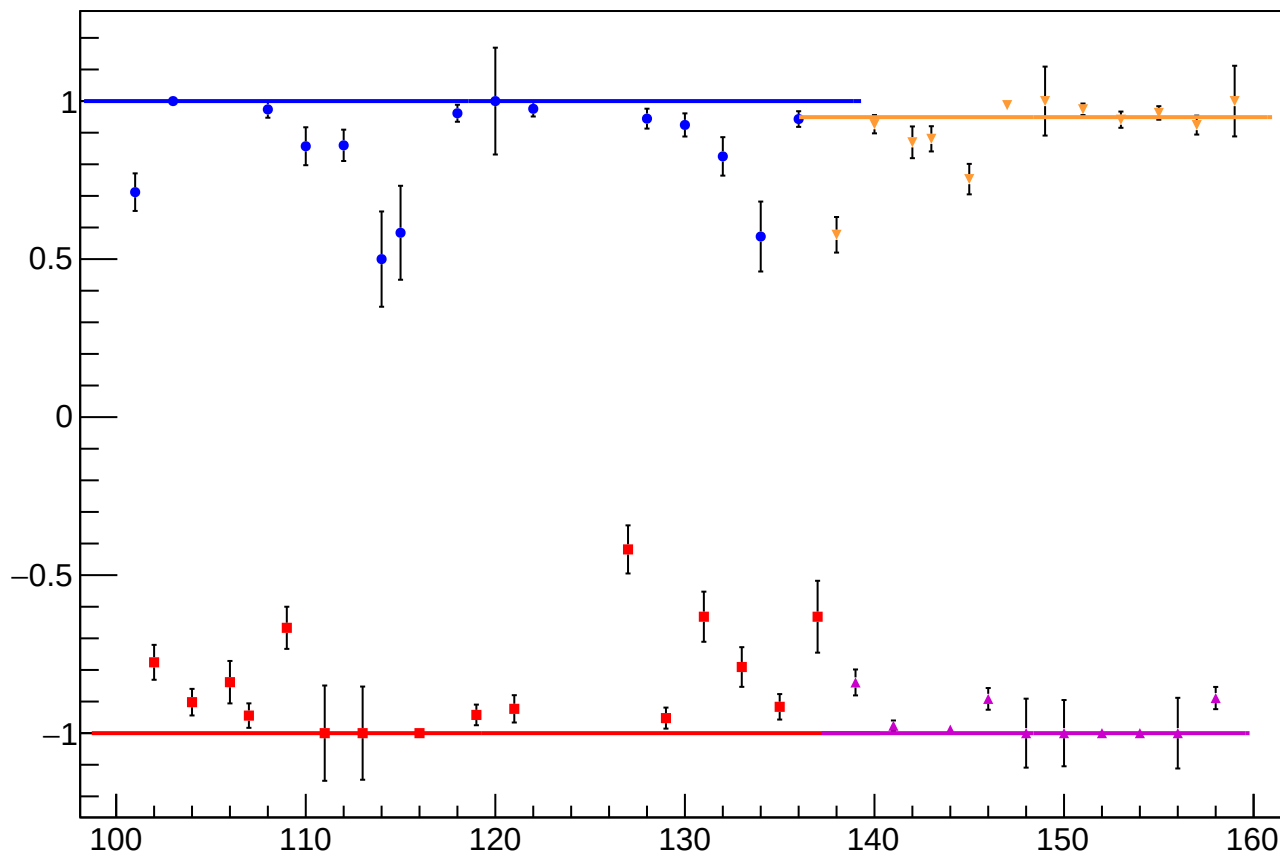
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_flag_mean vs Slug, Sign Corrected



Right In: 1.000 ± 0.000 $\chi^2/\text{NDF}: 95.9/14$

Left Out: 0.949 ± 0.008 $\chi^2/\text{NDF}: 78.6/11$

Right Out: -1.000 ± 0.000 $\chi^2/\text{NDF}: 168.9/15$

Left In: -1.000 ± 0.000 $\chi^2/\text{NDF}: 382.3/9$

Left: -1.000 ± 0.000 $\chi^2/\text{NDF}: 65178.5/21$

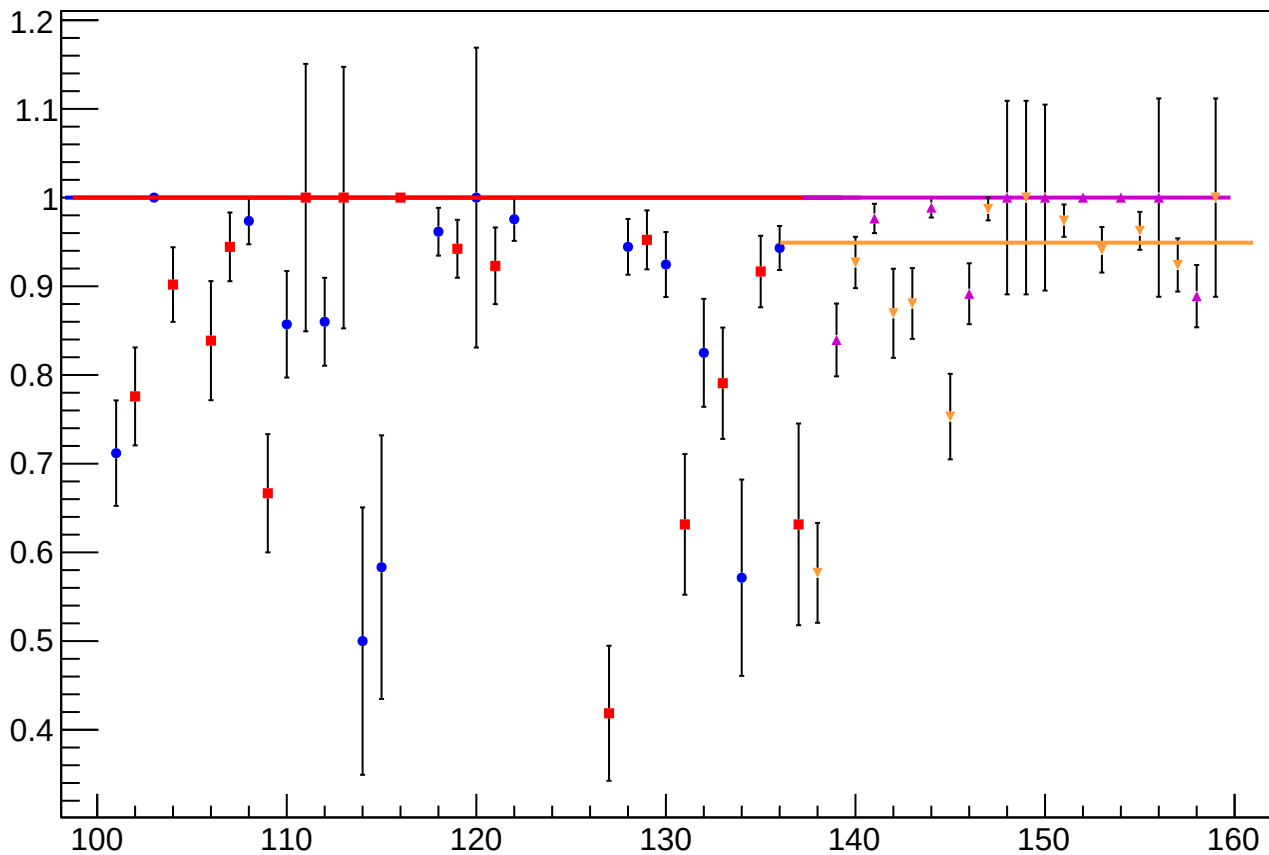
Right: 0.398 ± 0.000 $\chi^2/\text{NDF}: 14173250084479480$

In: -0.500 ± 0.000 $\chi^2/\text{NDF}: 352913927103539123$

Out: -1.000 ± 0.000 $\chi^2/\text{NDF}: 64965.1/27$

All: -0.549 ± 0.000 $\chi^2/\text{NDF}: 3643573099538$

dit_flag_rms vs Slug, Sign Corrected



Right In: 1.000 $\pm$ 0.000 χ^2 /NDF: 95.9/14

Left Out: 0.949 $\pm$ 0.008 χ^2 /NDF:78.6/11

Right Out: 1.000 $\pm$ 0.000 χ^2 /NDF: 168.9/15

Left In: 1.000 $\pm$ 0.000 χ^2 /NDF:382.3/9

Left: 1.000 $\pm$ 0.000 χ^2 /NDF: 504.8/21

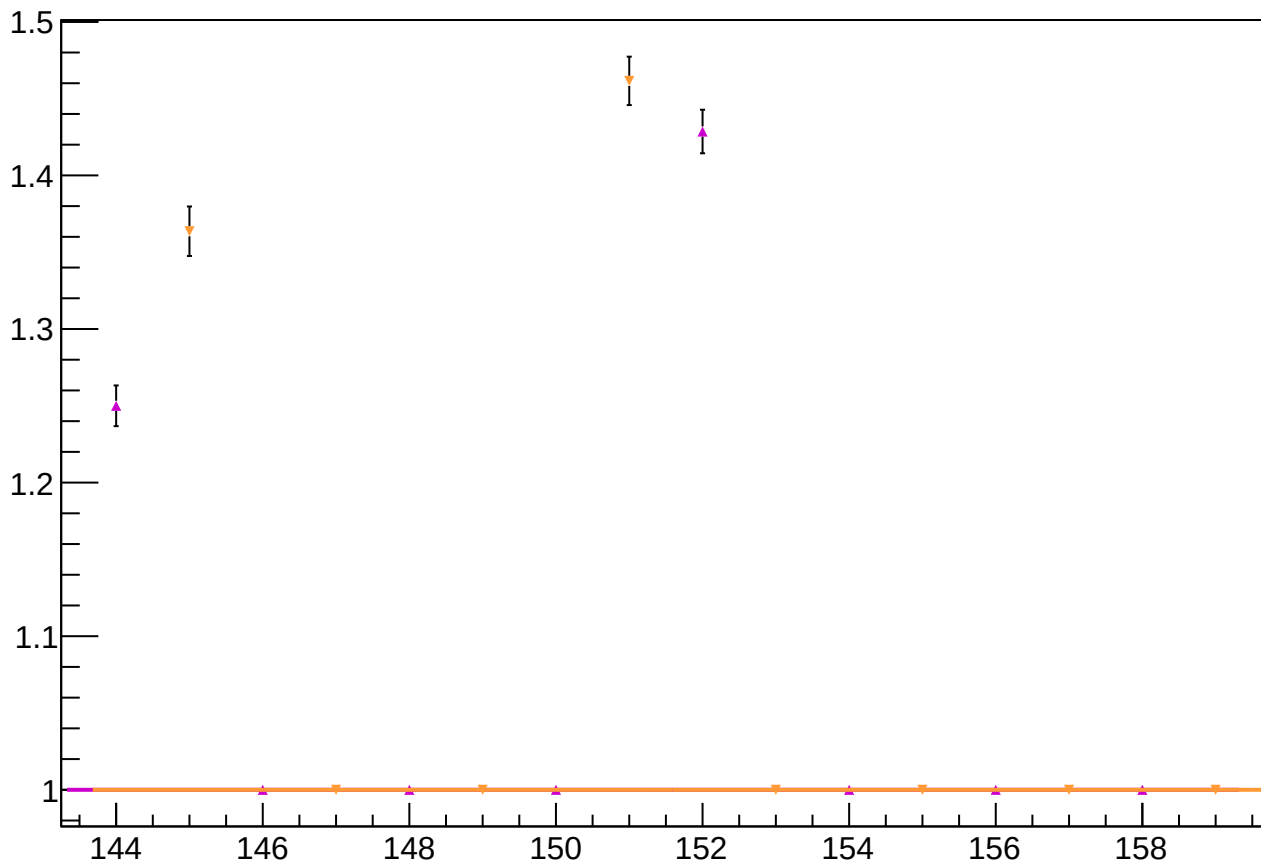
Right: 1.000 $\pm$ 0.000 χ^2 /NDF: 347.8/30

In: 1.000 $\pm$ 0.000 χ^2 /NDF:478.2/24

Out: 1.000 $\pm$ 0.000 χ^2 /NDF:291.4/27

All: 1.000 $\pm$ 0.000 χ^2 /NDF: 769.6/52

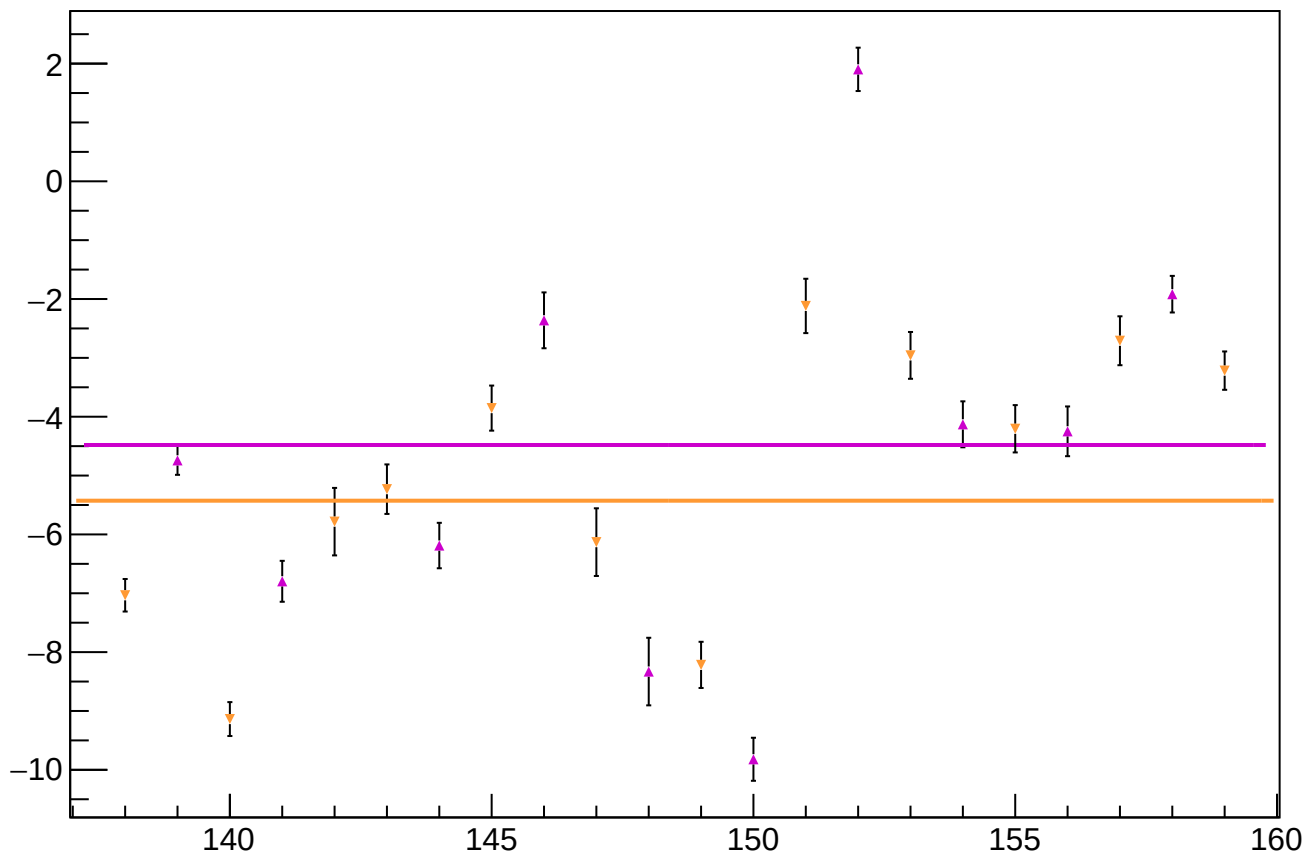
dit_segment_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 1.000+/-0.000 χ^2/NDF :2661.5/7
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 1.000+/-0.000 χ^2/NDF :1775.5/7

Left: 1.000+/-0.000 χ^2/NDF : 3629.6/15
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
In: 1.000+/-0.000 χ^2/NDF :1775.5/7
Out: 1.000+/-0.000 χ^2/NDF :2661.5/7
All: 1.000+/-0.000 χ^2/NDF : 3629.6/15

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -5.427 ± 0.110 χ^2/NDF : 457.1/11

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -4.481 ± 0.114 χ^2/NDF : 712.5/9

Left: -4.972 ± 0.079 χ^2/NDF : 1205.1/21

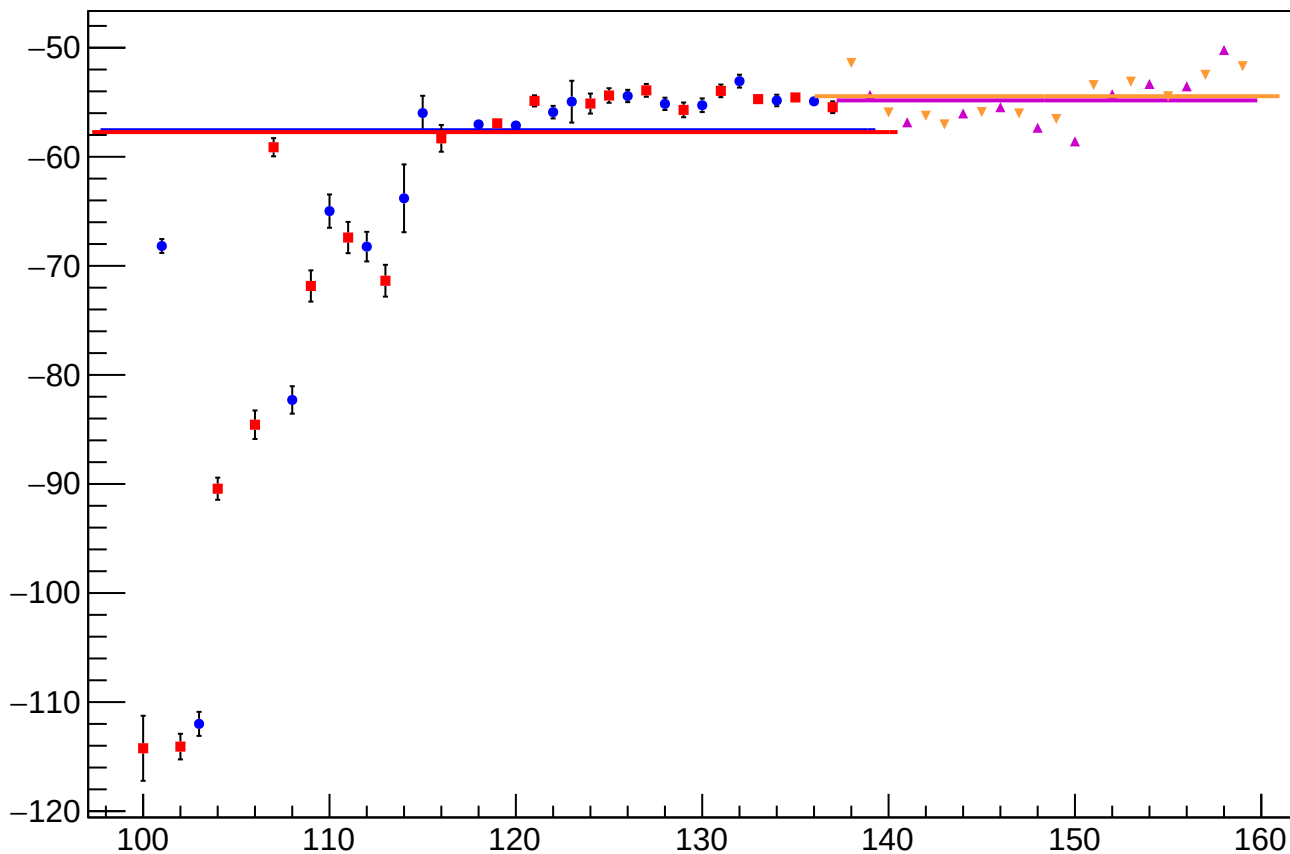
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -4.481 ± 0.114 χ^2/NDF : 712.5/9

Out: -5.427 ± 0.110 χ^2/NDF : 457.1/11

All: -4.972 ± 0.079 χ^2/NDF : 1205.1/21

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.563 $\pm$ 0.141 χ^2 /NDF: 3455.9/16

Left Out: -54.444 $\pm$ 0.081 χ^2 /NDF: 578.5/11

Right Out: -57.736 $\pm$ 0.143 χ^2 /NDF: 4698.4/18

Left In: -54.828 $\pm$ 0.087 χ^2 /NDF: 905.6/9

Left: -54.622 $\pm$ 0.059 χ^2 /NDF: 1494.6/21

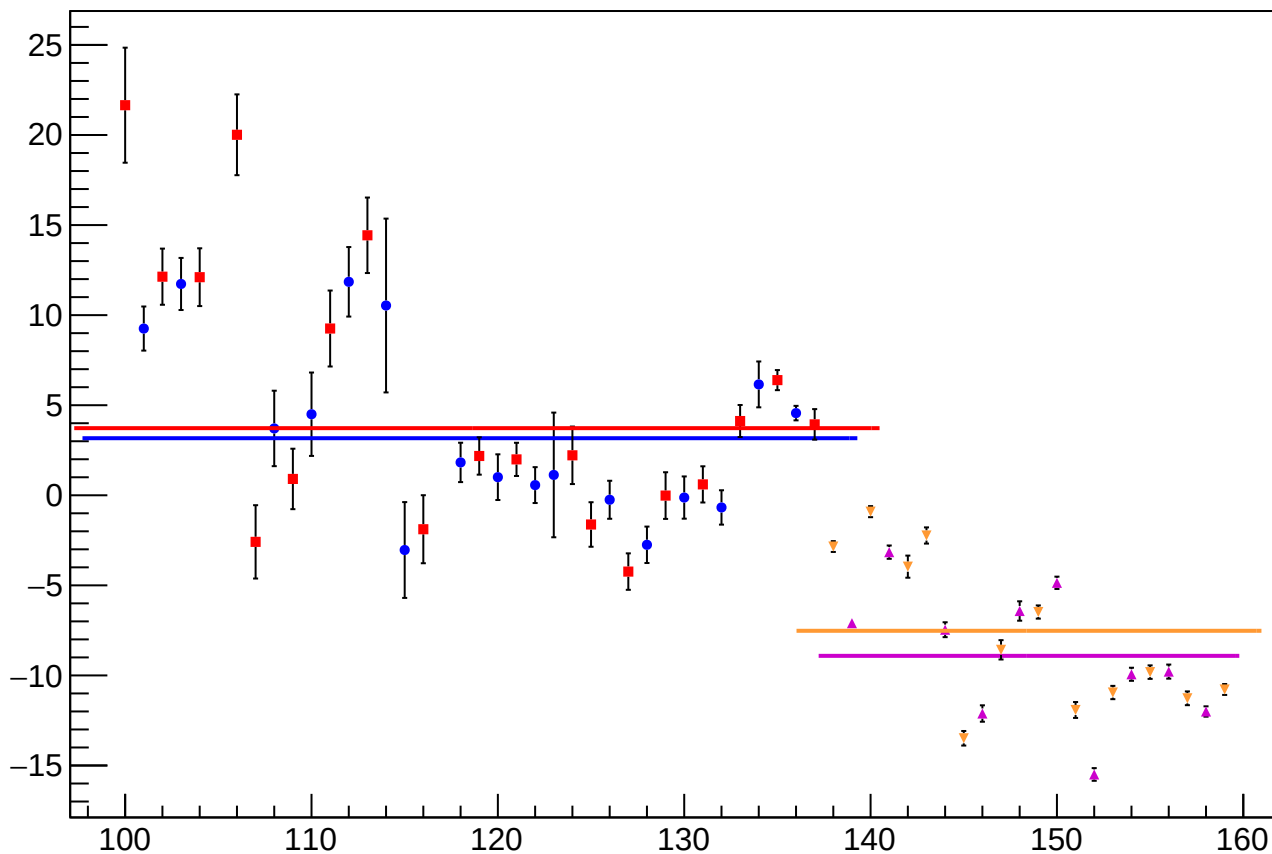
Right: -57.649 $\pm$ 0.101 χ^2 /NDF: 8155.1/35

In: -55.576 $\pm$ 0.074 χ^2 /NDF: 4633.2/26

Out: -55.239 $\pm$ 0.070 χ^2 /NDF: 5678.7/30

All: -55.399 $\pm$ 0.051 χ^2 /NDF: 10322.8/57

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.168 ± 0.258 $\chi^2/\text{NDF}: 186.2/16$

Left Out: -7.522 ± 0.109 $\chi^2/\text{NDF}: 1544.0/11$

Right Out: 3.726 ± 0.267 $\chi^2/\text{NDF}: 323.3/18$

Left In: -8.913 ± 0.113 $\chi^2/\text{NDF}: 990.0/9$

Left: -8.195 ± 0.079 $\chi^2/\text{NDF}: 2612.3/21$

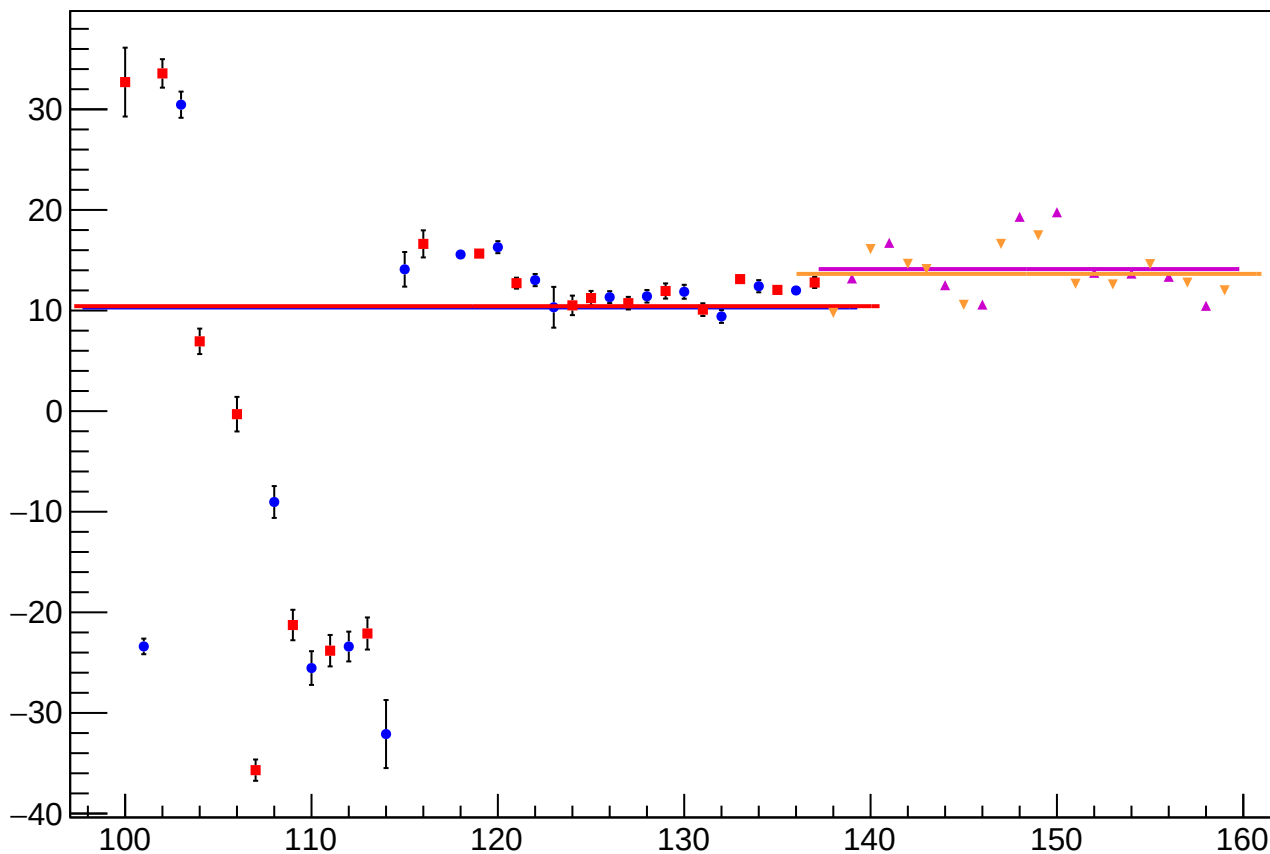
Right: 3.437 ± 0.185 $\chi^2/\text{NDF}: 511.7/35$

In: -6.967 ± 0.103 $\chi^2/\text{NDF}: 3019.4/26$

Out: -5.908 ± 0.101 $\chi^2/\text{NDF}: 3386.4/30$

All: -6.426 ± 0.072 $\chi^2/\text{NDF}: 6459.3/57$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.306 $\pm$ 0.157 χ^2 /NDF: 3712.3/16

Left Out: 13.644 $\pm$ 0.094 χ^2 /NDF:572.1/11

Right Out: 10.433 $\pm$ 0.160 χ^2 /NDF: 3828.5/18

Left In: 14.121 $\pm$ 0.100 χ^2 /NDF:1017.0/9

Left: 13.868 $\pm$ 0.069 χ^2 /NDF: 1601.2/21

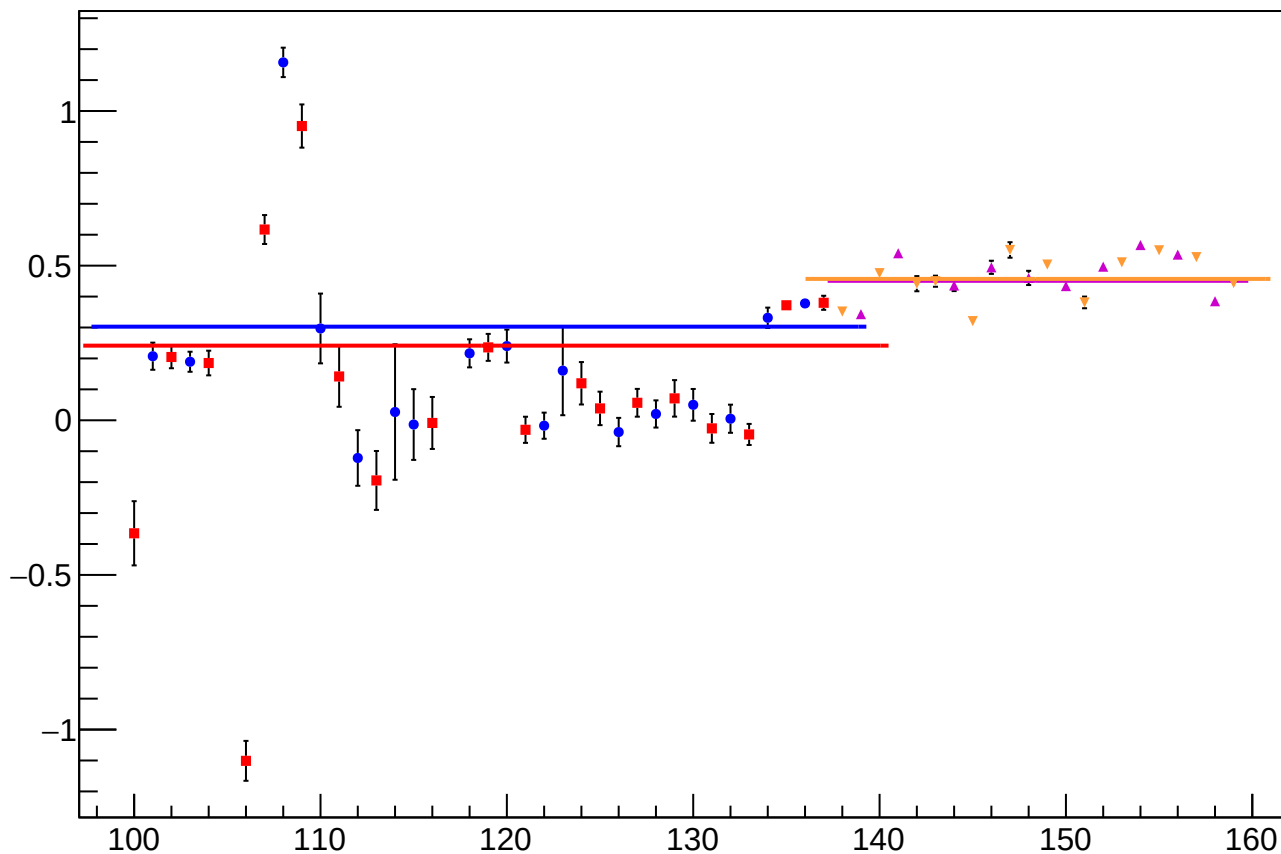
Right: 10.368 $\pm$ 0.112 χ^2 /NDF: 7541.1/35

In: 13.015 $\pm$ 0.084 χ^2 /NDF:5149.8/26

Out: 12.816 $\pm$ 0.081 χ^2 /NDF:4699.8/30

All: 12.911 $\pm$ 0.059 χ^2 /NDF: 9852.5/57

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.6/16

Left Out: 0.457 ± 0.004 χ^2/NDF : 297.9/11

Right Out: 0.241 ± 0.008 χ^2/NDF : 986.7/18

Left In: 0.451 ± 0.004 χ^2/NDF : 351.2/9

Left: 0.454 ± 0.003 χ^2/NDF : 650.1/21

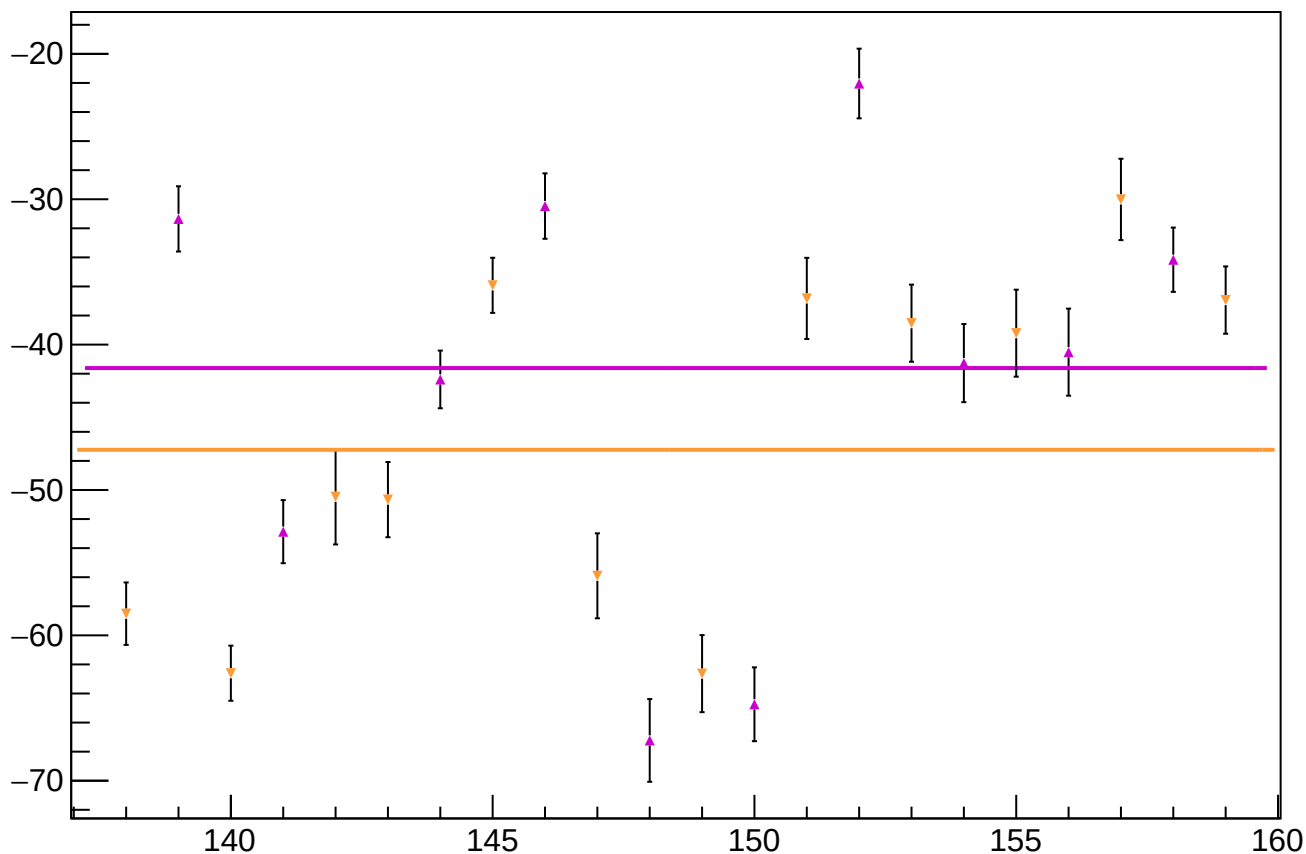
Right: 0.273 ± 0.006 χ^2/NDF : 1660.4/35

In: 0.419 ± 0.004 χ^2/NDF : 1254.7/26

Out: 0.415 ± 0.004 χ^2/NDF : 1803.2/30

All: 0.417 ± 0.003 χ^2/NDF : 3058.7/57

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -47.235+/-0.712 χ^2/NDF :263.8/11

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

Left In: -41.612+/-0.752 χ^2/NDF :314.6/9

Left: -44.575+/-0.517 χ^2/NDF : 607.8/21

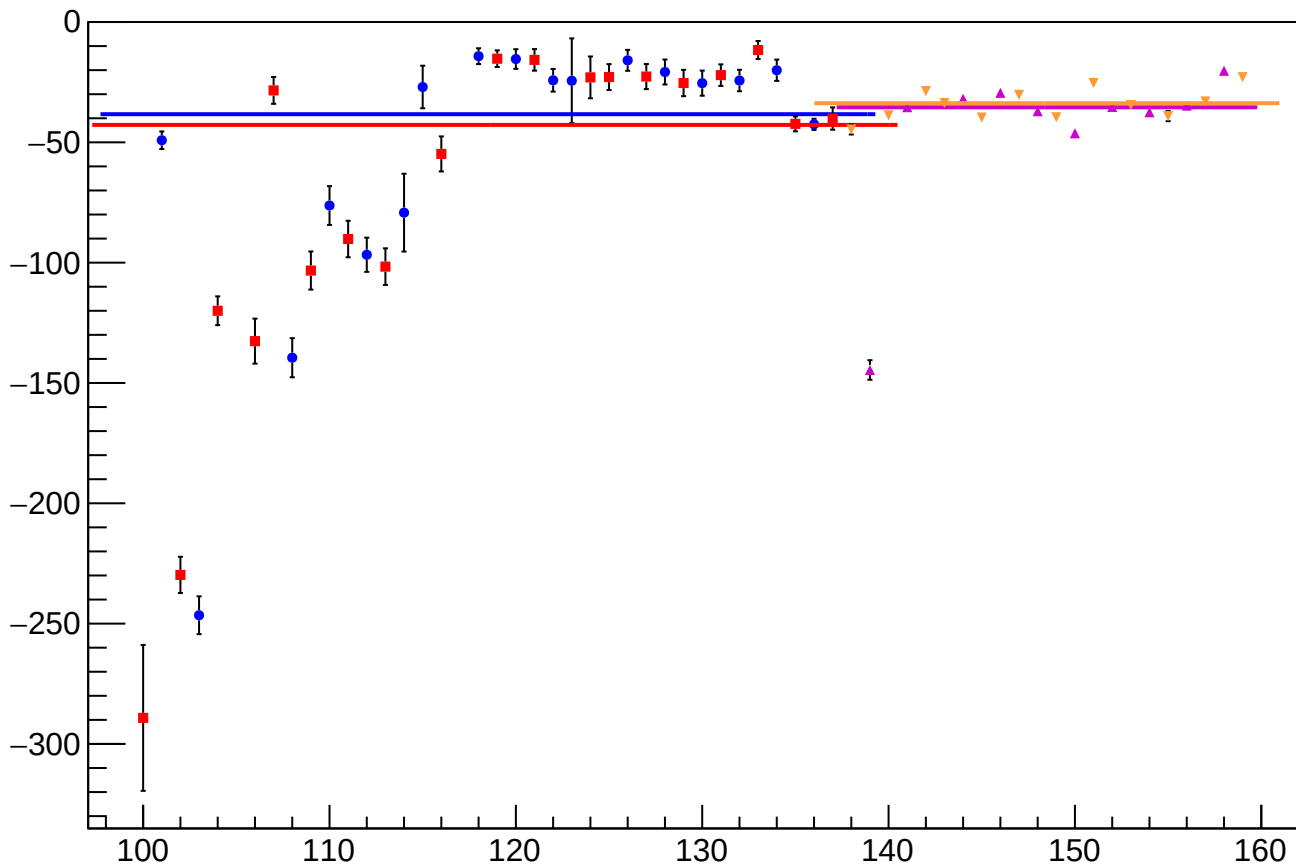
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -41.612+/-0.752 χ^2/NDF :314.6/9

Out: -47.235+/-0.712 χ^2/NDF :263.8/11

All: -44.575+/-0.517 χ^2/NDF : 607.8/21

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: -33.738 ± 0.498 $\chi^2/\text{NDF}: 155.9/11$

Right Out: -42.756 ± 1.211 $\chi^2/\text{NDF}: 1341.6/18$

Left In: -35.436 ± 0.524 $\chi^2/\text{NDF}: 886.6/9$

Left: -34.543 ± 0.361 $\chi^2/\text{NDF}: 1048.0/21$

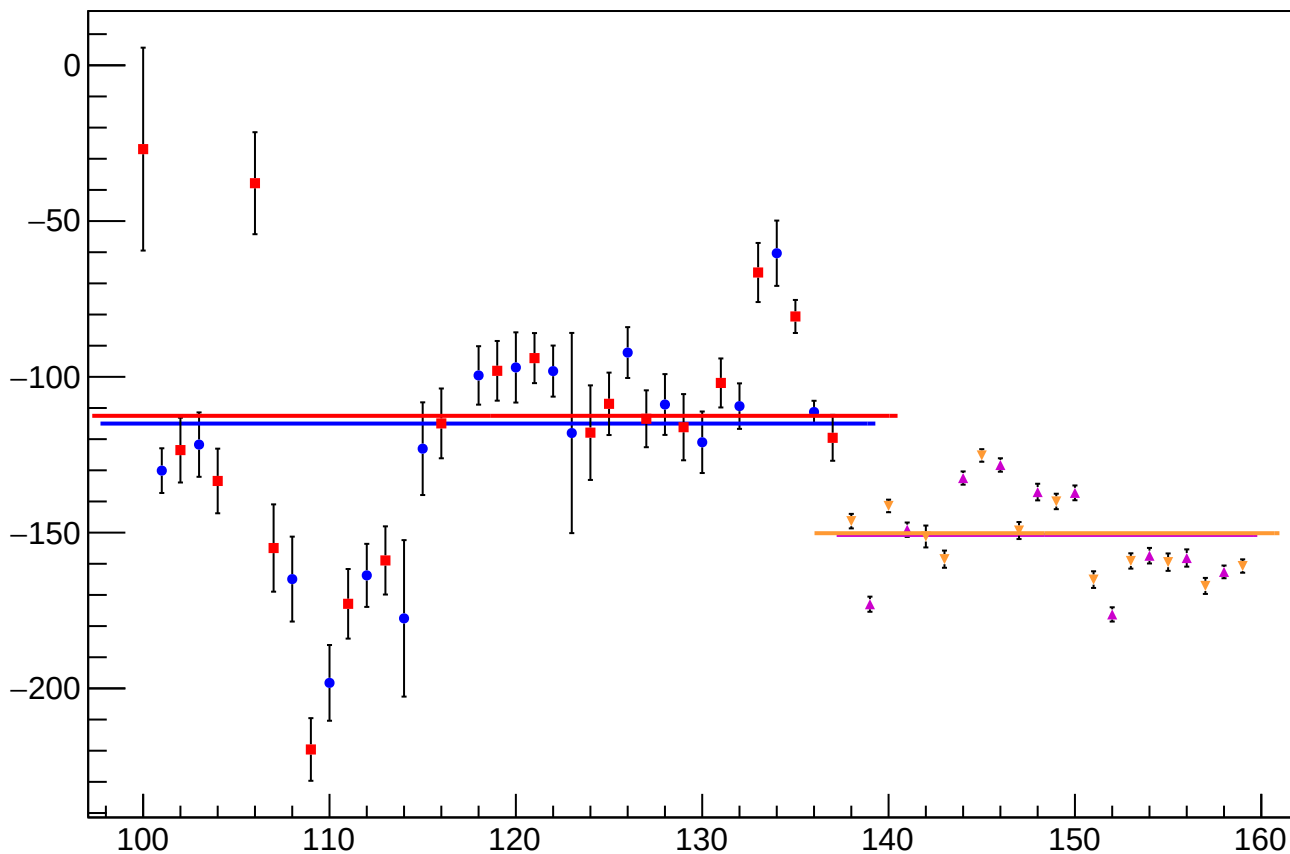
Right: -40.393 ± 0.829 $\chi^2/\text{NDF}: 2481.4/35$

In: -35.940 ± 0.476 $\chi^2/\text{NDF}: 2024.5/26$

Out: -35.042 ± 0.460 $\chi^2/\text{NDF}: 1544.9/30$

All: -35.476 ± 0.331 $\chi^2/\text{NDF}: 3571.3/57$

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: -150.187 ± 0.710 $\chi^2/\text{NDF}: 323.3/11$

Right Out: -112.510 ± 2.207 $\chi^2/\text{NDF}: 273.1/18$

Left In: -150.739 ± 0.739 $\chi^2/\text{NDF}: 497.1/9$

Left: -150.452 ± 0.512 $\chi^2/\text{NDF}: 820.7/21$

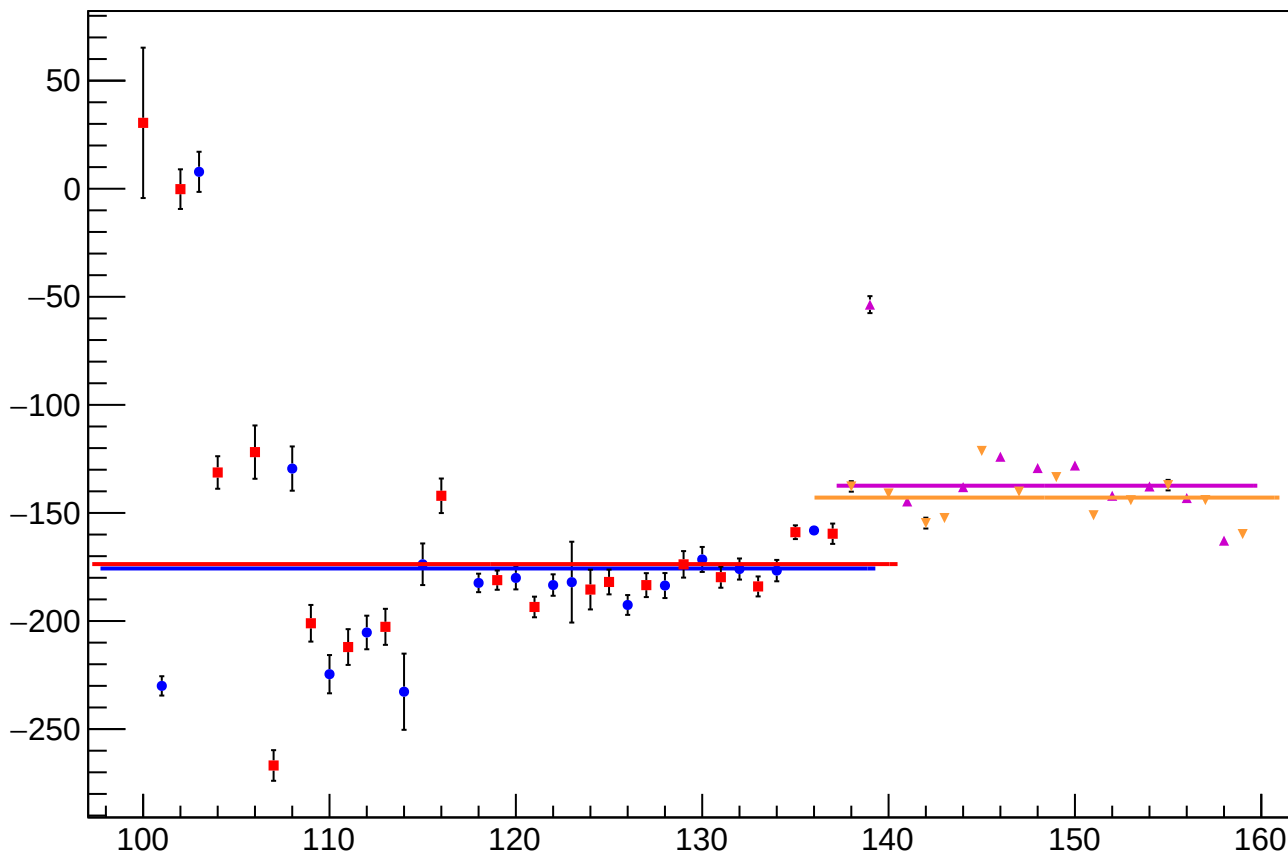
Right: -113.831 ± 1.511 $\chi^2/\text{NDF}: 415.6/35$

In: -146.707 ± 0.696 $\chi^2/\text{NDF}: 902.9/26$

Out: -146.656 ± 0.676 $\chi^2/\text{NDF}: 860.6/30$

All: -146.681 ± 0.485 $\chi^2/\text{NDF}: 1763.5/57$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.696+/-1.268 χ^2/NDF : 692.9/16

Left Out: -142.895+/-0.593 χ^2/NDF : 343.9/11

Right Out: -173.666+/-1.356 χ^2/NDF : 737.7/18

Left In: -137.397+/-0.623 χ^2/NDF : 833.7/9

Left: -140.282+/-0.430 χ^2/NDF : 1218.5/21

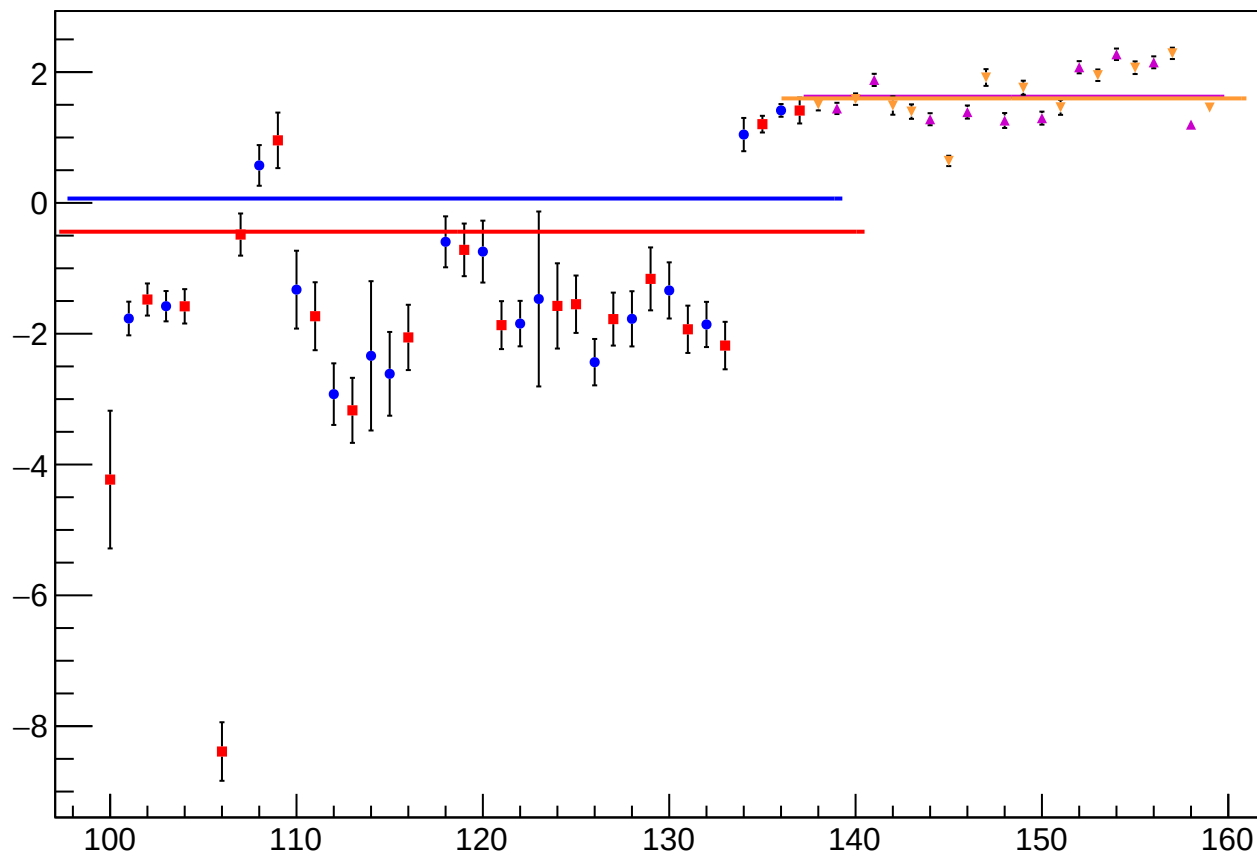
Right: -174.749+/-0.926 χ^2/NDF : 1431.8/35

In: -144.852+/-0.559 χ^2/NDF : 2261.9/26

Out: -147.835+/-0.543 χ^2/NDF : 1514.0/30

All: -146.387+/-0.390 χ^2/NDF : 3790.5/57

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.067 ± 0.067 χ^2/NDF : 526.1/16

Left Out: 1.598 ± 0.028 χ^2/NDF : 266.8/11

Right Out: -0.440 ± 0.071 χ^2/NDF : 754.9/18

Left In: 1.624 ± 0.029 χ^2/NDF : 197.4/9

Left: 1.610 ± 0.020 χ^2/NDF : 464.7/21

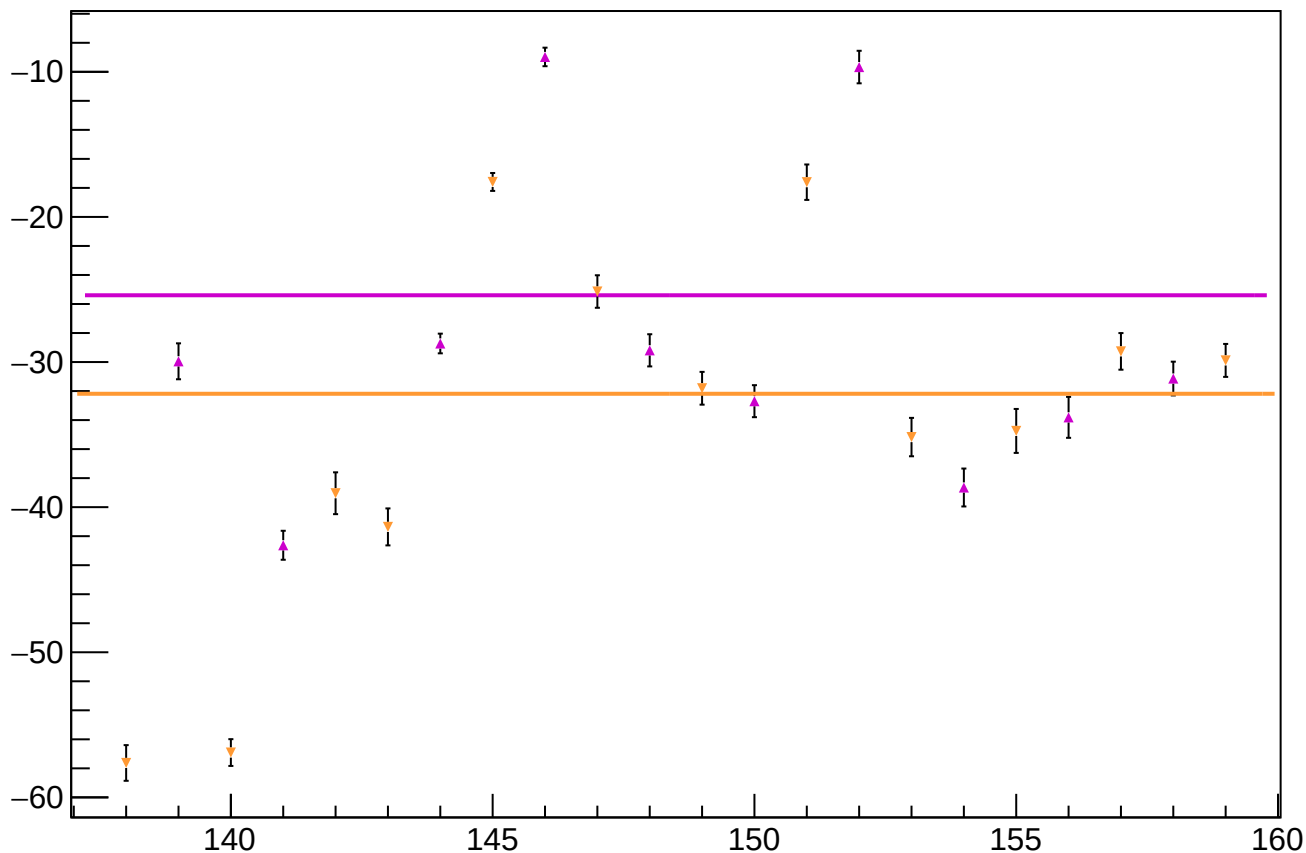
Right: -0.172 ± 0.049 χ^2/NDF : 1308.0/35

In: 1.379 ± 0.027 χ^2/NDF : 1179.2/26

Out: 1.328 ± 0.026 χ^2/NDF : 1734.5/30

All: 1.353 ± 0.019 χ^2/NDF : 2915.7/57

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: -32.187 $\pm$ 0.313 χ^2/NDF :1980.0/11

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

Left In: -25.398 $\pm$ 0.308 χ^2/NDF :1411.9/9

Left: -28.740 $\pm$ 0.219 χ^2/NDF : 3631.0/21

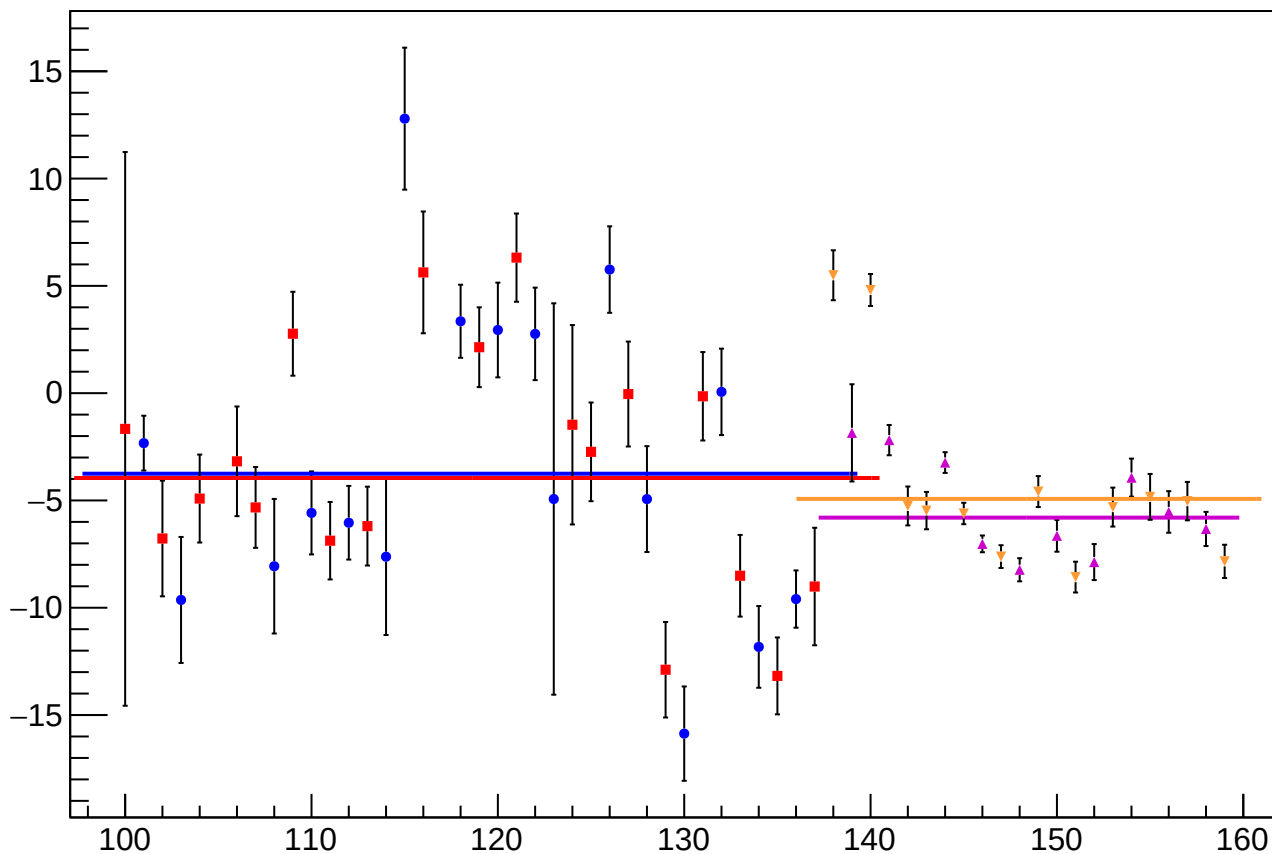
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -25.398 $\pm$ 0.308 χ^2/NDF :1411.9/9

Out: -32.187 $\pm$ 0.313 χ^2/NDF :1980.0/11

All: -28.740 $\pm$ 0.219 χ^2/NDF : 3631.0/21

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.754 ± 0.495 χ^2/NDF : 165.3/16

Left Out: -4.927 ± 0.216 χ^2/NDF : 319.2/11

Right Out: -3.954 ± 0.507 χ^2/NDF : 123.3/18

Left In: -5.801 ± 0.206 χ^2/NDF : 100.0/9

Left: -5.385 ± 0.149 χ^2/NDF : 427.8/21

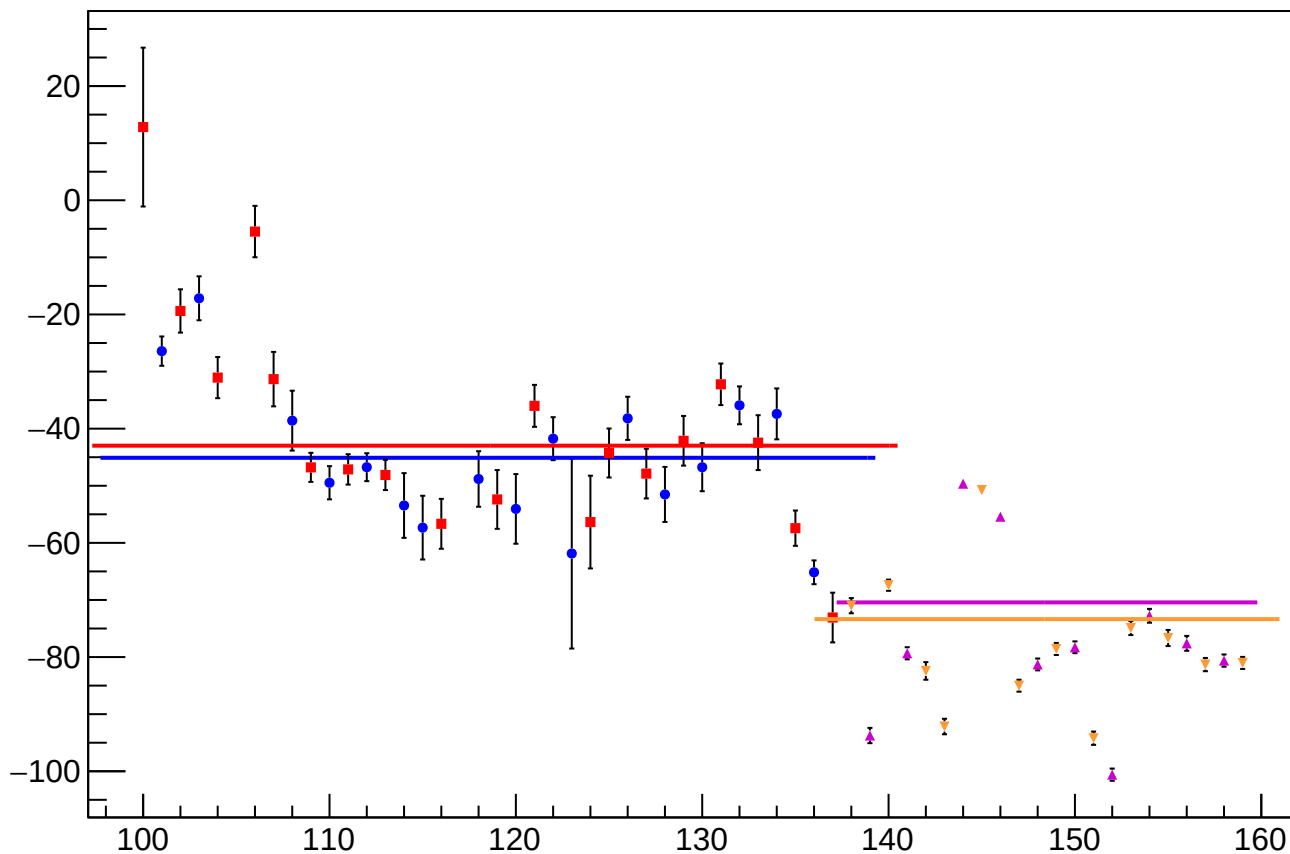
Right: -3.852 ± 0.354 χ^2/NDF : 288.7/35

In: -5.500 ± 0.190 χ^2/NDF : 279.9/26

Out: -4.778 ± 0.198 χ^2/NDF : 445.6/30

All: -5.155 ± 0.137 χ^2/NDF : 732.4/57

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected

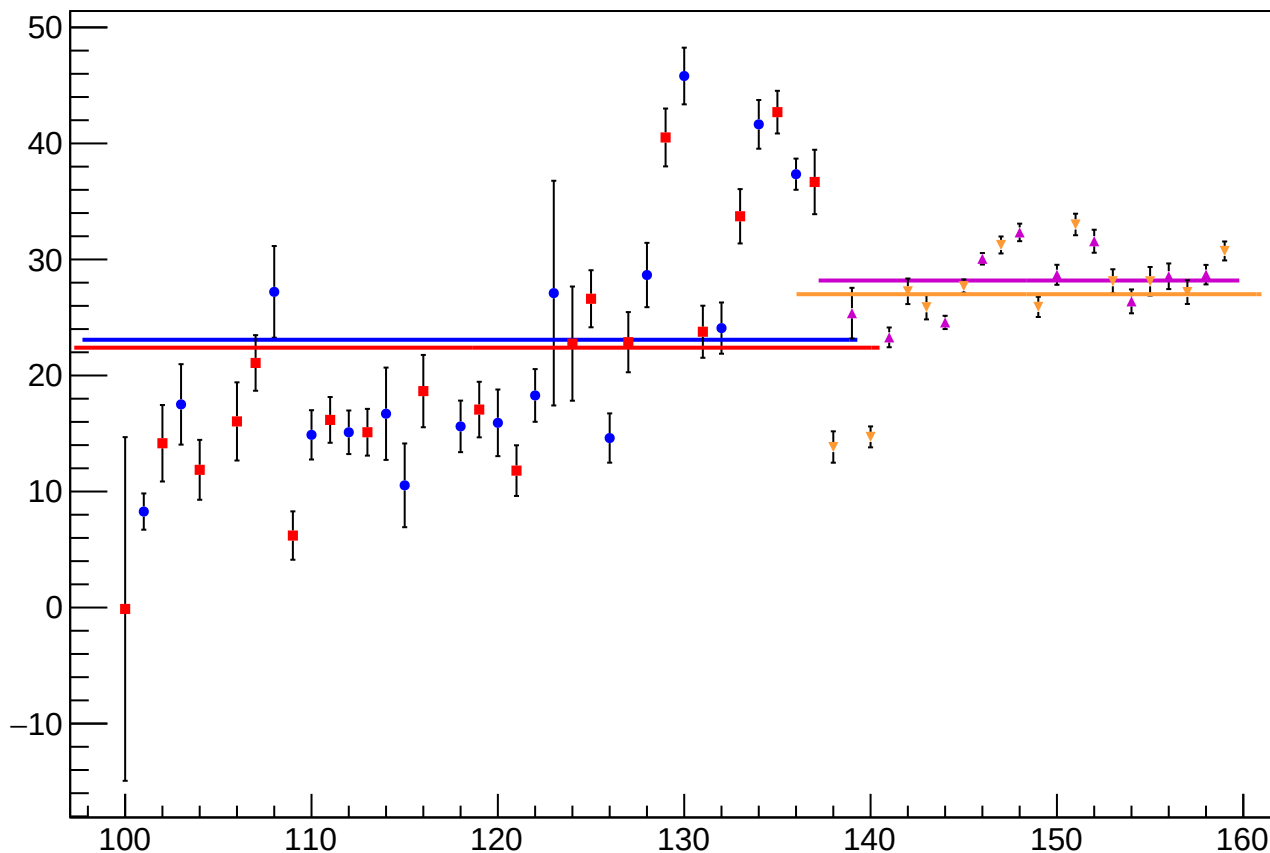


Right In: -45.101 ± 0.881 χ^2/NDF : 229.9/16
 Left Out: -73.354 ± 0.313 χ^2/NDF : 2028.9/11
 Right Out: -42.979 ± 0.877 χ^2/NDF : 248.9/18
 Left In: -70.428 ± 0.303 χ^2/NDF : 2873.0/9

Left: -71.848 ± 0.218 χ^2/NDF : 4947.1/21
 Right: -44.036 ± 0.622 χ^2/NDF : 481.6/35
 In: -67.742 ± 0.287 χ^2/NDF : 3842.0/26
 Out: -69.934 ± 0.294 χ^2/NDF : 3341.4/30

All: -68.809 ± 0.205 χ^2/NDF : 7211.9/57

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.079+/-0.556 χ^2 /NDF: 461.1/16

Left Out: 27.005+/-0.259 χ^2 /NDF:383.1/11

Right Out: 22.397+/-0.572 χ^2 /NDF: 370.3/18

Left In: 28.186+/-0.250 χ^2 /NDF:134.5/9

Left: 27.617+/-0.180 χ^2 /NDF: 528.4/21

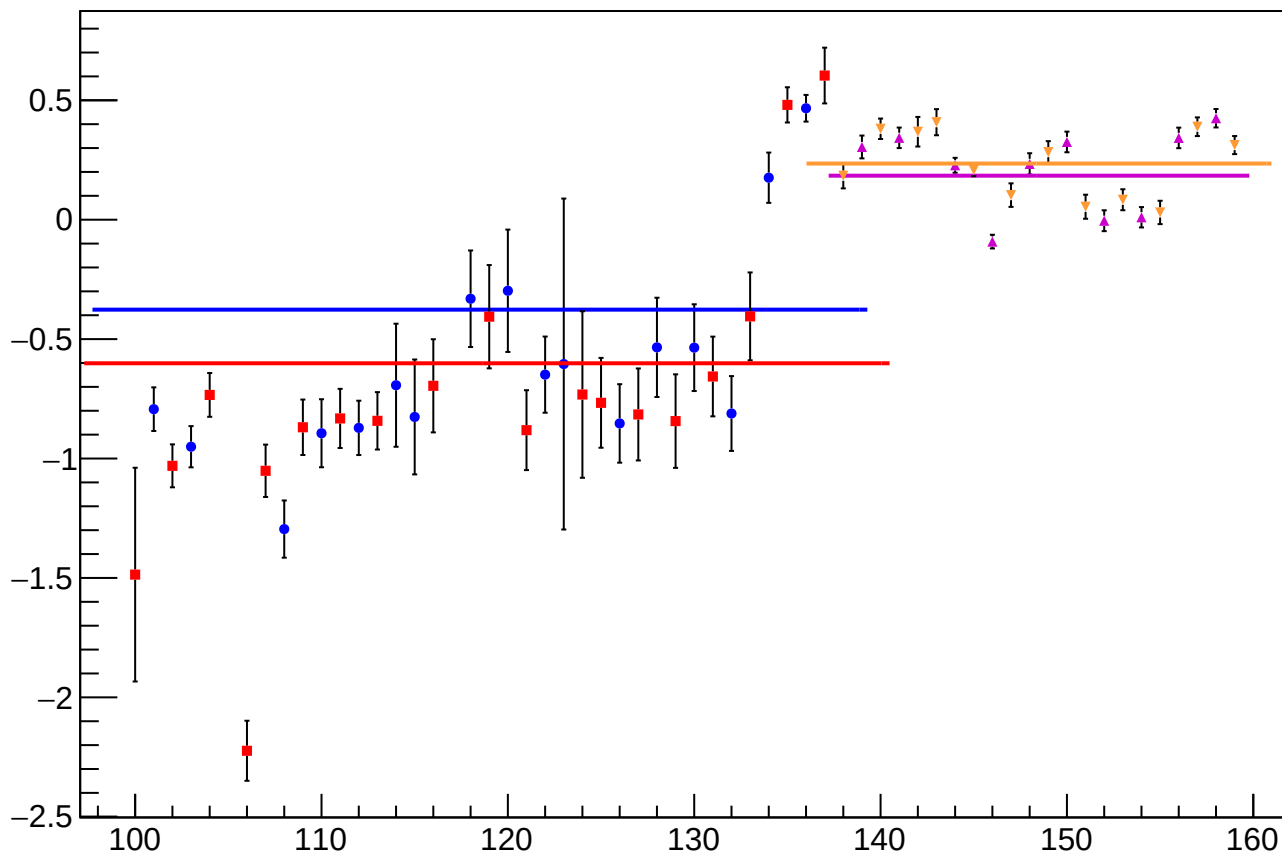
Right: 22.748+/-0.399 χ^2 /NDF: 832.1/35

In: 27.327+/-0.228 χ^2 /NDF:665.9/26

Out: 26.222+/-0.236 χ^2 /NDF:807.2/30

All: 26.794+/-0.164 χ^2 /NDF: 1484.4/57

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.377 ± 0.030 χ^2/NDF : 437.1/16

Left Out: 0.235 ± 0.012 χ^2/NDF : 98.6/11

Right Out: -0.601 ± 0.030 χ^2/NDF : 555.6/18

Left In: 0.184 ± 0.012 χ^2/NDF : 214.3/9

Left: 0.210 ± 0.009 χ^2/NDF : 321.3/21

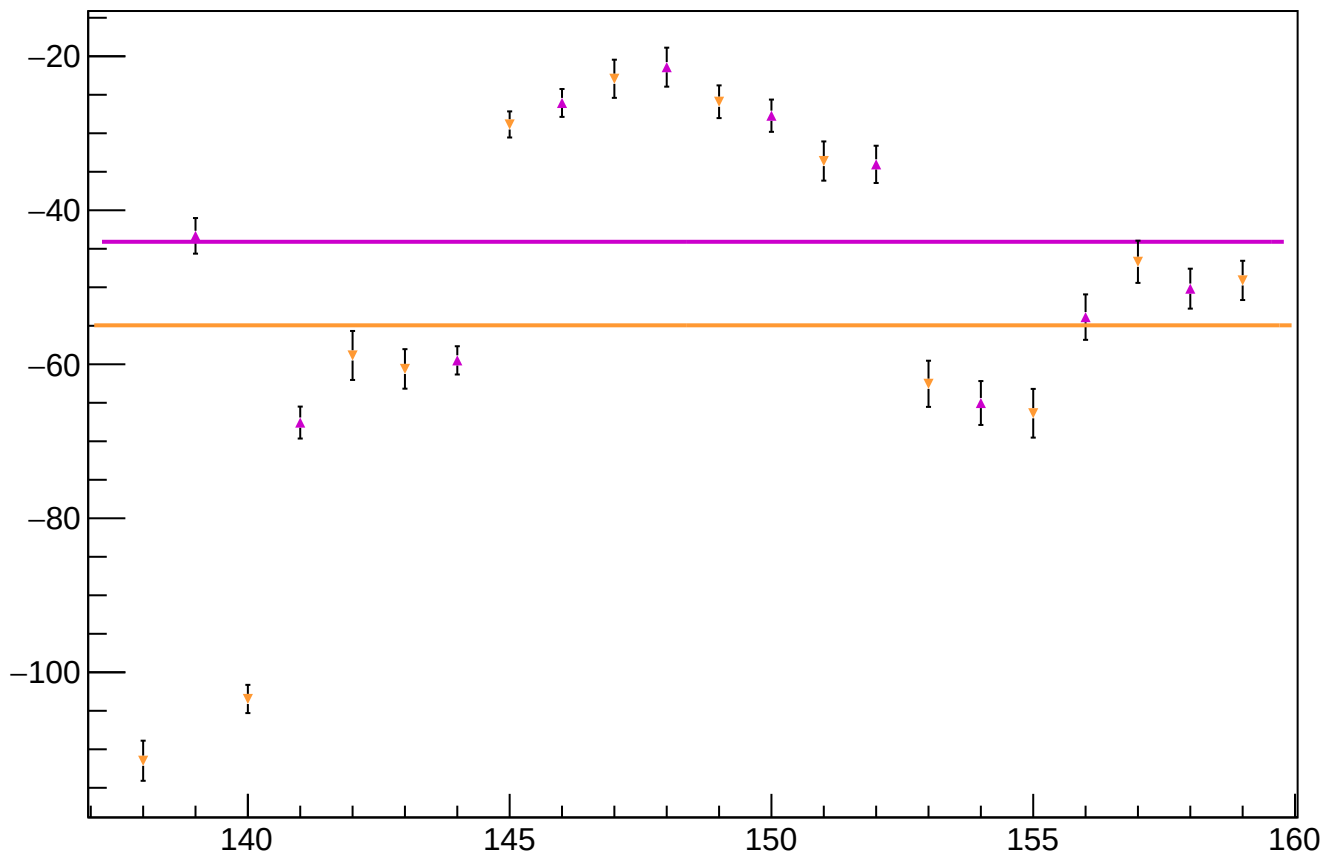
Right: -0.489 ± 0.021 χ^2/NDF : 1020.5/35

In: 0.103 ± 0.011 χ^2/NDF : 949.2/26

Out: 0.115 ± 0.011 χ^2/NDF : 1312.5/30

All: 0.109 ± 0.008 χ^2/NDF : 2262.2/57

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -54.939+/-0.693 χ^2/NDF :1873.5/11

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

Left In: -44.092+/-0.714 χ^2/NDF :526.8/9

Left: -49.674+/-0.497 χ^2/NDF : 2519.2/21

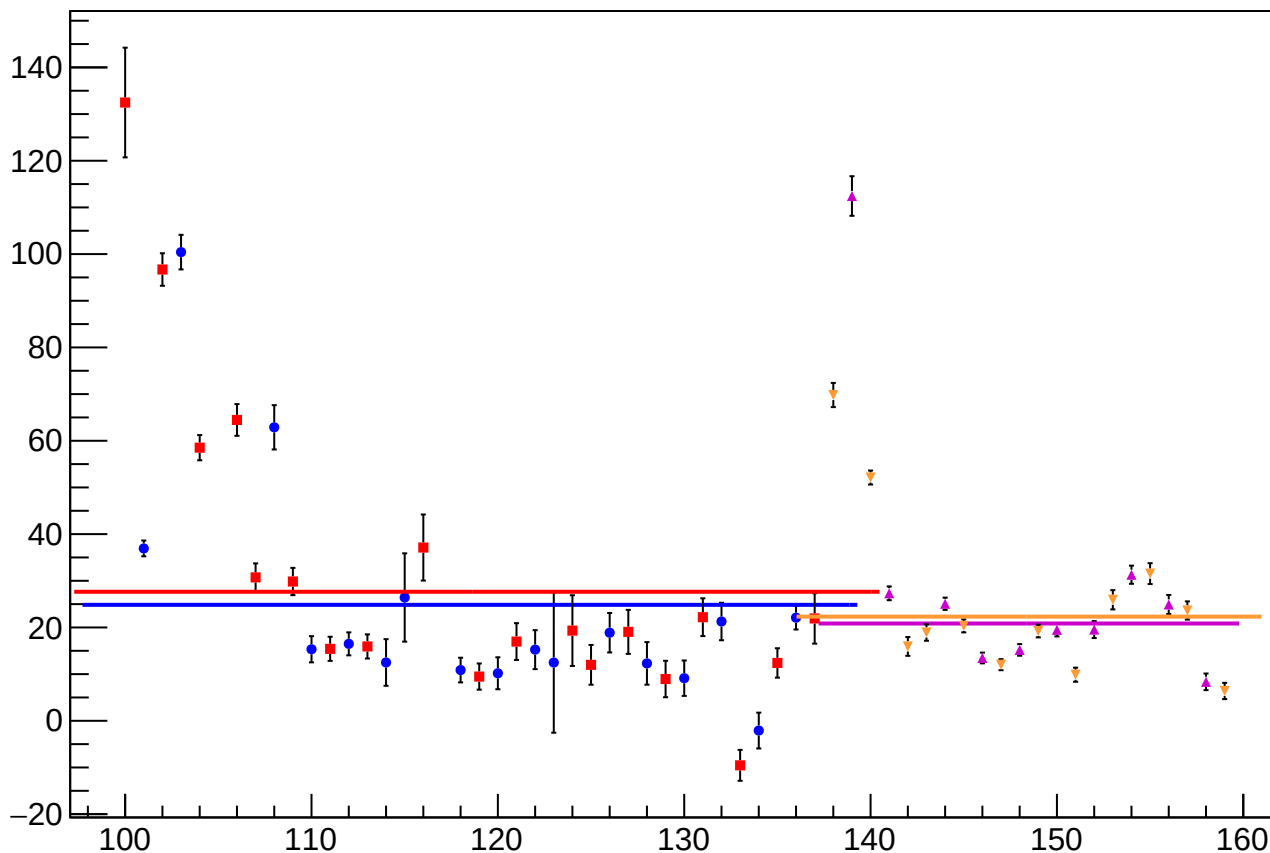
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -44.092+/-0.714 χ^2/NDF :526.8/9

Out: -54.939+/-0.693 χ^2/NDF :1873.5/11

All: -49.674+/-0.497 χ^2/NDF : 2519.2/21

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: 22.320 $\pm$ 0.477 χ^2 /NDF:998.8/11

Right Out: 27.648 $\pm$ 0.810 χ^2 /NDF: 1009.2/18

Left In: 20.848 $\pm$ 0.493 χ^2 /NDF:641.2/9

Left: 21.608 $\pm$ 0.343 χ^2 /NDF: 1644.6/21

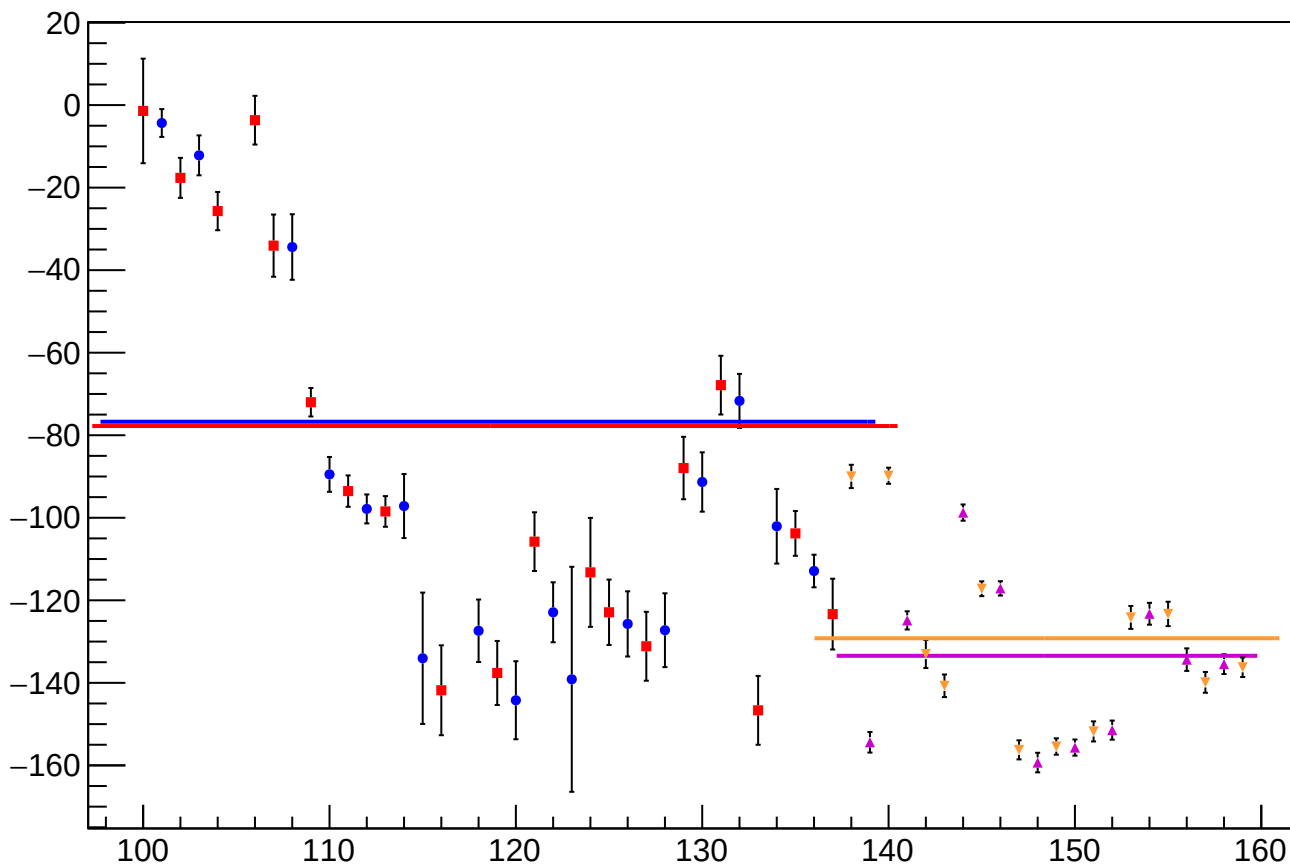
Right: 26.231 $\pm$ 0.570 χ^2 /NDF: 1706.0/35

In: 21.947 $\pm$ 0.420 χ^2 /NDF:1350.2/26

Out: 23.693 $\pm$ 0.411 χ^2 /NDF:2040.0/30

All: 22.838 $\pm$ 0.294 χ^2 /NDF: 3399.0/57

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.728 ± 1.412 $\chi^2/\text{NDF}: 1042.0/16$

Left Out: -129.196 ± 0.689 $\chi^2/\text{NDF}: 1095.1/11$

Right Out: -77.773 ± 1.352 $\chi^2/\text{NDF}: 871.8/18$

Left In: -133.446 ± 0.702 $\chi^2/\text{NDF}: 809.0/9$

Left: -131.281 ± 0.492 $\chi^2/\text{NDF}: 1922.7/21$

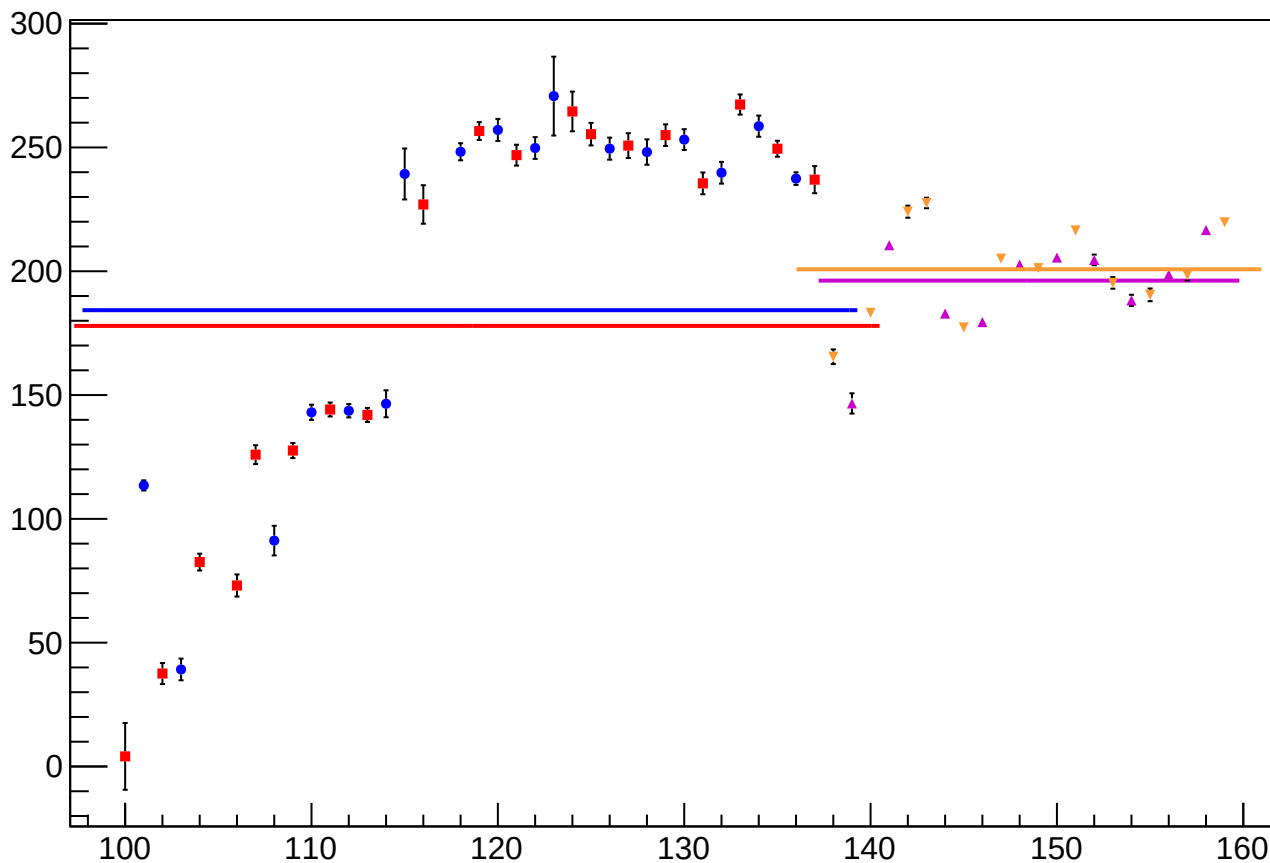
Right: -77.273 ± 0.977 $\chi^2/\text{NDF}: 1914.1/35$

In: -122.214 ± 0.628 $\chi^2/\text{NDF}: 3144.6/26$

Out: -118.606 ± 0.614 $\chi^2/\text{NDF}: 3115.1/30$

All: -120.367 ± 0.439 $\chi^2/\text{NDF}: 6276.6/57$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 184.271 $\pm$ 0.914 χ^2 /NDF: 5401.0/16

Left Out: 200.791 $\pm$ 0.573 χ^2 /NDF:902.0/11

Right Out: 177.930 $\pm$ 0.924 χ^2 /NDF: 6330.9/18

Left In: 196.212 $\pm$ 0.590 χ^2 /NDF:615.4/9

Left: 198.568 $\pm$ 0.411 χ^2 /NDF: 1548.3/21

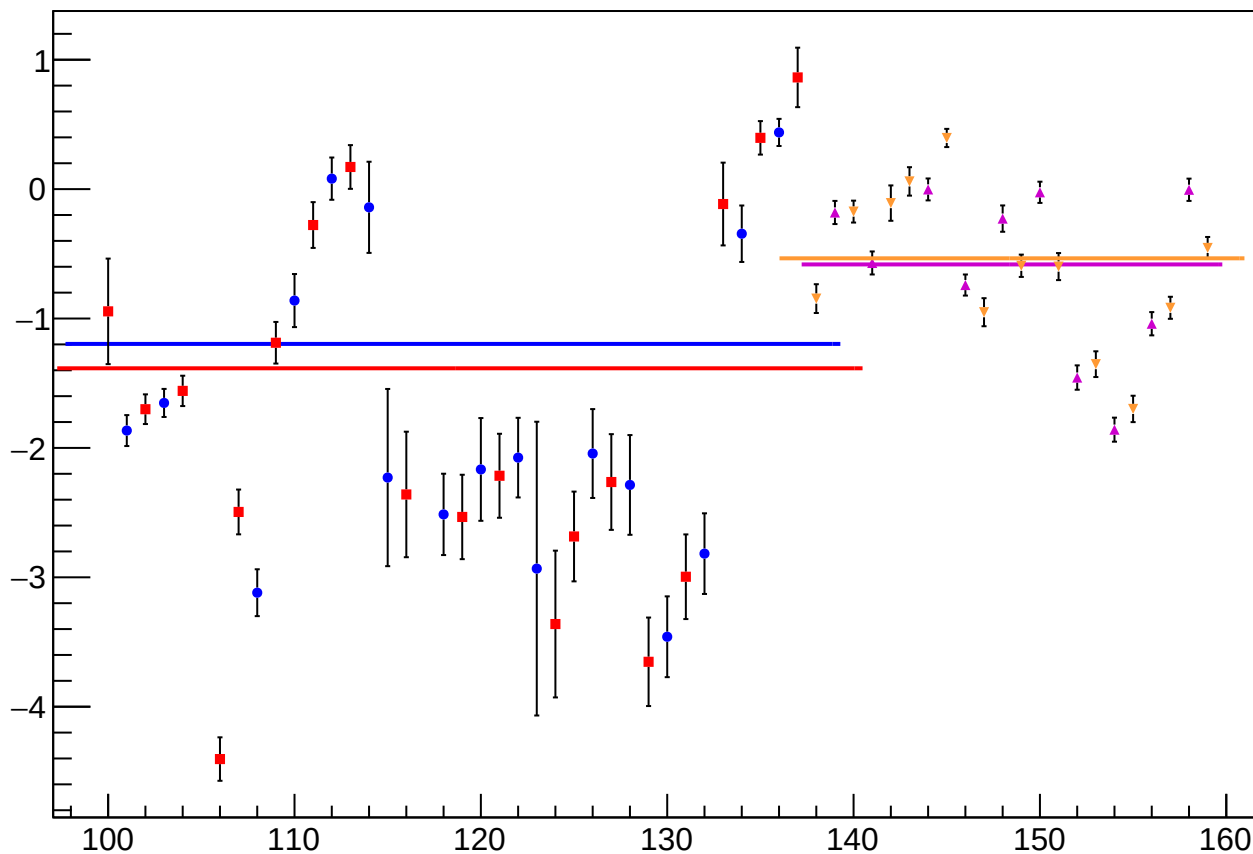
Right: 181.136 $\pm$ 0.650 χ^2 /NDF: 11755.7/35

In: 192.695 $\pm$ 0.496 χ^2 /NDF:6136.9/26

Out: 194.435 $\pm$ 0.487 χ^2 /NDF:7674.9/30

All: 193.580 $\pm$ 0.348 χ^2 /NDF: 13818.0/57

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.196 ± 0.048 χ^2/NDF : 623.1/16

Left Out: -0.535 ± 0.027 χ^2/NDF : 474.6/11

Right Out: -1.385 ± 0.046 χ^2/NDF : 924.4/18

Left In: -0.582 ± 0.028 χ^2/NDF : 475.3/9

Left: -0.558 ± 0.020 χ^2/NDF : 951.3/21

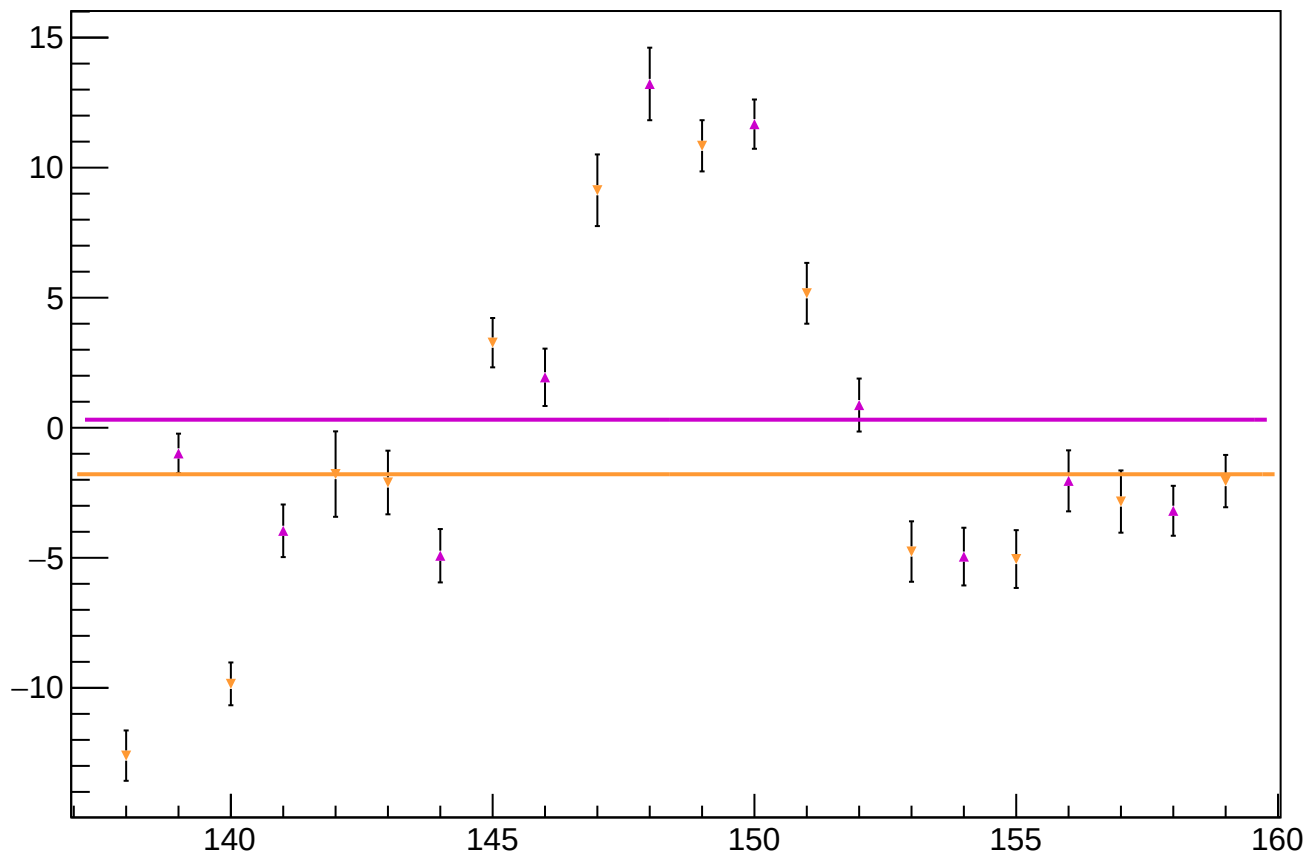
Right: -1.295 ± 0.033 χ^2/NDF : 1555.6/35

In: -0.738 ± 0.024 χ^2/NDF : 1220.2/26

Out: -0.757 ± 0.023 χ^2/NDF : 1653.4/30

All: -0.748 ± 0.017 χ^2/NDF : 2874.0/57

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -1.788+/-0.313 χ^2/NDF :528.2/11

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

Left In: 0.310+/-0.321 χ^2/NDF :318.6/9

Left: -0.766+/-0.224 χ^2/NDF : 868.8/21

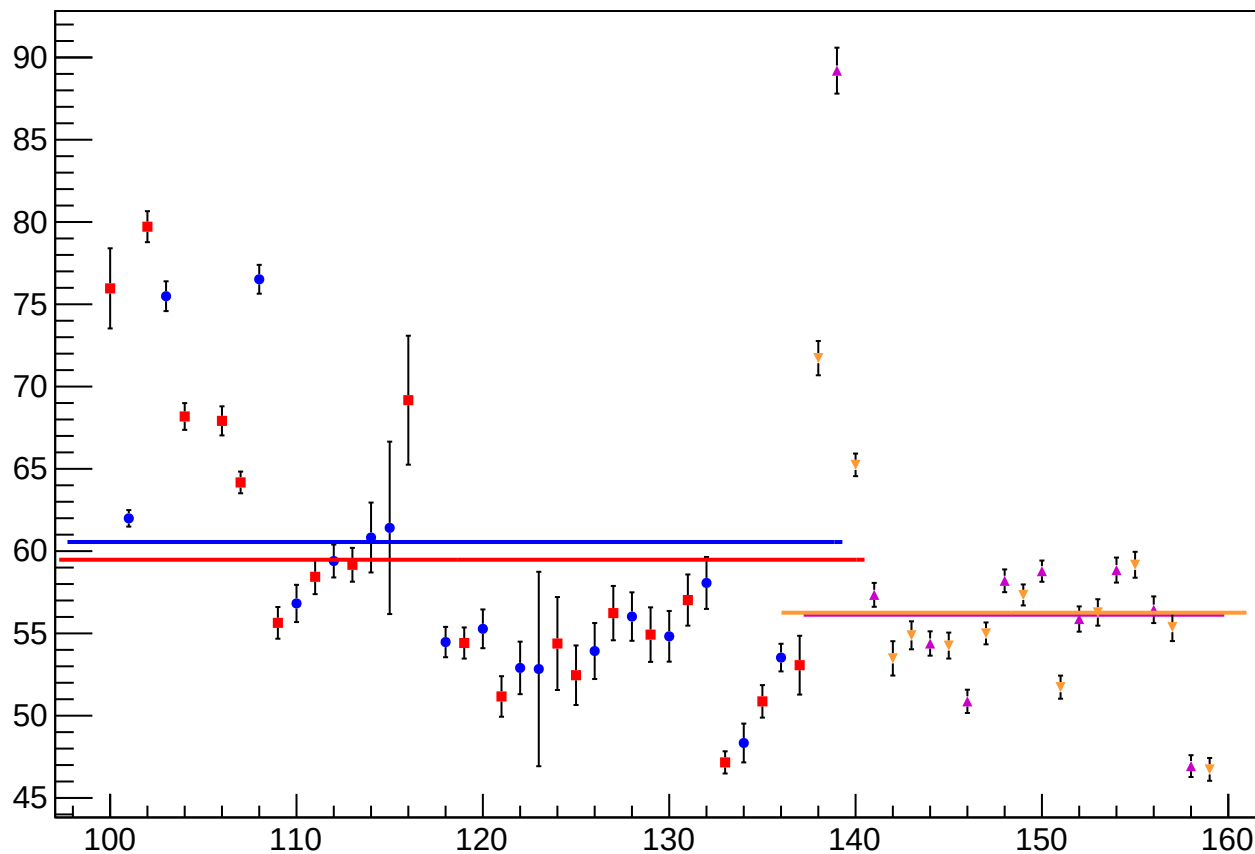
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.310+/-0.321 χ^2/NDF :318.6/9

Out: -1.788+/-0.313 χ^2/NDF :528.2/11

All: -0.766+/-0.224 χ^2/NDF : 868.8/21

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.554 $\pm$ 0.262 χ^2 /NDF: 930.8/16

Left Out: 56.259 $\pm$ 0.222 χ^2 /NDF: 659.3/11

Right Out: 59.477 $\pm$ 0.248 χ^2 /NDF: 1317.0/18

Left In: 56.135 $\pm$ 0.236 χ^2 /NDF: 855.8/9

Left: 56.201 $\pm$ 0.162 χ^2 /NDF: 1515.3/21

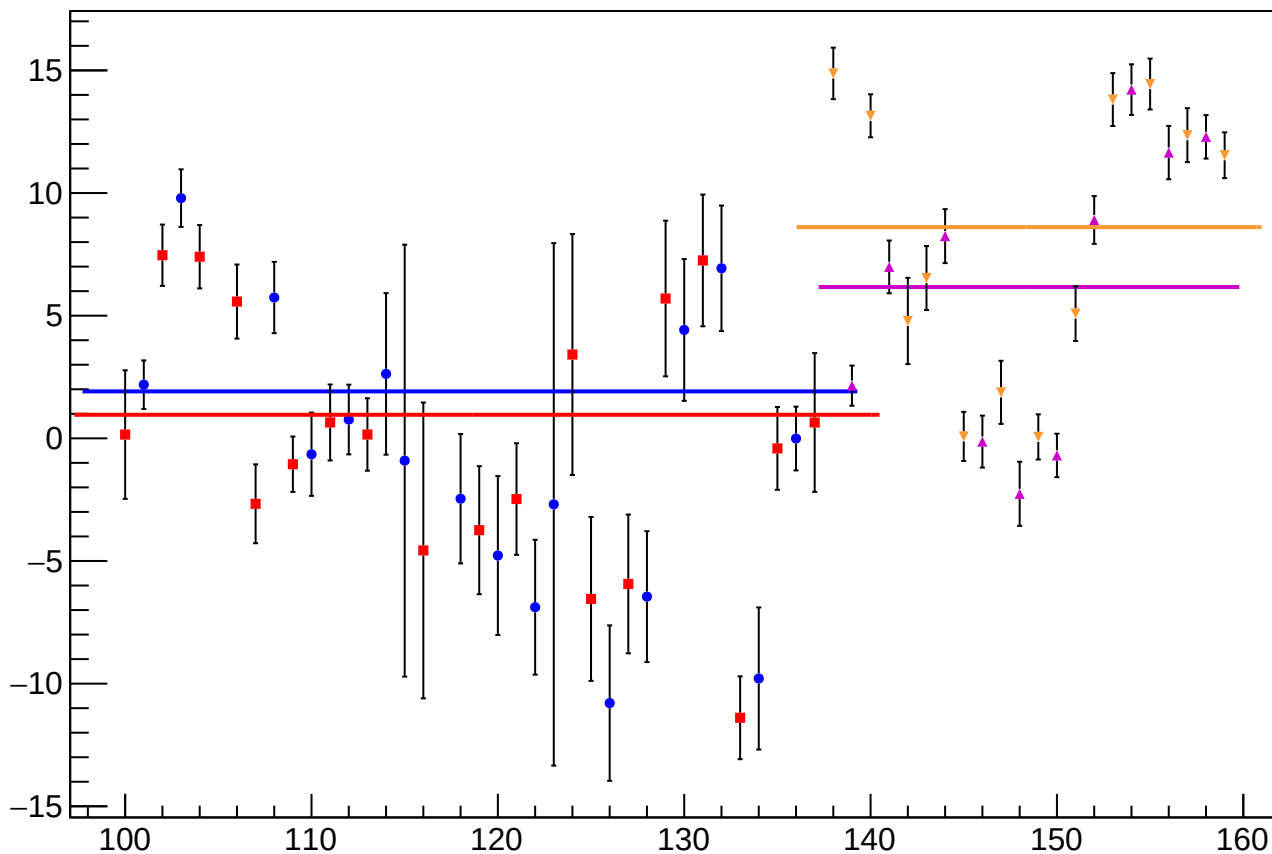
Right: 59.987 $\pm$ 0.180 χ^2 /NDF: 2256.7/35

In: 58.118 $\pm$ 0.175 χ^2 /NDF: 1943.9/26

Out: 57.690 $\pm$ 0.165 χ^2 /NDF: 2069.9/30

All: 57.891 $\pm$ 0.120 χ^2 /NDF: 4017.0/57

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.914 ± 0.458 χ^2/NDF : 121.6/16

Left Out: 8.610 ± 0.309 χ^2/NDF : 342.3/11

Right Out: 0.960 ± 0.424 χ^2/NDF : 149.5/18

Left In: 6.168 ± 0.315 χ^2/NDF : 307.3/9

Left: 7.414 ± 0.221 χ^2/NDF : 680.1/21

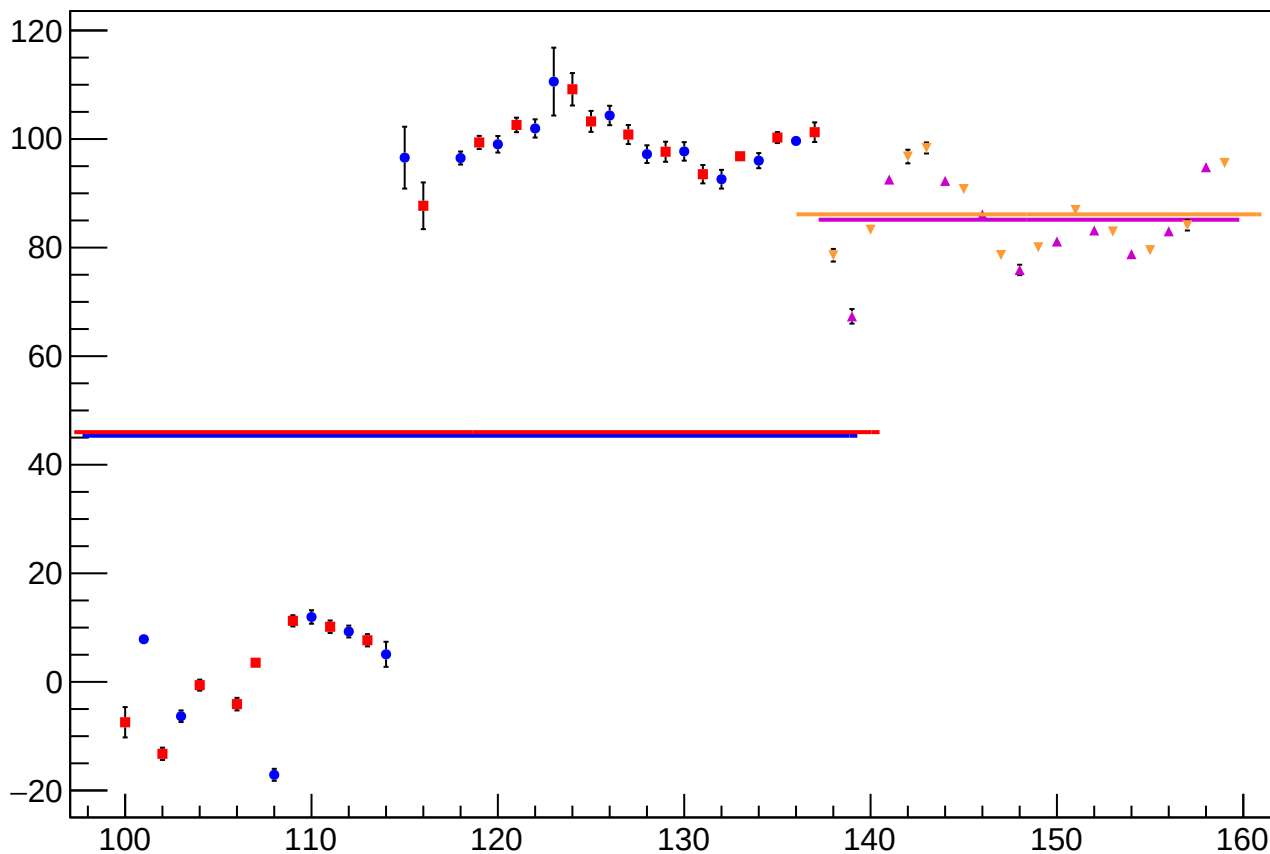
Right: 1.401 ± 0.311 χ^2/NDF : 273.4/35

In: 4.798 ± 0.260 χ^2/NDF : 487.4/26

Out: 5.957 ± 0.250 χ^2/NDF : 704.2/30

All: 5.400 ± 0.180 χ^2/NDF : 1201.9/57

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: 86.126 $\pm$ 0.262 χ^2 /NDF:665.7/11

Right Out: 46.007 $\pm$ 0.289 χ^2 /NDF: 28219.9/18

Left In: 85.137 $\pm$ 0.276 χ^2 /NDF:692.6/9

Left: 85.657 $\pm$ 0.190 χ^2 /NDF: 1365.0/21

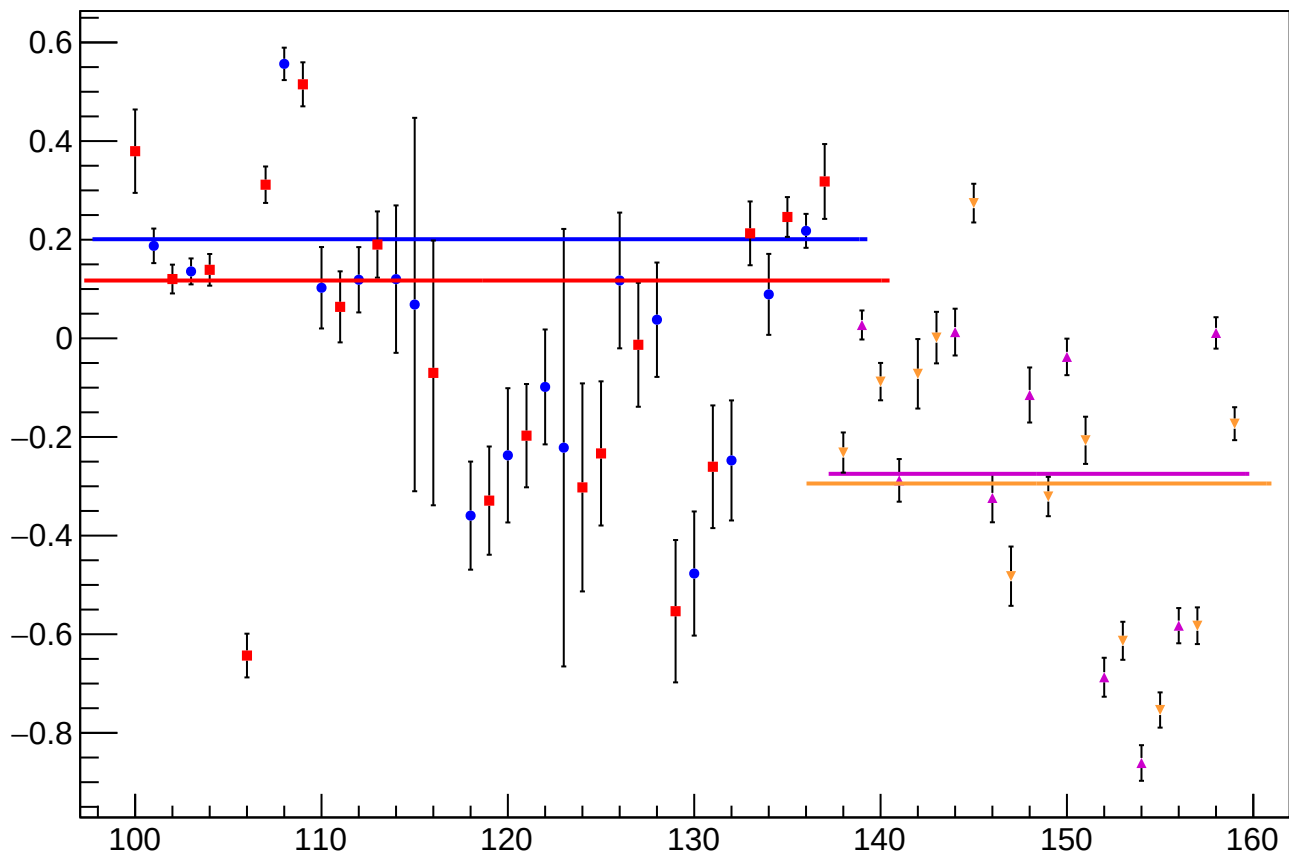
Right: 45.691 $\pm$ 0.209 χ^2 /NDF: 53293.4/35

In: 67.119 $\pm$ 0.204 χ^2 /NDF:35186.8/26

Out: 68.056 $\pm$ 0.194 χ^2 /NDF:39442.6/30

All: 67.610 $\pm$ 0.141 χ^2 /NDF: 74640.5/57

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.014 χ^2/NDF : 217.8/16

Left Out: -0.294 ± 0.012 χ^2/NDF : 604.5/11

Right Out: 0.117 ± 0.013 χ^2/NDF : 500.1/18

Left In: -0.275 ± 0.012 χ^2/NDF : 719.7/9

Left: -0.285 ± 0.009 χ^2/NDF : 1325.5/21

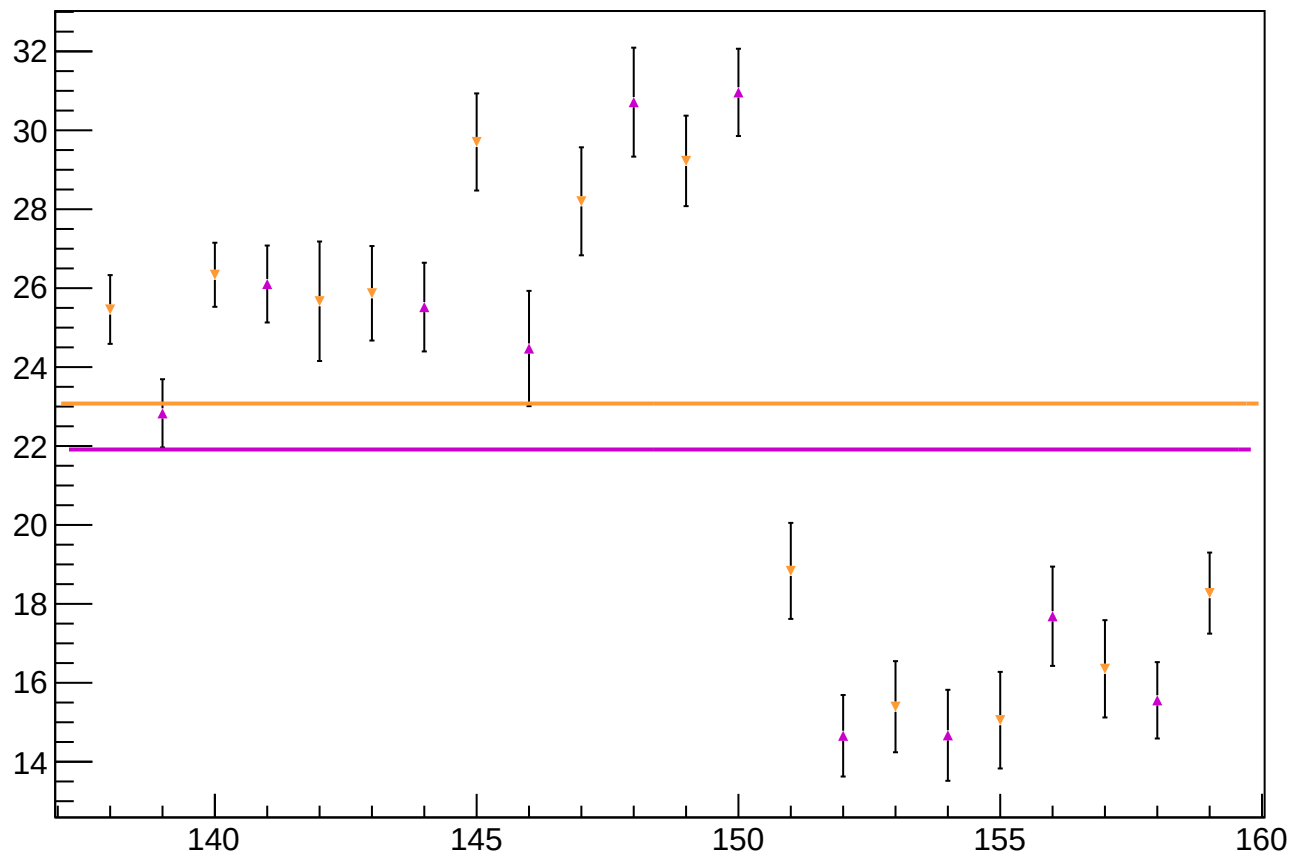
Right: 0.156 ± 0.010 χ^2/NDF : 737.1/35

In: -0.071 ± 0.009 χ^2/NDF : 1594.3/26

Out: -0.105 ± 0.009 χ^2/NDF : 1644.7/30

All: -0.089 ± 0.006 χ^2/NDF : 3246.1/57

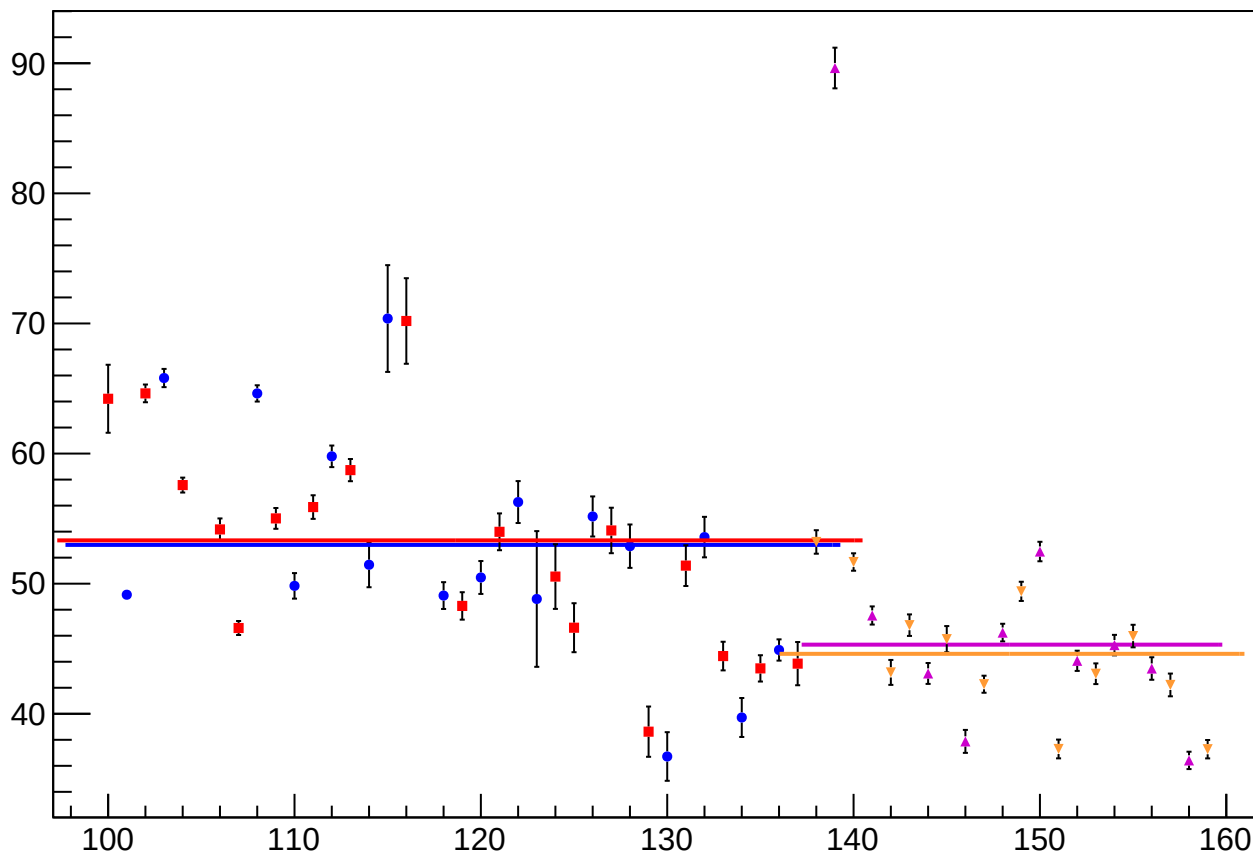
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 23.077+/-0.322 χ^2/NDF :254.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 21.912+/-0.345 χ^2/NDF :283.8/9

Left: 22.534+/-0.236 χ^2/NDF : 544.7/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 21.912+/-0.345 χ^2/NDF :283.8/9
 Out: 23.077+/-0.322 χ^2/NDF :254.8/11
 All: 22.534+/-0.236 χ^2/NDF : 544.7/21

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.981+/-0.210 χ^2/NDF : 1197.8/16

Left Out: 44.607+/-0.228 χ^2/NDF : 490.9/11

Right Out: 53.328+/-0.227 χ^2/NDF : 872.7/18

Left In: 45.313+/-0.249 χ^2/NDF : 1170.9/9

Left: 44.928+/-0.168 χ^2/NDF : 1666.2/21

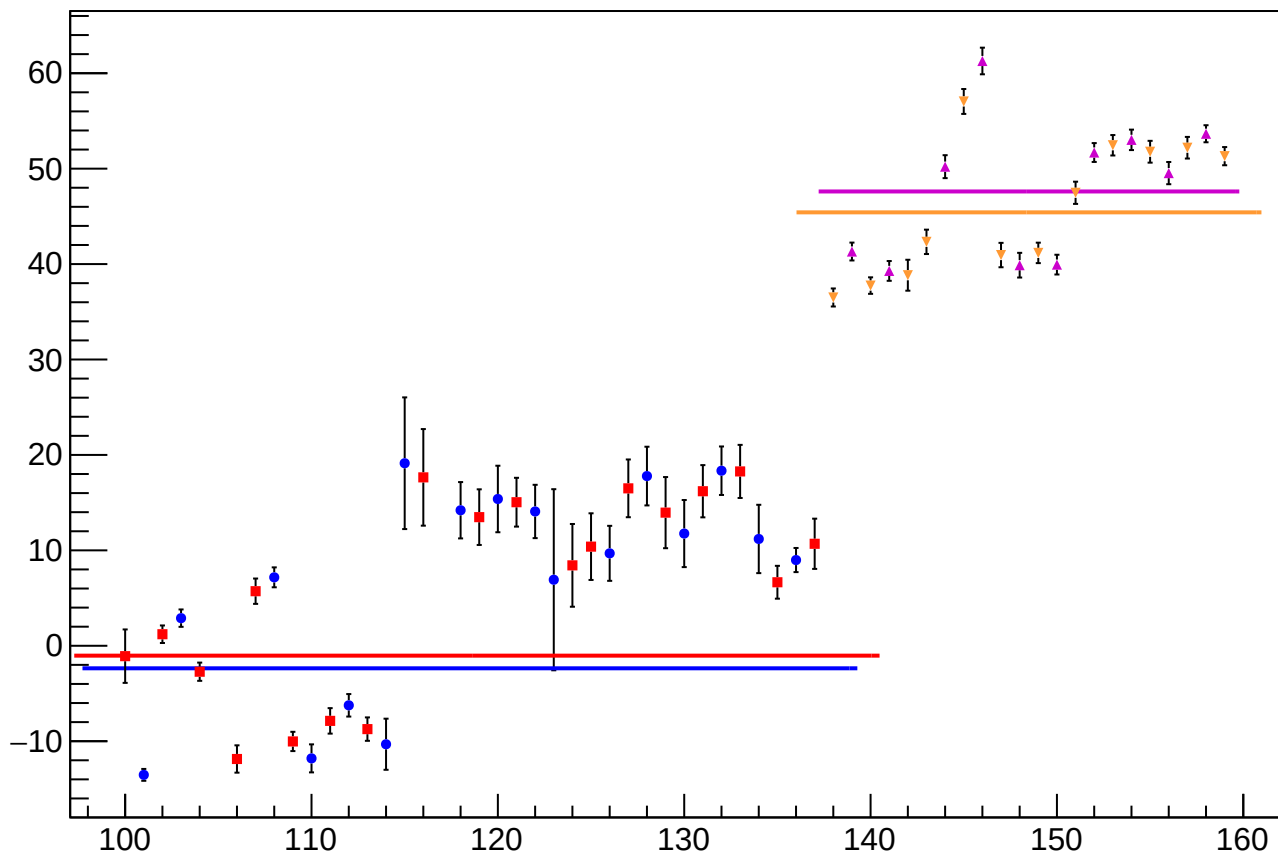
Right: 53.141+/-0.154 χ^2/NDF : 2071.7/35

In: 49.794+/-0.161 χ^2/NDF : 2922.0/26

Out: 48.986+/-0.161 χ^2/NDF : 2100.5/30

All: 49.390+/-0.114 χ^2/NDF : 5035.1/57

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.361 ± 0.364 χ^2/NDF : 840.8/16

Left Out: 45.420 ± 0.320 χ^2/NDF : 448.5/11

Right Out: -1.035 ± 0.377 χ^2/NDF : 507.7/18

Left In: 47.609 ± 0.339 χ^2/NDF : 392.1/9

Left: 46.450 ± 0.233 χ^2/NDF : 862.6/21

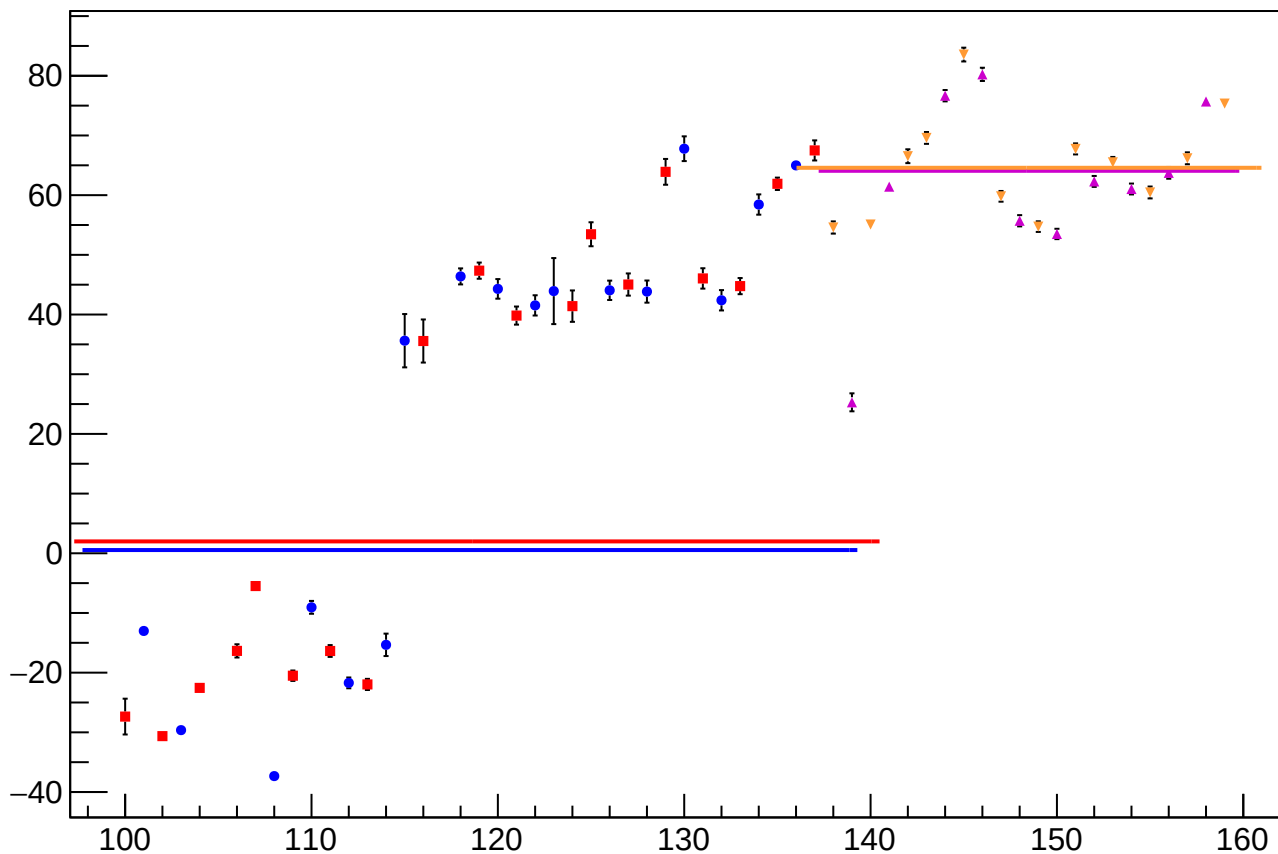
Right: -1.721 ± 0.262 χ^2/NDF : 1355.0/35

In: 24.375 ± 0.248 χ^2/NDF : 11326.2/26

Out: 25.971 ± 0.244 χ^2/NDF : 9787.2/30

All: 25.186 ± 0.174 χ^2/NDF : 21134.5/57

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.541+/-0.247 χ^2/NDF : 18423.8/16

Left Out: 64.585+/-0.270 χ^2/NDF : 924.5/11

Right Out: 1.990+/-0.267 χ^2/NDF : 15476.7/18

Left In: 64.082+/-0.292 χ^2/NDF : 1577.0/9

Left: 64.353+/-0.198 χ^2/NDF : 2503.1/21

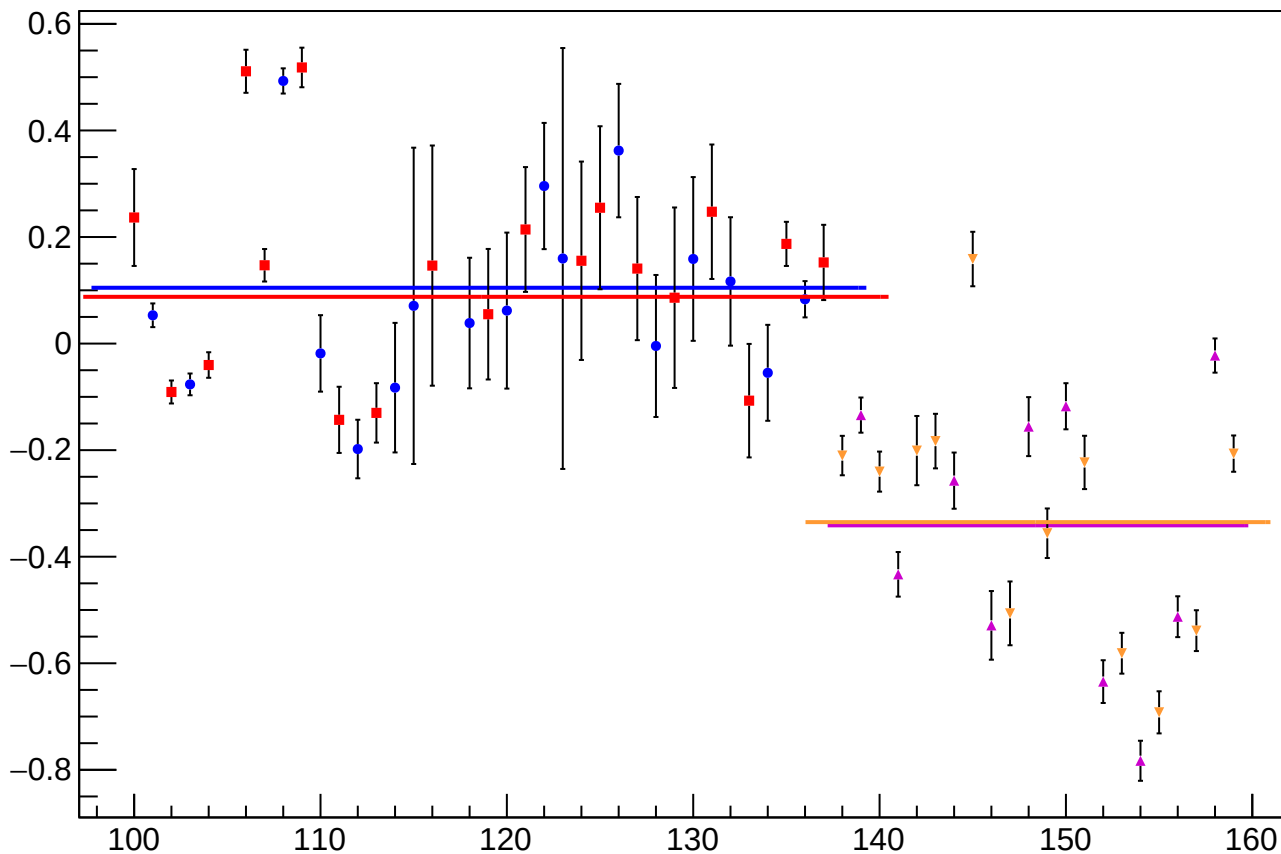
Right: 1.210+/-0.181 χ^2/NDF : 33916.4/35

In: 26.958+/-0.189 χ^2/NDF : 47579.3/26

Out: 32.865+/-0.190 χ^2/NDF : 43609.5/30

All: 29.893+/-0.134 χ^2/NDF : 91676.5/57

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: -0.335 ± 0.012 $\chi^2/\text{NDF}: 302.9/11$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 391.0/18$

Left In: -0.341 ± 0.013 $\chi^2/\text{NDF}: 403.3/9$

Left: -0.338 ± 0.009 $\chi^2/\text{NDF}: 706.3/21$

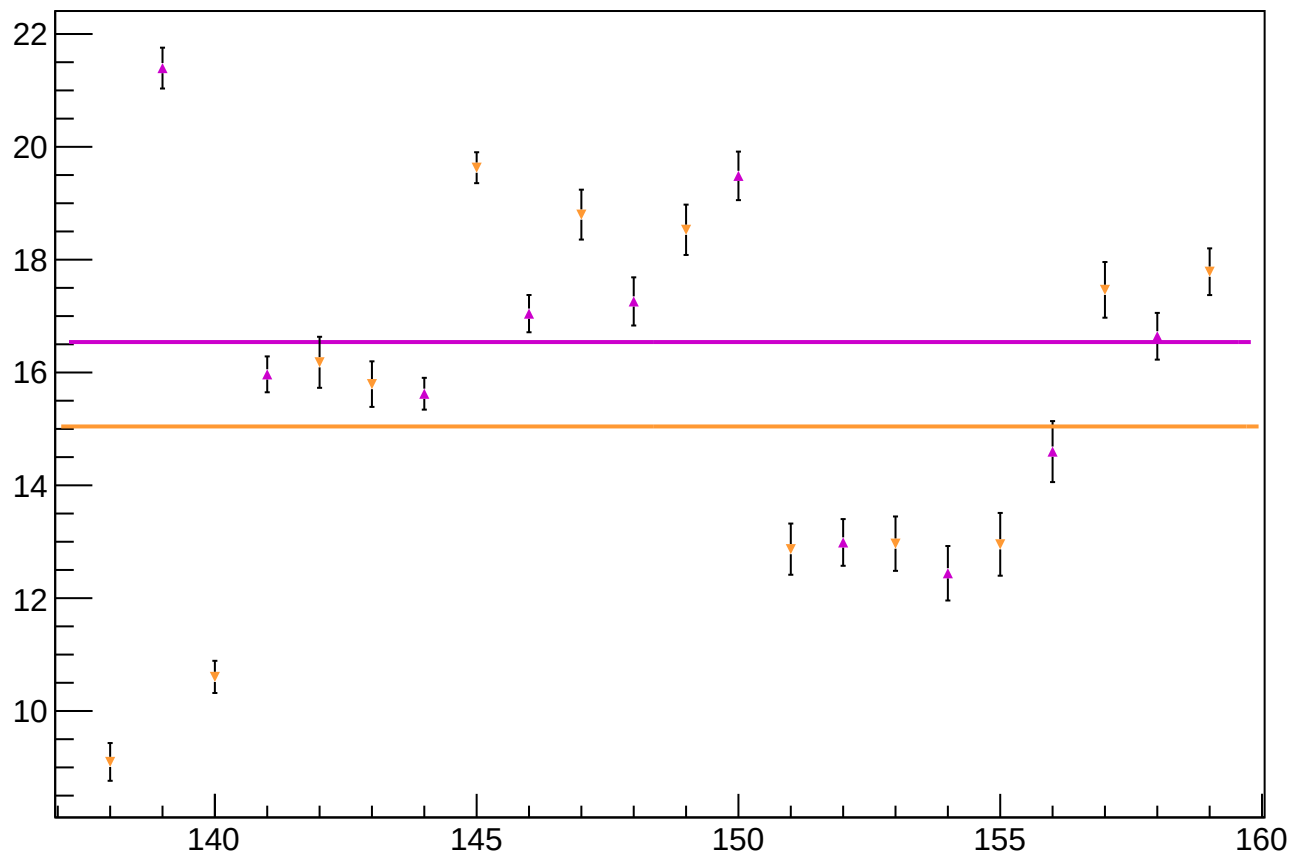
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.9/35$

In: -0.082 ± 0.008 $\chi^2/\text{NDF}: 1488.9/26$

Out: -0.098 ± 0.008 $\chi^2/\text{NDF}: 1341.1/30$

All: -0.090 ± 0.006 $\chi^2/\text{NDF}: 2831.7/57$

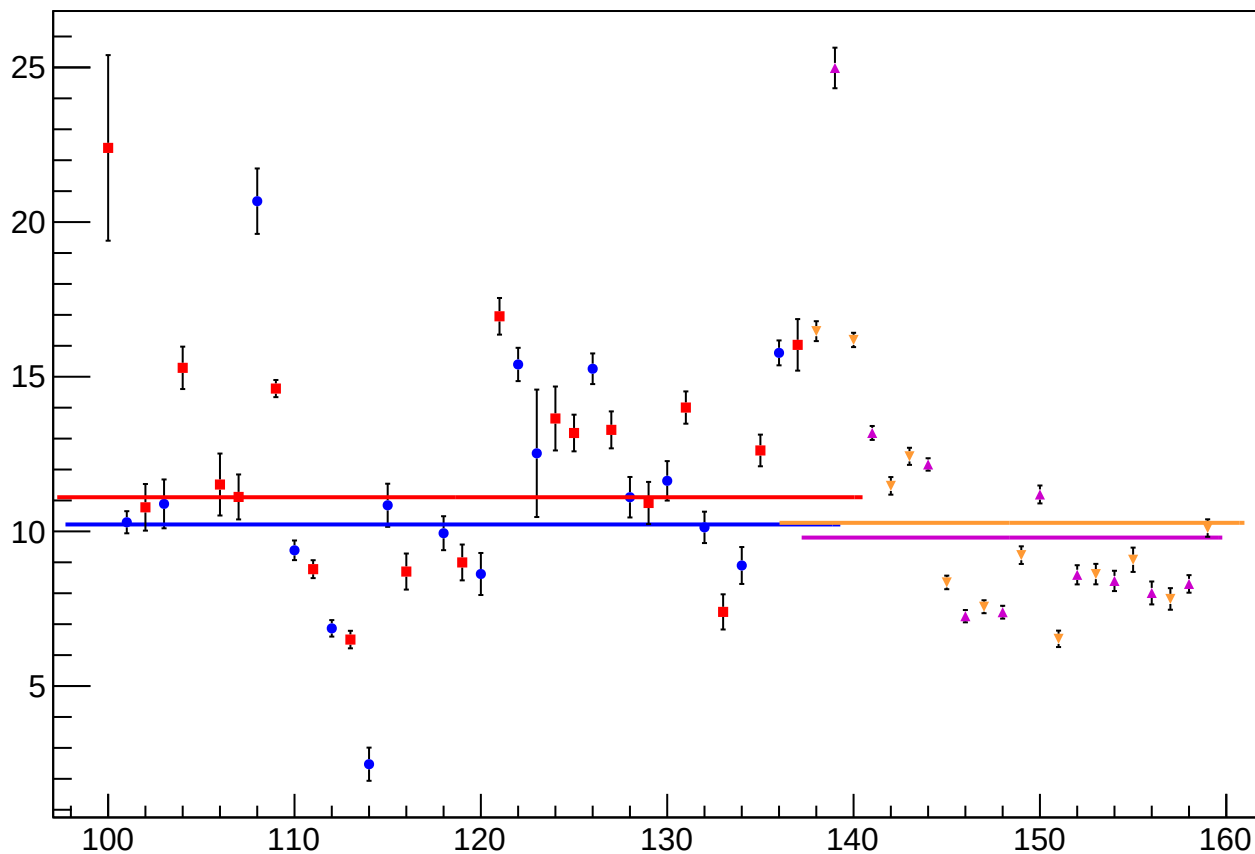
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 15.043 $\pm$ 0.113 χ^2/NDF :1104.4/11
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 16.540 $\pm$ 0.120 χ^2/NDF :404.4/9

Left: 15.749 $\pm$ 0.082 χ^2/NDF : 1591.1/21
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 16.540 $\pm$ 0.120 χ^2/NDF :404.4/9
 Out: 15.043 $\pm$ 0.113 χ^2/NDF :1104.4/11
 All: 15.749 $\pm$ 0.082 χ^2/NDF : 1591.1/21

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.224 ± 0.119 χ^2/NDF : 877.6/16

Left Out: 10.277 ± 0.079 χ^2/NDF : 1644.0/11

Right Out: 11.104 ± 0.116 χ^2/NDF : 817.2/18

Left In: 9.800 ± 0.083 χ^2/NDF : 1305.9/9

Left: 10.049 ± 0.057 χ^2/NDF : 2967.3/21

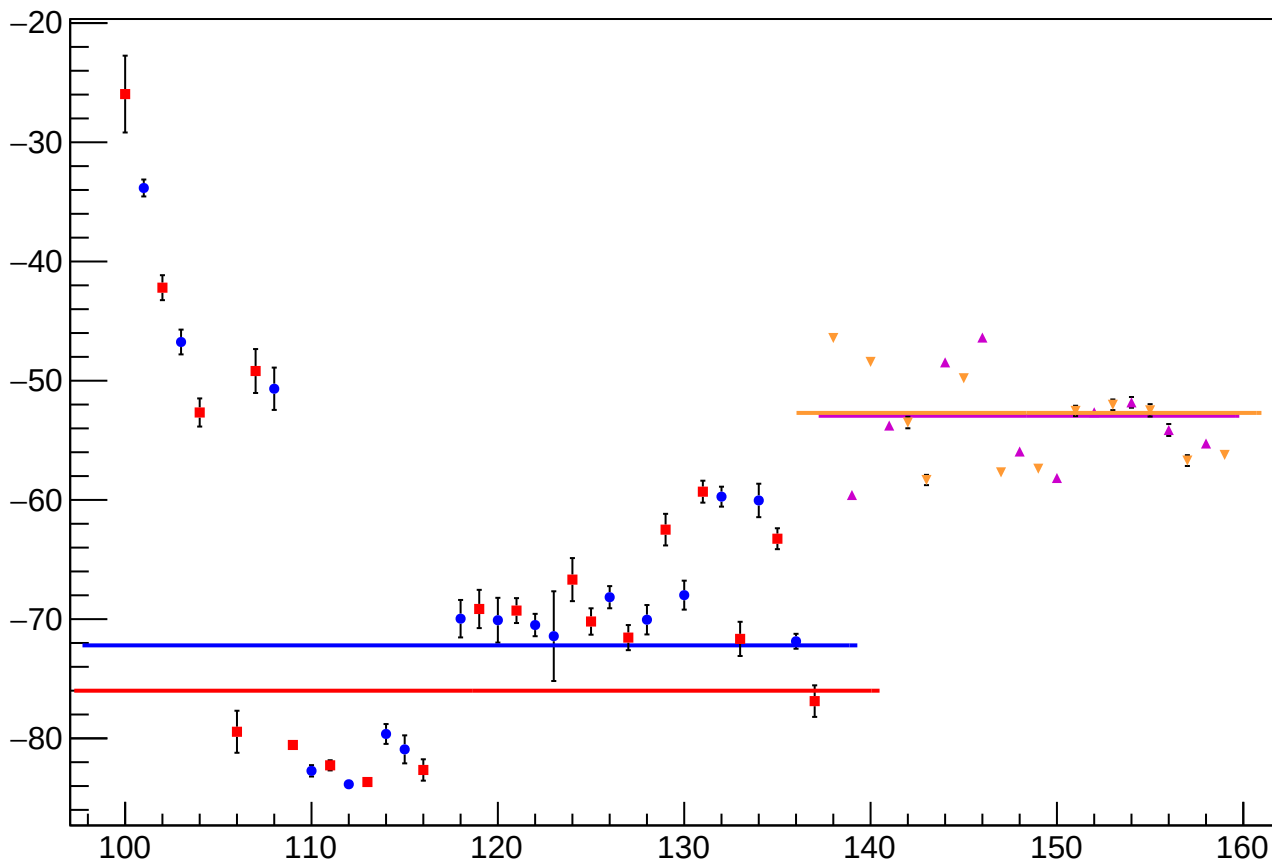
Right: 10.673 ± 0.083 χ^2/NDF : 1722.7/35

In: 9.938 ± 0.068 χ^2/NDF : 2192.1/26

Out: 10.538 ± 0.065 χ^2/NDF : 2495.8/30

All: 10.249 ± 0.047 χ^2/NDF : 4728.4/57

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.201 ± 0.198 χ^2/NDF : 5566.9/16

Left Out: -52.701 ± 0.114 χ^2/NDF : 1206.7/11

Right Out: -76.003 ± 0.181 χ^2/NDF : 3465.4/18

Left In: -52.941 ± 0.119 χ^2/NDF : 1217.3/9

Left: -52.816 ± 0.082 χ^2/NDF : 2426.2/21

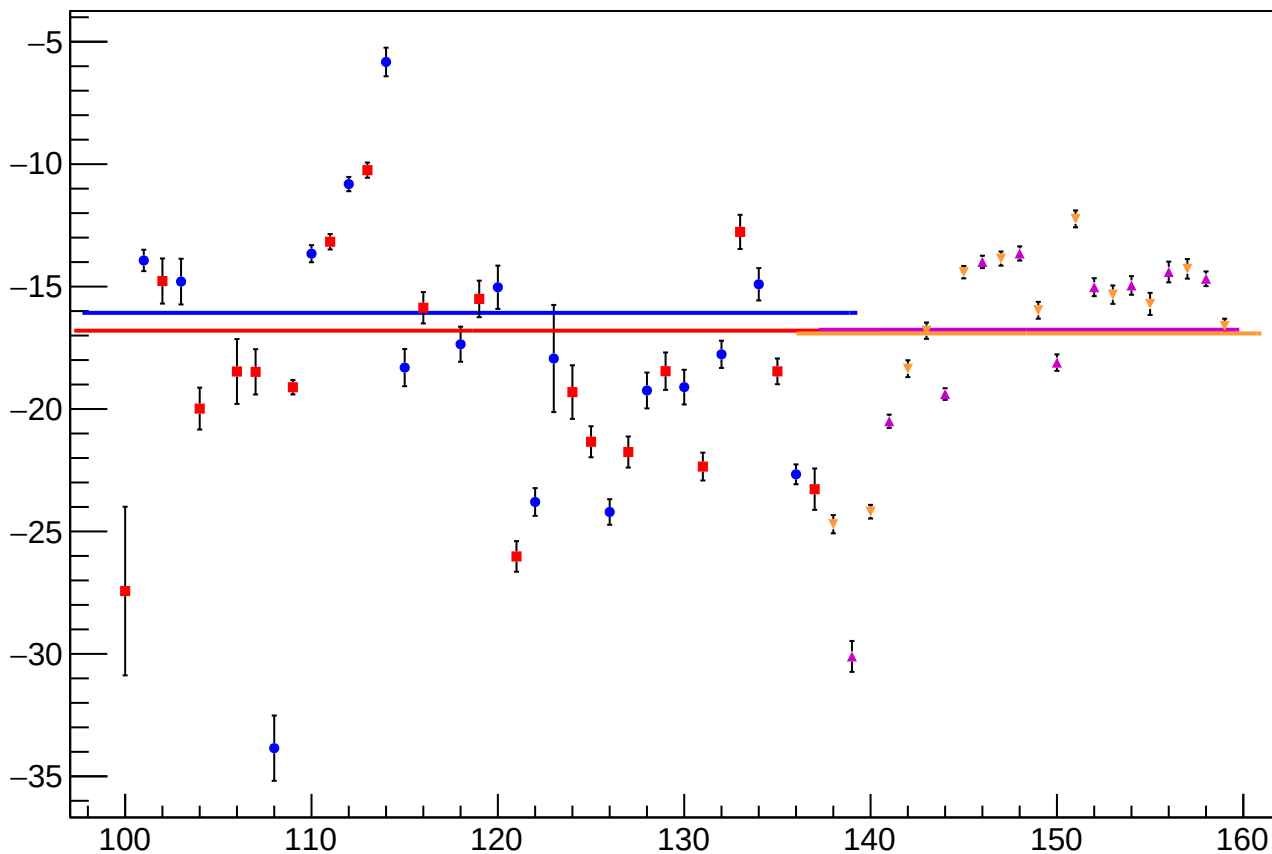
Right: -74.270 ± 0.133 χ^2/NDF : 9233.6/35

In: -58.053 ± 0.102 χ^2/NDF : 13756.4/26

Out: -59.318 ± 0.096 χ^2/NDF : 16548.3/30

All: -58.720 ± 0.070 χ^2/NDF : 30386.1/57

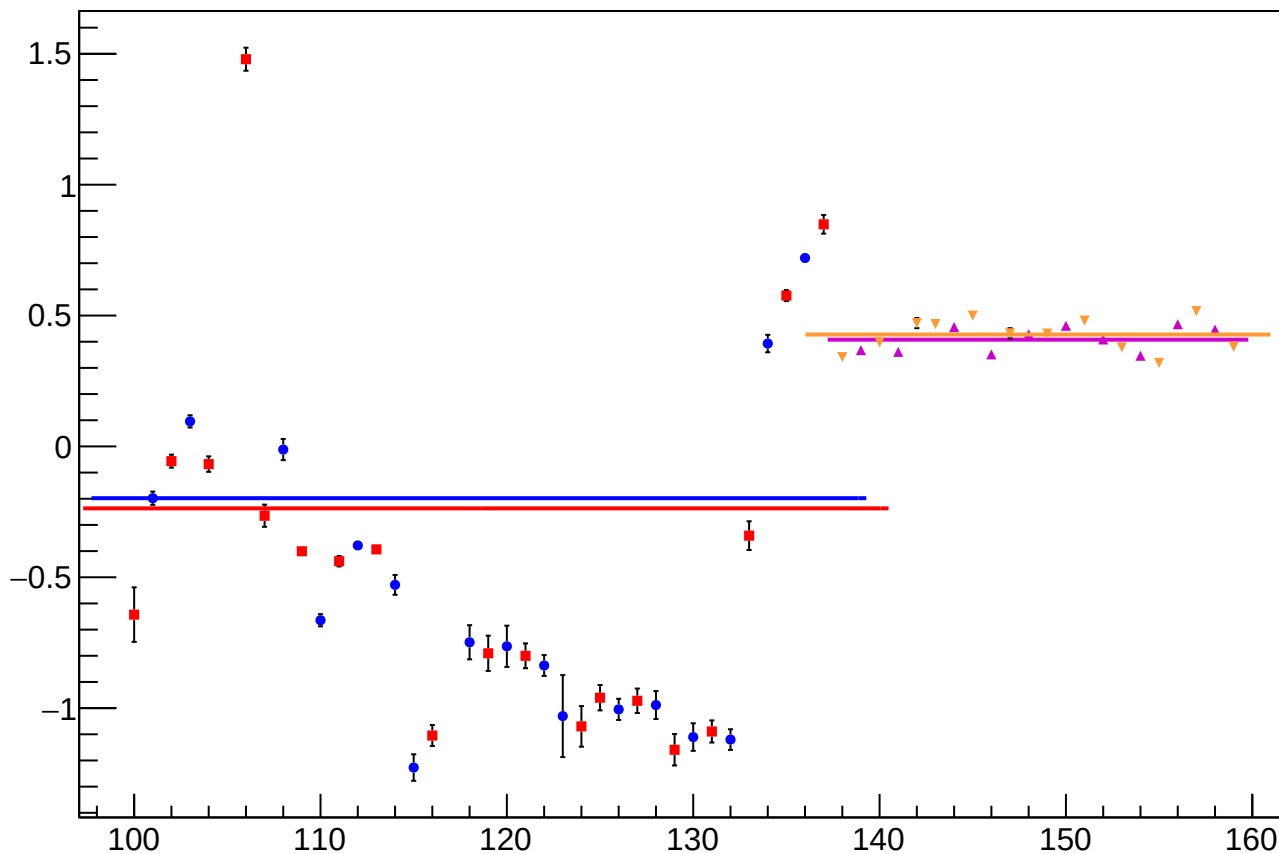
reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.072 ± 0.132 $\chi^2/\text{NDF}: 1640.9/16$
 Left Out: -16.914 ± 0.095 $\chi^2/\text{NDF}: 1602.4/11$
 Right Out: -16.799 ± 0.128 $\chi^2/\text{NDF}: 1215.8/18$
 Left In: -16.763 ± 0.099 $\chi^2/\text{NDF}: 1132.0/9$

Left: -16.842 ± 0.069 $\chi^2/\text{NDF}: 2735.6/21$
 Right: -16.447 ± 0.092 $\chi^2/\text{NDF}: 2872.2/35$
 In: -16.513 ± 0.079 $\chi^2/\text{NDF}: 2790.4/26$
 Out: -16.873 ± 0.076 $\chi^2/\text{NDF}: 2818.6/30$
 All: -16.701 ± 0.055 $\chi^2/\text{NDF}: 5619.7/57$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.198 ± 0.008 χ^2/NDF : 6338.8/16

Left Out: 0.427 ± 0.005 χ^2/NDF : 190.7/11

Right Out: -0.237 ± 0.007 χ^2/NDF : 6221.9/18

Left In: 0.408 ± 0.005 χ^2/NDF : 95.3/9

Left: 0.418 ± 0.003 χ^2/NDF : 295.0/21

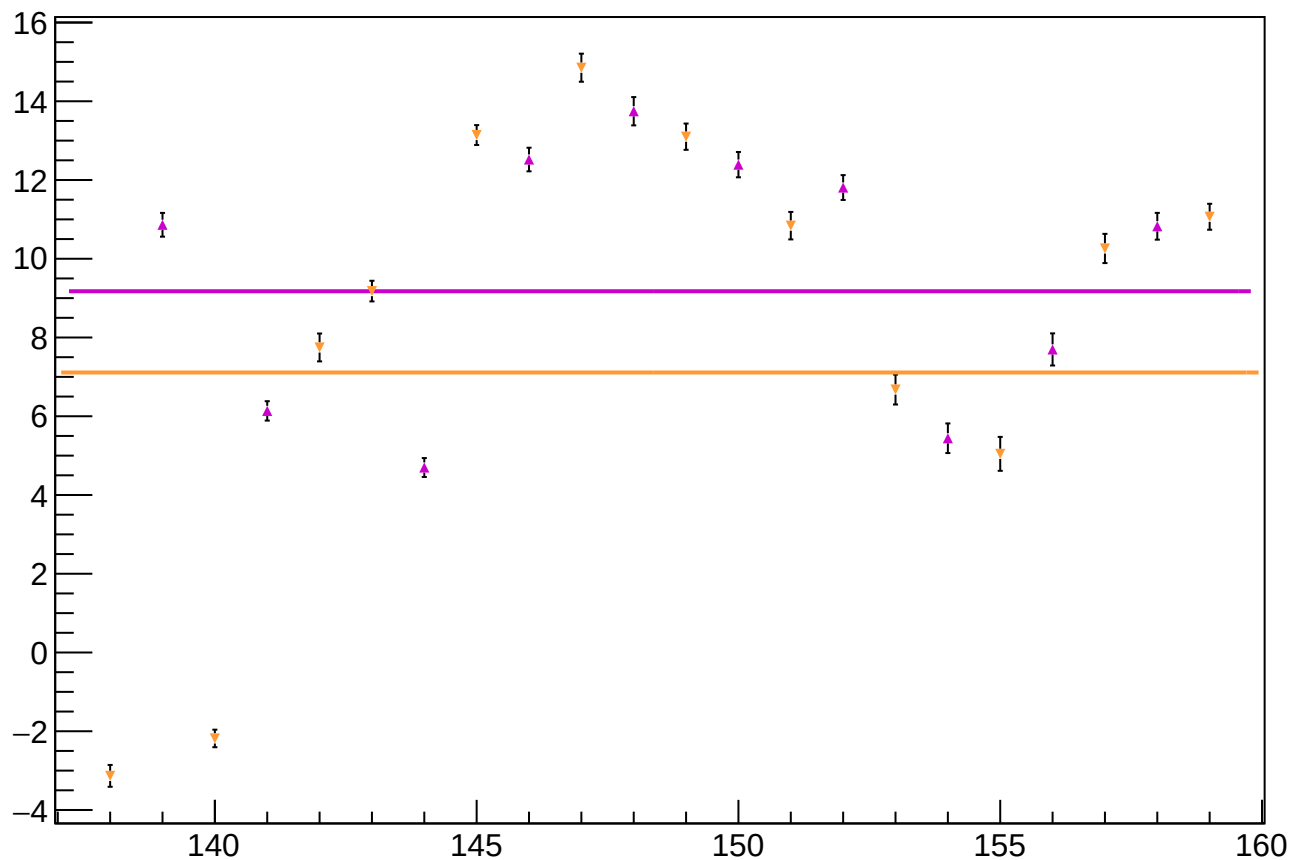
Right: -0.218 ± 0.005 χ^2/NDF : 12574.6/35

In: 0.237 ± 0.004 χ^2/NDF : 11071.0/26

Out: 0.239 ± 0.004 χ^2/NDF : 12560.6/30

All: 0.238 ± 0.003 χ^2/NDF : 23631.8/57

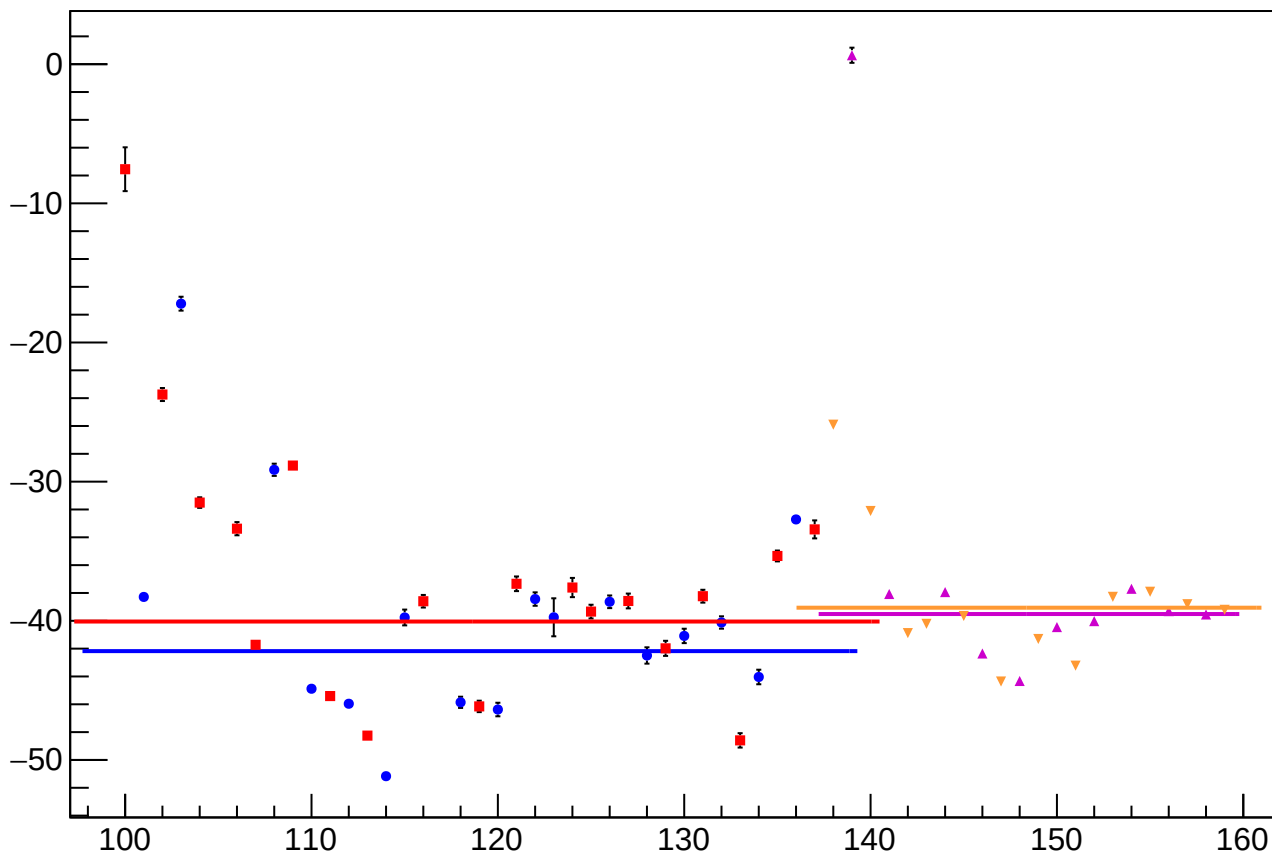
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.111+/-0.089 χ^2/NDF :4888.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.175+/-0.098 χ^2/NDF :1121.3/9

Left: 8.053+/-0.066 χ^2/NDF : 6253.4/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 9.175+/-0.098 χ^2/NDF :1121.3/9
 Out: 7.111+/-0.089 χ^2/NDF :4888.8/11
 All: 8.053+/-0.066 χ^2/NDF : 6253.4/21

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: -39.058 ± 0.062 $\chi^2/\text{NDF}: 5497.9/11$

Right Out: -40.052 ± 0.073 $\chi^2/\text{NDF}: 11313.5/18$

Left In: -39.513 ± 0.068 $\chi^2/\text{NDF}: 6643.4/9$

Left: -39.266 ± 0.046 $\chi^2/\text{NDF}: 12165.6/21$

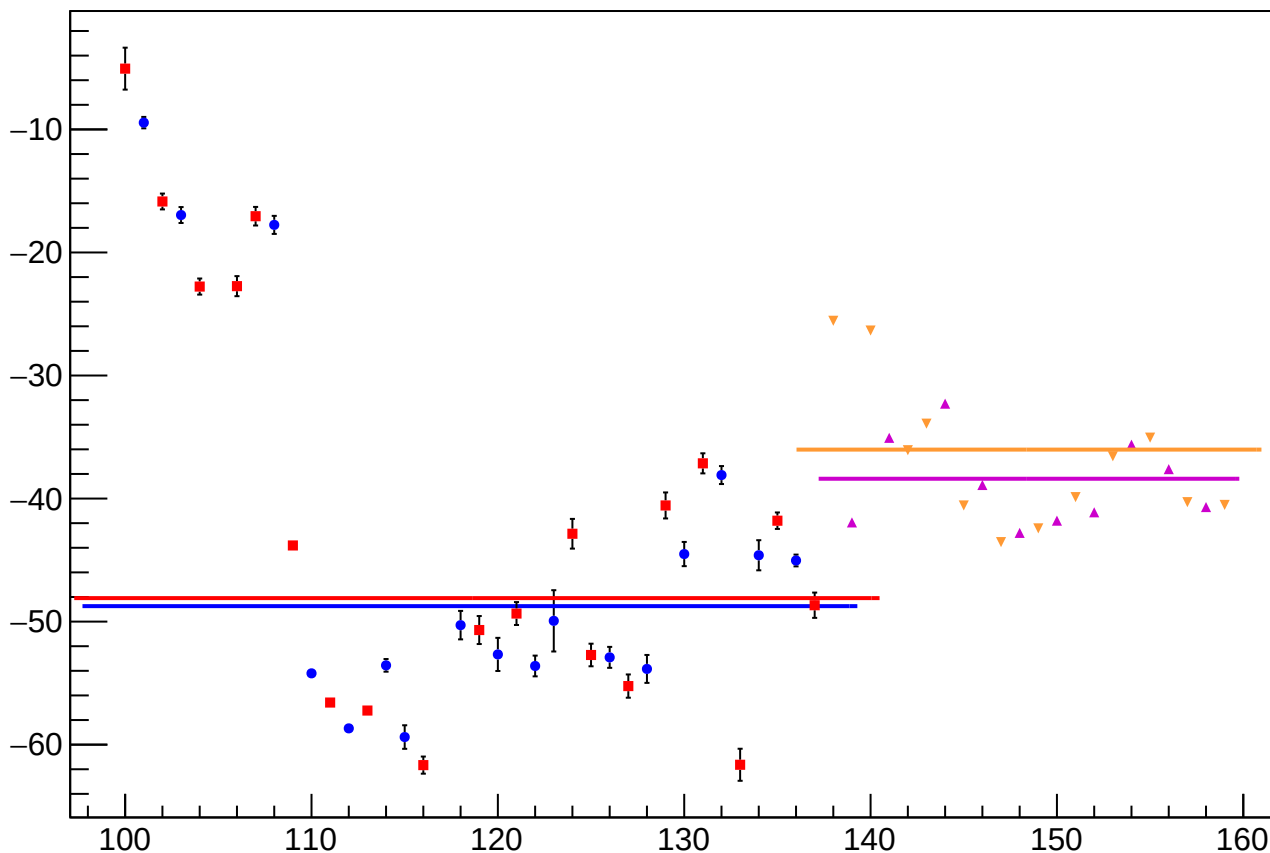
Right: -41.045 ± 0.053 $\chi^2/\text{NDF}: 18285.9/35$

In: -40.667 ± 0.051 $\chi^2/\text{NDF}: 13883.5/26$

Out: -39.478 ± 0.047 $\chi^2/\text{NDF}: 16919.2/30$

All: -40.025 ± 0.035 $\chi^2/\text{NDF}: 31094.2/57$

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: -36.021 ± 0.090 $\chi^2/\text{NDF}: 4665.1/11$

Right Out: -48.091 ± 0.107 $\chi^2/\text{NDF}: 11731.5/18$

Left In: -38.390 ± 0.097 $\chi^2/\text{NDF}: 1346.2/9$

Left: -37.119 ± 0.066 $\chi^2/\text{NDF}: 6334.2/21$

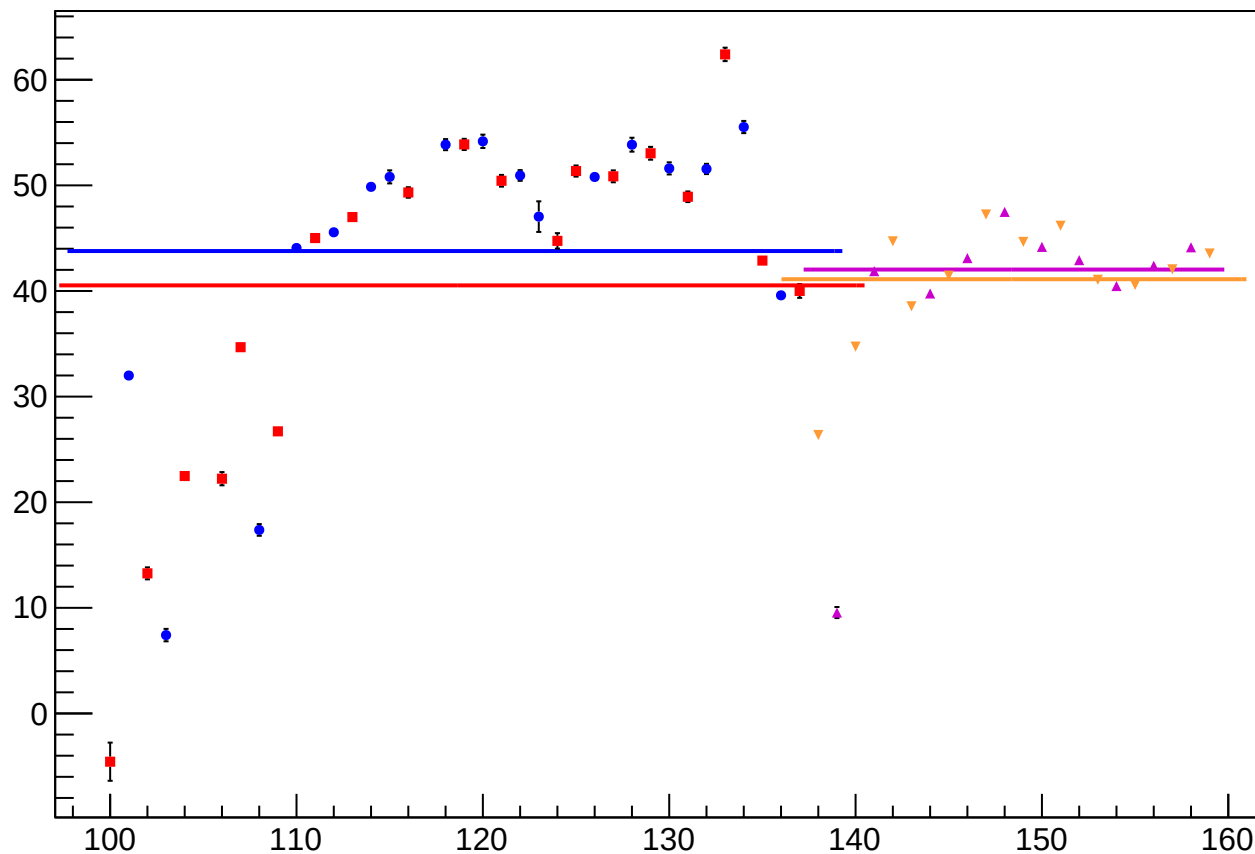
Right: -48.369 ± 0.081 $\chi^2/\text{NDF}: 26405.8/35$

In: -42.280 ± 0.076 $\chi^2/\text{NDF}: 20326.4/26$

Out: -40.992 ± 0.069 $\chi^2/\text{NDF}: 23849.3/30$

All: -41.570 ± 0.051 $\chi^2/\text{NDF}: 44332.9/57$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.782 $\pm$ 0.087 χ^2 /NDF: 10638.7/16

Left Out: 41.115 $\pm$ 0.075 χ^2 /NDF: 4780.3/11

Right Out: 40.530 $\pm$ 0.080 χ^2 /NDF: 17580.7/18

Left In: 42.030 $\pm$ 0.081 χ^2 /NDF: 4664.9/9

Left: 41.533 $\pm$ 0.055 χ^2 /NDF: 9514.1/21

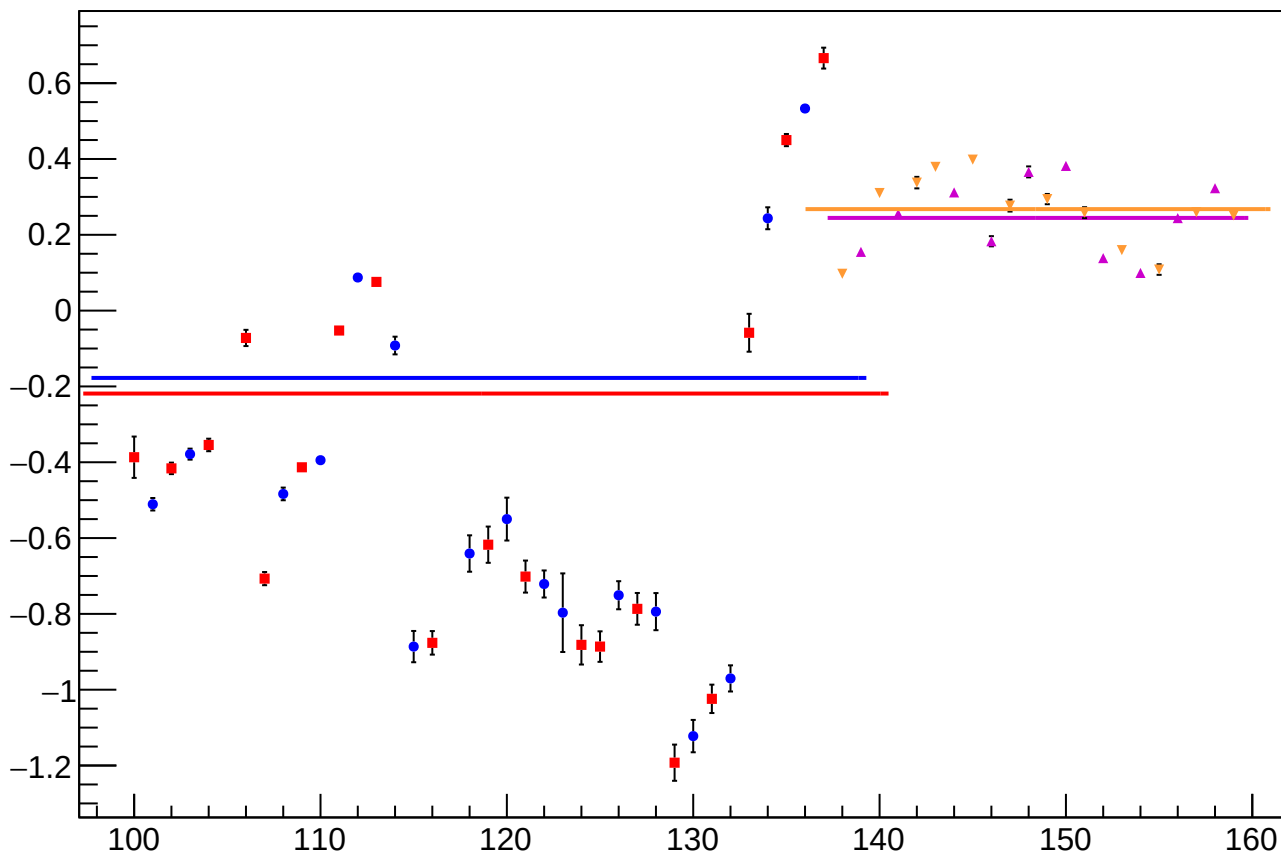
Right: 42.031 $\pm$ 0.059 χ^2 /NDF: 28978.3/35

In: 42.850 $\pm$ 0.059 χ^2 /NDF: 15521.5/26

Out: 40.844 $\pm$ 0.055 χ^2 /NDF: 22389.5/30

All: 41.765 $\pm$ 0.040 χ^2 /NDF: 38530.6/57

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.178 ± 0.005 χ^2/NDF : 7375.8/16

Left Out: 0.268 ± 0.004 χ^2/NDF : 706.7/11

Right Out: -0.219 ± 0.004 χ^2/NDF : 7470.0/18

Left In: 0.245 ± 0.004 χ^2/NDF : 570.1/9

Left: 0.257 ± 0.003 χ^2/NDF : 1296.6/21

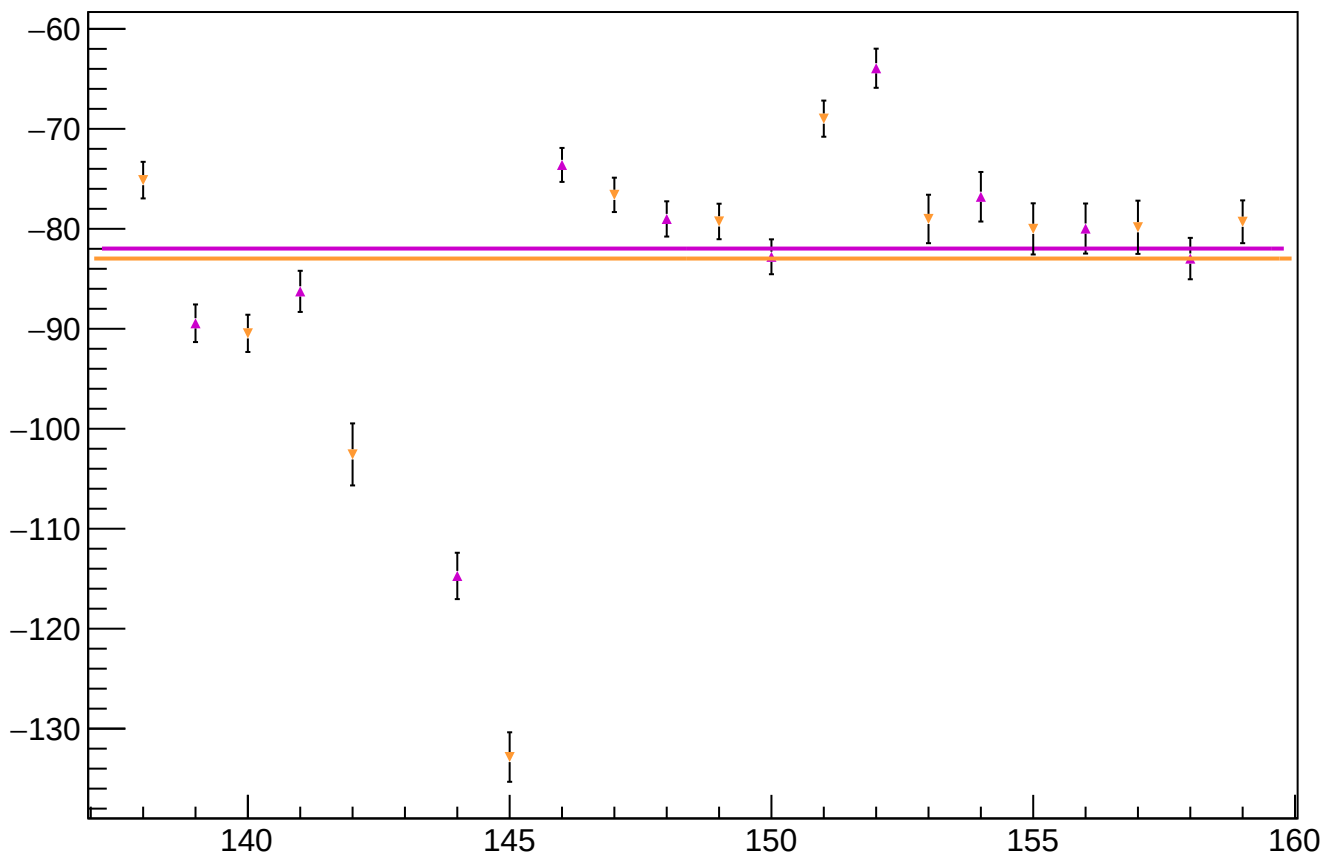
Right: -0.201 ± 0.003 χ^2/NDF : 14886.5/35

In: 0.083 ± 0.003 χ^2/NDF : 12641.1/26

Out: 0.071 ± 0.003 χ^2/NDF : 15791.0/30

All: 0.076 ± 0.002 χ^2/NDF : 28440.8/57

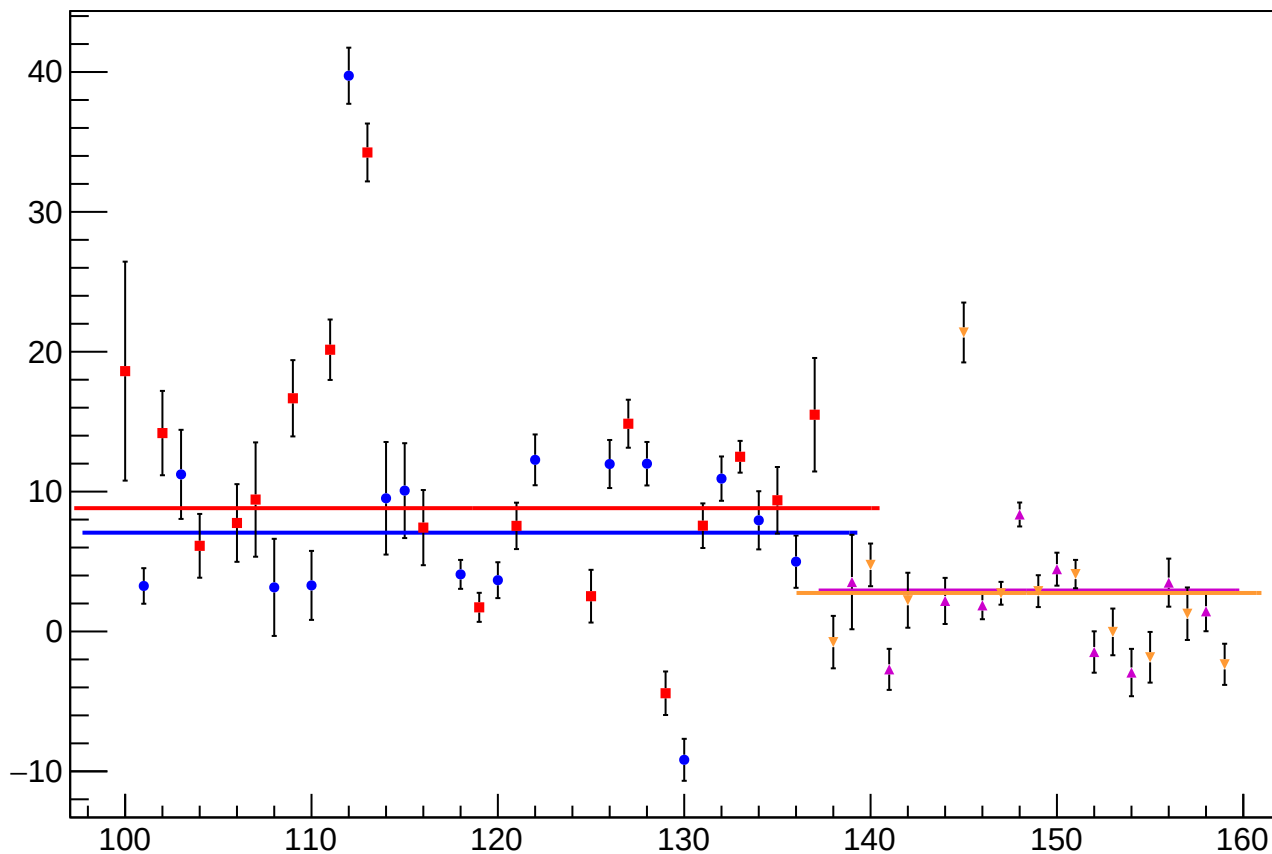
reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -82.973+/-0.633 χ^2/NDF :566.4/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -81.975+/-0.630 χ^2/NDF :337.2/9

Left: -82.472+/-0.447 χ^2/NDF : 904.9/20
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -81.975+/-0.630 χ^2/NDF :337.2/9
 Out: -82.973+/-0.633 χ^2/NDF :566.4/10
 All: -82.472+/-0.447 χ^2/NDF : 904.9/20

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: 2.753 ± 0.413 $\chi^2/\text{NDF}: 104.7/10$

Right Out: 8.816 ± 0.449 $\chi^2/\text{NDF}: 350.4/17$

Left In: 2.928 ± 0.420 $\chi^2/\text{NDF}: 80.1/9$

Left: 2.839 ± 0.295 $\chi^2/\text{NDF}: 185.0/20$

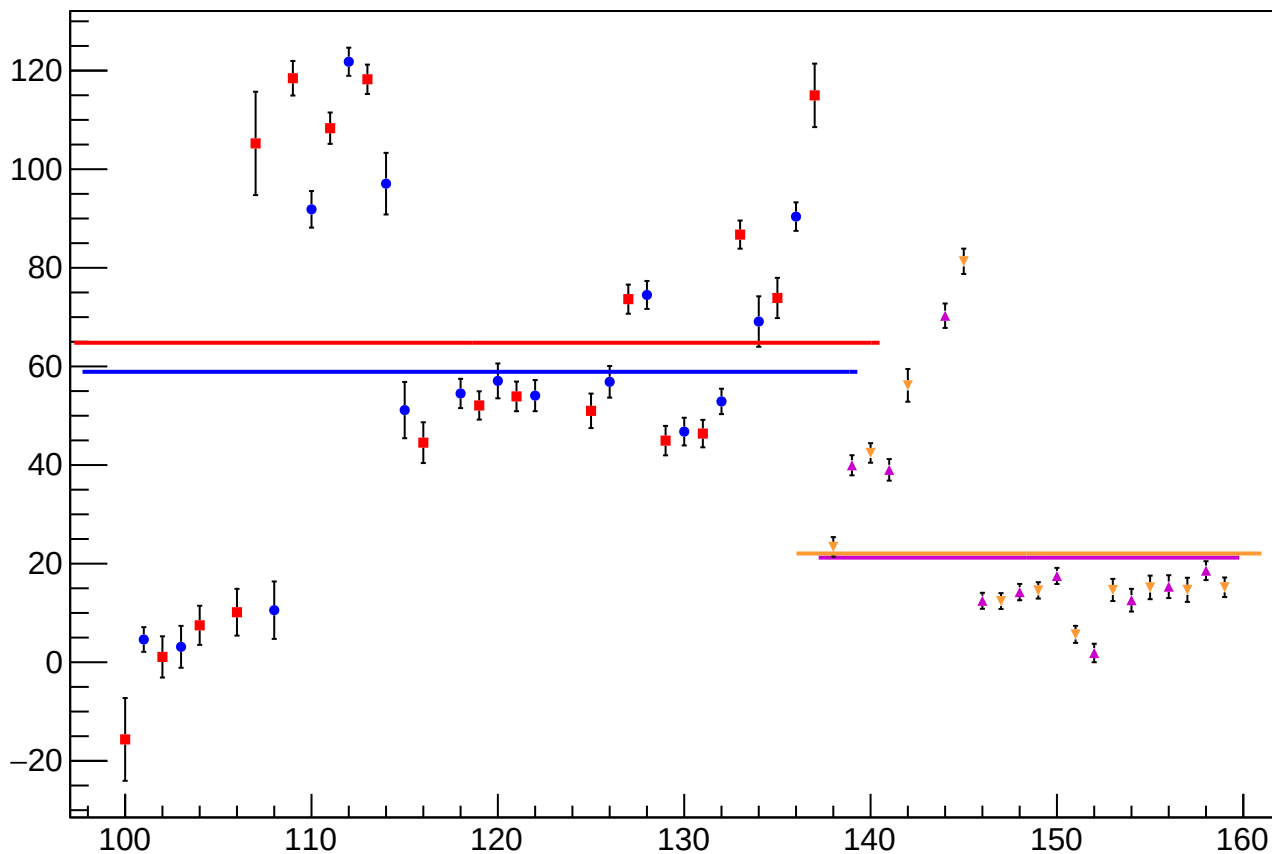
Right: 7.909 ± 0.312 $\chi^2/\text{NDF}: 805.1/33$

In: 4.932 ± 0.302 $\chi^2/\text{NDF}: 573.9/25$

Out: 5.535 ± 0.304 $\chi^2/\text{NDF}: 553.8/28$

All: 5.231 ± 0.214 $\chi^2/\text{NDF}: 1129.6/54$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.913 ± 0.831 $\chi^2/\text{NDF}: 1496.7/15$

Left Out: 22.061 ± 0.617 $\chi^2/\text{NDF}: 930.3/10$

Right Out: 64.803 ± 0.840 $\chi^2/\text{NDF}: 1718.2/17$

Left In: 21.222 ± 0.613 $\chi^2/\text{NDF}: 723.4/9$

Left: 21.638 ± 0.435 $\chi^2/\text{NDF}: 1654.7/20$

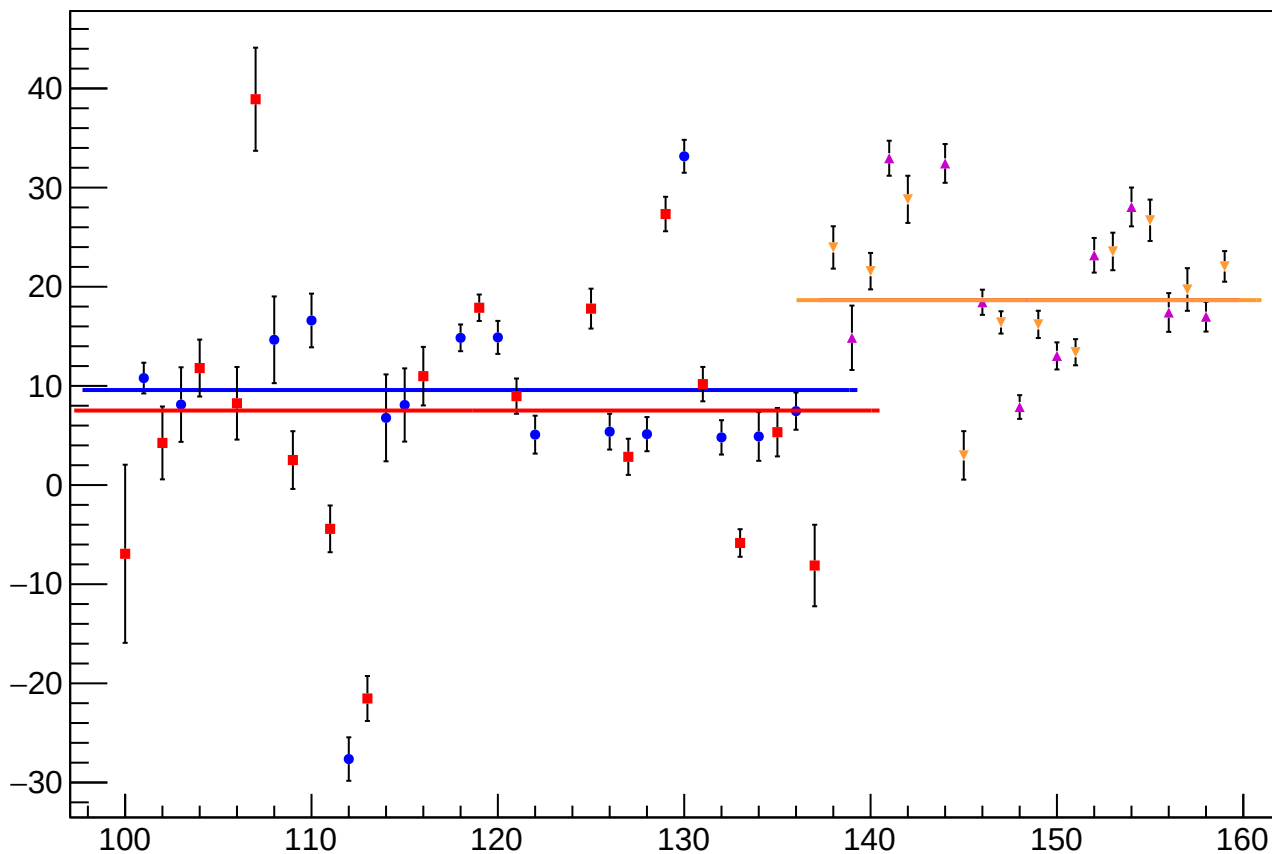
Right: 61.827 ± 0.591 $\chi^2/\text{NDF}: 3239.7/33$

In: 34.484 ± 0.493 $\chi^2/\text{NDF}: 3552.1/25$

Out: 37.022 ± 0.497 $\chi^2/\text{NDF}: 4330.4/28$

All: 35.743 ± 0.350 $\chi^2/\text{NDF}: 7895.6/54$

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.583 $\pm$ 0.501 χ^2/NDF : 554.4/15

Left Out: 18.649 $\pm$ 0.507 χ^2/NDF : 117.7/10

Right Out: 7.516 $\pm$ 0.516 χ^2/NDF : 569.8/17

Left In: 18.656 $\pm$ 0.511 χ^2/NDF : 246.3/9

Left: 18.653 $\pm$ 0.360 χ^2/NDF : 364.0/20

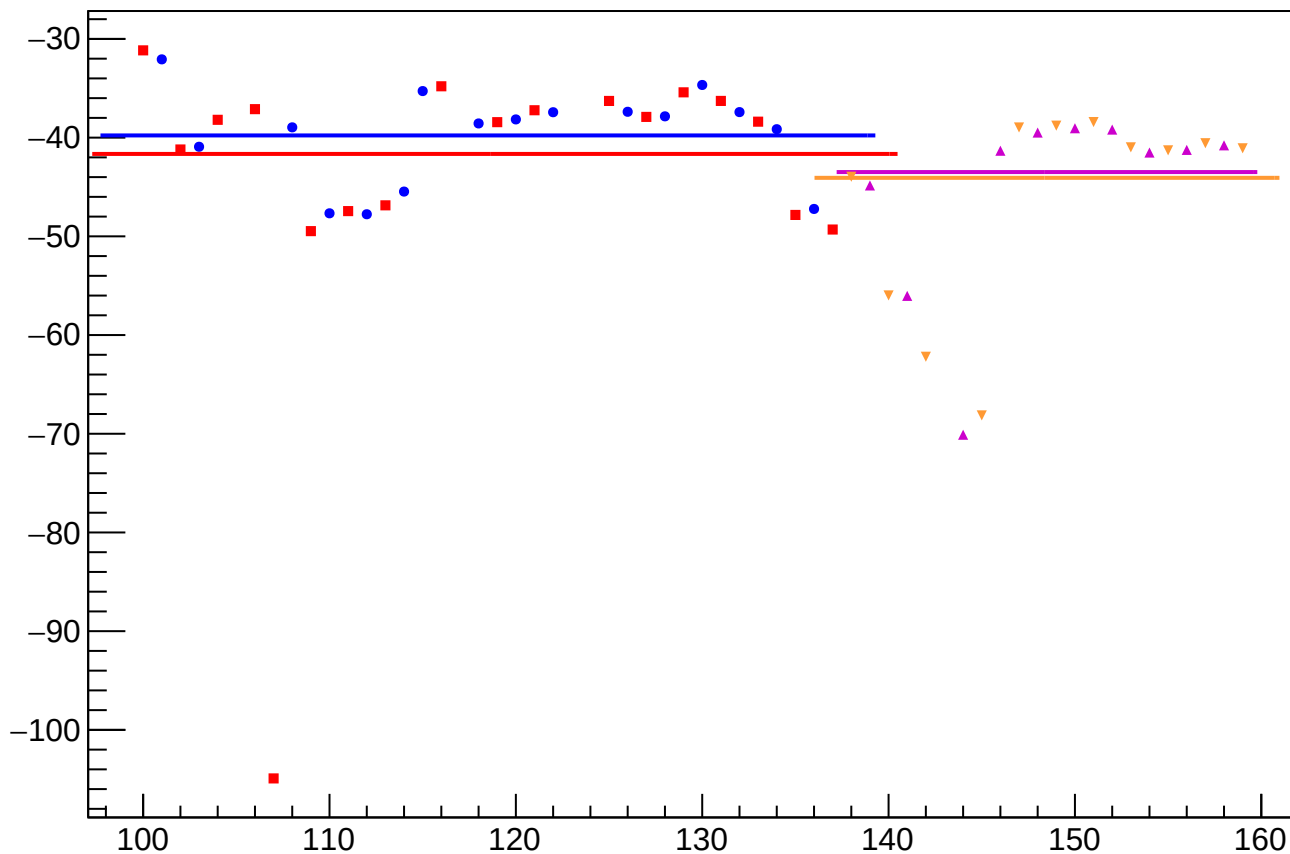
Right: 8.579 $\pm$ 0.359 χ^2/NDF : 1132.5/33

In: 14.028 $\pm$ 0.358 χ^2/NDF : 961.3/25

Out: 13.181 $\pm$ 0.361 χ^2/NDF : 924.7/28

All: 13.609 $\pm$ 0.254 χ^2/NDF : 1888.8/54

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.777 ± 0.031 $\chi^2/\text{NDF}: 26158.0/15$

Left Out: -44.072 ± 0.025 $\chi^2/\text{NDF}: 115207.5/10$

Right Out: -41.651 ± 0.031 $\chi^2/\text{NDF}: 94457.5/17$

Left In: -43.488 ± 0.024 $\chi^2/\text{NDF}: 94731.5/9$

Left: -43.775 ± 0.017 $\chi^2/\text{NDF}: 210224.7/20$

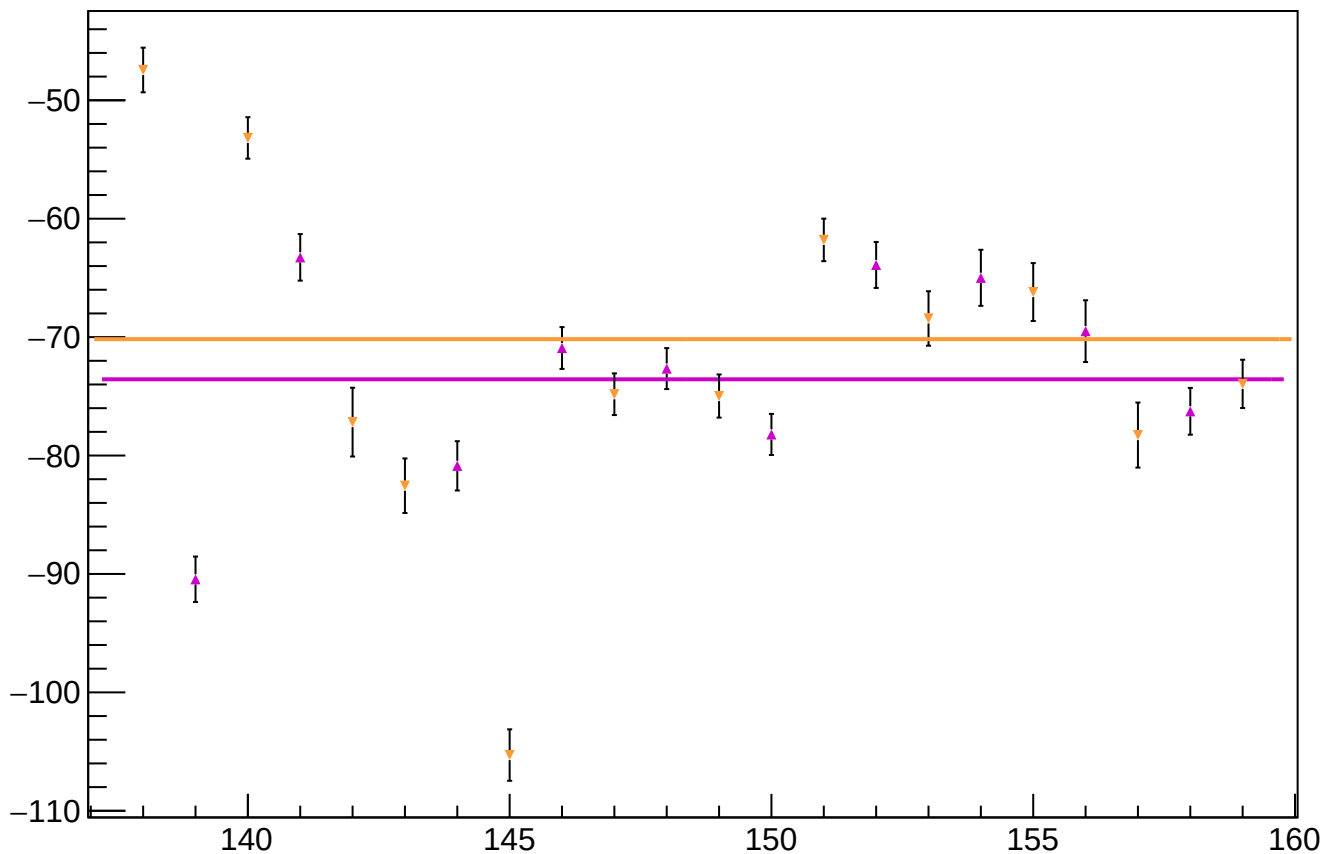
Right: -40.710 ± 0.022 $\chi^2/\text{NDF}: 122427.7/33$

In: -42.085 ± 0.019 $\chi^2/\text{NDF}: 129764.3/25$

Out: -43.140 ± 0.019 $\chi^2/\text{NDF}: 213371.8/28$

All: -42.606 ± 0.014 $\chi^2/\text{NDF}: 344641.8/54$

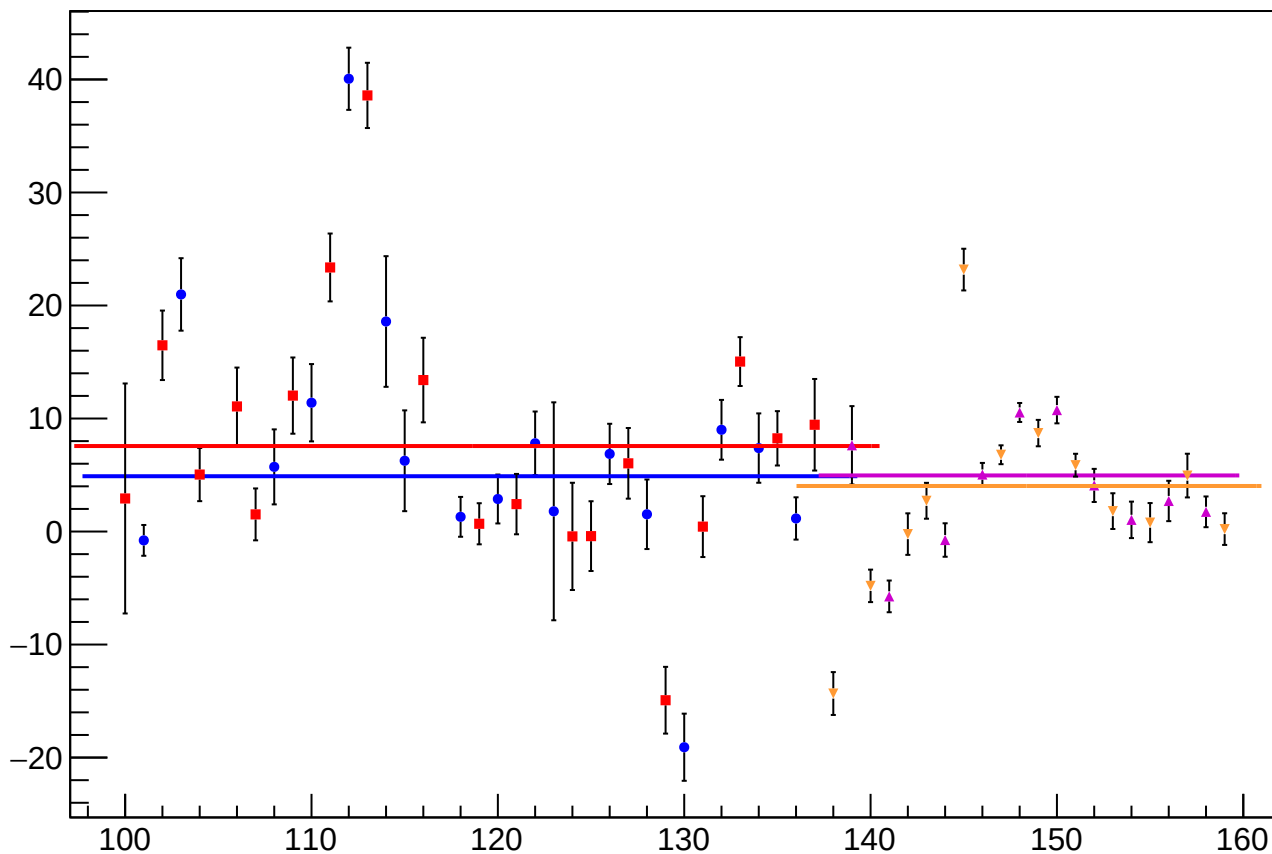
reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -70.171+/-0.599 χ^2/NDF :586.3/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -73.563+/-0.621 χ^2/NDF :169.0/9

Left: -71.806+/-0.431 χ^2/NDF : 770.7/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -73.563+/-0.621 χ^2/NDF :169.0/9
 Out: -70.171+/-0.599 χ^2/NDF :586.3/11
 All: -71.806+/-0.431 χ^2/NDF : 770.7/21

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.894 ± 0.621 χ^2/NDF : 295.4/16

Left Out: 4.030 ± 0.395 χ^2/NDF : 288.9/11

Right Out: 7.565 ± 0.652 χ^2/NDF : 270.2/18

Left In: 4.963 ± 0.414 χ^2/NDF : 155.5/9

Left: 4.475 ± 0.286 χ^2/NDF : 447.0/21

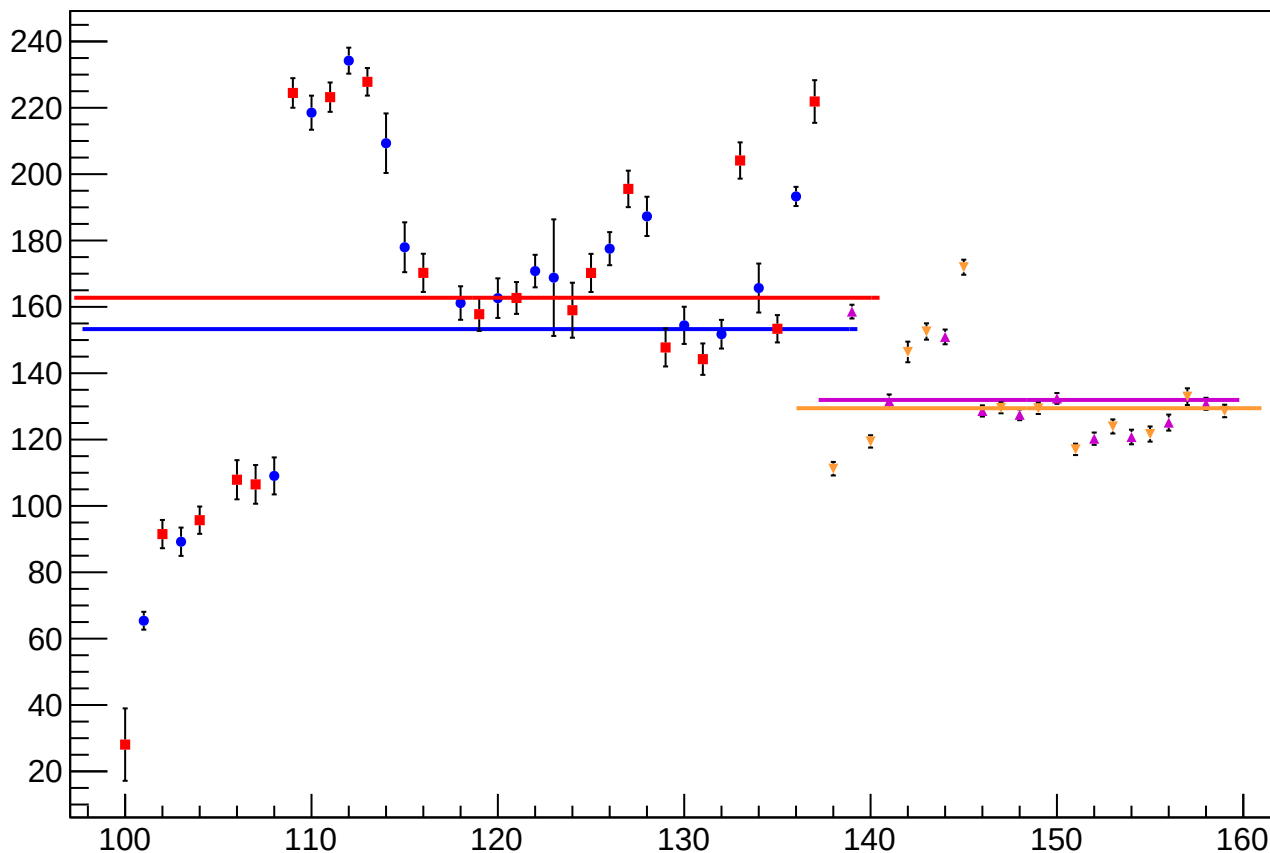
Right: 6.165 ± 0.450 χ^2/NDF : 574.4/35

In: 4.942 ± 0.344 χ^2/NDF : 450.9/26

Out: 4.980 ± 0.338 χ^2/NDF : 580.6/30

All: 4.961 ± 0.241 χ^2/NDF : 1031.5/57

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.298 $\pm$ 1.145 χ^2 /NDF: 2266.8/16

Left Out: 129.452 $\pm$ 0.588 χ^2 /NDF: 650.0/11

Right Out: 162.747 $\pm$ 1.177 χ^2 /NDF: 1708.7/18

Left In: 131.947 $\pm$ 0.604 χ^2 /NDF: 322.2/9

Left: 130.666 $\pm$ 0.421 χ^2 /NDF: 980.9/21

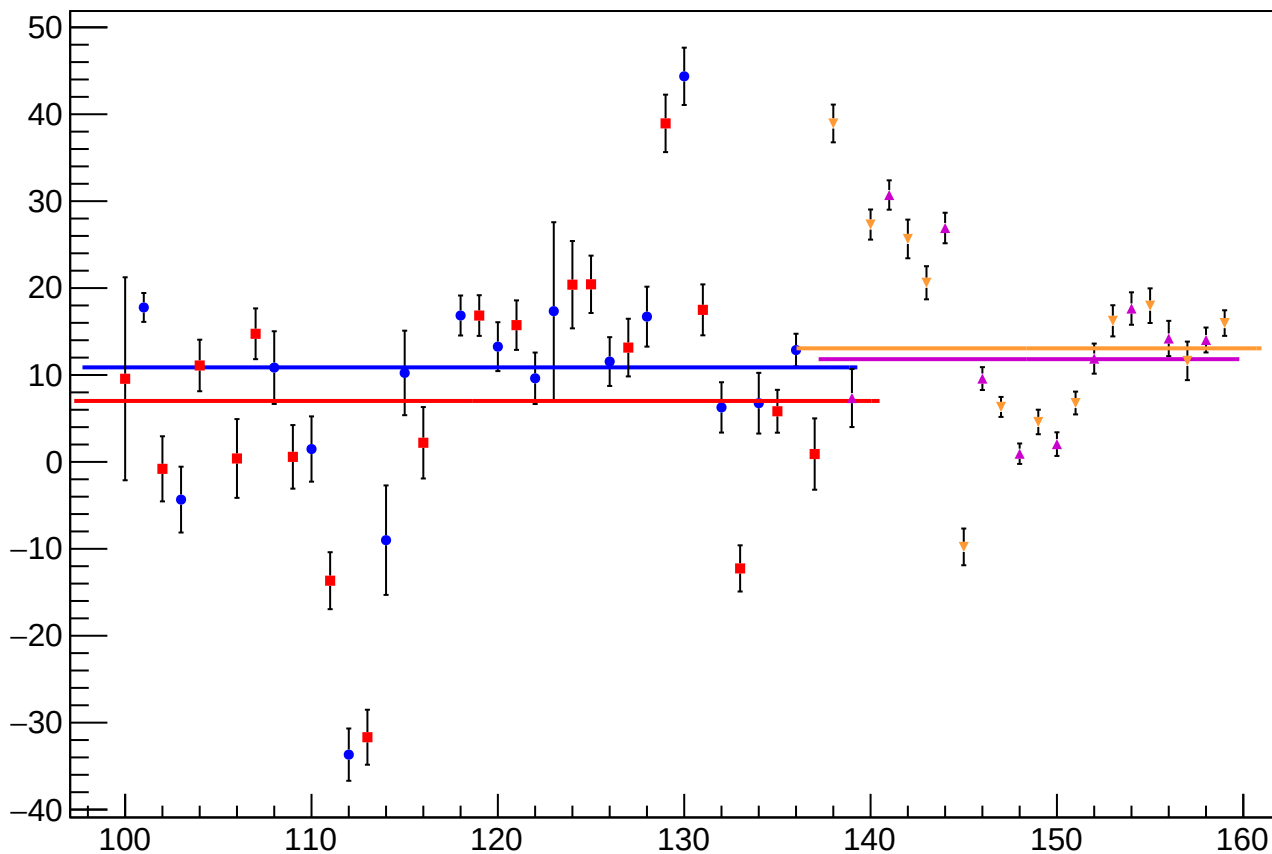
Right: 157.893 $\pm$ 0.820 χ^2 /NDF: 4008.6/35

In: 136.598 $\pm$ 0.534 χ^2 /NDF: 2861.0/26

Out: 136.105 $\pm$ 0.526 χ^2 /NDF: 2999.4/30

All: 136.347 $\pm$ 0.375 χ^2 /NDF: 5860.9/57

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.878 $\pm$ 0.713 χ^2 /NDF: 388.1/16

Left Out: 13.068 $\pm$ 0.482 χ^2 /NDF: 481.0/11

Right Out: 7.014 $\pm$ 0.748 χ^2 /NDF: 424.5/18

Left In: 11.821 $\pm$ 0.503 χ^2 /NDF: 354.6/9

Left: 12.472 $\pm$ 0.348 χ^2 /NDF: 838.9/21

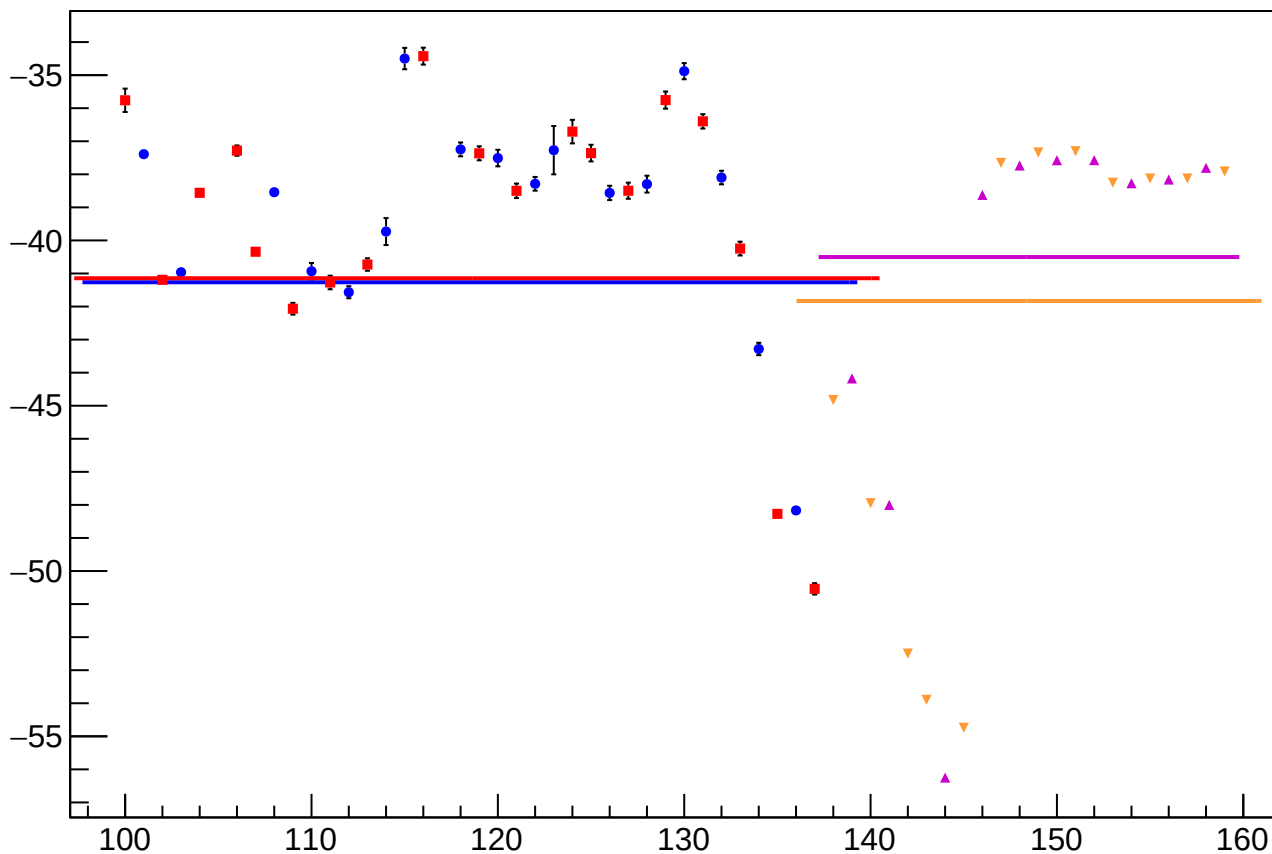
Right: 9.038 $\pm$ 0.516 χ^2 /NDF: 826.6/35

In: 11.508 $\pm$ 0.411 χ^2 /NDF: 743.9/26

Out: 11.295 $\pm$ 0.405 χ^2 /NDF: 951.9/30

All: 11.400 $\pm$ 0.288 χ^2 /NDF: 1695.9/57

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: -41.830 ± 0.023 $\chi^2/\text{NDF}: 69929.4/11$

Right Out: -41.144 ± 0.039 $\chi^2/\text{NDF}: 12218.7/18$

Left In: -40.502 ± 0.024 $\chi^2/\text{NDF}: 45447.8/9$

Left: -41.178 ± 0.017 $\chi^2/\text{NDF}: 116948.1/21$

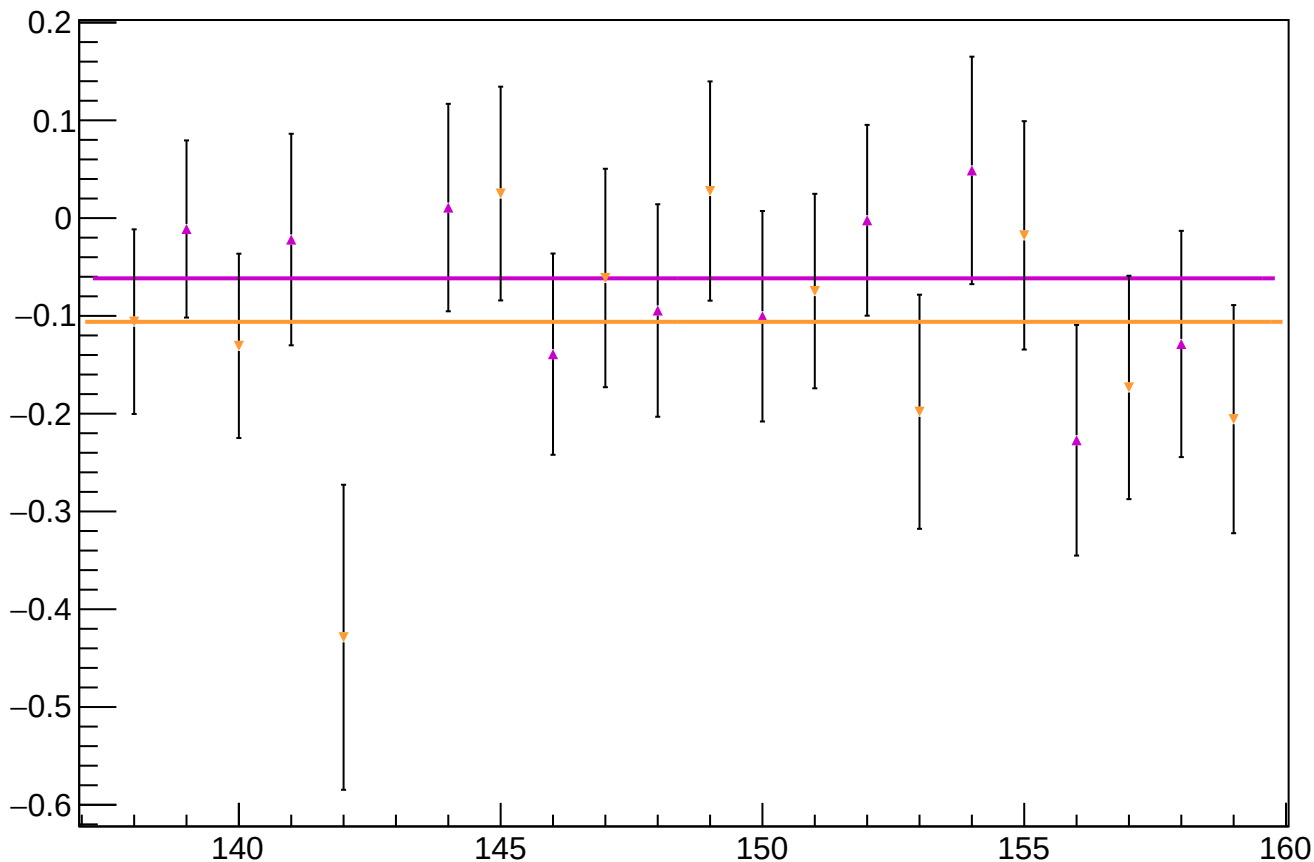
Right: -41.205 ± 0.027 $\chi^2/\text{NDF}: 24793.7/35$

In: -40.715 ± 0.020 $\chi^2/\text{NDF}: 58301.5/26$

Out: -41.645 ± 0.020 $\chi^2/\text{NDF}: 82378.8/30$

All: -41.185 ± 0.014 $\chi^2/\text{NDF}: 141742.5/57$

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.106 $\pm$ 0.033 χ^2 /NDF:9.7/10

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

Left In: -0.062 $\pm$ 0.034 χ^2 /NDF:5.3/9

Left: -0.084 $\pm$ 0.024 χ^2 /NDF: 15.9/20

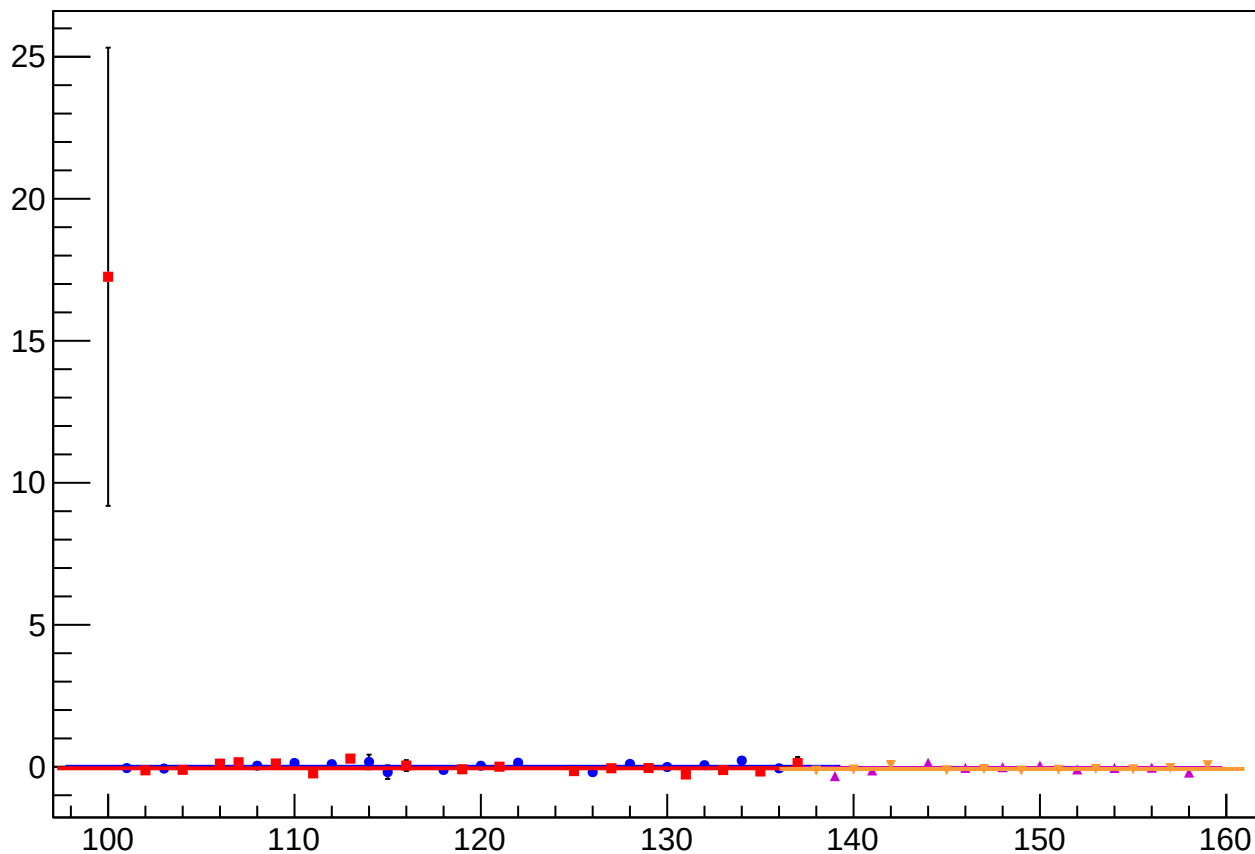
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.062 $\pm$ 0.034 χ^2 /NDF:5.3/9

Out: -0.106 $\pm$ 0.033 χ^2 /NDF:9.7/10

All: -0.084 $\pm$ 0.024 χ^2 /NDF: 15.9/20

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: -0.074 ± 0.023 $\chi^2/\text{NDF}: 6.4/10$

Right Out: -0.051 ± 0.029 $\chi^2/\text{NDF}: 25.8/17$

Left In: -0.039 ± 0.023 $\chi^2/\text{NDF}: 16.4/9$

Left: -0.057 ± 0.016 $\chi^2/\text{NDF}: 24.0/20$

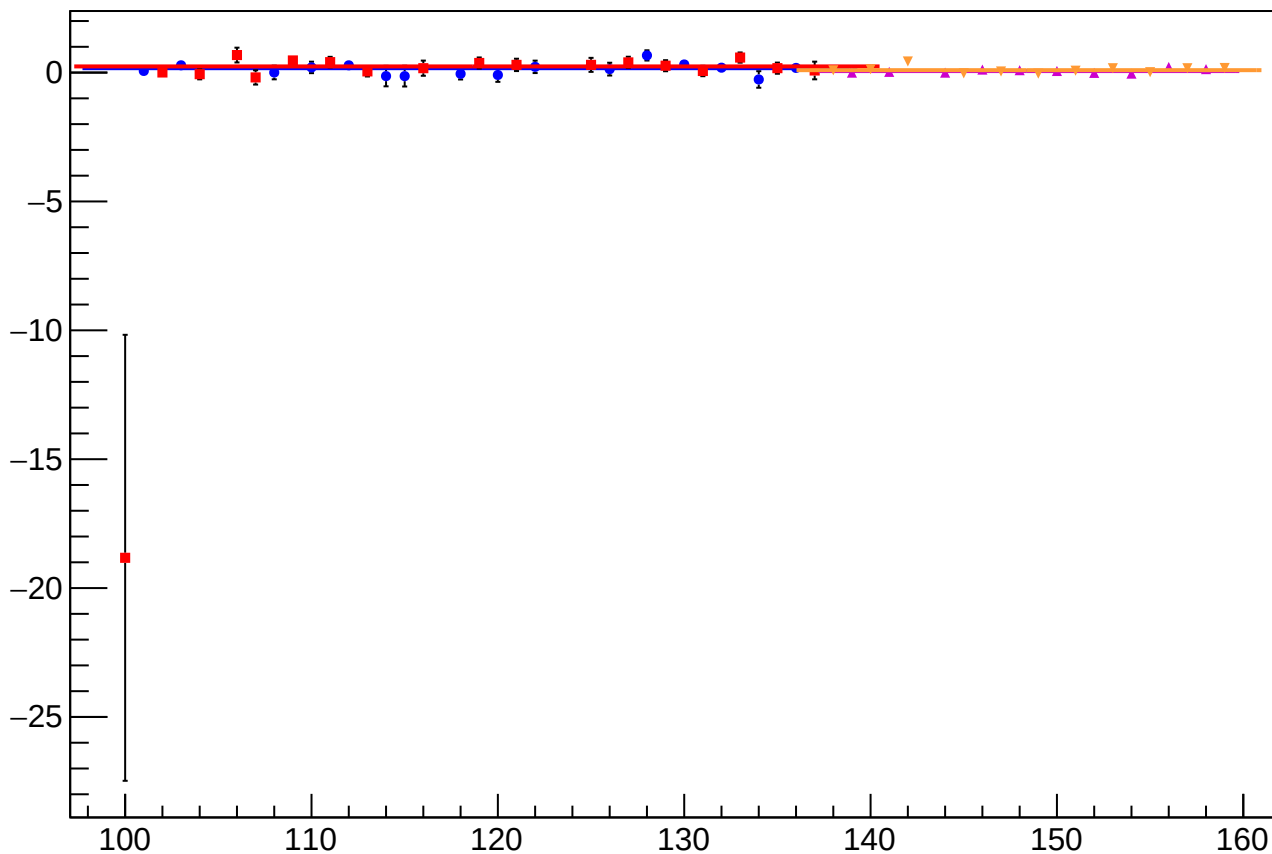
Right: -0.024 ± 0.020 $\chi^2/\text{NDF}: 40.0/33$

In: -0.023 ± 0.018 $\chi^2/\text{NDF}: 30.2/25$

Out: -0.066 ± 0.018 $\chi^2/\text{NDF}: 32.6/28$

All: -0.044 ± 0.013 $\chi^2/\text{NDF}: 65.6/54$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.171+/-0.052 χ^2/NDF : 13.7/15

Left Out: 0.093+/-0.033 χ^2/NDF : 9.4/10

Right Out: 0.239+/-0.054 χ^2/NDF : 21.8/17

Left In: 0.058+/-0.033 χ^2/NDF : 5.2/9

Left: 0.076+/-0.023 χ^2/NDF : 15.2/20

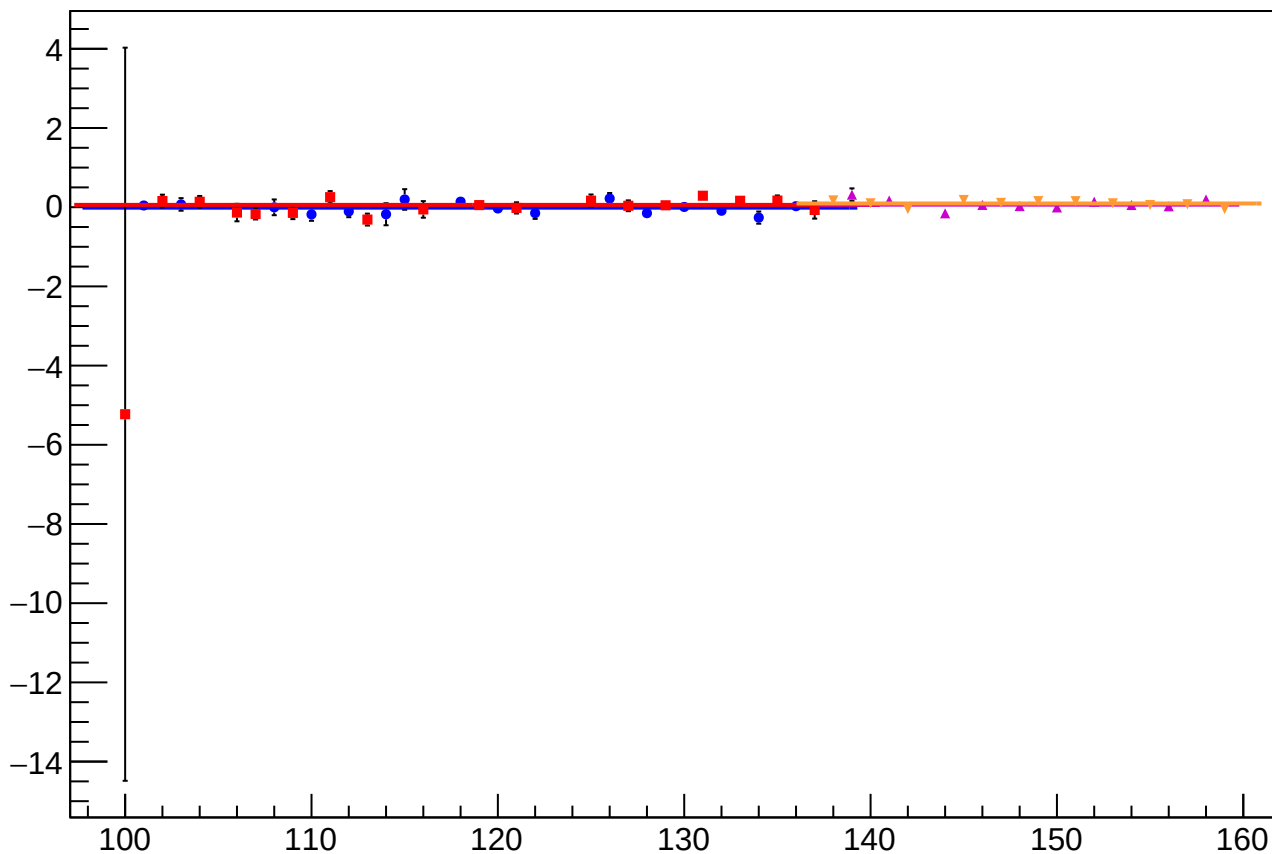
Right: 0.204+/-0.038 χ^2/NDF : 36.3/33

In: 0.090+/-0.028 χ^2/NDF : 22.2/25

Out: 0.132+/-0.028 χ^2/NDF : 36.5/28

All: 0.111+/-0.020 χ^2/NDF : 59.9/54

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.011 ± 0.033 χ^2/NDF : 13.8/15

Left Out: 0.094 ± 0.027 χ^2/NDF : 6.6/10

Right Out: 0.059 ± 0.034 χ^2/NDF : 20.6/17

Left In: 0.064 ± 0.028 χ^2/NDF : 14.0/9

Left: 0.079 ± 0.020 χ^2/NDF : 21.3/20

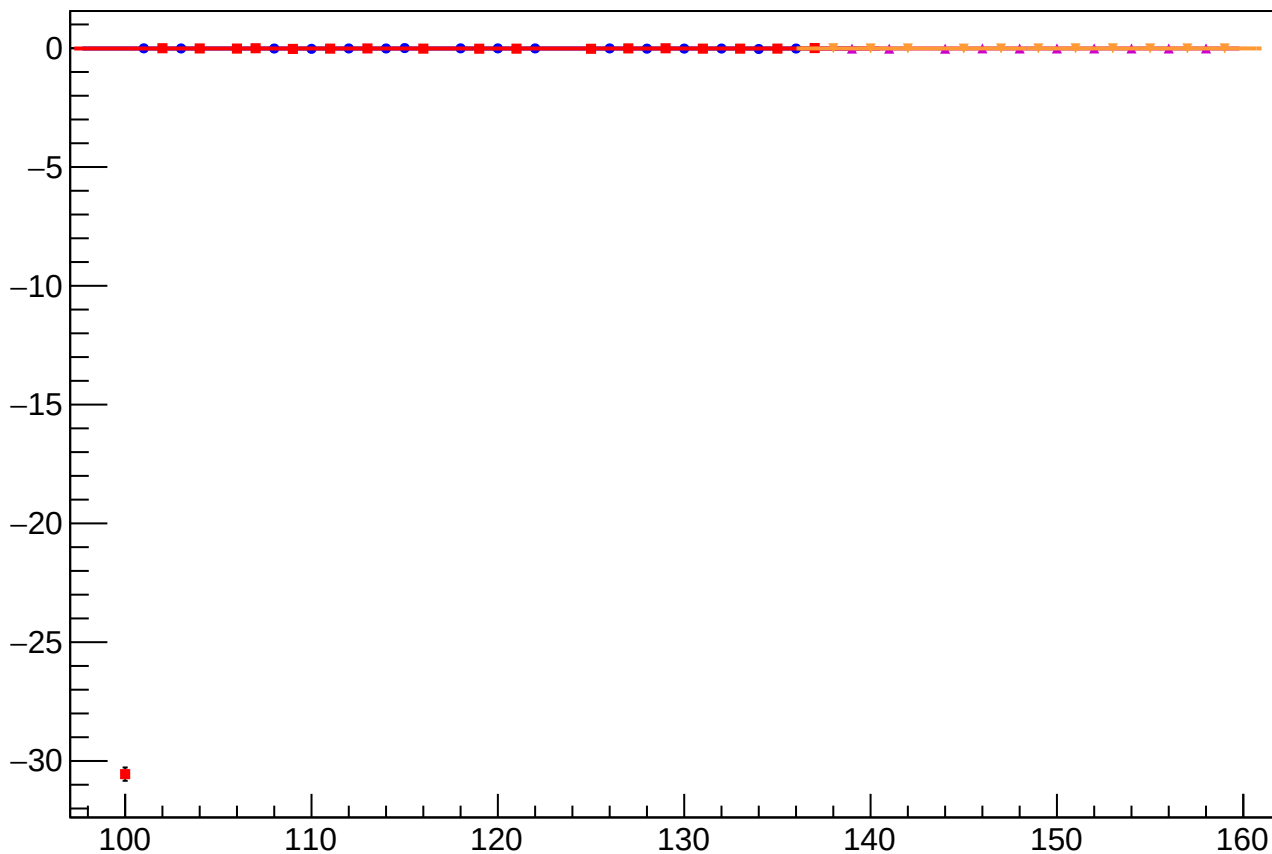
Right: 0.022 ± 0.023 χ^2/NDF : 36.5/33

In: 0.032 ± 0.021 χ^2/NDF : 30.9/25

Out: 0.080 ± 0.021 χ^2/NDF : 27.9/28

All: 0.056 ± 0.015 χ^2/NDF : 61.3/54

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.9/15

Left Out: -0.009 $\pm$ 0.001 χ^2 /NDF:8.2/10

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.5/17

Left In: -0.011 $\pm$ 0.001 χ^2 /NDF:9.6/9

Left: -0.010 $\pm$ 0.001 χ^2 /NDF: 19.6/20

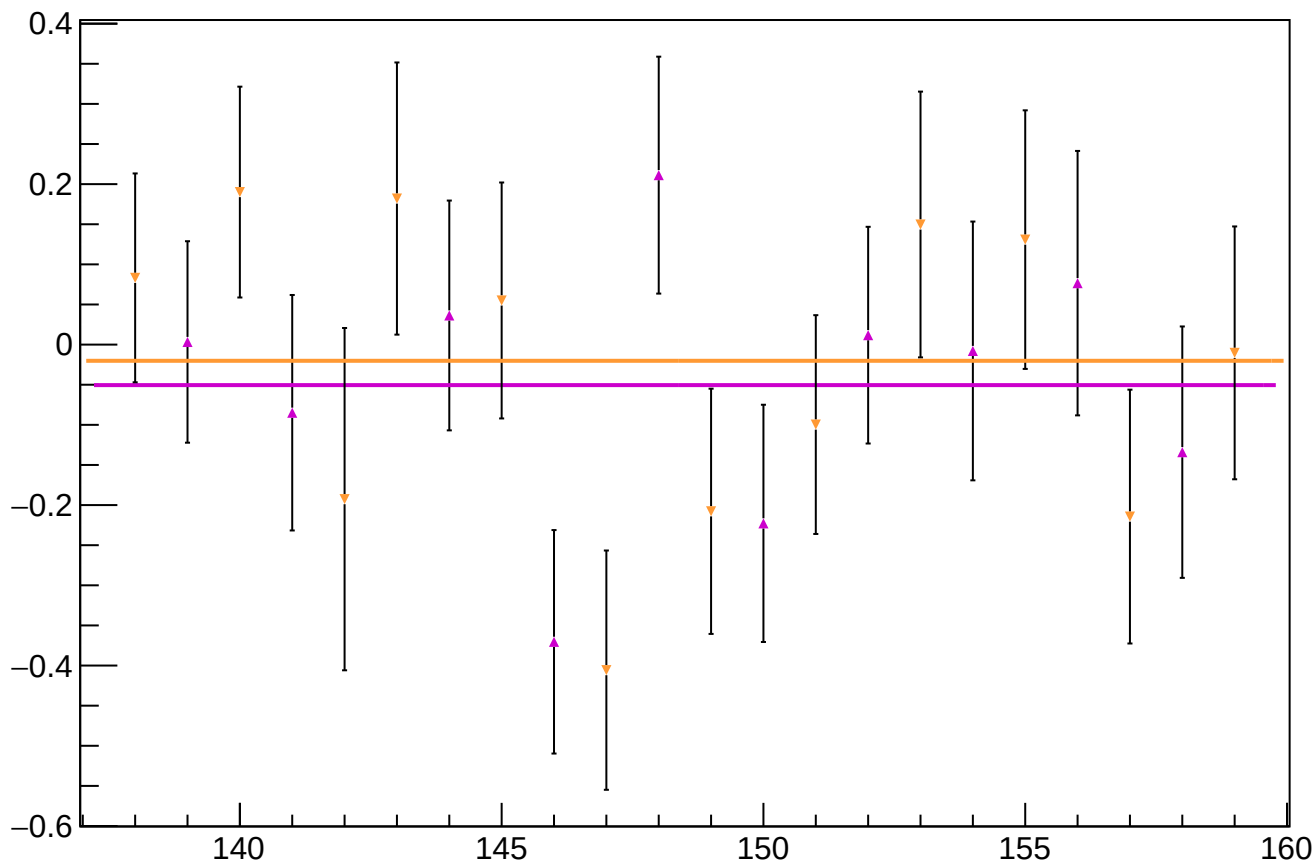
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11904.4/33

In: -0.011 $\pm$ 0.001 χ^2 /NDF:22.6/25

Out: -0.010 $\pm$ 0.001 χ^2 /NDF:11902.0/28

All: -0.011 $\pm$ 0.001 χ^2 /NDF: 11925.6/54

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: -0.020 $\pm$ 0.044 χ^2 /NDF:17.5/11

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

Left In: -0.050 $\pm$ 0.046 χ^2 /NDF:11.5/9

Left: -0.035 $\pm$ 0.032 χ^2 /NDF: 29.3/21

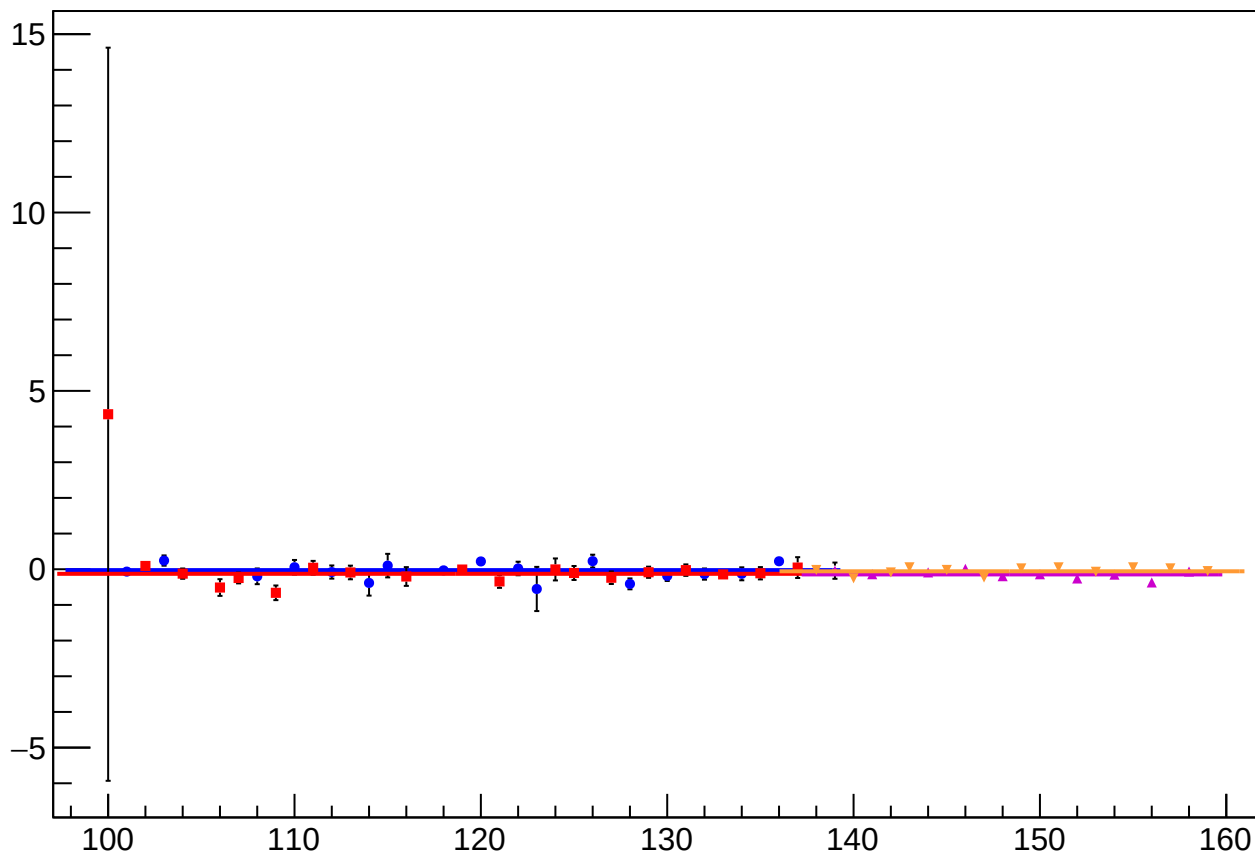
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.050 $\pm$ 0.046 χ^2 /NDF:11.5/9

Out: -0.020 $\pm$ 0.044 χ^2 /NDF:17.5/11

All: -0.035 $\pm$ 0.032 χ^2 /NDF: 29.3/21

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024±/0.037 χ^2/NDF : 23.4/16

Left Out: -0.057±/0.030 χ^2/NDF :14.7/11

Right Out: -0.128±/0.039 χ^2/NDF : 17.6/18

Left In: -0.145±/0.032 χ^2/NDF :10.4/9

Left: -0.099±/0.022 χ^2/NDF : 29.1/21

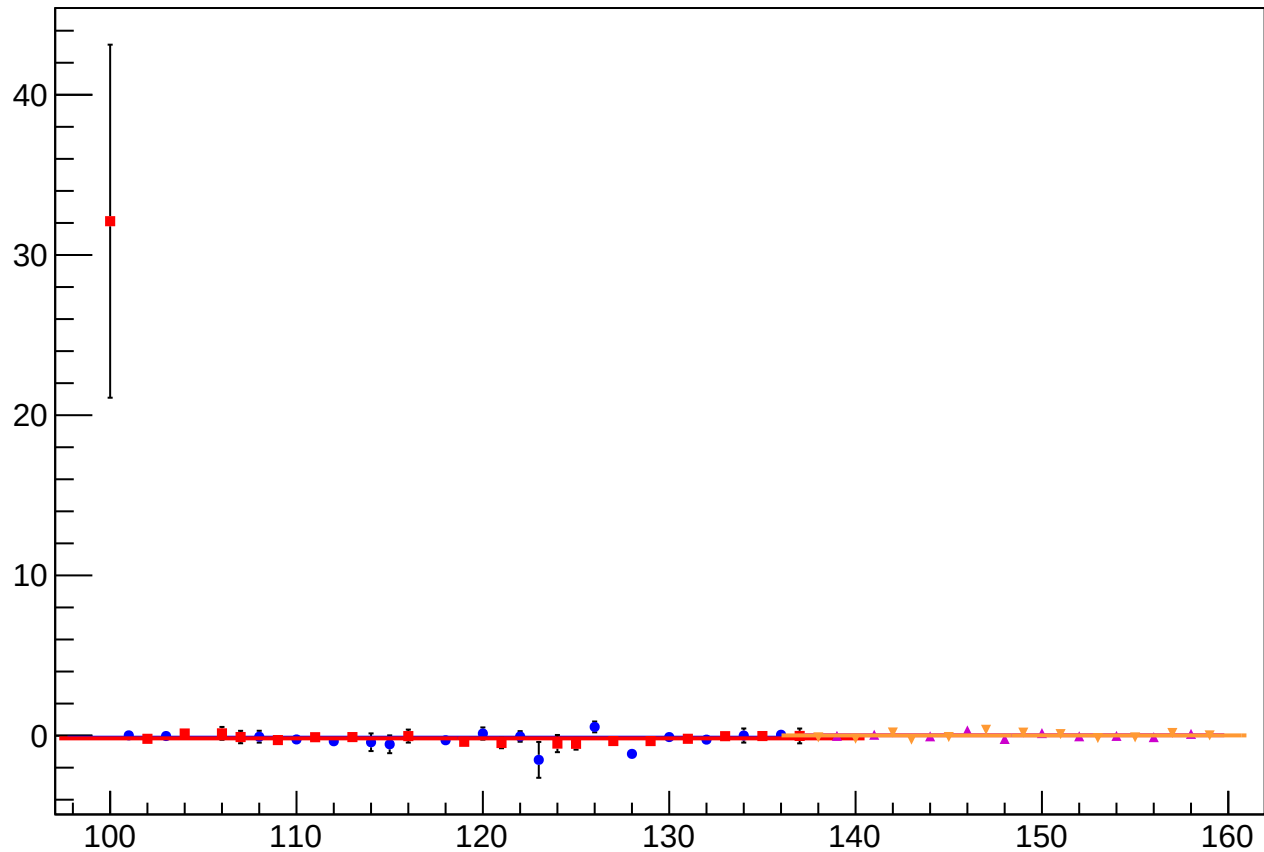
Right: -0.072±/0.027 χ^2/NDF : 44.7/35

In: -0.093±/0.024 χ^2/NDF :39.9/26

Out: -0.083±/0.024 χ^2/NDF :34.4/30

All: -0.088±/0.017 χ^2/NDF : 74.4/57

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 $\chi^2/\text{NDF}: 23.7/16$

Left Out: 0.013 ± 0.043 $\chi^2/\text{NDF}: 17.2/11$

Right Out: -0.172 ± 0.071 $\chi^2/\text{NDF}: 15.0/18$

Left In: 0.027 ± 0.045 $\chi^2/\text{NDF}: 10.4/9$

Left: 0.020 ± 0.031 $\chi^2/\text{NDF}: 27.6/21$

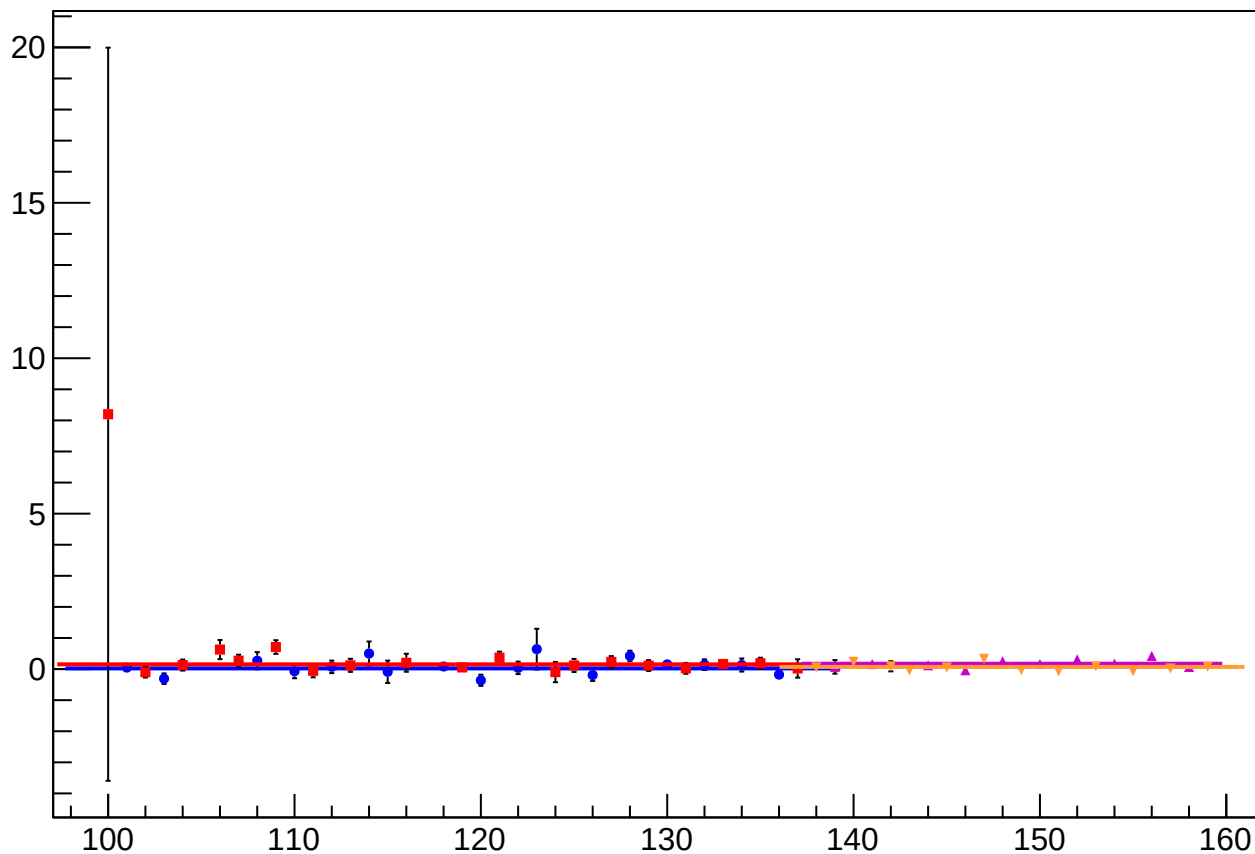
Right: -0.149 ± 0.049 $\chi^2/\text{NDF}: 39.0/35$

In: -0.022 ± 0.037 $\chi^2/\text{NDF}: 37.9/26$

Out: -0.037 ± 0.037 $\chi^2/\text{NDF}: 37.1/30$

All: -0.029 ± 0.026 $\chi^2/\text{NDF}: 75.1/57$

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.042 χ^2/NDF : 22.5/16

Left Out: 0.070+/-0.036 χ^2/NDF :13.3/11

Right Out: 0.152+/-0.045 χ^2/NDF : 16.2/18

Left In: 0.172+/-0.038 χ^2/NDF :10.9/9

Left: 0.118+/-0.026 χ^2/NDF : 27.9/21

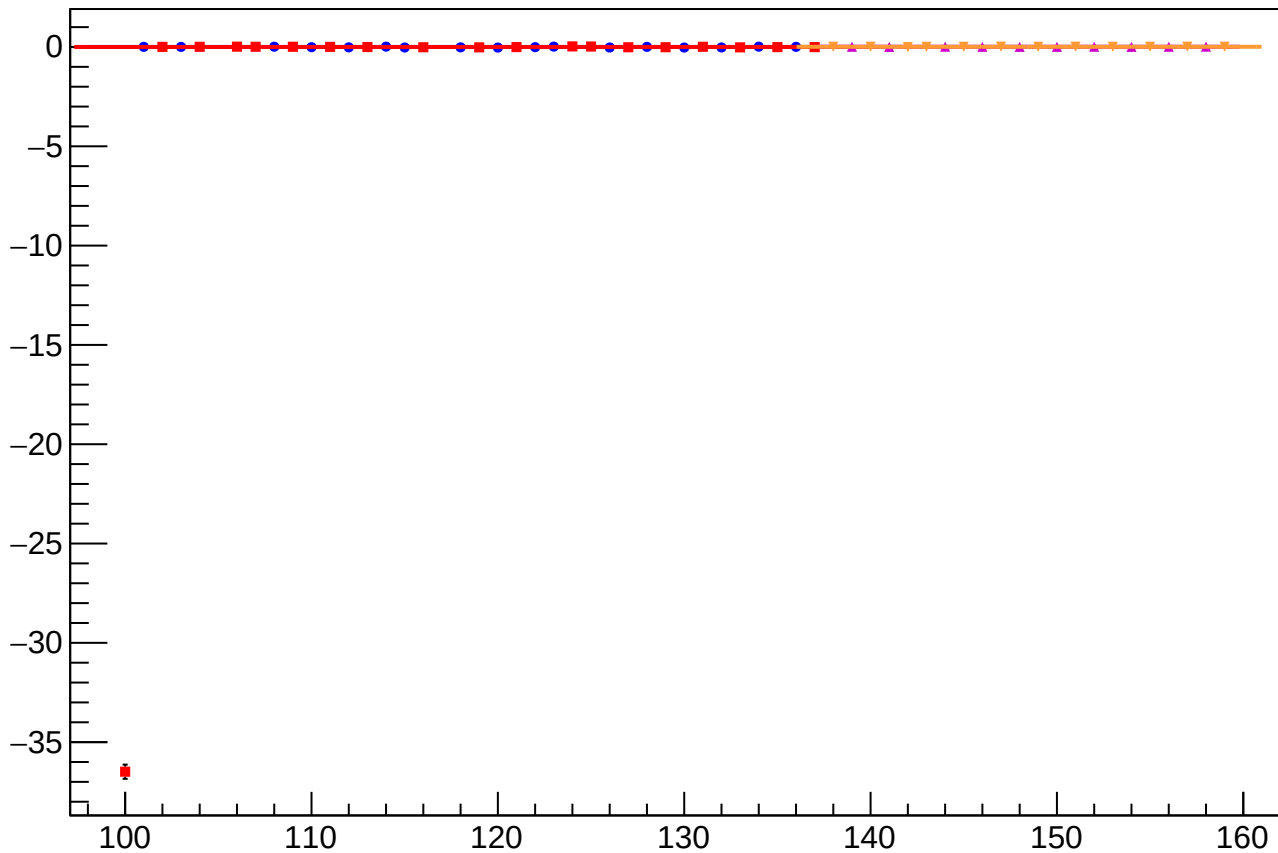
Right: 0.082+/-0.031 χ^2/NDF : 43.2/35

In: 0.104+/-0.028 χ^2/NDF :40.4/26

Out: 0.101+/-0.028 χ^2/NDF :31.5/30

All: 0.103+/-0.020 χ^2/NDF : 71.9/57

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: 0.011 $\pm$ 0.002 χ^2 /NDF:5.5/11

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.011 $\pm$ 0.002 χ^2 /NDF:4.8/9

Left: 0.011 $\pm$ 0.001 χ^2 /NDF: 10.4/21

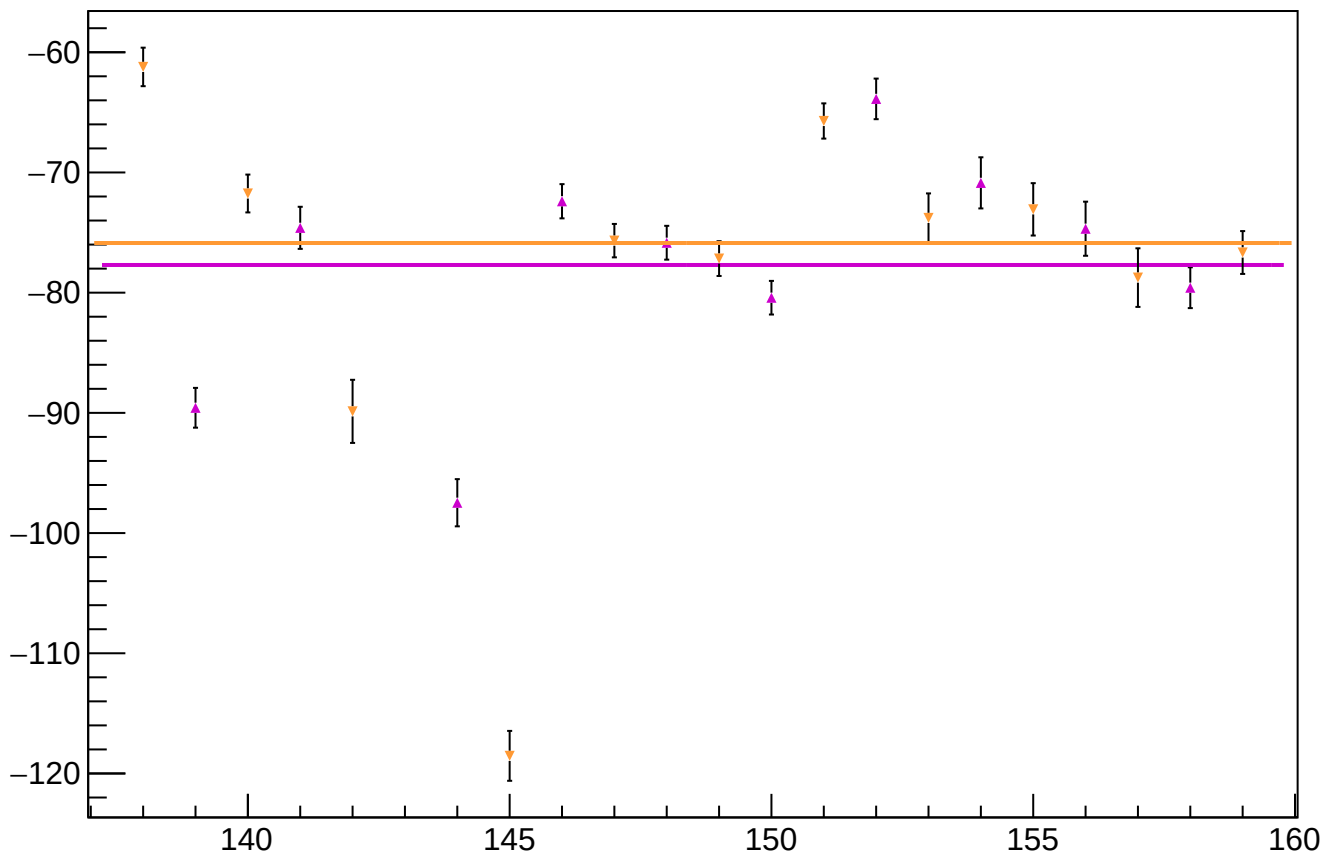
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10481.5/35

In: 0.007 $\pm$ 0.001 χ^2 /NDF:50.1/26

Out: 0.007 $\pm$ 0.001 χ^2 /NDF:10466.7/30

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10516.8/57

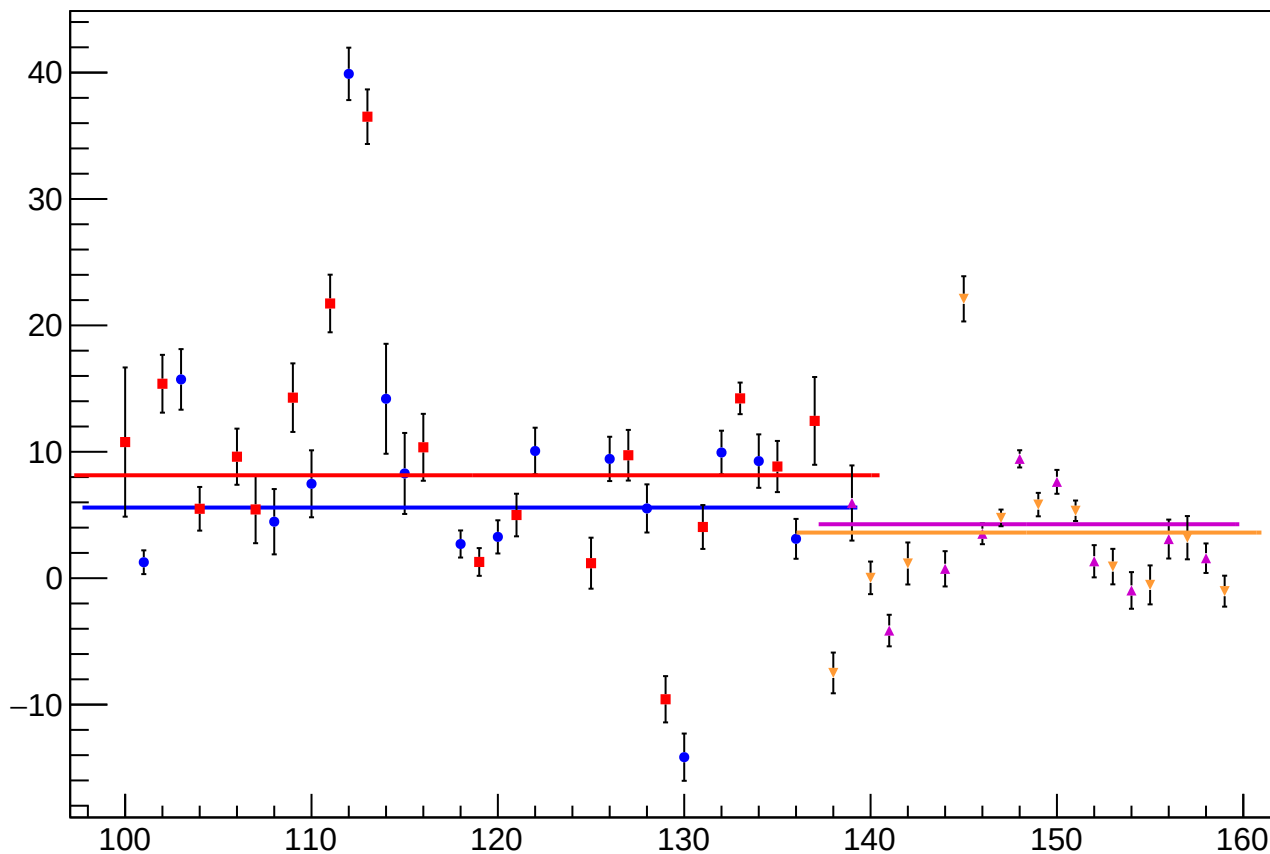
reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -75.868+/-0.530 χ^2/NDF :594.6/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -77.697+/-0.529 χ^2/NDF :255.8/9

Left: -76.784+/-0.374 χ^2/NDF : 856.4/20
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -77.697+/-0.529 χ^2/NDF :255.8/9
 Out: -75.868+/-0.530 χ^2/NDF :594.6/10
 All: -76.784+/-0.374 χ^2/NDF : 856.4/20

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.589 $\pm$ 0.424 χ^2 /NDF: 462.8/15

Left Out: 3.609 $\pm$ 0.341 χ^2 /NDF:202.9/10

Right Out: 8.142 $\pm$ 0.454 χ^2 /NDF: 407.7/17

Left In: 4.269 $\pm$ 0.348 χ^2 /NDF:147.3/9

Left: 3.932 $\pm$ 0.244 χ^2 /NDF: 352.0/20

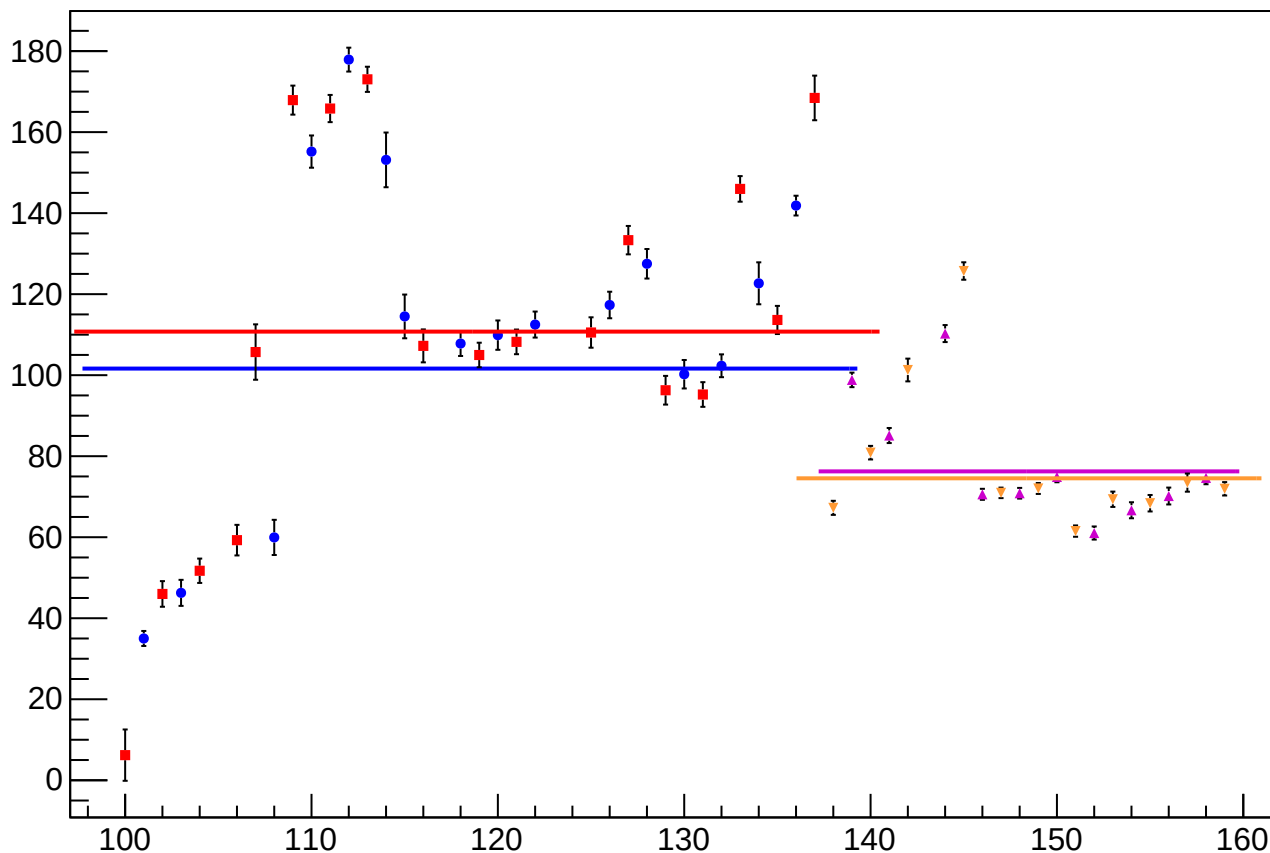
Right: 6.778 $\pm$ 0.310 χ^2 /NDF: 887.4/33

In: 4.801 $\pm$ 0.269 χ^2 /NDF:615.9/25

Out: 5.247 $\pm$ 0.273 χ^2 /NDF:674.4/28

All: 5.021 $\pm$ 0.191 χ^2 /NDF: 1291.6/54

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: 74.539 $\pm$ 0.515 χ^2 /NDF:803.9/10

Right Out: 110.756 $\pm$ 0.836 χ^2 /NDF: 2513.0/17

Left In: 76.252 $\pm$ 0.513 χ^2 /NDF:600.6/9

Left: 75.400 $\pm$ 0.363 χ^2 /NDF: 1410.0/20

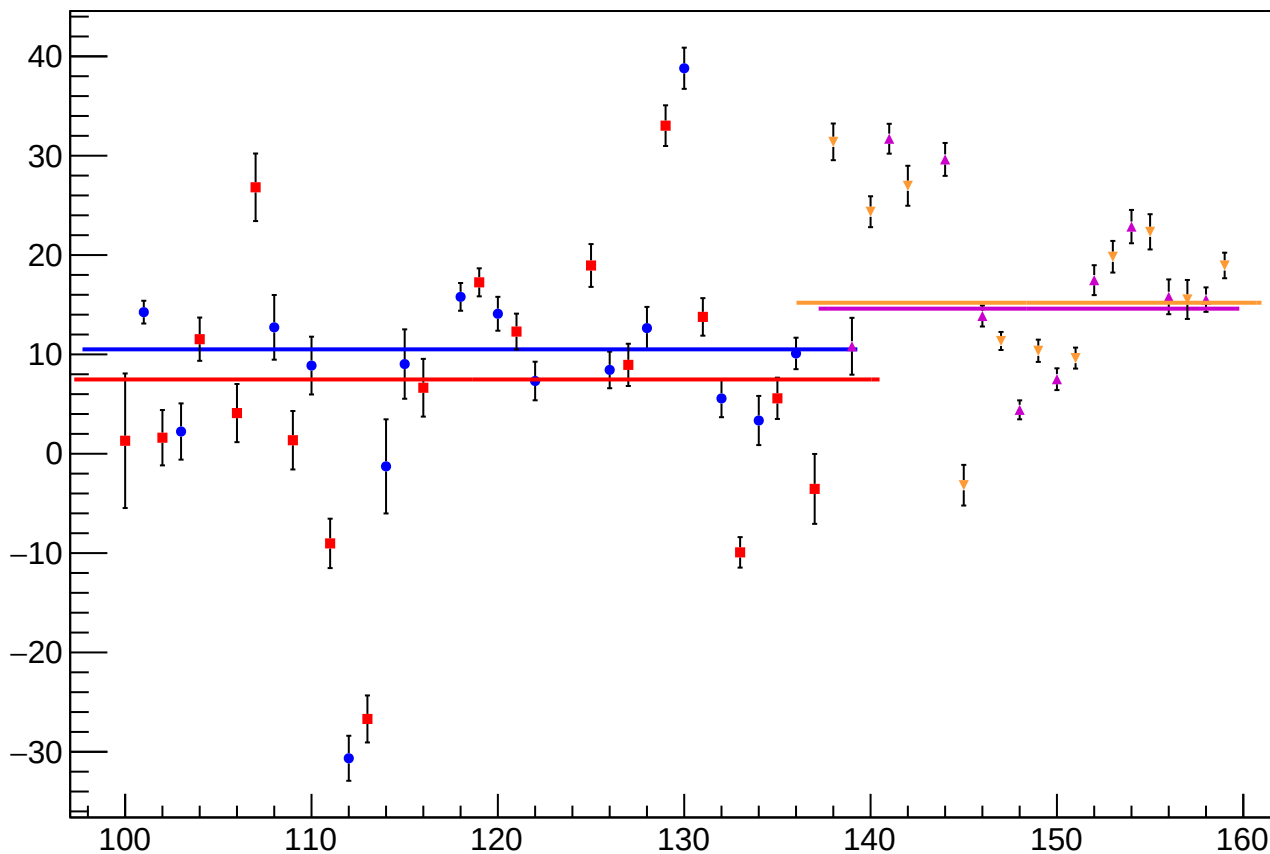
Right: 106.031 $\pm$ 0.581 χ^2 /NDF: 5553.5/33

In: 83.554 $\pm$ 0.433 χ^2 /NDF:4284.0/25

Out: 84.505 $\pm$ 0.439 χ^2 /NDF:4676.5/28

All: 84.023 $\pm$ 0.308 χ^2 /NDF: 8962.9/54

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.508 $\pm$ 0.492 χ^2/NDF : 581.5/15

Left Out: 15.200 $\pm$ 0.420 χ^2/NDF : 324.1/10

Right Out: 7.477 $\pm$ 0.524 χ^2/NDF : 689.3/17

Left In: 14.604 $\pm$ 0.425 χ^2/NDF : 399.0/9

Left: 14.906 $\pm$ 0.299 χ^2/NDF : 724.1/20

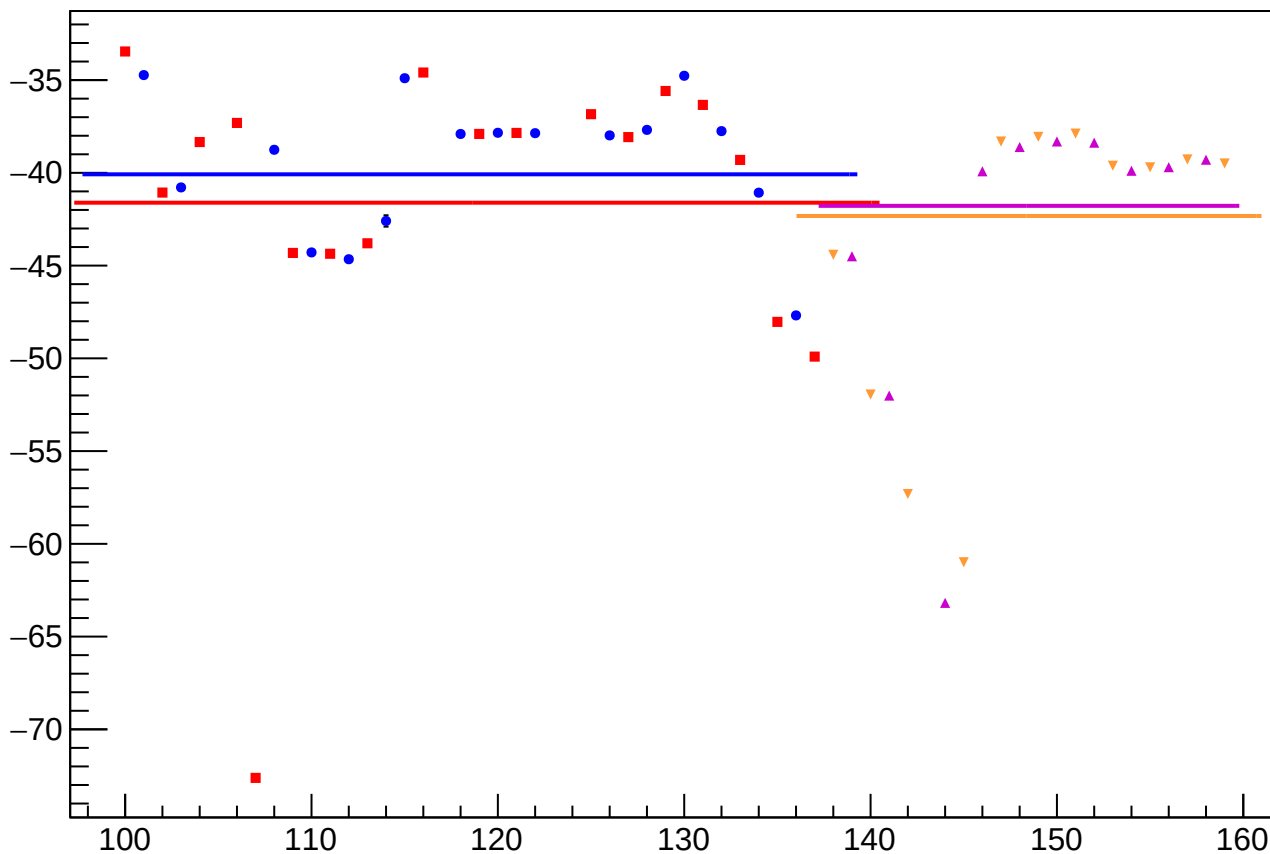
Right: 9.088 $\pm$ 0.359 χ^2/NDF : 1288.6/33

In: 12.854 $\pm$ 0.322 χ^2/NDF : 1020.2/25

Out: 12.181 $\pm$ 0.328 χ^2/NDF : 1145.7/28

All: 12.524 $\pm$ 0.230 χ^2/NDF : 2168.1/54

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: -42.324 ± 0.021 $\chi^2/\text{NDF}: 105460.2/10$

Right Out: -41.609 ± 0.029 $\chi^2/\text{NDF}: 61784.6/17$

Left In: -41.779 ± 0.020 $\chi^2/\text{NDF}: 88601.9/9$

Left: -42.047 ± 0.015 $\chi^2/\text{NDF}: 194414.2/20$

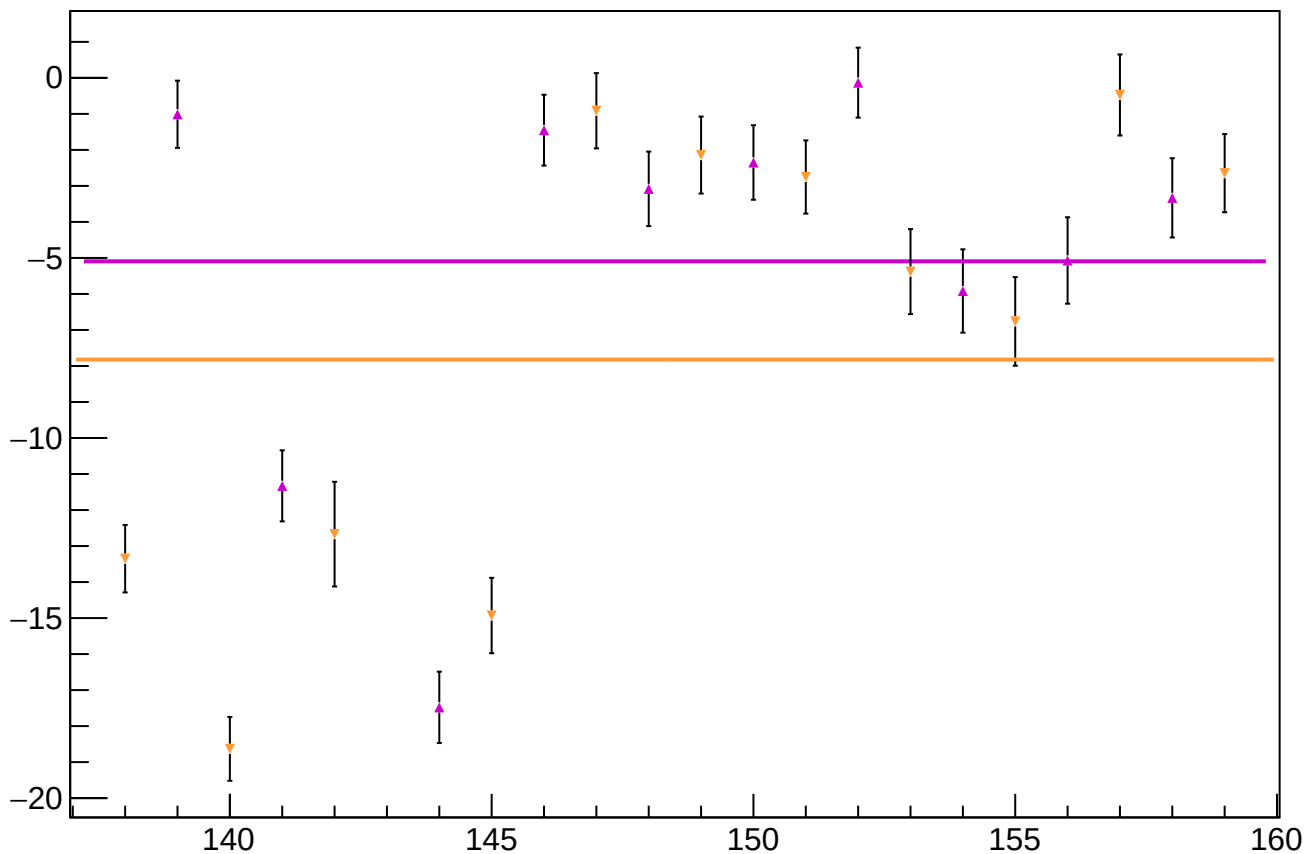
Right: -40.834 ± 0.020 $\chi^2/\text{NDF}: 88360.5/33$

In: -41.196 ± 0.017 $\chi^2/\text{NDF}: 116111.0/25$

Out: -42.078 ± 0.017 $\chi^2/\text{NDF}: 167654.7/28$

All: -41.629 ± 0.012 $\chi^2/\text{NDF}: 285167.3/54$

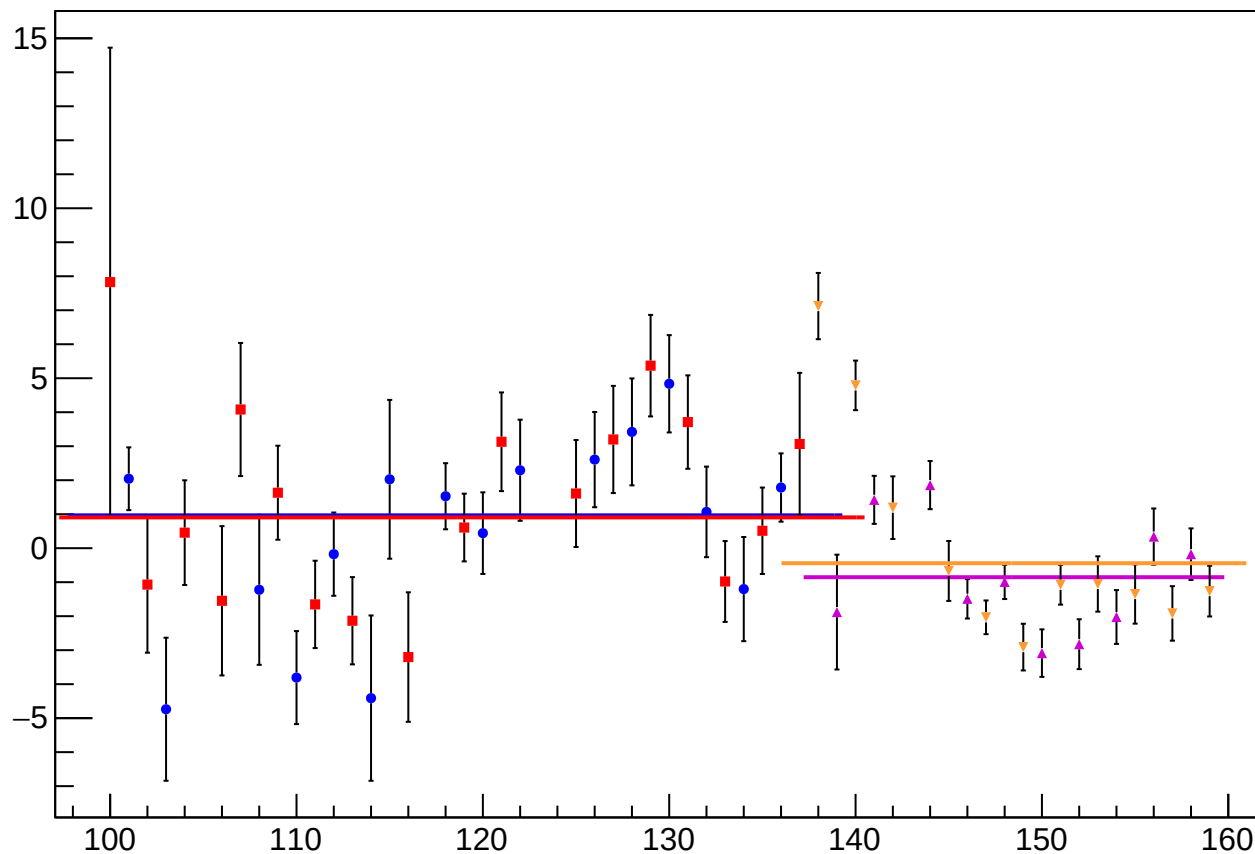
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.821+/-0.323 χ^2/NDF :408.0/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.094+/-0.326 χ^2/NDF :269.0/9

Left: -6.469+/-0.229 χ^2/NDF : 712.3/20
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -5.094+/-0.326 χ^2/NDF :269.0/9
 Out: -7.821+/-0.323 χ^2/NDF :408.0/10
 All: -6.469+/-0.229 χ^2/NDF : 712.3/20

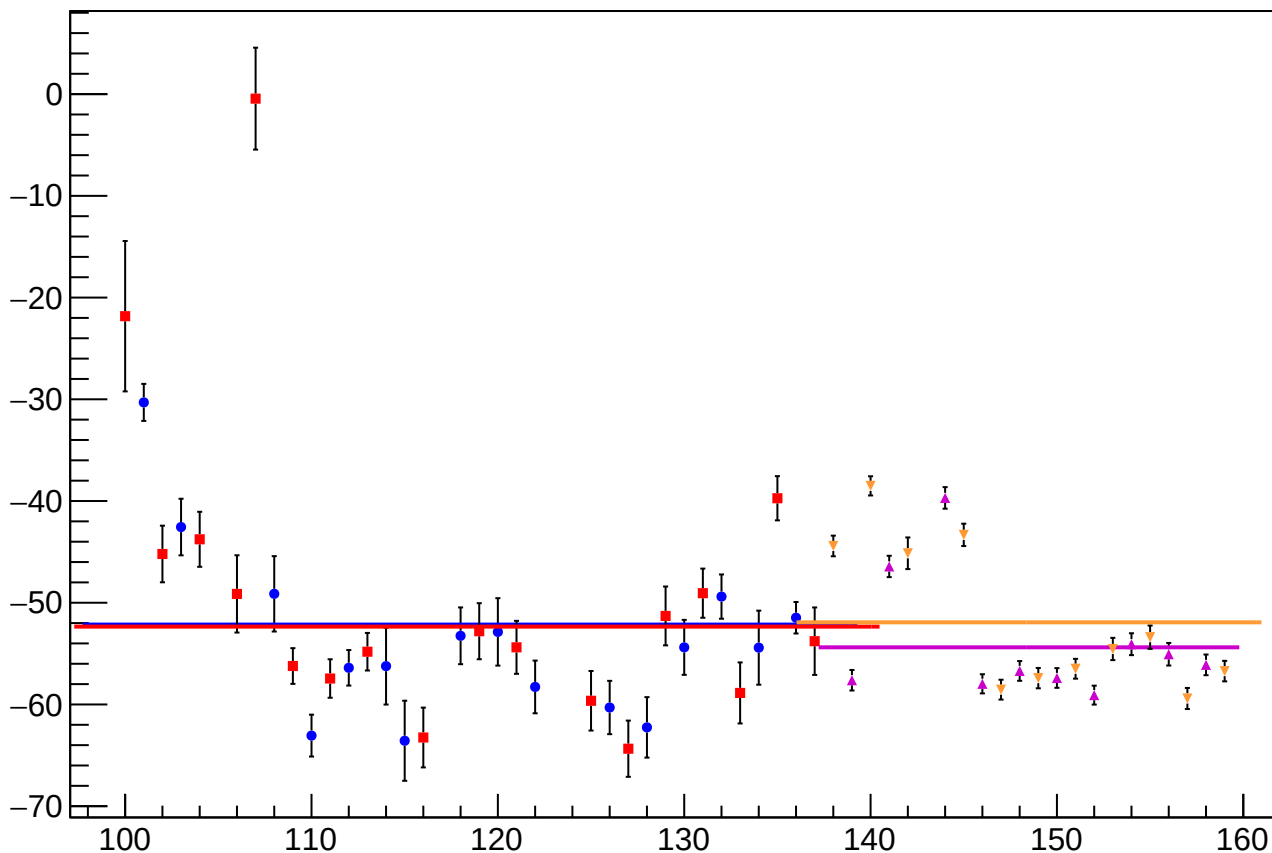
reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.965 ± 0.338 $\chi^2/\text{NDF}: 42.9/15$
 Left Out: -0.442 ± 0.220 $\chi^2/\text{NDF}: 145.6/10$
 Right Out: 0.906 ± 0.354 $\chi^2/\text{NDF}: 42.0/17$
 Left In: -0.854 ± 0.224 $\chi^2/\text{NDF}: 49.2/9$

Left: -0.644 ± 0.157 $\chi^2/\text{NDF}: 196.5/20$
 Right: 0.937 ± 0.244 $\chi^2/\text{NDF}: 84.9/33$
 In: -0.300 ± 0.187 $\chi^2/\text{NDF}: 112.2/25$
 Out: -0.066 ± 0.187 $\chi^2/\text{NDF}: 198.1/28$
 All: -0.183 ± 0.132 $\chi^2/\text{NDF}: 311.1/54$

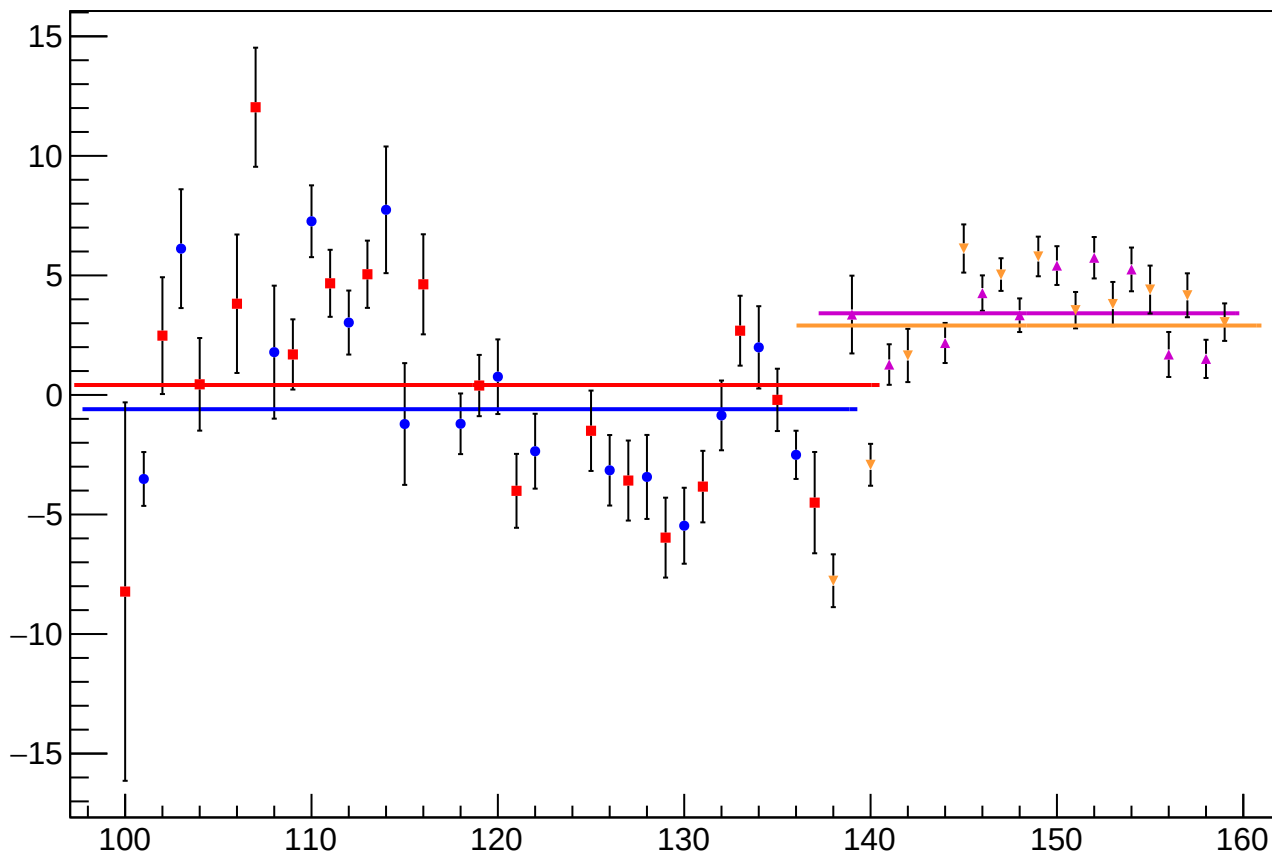
reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.148 ± 0.612 χ^2/NDF : 230.2/15
 Left Out: -51.926 ± 0.317 χ^2/NDF : 517.1/10
 Right Out: -52.346 ± 0.616 χ^2/NDF : 235.7/17
 Left In: -54.383 ± 0.319 χ^2/NDF : 318.5/9

Left: -53.147 ± 0.225 χ^2/NDF : 865.5/20
 Right: -52.246 ± 0.434 χ^2/NDF : 466.0/33
 In: -53.905 ± 0.283 χ^2/NDF : 559.2/25
 Out: -52.014 ± 0.282 χ^2/NDF : 753.2/28
 All: -52.957 ± 0.200 χ^2/NDF : 1334.9/54

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: 2.904 ± 0.265 χ^2/NDF : 176.7/10

Right Out: 0.416 ± 0.400 χ^2/NDF : 95.8/17

Left In: 3.415 ± 0.269 χ^2/NDF : 36.2/9

Left: 3.156 ± 0.189 χ^2/NDF : 214.8/20

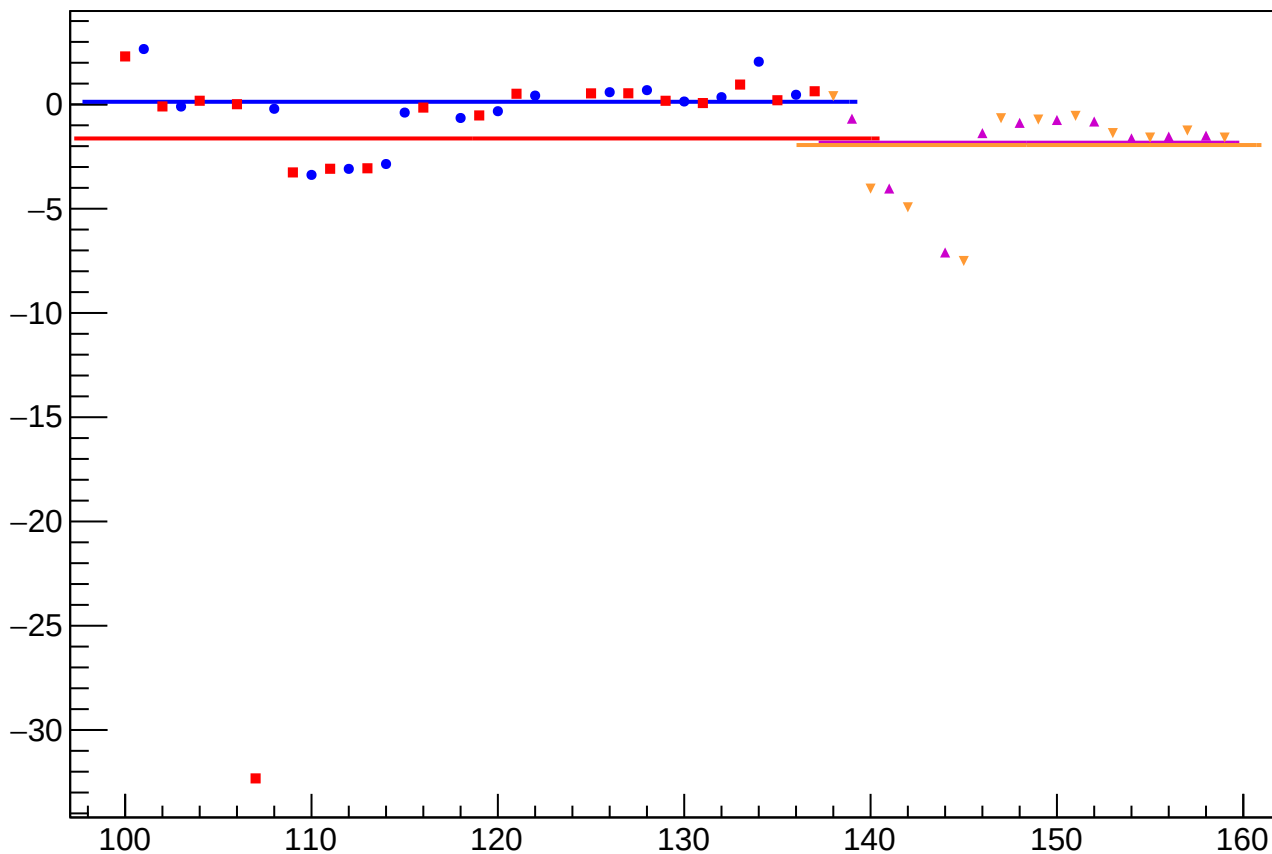
Right: -0.111 ± 0.277 χ^2/NDF : 181.7/33

In: 2.091 ± 0.220 χ^2/NDF : 192.0/25

Out: 2.144 ± 0.221 χ^2/NDF : 299.4/28

All: 2.117 ± 0.156 χ^2/NDF : 491.5/54

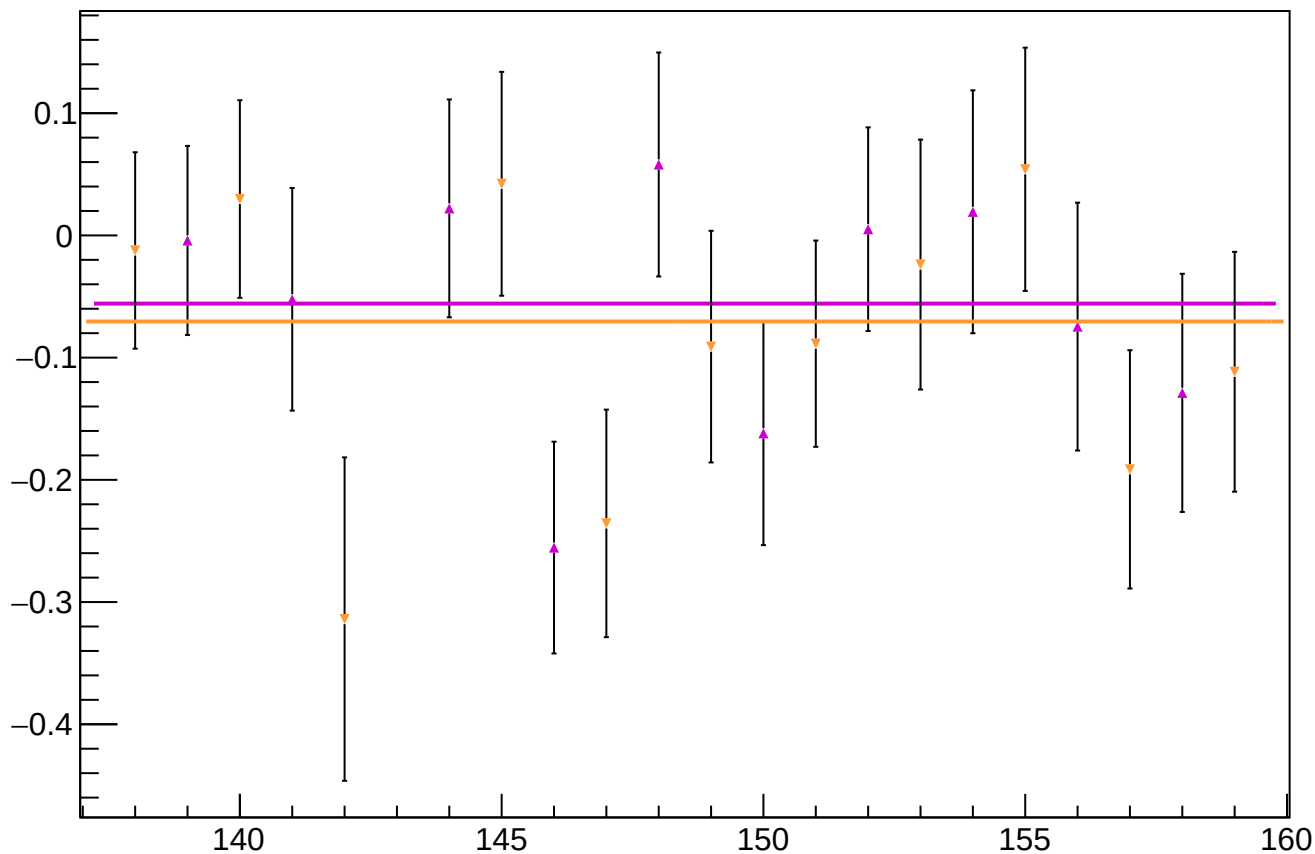
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.128 ± 0.021 $\chi^2/\text{NDF}: 5252.9/15$
 Left Out: -1.946 ± 0.012 $\chi^2/\text{NDF}: 28421.6/10$
 Right Out: -1.631 ± 0.022 $\chi^2/\text{NDF}: 77878.6/17$
 Left In: -1.833 ± 0.012 $\chi^2/\text{NDF}: 18915.6/9$

Left: -1.890 ± 0.009 $\chi^2/\text{NDF}: 47378.3/20$
 Right: -0.739 ± 0.015 $\chi^2/\text{NDF}: 86433.1/33$
 In: -1.339 ± 0.011 $\chi^2/\text{NDF}: 30396.4/25$
 Out: -1.869 ± 0.011 $\chi^2/\text{NDF}: 106457.8/28$
 All: -1.604 ± 0.008 $\chi^2/\text{NDF}: 138059.5/54$

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: -0.070 $\pm$ 0.028 χ^2 /NDF:13.7/10

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

Left In: -0.056 $\pm$ 0.028 χ^2 /NDF:11.1/9

Left: -0.063 $\pm$ 0.020 χ^2 /NDF: 24.9/20

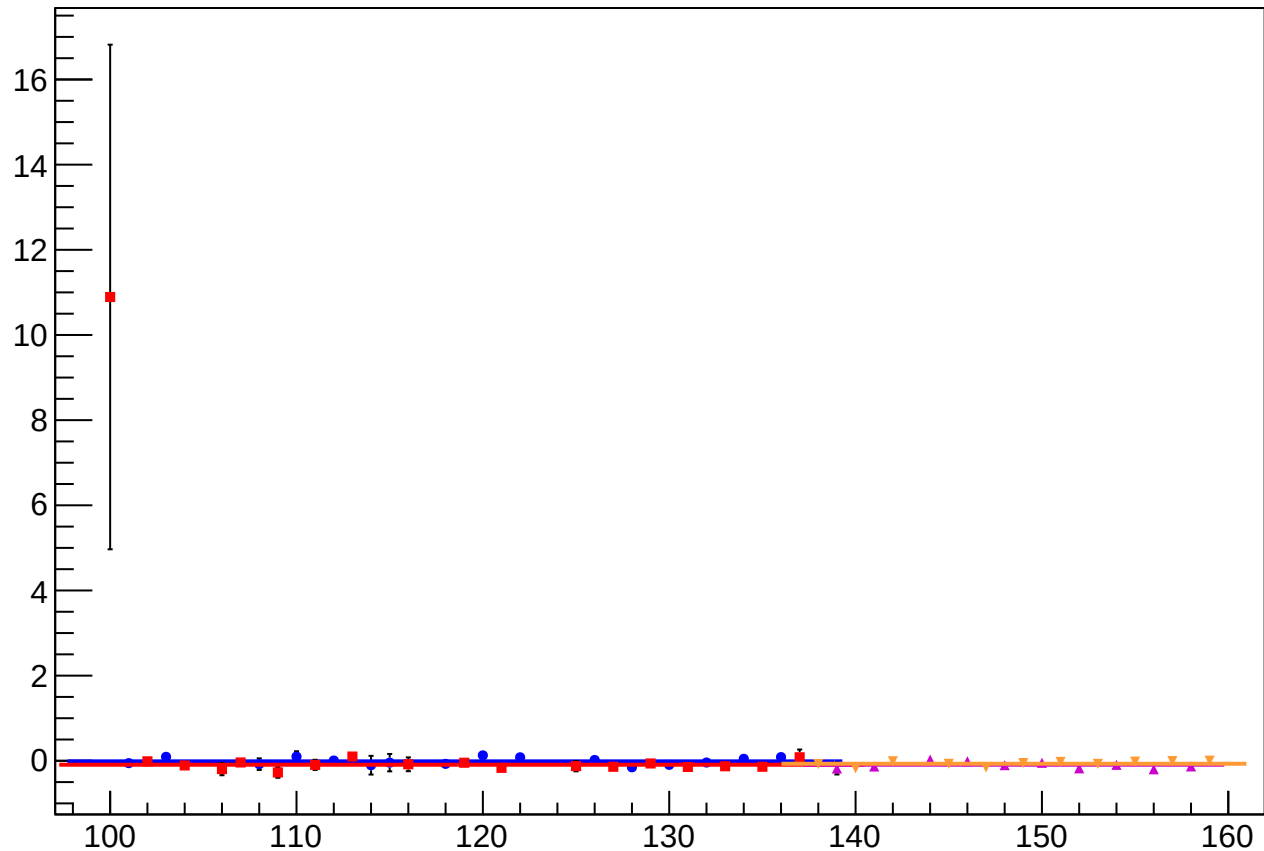
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.056 $\pm$ 0.028 χ^2 /NDF:11.1/9

Out: -0.070 $\pm$ 0.028 χ^2 /NDF:13.7/10

All: -0.063 $\pm$ 0.020 χ^2 /NDF: 24.9/20

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 $\chi^2/\text{NDF}: 12.2/15$

Left Out: -0.069 ± 0.019 $\chi^2/\text{NDF}: 10.2/10$

Right Out: -0.092 ± 0.025 $\chi^2/\text{NDF}: 12.7/17$

Left In: -0.092 ± 0.020 $\chi^2/\text{NDF}: 11.9/9$

Left: -0.080 ± 0.014 $\chi^2/\text{NDF}: 22.8/20$

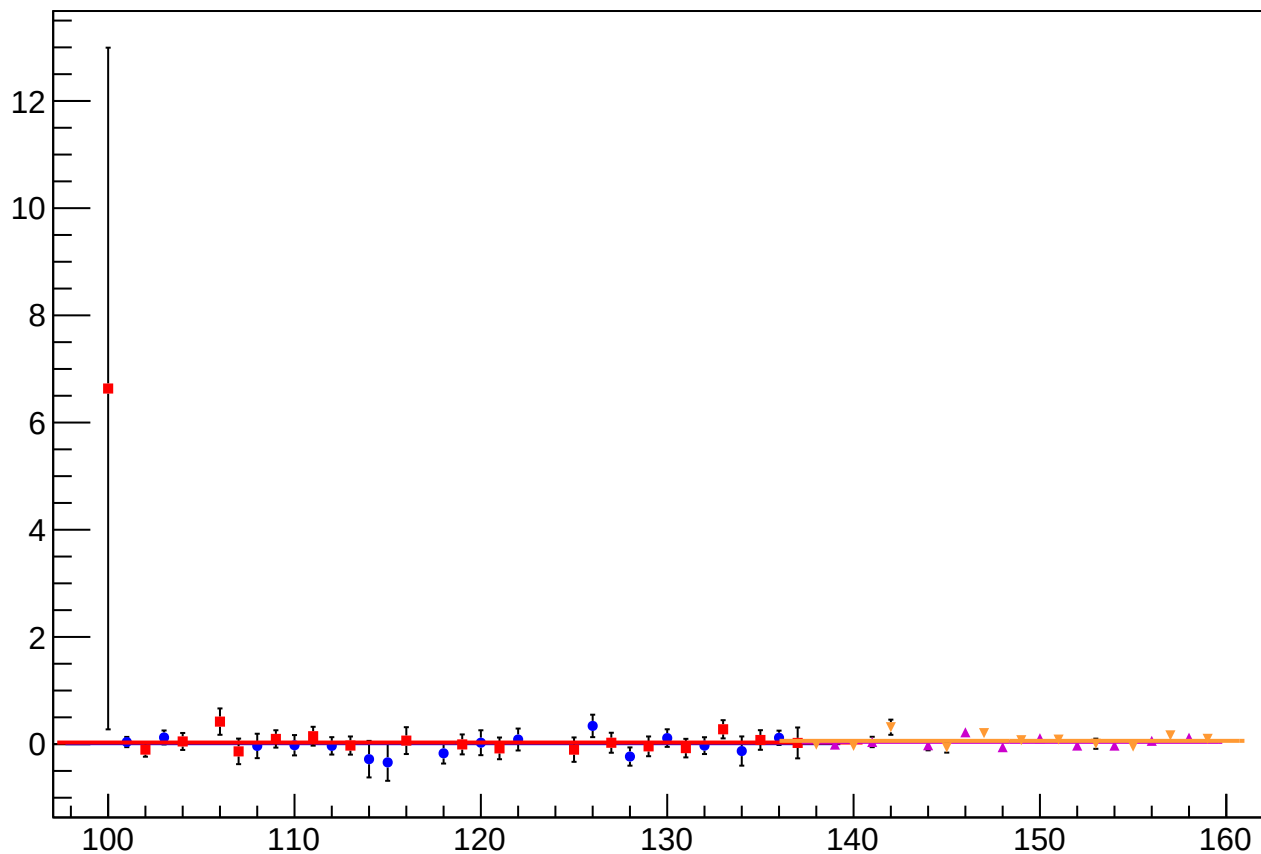
Right: -0.050 ± 0.017 $\chi^2/\text{NDF}: 30.3/33$

In: -0.059 ± 0.015 $\chi^2/\text{NDF}: 30.8/25$

Out: -0.078 ± 0.015 $\chi^2/\text{NDF}: 23.4/28$

All: -0.068 ± 0.011 $\chi^2/\text{NDF}: 55.0/54$

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.043 χ^2 /NDF: 9.6/15

Left Out: 0.061 $\pm$ 0.028 χ^2 /NDF:12.7/10

Right Out: 0.030 $\pm$ 0.045 χ^2 /NDF: 9.2/17

Left In: 0.042 $\pm$ 0.028 χ^2 /NDF:9.5/9

Left: 0.052 $\pm$ 0.020 χ^2 /NDF: 22.4/20

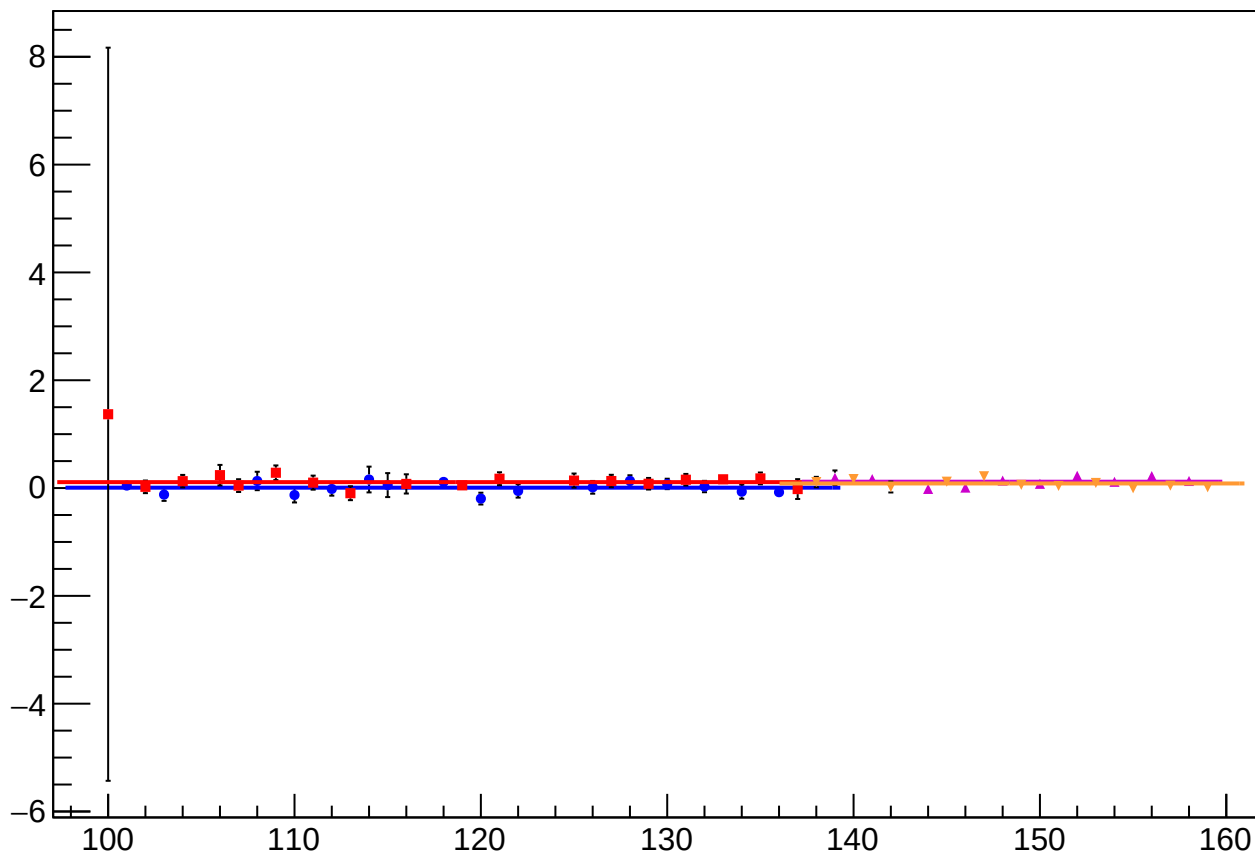
Right: 0.023 $\pm$ 0.031 χ^2 /NDF: 18.9/33

In: 0.035 $\pm$ 0.023 χ^2 /NDF:19.4/25

Out: 0.053 $\pm$ 0.024 χ^2 /NDF:22.3/28

All: 0.044 $\pm$ 0.017 χ^2 /NDF: 41.9/54

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: 0.085 $\pm$ 0.023 χ^2 /NDF: 9.6/10

Right Out: 0.110 $\pm$ 0.029 χ^2 /NDF: 8.0/17

Left In: 0.118 $\pm$ 0.024 χ^2 /NDF: 10.9/9

Left: 0.101 $\pm$ 0.017 χ^2 /NDF: 21.5/20

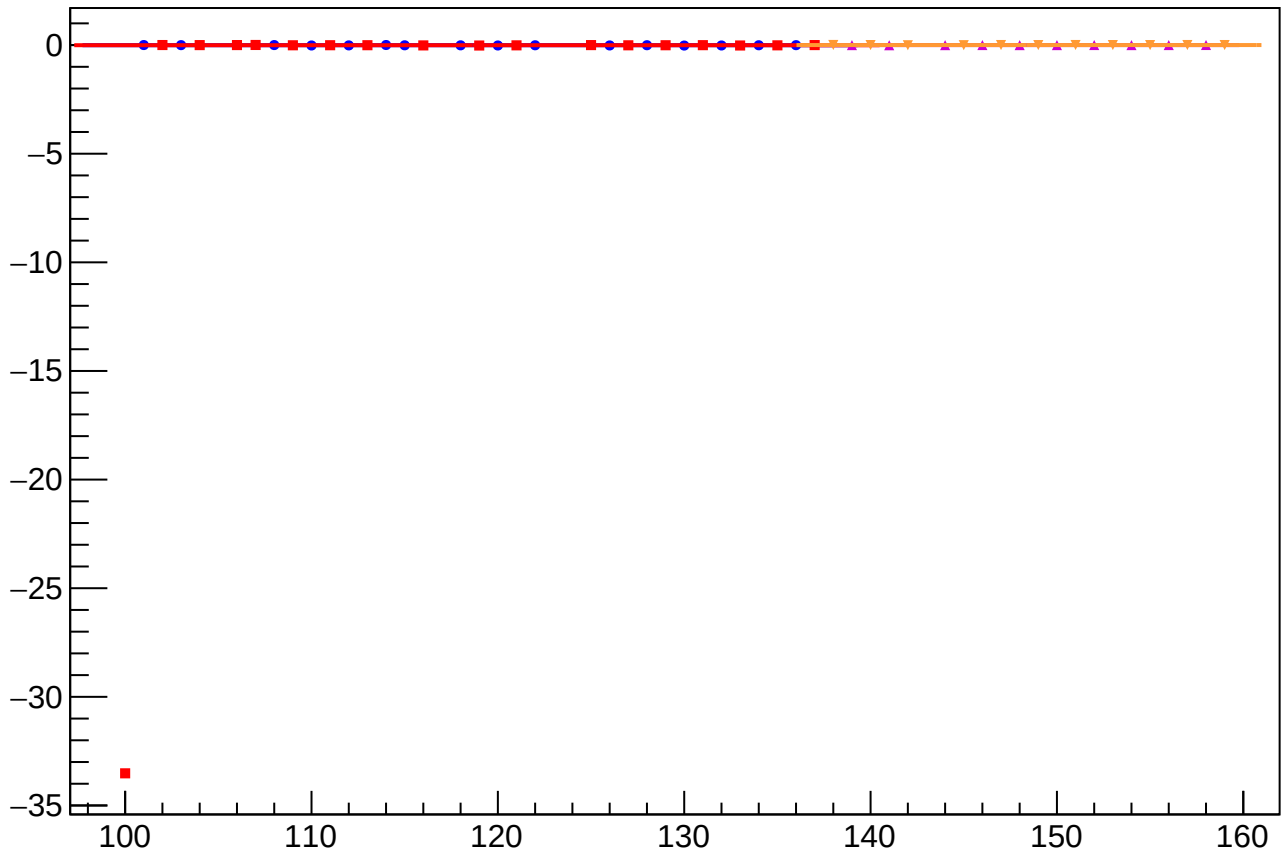
Right: 0.055 $\pm$ 0.020 χ^2 /NDF: 27.0/33

In: 0.069 $\pm$ 0.018 χ^2 /NDF: 32.6/25

Out: 0.095 $\pm$ 0.018 χ^2 /NDF: 18.0/28

All: 0.082 $\pm$ 0.013 χ^2 /NDF: 51.6/54

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: 7.1/10

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26508.9/17

Left In: 0.000 $\pm$ 0.001 χ^2 /NDF: 7.1/9

Left: 0.001 $\pm$ 0.001 χ^2 /NDF: 14.7/20

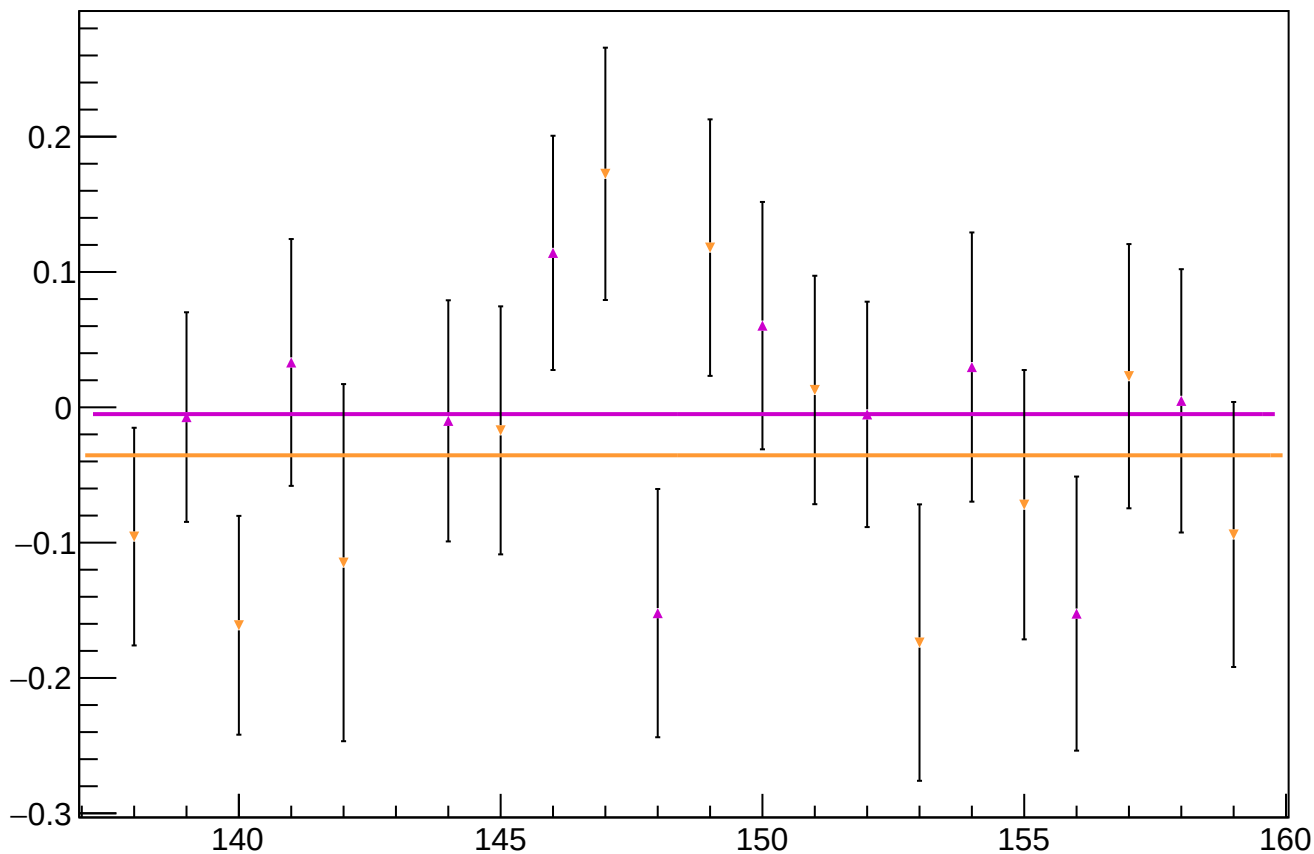
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 26531.6/33

In: -0.002 $\pm$ 0.001 χ^2 /NDF: 38.9/25

Out: -0.001 $\pm$ 0.001 χ^2 /NDF: 26530.6/28

All: -0.002 $\pm$ 0.001 χ^2 /NDF: 26569.7/54

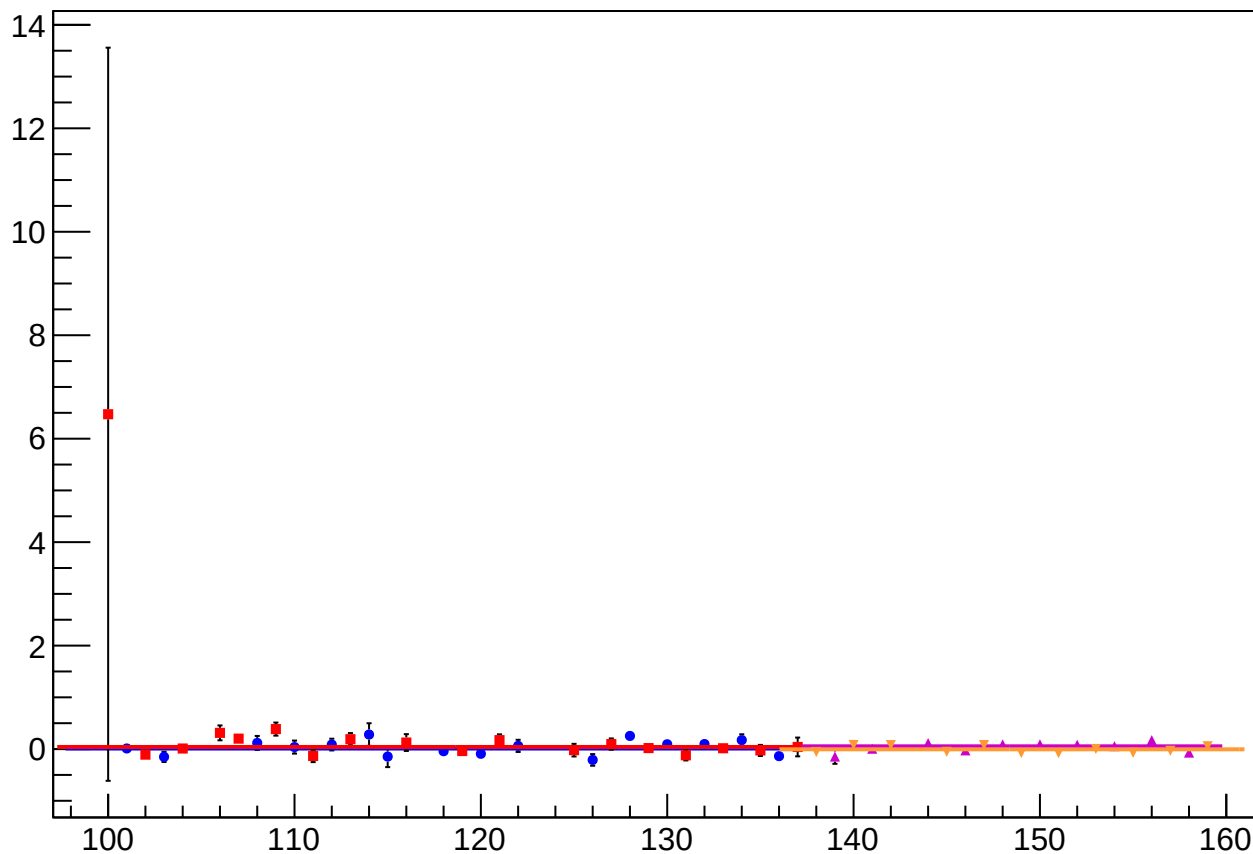
reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.035 $\pm$ 0.028 χ^2 /NDF:14.0/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.005 $\pm$ 0.028 χ^2 /NDF:7.4/9

Left: -0.020 $\pm$ 0.020 χ^2 /NDF: 22.0/20
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.005 $\pm$ 0.028 χ^2 /NDF:7.4/9
 Out: -0.035 $\pm$ 0.028 χ^2 /NDF:14.0/10
 All: -0.020 $\pm$ 0.020 χ^2 /NDF: 22.0/20

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: -0.005 $\pm$ 0.019 χ^2 /NDF:12.5/10

Right Out: 0.040 $\pm$ 0.025 χ^2 /NDF: 27.9/17

Left In: 0.053 $\pm$ 0.020 χ^2 /NDF:13.3/9

Left: 0.023 $\pm$ 0.014 χ^2 /NDF: 30.1/20

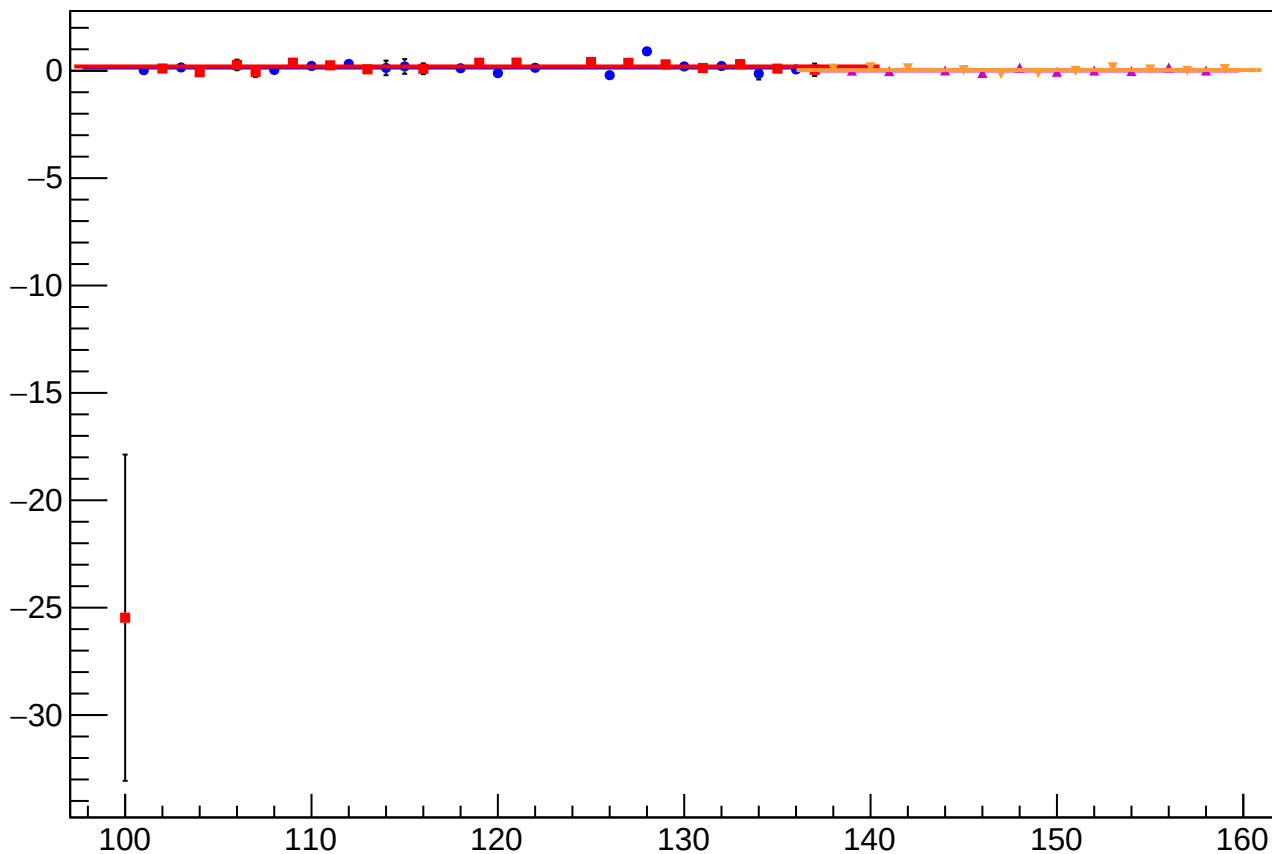
Right: 0.024 $\pm$ 0.017 χ^2 /NDF: 54.1/33

In: 0.035 $\pm$ 0.015 χ^2 /NDF:40.6/25

Out: 0.012 $\pm$ 0.015 χ^2 /NDF:42.4/28

All: 0.024 $\pm$ 0.011 χ^2 /NDF: 84.2/54

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: 0.032 $\pm$ 0.028 χ^2 /NDF:13.4/10

Right Out: 0.200 $\pm$ 0.045 χ^2 /NDF: 22.9/17

Left In: 0.015 $\pm$ 0.028 χ^2 /NDF:7.4/9

Left: 0.023 $\pm$ 0.020 χ^2 /NDF: 21.0/20

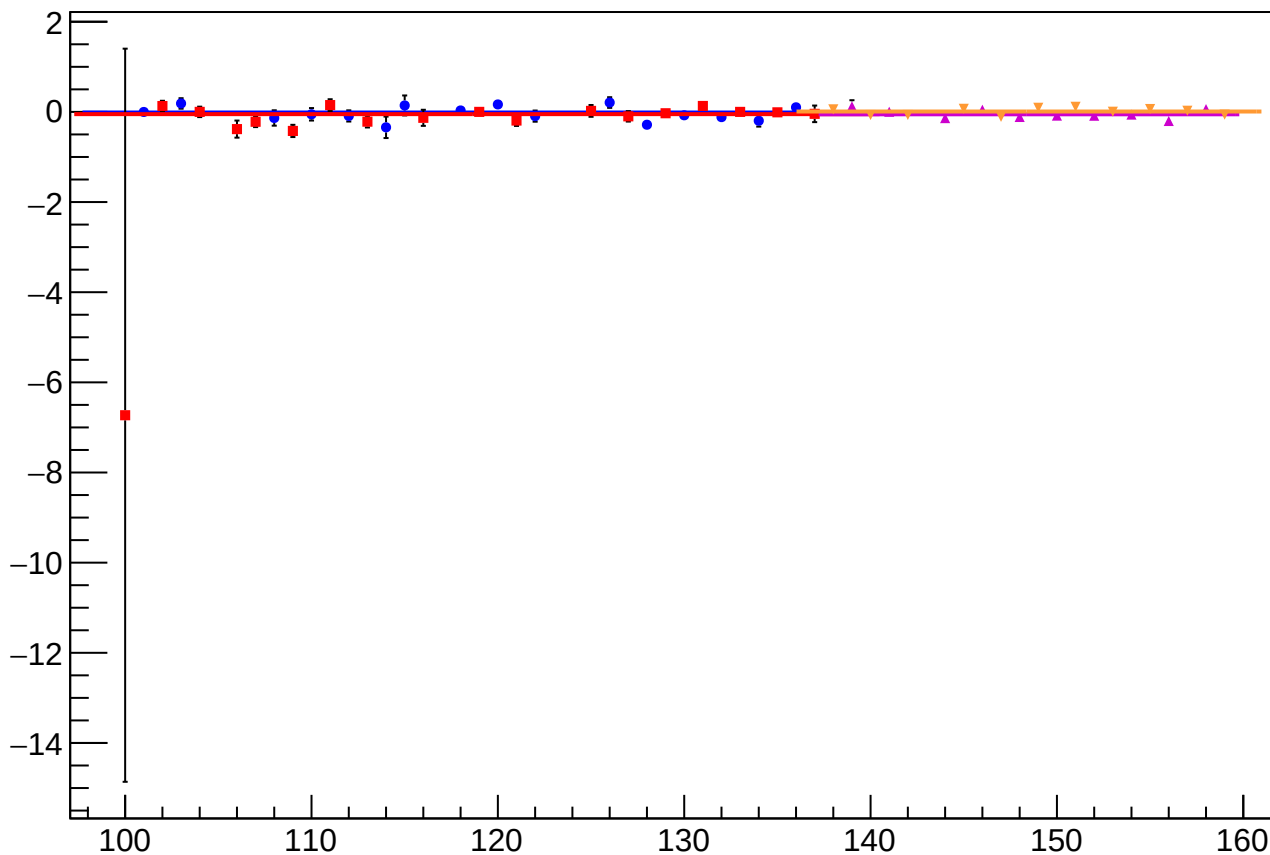
Right: 0.175 $\pm$ 0.031 χ^2 /NDF: 52.2/33

In: 0.056 $\pm$ 0.023 χ^2 /NDF:43.4/25

Out: 0.078 $\pm$ 0.024 χ^2 /NDF:46.5/28

All: 0.067 $\pm$ 0.017 χ^2 /NDF: 90.3/54

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.014 ± 0.027 $\chi^2/\text{NDF}: 25.2/15$

Left Out: 0.009 ± 0.023 $\chi^2/\text{NDF}: 11.6/10$

Right Out: -0.050 ± 0.029 $\chi^2/\text{NDF}: 25.7/17$

Left In: -0.053 ± 0.024 $\chi^2/\text{NDF}: 13.3/9$

Left: -0.022 ± 0.017 $\chi^2/\text{NDF}: 28.3/20$

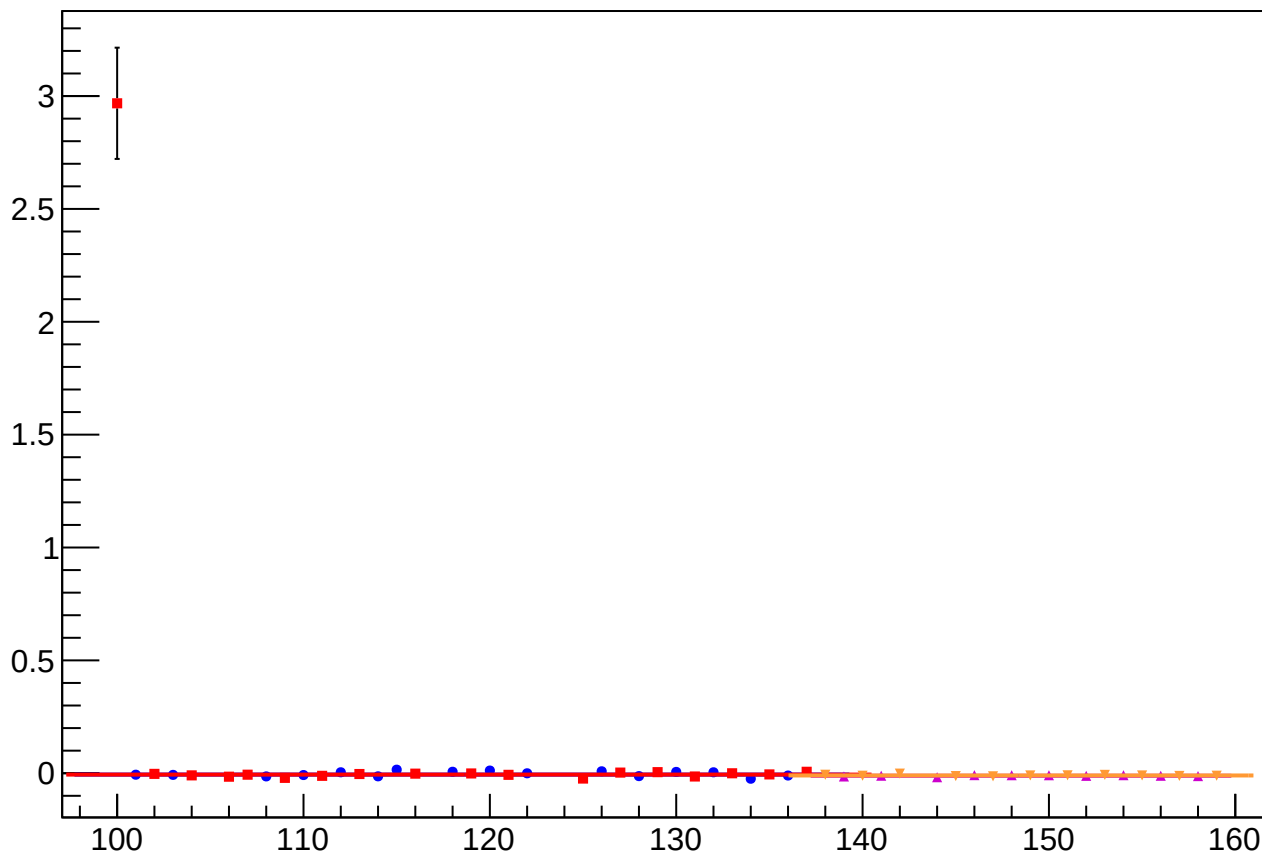
Right: -0.031 ± 0.020 $\chi^2/\text{NDF}: 51.8/33$

In: -0.036 ± 0.018 $\chi^2/\text{NDF}: 39.7/25$

Out: -0.014 ± 0.018 $\chi^2/\text{NDF}: 39.8/28$

All: -0.025 ± 0.013 $\chi^2/\text{NDF}: 80.2/54$

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: -0.010 ± 0.001 χ^2/NDF : 5.7/10

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

Left In: -0.011 ± 0.001 χ^2/NDF : 5.7/9

Left: -0.011 ± 0.001 χ^2/NDF : 12.2/20

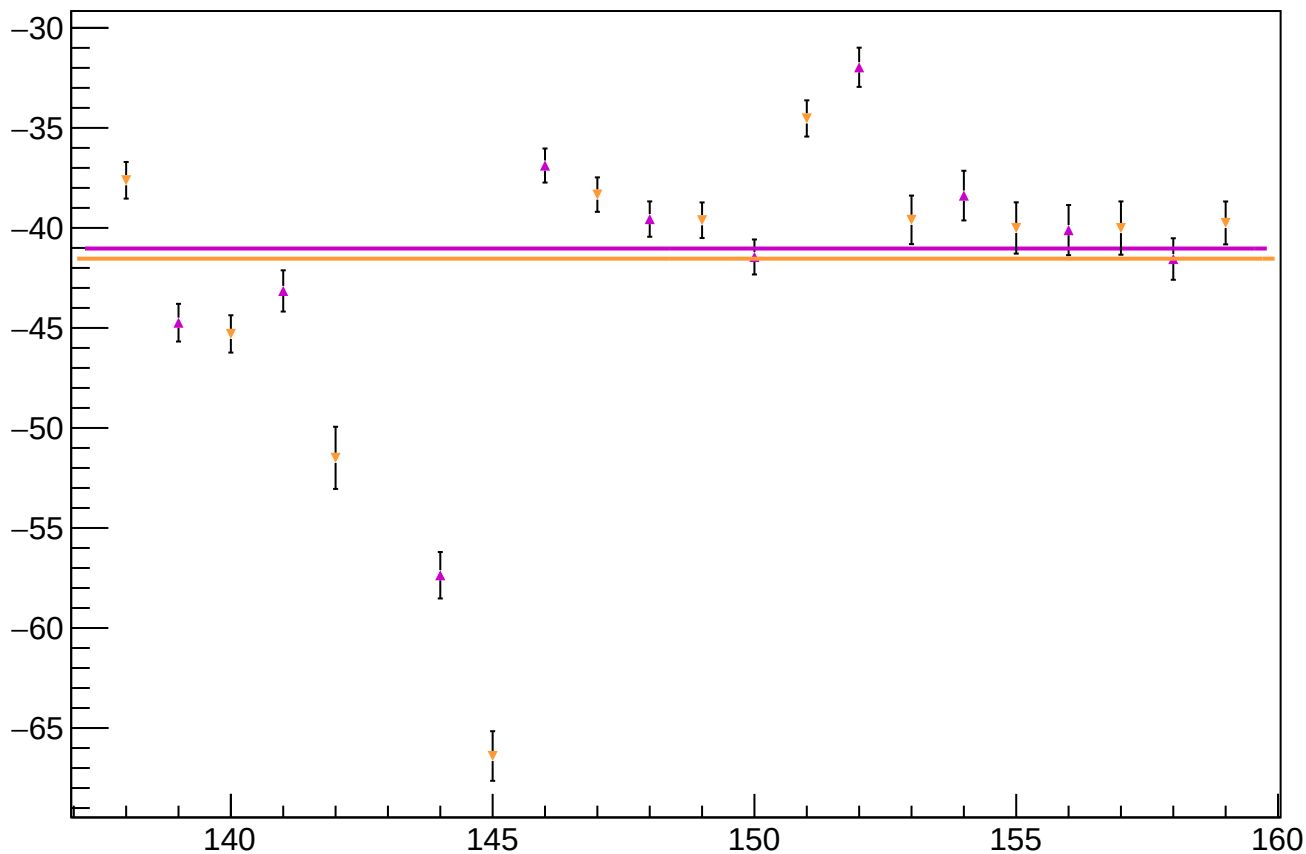
Right: -0.006 ± 0.001 χ^2/NDF : 194.8/33

In: -0.009 ± 0.001 χ^2/NDF : 43.2/25

Out: -0.009 ± 0.001 χ^2/NDF : 176.1/28

All: -0.009 ± 0.001 χ^2/NDF : 219.8/54

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: -41.538 ± 0.317 χ^2/NDF : 564.4/10

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -41.030 ± 0.316 χ^2/NDF : 335.3/9

Left: -41.283 ± 0.224 χ^2/NDF : 901.0/20

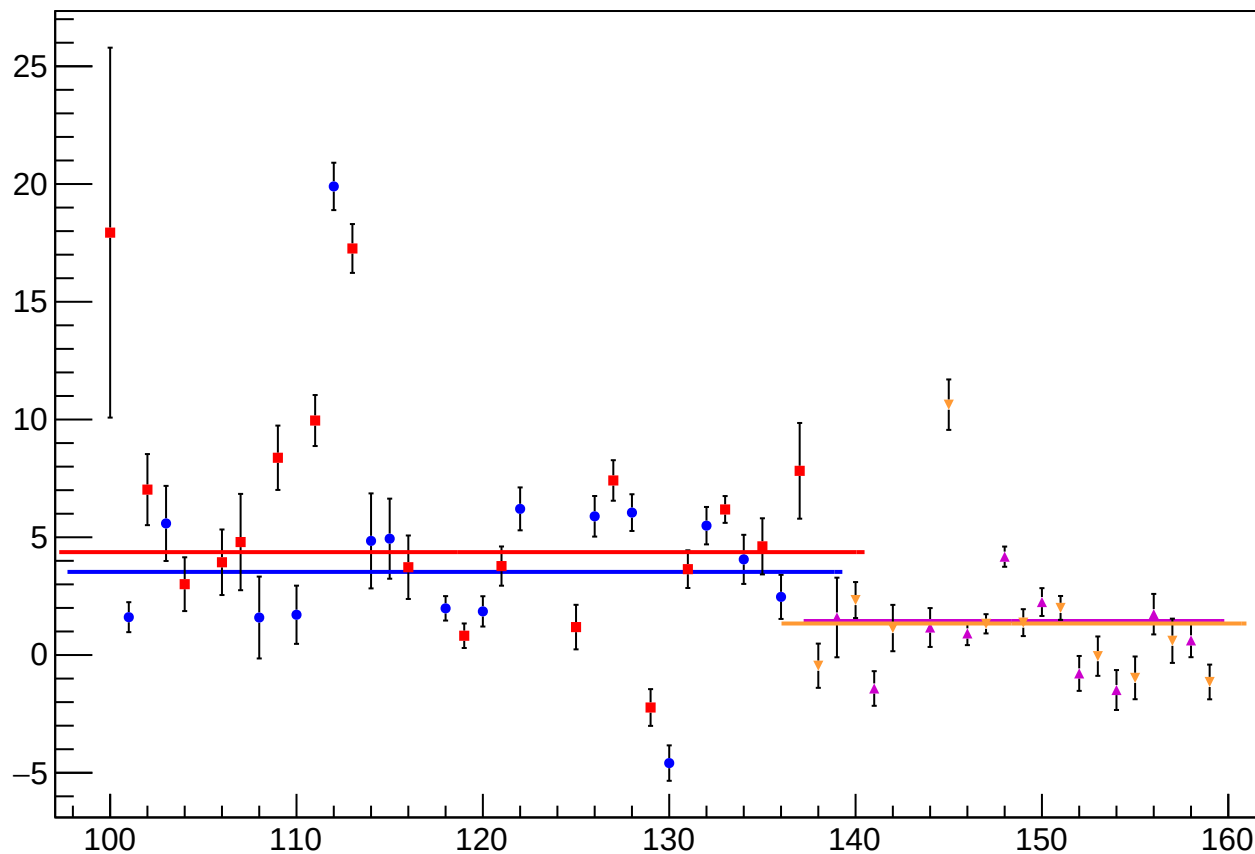
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -41.030 ± 0.316 χ^2/NDF : 335.3/9

Out: -41.538 ± 0.317 χ^2/NDF : 564.4/10

All: -41.283 ± 0.224 χ^2/NDF : 901.0/20

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.530 ± 0.217 $\chi^2/\text{NDF}: 446.6/15$

Left Out: 1.338 ± 0.207 $\chi^2/\text{NDF}: 103.5/10$

Right Out: 4.370 ± 0.225 $\chi^2/\text{NDF}: 353.8/17$

Left In: 1.445 ± 0.211 $\chi^2/\text{NDF}: 81.3/9$

Left: 1.391 ± 0.148 $\chi^2/\text{NDF}: 184.9/20$

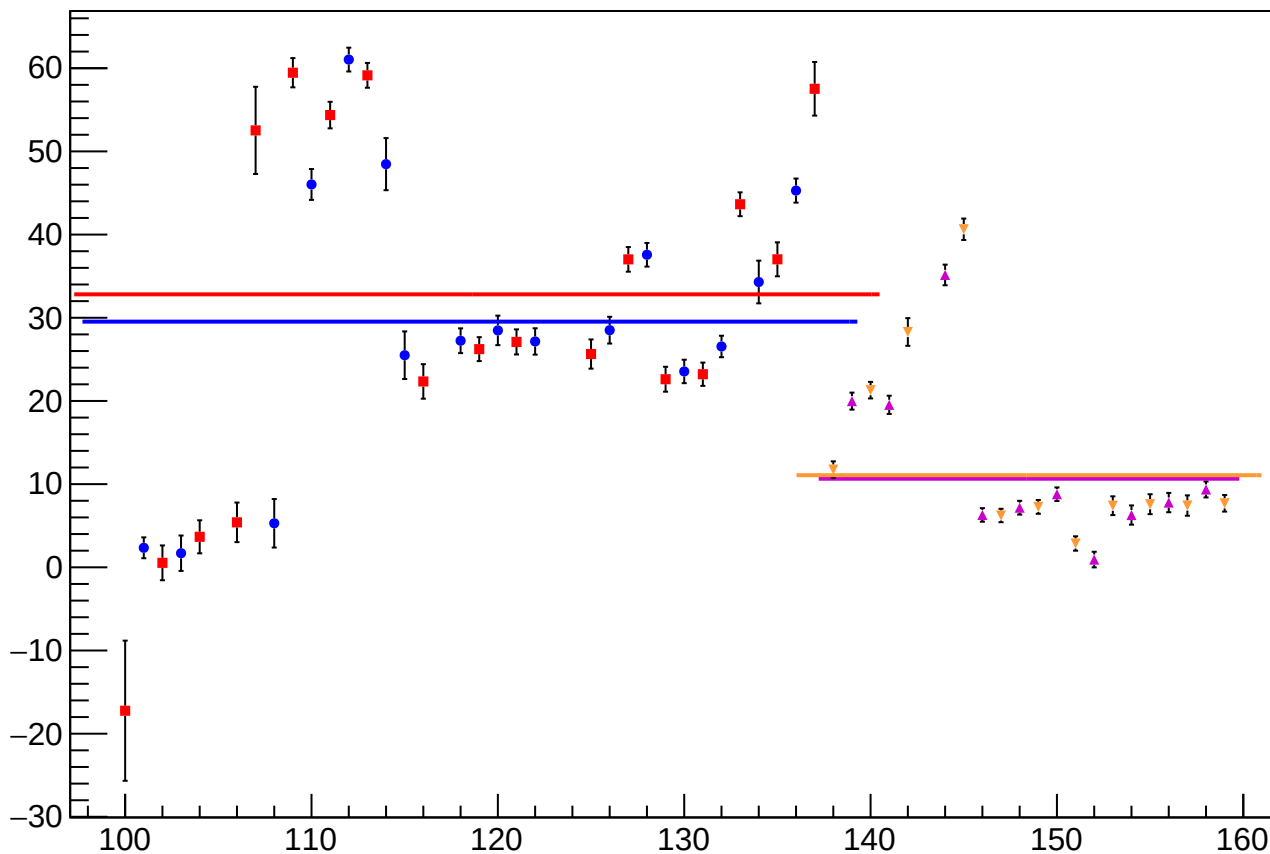
Right: 3.934 ± 0.156 $\chi^2/\text{NDF}: 807.6/33$

In: 2.454 ± 0.151 $\chi^2/\text{NDF}: 575.3/25$

Out: 2.726 ± 0.153 $\chi^2/\text{NDF}: 555.4/28$

All: 2.589 ± 0.107 $\chi^2/\text{NDF}: 1132.3/54$

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: 11.075 ± 0.309 $\chi^2/\text{NDF}: 928.5/10$

Right Out: 32.816 ± 0.423 $\chi^2/\text{NDF}: 1659.3/17$

Left In: 10.651 ± 0.307 $\chi^2/\text{NDF}: 719.9/9$

Left: 10.862 ± 0.218 $\chi^2/\text{NDF}: 1649.3/20$

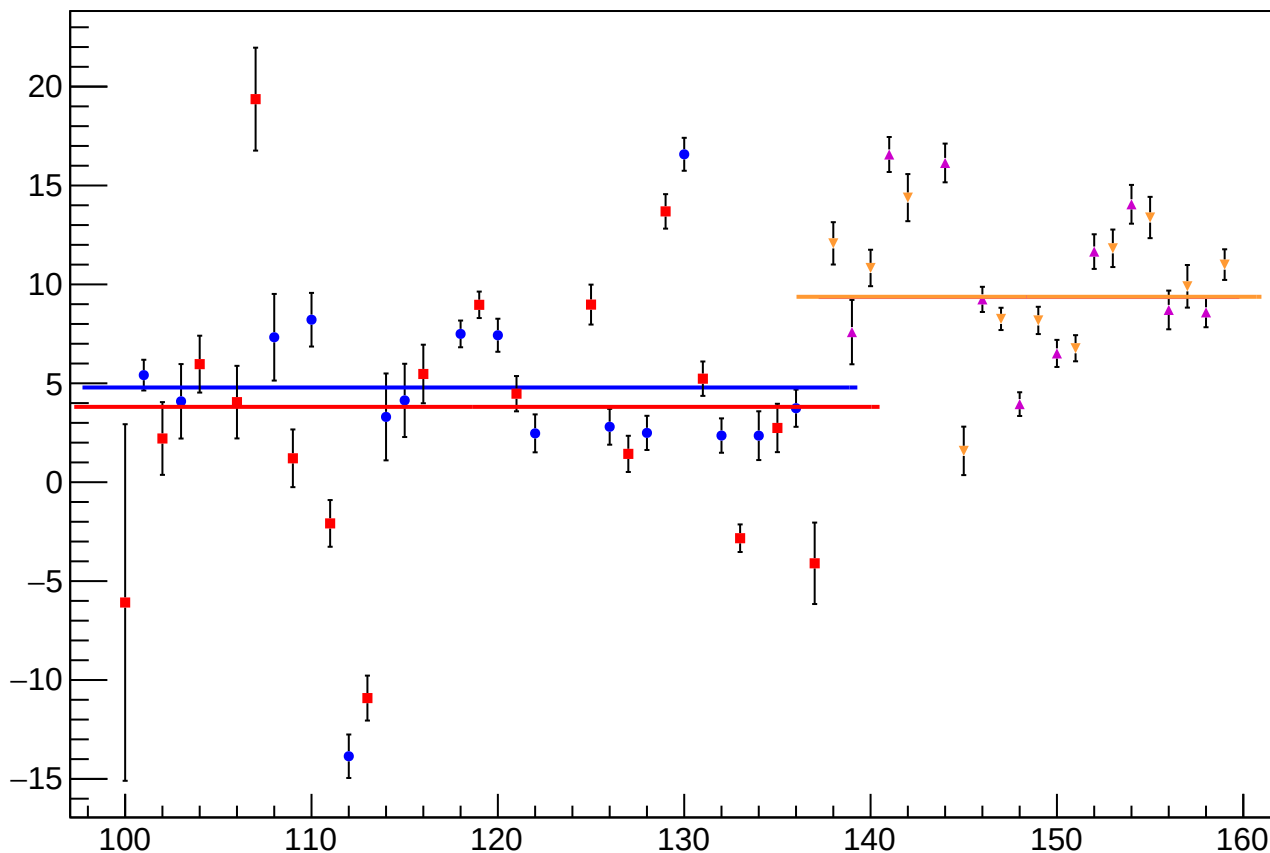
Right: 31.152 ± 0.297 $\chi^2/\text{NDF}: 3184.7/33$

In: 17.290 ± 0.247 $\chi^2/\text{NDF}: 3546.0/25$

Out: 18.639 ± 0.249 $\chi^2/\text{NDF}: 4311.6/28$

All: 17.958 ± 0.176 $\chi^2/\text{NDF}: 7872.4/54$

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.789 ± 0.251 $\chi^2/\text{NDF}: 553.9/15$

Left Out: 9.374 ± 0.254 $\chi^2/\text{NDF}: 115.6/10$

Right Out: 3.809 ± 0.259 $\chi^2/\text{NDF}: 567.6/17$

Left In: 9.362 ± 0.256 $\chi^2/\text{NDF}: 245.6/9$

Left: 9.368 ± 0.180 $\chi^2/\text{NDF}: 361.2/20$

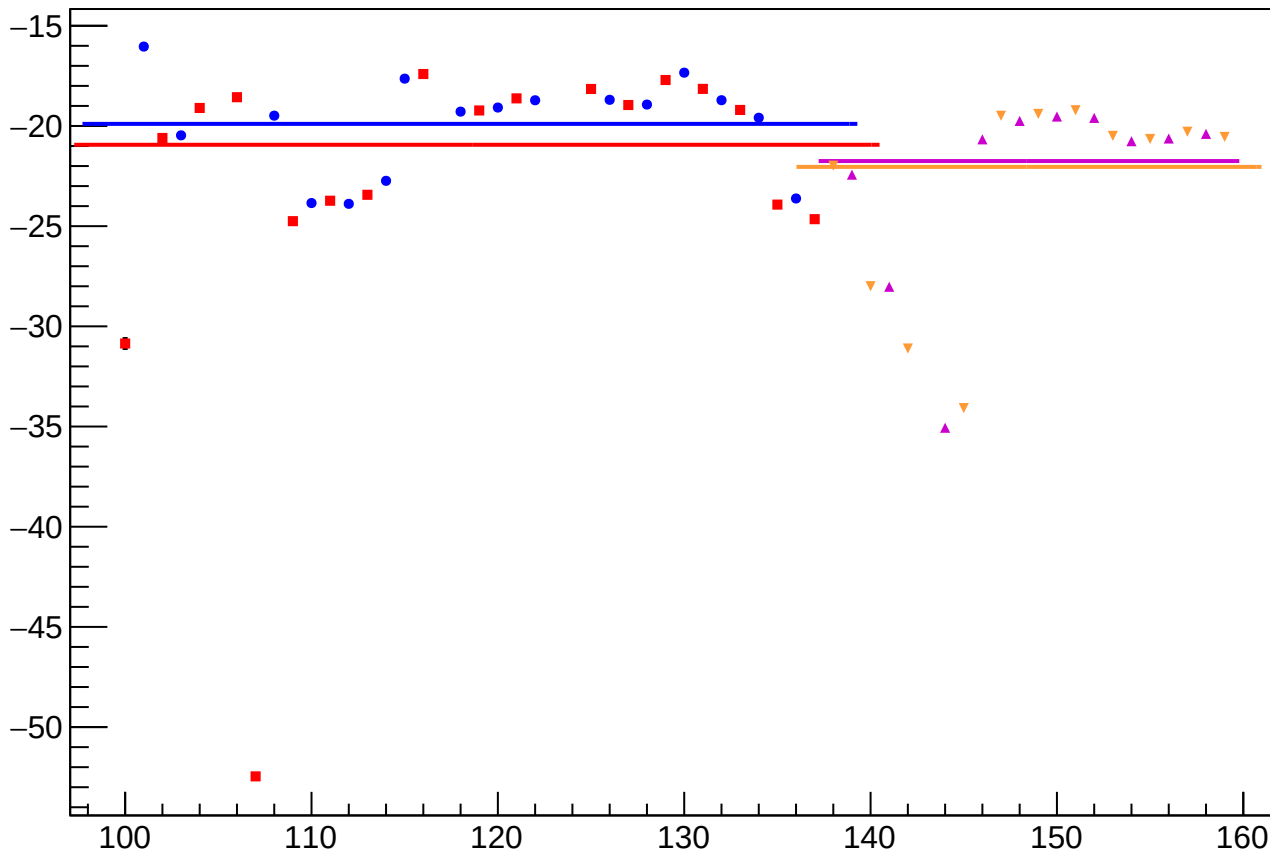
Right: 4.313 ± 0.180 $\chi^2/\text{NDF}: 1128.9/33$

In: 7.031 ± 0.179 $\chi^2/\text{NDF}: 962.0/25$

Out: 6.647 ± 0.181 $\chi^2/\text{NDF}: 918.8/28$

All: 6.841 ± 0.127 $\chi^2/\text{NDF}: 1883.1/54$

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.895+/-0.016 χ^2/NDF : 26073.6/15

Left Out: -22.042+/-0.012 χ^2/NDF :114910.2/10

Right Out: -20.938+/-0.016 χ^2/NDF : 94065.2/17

Left In: -21.751+/-0.012 χ^2/NDF :94533.0/9

Left: -21.894+/-0.009 χ^2/NDF : 209726.3/20

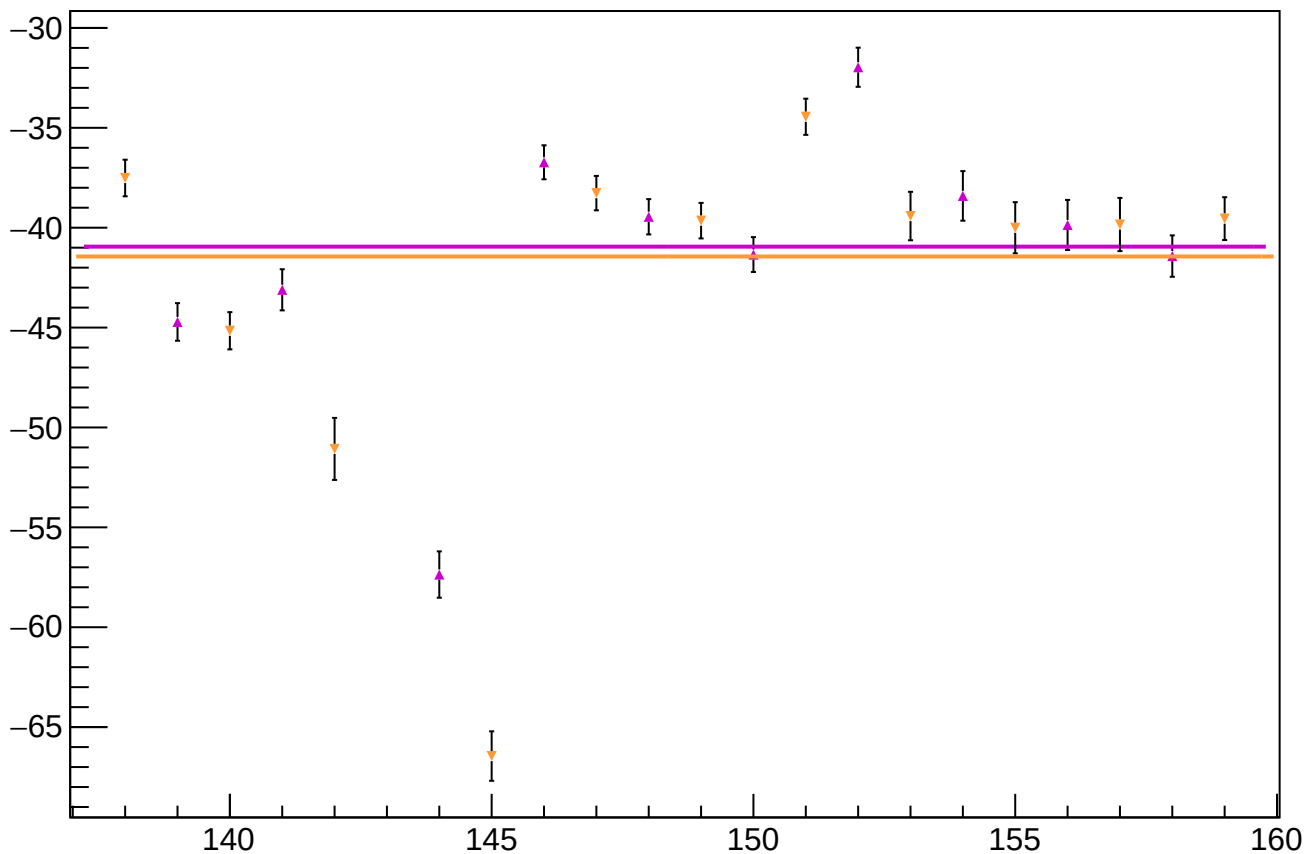
Right: -20.412+/-0.011 χ^2/NDF : 122364.1/33

In: -21.049+/-0.010 χ^2/NDF :129442.6/25

Out: -21.620+/-0.010 χ^2/NDF :212022.6/28

All: -21.330+/-0.007 χ^2/NDF : 343215.7/54

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -41.441+/-0.317 χ^2/NDF :566.3/10

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

Left In: -40.948+/-0.316 χ^2/NDF :337.6/9

Left: -41.194+/-0.224 χ^2/NDF : 905.2/20

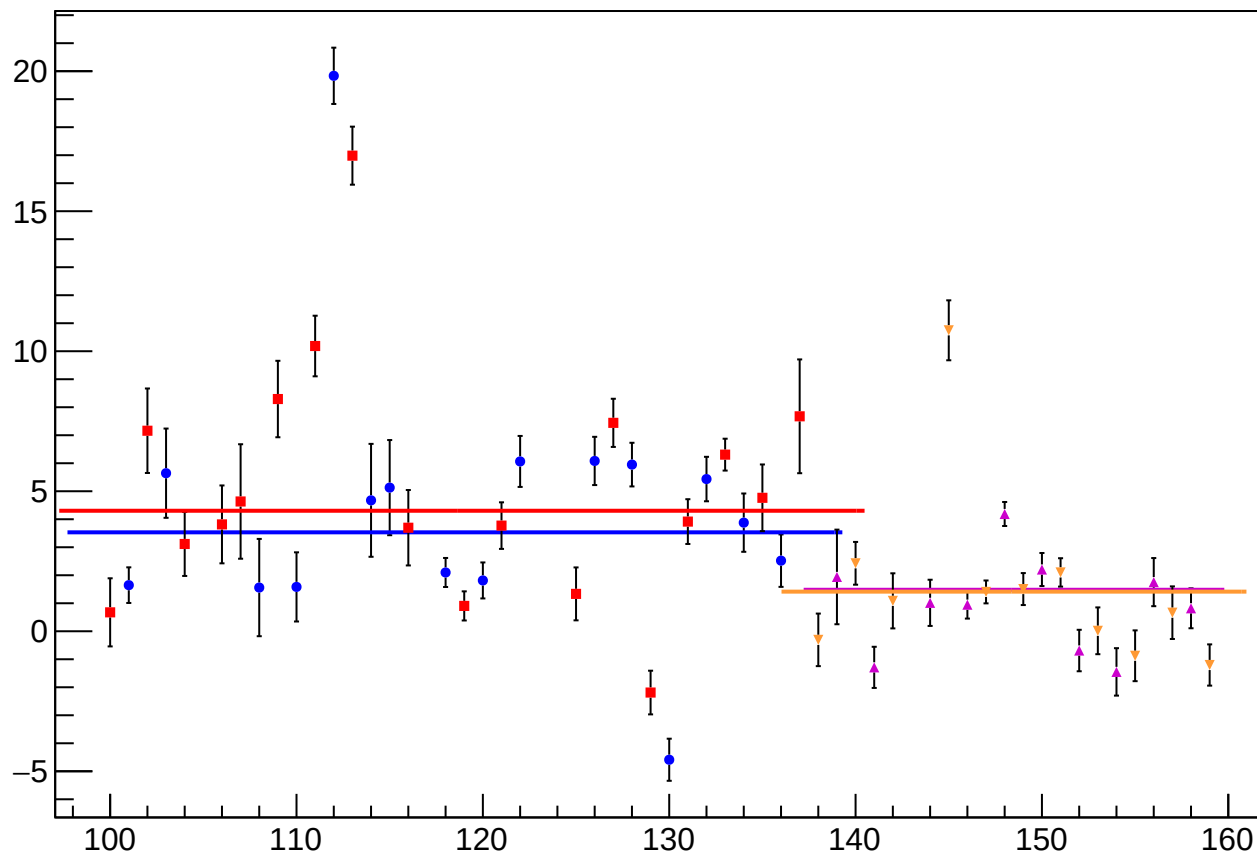
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -40.948+/-0.316 χ^2/NDF :337.6/9

Out: -41.441+/-0.317 χ^2/NDF :566.3/10

All: -41.194+/-0.224 χ^2/NDF : 905.2/20

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.532 ± 0.217 $\chi^2/\text{NDF}: 443.2/15$

Left Out: 1.415 ± 0.207 $\chi^2/\text{NDF}: 105.6/10$

Right Out: 4.303 ± 0.222 $\chi^2/\text{NDF}: 352.8/17$

Left In: 1.481 ± 0.210 $\chi^2/\text{NDF}: 78.6/9$

Left: 1.448 ± 0.148 $\chi^2/\text{NDF}: 184.2/20$

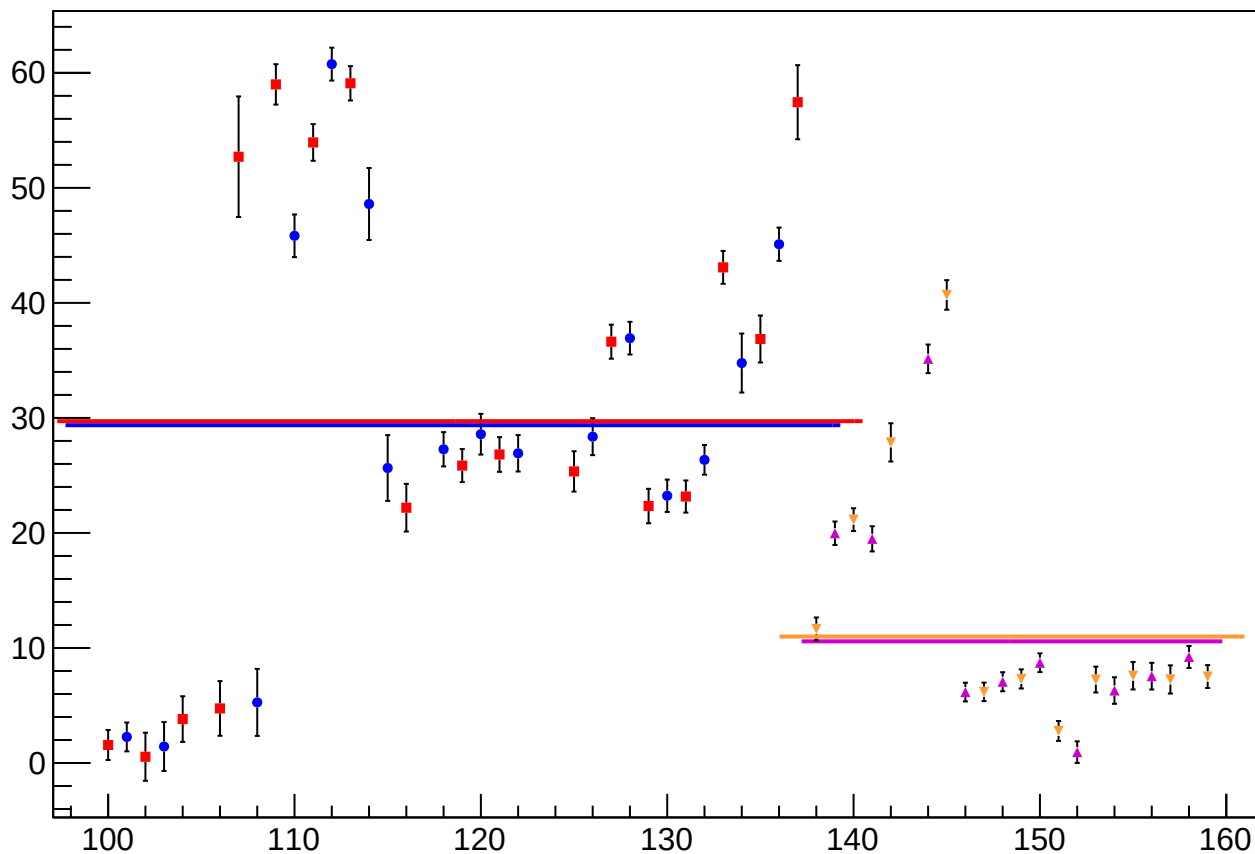
Right: 3.910 ± 0.155 $\chi^2/\text{NDF}: 802.2/33$

In: 2.475 ± 0.151 $\chi^2/\text{NDF}: 567.9/25$

Out: 2.761 ± 0.151 $\chi^2/\text{NDF}: 549.1/28$

All: 2.618 ± 0.107 $\chi^2/\text{NDF}: 1118.7/54$

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: 10.992 $\pm$ 0.309 χ^2 /NDF:928.2/10

Right Out: 29.719 $\pm$ 0.402 χ^2 /NDF: 2129.5/17

Left In: 10.576 $\pm$ 0.307 χ^2 /NDF:723.8/9

Left: 10.783 $\pm$ 0.218 χ^2 /NDF: 1653.0/20

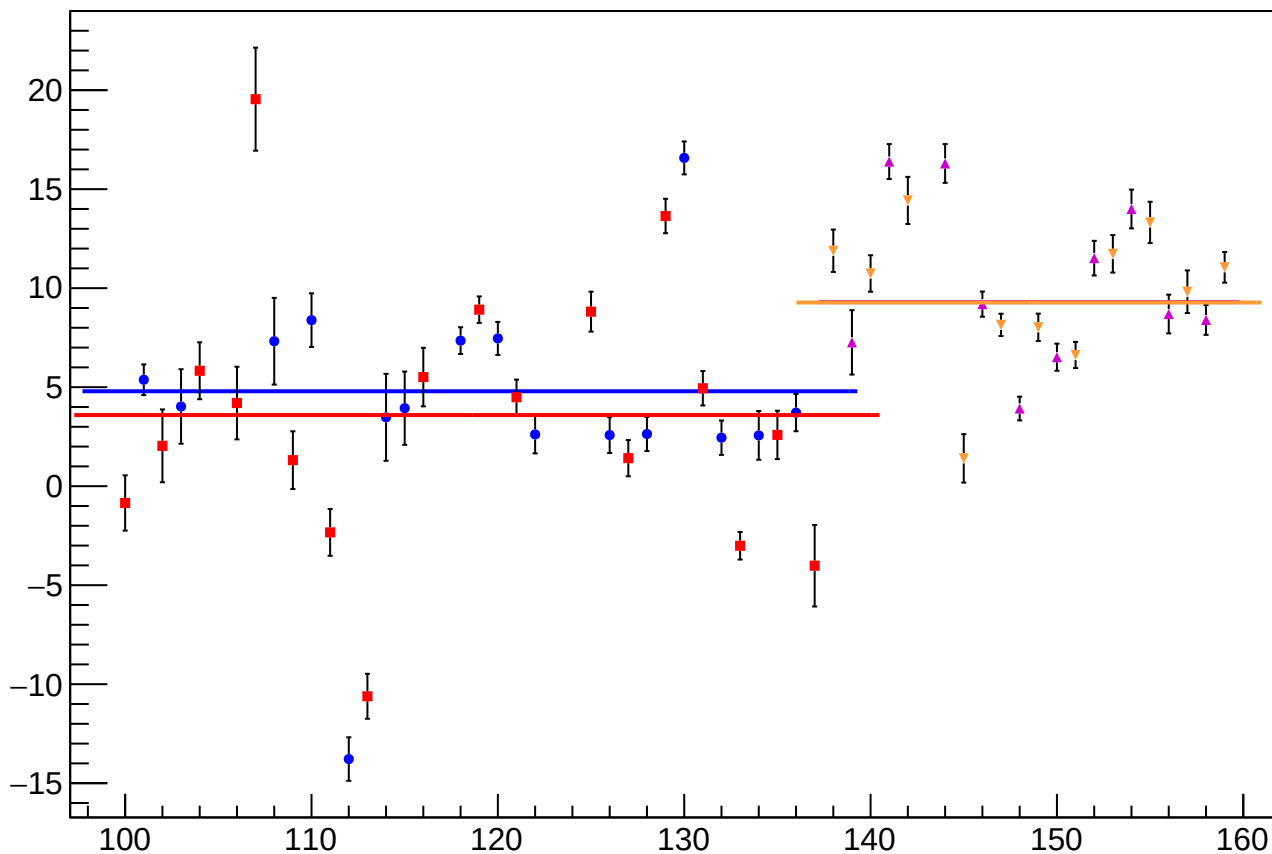
Right: 29.549 $\pm$ 0.289 χ^2 /NDF: 3618.6/33

In: 17.182 $\pm$ 0.247 χ^2 /NDF:3532.5/25

Out: 17.929 $\pm$ 0.245 χ^2 /NDF:4420.9/28

All: 17.559 $\pm$ 0.174 χ^2 /NDF: 7958.1/54

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.794 ± 0.251 $\chi^2/\text{NDF}: 550.0/15$

Left Out: 9.277 ± 0.254 $\chi^2/\text{NDF}: 119.3/10$

Right Out: 3.591 ± 0.254 $\chi^2/\text{NDF}: 573.3/17$

Left In: 9.299 ± 0.256 $\chi^2/\text{NDF}: 245.5/9$

Left: 9.288 ± 0.180 $\chi^2/\text{NDF}: 364.9/20$

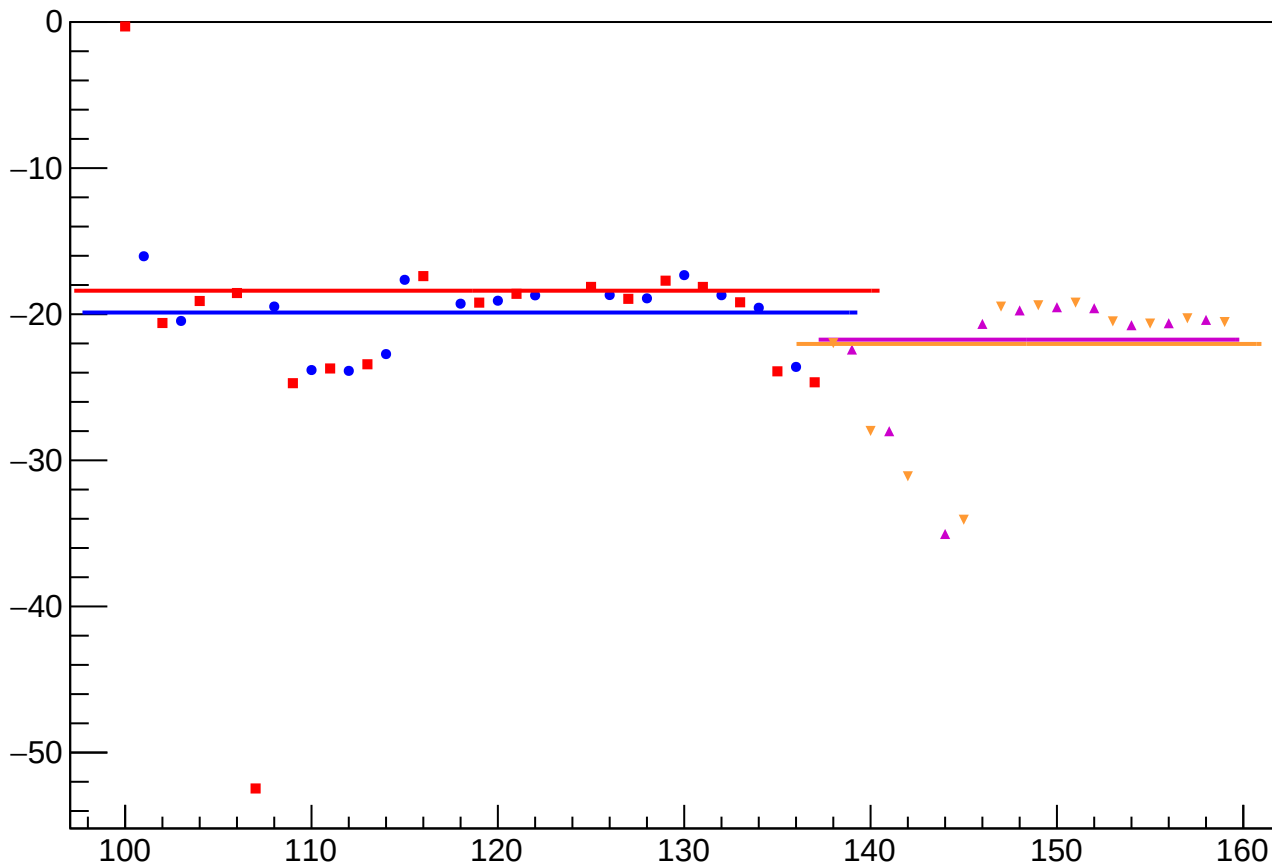
Right: 4.201 ± 0.179 $\chi^2/\text{NDF}: 1134.6/33$

In: 7.002 ± 0.179 $\chi^2/\text{NDF}: 953.3/25$

Out: 6.444 ± 0.180 $\chi^2/\text{NDF}: 943.1/28$

All: 6.724 ± 0.127 $\chi^2/\text{NDF}: 1901.3/54$

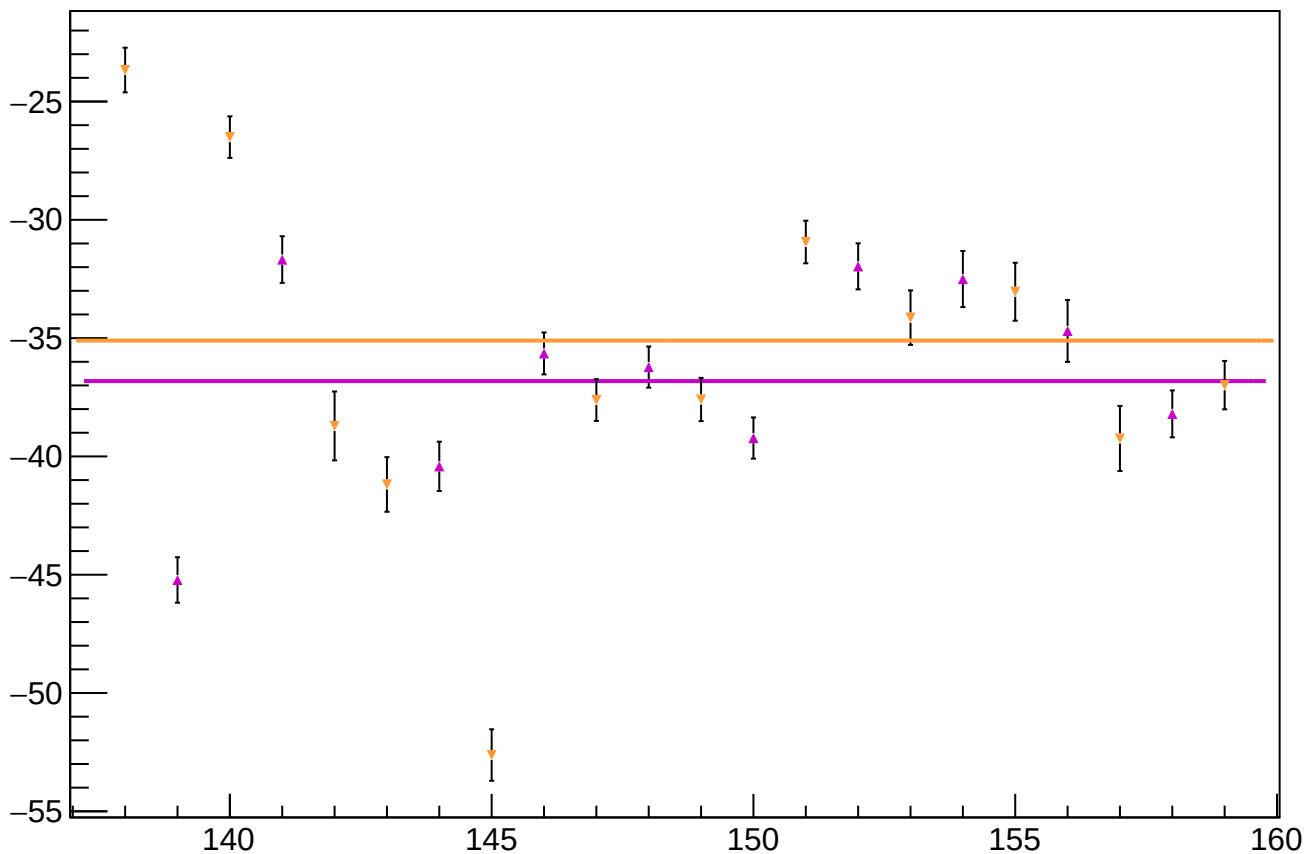
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.883 ± 0.016 $\chi^2/\text{NDF}: 26063.5/15$
 Left Out: -22.033 ± 0.012 $\chi^2/\text{NDF}: 114985.7/10$
 Right Out: -18.390 ± 0.015 $\chi^2/\text{NDF}: 301247.7/17$
 Left In: -21.740 ± 0.012 $\chi^2/\text{NDF}: 94478.5/9$

Left: -21.884 ± 0.009 $\chi^2/\text{NDF}: 209752.1/20$
 Right: -19.096 ± 0.011 $\chi^2/\text{NDF}: 332167.8/33$
 In: -21.038 ± 0.010 $\chi^2/\text{NDF}: 129400.4/25$
 Out: -20.530 ± 0.009 $\chi^2/\text{NDF}: 452131.2/28$
 All: -20.781 ± 0.007 $\chi^2/\text{NDF}: 582958.7/54$

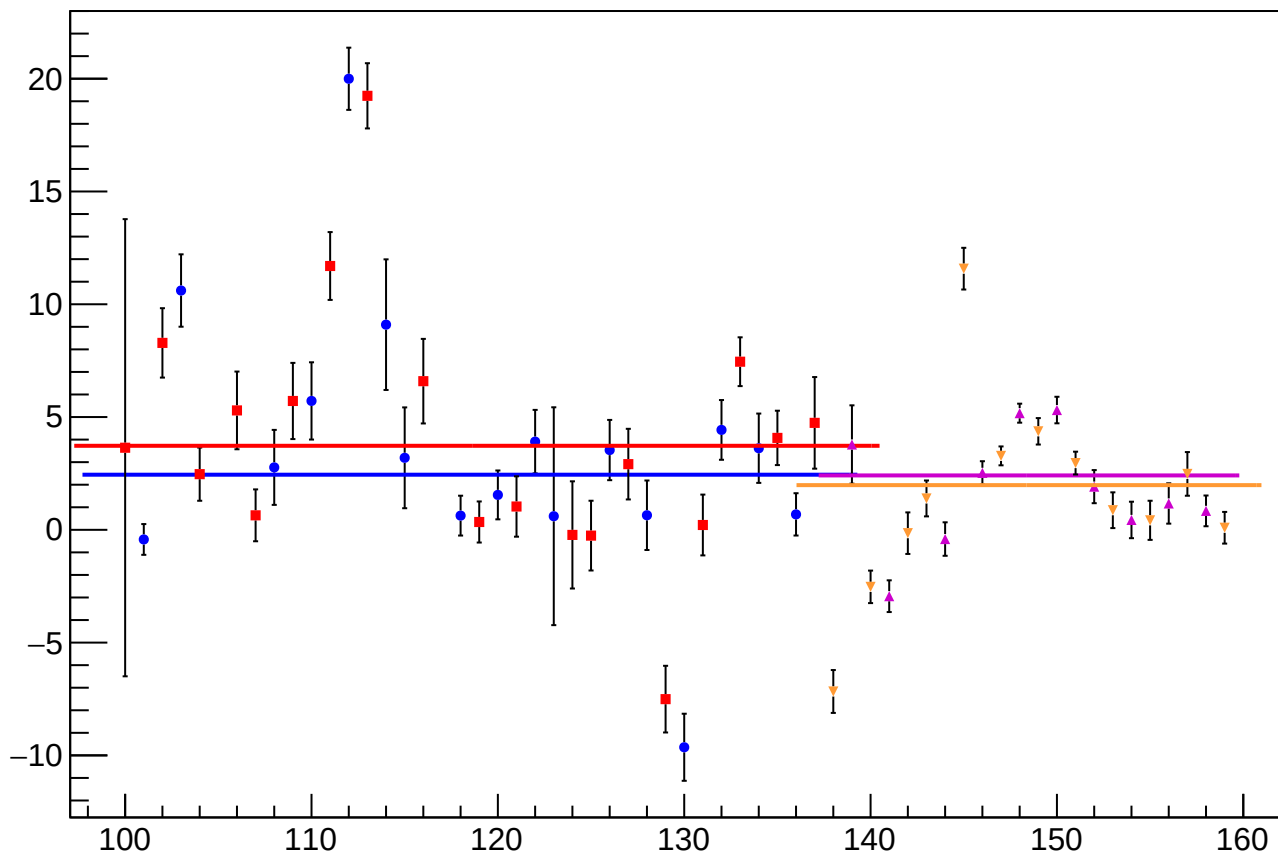
reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -35.104+/-0.300 χ^2/NDF :588.0/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -36.815+/-0.311 χ^2/NDF :168.0/9

Left: -35.929+/-0.216 χ^2/NDF : 771.6/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -36.815+/-0.311 χ^2/NDF :168.0/9
 Out: -35.104+/-0.300 χ^2/NDF :588.0/11
 All: -35.929+/-0.216 χ^2/NDF : 771.6/21

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.444 ± 0.311 $\chi^2/\text{NDF}: 295.3/16$

Left Out: 1.981 ± 0.198 $\chi^2/\text{NDF}: 288.1/11$

Right Out: 3.726 ± 0.327 $\chi^2/\text{NDF}: 269.1/18$

Left In: 2.412 ± 0.207 $\chi^2/\text{NDF}: 154.0/9$

Left: 2.187 ± 0.143 $\chi^2/\text{NDF}: 444.3/21$

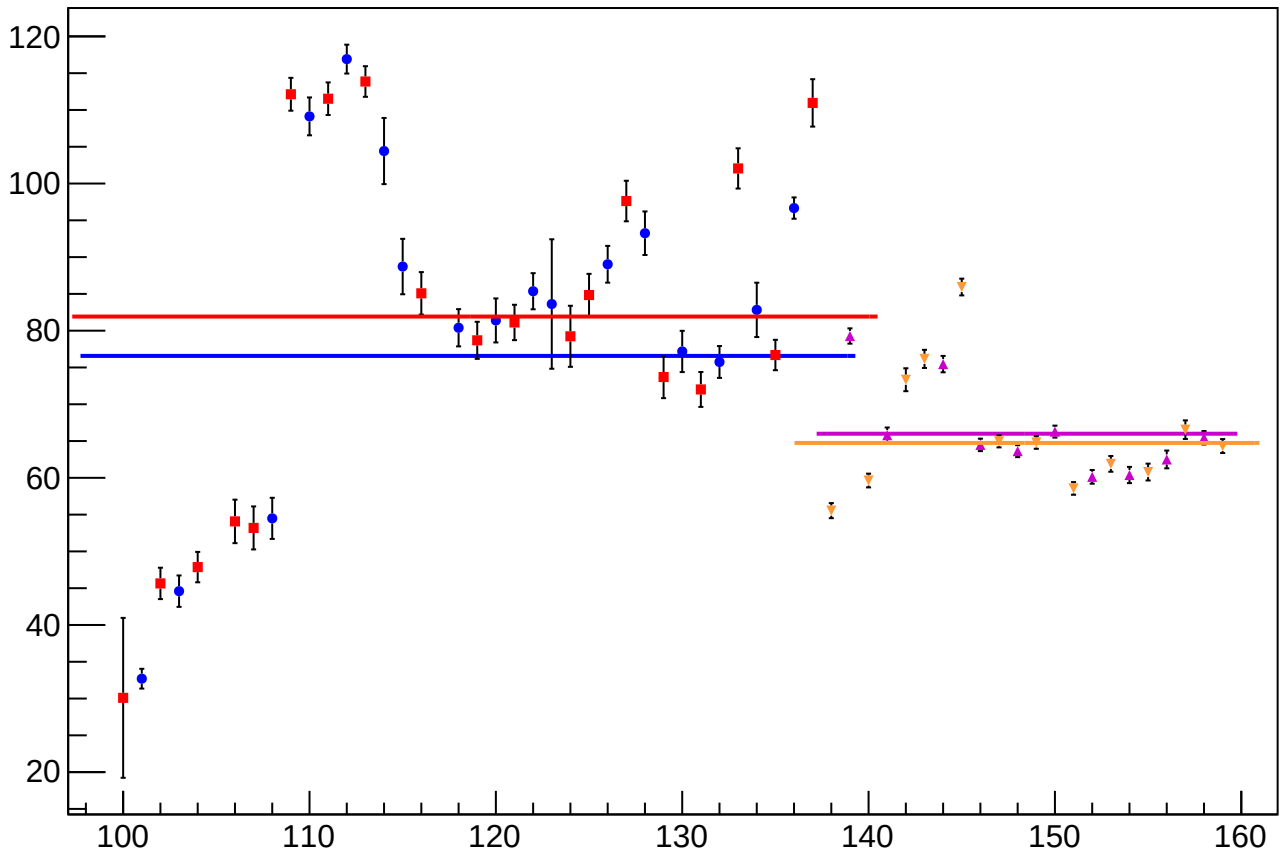
Right: 3.053 ± 0.225 $\chi^2/\text{NDF}: 572.5/35$

In: 2.422 ± 0.173 $\chi^2/\text{NDF}: 449.3/26$

Out: 2.450 ± 0.169 $\chi^2/\text{NDF}: 578.1/30$

All: 2.436 ± 0.121 $\chi^2/\text{NDF}: 1027.4/57$

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: 64.743 $\pm$ 0.295 χ^2 /NDF: 647.2/11

Right Out: 81.923 $\pm$ 0.592 χ^2 /NDF: 1570.6/18

Left In: 65.996 $\pm$ 0.303 χ^2 /NDF: 320.7/9

Left: 65.352 $\pm$ 0.211 χ^2 /NDF: 976.7/21

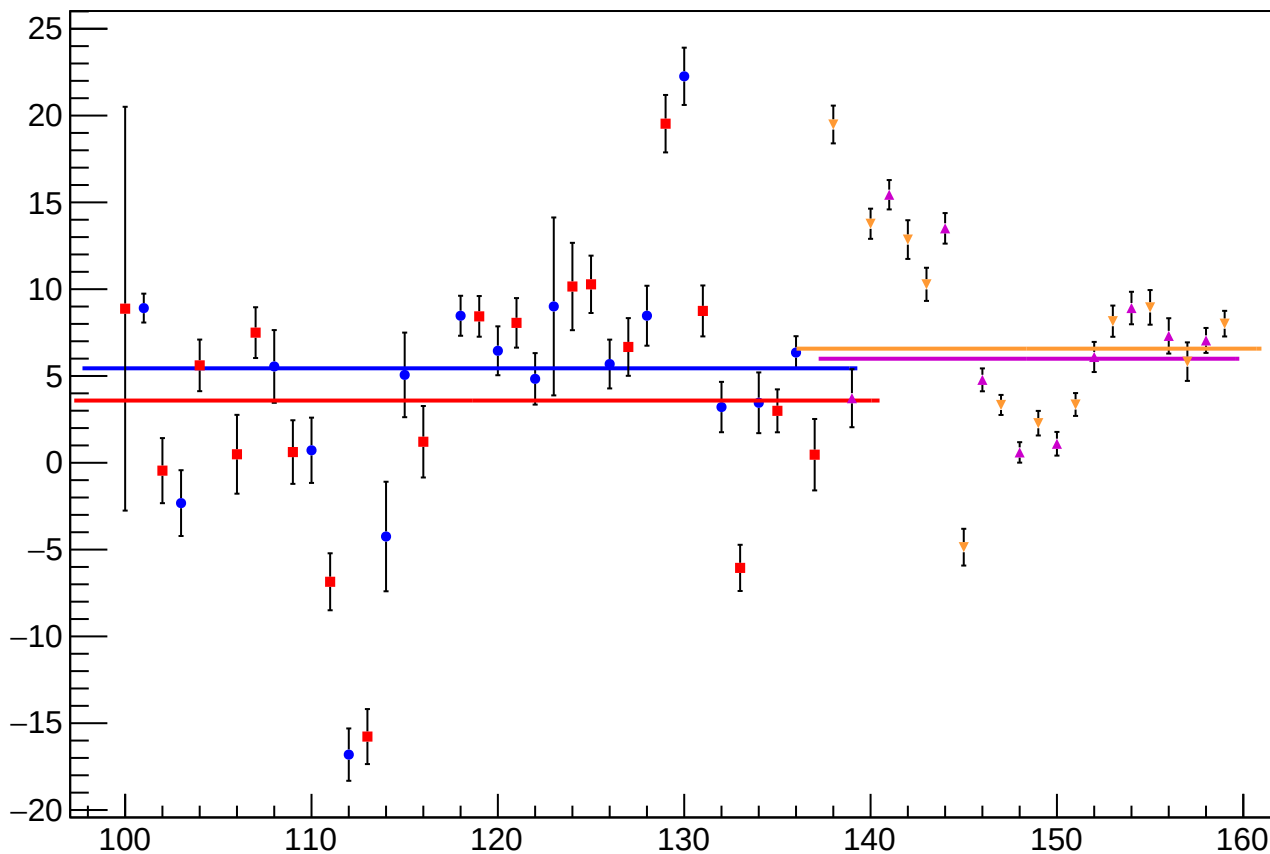
Right: 79.162 $\pm$ 0.412 χ^2 /NDF: 3866.3/35

In: 68.303 $\pm$ 0.268 χ^2 /NDF: 2840.4/26

Out: 68.156 $\pm$ 0.264 χ^2 /NDF: 2892.9/30

All: 68.229 $\pm$ 0.188 χ^2 /NDF: 5733.4/57

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.442 ± 0.357 $\chi^2/\text{NDF}: 387.5/16$

Left Out: 6.575 ± 0.241 $\chi^2/\text{NDF}: 478.2/11$

Right Out: 3.585 ± 0.375 $\chi^2/\text{NDF}: 423.2/18$

Left In: 5.994 ± 0.252 $\chi^2/\text{NDF}: 351.8/9$

Left: 6.297 ± 0.174 $\chi^2/\text{NDF}: 832.7/21$

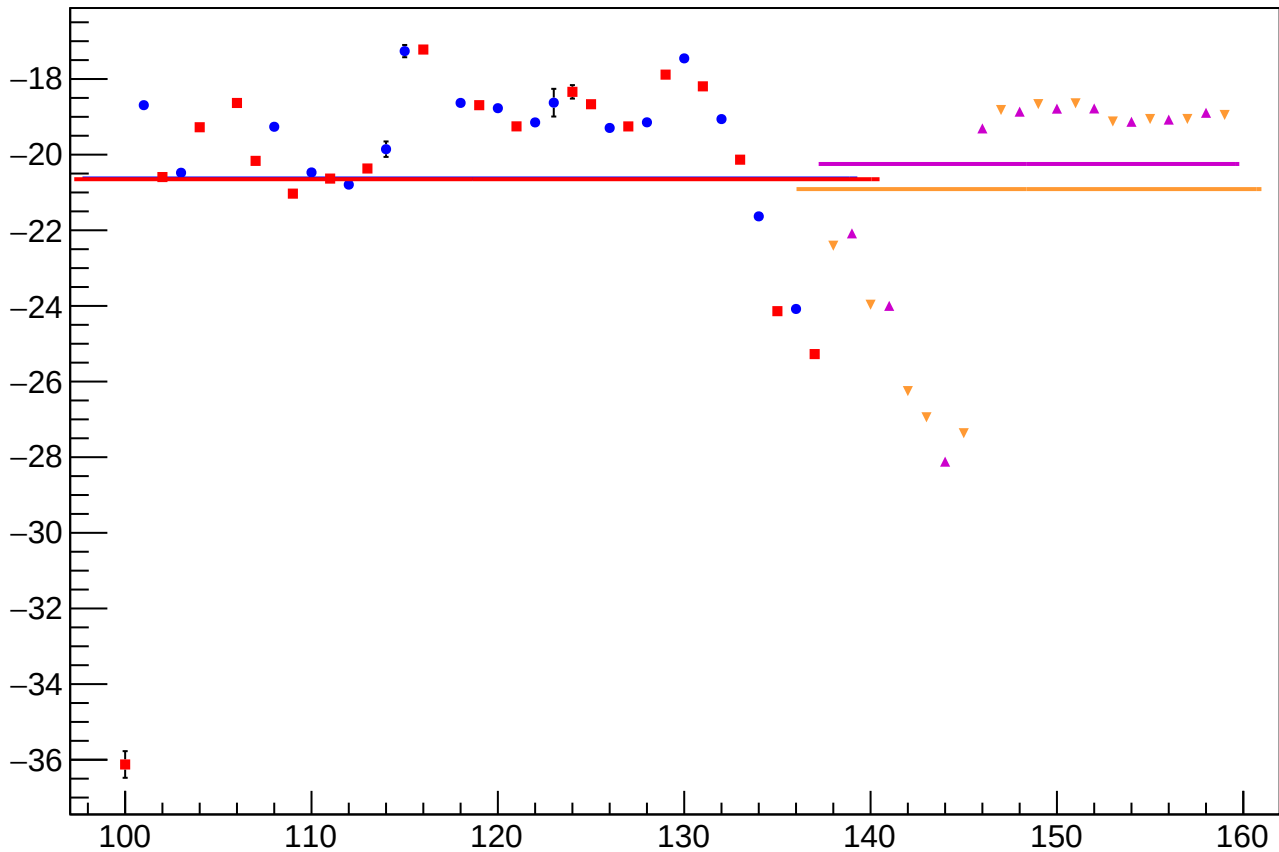
Right: 4.559 ± 0.259 $\chi^2/\text{NDF}: 823.5/35$

In: 5.811 ± 0.206 $\chi^2/\text{NDF}: 740.8/26$

Out: 5.700 ± 0.203 $\chi^2/\text{NDF}: 946.3/30$

All: 5.754 ± 0.145 $\chi^2/\text{NDF}: 1687.3/57$

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.630 ± 0.019 $\chi^2/\text{NDF}: 12490.5/16$

Left Out: -20.911 ± 0.012 $\chi^2/\text{NDF}: 69650.5/11$

Right Out: -20.650 ± 0.019 $\chi^2/\text{NDF}: 13885.7/18$

Left In: -20.247 ± 0.012 $\chi^2/\text{NDF}: 45250.5/9$

Left: -20.585 ± 0.008 $\chi^2/\text{NDF}: 116464.6/21$

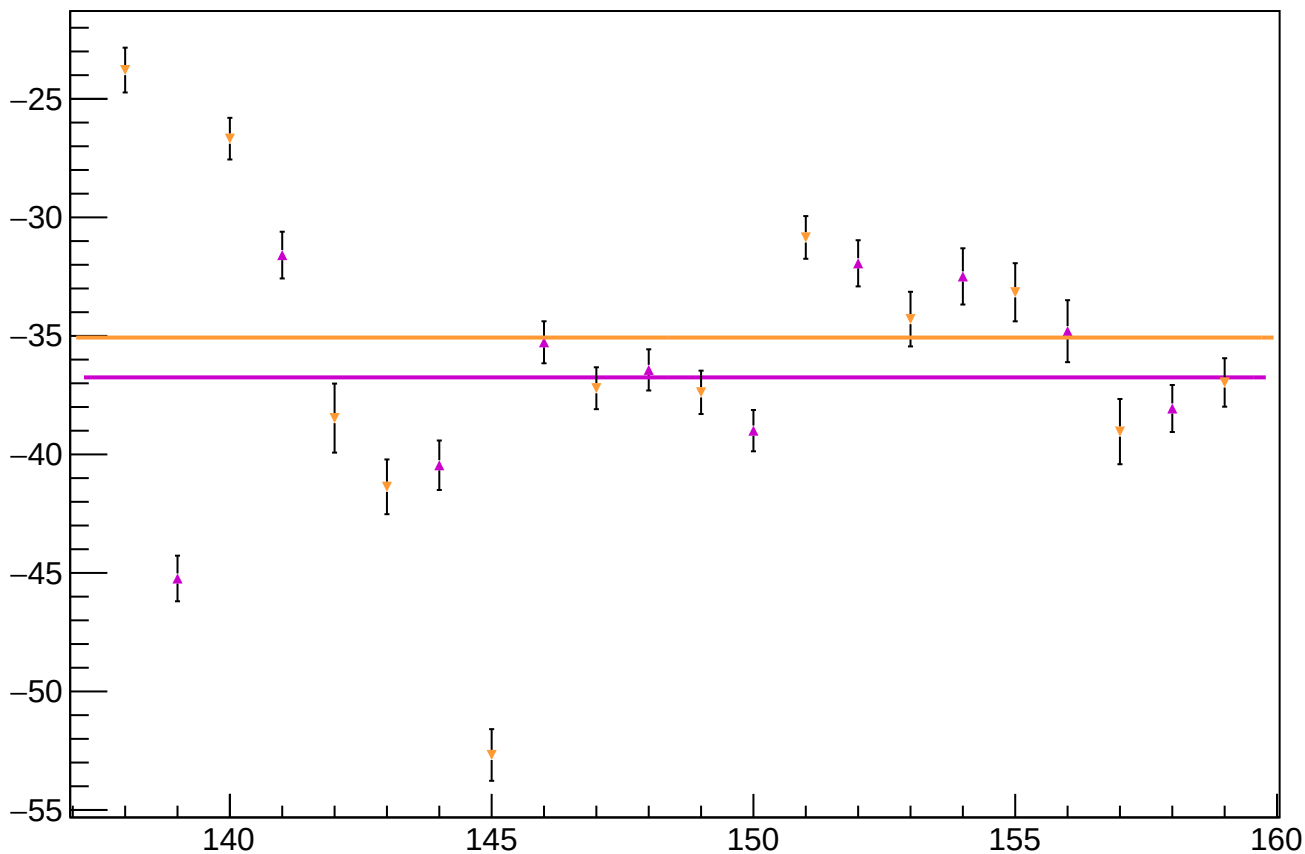
Right: -20.640 ± 0.014 $\chi^2/\text{NDF}: 26376.6/35$

In: -20.354 ± 0.010 $\chi^2/\text{NDF}: 58026.9/26$

Out: -20.841 ± 0.010 $\chi^2/\text{NDF}: 83668.4/30$

All: -20.600 ± 0.007 $\chi^2/\text{NDF}: 142853.1/57$

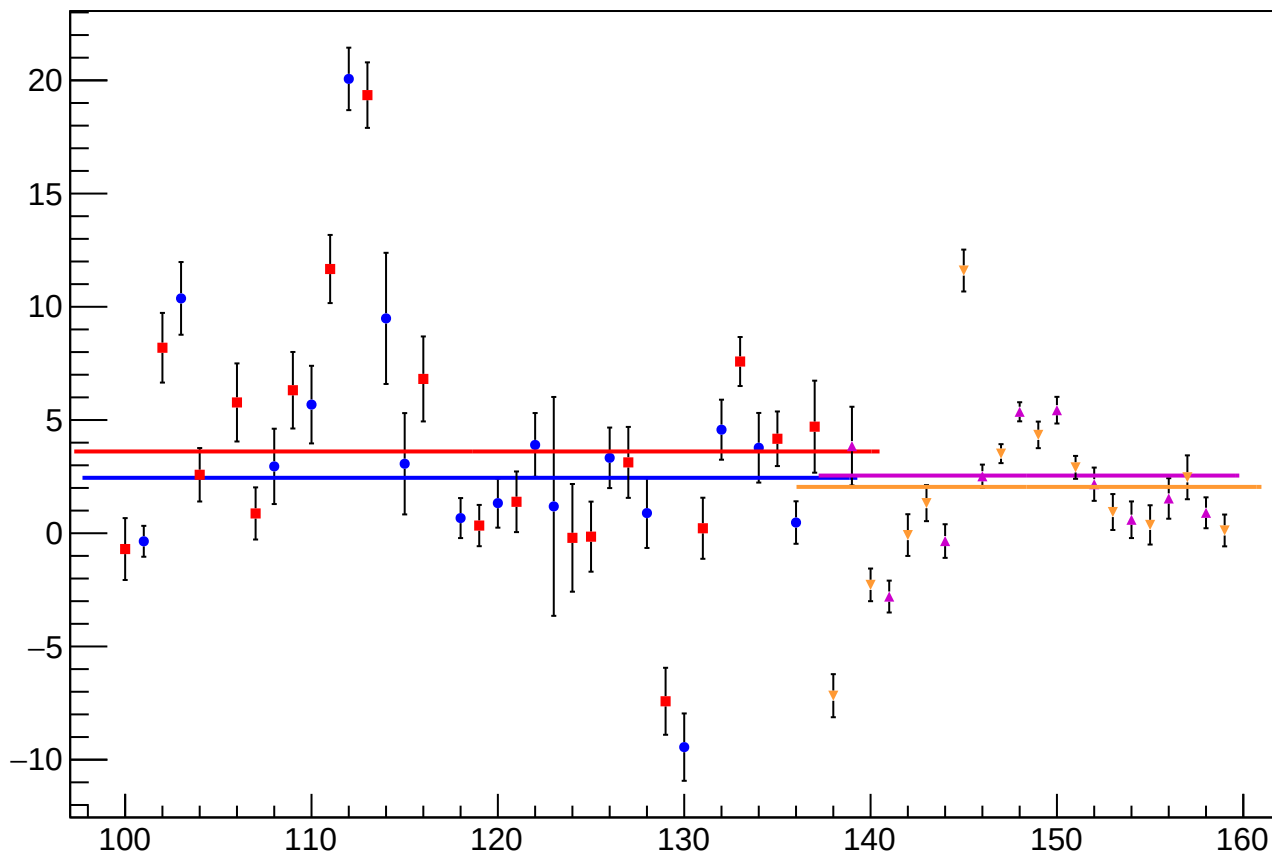
reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -35.070 ± 0.300 $\chi^2/\text{NDF}: 578.9/11$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -36.750 ± 0.311 $\chi^2/\text{NDF}: 168.6/9$

Left: -35.880 ± 0.216 $\chi^2/\text{NDF}: 762.5/21$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -36.750 ± 0.311 $\chi^2/\text{NDF}: 168.6/9$
 Out: -35.070 ± 0.300 $\chi^2/\text{NDF}: 578.9/11$
 All: -35.880 ± 0.216 $\chi^2/\text{NDF}: 762.5/21$

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.448 ± 0.311 $\chi^2/\text{NDF}: 293.4/16$

Left Out: 2.046 ± 0.198 $\chi^2/\text{NDF}: 286.8/11$

Right Out: 3.611 ± 0.318 $\chi^2/\text{NDF}: 279.4/18$

Left In: 2.547 ± 0.208 $\chi^2/\text{NDF}: 155.3/9$

Left: 2.285 ± 0.143 $\chi^2/\text{NDF}: 445.1/21$

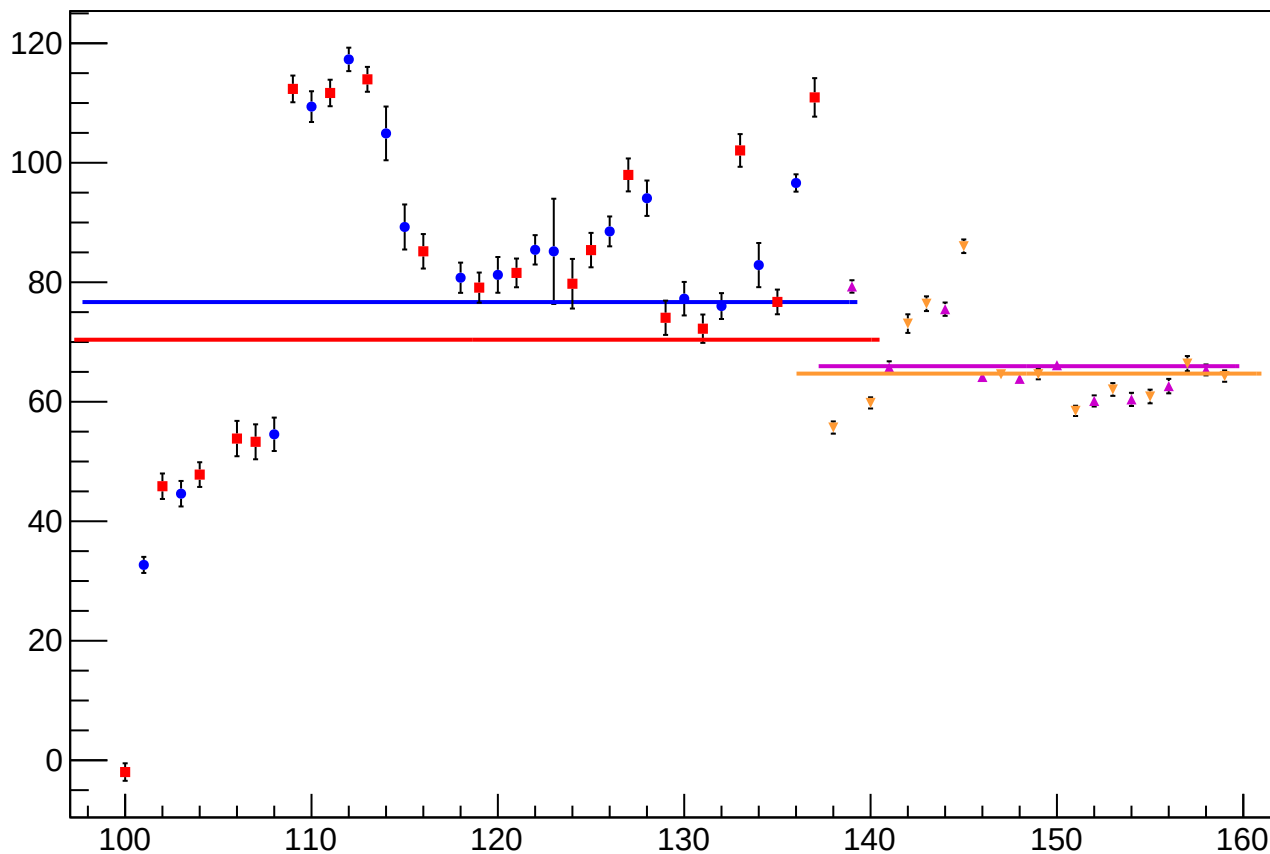
Right: 3.017 ± 0.223 $\chi^2/\text{NDF}: 579.6/35$

In: 2.516 ± 0.173 $\chi^2/\text{NDF}: 448.7/26$

Out: 2.483 ± 0.168 $\chi^2/\text{NDF}: 583.6/30$

All: 2.500 ± 0.120 $\chi^2/\text{NDF}: 1032.4/57$

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: 64.714 $\pm$ 0.295 χ^2 /NDF: 646.7/11

Right Out: 70.386 $\pm$ 0.550 χ^2 /NDF: 4391.1/18

Left In: 65.955 $\pm$ 0.303 χ^2 /NDF: 321.0/9

Left: 65.318 $\pm$ 0.211 χ^2 /NDF: 976.3/21

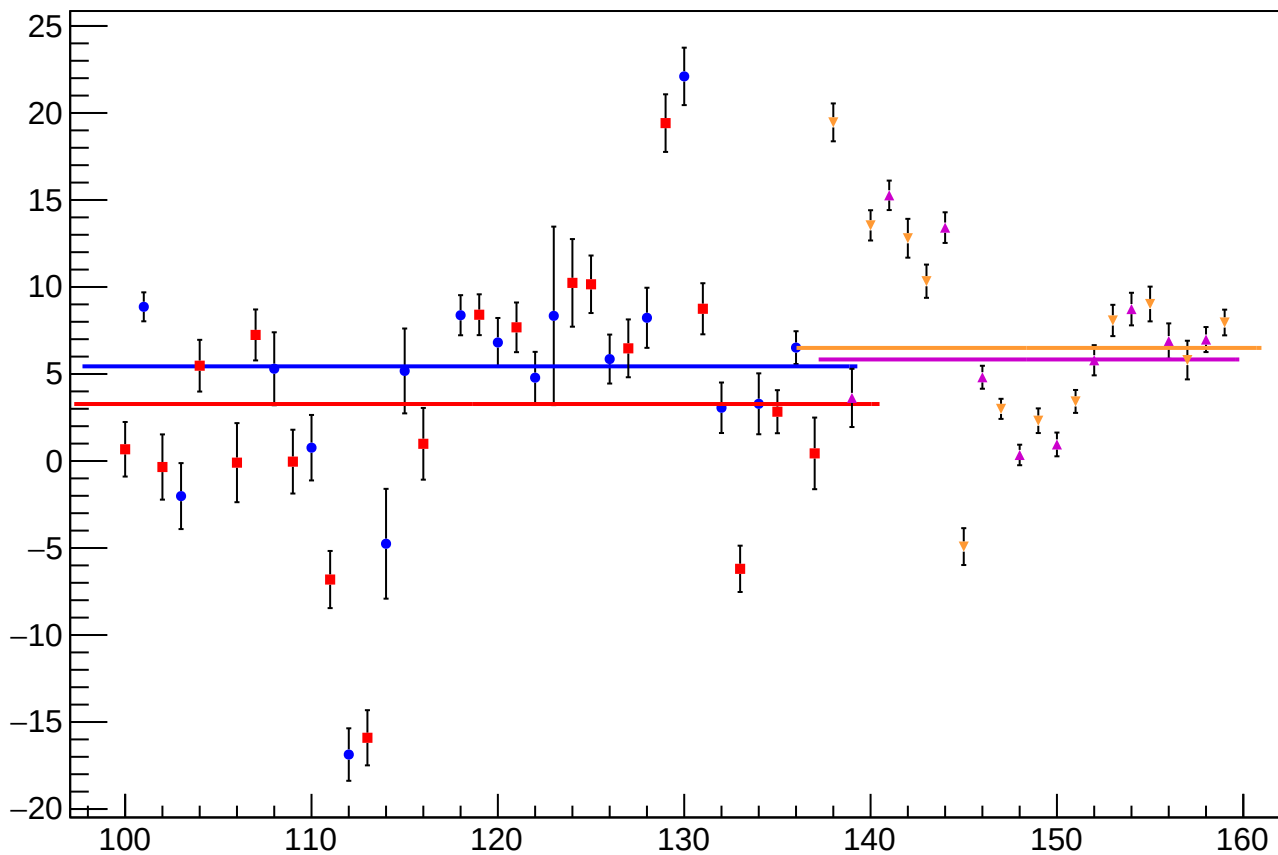
Right: 73.402 $\pm$ 0.397 χ^2 /NDF: 6719.1/35

In: 68.297 $\pm$ 0.268 χ^2 /NDF: 2859.7/26

Out: 65.981 $\pm$ 0.260 χ^2 /NDF: 5120.5/30

All: 67.104 $\pm$ 0.187 χ^2 /NDF: 8018.7/57

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.439 ± 0.357 χ^2/NDF : 385.9/16

Left Out: 6.498 ± 0.242 χ^2/NDF : 478.8/11

Right Out: 3.275 ± 0.365 χ^2/NDF : 425.8/18

Left In: 5.835 ± 0.252 χ^2/NDF : 353.4/9

Left: 6.181 ± 0.174 χ^2/NDF : 835.8/21

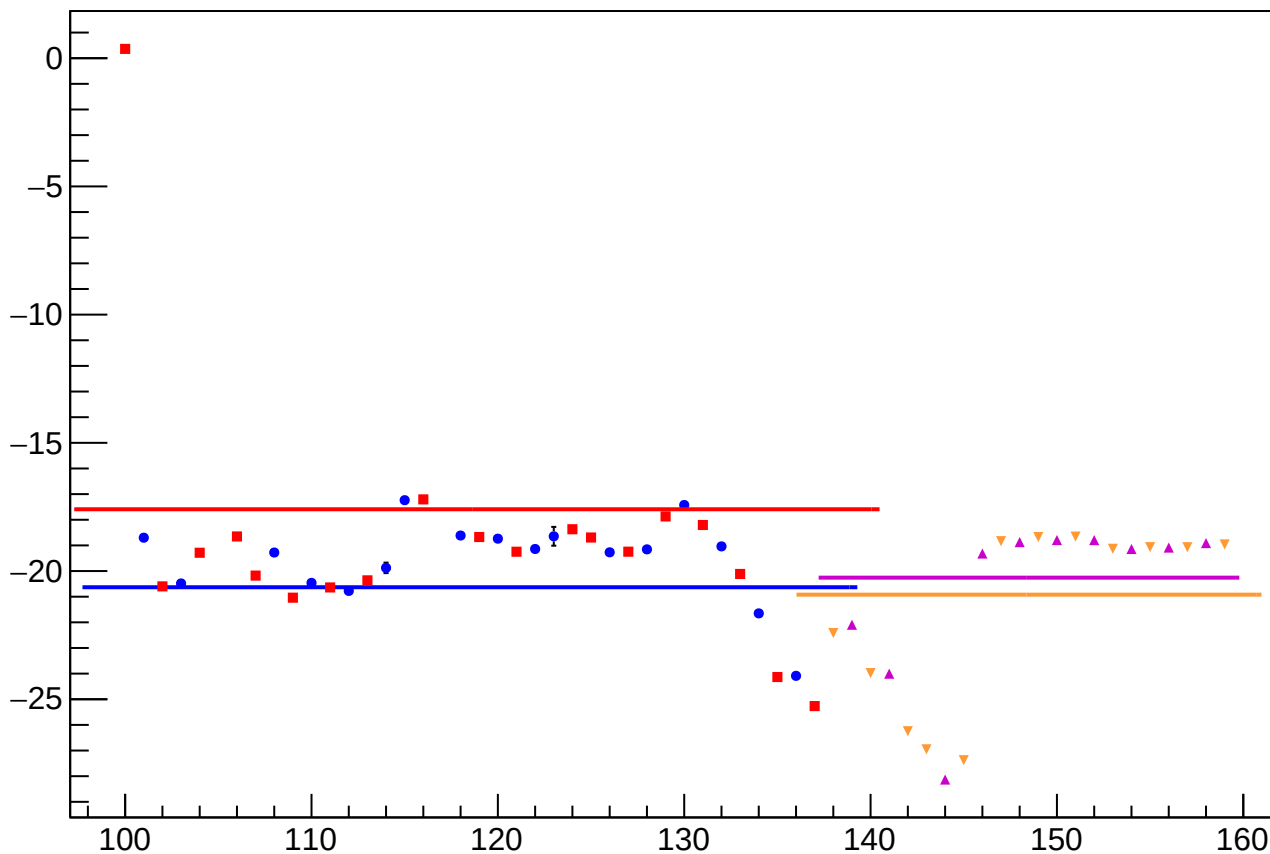
Right: 4.381 ± 0.256 χ^2/NDF : 829.6/35

In: 5.704 ± 0.206 χ^2/NDF : 740.1/26

Out: 5.518 ± 0.201 χ^2/NDF : 958.8/30

All: 5.609 ± 0.144 χ^2/NDF : 1699.3/57

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.632 ± 0.019 $\chi^2/\text{NDF}: 12530.8/16$

Left Out: -20.921 ± 0.012 $\chi^2/\text{NDF}: 69484.0/11$

Right Out: -17.591 ± 0.018 $\chi^2/\text{NDF}: 178680.7/18$

Left In: -20.258 ± 0.012 $\chi^2/\text{NDF}: 45181.2/9$

Left: -20.595 ± 0.008 $\chi^2/\text{NDF}: 116224.4/21$

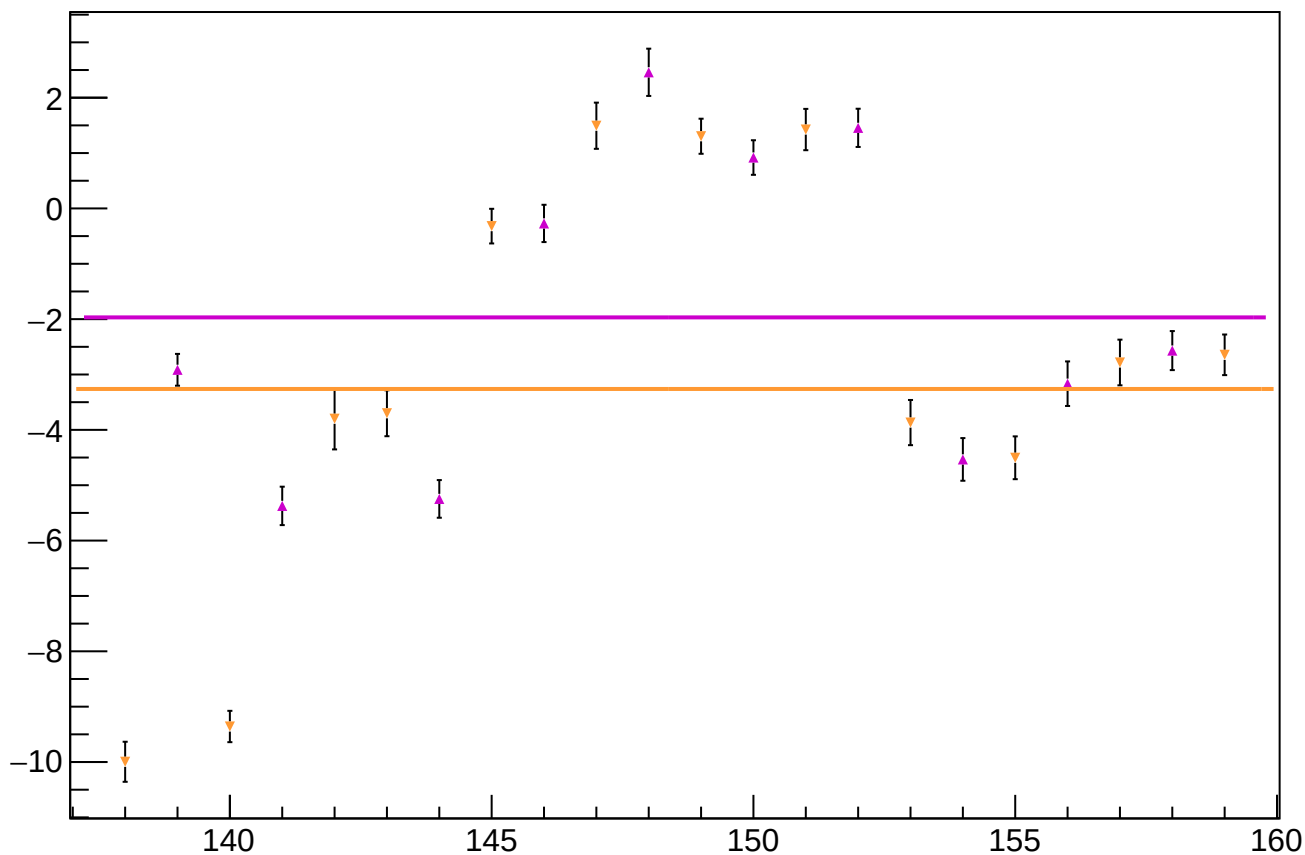
Right: -19.007 ± 0.013 $\chi^2/\text{NDF}: 204486.4/35$

In: -20.362 ± 0.010 $\chi^2/\text{NDF}: 57982.9/26$

Out: -19.924 ± 0.010 $\chi^2/\text{NDF}: 272112.3/30$

All: -20.136 ± 0.007 $\chi^2/\text{NDF}: 331050.0/57$

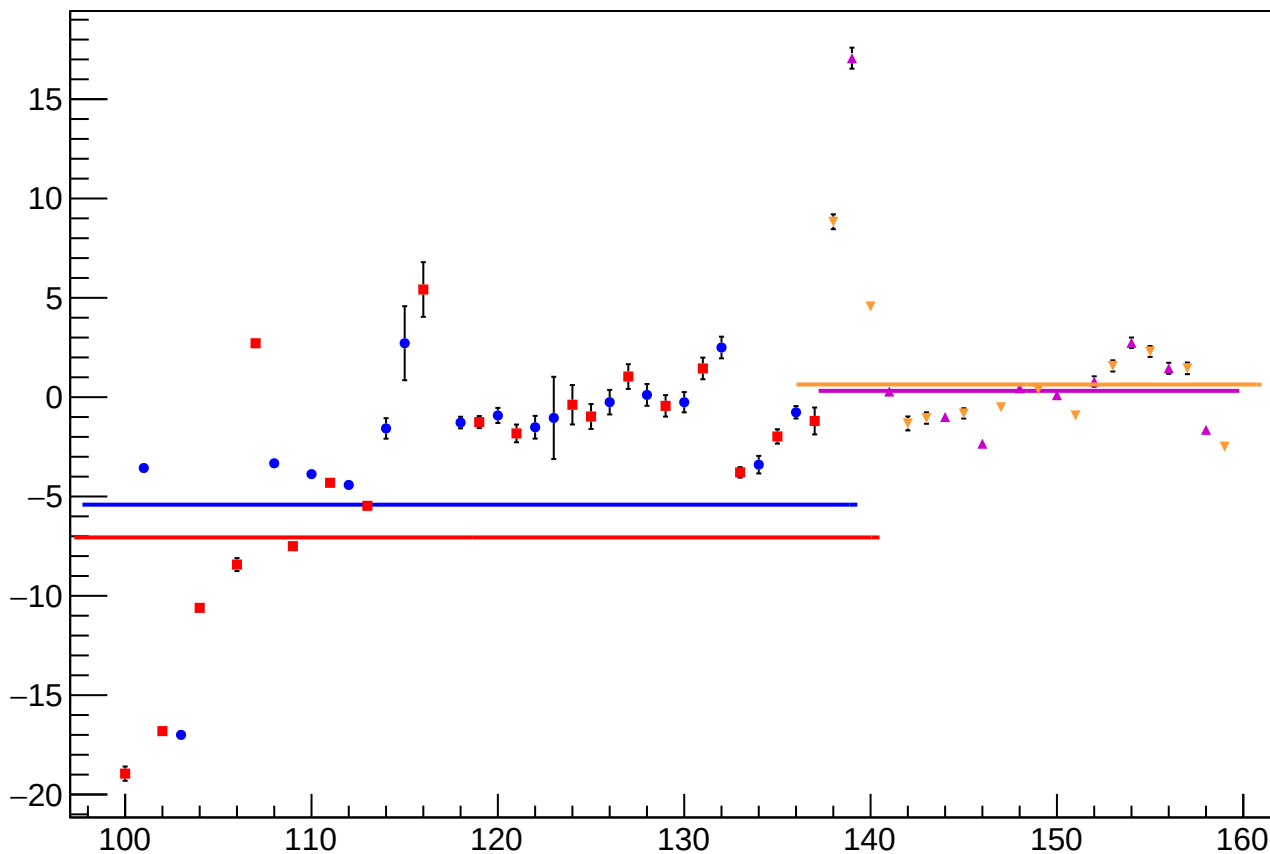
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.261+/-0.106 χ^2/NDF :1413.3/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.968+/-0.110 χ^2/NDF :572.9/9

Left: -2.635+/-0.076 χ^2/NDF : 2057.7/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -1.968+/-0.110 χ^2/NDF :572.9/9
 Out: -3.261+/-0.106 χ^2/NDF :1413.3/11
 All: -2.635+/-0.076 χ^2/NDF : 2057.7/21

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: 0.637 ± 0.074 χ^2/NDF : 1147.8/11

Right Out: -7.060 ± 0.059 χ^2/NDF : 12329.4/18

Left In: 0.318 ± 0.079 χ^2/NDF : 1357.1/9

Left: 0.487 ± 0.054 χ^2/NDF : 2513.7/21

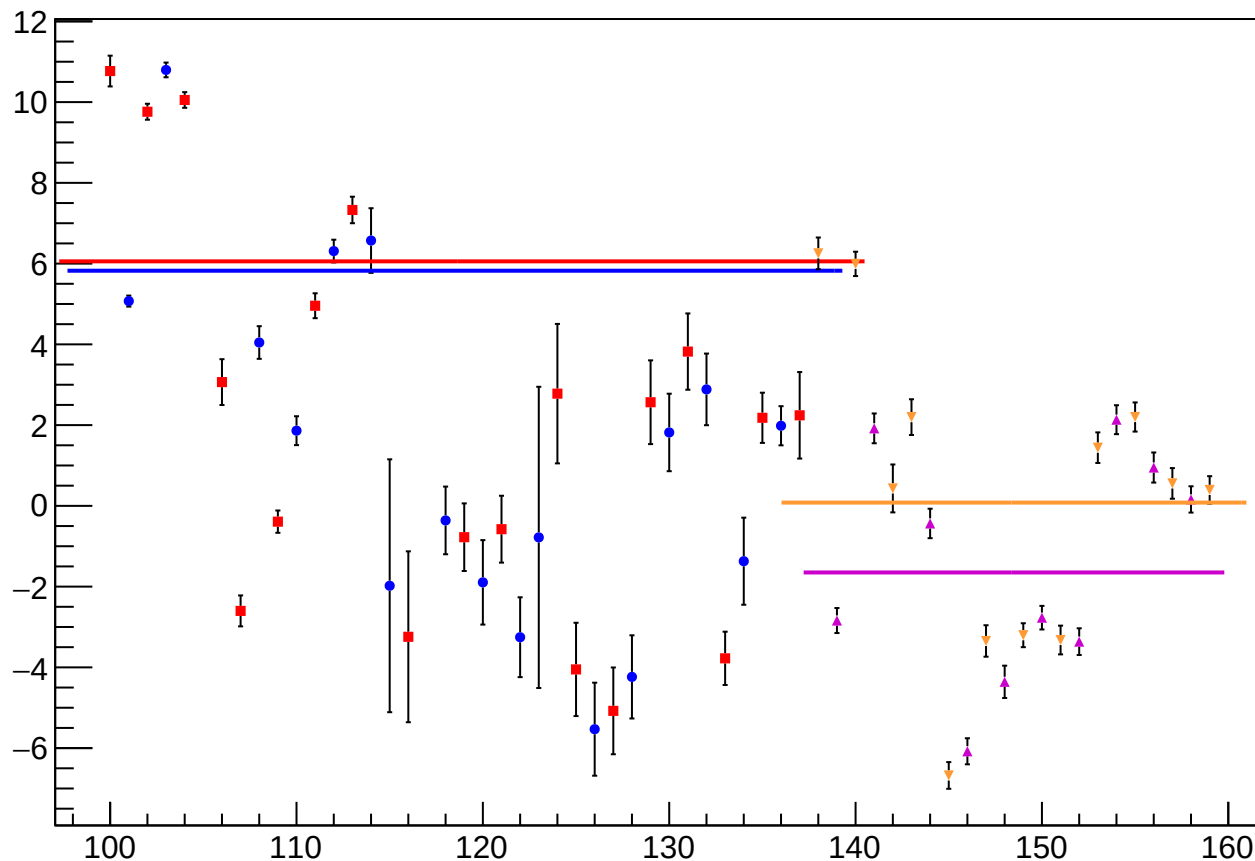
Right: -6.173 ± 0.040 χ^2/NDF : 22010.3/35

In: -3.537 ± 0.045 χ^2/NDF : 14200.6/26

Out: -4.067 ± 0.046 χ^2/NDF : 20086.1/30

All: -3.795 ± 0.032 χ^2/NDF : 34354.5/57

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.824 ± 0.090 $\chi^2/\text{NDF}: 1452.6/16$

Left Out: 0.081 ± 0.105 $\chi^2/\text{NDF}: 1414.8/11$

Right Out: 6.056 ± 0.093 $\chi^2/\text{NDF}: 2668.9/18$

Left In: -1.650 ± 0.108 $\chi^2/\text{NDF}: 586.0/9$

Left: -0.763 ± 0.075 $\chi^2/\text{NDF}: 2133.4/21$

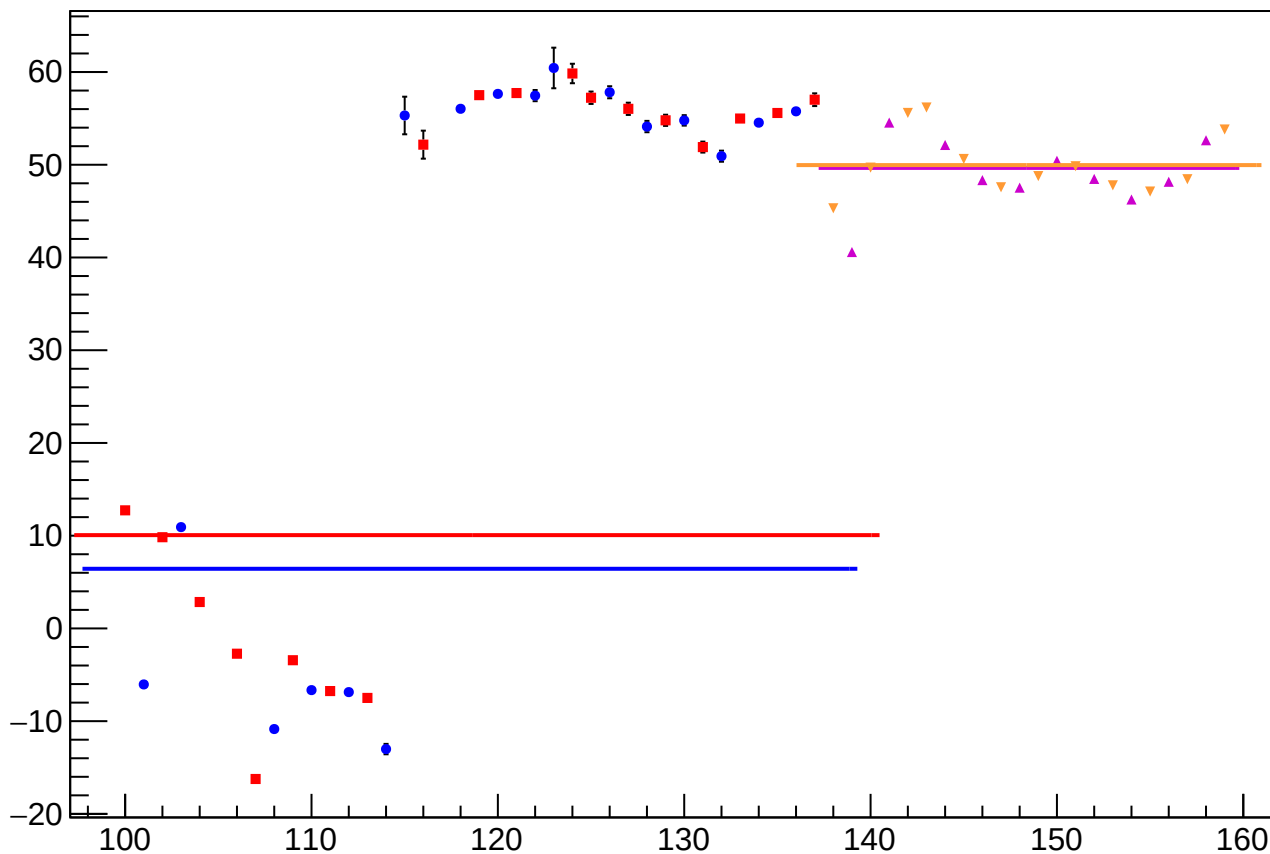
Right: 5.935 ± 0.065 $\chi^2/\text{NDF}: 4124.7/35$

In: 2.763 ± 0.069 $\chi^2/\text{NDF}: 4888.8/26$

Out: 3.419 ± 0.070 $\chi^2/\text{NDF}: 5892.7/30$

All: 3.087 ± 0.049 $\chi^2/\text{NDF}: 10826.3/57$

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: 49.963 ± 0.088 $\chi^2/\text{NDF}: 1086.0/11$

Right Out: 10.060 ± 0.070 $\chi^2/\text{NDF}: 121816.0/18$

Left In: 49.660 ± 0.093 $\chi^2/\text{NDF}: 1043.3/9$

Left: 49.819 ± 0.064 $\chi^2/\text{NDF}: 2134.9/21$

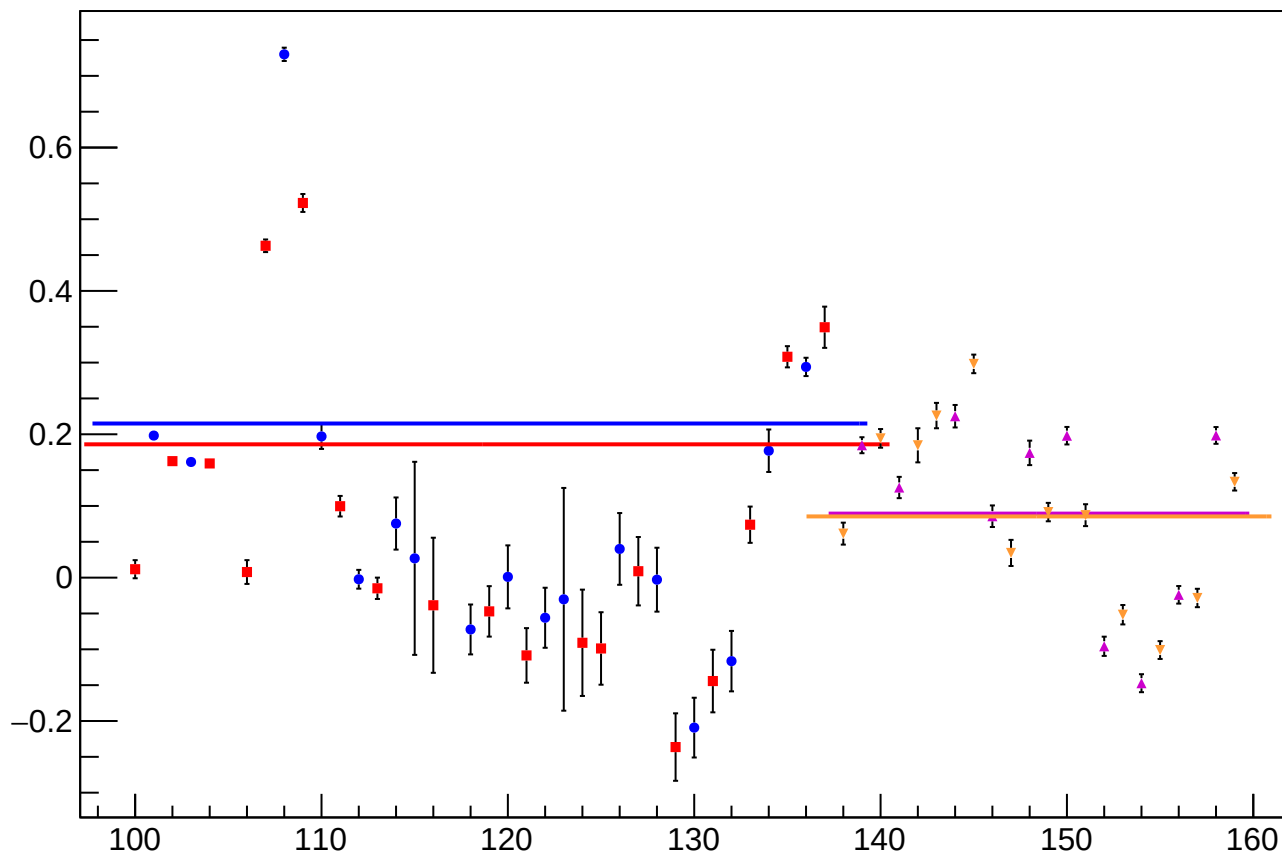
Right: 8.110 ± 0.047 $\chi^2/\text{NDF}: 246756.9/35$

In: 20.592 ± 0.053 $\chi^2/\text{NDF}: 270753.8/26$

Out: 25.406 ± 0.055 $\chi^2/\text{NDF}: 248800.7/30$

All: 22.925 ± 0.038 $\chi^2/\text{NDF}: 523545.2/57$

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: 0.085 $\pm$ 0.004 χ^2 /NDF:852.6/11

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2720.3/18

Left In: 0.089 $\pm$ 0.004 χ^2 /NDF:976.6/9

Left: 0.087 $\pm$ 0.003 χ^2 /NDF: 1829.7/21

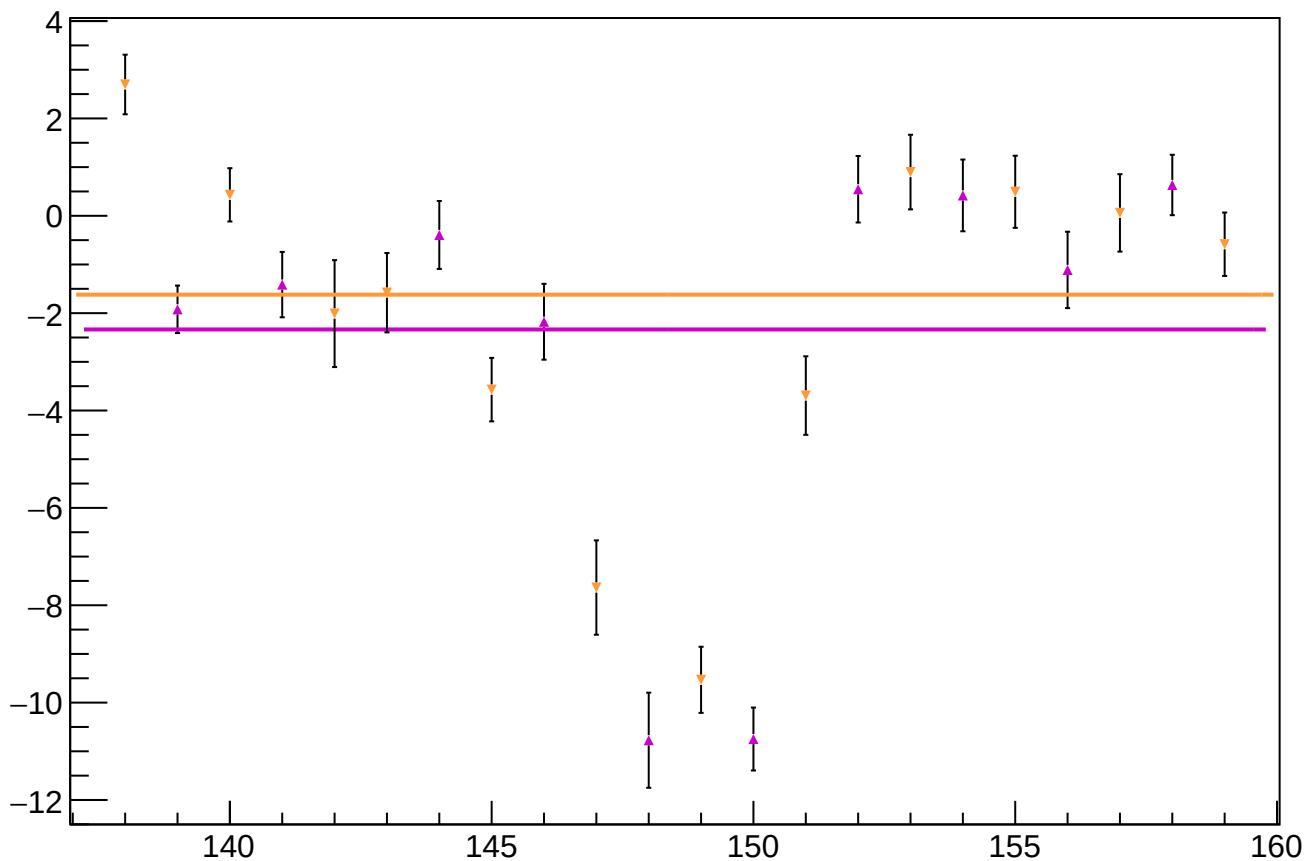
Right: 0.200 $\pm$ 0.002 χ^2 /NDF: 6707.1/35

In: 0.177 $\pm$ 0.002 χ^2 /NDF:5534.1/26

Out: 0.156 $\pm$ 0.002 χ^2 /NDF:3992.3/30

All: 0.166 $\pm$ 0.002 χ^2 /NDF: 9568.5/57

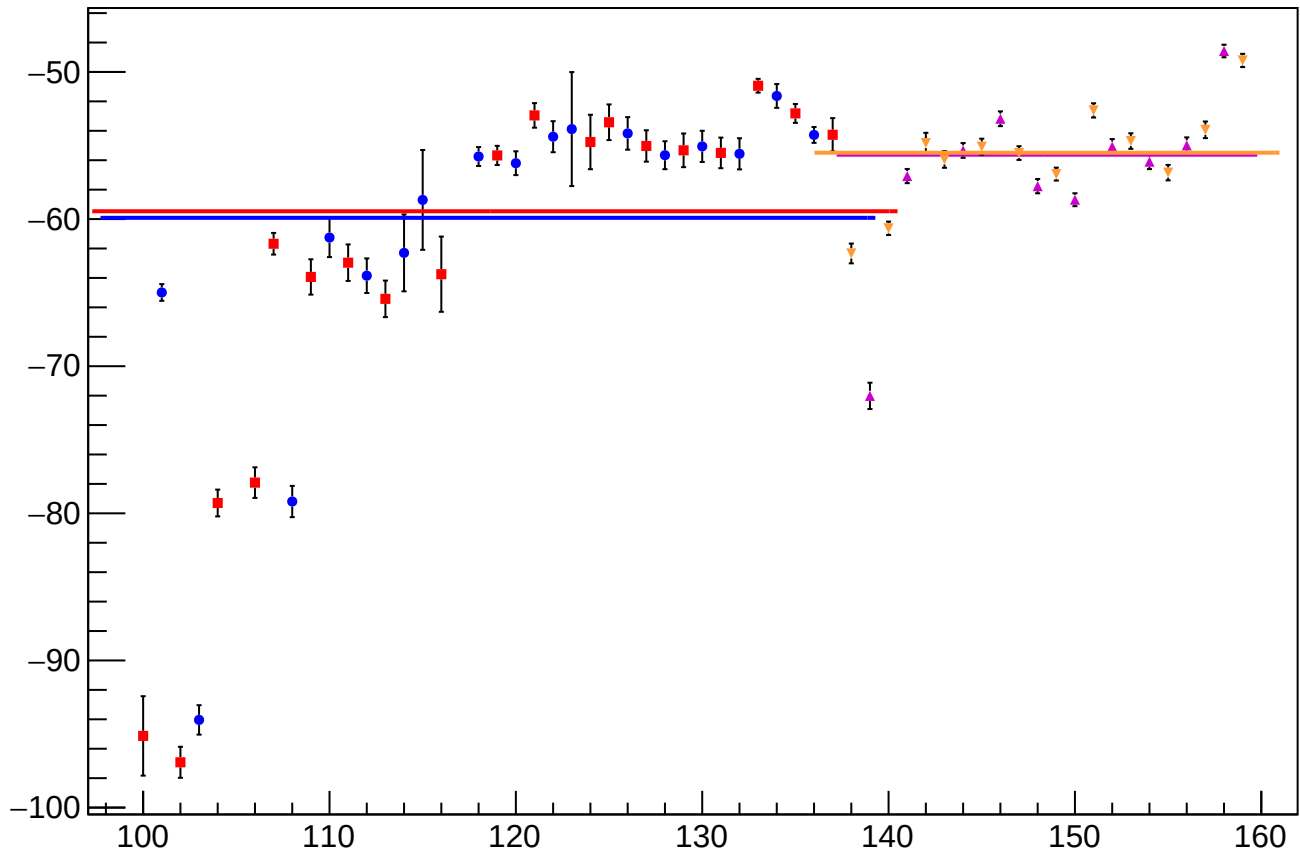
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -1.620 ± 0.209 $\chi^2/\text{NDF}: 279.7/11$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -2.335 ± 0.214 $\chi^2/\text{NDF}: 311.4/9$

Left: -1.968 ± 0.150 $\chi^2/\text{NDF}: 596.7/21$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -2.335 ± 0.214 $\chi^2/\text{NDF}: 311.4/9$
 Out: -1.620 ± 0.209 $\chi^2/\text{NDF}: 279.7/11$
 All: -1.968 ± 0.150 $\chi^2/\text{NDF}: 596.7/21$

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.914 $\pm$ 0.223 χ^2/NDF : 1979.5/16

Left Out: -55.489 $\pm$ 0.149 χ^2/NDF : 488.5/11

Right Out: -59.468 $\pm$ 0.212 χ^2/NDF : 2912.7/18

Left In: -55.625 $\pm$ 0.159 χ^2/NDF : 709.7/9

Left: -55.553 $\pm$ 0.109 χ^2/NDF : 1198.6/21

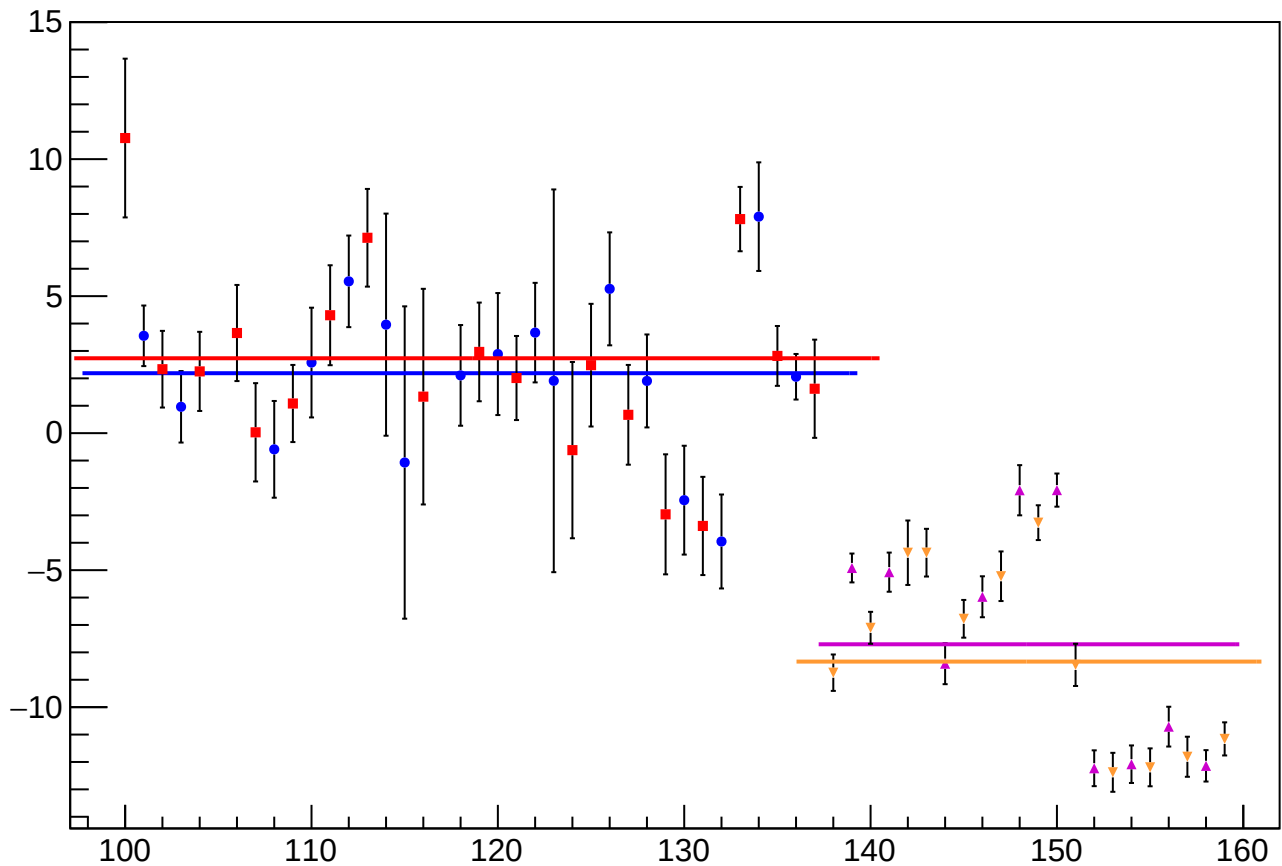
Right: -59.680 $\pm$ 0.154 χ^2/NDF : 4894.3/35

In: -57.075 $\pm$ 0.130 χ^2/NDF : 2934.0/26

Out: -56.809 $\pm$ 0.122 χ^2/NDF : 3636.4/30

All: -56.934 $\pm$ 0.089 χ^2/NDF : 6572.7/57

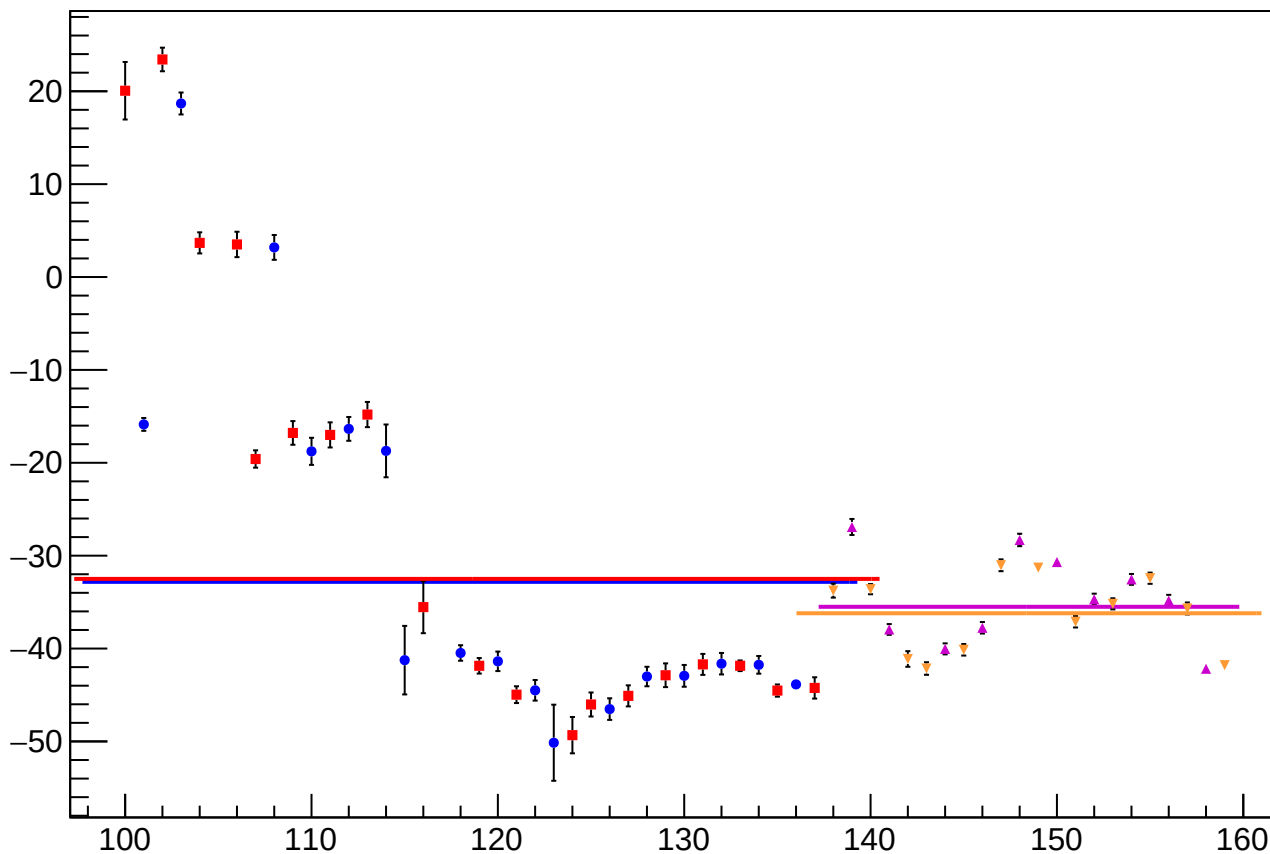
reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.188 ± 0.404 $\chi^2/\text{NDF}: 39.1/16$
 Left Out: -8.337 ± 0.207 $\chi^2/\text{NDF}: 225.6/11$
 Right Out: 2.733 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$
 Left In: -7.705 ± 0.211 $\chi^2/\text{NDF}: 337.9/9$

Left: -8.027 ± 0.148 $\chi^2/\text{NDF}: 568.0/21$
 Right: 2.472 ± 0.280 $\chi^2/\text{NDF}: 98.9/35$
 In: -5.587 ± 0.187 $\chi^2/\text{NDF}: 848.0/26$
 Out: -5.887 ± 0.182 $\chi^2/\text{NDF}: 919.5/30$
 All: -5.741 ± 0.131 $\chi^2/\text{NDF}: 1768.9/57$

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: -36.200 ± 0.176 $\chi^2/\text{NDF}: 520.4/11$

Right Out: -32.501 ± 0.244 $\chi^2/\text{NDF}: 6037.9/18$

Left In: -35.505 ± 0.185 $\chi^2/\text{NDF}: 640.4/9$

Left: -35.871 ± 0.128 $\chi^2/\text{NDF}: 1168.2/21$

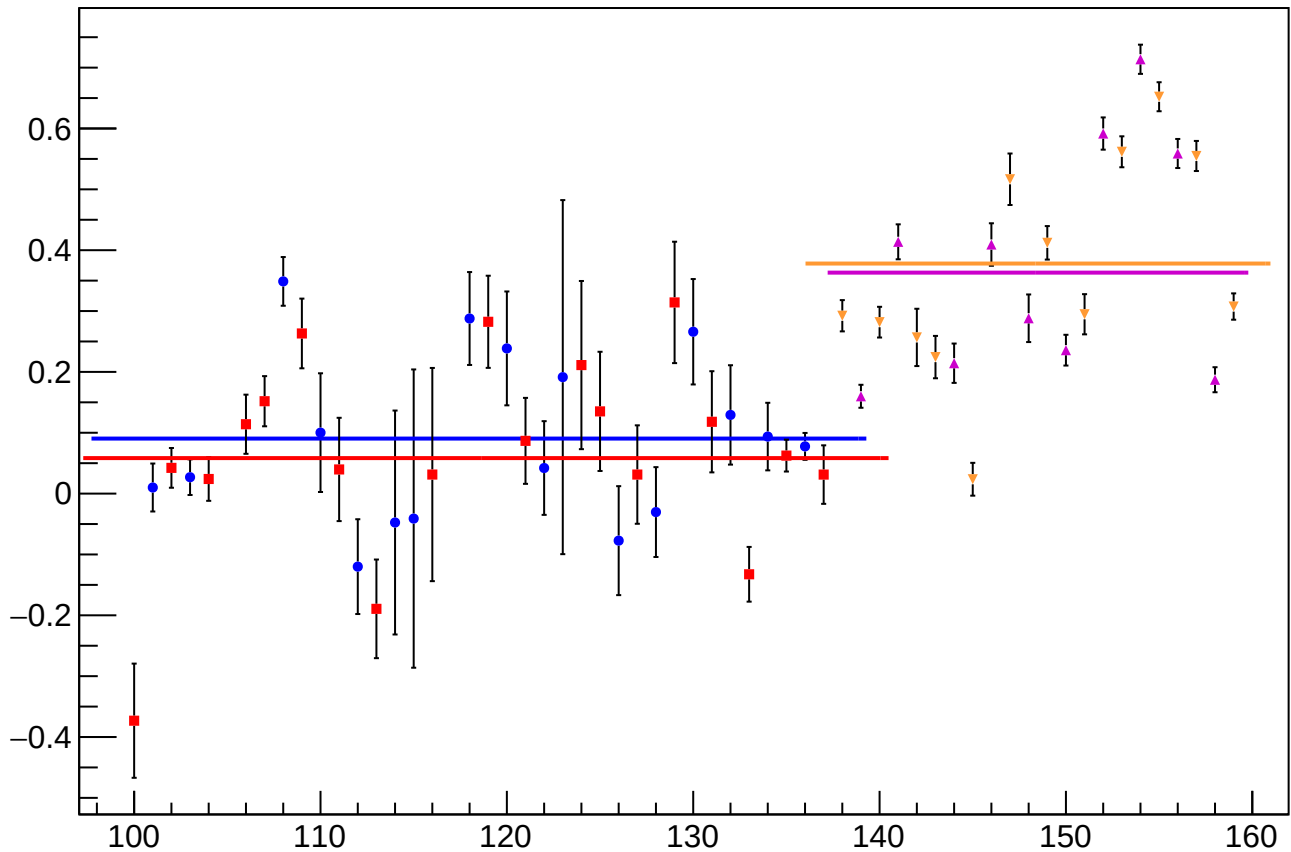
Right: -32.652 ± 0.176 $\chi^2/\text{NDF}: 10705.2/35$

In: -34.570 ± 0.150 $\chi^2/\text{NDF}: 5380.0/26$

Out: -34.934 ± 0.143 $\chi^2/\text{NDF}: 6709.5/30$

All: -34.761 ± 0.103 $\chi^2/\text{NDF}: 12092.7/57$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 $\chi^2/\text{NDF}: 79.2/16$

Left Out: 0.378 ± 0.008 $\chi^2/\text{NDF}: 489.4/11$

Right Out: 0.058 ± 0.012 $\chi^2/\text{NDF}: 87.3/18$

Left In: 0.363 ± 0.008 $\chi^2/\text{NDF}: 599.5/9$

Left: 0.371 ± 0.006 $\chi^2/\text{NDF}: 1090.6/21$

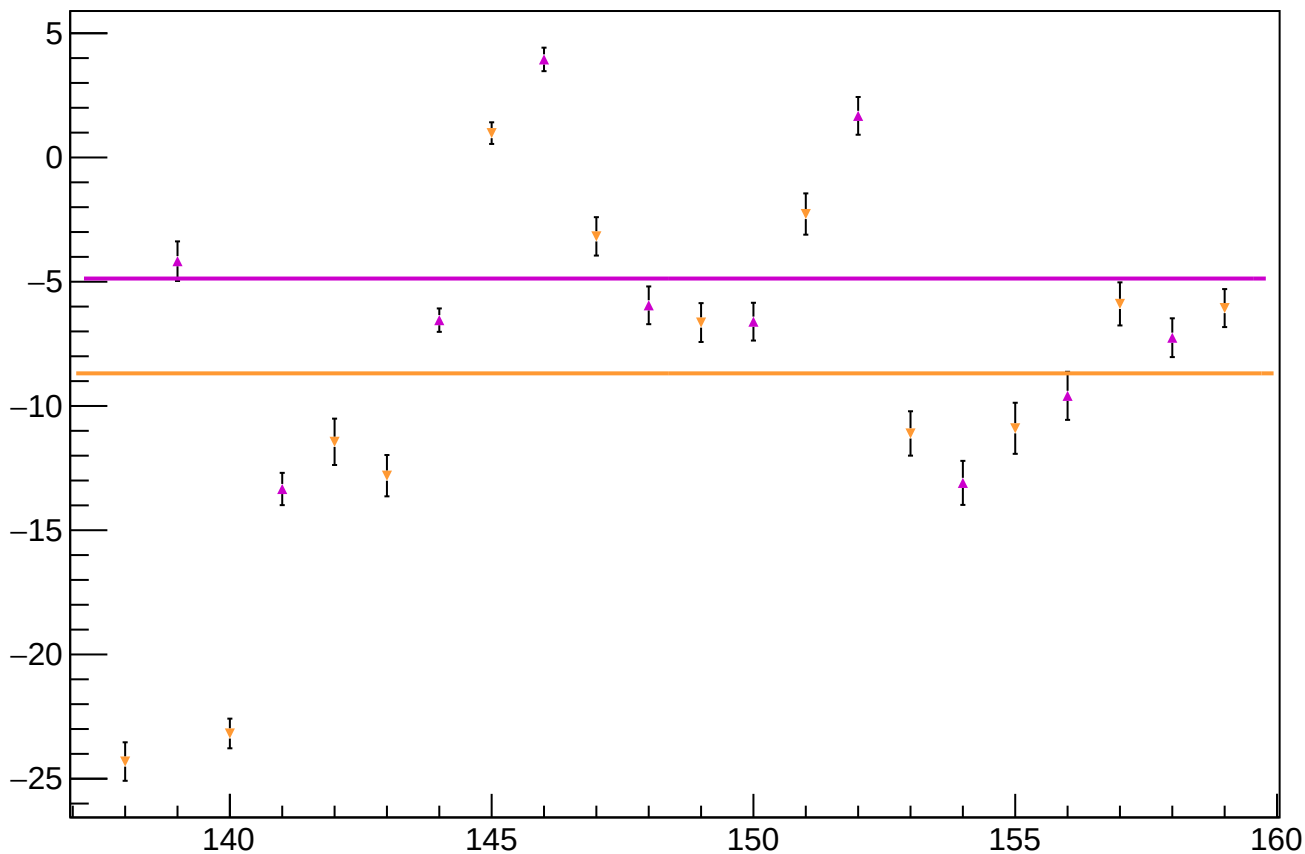
Right: 0.074 ± 0.009 $\chi^2/\text{NDF}: 169.9/35$

In: 0.285 ± 0.007 $\chi^2/\text{NDF}: 1006.1/26$

Out: 0.281 ± 0.007 $\chi^2/\text{NDF}: 1060.0/30$

All: 0.283 ± 0.005 $\chi^2/\text{NDF}: 2066.3/57$

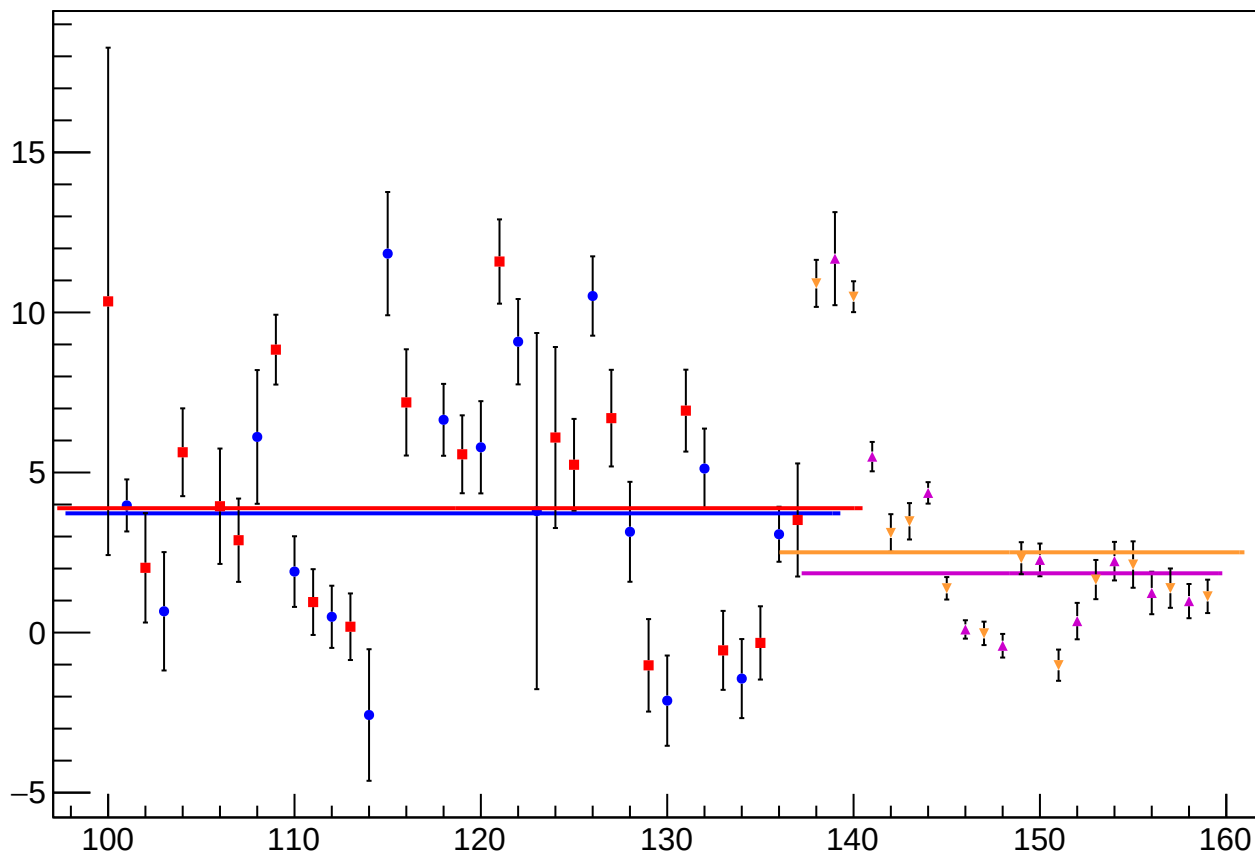
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.687+/-0.212 χ^2/NDF :1672.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.872+/-0.213 χ^2/NDF :732.5/9

Left: -6.789+/-0.150 χ^2/NDF : 2567.1/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -4.872+/-0.213 χ^2/NDF :732.5/9
 Out: -8.687+/-0.212 χ^2/NDF :1672.8/11
 All: -6.789+/-0.150 χ^2/NDF : 2567.1/21

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: 2.507 ± 0.146 $\chi^2/\text{NDF}: 531.7/11$

Right Out: 3.885 ± 0.316 $\chi^2/\text{NDF}: 134.4/18$

Left In: 1.852 ± 0.143 $\chi^2/\text{NDF}: 251.3/9$

Left: 2.172 ± 0.102 $\chi^2/\text{NDF}: 793.2/21$

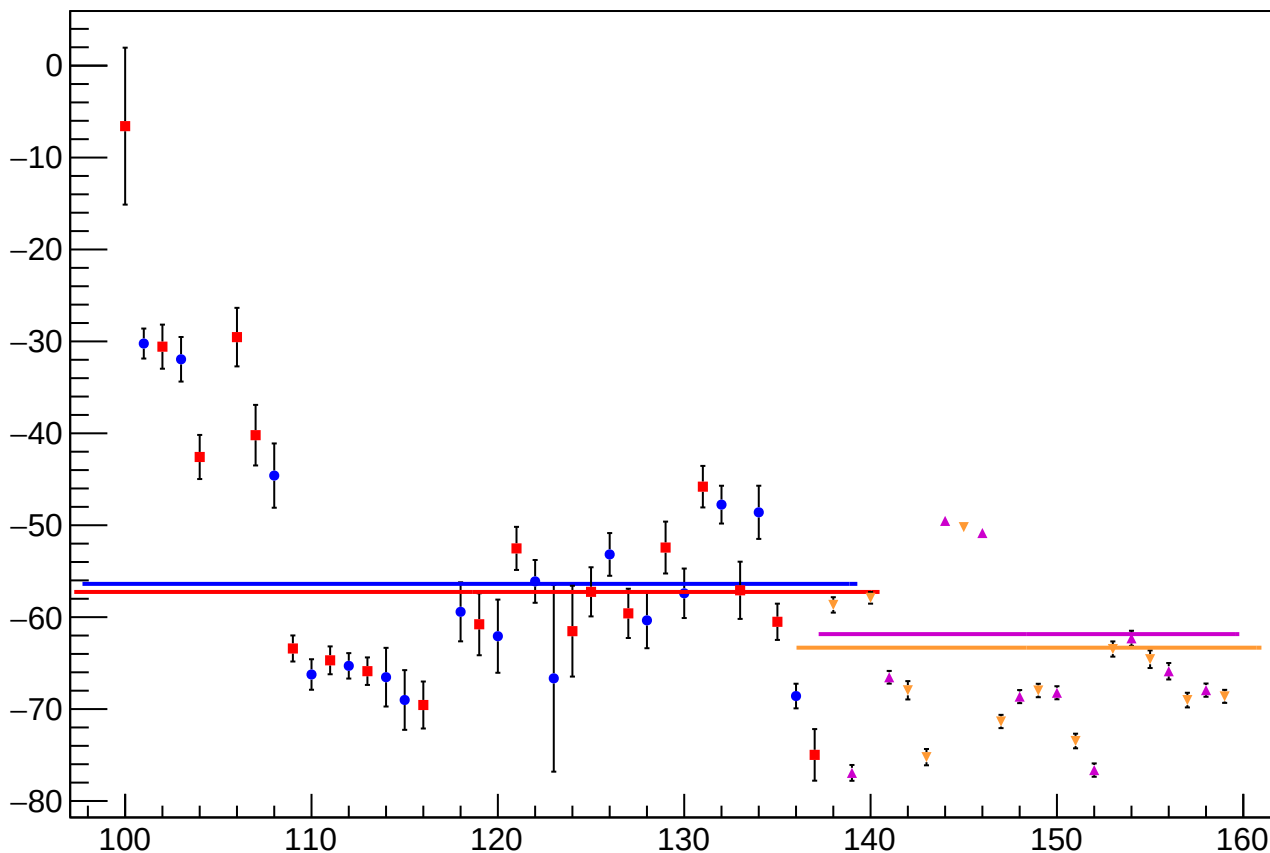
Right: 3.803 ± 0.221 $\chi^2/\text{NDF}: 271.3/35$

In: 2.182 ± 0.130 $\chi^2/\text{NDF}: 418.4/26$

Out: 2.750 ± 0.133 $\chi^2/\text{NDF}: 681.7/30$

All: 2.459 ± 0.093 $\chi^2/\text{NDF}: 1109.4/57$

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.379 ± 0.542 $\chi^2/\text{NDF}: 587.4/16$

Left Out: -63.321 ± 0.212 $\chi^2/\text{NDF}: 1540.4/11$

Right Out: -57.258 ± 0.536 $\chi^2/\text{NDF}: 476.1/18$

Left In: -61.844 ± 0.210 $\chi^2/\text{NDF}: 2214.4/9$

Left: -62.575 ± 0.149 $\chi^2/\text{NDF}: 3779.3/21$

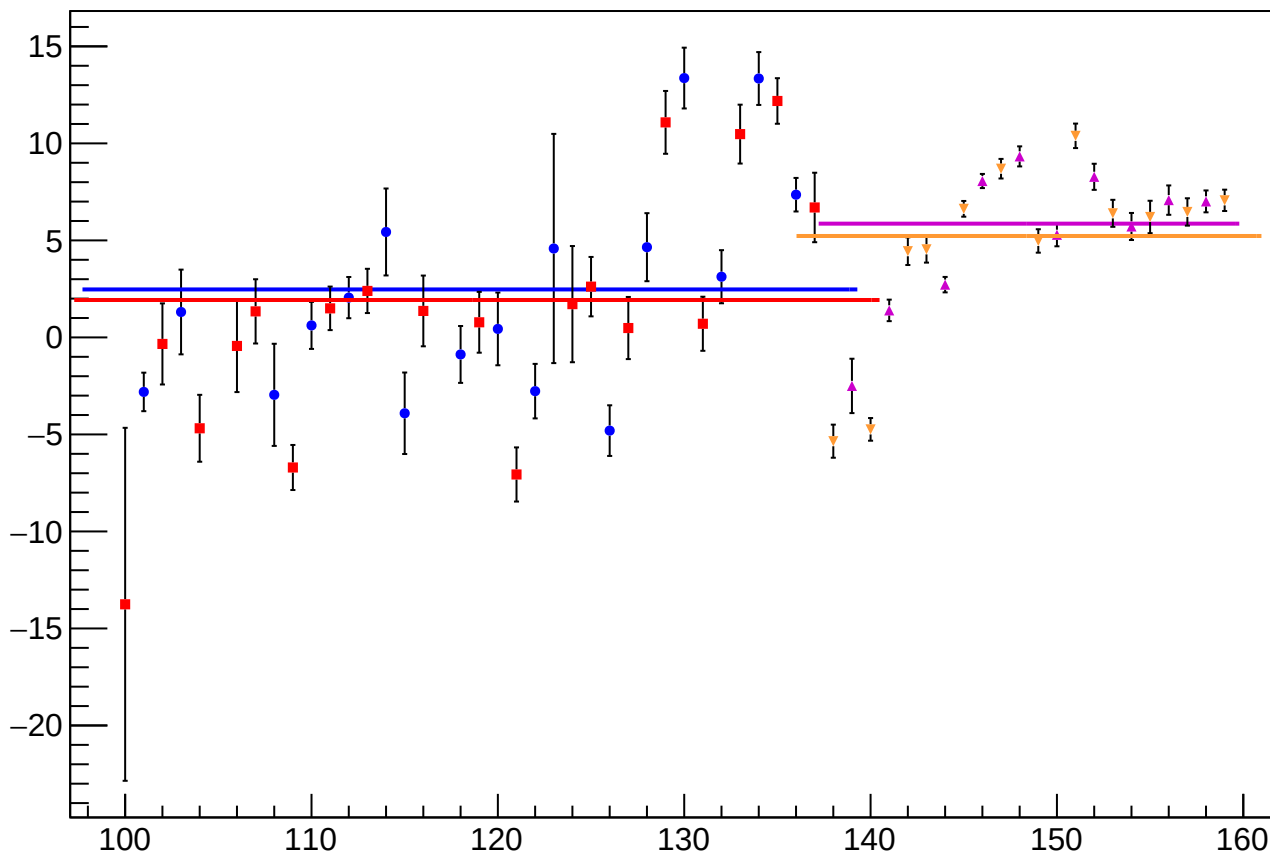
Right: -56.823 ± 0.381 $\chi^2/\text{NDF}: 1064.8/35$

In: -61.132 ± 0.196 $\chi^2/\text{NDF}: 2890.2/26$

Out: -62.501 ± 0.197 $\chi^2/\text{NDF}: 2127.2/30$

All: -61.812 ± 0.139 $\chi^2/\text{NDF}: 5041.7/57$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.473 $\pm$ 0.345 χ^2 /NDF: 243.6/16

Left Out: 5.227 $\pm$ 0.175 χ^2 /NDF: 591.6/11

Right Out: 1.928 $\pm$ 0.355 χ^2 /NDF: 266.6/18

Left In: 5.863 $\pm$ 0.173 χ^2 /NDF: 265.0/9

Left: 5.549 $\pm$ 0.123 χ^2 /NDF: 863.3/21

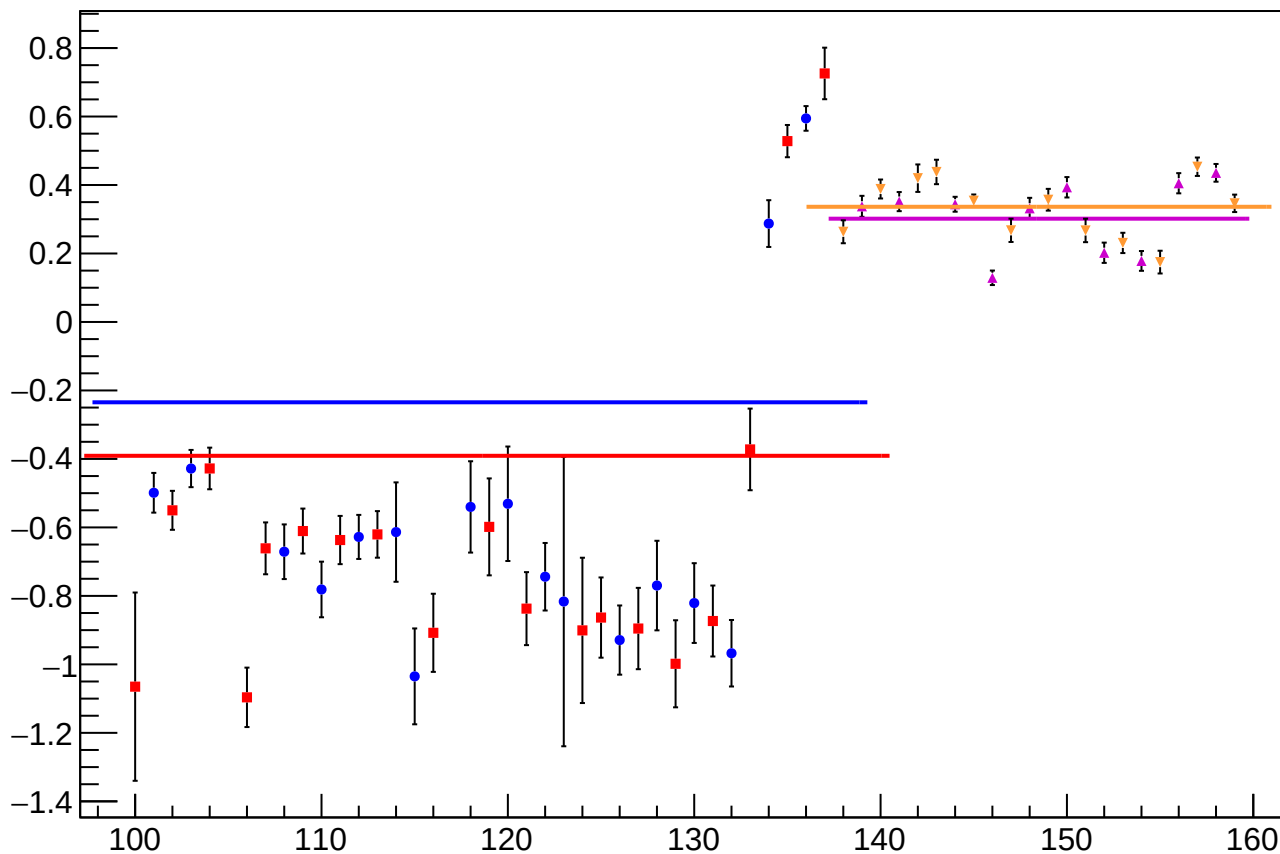
Right: 2.208 $\pm$ 0.248 χ^2 /NDF: 511.4/35

In: 5.182 $\pm$ 0.155 χ^2 /NDF: 585.6/26

Out: 4.579 $\pm$ 0.157 χ^2 /NDF: 927.7/30

All: 4.885 $\pm$ 0.110 χ^2 /NDF: 1520.7/57

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: 0.336 ± 0.008 χ^2/NDF : 85.7/11

Right Out: -0.391 ± 0.019 χ^2/NDF : 853.3/18

Left In: 0.302 ± 0.008 χ^2/NDF : 153.9/9

Left: 0.319 ± 0.006 χ^2/NDF : 248.1/21

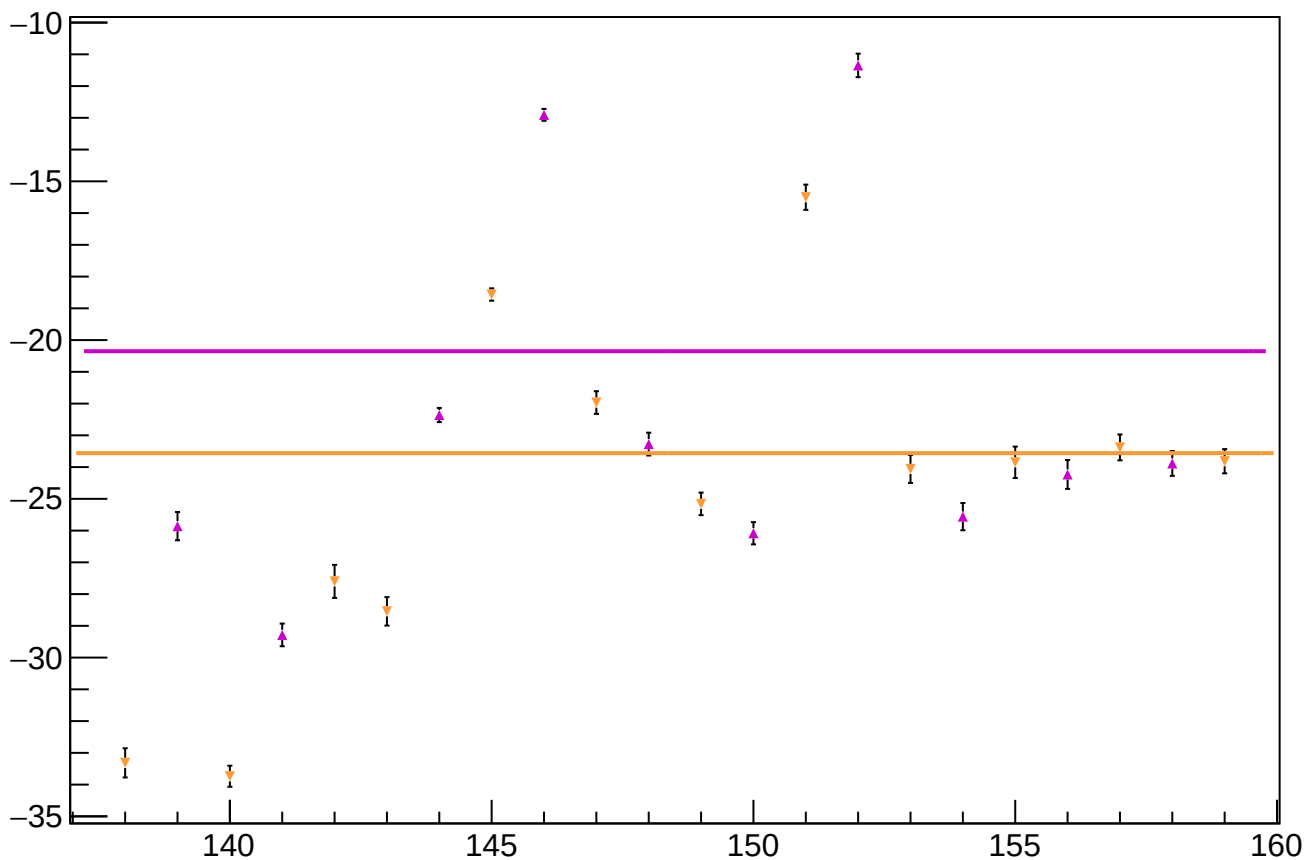
Right: -0.312 ± 0.013 χ^2/NDF : 1845.8/35

In: 0.211 ± 0.008 χ^2/NDF : 1783.7/26

Out: 0.218 ± 0.008 χ^2/NDF : 2171.1/30

All: 0.215 ± 0.005 χ^2/NDF : 3955.2/57

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected

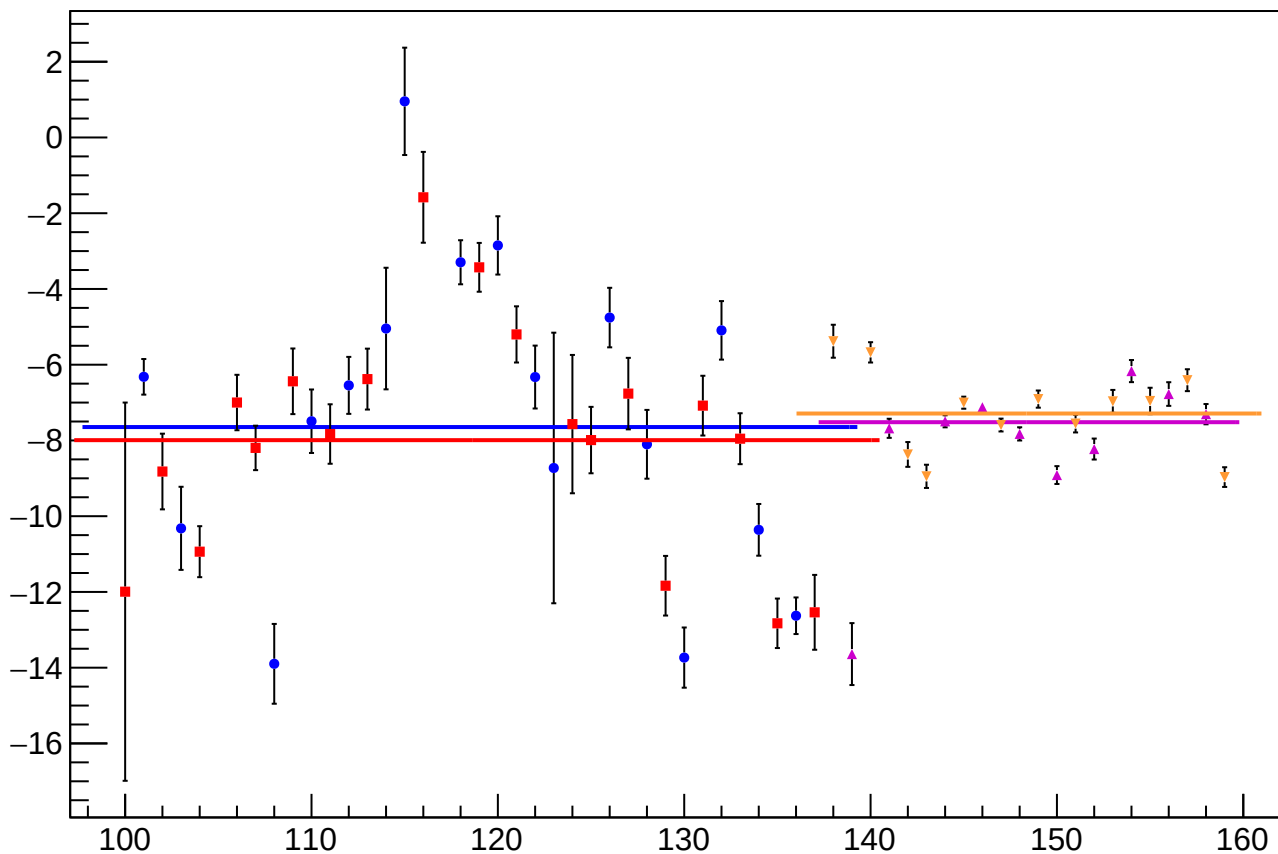


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -23.560+/-0.104 χ^2/NDF :2683.5/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -20.350+/-0.099 χ^2/NDF :3666.0/9

Left: -21.885+/-0.072 χ^2/NDF : 6849.4/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -20.350+/-0.099 χ^2/NDF :3666.0/9
 Out: -23.560+/-0.104 χ^2/NDF :2683.5/11

All: -21.885+/-0.072 χ^2/NDF : 6849.4/21

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: -7.289 ± 0.071 χ^2/NDF : 159.2/11

Right Out: -7.992 ± 0.186 χ^2/NDF : 225.5/18

Left In: -7.518 ± 0.066 χ^2/NDF : 140.4/9

Left: -7.412 ± 0.048 χ^2/NDF : 305.1/21

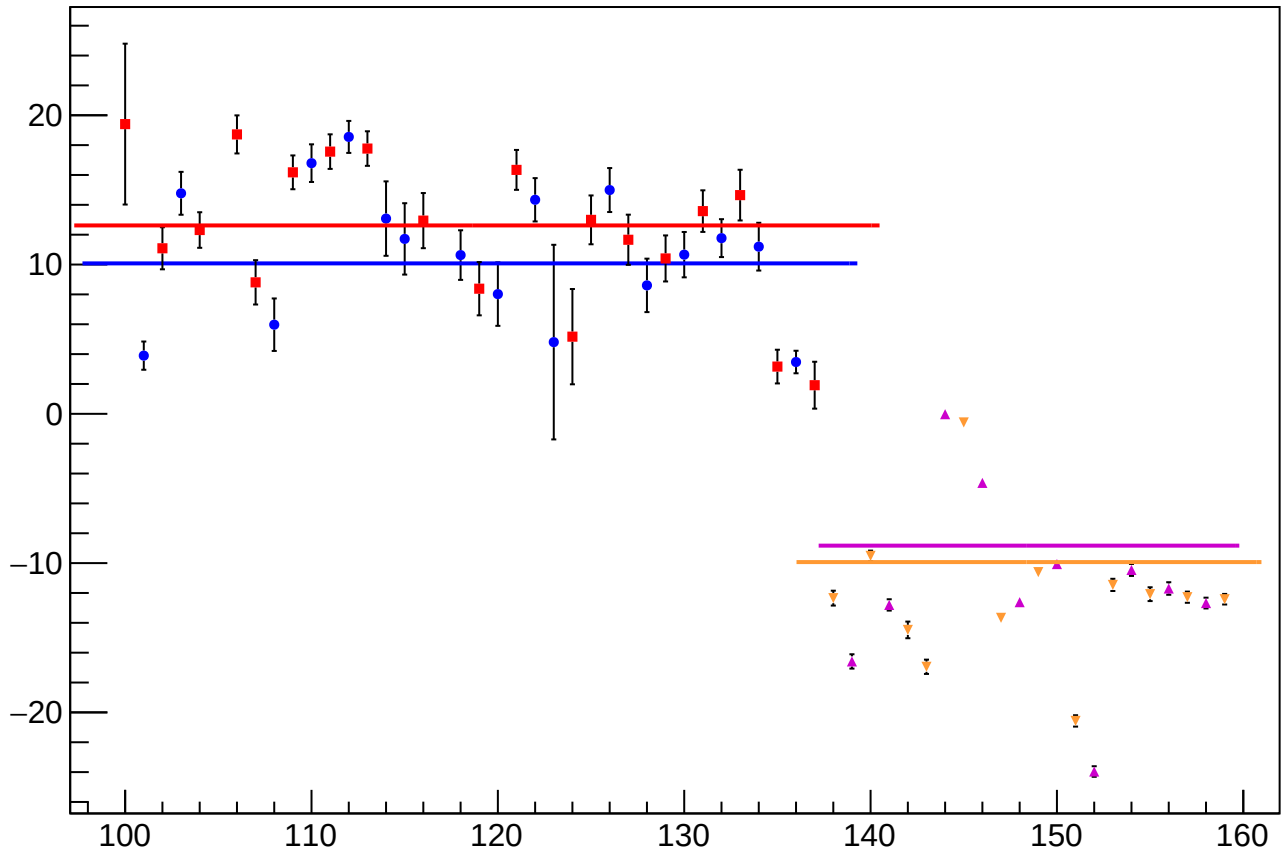
Right: -7.819 ± 0.131 χ^2/NDF : 620.8/35

In: -7.532 ± 0.062 χ^2/NDF : 534.5/26

Out: -7.379 ± 0.067 χ^2/NDF : 397.1/30

All: -7.461 ± 0.045 χ^2/NDF : 934.4/57

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: -9.931 ± 0.103 $\chi^2/\text{NDF}: 3401.9/11$

Right Out: 12.620 ± 0.332 $\chi^2/\text{NDF}: 220.0/18$

Left In: -8.830 ± 0.097 $\chi^2/\text{NDF}: 4410.3/9$

Left: -9.349 ± 0.071 $\chi^2/\text{NDF}: 7872.3/21$

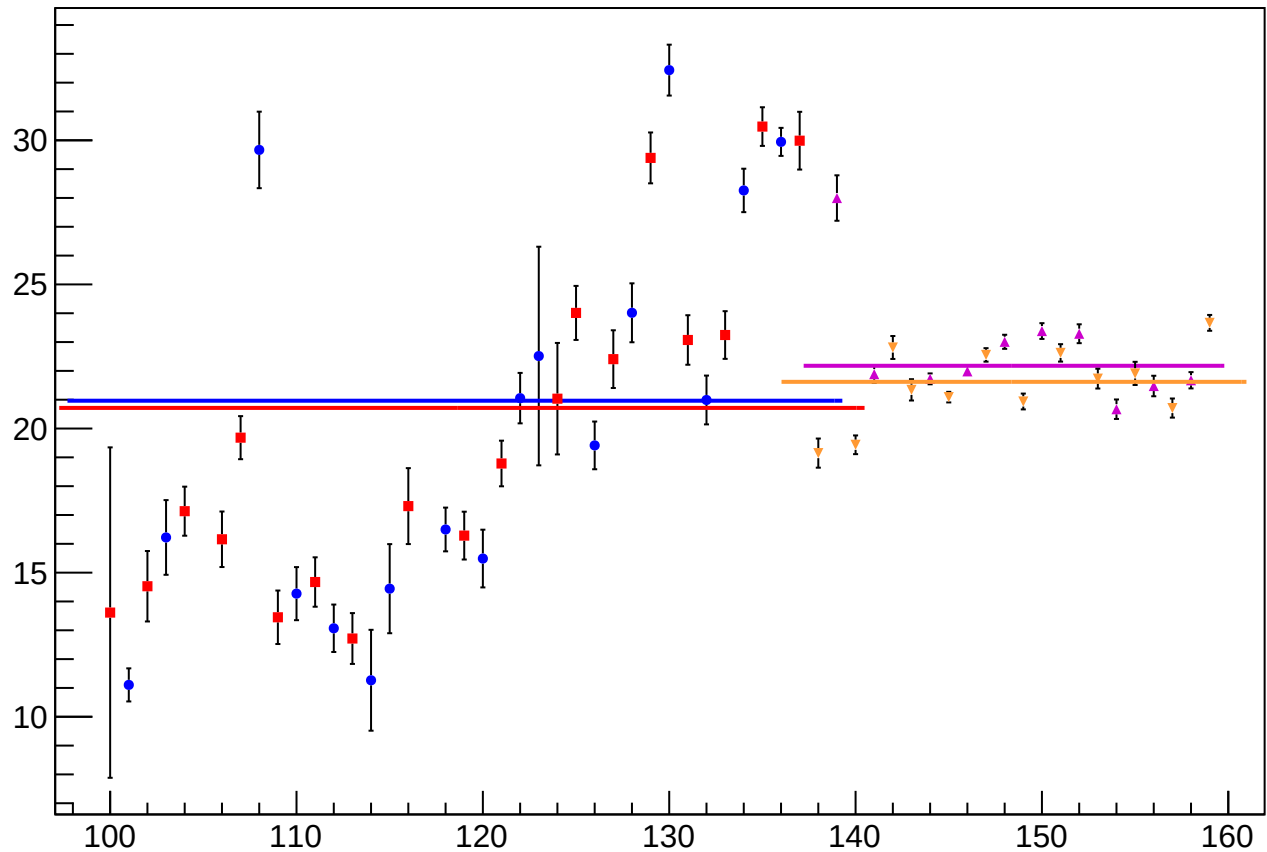
Right: 11.365 ± 0.237 $\chi^2/\text{NDF}: 501.6/35$

In: -7.368 ± 0.094 $\chi^2/\text{NDF}: 7571.3/26$

Out: -7.948 ± 0.099 $\chi^2/\text{NDF}: 7818.8/30$

All: -7.643 ± 0.068 $\chi^2/\text{NDF}: 15408.3/57$

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: 21.620 $\pm$ 0.086 χ^2 /NDF:184.0/11

Right Out: 20.716 $\pm$ 0.213 χ^2 /NDF: 729.9/18

Left In: 22.177 $\pm$ 0.080 χ^2 /NDF:132.4/9

Left: 21.917 $\pm$ 0.059 χ^2 /NDF: 338.8/21

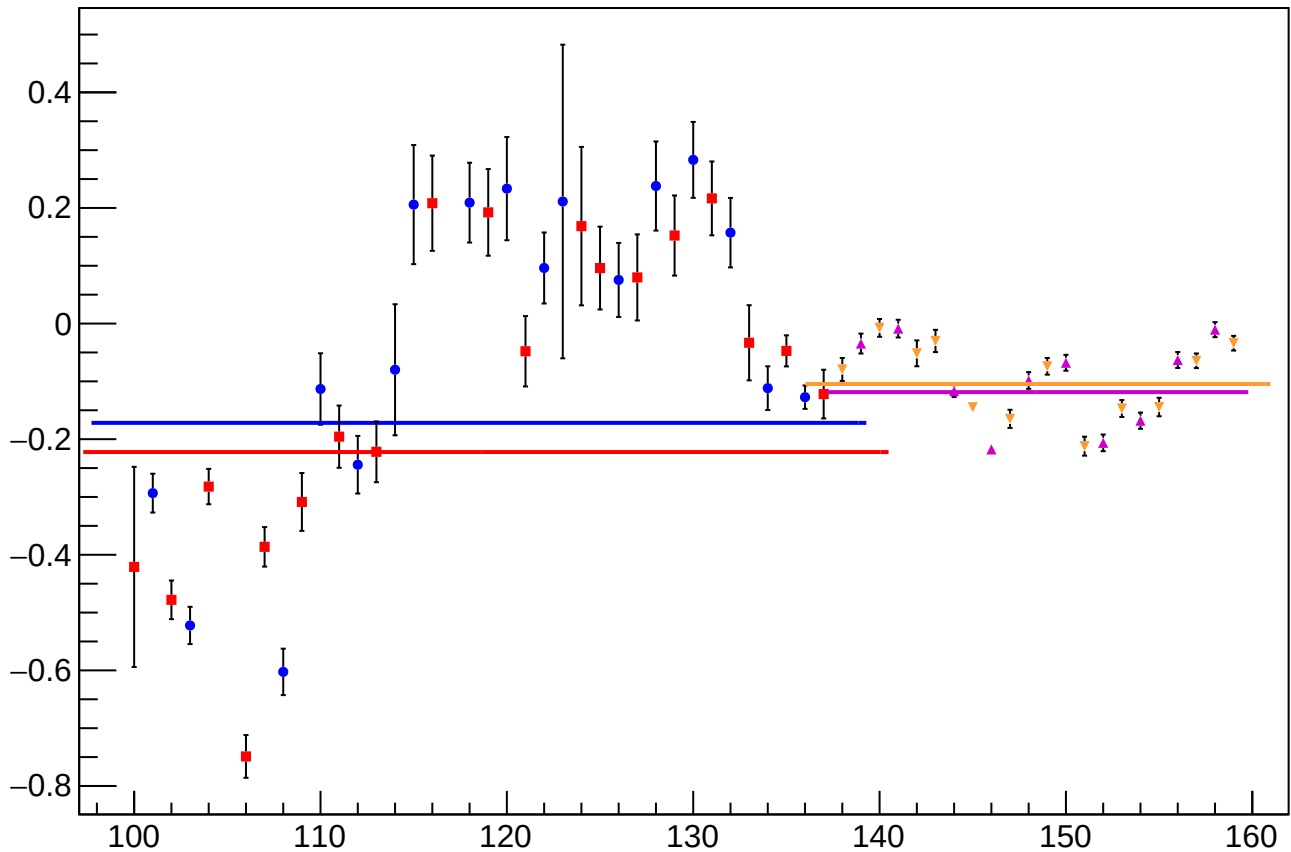
Right: 20.842 $\pm$ 0.149 χ^2 /NDF: 1956.1/35

In: 22.022 $\pm$ 0.075 χ^2 /NDF:1387.0/26

Out: 21.494 $\pm$ 0.079 χ^2 /NDF:929.4/30

All: 21.773 $\pm$ 0.055 χ^2 /NDF: 2339.8/57

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: -0.105 ± 0.004 χ^2/NDF : 204.5/11

Right Out: -0.222 ± 0.011 χ^2/NDF : 536.1/18

Left In: -0.119 ± 0.004 χ^2/NDF : 363.4/9

Left: -0.112 ± 0.003 χ^2/NDF : 574.0/21

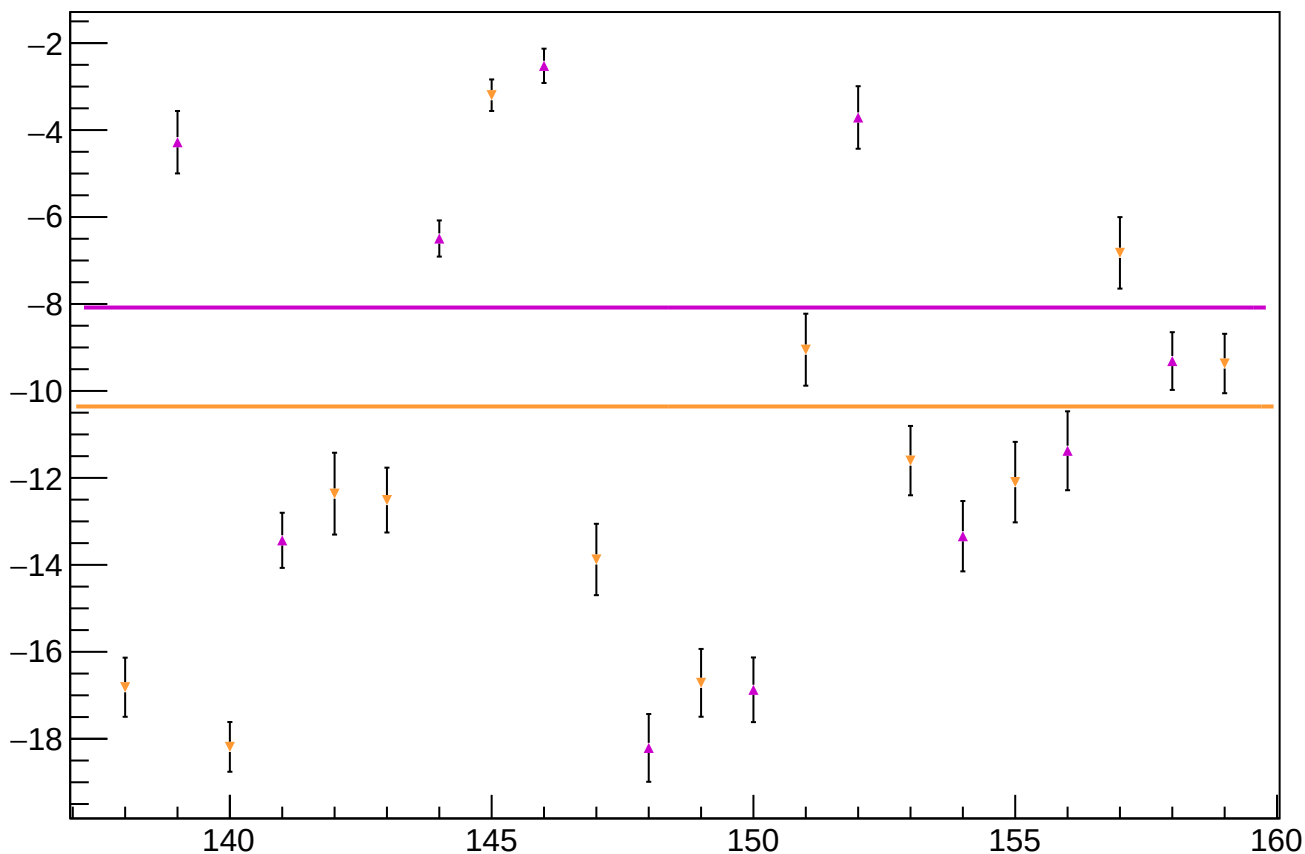
Right: -0.198 ± 0.008 χ^2/NDF : 1010.7/35

In: -0.125 ± 0.004 χ^2/NDF : 847.7/26

Out: -0.119 ± 0.004 χ^2/NDF : 842.2/30

All: -0.122 ± 0.003 χ^2/NDF : 1691.1/57

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: -10.358+/-0.194 χ^2/NDF : 793.8/11

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

Left In: -8.082+/-0.192 χ^2/NDF : 717.0/9

Left: -9.213+/-0.136 χ^2/NDF : 1580.4/21

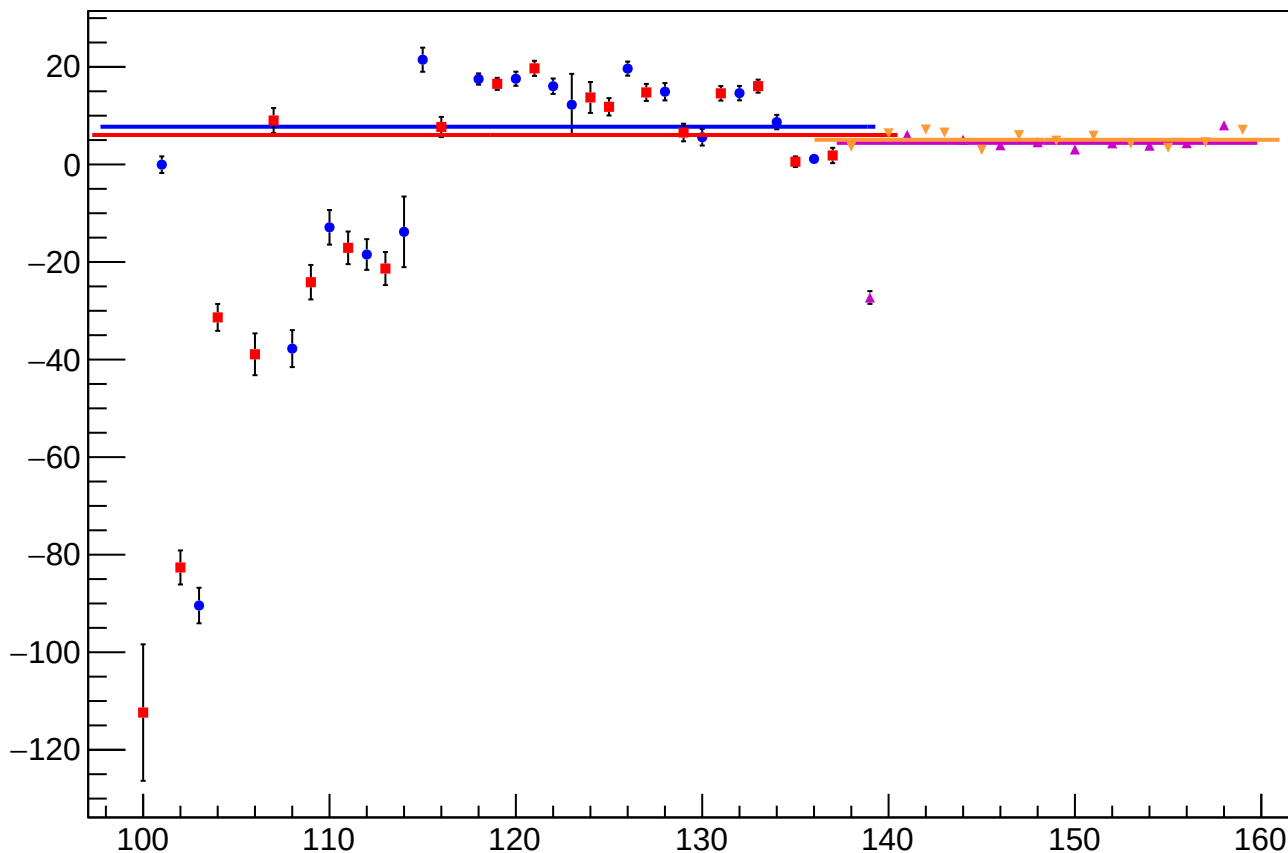
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.082+/-0.192 χ^2/NDF : 717.0/9

Out: -10.358+/-0.194 χ^2/NDF : 793.8/11

All: -9.213+/-0.136 χ^2/NDF : 1580.4/21

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.736 ± 0.403 χ^2/NDF : 1358.4/16

Left Out: 5.057 ± 0.136 χ^2/NDF : 122.7/11

Right Out: 6.040 ± 0.434 χ^2/NDF : 1512.1/18

Left In: 4.427 ± 0.131 χ^2/NDF : 681.4/9

Left: 4.731 ± 0.095 χ^2/NDF : 815.1/21

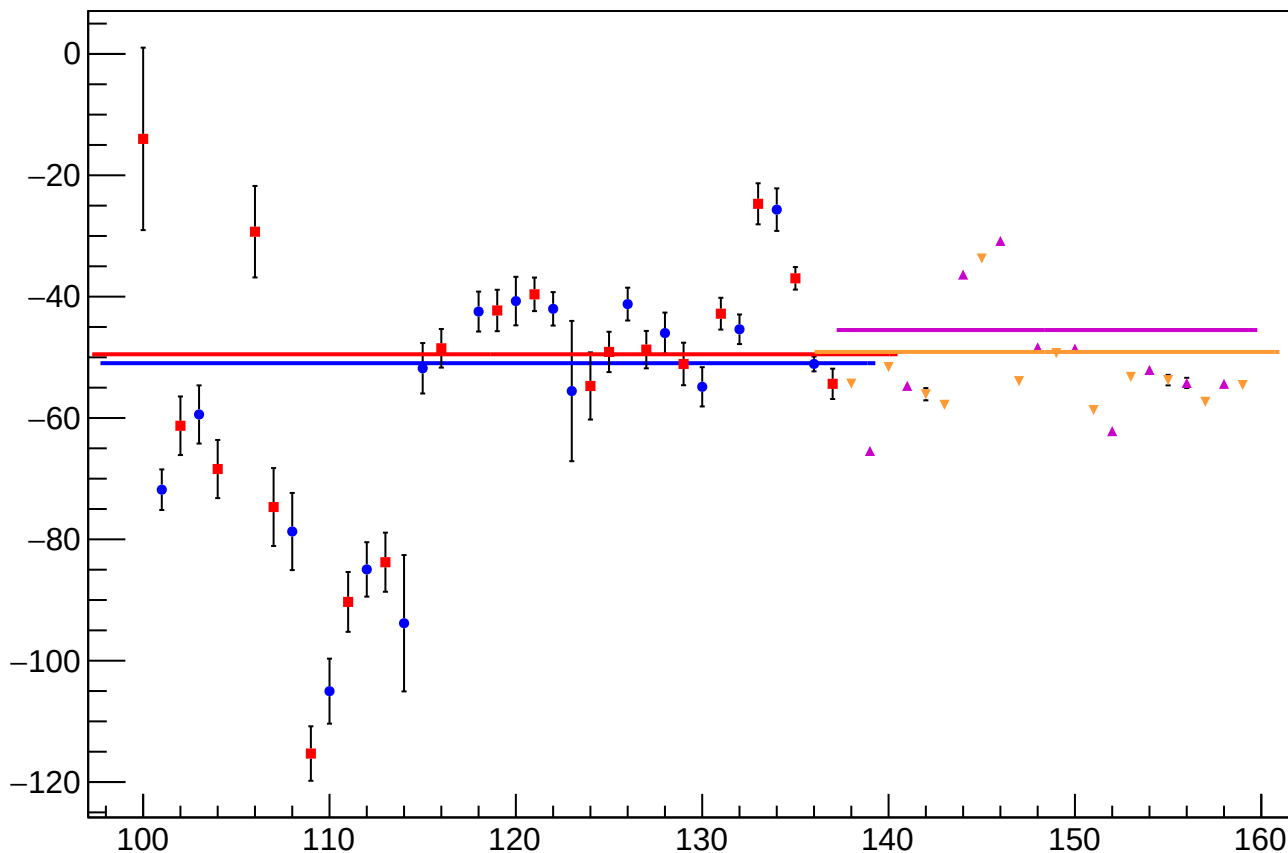
Right: 6.952 ± 0.295 χ^2/NDF : 2878.8/35

In: 4.746 ± 0.125 χ^2/NDF : 2100.9/26

Out: 5.145 ± 0.130 χ^2/NDF : 1639.5/30

All: 4.938 ± 0.090 χ^2/NDF : 3745.2/57

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: -49.112 ± 0.195 χ^2/NDF : 2250.8/11

Right Out: -49.497 ± 0.797 χ^2/NDF : 510.4/18

Left In: -45.503 ± 0.190 χ^2/NDF : 3773.1/9

Left: -47.262 ± 0.136 χ^2/NDF : 6199.8/21

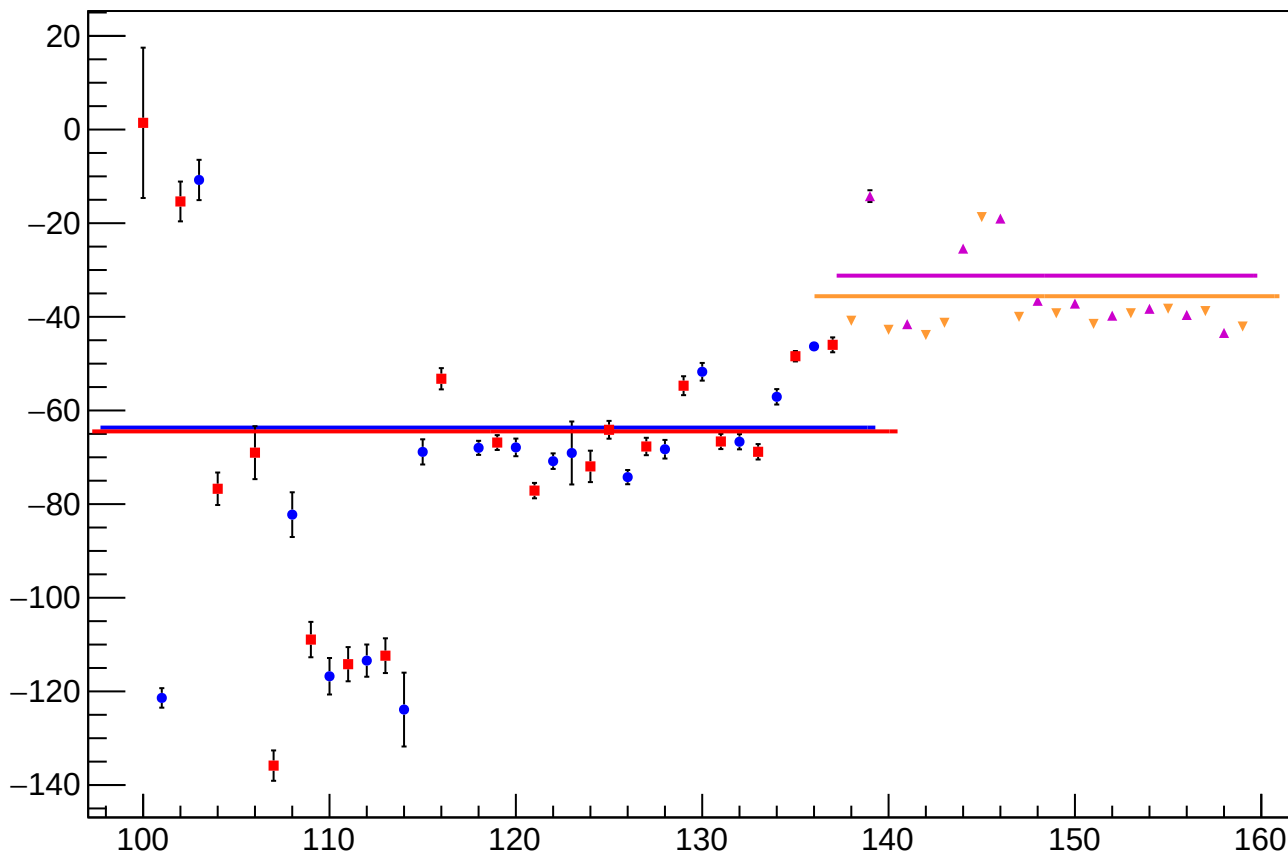
Right: -50.288 ± 0.541 χ^2/NDF : 844.9/35

In: -45.843 ± 0.184 χ^2/NDF : 4157.2/26

Out: -49.133 ± 0.189 χ^2/NDF : 2761.4/30

All: -47.441 ± 0.132 χ^2/NDF : 7074.0/57

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.656 $\pm$ 0.445 χ^2 /NDF: 2014.7/16

Left Out: -35.598 $\pm$ 0.162 χ^2 /NDF:3425.9/11

Right Out: -64.470 $\pm$ 0.483 χ^2 /NDF: 1606.8/18

Left In: -31.203 $\pm$ 0.158 χ^2 /NDF:3620.9/9

Left: -33.344 $\pm$ 0.113 χ^2 /NDF: 7423.1/21

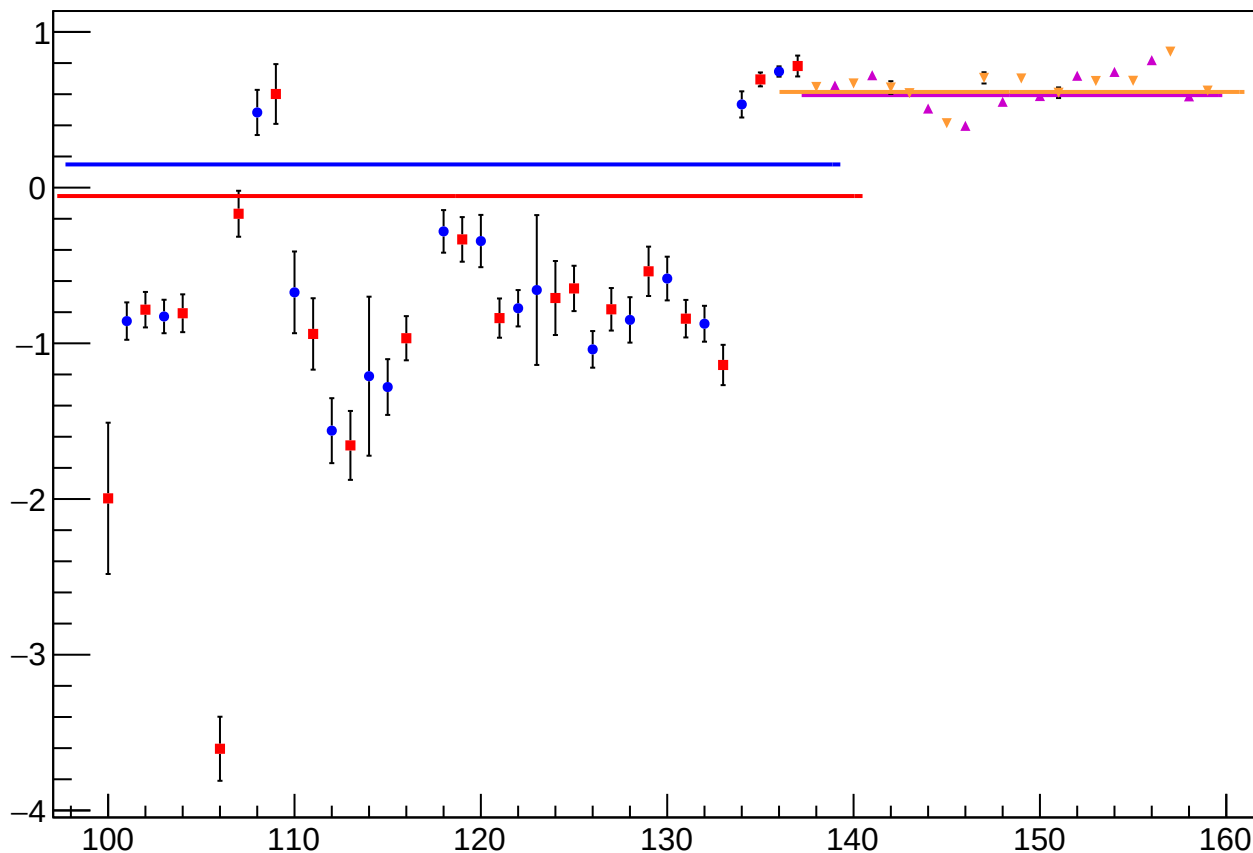
Right: -64.030 $\pm$ 0.327 χ^2 /NDF: 3623.1/35

In: -34.836 $\pm$ 0.149 χ^2 /NDF:10350.9/26

Out: -38.529 $\pm$ 0.154 χ^2 /NDF:8249.8/30

All: -36.625 $\pm$ 0.107 χ^2 /NDF: 18898.2/57

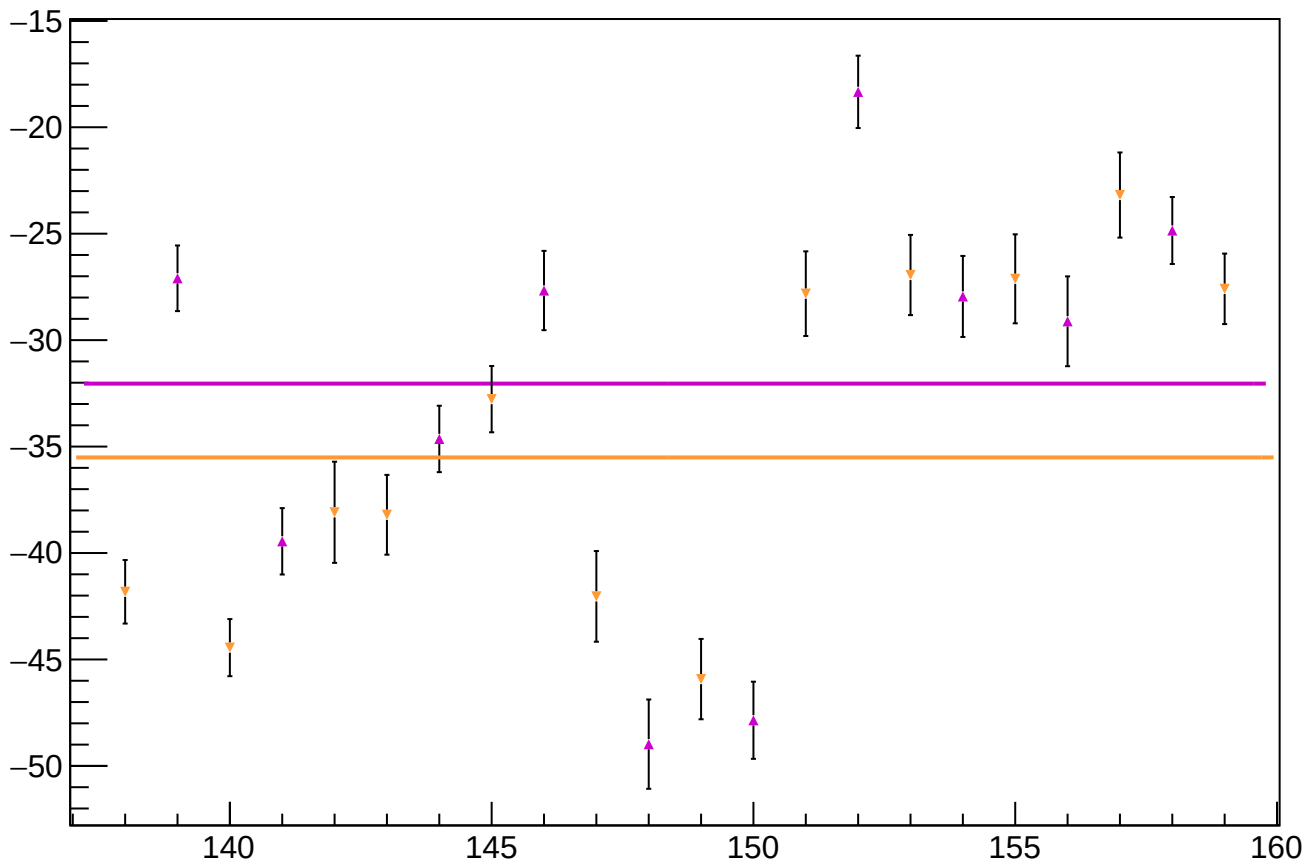
reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.149 ± 0.024 χ^2/NDF : 989.9/16
 Left Out: 0.615 ± 0.008 χ^2/NDF : 310.5/11
 Right Out: -0.054 ± 0.026 χ^2/NDF : 1167.9/18
 Left In: 0.594 ± 0.008 χ^2/NDF : 288.5/9

Left: 0.604 ± 0.005 χ^2/NDF : 602.5/21
 Right: 0.056 ± 0.018 χ^2/NDF : 2190.5/35
 In: 0.552 ± 0.007 χ^2/NDF : 1590.9/26
 Out: 0.562 ± 0.007 χ^2/NDF : 2078.6/30
 All: 0.557 ± 0.005 χ^2/NDF : 3670.4/57

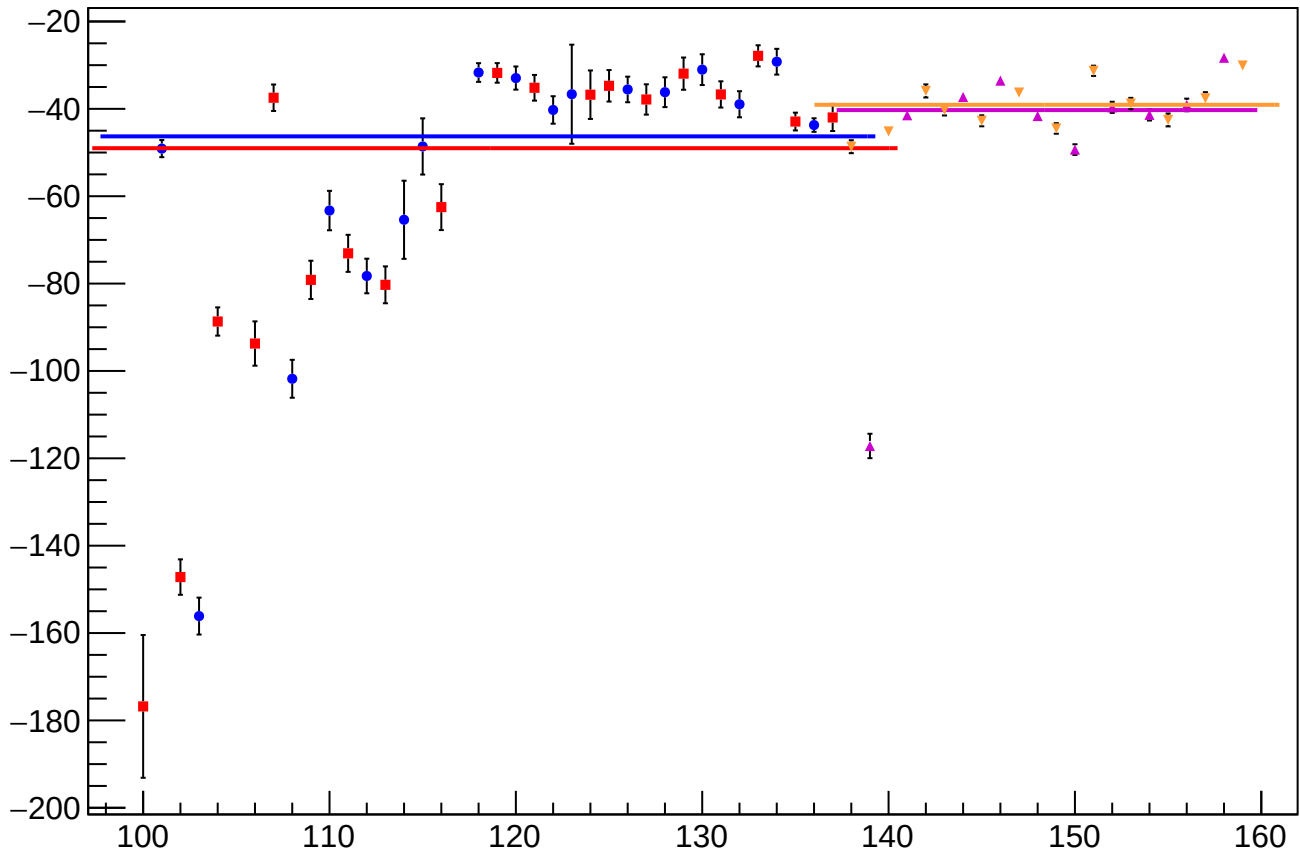
reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -35.510 $\pm$ 0.516 χ^2 /NDF:221.0/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -32.043 $\pm$ 0.549 χ^2 /NDF:275.1/9

Left: -33.885 $\pm$ 0.376 χ^2 /NDF: 517.3/21
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -32.043 $\pm$ 0.549 χ^2 /NDF:275.1/9
 Out: -35.510 $\pm$ 0.516 χ^2 /NDF:221.0/11
 All: -33.885 $\pm$ 0.376 χ^2 /NDF: 517.3/21

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: -39.073 ± 0.361 χ^2/NDF : 227.2/11

Right Out: -49.008 ± 0.764 χ^2/NDF : 1271.7/18

Left In: -40.284 ± 0.387 χ^2/NDF : 982.8/9

Left: -39.636 ± 0.264 χ^2/NDF : 1215.2/21

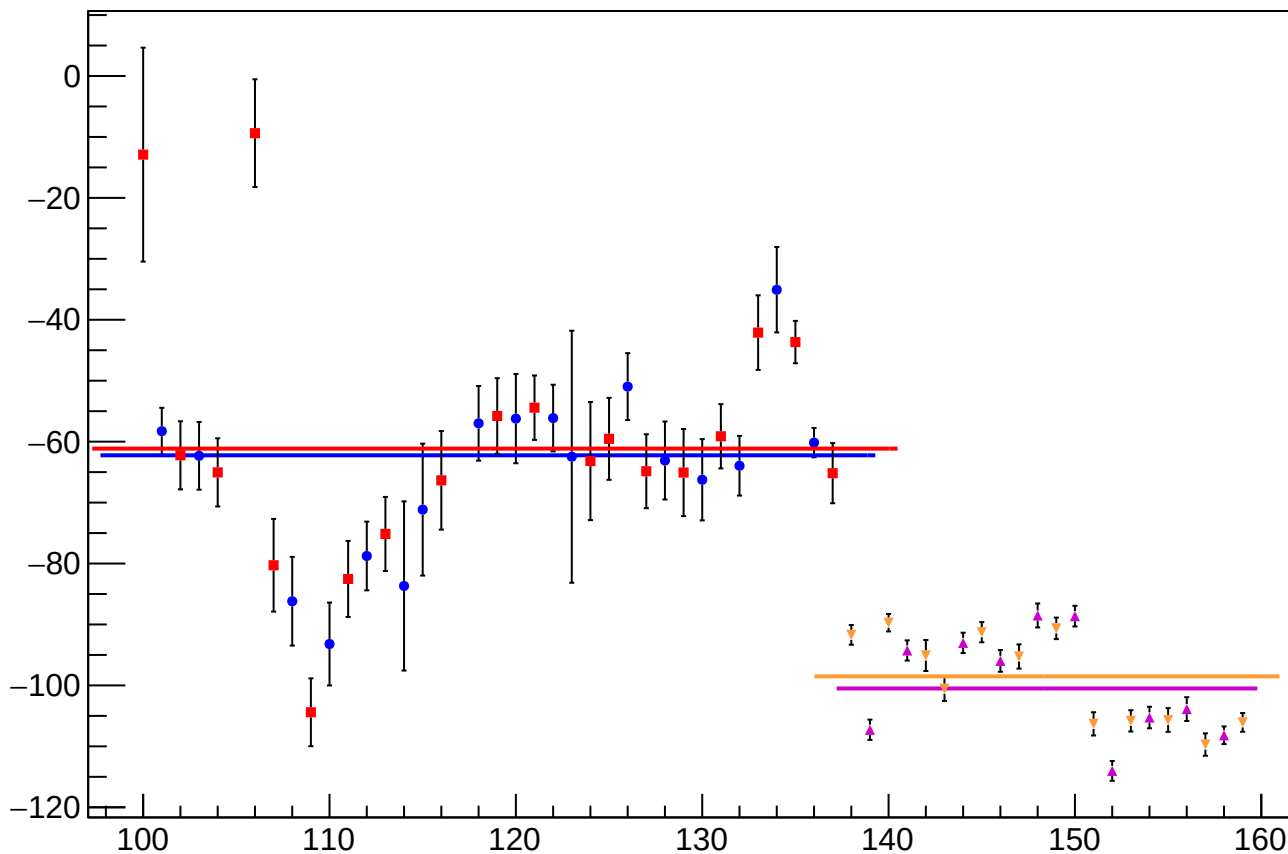
Right: -47.580 ± 0.525 χ^2/NDF : 2362.3/35

In: -41.625 ± 0.341 χ^2/NDF : 2120.7/26

Out: -40.888 ± 0.327 χ^2/NDF : 1637.1/30

All: -41.240 ± 0.236 χ^2/NDF : 3760.3/57

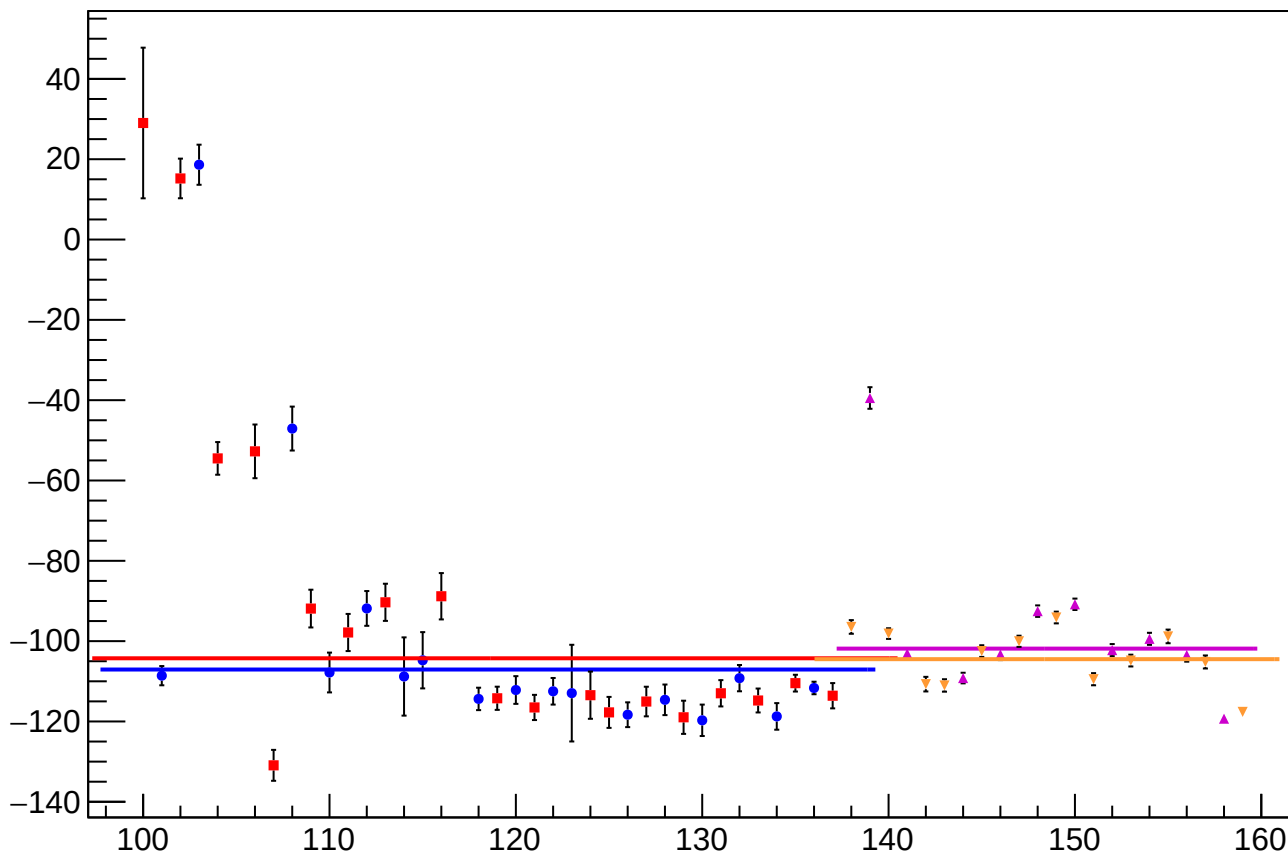
reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.242 ± 1.310 $\chi^2/\text{NDF}: 67.4/16$
 Left Out: -98.515 ± 0.513 $\chi^2/\text{NDF}: 209.3/11$
 Right Out: -61.142 ± 1.379 $\chi^2/\text{NDF}: 165.6/18$
 Left In: -100.499 ± 0.539 $\chi^2/\text{NDF}: 250.8/9$

Left: -99.457 ± 0.372 $\chi^2/\text{NDF}: 467.2/21$
 Right: -61.720 ± 0.950 $\chi^2/\text{NDF}: 233.3/35$
 In: -94.955 ± 0.499 $\chi^2/\text{NDF}: 1047.4/26$
 Out: -93.976 ± 0.481 $\chi^2/\text{NDF}: 1019.7/30$
 All: -94.448 ± 0.346 $\chi^2/\text{NDF}: 2069.1/57$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -107.066 ± 0.811 χ^2/NDF : 828.4/16

Left Out: -104.488 ± 0.430 χ^2/NDF : 280.3/11

Right Out: -104.269 ± 0.861 χ^2/NDF : 1018.6/18

Left In: -101.861 ± 0.458 χ^2/NDF : 912.3/9

Left: -103.258 ± 0.313 χ^2/NDF : 1210.2/21

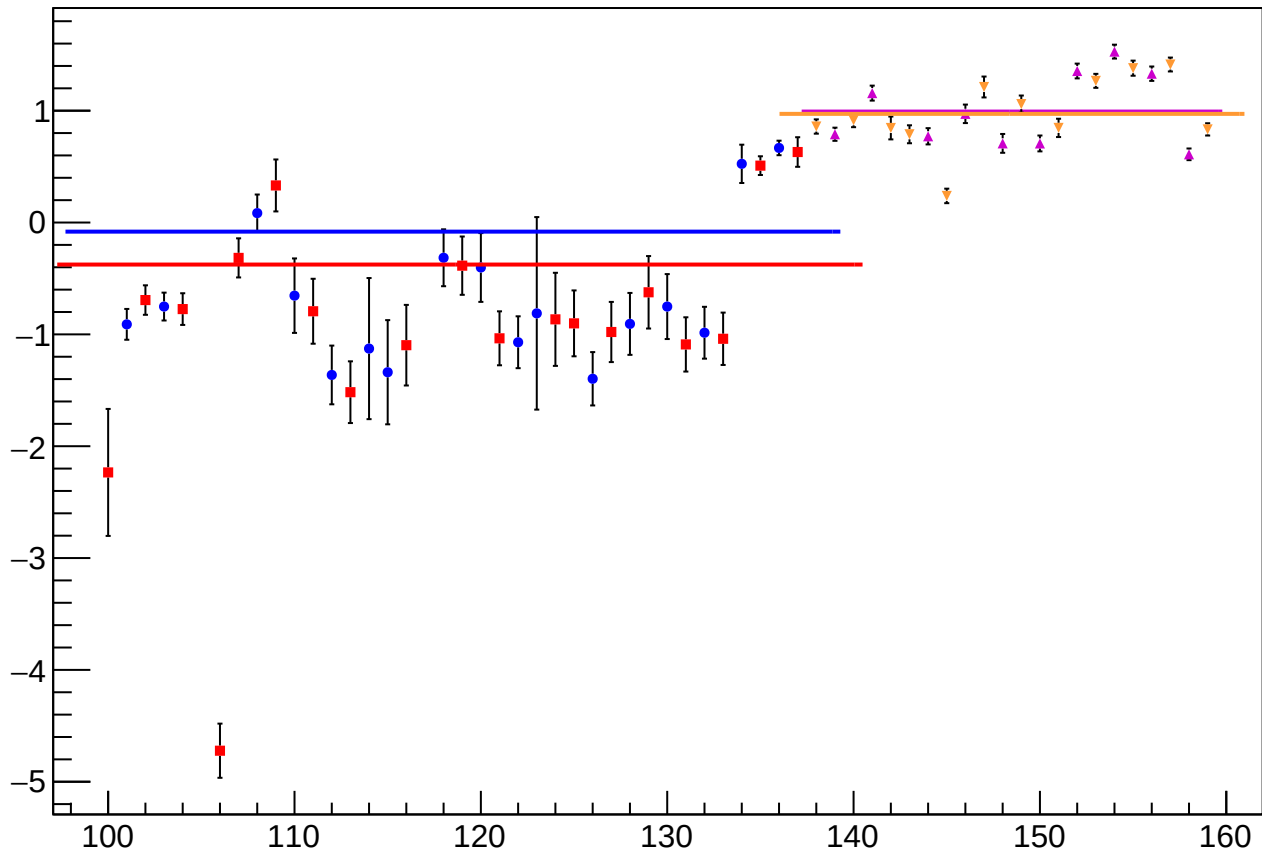
Right: -105.751 ± 0.590 χ^2/NDF : 1852.6/35

In: -103.119 ± 0.399 χ^2/NDF : 1771.9/26

Out: -104.444 ± 0.385 χ^2/NDF : 1299.0/30

All: -103.806 ± 0.277 χ^2/NDF : 3076.7/57

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: 0.972 ± 0.020 χ^2/NDF : 264.7/11

Right Out: -0.376 ± 0.044 χ^2/NDF : 583.0/18

Left In: 0.992 ± 0.021 χ^2/NDF : 240.8/9

Left: 0.981 ± 0.014 χ^2/NDF : 506.0/21

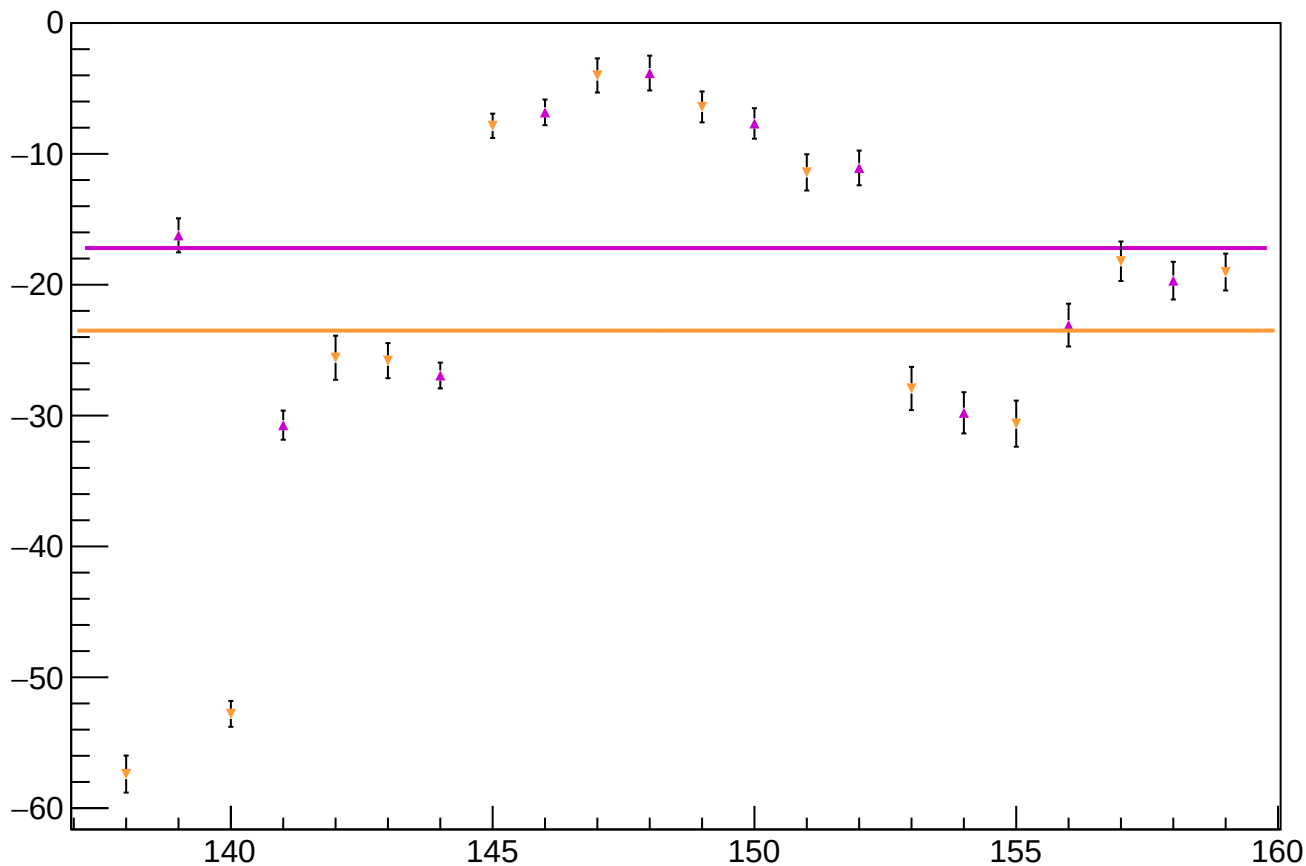
Right: -0.223 ± 0.030 χ^2/NDF : 935.4/35

In: 0.780 ± 0.019 χ^2/NDF : 1089.9/26

Out: 0.739 ± 0.018 χ^2/NDF : 1627.6/30

All: 0.759 ± 0.013 χ^2/NDF : 2720.0/57

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: -23.505+/-0.377 χ^2/NDF :2292.1/11

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

Left In: -17.196+/-0.389 χ^2/NDF :626.8/9

Left: -20.454+/-0.271 χ^2/NDF : 3054.5/21

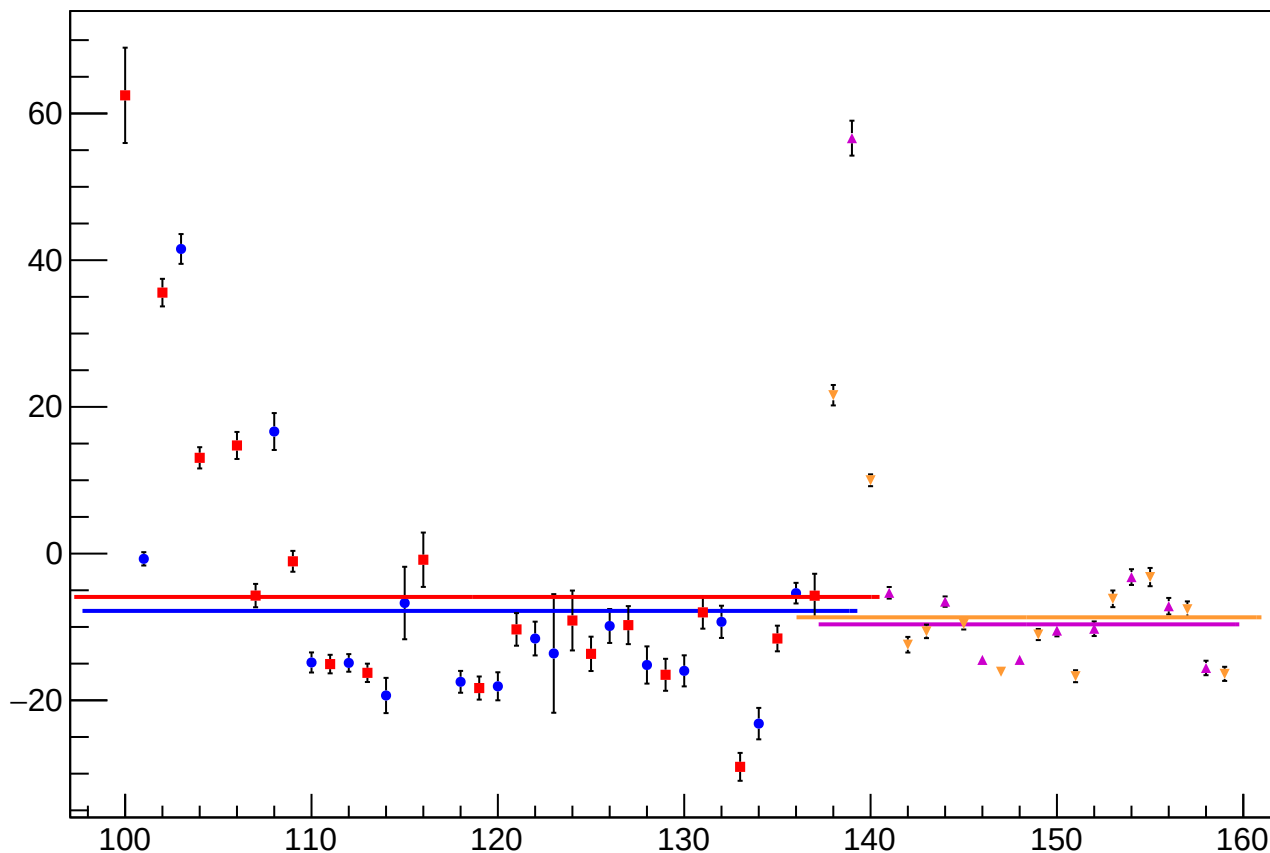
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.196+/-0.389 χ^2/NDF :626.8/9

Out: -23.505+/-0.377 χ^2/NDF :2292.1/11

All: -20.454+/-0.271 χ^2/NDF : 3054.5/21

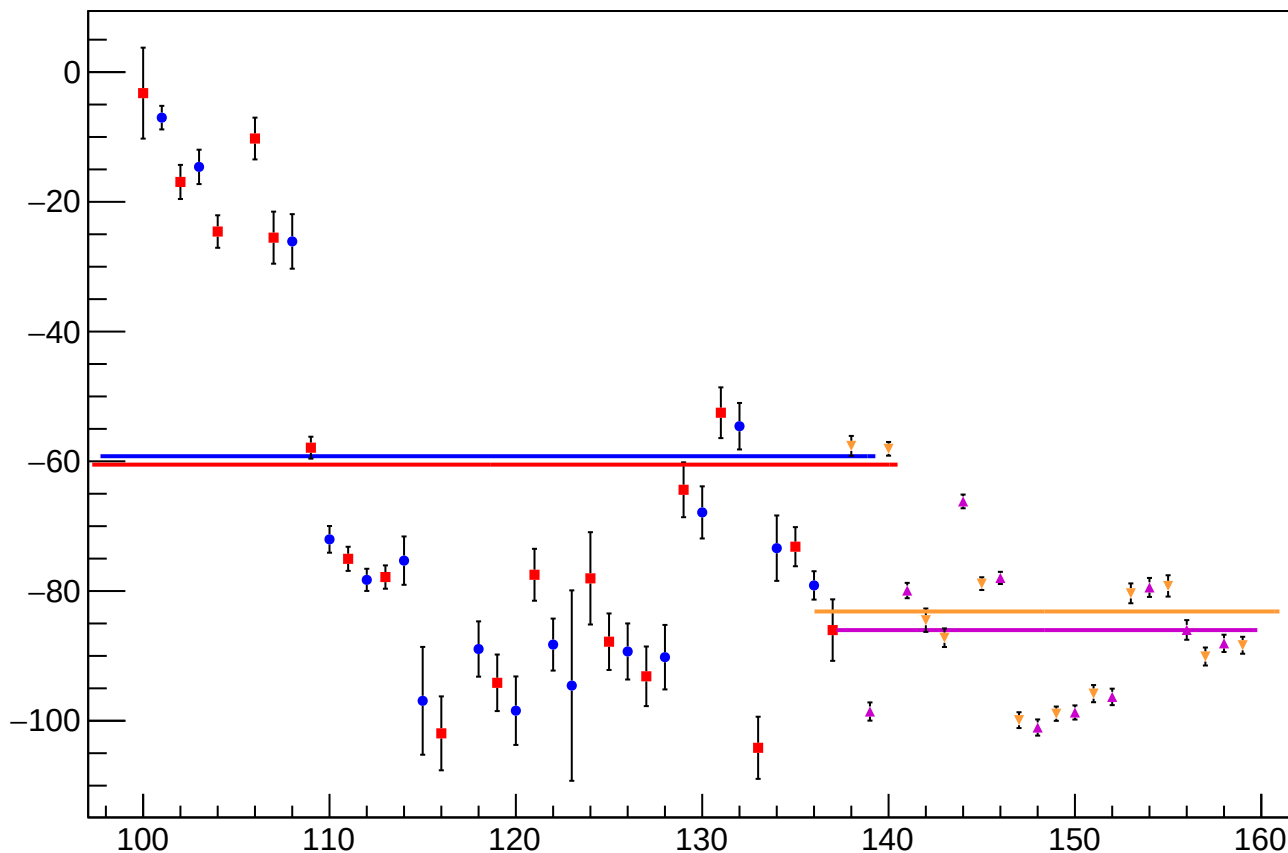
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.812 ± 0.427 χ^2/NDF : 982.8/16
 Left Out: -8.685 ± 0.258 χ^2/NDF : 1361.4/11
 Right Out: -5.908 ± 0.429 χ^2/NDF : 1293.1/18
 Left In: -9.646 ± 0.266 χ^2/NDF : 1020.3/9

Left: -9.150 ± 0.185 χ^2/NDF : 2388.4/21
 Right: -6.864 ± 0.303 χ^2/NDF : 2285.7/35
 In: -9.132 ± 0.226 χ^2/NDF : 2016.3/26
 Out: -7.947 ± 0.221 χ^2/NDF : 2685.2/30
 All: -8.527 ± 0.158 χ^2/NDF : 4715.6/57

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: -83.150 $\pm$ 0.375 χ^2/NDF : 1404.5/11

Right Out: -60.513 $\pm$ 0.704 χ^2/NDF : 1383.9/18

Left In: -86.020 $\pm$ 0.383 χ^2/NDF : 900.3/9

Left: -84.554 $\pm$ 0.268 χ^2/NDF : 2333.5/21

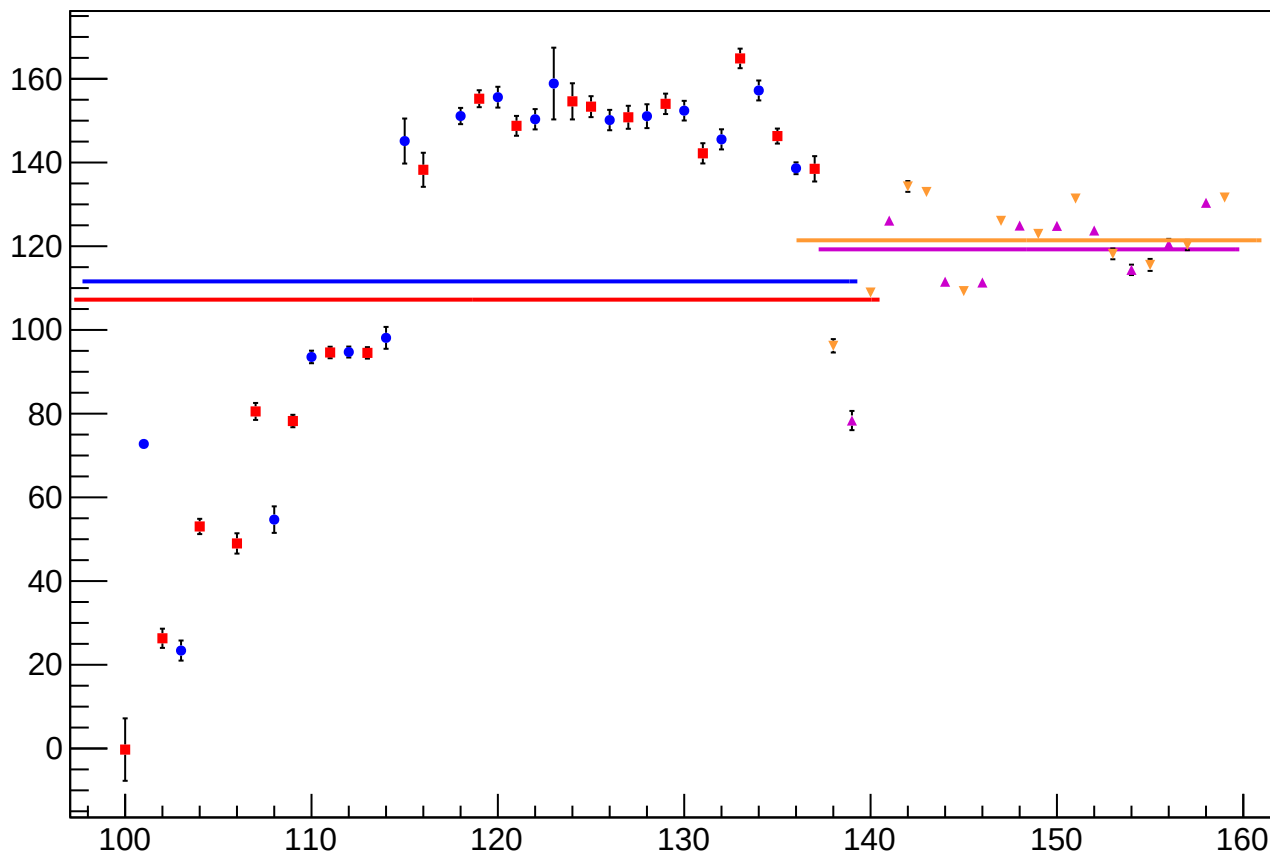
Right: -59.899 $\pm$ 0.511 χ^2/NDF : 3105.9/35

In: -80.403 $\pm$ 0.340 χ^2/NDF : 3647.5/26

Out: -78.153 $\pm$ 0.331 χ^2/NDF : 3593.7/30

All: -79.246 $\pm$ 0.237 χ^2/NDF : 7263.7/57

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.599 $\pm$ 0.487 χ^2 /NDF: 5959.5/16

Left Out: 121.414 $\pm$ 0.311 χ^2 /NDF:1058.4/11

Right Out: 107.238 $\pm$ 0.488 χ^2 /NDF: 7037.4/18

Left In: 119.252 $\pm$ 0.321 χ^2 /NDF:783.7/9

Left: 120.366 $\pm$ 0.223 χ^2 /NDF: 1865.6/21

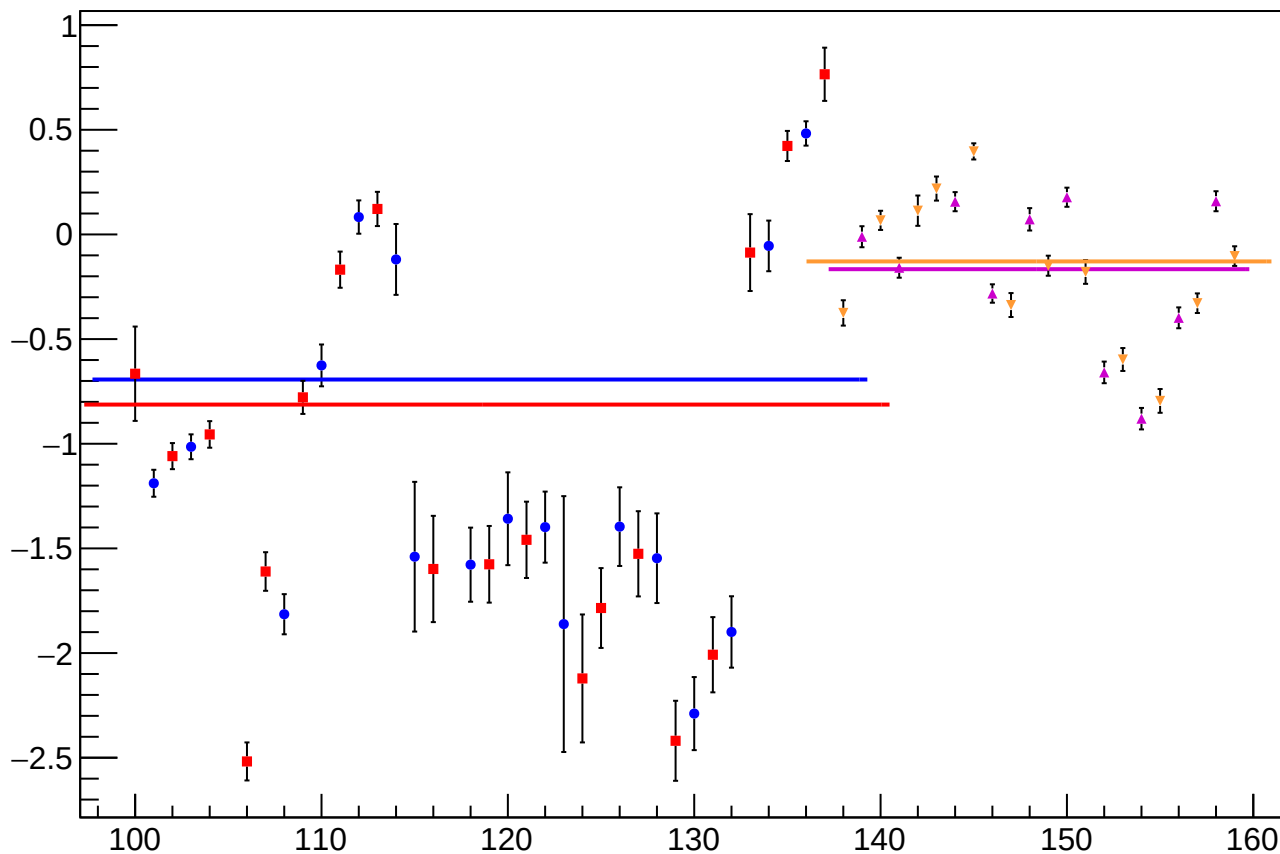
Right: 109.423 $\pm$ 0.344 χ^2 /NDF: 13037.0/35

In: 116.936 $\pm$ 0.268 χ^2 /NDF:6915.8/26

Out: 117.318 $\pm$ 0.262 χ^2 /NDF:8696.6/30

All: 117.131 $\pm$ 0.187 χ^2 /NDF: 15613.4/57

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.693 ± 0.026 χ^2/NDF : 993.1/16

Left Out: -0.129 ± 0.015 χ^2/NDF : 511.7/11

Right Out: -0.813 ± 0.024 χ^2/NDF : 1310.7/18

Left In: -0.166 ± 0.015 χ^2/NDF : 495.8/9

Left: -0.147 ± 0.011 χ^2/NDF : 1010.5/21

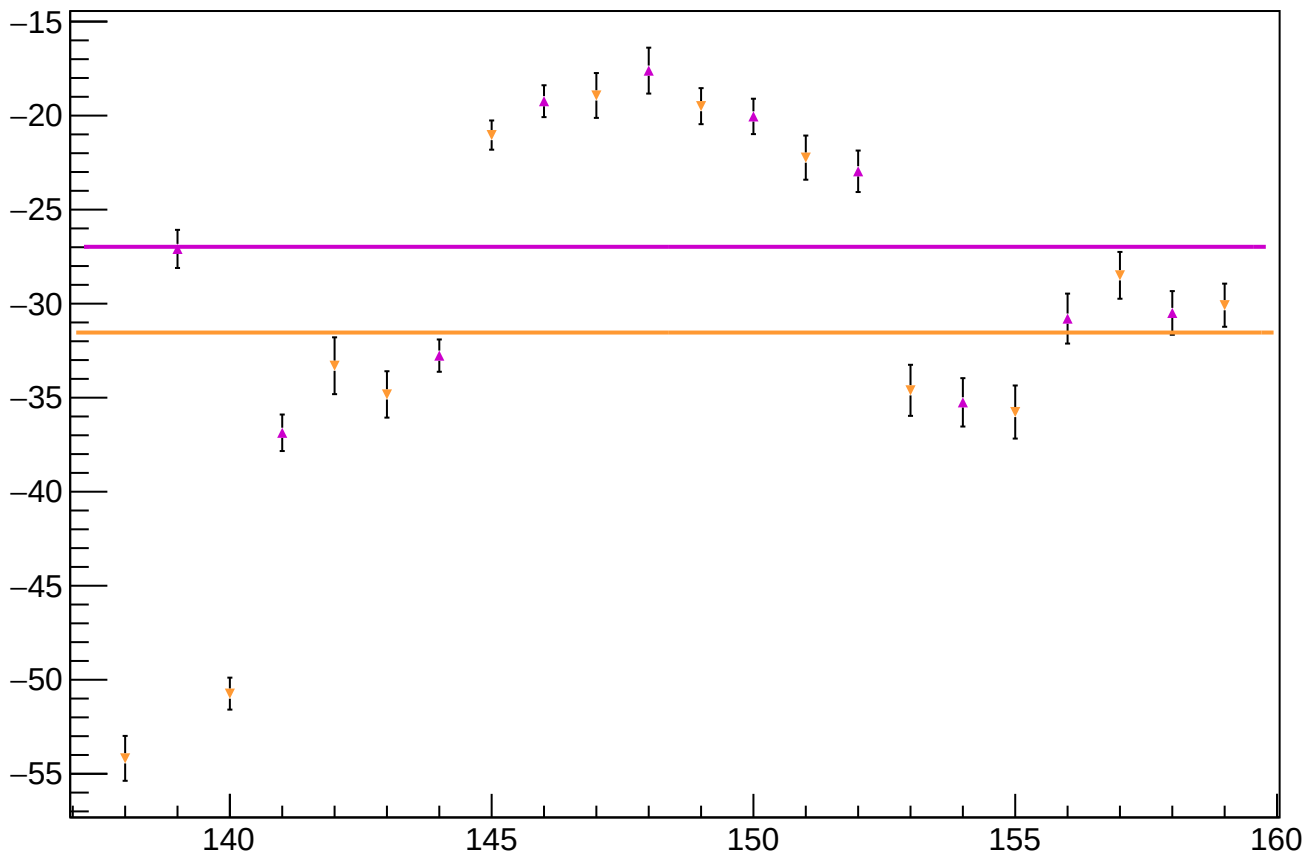
Right: -0.756 ± 0.018 χ^2/NDF : 2315.2/35

In: -0.304 ± 0.013 χ^2/NDF : 1797.8/26

Out: -0.315 ± 0.013 χ^2/NDF : 2397.2/30

All: -0.310 ± 0.009 χ^2/NDF : 4195.4/57

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



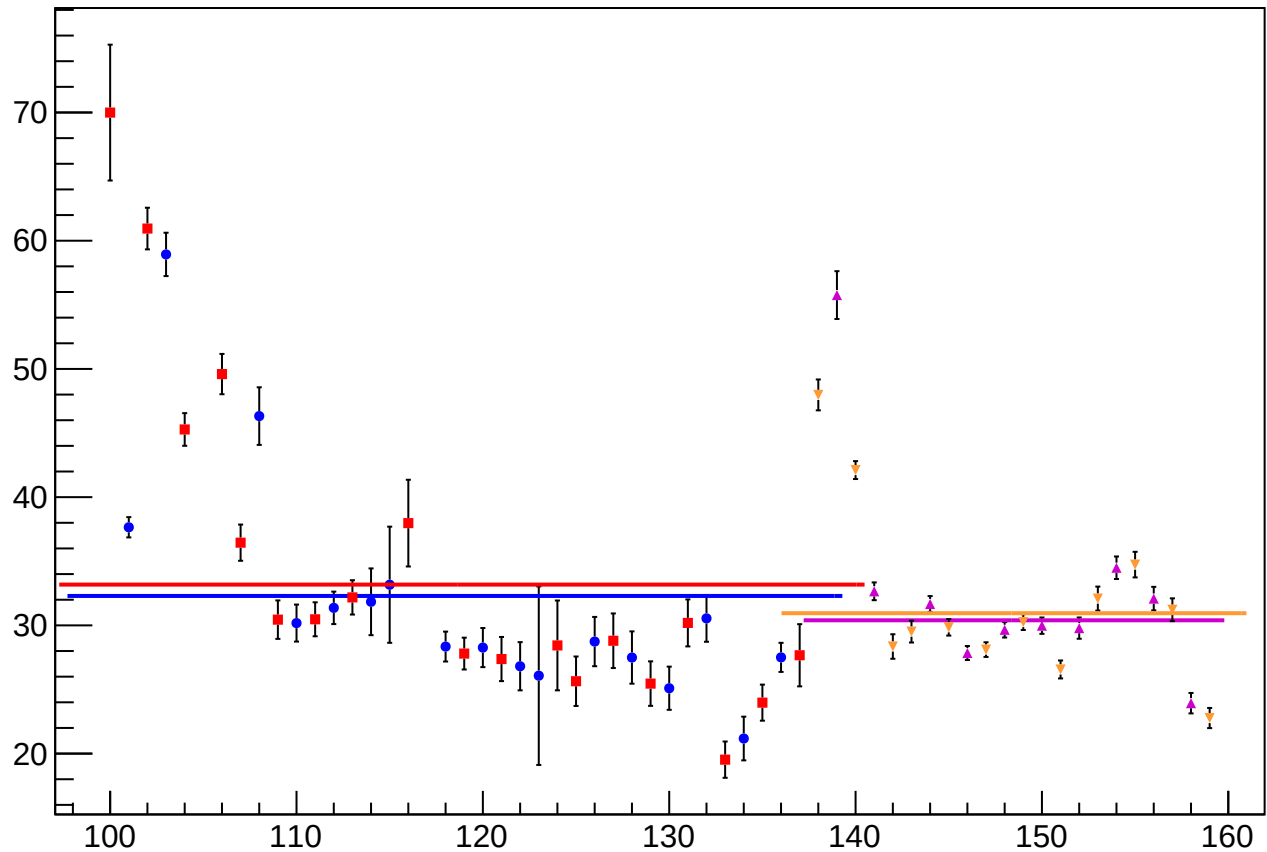
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -31.536+/-0.319 χ^2/NDF :1415.6/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -26.977+/-0.328 χ^2/NDF :418.0/9

Left: -29.315+/-0.229 χ^2/NDF : 1932.9/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -26.977+/-0.328 χ^2/NDF :418.0/9
 Out: -31.536+/-0.319 χ^2/NDF :1415.6/11

All: -29.315+/-0.229 χ^2/NDF : 1932.9/21

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: 30.949 ± 0.221 $\chi^2/\text{NDF}: 658.4/11$

Right Out: 33.180 ± 0.379 $\chi^2/\text{NDF}: 770.3/18$

Left In: 30.395 ± 0.229 $\chi^2/\text{NDF}: 315.0/9$

Left: 30.681 ± 0.159 $\chi^2/\text{NDF}: 976.5/21$

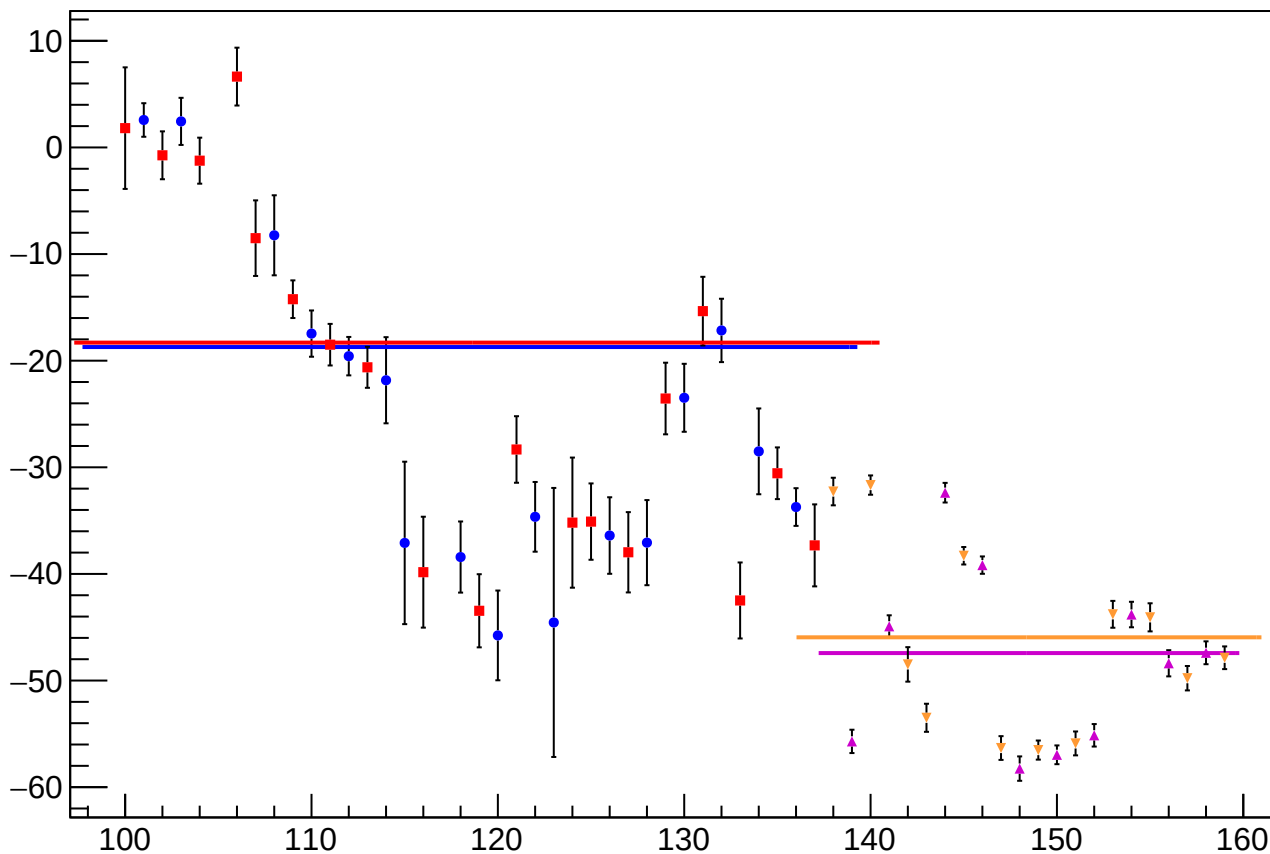
Right: 32.730 ± 0.266 $\chi^2/\text{NDF}: 1225.3/35$

In: 30.916 ± 0.195 $\chi^2/\text{NDF}: 786.1/26$

Out: 31.517 ± 0.191 $\chi^2/\text{NDF}: 1454.5/30$

All: 31.222 ± 0.137 $\chi^2/\text{NDF}: 2245.4/57$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.721 ± 0.665 $\chi^2/\text{NDF}: 519.6/16$

Left Out: -45.947 ± 0.317 $\chi^2/\text{NDF}: 807.2/11$

Right Out: -18.306 ± 0.644 $\chi^2/\text{NDF}: 472.6/18$

Left In: -47.424 ± 0.322 $\chi^2/\text{NDF}: 703.2/9$

Left: -46.673 ± 0.226 $\chi^2/\text{NDF}: 1521.1/21$

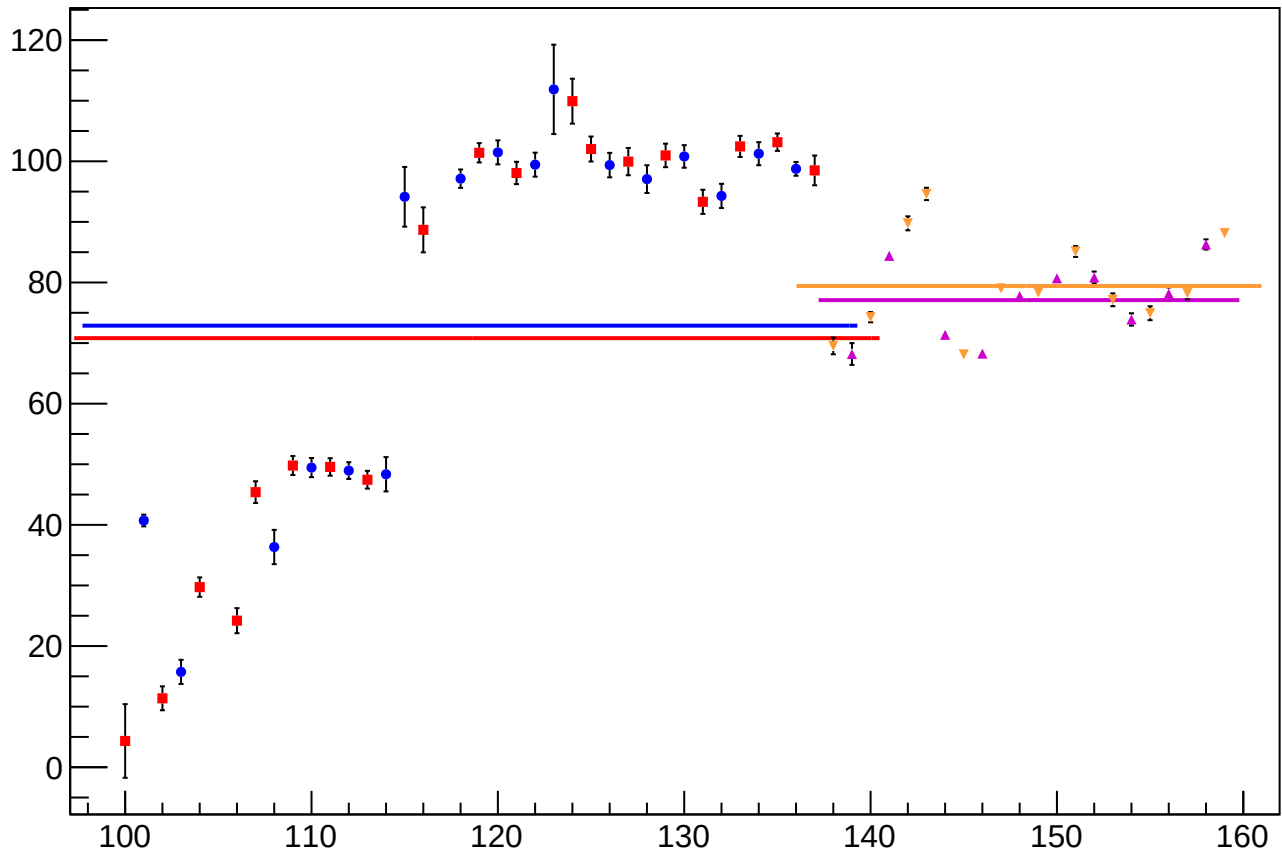
Right: -18.506 ± 0.463 $\chi^2/\text{NDF}: 992.4/35$

In: -41.978 ± 0.290 $\chi^2/\text{NDF}: 2730.6/26$

Out: -40.555 ± 0.284 $\chi^2/\text{NDF}: 2764.8/30$

All: -41.253 ± 0.203 $\chi^2/\text{NDF}: 5507.7/57$

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: 79.412 $\pm$ 0.265 χ^2 /NDF: 798.5/11

Right Out: 70.815 $\pm$ 0.433 χ^2 /NDF: 5489.3/18

Left In: 77.091 $\pm$ 0.273 χ^2 /NDF: 503.0/9

Left: 78.285 $\pm$ 0.190 χ^2 /NDF: 1338.8/21

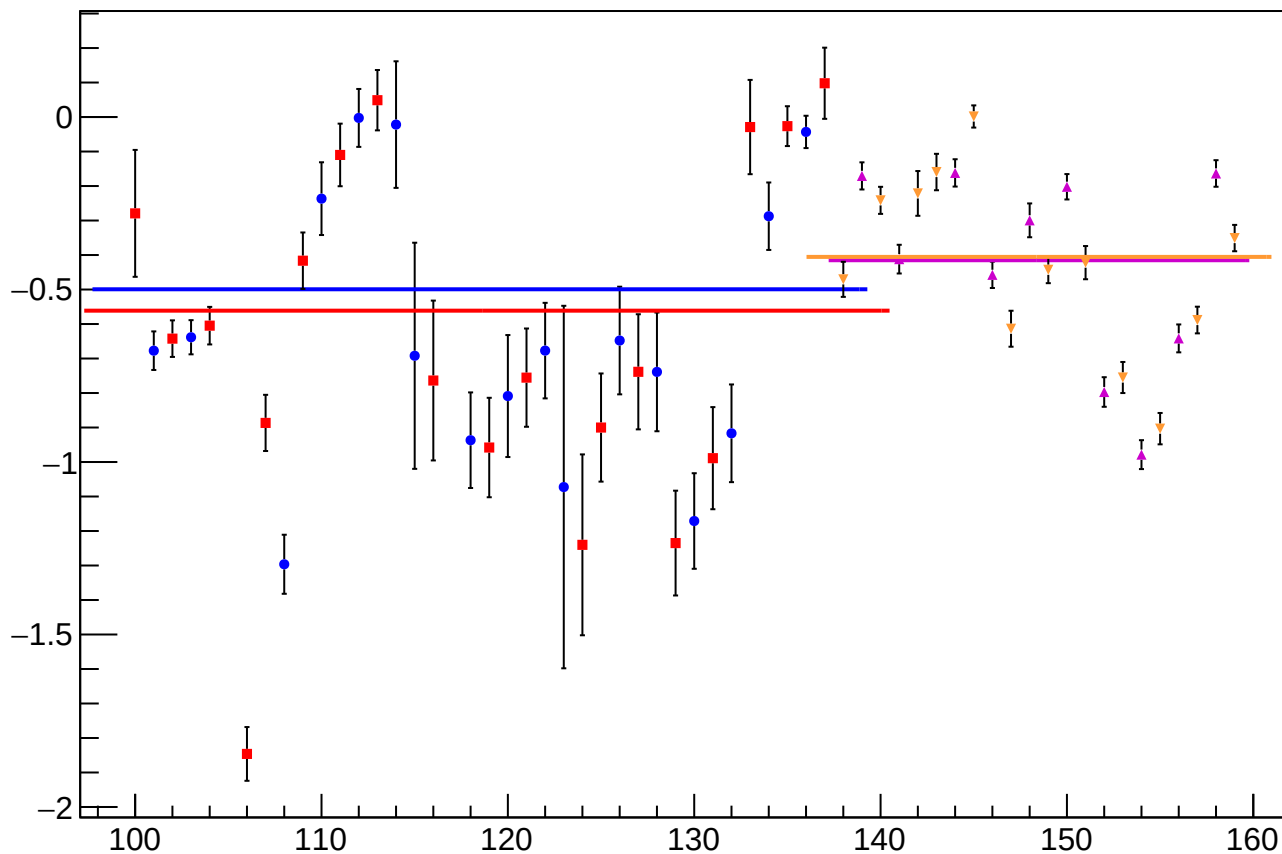
Right: 71.863 $\pm$ 0.304 χ^2 /NDF: 10238.7/35

In: 75.865 $\pm$ 0.230 χ^2 /NDF: 5310.5/26

Out: 77.071 $\pm$ 0.226 χ^2 /NDF: 6574.4/30

All: 76.478 $\pm$ 0.161 χ^2 /NDF: 11898.9/57

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: -0.405 ± 0.013 χ^2/NDF : 430.5/11

Right Out: -0.561 ± 0.021 χ^2/NDF : 562.3/18

Left In: -0.415 ± 0.013 χ^2/NDF : 453.9/9

Left: -0.410 ± 0.009 χ^2/NDF : 884.8/21

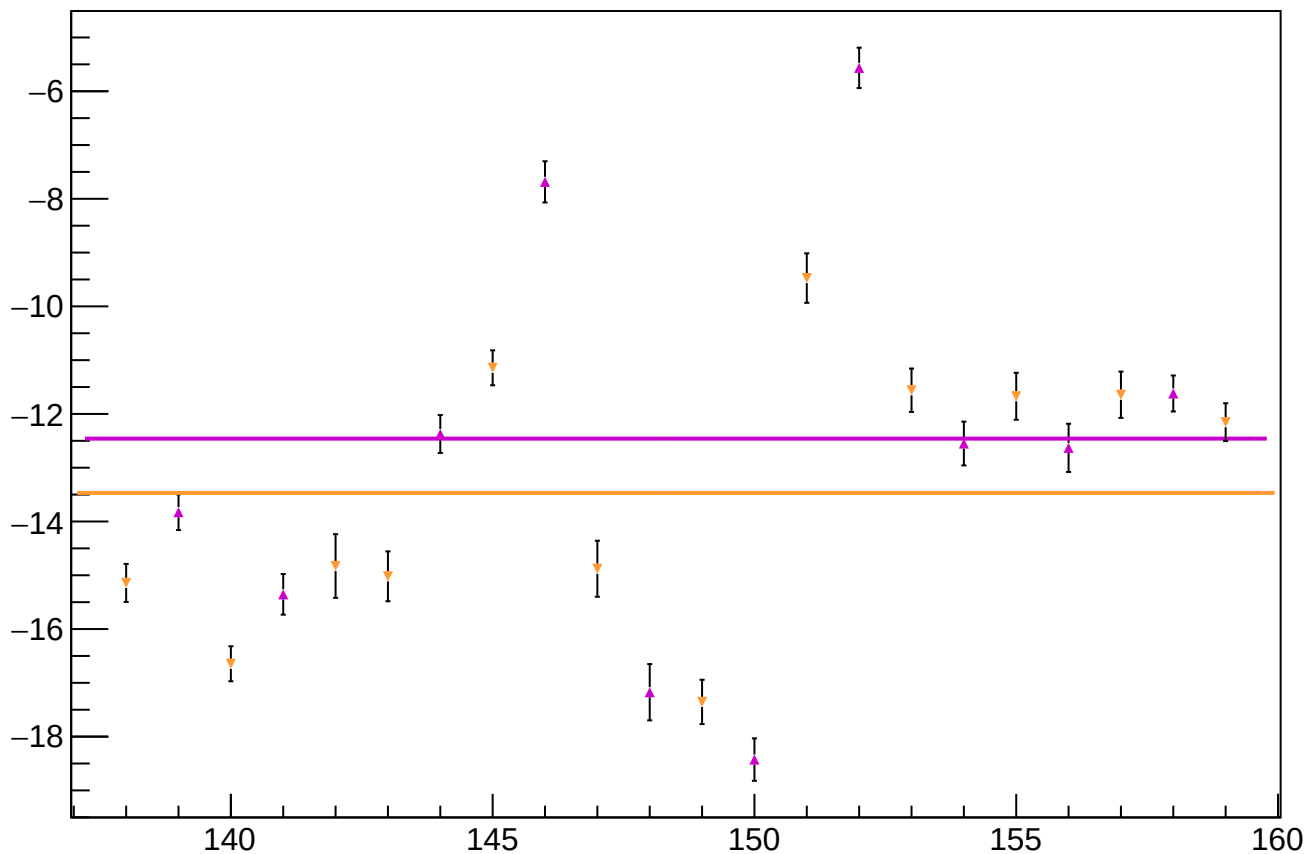
Right: -0.532 ± 0.015 χ^2/NDF : 869.9/35

In: -0.436 ± 0.011 χ^2/NDF : 768.1/26

Out: -0.445 ± 0.011 χ^2/NDF : 1032.4/30

All: -0.441 ± 0.008 χ^2/NDF : 1800.9/57

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.469+/-0.117 χ^2/NDF : 428.5/11

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

Left In: -12.459+/-0.121 χ^2/NDF : 884.3/9

Left: -12.984+/-0.084 χ^2/NDF : 1348.9/21

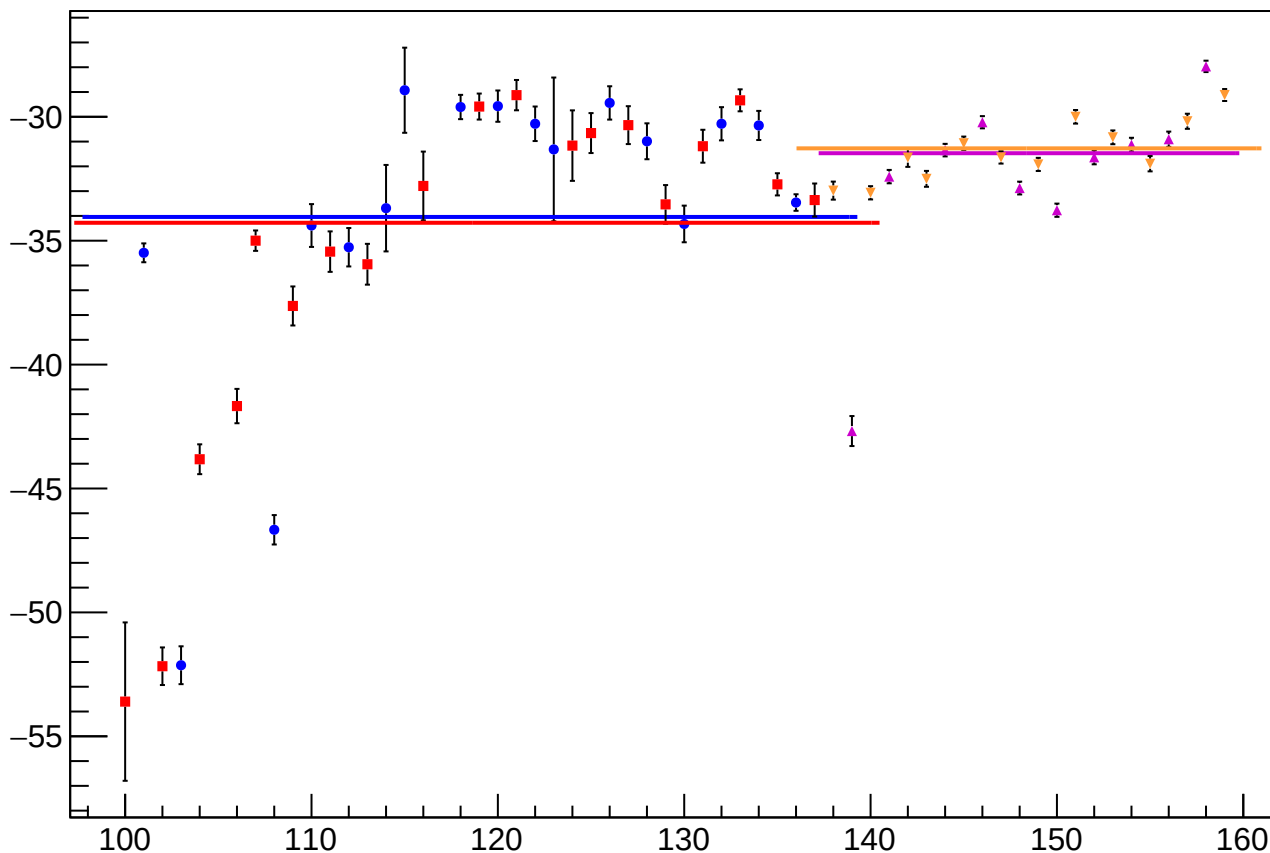
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.459+/-0.121 χ^2/NDF : 884.3/9

Out: -13.469+/-0.117 χ^2/NDF : 428.5/11

All: -12.984+/-0.084 χ^2/NDF : 1348.9/21

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.042 ± 0.151 $\chi^2/\text{NDF}: 1340.8/16$

Left Out: -31.273 ± 0.082 $\chi^2/\text{NDF}: 211.6/11$

Right Out: -34.277 ± 0.151 $\chi^2/\text{NDF}: 1349.5/18$

Left In: -31.470 ± 0.087 $\chi^2/\text{NDF}: 721.8/9$

Left: -31.366 ± 0.060 $\chi^2/\text{NDF}: 936.0/21$

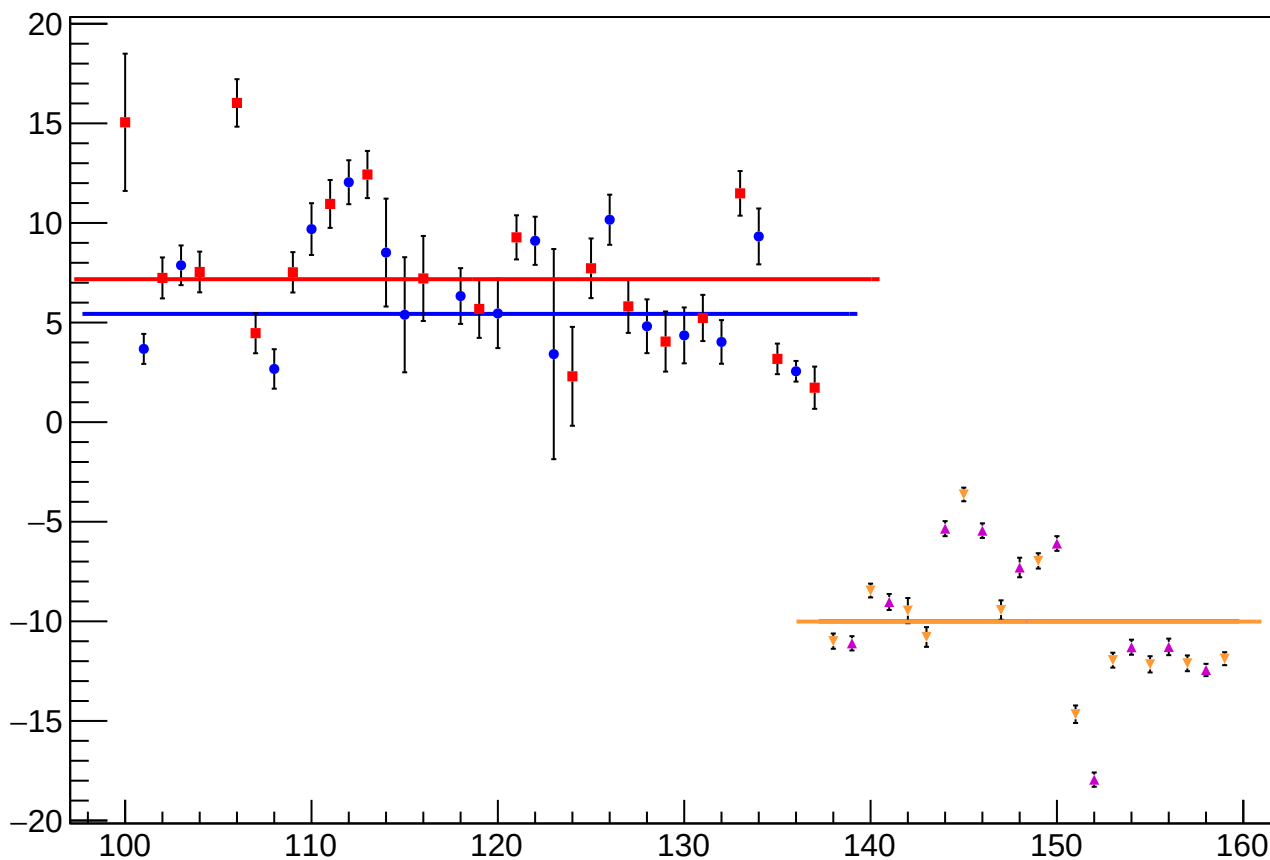
Right: -34.159 ± 0.107 $\chi^2/\text{NDF}: 2691.4/35$

In: -32.112 ± 0.075 $\chi^2/\text{NDF}: 2281.1/26$

Out: -31.965 ± 0.072 $\chi^2/\text{NDF}: 1866.2/30$

All: -32.035 ± 0.052 $\chi^2/\text{NDF}: 4149.4/57$

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: -10.011 ± 0.115 $\chi^2/\text{NDF}: 666.8/11$

Right Out: 7.177 ± 0.274 $\chi^2/\text{NDF}: 182.6/18$

Left In: -10.003 ± 0.119 $\chi^2/\text{NDF}: 1036.6/9$

Left: -10.007 ± 0.083 $\chi^2/\text{NDF}: 1703.4/21$

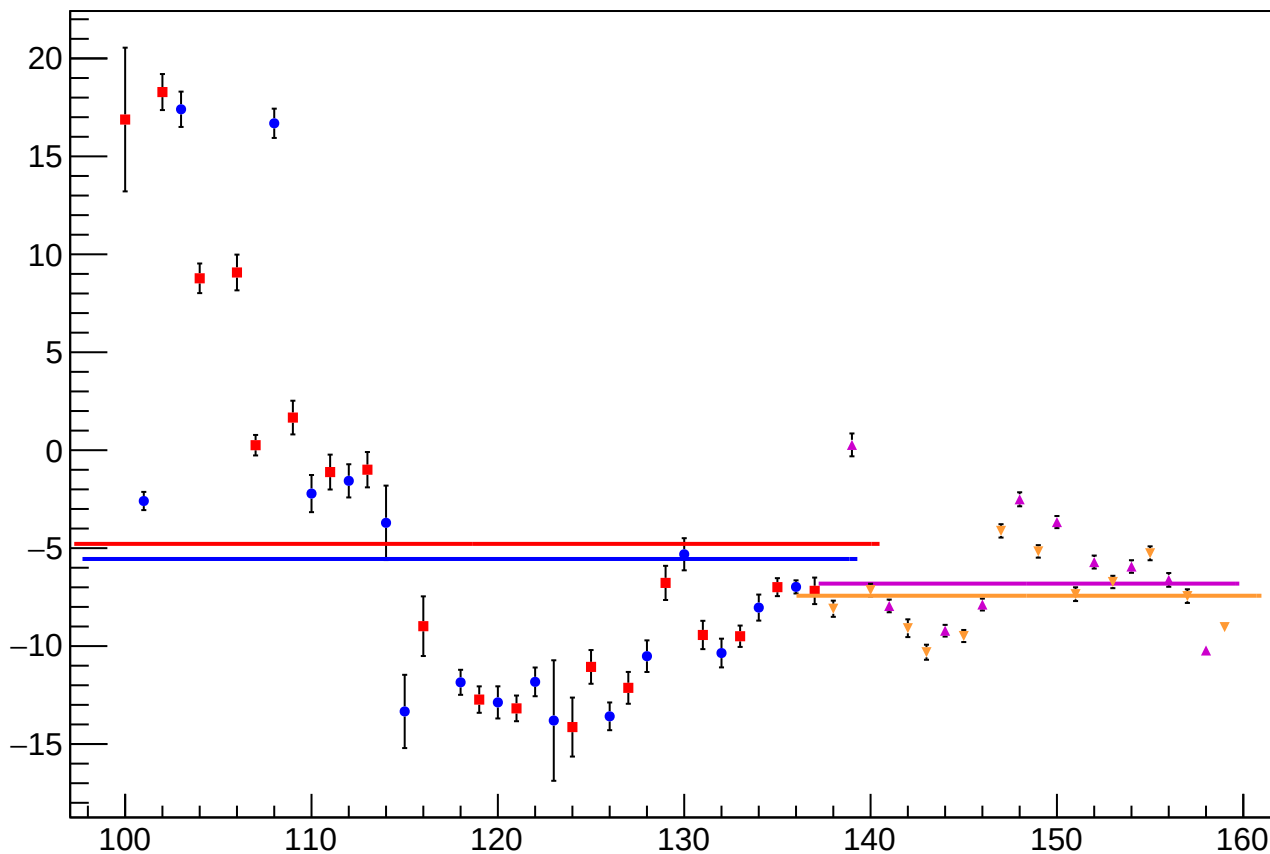
Right: 6.291 ± 0.192 $\chi^2/\text{NDF}: 335.1/35$

In: -7.492 ± 0.109 $\chi^2/\text{NDF}: 3914.8/26$

Out: -7.429 ± 0.106 $\chi^2/\text{NDF}: 4189.4/30$

All: -7.460 ± 0.076 $\chi^2/\text{NDF}: 8104.4/57$

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: -7.429 ± 0.097 χ^2/NDF : 343.2/11

Right Out: -4.782 ± 0.173 χ^2/NDF : 2040.4/18

Left In: -6.811 ± 0.102 χ^2/NDF : 700.8/9

Left: -7.134 ± 0.070 χ^2/NDF : 1063.4/21

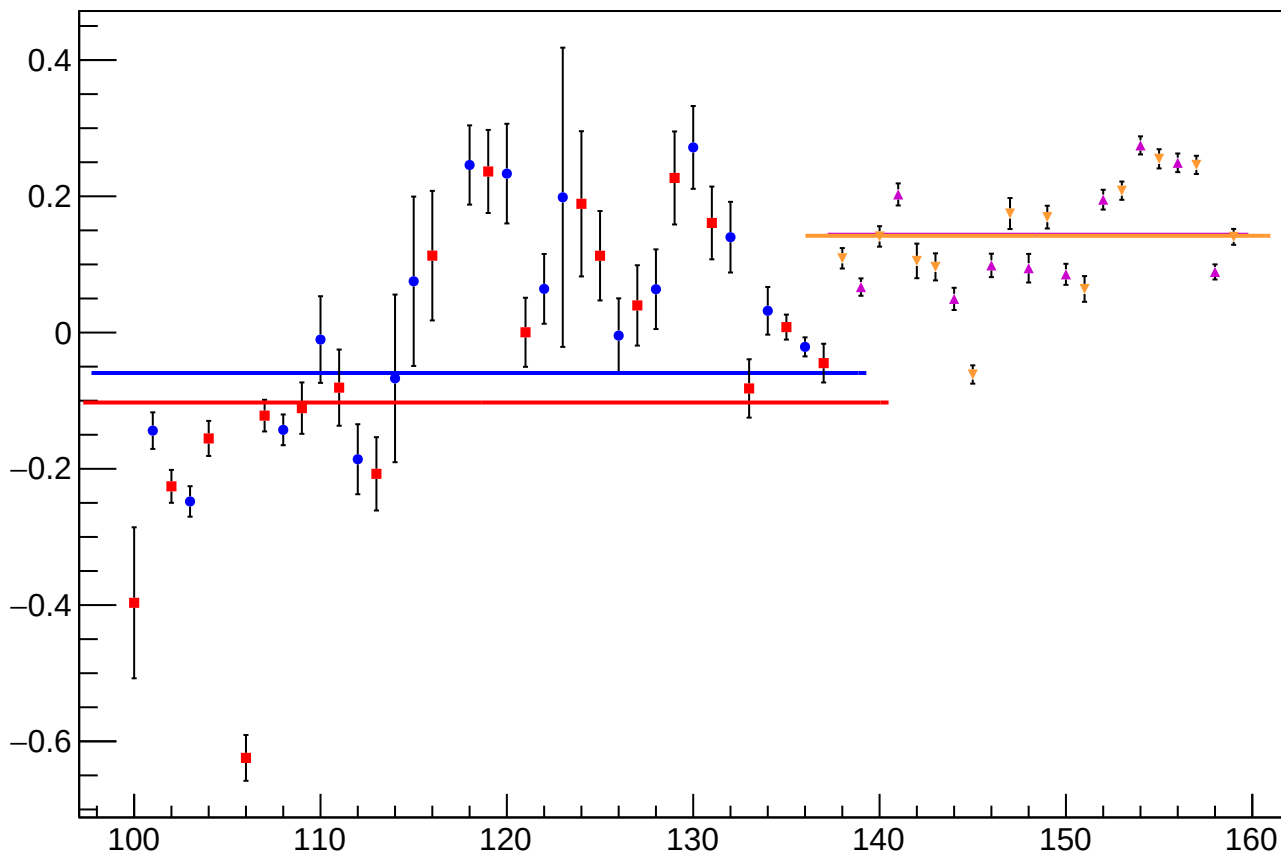
Right: -5.174 ± 0.121 χ^2/NDF : 4175.8/35

In: -6.479 ± 0.087 χ^2/NDF : 2866.4/26

Out: -6.792 ± 0.085 χ^2/NDF : 2561.9/30

All: -6.640 ± 0.061 χ^2/NDF : 5434.9/57

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: 0.142 ± 0.004 χ^2/NDF : 412.7/11

Right Out: -0.103 ± 0.008 χ^2/NDF : 435.5/18

Left In: 0.144 ± 0.005 χ^2/NDF : 303.7/9

Left: 0.143 ± 0.003 χ^2/NDF : 716.5/21

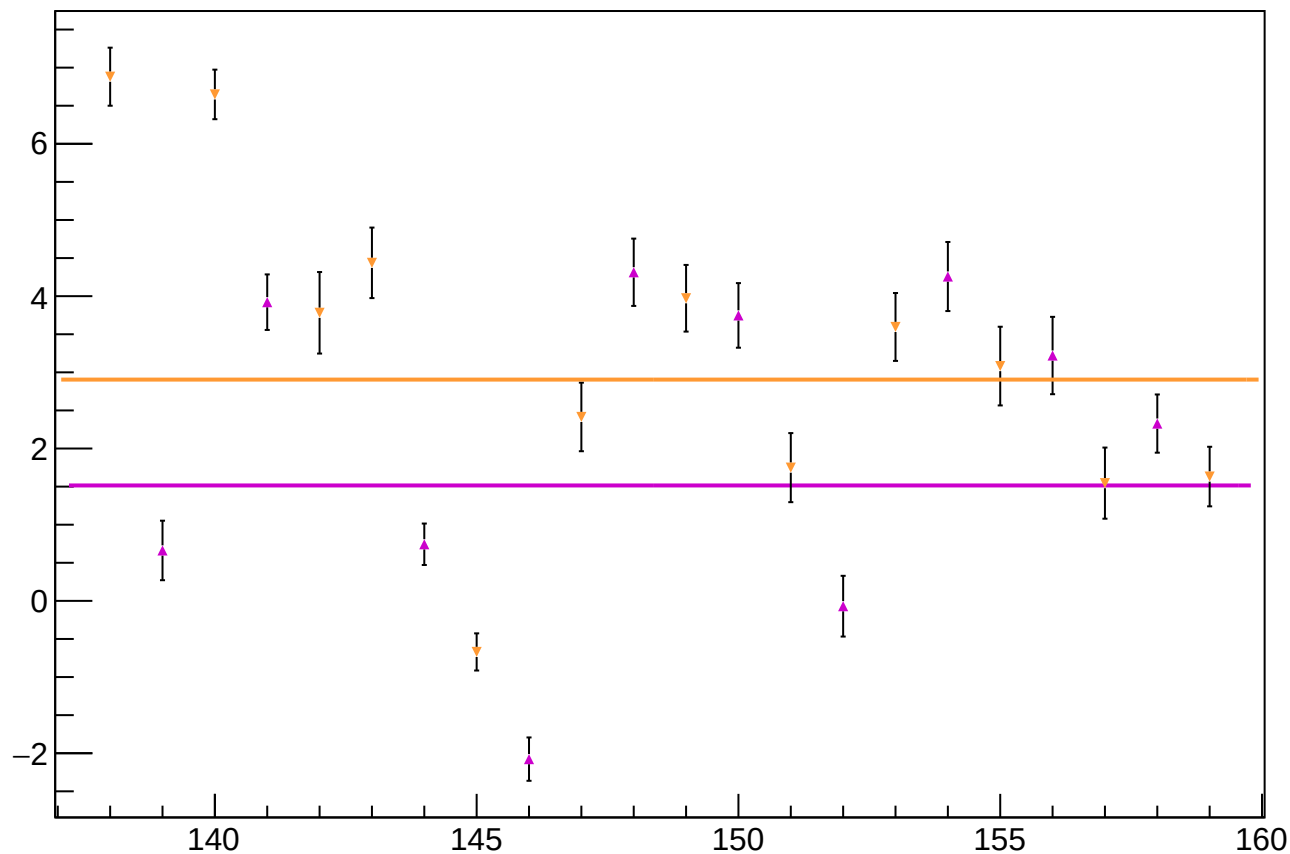
Right: -0.081 ± 0.006 χ^2/NDF : 666.4/35

In: 0.097 ± 0.004 χ^2/NDF : 971.6/26

Out: 0.089 ± 0.004 χ^2/NDF : 1508.3/30

All: 0.093 ± 0.003 χ^2/NDF : 2482.1/57

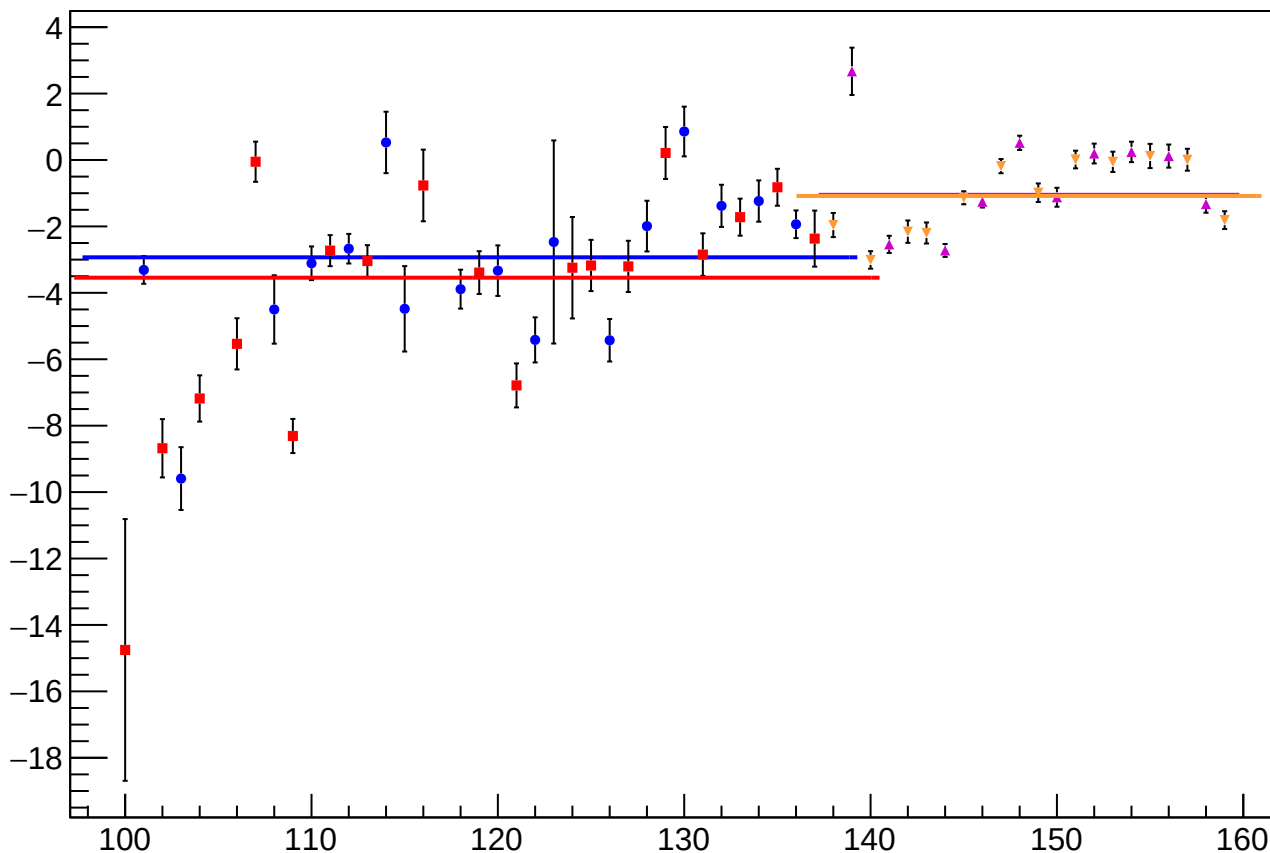
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.905 $\pm$ 0.115 χ^2 /NDF:505.1/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.515 $\pm$ 0.117 χ^2 /NDF:351.8/9

Left: 2.227 $\pm$ 0.082 χ^2 /NDF: 928.7/21
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 1.515 $\pm$ 0.117 χ^2 /NDF:351.8/9
 Out: 2.905 $\pm$ 0.115 χ^2 /NDF:505.1/11
 All: 2.227 $\pm$ 0.082 χ^2 /NDF: 928.7/21

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.930 ± 0.154 $\chi^2/\text{NDF}: 146.5/16$

Left Out: -1.083 ± 0.080 $\chi^2/\text{NDF}: 156.9/11$

Right Out: -3.544 ± 0.155 $\chi^2/\text{NDF}: 291.7/18$

Left In: -1.049 ± 0.080 $\chi^2/\text{NDF}: 236.3/9$

Left: -1.066 ± 0.057 $\chi^2/\text{NDF}: 393.3/21$

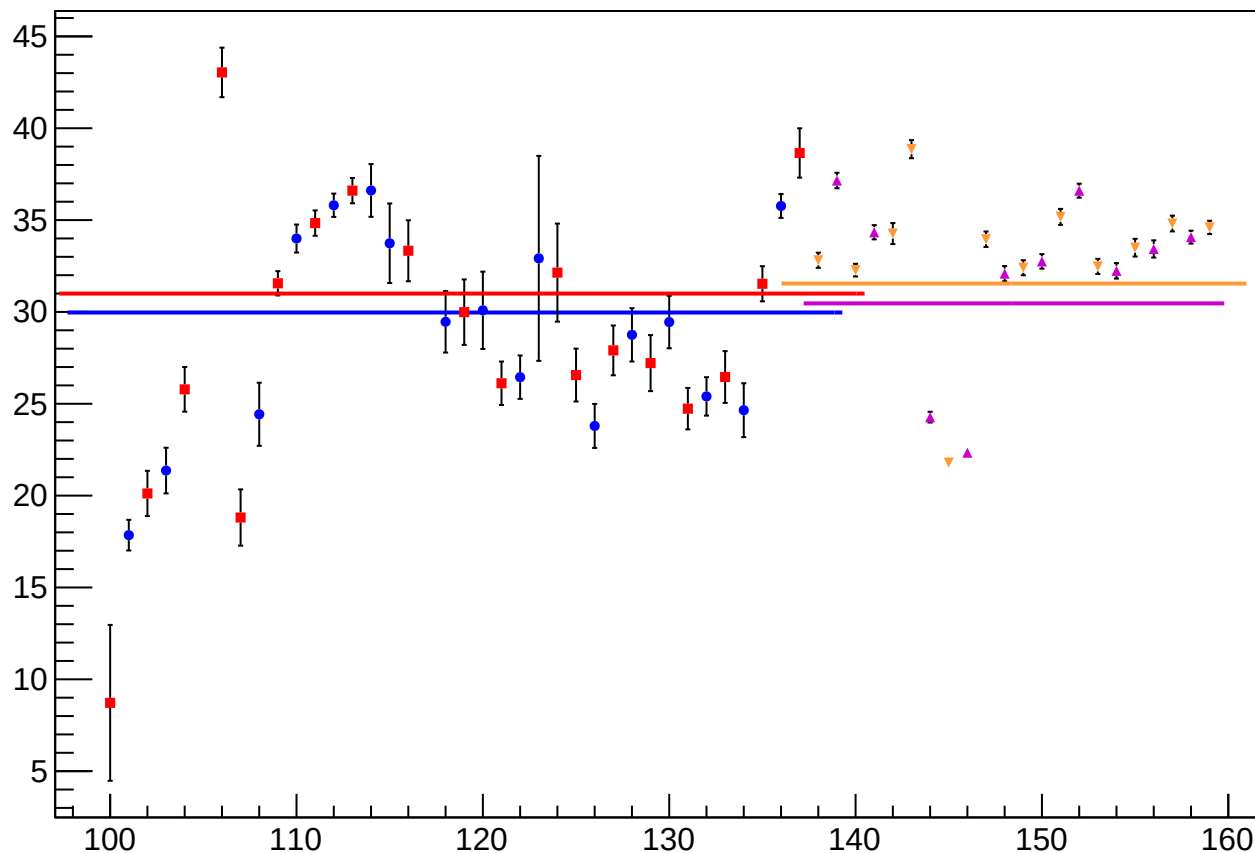
Right: -3.236 ± 0.109 $\chi^2/\text{NDF}: 446.1/35$

In: -1.452 ± 0.071 $\chi^2/\text{NDF}: 500.2/26$

Out: -1.601 ± 0.071 $\chi^2/\text{NDF}: 648.6/30$

All: -1.527 ± 0.050 $\chi^2/\text{NDF}: 1151.0/57$

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: 31.546 $\pm$ 0.114 χ^2 /NDF:1923.3/11

Right Out: 31.000 $\pm$ 0.260 χ^2 /NDF: 479.5/18

Left In: 30.465 $\pm$ 0.116 χ^2 /NDF:2157.2/9

Left: 31.011 $\pm$ 0.081 χ^2 /NDF: 4124.5/21

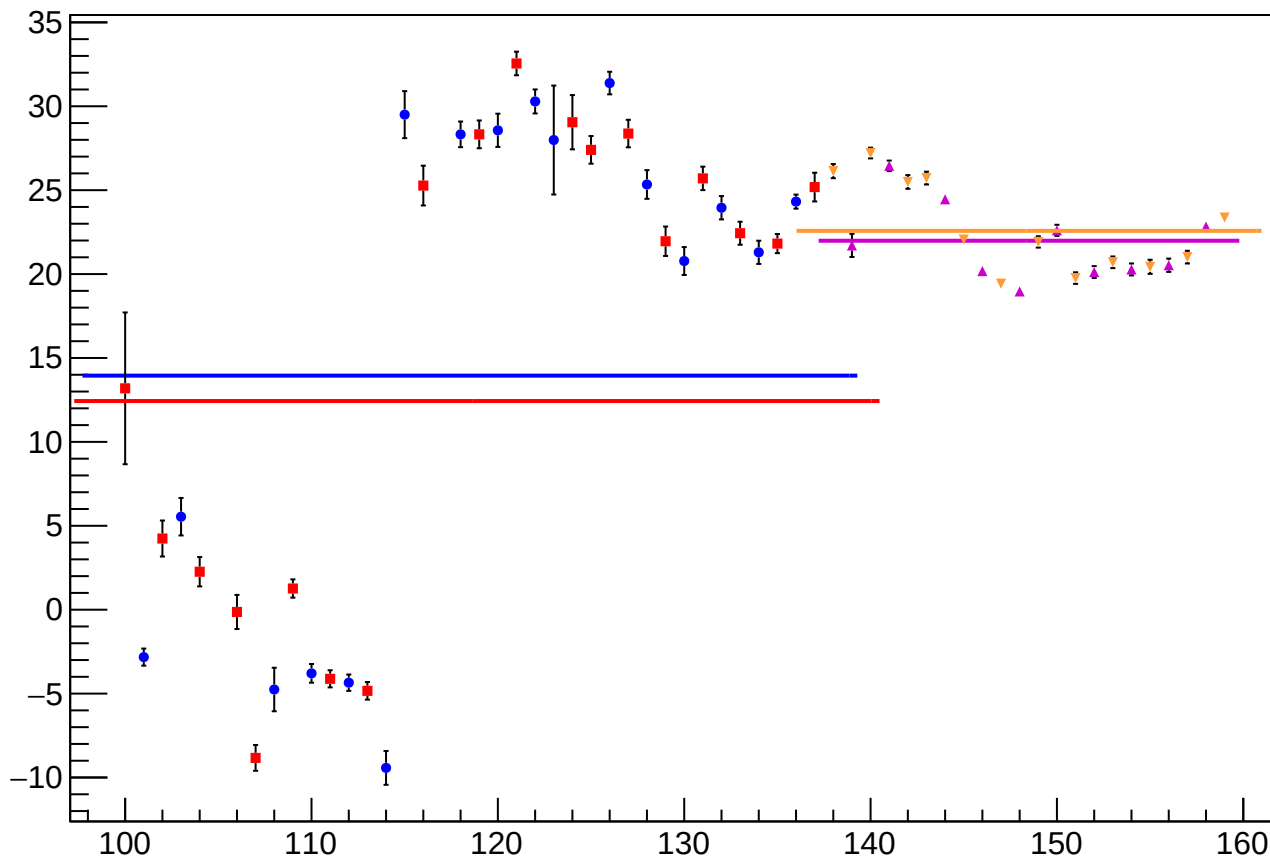
Right: 30.497 $\pm$ 0.186 χ^2 /NDF: 1041.5/35

In: 30.386 $\pm$ 0.106 χ^2 /NDF:2714.4/26

Out: 31.457 $\pm$ 0.105 χ^2 /NDF:2406.5/30

All: 30.929 $\pm$ 0.075 χ^2 /NDF: 5172.4/57

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: 22.576 $\pm$ 0.095 χ^2 /NDF:671.0/11

Right Out: 12.435 $\pm$ 0.174 χ^2 /NDF: 6962.9/18

Left In: 21.987 $\pm$ 0.096 χ^2 /NDF:565.8/9

Left: 22.285 $\pm$ 0.068 χ^2 /NDF: 1255.6/21

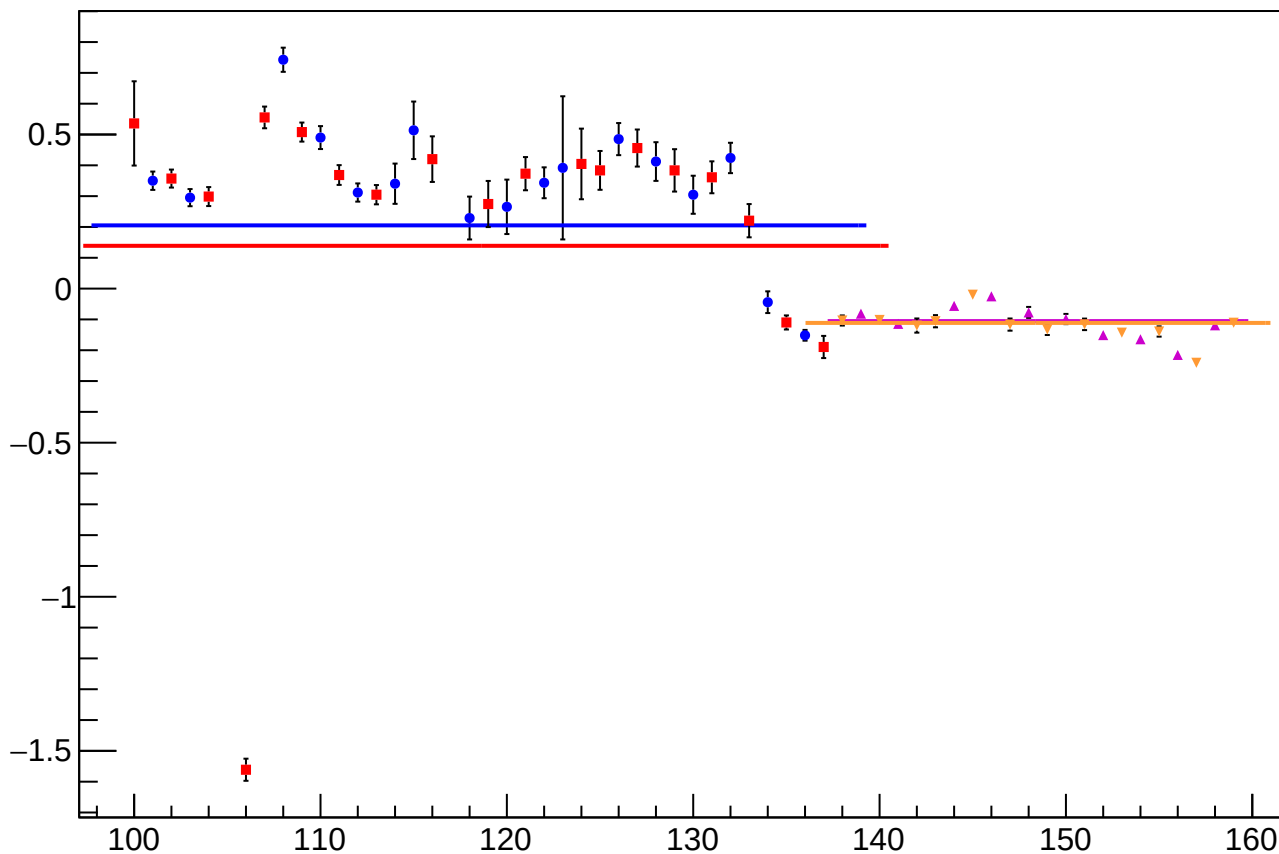
Right: 13.199 $\pm$ 0.122 χ^2 /NDF: 14393.1/35

In: 20.062 $\pm$ 0.084 χ^2 /NDF:9619.8/26

Out: 20.227 $\pm$ 0.084 χ^2 /NDF:10253.7/30

All: 20.145 $\pm$ 0.059 χ^2 /NDF: 19875.4/57

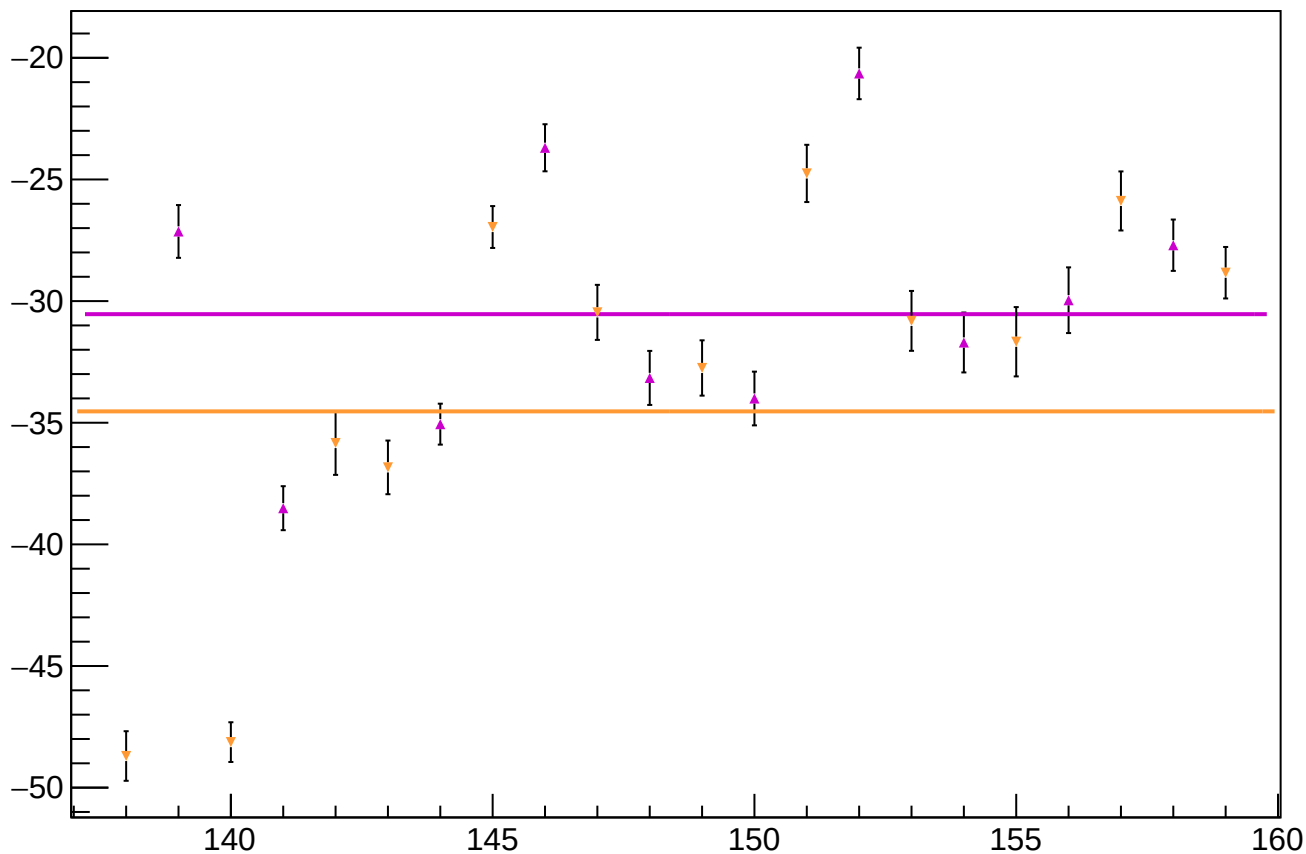
reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 $\chi^2/\text{NDF}: 846.2/16$
 Left Out: -0.111 ± 0.004 $\chi^2/\text{NDF}: 170.4/11$
 Right Out: 0.139 ± 0.009 $\chi^2/\text{NDF}: 3016.8/18$
 Left In: -0.106 ± 0.005 $\chi^2/\text{NDF}: 137.1/9$

Left: -0.109 ± 0.003 $\chi^2/\text{NDF}: 308.3/21$
 Right: 0.171 ± 0.007 $\chi^2/\text{NDF}: 3888.5/35$
 In: -0.045 ± 0.004 $\chi^2/\text{NDF}: 1869.5/26$
 Out: -0.063 ± 0.004 $\chi^2/\text{NDF}: 3784.9/30$
 All: -0.054 ± 0.003 $\chi^2/\text{NDF}: 5664.5/57$

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -34.533+/-0.313 χ^2/NDF : 730.8/11

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

Left In: -30.537+/-0.330 χ^2/NDF : 277.5/9

Left: -32.642+/-0.227 χ^2/NDF : 1085.5/21

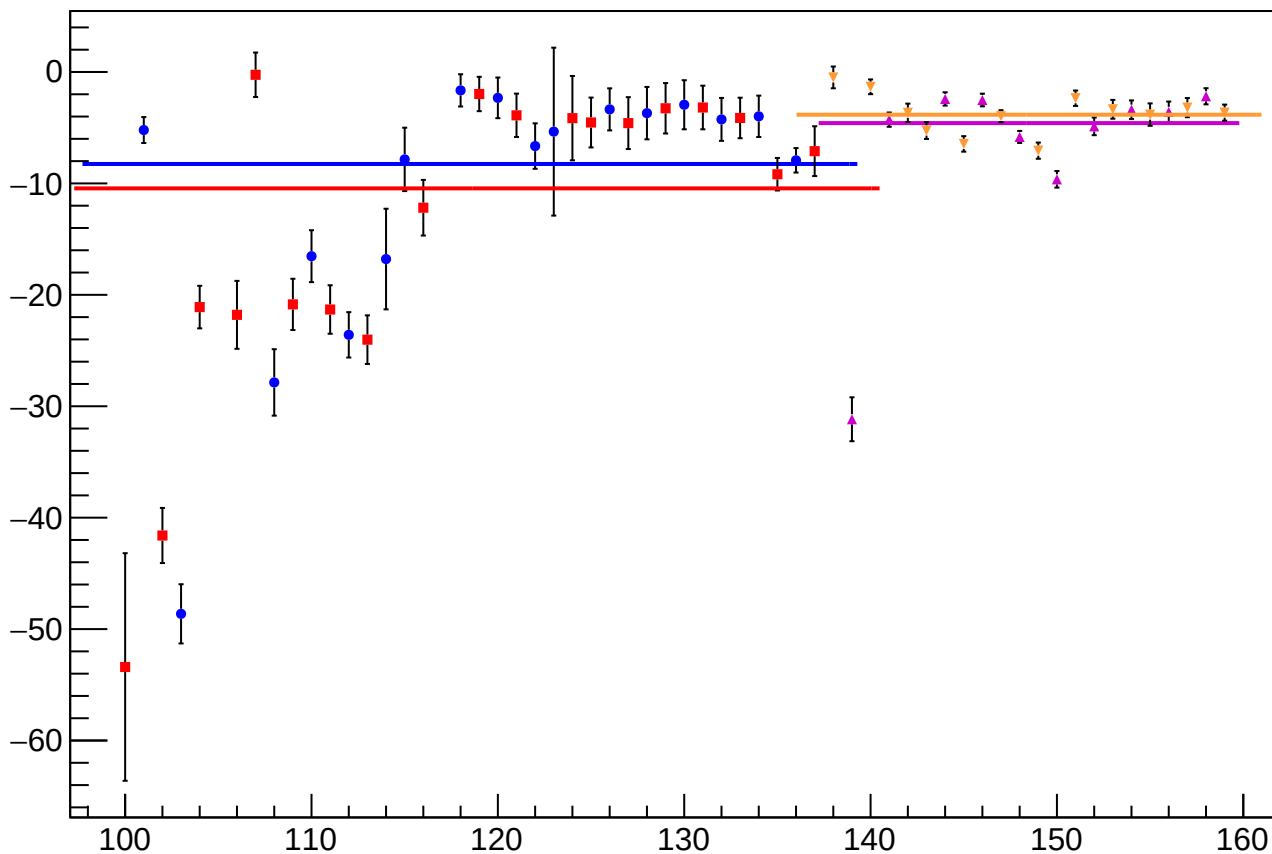
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.537+/-0.330 χ^2/NDF : 277.5/9

Out: -34.533+/-0.313 χ^2/NDF : 730.8/11

All: -32.642+/-0.227 χ^2/NDF : 1085.5/21

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: -3.834 ± 0.214 χ^2/NDF : 69.2/11

Right Out: -10.446 ± 0.491 χ^2/NDF : 428.4/18

Left In: -4.586 ± 0.224 χ^2/NDF : 274.4/9

Left: -4.193 ± 0.155 χ^2/NDF : 349.5/21

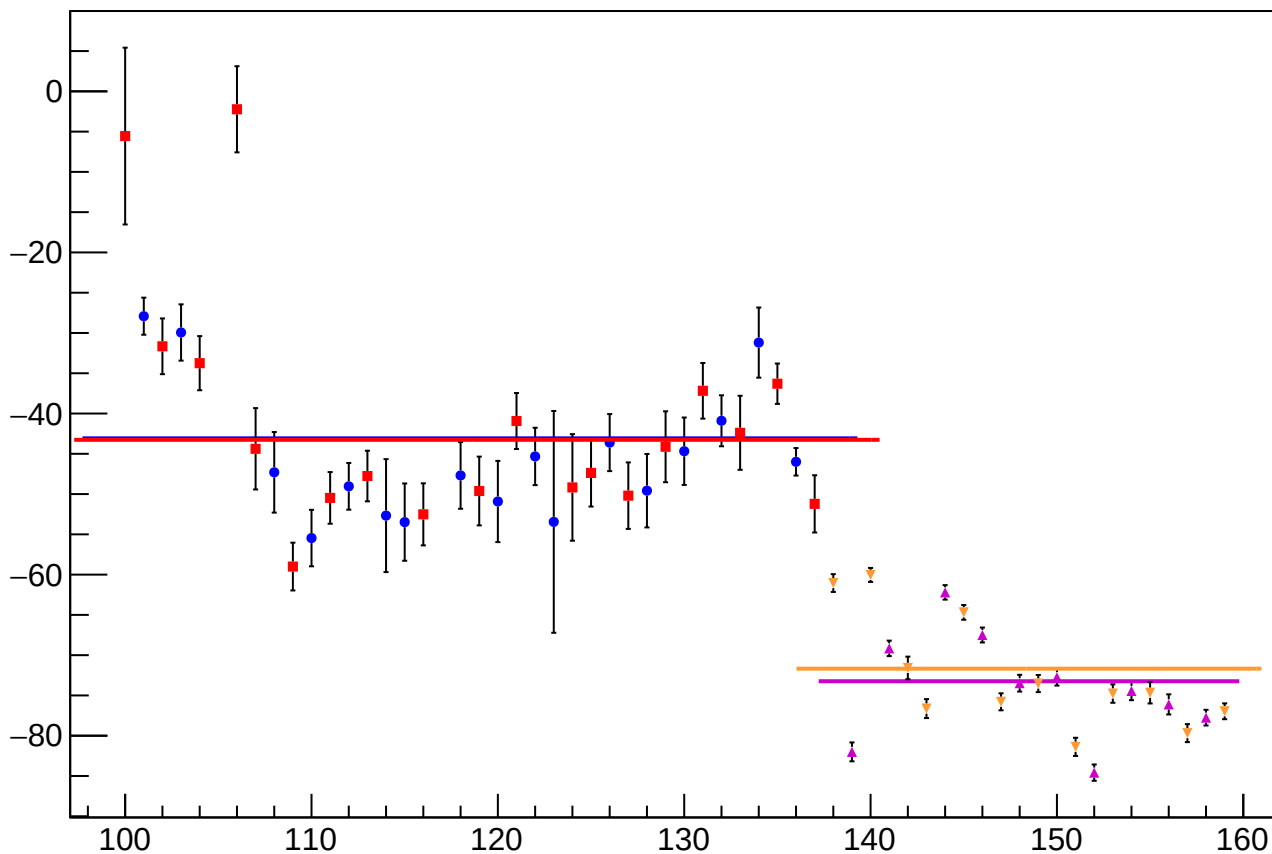
Right: -9.285 ± 0.337 χ^2/NDF : 851.1/35

In: -5.285 ± 0.202 χ^2/NDF : 737.7/26

Out: -4.893 ± 0.197 χ^2/NDF : 649.8/30

All: -5.084 ± 0.141 χ^2/NDF : 1389.4/57

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.082 ± 0.834 χ^2/NDF : 99.2/16

Left Out: -71.675 ± 0.311 χ^2/NDF : 533.0/11

Right Out: -43.262 ± 0.866 χ^2/NDF : 154.2/18

Left In: -73.236 ± 0.324 χ^2/NDF : 416.0/9

Left: -72.424 ± 0.225 χ^2/NDF : 961.1/21

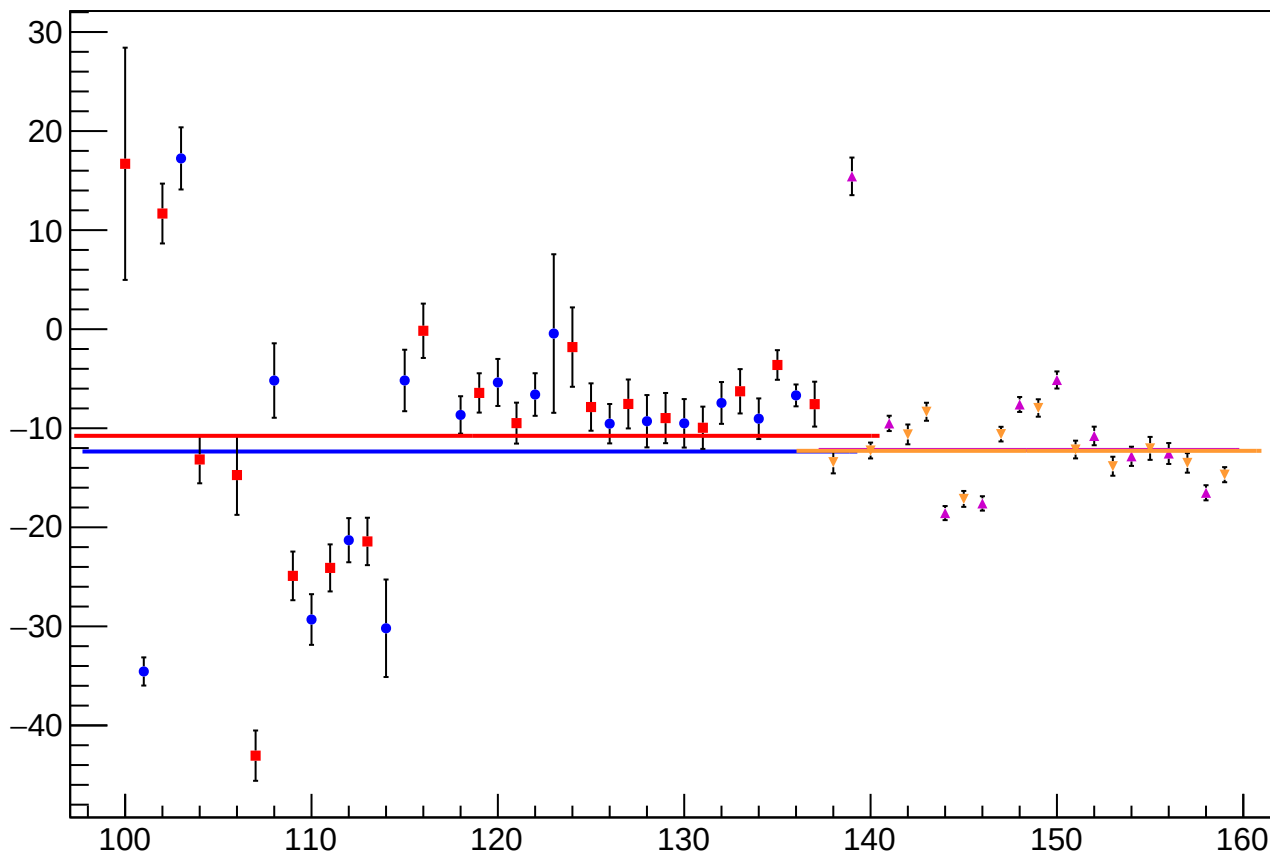
Right: -43.169 ± 0.601 χ^2/NDF : 253.4/35

In: -69.274 ± 0.302 χ^2/NDF : 1650.0/26

Out: -68.424 ± 0.293 χ^2/NDF : 1639.6/30

All: -68.836 ± 0.210 χ^2/NDF : 3293.6/57

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.348 ± 0.520 $\chi^2/\text{NDF}: 475.9/16$

Left Out: -12.280 ± 0.258 $\chi^2/\text{NDF}: 102.8/11$

Right Out: -10.765 ± 0.554 $\chi^2/\text{NDF}: 366.6/18$

Left In: -12.190 ± 0.270 $\chi^2/\text{NDF}: 498.1/9$

Left: -12.237 ± 0.186 $\chi^2/\text{NDF}: 601.0/21$

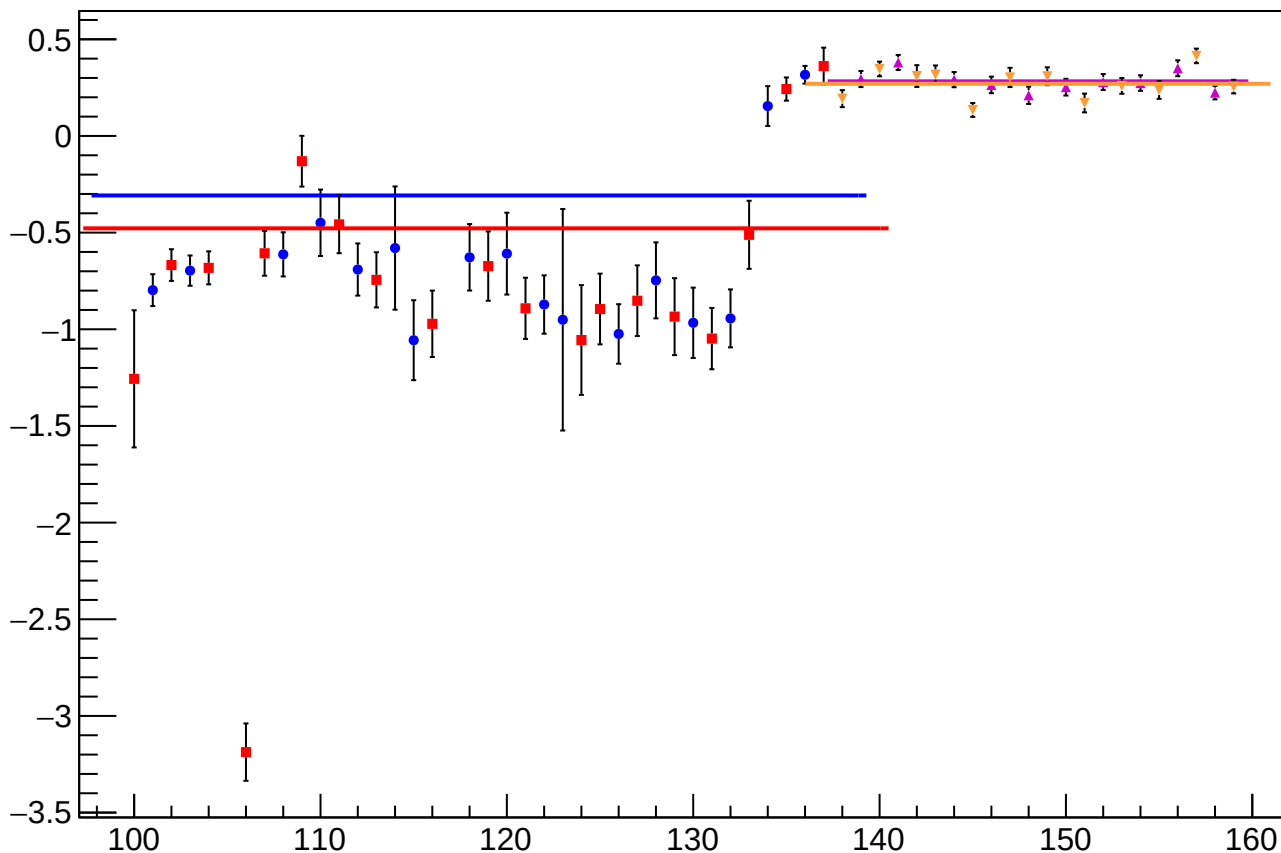
Right: -11.606 ± 0.379 $\chi^2/\text{NDF}: 846.9/35$

In: -12.224 ± 0.239 $\chi^2/\text{NDF}: 974.2/26$

Out: -12.010 ± 0.234 $\chi^2/\text{NDF}: 475.6/30$

All: -12.114 ± 0.167 $\chi^2/\text{NDF}: 1450.2/57$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.308 ± 0.028 χ^2/NDF : 372.4/16

Left Out: 0.270 ± 0.012 χ^2/NDF : 43.6/11

Right Out: -0.478 ± 0.029 χ^2/NDF : 631.2/18

Left In: 0.282 ± 0.013 χ^2/NDF : 15.2/9

Left: 0.276 ± 0.009 χ^2/NDF : 59.4/21

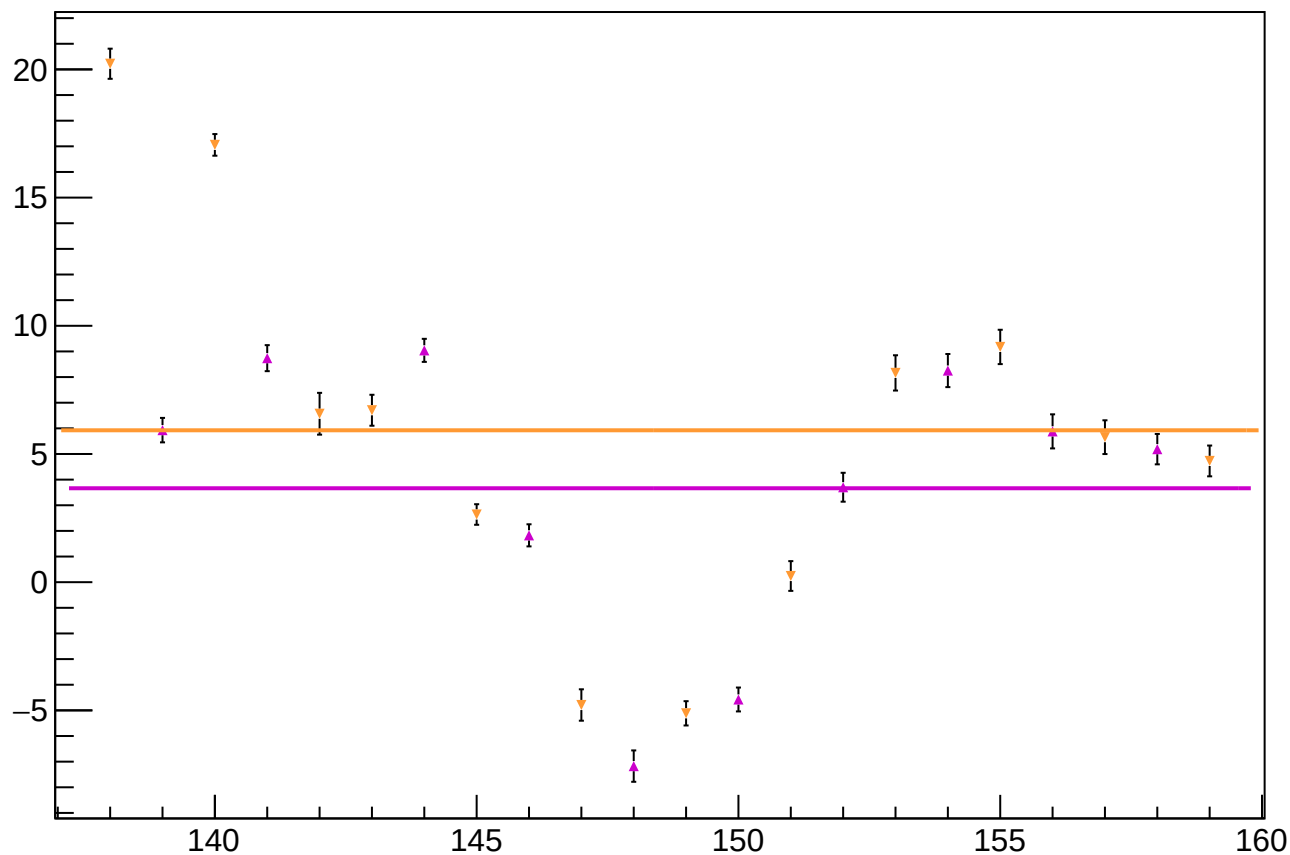
Right: -0.390 ± 0.020 χ^2/NDF : 1022.0/35

In: 0.177 ± 0.012 χ^2/NDF : 765.9/26

Out: 0.153 ± 0.011 χ^2/NDF : 1254.2/30

All: 0.165 ± 0.008 χ^2/NDF : 2022.3/57

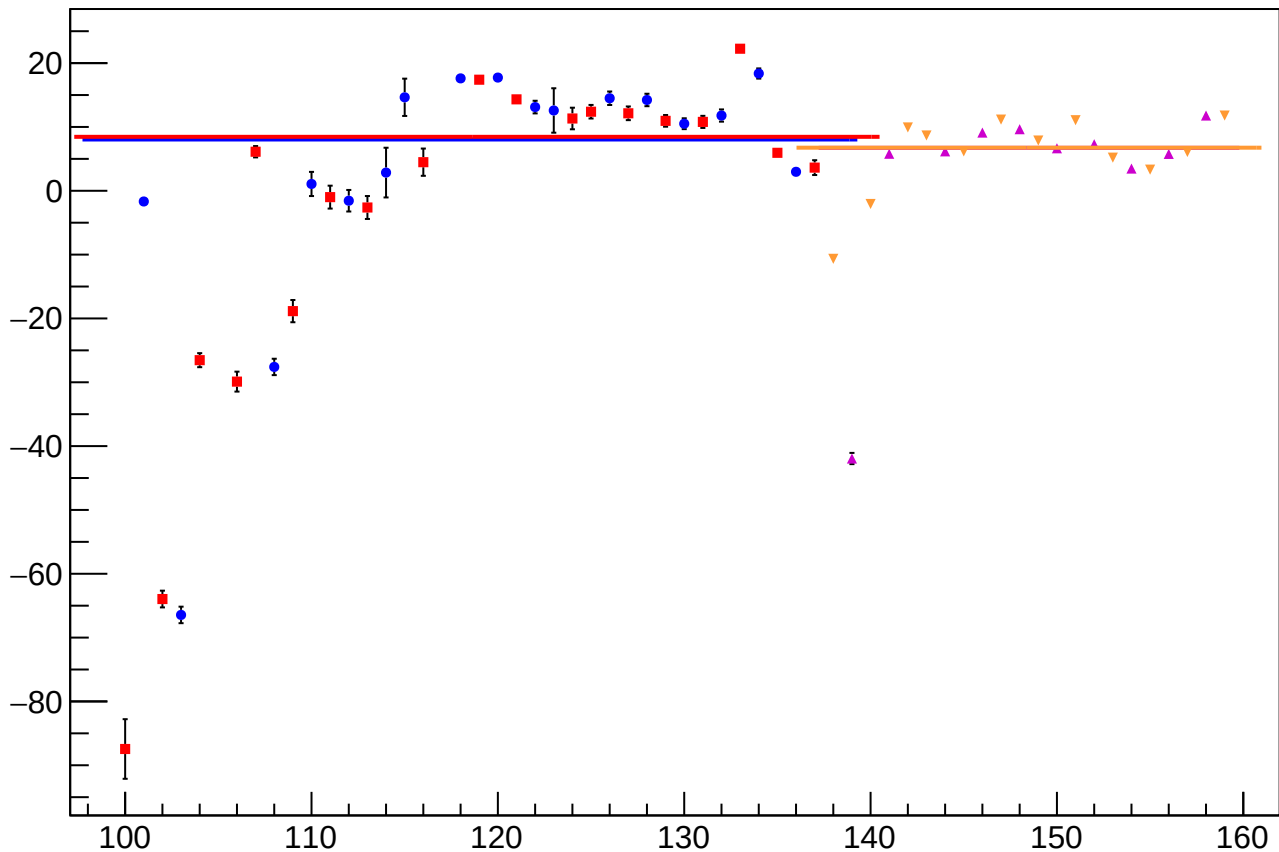
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.924+/-0.161 χ^2/NDF :2340.0/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.663+/-0.165 χ^2/NDF :978.3/9

Left: 4.823+/-0.115 χ^2/NDF : 3414.1/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.663+/-0.165 χ^2/NDF :978.3/9
 Out: 5.924+/-0.161 χ^2/NDF :2340.0/11
 All: 4.823+/-0.115 χ^2/NDF : 3414.1/21

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.036 $\pm$ 0.215 χ^2 /NDF: 5369.4/16

Left Out: 6.751 $\pm$ 0.112 χ^2 /NDF: 2158.5/11

Right Out: 8.454 $\pm$ 0.213 χ^2 /NDF: 6704.4/18

Left In: 6.724 $\pm$ 0.116 χ^2 /NDF: 3453.9/9

Left: 6.738 $\pm$ 0.081 χ^2 /NDF: 5612.4/21

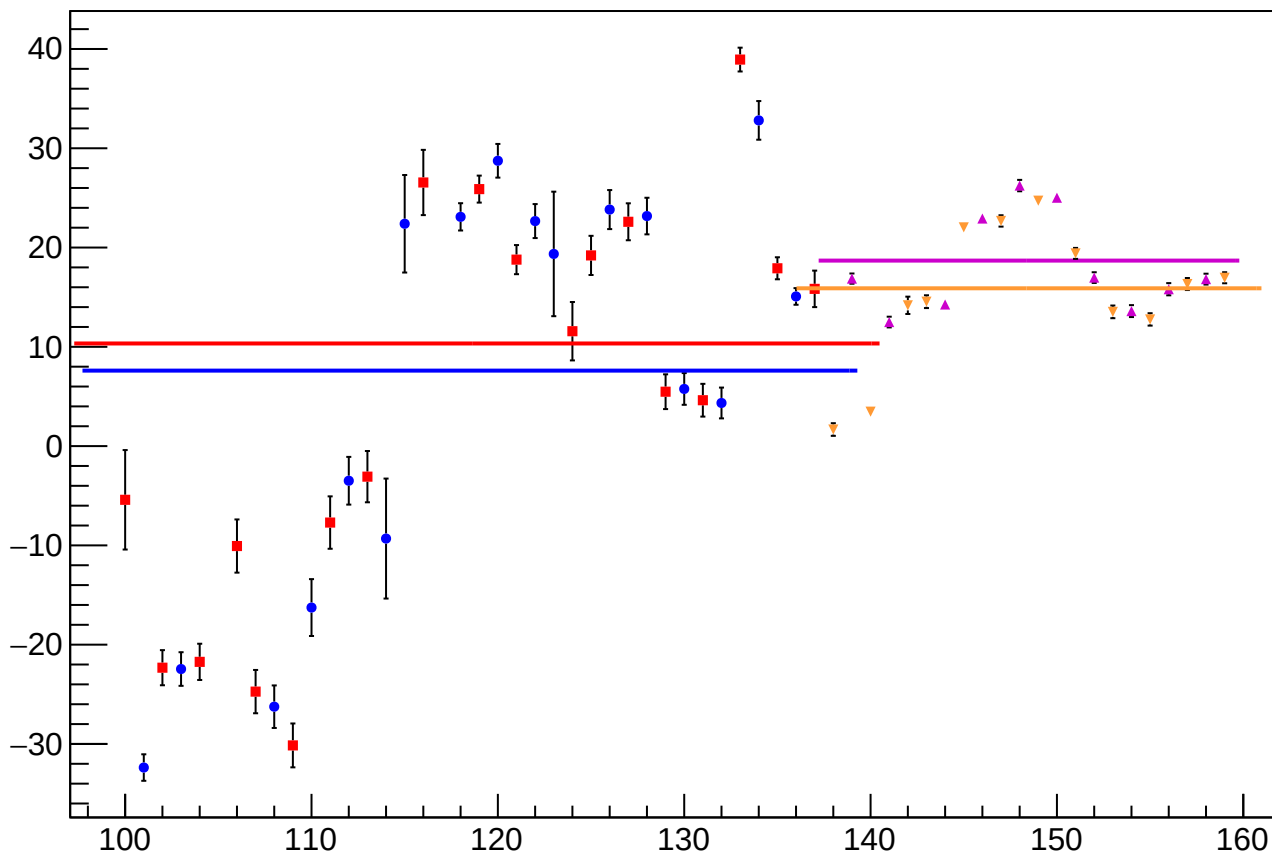
Right: 8.247 $\pm$ 0.151 χ^2 /NDF: 12075.7/35

In: 7.020 $\pm$ 0.102 χ^2 /NDF: 8852.1/26

Out: 7.119 $\pm$ 0.099 χ^2 /NDF: 8912.9/30

All: 7.071 $\pm$ 0.071 χ^2 /NDF: 17765.4/57

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.604 ± 0.416 χ^2/NDF : 2325.0/16

Left Out: 15.895 ± 0.160 χ^2/NDF : 2100.0/11

Right Out: 10.337 ± 0.416 χ^2/NDF : 2281.8/18

Left In: 18.686 ± 0.163 χ^2/NDF : 832.8/9

Left: 17.268 ± 0.114 χ^2/NDF : 3082.5/21

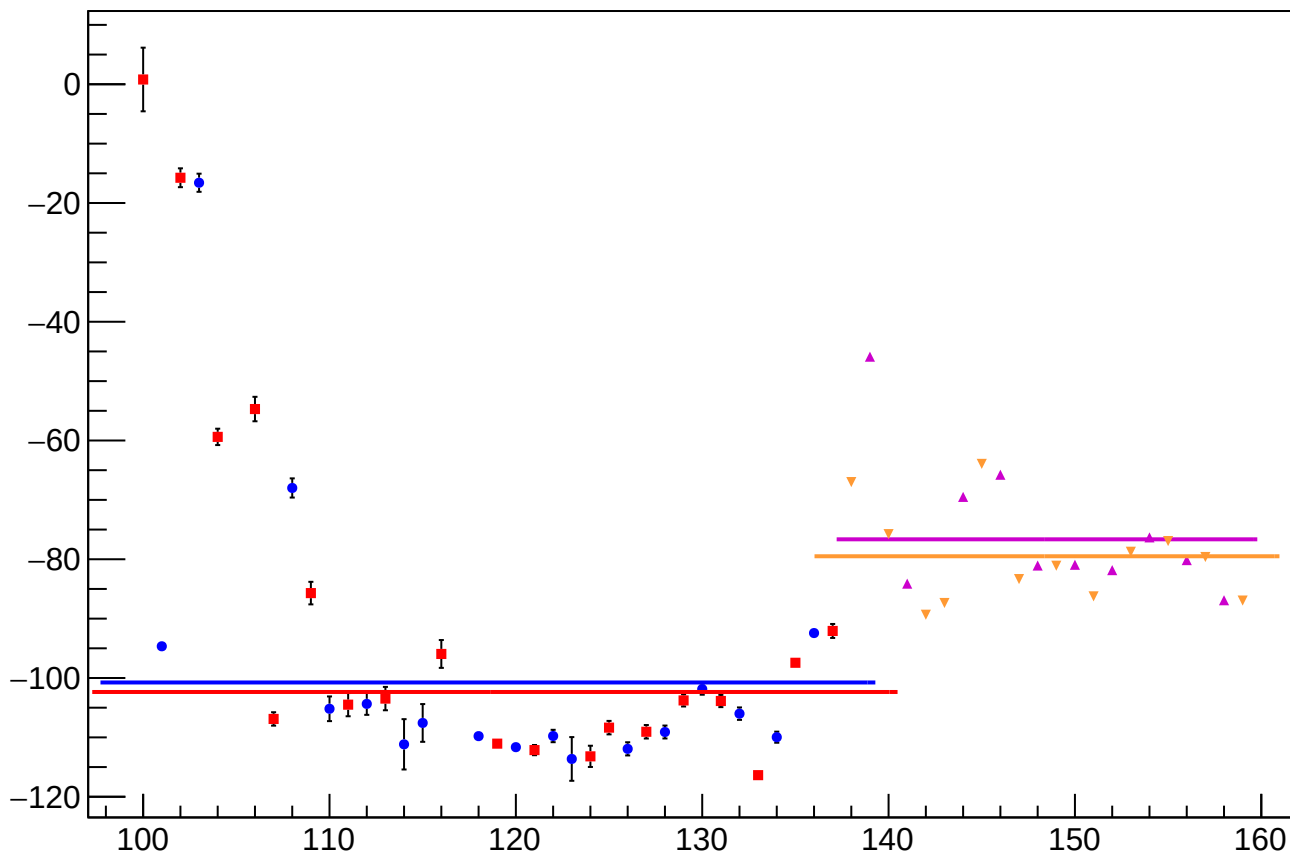
Right: 8.969 ± 0.294 χ^2/NDF : 4628.4/35

In: 17.216 ± 0.151 χ^2/NDF : 3774.0/26

Out: 15.180 ± 0.149 χ^2/NDF : 4537.1/30

All: 16.184 ± 0.106 χ^2/NDF : 8402.6/57

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.753 ± 0.248 χ^2/NDF : 4522.6/16

Left Out: -79.496 ± 0.134 χ^2/NDF : 3262.3/11

Right Out: -102.354 ± 0.246 χ^2/NDF : 6078.9/18

Left In: -76.643 ± 0.139 χ^2/NDF : 3936.2/9

Left: -78.117 ± 0.096 χ^2/NDF : 7417.6/21

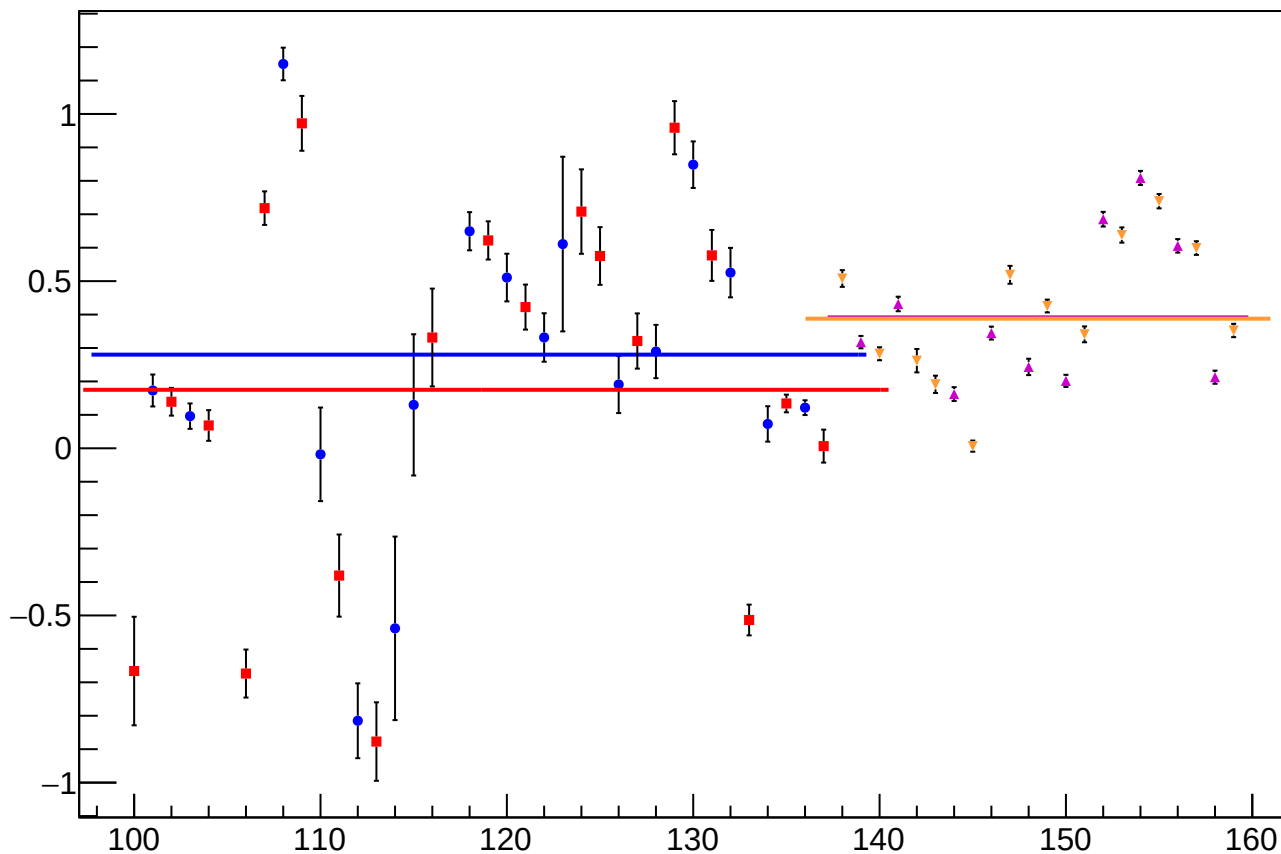
Right: -101.559 ± 0.175 χ^2/NDF : 10622.5/35

In: -82.376 ± 0.121 χ^2/NDF : 15661.8/26

Out: -84.721 ± 0.118 χ^2/NDF : 15989.3/30

All: -83.580 ± 0.084 χ^2/NDF : 31844.1/57

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: 0.388 ± 0.006 χ^2/NDF : 1173.9/11

Right Out: 0.175 ± 0.013 χ^2/NDF : 966.7/18

Left In: 0.392 ± 0.006 χ^2/NDF : 1059.7/9

Left: 0.390 ± 0.005 χ^2/NDF : 2233.8/21

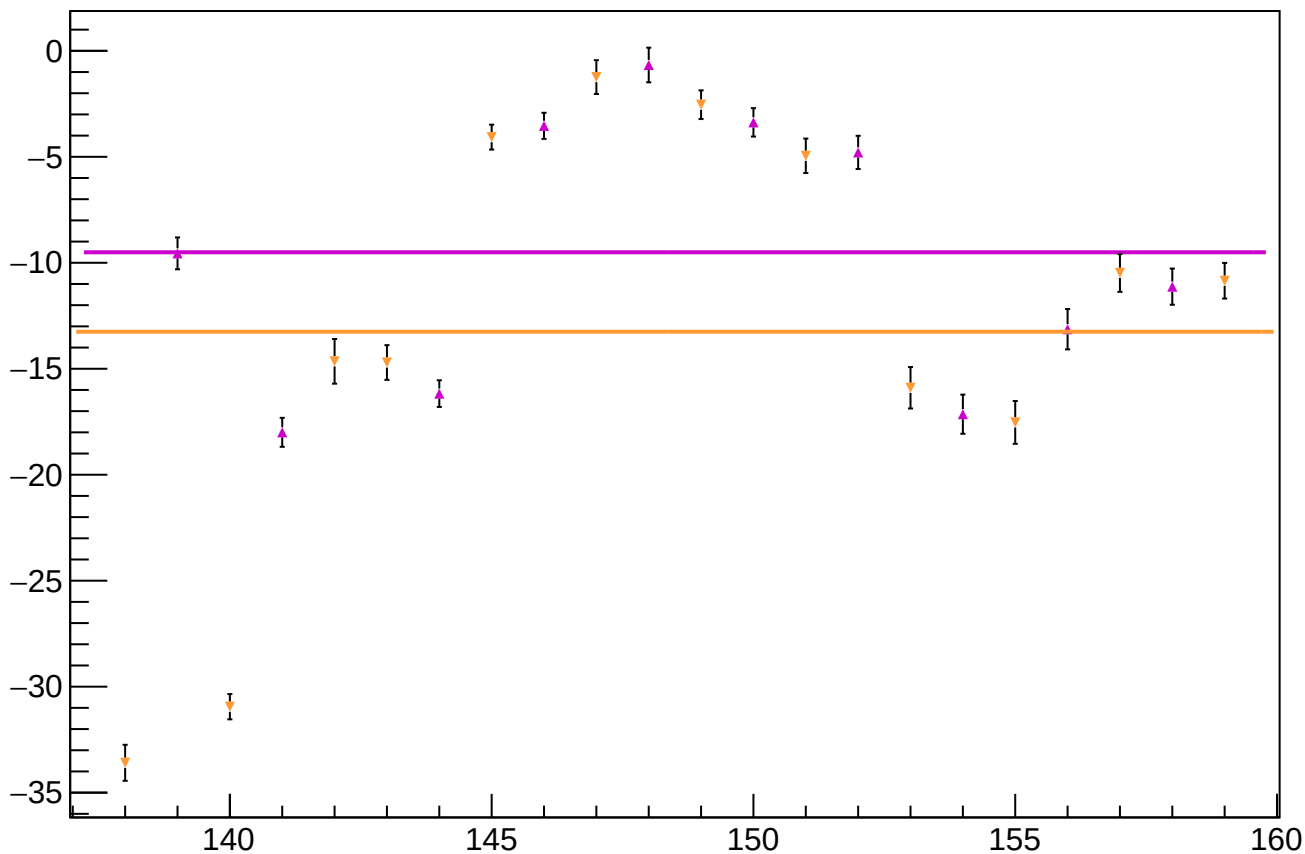
Right: 0.227 ± 0.010 χ^2/NDF : 1653.2/35

In: 0.371 ± 0.006 χ^2/NDF : 1771.4/26

Out: 0.349 ± 0.006 χ^2/NDF : 2345.7/30

All: 0.360 ± 0.004 χ^2/NDF : 4124.2/57

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.252+/-0.227 χ^2/NDF :2329.4/11

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

Left In: -9.505+/-0.235 χ^2/NDF :684.6/9

Left: -11.447+/-0.163 χ^2/NDF : 3145.7/21

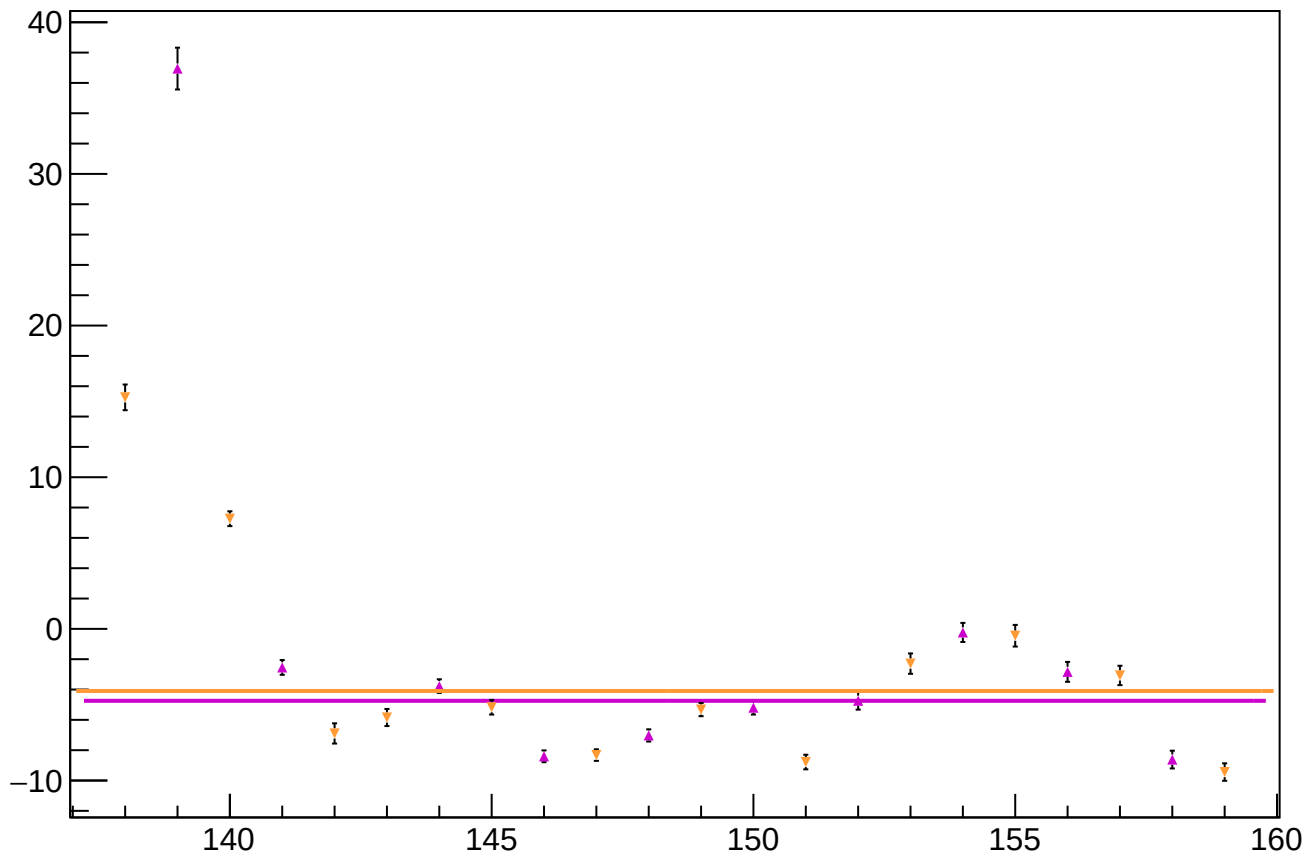
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -9.505+/-0.235 χ^2/NDF :684.6/9

Out: -13.252+/-0.227 χ^2/NDF :2329.4/11

All: -11.447+/-0.163 χ^2/NDF : 3145.7/21

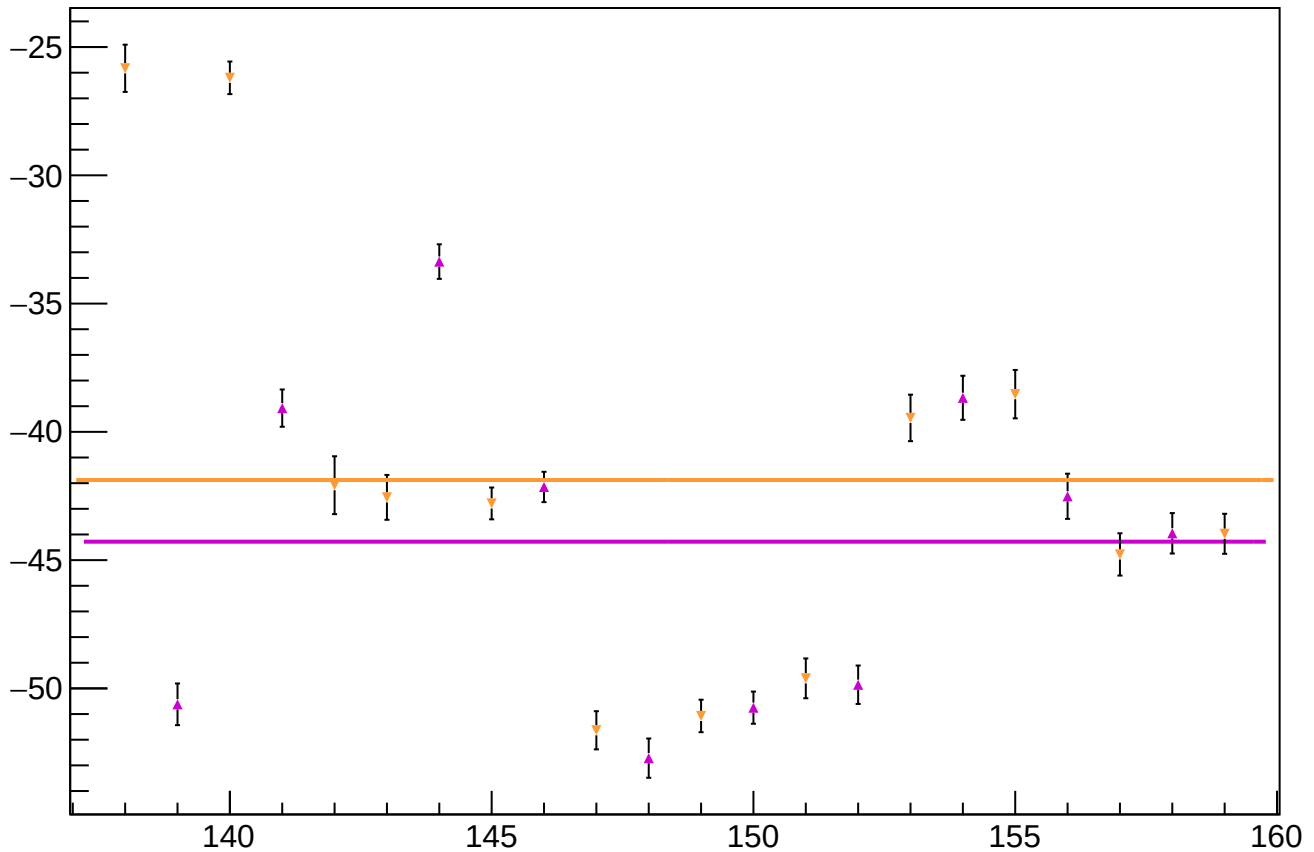
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -4.095+/-0.155 χ^2/NDF :1442.1/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.744+/-0.162 χ^2/NDF :1164.0/9

Left: -4.406+/-0.112 χ^2/NDF : 2614.4/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -4.744+/-0.162 χ^2/NDF :1164.0/9
 Out: -4.095+/-0.155 χ^2/NDF :1442.1/11
 All: -4.406+/-0.112 χ^2/NDF : 2614.4/21

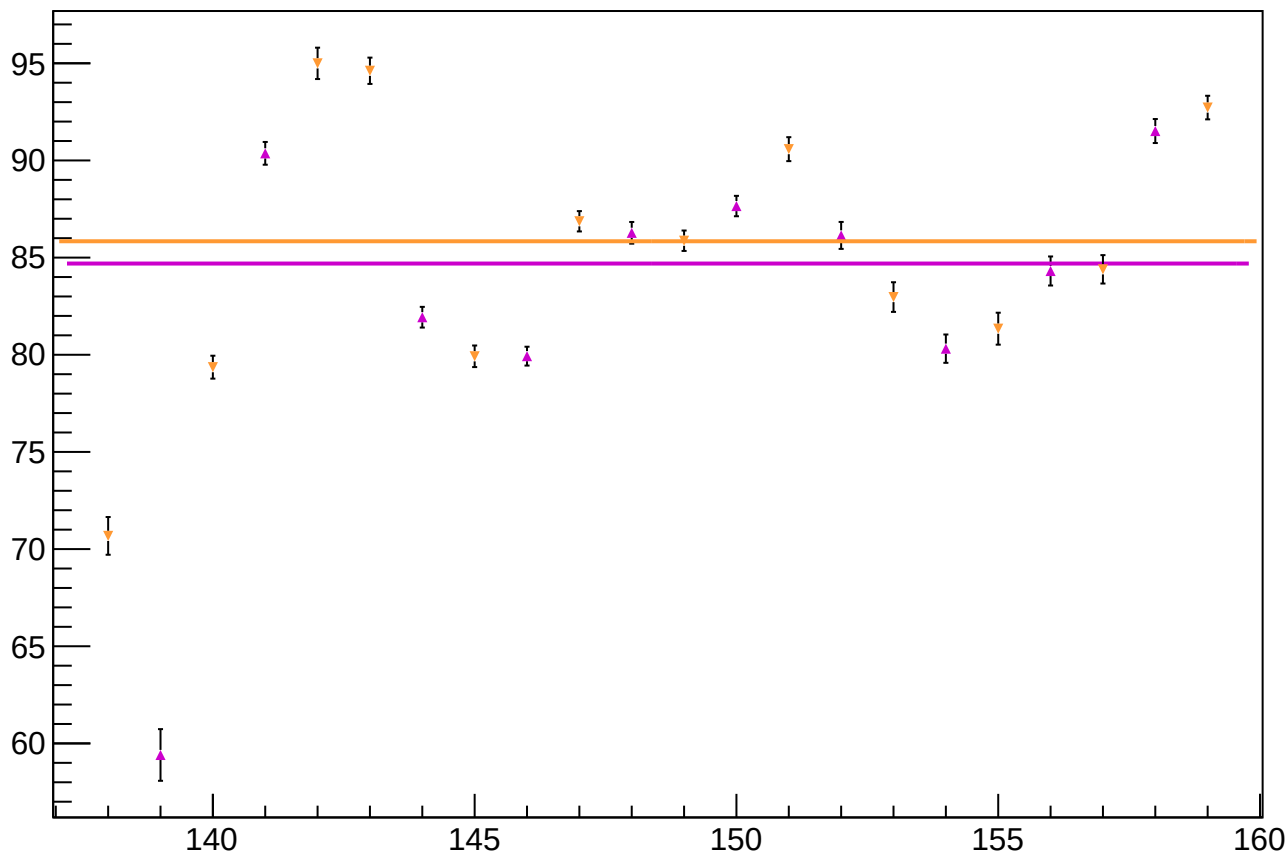
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -41.877+/-0.225 χ^2/NDF :1437.6/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -44.281+/-0.231 χ^2/NDF :718.2/9

Left: -43.047+/-0.161 χ^2/NDF : 2211.4/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -44.281+/-0.231 χ^2/NDF :718.2/9
 Out: -41.877+/-0.225 χ^2/NDF :1437.6/11
 All: -43.047+/-0.161 χ^2/NDF : 2211.4/21

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: 85.841+/-0.187 χ^2/NDF :1014.3/11

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

Left In: 84.694+/-0.194 χ^2/NDF :781.3/9

Left: 85.290+/-0.135 χ^2/NDF : 1813.7/21

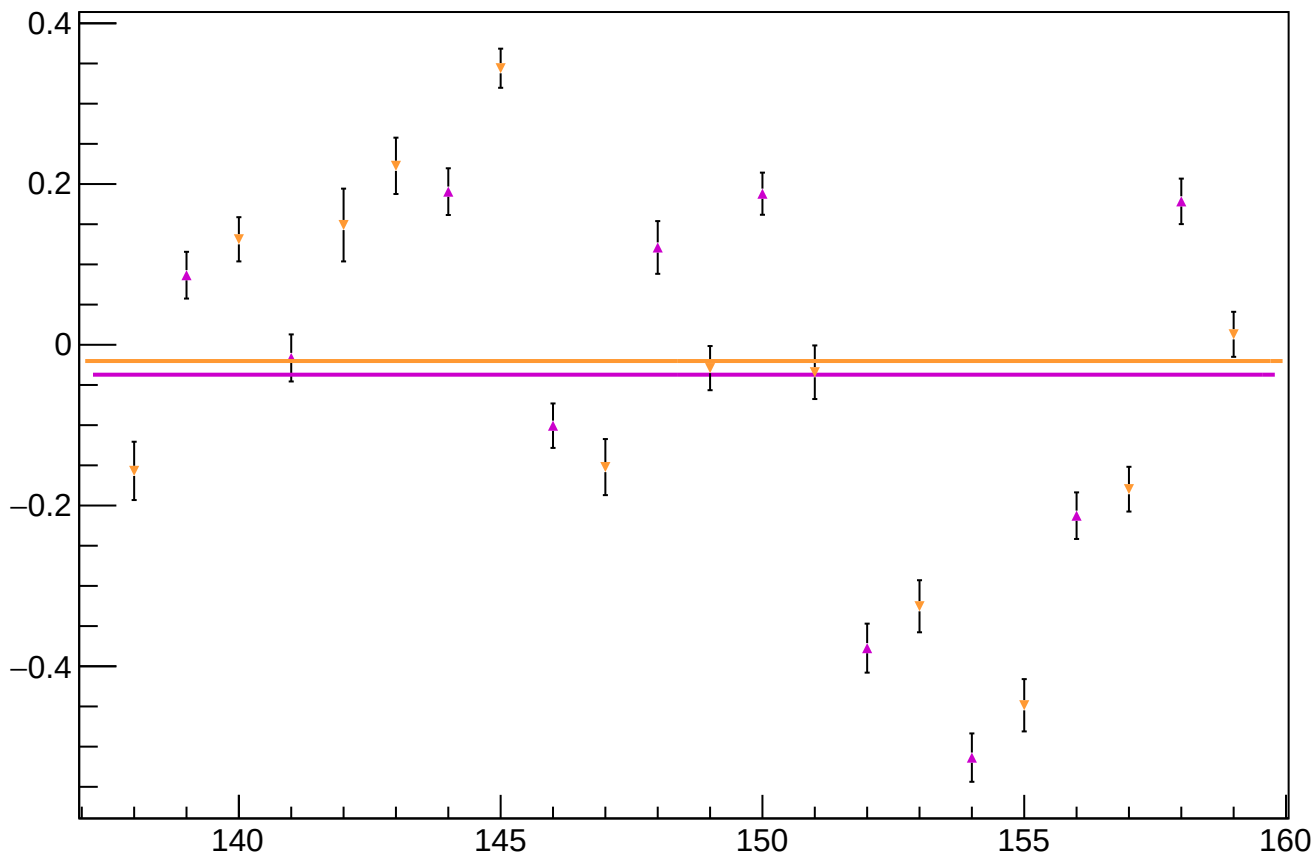
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 84.694+/-0.194 χ^2/NDF :781.3/9

Out: 85.841+/-0.187 χ^2/NDF :1014.3/11

All: 85.290+/-0.135 χ^2/NDF : 1813.7/21

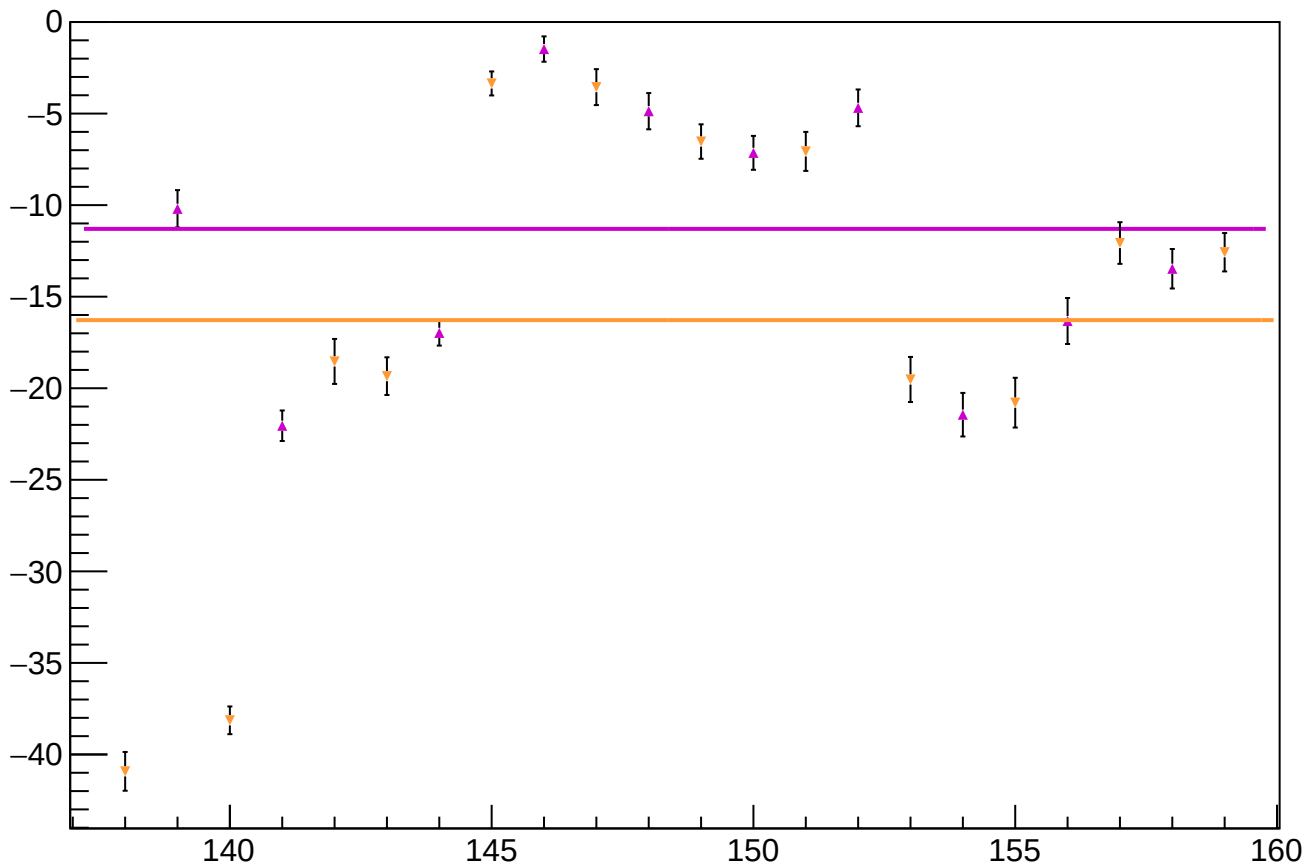
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.020+/-0.009 χ^2/NDF : 641.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.037+/-0.009 χ^2/NDF : 652.4/9

Left: -0.028+/-0.006 χ^2/NDF : 1295.4/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.037+/-0.009 χ^2/NDF : 652.4/9
 Out: -0.020+/-0.009 χ^2/NDF : 641.2/11
 All: -0.028+/-0.006 χ^2/NDF : 1295.4/21

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: -16.280 ± 0.283 χ^2/NDF : 2171.7/11
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -11.298 ± 0.289 χ^2/NDF : 634.5/9

Left: -13.846 ± 0.202 χ^2/NDF : 2957.9/21

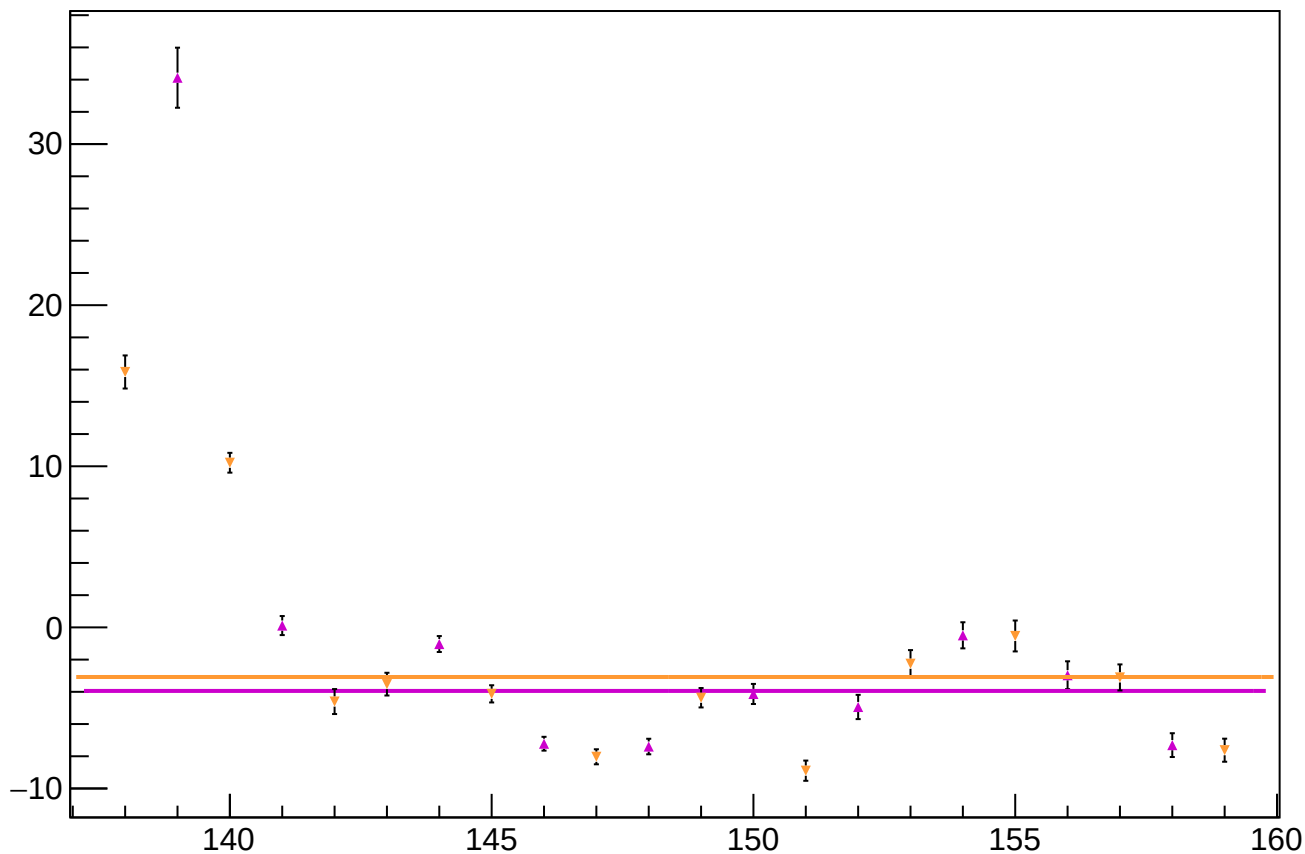
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -11.298 ± 0.289 χ^2/NDF : 634.5/9

Out: -16.280 ± 0.283 χ^2/NDF : 2171.7/11

All: -13.846 ± 0.202 χ^2/NDF : 2957.9/21

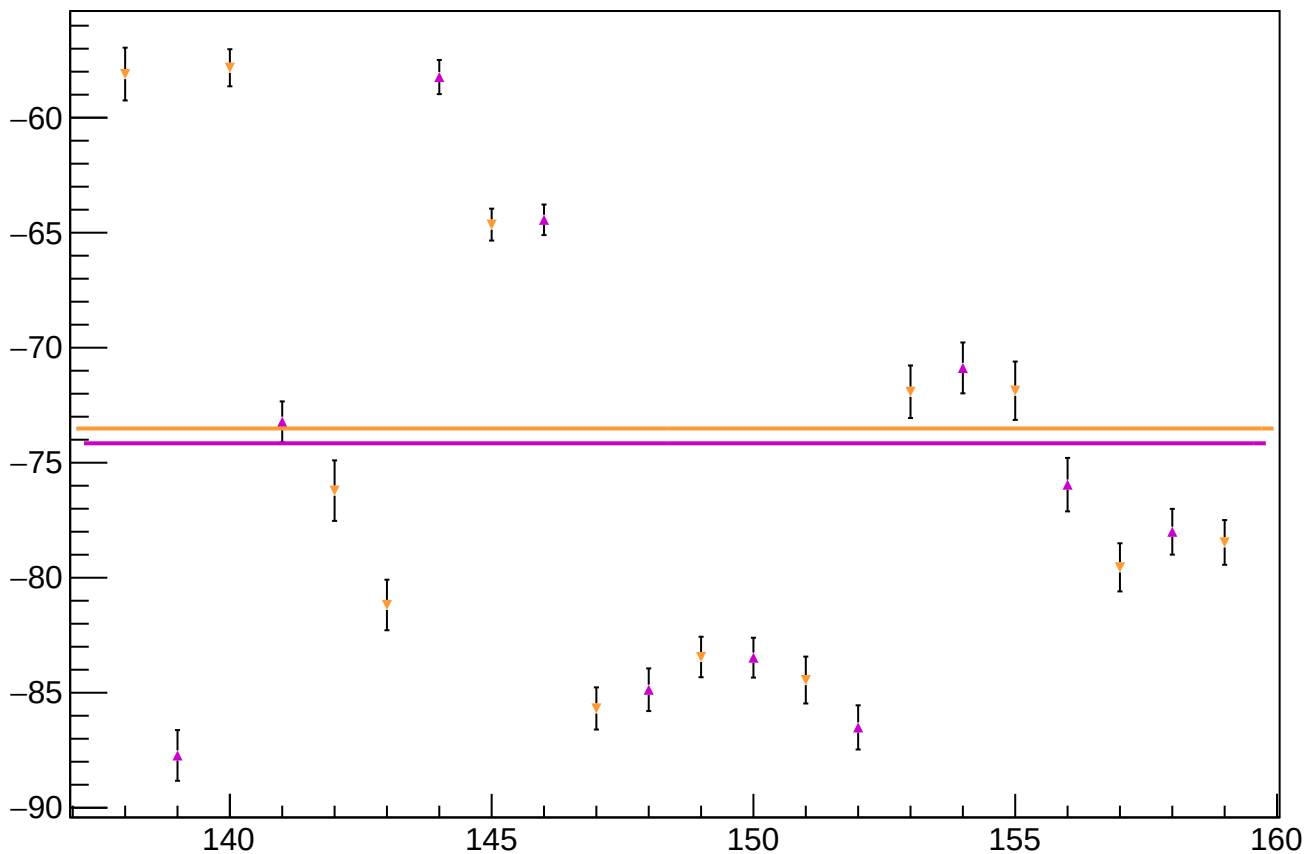
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.080+/-0.194 χ^2/NDF :1067.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.945+/-0.196 χ^2/NDF :649.9/9

Left: -3.507+/-0.138 χ^2/NDF : 1727.5/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.945+/-0.196 χ^2/NDF :649.9/9
 Out: -3.080+/-0.194 χ^2/NDF :1067.8/11
 All: -3.507+/-0.138 χ^2/NDF : 1727.5/21

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: -73.513+/-0.282 χ^2/NDF :1256.7/11

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

Left In: -74.156+/-0.285 χ^2/NDF :1265.6/9

Left: -73.831+/-0.200 χ^2/NDF : 2524.9/21

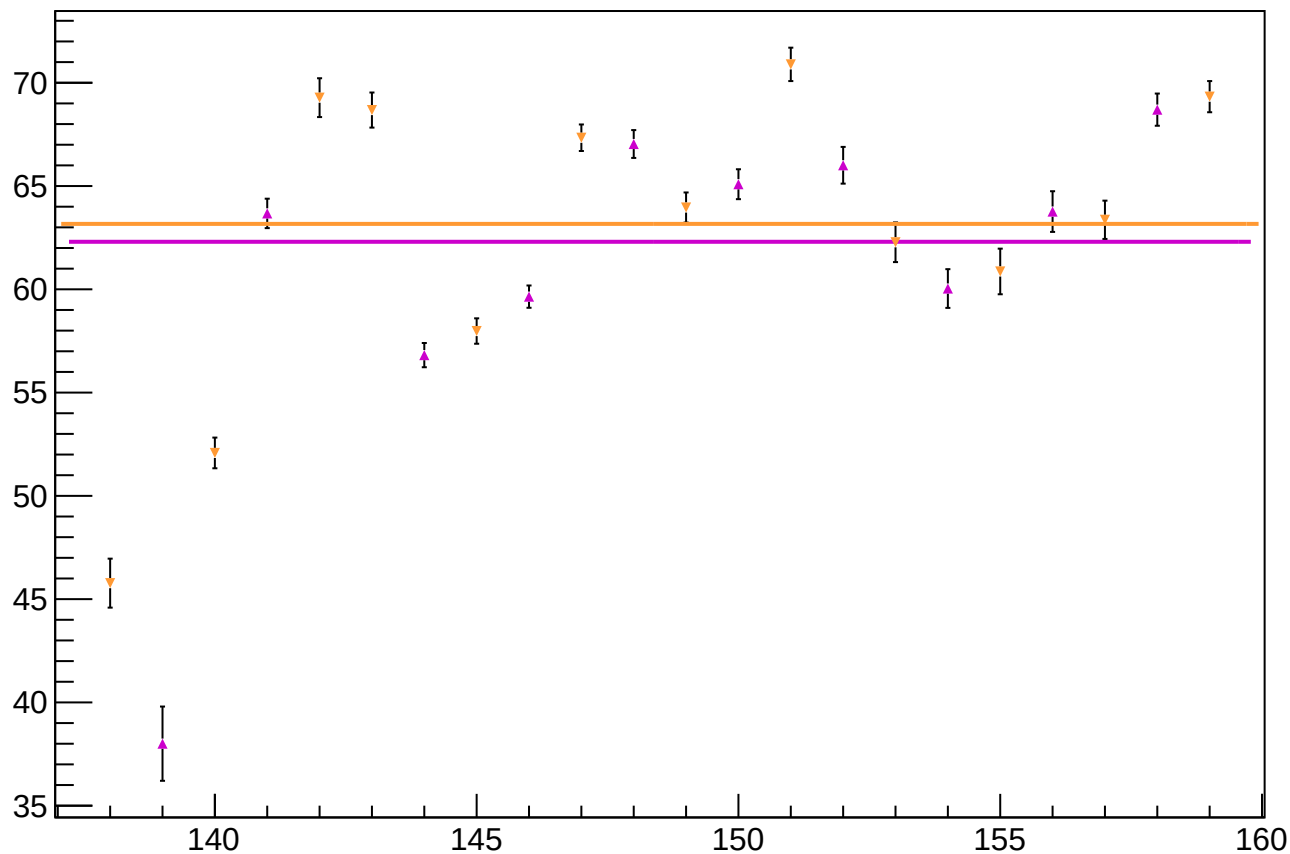
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -74.156+/-0.285 χ^2/NDF :1265.6/9

Out: -73.513+/-0.282 χ^2/NDF :1256.7/11

All: -73.831+/-0.200 χ^2/NDF : 2524.9/21

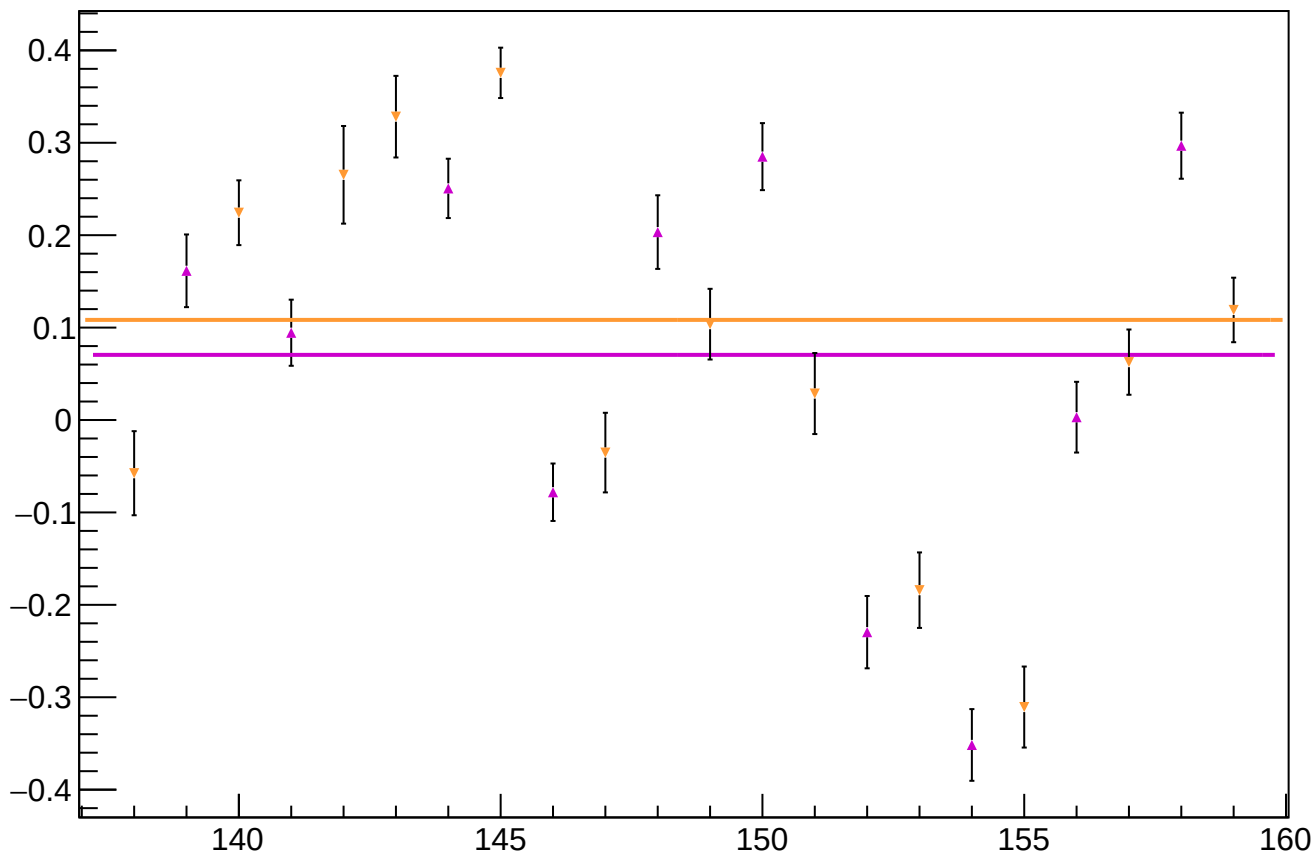
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 63.167+/-0.233 χ^2/NDF :800.0/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 62.301+/-0.237 χ^2/NDF :455.0/9

Left: 62.741+/-0.166 χ^2/NDF : 1261.8/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 62.301+/-0.237 χ^2/NDF :455.0/9
 Out: 63.167+/-0.233 χ^2/NDF :800.0/11
 All: 62.741+/-0.166 χ^2/NDF : 1261.8/21

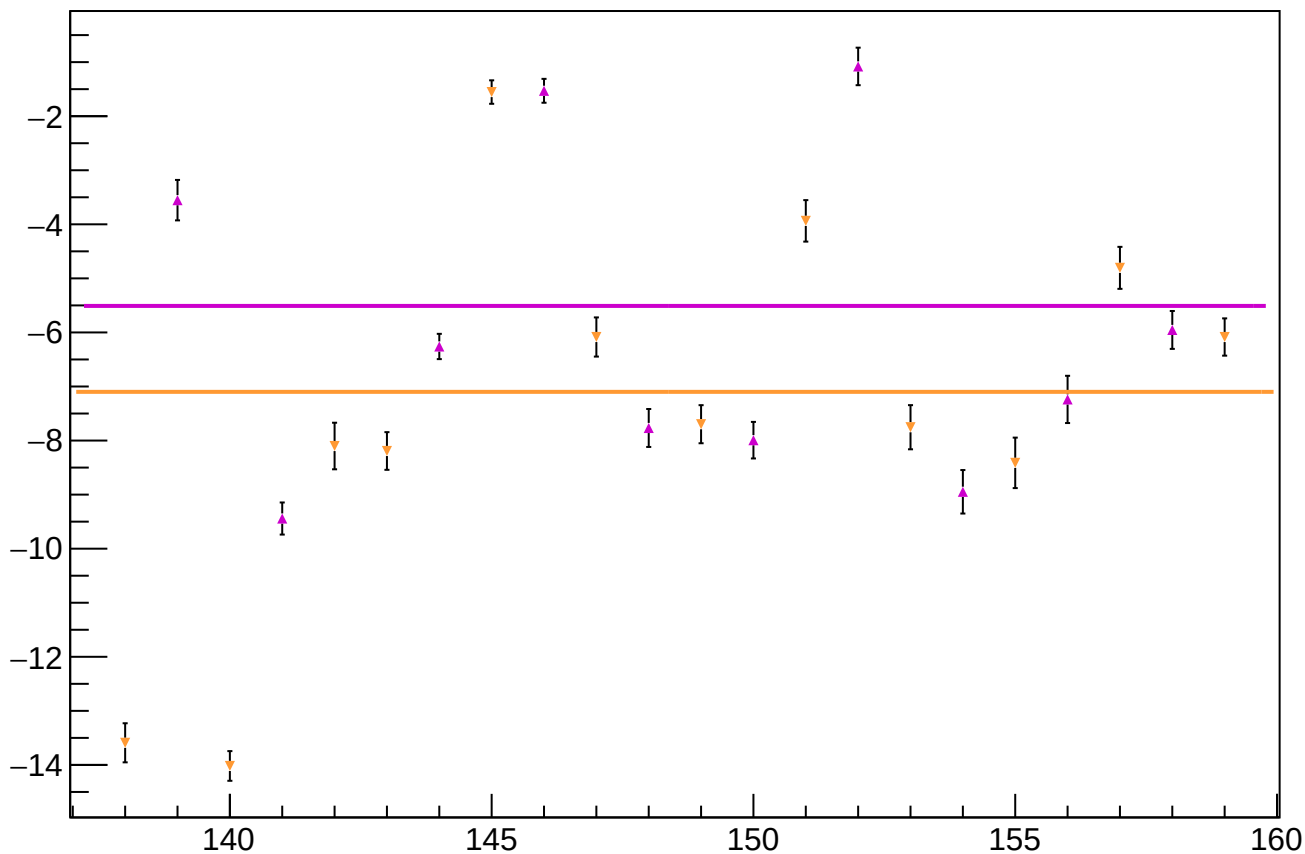
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.108 $\pm$ 0.011 χ^2 /NDF:312.9/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.070 $\pm$ 0.011 χ^2 /NDF:326.7/9

Left: 0.090 $\pm$ 0.008 χ^2 /NDF: 645.2/21
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.070 $\pm$ 0.011 χ^2 /NDF:326.7/9
 Out: 0.108 $\pm$ 0.011 χ^2 /NDF:312.9/11
 All: 0.090 $\pm$ 0.008 χ^2 /NDF: 645.2/21

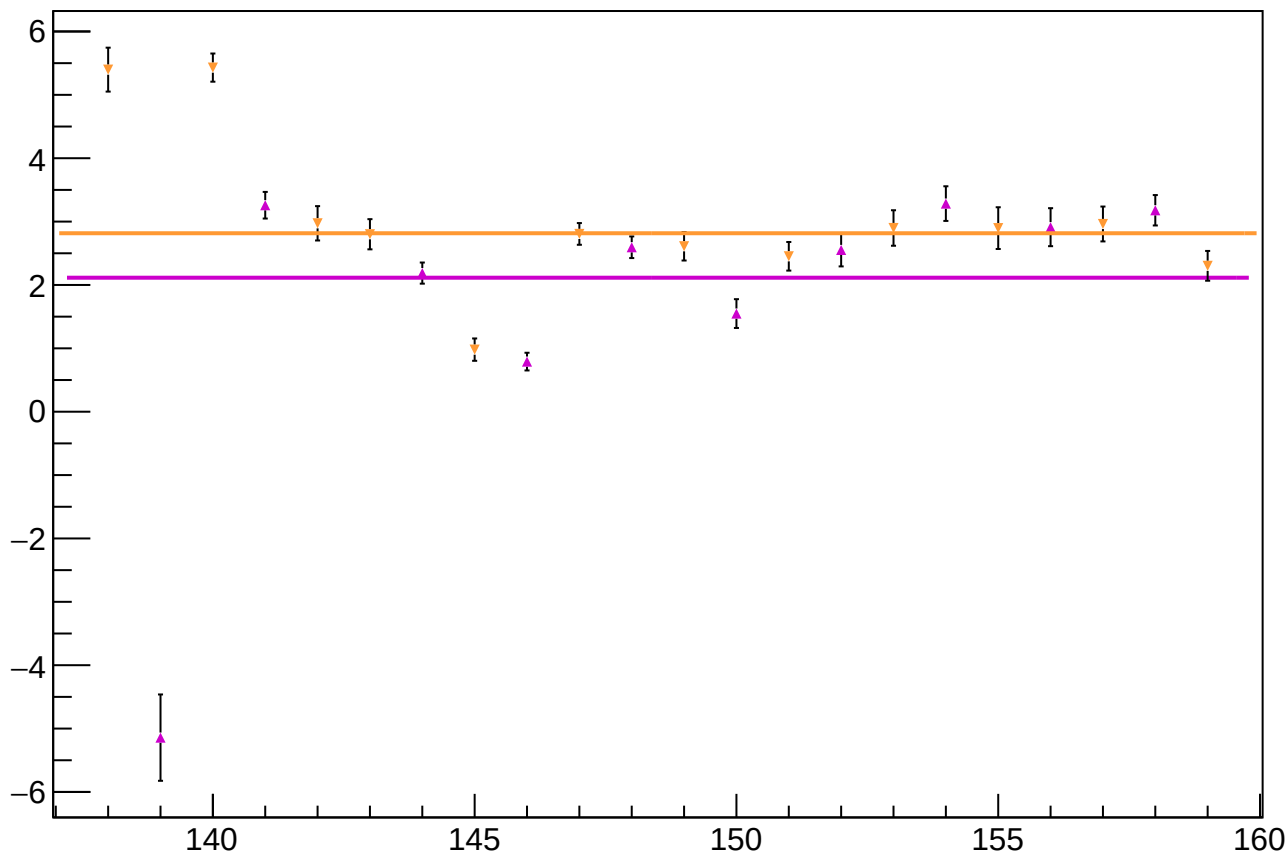
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.099 $\pm$ 0.098 χ^2 /NDF:1758.4/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.509 $\pm$ 0.099 χ^2 /NDF:886.2/9

Left: -6.311 $\pm$ 0.070 χ^2 /NDF: 2774.5/21
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -5.509 $\pm$ 0.099 χ^2 /NDF:886.2/9
 Out: -7.099 $\pm$ 0.098 χ^2 /NDF:1758.4/11
 All: -6.311 $\pm$ 0.070 χ^2 /NDF: 2774.5/21

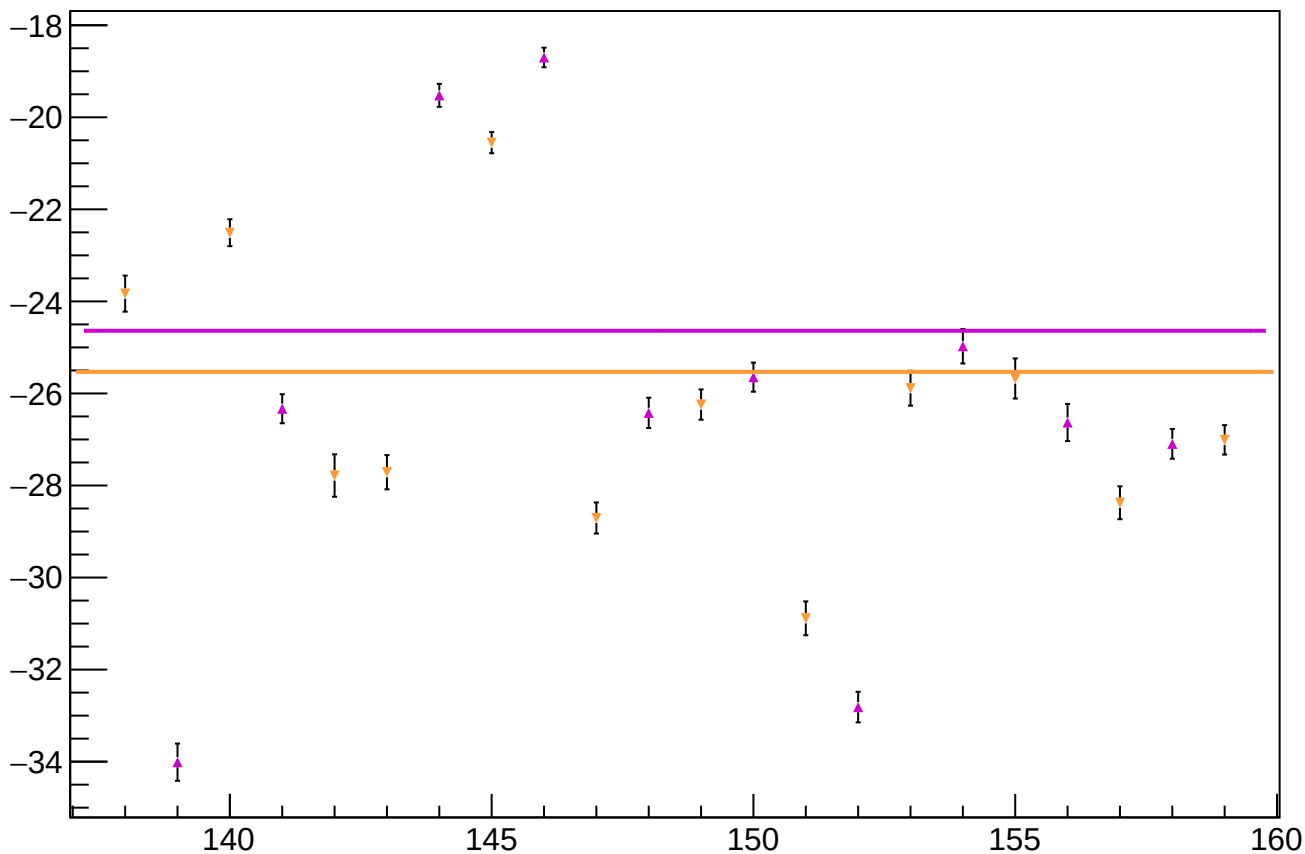
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.816+/-0.068 χ^2/NDF :311.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.114+/-0.067 χ^2/NDF :295.3/9

Left: 2.462+/-0.048 χ^2/NDF : 660.8/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 2.114+/-0.067 χ^2/NDF :295.3/9
 Out: 2.816+/-0.068 χ^2/NDF :311.2/11
 All: 2.462+/-0.048 χ^2/NDF : 660.8/21

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: -25.530+/-0.098 χ^2/NDF :1042.1/11

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

Left In: -24.638+/-0.097 χ^2/NDF :2491.9/9

Left: -25.082+/-0.069 χ^2/NDF : 3575.6/21

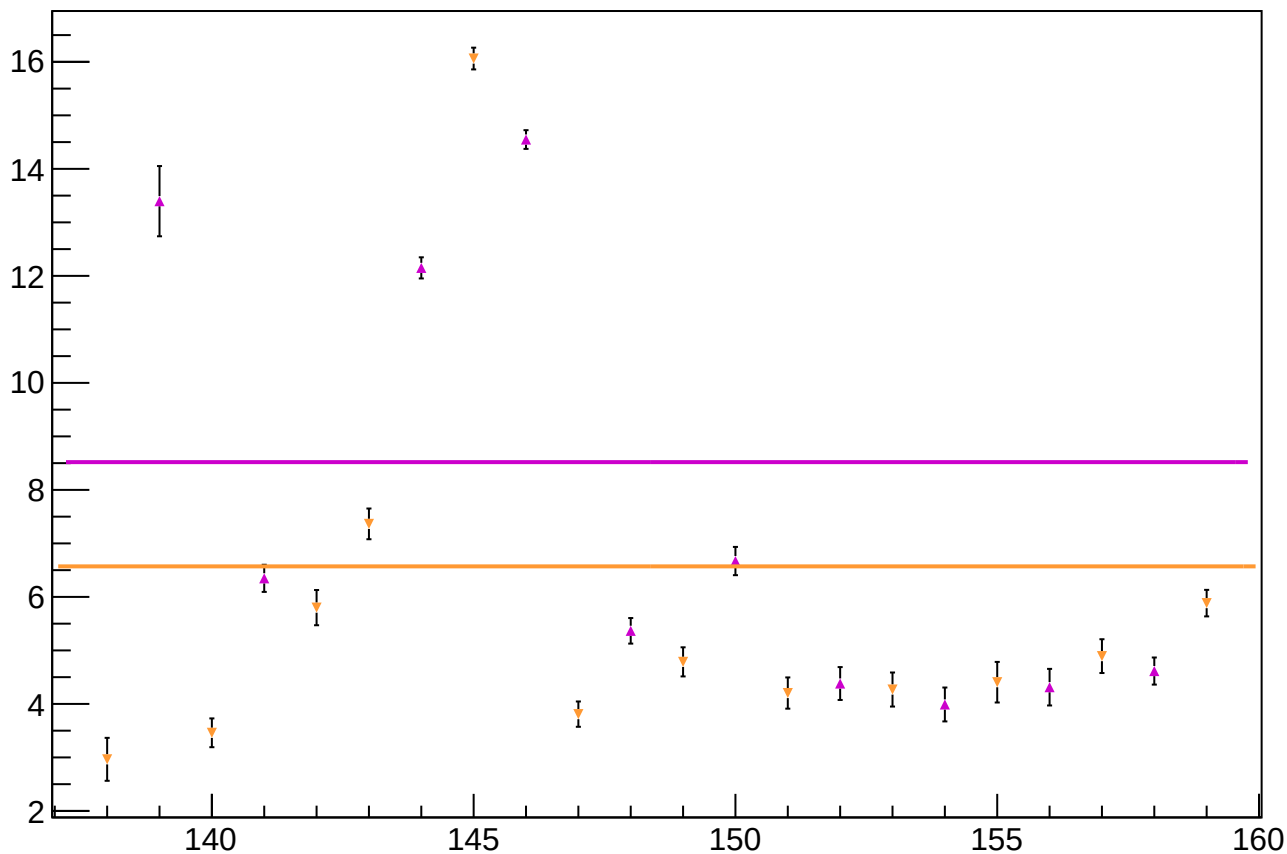
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.638+/-0.097 χ^2/NDF :2491.9/9

Out: -25.530+/-0.098 χ^2/NDF :1042.1/11

All: -25.082+/-0.069 χ^2/NDF : 3575.6/21

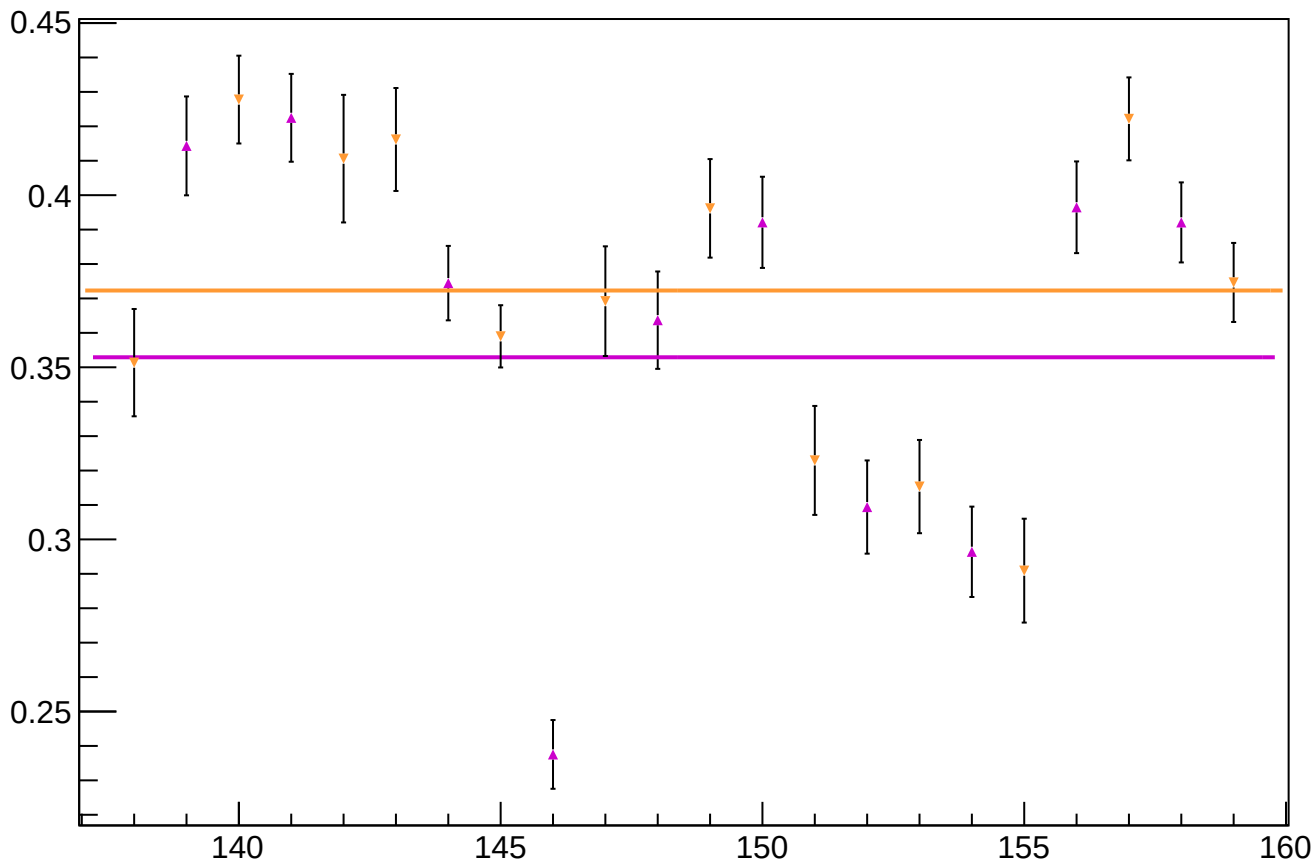
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.571+/-0.081 χ^2/NDF :2774.9/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.519+/-0.081 χ^2/NDF :2652.5/9

Left: 7.548+/-0.057 χ^2/NDF : 5716.5/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.519+/-0.081 χ^2/NDF :2652.5/9
 Out: 6.571+/-0.081 χ^2/NDF :2774.9/11
 All: 7.548+/-0.057 χ^2/NDF : 5716.5/21

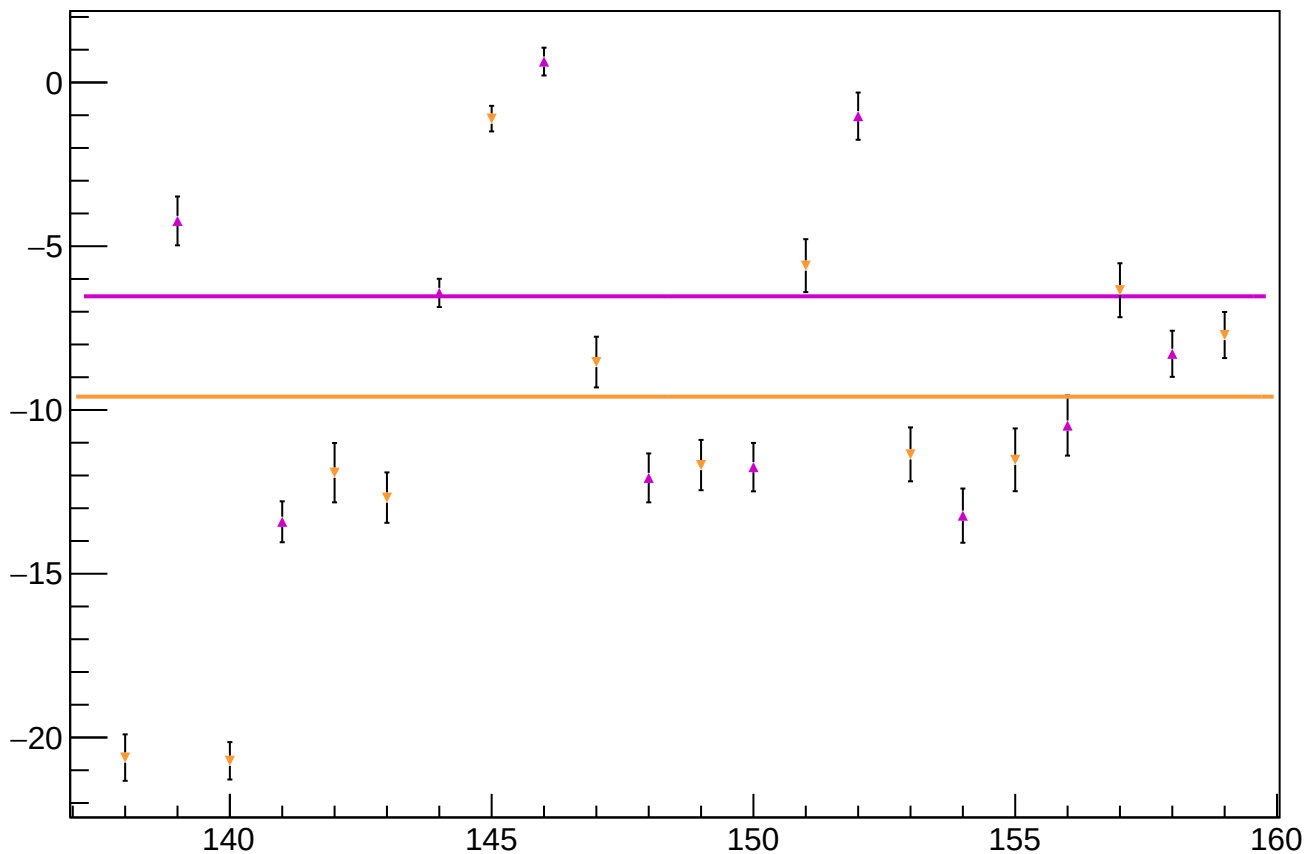
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.372 $\pm$ 0.004 χ^2 /NDF:112.3/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.353 $\pm$ 0.004 χ^2 /NDF:245.6/9

Left: 0.363 $\pm$ 0.003 χ^2 /NDF: 370.3/21
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.353 $\pm$ 0.004 χ^2 /NDF:245.6/9
 Out: 0.372 $\pm$ 0.004 χ^2 /NDF:112.3/11
 All: 0.363 $\pm$ 0.003 χ^2 /NDF: 370.3/21

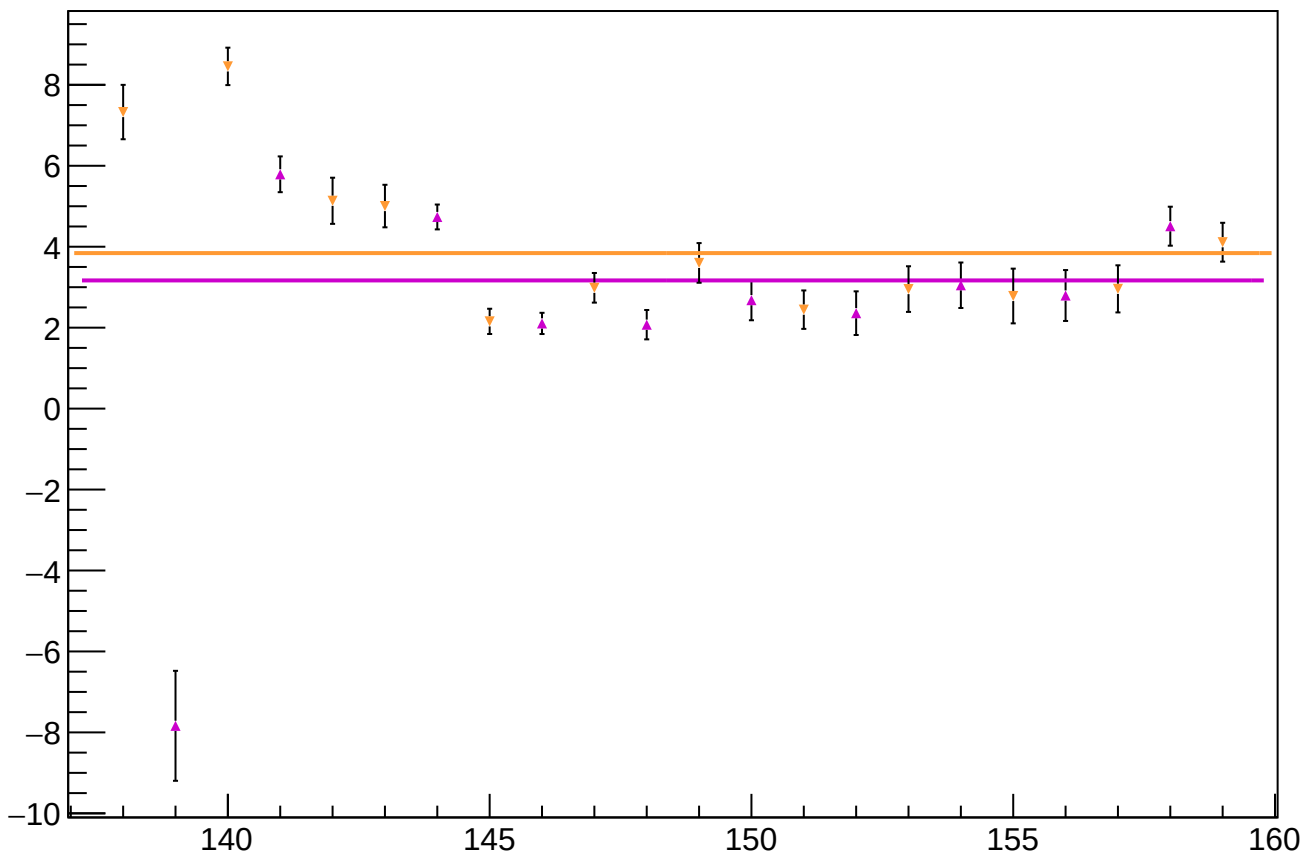
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.593+/-0.198 χ^2/NDF :1181.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.530+/-0.198 χ^2/NDF :669.7/9

Left: -8.061+/-0.140 χ^2/NDF : 1971.2/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.530+/-0.198 χ^2/NDF :669.7/9
 Out: -9.593+/-0.198 χ^2/NDF :1181.8/11
 All: -8.061+/-0.140 χ^2/NDF : 1971.2/21

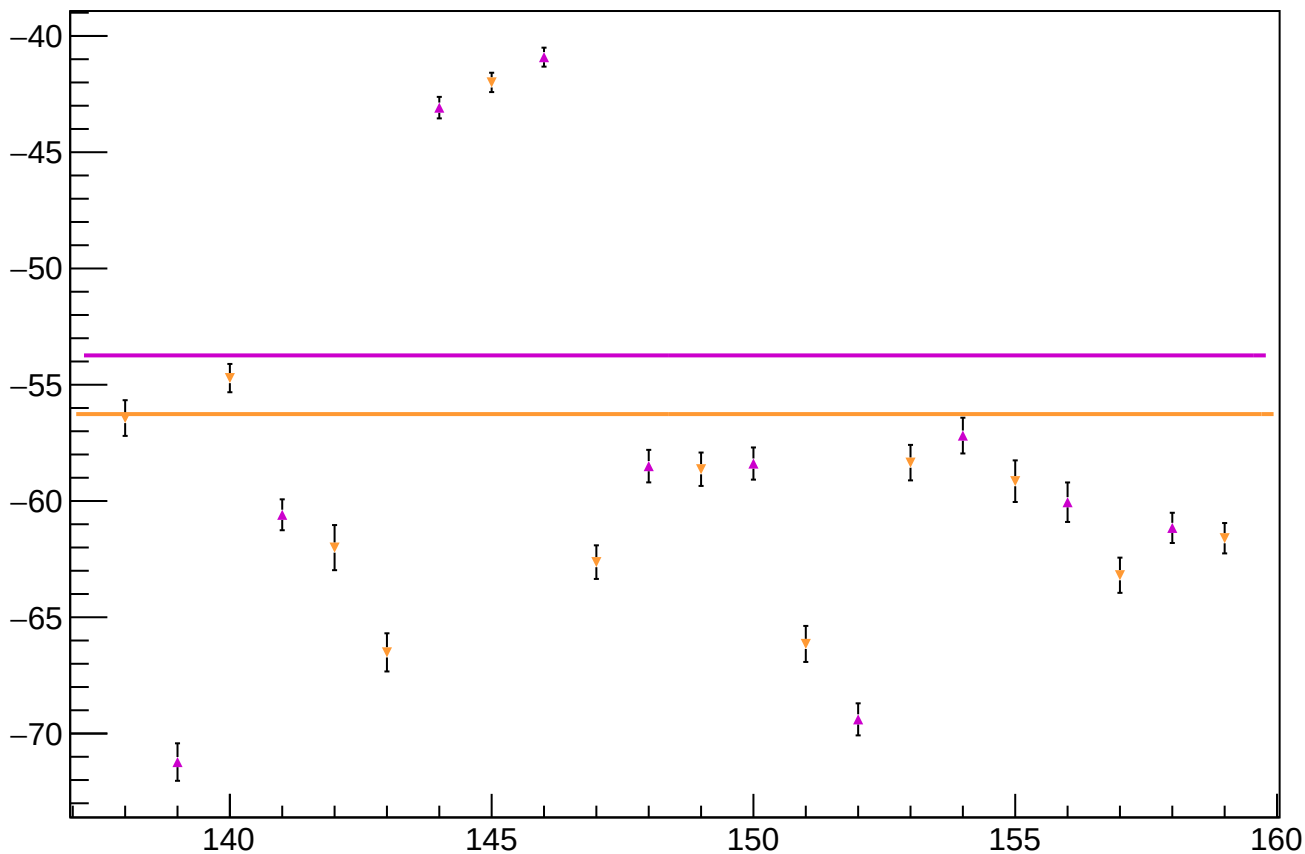
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.843+/-0.138 χ^2/NDF :187.7/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.167+/-0.134 χ^2/NDF :163.7/9

Left: 3.494+/-0.096 χ^2/NDF : 363.8/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.167+/-0.134 χ^2/NDF :163.7/9
 Out: 3.843+/-0.138 χ^2/NDF :187.7/11
 All: 3.494+/-0.096 χ^2/NDF : 363.8/21

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -56.262 ± 0.199 $\chi^2/\text{NDF}: 1793.6/11$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -53.738 ± 0.195 $\chi^2/\text{NDF}: 2909.9/9$

Left: -54.979 ± 0.139 $\chi^2/\text{NDF}: 4785.4/21$

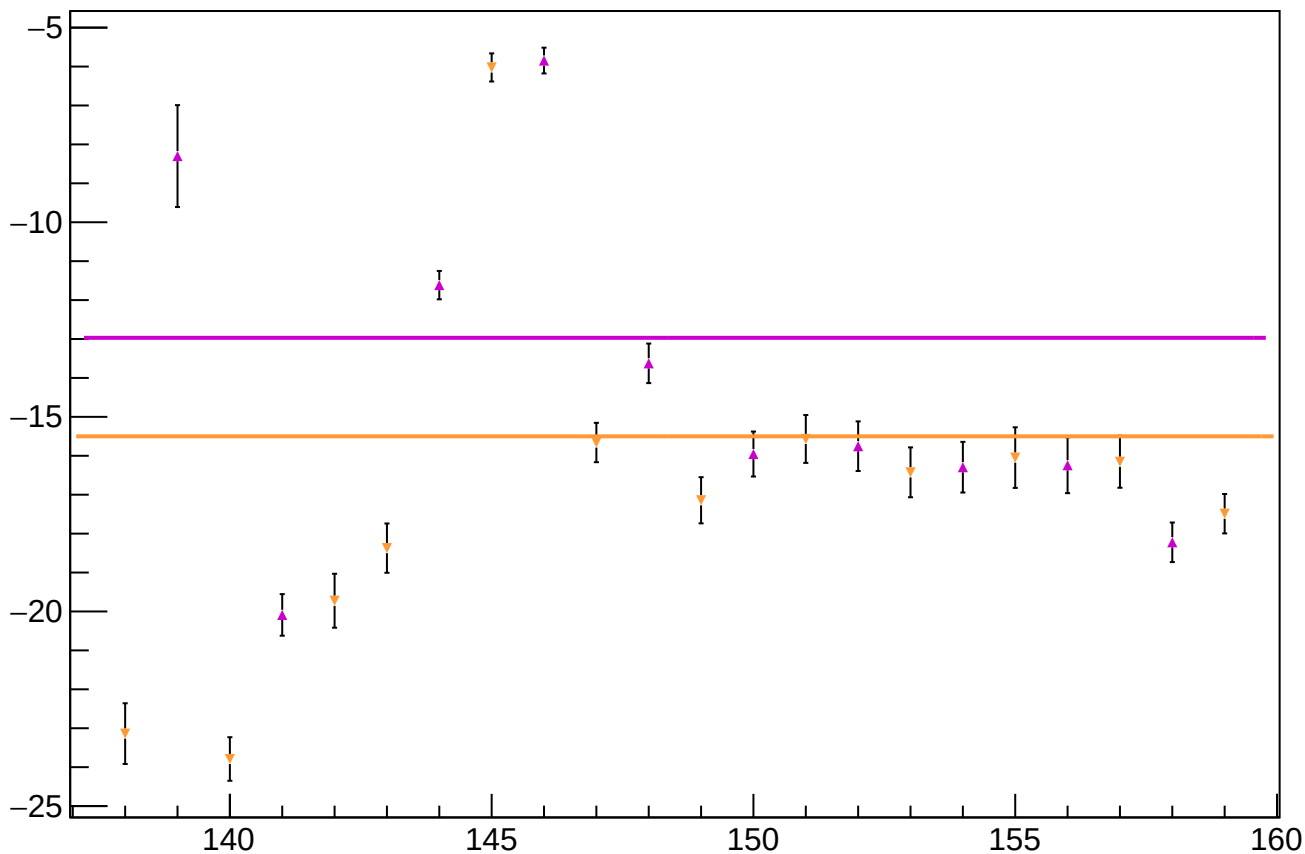
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -53.738 ± 0.195 $\chi^2/\text{NDF}: 2909.9/9$

Out: -56.262 ± 0.199 $\chi^2/\text{NDF}: 1793.6/11$

All: -54.979 ± 0.139 $\chi^2/\text{NDF}: 4785.4/21$

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -15.501+/-0.165 χ^2/NDF :1089.3/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -12.969+/-0.162 χ^2/NDF :868.2/9

Left: -14.209+/-0.116 χ^2/NDF : 2077.6/21

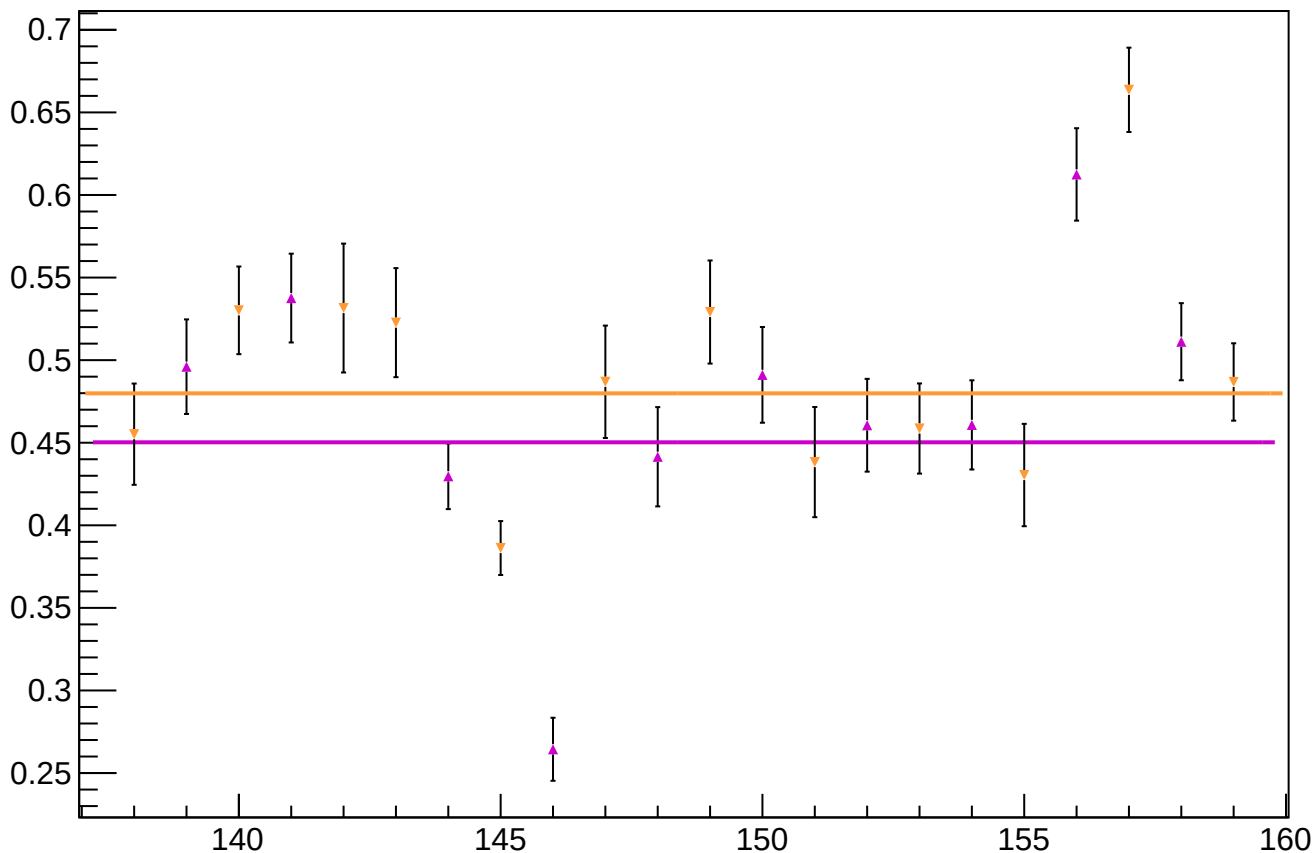
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.969+/-0.162 χ^2/NDF :868.2/9

Out: -15.501+/-0.165 χ^2/NDF :1089.3/11

All: -14.209+/-0.116 χ^2/NDF : 2077.6/21

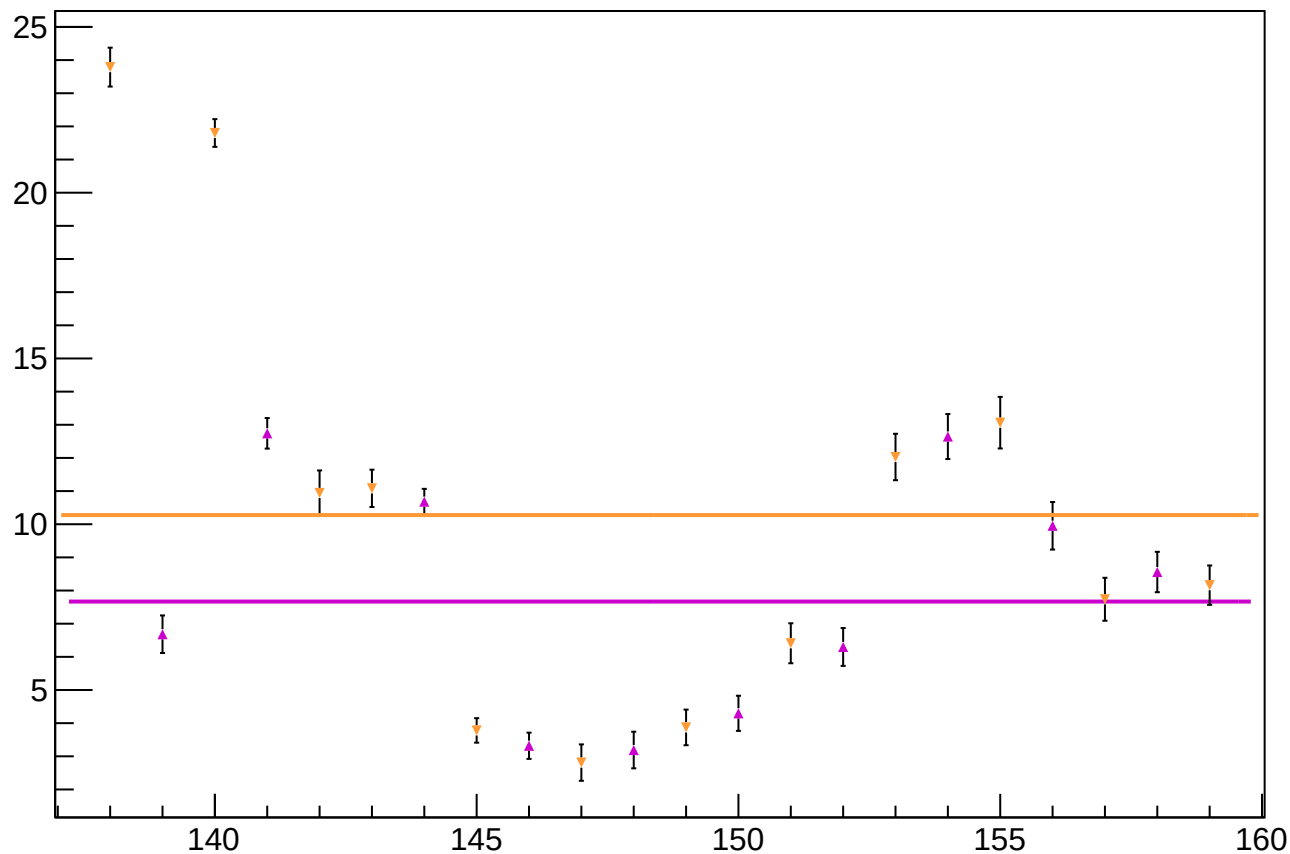
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.480 $\pm$ 0.008 χ^2 /NDF:99.8/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.450 $\pm$ 0.008 χ^2 /NDF:151.8/9

Left: 0.465 $\pm$ 0.006 χ^2 /NDF: 258.6/21
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.450 $\pm$ 0.008 χ^2 /NDF:151.8/9
 Out: 0.480 $\pm$ 0.008 χ^2 /NDF:99.8/11
 All: 0.465 $\pm$ 0.006 χ^2 /NDF: 258.6/21

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: 10.277+/-0.159 χ^2/NDF :2017.0/11

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

Left In: 7.668+/-0.163 χ^2/NDF :483.9/9

Left: 9.007+/-0.114 χ^2/NDF : 2632.4/21

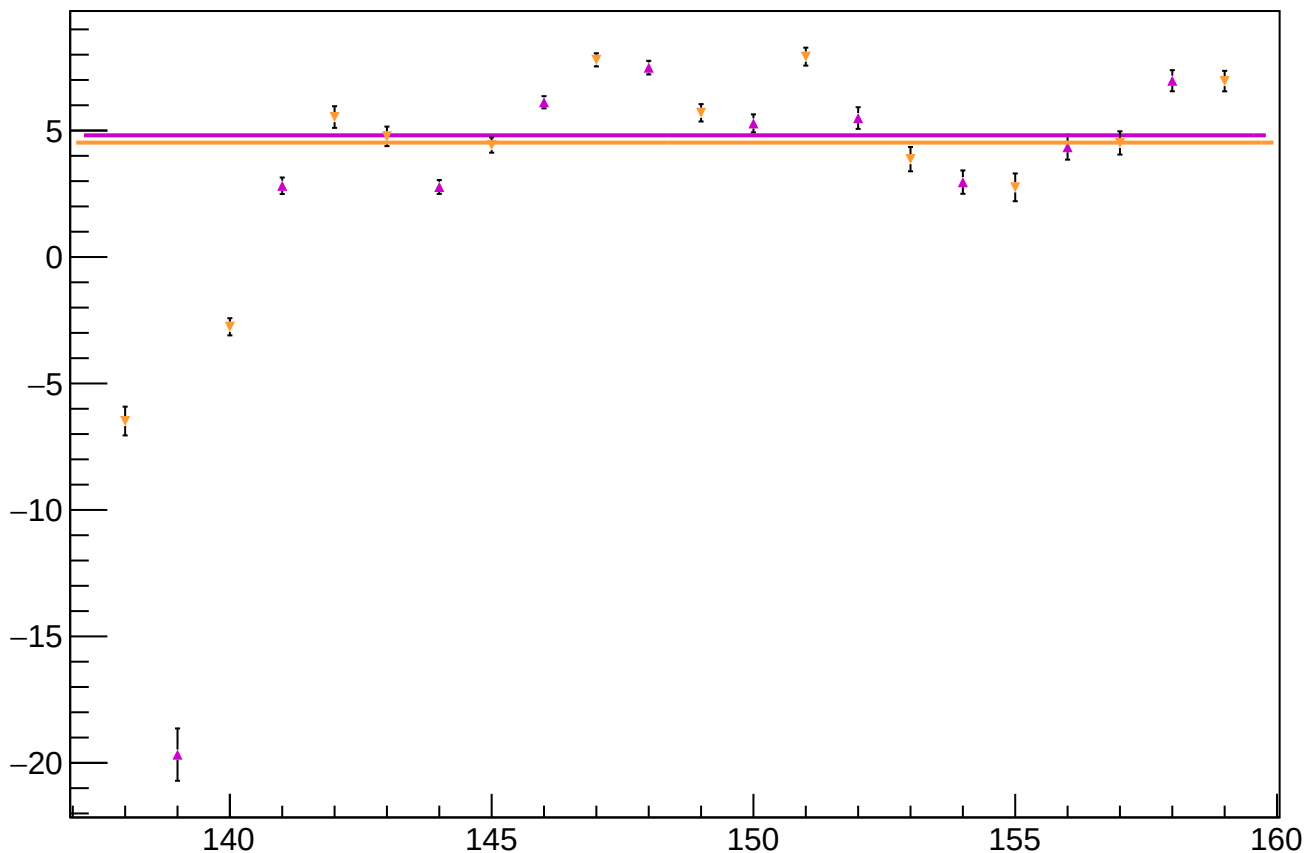
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 7.668+/-0.163 χ^2/NDF :483.9/9

Out: 10.277+/-0.159 χ^2/NDF :2017.0/11

All: 9.007+/-0.114 χ^2/NDF : 2632.4/21

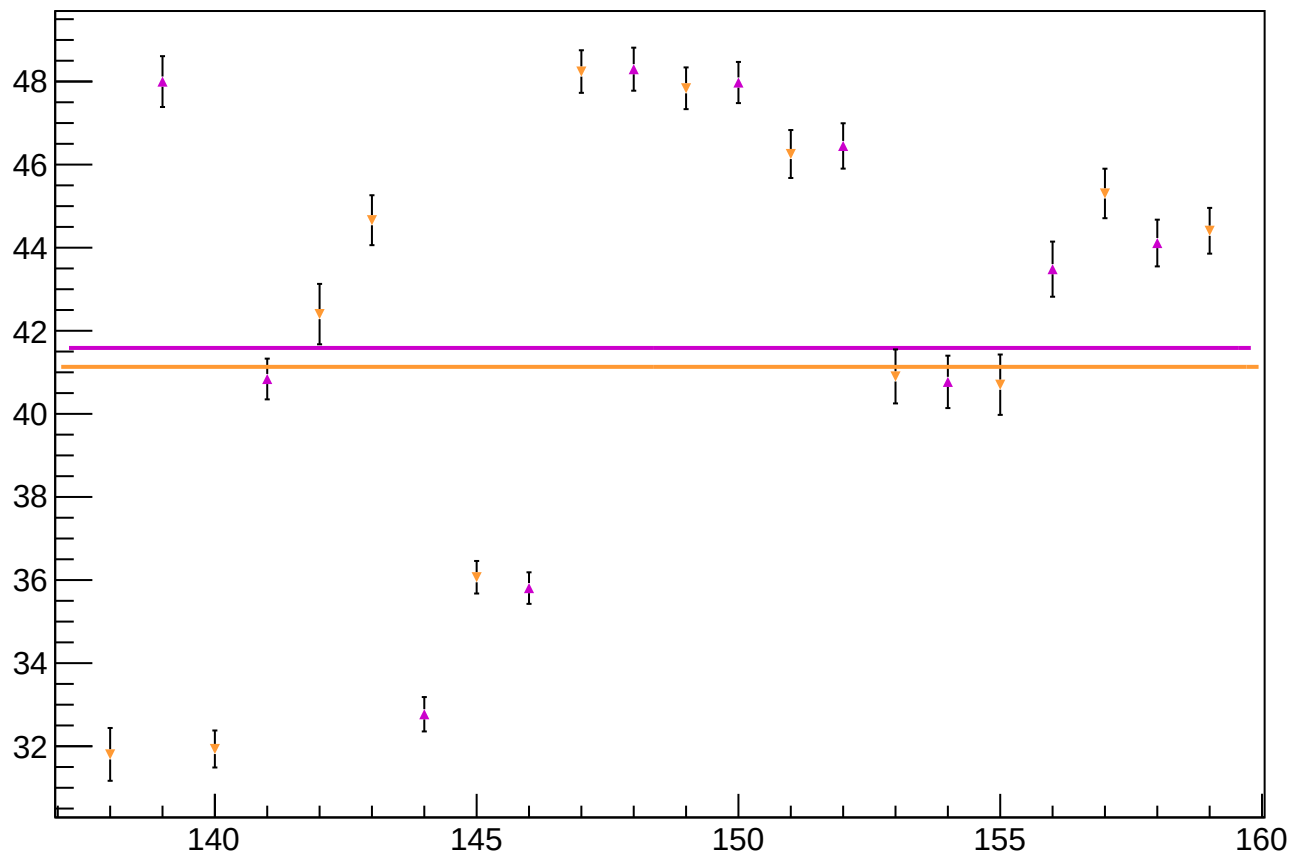
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 4.524 $\pm$ 0.109 χ^2/NDF :1149.2/11
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 4.812 $\pm$ 0.110 χ^2/NDF :827.5/9

Left: 4.666 $\pm$ 0.077 χ^2/NDF : 1980.1/21
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 4.812 $\pm$ 0.110 χ^2/NDF :827.5/9
 Out: 4.524 $\pm$ 0.109 χ^2/NDF :1149.2/11
 All: 4.666 $\pm$ 0.077 χ^2/NDF : 1980.1/21

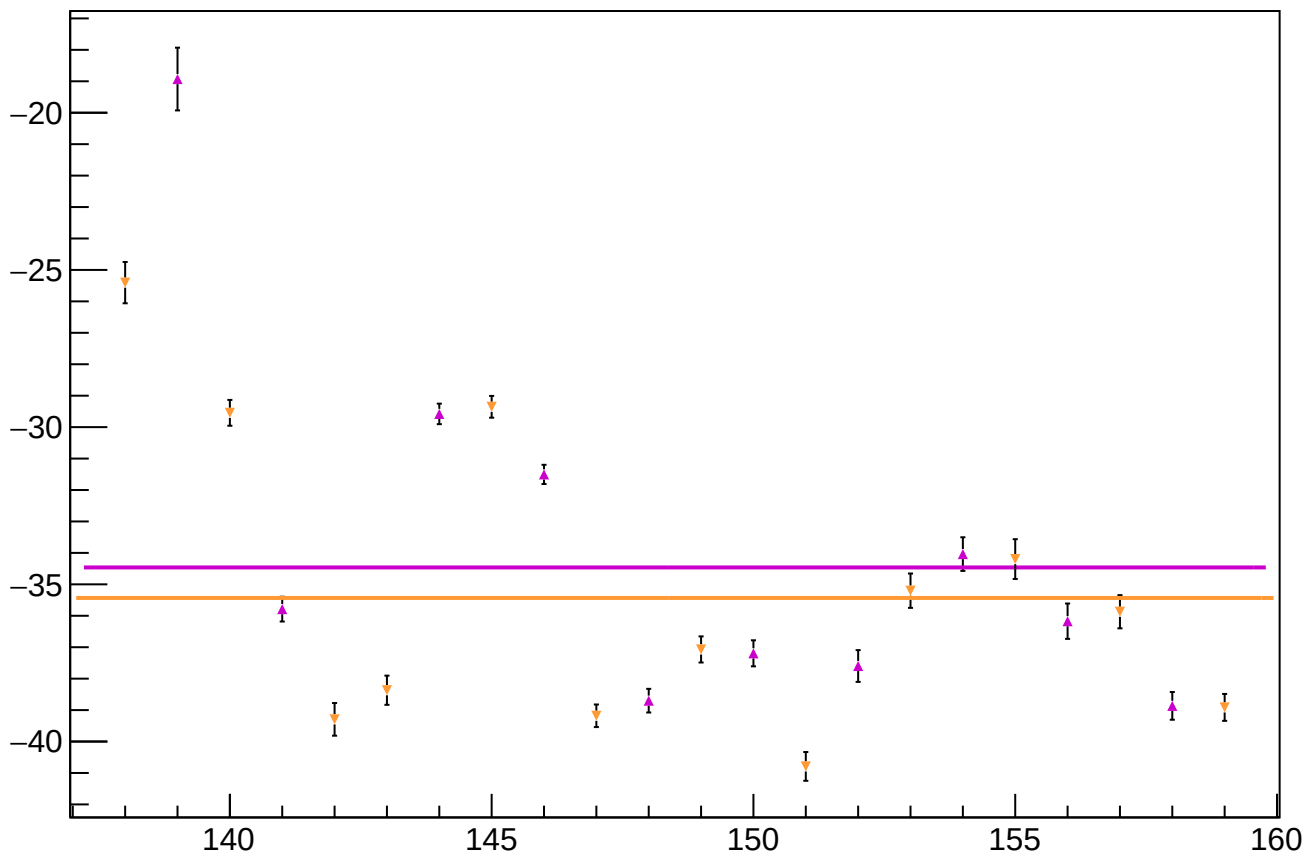
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 41.132+/-0.158 χ^2/NDF :1380.6/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 41.587+/-0.161 χ^2/NDF :1241.2/9

Left: 41.356+/-0.113 χ^2/NDF : 2625.8/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 41.587+/-0.161 χ^2/NDF :1241.2/9
 Out: 41.132+/-0.158 χ^2/NDF :1380.6/11
 All: 41.356+/-0.113 χ^2/NDF : 2625.8/21

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: -35.433+/-0.131 χ^2/NDF : 1174.4/11

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

Left In: -34.463+/-0.133 χ^2/NDF : 890.1/9

Left: -34.957+/-0.094 χ^2/NDF : 2091.3/21

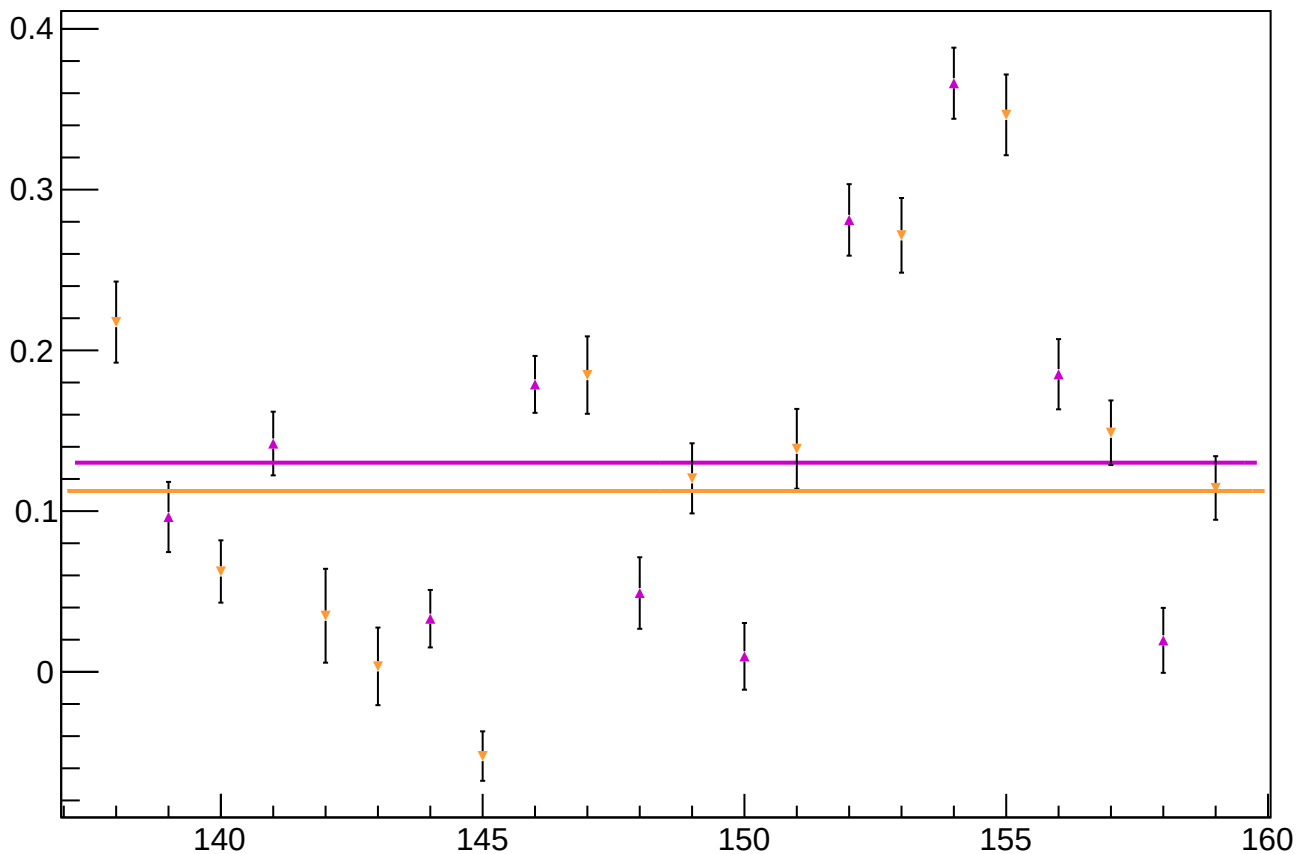
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -34.463+/-0.133 χ^2/NDF : 890.1/9

Out: -35.433+/-0.131 χ^2/NDF : 1174.4/11

All: -34.957+/-0.094 χ^2/NDF : 2091.3/21

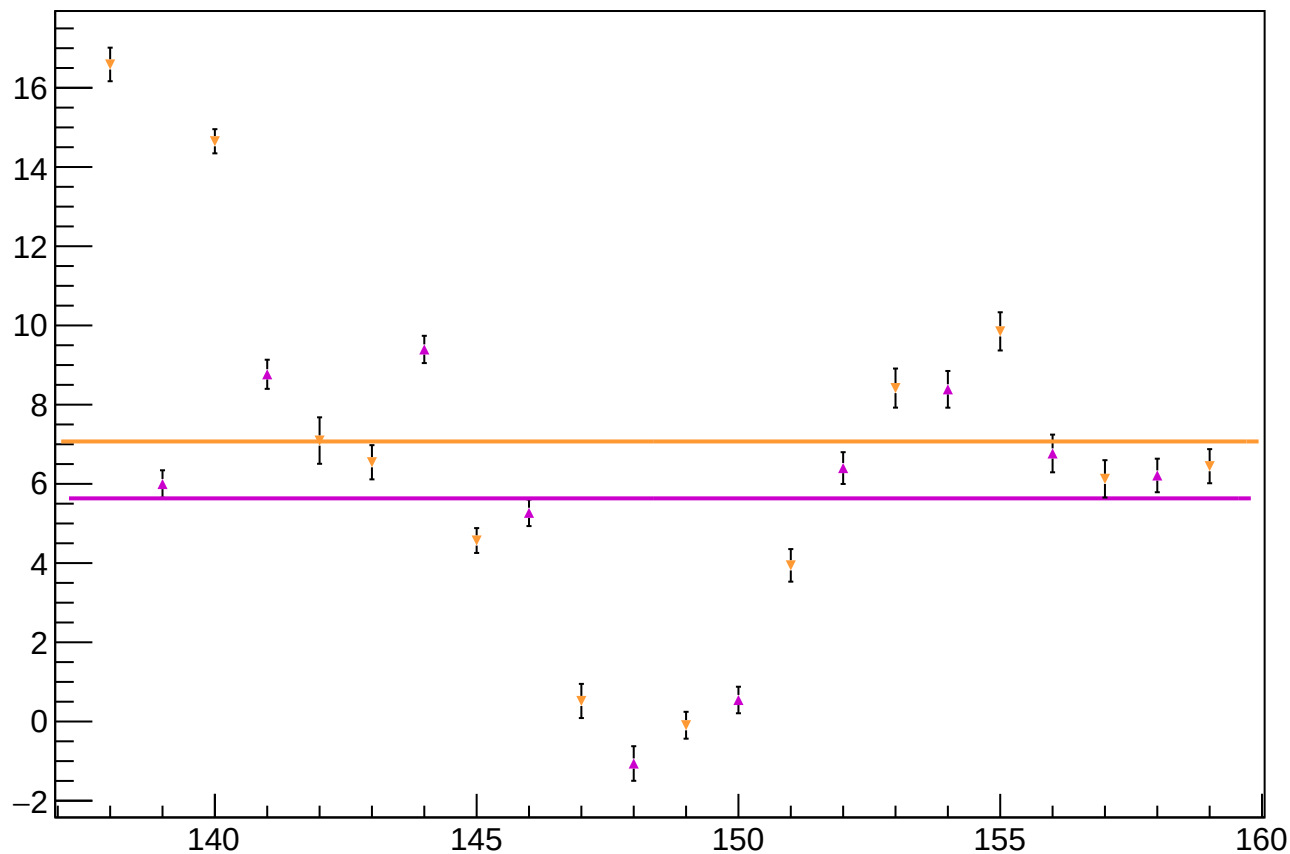
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.113+/-0.006 χ^2/NDF :313.7/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.130+/-0.006 χ^2/NDF :283.1/9

Left: 0.121+/-0.005 χ^2/NDF : 600.6/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.130+/-0.006 χ^2/NDF :283.1/9
 Out: 0.113+/-0.006 χ^2/NDF :313.7/11
 All: 0.121+/-0.005 χ^2/NDF : 600.6/21

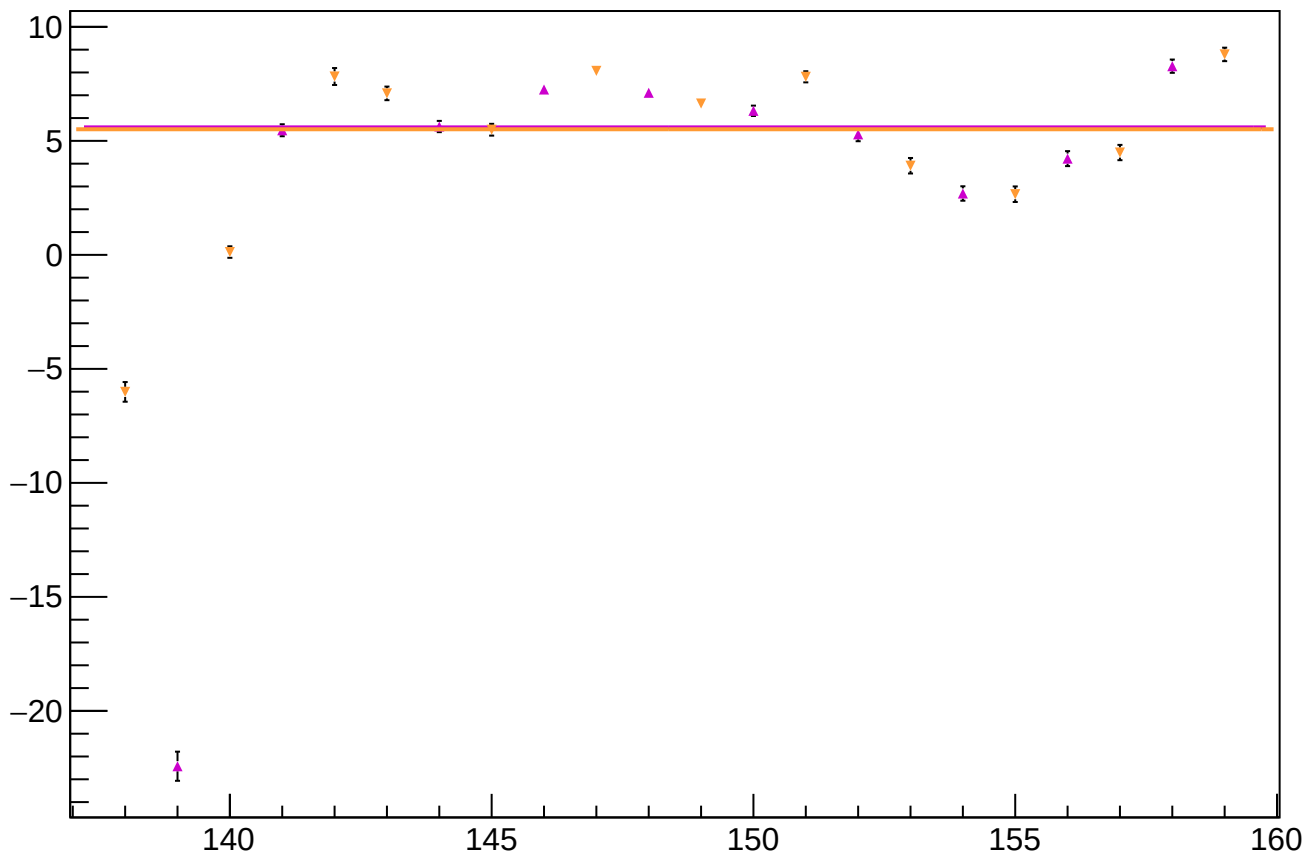
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.071+/-0.117 χ^2/NDF :1968.3/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.634+/-0.121 χ^2/NDF :706.4/9

Left: 6.378+/-0.084 χ^2/NDF : 2747.3/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 5.634+/-0.121 χ^2/NDF :706.4/9
 Out: 7.071+/-0.117 χ^2/NDF :1968.3/11
 All: 6.378+/-0.084 χ^2/NDF : 2747.3/21

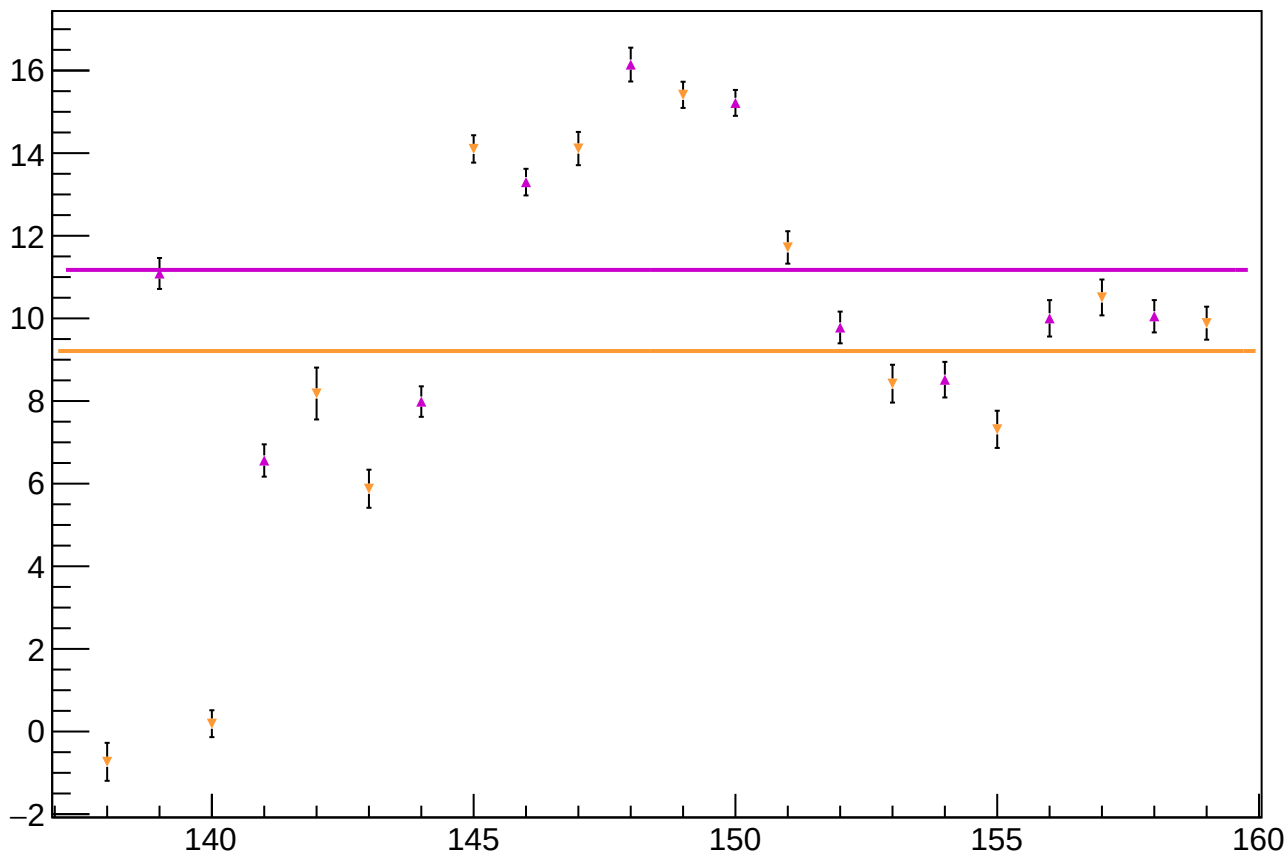
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.509 $\pm$ 0.081 χ^2 /NDF:1725.7/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.592 $\pm$ 0.085 χ^2 /NDF:2230.5/9

Left: 5.548 $\pm$ 0.059 χ^2 /NDF: 3956.7/21
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 5.592 $\pm$ 0.085 χ^2 /NDF:2230.5/9
 Out: 5.509 $\pm$ 0.081 χ^2 /NDF:1725.7/11
 All: 5.548 $\pm$ 0.059 χ^2 /NDF: 3956.7/21

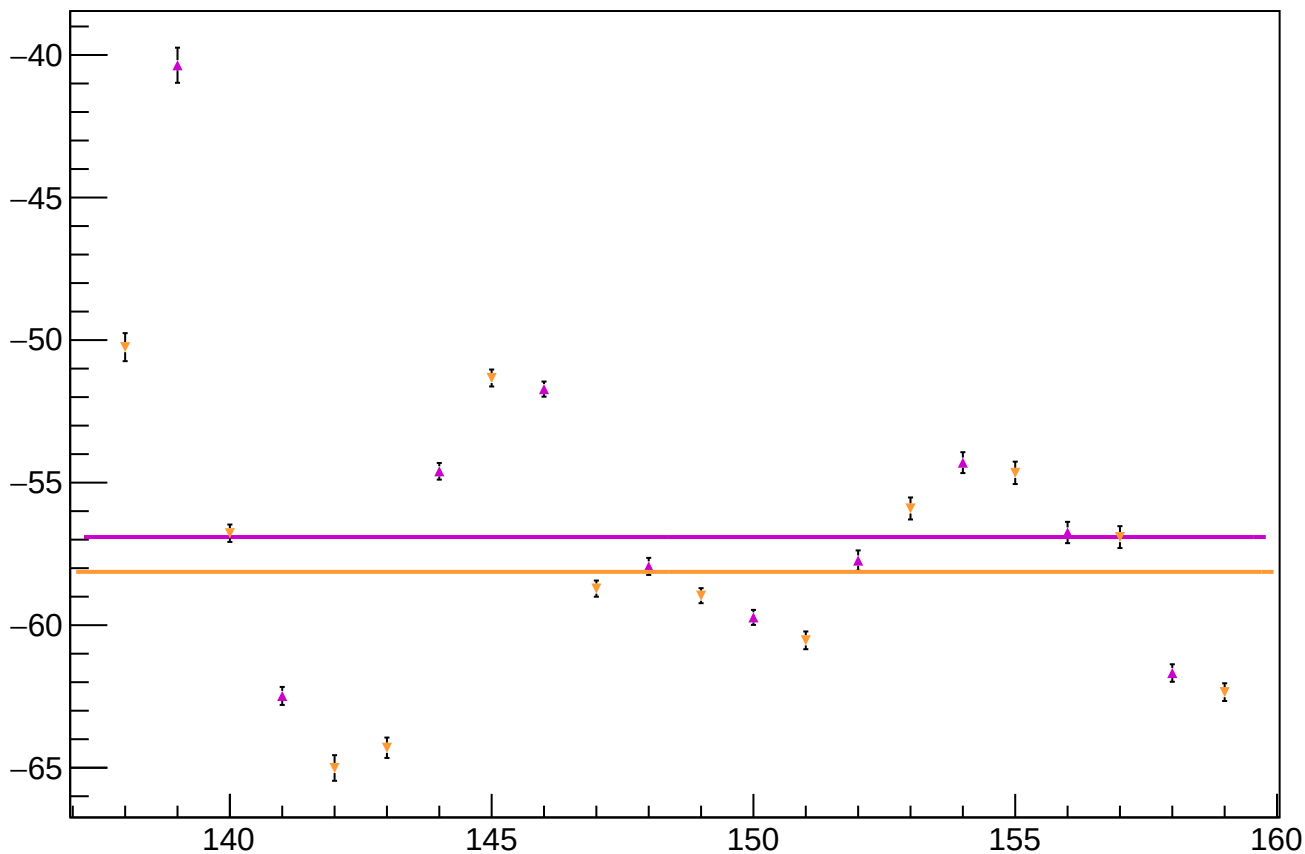
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 9.210+/-0.116 χ^2/NDF :2113.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 11.174+/-0.119 χ^2/NDF :637.6/9

Left: 10.166+/-0.083 χ^2/NDF : 2891.0/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 11.174+/-0.119 χ^2/NDF :637.6/9
 Out: 9.210+/-0.116 χ^2/NDF :2113.8/11
 All: 10.166+/-0.083 χ^2/NDF : 2891.0/21

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: -58.130+/-0.097 χ^2/NDF :1711.3/11

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

Left In: -56.908+/-0.101 χ^2/NDF :1902.0/9

Left: -57.546+/-0.070 χ^2/NDF : 3689.3/21

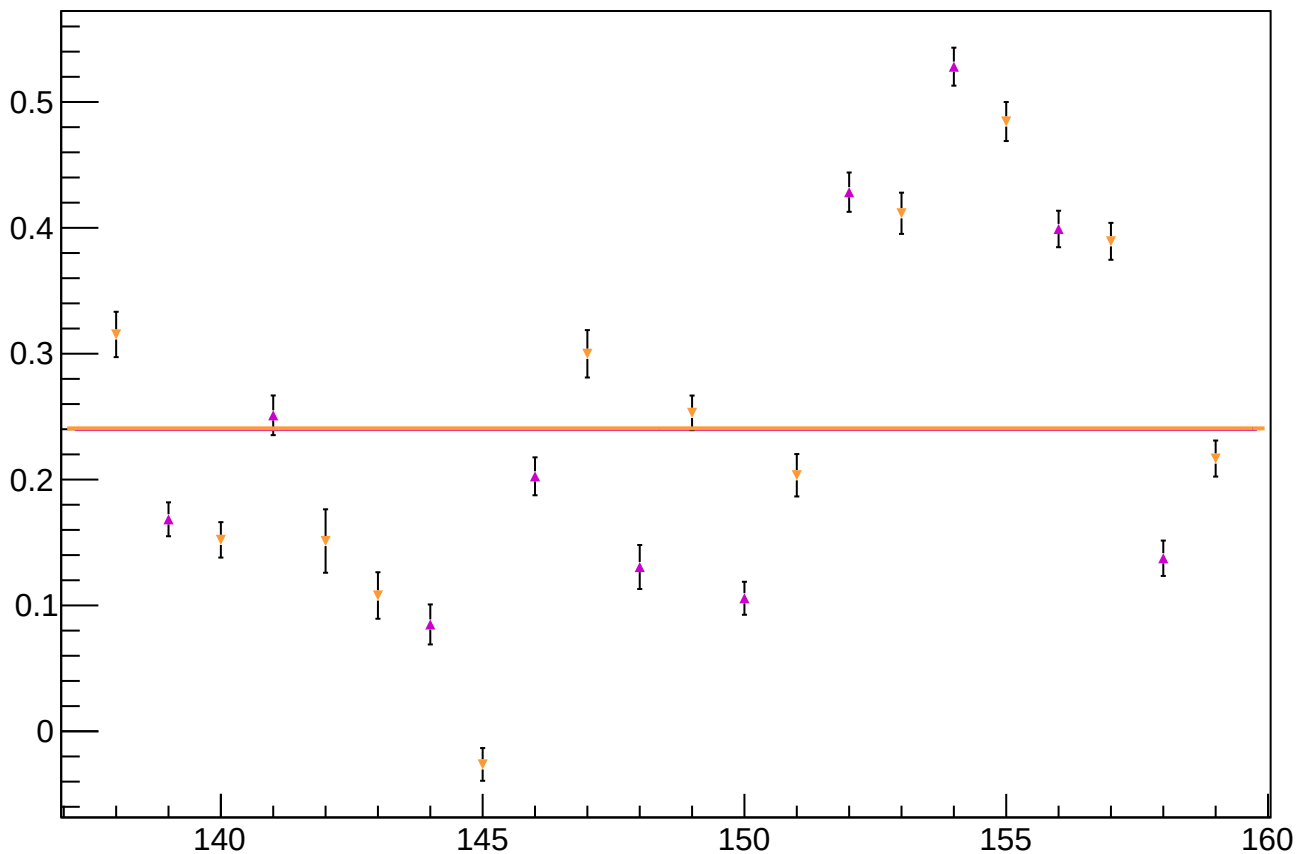
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -56.908+/-0.101 χ^2/NDF :1902.0/9

Out: -58.130+/-0.097 χ^2/NDF :1711.3/11

All: -57.546+/-0.070 χ^2/NDF : 3689.3/21

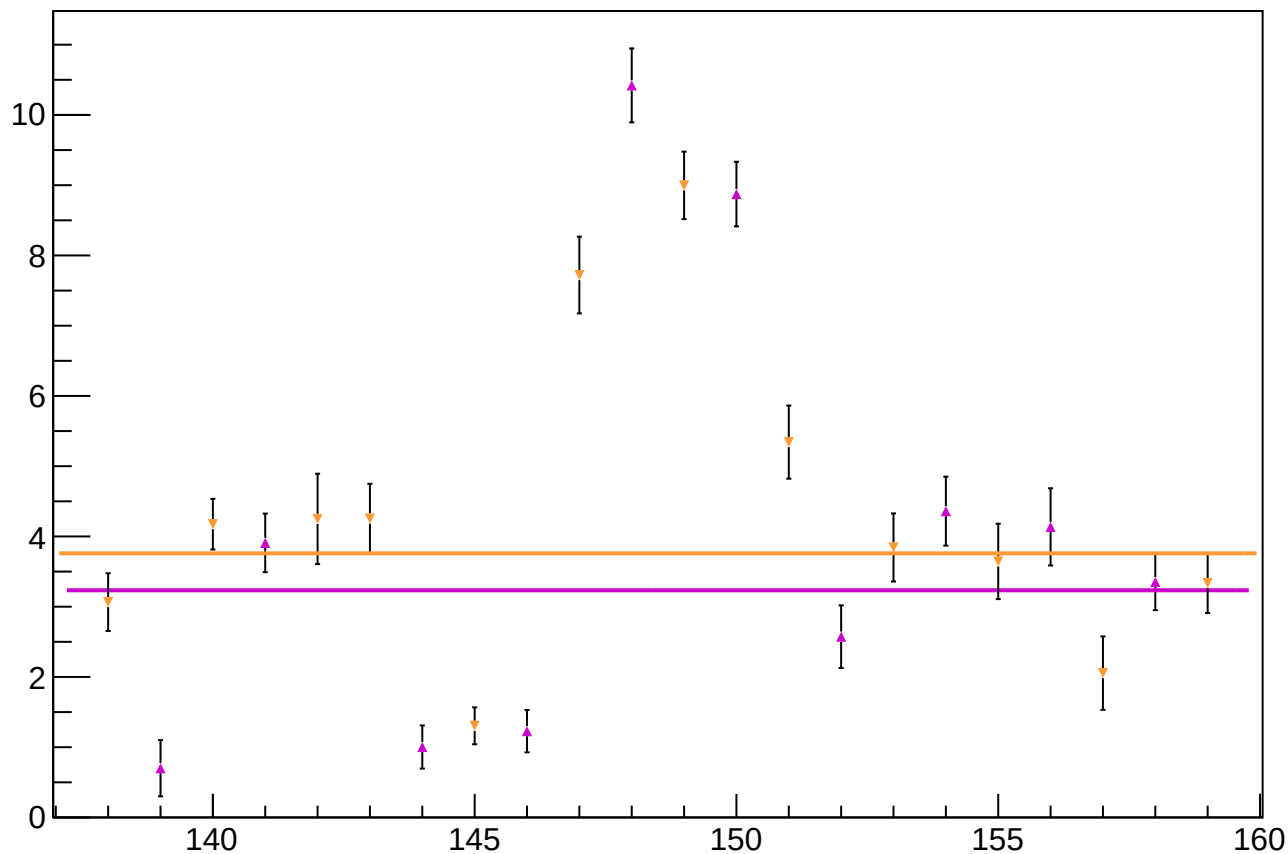
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.241+/-0.005 χ^2/NDF :1019.0/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.240+/-0.005 χ^2/NDF :957.9/9

Left: 0.240+/-0.003 χ^2/NDF : 1976.9/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.240+/-0.005 χ^2/NDF :957.9/9
 Out: 0.241+/-0.005 χ^2/NDF :1019.0/11
 All: 0.240+/-0.003 χ^2/NDF : 1976.9/21

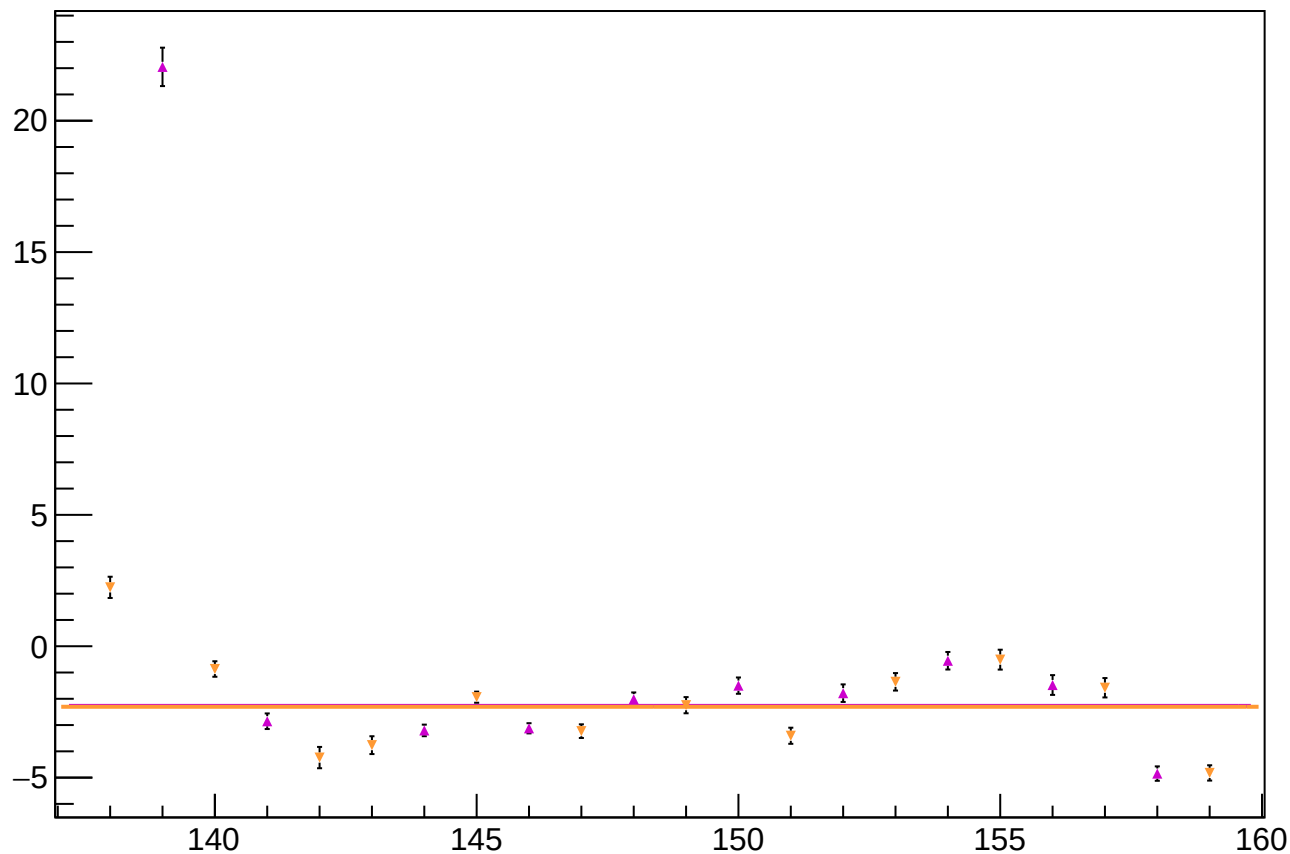
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.759+/-0.126 χ^2/NDF :285.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.234+/-0.128 χ^2/NDF :486.5/9

Left: 3.501+/-0.090 χ^2/NDF : 780.2/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.234+/-0.128 χ^2/NDF :486.5/9
 Out: 3.759+/-0.126 χ^2/NDF :285.2/11
 All: 3.501+/-0.090 χ^2/NDF : 780.2/21

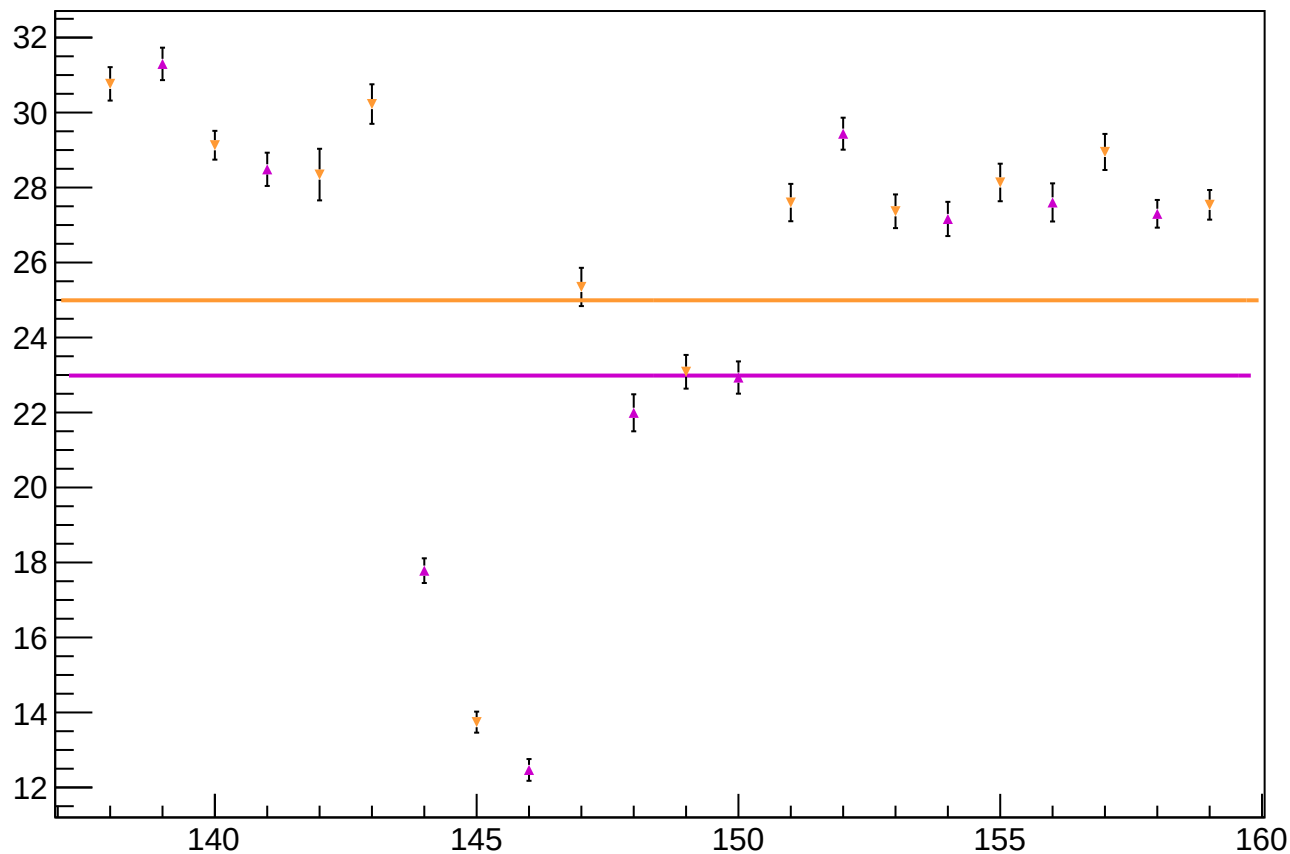
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.304+/-0.089 χ^2/NDF :329.1/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.271+/-0.090 χ^2/NDF :1276.2/9

Left: -2.287+/-0.063 χ^2/NDF : 1605.4/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.271+/-0.090 χ^2/NDF :1276.2/9
 Out: -2.304+/-0.089 χ^2/NDF :329.1/11
 All: -2.287+/-0.063 χ^2/NDF : 1605.4/21

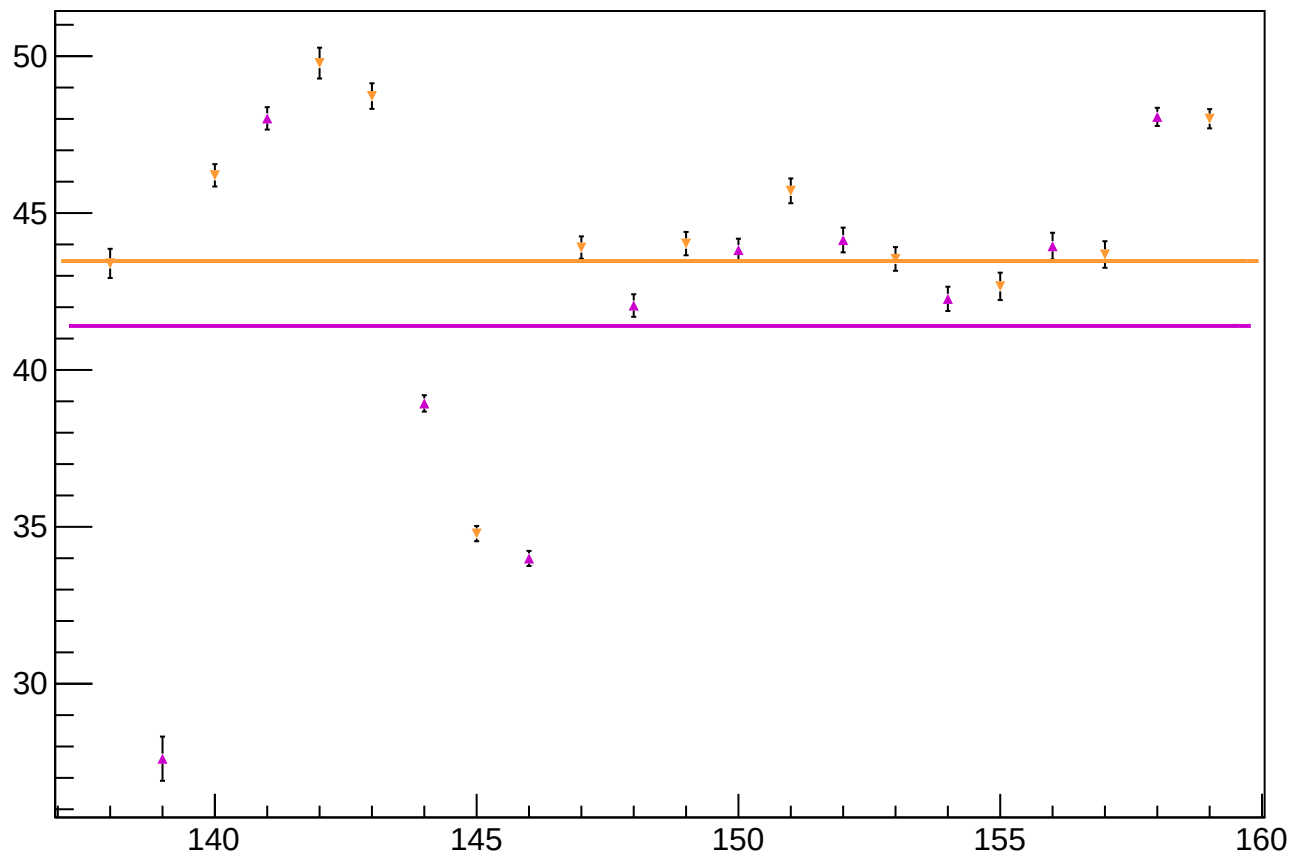
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 24.992 $\pm$ 0.126 χ^2 /NDF:2238.8/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 22.985 $\pm$ 0.126 χ^2 /NDF:2622.9/9

Left: 23.990 $\pm$ 0.089 χ^2 /NDF: 4987.8/21
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 22.985 $\pm$ 0.126 χ^2 /NDF:2622.9/9
 Out: 24.992 $\pm$ 0.126 χ^2 /NDF:2238.8/11
 All: 23.990 $\pm$ 0.089 χ^2 /NDF: 4987.8/21

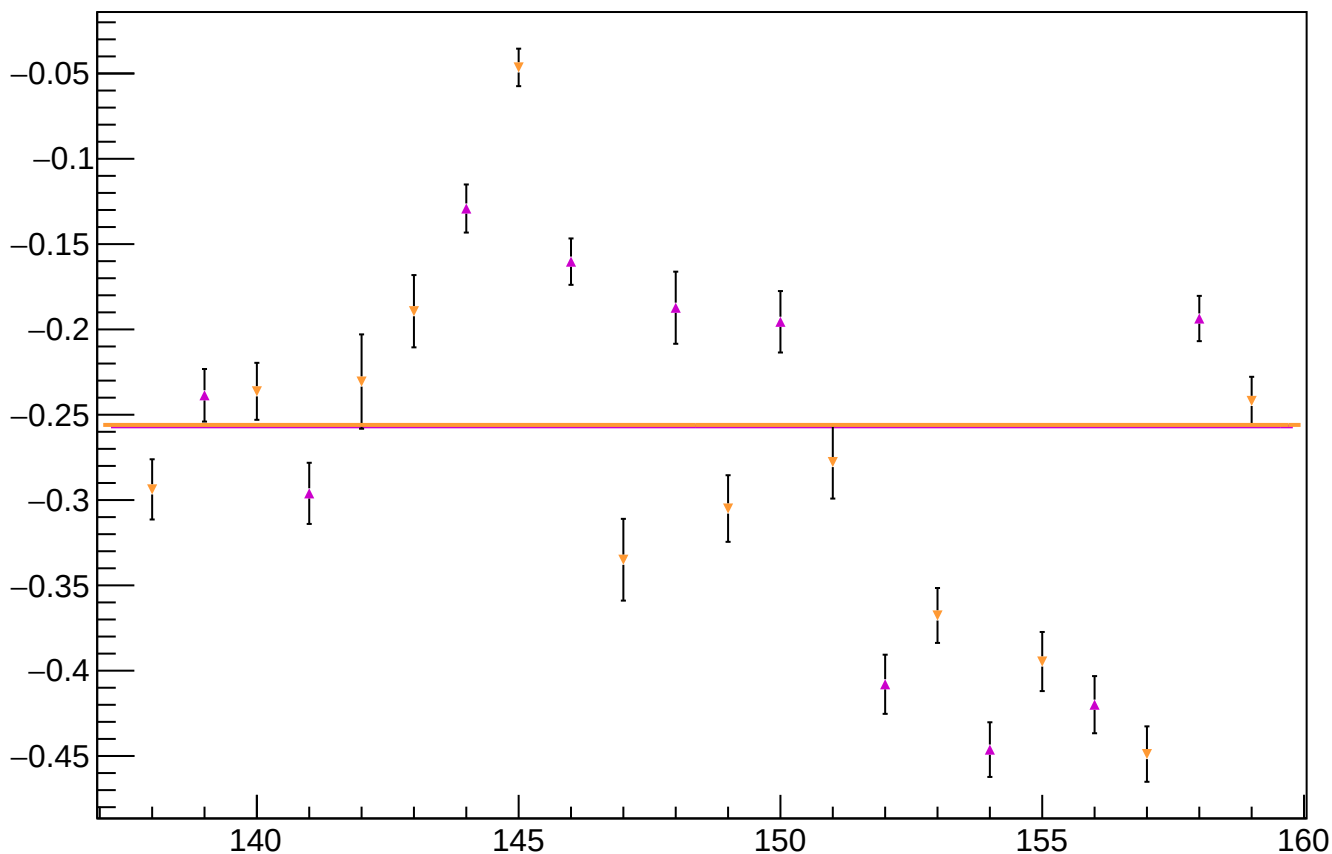
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 43.471+/-0.106 χ^2/NDF :1914.5/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 41.403+/-0.107 χ^2/NDF :2430.2/9

Left: 42.446+/-0.075 χ^2/NDF : 4534.1/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 41.403+/-0.107 χ^2/NDF :2430.2/9
 Out: 43.471+/-0.106 χ^2/NDF :1914.5/11
 All: 42.446+/-0.075 χ^2/NDF : 4534.1/21

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.256+/-0.005 χ^2/NDF : 653.0/11

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

Left In: -0.257+/-0.005 χ^2/NDF : 494.4/9

Left: -0.256+/-0.004 χ^2/NDF : 1147.5/21

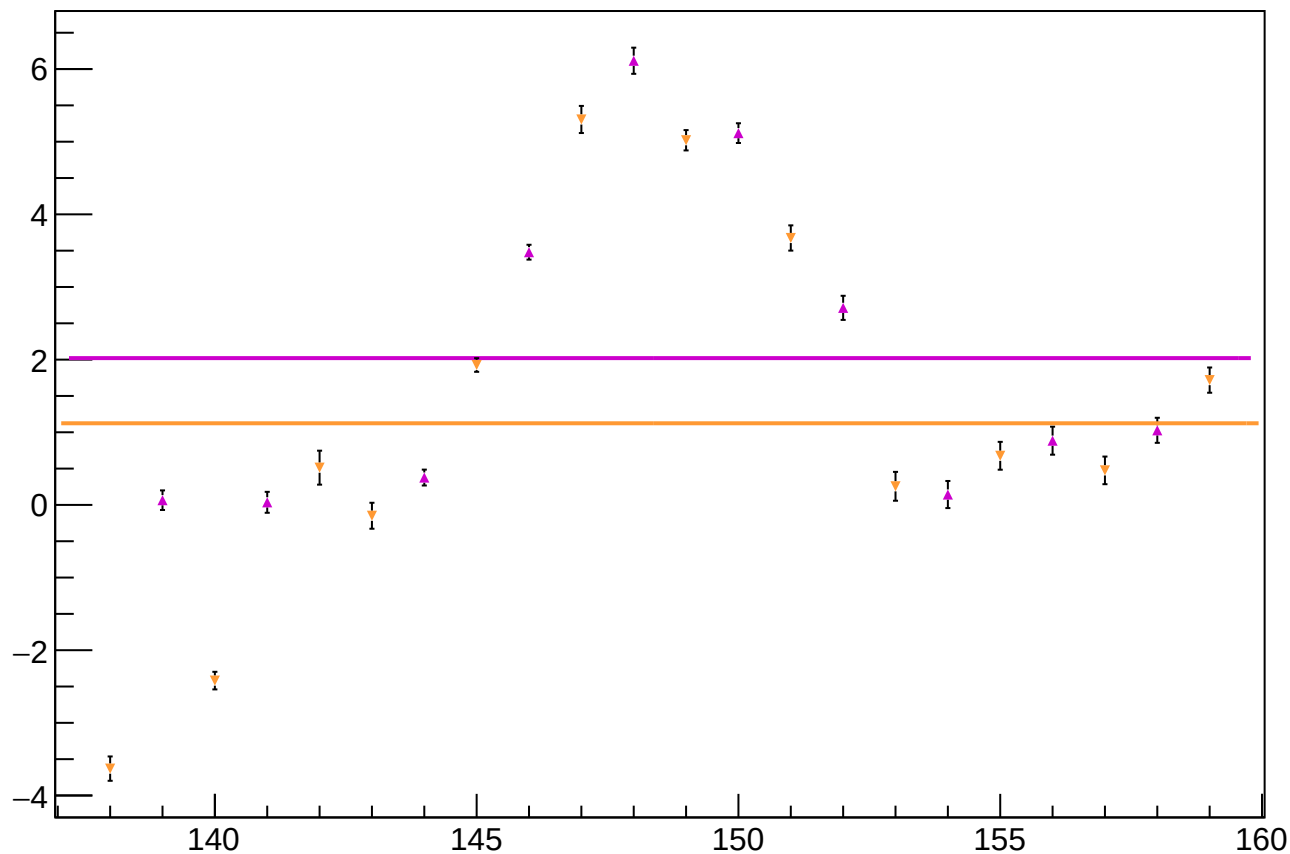
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.257+/-0.005 χ^2/NDF : 494.4/9

Out: -0.256+/-0.005 χ^2/NDF : 653.0/11

All: -0.256+/-0.004 χ^2/NDF : 1147.5/21

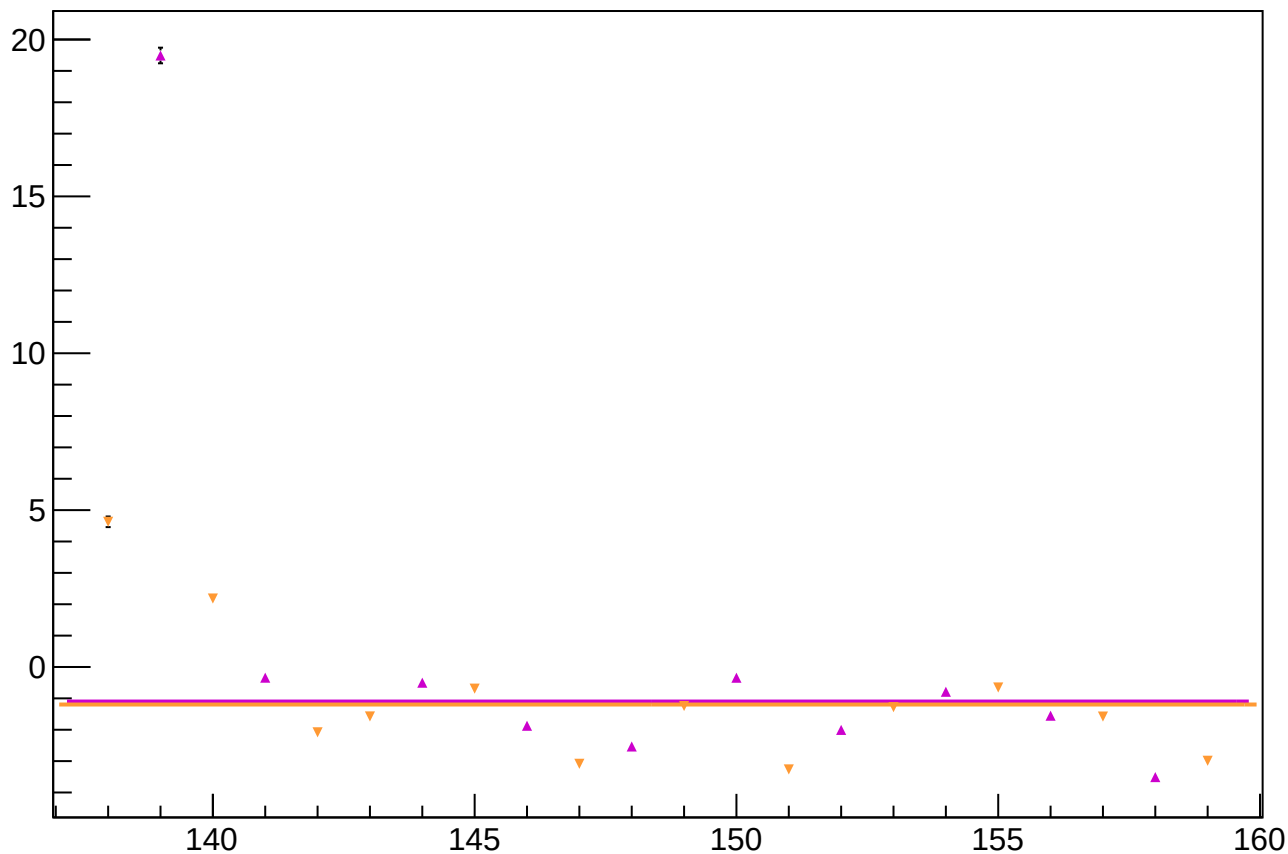
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 1.124+/-0.045 χ^2/NDF :3331.6/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.021+/-0.045 χ^2/NDF :2052.5/9

Left: 1.572+/-0.032 χ^2/NDF : 5582.4/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 2.021+/-0.045 χ^2/NDF :2052.5/9
 Out: 1.124+/-0.045 χ^2/NDF :3331.6/11
 All: 1.572+/-0.032 χ^2/NDF : 5582.4/21

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



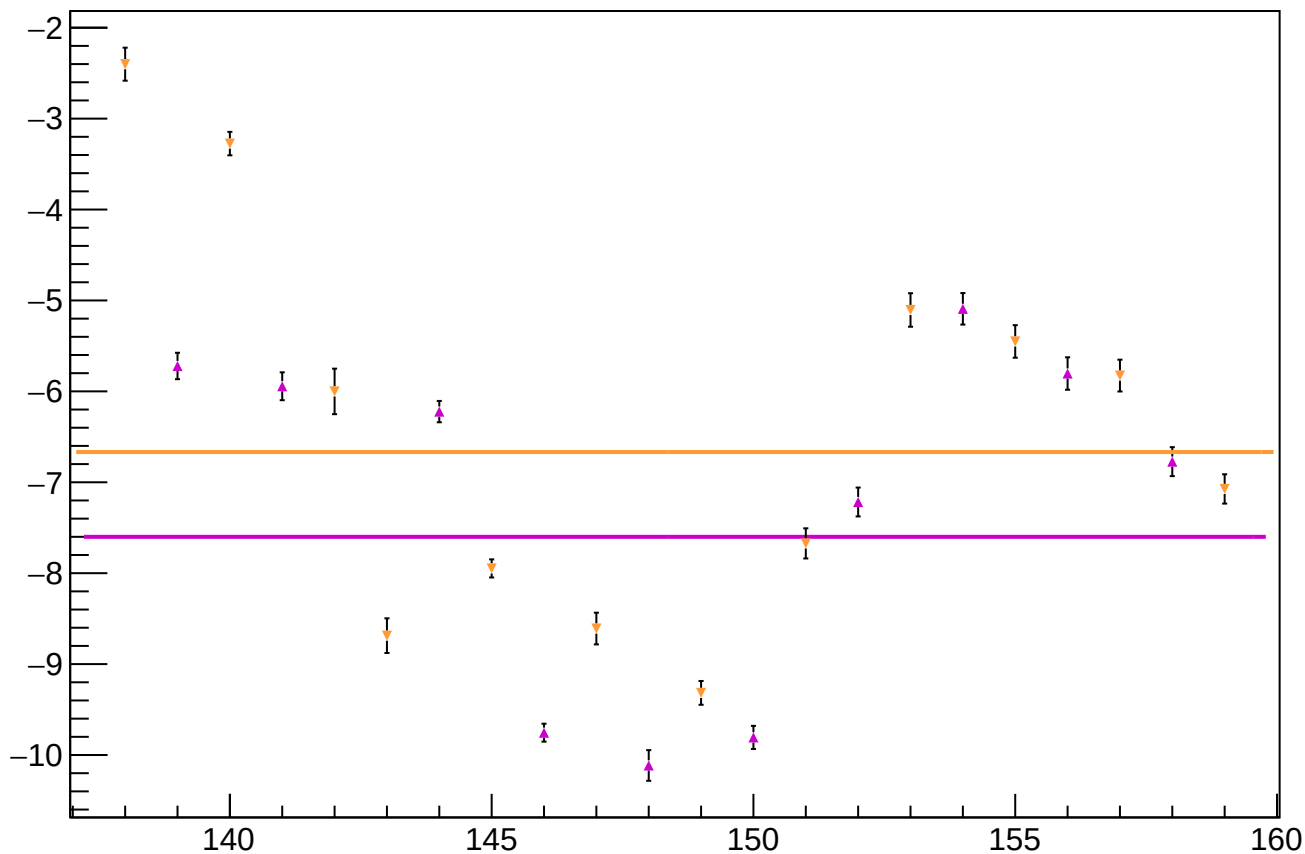
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.196+/-0.032 χ^2/NDF : 3515.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.101+/-0.032 χ^2/NDF : 7886.2/9

Left: -1.148+/-0.022 χ^2/NDF : 11405.9/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.101+/-0.032 χ^2/NDF : 7886.2/9
 Out: -1.196+/-0.032 χ^2/NDF : 3515.2/11

All: -1.148+/-0.022 χ^2/NDF : 11405.9/21

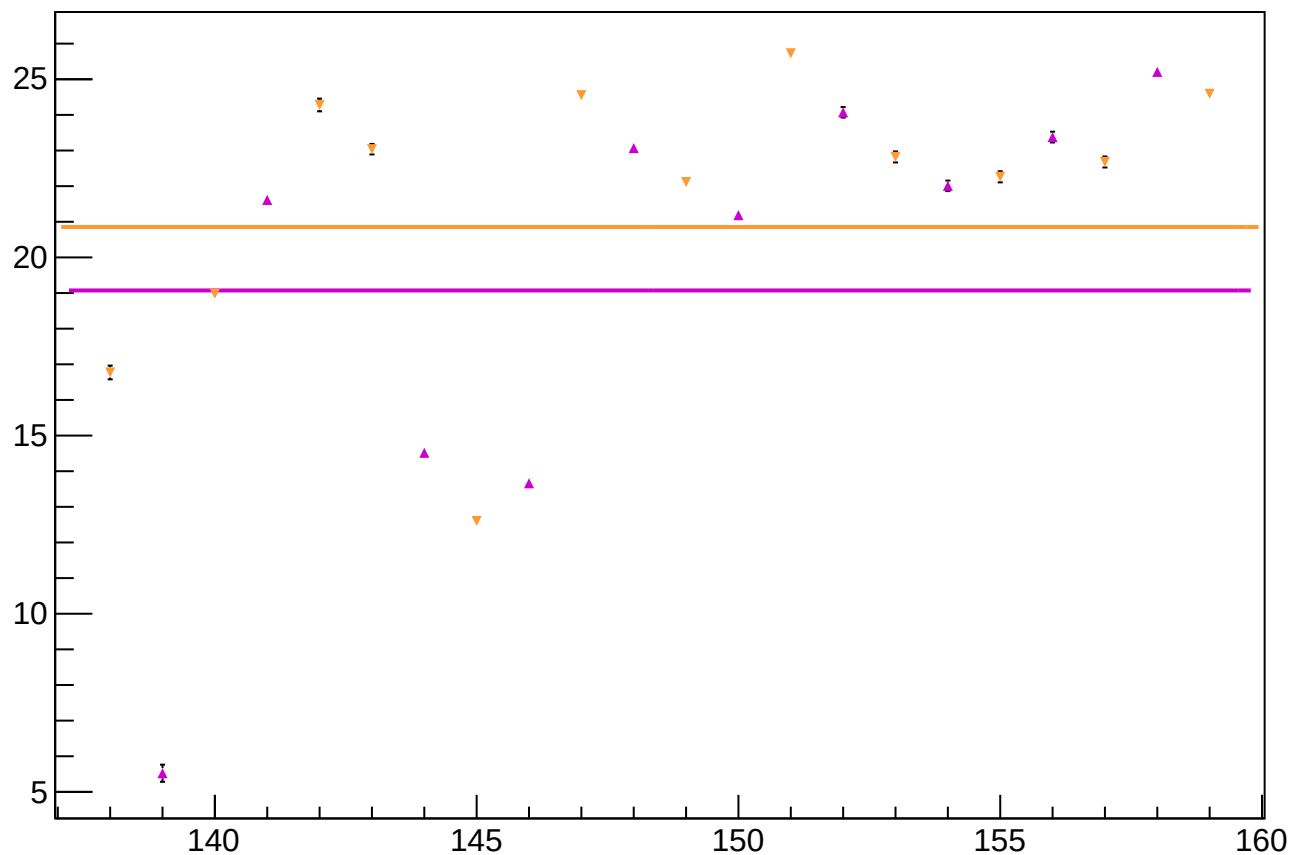
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.667+/-0.045 χ^2/NDF :2245.5/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.600+/-0.044 χ^2/NDF :1766.8/9

Left: -7.139+/-0.032 χ^2/NDF : 4229.8/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -7.600+/-0.044 χ^2/NDF :1766.8/9
 Out: -6.667+/-0.045 χ^2/NDF :2245.5/11
 All: -7.139+/-0.032 χ^2/NDF : 4229.8/21

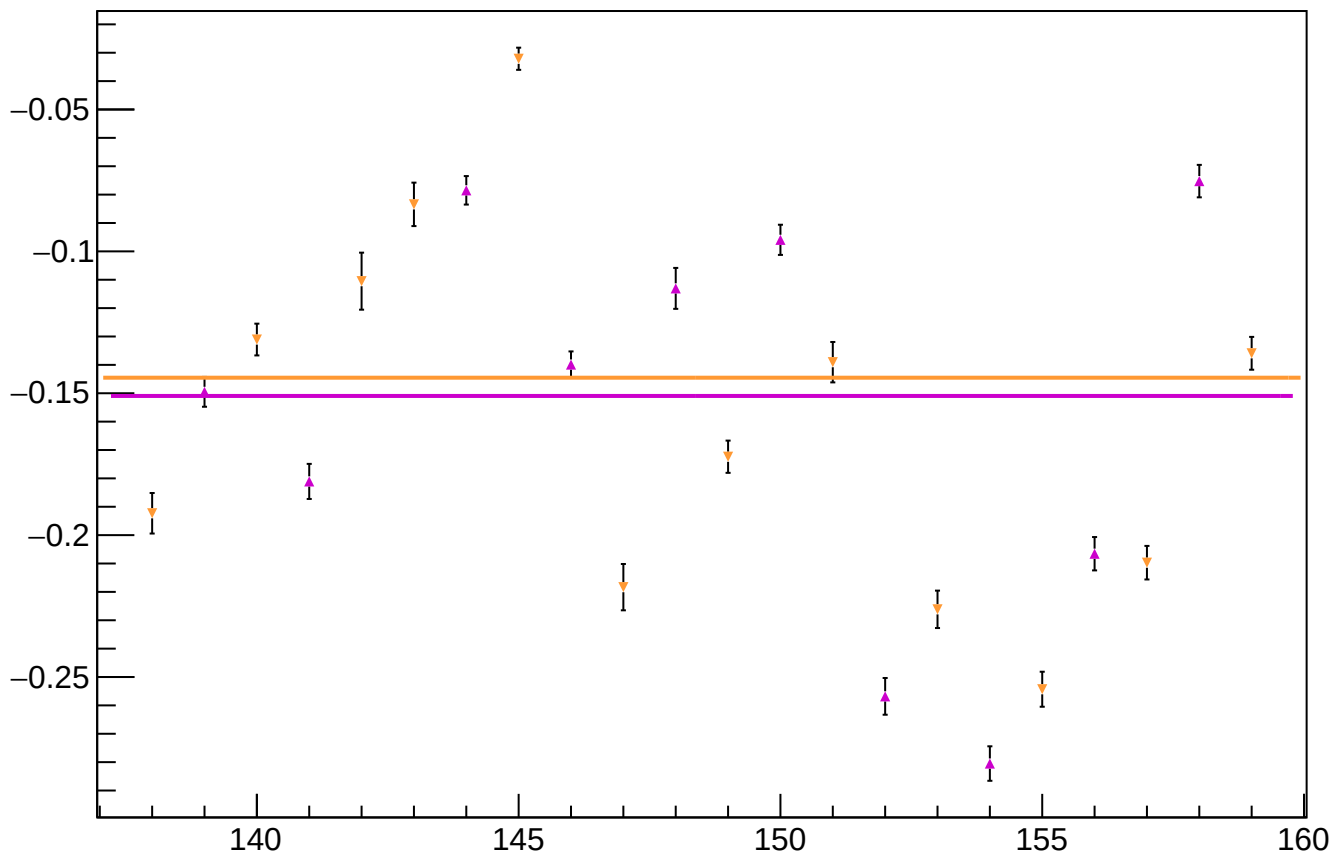
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 20.854 $\pm$ 0.038 χ^2 /NDF:13702.2/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 19.073 $\pm$ 0.038 χ^2 /NDF:16532.7/9

Left: 19.962 $\pm$ 0.027 χ^2 /NDF: 31343.4/21
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 19.073 $\pm$ 0.038 χ^2 /NDF:16532.7/9
 Out: 20.854 $\pm$ 0.038 χ^2 /NDF:13702.2/11
 All: 19.962 $\pm$ 0.027 χ^2 /NDF: 31343.4/21

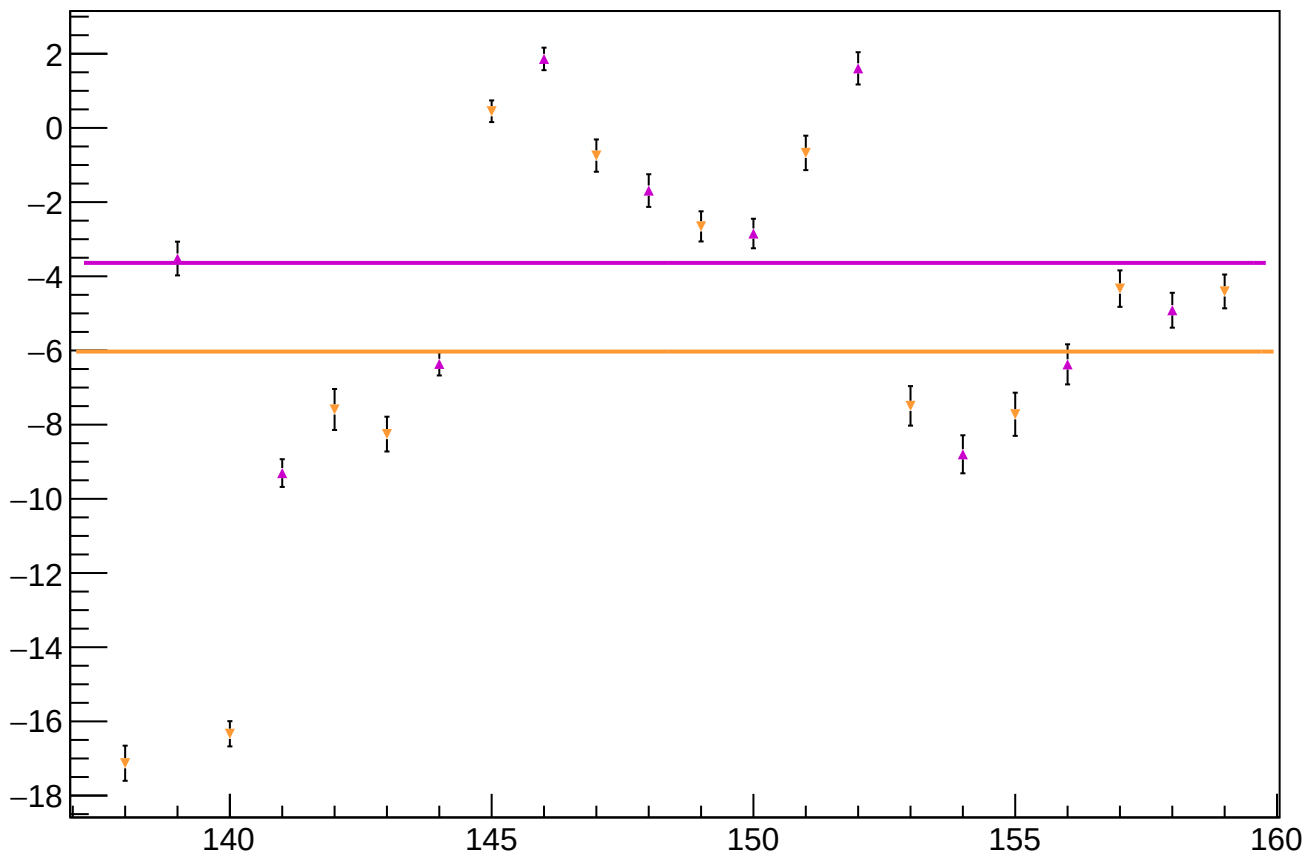
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.145+/-0.002 χ^2/NDF :1653.1/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.151+/-0.002 χ^2/NDF :1358.9/9

Left: -0.148+/-0.001 χ^2/NDF : 3018.6/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.151+/-0.002 χ^2/NDF :1358.9/9
 Out: -0.145+/-0.002 χ^2/NDF :1653.1/11
 All: -0.148+/-0.001 χ^2/NDF : 3018.6/21

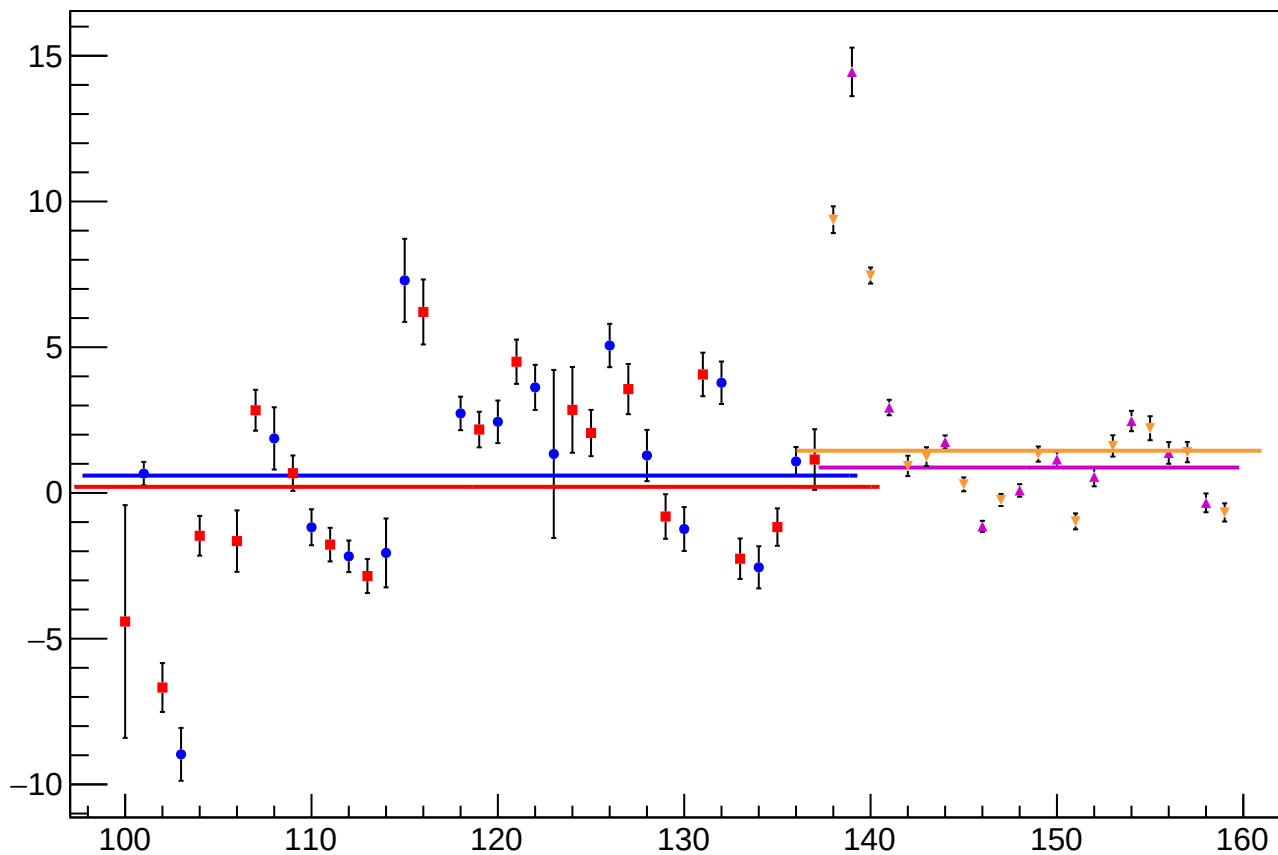
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.030+/-0.125 χ^2/NDF :2380.6/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.639+/-0.127 χ^2/NDF :937.0/9

Left: -4.858+/-0.089 χ^2/NDF : 3497.1/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.639+/-0.127 χ^2/NDF :937.0/9
 Out: -6.030+/-0.125 χ^2/NDF :2380.6/11
 All: -4.858+/-0.089 χ^2/NDF : 3497.1/21

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.596 ± 0.169 χ^2/NDF : 291.2/16

Left Out: 1.449 ± 0.086 χ^2/NDF : 992.2/11

Right Out: 0.209 ± 0.175 χ^2/NDF : 273.5/18

Left In: 0.872 ± 0.087 χ^2/NDF : 506.1/9

Left: 1.164 ± 0.061 χ^2/NDF : 1520.7/21

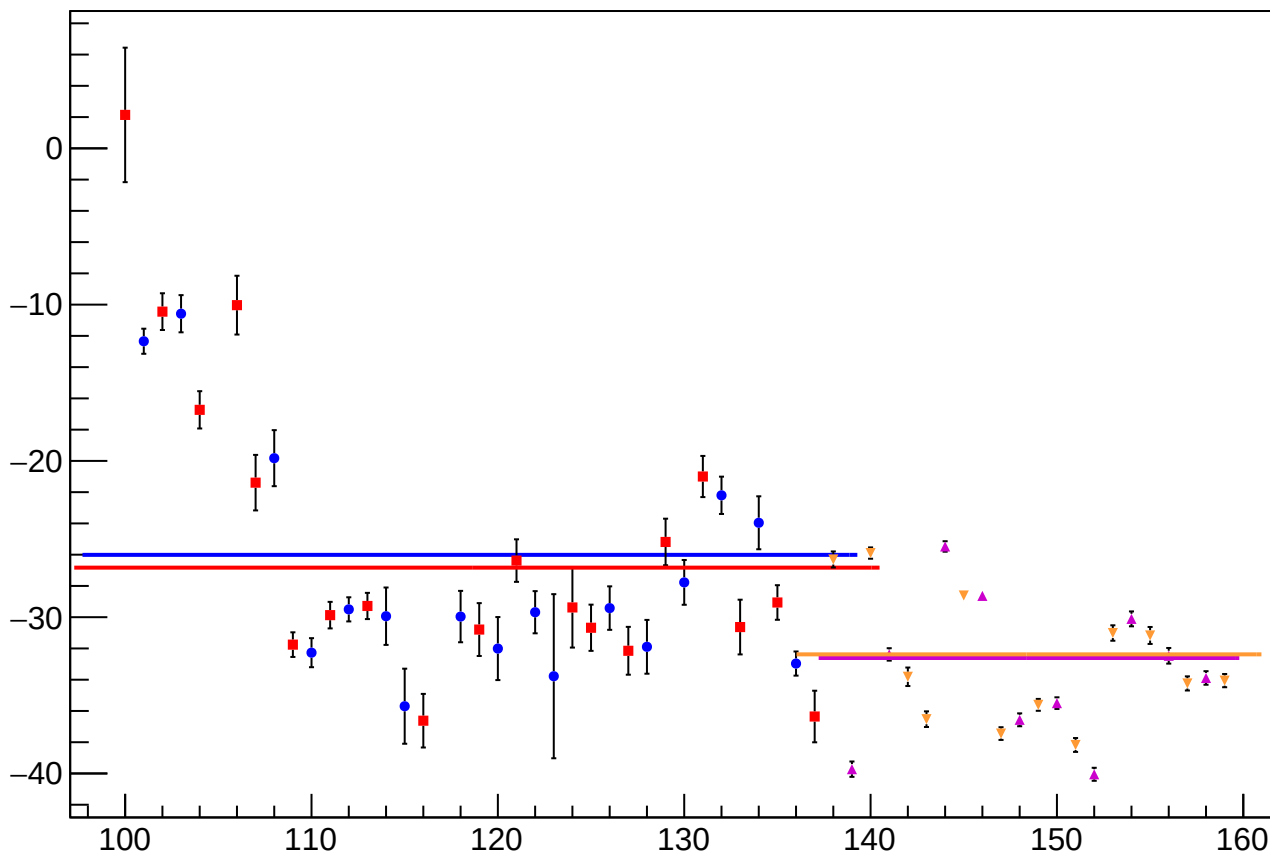
Right: 0.409 ± 0.121 χ^2/NDF : 567.2/35

In: 0.815 ± 0.077 χ^2/NDF : 799.4/26

Out: 1.209 ± 0.077 χ^2/NDF : 1306.3/30

All: 1.013 ± 0.054 χ^2/NDF : 2118.9/57

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: -32.378 ± 0.124 χ^2/NDF : 1126.8/11

Right Out: -26.829 ± 0.297 χ^2/NDF : 581.6/18

Left In: -32.611 ± 0.125 χ^2/NDF : 1356.6/9

Left: -32.494 ± 0.088 χ^2/NDF : 2485.1/21

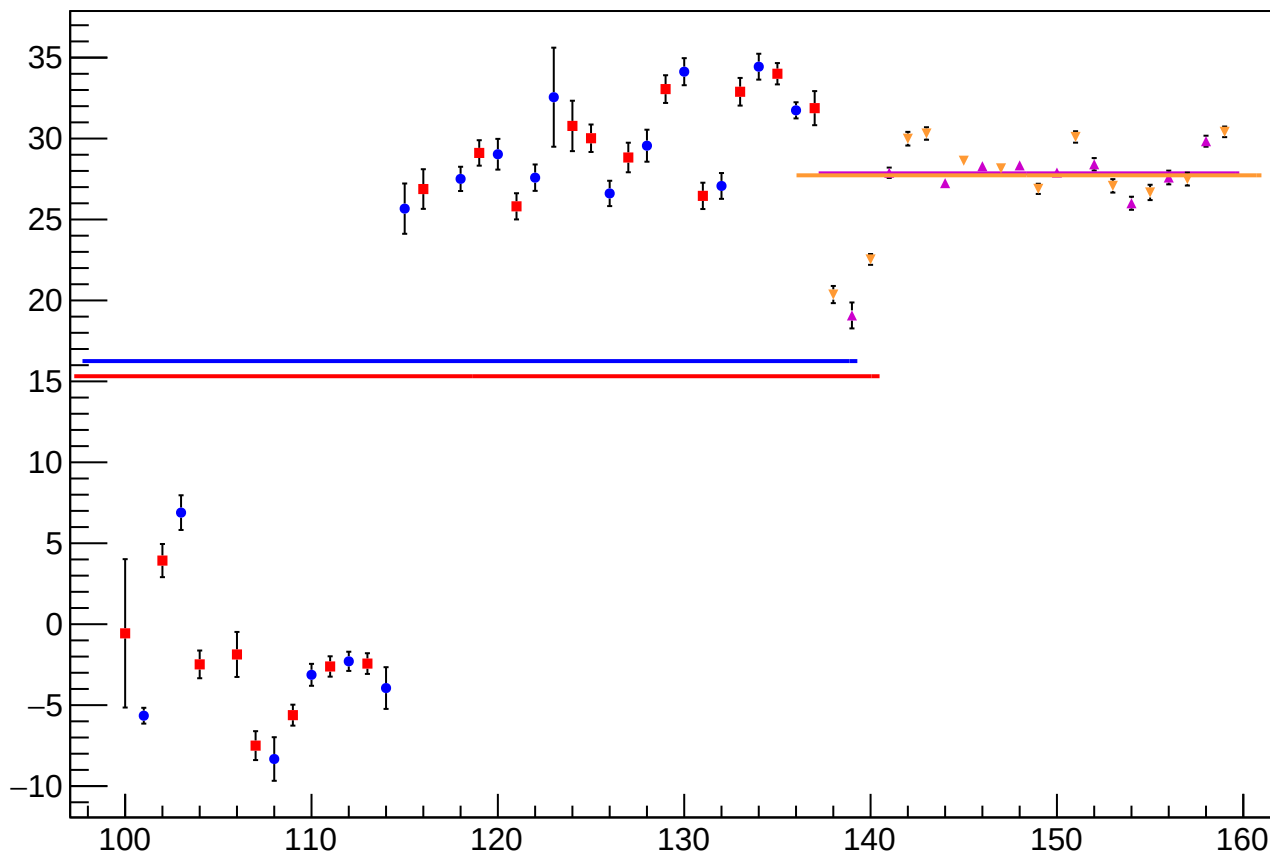
Right: -26.423 ± 0.211 χ^2/NDF : 1278.3/35

In: -31.628 ± 0.116 χ^2/NDF : 2462.5/26

Out: -31.553 ± 0.115 χ^2/NDF : 2004.6/30

All: -31.590 ± 0.081 χ^2/NDF : 4467.3/57

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: 27.729 $\pm$ 0.103 χ^2 /NDF: 648.2/11

Right Out: 15.318 $\pm$ 0.197 χ^2 /NDF: 7280.1/18

Left In: 27.850 $\pm$ 0.104 χ^2 /NDF: 188.6/9

Left: 27.788 $\pm$ 0.073 χ^2 /NDF: 837.5/21

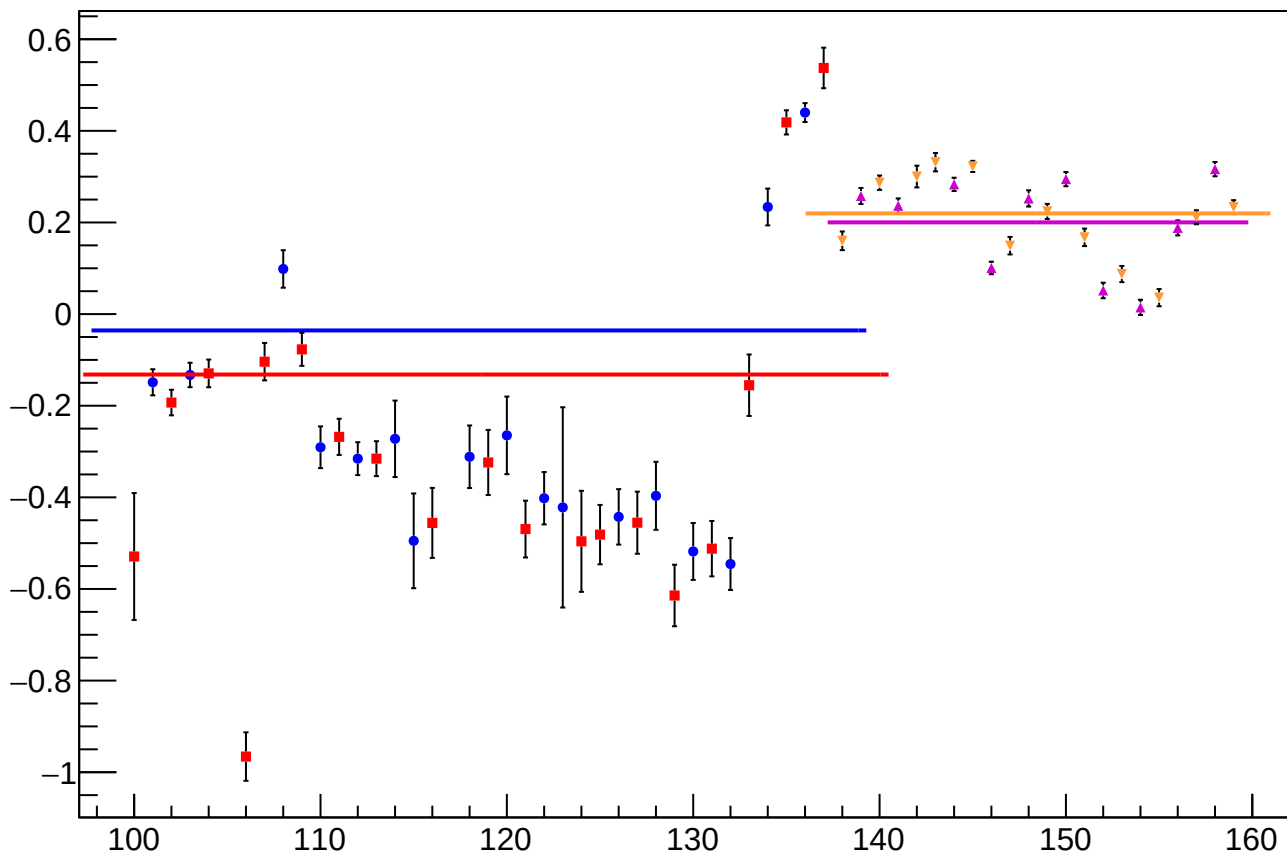
Right: 15.800 $\pm$ 0.137 χ^2 /NDF: 14903.0/35

In: 25.179 $\pm$ 0.092 χ^2 /NDF: 10636.6/26

Out: 25.064 $\pm$ 0.091 χ^2 /NDF: 11045.4/30

All: 25.122 $\pm$ 0.065 χ^2 /NDF: 21682.8/57

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: 0.220 ± 0.005 χ^2/NDF : 314.9/11

Right Out: -0.132 ± 0.010 χ^2/NDF : 1171.3/18

Left In: 0.200 ± 0.005 χ^2/NDF : 403.2/9

Left: 0.210 ± 0.004 χ^2/NDF : 725.8/21

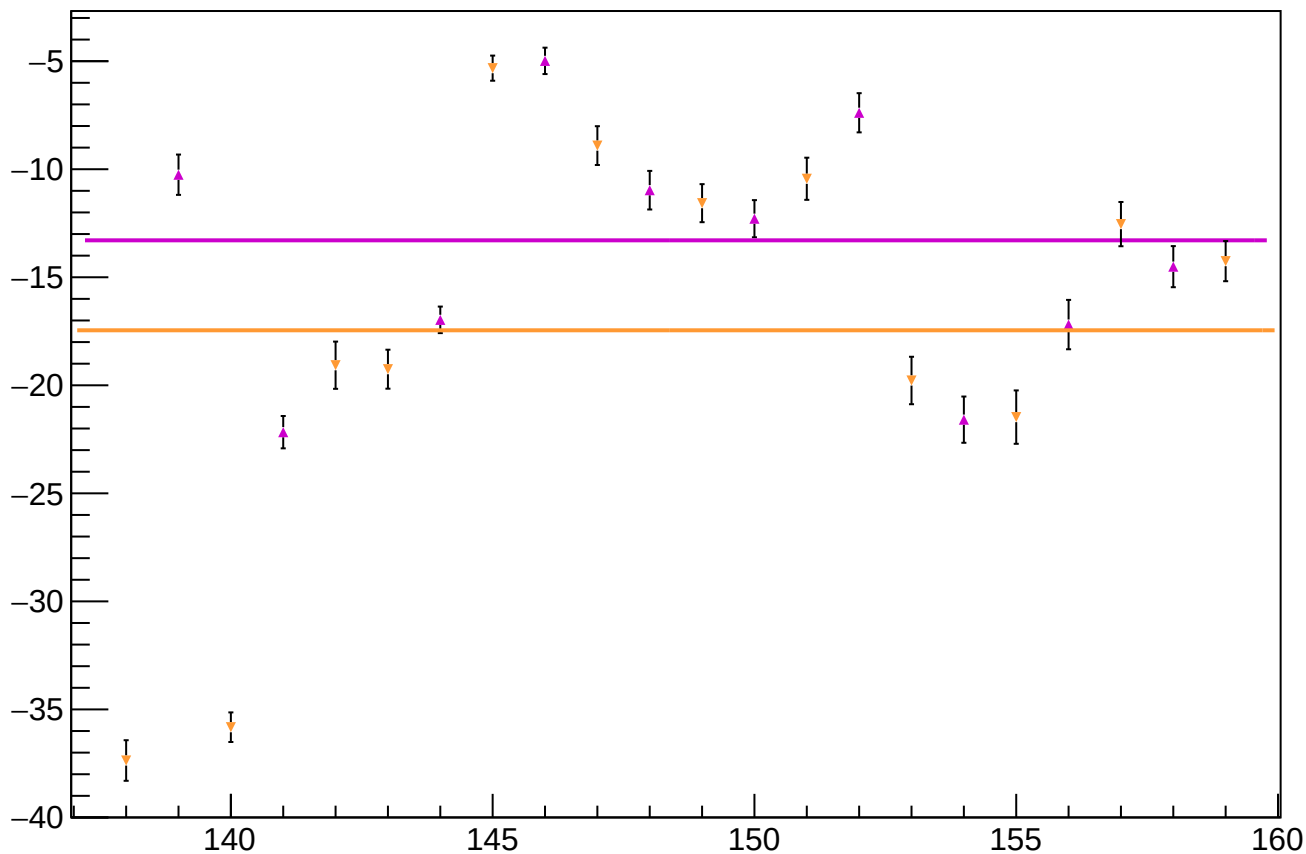
Right: -0.084 ± 0.007 χ^2/NDF : 2229.1/35

In: 0.155 ± 0.005 χ^2/NDF : 1840.1/26

Out: 0.155 ± 0.004 χ^2/NDF : 2426.4/30

All: 0.155 ± 0.003 χ^2/NDF : 4266.5/57

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: -17.454+/-0.254 χ^2/NDF :1847.2/11

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

Left In: -13.291+/-0.260 χ^2/NDF :496.2/9

Left: -15.416+/-0.182 χ^2/NDF : 2474.7/21

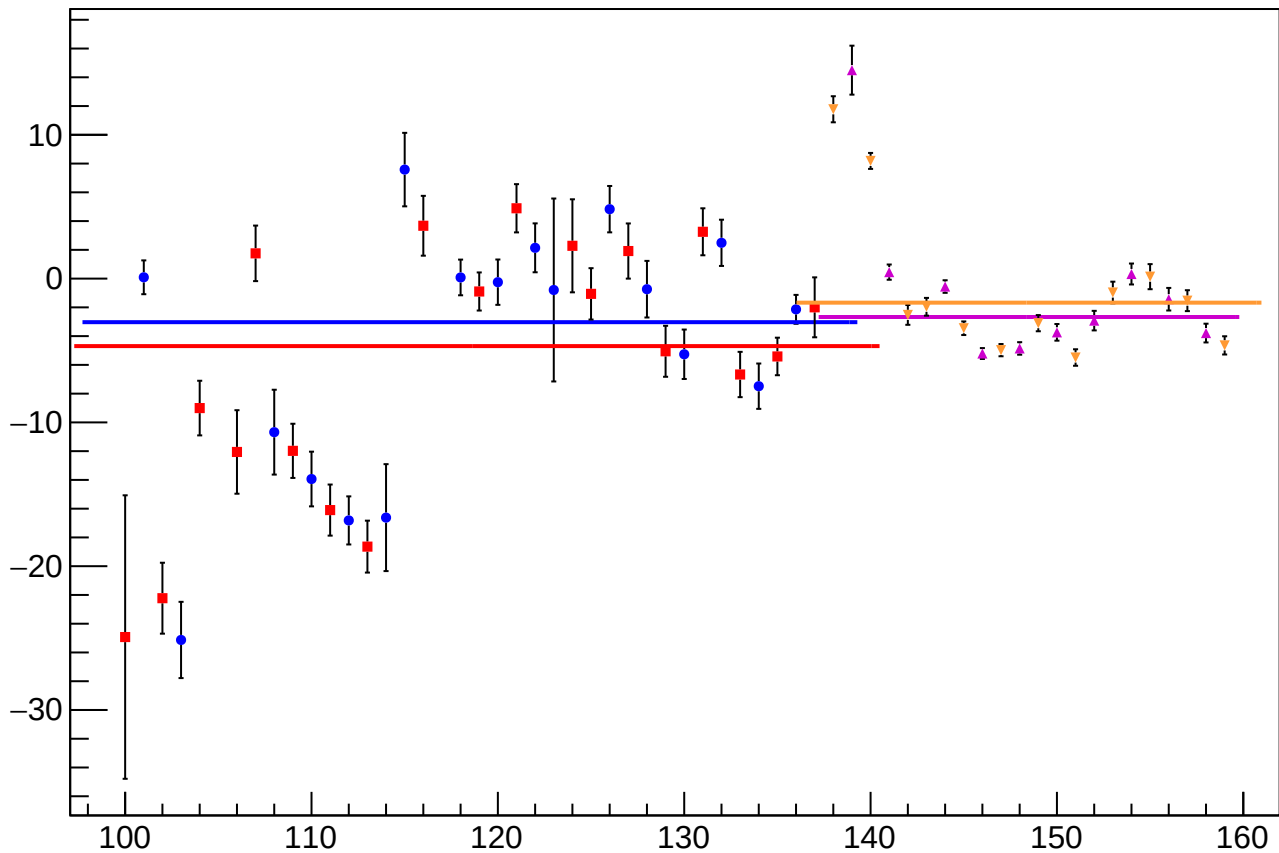
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -13.291+/-0.260 χ^2/NDF :496.2/9

Out: -17.454+/-0.254 χ^2/NDF :1847.2/11

All: -15.416+/-0.182 χ^2/NDF : 2474.7/21

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: -1.672 ± 0.175 χ^2/NDF : 689.1/11

Right Out: -4.694 ± 0.427 χ^2/NDF : 298.3/18

Left In: -2.670 ± 0.176 χ^2/NDF : 256.0/9

Left: -2.168 ± 0.124 χ^2/NDF : 961.4/21

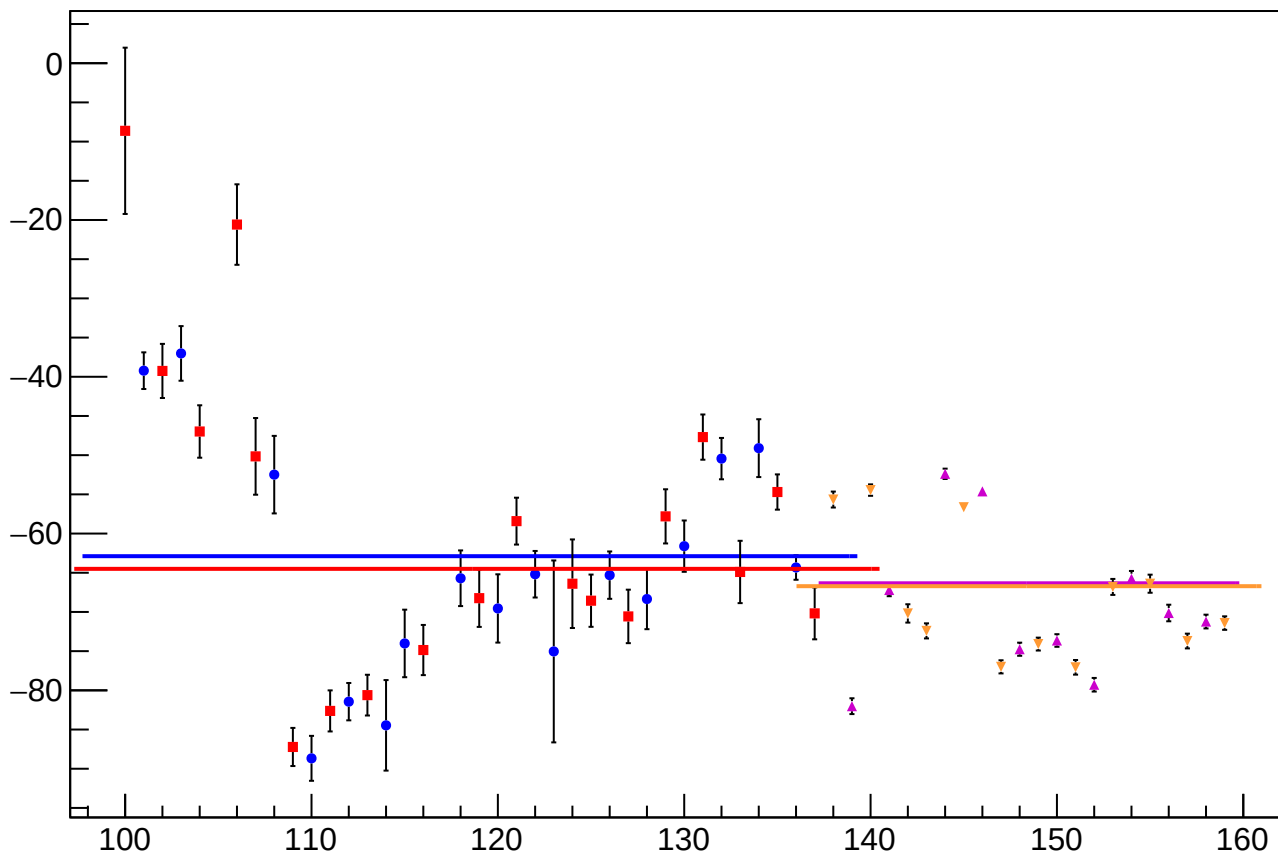
Right: -3.824 ± 0.295 χ^2/NDF : 587.0/35

In: -2.727 ± 0.161 χ^2/NDF : 537.5/26

Out: -2.106 ± 0.162 χ^2/NDF : 1030.3/30

All: -2.417 ± 0.114 χ^2/NDF : 1575.2/57

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.887 ± 0.738 $\chi^2/\text{NDF}: 368.7/16$

Left Out: -66.713 ± 0.254 $\chi^2/\text{NDF}: 1150.1/11$

Right Out: -64.502 ± 0.751 $\chi^2/\text{NDF}: 444.1/18$

Left In: -66.344 ± 0.256 $\chi^2/\text{NDF}: 1542.8/9$

Left: -66.530 ± 0.180 $\chi^2/\text{NDF}: 2693.9/21$

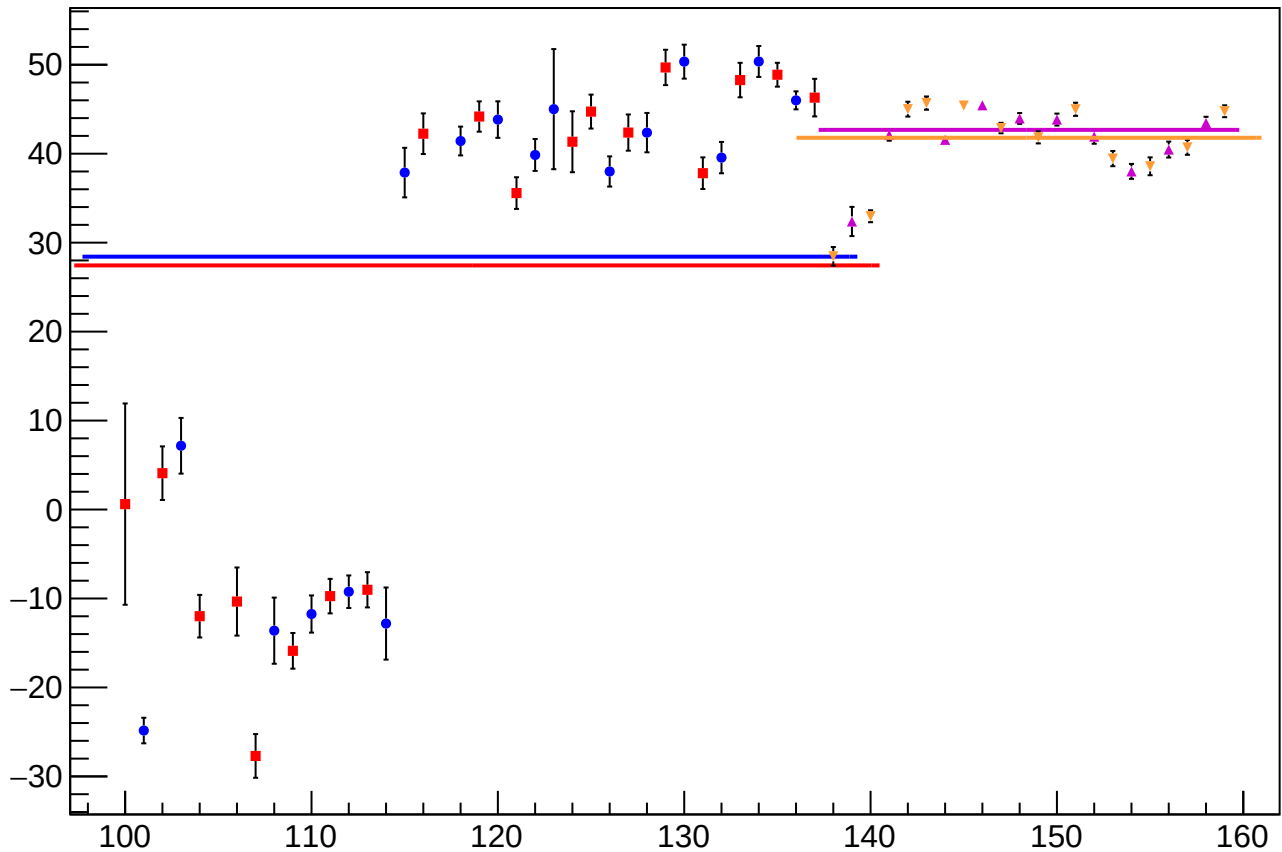
Right: -63.680 ± 0.526 $\chi^2/\text{NDF}: 815.2/35$

In: -65.973 ± 0.242 $\chi^2/\text{NDF}: 1931.1/26$

Out: -66.487 ± 0.240 $\chi^2/\text{NDF}: 1602.0/30$

All: -66.231 ± 0.170 $\chi^2/\text{NDF}: 3535.3/57$

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: 41.790 $\pm$ 0.210 χ^2 /NDF: 482.1/11

Right Out: 27.441 $\pm$ 0.479 χ^2 /NDF: 3033.0/18

Left In: 42.677 $\pm$ 0.212 χ^2 /NDF: 125.0/9

Left: 42.229 $\pm$ 0.149 χ^2 /NDF: 615.9/21

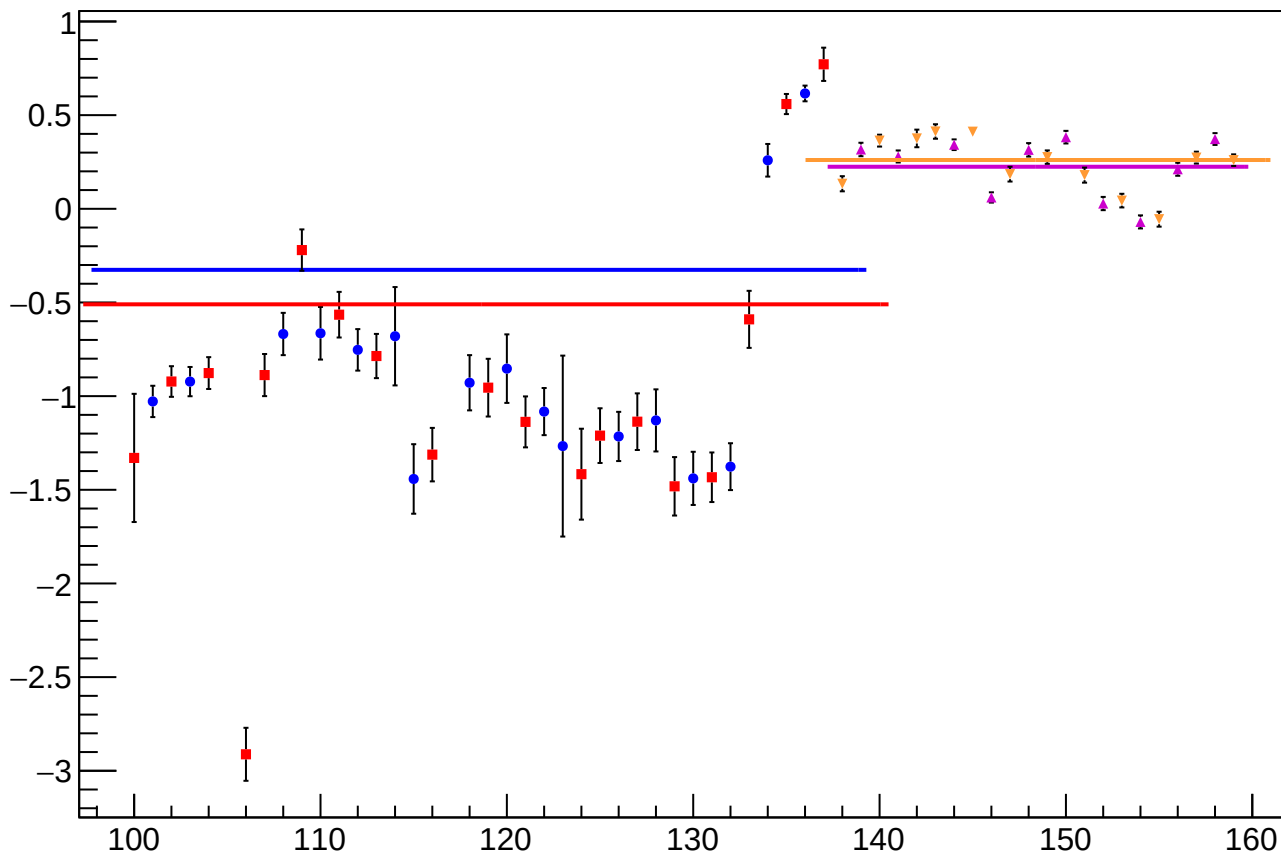
Right: 27.956 $\pm$ 0.331 χ^2 /NDF: 6365.5/35

In: 40.148 $\pm$ 0.193 χ^2 /NDF: 4255.0/26

Out: 39.472 $\pm$ 0.192 χ^2 /NDF: 4268.6/30

All: 39.810 $\pm$ 0.136 χ^2 /NDF: 8529.7/57

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: 0.261 ± 0.010 χ^2/NDF : 187.1/11

Right Out: -0.510 ± 0.026 χ^2/NDF : 1169.4/18

Left In: 0.225 ± 0.010 χ^2/NDF : 214.8/9

Left: 0.243 ± 0.007 χ^2/NDF : 408.1/21

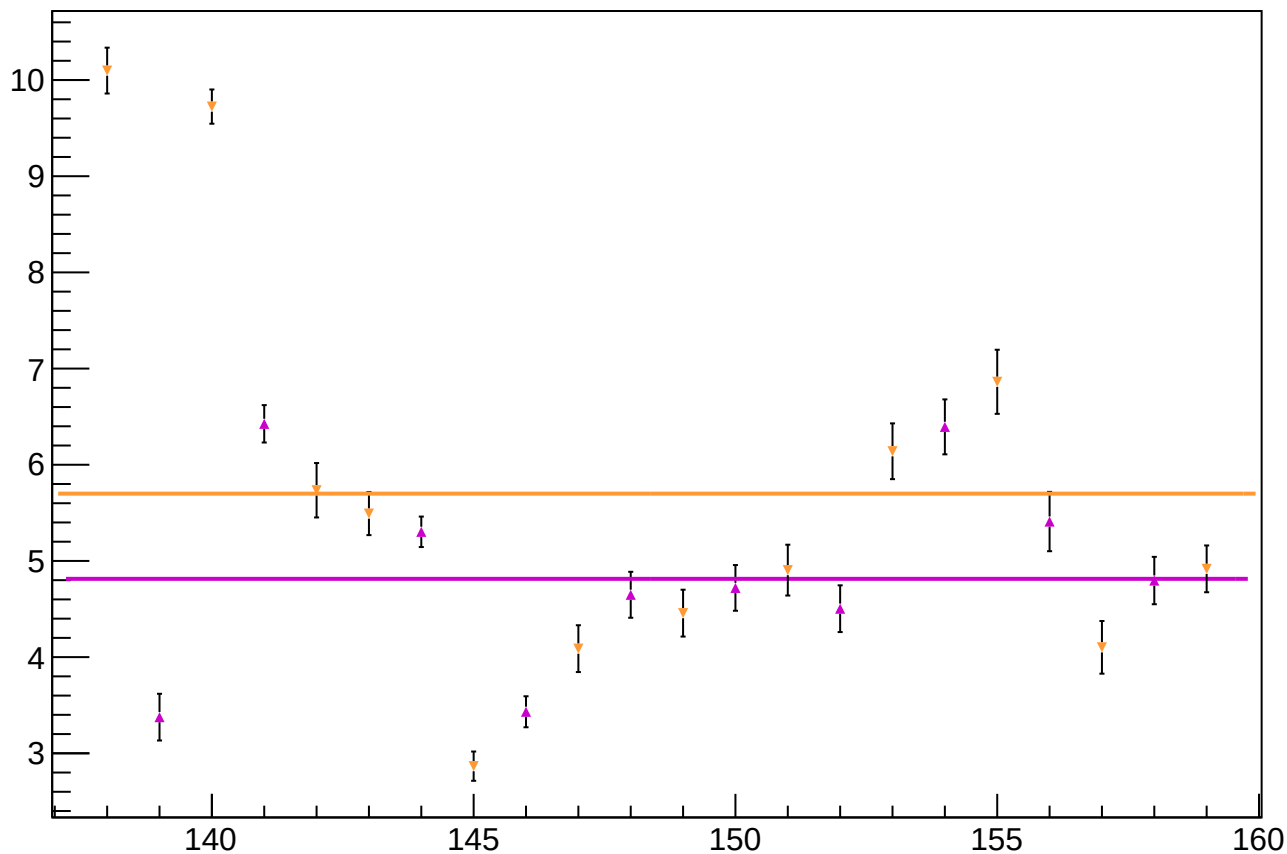
Right: -0.415 ± 0.018 χ^2/NDF : 2208.8/35

In: 0.144 ± 0.010 χ^2/NDF : 1644.9/26

Out: 0.158 ± 0.009 χ^2/NDF : 2136.0/30

All: 0.151 ± 0.007 χ^2/NDF : 3782.0/57

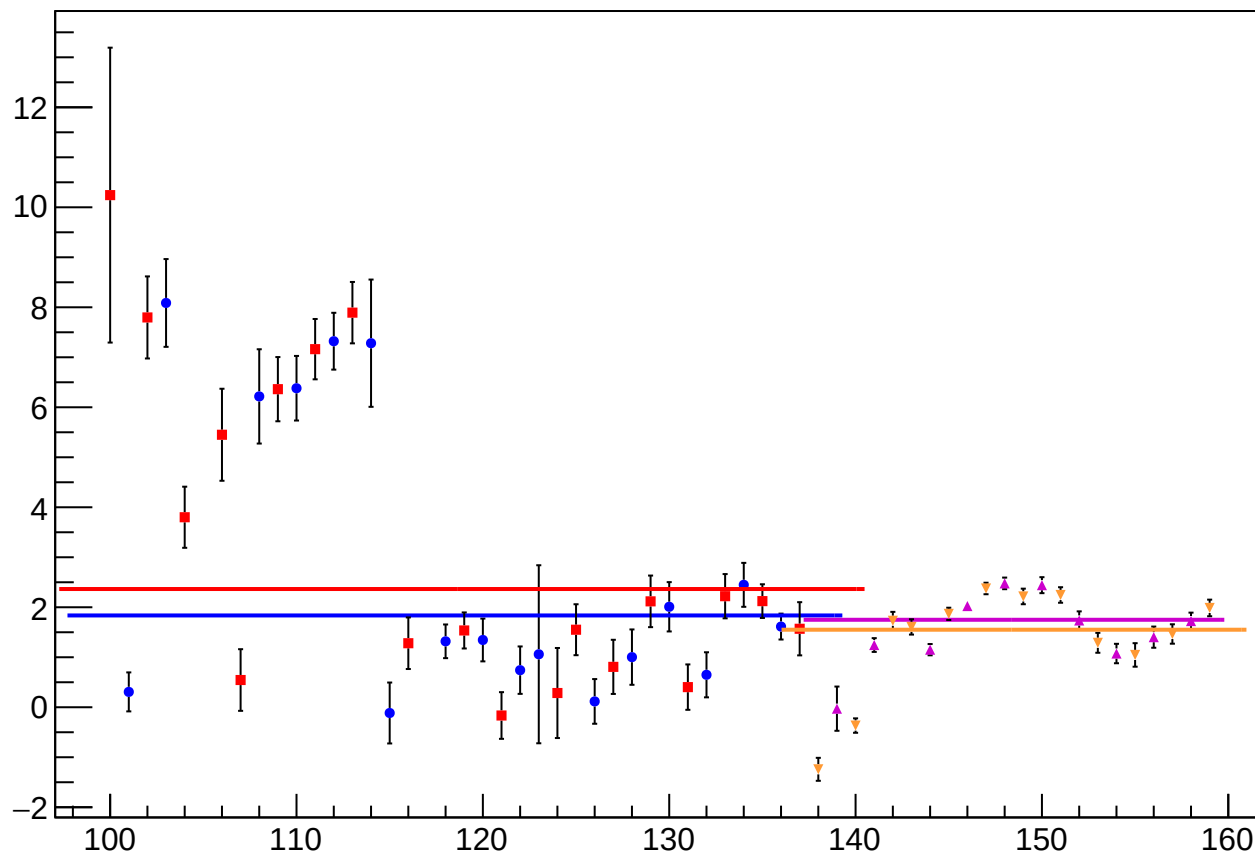
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.700+/-0.067 χ^2/NDF :1337.0/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.814+/-0.068 χ^2/NDF :223.5/9

Left: 5.268+/-0.048 χ^2/NDF : 1646.2/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 4.814+/-0.068 χ^2/NDF :223.5/9
 Out: 5.700+/-0.067 χ^2/NDF :1337.0/11
 All: 5.268+/-0.048 χ^2/NDF : 1646.2/21

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.836 ± 0.116 χ^2/NDF : 294.9/16

Left Out: 1.551 ± 0.046 χ^2/NDF : 435.2/11

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.4/18

Left In: 1.750 ± 0.046 χ^2/NDF : 138.4/9

Left: 1.650 ± 0.033 χ^2/NDF : 582.9/21

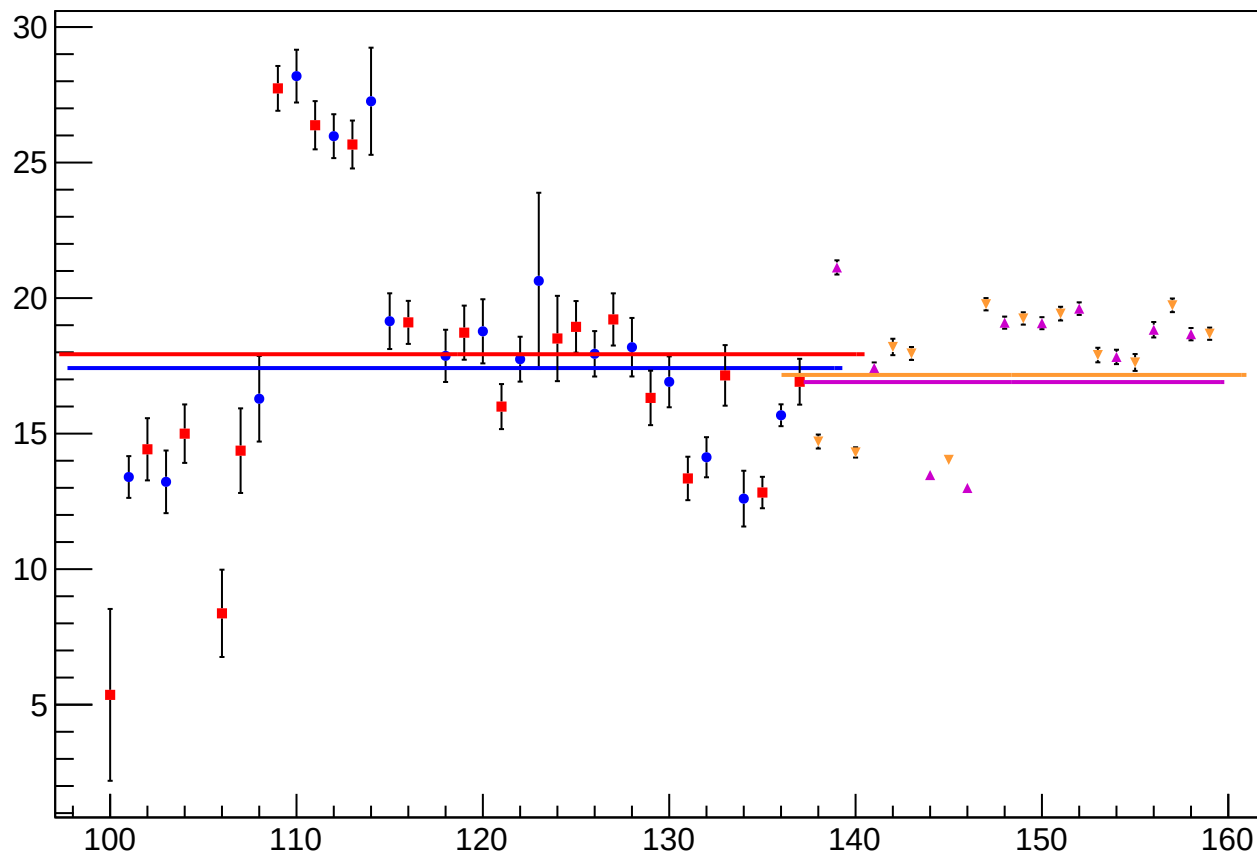
Right: 2.086 ± 0.084 χ^2/NDF : 641.1/35

In: 1.761 ± 0.043 χ^2/NDF : 433.8/26

Out: 1.651 ± 0.043 χ^2/NDF : 810.2/30

All: 1.707 ± 0.030 χ^2/NDF : 1247.3/57

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: 17.165 $\pm$ 0.067 χ^2 /NDF:1170.2/11

Right Out: 17.929 $\pm$ 0.219 χ^2 /NDF: 506.3/18

Left In: 16.902 $\pm$ 0.068 χ^2 /NDF:1758.2/9

Left: 17.035 $\pm$ 0.048 χ^2 /NDF: 2936.0/21

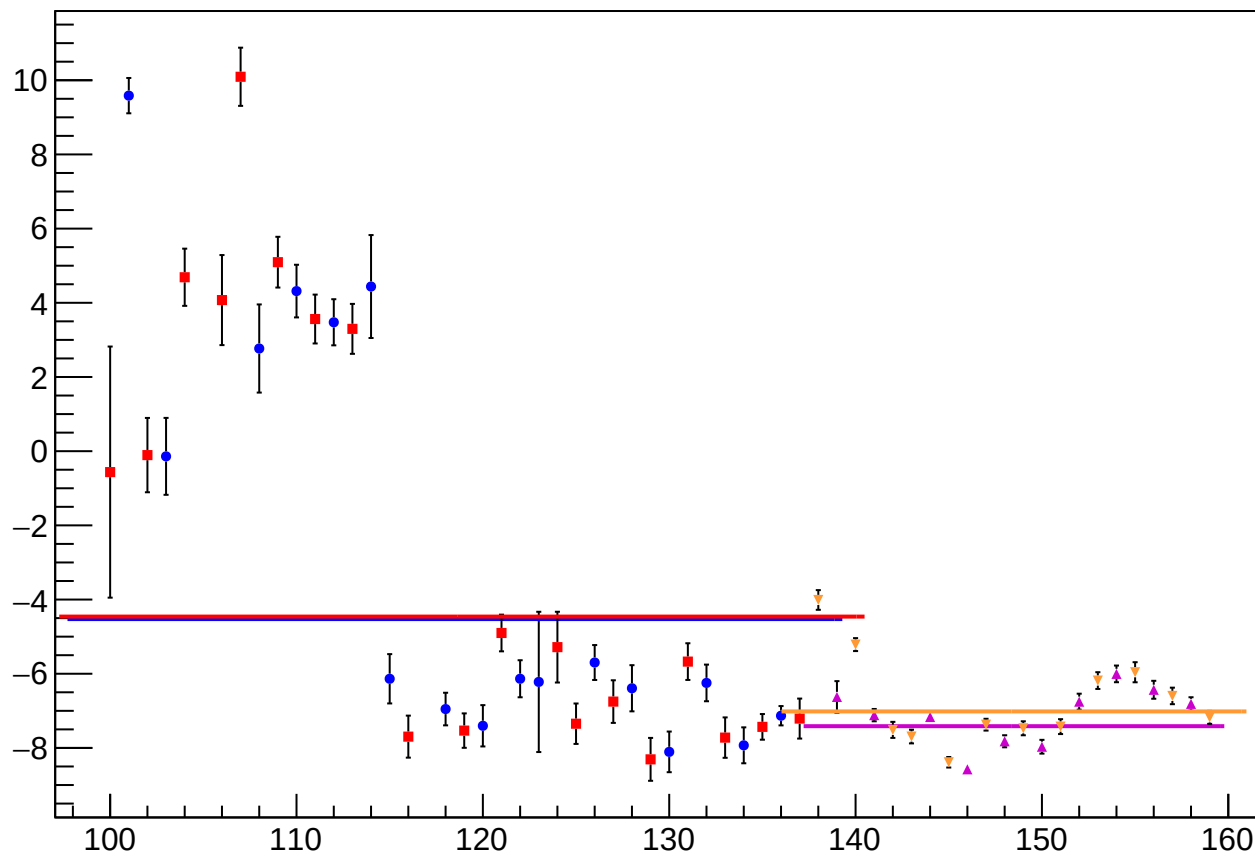
Right: 17.665 $\pm$ 0.152 χ^2 /NDF: 876.0/35

In: 16.950 $\pm$ 0.064 χ^2 /NDF:2130.4/26

Out: 17.231 $\pm$ 0.064 χ^2 /NDF:1687.6/30

All: 17.091 $\pm$ 0.045 χ^2 /NDF: 3827.6/57

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: -7.016 ± 0.055 χ^2/NDF : 394.7/11

Right Out: -4.459 ± 0.137 χ^2/NDF : 1338.9/18

Left In: -7.414 ± 0.056 χ^2/NDF : 189.6/9

Left: -7.213 ± 0.039 χ^2/NDF : 609.8/21

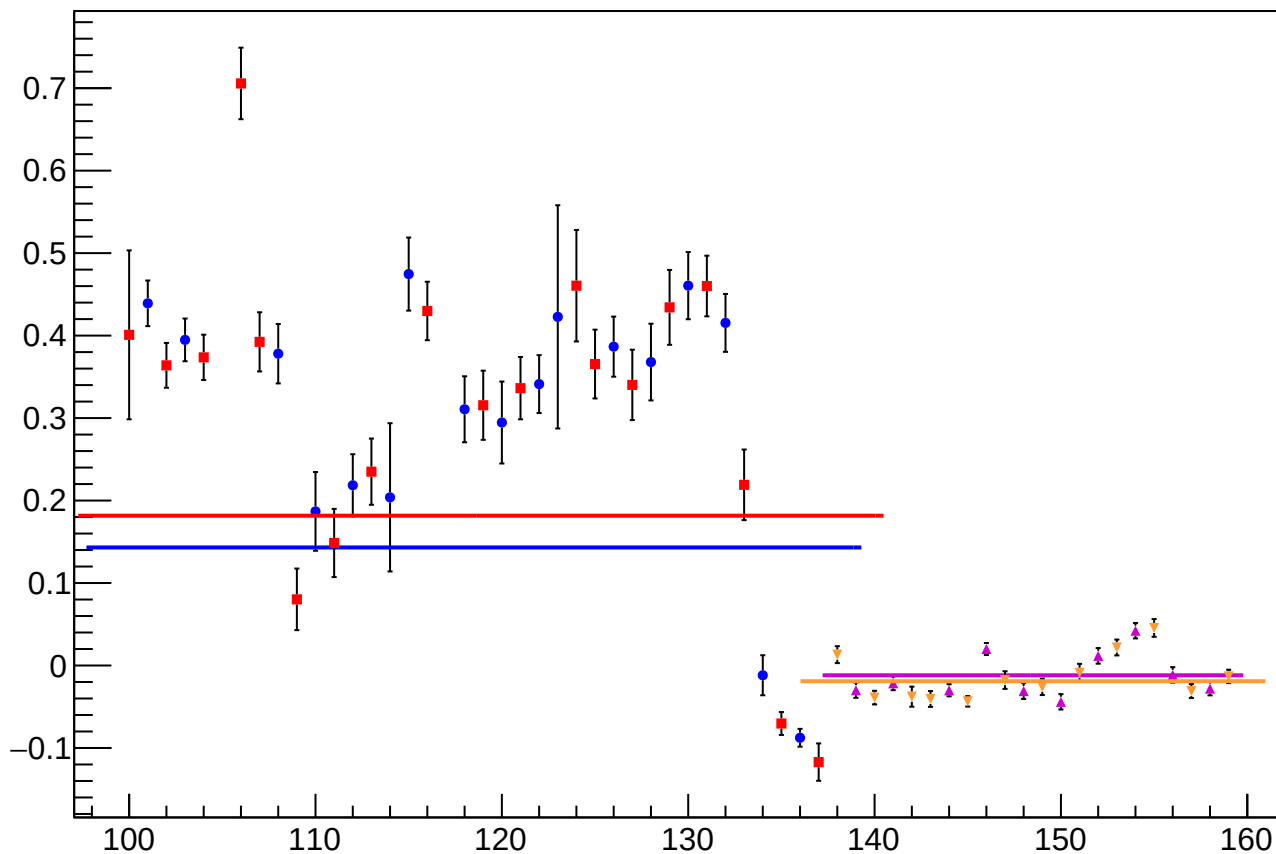
Right: -4.494 ± 0.094 χ^2/NDF : 2929.2/35

In: -6.959 ± 0.051 χ^2/NDF : 2198.7/26

Out: -6.656 ± 0.051 χ^2/NDF : 2033.1/30

All: -6.808 ± 0.036 χ^2/NDF : 4249.2/57

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: -0.019 ± 0.003 $\chi^2/\text{NDF}: 95.7/11$

Right Out: 0.182 ± 0.007 $\chi^2/\text{NDF}: 1007.8/18$

Left In: -0.012 ± 0.003 $\chi^2/\text{NDF}: 90.3/9$

Left: -0.016 ± 0.002 $\chi^2/\text{NDF}: 189.6/21$

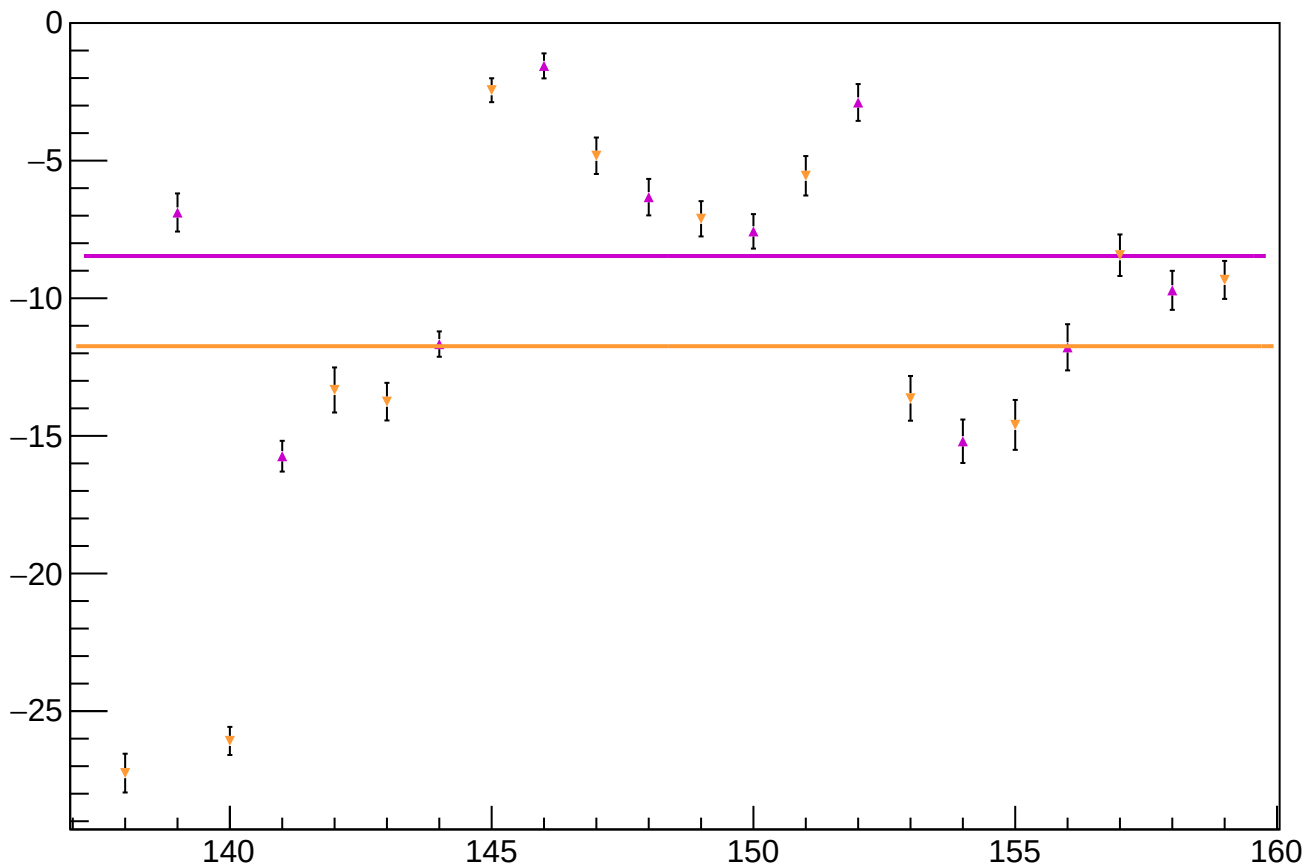
Right: 0.161 ± 0.005 $\chi^2/\text{NDF}: 2082.4/35$

In: 0.008 ± 0.003 $\chi^2/\text{NDF}: 1571.2/26$

Out: 0.004 ± 0.002 $\chi^2/\text{NDF}: 1757.6/30$

All: 0.006 ± 0.002 $\chi^2/\text{NDF}: 3330.3/57$

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: -11.742+/-0.189 χ^2/NDF :2027.5/11

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

Left In: -8.465+/-0.193 χ^2/NDF :627.5/9

Left: -10.137+/-0.135 χ^2/NDF : 2802.5/21

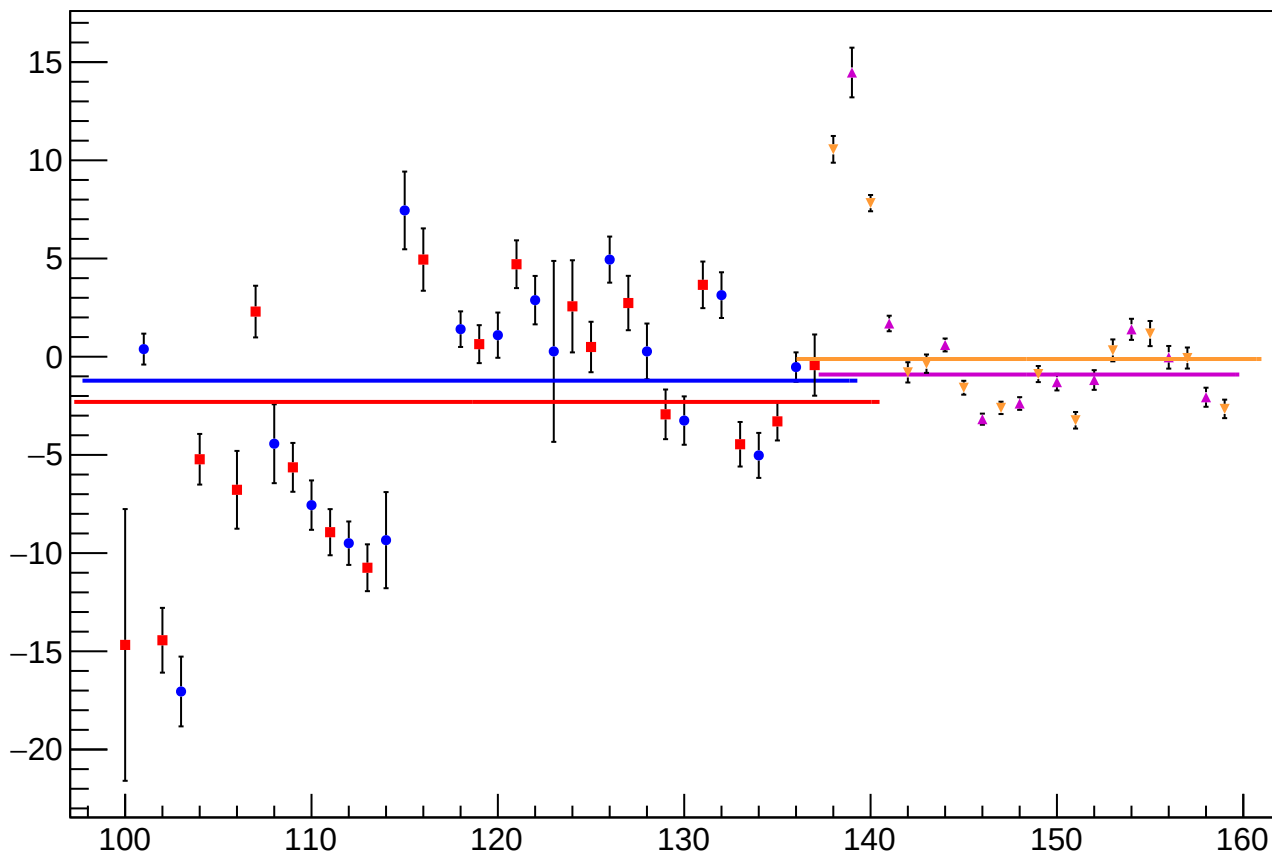
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.465+/-0.193 χ^2/NDF :627.5/9

Out: -11.742+/-0.189 χ^2/NDF :2027.5/11

All: -10.137+/-0.135 χ^2/NDF : 2802.5/21

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.220 ± 0.290 $\chi^2/\text{NDF}: 278.6/16$

Left Out: -0.117 ± 0.130 $\chi^2/\text{NDF}: 786.7/11$

Right Out: -2.302 ± 0.302 $\chi^2/\text{NDF}: 286.2/18$

Left In: -0.907 ± 0.131 $\chi^2/\text{NDF}: 324.9/9$

Left: -0.509 ± 0.092 $\chi^2/\text{NDF}: 1130.1/21$

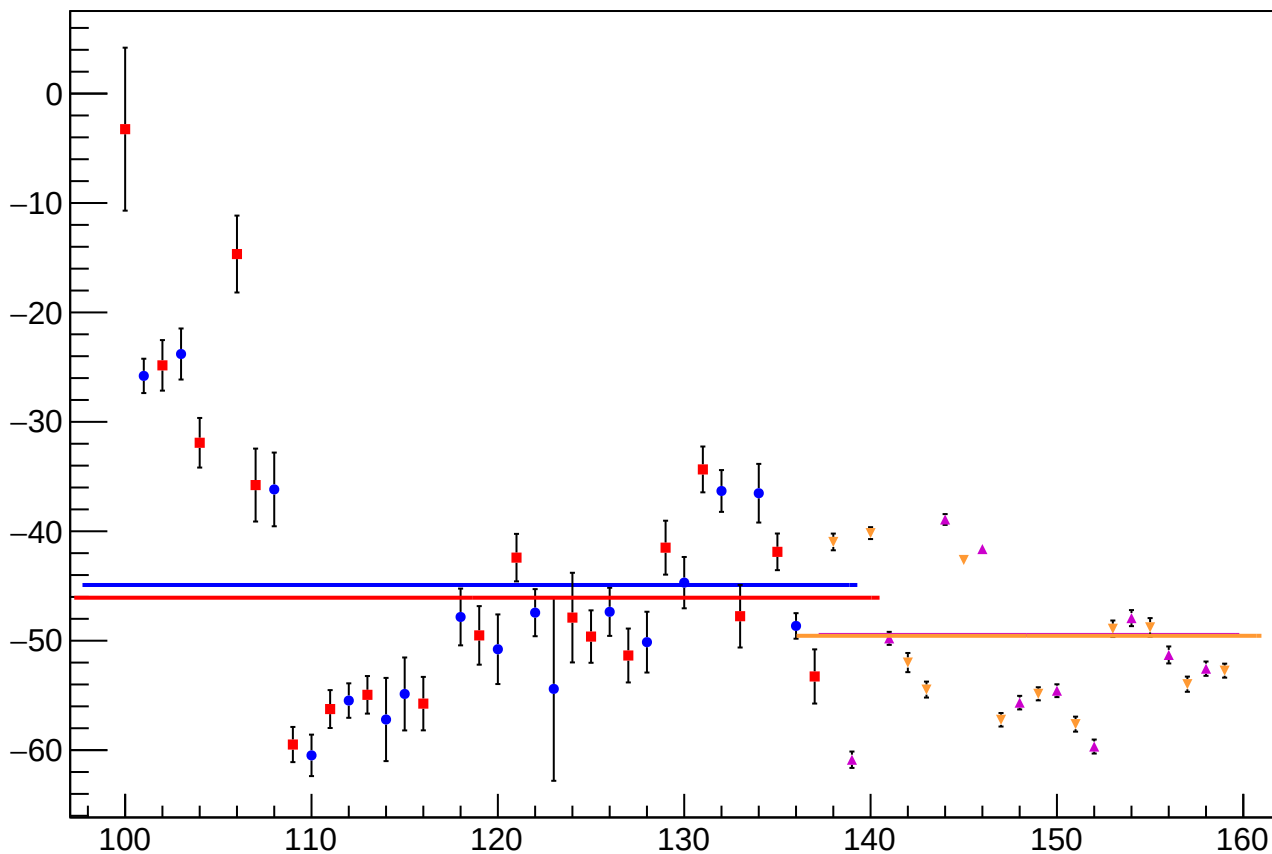
Right: -1.738 ± 0.209 $\chi^2/\text{NDF}: 571.5/35$

In: -0.960 ± 0.119 $\chi^2/\text{NDF}: 604.5/26$

Out: -0.455 ± 0.119 $\chi^2/\text{NDF}: 1117.0/30$

All: -0.708 ± 0.084 $\chi^2/\text{NDF}: 1730.5/57$

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.908 ± 0.523 χ^2/NDF : 421.2/16

Left Out: -49.552 ± 0.188 χ^2/NDF : 1141.5/11

Right Out: -46.071 ± 0.528 χ^2/NDF : 454.0/18

Left In: -49.473 ± 0.190 χ^2/NDF : 1473.1/9

Left: -49.513 ± 0.134 χ^2/NDF : 2614.7/21

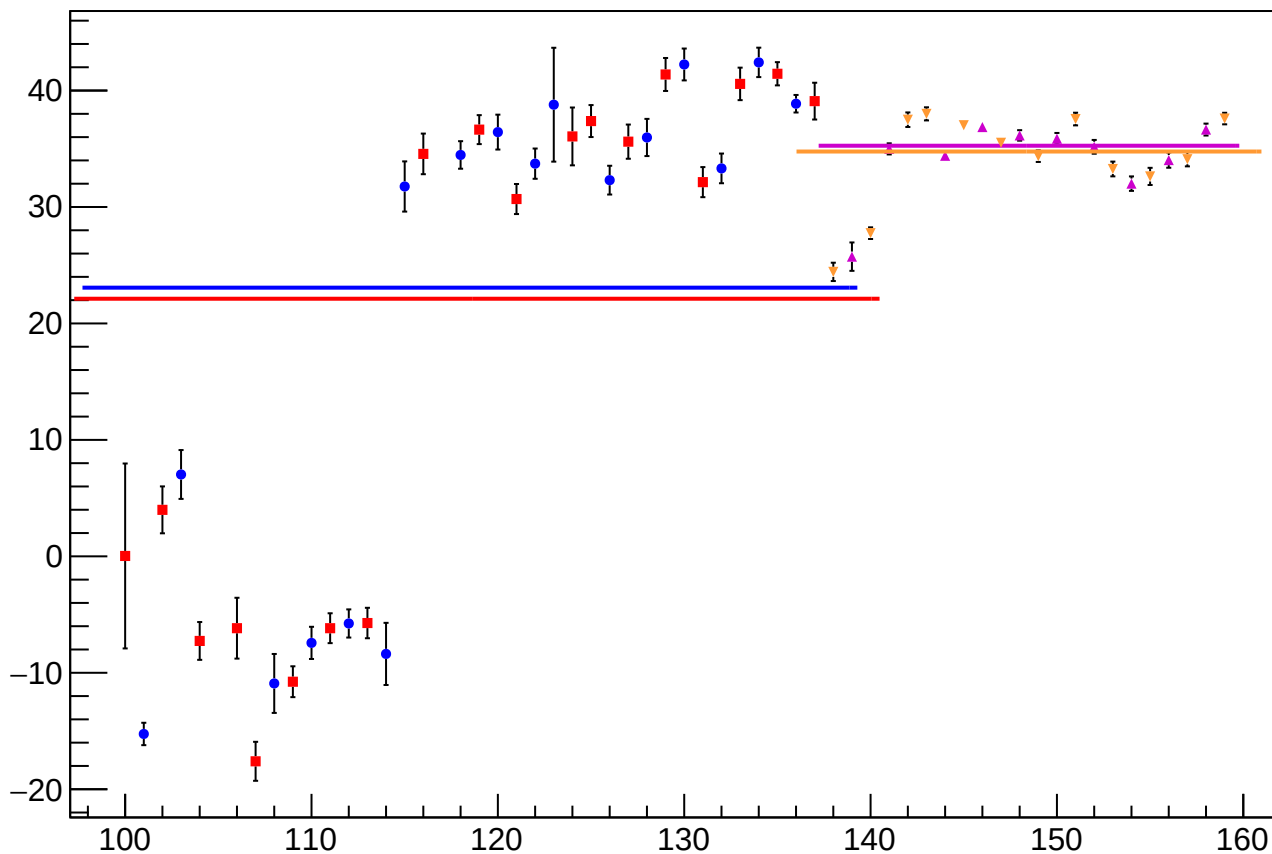
Right: -45.483 ± 0.371 χ^2/NDF : 877.6/35

In: -48.941 ± 0.178 χ^2/NDF : 1961.7/26

Out: -49.159 ± 0.177 χ^2/NDF : 1634.0/30

All: -49.051 ± 0.126 χ^2/NDF : 3596.5/57

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: 34.763 $\pm$ 0.156 χ^2 /NDF:528.7/11

Right Out: 22.122 $\pm$ 0.340 χ^2 /NDF: 4034.4/18

Left In: 35.262 $\pm$ 0.158 χ^2 /NDF:130.3/9

Left: 35.010 $\pm$ 0.111 χ^2 /NDF: 664.0/21

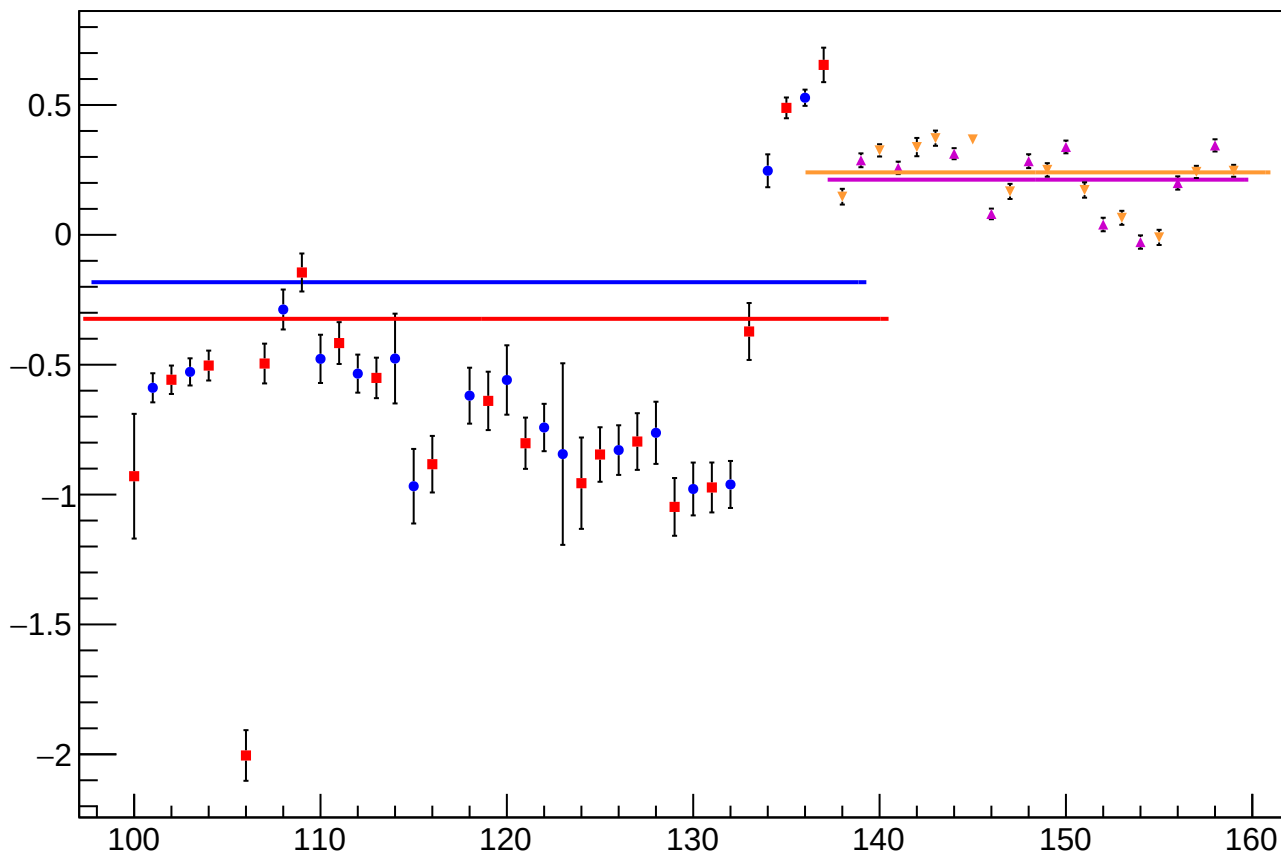
Right: 22.617 $\pm$ 0.235 χ^2 /NDF: 8384.4/35

In: 32.950 $\pm$ 0.142 χ^2 /NDF:5609.0/26

Out: 32.565 $\pm$ 0.142 χ^2 /NDF:5705.9/30

All: 32.757 $\pm$ 0.100 χ^2 /NDF: 11318.6/57

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: 0.241 ± 0.007 χ^2/NDF : 226.7/11

Right Out: -0.323 ± 0.018 χ^2/NDF : 1184.5/18

Left In: 0.212 ± 0.008 χ^2/NDF : 271.3/9

Left: 0.227 ± 0.005 χ^2/NDF : 504.9/21

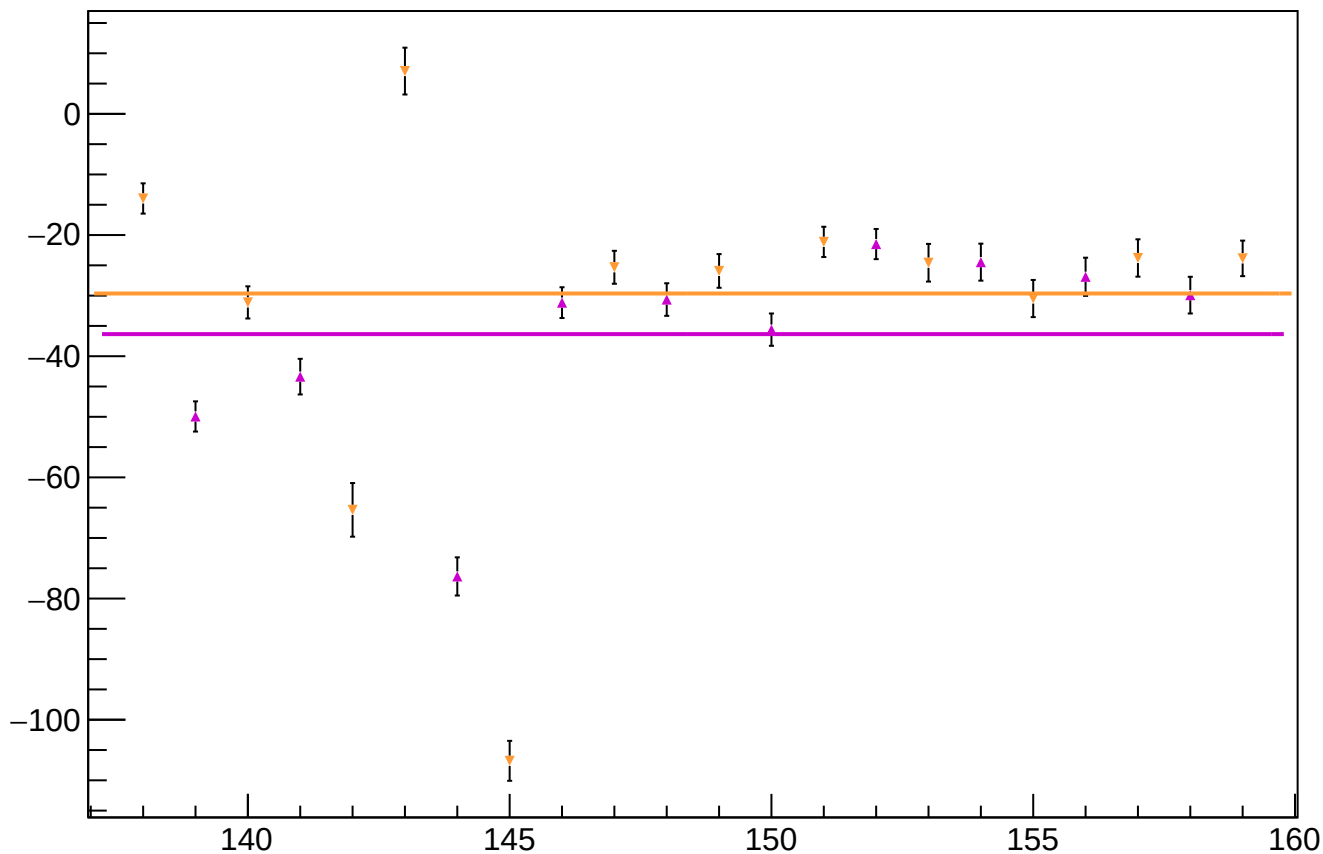
Right: -0.251 ± 0.013 χ^2/NDF : 2213.4/35

In: 0.151 ± 0.007 χ^2/NDF : 1687.5/26

Out: 0.159 ± 0.007 χ^2/NDF : 2236.0/30

All: 0.155 ± 0.005 χ^2/NDF : 3924.3/57

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -29.648+/-0.855 χ^2/NDF : 768.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -36.353+/-0.881 χ^2/NDF : 269.4/9

Left: -32.900+/-0.613 χ^2/NDF : 1068.1/21

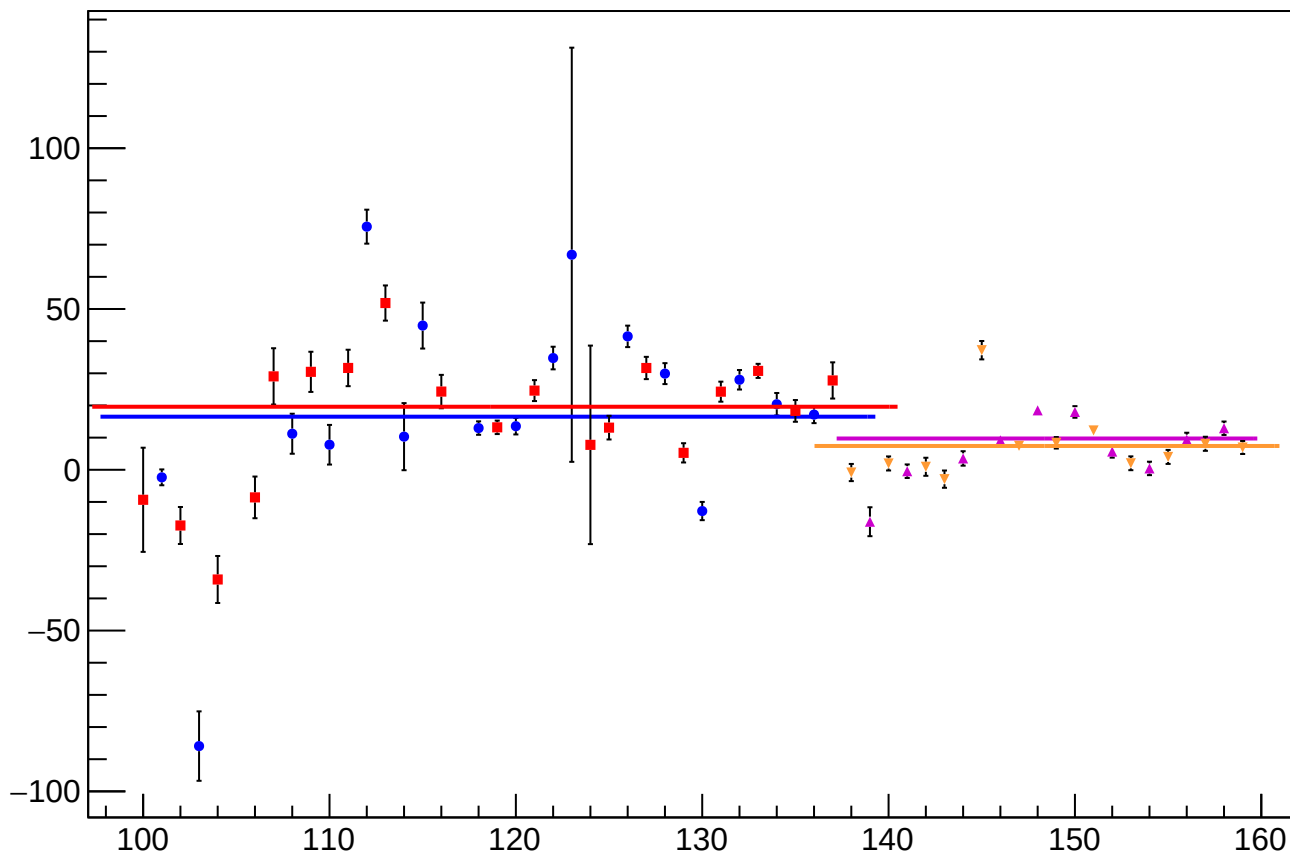
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -36.353+/-0.881 χ^2/NDF : 269.4/9

Out: -29.648+/-0.855 χ^2/NDF : 768.8/11

All: -32.900+/-0.613 χ^2/NDF : 1068.1/21

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.512 ± 0.847 $\chi^2/\text{NDF}: 519.6/16$

Left Out: 7.404 ± 0.575 $\chi^2/\text{NDF}: 165.2/11$

Right Out: 19.604 ± 0.898 $\chi^2/\text{NDF}: 242.0/18$

Left In: 9.727 ± 0.601 $\chi^2/\text{NDF}: 156.7/9$

Left: 8.514 ± 0.415 $\chi^2/\text{NDF}: 329.8/21$

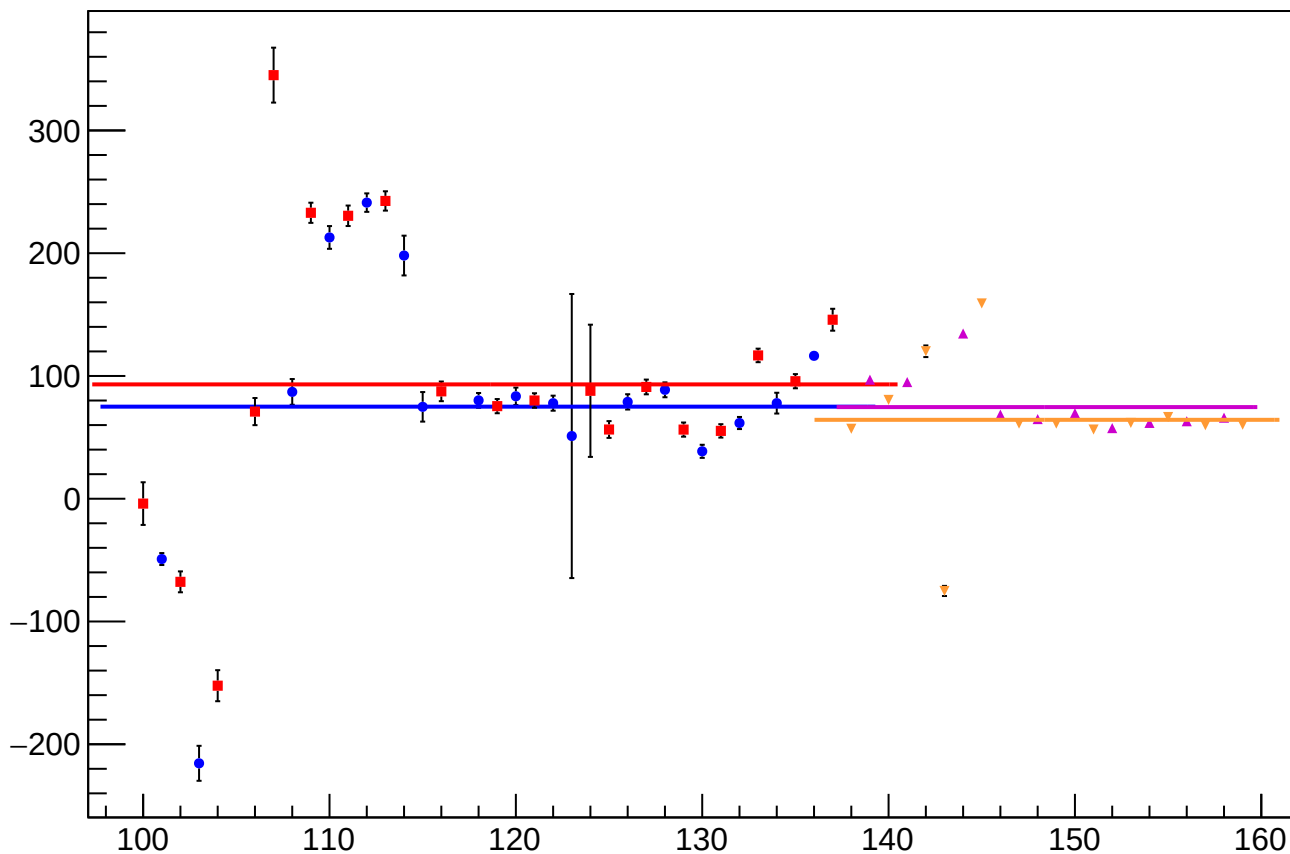
Right: 17.968 ± 0.616 $\chi^2/\text{NDF}: 767.9/35$

In: 11.997 ± 0.490 $\chi^2/\text{NDF}: 719.0/26$

Out: 10.945 ± 0.484 $\chi^2/\text{NDF}: 538.1/30$

All: 11.464 ± 0.344 $\chi^2/\text{NDF}: 1259.4/57$

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.009+/-1.636 χ^2/NDF : 1999.3/16

Left Out: 64.280+/-0.836 χ^2/NDF : 2107.6/11

Right Out: 93.140+/-1.711 χ^2/NDF : 2002.3/18

Left In: 74.653+/-0.857 χ^2/NDF : 549.6/9

Left: 69.338+/-0.599 χ^2/NDF : 2732.1/21

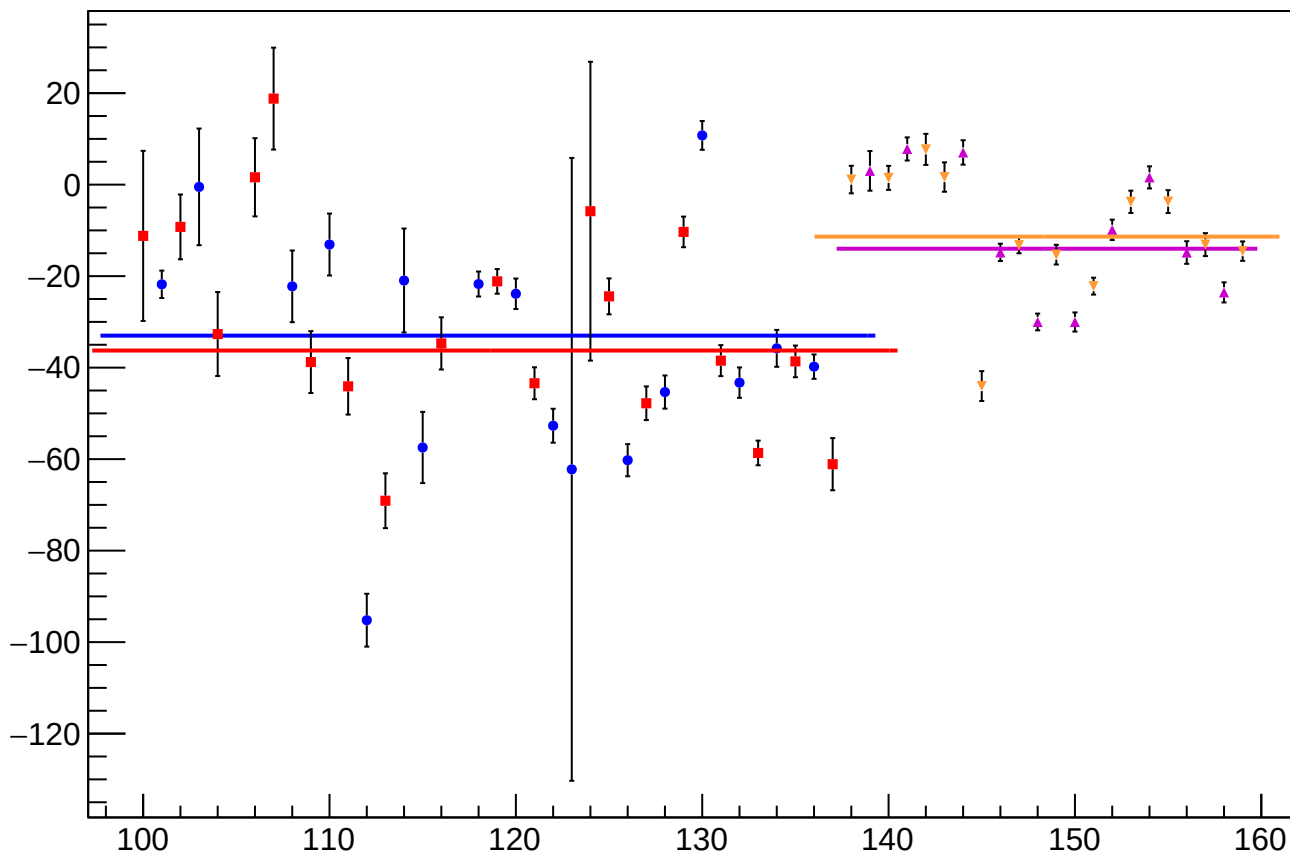
Right: 83.668+/-1.183 χ^2/NDF : 4060.3/35

In: 74.730+/-0.759 χ^2/NDF : 2549.0/26

Out: 69.846+/-0.751 χ^2/NDF : 4339.5/30

All: 72.262+/-0.534 χ^2/NDF : 6909.3/57

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: -11.365 ± 0.695 $\chi^2/\text{NDF}: 250.3/11$

Right Out: -36.260 ± 1.025 $\chi^2/\text{NDF}: 297.1/18$

Left In: -14.006 ± 0.726 $\chi^2/\text{NDF}: 351.7/9$

Left: -12.629 ± 0.502 $\chi^2/\text{NDF}: 608.9/21$

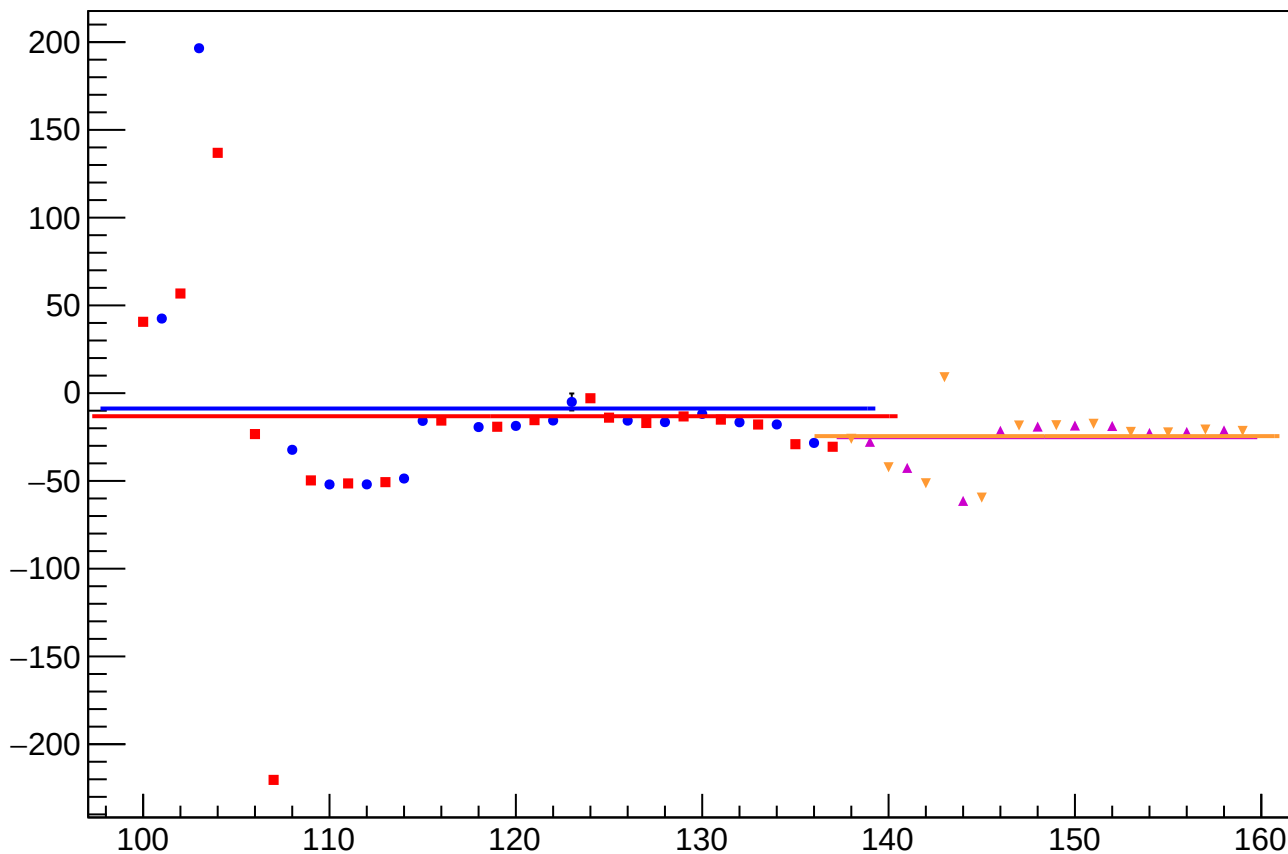
Right: -34.545 ± 0.705 $\chi^2/\text{NDF}: 795.4/35$

In: -20.808 ± 0.581 $\chi^2/\text{NDF}: 1090.2/26$

Out: -19.209 ± 0.576 $\chi^2/\text{NDF}: 951.1/30$

All: -20.000 ± 0.409 $\chi^2/\text{NDF}: 2045.2/57$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.751 ± 0.059 χ^2/NDF : 576012.4/16

Left Out: -24.483 ± 0.033 χ^2/NDF : 163190.3/11

Right Out: -13.143 ± 0.062 χ^2/NDF : 558628.0/18

Left In: -25.092 ± 0.034 χ^2/NDF : 95965.2/9

Left: -24.781 ± 0.023 χ^2/NDF : 259324.4/21

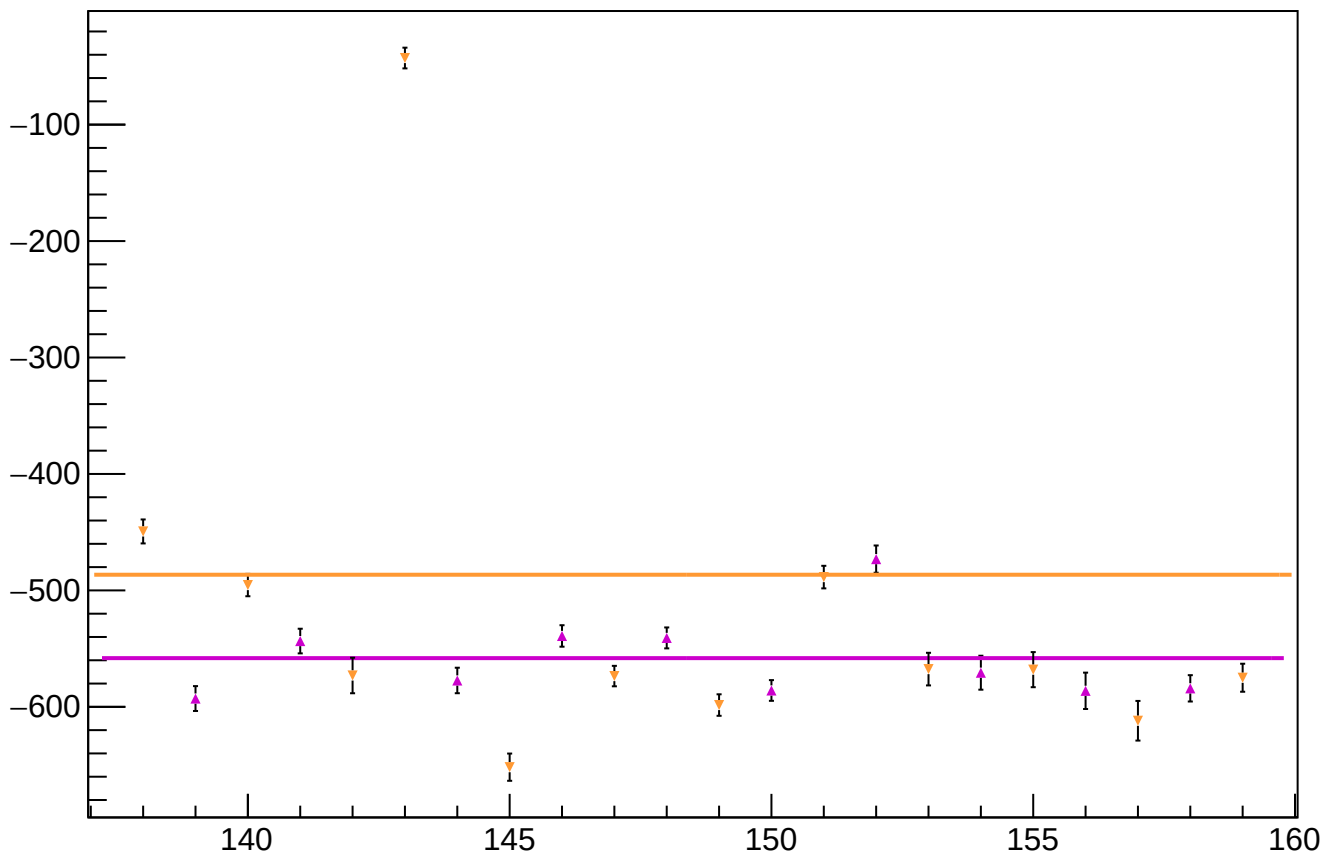
Right: -10.840 ± 0.043 χ^2/NDF : 1137294.9/35

In: -21.087 ± 0.029 χ^2/NDF : 730271.7/26

Out: -21.986 ± 0.029 χ^2/NDF : 748133.3/30

All: -21.539 ± 0.021 χ^2/NDF : 1478884.0/57

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -486.538+/-3.167 χ^2/NDF :3148.0/11

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

Left In: -558.167+/-3.395 χ^2/NDF :95.4/9

Left: -519.862+/-2.316 χ^2/NDF : 3481.5/21

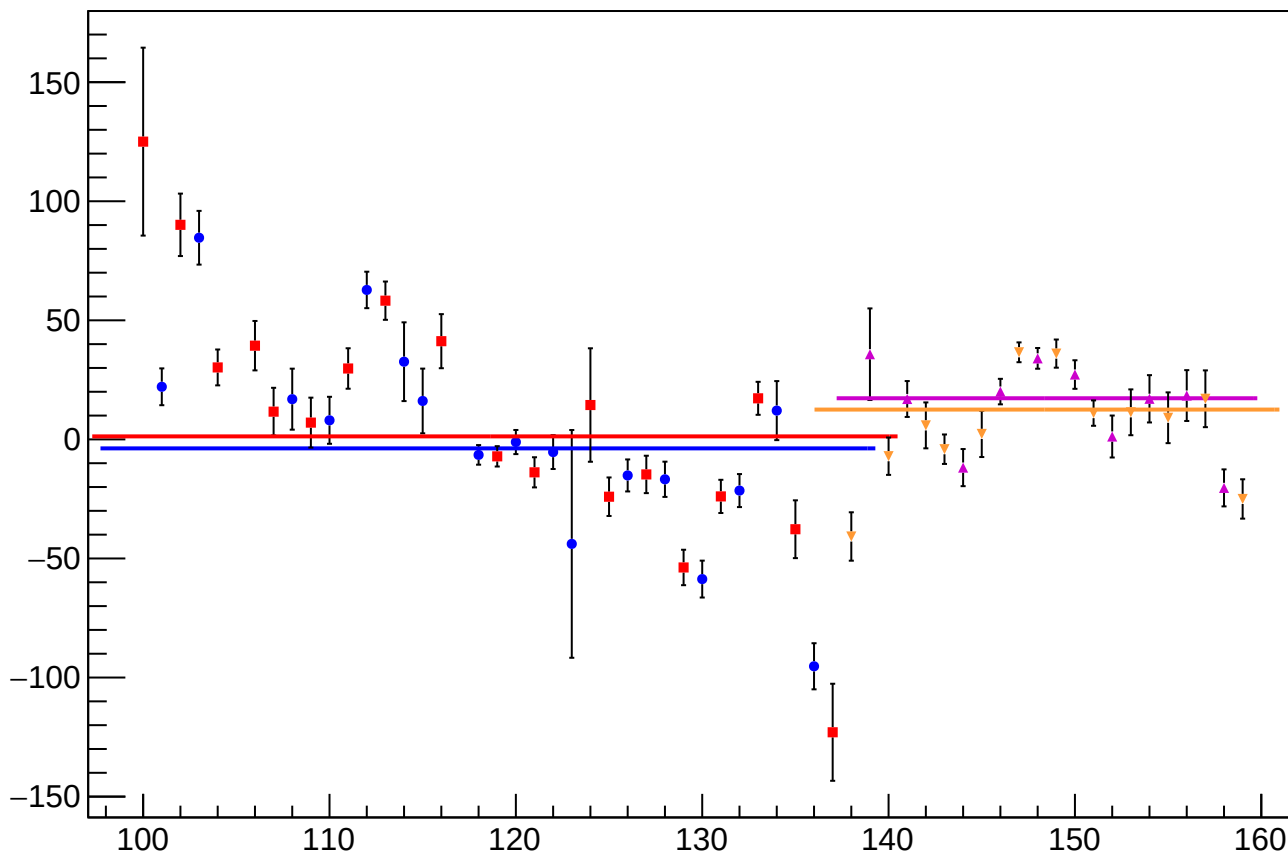
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -558.167+/-3.395 χ^2/NDF :95.4/9

Out: -486.538+/-3.167 χ^2/NDF :3148.0/11

All: -519.862+/-2.316 χ^2/NDF : 3481.5/21

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.773 ± 1.889 χ^2/NDF : 314.3/16

Left Out: 12.523 ± 2.058 χ^2/NDF : 112.7/11

Right Out: 1.265 ± 1.920 χ^2/NDF : 303.7/18

Left In: 17.277 ± 2.233 χ^2/NDF : 59.5/9

Left: 14.706 ± 1.513 χ^2/NDF : 174.7/21

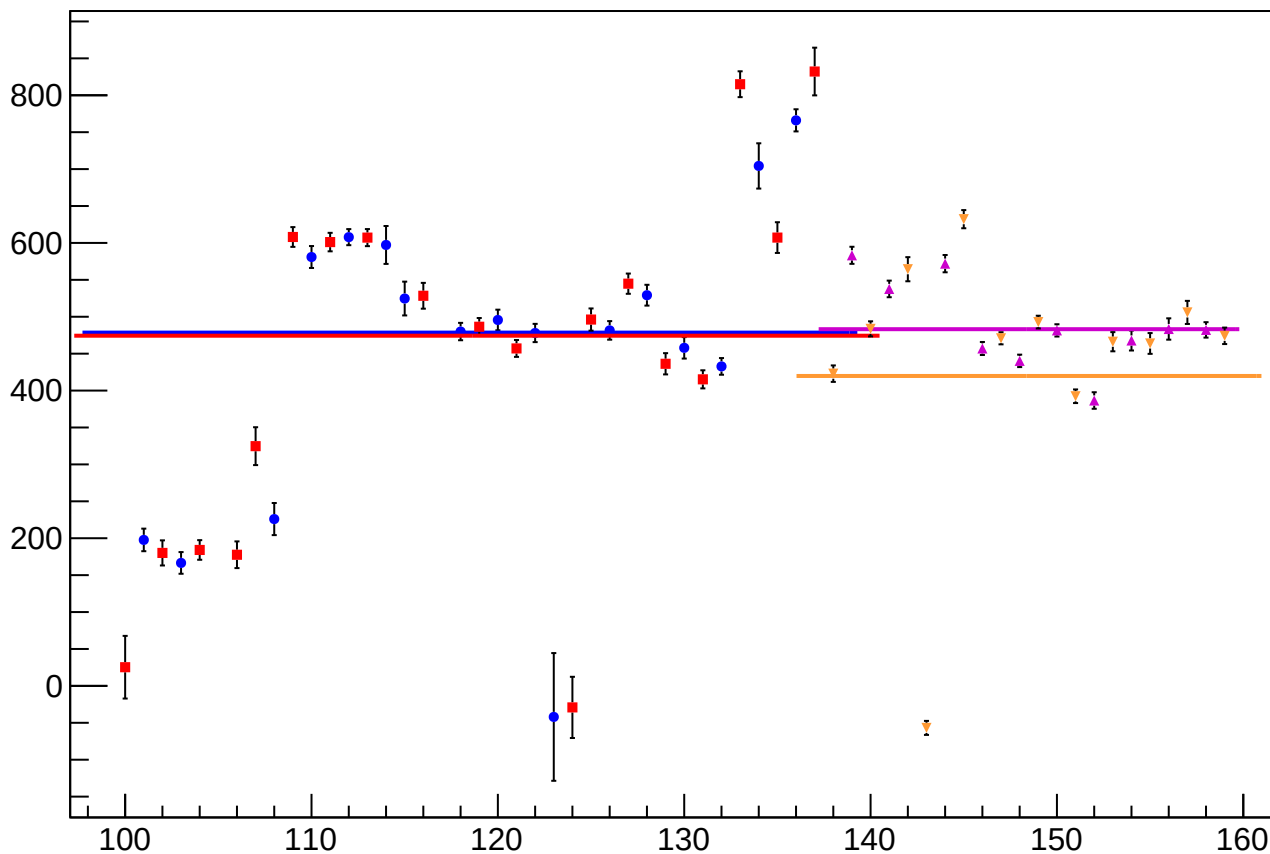
Right: -1.296 ± 1.346 χ^2/NDF : 621.6/35

In: 5.004 ± 1.442 χ^2/NDF : 425.7/26

Out: 6.506 ± 1.404 χ^2/NDF : 432.4/30

All: 5.775 ± 1.006 χ^2/NDF : 858.6/57

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: 419.787 $\pm$ 3.129 χ^2 /NDF:3129.1/11

Right Out: 474.328 $\pm$ 3.533 χ^2 /NDF: 2287.1/18

Left In: 483.158 $\pm$ 3.307 χ^2 /NDF:266.3/9

Left: 449.723 $\pm$ 2.273 χ^2 /NDF: 3589.2/21

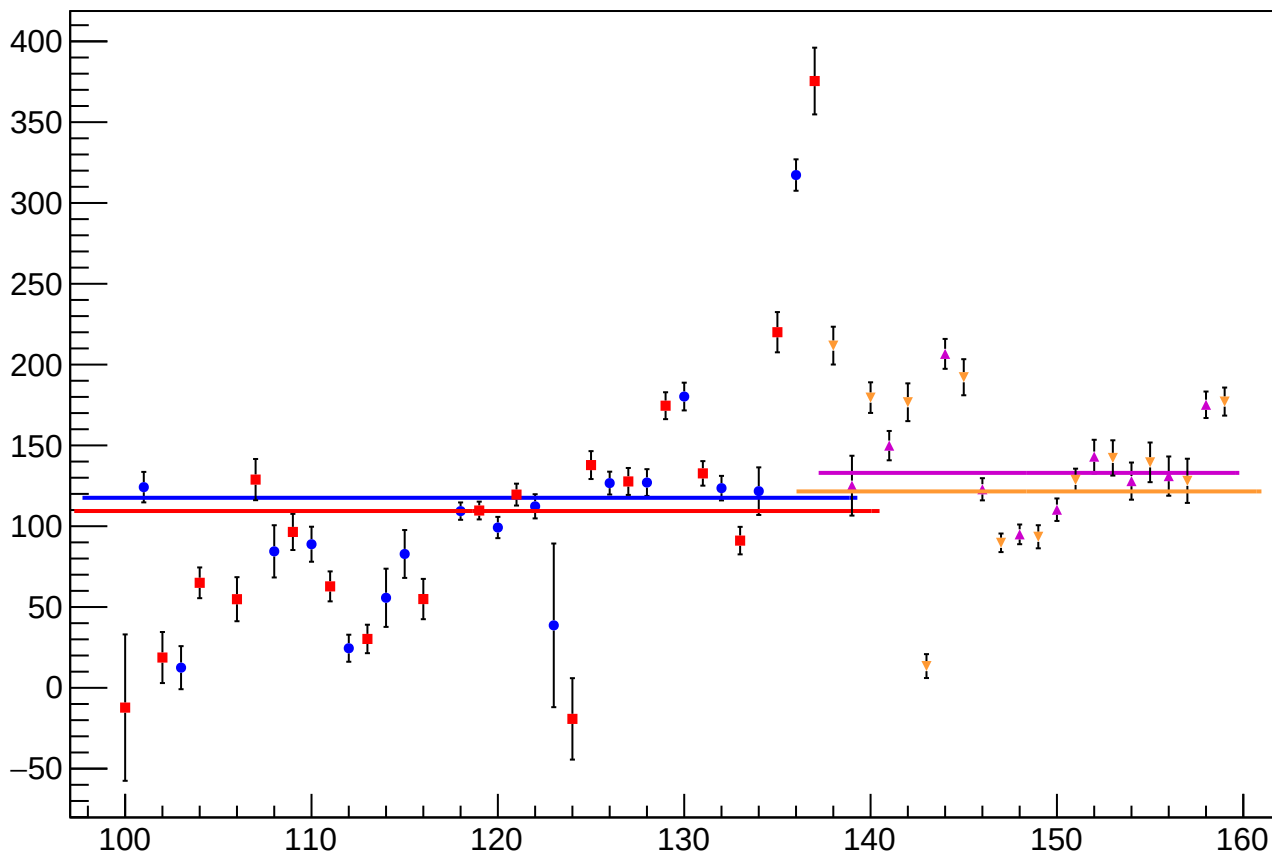
Right: 476.370 $\pm$ 2.532 χ^2 /NDF: 3916.8/35

In: 481.058 $\pm$ 2.444 χ^2 /NDF:1896.2/26

Out: 443.763 $\pm$ 2.342 χ^2 /NDF:5549.8/30

All: 461.614 $\pm$ 1.691 χ^2 /NDF: 7567.3/57

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: 121.529 $\pm$ 2.529 χ^2 /NDF: 467.0/11

Right Out: 109.400 $\pm$ 2.210 χ^2 /NDF: 571.2/18

Left In: 132.997 $\pm$ 2.731 χ^2 /NDF: 146.5/9

Left: 126.822 $\pm$ 1.856 χ^2 /NDF: 623.0/21

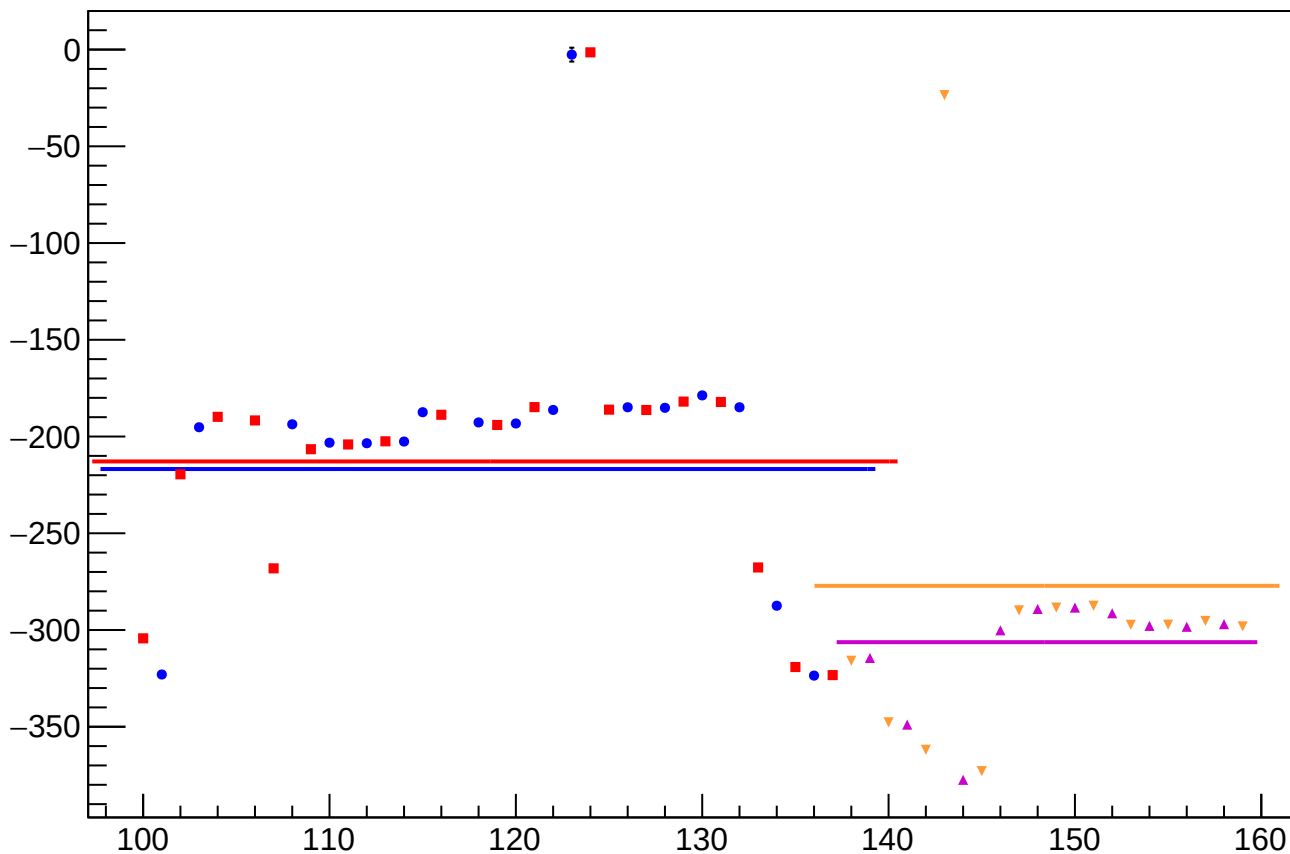
Right: 113.524 $\pm$ 1.557 χ^2 /NDF: 1285.0/35

In: 123.626 $\pm$ 1.710 χ^2 /NDF: 872.8/26

Out: 114.651 $\pm$ 1.664 χ^2 /NDF: 1051.2/30

All: 119.017 $\pm$ 1.193 χ^2 /NDF: 1938.1/57

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -216.796+/-0.136 χ^2/NDF : 146976.1/16

Left Out: -277.158+/-0.127 χ^2/NDF : 543359.2/11

Right Out: -212.869+/-0.130 χ^2/NDF : 116393.6/18

Left In: -306.286+/-0.132 χ^2/NDF : 35797.1/9

Left: -291.113+/-0.091 χ^2/NDF : 604460.2/21

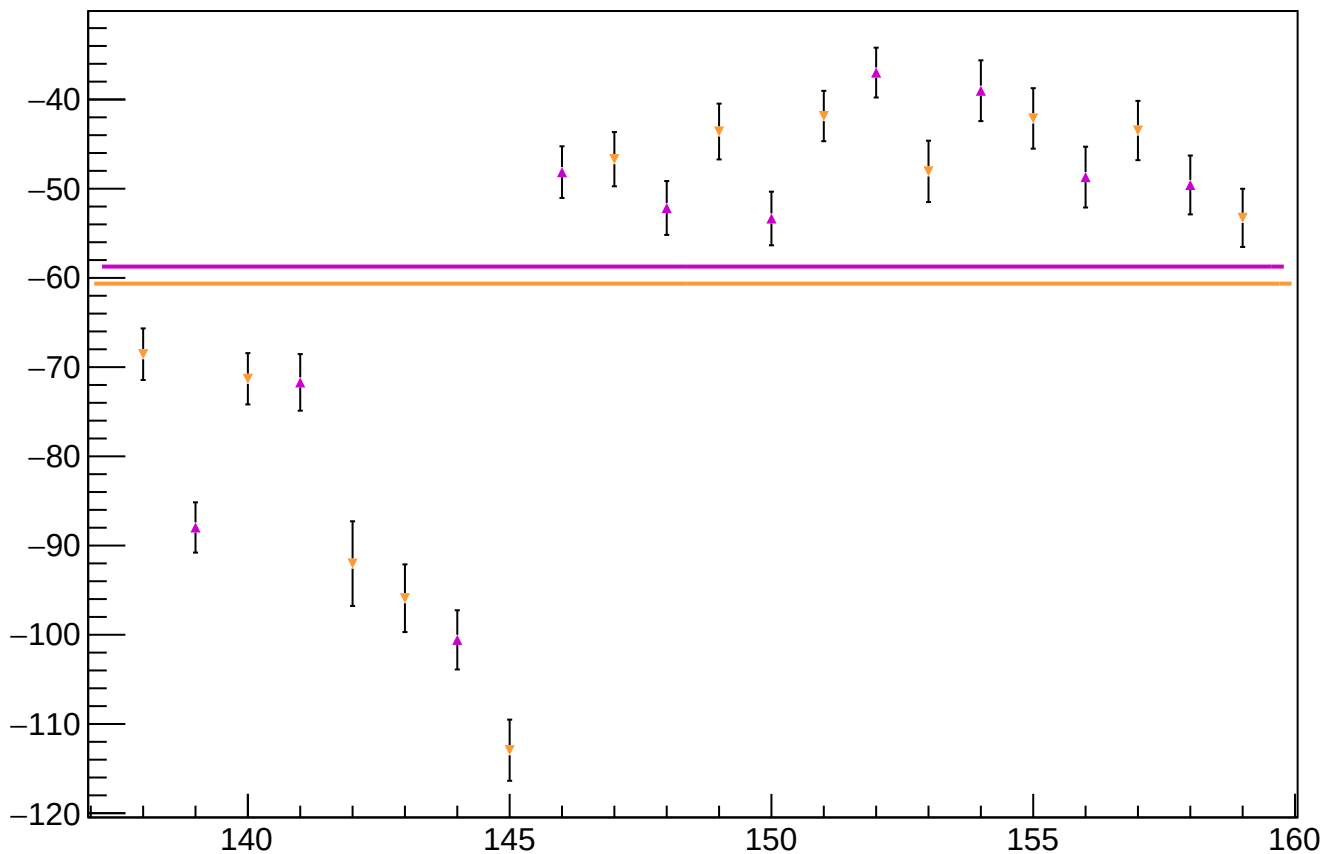
Right: -214.751+/-0.094 χ^2/NDF : 263806.1/35

In: -262.707+/-0.095 χ^2/NDF : 406049.1/26

Out: -245.866+/-0.091 χ^2/NDF : 784983.5/30

All: -253.936+/-0.066 χ^2/NDF : 1207515.6/57

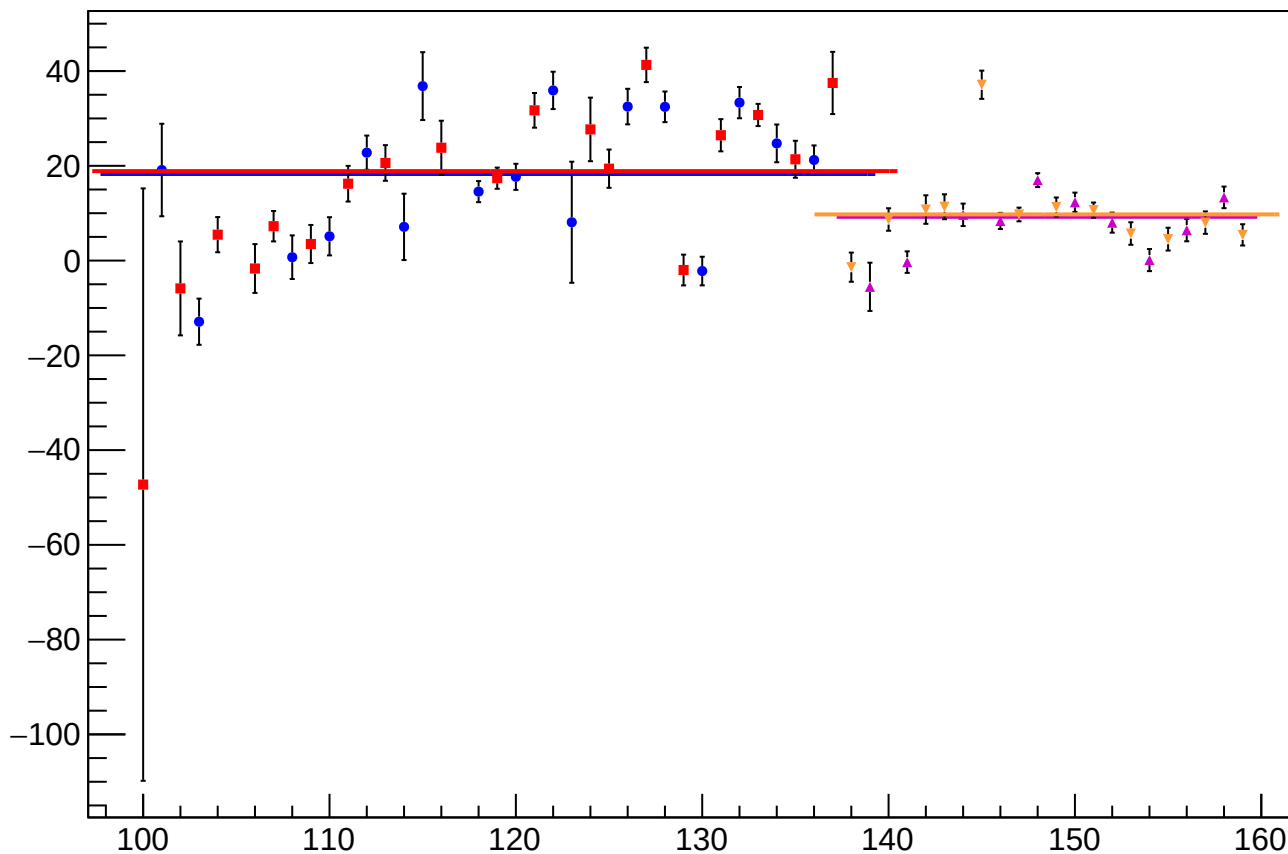
reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -60.640+/-0.940 χ^2/NDF :554.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -58.730+/-0.977 χ^2/NDF :415.1/9

Left: -59.722+/-0.677 χ^2/NDF : 971.3/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -58.730+/-0.977 χ^2/NDF :415.1/9
 Out: -60.640+/-0.940 χ^2/NDF :554.2/11
 All: -59.722+/-0.677 χ^2/NDF : 971.3/21

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.279 ± 0.906 χ^2/NDF : 204.6/16

Left Out: 9.748 ± 0.633 χ^2/NDF : 110.8/11

Right Out: 18.882 ± 0.864 χ^2/NDF : 198.4/18

Left In: 9.244 ± 0.668 χ^2/NDF : 76.8/9

Left: 9.510 ± 0.460 χ^2/NDF : 187.9/21

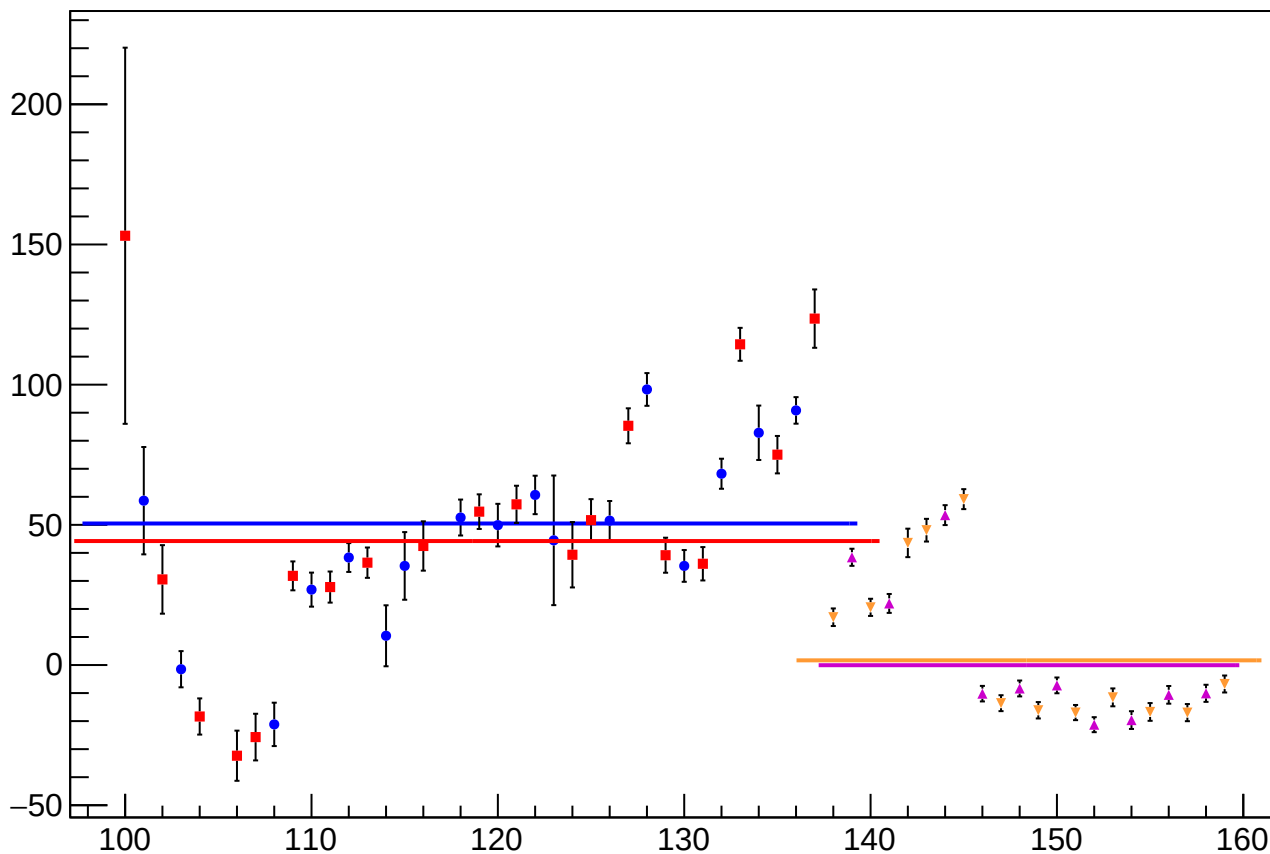
Right: 18.595 ± 0.625 χ^2/NDF : 403.2/35

In: 12.431 ± 0.538 χ^2/NDF : 345.8/26

Out: 12.939 ± 0.511 χ^2/NDF : 381.9/30

All: 12.698 ± 0.370 χ^2/NDF : 728.2/57

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.482 ± 1.668 χ^2/NDF : 357.9/16

Left Out: 1.672 ± 0.921 χ^2/NDF : 731.8/11

Right Out: 44.222 ± 1.602 χ^2/NDF : 534.4/18

Left In: -0.061 ± 0.952 χ^2/NDF : 580.9/9

Left: 0.834 ± 0.662 χ^2/NDF : 1314.4/21

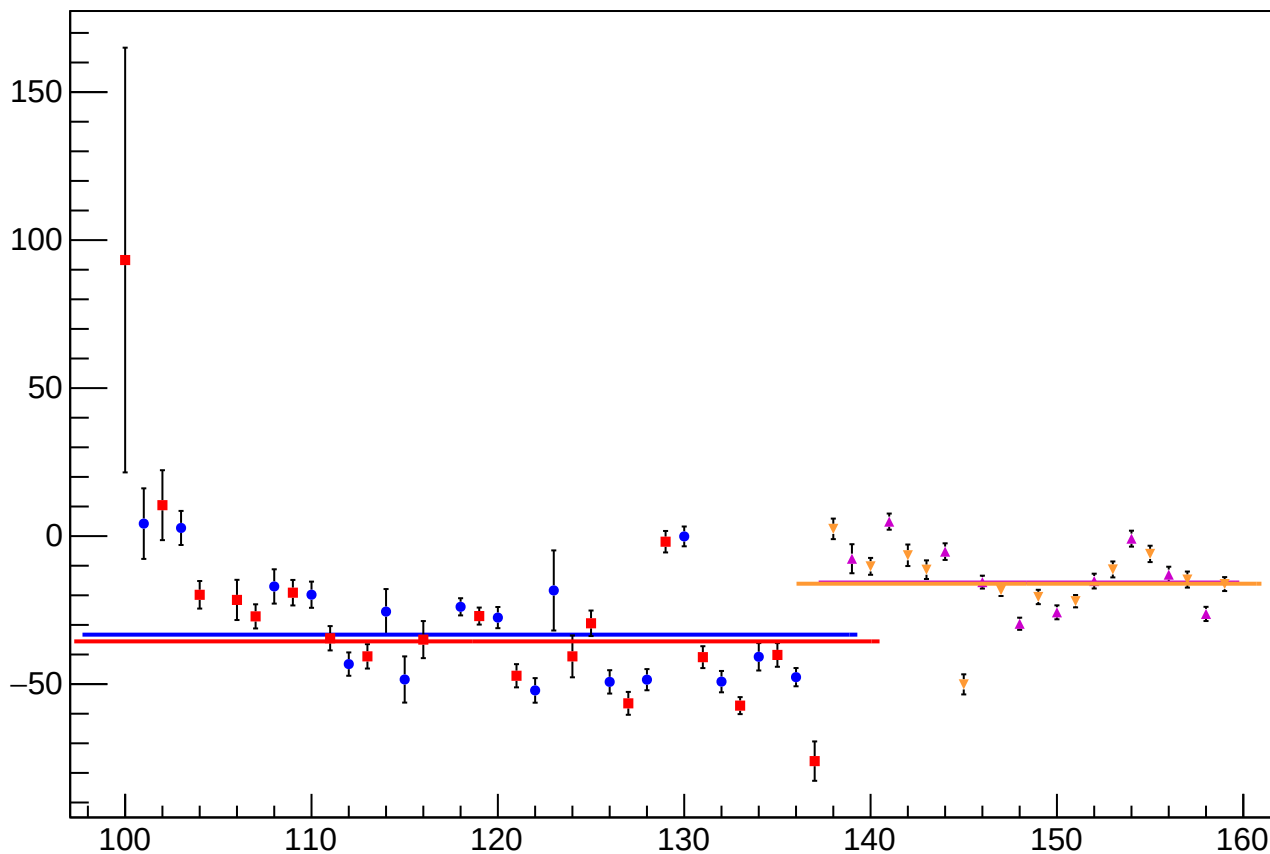
Right: 47.226 ± 1.156 χ^2/NDF : 899.6/35

In: 12.357 ± 0.827 χ^2/NDF : 1631.4/26

Out: 12.237 ± 0.799 χ^2/NDF : 1796.2/30

All: 12.295 ± 0.574 χ^2/NDF : 3427.6/57

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.292+/-1.033 χ^2/NDF : 289.1/16

Left Out: -16.081+/-0.766 χ^2/NDF :171.5/11

Right Out: -35.566+/-0.992 χ^2/NDF : 287.6/18

Left In: -15.684+/-0.805 χ^2/NDF :188.5/9

Left: -15.892+/-0.555 χ^2/NDF : 360.1/21

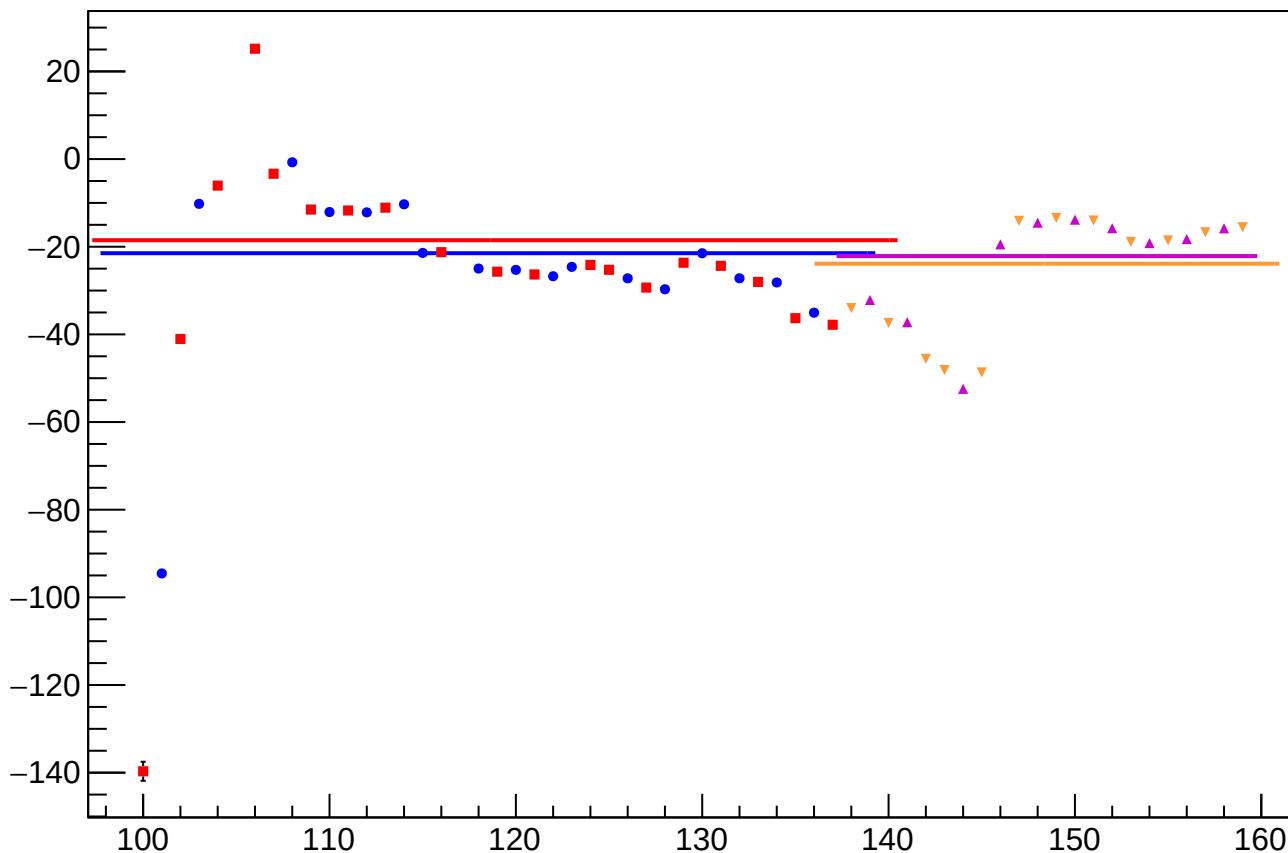
Right: -34.474+/-0.716 χ^2/NDF : 579.3/35

In: -22.340+/-0.635 χ^2/NDF :658.3/26

Out: -23.351+/-0.606 χ^2/NDF :700.8/30

All: -22.869+/-0.439 χ^2/NDF : 1360.4/57

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.476 ± 0.059 $\chi^2/\text{NDF}: 49009.8/16$

Left Out: -23.875 ± 0.036 $\chi^2/\text{NDF}: 116399.1/11$

Right Out: -18.506 ± 0.057 $\chi^2/\text{NDF}: 80734.5/18$

Left In: -22.127 ± 0.037 $\chi^2/\text{NDF}: 77252.0/9$

Left: -23.027 ± 0.026 $\chi^2/\text{NDF}: 194791.7/21$

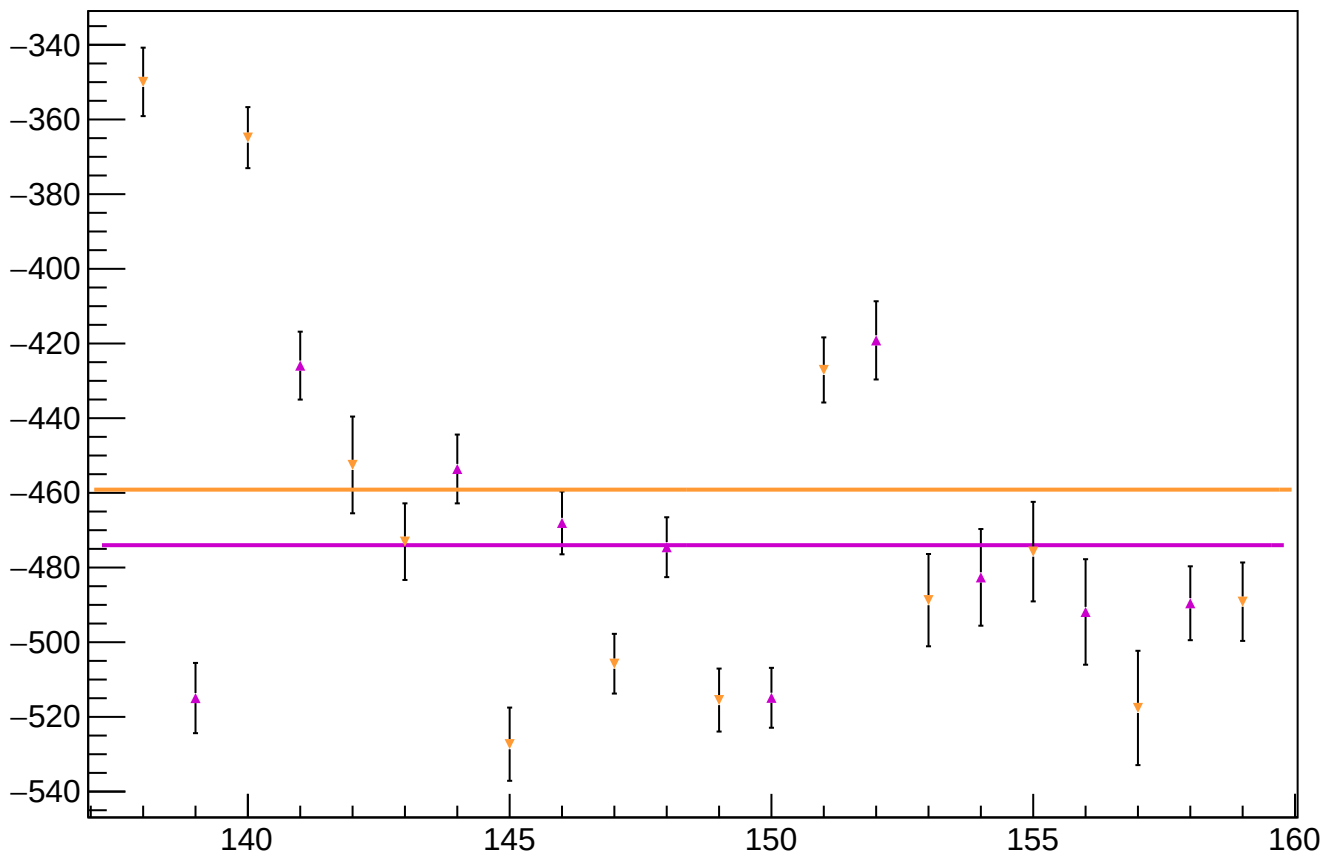
Right: -19.957 ± 0.041 $\chi^2/\text{NDF}: 131054.3/35$

In: -21.940 ± 0.031 $\chi^2/\text{NDF}: 126349.4/26$

Out: -22.353 ± 0.031 $\chi^2/\text{NDF}: 203414.1/30$

All: -22.152 ± 0.022 $\chi^2/\text{NDF}: 329852.3/57$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -459.136+/-2.874 χ^2/NDF :447.6/11

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

Left In: -474.012+/-3.006 χ^2/NDF :110.2/9

Left: -466.241+/-2.077 χ^2/NDF : 570.6/21

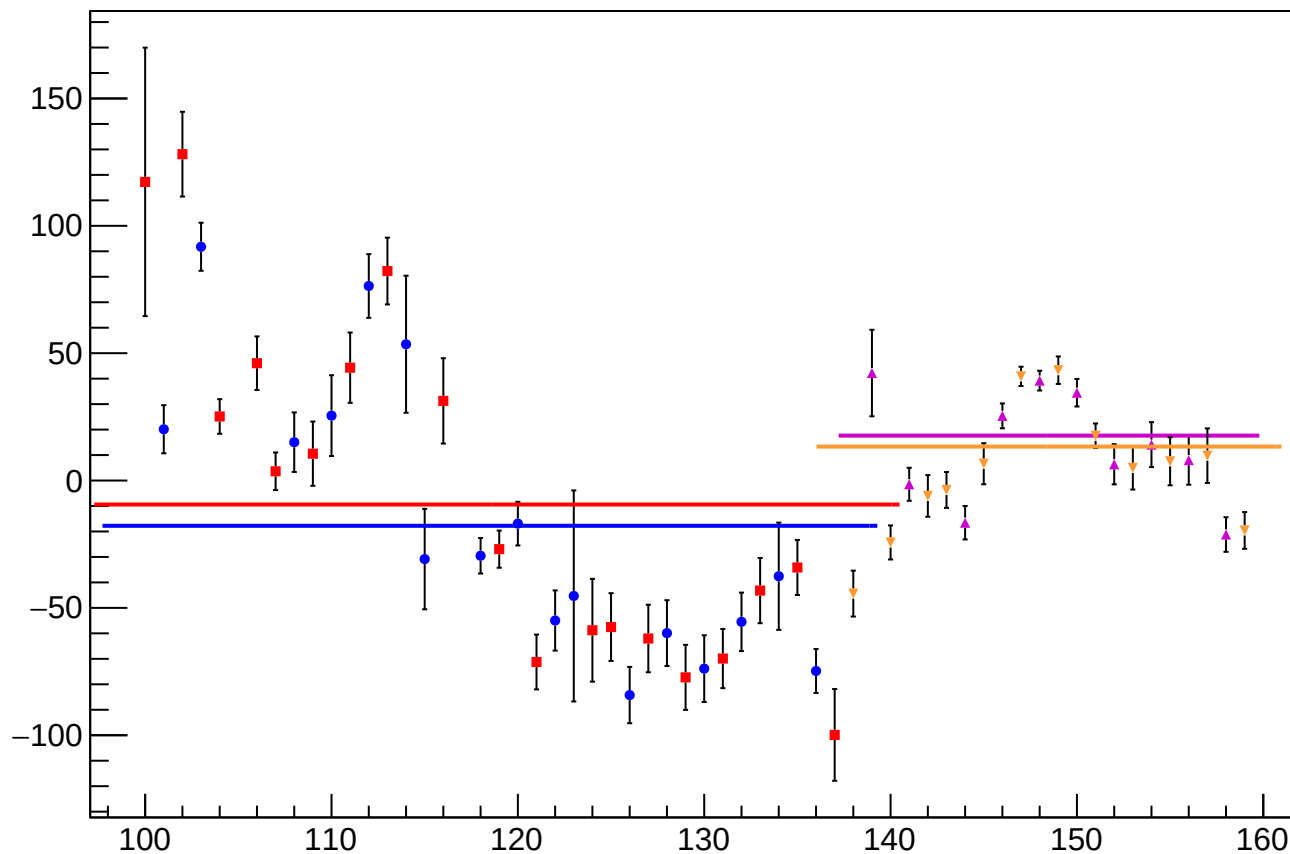
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -474.012+/-3.006 χ^2/NDF :110.2/9

Out: -459.136+/-2.874 χ^2/NDF :447.6/11

All: -466.241+/-2.077 χ^2/NDF : 570.6/21

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.765 ± 2.781 $\chi^2/\text{NDF}: 363.9/16$

Left Out: 13.337 ± 1.872 $\chi^2/\text{NDF}: 191.8/11$

Right Out: -9.417 ± 2.613 $\chi^2/\text{NDF}: 369.6/18$

Left In: 17.639 ± 1.983 $\chi^2/\text{NDF}: 116.9/9$

Left: 15.364 ± 1.361 $\chi^2/\text{NDF}: 311.1/21$

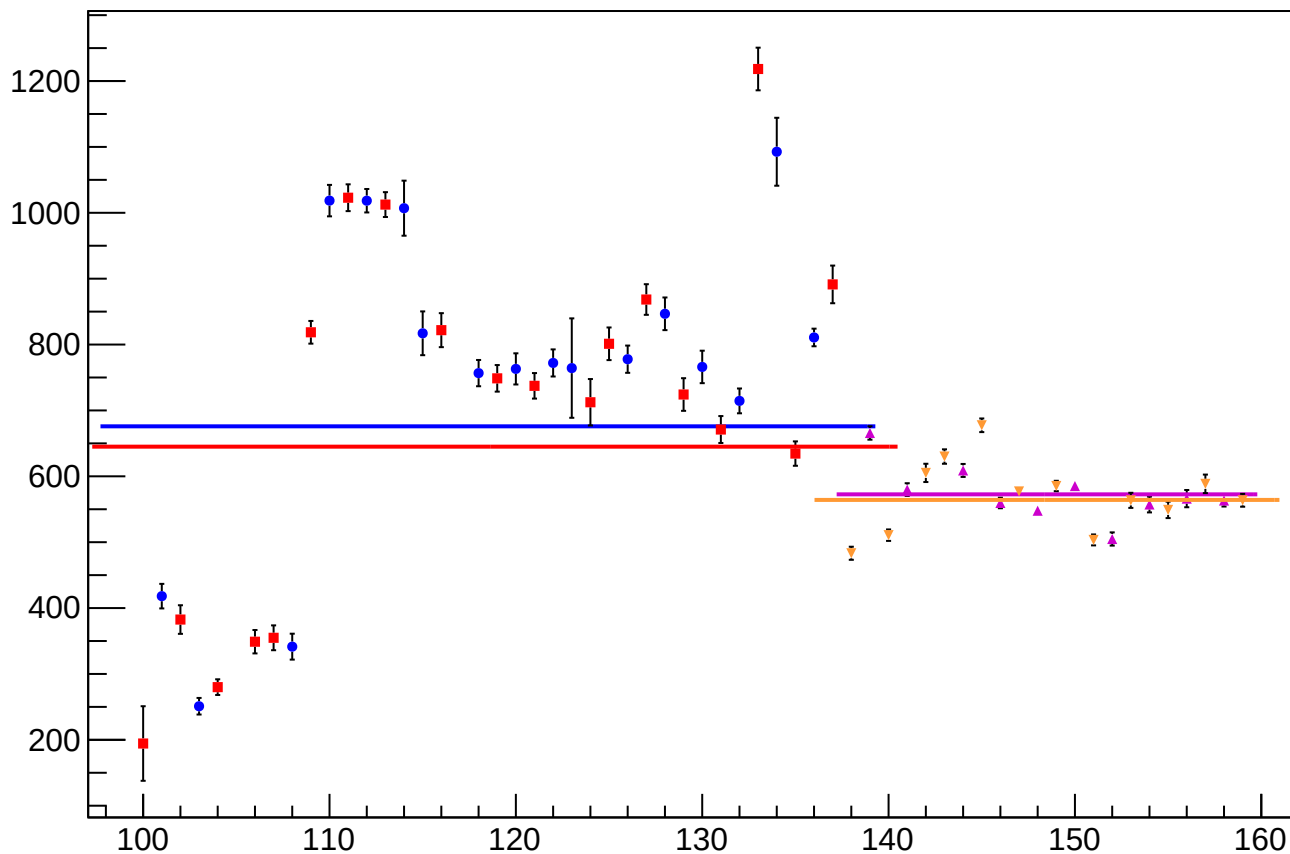
Right: -13.331 ± 1.905 $\chi^2/\text{NDF}: 738.2/35$

In: 5.707 ± 1.615 $\chi^2/\text{NDF}: 588.1/26$

Out: 5.621 ± 1.522 $\chi^2/\text{NDF}: 611.5/30$

All: 5.662 ± 1.107 $\chi^2/\text{NDF}: 1199.6/57$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.871 $\pm$ 5.037 χ^2 /NDF: 2586.4/16

Left Out: 564.167 $\pm$ 2.835 χ^2 /NDF:337.1/11

Right Out: 645.014 $\pm$ 4.761 χ^2 /NDF: 3123.3/18

Left In: 572.625 $\pm$ 2.933 χ^2 /NDF:162.8/9

Left: 568.253 $\pm$ 2.038 χ^2 /NDF: 504.2/21

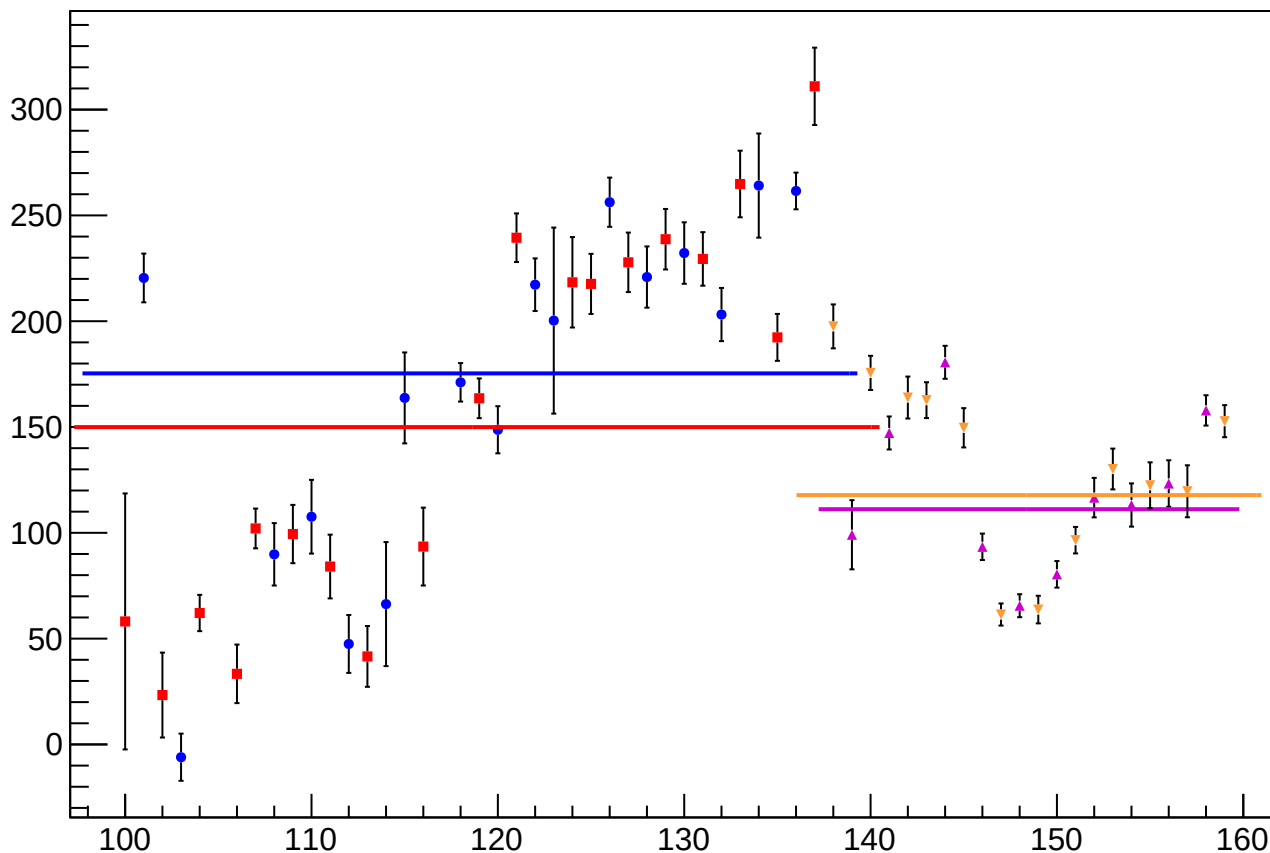
Right: 659.573 $\pm$ 3.460 χ^2 /NDF: 5729.5/35

In: 598.766 $\pm$ 2.535 χ^2 /NDF:3062.9/26

Out: 585.334 $\pm$ 2.436 χ^2 /NDF:3673.3/30

All: 591.784 $\pm$ 1.756 χ^2 /NDF: 6750.8/57

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: 117.824 $\pm$ 2.299 χ^2/NDF : 391.5/11

Right Out: 149.966 $\pm$ 3.045 χ^2/NDF : 693.2/18

Left In: 111.165 $\pm$ 2.423 χ^2/NDF : 247.9/9

Left: 114.669 $\pm$ 1.668 χ^2/NDF : 643.4/21

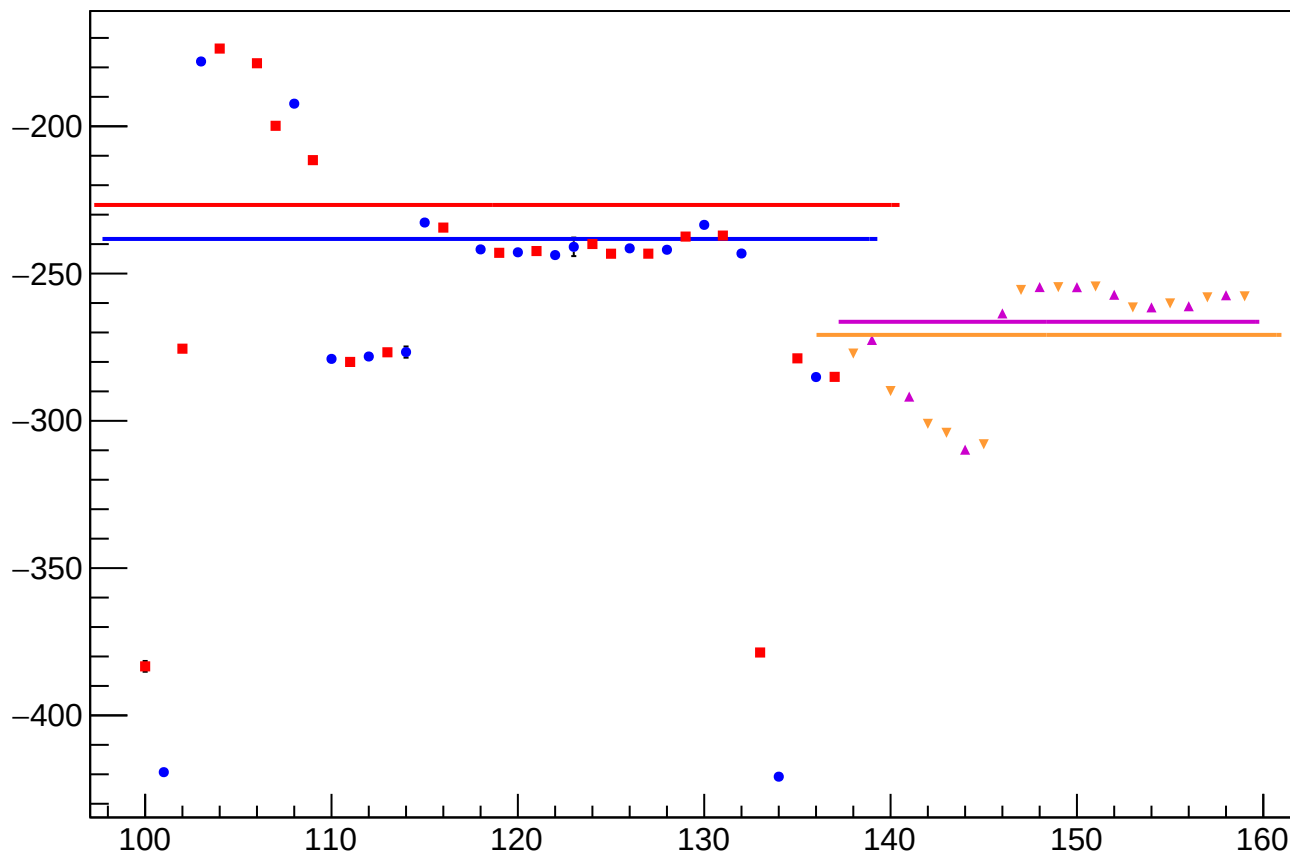
Right: 162.013 $\pm$ 2.207 χ^2/NDF : 1364.6/35

In: 134.522 $\pm$ 1.932 χ^2/NDF : 1141.7/26

Out: 129.494 $\pm$ 1.835 χ^2/NDF : 1155.6/30

All: 131.878 $\pm$ 1.331 χ^2/NDF : 2300.9/57

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.248+/-0.160 χ^2/NDF : 167125.9/16

Left Out: -270.818+/-0.115 χ^2/NDF : 29131.2/11

Right Out: -226.706+/-0.151 χ^2/NDF : 102831.3/18

Left In: -266.372+/-0.117 χ^2/NDF : 18984.2/9

Left: -268.641+/-0.082 χ^2/NDF : 48849.9/21

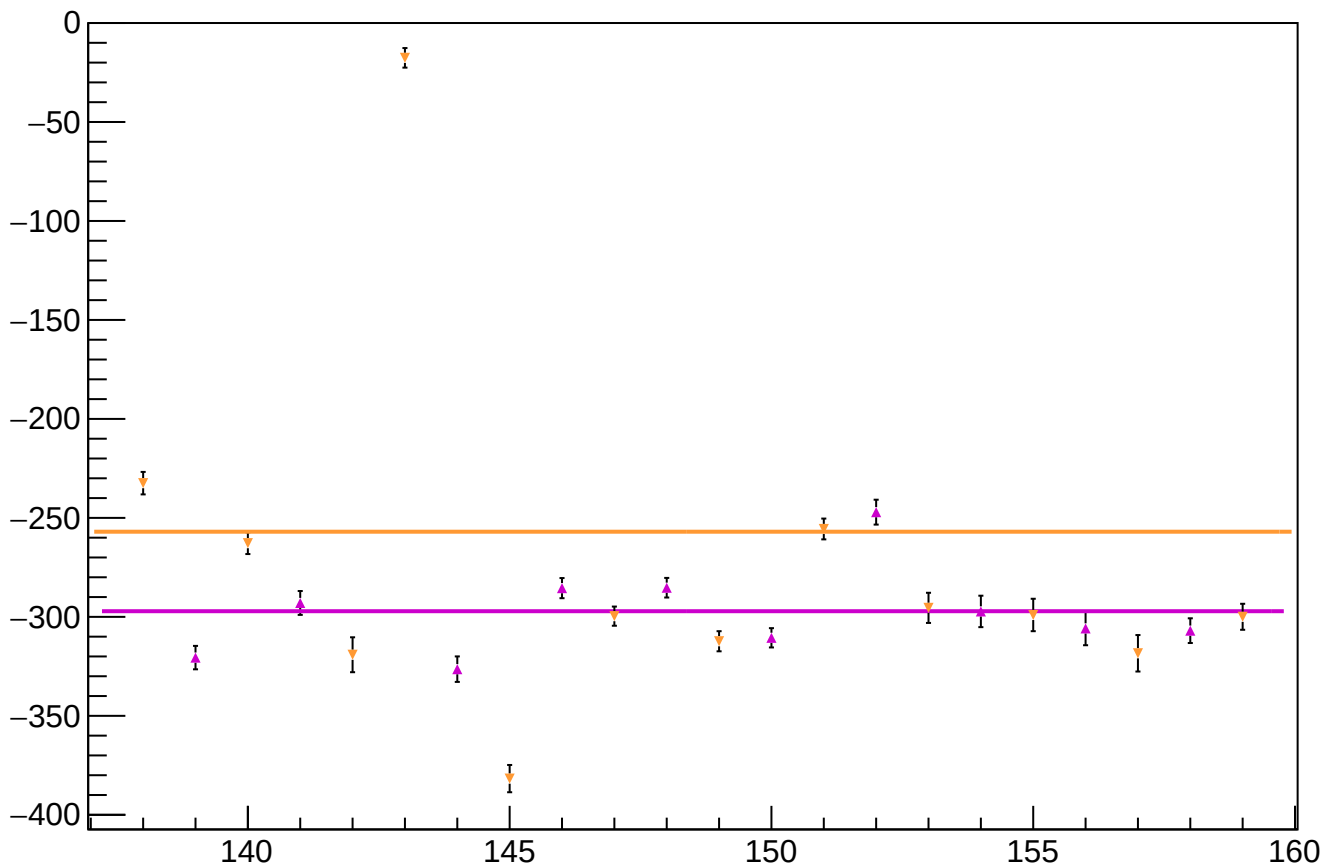
Right: -232.150+/-0.110 χ^2/NDF : 272709.4/35

In: -256.547+/-0.095 χ^2/NDF : 206233.4/26

Out: -254.674+/-0.091 χ^2/NDF : 186000.2/30

All: -255.579+/-0.066 χ^2/NDF : 392436.5/57

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: -256.980+/-1.758 χ^2/NDF :3074.8/11

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

Left In: -297.144+/-1.882 χ^2/NDF :122.3/9

Left: -275.692+/-1.285 χ^2/NDF : 3440.3/21

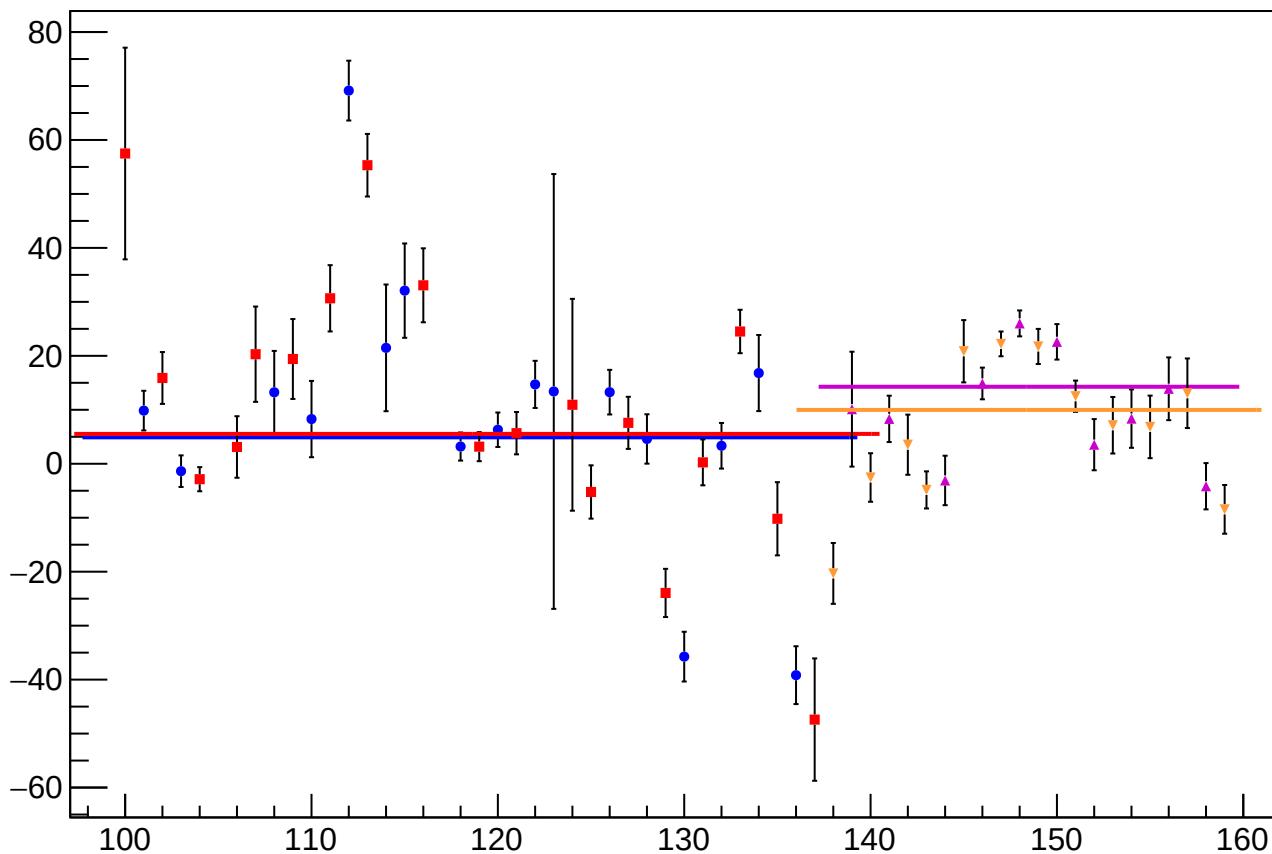
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -297.144+/-1.882 χ^2/NDF :122.3/9

Out: -256.980+/-1.758 χ^2/NDF :3074.8/11

All: -275.692+/-1.285 χ^2/NDF : 3440.3/21

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: 9.978 ± 1.139 χ^2/NDF : 119.8/11

Right Out: 5.534 ± 1.071 χ^2/NDF : 239.1/18

Left In: 14.270 ± 1.235 χ^2/NDF : 71.6/9

Left: 11.951 ± 0.837 χ^2/NDF : 197.9/21

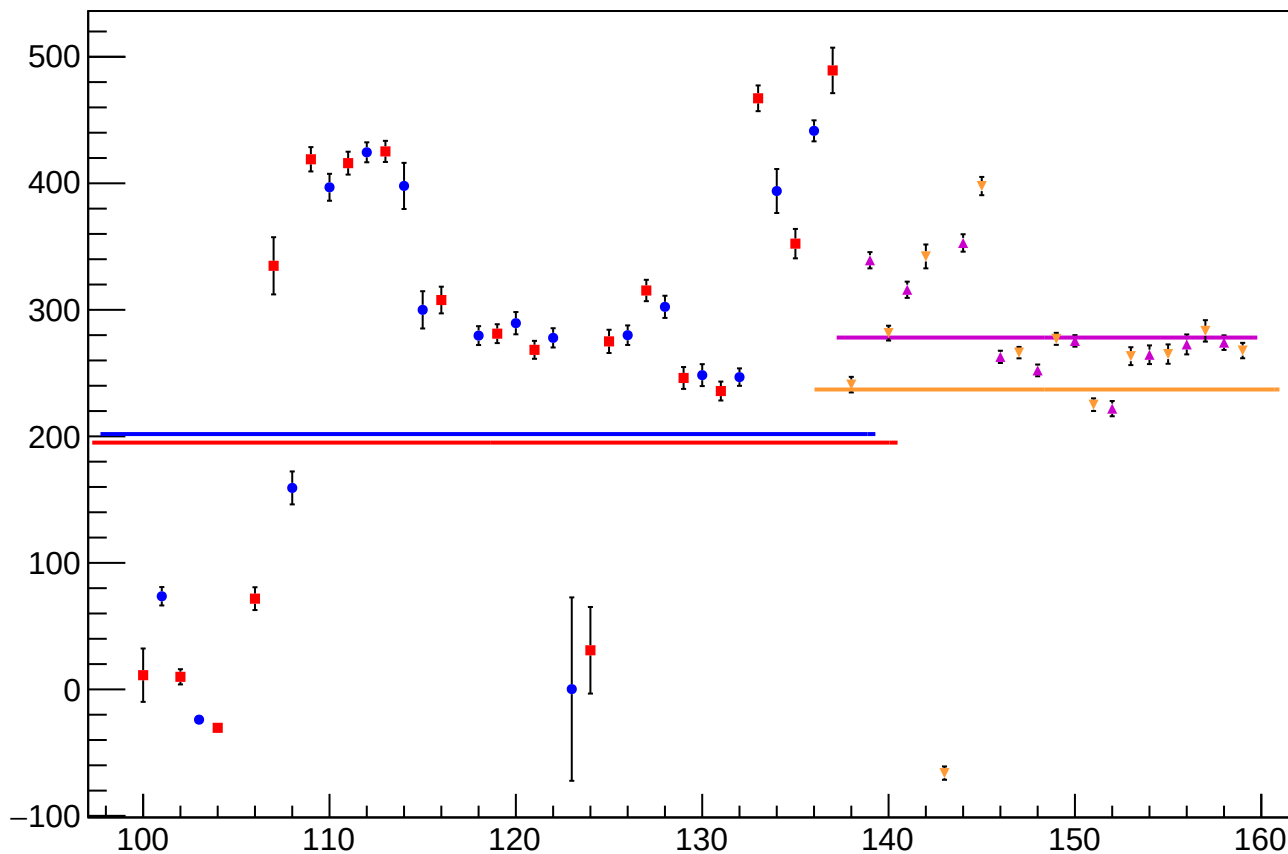
Right: 5.220 ± 0.764 χ^2/NDF : 551.3/35

In: 8.996 ± 0.817 χ^2/NDF : 415.9/26

Out: 7.620 ± 0.780 χ^2/NDF : 367.0/30

All: 8.276 ± 0.564 χ^2/NDF : 784.4/57

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: 237.039 $\pm$ 1.733 χ^2 /NDF:4176.5/11

Right Out: 195.053 $\pm$ 1.924 χ^2 /NDF: 8257.1/18

Left In: 278.087 $\pm$ 1.829 χ^2 /NDF:376.3/9

Left: 256.451 $\pm$ 1.258 χ^2 /NDF: 4818.2/21

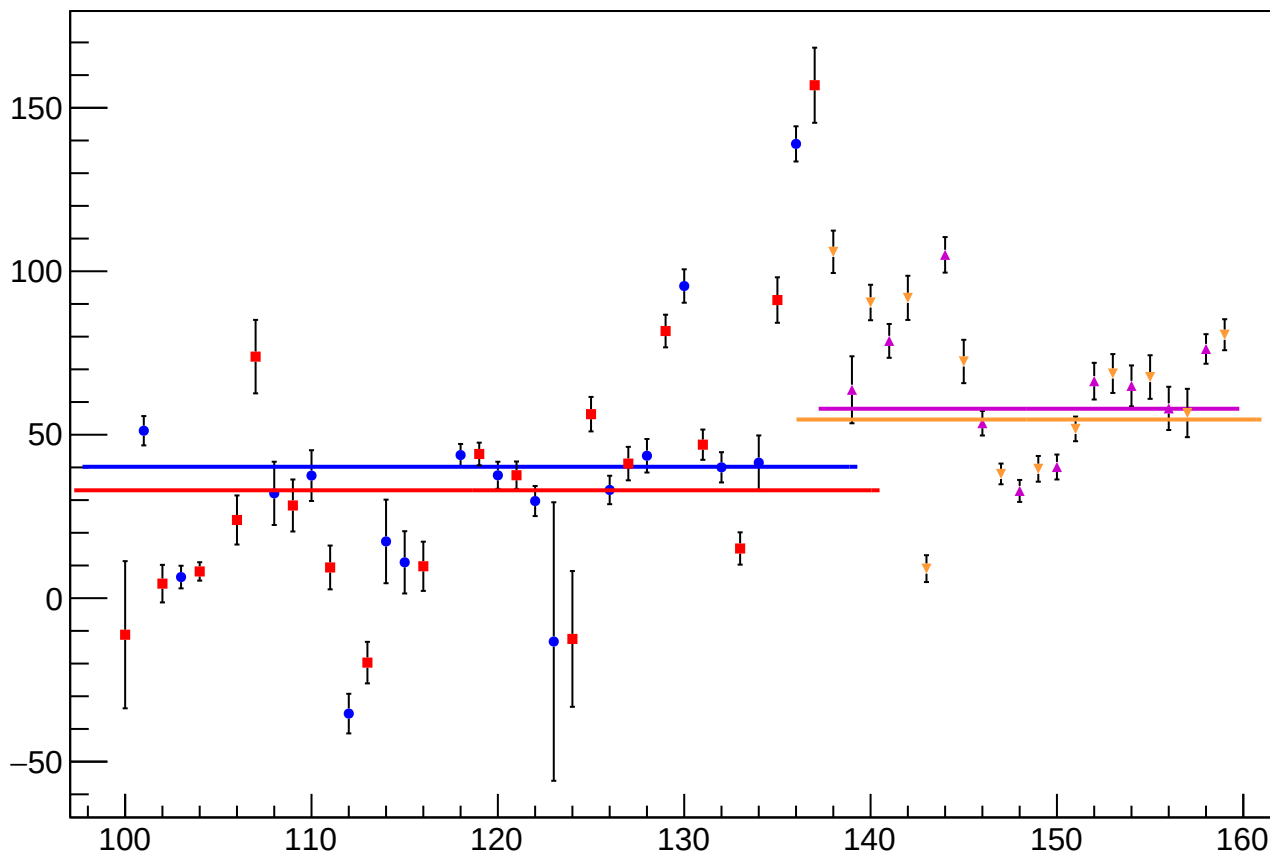
Right: 198.351 $\pm$ 1.377 χ^2 /NDF: 15017.4/35

In: 242.774 $\pm$ 1.341 χ^2 /NDF:7935.3/26

Out: 218.239 $\pm$ 1.288 χ^2 /NDF:12696.5/30

All: 230.012 $\pm$ 0.929 χ^2 /NDF: 20806.0/57

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.196 ± 1.268 $\chi^2/\text{NDF}: 735.0/16$

Left Out: 54.647 ± 1.400 $\chi^2/\text{NDF}: 349.3/11$

Right Out: 32.999 ± 1.253 $\chi^2/\text{NDF}: 554.1/18$

Left In: 57.944 ± 1.512 $\chi^2/\text{NDF}: 190.4/9$

Left: 56.170 ± 1.027 $\chi^2/\text{NDF}: 542.3/21$

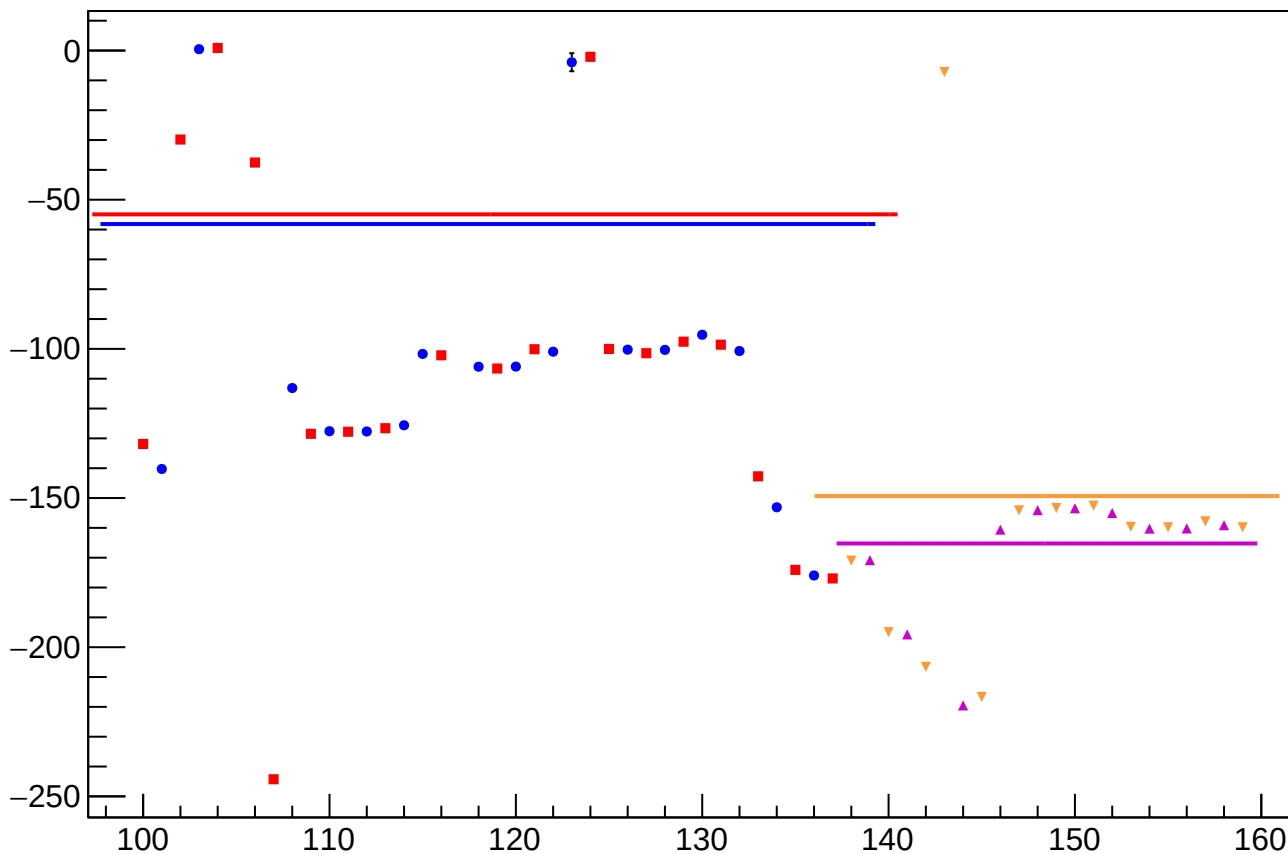
Right: 36.555 ± 0.891 $\chi^2/\text{NDF}: 1305.3/35$

In: 47.523 ± 0.971 $\chi^2/\text{NDF}: 1006.3/26$

Out: 42.622 ± 0.934 $\chi^2/\text{NDF}: 1036.1/30$

All: 44.976 ± 0.673 $\chi^2/\text{NDF}: 2055.7/57$

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: -149.337+/-0.070 χ^2/NDF : 578573.0/11

Right Out: -54.914+/-0.060 χ^2/NDF : 1003885.5/18

Left In: -165.231+/-0.073 χ^2/NDF : 57446.9/9

Left: -156.960+/-0.051 χ^2/NDF : 660666.6/21

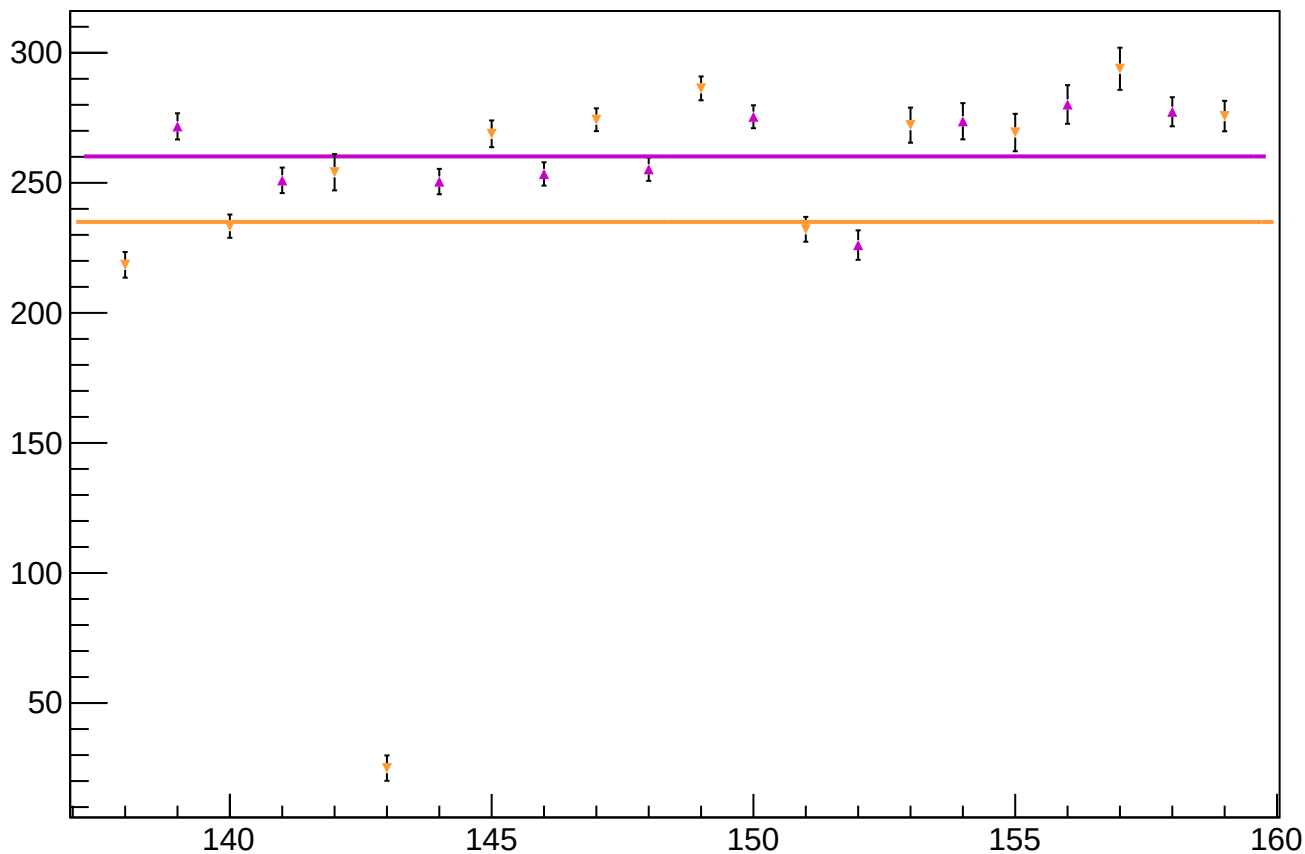
Right: -56.499+/-0.043 χ^2/NDF : 2110811.0/35

In: -102.644+/-0.047 χ^2/NDF : 2419441.6/26

Out: -95.003+/-0.046 χ^2/NDF : 2626259.9/30

All: -98.709+/-0.033 χ^2/NDF : 5059270.2/57

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 234.983 $\pm$ 1.541 χ^2/NDF :2282.3/11

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

Left In: 260.164 $\pm$ 1.630 χ^2/NDF :85.0/9

Left: 246.869 $\pm$ 1.120 χ^2/NDF : 2493.3/21

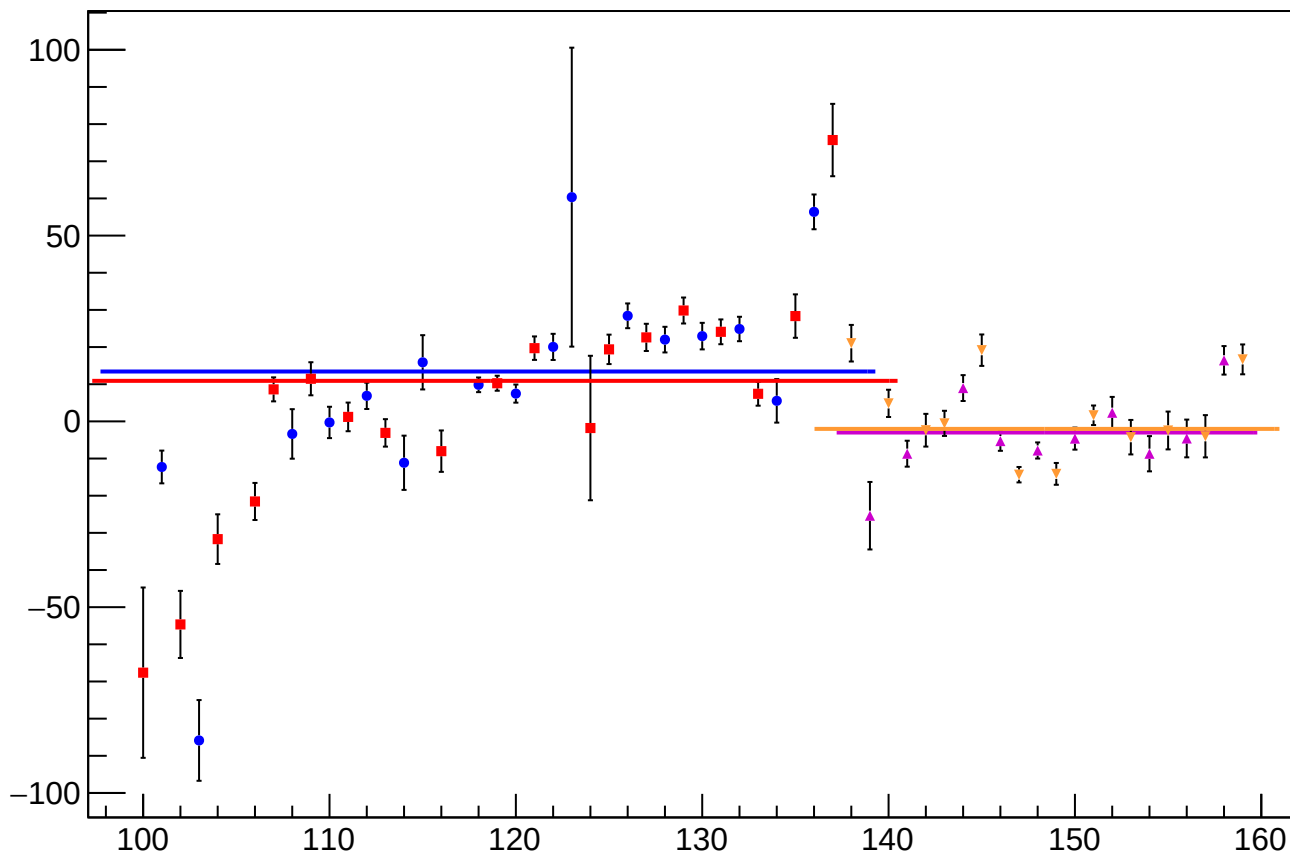
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 260.164 $\pm$ 1.630 χ^2/NDF :85.0/9

Out: 234.983 $\pm$ 1.541 χ^2/NDF :2282.3/11

All: 246.869 $\pm$ 1.120 χ^2/NDF : 2493.3/21

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.423 ± 0.920 $\chi^2/\text{NDF}: 295.2/16$

Left Out: -2.020 ± 1.010 $\chi^2/\text{NDF}: 126.9/11$

Right Out: 10.908 ± 0.916 $\chi^2/\text{NDF}: 302.6/18$

Left In: -2.999 ± 1.082 $\chi^2/\text{NDF}: 55.3/9$

Left: -2.476 ± 0.738 $\chi^2/\text{NDF}: 182.7/21$

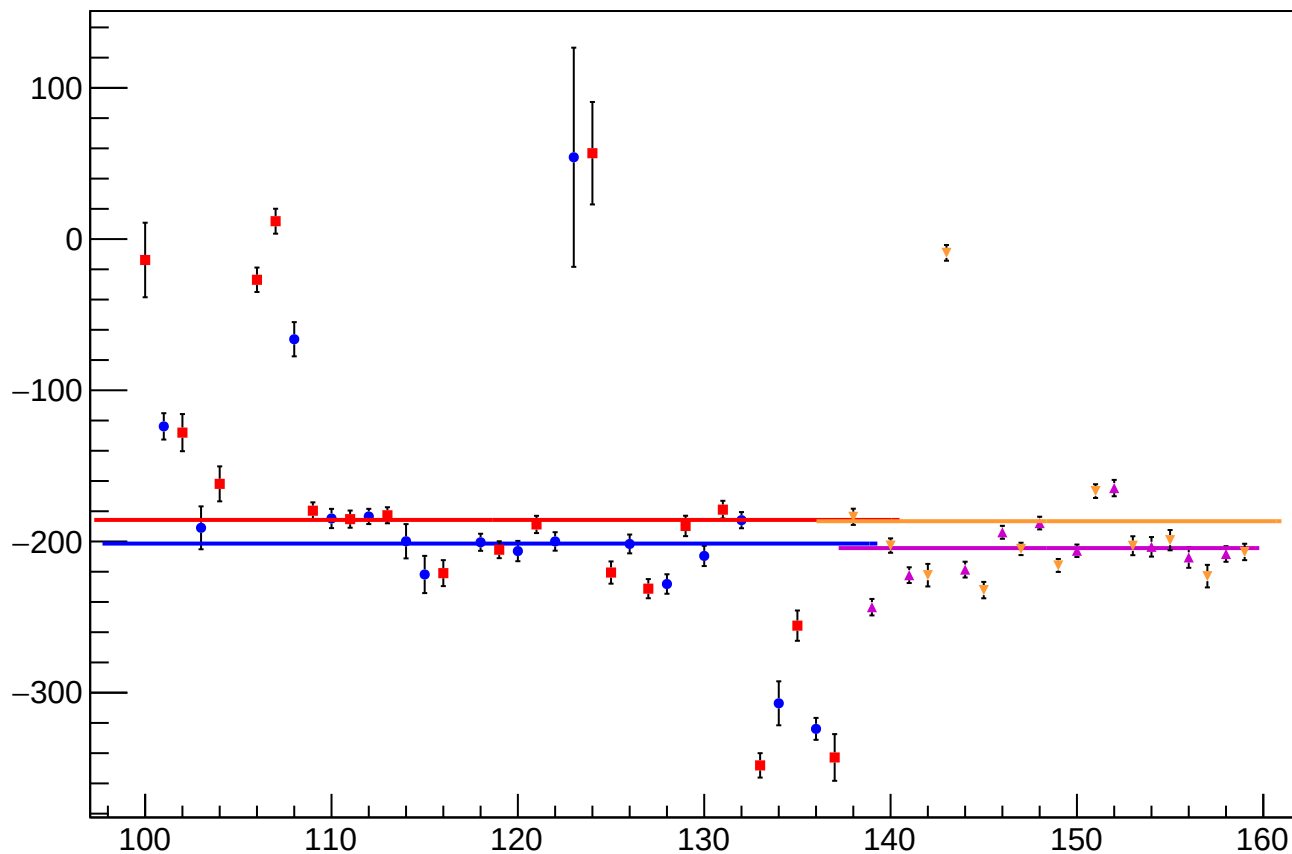
Right: 12.160 ± 0.649 $\chi^2/\text{NDF}: 601.6/35$

In: 6.538 ± 0.701 $\chi^2/\text{NDF}: 484.3/26$

Out: 5.072 ± 0.679 $\chi^2/\text{NDF}: 519.4/30$

All: 5.781 ± 0.487 $\chi^2/\text{NDF}: 1005.9/57$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.384 ± 1.779 χ^2/NDF : 623.5/16

Left Out: -186.578 ± 1.525 χ^2/NDF : 1404.4/11

Right Out: -185.739 ± 1.700 χ^2/NDF : 1749.3/18

Left In: -204.366 ± 1.593 χ^2/NDF : 147.5/9

Left: -195.082 ± 1.102 χ^2/NDF : 1616.9/21

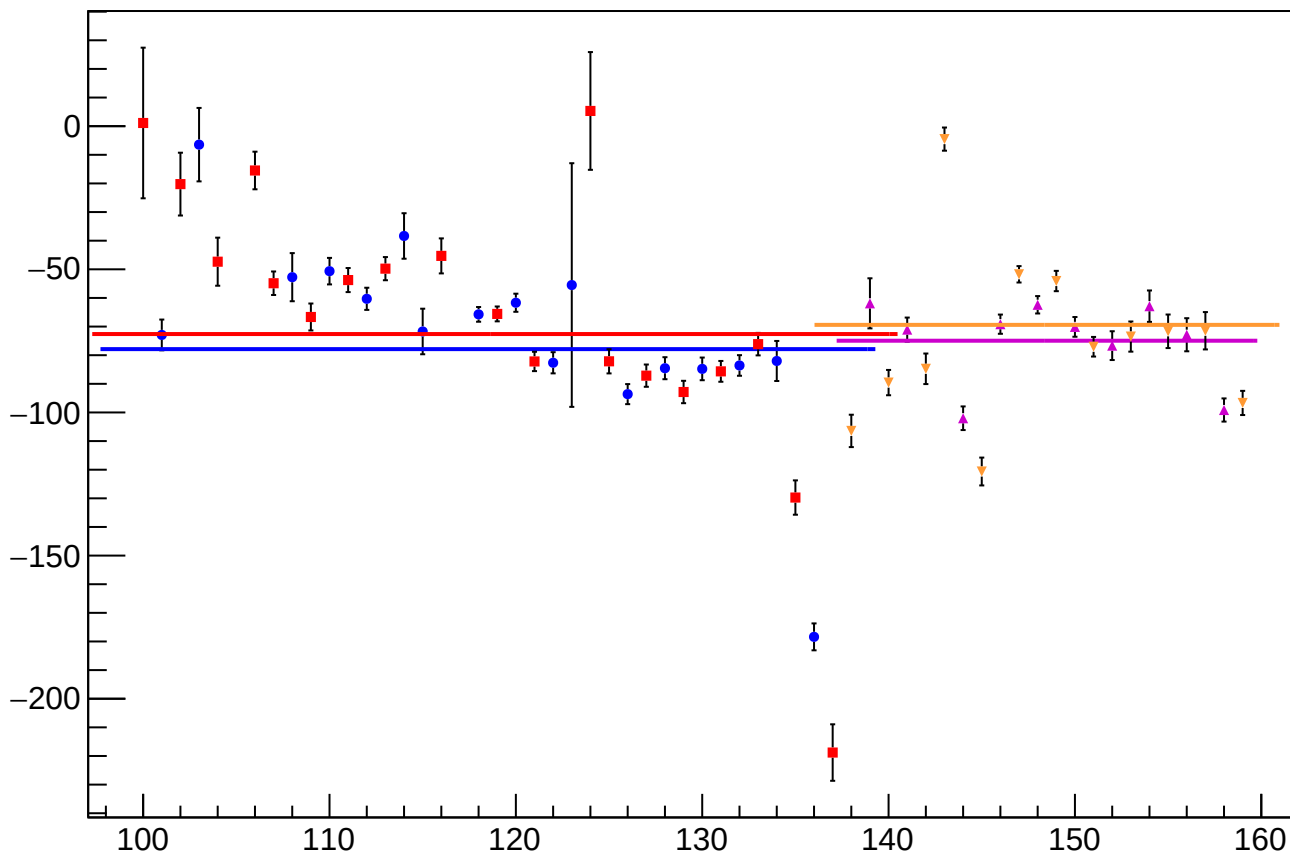
Right: -193.204 ± 1.229 χ^2/NDF : 2413.2/35

In: -203.039 ± 1.187 χ^2/NDF : 772.5/26

Out: -186.204 ± 1.135 χ^2/NDF : 3153.8/30

All: -194.246 ± 0.820 χ^2/NDF : 4031.4/57

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: -69.405 ± 1.238 χ^2/NDF : 544.5/11

Right Out: -72.612 ± 1.054 χ^2/NDF : 606.9/18

Left In: -74.942 ± 1.320 χ^2/NDF : 109.0/9

Left: -71.996 ± 0.903 χ^2/NDF : 662.8/21

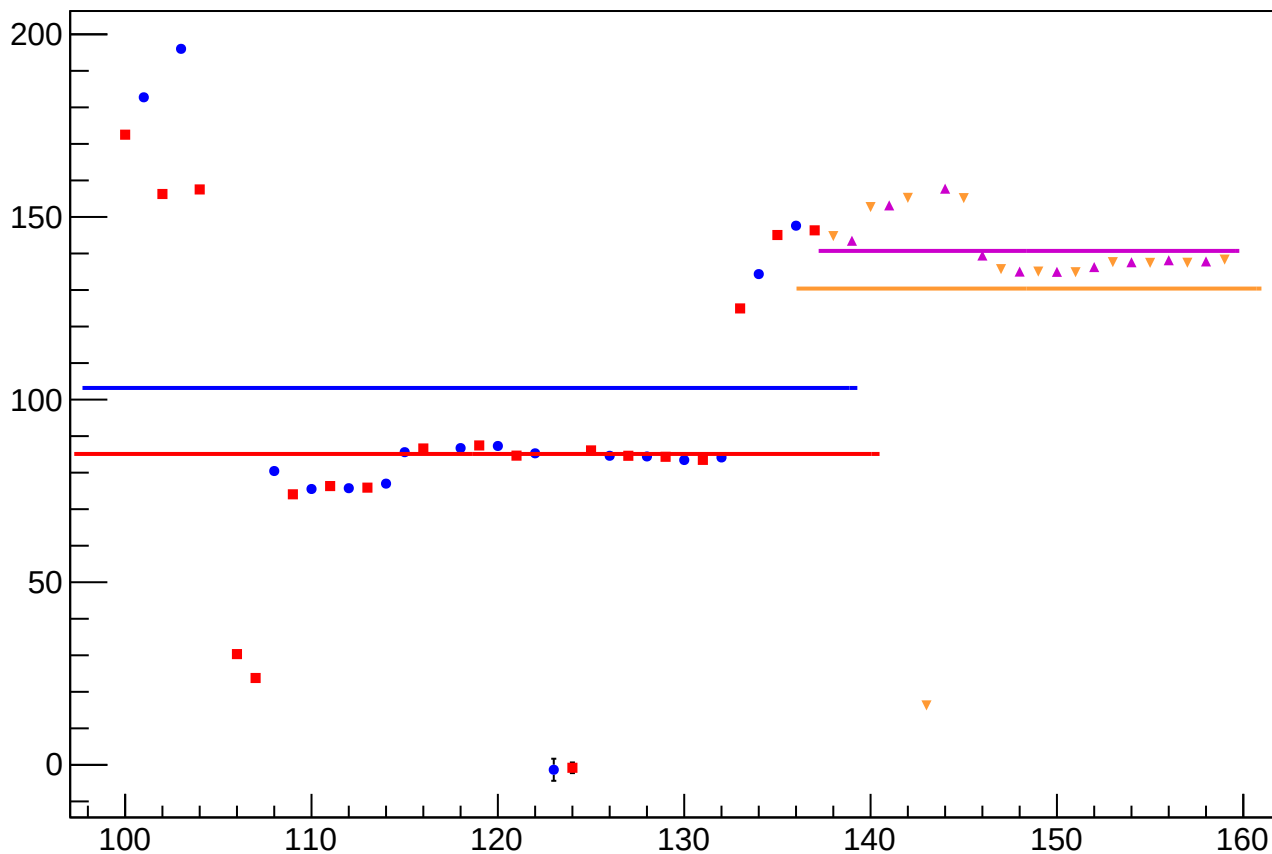
Right: -75.215 ± 0.749 χ^2/NDF : 1277.4/35

In: -76.720 ± 0.829 χ^2/NDF : 770.1/26

Out: -71.265 ± 0.802 χ^2/NDF : 1155.3/30

All: -73.903 ± 0.577 χ^2/NDF : 1947.7/57

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: 130.396 $\pm$ 0.062 χ^2 /NDF: 343889.9/11

Right Out: 85.121 $\pm$ 0.064 χ^2 /NDF: 423521.4/18

Left In: 140.706 $\pm$ 0.064 χ^2 /NDF: 12364.4/9

Left: 135.385 $\pm$ 0.044 χ^2 /NDF: 369808.5/21

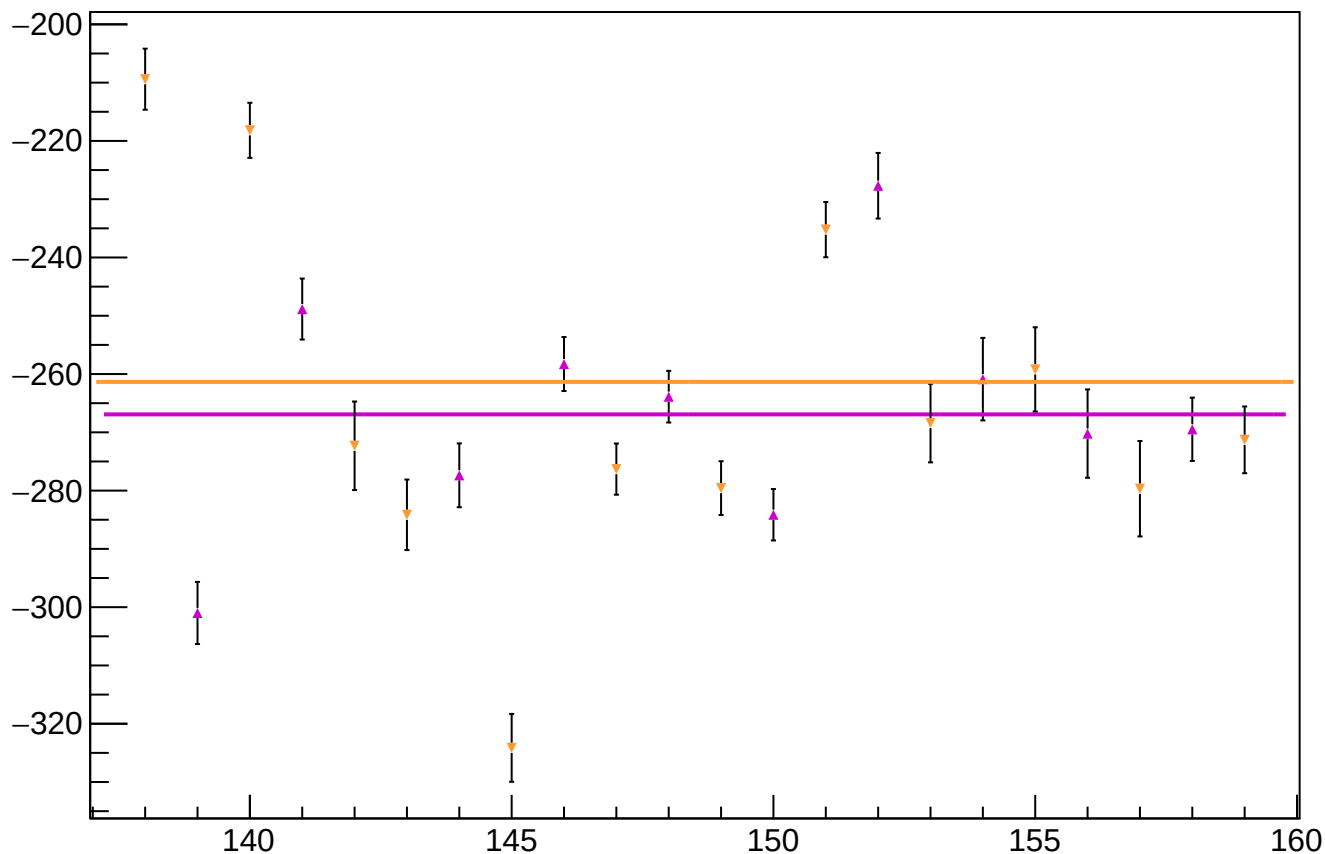
Right: 93.266 $\pm$ 0.047 χ^2 /NDF: 733347.5/35

In: 123.822 $\pm$ 0.047 χ^2 /NDF: 442445.8/26

Out: 108.527 $\pm$ 0.044 χ^2 /NDF: 1028357.0/30

All: 115.691 $\pm$ 0.032 χ^2 /NDF: 1526669.3/57

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: -261.345 ± 1.611 χ^2/NDF : 381.0/11

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -266.921 ± 1.674 χ^2/NDF : 125.3/9

Left: -264.026 ± 1.161 χ^2/NDF : 512.1/21

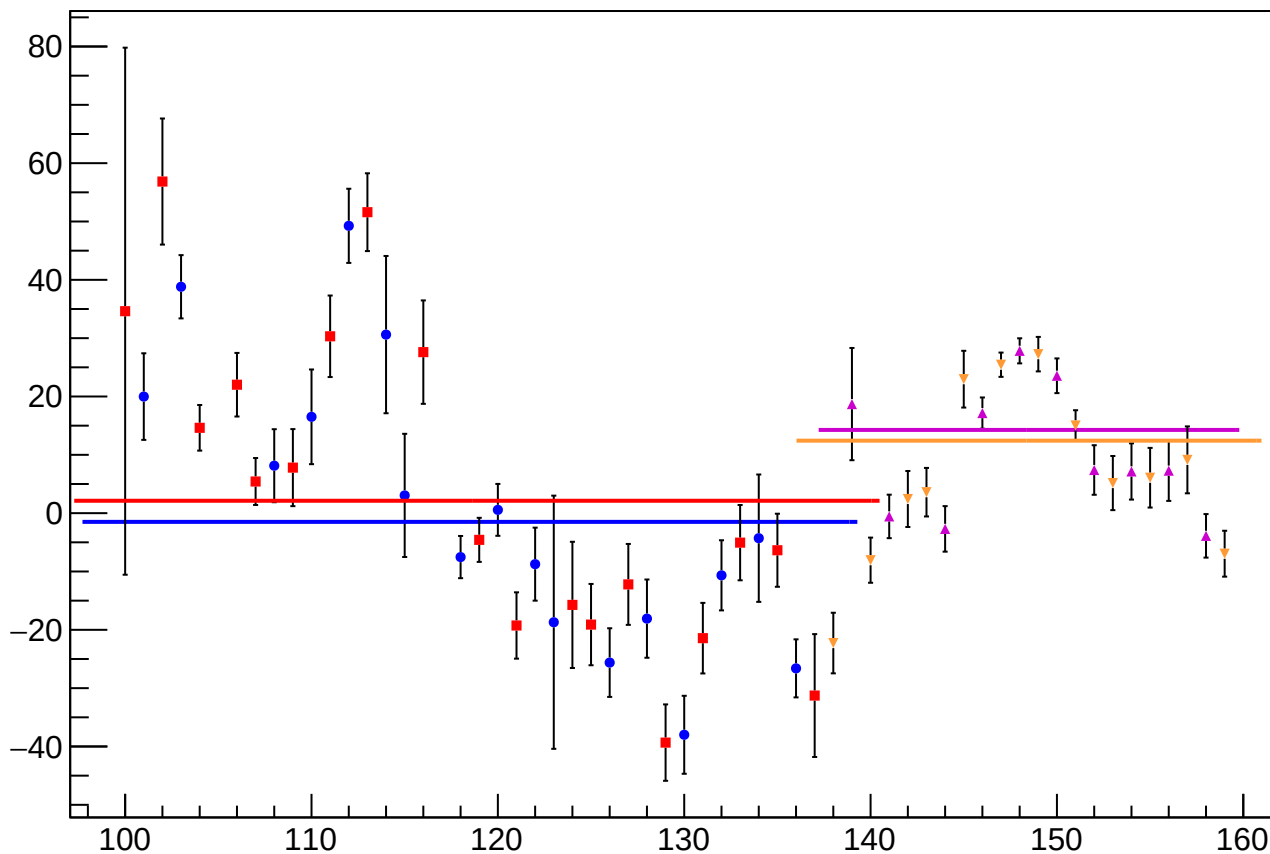
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -266.921 ± 1.674 χ^2/NDF : 125.3/9

Out: -261.345 ± 1.611 χ^2/NDF : 381.0/11

All: -264.026 ± 1.161 χ^2/NDF : 512.1/21

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.492 ± 1.513 χ^2/NDF : 226.1/16

Left Out: 12.429 ± 1.043 χ^2/NDF : 180.0/11

Right Out: 2.127 ± 1.402 χ^2/NDF : 232.6/18

Left In: 14.270 ± 1.101 χ^2/NDF : 115.9/9

Left: 13.300 ± 0.757 χ^2/NDF : 297.4/21

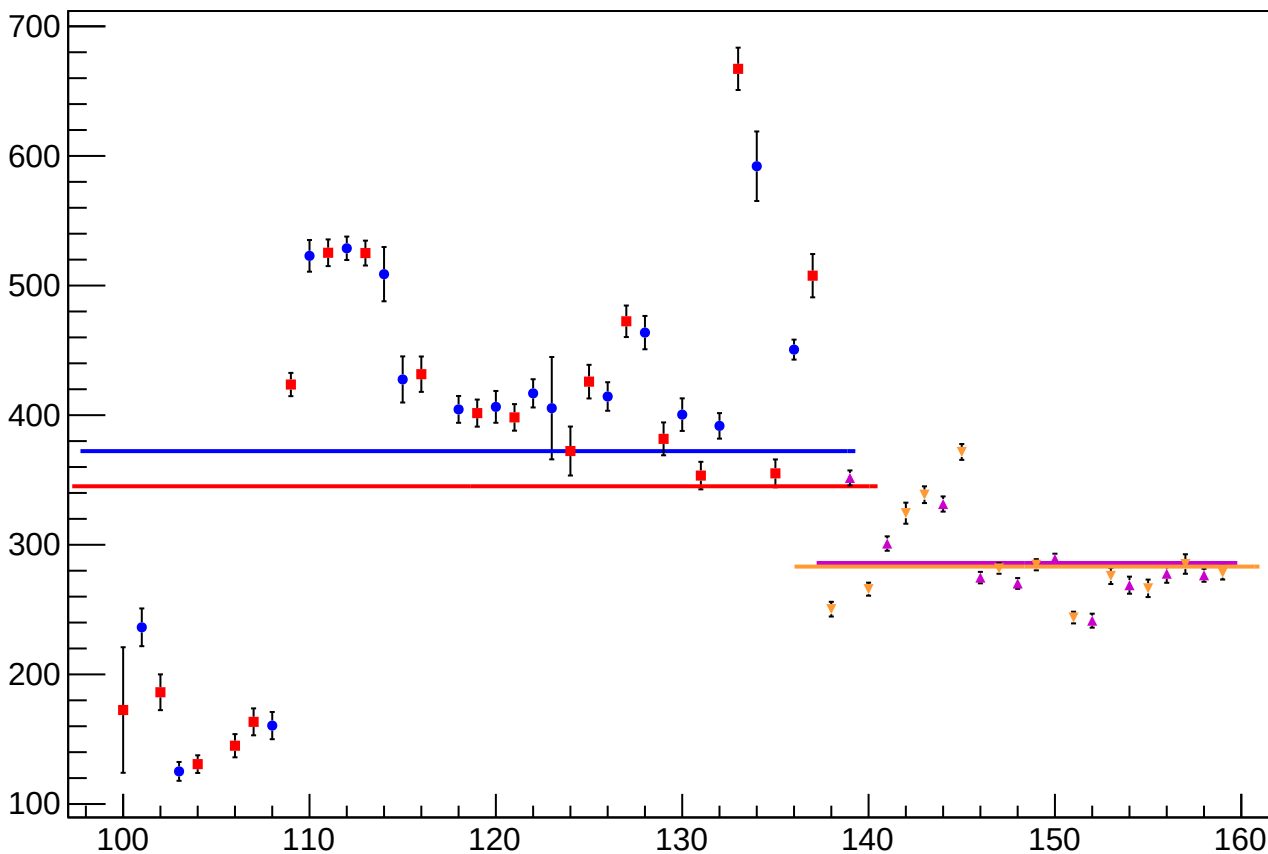
Right: 0.455 ± 1.029 χ^2/NDF : 461.8/35

In: 8.814 ± 0.890 χ^2/NDF : 413.0/26

Out: 8.758 ± 0.837 χ^2/NDF : 447.4/30

All: 8.784 ± 0.610 χ^2/NDF : 860.4/57

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: 283.178+/-1.583 χ^2/NDF : 438.8/11

Right Out: 345.135+/-2.562 χ^2/NDF : 3416.5/18

Left In: 285.942+/-1.629 χ^2/NDF : 298.1/9

Left: 284.520+/-1.135 χ^2/NDF : 738.3/21

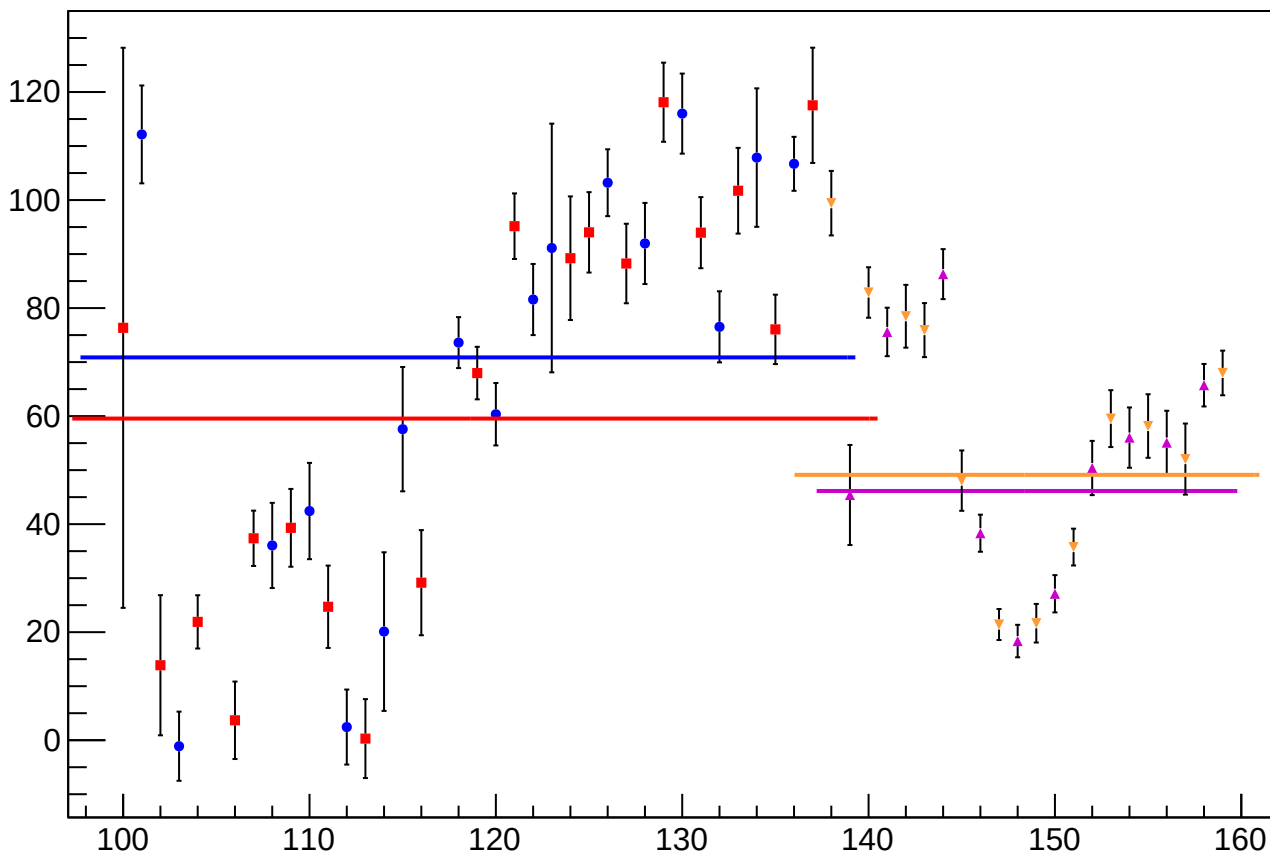
Right: 357.695+/-1.878 χ^2/NDF : 5901.5/35

In: 308.249+/-1.403 χ^2/NDF : 3456.9/26

Out: 300.295+/-1.347 χ^2/NDF : 4278.4/30

All: 304.110+/-0.971 χ^2/NDF : 7752.0/57

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: 49.127 $\pm$ 1.283 χ^2 /NDF:372.3/11

Right Out: 59.546 $\pm$ 1.633 χ^2 /NDF: 490.9/18

Left In: 46.138 $\pm$ 1.345 χ^2 /NDF:270.2/9

Left: 47.704 $\pm$ 0.928 χ^2 /NDF: 645.1/21

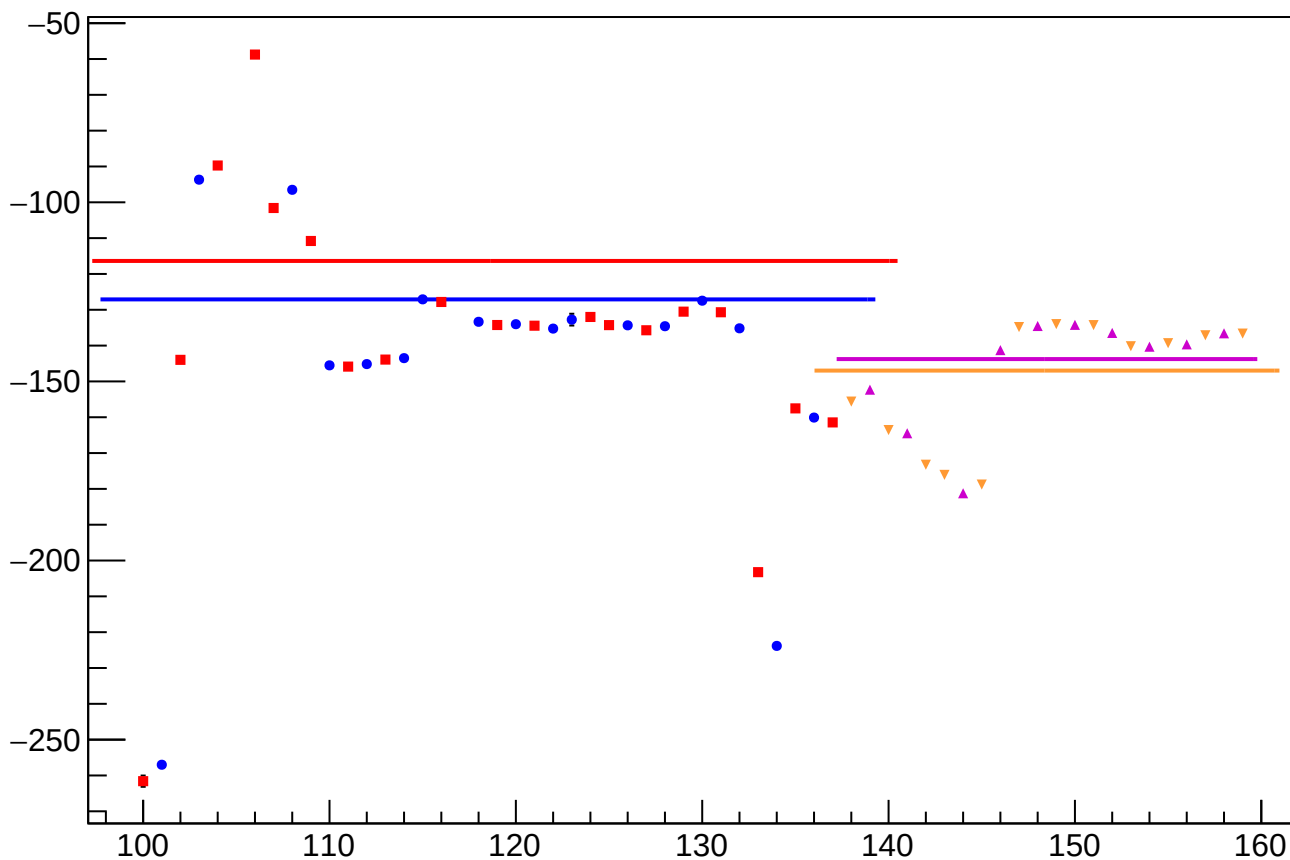
Right: 64.838 $\pm$ 1.192 χ^2 /NDF: 940.3/35

In: 55.371 $\pm$ 1.065 χ^2 /NDF:823.3/26

Out: 53.102 $\pm$ 1.009 χ^2 /NDF:888.4/30

All: 54.175 $\pm$ 0.732 χ^2 /NDF: 1714.1/57

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: -146.976+/-0.064 χ^2/NDF : 62950.3/11

Right Out: -116.369+/-0.083 χ^2/NDF : 167595.6/18

Left In: -143.764+/-0.065 χ^2/NDF : 40662.8/9

Left: -145.394+/-0.046 χ^2/NDF : 104852.9/21

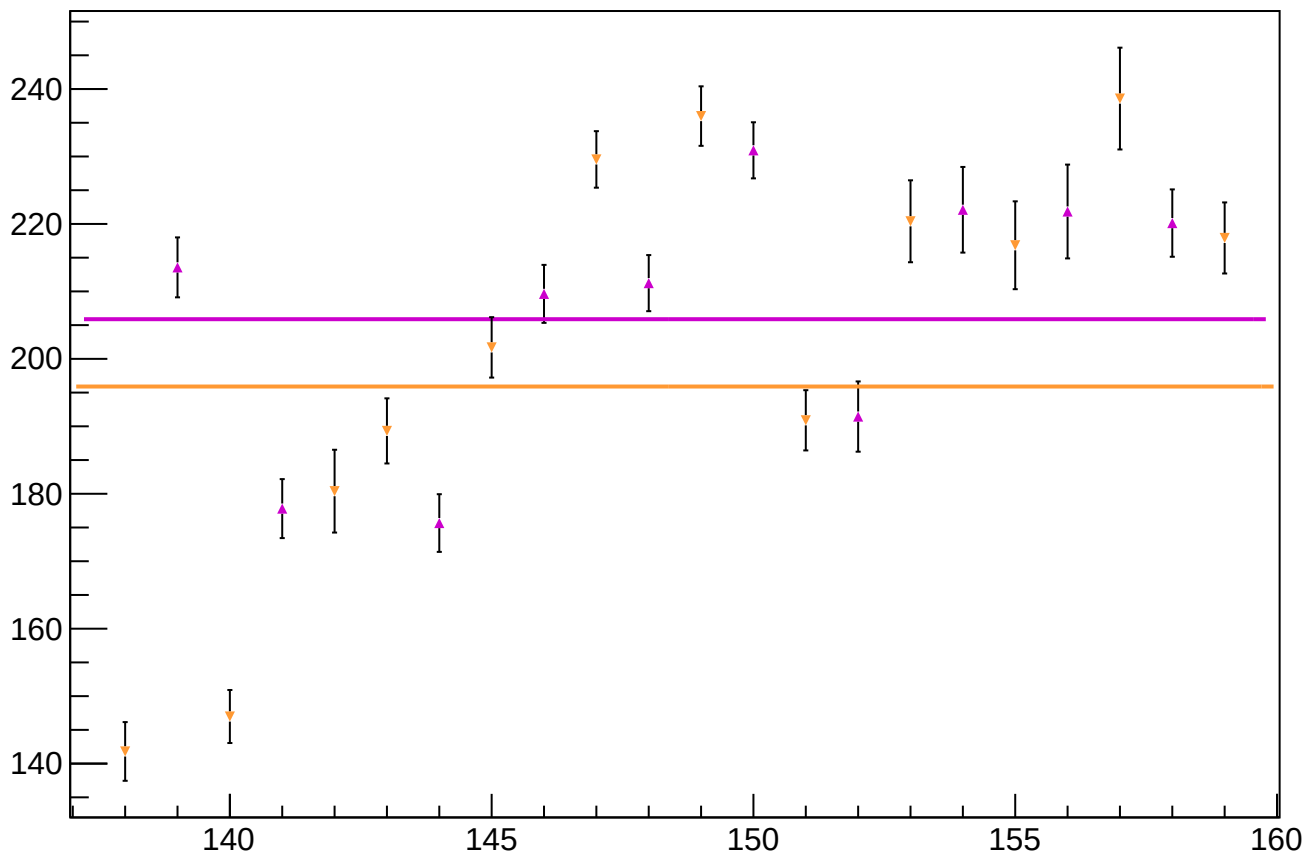
Right: -121.332+/-0.061 χ^2/NDF : 342408.2/35

In: -138.006+/-0.053 χ^2/NDF : 230433.1/26

Out: -135.548+/-0.051 χ^2/NDF : 315913.2/30

All: -136.731+/-0.036 χ^2/NDF : 547479.5/57

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: 195.899+/-1.415 χ^2/NDF :543.8/11

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

Left In: 205.880+/-1.491 χ^2/NDF :160.5/9

Left: 200.628+/-1.026 χ^2/NDF : 727.9/21

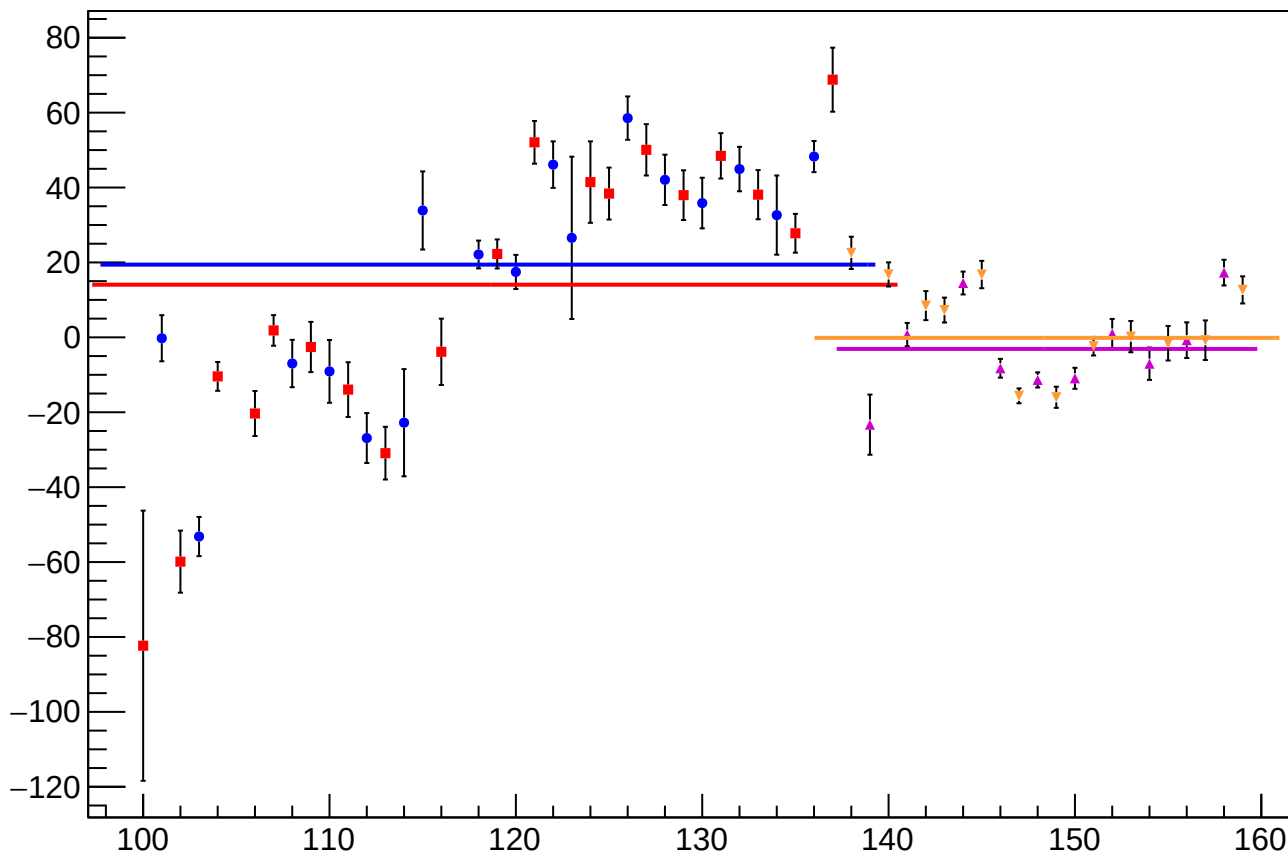
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 205.880+/-1.491 χ^2/NDF :160.5/9

Out: 195.899+/-1.415 χ^2/NDF :543.8/11

All: 200.628+/-1.026 χ^2/NDF : 727.9/21

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: -0.141 ± 0.936 χ^2/NDF : 192.6/11

Right Out: 14.055 ± 1.392 χ^2/NDF : 436.5/18

Left In: -3.093 ± 0.997 χ^2/NDF : 107.4/9

Left: -1.524 ± 0.683 χ^2/NDF : 304.6/21

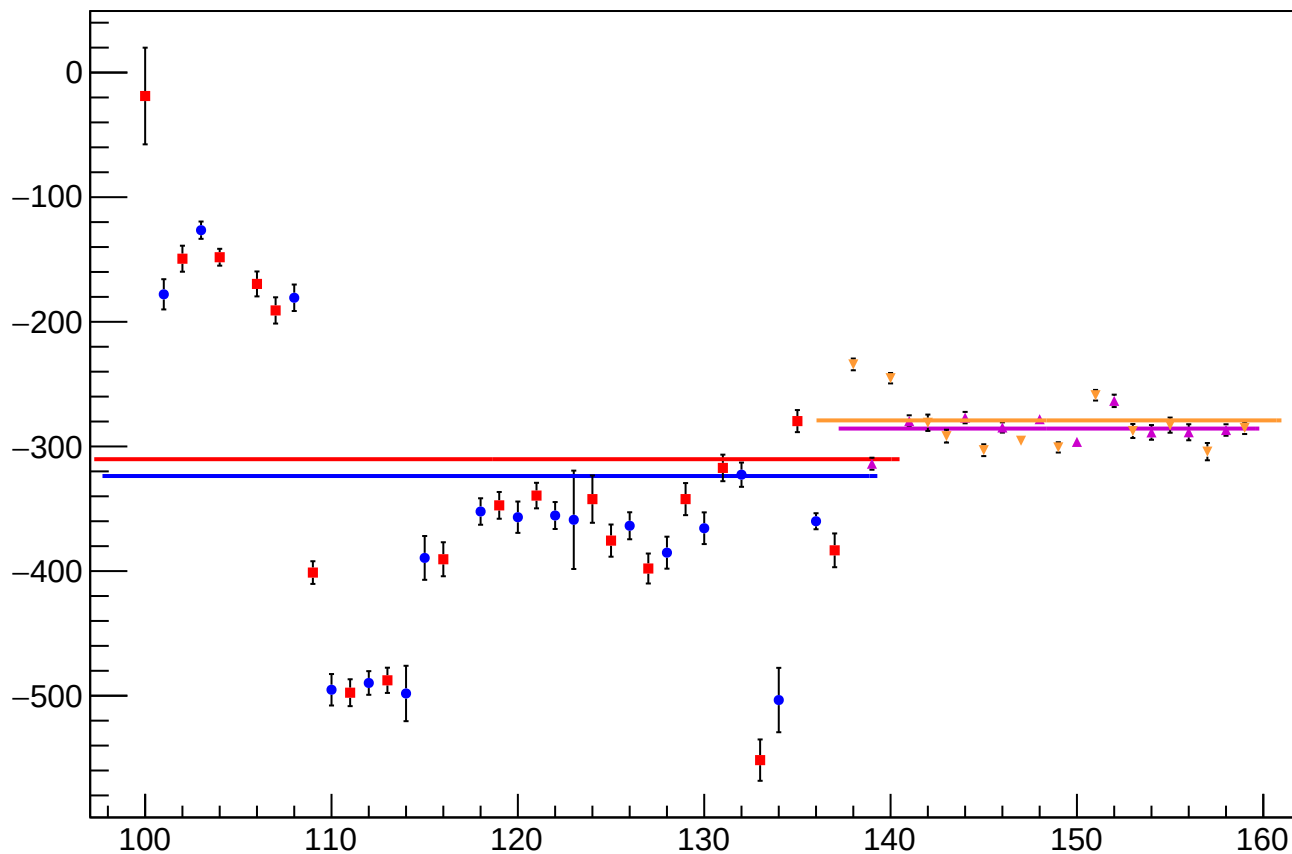
Right: 16.572 ± 1.014 χ^2/NDF : 884.6/35

In: 3.936 ± 0.827 χ^2/NDF : 707.6/26

Out: 4.280 ± 0.777 χ^2/NDF : 700.7/30

All: 4.119 ± 0.566 χ^2/NDF : 1408.4/57

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.721 ± 2.668 $\chi^2/\text{NDF}: 1850.8/16$

Left Out: -279.092 ± 1.403 $\chi^2/\text{NDF}: 272.3/11$

Right Out: -310.223 ± 2.523 $\chi^2/\text{NDF}: 2300.0/18$

Left In: -285.653 ± 1.461 $\chi^2/\text{NDF}: 71.5/9$

Left: -282.241 ± 1.012 $\chi^2/\text{NDF}: 354.3/21$

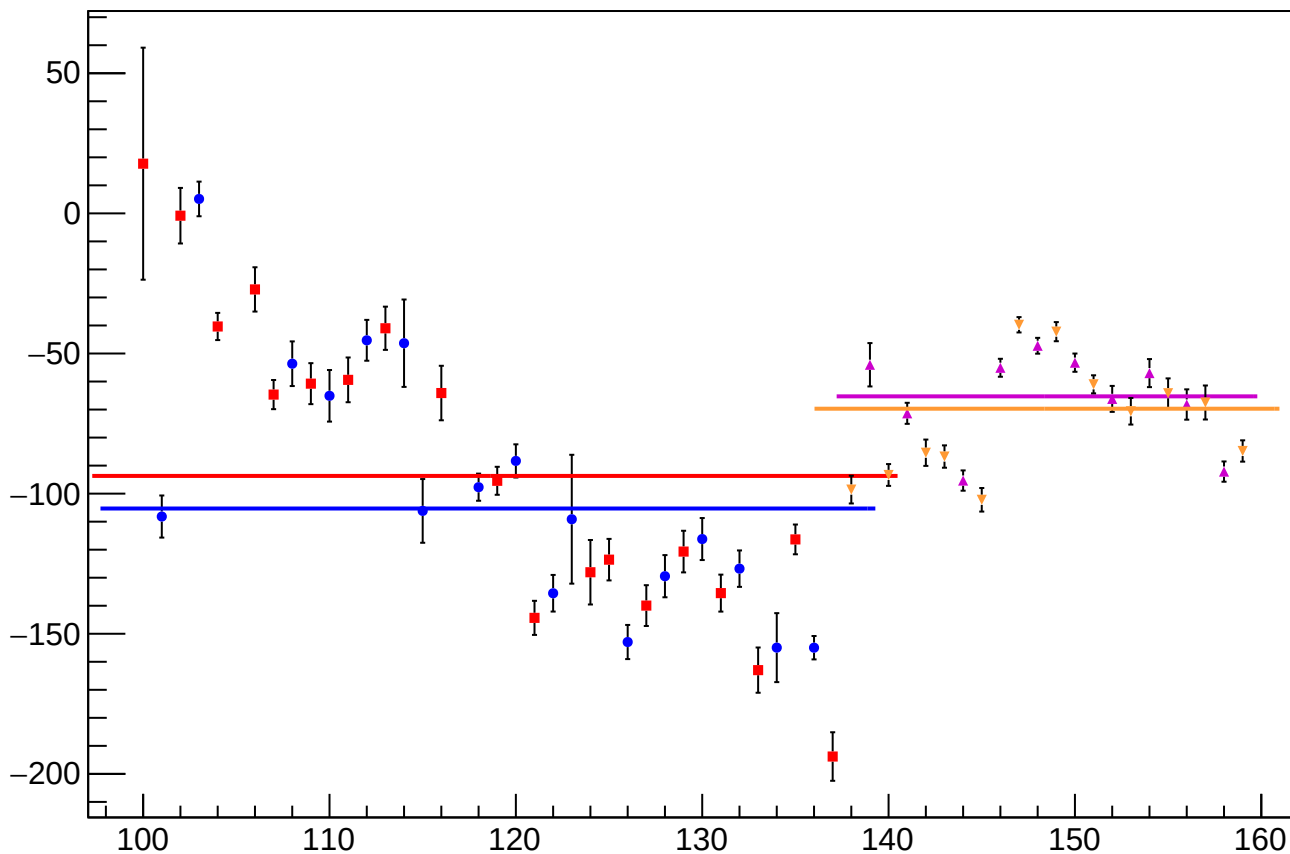
Right: -316.595 ± 1.833 $\chi^2/\text{NDF}: 4164.2/35$

In: -294.433 ± 1.281 $\chi^2/\text{NDF}: 2078.9/26$

Out: -286.448 ± 1.226 $\chi^2/\text{NDF}: 2688.6/30$

All: -290.265 ± 0.886 $\chi^2/\text{NDF}: 4787.7/57$

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: -69.697 ± 1.144 χ^2/NDF : 369.0/11

Right Out: -93.680 ± 1.612 χ^2/NDF : 826.5/18

Left In: -65.289 ± 1.214 χ^2/NDF : 196.5/9

Left: -67.623 ± 0.833 χ^2/NDF : 572.5/21

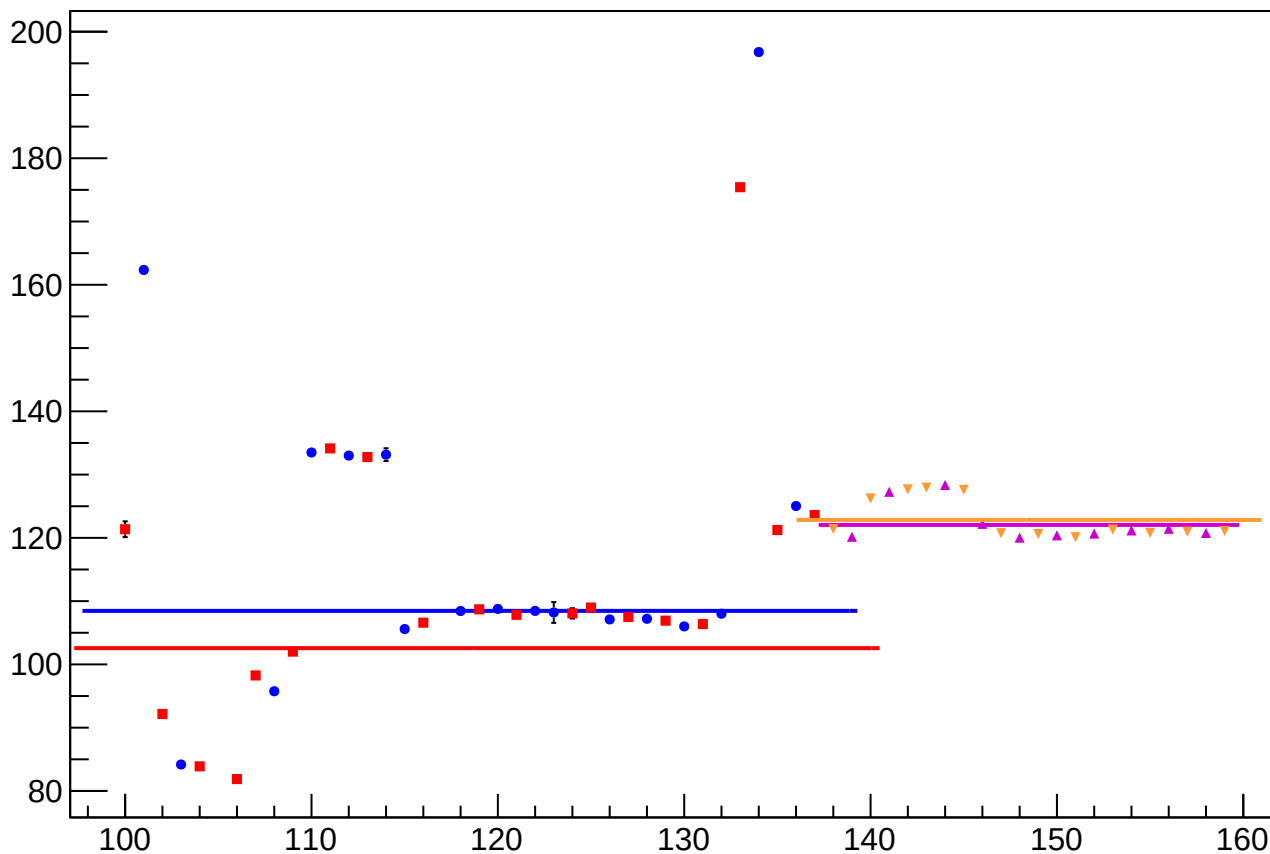
Right: -99.207 ± 1.167 χ^2/NDF : 1588.8/35

In: -78.874 ± 0.987 χ^2/NDF : 1302.9/26

Out: -77.737 ± 0.933 χ^2/NDF : 1342.7/30

All: -78.274 ± 0.678 χ^2/NDF : 2646.4/57

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.461+/-0.085 χ^2/NDF : 73302.1/16

Left Out: 122.835+/-0.057 χ^2/NDF : 2814.7/11

Right Out: 102.570+/-0.079 χ^2/NDF : 53143.8/18

Left In: 122.045+/-0.058 χ^2/NDF : 2273.5/9

Left: 122.451+/-0.041 χ^2/NDF : 5182.9/21

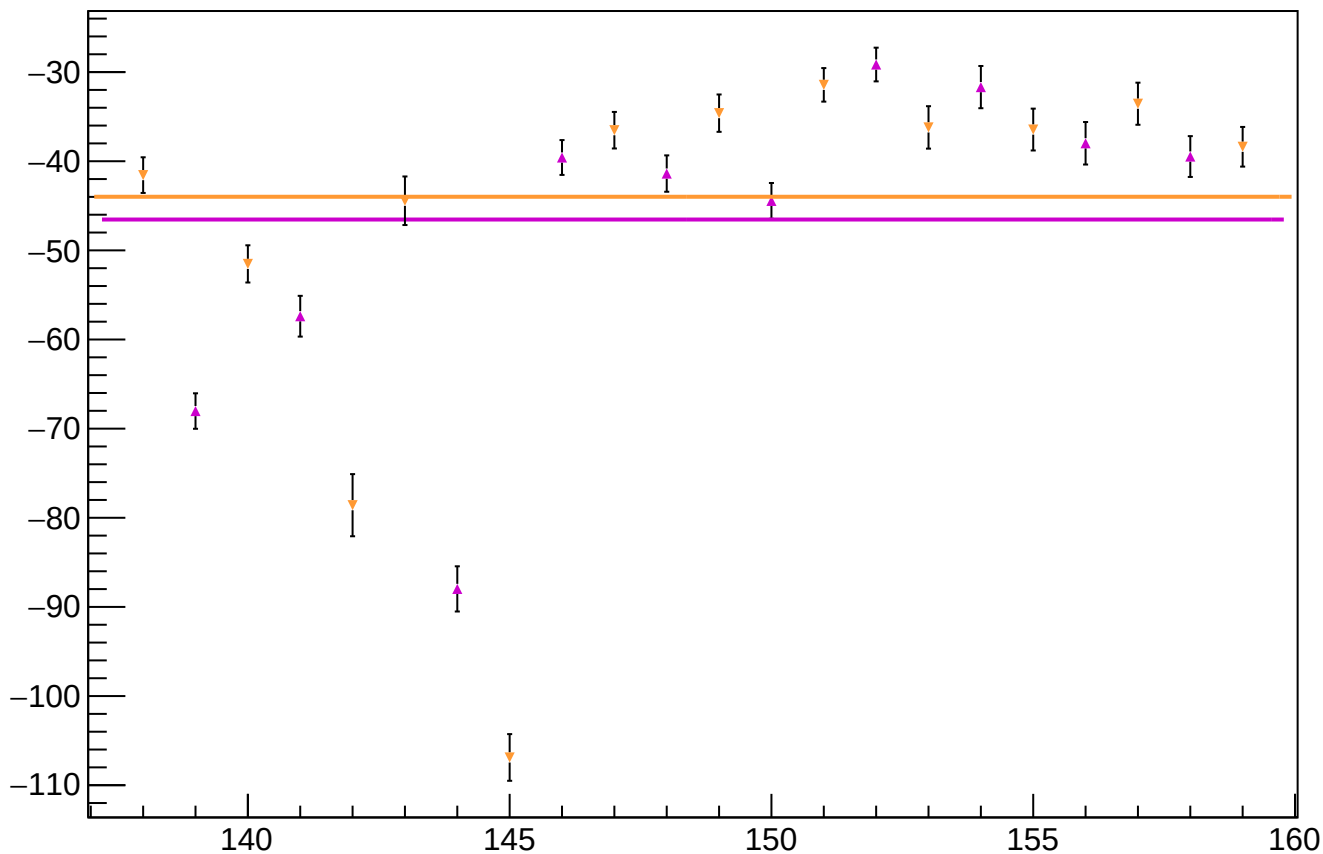
Right: 105.327+/-0.058 χ^2/NDF : 129018.0/35

In: 117.689+/-0.048 χ^2/NDF : 93042.1/26

Out: 116.019+/-0.046 χ^2/NDF : 99125.2/30

All: 116.821+/-0.033 χ^2/NDF : 192797.5/57

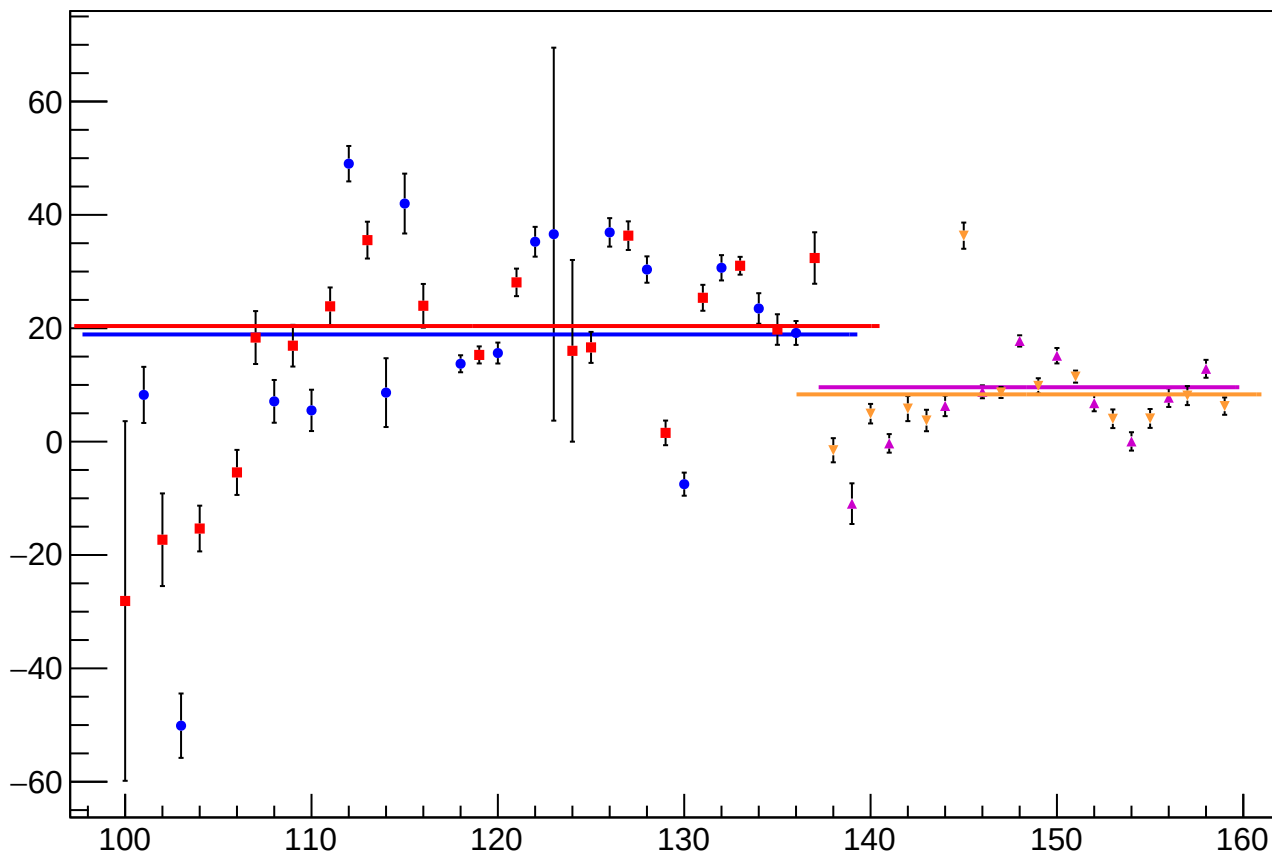
reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -43.986+/-0.655 χ^2/NDF :814.6/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -46.540+/-0.678 χ^2/NDF :572.6/9

Left: -45.219+/-0.471 χ^2/NDF : 1394.5/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -46.540+/-0.678 χ^2/NDF :572.6/9
 Out: -43.986+/-0.655 χ^2/NDF :814.6/11
 All: -45.219+/-0.471 χ^2/NDF : 1394.5/21

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.906 ± 0.644 χ^2/NDF : 618.9/16

Left Out: 8.334 ± 0.437 χ^2/NDF : 204.5/11

Right Out: 20.390 ± 0.644 χ^2/NDF : 365.3/18

Left In: 9.595 ± 0.460 χ^2/NDF : 201.7/9

Left: 8.932 ± 0.317 χ^2/NDF : 410.2/21

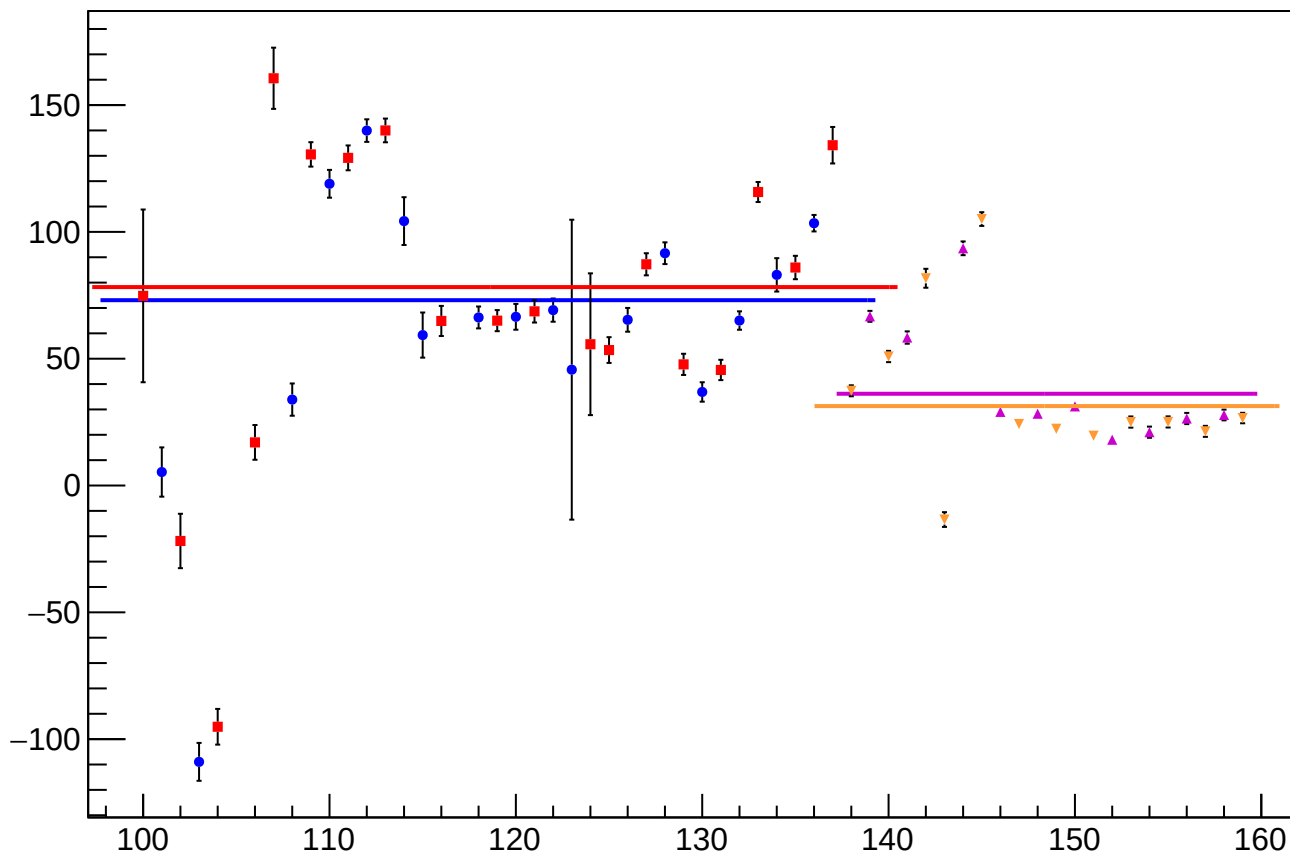
Right: 19.648 ± 0.455 χ^2/NDF : 986.9/35

In: 12.746 ± 0.374 χ^2/NDF : 959.1/26

Out: 12.142 ± 0.362 χ^2/NDF : 809.7/30

All: 12.434 ± 0.260 χ^2/NDF : 1770.2/57

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: 31.319 $\pm$ 0.640 χ^2 /NDF:1366.9/11

Right Out: 78.241 $\pm$ 1.223 χ^2 /NDF: 1542.7/18

Left In: 36.177 $\pm$ 0.659 χ^2 /NDF:952.6/9

Left: 33.677 $\pm$ 0.459 χ^2 /NDF: 2347.5/21

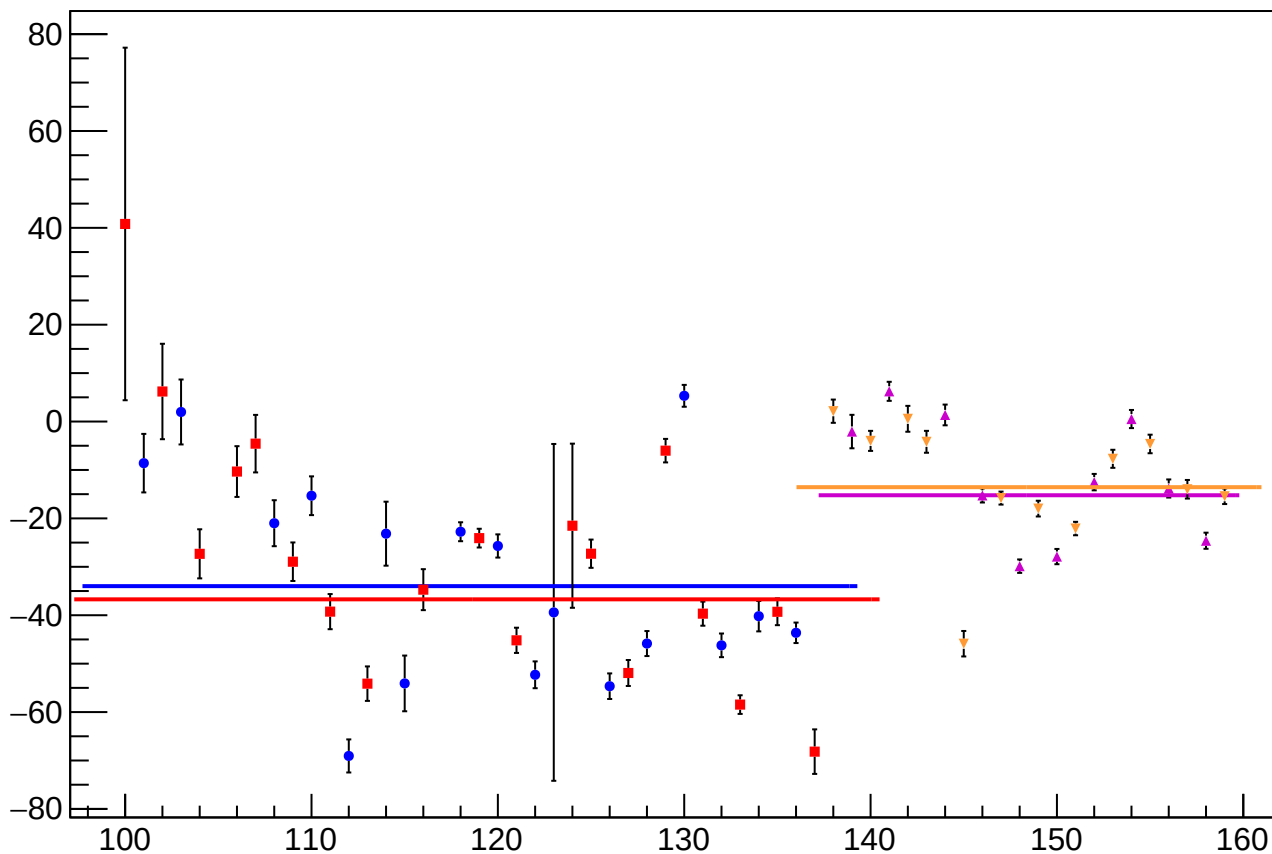
Right: 75.667 $\pm$ 0.866 χ^2 /NDF: 2751.5/35

In: 44.427 $\pm$ 0.581 χ^2 /NDF:2853.6/26

Out: 41.410 $\pm$ 0.567 χ^2 /NDF:4065.8/30

All: 42.883 $\pm$ 0.406 χ^2 /NDF: 6933.2/57

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: -13.554 ± 0.530 χ^2/NDF : 341.3/11

Right Out: -36.719 ± 0.737 χ^2/NDF : 542.9/18

Left In: -15.222 ± 0.556 χ^2/NDF : 475.2/9

Left: -14.348 ± 0.384 χ^2/NDF : 821.1/21

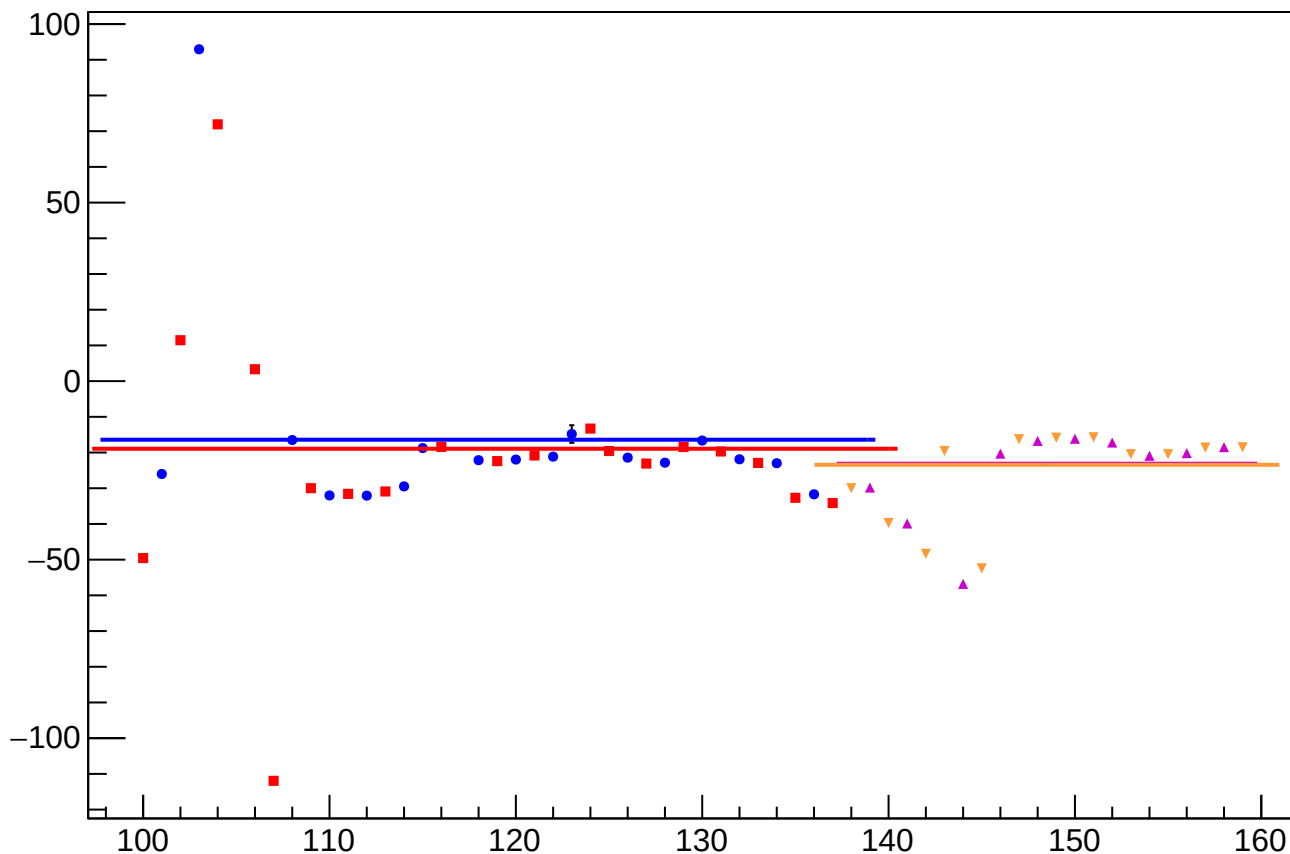
Right: -35.354 ± 0.521 χ^2/NDF : 1269.6/35

In: -22.041 ± 0.444 χ^2/NDF : 1608.7/26

Out: -21.457 ± 0.430 χ^2/NDF : 1535.5/30

All: -21.740 ± 0.309 χ^2/NDF : 3145.1/57

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: -23.436 ± 0.025 $\chi^2/\text{NDF}: 172217.9/11$

Right Out: -18.934 ± 0.045 $\chi^2/\text{NDF}: 434152.2/18$

Left In: -23.127 ± 0.026 $\chi^2/\text{NDF}: 144654.7/9$

Left: -23.285 ± 0.018 $\chi^2/\text{NDF}: 316946.2/21$

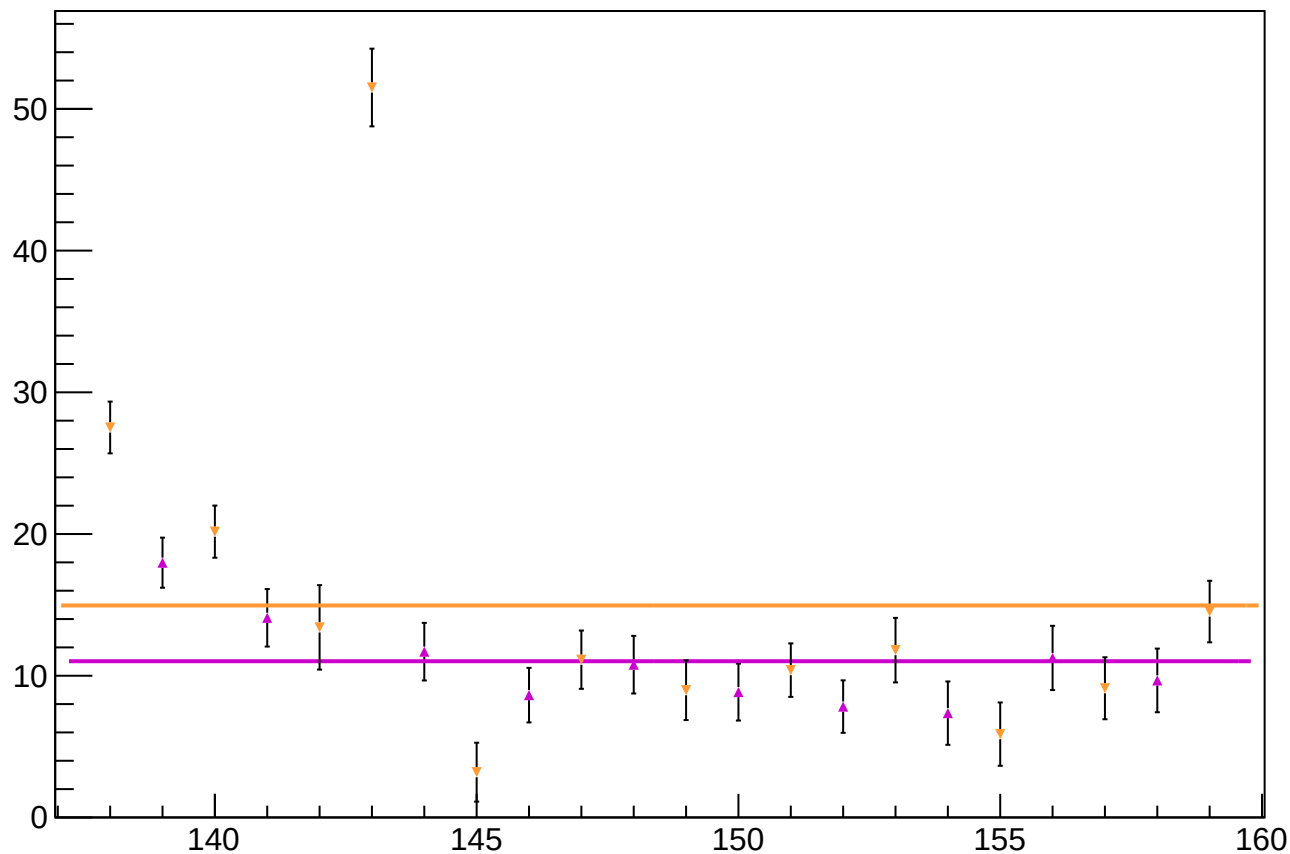
Right: -17.648 ± 0.032 $\chi^2/\text{NDF}: 910108.0/35$

In: -21.436 ± 0.022 $\chi^2/\text{NDF}: 636145.7/26$

Out: -22.375 ± 0.022 $\chi^2/\text{NDF}: 613938.5/30$

All: -21.912 ± 0.016 $\chi^2/\text{NDF}: 1250984.2/57$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 14.959+/-0.617 χ^2/NDF :308.3/11

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

Left In: 11.025+/-0.639 χ^2/NDF :26.7/9

Left: 13.061+/-0.444 χ^2/NDF : 354.6/21

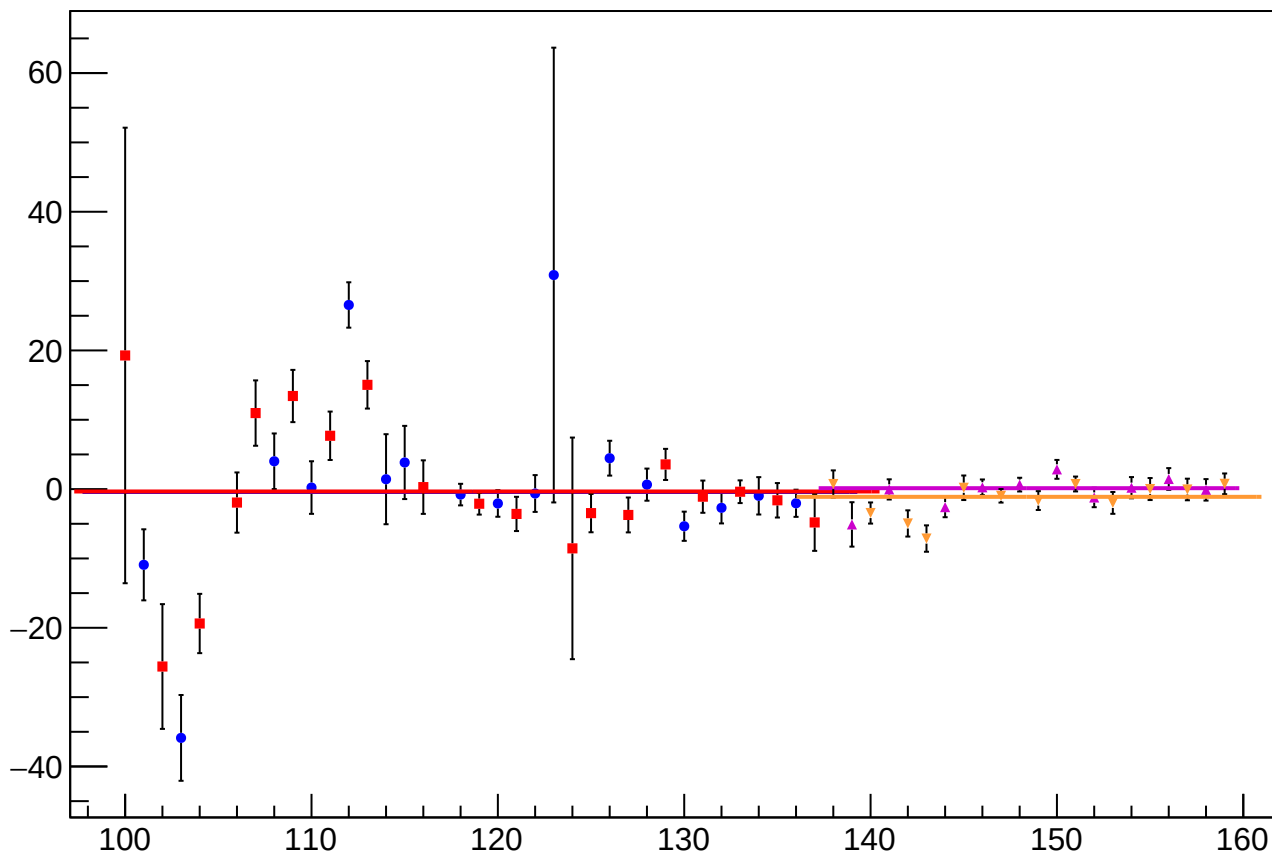
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 11.025+/-0.639 χ^2/NDF :26.7/9

Out: 14.959+/-0.617 χ^2/NDF :308.3/11

All: 13.061+/-0.444 χ^2/NDF : 354.6/21

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: -1.114 ± 0.419 χ^2/NDF : 23.9/11

Right Out: -0.342 ± 0.658 χ^2/NDF : 83.7/18

Left In: 0.133 ± 0.441 χ^2/NDF : 12.1/9

Left: -0.521 ± 0.304 χ^2/NDF : 40.2/21

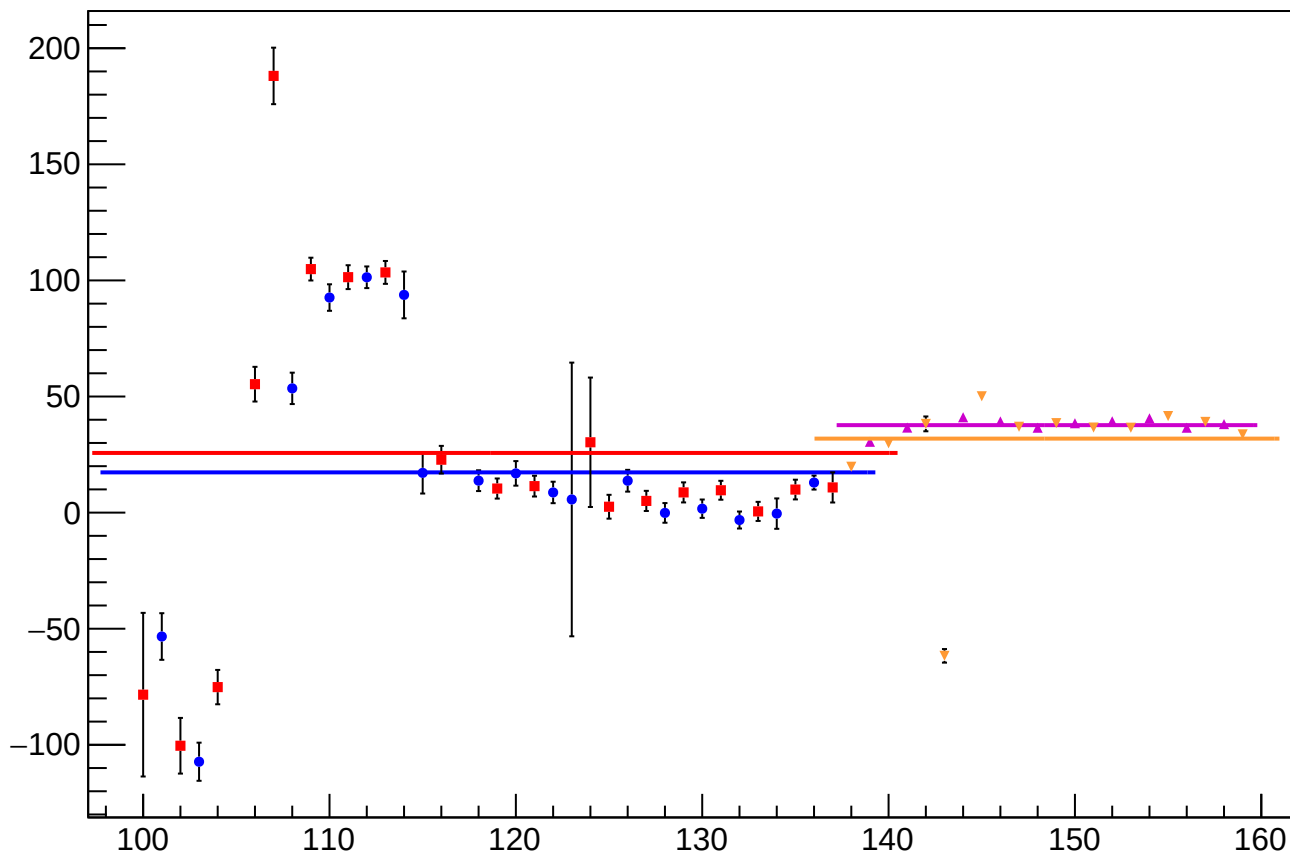
Right: -0.378 ± 0.463 χ^2/NDF : 203.7/35

In: -0.038 ± 0.365 χ^2/NDF : 132.5/26

Out: -0.891 ± 0.354 χ^2/NDF : 108.6/30

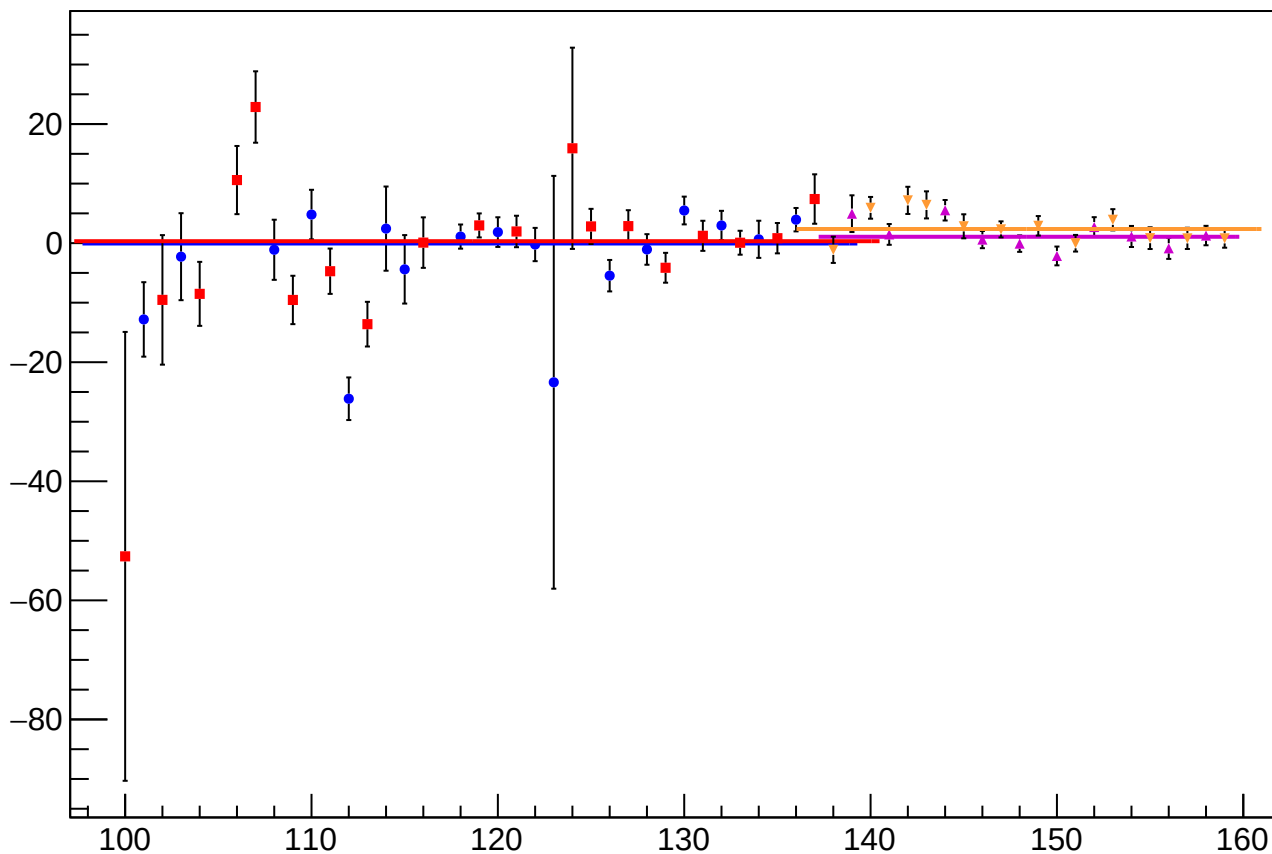
All: -0.478 ± 0.254 χ^2/NDF : 243.9/57

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Left: 34.685 ± 0.435 $\chi^2/\text{NDF} = 1265.6/21$
 Right: 21.501 ± 0.877 $\chi^2/\text{NDF} = 2345.0/35$
 In: 33.547 ± 0.558 $\chi^2/\text{NDF} = 1179.4/26$
 Out: 30.686 ± 0.545 $\chi^2/\text{NDF} = 2599.0/30$
 All: 32.083 ± 0.390 $\chi^2/\text{NDF} = 3791.9/57$

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: 2.375 ± 0.506 χ^2/NDF : 20.2/11

Right Out: 0.326 ± 0.749 χ^2/NDF : 55.1/18

Left In: 1.068 ± 0.531 χ^2/NDF : 15.5/9

Left: 1.753 ± 0.366 χ^2/NDF : 38.9/21

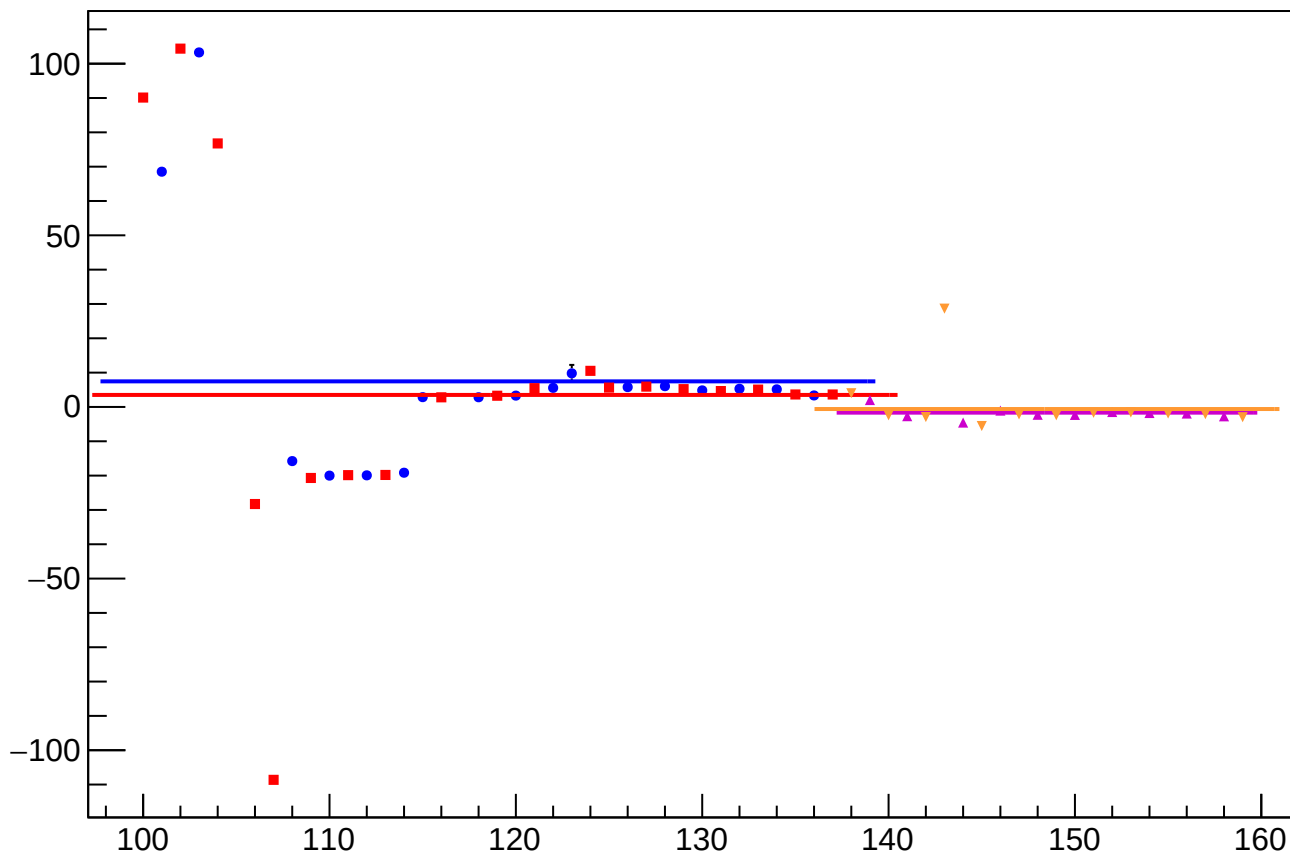
Right: 0.132 ± 0.528 χ^2/NDF : 131.8/35

In: 0.688 ± 0.432 χ^2/NDF : 93.5/26

Out: 1.733 ± 0.419 χ^2/NDF : 80.5/30

All: 1.226 ± 0.301 χ^2/NDF : 177.0/57

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: -0.605+/-0.024 χ^2/NDF : 73108.6/11

Right Out: 3.502+/-0.046 χ^2/NDF : 510579.7/18

Left In: -1.660+/-0.024 χ^2/NDF : 4417.8/9

Left: -1.117+/-0.017 χ^2/NDF : 78489.2/21

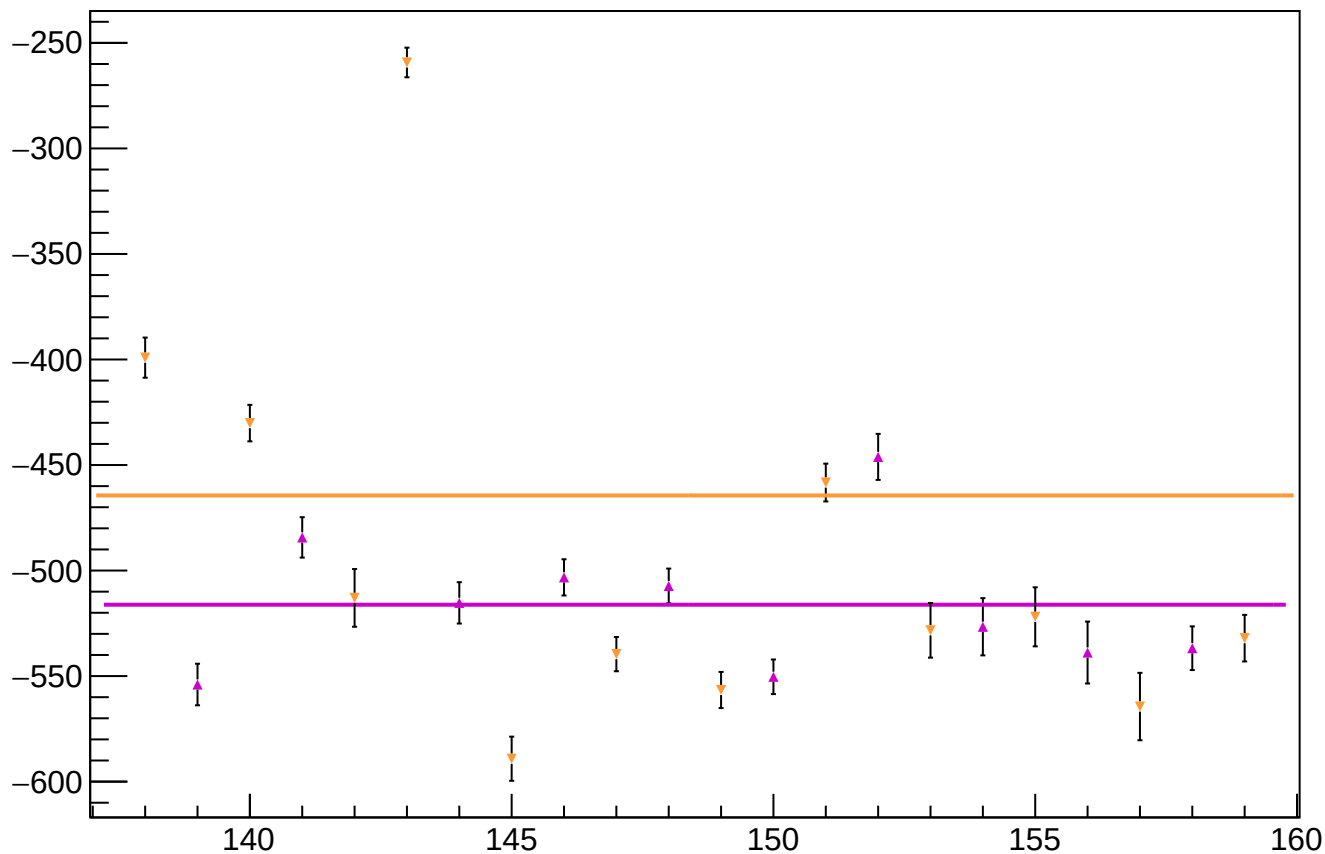
Right: 5.528+/-0.032 χ^2/NDF : 870492.1/35

In: 0.450+/-0.021 χ^2/NDF : 392820.9/26

Out: 0.270+/-0.021 χ^2/NDF : 590086.6/30

All: 0.359+/-0.015 χ^2/NDF : 982943.5/57

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: -464.414+/-2.843 χ^2/NDF :1392.2/11

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

Left In: -516.185+/-3.120 χ^2/NDF :94.8/9

Left: -487.895+/-2.101 χ^2/NDF : 1637.5/21

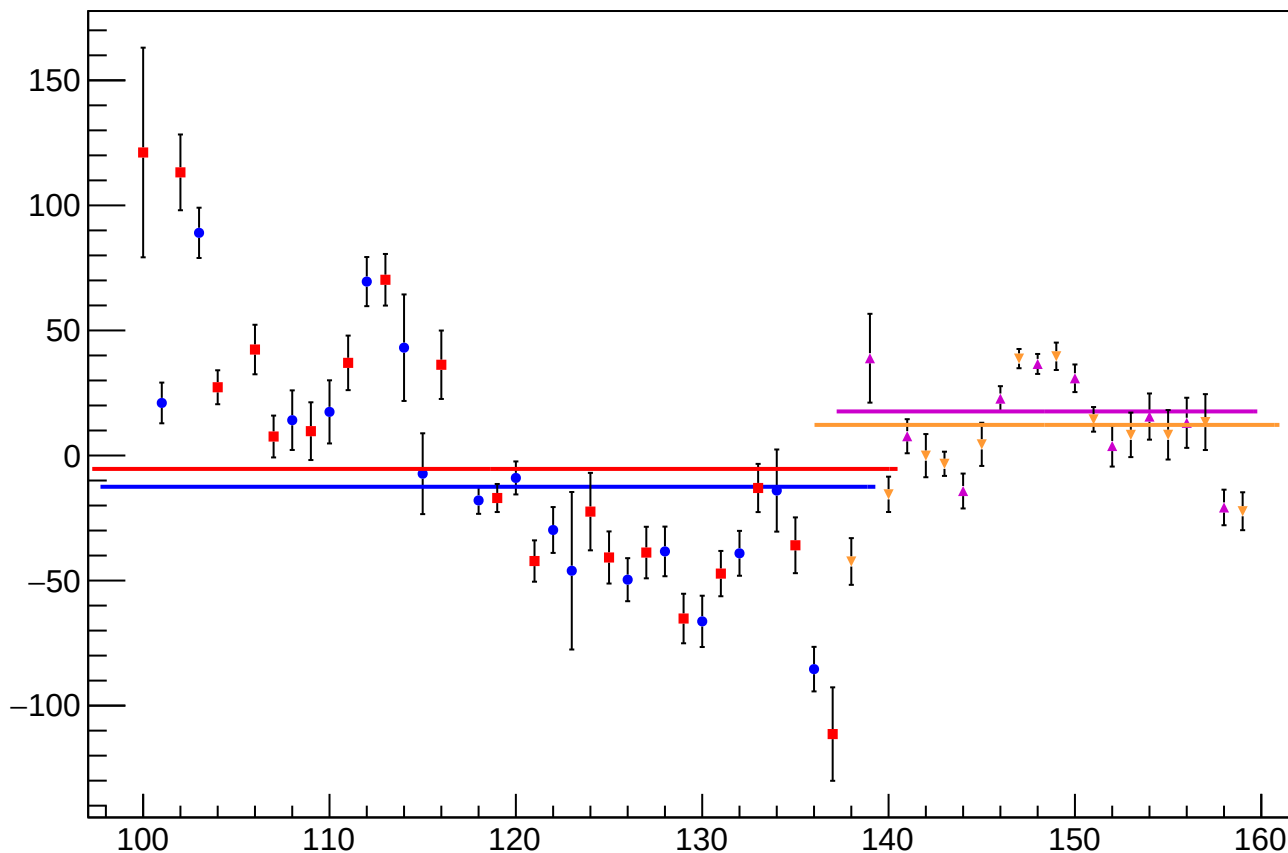
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -516.185+/-3.120 χ^2/NDF :94.8/9

Out: -464.414+/-2.843 χ^2/NDF :1392.2/11

All: -487.895+/-2.101 χ^2/NDF : 1637.5/21

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.500 ± 2.311 χ^2/NDF : 341.1/16

Left Out: 12.237 ± 1.852 χ^2/NDF : 156.7/11

Right Out: -5.363 ± 2.264 χ^2/NDF : 344.6/18

Left In: 17.621 ± 2.052 χ^2/NDF : 86.1/9

Left: 14.655 ± 1.375 χ^2/NDF : 246.5/21

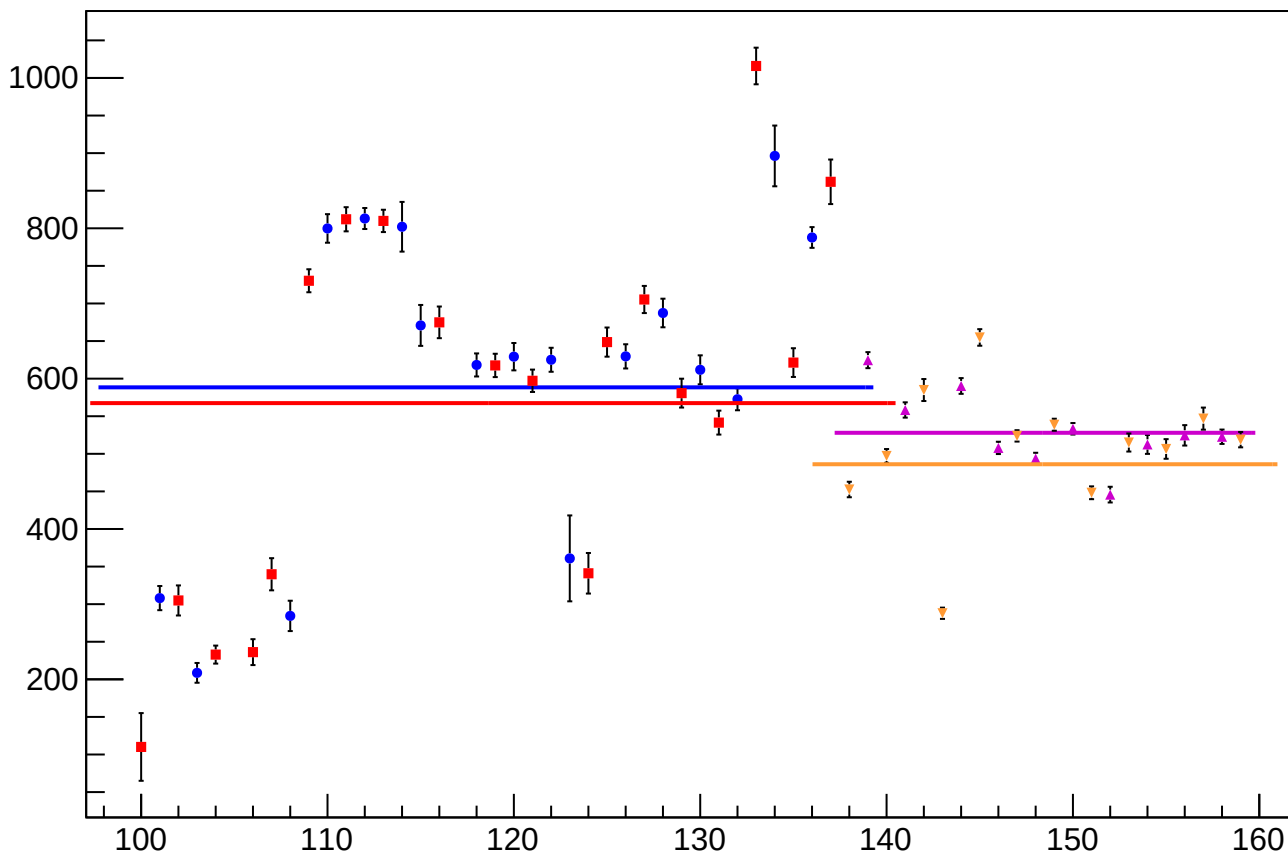
Right: -8.858 ± 1.617 χ^2/NDF : 690.5/35

In: 4.343 ± 1.534 χ^2/NDF : 522.1/26

Out: 5.181 ± 1.434 χ^2/NDF : 537.4/30

All: 4.790 ± 1.048 χ^2/NDF : 1059.7/57

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 588.421+/-4.320 χ^2/NDF : 2130.2/16

Left Out: 486.125+/-2.821 χ^2/NDF : 1115.5/11

Right Out: 567.451+/-4.137 χ^2/NDF : 2784.8/18

Left In: 527.969+/-3.042 χ^2/NDF : 216.5/9

Left: 505.472+/-2.068 χ^2/NDF : 1433.7/21

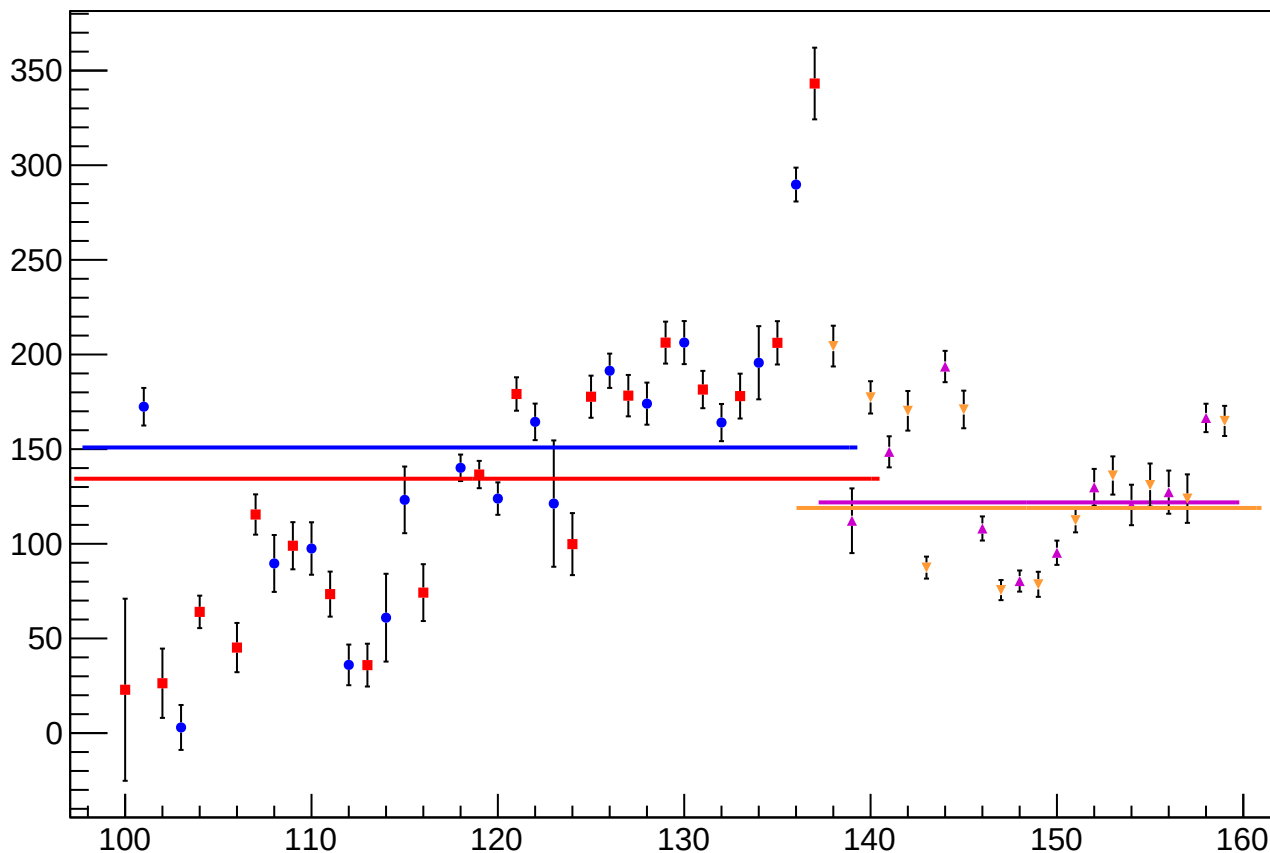
Right: 577.481+/-2.988 χ^2/NDF : 4927.3/35

In: 548.002+/-2.487 χ^2/NDF : 2477.6/26

Out: 511.933+/-2.330 χ^2/NDF : 4164.1/30

All: 528.796+/-1.701 χ^2/NDF : 6753.7/57

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: 118.937 $\pm$ 2.274 χ^2 /NDF:333.4/11

Right Out: 134.381 $\pm$ 2.620 χ^2 /NDF: 584.9/18

Left In: 121.875 $\pm$ 2.510 χ^2 /NDF:199.8/9

Left: 120.262 $\pm$ 1.685 χ^2 /NDF: 533.9/21

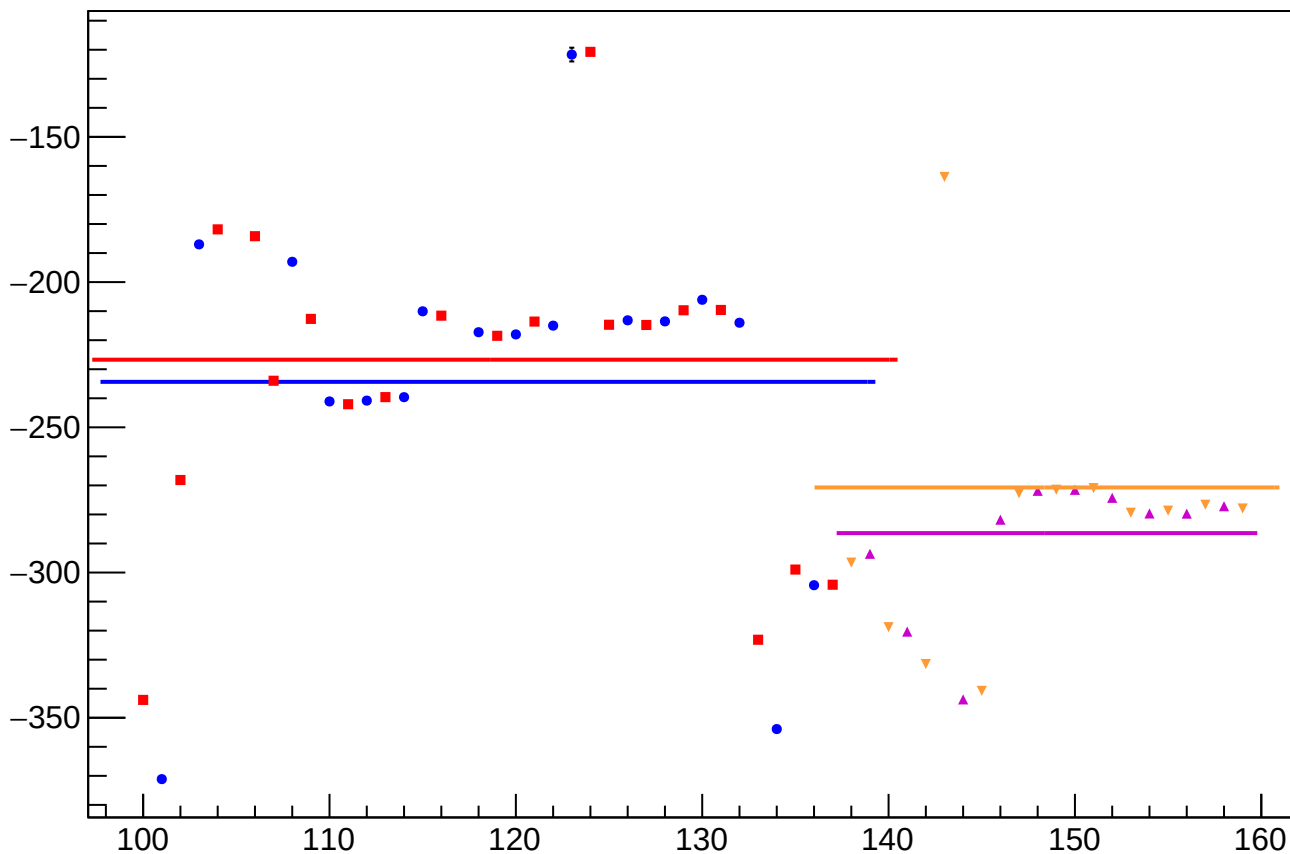
Right: 142.467 $\pm$ 1.871 χ^2 /NDF: 1239.2/35

In: 135.465 $\pm$ 1.830 χ^2 /NDF:897.2/26

Out: 125.575 $\pm$ 1.717 χ^2 /NDF:938.1/30

All: 130.207 $\pm$ 1.252 χ^2 /NDF: 1850.8/57

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: -270.705+/-0.114 χ^2/NDF : 182670.2/11

Right Out: -226.716+/-0.141 χ^2/NDF : 99440.4/18

Left In: -286.427+/-0.122 χ^2/NDF : 28973.6/9

Left: -278.077+/-0.083 χ^2/NDF : 220512.2/21

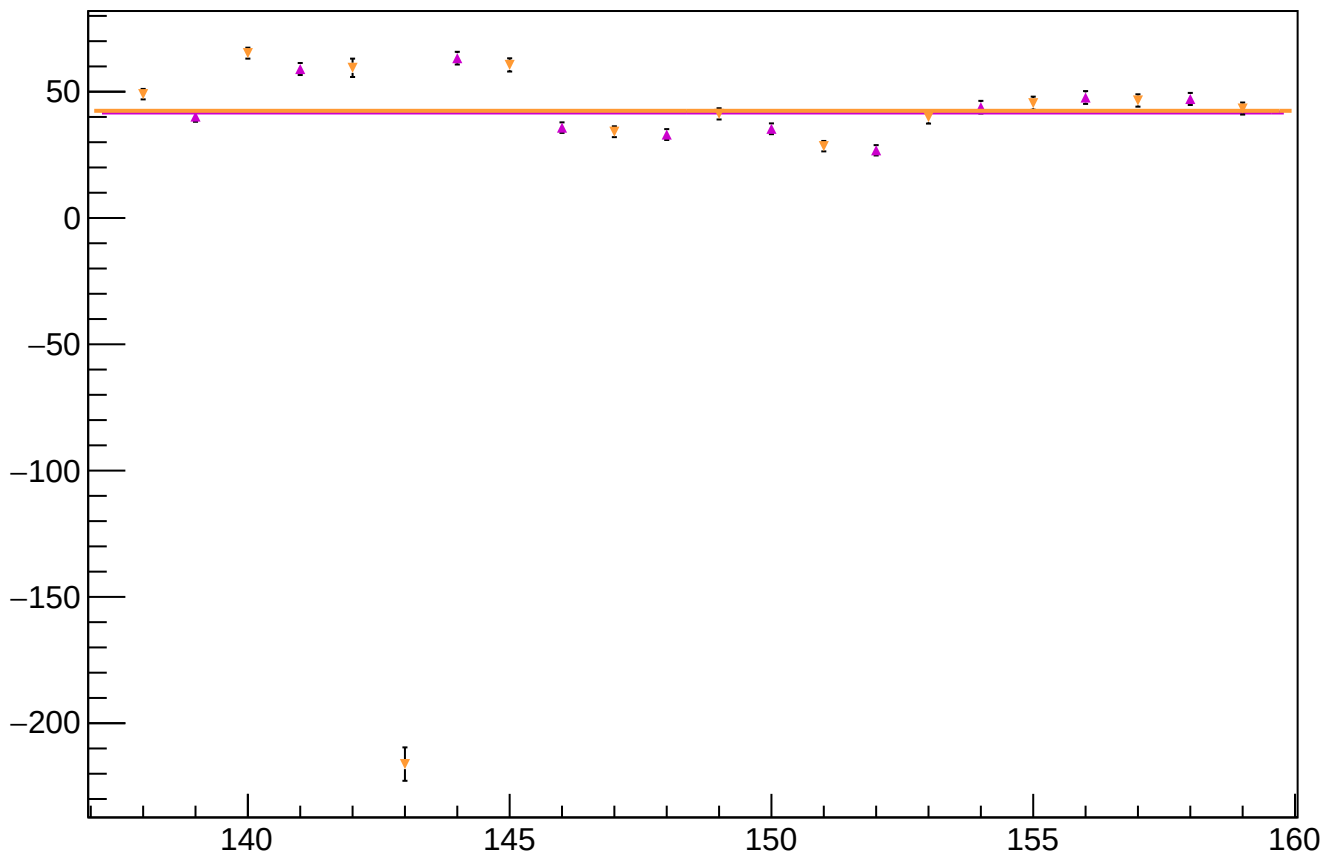
Right: -230.345+/-0.102 χ^2/NDF : 245990.9/35

In: -265.474+/-0.094 χ^2/NDF : 247864.6/26

Out: -253.306+/-0.089 χ^2/NDF : 340671.9/30

All: -259.045+/-0.065 χ^2/NDF : 597377.0/57

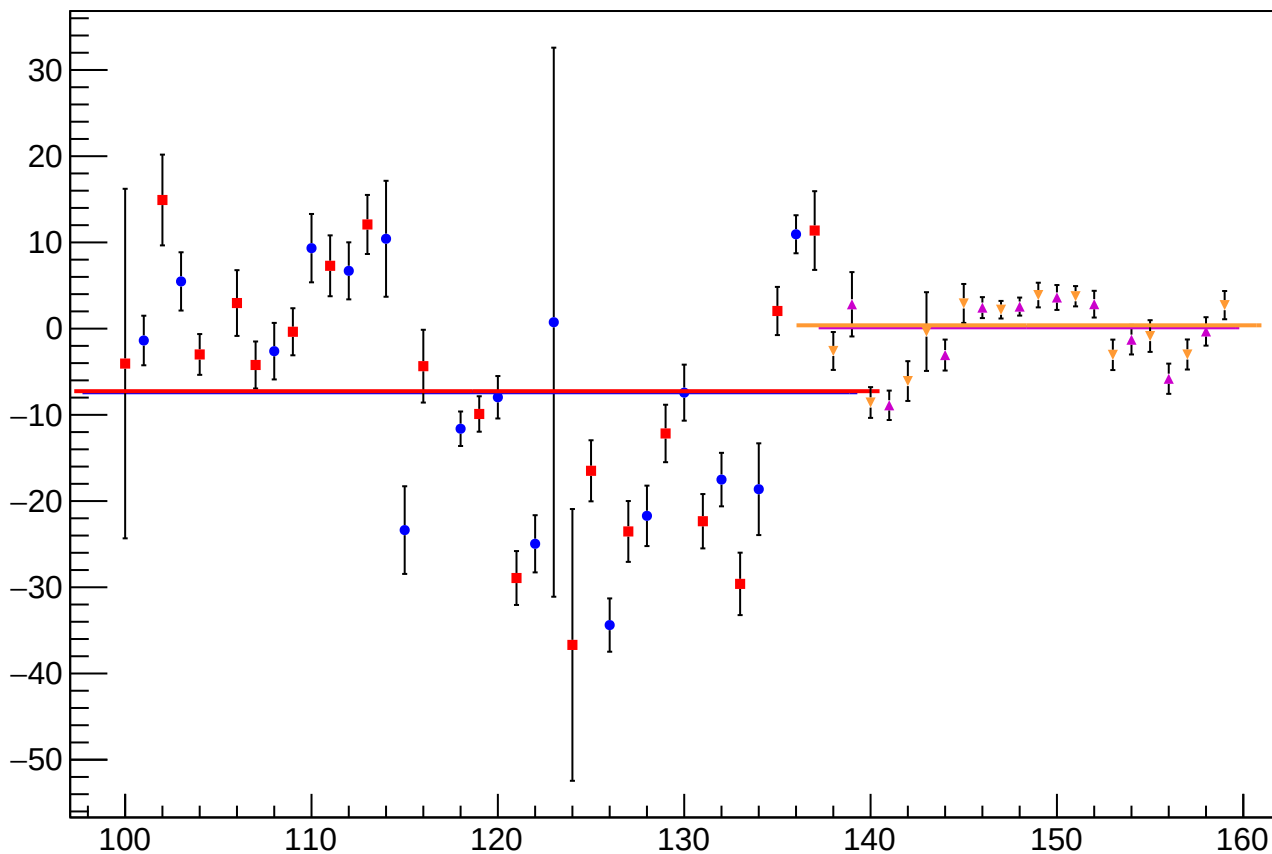
reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left Out: 42.434+/-0.709 χ^2 /NDF:1786.7/11
 Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left In: 41.767+/-0.714 χ^2 /NDF:224.6/9

Left: 42.102+/-0.503 χ^2 /NDF: 2011.8/21
 Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 In: 41.767+/-0.714 χ^2 /NDF:224.6/9
 Out: 42.434+/-0.709 χ^2 /NDF:1786.7/11
 All: 42.102+/-0.503 χ^2 /NDF: 2011.8/21

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: 0.385 ± 0.474 χ^2/NDF : 63.6/11

Right Out: -7.256 ± 0.762 χ^2/NDF : 257.3/18

Left In: 0.153 ± 0.485 χ^2/NDF : 61.8/9

Left: 0.271 ± 0.339 χ^2/NDF : 125.5/21

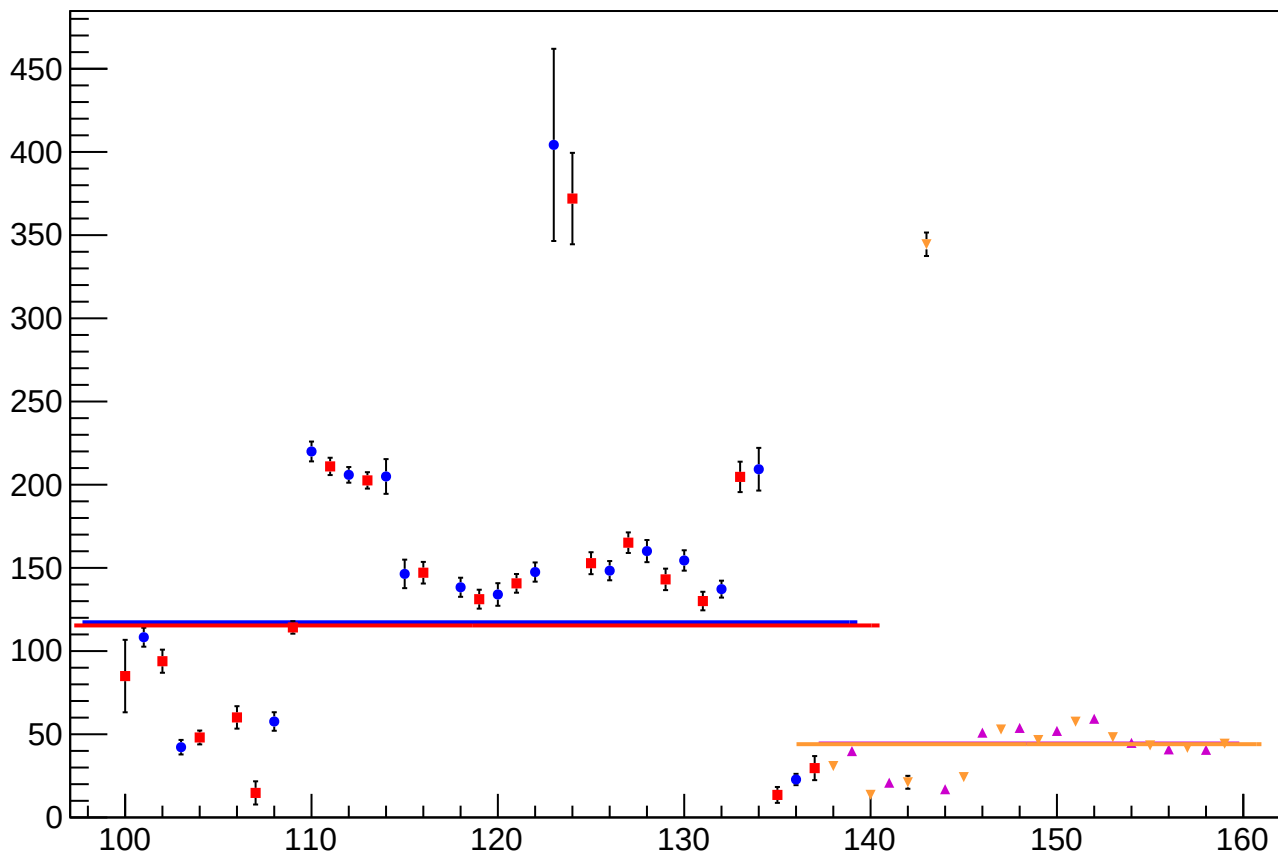
Right: -7.317 ± 0.545 χ^2/NDF : 540.9/35

In: -1.955 ± 0.412 χ^2/NDF : 412.8/26

Out: -1.749 ± 0.403 χ^2/NDF : 393.4/30

All: -1.850 ± 0.288 χ^2/NDF : 806.3/57

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: 44.041 $\pm$ 0.691 χ^2 /NDF:2179.8/11

Right Out: 115.405 $\pm$ 1.361 χ^2 /NDF: 2150.5/18

Left In: 44.442 $\pm$ 0.695 χ^2 /NDF:304.7/9

Left: 44.241 $\pm$ 0.490 χ^2 /NDF: 2484.7/21

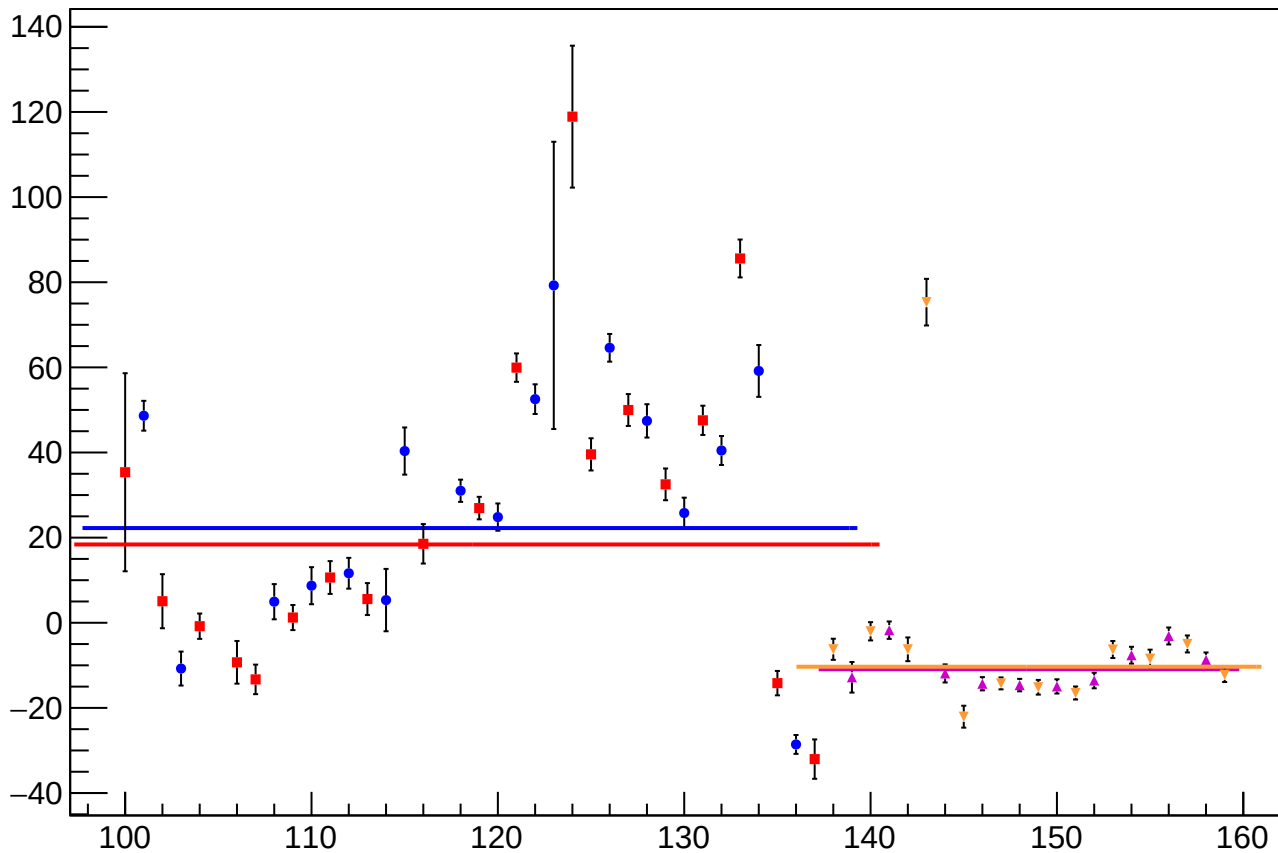
Right: 116.321 $\pm$ 0.979 χ^2 /NDF: 4312.7/35

In: 58.694 $\pm$ 0.623 χ^2 /NDF:4618.2/26

Out: 58.685 $\pm$ 0.616 χ^2 /NDF:6516.8/30

All: 58.689 $\pm$ 0.438 χ^2 /NDF: 11135.0/57

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: -10.328 ± 0.575 χ^2/NDF : 330.5/11

Right Out: 18.395 ± 0.872 χ^2/NDF : 1077.1/18

Left In: -10.921 ± 0.586 χ^2/NDF : 59.5/9

Left: -10.619 ± 0.410 χ^2/NDF : 390.6/21

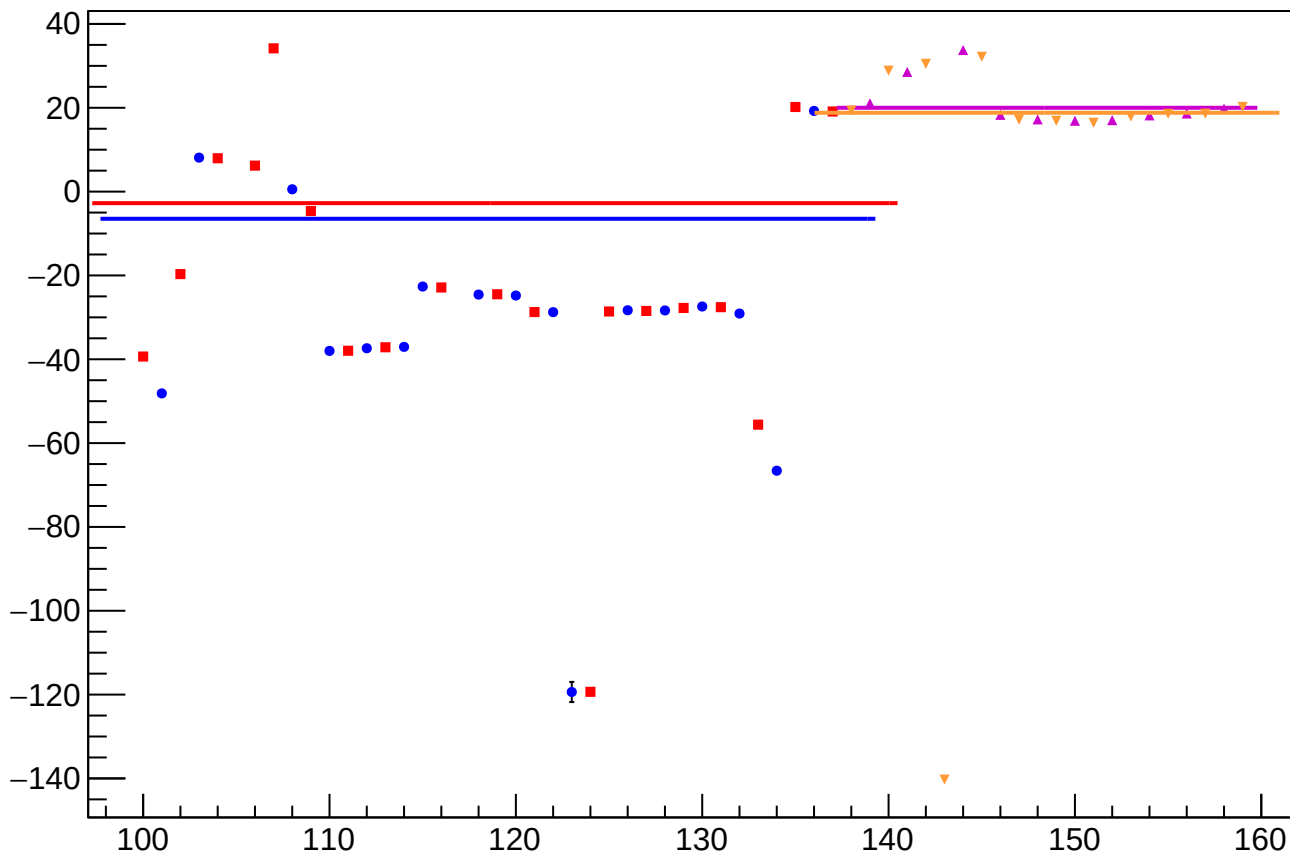
Right: 20.284 ± 0.622 χ^2/NDF : 2158.2/35

In: -0.872 ± 0.489 χ^2/NDF : 2101.1/26

Out: -1.620 ± 0.480 χ^2/NDF : 2164.0/30

All: -1.253 ± 0.343 χ^2/NDF : 4266.3/57

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.482 ± 0.046 χ^2/NDF : 265804.1/16

Left Out: 18.806 ± 0.027 χ^2/NDF : 348909.7/11

Right Out: -2.751 ± 0.046 χ^2/NDF : 266291.4/18

Left In: 19.998 ± 0.027 χ^2/NDF : 25860.1/9

Left: 19.401 ± 0.019 χ^2/NDF : 375733.7/21

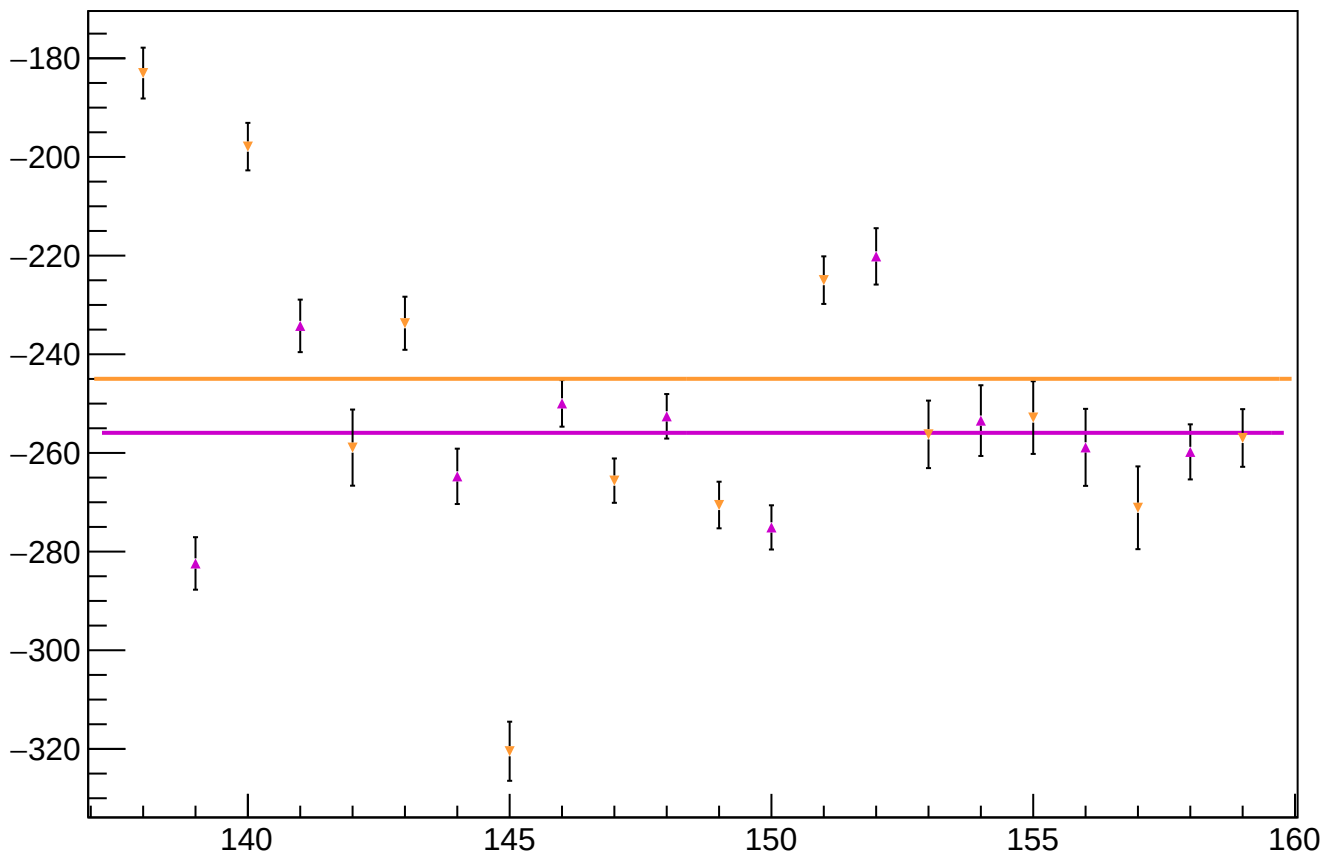
Right: -4.597 ± 0.032 χ^2/NDF : 535394.7/35

In: 13.191 ± 0.023 χ^2/NDF : 536125.9/26

Out: 13.185 ± 0.023 χ^2/NDF : 779846.9/30

All: 13.188 ± 0.017 χ^2/NDF : 1315972.8/57

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: -244.972+/-1.621 χ^2/NDF :492.1/11

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

Left In: -255.925+/-1.703 χ^2/NDF :104.2/9

Left: -250.179+/-1.174 χ^2/NDF : 618.0/21

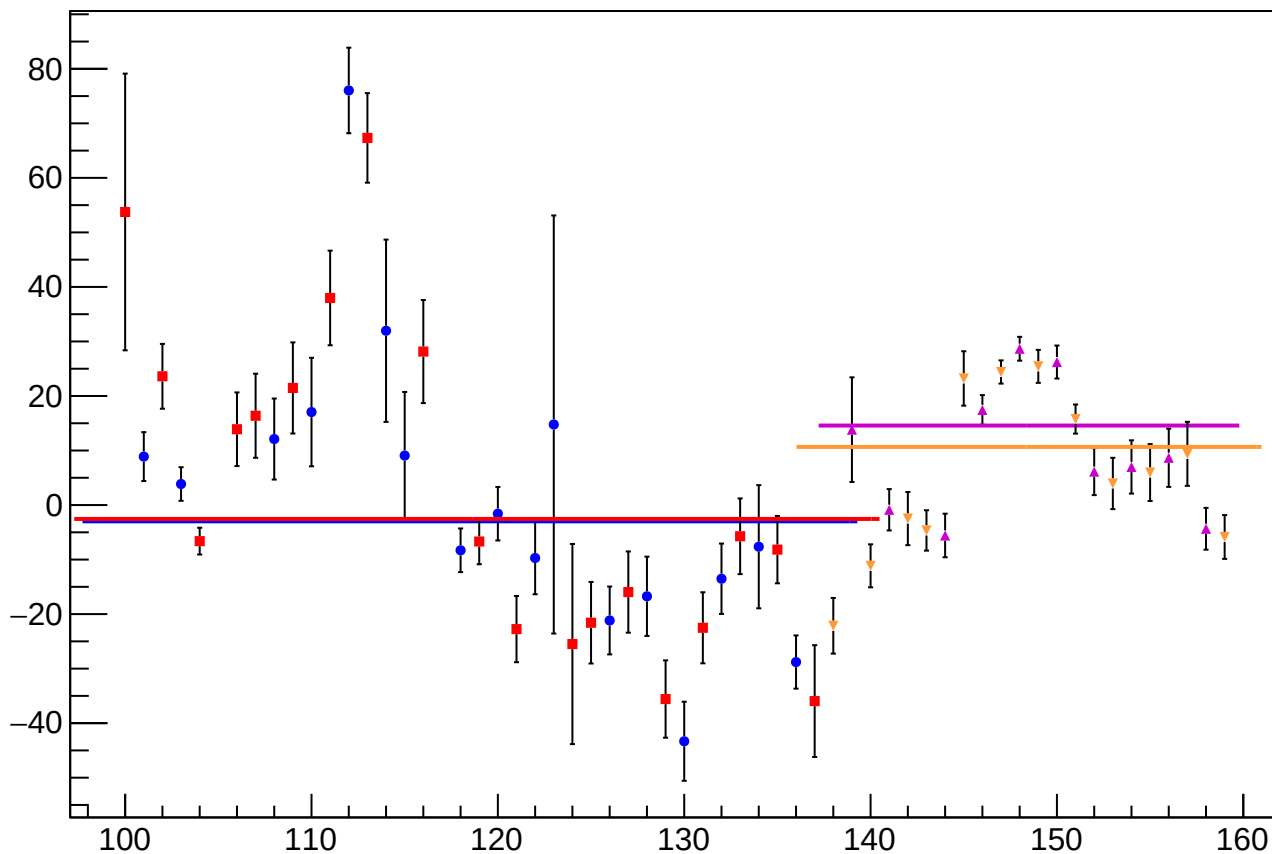
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -255.925+/-1.703 χ^2/NDF :104.2/9

Out: -244.972+/-1.621 χ^2/NDF :492.1/11

All: -250.179+/-1.174 χ^2/NDF : 618.0/21

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: 10.658 ± 1.053 χ^2/NDF : 191.6/11

Right Out: -2.548 ± 1.399 χ^2/NDF : 218.1/18

Left In: 14.575 ± 1.121 χ^2/NDF : 131.4/9

Left: 12.495 ± 0.768 χ^2/NDF : 329.4/21

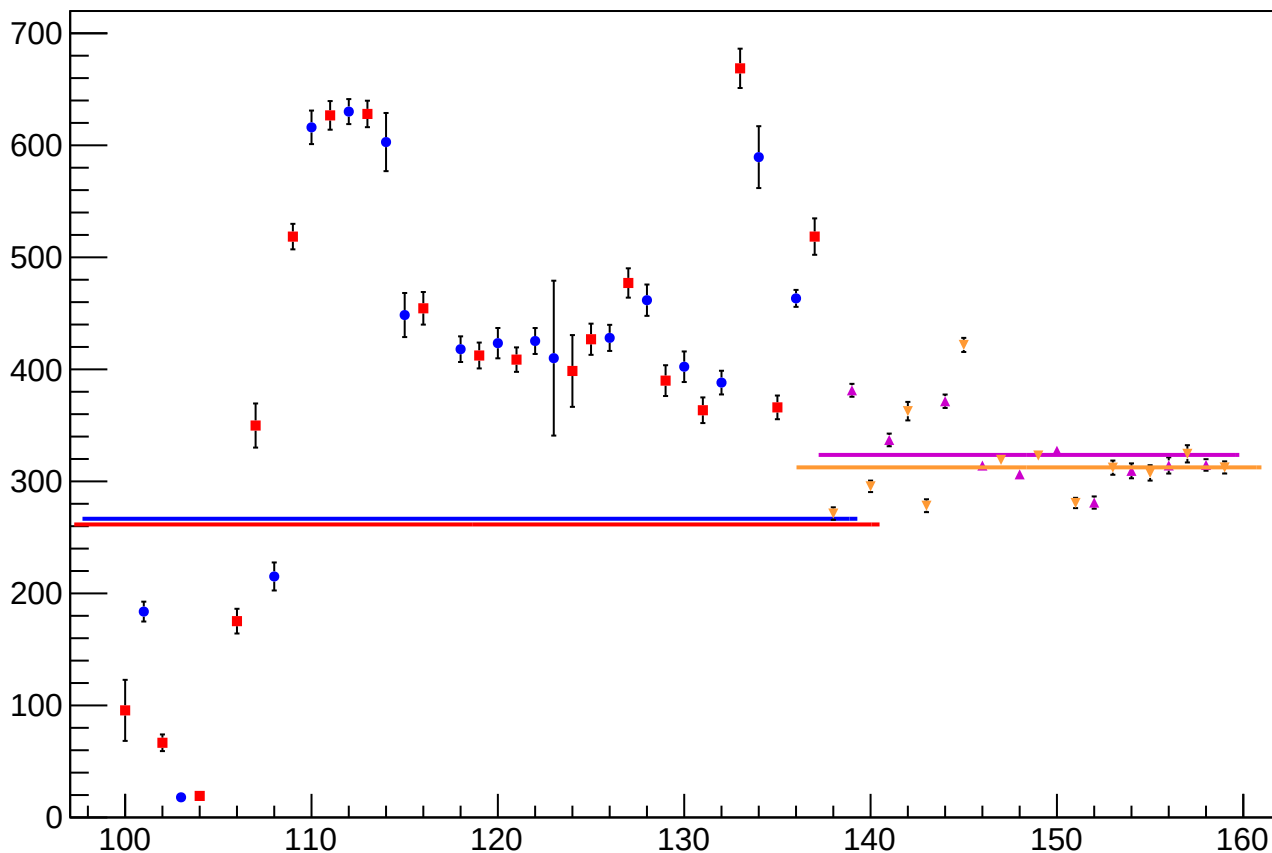
Right: -2.757 ± 1.007 χ^2/NDF : 422.1/35

In: 8.010 ± 0.887 χ^2/NDF : 427.0/26

Out: 5.878 ± 0.841 χ^2/NDF : 466.6/30

All: 6.888 ± 0.610 χ^2/NDF : 896.6/57

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: 312.510 $\pm$ 1.596 χ^2 /NDF:498.5/11

Right Out: 261.551 $\pm$ 2.458 χ^2 /NDF: 8208.2/18

Left In: 323.629 $\pm$ 1.658 χ^2 /NDF:261.2/9

Left: 317.860 $\pm$ 1.150 χ^2 /NDF: 783.0/21

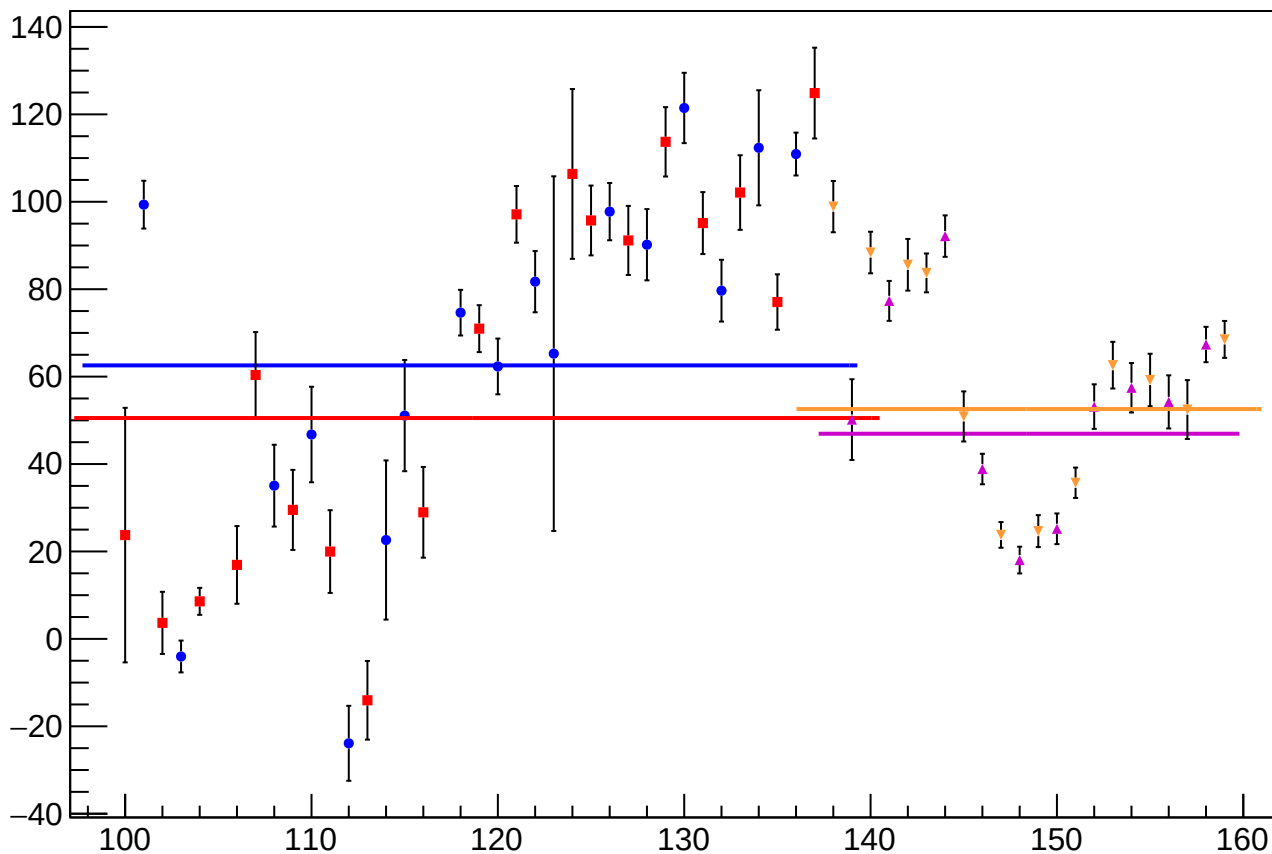
Right: 264.068 $\pm$ 1.745 χ^2 /NDF: 15873.0/35

In: 305.996 $\pm$ 1.378 χ^2 /NDF:8289.6/26

Out: 297.391 $\pm$ 1.339 χ^2 /NDF:9009.1/30

All: 301.570 $\pm$ 0.960 χ^2 /NDF: 17318.8/57

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.566 $\pm$ 1.678 χ^2 /NDF: 722.4/16

Left Out: 52.585 $\pm$ 1.294 χ^2 /NDF: 396.3/11

Right Out: 50.526 $\pm$ 1.643 χ^2 /NDF: 657.0/18

Left In: 46.934 $\pm$ 1.370 χ^2 /NDF: 300.2/9

Left: 49.922 $\pm$ 0.941 χ^2 /NDF: 705.5/21

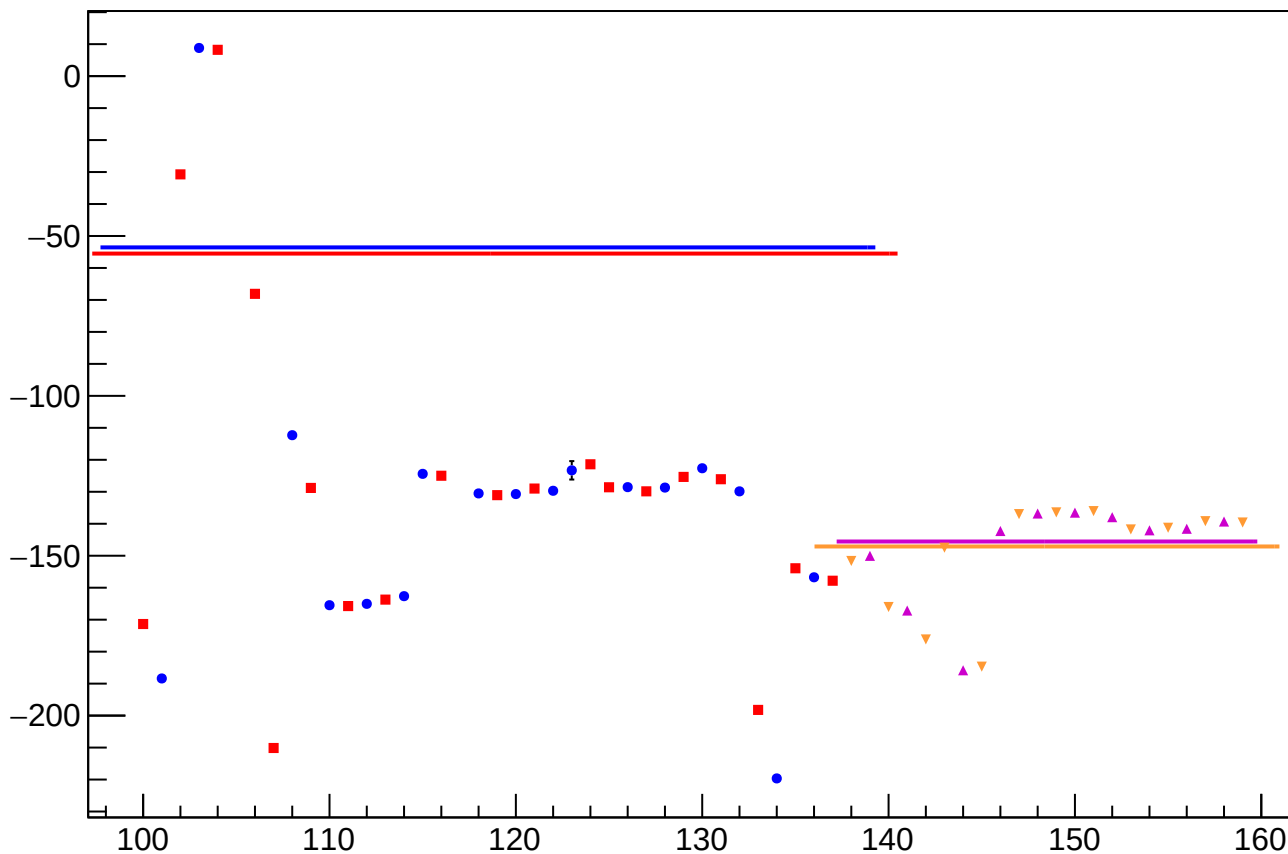
Right: 56.420 $\pm$ 1.174 χ^2 /NDF: 1405.7/35

In: 53.187 $\pm$ 1.061 χ^2 /NDF: 1074.7/26

Out: 51.798 $\pm$ 1.016 χ^2 /NDF: 1054.3/30

All: 52.462 $\pm$ 0.734 χ^2 /NDF: 2129.9/57

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: -147.107 ± 0.065 $\chi^2/\text{NDF}: 50444.0/11$

Right Out: -55.502 ± 0.072 $\chi^2/\text{NDF}: 969632.0/18$

Left In: -145.552 ± 0.066 $\chi^2/\text{NDF}: 40857.8/9$

Left: -146.349 ± 0.046 $\chi^2/\text{NDF}: 91585.0/21$

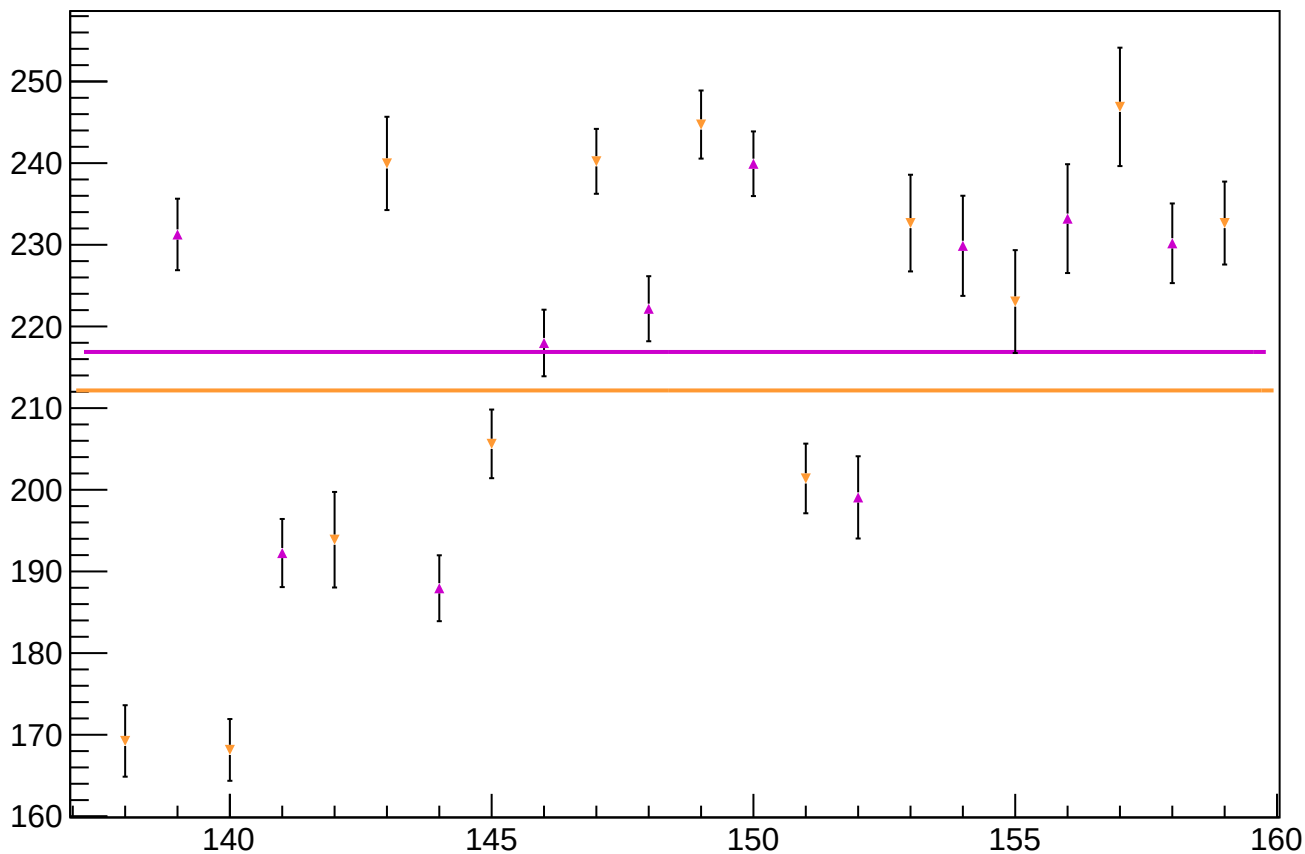
Right: -54.512 ± 0.050 $\chi^2/\text{NDF}: 2200235.7/35$

In: -102.350 ± 0.048 $\chi^2/\text{NDF}: 2179754.1/26$

Out: -106.254 ± 0.048 $\chi^2/\text{NDF}: 1919237.5/30$

All: -104.308 ± 0.034 $\chi^2/\text{NDF}: 4102287.0/57$

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: 212.164+/-1.379 χ^2/NDF :438.9/11

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

Left In: 216.876+/-1.431 χ^2/NDF :163.3/9

Left: 214.434+/-0.993 χ^2/NDF : 607.8/21

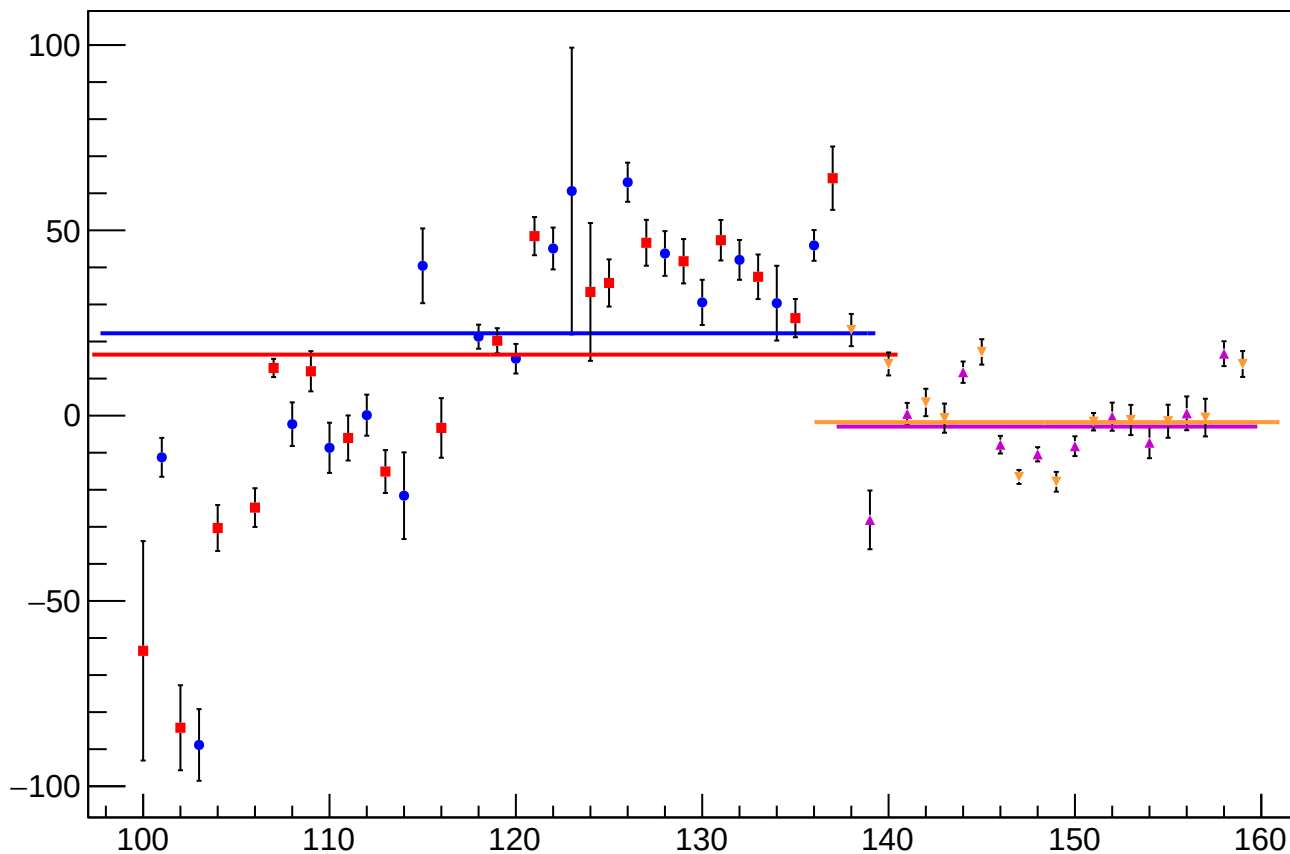
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 216.876+/-1.431 χ^2/NDF :163.3/9

Out: 212.164+/-1.379 χ^2/NDF :438.9/11

All: 214.434+/-0.993 χ^2/NDF : 607.8/21

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.221+/-1.374 χ^2/NDF : 385.6/16

Left Out: -1.754+/-0.908 χ^2/NDF : 209.2/11

Right Out: 16.466+/-1.230 χ^2/NDF : 425.9/18

Left In: -2.950+/-0.954 χ^2/NDF : 97.2/9

Left: -2.322+/-0.658 χ^2/NDF : 307.2/21

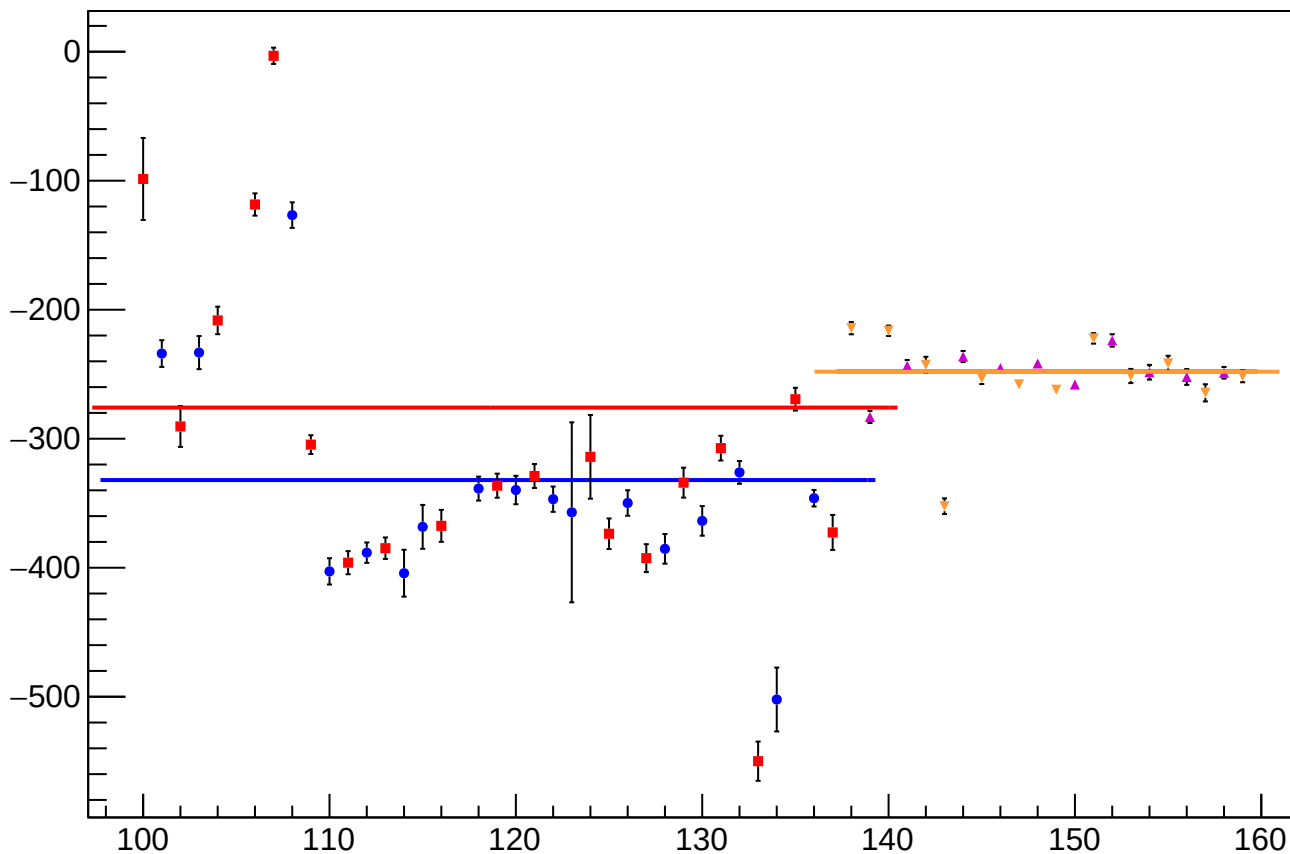
Right: 19.025+/-0.916 χ^2/NDF : 821.2/35

In: 5.241+/-0.784 χ^2/NDF : 709.2/26

Out: 4.674+/-0.730 χ^2/NDF : 777.2/30

All: 4.937+/-0.534 χ^2/NDF : 1486.7/57

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -332.037 ± 2.562 $\chi^2/\text{NDF}: 784.9/16$

Left Out: -248.041 ± 1.364 $\chi^2/\text{NDF}: 475.7/11$

Right Out: -275.853 ± 2.324 $\chi^2/\text{NDF}: 3362.8/18$

Left In: -247.852 ± 1.402 $\chi^2/\text{NDF}: 99.6/9$

Left: -247.949 ± 0.978 $\chi^2/\text{NDF}: 575.3/21$

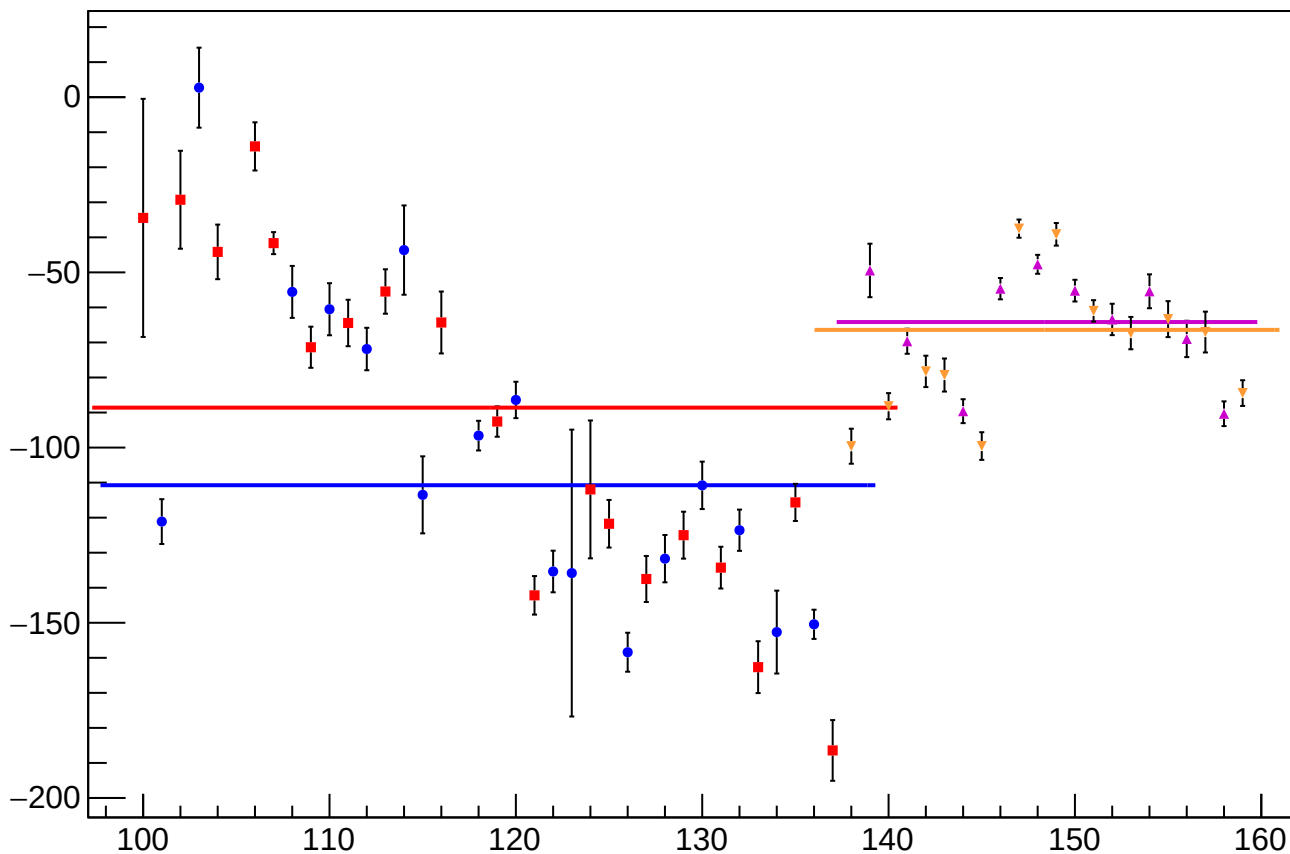
Right: -301.220 ± 1.721 $\chi^2/\text{NDF}: 4411.6/35$

In: -267.248 ± 1.230 $\chi^2/\text{NDF}: 1715.6/26$

Out: -255.165 ± 1.176 $\chi^2/\text{NDF}: 3945.0/30$

All: -260.939 ± 0.850 $\chi^2/\text{NDF}: 5711.0/57$

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: -66.409+/-1.111 χ^2 /NDF:386.0/11

Right Out: -88.600+/-1.435 χ^2 /NDF: 969.7/18

Left In: -64.170+/-1.162 χ^2 /NDF:175.9/9

Left: -65.340+/-0.803 χ^2 /NDF: 563.8/21

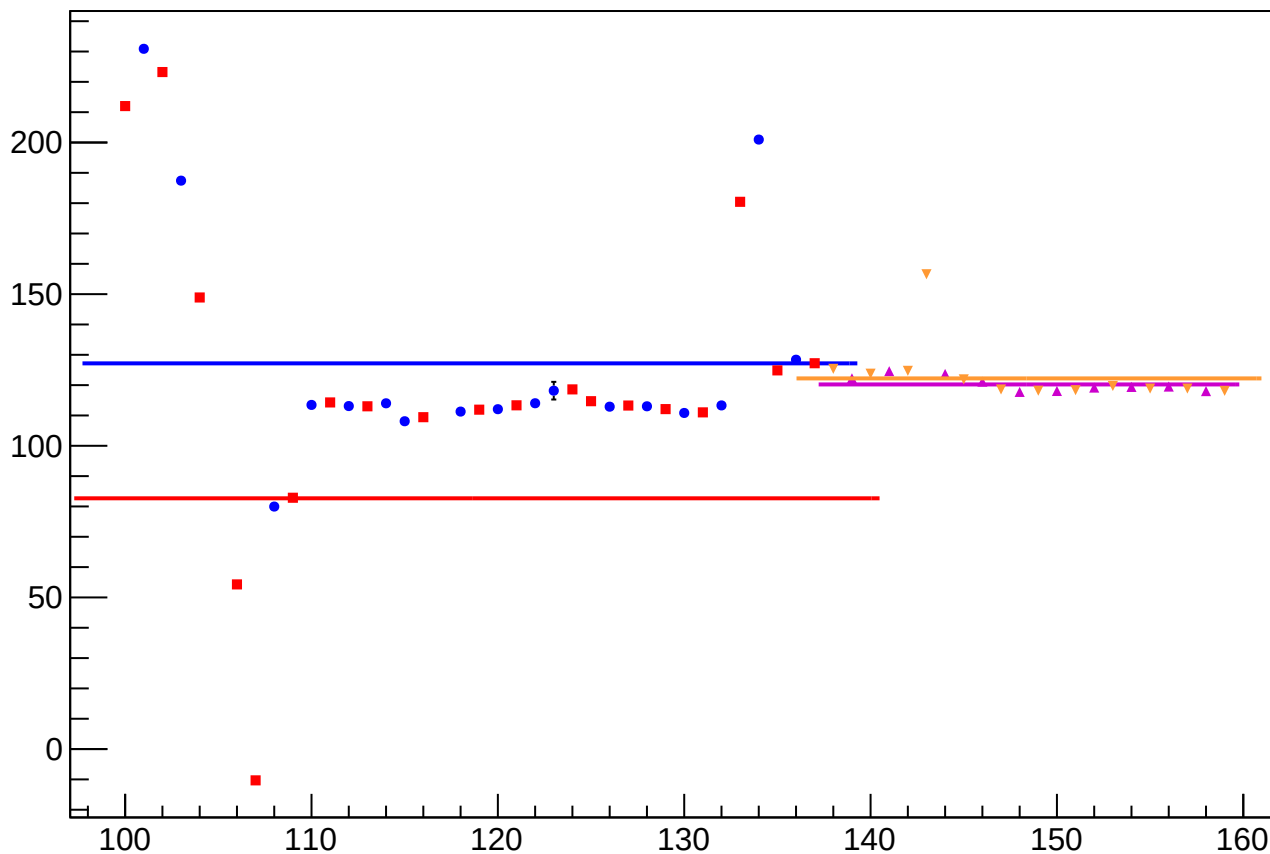
Right: -98.623+/-1.061 χ^2 /NDF: 1591.0/35

In: -80.560+/-0.936 χ^2 /NDF:1254.2/26

Out: -74.731+/-0.879 χ^2 /NDF:1505.3/30

All: -77.462+/-0.641 χ^2 /NDF: 2780.1/57

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: 122.220 $\pm$ 0.055 χ^2 /NDF: 22876.9/11

Right Out: 82.684 $\pm$ 0.075 χ^2 /NDF: 765716.0/18

Left In: 120.231 $\pm$ 0.056 χ^2 /NDF: 1769.0/9

Left: 121.242 $\pm$ 0.039 χ^2 /NDF: 25288.1/21

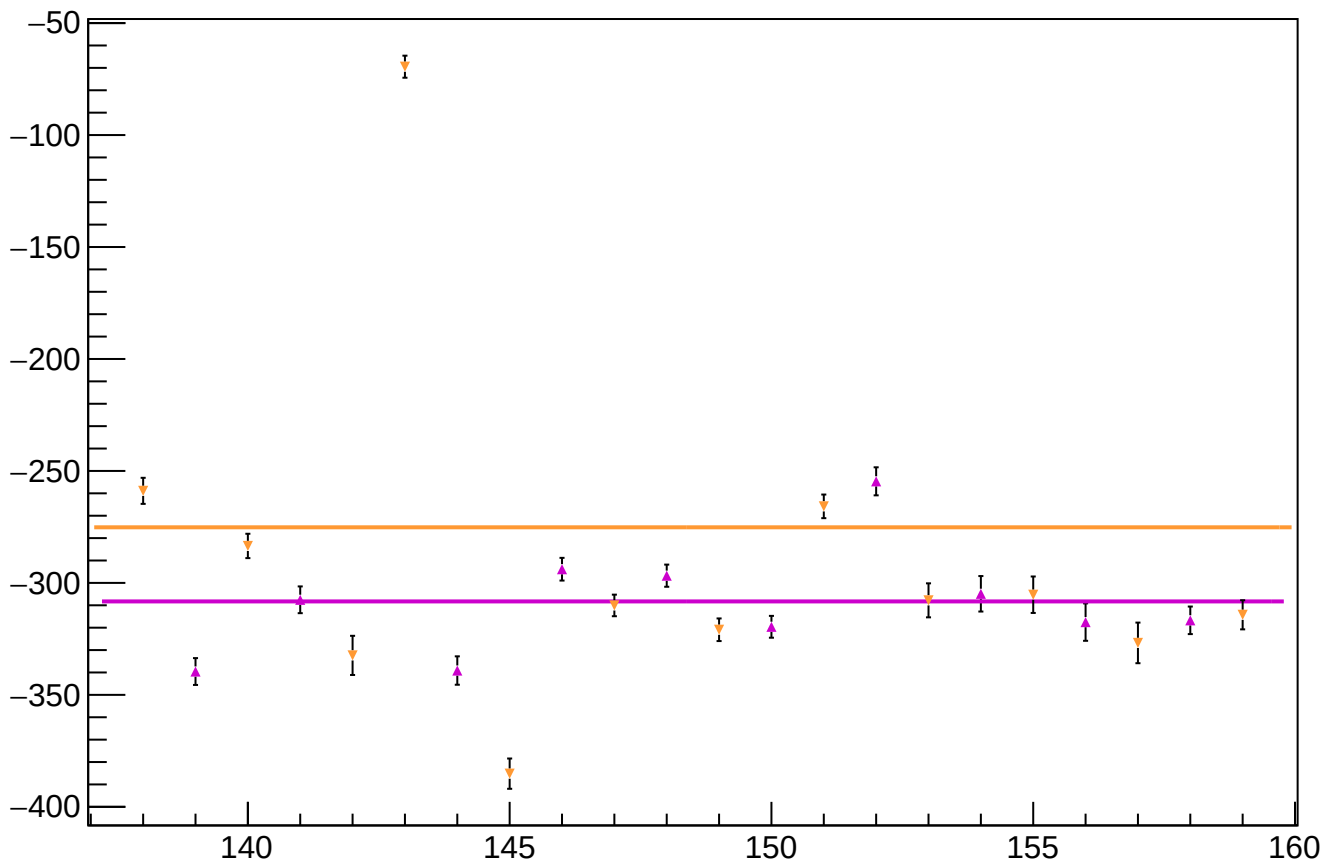
Right: 101.242 $\pm$ 0.057 χ^2 /NDF: 1099401.9/35

In: 122.199 $\pm$ 0.047 χ^2 /NDF: 194186.5/26

Out: 108.453 $\pm$ 0.044 χ^2 /NDF: 968273.3/30

All: 114.886 $\pm$ 0.032 χ^2 /NDF: 1207246.5/57

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: -275.175+/-1.751 χ^2/NDF :2301.2/11

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

Left In: -308.271+/-1.874 χ^2/NDF :146.5/9

Left: -290.604+/-1.280 χ^2/NDF : 2614.1/21

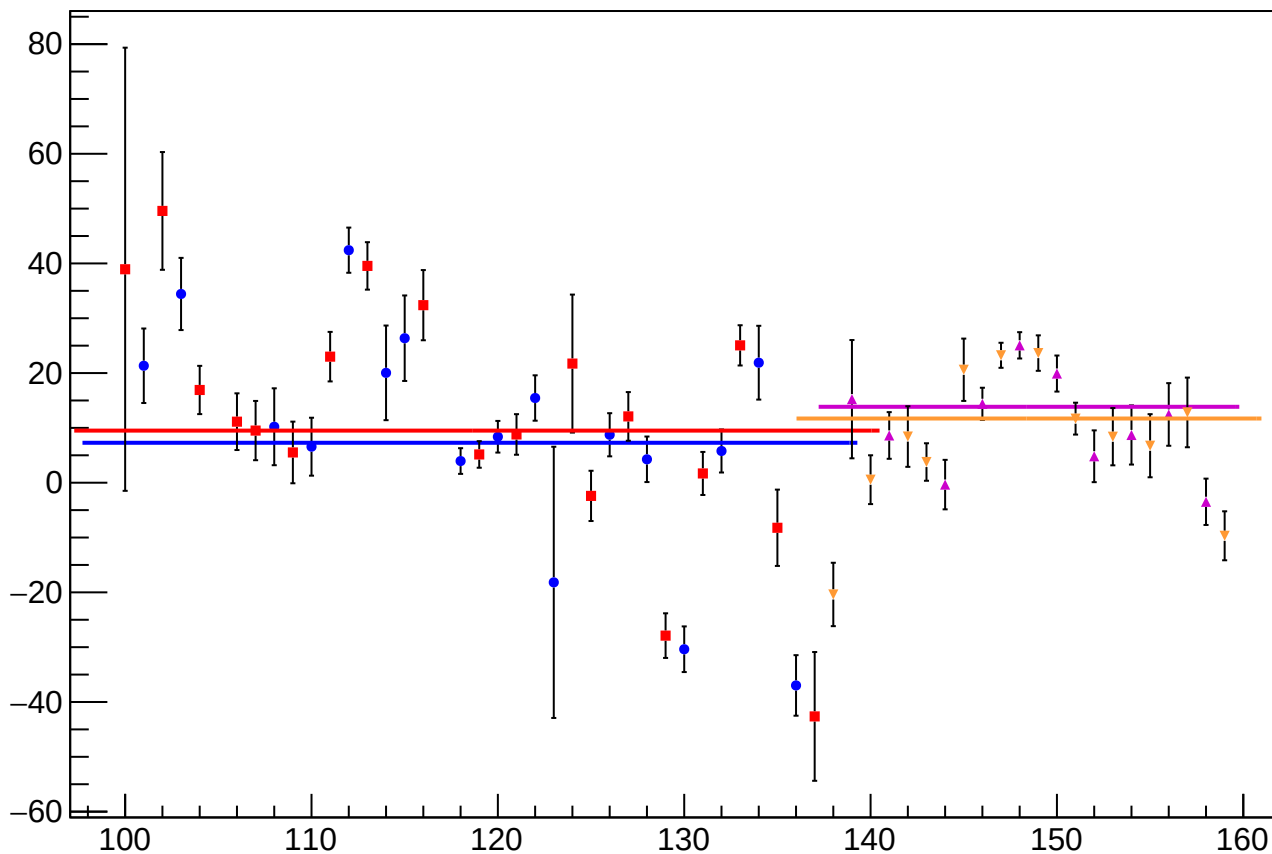
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -308.271+/-1.874 χ^2/NDF :146.5/9

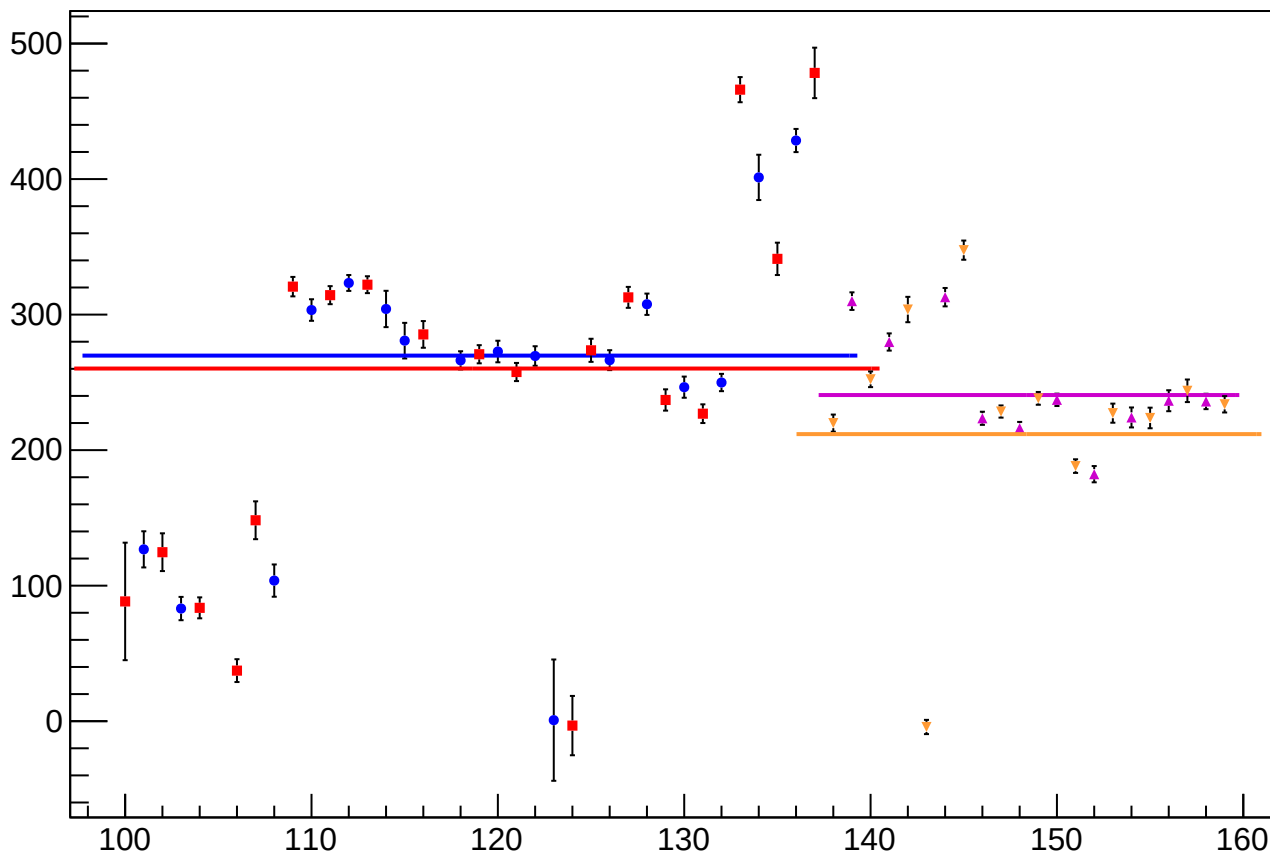
Out: -275.175+/-1.751 χ^2/NDF :2301.2/11

All: -290.604+/-1.280 χ^2/NDF : 2614.1/21

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.748 ± 2.071 χ^2/NDF : 1374.1/16

Left Out: 211.820 ± 1.726 χ^2/NDF : 2307.1/11

Right Out: 260.206 ± 1.978 χ^2/NDF : 2541.6/18

Left In: 240.652 ± 1.821 χ^2/NDF : 407.1/9

Left: 225.460 ± 1.253 χ^2/NDF : 2846.2/21

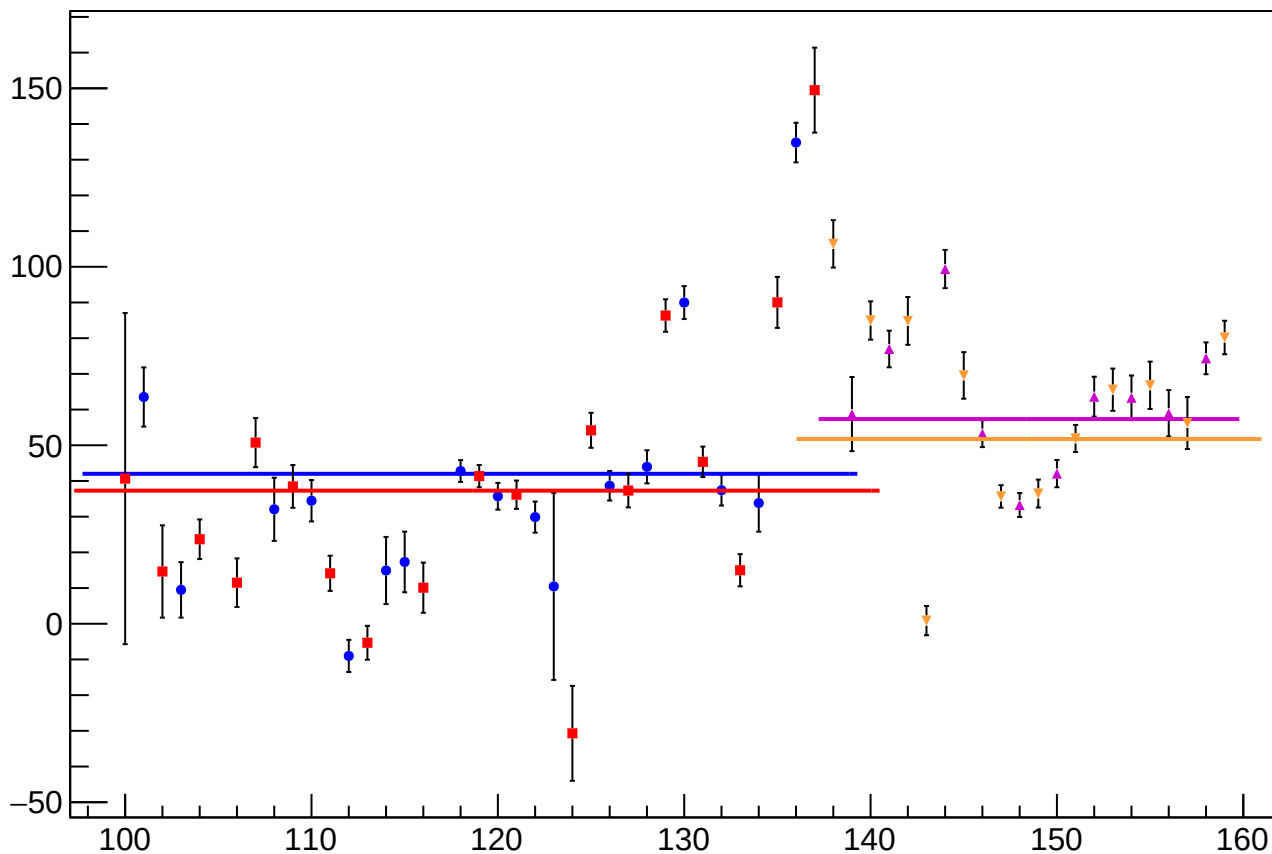
Right: 264.757 ± 1.430 χ^2/NDF : 3926.7/35

In: 253.340 ± 1.368 χ^2/NDF : 1892.4/26

Out: 232.738 ± 1.300 χ^2/NDF : 5188.4/30

All: 242.519 ± 0.942 χ^2/NDF : 7200.0/57

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006 ± 1.255 $\chi^2/\text{NDF}: 575.6/16$

Left Out: 51.760 ± 1.394 $\chi^2/\text{NDF}: 381.5/11$

Right Out: 37.284 ± 1.237 $\chi^2/\text{NDF}: 472.6/18$

Left In: 57.342 ± 1.504 $\chi^2/\text{NDF}: 161.7/9$

Left: 54.340 ± 1.023 $\chi^2/\text{NDF}: 550.6/21$

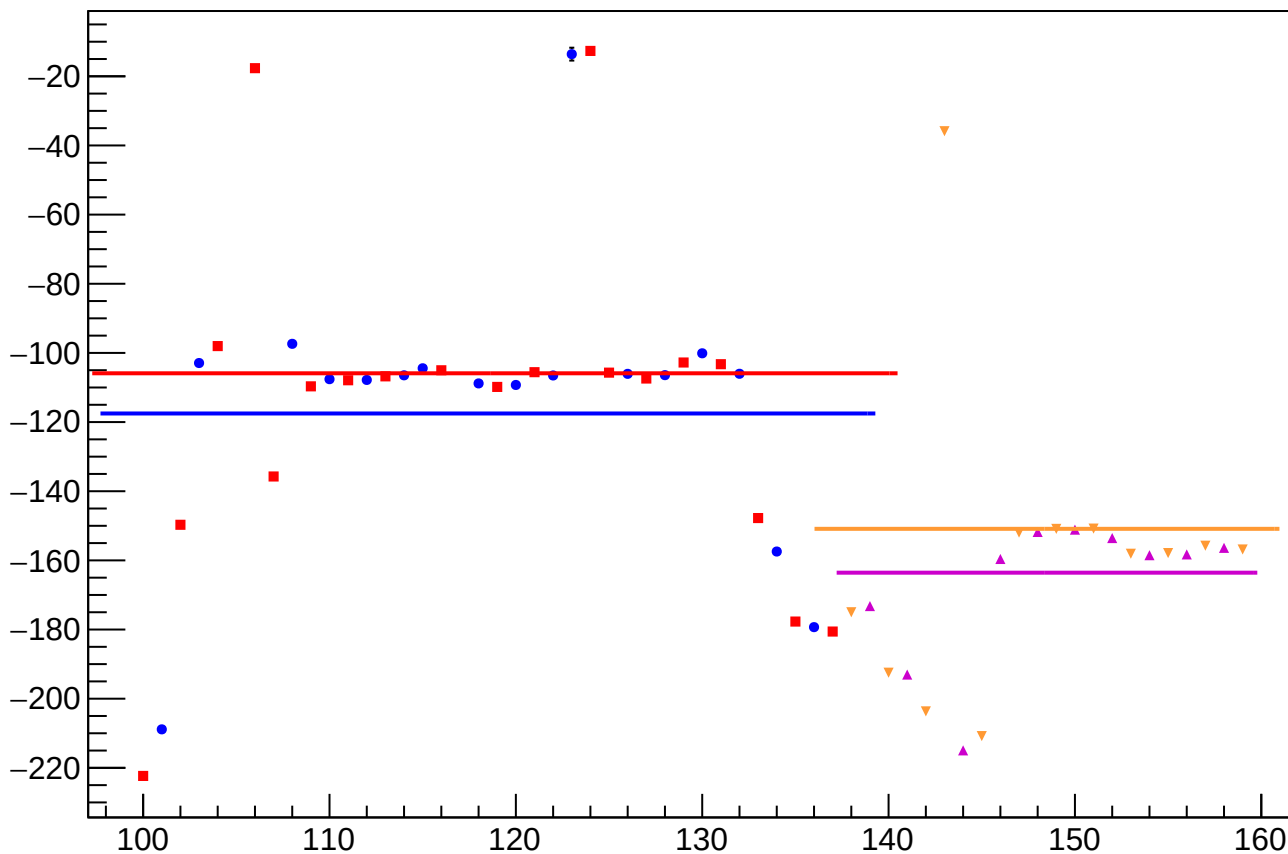
Right: 39.611 ± 0.881 $\chi^2/\text{NDF}: 1055.4/35$

In: 48.302 ± 0.964 $\chi^2/\text{NDF}: 798.6/26$

Out: 43.659 ± 0.925 $\chi^2/\text{NDF}: 914.4/30$

All: 45.887 ± 0.668 $\chi^2/\text{NDF}: 1725.0/57$

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: -150.875+/-0.070 χ^2/NDF : 403223.4/11

Right Out: -105.892+/-0.073 χ^2/NDF : 324304.4/18

Left In: -163.557+/-0.073 χ^2/NDF : 56589.5/9

Left: -156.959+/-0.050 χ^2/NDF : 475642.4/21

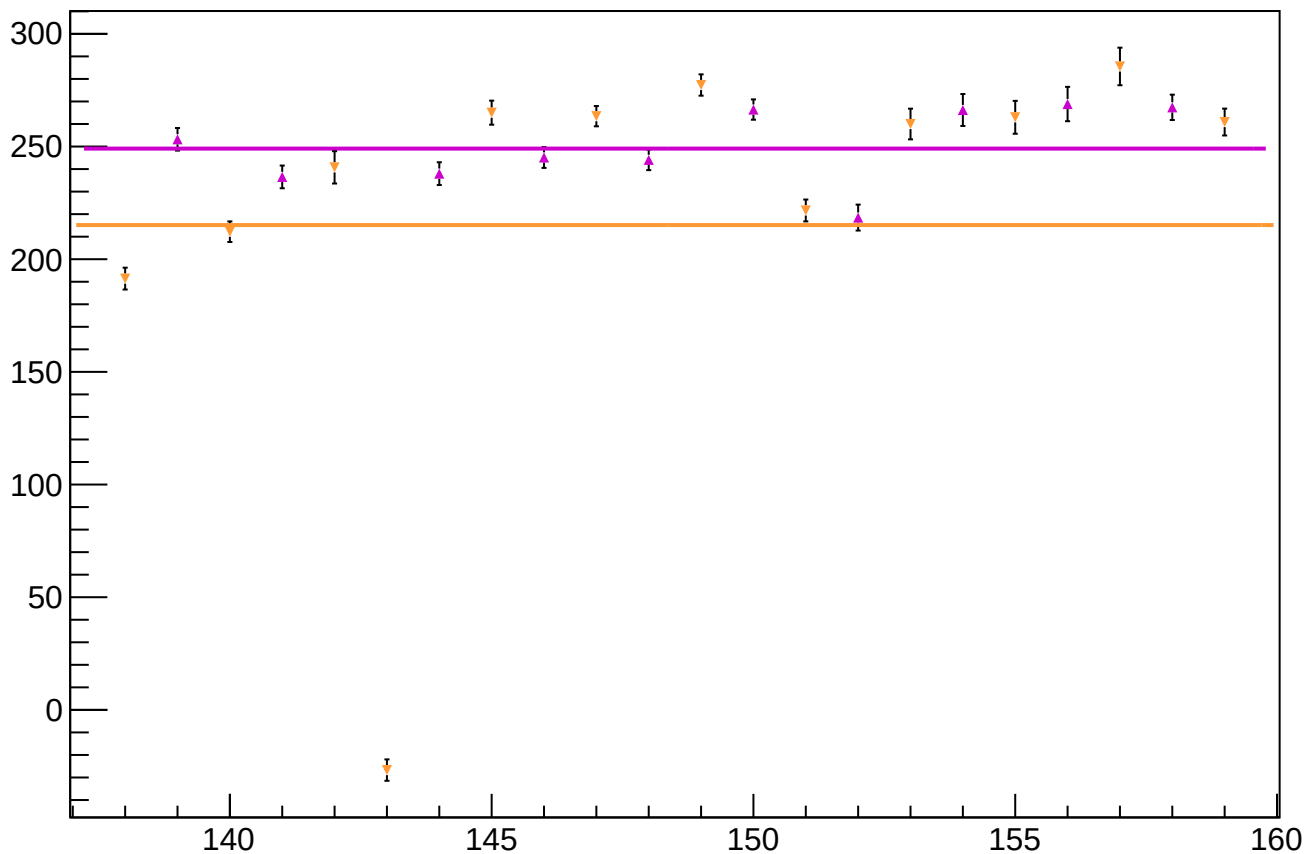
Right: -111.303+/-0.053 χ^2/NDF : 478188.8/35

In: -142.152+/-0.053 χ^2/NDF : 385029.5/26

Out: -129.323+/-0.050 χ^2/NDF : 926403.1/30

All: -135.391+/-0.037 χ^2/NDF : 1342089.5/57

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: 215.155+/-1.564 χ^2/NDF :3218.5/11

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

Left In: 249.084+/-1.663 χ^2/NDF :79.9/9

Left: 231.076+/-1.140 χ^2/NDF : 3519.2/21

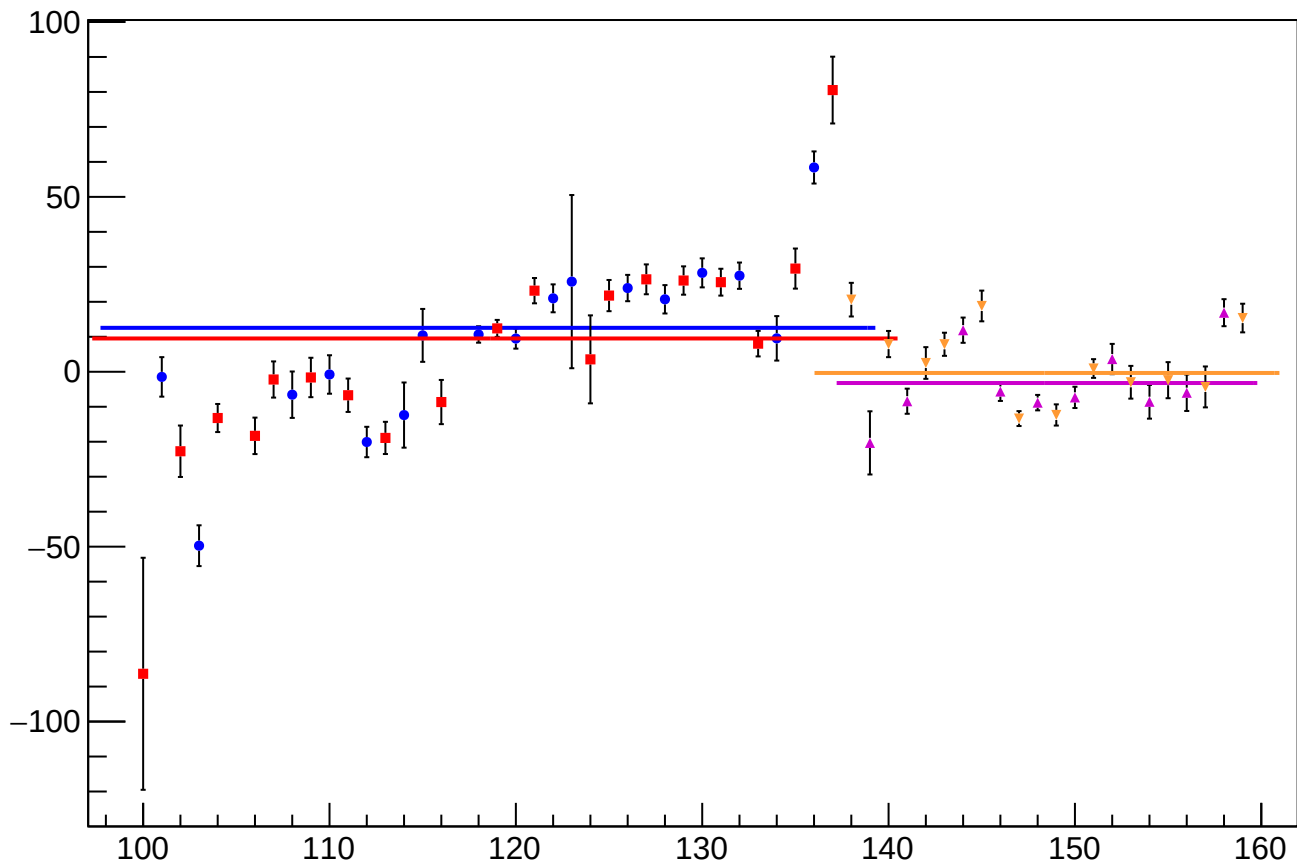
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 249.084+/-1.663 χ^2/NDF :79.9/9

Out: 215.155+/-1.564 χ^2/NDF :3218.5/11

All: 231.076+/-1.140 χ^2/NDF : 3519.2/21

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: -0.339+/-1.028 χ^2/NDF : 118.4/11

Right Out: 9.519+/-1.051 χ^2/NDF : 296.2/18

Left In: -3.215+/-1.106 χ^2/NDF : 63.4/9

Left: -1.671+/-0.753 χ^2/NDF : 185.5/21

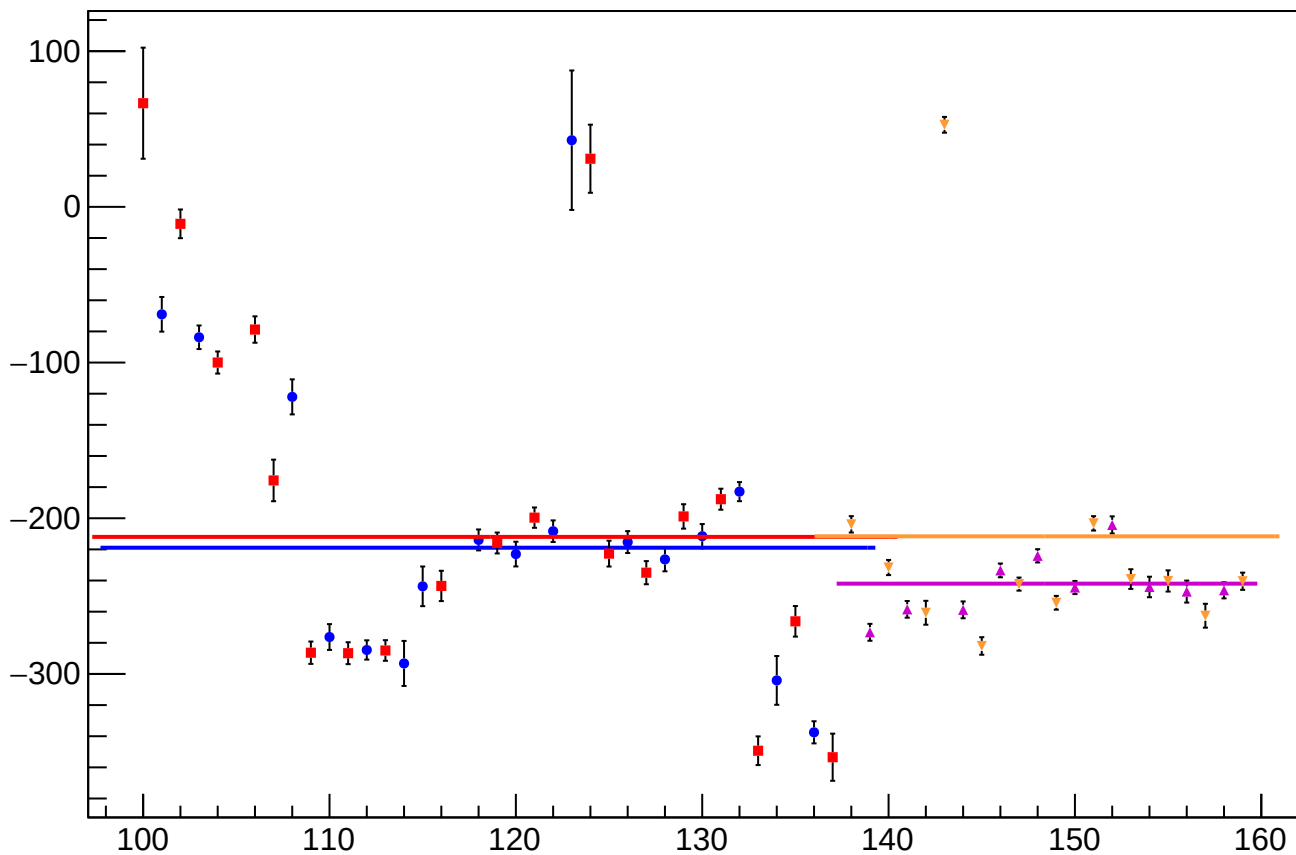
Right: 11.033+/-0.745 χ^2/NDF : 648.2/35

In: 5.044+/-0.764 χ^2/NDF : 517.6/26

Out: 4.481+/-0.735 χ^2/NDF : 459.7/30

All: 4.751+/-0.529 χ^2/NDF : 977.5/57

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: -211.618 ± 1.549 $\chi^2/\text{NDF}: 3186.0/11$

Right Out: -211.968 ± 1.924 $\chi^2/\text{NDF}: 1886.2/18$

Left In: -242.010 ± 1.626 $\chi^2/\text{NDF}: 122.1/9$

Left: -226.081 ± 1.122 $\chi^2/\text{NDF}: 3491.3/21$

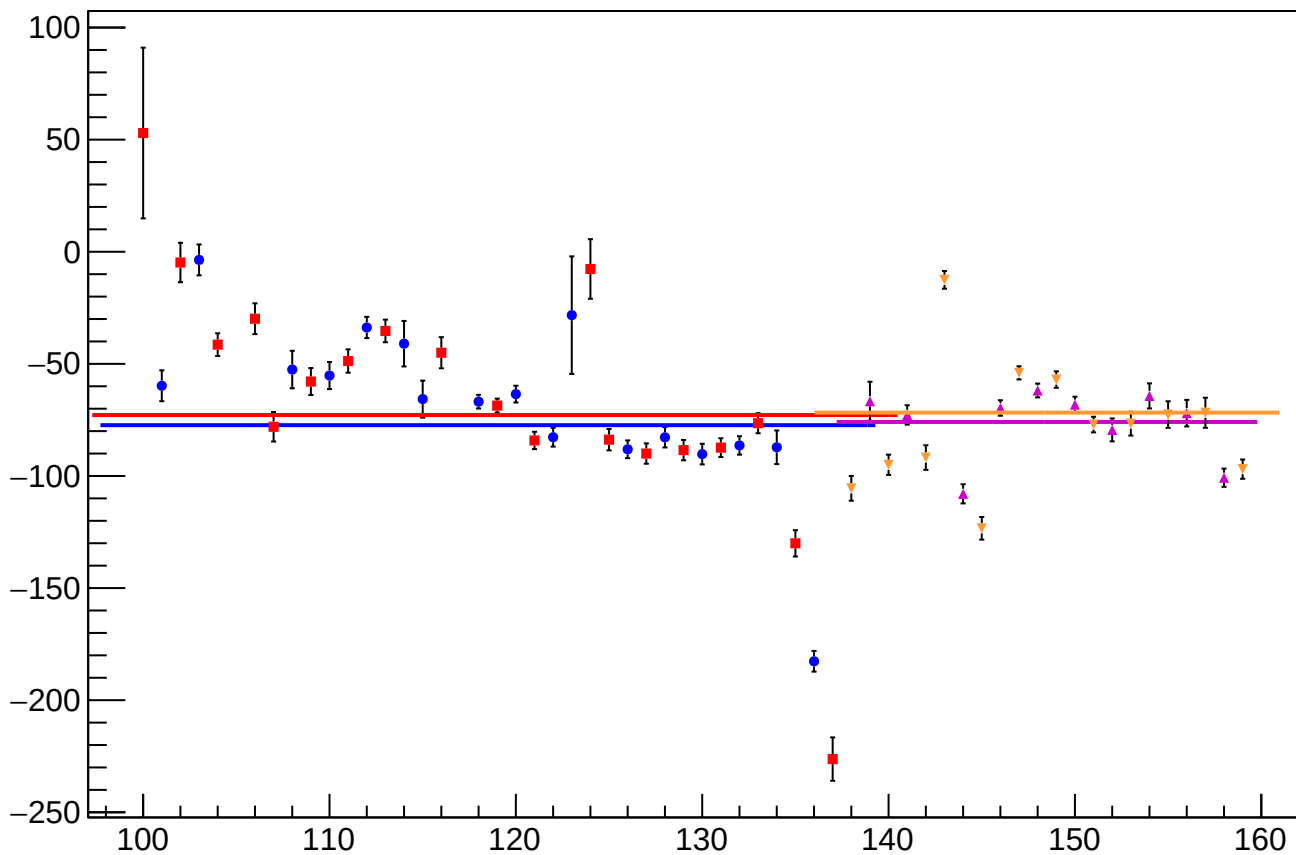
Right: -215.302 ± 1.389 $\chi^2/\text{NDF}: 3039.1/35$

In: -232.858 ± 1.263 $\chi^2/\text{NDF}: 1348.6/26$

Out: -211.756 ± 1.207 $\chi^2/\text{NDF}: 5072.2/30$

All: -221.826 ± 0.873 $\chi^2/\text{NDF}: 6566.8/57$

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: -71.738 ± 1.259 χ^2/NDF : 496.3/11

Right Out: -72.836 ± 1.209 χ^2/NDF : 672.9/18

Left In: -75.910 ± 1.349 χ^2/NDF : 129.1/9

Left: -73.680 ± 0.921 χ^2/NDF : 630.5/21

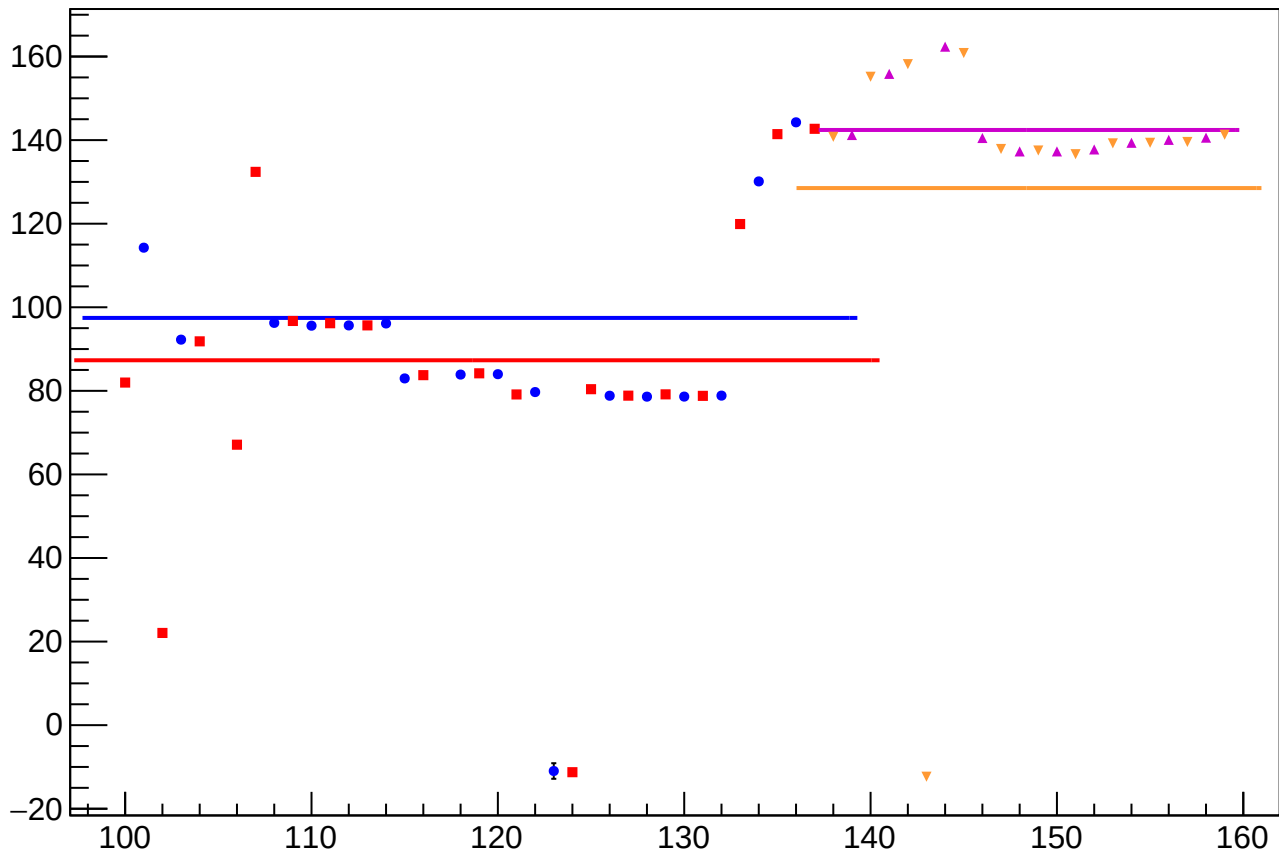
Right: -75.069 ± 0.858 χ^2/NDF : 1497.0/35

In: -76.698 ± 0.905 χ^2/NDF : 946.9/26

Out: -72.310 ± 0.872 χ^2/NDF : 1169.6/30

All: -74.423 ± 0.628 χ^2/NDF : 2128.7/57

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.452 $\pm$ 0.073 χ^2 /NDF: 94476.4/16

Left Out: 128.524 $\pm$ 0.063 χ^2 /NDF: 547016.2/11

Right Out: 87.315 $\pm$ 0.068 χ^2 /NDF: 221837.7/18

Left In: 142.427 $\pm$ 0.065 χ^2 /NDF: 13501.8/9

Left: 135.227 $\pm$ 0.045 χ^2 /NDF: 584335.5/21

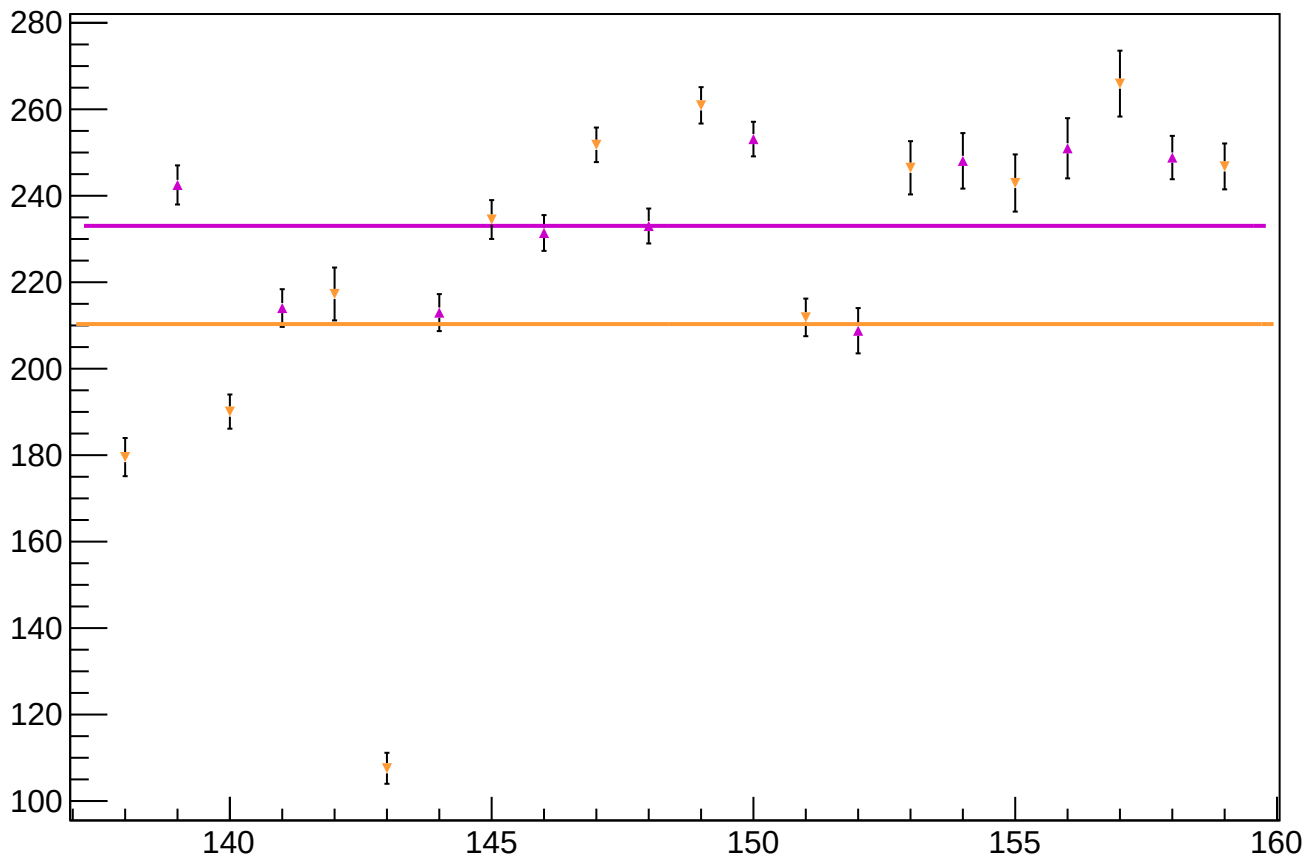
Right: 92.024 $\pm$ 0.050 χ^2 /NDF: 326563.7/35

In: 122.677 $\pm$ 0.049 χ^2 /NDF: 319336.4/26

Out: 109.707 $\pm$ 0.046 χ^2 /NDF: 967004.4/30

All: 115.858 $\pm$ 0.033 χ^2 /NDF: 1323863.8/57

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 210.319+/-1.357 χ^2/NDF :1338.0/11

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

Left In: 233.038+/-1.475 χ^2/NDF :114.2/9

Left: 220.730+/-0.999 χ^2/NDF : 1580.7/21

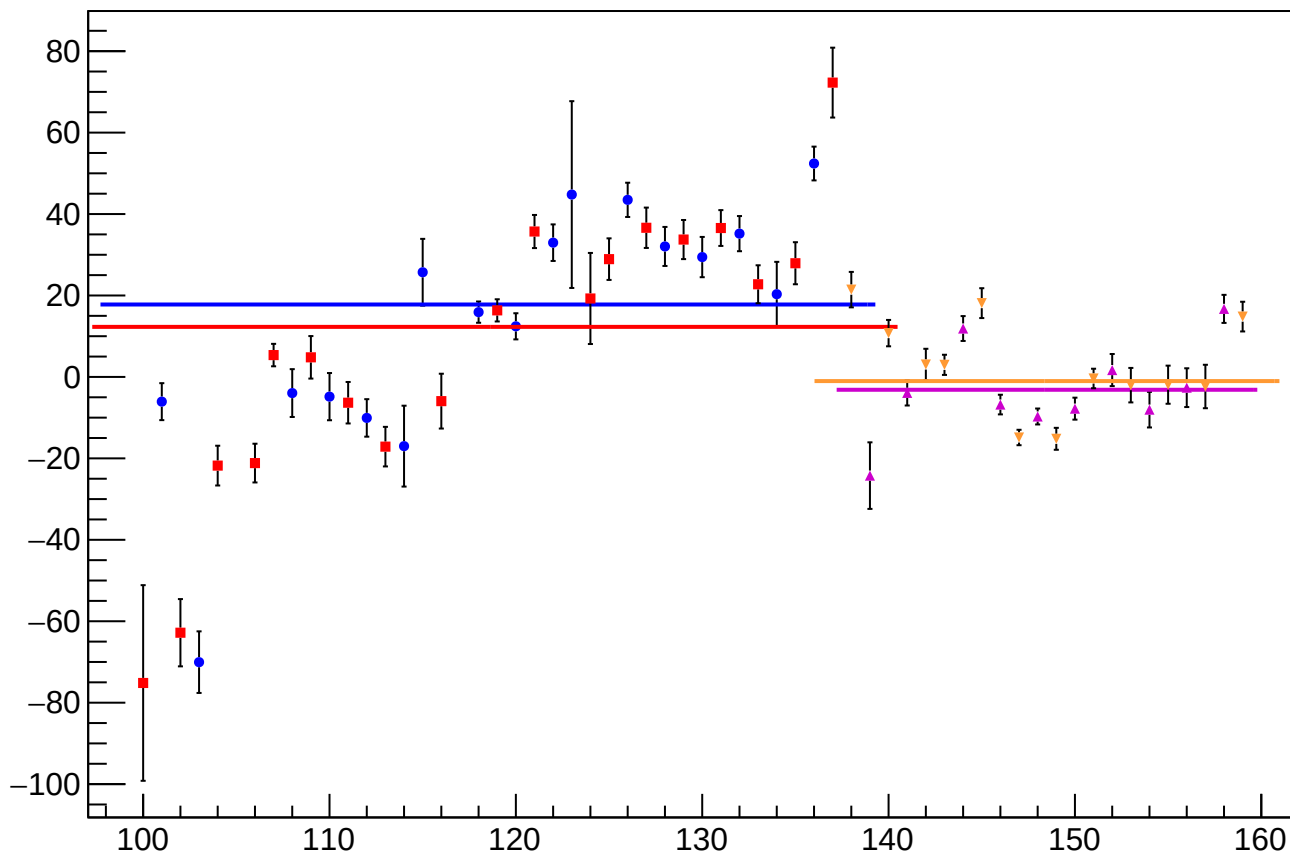
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 233.038+/-1.475 χ^2/NDF :114.2/9

Out: 210.319+/-1.357 χ^2/NDF :1338.0/11

All: 220.730+/-0.999 χ^2/NDF : 1580.7/21

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.786 $\pm$ 1.146 χ^2 /NDF: 395.1/16

Left Out: -1.021 $\pm$ 0.893 χ^2 /NDF:171.1/11

Right Out: 12.294 $\pm$ 1.086 χ^2 /NDF: 443.7/18

Left In: -3.154 $\pm$ 0.980 χ^2 /NDF:83.5/9

Left: -1.988 $\pm$ 0.660 χ^2 /NDF: 257.1/21

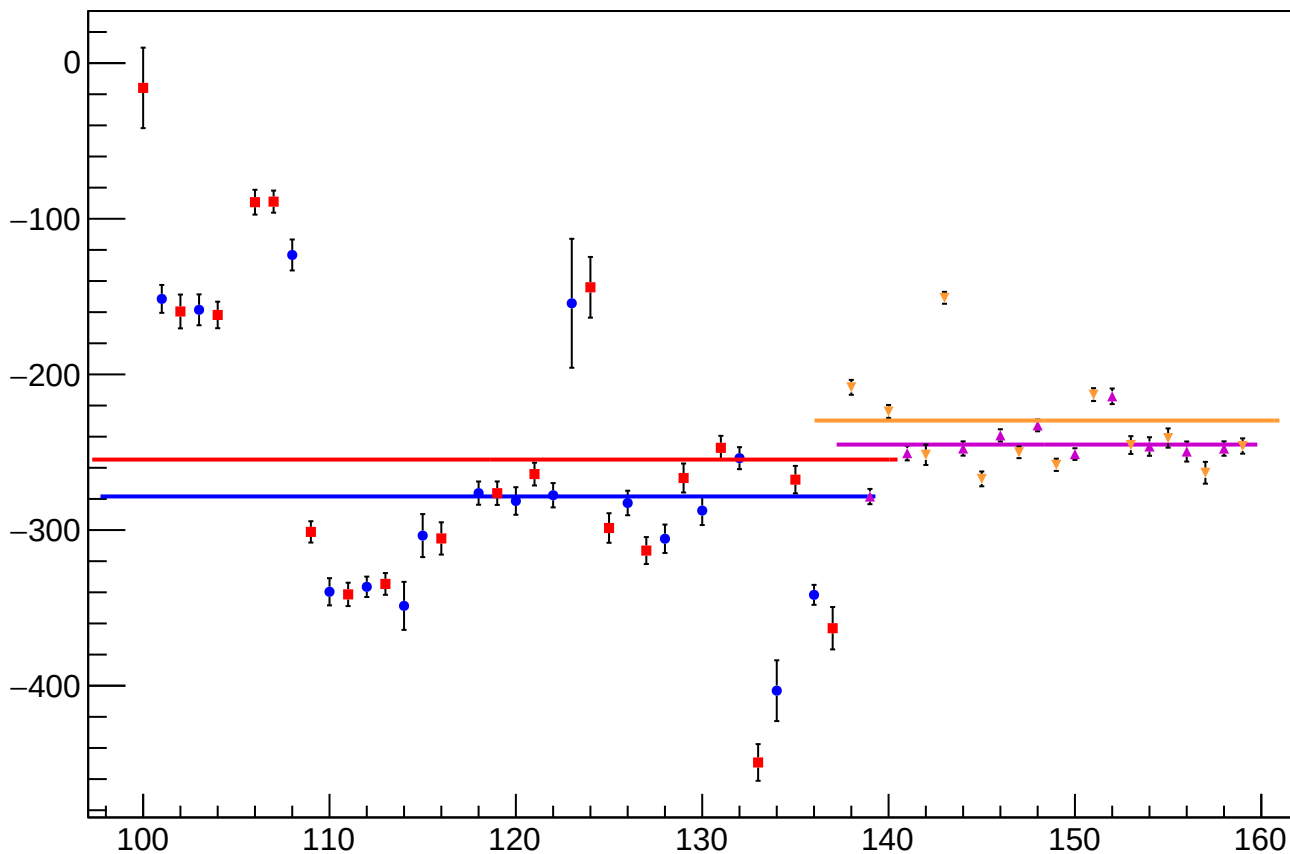
Right: 14.891 $\pm$ 0.788 χ^2 /NDF: 850.9/35

In: 5.688 $\pm$ 0.745 χ^2 /NDF:671.4/26

Out: 4.348 $\pm$ 0.690 χ^2 /NDF:704.5/30

All: 4.966 $\pm$ 0.506 χ^2 /NDF: 1377.6/57

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: -229.626 ± 1.350 $\chi^2/\text{NDF}: 663.0/11$

Right Out: -254.703 ± 2.020 $\chi^2/\text{NDF}: 2038.5/18$

Left In: -245.072 ± 1.444 $\chi^2/\text{NDF}: 102.7/9$

Left: -236.828 ± 0.986 $\chi^2/\text{NDF}: 826.8/21$

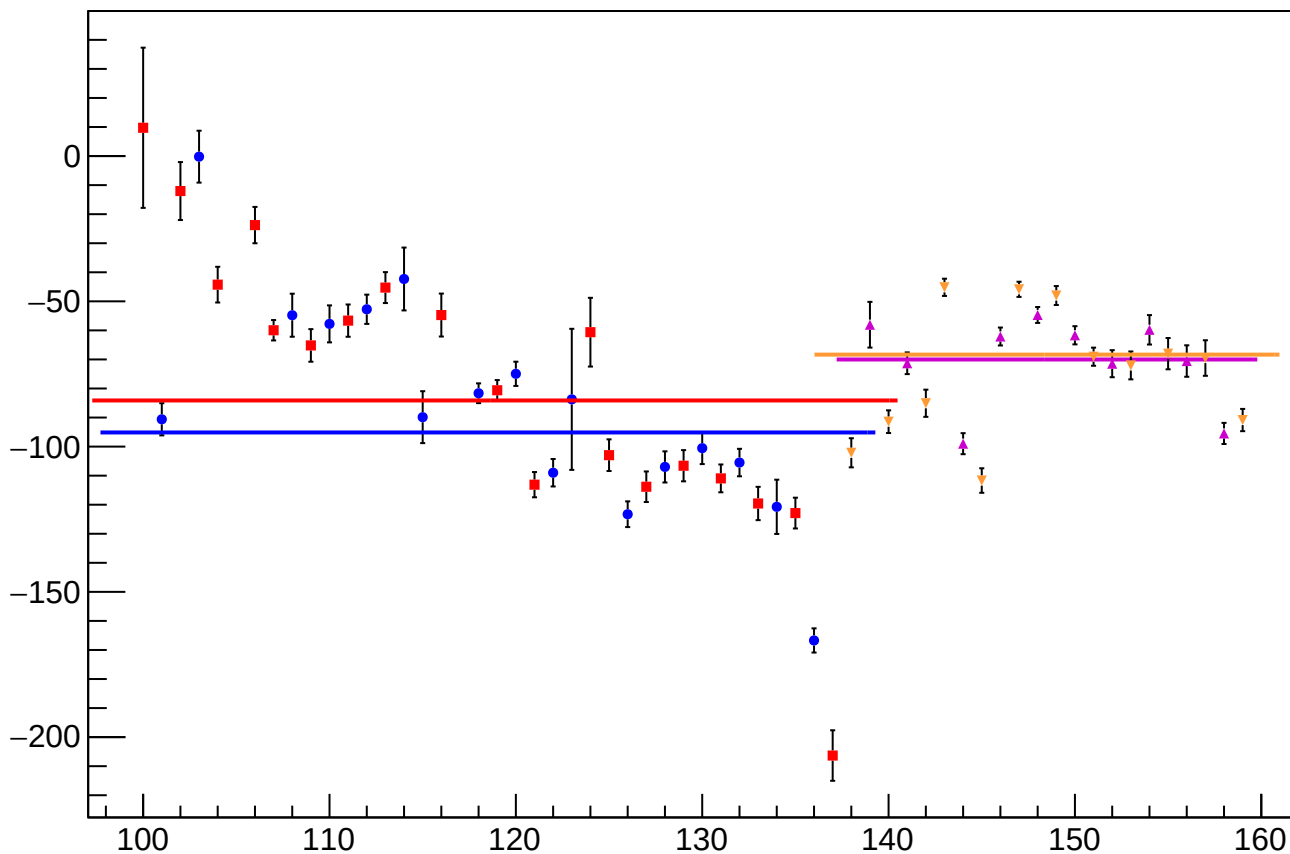
Right: -265.715 ± 1.478 $\chi^2/\text{NDF}: 3013.0/35$

In: -255.314 ± 1.202 $\chi^2/\text{NDF}: 1176.9/26$

Out: -237.365 ± 1.122 $\chi^2/\text{NDF}: 2808.0/30$

All: -245.726 ± 0.820 $\chi^2/\text{NDF}: 4104.1/57$

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: -68.340 ± 1.093 χ^2/NDF : 407.7/11

Right Out: -84.124 ± 1.259 χ^2/NDF : 782.9/18

Left In: -70.023 ± 1.196 χ^2/NDF : 164.7/9

Left: -69.106 ± 0.807 χ^2/NDF : 573.5/21

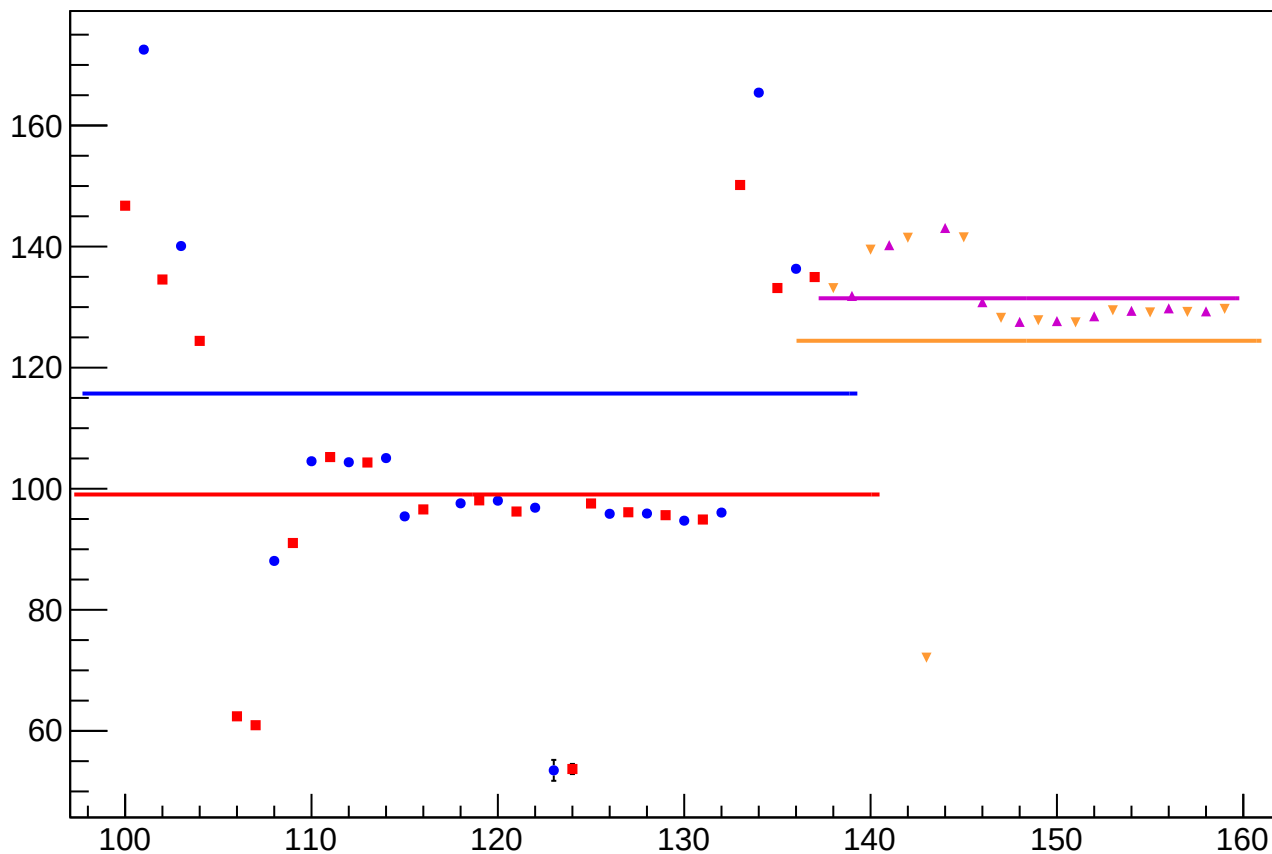
Right: -89.357 ± 0.912 χ^2/NDF : 1494.2/35

In: -81.319 ± 0.887 χ^2/NDF : 1038.0/26

Out: -75.127 ± 0.825 χ^2/NDF : 1280.2/30

All: -78.000 ± 0.604 χ^2/NDF : 2344.4/57

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.724+/-0.078 χ^2/NDF : 106388.1/16

Left Out: 124.440+/-0.055 χ^2/NDF :141235.1/11

Right Out: 99.049+/-0.069 χ^2/NDF : 173463.3/18

Left In: 131.459+/-0.058 χ^2/NDF :7272.0/9

Left: 127.754+/-0.040 χ^2/NDF : 156315.6/21

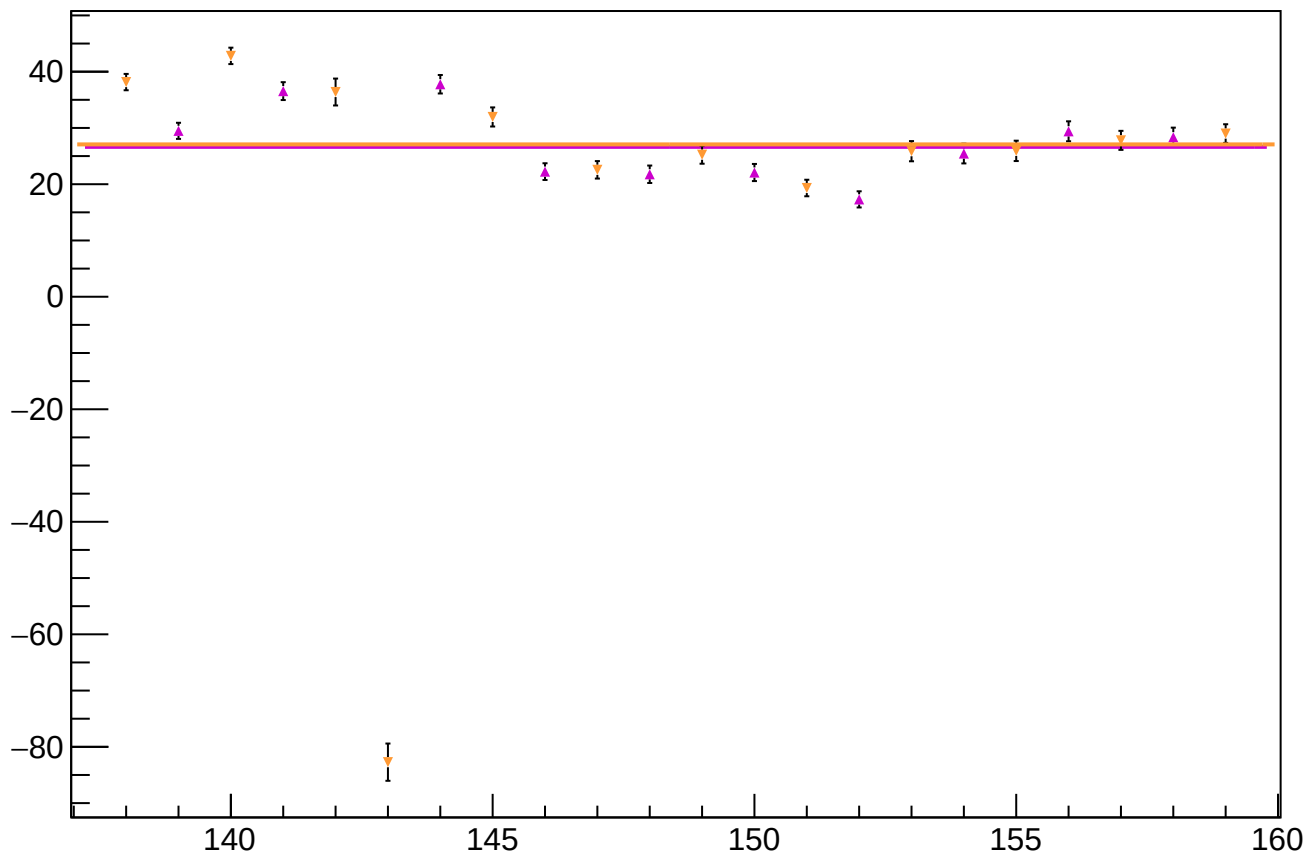
Right: 106.312+/-0.051 χ^2/NDF : 305658.4/35

In: 125.890+/-0.046 χ^2/NDF :139968.5/26

Out: 114.580+/-0.043 χ^2/NDF :398730.7/30

All: 119.766+/-0.031 χ^2/NDF : 570884.0/57

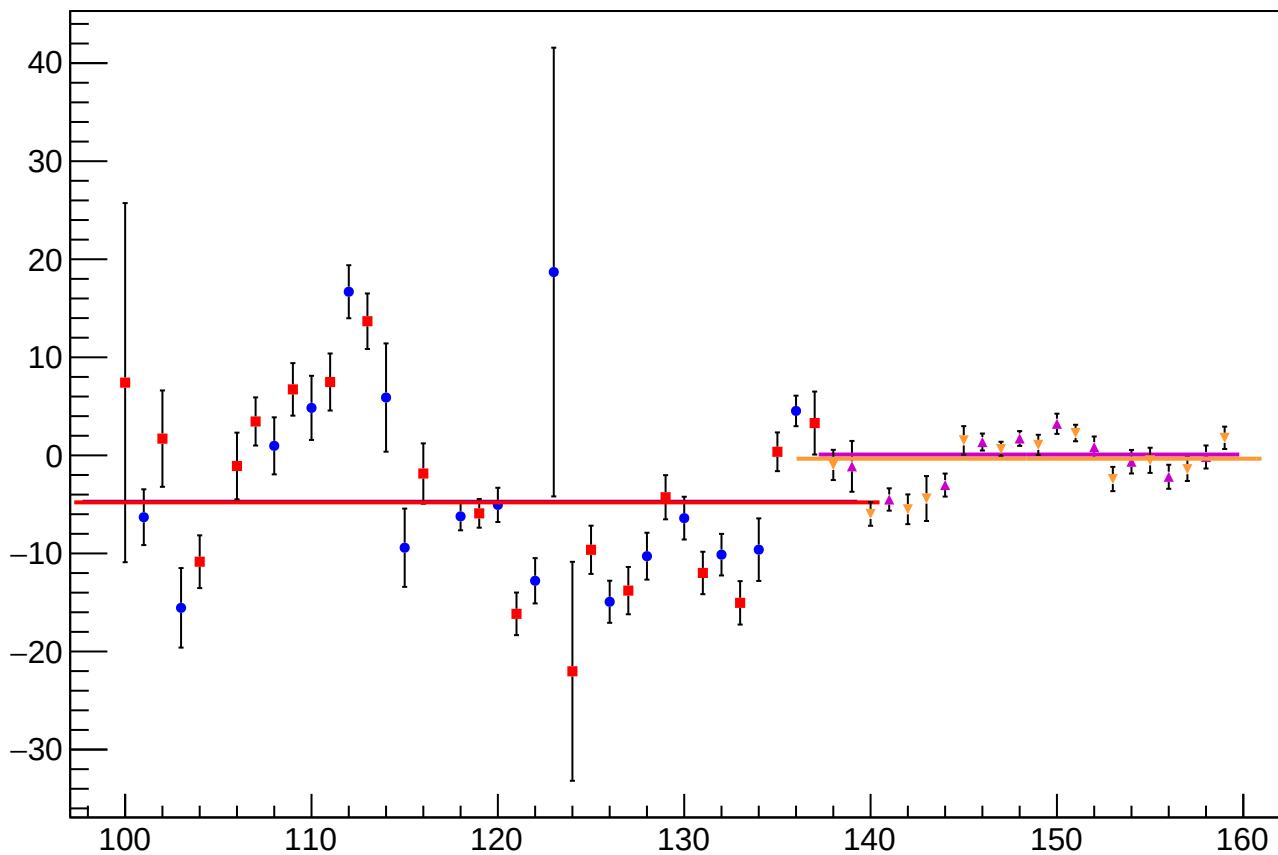
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 27.076 $\pm$ 0.491 χ^2/NDF :1337.9/11
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 26.642 $\pm$ 0.498 χ^2/NDF :162.6/9

Left: 26.862 $\pm$ 0.350 χ^2/NDF : 1500.9/21
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 26.642 $\pm$ 0.498 χ^2/NDF :162.6/9
 Out: 27.076 $\pm$ 0.491 χ^2/NDF :1337.9/11
 All: 26.862 $\pm$ 0.350 χ^2/NDF : 1500.9/21

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: -0.339 ± 0.331 χ^2/NDF : 58.9/11

Right Out: -4.793 ± 0.586 χ^2/NDF : 193.5/18

Left In: 0.084 ± 0.341 χ^2/NDF : 43.9/9

Left: -0.133 ± 0.237 χ^2/NDF : 103.7/21

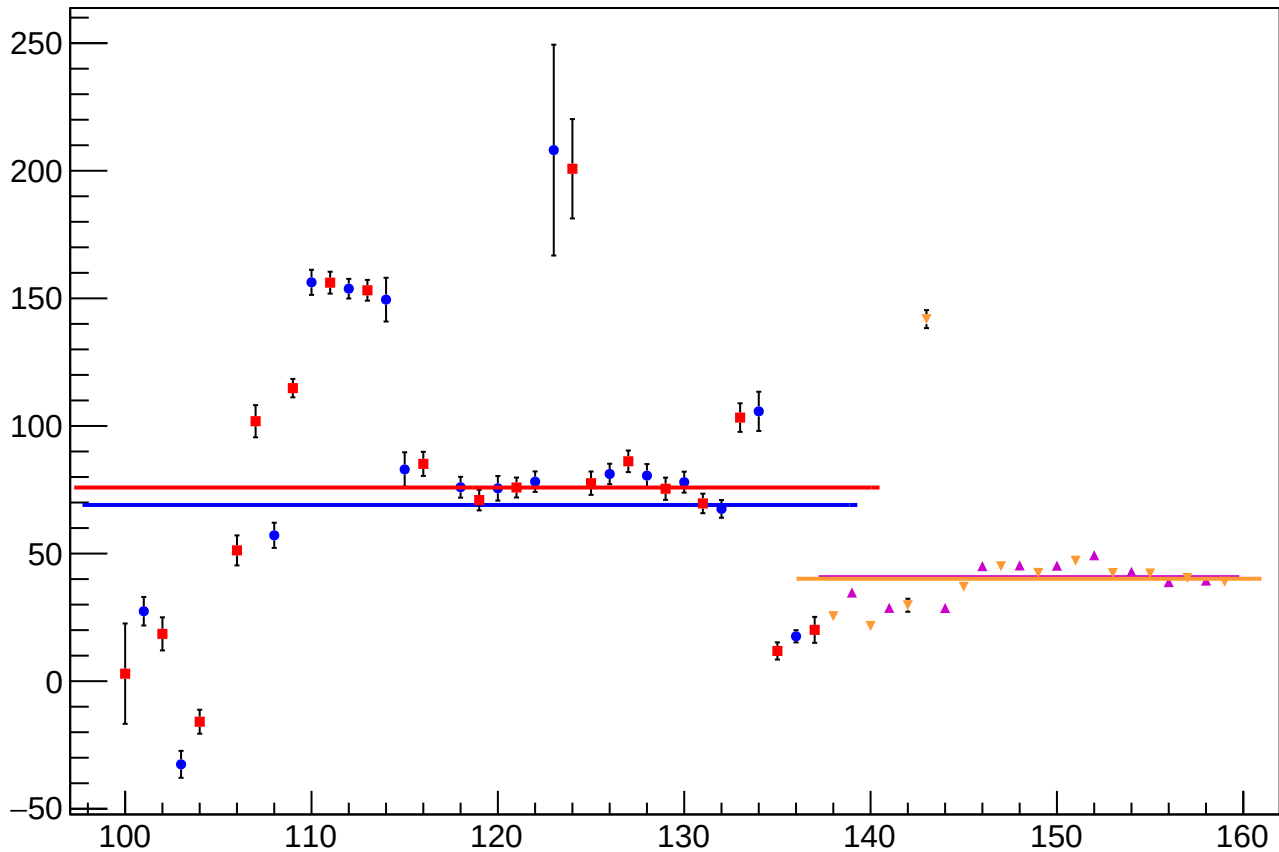
Right: -4.761 ± 0.412 χ^2/NDF : 368.3/35

In: -1.153 ± 0.294 χ^2/NDF : 270.1/26

Out: -1.417 ± 0.288 χ^2/NDF : 296.2/30

All: -1.288 ± 0.206 χ^2/NDF : 566.7/57

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.048+/-1.077 χ^2/NDF : 1847.9/16

Left Out: 40.140+/-0.480 χ^2/NDF :1119.8/11

Right Out: 75.878+/-1.069 χ^2/NDF : 1895.0/18

Left In: 40.753+/-0.486 χ^2/NDF :185.1/9

Left: 40.442+/-0.342 χ^2/NDF : 1305.7/21

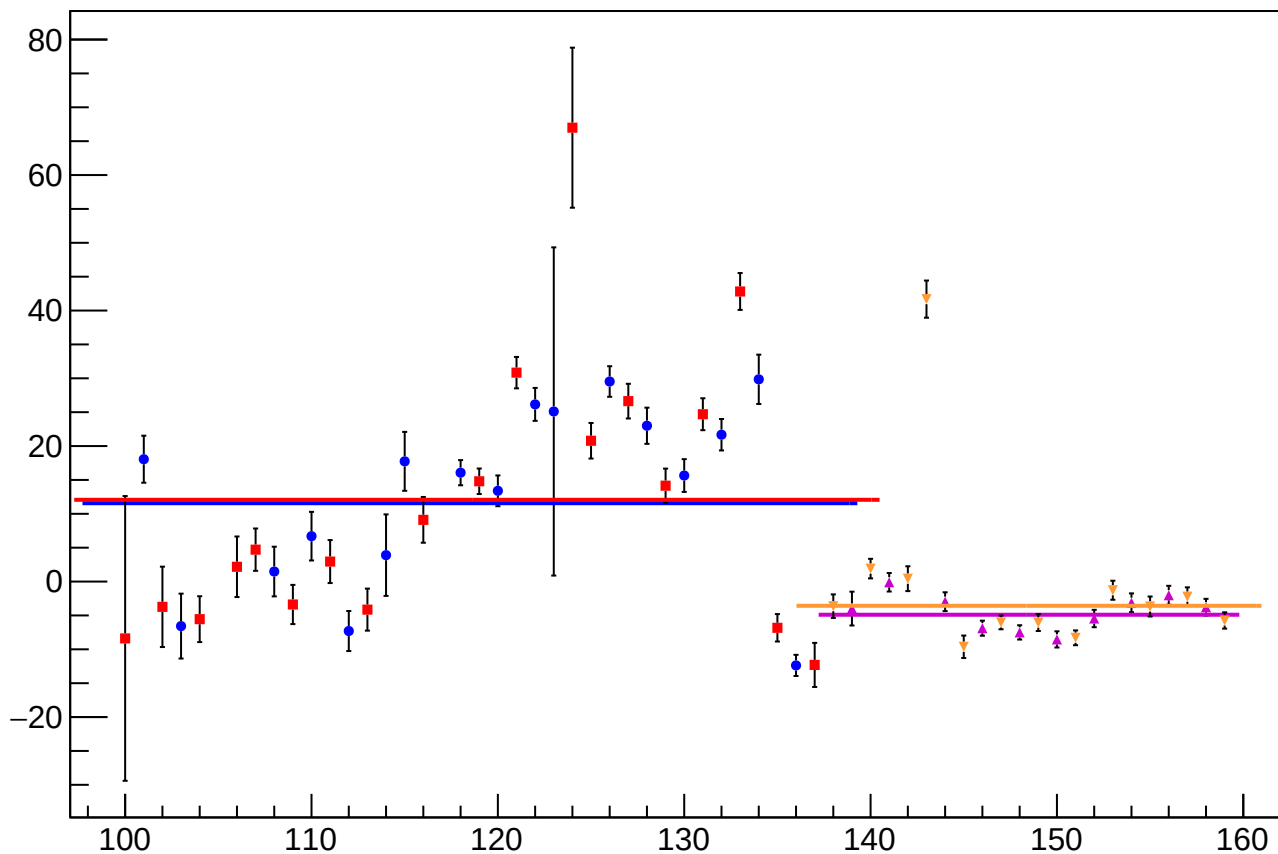
Right: 72.486+/-0.759 χ^2/NDF : 3763.1/35

In: 45.545+/-0.443 χ^2/NDF :2606.7/26

Out: 46.131+/-0.438 χ^2/NDF :3944.2/30

All: 45.842+/-0.311 χ^2/NDF : 6551.8/57

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: -3.575 $\pm$ 0.400 χ^2 /NDF:340.2/11

Right Out: 12.071 $\pm$ 0.665 χ^2 /NDF: 543.3/18

Left In: -4.897 $\pm$ 0.411 χ^2 /NDF:39.8/9

Left: -4.218 $\pm$ 0.287 χ^2 /NDF: 385.3/21

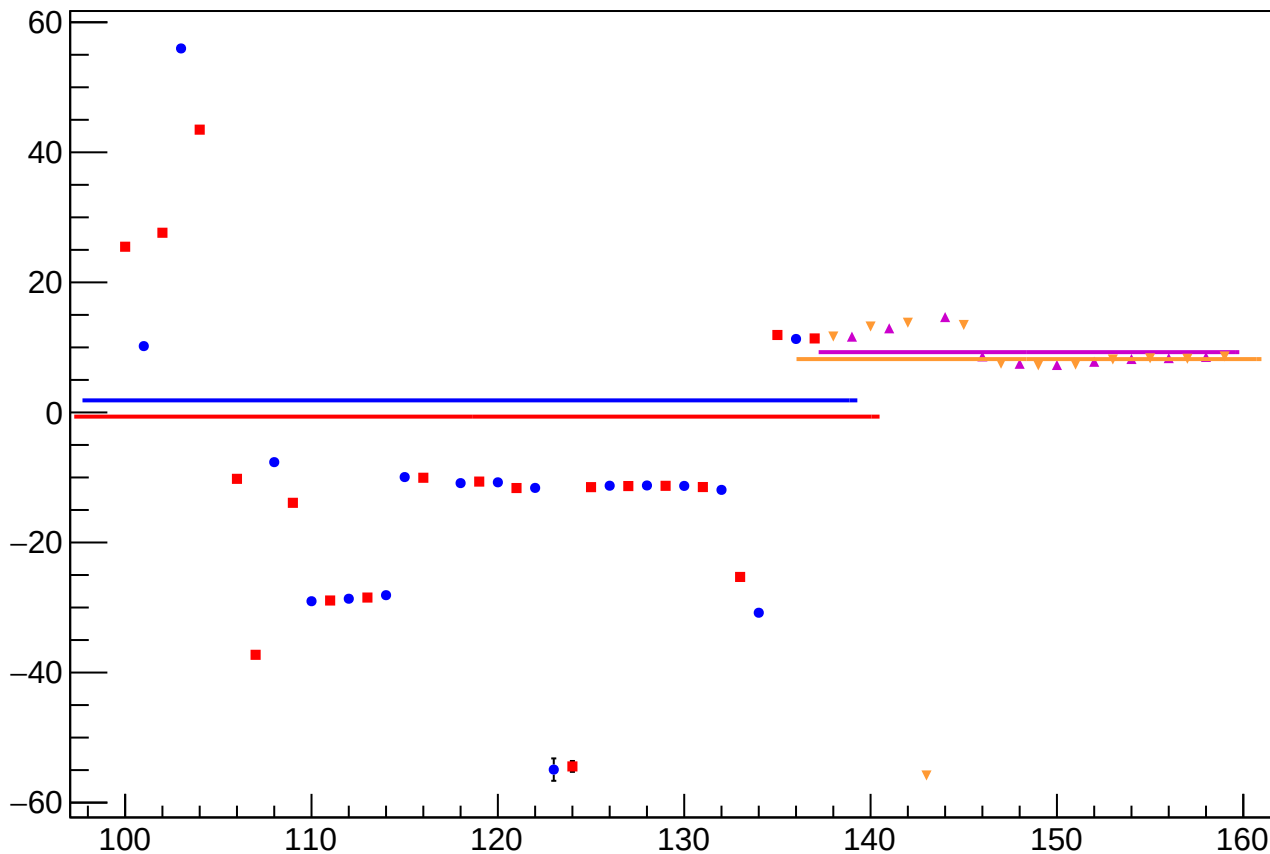
Right: 11.816 $\pm$ 0.468 χ^2 /NDF: 1021.8/35

In: -0.280 $\pm$ 0.349 χ^2 /NDF:968.1/26

Out: 0.589 $\pm$ 0.343 χ^2 /NDF:1290.3/30

All: 0.162 $\pm$ 0.244 χ^2 /NDF: 2261.6/57

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.855 $\pm$ 0.037 χ^2/NDF : 359414.1/16

Left Out: 8.202 $\pm$ 0.019 χ^2/NDF :222503.9/11

Right Out: -0.644 $\pm$ 0.037 χ^2/NDF : 361625.7/18

Left In: 9.271 $\pm$ 0.019 χ^2/NDF :13243.6/9

Left: 8.731 $\pm$ 0.013 χ^2/NDF : 237348.1/21

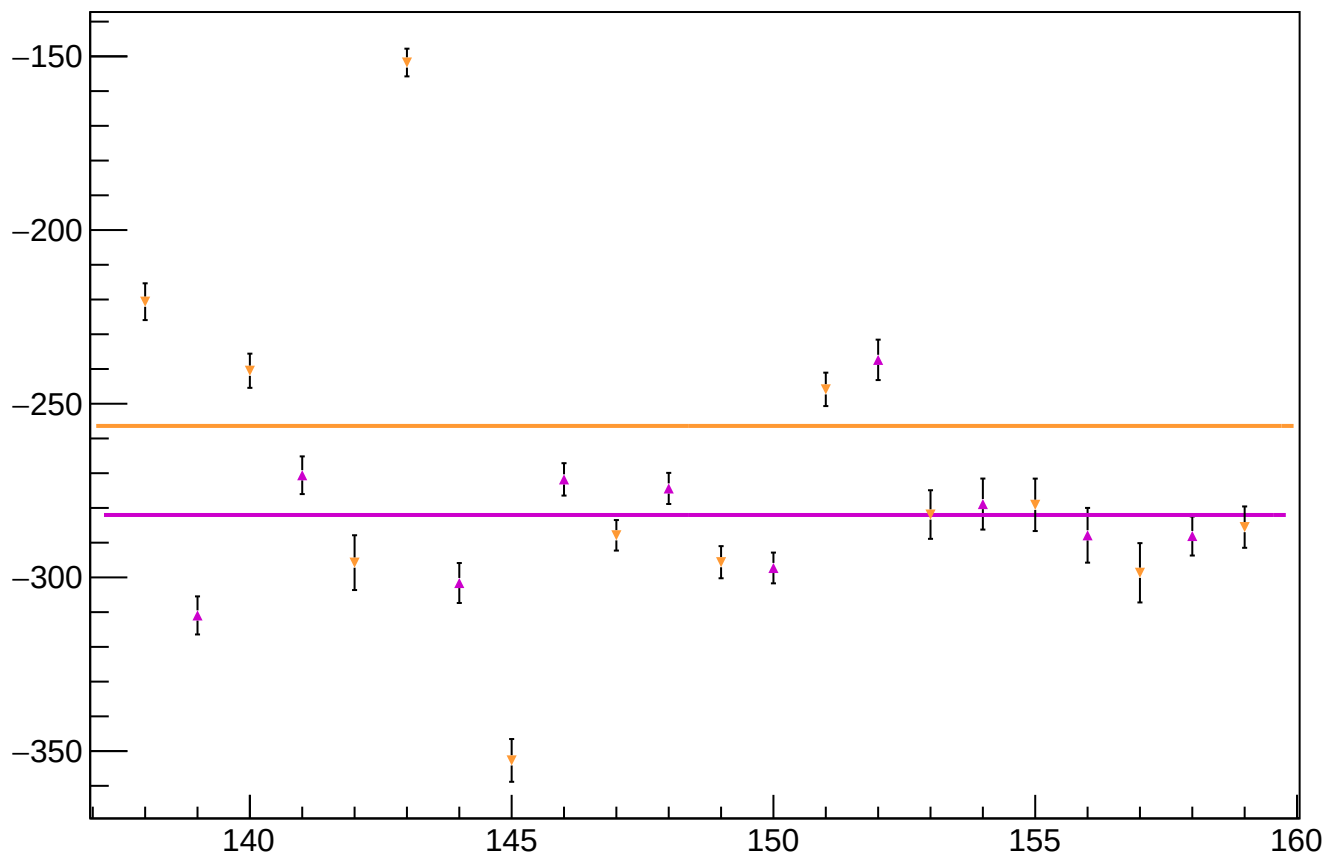
Right: 0.608 $\pm$ 0.026 χ^2/NDF : 723318.4/35

In: 7.724 $\pm$ 0.017 χ^2/NDF :404452.3/26

Out: 6.391 $\pm$ 0.017 χ^2/NDF :629463.4/30

All: 7.052 $\pm$ 0.012 χ^2/NDF : 1037050.1/57

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -256.390 $\pm$ 1.573 χ^2/NDF :1212.2/11

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

Left In: -282.026 $\pm$ 1.715 χ^2/NDF :124.3/9

Left: -268.109 $\pm$ 1.159 χ^2/NDF : 1457.9/21

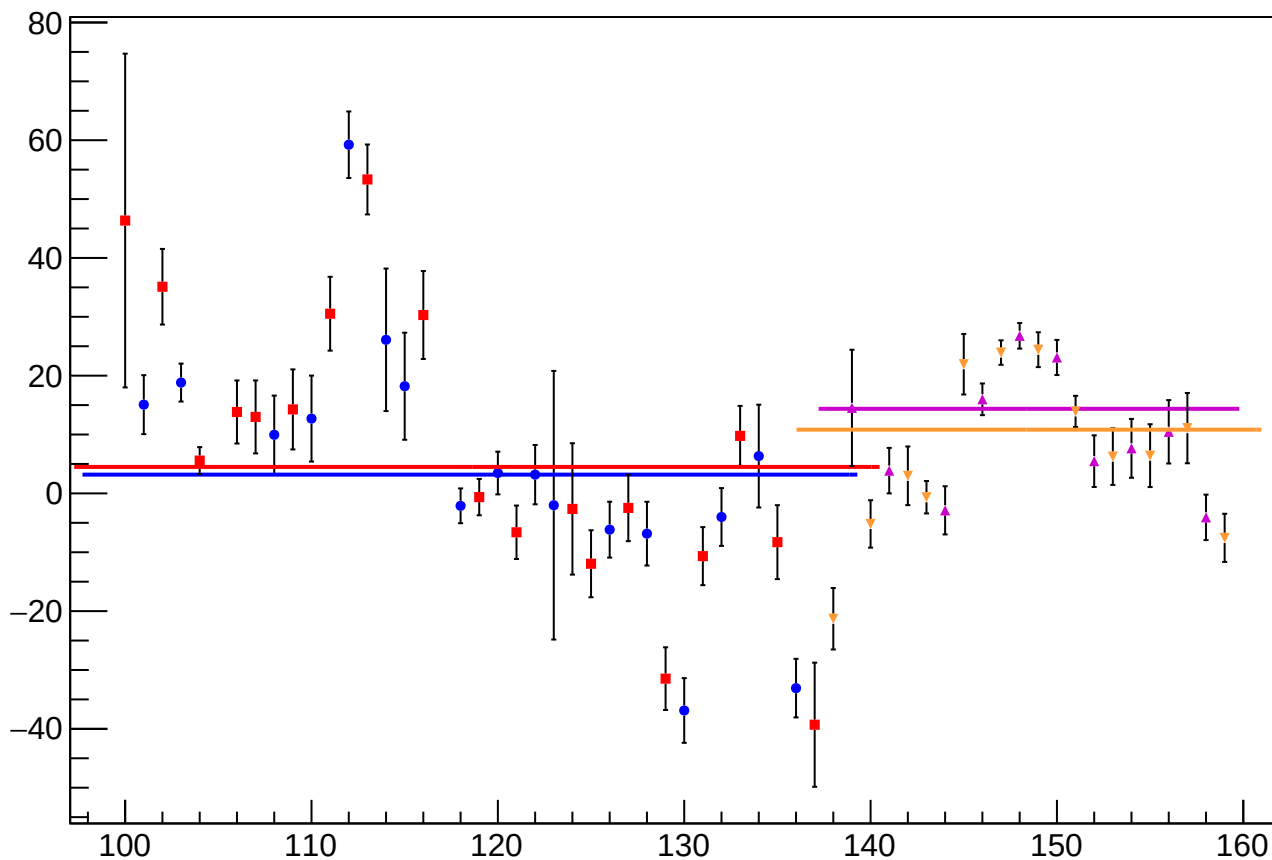
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -282.026 $\pm$ 1.715 χ^2/NDF :124.3/9

Out: -256.390 $\pm$ 1.573 χ^2/NDF :1212.2/11

All: -268.109 $\pm$ 1.159 χ^2/NDF : 1457.9/21

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.188 $\pm$ 1.225 χ^2/NDF : 255.6/16

Left Out: 10.824 $\pm$ 1.019 χ^2/NDF :161.9/11

Right Out: 4.497 $\pm$ 1.160 χ^2/NDF : 225.4/18

Left In: 14.370 $\pm$ 1.123 χ^2/NDF :95.9/9

Left: 12.426 $\pm$ 0.755 χ^2/NDF : 263.3/21

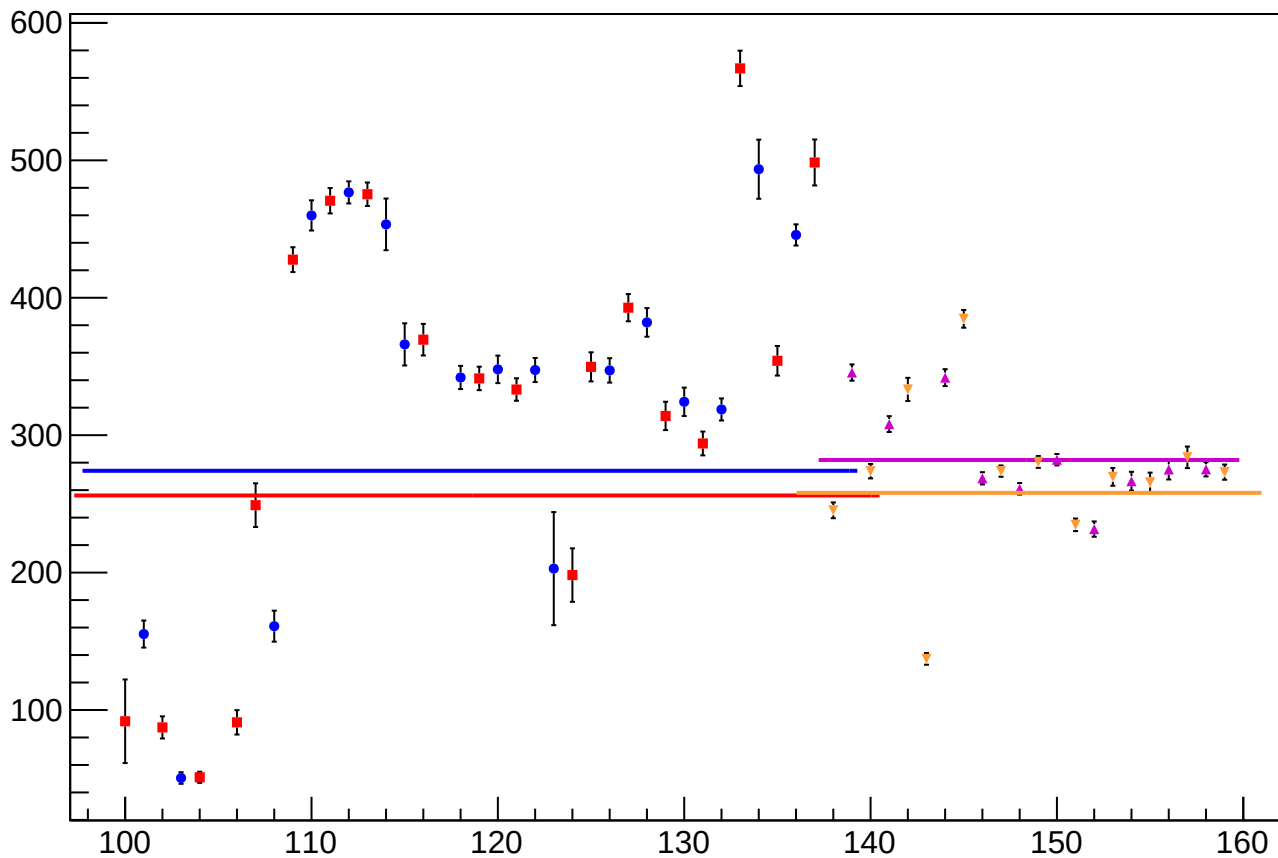
Right: 3.879 $\pm$ 0.842 χ^2/NDF : 481.7/35

In: 9.265 $\pm$ 0.828 χ^2/NDF :396.8/26

Out: 8.066 $\pm$ 0.766 χ^2/NDF :404.1/30

All: 8.619 $\pm$ 0.562 χ^2/NDF : 802.1/57

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 274.079 $\pm$ 2.191 χ^2 /NDF: 5112.0/16

Left Out: 258.022 $\pm$ 1.555 χ^2 /NDF:1373.7/11

Right Out: 256.109 $\pm$ 2.080 χ^2 /NDF: 6444.1/18

Left In: 281.922 $\pm$ 1.667 χ^2 /NDF:353.4/9

Left: 269.145 $\pm$ 1.137 χ^2 /NDF: 1837.0/21

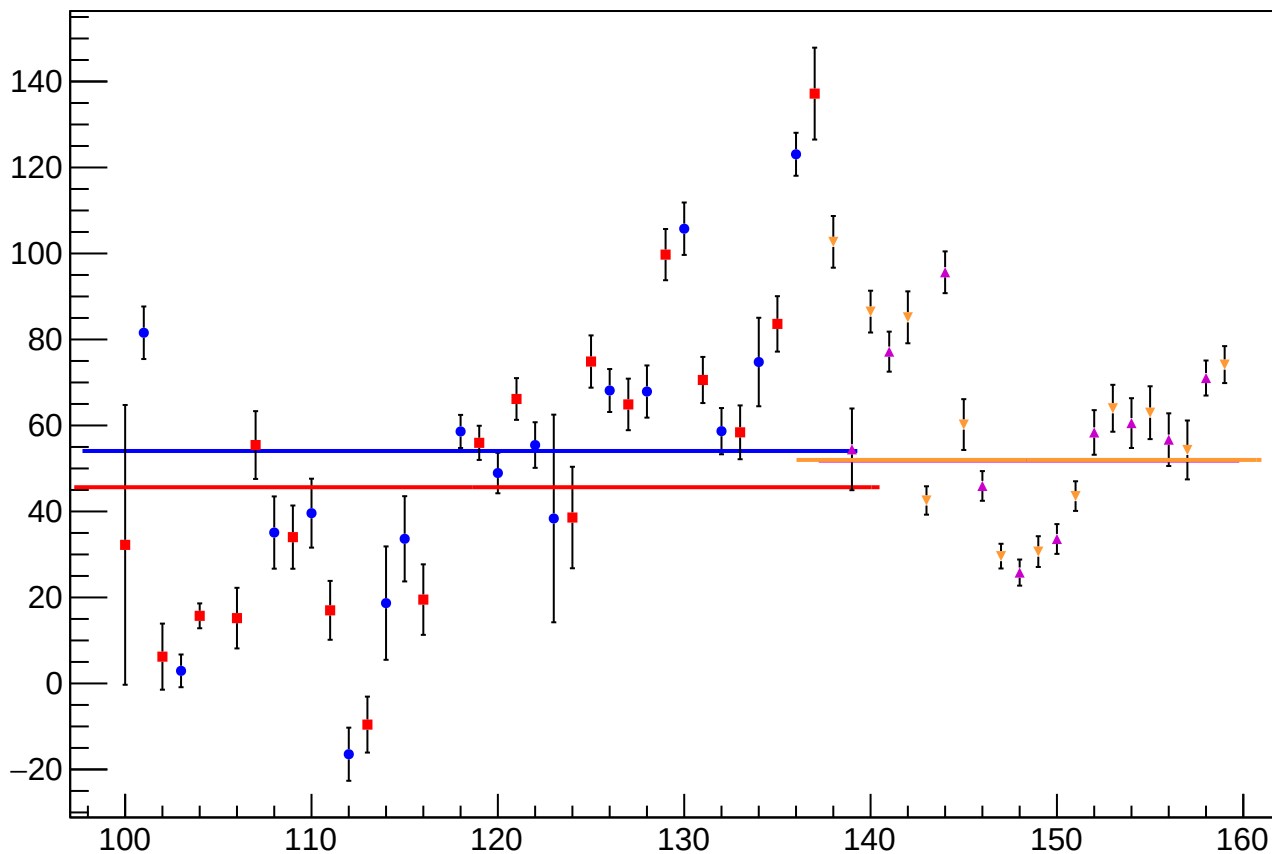
Right: 264.628 $\pm$ 1.509 χ^2 /NDF: 11591.4/35

In: 279.047 $\pm$ 1.327 χ^2 /NDF:5473.5/26

Out: 257.336 $\pm$ 1.246 χ^2 /NDF:7818.3/30

All: 267.508 $\pm$ 0.908 χ^2 /NDF: 13434.1/57

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: 51.984 $\pm$ 1.253 χ^2 /NDF:298.6/11

Right Out: 45.637 $\pm$ 1.359 χ^2 /NDF: 530.8/18

Left In: 51.840 $\pm$ 1.375 χ^2 /NDF:241.9/9

Left: 51.919 $\pm$ 0.926 χ^2 /NDF: 540.6/21

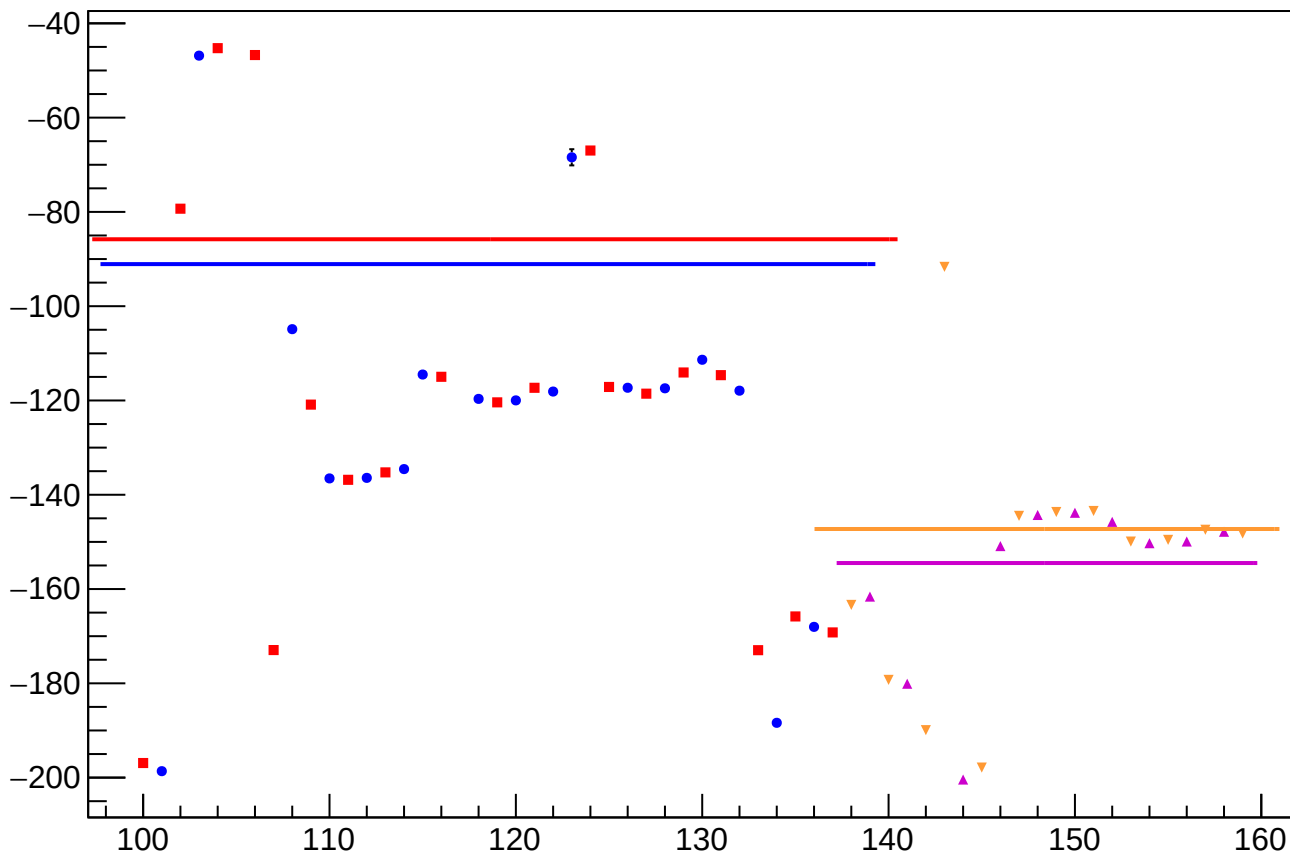
Right: 49.665 $\pm$ 0.982 χ^2 /NDF: 1183.6/35

In: 52.916 $\pm$ 0.988 χ^2 /NDF:877.6/26

Out: 49.068 $\pm$ 0.921 χ^2 /NDF:841.2/30

All: 50.858 $\pm$ 0.674 χ^2 /NDF: 1726.9/57

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: -147.262 ± 0.063 $\chi^2/\text{NDF}: 186798.1/11$

Right Out: -85.803 ± 0.065 $\chi^2/\text{NDF}: 495895.1/18$

Left In: -154.481 ± 0.067 $\chi^2/\text{NDF}: 52885.1/9$

Left: -150.671 ± 0.046 $\chi^2/\text{NDF}: 245881.4/21$

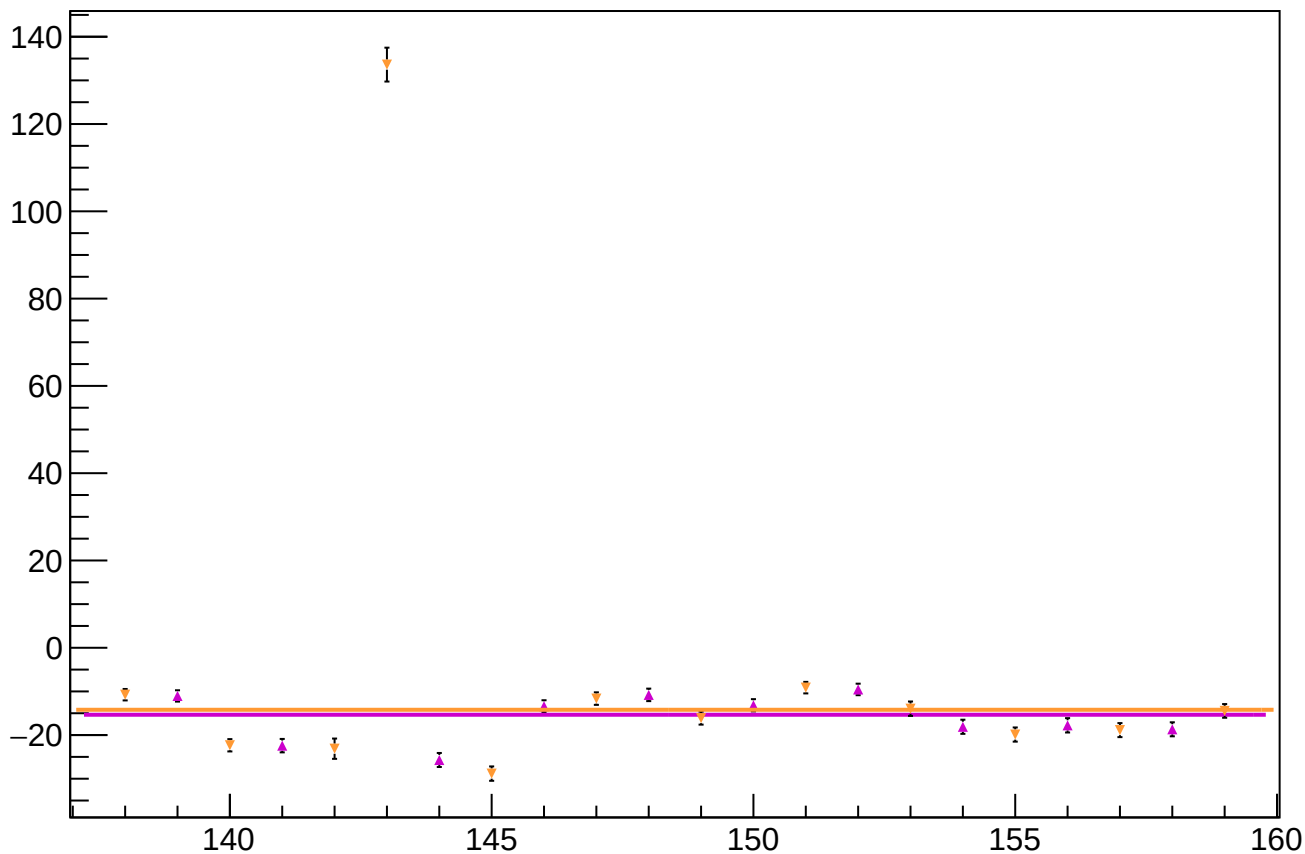
Right: -88.339 ± 0.047 $\chi^2/\text{NDF}: 1033703.0/35$

In: -123.207 ± 0.047 $\chi^2/\text{NDF}: 1034324.5/26$

Out: -117.511 ± 0.045 $\chi^2/\text{NDF}: 1143348.5/30$

All: -120.225 ± 0.033 $\chi^2/\text{NDF}: 2185223.8/57$

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: -14.205+/-0.459 χ^2/NDF :1624.5/11

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

Left In: -15.344+/-0.464 χ^2/NDF :117.0/9

Left: -14.768+/-0.326 χ^2/NDF : 1744.5/21

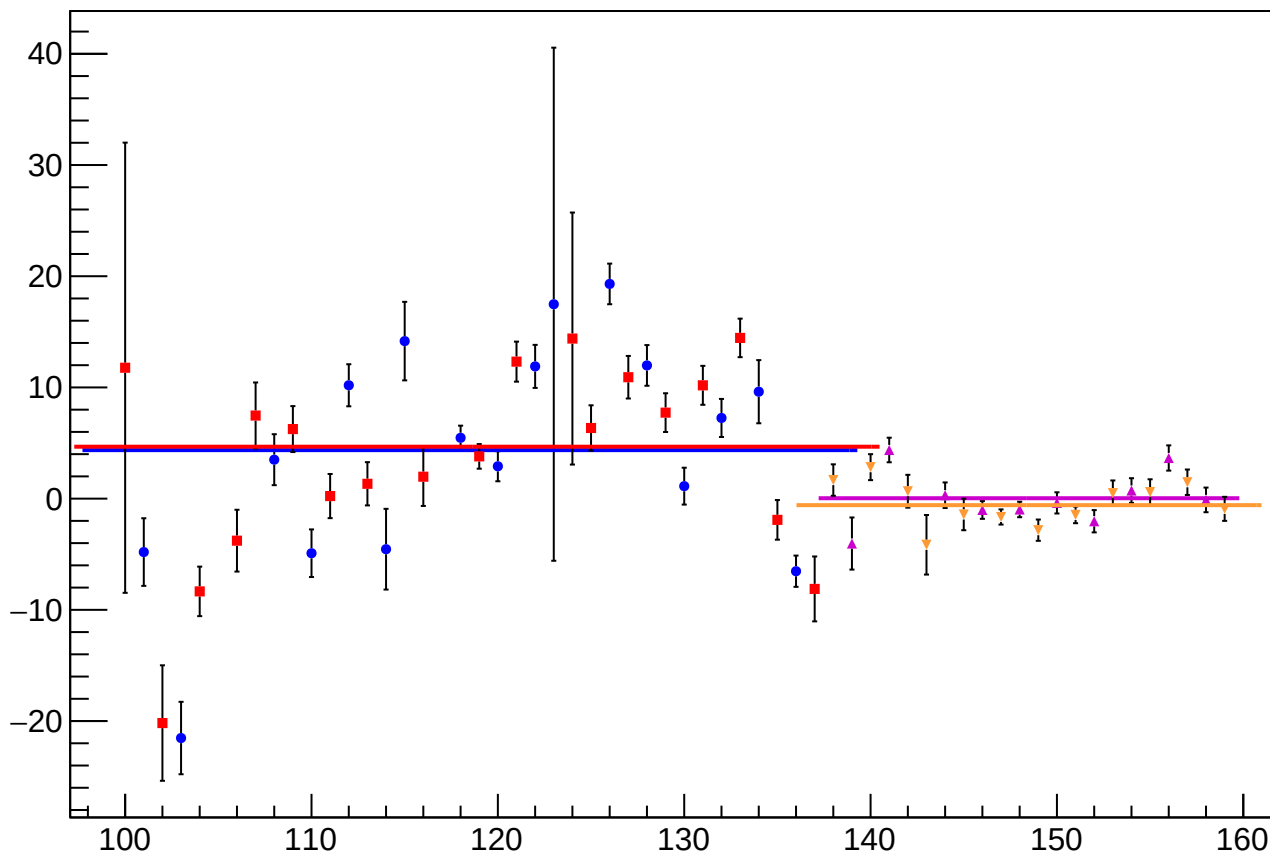
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.344+/-0.464 χ^2/NDF :117.0/9

Out: -14.205+/-0.459 χ^2/NDF :1624.5/11

All: -14.768+/-0.326 χ^2/NDF : 1744.5/21

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.361 $\pm$ 0.464 χ^2 /NDF: 286.5/16

Left Out: -0.586 $\pm$ 0.309 χ^2 /NDF:28.6/11

Right Out: 4.670 $\pm$ 0.474 χ^2 /NDF: 185.4/18

Left In: 0.037 $\pm$ 0.318 χ^2 /NDF:37.4/9

Left: -0.284 $\pm$ 0.221 χ^2 /NDF: 67.9/21

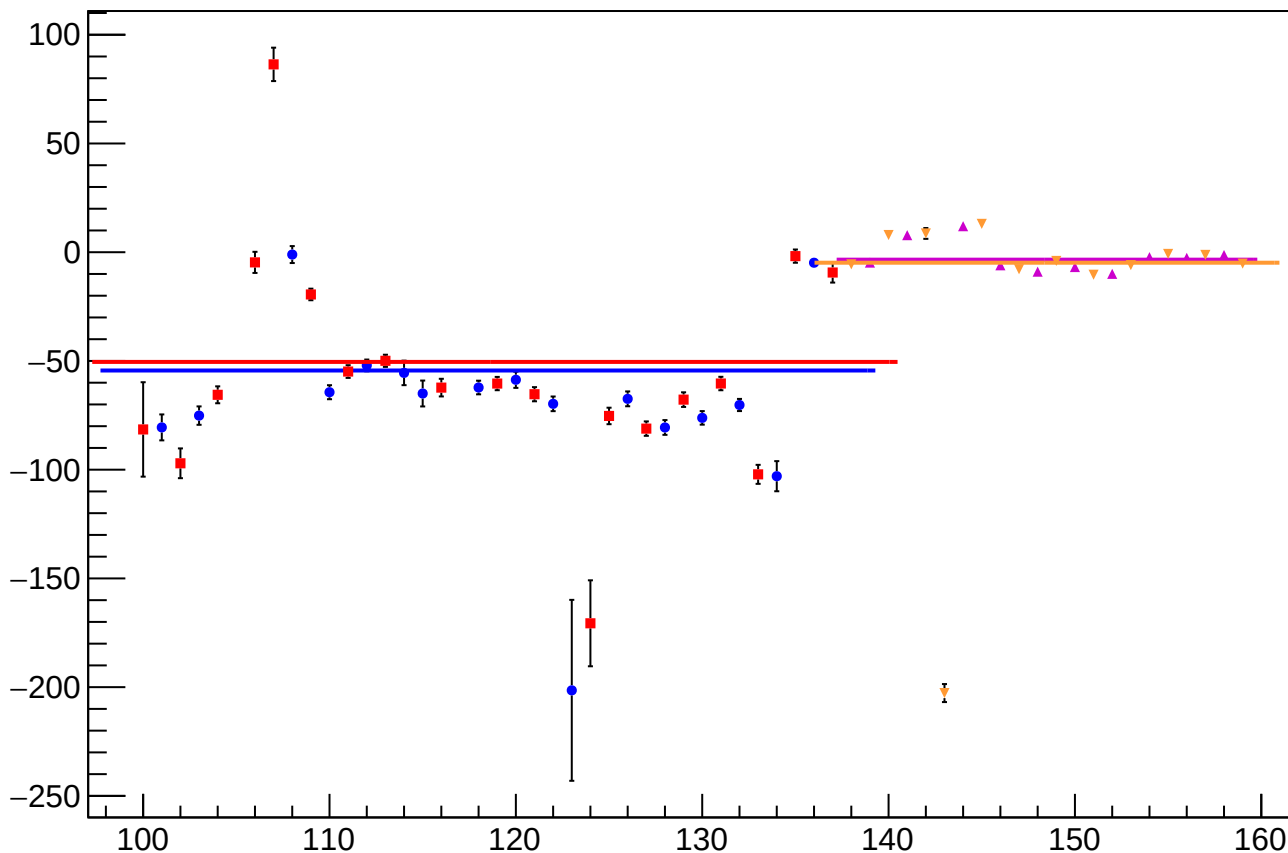
Right: 4.512 $\pm$ 0.332 χ^2 /NDF: 472.1/35

In: 1.418 $\pm$ 0.262 χ^2 /NDF:382.9/26

Out: 0.977 $\pm$ 0.259 χ^2 /NDF:300.3/30

All: 1.194 $\pm$ 0.184 χ^2 /NDF: 684.6/57

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: -4.823 ± 0.448 $\chi^2/\text{NDF}: 2529.8/11$

Right Out: -50.441 ± 0.857 $\chi^2/\text{NDF}: 1324.7/18$

Left In: -3.426 ± 0.452 $\chi^2/\text{NDF}: 185.3/9$

Left: -4.131 ± 0.318 $\chi^2/\text{NDF}: 2719.9/21$

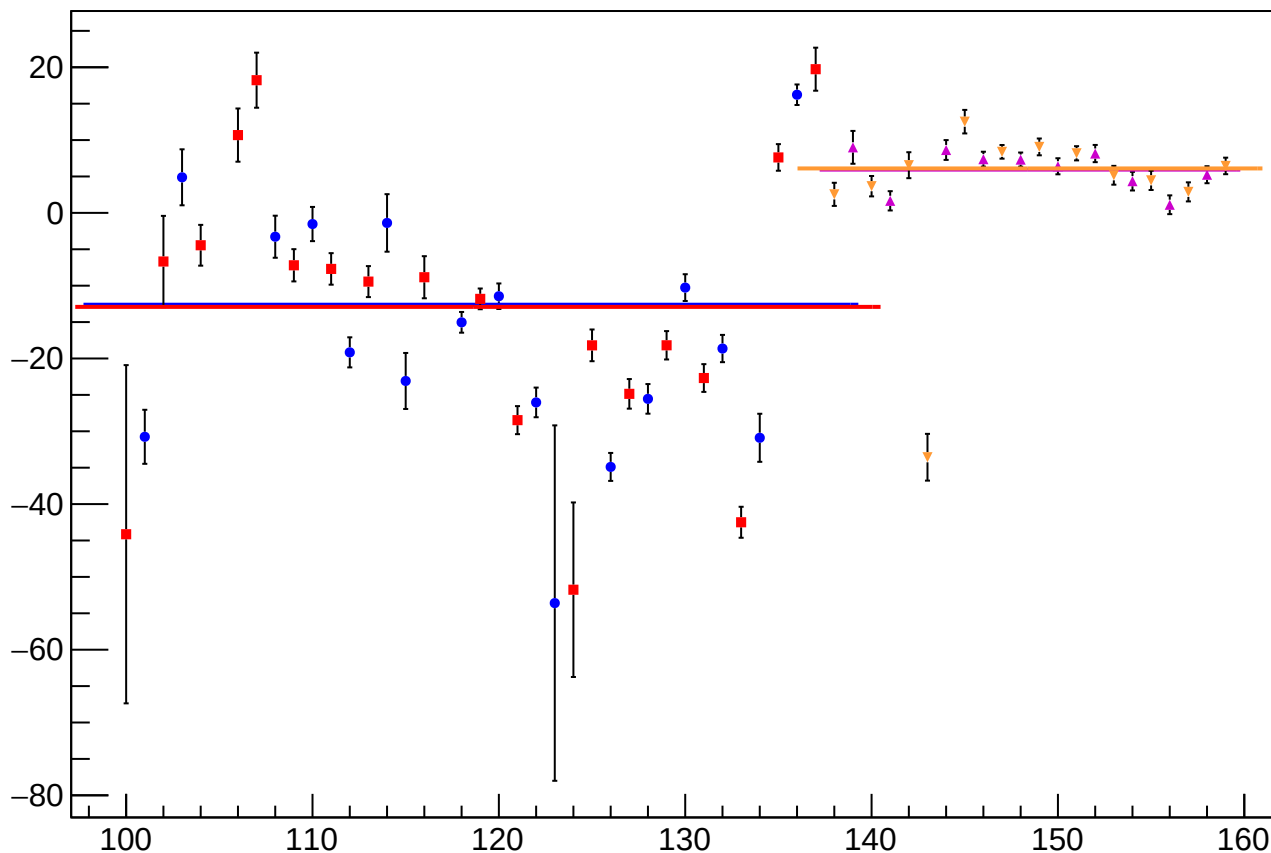
Right: -52.405 ± 0.608 $\chi^2/\text{NDF}: 2348.7/35$

In: -14.424 ± 0.401 $\chi^2/\text{NDF}: 3936.9/26$

Out: -14.606 ± 0.397 $\chi^2/\text{NDF}: 6078.3/30$

All: -14.516 ± 0.282 $\chi^2/\text{NDF}: 10015.3/57$

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: 6.103 ± 0.374 χ^2/NDF : 201.7/11

Right Out: -12.912 ± 0.538 χ^2/NDF : 730.2/18

Left In: 5.942 ± 0.384 χ^2/NDF : 39.7/9

Left: 6.025 ± 0.268 χ^2/NDF : 241.5/21

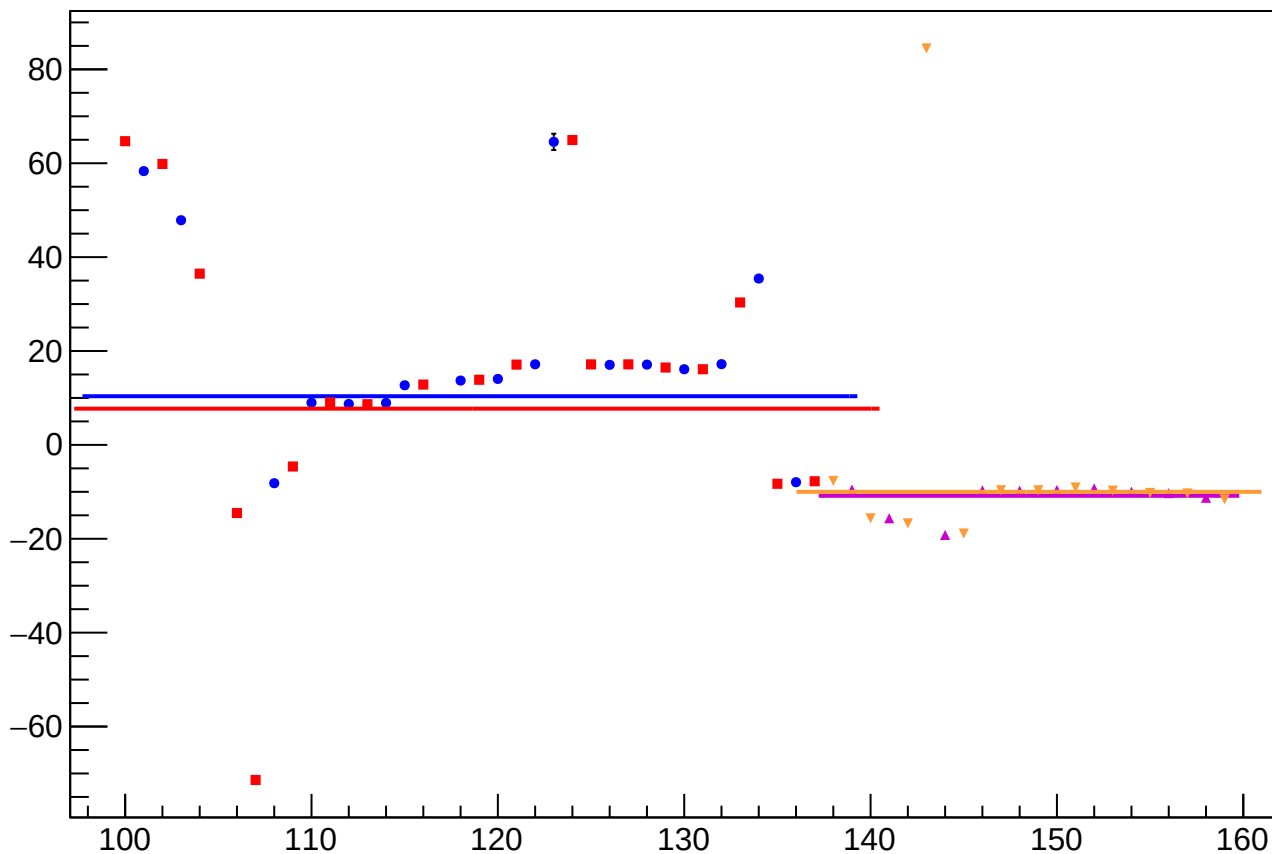
Right: -12.762 ± 0.378 χ^2/NDF : 1518.6/35

In: -0.436 ± 0.311 χ^2/NDF : 1632.1/26

Out: -0.080 ± 0.307 χ^2/NDF : 1774.3/30

All: -0.256 ± 0.218 χ^2/NDF : 3407.0/57

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: -9.999+/-0.018 χ^2/NDF : 355763.0/11

Right Out: 7.719+/-0.031 χ^2/NDF : 545085.7/18

Left In: -10.845+/-0.018 χ^2/NDF : 20896.5/9

Left: -10.419+/-0.012 χ^2/NDF : 377814.5/21

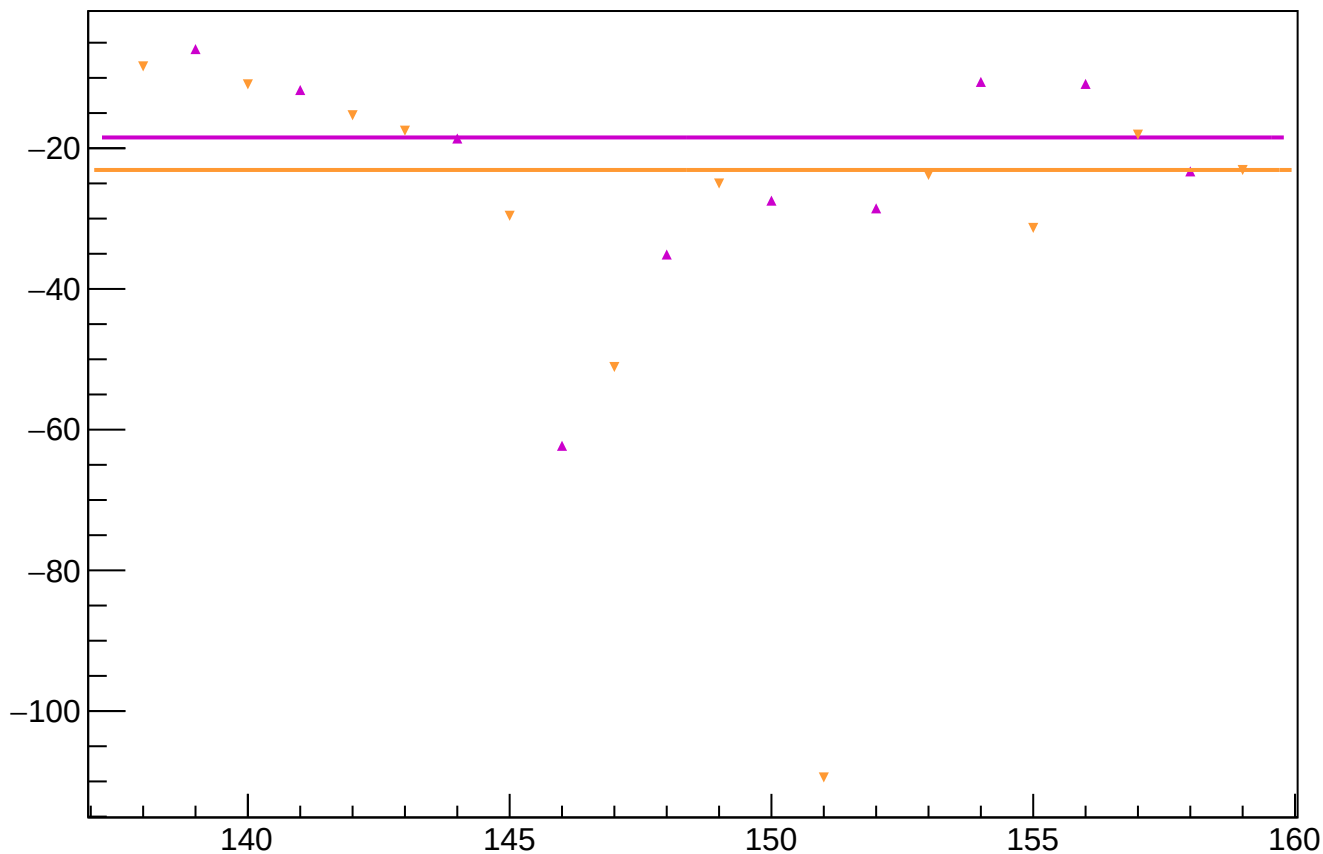
Right: 9.073+/-0.022 χ^2/NDF : 929756.2/35

In: -5.530+/-0.015 χ^2/NDF : 763470.6/26

Out: -5.757+/-0.015 χ^2/NDF : 1145272.4/30

All: -5.643+/-0.011 χ^2/NDF : 1908853.4/57

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: -23.088+/-0.076 χ^2/NDF : 50366.3/11

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

Left In: -18.468+/-0.068 χ^2/NDF : 36519.0/9

Left: -20.526+/-0.051 χ^2/NDF : 88943.1/21

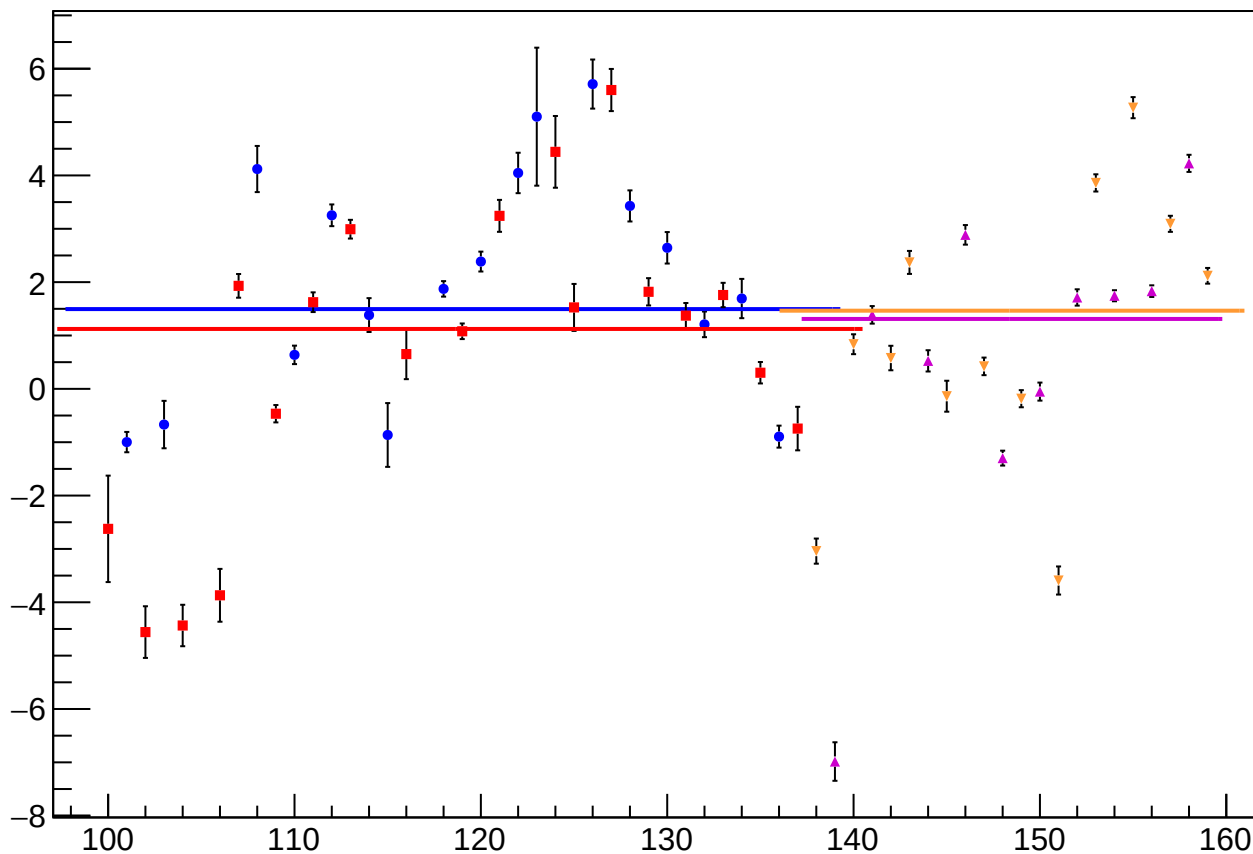
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.468+/-0.068 χ^2/NDF : 36519.0/9

Out: -23.088+/-0.076 χ^2/NDF : 50366.3/11

All: -20.526+/-0.051 χ^2/NDF : 88943.1/21

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: 1.465 $\pm$ 0.054 χ^2 /NDF:1682.7/11

Right Out: 1.123 $\pm$ 0.058 χ^2 /NDF: 946.5/18

Left In: 1.310 $\pm$ 0.047 χ^2 /NDF:1408.9/9

Left: 1.378 $\pm$ 0.036 χ^2 /NDF: 3096.3/21

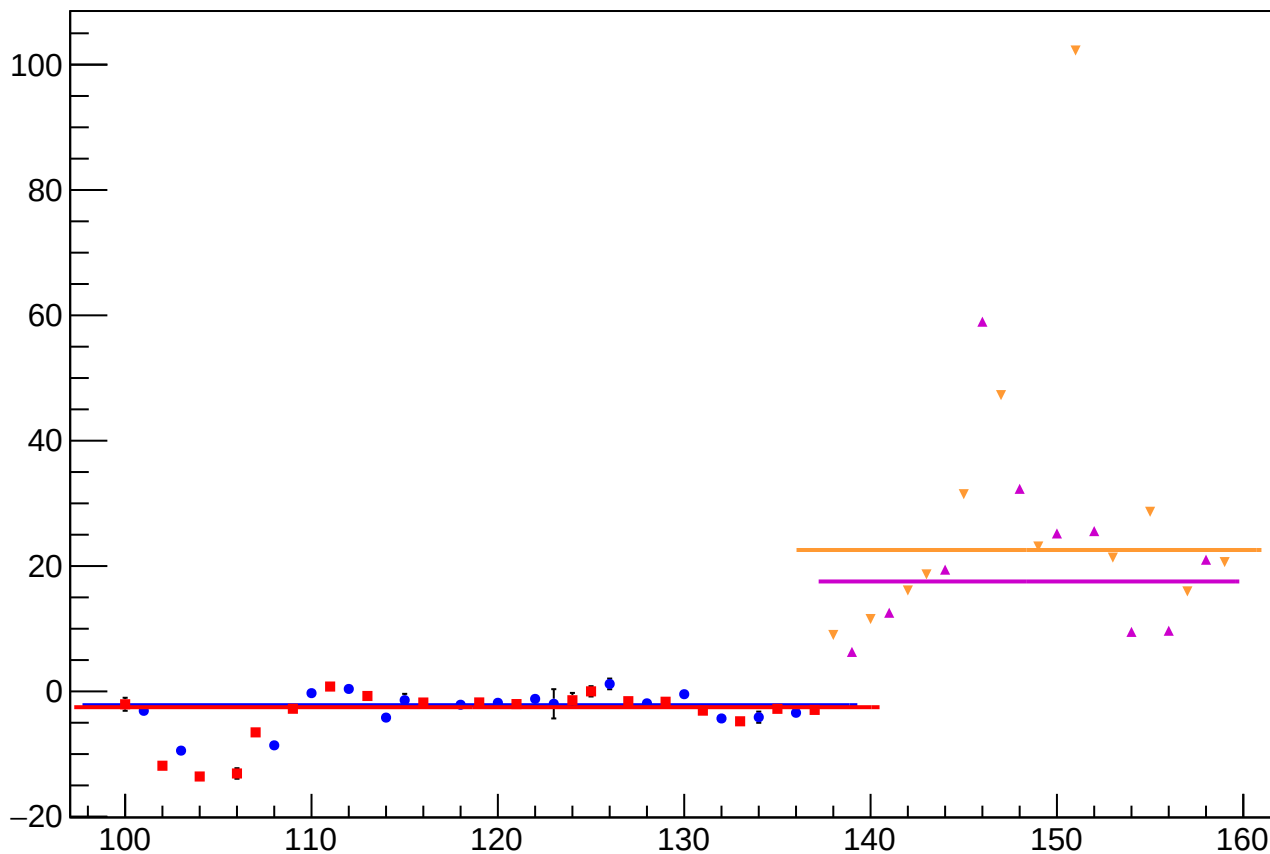
Right: 1.300 $\pm$ 0.042 χ^2 /NDF: 1674.8/35

In: 1.380 $\pm$ 0.037 χ^2 /NDF:2123.5/26

Out: 1.307 $\pm$ 0.040 χ^2 /NDF:2647.8/30

All: 1.345 $\pm$ 0.027 χ^2 /NDF: 4773.0/57

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: 22.561 ± 0.074 χ^2/NDF : 45582.2/11

Right Out: -2.520 ± 0.099 χ^2/NDF : 903.3/18

Left In: 17.539 ± 0.065 χ^2/NDF : 34283.9/9

Left: 19.733 ± 0.049 χ^2/NDF : 82437.6/21

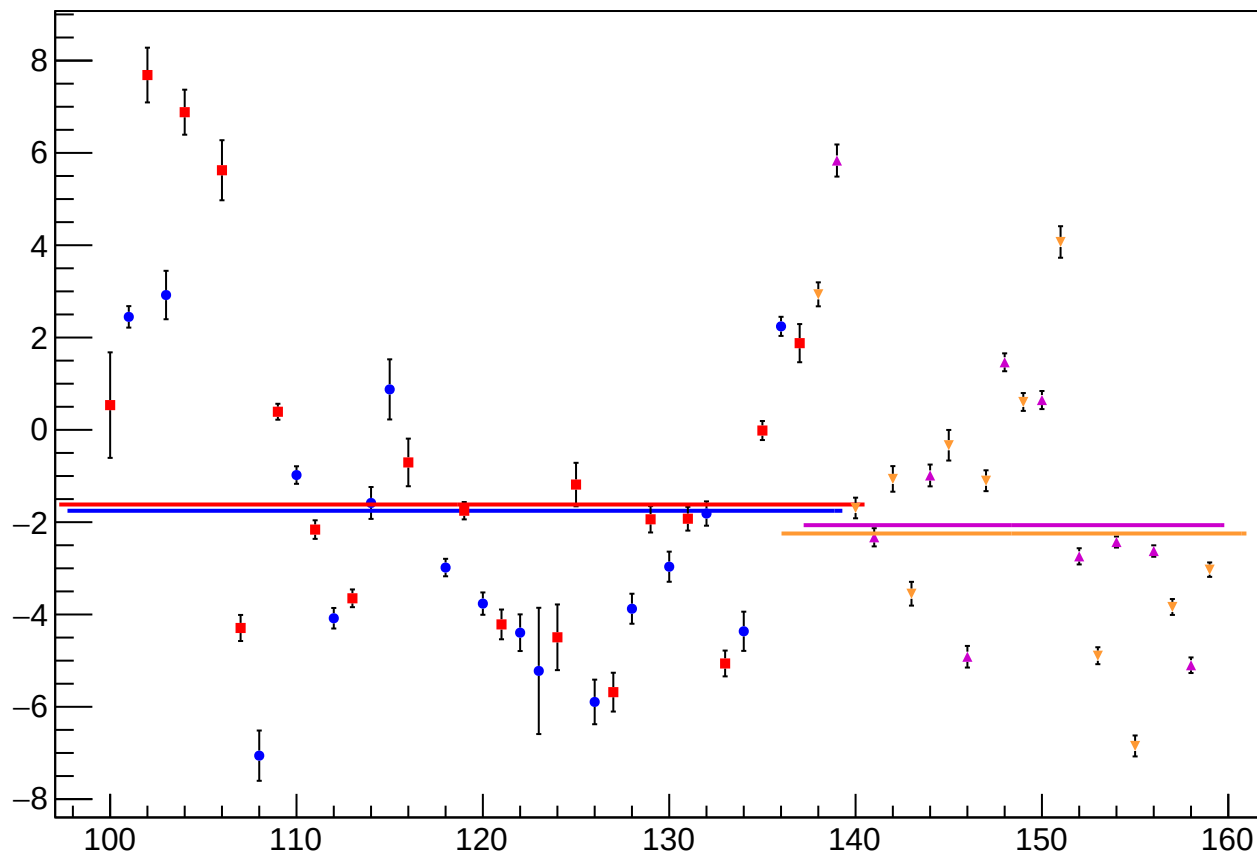
Right: -2.378 ± 0.074 χ^2/NDF : 1368.9/35

In: 12.418 ± 0.056 χ^2/NDF : 58340.9/26

Out: 13.517 ± 0.059 χ^2/NDF : 87565.3/30

All: 12.938 ± 0.041 χ^2/NDF : 146086.2/57

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: -2.246+/-0.063 χ^2/NDF : 1795.6/11

Right Out: -1.617+/-0.066 χ^2/NDF : 1487.5/18

Left In: -2.065+/-0.055 χ^2/NDF : 1576.7/9

Left: -2.143+/-0.042 χ^2/NDF : 3376.9/21

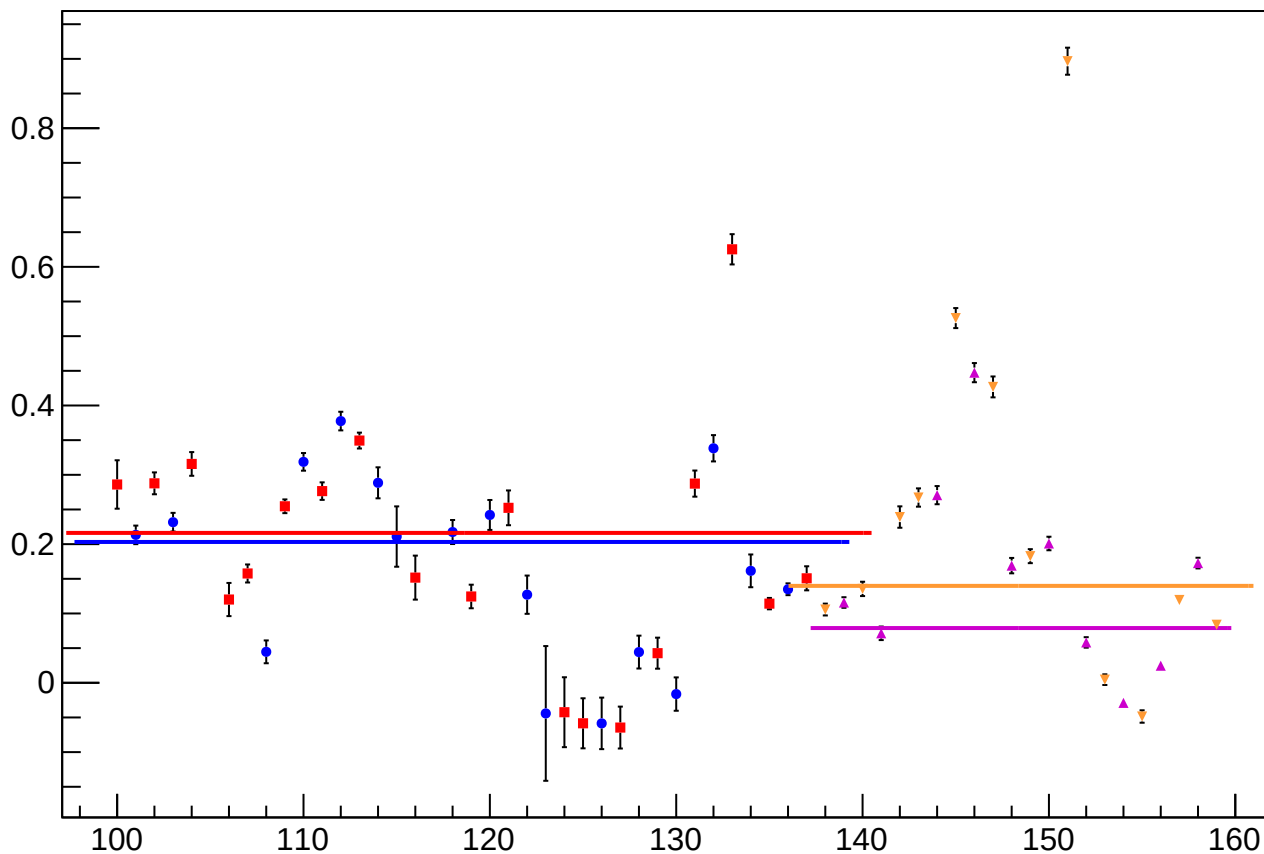
Right: -1.681+/-0.048 χ^2/NDF : 2834.6/35

In: -1.945+/-0.044 χ^2/NDF : 2933.8/26

Out: -1.944+/-0.046 χ^2/NDF : 3330.7/30

All: -1.945+/-0.031 χ^2/NDF : 6264.5/57

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 $\pm$ 0.004 χ^2 /NDF: 677.2/16

Left Out: 0.140 $\pm$ 0.003 χ^2 /NDF:3568.6/11

Right Out: 0.216 $\pm$ 0.004 χ^2 /NDF: 1067.3/18

Left In: 0.079 $\pm$ 0.002 χ^2 /NDF:1933.4/9

Left: 0.104 $\pm$ 0.002 χ^2 /NDF: 5774.5/21

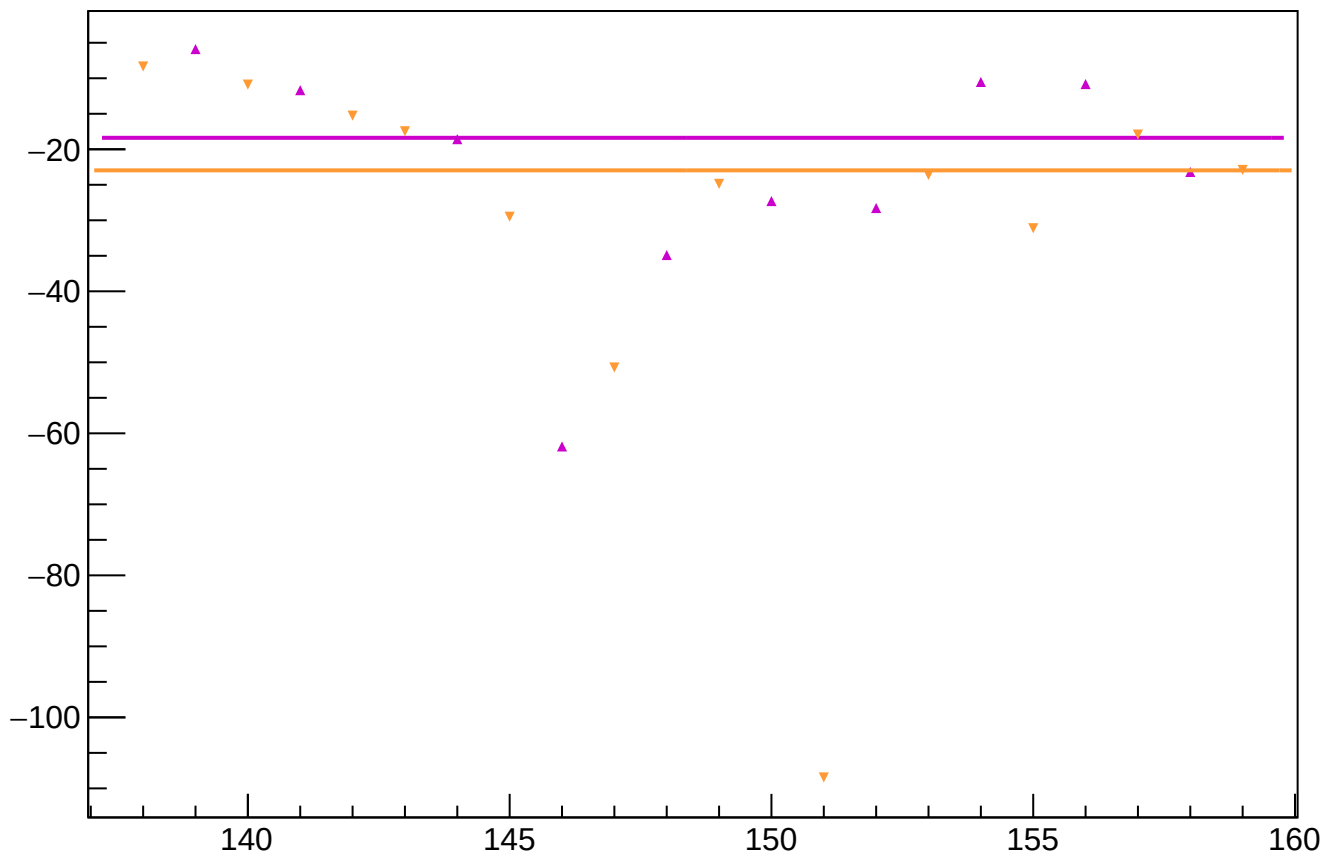
Right: 0.210 $\pm$ 0.003 χ^2 /NDF: 1750.0/35

In: 0.110 $\pm$ 0.002 χ^2 /NDF:3288.6/26

Out: 0.168 $\pm$ 0.002 χ^2 /NDF:4906.8/30

All: 0.137 $\pm$ 0.002 χ^2 /NDF: 8557.9/57

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: -22.970+/-0.075 χ^2/NDF :50256.9/11

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

Left In: -18.385+/-0.068 χ^2/NDF :36445.2/9

Left: -20.428+/-0.050 χ^2/NDF : 88753.6/21

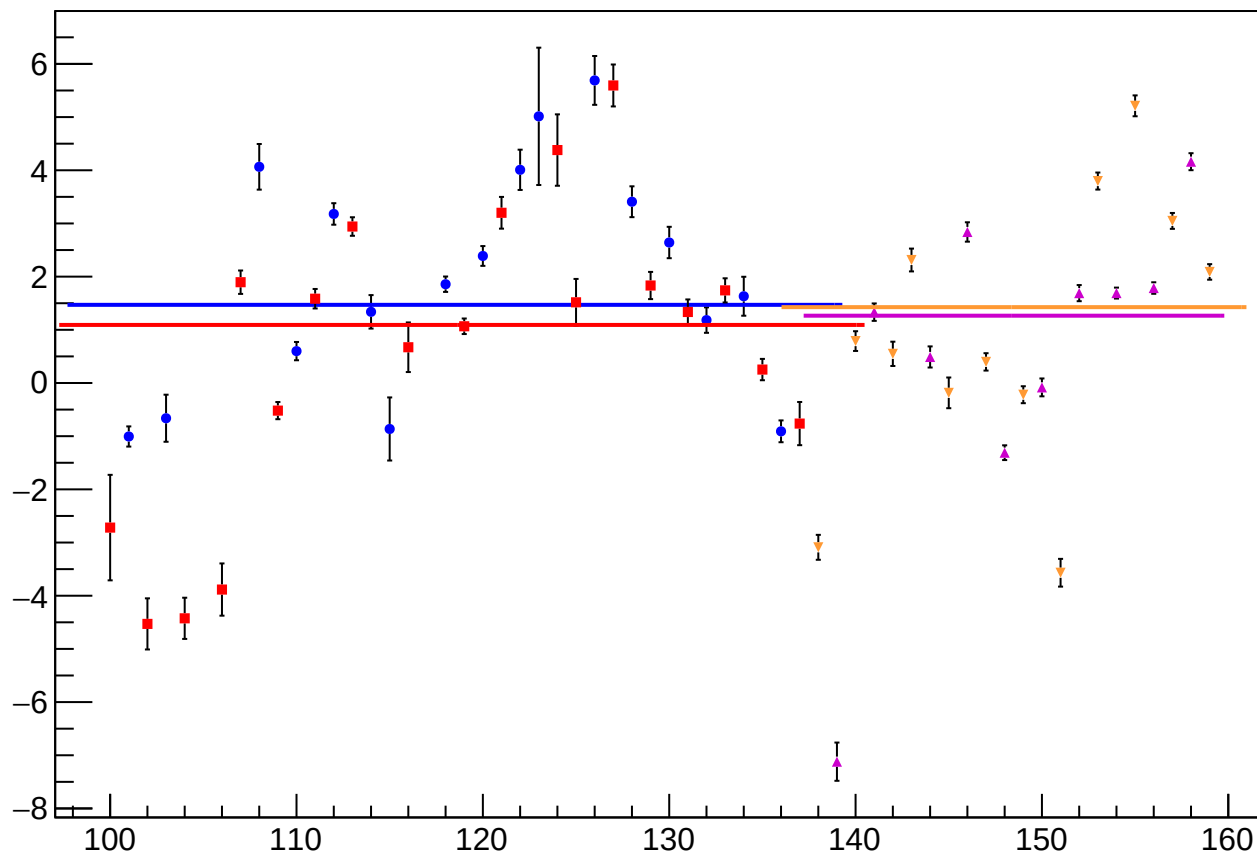
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.385+/-0.068 χ^2/NDF :36445.2/9

Out: -22.970+/-0.075 χ^2/NDF :50256.9/11

All: -20.428+/-0.050 χ^2/NDF : 88753.6/21

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: 1.426 ± 0.054 χ^2/NDF : 1688.3/11

Right Out: 1.092 ± 0.058 χ^2/NDF : 952.1/18

Left In: 1.266 ± 0.047 χ^2/NDF : 1420.8/9

Left: 1.336 ± 0.035 χ^2/NDF : 3114.1/21

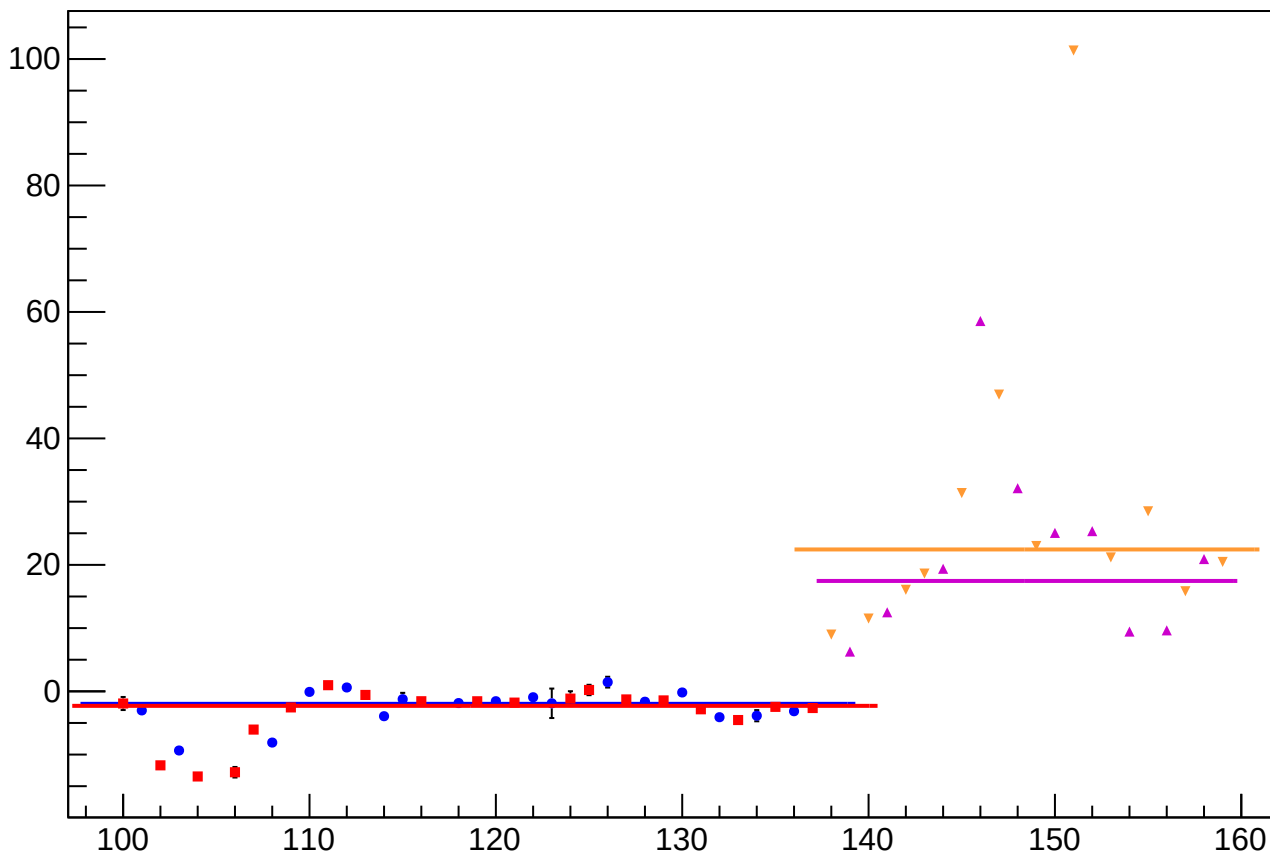
Right: 1.272 ± 0.042 χ^2/NDF : 1680.2/35

In: 1.342 ± 0.037 χ^2/NDF : 2135.7/26

Out: 1.272 ± 0.039 χ^2/NDF : 2658.3/30

All: 1.309 ± 0.027 χ^2/NDF : 4795.7/57

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.977 ± 0.110 $\chi^2/\text{NDF}: 463.8/16$

Left Out: 22.439 ± 0.074 $\chi^2/\text{NDF}: 45504.4/11$

Right Out: -2.294 ± 0.098 $\chi^2/\text{NDF}: 906.6/18$

Left In: 17.459 ± 0.065 $\chi^2/\text{NDF}: 34220.7/9$

Left: 19.635 ± 0.049 $\chi^2/\text{NDF}: 82286.2/21$

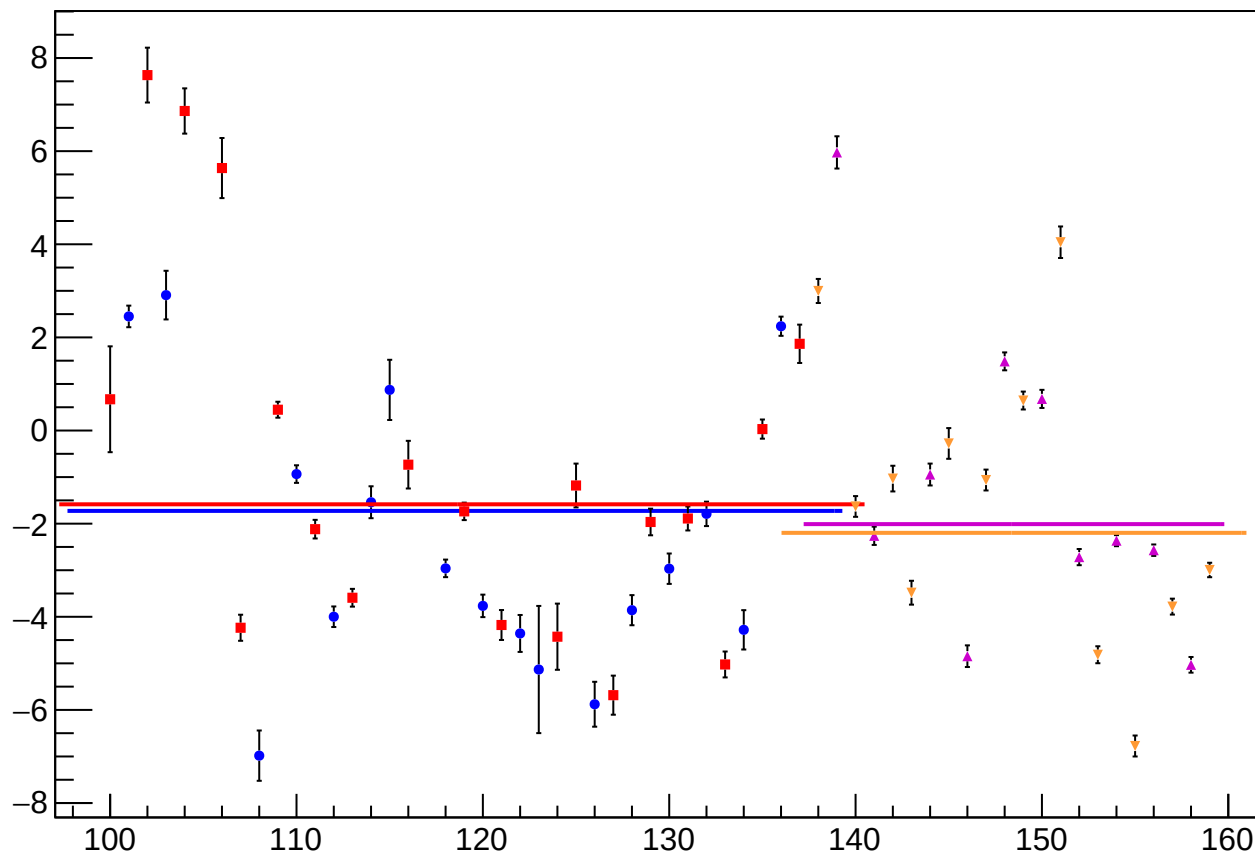
Right: -2.153 ± 0.073 $\chi^2/\text{NDF}: 1375.0/35$

In: 12.425 ± 0.056 $\chi^2/\text{NDF}: 57800.3/26$

Out: 13.533 ± 0.059 $\chi^2/\text{NDF}: 86816.3/30$

All: 12.949 ± 0.041 $\chi^2/\text{NDF}: 144801.8/57$

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: -2.197 ± 0.063 χ^2/NDF : 1802.9/11

Right Out: -1.584 ± 0.065 χ^2/NDF : 1492.8/18

Left In: -2.010 ± 0.055 χ^2/NDF : 1592.4/9

Left: -2.091 ± 0.041 χ^2/NDF : 3400.4/21

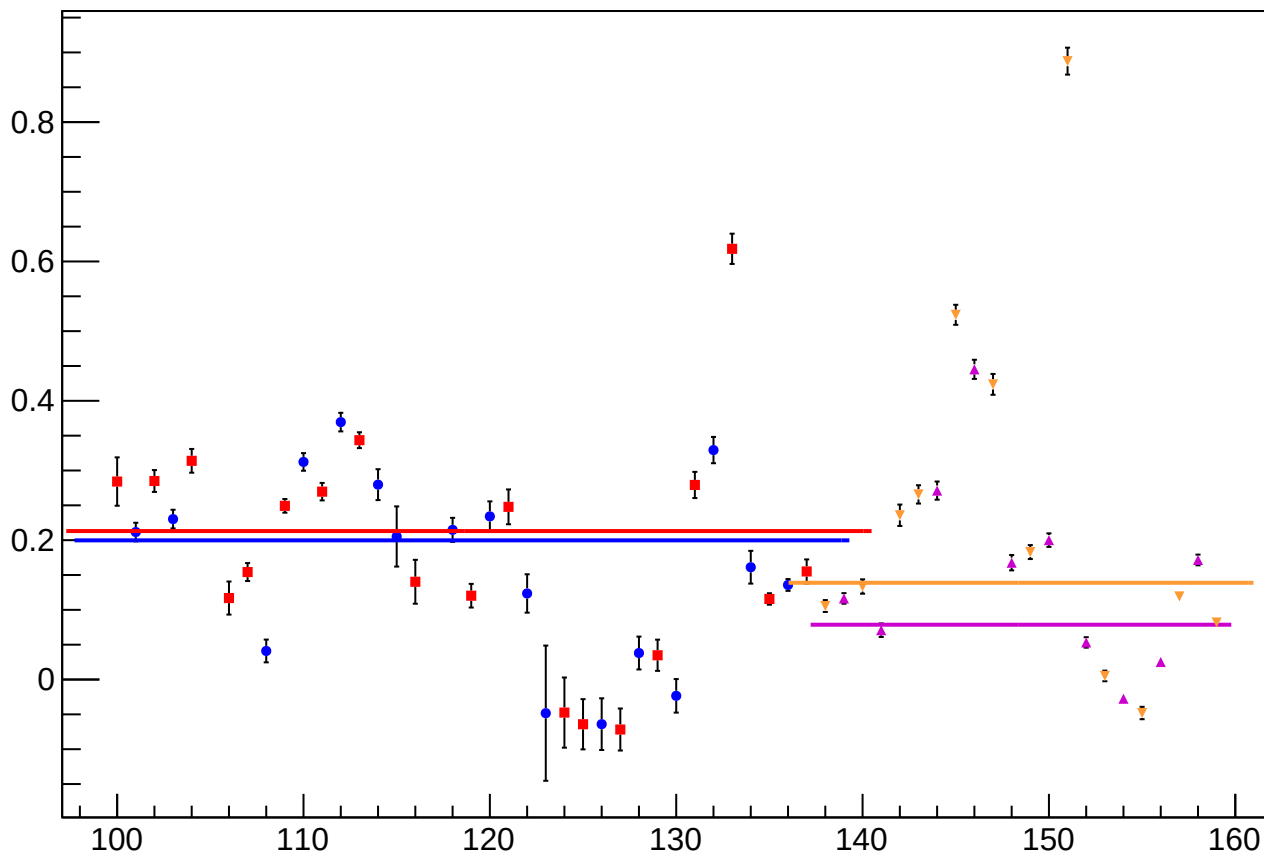
Right: -1.650 ± 0.048 χ^2/NDF : 2836.5/35

In: -1.901 ± 0.043 χ^2/NDF : 2944.1/26

Out: -1.904 ± 0.045 χ^2/NDF : 3341.4/30

All: -1.902 ± 0.031 χ^2/NDF : 6285.5/57

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



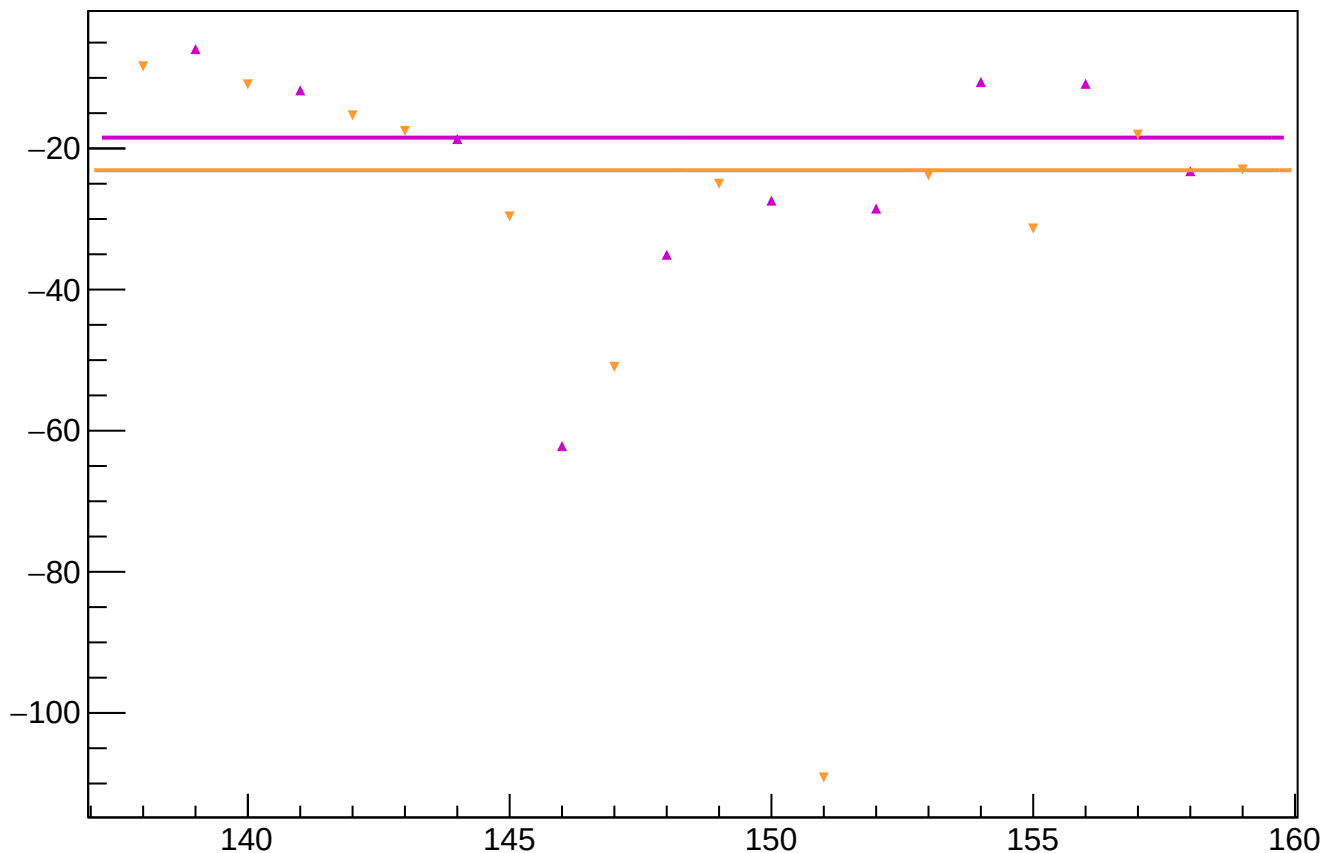
Left: 0.104 ± 0.002 $\chi^2/\text{NDF}: 5765.3/21$
 Right: 0.207 ± 0.003 $\chi^2/\text{NDF}: 1719.2/35$

Right In: 0.200 ± 0.004 $\chi^2/\text{NDF}: 662.5/16$
 Left Out: 0.139 ± 0.003 $\chi^2/\text{NDF}: 3562.1/11$
 Right Out: 0.213 ± 0.004 $\chi^2/\text{NDF}: 1050.9/18$
 Left In: 0.079 ± 0.002 $\chi^2/\text{NDF}: 1933.1/9$

In: 0.109 ± 0.002 $\chi^2/\text{NDF}: 3246.9/26$
 Out: 0.166 ± 0.002 $\chi^2/\text{NDF}: 4871.5/30$

All: 0.135 ± 0.002 $\chi^2/\text{NDF}: 8476.8/57$

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.088+/-0.076 χ^2/NDF :50367.5/11

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

Left In: -18.467+/-0.068 χ^2/NDF :36525.5/9

Left: -20.524+/-0.051 χ^2/NDF : 88960.4/21

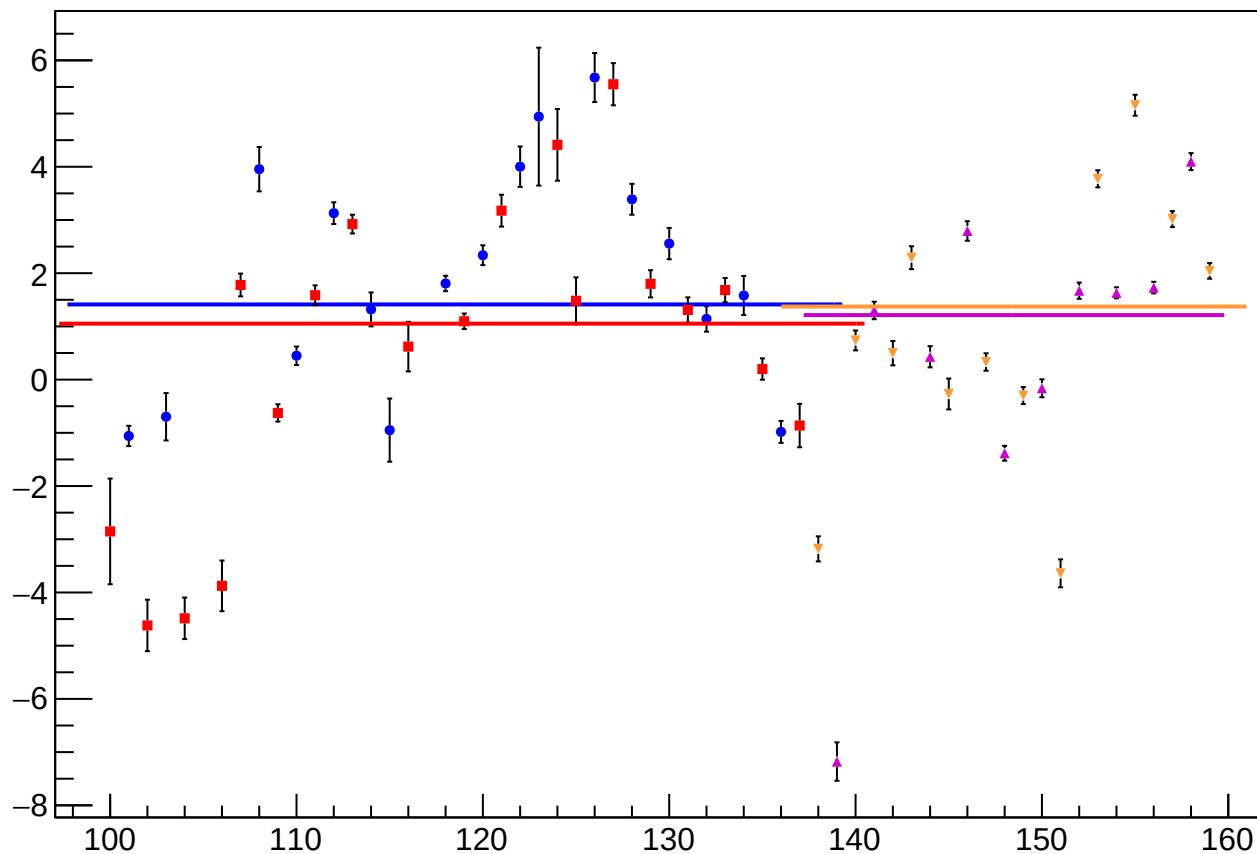
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.467+/-0.068 χ^2/NDF :36525.5/9

Out: -23.088+/-0.076 χ^2/NDF :50367.5/11

All: -20.524+/-0.051 χ^2/NDF : 88960.4/21

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.413 $\pm$ 0.061 χ^2 /NDF: 713.9/16

Left Out: 1.373 $\pm$ 0.054 χ^2 /NDF:1696.2/11

Right Out: 1.052 $\pm$ 0.058 χ^2 /NDF: 963.3/18

Left In: 1.213 $\pm$ 0.047 χ^2 /NDF:1418.1/9

Left: 1.283 $\pm$ 0.036 χ^2 /NDF: 3119.3/21

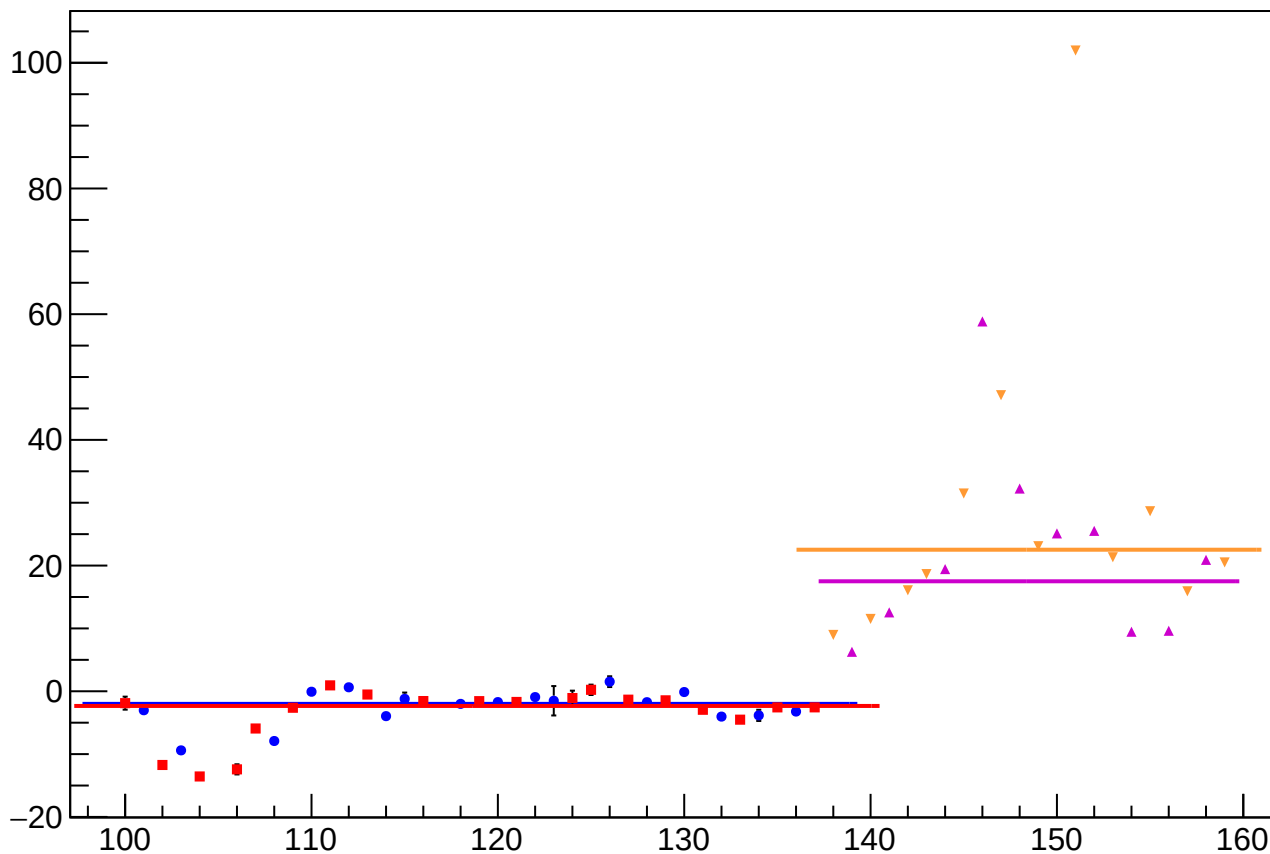
Right: 1.223 $\pm$ 0.042 χ^2 /NDF: 1695.5/35

In: 1.288 $\pm$ 0.037 χ^2 /NDF:2138.6/26

Out: 1.225 $\pm$ 0.039 χ^2 /NDF:2676.0/30

All: 1.258 $\pm$ 0.027 χ^2 /NDF: 4816.0/57

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: 22.522 ± 0.074 χ^2/NDF : 45599.4/11

Right Out: -2.336 ± 0.099 χ^2/NDF : 901.2/18

Left In: 17.499 ± 0.065 χ^2/NDF : 34312.0/9

Left: 19.692 ± 0.049 χ^2/NDF : 82495.8/21

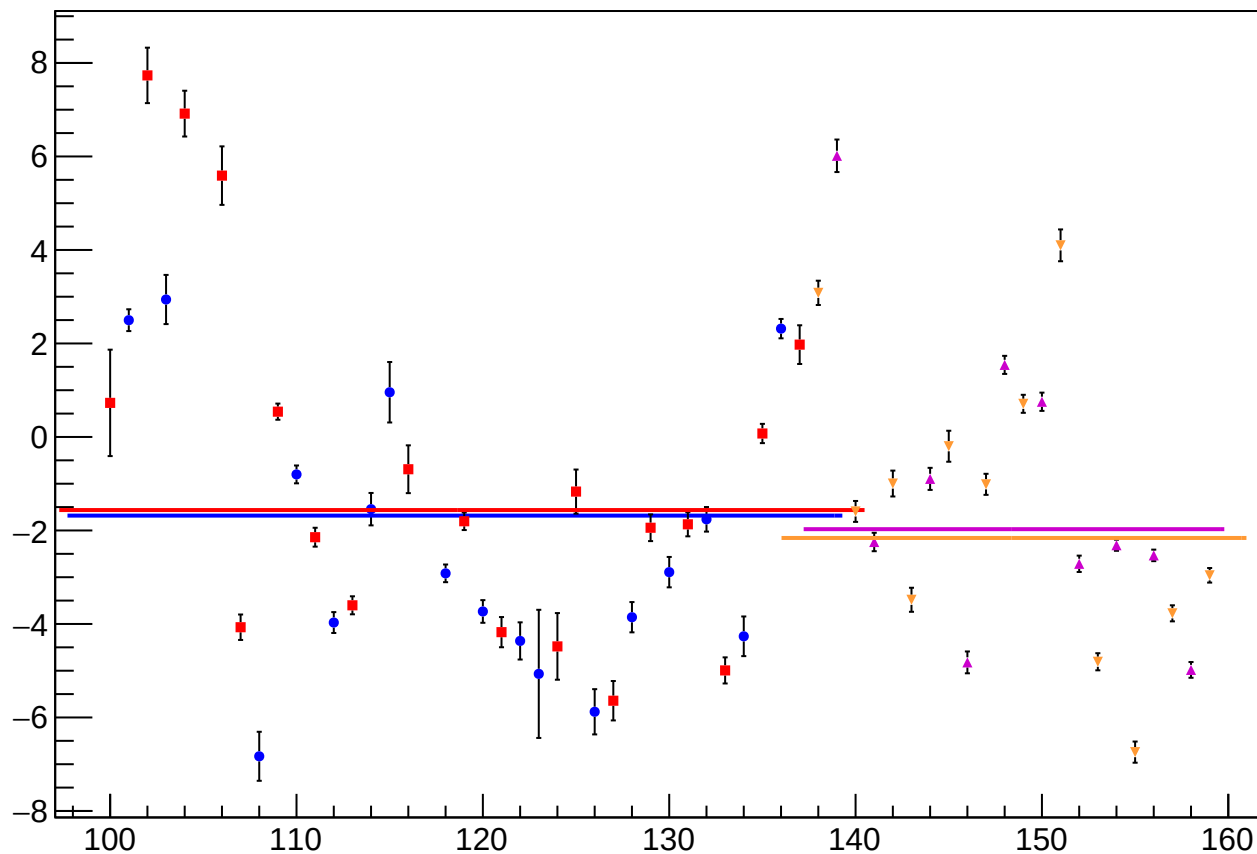
Right: -2.190 ± 0.074 χ^2/NDF : 1369.4/35

In: 12.460 ± 0.056 χ^2/NDF : 57833.5/26

Out: 13.576 ± 0.059 χ^2/NDF : 86931.4/30

All: 12.988 ± 0.041 χ^2/NDF : 144951.3/57

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.682 ± 0.070 $\chi^2/\text{NDF}: 1347.8/16$

Left Out: -2.160 ± 0.063 $\chi^2/\text{NDF}: 1811.7/11$

Right Out: -1.563 ± 0.066 $\chi^2/\text{NDF}: 1504.7/18$

Left In: -1.972 ± 0.055 $\chi^2/\text{NDF}: 1590.8/9$

Left: -2.054 ± 0.042 $\chi^2/\text{NDF}: 3407.5/21$

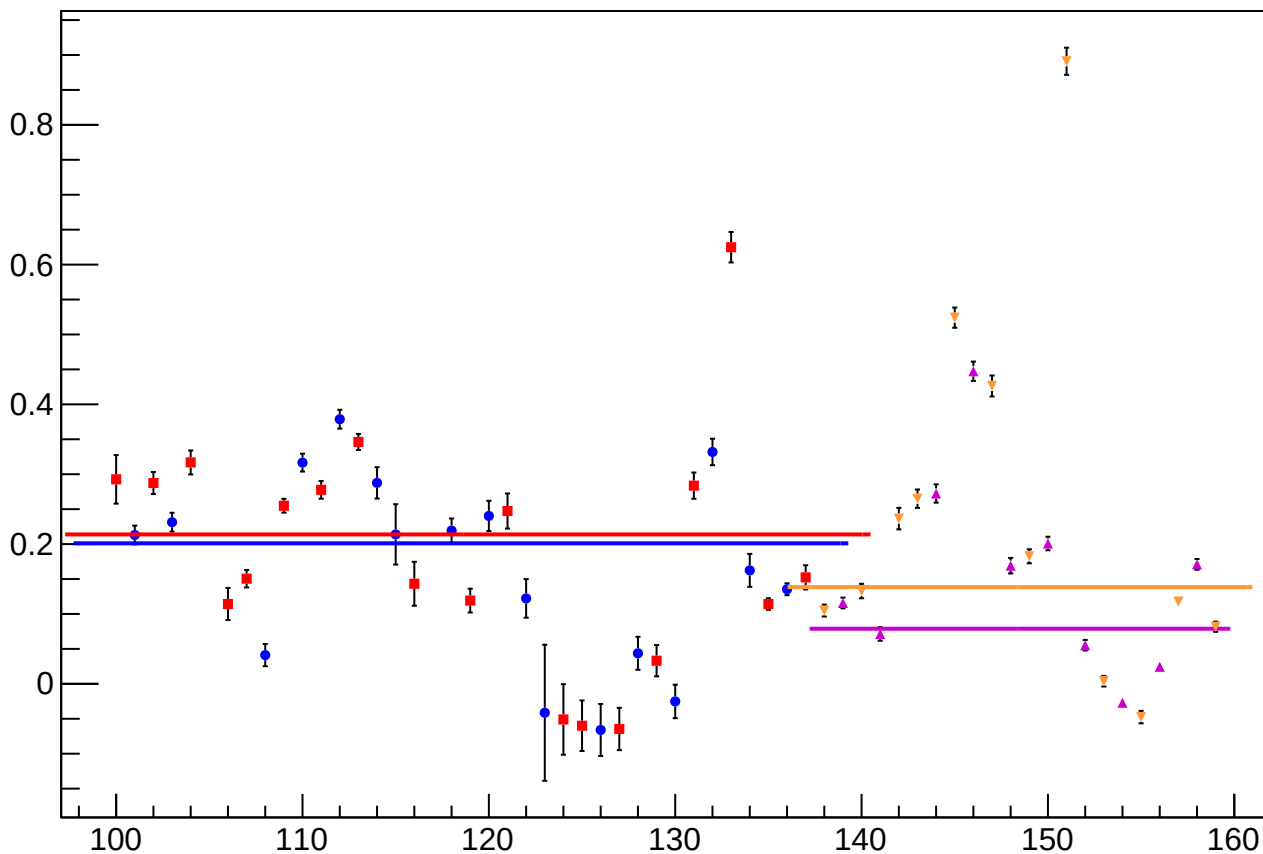
Right: -1.619 ± 0.048 $\chi^2/\text{NDF}: 2854.1/35$

In: -1.861 ± 0.043 $\chi^2/\text{NDF}: 2949.1/26$

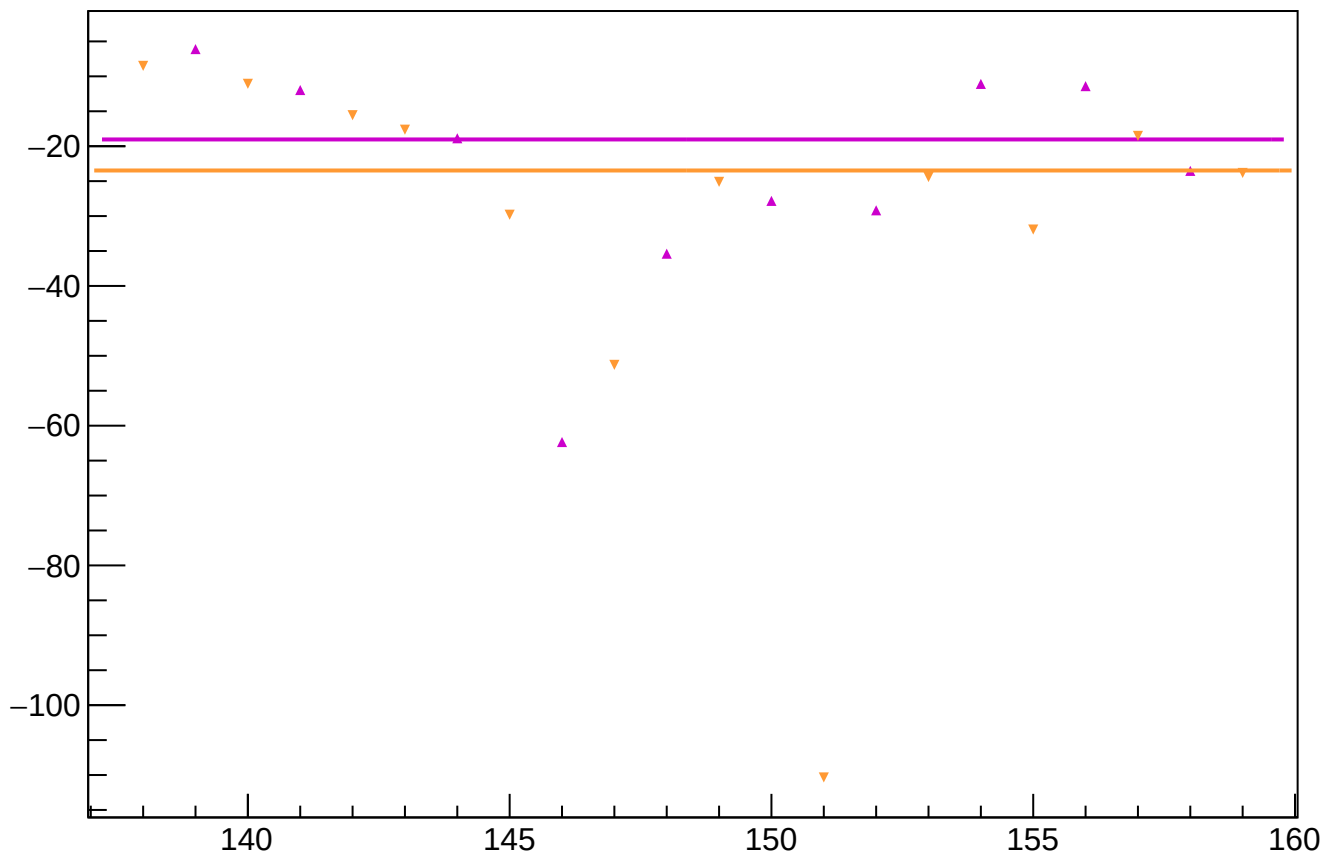
Out: -1.874 ± 0.045 $\chi^2/\text{NDF}: 3359.4/30$

All: -1.867 ± 0.031 $\chi^2/\text{NDF}: 6308.6/57$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.475+/-0.077 χ^2/NDF :50225.4/11

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

Left In: -19.033+/-0.069 χ^2/NDF :35482.1/9

Left: -21.027+/-0.052 χ^2/NDF : 87545.8/21

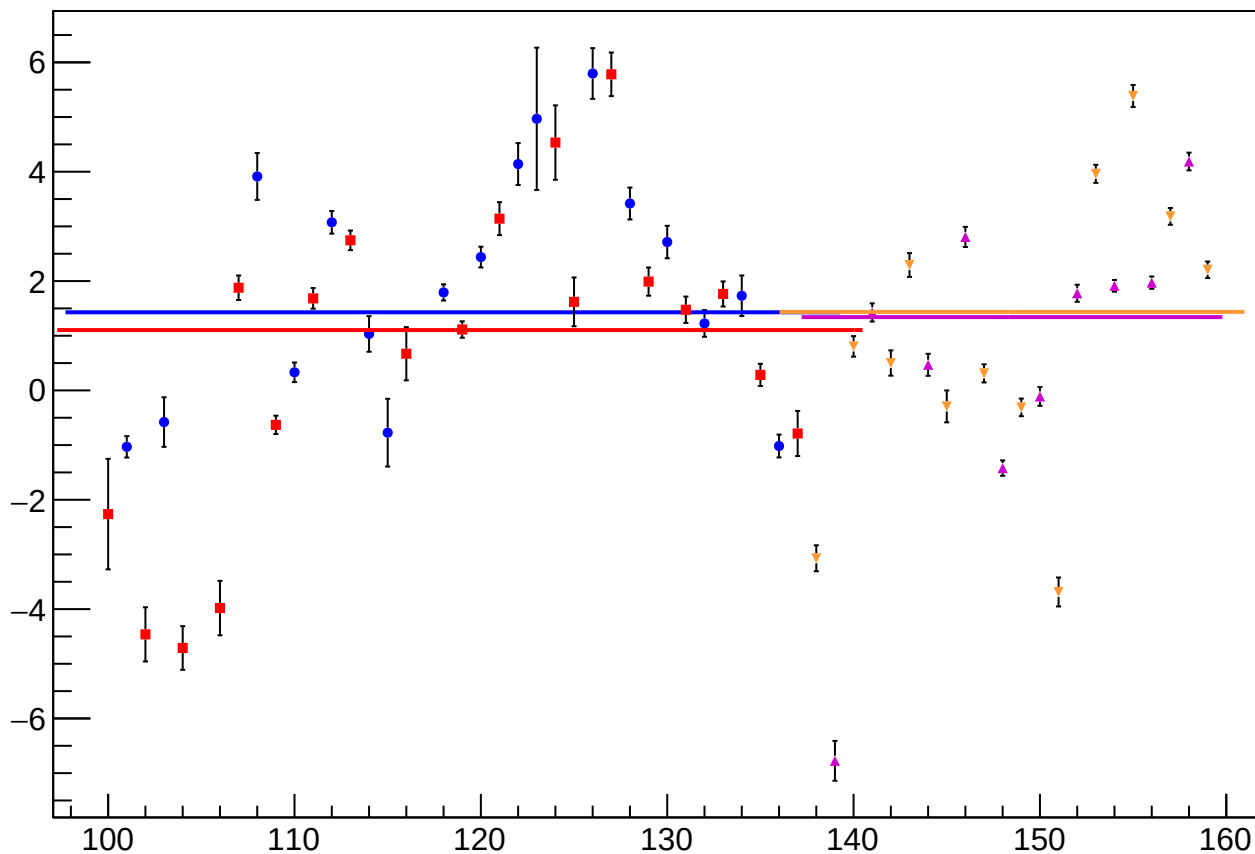
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.033+/-0.069 χ^2/NDF :35482.1/9

Out: -23.475+/-0.077 χ^2/NDF :50225.4/11

All: -21.027+/-0.052 χ^2/NDF : 87545.8/21

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.429 $\pm$ 0.062 χ^2/NDF : 711.4/16

Left Out: 1.436 $\pm$ 0.055 χ^2/NDF :1750.9/11

Right Out: 1.104 $\pm$ 0.059 χ^2/NDF : 936.5/18

Left In: 1.341 $\pm$ 0.048 χ^2/NDF :1411.0/9

Left: 1.383 $\pm$ 0.036 χ^2/NDF : 3163.6/21

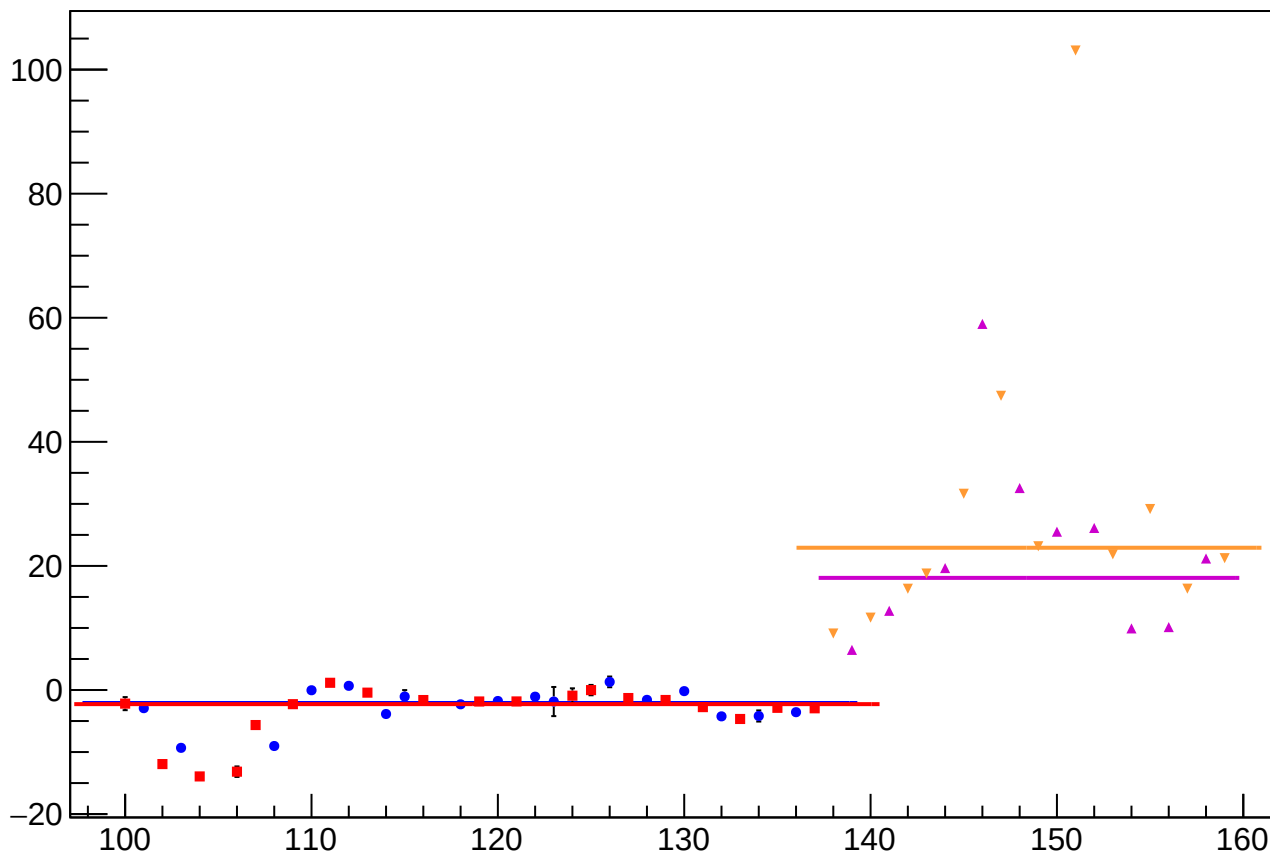
Right: 1.259 $\pm$ 0.043 χ^2/NDF : 1662.3/35

In: 1.374 $\pm$ 0.038 χ^2/NDF :2123.7/26

Out: 1.283 $\pm$ 0.040 χ^2/NDF :2704.4/30

All: 1.331 $\pm$ 0.028 χ^2/NDF : 4830.8/57

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.094 ± 0.113 χ^2/NDF : 486.5/16

Left Out: 22.931 ± 0.075 χ^2/NDF : 45338.8/11

Right Out: -2.278 ± 0.101 χ^2/NDF : 918.6/18

Left In: 18.073 ± 0.067 χ^2/NDF : 33173.5/9

Left: 20.212 ± 0.050 χ^2/NDF : 80835.8/21

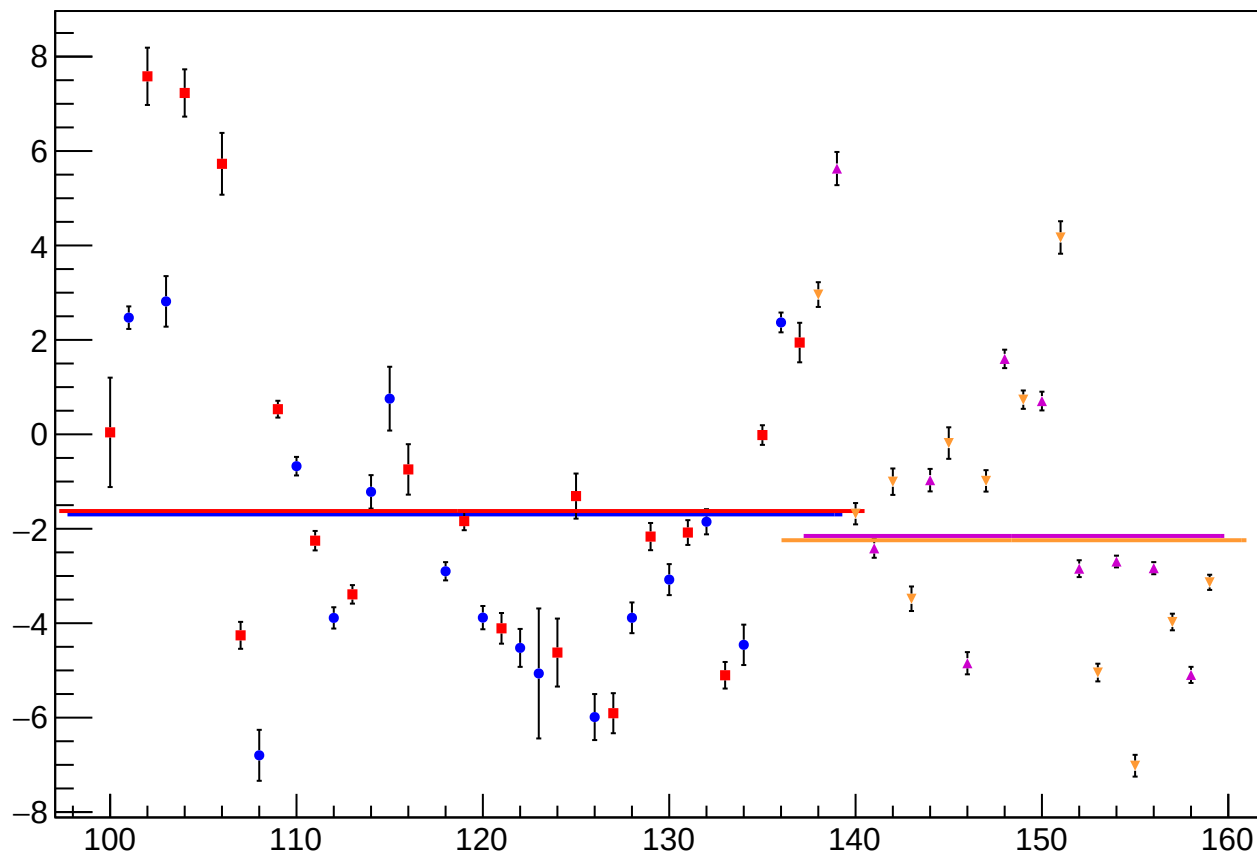
Right: -2.196 ± 0.075 χ^2/NDF : 1406.6/35

In: 12.813 ± 0.057 χ^2/NDF : 57374.8/26

Out: 13.909 ± 0.060 χ^2/NDF : 86252.7/30

All: 13.334 ± 0.042 χ^2/NDF : 143800.3/57

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.696 ± 0.072 χ^2/NDF : 1333.3/16

Left Out: -2.243 ± 0.064 χ^2/NDF : 1873.2/11

Right Out: -1.624 ± 0.067 χ^2/NDF : 1467.3/18

Left In: -2.152 ± 0.057 χ^2/NDF : 1584.6/9

Left: -2.192 ± 0.042 χ^2/NDF : 3458.9/21

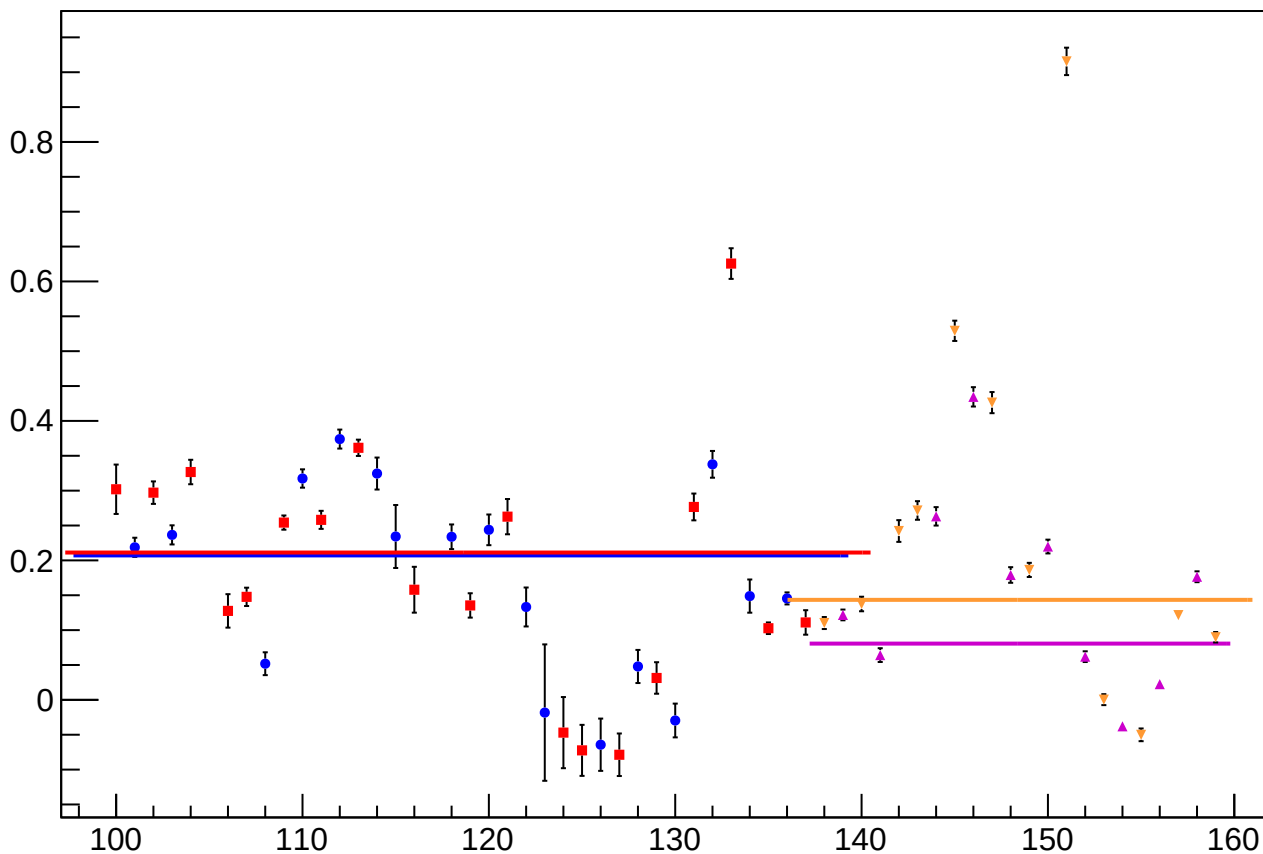
Right: -1.658 ± 0.049 χ^2/NDF : 2801.2/35

In: -1.976 ± 0.044 χ^2/NDF : 2942.9/26

Out: -1.947 ± 0.046 χ^2/NDF : 3385.0/30

All: -1.962 ± 0.032 χ^2/NDF : 6328.1/57

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected

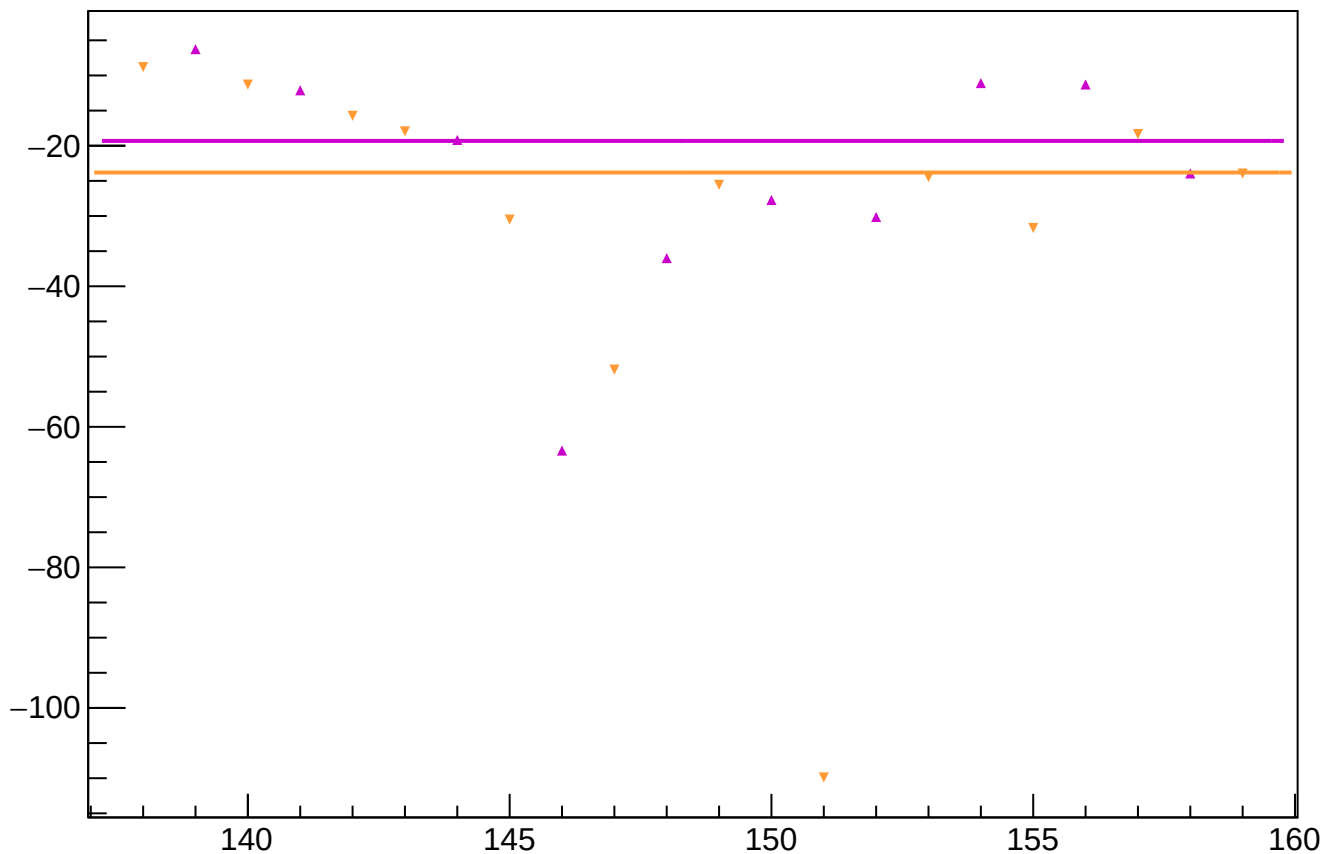


Left: 0.107 $\pm$ 0.002 χ^2/NDF : 5860.6/21
 Right: 0.209 $\pm$ 0.003 χ^2/NDF : 1802.5/35

Right In: 0.207 $\pm$ 0.004 χ^2/NDF : 656.3/16
 Left Out: 0.143 $\pm$ 0.003 χ^2/NDF : 3603.1/11
 Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.7/18
 Left In: 0.081 $\pm$ 0.002 χ^2/NDF : 1978.6/9

In: 0.113 $\pm$ 0.002 χ^2/NDF : 3313.2/26
 Out: 0.168 $\pm$ 0.002 χ^2/NDF : 4955.3/30
 All: 0.138 $\pm$ 0.002 χ^2/NDF : 8591.6/57

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: -23.810+/-0.078 χ^2/NDF :49518.0/11

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

Left In: -19.313+/-0.071 χ^2/NDF :35765.2/9

Left: -21.341+/-0.052 χ^2/NDF : 87109.9/21

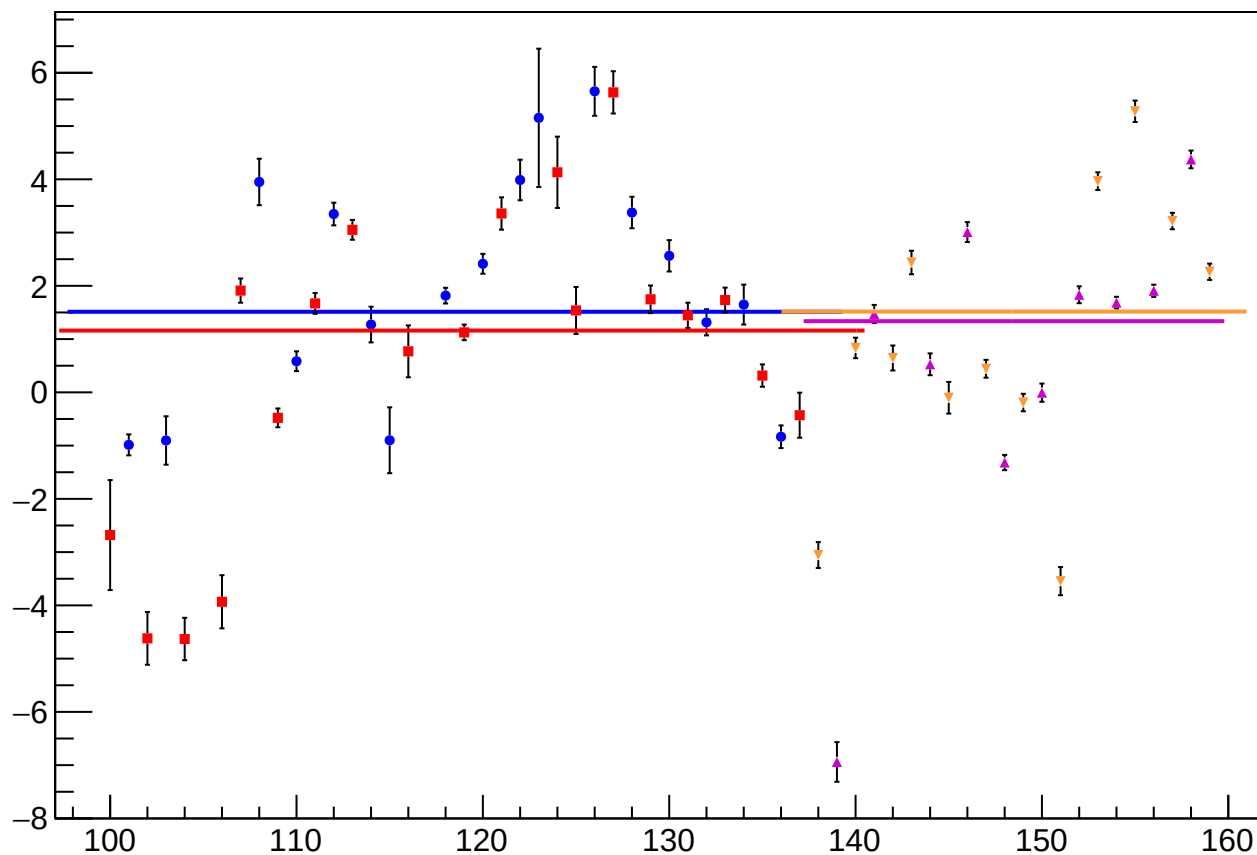
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.313+/-0.071 χ^2/NDF :35765.2/9

Out: -23.810+/-0.078 χ^2/NDF :49518.0/11

All: -21.341+/-0.052 χ^2/NDF : 87109.9/21

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.513 ± 0.063 χ^2/NDF : 669.7/16

Left Out: 1.517 ± 0.055 χ^2/NDF : 1653.9/11

Right Out: 1.160 ± 0.060 χ^2/NDF : 917.0/18

Left In: 1.336 ± 0.049 χ^2/NDF : 1374.1/9

Left: 1.416 ± 0.037 χ^2/NDF : 3034.0/21

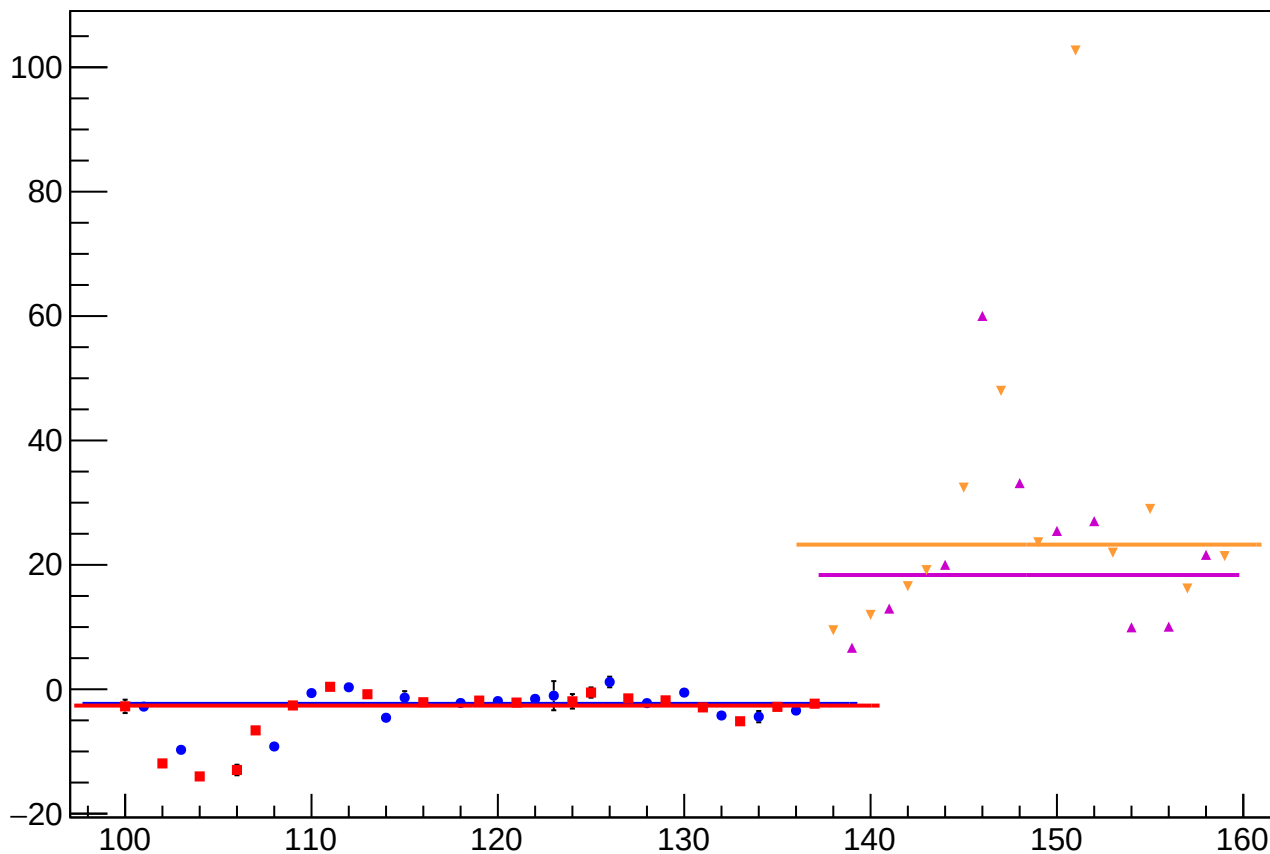
Right: 1.329 ± 0.043 χ^2/NDF : 1603.3/35

In: 1.404 ± 0.039 χ^2/NDF : 2048.7/26

Out: 1.353 ± 0.041 χ^2/NDF : 2590.0/30

All: 1.380 ± 0.028 χ^2/NDF : 4639.6/57

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: 23.257 ± 0.076 χ^2/NDF : 44822.7/11

Right Out: -2.624 ± 0.103 χ^2/NDF : 840.4/18

Left In: 18.370 ± 0.068 χ^2/NDF : 33469.0/9

Left: 20.534 ± 0.051 χ^2/NDF : 80573.6/21

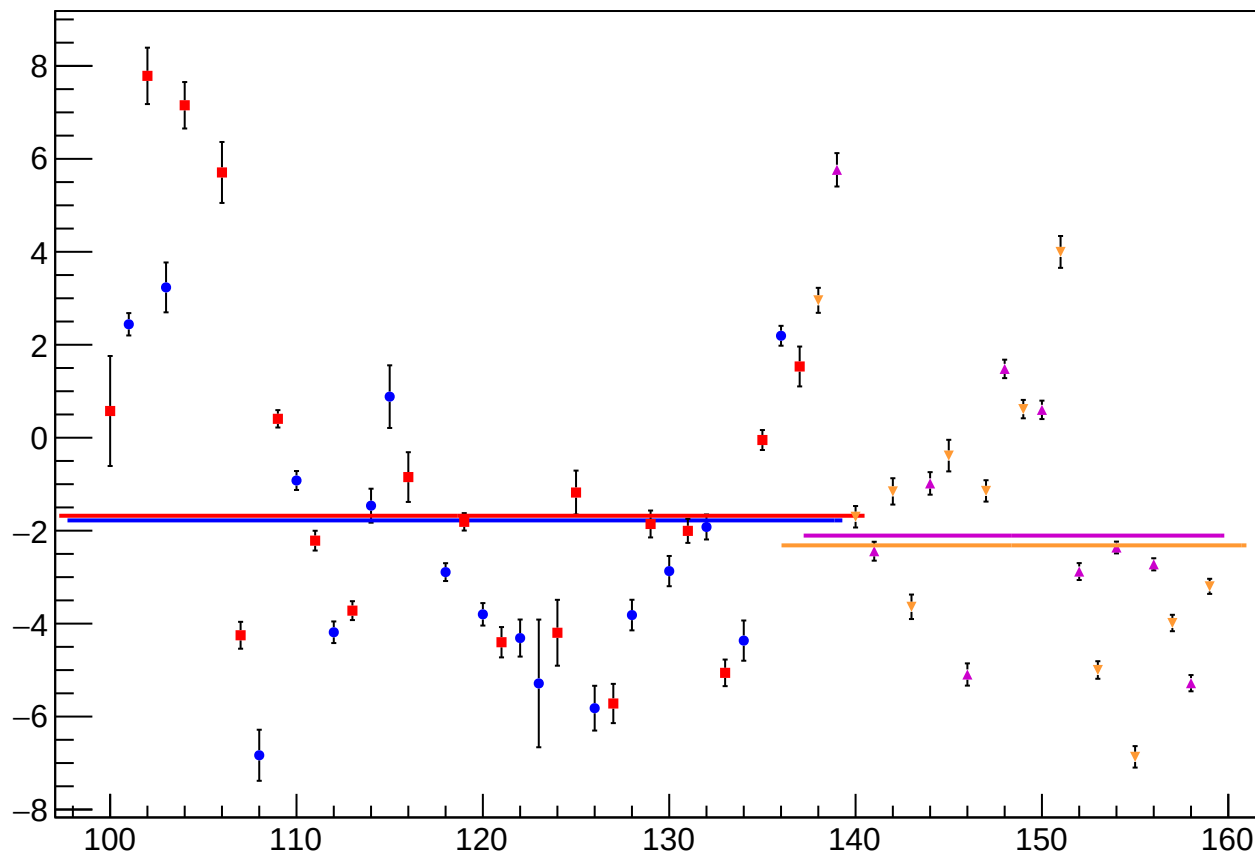
Right: -2.501 ± 0.077 χ^2/NDF : 1283.3/35

In: 12.944 ± 0.058 χ^2/NDF : 58164.2/26

Out: 14.104 ± 0.061 χ^2/NDF : 86288.5/30

All: 13.496 ± 0.042 χ^2/NDF : 144639.9/57

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: -2.316 ± 0.065 χ^2/NDF : 1759.1/11

Right Out: -1.679 ± 0.068 χ^2/NDF : 1429.6/18

Left In: -2.106 ± 0.058 χ^2/NDF : 1547.8/9

Left: -2.199 ± 0.043 χ^2/NDF : 3312.8/21

Right: -1.726 ± 0.050 χ^2/NDF : 2702.6/35

In: -1.979 ± 0.045 χ^2/NDF : 2832.4/26

Out: -2.013 ± 0.047 χ^2/NDF : 3234.7/30

All: -1.995 ± 0.033 χ^2/NDF : 6067.3/57

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected

