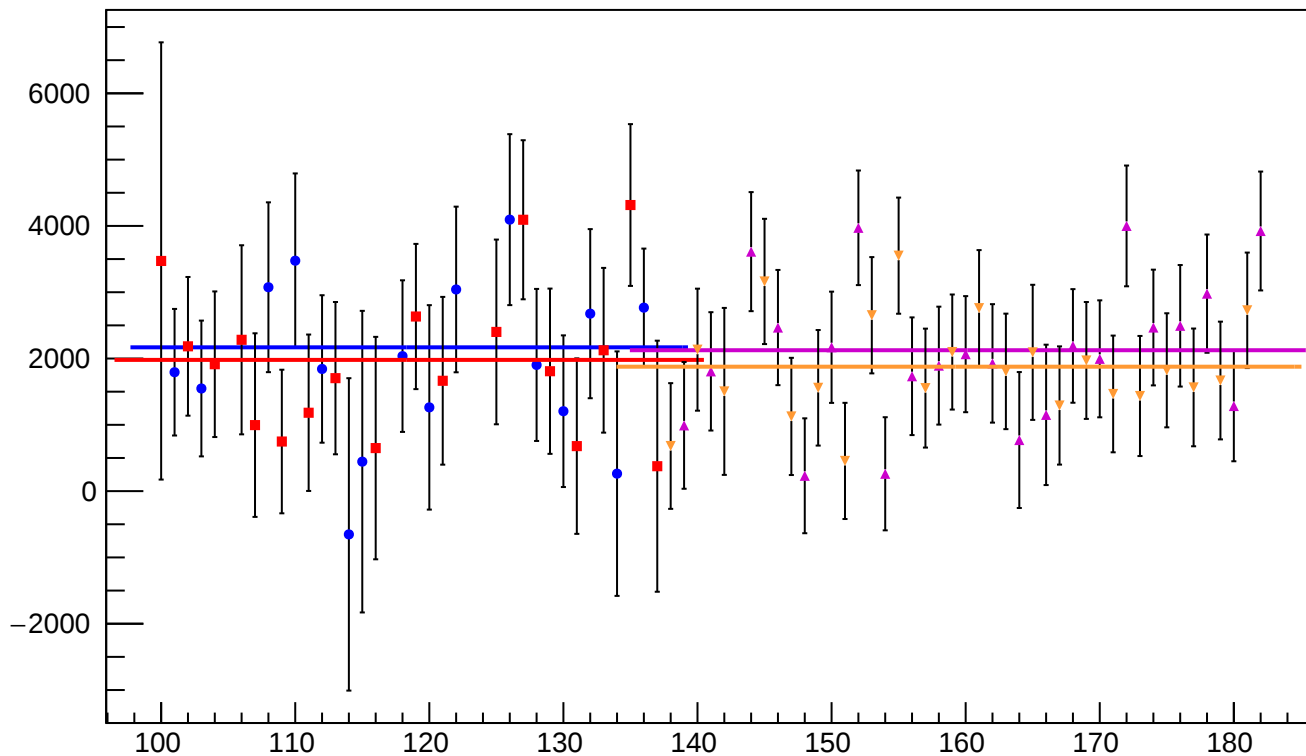


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2168.910+/-308.001

Left Out: 1876.800+/-192.579

Right Out: 1979.368+/-301.309

Left In: 2125.247+/-190.303

χ^2/NDF : 9.6/15

χ^2/NDF :14.8/21

χ^2/NDF : 12.2/17

χ^2/NDF :32.0/21

Left: 2002.500+/-135.362

Right: 2072.057+/-215.384

In: 2137.310+/-161.894

Out: 1906.547+/-162.267

All: 2022.195+/-114.608

χ^2/NDF : 47.7/43

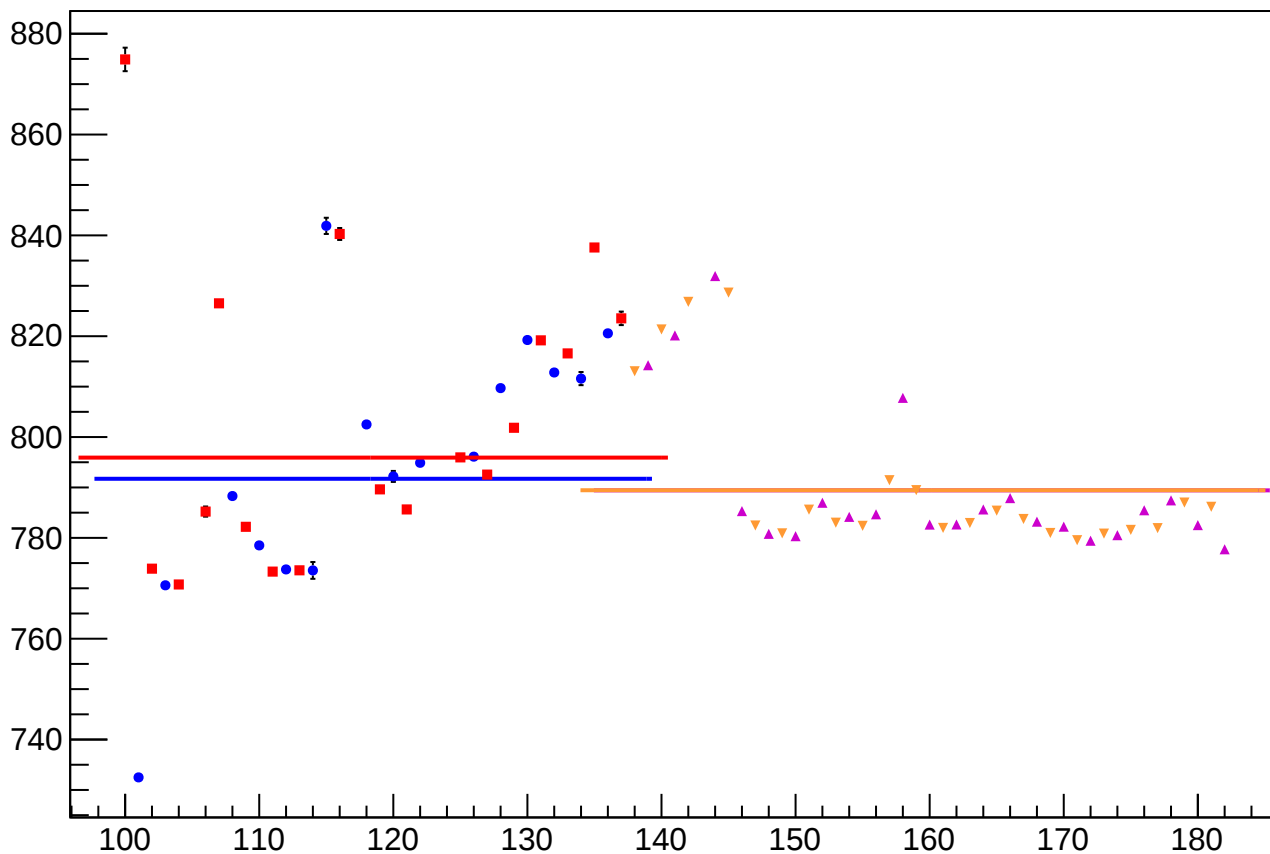
χ^2/NDF : 22.0/33

χ^2/NDF :41.6/37

χ^2/NDF :27.1/39

χ^2/NDF : 69.8/77

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 791.722 $\pm$ 0.218 χ^2 /NDF: 15122.0/15

Left Out: 789.448 $\pm$ 0.136 χ^2 /NDF:10793.9/21

Right Out: 795.921 $\pm$ 0.213 χ^2 /NDF: 11575.2/17

Left In: 789.423 $\pm$ 0.135 χ^2 /NDF:11157.7/21

Left: 789.436 $\pm$ 0.096 χ^2 /NDF: 21951.6/43

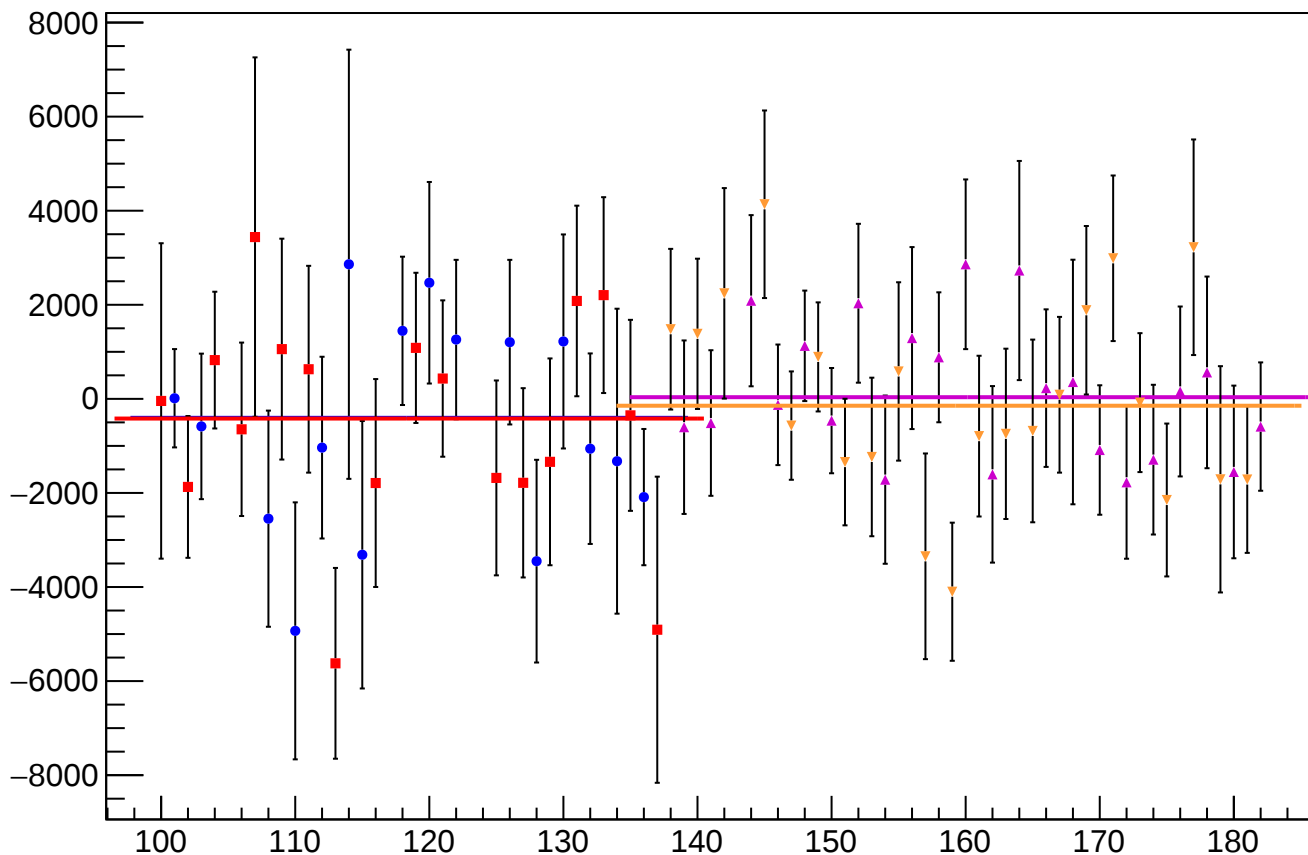
Right: 793.868 $\pm$ 0.152 χ^2 /NDF: 26887.1/33

In: 790.058 $\pm$ 0.114 χ^2 /NDF:26360.3/37

Out: 791.326 $\pm$ 0.115 χ^2 /NDF:23024.4/39

All: 790.691 $\pm$ 0.081 χ^2 /NDF: 49445.8/77

asym_us_avg_correction_mean vs Slug, Sign Corrected



Right In: -403.277 $\pm$ 465.456 χ^2/NDF : 14.5/15

Left Out: -145.978 $\pm$ 352.175 χ^2/NDF : 29.2/21

Right Out: -418.532 $\pm$ 473.834 χ^2/NDF : 17.5/17

Left In: 35.448 $\pm$ 341.719 χ^2/NDF : 14.0/21

Left: -52.532 $\pm$ 245.245 χ^2/NDF : 43.3/43

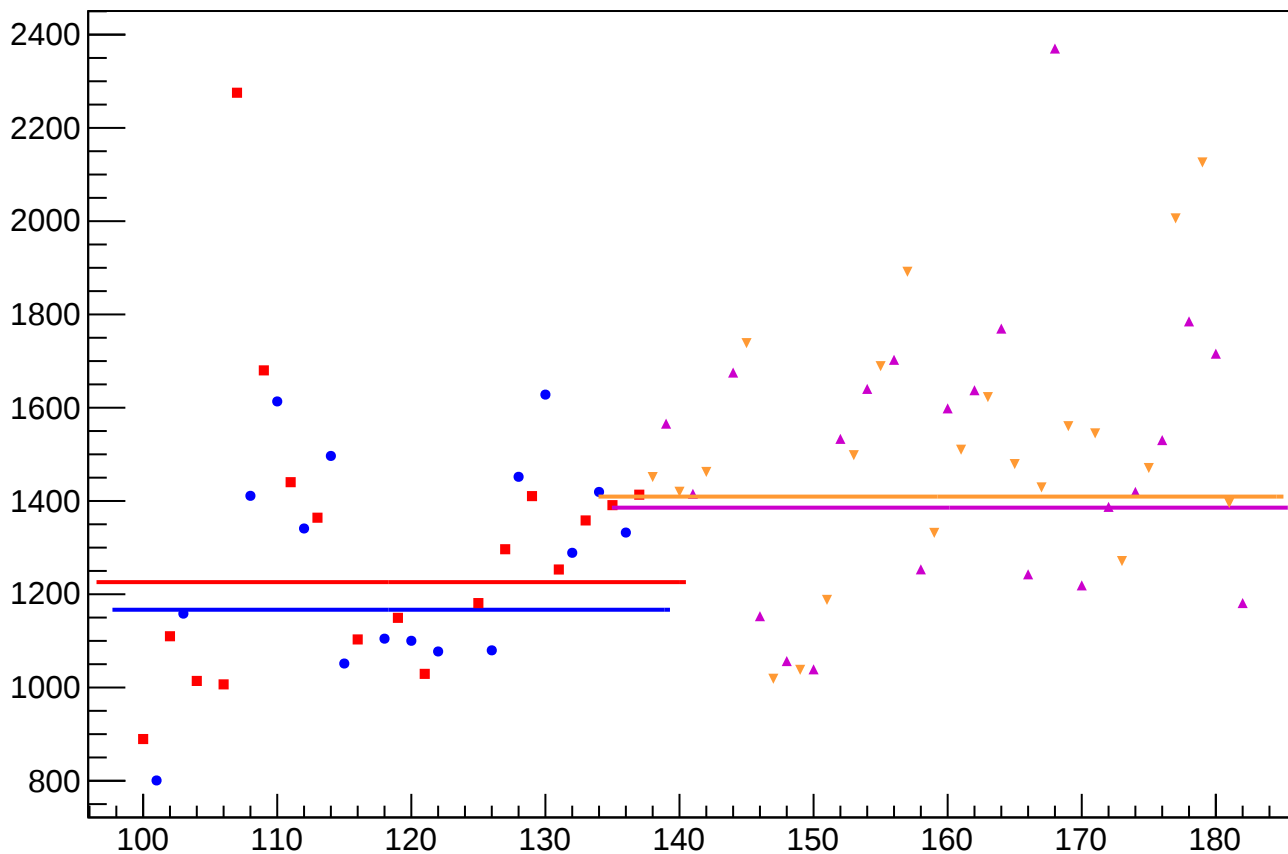
Right: -410.768 $\pm$ 332.049 χ^2/NDF : 32.0/33

In: -118.204 $\pm$ 275.455 χ^2/NDF : 29.0/37

Out: -242.964 $\pm$ 282.654 χ^2/NDF : 46.9/39

All: -178.975 $\pm$ 197.272 χ^2/NDF : 76.0/77

asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 1166.780 $\pm$ 0.329 χ^2 /NDF: 529794.9/15

Left Out: 1409.403 $\pm$ 0.249 χ^2 /NDF: 1095447.5/21

Right Out: 1225.994 $\pm$ 0.335 χ^2 /NDF: 441386.8/17

Left In: 1385.677 $\pm$ 0.242 χ^2 /NDF: 1262447.7/21

Left: 1397.183 $\pm$ 0.173 χ^2 /NDF: 2362570.9/43

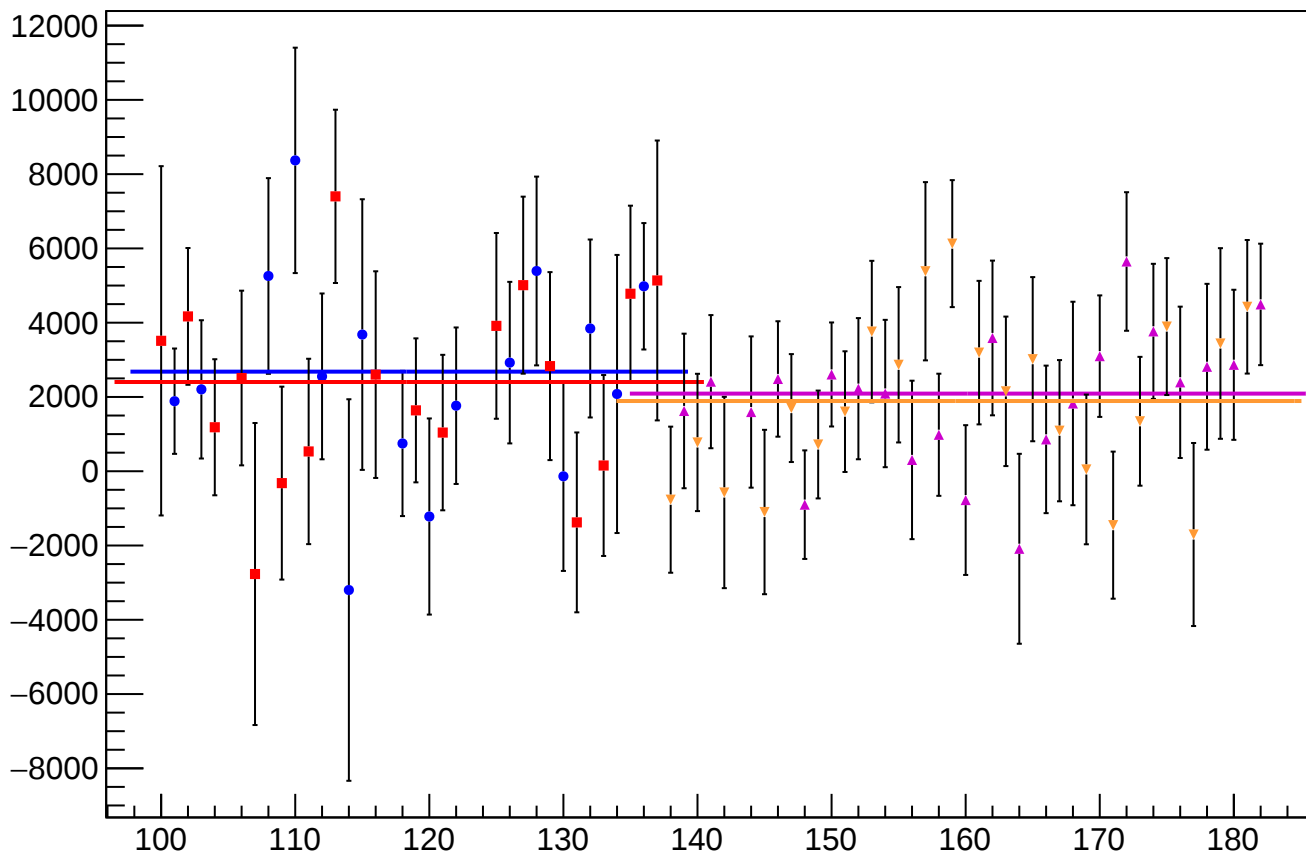
Right: 1195.859 $\pm$ 0.235 χ^2 /NDF: 987077.4/33

In: 1309.014 $\pm$ 0.195 χ^2 /NDF: 2079662.5/37

Out: 1344.139 $\pm$ 0.200 χ^2 /NDF: 1729858.5/39

All: 1326.123 $\pm$ 0.139 χ^2 /NDF: 3825361.8/77

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2681.840 $\pm$ 568.598 χ^2 /NDF: 14.0/15

Left Out: 1890.886 $\pm$ 408.201 χ^2 /NDF:25.4/21

Right Out: 2402.934 $\pm$ 570.326 χ^2 /NDF: 16.3/17

Left In: 2090.283 $\pm$ 397.317 χ^2 /NDF:18.6/21

Left: 1993.278 $\pm$ 284.716 χ^2 /NDF: 44.1/43

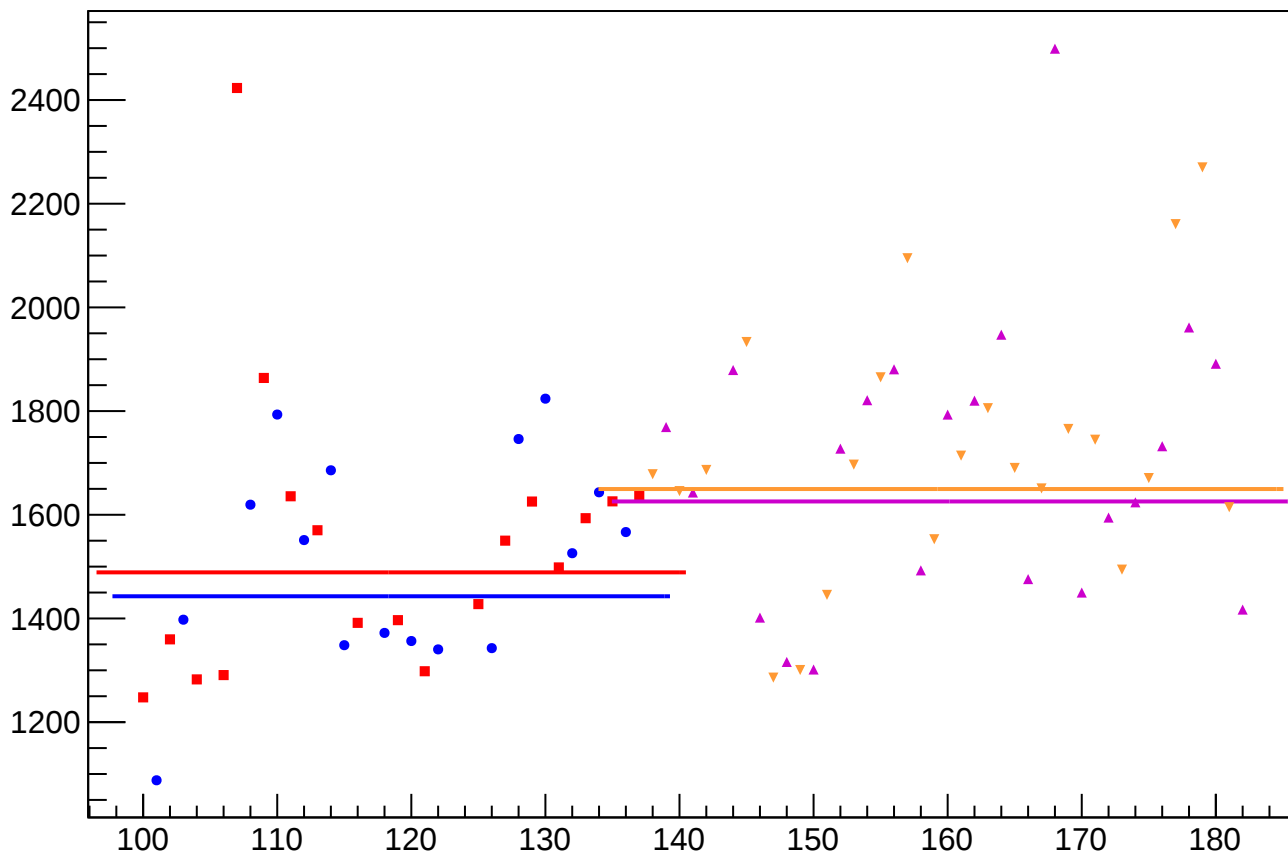
Right: 2542.810 $\pm$ 402.669 χ^2 /NDF: 30.4/33

In: 2284.361 $\pm$ 325.683 χ^2 /NDF:33.4/37

Out: 2064.339 $\pm$ 331.939 χ^2 /NDF:42.2/39

All: 2176.443 $\pm$ 232.473 χ^2 /NDF: 75.8/77

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1442.805 $\pm$ 0.402 χ^2 /NDF: 278289.5/15

Left Out: 1649.654 $\pm$ 0.289 χ^2 /NDF: 649878.3/21

Right Out: 1488.914 $\pm$ 0.403 χ^2 /NDF: 256704.3/17

Left In: 1625.694 $\pm$ 0.281 χ^2 /NDF: 764595.8/21

Left: 1637.350 $\pm$ 0.201 χ^2 /NDF: 1418012.5/43

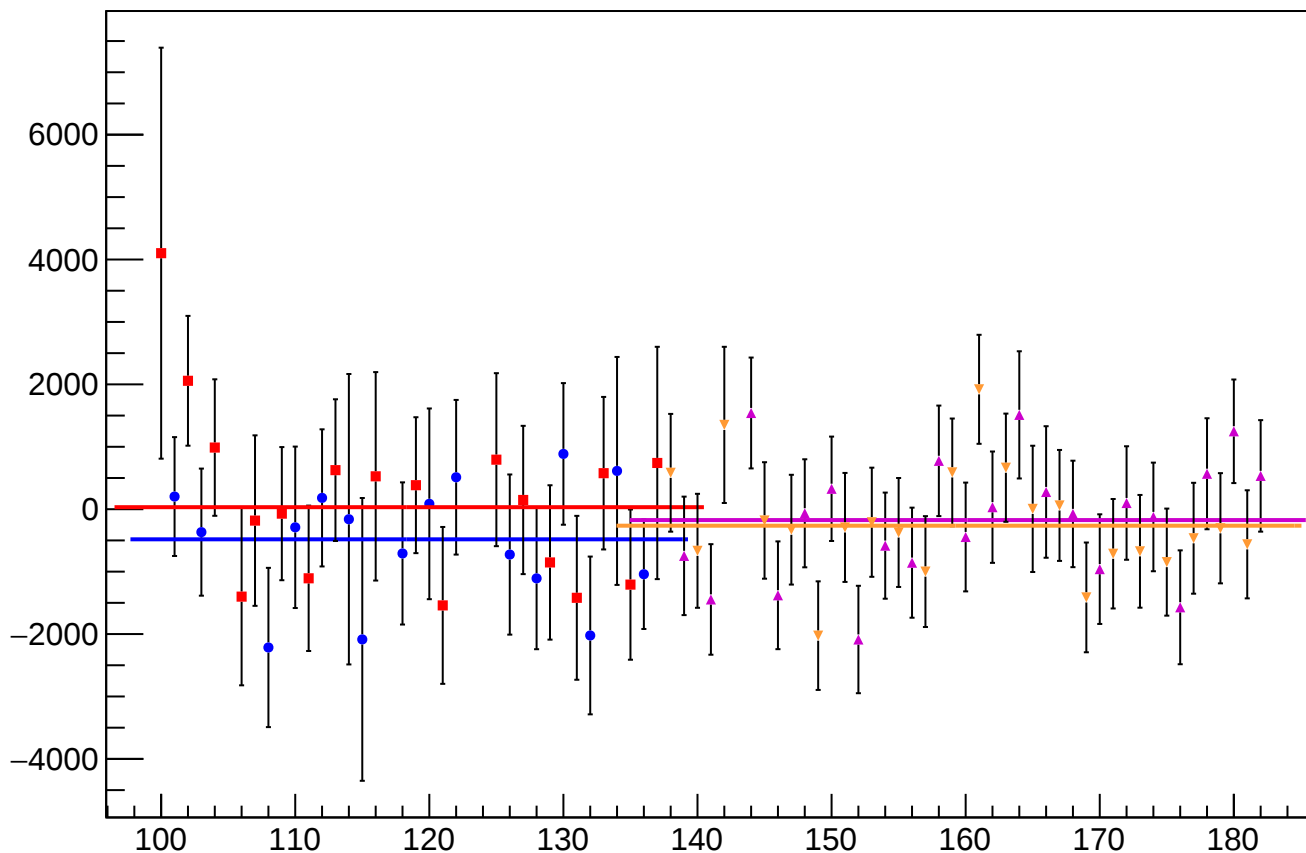
Right: 1465.790 $\pm$ 0.285 χ^2 /NDF: 541549.6/33

In: 1565.692 $\pm$ 0.230 χ^2 /NDF: 1181915.3/37

Out: 1595.204 $\pm$ 0.235 χ^2 /NDF: 1011634.2/39

All: 1580.167 $\pm$ 0.164 χ^2 /NDF: 2201604.8/77

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -482.437 ± 305.341 χ^2/NDF : 8.2/15

Left Out: -264.050 ± 191.662 χ^2/NDF : 18.9/21

Right Out: 32.457 ± 298.450 χ^2/NDF : 13.6/17

Left In: -173.999 ± 189.417 χ^2/NDF : 26.0/21

Left: -218.494 ± 134.725 χ^2/NDF : 45.0/43

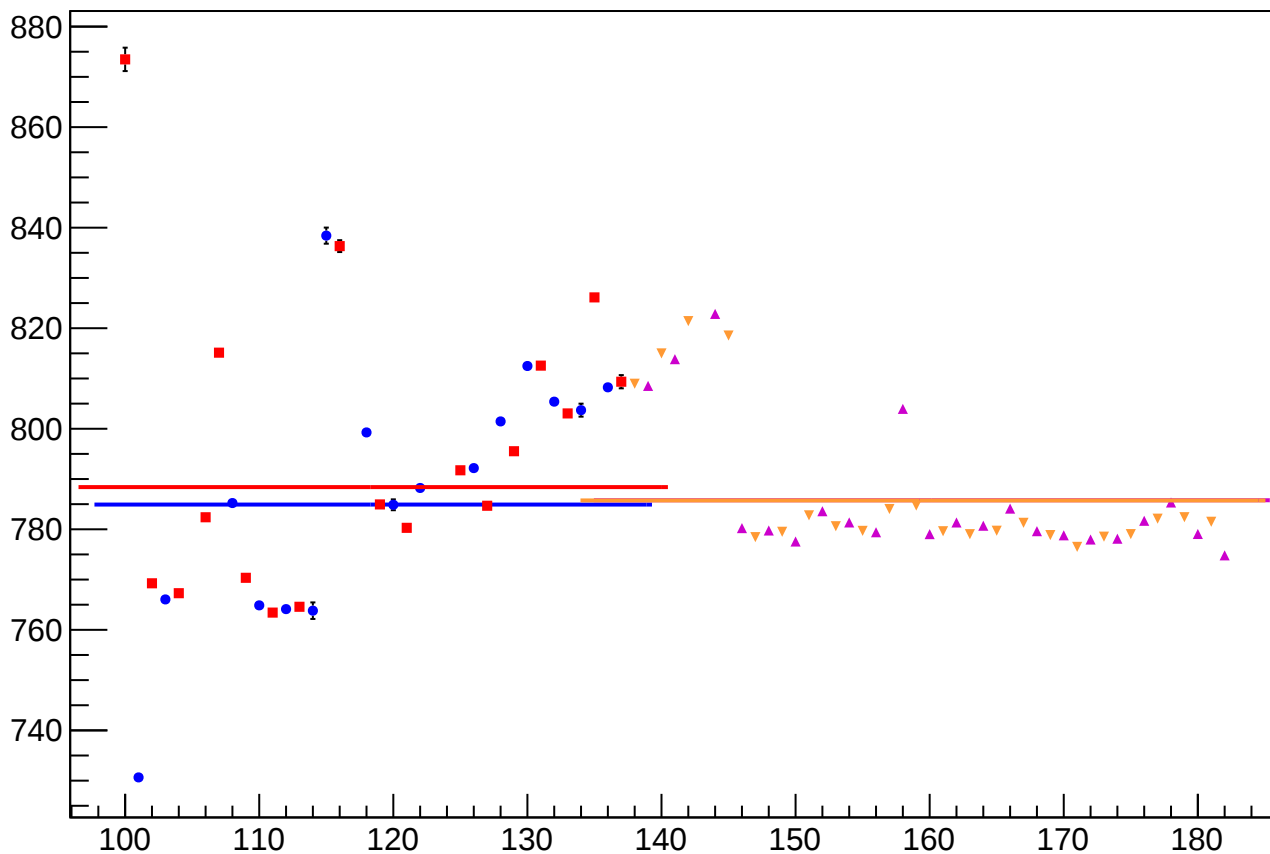
Right: -219.114 ± 213.431 χ^2/NDF : 23.2/33

In: -259.710 ± 160.961 χ^2/NDF : 34.9/37

Out: -177.473 ± 161.271 χ^2/NDF : 33.2/39

All: -218.671 ± 113.926 χ^2/NDF : 68.2/77

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 784.921+/-0.216 χ^2/NDF : 13814.6/15

Left Out: 785.740+/-0.136 χ^2/NDF : 8845.6/21

Right Out: 788.394+/-0.211 χ^2/NDF : 10968.1/17

Left In: 785.779+/-0.134 χ^2/NDF : 9257.4/21

Left: 785.760+/-0.095 χ^2/NDF : 18103.0/43

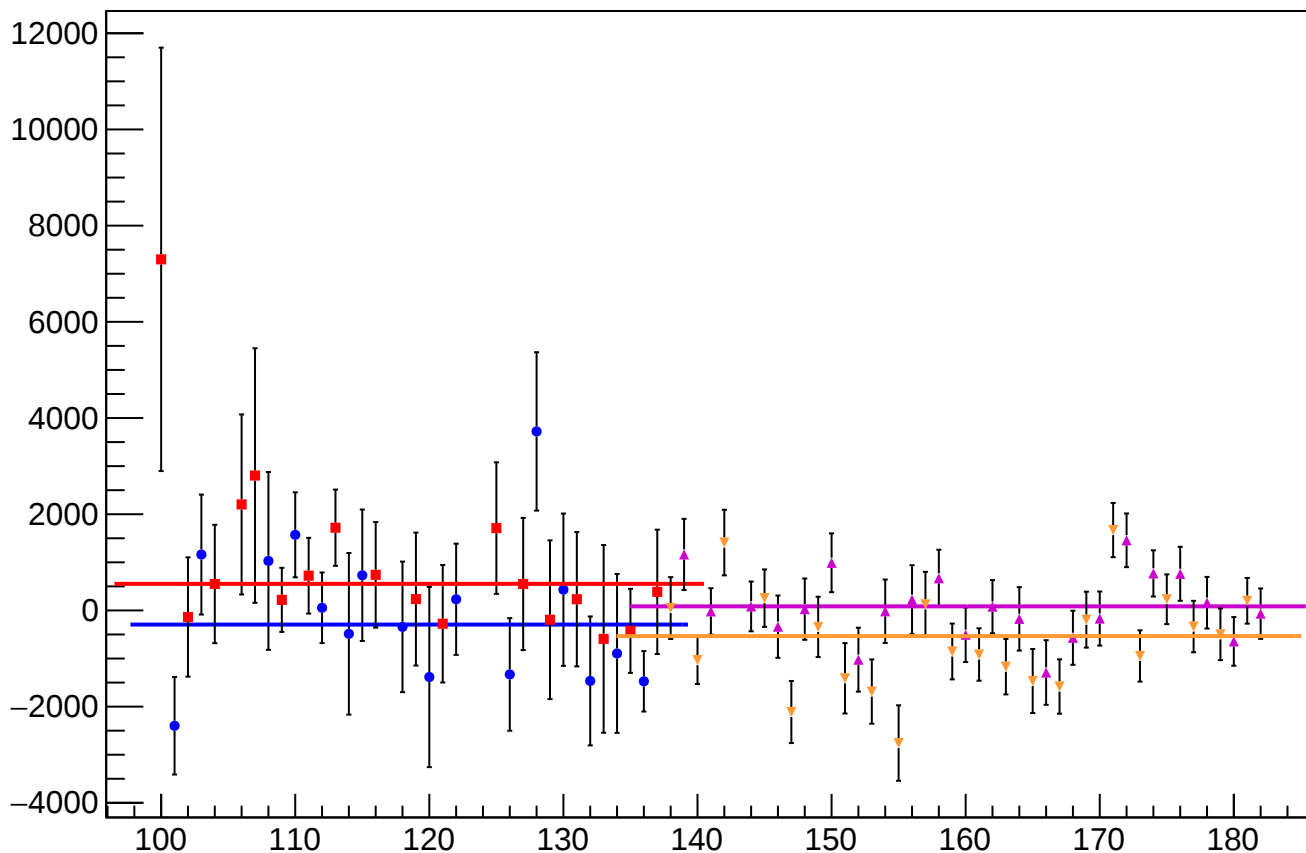
Right: 786.697+/-0.151 χ^2/NDF : 24915.0/33

In: 785.541+/-0.114 χ^2/NDF : 23083.4/37

Out: 786.515+/-0.114 χ^2/NDF : 19925.6/39

All: 786.027+/-0.081 χ^2/NDF : 43045.6/77

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -293.772 ± 283.190 $\chi^2/\text{NDF}: 23.4/15$

Left Out: -533.755 ± 125.231 $\chi^2/\text{NDF}: 59.5/21$

Right Out: 553.206 ± 273.321 $\chi^2/\text{NDF}: 9.8/17$

Left In: 84.549 ± 123.368 $\chi^2/\text{NDF}: 27.3/21$

Left: -219.971 ± 87.885 $\chi^2/\text{NDF}: 99.2/43$

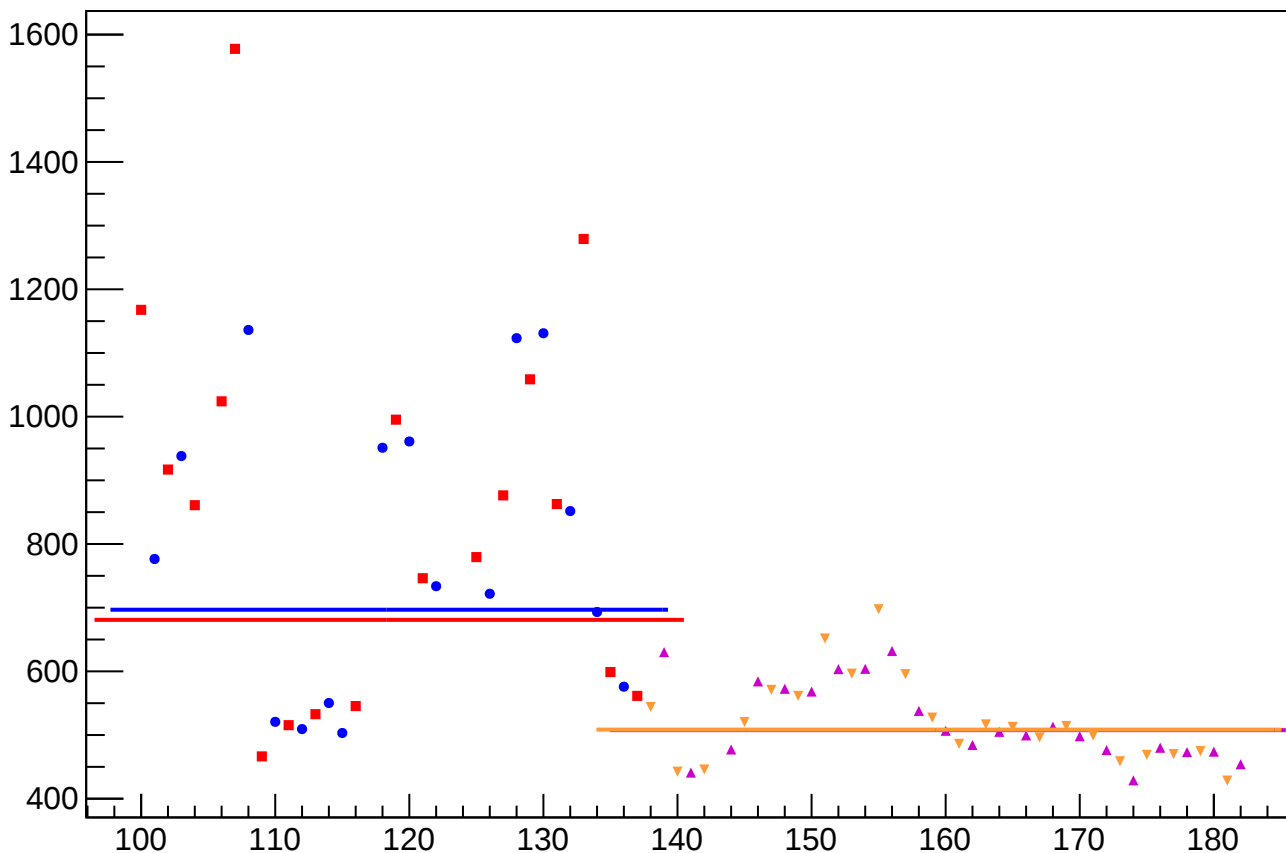
Right: 144.732 ± 196.664 $\chi^2/\text{NDF}: 37.7/33$

In: 24.204 ± 113.102 $\chi^2/\text{NDF}: 52.2/37$

Out: -345.161 ± 113.849 $\chi^2/\text{NDF}: 82.4/39$

All: -159.262 ± 80.238 $\chi^2/\text{NDF}: 139.8/77$

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 696.803 $\pm$ 0.200 χ^2 /NDF: 963973.0/15

Left Out: 508.499 $\pm$ 0.089 χ^2 /NDF: 463986.6/21

Right Out: 680.884 $\pm$ 0.193 χ^2 /NDF: 1353667.8/17

Left In: 507.691 $\pm$ 0.087 χ^2 /NDF: 425711.4/21

Left: 508.089 $\pm$ 0.062 χ^2 /NDF: 889740.3/43

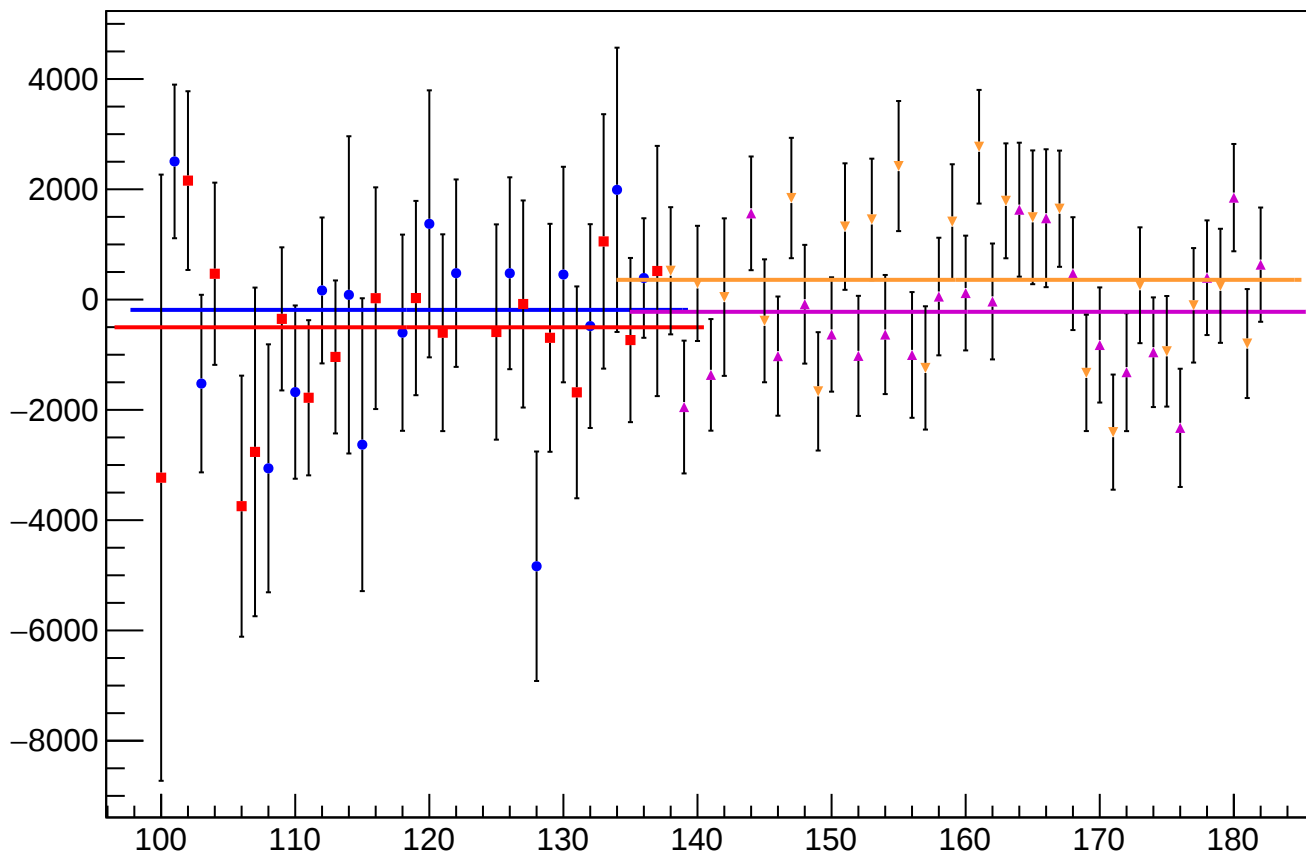
Right: 688.562 $\pm$ 0.139 χ^2 /NDF: 2320912.9/33

In: 537.856 $\pm$ 0.080 χ^2 /NDF: 2139320.5/37

Out: 538.409 $\pm$ 0.081 χ^2 /NDF: 2475196.6/39

All: 538.130 $\pm$ 0.057 χ^2 /NDF: 4614540.8/77

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -186.802 ± 434.855 χ^2/NDF : 14.8/15

Left Out: 358.233 ± 230.987 χ^2/NDF : 36.3/21

Right Out: -502.321 ± 428.043 χ^2/NDF : 8.0/17

Left In: -221.809 ± 227.676 χ^2/NDF : 24.4/21

Left: 64.026 ± 162.149 χ^2/NDF : 63.9/43

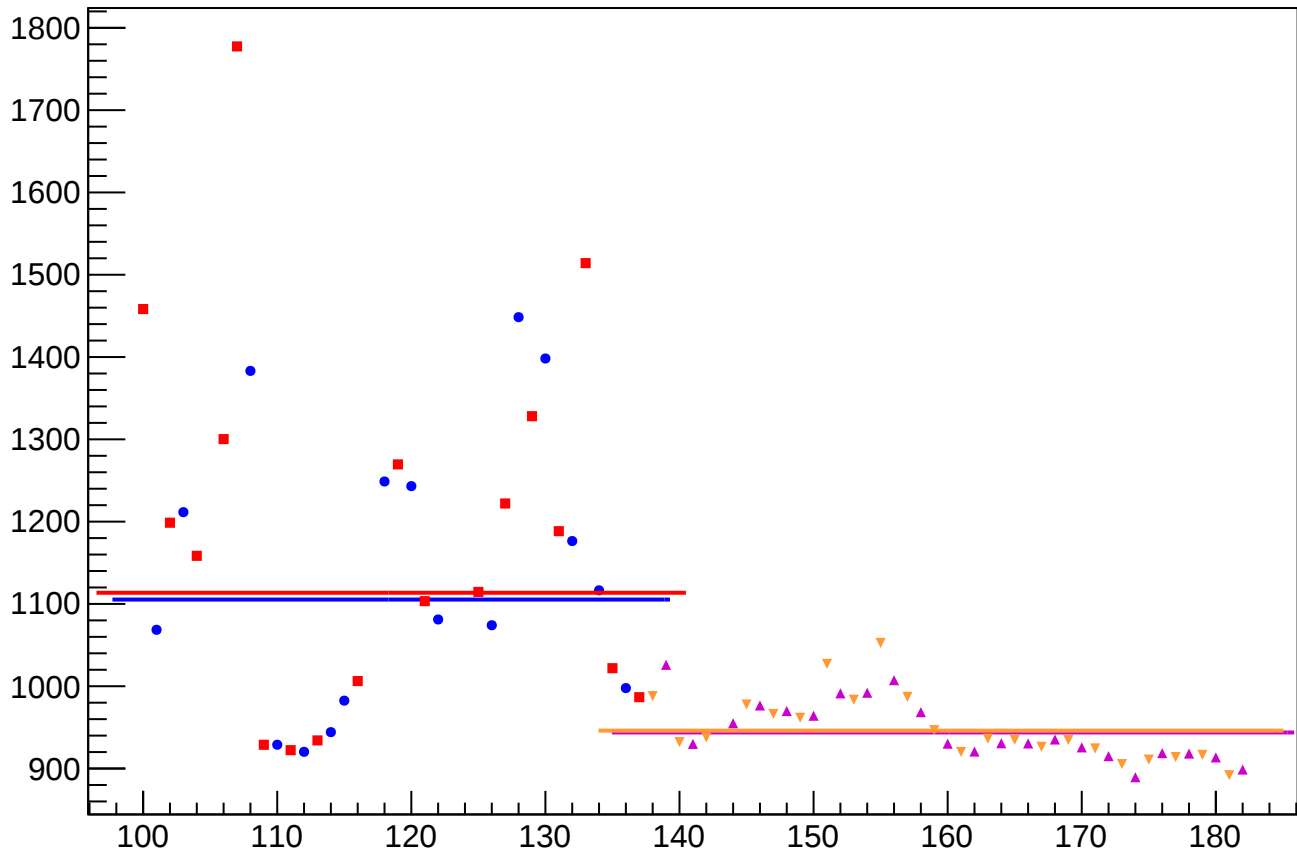
Right: -347.053 ± 305.052 χ^2/NDF : 23.1/33

In: -214.277 ± 201.703 χ^2/NDF : 39.2/37

Out: 164.152 ± 203.277 χ^2/NDF : 47.4/39

All: -26.534 ± 143.179 χ^2/NDF : 88.4/77

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1105.313 $\pm$ 0.307 χ^2 /NDF: 258052.8/15

Left Out: 946.045 $\pm$ 0.163 χ^2 /NDF: 55537.7/21

Right Out: 1113.586 $\pm$ 0.303 χ^2 /NDF: 364341.2/17

Left In: 943.804 $\pm$ 0.161 χ^2 /NDF: 46765.2/21

Left: 944.909 $\pm$ 0.115 χ^2 /NDF: 102398.4/43

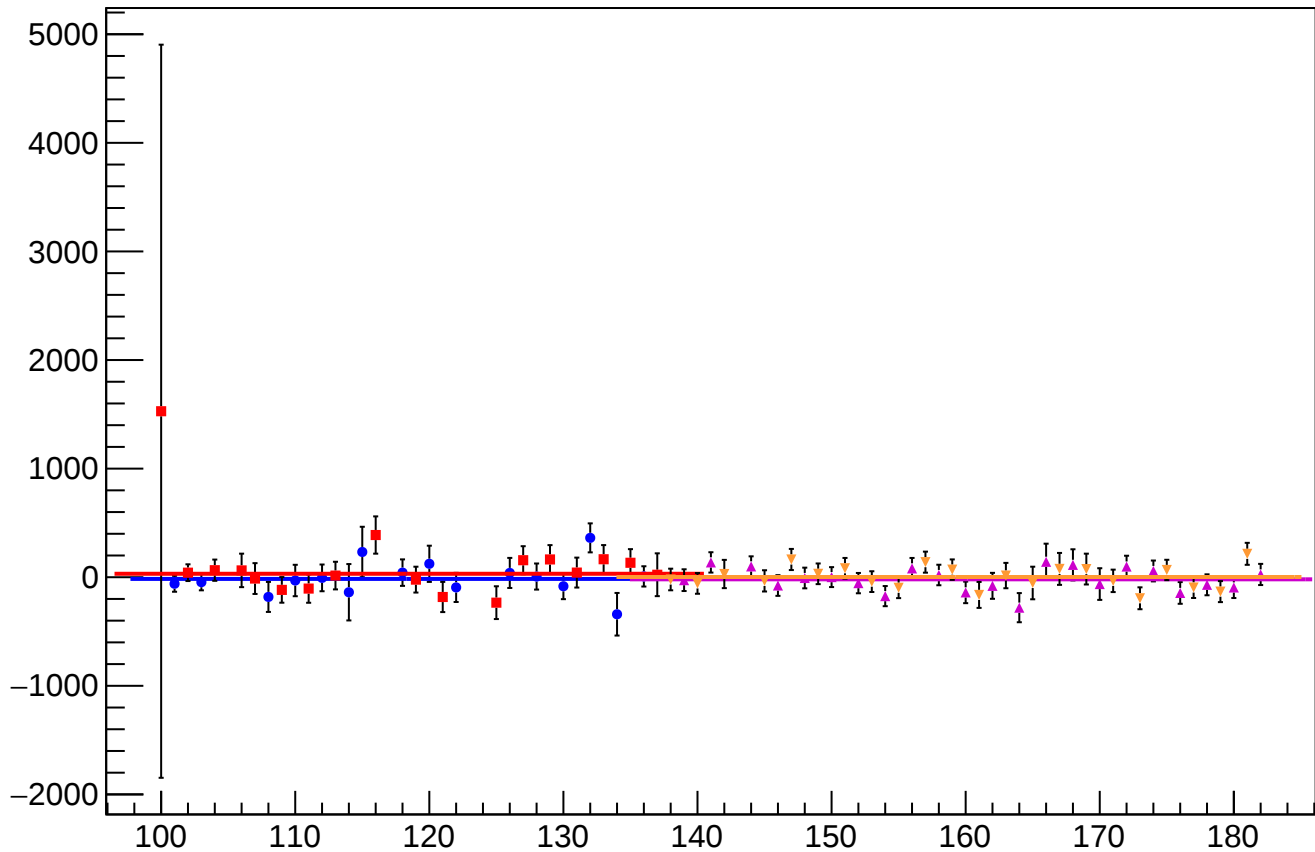
Right: 1109.515 $\pm$ 0.216 χ^2 /NDF: 622761.6/33

In: 978.552 $\pm$ 0.143 χ^2 /NDF: 521348.7/37

Out: 983.831 $\pm$ 0.144 χ^2 /NDF: 657182.3/39

All: 981.171 $\pm$ 0.101 χ^2 /NDF: 1179210.5/77

reg_asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -15.551 ± 30.032 χ^2/NDF : 15.9/15

Left Out: 1.905 ± 22.133 χ^2/NDF : 22.3/21

Right Out: 31.754 ± 30.492 χ^2/NDF : 16.8/17

Left In: -19.393 ± 21.791 χ^2/NDF : 21.1/21

Left: -8.910 ± 15.528 χ^2/NDF : 43.9/43

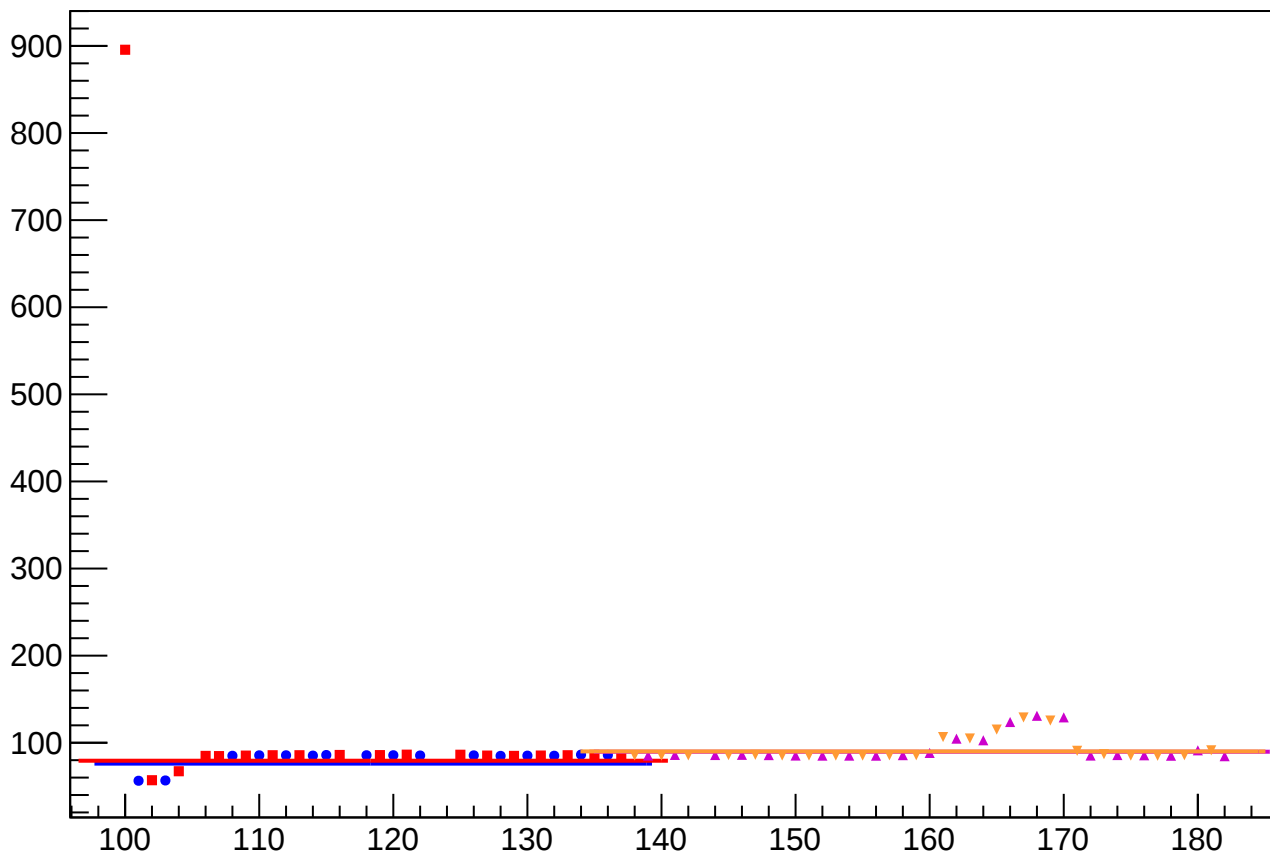
Right: 7.743 ± 21.397 χ^2/NDF : 34.0/33

In: -18.068 ± 17.637 χ^2/NDF : 37.1/37

Out: 12.205 ± 17.912 χ^2/NDF : 39.7/39

All: -3.165 ± 12.567 χ^2/NDF : 78.3/77

reg_asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.053+/-0.021 χ^2/NDF : 408670.6/15

Left Out: 90.060+/-0.016 χ^2/NDF : 456953.6/21

Right Out: 79.371+/-0.022 χ^2/NDF : 378257.4/17

Left In: 89.703+/-0.015 χ^2/NDF : 505943.3/21

Left: 89.879+/-0.011 χ^2/NDF : 963161.2/43

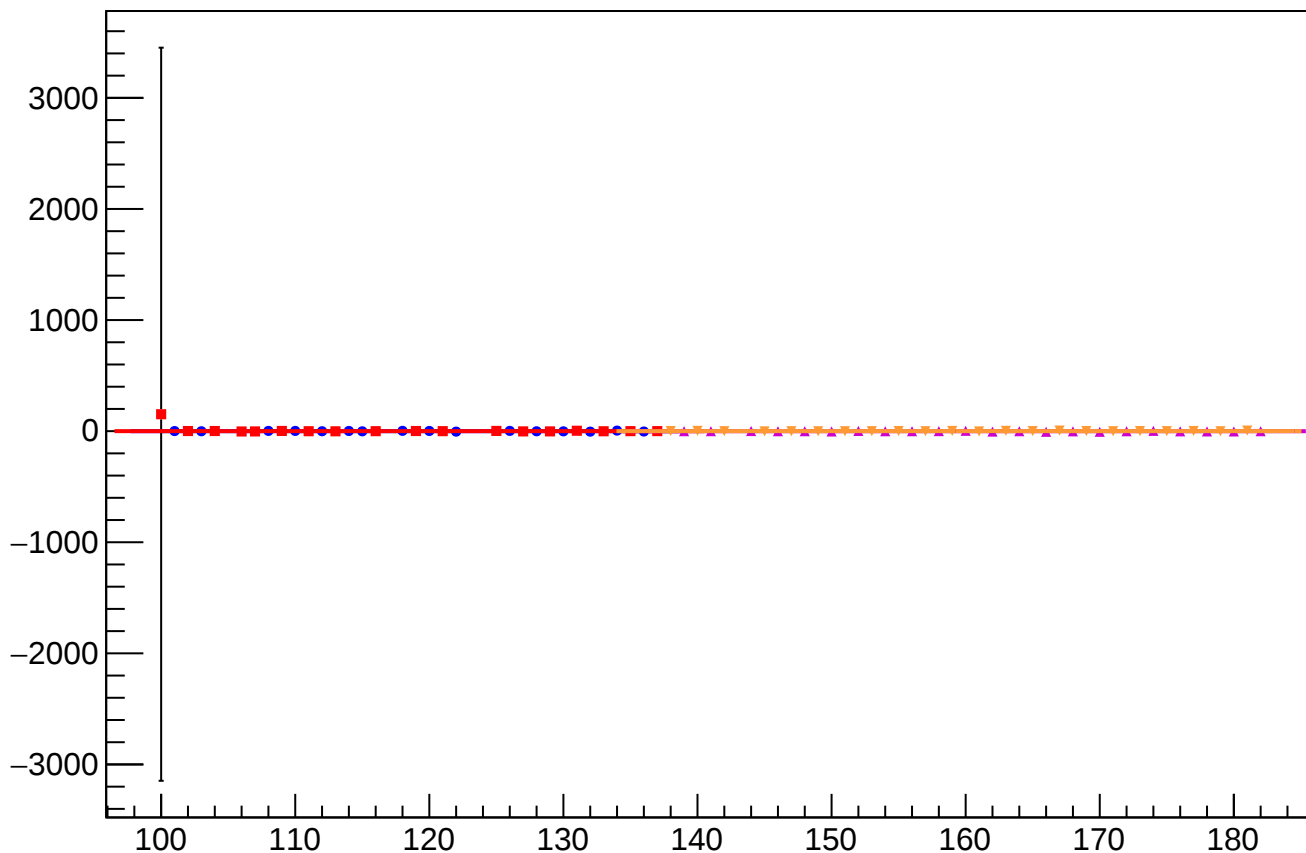
Right: 77.687+/-0.015 χ^2/NDF : 798945.2/33

In: 84.995+/-0.012 χ^2/NDF : 1185256.8/37

Out: 86.371+/-0.013 χ^2/NDF : 996177.7/39

All: 85.673+/-0.009 χ^2/NDF : 2187428.7/77

asym_ds_avg_correction_mean vs Slug, Sign Corrected



Right In: -0.290 ± 0.502 χ^2/NDF : 20.9/15

Left Out: 0.216 ± 0.388 χ^2/NDF : 20.3/21

Right Out: 0.038 ± 0.525 χ^2/NDF : 9.9/17

Left In: -0.532 ± 0.390 χ^2/NDF : 26.3/21

Left: -0.156 ± 0.275 χ^2/NDF : 48.4/43

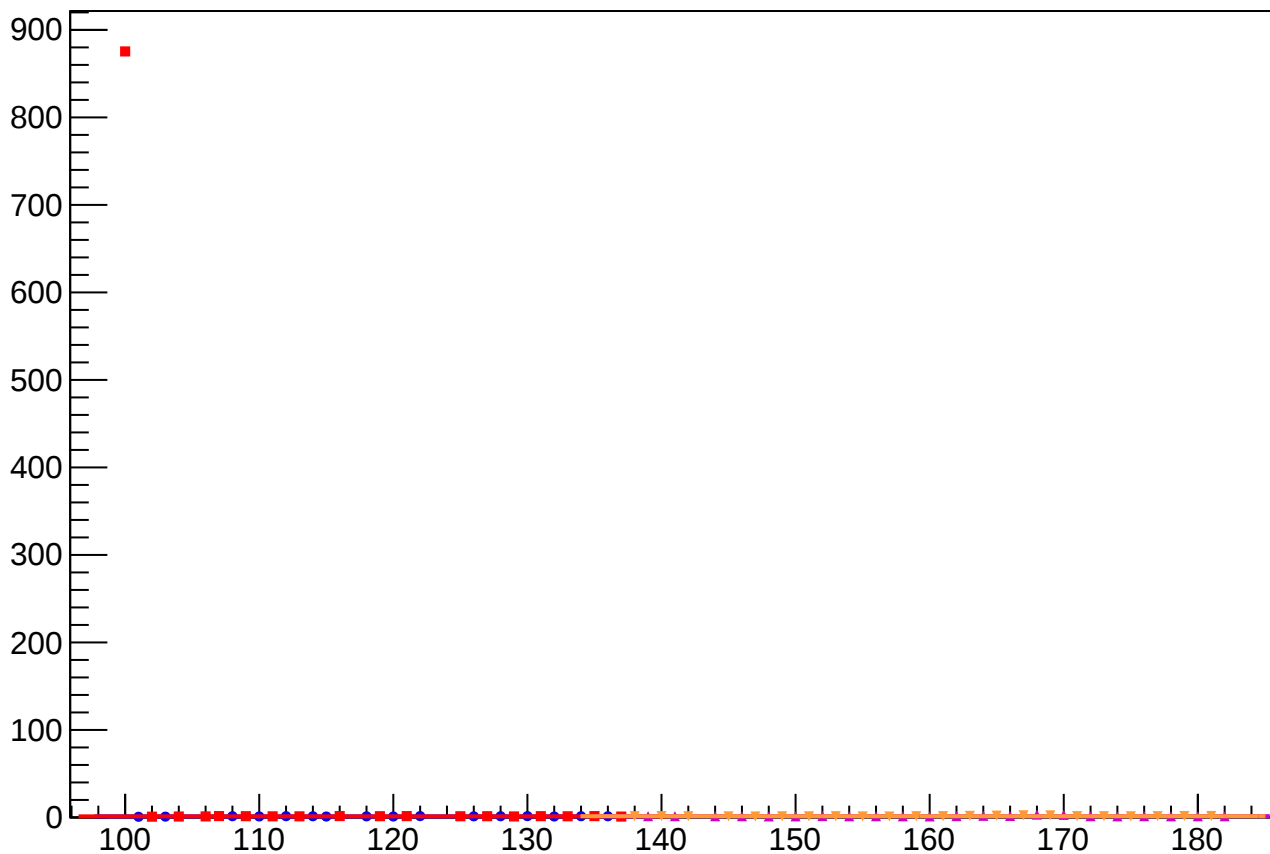
Right: -0.133 ± 0.363 χ^2/NDF : 31.0/33

In: -0.441 ± 0.308 χ^2/NDF : 47.3/37

Out: 0.153 ± 0.312 χ^2/NDF : 30.3/39

All: -0.148 ± 0.219 χ^2/NDF : 79.5/77

asym_ds_avg_correction_rms vs Slug, Sign Corrected



Right In: 1.152 $\pm$ 0.000 χ^2 /NDF: 506239.7/15

Left Out: 1.411 $\pm$ 0.000 χ^2 /NDF: 978795.5/21

Right Out: 1.259 $\pm$ 0.000 χ^2 /NDF: 489381.1/17

Left In: 1.452 $\pm$ 0.000 χ^2 /NDF: 995252.6/21

Left: 1.432 $\pm$ 0.000 χ^2 /NDF: 1985174.0/43

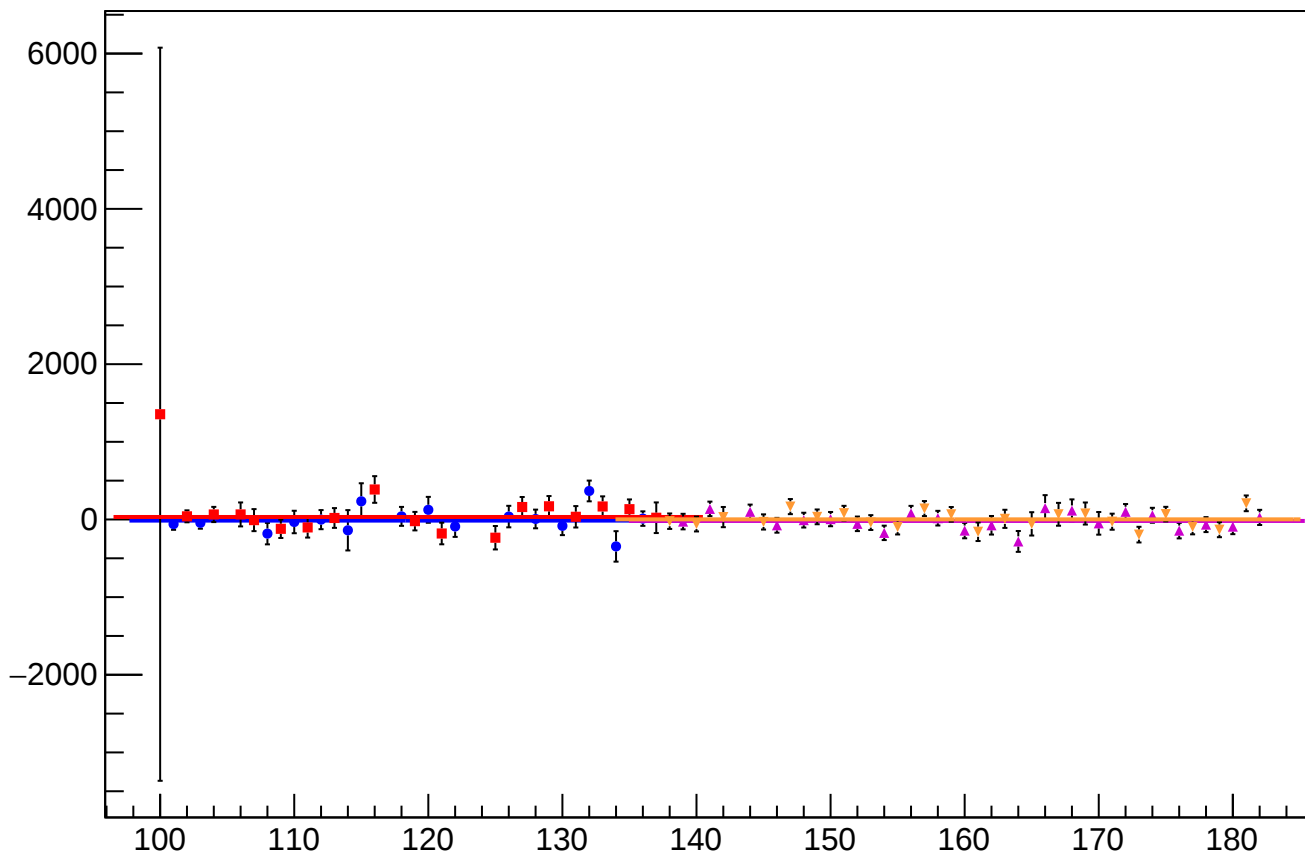
Right: 1.203 $\pm$ 0.000 χ^2 /NDF: 1038995.7/33

In: 1.339 $\pm$ 0.000 χ^2 /NDF: 1947812.1/37

Out: 1.357 $\pm$ 0.000 χ^2 /NDF: 1576860.3/39

All: 1.348 $\pm$ 0.000 χ^2 /NDF: 3528156.2/77

asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -14.487 ± 30.040 χ^2/NDF : 16.2/15

Left Out: 1.537 ± 22.140 χ^2/NDF : 21.9/21

Right Out: 32.033 ± 30.500 χ^2/NDF : 16.8/17

Left In: -18.936 ± 21.798 χ^2/NDF : 21.0/21

Left: -8.859 ± 15.533 χ^2/NDF : 43.3/43

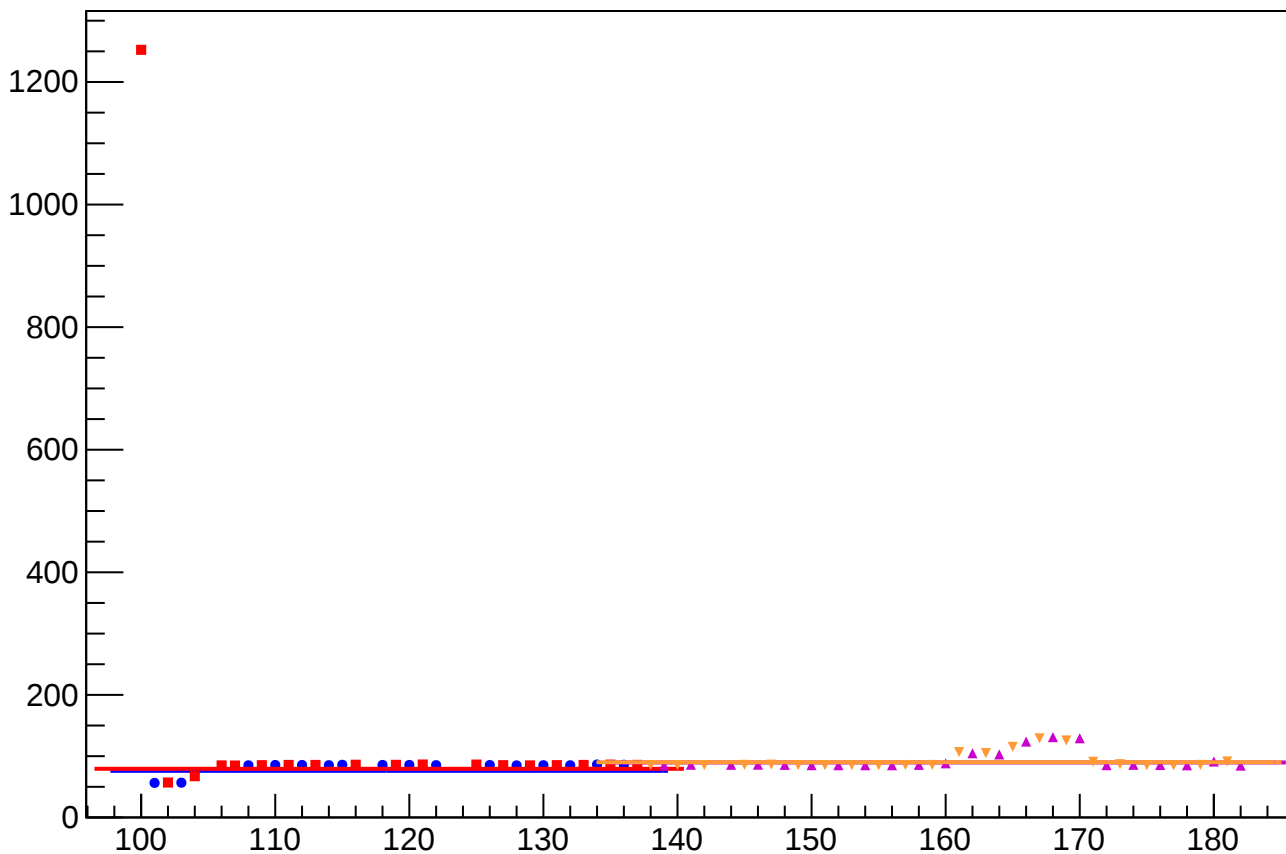
Right: 8.419 ± 21.402 χ^2/NDF : 34.2/33

In: -17.402 ± 17.643 χ^2/NDF : 37.2/37

Out: 12.061 ± 17.917 χ^2/NDF : 39.4/39

All: -2.898 ± 12.571 χ^2/NDF : 77.9/77

asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.073+/-0.021 χ^2/NDF : 408699.5/15

Left Out: 90.087+/-0.016 χ^2/NDF : 457691.8/21

Right Out: 79.374+/-0.022 χ^2/NDF : 384780.1/17

Left In: 89.729+/-0.015 χ^2/NDF : 506824.3/21

Left: 89.905+/-0.011 χ^2/NDF : 964780.6/43

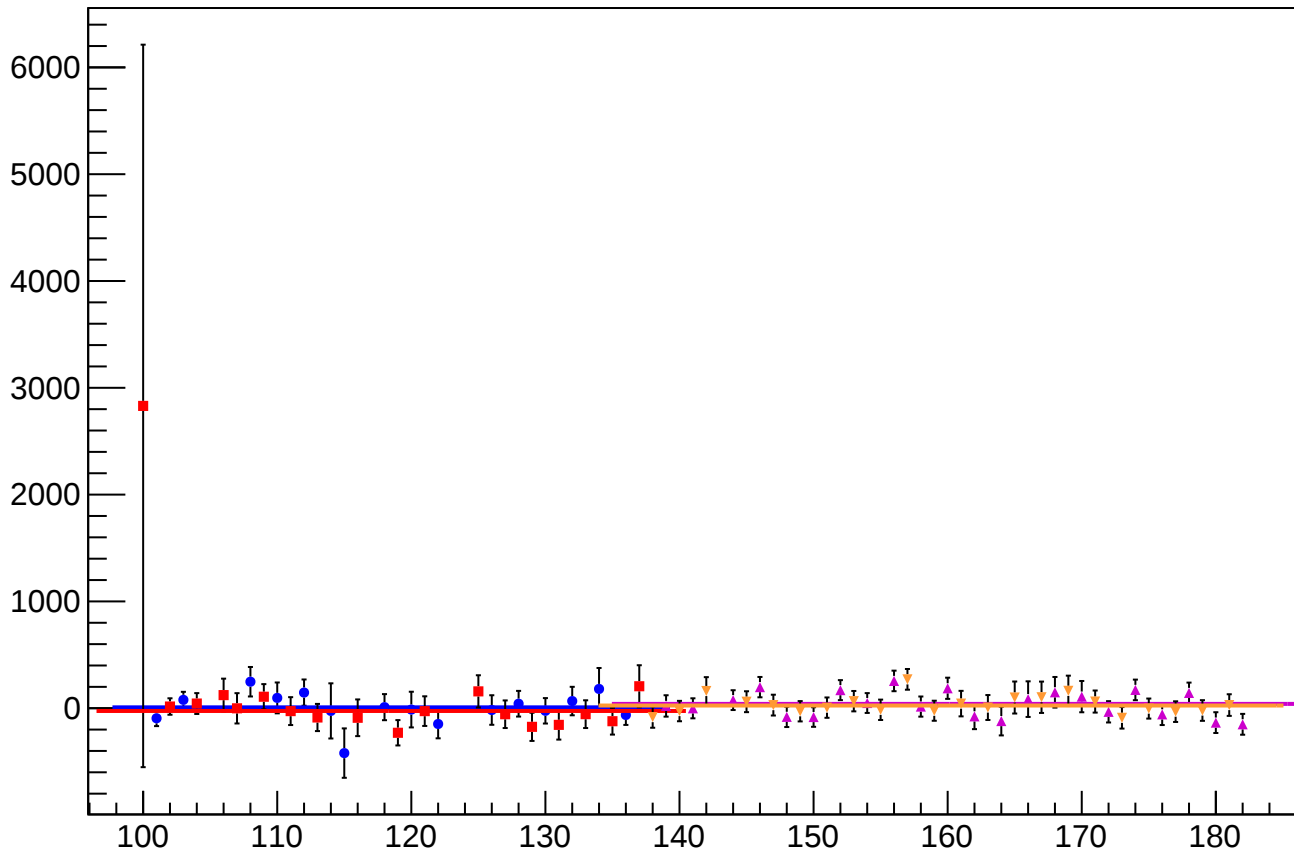
Right: 77.699+/-0.015 χ^2/NDF : 805371.7/33

In: 85.019+/-0.012 χ^2/NDF : 1186289.1/37

Out: 86.390+/-0.013 χ^2/NDF : 1004055.8/39

All: 85.694+/-0.009 χ^2/NDF : 2196289.4/77

reg_asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 8.113 ± 30.012 χ^2/NDF : 14.0/15

Left Out: 25.204 ± 22.138 χ^2/NDF : 13.7/21

Right Out: -25.774 ± 30.473 χ^2/NDF : 12.8/17

Left In: 40.464 ± 21.800 χ^2/NDF : 30.5/21

Left: 32.951 ± 15.533 χ^2/NDF : 44.4/43

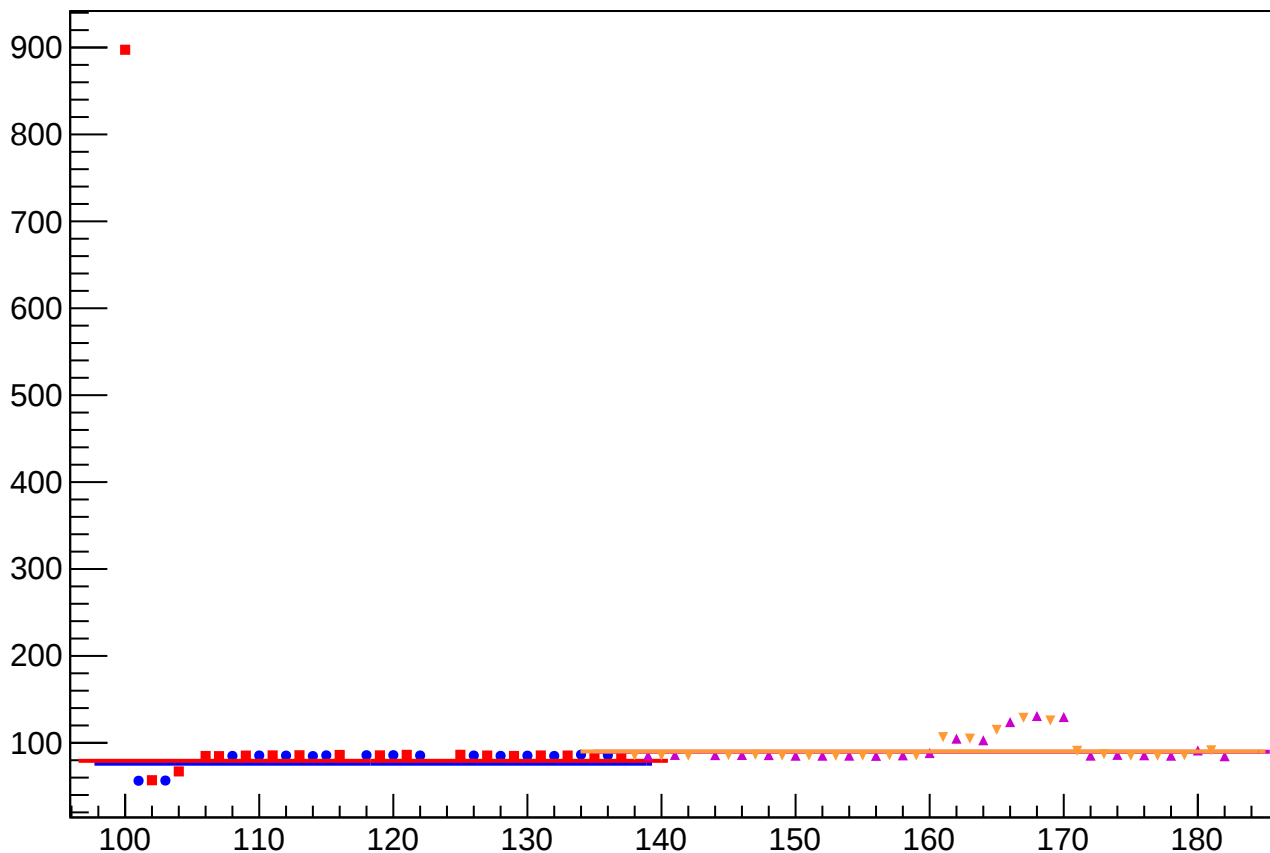
Right: -8.572 ± 21.383 χ^2/NDF : 27.4/33

In: 29.291 ± 17.638 χ^2/NDF : 45.2/37

Out: 7.594 ± 17.910 χ^2/NDF : 28.3/39

All: 18.608 ± 12.567 χ^2/NDF : 74.3/77

reg_asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.004 $\pm$ 0.021 χ^2 /NDF: 408328.4/15

Left Out: 90.080 $\pm$ 0.016 χ^2 /NDF: 455776.7/21

Right Out: 79.322 $\pm$ 0.022 χ^2 /NDF: 378093.1/17

Left In: 89.736 $\pm$ 0.015 χ^2 /NDF: 508436.0/21

Left: 89.905 $\pm$ 0.011 χ^2 /NDF: 964457.4/43

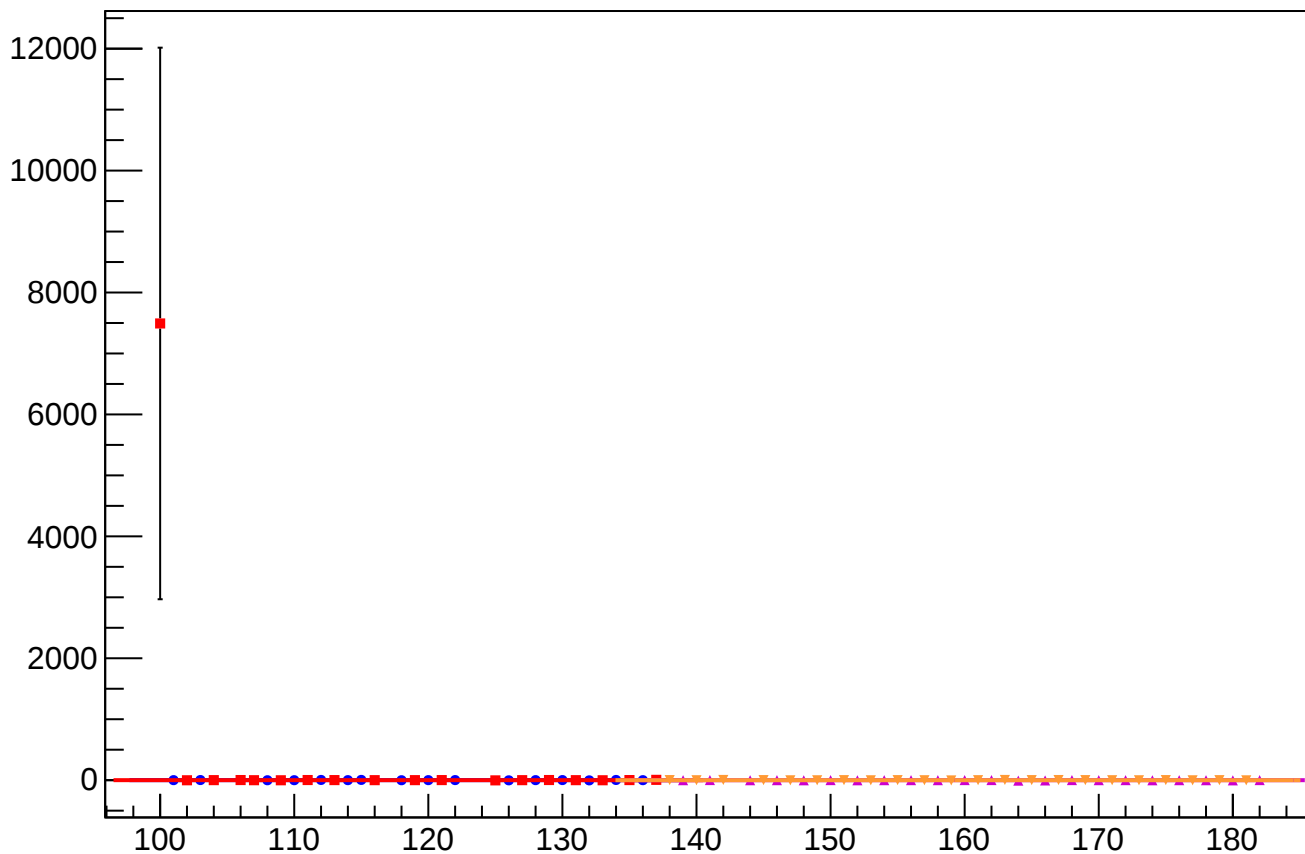
Right: 77.638 $\pm$ 0.015 χ^2 /NDF: 798459.7/33

In: 84.993 $\pm$ 0.012 χ^2 /NDF: 1190840.9/37

Out: 86.363 $\pm$ 0.013 χ^2 /NDF: 997004.5/39

All: 85.668 $\pm$ 0.009 χ^2 /NDF: 2193789.0/77

asym_ds_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.892 ± 0.531 χ^2/NDF : 11.9/15

Left Out: -0.452 ± 0.400 χ^2/NDF : 19.6/21

Right Out: 0.347 ± 0.549 χ^2/NDF : 13.4/17

Left In: 0.004 ± 0.394 χ^2/NDF : 18.5/21

Left: -0.220 ± 0.281 χ^2/NDF : 38.7/43

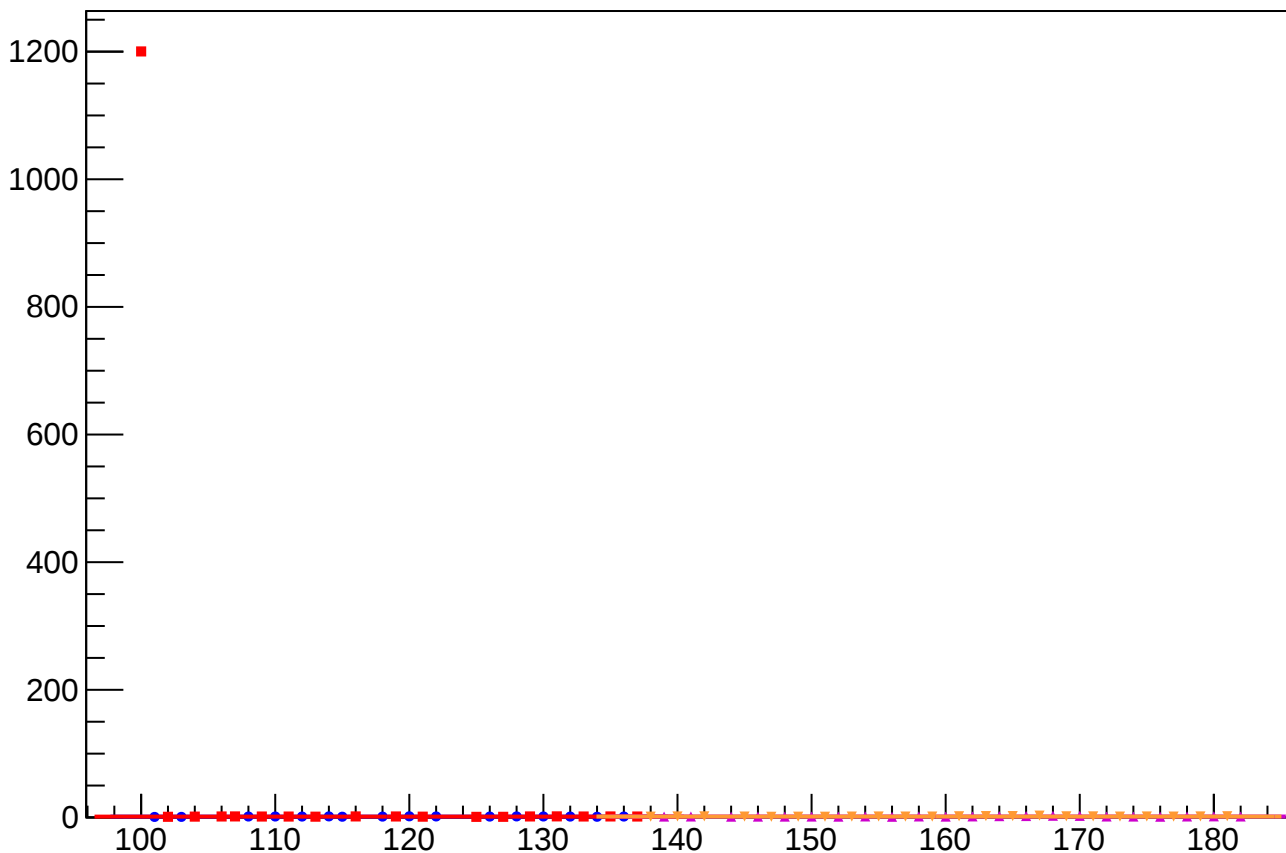
Right: 0.629 ± 0.382 χ^2/NDF : 25.9/33

In: 0.320 ± 0.317 χ^2/NDF : 32.2/37

Out: -0.174 ± 0.323 χ^2/NDF : 34.4/39

All: 0.078 ± 0.226 χ^2/NDF : 67.8/77

asym_ds_dd_correction_rms vs Slug, Sign Corrected



Right In: 1.233+/-0.000 χ^2/NDF : 625758.9/15

Left Out: 1.462+/-0.000 χ^2/NDF :1137997.0/21

Right Out: 1.315+/-0.000 χ^2/NDF : 517133.0/17

Left In: 1.463+/-0.000 χ^2/NDF :1045886.3/21

Left: 1.463+/-0.000 χ^2/NDF : 2183885.2/43

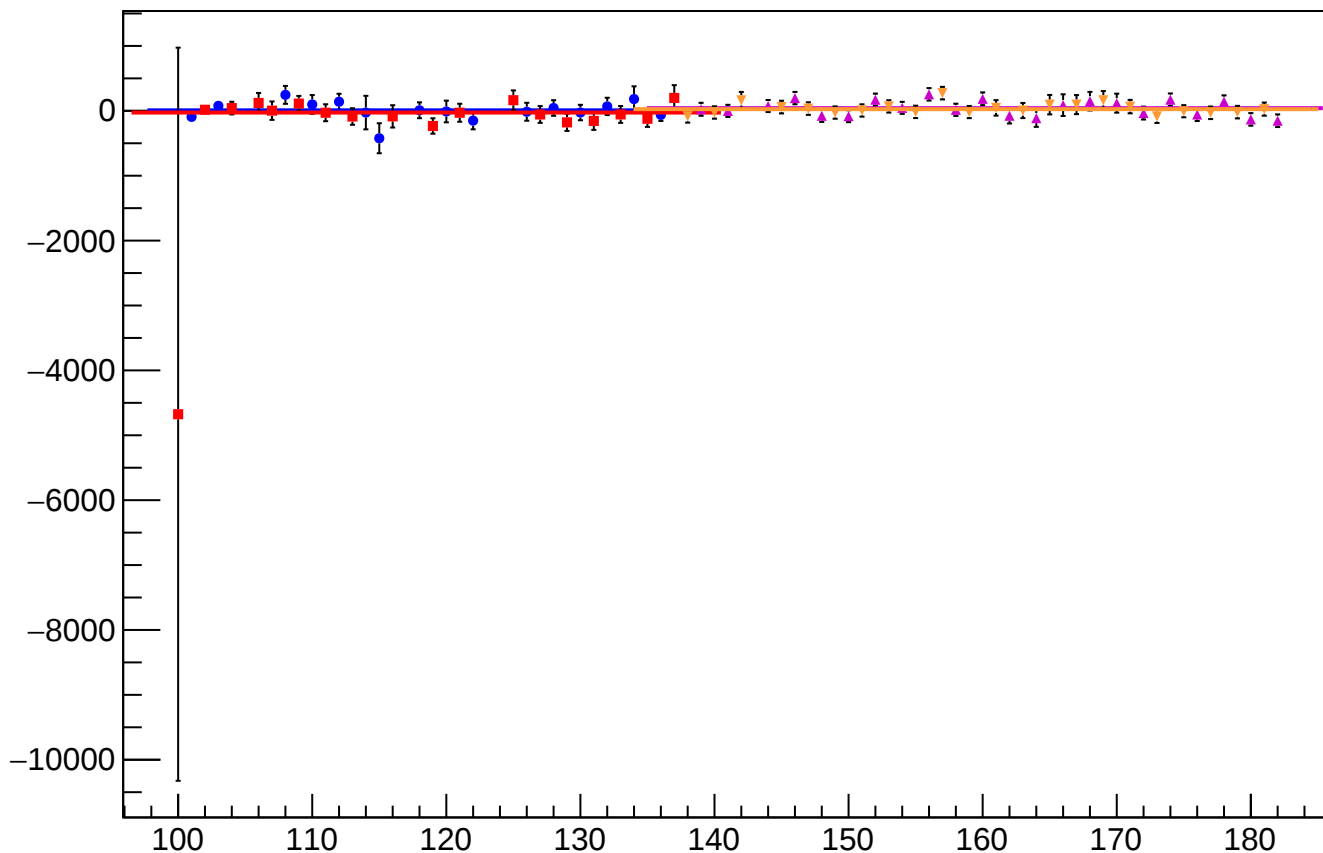
Right: 1.273+/-0.000 χ^2/NDF : 1166063.6/33

In: 1.381+/-0.000 χ^2/NDF :1913338.7/37

Out: 1.411+/-0.000 χ^2/NDF :1749061.2/39

All: 1.396+/-0.000 χ^2/NDF : 3671168.1/77

asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 7.406 ± 30.020 χ^2/NDF : 13.9/15

Left Out: 25.668 ± 22.145 χ^2/NDF : 13.6/21

Right Out: -26.384 ± 30.482 χ^2/NDF : 13.0/17

Left In: 40.907 ± 21.807 χ^2/NDF : 30.1/21

Left: 33.405 ± 15.538 χ^2/NDF : 43.9/43

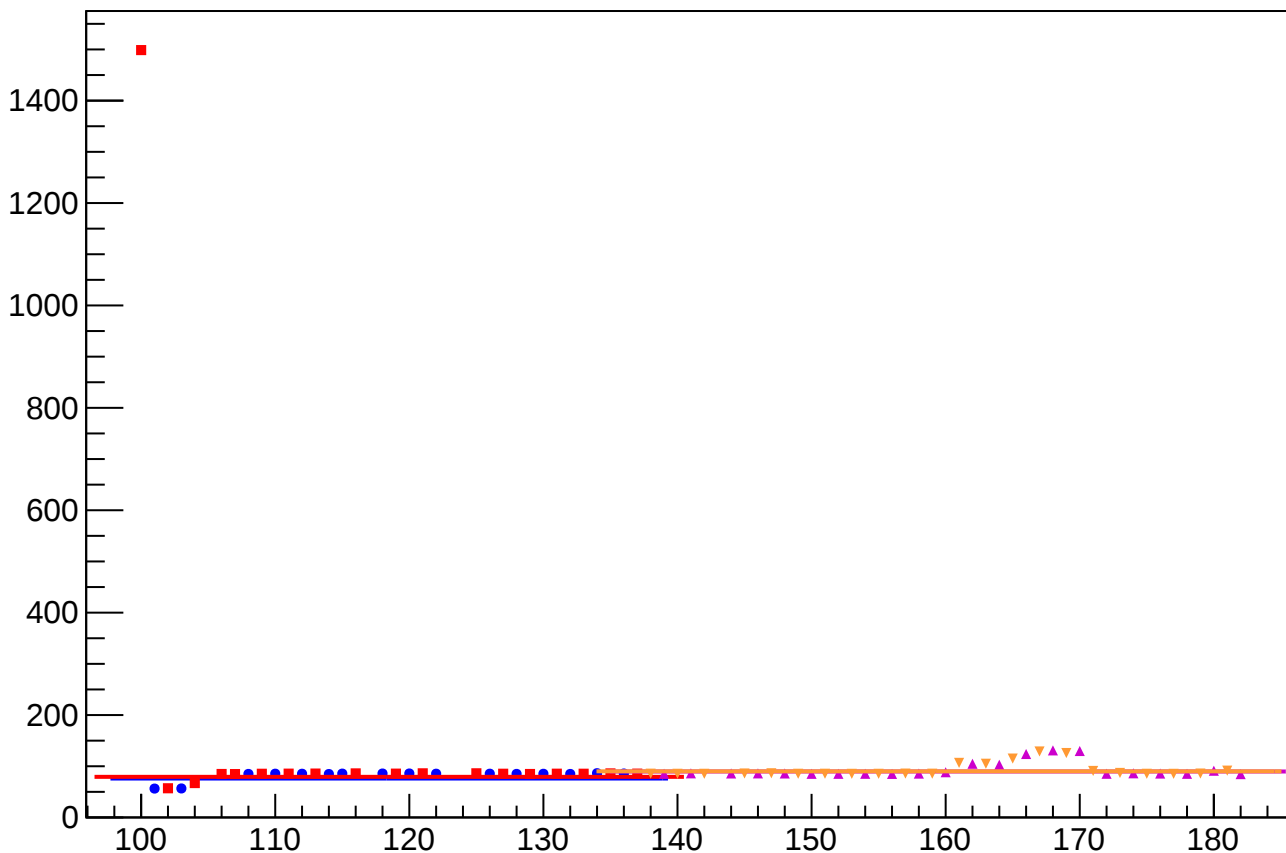
Right: -9.231 ± 21.389 χ^2/NDF : 27.5/33

In: 29.336 ± 17.643 χ^2/NDF : 44.8/37

Out: 7.686 ± 17.916 χ^2/NDF : 28.5/39

All: 18.677 ± 12.571 χ^2/NDF : 74.1/77

asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.025+/-0.021 χ^2 /NDF: 408370.9/15

Left Out: 90.107+/-0.016 χ^2 /NDF: 456527.8/21

Right Out: 79.319+/-0.022 χ^2 /NDF: 387351.7/17

Left In: 89.763+/-0.015 χ^2 /NDF: 509243.2/21

Left: 89.932+/-0.011 χ^2 /NDF: 966016.6/43

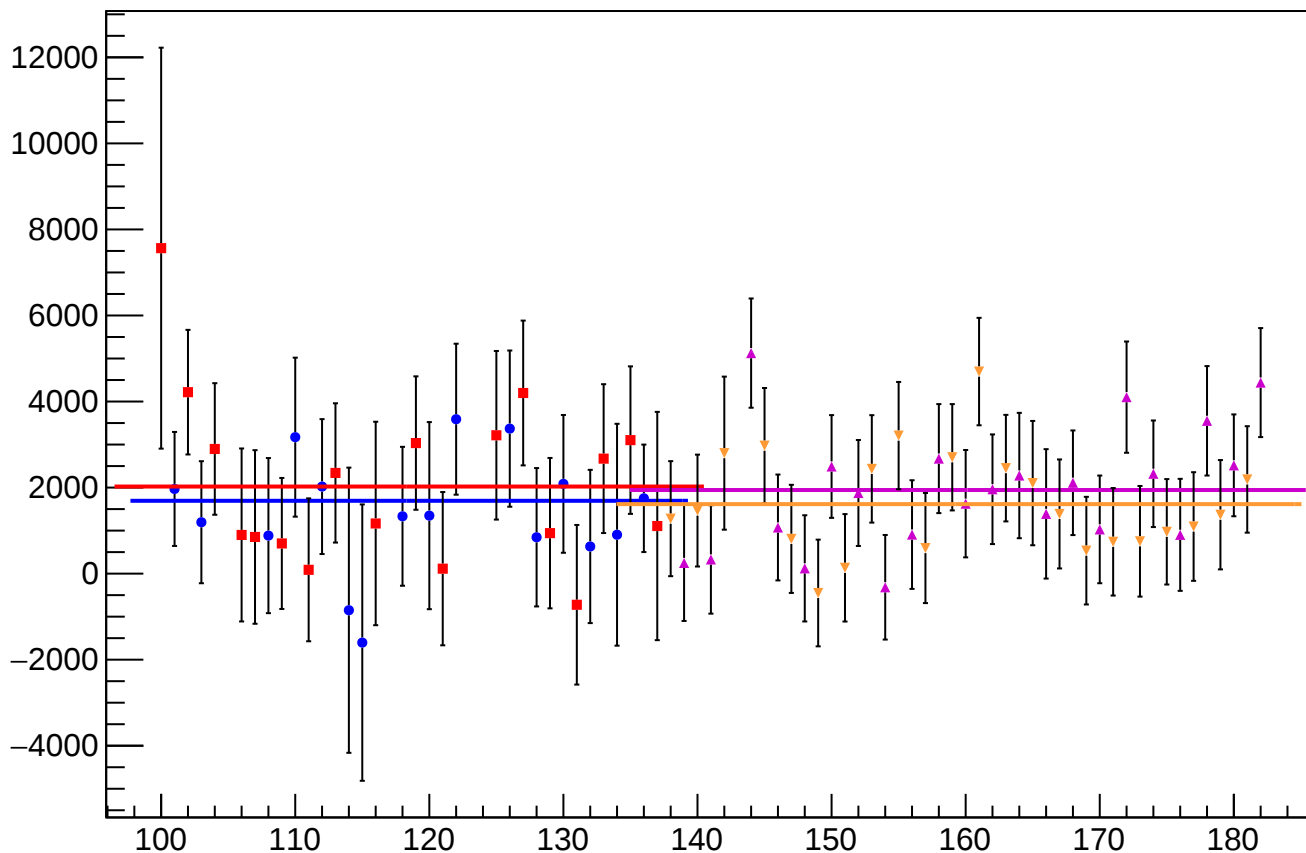
Right: 77.647+/-0.015 χ^2 /NDF: 807581.4/33

In: 85.017+/-0.012 χ^2 /NDF: 1191786.3/37

Out: 86.380+/-0.013 χ^2 /NDF: 1007855.2/39

All: 85.688+/-0.009 χ^2 /NDF: 2205515.9/77

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1692.799 $\pm$ 431.563 χ^2/NDF : 5.6/15

Left Out: 1615.058 $\pm$ 273.735 χ^2/NDF : 18.7/21

Right Out: 2024.185 $\pm$ 423.428 χ^2/NDF : 13.8/17

Left In: 1943.292 $\pm$ 270.302 χ^2/NDF : 26.9/21

Left: 1781.246 $\pm$ 192.334 χ^2/NDF : 46.3/43

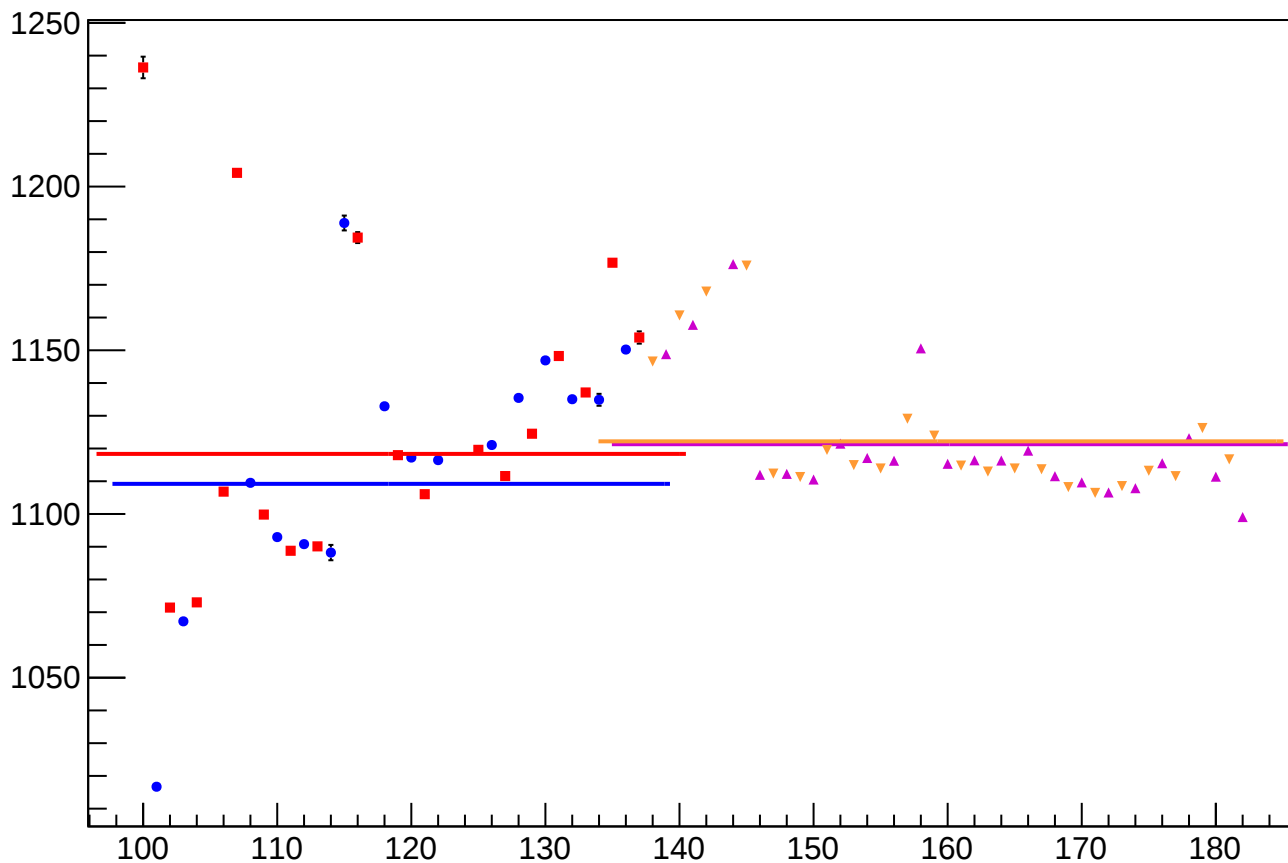
Right: 1861.645 $\pm$ 302.244 χ^2/NDF : 19.7/33

In: 1872.713 $\pm$ 229.078 χ^2/NDF : 32.7/37

Out: 1735.646 $\pm$ 229.881 χ^2/NDF : 33.2/39

All: 1804.419 $\pm$ 162.266 χ^2/NDF : 66.1/77

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1109.203 $\pm$ 0.305 χ^2 /NDF: 18241.7/15

Left Out: 1122.188 $\pm$ 0.194 χ^2 /NDF: 8890.7/21

Right Out: 1118.351 $\pm$ 0.299 χ^2 /NDF: 15519.6/17

Left In: 1121.312 $\pm$ 0.191 χ^2 /NDF: 9474.5/21

Left: 1121.745 $\pm$ 0.136 χ^2 /NDF: 18375.6/43

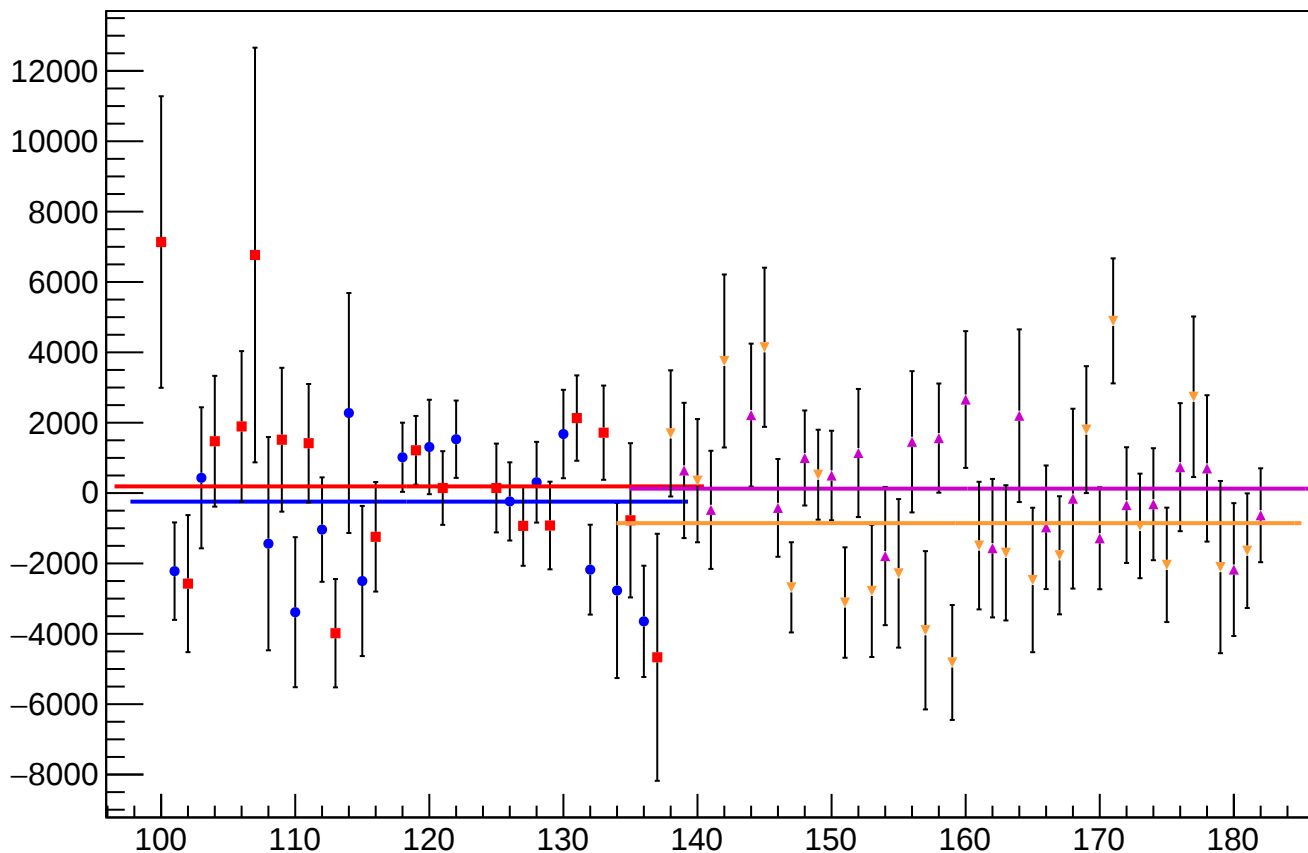
Right: 1113.864 $\pm$ 0.214 χ^2 /NDF: 34219.3/33

In: 1117.900 $\pm$ 0.162 χ^2 /NDF: 28847.2/37

Out: 1121.057 $\pm$ 0.163 χ^2 /NDF: 24526.2/39

All: 1119.473 $\pm$ 0.115 χ^2 /NDF: 53562.6/77

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: -242.985 $\pm$ 361.487 χ^2/NDF : 22.5/15

Left Out: -854.369 $\pm$ 376.301 χ^2/NDF : 42.7/21

Right Out: 189.815 $\pm$ 357.555 χ^2/NDF : 25.2/17

Left In: 126.031 $\pm$ 363.761 χ^2/NDF : 11.1/21

Left: -347.562 $\pm$ 261.539 χ^2/NDF : 57.4/43

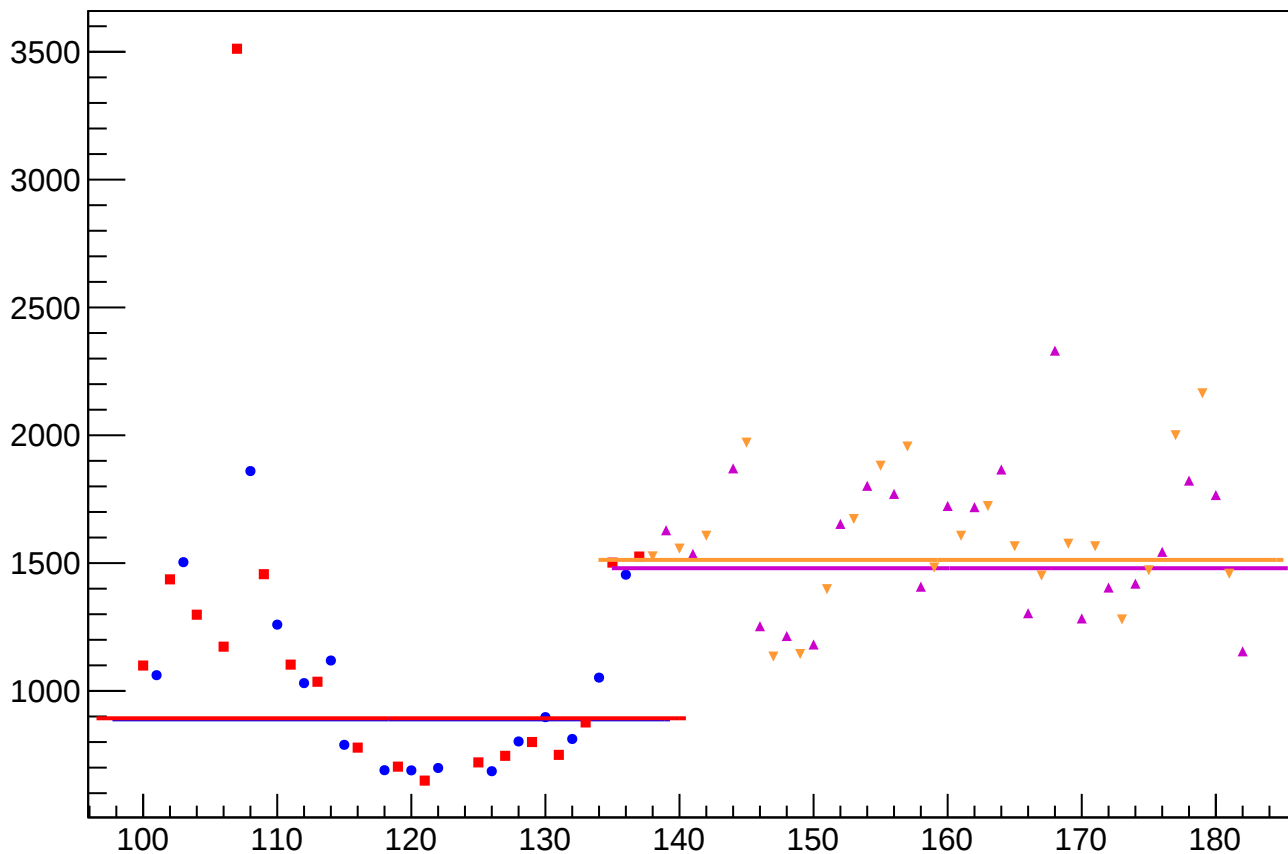
Right: -24.219 $\pm$ 254.208 χ^2/NDF : 48.4/33

In: -59.634 $\pm$ 256.410 χ^2/NDF : 34.2/37

Out: -305.622 $\pm$ 259.203 χ^2/NDF : 72.0/39

All: -181.295 $\pm$ 182.289 χ^2/NDF : 106.6/77

asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 888.808 $\pm$ 0.256 χ^2/NDF : 1052628.4/15

Left Out: 1512.534 $\pm$ 0.266 χ^2/NDF : 914369.6/21

Right Out: 892.975 $\pm$ 0.253 χ^2/NDF : 1409163.7/17

Left In: 1480.018 $\pm$ 0.257 χ^2/NDF : 1063937.2/21

Left: 1495.725 $\pm$ 0.185 χ^2/NDF : 1986026.3/43

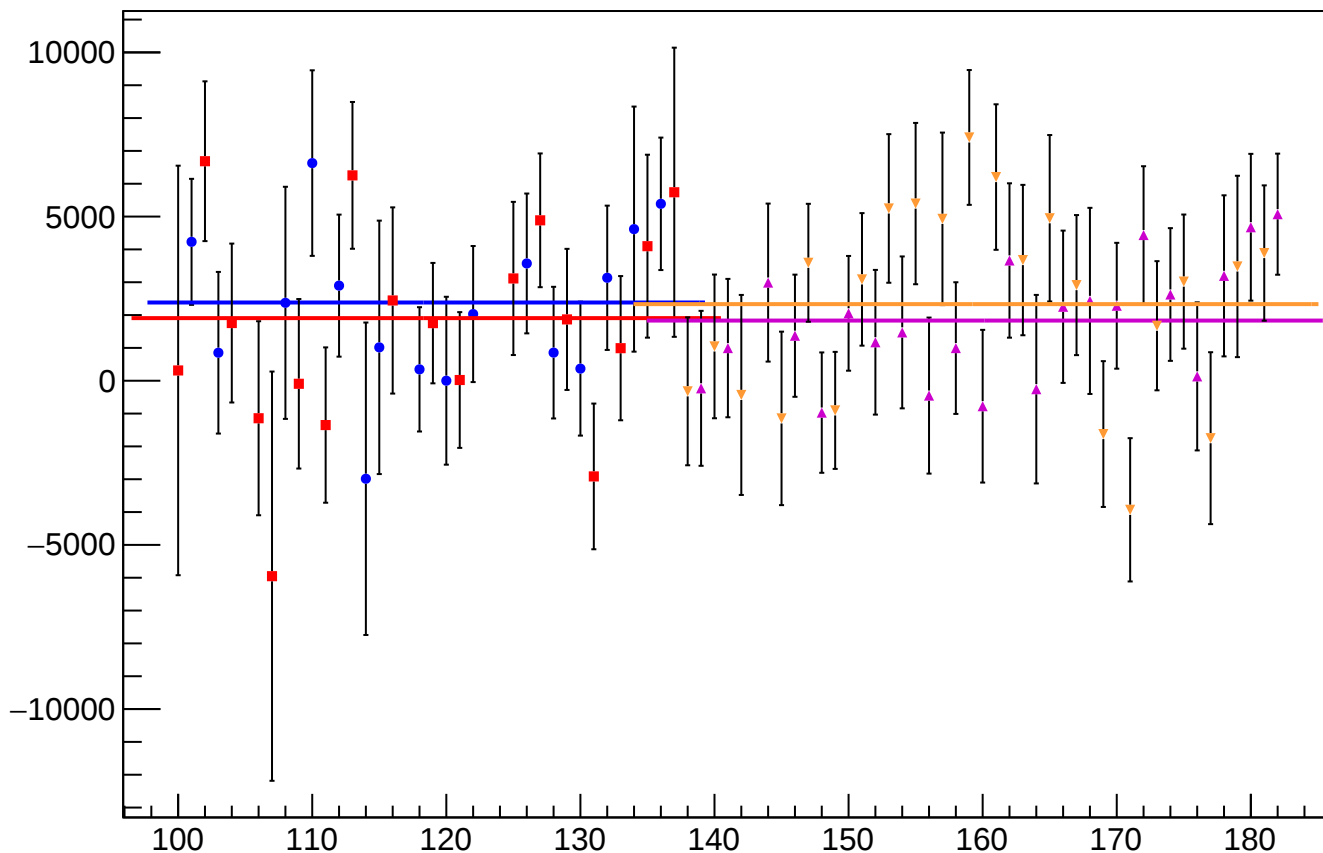
Right: 890.914 $\pm$ 0.180 χ^2/NDF : 2461926.4/33

In: 1182.559 $\pm$ 0.181 χ^2/NDF : 4774633.2/37

Out: 1186.939 $\pm$ 0.183 χ^2/NDF : 5172714.3/39

All: 1184.725 $\pm$ 0.129 χ^2/NDF : 9947636.2/77

asym_usl_mean vs Slug, Sign Corrected



Right In: 2382.736 $\pm$ 590.698 χ^2 /NDF: 11.6/15

Left Out: 2333.263 $\pm$ 473.342 χ^2 /NDF:37.9/21

Right Out: 1906.871 $\pm$ 584.955 χ^2 /NDF: 22.4/17

Left In: 1832.640 $\pm$ 460.799 χ^2 /NDF:14.6/21

Left: 2076.231 $\pm$ 330.179 χ^2 /NDF: 53.0/43

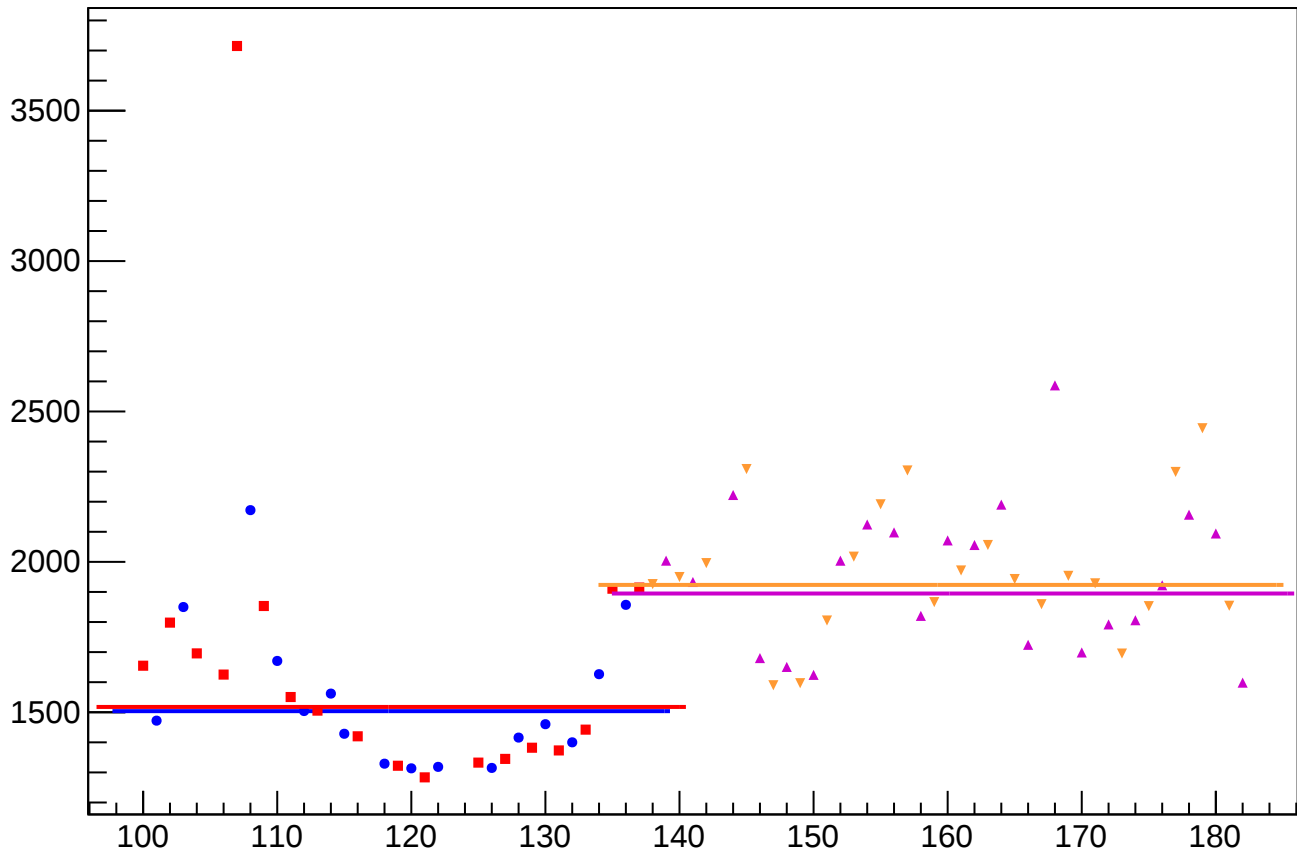
Right: 2142.479 $\pm$ 415.641 χ^2 /NDF: 34.4/33

In: 2040.752 $\pm$ 363.325 χ^2 /NDF:26.8/37

Out: 2164.542 $\pm$ 367.962 χ^2 /NDF:60.6/39

All: 2101.862 $\pm$ 258.533 χ^2 /NDF: 87.4/77

asym_usl_rms vs Slug, Sign Corrected



Right In: 1503.676+/-0.418 χ^2/NDF : 252138.4/15

Left Out: 1923.415+/-0.335 χ^2/NDF : 411615.4/21

Right Out: 1517.693+/-0.414 χ^2/NDF : 476469.5/17

Left In: 1894.788+/-0.326 χ^2/NDF : 486379.1/21

Left: 1908.717+/-0.233 χ^2/NDF : 901750.2/43

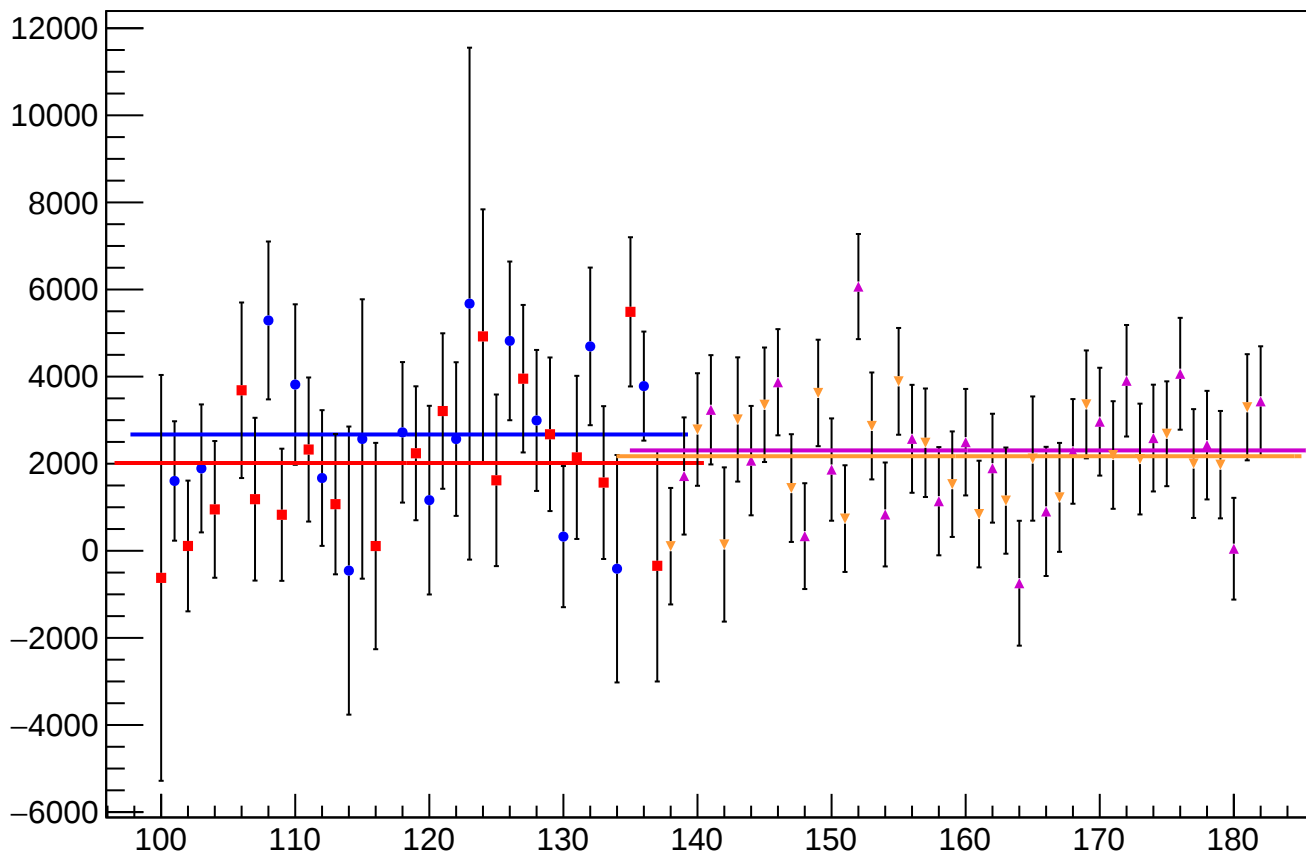
Right: 1510.753+/-0.294 χ^2/NDF : 729176.4/33

In: 1746.823+/-0.257 χ^2/NDF : 1283607.7/37

Out: 1762.873+/-0.260 χ^2/NDF : 1469514.6/39

All: 1754.746+/-0.183 χ^2/NDF : 2755049.1/77

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2671.295+/-434.567 χ^2/NDF : 12.4/16

Left Out: 2171.894+/-264.958 χ^2/NDF : 15.3/22

Right Out: 2016.229+/-420.147 χ^2/NDF : 12.8/18

Left In: 2305.648+/-266.685 χ^2/NDF : 31.2/21

Left: 2238.336+/-187.961 χ^2/NDF : 46.6/44

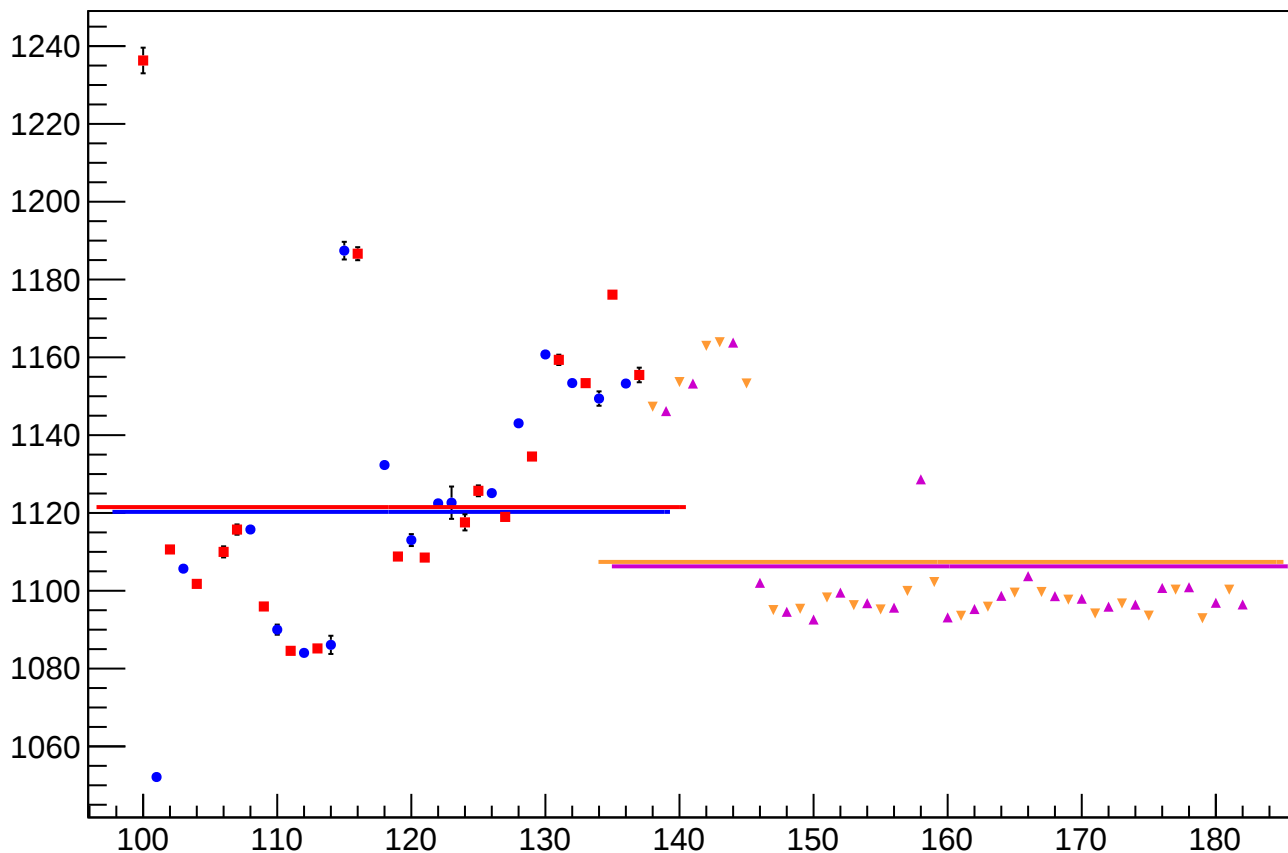
Right: 2332.714+/-302.058 χ^2/NDF : 26.4/35

In: 2405.680+/-227.297 χ^2/NDF : 44.1/38

Out: 2127.601+/-224.115 χ^2/NDF : 28.2/41

All: 2264.680+/-159.586 χ^2/NDF : 73.1/80

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1120.277 $\pm$ 0.307 χ^2 /NDF: 11962.7/16

Left Out: 1107.420 $\pm$ 0.187 χ^2 /NDF:14586.1/22

Right Out: 1121.507 $\pm$ 0.297 χ^2 /NDF: 10014.9/18

Left In: 1106.277 $\pm$ 0.189 χ^2 /NDF:11419.8/21

Left: 1106.852 $\pm$ 0.133 χ^2 /NDF: 26024.4/44

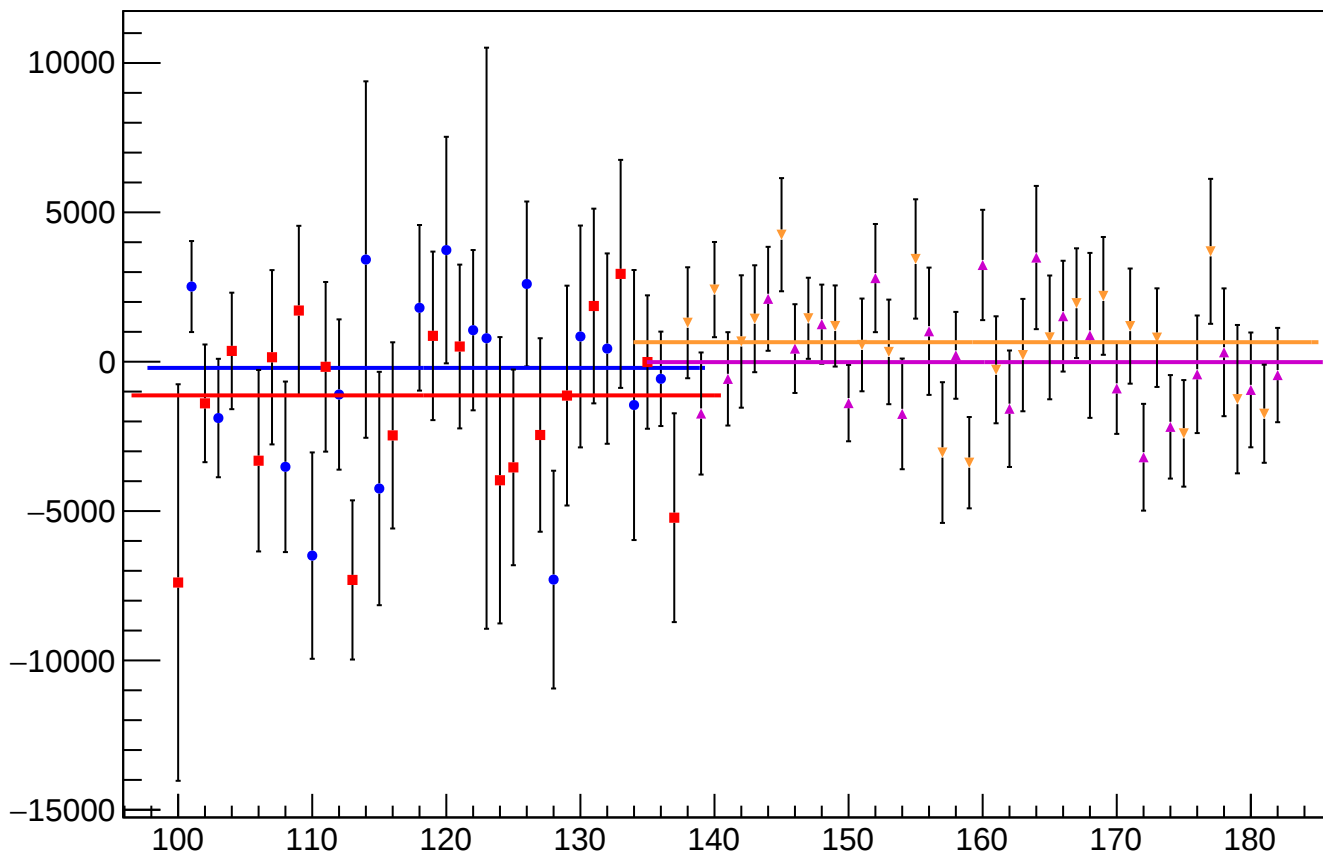
Right: 1120.913 $\pm$ 0.214 χ^2 /NDF: 21985.9/35

In: 1110.107 $\pm$ 0.161 χ^2 /NDF:24890.4/38

Out: 1111.428 $\pm$ 0.158 χ^2 /NDF:26209.8/41

All: 1110.777 $\pm$ 0.113 χ^2 /NDF: 51134.5/80

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: -207.352 $\pm$ 656.632 χ^2/NDF : 17.0/16

Left Out: 653.341 $\pm$ 372.765 χ^2/NDF : 25.8/22

Right Out: -1127.444 $\pm$ 663.569 χ^2/NDF : 14.4/18

Left In: -13.902 $\pm$ 370.595 χ^2/NDF : 20.1/21

Left: 317.771 $\pm$ 262.814 χ^2/NDF : 47.6/44

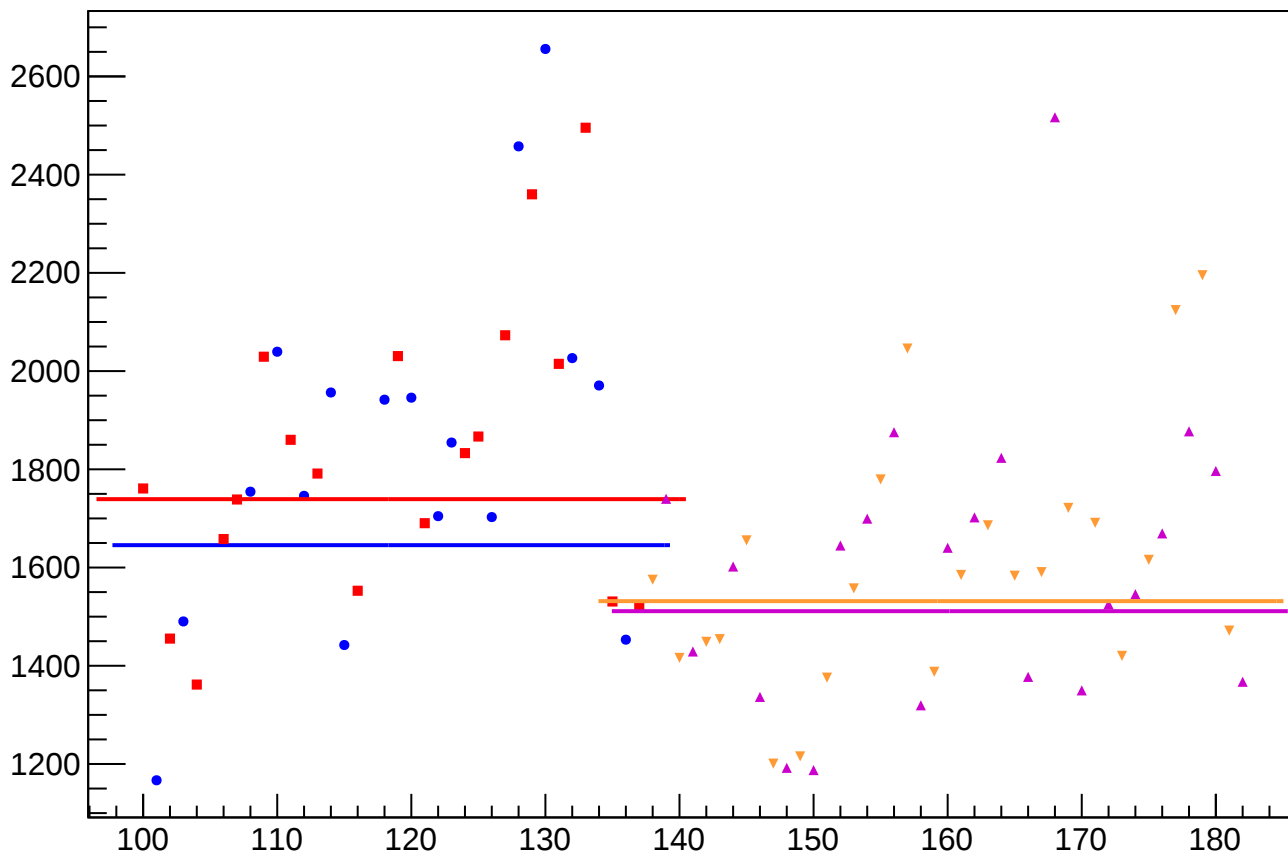
Right: -662.564 $\pm$ 466.742 χ^2/NDF : 32.4/35

In: -60.636 $\pm$ 322.741 χ^2/NDF : 37.3/38

Out: 226.176 $\pm$ 324.996 χ^2/NDF : 45.7/41

All: 81.771 $\pm$ 229.005 χ^2/NDF : 83.3/80

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 1645.579+/-0.464 χ^2/NDF : 606697.8/16

Left Out: 1531.595+/-0.264 χ^2/NDF : 747348.6/22

Right Out: 1739.254+/-0.469 χ^2/NDF : 372578.2/18

Left In: 1511.179+/-0.262 χ^2/NDF : 926790.4/21

Left: 1521.327+/-0.186 χ^2/NDF : 1677156.0/44

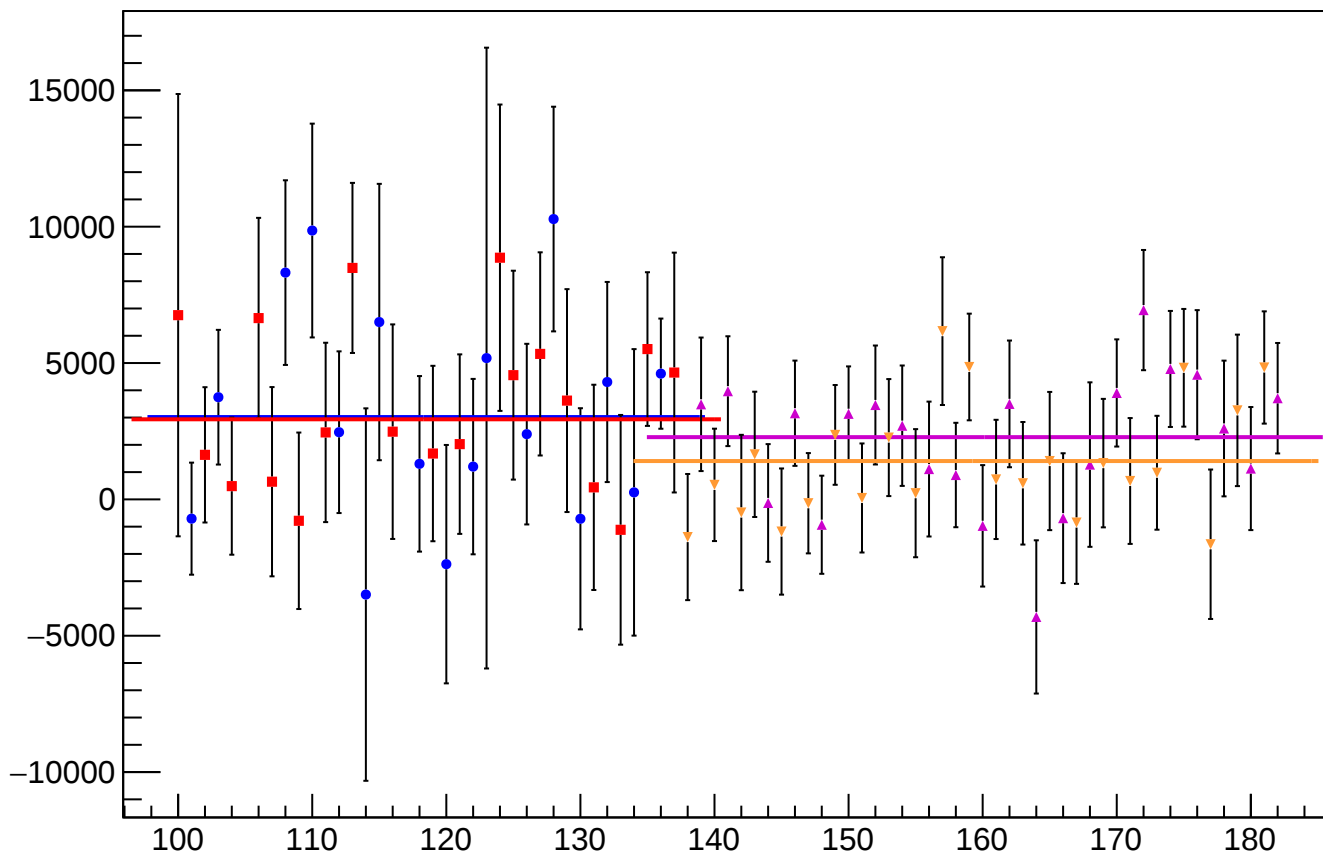
Right: 1691.924+/-0.330 χ^2/NDF : 999414.1/35

In: 1543.647+/-0.228 χ^2/NDF : 1597034.8/38

Out: 1581.407+/-0.230 χ^2/NDF : 1268810.2/41

All: 1562.396+/-0.162 χ^2/NDF : 2879437.7/80

asym_usr_mean vs Slug, Sign Corrected



Right In: 3018.495 $\pm$ 804.013 χ^2/NDF : 17.5/16

Left Out: 1405.620 $\pm$ 464.518 χ^2/NDF : 19.7/22

Right Out: 2936.563 $\pm$ 797.151 χ^2/NDF : 11.7/18

Left In: 2282.342 $\pm$ 463.546 χ^2/NDF : 24.7/21

Left: 1844.899 $\pm$ 328.120 χ^2/NDF : 46.3/44

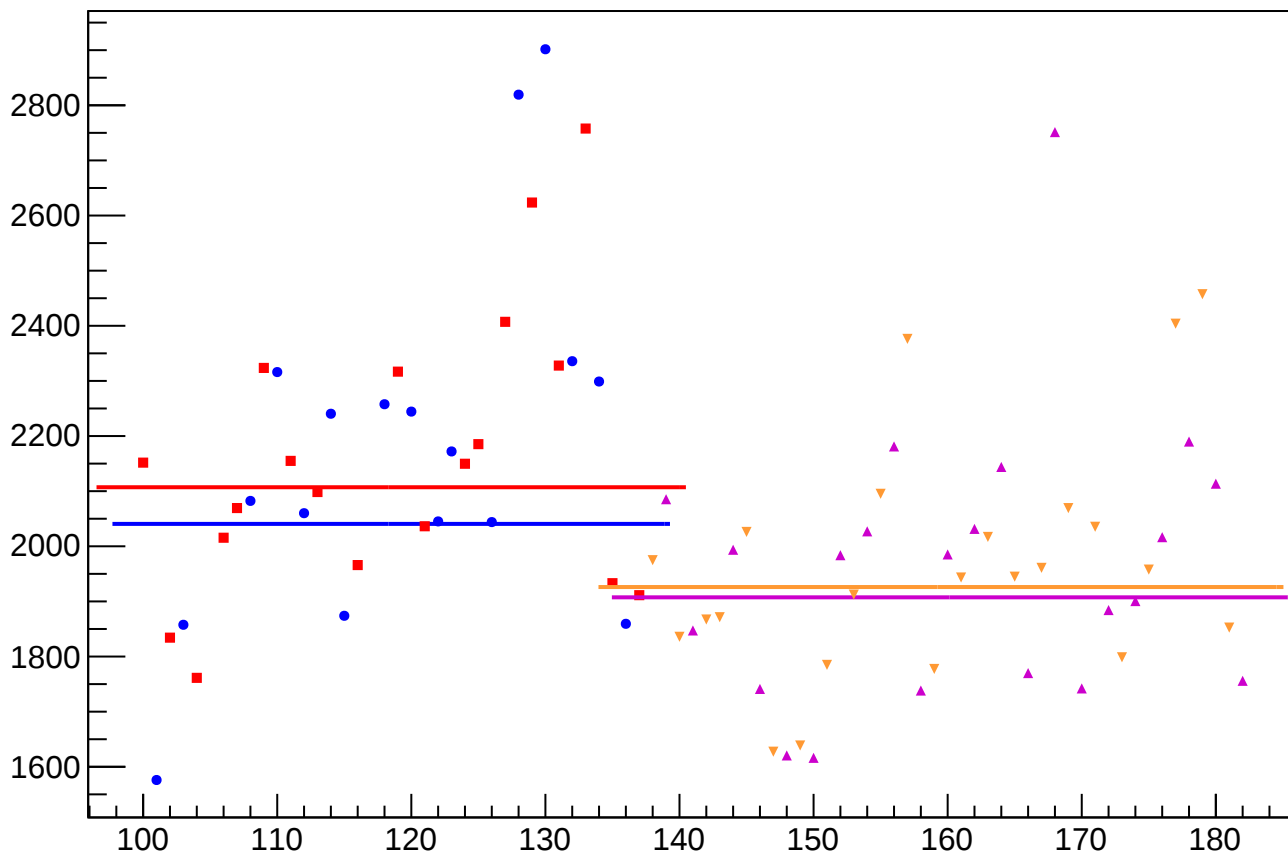
Right: 2977.178 $\pm$ 566.082 χ^2/NDF : 29.2/35

In: 2465.993 $\pm$ 401.584 χ^2/NDF : 42.8/38

Out: 1793.698 $\pm$ 401.347 χ^2/NDF : 34.2/41

All: 2129.648 $\pm$ 283.879 χ^2/NDF : 78.5/80

asym_usr_rms vs Slug, Sign Corrected



Right In: 2040.634+/-0.569 χ^2/NDF : 336565.5/16

Left Out: 1926.092+/-0.328 χ^2/NDF : 360042.4/22

Right Out: 2107.120+/-0.564 χ^2/NDF : 197006.9/18

Left In: 1907.409+/-0.328 χ^2/NDF : 443632.3/21

Left: 1916.731+/-0.232 χ^2/NDF : 805295.7/44

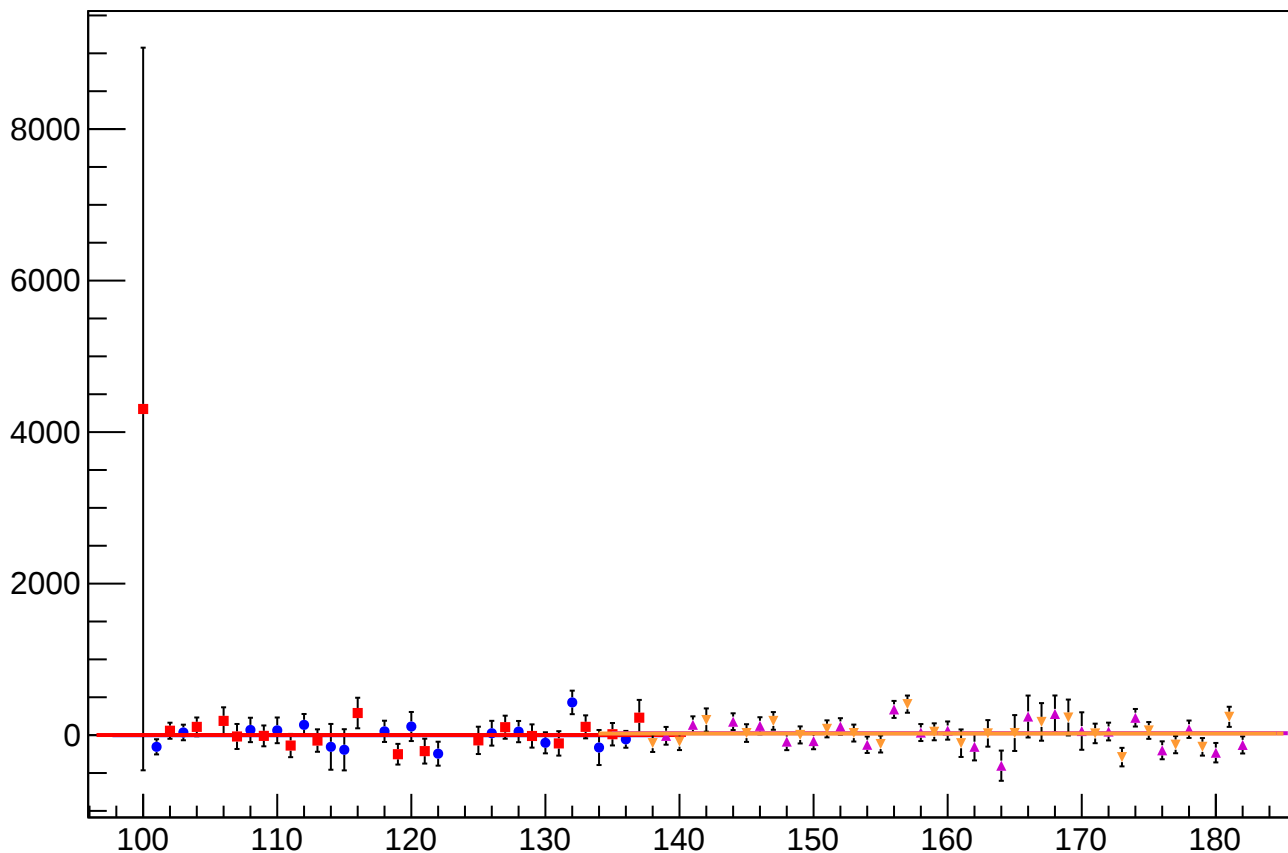
Right: 2074.162+/-0.400 χ^2/NDF : 540469.2/35

In: 1940.645+/-0.284 χ^2/NDF : 821411.4/38

Out: 1971.981+/-0.284 χ^2/NDF : 634047.1/41

All: 1956.322+/-0.201 χ^2/NDF : 1461550.8/80

reg_asym_dsl_mean vs Slug, Sign Corrected



Right In: -0.770 $\pm$ 36.771 χ^2/NDF : 16.5/15

Left Out: 21.356 $\pm$ 27.203 χ^2/NDF : 34.1/21

Right Out: 1.460 $\pm$ 36.756 χ^2/NDF : 13.8/17

Left In: 25.455 $\pm$ 26.628 χ^2/NDF : 36.4/21

Left: 23.450 $\pm$ 19.029 χ^2/NDF : 70.5/43

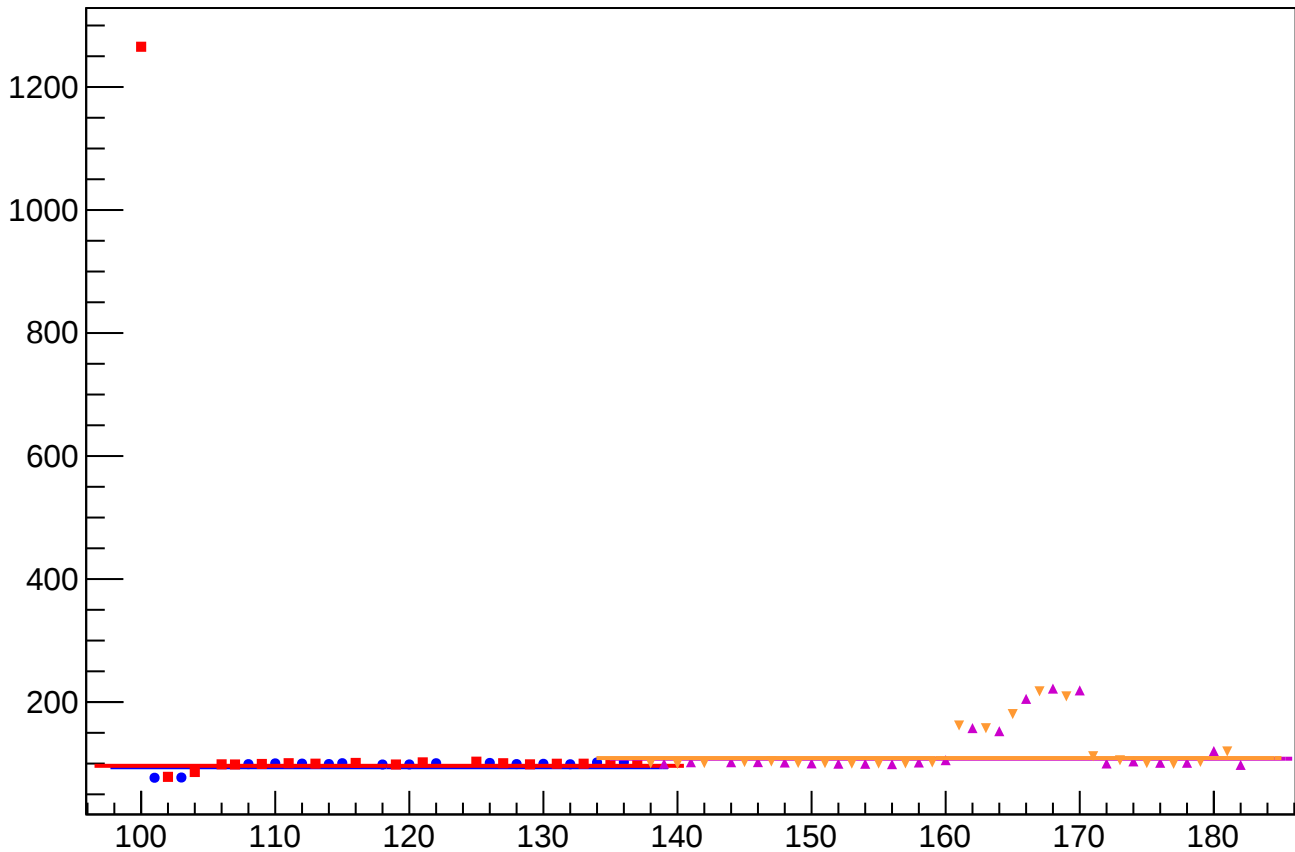
Right: 0.345 $\pm$ 25.996 χ^2/NDF : 30.3/33

In: 16.434 $\pm$ 21.567 χ^2/NDF : 53.2/37

Out: 14.315 $\pm$ 21.866 χ^2/NDF : 48.1/39

All: 15.389 $\pm$ 15.355 χ^2/NDF : 101.3/77

reg_asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.047 $\pm$ 0.026 χ^2 /NDF: 152068.3/15

Left Out: 108.969 $\pm$ 0.019 χ^2 /NDF: 1402165.8/21

Right Out: 96.358 $\pm$ 0.026 χ^2 /NDF: 209109.4/17

Left In: 107.912 $\pm$ 0.019 χ^2 /NDF: 1483389.3/21

Left: 108.429 $\pm$ 0.013 χ^2 /NDF: 2887094.6/43

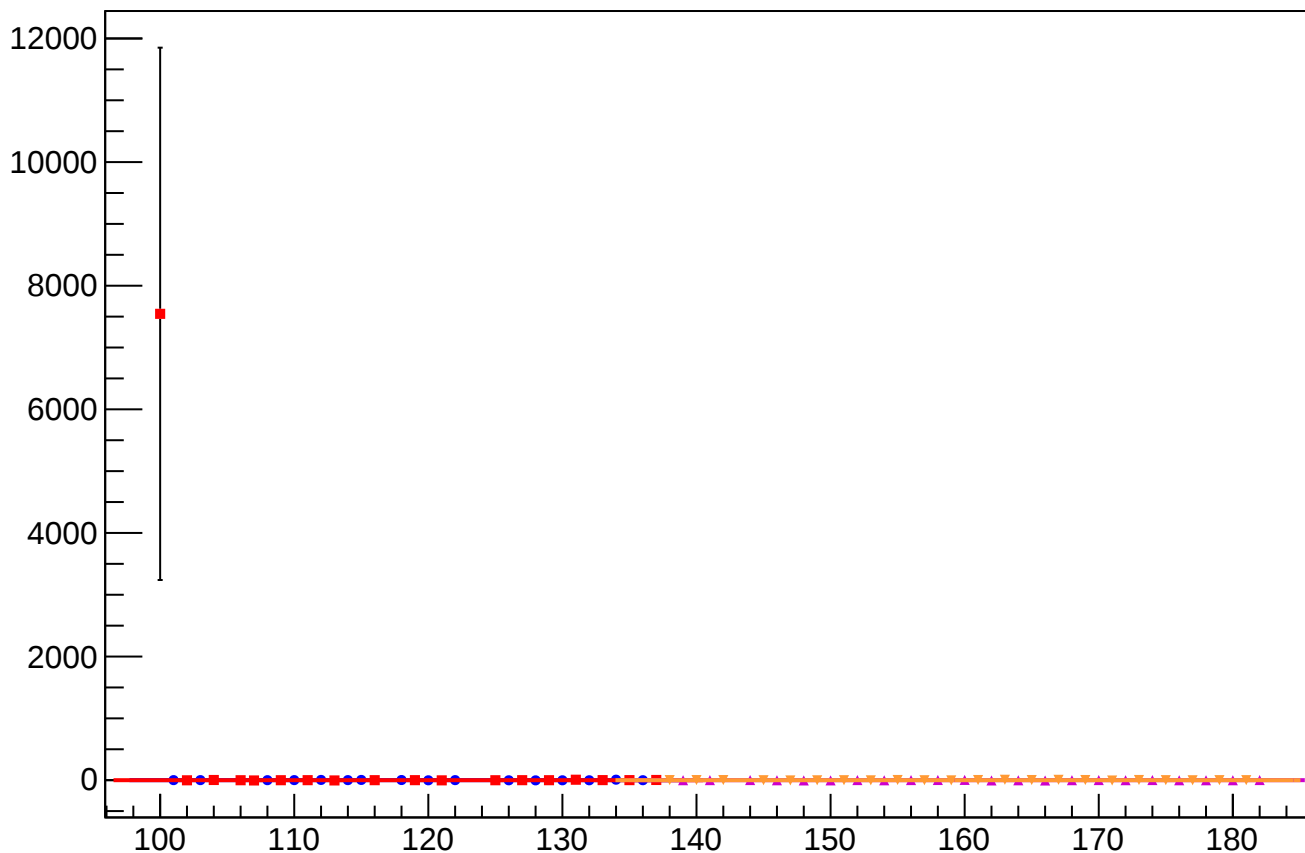
Right: 95.203 $\pm$ 0.018 χ^2 /NDF: 365129.1/33

In: 103.143 $\pm$ 0.015 χ^2 /NDF: 1821999.9/37

Out: 104.506 $\pm$ 0.015 χ^2 /NDF: 1763379.1/39

All: 103.815 $\pm$ 0.011 χ^2 /NDF: 3589317.5/77

asym_dsl_correction_mean vs Slug, Sign Corrected



Right In: 0.390 ± 0.617 $\chi^2/\text{NDF}: 10.4/15$

Left Out: -0.389 ± 0.489 $\chi^2/\text{NDF}: 27.3/21$

Right Out: -0.344 ± 0.644 $\chi^2/\text{NDF}: 21.0/17$

Left In: 0.001 ± 0.490 $\chi^2/\text{NDF}: 24.0/21$

Left: -0.194 ± 0.346 $\chi^2/\text{NDF}: 51.7/43$

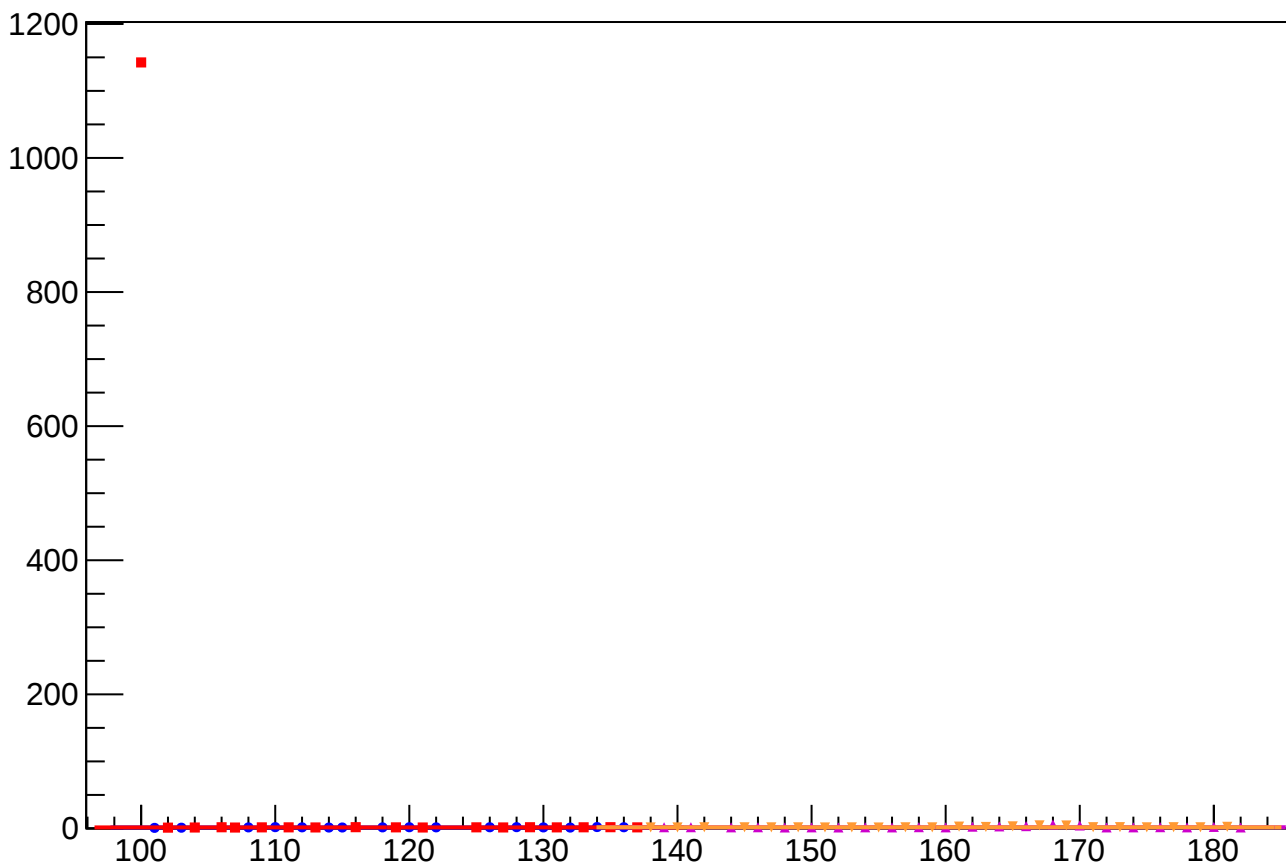
Right: 0.038 ± 0.445 $\chi^2/\text{NDF}: 32.1/33$

In: 0.151 ± 0.384 $\chi^2/\text{NDF}: 34.7/37$

Out: -0.373 ± 0.389 $\chi^2/\text{NDF}: 48.3/39$

All: -0.107 ± 0.273 $\chi^2/\text{NDF}: 83.9/77$

asym_dsl_correction_rms vs Slug, Sign Corrected



Right In: 1.420+/-0.000 χ^2/NDF : 713301.5/15

Left Out: 1.768+/-0.000 χ^2/NDF : 1593436.3/21

Right Out: 1.555+/-0.000 χ^2/NDF : 313943.5/17

Left In: 1.805+/-0.000 χ^2/NDF : 1919529.4/21

Left: 1.786+/-0.000 χ^2/NDF : 3518552.6/43

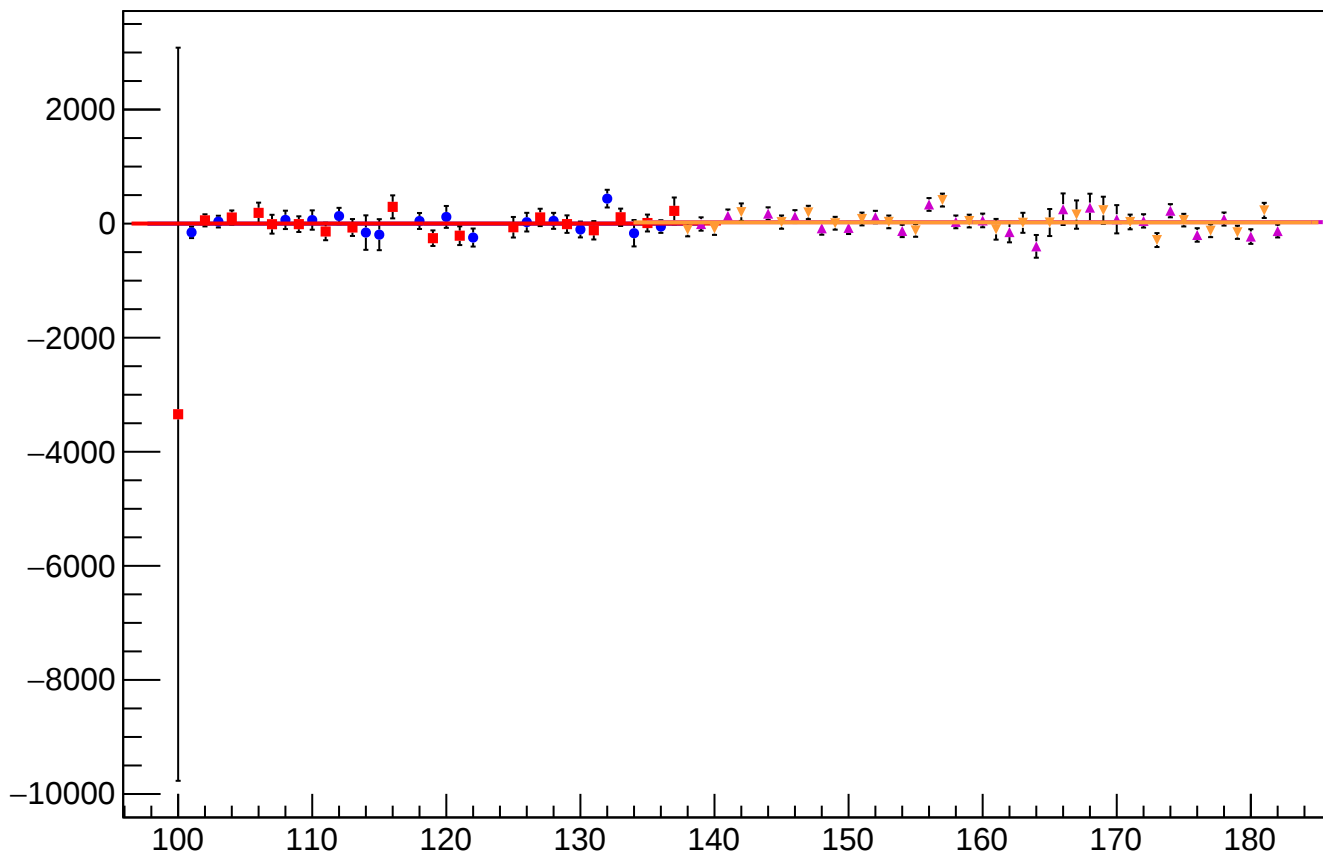
Right: 1.485+/-0.000 χ^2/NDF : 1073016.8/33

In: 1.656+/-0.000 χ^2/NDF : 3109402.9/37

Out: 1.690+/-0.000 χ^2/NDF : 2046340.7/39

All: 1.673+/-0.000 χ^2/NDF : 5163510.2/77

asym_dsl_mean vs Slug, Sign Corrected



Right In: -0.474 $\pm$ 36.781 χ^2/NDF : 16.7/15

Left Out: 21.855 $\pm$ 27.212 χ^2/NDF :34.0/21

Right Out: 1.223 $\pm$ 36.766 χ^2/NDF : 13.3/17

Left In: 25.892 $\pm$ 26.636 χ^2/NDF :35.7/21

Left: 23.917 $\pm$ 19.035 χ^2/NDF : 69.7/43

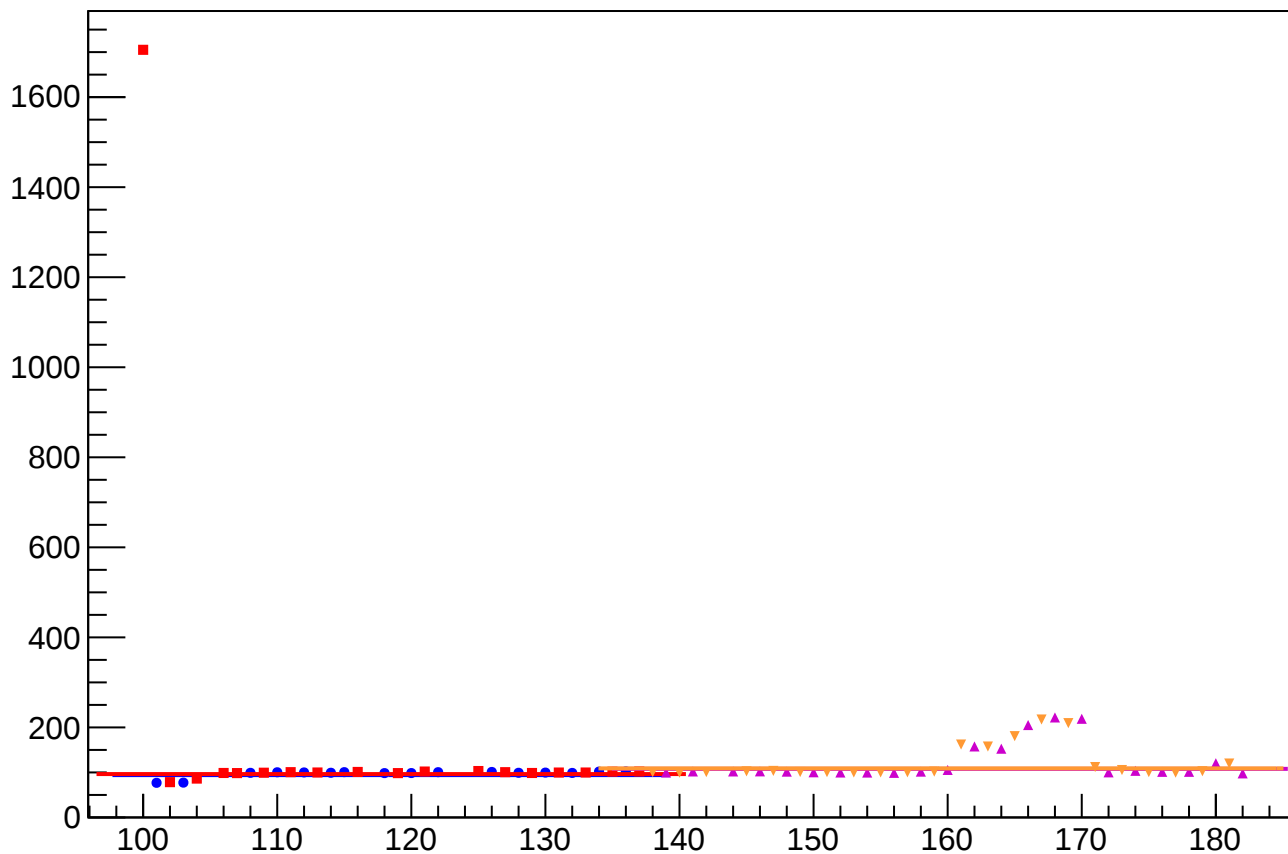
Right: 0.375 $\pm$ 26.003 χ^2/NDF : 30.0/33

In: 16.822 $\pm$ 21.573 χ^2/NDF :52.7/37

Out: 14.553 $\pm$ 21.872 χ^2/NDF :47.6/39

All: 15.703 $\pm$ 15.359 χ^2/NDF : 100.3/77

asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.071 $\pm$ 0.026 χ^2 /NDF: 152087.2/15

Left Out: 109.000 $\pm$ 0.019 χ^2 /NDF: 1403557.2/21

Right Out: 96.367 $\pm$ 0.026 χ^2 /NDF: 214243.8/17

Left In: 107.943 $\pm$ 0.019 χ^2 /NDF: 1484691.6/21

Left: 108.460 $\pm$ 0.013 χ^2 /NDF: 2889787.8/43

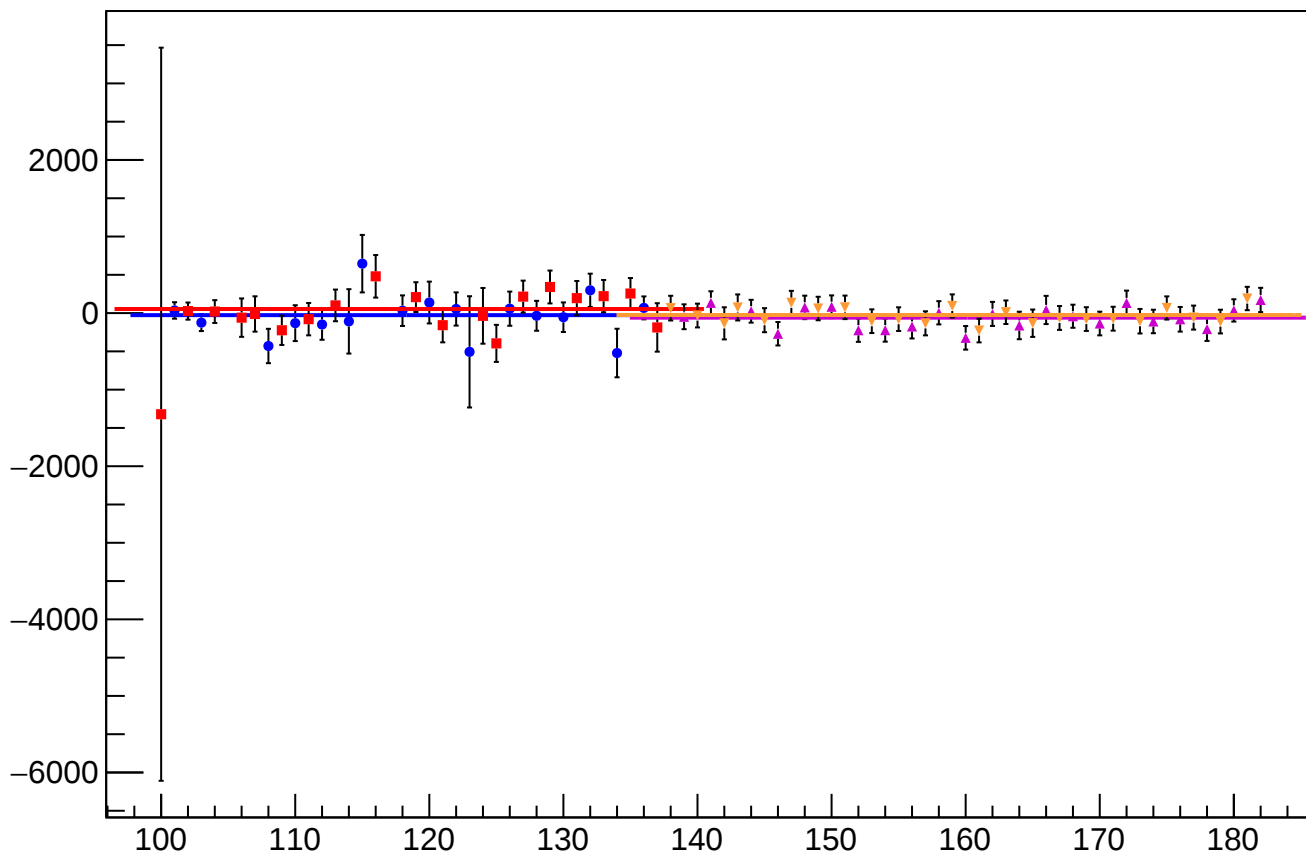
Right: 95.220 $\pm$ 0.018 χ^2 /NDF: 370227.5/33

In: 103.171 $\pm$ 0.015 χ^2 /NDF: 1823395.7/37

Out: 104.529 $\pm$ 0.015 χ^2 /NDF: 1770354.9/39

All: 103.841 $\pm$ 0.011 χ^2 /NDF: 3597656.4/77

reg_asym_dsr_mean vs Slug, Sign Corrected



Right In: -26.797 $\pm$ 46.841 χ^2 /NDF: 14.4/16

Left Out: -25.041 $\pm$ 32.977 χ^2 /NDF:9.8/22

Right Out: 53.384 $\pm$ 47.775 χ^2 /NDF: 15.4/18

Left In: -59.688 $\pm$ 33.218 χ^2 /NDF:17.5/21

Left: -42.239 $\pm$ 23.403 χ^2 /NDF: 27.8/44

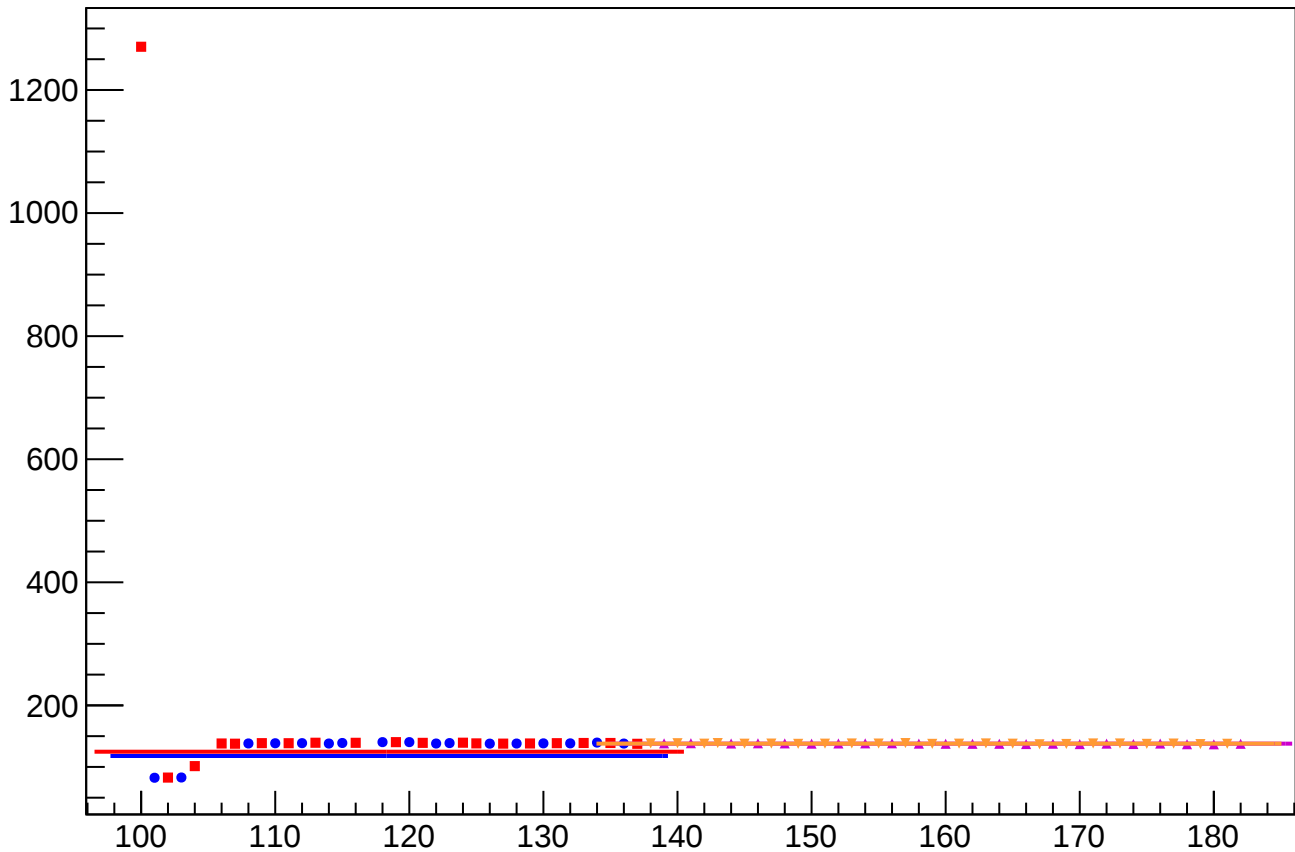
Right: 12.502 $\pm$ 33.447 χ^2 /NDF: 31.3/35

In: -48.682 $\pm$ 27.096 χ^2 /NDF:32.3/38

Out: 0.267 $\pm$ 27.139 χ^2 /NDF:27.0/41

All: -24.247 $\pm$ 19.175 χ^2 /NDF: 60.9/80

reg_asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.762 $\pm$ 0.033 χ^2 /NDF: 665636.8/16

Left Out: 137.851 $\pm$ 0.023 χ^2 /NDF: 404.6/22

Right Out: 124.724 $\pm$ 0.034 χ^2 /NDF: 569285.6/18

Left In: 137.810 $\pm$ 0.023 χ^2 /NDF: 456.5/21

Left: 137.831 $\pm$ 0.017 χ^2 /NDF: 862.6/44

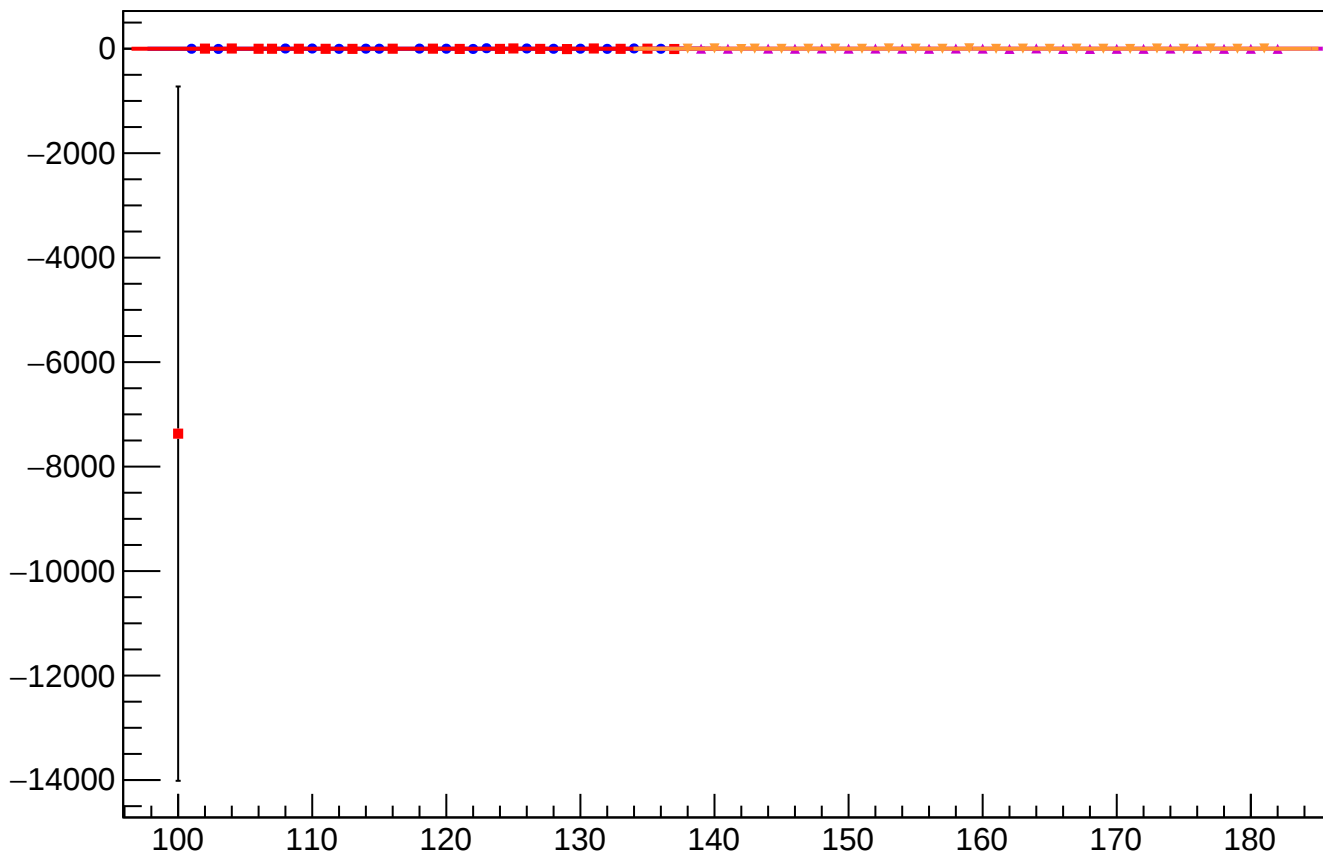
Right: 121.174 $\pm$ 0.024 χ^2 /NDF: 1256581.1/35

In: 131.101 $\pm$ 0.019 χ^2 /NDF: 909882.7/38

Out: 133.615 $\pm$ 0.019 χ^2 /NDF: 671953.0/41

All: 132.356 $\pm$ 0.014 χ^2 /NDF: 1590425.2/80

asym_dsr_correction_mean vs Slug, Sign Corrected



Right In: -0.719 $\pm$ 0.810 χ^2/NDF : 12.2/16

Left Out: 0.575 $\pm$ 0.585 χ^2/NDF : 28.2/22

Right Out: -0.638 $\pm$ 0.852 χ^2/NDF : 14.7/18

Left In: 0.205 $\pm$ 0.583 χ^2/NDF : 19.2/21

Left: 0.390 $\pm$ 0.413 χ^2/NDF : 47.6/44

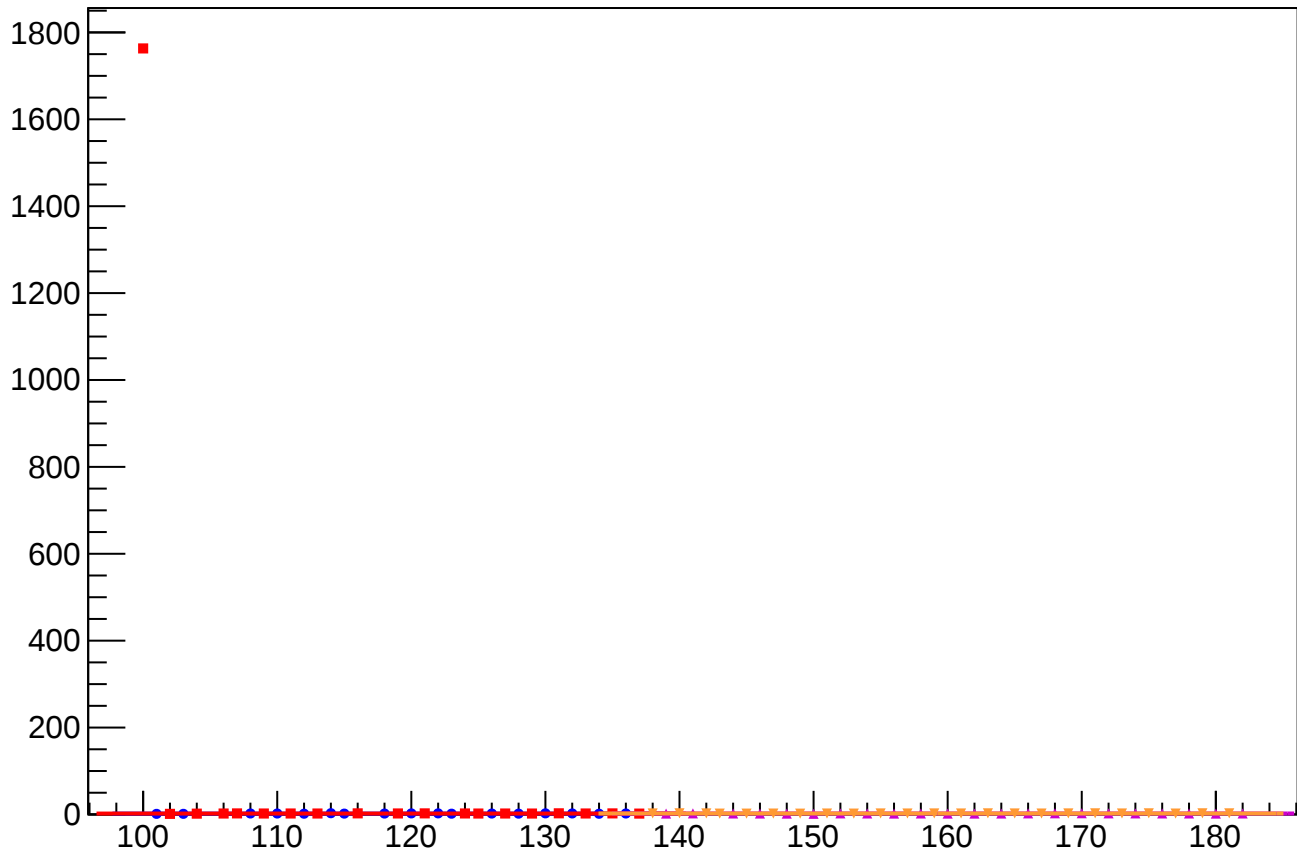
Right: -0.681 $\pm$ 0.587 χ^2/NDF : 26.9/35

In: -0.111 $\pm$ 0.473 χ^2/NDF : 32.3/38

Out: 0.186 $\pm$ 0.482 χ^2/NDF : 44.3/41

All: 0.035 $\pm$ 0.338 χ^2/NDF : 76.8/80

asym_dsr_correction_rms vs Slug, Sign Corrected



Right In: 1.865+/-0.001 χ^2/NDF : 489750.7/16

Left Out: 2.248+/-0.000 χ^2/NDF : 358043.7/22

Right Out: 2.064+/-0.001 χ^2/NDF : 521829.5/18

Left In: 2.191+/-0.000 χ^2/NDF : 509034.2/21

Left: 2.219+/-0.000 χ^2/NDF : 876587.1/44

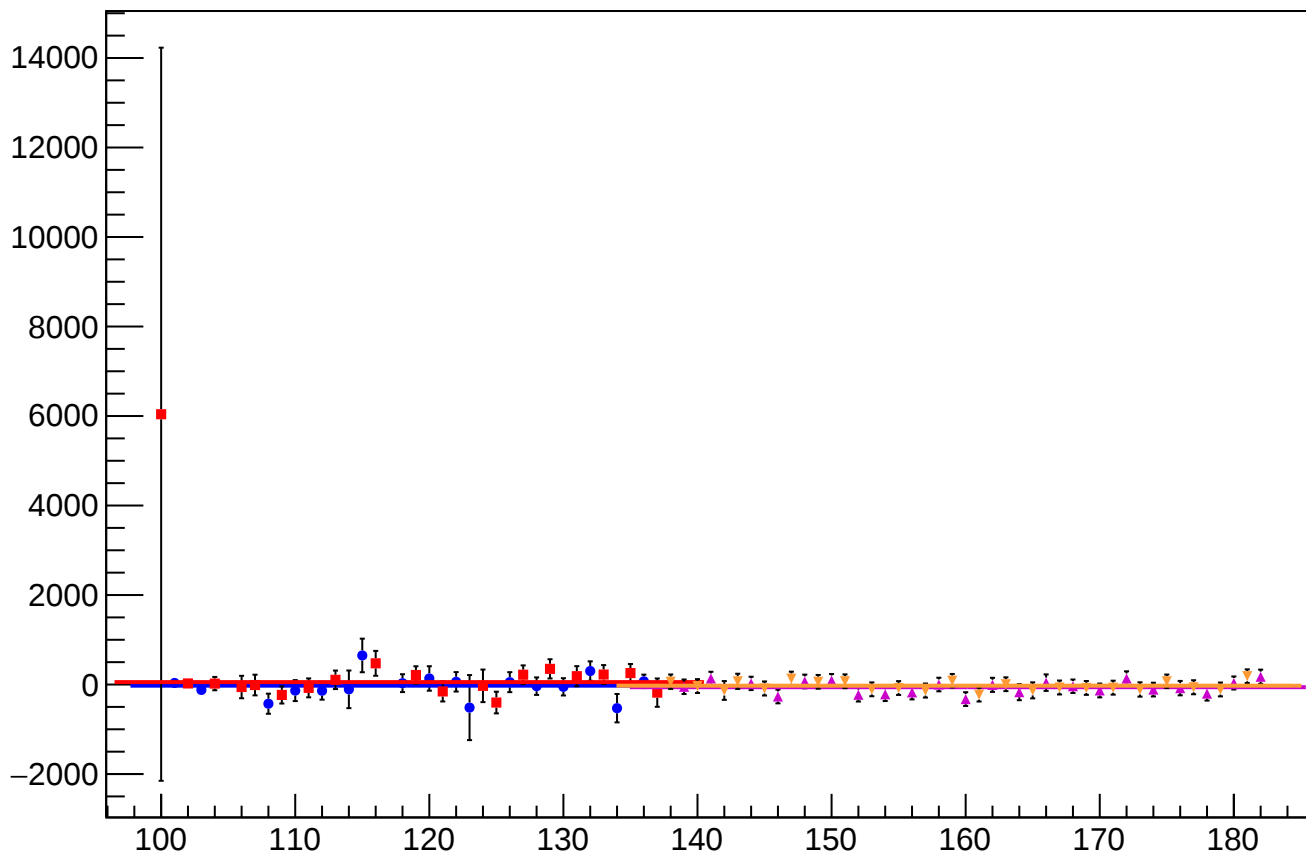
Right: 1.959+/-0.000 χ^2/NDF : 1068448.1/35

In: 2.080+/-0.000 χ^2/NDF : 1211407.2/38

Out: 2.189+/-0.000 χ^2/NDF : 943324.8/41

All: 2.133+/-0.000 χ^2/NDF : 2206854.7/80

asym_dsr_mean vs Slug, Sign Corrected



Right In: -25.059+/-46.854 χ^2/NDF : 14.5/16

Left Out: -25.764+/-32.986 χ^2/NDF : 9.5/22

Right Out: 54.286+/-47.789 χ^2/NDF : 16.1/18

Left In: -59.575+/-33.227 χ^2/NDF : 17.6/21

Left: -42.546+/-23.409 χ^2/NDF : 27.6/44

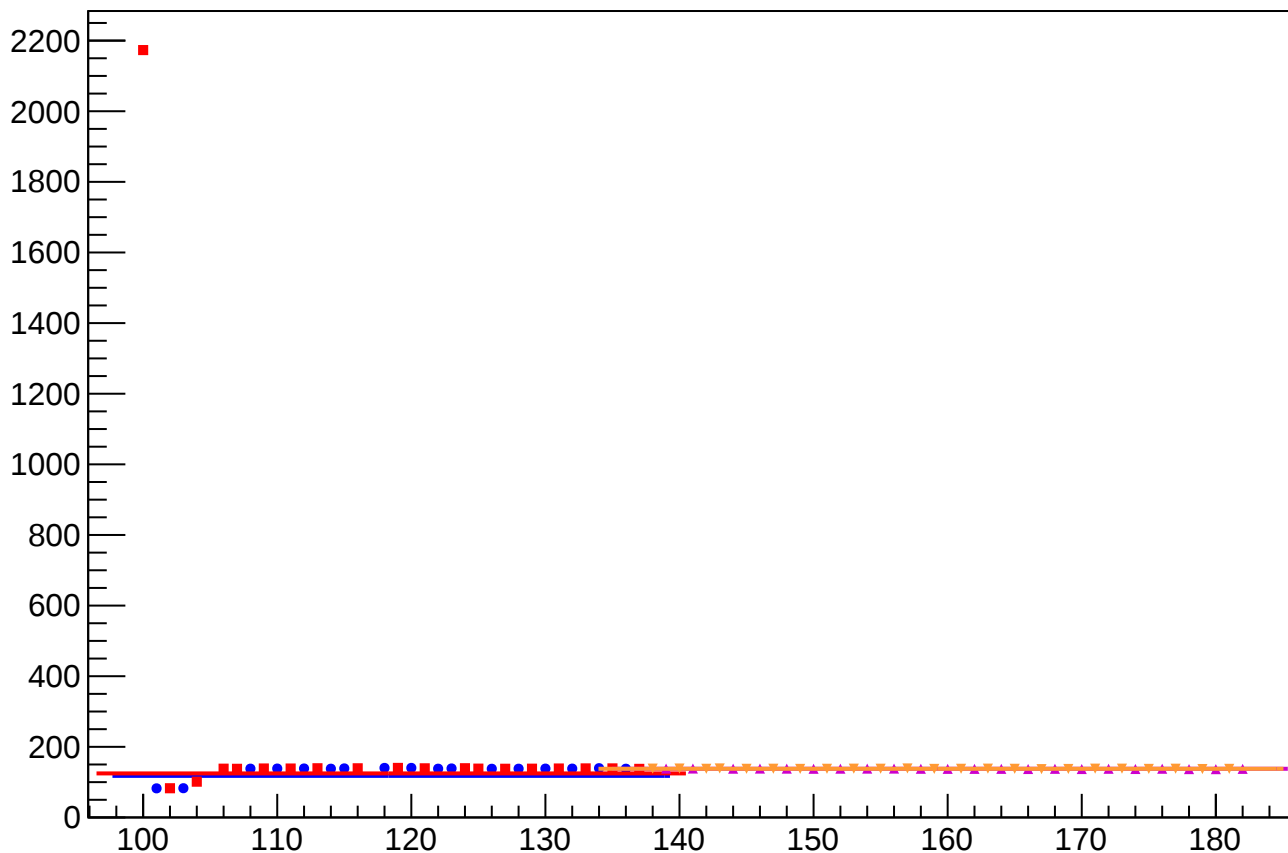
Right: 13.829+/-33.456 χ^2/NDF : 32.0/35

In: -48.025+/-27.103 χ^2/NDF : 32.4/38

Out: 0.068+/-27.147 χ^2/NDF : 27.5/41

All: -24.017+/-19.180 χ^2/NDF : 61.5/80

asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.793+/-0.033 χ^2/NDF : 665675.4/16

Left Out: 137.889+/-0.023 χ^2/NDF : 402.0/22

Right Out: 124.713+/-0.034 χ^2/NDF : 579862.1/18

Left In: 137.849+/-0.023 χ^2/NDF : 453.5/21

Left: 137.869+/-0.017 χ^2/NDF : 857.0/44

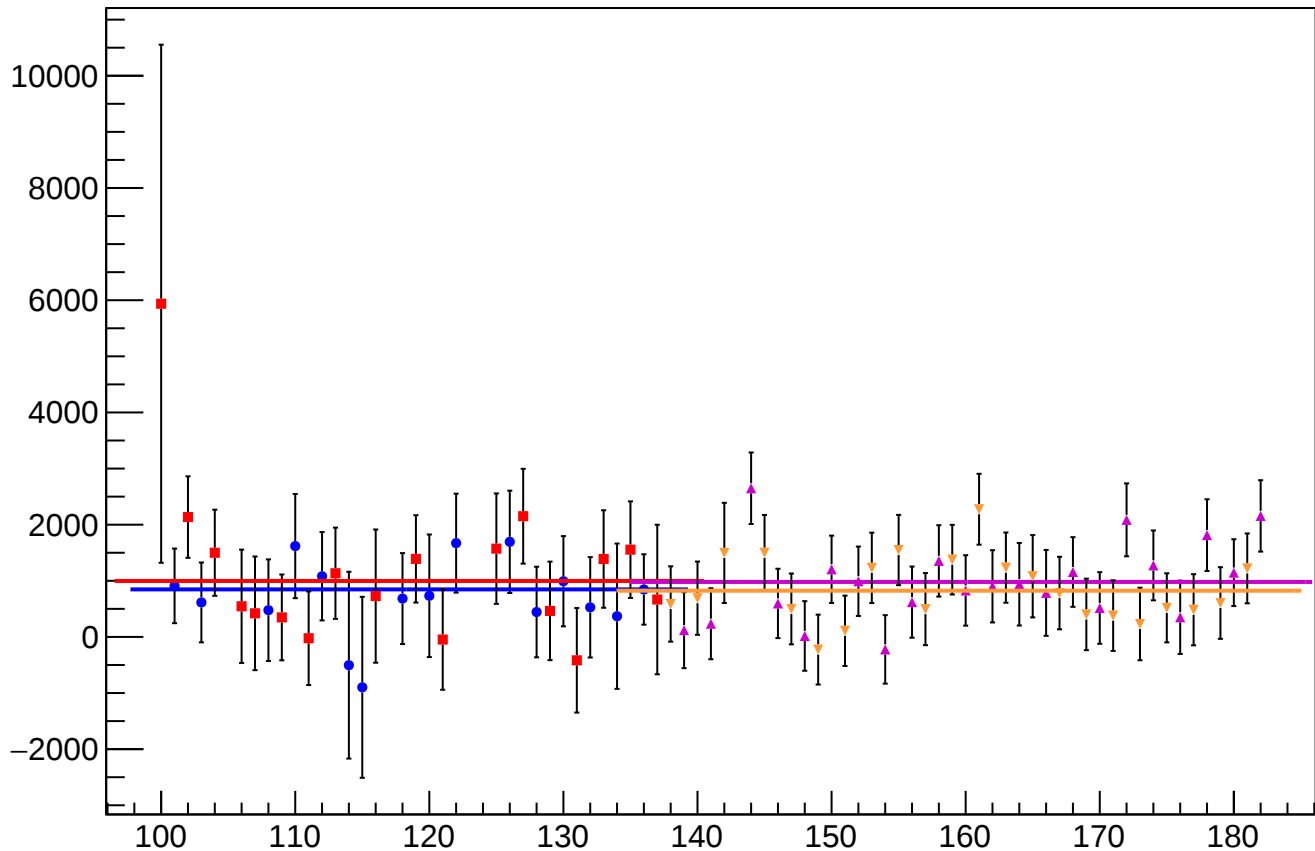
Right: 121.185+/-0.024 χ^2/NDF : 1266918.2/35

In: 131.138+/-0.019 χ^2/NDF : 909954.7/38

Out: 133.637+/-0.019 χ^2/NDF : 683238.8/41

All: 132.386+/-0.014 χ^2/NDF : 1601684.2/80

reg_asym_left_avg_mean vs Slug, Sign Corrected



Right In: 847.032 $\pm$ 216.666 χ^2 /NDF: 5.2/15

Left Out: 823.892 $\pm$ 137.832 χ^2 /NDF: 17.6/21

Right Out: 997.112 $\pm$ 213.264 χ^2 /NDF: 14.0/17

Left In: 979.796 $\pm$ 136.094 χ^2 /NDF: 27.4/21

Left: 902.833 $\pm$ 96.842 χ^2 /NDF: 45.6/43

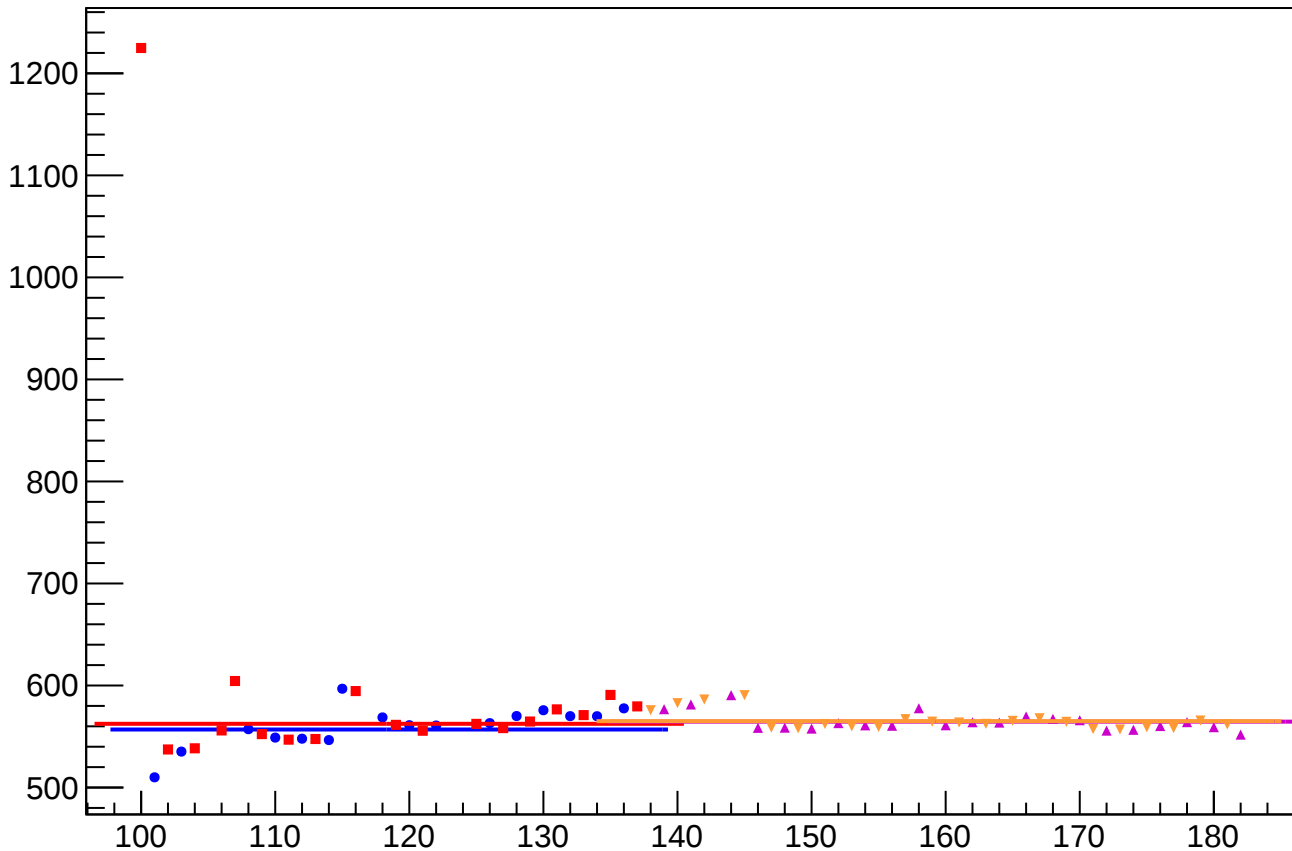
Right: 923.259 $\pm$ 151.989 χ^2 /NDF: 19.5/33

In: 942.235 $\pm$ 115.245 χ^2 /NDF: 32.8/37

Out: 874.928 $\pm$ 115.760 χ^2 /NDF: 32.2/39

All: 908.731 $\pm$ 81.672 χ^2 /NDF: 65.2/77

reg_asym_left_avg_rms vs Slug, Sign Corrected



Right In: 556.871 $\pm$ 0.153 χ^2 /NDF: 18555.7/15

Left Out: 565.058 $\pm$ 0.097 χ^2 /NDF: 7948.0/21

Right Out: 562.460 $\pm$ 0.151 χ^2 /NDF: 55550.6/17

Left In: 564.572 $\pm$ 0.096 χ^2 /NDF: 8982.5/21

Left: 564.812 $\pm$ 0.068 χ^2 /NDF: 16943.1/43

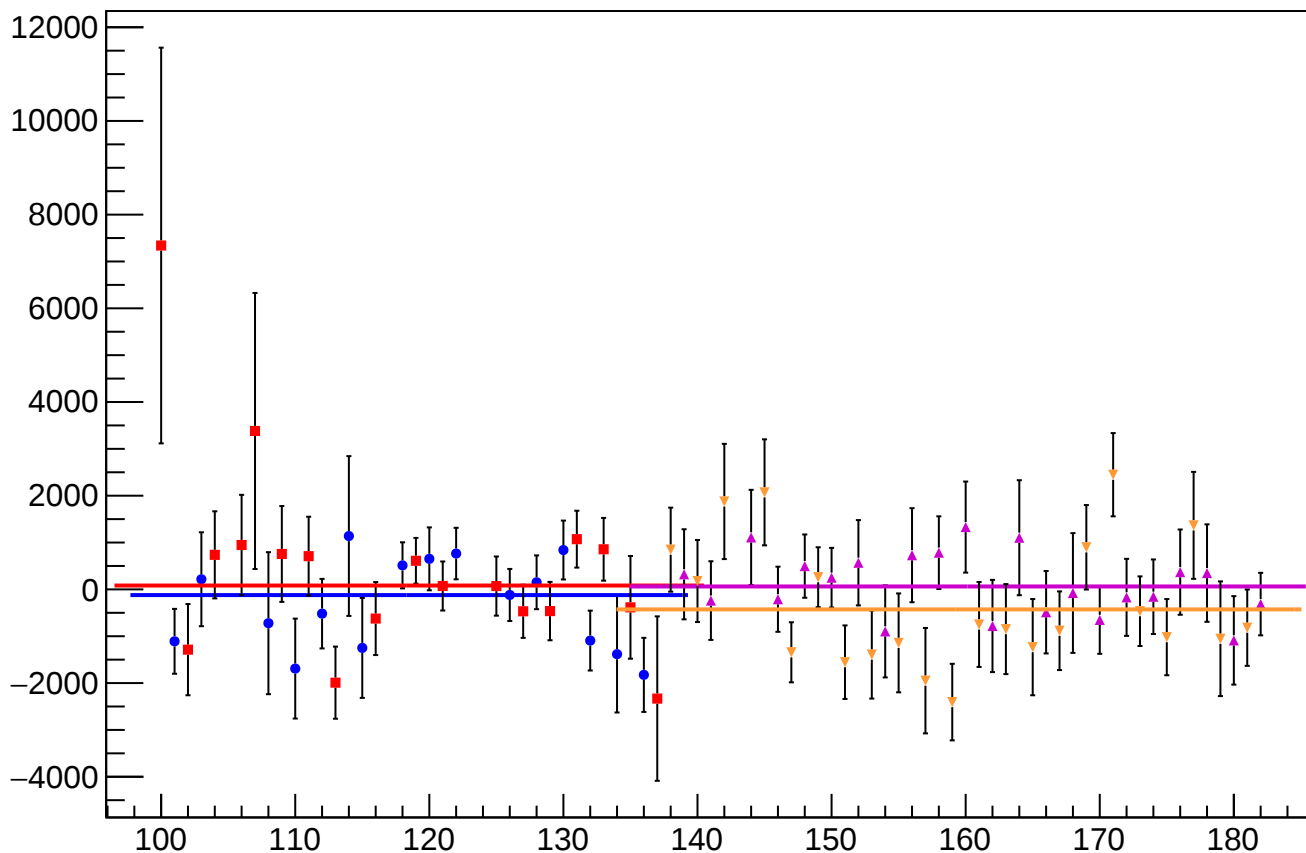
Right: 559.710 $\pm$ 0.107 χ^2 /NDF: 74782.1/33

In: 562.393 $\pm$ 0.081 χ^2 /NDF: 29349.9/37

Out: 564.292 $\pm$ 0.082 χ^2 /NDF: 63707.9/39

All: 563.339 $\pm$ 0.058 χ^2 /NDF: 93328.2/77

asym_left_avg_correction_mean vs Slug, Sign Corrected



Right In: -121.777+/-180.788 χ^2/NDF : 22.6/15

Left Out: -427.248+/-188.188 χ^2/NDF : 42.7/21

Right Out: 82.274+/-179.330 χ^2/NDF : 25.3/17

Left In: 62.587+/-181.919 χ^2/NDF : 11.2/21

Left: -174.036+/-130.796 χ^2/NDF : 57.4/43

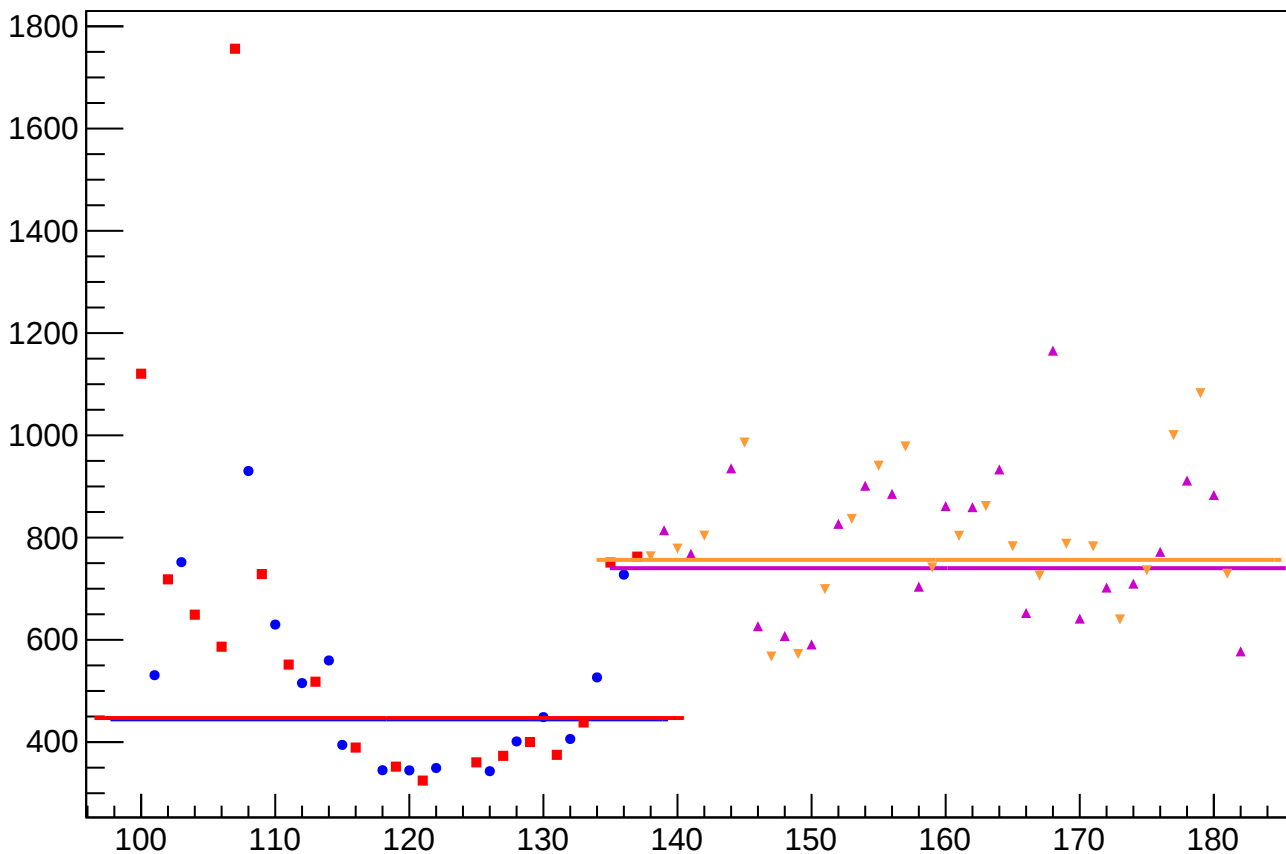
Right: -18.926+/-127.318 χ^2/NDF : 48.5/33

In: -30.170+/-128.234 χ^2/NDF : 34.2/37

Out: -160.214+/-129.824 χ^2/NDF : 71.9/39

All: -94.391+/-91.232 χ^2/NDF : 106.6/77

asym_left_avg_correction_rms vs Slug, Sign Corrected



Right In: 444.510+/-0.128 χ^2/NDF : 1052706.5/15

Left Out: 756.409+/-0.133 χ^2/NDF : 914211.1/21

Right Out: 447.043+/-0.127 χ^2/NDF : 1454919.9/17

Left In: 740.164+/-0.129 χ^2/NDF : 1064011.9/21

Left: 748.011+/-0.092 χ^2/NDF : 1985926.6/43

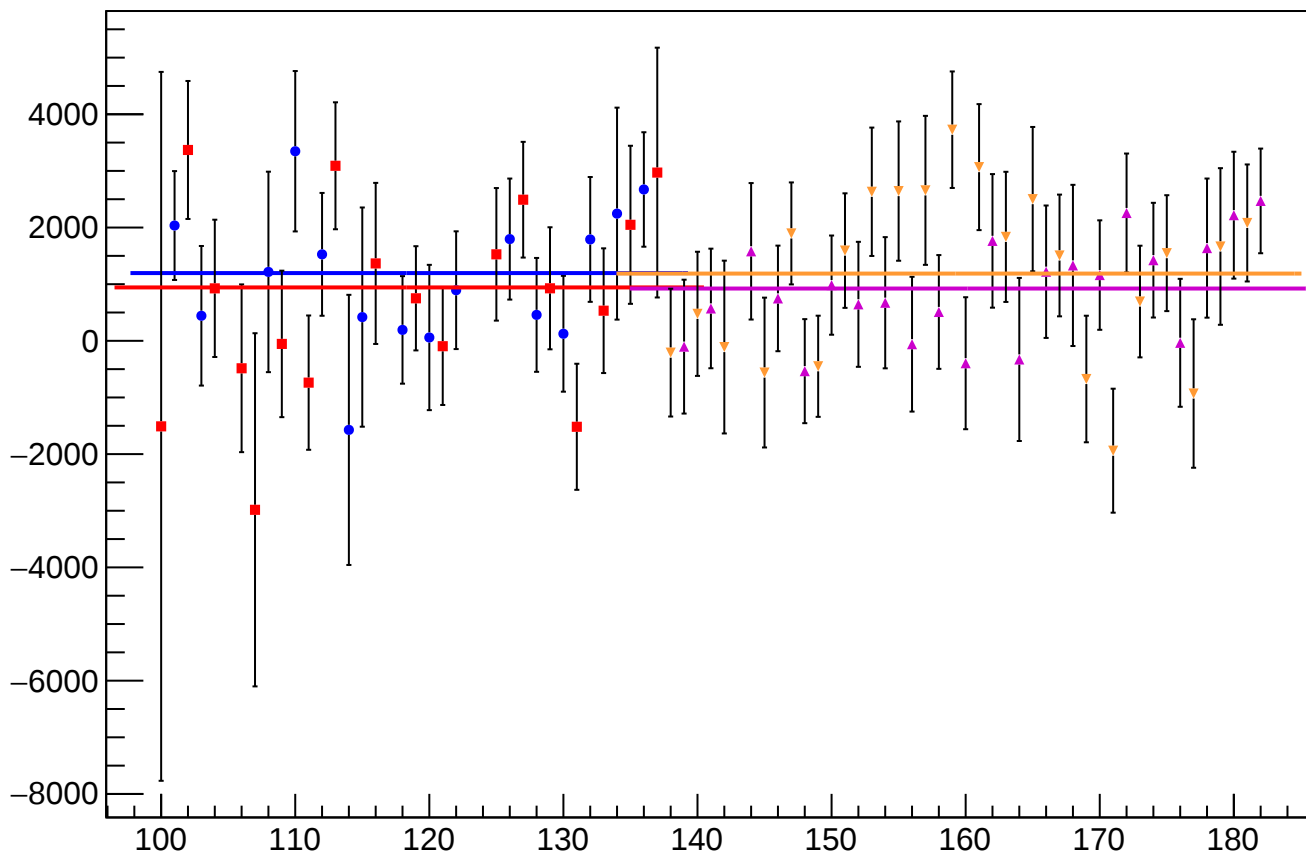
Right: 445.787+/-0.090 χ^2/NDF : 2507824.2/33

In: 591.415+/-0.091 χ^2/NDF : 4774455.9/37

Out: 594.274+/-0.092 χ^2/NDF : 5201797.3/39

All: 592.827+/-0.065 χ^2/NDF : 9976744.0/77

asym_left_avg_mean vs Slug, Sign Corrected



Right In: 1196.174 $\pm$ 296.098 χ^2 /NDF: 11.7/15

Left Out: 1187.270 $\pm$ 237.298 χ^2 /NDF:38.1/21

Right Out: 942.782 $\pm$ 294.221 χ^2 /NDF: 23.1/17

Left In: 923.266 $\pm$ 231.001 χ^2 /NDF:14.5/21

Left: 1051.718 $\pm$ 165.524 χ^2 /NDF: 53.2/43

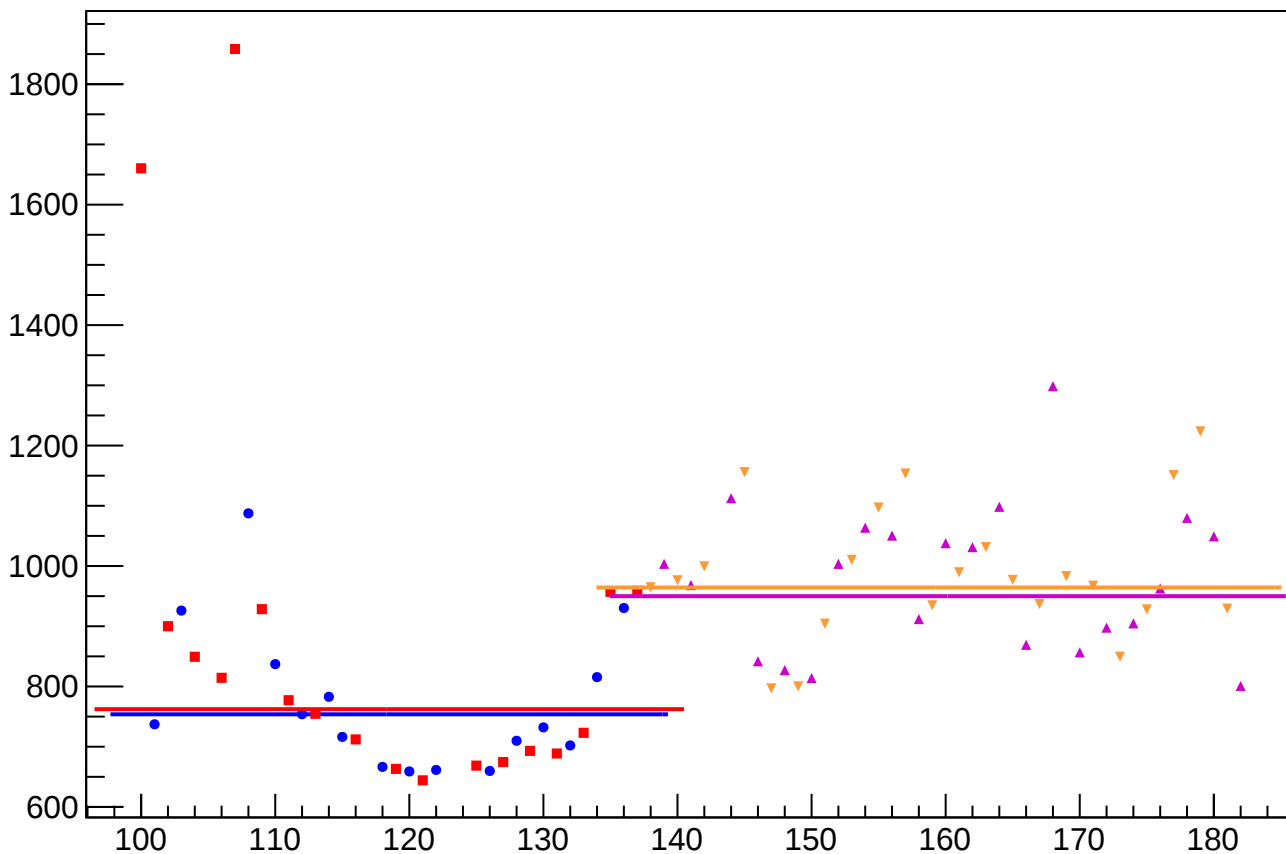
Right: 1068.673 $\pm$ 208.706 χ^2 /NDF: 35.2/33

In: 1026.522 $\pm$ 182.131 χ^2 /NDF:26.8/37

Out: 1090.913 $\pm$ 184.709 χ^2 /NDF:61.6/39

All: 1058.265 $\pm$ 129.688 χ^2 /NDF: 88.4/77

asym_left_avg_rms vs Slug, Sign Corrected



Right In: 753.808+/-0.209 χ^2/NDF : 250129.9/15

Left Out: 964.319+/-0.168 χ^2/NDF : 409590.9/21

Right Out: 762.317+/-0.208 χ^2/NDF : 513801.4/17

Left In: 949.930+/-0.163 χ^2/NDF : 483032.7/21

Left: 956.931+/-0.117 χ^2/NDF : 896399.5/43

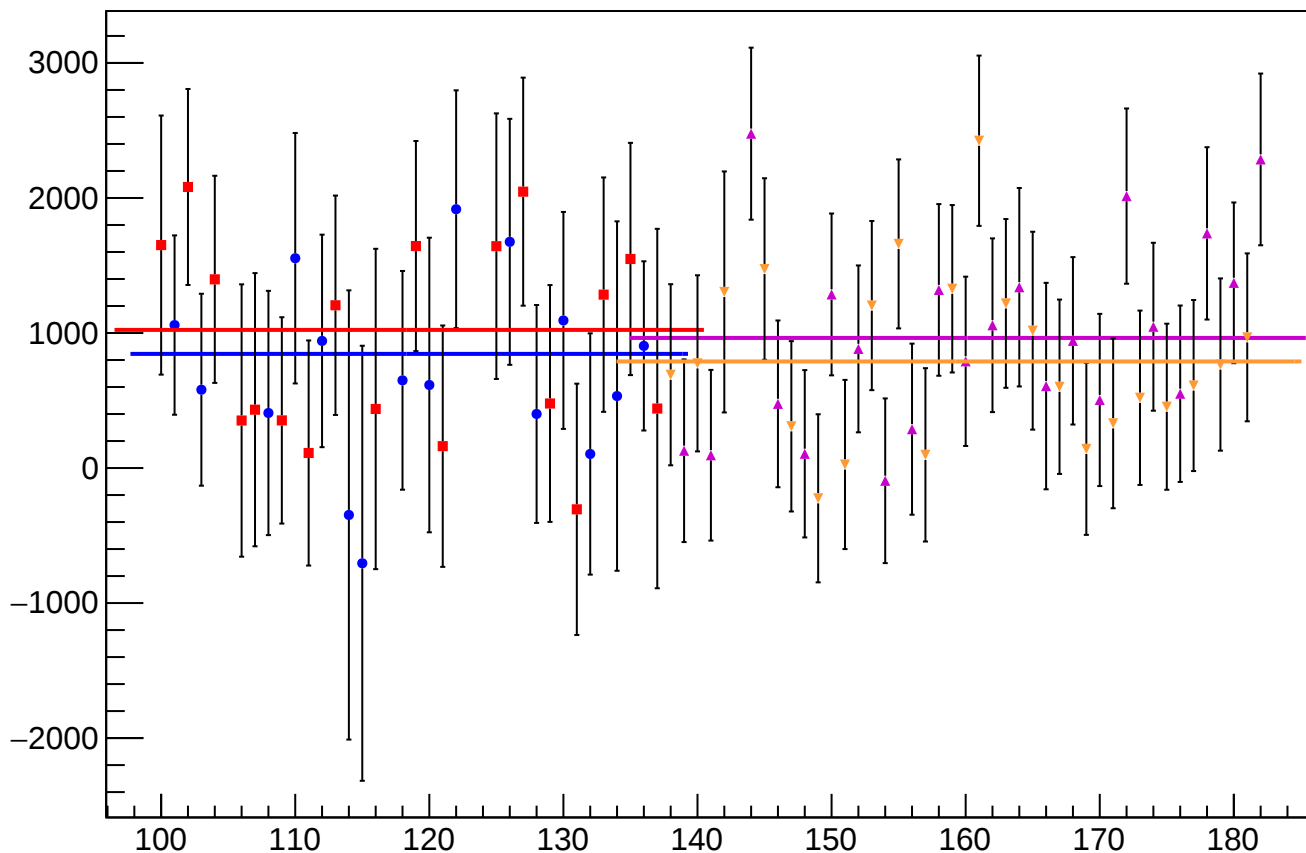
Right: 758.089+/-0.148 χ^2/NDF : 764762.2/33

In: 875.726+/-0.129 χ^2/NDF : 1278611.4/37

Out: 884.706+/-0.131 χ^2/NDF : 1494587.4/39

All: 880.153+/-0.092 χ^2/NDF : 2775595.6/77

reg_asym_left_dd_mean vs Slug, Sign Corrected



Right In: 845.362 $\pm$ 216.498 χ^2/NDF : 6.1/15

Left Out: 789.362 $\pm$ 137.718 χ^2/NDF : 20.0/21

Right Out: 1023.052 $\pm$ 208.229 χ^2/NDF : 12.4/17

Left In: 963.479 $\pm$ 135.985 χ^2/NDF : 26.8/21

Left: 877.523 $\pm$ 96.763 χ^2/NDF : 47.5/43

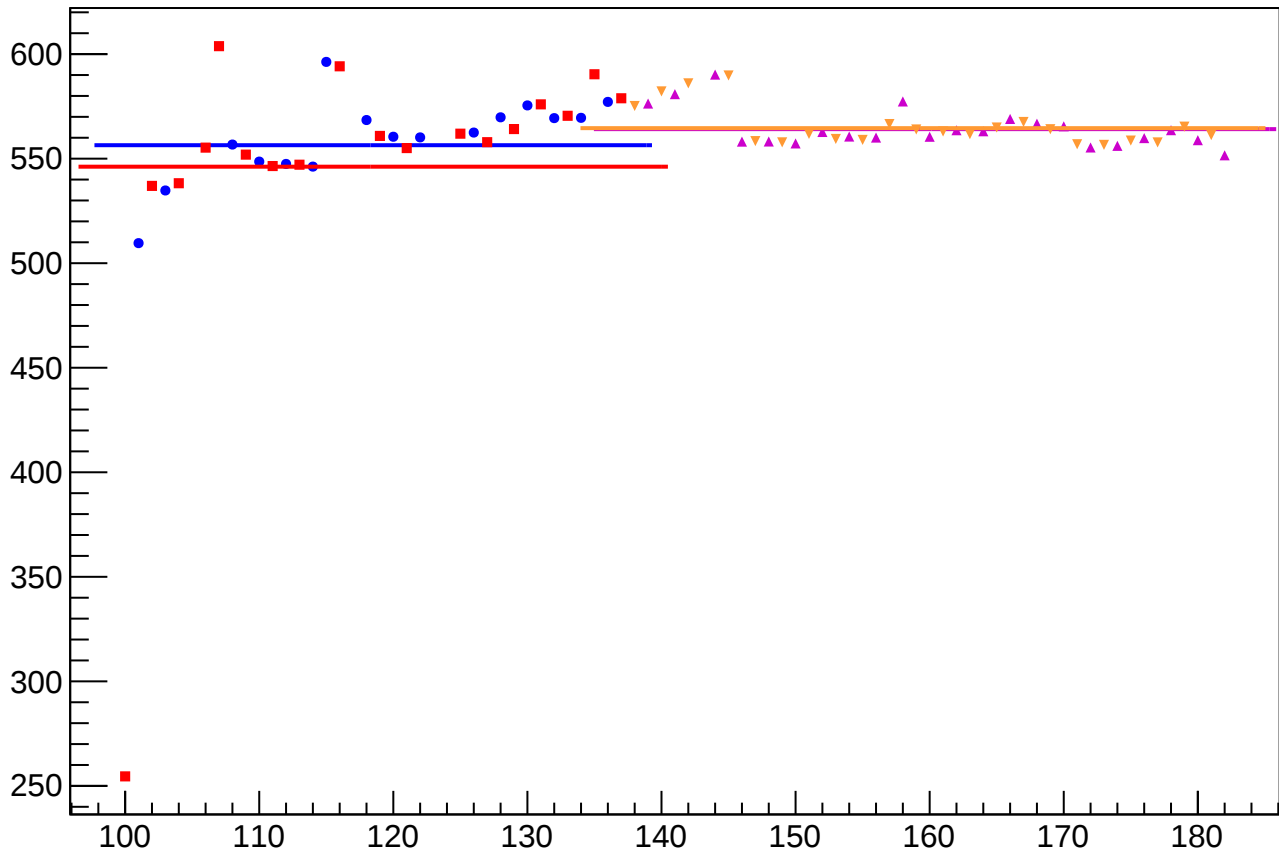
Right: 937.665 $\pm$ 150.078 χ^2/NDF : 18.8/33

In: 930.062 $\pm$ 115.154 χ^2/NDF : 33.1/37

Out: 860.476 $\pm$ 114.868 χ^2/NDF : 33.2/39

All: 895.183 $\pm$ 81.325 χ^2/NDF : 66.4/77

reg_asym_left_dd_rms vs Slug, Sign Corrected



Right In: 556.437 $\pm$ 0.153 χ^2 /NDF: 18580.5/15

Left Out: 564.591 $\pm$ 0.097 χ^2 /NDF: 7887.3/21

Right Out: 546.163 $\pm$ 0.147 χ^2 /NDF: 208134.5/17

Left In: 564.122 $\pm$ 0.096 χ^2 /NDF: 8980.3/21

Left: 564.353 $\pm$ 0.068 χ^2 /NDF: 16879.3/43

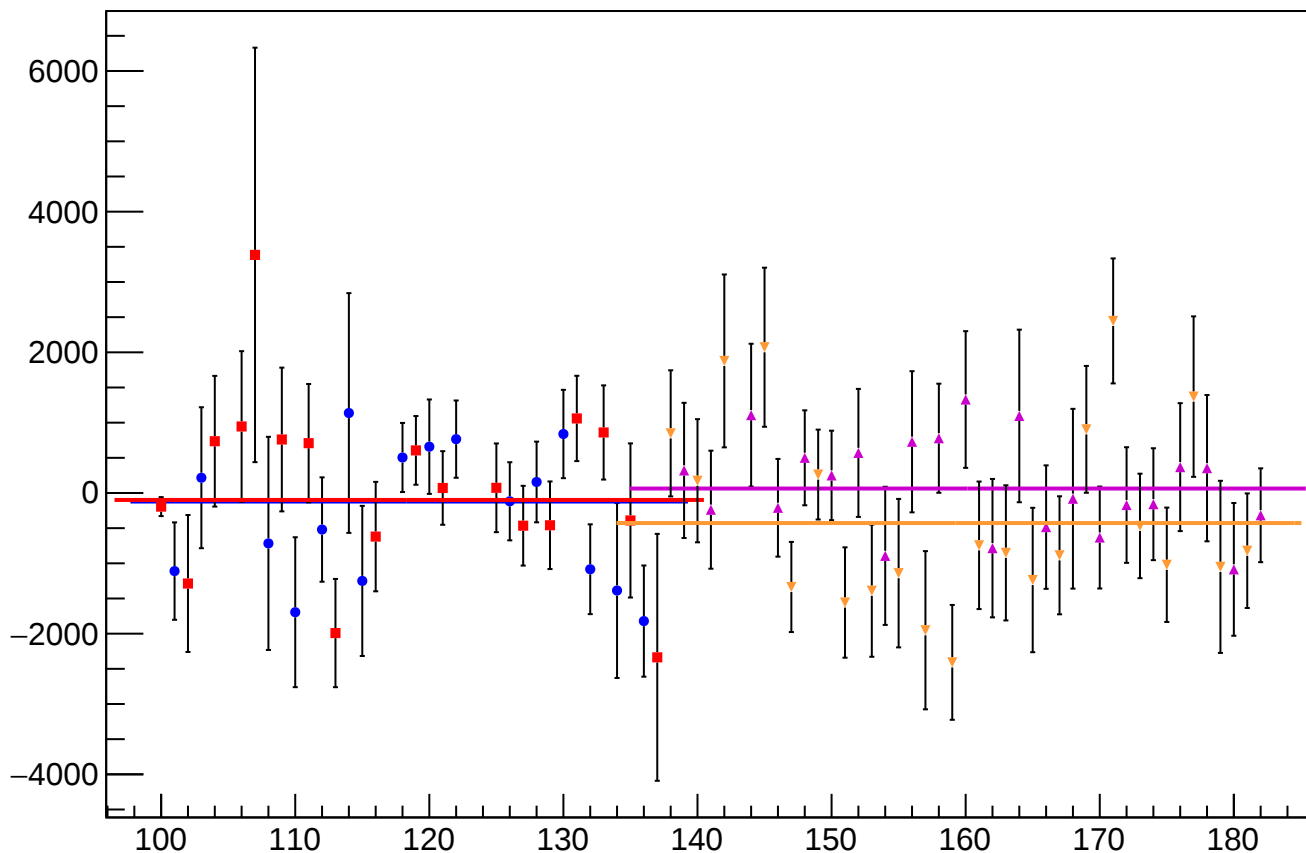
Right: 551.100 $\pm$ 0.106 χ^2 /NDF: 229054.7/33

In: 561.948 $\pm$ 0.081 χ^2 /NDF: 29367.7/37

Out: 558.983 $\pm$ 0.081 χ^2 /NDF: 226918.8/39

All: 560.462 $\pm$ 0.058 χ^2 /NDF: 256950.9/77

asym_left_dd_correction_mean vs Slug, Sign Corrected



Right In: -121.208 ± 180.699 $\chi^2/\text{NDF}: 22.5/15$

Left Out: -427.117 ± 188.113 $\chi^2/\text{NDF}: 42.8/21$

Right Out: -98.790 ± 107.853 $\chi^2/\text{NDF}: 23.7/17$

Left In: 63.443 ± 181.842 $\chi^2/\text{NDF}: 11.1/21$

Left: -173.525 ± 130.743 $\chi^2/\text{NDF}: 57.4/43$

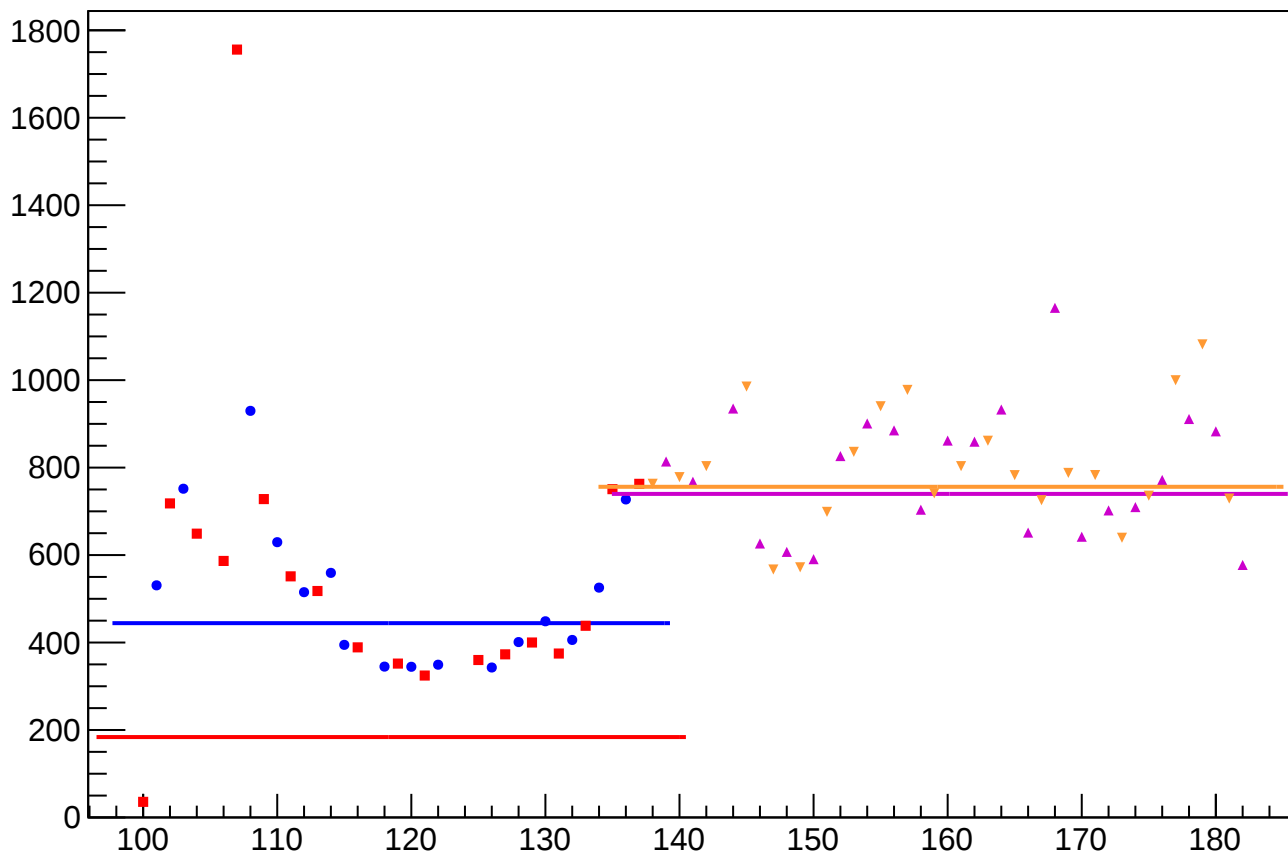
Right: -104.679 ± 92.611 $\chi^2/\text{NDF}: 46.2/33$

In: -29.464 ± 128.176 $\chi^2/\text{NDF}: 34.1/37$

Out: -180.017 ± 93.565 $\chi^2/\text{NDF}: 68.7/39$

All: -127.681 ± 75.572 $\chi^2/\text{NDF}: 103.8/77$

asym_left_dd_correction_rms vs Slug, Sign Corrected



Right In: 444.298+/-0.128 χ^2/NDF : 1052547.8/15

Left Out: 756.124+/-0.133 χ^2/NDF : 914524.3/21

Right Out: 183.834+/-0.076 χ^2/NDF : 8072183.4/17

Left In: 739.853+/-0.129 χ^2/NDF : 1063870.3/21

Left: 747.712+/-0.092 χ^2/NDF : 1986129.7/43

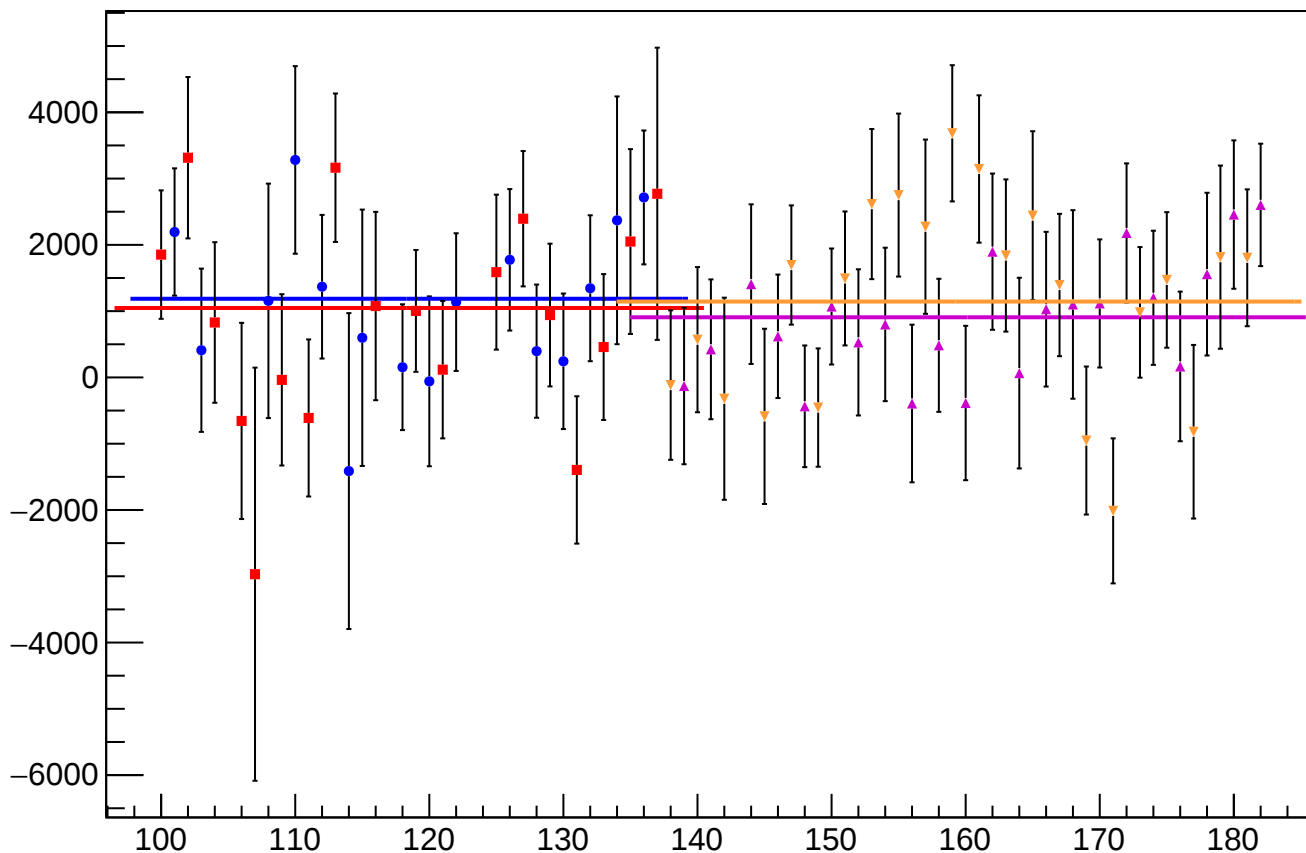
Right: 252.250+/-0.065 χ^2/NDF : 12188638.4/33

In: 591.144+/-0.091 χ^2/NDF : 4774788.8/37

Out: 325.415+/-0.066 χ^2/NDF : 22918034.6/39

All: 417.789+/-0.053 χ^2/NDF : 33300588.3/77

asym_left_dd_mean vs Slug, Sign Corrected



Right In: 1186.962 $\pm$ 295.897 χ^2 /NDF: 11.6/15

Left Out: 1144.676 $\pm$ 237.164 χ^2 /NDF:37.7/21

Right Out: 1047.656 $\pm$ 281.637 χ^2 /NDF: 22.4/17

Left In: 907.477 $\pm$ 230.872 χ^2 /NDF:14.8/21

Left: 1022.888 $\pm$ 165.431 χ^2 /NDF: 53.0/43

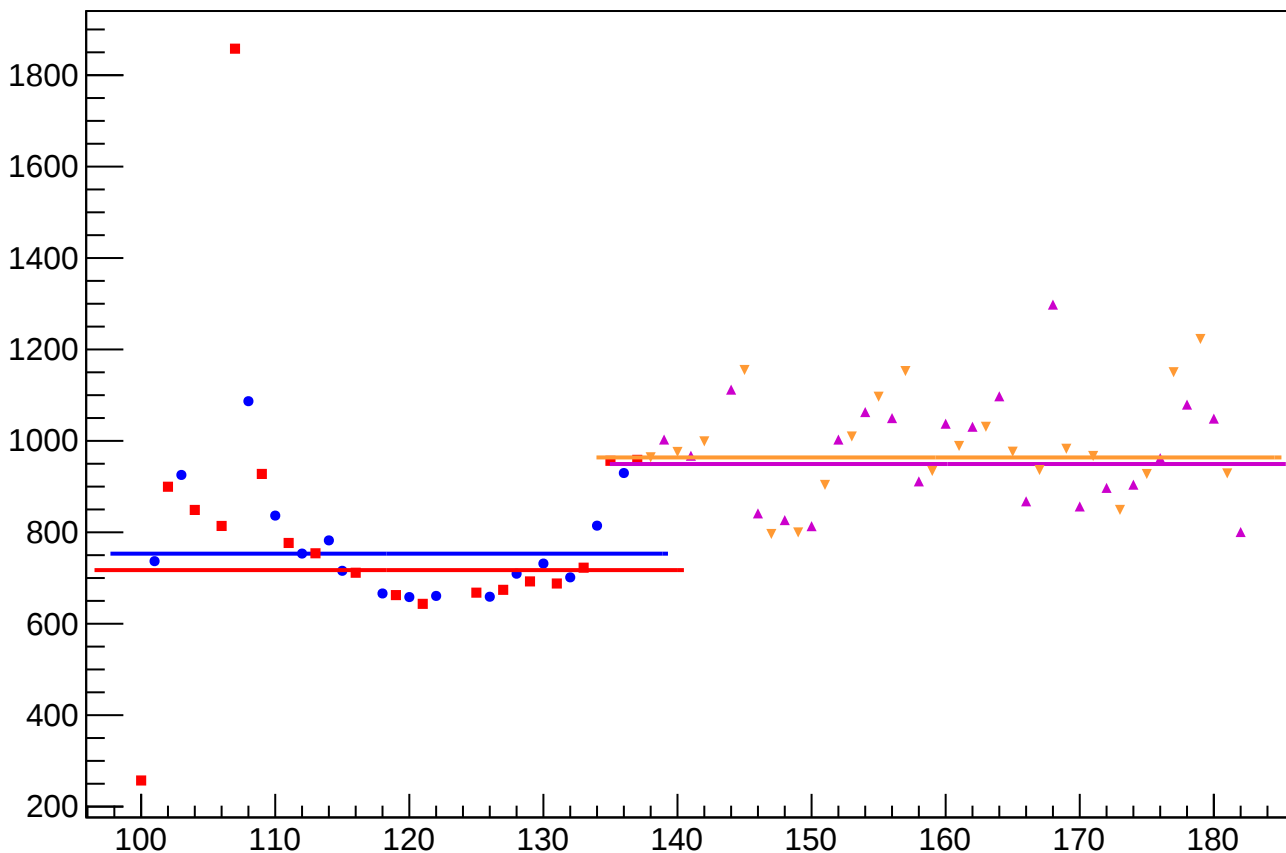
Right: 1113.871 $\pm$ 204.002 χ^2 /NDF: 34.2/33

In: 1013.237 $\pm$ 182.021 χ^2 /NDF:27.0/37

Out: 1104.422 $\pm$ 181.411 χ^2 /NDF:60.2/39

All: 1058.983 $\pm$ 128.492 χ^2 /NDF: 87.3/77

asym_left_dd_rms vs Slug, Sign Corrected



Right In: 753.290 ± 0.209 χ^2/NDF : 250330.3/15

Left Out: 963.786 ± 0.168 χ^2/NDF : 409431.3/21

Right Out: 717.327 ± 0.199 χ^2/NDF : 965686.8/17

Left In: 949.395 ± 0.163 χ^2/NDF : 483123.7/21

Left: 956.397 ± 0.117 χ^2/NDF : 896336.3/43

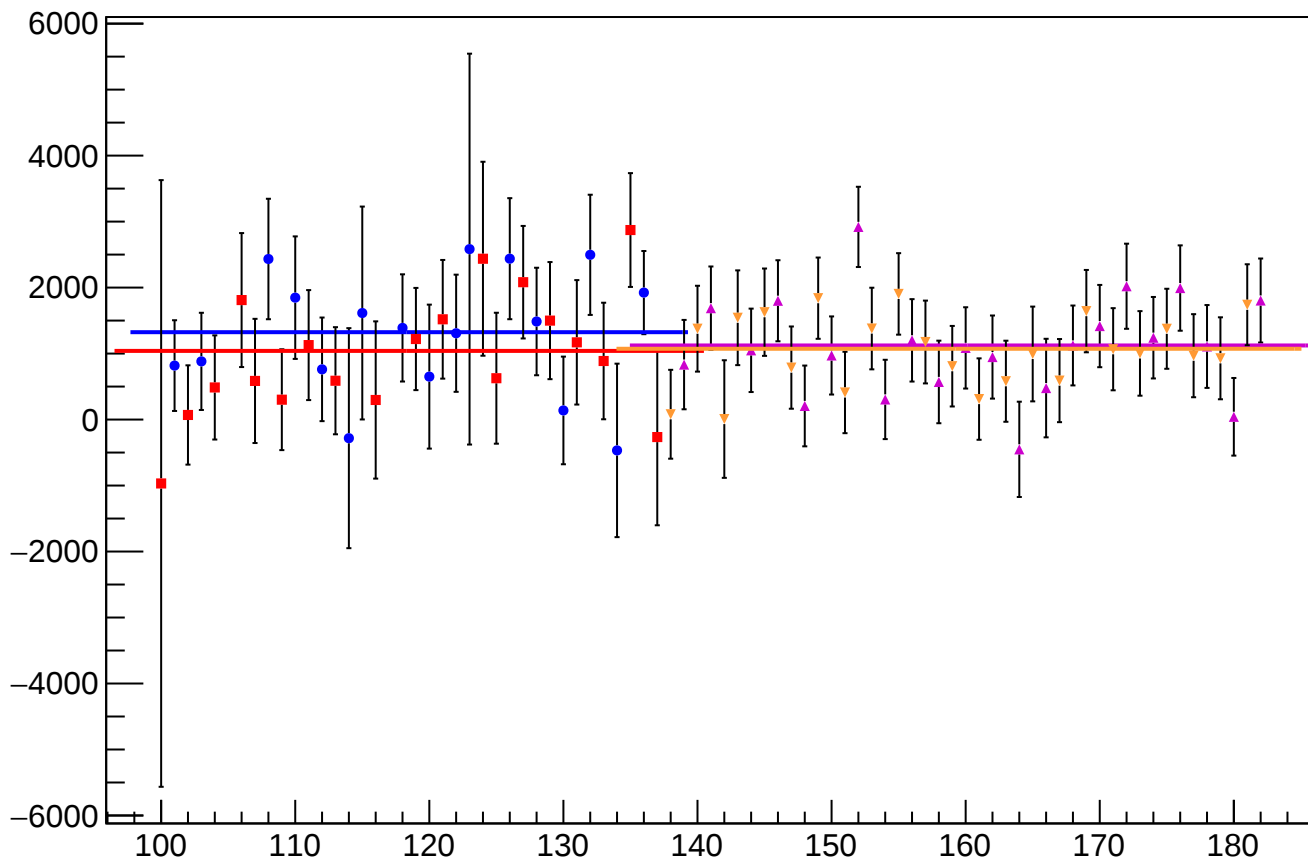
Right: 734.421 ± 0.144 χ^2/NDF : 1231518.2/33

In: 875.187 ± 0.129 χ^2/NDF : 1279495.9/37

Out: 861.529 ± 0.128 χ^2/NDF : 2271244.0/39

All: 868.335 ± 0.091 χ^2/NDF : 3556388.6/77

reg_asym_right_avg_mean vs Slug, Sign Corrected



Right In: 1324.051 $\pm$ 218.600 χ^2 /NDF: 12.8/16

Left Out: 1072.752 $\pm$ 133.437 χ^2 /NDF:15.3/22

Right Out: 1040.501 $\pm$ 212.080 χ^2 /NDF: 13.5/18

Left In: 1122.877 $\pm$ 134.299 χ^2 /NDF:30.0/21

Left: 1097.653 $\pm$ 94.657 χ^2 /NDF: 45.3/44

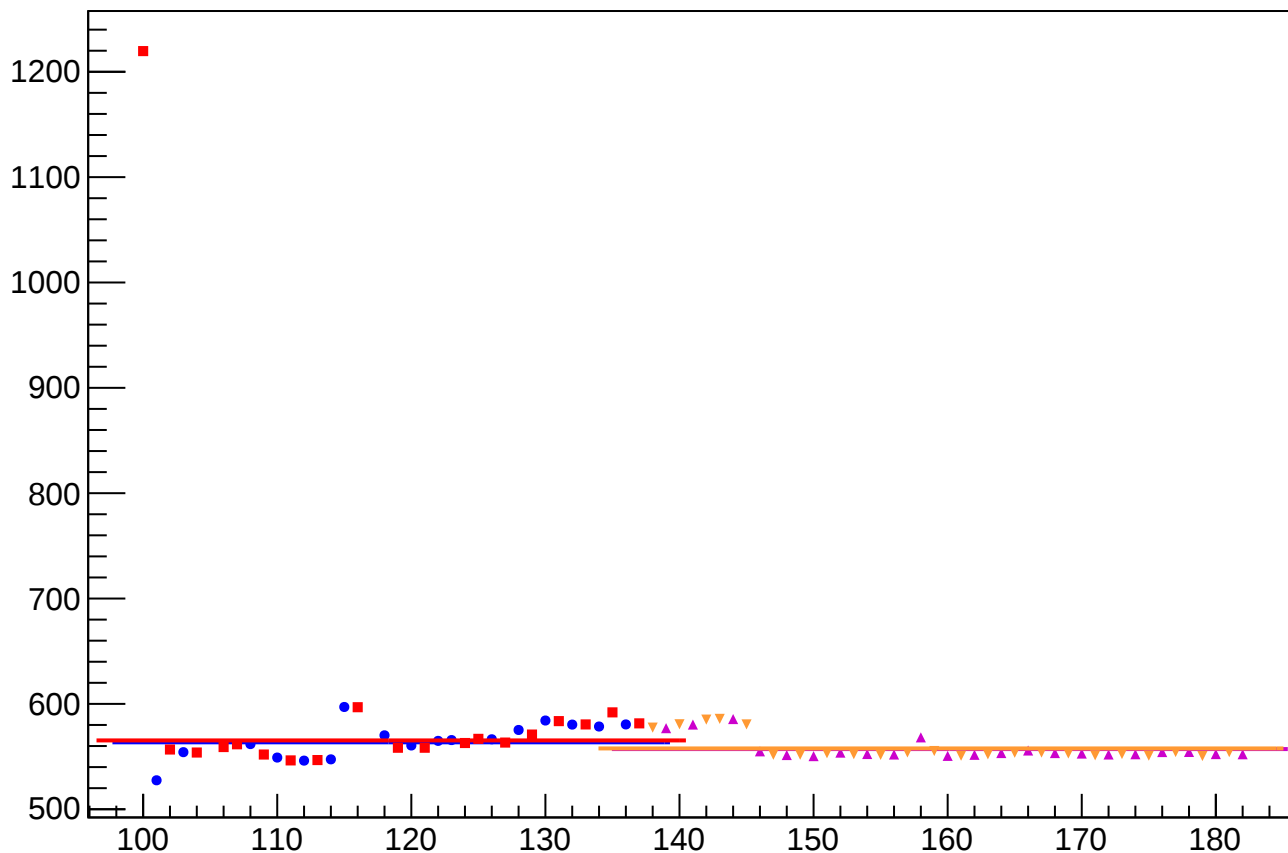
Right: 1177.984 $\pm$ 152.216 χ^2 /NDF: 27.2/35

In: 1178.002 $\pm$ 114.429 χ^2 /NDF:43.4/38

Out: 1063.605 $\pm$ 112.941 χ^2 /NDF:28.8/41

All: 1120.055 $\pm$ 80.382 χ^2 /NDF: 72.7/80

reg_asym_right_avg_rms vs Slug, Sign Corrected



Right In: 563.522 $\pm$ 0.155 χ^2 /NDF: 12614.9/16

Left Out: 557.716 $\pm$ 0.094 χ^2 /NDF: 14170.5/22

Right Out: 565.327 $\pm$ 0.150 χ^2 /NDF: 49346.9/18

Left In: 557.108 $\pm$ 0.095 χ^2 /NDF: 11082.8/21

Left: 557.414 $\pm$ 0.067 χ^2 /NDF: 25274.0/44

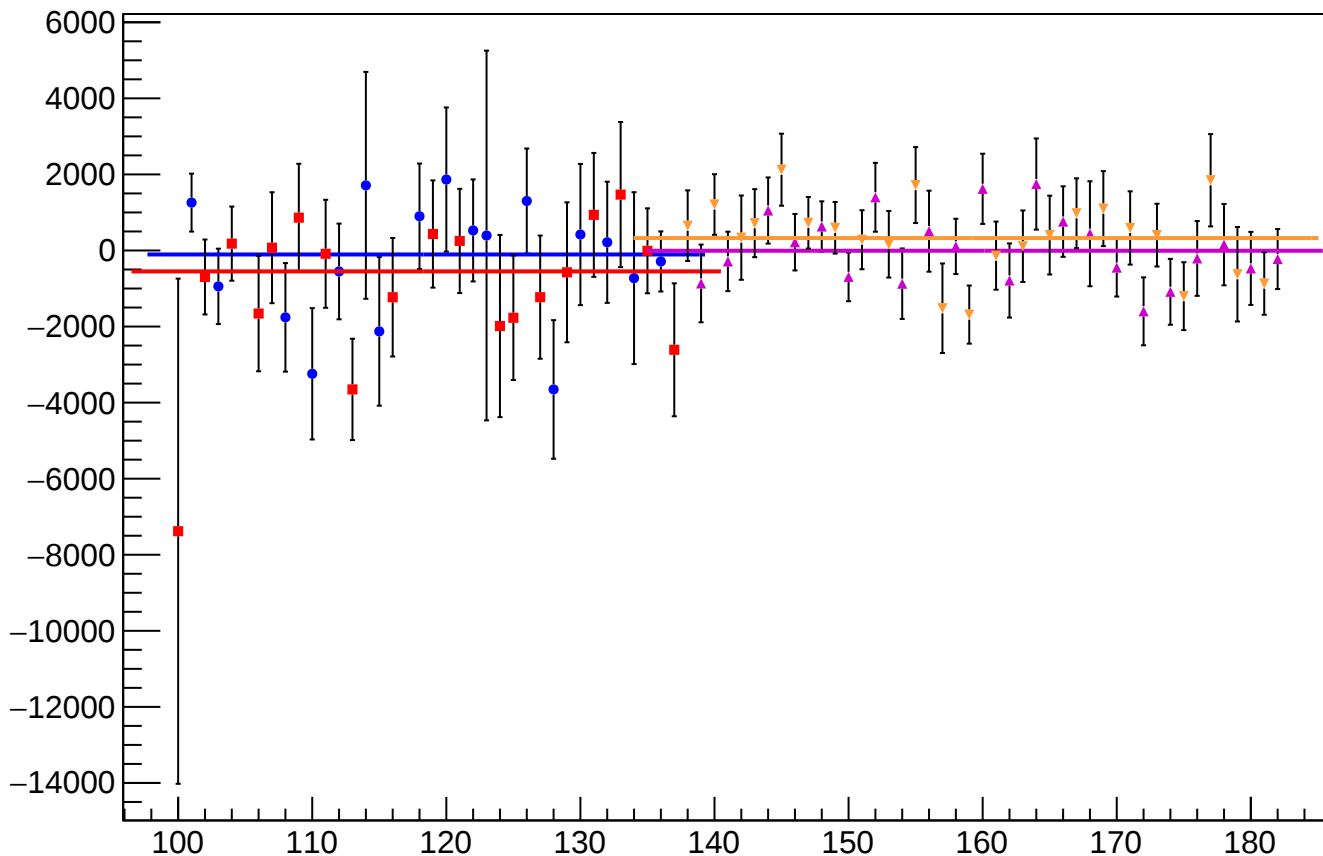
Right: 564.452 $\pm$ 0.108 χ^2 /NDF: 62032.1/35

In: 558.865 $\pm$ 0.081 χ^2 /NDF: 24947.8/38

Out: 559.875 $\pm$ 0.080 χ^2 /NDF: 65362.9/41

All: 559.377 $\pm$ 0.057 χ^2 /NDF: 90389.5/80

asym_right_avg_correction_mean vs Slug, Sign Corrected



Right In: -104.813 $\pm$ 328.267 χ^2/NDF : 17.0/16

Left Out: 326.986 $\pm$ 186.354 χ^2/NDF : 25.8/22

Right Out: -549.627 $\pm$ 332.981 χ^2/NDF : 14.6/18

Left In: -7.357 $\pm$ 185.251 χ^2/NDF : 20.2/21

Left: 158.821 $\pm$ 131.380 χ^2/NDF : 47.6/44

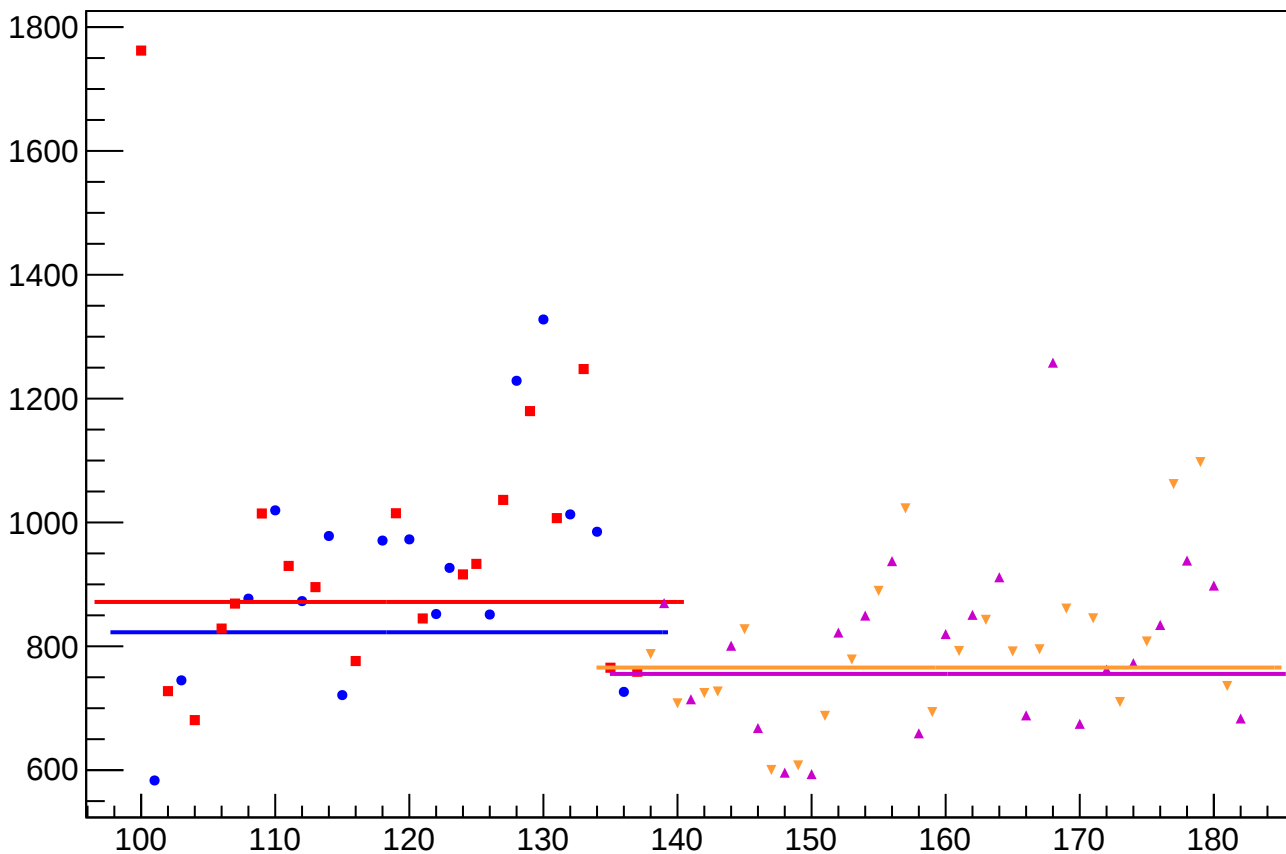
Right: -324.049 $\pm$ 233.768 χ^2/NDF : 32.5/35

In: -30.897 $\pm$ 161.334 χ^2/NDF : 37.3/38

Out: 117.905 $\pm$ 162.619 χ^2/NDF : 45.6/41

All: 42.914 $\pm$ 114.532 χ^2/NDF : 83.3/80

asym_right_avg_correction_rms vs Slug, Sign Corrected



Right In: 822.664+/-0.232 χ^2/NDF : 606735.8/16

Left Out: 765.686+/-0.132 χ^2/NDF : 747338.5/22

Right Out: 871.621+/-0.235 χ^2/NDF : 408427.2/18

Left In: 755.395+/-0.131 χ^2/NDF : 926952.3/21

Left: 760.510+/-0.093 χ^2/NDF : 1677358.3/44

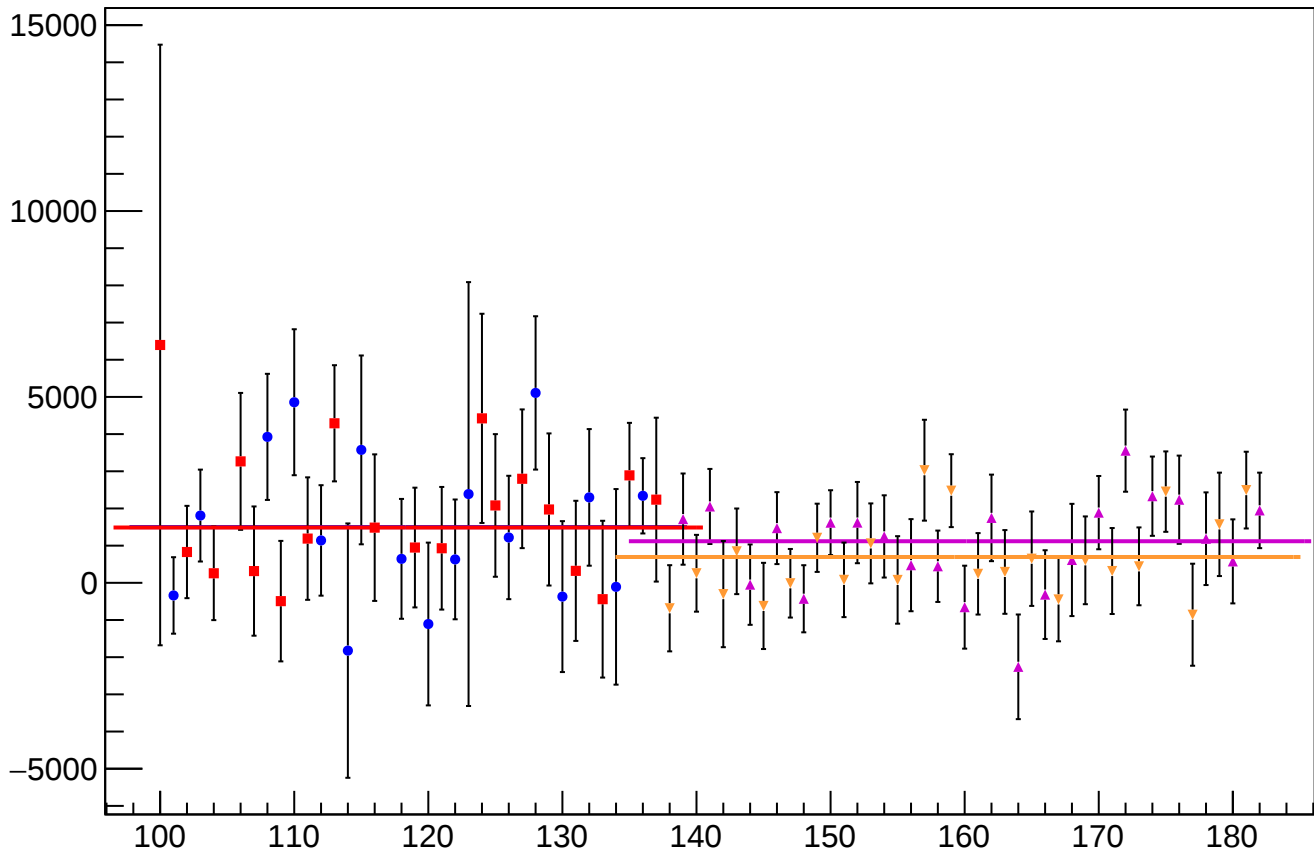
Right: 846.794+/-0.165 χ^2/NDF : 1037087.9/35

In: 771.643+/-0.114 χ^2/NDF : 1597388.0/38

Out: 790.952+/-0.115 χ^2/NDF : 1309913.4/41

All: 781.221+/-0.081 χ^2/NDF : 2921511.7/80

asym_right_avg_mean vs Slug, Sign Corrected



Right In: 1497.967 $\pm$ 402.667 χ^2 /NDF: 17.1/16

Left Out: 694.667 $\pm$ 232.817 χ^2 /NDF: 20.2/22

Right Out: 1487.754 $\pm$ 400.718 χ^2 /NDF: 12.0/18

Left In: 1118.665 $\pm$ 232.322 χ^2 /NDF: 25.3/21

Left: 907.118 $\pm$ 164.451 χ^2 /NDF: 47.2/44

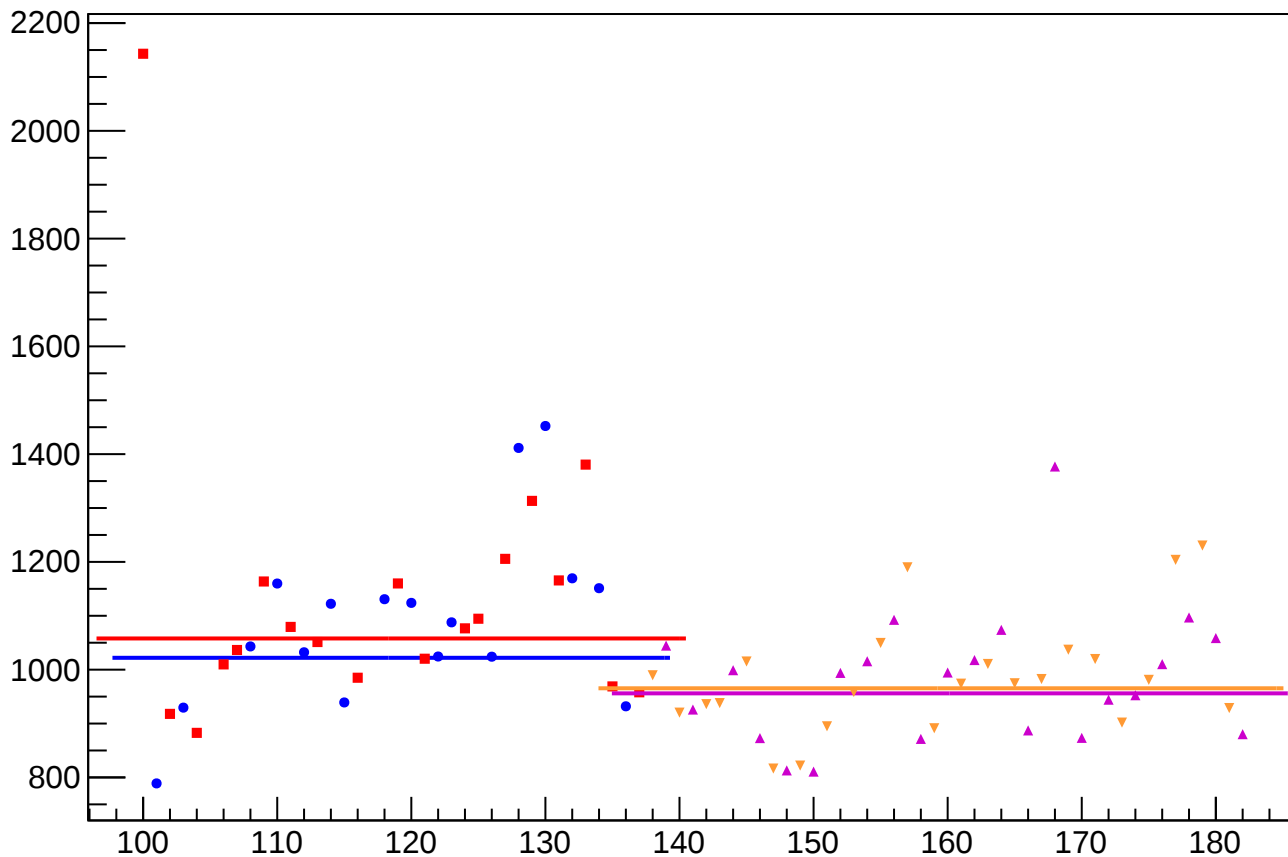
Right: 1492.836 $\pm$ 284.037 χ^2 /NDF: 29.1/35

In: 1213.394 $\pm$ 201.231 χ^2 /NDF: 43.1/38

Out: 894.819 $\pm$ 201.307 χ^2 /NDF: 35.1/41

All: 1054.167 $\pm$ 142.319 χ^2 /NDF: 79.5/80

asym_right_avg_rms vs Slug, Sign Corrected



Right In: 1022.011 $\pm$ 0.285 χ^2 /NDF: 336507.1/16

Left Out: 965.437 $\pm$ 0.165 χ^2 /NDF: 356787.9/22

Right Out: 1057.901 $\pm$ 0.283 χ^2 /NDF: 232484.1/18

Left In: 956.029 $\pm$ 0.164 χ^2 /NDF: 439712.6/21

Left: 960.723 $\pm$ 0.116 χ^2 /NDF: 798136.7/44

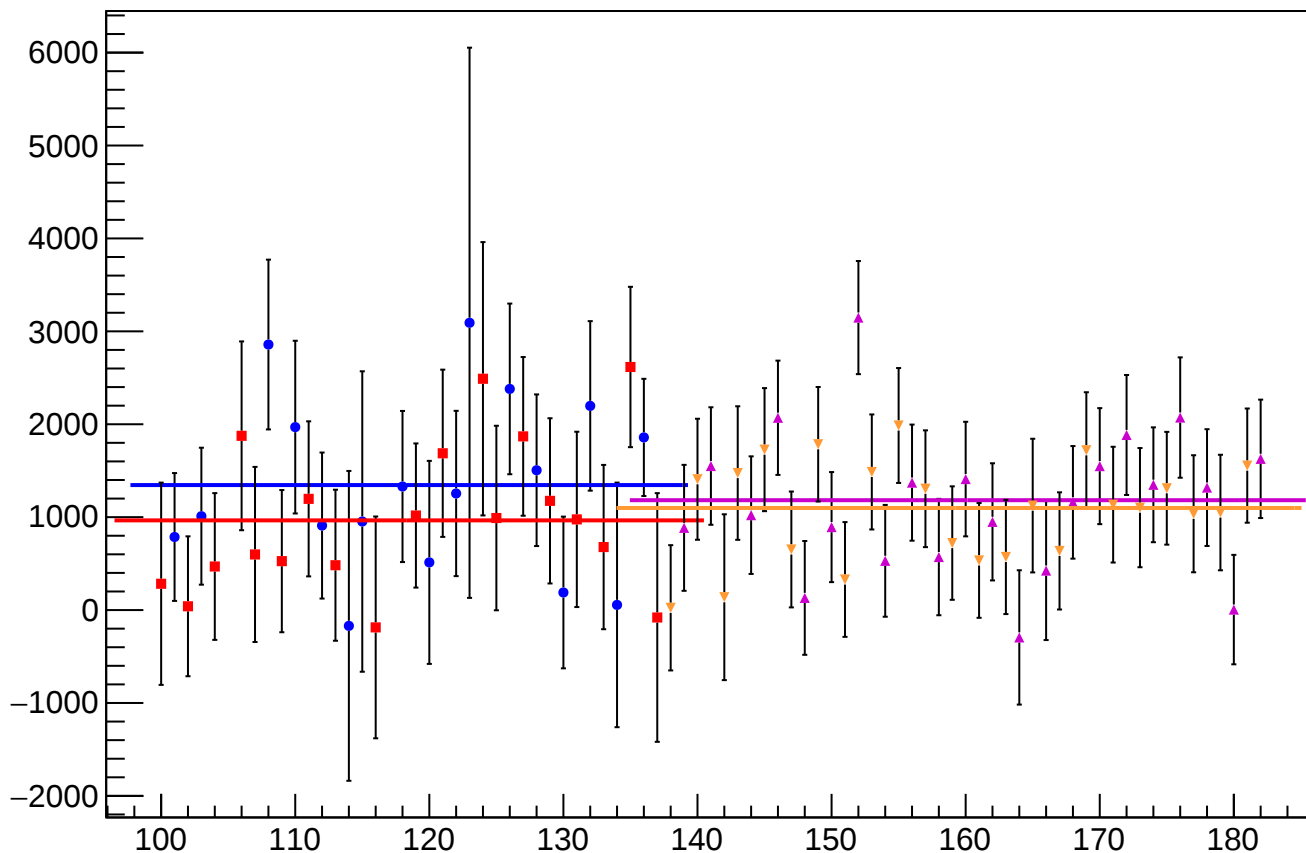
Right: 1040.043 $\pm$ 0.201 χ^2 /NDF: 576973.9/35

In: 972.508 $\pm$ 0.142 χ^2 /NDF: 816509.6/38

Out: 988.772 $\pm$ 0.142 χ^2 /NDF: 668885.0/41

All: 980.637 $\pm$ 0.101 χ^2 /NDF: 1491924.5/80

reg_asym_right_dd_mean vs Slug, Sign Corrected



Right In: 1345.401 $\pm$ 218.855 χ^2/NDF : 12.0/16

Left Out: 1098.948 $\pm$ 133.571 χ^2/NDF : 15.1/22

Right Out: 965.438 $\pm$ 208.614 χ^2/NDF : 12.2/18

Left In: 1182.620 $\pm$ 134.451 χ^2/NDF : 32.0/21

Left: 1140.509 $\pm$ 94.758 χ^2/NDF : 47.3/44

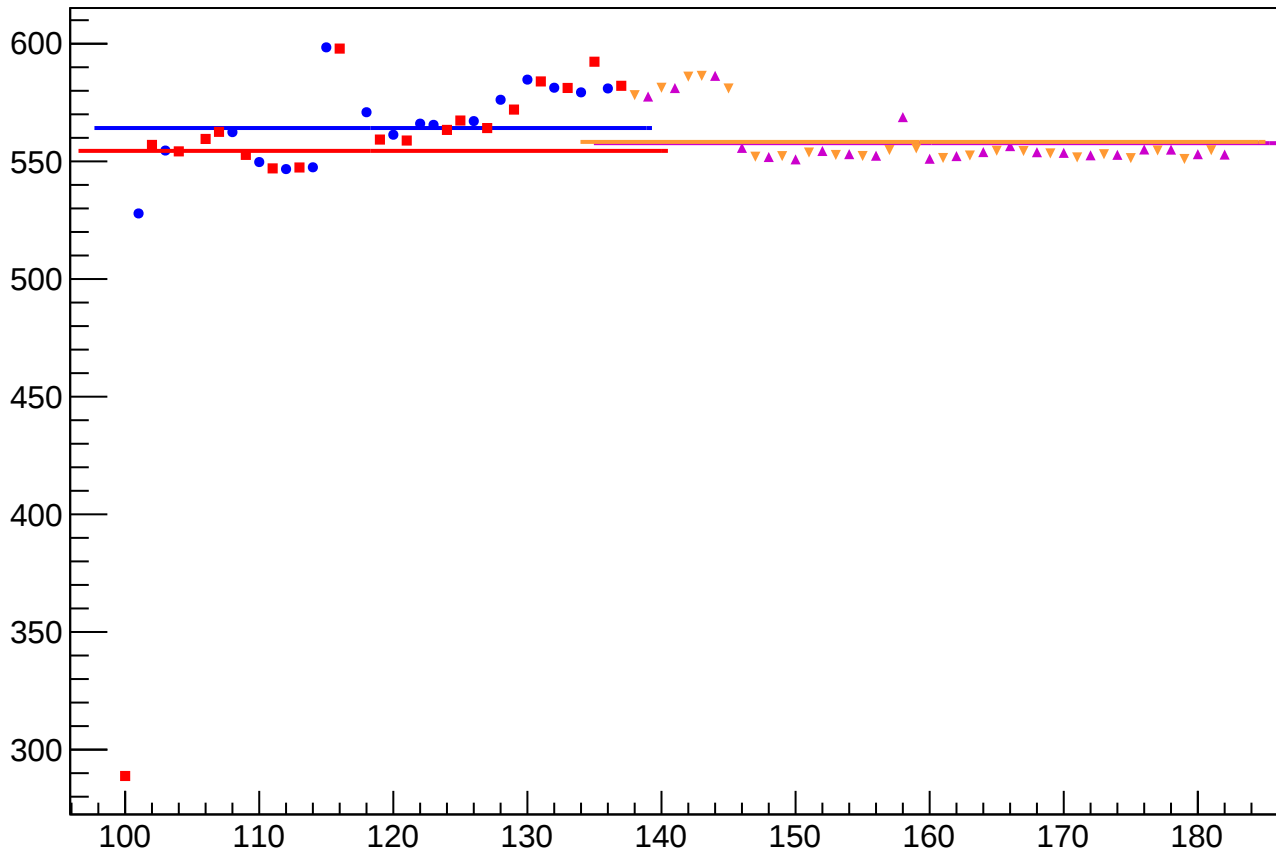
Right: 1146.322 $\pm$ 151.003 χ^2/NDF : 25.8/35

In: 1227.222 $\pm$ 114.559 χ^2/NDF : 44.4/38

Out: 1060.129 $\pm$ 112.489 χ^2/NDF : 27.6/41

All: 1142.151 $\pm$ 80.264 χ^2/NDF : 73.1/80

reg_asym_right_dd_rms vs Slug, Sign Corrected



Right In: 564.174 $\pm$ 0.155 χ^2 /NDF: 12759.8/16

Left Out: 558.277 $\pm$ 0.094 χ^2 /NDF:14213.9/22

Right Out: 554.462 $\pm$ 0.148 χ^2 /NDF: 132390.5/18

Left In: 557.737 $\pm$ 0.095 χ^2 /NDF:11146.9/21

Left: 558.009 $\pm$ 0.067 χ^2 /NDF: 25377.0/44

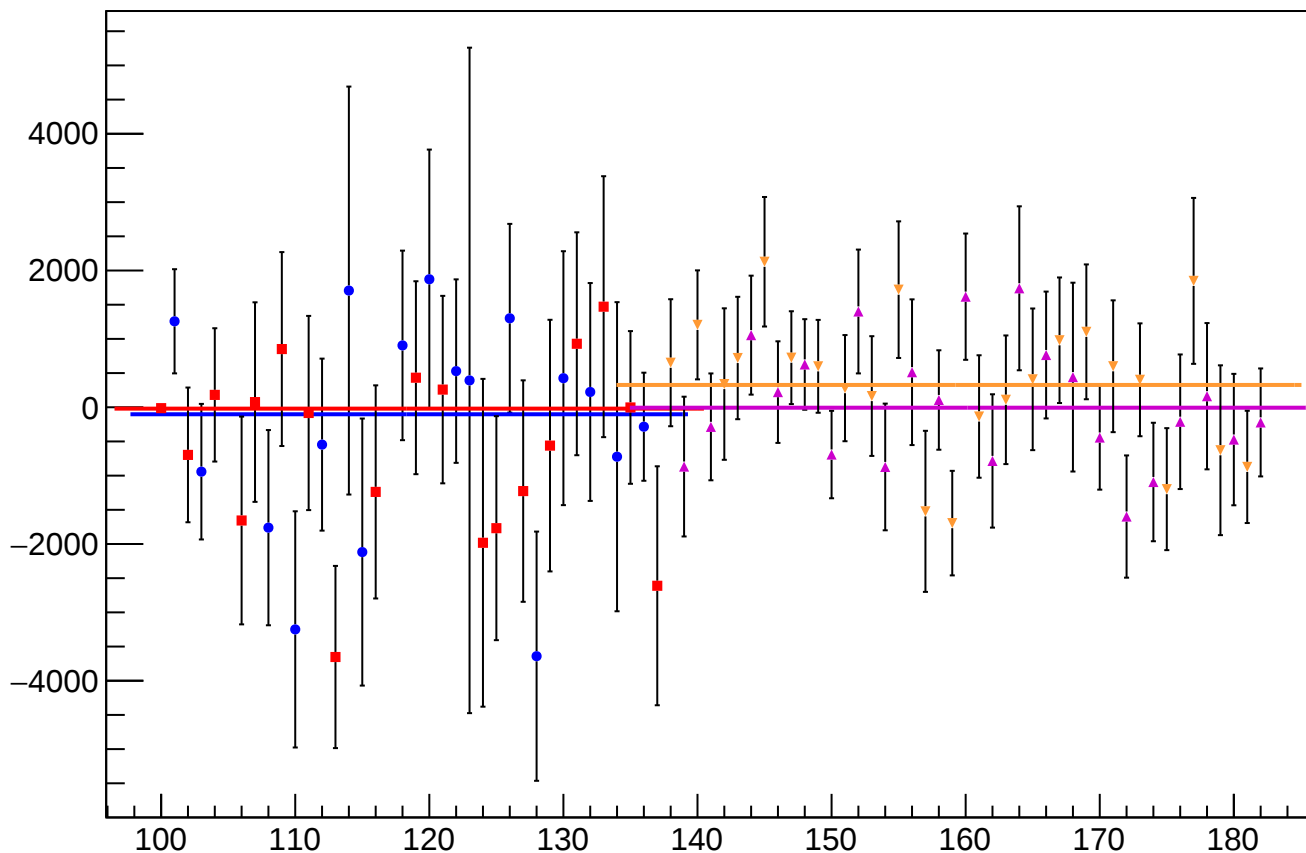
Right: 559.086 $\pm$ 0.107 χ^2 /NDF: 147213.9/35

In: 559.501 $\pm$ 0.081 χ^2 /NDF:25162.9/38

Out: 557.168 $\pm$ 0.080 χ^2 /NDF:147078.7/41

All: 558.313 $\pm$ 0.057 χ^2 /NDF: 172663.8/80

asym_right_dd_correction_mean vs Slug, Sign Corrected



Right In: -102.542 ± 328.366 χ^2/NDF : 17.0/16

Left Out: 326.350 ± 186.411 χ^2/NDF : 25.8/22

Right Out: -20.080 ± 38.955 χ^2/NDF : 15.9/18

Left In: -6.541 ± 185.344 χ^2/NDF : 20.1/21

Left: 158.949 ± 131.434 χ^2/NDF : 47.6/44

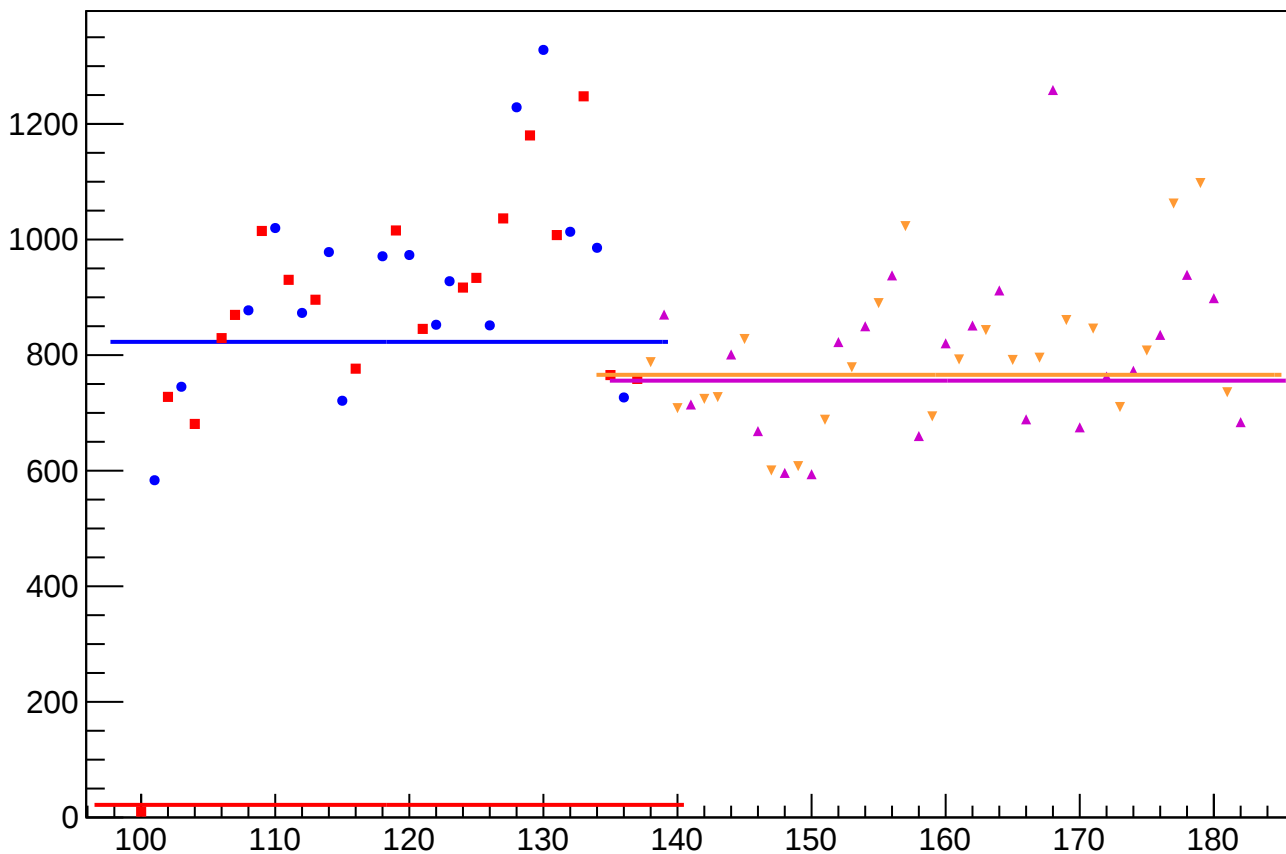
Right: -21.224 ± 38.684 χ^2/NDF : 33.0/35

In: -29.737 ± 161.407 χ^2/NDF : 37.2/38

Out: -5.584 ± 38.131 χ^2/NDF : 45.0/41

All: -6.861 ± 37.110 χ^2/NDF : 82.3/80

asym_right_dd_correction_rms vs Slug, Sign Corrected



Right In: 822.915 $\pm$ 0.232 χ^2 /NDF: 606659.4/16

Left Out: 765.909 $\pm$ 0.132 χ^2 /NDF: 747358.9/22

Right Out: 21.771 $\pm$ 0.028 χ^2 /NDF: 13478158.3/18

Left In: 755.785 $\pm$ 0.131 χ^2 /NDF: 926625.0/21

Left: 760.818 $\pm$ 0.093 χ^2 /NDF: 1676950.7/44

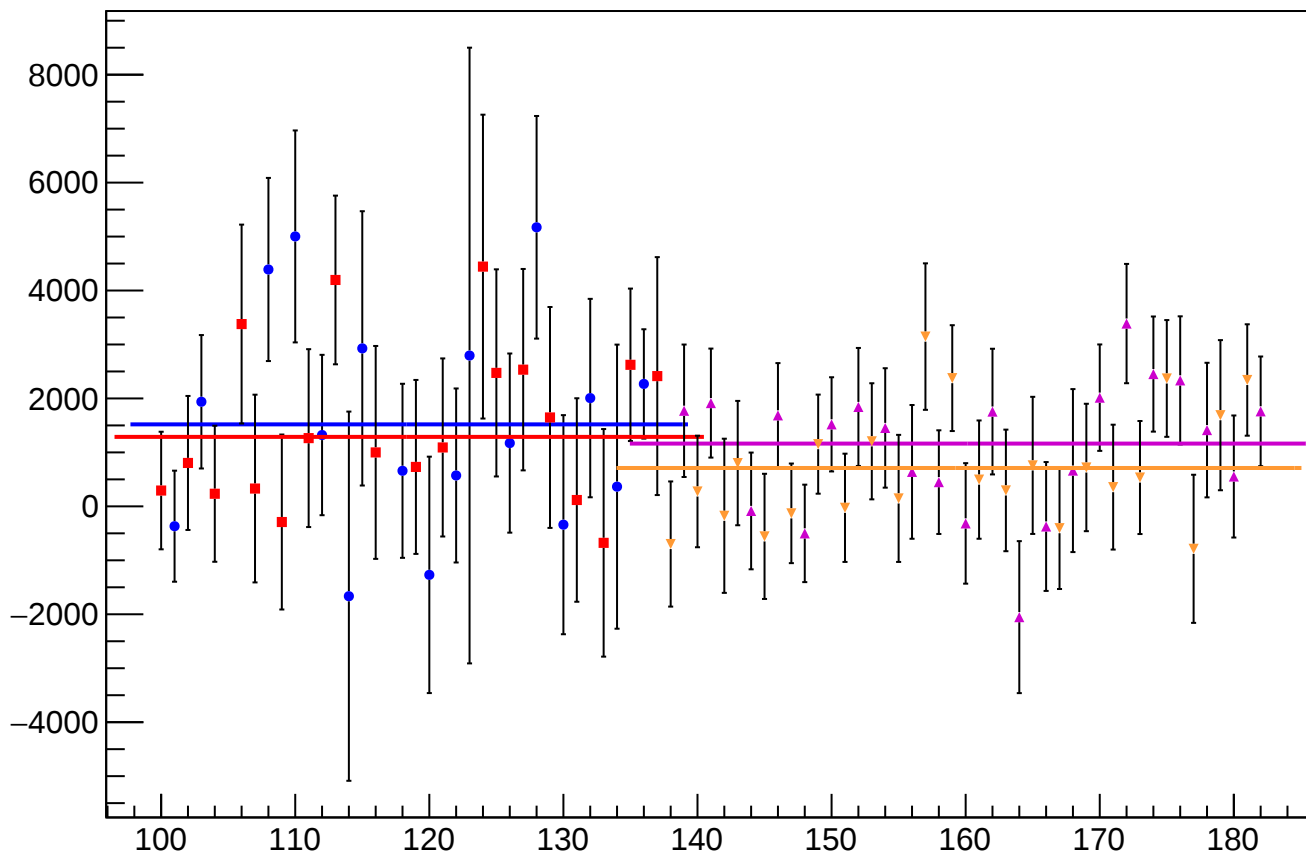
Right: 32.890 $\pm$ 0.027 χ^2 /NDF: 25824737.5/35

In: 772.004 $\pm$ 0.114 χ^2 /NDF: 1596676.8/38

Out: 52.908 $\pm$ 0.027 χ^2 /NDF: 44762762.4/41

All: 90.920 $\pm$ 0.026 χ^2 /NDF: 83958091.6/80

asym_right_dd_mean vs Slug, Sign Corrected



Right In: 1519.485 $\pm$ 402.890 χ^2/NDF : 17.8/16

Left Out: 711.061 $\pm$ 232.944 χ^2/NDF : 19.2/22

Right Out: 1287.537 $\pm$ 376.679 χ^2/NDF : 12.4/18

Left In: 1163.288 $\pm$ 232.488 χ^2/NDF : 24.1/21

Left: 937.618 $\pm$ 164.555 χ^2/NDF : 45.1/44

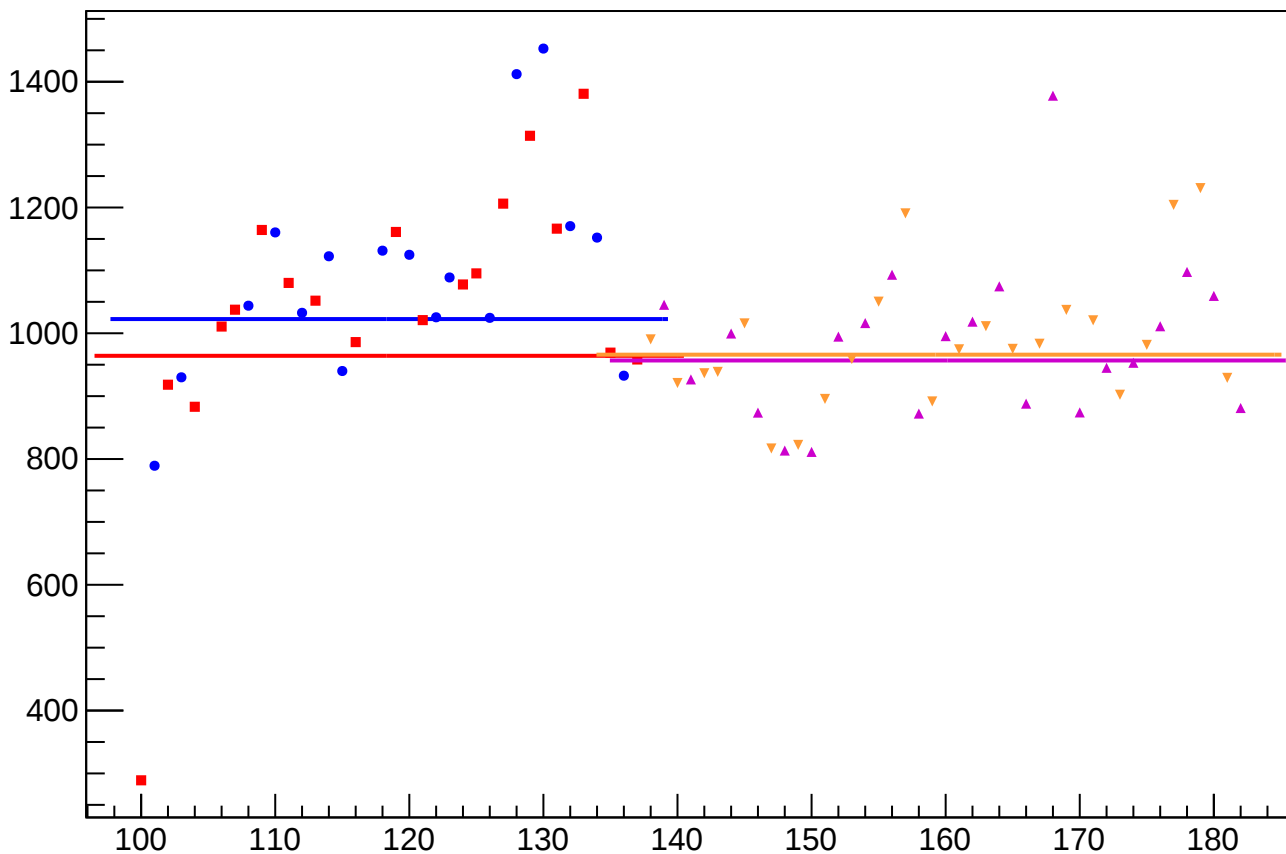
Right: 1395.721 $\pm$ 275.152 χ^2/NDF : 30.3/35

In: 1252.268 $\pm$ 201.366 χ^2/NDF : 42.5/38

Out: 870.537 $\pm$ 198.120 χ^2/NDF : 33.2/41

All: 1058.300 $\pm$ 141.226 χ^2/NDF : 77.5/80

asym_right_dd_rms vs Slug, Sign Corrected



Right In: 1022.583 $\pm$ 0.285 χ^2 /NDF: 336434.0/16

Left Out: 965.956 $\pm$ 0.165 χ^2 /NDF:356694.2/22

Right Out: 964.149 $\pm$ 0.266 χ^2 /NDF: 1068768.6/18

Left In: 956.722 $\pm$ 0.164 χ^2 /NDF:439364.9/21

Left: 961.330 $\pm$ 0.116 χ^2 /NDF: 797633.5/44

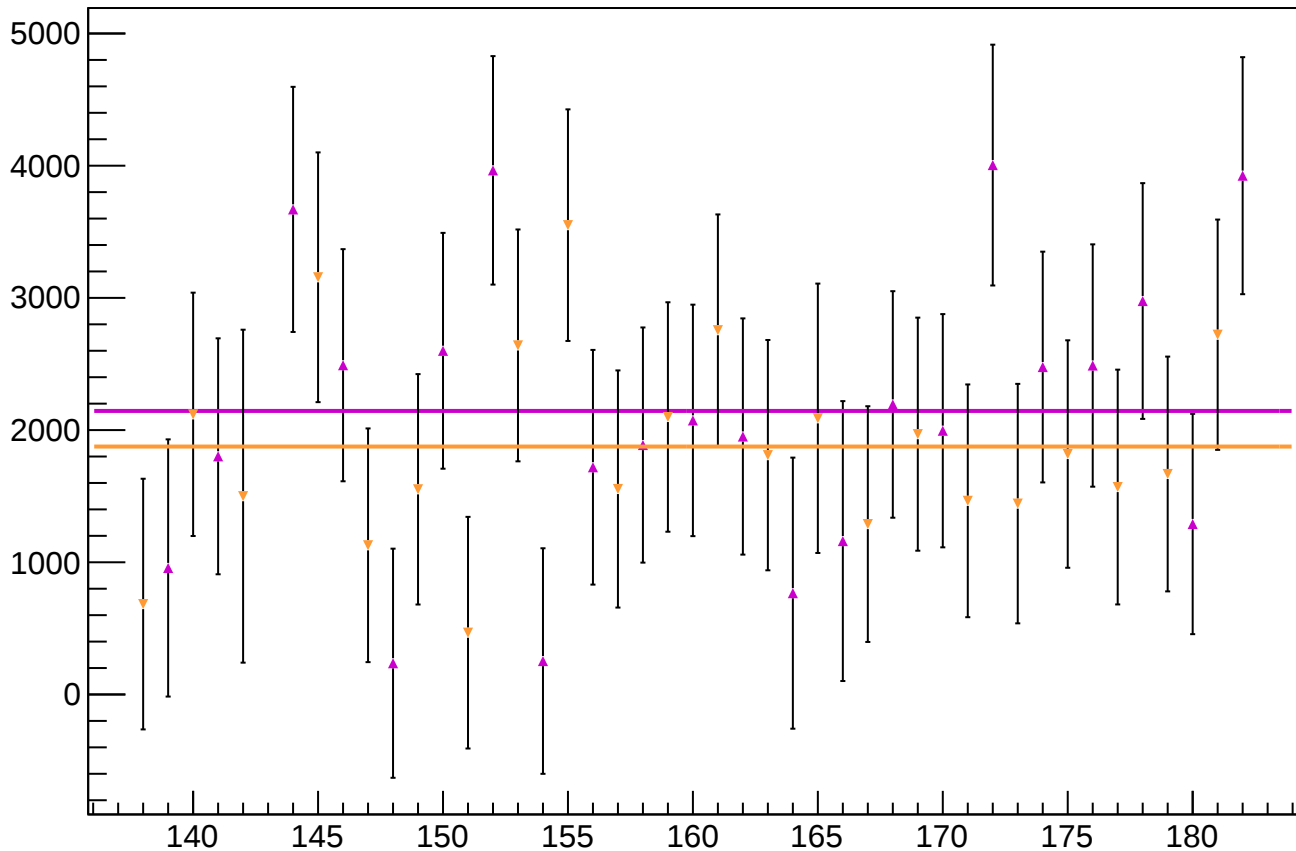
Right: 991.404 $\pm$ 0.195 χ^2 /NDF: 1427651.0/35

In: 973.174 $\pm$ 0.142 χ^2 /NDF:815893.6/38

Out: 965.456 $\pm$ 0.140 χ^2 /NDF:1425496.1/41

All: 969.252 $\pm$ 0.100 χ^2 /NDF: 2242882.7/80

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1875.471+/-192.586 χ^2/NDF :14.7/21

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

Left In: 2144.910+/-191.373 χ^2/NDF :32.3/21

Left: 2011.042+/-135.748 χ^2/NDF : 48.0/43

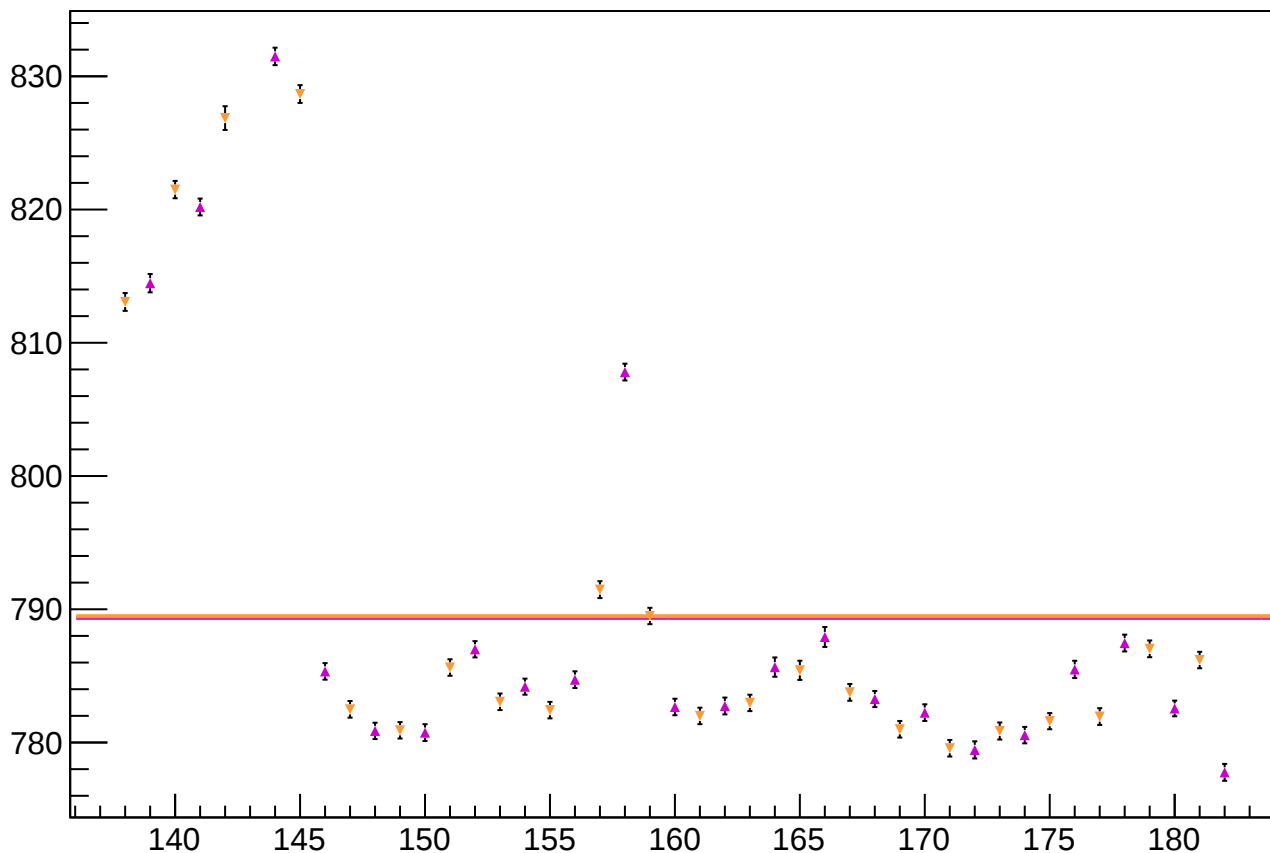
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2144.910+/-191.373 χ^2/NDF :32.3/21

Out: 1875.471+/-192.586 χ^2/NDF :14.7/21

All: 2011.042+/-135.748 χ^2/NDF : 48.0/43

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 789.478 $\pm$ 0.136 χ^2/NDF :10813.8/21

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

Left In: 789.361 $\pm$ 0.135 χ^2/NDF :10714.5/21

Left: 789.419 $\pm$ 0.096 χ^2/NDF : 21528.7/43

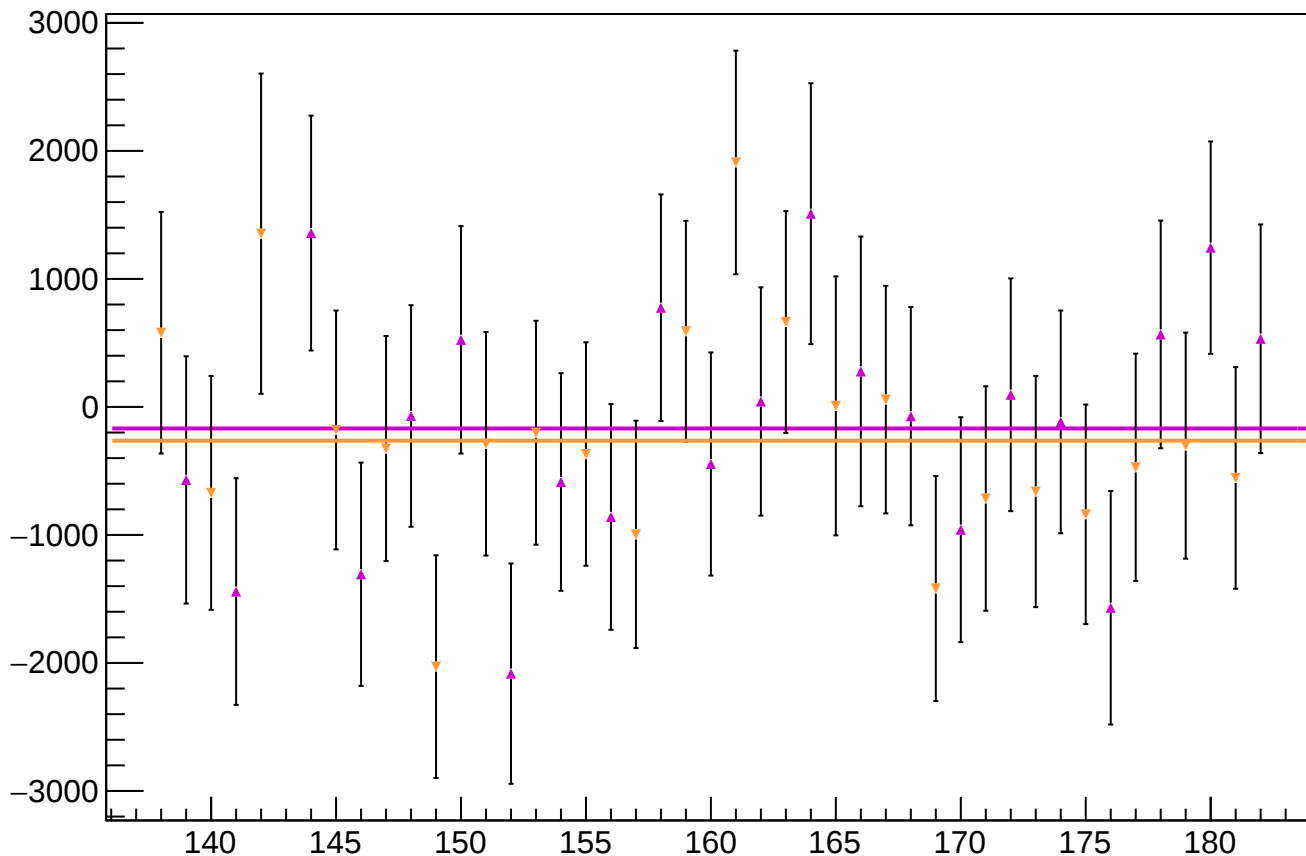
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 789.361 $\pm$ 0.135 χ^2/NDF :10714.5/21

Out: 789.478 $\pm$ 0.136 χ^2/NDF :10813.8/21

All: 789.419 $\pm$ 0.096 χ^2/NDF : 21528.7/43

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -263.171+/-191.666 χ^2/NDF :18.8/21

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

Left In: -168.078+/-190.477 χ^2/NDF :24.8/21

Left: -215.329+/-135.106 χ^2/NDF : 43.7/43

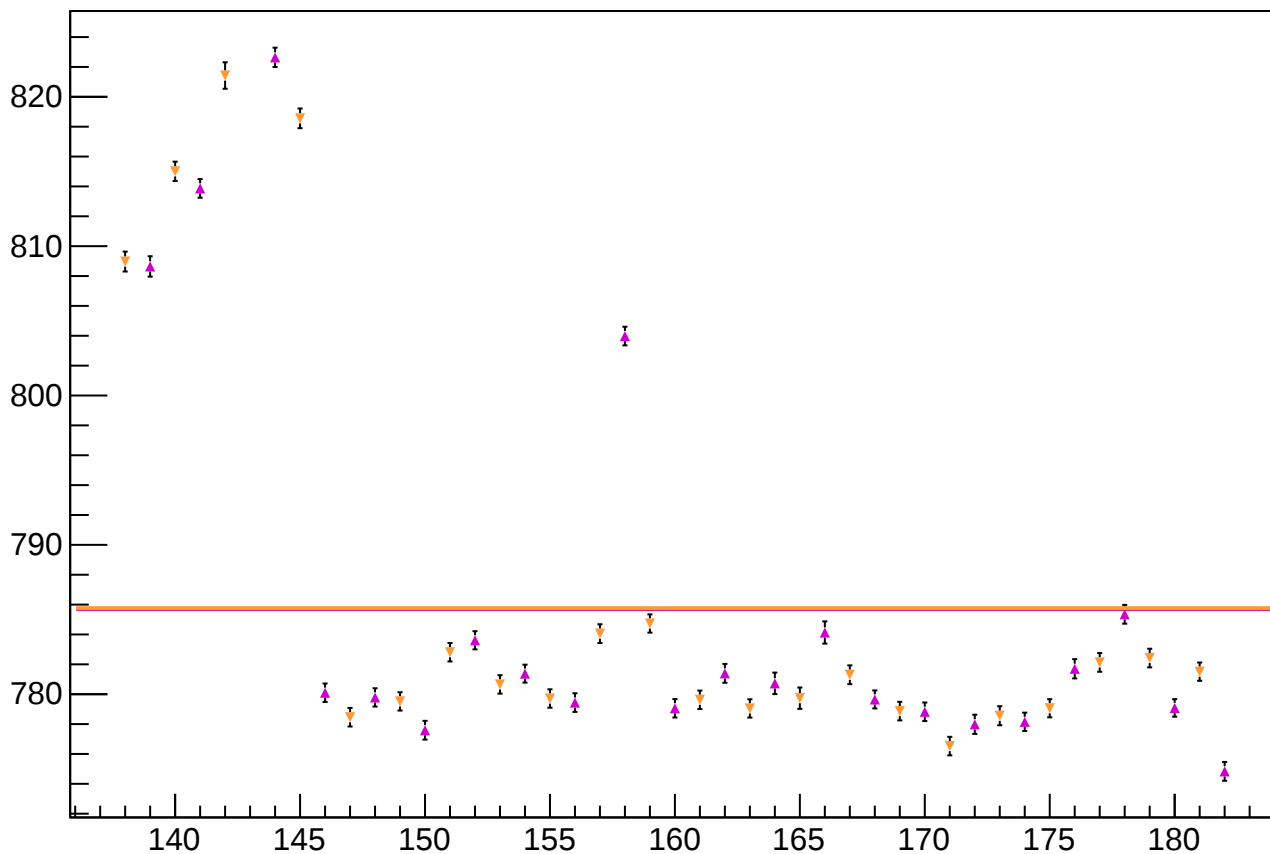
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -168.078+/-190.477 χ^2/NDF :24.8/21

Out: -263.171+/-191.666 χ^2/NDF :18.8/21

All: -215.329+/-135.106 χ^2/NDF : 43.7/43

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 785.760+/-0.136 χ^2/NDF :8842.5/21

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

Left In: 785.699+/-0.135 χ^2/NDF :8950.7/21

Left: 785.730+/-0.096 χ^2/NDF : 17793.4/43

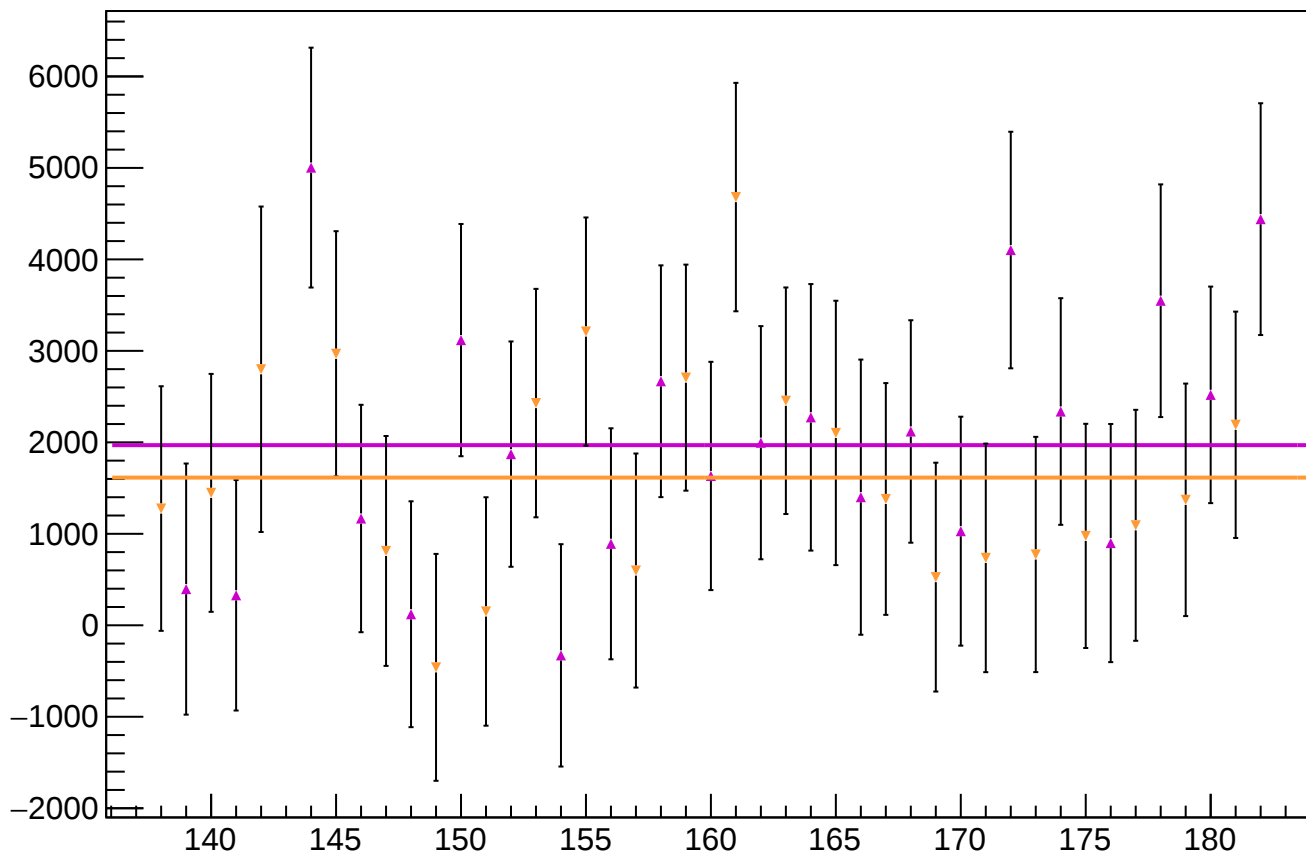
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 785.699+/-0.135 χ^2/NDF :8950.7/21

Out: 785.760+/-0.136 χ^2/NDF :8842.5/21

All: 785.730+/-0.096 χ^2/NDF : 17793.4/43

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1614.659+/-273.744 χ^2/NDF :18.6/21

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

Left In: 1969.226+/-271.823 χ^2/NDF :26.3/21

Left: 1793.191+/-192.883 χ^2/NDF : 45.8/43

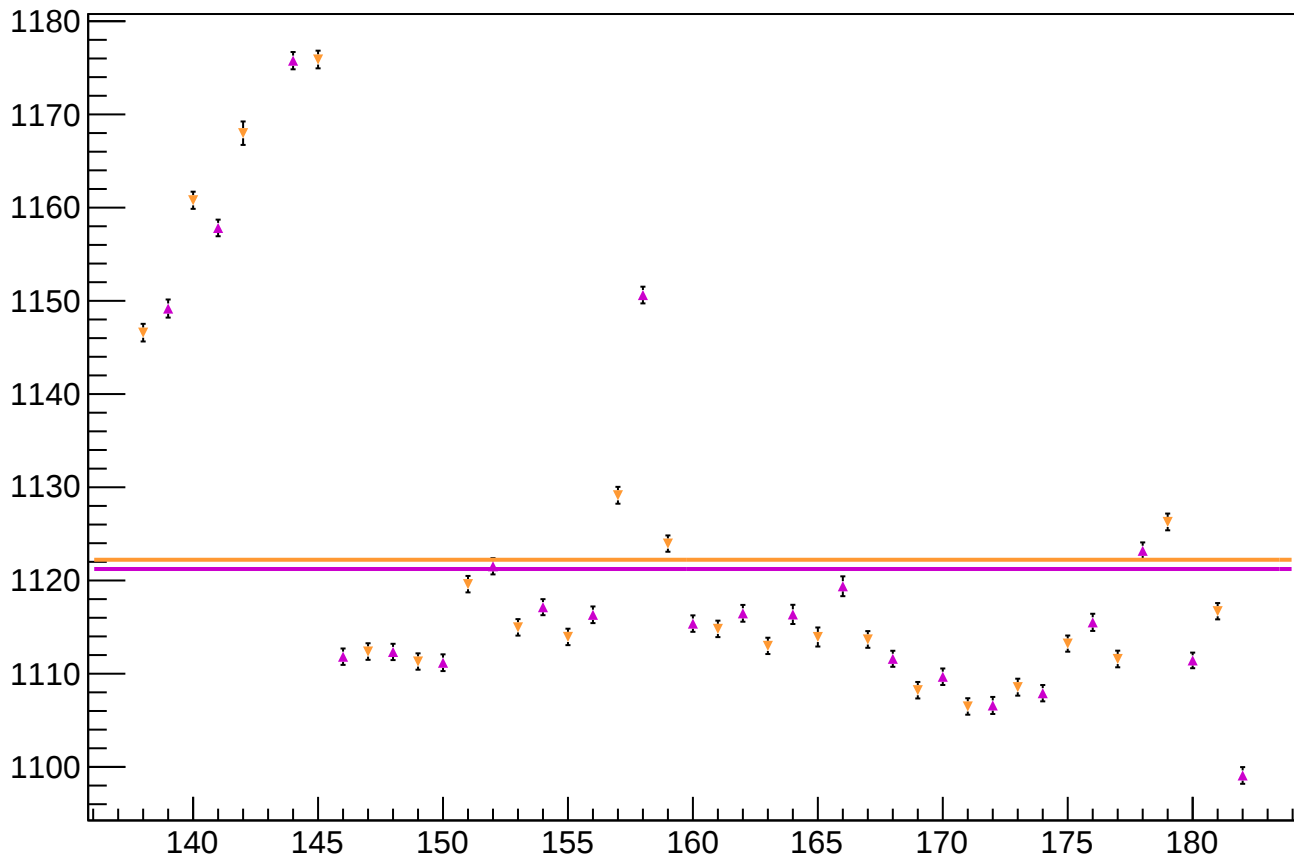
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1969.226+/-271.823 χ^2/NDF :26.3/21

Out: 1614.659+/-273.744 χ^2/NDF :18.6/21

All: 1793.191+/-192.883 χ^2/NDF : 45.8/43

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1122.225 ± 0.194 χ^2/NDF : 8900.3/21

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

Left In: 1121.232 ± 0.192 χ^2/NDF : 9122.5/21

Left: 1121.725 ± 0.136 χ^2/NDF : 18036.0/43

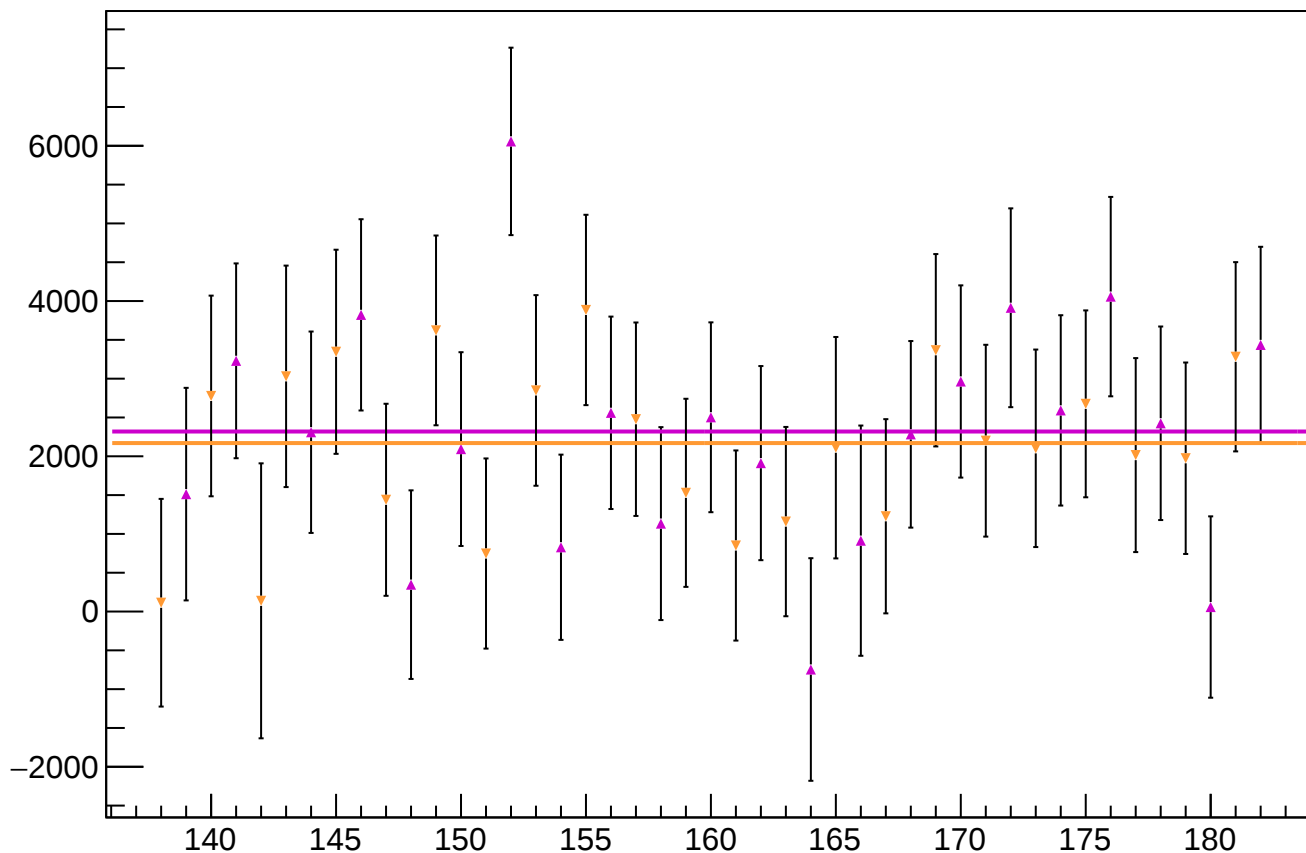
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: 1121.232 ± 0.192 χ^2/NDF : 9122.5/21

Out: 1122.225 ± 0.194 χ^2/NDF : 8900.3/21

All: 1121.725 ± 0.136 χ^2/NDF : 18036.0/43

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2170.336+/-264.967 χ^2/NDF :15.2/22

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

Left In: 2319.127+/-268.176 χ^2/NDF :31.0/21

Left: 2243.836+/-188.484 χ^2/NDF : 46.3/44

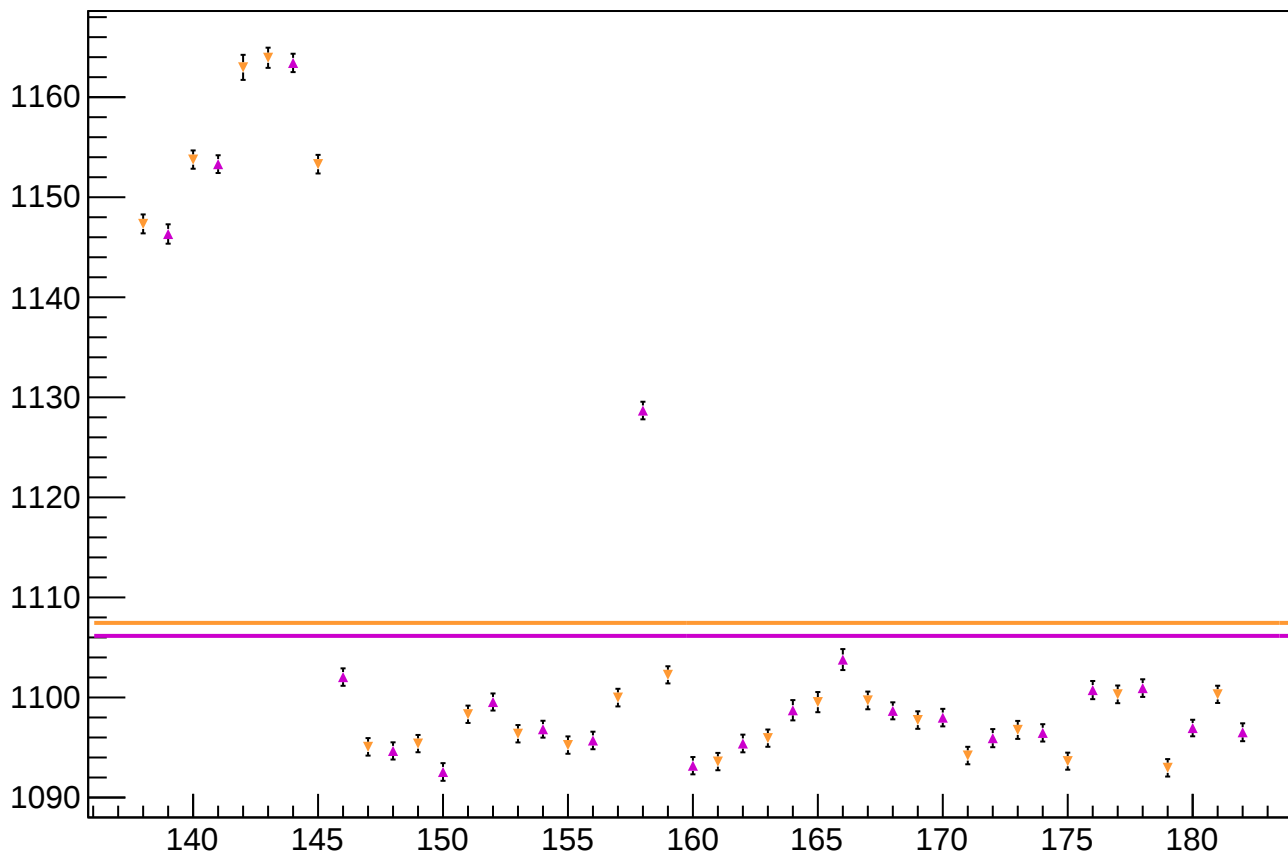
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2319.127+/-268.176 χ^2/NDF :31.0/21

Out: 2170.336+/-264.967 χ^2/NDF :15.2/22

All: 2243.836+/-188.484 χ^2/NDF : 46.3/44

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1107.455+/-0.187 χ^2/NDF :14595.2/22

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

Left In: 1106.156+/-0.190 χ^2/NDF :11023.0/21

Left: 1106.813+/-0.133 χ^2/NDF : 25641.9/44

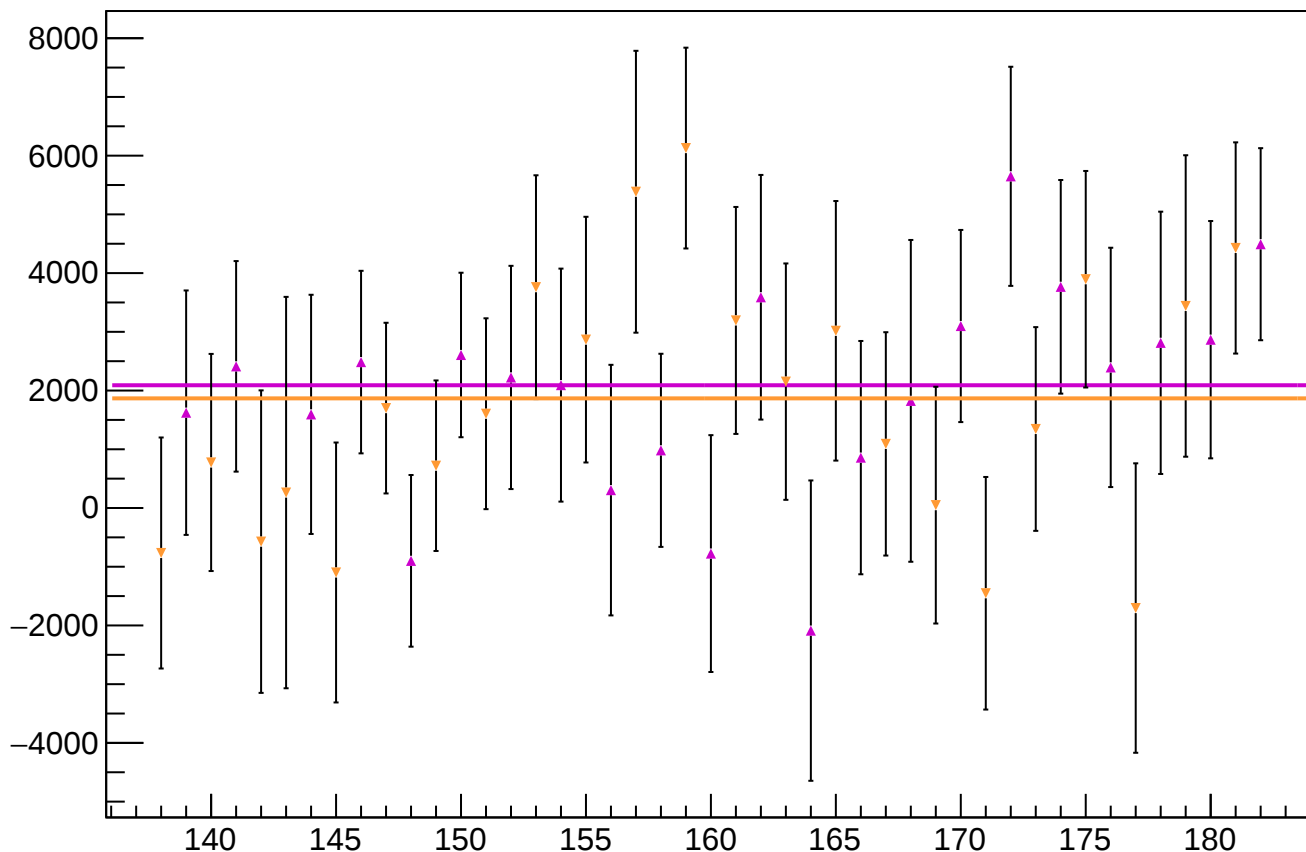
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1106.156+/-0.190 χ^2/NDF :11023.0/21

Out: 1107.455+/-0.187 χ^2/NDF :14595.2/22

All: 1106.813+/-0.133 χ^2/NDF : 25641.9/44

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1866.818+/-405.172 χ^2/NDF :25.7/22

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

Left In: 2090.283+/-397.317 χ^2/NDF :18.6/21

Left: 1980.738+/-283.682 χ^2/NDF : 44.4/44

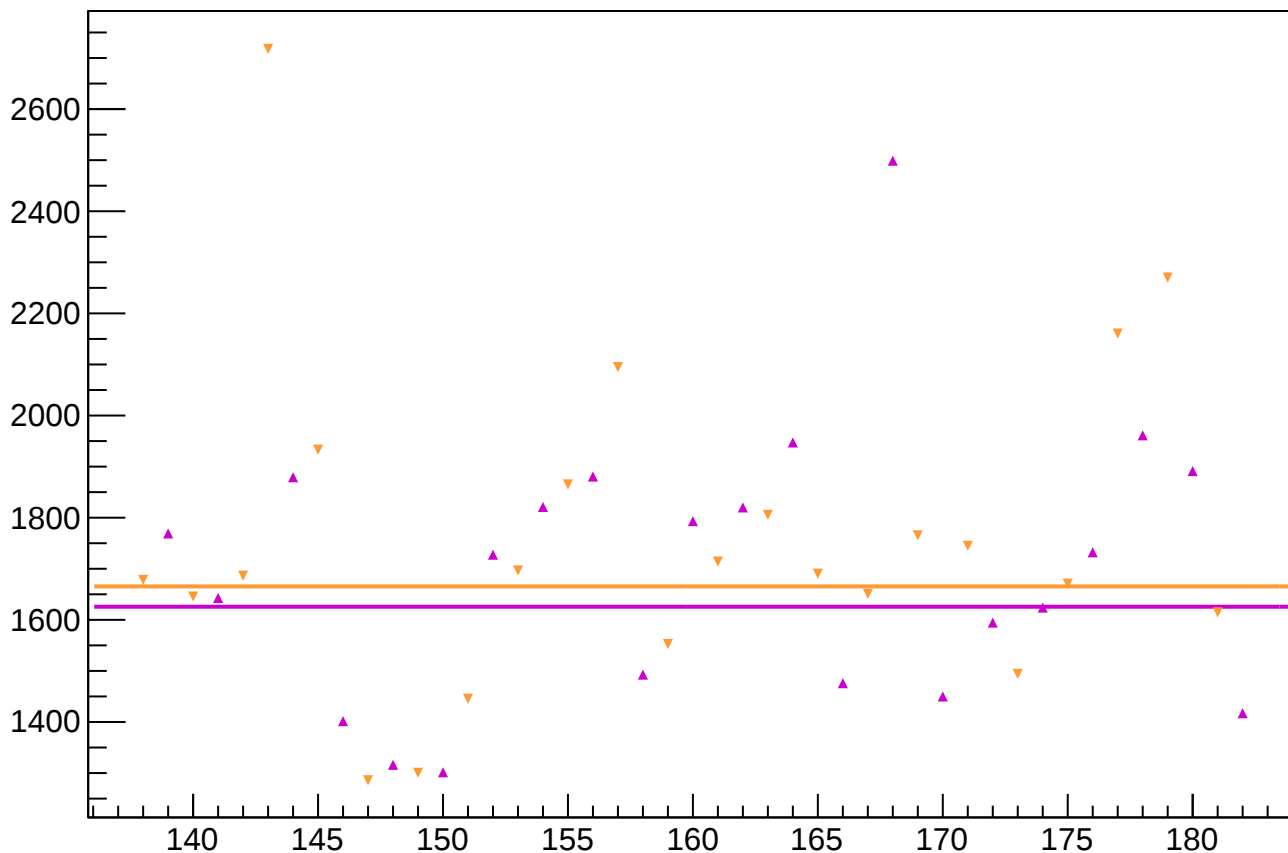
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2090.283+/-397.317 χ^2/NDF :18.6/21

Out: 1866.818+/-405.172 χ^2/NDF :25.7/22

All: 1980.738+/-283.682 χ^2/NDF : 44.4/44

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1665.445+/-0.287 χ^2/NDF : 852354.0/22

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

Left In: 1625.694+/-0.281 χ^2/NDF : 764595.8/21

Left: 1645.180+/-0.201 χ^2/NDF : 1626763.8/44

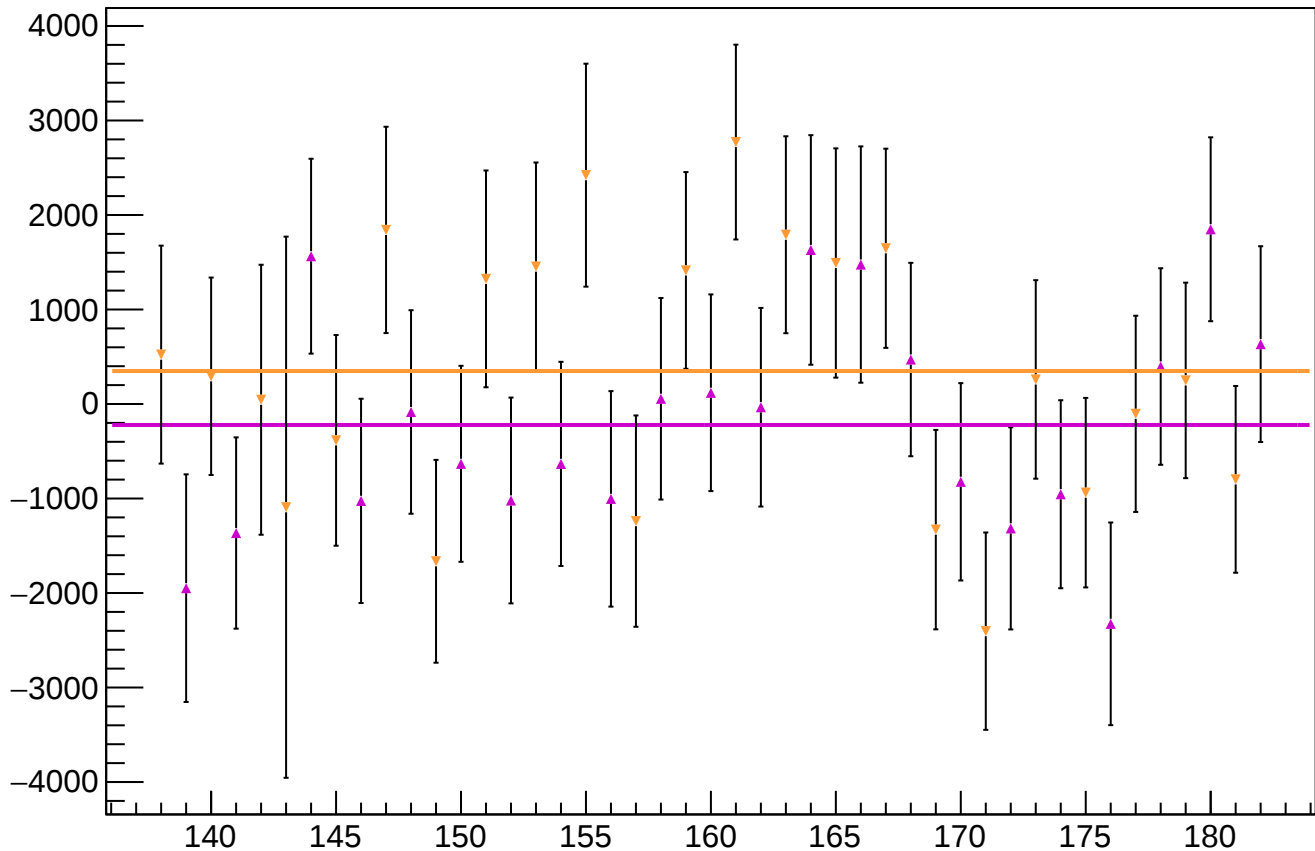
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1625.694+/-0.281 χ^2/NDF : 764595.8/21

Out: 1665.445+/-0.287 χ^2/NDF : 852354.0/22

All: 1645.180+/-0.201 χ^2/NDF : 1626763.8/44

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 348.855+/-230.239 χ^2/NDF :36.6/22

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

Left In: -221.809+/-227.676 χ^2/NDF :24.4/21

Left: 60.330+/-161.890 χ^2/NDF : 64.0/44

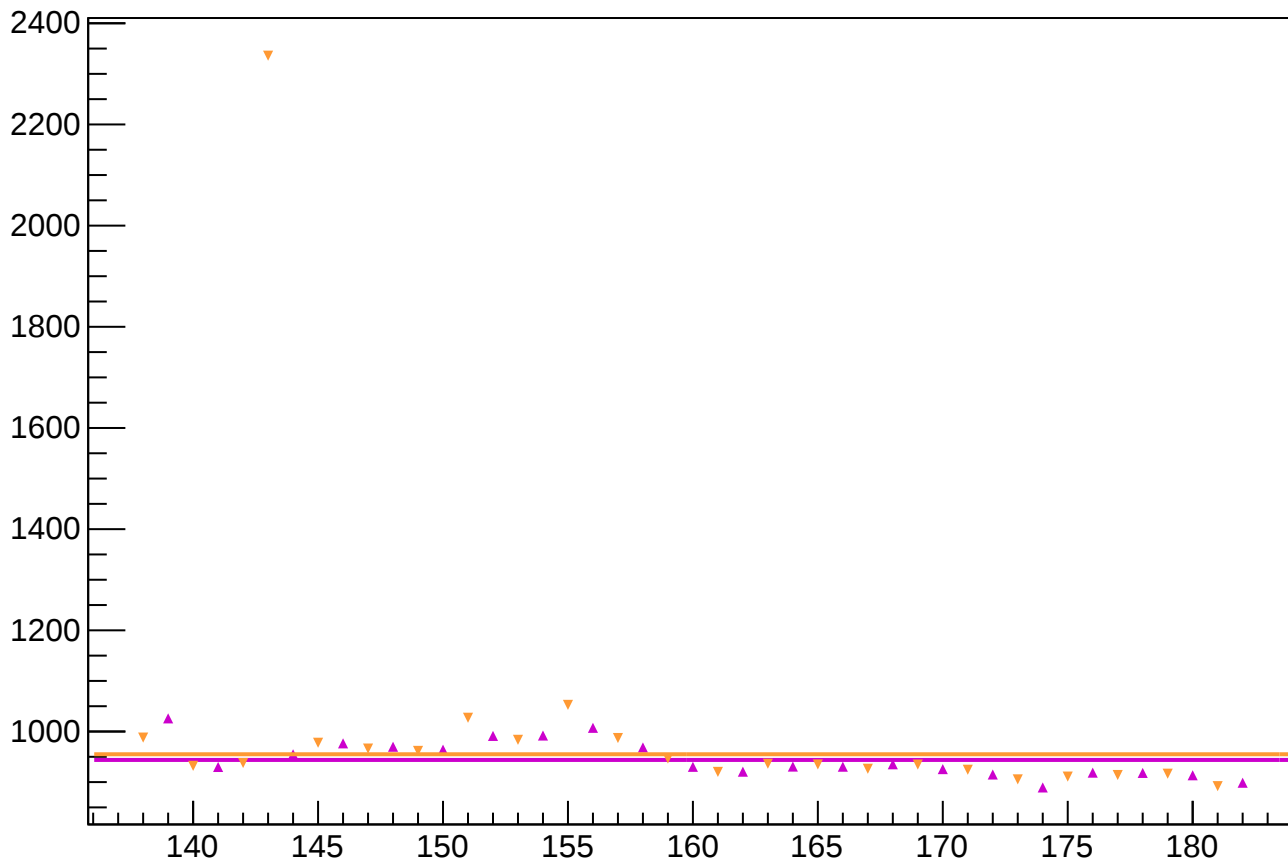
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -221.809+/-227.676 χ^2/NDF :24.4/21

Out: 348.855+/-230.239 χ^2/NDF :36.6/22

All: 60.330+/-161.890 χ^2/NDF : 64.0/44

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 955.032+/-0.163 χ^2/NDF :523750.0/22

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

Left In: 943.804+/-0.161 χ^2/NDF :46765.2/21

Left: 949.355+/-0.114 χ^2/NDF : 572919.9/44

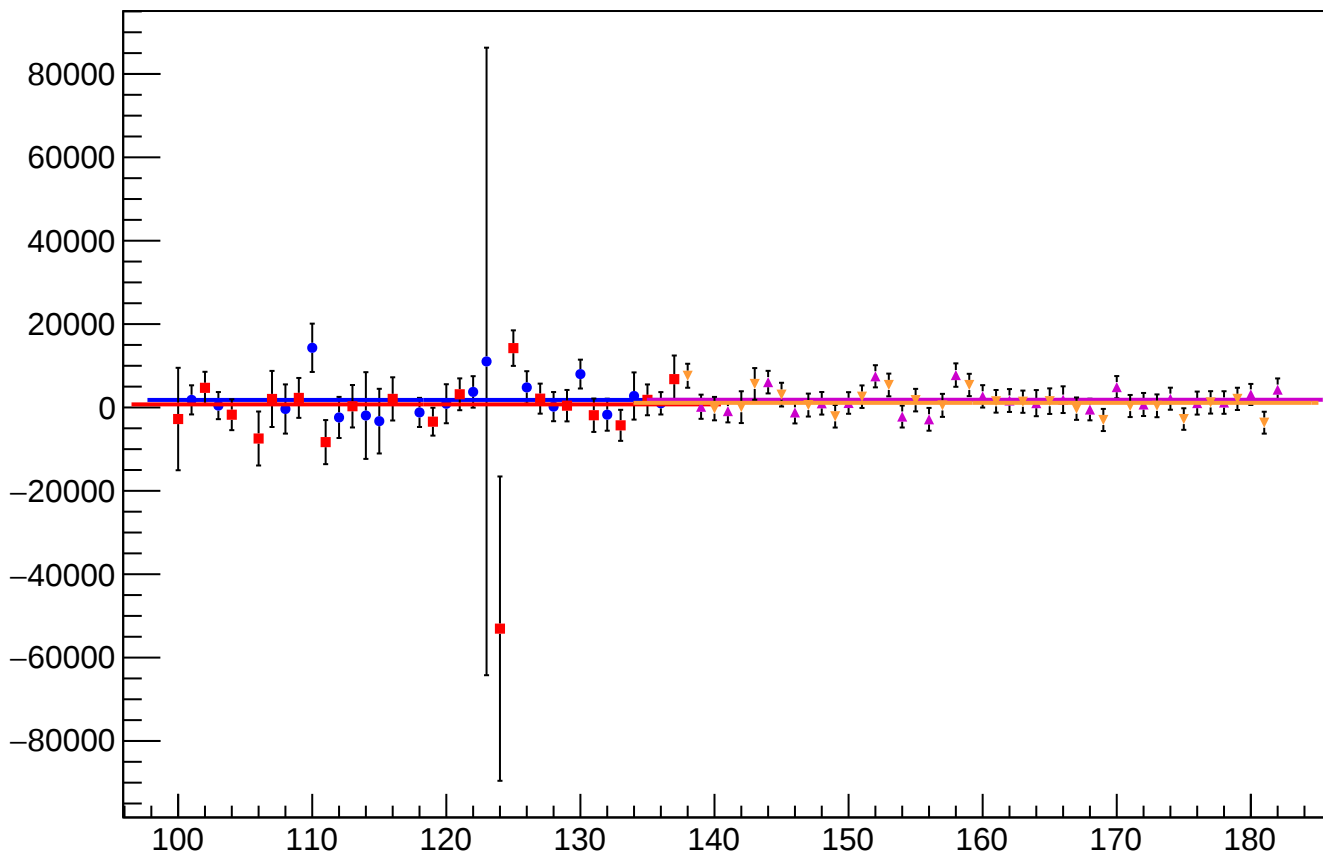
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 943.804+/-0.161 χ^2/NDF :46765.2/21

Out: 955.032+/-0.163 χ^2/NDF :523750.0/22

All: 949.355+/-0.114 χ^2/NDF : 572919.9/44

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1807.995+/-1015.862 χ^2/NDF : 12.3/16

Left Out: 1108.458+/-580.335 χ^2/NDF : 22.7/22

Right Out: 739.633+/-1026.876 χ^2/NDF : 24.1/18

Left In: 1848.386+/-580.828 χ^2/NDF : 23.2/21

Left: 1478.108+/-410.533 χ^2/NDF : 46.7/44

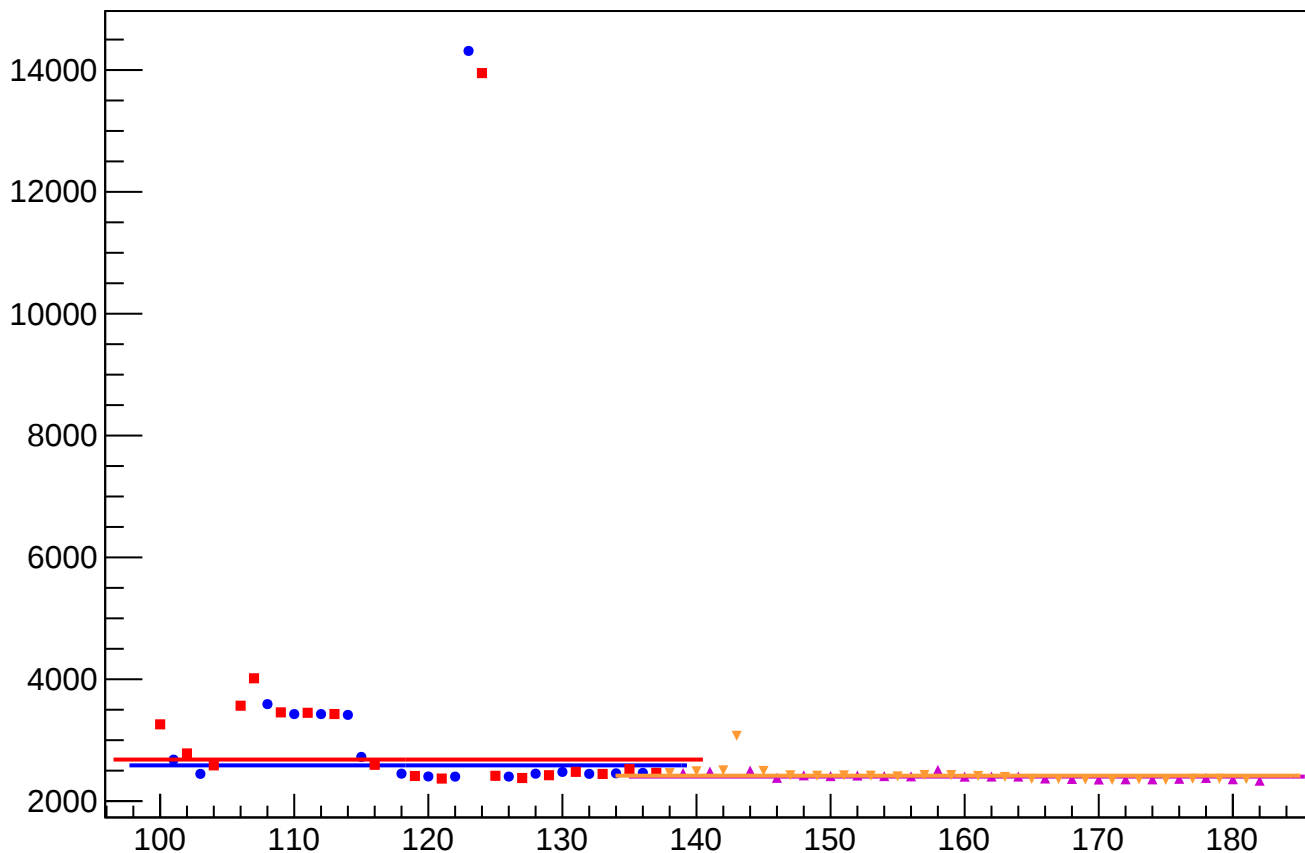
Right: 1279.574+/-722.186 χ^2/NDF : 36.9/35

In: 1838.435+/-504.228 χ^2/NDF : 35.4/38

Out: 1019.175+/-505.233 χ^2/NDF : 46.9/41

All: 1429.621+/-356.898 χ^2/NDF : 83.7/80

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2586.401 $\pm$ 0.718 χ^2 /NDF: 253848.4/16

Left Out: 2417.562 $\pm$ 0.410 χ^2 /NDF: 72252.8/22

Right Out: 2682.004 $\pm$ 0.726 χ^2 /NDF: 529065.5/18

Left In: 2402.384 $\pm$ 0.411 χ^2 /NDF: 13423.2/21

Left: 2409.979 $\pm$ 0.290 χ^2 /NDF: 86359.5/44

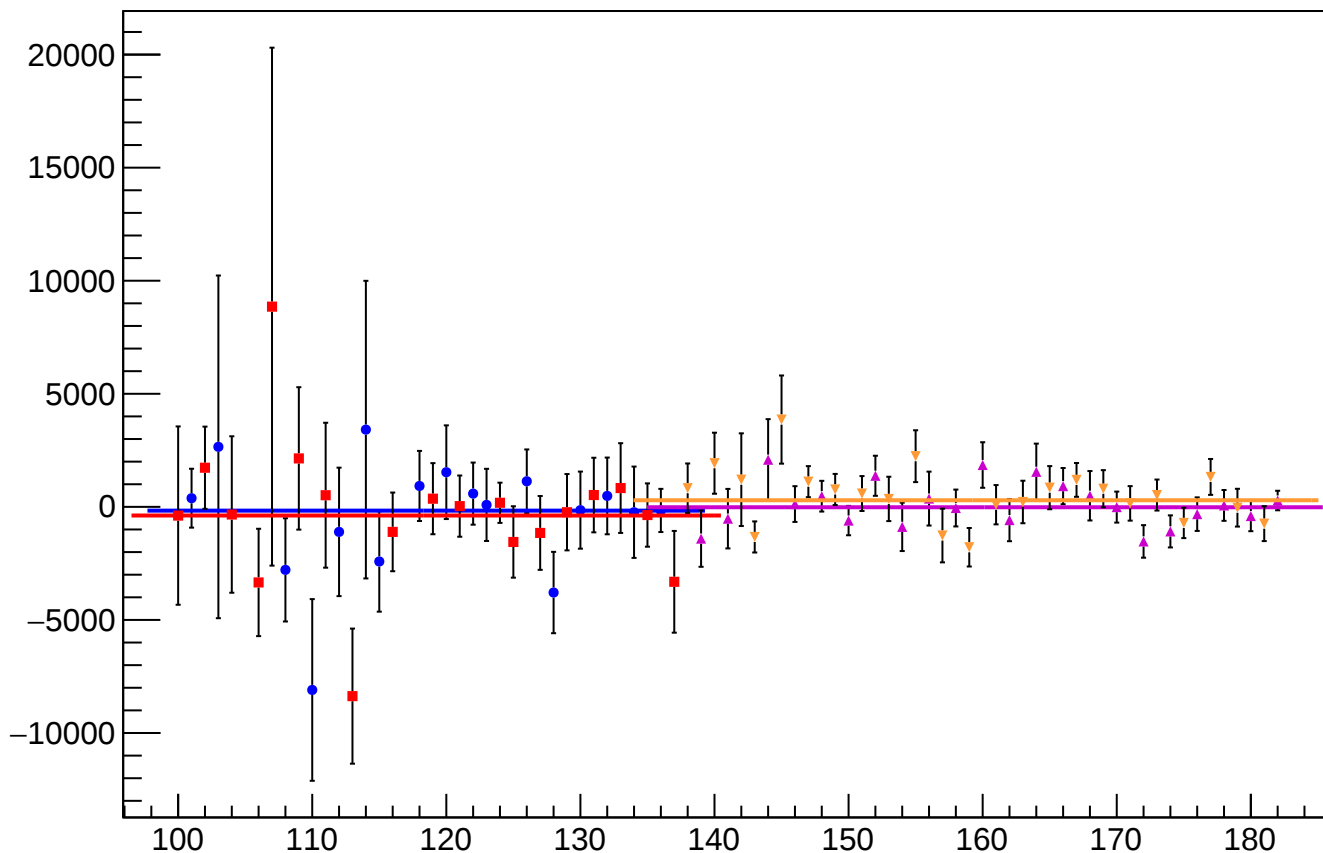
Right: 2633.687 $\pm$ 0.511 χ^2 /NDF: 791675.3/35

In: 2447.720 $\pm$ 0.357 χ^2 /NDF: 316729.5/38

Out: 2481.577 $\pm$ 0.357 χ^2 /NDF: 701845.3/41

All: 2464.614 $\pm$ 0.252 χ^2 /NDF: 1023074.5/80

asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: -166.806+/-421.387 χ^2 /NDF: 13.5/16

Left Out: 291.863+/-178.478 χ^2 /NDF:31.7/22

Right Out: -382.536+/-410.020 χ^2 /NDF: 15.5/18

Left In: -17.428+/-169.508 χ^2 /NDF:22.0/21

Left: 129.250+/-122.909 χ^2 /NDF: 55.3/44

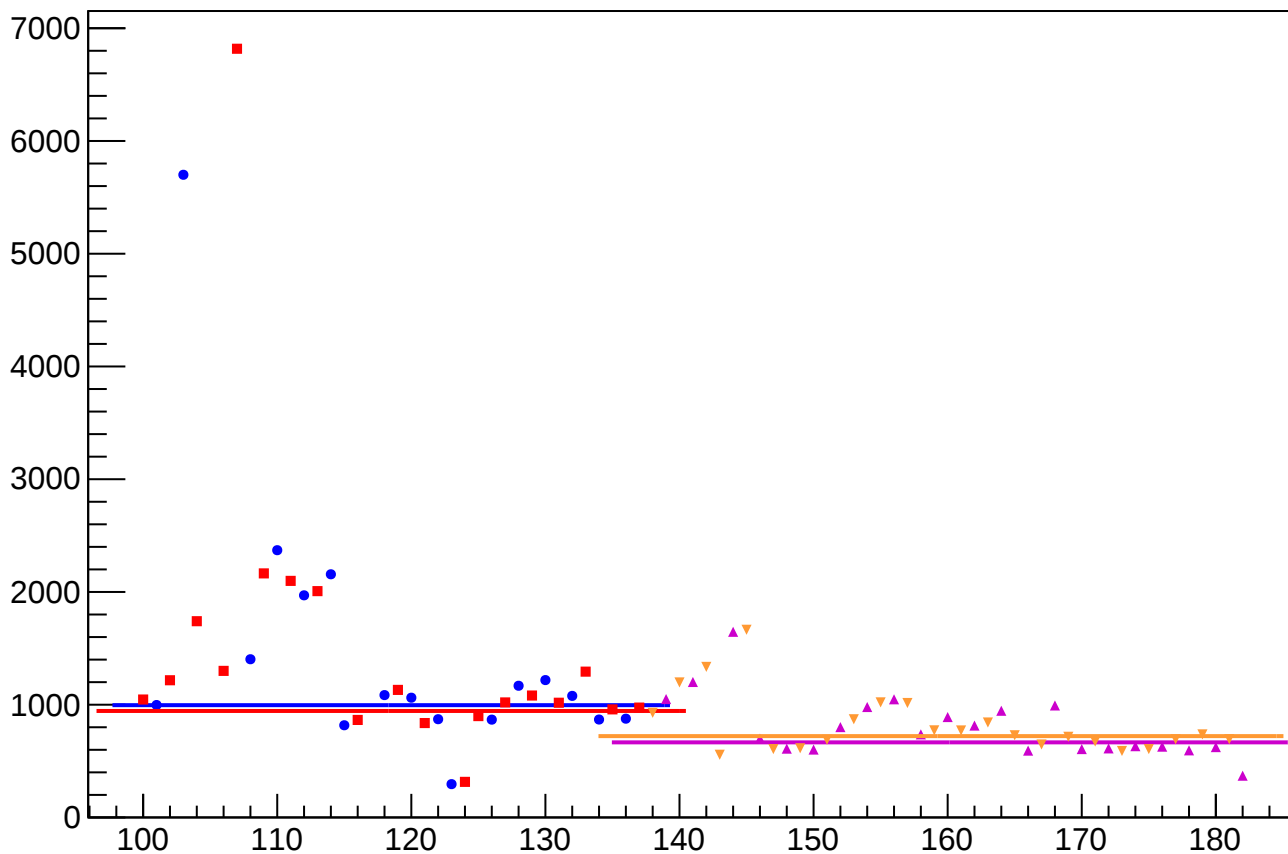
Right: -277.620+/-293.864 χ^2 /NDF: 29.1/35

In: -38.233+/-157.261 χ^2 /NDF:35.6/38

Out: 184.435+/-163.646 χ^2 /NDF:49.5/41

All: 68.672+/-113.391 χ^2 /NDF: 86.0/80

asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 995.873 ± 0.298 $\chi^2/\text{NDF}: 1903000.1/16$

Left Out: 721.415 ± 0.126 $\chi^2/\text{NDF}: 1711057.9/22$

Right Out: 944.562 ± 0.290 $\chi^2/\text{NDF}: 2666448.2/18$

Left In: 666.025 ± 0.120 $\chi^2/\text{NDF}: 3045379.1/21$

Left: 692.293 ± 0.087 $\chi^2/\text{NDF}: 4857715.8/44$

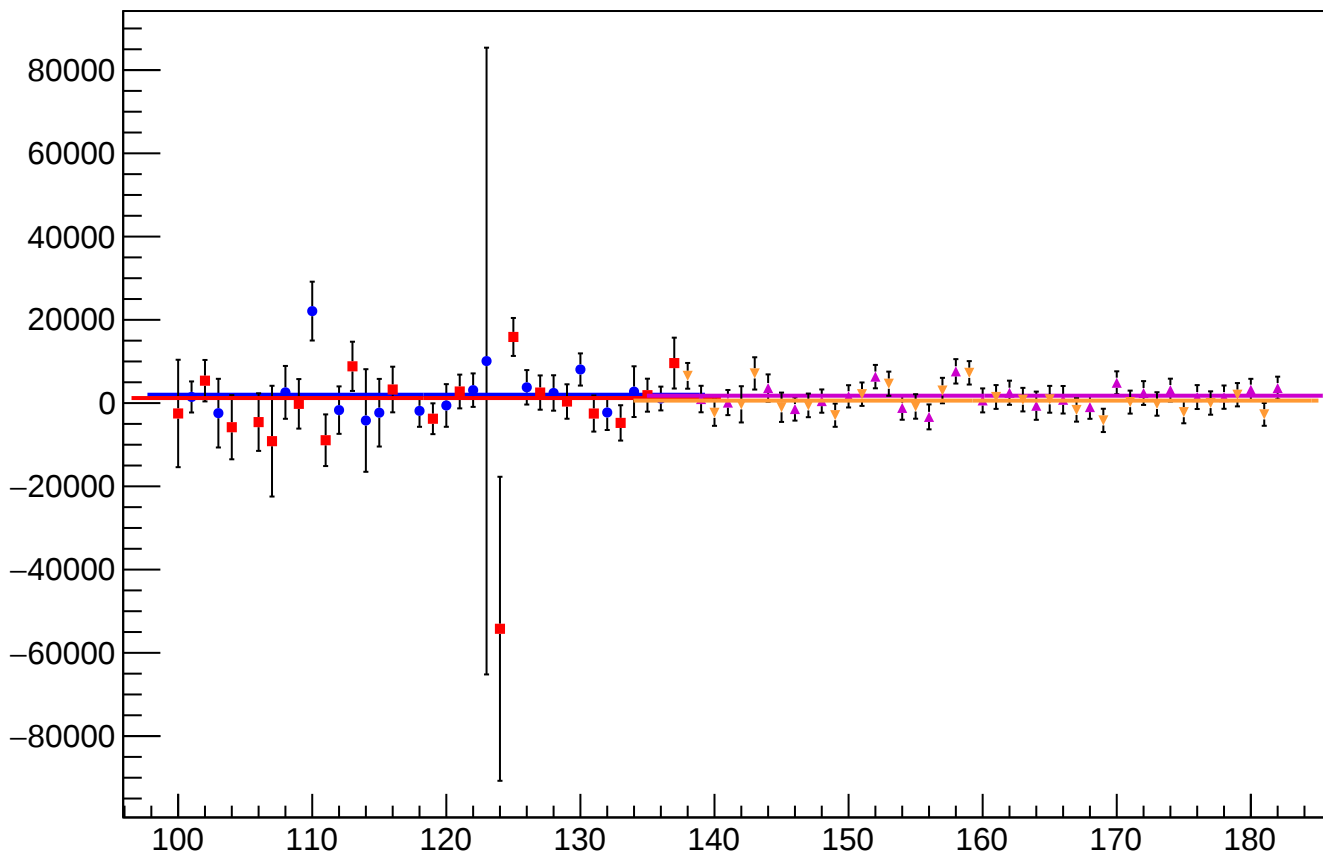
Right: 969.516 ± 0.208 $\chi^2/\text{NDF}: 4584680.9/35$

In: 711.965 ± 0.111 $\chi^2/\text{NDF}: 6003152.7/38$

Out: 756.961 ± 0.116 $\chi^2/\text{NDF}: 4875524.9/41$

All: 733.568 ± 0.080 $\chi^2/\text{NDF}: 10957287.6/80$

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2009.141+/-1163.584 χ^2/NDF : 14.5/16

Left Out: 599.033+/-616.145 χ^2/NDF : 24.7/22

Right Out: 1208.755+/-1191.039 χ^2/NDF : 26.8/18

Left In: 1773.829+/-615.887 χ^2/NDF : 16.9/21

Left: 1186.677+/-435.589 χ^2/NDF : 43.4/44

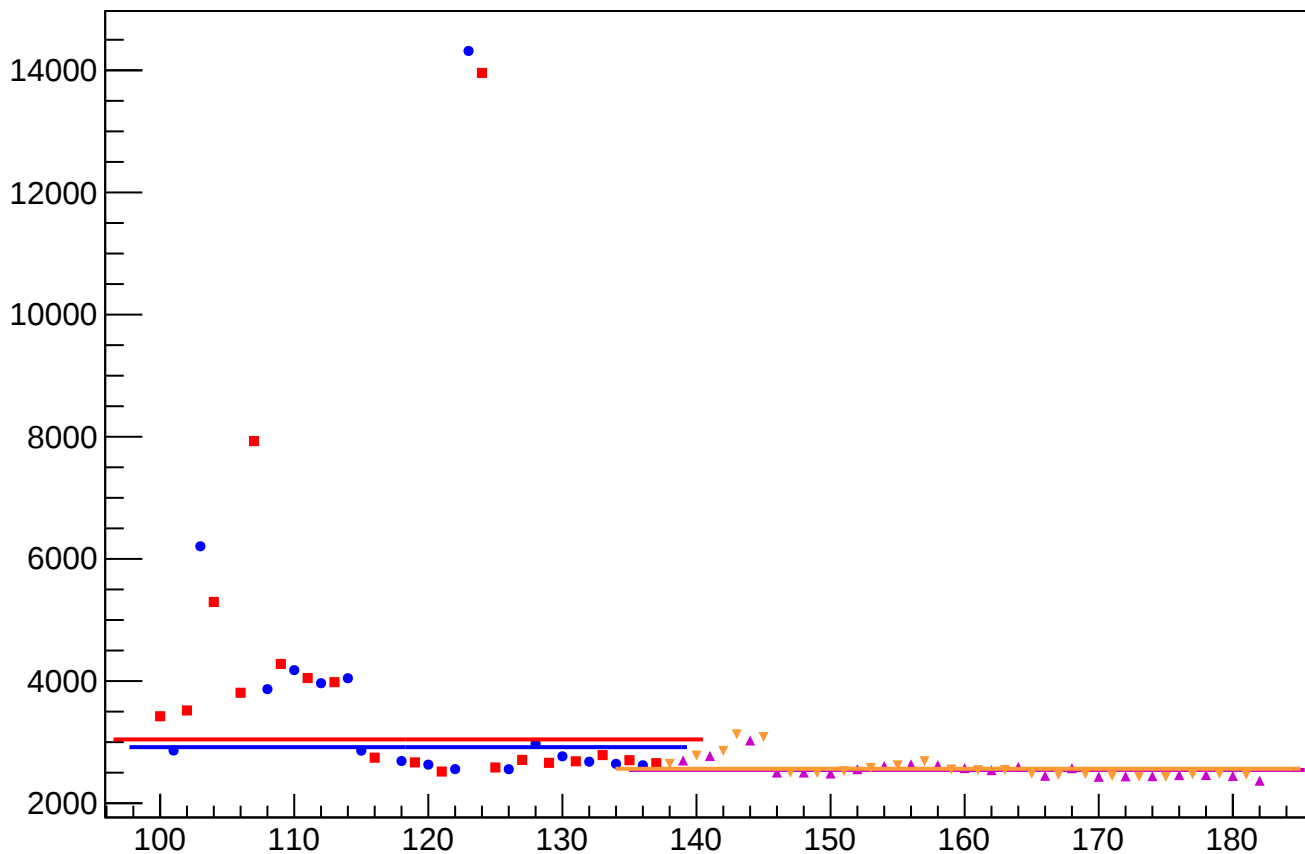
Right: 1618.280+/-832.315 χ^2/NDF : 41.6/35

In: 1825.327+/-544.338 χ^2/NDF : 31.5/38

Out: 727.757+/-547.254 χ^2/NDF : 51.7/41

All: 1279.473+/-385.932 χ^2/NDF : 85.2/80

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2918.002+/-0.823 χ^2/NDF : 636720.5/16

Left Out: 2563.998+/-0.436 χ^2/NDF :137461.4/22

Right Out: 3044.483+/-0.842 χ^2/NDF : 1006712.4/18

Left In: 2544.334+/-0.435 χ^2/NDF :91594.5/21

Left: 2554.162+/-0.308 χ^2/NDF : 230074.8/44

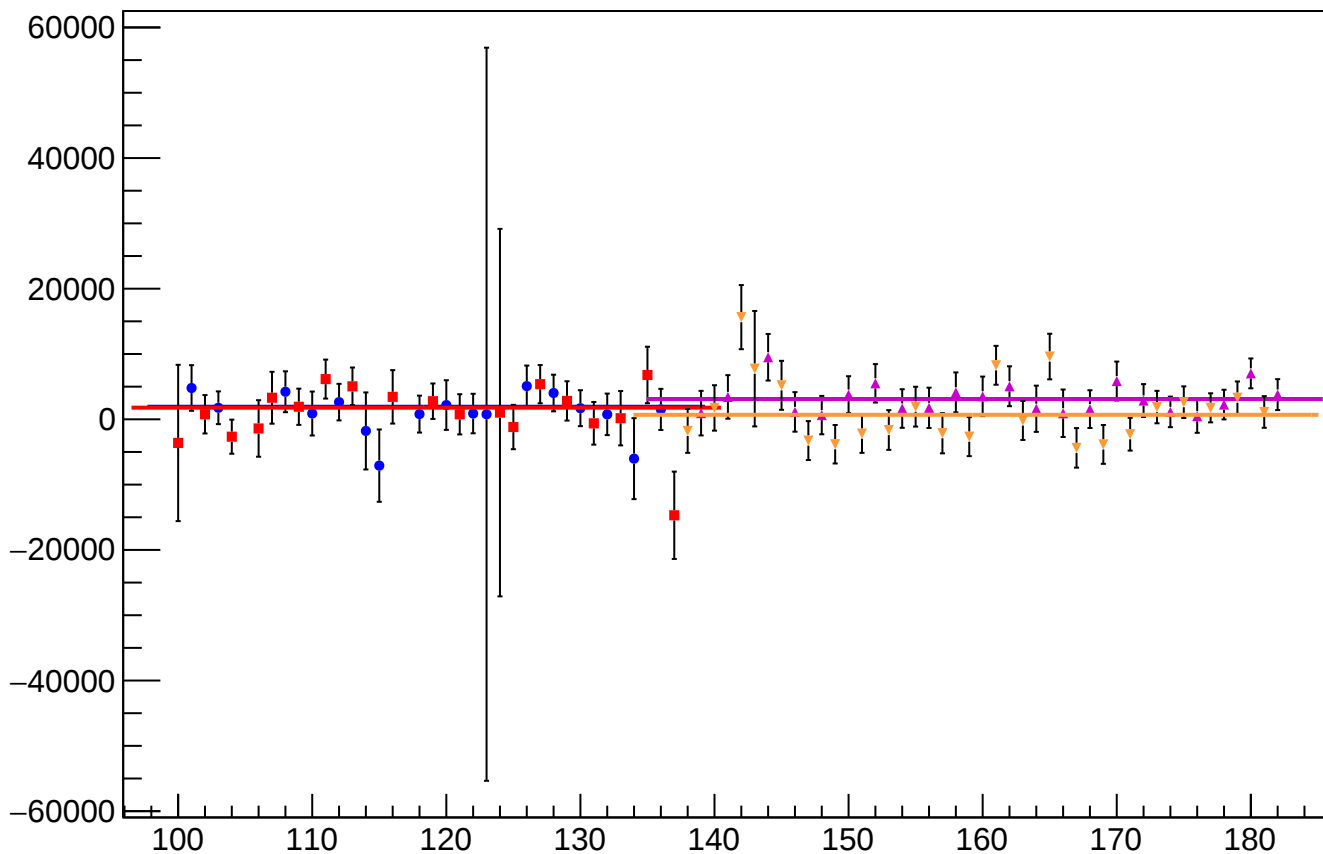
Right: 2979.768+/-0.589 χ^2/NDF : 1654973.1/35

In: 2626.111+/-0.385 χ^2/NDF :889432.3/38

Out: 2665.437+/-0.387 χ^2/NDF :1400947.5/41

All: 2645.669+/-0.273 χ^2/NDF : 2295571.5/80

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1924.076+/-813.616 χ^2/NDF : 8.1/16

Left Out: 689.816+/-616.854 χ^2/NDF : 41.7/22

Right Out: 1783.264+/-792.384 χ^2/NDF : 18.2/18

Left In: 3108.815+/-607.382 χ^2/NDF : 13.1/21

Left: 1918.031+/-432.794 χ^2/NDF : 62.6/44

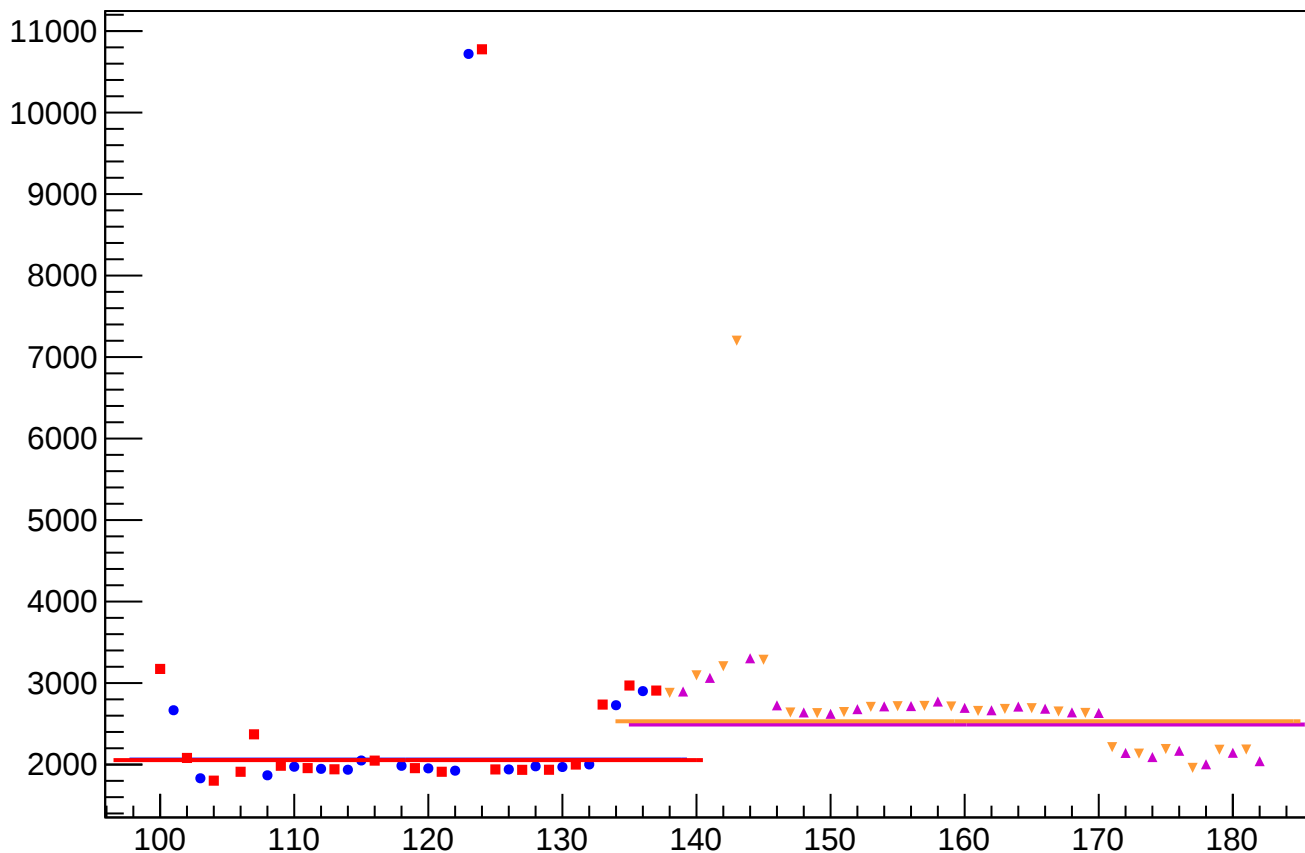
Right: 1851.809+/-567.658 χ^2/NDF : 26.3/35

In: 2684.843+/-486.717 χ^2/NDF : 22.5/38

Out: 1102.424+/-486.750 χ^2/NDF : 61.2/41

All: 1893.687+/-344.172 χ^2/NDF : 89.0/80

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2060.723+/-0.575 χ^2/NDF : 317606.8/16

Left Out: 2531.000+/-0.436 χ^2/NDF : 1141715.8/22

Right Out: 2054.686+/-0.560 χ^2/NDF : 441666.4/18

Left In: 2491.245+/-0.429 χ^2/NDF : 637976.5/21

Left: 2510.815+/-0.306 χ^2/NDF : 1783910.2/44

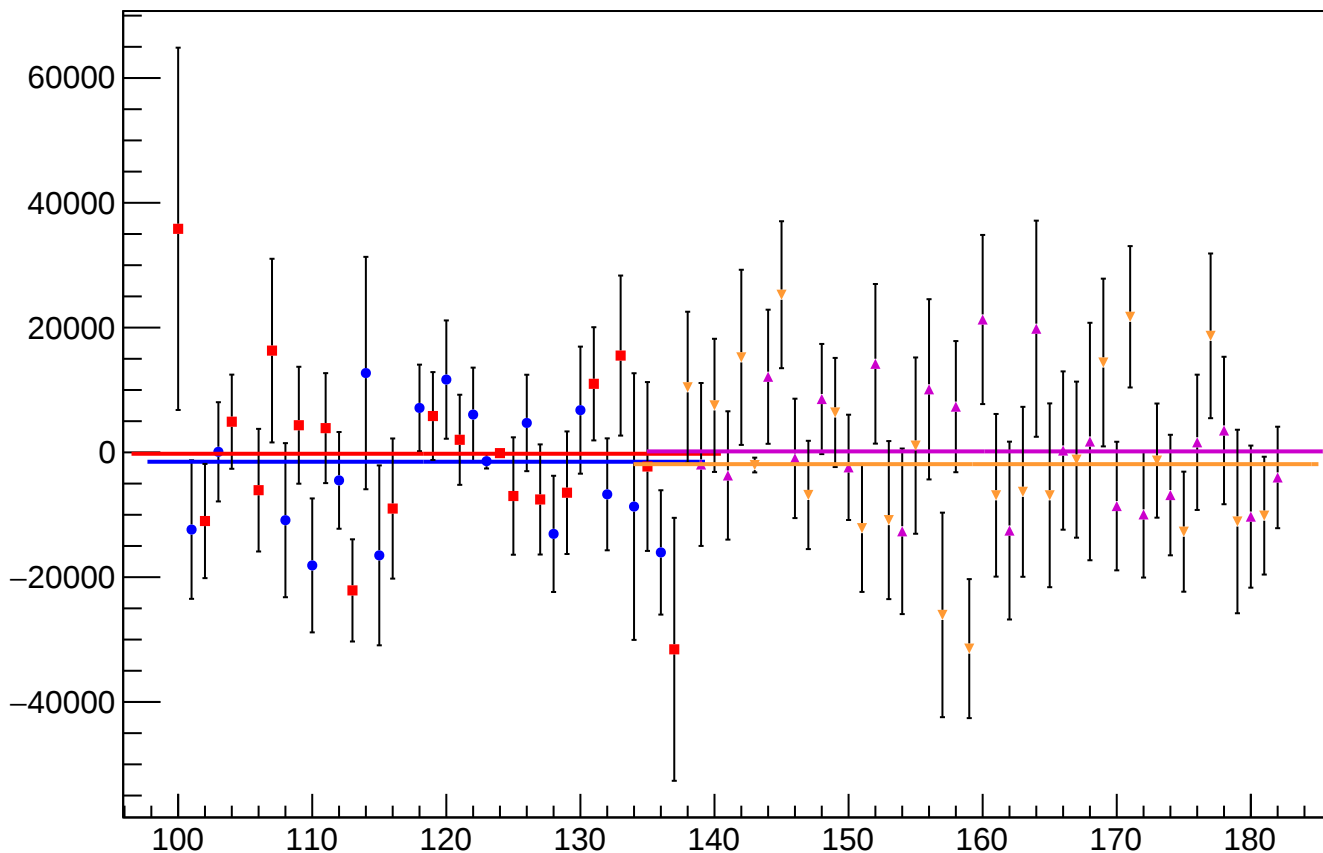
Right: 2057.625+/-0.401 χ^2/NDF : 759329.8/35

In: 2337.178+/-0.344 χ^2/NDF : 1315176.2/38

Out: 2351.264+/-0.344 χ^2/NDF : 2033363.8/41

All: 2344.220+/-0.243 χ^2/NDF : 3349377.5/80

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: -1500.129 $\pm$ 1054.661 χ^2 /NDF: 15.7/16

Left Out: -1885.341 $\pm$ 1064.942 χ^2 /NDF:31.7/22

Right Out: -219.966 $\pm$ 695.338 χ^2 /NDF: 21.0/18

Left In: 158.026 $\pm$ 2366.933 χ^2 /NDF:13.5/21

Left: -1541.335 $\pm$ 971.171 χ^2 /NDF: 45.7/44

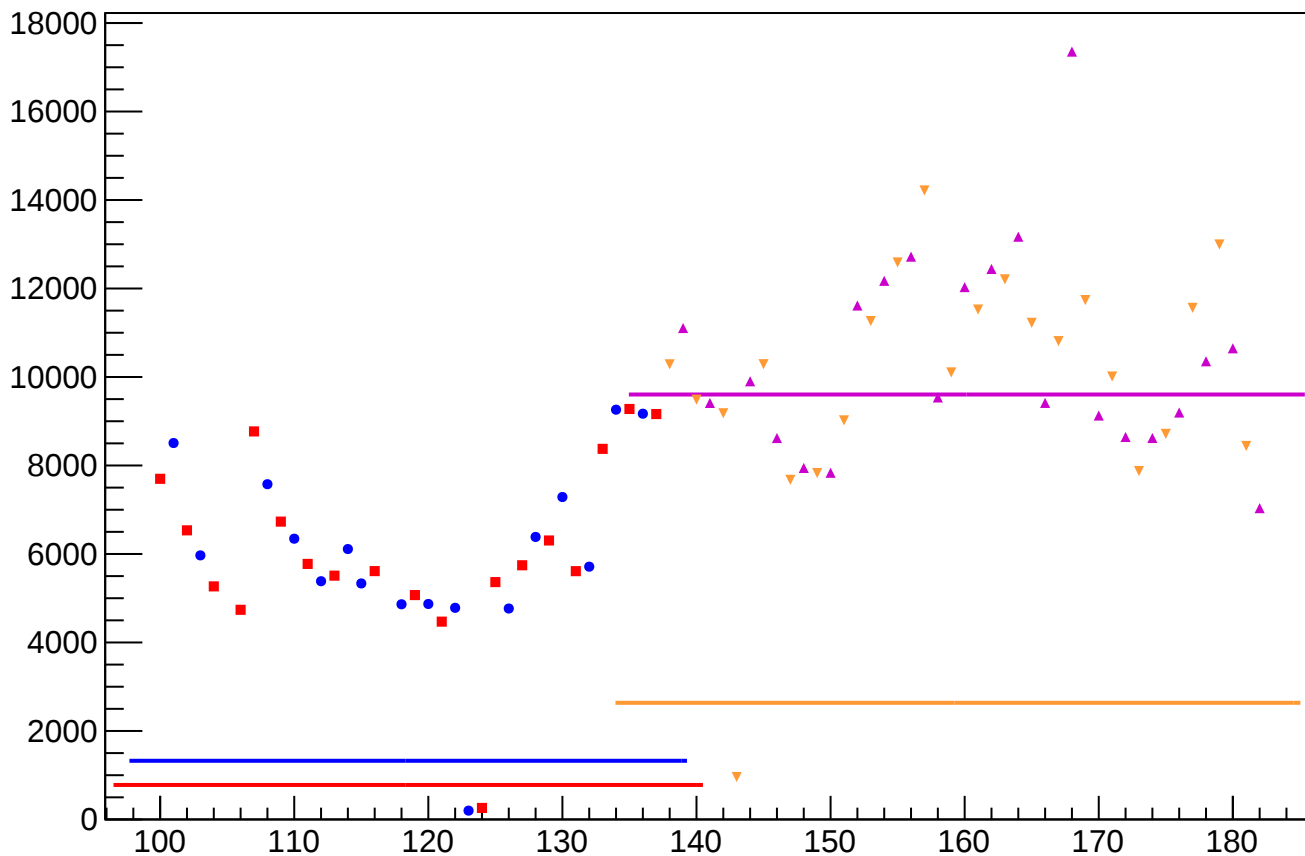
Right: -607.828 $\pm$ 580.522 χ^2 /NDF: 37.7/35

In: -1225.449 $\pm$ 963.355 χ^2 /NDF:29.6/38

Out: -717.741 $\pm$ 582.219 χ^2 /NDF:54.3/41

All: -853.573 $\pm$ 498.287 χ^2 /NDF: 84.1/80

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1326.061+/-0.746

χ^2/NDF : 10027581.6/16

Left Out: 2636.490+/-0.753

χ^2/NDF : 22238580.5/22

Right Out: 779.806+/-0.492

χ^2/NDF : 11406365.3/18

Left In: 9604.200+/-1.674

χ^2/NDF : 1256645.0/21

Left: 3809.521+/-0.687

χ^2/NDF : 37908997.1/44

Right: 945.309+/-0.410

χ^2/NDF : 21807921.5/35

In: 2697.364+/-0.681

χ^2/NDF : 31695495.8/38

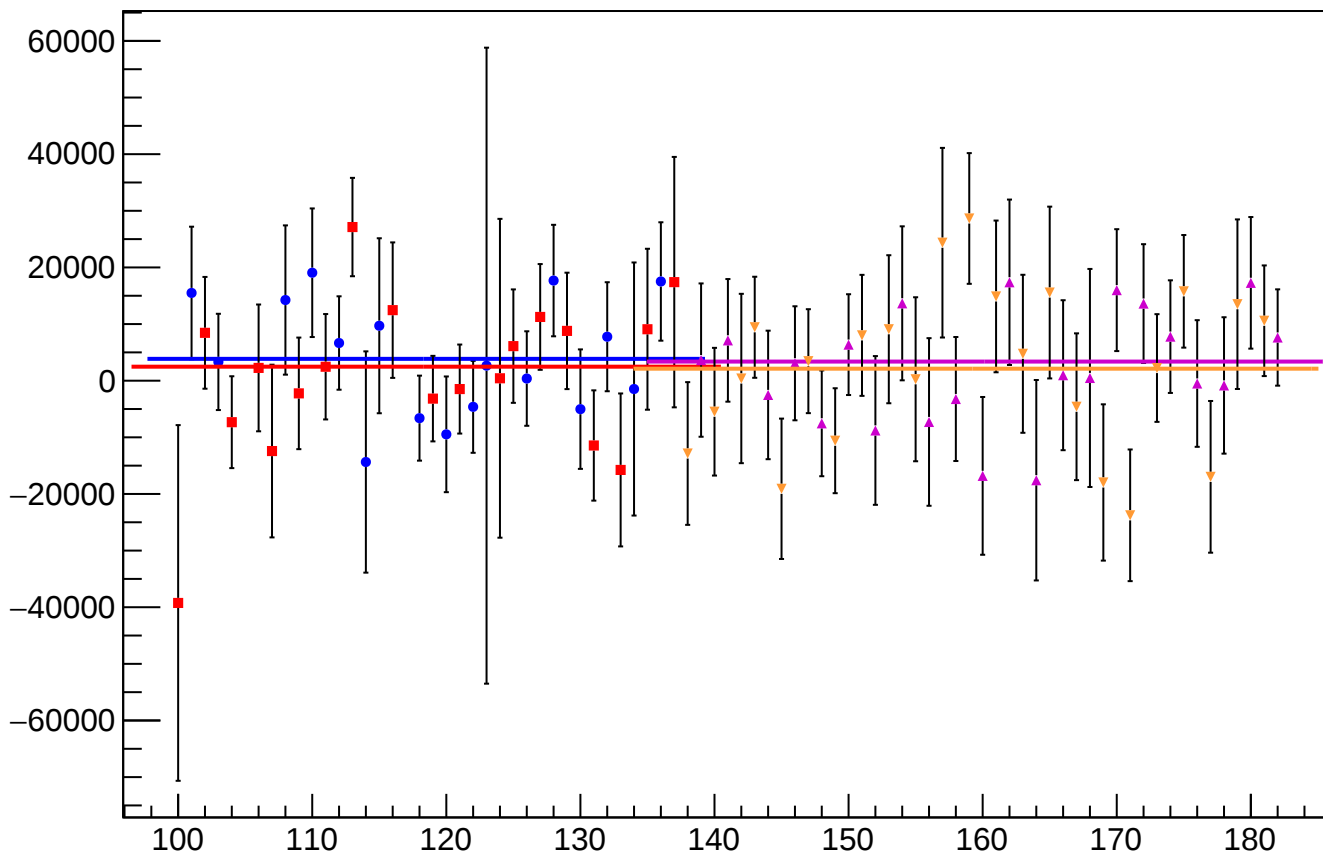
Out: 1334.763+/-0.412

χ^2/NDF : 37907165.2/41

All: 1699.311+/-0.352

χ^2/NDF : 72533421.1/8

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3858.326 $\pm$ 2543.101 χ^2 /NDF: 14.1/16

Left Out: 2121.129 $\pm$ 2446.780 χ^2 /NDF: 29.4/22

Right Out: 2474.681 $\pm$ 2426.960 χ^2 /NDF: 20.3/18

Left In: 3377.737 $\pm$ 2460.086 χ^2 /NDF: 13.1/21

Left: 2746.025 $\pm$ 1734.820 χ^2 /NDF: 42.6/44

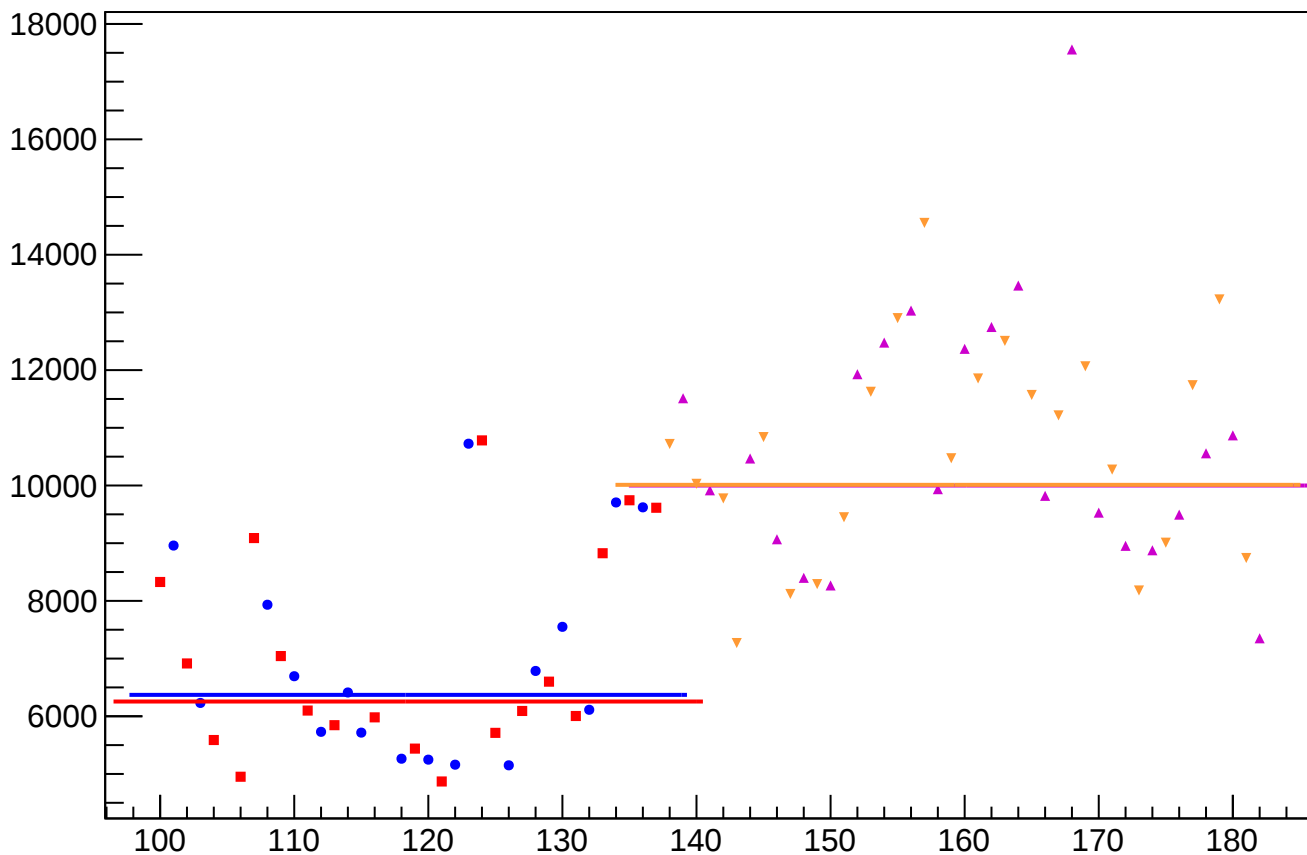
Right: 3134.188 $\pm$ 1755.743 χ^2 /NDF: 34.5/35

In: 3610.059 $\pm$ 1768.164 χ^2 /NDF: 27.2/38

Out: 2299.343 $\pm$ 1723.085 χ^2 /NDF: 49.7/41

All: 2937.780 $\pm$ 1234.034 χ^2 /NDF: 77.1/80

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6370.939+/-1.798 χ^2/NDF : 578725.9/16

Left Out: 10011.516+/-1.730 χ^2/NDF : 1063734.6/22

Right Out: 6255.569+/-1.716 χ^2/NDF : 532740.6/18

Left In: 9999.467+/-1.740 χ^2/NDF : 1150470.7/21

Left: 10005.524+/-1.227 χ^2/NDF : 2214229.4/44

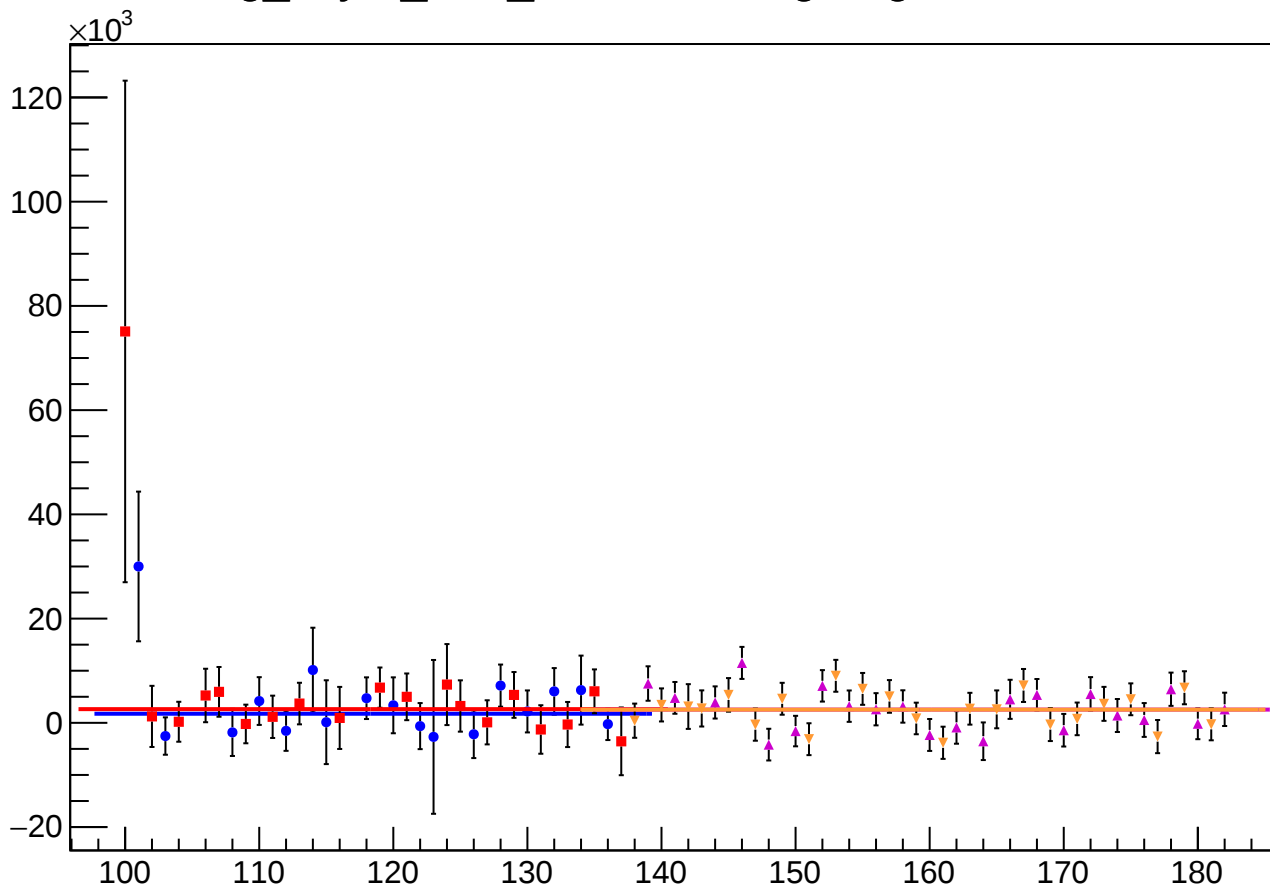
Right: 6310.557+/-1.241 χ^2/NDF : 1113620.8/35

In: 8245.384+/-1.250 χ^2/NDF : 3832538.5/38

Out: 8118.182+/-1.218 χ^2/NDF : 3972150.4/41

All: 8180.139+/-0.873 χ^2/NDF : 7809998.0/80

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1745.509+/-1131.300 χ^2/NDF : 13.4/16

Left Out: 2534.106+/-664.646 χ^2/NDF : 26.5/22

Right Out: 2628.839+/-1074.553 χ^2/NDF : 9.6/18

Left In: 2538.319+/-669.663 χ^2/NDF : 33.7/21

Left: 2536.197+/-471.740 χ^2/NDF : 60.3/44

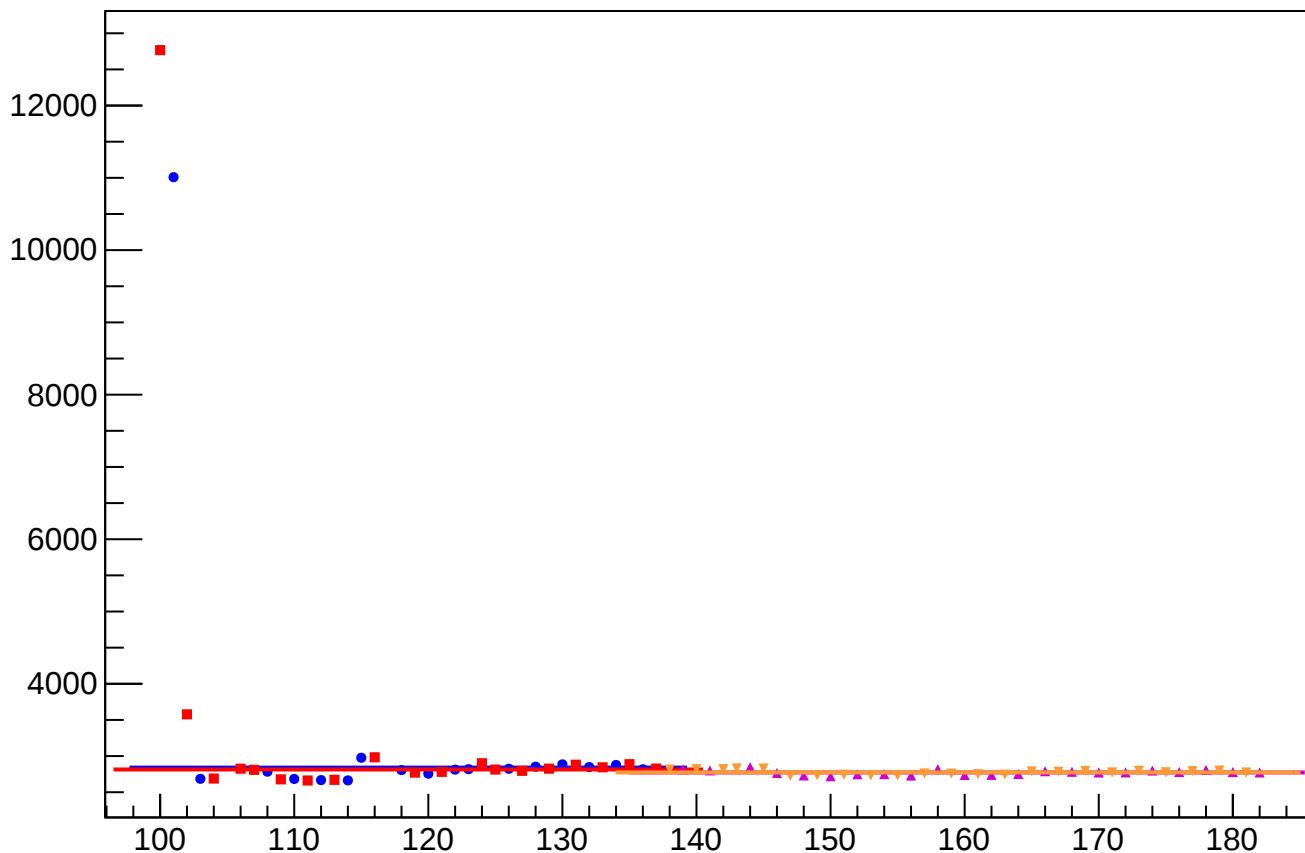
Right: 2209.883+/-779.113 χ^2/NDF : 23.4/35

In: 2332.604+/-576.270 χ^2/NDF : 47.5/38

Out: 2560.320+/-565.256 χ^2/NDF : 36.1/41

All: 2448.659+/-403.534 χ^2/NDF : 83.8/80

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2840.326+/-0.800 χ^2/NDF : 660130.0/16

Left Out: 2773.774+/-0.470 χ^2/NDF : 4555.1/22

Right Out: 2814.625+/-0.760 χ^2/NDF : 133037.9/18

Left In: 2773.227+/-0.474 χ^2/NDF : 4792.6/21

Left: 2773.503+/-0.334 χ^2/NDF : 9348.4/44

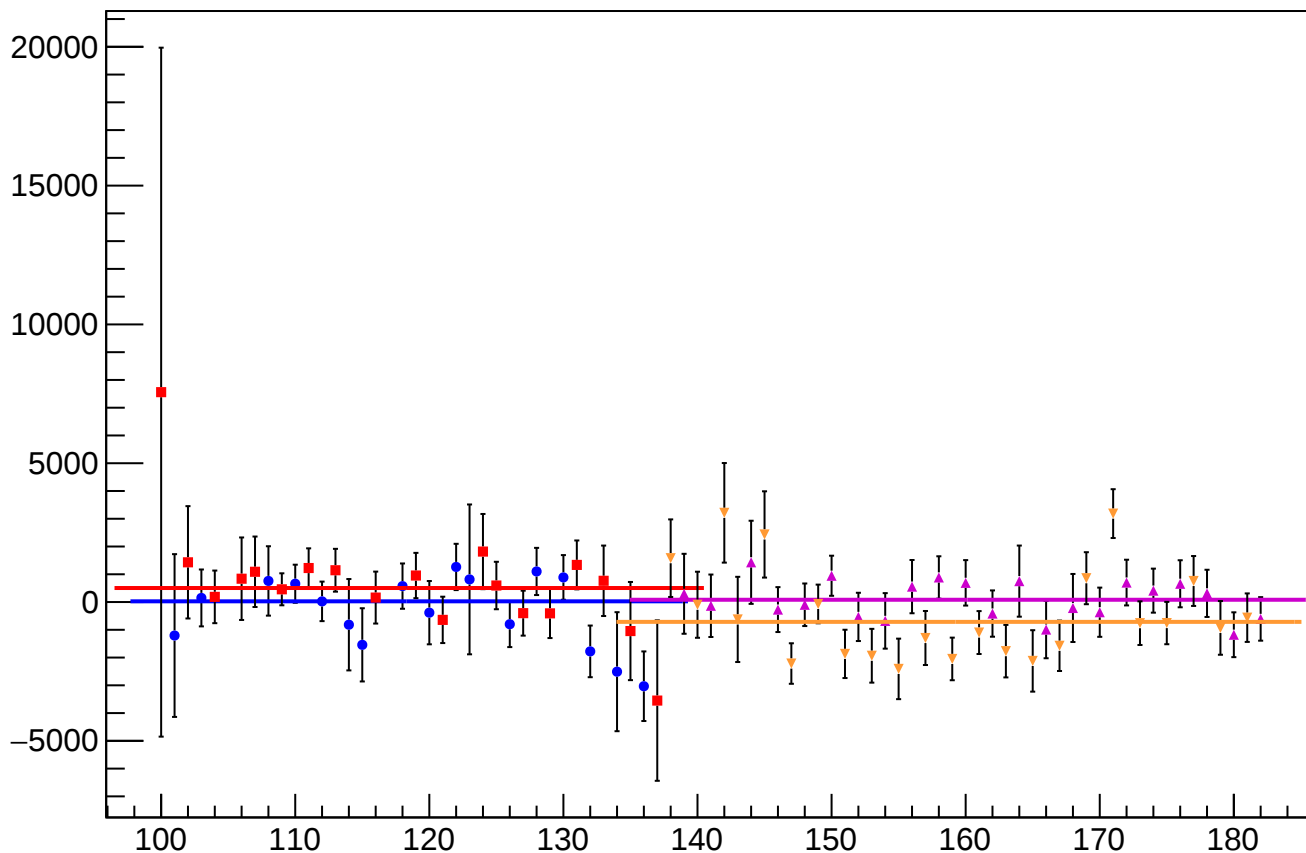
Right: 2826.815+/-0.551 χ^2/NDF : 793710.6/35

In: 2790.637+/-0.407 χ^2/NDF : 670132.8/38

Out: 2785.078+/-0.400 χ^2/NDF : 139683.6/41

All: 2787.804+/-0.285 χ^2/NDF : 809911.3/80

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: 25.744 $\pm$ 242.455 χ^2/NDF : 20.8/16

Left Out: -714.131 $\pm$ 194.248 χ^2/NDF :55.4/22

Right Out: 504.940 $\pm$ 222.180 χ^2/NDF : 11.9/18

Left In: 81.972 $\pm$ 190.973 χ^2/NDF :12.1/21

Left: -309.312 $\pm$ 136.182 χ^2/NDF : 76.0/44

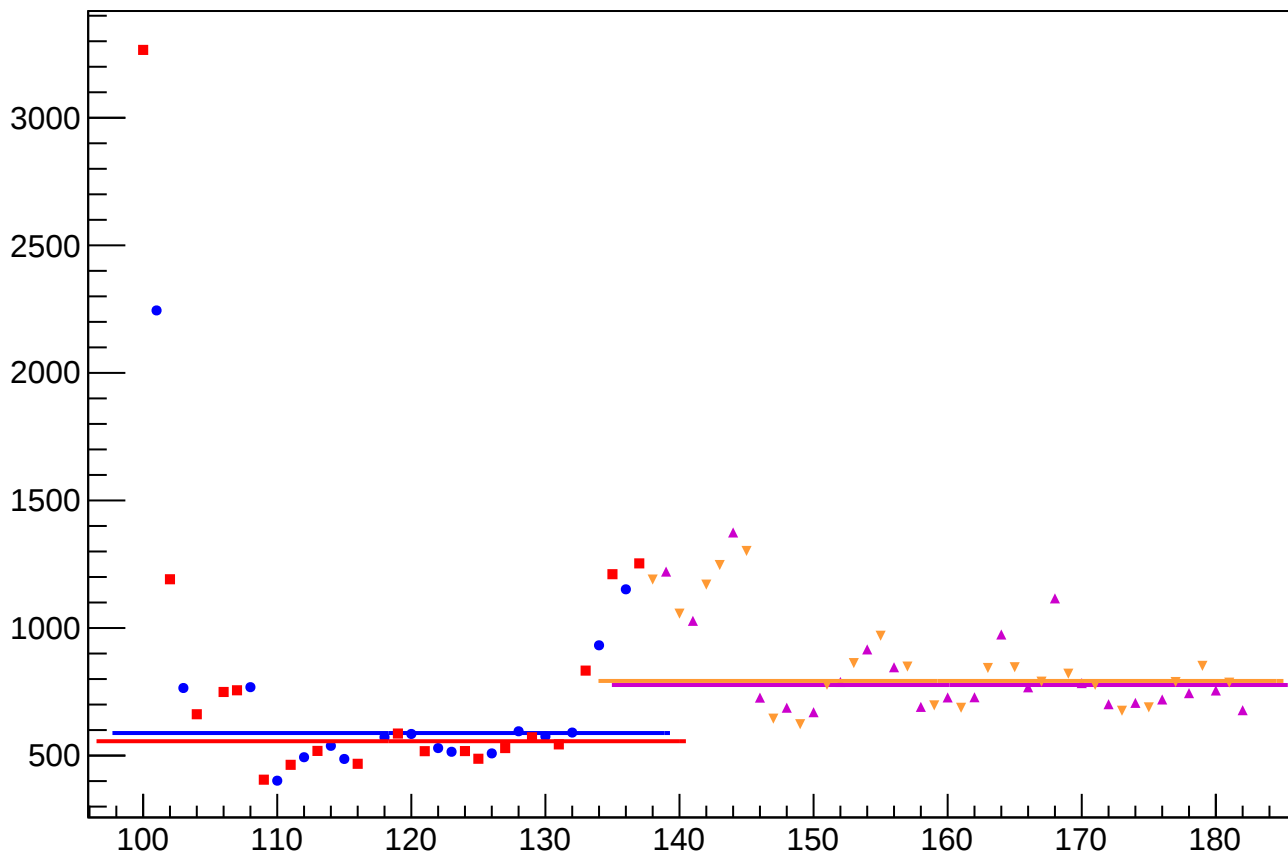
Right: 286.213 $\pm$ 163.805 χ^2/NDF : 34.8/35

In: 60.444 $\pm$ 150.024 χ^2/NDF :32.9/38

Out: -185.997 $\pm$ 146.239 χ^2/NDF :84.3/41

All: -65.925 $\pm$ 104.719 χ^2/NDF : 118.6/80

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 588.381+/-0.171 χ^2/NDF : 1423934.9/16

Left Out: 792.562+/-0.137 χ^2/NDF : 1180180.9/22

Right Out: 556.282+/-0.157 χ^2/NDF : 1104898.6/18

Left In: 776.614+/-0.135 χ^2/NDF : 1055387.3/21

Left: 784.452+/-0.096 χ^2/NDF : 2242423.4/44

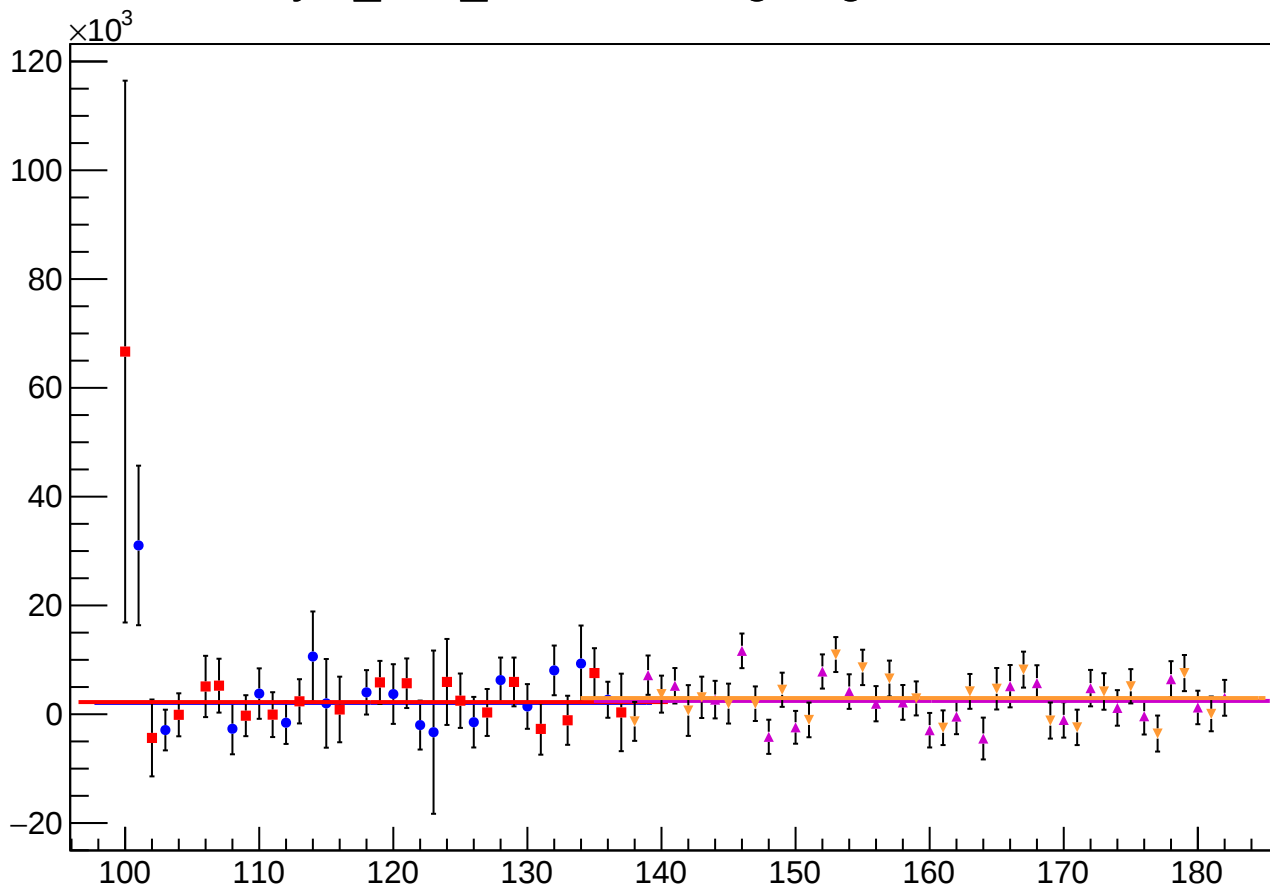
Right: 570.933+/-0.116 χ^2/NDF : 2547887.1/35

In: 704.544+/-0.106 χ^2/NDF : 3223255.1/38

Out: 690.199+/-0.103 χ^2/NDF : 3567067.0/41

All: 697.189+/-0.074 χ^2/NDF : 6799698.7/80

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2083.008 $\pm$ 1167.281 χ^2 /NDF: 14.5/16

Left Out: 2972.077 $\pm$ 698.503 χ^2 /NDF: 31.4/22

Right Out: 2234.490 $\pm$ 1113.044 χ^2 /NDF: 9.9/18

Left In: 2447.765 $\pm$ 701.245 χ^2 /NDF: 33.6/21

Left: 2710.948 $\pm$ 494.883 χ^2 /NDF: 65.3/44

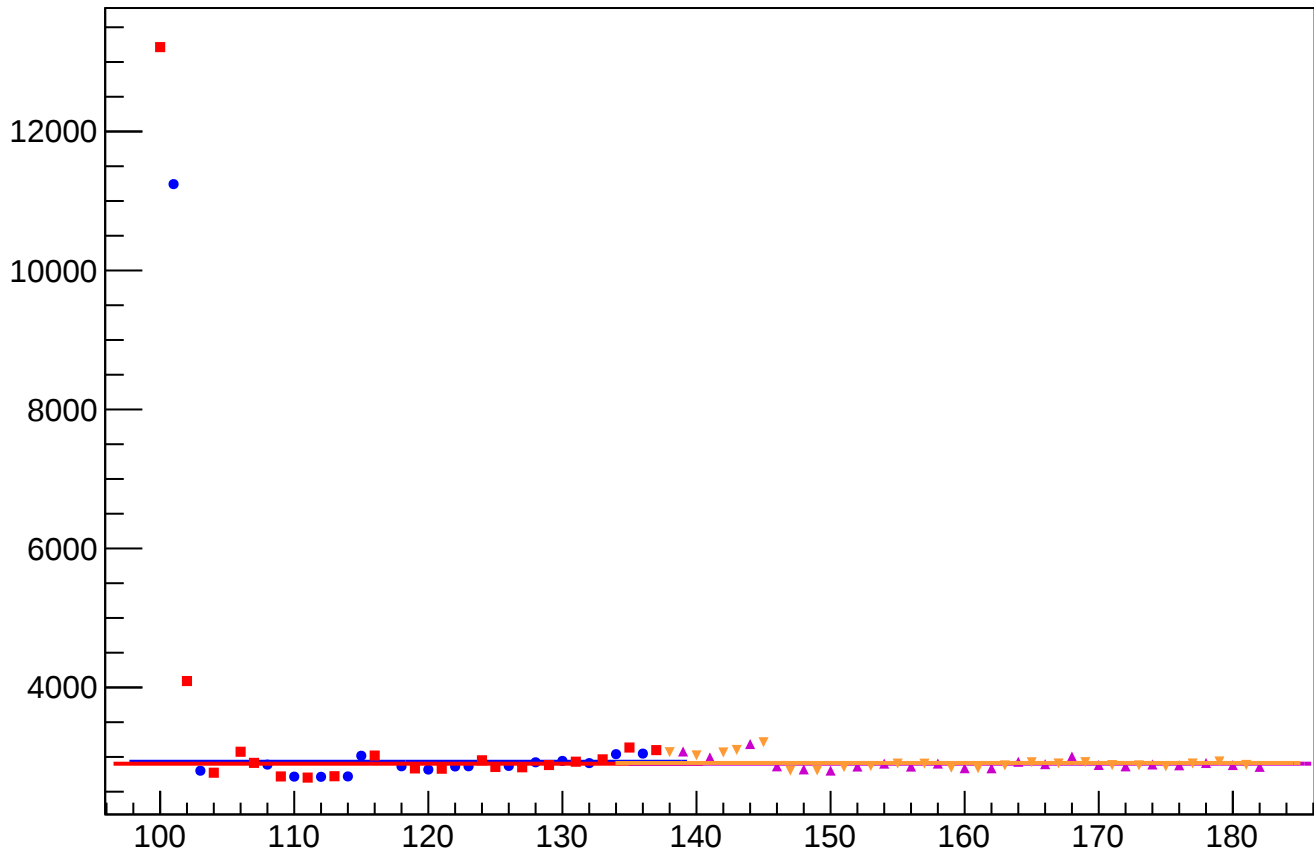
Right: 2162.350 $\pm$ 805.533 χ^2 /NDF: 24.4/35

In: 2351.034 $\pm$ 601.114 χ^2 /NDF: 48.2/38

Out: 2763.669 $\pm$ 591.647 χ^2 /NDF: 41.7/41

All: 2560.626 $\pm$ 421.665 χ^2 /NDF: 90.1/80

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2930.563 $\pm$ 0.825 χ^2 /NDF: 662106.1/16

Left Out: 2913.504 $\pm$ 0.494 χ^2 /NDF: 35301.6/22

Right Out: 2902.768 $\pm$ 0.787 χ^2 /NDF: 169439.3/18

Left In: 2903.003 $\pm$ 0.496 χ^2 /NDF: 28794.8/21

Left: 2908.274 $\pm$ 0.350 χ^2 /NDF: 64321.5/44

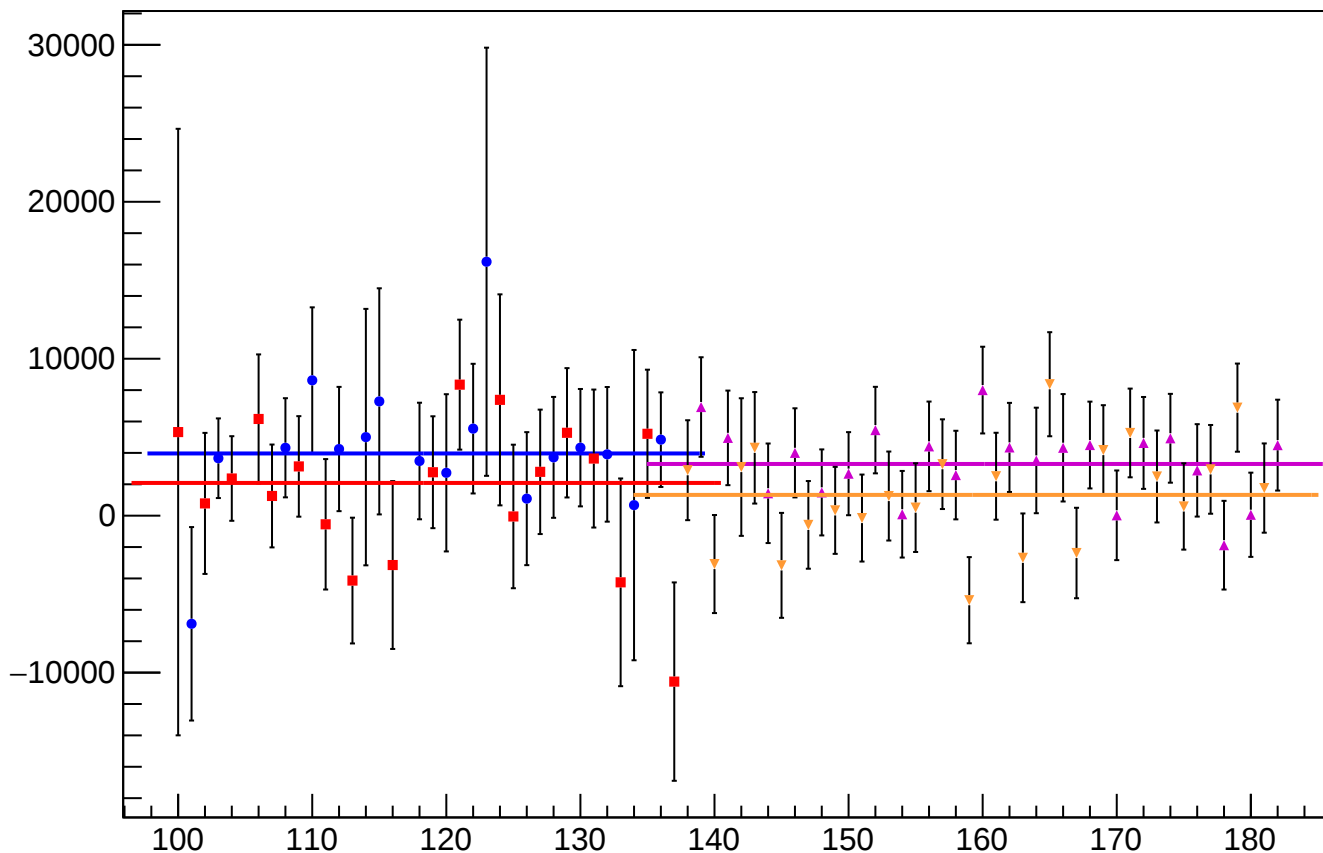
Right: 2916.005 $\pm$ 0.570 χ^2 /NDF: 832139.4/35

In: 2910.312 $\pm$ 0.425 χ^2 /NDF: 691720.2/38

Out: 2910.471 $\pm$ 0.418 χ^2 /NDF: 204874.4/41

All: 2910.392 $\pm$ 0.298 χ^2 /NDF: 896594.7/80

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3964.122 $\pm$ 1014.452 χ^2 /NDF: 6.1/16

Left Out: 1323.540 $\pm$ 613.872 χ^2 /NDF: 28.1/22

Right Out: 2085.504 $\pm$ 960.571 χ^2 /NDF: 14.5/18

Left In: 3294.209 $\pm$ 615.160 χ^2 /NDF: 14.9/21

Left: 2306.810 $\pm$ 434.528 χ^2 /NDF: 48.2/44

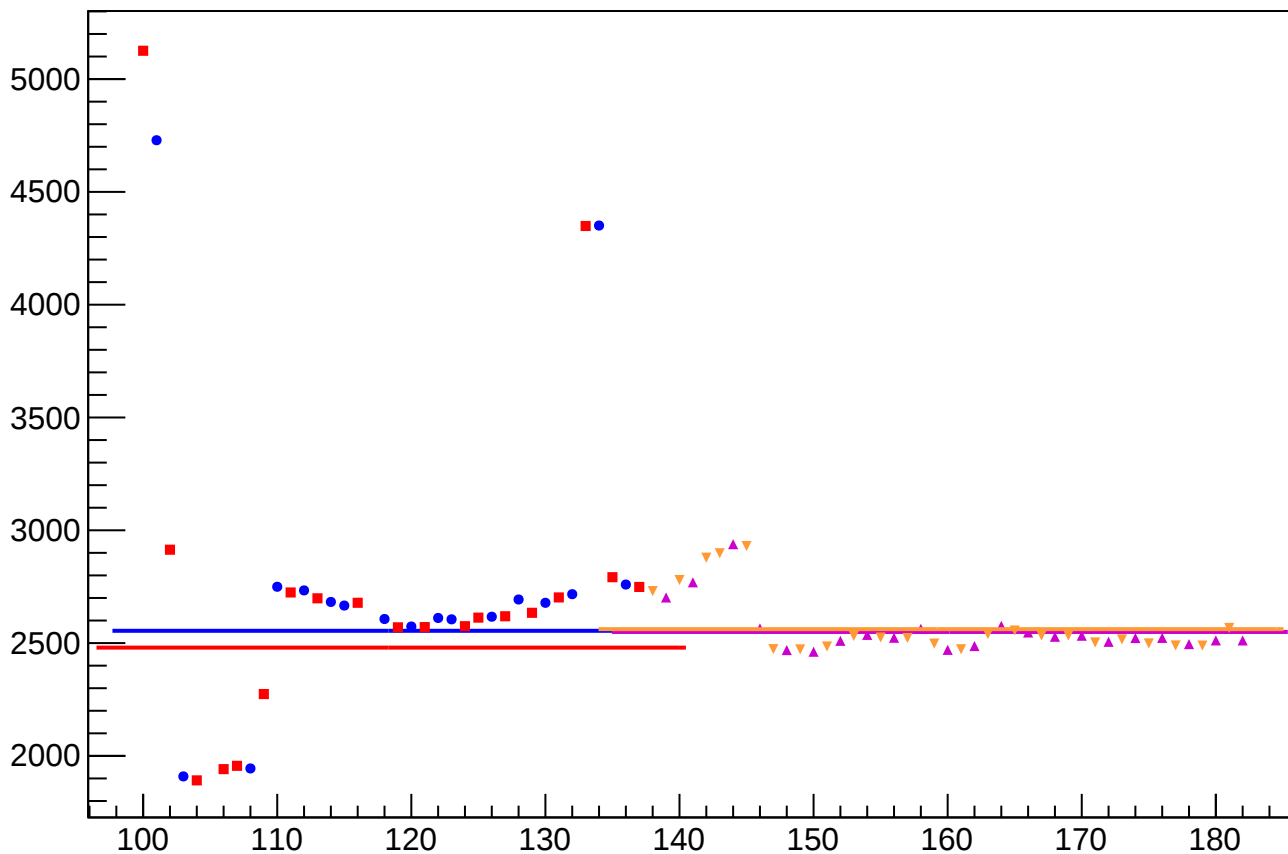
Right: 2973.600 $\pm$ 697.497 χ^2 /NDF: 22.4/35

In: 3474.318 $\pm$ 526.005 χ^2 /NDF: 21.3/38

Out: 1544.494 $\pm$ 517.265 χ^2 /NDF: 43.1/41

All: 2493.240 $\pm$ 368.813 χ^2 /NDF: 71.2/80

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2554.506 $\pm$ 0.717 χ^2 /NDF: 545770.3/16

Left Out: 2561.756 $\pm$ 0.434 χ^2 /NDF: 83290.8/22

Right Out: 2479.954 $\pm$ 0.679 χ^2 /NDF: 450311.6/18

Left In: 2549.324 $\pm$ 0.435 χ^2 /NDF: 55200.9/21

Left: 2555.553 $\pm$ 0.307 χ^2 /NDF: 138900.9/44

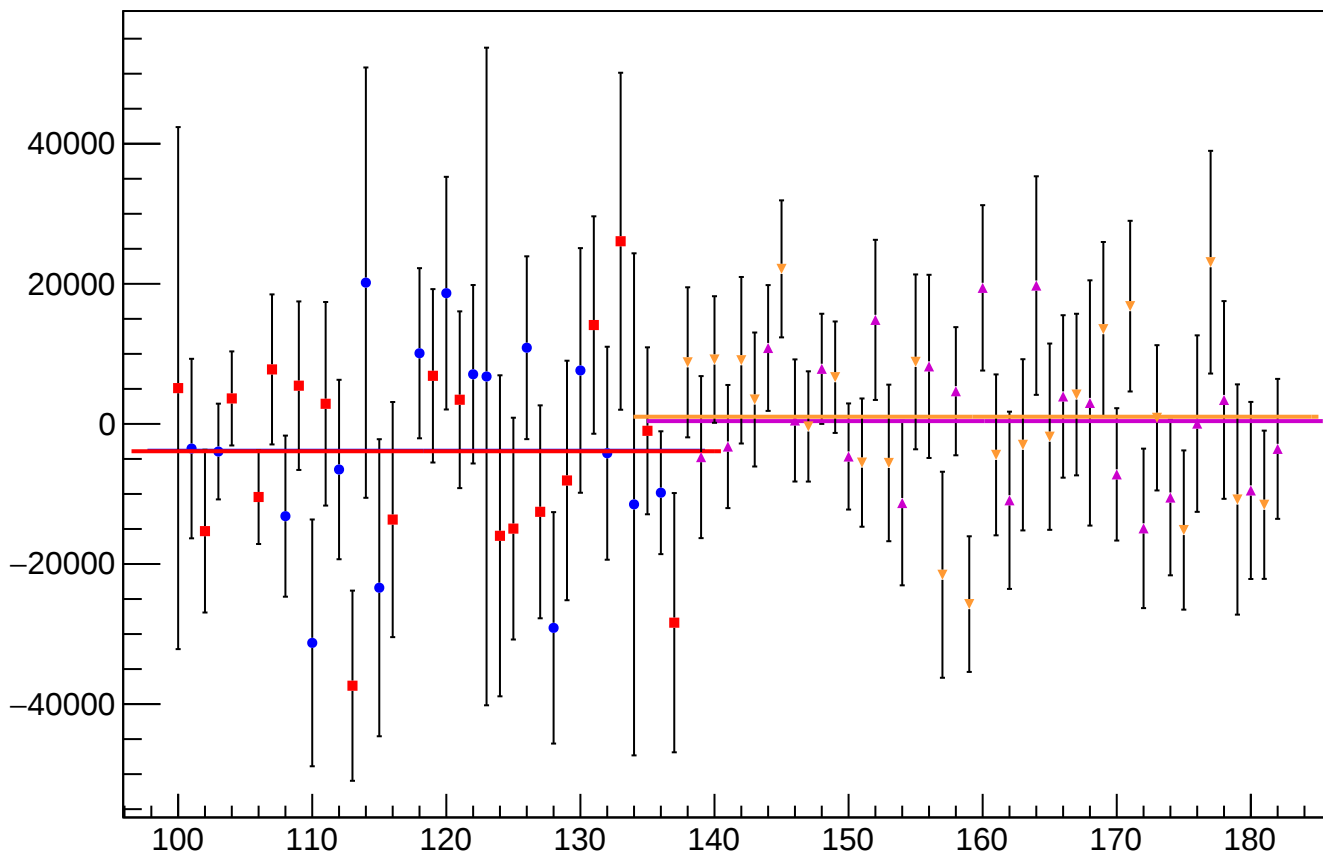
Right: 2515.198 $\pm$ 0.493 χ^2 /NDF: 1001777.2/35

In: 2550.718 $\pm$ 0.372 χ^2 /NDF: 601009.3/38

Out: 2538.035 $\pm$ 0.366 χ^2 /NDF: 543900.9/41

All: 2544.270 $\pm$ 0.261 χ^2 /NDF: 1145501.3/80

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: -3830.114+/-3234.150 χ^2/NDF : 13.1/16

Left Out: 1027.148+/-2251.556 χ^2/NDF : 27.3/22

Right Out: -3902.239+/-2838.290 χ^2/NDF : 18.6/18

Left In: 400.801+/-2263.871 χ^2/NDF : 15.5/21

Left: 715.683+/-1596.427 χ^2/NDF : 42.9/44

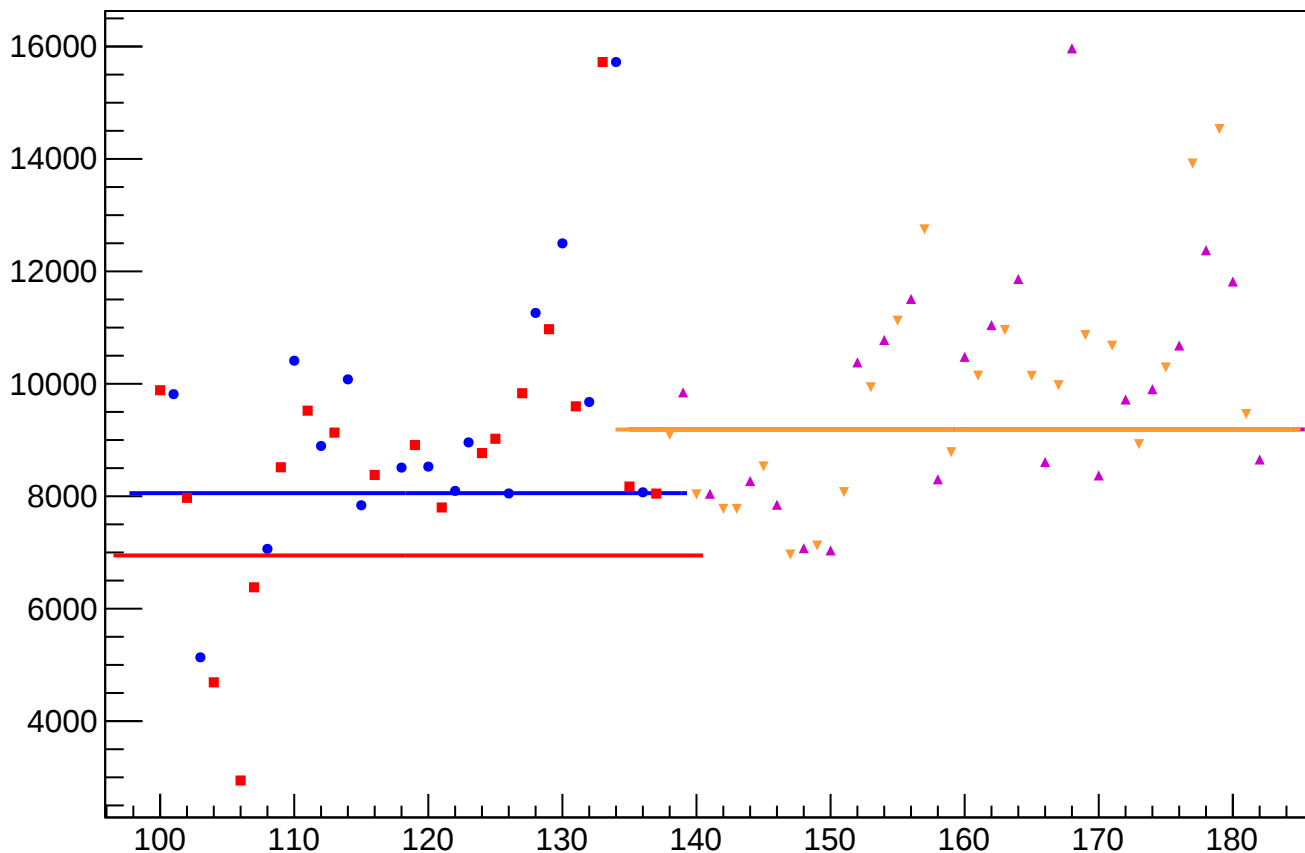
Right: -3870.858+/-2133.280 χ^2/NDF : 31.7/35

In: -990.546+/-1854.644 χ^2/NDF : 29.7/38

Out: -876.761+/-1763.938 χ^2/NDF : 47.8/41

All: -930.803+/-1278.157 χ^2/NDF : 77.5/80

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 8054.857+/-2.287 χ^2/NDF : 795337.9/16

Left Out: 9186.749+/-1.592 χ^2/NDF : 1167159.5/22

Right Out: 6946.742+/-2.007 χ^2/NDF : 1776702.0/18

Left In: 9188.371+/-1.601 χ^2/NDF : 1235401.1/21

Left: 9187.556+/-1.129 χ^2/NDF : 2402561.1/44

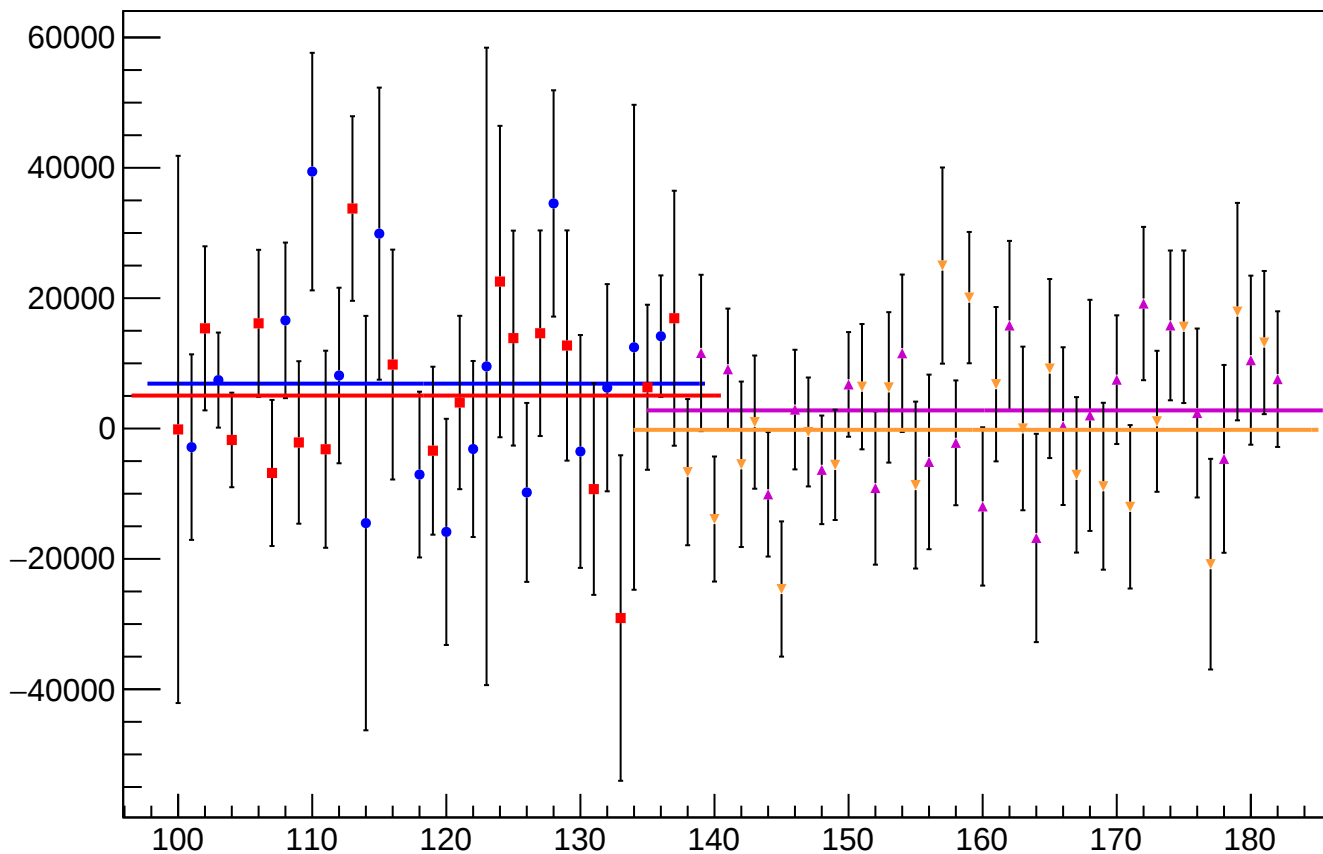
Right: 7428.868+/-1.508 χ^2/NDF : 2704676.1/35

In: 8815.612+/-1.311 χ^2/NDF : 2195624.1/38

Out: 8321.577+/-1.247 χ^2/NDF : 3708430.2/41

All: 8556.218+/-0.904 χ^2/NDF : 5978566.4/80

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6886.765 $\pm$ 3417.693 χ^2 /NDF: 14.3/16

Left Out: -199.583 $\pm$ 2352.358 χ^2 /NDF:25.2/22

Right Out: 5059.238 $\pm$ 3173.297 χ^2 /NDF: 13.3/18

Left In: 2781.954 $\pm$ 2360.480 χ^2 /NDF:14.7/21

Left: 1286.047 $\pm$ 1666.232 χ^2 /NDF: 40.8/44

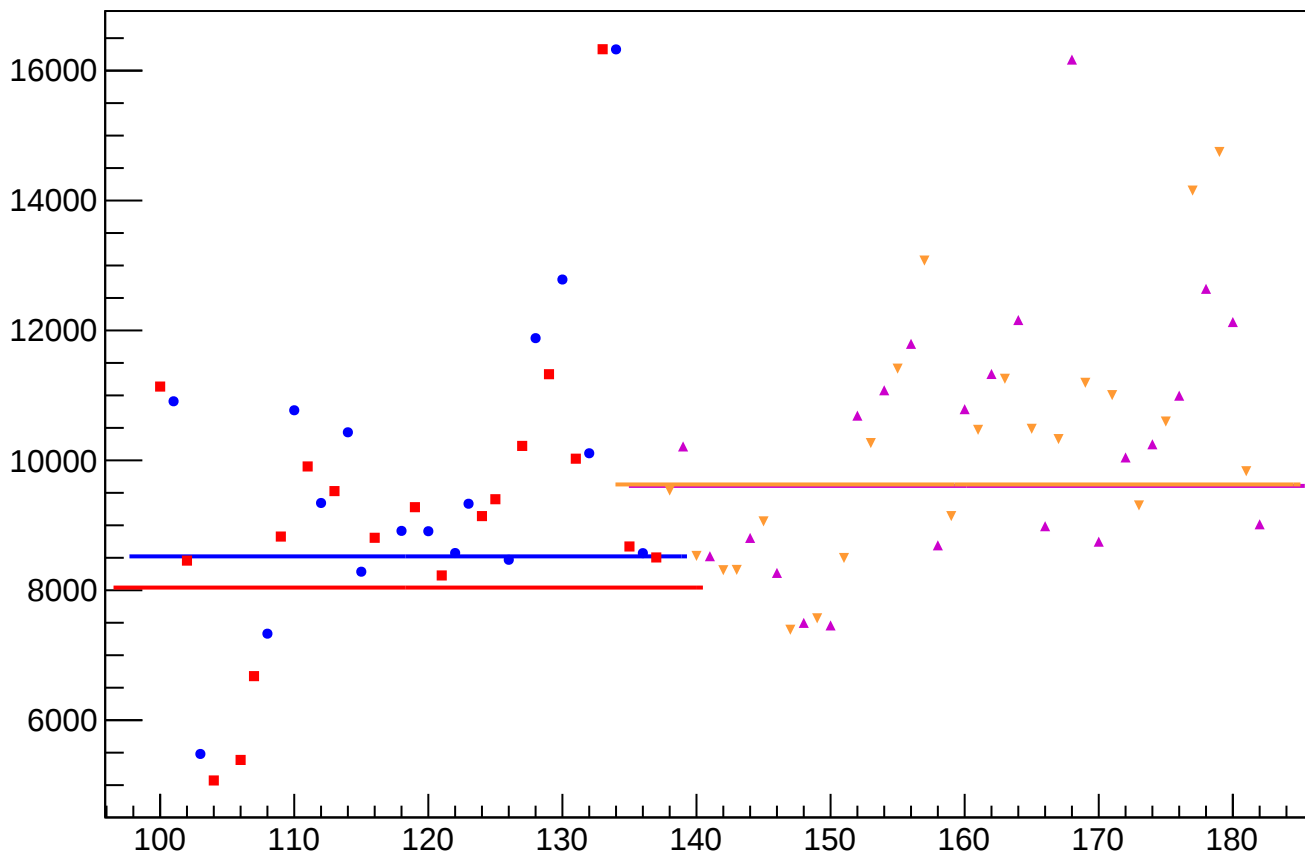
Right: 5905.330 $\pm$ 2325.465 χ^2 /NDF: 27.8/35

In: 4107.645 $\pm$ 1942.261 χ^2 /NDF:30.0/38

Out: 1665.404 $\pm$ 1889.750 χ^2 /NDF:40.3/41

All: 2853.064 $\pm$ 1354.439 χ^2 /NDF: 71.1/80

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8521.835 $\pm$ 2.417 χ^2 /NDF: 769872.2/16

Left Out: 9629.138 $\pm$ 1.663 χ^2 /NDF:1004900.3/22

Right Out: 8041.570 $\pm$ 2.244 χ^2 /NDF: 953300.0/18

Left In: 9606.764 $\pm$ 1.669 χ^2 /NDF:1080861.3/21

Left: 9617.990 $\pm$ 1.178 χ^2 /NDF: 2085851.7/44

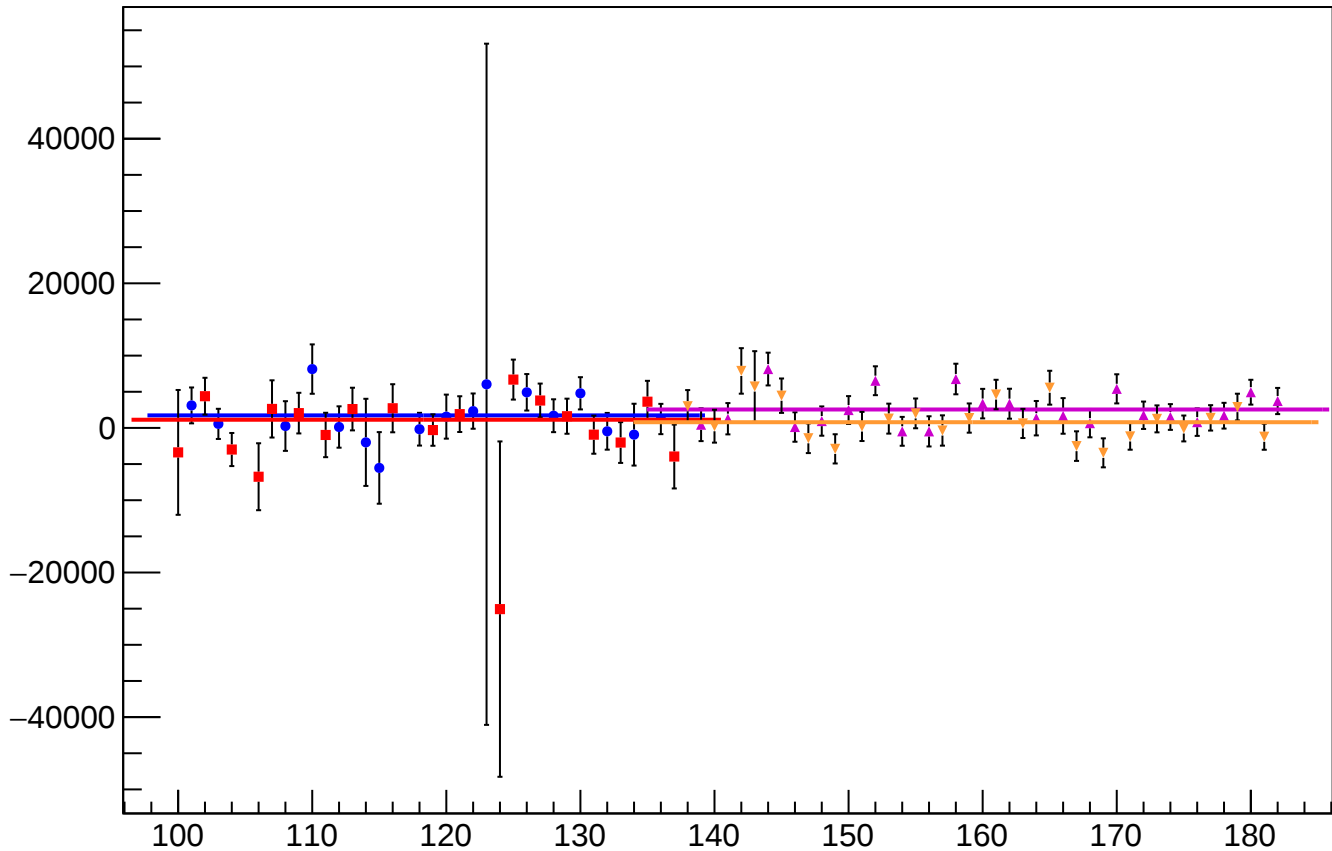
Right: 8263.910 $\pm$ 1.644 χ^2 /NDF: 1744382.1/35

In: 9256.375 $\pm$ 1.373 χ^2 /NDF:1987185.8/38

Out: 9066.097 $\pm$ 1.336 χ^2 /NDF:2281269.5/41

All: 9158.628 $\pm$ 0.958 χ^2 /NDF: 4278316.0/80

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1733.256+/-672.118 χ^2/NDF : 12.6/16

Left Out: 788.865+/-432.033 χ^2/NDF : 33.7/22

Right Out: 1131.745+/-673.096 χ^2/NDF : 20.3/18

Left In: 2548.800+/-427.936 χ^2/NDF : 29.3/21

Left: 1677.216+/-304.035 χ^2/NDF : 71.3/44

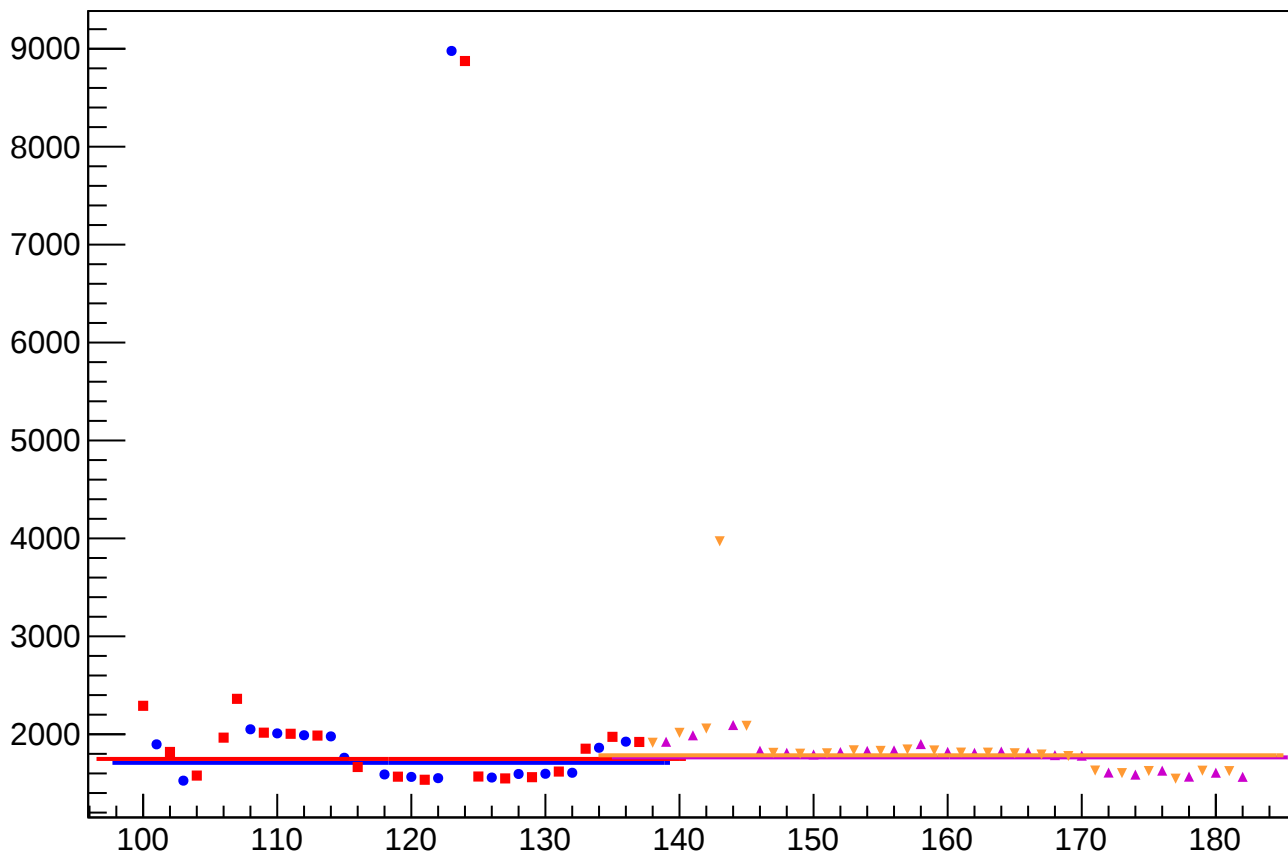
Right: 1432.938+/-475.605 χ^2/NDF : 33.4/35

In: 2313.555+/-360.979 χ^2/NDF : 42.9/38

Out: 888.909+/-363.582 χ^2/NDF : 54.2/41

All: 1606.351+/-256.166 χ^2/NDF : 104.9/80

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1708.196+/-0.475 χ^2/NDF : 195783.3/16

Left Out: 1785.260+/-0.305 χ^2/NDF : 597375.9/22

Right Out: 1748.067+/-0.474 χ^2/NDF : 396355.2/18

Left In: 1763.846+/-0.303 χ^2/NDF : 205404.6/21

Left: 1774.451+/-0.215 χ^2/NDF : 805260.7/44

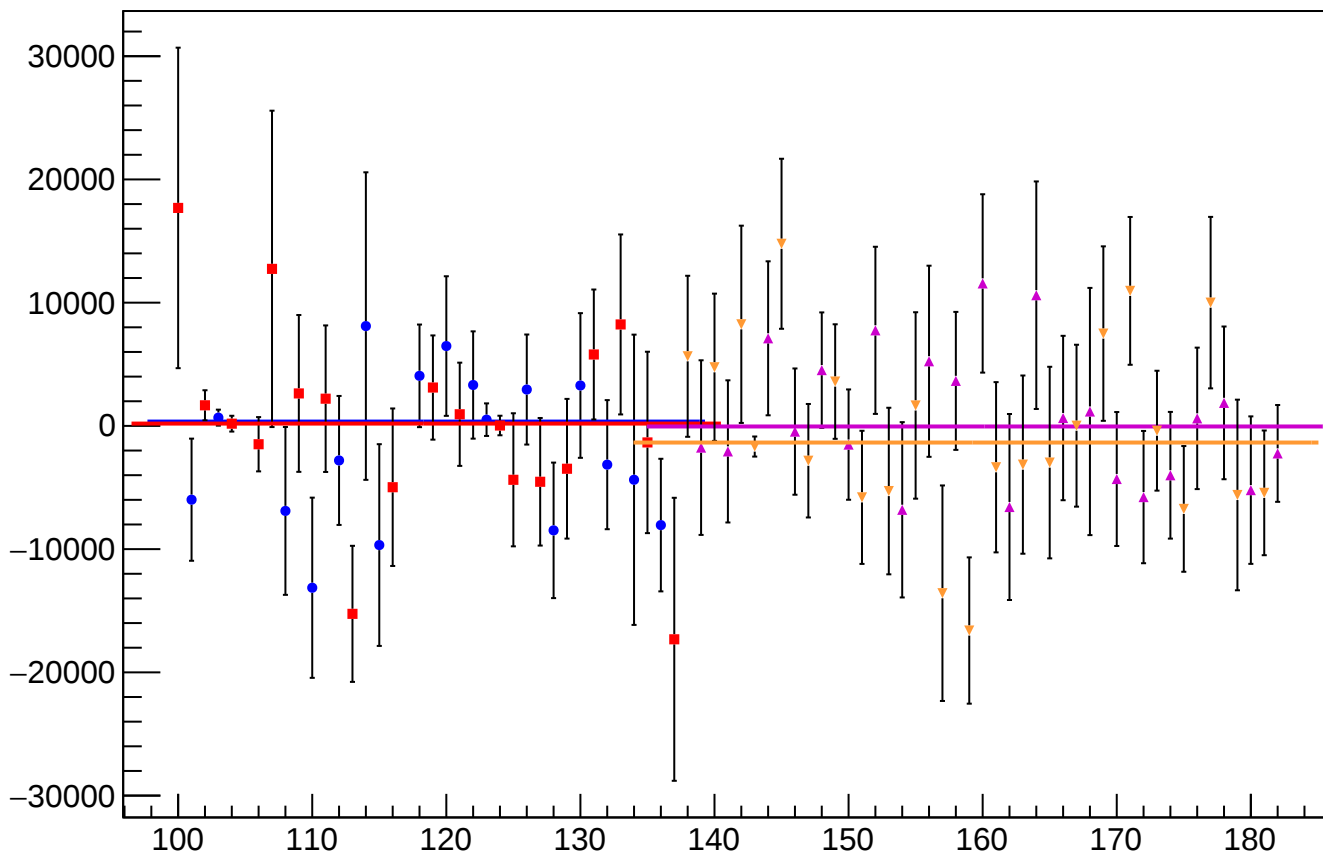
Right: 1728.192+/-0.336 χ^2/NDF : 595668.1/35

In: 1747.794+/-0.255 χ^2/NDF : 410943.9/38

Out: 1774.339+/-0.257 χ^2/NDF : 998083.5/41

All: 1760.988+/-0.181 χ^2/NDF : 1414403.3/80

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 350.603 ± 540.664 $\chi^2/\text{NDF}: 17.3/16$

Left Out: -1350.652 ± 692.054 $\chi^2/\text{NDF}: 31.0/22$

Right Out: 188.213 ± 433.673 $\chi^2/\text{NDF}: 20.8/18$

Left In: -46.836 ± 1254.338 $\chi^2/\text{NDF}: 13.9/21$

Left: -1046.384 ± 605.946 $\chi^2/\text{NDF}: 45.7/44$

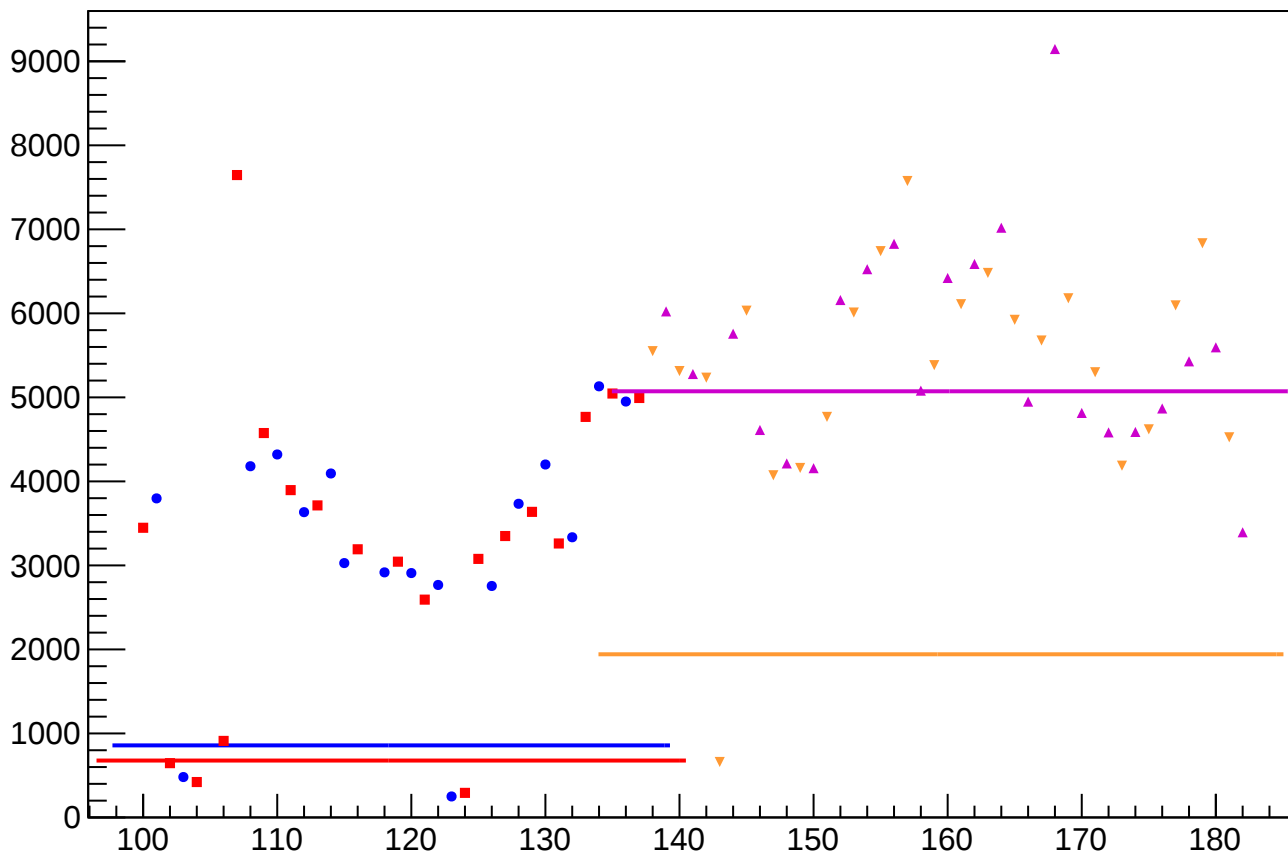
Right: 251.789 ± 338.293 $\chi^2/\text{NDF}: 38.2/35$

In: 288.332 ± 496.505 $\chi^2/\text{NDF}: 31.3/38$

Out: -245.689 ± 367.482 $\chi^2/\text{NDF}: 55.3/41$

All: -56.687 ± 295.378 $\chi^2/\text{NDF}: 87.4/80$

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 857.789 $\pm$ 0.382 χ^2 /NDF: 8126360.1/16

Left Out: 1942.178 $\pm$ 0.489 χ^2 /NDF: 18741679.2/22

Right Out: 677.369 $\pm$ 0.307 χ^2 /NDF: 8357347.2/18

Left In: 5072.392 $\pm$ 0.887 χ^2 /NDF: 1464914.1/21

Left: 2672.667 $\pm$ 0.428 χ^2 /NDF: 29755127.4/44

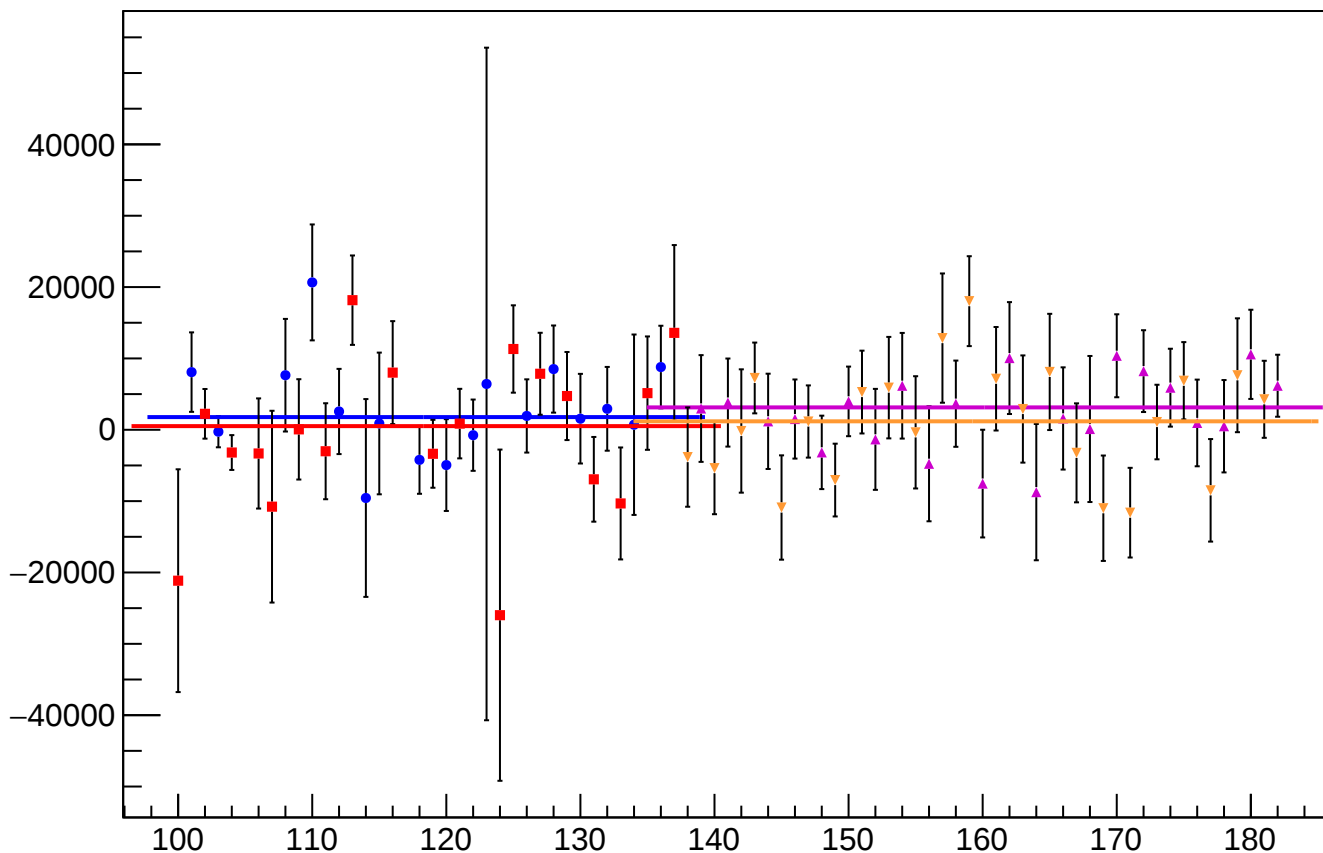
Right: 748.003 $\pm$ 0.239 χ^2 /NDF: 16619227.6/35

In: 1518.140 $\pm$ 0.351 χ^2 /NDF: 28632990.4/38

Out: 1033.997 $\pm$ 0.260 χ^2 /NDF: 31895774.0/41

All: 1205.347 $\pm$ 0.209 χ^2 /NDF: 61757372.5/8

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1778.180+/-1313.267 χ^2/NDF : 14.5/16

Left Out: 1185.989+/-1343.226 χ^2/NDF : 30.8/22

Right Out: 512.708+/-1288.422 χ^2/NDF : 26.9/18

Left In: 3137.411+/-1340.106 χ^2/NDF : 12.5/21

Left: 2163.969+/-948.699 χ^2/NDF : 44.4/44

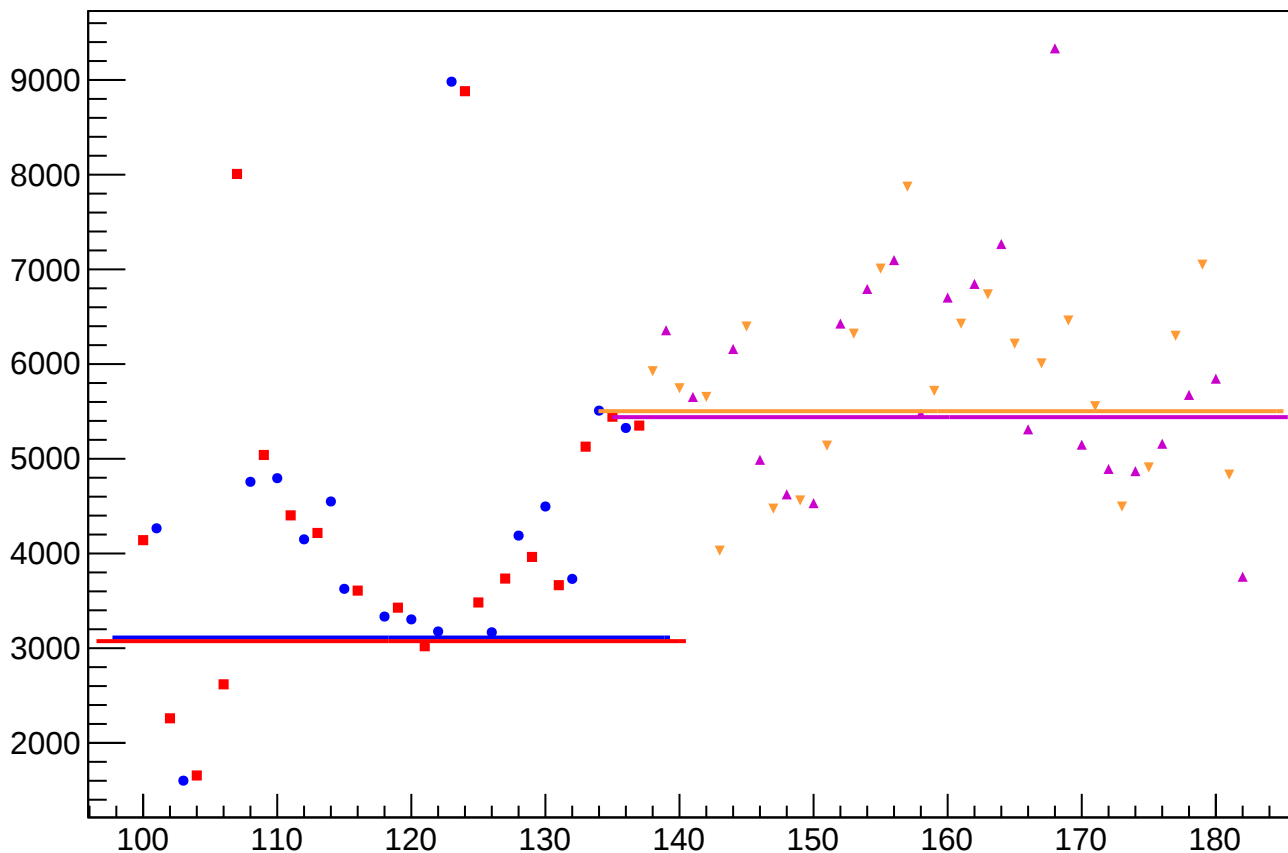
Right: 1133.360+/-919.710 χ^2/NDF : 41.8/35

In: 2444.048+/-937.965 χ^2/NDF : 27.5/38

Out: 835.334+/-929.823 χ^2/NDF : 57.8/41

All: 1632.679+/-660.344 χ^2/NDF : 86.8/80

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3112.592 $\pm$ 0.929 χ^2 /NDF: 1882559.8/16

Left Out: 5502.750 $\pm$ 0.950 χ^2 /NDF: 989804.4/22

Right Out: 3074.355 $\pm$ 0.898 χ^2 /NDF: 2007121.5/18

Left In: 5439.752 $\pm$ 0.948 χ^2 /NDF: 1224006.7/21

Left: 5471.178 $\pm$ 0.671 χ^2 /NDF: 2216015.9/44

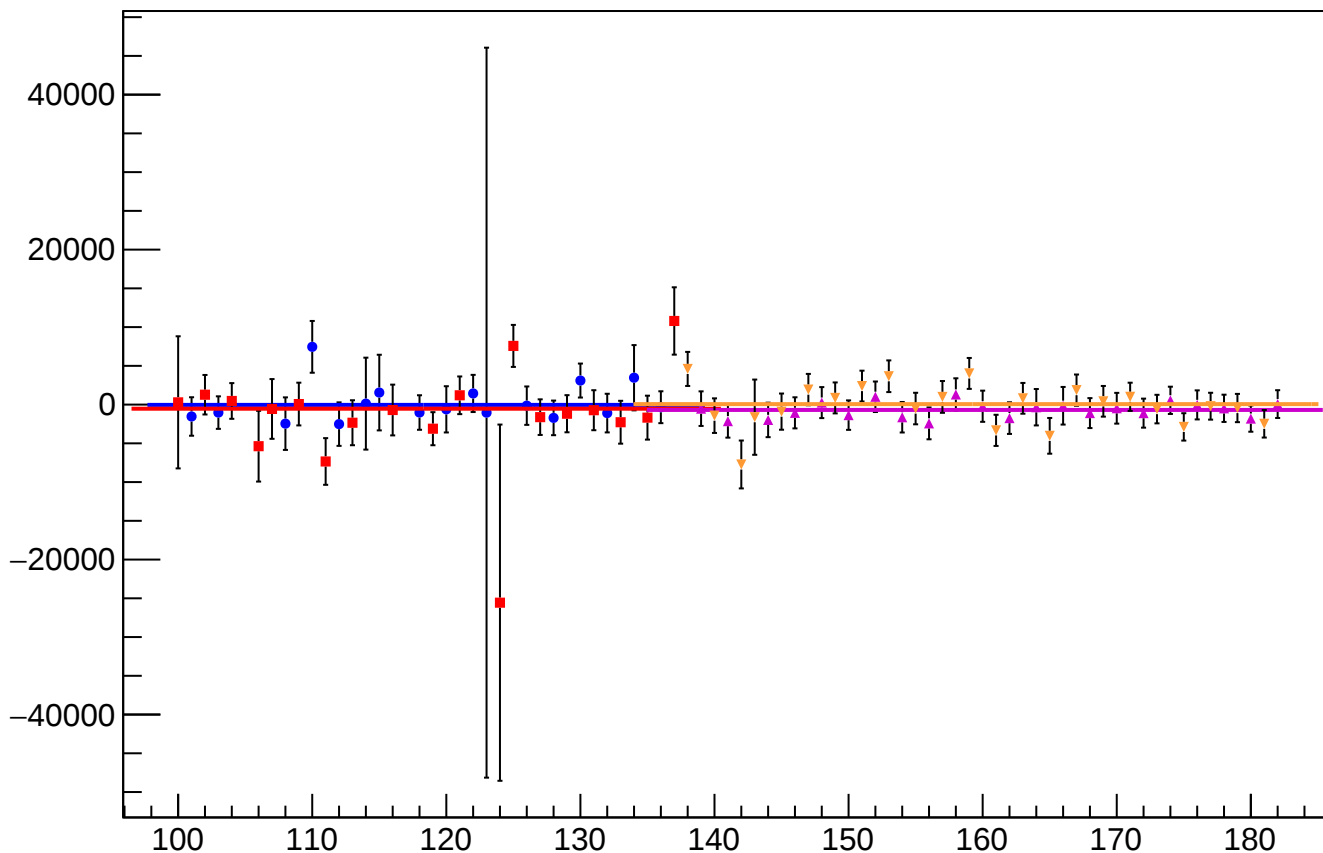
Right: 3092.829 $\pm$ 0.645 χ^2 /NDF: 3890557.7/35

In: 4252.630 $\pm$ 0.663 χ^2 /NDF: 6183184.8/38

Out: 4220.280 $\pm$ 0.652 χ^2 /NDF: 6449144.5/41

All: 4236.190 $\pm$ 0.465 χ^2 /NDF: 12633538.3/80

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -38.244 ± 662.838 χ^2/NDF : 11.1/16

Left Out: 59.171 ± 425.828 χ^2/NDF : 33.4/22

Right Out: -530.114 ± 663.235 χ^2/NDF : 27.1/18

Left In: -688.809 ± 421.999 χ^2/NDF : 5.5/21

Left: -318.197 ± 299.743 χ^2/NDF : 40.4/44

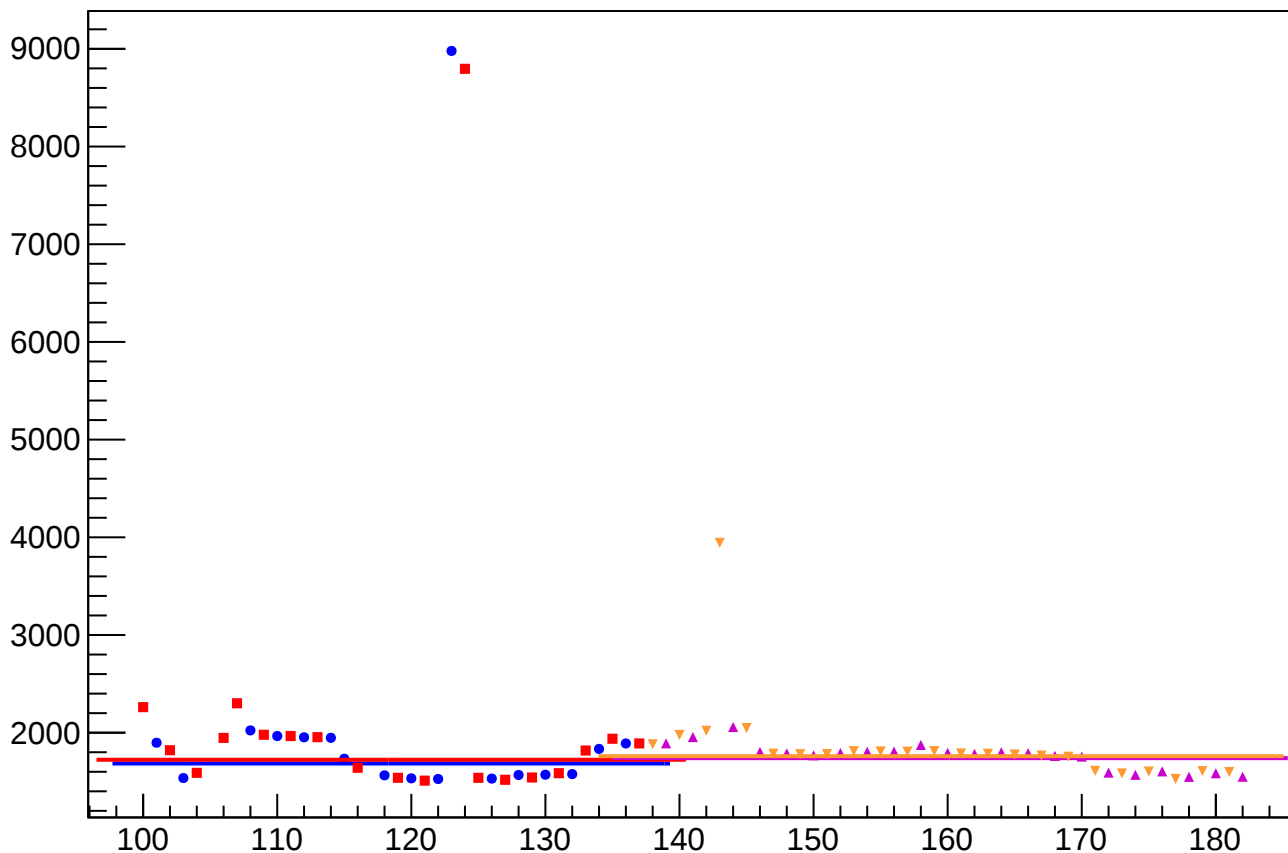
Right: -284.031 ± 468.837 χ^2/NDF : 38.5/35

In: -501.171 ± 355.977 χ^2/NDF : 17.3/38

Out: -112.840 ± 358.329 χ^2/NDF : 61.0/41

All: -308.284 ± 252.541 χ^2/NDF : 79.0/80

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1684.672+/-0.469 χ^2/NDF : 194019.0/16

Left Out: 1759.668+/-0.301 χ^2/NDF : 595478.3/22

Right Out: 1723.015+/-0.467 χ^2/NDF : 392549.0/18

Left In: 1739.507+/-0.298 χ^2/NDF : 198160.6/21

Left: 1749.496+/-0.212 χ^2/NDF : 795900.8/44

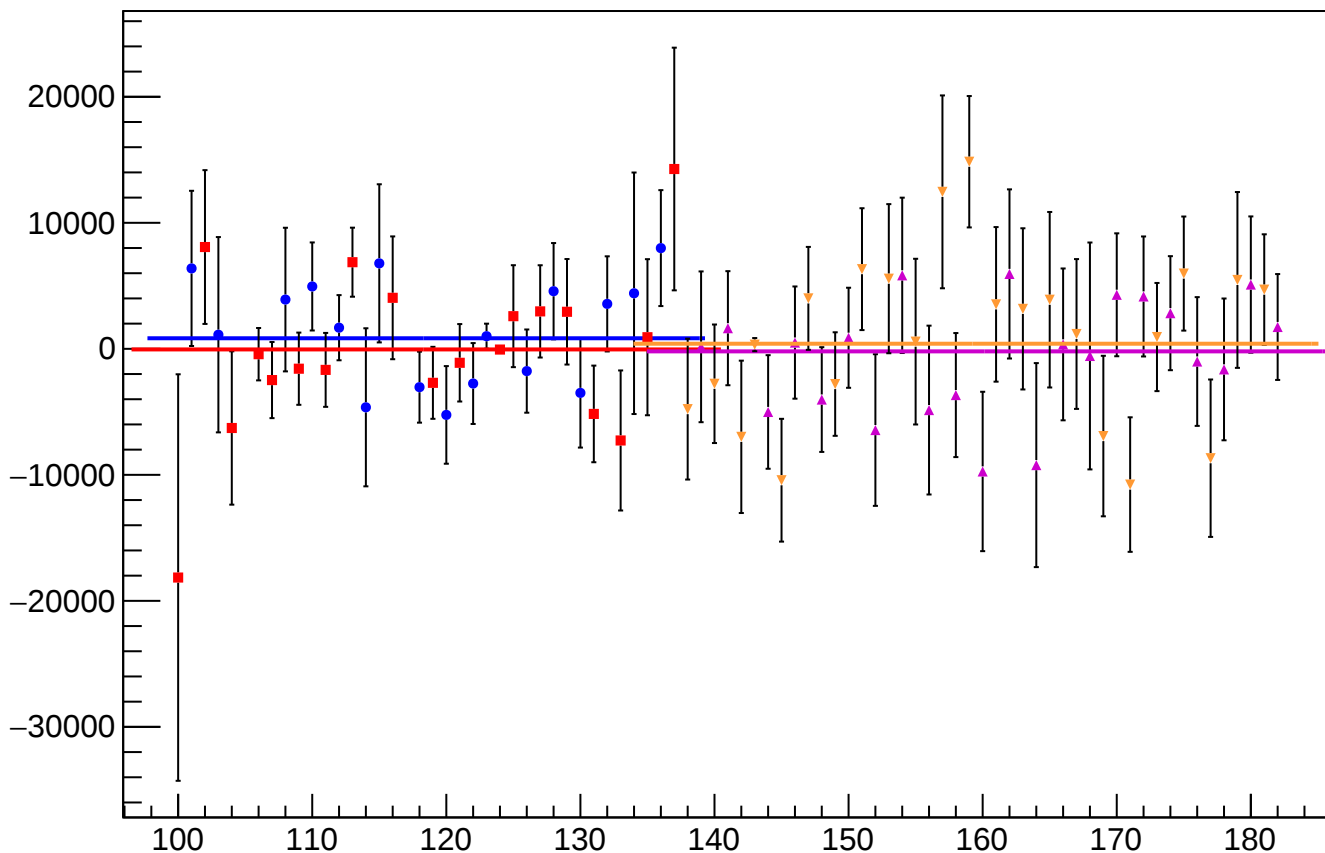
Right: 1703.916+/-0.331 χ^2/NDF : 589926.9/35

In: 1723.691+/-0.252 χ^2/NDF : 401919.3/38

Out: 1748.903+/-0.253 χ^2/NDF : 992379.3/41

All: 1736.230+/-0.178 χ^2/NDF : 1399288.0/80

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: 838.236+/-706.837 χ^2/NDF : 15.6/16

Left Out: 405.133+/-474.667 χ^2/NDF : 33.1/22

Right Out: -47.538+/-357.307 χ^2/NDF : 20.8/18

Left In: -201.847+/-1108.809 χ^2/NDF : 13.0/21

Left: 311.126+/-436.364 χ^2/NDF : 46.4/44

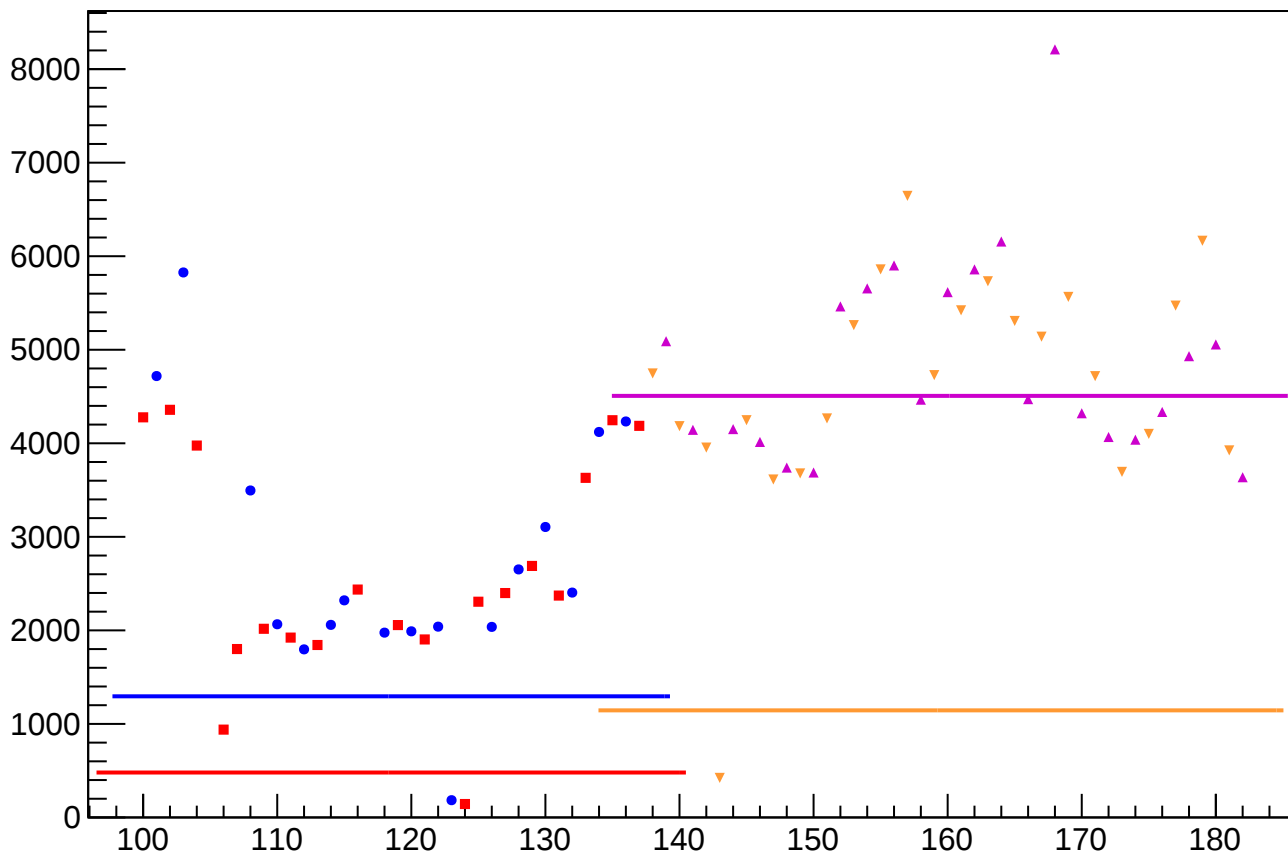
Right: 132.739+/-318.880 χ^2/NDF : 37.6/35

In: 537.703+/-596.031 χ^2/NDF : 29.2/38

Out: 116.189+/-285.468 χ^2/NDF : 54.5/41

All: 194.839+/-257.462 χ^2/NDF : 84.1/80

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 1295.065+/-0.500 χ^2/NDF : 6509427.9/16

Left Out: 1144.887+/-0.336 χ^2/NDF : 22858924.7/22

Right Out: 480.403+/-0.253 χ^2/NDF : 10116692.6/18

Left In: 4506.926+/-0.784 χ^2/NDF : 1154680.6/21

Left: 1665.586+/-0.309 χ^2/NDF : 39553289.9/44

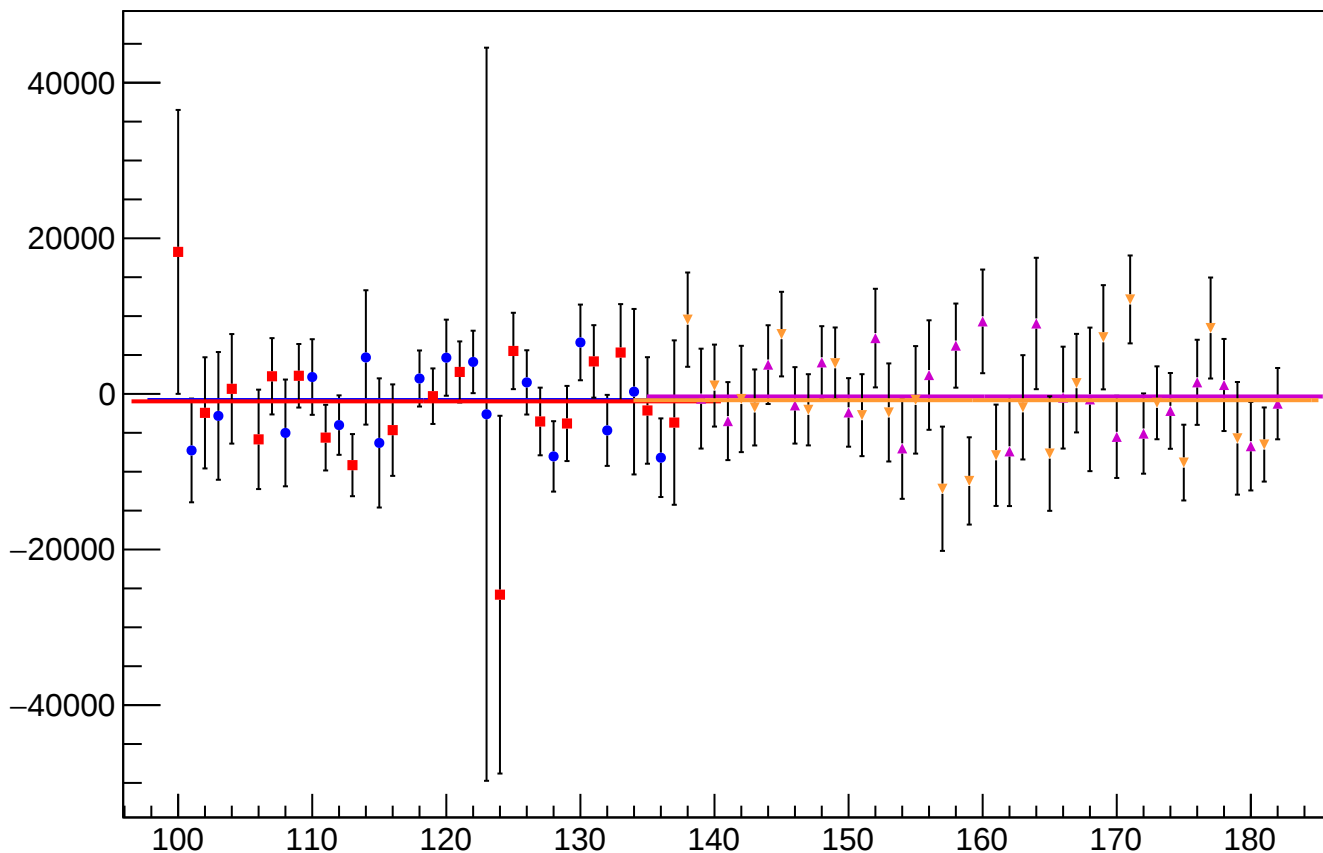
Right: 646.207+/-0.225 χ^2/NDF : 18742133.7/35

In: 2223.135+/-0.421 χ^2/NDF : 19596553.3/38

Out: 720.741+/-0.202 χ^2/NDF : 35477415.7/41

All: 1001.071+/-0.182 χ^2/NDF : 65410383.3/80

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -786.677+/-1265.533 χ^2/NDF : 14.7/16

Left Out: -808.456+/-1193.057 χ^2/NDF : 27.9/22

Right Out: -957.432+/-1194.177 χ^2/NDF : 15.6/18

Left In: -328.468+/-1201.082 χ^2/NDF : 14.1/21

Left: -570.071+/-846.441 χ^2/NDF : 42.0/44

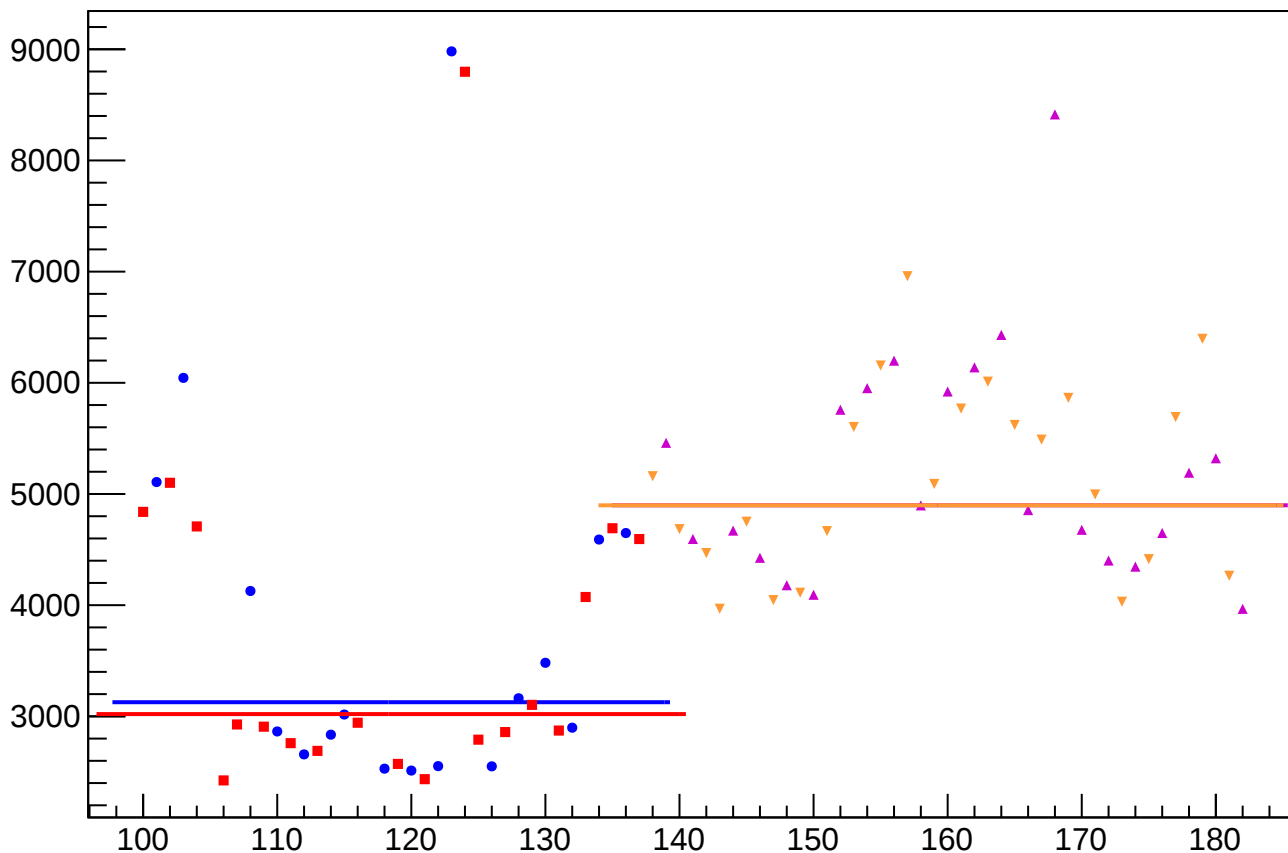
Right: -877.004+/-868.541 χ^2/NDF : 30.3/35

In: -545.608+/-871.187 χ^2/NDF : 28.8/38

Out: -882.874+/-844.014 χ^2/NDF : 43.5/41

All: -719.583+/-606.187 χ^2/NDF : 72.4/80

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3127.109 $\pm$ 0.895 χ^2/NDF : 942783.2/16

Left Out: 4898.142 $\pm$ 0.844 χ^2/NDF : 856277.8/22

Right Out: 3020.357 $\pm$ 0.834 χ^2/NDF : 791453.3/18

Left In: 4898.395 $\pm$ 0.849 χ^2/NDF : 933774.8/21

Left: 4898.268 $\pm$ 0.599 χ^2/NDF : 1790052.6/44

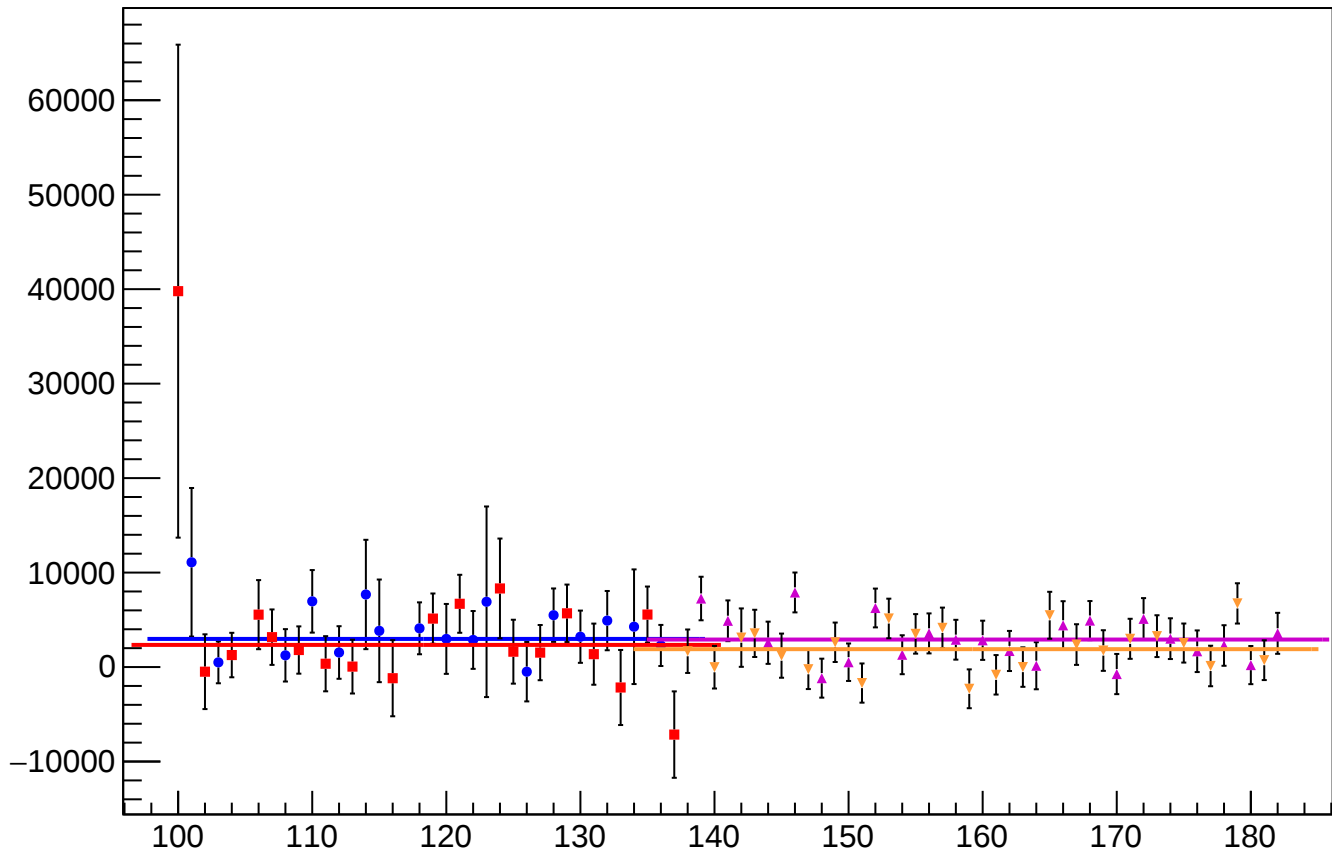
Right: 3069.969 $\pm$ 0.610 χ^2/NDF : 1741853.8/35

In: 4058.999 $\pm$ 0.616 χ^2/NDF : 3937854.9/38

Out: 3948.305 $\pm$ 0.593 χ^2/NDF : 4153856.5/41

All: 4001.549 $\pm$ 0.427 χ^2/NDF : 8108469.3/80

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2978.237 $\pm$ 777.589 χ^2 /NDF: 8.0/16

Left Out: 1893.973 $\pm$ 456.029 χ^2 /NDF: 25.4/22

Right Out: 2344.712 $\pm$ 742.207 χ^2 /NDF: 18.1/18

Left In: 2911.985 $\pm$ 458.091 χ^2 /NDF: 27.8/21

Left: 2400.682 $\pm$ 323.188 χ^2 /NDF: 55.7/44

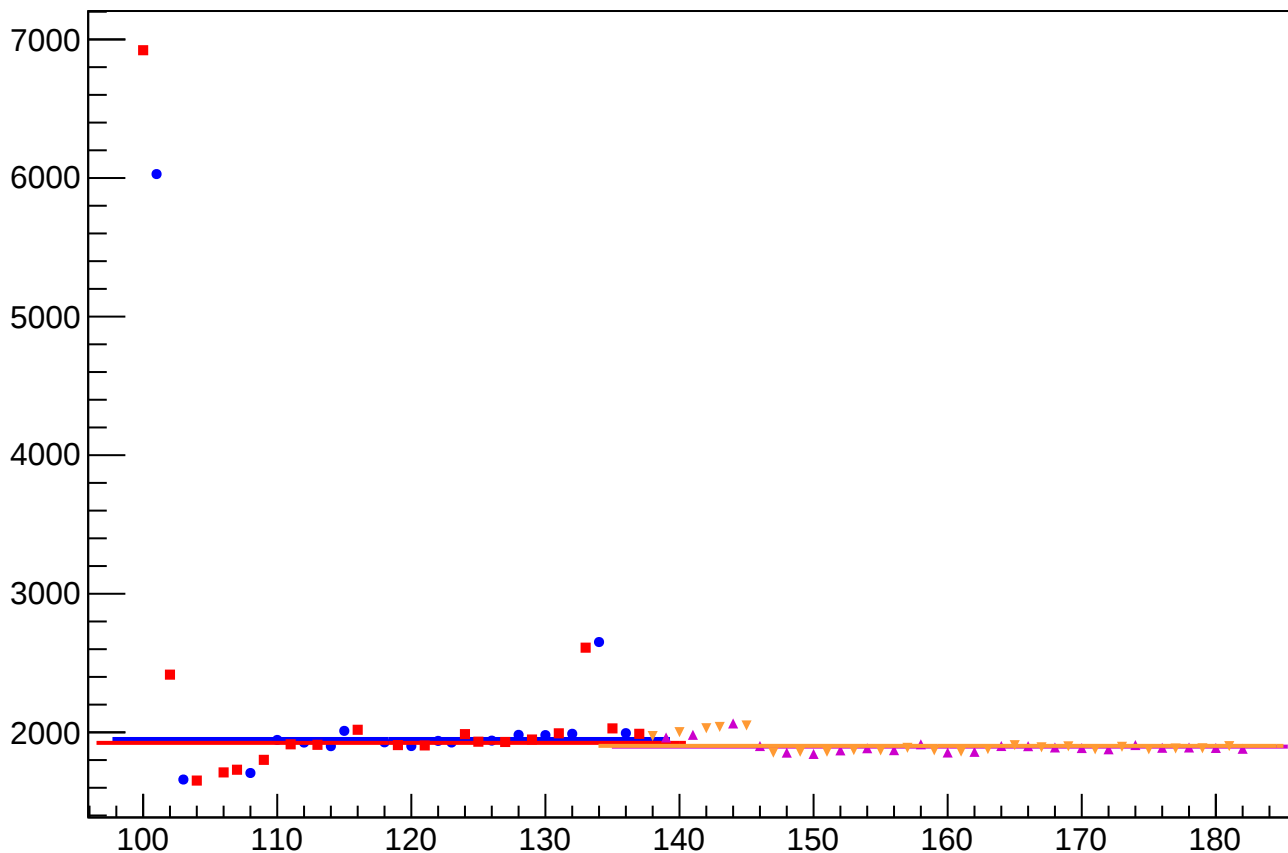
Right: 2646.733 $\pm$ 536.892 χ^2 /NDF: 26.5/35

In: 2929.054 $\pm$ 394.692 χ^2 /NDF: 35.8/38

Out: 2017.500 $\pm$ 388.547 χ^2 /NDF: 43.8/41

All: 2466.126 $\pm$ 276.891 χ^2 /NDF: 82.3/80

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1952.104+/-0.550 χ^2/NDF : 617388.5/16

Left Out: 1902.467+/-0.322 χ^2/NDF : 29314.4/22

Right Out: 1924.009+/-0.524 χ^2/NDF : 217499.2/18

Left In: 1896.971+/-0.324 χ^2/NDF : 21034.5/21

Left: 1899.731+/-0.229 χ^2/NDF : 50493.5/44

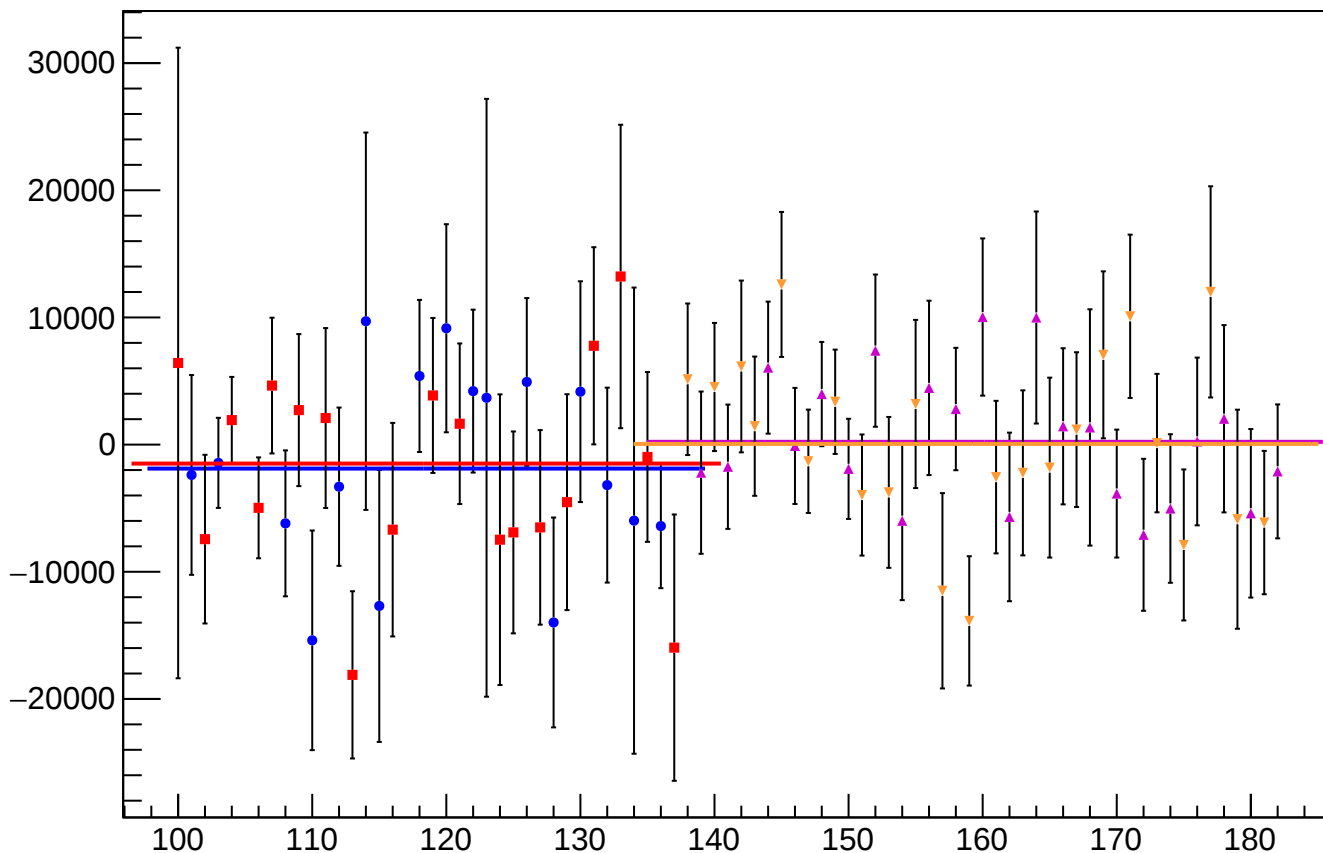
Right: 1937.370+/-0.379 χ^2/NDF : 836257.0/35

In: 1911.176+/-0.279 χ^2/NDF : 645887.0/38

Out: 1908.391+/-0.275 χ^2/NDF : 248040.9/41

All: 1909.760+/-0.196 χ^2/NDF : 893978.5/80

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: -1885.502 $\pm$ 1665.011 χ^2 /NDF: 13.6/16

Left Out: 54.915 $\pm$ 1201.970 χ^2 /NDF: 28.6/22

Right Out: -1490.988 $\pm$ 1479.647 χ^2 /NDF: 18.7/18

Left In: 218.907 $\pm$ 1202.052 χ^2 /NDF: 14.5/21

Left: 136.905 $\pm$ 849.950 χ^2 /NDF: 43.1/44

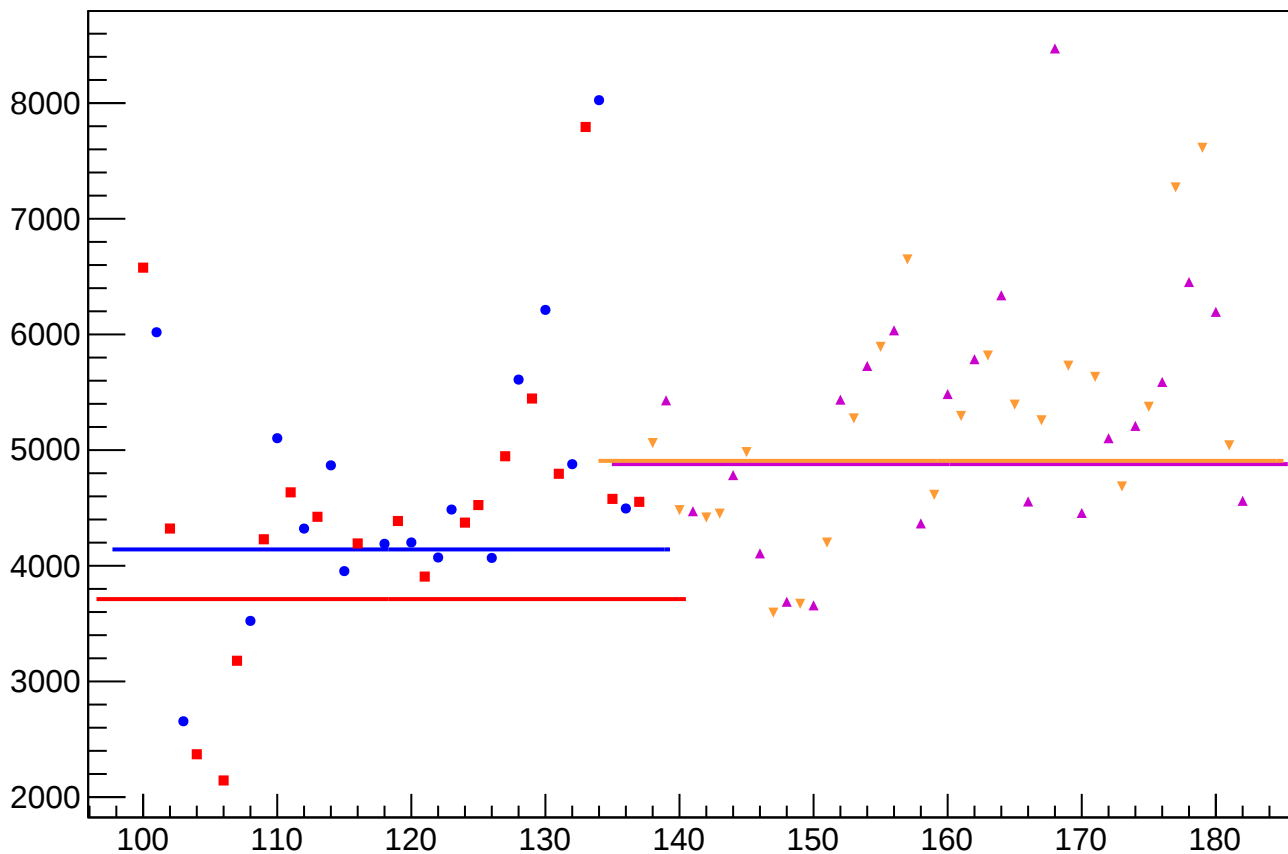
Right: -1665.070 $\pm$ 1106.022 χ^2 /NDF: 32.4/35

In: -502.122 $\pm$ 974.605 χ^2 /NDF: 29.1/38

Out: -559.659 $\pm$ 932.941 χ^2 /NDF: 48.0/41

All: -532.147 $\pm$ 673.937 χ^2 /NDF: 77.1/80

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 4141.263+/-1.177 χ^2/NDF : 818140.6/16

Left Out: 4907.072+/-0.850 χ^2/NDF : 1133467.6/22

Right Out: 3711.958+/-1.046 χ^2/NDF : 1276723.1/18

Left In: 4878.863+/-0.850 χ^2/NDF : 1228144.4/21

Left: 4892.969+/-0.601 χ^2/NDF : 2362162.7/44

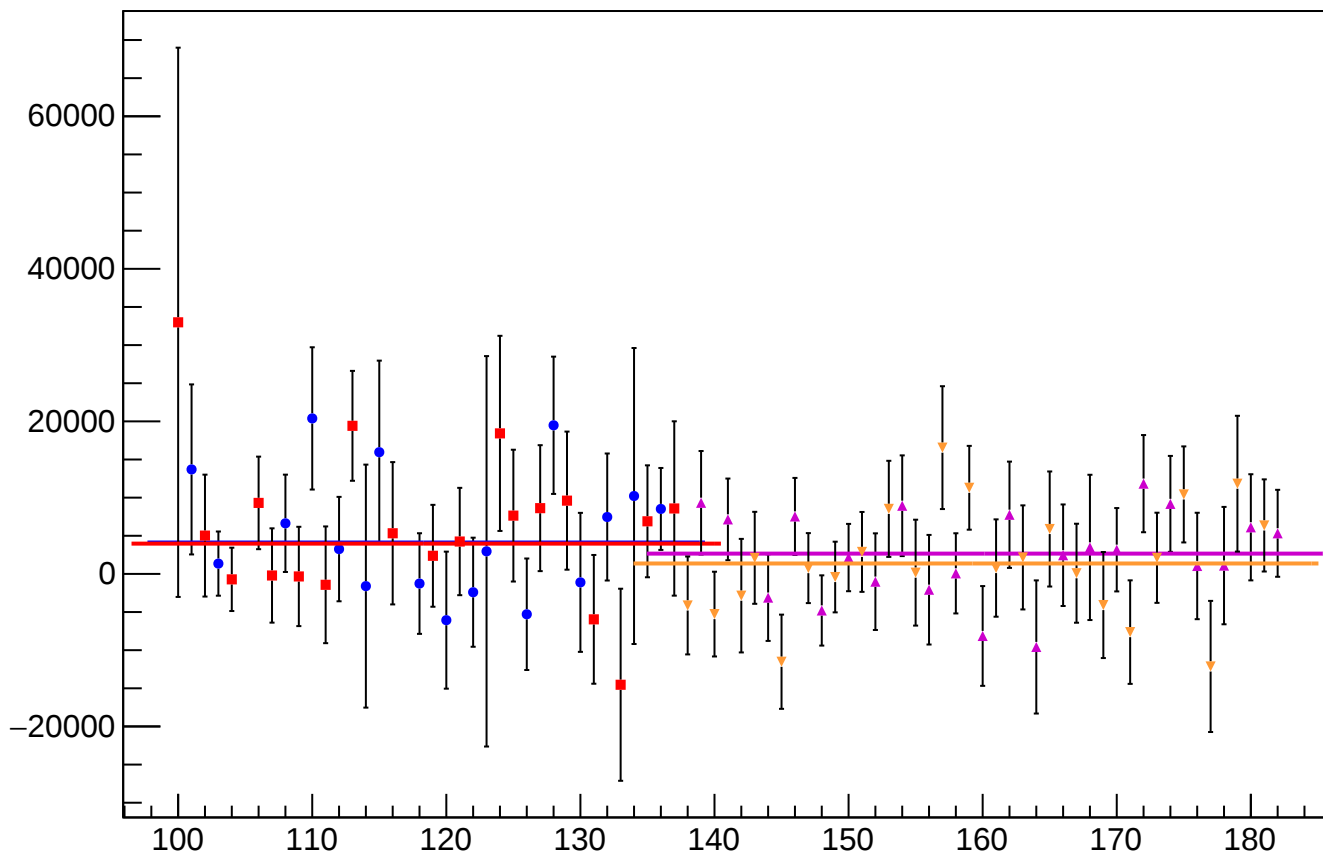
Right: 3901.392+/-0.782 χ^2/NDF : 2169155.3/35

In: 4626.141+/-0.689 χ^2/NDF : 2304302.1/38

Out: 4431.954+/-0.660 χ^2/NDF : 3196247.2/41

All: 4524.808+/-0.477 χ^2/NDF : 5541981.7/80

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4116.431+/-1876.246 χ^2/NDF : 14.1/16

Left Out: 1366.752+/-1301.216 χ^2/NDF : 24.6/22

Right Out: 3971.073+/-1728.385 χ^2/NDF : 14.8/18

Left In: 2660.721+/-1300.056 χ^2/NDF : 17.1/21

Left: 2014.314+/-919.688 χ^2/NDF : 42.3/44

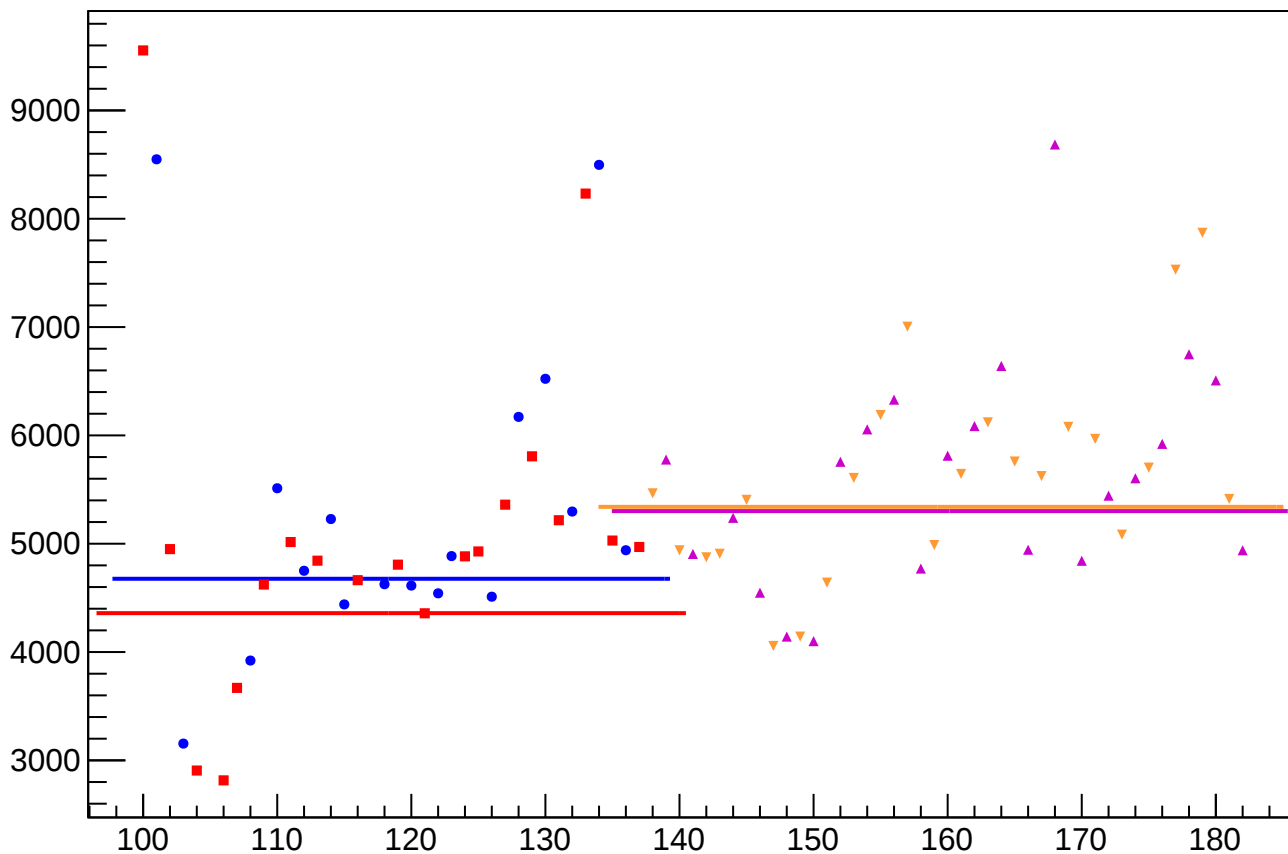
Right: 4037.799+/-1271.216 χ^2/NDF : 28.9/35

In: 3132.919+/-1068.598 χ^2/NDF : 31.6/38

Out: 2308.866+/-1039.549 χ^2/NDF : 40.9/41

All: 2709.539+/-745.130 χ^2/NDF : 72.8/80

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4676.405 $\pm$ 1.327 χ^2/NDF : 783034.3/16

Left Out: 5340.353 $\pm$ 0.920 χ^2/NDF : 864848.8/22

Right Out: 4359.077 $\pm$ 1.215 χ^2/NDF : 833565.3/18

Left In: 5301.174 $\pm$ 0.919 χ^2/NDF : 955484.7/21

Left: 5320.746 $\pm$ 0.650 χ^2/NDF : 1821240.9/44

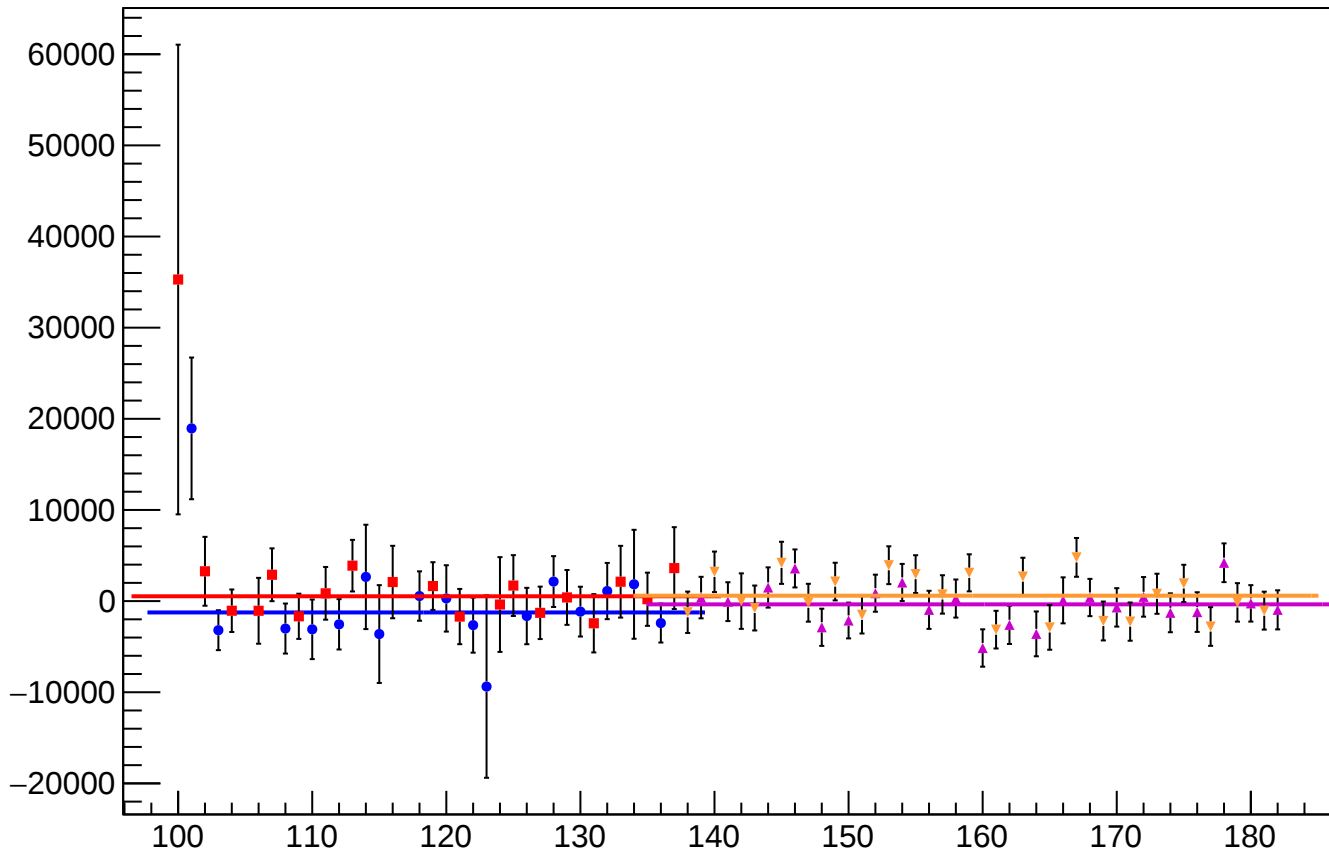
Right: 4503.830 $\pm$ 0.896 χ^2/NDF : 1647712.1/35

In: 5098.513 $\pm$ 0.756 χ^2/NDF : 1888347.5/38

Out: 4982.738 $\pm$ 0.734 χ^2/NDF : 2112926.1/41

All: 5038.909 $\pm$ 0.526 χ^2/NDF : 4013360.0/80

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1245.595 $\pm$ 767.454 χ^2 /NDF: 13.3/16

Left Out: 592.932 $\pm$ 450.961 χ^2 /NDF: 29.4/22

Right Out: 528.673 $\pm$ 732.449 χ^2 /NDF: 8.8/18

Left In: -356.834 $\pm$ 453.096 χ^2 /NDF: 22.4/21

Left: 120.292 $\pm$ 319.630 χ^2 /NDF: 54.0/44

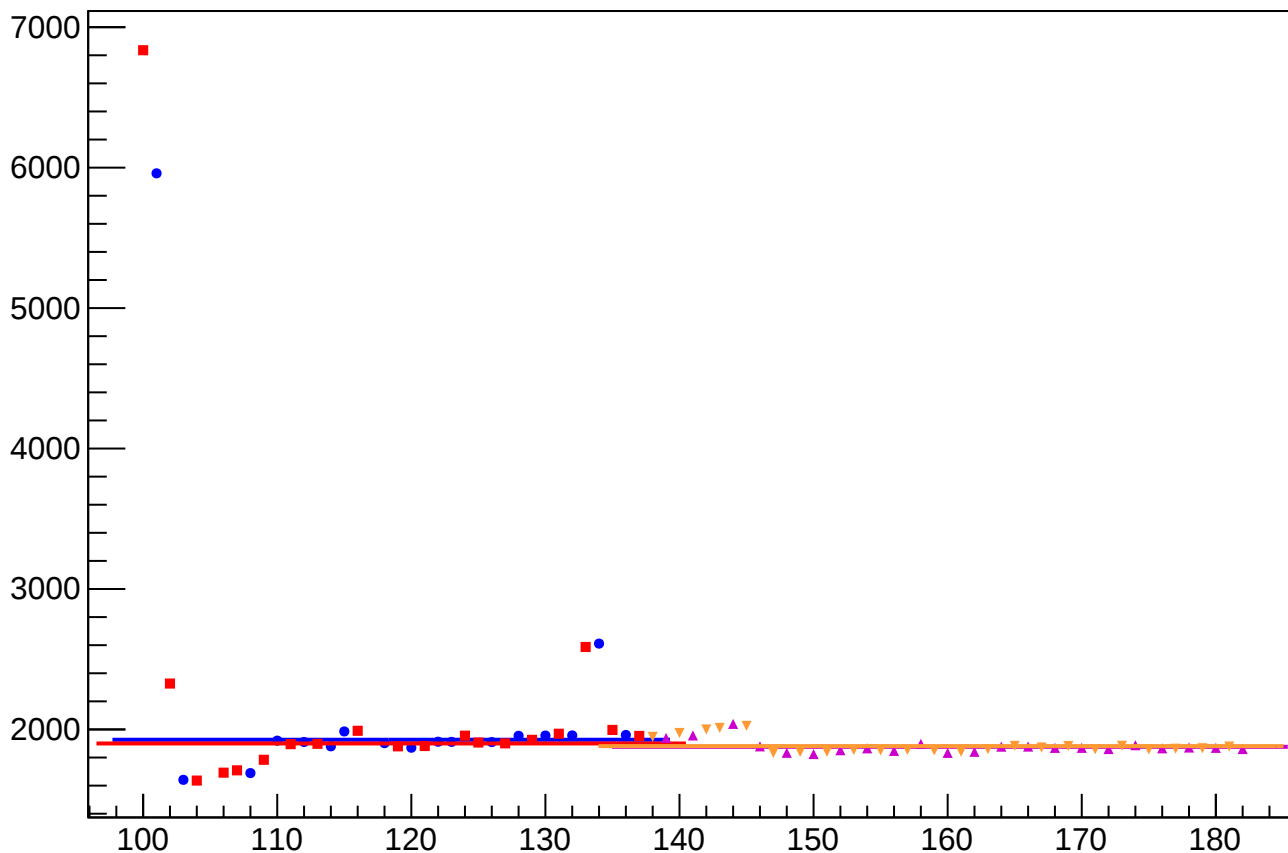
Right: -317.076 $\pm$ 529.863 χ^2 /NDF: 24.9/35

In: -586.550 $\pm$ 390.171 χ^2 /NDF: 36.6/38

Out: 575.269 $\pm$ 384.013 χ^2 /NDF: 38.2/41

All: 3.601 $\pm$ 273.689 χ^2 /NDF: 79.4/80

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1926.691+/-0.543 χ^2/NDF : 615898.2/16

Left Out: 1881.390+/-0.319 χ^2/NDF : 27568.3/22

Right Out: 1900.134+/-0.517 χ^2/NDF : 210983.9/18

Left In: 1876.293+/-0.320 χ^2/NDF : 20403.0/21

Left: 1878.853+/-0.226 χ^2/NDF : 48098.5/44

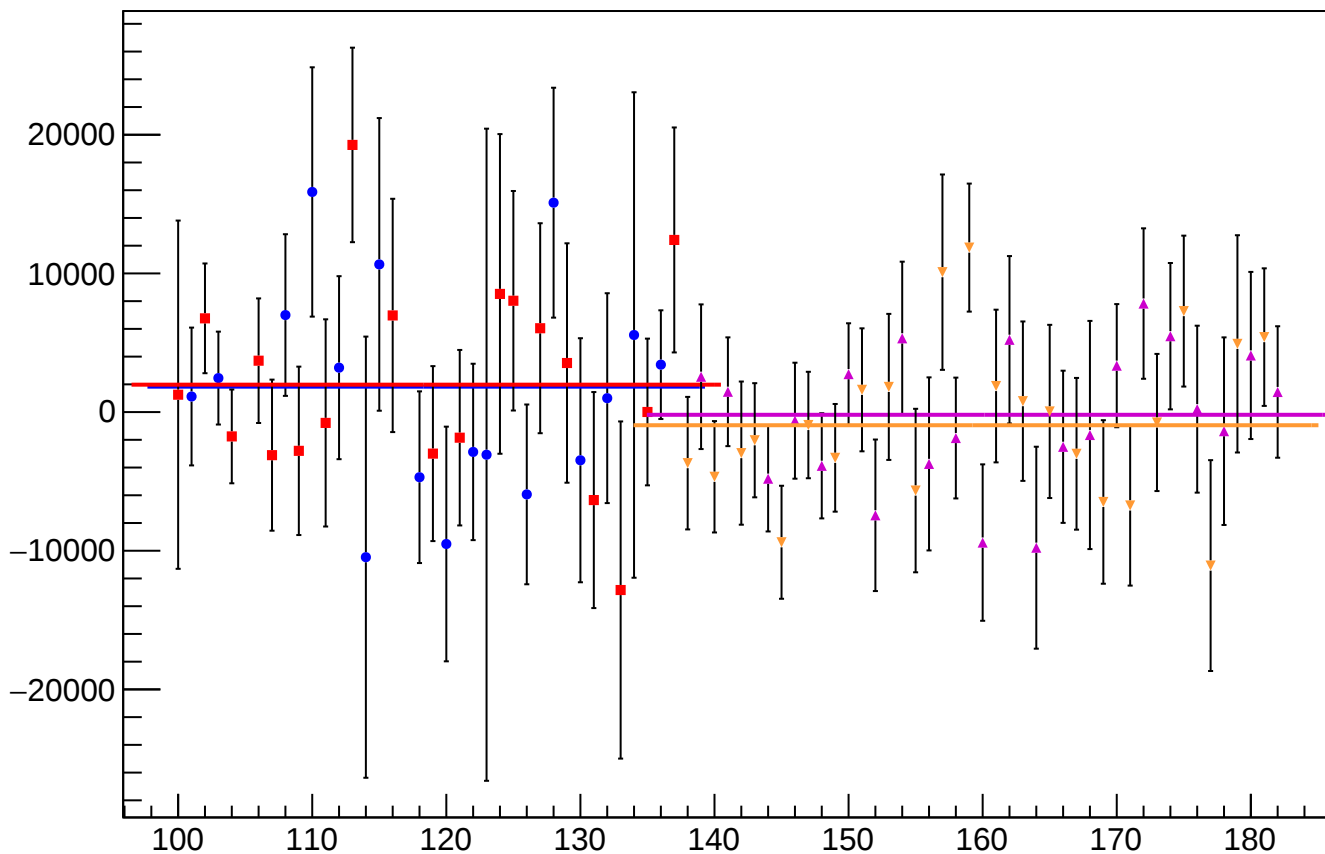
Right: 1912.763+/-0.374 χ^2/NDF : 828138.1/35

In: 1889.319+/-0.276 χ^2/NDF : 642697.0/38

Out: 1886.559+/-0.271 χ^2/NDF : 239505.1/41

All: 1887.916+/-0.193 χ^2/NDF : 882252.9/80

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 1834.690+/-1559.964 χ^2/NDF : 12.7/16

Left Out: -948.800+/-1048.671 χ^2/NDF : 26.1/22

Right Out: 1977.025+/-1415.600 χ^2/NDF : 17.5/18

Left In: -196.191+/-1063.504 χ^2/NDF : 16.8/21

Left: -577.780+/-746.711 χ^2/NDF : 43.2/44

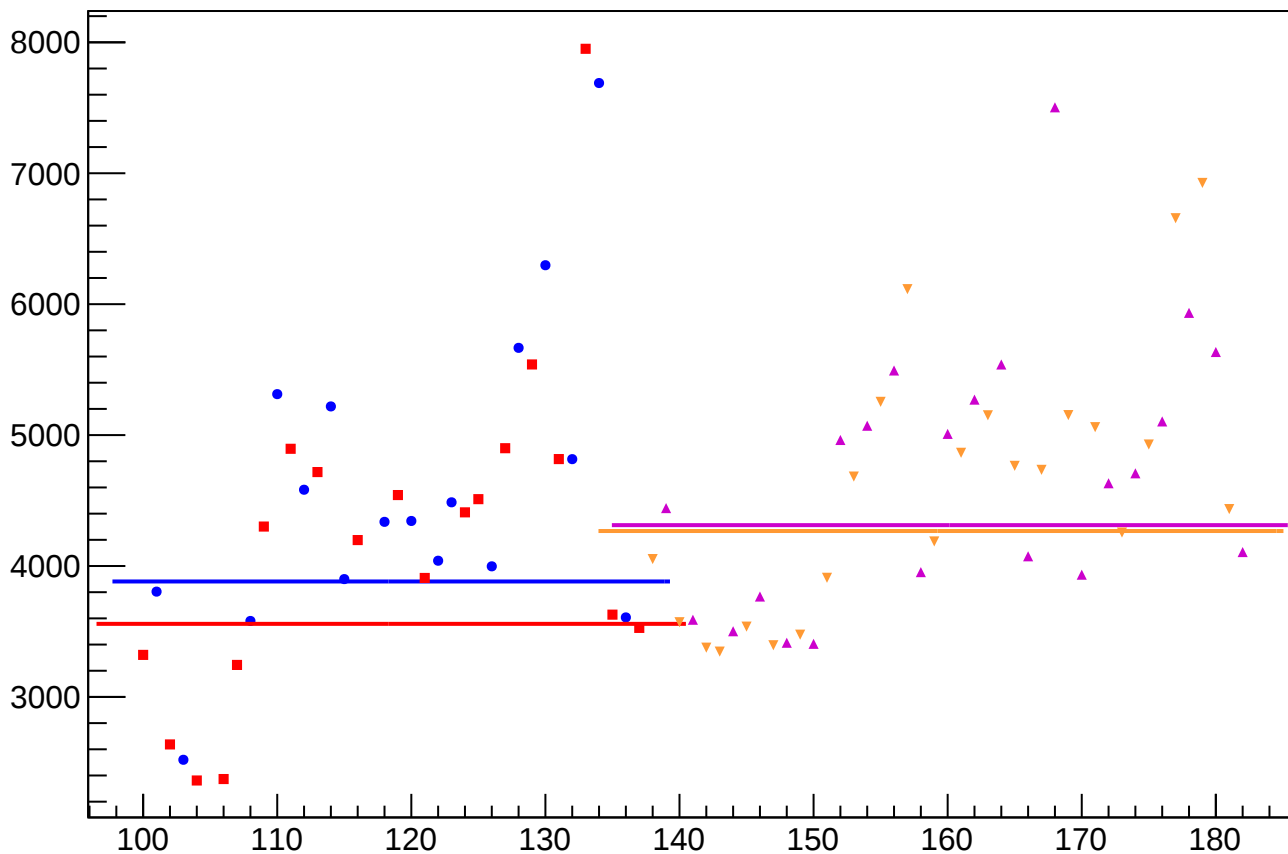
Right: 1912.747+/-1048.312 χ^2/NDF : 30.2/35

In: 448.216+/-878.724 χ^2/NDF : 30.6/38

Out: 87.908+/-842.645 χ^2/NDF : 46.4/41

All: 260.513+/-608.195 χ^2/NDF : 77.1/80

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 3881.913 $\pm$ 1.103 χ^2/NDF : 821979.1/16

Left Out: 4267.260 $\pm$ 0.742 χ^2/NDF : 1334655.4/22

Right Out: 3558.184 $\pm$ 1.001 χ^2/NDF : 1242011.6/18

Left In: 4312.161 $\pm$ 0.752 χ^2/NDF : 1304195.4/21

Left: 4289.395 $\pm$ 0.528 χ^2/NDF : 2640658.3/44

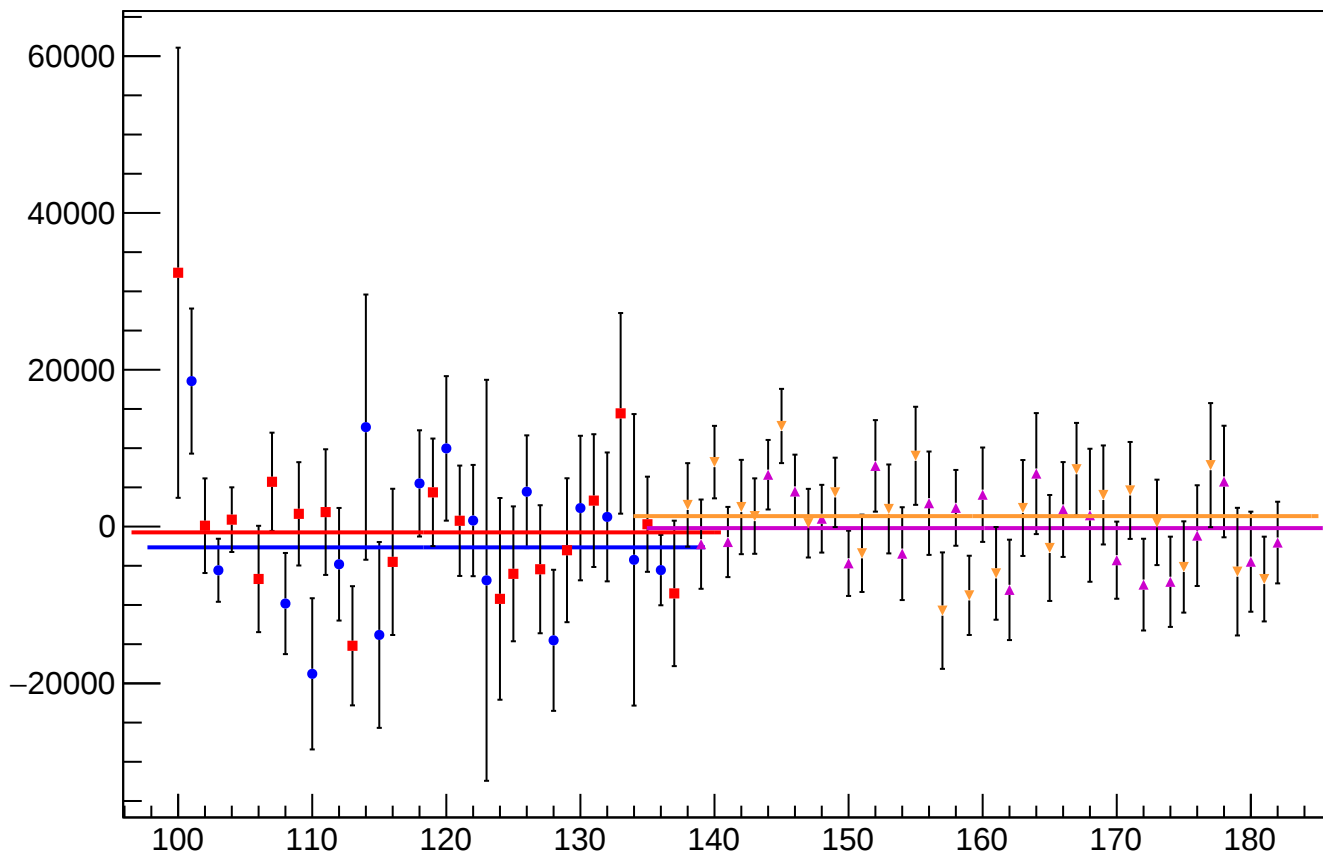
Right: 3704.379 $\pm$ 0.741 χ^2/NDF : 2111225.8/35

In: 4175.641 $\pm$ 0.621 χ^2/NDF : 2230038.3/38

Out: 4016.013 $\pm$ 0.596 χ^2/NDF : 2900667.7/41

All: 4092.483 $\pm$ 0.430 χ^2/NDF : 5165088.8/80

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2650.826 $\pm$ 1813.388 χ^2 /NDF: 18.9/16

Left Out: 1333.033 $\pm$ 1161.447 χ^2 /NDF: 26.1/22

Right Out: -739.638 $\pm$ 1693.226 χ^2 /NDF: 11.5/18

Left In: -196.387 $\pm$ 1171.961 χ^2 /NDF: 15.5/21

Left: 575.214 $\pm$ 824.959 χ^2 /NDF: 42.5/44

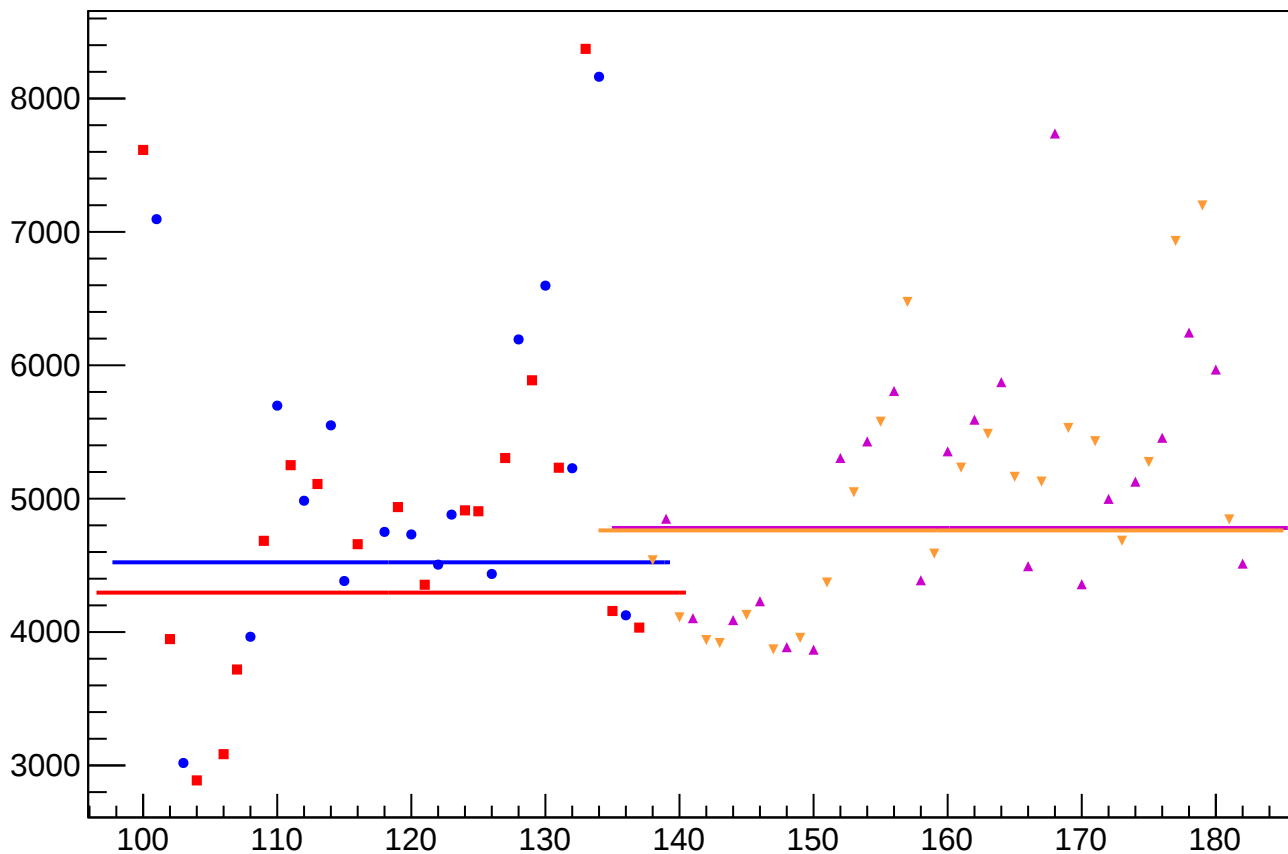
Right: -1629.818 $\pm$ 1237.593 χ^2 /NDF: 31.0/35

In: -919.521 $\pm$ 984.292 χ^2 /NDF: 35.6/38

Out: 669.853 $\pm$ 957.779 χ^2 /NDF: 38.7/41

All: -103.141 $\pm$ 686.434 χ^2 /NDF: 75.6/80

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4522.775 $\pm$ 1.282 χ^2 /NDF: 776612.8/16

Left Out: 4761.967 $\pm$ 0.821 χ^2 /NDF:942043.3/22

Right Out: 4295.614 $\pm$ 1.191 χ^2 /NDF: 773207.8/18

Left In: 4780.312 $\pm$ 0.829 χ^2 /NDF:949786.6/21

Left: 4771.057 $\pm$ 0.583 χ^2 /NDF: 1892077.1/44

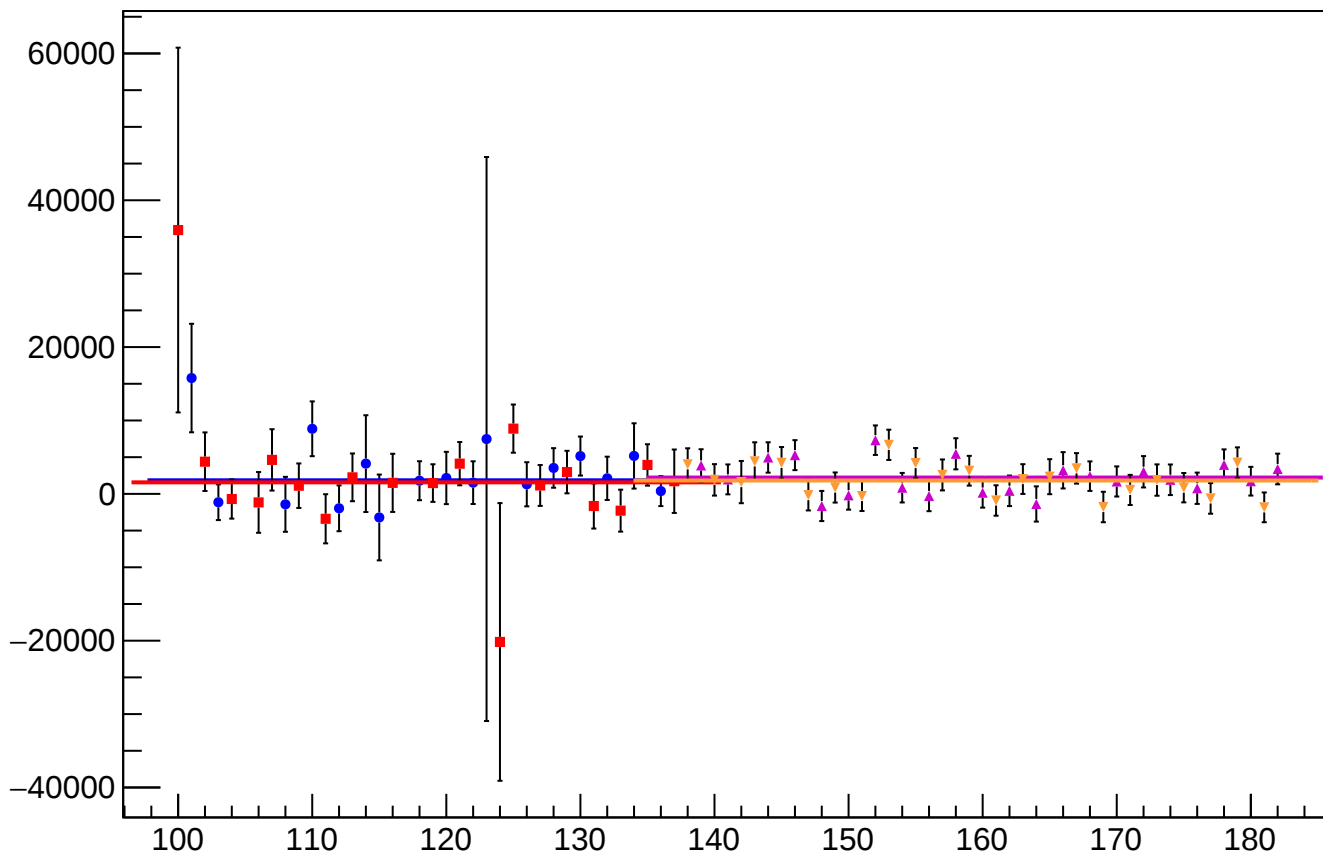
Right: 4400.789 $\pm$ 0.872 χ^2 /NDF: 1566674.2/35

In: 4704.436 $\pm$ 0.696 χ^2 /NDF:1754853.7/38

Out: 4611.616 $\pm$ 0.676 χ^2 /NDF:1819207.8/41

All: 4656.676 $\pm$ 0.485 χ^2 /NDF: 3583212.8/80

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1850.872 $\pm$ 785.814 χ^2 /NDF: 14.8/16

Left Out: 1822.340 $\pm$ 443.344 χ^2 /NDF:25.0/22

Right Out: 1571.043 $\pm$ 768.050 χ^2 /NDF: 17.3/18

Left In: 2225.810 $\pm$ 445.121 χ^2 /NDF:26.3/21

Left: 2023.268 $\pm$ 314.118 χ^2 /NDF: 51.7/44

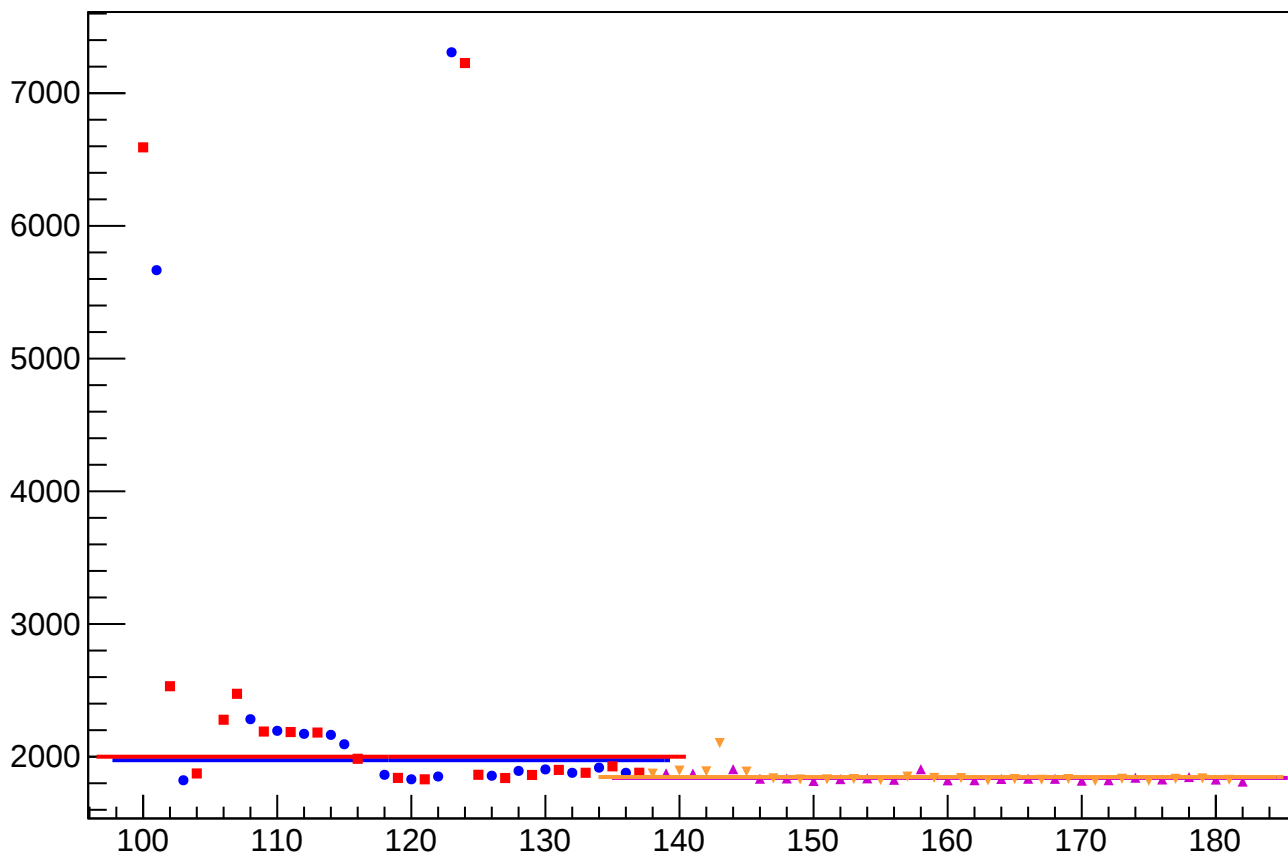
Right: 1707.759 $\pm$ 549.266 χ^2 /NDF: 32.2/35

In: 2134.731 $\pm$ 387.302 χ^2 /NDF:41.2/38

Out: 1759.535 $\pm$ 383.967 χ^2 /NDF:42.4/41

All: 1945.510 $\pm$ 272.677 χ^2 /NDF: 84.1/80

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1973.812+/-0.556 χ^2/NDF : 599877.2/16

Left Out: 1846.992+/-0.313 χ^2/NDF : 24532.0/22

Right Out: 2000.069+/-0.543 χ^2/NDF : 353620.6/18

Left In: 1840.130+/-0.315 χ^2/NDF : 6627.9/21

Left: 1843.574+/-0.222 χ^2/NDF : 31398.6/44

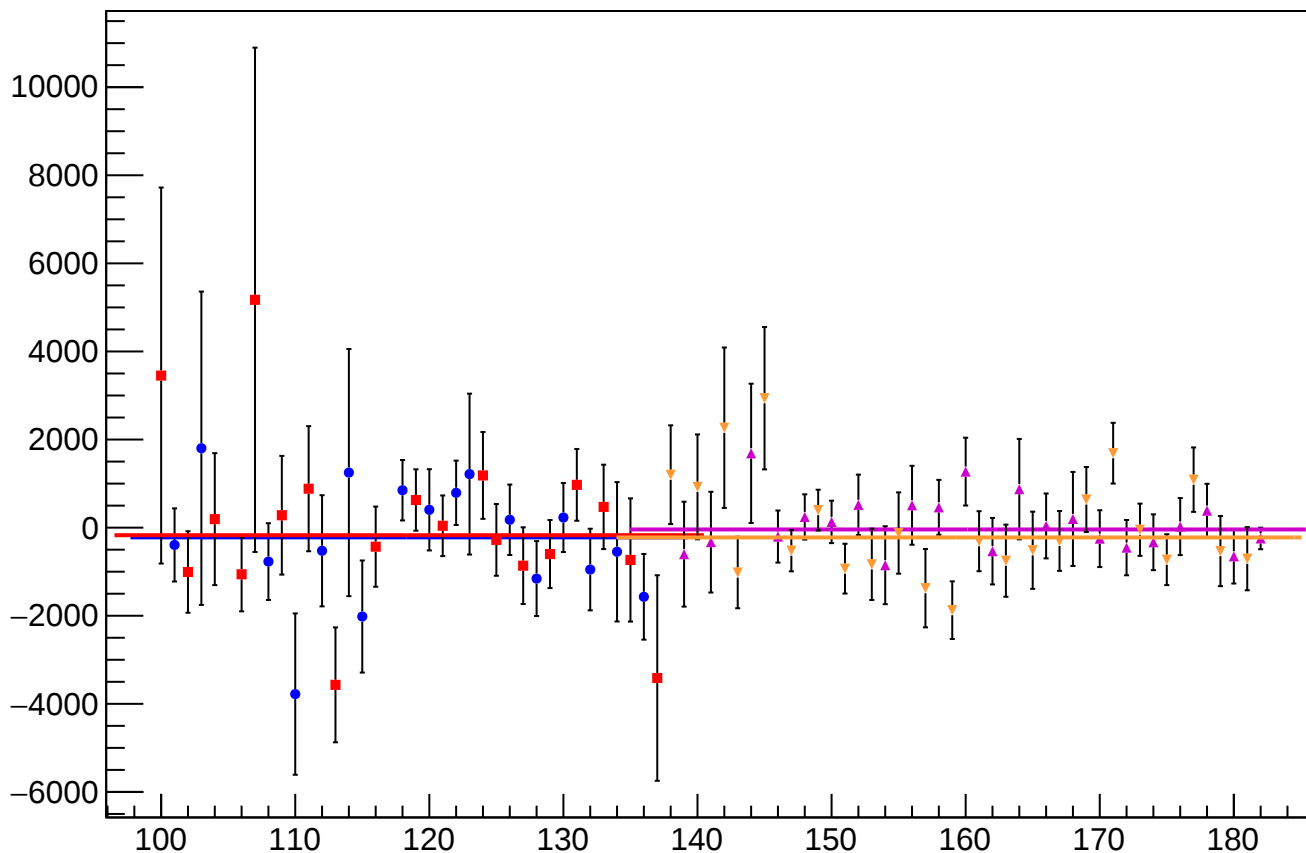
Right: 1987.241+/-0.388 χ^2/NDF : 954639.9/35

In: 1872.603+/-0.274 χ^2/NDF : 650326.2/38

Out: 1885.250+/-0.272 χ^2/NDF : 437743.9/41

All: 1878.981+/-0.193 χ^2/NDF : 1089145.5/80

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -220.797 ± 241.210 χ^2/NDF : 16.7/16

Left Out: -222.486 ± 149.696 χ^2/NDF : 35.9/22

Right Out: -171.668 ± 229.758 χ^2/NDF : 19.9/18

Left In: -41.230 ± 130.413 χ^2/NDF : 11.5/21

Left: -119.439 ± 98.331 χ^2/NDF : 48.2/44

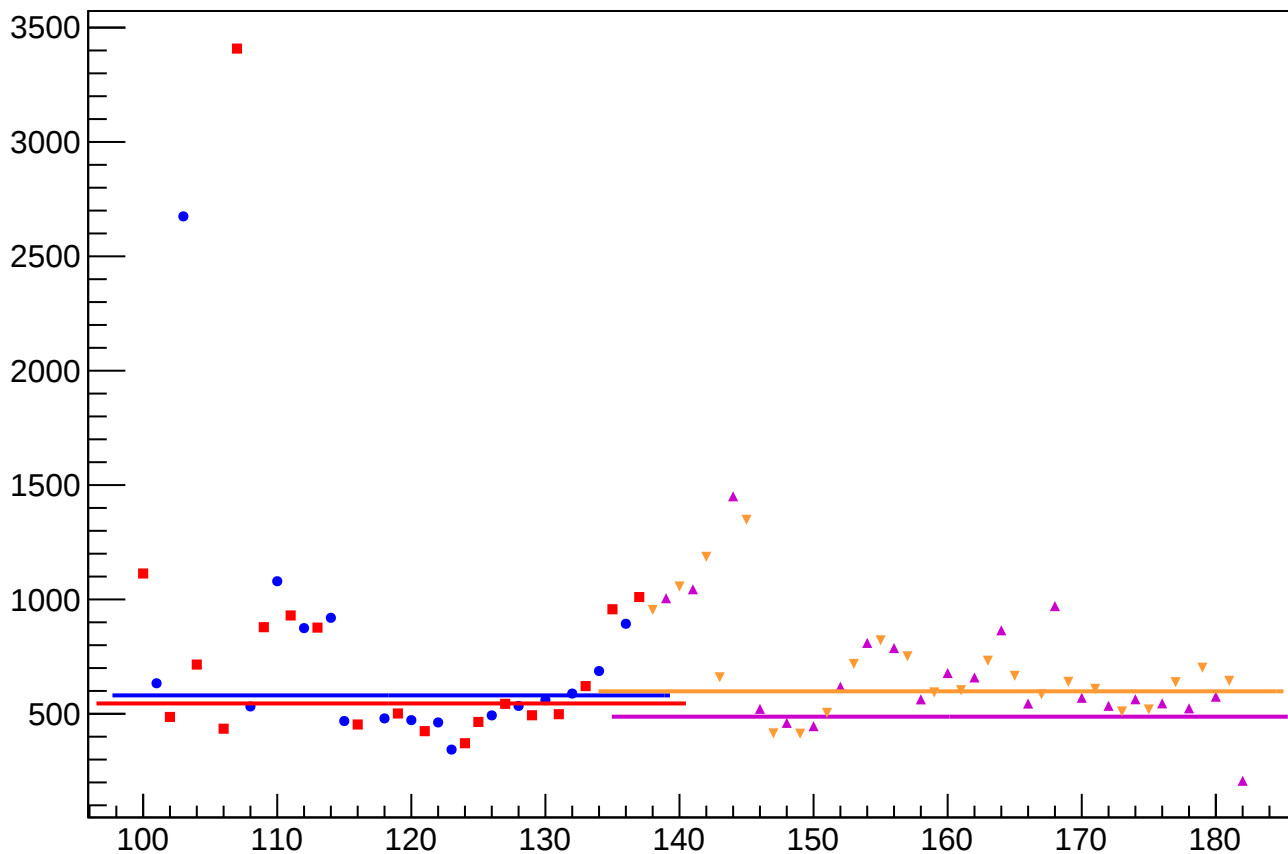
Right: -195.039 ± 166.365 χ^2/NDF : 36.6/35

In: -81.847 ± 114.719 χ^2/NDF : 28.6/38

Out: -207.342 ± 125.423 χ^2/NDF : 55.8/41

All: -139.012 ± 84.650 χ^2/NDF : 84.9/80

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 580.578+/-0.171 χ^2/NDF : 1413766.8/16

Left Out: 598.362+/-0.106 χ^2/NDF : 2254121.2/22

Right Out: 545.286+/-0.162 χ^2/NDF : 1455572.2/18

Left In: 487.438+/-0.092 χ^2/NDF : 5838415.7/21

Left: 535.300+/-0.070 χ^2/NDF : 8716856.9/44

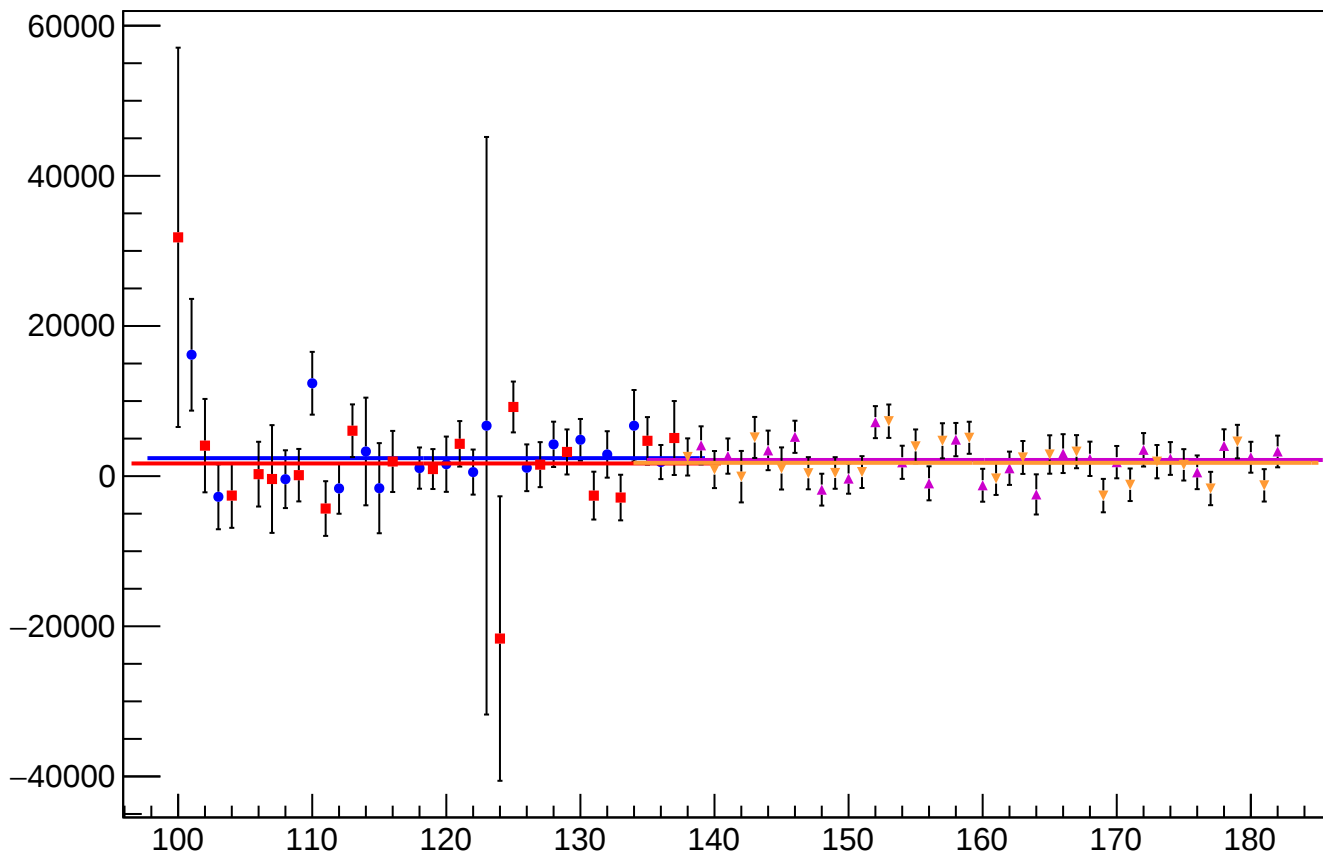
Right: 562.075+/-0.118 χ^2/NDF : 2891787.0/35

In: 508.506+/-0.081 χ^2/NDF : 7482934.8/38

Out: 582.546+/-0.089 χ^2/NDF : 3784618.4/41

All: 542.232+/-0.060 χ^2/NDF : 11647034.4/80

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2394.430+/-865.666 χ^2/NDF : 15.8/16

Left Out: 1774.153+/-477.756 χ^2/NDF : 27.7/22

Right Out: 1689.195+/-856.105 χ^2/NDF : 20.2/18

Left In: 2152.514+/-478.176 χ^2/NDF : 24.6/21

Left: 1963.167+/-337.973 χ^2/NDF : 52.6/44

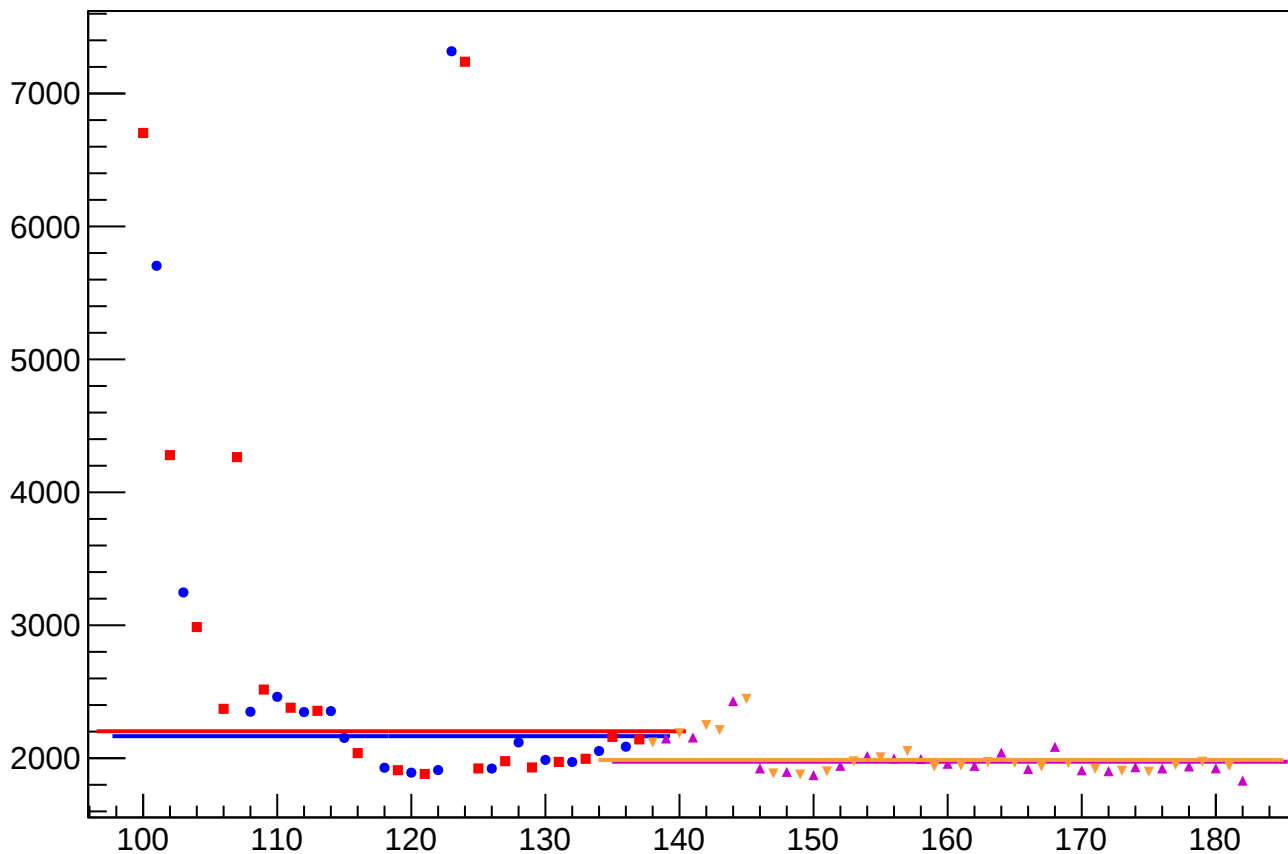
Right: 2037.897+/-608.710 χ^2/NDF : 36.4/35

In: 2209.072+/-418.564 χ^2/NDF : 40.5/38

Out: 1753.978+/-417.190 χ^2/NDF : 47.9/41

All: 1980.776+/-295.483 χ^2/NDF : 89.0/80

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2165.566+/-0.612 χ^2/NDF : 707806.4/16

Left Out: 1986.942+/-0.338 χ^2/NDF :125666.9/22

Right Out: 2202.669+/-0.605 χ^2/NDF : 799074.2/18

Left In: 1973.618+/-0.338 χ^2/NDF :115380.2/21

Left: 1980.286+/-0.239 χ^2/NDF : 241824.2/44

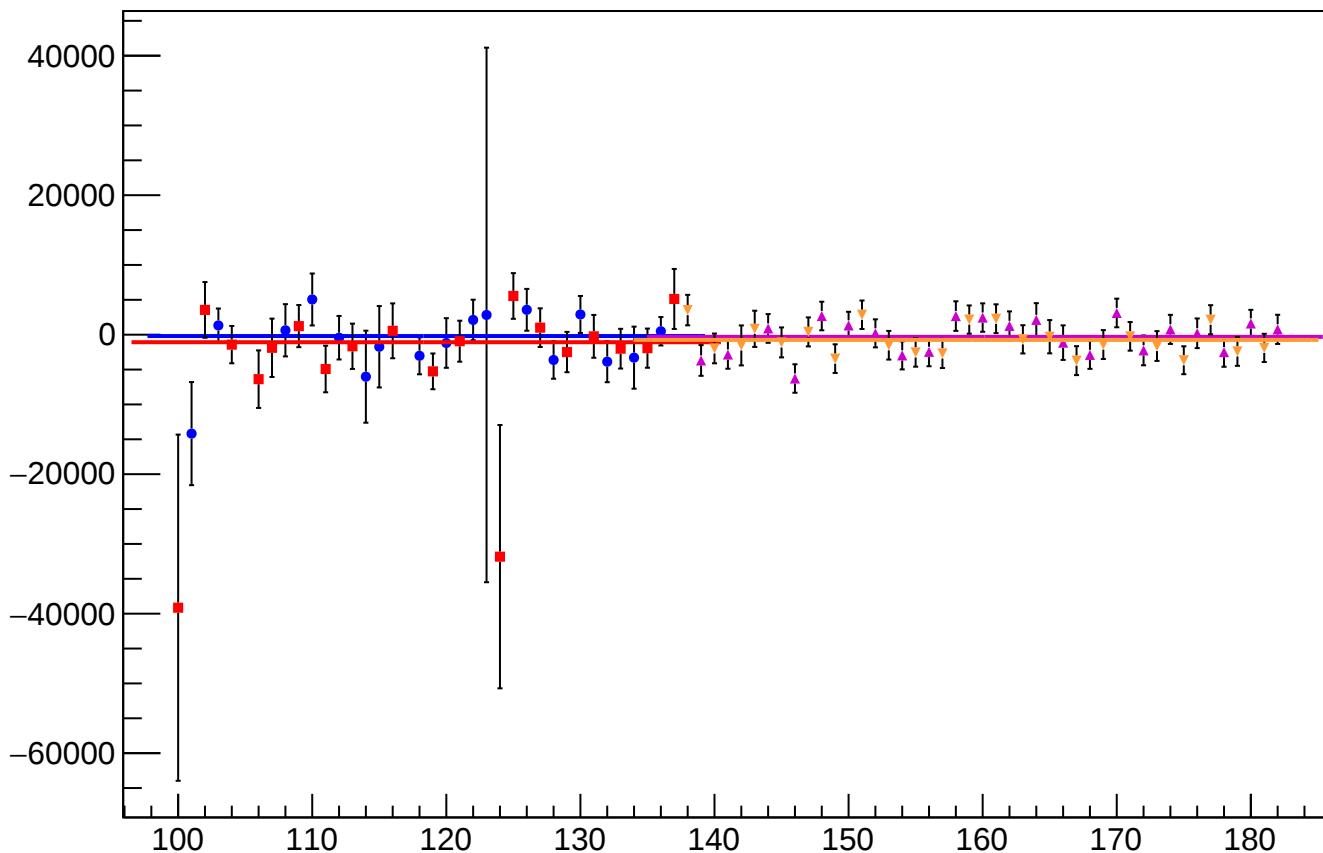
Right: 2184.324+/-0.430 χ^2/NDF : 1508738.0/35

In: 2018.493+/-0.296 χ^2/NDF :898530.3/38

Out: 2038.171+/-0.295 χ^2/NDF :1021578.5/41

All: 2028.365+/-0.209 χ^2/NDF : 1922326.4/80

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -195.092+/-784.368 χ^2/NDF : 15.4/16

Left Out: -747.280+/-442.610 χ^2/NDF : 23.2/22

Right Out: -1078.628+/-766.426 χ^2/NDF : 20.1/18

Left In: -313.149+/-444.650 χ^2/NDF : 32.0/21

Left: -531.213+/-313.691 χ^2/NDF : 55.6/44

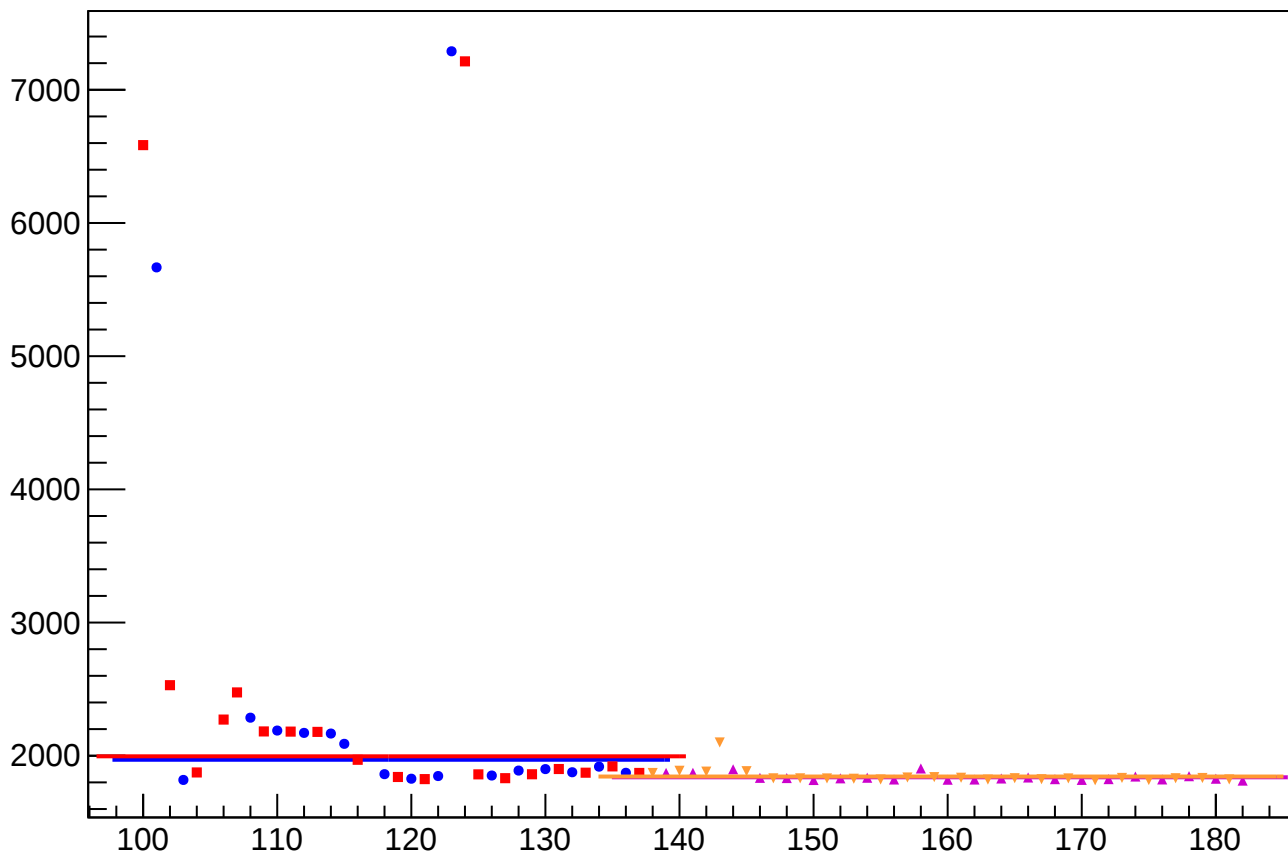
Right: -647.080+/-548.178 χ^2/NDF : 36.2/35

In: -284.437+/-386.818 χ^2/NDF : 47.4/38

Out: -830.149+/-383.287 χ^2/NDF : 43.4/41

All: -559.796+/-272.265 χ^2/NDF : 91.8/80

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1969.951+/-0.555 χ^2/NDF : 602002.6/16

Left Out: 1843.964+/-0.313 χ^2/NDF : 24012.0/22

Right Out: 1995.751+/-0.542 χ^2/NDF : 354300.7/18

Left In: 1838.189+/-0.314 χ^2/NDF : 6217.1/21

Left: 1841.090+/-0.222 χ^2/NDF : 30398.5/44

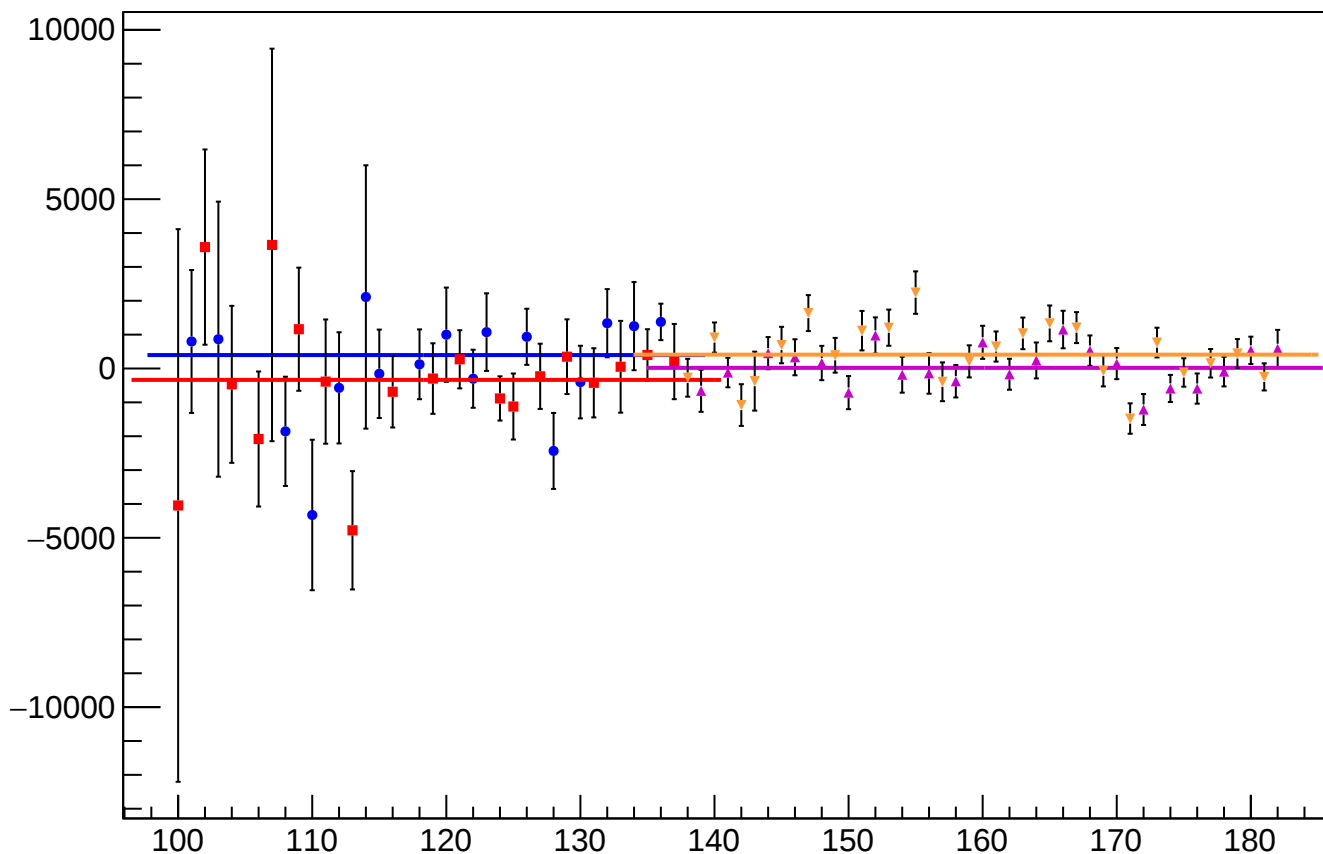
Right: 1983.150+/-0.388 χ^2/NDF : 957410.2/35

In: 1870.235+/-0.274 χ^2/NDF : 650931.5/38

Out: 1881.925+/-0.271 χ^2/NDF : 437138.3/41

All: 1876.134+/-0.193 χ^2/NDF : 1088991.6/80

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 396.702 ± 270.925 χ^2/NDF : 20.5/16

Left Out: 409.052 ± 102.409 χ^2/NDF : 61.6/22

Right Out: -336.277 ± 266.891 χ^2/NDF : 14.1/18

Left In: 18.626 ± 103.049 χ^2/NDF : 31.3/21

Left: 215.056 ± 72.640 χ^2/NDF : 100.1/44

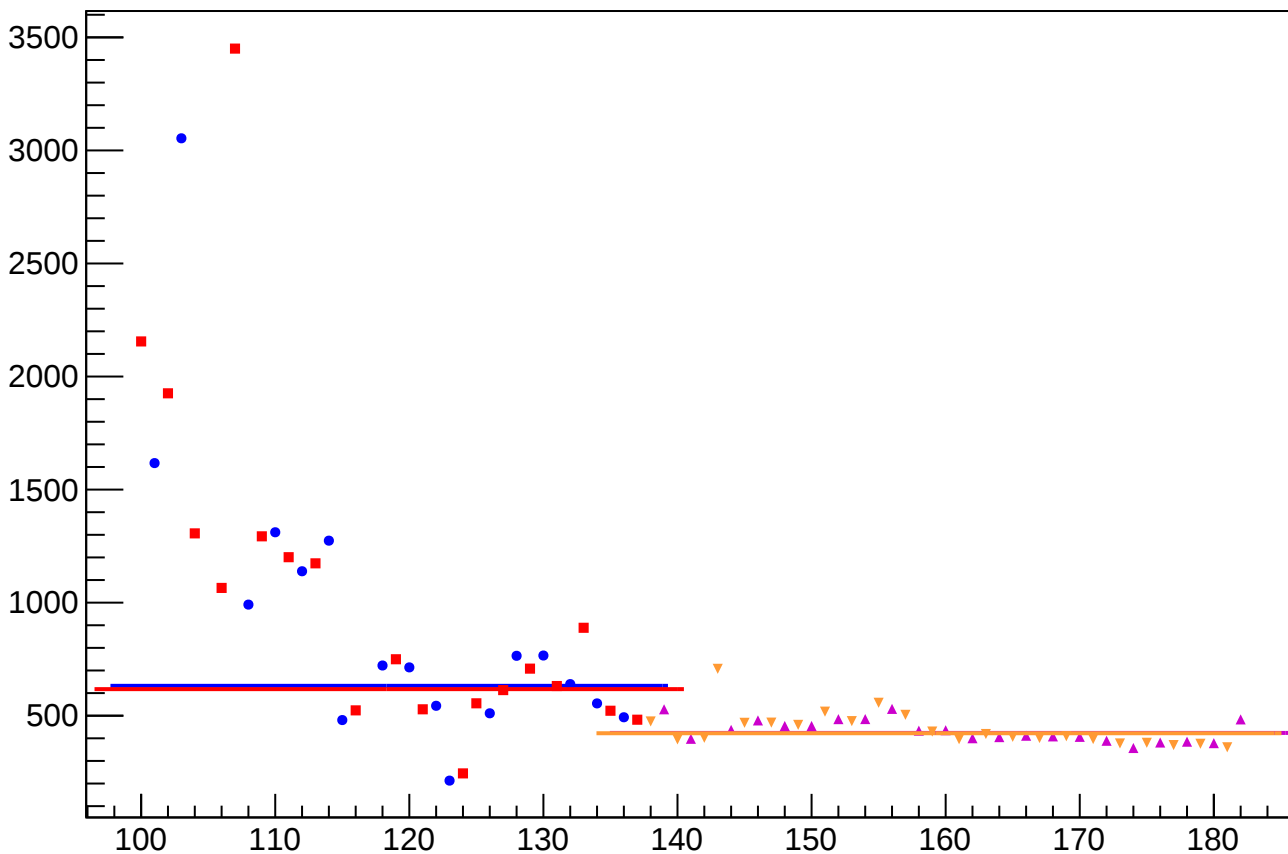
Right: 24.714 ± 190.131 χ^2/NDF : 38.2/35

In: 66.411 ± 96.317 χ^2/NDF : 53.5/38

Out: 313.397 ± 95.612 χ^2/NDF : 82.5/41

All: 190.812 ± 67.856 χ^2/NDF : 139.3/80

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 632.093 $\pm$ 0.192 χ^2 /NDF: 2258413.9/16

Left Out: 422.447 $\pm$ 0.072 χ^2 /NDF: 654764.1/22

Right Out: 617.519 $\pm$ 0.189 χ^2 /NDF: 2802398.1/18

Left In: 423.838 $\pm$ 0.073 χ^2 /NDF: 381952.8/21

Left: 423.138 $\pm$ 0.051 χ^2 /NDF: 1036900.3/44

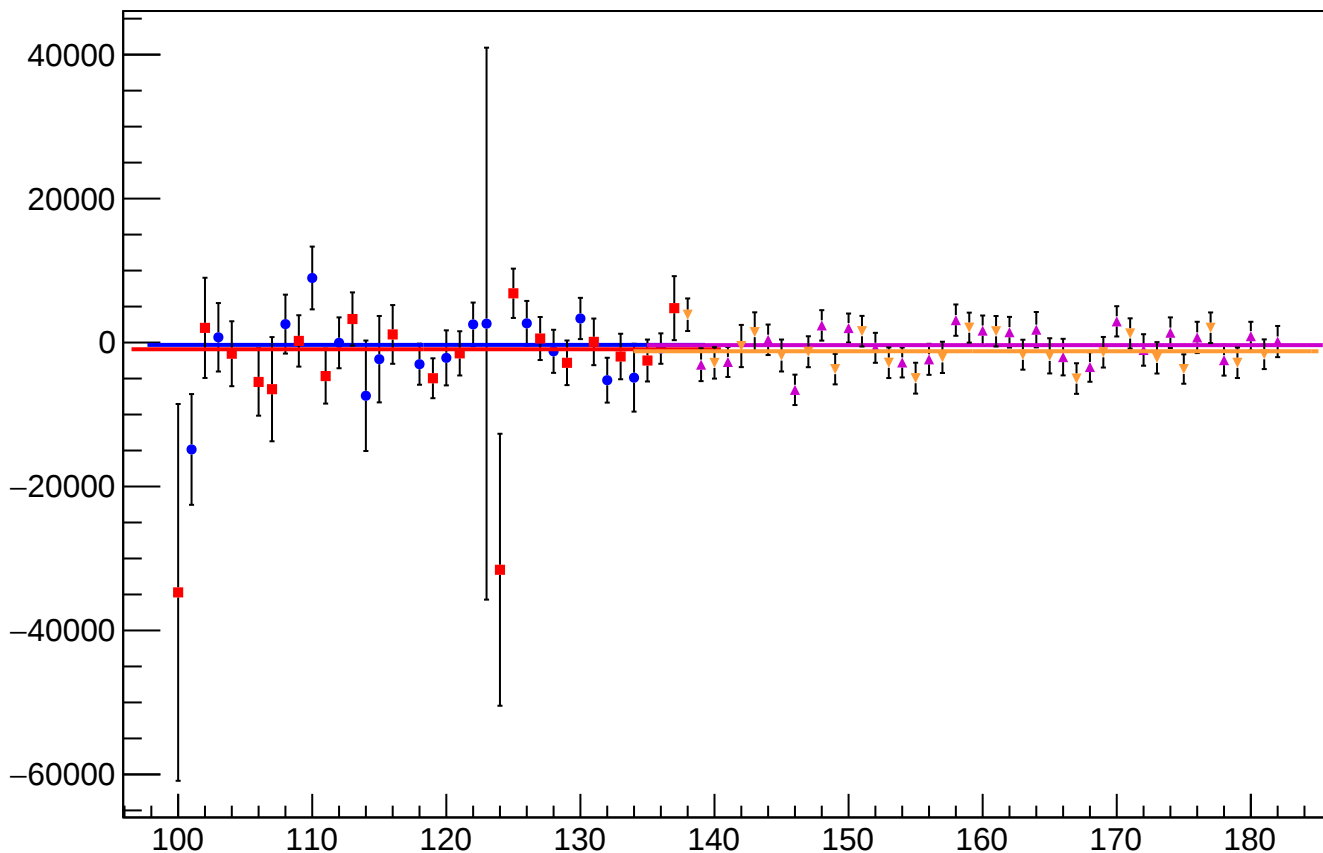
Right: 624.697 $\pm$ 0.134 χ^2 /NDF: 5063749.2/35

In: 450.159 $\pm$ 0.068 χ^2 /NDF: 3672748.7/38

Out: 447.482 $\pm$ 0.068 χ^2 /NDF: 4388484.4/41

All: 448.811 $\pm$ 0.048 χ^2 /NDF: 8062011.1/80

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -324.791 $\pm$ 874.352 χ^2/NDF : 17.7/16

Left Out: -1208.968 $\pm$ 455.636 χ^2/NDF : 27.0/22

Right Out: -932.195 $\pm$ 870.269 χ^2/NDF : 18.7/18

Left In: -358.725 $\pm$ 457.392 χ^2/NDF : 29.1/21

Left: -785.482 $\pm$ 322.802 χ^2/NDF : 57.8/44

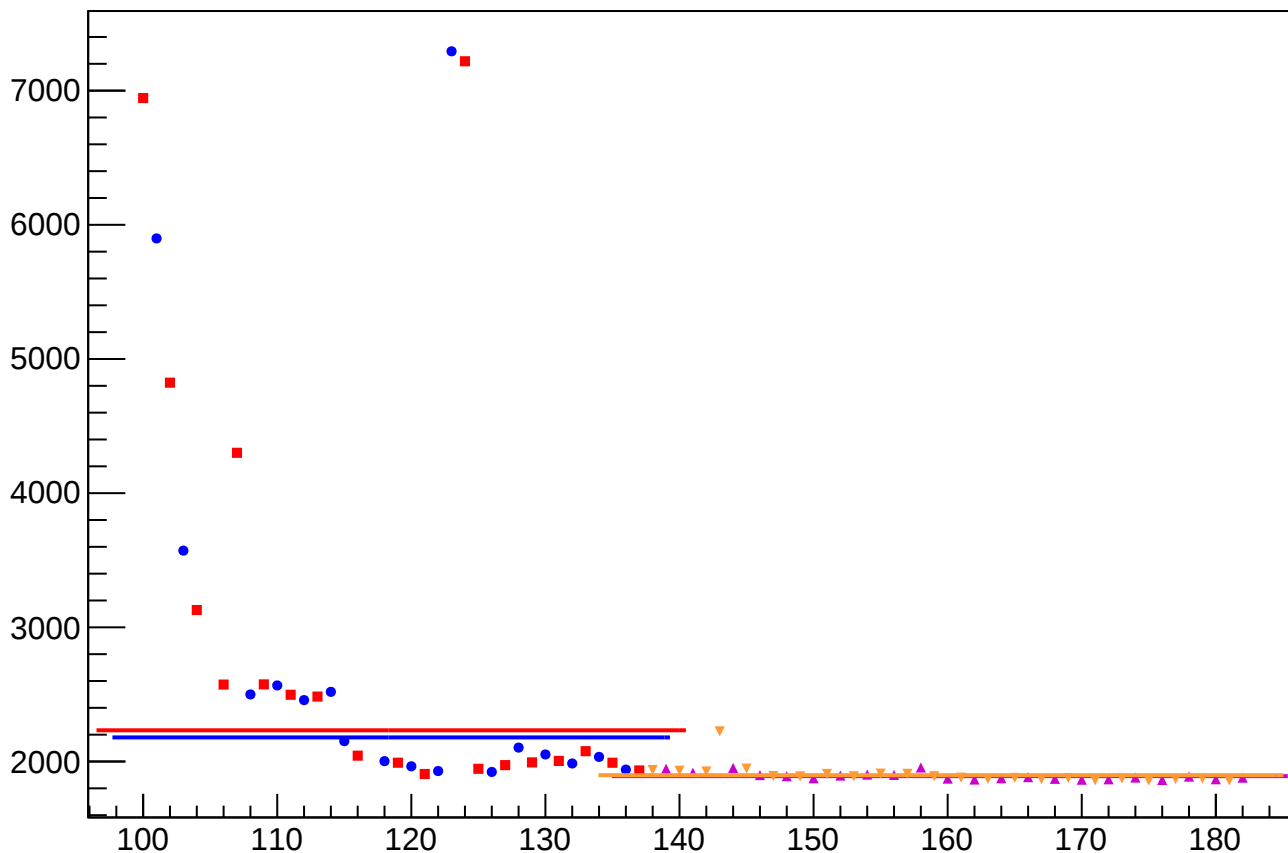
Right: -629.915 $\pm$ 616.812 χ^2/NDF : 36.7/35

In: -351.434 $\pm$ 405.287 χ^2/NDF : 46.9/38

Out: -1149.423 $\pm$ 403.658 χ^2/NDF : 45.7/41

All: -752.035 $\pm$ 286.004 χ^2/NDF : 94.6/80

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2179.524+/-0.618 χ^2/NDF : 800832.9/16

Left Out: 1898.110+/-0.322 χ^2/NDF : 35030.2/22

Right Out: 2232.584+/-0.615 χ^2/NDF : 892015.8/18

Left In: 1891.006+/-0.323 χ^2/NDF : 7120.0/21

Left: 1894.572+/-0.228 χ^2/NDF : 42392.5/44

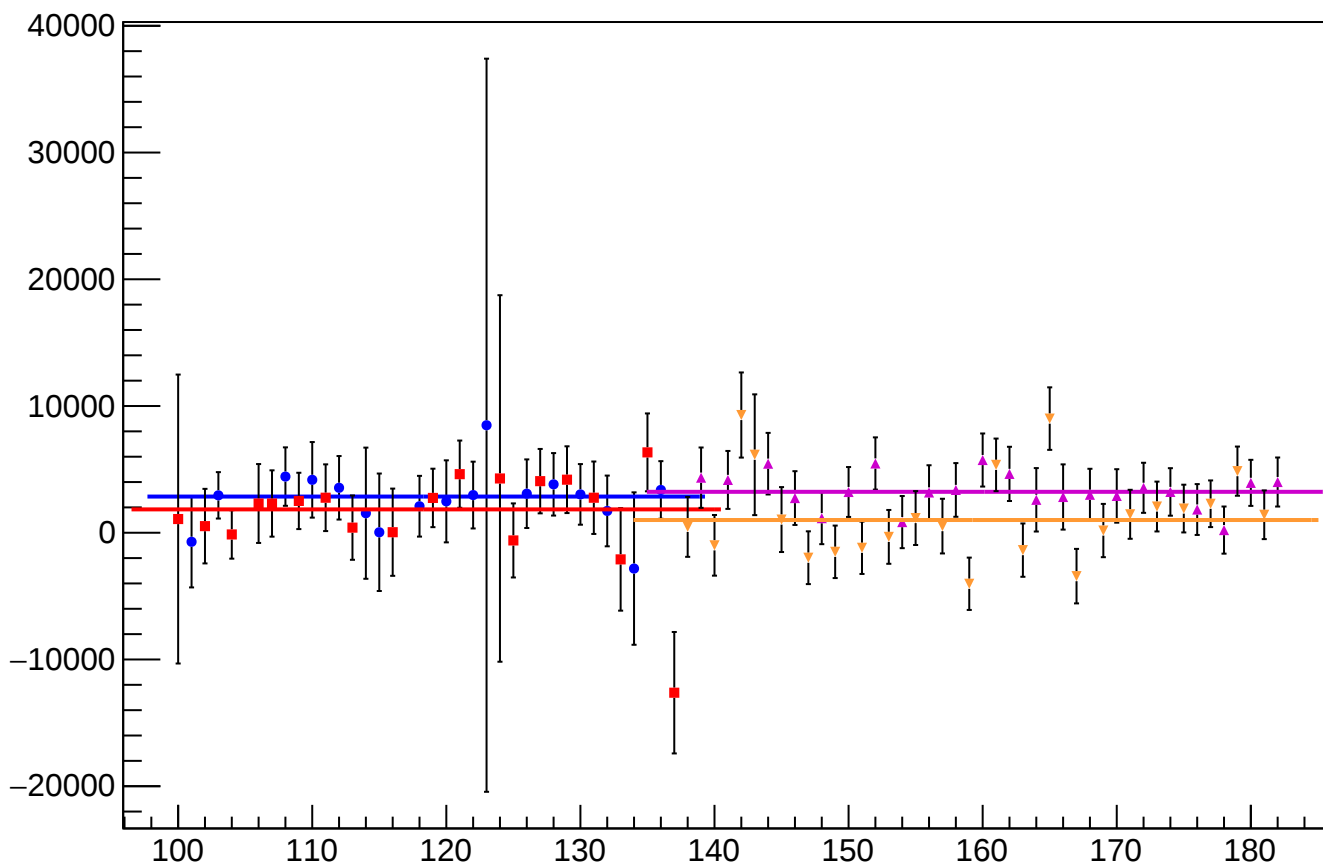
Right: 2206.178+/-0.436 χ^2/NDF : 1696548.5/35

In: 1952.996+/-0.287 χ^2/NDF : 978935.7/38

Out: 1970.069+/-0.285 χ^2/NDF : 1158913.4/41

All: 1961.567+/-0.202 χ^2/NDF : 2139630.8/80

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2855.433+/-680.542 χ^2/NDF : 3.6/16

Left Out: 1004.549+/-450.190 χ^2/NDF : 44.7/22

Right Out: 1842.875+/-656.991 χ^2/NDF : 18.0/18

Left In: 3229.201+/-445.674 χ^2/NDF : 10.3/21

Left: 2128.089+/-316.724 χ^2/NDF : 67.3/44

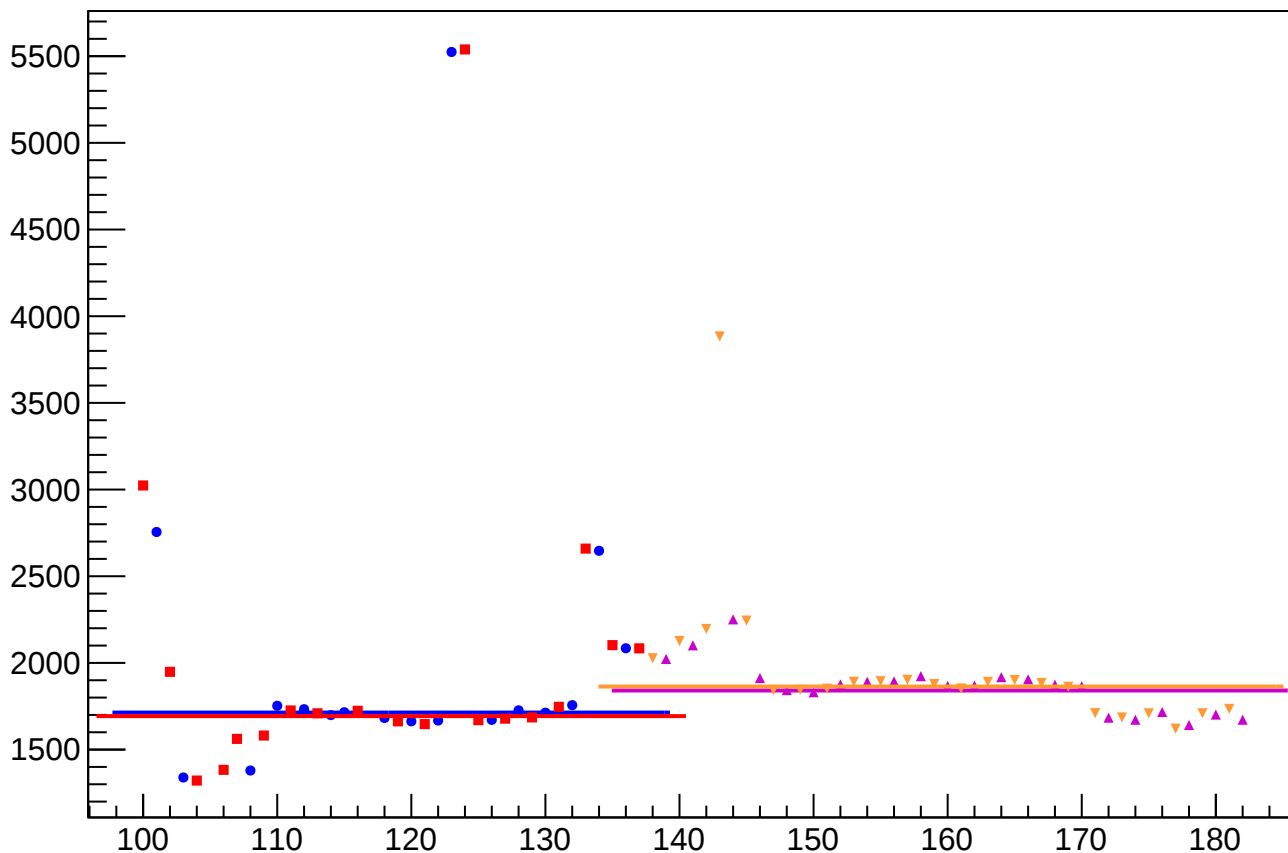
Right: 2331.330+/-472.669 χ^2/NDF : 22.7/35

In: 3117.016+/-372.839 χ^2/NDF : 14.1/38

Out: 1272.407+/-371.368 χ^2/NDF : 63.8/41

All: 2191.067+/-263.115 χ^2/NDF : 90.2/80

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1713.549 $\pm$ 0.481 χ^2 /NDF: 432300.3/16

Left Out: 1863.685 $\pm$ 0.318 χ^2 /NDF: 558571.8/22

Right Out: 1693.096 $\pm$ 0.465 χ^2 /NDF: 454659.7/18

Left In: 1840.821 $\pm$ 0.315 χ^2 /NDF: 193803.3/21

Left: 1852.138 $\pm$ 0.224 χ^2 /NDF: 754980.3/44

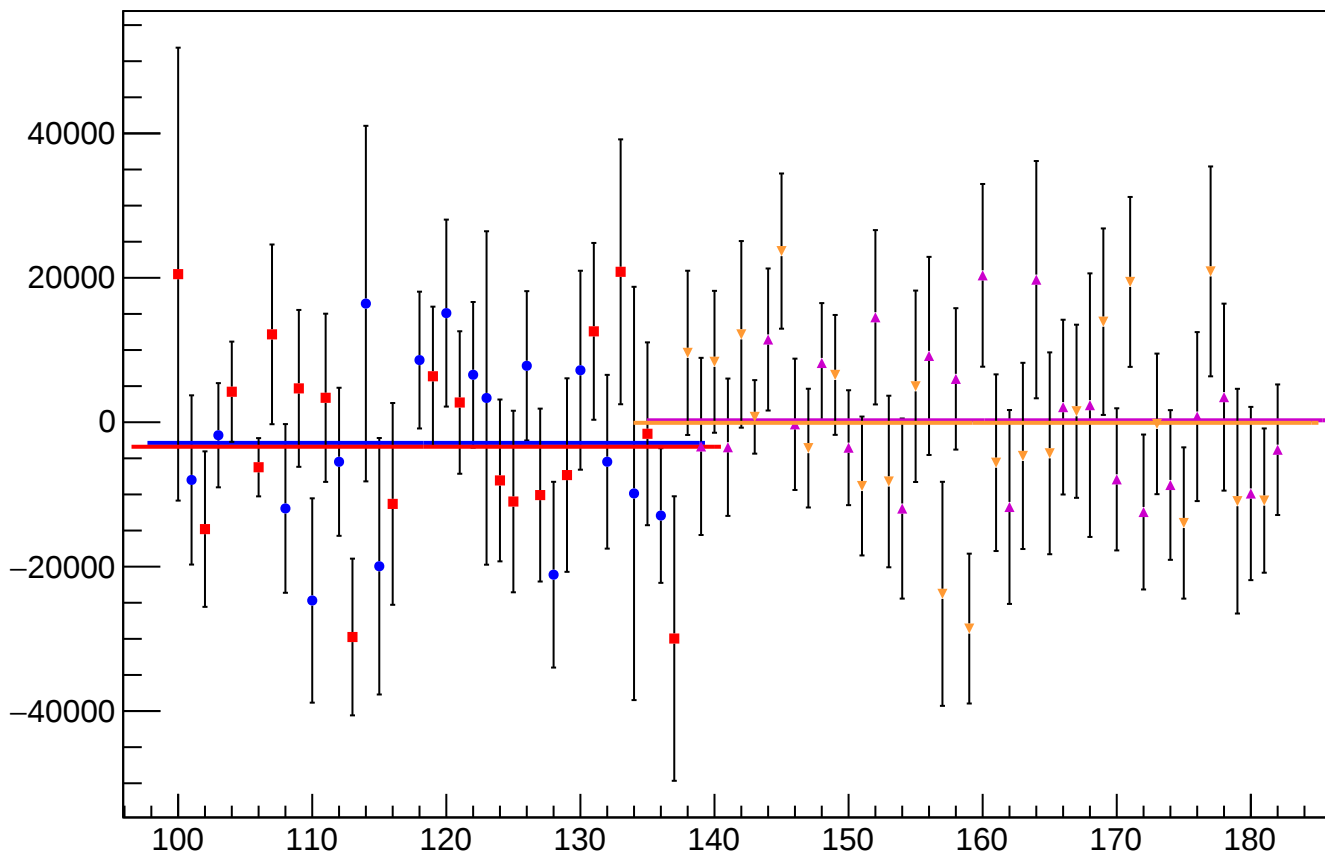
Right: 1702.962 $\pm$ 0.334 χ^2 /NDF: 887895.0/35

In: 1802.621 $\pm$ 0.264 χ^2 /NDF: 675058.7/38

Out: 1809.179 $\pm$ 0.263 χ^2 /NDF: 1104987.5/41

All: 1805.913 $\pm$ 0.186 χ^2 /NDF: 1780356.8/80

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -2861.382 $\pm$ 2859.849 χ^2 /NDF: 14.0/16

Left Out: -81.017 $\pm$ 2160.789 χ^2 /NDF:29.3/22

Right Out: -3395.034 $\pm$ 2269.782 χ^2 /NDF: 19.7/18

Left In: 266.981 $\pm$ 2321.225 χ^2 /NDF:14.4/21

Left: 80.541 $\pm$ 1581.588 χ^2 /NDF: 43.7/44

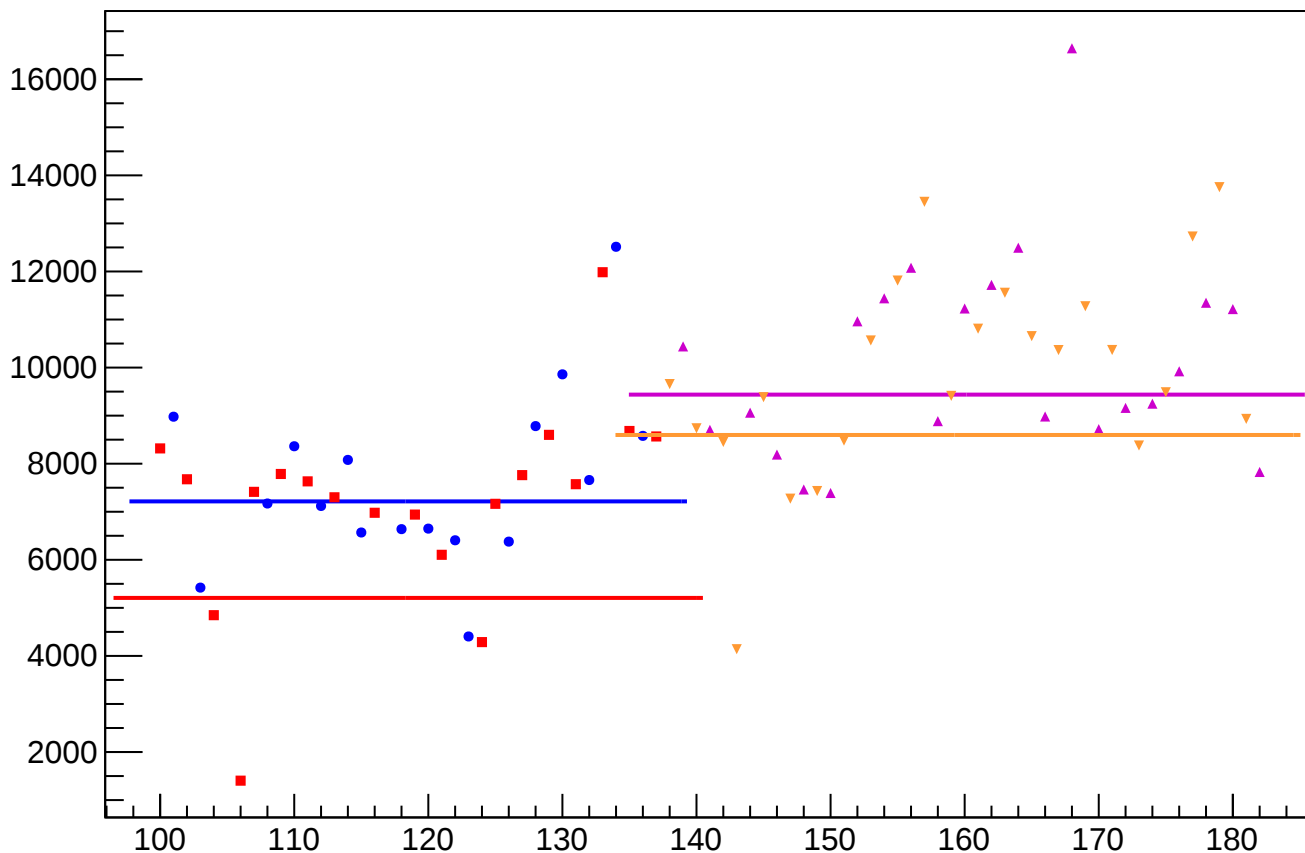
Right: -3188.793 $\pm$ 1777.877 χ^2 /NDF: 33.8/35

In: -975.454 $\pm$ 1802.276 χ^2 /NDF:29.1/38

Out: -1656.549 $\pm$ 1565.022 χ^2 /NDF:50.1/41

All: -1363.753 $\pm$ 1181.680 χ^2 /NDF: 79.3/80

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7215.564 $\pm$ 2.022 χ^2/NDF : 471682.0/16

Left Out: 8597.586 $\pm$ 1.528 χ^2/NDF :2821408.8/22

Right Out: 5206.982 $\pm$ 1.605 χ^2/NDF : 3196167.0/18

Left In: 9437.351 $\pm$ 1.641 χ^2/NDF :1124502.7/21

Left: 8987.447 $\pm$ 1.118 χ^2/NDF : 4086151.8/44

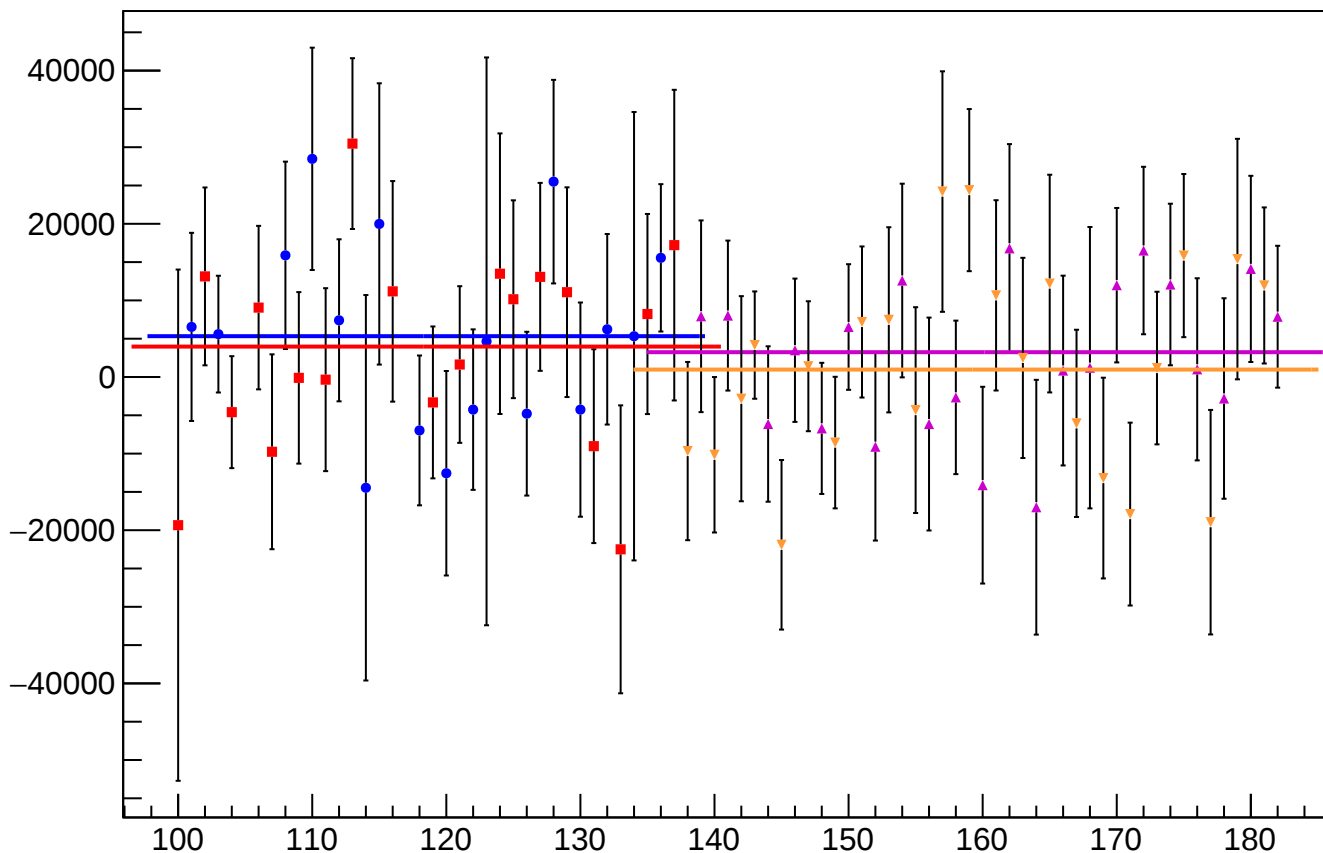
Right: 5983.241 $\pm$ 1.257 χ^2/NDF : 4273131.1/35

In: 8554.964 $\pm$ 1.274 χ^2/NDF :2323892.0/38

Out: 6985.643 $\pm$ 1.107 χ^2/NDF :8358740.7/41

All: 7660.279 $\pm$ 0.836 χ^2/NDF : 11547142.4/8

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5329.954+/-2979.601 χ^2/NDF : 13.6/16

Left Out: 970.414+/-2303.956 χ^2/NDF : 26.8/22

Right Out: 3971.333+/-2795.963 χ^2/NDF : 15.5/18

Left In: 3239.424+/-2372.583 χ^2/NDF : 13.7/21

Left: 2071.629+/-1652.872 χ^2/NDF : 41.0/44

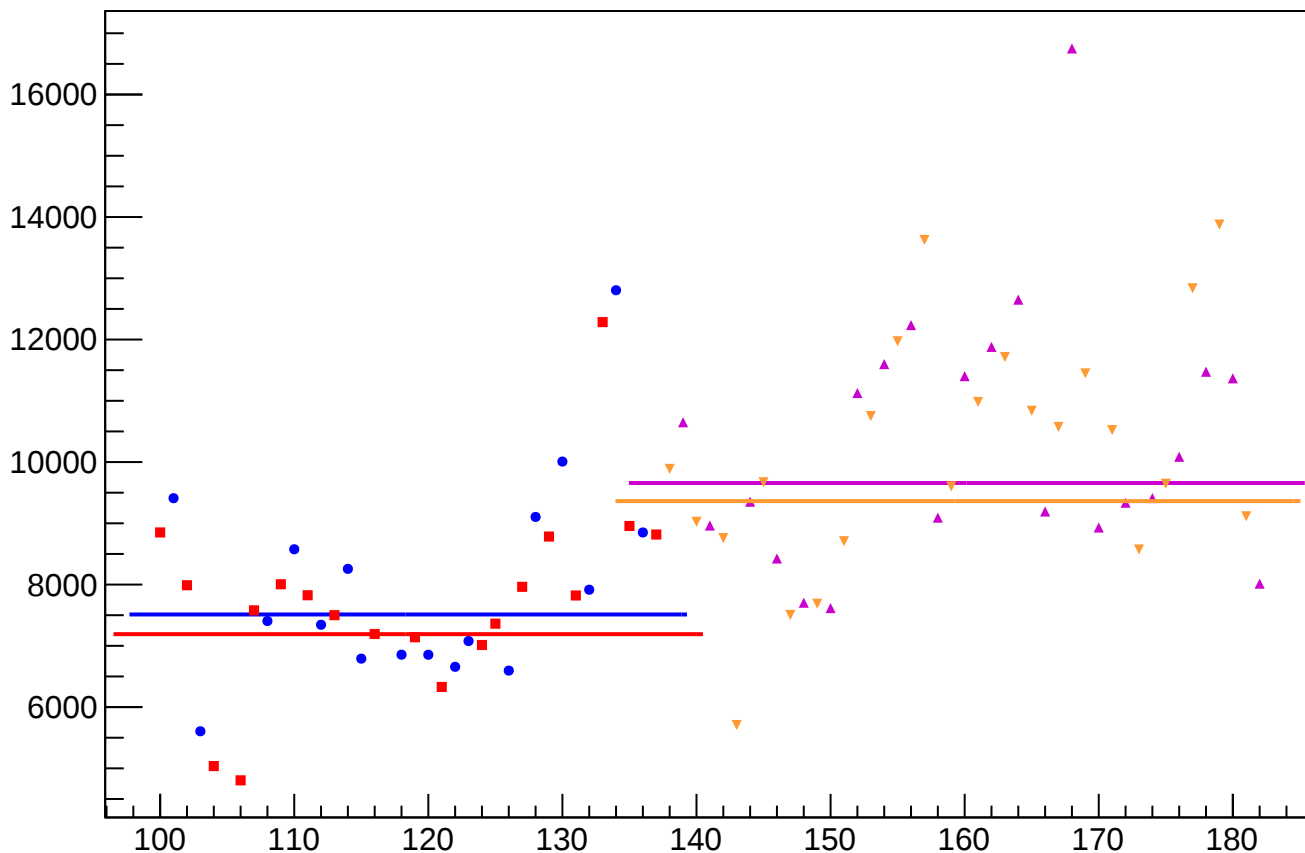
Right: 4607.488+/-2038.876 χ^2/NDF : 29.3/35

In: 4050.602+/-1856.043 χ^2/NDF : 27.6/38

Out: 2184.034+/-1778.057 χ^2/NDF : 43.0/41

All: 3077.281+/-1283.961 χ^2/NDF : 71.2/80

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7511.954+/-2.107 χ^2/NDF : 430092.6/16

Left Out: 9362.552+/-1.629 χ^2/NDF :1490138.3/22

Right Out: 7190.607+/-1.977 χ^2/NDF : 559177.4/18

Left In: 9658.532+/-1.678 χ^2/NDF :1051351.8/21

Left: 9506.200+/-1.169 χ^2/NDF : 2557509.3/44

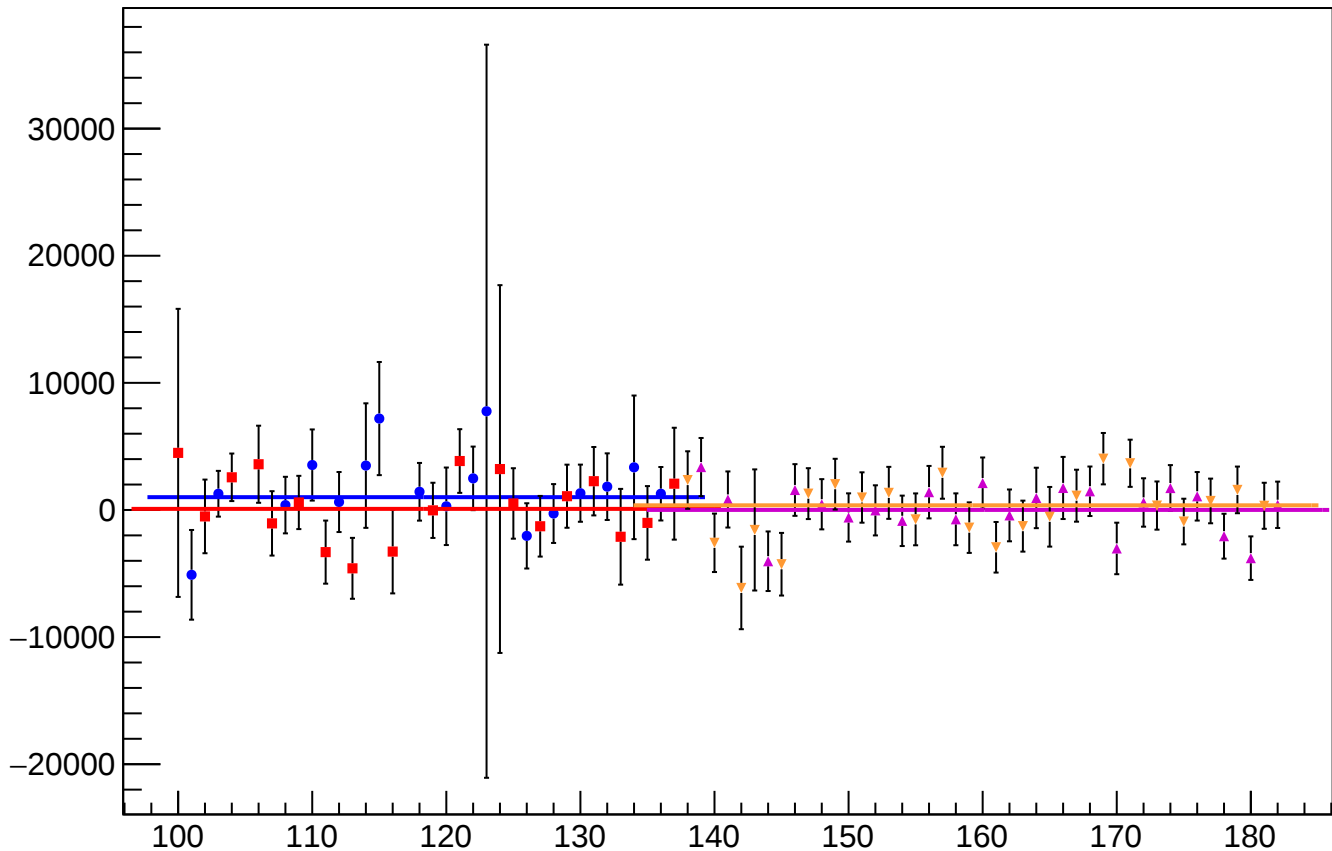
Right: 7341.057+/-1.442 χ^2/NDF : 1001642.3/35

In: 8825.579+/-1.312 χ^2/NDF :2116708.4/38

Out: 8484.047+/-1.257 χ^2/NDF :2768225.7/41

All: 8647.480+/-0.908 χ^2/NDF : 4920248.7/80

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1007.483 $\pm$ 646.543 χ^2 /NDF: 8.6/16

Left Out: 366.429 $\pm$ 430.845 χ^2 /NDF: 25.2/22

Right Out: 85.858 $\pm$ 625.192 χ^2 /NDF: 14.5/18

Left In: 3.994 $\pm$ 426.382 χ^2 /NDF: 19.1/21

Left: 183.325 $\pm$ 303.063 χ^2 /NDF: 44.6/44

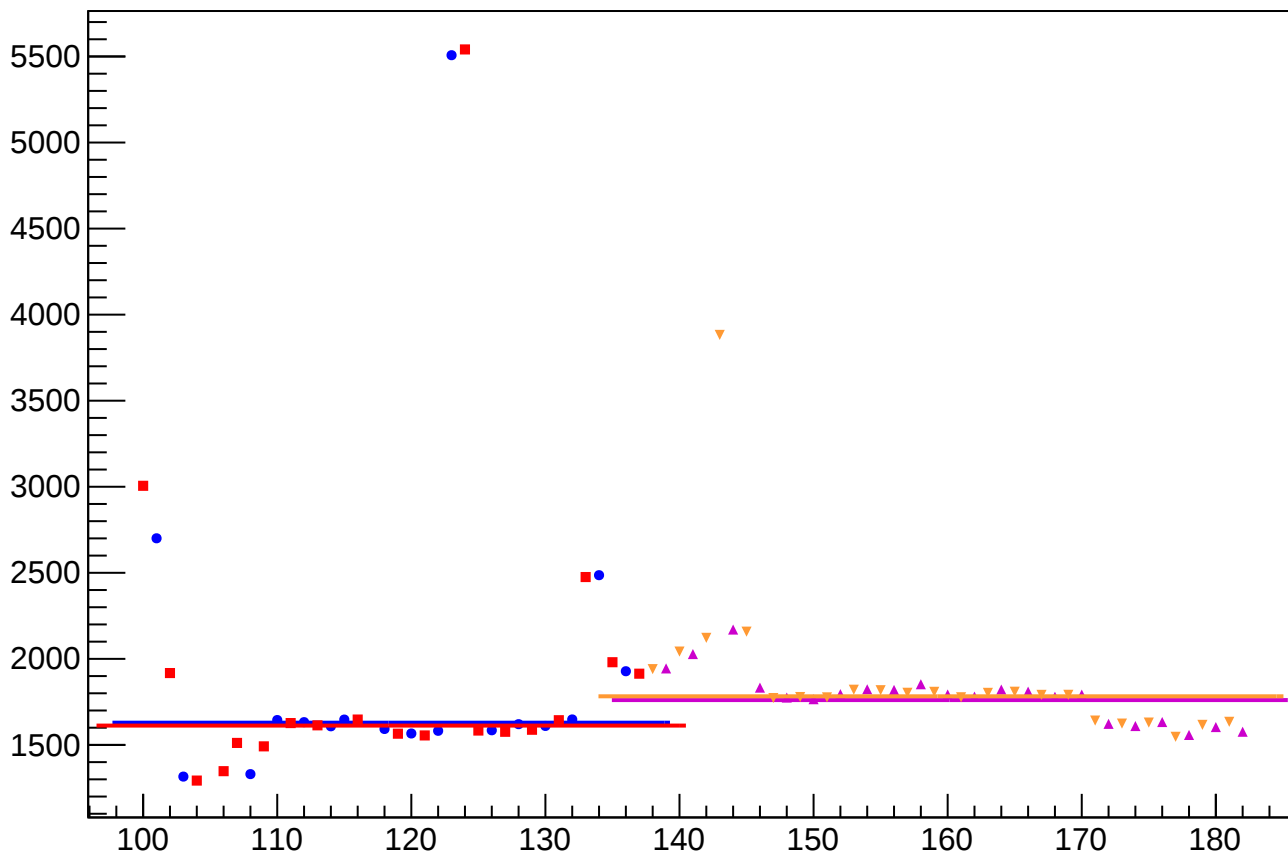
Right: 531.202 $\pm$ 449.436 χ^2 /NDF: 24.2/35

In: 308.146 $\pm$ 355.948 χ^2 /NDF: 29.4/38

Out: 276.087 $\pm$ 354.762 χ^2 /NDF: 39.8/41

All: 292.063 $\pm$ 251.273 χ^2 /NDF: 69.1/80

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1629.197+/-0.457 χ^2/NDF : 406744.5/16

Left Out: 1782.457+/-0.305 χ^2/NDF : 600290.9/22

Right Out: 1612.347+/-0.442 χ^2/NDF : 433525.9/18

Left In: 1760.547+/-0.301 χ^2/NDF : 214874.2/21

Left: 1771.388+/-0.214 χ^2/NDF : 817778.2/44

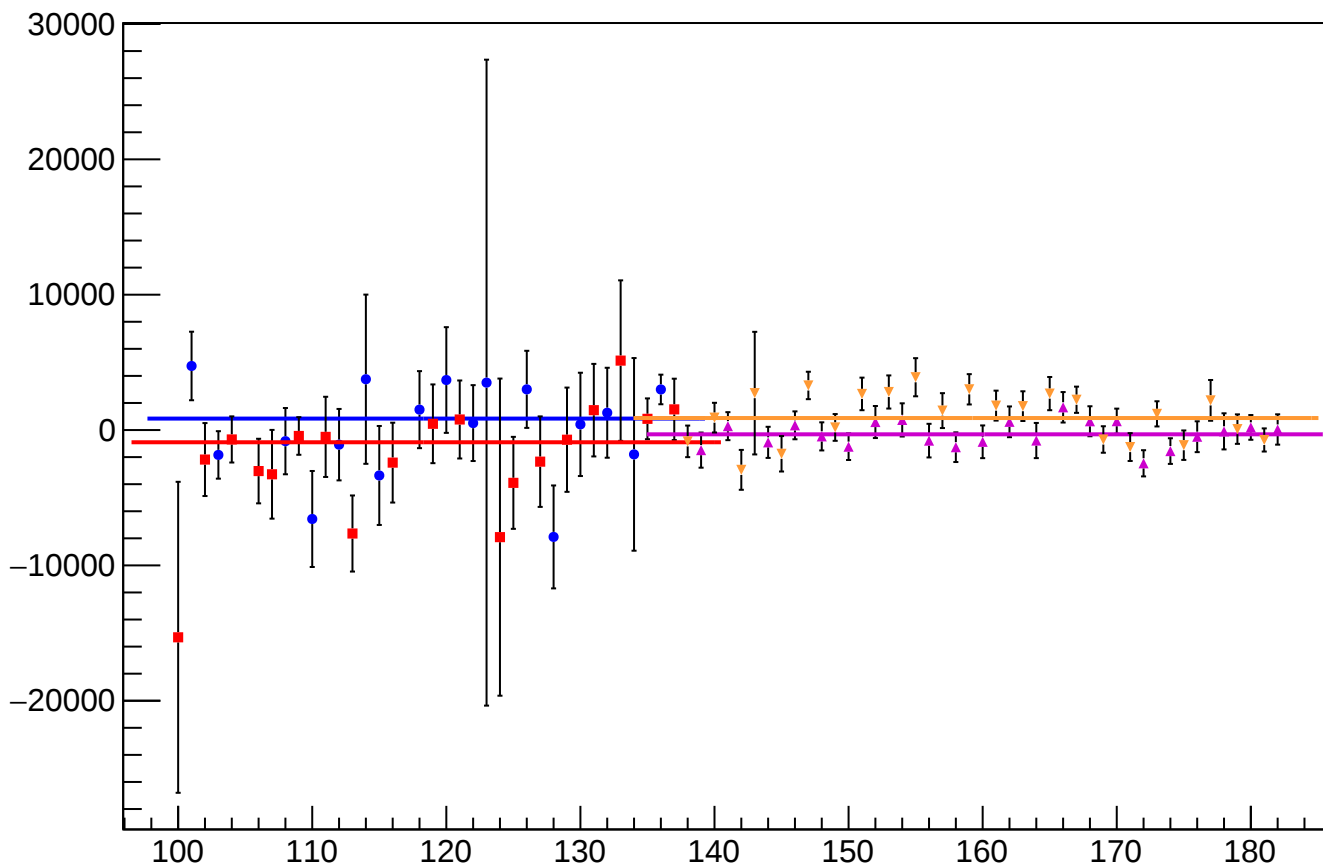
Right: 1620.489+/-0.318 χ^2/NDF : 840972.4/35

In: 1720.736+/-0.252 χ^2/NDF : 679145.2/38

Out: 1727.683+/-0.251 χ^2/NDF : 1134208.9/41

All: 1724.221+/-0.178 χ^2/NDF : 1813736.3/80

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 846.430 $\pm$ 632.780 χ^2 /NDF: 22.1/16

Left Out: 887.443 $\pm$ 236.128 χ^2 /NDF:53.1/22

Right Out: -903.032 $\pm$ 590.474 χ^2 /NDF: 15.1/18

Left In: -315.367 $\pm$ 233.287 χ^2 /NDF:18.0/21

Left: 278.759 $\pm$ 165.954 χ^2 /NDF: 84.3/44

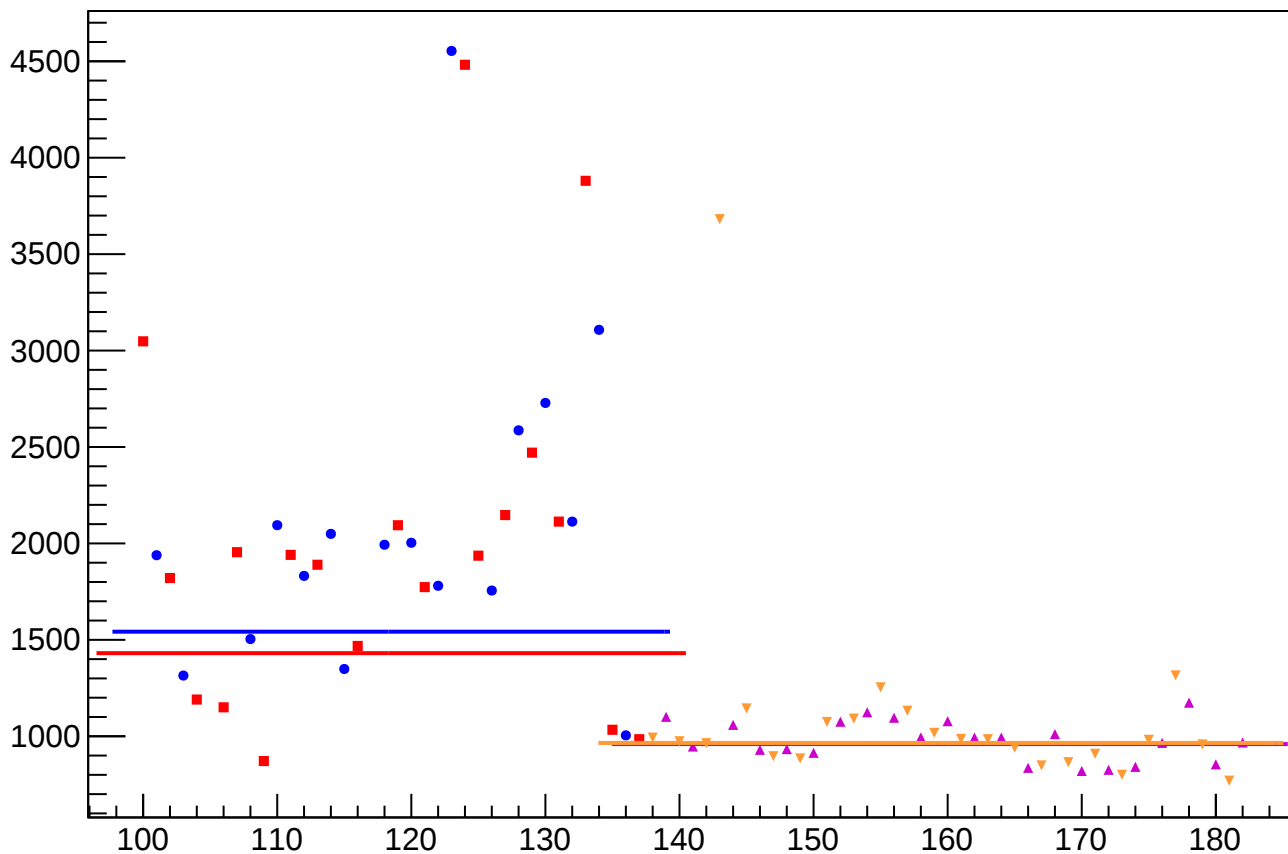
Right: -88.733 $\pm$ 431.710 χ^2 /NDF: 41.4/35

In: -176.353 $\pm$ 218.886 χ^2 /NDF:43.1/38

Out: 640.592 $\pm$ 219.247 χ^2 /NDF:76.2/41

All: 231.445 $\pm$ 154.903 χ^2 /NDF: 126.3/80

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.291 $\pm$ 0.447 χ^2 /NDF: 1293220.0/16

Left Out: 965.476 $\pm$ 0.167 χ^2 /NDF: 1274148.9/22

Right Out: 1430.966 $\pm$ 0.418 χ^2 /NDF: 1823025.4/18

Left In: 959.593 $\pm$ 0.165 χ^2 /NDF: 371108.5/21

Left: 962.499 $\pm$ 0.117 χ^2 /NDF: 1645885.5/44

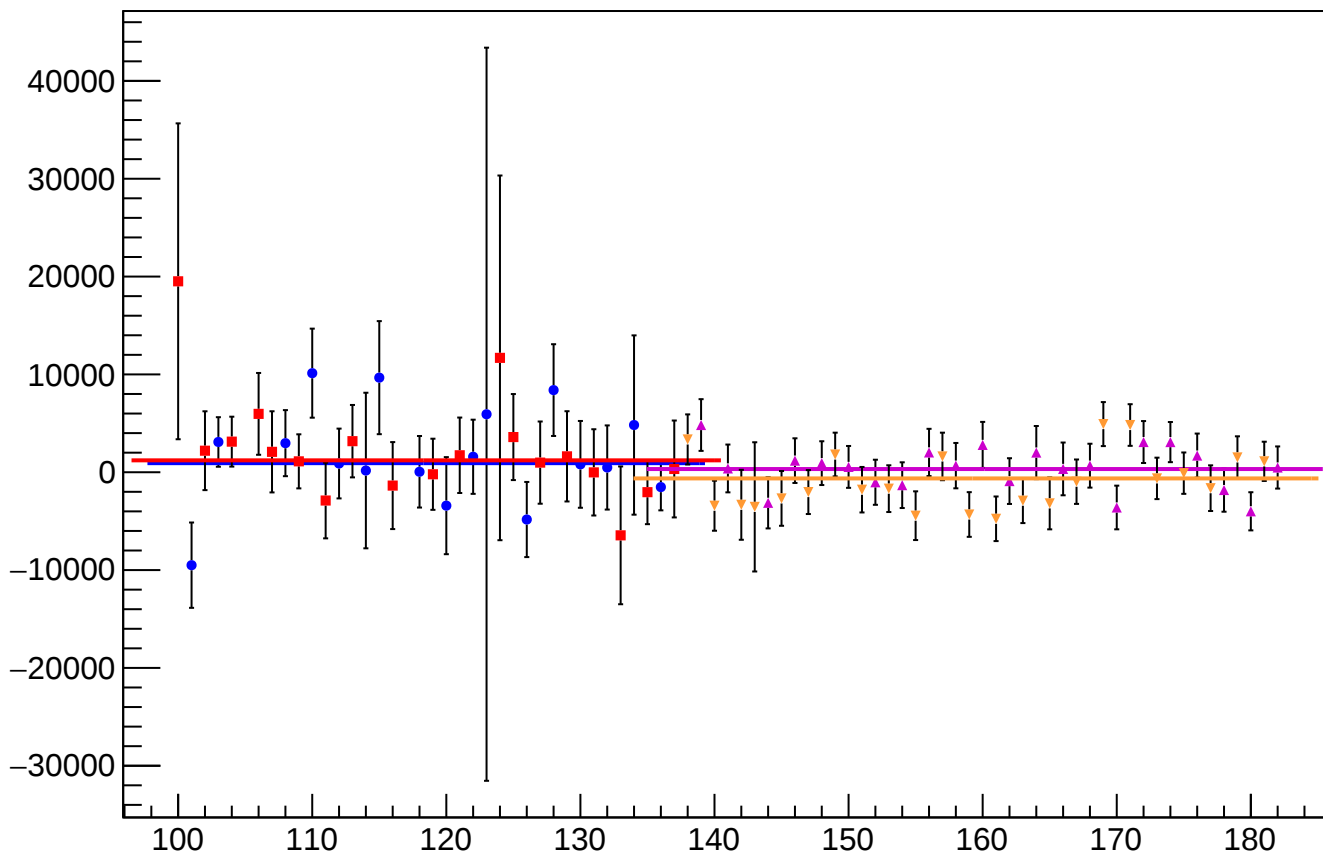
Right: 1482.783 $\pm$ 0.305 χ^2 /NDF: 3149335.4/35

In: 1029.316 $\pm$ 0.155 χ^2 /NDF: 3157345.8/38

Out: 1029.652 $\pm$ 0.155 χ^2 /NDF: 4168748.6/41

All: 1029.484 $\pm$ 0.110 χ^2 /NDF: 7326096.7/80

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 928.405 $\pm$ 970.555 χ^2/NDF : 20.1/16

Left Out: -631.202 $\pm$ 497.042 χ^2/NDF : 32.6/22

Right Out: 1216.382 $\pm$ 927.249 χ^2/NDF : 8.1/18

Left In: 327.685 $\pm$ 489.878 χ^2/NDF : 20.8/21

Left: -144.799 $\pm$ 348.901 χ^2/NDF : 55.3/44

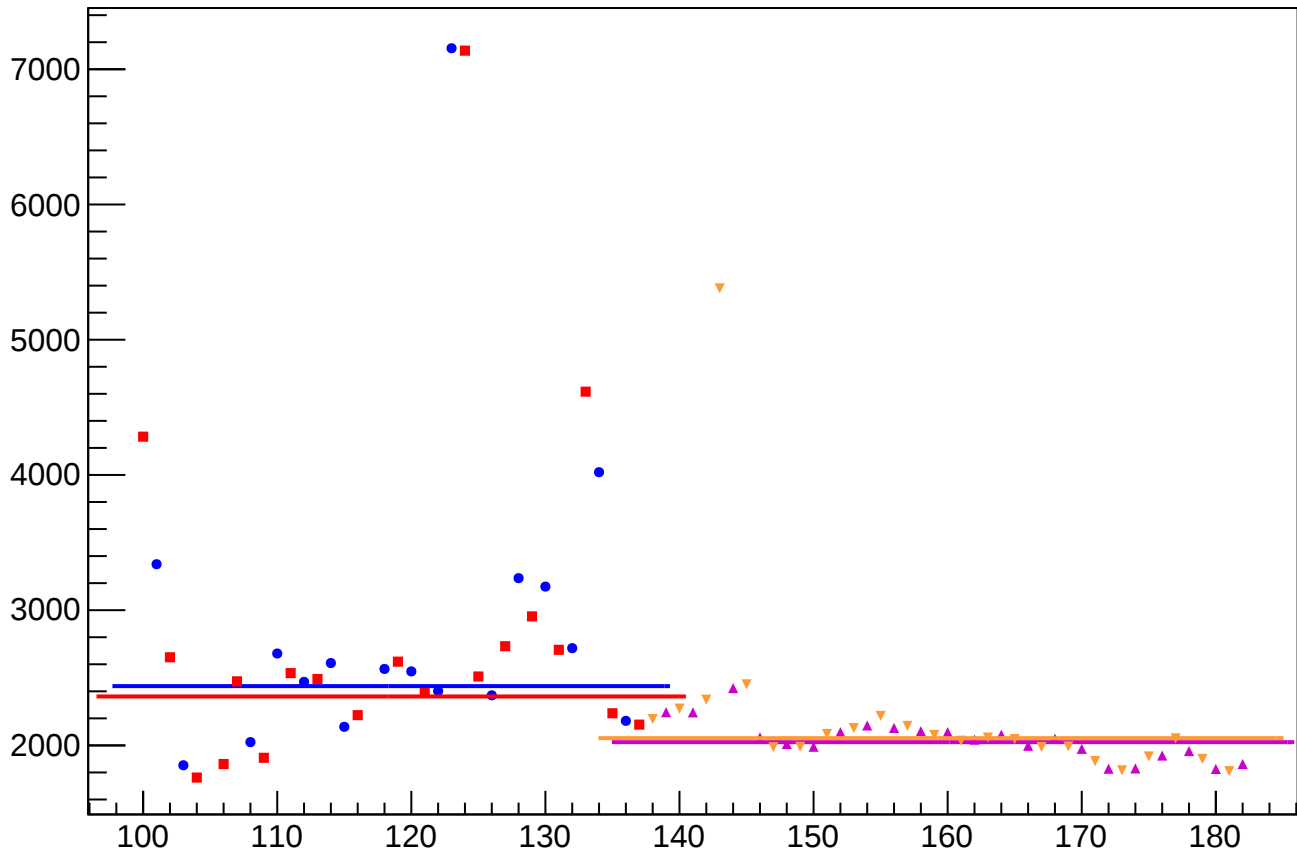
Right: 1078.961 $\pm$ 670.451 χ^2/NDF : 28.2/35

In: 449.653 $\pm$ 437.328 χ^2/NDF : 41.2/38

Out: -218.815 $\pm$ 438.073 χ^2/NDF : 43.8/41

All: 115.988 $\pm$ 309.501 χ^2/NDF : 86.1/80

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2438.478 $\pm$ 0.686 χ^2/NDF : 474942.5/16

Left Out: 2053.751 $\pm$ 0.351 χ^2/NDF : 687753.9/22

Right Out: 2362.082 $\pm$ 0.656 χ^2/NDF : 657383.2/18

Left In: 2024.190 $\pm$ 0.346 χ^2/NDF : 168626.6/21

Left: 2038.756 $\pm$ 0.247 χ^2/NDF : 859969.0/44

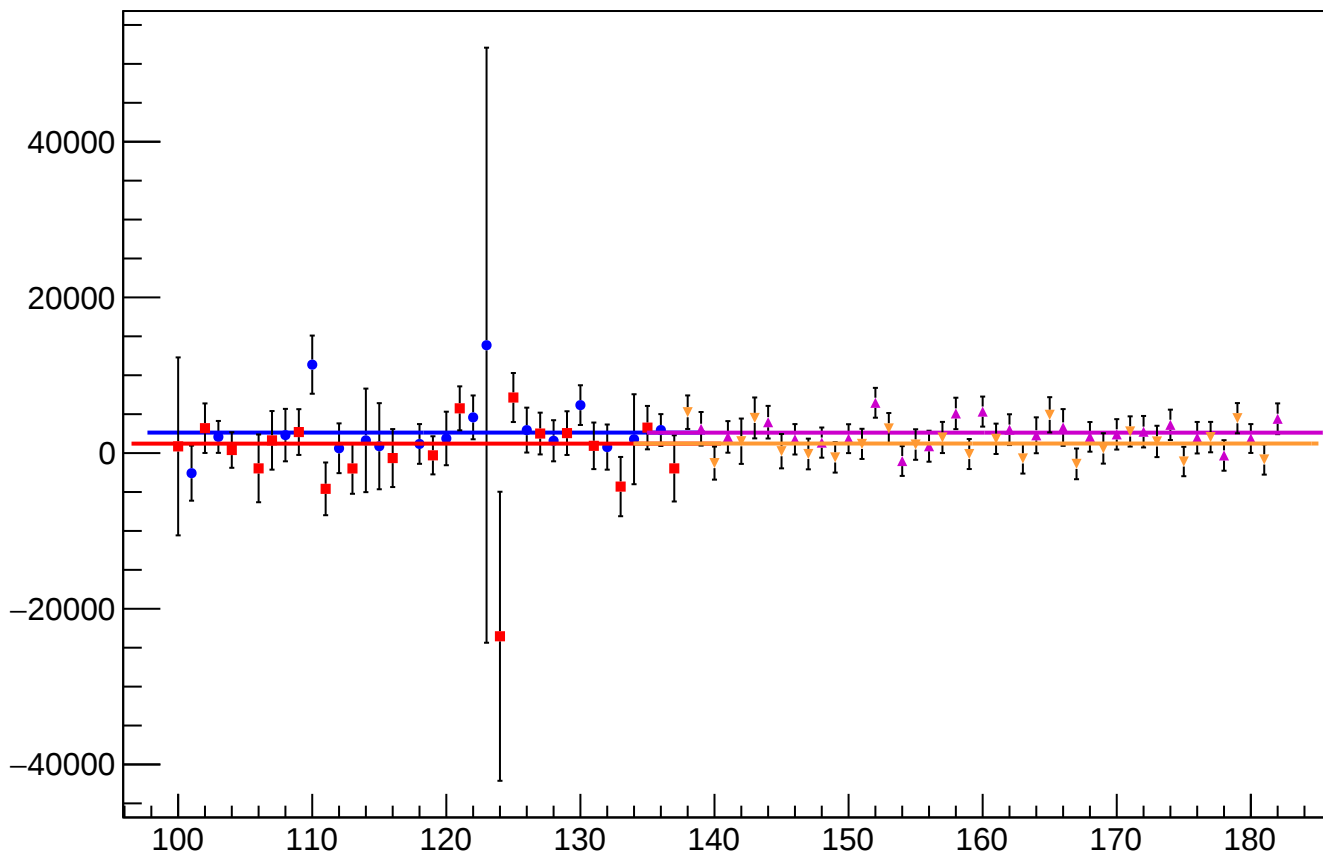
Right: 2398.537 $\pm$ 0.474 χ^2/NDF : 1138804.2/35

In: 2108.306 $\pm$ 0.309 χ^2/NDF : 933994.6/38

Out: 2122.572 $\pm$ 0.310 χ^2/NDF : 1516920.6/41

All: 2115.427 $\pm$ 0.219 χ^2/NDF : 2451977.6/80

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2633.941 $\pm$ 745.154 χ^2 /NDF: 11.7/16

Left Out: 1227.754 $\pm$ 424.479 χ^2 /NDF:21.4/22

Right Out: 1215.611 $\pm$ 741.742 χ^2 /NDF: 17.4/18

Left In: 2624.395 $\pm$ 425.073 χ^2 /NDF:17.0/21

Left: 1925.098 $\pm$ 300.362 χ^2 /NDF: 43.8/44

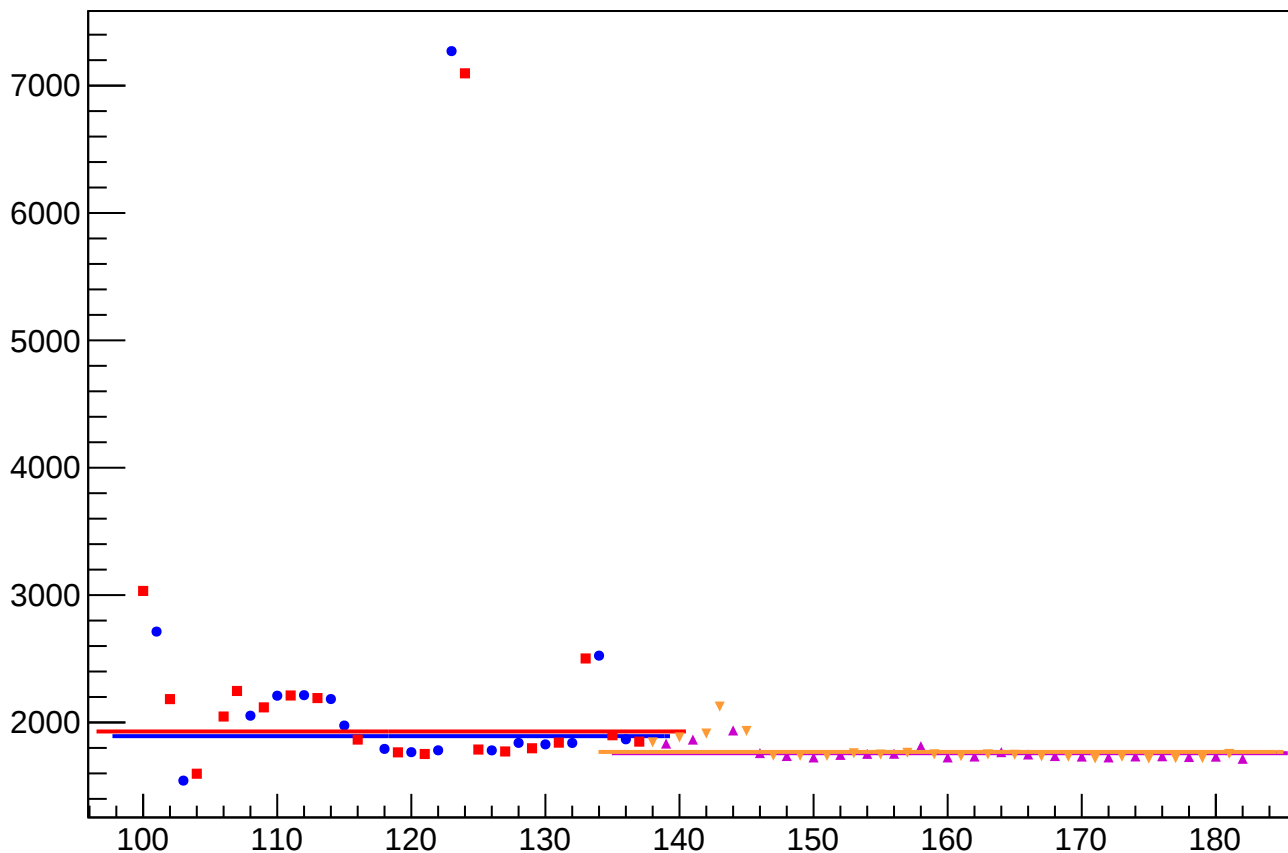
Right: 1921.521 $\pm$ 525.693 χ^2 /NDF: 31.0/35

In: 2626.739 $\pm$ 369.223 χ^2 /NDF:28.7/38

Out: 1224.759 $\pm$ 368.417 χ^2 /NDF:38.8/41

All: 1924.217 $\pm$ 260.794 χ^2 /NDF: 74.8/80

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1892.368+/-0.527 χ^2/NDF : 287730.3/16

Left Out: 1768.656+/-0.300 χ^2/NDF : 71430.3/22

Right Out: 1929.250+/-0.524 χ^2/NDF : 360280.1/18

Left In: 1758.524+/-0.301 χ^2/NDF : 29673.2/21

Left: 1763.597+/-0.212 χ^2/NDF : 101672.5/44

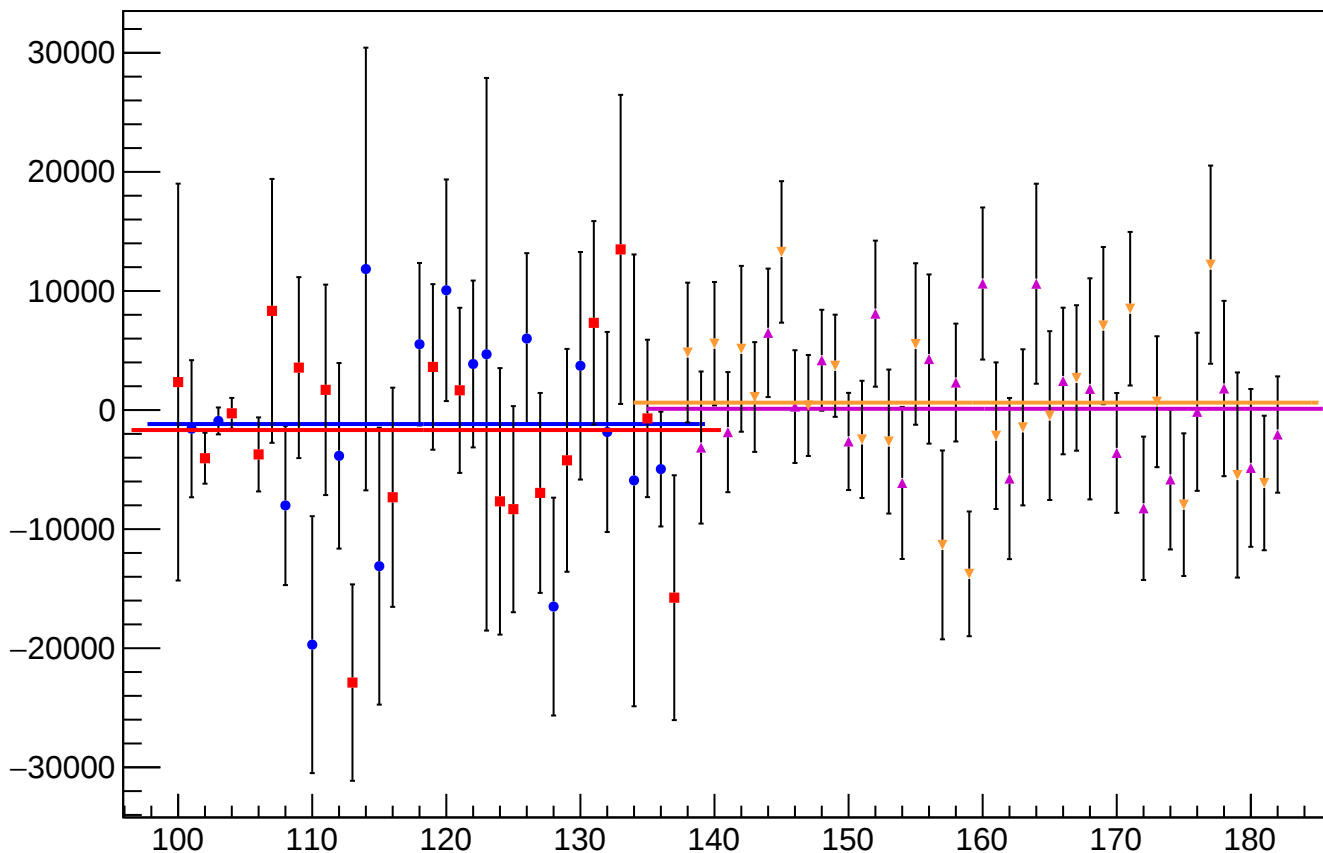
Right: 1910.923+/-0.371 χ^2/NDF : 650475.3/35

In: 1791.385+/-0.261 χ^2/NDF : 366087.7/38

Out: 1808.369+/-0.260 χ^2/NDF : 502502.5/41

All: 1799.899+/-0.184 χ^2/NDF : 870711.7/80

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1175.288 $\pm$ 985.256 χ^2 /NDF: 13.5/16

Left Out: 622.442 $\pm$ 1213.998 χ^2 /NDF:26.7/22

Right Out: -1679.065 $\pm$ 942.057 χ^2 /NDF: 17.8/18

Left In: 105.056 $\pm$ 1221.035 χ^2 /NDF:15.9/21

Left: 365.244 $\pm$ 860.904 χ^2 /NDF: 42.7/44

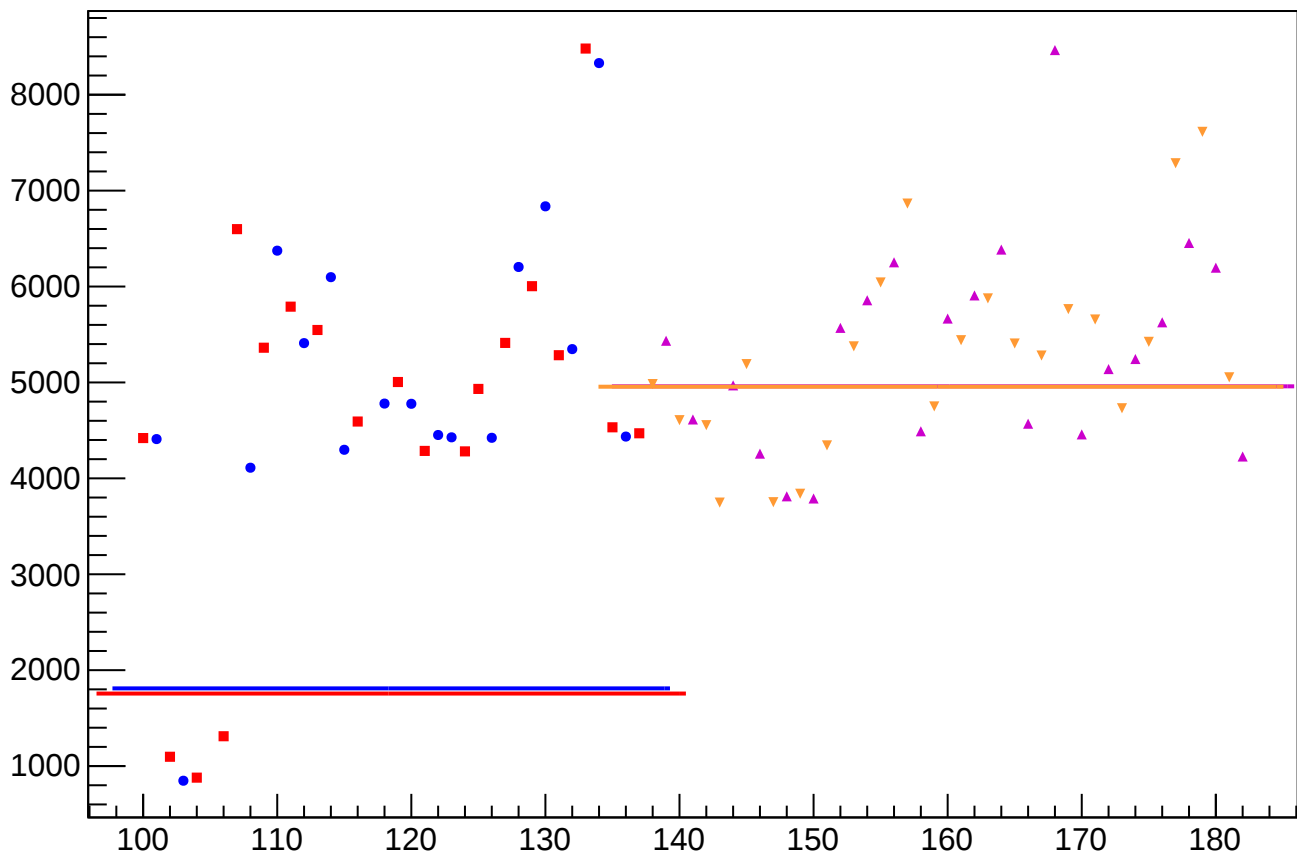
Right: -1438.462 $\pm$ 680.895 χ^2 /NDF: 31.5/35

In: -670.397 $\pm$ 766.767 χ^2 /NDF:30.0/38

Out: -814.052 $\pm$ 744.257 χ^2 /NDF:46.8/41

All: -744.364 $\pm$ 534.050 χ^2 /NDF: 76.9/80

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1810.087 $\pm$ 0.697 χ^2 /NDF: 6438570.3/16

Left Out: 4955.487 $\pm$ 0.858 χ^2 /NDF:1146569.6/22

Right Out: 1756.198 $\pm$ 0.666 χ^2 /NDF: 6295444.5/18

Left In: 4959.484 $\pm$ 0.863 χ^2 /NDF:1176931.7/21

Left: 4957.474 $\pm$ 0.609 χ^2 /NDF: 2323512.1/44

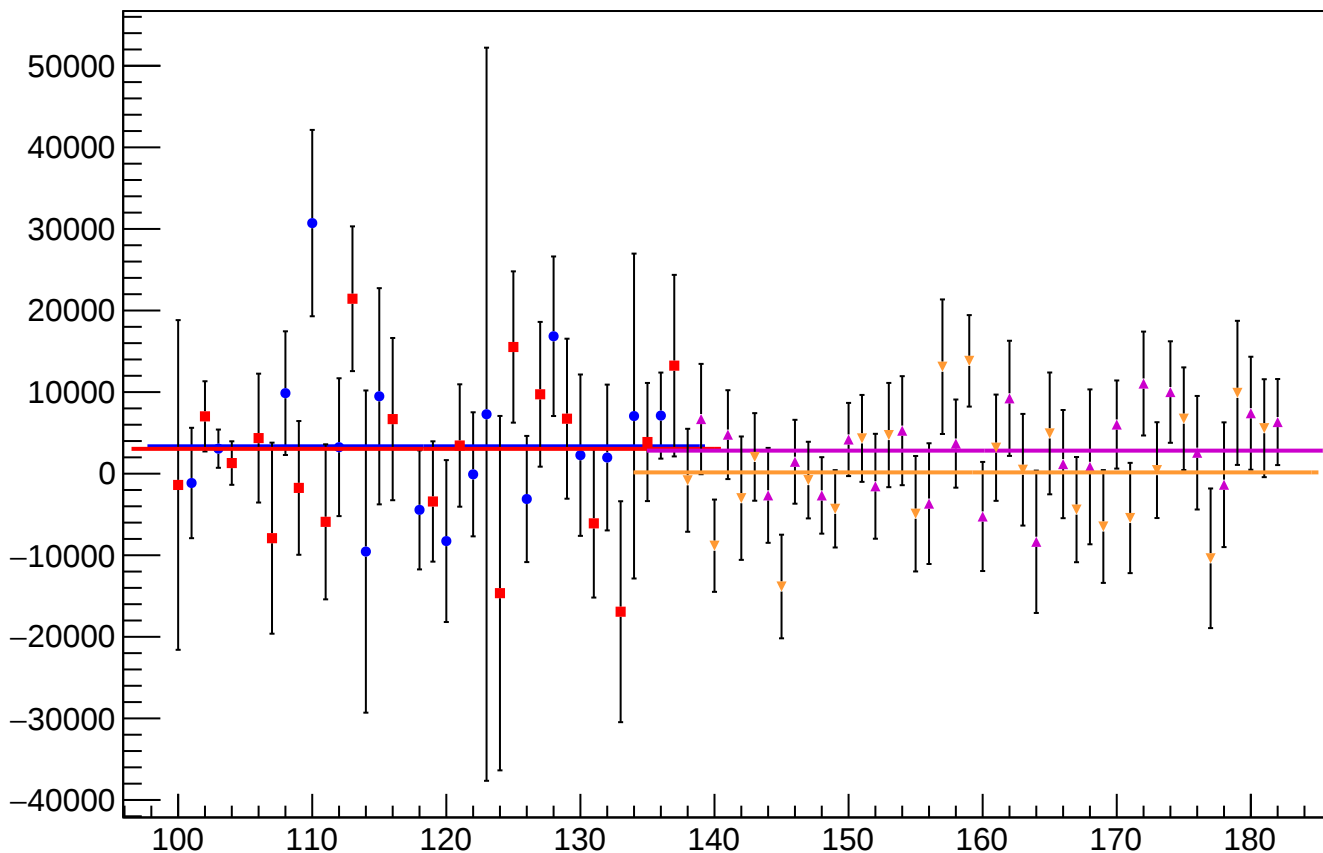
Right: 1781.935 $\pm$ 0.481 χ^2 /NDF: 12737140.4/35

In: 3052.019 $\pm$ 0.542 χ^2 /NDF:15674060.7/38

Out: 2958.638 $\pm$ 0.526 χ^2 /NDF:16111480.2/41

All: 3003.938 $\pm$ 0.378 χ^2 /NDF: 31800814.3/8

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3354.333+/-1609.286 χ^2/NDF : 13.5/16

Left Out: 155.991+/-1304.575 χ^2/NDF : 26.1/22

Right Out: 3042.258+/-1608.040 χ^2/NDF : 15.9/18

Left In: 2823.959+/-1306.366 χ^2/NDF : 12.8/21

Left: 1488.145+/-923.107 χ^2/NDF : 41.0/44

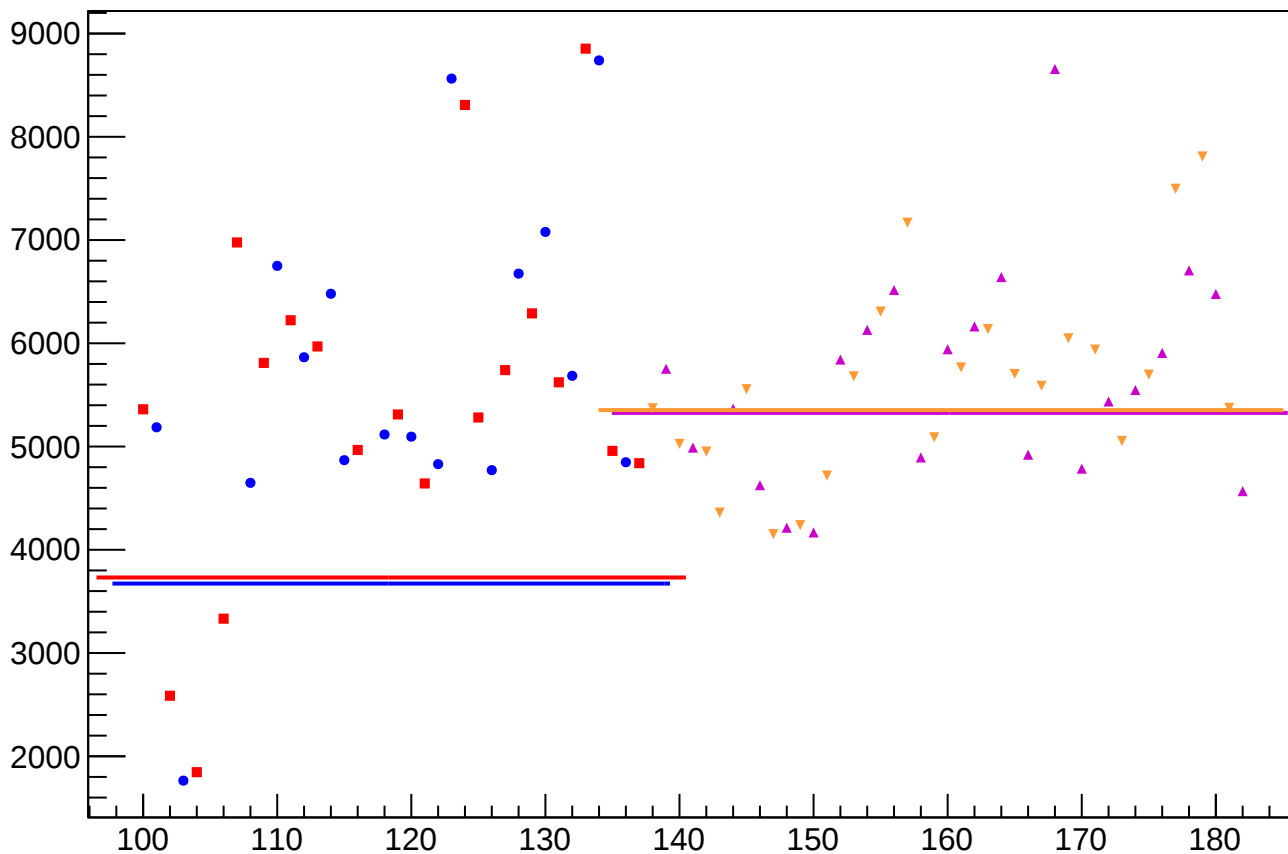
Right: 3198.175+/-1137.496 χ^2/NDF : 29.4/35

In: 3034.632+/-1014.253 χ^2/NDF : 26.4/38

Out: 1301.634+/-1013.102 χ^2/NDF : 43.9/41

All: 2167.150+/-716.778 χ^2/NDF : 71.7/80

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3672.737 $\pm$ 1.138 χ^2 /NDF: 2780170.9/16

Left Out: 5352.953 $\pm$ 0.922 χ^2 /NDF: 863420.5/22

Right Out: 3731.692 $\pm$ 1.129 χ^2 /NDF: 2692478.3/18

Left In: 5325.956 $\pm$ 0.924 χ^2 /NDF: 947999.7/21

Left: 5339.473 $\pm$ 0.653 χ^2 /NDF: 1811847.8/44

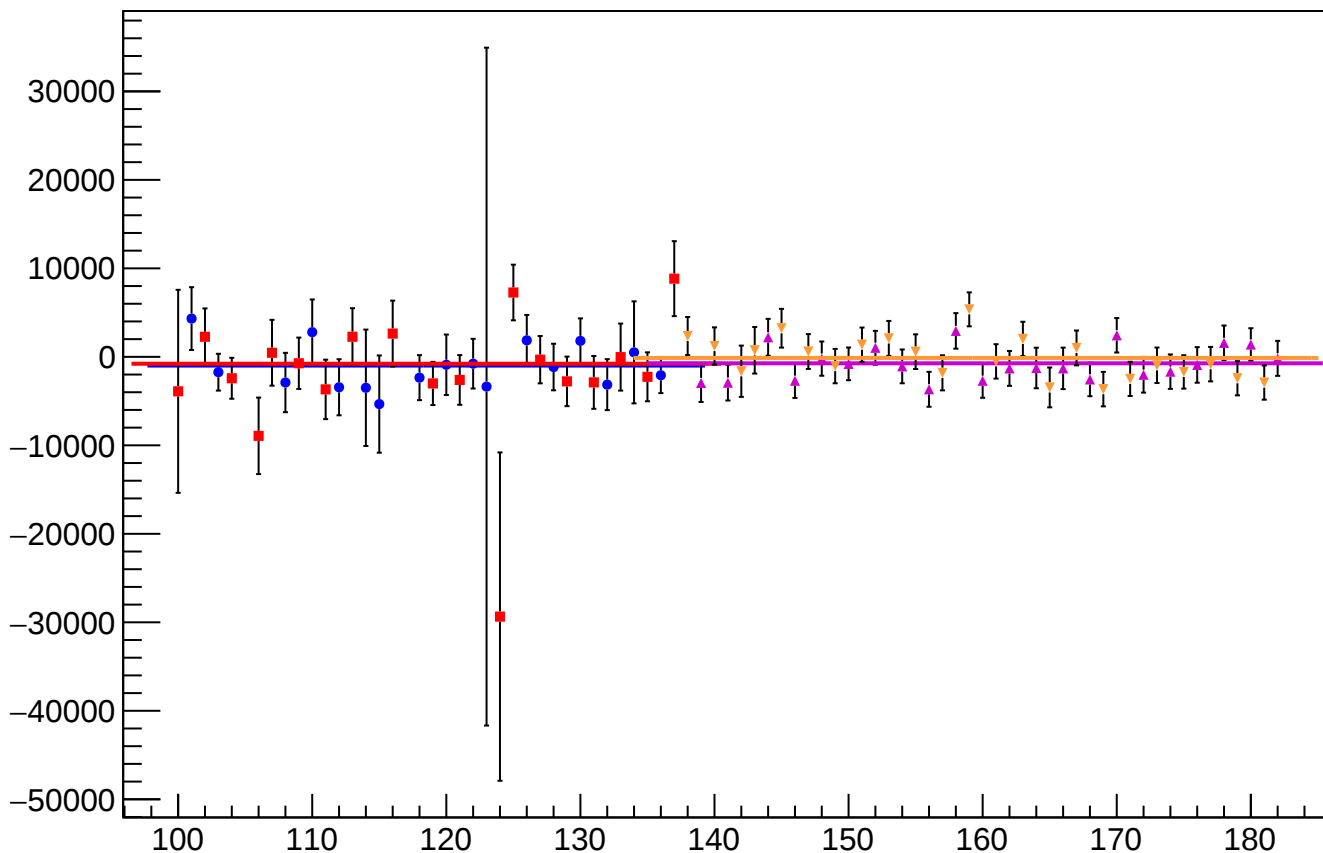
Right: 3702.434 $\pm$ 0.802 χ^2 /NDF: 5474001.3/35

In: 4669.272 $\pm$ 0.717 χ^2 /NDF: 5000462.5/38

Out: 4704.236 $\pm$ 0.714 χ^2 /NDF: 4791847.1/41

All: 4686.820 $\pm$ 0.506 χ^2 /NDF: 9793502.4/80

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -984.395+/-742.831 χ^2/NDF : 8.5/16

Left Out: -124.084+/-422.800 χ^2/NDF :28.8/22

Right Out: -778.348+/-739.635 χ^2/NDF : 24.3/18

Left In: -730.422+/-423.441 χ^2/NDF :20.0/21

Left: -426.794+/-299.191 χ^2/NDF : 49.8/44

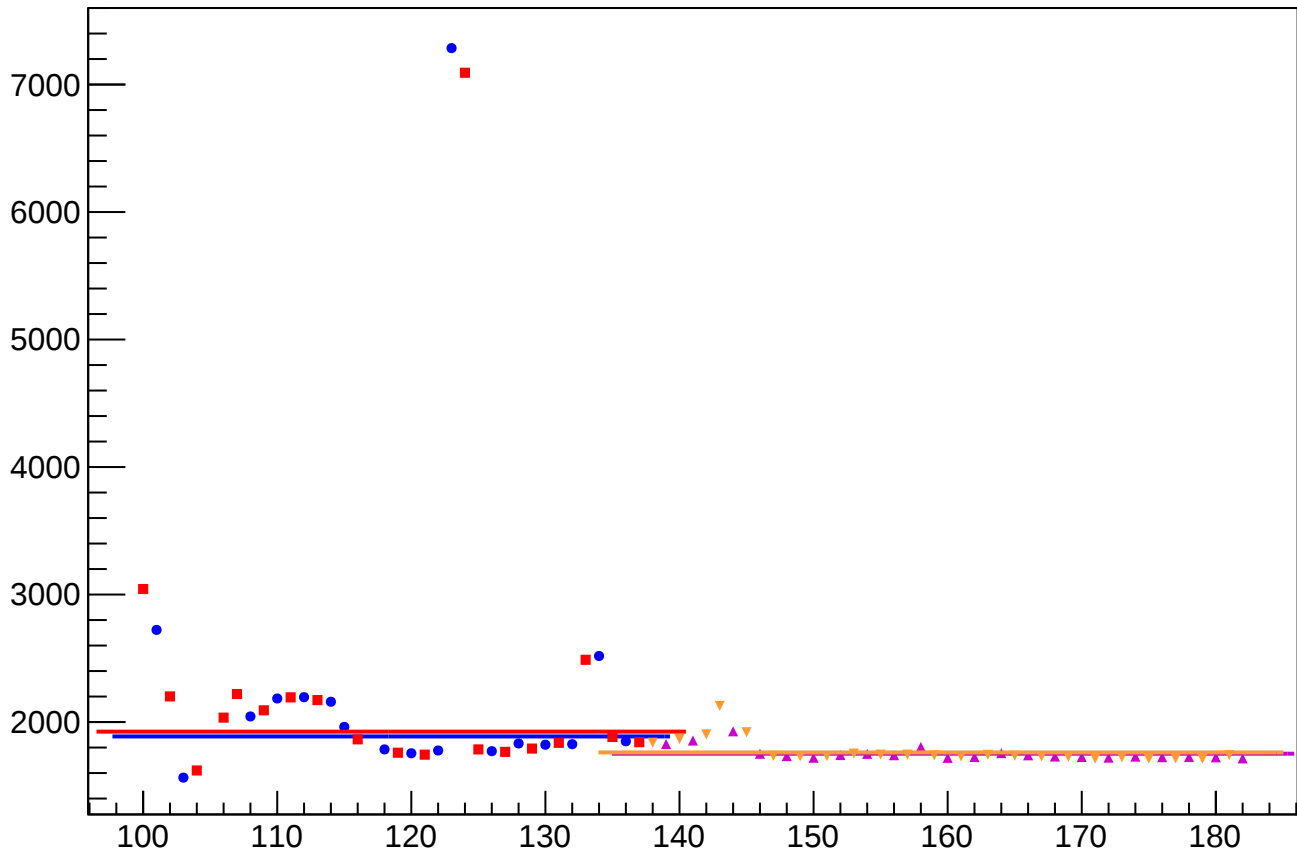
Right: -880.928+/-524.127 χ^2/NDF : 32.9/35

In: -792.709+/-367.870 χ^2/NDF :28.6/38

Out: -285.220+/-367.061 χ^2/NDF :53.7/41

All: -538.406+/-259.837 χ^2/NDF : 83.2/80

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1887.042 $\pm$ 0.525 χ^2 /NDF: 279163.5/16

Left Out: 1761.706 $\pm$ 0.299 χ^2 /NDF: 71155.6/22

Right Out: 1924.813 $\pm$ 0.522 χ^2 /NDF: 349556.4/18

Left In: 1751.804 $\pm$ 0.299 χ^2 /NDF: 28478.4/21

Left: 1756.763 $\pm$ 0.212 χ^2 /NDF: 100181.6/44

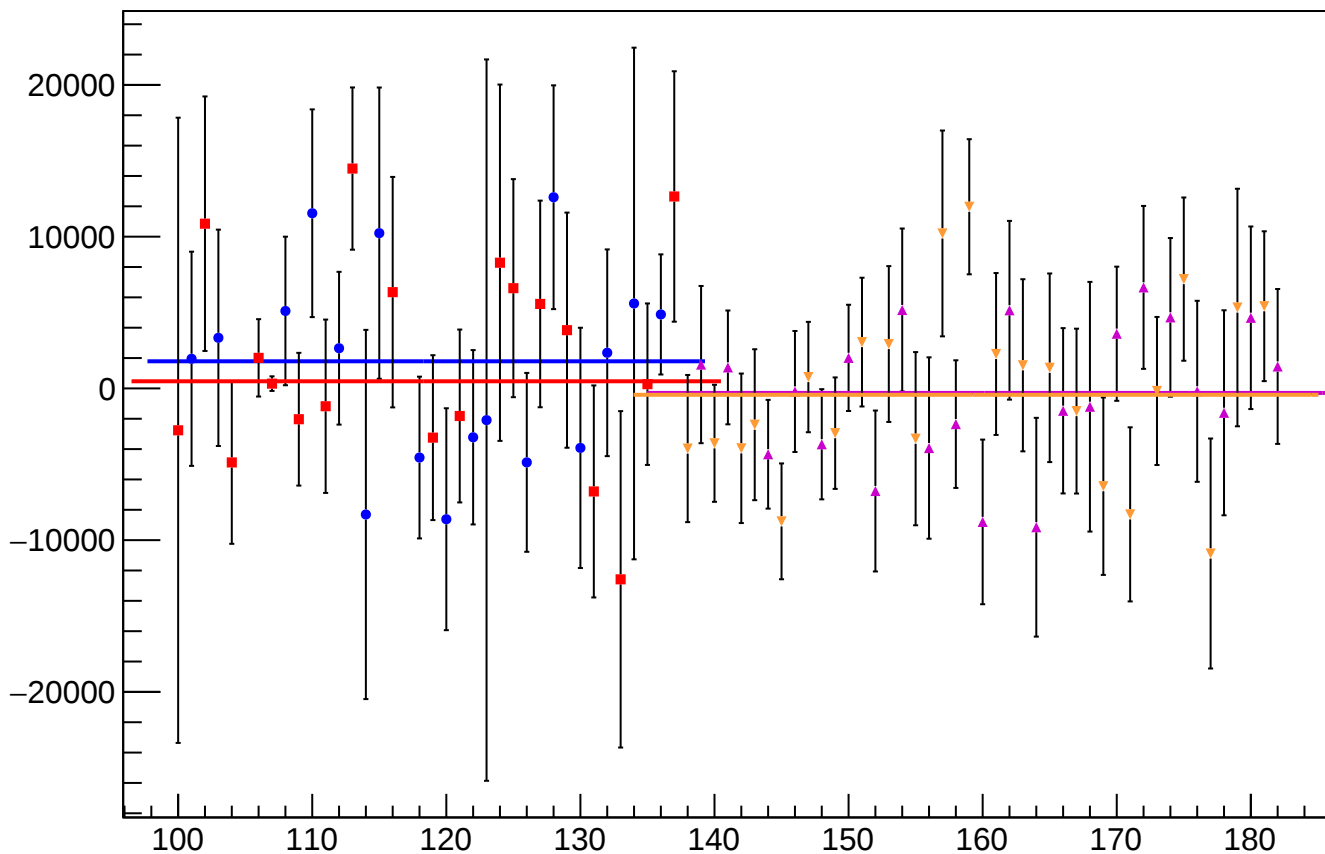
Right: 1906.038 $\pm$ 0.370 χ^2 /NDF: 631320.5/35

In: 1784.971 $\pm$ 0.260 χ^2 /NDF: 357673.8/38

Out: 1801.972 $\pm$ 0.259 χ^2 /NDF: 494192.9/41

All: 1793.494 $\pm$ 0.184 χ^2 /NDF: 854007.9/80

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1787.135+/-1585.326 χ^2/NDF : 12.9/16

Left Out: -421.329+/-1029.738 χ^2/NDF : 28.1/22

Right Out: 469.568+/-453.765 χ^2/NDF : 18.1/18

Left In: -297.895+/-1036.748 χ^2/NDF : 15.1/21

Left: -360.031+/-730.601 χ^2/NDF : 43.2/44

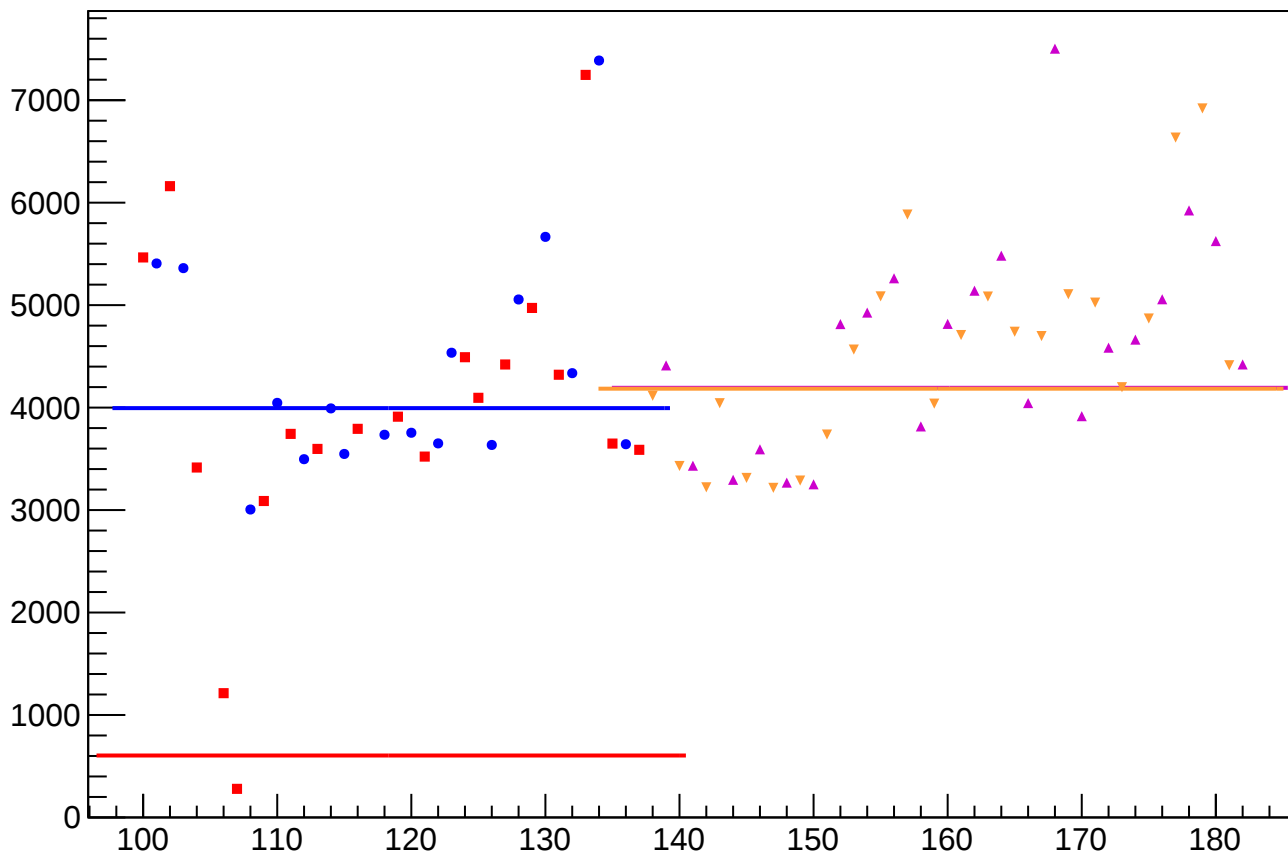
Right: 569.338+/-436.247 χ^2/NDF : 31.6/35

In: 326.693+/-867.679 χ^2/NDF : 29.2/38

Out: 324.703+/-415.237 χ^2/NDF : 46.8/41

All: 325.074+/-374.556 χ^2/NDF : 76.0/80

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3994.850+/-1.121 χ^2 /NDF: 514121.6/16

Left Out: 4184.580+/-0.728 χ^2 /NDF:1416846.4/22

Right Out: 604.597+/-0.321 χ^2 /NDF: 10213257.4/18

Left In: 4193.121+/-0.733 χ^2 /NDF:1468896.7/21

Left: 4188.822+/-0.517 χ^2 /NDF: 2885811.4/44

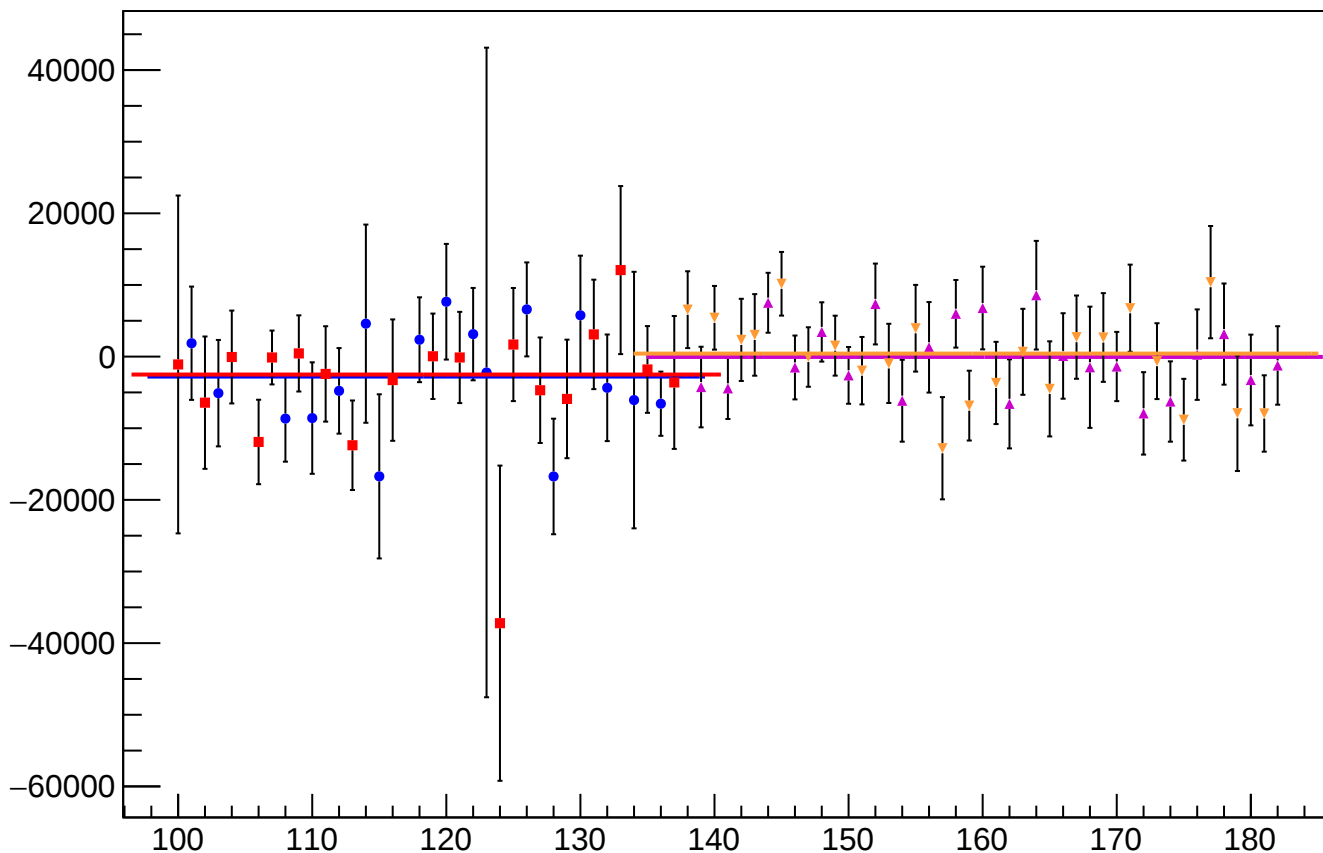
Right: 861.317+/-0.308 χ^2 /NDF: 19181318.3/35

In: 4133.728+/-0.614 χ^2 /NDF:2004930.4/38

Out: 1186.726+/-0.294 χ^2 /NDF:31872765.2/41

All: 1735.880+/-0.265 χ^2 /NDF: 52649820.3/8

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2785.964+/-1791.352 χ^2/NDF : 14.0/16

Left Out: 420.164+/-1135.205 χ^2/NDF : 24.3/22

Right Out: -2505.806+/-1577.964 χ^2/NDF : 11.5/18

Left In: -45.955+/-1138.539 χ^2/NDF : 18.2/21

Left: 187.788+/-803.887 χ^2/NDF : 42.6/44

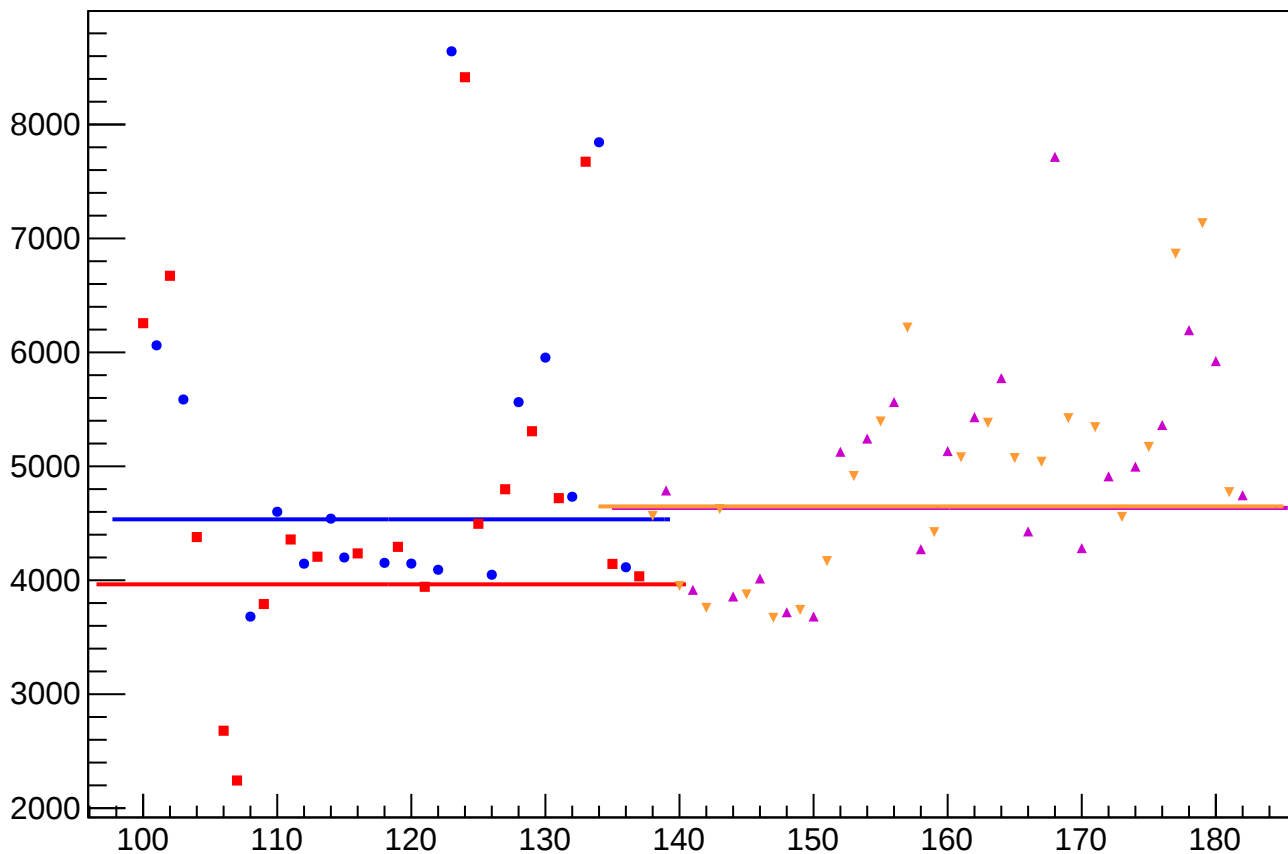
Right: -2628.213+/-1184.083 χ^2/NDF : 25.5/35

In: -834.329+/-960.885 χ^2/NDF : 33.8/38

Out: -577.721+/-921.515 χ^2/NDF : 38.1/41

All: -700.661+/-665.092 χ^2/NDF : 72.0/80

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4534.748 $\pm$ 1.267 χ^2 /NDF: 393206.7/16

Left Out: 4648.249 $\pm$ 0.803 χ^2 /NDF:1004821.3/22

Right Out: 3964.264 $\pm$ 1.109 χ^2 /NDF: 1142035.1/18

Left In: 4634.710 $\pm$ 0.805 χ^2 /NDF:1064283.4/21

Left: 4641.500 $\pm$ 0.568 χ^2 /NDF: 2069246.6/44

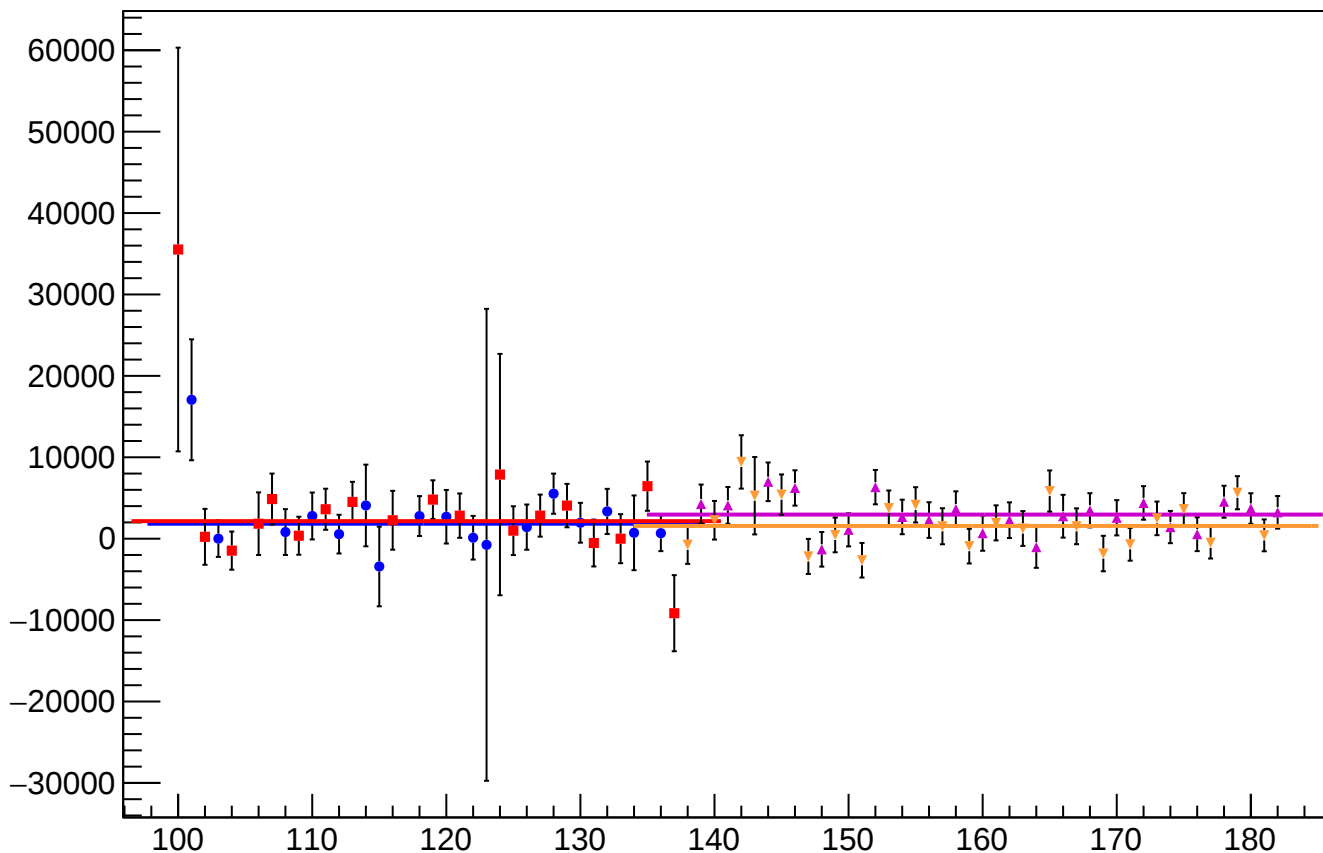
Right: 4211.715 $\pm$ 0.834 χ^2 /NDF: 1650099.0/35

In: 4605.948 $\pm$ 0.679 χ^2 /NDF:1461926.1/38

Out: 4412.998 $\pm$ 0.650 χ^2 /NDF:2396580.6/41

All: 4505.227 $\pm$ 0.470 χ^2 /NDF: 3900603.9/80

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1842.914 $\pm$ 713.221 χ^2/NDF : 10.3/16

Left Out: 1566.320 $\pm$ 462.064 χ^2/NDF : 34.3/22

Right Out: 2154.577 $\pm$ 686.055 χ^2/NDF : 18.6/18

Left In: 2960.157 $\pm$ 457.937 χ^2/NDF : 20.4/21

Left: 2269.491 $\pm$ 325.260 χ^2/NDF : 59.3/44

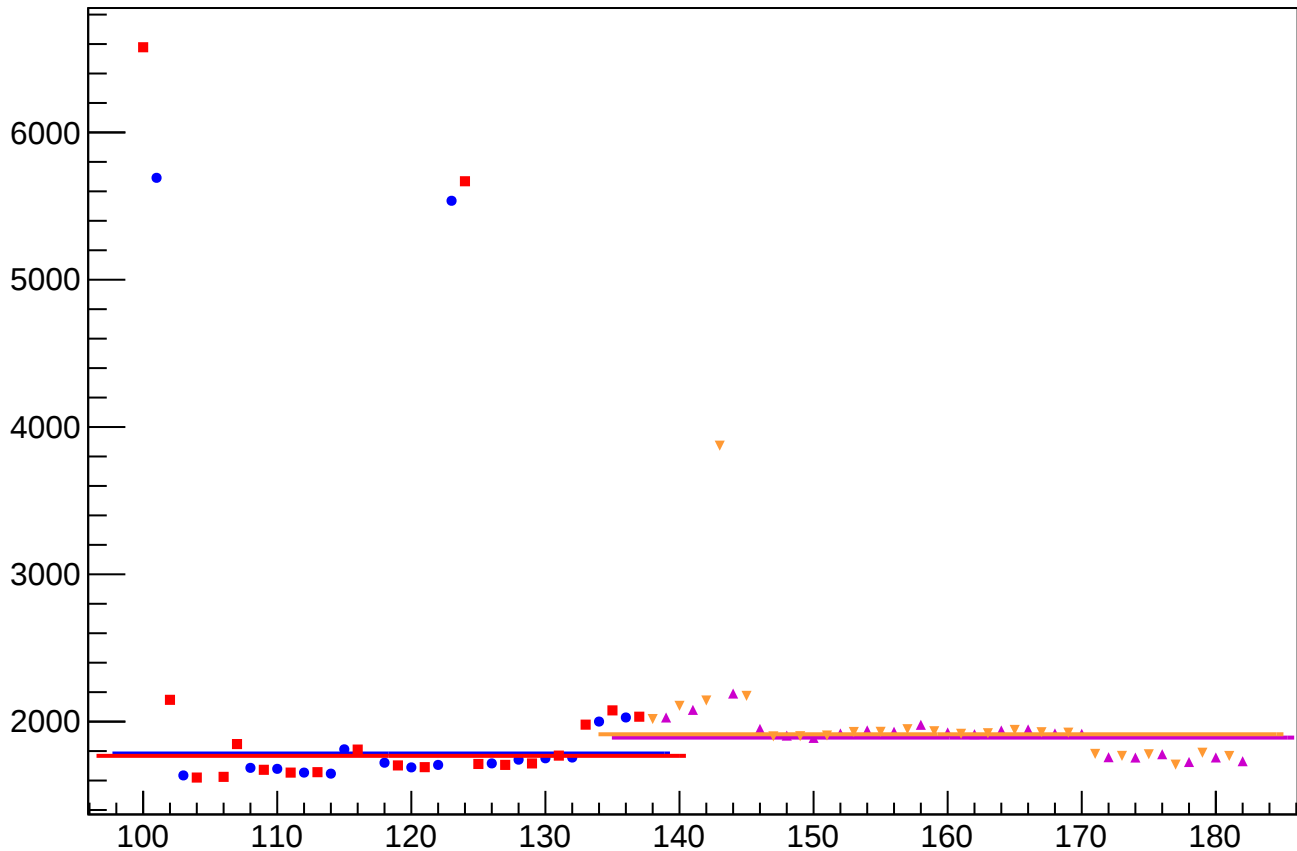
Right: 2004.794 $\pm$ 494.439 χ^2/NDF : 28.9/35

In: 2634.021 $\pm$ 385.345 χ^2/NDF : 32.4/38

Out: 1749.891 $\pm$ 383.246 χ^2/NDF : 53.3/41

All: 2189.542 $\pm$ 271.735 χ^2/NDF : 88.4/80

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1783.480+/-0.504 χ^2/NDF : 644626.7/16

Left Out: 1914.051+/-0.327 χ^2/NDF : 460228.9/22

Right Out: 1767.629+/-0.482 χ^2/NDF : 306027.2/18

Left In: 1891.457+/-0.324 χ^2/NDF : 123111.9/21

Left: 1902.653+/-0.230 χ^2/NDF : 585753.4/44

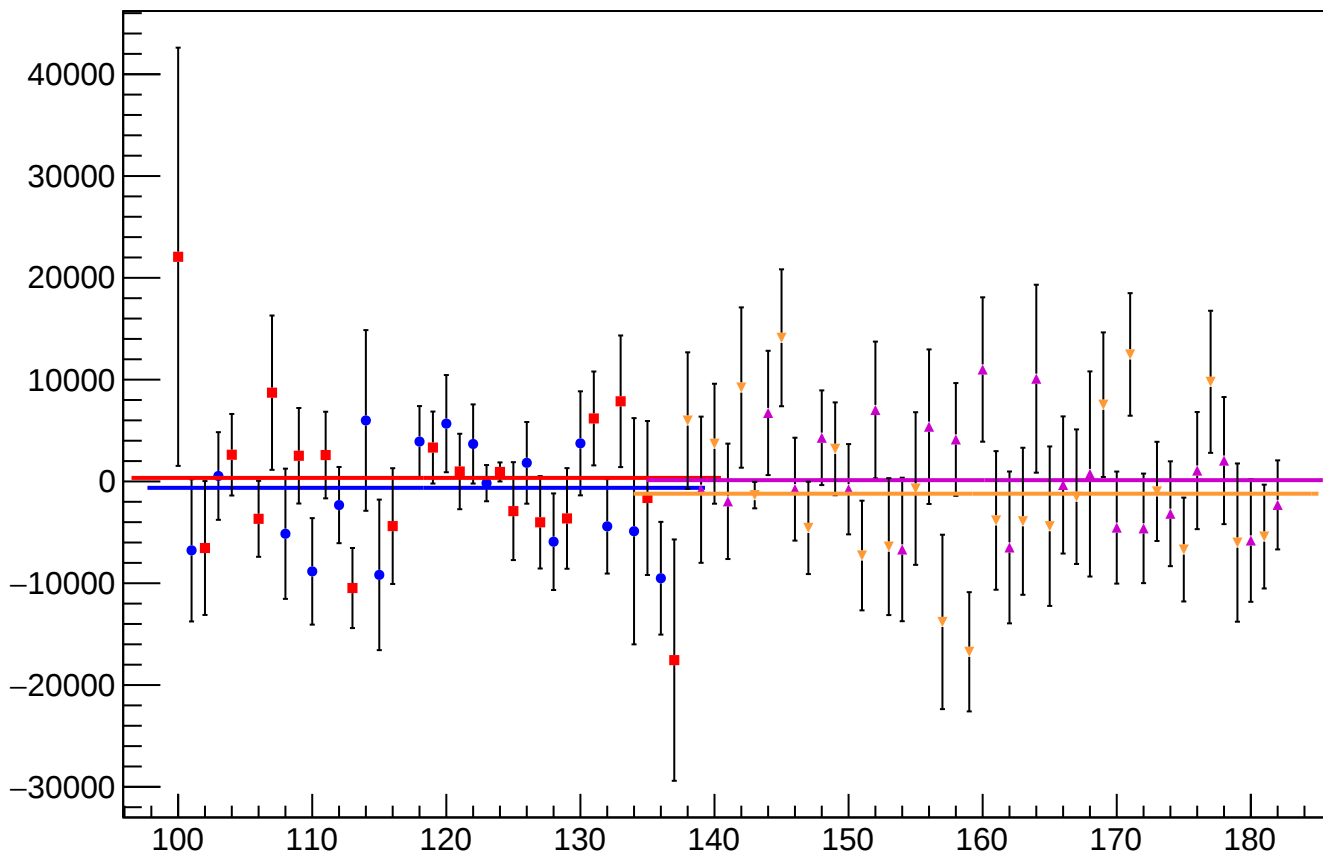
Right: 1775.193+/-0.348 χ^2/NDF : 951170.4/35

In: 1859.937+/-0.272 χ^2/NDF : 800197.2/38

Out: 1867.924+/-0.270 χ^2/NDF : 829525.1/41

All: 1863.961+/-0.192 χ^2/NDF : 1630155.1/80

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -628.255+/-1010.986 χ^2/NDF : 16.4/16

Left Out: -1203.309+/-920.855 χ^2/NDF : 33.2/22

Right Out: 347.826+/-725.877 χ^2/NDF : 22.1/18

Left In: 126.260+/-1261.563 χ^2/NDF : 12.8/21

Left: -741.152+/-743.787 χ^2/NDF : 46.7/44

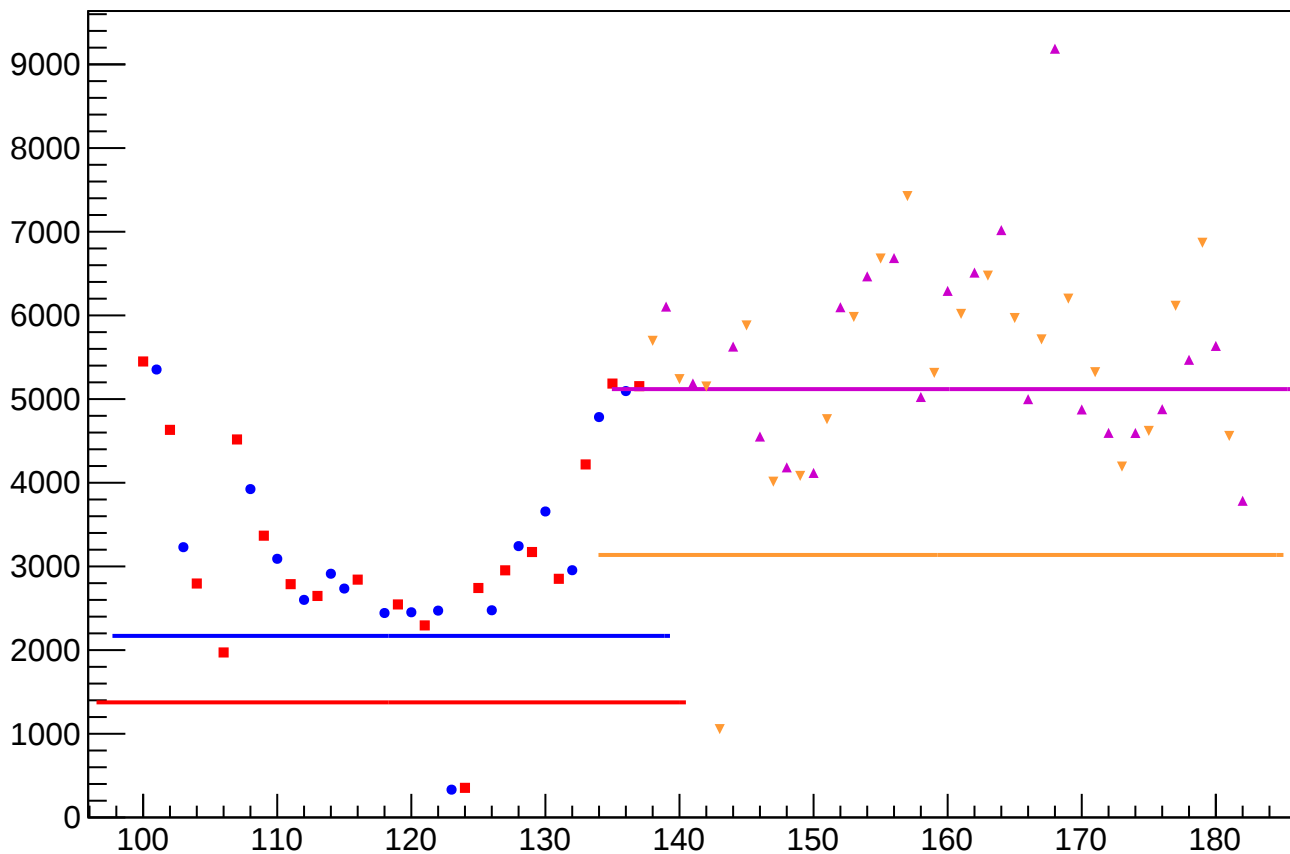
Right: 15.807+/-589.636 χ^2/NDF : 39.1/35

In: -333.193+/-788.918 χ^2/NDF : 29.4/38

Out: -246.621+/-570.063 χ^2/NDF : 57.1/41

All: -276.318+/-462.058 χ^2/NDF : 86.5/80

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2169.912 $\pm$ 0.715 χ^2 /NDF: 3978081.8/16

Left Out: 3137.189 $\pm$ 0.651 χ^2 /NDF: 11298476.3/22

Right Out: 1375.364 $\pm$ 0.513 χ^2 /NDF: 6838676.6/18

Left In: 5119.149 $\pm$ 0.892 χ^2 /NDF: 1251490.2/21

Left: 3826.117 $\pm$ 0.526 χ^2 /NDF: 15770412.5/44

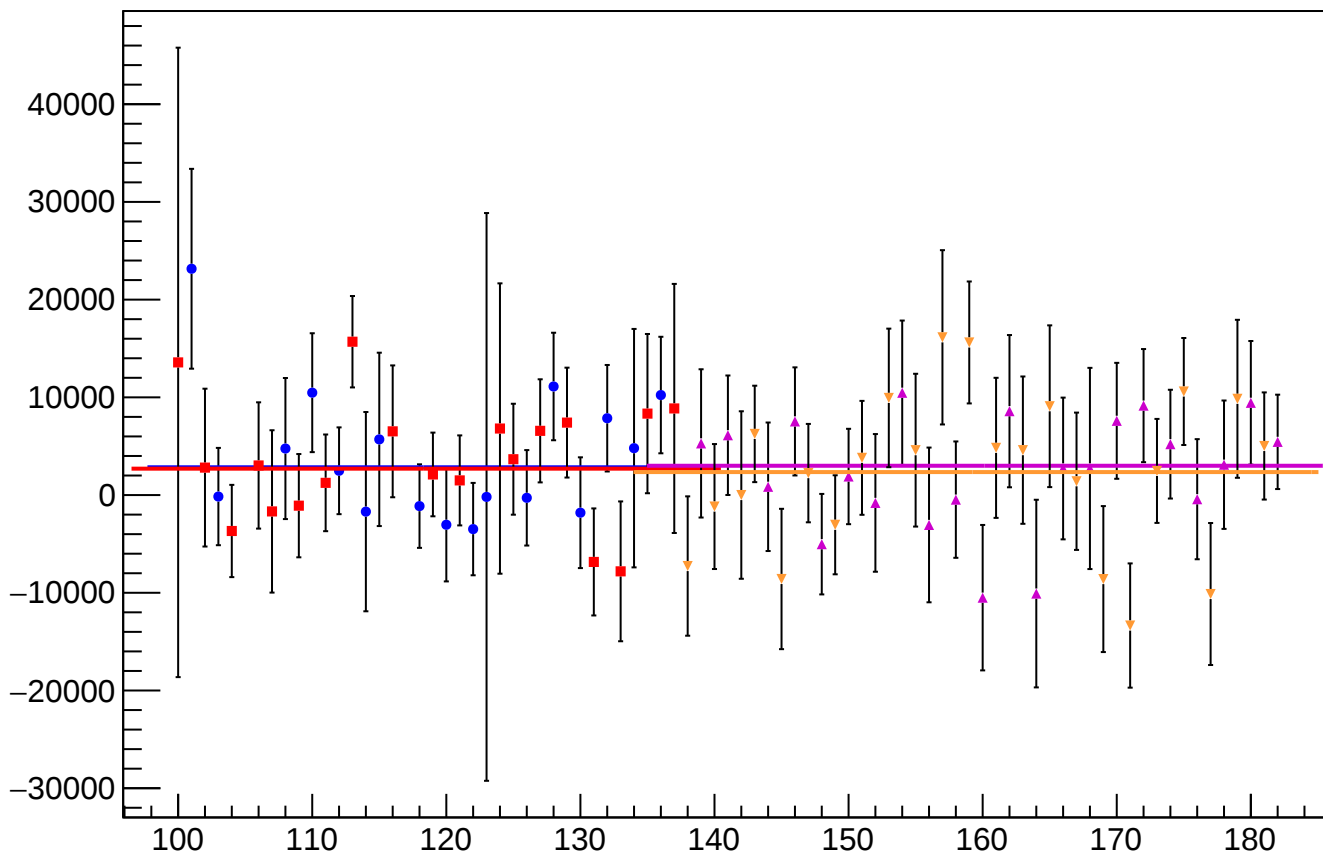
Right: 1645.633 $\pm$ 0.417 χ^2 /NDF: 11631878.4/35

In: 3323.246 $\pm$ 0.558 χ^2 /NDF: 11885437.2/38

Out: 2050.555 $\pm$ 0.403 χ^2 /NDF: 22652527.3/41

All: 2487.124 $\pm$ 0.327 χ^2 /NDF: 37957437.7/8

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2842.572+/-1452.178 χ^2/NDF : 15.7/16

Left Out: 2352.687+/-1346.778 χ^2/NDF : 29.9/22

Right Out: 2702.572+/-1382.936 χ^2/NDF : 18.2/18

Left In: 2999.567+/-1355.459 χ^2/NDF : 15.0/21

Left: 2674.049+/-955.370 χ^2/NDF : 45.1/44

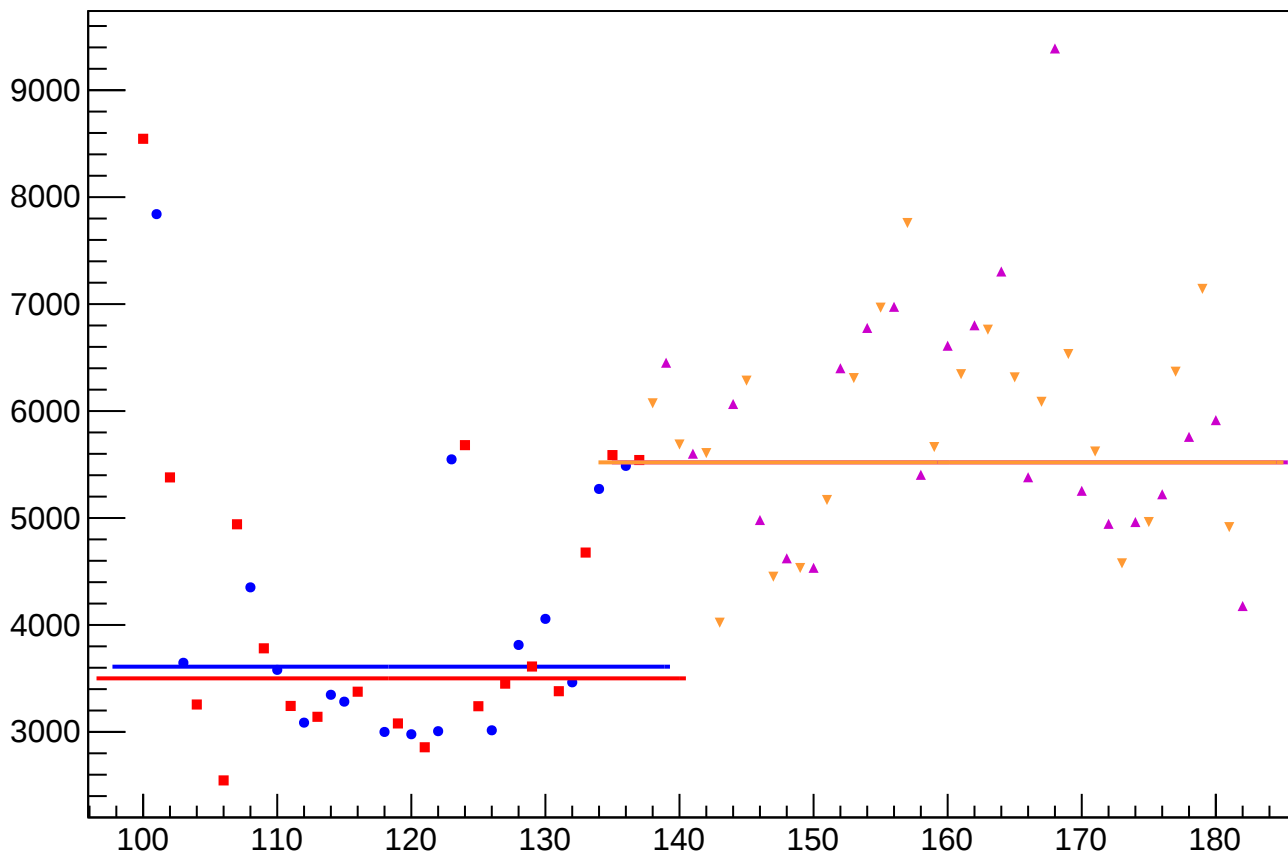
Right: 2769.155+/-1001.468 χ^2/NDF : 33.9/35

In: 2926.471+/-990.884 χ^2/NDF : 30.7/38

Out: 2522.996+/-964.846 χ^2/NDF : 48.2/41

All: 2719.363+/-691.271 χ^2/NDF : 79.0/80

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3610.008 $\pm$ 1.027 χ^2 /NDF: 783187.3/16

Left Out: 5520.094 $\pm$ 0.952 χ^2 /NDF: 979601.5/22

Right Out: 3500.718 $\pm$ 0.964 χ^2 /NDF: 661555.5/18

Left In: 5520.297 $\pm$ 0.958 χ^2 /NDF: 1026360.6/21

Left: 5520.195 $\pm$ 0.676 χ^2 /NDF: 2005962.1/44

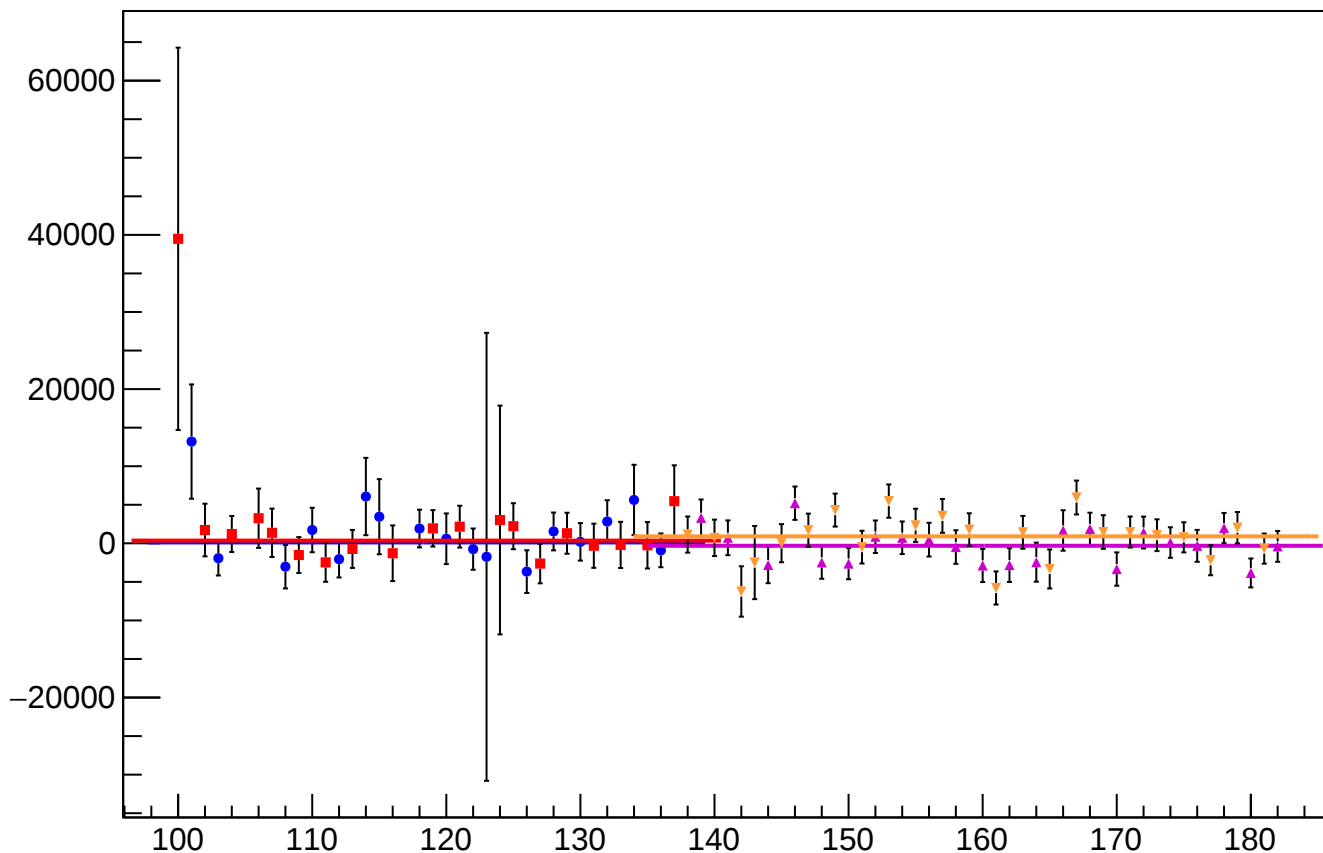
Right: 3551.929 $\pm$ 0.703 χ^2 /NDF: 1450762.7/35

In: 4630.876 $\pm$ 0.701 χ^2 /NDF: 3659090.2/38

Out: 4522.948 $\pm$ 0.678 χ^2 /NDF: 3861467.1/41

All: 4575.103 $\pm$ 0.487 χ^2 /NDF: 7532818.7/80

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 115.789+/-711.081 χ^2/NDF : 13.7/16

Left Out: 906.654+/-461.208 χ^2/NDF : 36.6/22

Right Out: 353.491+/-683.689 χ^2/NDF : 9.9/18

Left In: -319.188+/-457.309 χ^2/NDF : 25.8/21

Left: 288.530+/-324.736 χ^2/NDF : 66.0/44

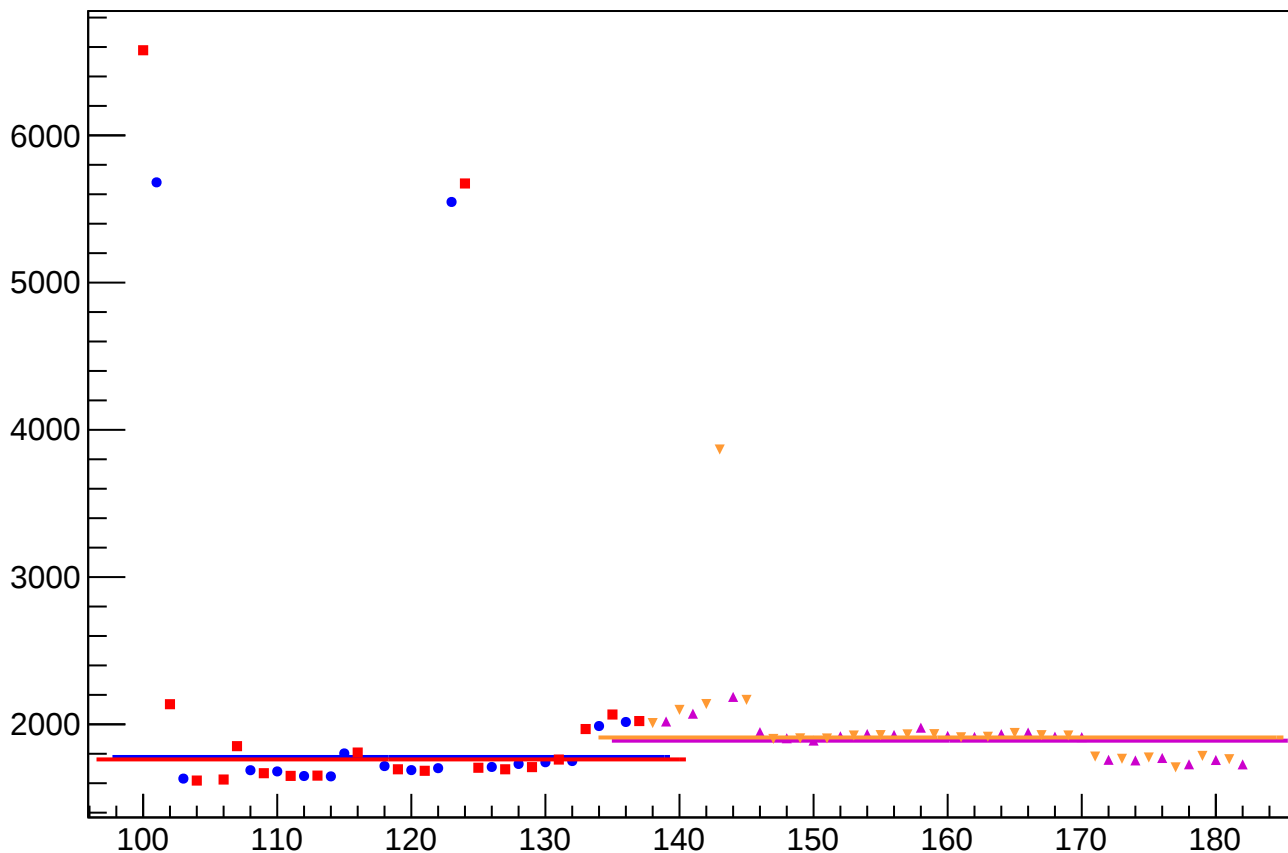
Right: 239.307+/-492.840 χ^2/NDF : 23.7/35

In: -191.920+/-384.633 χ^2/NDF : 39.8/38

Out: 733.654+/-382.344 χ^2/NDF : 46.9/41

All: 273.629+/-271.164 χ^2/NDF : 89.7/80

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1778.202+/-0.503 χ^2/NDF : 642982.9/16

Left Out: 1910.651+/-0.326 χ^2/NDF : 456696.5/22

Right Out: 1761.653+/-0.480 χ^2/NDF : 305365.0/18

Left In: 1888.960+/-0.323 χ^2/NDF : 120077.1/21

Left: 1899.714+/-0.230 χ^2/NDF : 579004.3/44

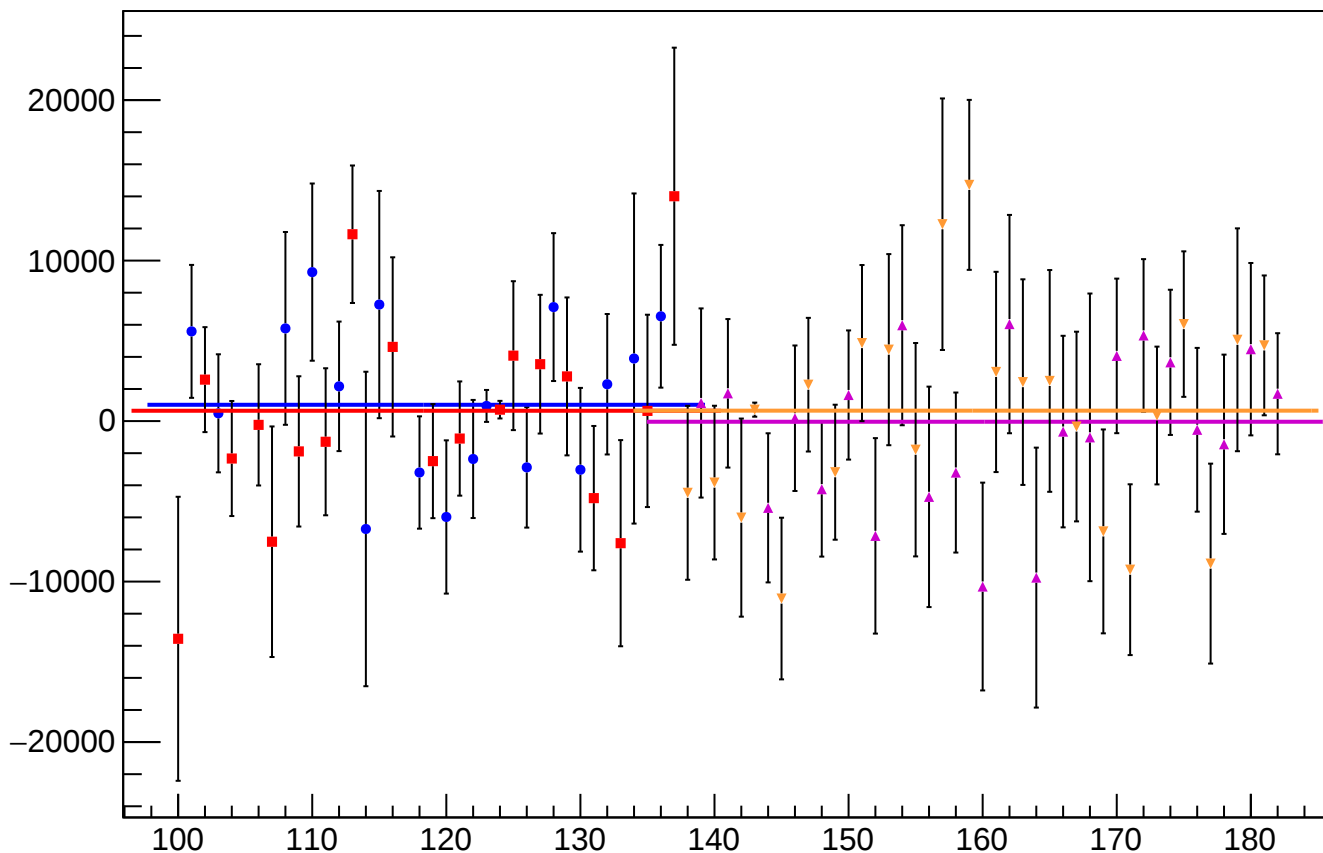
Right: 1769.546+/-0.347 χ^2/NDF : 948914.5/35

In: 1856.554+/-0.272 χ^2/NDF : 797385.3/38

Out: 1863.612+/-0.270 χ^2/NDF : 827960.4/41

All: 1860.111+/-0.192 χ^2/NDF : 1625685.3/80

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1015.864+/-753.323 χ^2/NDF : 15.2/16

Left Out: 649.905+/-409.767 χ^2/NDF : 30.1/22

Right Out: 643.706+/-488.275 χ^2/NDF : 20.0/18

Left In: -41.390+/-1107.020 χ^2/NDF : 14.3/21

Left: 566.602+/-384.286 χ^2/NDF : 44.8/44

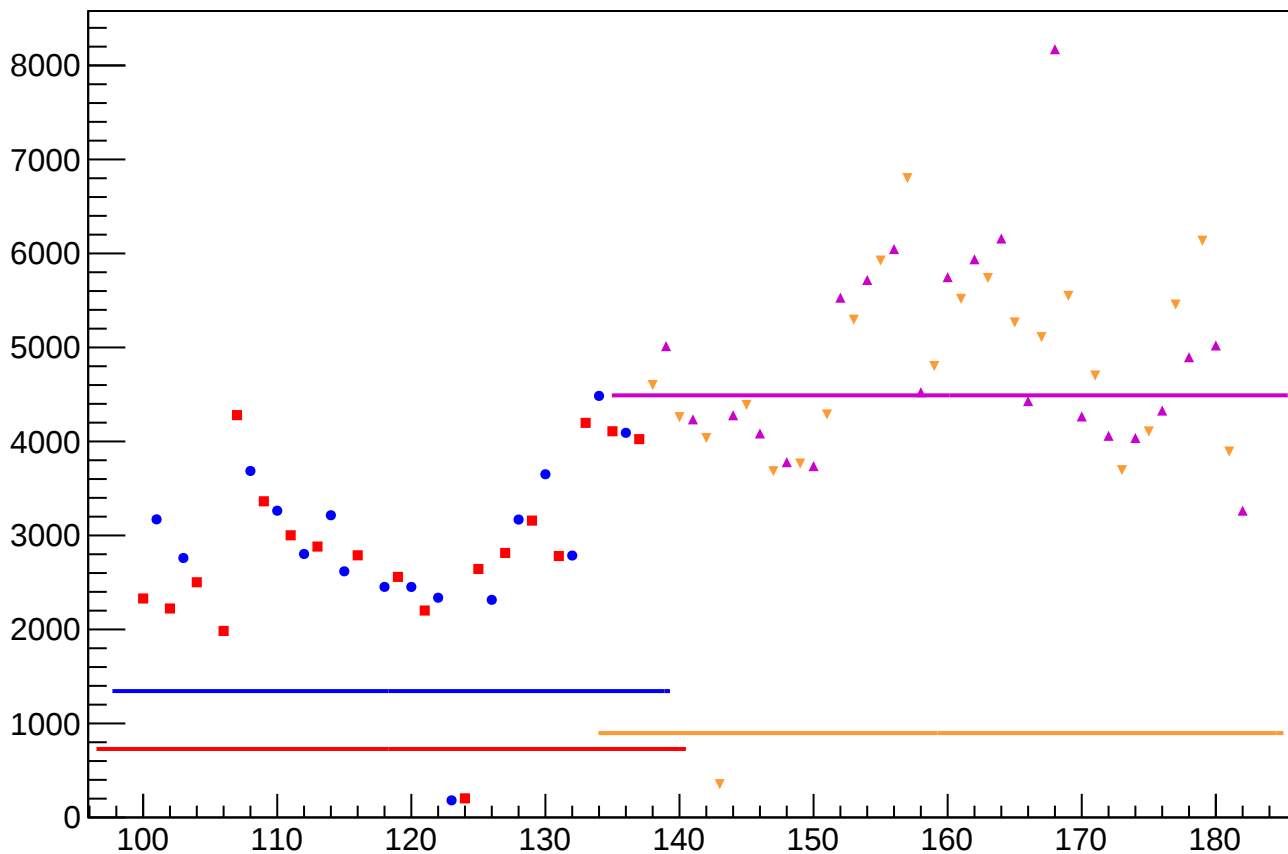
Right: 753.802+/-409.735 χ^2/NDF : 35.3/35

In: 681.234+/-622.799 χ^2/NDF : 30.1/38

Out: 647.343+/-313.882 χ^2/NDF : 50.1/41

All: 654.208+/-280.296 χ^2/NDF : 80.2/80

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1344.476 $\pm$ 0.533 χ^2 /NDF: 6835525.9/16

Left Out: 897.604 $\pm$ 0.290 χ^2 /NDF: 24873394.1/22

Right Out: 728.423 $\pm$ 0.345 χ^2 /NDF: 9480438.9/18

Left In: 4490.331 $\pm$ 0.783 χ^2 /NDF: 1281159.6/21

Left: 1330.538 $\pm$ 0.272 χ^2 /NDF: 44681425.0/44

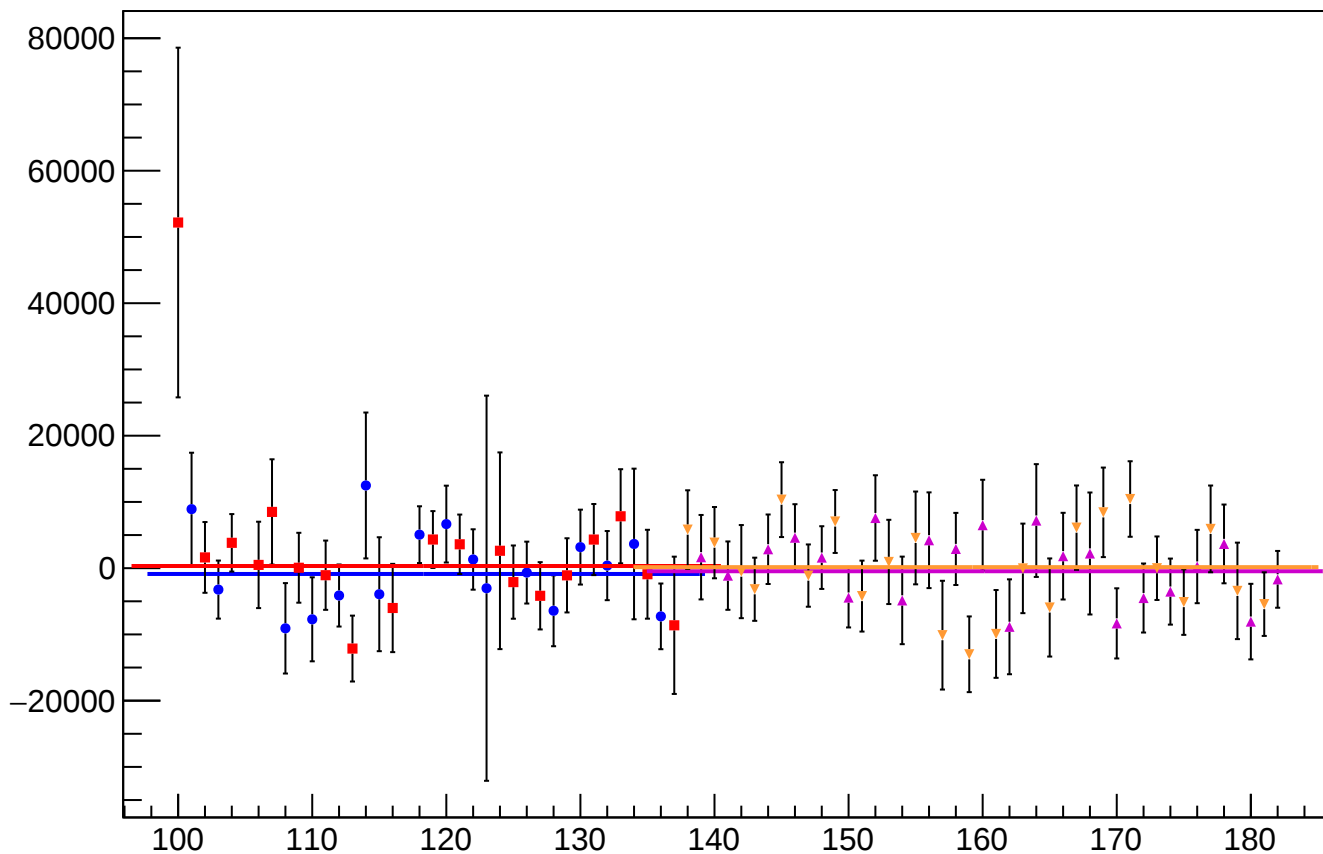
Right: 910.670 $\pm$ 0.290 χ^2 /NDF: 17257813.4/35

In: 2340.165 $\pm$ 0.440 χ^2 /NDF: 19155692.0/38

Out: 827.691 $\pm$ 0.222 χ^2 /NDF: 34494718.7/41

All: 1134.047 $\pm$ 0.198 χ^2 /NDF: 63056556.4/8

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -874.074 ± 1400.106 $\chi^2/\text{NDF}: 13.6/16$

Left Out: 155.716 ± 1209.358 $\chi^2/\text{NDF}: 27.4/22$

Right Out: 328.412 ± 1333.346 $\chi^2/\text{NDF}: 17.8/18$

Left In: -461.654 ± 1212.864 $\chi^2/\text{NDF}: 14.3/21$

Left: -152.075 ± 856.382 $\chi^2/\text{NDF}: 41.8/44$

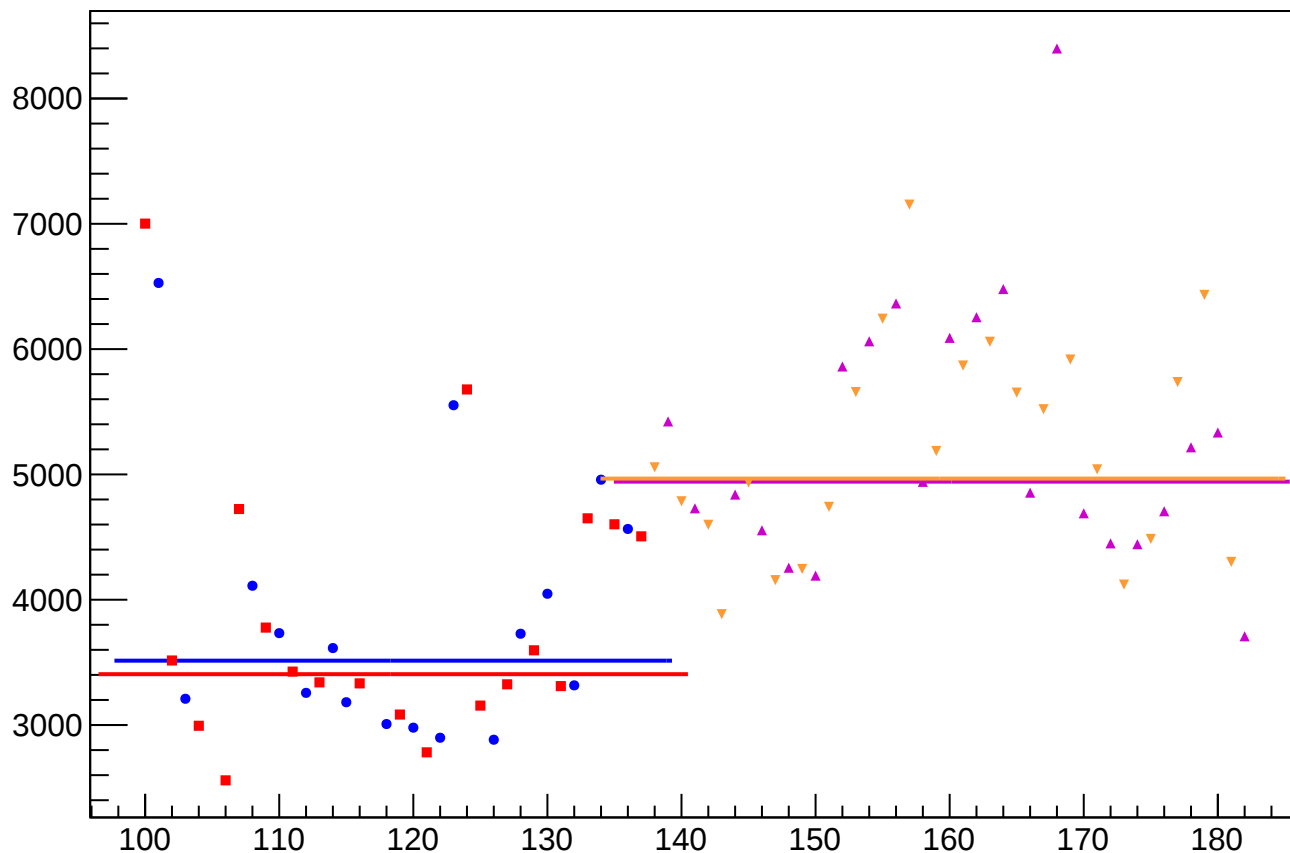
Right: -243.480 ± 965.557 $\chi^2/\text{NDF}: 31.8/35$

In: -638.462 ± 916.730 $\chi^2/\text{NDF}: 27.9/38$

Out: 233.663 ± 895.779 $\chi^2/\text{NDF}: 45.2/41$

All: -192.320 ± 640.690 $\chi^2/\text{NDF}: 73.6/80$

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3513.685 $\pm$ 0.990 χ^2 /NDF: 560775.0/16

Left Out: 4966.697 $\pm$ 0.855 χ^2 /NDF: 845047.0/22

Right Out: 3405.768 $\pm$ 0.931 χ^2 /NDF: 428480.7/18

Left In: 4942.332 $\pm$ 0.858 χ^2 /NDF: 996474.2/21

Left: 4954.550 $\pm$ 0.606 χ^2 /NDF: 1841925.9/44

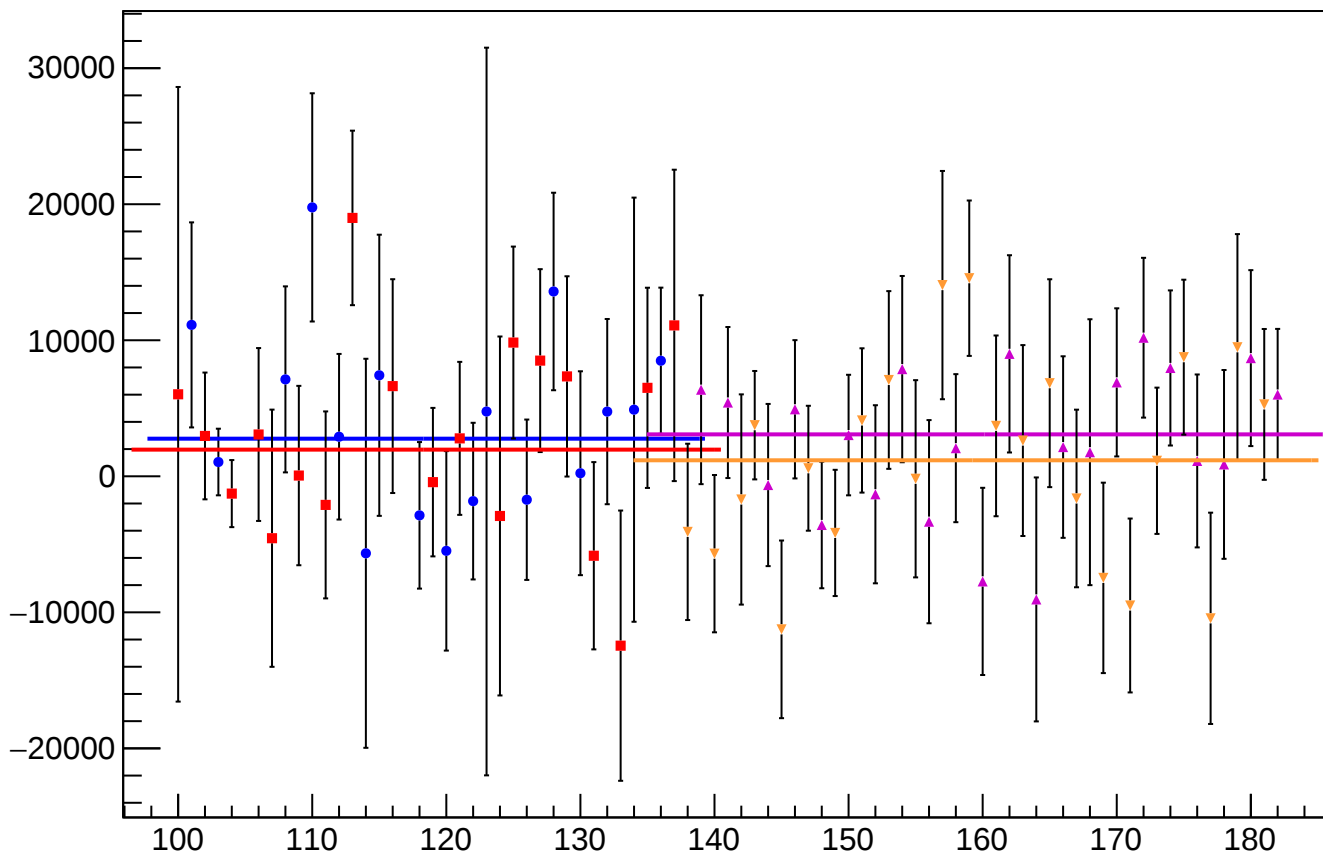
Right: 3456.388 $\pm$ 0.678 χ^2 /NDF: 995564.3/35

In: 4329.856 $\pm$ 0.648 χ^2 /NDF: 2746899.6/38

Out: 4252.028 $\pm$ 0.630 χ^2 /NDF: 2799014.2/41

All: 4289.811 $\pm$ 0.452 χ^2 /NDF: 5553330.8/80

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2764.928+/-1455.950 χ^2/NDF : 13.9/16

Left Out: 1176.393+/-1258.759 χ^2/NDF : 27.4/22

Right Out: 1959.806+/-1383.928 χ^2/NDF : 17.6/18

Left In: 3081.714+/-1285.702 χ^2/NDF : 13.7/21

Left: 2108.880+/-899.451 χ^2/NDF : 42.2/44

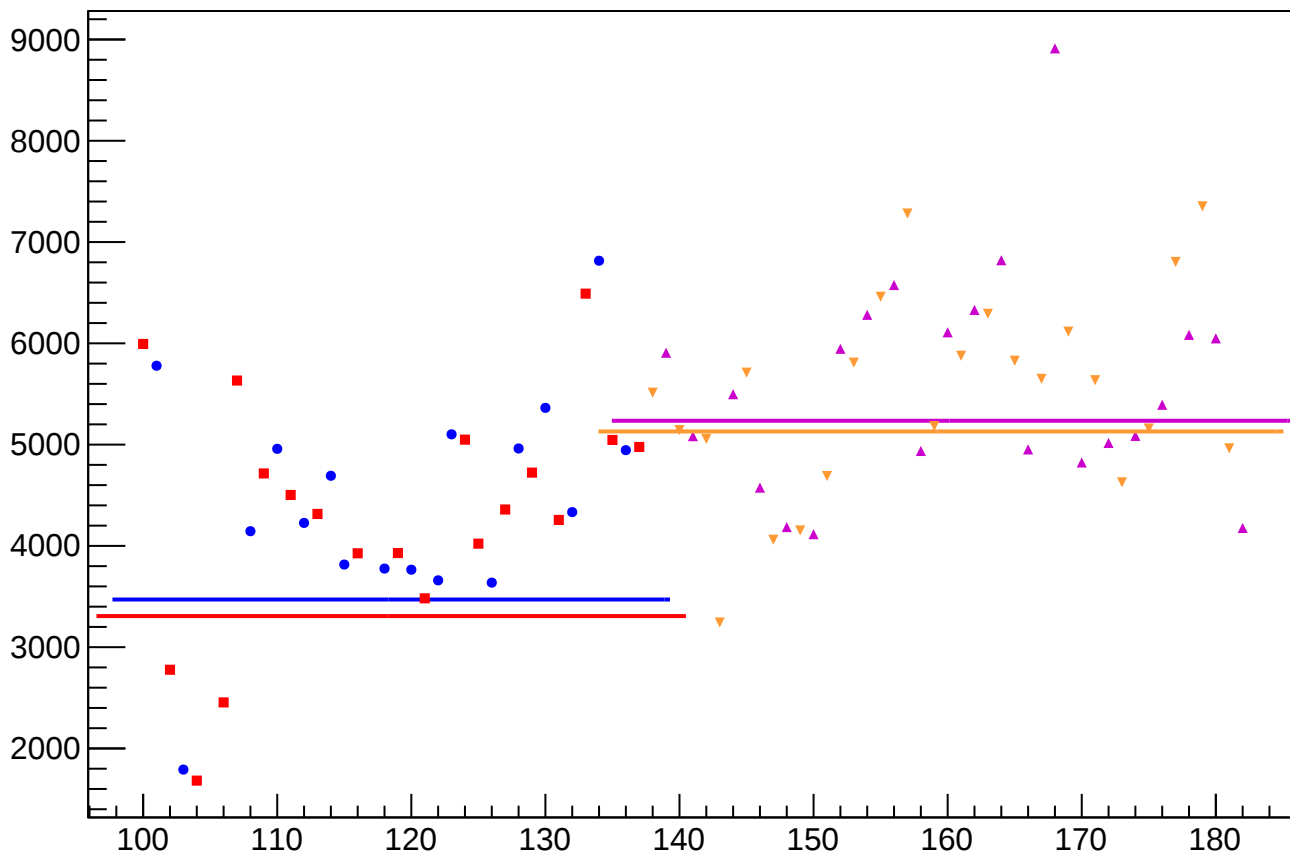
Right: 2341.962+/-1003.080 χ^2/NDF : 31.7/35

In: 2942.917+/-963.726 χ^2/NDF : 27.7/38

Out: 1531.077+/-931.191 χ^2/NDF : 45.2/41

All: 2212.763+/-669.658 χ^2/NDF : 74.0/80

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.650+/-1.029 χ^2/NDF : 1765892.2/16

Left Out: 5129.847+/-0.890 χ^2/NDF : 1319630.9/22

Right Out: 3306.828+/-0.970 χ^2/NDF : 1911650.7/18

Left In: 5235.485+/-0.909 χ^2/NDF : 1029720.5/21

Left: 5181.548+/-0.636 χ^2/NDF : 2356245.2/44

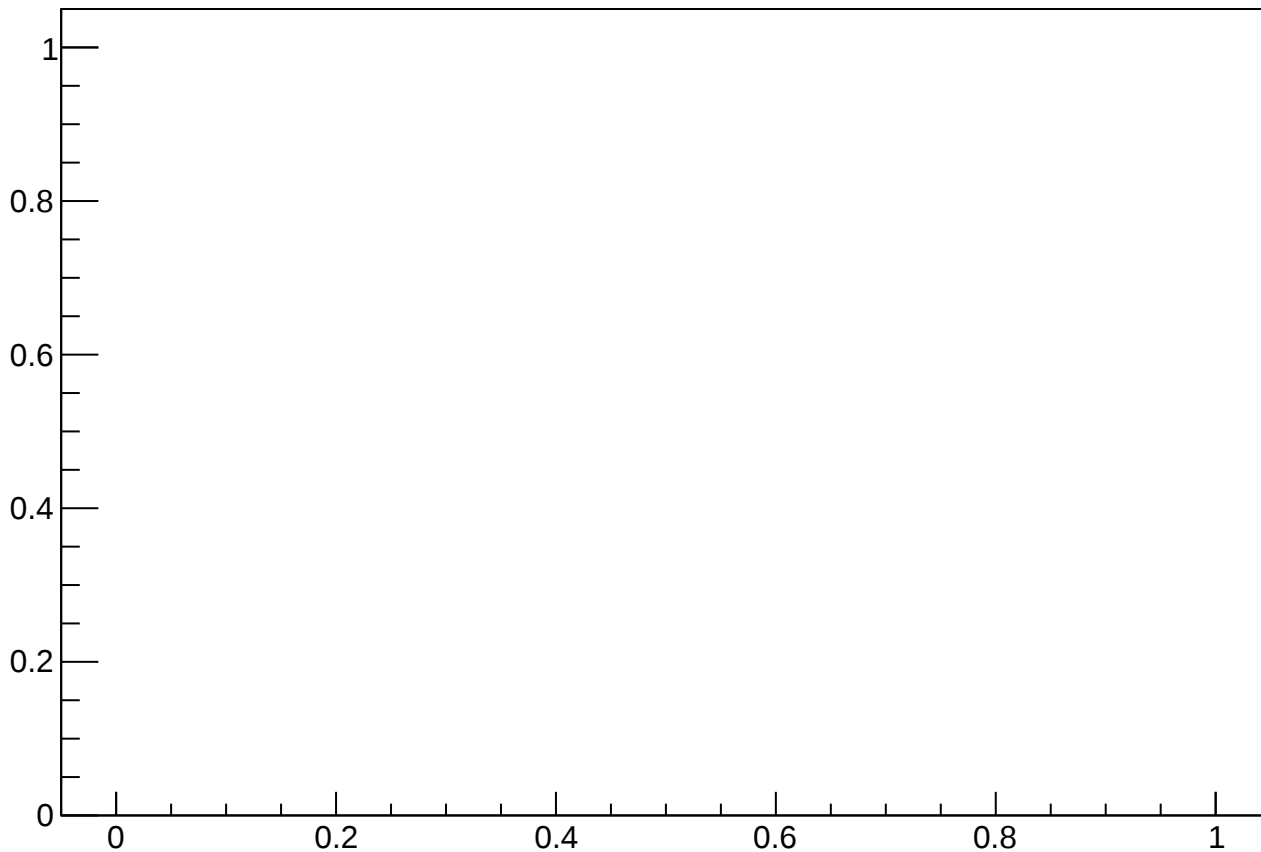
Right: 3383.837+/-0.706 χ^2/NDF : 3690961.8/35

In: 4462.216+/-0.681 χ^2/NDF : 4446755.5/38

Out: 4296.164+/-0.656 χ^2/NDF : 5149672.8/41

All: 4375.993+/-0.472 χ^2/NDF : 9627260.0/80

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: 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

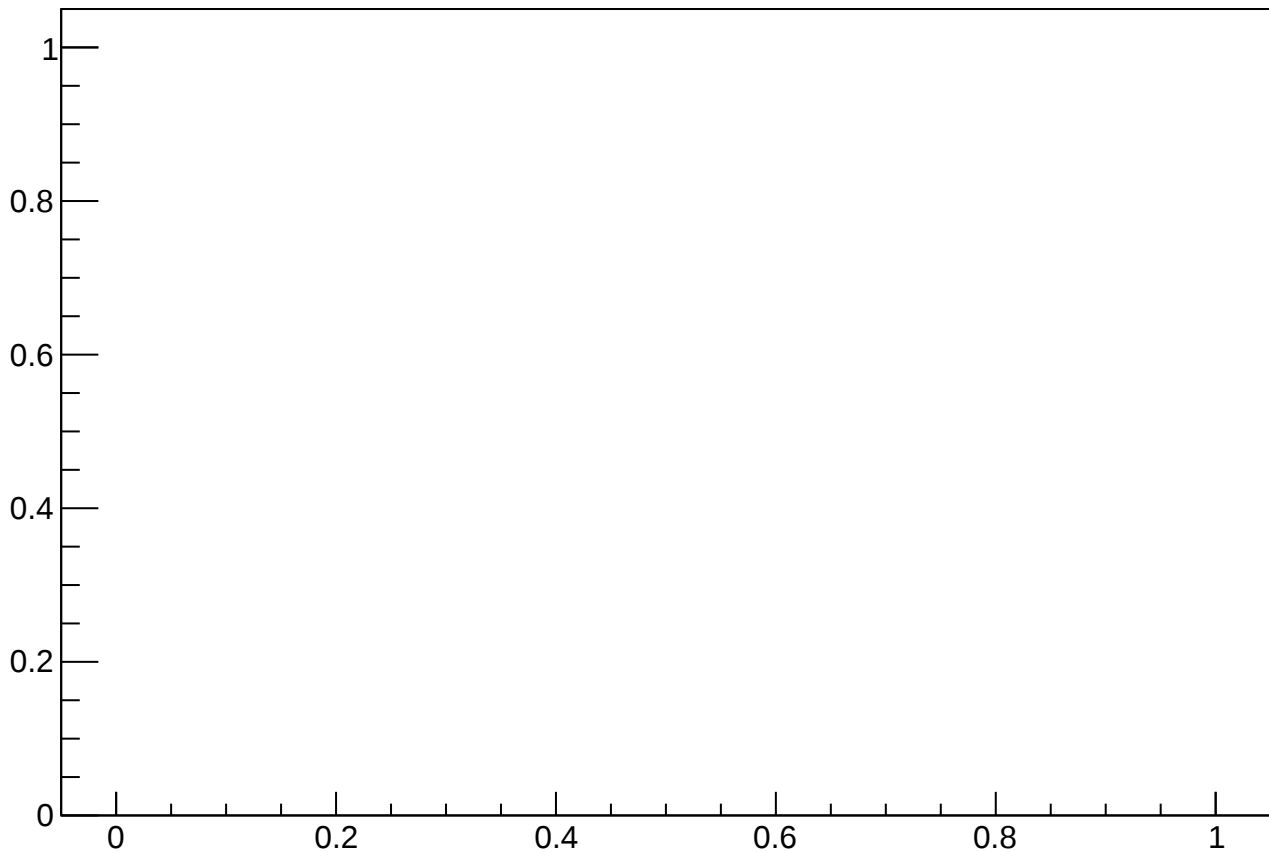
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

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: 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

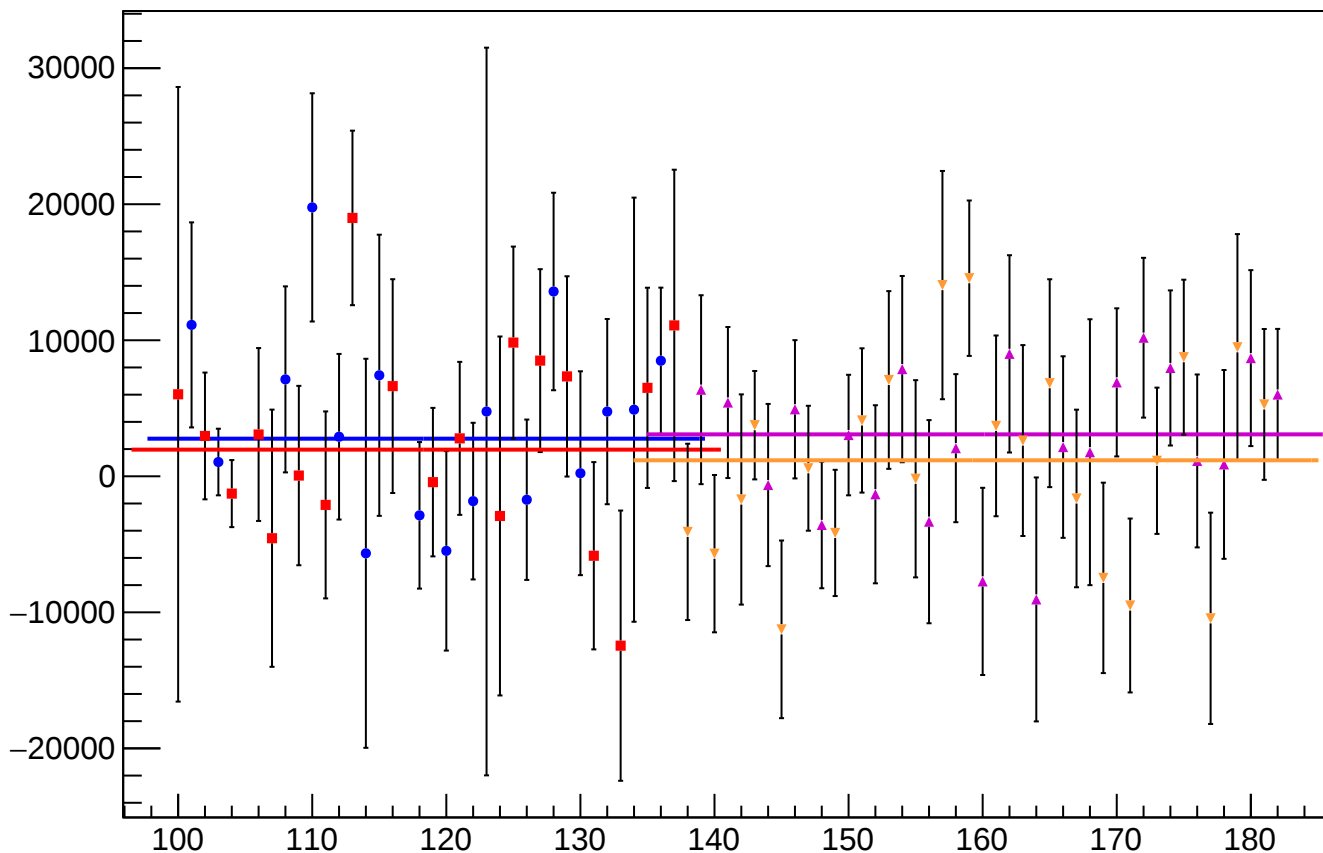
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2764.928+/-1455.950 χ^2/NDF : 13.9/16

Left Out: 1176.393+/-1258.759 χ^2/NDF : 27.4/22

Right Out: 1959.806+/-1383.928 χ^2/NDF : 17.6/18

Left In: 3081.714+/-1285.702 χ^2/NDF : 13.7/21

Left: 2108.880+/-899.451 χ^2/NDF : 42.2/44

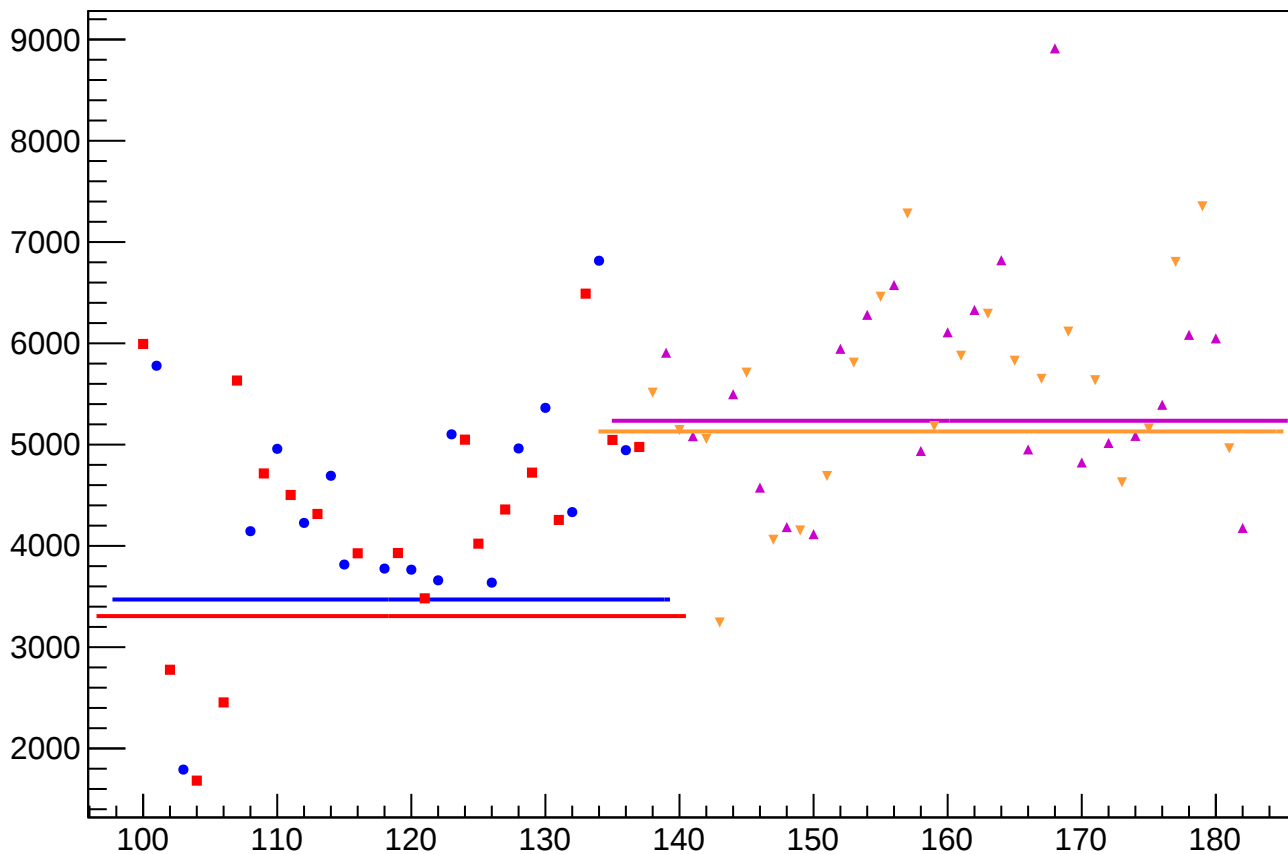
Right: 2341.962+/-1003.080 χ^2/NDF : 31.7/35

In: 2942.917+/-963.726 χ^2/NDF : 27.7/38

Out: 1531.077+/-931.191 χ^2/NDF : 45.2/41

All: 2212.763+/-669.658 χ^2/NDF : 74.0/80

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.650 $\pm$ 1.029 χ^2 /NDF: 1765892.2/16

Left Out: 5129.847 $\pm$ 0.890 χ^2 /NDF:1319630.9/22

Right Out: 3306.828 $\pm$ 0.970 χ^2 /NDF: 1911650.7/18

Left In: 5235.485 $\pm$ 0.909 χ^2 /NDF:1029720.5/21

Left: 5181.548 $\pm$ 0.636 χ^2 /NDF: 2356245.2/44

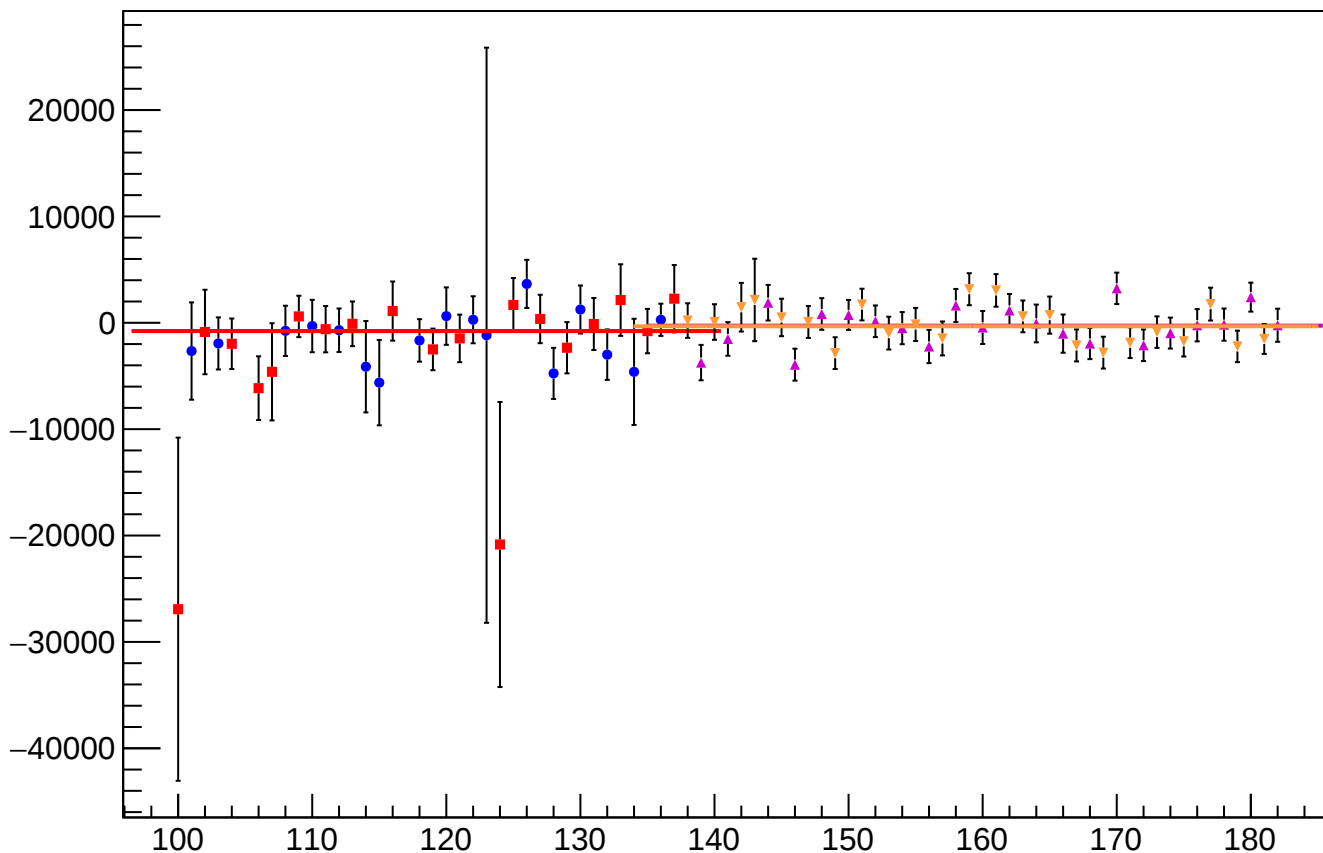
Right: 3383.837 $\pm$ 0.706 χ^2 /NDF: 3690961.8/35

In: 4462.216 $\pm$ 0.681 χ^2 /NDF:4446755.5/38

Out: 4296.164 $\pm$ 0.656 χ^2 /NDF:5149672.8/41

All: 4375.993 $\pm$ 0.472 χ^2 /NDF: 9627260.0/80

reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -774.709+/-605.594 χ^2/NDF : 12.5/16

Left Out: -328.715+/-329.137 χ^2/NDF : 28.5/22

Right Out: -776.735+/-596.676 χ^2/NDF : 14.3/18

Left In: -270.490+/-326.869 χ^2/NDF : 30.5/21

Left: -299.401+/-231.929 χ^2/NDF : 59.0/44

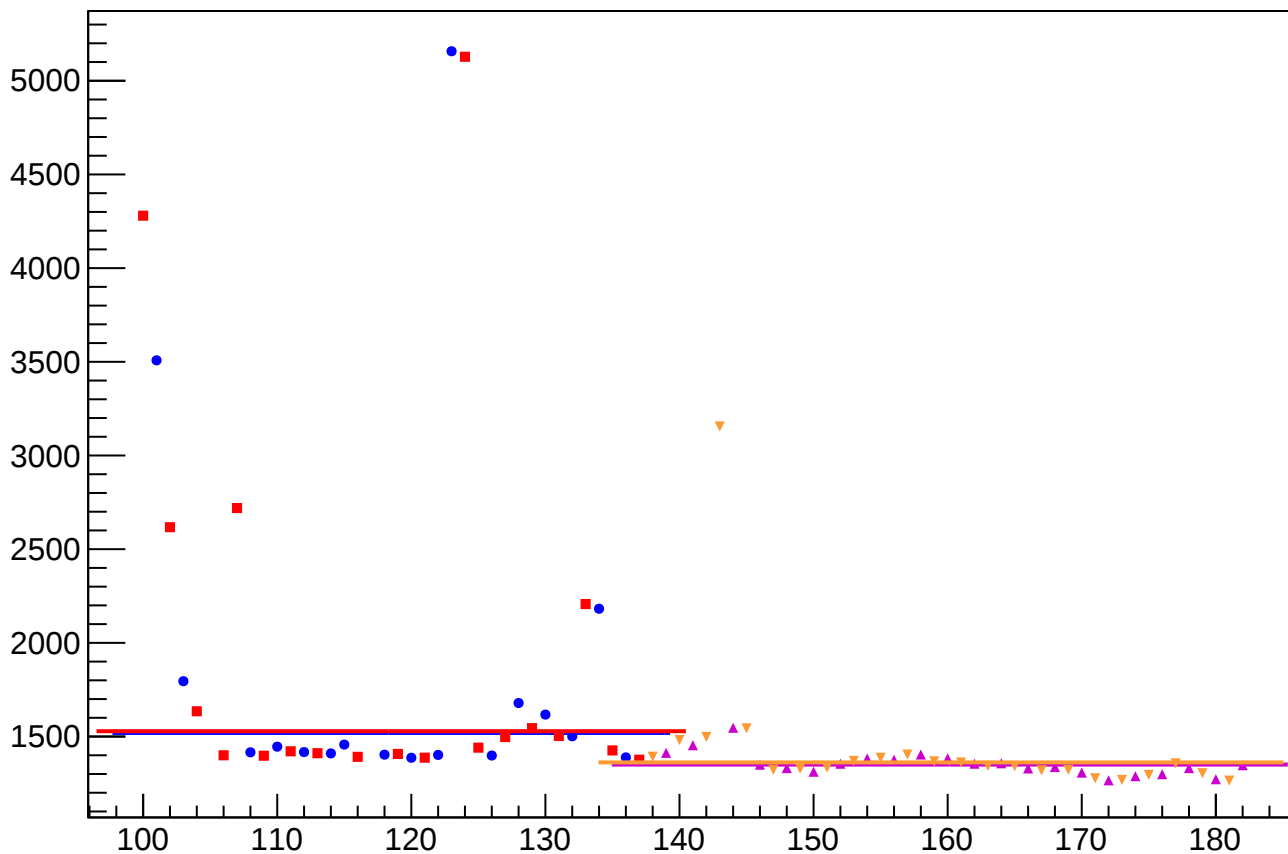
Right: -775.737+/-425.032 χ^2/NDF : 26.9/35

In: -384.244+/-287.644 χ^2/NDF : 43.5/38

Out: -433.235+/-288.198 χ^2/NDF : 43.3/41

All: -408.692+/-203.590 χ^2/NDF : 86.8/80

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Left: 1356.138 ± 0.164 $\chi^2/\text{NDF}: 575715.6/44$

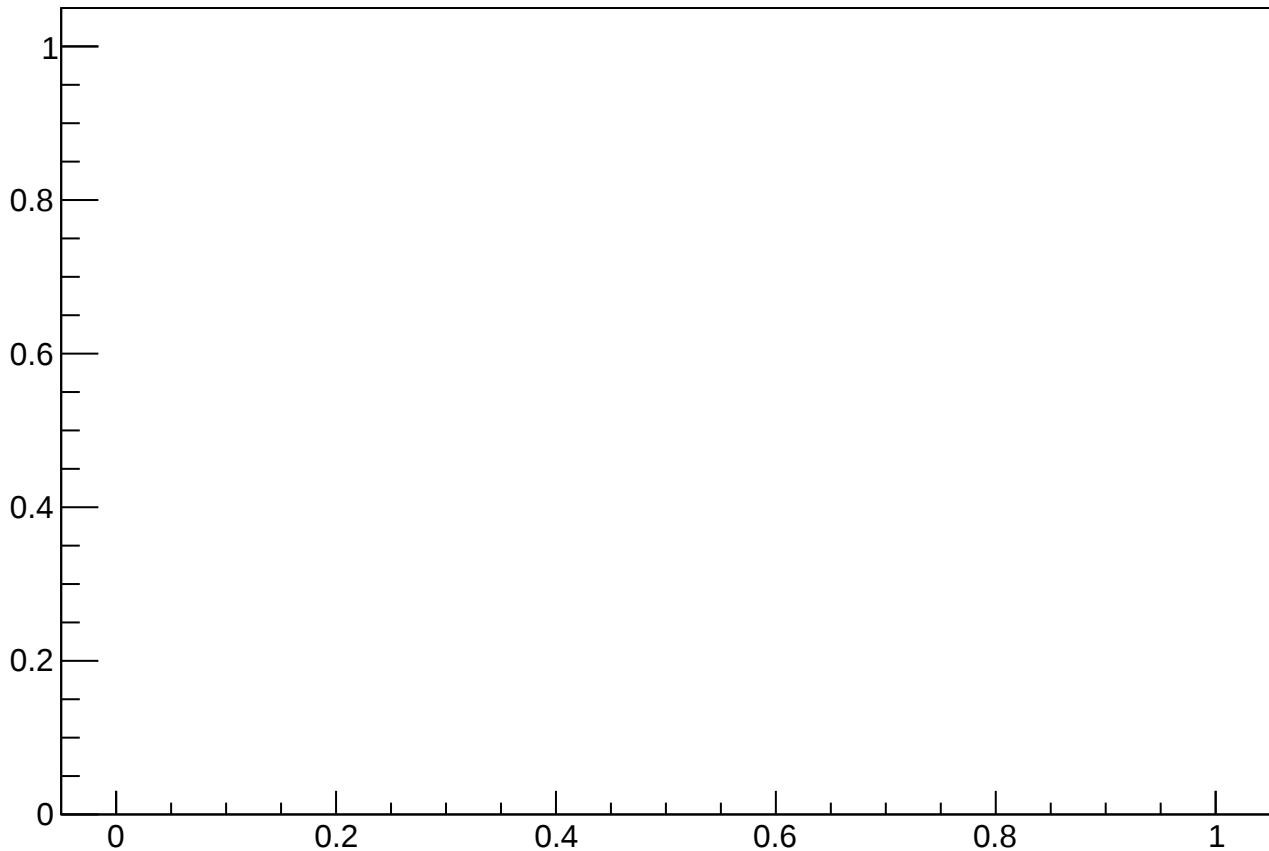
Right: 1523.872 ± 0.301 $\chi^2/\text{NDF}: 1169084.1/35$

In: 1388.459 ± 0.203 $\chi^2/\text{NDF}: 724799.8/38$

Out: 1400.812 ± 0.204 $\chi^2/\text{NDF}: 1258174.6/41$

All: 1394.623 ± 0.144 $\chi^2/\text{NDF}: 1984815.3/80$

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: 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

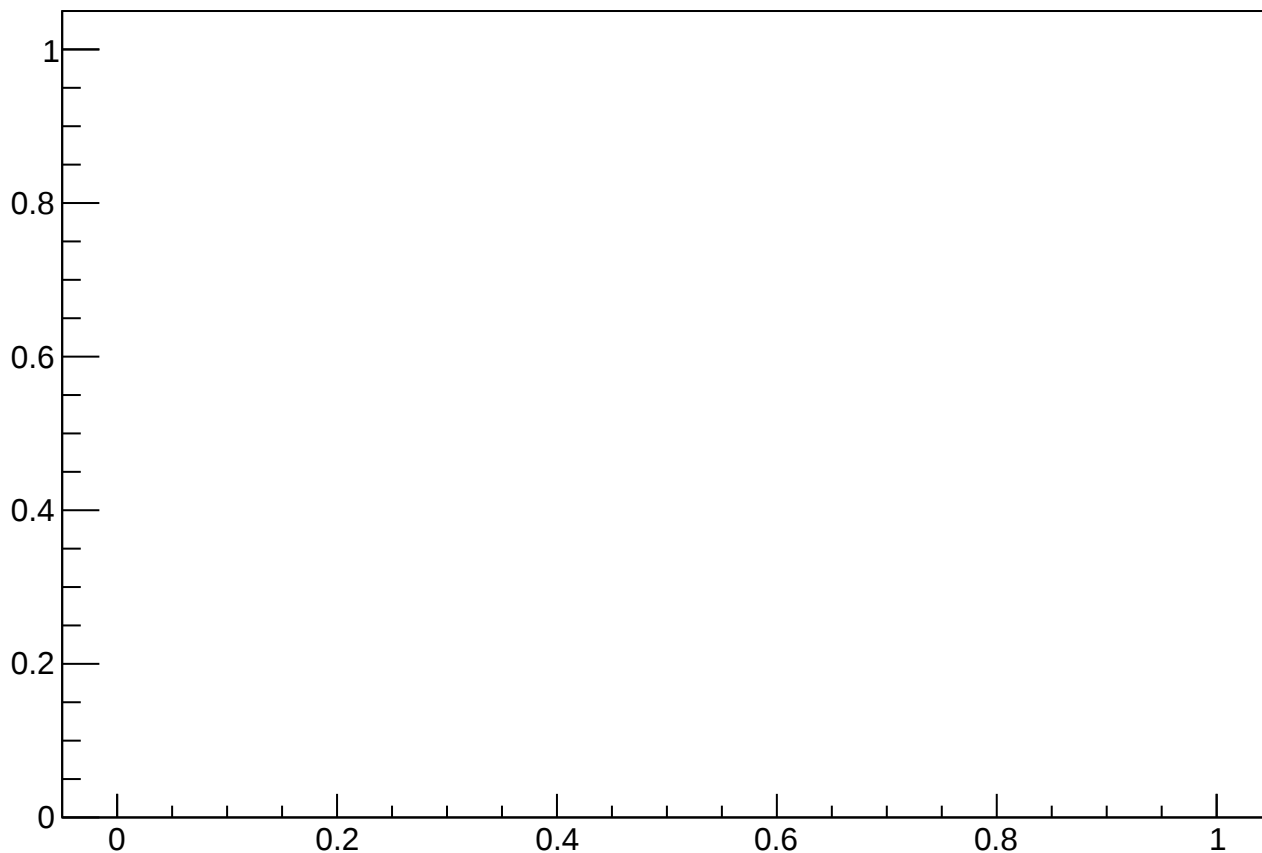
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

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: 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

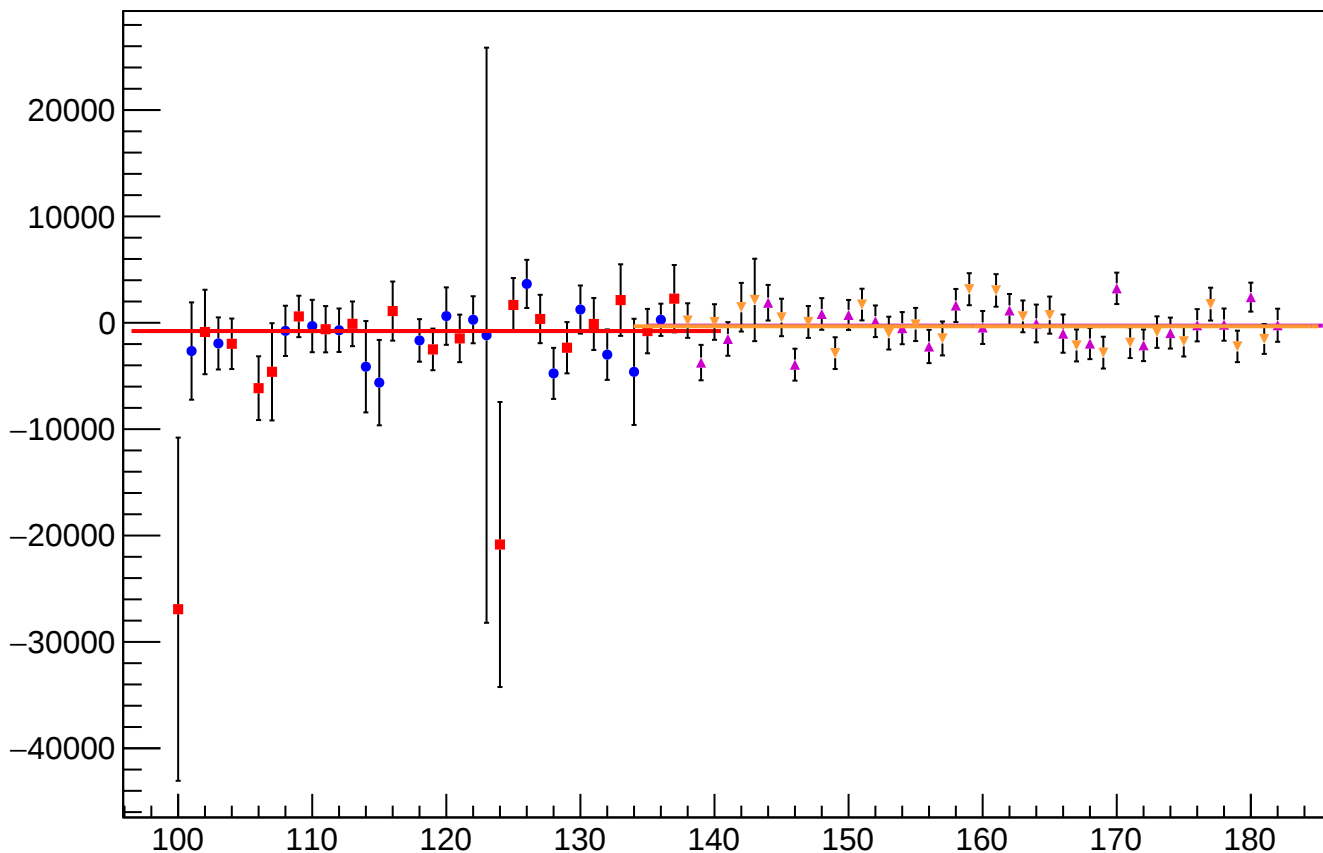
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -774.709+/-605.594 χ^2/NDF : 12.5/16

Left Out: -328.715+/-329.137 χ^2/NDF : 28.5/22

Right Out: -776.735+/-596.676 χ^2/NDF : 14.3/18

Left In: -270.490+/-326.869 χ^2/NDF : 30.5/21

Left: -299.401+/-231.929 χ^2/NDF : 59.0/44

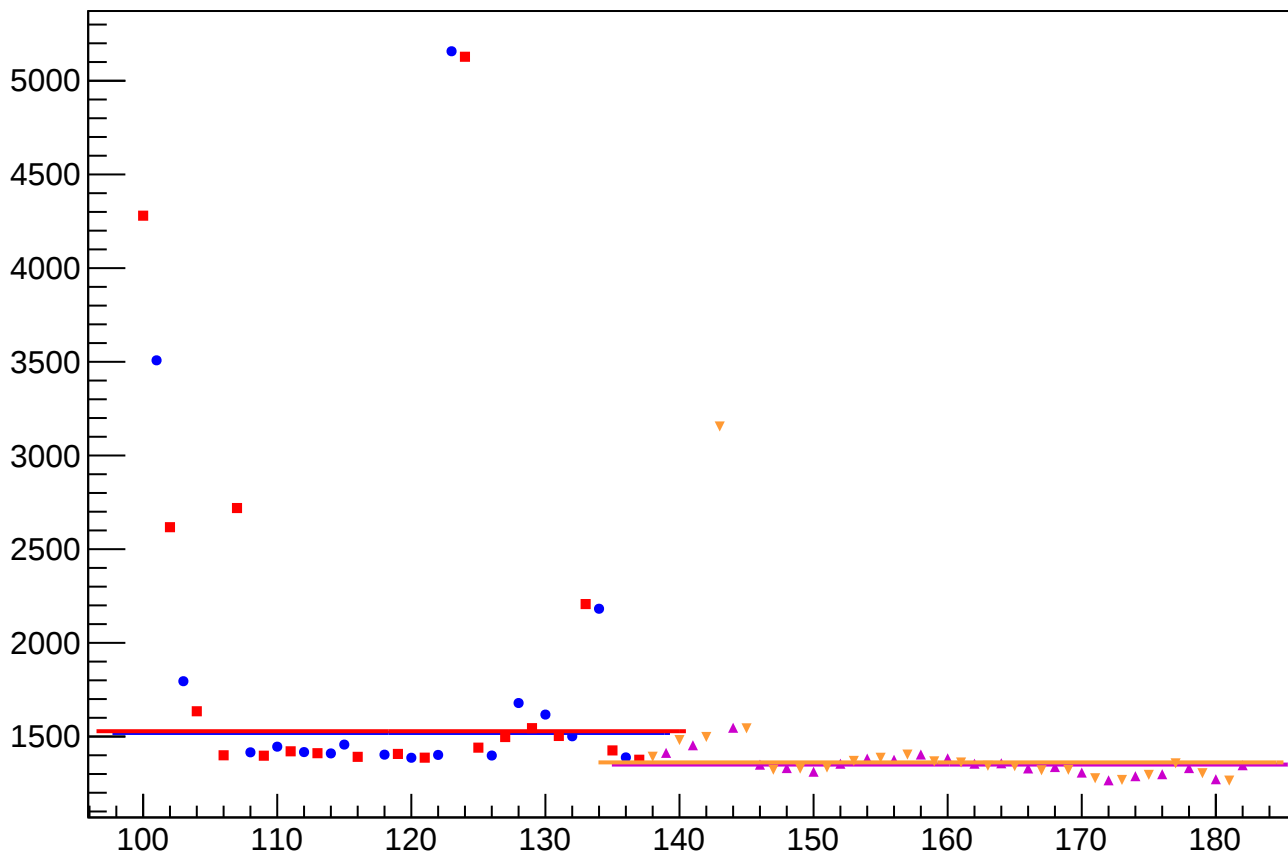
Right: -775.737+/-425.032 χ^2/NDF : 26.9/35

In: -384.244+/-287.644 χ^2/NDF : 43.5/38

Out: -433.235+/-288.198 χ^2/NDF : 43.3/41

All: -408.692+/-203.590 χ^2/NDF : 86.8/80

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1519.171 ± 0.428 χ^2/NDF : 537680.2/16

Left Out: 1361.978 ± 0.233 χ^2/NDF : 507666.7/22

Right Out: 1528.435 ± 0.422 χ^2/NDF : 631166.4/18

Left In: 1350.378 ± 0.231 χ^2/NDF : 66798.2/21

Left: 1356.138 ± 0.164 χ^2/NDF : 575715.6/44

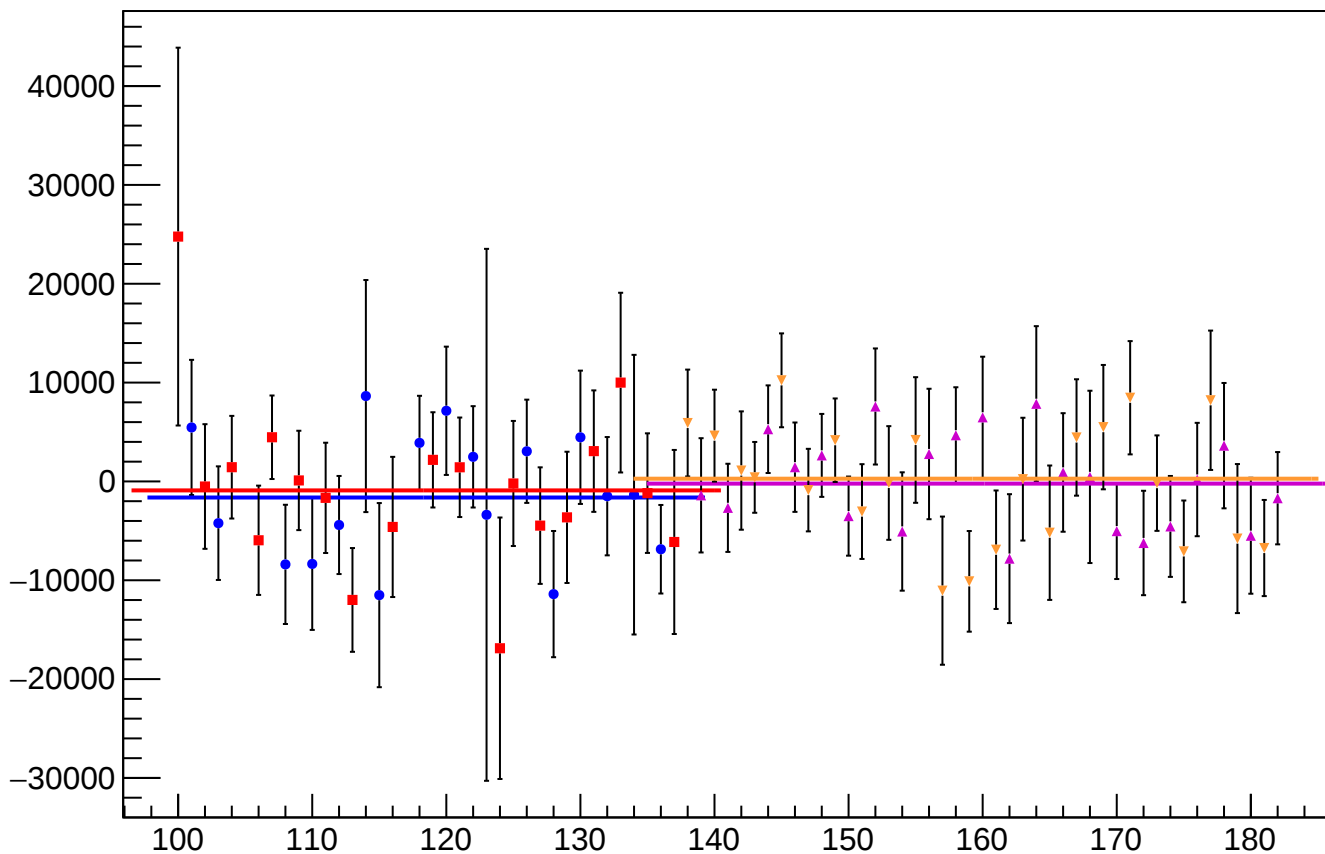
Right: 1523.872 ± 0.301 χ^2/NDF : 1169084.1/35

In: 1388.459 ± 0.203 χ^2/NDF : 724799.8/38

Out: 1400.812 ± 0.204 χ^2/NDF : 1258174.6/41

All: 1394.623 ± 0.144 χ^2/NDF : 1984815.3/80

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1626.973 $\pm$ 1517.678 χ^2 /NDF: 14.9/16

Left Out: 276.275 $\pm$ 1104.649 χ^2 /NDF:26.0/22

Right Out: -908.006 $\pm$ 1381.849 χ^2 /NDF: 14.1/18

Left In: -221.972 $\pm$ 1135.417 χ^2 /NDF:14.7/21

Left: 33.994 $\pm$ 791.759 χ^2 /NDF: 40.8/44

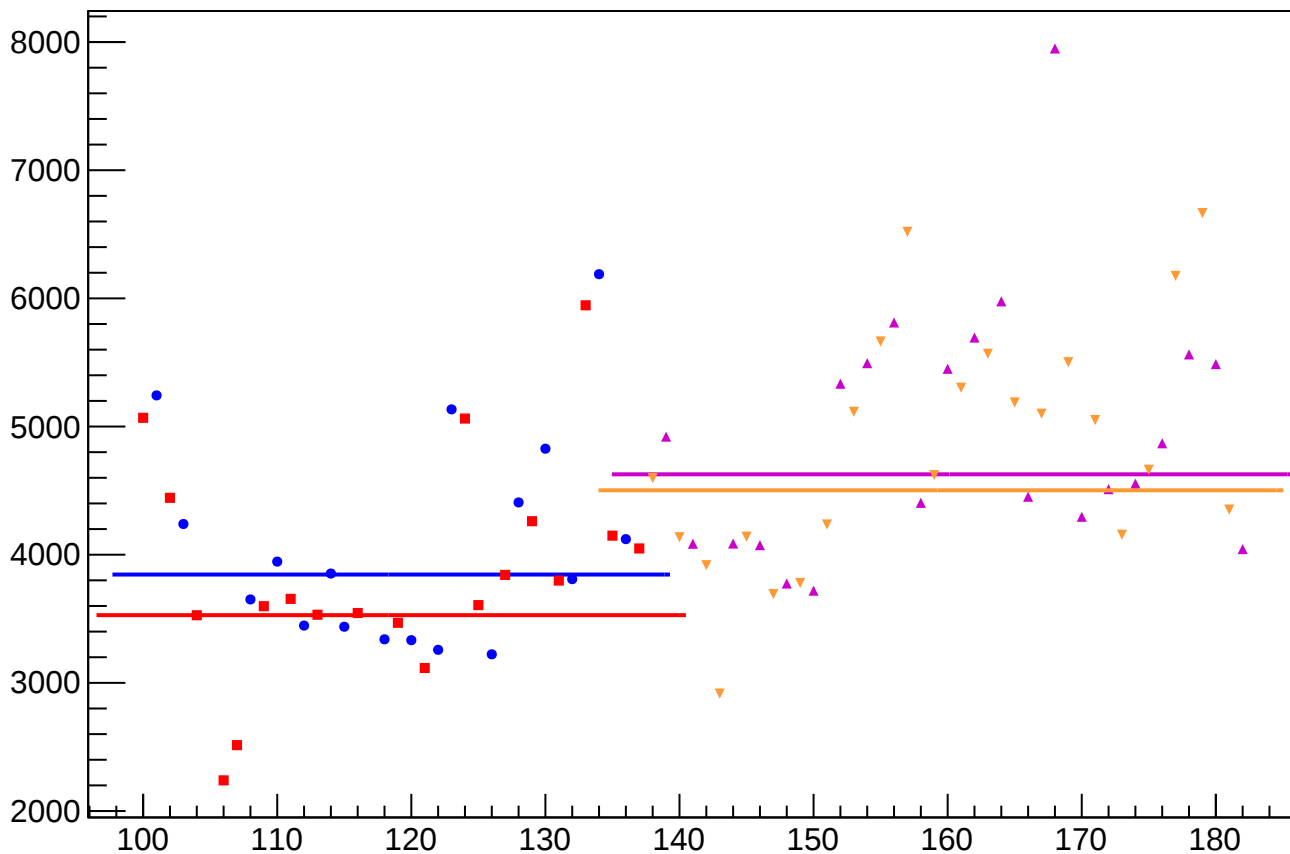
Right: -1233.883 $\pm$ 1021.768 χ^2 /NDF: 29.1/35

In: -726.155 $\pm$ 909.150 χ^2 /NDF:30.2/38

Out: -185.460 $\pm$ 862.839 χ^2 /NDF:40.5/41

All: -441.686 $\pm$ 625.851 χ^2 /NDF: 70.8/80

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3845.187+/-1.073 χ^2/NDF : 326944.8/16

Left Out: 4502.561+/-0.781 χ^2/NDF :1306953.5/22

Right Out: 3528.231+/-0.968 χ^2/NDF : 556307.5/18

Left In: 4627.265+/-0.803 χ^2/NDF :992212.6/21

Left: 4563.200+/-0.560 χ^2/NDF : 2311560.2/44

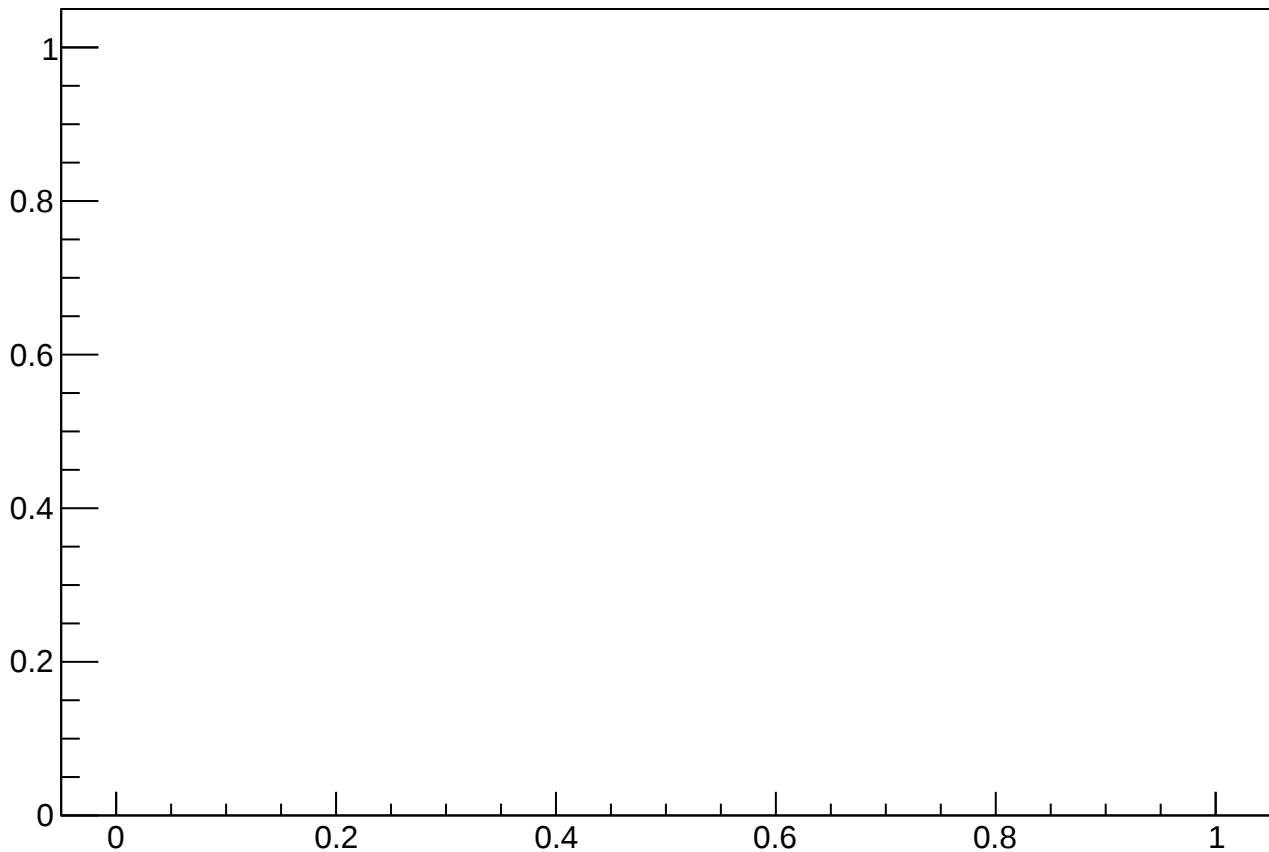
Right: 3670.458+/-0.719 χ^2/NDF : 931342.4/35

In: 4346.607+/-0.643 χ^2/NDF :1659680.4/38

Out: 4118.424+/-0.608 χ^2/NDF :2476703.5/41

All: 4226.148+/-0.442 χ^2/NDF : 4202894.2/80

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: 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

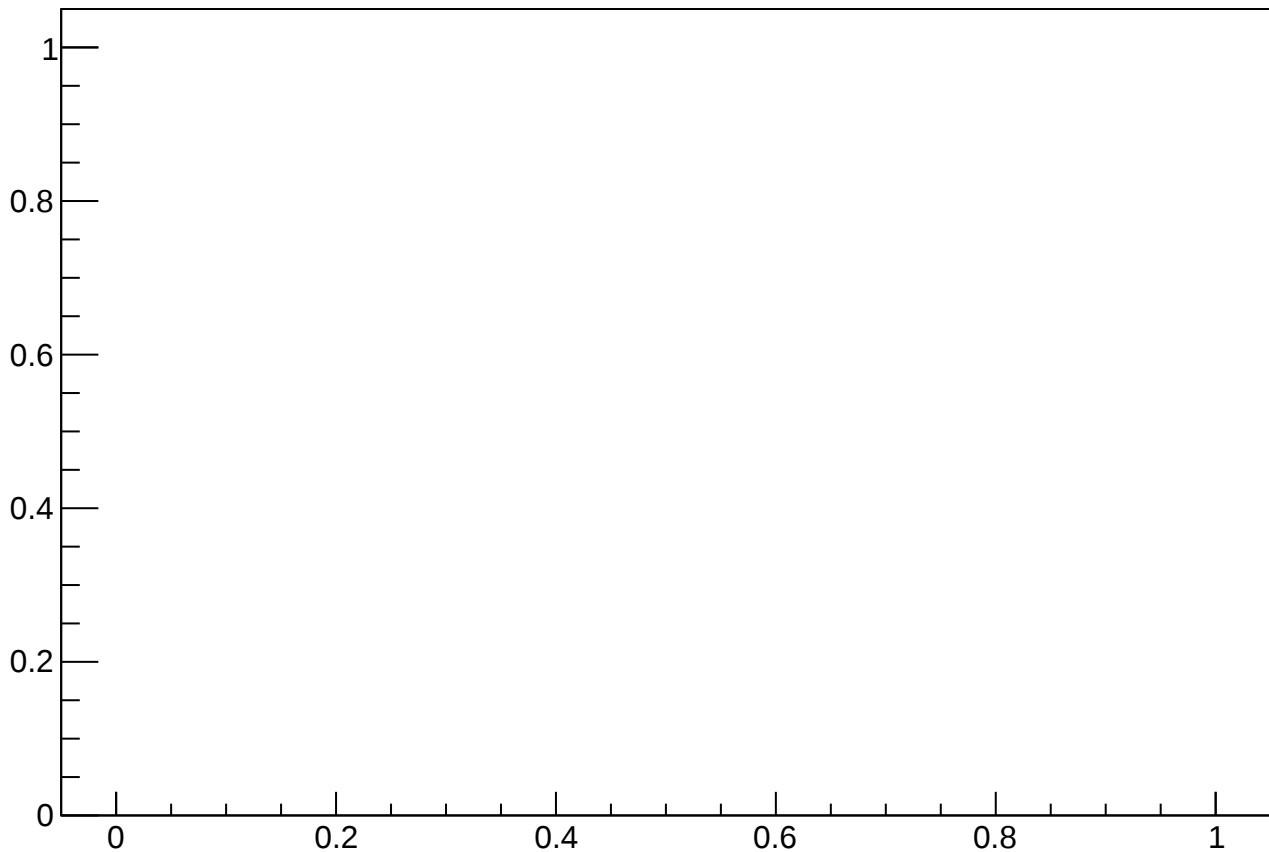
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

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: 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

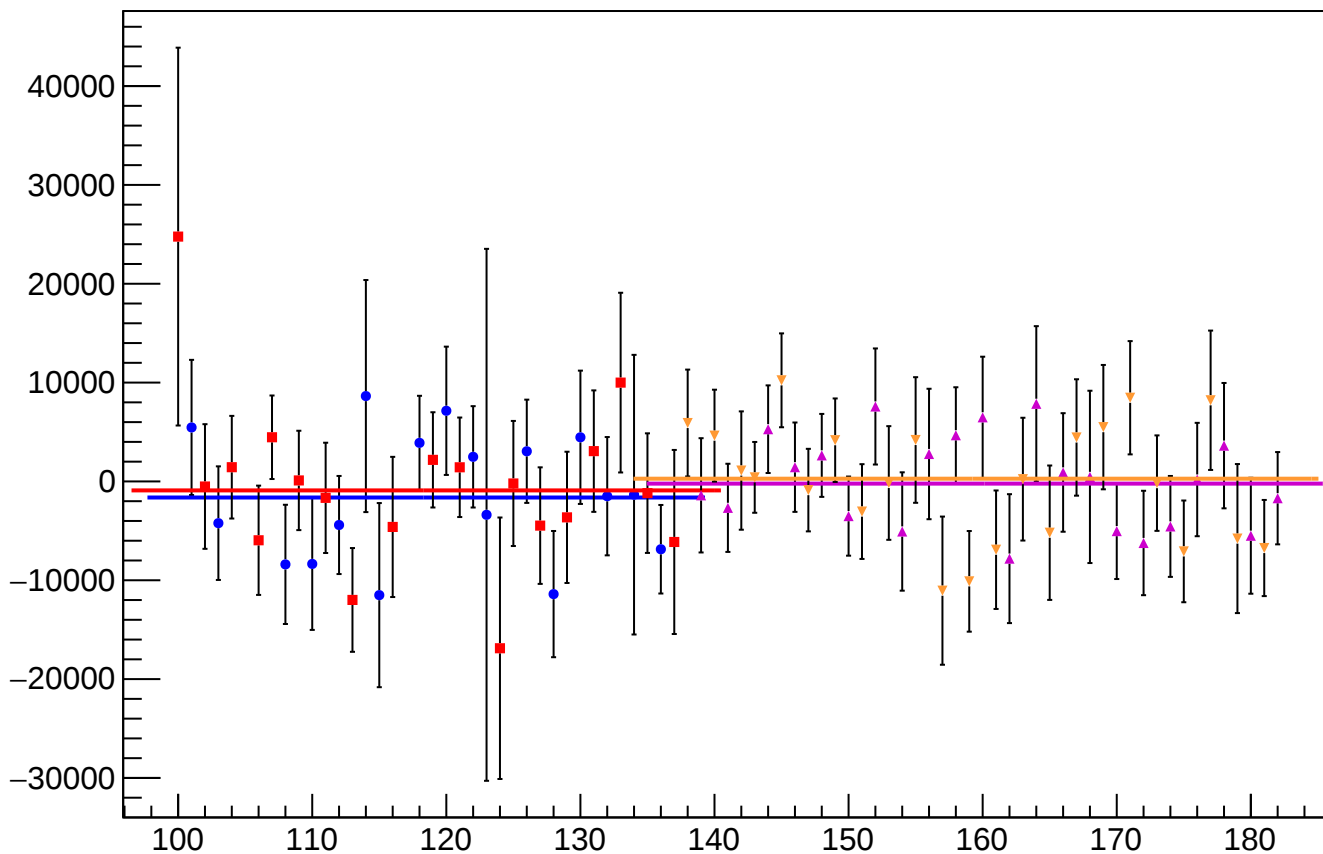
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1626.973 $\pm$ 1517.678 χ^2 /NDF: 14.9/16

Left Out: 276.275 $\pm$ 1104.649 χ^2 /NDF:26.0/22

Right Out: -908.006 $\pm$ 1381.849 χ^2 /NDF: 14.1/18

Left In: -221.972 $\pm$ 1135.417 χ^2 /NDF:14.7/21

Left: 33.994 $\pm$ 791.759 χ^2 /NDF: 40.8/44

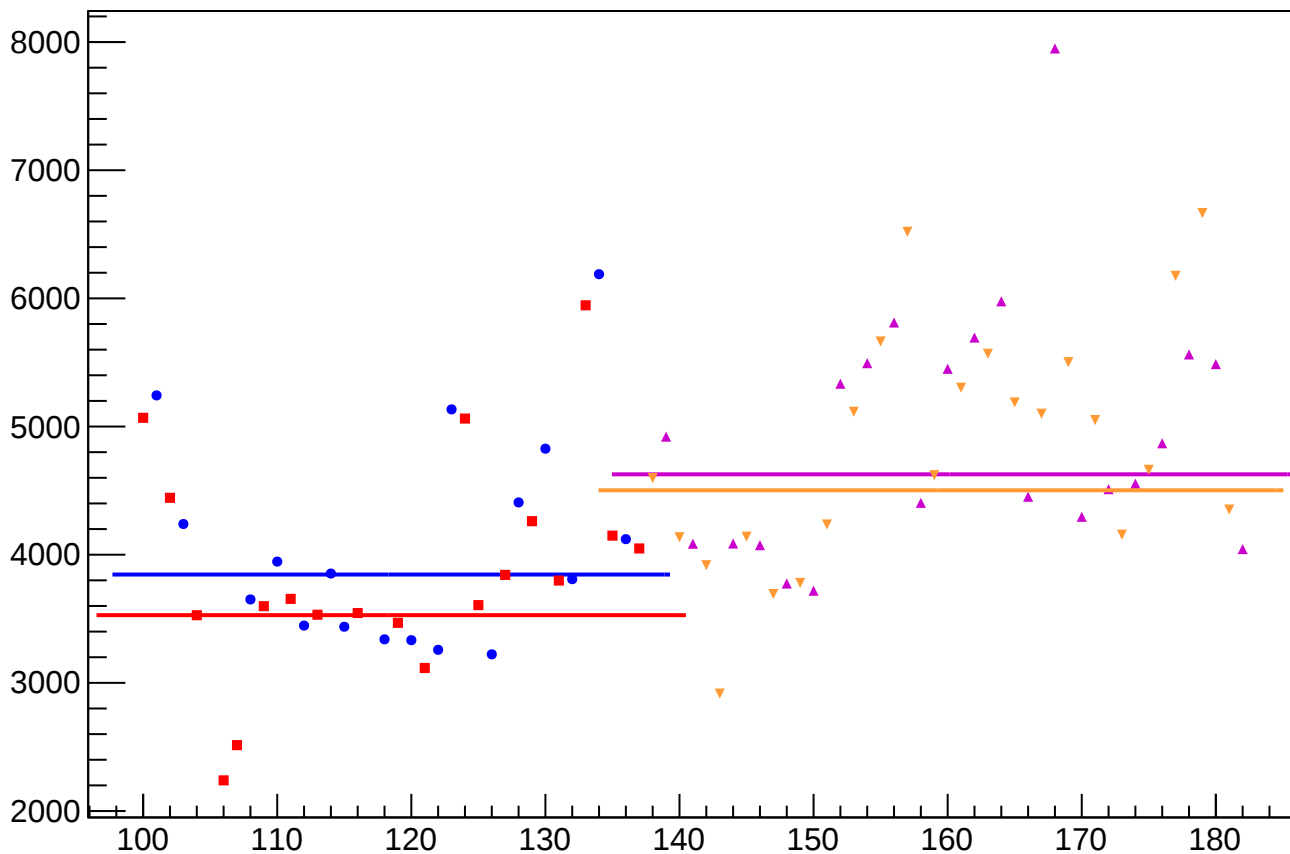
Right: -1233.883 $\pm$ 1021.768 χ^2 /NDF: 29.1/35

In: -726.155 $\pm$ 909.150 χ^2 /NDF:30.2/38

Out: -185.460 $\pm$ 862.839 χ^2 /NDF:40.5/41

All: -441.686 $\pm$ 625.851 χ^2 /NDF: 70.8/80

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3845.187+/-1.073 χ^2/NDF : 326944.8/16

Left Out: 4502.561+/-0.781 χ^2/NDF :1306953.5/22

Right Out: 3528.231+/-0.968 χ^2/NDF : 556307.5/18

Left In: 4627.265+/-0.803 χ^2/NDF :992212.6/21

Left: 4563.200+/-0.560 χ^2/NDF : 2311560.2/44

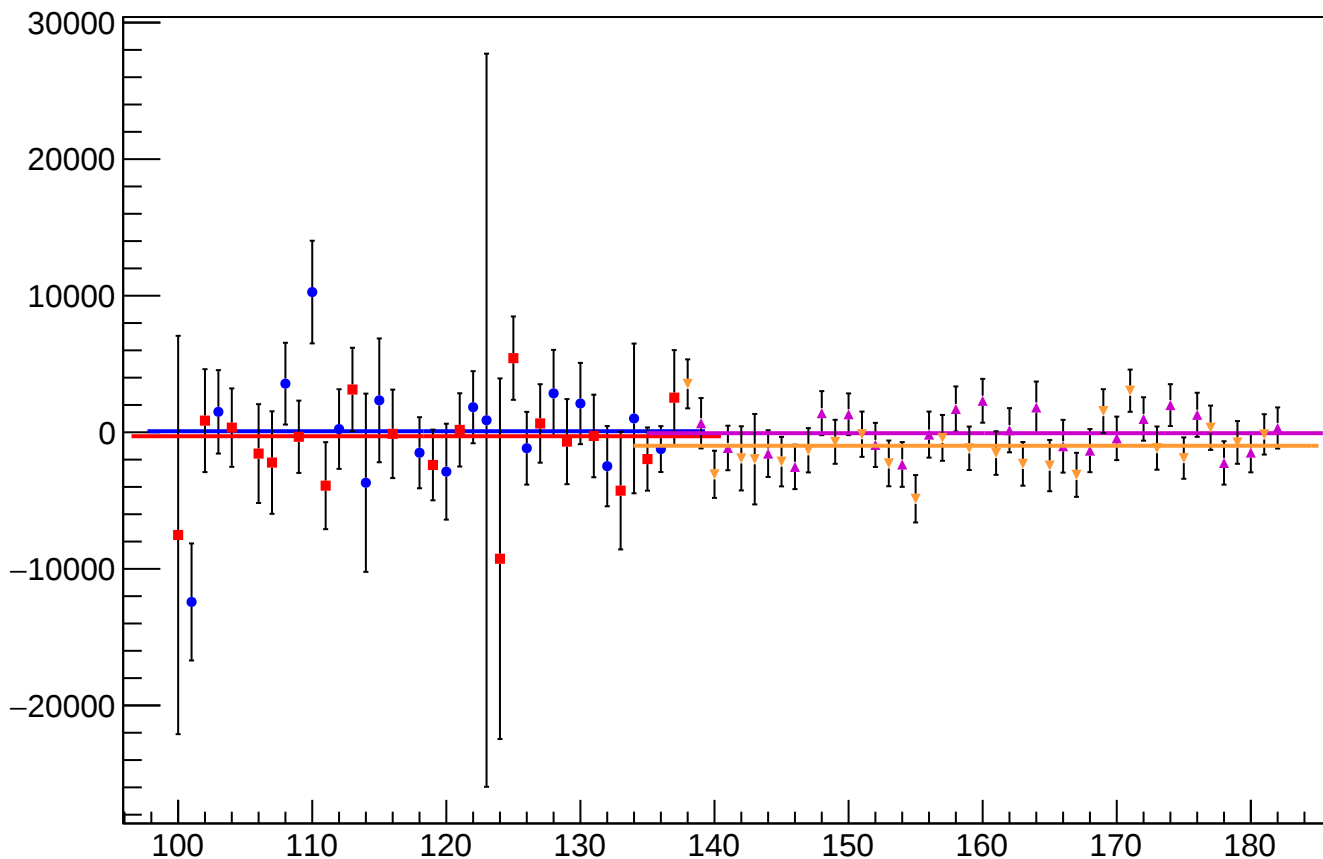
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In: 4346.607+/-0.643 χ^2/NDF :1659680.4/38

Out: 4118.424+/-0.608 χ^2/NDF :2476703.5/41

All: 4226.148+/-0.442 χ^2/NDF : 4202894.2/80

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 78.213 ± 752.844 $\chi^2/\text{NDF}: 22.4/16$

Left Out: -986.551 ± 350.678 $\chi^2/\text{NDF}: 28.4/22$

Right Out: -287.747 ± 736.056 $\chi^2/\text{NDF}: 10.1/18$

Left In: -66.529 ± 346.847 $\chi^2/\text{NDF}: 18.7/21$

Left: -521.487 ± 246.601 $\chi^2/\text{NDF}: 50.5/44$

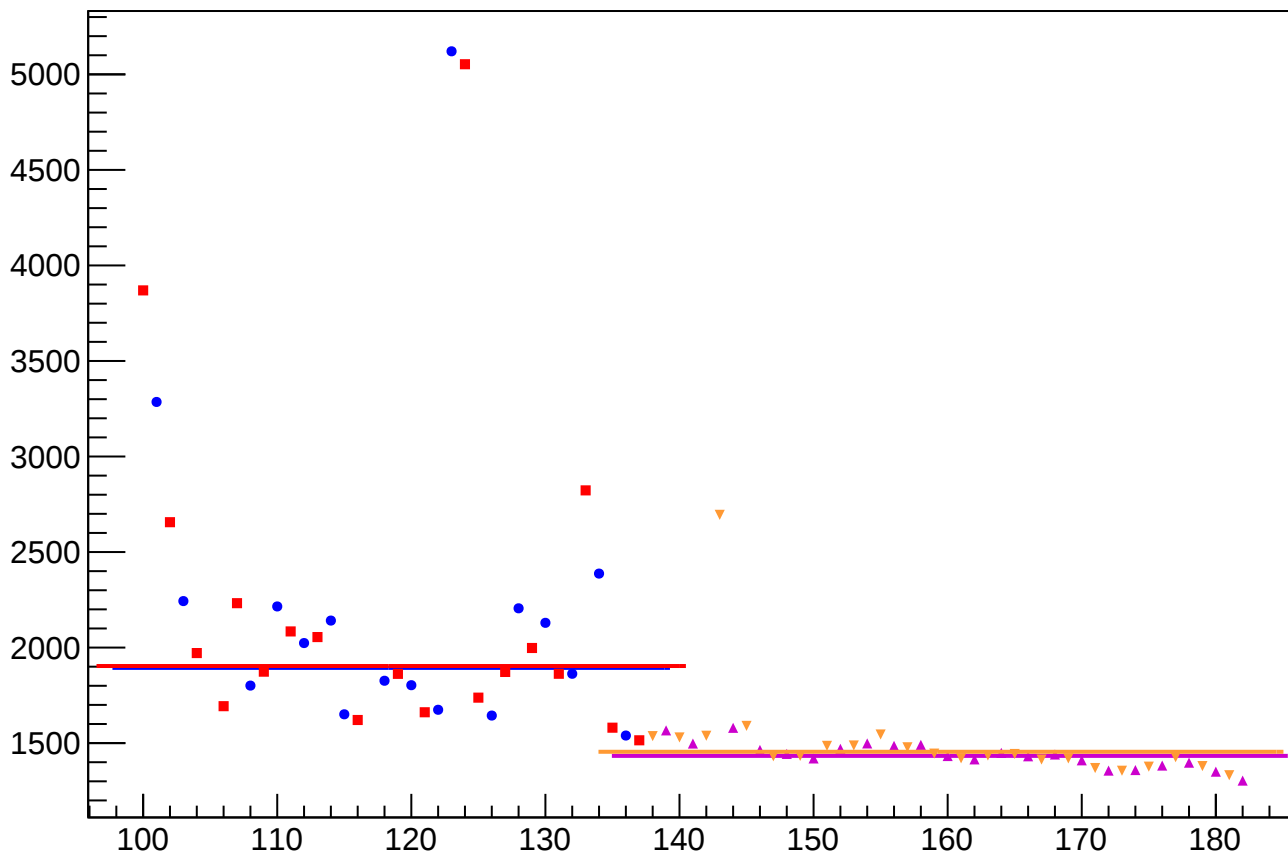
Right: -108.893 ± 526.306 $\chi^2/\text{NDF}: 32.6/35$

In: -41.186 ± 315.022 $\chi^2/\text{NDF}: 41.1/38$

Out: -857.277 ± 316.584 $\chi^2/\text{NDF}: 39.2/41$

All: -447.213 ± 223.304 $\chi^2/\text{NDF}: 83.7/80$

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1893.797 $\pm$ 0.532 χ^2 /NDF: 466447.3/16

Left Out: 1454.672 $\pm$ 0.248 χ^2 /NDF: 352054.3/22

Right Out: 1903.476 $\pm$ 0.520 χ^2 /NDF: 460230.4/18

Left In: 1433.177 $\pm$ 0.245 χ^2 /NDF: 72434.2/21

Left: 1443.806 $\pm$ 0.174 χ^2 /NDF: 428286.7/44

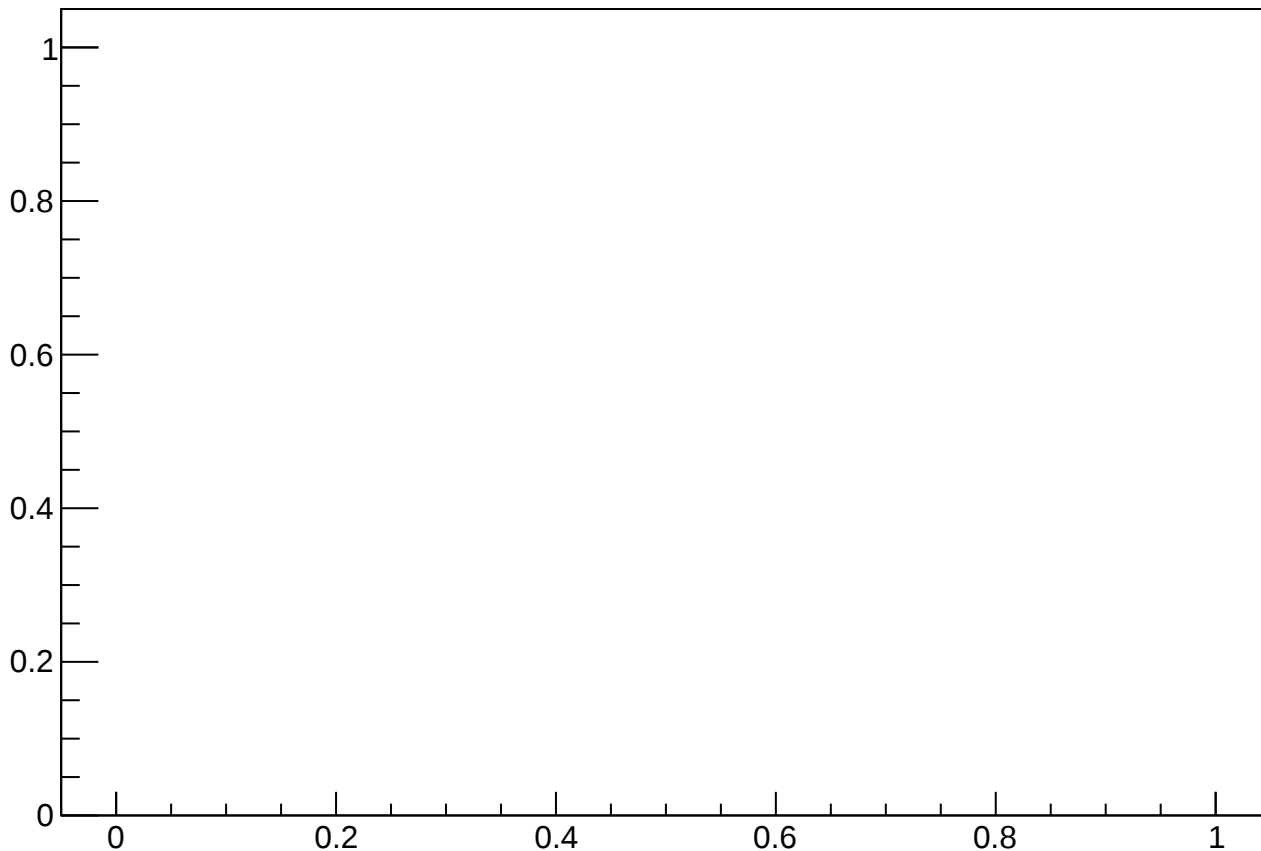
Right: 1898.746 $\pm$ 0.372 χ^2 /NDF: 926846.7/35

In: 1513.830 $\pm$ 0.223 χ^2 /NDF: 1156491.0/38

Out: 1537.700 $\pm$ 0.224 χ^2 /NDF: 1418314.3/41

All: 1525.706 $\pm$ 0.158 χ^2 /NDF: 2580518.5/80

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: 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

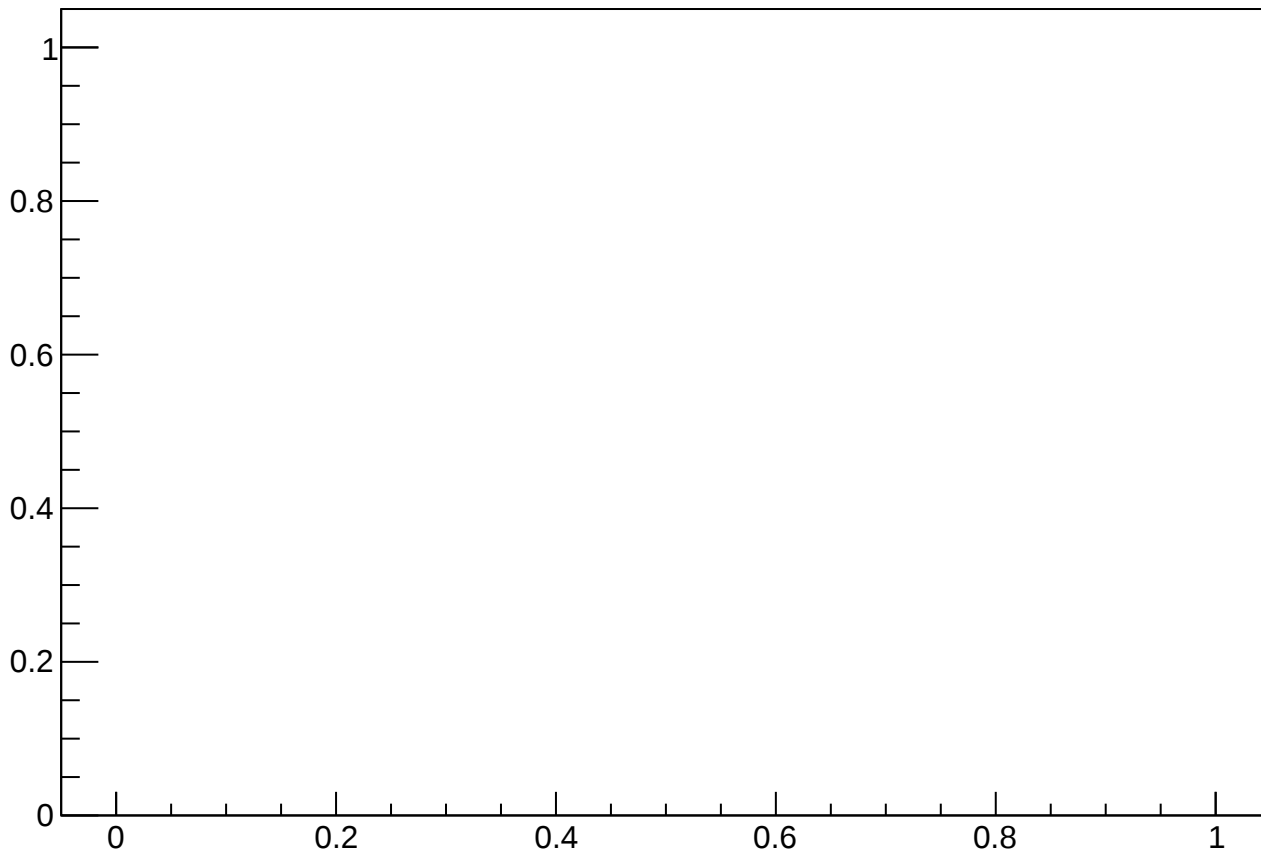
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

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: 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

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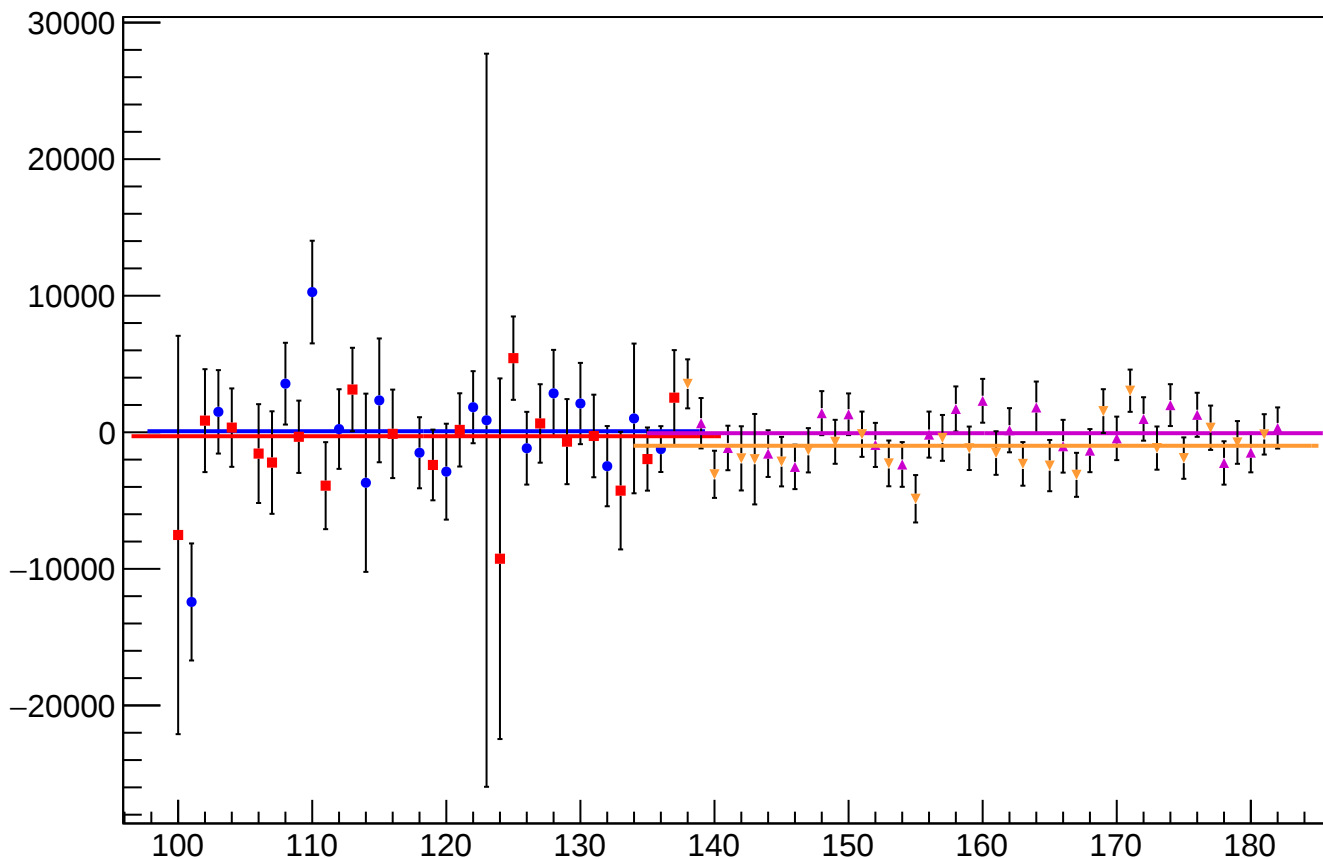
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 78.213 ± 752.844 $\chi^2/\text{NDF}: 22.4/16$

Left Out: -986.551 ± 350.678 $\chi^2/\text{NDF}: 28.4/22$

Right Out: -287.747 ± 736.056 $\chi^2/\text{NDF}: 10.1/18$

Left In: -66.529 ± 346.847 $\chi^2/\text{NDF}: 18.7/21$

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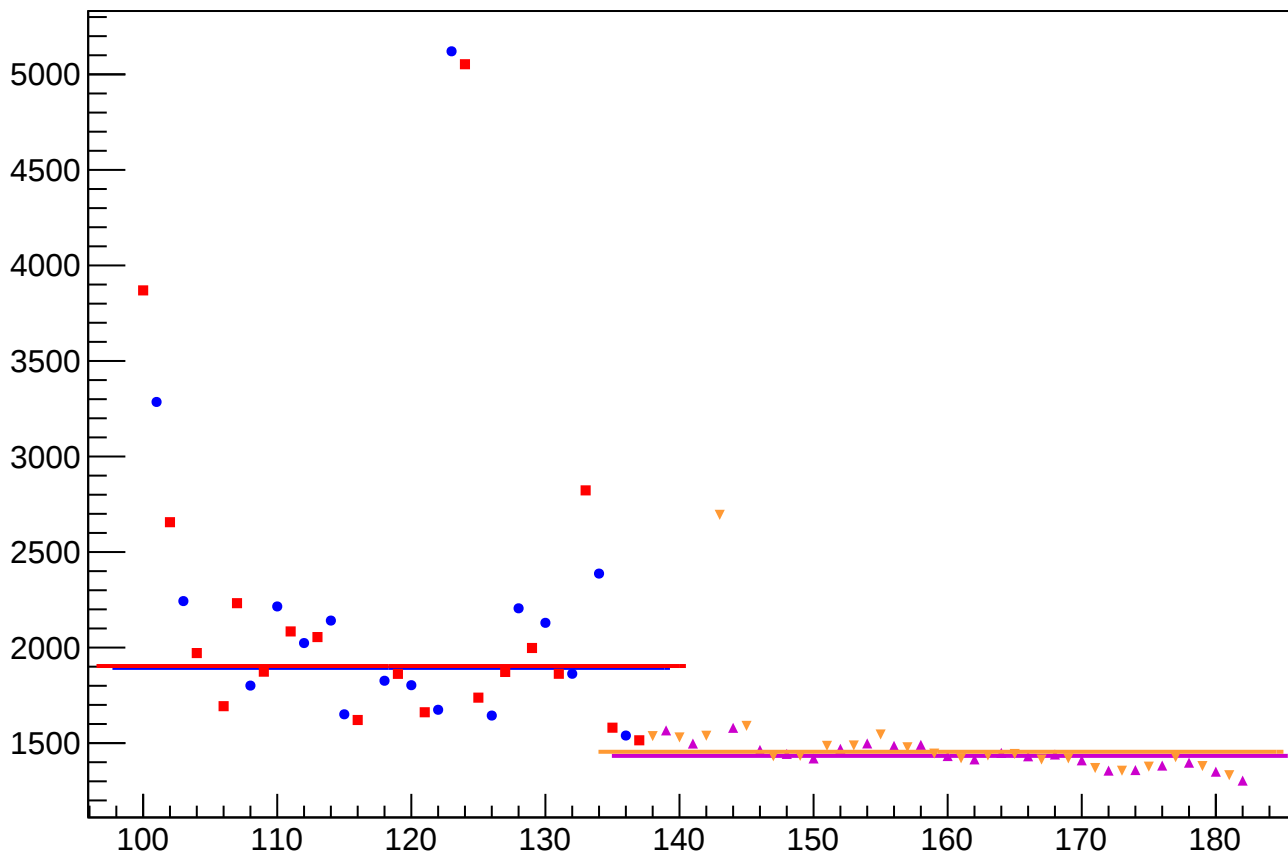
Right: -108.893 ± 526.306 $\chi^2/\text{NDF}: 32.6/35$

In: -41.186 ± 315.022 $\chi^2/\text{NDF}: 41.1/38$

Out: -857.277 ± 316.584 $\chi^2/\text{NDF}: 39.2/41$

All: -447.213 ± 223.304 $\chi^2/\text{NDF}: 83.7/80$

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1893.797 $\pm$ 0.532 χ^2 /NDF: 466447.3/16

Left Out: 1454.672 $\pm$ 0.248 χ^2 /NDF: 352054.3/22

Right Out: 1903.476 $\pm$ 0.520 χ^2 /NDF: 460230.4/18

Left In: 1433.177 $\pm$ 0.245 χ^2 /NDF: 72434.2/21

Left: 1443.806 $\pm$ 0.174 χ^2 /NDF: 428286.7/44

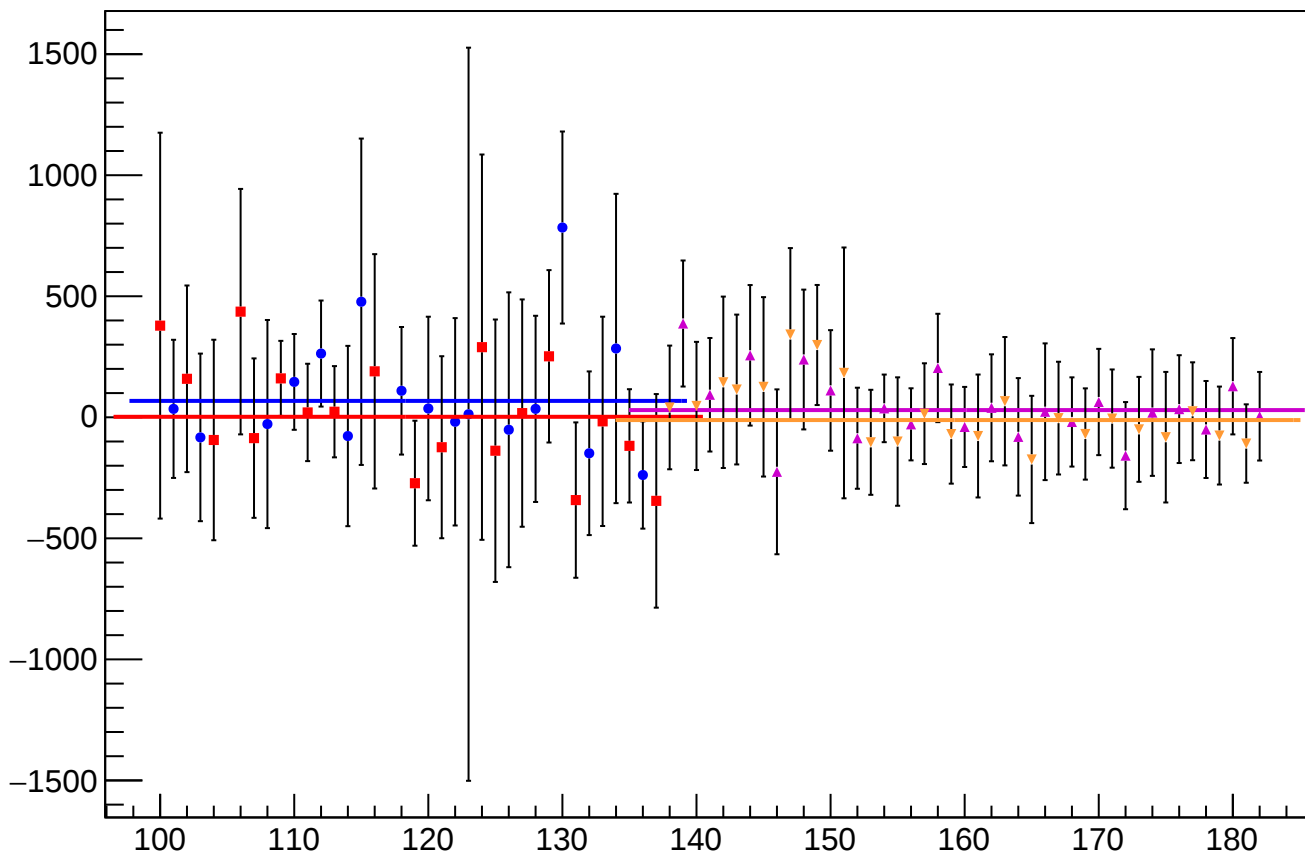
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In: 1513.830 $\pm$ 0.223 χ^2 /NDF: 1156491.0/38

Out: 1537.700 $\pm$ 0.224 χ^2 /NDF: 1418314.3/41

All: 1525.706 $\pm$ 0.158 χ^2 /NDF: 2580518.5/80

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.747 $\pm$ 79.837 χ^2 /NDF: 7.5/16

Left Out: -11.444 $\pm$ 49.834 χ^2 /NDF:4.9/22

Right Out: 2.060 $\pm$ 70.020 χ^2 /NDF: 6.4/18

Left In: 29.776 $\pm$ 45.043 χ^2 /NDF:6.5/21

Left: 11.242 $\pm$ 33.416 χ^2 /NDF: 11.7/44

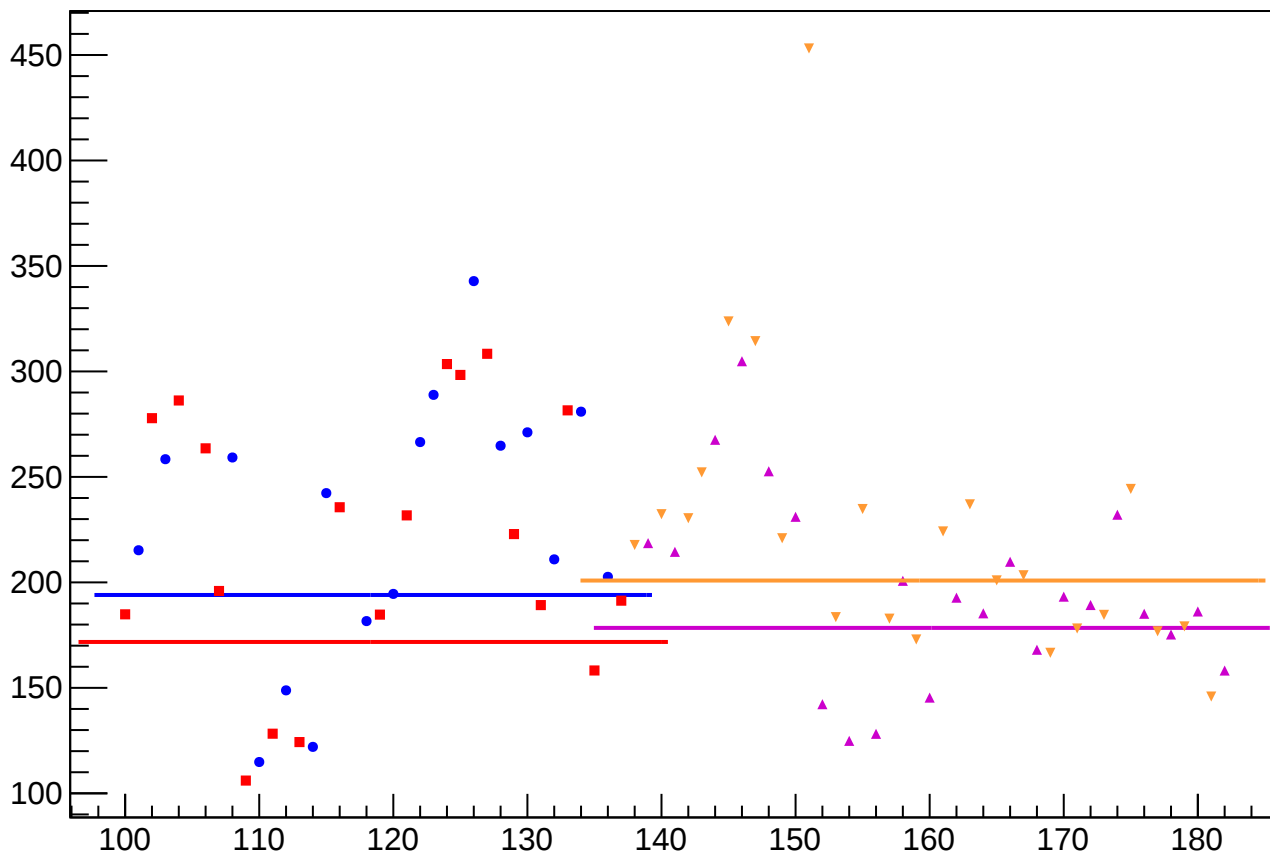
Right: 30.619 $\pm$ 52.642 χ^2 /NDF: 14.4/35

In: 38.945 $\pm$ 39.230 χ^2 /NDF:14.2/38

Out: -6.904 $\pm$ 40.601 χ^2 /NDF:11.3/41

All: 16.808 $\pm$ 28.212 χ^2 /NDF: 26.2/80

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.032 $\pm$ 0.056 χ^2 /NDF: 1011944.3/16

Left Out: 200.873 $\pm$ 0.035 χ^2 /NDF:1603021.5/22

Right Out: 171.760 $\pm$ 0.050 χ^2 /NDF: 1571617.5/18

Left In: 178.426 $\pm$ 0.032 χ^2 /NDF:1631187.0/21

Left: 188.519 $\pm$ 0.024 χ^2 /NDF: 3457548.0/44

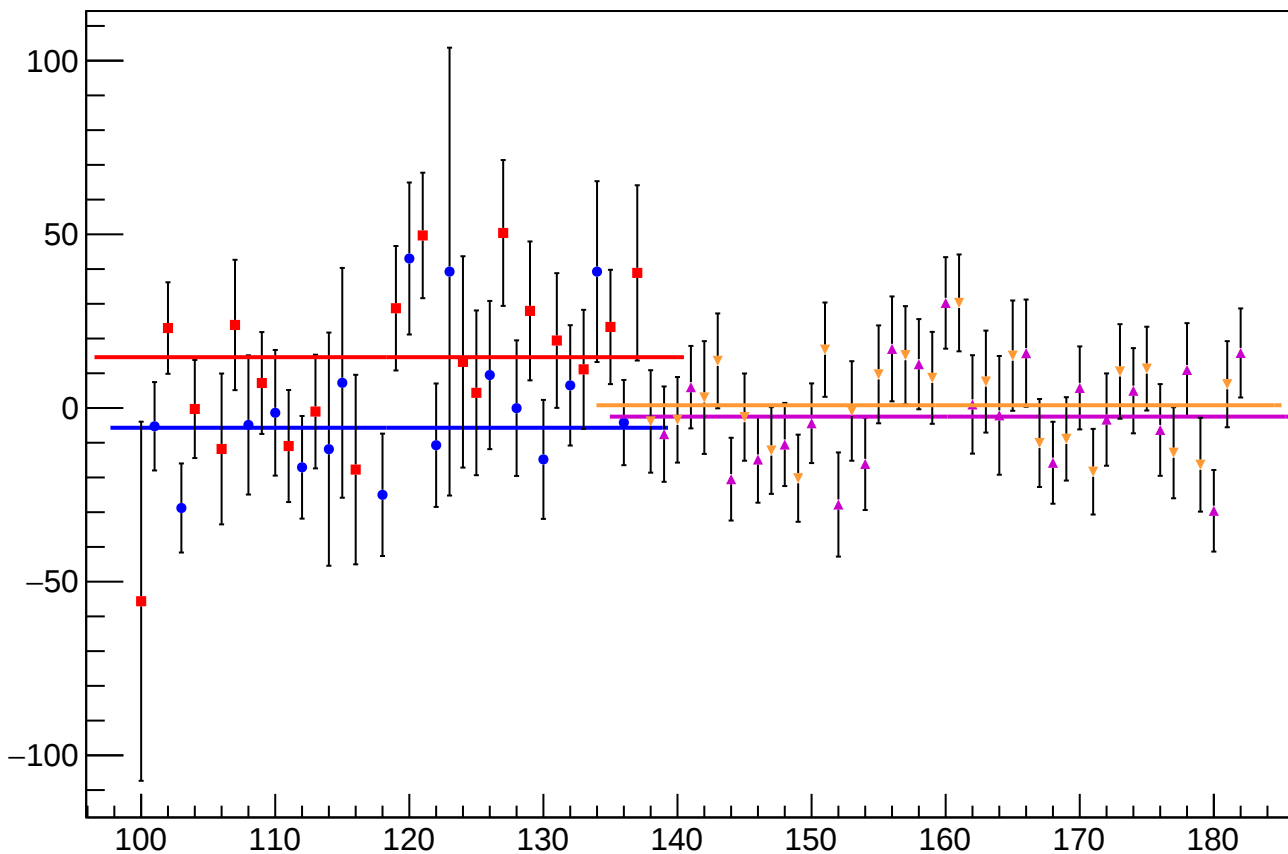
Right: 181.444 $\pm$ 0.037 χ^2 /NDF: 2671535.4/35

In: 182.194 $\pm$ 0.028 χ^2 /NDF:2701102.2/38

Out: 191.085 $\pm$ 0.029 χ^2 /NDF:3404134.5/41

All: 186.487 $\pm$ 0.020 χ^2 /NDF: 6154835.5/80

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.687 ± 4.361 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 0.793 ± 2.783 $\chi^2/\text{NDF}: 21.8/22$

Right Out: 14.630 ± 4.271 $\chi^2/\text{NDF}: 19.4/18$

Left In: -2.484 ± 2.770 $\chi^2/\text{NDF}: 29.5/21$

Left: -0.854 ± 1.963 $\chi^2/\text{NDF}: 52.0/44$

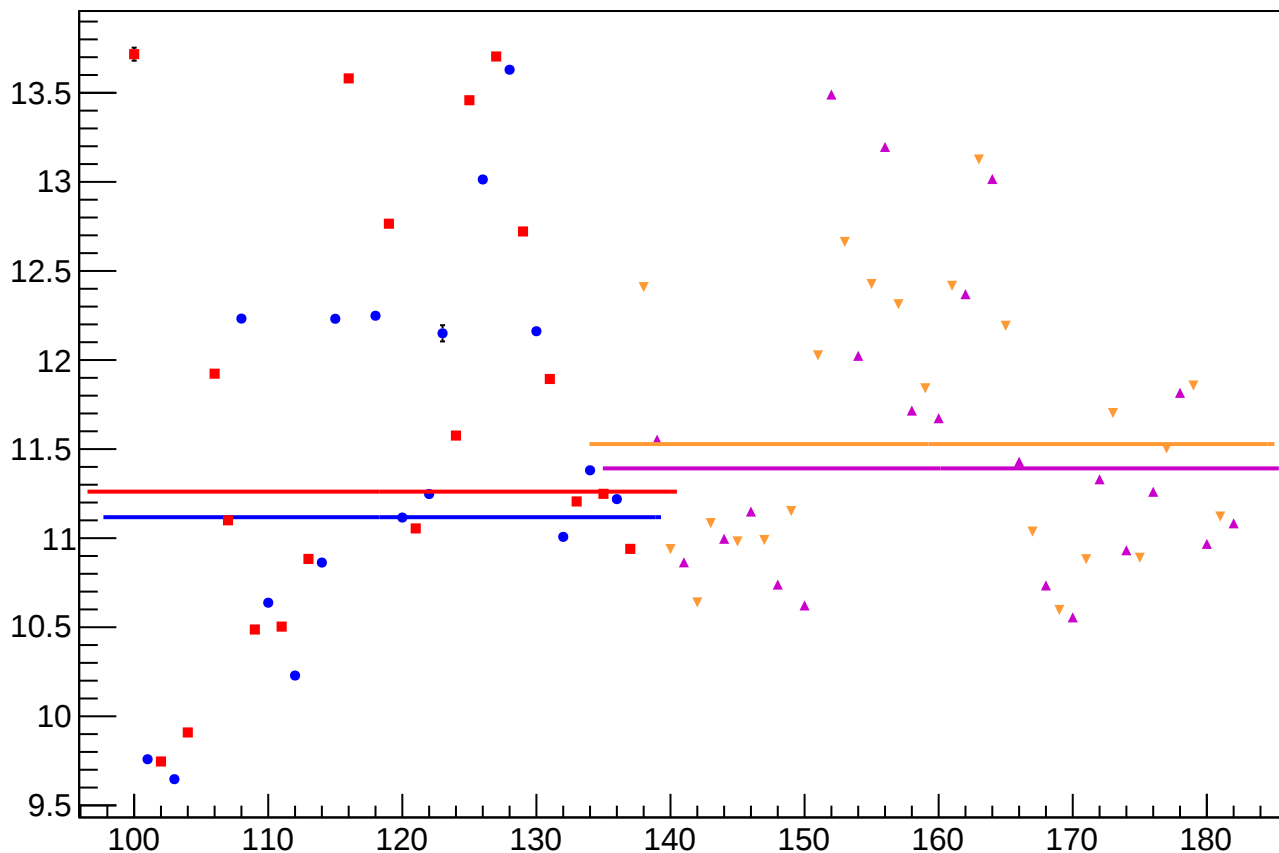
Right: 4.683 ± 3.052 $\chi^2/\text{NDF}: 45.7/35$

In: -3.405 ± 2.338 $\chi^2/\text{NDF}: 45.1/38$

Out: 4.917 ± 2.332 $\chi^2/\text{NDF}: 48.6/41$

All: 0.767 ± 1.651 $\chi^2/\text{NDF}: 100.0/80$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.118 $\pm$ 0.003 χ^2 /NDF: 131951.0/16

Left Out: 11.528 $\pm$ 0.002 χ^2 /NDF:124924.3/22

Right Out: 11.261 $\pm$ 0.003 χ^2 /NDF: 148698.3/18

Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:148956.5/21

Left: 11.460 $\pm$ 0.001 χ^2 /NDF: 276296.5/44

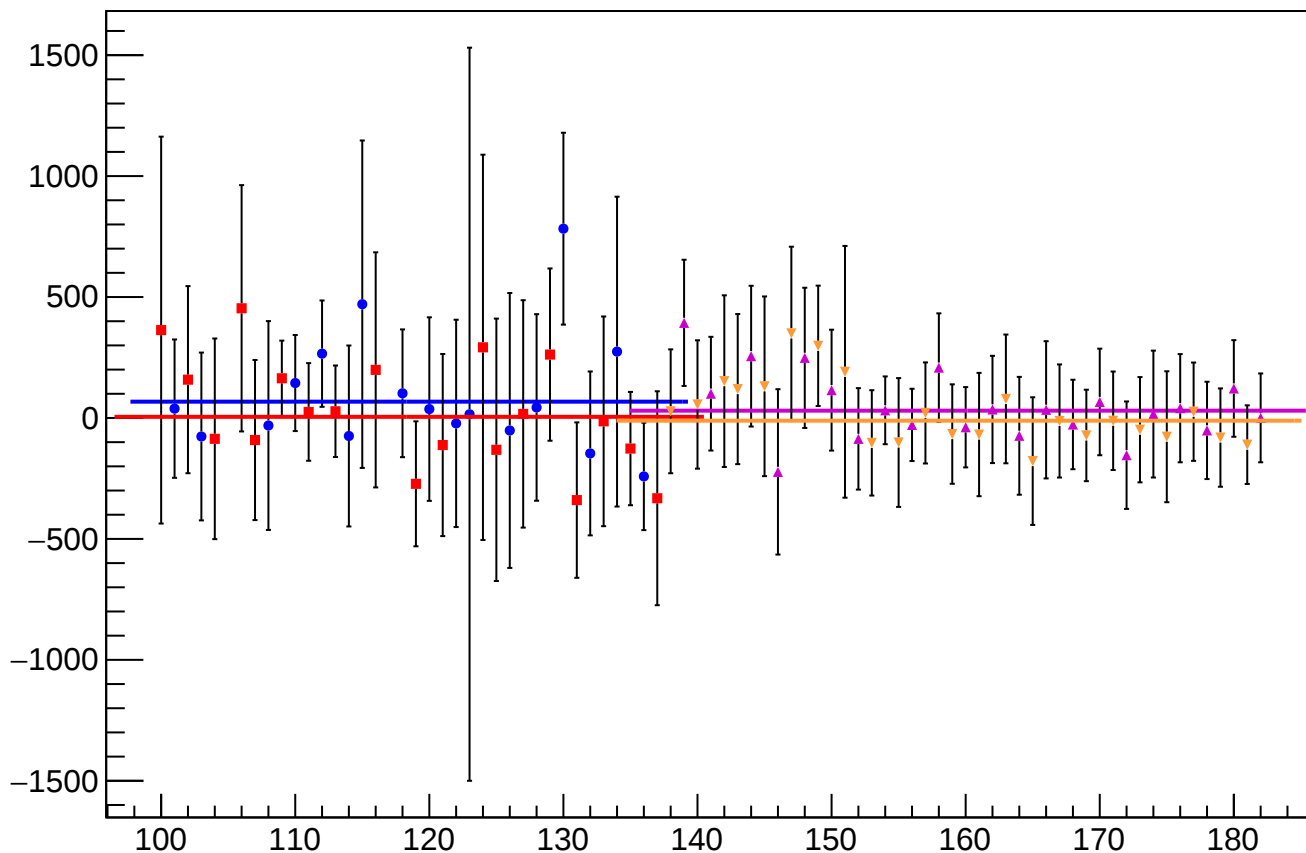
Right: 11.191 $\pm$ 0.002 χ^2 /NDF: 281753.5/35

In: 11.313 $\pm$ 0.002 χ^2 /NDF:286531.3/38

Out: 11.449 $\pm$ 0.002 χ^2 /NDF:279107.6/41

All: 11.381 $\pm$ 0.001 χ^2 /NDF: 569013.1/80

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.460 $\pm$ 80.048 χ^2 /NDF: 7.5/16

Left Out: -11.181 $\pm$ 50.019 χ^2 /NDF:5.0/22

Right Out: 4.719 $\pm$ 70.224 χ^2 /NDF: 6.5/18

Left In: 30.285 $\pm$ 45.203 χ^2 /NDF:6.5/21

Left: 11.644 $\pm$ 33.537 χ^2 /NDF: 11.9/44

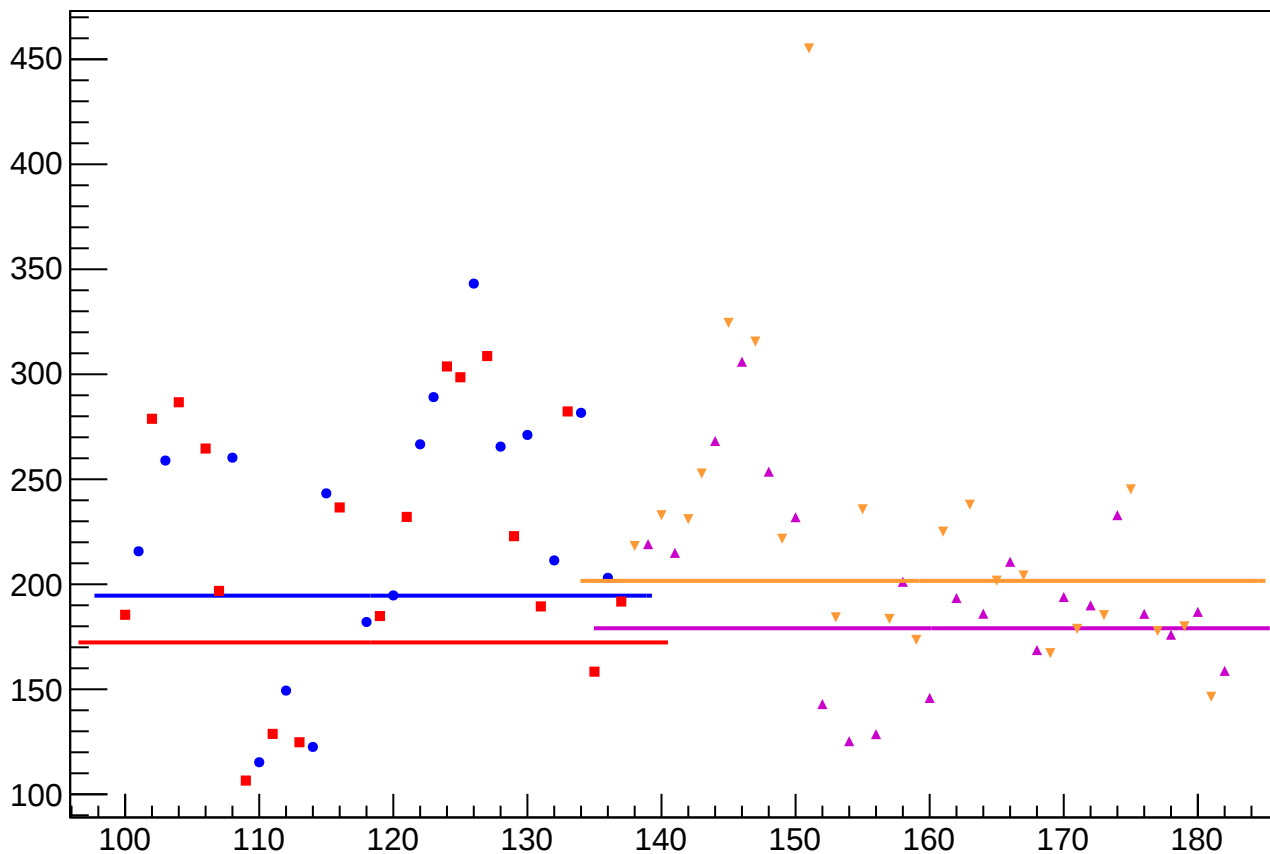
Right: 32.005 $\pm$ 52.789 χ^2 /NDF: 14.4/35

In: 39.273 $\pm$ 39.361 χ^2 /NDF:14.2/38

Out: -5.829 $\pm$ 40.741 χ^2 /NDF:11.5/41

All: 17.499 $\pm$ 28.308 χ^2 /NDF: 26.4/80

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.582 $\pm$ 0.057 χ^2 /NDF: 1006984.2/16

Left Out: 201.623 $\pm$ 0.035 χ^2 /NDF:1600553.2/22

Right Out: 172.312 $\pm$ 0.050 χ^2 /NDF: 1564323.1/18

Left In: 179.061 $\pm$ 0.032 χ^2 /NDF:1629433.9/21

Left: 189.204 $\pm$ 0.024 χ^2 /NDF: 3453981.5/44

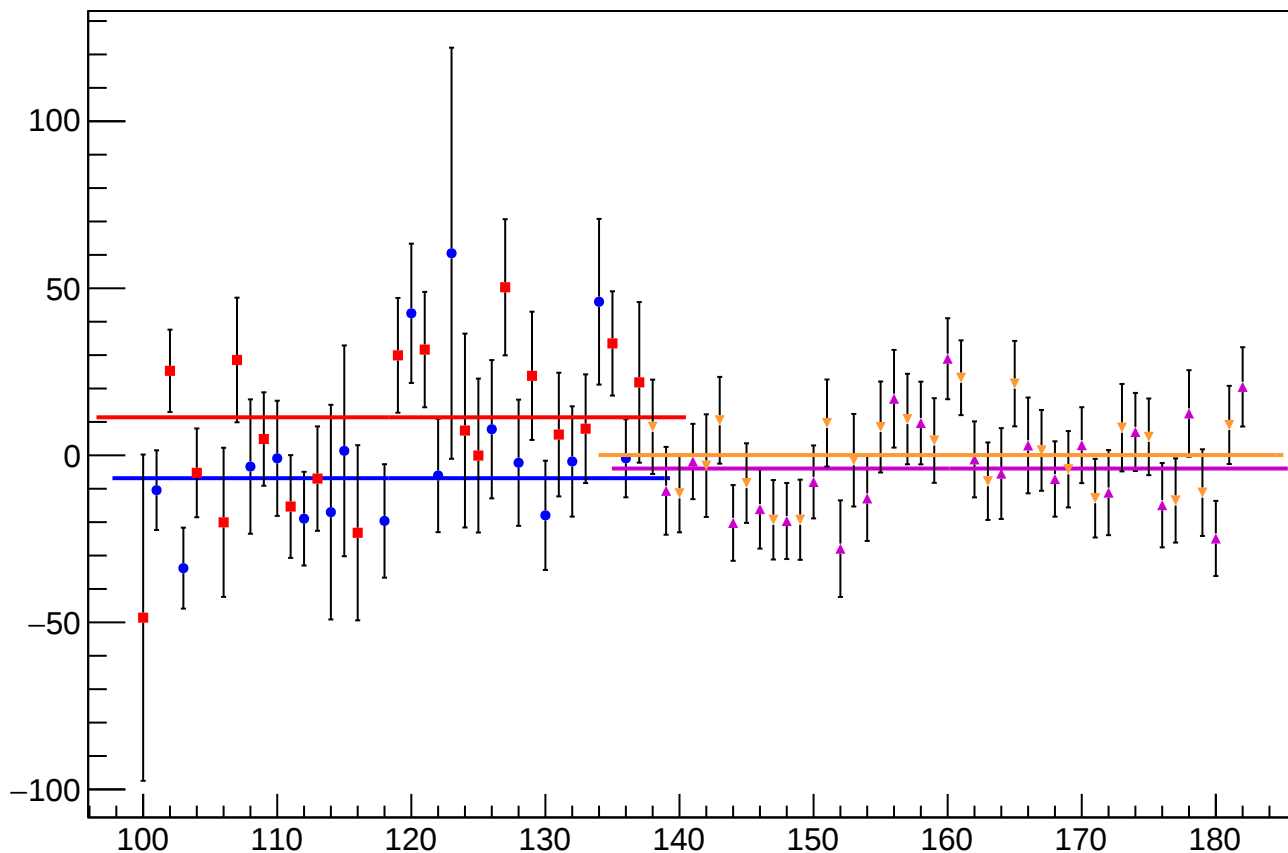
Right: 181.998 $\pm$ 0.037 χ^2 /NDF: 2658784.2/35

In: 182.814 $\pm$ 0.028 χ^2 /NDF:2693431.2/38

Out: 191.758 $\pm$ 0.029 χ^2 /NDF:3396032.6/41

All: 187.132 $\pm$ 0.020 χ^2 /NDF: 6139318.6/80

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.841 ± 4.162 χ^2/NDF : 19.4/16

Left Out: 0.083 ± 2.599 χ^2/NDF : 21.5/22

Right Out: 11.383 ± 4.086 χ^2/NDF : 22.7/18

Left In: -3.949 ± 2.600 χ^2/NDF : 31.3/21

Left: -1.933 ± 1.838 χ^2/NDF : 54.0/44

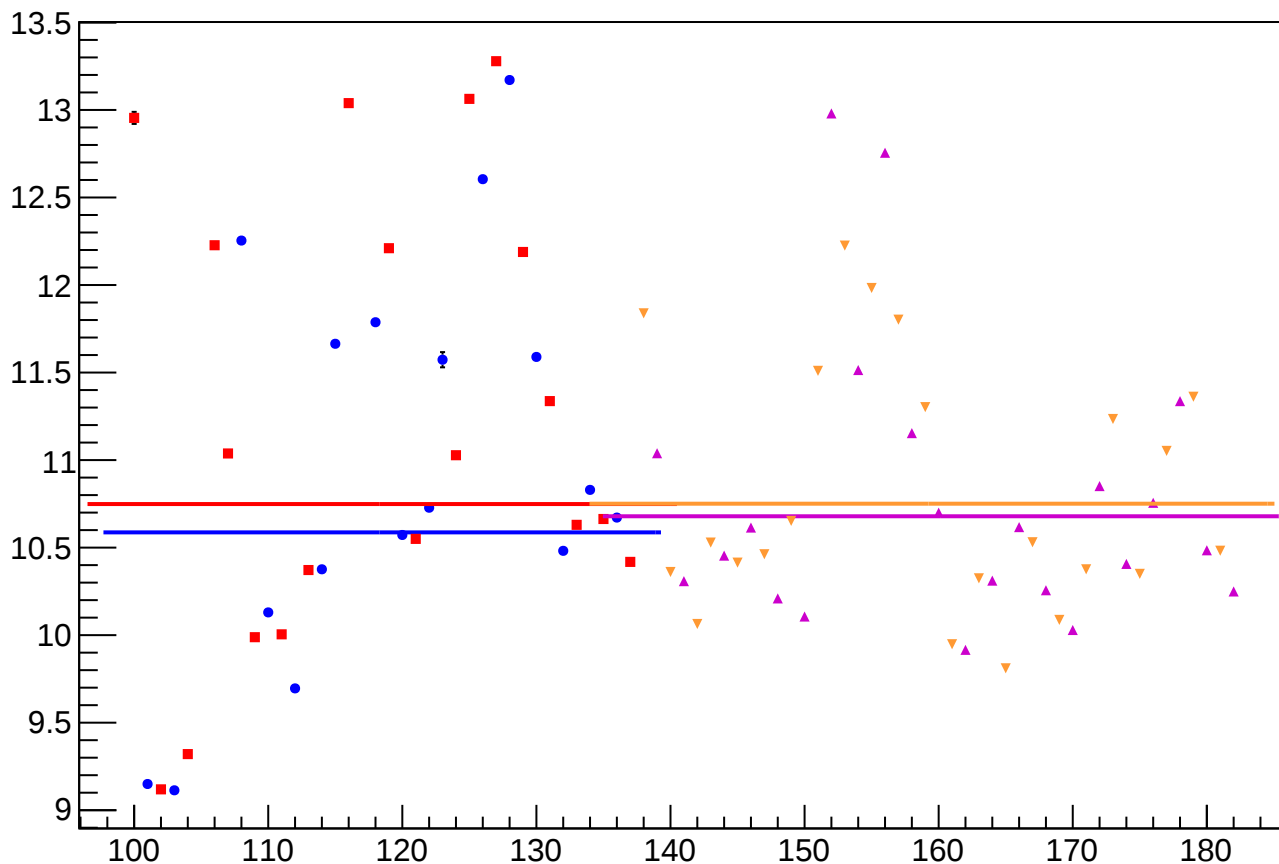
Right: 2.439 ± 2.915 χ^2/NDF : 51.9/35

In: -4.761 ± 2.205 χ^2/NDF : 51.1/38

Out: 3.339 ± 2.193 χ^2/NDF : 49.6/41

All: -0.689 ± 1.555 χ^2/NDF : 107.5/80

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.587 ± 0.003 χ^2/NDF : 159222.7/16

Left Out: 10.751 ± 0.002 χ^2/NDF : 128322.5/22

Right Out: 10.749 ± 0.003 χ^2/NDF : 178183.6/18

Left In: 10.679 ± 0.002 χ^2/NDF : 145711.9/21

Left: 10.715 ± 0.001 χ^2/NDF : 274796.8/44

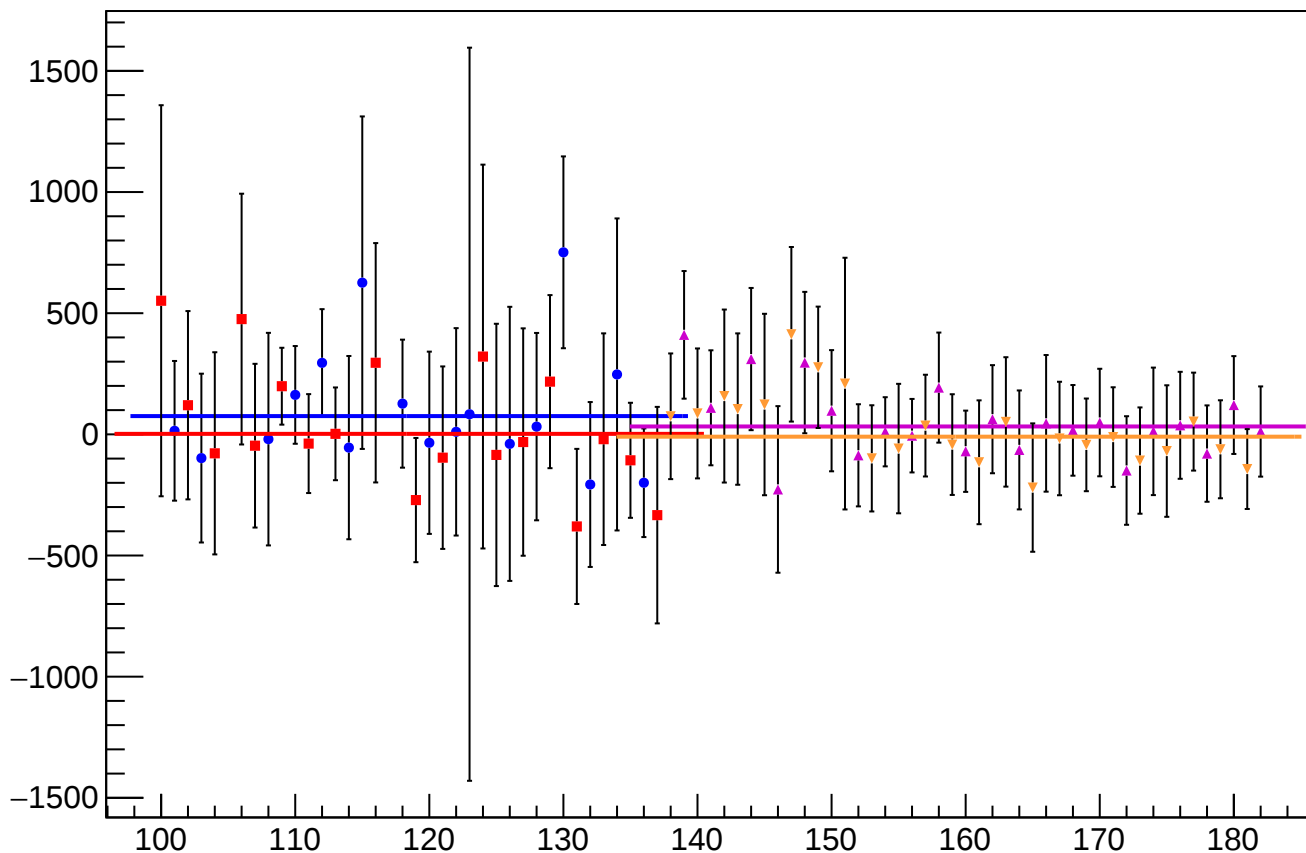
Right: 10.669 ± 0.002 χ^2/NDF : 338945.8/35

In: 10.653 ± 0.002 χ^2/NDF : 305637.8/38

Out: 10.750 ± 0.002 χ^2/NDF : 306506.5/41

All: 10.702 ± 0.001 χ^2/NDF : 614091.3/80

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.370 $\pm$ 80.583 χ^2 /NDF: 7.7/16

Left Out: -9.584 $\pm$ 50.318 χ^2 /NDF: 5.8/22

Right Out: 2.048 $\pm$ 70.896 χ^2 /NDF: 7.3/18

Left In: 32.568 $\pm$ 45.559 χ^2 /NDF: 7.2/21

Left: 13.579 $\pm$ 33.773 χ^2 /NDF: 13.4/44

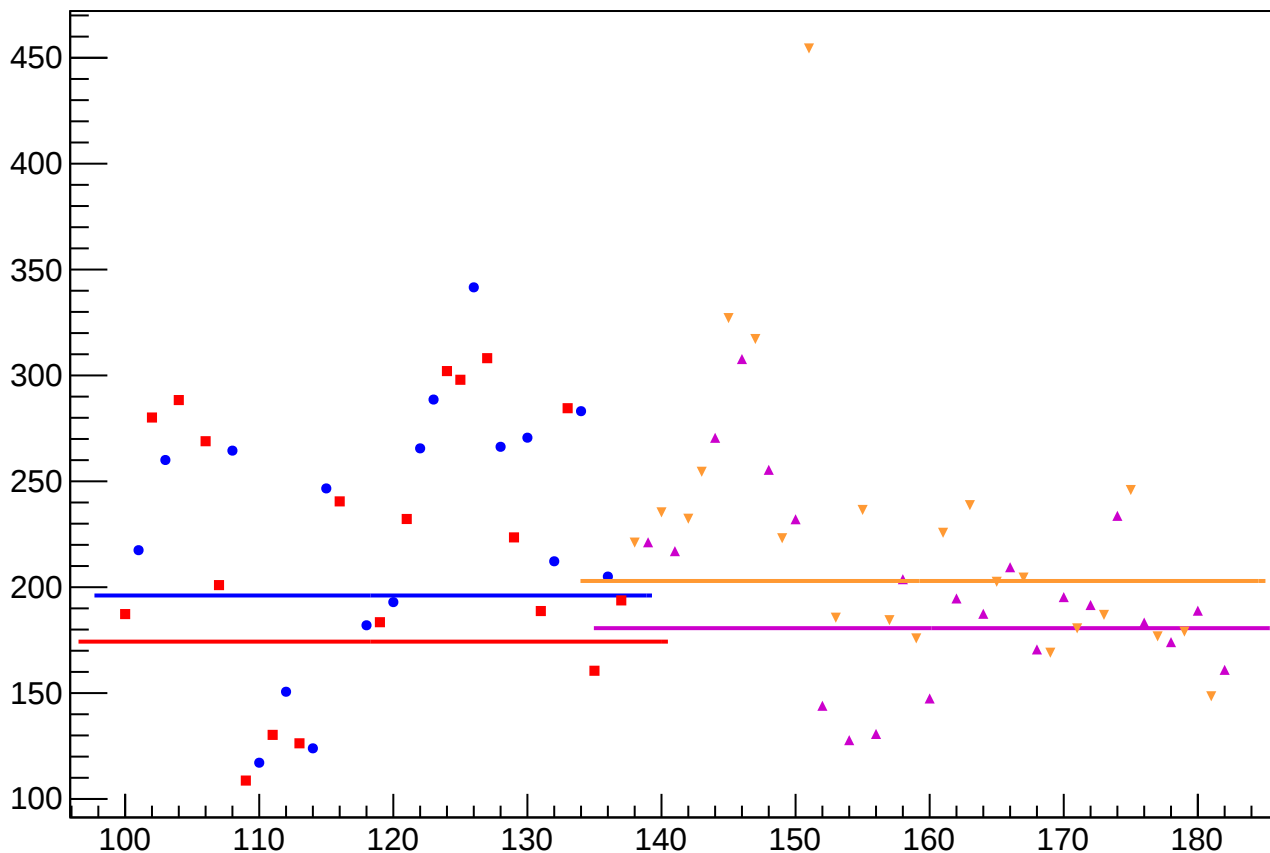
Right: 34.039 $\pm$ 53.228 χ^2 /NDF: 15.5/35

In: 42.935 $\pm$ 39.660 χ^2 /NDF: 15.0/38

Out: -5.687 $\pm$ 41.033 χ^2 /NDF: 13.2/41

All: 19.451 $\pm$ 28.517 χ^2 /NDF: 28.9/80

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.085 $\pm$ 0.057 χ^2 /NDF: 981134.1/16

Left Out: 202.942 $\pm$ 0.036 χ^2 /NDF:1582459.1/22

Right Out: 174.302 $\pm$ 0.050 χ^2 /NDF: 1523885.0/18

Left In: 180.659 $\pm$ 0.032 χ^2 /NDF:1581651.2/21

Left: 190.697 $\pm$ 0.024 χ^2 /NDF: 3379625.1/44

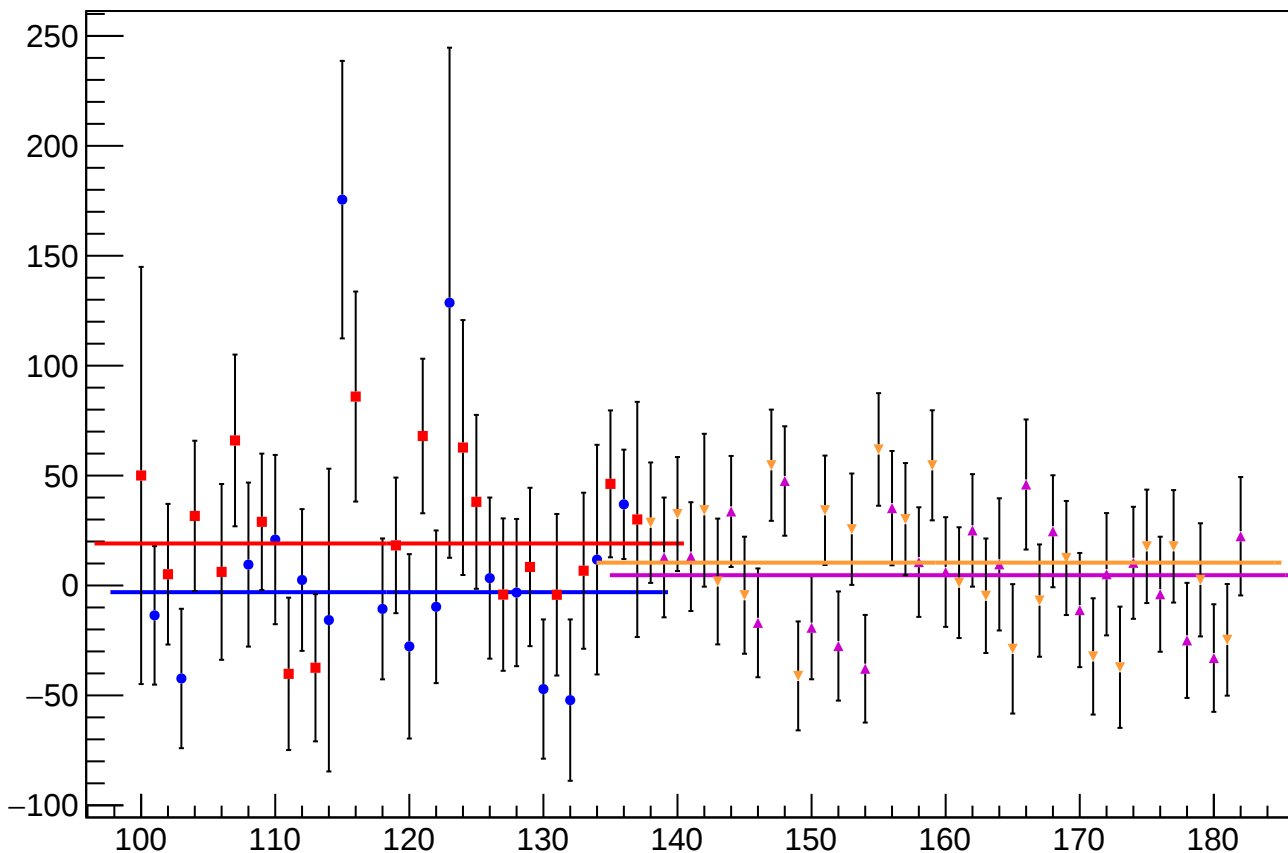
Right: 183.806 $\pm$ 0.038 χ^2 /NDF: 2587403.7/35

In: 184.396 $\pm$ 0.028 χ^2 /NDF:2618322.8/38

Out: 193.348 $\pm$ 0.029 χ^2 /NDF:3323395.9/41

All: 188.719 $\pm$ 0.020 χ^2 /NDF: 5990930.1/80

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.043 ± 8.901 χ^2/NDF : 18.4/16

Left Out: 10.392 ± 5.475 χ^2/NDF : 28.9/22

Right Out: 19.112 ± 8.574 χ^2/NDF : 14.3/18

Left In: 4.681 ± 5.489 χ^2/NDF : 20.3/21

Left: 7.543 ± 3.876 χ^2/NDF : 49.8/44

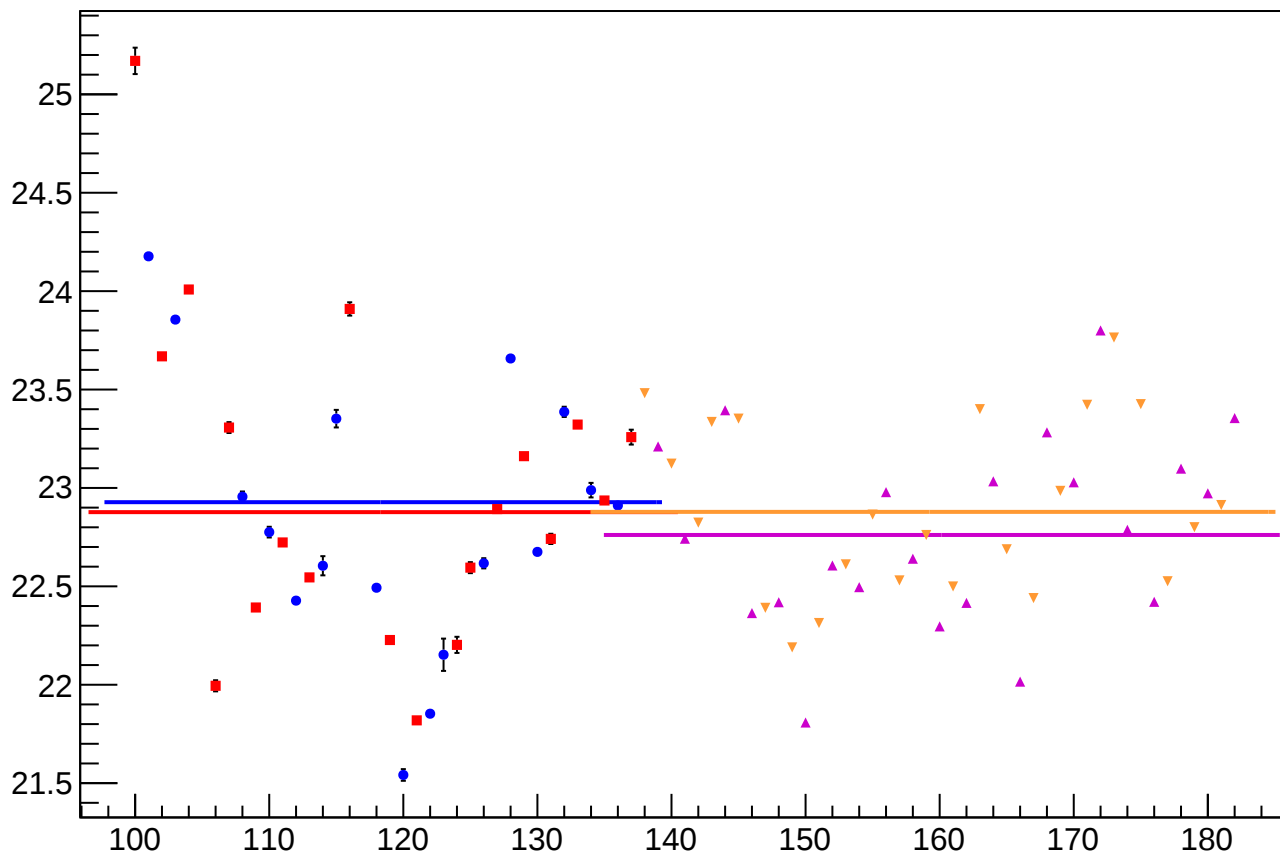
Right: 8.449 ± 6.175 χ^2/NDF : 35.9/35

In: 2.553 ± 4.672 χ^2/NDF : 39.2/38

Out: 12.918 ± 4.615 χ^2/NDF : 44.0/41

All: 7.799 ± 3.283 χ^2/NDF : 85.6/80

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.928 $\pm$ 0.006 χ^2 /NDF: 11600.9/16

Left Out: 22.878 $\pm$ 0.004 χ^2 /NDF:12425.7/22

Right Out: 22.877 $\pm$ 0.006 χ^2 /NDF: 11098.9/18

Left In: 22.761 $\pm$ 0.004 χ^2 /NDF:14622.7/21

Left: 22.820 $\pm$ 0.003 χ^2 /NDF: 27506.7/44

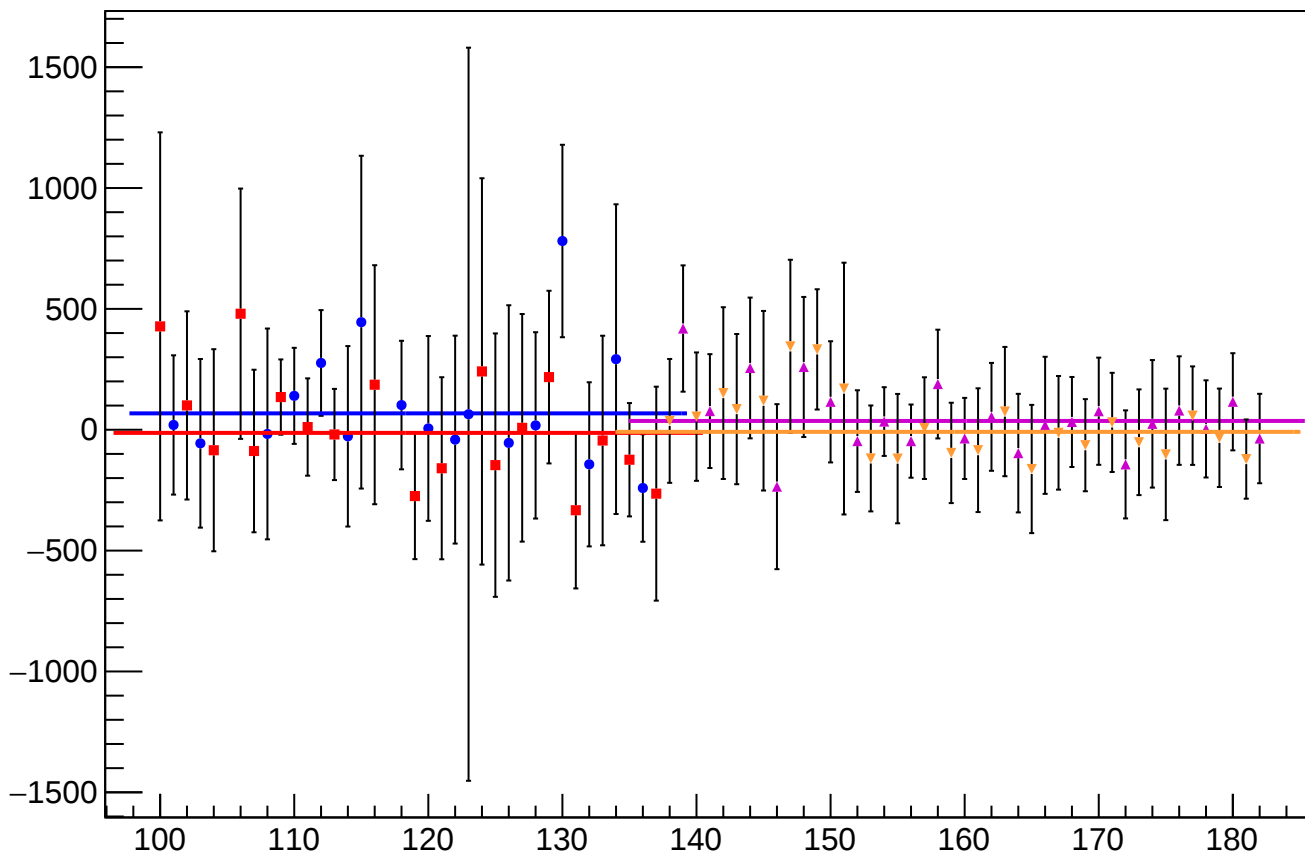
Right: 22.901 $\pm$ 0.004 χ^2 /NDF: 22733.3/35

In: 22.807 $\pm$ 0.003 χ^2 /NDF:26731.2/38

Out: 22.878 $\pm$ 0.003 χ^2 /NDF:23524.7/41

All: 22.843 $\pm$ 0.002 χ^2 /NDF: 50490.1/80

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.779 $\pm$ 80.229 χ^2 /NDF: 7.4/16

Left Out: -8.673 $\pm$ 50.258 χ^2 /NDF:5.5/22

Right Out: -13.007 $\pm$ 70.398 χ^2 /NDF: 5.7/18

Left In: 36.402 $\pm$ 45.495 χ^2 /NDF:6.5/21

Left: 16.101 $\pm$ 33.728 χ^2 /NDF: 12.4/44

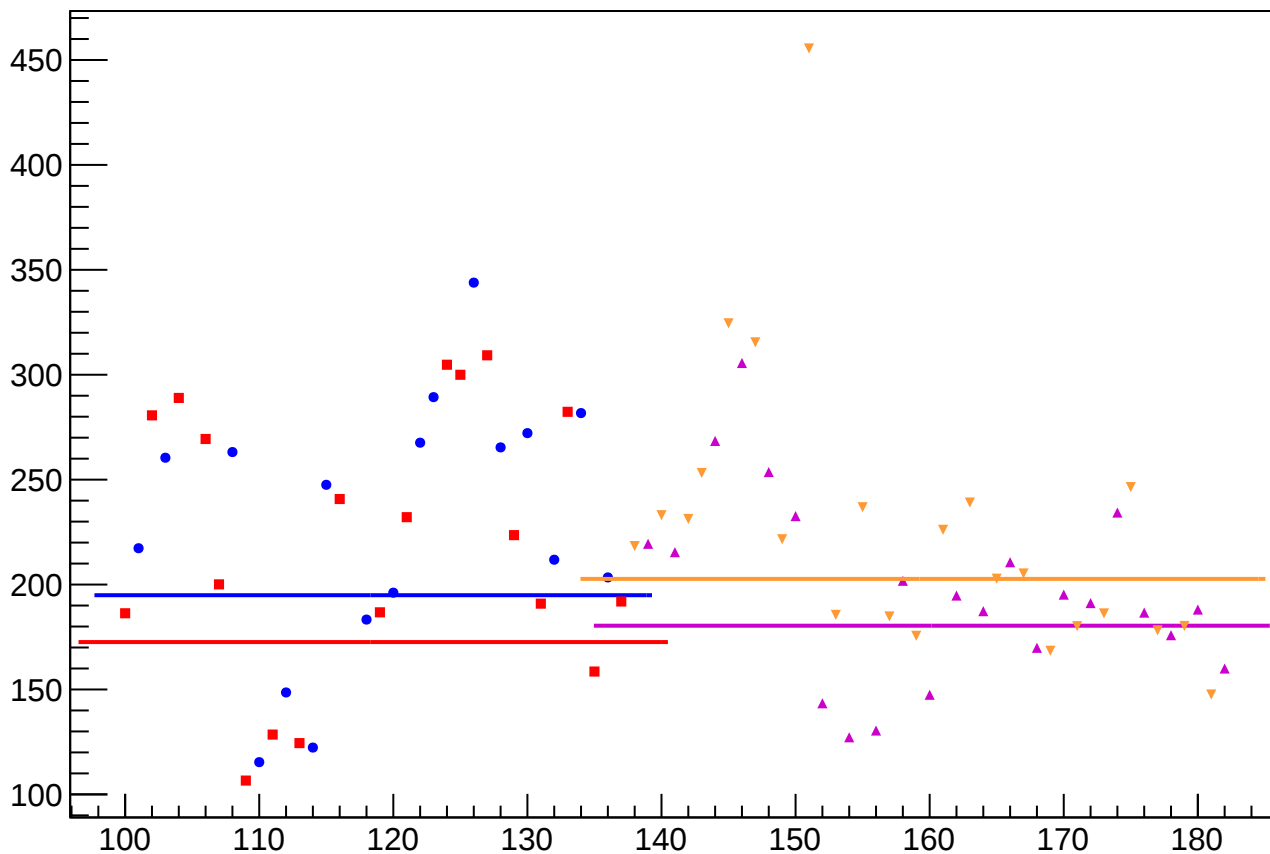
Right: 22.136 $\pm$ 52.915 χ^2 /NDF: 13.7/35

In: 44.036 $\pm$ 39.575 χ^2 /NDF:14.1/38

Out: -10.136 $\pm$ 40.904 χ^2 /NDF:11.2/41

All: 17.844 $\pm$ 28.442 χ^2 /NDF: 26.2/80

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.927 ± 0.057 $\chi^2/\text{NDF}: 1021893.7/16$

Left Out: 202.702 ± 0.036 $\chi^2/\text{NDF}: 1573726.8/22$

Right Out: 172.594 ± 0.050 $\chi^2/\text{NDF}: 1591420.0/18$

Left In: 180.393 ± 0.032 $\chi^2/\text{NDF}: 1575887.6/21$

Left: 190.441 ± 0.024 $\chi^2/\text{NDF}: 3366203.5/44$

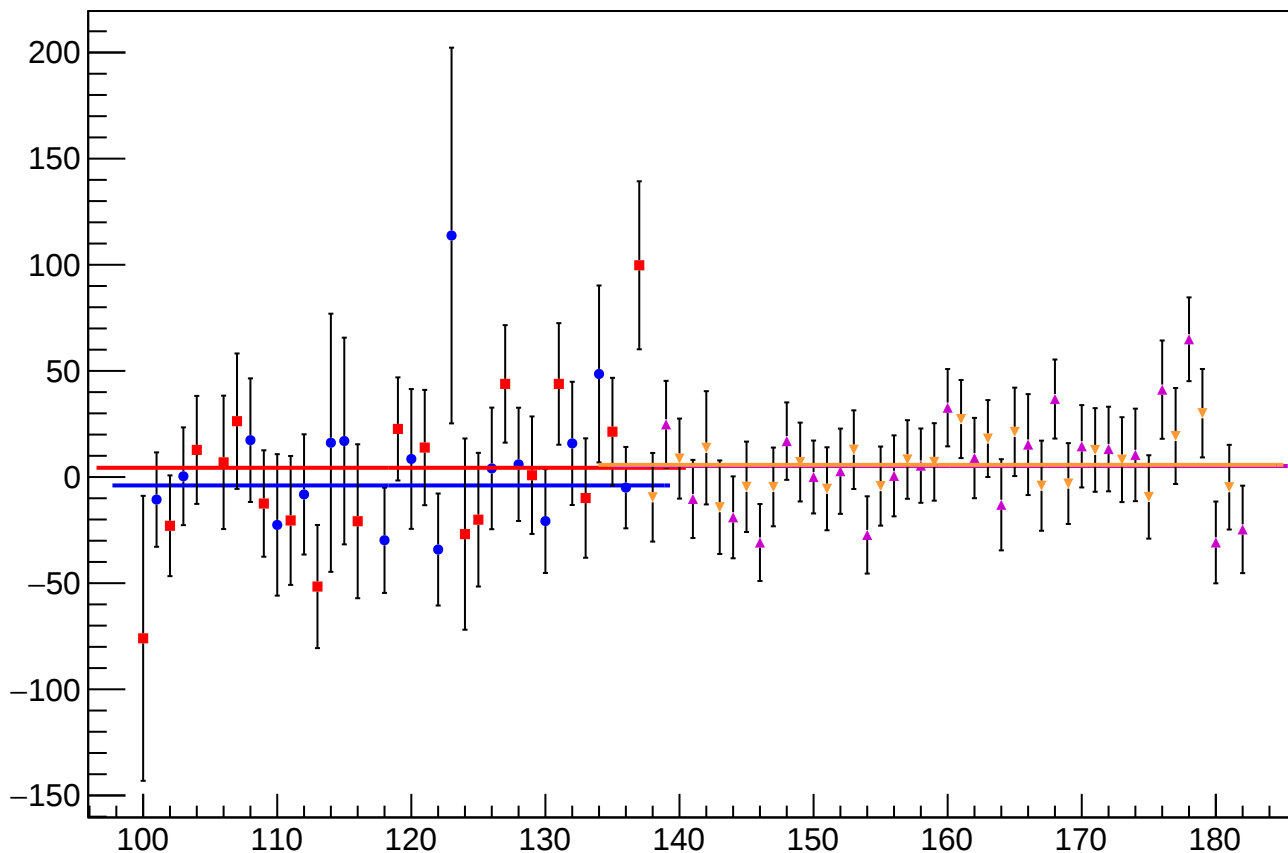
Right: 182.309 ± 0.037 $\chi^2/\text{NDF}: 2700872.6/35$

In: 183.929 ± 0.028 $\chi^2/\text{NDF}: 2647442.5/38$

Out: 192.537 ± 0.029 $\chi^2/\text{NDF}: 3407472.2/41$

All: 188.091 ± 0.020 $\chi^2/\text{NDF}: 6100663.6/80$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.959 ± 6.931 χ^2/NDF : 8.3/16

Left Out: 5.755 ± 4.130 χ^2/NDF : 8.4/22

Right Out: 4.358 ± 6.742 χ^2/NDF : 20.9/18

Left In: 5.186 ± 4.139 χ^2/NDF : 34.6/21

Left: 5.471 ± 2.924 χ^2/NDF : 43.0/44

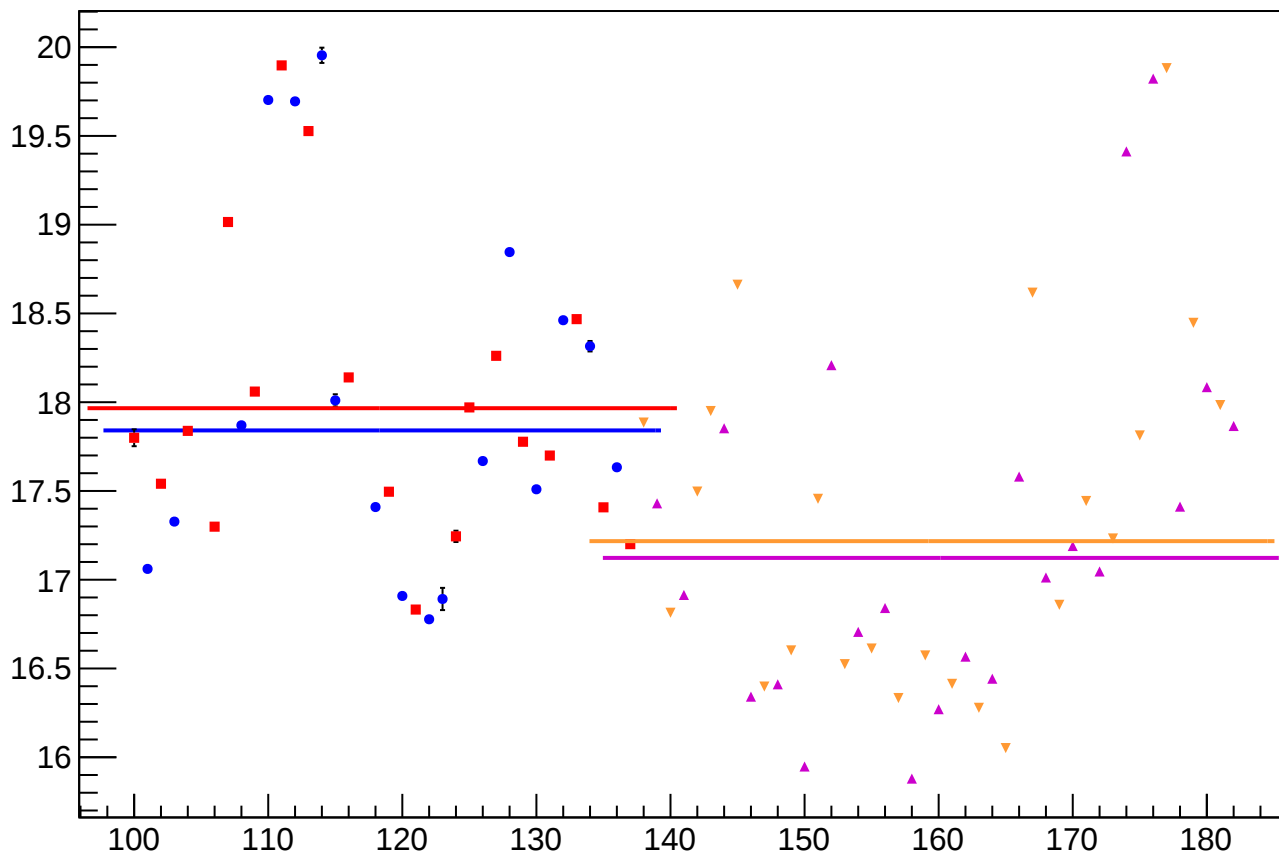
Right: 0.314 ± 4.833 χ^2/NDF : 30.0/35

In: 2.781 ± 3.554 χ^2/NDF : 44.2/38

Out: 5.374 ± 3.521 χ^2/NDF : 29.3/41

All: 4.089 ± 2.501 χ^2/NDF : 73.8/80

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.841 $\pm$ 0.005 χ^2 /NDF: 31077.0/16

Left Out: 17.217 $\pm$ 0.003 χ^2 /NDF:97589.9/22

Right Out: 17.966 $\pm$ 0.005 χ^2 /NDF: 25324.0/18

Left In: 17.123 $\pm$ 0.003 χ^2 /NDF:103390.6/21

Left: 17.170 $\pm$ 0.002 χ^2 /NDF: 201502.1/44

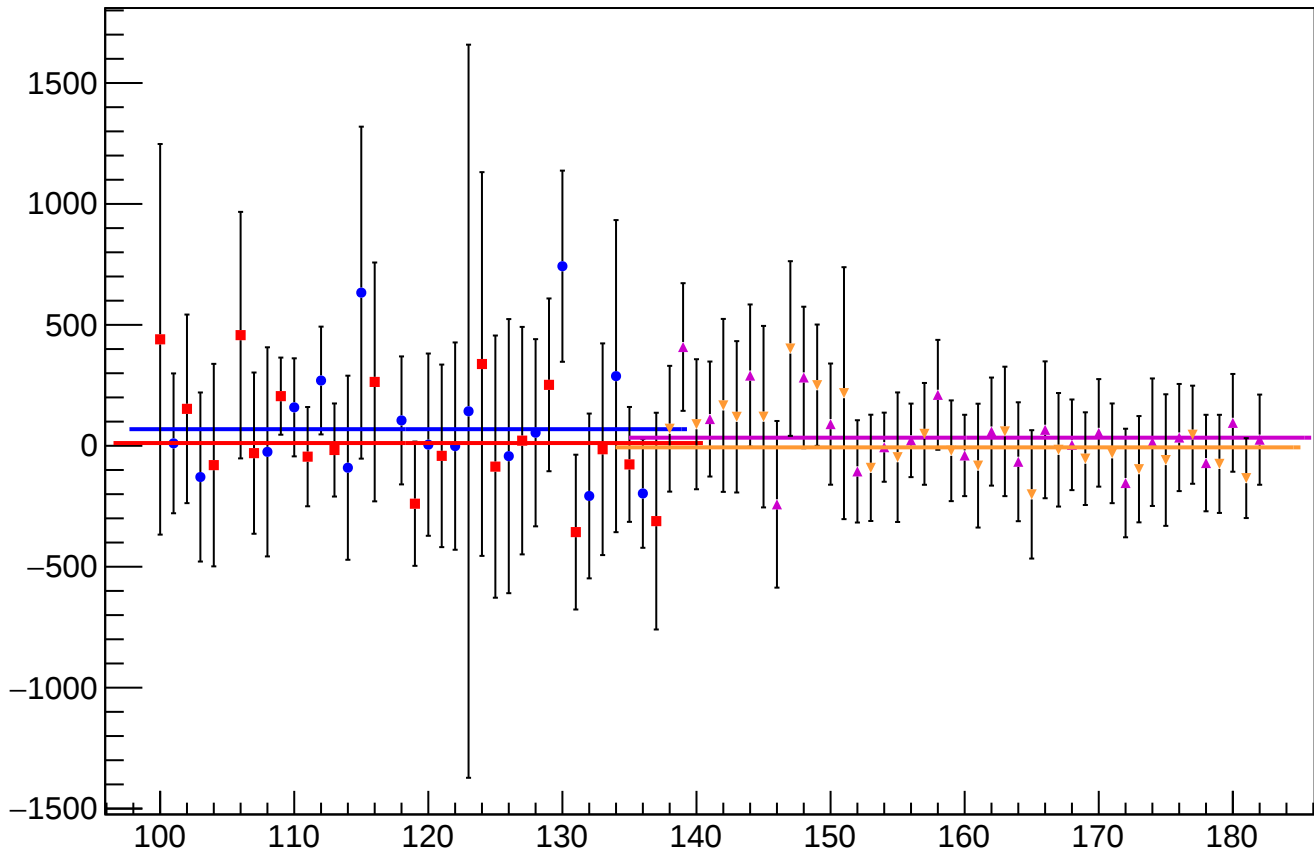
Right: 17.905 $\pm$ 0.003 χ^2 /NDF: 56736.1/35

In: 17.312 $\pm$ 0.003 χ^2 /NDF:150292.4/38

Out: 17.422 $\pm$ 0.002 χ^2 /NDF:140858.0/41

All: 17.367 $\pm$ 0.002 χ^2 /NDF: 292116.1/80

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.704 $\pm$ 80.783 χ^2 /NDF: 7.5/16

Left Out: -6.438 $\pm$ 50.434 χ^2 /NDF:5.2/22

Right Out: 11.402 $\pm$ 71.054 χ^2 /NDF: 6.7/18

Left In: 33.543 $\pm$ 45.654 χ^2 /NDF:6.9/21

Left: 15.536 $\pm$ 33.846 χ^2 /NDF: 12.5/44

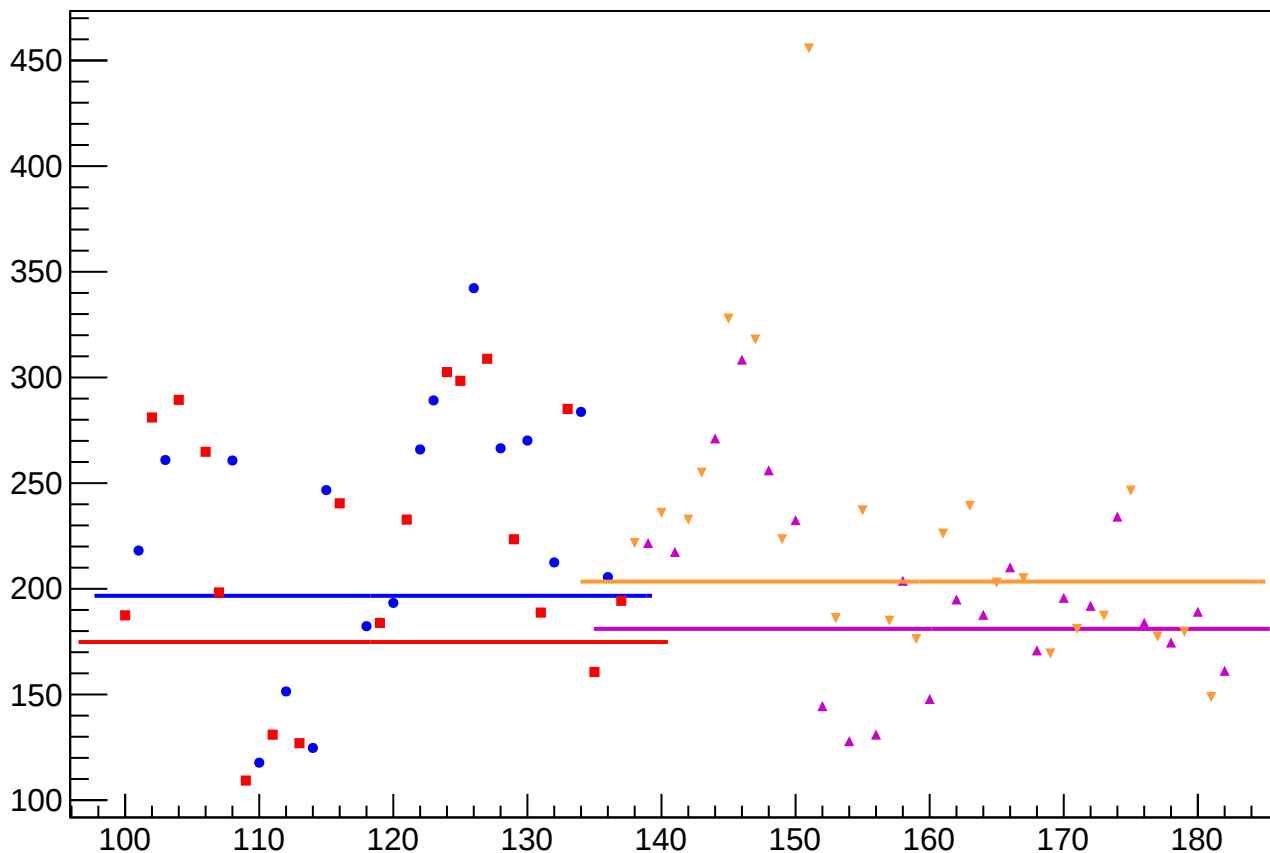
Right: 36.396 $\pm$ 53.352 χ^2 /NDF: 14.4/35

In: 42.054 $\pm$ 39.746 χ^2 /NDF:14.5/38

Out: -0.462 $\pm$ 41.127 χ^2 /NDF:12.0/41

All: 21.522 $\pm$ 28.580 χ^2 /NDF: 27.0/80

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.690 $\pm$ 0.057 χ^2 /NDF: 966153.1/16

Left Out: 203.408 $\pm$ 0.036 χ^2 /NDF:1582435.9/22

Right Out: 174.816 $\pm$ 0.050 χ^2 /NDF: 1506223.2/18

Left In: 181.034 $\pm$ 0.032 χ^2 /NDF:1581489.8/21

Left: 191.111 $\pm$ 0.024 χ^2 /NDF: 3380276.5/44

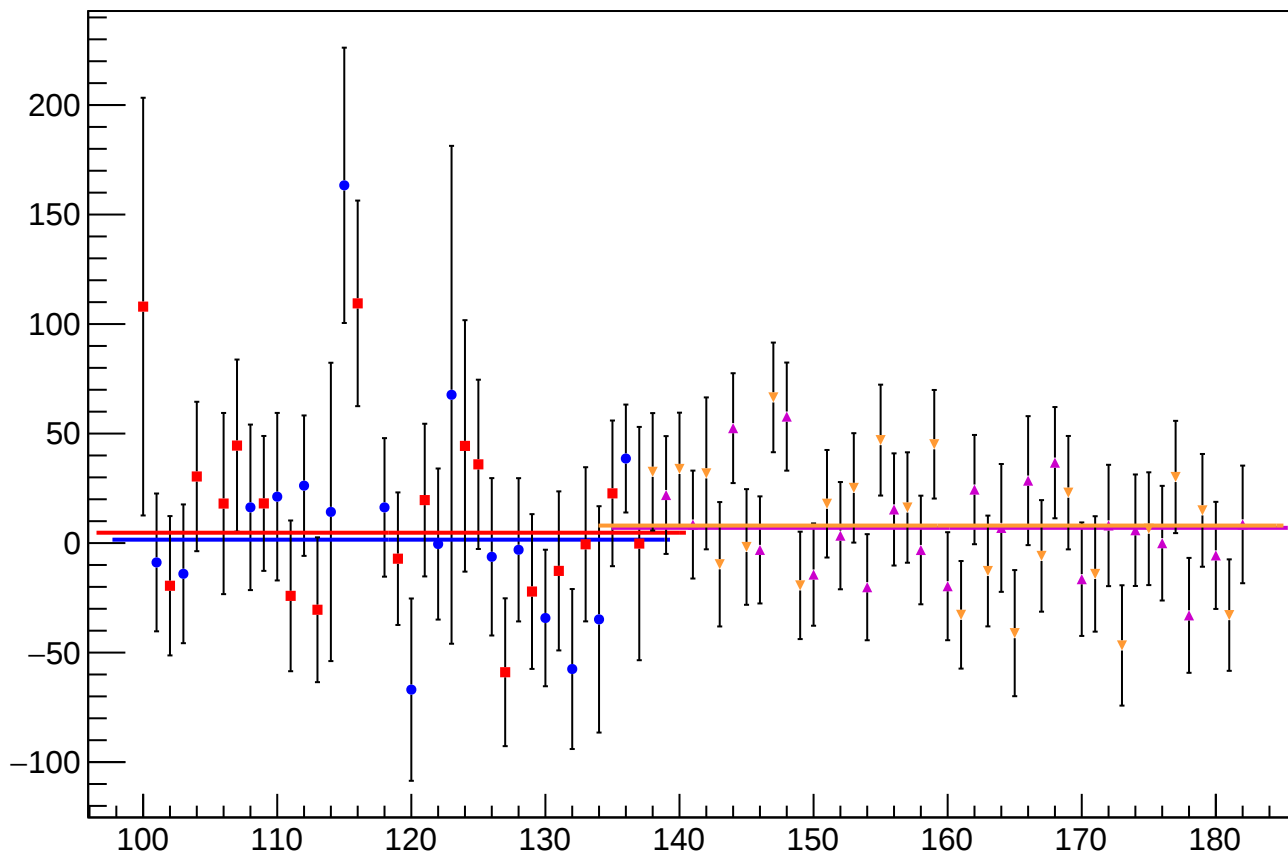
Right: 184.357 $\pm$ 0.038 χ^2 /NDF: 2555050.7/35

In: 184.824 $\pm$ 0.028 χ^2 /NDF:2604581.4/38

Out: 193.829 $\pm$ 0.029 χ^2 /NDF:3304008.1/41

All: 189.173 $\pm$ 0.020 χ^2 /NDF: 5958175.2/80

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.556+/-8.826 χ^2/NDF : 18.0/16

Left Out: 7.996+/-5.423 χ^2/NDF :30.0/22

Right Out: 4.732+/-8.498 χ^2/NDF : 16.6/18

Left In: 6.958+/-5.445 χ^2/NDF :17.4/21

Left: 7.479+/-3.842 χ^2/NDF : 47.4/44

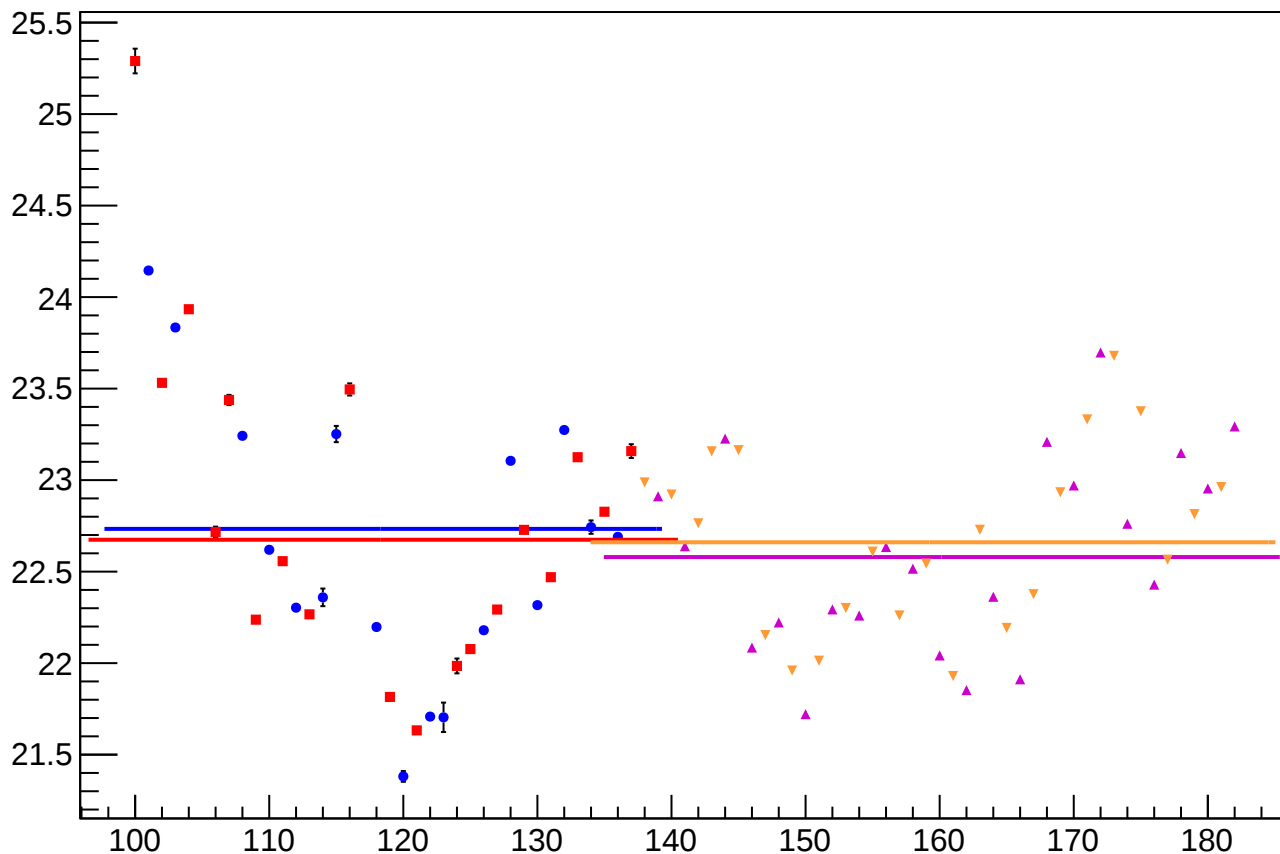
Right: 3.204+/-6.121 χ^2/NDF : 34.7/35

In: 5.469+/-4.634 χ^2/NDF :35.8/38

Out: 7.052+/-4.571 χ^2/NDF :46.7/41

All: 6.271+/-3.254 χ^2/NDF : 82.5/80

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.734 $\pm$ 0.006 χ^2 /NDF: 13530.3/16

Left Out: 22.660 $\pm$ 0.004 χ^2 /NDF:15428.4/22

Right Out: 22.674 $\pm$ 0.006 χ^2 /NDF: 12809.0/18

Left In: 22.580 $\pm$ 0.004 χ^2 /NDF:17951.2/21

Left: 22.620 $\pm$ 0.003 χ^2 /NDF: 33600.8/44

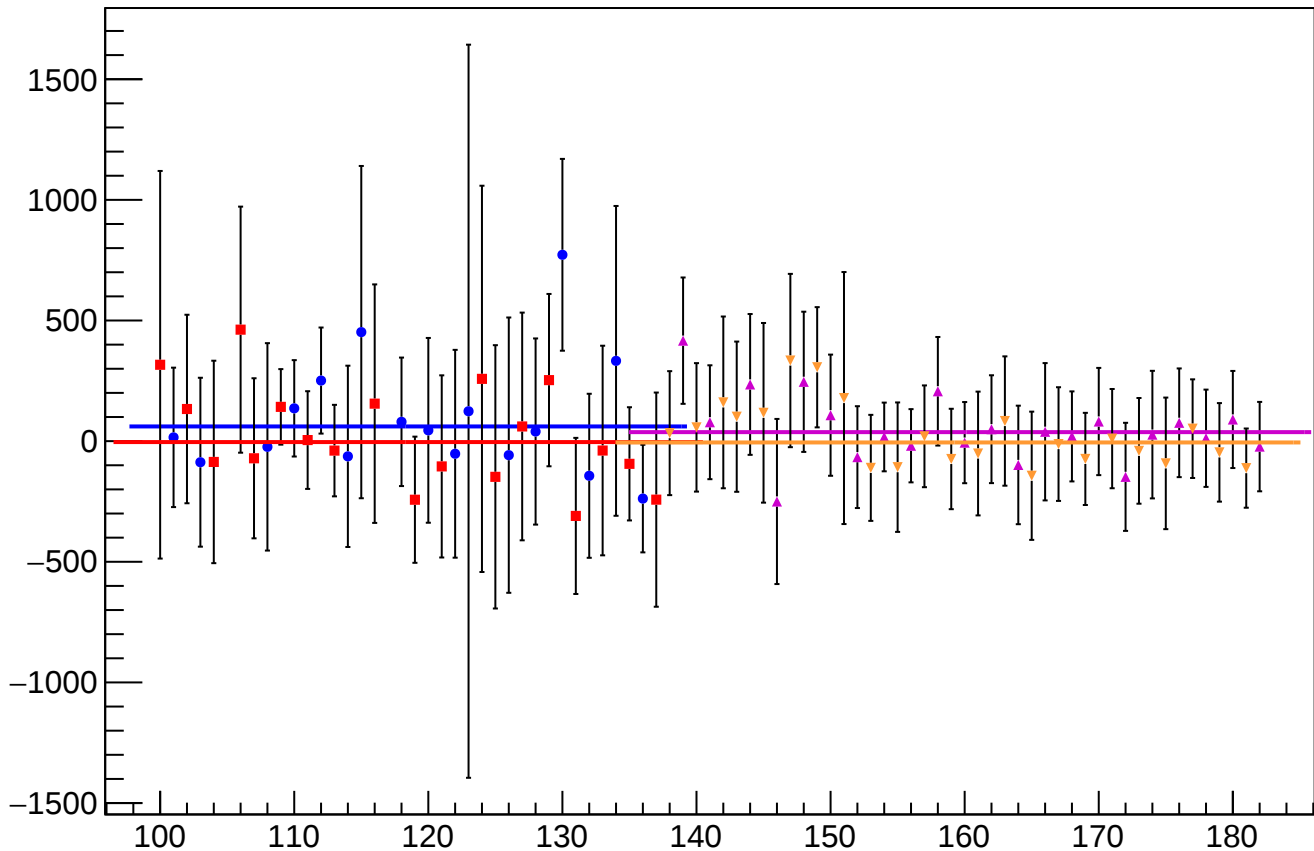
Right: 22.703 $\pm$ 0.004 χ^2 /NDF: 26386.3/35

In: 22.622 $\pm$ 0.003 χ^2 /NDF:31922.3/38

Out: 22.664 $\pm$ 0.003 χ^2 /NDF:28241.2/41

All: 22.644 $\pm$ 0.002 χ^2 /NDF: 60248.2/80

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 60.929 $\pm$ 80.431 χ^2 /NDF: 7.2/16

Left Out: -5.455 $\pm$ 50.374 χ^2 /NDF:4.8/22

Right Out: -3.845 $\pm$ 70.561 χ^2 /NDF: 5.2/18

Left In: 37.337 $\pm$ 45.589 χ^2 /NDF:6.2/21

Left: 18.069 $\pm$ 33.802 χ^2 /NDF: 11.4/44

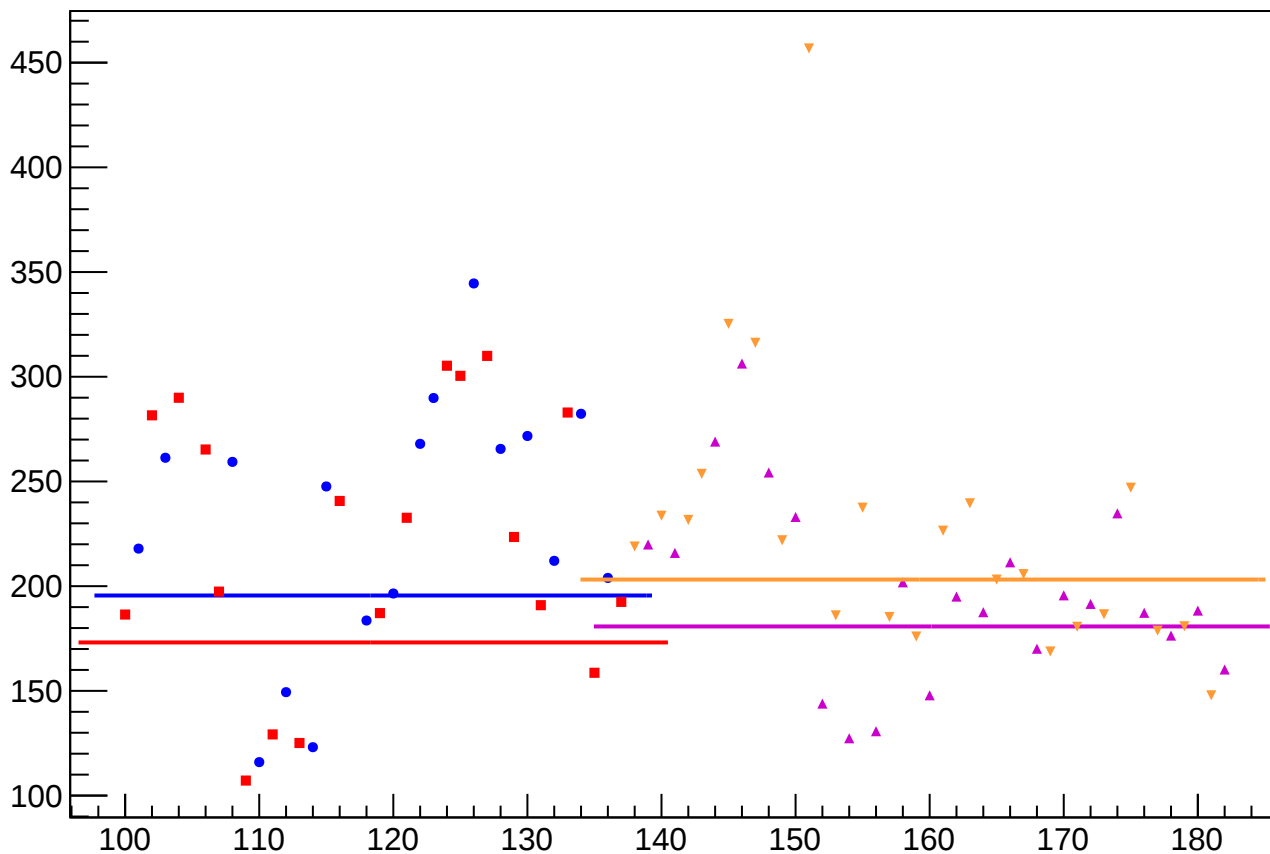
Right: 24.326 $\pm$ 53.042 χ^2 /NDF: 12.8/35

In: 43.073 $\pm$ 39.661 χ^2 /NDF:13.5/38

Out: -4.911 $\pm$ 40.998 χ^2 /NDF:10.0/41

All: 19.876 $\pm$ 28.506 χ^2 /NDF: 24.2/80

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.543 $\pm$ 0.057 χ^2 /NDF: 1006207.5/16

Left Out: 203.169 $\pm$ 0.036 χ^2 /NDF: 1573727.8/22

Right Out: 173.124 $\pm$ 0.050 χ^2 /NDF: 1572874.3/18

Left In: 180.765 $\pm$ 0.032 χ^2 /NDF: 1575957.3/21

Left: 190.852 $\pm$ 0.024 χ^2 /NDF: 3367164.9/44

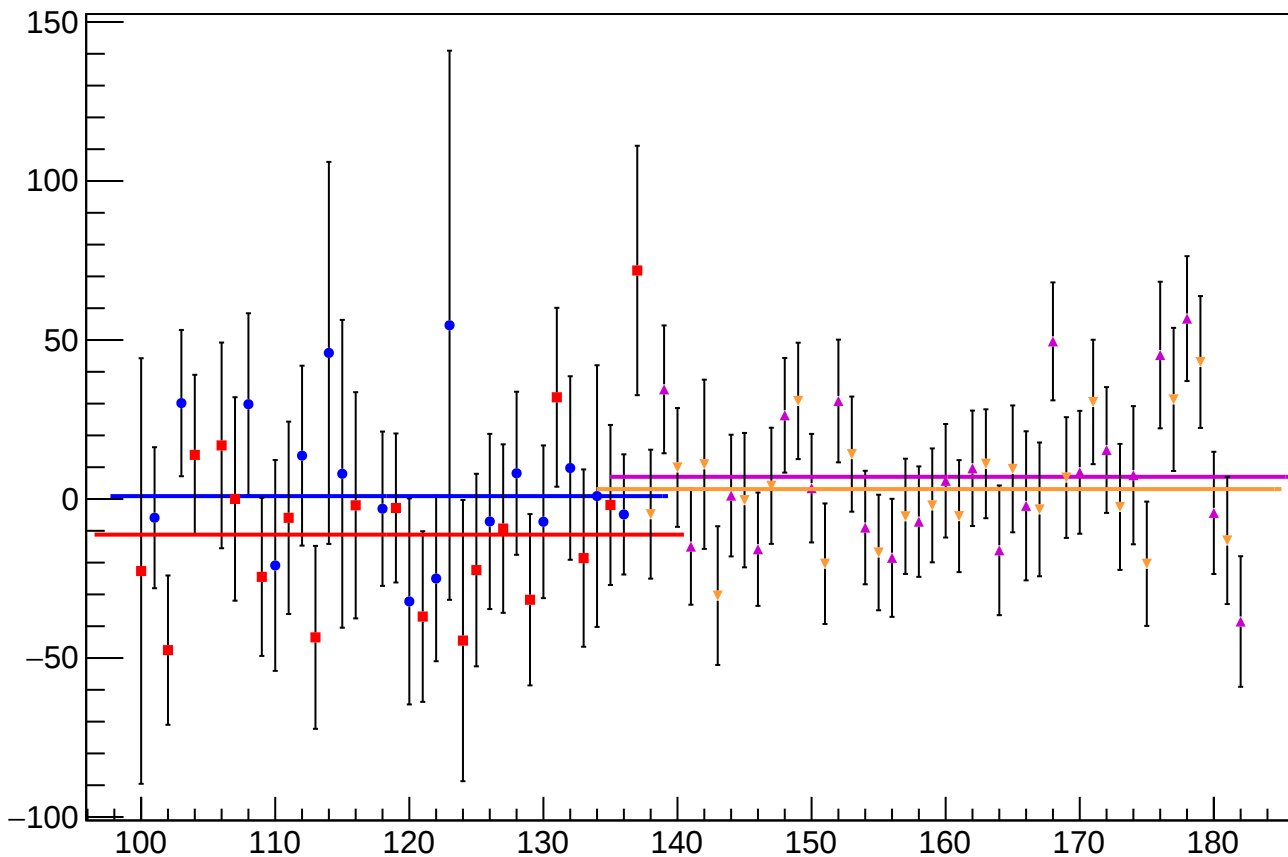
Right: 182.875 $\pm$ 0.038 χ^2 /NDF: 2666888.8/35

In: 184.358 $\pm$ 0.028 χ^2 /NDF: 2633267.9/38

Out: 193.026 $\pm$ 0.029 χ^2 /NDF: 3386787.1/41

All: 188.548 $\pm$ 0.020 χ^2 /NDF: 6066230.7/80

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.909 ± 6.829 χ^2/NDF : 6.9/16

Left Out: 3.125 ± 4.054 χ^2/NDF : 18.6/22

Right Out: -11.200 ± 6.644 χ^2/NDF : 15.3/18

Left In: 6.980 ± 4.078 χ^2/NDF : 32.5/21

Left: 5.041 ± 2.875 χ^2/NDF : 51.5/44

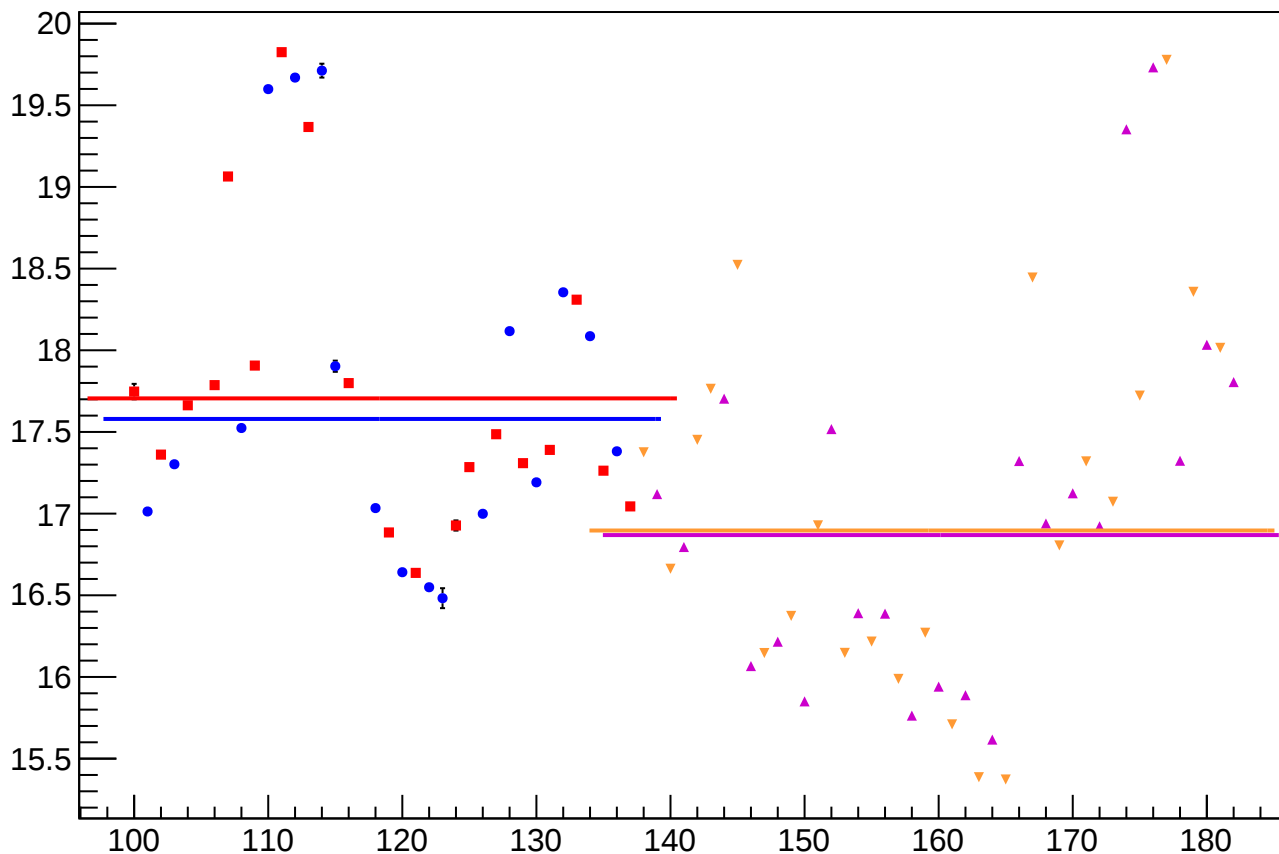
Right: -5.312 ± 4.762 χ^2/NDF : 23.8/35

In: 5.384 ± 3.501 χ^2/NDF : 39.9/38

Out: -0.762 ± 3.461 χ^2/NDF : 37.3/41

All: 2.275 ± 2.461 χ^2/NDF : 78.8/80

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.580+/-0.005 χ^2/NDF : 32962.1/16

Left Out: 16.897+/-0.003 χ^2/NDF :136915.1/22

Right Out: 17.705+/-0.005 χ^2/NDF : 30276.7/18

Left In: 16.869+/-0.003 χ^2/NDF :120625.5/21

Left: 16.883+/-0.002 χ^2/NDF : 257587.9/44

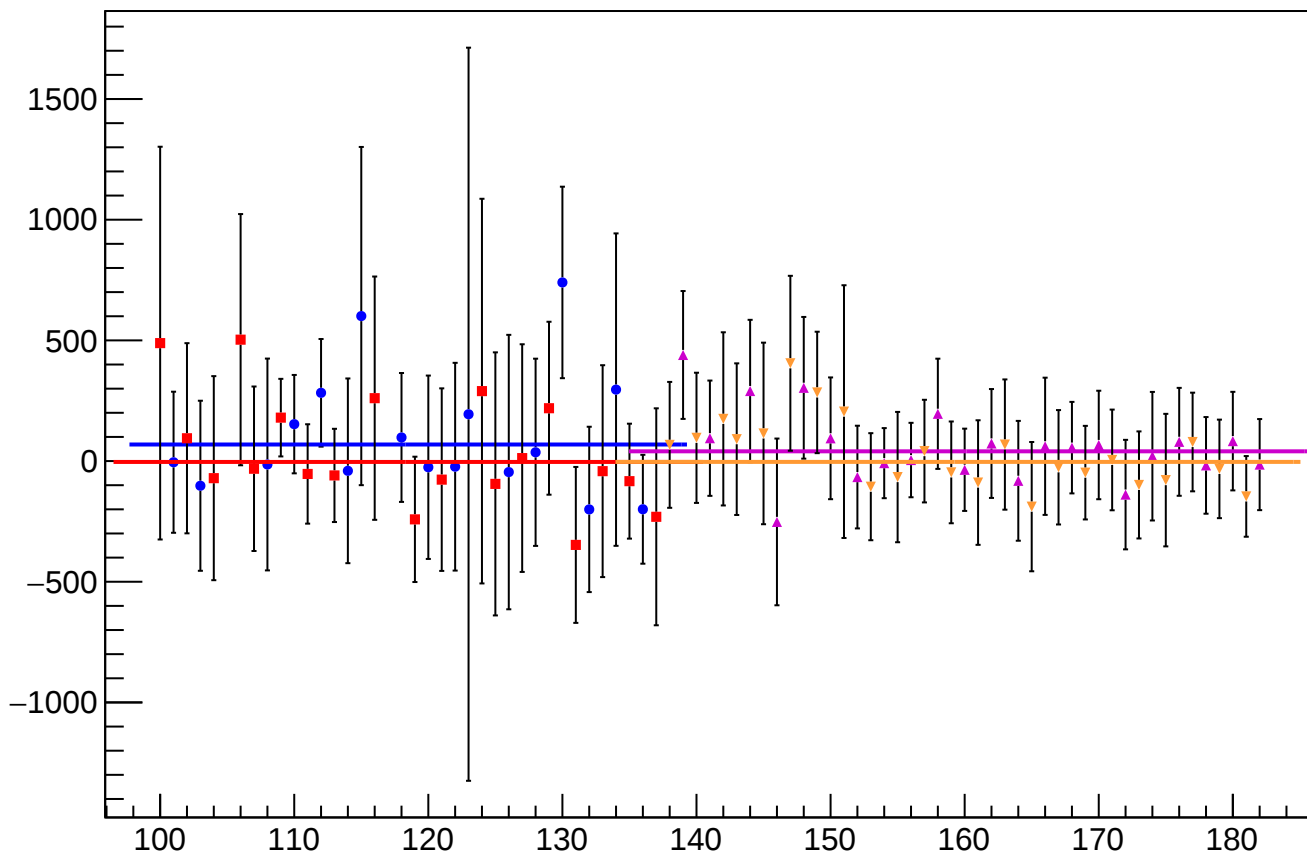
Right: 17.644+/-0.003 χ^2/NDF : 63587.8/35

In: 17.056+/-0.002 χ^2/NDF :169564.1/38

Out: 17.116+/-0.002 χ^2/NDF :188792.2/41

All: 17.086+/-0.002 χ^2/NDF : 358658.9/80

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.625 $\pm$ 81.256 χ^2 /NDF: 7.3/16

Left Out: -3.438 $\pm$ 50.860 χ^2 /NDF:5.6/22

Right Out: -3.617 $\pm$ 71.551 χ^2 /NDF: 6.1/18

Left In: 40.385 $\pm$ 46.097 χ^2 /NDF:6.9/21

Left: 20.621 $\pm$ 34.155 χ^2 /NDF: 12.9/44

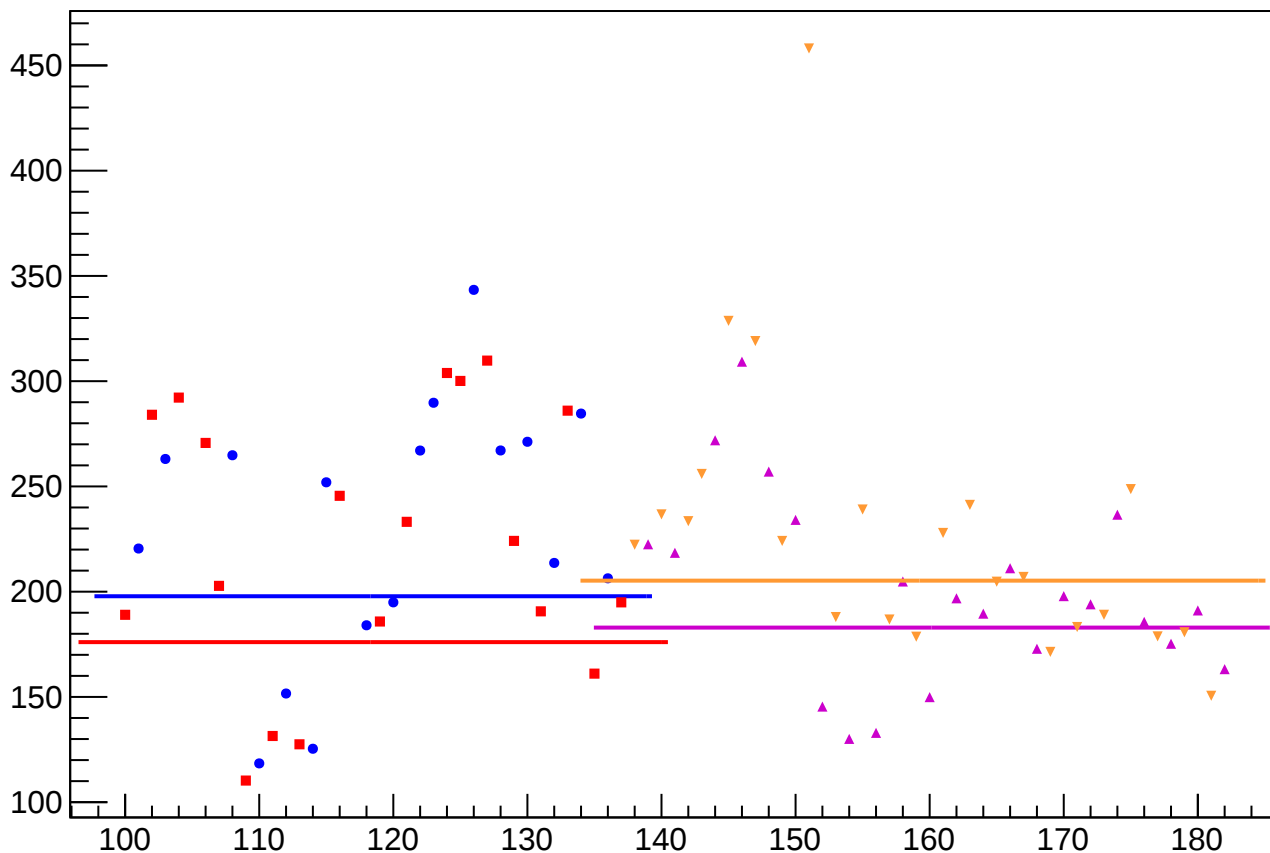
Right: 27.934 $\pm$ 53.699 χ^2 /NDF: 13.8/35

In: 47.261 $\pm$ 40.094 χ^2 /NDF:14.2/38

Out: -3.498 $\pm$ 41.454 χ^2 /NDF:11.7/41

All: 22.728 $\pm$ 28.820 χ^2 /NDF: 26.7/80

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.832 $\pm$ 0.057 χ^2 /NDF: 971081.8/16

Left Out: 205.245 $\pm$ 0.036 χ^2 /NDF:1552780.5/22

Right Out: 176.036 $\pm$ 0.051 χ^2 /NDF: 1514906.1/18

Left In: 182.937 $\pm$ 0.033 χ^2 /NDF:1536757.6/21

Left: 192.998 $\pm$ 0.024 χ^2 /NDF: 3300782.7/44

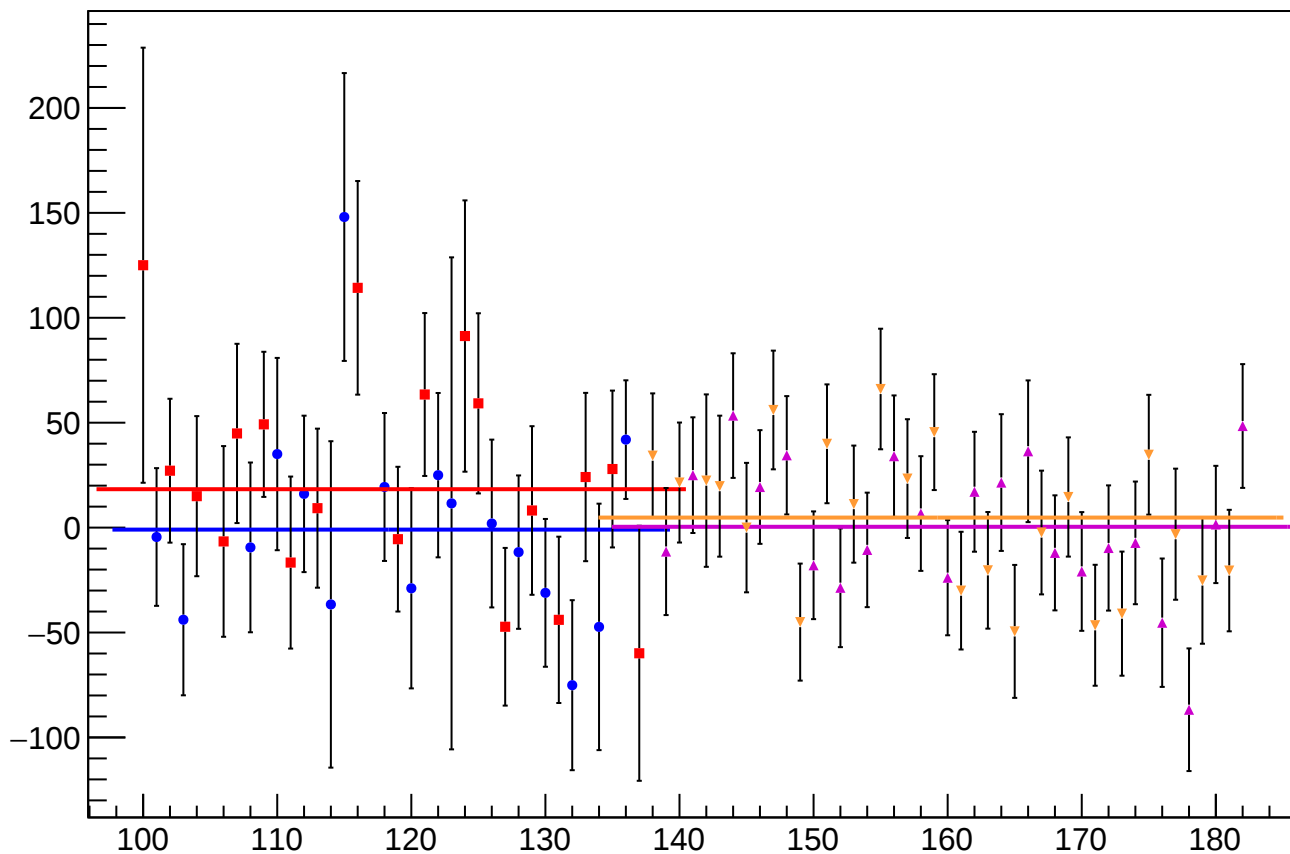
Right: 185.556 $\pm$ 0.038 χ^2 /NDF: 2567038.6/35

In: 186.564 $\pm$ 0.028 χ^2 /NDF:2558679.0/38

Out: 195.441 $\pm$ 0.029 χ^2 /NDF:3289106.6/41

All: 190.854 $\pm$ 0.020 χ^2 /NDF: 5895174.1/80

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.953 ± 9.909 χ^2/NDF : 15.5/16

Left Out: 4.784 ± 6.135 χ^2/NDF : 30.9/22

Right Out: 18.305 ± 9.519 χ^2/NDF : 18.3/18

Left In: 0.388 ± 6.118 χ^2/NDF : 26.6/21

Left: 2.580 ± 4.332 χ^2/NDF : 57.8/44

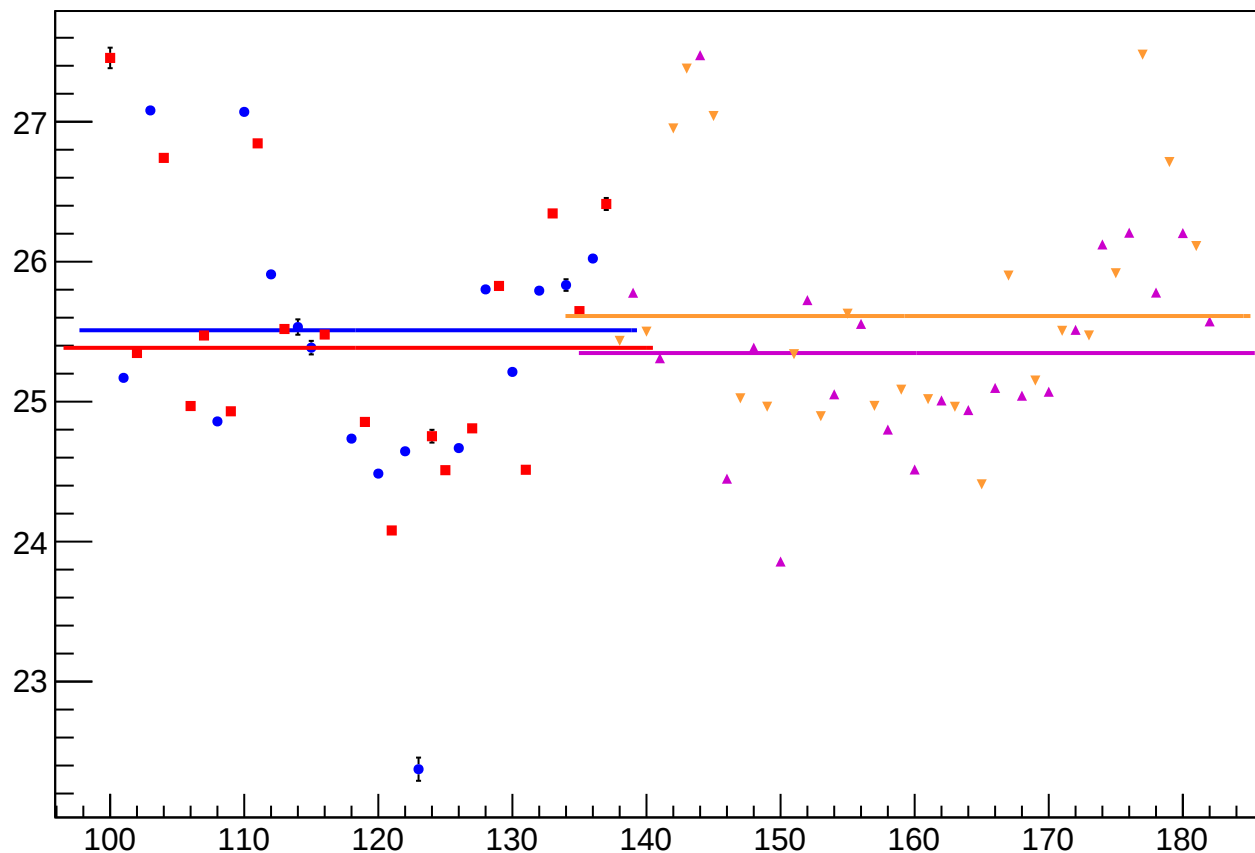
Right: 9.063 ± 6.865 χ^2/NDF : 35.7/35

In: 0.018 ± 5.206 χ^2/NDF : 42.1/38

Out: 8.751 ± 5.157 χ^2/NDF : 50.6/41

All: 4.426 ± 3.664 χ^2/NDF : 94.1/80

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.510 $\pm$ 0.007 χ^2 /NDF: 13357.4/16

Left Out: 25.612 $\pm$ 0.004 χ^2 /NDF:33555.4/22

Right Out: 25.385 $\pm$ 0.007 χ^2 /NDF: 13669.3/18

Left In: 25.347 $\pm$ 0.004 χ^2 /NDF:29576.6/21

Left: 25.479 $\pm$ 0.003 χ^2 /NDF: 64996.4/44

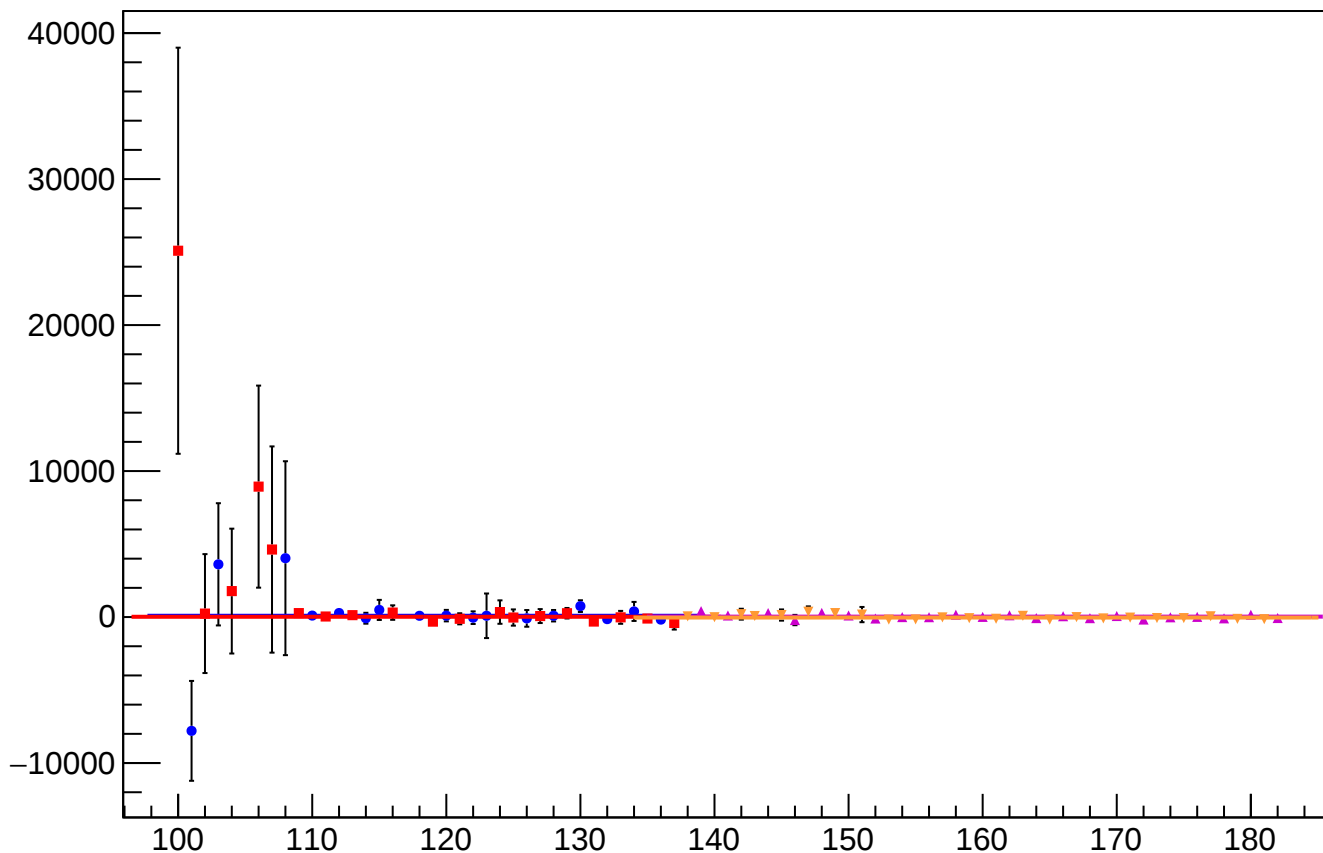
Right: 25.445 $\pm$ 0.005 χ^2 /NDF: 27193.6/35

In: 25.392 $\pm$ 0.004 χ^2 /NDF:43324.8/38

Out: 25.545 $\pm$ 0.004 χ^2 /NDF:48030.0/41

All: 25.469 $\pm$ 0.003 χ^2 /NDF: 92225.8/80

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 88.017+/-88.732 χ^2/NDF : 12.6/16

Left Out: -33.604+/-50.540 χ^2/NDF : 5.8/22

Right Out: 19.598+/-80.969 χ^2/NDF : 12.0/18

Left In: 29.211+/-46.419 χ^2/NDF : 7.4/21

Left: 0.469+/-34.187 χ^2/NDF : 14.0/44

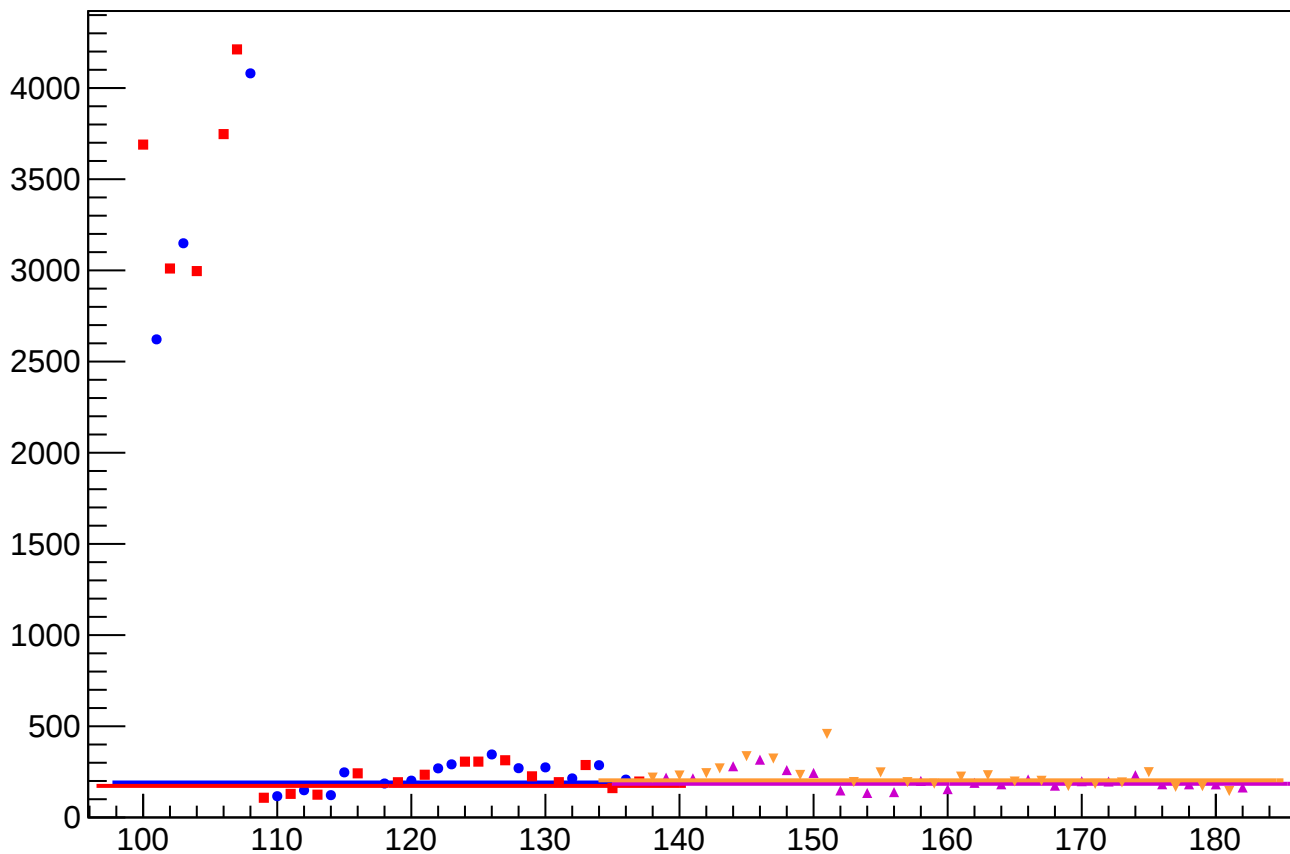
Right: 50.685+/-59.810 χ^2/NDF : 24.9/35

In: 41.847+/-41.131 χ^2/NDF : 20.3/38

Out: -18.687+/-42.874 χ^2/NDF : 18.1/41

All: 12.835+/-29.681 χ^2/NDF : 39.4/80

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.711 $\pm$ 0.063 χ^2 /NDF: 3575897.6/16

Left Out: 203.556 $\pm$ 0.036 χ^2 /NDF: 1704705.6/22

Right Out: 173.097 $\pm$ 0.057 χ^2 /NDF: 4201745.6/18

Left In: 184.647 $\pm$ 0.033 χ^2 /NDF: 1408345.0/21

Left: 193.299 $\pm$ 0.024 χ^2 /NDF: 3264907.1/44

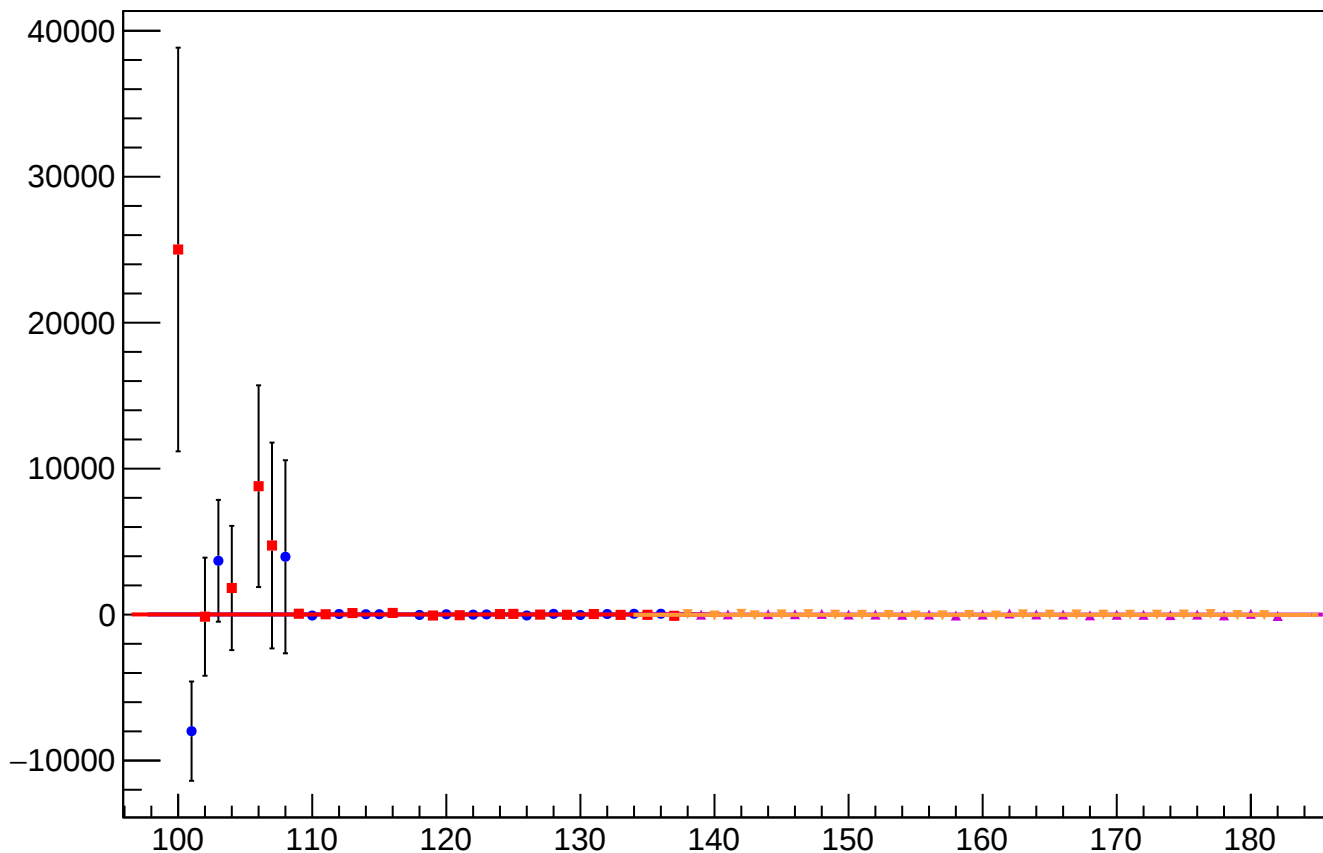
Right: 181.554 $\pm$ 0.042 χ^2 /NDF: 7825671.3/35

In: 186.165 $\pm$ 0.029 χ^2 /NDF: 4994196.5/38

Out: 195.016 $\pm$ 0.030 χ^2 /NDF: 6110119.9/41

All: 190.407 $\pm$ 0.021 χ^2 /NDF: 11148703.9/80

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.697+/-12.319 χ^2/NDF : 19.0/16

Left Out: -15.451+/-6.881 χ^2/NDF : 20.4/22

Right Out: 11.602+/-12.269 χ^2/NDF : 24.3/18

Left In: 0.916+/-6.938 χ^2/NDF : 32.4/21

Left: -7.335+/-4.886 χ^2/NDF : 55.6/44

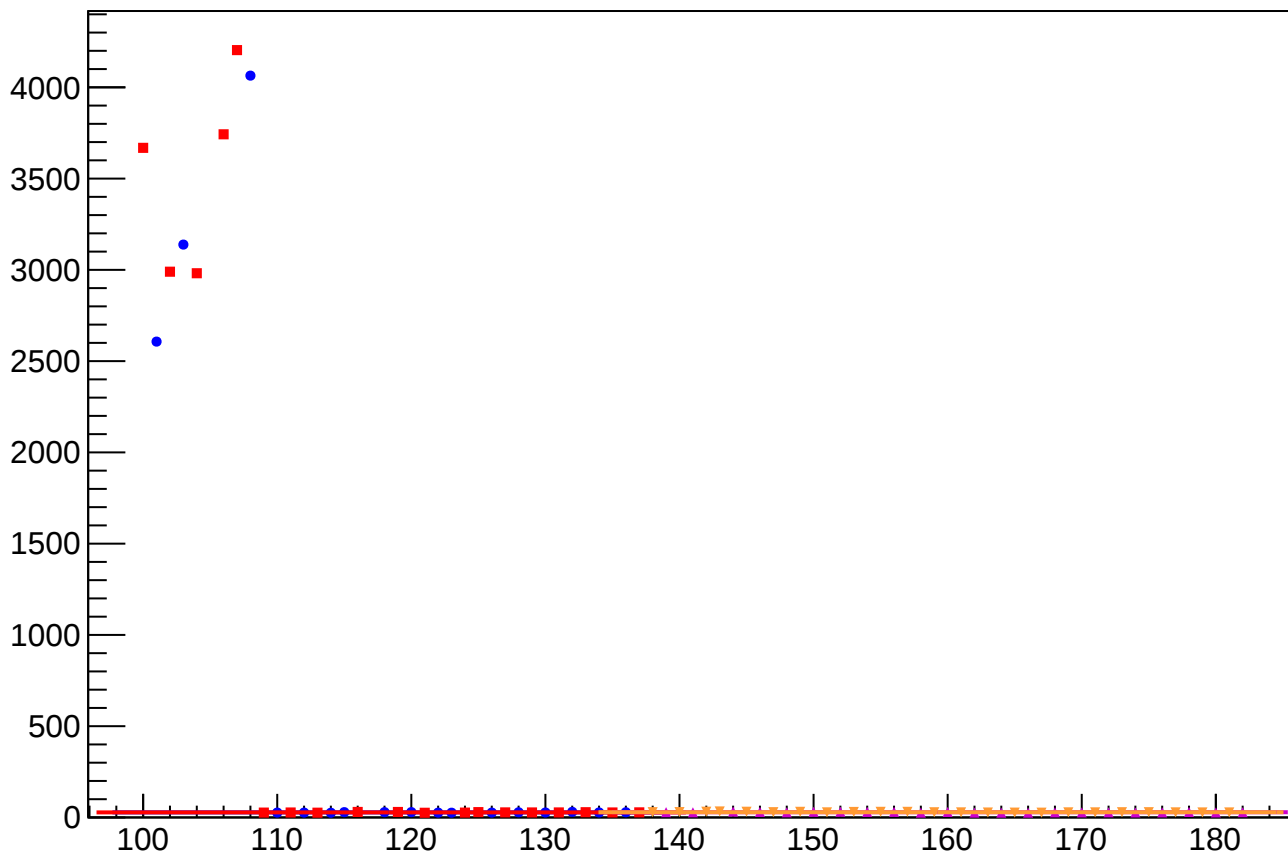
Right: 11.151+/-8.693 χ^2/NDF : 43.2/35

In: 3.271+/-6.045 χ^2/NDF : 51.8/38

Out: -8.977+/-6.002 χ^2/NDF : 48.3/41

All: -2.897+/-4.259 χ^2/NDF : 102.2/80

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.874+/-0.009 χ^2/NDF : 3027804.9/16

Left Out: 28.682+/-0.005 χ^2/NDF : 104859.8/22

Right Out: 27.715+/-0.009 χ^2/NDF : 3476945.4/18

Left In: 28.674+/-0.005 χ^2/NDF : 124743.5/21

Left: 28.678+/-0.003 χ^2/NDF : 229604.3/44

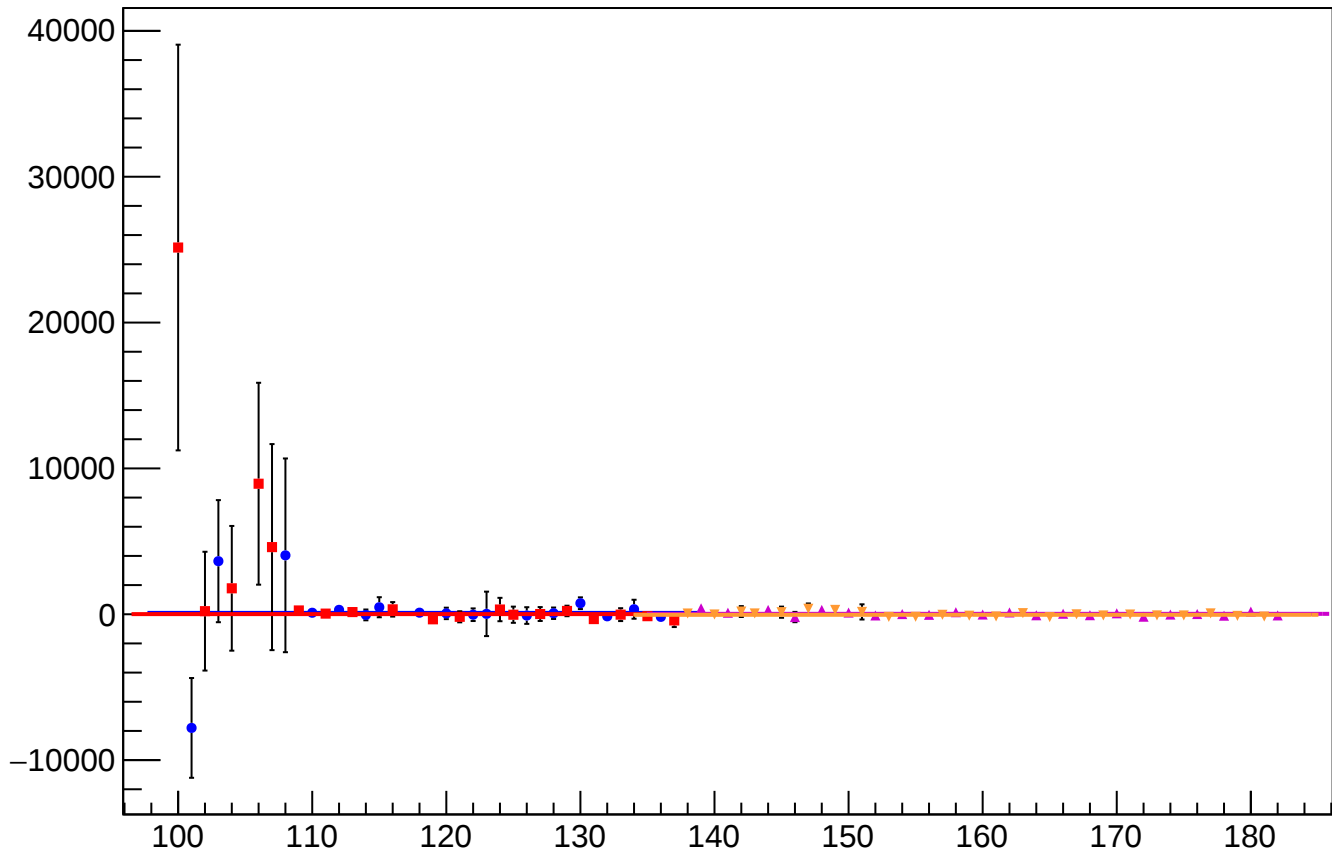
Right: 27.794+/-0.006 χ^2/NDF : 6504918.1/35

In: 28.482+/-0.004 χ^2/NDF : 3158962.6/38

Out: 28.450+/-0.004 χ^2/NDF : 3591255.3/41

All: 28.466+/-0.003 χ^2/NDF : 6750245.3/80

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 93.587+/-88.455 χ^2/NDF : 12.8/16

Left Out: -36.784+/-50.424 χ^2/NDF : 6.4/22

Right Out: 9.682+/-80.708 χ^2/NDF : 12.8/18

Left In: 28.547+/-46.326 χ^2/NDF : 7.8/21

Left: -1.356+/-34.114 χ^2/NDF : 15.1/44

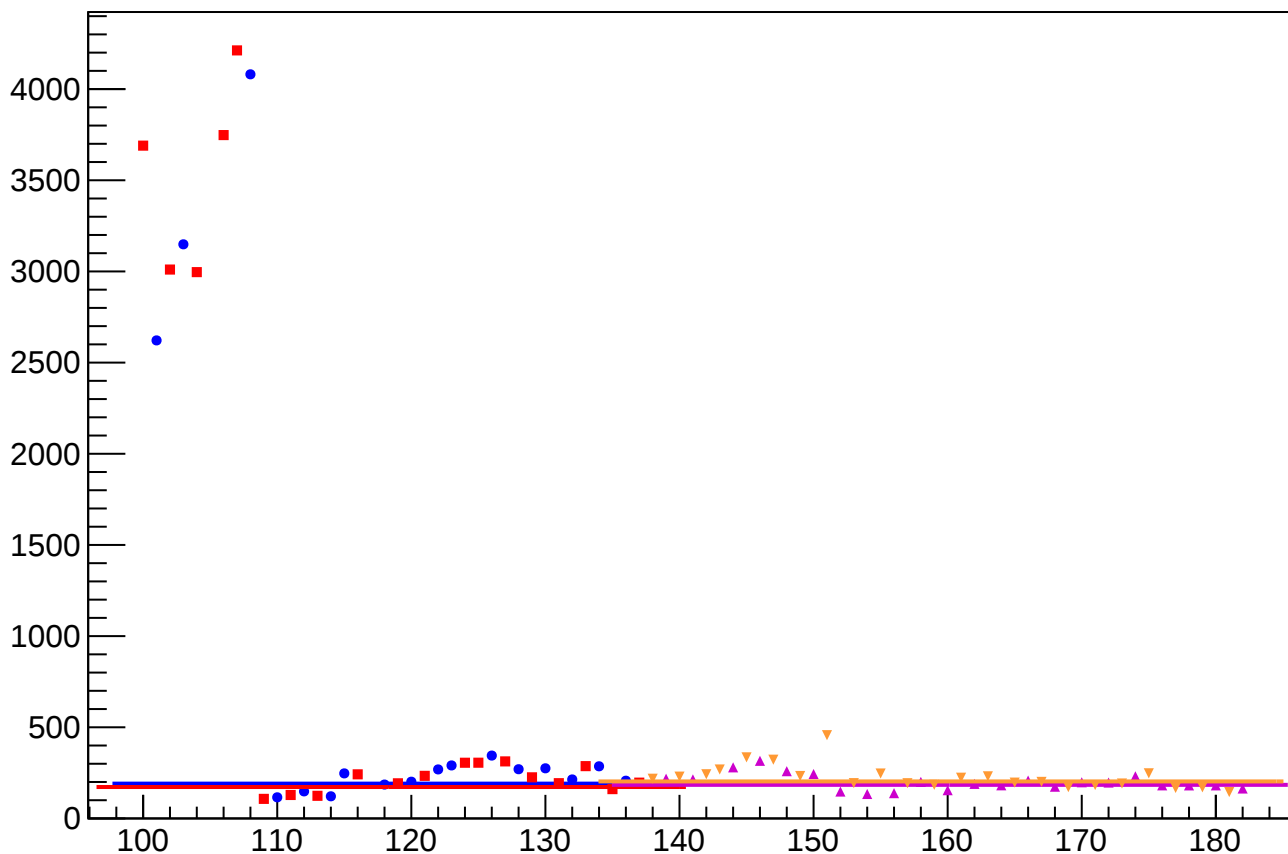
Right: 47.800+/-59.620 χ^2/NDF : 26.0/35

In: 42.547+/-41.038 χ^2/NDF : 20.9/38

Out: -23.738+/-42.764 χ^2/NDF : 19.4/41

All: 10.768+/-29.610 χ^2/NDF : 41.6/80

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.997 $\pm$ 0.063 χ^2 /NDF: 3587805.7/16

Left Out: 203.087 $\pm$ 0.036 χ^2 /NDF: 1705581.4/22

Right Out: 172.430 $\pm$ 0.057 χ^2 /NDF: 4212918.4/18

Left In: 184.279 $\pm$ 0.033 χ^2 /NDF: 1407894.8/21

Left: 192.888 $\pm$ 0.024 χ^2 /NDF: 3264374.3/44

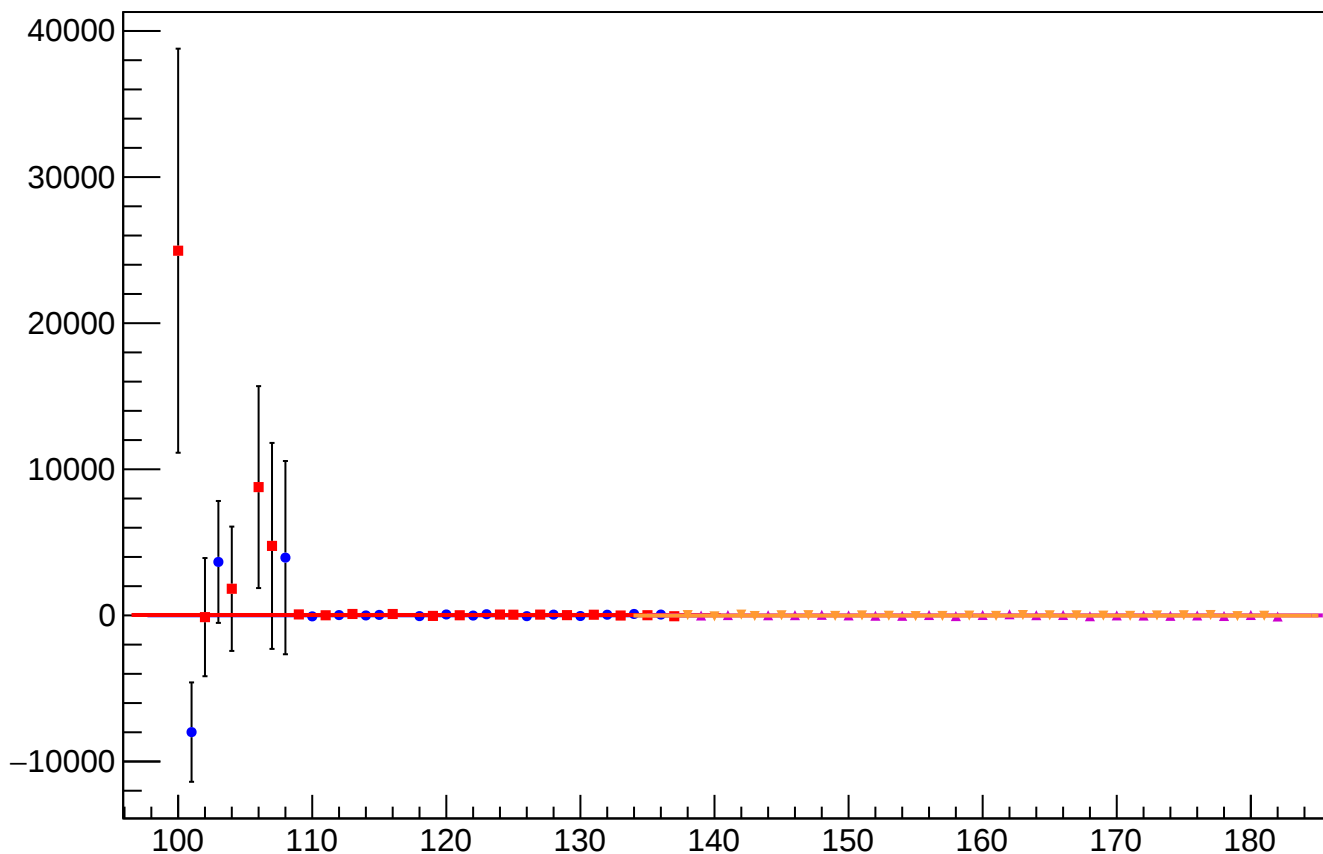
Right: 180.865 $\pm$ 0.042 χ^2 /NDF: 7848812.4/35

In: 185.725 $\pm$ 0.029 χ^2 /NDF: 5004755.2/38

Out: 194.480 $\pm$ 0.030 χ^2 /NDF: 6126058.0/41

All: 189.922 $\pm$ 0.021 χ^2 /NDF: 11174454.2/80

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 7.963+/-12.403 χ^2/NDF : 22.9/16

Left Out: -12.730+/-6.914 χ^2/NDF :15.5/22

Right Out: 28.182+/-12.369 χ^2/NDF : 16.5/18

Left In: -0.424+/-6.968 χ^2/NDF :26.3/21

Left: -6.625+/-4.908 χ^2/NDF : 43.3/44

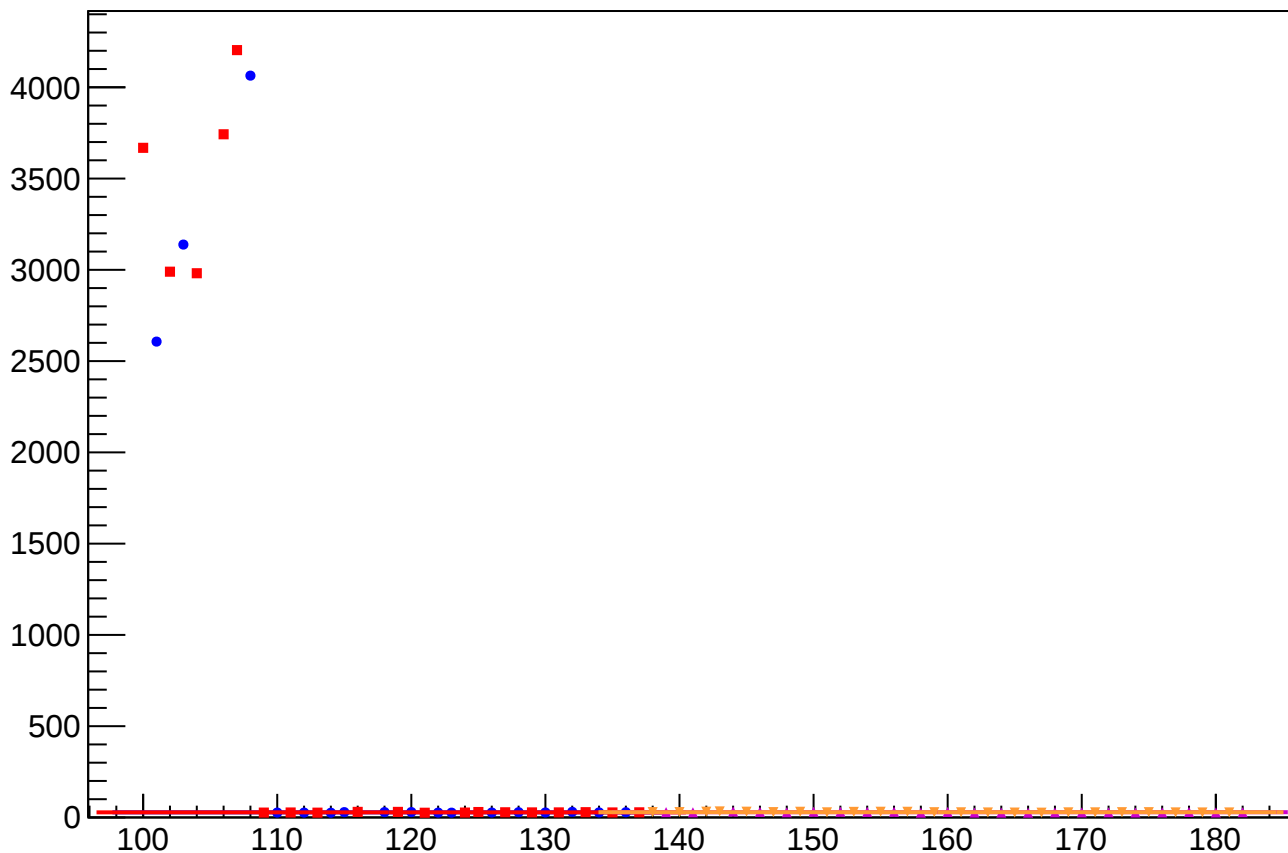
Right: 18.100+/-8.758 χ^2/NDF : 40.7/35

In: 1.588+/-6.075 χ^2/NDF :49.5/38

Out: -2.991+/-6.035 χ^2/NDF :40.4/41

All: -0.717+/-4.281 χ^2/NDF : 90.1/80

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.059 $\pm$ 0.009 χ^2 /NDF: 3028297.0/16

Left Out: 28.810 $\pm$ 0.005 χ^2 /NDF:115888.7/22

Right Out: 27.935 $\pm$ 0.009 χ^2 /NDF: 3479859.0/18

Left In: 28.797 $\pm$ 0.005 χ^2 /NDF:129352.3/21

Left: 28.803 $\pm$ 0.003 χ^2 /NDF: 245245.0/44

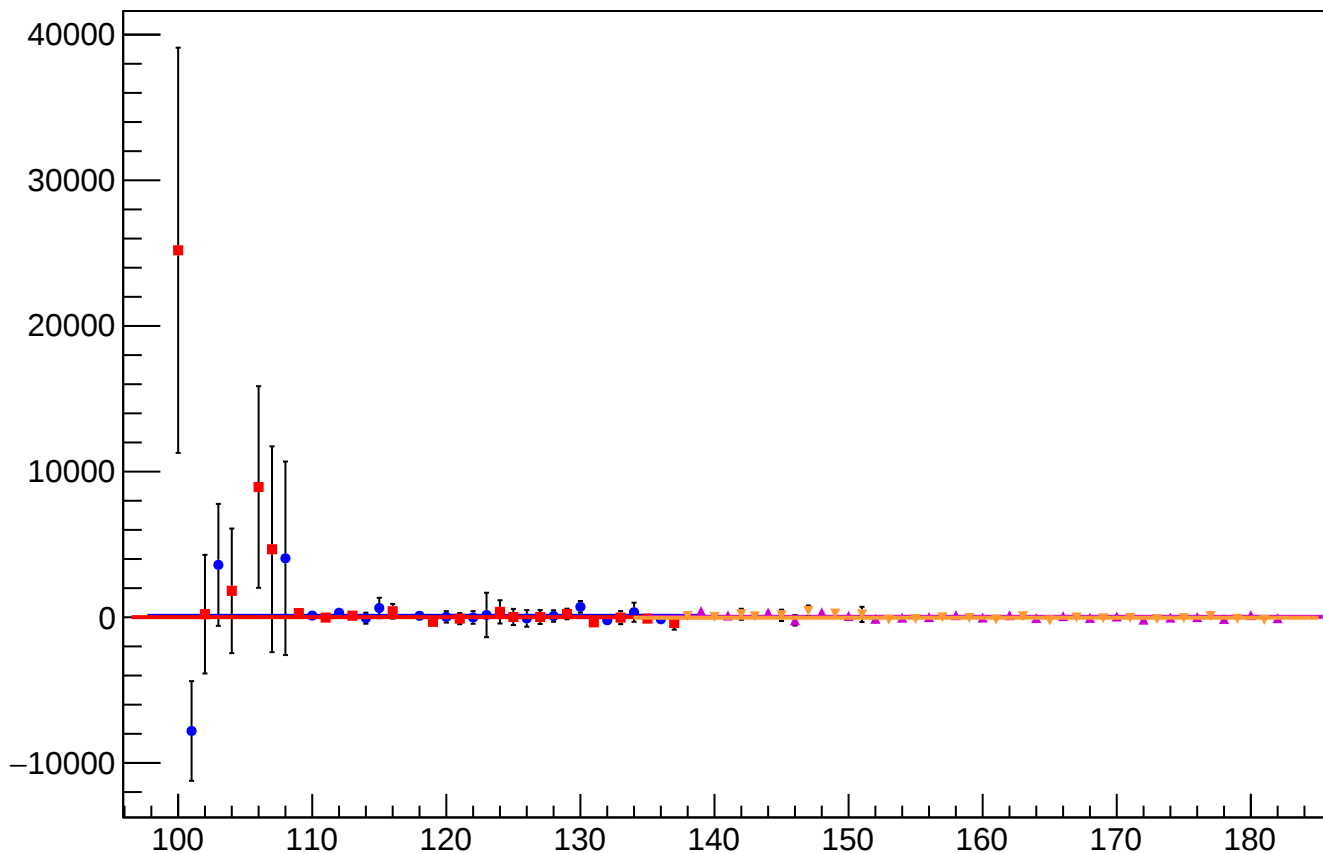
Right: 27.997 $\pm$ 0.006 χ^2 /NDF: 6508255.5/35

In: 28.620 $\pm$ 0.004 χ^2 /NDF:3163025.8/38

Out: 28.602 $\pm$ 0.004 χ^2 /NDF:3603372.7/41

All: 28.611 $\pm$ 0.003 χ^2 /NDF: 6766406.9/80

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 99.706 $\pm$ 89.513 χ^2 /NDF: 12.6/16

Left Out: -31.837 $\pm$ 51.003 χ^2 /NDF: 6.7/22

Right Out: 8.453 $\pm$ 81.796 χ^2 /NDF: 12.3/18

Left In: 32.238 $\pm$ 46.902 χ^2 /NDF: 8.1/21

Left: 2.879 $\pm$ 34.524 χ^2 /NDF: 15.7/44

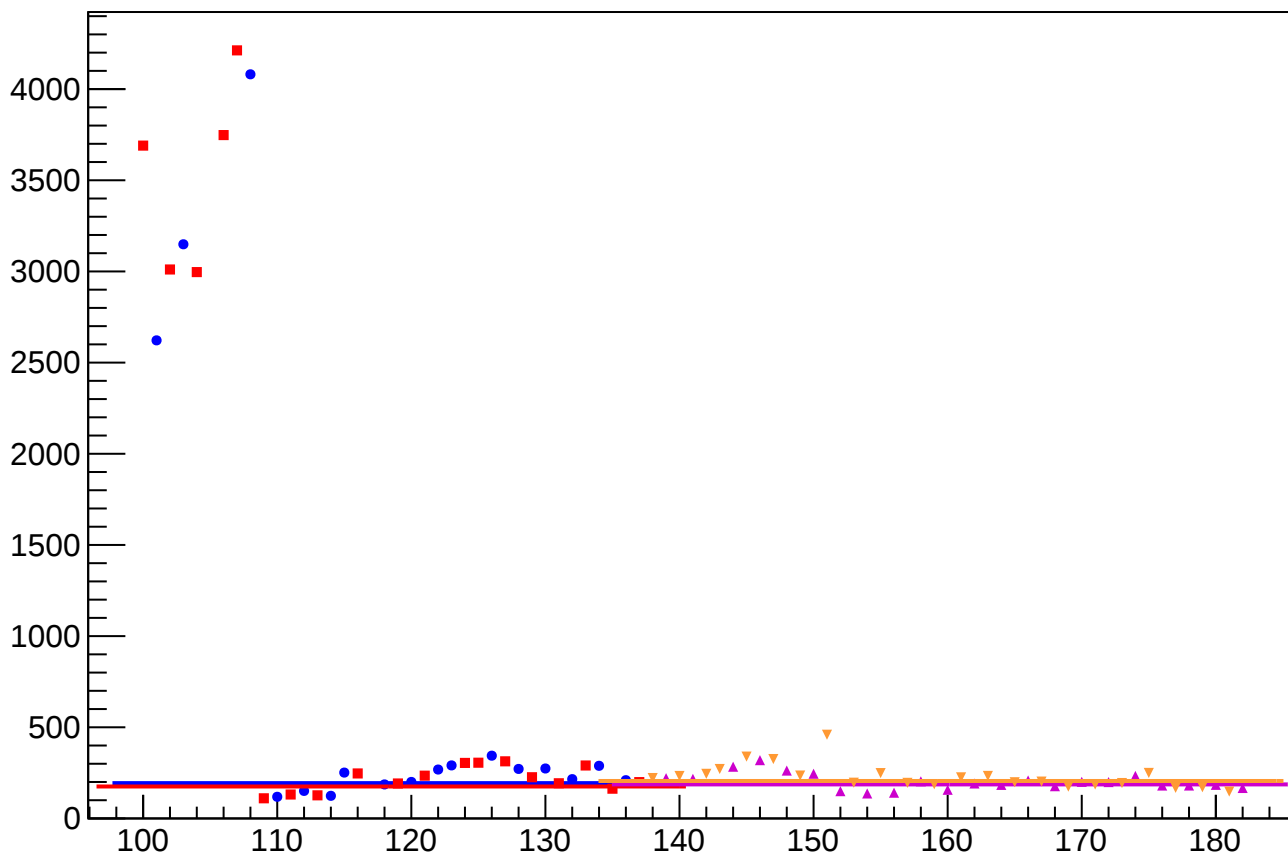
Right: 49.977 $\pm$ 60.383 χ^2 /NDF: 25.5/35

In: 46.771 $\pm$ 41.545 χ^2 /NDF: 21.2/38

Out: -20.558 $\pm$ 43.279 χ^2 /NDF: 19.2/41

All: 14.482 $\pm$ 29.971 χ^2 /NDF: 41.7/80

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.748 $\pm$ 0.063 χ^2 /NDF: 3539977.5/16

Left Out: 205.510 $\pm$ 0.036 χ^2 /NDF:1690590.7/22

Right Out: 175.305 $\pm$ 0.058 χ^2 /NDF: 4160397.0/18

Left In: 186.708 $\pm$ 0.033 χ^2 /NDF:1377086.1/21

Left: 195.323 $\pm$ 0.024 χ^2 /NDF: 3214951.9/44

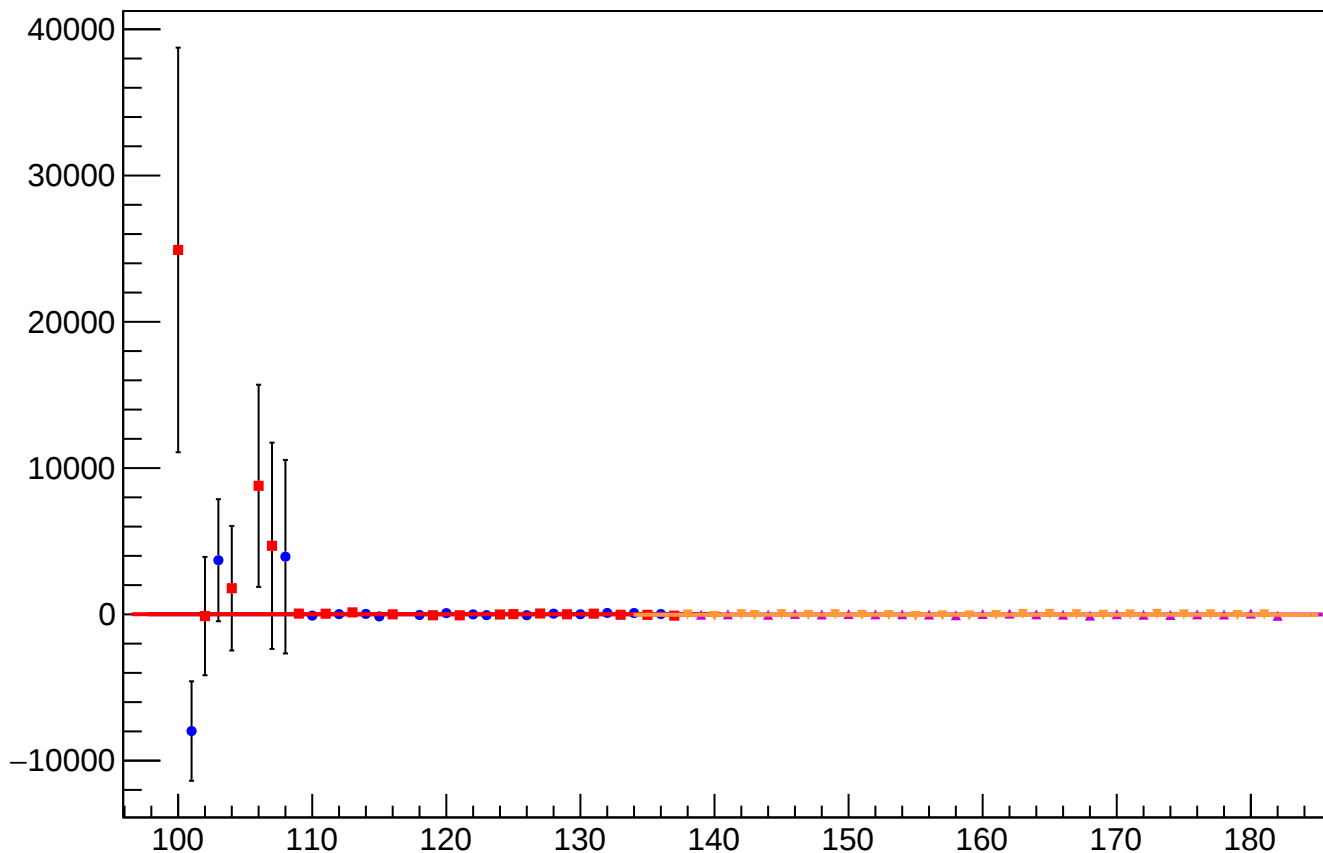
Right: 183.697 $\pm$ 0.043 χ^2 /NDF: 7746640.5/35

In: 188.224 $\pm$ 0.029 χ^2 /NDF:4926769.9/38

Out: 197.054 $\pm$ 0.031 χ^2 /NDF:6047365.7/41

All: 192.459 $\pm$ 0.021 χ^2 /NDF: 11017465.2/80

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.968 $\pm$ 15.099 χ^2 /NDF: 20.2/16

Left Out: -23.731 $\pm$ 8.284 χ^2 /NDF:23.7/22

Right Out: 11.301 $\pm$ 14.995 χ^2 /NDF: 21.5/18

Left In: -5.430 $\pm$ 8.377 χ^2 /NDF:20.8/21

Left: -14.682 $\pm$ 5.890 χ^2 /NDF: 47.0/44

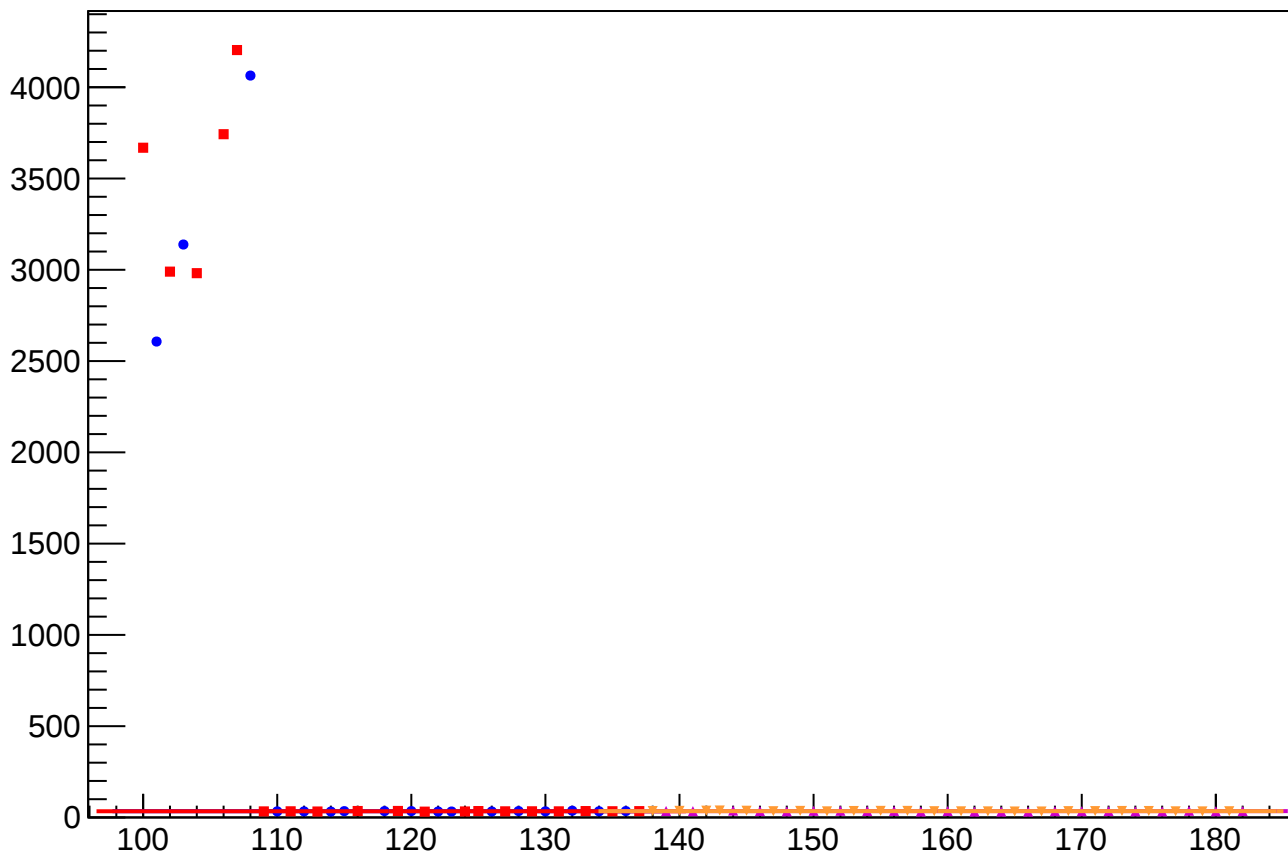
Right: 9.149 $\pm$ 10.640 χ^2 /NDF: 41.7/35

In: -2.512 $\pm$ 7.325 χ^2 /NDF:41.6/38

Out: -15.539 $\pm$ 7.251 χ^2 /NDF:49.4/41

All: -9.092 $\pm$ 5.153 χ^2 /NDF: 92.5/80

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.196+/-0.011 χ^2 /NDF: 3006449.1/16

Left Out: 34.575+/-0.006 χ^2 /NDF:54205.1/22

Right Out: 33.933+/-0.011 χ^2 /NDF: 3452016.9/18

Left In: 34.681+/-0.006 χ^2 /NDF:60286.3/21

Left: 34.627+/-0.004 χ^2 /NDF: 114654.5/44

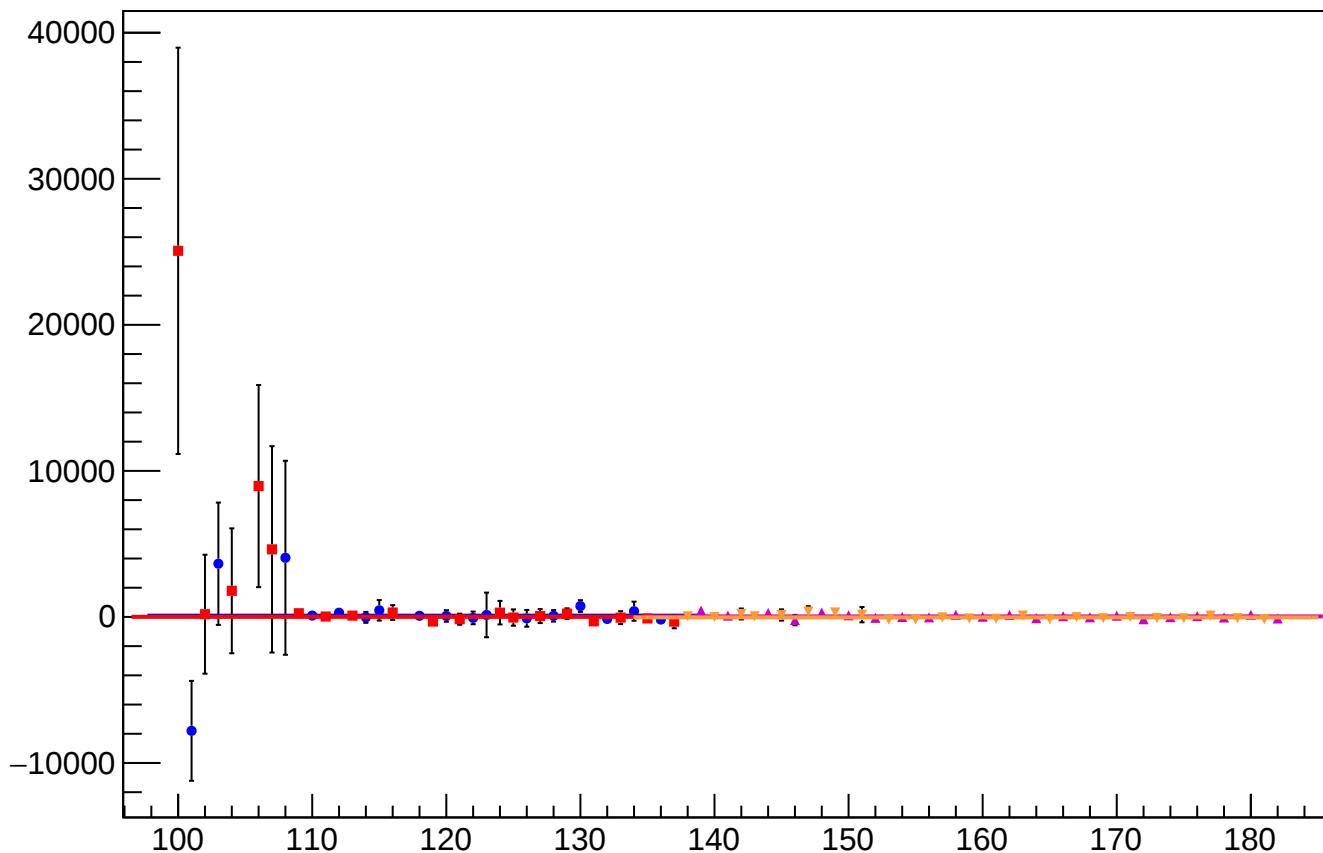
Right: 34.064+/-0.008 χ^2 /NDF: 6458772.8/35

In: 34.567+/-0.005 χ^2 /NDF:3068310.2/38

Out: 34.425+/-0.005 χ^2 /NDF:3509028.0/41

All: 34.495+/-0.004 χ^2 /NDF: 6577720.1/80

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 87.034+/-89.059 χ^2/NDF : 12.5/16

Left Out: -30.199+/-50.950 χ^2/NDF : 6.4/22

Right Out: 5.093+/-81.280 χ^2/NDF : 11.1/18

Left In: 36.125+/-46.843 χ^2/NDF : 7.3/21

Left: 5.743+/-34.484 χ^2/NDF : 14.6/44

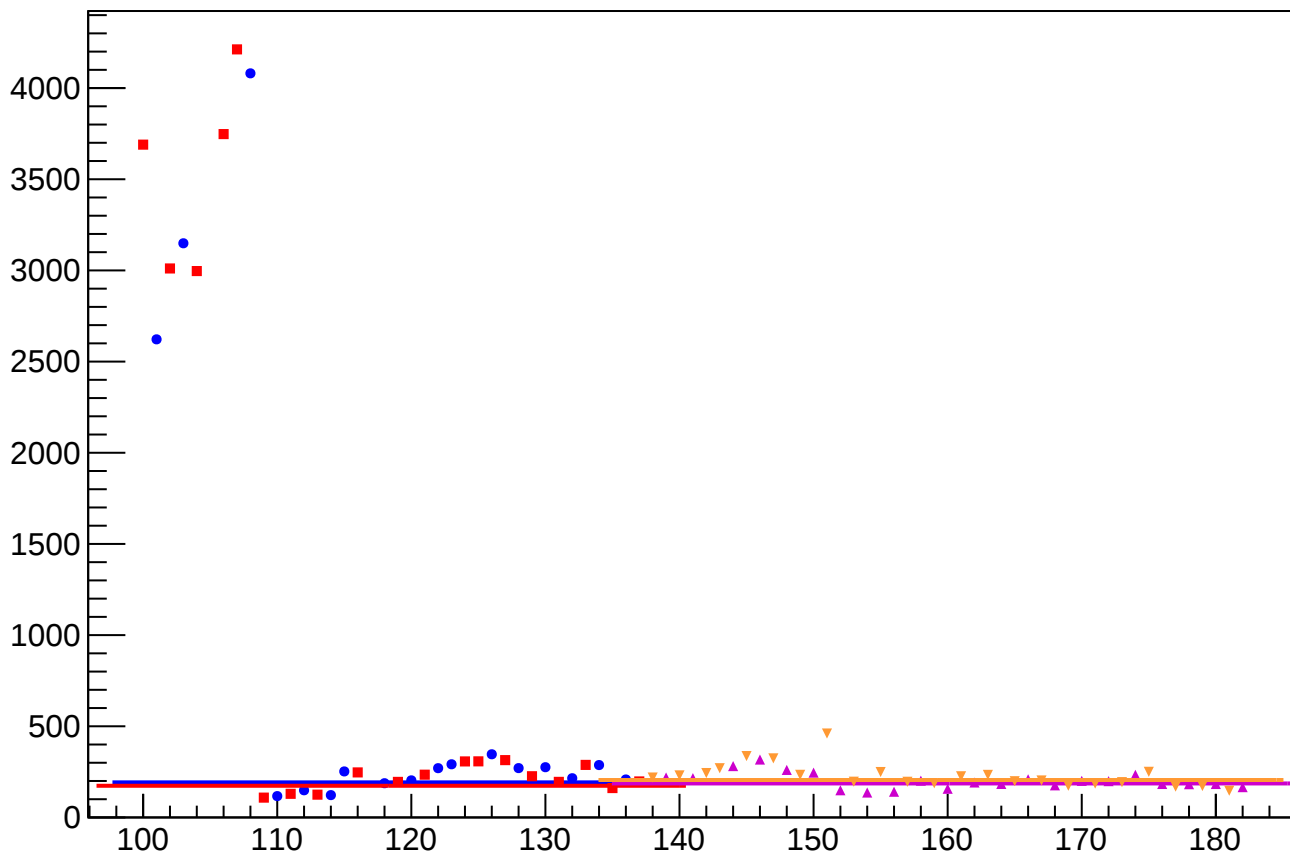
Right: 42.329+/-60.036 χ^2/NDF : 24.1/35

In: 47.157+/-41.458 χ^2/NDF : 20.1/38

Out: -20.244+/-43.169 χ^2/NDF : 17.6/41

All: 14.819+/-29.902 χ^2/NDF : 39.0/80

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.416+/-0.063 χ^2/NDF : 3577822.3/16

Left Out: 205.315+/-0.036 χ^2/NDF :1677747.9/22

Right Out: 173.760+/-0.057 χ^2/NDF : 4205861.6/18

Left In: 186.473+/-0.033 χ^2/NDF :1366718.8/21

Left: 195.104+/-0.024 χ^2/NDF : 3192702.2/44

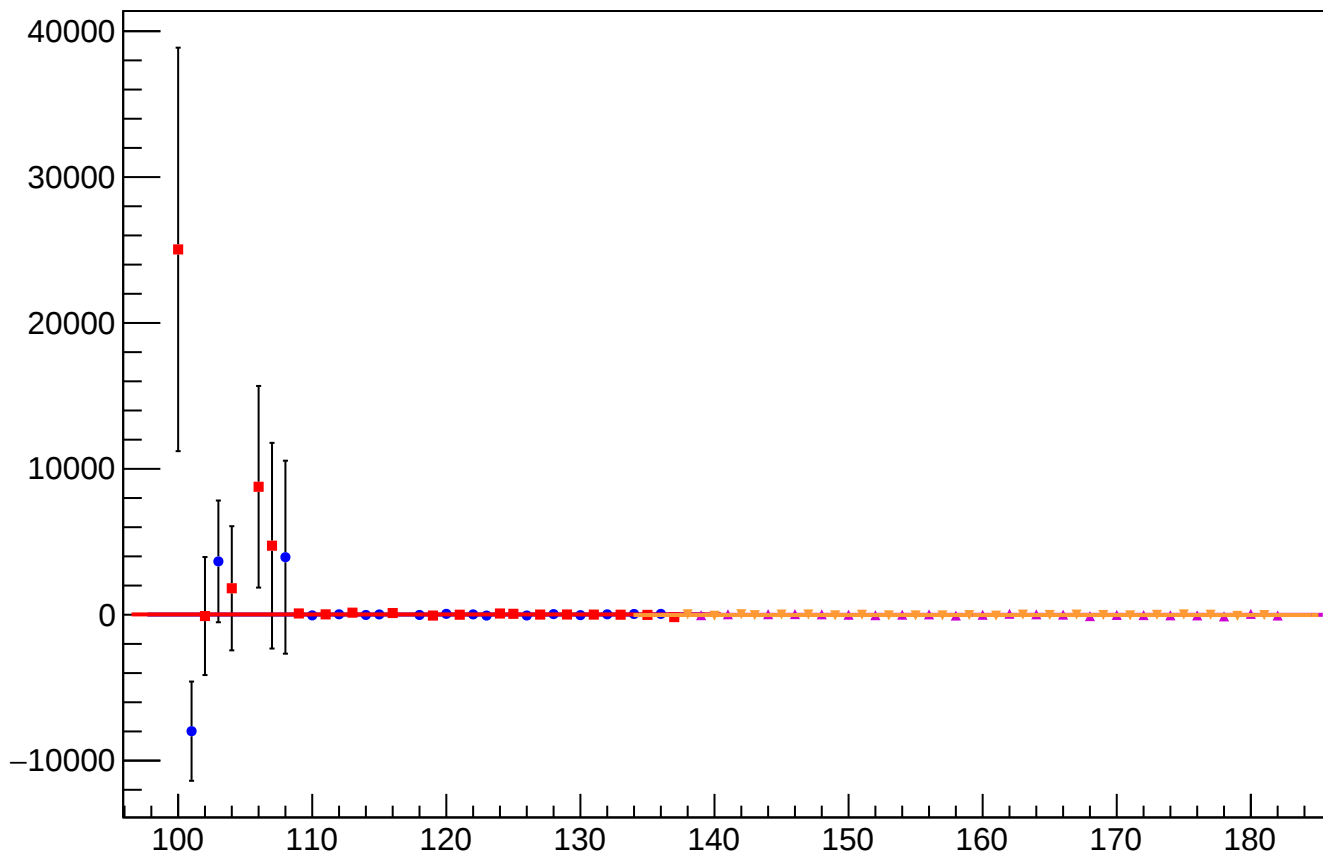
Right: 182.238+/-0.042 χ^2/NDF : 7831562.8/35

In: 187.761+/-0.029 χ^2/NDF :4951517.1/38

Out: 196.414+/-0.031 χ^2/NDF :6100016.5/41

All: 191.912+/-0.021 χ^2/NDF : 11093336.9/80

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 12.332 $\pm$ 13.769 χ^2 /NDF: 14.5/16

Left Out: -20.743 $\pm$ 7.542 χ^2 /NDF:17.3/22

Right Out: 22.098 $\pm$ 13.701 χ^2 /NDF: 27.9/18

Left In: -5.925 $\pm$ 7.612 χ^2 /NDF:38.3/21

Left: -13.402 $\pm$ 5.358 χ^2 /NDF: 57.6/44

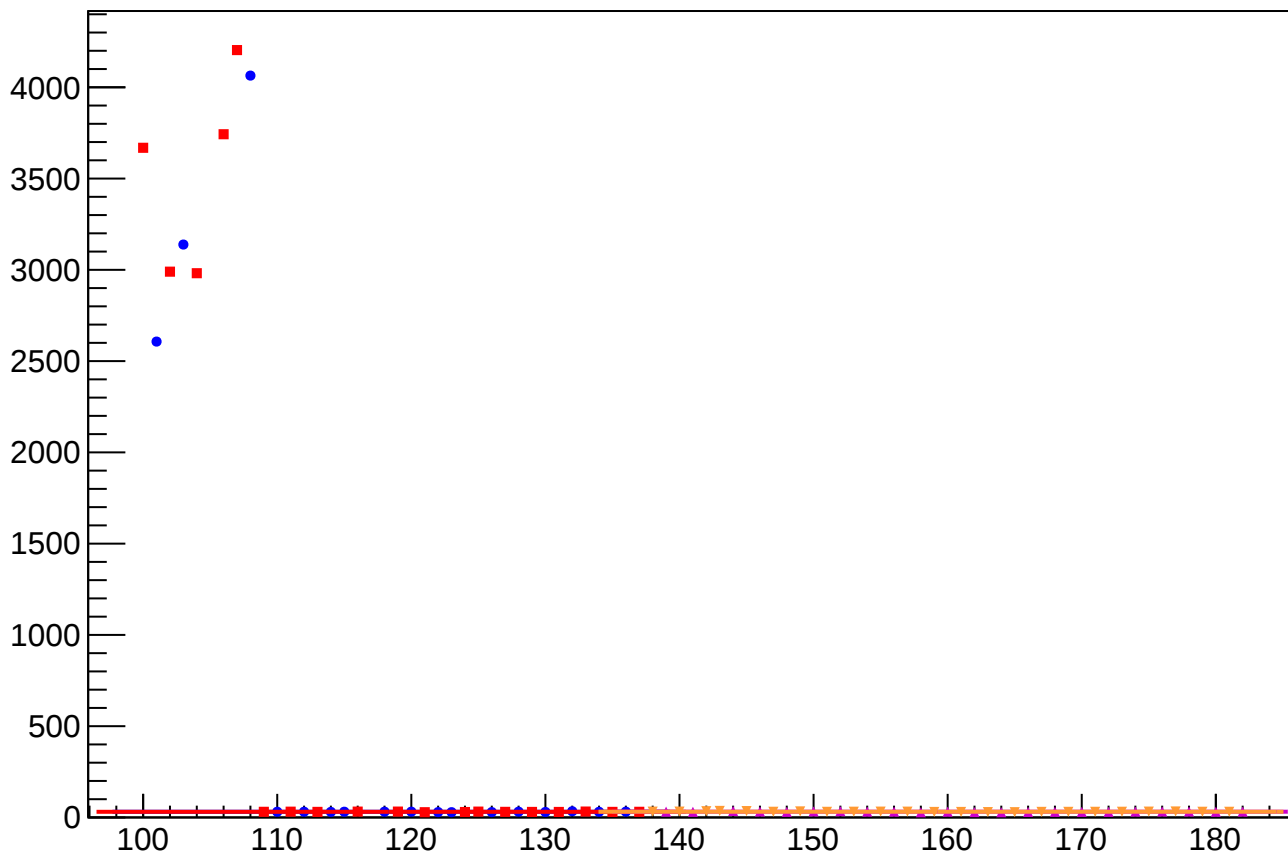
Right: 17.239 $\pm$ 9.712 χ^2 /NDF: 42.7/35

In: -1.652 $\pm$ 6.661 χ^2 /NDF:54.2/38

Out: -10.779 $\pm$ 6.607 χ^2 /NDF:52.7/41

All: -6.253 $\pm$ 4.691 χ^2 /NDF: 107.9/80

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.184+/-0.010 χ^2/NDF : 3014248.1/16

Left Out: 31.456+/-0.005 χ^2/NDF : 77407.3/22

Right Out: 30.984+/-0.010 χ^2/NDF : 3458879.7/18

Left In: 31.480+/-0.005 χ^2/NDF : 87946.5/21

Left: 31.468+/-0.004 χ^2/NDF : 165364.0/44

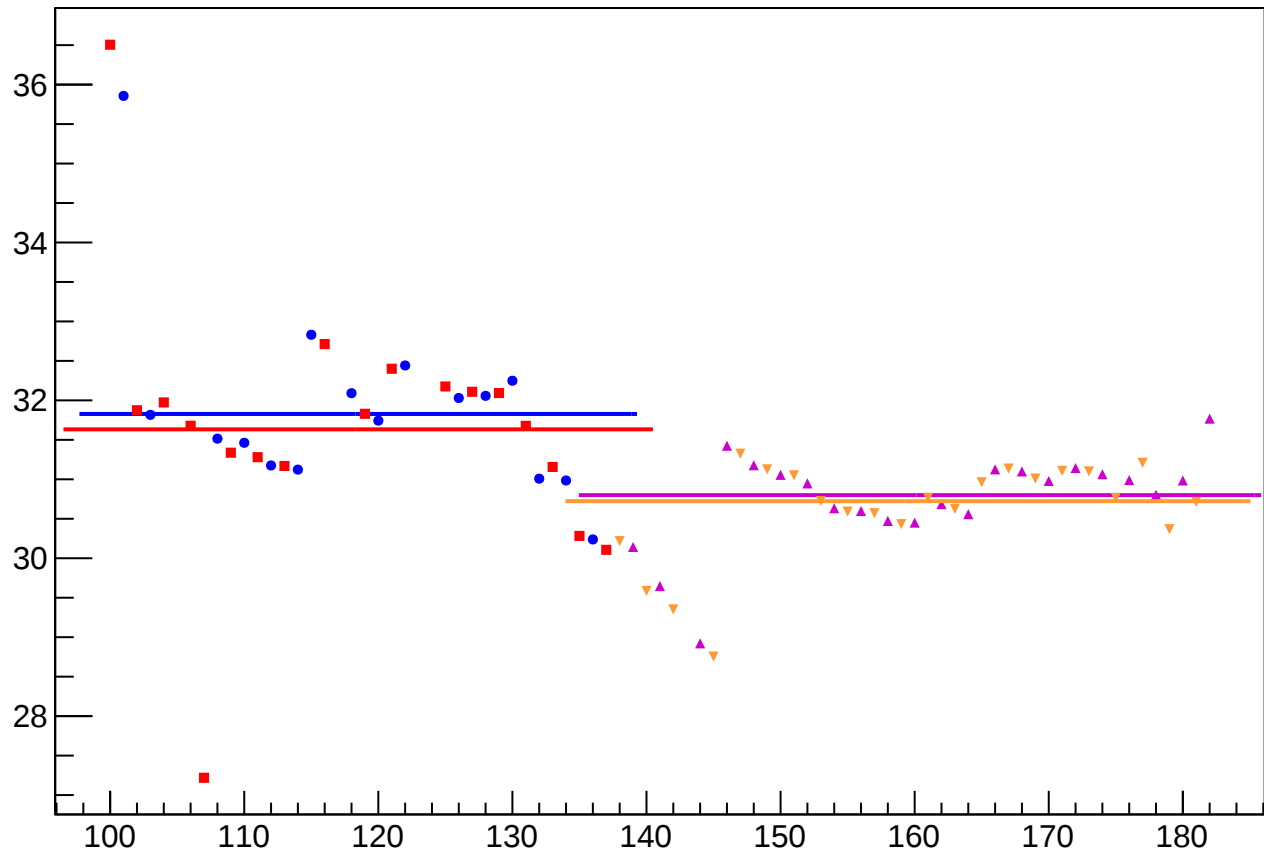
Right: 31.084+/-0.007 χ^2/NDF : 6473339.7/35

In: 31.411+/-0.005 χ^2/NDF : 3102903.0/38

Out: 31.346+/-0.005 χ^2/NDF : 3538107.4/41

All: 31.379+/-0.003 χ^2/NDF : 6641105.3/80

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.828+/-0.000 χ^2/NDF : 1553310195.5/15

Left Out: 30.723+/-0.000 χ^2/NDF : 766198986.2/21

Right Out: 31.633+/-0.000 χ^2/NDF : 860874235.3/17

Left In: 30.800+/-0.000 χ^2/NDF : 809683221.3/21

Left: 30.761+/-0.000 χ^2/NDF : 1583587085.5/43

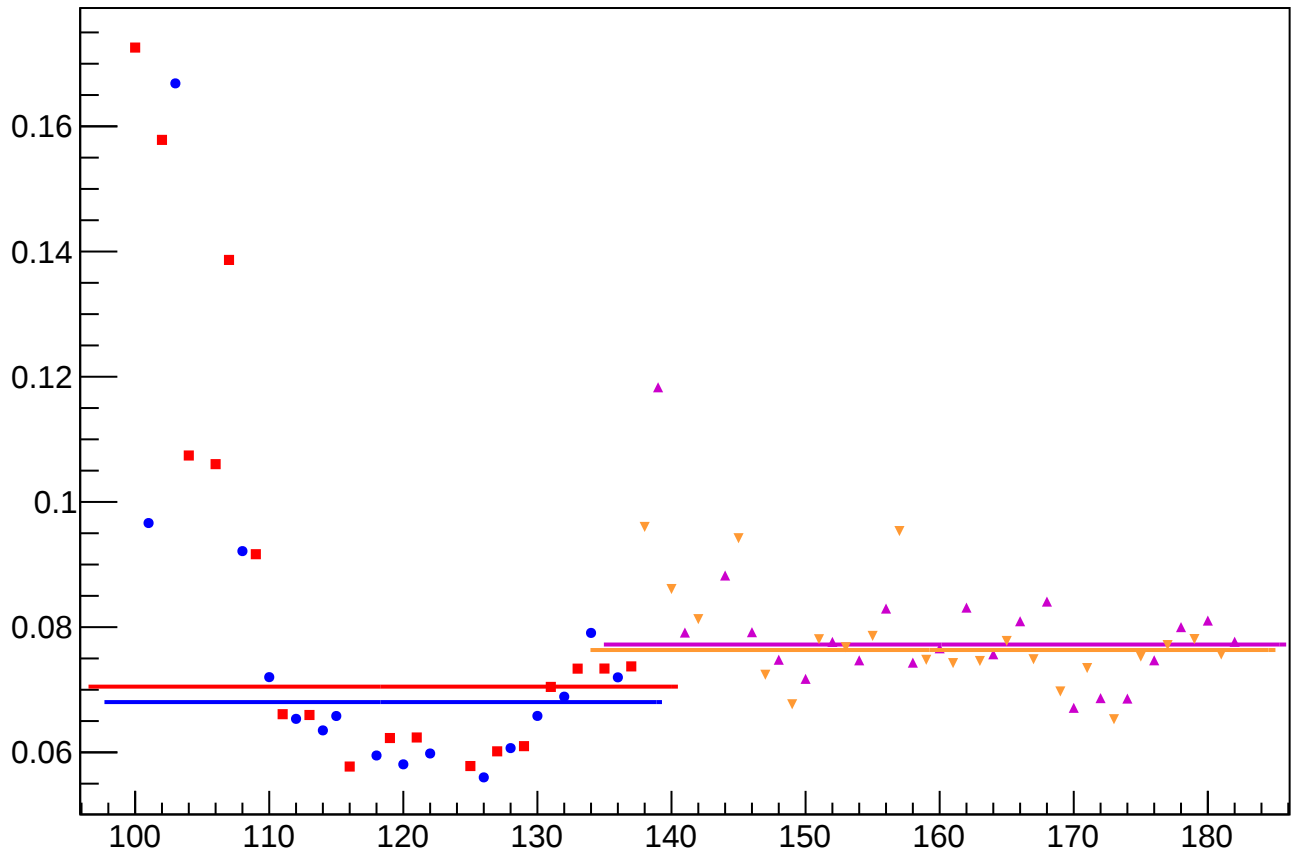
Right: 31.733+/-0.000 χ^2/NDF : 2437244859.0/33

In: 31.131+/-0.000 χ^2/NDF : 3253927622.0/37

Out: 31.007+/-0.000 χ^2/NDF : 2302374941.3/39

All: 31.070+/-0.000 χ^2/NDF : 5585655510.7/77

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF : 632212.4/15

Left Out: 0.076+/-0.000 χ^2/NDF :268276.3/21

Right Out: 0.070+/-0.000 χ^2/NDF : 838852.0/17

Left In: 0.077+/-0.000 χ^2/NDF :320941.8/21

Left: 0.077+/-0.000 χ^2/NDF : 591233.0/43

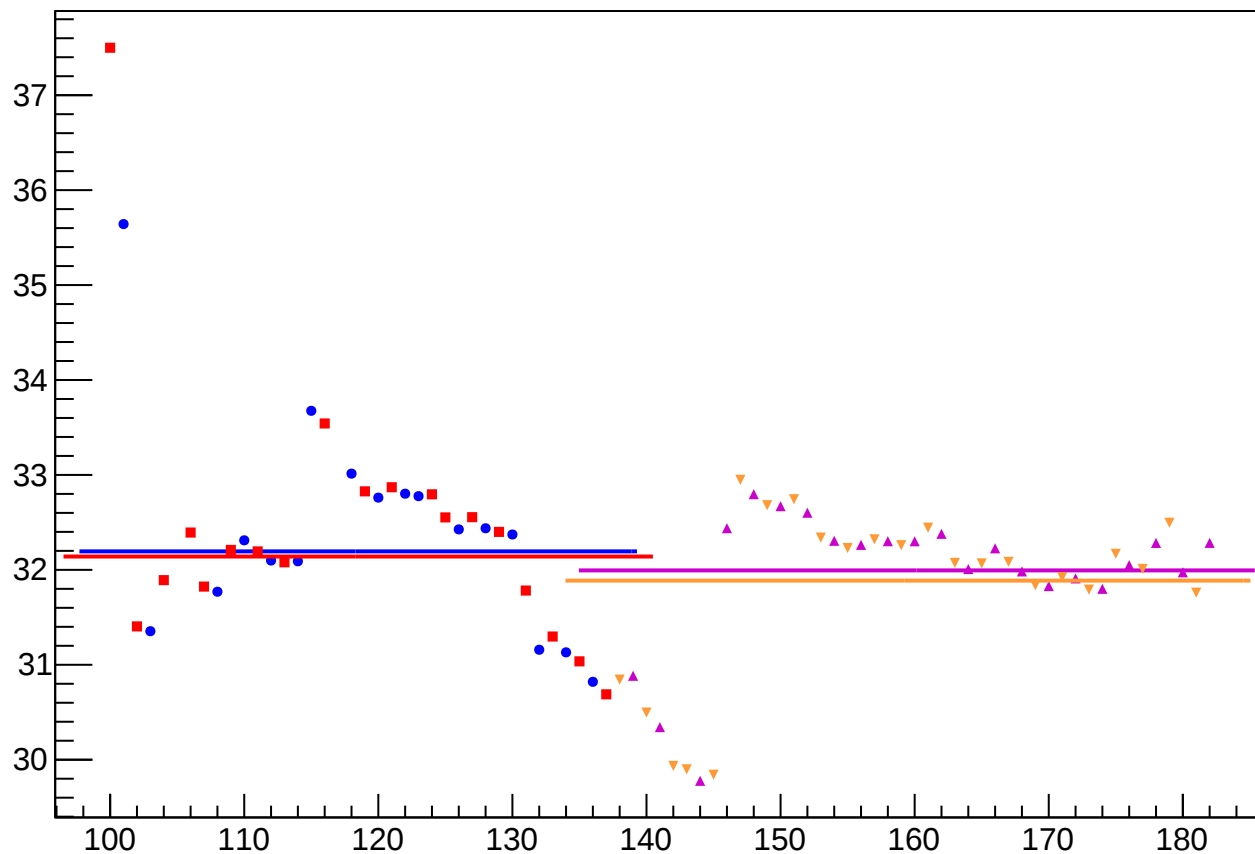
Right: 0.069+/-0.000 χ^2/NDF : 1478459.9/33

In: 0.074+/-0.000 χ^2/NDF :1095651.5/37

Out: 0.075+/-0.000 χ^2/NDF :1162901.1/39

All: 0.074+/-0.000 χ^2/NDF : 2258807.6/77

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.195+/-0.000 χ^2/NDF : 1002008039.3/16

Left Out: 31.887+/-0.000 χ^2/NDF : 1890640261.2/22

Right Out: 32.140+/-0.000 χ^2/NDF : 421423009.8/18

Left In: 31.994+/-0.000 χ^2/NDF : 1404180199.7/21

Left: 31.940+/-0.000 χ^2/NDF : 3310420468.5/44

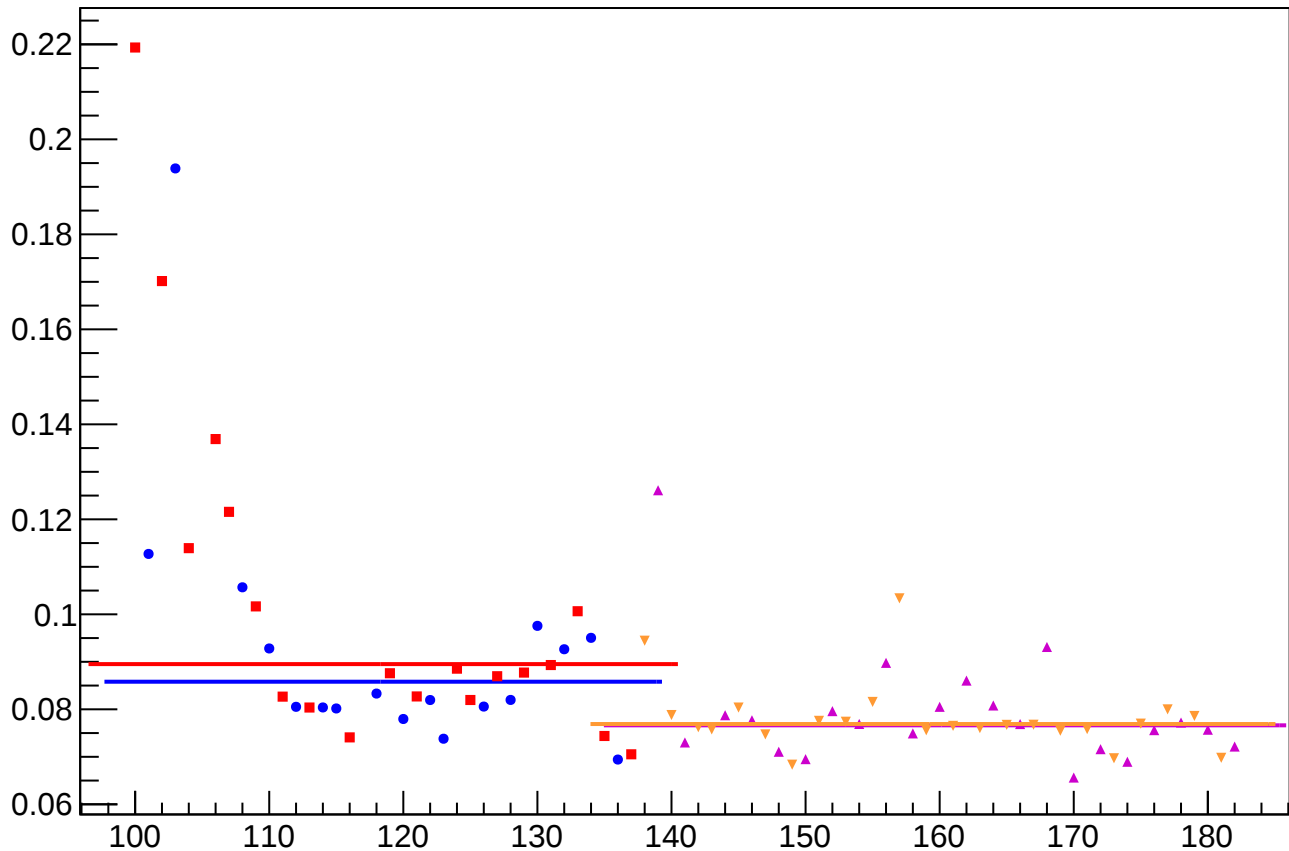
Right: 32.168+/-0.000 χ^2/NDF : 1424570223.8/35

In: 32.039+/-0.000 χ^2/NDF : 2430577192.5/38

Out: 31.943+/-0.000 χ^2/NDF : 2350372957.8/41

All: 31.991+/-0.000 χ^2/NDF : 4797174068.9/80

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF : 554772.3/16

Left Out: 0.077+/-0.000 χ^2/NDF :199335.8/22

Right Out: 0.090+/-0.000 χ^2/NDF : 539119.2/18

Left In: 0.077+/-0.000 χ^2/NDF :427819.6/21

Left: 0.077+/-0.000 χ^2/NDF : 627356.9/44

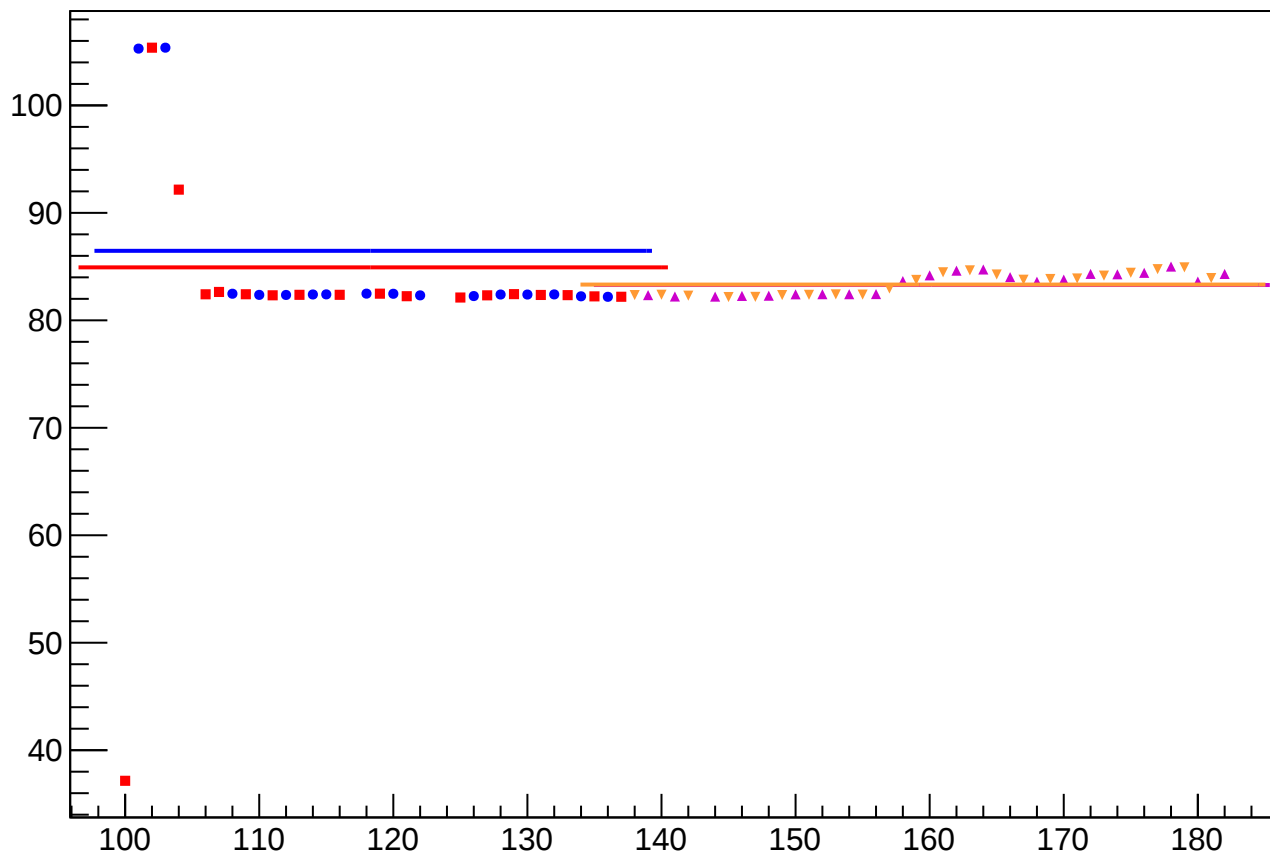
Right: 0.088+/-0.000 χ^2/NDF : 1104533.7/35

In: 0.079+/-0.000 χ^2/NDF :1085077.7/38

Out: 0.080+/-0.000 χ^2/NDF :927958.1/41

All: 0.079+/-0.000 χ^2/NDF : 2016442.6/80

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.468+/-0.000

χ^2/NDF : 291253714999.8/15

Left: 83.306+/-0.000

χ^2/NDF : 16012801759.0/43

Left Out: 83.327+/-0.000

χ^2/NDF : 7907587711.3/21

Right: 85.685+/-0.000

χ^2/NDF : 467884612641.3/33

Right Out: 84.929+/-0.000

χ^2/NDF : 172101973960.6/17

In: 84.285+/-0.000

χ^2/NDF : 325452126785.0/37

Out: 83.858+/-0.000

χ^2/NDF : 186684441481.4/39

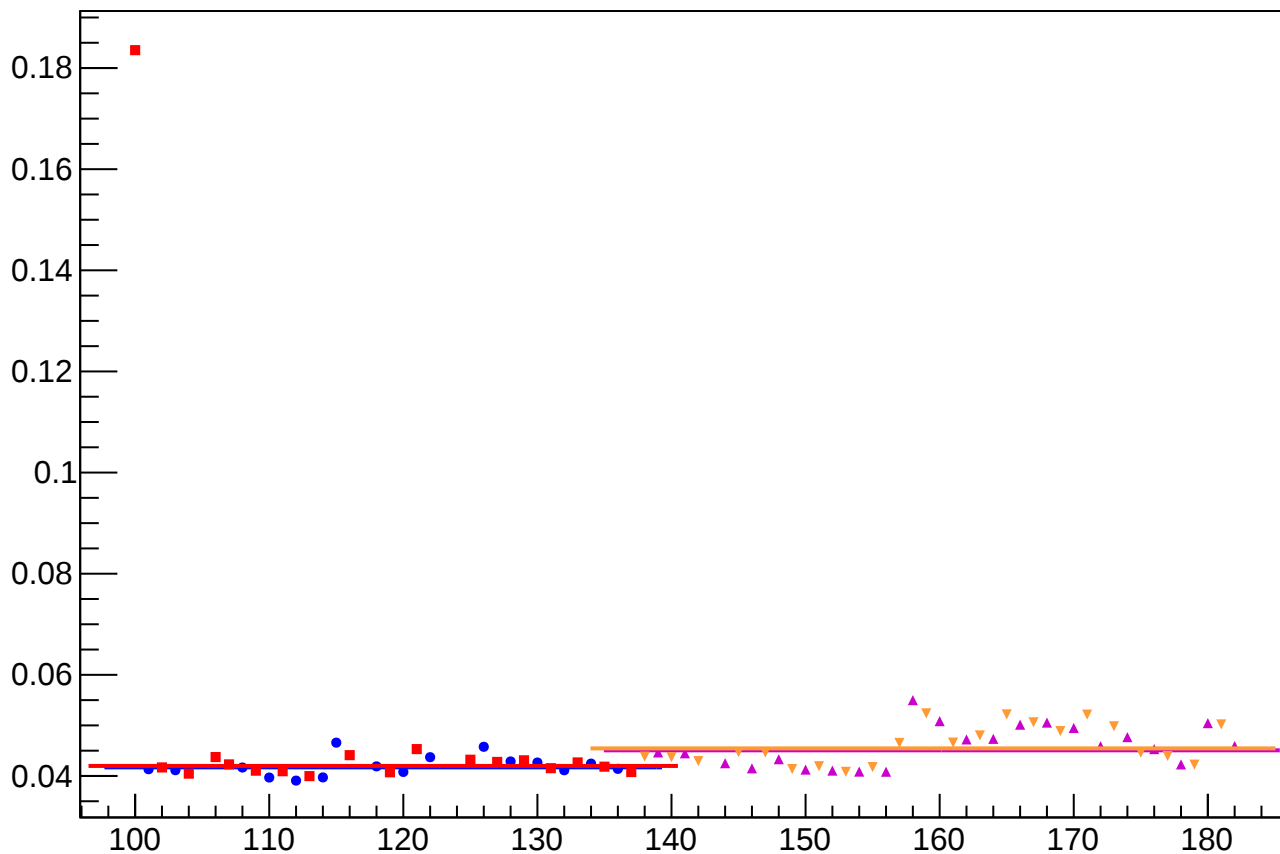
Left In: 83.286+/-0.000

χ^2/NDF : 8098399974.2/21

All: 84.073+/-0.000

χ^2/NDF : 513219983040.0

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF : 19442.4/15

Left Out: 0.045+/-0.000 χ^2/NDF : 203878.1/21

Right Out: 0.042+/-0.000 χ^2/NDF : 96987.8/17

Left In: 0.045+/-0.000 χ^2/NDF : 236630.2/21

Left: 0.045+/-0.000 χ^2/NDF : 441682.0/43

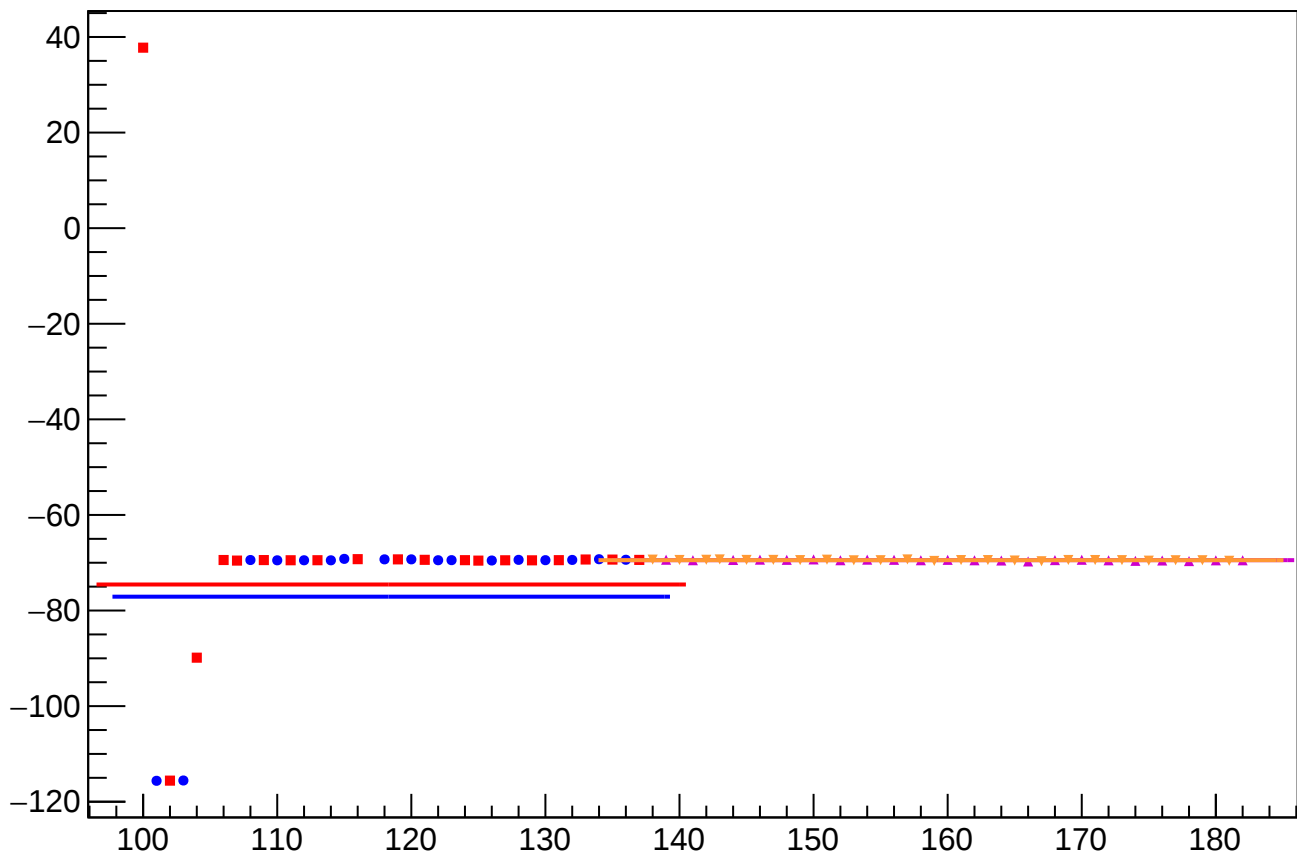
Right: 0.042+/-0.000 χ^2/NDF : 116719.0/33

In: 0.044+/-0.000 χ^2/NDF : 314409.9/37

Out: 0.044+/-0.000 χ^2/NDF : 363581.4/39

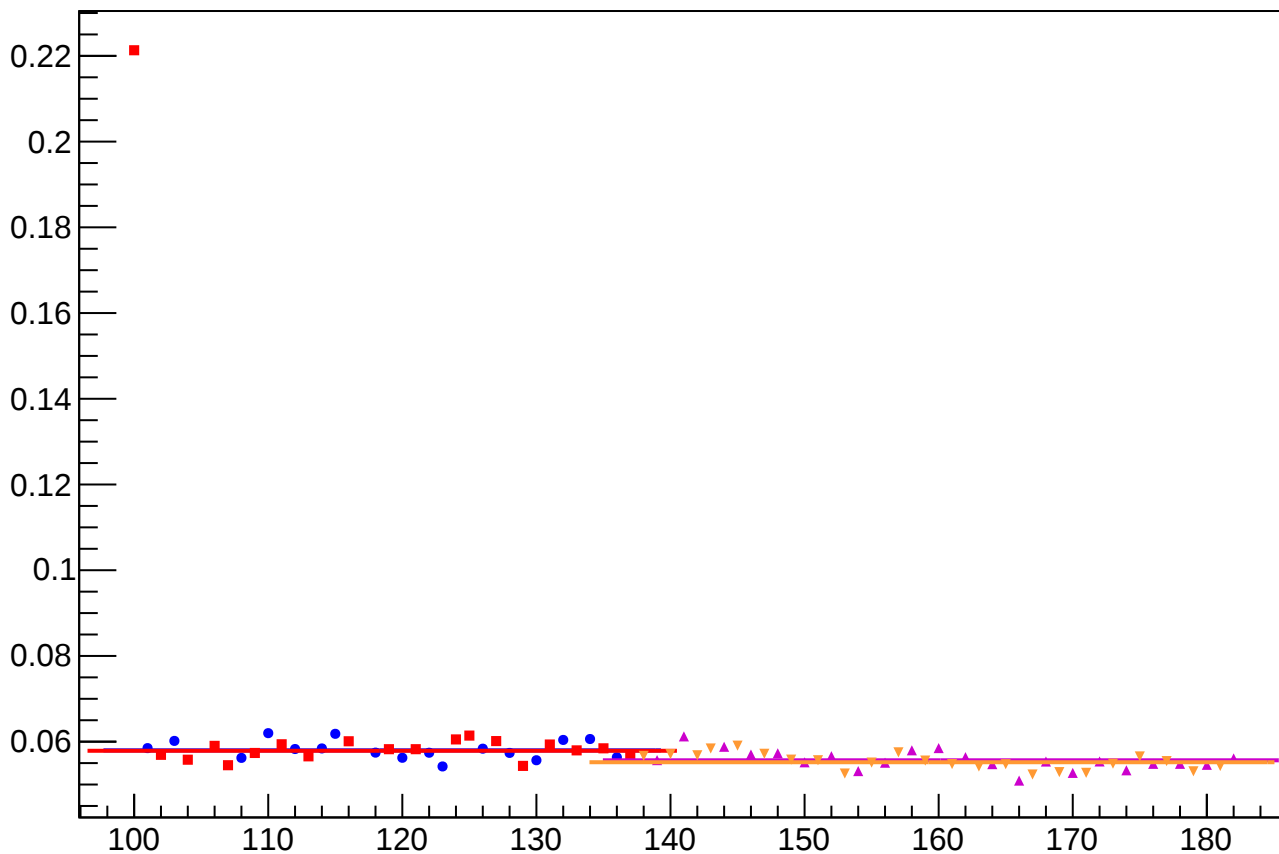
All: 0.044+/-0.000 χ^2/NDF : 678980.4/77

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.101+/-0.000	χ^2/NDF : 564992278701.1/16	Left: -69.462+/-0.000	χ^2/NDF : 99532260.9/44
Left Out: -69.465+/-0.000	χ^2/NDF : 47502440.9/22	Right: -75.784+/-0.000	χ^2/NDF : 943228509649.0/3
Right Out: -74.552+/-0.000	χ^2/NDF : 371830924165.2/18	In: -71.469+/-0.000	χ^2/NDF : 647176622246.3/38
Left In: -69.460+/-0.000	χ^2/NDF : 51964664.6/21	Out: -70.839+/-0.000	χ^2/NDF : 410423560000.9/41
		All: -71.148+/-0.000	χ^2/NDF : 105906796309

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF : 12317.7/16

Left Out: 0.055+/-0.000 χ^2/NDF : 37141.3/22

Right Out: 0.058+/-0.000 χ^2/NDF : 87700.9/18

Left In: 0.056+/-0.000 χ^2/NDF : 50004.0/21

Left: 0.055+/-0.000 χ^2/NDF : 88251.7/44

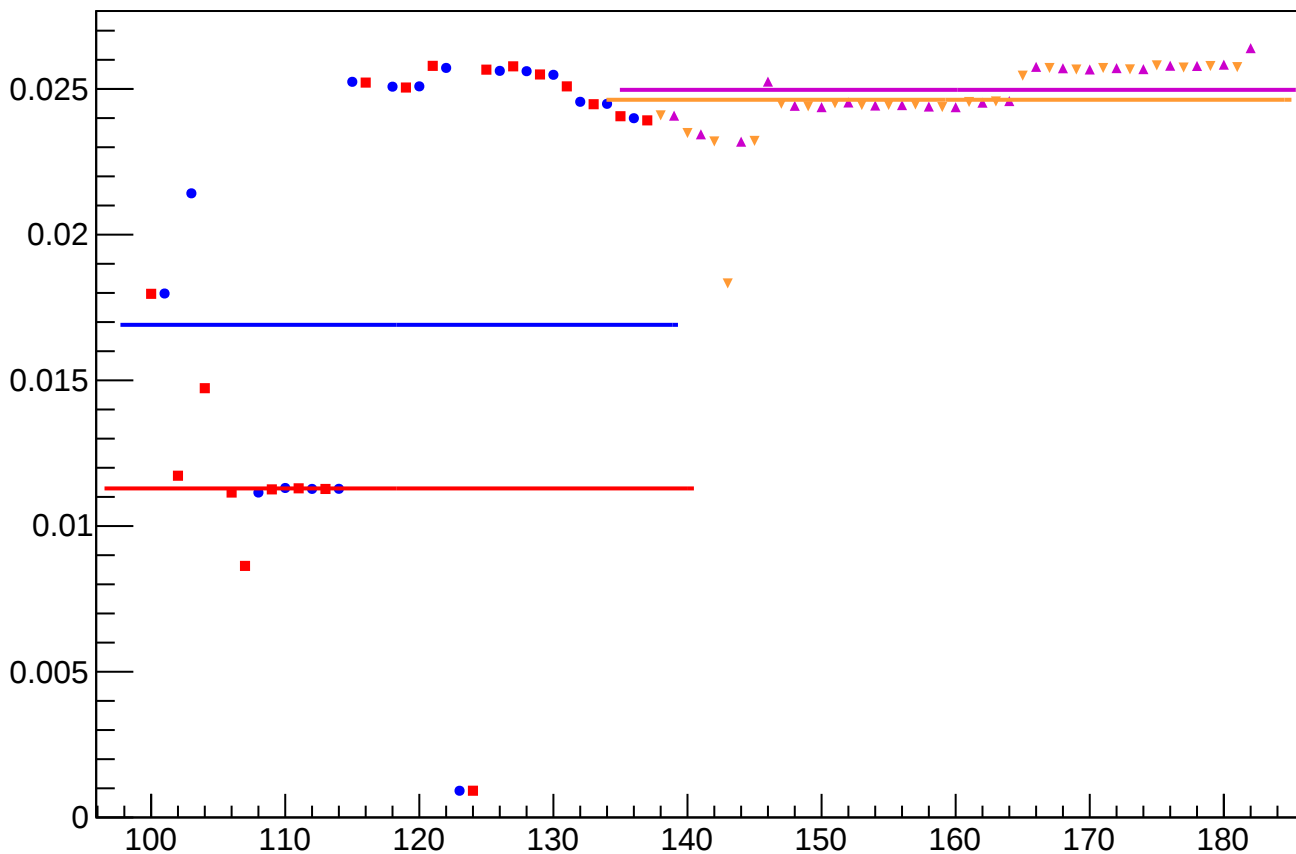
Right: 0.058+/-0.000 χ^2/NDF : 100037.7/35

In: 0.056+/-0.000 χ^2/NDF : 77449.3/38

Out: 0.056+/-0.000 χ^2/NDF : 146104.4/41

All: 0.056+/-0.000 χ^2/NDF : 224405.7/80

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.000

χ^2/NDF : 126025885261.2/16

Left: 0.025 $\pm$ 0.000

χ^2/NDF : 10612505877.5/44

Left Out: 0.025 $\pm$ 0.000

χ^2/NDF : 8077270338.9/22

Right: 0.014 $\pm$ 0.000

χ^2/NDF : 390315372797.0/35

Right Out: 0.011 $\pm$ 0.000

χ^2/NDF : 233231439443.8/18

In: 0.022 $\pm$ 0.000

χ^2/NDF : 201760514567.1/38

Out: 0.019 $\pm$ 0.000

χ^2/NDF : 493763388902.8/41

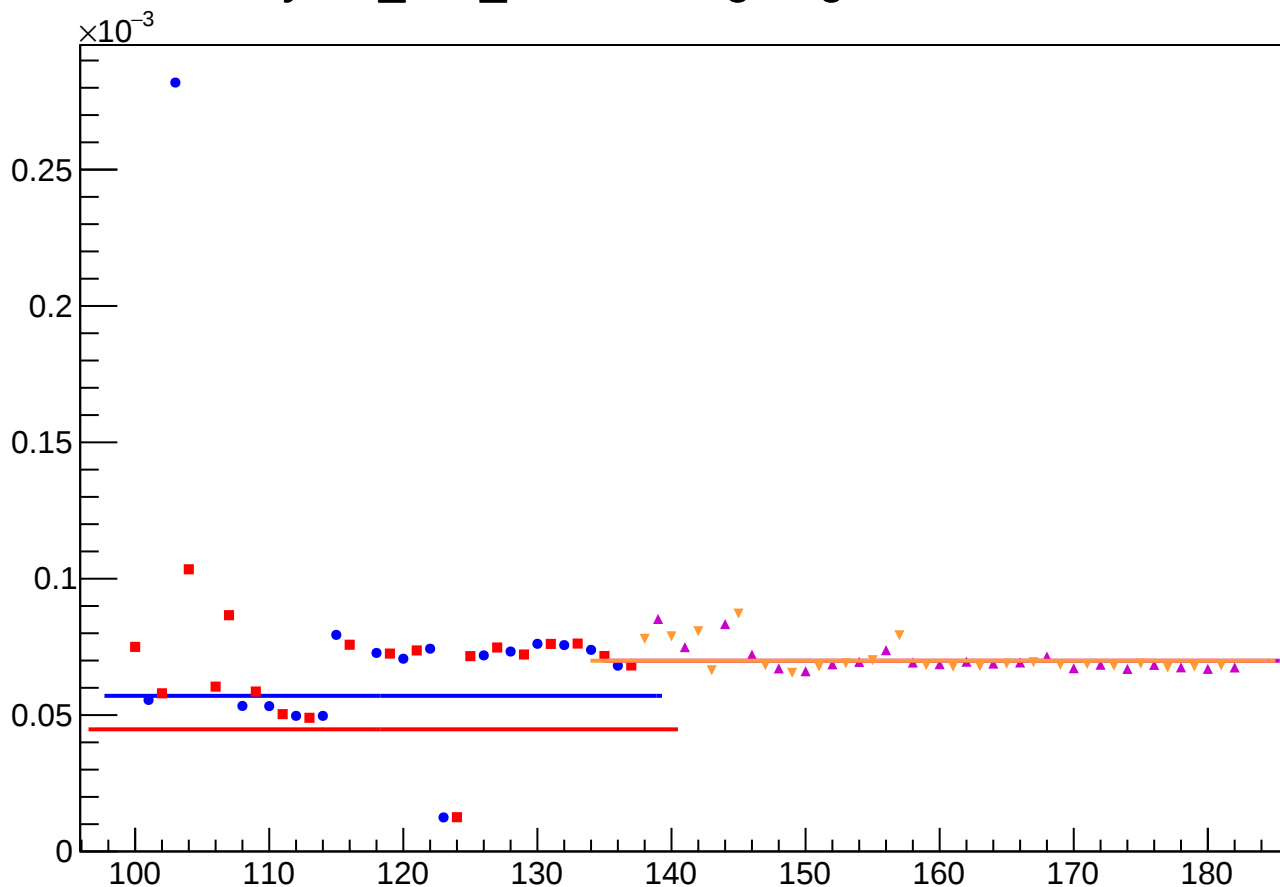
Left In: 0.025 $\pm$ 0.000

χ^2/NDF : 2333857292.4/21

All: 0.021 $\pm$ 0.000

χ^2/NDF : 722402177399.3

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 1998313.1/16

Left Out: 0.000+/-0.000 χ^2/NDF : 152093.8/22

Right Out: 0.000+/-0.000 χ^2/NDF : 3584797.7/18

Left In: 0.000+/-0.000 χ^2/NDF : 127700.7/21

Left: 0.000+/-0.000 χ^2/NDF : 279795.9/44

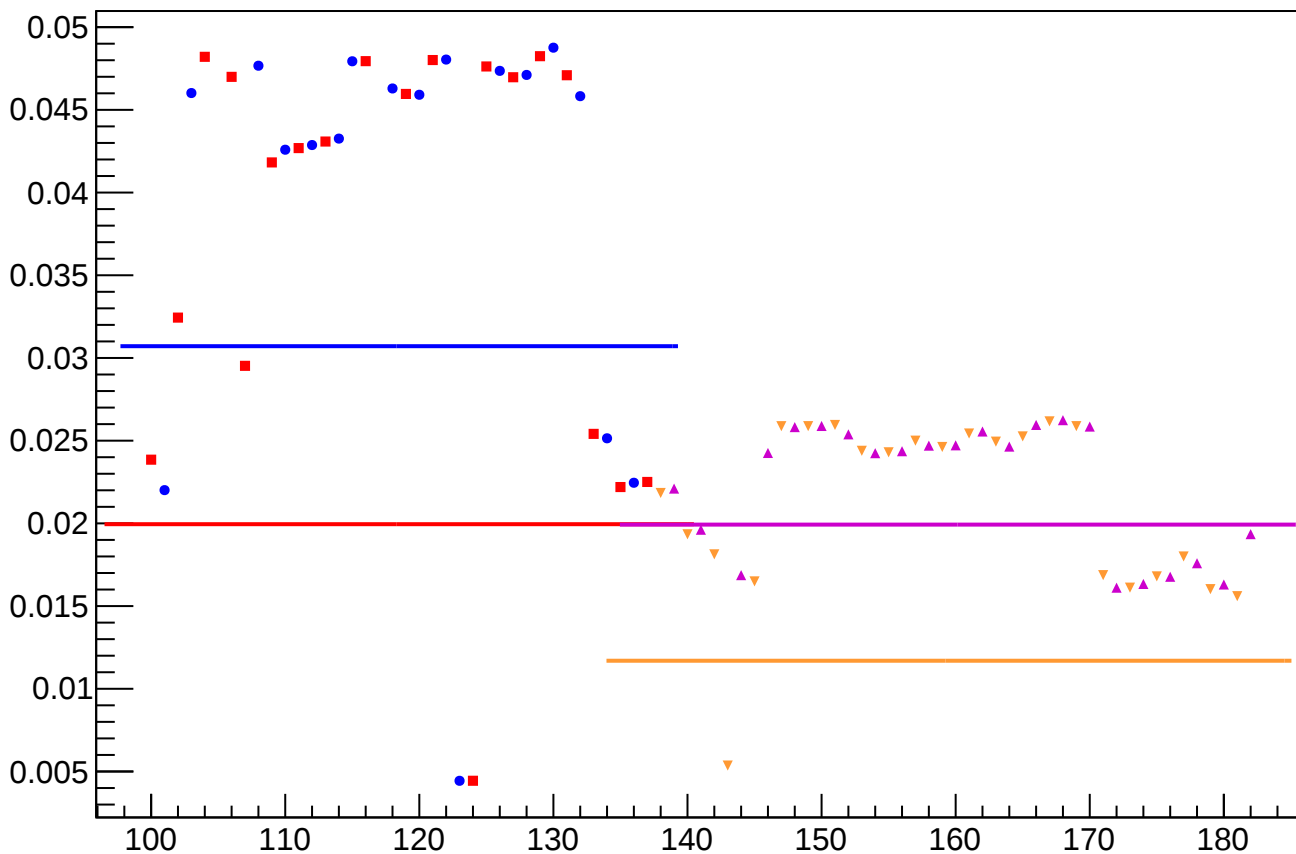
Right: 0.000+/-0.000 χ^2/NDF : 5880543.5/35

In: 0.000+/-0.000 χ^2/NDF : 2499484.3/38

Out: 0.000+/-0.000 χ^2/NDF : 5534597.9/41

All: 0.000+/-0.000 χ^2/NDF : 8232418.0/80

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000

χ^2/NDF : 21081896587.0/16

Left: 0.014+/-0.000

χ^2/NDF : 53926090347.4/44

Left Out: 0.012+/-0.000

χ^2/NDF : 36239894903.7/22

Right: 0.024+/-0.000

χ^2/NDF : 65945636708.3/35

Right Out: 0.020+/-0.000

χ^2/NDF : 39758690289.2/18

In: 0.022+/-0.000

χ^2/NDF : 32114474403.5/38

Out: 0.013+/-0.000

χ^2/NDF : 82723957925.8/41

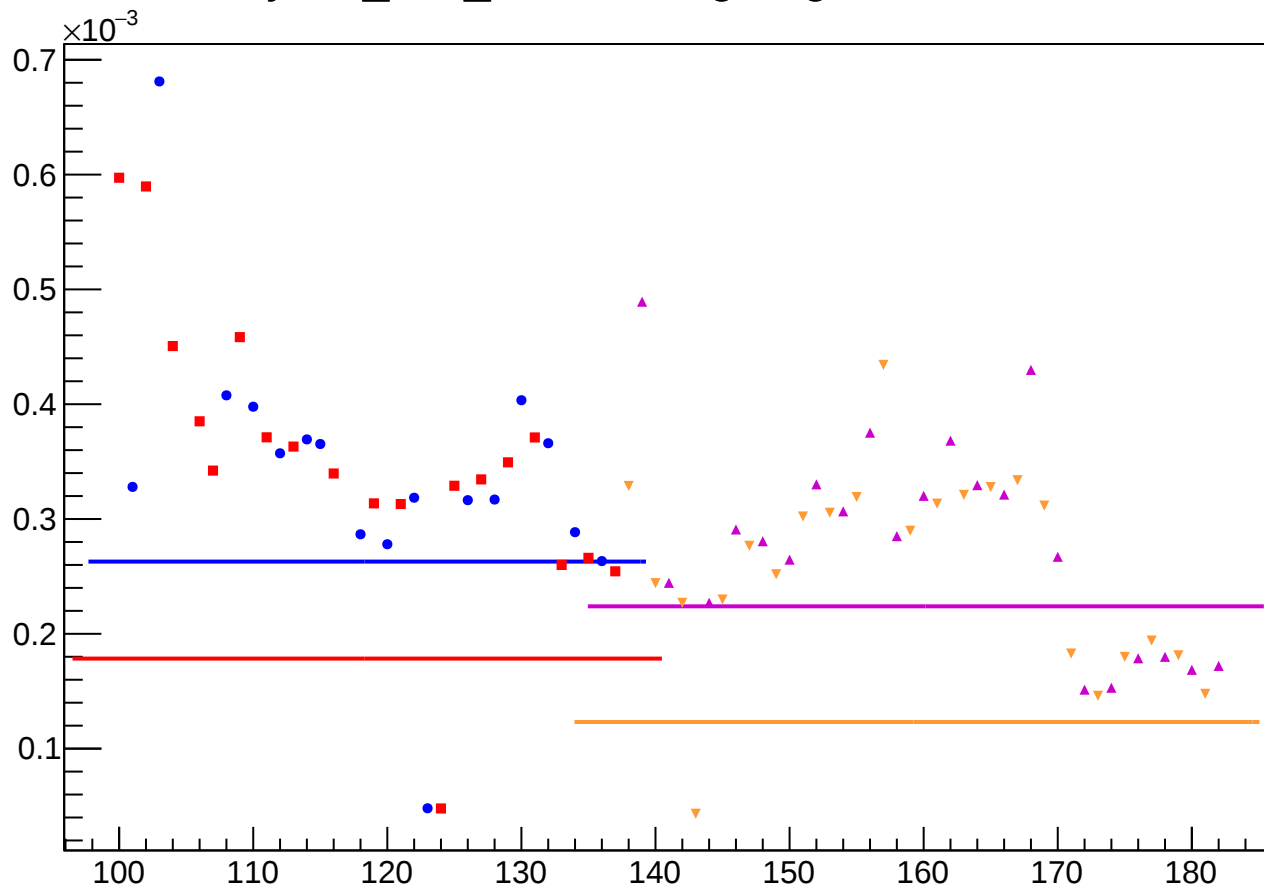
Left In: 0.020+/-0.000

χ^2/NDF : 4447016753.6/21

All: 0.016+/-0.000

χ^2/NDF : 134669631783.9

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2393587.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :12626273.1/22

Right Out: 0.000+/-0.000 χ^2/NDF : 5332040.2/18

Left In: 0.000+/-0.000 χ^2/NDF :3236661.5/21

Left: 0.000+/-0.000 χ^2/NDF : 19831974.1/44

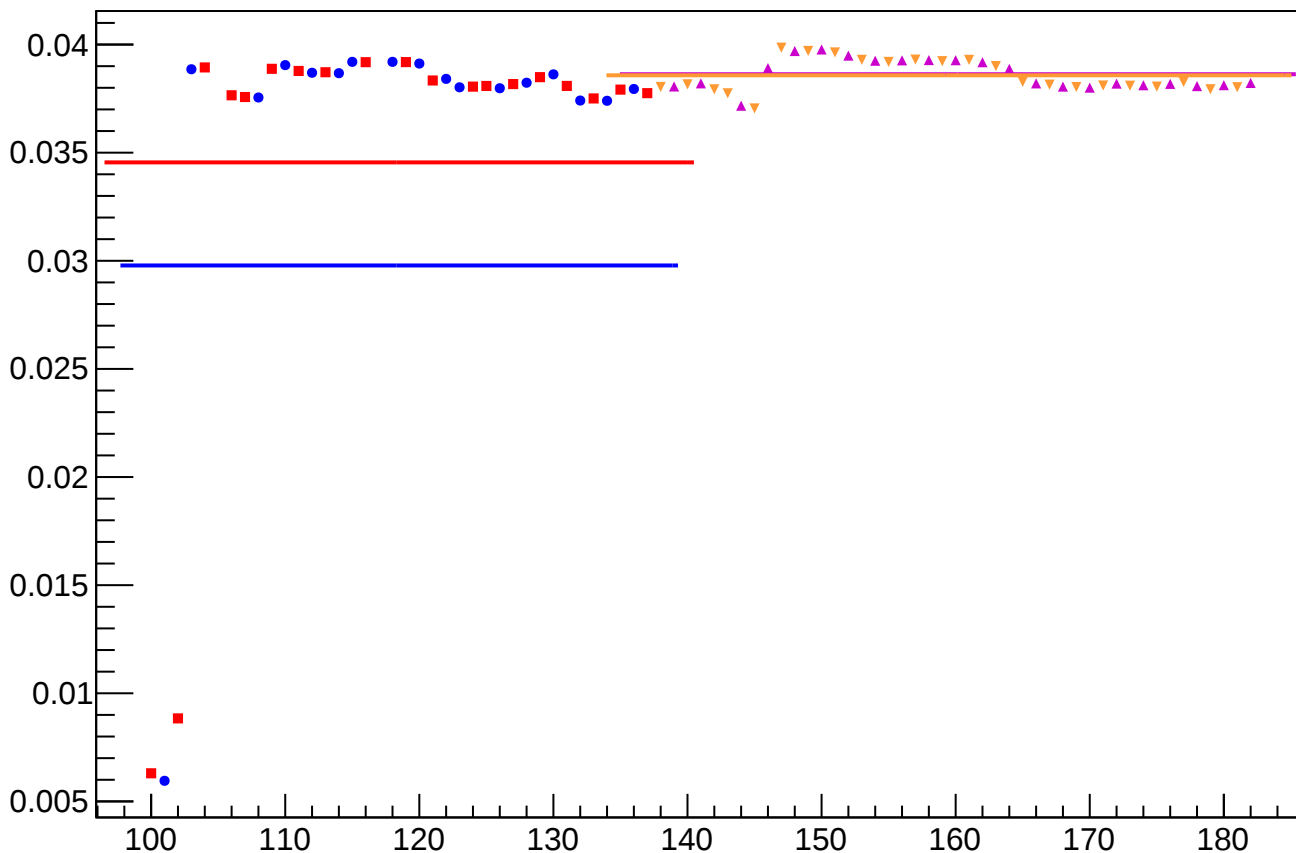
Right: 0.000+/-0.000 χ^2/NDF : 8355047.6/35

In: 0.000+/-0.000 χ^2/NDF :5802176.6/38

Out: 0.000+/-0.000 χ^2/NDF :18560542.8/41

All: 0.000+/-0.000 χ^2/NDF : 29154020.1/80

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000

χ^2/NDF : 96939094269.8/16

Left: 0.039+/-0.000

χ^2/NDF : 994722474.4/44

Left Out: 0.039+/-0.000

χ^2/NDF : 531475110.7/22

Right: 0.032+/-0.000

χ^2/NDF : 145599934598.0/35

Right Out: 0.035+/-0.000

χ^2/NDF : 43542773475.9/18

In: 0.036+/-0.000

χ^2/NDF : 122460861491.9/38

Out: 0.037+/-0.000

χ^2/NDF : 48987459159.6/41

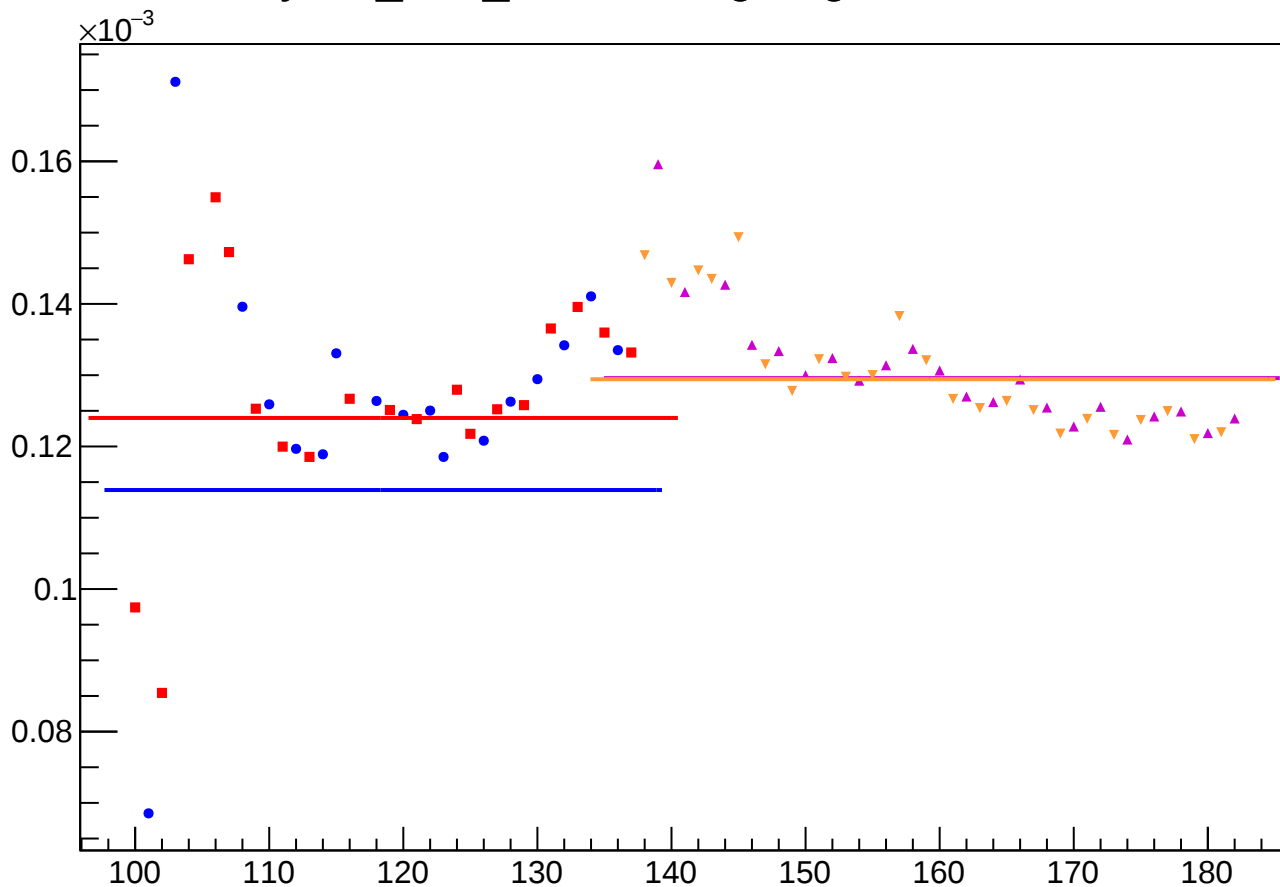
Left In: 0.039+/-0.000

χ^2/NDF : 462066867.7/21

All: 0.037+/-0.000

χ^2/NDF : 173279497665.3

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 792994.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :127826.8/22

Right Out: 0.000+/-0.000 χ^2/NDF : 245068.5/18

Left In: 0.000+/-0.000 χ^2/NDF :114350.7/21

Left: 0.000+/-0.000 χ^2/NDF : 242201.9/44

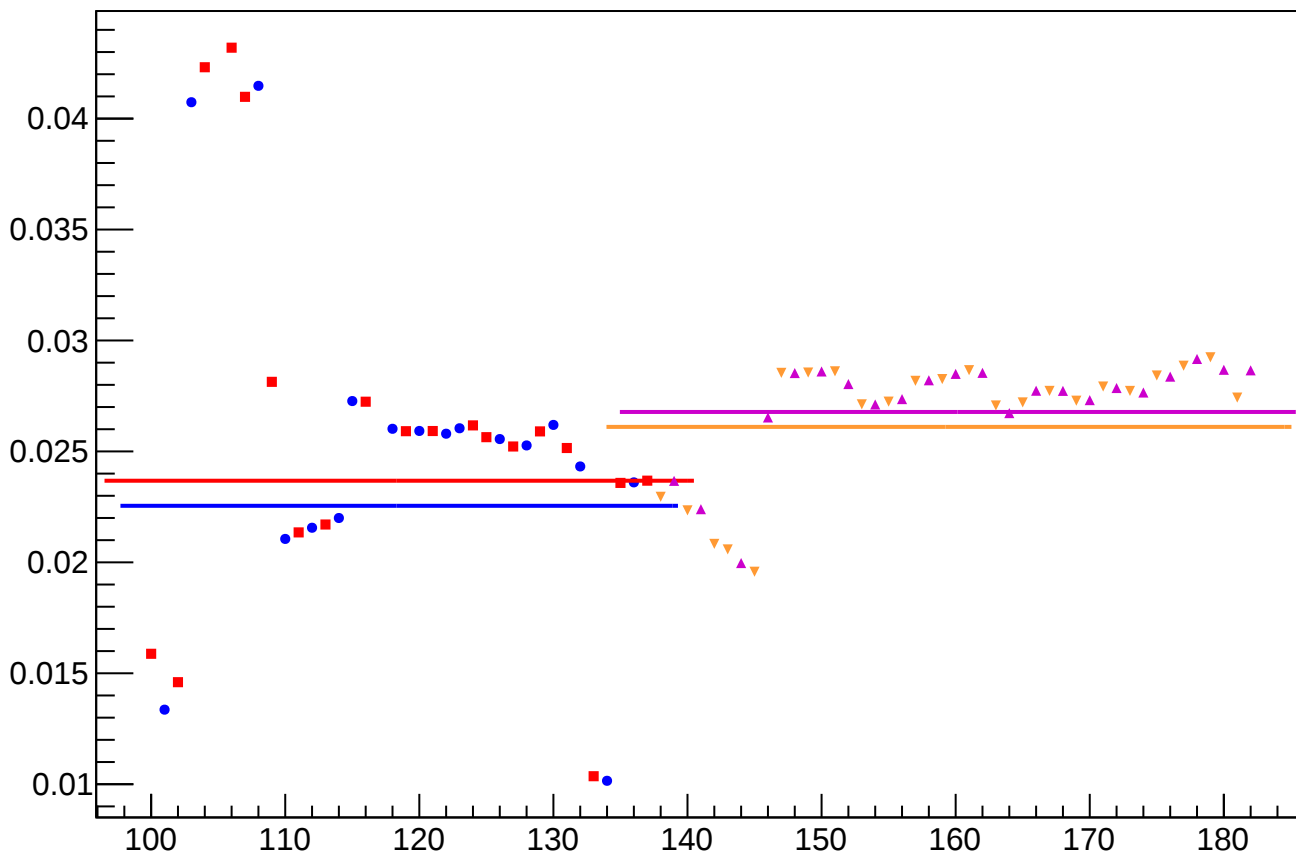
Right: 0.000+/-0.000 χ^2/NDF : 1084124.4/35

In: 0.000+/-0.000 χ^2/NDF :1065293.2/38

Out: 0.000+/-0.000 χ^2/NDF :390761.1/41

All: 0.000+/-0.000 χ^2/NDF : 1471514.5/80

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF : 4235847516.4/16

Left Out: 0.026+/-0.000 χ^2/NDF : 1932707438.6/22

Right Out: 0.024+/-0.000 χ^2/NDF : 5643986297.3/18

Left In: 0.027+/-0.000 χ^2/NDF : 1325340907.2/21

Left: 0.026+/-0.000 χ^2/NDF : 3300017998.6/44

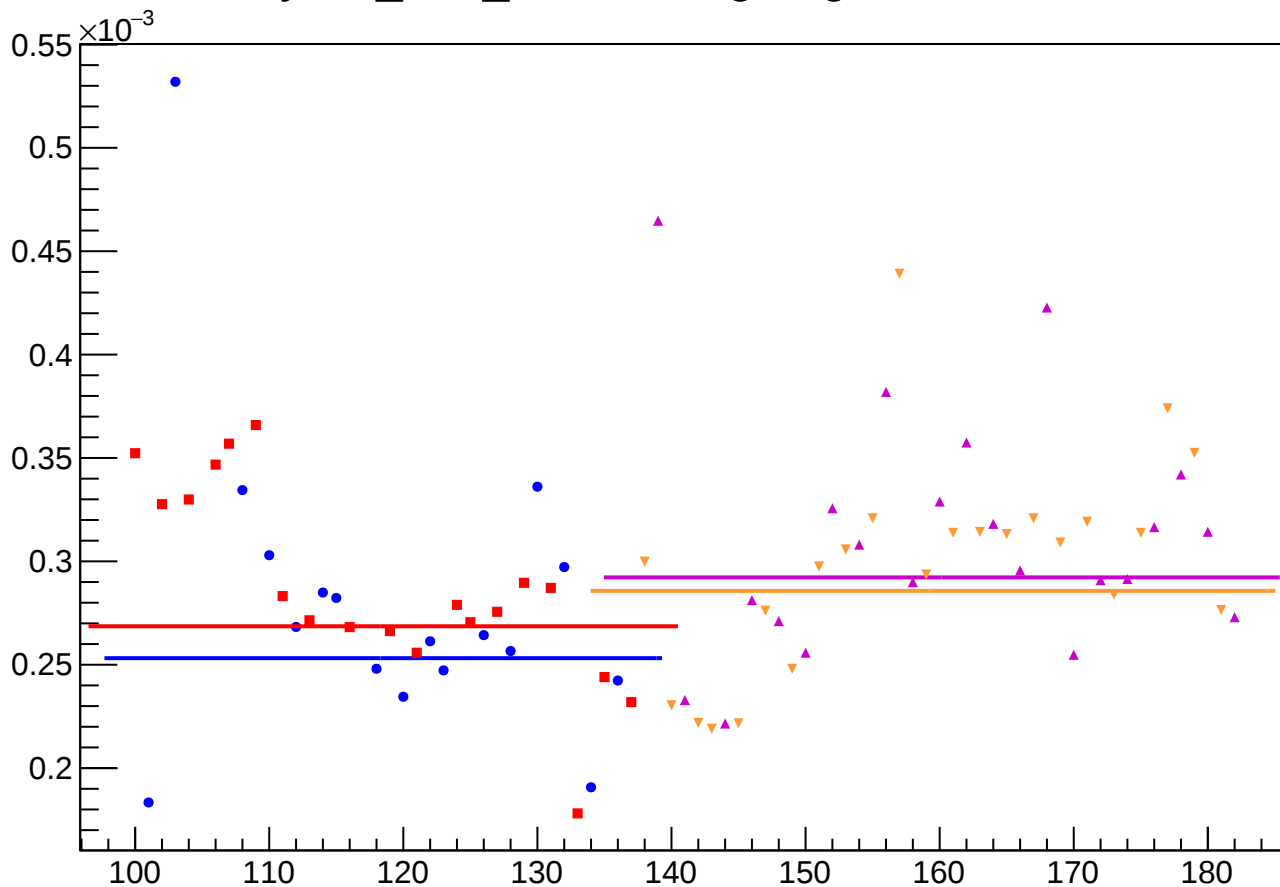
Right: 0.023+/-0.000 χ^2/NDF : 9935654674.4/35

In: 0.025+/-0.000 χ^2/NDF : 6637671860.0/38

Out: 0.025+/-0.000 χ^2/NDF : 7921851714.6/41

All: 0.025+/-0.000 χ^2/NDF : 14559610334.1/8

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 626352.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 784788.8/22

Right Out: 0.000+/-0.000 χ^2/NDF : 428150.4/18

Left In: 0.000+/-0.000 χ^2/NDF : 898595.9/21

Left: 0.000+/-0.000 χ^2/NDF : 1691271.5/44

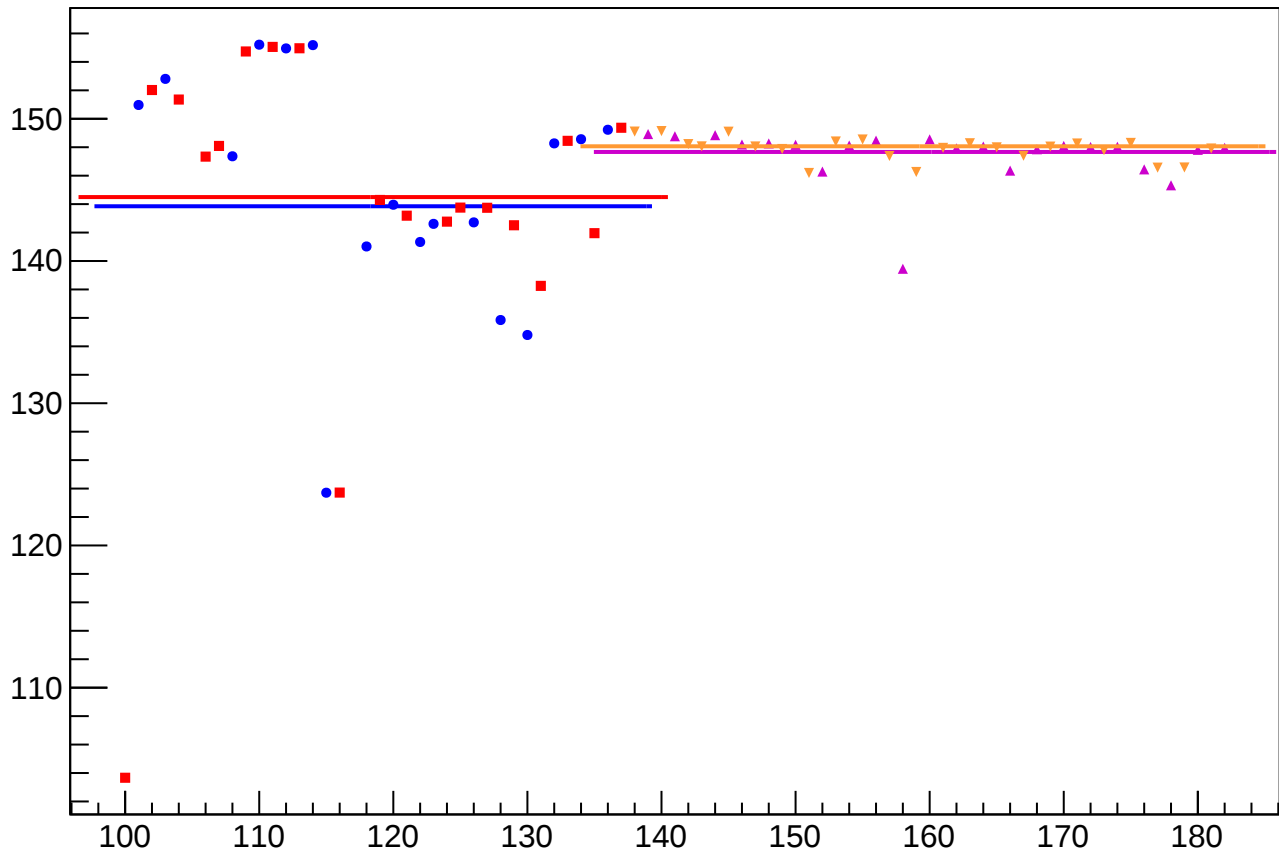
Right: 0.000+/-0.000 χ^2/NDF : 1075285.0/35

In: 0.000+/-0.000 χ^2/NDF : 1708626.1/38

Out: 0.000+/-0.000 χ^2/NDF : 1247318.0/41

All: 0.000+/-0.000 χ^2/NDF : 2956274.1/80

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.849 $\pm$ 0.000 χ^2 /NDF: 3450807407.9/16

Left Out: 148.066 $\pm$ 0.000 χ^2 /NDF: 65512638.6/22

Right Out: 144.495 $\pm$ 0.000 χ^2 /NDF: 4183399255.1/18

Left In: 147.667 $\pm$ 0.000 χ^2 /NDF: 345128189.5/21

Left: 147.871 $\pm$ 0.000 χ^2 /NDF: 417601814.6/44

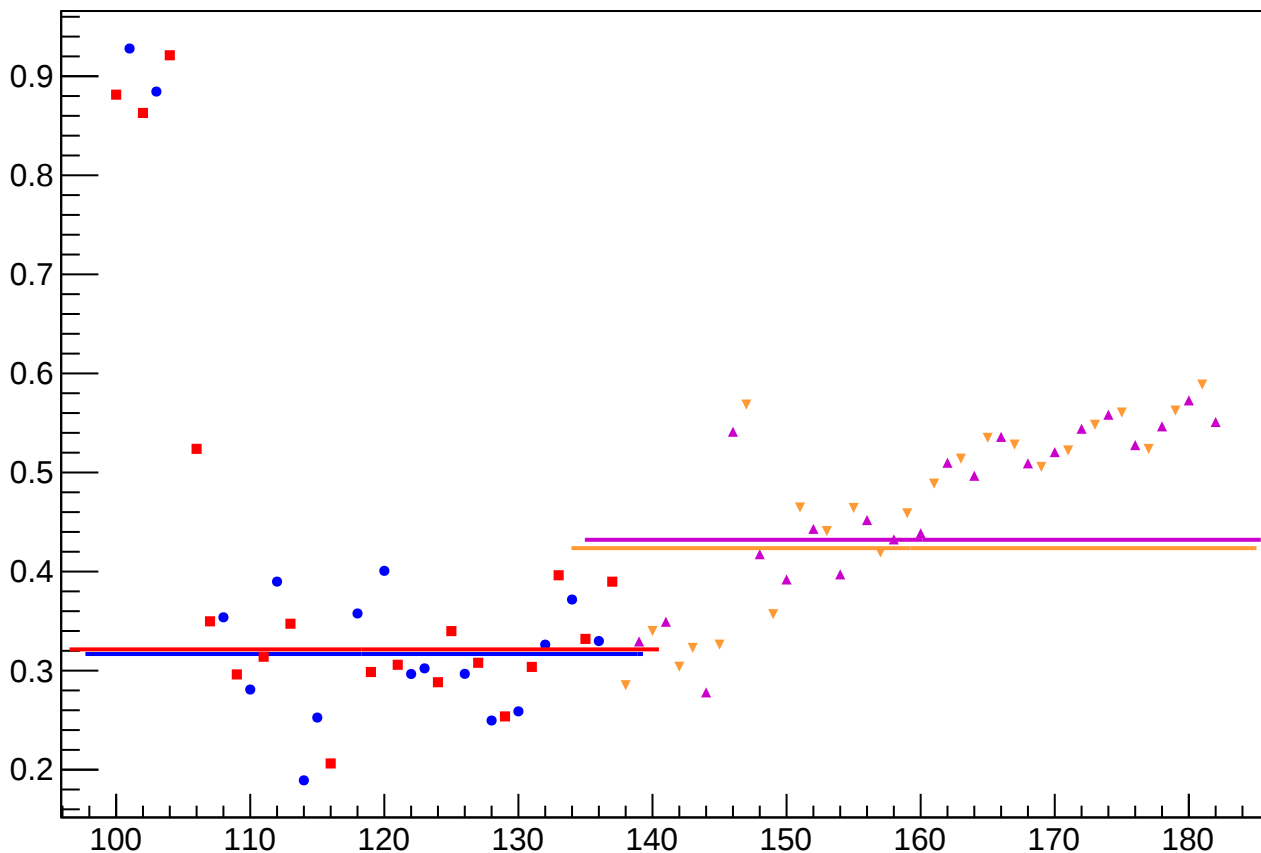
Right: 144.176 $\pm$ 0.000 χ^2 /NDF: 7645857332.7/35

In: 146.172 $\pm$ 0.000 χ^2 /NDF: 4285256963.4/38

Out: 146.684 $\pm$ 0.000 χ^2 /NDF: 4690594511.5/41

All: 146.433 $\pm$ 0.000 χ^2 /NDF: 8994630152.4

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1260273.9/16

Left Out: 0.424+/-0.000 χ^2/NDF :1725369.4/22

Right Out: 0.321+/-0.000 χ^2/NDF : 1216529.2/18

Left In: 0.432+/-0.000 χ^2/NDF :1445703.7/21

Left: 0.428+/-0.000 χ^2/NDF : 3177321.4/44

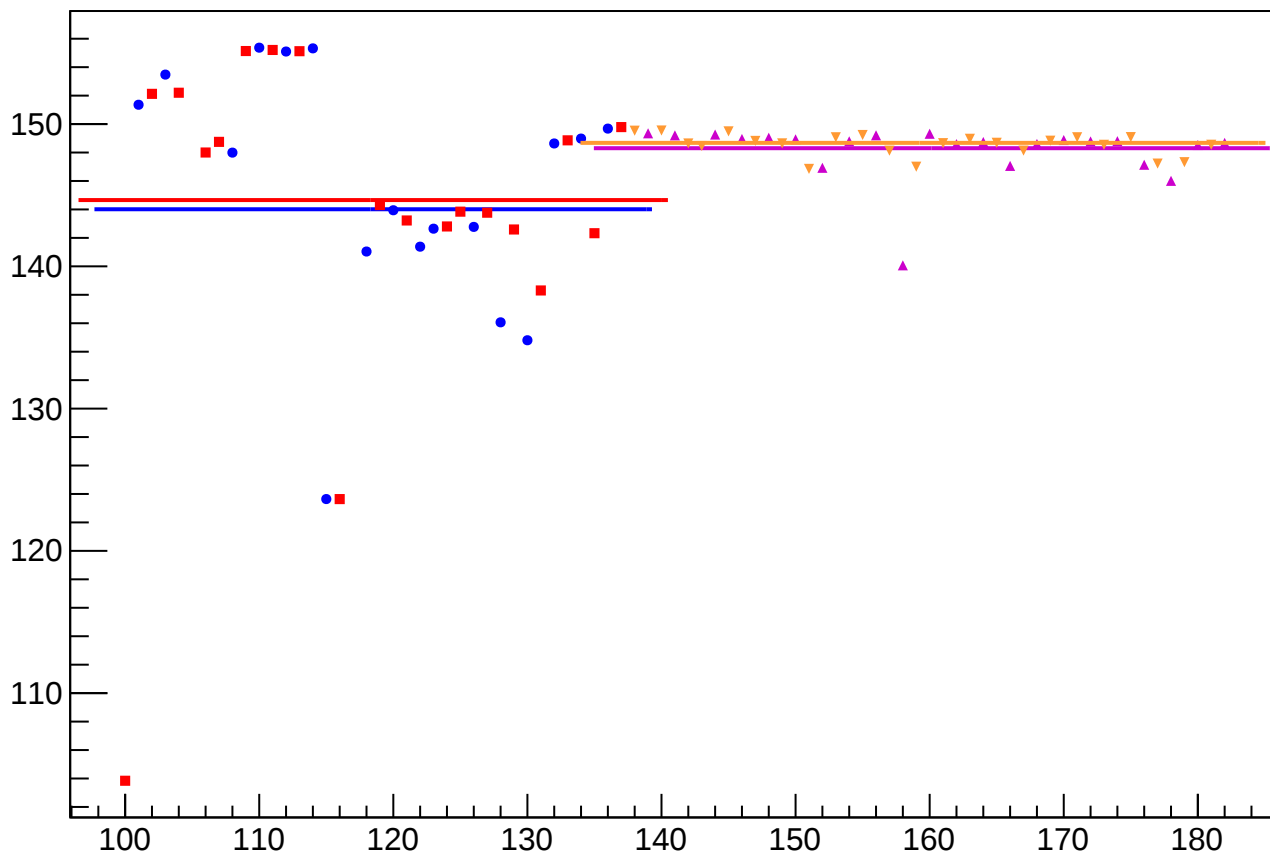
Right: 0.319+/-0.000 χ^2/NDF : 2478025.5/35

In: 0.387+/-0.000 χ^2/NDF :3598605.4/38

Out: 0.384+/-0.000 χ^2/NDF :3665292.6/41

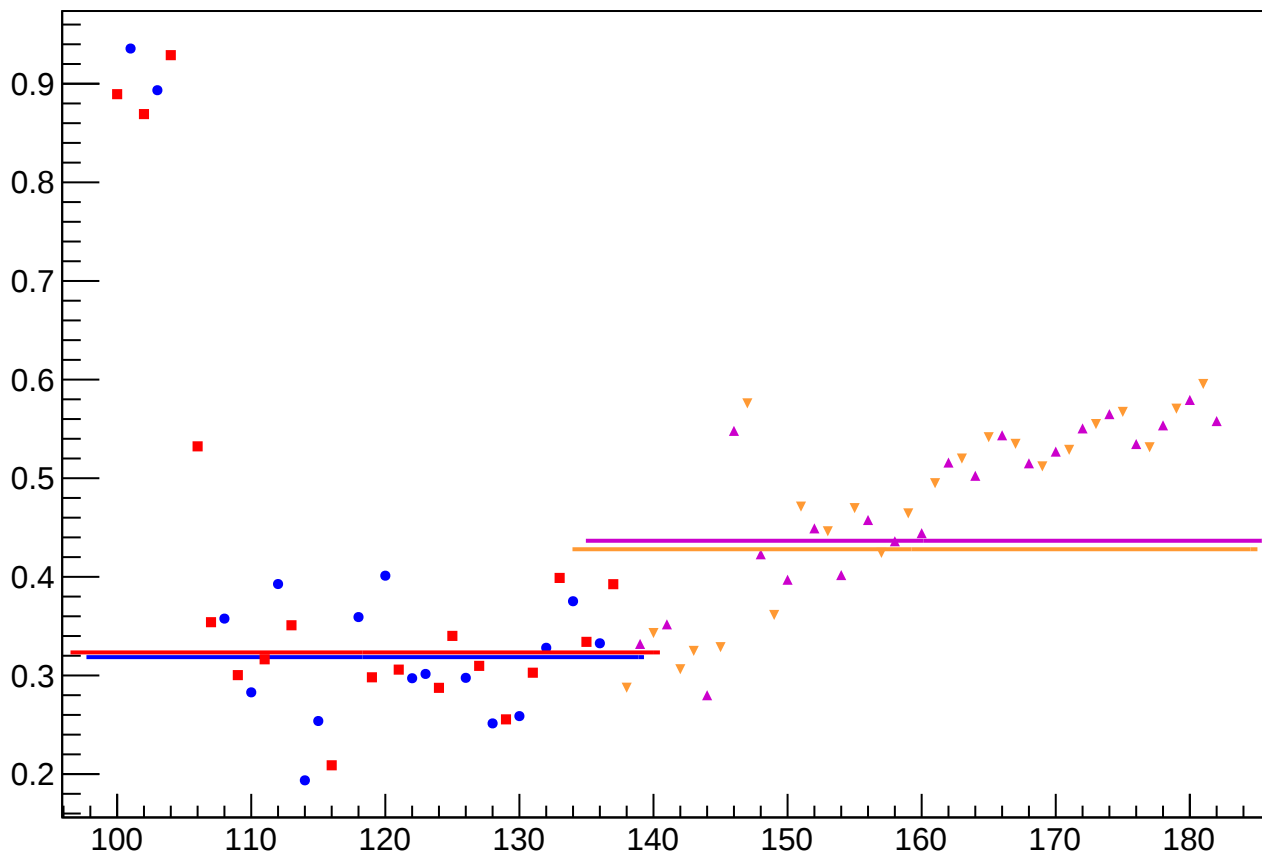
All: 0.385+/-0.000 χ^2/NDF : 7265057.6/80

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.013 $\pm$ 0.000	χ^2 /NDF: 3495287828.5/16	Left: 148.496 $\pm$ 0.000	χ^2 /NDF: 391959792.7/44
Left Out: 148.679 $\pm$ 0.000	χ^2 /NDF: 52446585.5/22	Right: 144.339 $\pm$ 0.000	χ^2 /NDF: 7714659018.1/35
Right Out: 144.658 $\pm$ 0.000	χ^2 /NDF: 4207861518.0/18	In: 146.613 $\pm$ 0.000	χ^2 /NDF: 4437372552.5/38
Left In: 148.304 $\pm$ 0.000	χ^2 /NDF: 333469062.6/21	Out: 147.114 $\pm$ 0.000	χ^2 /NDF: 4811604375.6/41
		All: 146.868 $\pm$ 0.000	χ^2 /NDF: 9266671685.2

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.319+/-0.000 χ^2/NDF : 1262045.4/16

Left Out: 0.428+/-0.000 χ^2/NDF :1755497.7/22

Right Out: 0.323+/-0.000 χ^2/NDF : 1218896.8/18

Left In: 0.437+/-0.000 χ^2/NDF :1470851.6/21

Left: 0.432+/-0.000 χ^2/NDF : 3232708.0/44

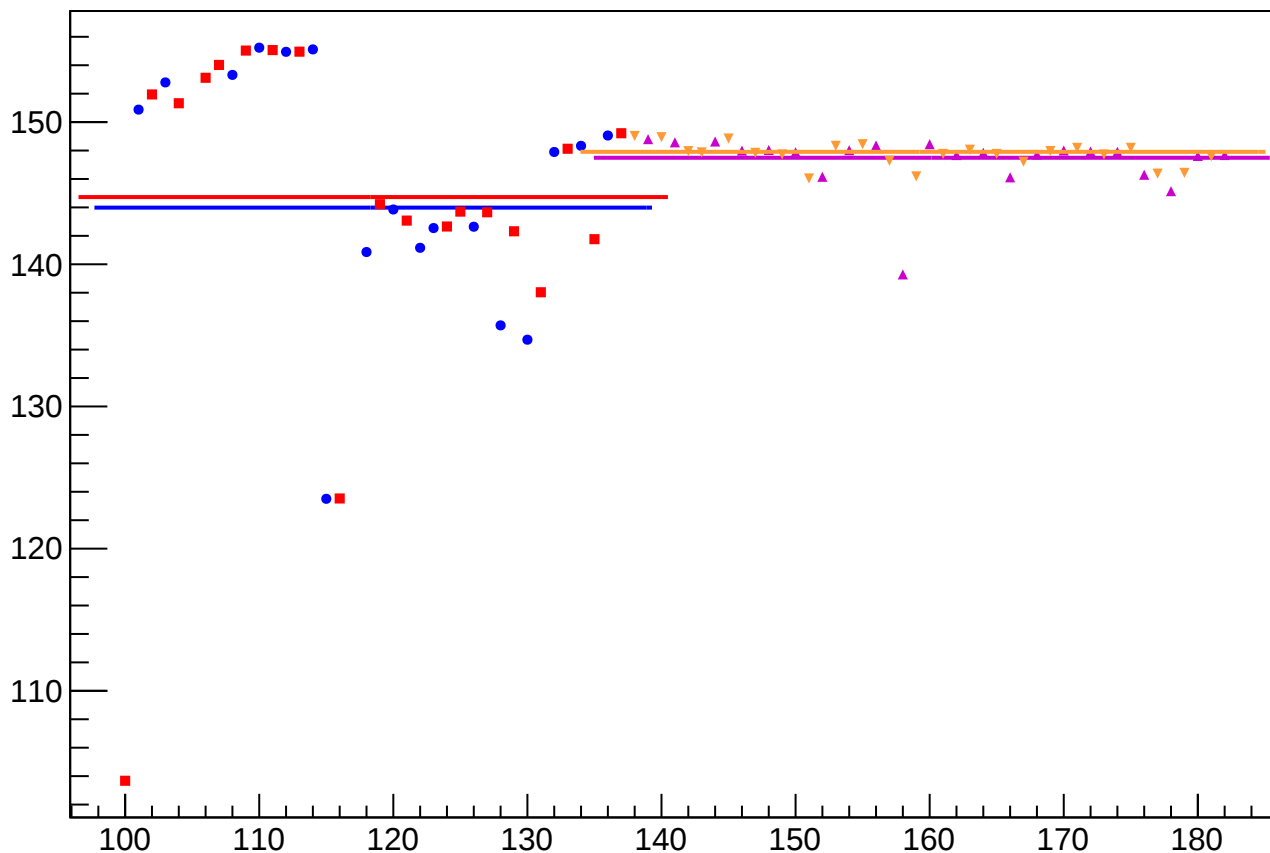
Right: 0.321+/-0.000 χ^2/NDF : 2482206.1/35

In: 0.390+/-0.000 χ^2/NDF :3653356.0/38

Out: 0.387+/-0.000 χ^2/NDF :3720628.1/41

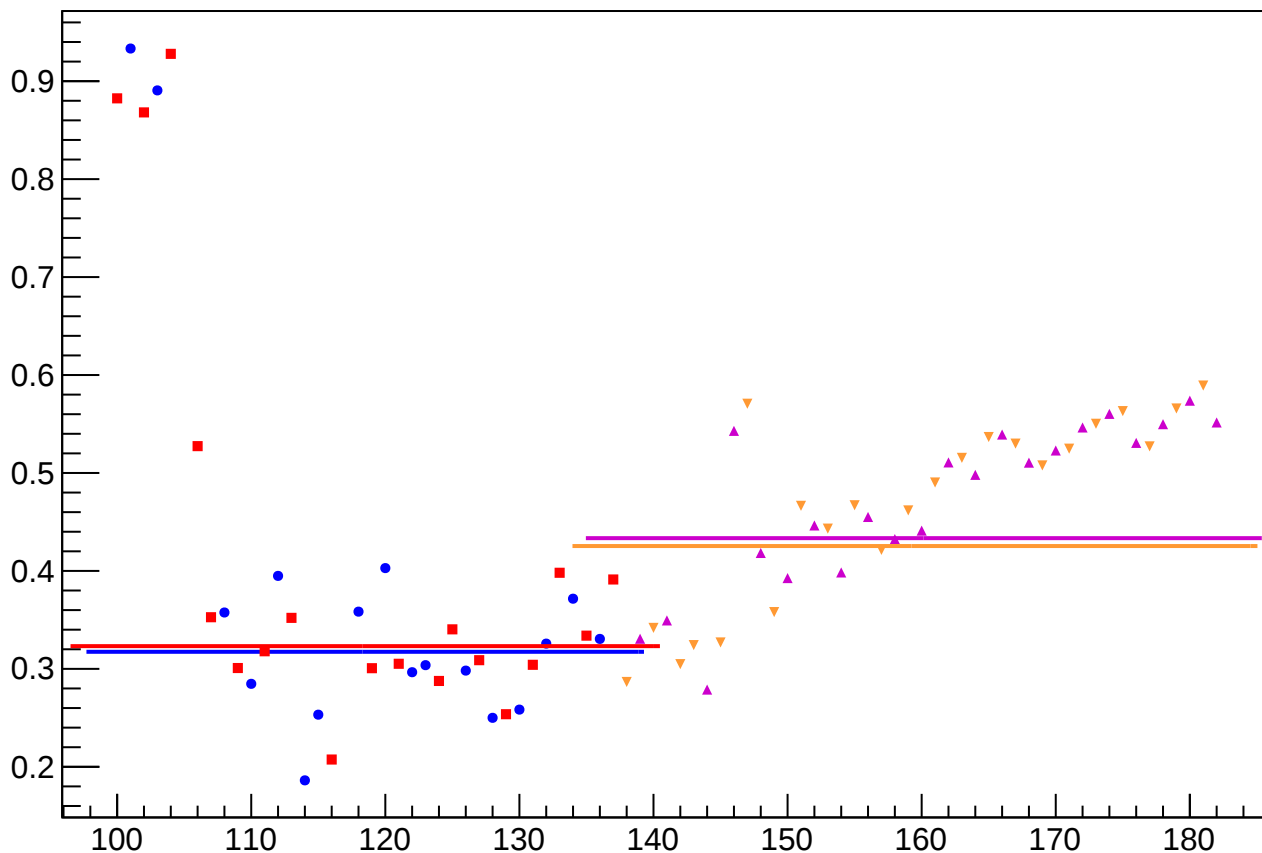
All: 0.389+/-0.000 χ^2/NDF : 7375117.8/80

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.986 $\pm$ 0.000	χ^2 /NDF: 3664472942.4/16	Left: 147.705 $\pm$ 0.000	χ^2 /NDF: 415747100.8/44
Left Out: 147.909 $\pm$ 0.000	χ^2 /NDF: 64213858.4/22	Right: 144.360 $\pm$ 0.000	χ^2 /NDF: 8152746966.8/35
Right Out: 144.728 $\pm$ 0.000	χ^2 /NDF: 4473024875.8/18	In: 146.118 $\pm$ 0.000	χ^2 /NDF: 4418432755.1/38
Left In: 147.492 $\pm$ 0.000	χ^2 /NDF: 343950261.9/21	Out: 146.680 $\pm$ 0.000	χ^2 /NDF: 4884347082.5/41
		All: 146.404 $\pm$ 0.000	χ^2 /NDF: 9325213135.8

yield_bcm_an_us_rms vs Slug, Sign Corrected



Left: 0.429 ± 0.000 $\chi^2/\text{NDF}: 3184843.7/44$

Right: 0.320 ± 0.000 $\chi^2/\text{NDF}: 2497937.8/35$

In: 0.388 ± 0.000 $\chi^2/\text{NDF}: 3625126.3/38$

Out: 0.386 ± 0.000 $\chi^2/\text{NDF}: 3664412.1/41$

All: 0.387 ± 0.000 $\chi^2/\text{NDF}: 7290168.7/80$

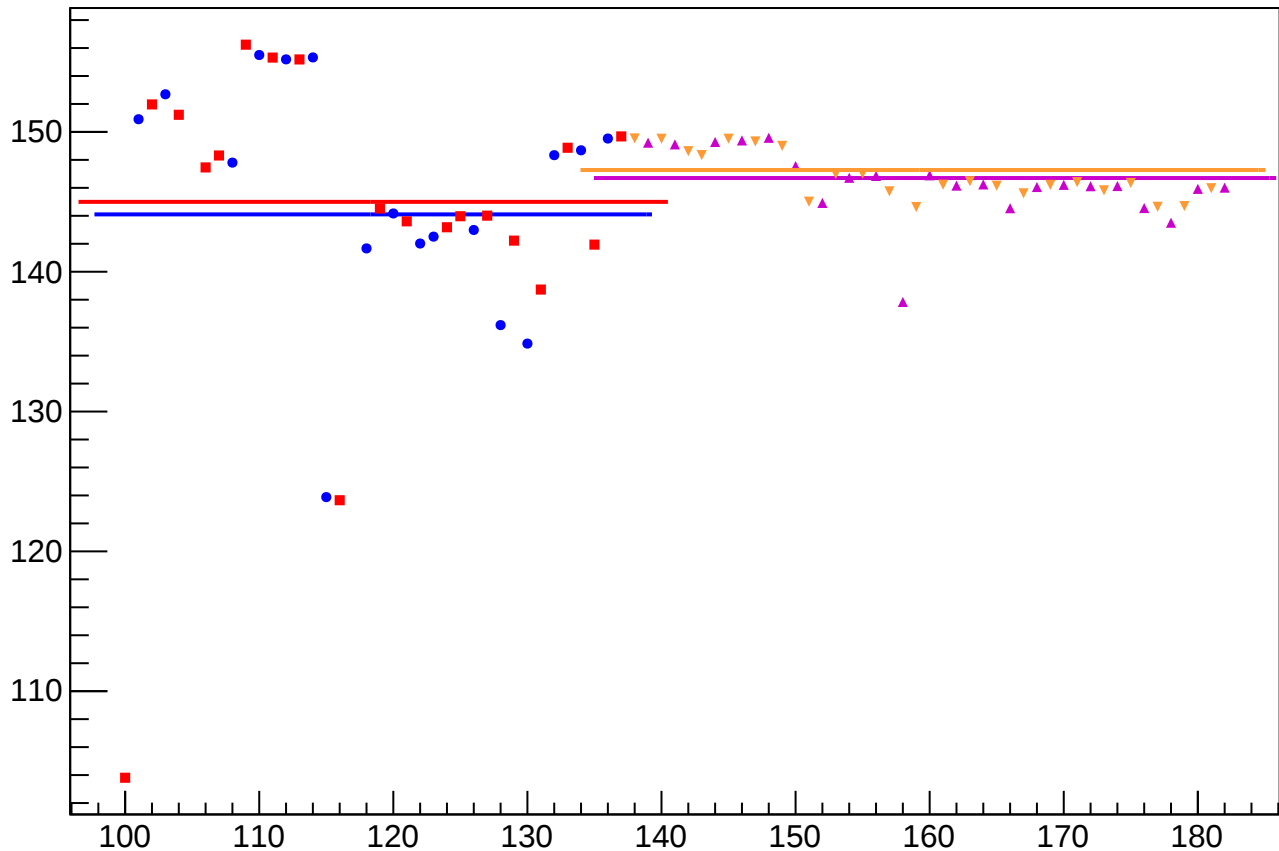
Right In: 0.317 ± 0.000 $\chi^2/\text{NDF}: 1274892.4/16$

Left Out: 0.425 ± 0.000 $\chi^2/\text{NDF}: 1726905.9/22$

Right Out: 0.323 ± 0.000 $\chi^2/\text{NDF}: 1221204.9/18$

Left In: 0.433 ± 0.000 $\chi^2/\text{NDF}: 1452297.5/21$

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.101 ± 0.000 $\chi^2/\text{NDF}: 3163250979.7/16$

Left Out: 147.275 ± 0.000 $\chi^2/\text{NDF}: 255896205.9/22$

Right Out: 144.998 ± 0.000 $\chi^2/\text{NDF}: 3853420991.4/18$

Left In: 146.702 ± 0.000 $\chi^2/\text{NDF}: 557501329.0/21$

Left: 146.994 ± 0.000 $\chi^2/\text{NDF}: 826901878.9/44$

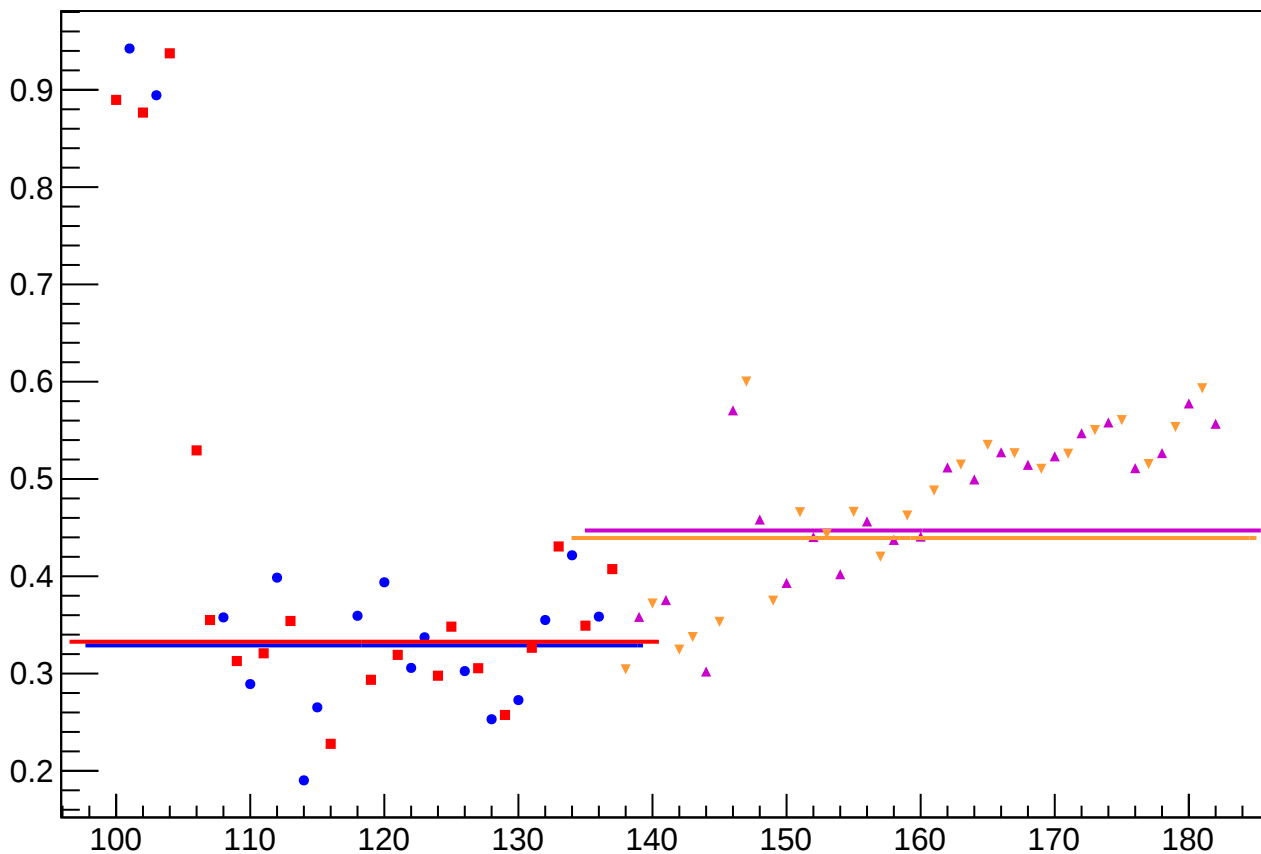
Right: 144.557 ± 0.000 $\chi^2/\text{NDF}: 7037484175.9/35$

In: 145.697 ± 0.000 $\chi^2/\text{NDF}: 3932108835.5/38$

Out: 146.397 ± 0.000 $\chi^2/\text{NDF}: 4277066088.5/41$

All: 146.053 ± 0.000 $\chi^2/\text{NDF}: 8242052058.2$

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.329+/-0.000 χ^2/NDF : 1259207.9/16

Left Out: 0.439+/-0.000 χ^2/NDF :1338998.2/22

Right Out: 0.333+/-0.000 χ^2/NDF : 1181630.3/18

Left In: 0.447+/-0.000 χ^2/NDF :1087936.4/21

Left: 0.443+/-0.000 χ^2/NDF : 2431842.4/44

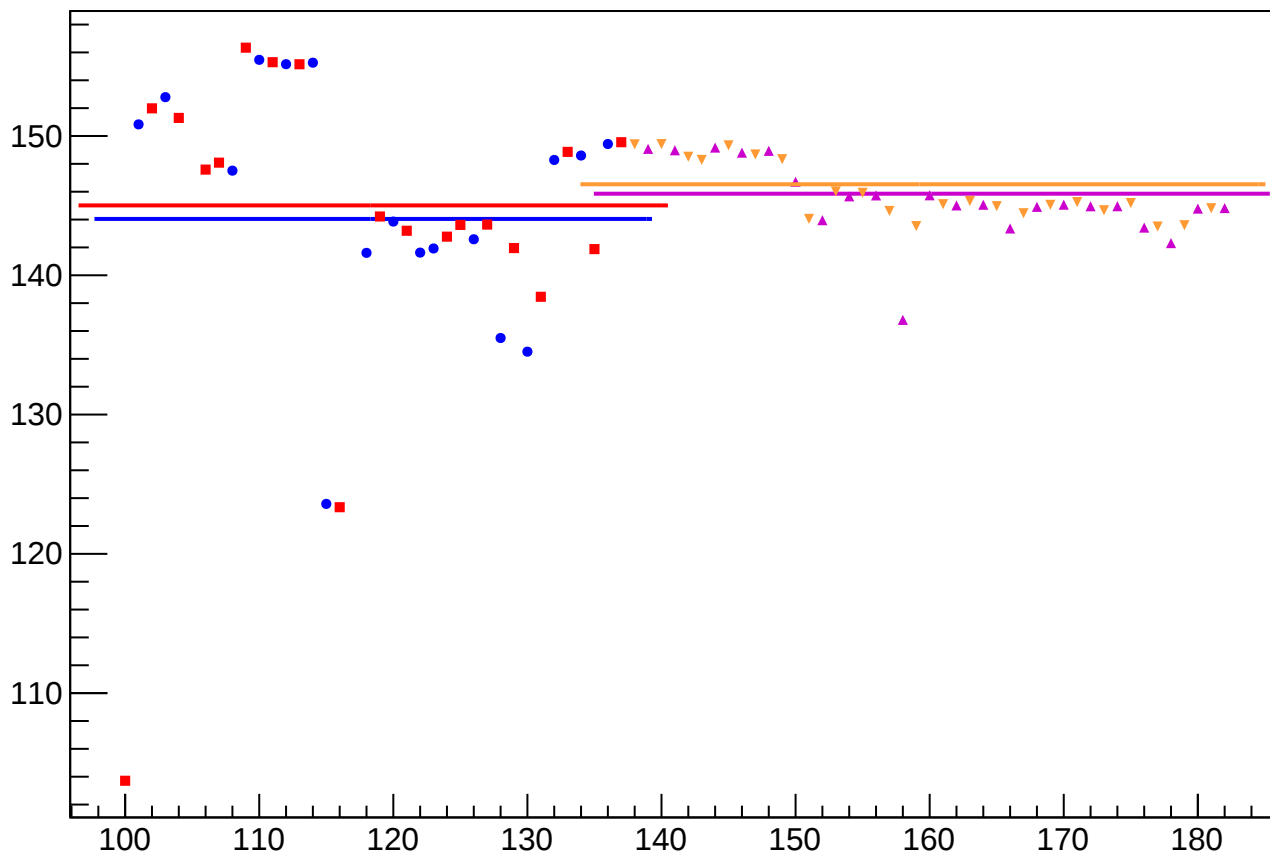
Right: 0.331+/-0.000 χ^2/NDF : 2441586.5/35

In: 0.401+/-0.000 χ^2/NDF :3219393.0/38

Out: 0.398+/-0.000 χ^2/NDF :3256393.0/41

All: 0.400+/-0.000 χ^2/NDF : 6477125.2/80

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 144.046 $\pm$ 0.000 χ^2 /NDF: 3282867390.8/16

Left Out: 146.535 $\pm$ 0.000 χ^2 /NDF: 390057252.9/22

Right Out: 145.016 $\pm$ 0.000 χ^2 /NDF: 3929576449.5/18

Left In: 145.857 $\pm$ 0.000 χ^2 /NDF: 693870650.5/21

Left: 146.203 $\pm$ 0.000 χ^2 /NDF: 1102778655.3/44

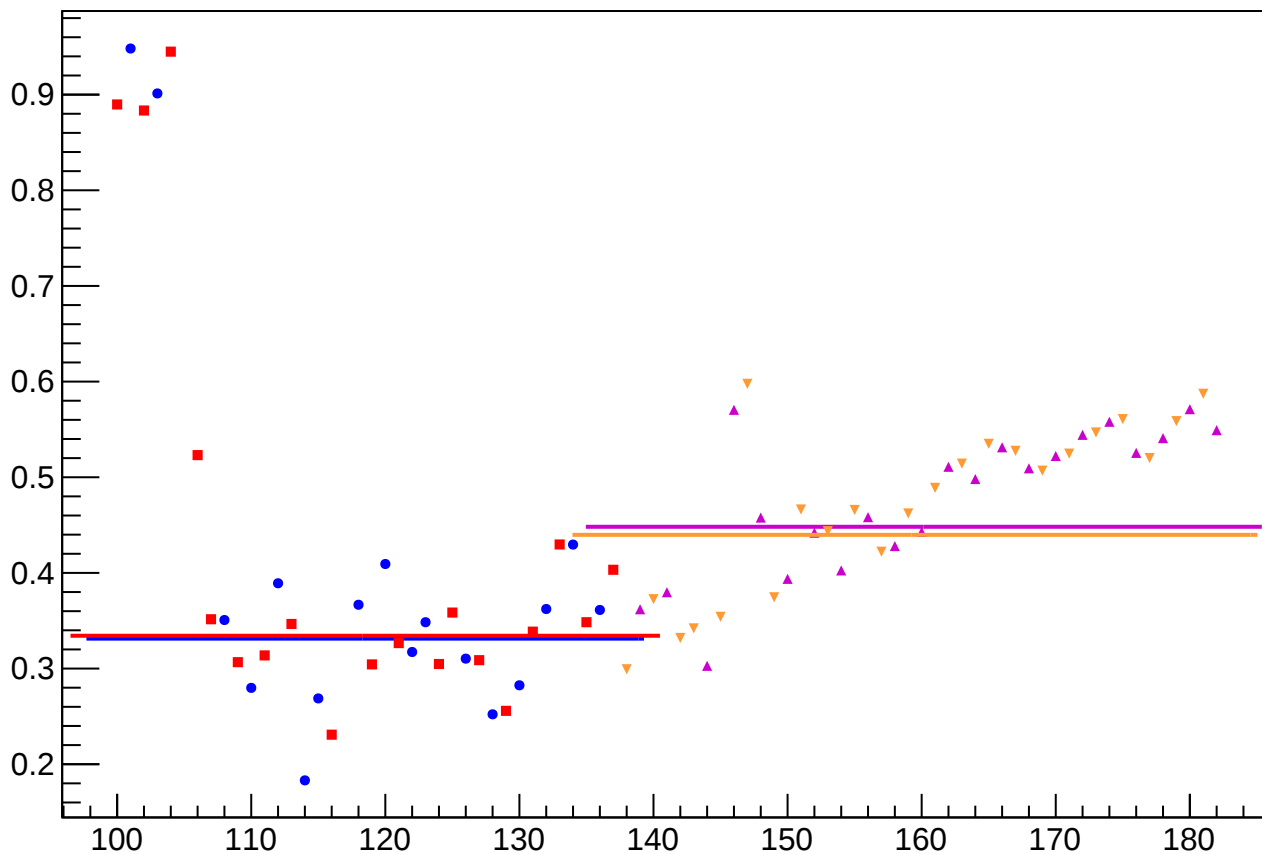
Right: 144.541 $\pm$ 0.000 χ^2 /NDF: 7236479973.6/35

In: 145.162 $\pm$ 0.000 χ^2 /NDF: 4077895916.3/38

Out: 145.953 $\pm$ 0.000 χ^2 /NDF: 4393655760.2/41

All: 145.565 $\pm$ 0.000 χ^2 /NDF: 8513091090.5

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.331+/-0.000 χ^2/NDF : 1275232.9/16

Left Out: 0.440+/-0.000 χ^2/NDF :1328986.8/22

Right Out: 0.334+/-0.000 χ^2/NDF : 1170223.7/18

Left In: 0.448+/-0.000 χ^2/NDF :1063972.7/21

Left: 0.444+/-0.000 χ^2/NDF : 2398779.0/44

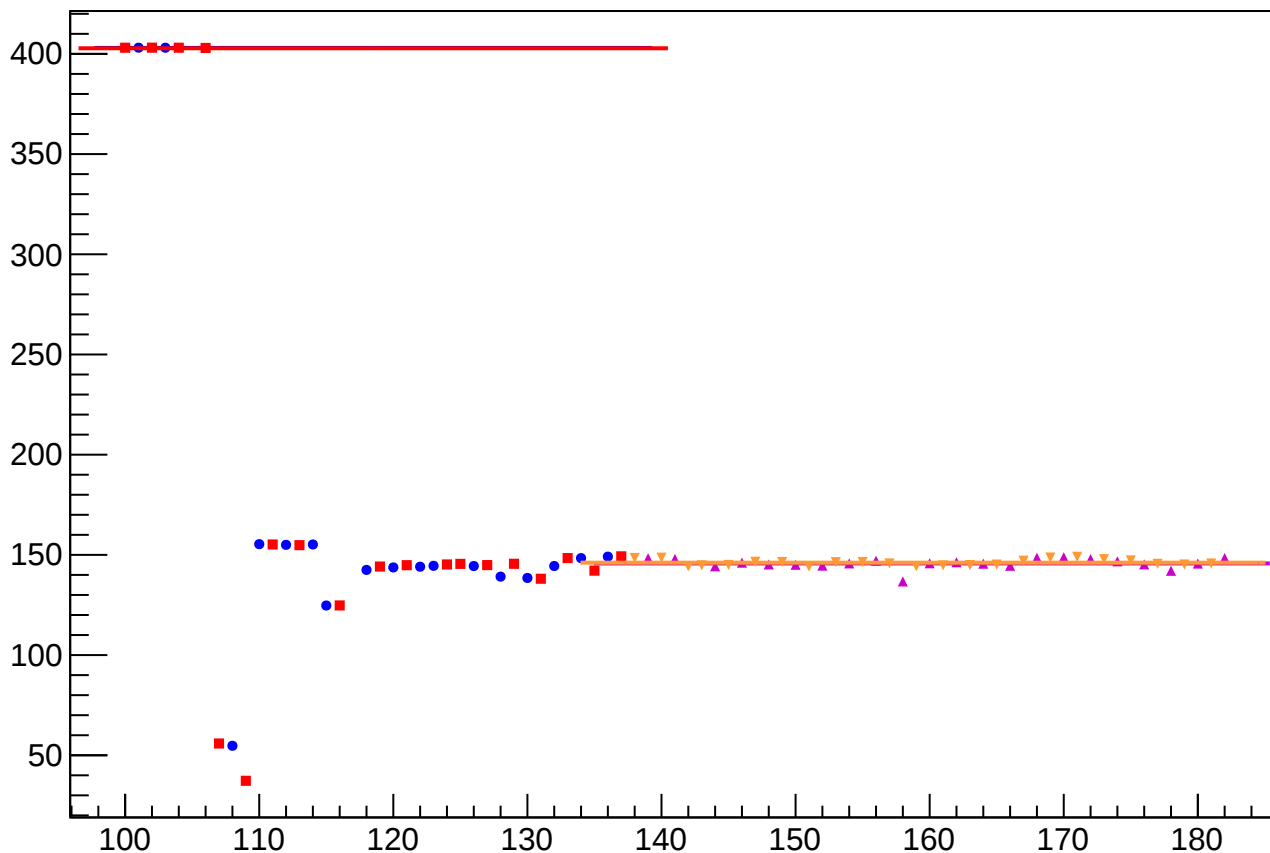
Right: 0.333+/-0.000 χ^2/NDF : 2445917.5/35

In: 0.403+/-0.000 χ^2/NDF :3182247.5/38

Out: 0.399+/-0.000 χ^2/NDF :3213765.9/41

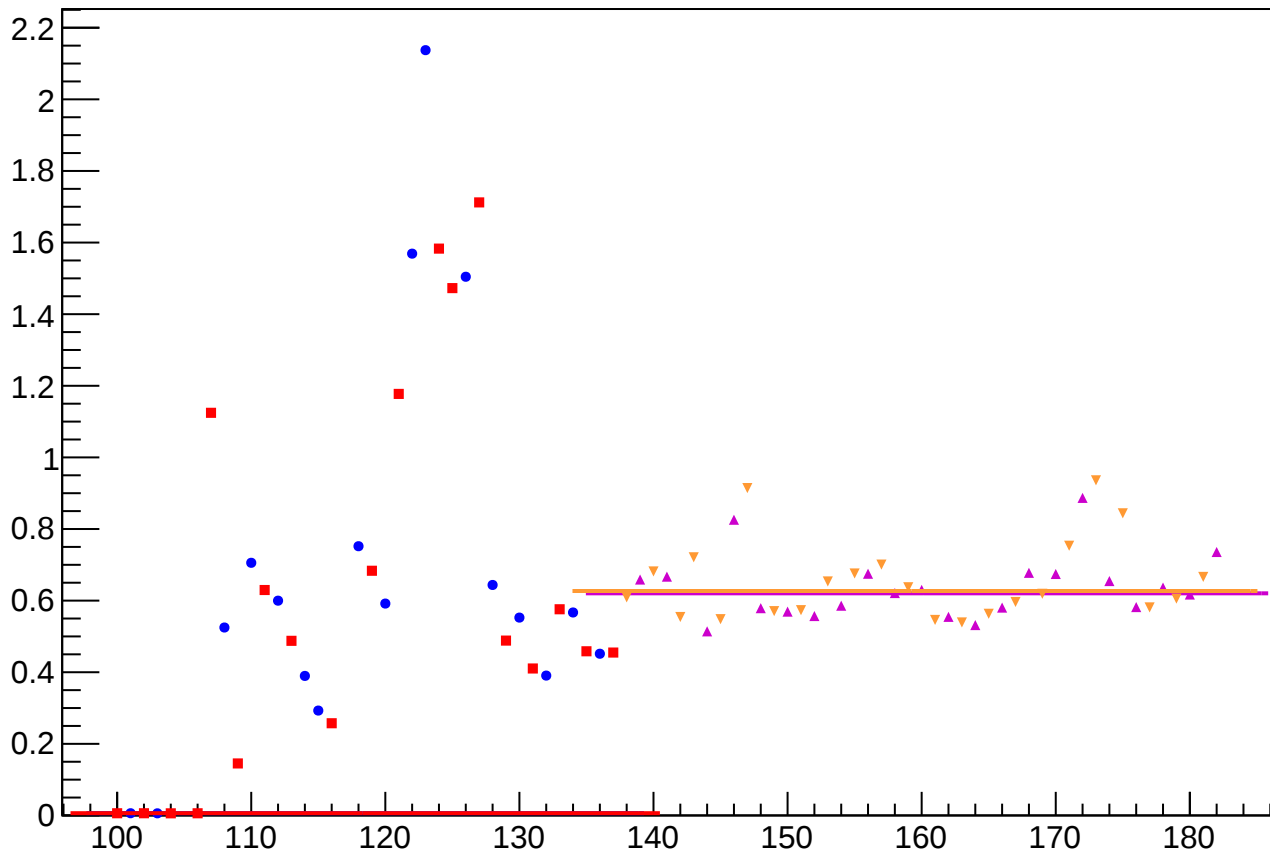
All: 0.401+/-0.000 χ^2/NDF : 6398184.9/80

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.957+/-0.000	χ^2/NDF : 1095567172365.3/16	Left: 145.920+/-0.000	χ^2/NDF : 283281934.5/44
Left Out: 146.113+/-0.000	χ^2/NDF : 77632227.9/22	Right: 402.873+/-0.000	χ^2/NDF : 4200370185743.3
Right Out: 402.799+/-0.000	χ^2/NDF : 3104385504690.3/18	In: 402.668+/-0.000	χ^2/NDF : 3411585703623.4/30
Left In: 145.730+/-0.000	χ^2/NDF : 203115780.8/21	Out: 402.549+/-0.000	χ^2/NDF : 5365618209728.7/4
		All: 402.605+/-0.000	χ^2/NDF : 877744107094.5

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9047828.5/16

Left Out: 0.627+/-0.000 χ^2/NDF :565444.3/22

Right Out: 0.006+/-0.000 χ^2/NDF : 9152692.1/18

Left In: 0.620+/-0.000 χ^2/NDF :392842.7/21

Left: 0.624+/-0.000 χ^2/NDF : 959747.4/44

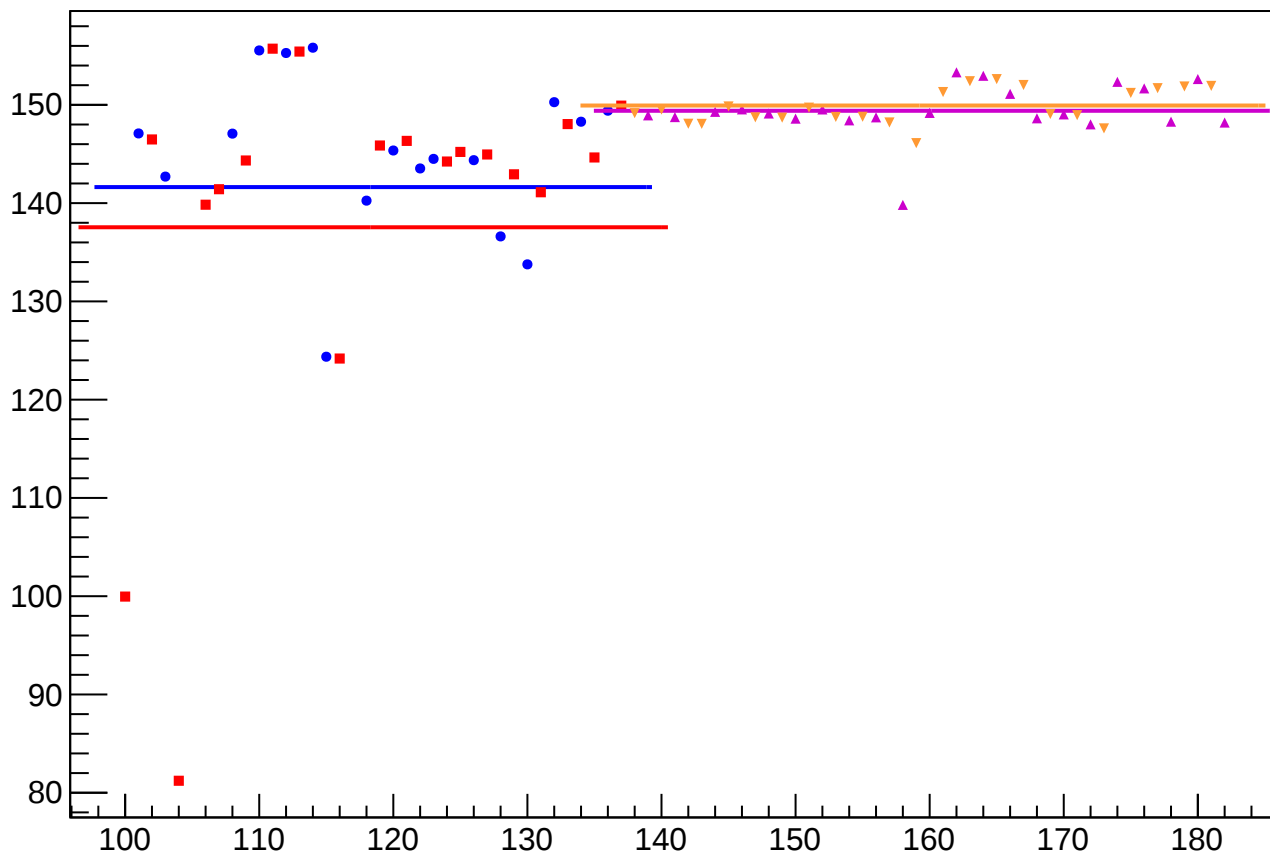
Right: 0.006+/-0.000 χ^2/NDF : 18200524.0/35

In: 0.007+/-0.000 χ^2/NDF :35833456.9/38

Out: 0.007+/-0.000 χ^2/NDF :36147391.2/41

All: 0.007+/-0.000 χ^2/NDF : 71981154.3/80

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.632 $\pm$ 0.000 χ^2 /NDF: 977430315.6/16

Left Out: 149.932 $\pm$ 0.000 χ^2 /NDF: 161475077.1/22

Right Out: 137.543 $\pm$ 0.000 χ^2 /NDF: 1320254355.4/18

Left In: 149.397 $\pm$ 0.000 χ^2 /NDF: 436727140.2/21

Left: 149.672 $\pm$ 0.000 χ^2 /NDF: 605175468.8/44

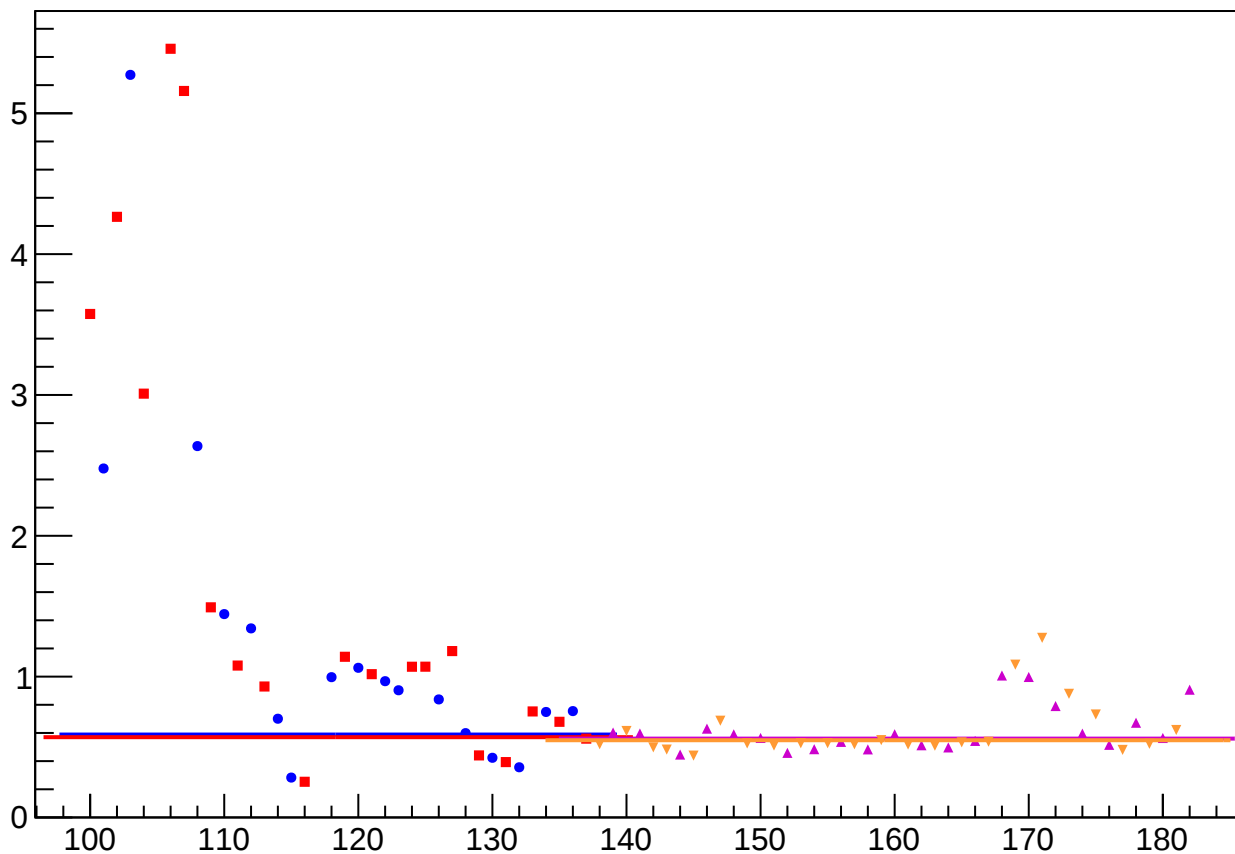
Right: 139.549 $\pm$ 0.000 χ^2 /NDF: 2383815504.1/35

In: 148.031 $\pm$ 0.000 χ^2 /NDF: 1916597748.4/38

Out: 147.782 $\pm$ 0.000 χ^2 /NDF: 2813712958.2/41

All: 147.903 $\pm$ 0.000 χ^2 /NDF: 4732140010.7

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.589+/-0.000 χ^2/NDF : 3472432.4/16

Left Out: 0.548+/-0.000 χ^2/NDF :1367261.3/22

Right Out: 0.570+/-0.000 χ^2/NDF : 4646586.2/18

Left In: 0.560+/-0.000 χ^2/NDF :1211771.2/21

Left: 0.554+/-0.000 χ^2/NDF : 2585473.7/44

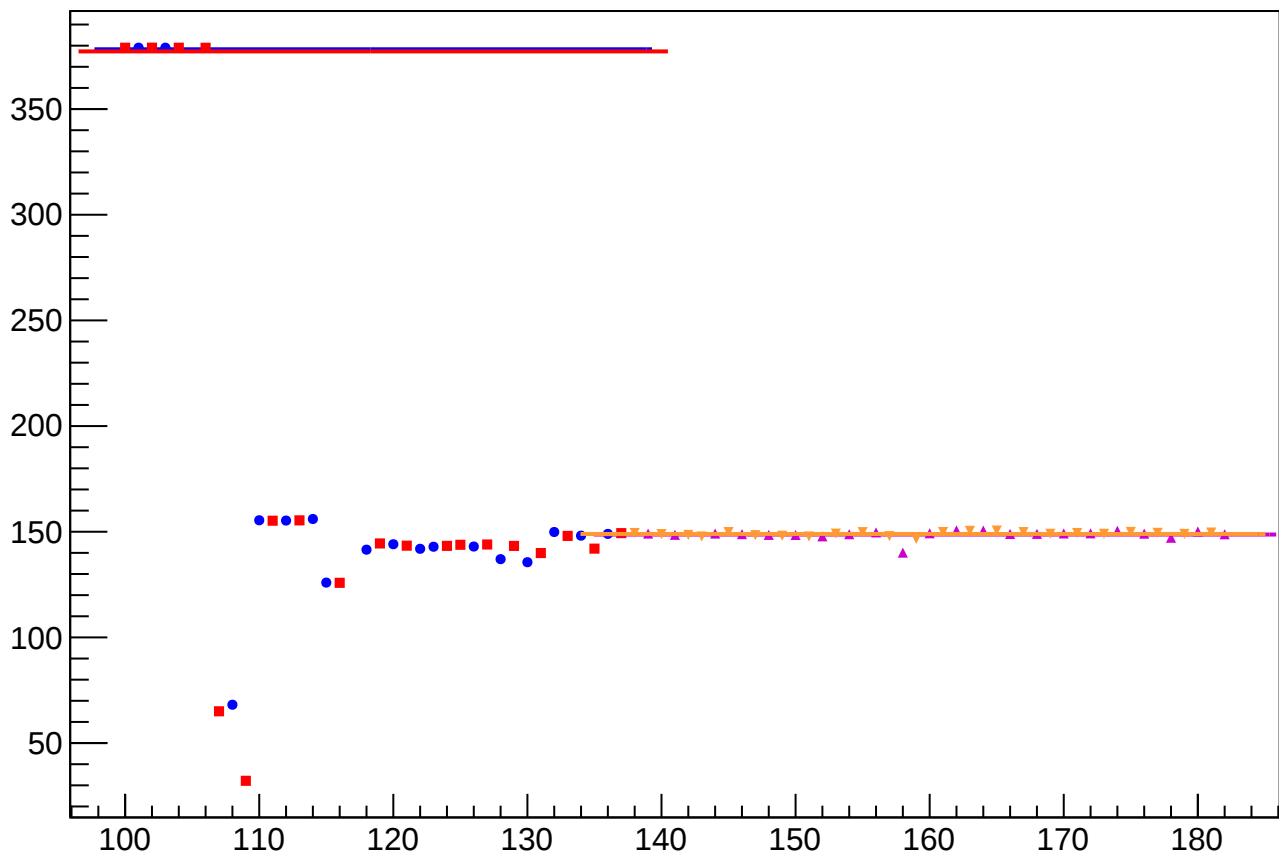
Right: 0.579+/-0.000 χ^2/NDF : 8122625.9/35

In: 0.565+/-0.000 χ^2/NDF :4698048.2/38

Out: 0.552+/-0.000 χ^2/NDF :6021956.3/41

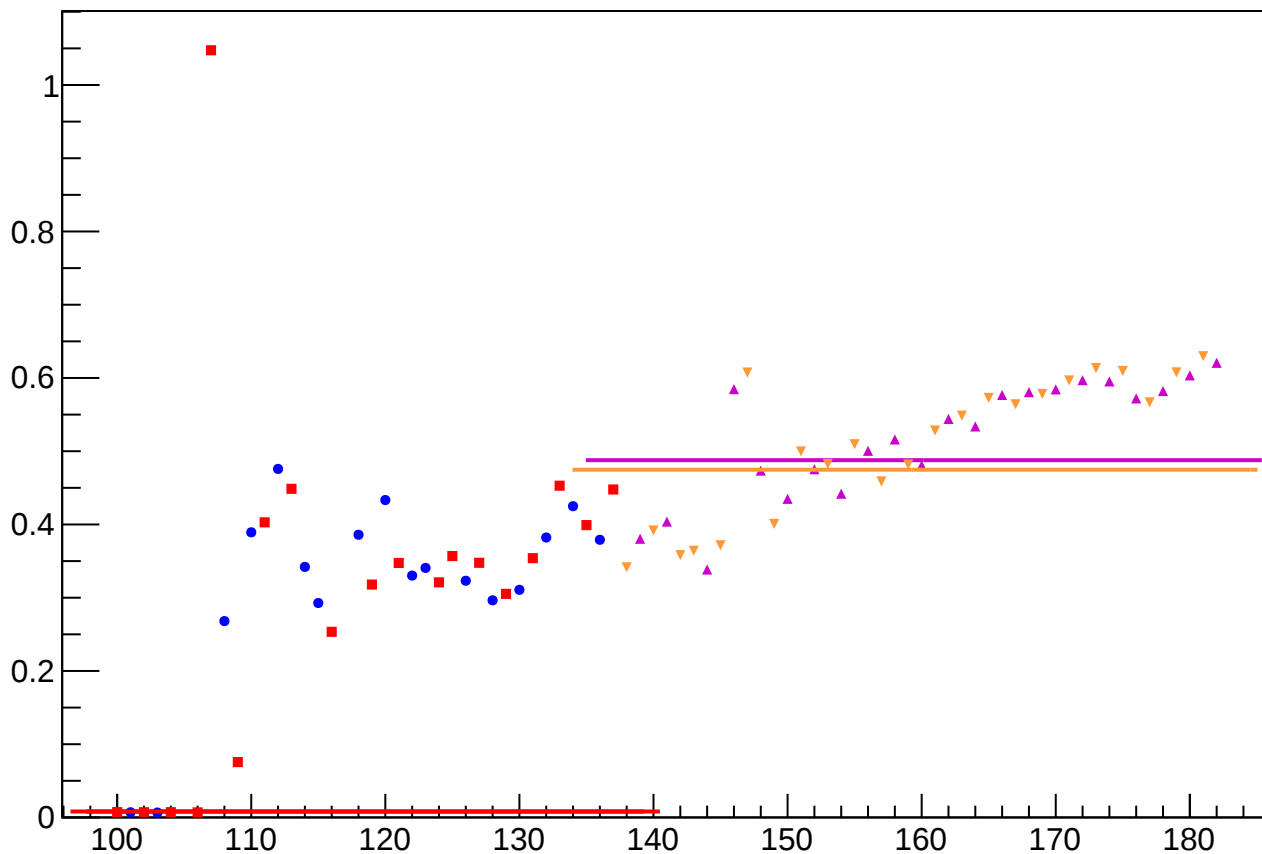
All: 0.558+/-0.000 χ^2/NDF : 10729700.2/80

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.290+/-0.000	χ^2/NDF : 2485728057854.8/16	Left: 148.817+/-0.000	χ^2/NDF : 320975447.1/44
Left Out: 148.946+/-0.000	χ^2/NDF : 64694001.8/22	Right: 377.756+/-0.000	χ^2/NDF : 10776776100301.4
Right Out: 377.288+/-0.000	χ^2/NDF : 8283929719012.3/18	In: 377.118+/-0.000	χ^2/NDF : 6069232243689.8/30
Left In: 148.680+/-0.000	χ^2/NDF : 253799539.0/21	Out: 376.205+/-0.000	χ^2/NDF : 12036993161453.8
		All: 376.632+/-0.000	χ^2/NDF : 181121585649.0

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9762871.0/16

Left Out: 0.475 $\pm$ 0.000 χ^2 /NDF:1341219.9/22

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9478867.5/18

Left In: 0.488 $\pm$ 0.000 χ^2 /NDF:1041794.6/21

Left: 0.481 $\pm$ 0.000 χ^2 /NDF: 2394949.7/44

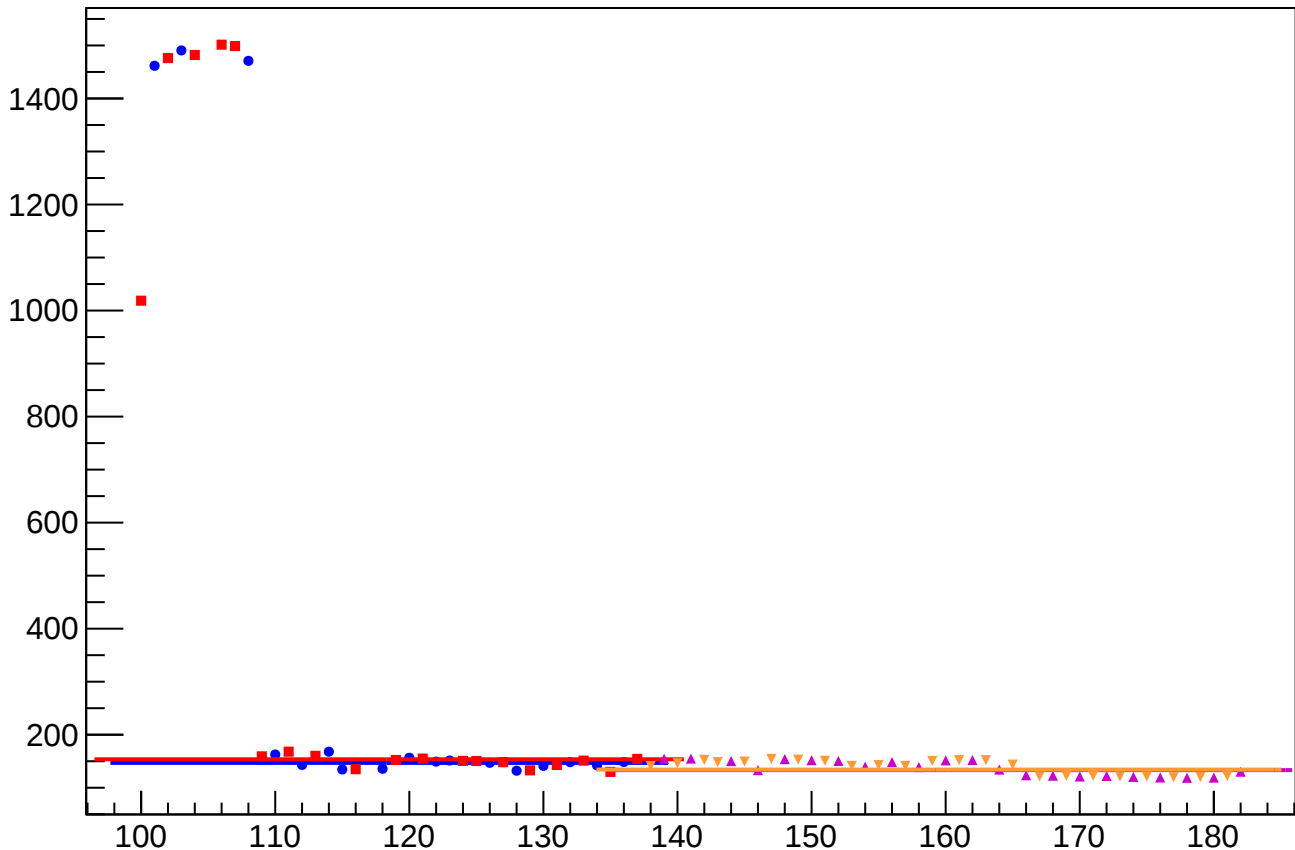
Right: 0.008 $\pm$ 0.000 χ^2 /NDF: 19241750.6/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:42078343.3/38

Out: 0.010 $\pm$ 0.000 χ^2 /NDF:42160584.9/41

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 84239539.4/80

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.867+/-0.000

χ^2/NDF : 24355015272.8/16

Left: 133.737+/-0.000

χ^2/NDF : 8590165166.0/44

Left Out: 134.228+/-0.000

χ^2/NDF : 4239165725.9/22

Right: 150.252+/-0.000

χ^2/NDF : 58265832063.8/35

Right Out: 153.610+/-0.000

χ^2/NDF : 33790758108.7/18

In: 135.797+/-0.000

χ^2/NDF : 29488530170.7/38

Out: 137.825+/-0.000

χ^2/NDF : 39652053850.3/41

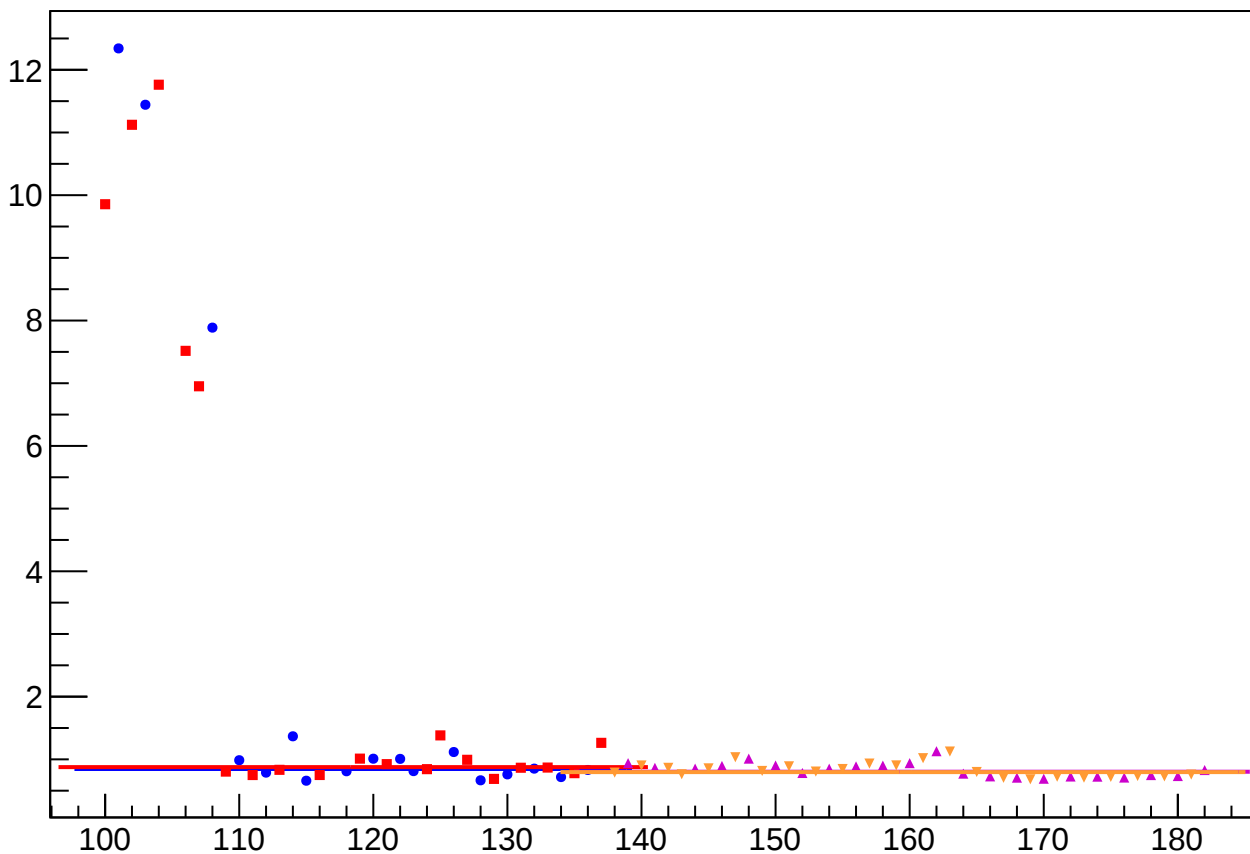
Left In: 133.235+/-0.000

χ^2/NDF : 4339671052.4/21

All: 136.821+/-0.000

χ^2/NDF : 69198730591.0/100

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.846+/-0.000 χ^2/NDF : 2668298.4/16

Left Out: 0.796+/-0.000 χ^2/NDF :496634.1/22

Right Out: 0.876+/-0.000 χ^2/NDF : 2828930.0/18

Left In: 0.803+/-0.000 χ^2/NDF :459987.2/21

Left: 0.799+/-0.000 χ^2/NDF : 957452.7/44

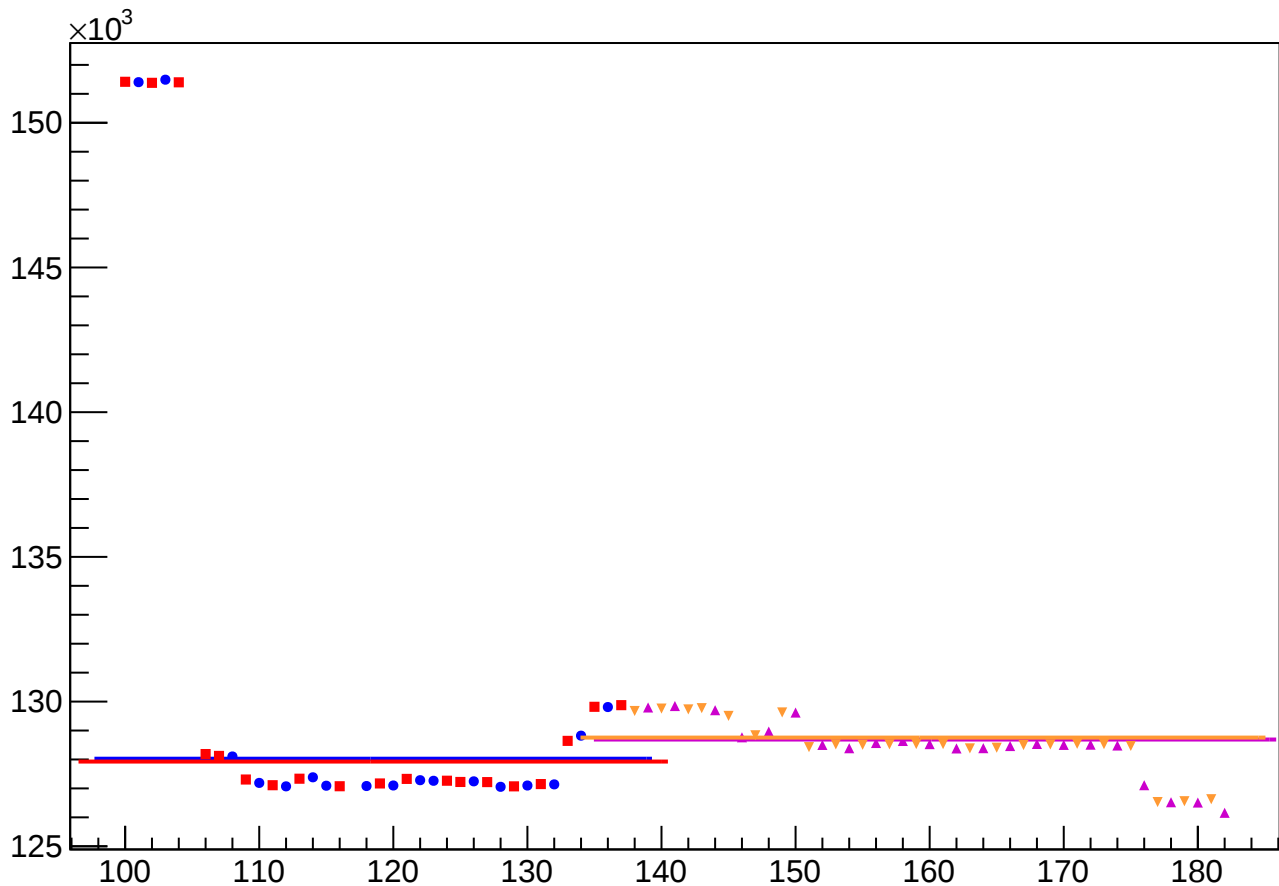
Right: 0.861+/-0.000 χ^2/NDF : 5501916.8/35

In: 0.811+/-0.000 χ^2/NDF :3144616.1/38

Out: 0.811+/-0.000 χ^2/NDF :3380183.2/41

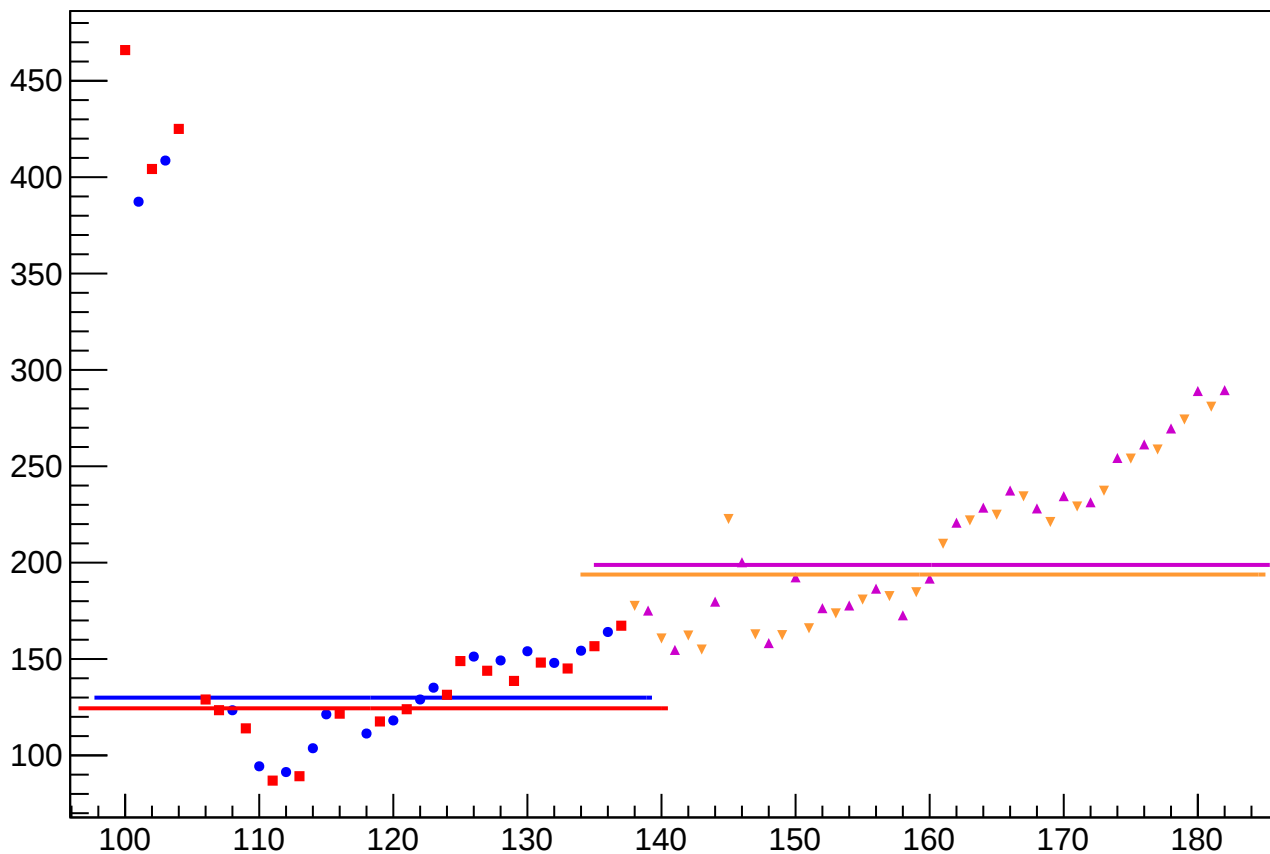
All: 0.811+/-0.000 χ^2/NDF : 6524807.3/80

yield_bpm2i01WS_mean vs Slug, Sign Corrected

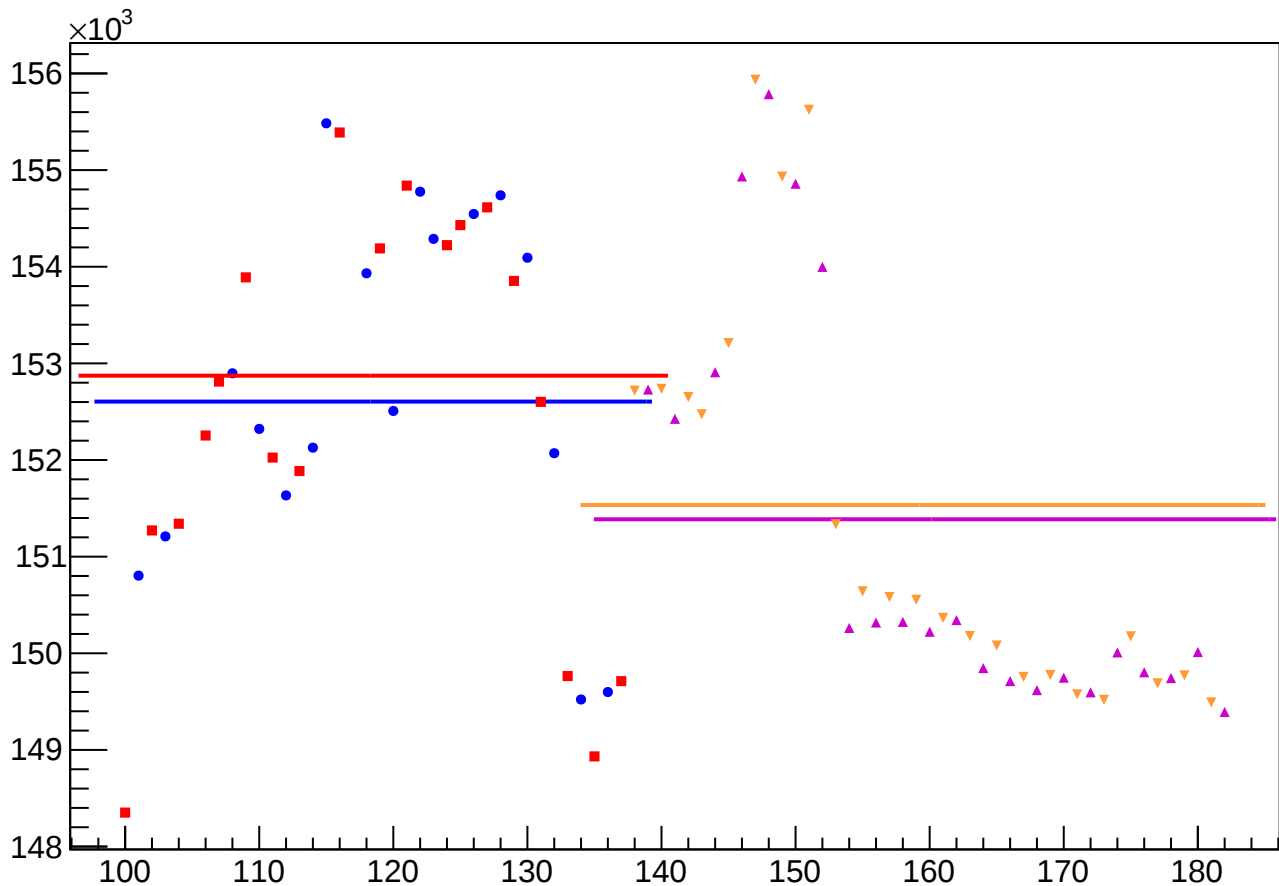


Right In: 128026.197 $\pm$ 0.055 χ^2 /NDF: 4315820742.0/16
 Left Out: 128755.859 $\pm$ 0.047 χ^2 /NDF: 296270890.5/22
 Right Out: 127927.799 $\pm$ 0.050 χ^2 /NDF: 3766946876.4/18
 Left In: 128688.902 $\pm$ 0.049 χ^2 /NDF: 315663140.1/21
 Left: 128723.530 $\pm$ 0.034 χ^2 /NDF: 612898838.2/4
 Right: 127973.023 $\pm$ 0.037 χ^2 /NDF: 8084520593.8/
 In: 128393.317 $\pm$ 0.036 χ^2 /NDF: 4712996442.1/38
 Out: 128367.358 $\pm$ 0.035 χ^2 /NDF: 4206601242.0/4
 All: 128379.616 $\pm$ 0.025 χ^2 /NDF: 891986483

yield_bpm2i01WS_rms vs Slug, Sign Corrected

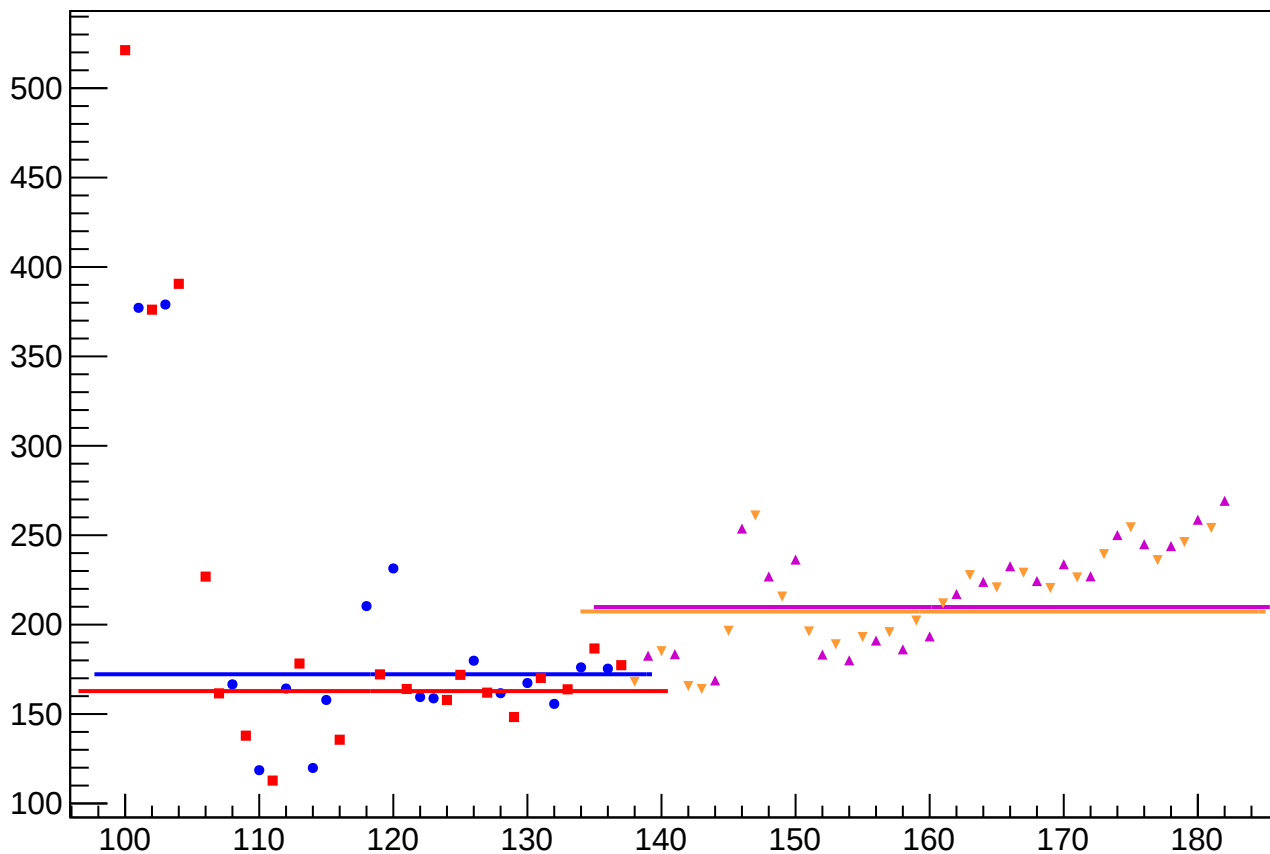


yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152604.581+/-0.072	χ^2/NDF : 618623287.4/16	Left: 151462.141+/-0.036	χ^2/NDF : 2838020462.1/4
Left Out: 151534.486+/-0.050	χ^2/NDF : 1429874614.9/22	Right: 152750.468+/-0.049	χ^2/NDF : 1341835055.0/4
Right Out: 152872.589+/-0.066	χ^2/NDF : 715748064.0/18	In: 151795.762+/-0.042	χ^2/NDF : 2210600868.8/38
Left In: 151386.678+/-0.051	χ^2/NDF : 1403936073.6/21	Out: 152025.280+/-0.040	χ^2/NDF : 2404172583.5/4
		All: 151915.672+/-0.029	χ^2/NDF : 463041435.0/10

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.246+/-0.051 χ^2/NDF : 925645.6/16

Left Out: 207.361+/-0.036 χ^2/NDF : 598932.8/22

Right Out: 162.843+/-0.047 χ^2/NDF : 1031113.1/18

Left In: 209.841+/-0.036 χ^2/NDF : 657009.9/21

Left: 208.575+/-0.025 χ^2/NDF : 1258314.4/44

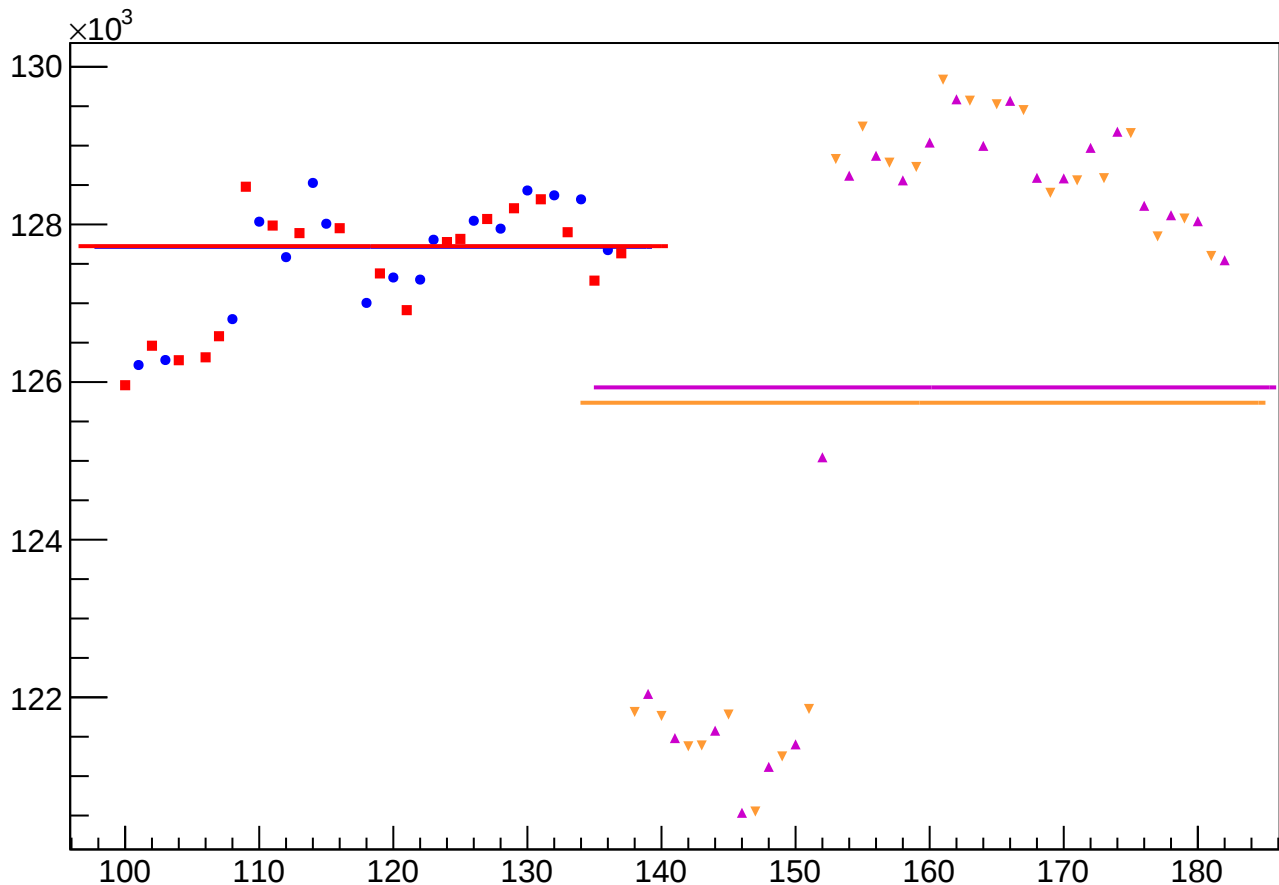
Right: 167.127+/-0.035 χ^2/NDF : 1975134.5/35

In: 197.213+/-0.030 χ^2/NDF : 1941022.8/38

Out: 191.032+/-0.028 χ^2/NDF : 2202401.8/41

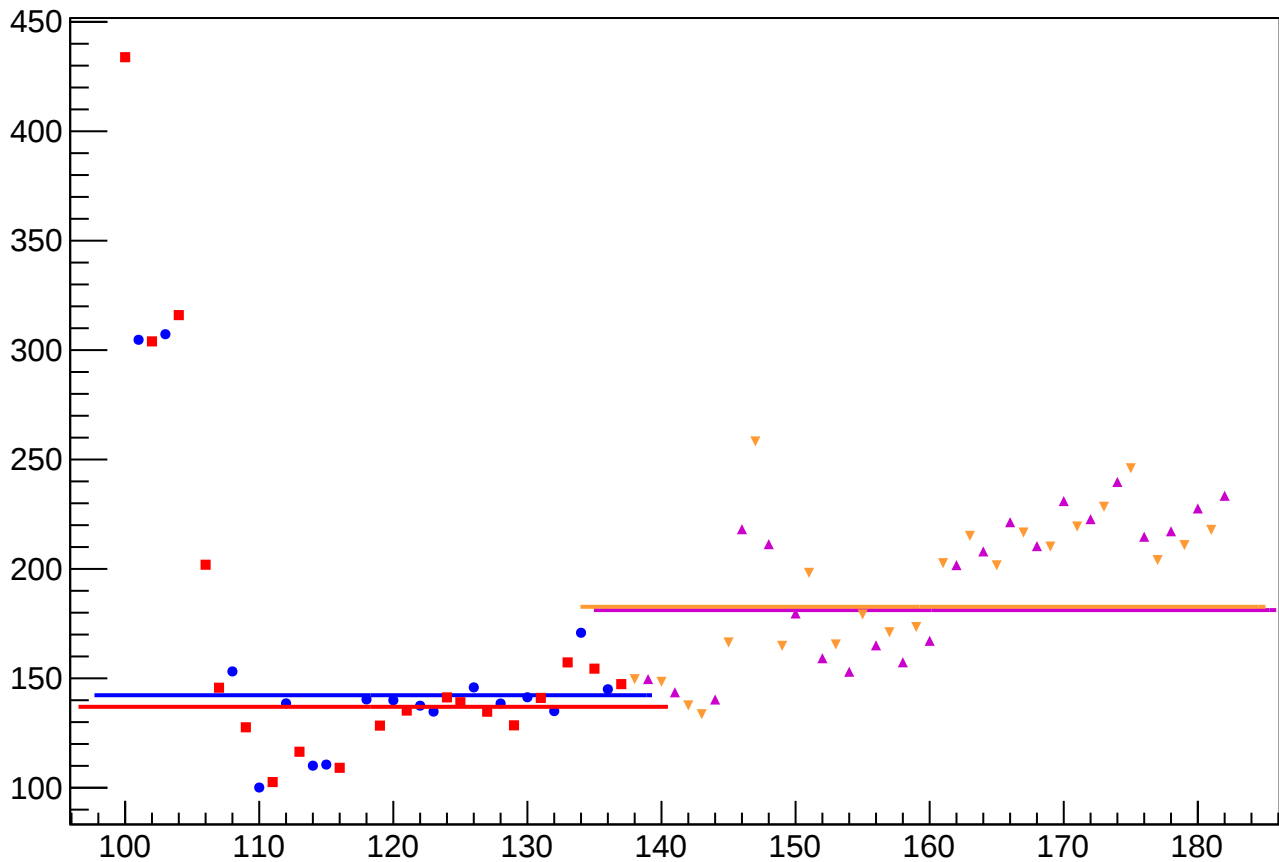
All: 193.984+/-0.020 χ^2/NDF : 4166112.9/80

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127716.166 $\pm$ 0.058	χ^2 /NDF: 94931980.7/16	Left: 125835.134 $\pm$ 0.032	χ^2 /NDF: 12363038849.8
Left Out: 125737.745 $\pm$ 0.045	χ^2 /NDF: 6532374284.2/22	Right: 127720.646 $\pm$ 0.040	χ^2 /NDF: 207526294.1/3
Right Out: 127724.552 $\pm$ 0.055	χ^2 /NDF: 112583303.4/18	In: 126594.624 $\pm$ 0.036	χ^2 /NDF: 6502498636.6/38
Left In: 125932.563 $\pm$ 0.045	χ^2 /NDF: 5821240012.1/21	Out: 126539.569 $\pm$ 0.035	χ^2 /NDF: 7436287167.8/4
		All: 126566.363 $\pm$ 0.025	χ^2 /NDF: 13940014

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.282 $\pm$ 0.041 χ^2 /NDF: 836459.8/16

Left Out: 182.695 $\pm$ 0.032 χ^2 /NDF:1040046.0/22

Right Out: 136.989 $\pm$ 0.039 χ^2 /NDF: 956883.0/18

Left In: 181.188 $\pm$ 0.032 χ^2 /NDF:1087387.2/21

Left: 181.942 $\pm$ 0.022 χ^2 /NDF: 2128560.2/44

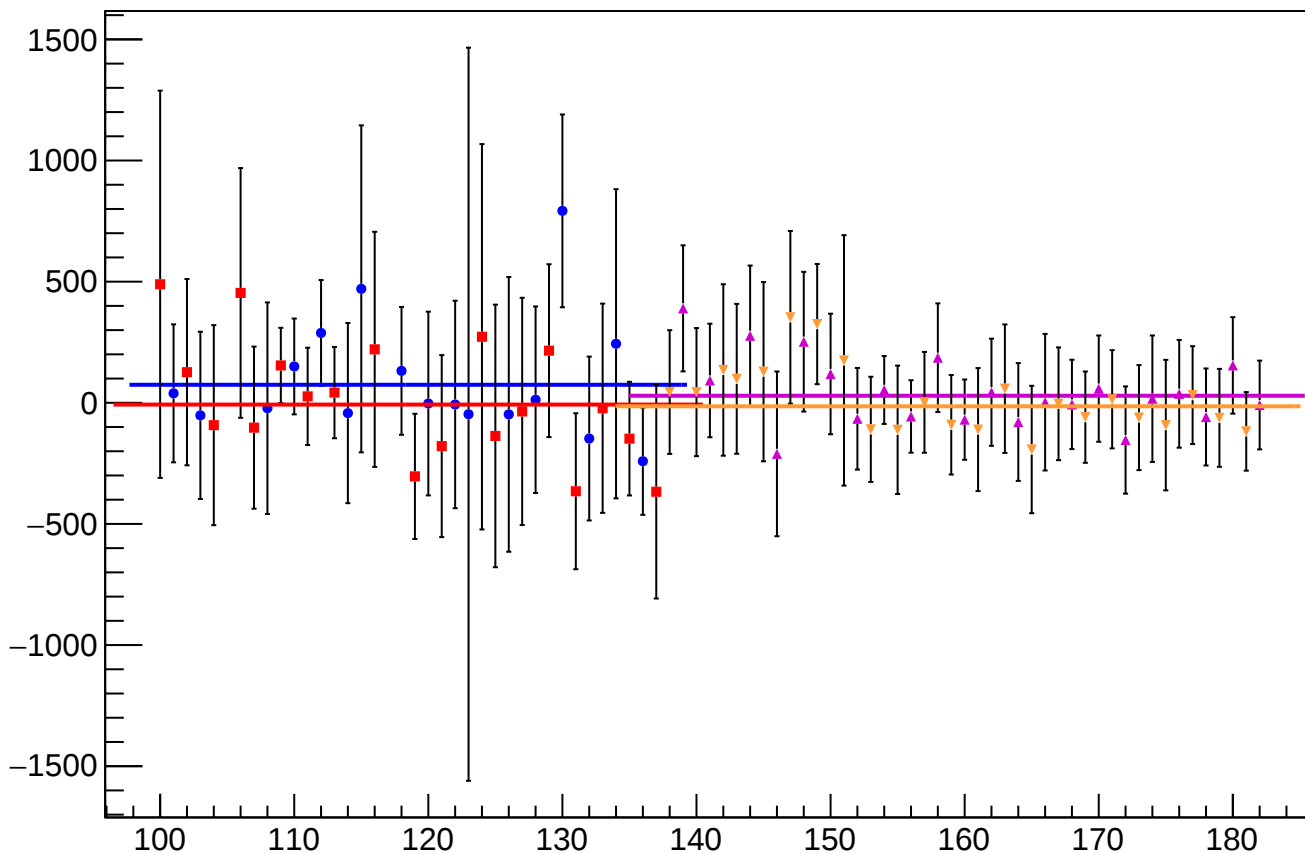
Right: 139.455 $\pm$ 0.028 χ^2 /NDF: 1802113.8/35

In: 166.746 $\pm$ 0.025 χ^2 /NDF:2481822.0/38

Out: 164.249 $\pm$ 0.025 χ^2 /NDF:2834473.6/41

All: 165.464 $\pm$ 0.018 χ^2 /NDF: 5321351.0/80

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.411 $\pm$ 79.831 χ^2/NDF : 7.7/16

Left Out: -14.435 $\pm$ 49.832 χ^2/NDF : 5.5/22

Right Out: -7.330 $\pm$ 70.110 χ^2/NDF : 7.2/18

Left In: 29.104 $\pm$ 45.093 χ^2/NDF : 6.9/21

Left: 9.503 $\pm$ 33.436 χ^2/NDF : 12.9/44

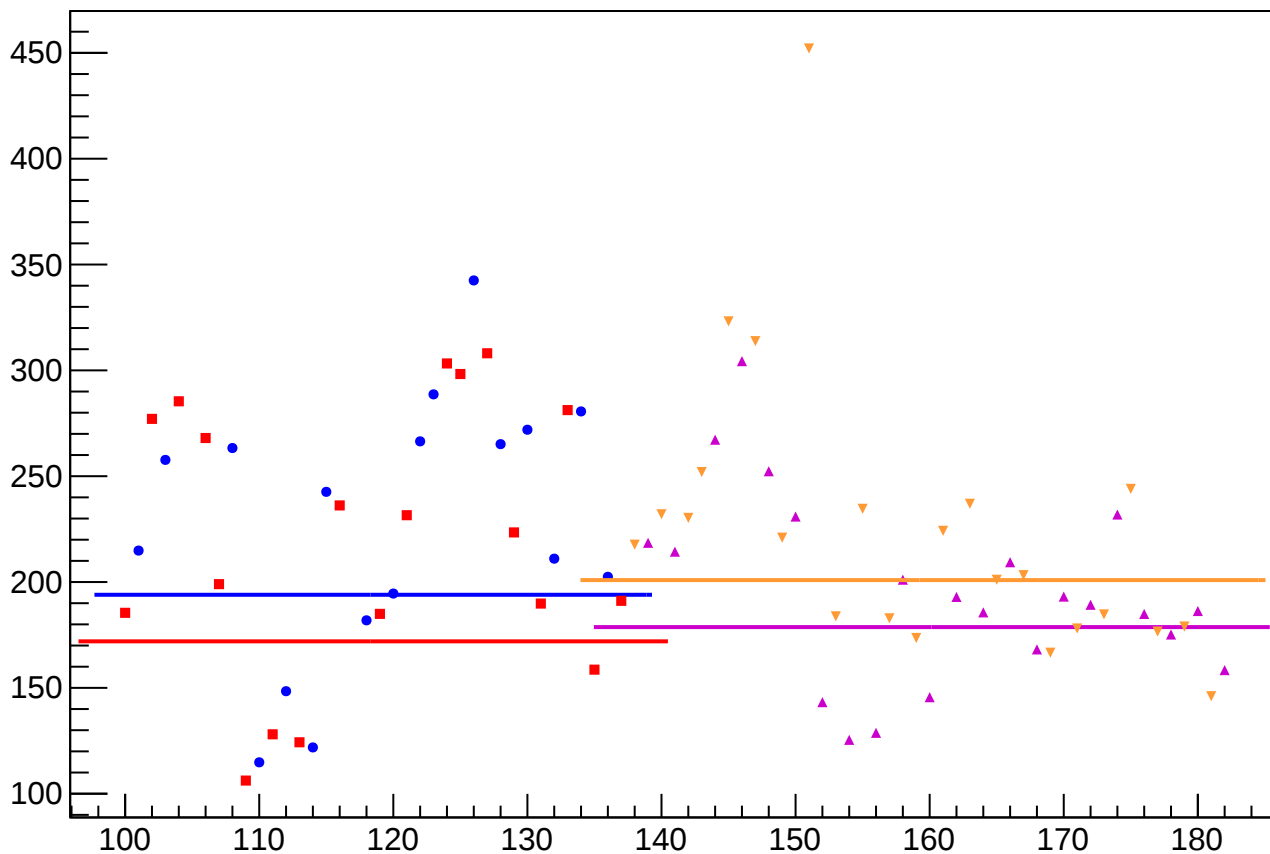
Right: 28.263 $\pm$ 52.679 χ^2/NDF : 15.5/35

In: 40.063 $\pm$ 39.262 χ^2/NDF : 14.9/38

Out: -12.050 $\pm$ 40.617 χ^2/NDF : 12.7/41

All: 14.890 $\pm$ 28.230 χ^2/NDF : 28.5/80

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.981+/-0.056 χ^2/NDF : 1018863.8/16

Left Out: 200.915+/-0.035 χ^2/NDF : 1593568.1/22

Right Out: 171.982+/-0.050 χ^2/NDF : 1574584.7/18

Left In: 178.716+/-0.032 χ^2/NDF : 1605967.0/21

Left: 188.710+/-0.024 χ^2/NDF : 3417747.4/44

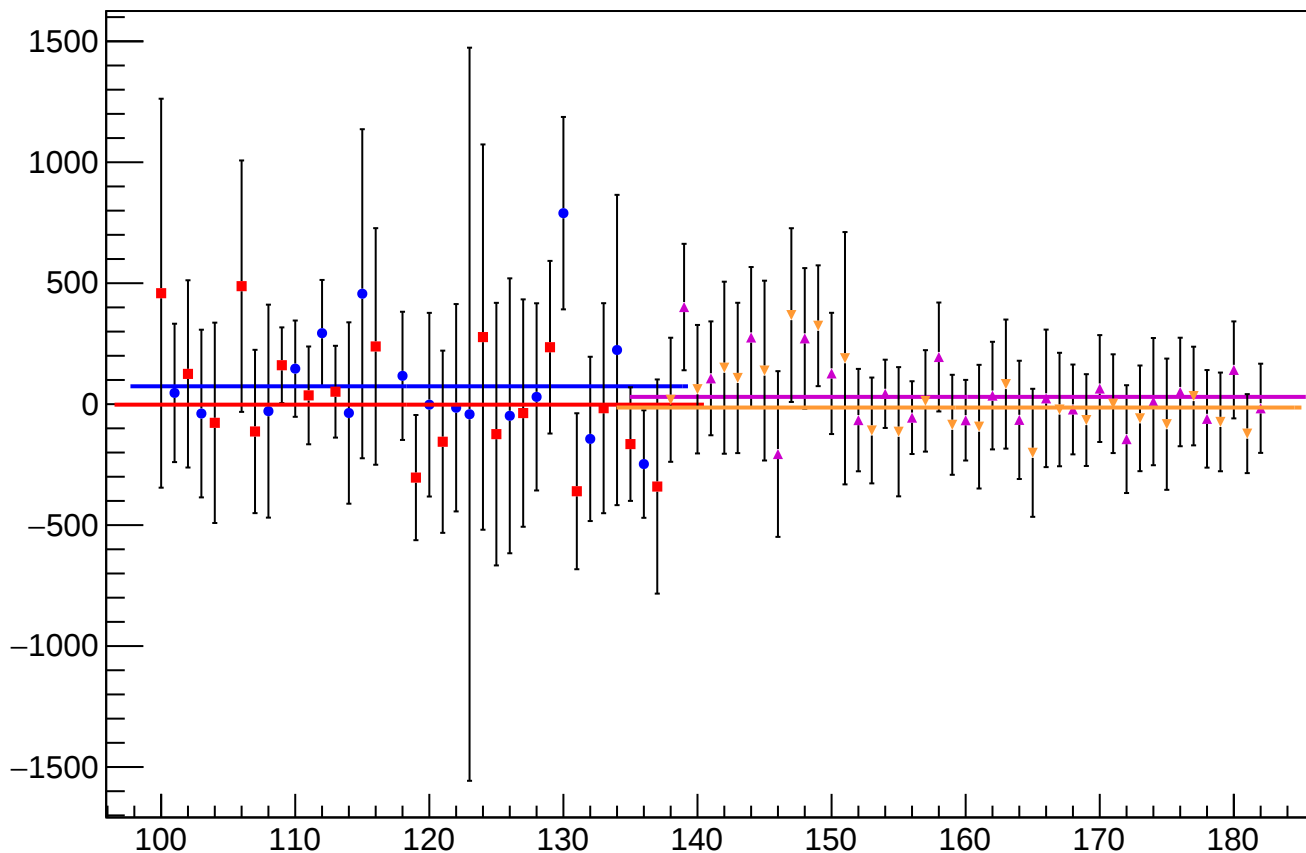
Right: 181.561+/-0.037 χ^2/NDF : 2679188.8/35

In: 182.409+/-0.028 χ^2/NDF : 2680265.5/38

Out: 191.204+/-0.029 χ^2/NDF : 3394443.0/41

All: 186.657+/-0.020 χ^2/NDF : 6123193.2/80

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 73.870 $\pm$ 80.221 χ^2 /NDF: 7.7/16

Left Out: -13.925 $\pm$ 50.179 χ^2 /NDF:5.7/22

Right Out: -2.039 $\pm$ 70.480 χ^2 /NDF: 7.4/18

Left In: 30.094 $\pm$ 45.387 χ^2 /NDF:7.0/21

Left: 10.287 $\pm$ 33.660 χ^2 /NDF: 13.2/44

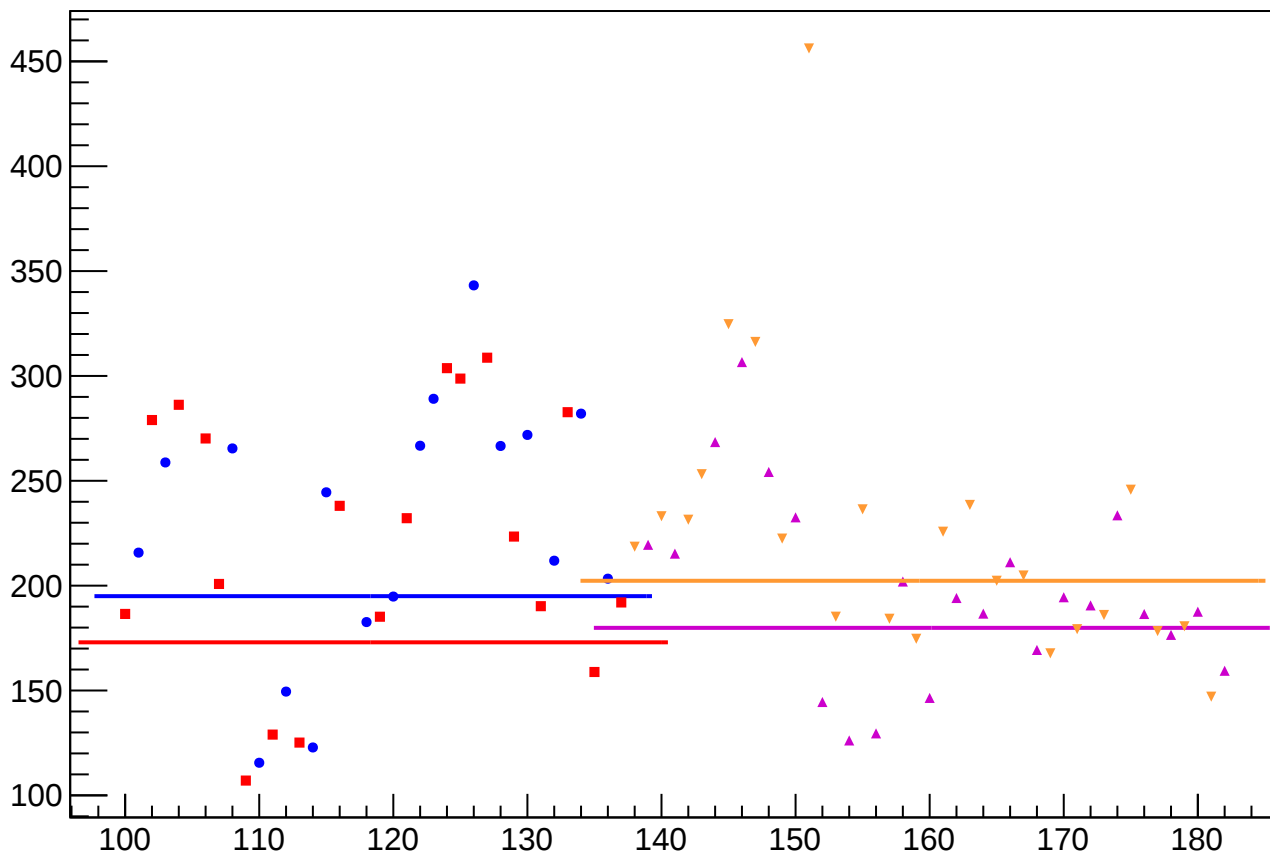
Right: 31.030 $\pm$ 52.948 χ^2 /NDF: 15.5/35

In: 40.709 $\pm$ 39.503 χ^2 /NDF:14.9/38

Out: -9.926 $\pm$ 40.877 χ^2 /NDF:13.1/41

All: 16.257 $\pm$ 28.406 χ^2 /NDF: 28.8/80

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.991 ± 0.057 $\chi^2/\text{NDF}: 1010319.8/16$

Left Out: 202.322 ± 0.035 $\chi^2/\text{NDF}: 1589639.8/22$

Right Out: 172.973 ± 0.050 $\chi^2/\text{NDF}: 1562363.3/18$

Left In: 179.876 ± 0.032 $\chi^2/\text{NDF}: 1605354.9/21$

Left: 189.976 ± 0.024 $\chi^2/\text{NDF}: 3415101.7/44$

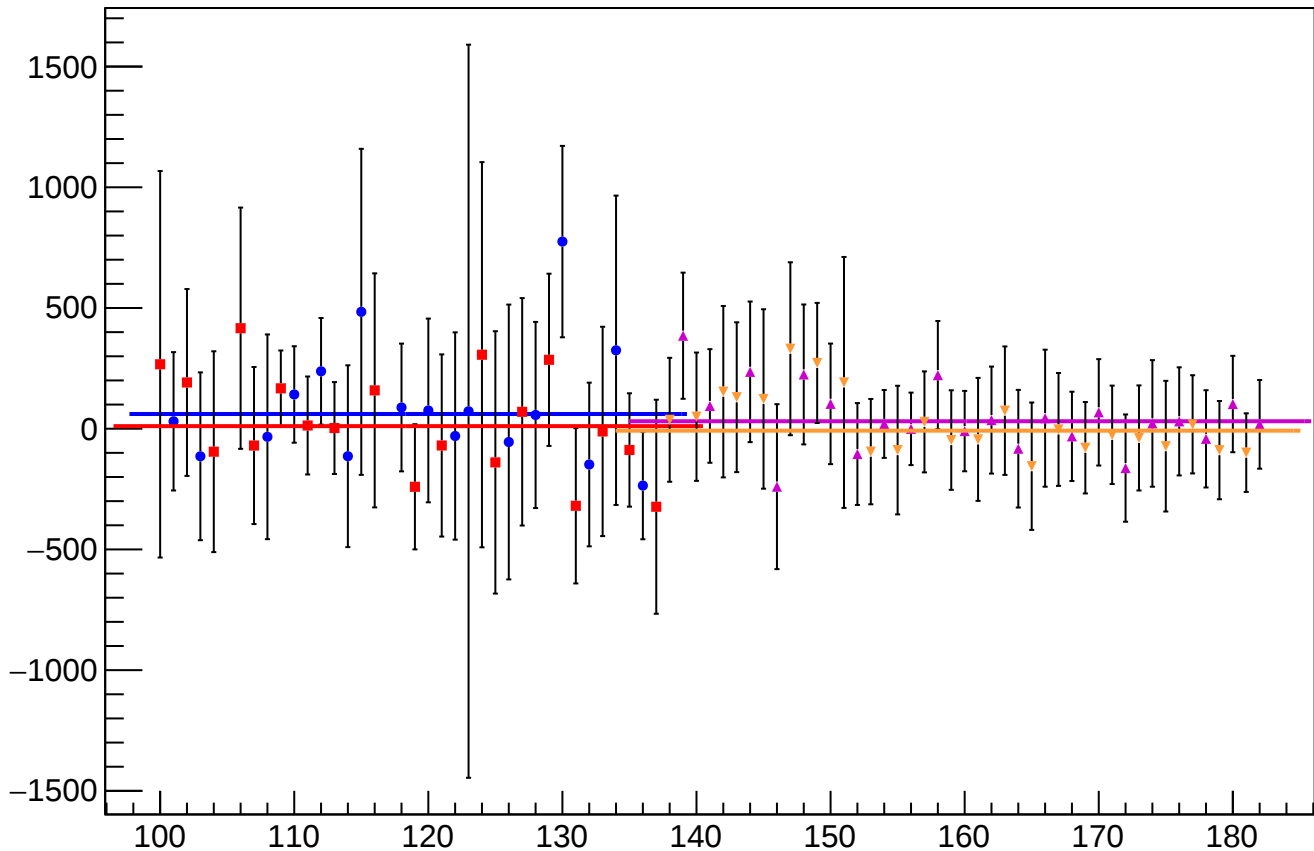
Right: 182.565 ± 0.037 $\chi^2/\text{NDF}: 2657714.7/35$

In: 183.541 ± 0.028 $\chi^2/\text{NDF}: 2669462.4/38$

Out: 192.449 ± 0.029 $\chi^2/\text{NDF}: 3382144.0/41$

All: 187.843 ± 0.020 $\chi^2/\text{NDF}: 6100721.9/80$

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 60.929 $\pm$ 80.216 χ^2 /NDF: 7.4/16

Left Out: -8.091 $\pm$ 50.055 χ^2 /NDF:4.4/22

Right Out: 10.668 $\pm$ 70.402 χ^2 /NDF: 5.8/18

Left In: 30.951 $\pm$ 45.267 χ^2 /NDF:6.2/21

Left: 13.386 $\pm$ 33.574 χ^2 /NDF: 10.9/44

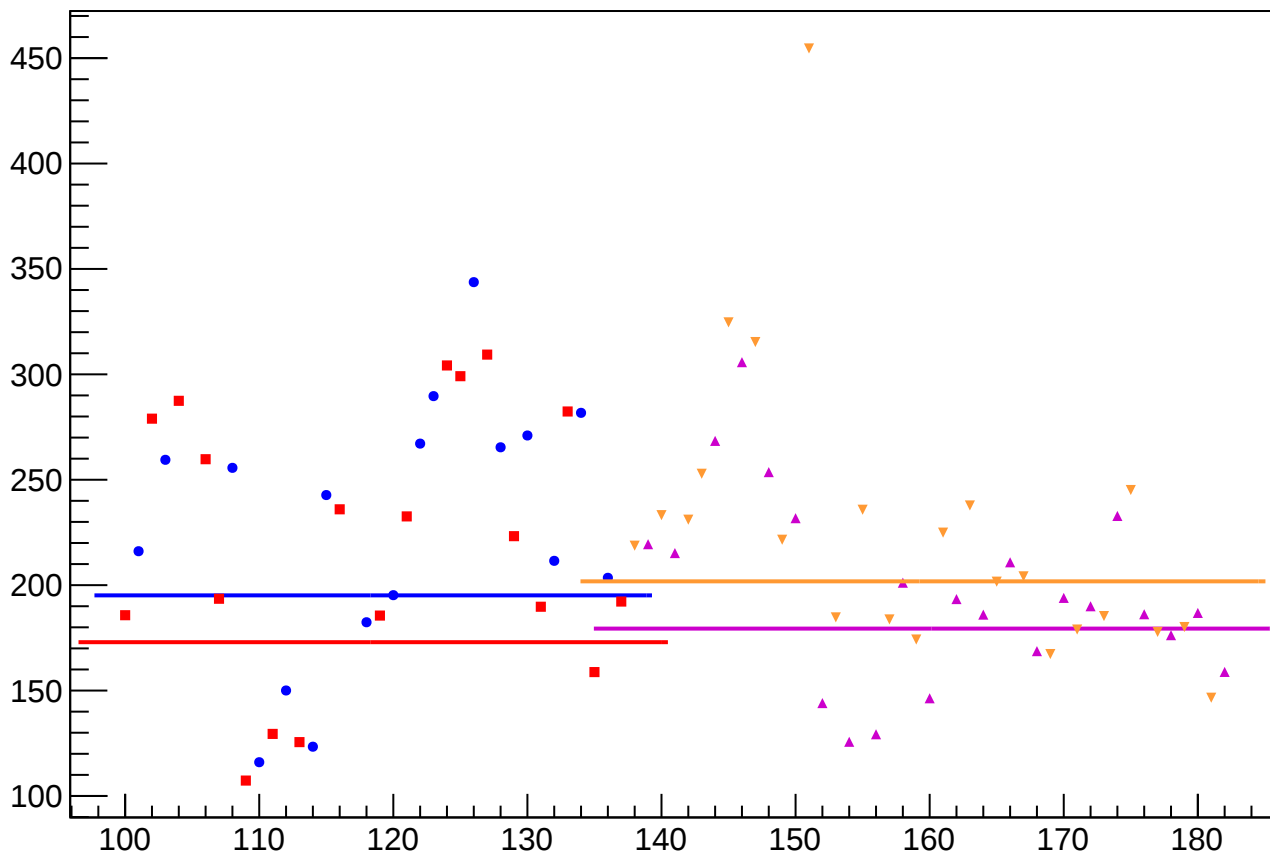
Right: 32.537 $\pm$ 52.913 χ^2 /NDF: 13.4/35

In: 38.191 $\pm$ 39.423 χ^2 /NDF:13.7/38

Out: -1.792 $\pm$ 40.795 χ^2 /NDF:10.2/41

All: 18.883 $\pm$ 28.349 χ^2 /NDF: 24.4/80

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 195.157+/-0.057 χ^2/NDF : 988306.7/16

Left Out: 201.809+/-0.035 χ^2/NDF :1593245.0/22

Right Out: 172.948+/-0.050 χ^2/NDF : 1539308.8/18

Left In: 179.392+/-0.032 χ^2/NDF :1609131.1/21

Left: 189.477+/-0.024 χ^2/NDF : 3423040.0/44

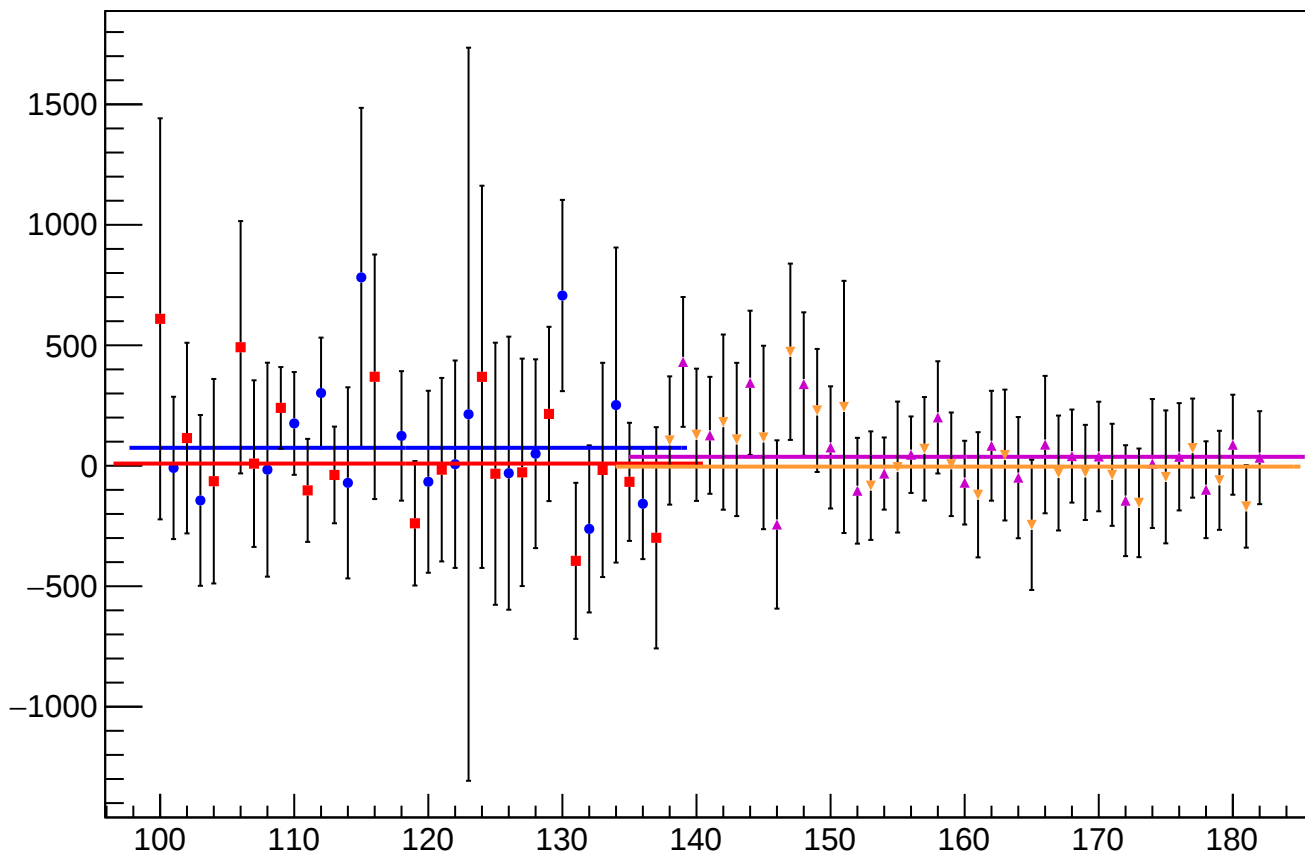
Right: 182.611+/-0.037 χ^2/NDF : 2614216.7/35

In: 183.199+/-0.028 χ^2/NDF :2656026.6/38

Out: 192.118+/-0.029 χ^2/NDF :3355811.7/41

All: 187.506+/-0.020 χ^2/NDF : 6061266.4/80

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 74.541 $\pm$ 82.742 χ^2 /NDF: 7.7/16

Left Out: -3.538 $\pm$ 51.537 χ^2 /NDF:6.6/22

Right Out: 9.056 $\pm$ 73.353 χ^2 /NDF: 7.7/18

Left In: 37.155 $\pm$ 46.887 χ^2 /NDF:7.9/21

Left: 18.726 $\pm$ 34.682 χ^2 /NDF: 14.8/44

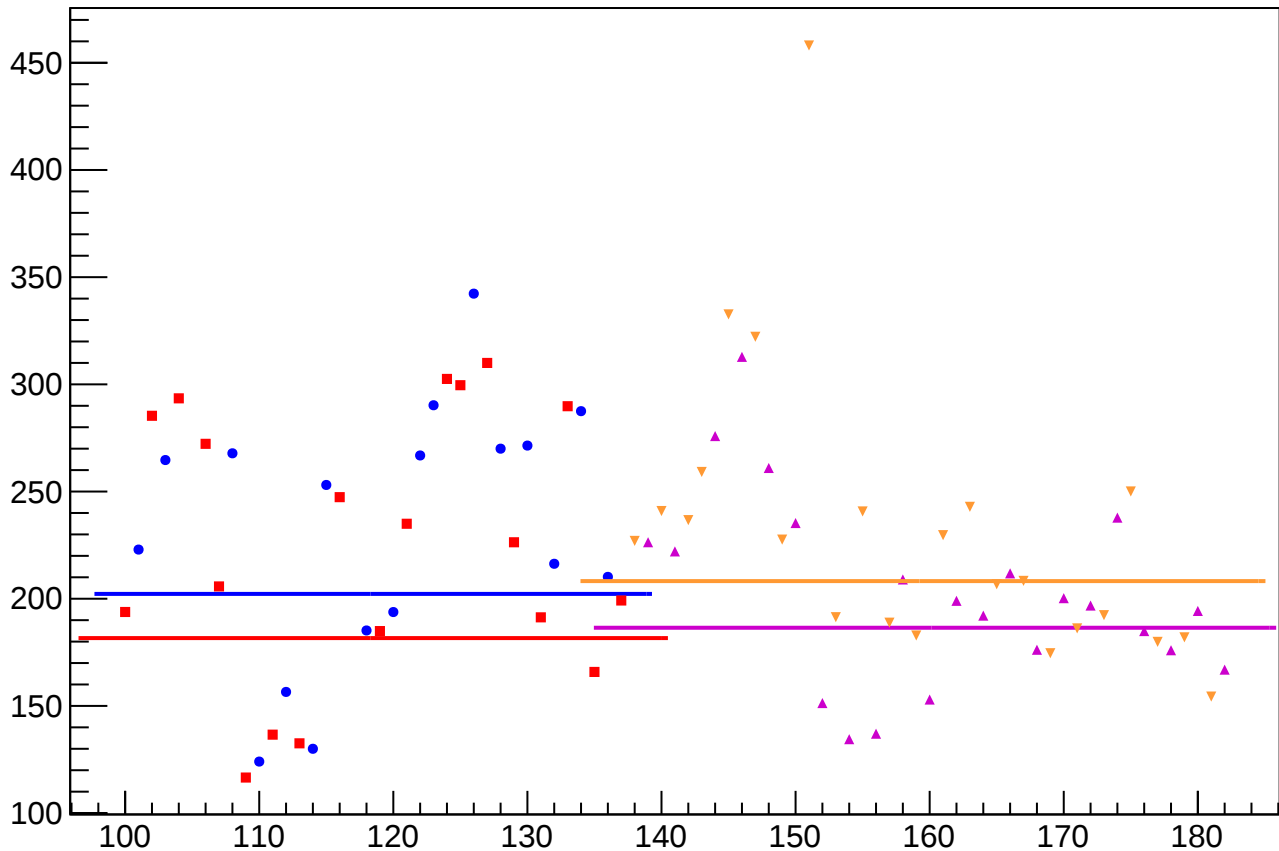
Right: 37.874 $\pm$ 54.889 χ^2 /NDF: 15.8/35

In: 46.242 $\pm$ 40.793 χ^2 /NDF:15.7/38

Out: 0.624 $\pm$ 42.169 χ^2 /NDF:14.3/41

All: 24.190 $\pm$ 29.319 χ^2 /NDF: 30.6/80

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.251+/-0.059 χ^2/NDF : 883731.1/16

Left Out: 208.224+/-0.036 χ^2/NDF : 1510887.6/22

Right Out: 181.640+/-0.052 χ^2/NDF : 1373481.9/18

Left In: 186.463+/-0.033 χ^2/NDF : 1448593.7/21

Left: 196.318+/-0.025 χ^2/NDF : 3154562.7/44

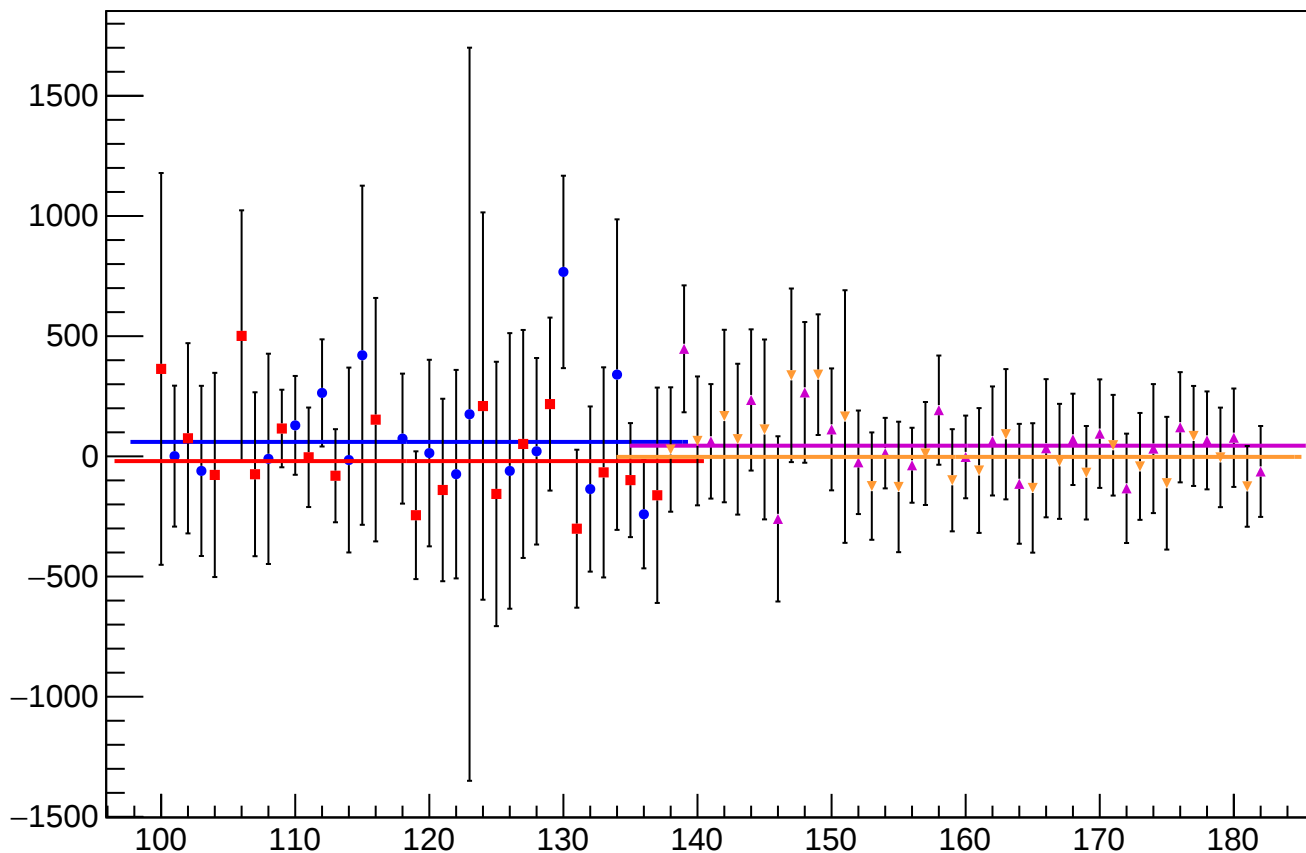
Right: 190.710+/-0.039 χ^2/NDF : 2326703.3/35

In: 190.301+/-0.029 χ^2/NDF : 2387440.2/38

Out: 199.438+/-0.030 χ^2/NDF : 3060236.8/41

All: 194.718+/-0.021 χ^2/NDF : 5496184.4/80

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 60.119+/-81.659 χ^2/NDF : 7.0/16

Left Out: -2.184+/-51.117 χ^2/NDF : 5.5/22

Right Out: -19.746+/-71.914 χ^2/NDF : 4.6/18

Left In: 44.366+/-46.393 χ^2/NDF : 6.7/21

Left: 23.341+/-34.354 χ^2/NDF : 12.6/44

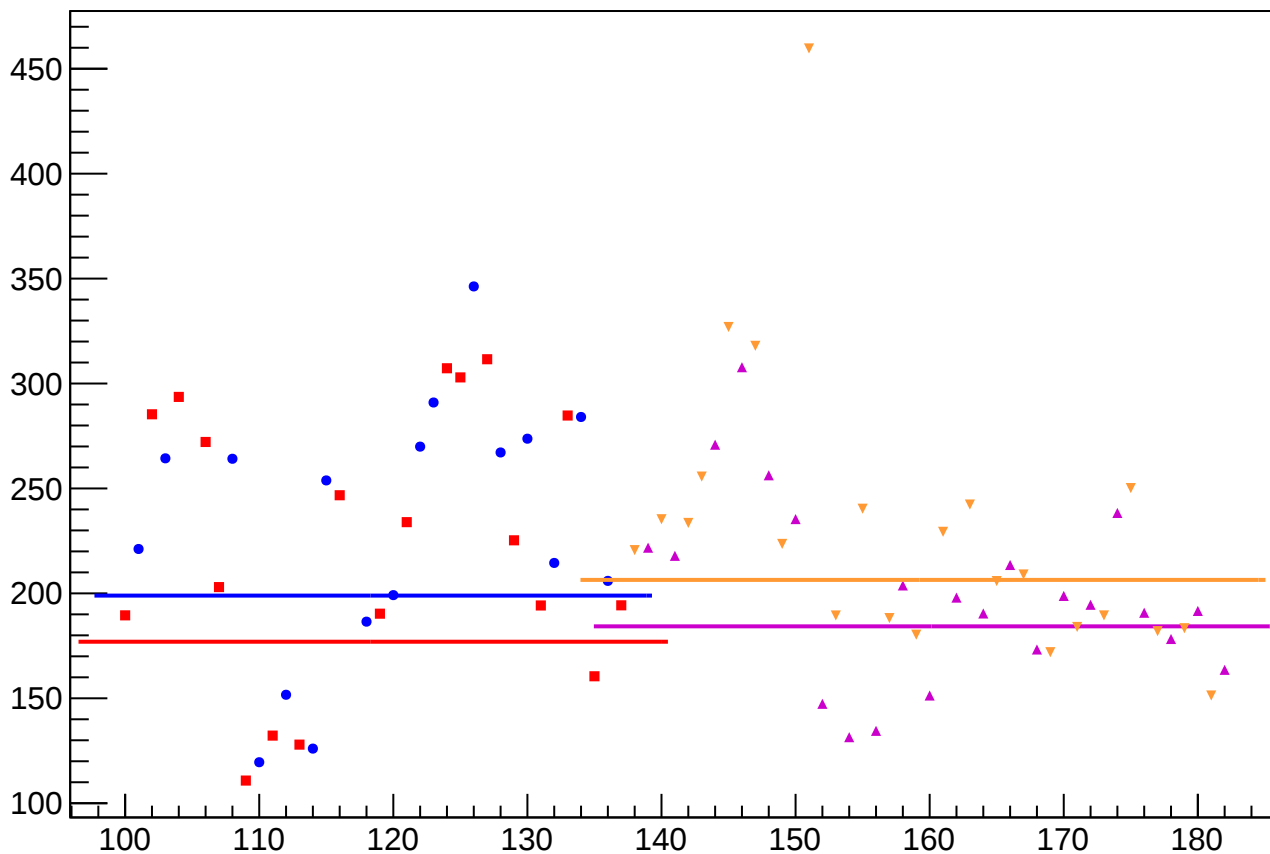
Right: 15.139+/-53.969 χ^2/NDF : 12.2/35

In: 48.210+/-40.337 χ^2/NDF : 13.7/38

Out: -8.079+/-41.664 χ^2/NDF : 10.1/41

All: 20.976+/-28.980 χ^2/NDF : 24.8/80

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.943+/-0.058 χ^2/NDF : 965773.2/16

Left Out: 206.421+/-0.036 χ^2/NDF : 1515036.5/22

Right Out: 176.962+/-0.051 χ^2/NDF : 1519544.5/18

Left In: 184.293+/-0.033 χ^2/NDF : 1483134.2/21

Left: 194.287+/-0.024 χ^2/NDF : 3203696.0/44

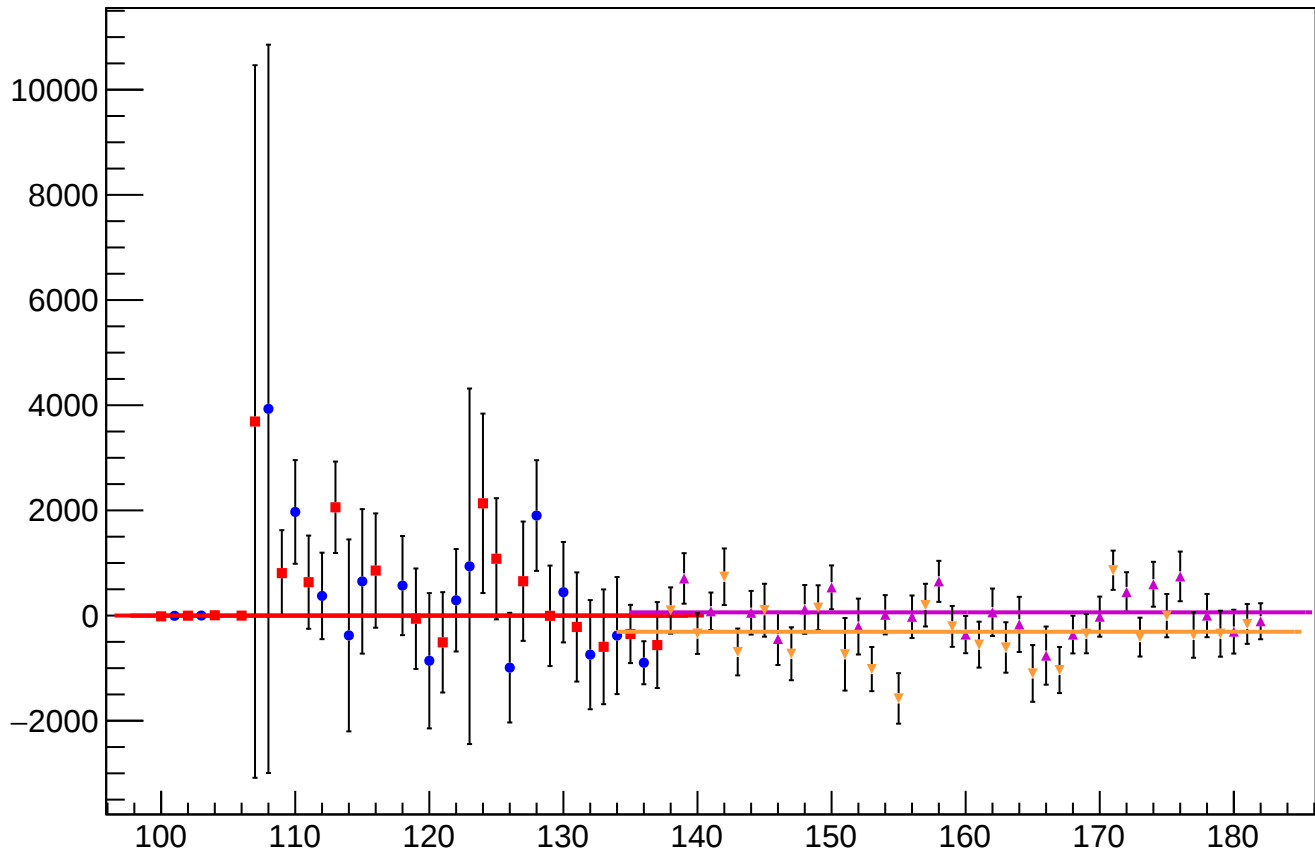
Right: 186.563+/-0.038 χ^2/NDF : 2566934.9/35

In: 187.867+/-0.029 χ^2/NDF : 2497572.4/38

Out: 196.533+/-0.029 χ^2/NDF : 3257556.8/41

All: 192.060+/-0.020 χ^2/NDF : 5799788.4/80

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 $\pm$ 2.251 χ^2/NDF : 16.9/16

Left Out: -307.804 $\pm$ 90.561 χ^2/NDF : 36.0/22

Right Out: 0.731 $\pm$ 2.111 χ^2/NDF : 18.2/18

Left In: 61.354 $\pm$ 88.513 χ^2/NDF : 17.8/21

Left: -119.005 $\pm$ 63.300 χ^2/NDF : 62.3/44

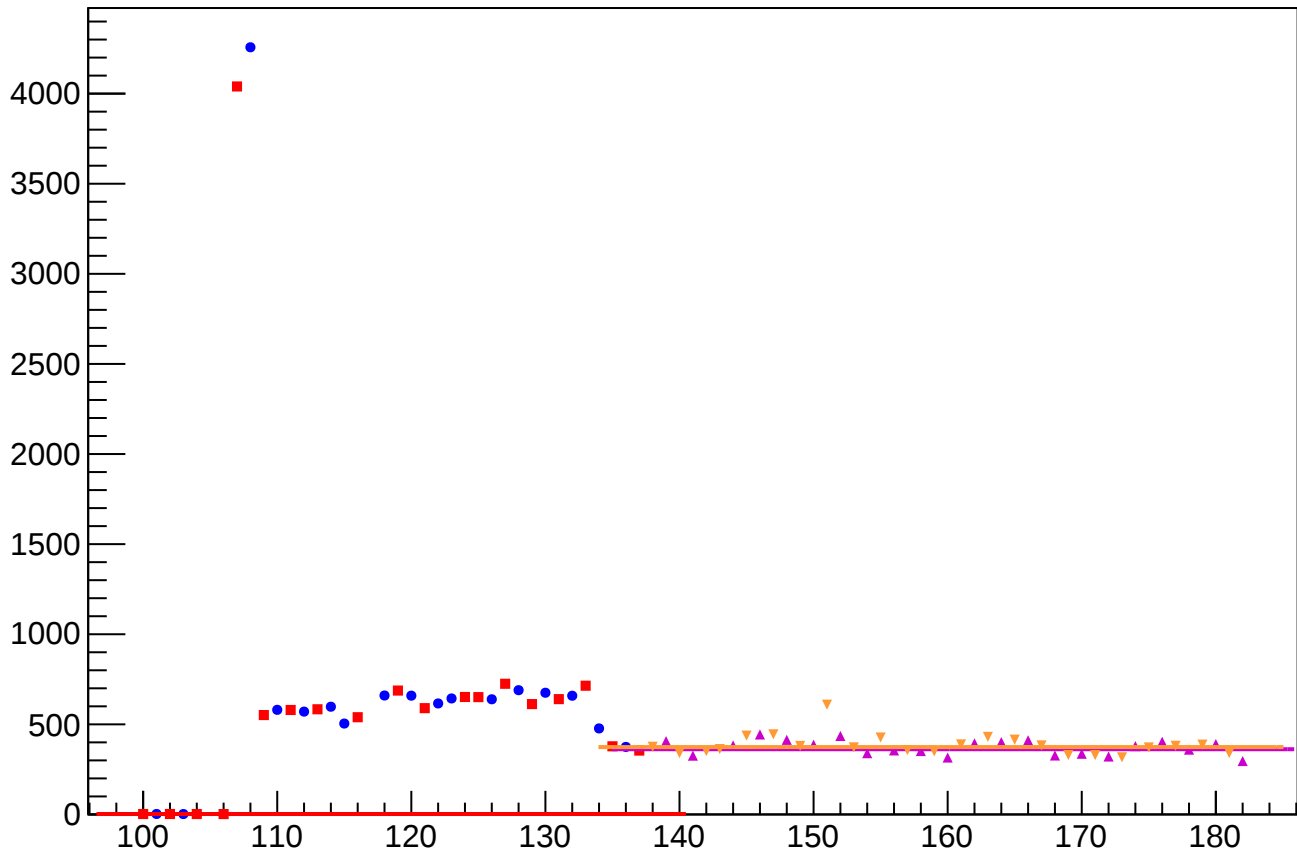
Right: -0.326 $\pm$ 1.540 χ^2/NDF : 35.7/35

In: -1.488 $\pm$ 2.251 χ^2/NDF : 35.2/38

Out: 0.563 $\pm$ 2.111 χ^2/NDF : 65.8/41

All: -0.396 $\pm$ 1.540 χ^2/NDF : 101.5/80

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10667142.2/16

Left Out: 373.933+/-0.064 χ^2/NDF : 523889.3/22

Right Out: 2.436+/-0.001 χ^2/NDF : 11094072.3/18

Left In: 361.969+/-0.063 χ^2/NDF : 400727.7/21

Left: 367.814+/-0.045 χ^2/NDF : 942469.6/44

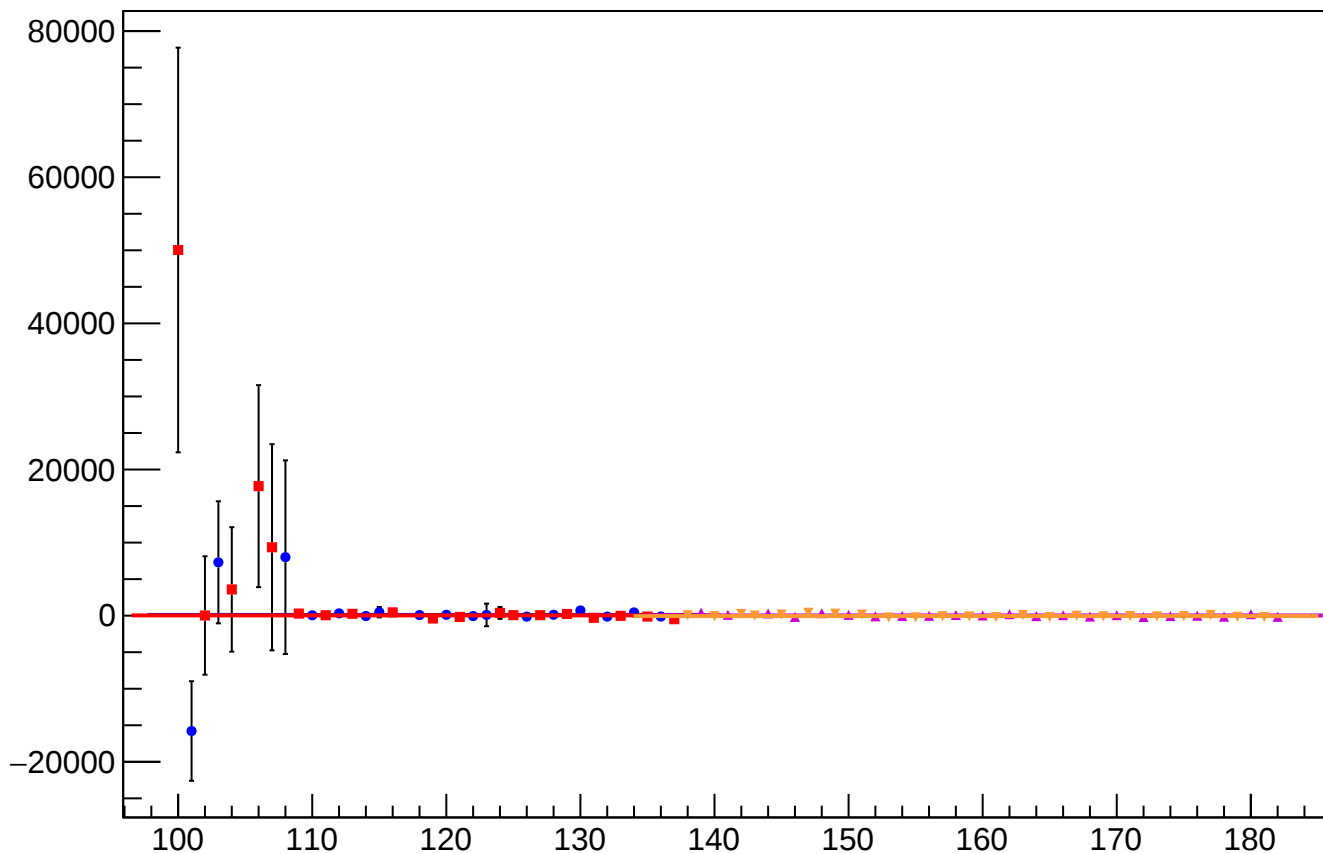
Right: 2.446+/-0.001 χ^2/NDF : 21761293.3/35

In: 2.688+/-0.002 χ^2/NDF : 44041003.7/38

Out: 2.638+/-0.001 χ^2/NDF : 45255333.1/41

All: 2.662+/-0.001 χ^2/NDF : 89296863.2/80

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 99.358+/-92.026 χ^2/NDF : 12.0/16

Left Out: -56.340+/-51.842 χ^2/NDF : 7.6/22

Right Out: 38.144+/-84.576 χ^2/NDF : 14.1/18

Left In: 30.148+/-48.597 χ^2/NDF : 9.5/21

Left: -10.305+/-35.455 χ^2/NDF : 18.6/44

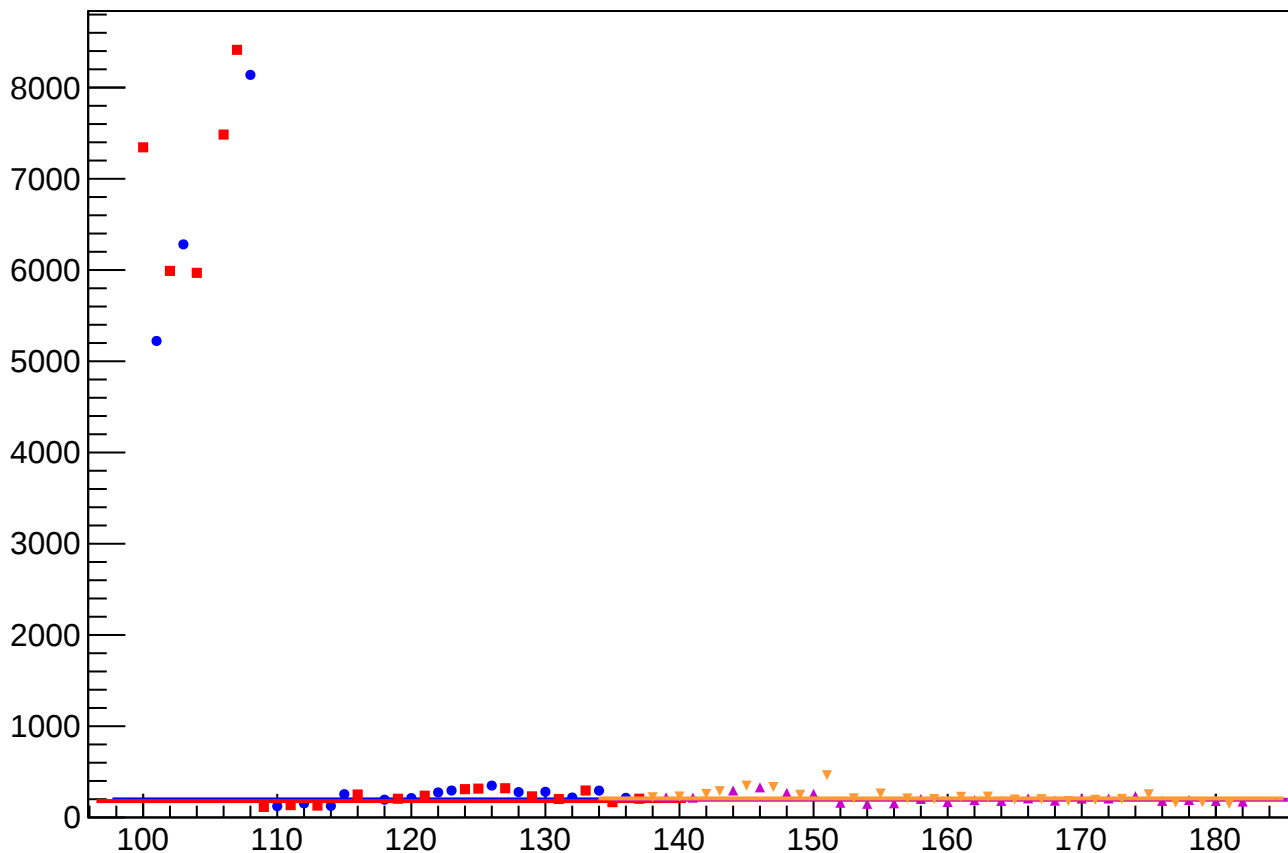
Right: 66.173+/-62.272 χ^2/NDF : 26.4/35

In: 45.240+/-42.973 χ^2/NDF : 22.0/38

Out: -30.535+/-44.200 χ^2/NDF : 22.6/41

All: 8.418+/-30.811 χ^2/NDF : 46.1/80

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.646+/-0.065 χ^2/NDF : 3699445.6/16

Left Out: 208.647+/-0.037 χ^2/NDF :1813005.5/22

Right Out: 179.782+/-0.060 χ^2/NDF : 4315815.4/18

Left In: 194.270+/-0.034 χ^2/NDF :1163832.5/21

Left: 200.995+/-0.025 χ^2/NDF : 3058715.8/44

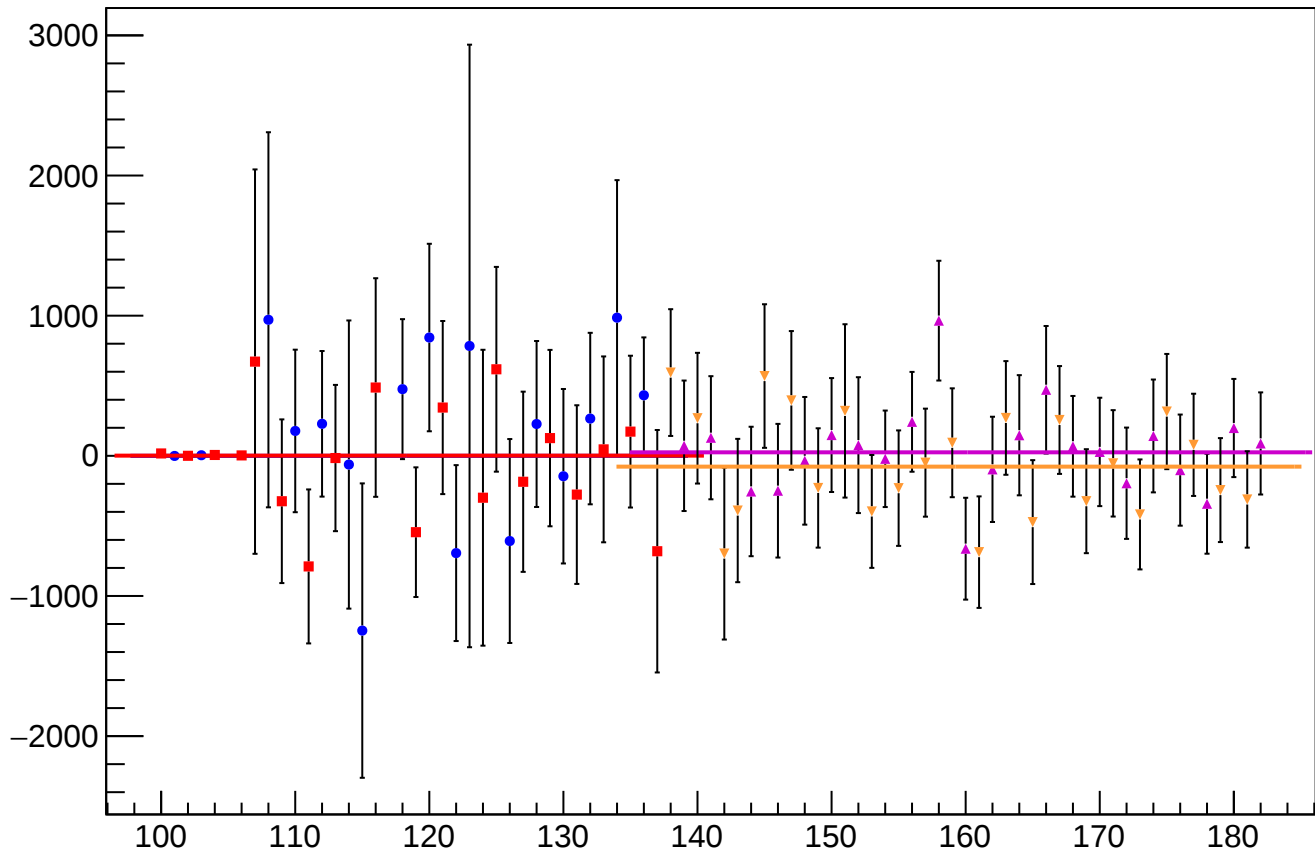
Right: 187.962+/-0.044 χ^2/NDF : 8056116.7/35

In: 195.006+/-0.030 χ^2/NDF :4865382.8/38

Out: 200.764+/-0.031 χ^2/NDF :6298162.6/41

All: 197.804+/-0.022 χ^2/NDF : 11180992.5/80

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.141 ± 1.737 χ^2/NDF : 10.1/16

Left Out: -77.149 ± 87.188 χ^2/NDF : 15.8/22

Right Out: 1.323 ± 1.623 χ^2/NDF : 9.3/18

Left In: 24.962 ± 85.247 χ^2/NDF : 12.7/21

Left: -24.945 ± 60.953 χ^2/NDF : 29.1/44

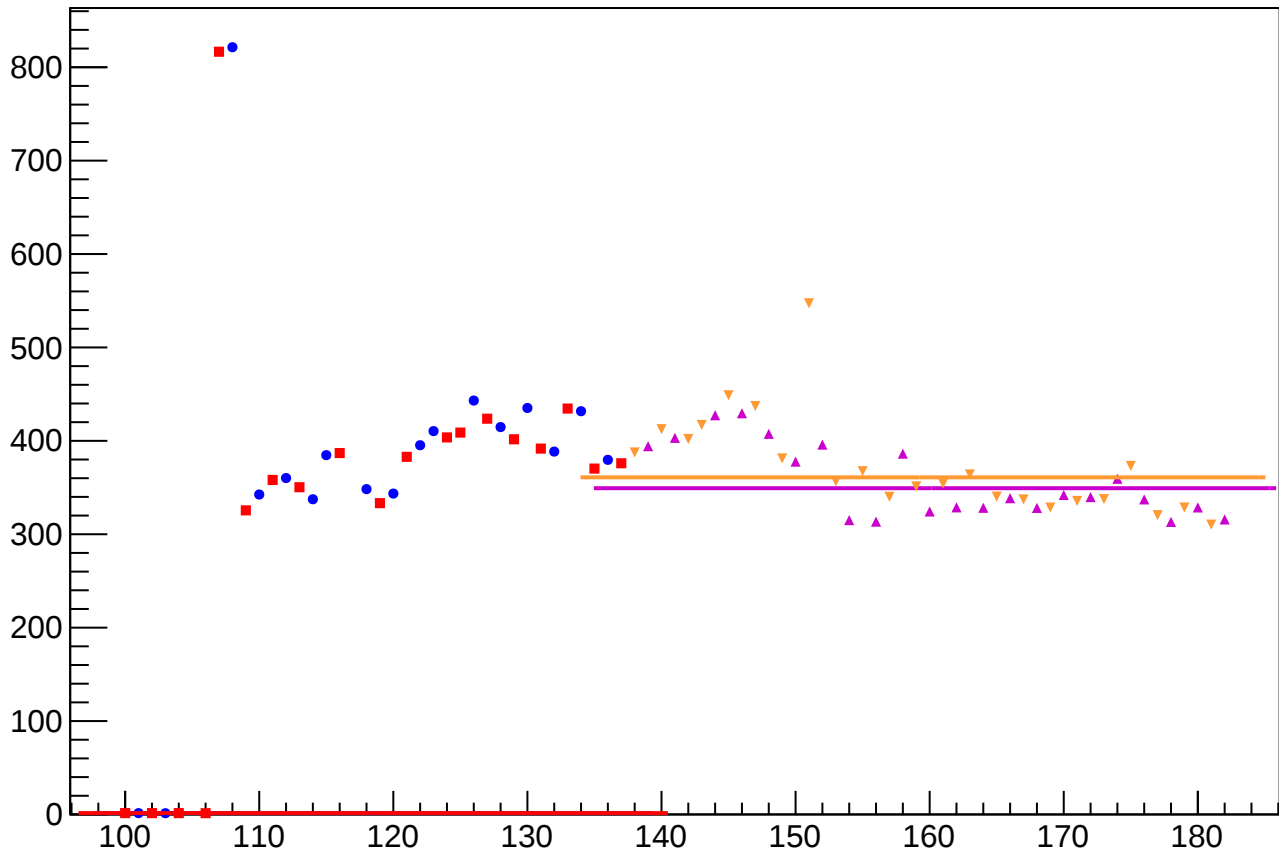
Right: 0.641 ± 1.186 χ^2/NDF : 19.8/35

In: -0.130 ± 1.736 χ^2/NDF : 22.9/38

Out: 1.296 ± 1.622 χ^2/NDF : 25.8/41

All: 0.631 ± 1.185 χ^2/NDF : 49.1/80

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452 $\pm$ 0.001 χ^2 /NDF: 10771707.1/16

Left Out: 360.926 $\pm$ 0.062 χ^2 /NDF:493449.3/22

Right Out: 1.451 $\pm$ 0.001 χ^2 /NDF: 10831648.9/18

Left In: 349.304 $\pm$ 0.060 χ^2 /NDF:355957.5/21

Left: 354.984 $\pm$ 0.043 χ^2 /NDF: 867574.1/44

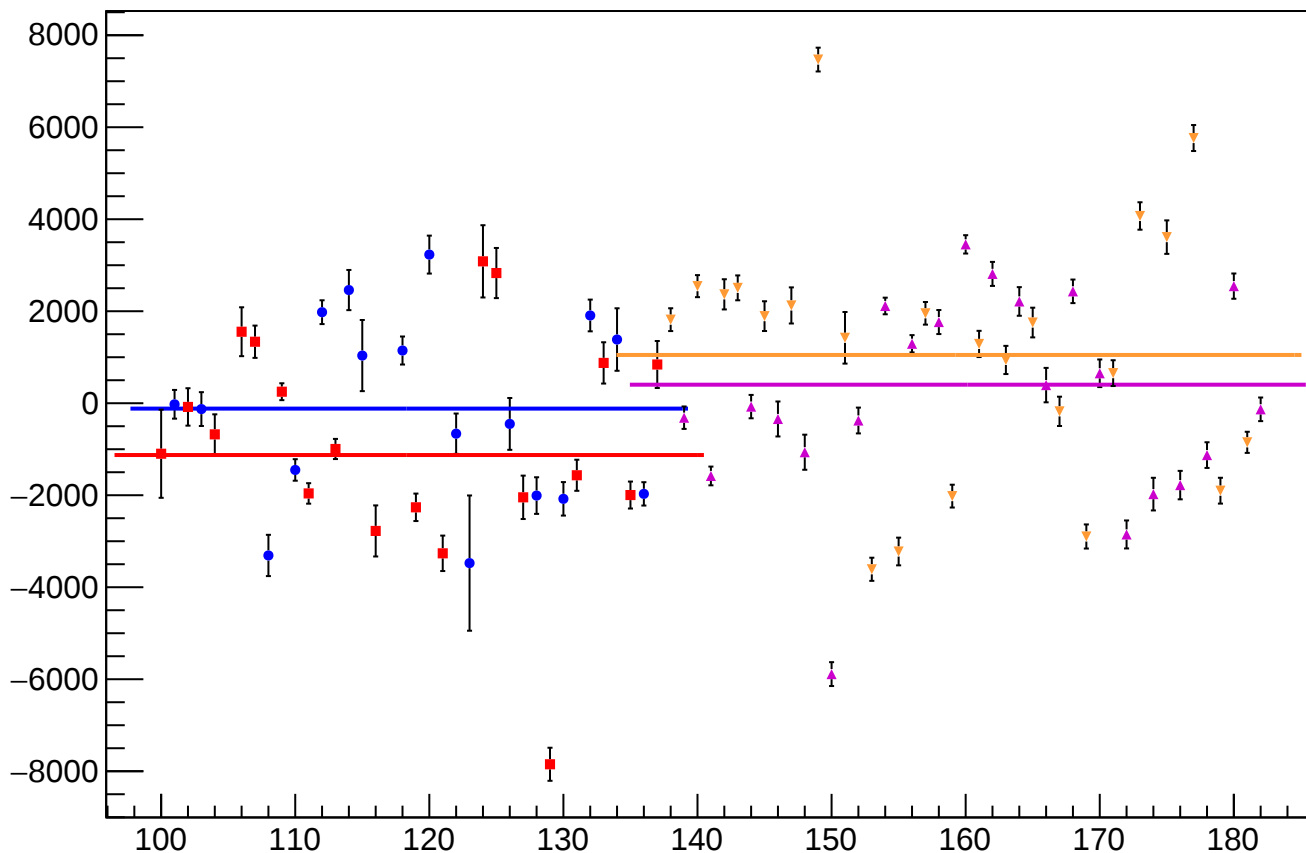
Right: 1.451 $\pm$ 0.001 χ^2 /NDF: 21603356.4/35

In: 1.596 $\pm$ 0.001 χ^2 /NDF:44415034.8/38

Out: 1.575 $\pm$ 0.001 χ^2 /NDF:45311610.9/41

All: 1.585 $\pm$ 0.001 χ^2 /NDF: 89726800.8/80

asym_bcm0l02_mean vs Slug, Sign Corrected



Left: 703.550 $\pm$ 40.533 χ^2/NDF : 3939.5/44

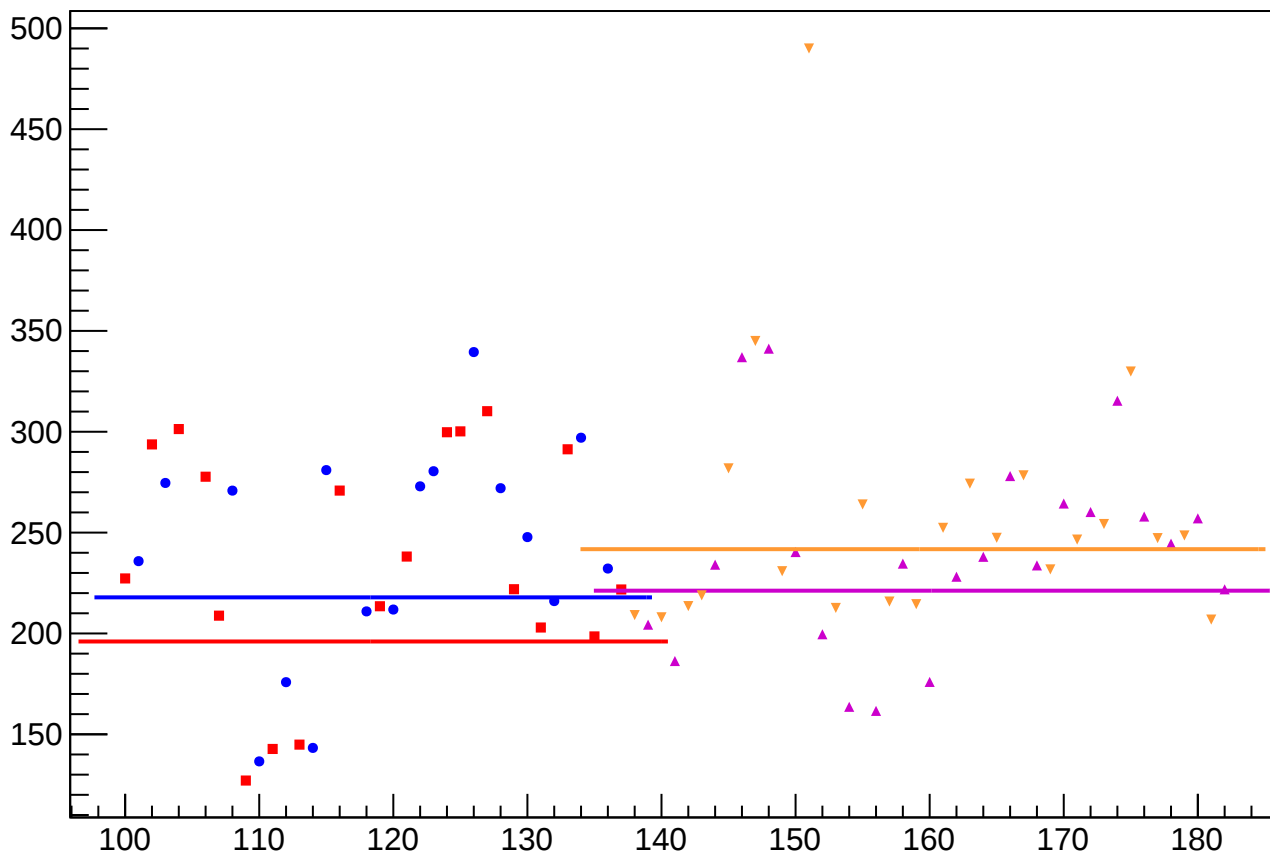
Right: -680.927 $\pm$ 58.658 χ^2/NDF : 1181.1/35

In: 256.143 $\pm$ 46.941 χ^2/NDF : 2027.2/38

Out: 256.086 $\pm$ 47.380 χ^2/NDF : 3470.5/41

All: 256.115 $\pm$ 33.346 χ^2/NDF : 5497.7/80

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.896 ± 0.062 χ^2/NDF : 661999.5/16

Left Out: 241.785 ± 0.042 χ^2/NDF : 976355.4/22

Right Out: 196.020 ± 0.055 χ^2/NDF : 1189250.9/18

Left In: 221.208 ± 0.039 χ^2/NDF : 1342470.5/21

Left: 230.777 ± 0.029 χ^2/NDF : 2447044.8/44

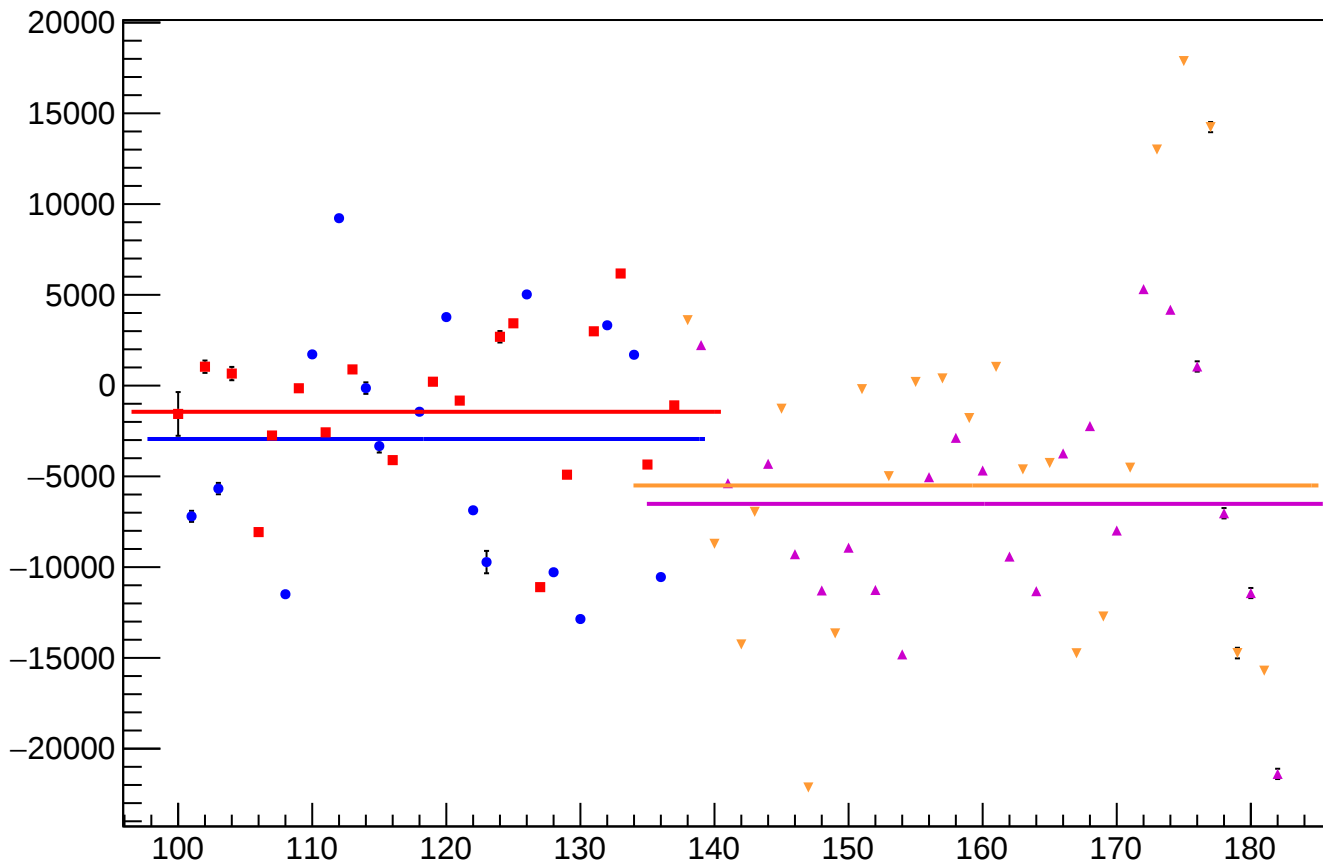
Right: 205.670 ± 0.041 χ^2/NDF : 1919826.3/35

In: 220.273 ± 0.033 χ^2/NDF : 2006488.6/38

Out: 225.097 ± 0.034 χ^2/NDF : 2597904.4/41

All: 222.663 ± 0.024 χ^2/NDF : 4614859.4/80

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2940.841 ± 48.696 $\chi^2/\text{NDF}: 20909.3/16$

Left Out: -5501.042 ± 36.343 $\chi^2/\text{NDF}: 60145.5/22$

Right Out: -1442.426 ± 46.381 $\chi^2/\text{NDF}: 8011.4/18$

Left In: -6514.745 ± 37.277 $\chi^2/\text{NDF}: 20248.1/21$

Left: -5995.043 ± 26.022 $\chi^2/\text{NDF}: 80772.7/44$

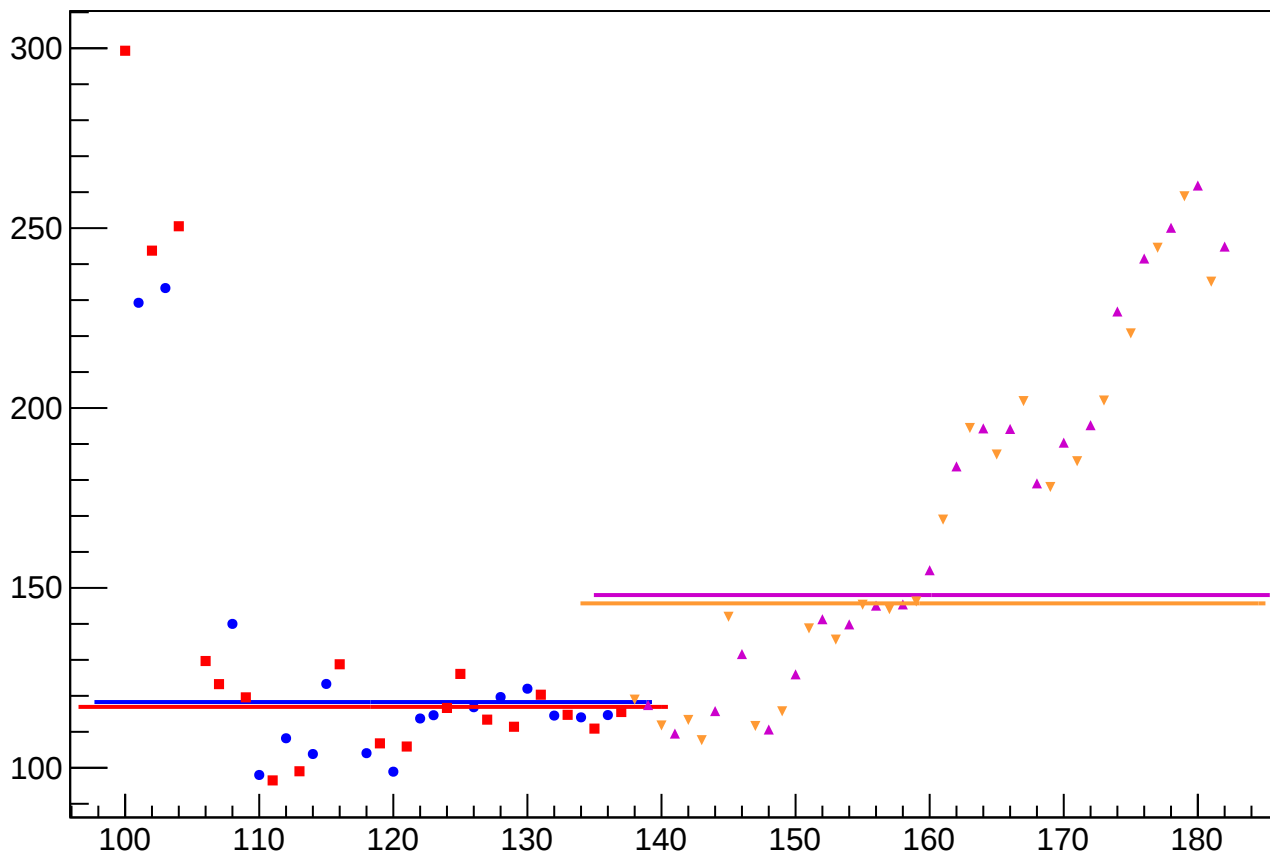
Right: -2155.167 ± 33.585 $\chi^2/\text{NDF}: 29417.2/35$

In: -5194.287 ± 29.600 $\chi^2/\text{NDF}: 44553.6/38$

Out: -3957.074 ± 28.607 $\chi^2/\text{NDF}: 72901.1/41$

All: -4554.585 ± 20.570 $\chi^2/\text{NDF}: 118358.1/8$

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.278 $\pm$ 0.034 χ^2 /NDF: 637027.4/16

Left Out: 145.703 $\pm$ 0.026 χ^2 /NDF:2217763.8/22

Right Out: 116.929 $\pm$ 0.033 χ^2 /NDF: 689591.4/18

Left In: 148.015 $\pm$ 0.026 χ^2 /NDF:2324839.2/21

Left: 146.830 $\pm$ 0.018 χ^2 /NDF: 4546546.4/44

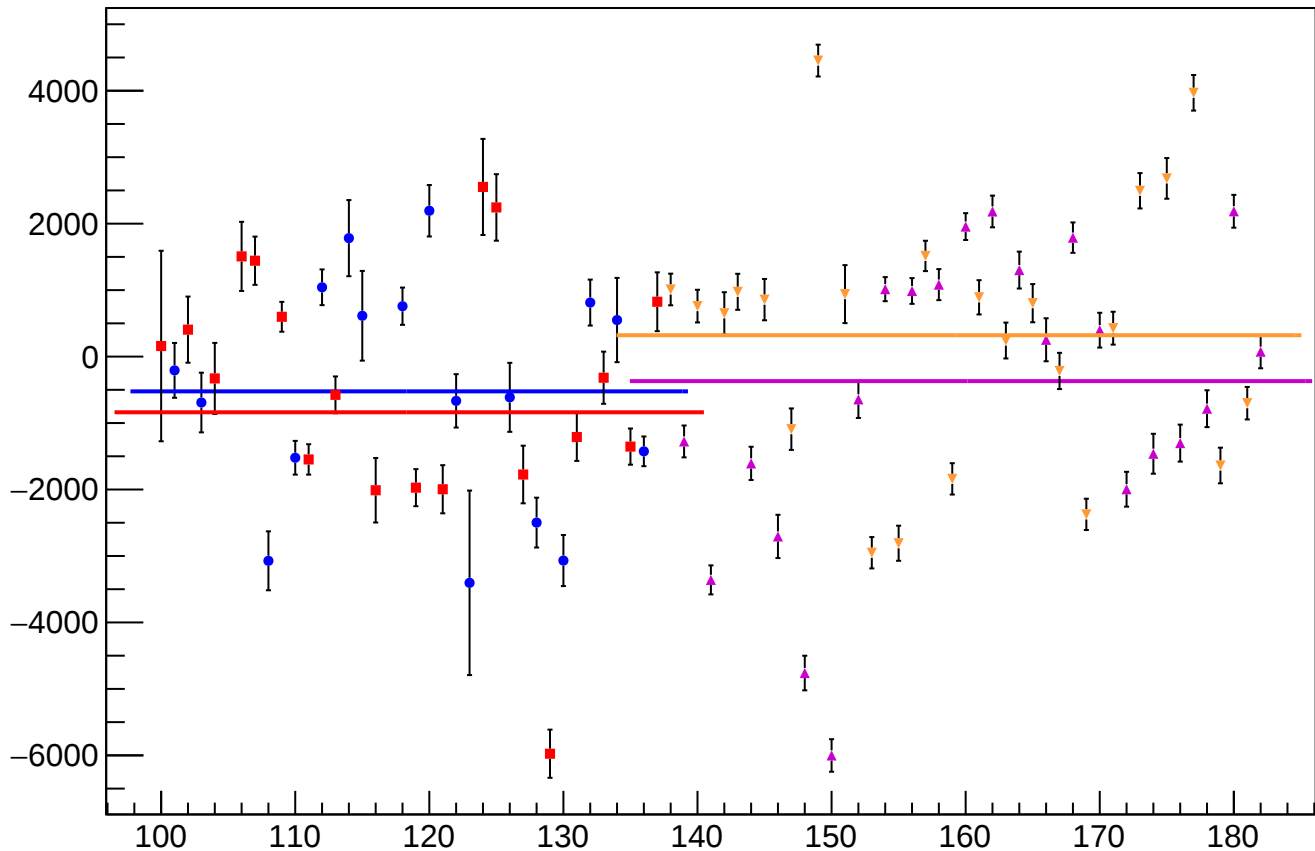
Right: 117.571 $\pm$ 0.024 χ^2 /NDF: 1327423.4/35

In: 137.028 $\pm$ 0.021 χ^2 /NDF:3432121.1/38

Out: 134.757 $\pm$ 0.020 χ^2 /NDF:3384277.6/41

All: 135.854 $\pm$ 0.015 χ^2 /NDF: 6822485.3/80

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -523.148 $\pm$ 89.404 χ^2/NDF : 282.6/16

Left Out: 321.316 $\pm$ 55.159 χ^2/NDF :1312.0/22

Right Out: -837.989 $\pm$ 82.263 χ^2/NDF : 437.6/18

Left In: -368.780 $\pm$ 52.302 χ^2/NDF :1797.5/21

Left: -42.072 $\pm$ 37.953 χ^2/NDF : 3191.9/44

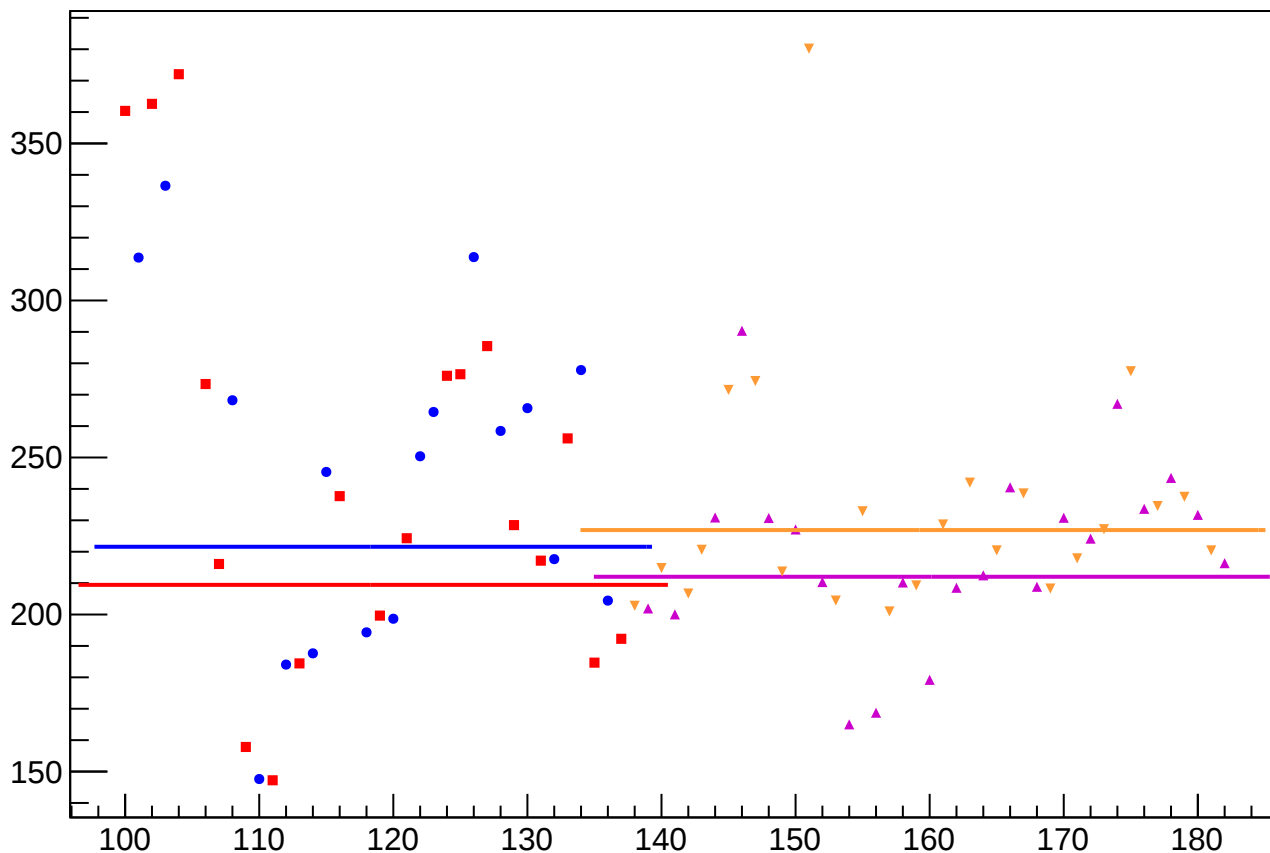
Right: -693.643 $\pm$ 60.536 χ^2/NDF : 726.9/35

In: -408.139 $\pm$ 45.144 χ^2/NDF :2082.3/38

Out: -38.252 $\pm$ 45.814 χ^2/NDF :1886.6/41

All: -225.918 $\pm$ 32.156 χ^2/NDF : 4002.0/80

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.577 $\pm$ 0.063 χ^2 /NDF: 645771.3/16

Left Out: 226.892 $\pm$ 0.039 χ^2 /NDF: 517983.9/22

Right Out: 209.447 $\pm$ 0.058 χ^2 /NDF: 879299.7/18

Left In: 212.028 $\pm$ 0.037 χ^2 /NDF: 591053.1/21

Left: 219.065 $\pm$ 0.027 χ^2 /NDF: 1185512.4/44

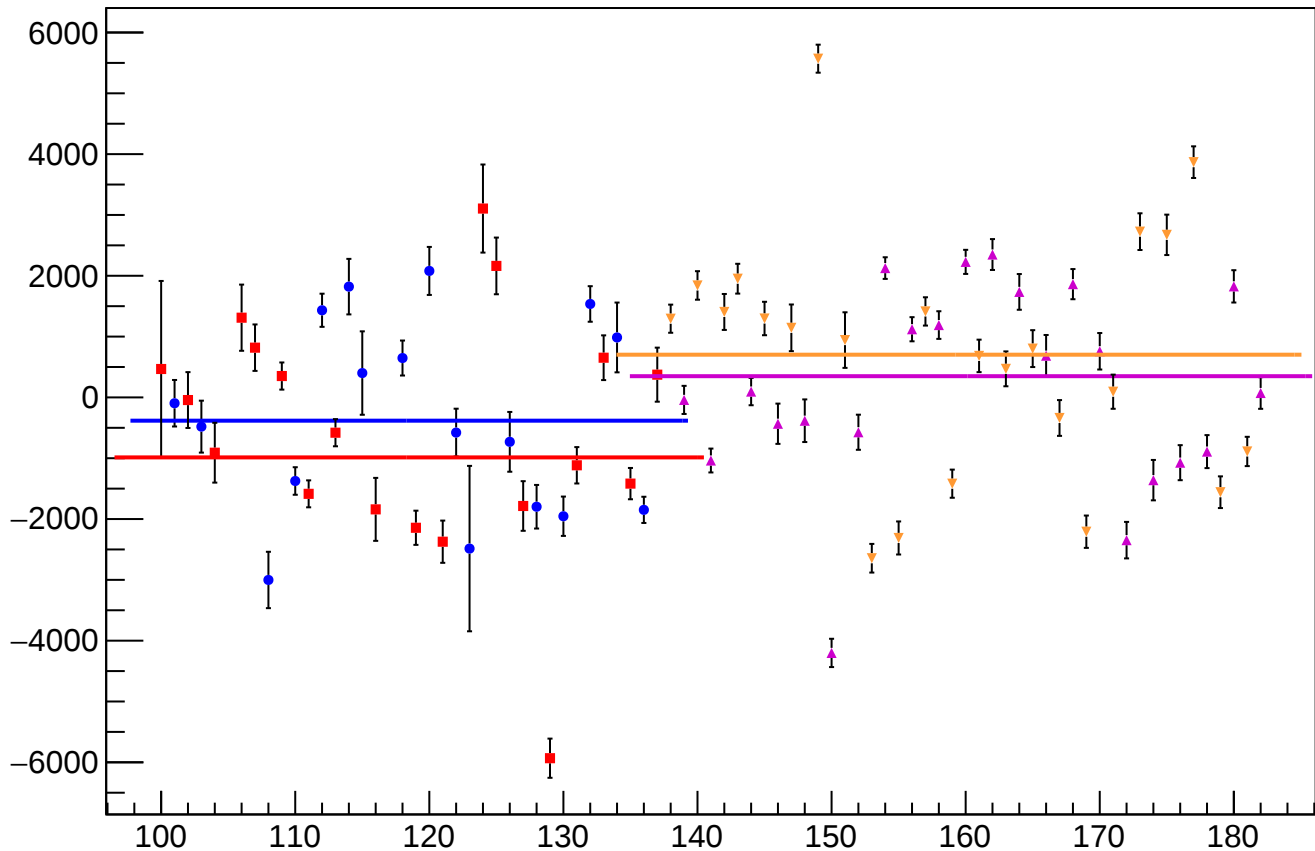
Right: 215.008 $\pm$ 0.043 χ^2 /NDF: 1545008.7/35

In: 214.463 $\pm$ 0.032 χ^2 /NDF: 1253825.1/38

Out: 221.481 $\pm$ 0.032 χ^2 /NDF: 1459326.7/41

All: 217.920 $\pm$ 0.023 χ^2 /NDF: 2736966.7/80

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -382.695 ± 84.465 χ^2/NDF : 309.9/16

Left Out: 702.281 ± 55.941 χ^2/NDF : 1417.5/22

Right Out: -986.495 ± 77.694 χ^2/NDF : 476.9/18

Left In: 348.913 ± 53.299 χ^2/NDF : 984.5/21

Left: 517.057 ± 38.588 χ^2/NDF : 2423.0/44

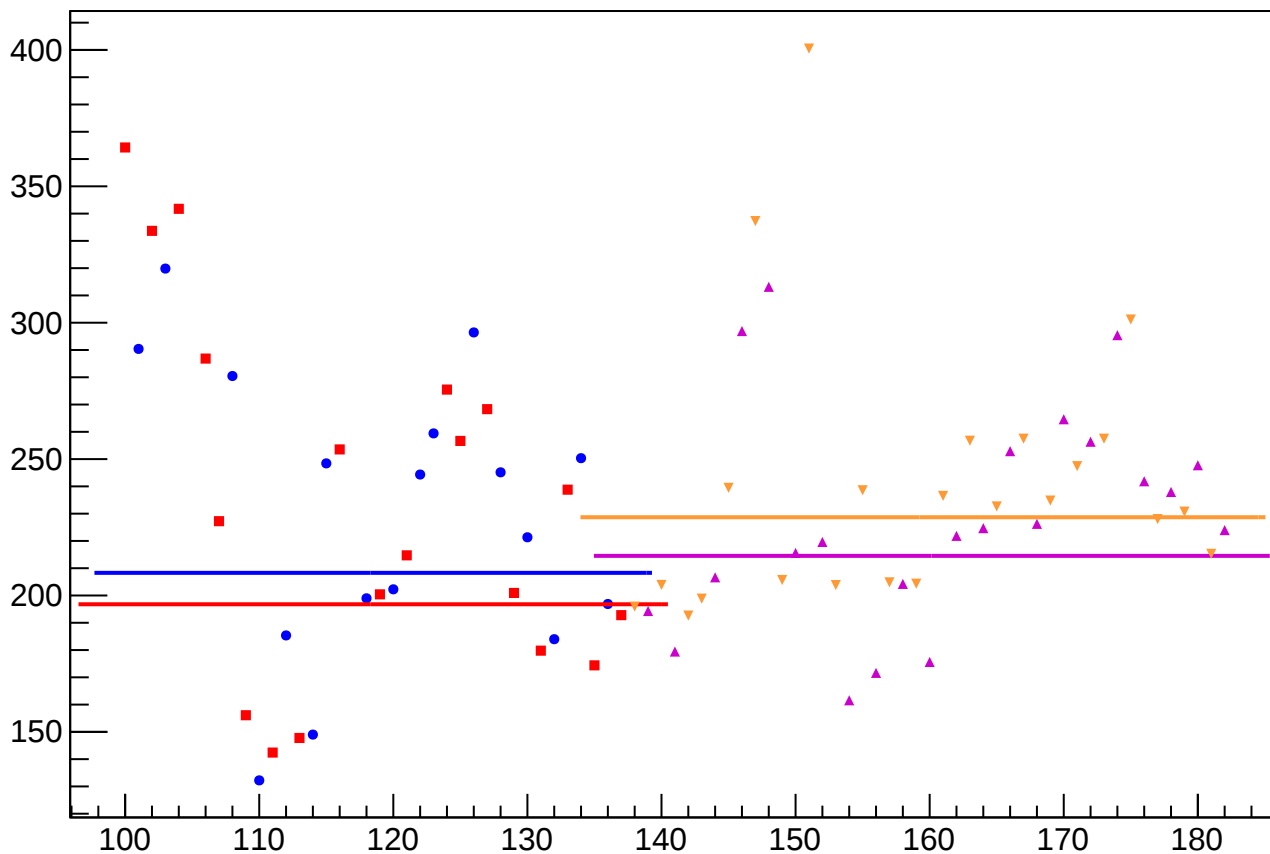
Right: -709.764 ± 57.182 χ^2/NDF : 814.5/35

In: 140.561 ± 45.075 χ^2/NDF : 1348.1/38

Out: 125.700 ± 45.398 χ^2/NDF : 2205.6/41

All: 133.183 ± 31.986 χ^2/NDF : 3553.7/80

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.304+/-0.060 χ^2/NDF : 698771.8/16

Left Out: 228.685+/-0.040 χ^2/NDF : 825933.7/22

Right Out: 196.782+/-0.055 χ^2/NDF : 925153.1/18

Left In: 214.529+/-0.038 χ^2/NDF : 1030854.5/21

Left: 221.265+/-0.027 χ^2/NDF : 1923924.5/44

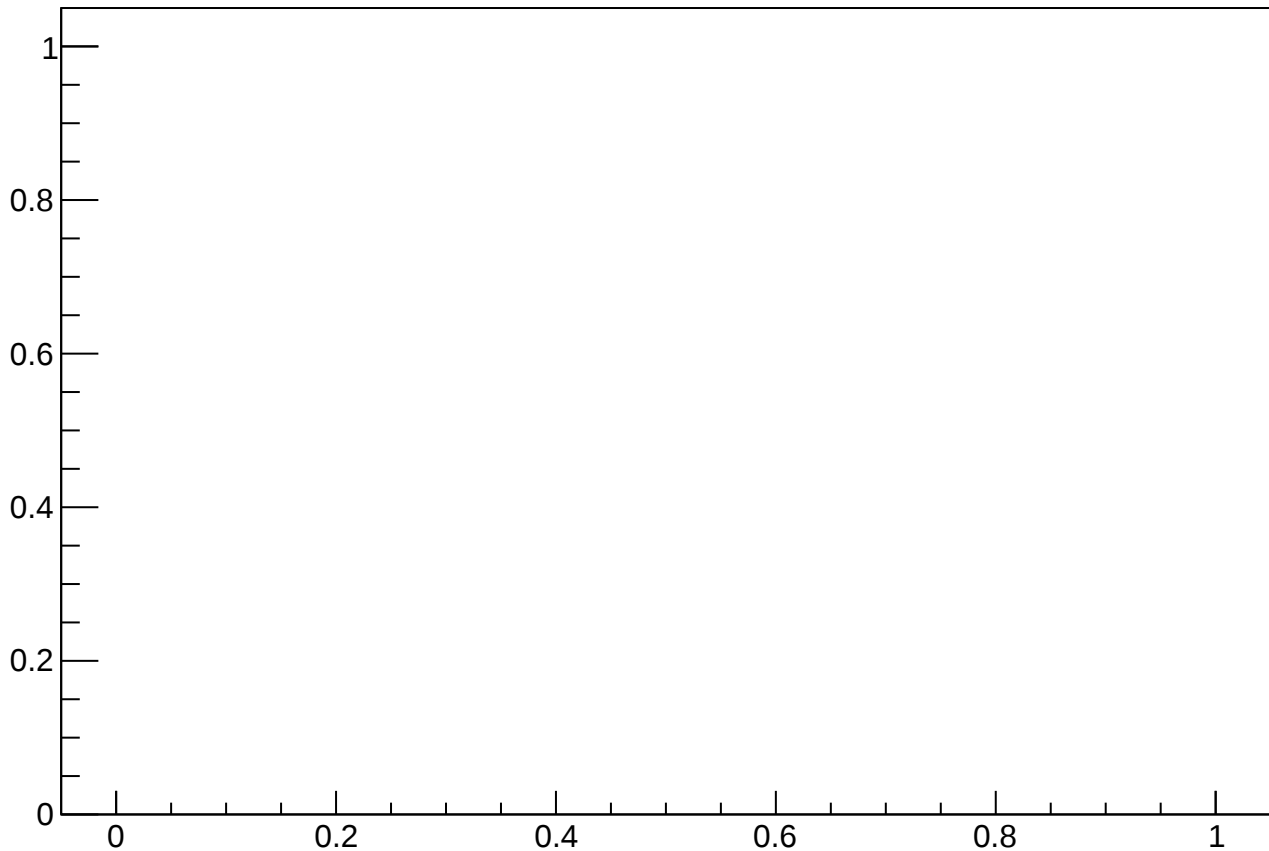
Right: 202.062+/-0.040 χ^2/NDF : 1644084.4/35

In: 212.756+/-0.032 χ^2/NDF : 1737395.9/38

Out: 217.793+/-0.032 χ^2/NDF : 1973184.5/41

All: 215.257+/-0.023 χ^2/NDF : 3722977.8/80

bcm_an_us_ds_dd_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

bcm_an_us_ds_dd_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

bcm_dg_us_dg_ds_dd_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

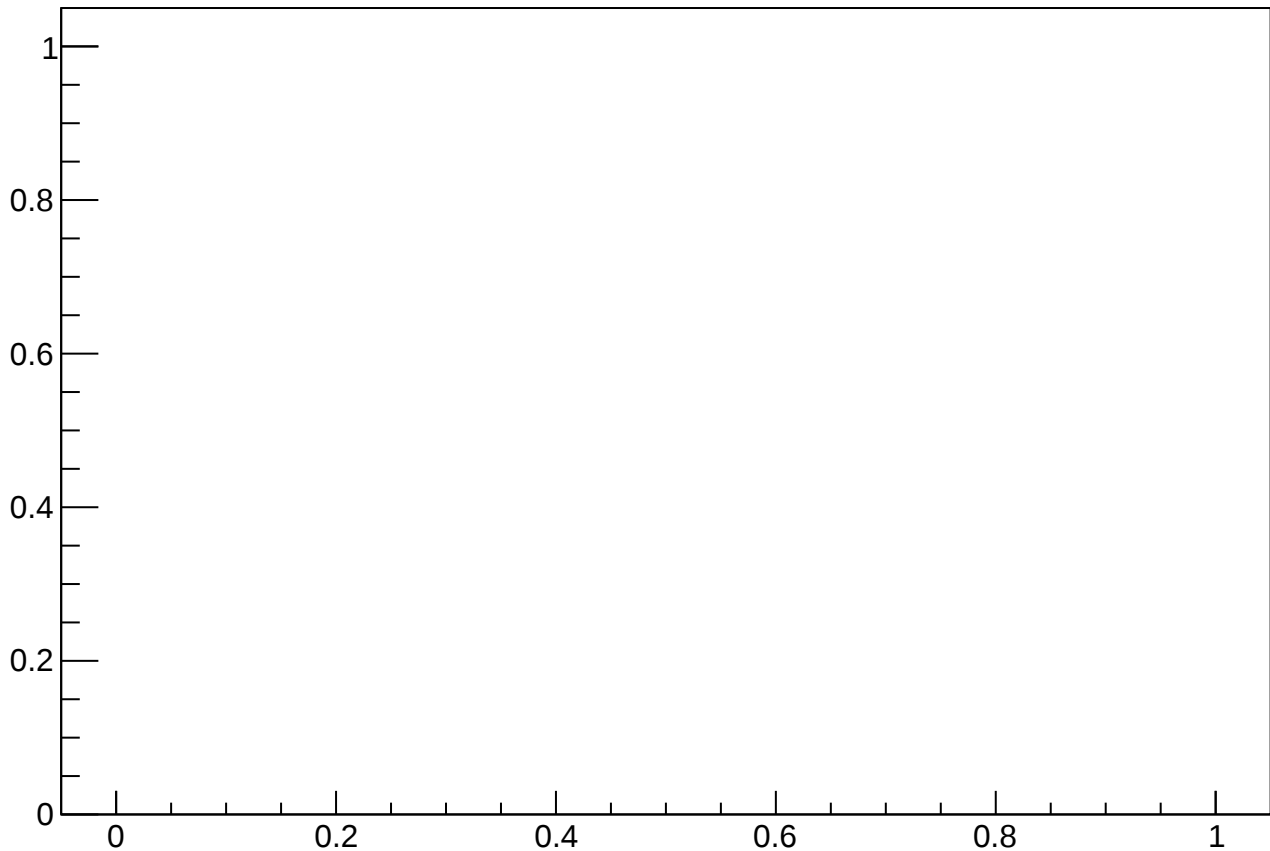
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

bcm_dg_us_dg_ds_dd_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

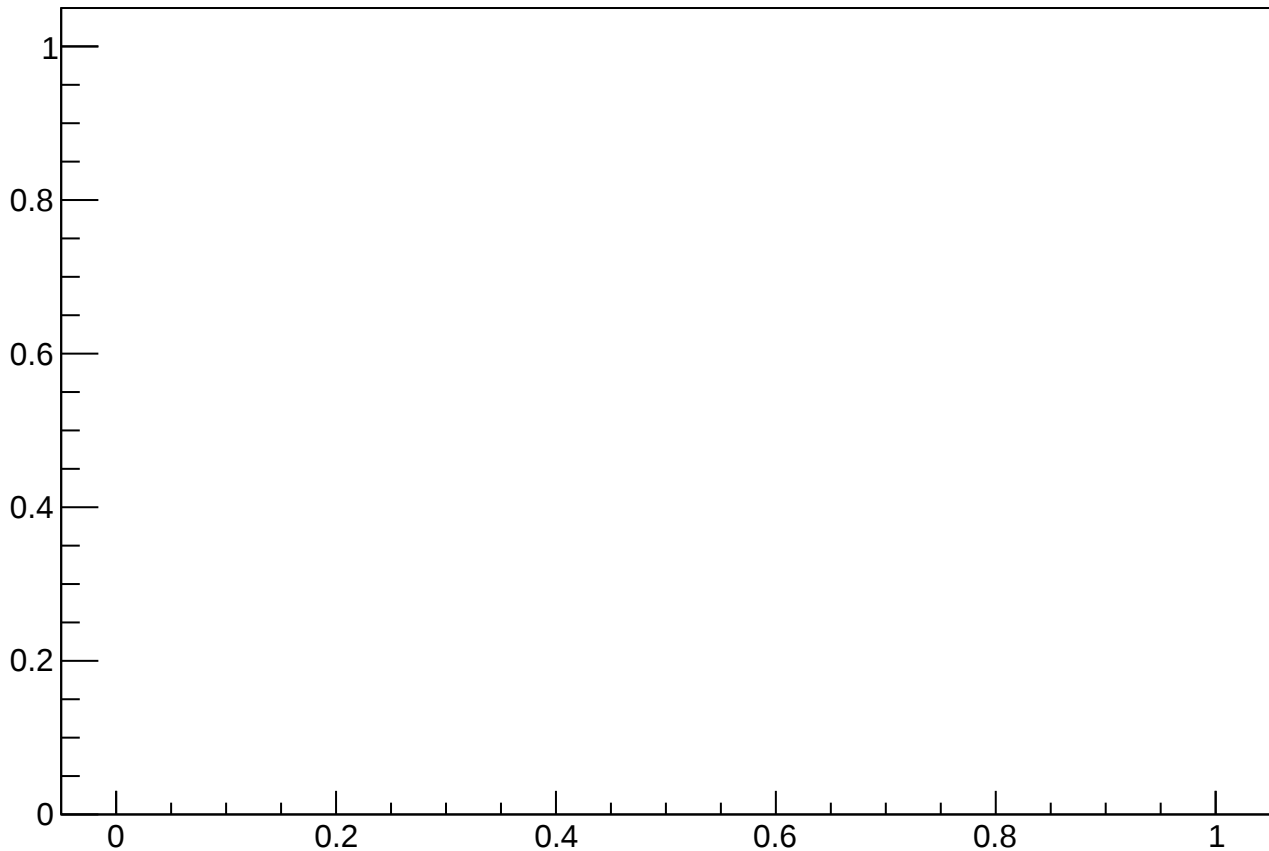
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

bcm_dg_us_ds_dd_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

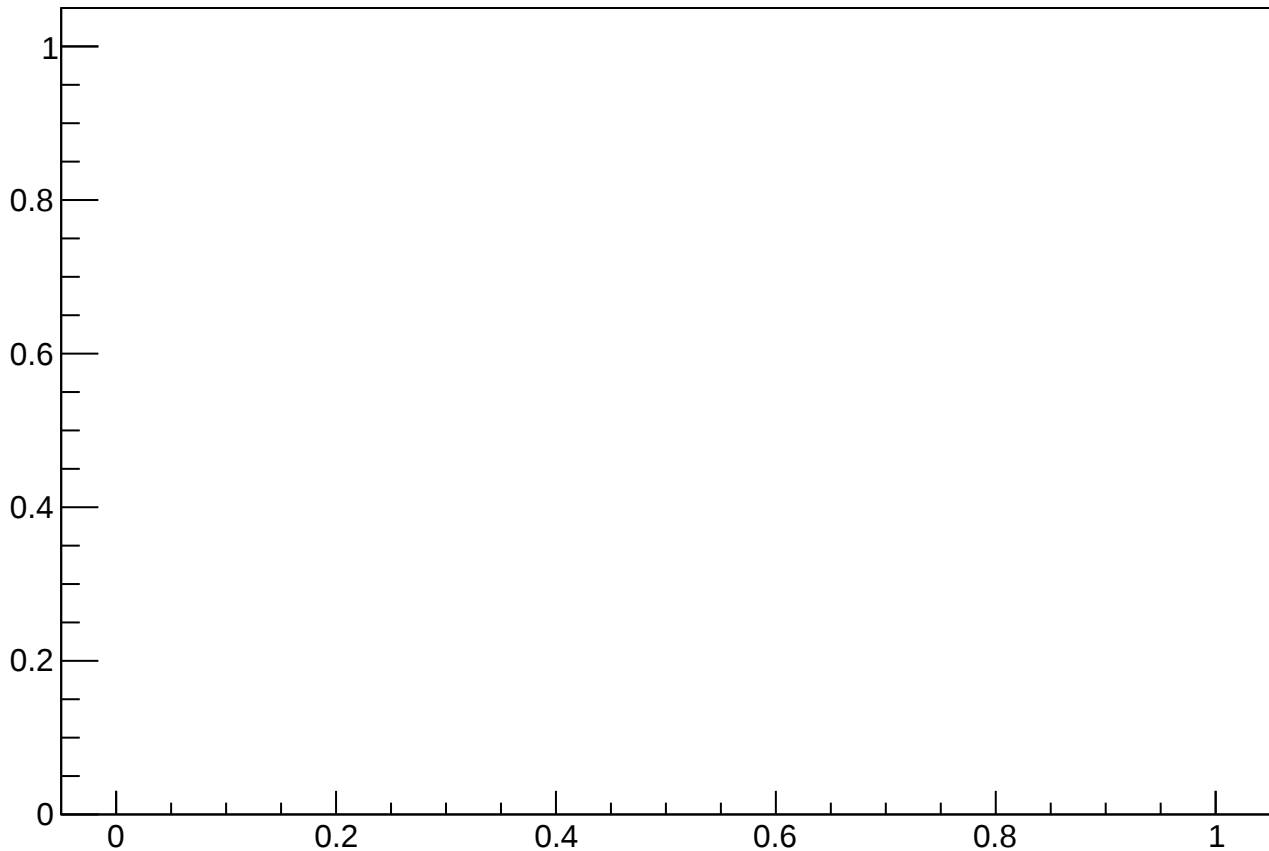
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

bcm_dg_us_ds_dd_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

bcm_dg_ds_ds_dd_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

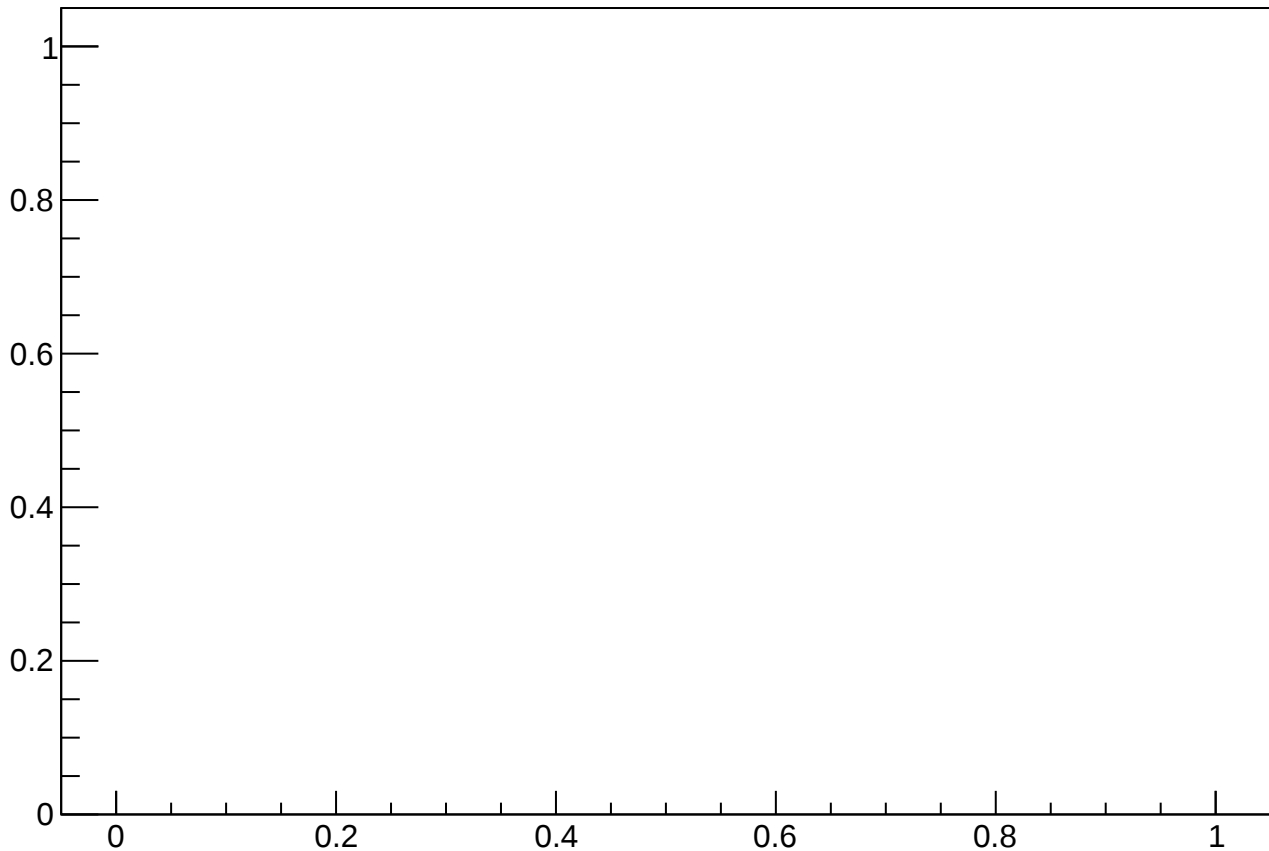
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

bcm_dg_ds_ds_dd_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

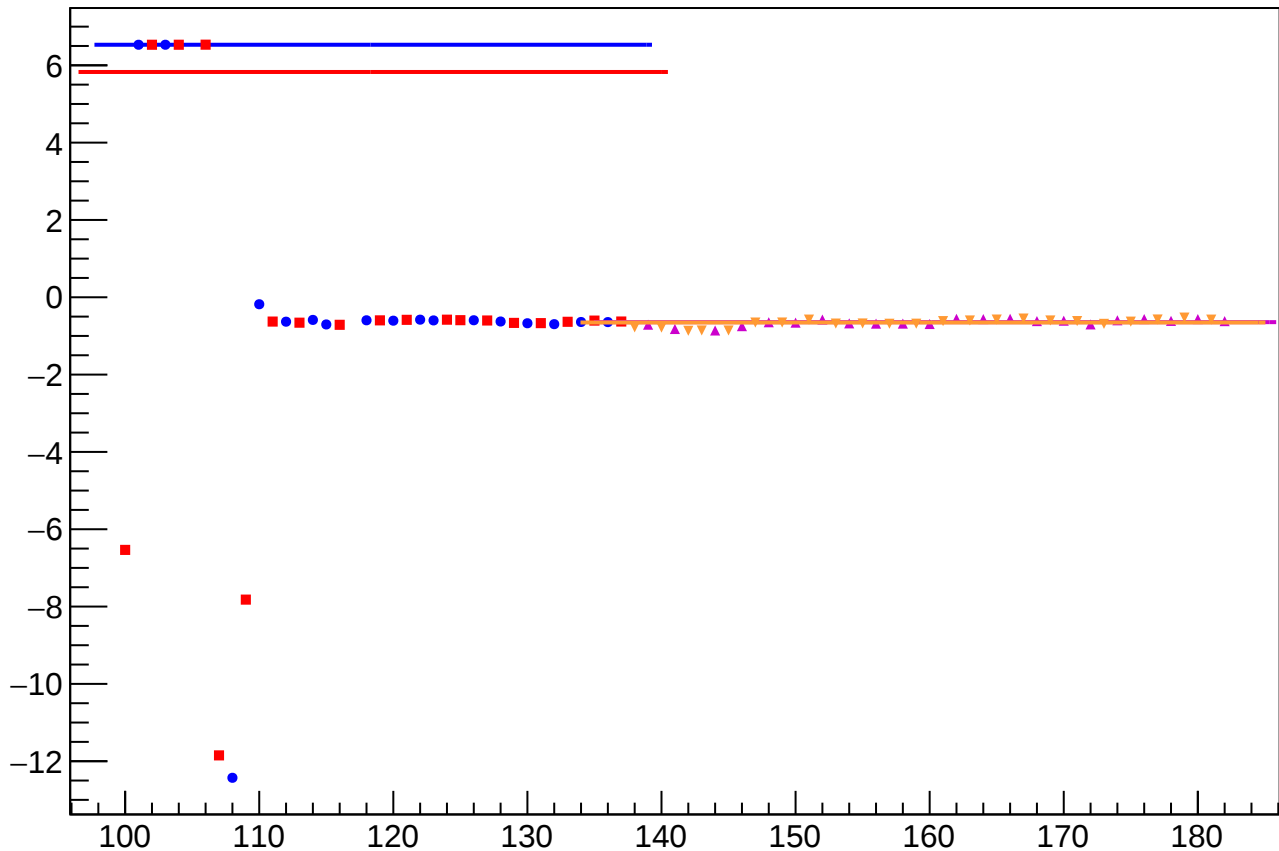
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127601781164.3/16

Left Out: -0.652 $\pm$ 0.000 χ^2 /NDF: 170936107.6/22

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755961890470183.5/18

Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123634798.0/21

Left: -0.648 $\pm$ 0.000 χ^2 /NDF: 295211947.7/44

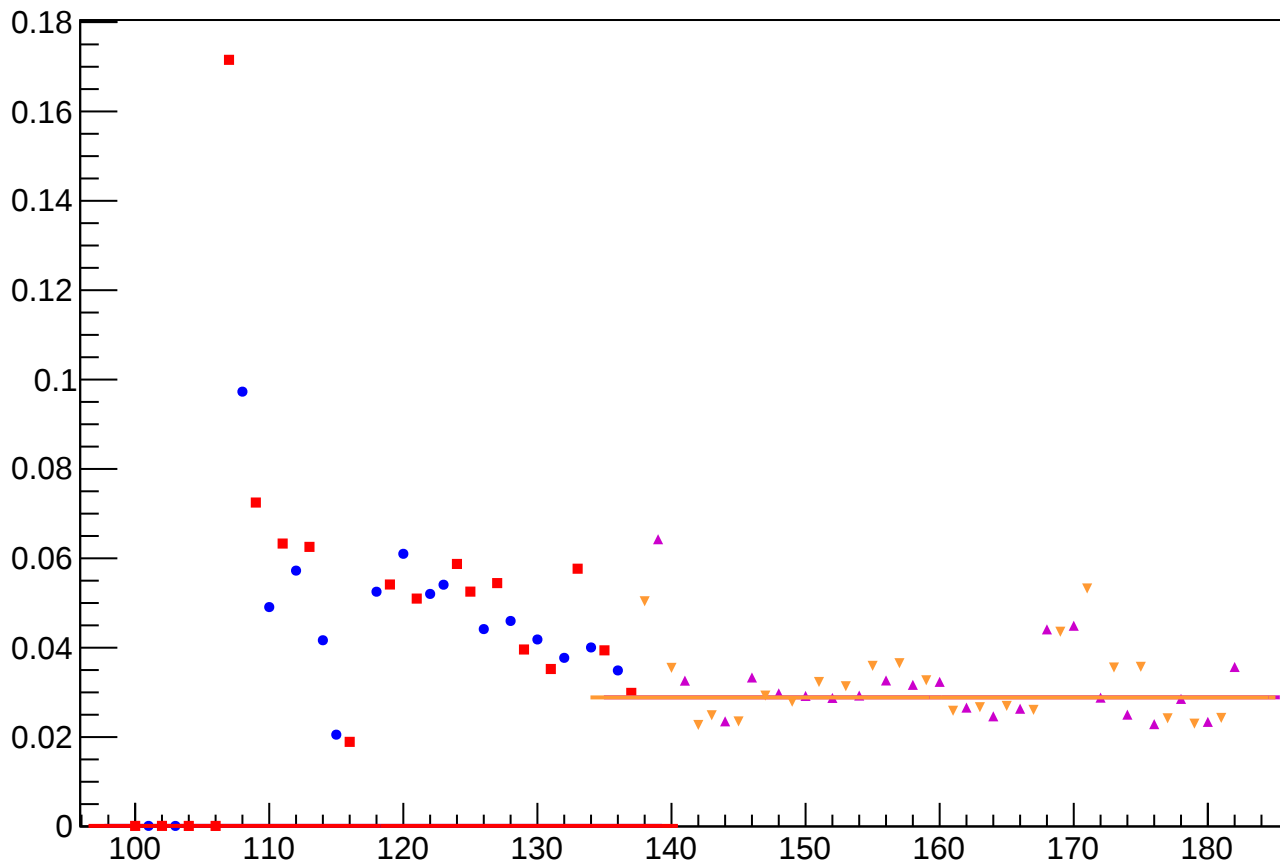
Right: 6.155 $\pm$ 0.000 χ^2 /NDF: 776093455060698.6/44

In: 6.530 $\pm$ 0.000 χ^2 /NDF: 953539730632.8/38

Out: 5.826 $\pm$ 0.000 χ^2 /NDF: 756648389964833.6/44

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 7775925109283.6/88

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8848188.8/16

Left Out: 0.029+/-0.000 χ^2/NDF :1296111.1/22

Right Out: 0.000+/-0.000 χ^2/NDF : 9323542.7/18

Left In: 0.029+/-0.000 χ^2/NDF :1185212.6/21

Left: 0.029+/-0.000 χ^2/NDF : 2481330.0/44

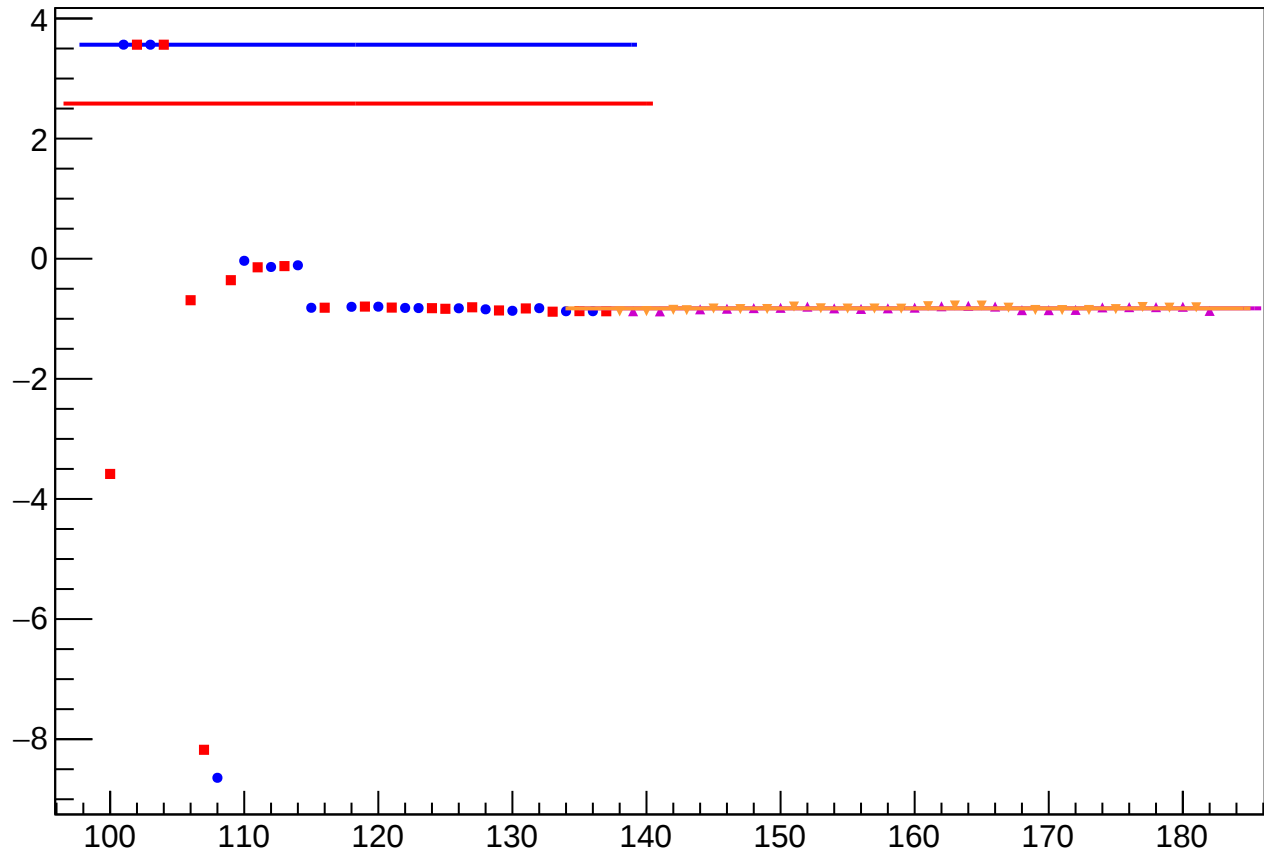
Right: 0.000+/-0.000 χ^2/NDF : 18171979.8/35

In: 0.000+/-0.000 χ^2/NDF :36588592.2/38

Out: 0.000+/-0.000 χ^2/NDF :37645872.9/41

All: 0.000+/-0.000 χ^2/NDF : 74234954.0/80

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 480140963917.5/16

Left Out: -0.826+/-0.000 χ^2/NDF : 161925732.6/22

Right Out: 2.583+/-0.000 χ^2/NDF : 1253501370113259.5/18

Left In: -0.826+/-0.000 χ^2/NDF : 168487707.2/21

Left: -0.826+/-0.000 χ^2/NDF : 330417112.6/44

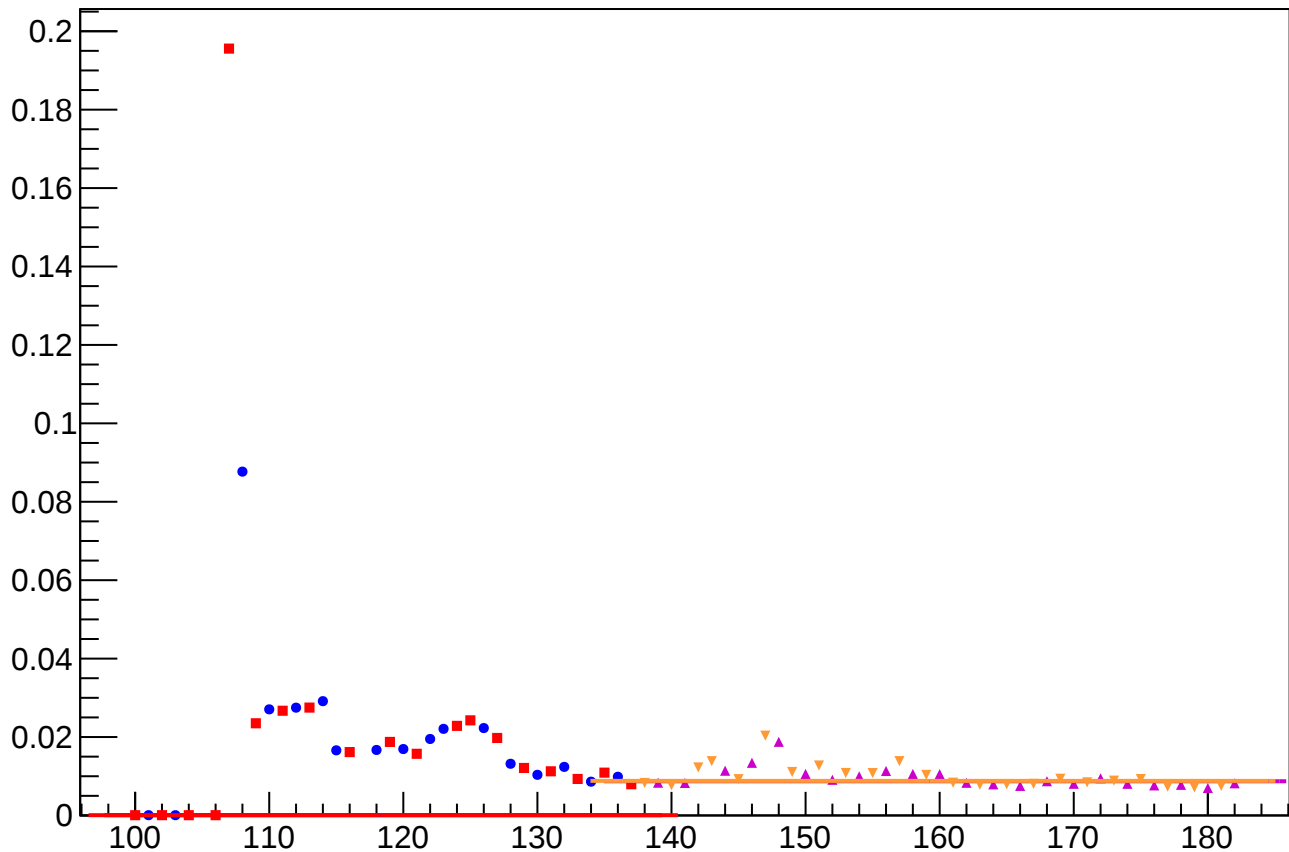
Right: 3.040+/-0.000 χ^2/NDF : 1382252614228541.1

In: 3.560+/-0.000 χ^2/NDF : 4116973255506.8/38

Out: 2.581+/-0.000 χ^2/NDF : 1255662480728685.0

All: 3.038+/-0.000 χ^2/NDF : 13878536265263

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000 +/- 0.000 χ^2/NDF : 9686061.1/16

Left Out: 0.009 +/- 0.000 χ^2/NDF : 1321991.9/22

Right Out: 0.000 +/- 0.000 χ^2/NDF : 9818933.2/18

Left In: 0.009 +/- 0.000 χ^2/NDF : 1025144.2/21

Left: 0.009 +/- 0.000 χ^2/NDF : 2348881.4/44

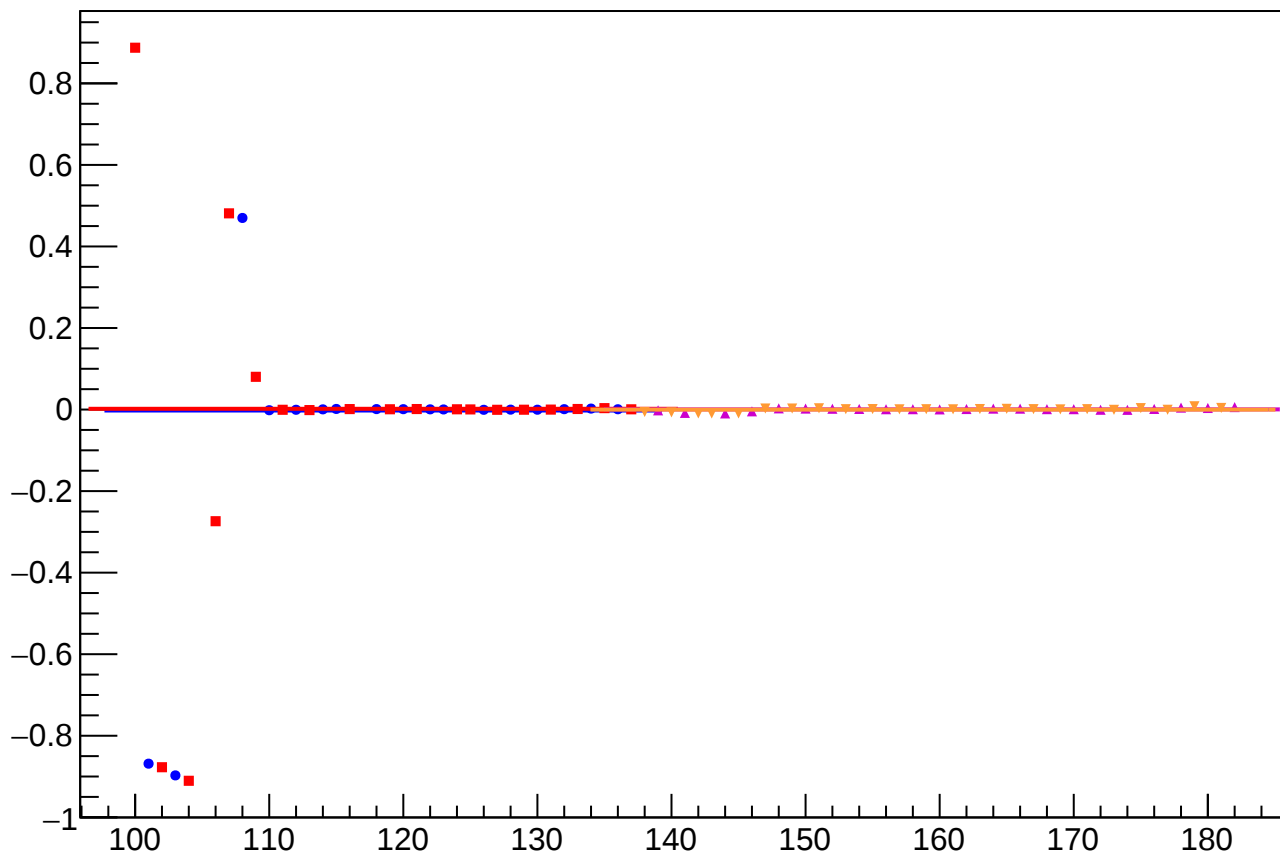
Right: 0.000 +/- 0.000 χ^2/NDF : 19505268.5/35

In: 0.000 +/- 0.000 χ^2/NDF : 38982796.1/38

Out: 0.000 +/- 0.000 χ^2/NDF : 39612357.0/41

All: 0.000 +/- 0.000 χ^2/NDF : 78596078.9/80

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002 ± 0.000 $\chi^2/\text{NDF}: 9794882359.1/16$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 138947769.0/22$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3041319636.1/18$

Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 93163976.7/21$

Left: 0.000 ± 0.000 $\chi^2/\text{NDF}: 233186760.3/44$

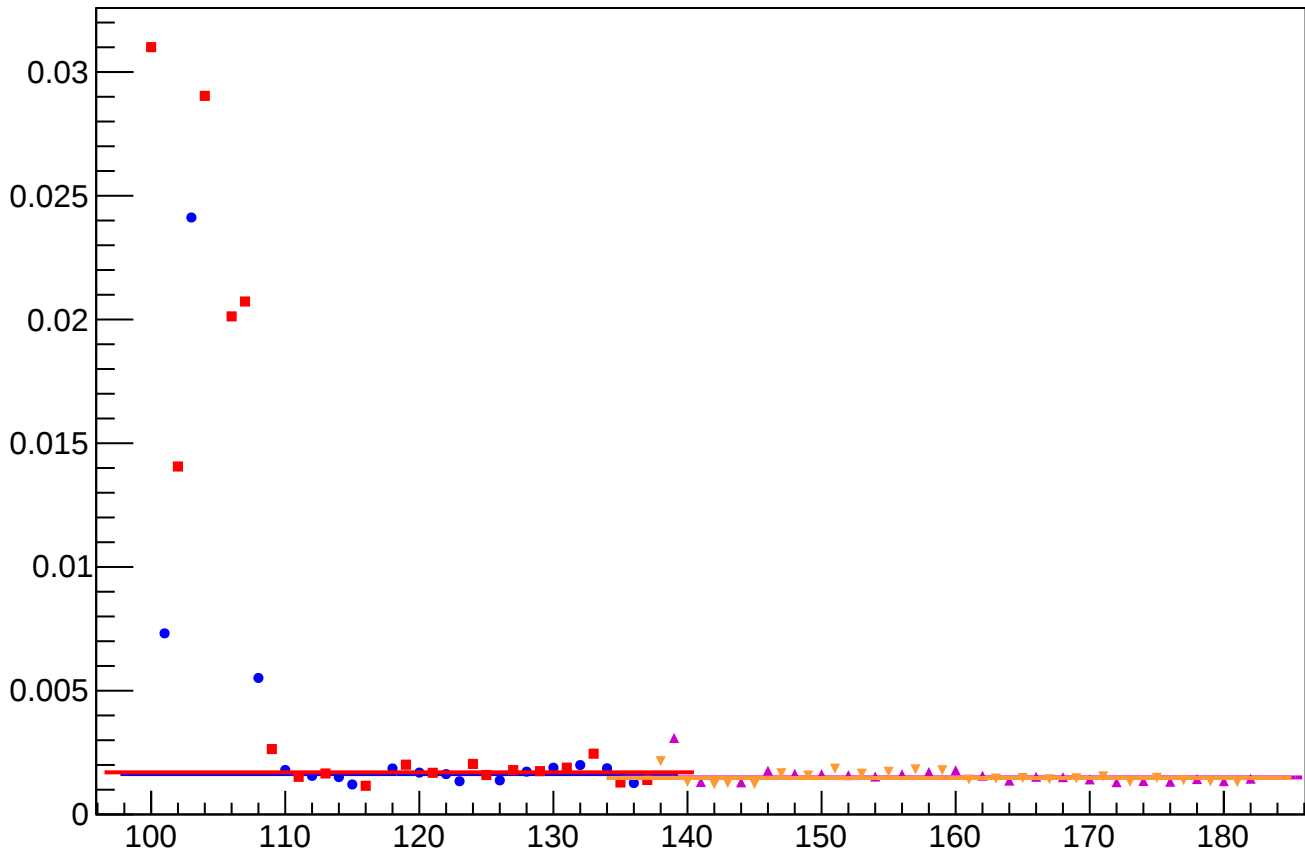
Right: -0.000 ± 0.000 $\chi^2/\text{NDF}: 12850347199.6/35$

In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 9898214699.0/38$

Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 3185275970.7/41$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13084102051.6/80$

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 1921590.0/16

Left Out: 0.001+/-0.000 χ^2/NDF : 508078.7/22

Right Out: 0.002+/-0.000 χ^2/NDF : 3023068.5/18

Left In: 0.001+/-0.000 χ^2/NDF : 655532.5/21

Left: 0.001+/-0.000 χ^2/NDF : 1167154.1/44

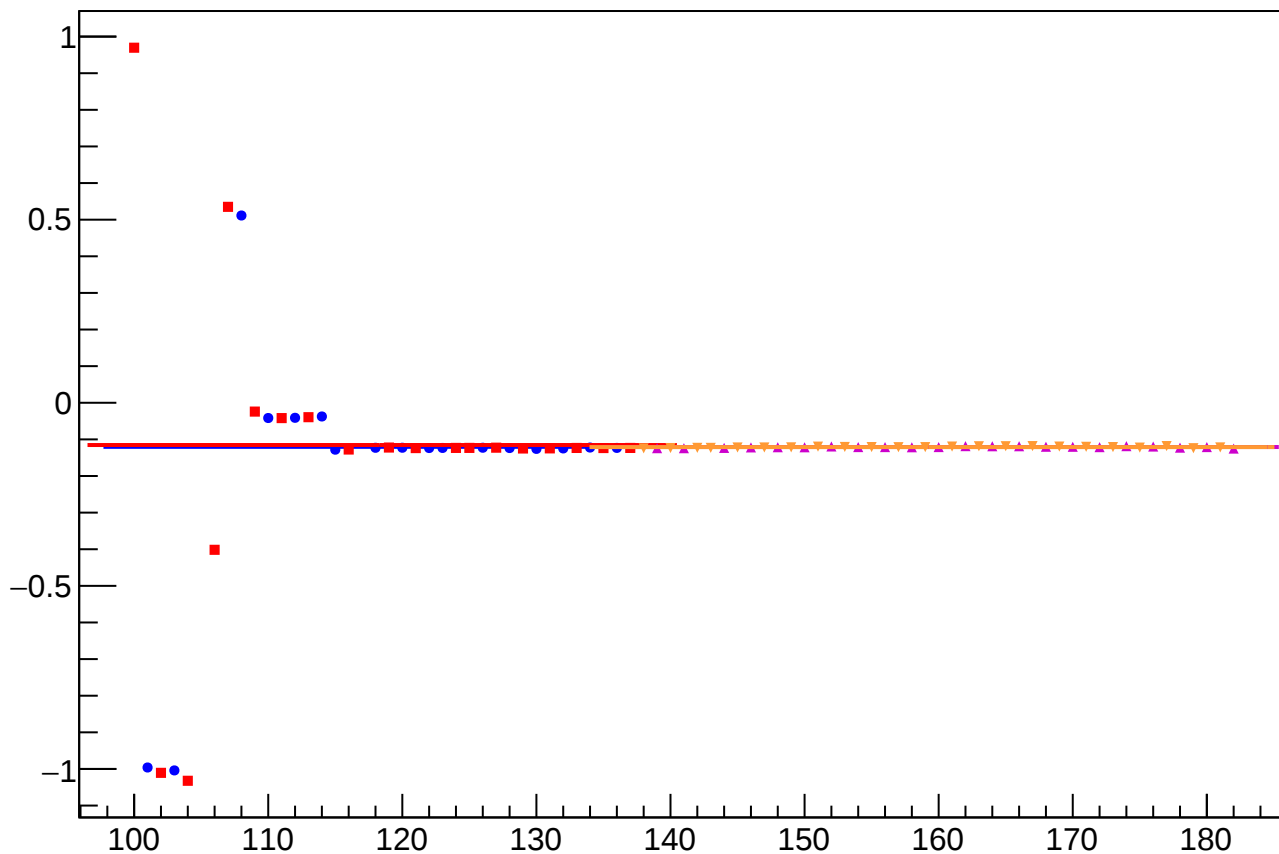
Right: 0.002+/-0.000 χ^2/NDF : 4952487.9/35

In: 0.002+/-0.000 χ^2/NDF : 2626055.3/38

Out: 0.002+/-0.000 χ^2/NDF : 3661909.9/41

All: 0.002+/-0.000 χ^2/NDF : 6288566.6/80

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000

χ^2/NDF : 3932599788.9/16

Left: -0.121+/-0.000

χ^2/NDF : 102049295.9/44

Left Out: -0.121+/-0.000

χ^2/NDF : 55459804.4/22

Right: -0.118+/-0.000

χ^2/NDF : 6411583198.4/35

Right Out: -0.115+/-0.000

χ^2/NDF : 2456183694.8/18

In: -0.121+/-0.000

χ^2/NDF : 3979466768.0/38

Out: -0.120+/-0.000

χ^2/NDF : 2565458927.8/41

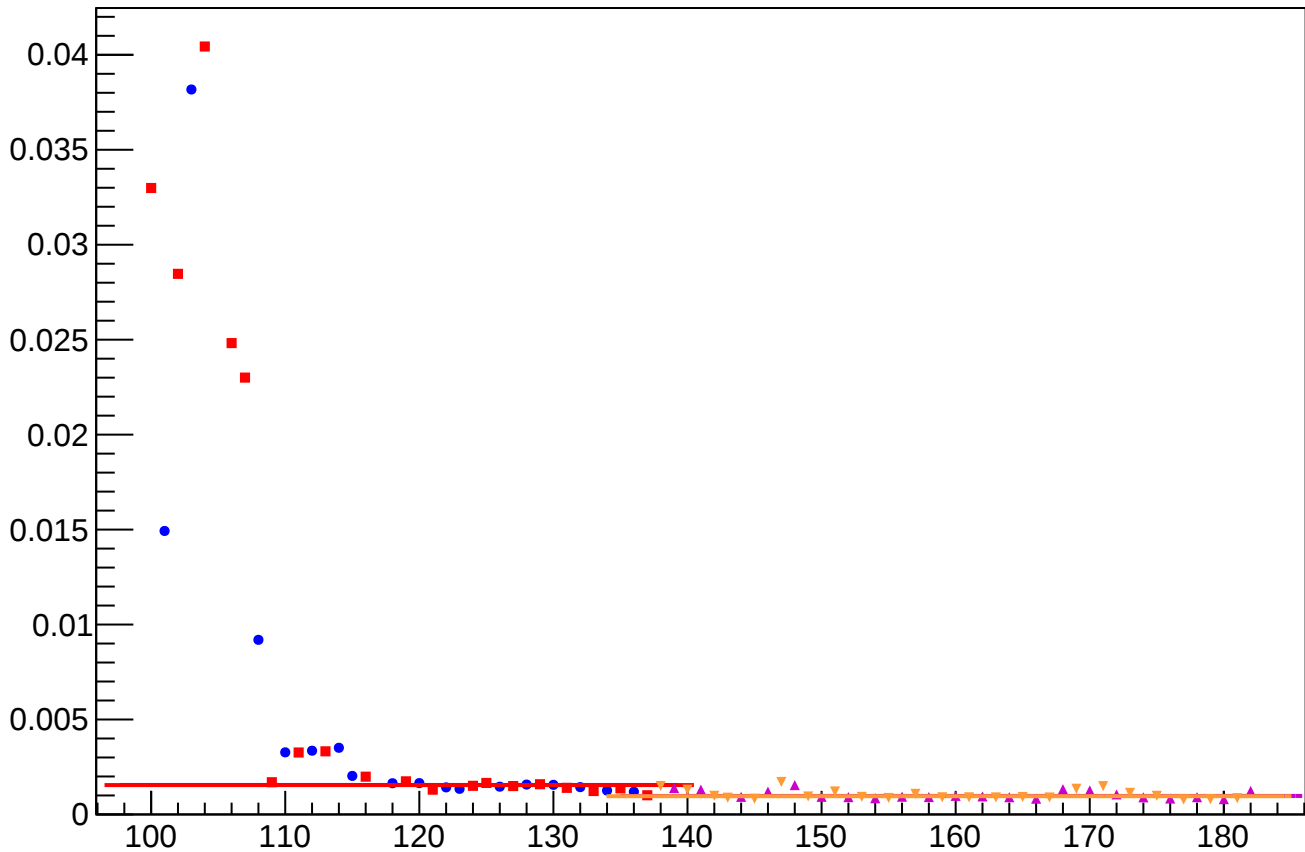
Left In: -0.121+/-0.000

χ^2/NDF : 46374196.3/21

All: -0.121+/-0.000

χ^2/NDF : 6546004892.5/8

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2897244.2/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1238497.8/22

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3536477.8/18

Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:950432.0/21

Left: 0.001 $\pm$ 0.000 χ^2 /NDF: 2192393.1/44

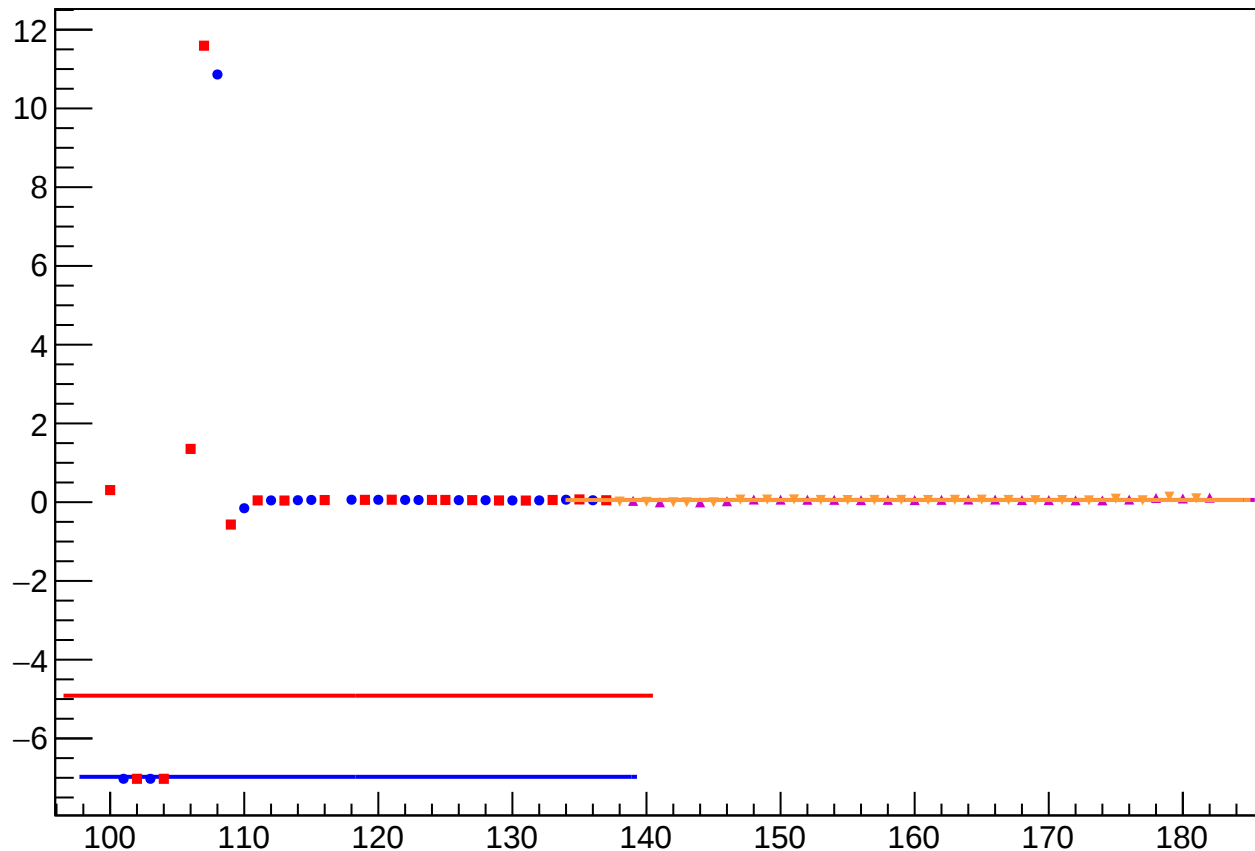
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 6433775.1/35

In: 0.001 $\pm$ 0.000 χ^2 /NDF:4973985.9/38

Out: 0.001 $\pm$ 0.000 χ^2 /NDF:5948194.7/41

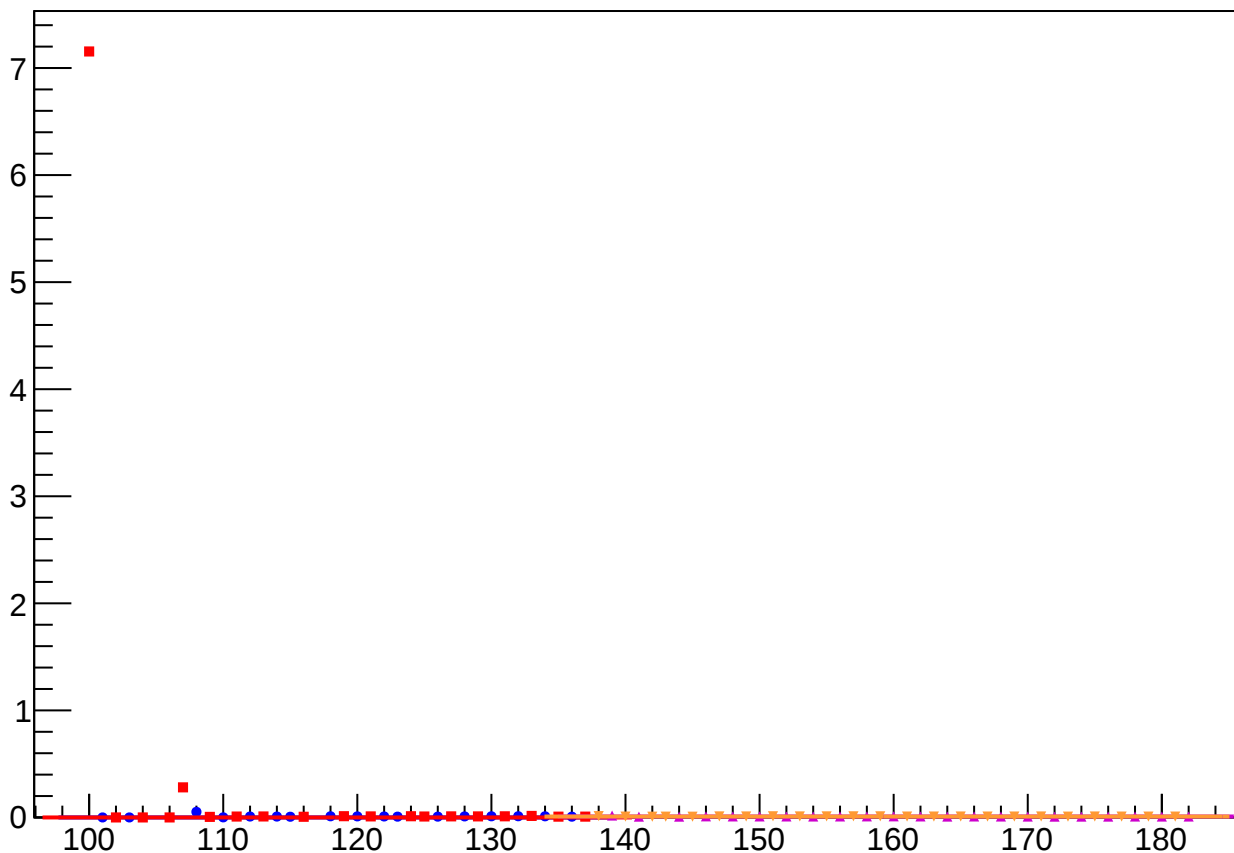
All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10926567.6/80

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8762449111165.9/16
 Left Out: 0.054+/-0.000 χ^2/NDF : 220693922.1/22
 Right Out: -4.914+/-0.000 χ^2/NDF : 365348533697497.2/18
 Left In: 0.057+/-0.000 χ^2/NDF : 153596116.6/21
 Left: 0.056+/-0.000 χ^2/NDF : 375230787.3/44
 Right: -5.900+/-0.000 χ^2/NDF : 430303190760897.4
 In: -6.926+/-0.000 χ^2/NDF : 17420861774740.3/38
 Out: -4.881+/-0.000 χ^2/NDF : 369884465521415.1
 All: -5.859+/-0.000 χ^2/NDF : 4430313818854

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8227727.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 481803.6/22

Right Out: 0.000+/-0.000 χ^2/NDF : 8749291.1/18

Left In: 0.009+/-0.000 χ^2/NDF : 629883.0/21

Left: 0.009+/-0.000 χ^2/NDF : 1116101.4/44

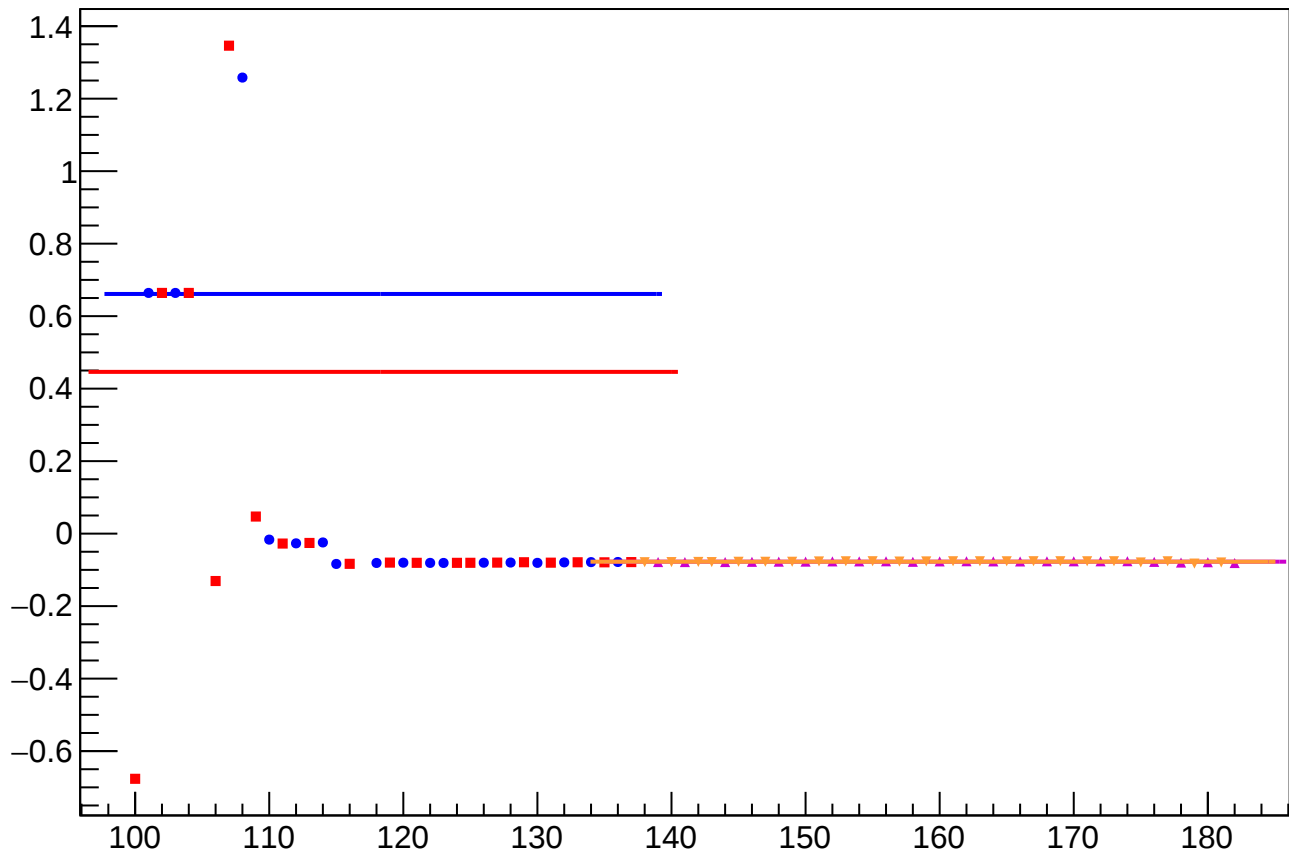
Right: 0.000+/-0.000 χ^2/NDF : 16977327.0/35

In: 0.000+/-0.000 χ^2/NDF : 35429390.6/38

Out: 0.000+/-0.000 χ^2/NDF : 36152158.2/41

All: 0.000+/-0.000 χ^2/NDF : 71582738.0/80

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000

χ^2/NDF : 5585151330309.5/16

Left: -0.077+/-0.000

χ^2/NDF : 229446214.9/44

Left Out: -0.077+/-0.000

χ^2/NDF : 144626390.0/22

Right: 0.549+/-0.000

χ^2/NDF : 473931105024777.9/

Right Out: 0.446+/-0.000

χ^2/NDF : 405416742195381.0/18

In: 0.647+/-0.000

χ^2/NDF : 33411135792799.0/38

Out: 0.437+/-0.000

χ^2/NDF : 419817414993681.8/4

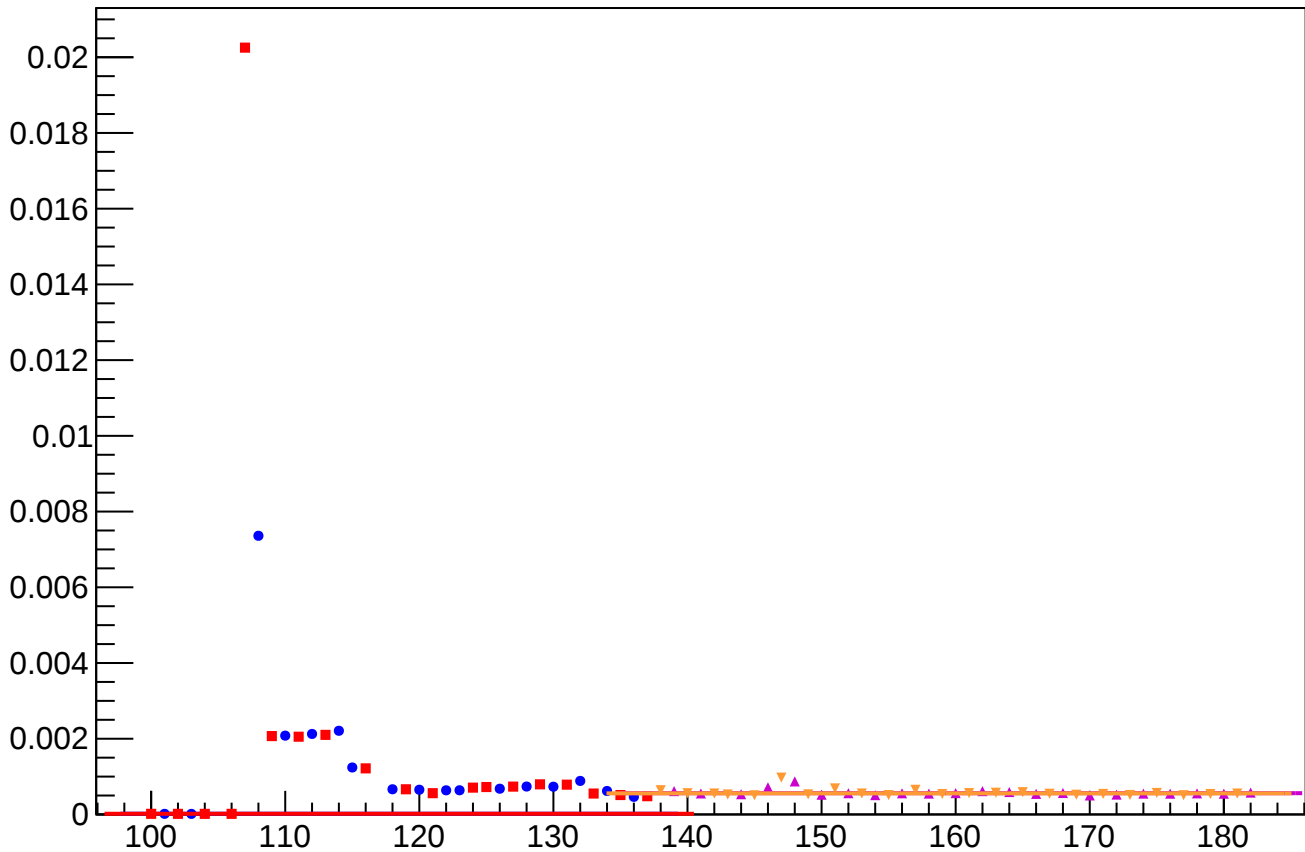
Left In: -0.077+/-0.000

χ^2/NDF : 84769152.2/21

All: 0.537+/-0.000

χ^2/NDF : 51453448757800

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9835626.2/16

Left Out: 0.001+/-0.000 χ^2/NDF : 457472.7/22

Right Out: 0.000+/-0.000 χ^2/NDF : 9440944.6/18

Left In: 0.001+/-0.000 χ^2/NDF : 355409.0/21

Left: 0.001+/-0.000 χ^2/NDF : 814035.1/44

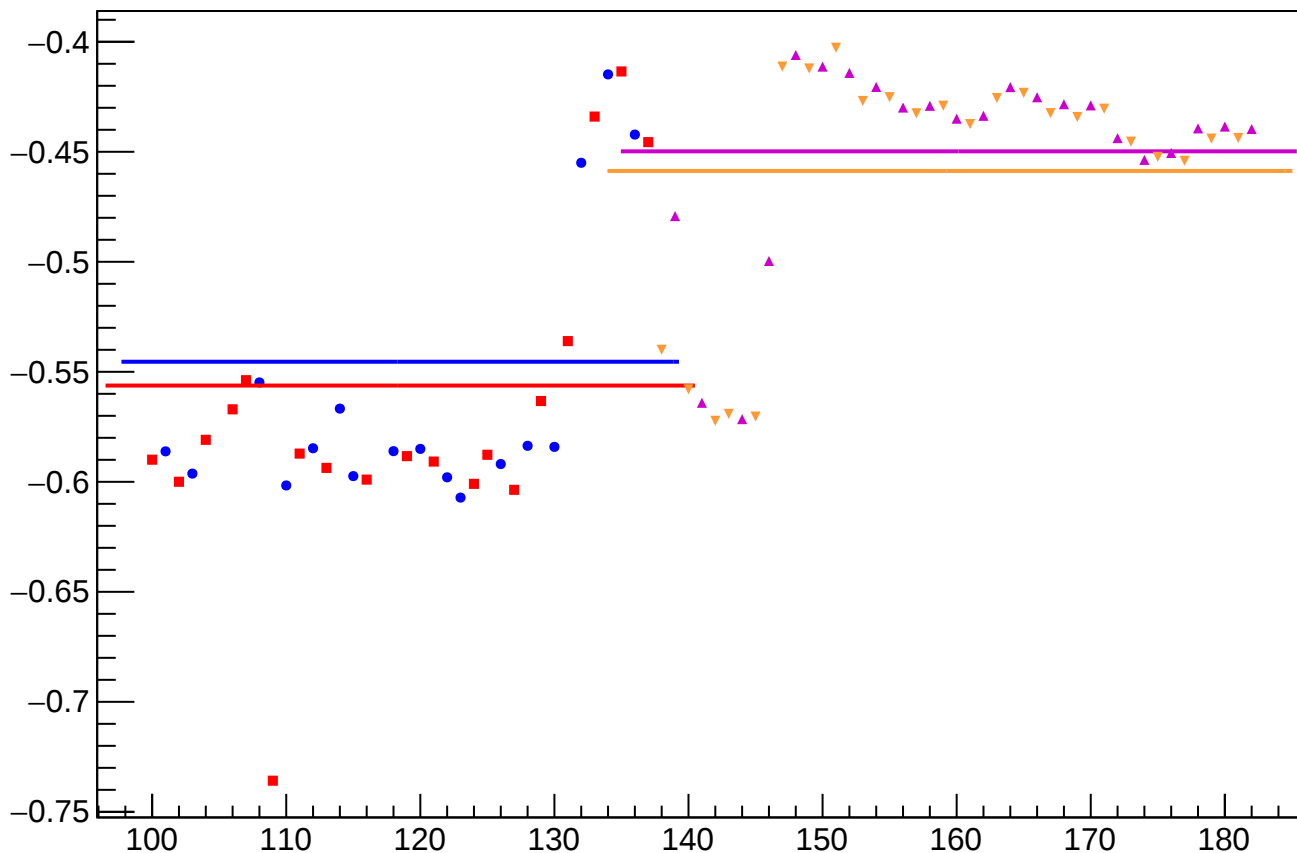
Right: 0.000+/-0.000 χ^2/NDF : 19276577.2/35

In: 0.000+/-0.000 χ^2/NDF : 40333402.6/38

Out: 0.000+/-0.000 χ^2/NDF : 40399732.8/41

All: 0.000+/-0.000 χ^2/NDF : 80734774.5/80

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.545 ± 0.000 χ^2/NDF : 46353554.3/16

Left Out: -0.459 ± 0.000 χ^2/NDF : 107950193.0/22

Right Out: -0.556 ± 0.000 χ^2/NDF : 63720924.6/18

Left In: -0.450 ± 0.000 χ^2/NDF : 76147236.8/21

Left: -0.454 ± 0.000 χ^2/NDF : 185574827.9/44

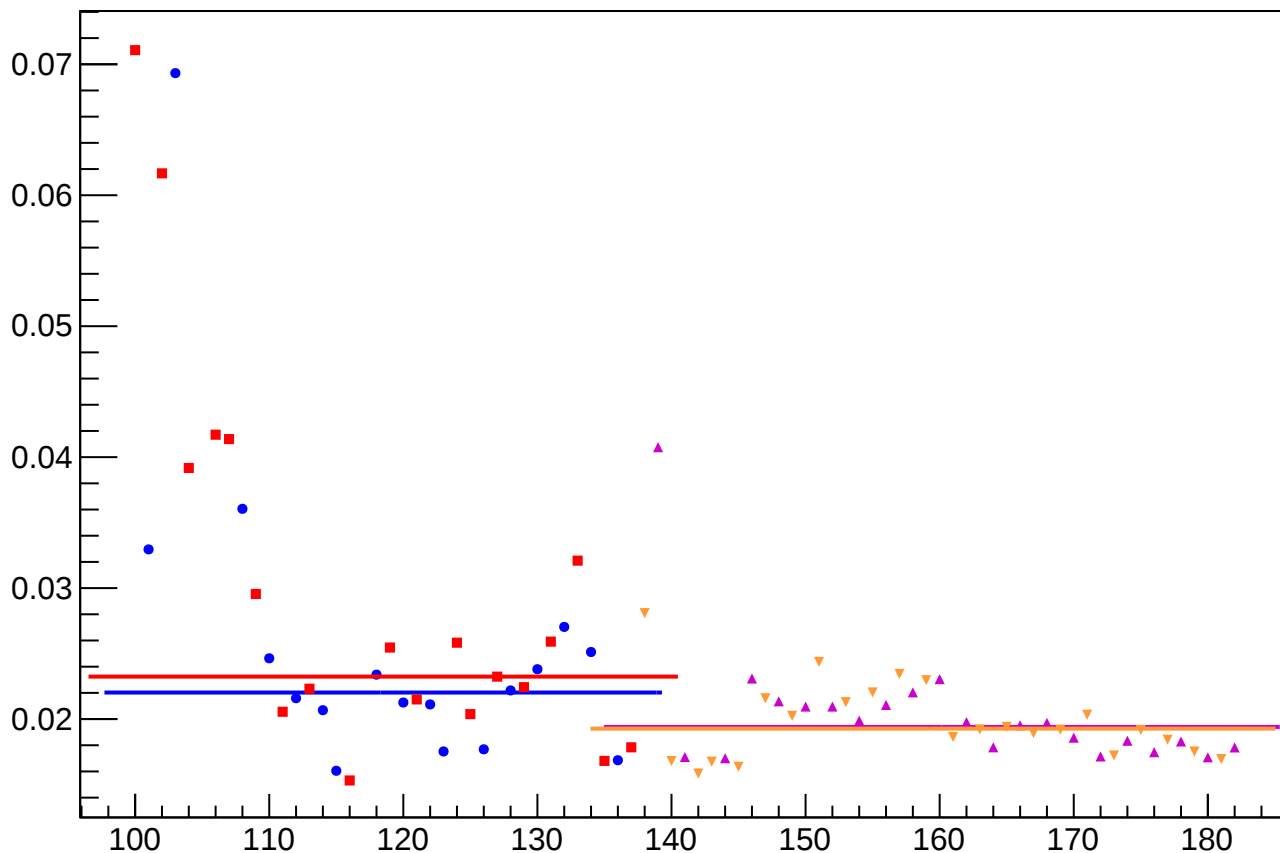
Right: -0.551 ± 0.000 χ^2/NDF : 110666171.8/35

In: -0.471 ± 0.000 χ^2/NDF : 196490048.1/38

Out: -0.479 ± 0.000 χ^2/NDF : 245878251.0/41

All: -0.475 ± 0.000 χ^2/NDF : 443866190.8/80

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 958242.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 474971.2/22

Right Out: 0.023+/-0.000 χ^2/NDF : 1154898.9/18

Left In: 0.019+/-0.000 χ^2/NDF : 654413.2/21

Left: 0.019+/-0.000 χ^2/NDF : 1130011.5/44

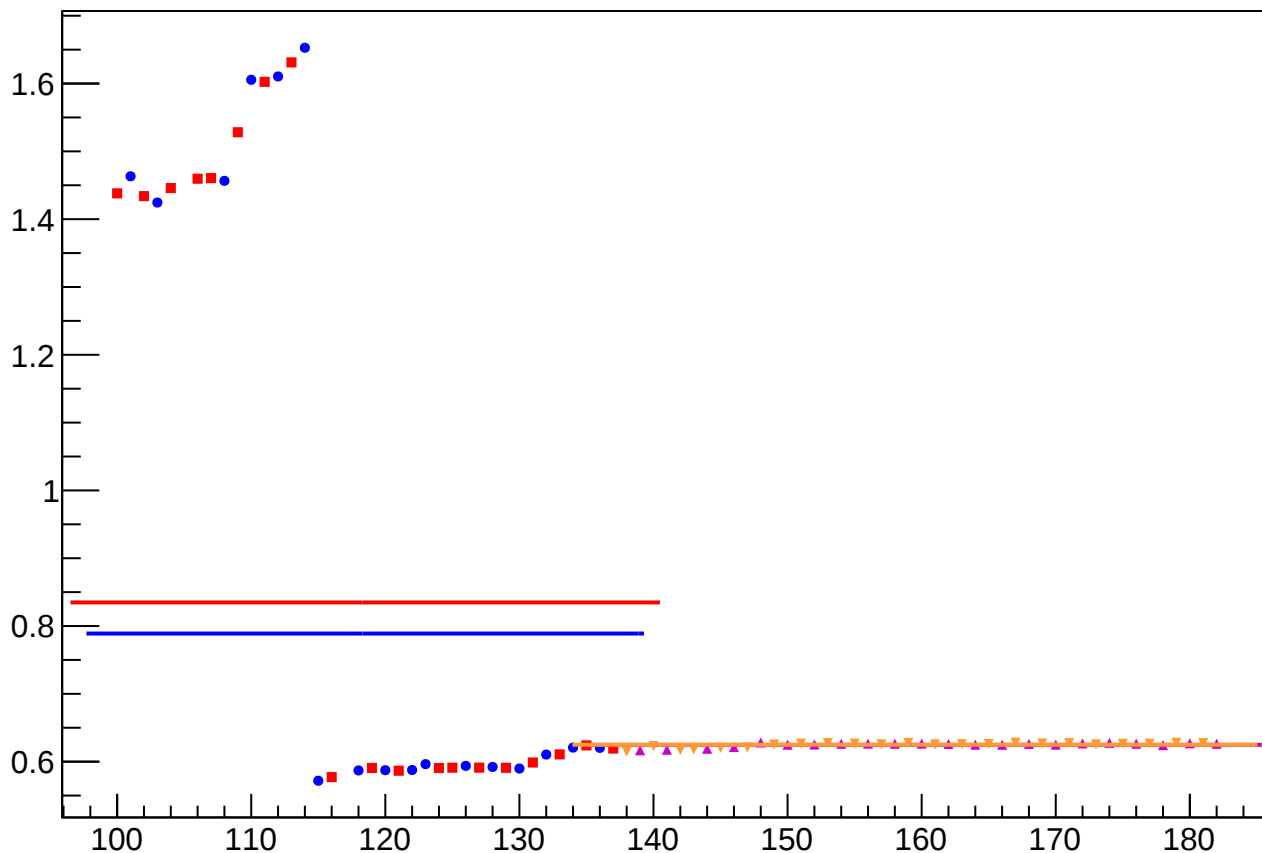
Right: 0.023+/-0.000 χ^2/NDF : 2128066.2/35

In: 0.020+/-0.000 χ^2/NDF : 1724333.4/38

Out: 0.020+/-0.000 χ^2/NDF : 1876032.7/41

All: 0.020+/-0.000 χ^2/NDF : 3600947.6/80

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.789+/-0.000 χ^2/NDF : 3572292316.9/16

Left Out: 0.625+/-0.000 χ^2/NDF :1382470.9/22

Right Out: 0.835+/-0.000 χ^2/NDF : 4145929509.1/18

Left In: 0.625+/-0.000 χ^2/NDF :1111742.9/21

Left: 0.625+/-0.000 χ^2/NDF : 2495708.0/44

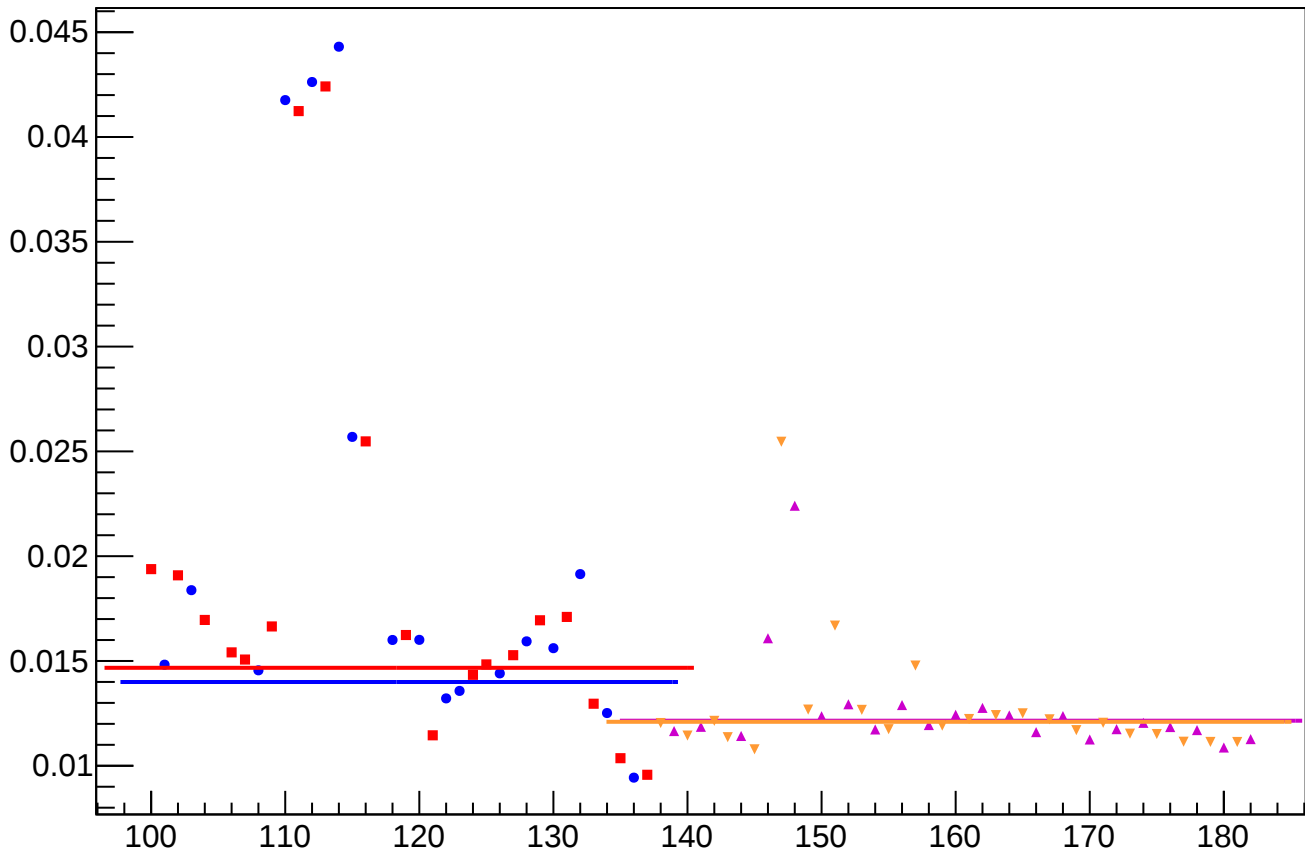
Right: 0.812+/-0.000 χ^2/NDF : 7747869439.7/35

In: 0.658+/-0.000 χ^2/NDF :4187201761.4/38

Out: 0.666+/-0.000 χ^2/NDF :5131635332.2/41

All: 0.662+/-0.000 χ^2/NDF : 9323288491.4/80

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1393658.1/16

Left Out: 0.012+/-0.000 χ^2/NDF : 654426.5/22

Right Out: 0.015+/-0.000 χ^2/NDF : 1257158.3/18

Left In: 0.012+/-0.000 χ^2/NDF : 485791.6/21

Left: 0.012+/-0.000 χ^2/NDF : 1140524.6/44

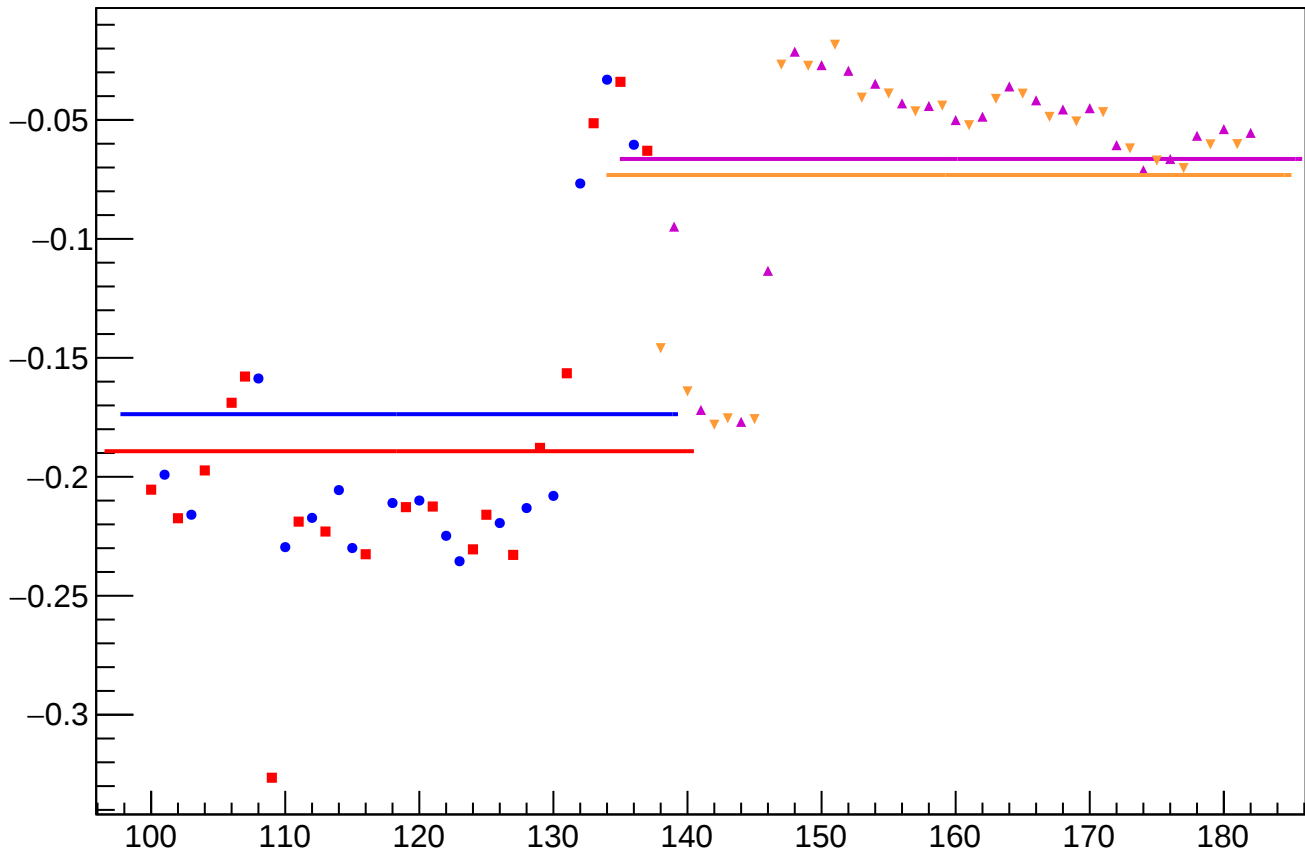
Right: 0.014+/-0.000 χ^2/NDF : 2663748.0/35

In: 0.013+/-0.000 χ^2/NDF : 2034841.4/38

Out: 0.013+/-0.000 χ^2/NDF : 2208275.7/41

All: 0.013+/-0.000 χ^2/NDF : 4243967.7/80

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.174 ± 0.000 χ^2/NDF : 66840344.3/16

Left Out: -0.073 ± 0.000 χ^2/NDF : 102148506.1/22

Right Out: -0.189 ± 0.000 χ^2/NDF : 81440695.3/18

Left In: -0.066 ± 0.000 χ^2/NDF : 76280284.4/21

Left: -0.070 ± 0.000 χ^2/NDF : 179291930.4/44

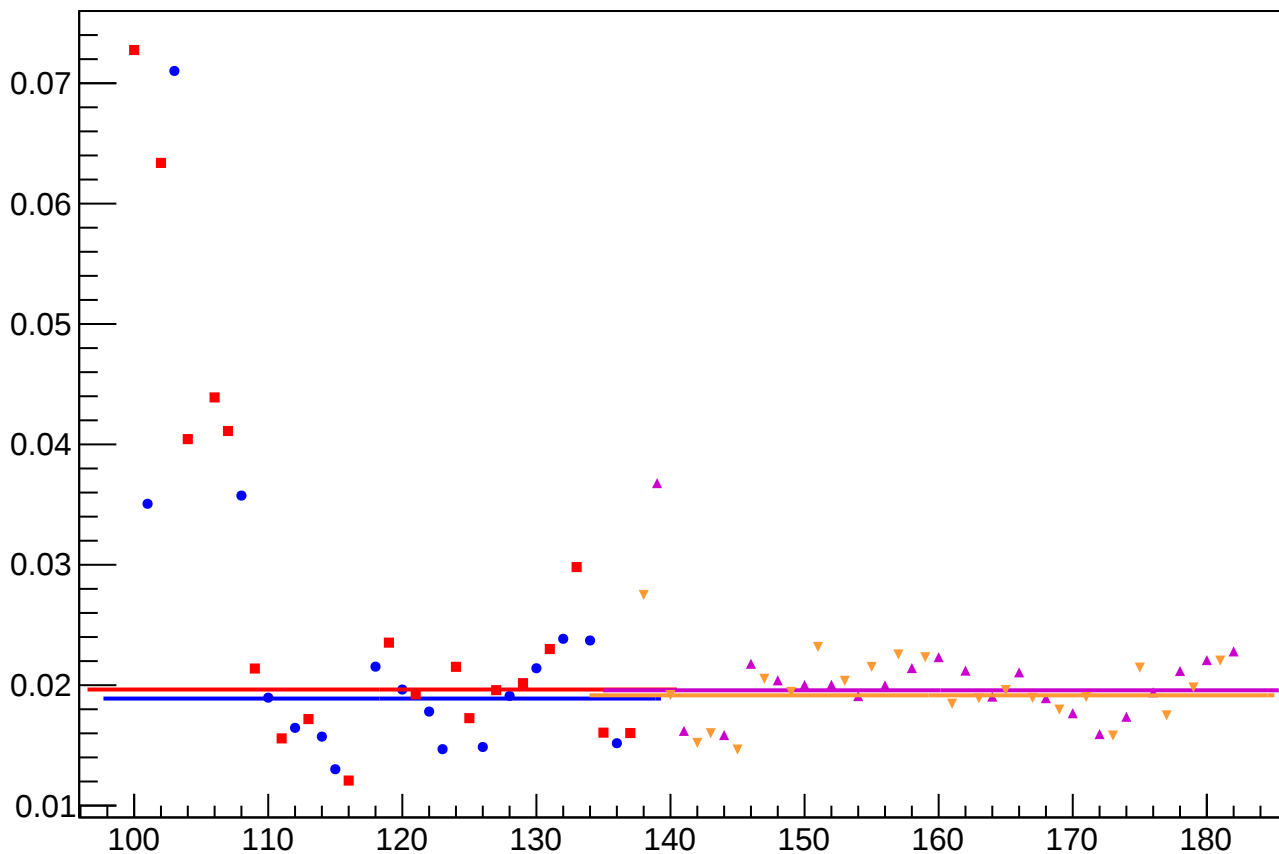
Right: -0.181 ± 0.000 χ^2/NDF : 149928628.1/35

In: -0.096 ± 0.000 χ^2/NDF : 258848929.7/38

Out: -0.103 ± 0.000 χ^2/NDF : 317871071.2/41

All: -0.099 ± 0.000 χ^2/NDF : 578053458.4/80

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1212238.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 534118.3/22

Right Out: 0.020+/-0.000 χ^2/NDF : 1451854.2/18

Left In: 0.020+/-0.000 χ^2/NDF : 651235.7/21

Left: 0.019+/-0.000 χ^2/NDF : 1191981.0/44

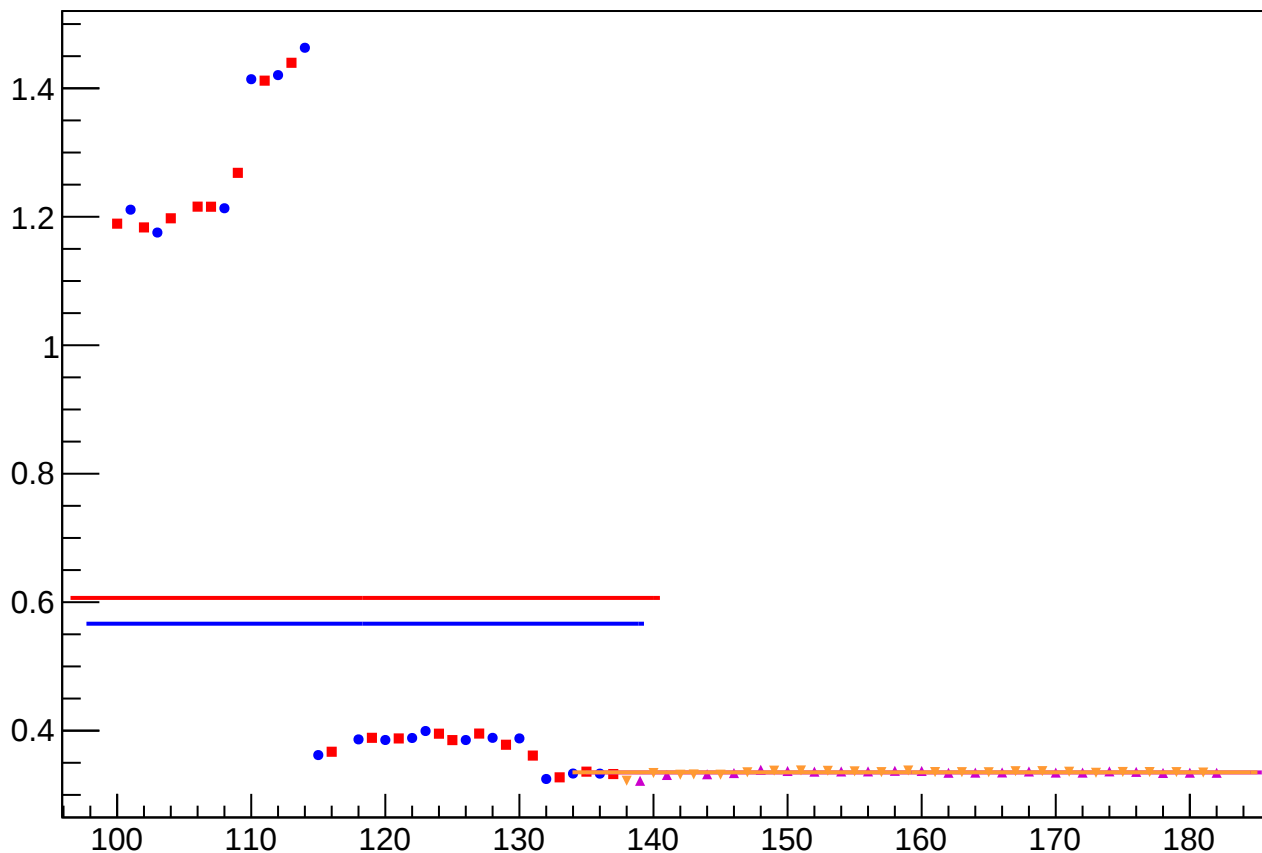
Right: 0.019+/-0.000 χ^2/NDF : 2671772.5/35

In: 0.019+/-0.000 χ^2/NDF : 1872970.6/38

Out: 0.019+/-0.000 χ^2/NDF : 1990611.8/41

All: 0.019+/-0.000 χ^2/NDF : 3864175.4/80

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5026553135.6/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1137872.8/22

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5520995734.6/18

Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1196575.7/21

Left: 0.335 $\pm$ 0.000 χ^2 /NDF: 2336355.3/44

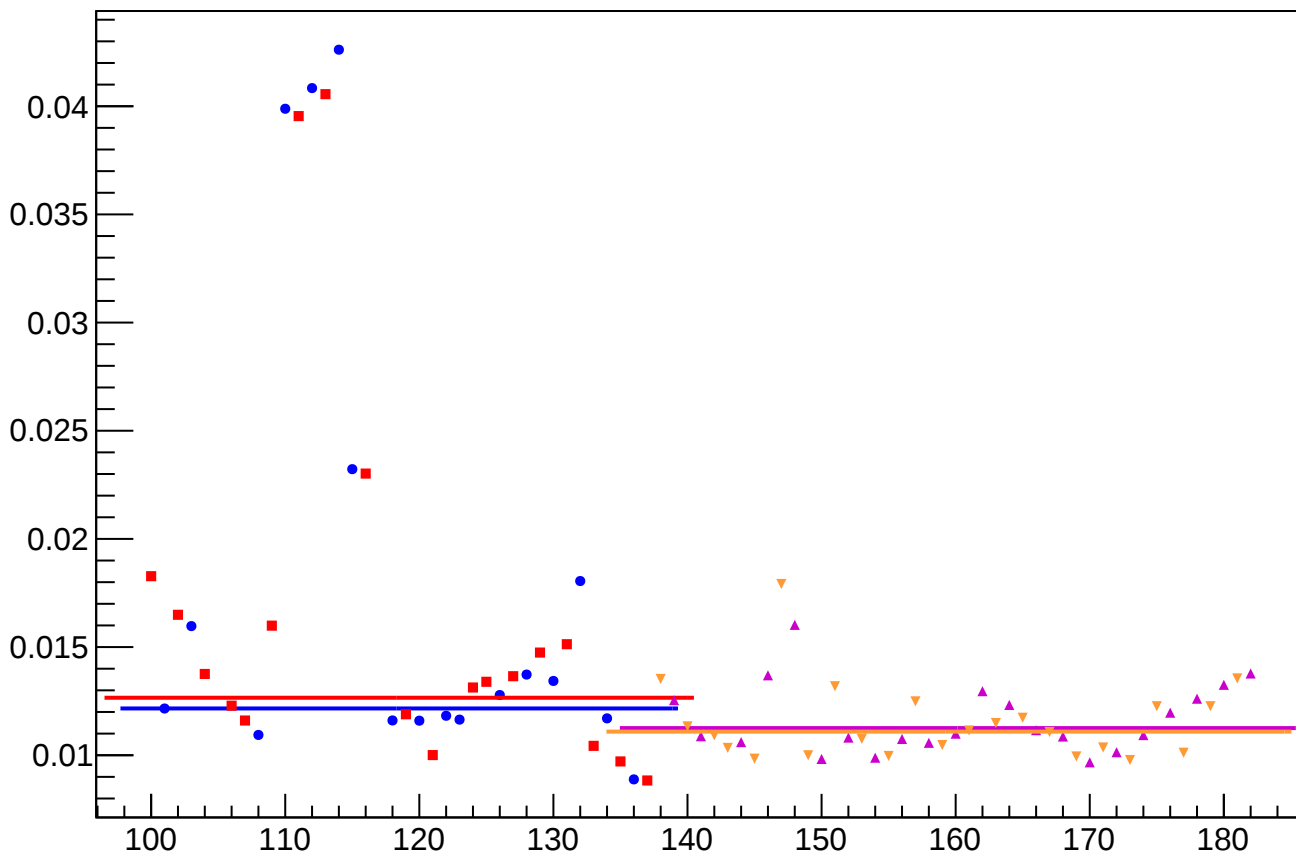
Right: 0.586 $\pm$ 0.000 χ^2 /NDF: 10577499618.0/35

In: 0.387 $\pm$ 0.000 χ^2 /NDF:6593866708.6/38

Out: 0.393 $\pm$ 0.000 χ^2 /NDF:7643718438.0/41

All: 0.390 $\pm$ 0.000 χ^2 /NDF: 14240454316.6/80

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1302333.7/16

Left Out: 0.011+/-0.000 χ^2/NDF : 549675.1/22

Right Out: 0.013+/-0.000 χ^2/NDF : 1265522.0/18

Left In: 0.011+/-0.000 χ^2/NDF : 494474.3/21

Left: 0.011+/-0.000 χ^2/NDF : 1047653.3/44

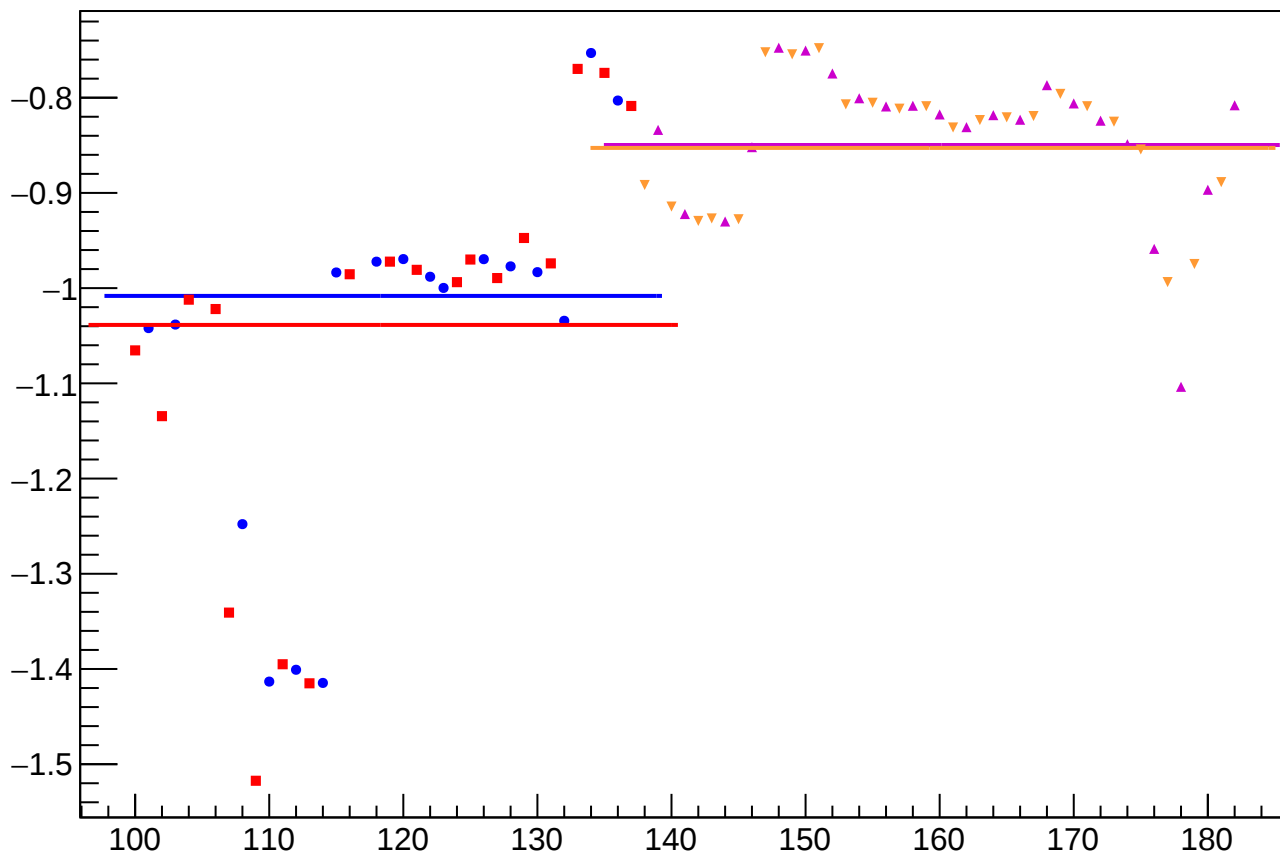
Right: 0.012+/-0.000 χ^2/NDF : 2576963.3/35

In: 0.011+/-0.000 χ^2/NDF : 1844951.7/38

Out: 0.011+/-0.000 χ^2/NDF : 1956312.2/41

All: 0.011+/-0.000 χ^2/NDF : 3801455.8/80

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.008 ± 0.000 χ^2/NDF : 393095883.4/16

Left Out: -0.853 ± 0.000 χ^2/NDF : 183542969.6/22

Right Out: -1.039 ± 0.000 χ^2/NDF : 534509069.6/18

Left In: -0.850 ± 0.000 χ^2/NDF : 255648830.2/21

Left: -0.851 ± 0.000 χ^2/NDF : 439374068.5/44

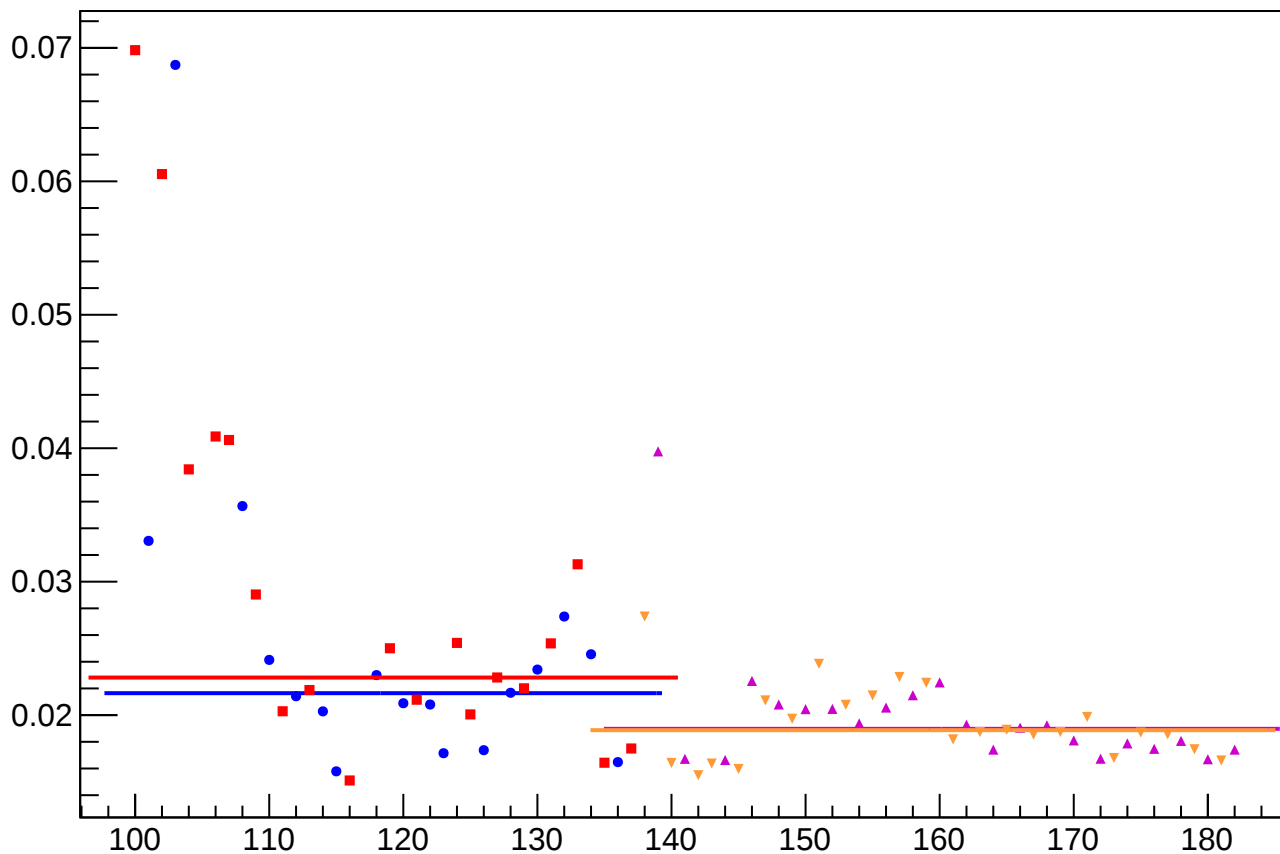
Right: -1.023 ± 0.000 χ^2/NDF : 932453785.5/35

In: -0.884 ± 0.000 χ^2/NDF : 859361764.9/38

Out: -0.891 ± 0.000 χ^2/NDF : 997439846.2/41

All: -0.888 ± 0.000 χ^2/NDF : 1857885283.0/8

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2 /NDF: 983373.6/16

Left Out: 0.019+/-0.000 χ^2 /NDF: 463706.4/22

Right Out: 0.023+/-0.000 χ^2 /NDF: 1150694.3/18

Left In: 0.019+/-0.000 χ^2 /NDF: 642986.7/21

Left: 0.019+/-0.000 χ^2 /NDF: 1107083.5/44

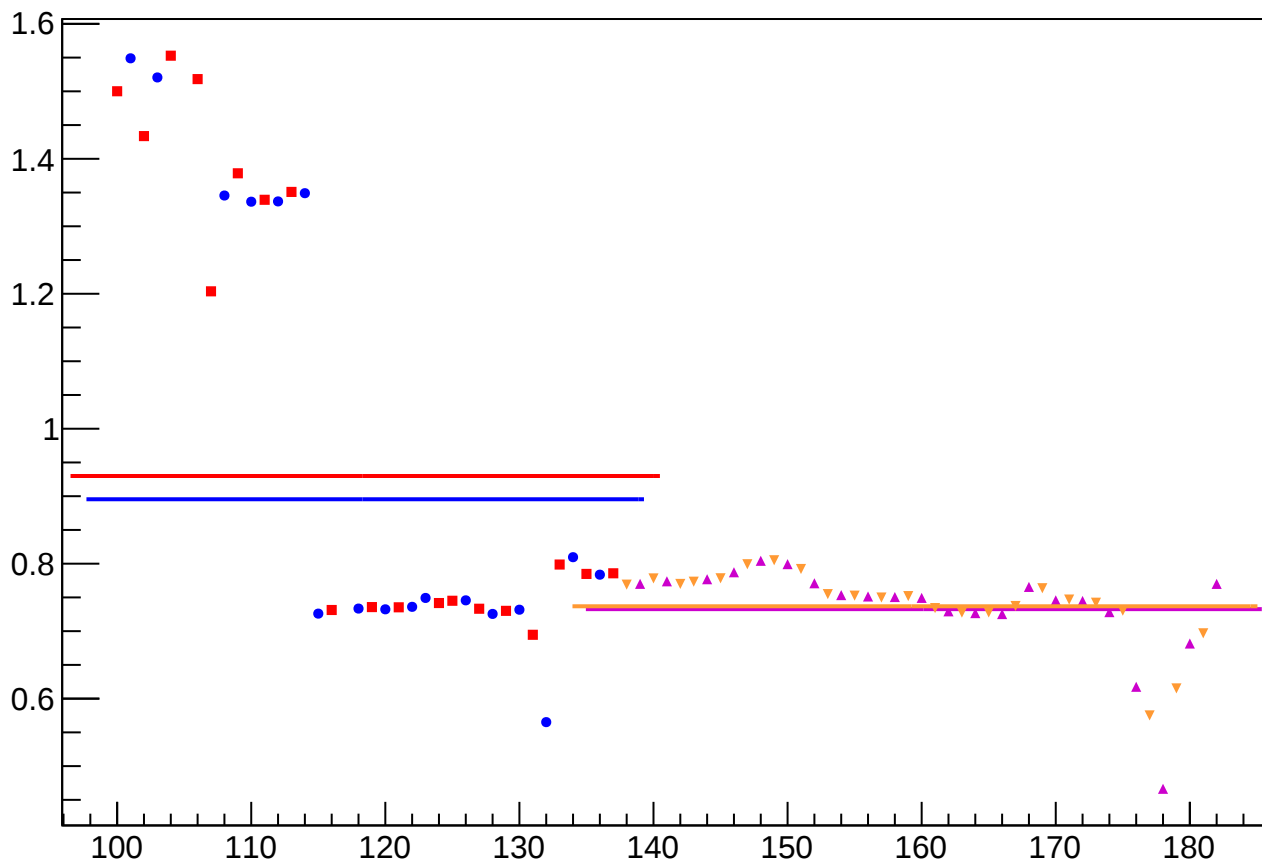
Right: 0.022+/-0.000 χ^2 /NDF: 2148387.9/35

In: 0.020+/-0.000 χ^2 /NDF: 1746083.1/38

Out: 0.020+/-0.000 χ^2 /NDF: 1865798.9/41

All: 0.020+/-0.000 χ^2 /NDF: 3612665.8/80

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.895+/-0.000 χ^2/NDF : 2392918091.7/16

Left Out: 0.737+/-0.000 χ^2/NDF : 326066526.5/22

Right Out: 0.930+/-0.000 χ^2/NDF : 2420081209.6/18

Left In: 0.733+/-0.000 χ^2/NDF : 567388406.5/21

Left: 0.735+/-0.000 χ^2/NDF : 894456634.2/44

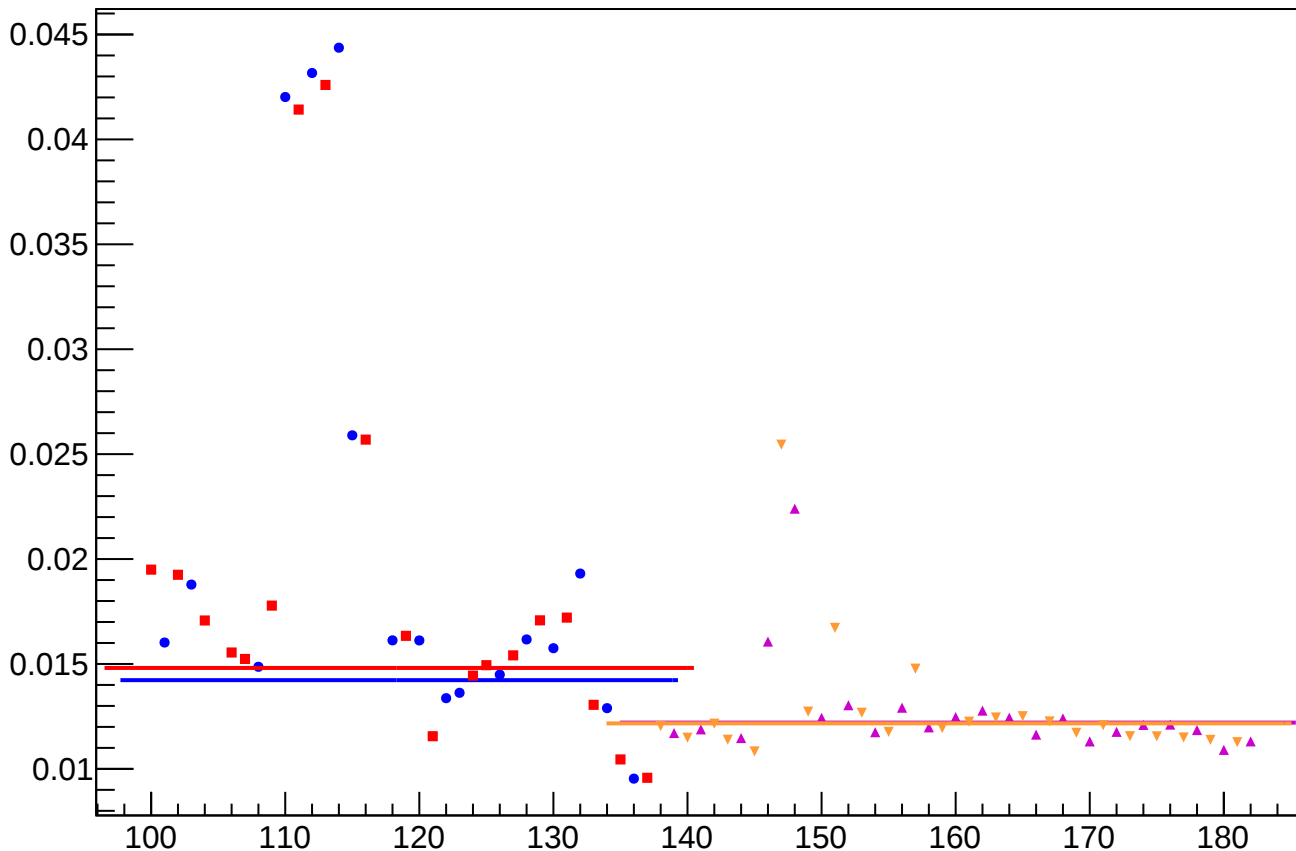
Right: 0.913+/-0.000 χ^2/NDF : 4829250239.4/35

In: 0.765+/-0.000 χ^2/NDF : 3544770353.4/38

Out: 0.774+/-0.000 χ^2/NDF : 3561998188.6/41

All: 0.770+/-0.000 χ^2/NDF : 7113012981.9/80

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1403945.8/16

Left Out: 0.012+/-0.000 χ^2/NDF : 634442.9/22

Right Out: 0.015+/-0.000 χ^2/NDF : 1267250.0/18

Left In: 0.012+/-0.000 χ^2/NDF : 479147.1/21

Left: 0.012+/-0.000 χ^2/NDF : 1113734.8/44

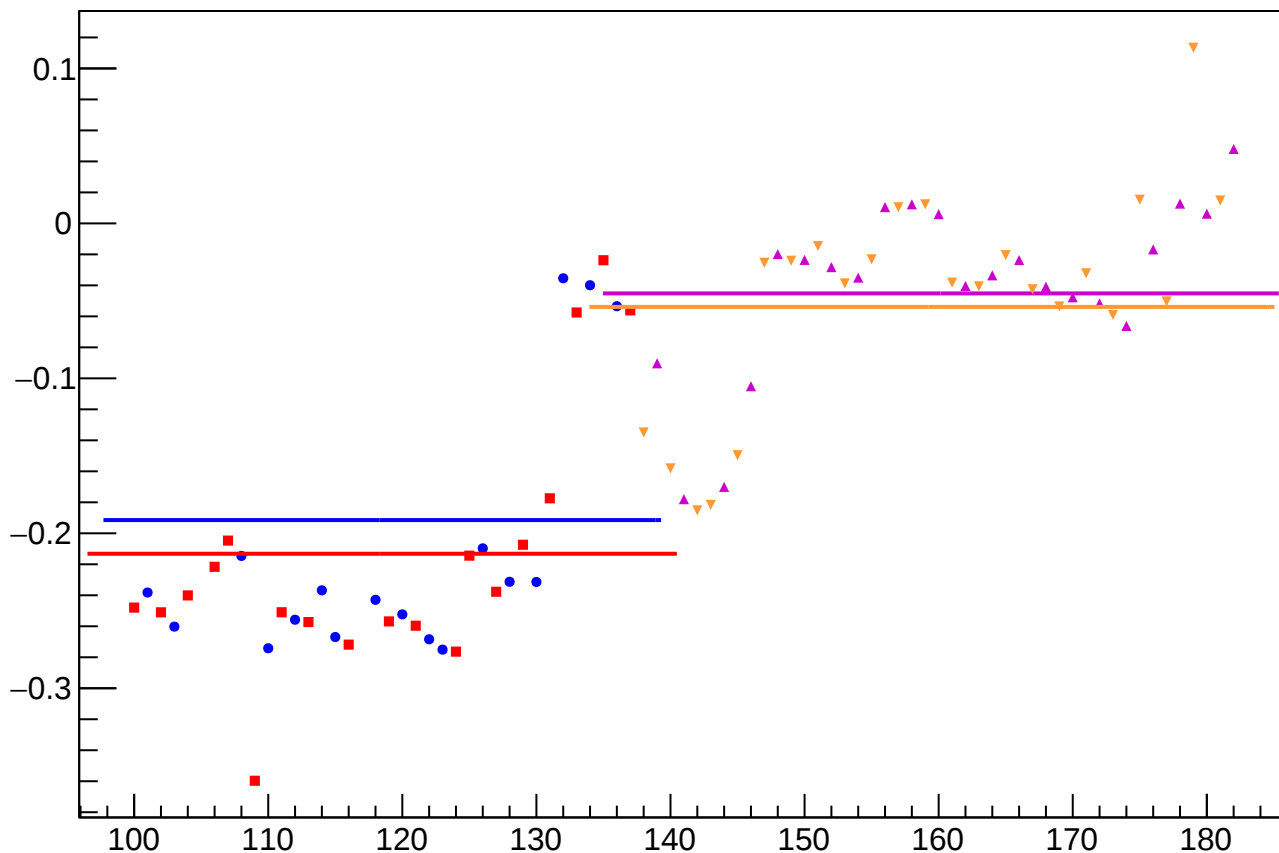
Right: 0.015+/-0.000 χ^2/NDF : 2680467.9/35

In: 0.013+/-0.000 χ^2/NDF : 2063580.3/38

Out: 0.013+/-0.000 χ^2/NDF : 2207149.9/41

All: 0.013+/-0.000 χ^2/NDF : 4271540.6/80

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.191+/-0.000 χ^2/NDF : 105957051.0/16

Left Out: -0.054+/-0.000 χ^2/NDF : 154149244.2/22

Right Out: -0.213+/-0.000 χ^2/NDF : 109604825.2/18

Left In: -0.045+/-0.000 χ^2/NDF : 124018206.7/21

Left: -0.050+/-0.000 χ^2/NDF : 279602363.8/44

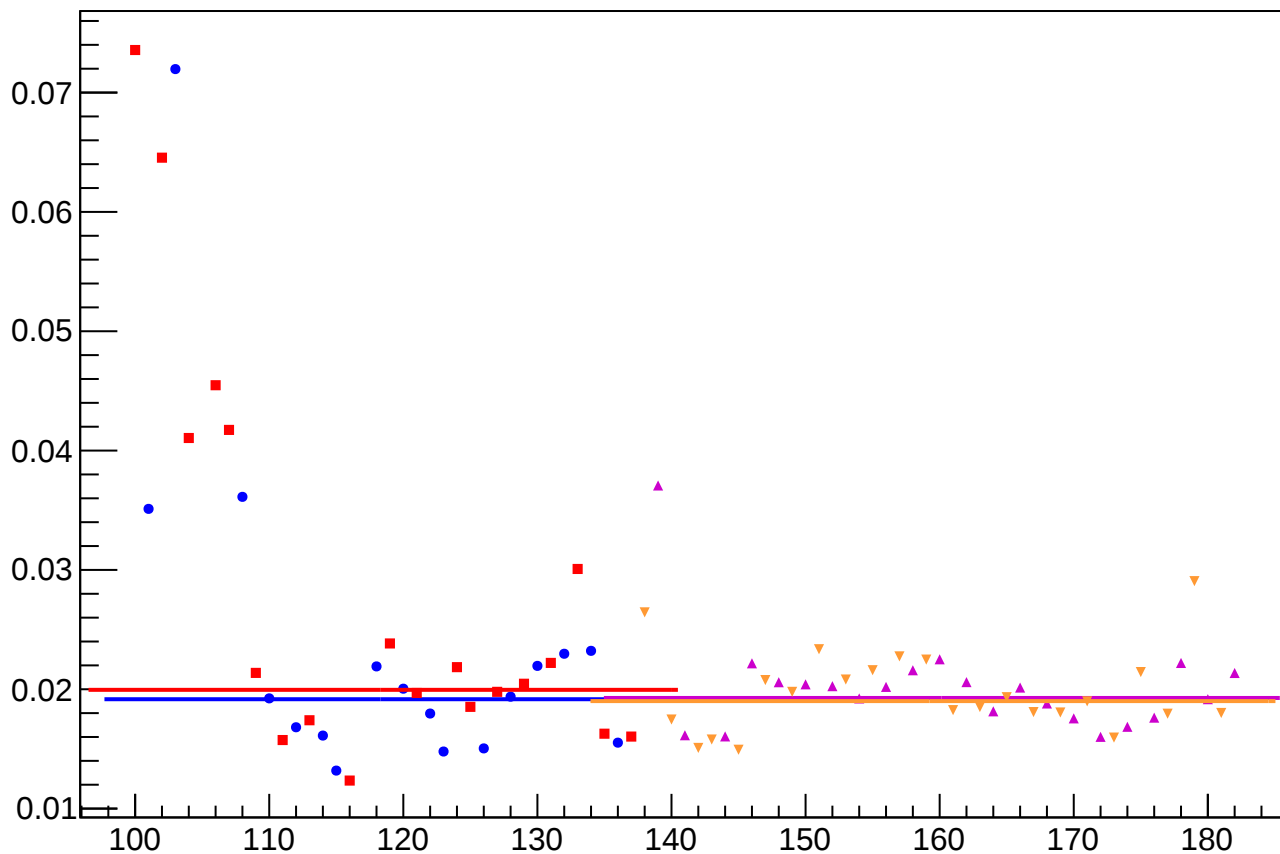
Right: -0.202+/-0.000 χ^2/NDF : 218676699.4/35

In: -0.084+/-0.000 χ^2/NDF : 441589552.5/38

Out: -0.094+/-0.000 χ^2/NDF : 509635436.5/41

All: -0.089+/-0.000 χ^2/NDF : 953833085.0/80

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1183198.6/16

Left Out: 0.019+/-0.000 χ^2/NDF : 613032.8/22

Right Out: 0.020+/-0.000 χ^2/NDF : 1442604.7/18

Left In: 0.019+/-0.000 χ^2/NDF : 651133.1/21

Left: 0.019+/-0.000 χ^2/NDF : 1266772.4/44

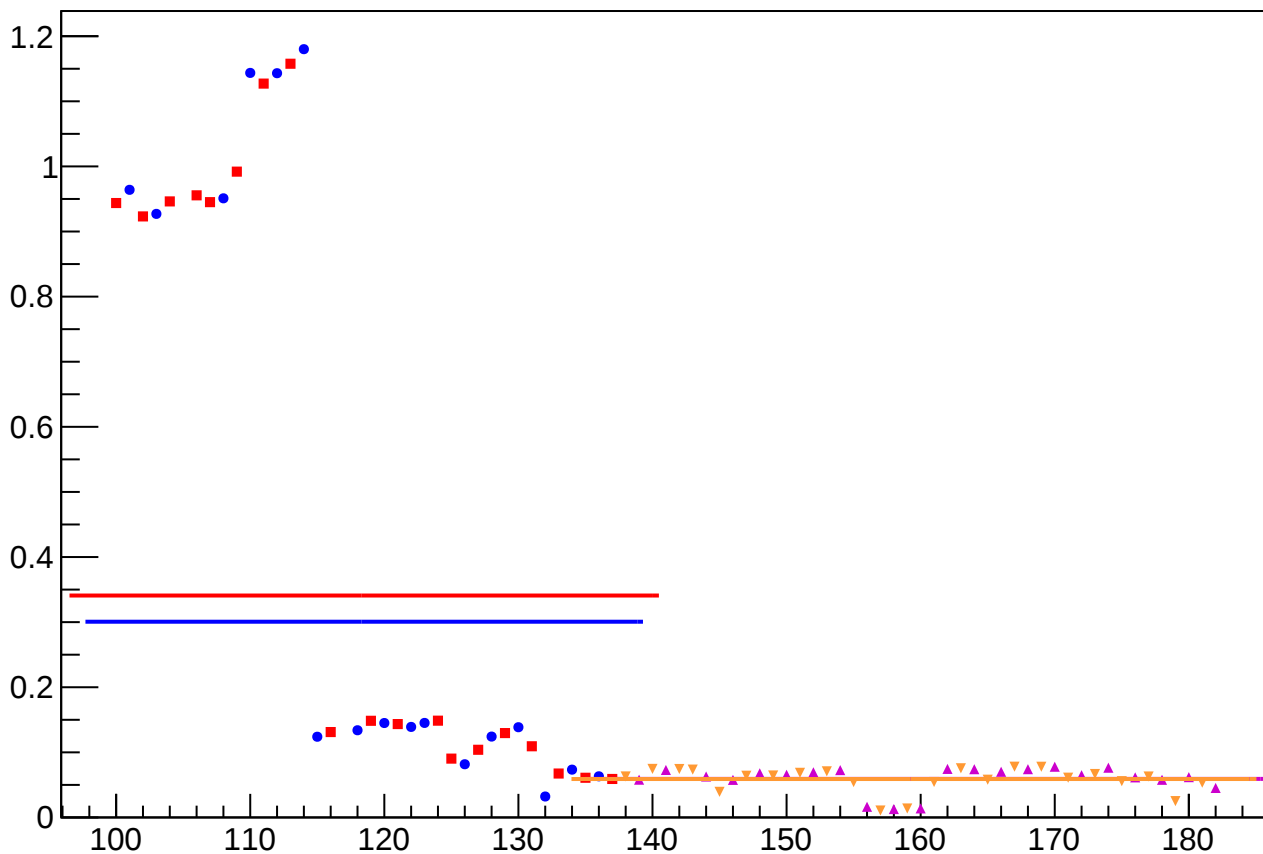
Right: 0.020+/-0.000 χ^2/NDF : 2633983.0/35

In: 0.019+/-0.000 χ^2/NDF : 1834555.0/38

Out: 0.019+/-0.000 χ^2/NDF : 2072881.7/41

All: 0.019+/-0.000 χ^2/NDF : 3907437.4/80

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5169454550.2/16

Left Out: 0.059+/-0.000 χ^2/NDF : 46243199.6/22

Right Out: 0.341+/-0.000 χ^2/NDF : 5465725389.6/18

Left In: 0.059+/-0.000 χ^2/NDF : 58128971.6/21

Left: 0.059+/-0.000 χ^2/NDF : 104375045.6/44

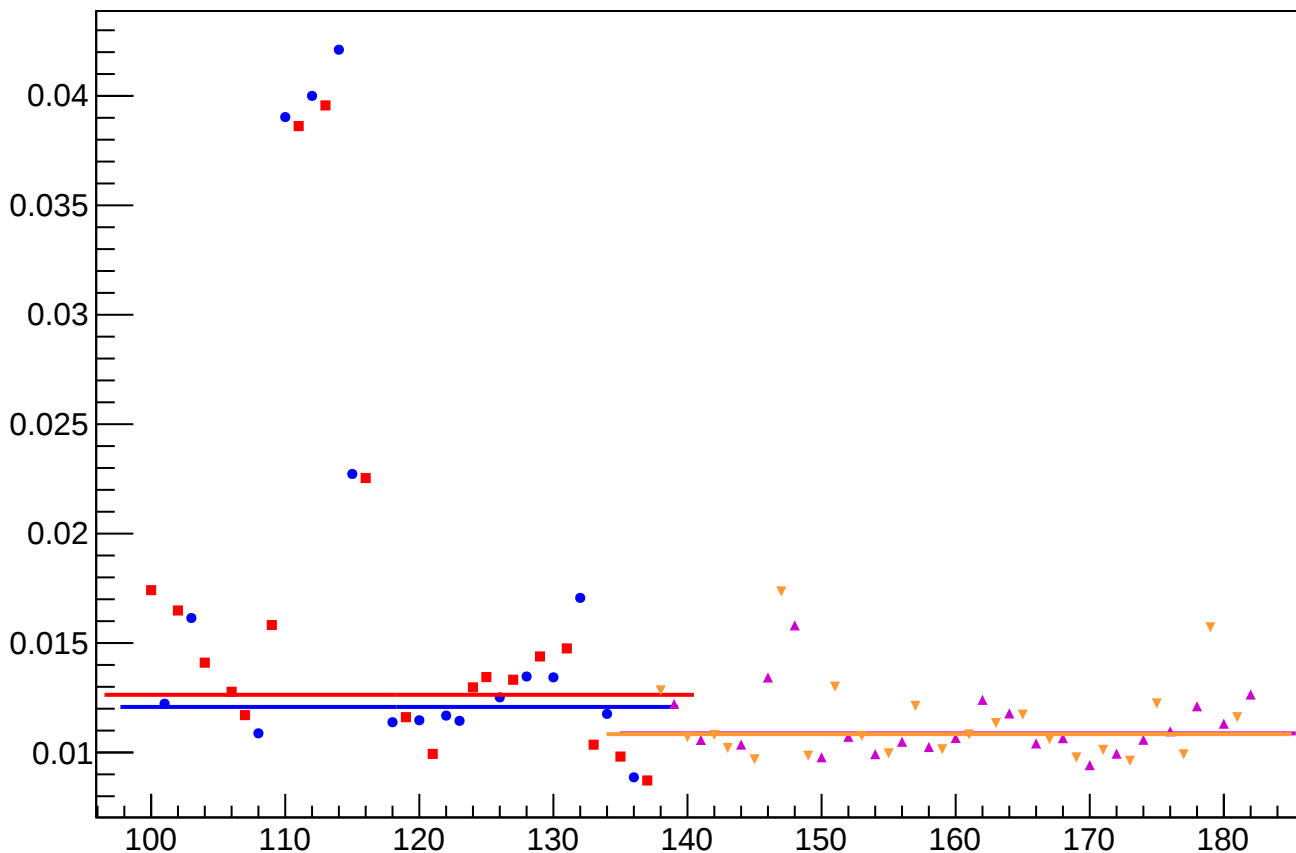
Right: 0.320+/-0.000 χ^2/NDF : 10665529192.9/35

In: 0.112+/-0.000 χ^2/NDF : 6972096230.6/38

Out: 0.118+/-0.000 χ^2/NDF : 7815833316.4/41

All: 0.115+/-0.000 χ^2/NDF : 14791484596.4/80

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1275060.9/16

Left Out: 0.011+/-0.000 χ^2/NDF : 542912.0/22

Right Out: 0.013+/-0.000 χ^2/NDF : 1234267.8/18

Left In: 0.011+/-0.000 χ^2/NDF : 394135.3/21

Left: 0.011+/-0.000 χ^2/NDF : 937203.6/44

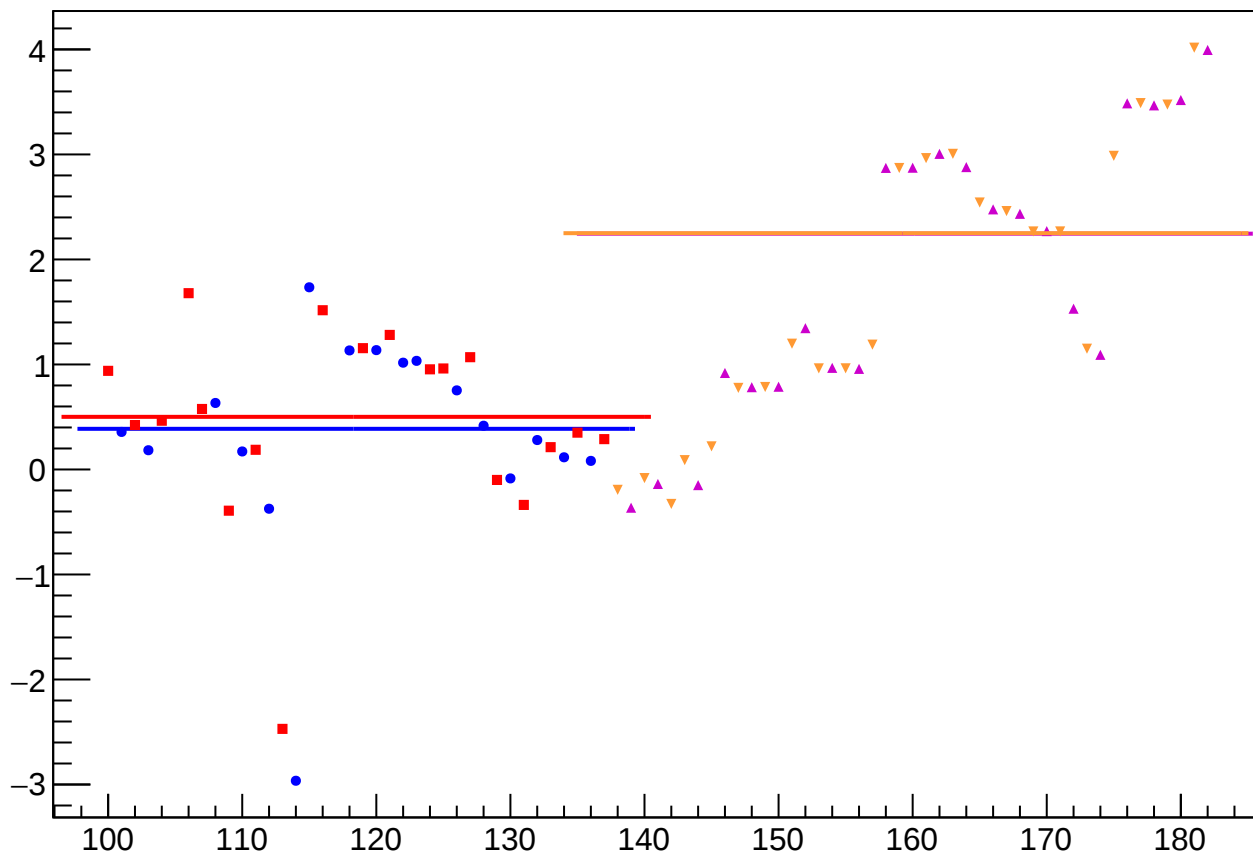
Right: 0.012+/-0.000 χ^2/NDF : 2520814.8/35

In: 0.011+/-0.000 χ^2/NDF : 1756673.6/38

Out: 0.011+/-0.000 χ^2/NDF : 1964262.1/41

All: 0.011+/-0.000 χ^2/NDF : 3722061.8/80

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.387+/-0.000

χ^2/NDF : 243730591.1/16

Left: 2.248+/-0.000

χ^2/NDF : 112481755451.2/44

Left Out: 2.250+/-0.000

χ^2/NDF : 54133380682.0/22

Right: 0.440+/-0.000

χ^2/NDF : 1237246871.1/35

Right Out: 0.501+/-0.000

χ^2/NDF : 983060826.6/18

In: 2.184+/-0.000

χ^2/NDF : 64422355998.9/38

Out: 2.198+/-0.000

χ^2/NDF : 59525086417.9/41

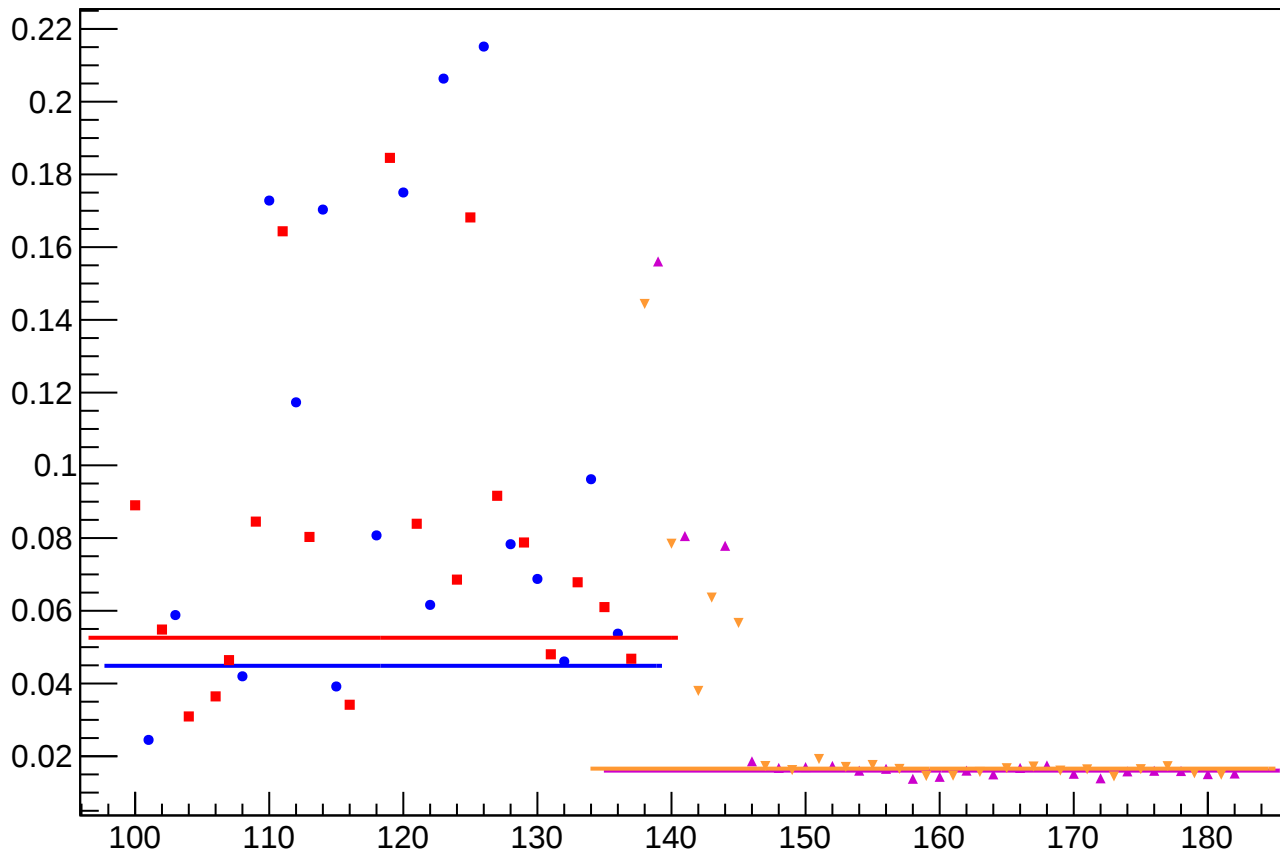
Left In: 2.245+/-0.000

χ^2/NDF : 58347824050.6/21

All: 2.191+/-0.000

χ^2/NDF : 123952075684.8

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2772873.5/16

Left Out: 0.017+/-0.000 χ^2/NDF :2812025.4/22

Right Out: 0.053+/-0.000 χ^2/NDF : 2178932.6/18

Left In: 0.016+/-0.000 χ^2/NDF :2462248.1/21

Left: 0.016+/-0.000 χ^2/NDF : 5289017.2/44

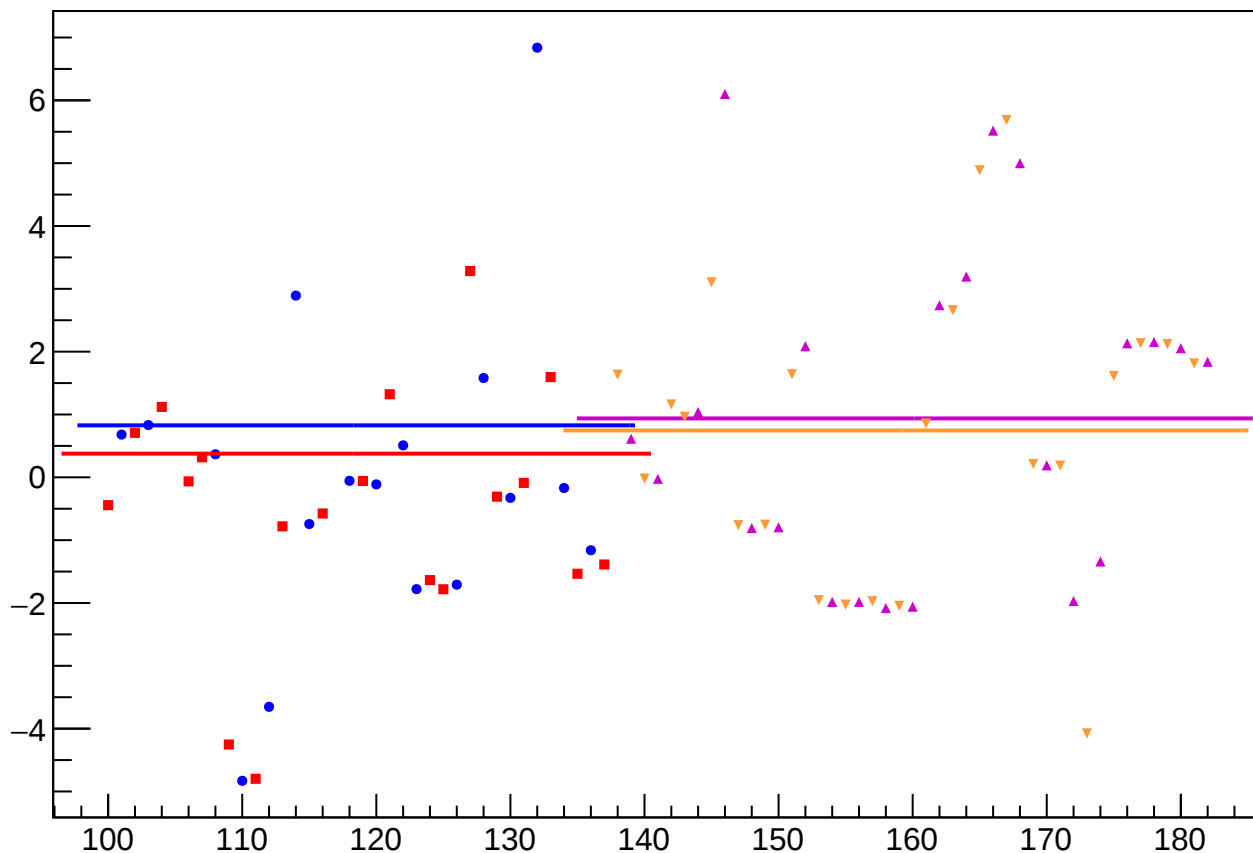
Right: 0.048+/-0.000 χ^2/NDF : 5047373.8/35

In: 0.017+/-0.000 χ^2/NDF :8040190.7/38

Out: 0.018+/-0.000 χ^2/NDF :8725004.9/41

All: 0.017+/-0.000 χ^2/NDF : 16788591.3/80

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.827+/-0.000 χ^2/NDF : 10943374014.3/16

Left Out: 0.746+/-0.000 χ^2/NDF : 502527744088.2/22

Right Out: 0.377+/-0.000 χ^2/NDF : 4942288775.5/18

Left In: 0.938+/-0.000 χ^2/NDF : 573654708847.8/21

Left: 0.844+/-0.000 χ^2/NDF : 1077676958139.5/44

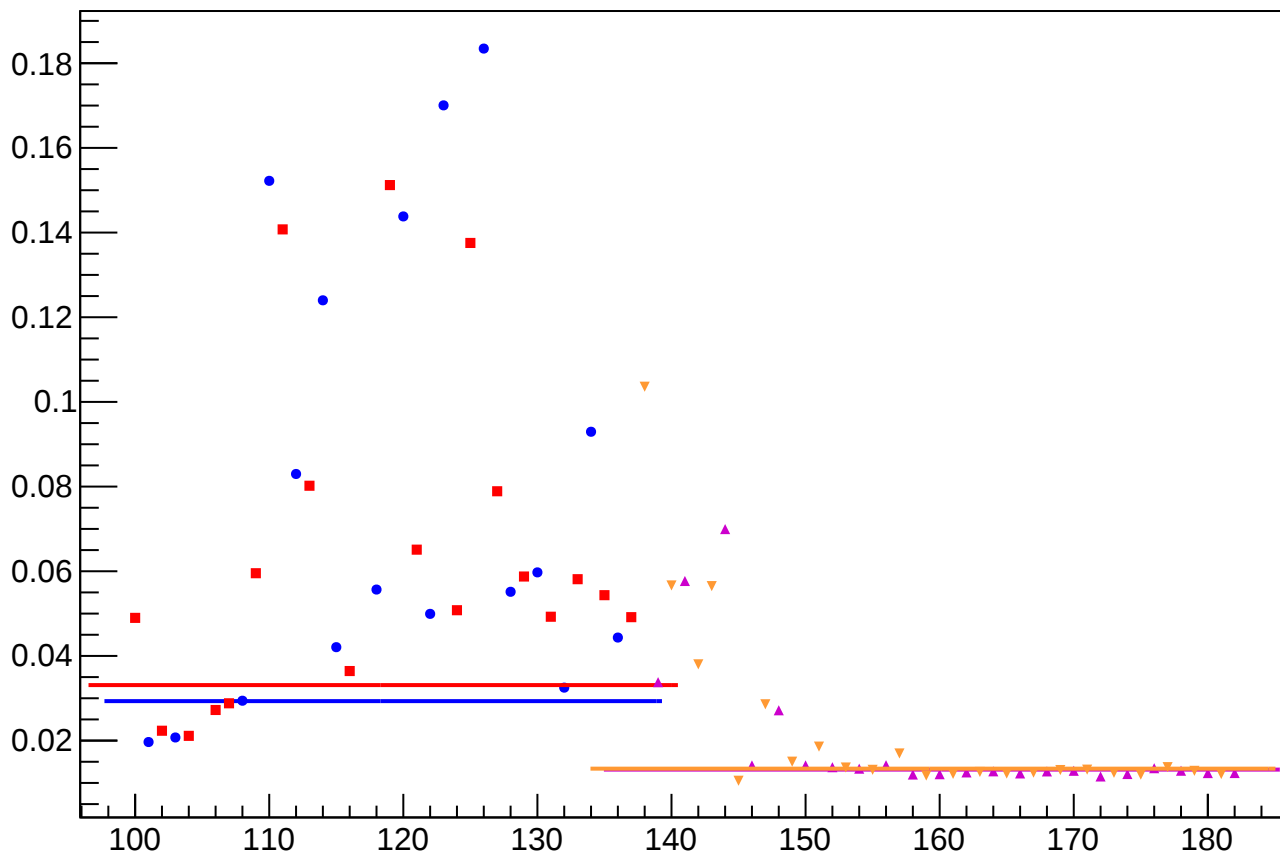
Right: 0.615+/-0.000 χ^2/NDF : 16261014165.5/35

In: 0.933+/-0.000 χ^2/NDF : 584643793753.9/38

Out: 0.731+/-0.000 χ^2/NDF : 507926920344.1/41

All: 0.834+/-0.000 χ^2/NDF : 1094310724824.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 2967975.9/16

Left Out: 0.013+/-0.000 χ^2/NDF :2913795.9/22

Right Out: 0.033+/-0.000 χ^2/NDF : 3080799.9/18

Left In: 0.013+/-0.000 χ^2/NDF :1966639.3/21

Left: 0.013+/-0.000 χ^2/NDF : 4884602.8/44

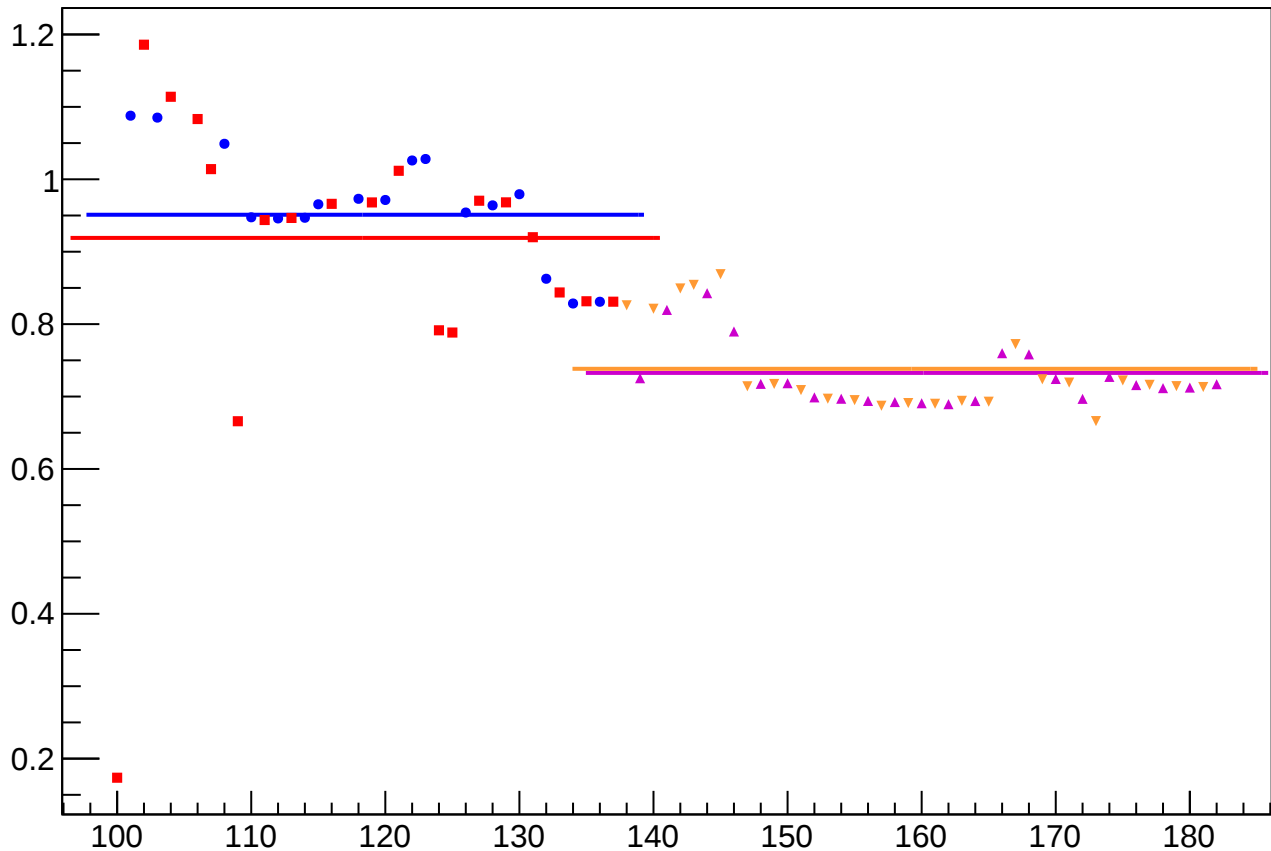
Right: 0.031+/-0.000 χ^2/NDF : 6101828.7/35

In: 0.014+/-0.000 χ^2/NDF :6899716.6/38

Out: 0.014+/-0.000 χ^2/NDF :8600688.2/41

All: 0.014+/-0.000 χ^2/NDF : 15509766.6/80

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.951 $\pm$ 0.000 χ^2 /NDF: 174262904.5/16

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 297039059.7/22

Right Out: 0.919 $\pm$ 0.000 χ^2 /NDF: 374649317.1/18

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF: 170356605.1/21

Left: 0.736 $\pm$ 0.000 χ^2 /NDF: 468693750.3/44

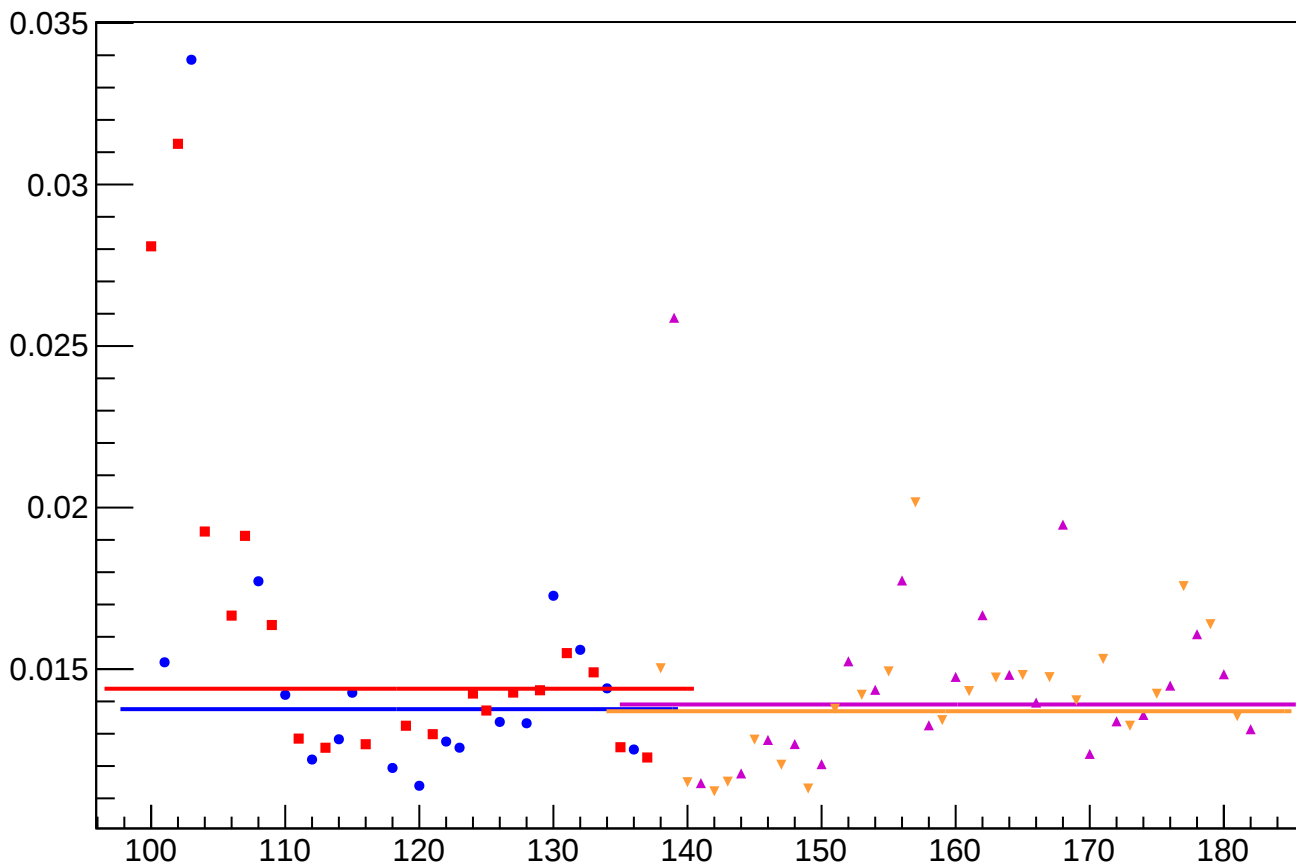
Right: 0.935 $\pm$ 0.000 χ^2 /NDF: 564130452.3/35

In: 0.793 $\pm$ 0.000 χ^2 /NDF: 1389603539.3/38

Out: 0.786 $\pm$ 0.000 χ^2 /NDF: 1374237800.6/41

All: 0.790 $\pm$ 0.000 χ^2 /NDF: 2766564688.1/80

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 538388.7/16

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:513726.4/22

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 504068.1/18

Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:794039.6/21

Left: 0.014 $\pm$ 0.000 χ^2 /NDF: 1311269.0/44

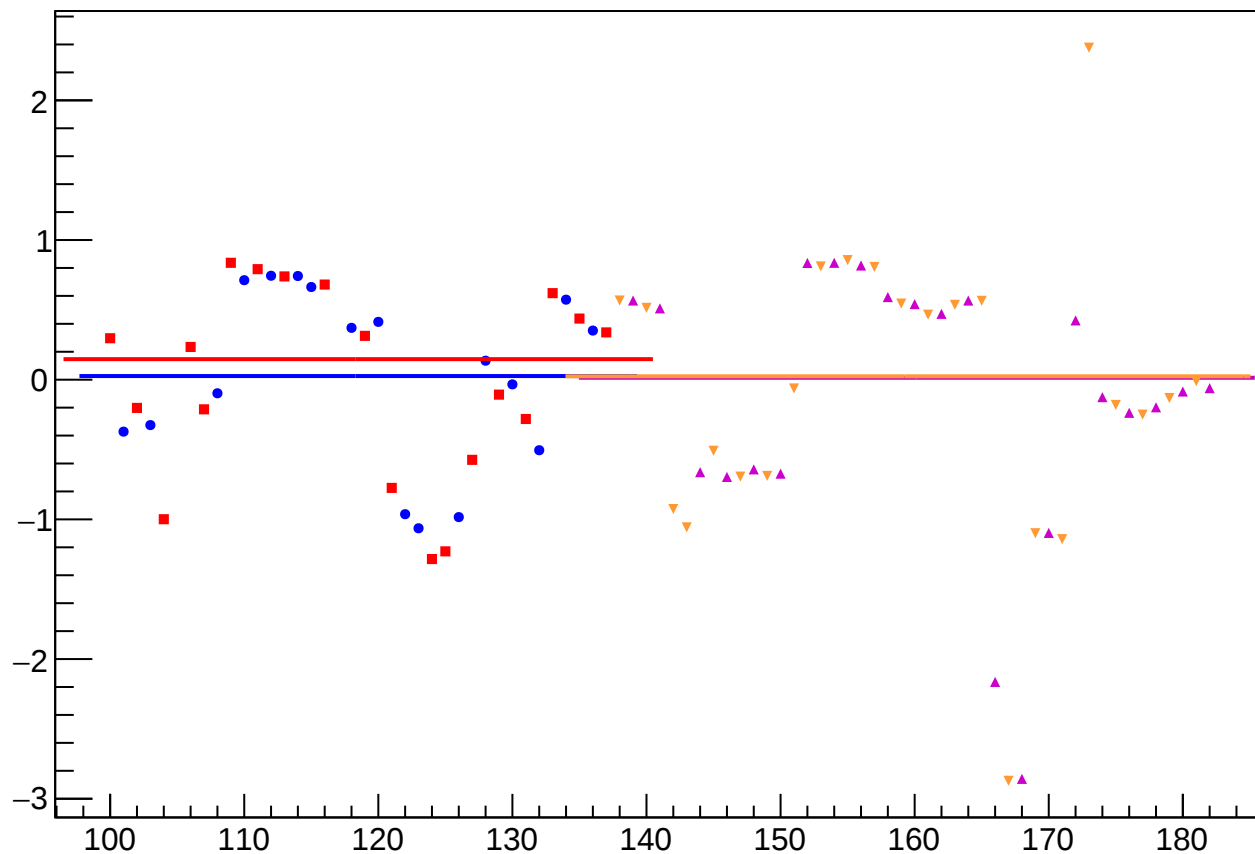
Right: 0.014 $\pm$ 0.000 χ^2 /NDF: 1054350.5/35

In: 0.014 $\pm$ 0.000 χ^2 /NDF:1333348.6/38

Out: 0.014 $\pm$ 0.000 χ^2 /NDF:1038647.6/41

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2372021.3/80

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 6307097032.6/16

Left Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 95294232469.5/22

Right Out: 0.147 $\pm$ 0.000 χ^2 /NDF: 12778628282.5/18

Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 79439744314.3/21

Left: 0.019 $\pm$ 0.000 χ^2 /NDF: 174739709969.0/44

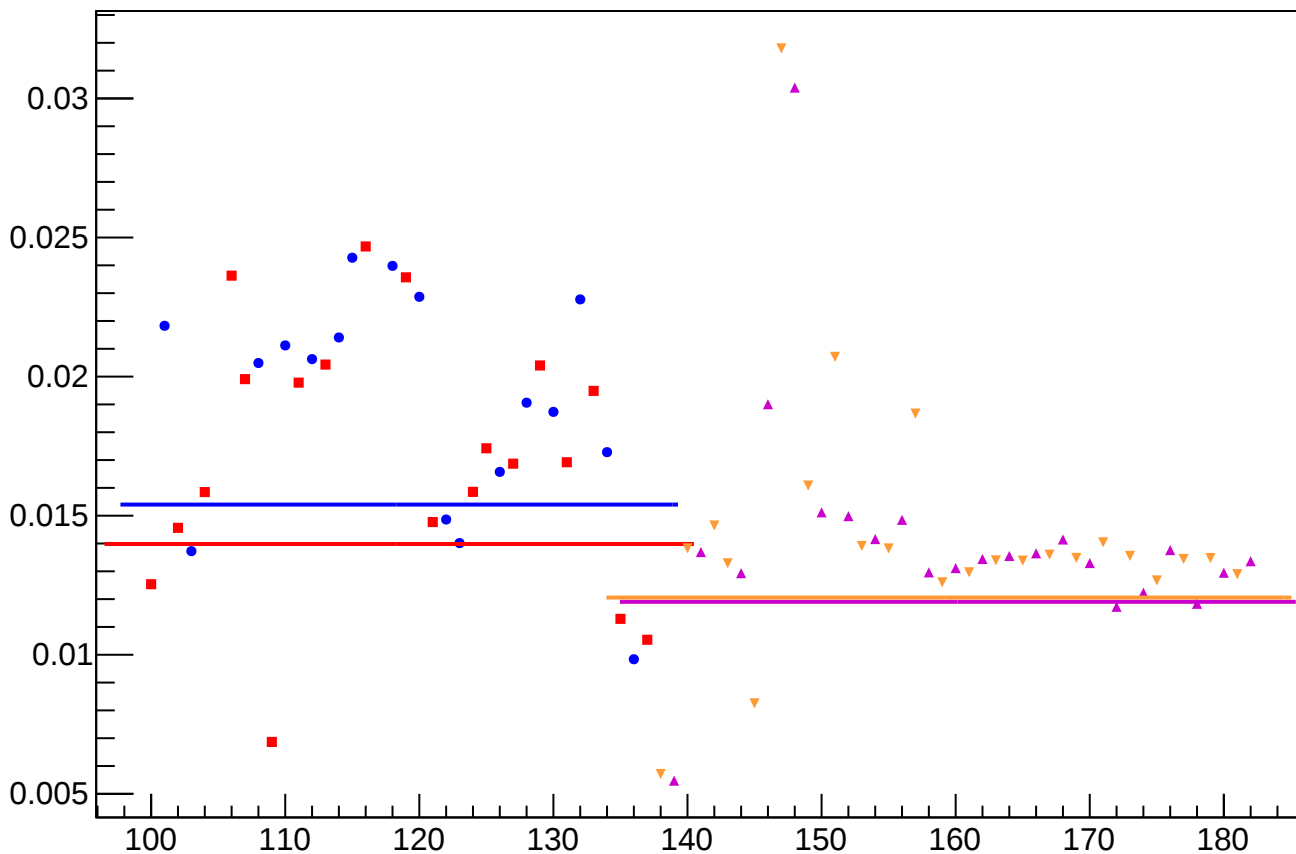
Right: 0.092 $\pm$ 0.000 χ^2 /NDF: 19274169233.1/35

In: 0.016 $\pm$ 0.000 χ^2 /NDF: 85749726829.0/38

Out: 0.051 $\pm$ 0.000 χ^2 /NDF: 108409619643.6/41

All: 0.034 $\pm$ 0.000 χ^2 /NDF: 194237760284.1

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1140025.0/16

Left Out: 0.012+/-0.000 χ^2/NDF :3094301.8/22

Right Out: 0.014+/-0.000 χ^2/NDF : 1557209.7/18

Left In: 0.012+/-0.000 χ^2/NDF :3098984.6/21

Left: 0.012+/-0.000 χ^2/NDF : 6195756.7/44

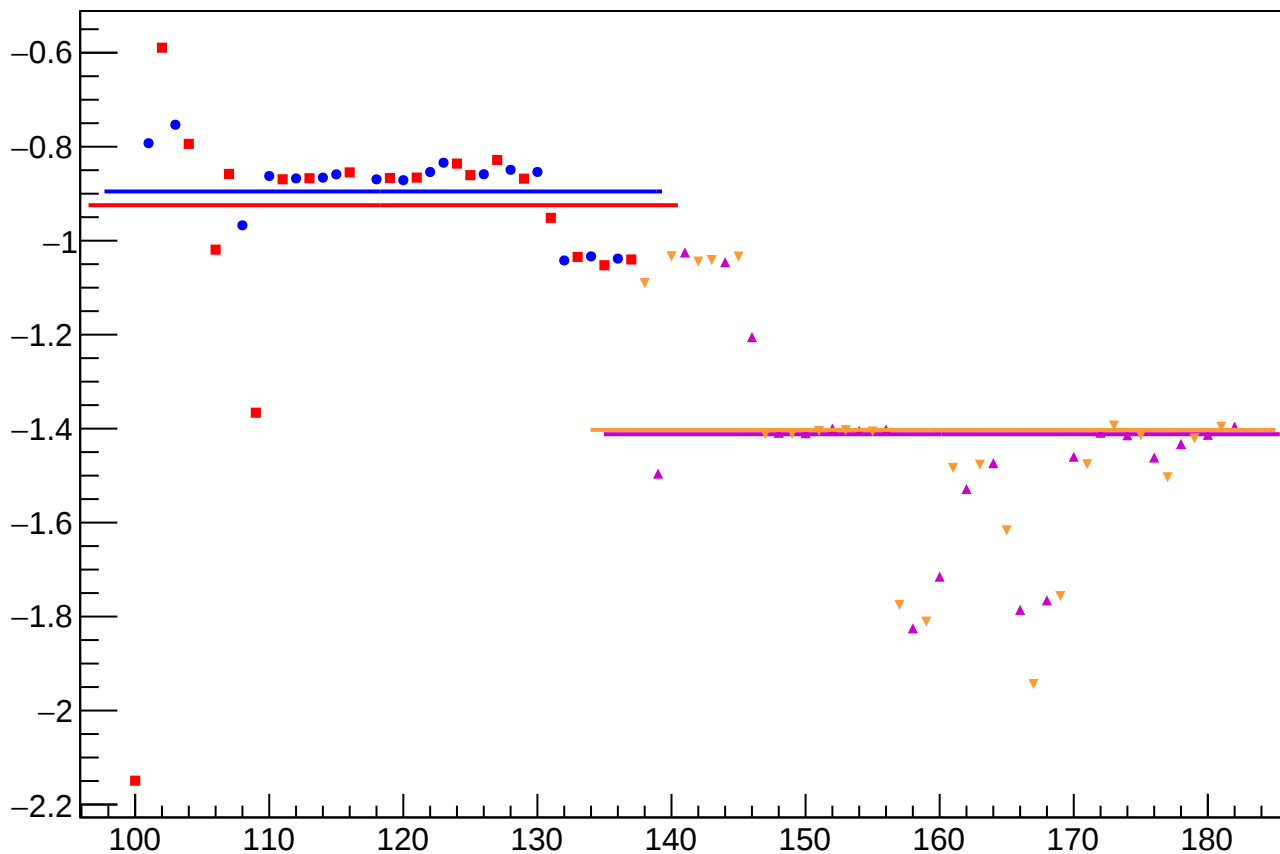
Right: 0.015+/-0.000 χ^2/NDF : 2749005.6/35

In: 0.013+/-0.000 χ^2/NDF :4708897.8/38

Out: 0.012+/-0.000 χ^2/NDF :4817562.3/41

All: 0.013+/-0.000 χ^2/NDF : 9527125.1/80

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.895+/-0.000 χ^2/NDF : 37924701.6/16

Left Out: -1.403+/-0.000 χ^2/NDF : 718109430.8/22

Right Out: -0.925+/-0.000 χ^2/NDF : 128433305.9/18

Left In: -1.412+/-0.000 χ^2/NDF : 512528426.4/21

Left: -1.407+/-0.000 χ^2/NDF : 1231141750.2/44

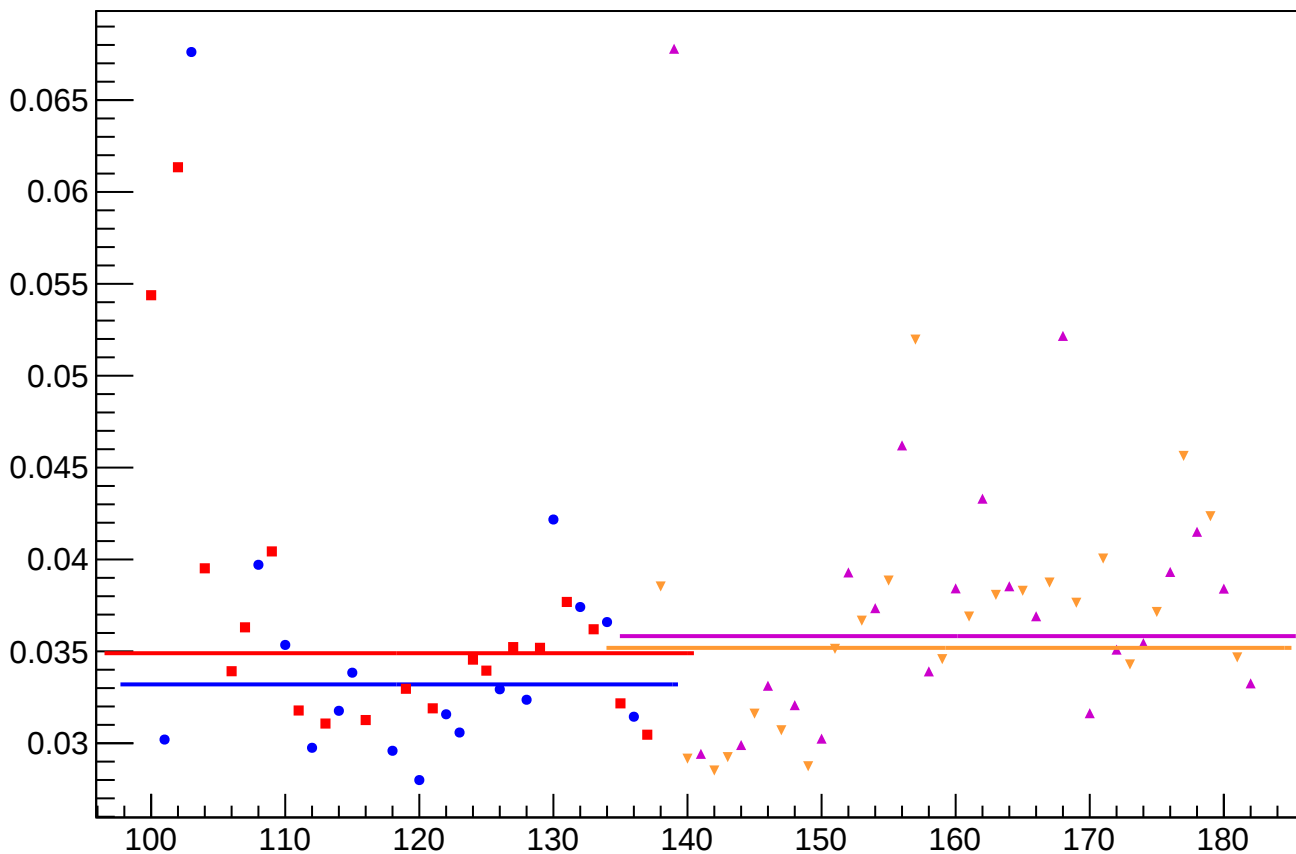
Right: -0.910+/-0.000 χ^2/NDF : 168551871.0/35

In: -1.253+/-0.000 χ^2/NDF : 1520432977.6/38

Out: -1.263+/-0.000 χ^2/NDF : 1661450930.4/41

All: -1.258+/-0.000 χ^2/NDF : 3182857865.1/8

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 399489.1/16

Left Out: 0.035+/-0.000 χ^2/NDF : 579533.1/22

Right Out: 0.035+/-0.000 χ^2/NDF : 275503.7/18

Left In: 0.036+/-0.000 χ^2/NDF : 890897.3/21

Left: 0.036+/-0.000 χ^2/NDF : 1475333.4/44

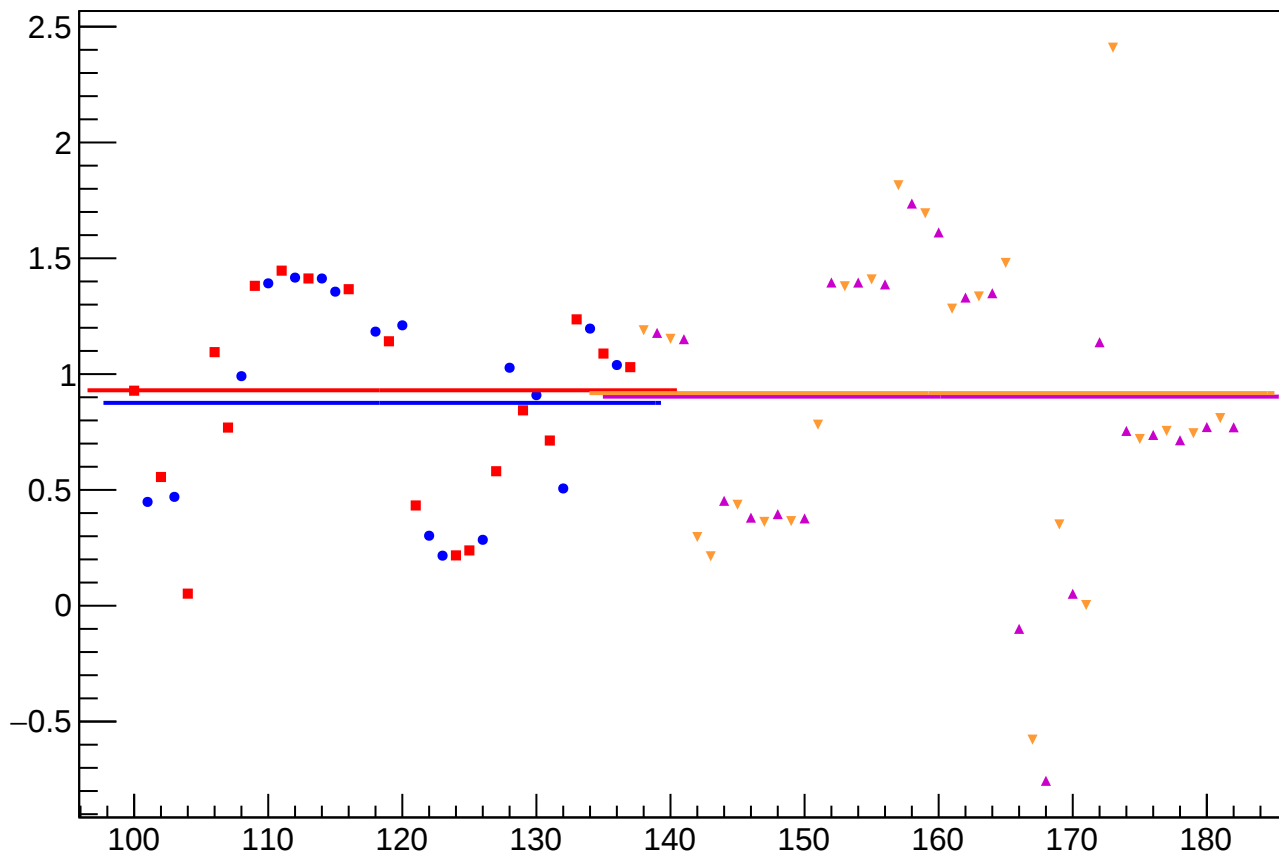
Right: 0.034+/-0.000 χ^2/NDF : 689800.6/35

In: 0.035+/-0.000 χ^2/NDF : 1340560.2/38

Out: 0.035+/-0.000 χ^2/NDF : 855639.1/41

All: 0.035+/-0.000 χ^2/NDF : 2196326.4/80

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.876+/-0.000

χ^2/NDF : 6459481069.8/16

Left: 0.910+/-0.000

χ^2/NDF : 150109099160.3/44

Left Out: 0.918+/-0.000

χ^2/NDF : 83206085536.2/22

Right: 0.904+/-0.000

χ^2/NDF : 16496180845.3/35

Right Out: 0.930+/-0.000

χ^2/NDF : 9956405982.6/18

In: 0.897+/-0.000

χ^2/NDF : 73368768374.5/38

Left In: 0.903+/-0.000

χ^2/NDF : 66879161750.9/21

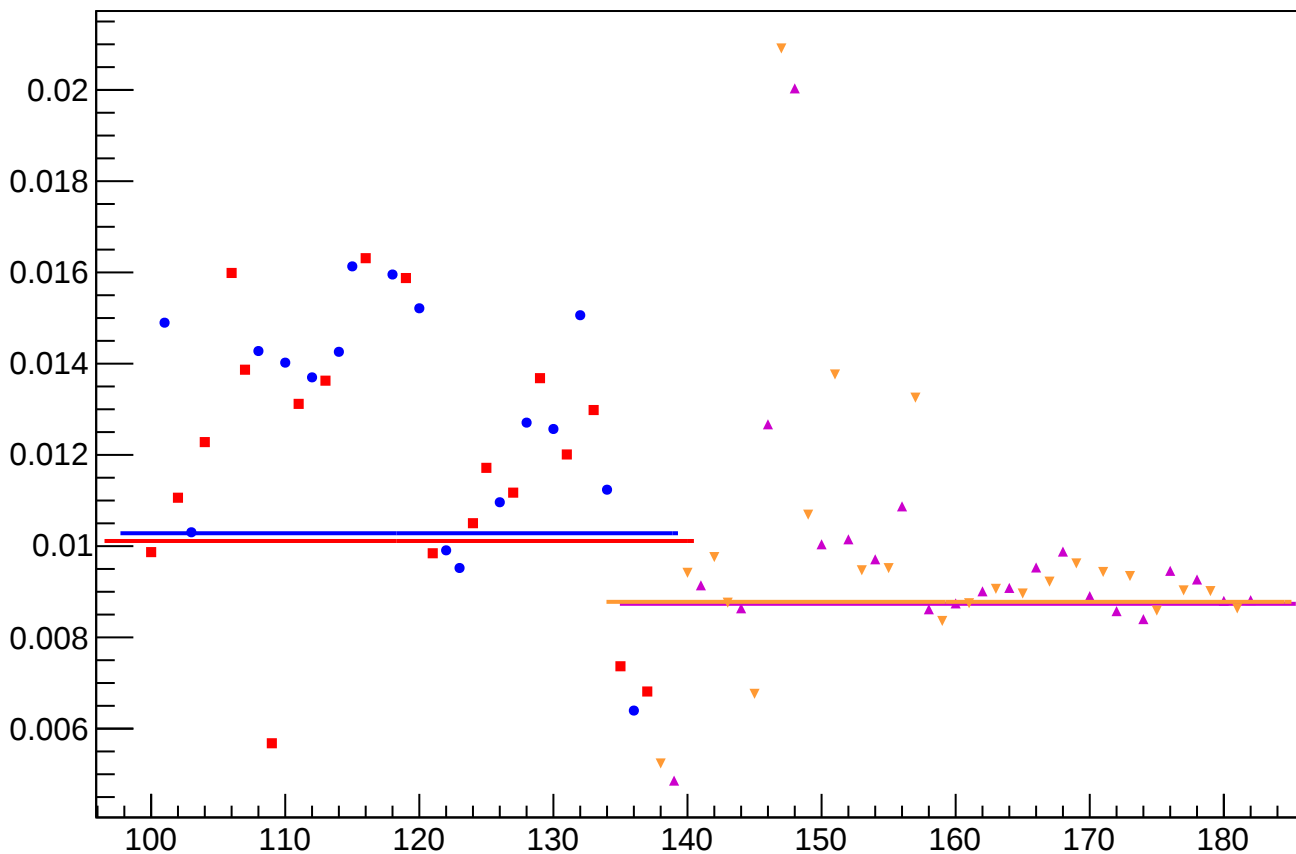
Out: 0.921+/-0.000

χ^2/NDF : 93169066372.4/41

All: 0.909+/-0.000

χ^2/NDF : 166608684202.3

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 1205873.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 1697971.9/22

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1173455.7/18

Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 1669983.7/21

Left: 0.009 $\pm$ 0.000 χ^2/NDF : 3368344.0/44

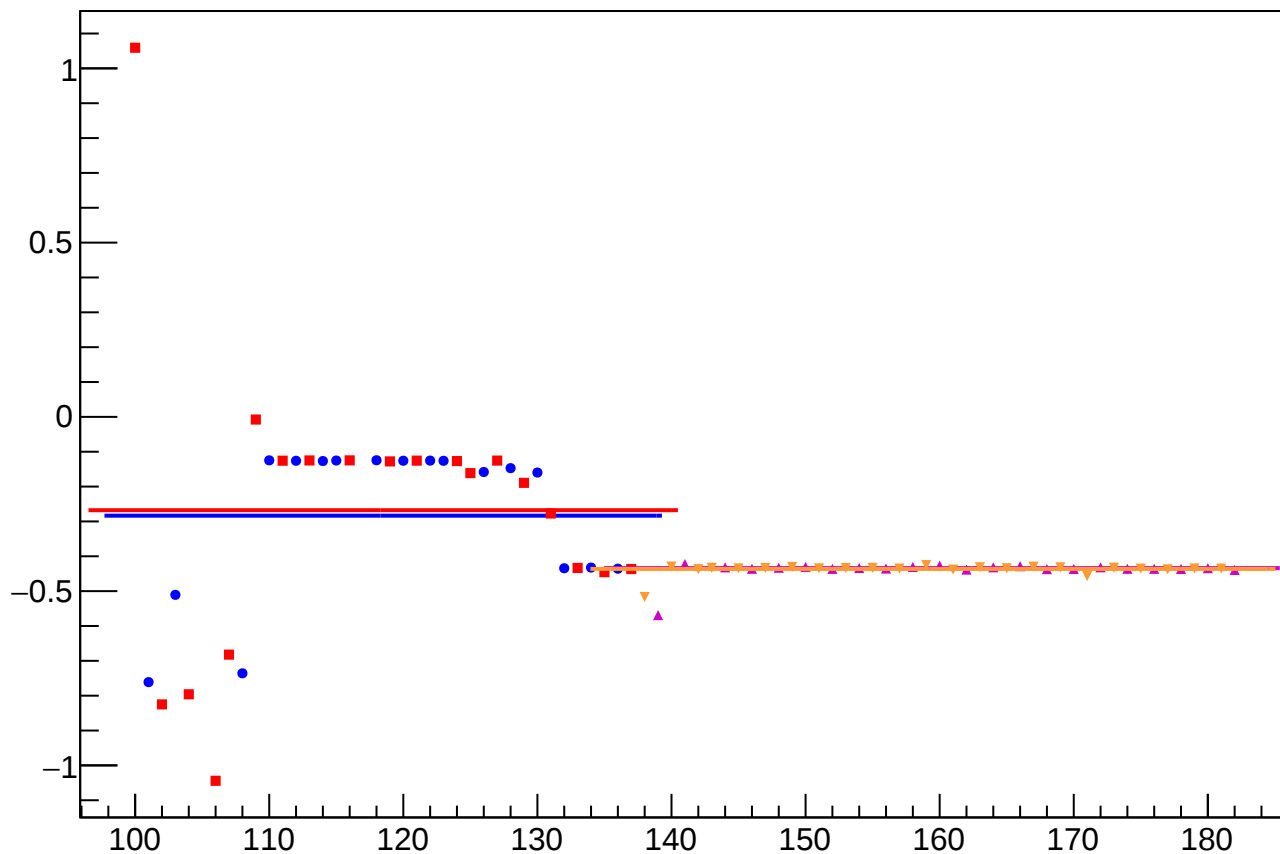
Right: 0.010 $\pm$ 0.000 χ^2/NDF : 2380897.7/35

In: 0.009 $\pm$ 0.000 χ^2/NDF : 3075194.2/38

Out: 0.009 $\pm$ 0.000 χ^2/NDF : 3030109.8/41

All: 0.009 $\pm$ 0.000 χ^2/NDF : 6105372.0/80

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.283 ± 0.000 $\chi^2/\text{NDF}: 894148140.5/16$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28775744.1/22$

Right Out: -0.268 ± 0.000 $\chi^2/\text{NDF}: 965641428.6/18$

Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 20161259.3/21$

Left: -0.435 ± 0.000 $\chi^2/\text{NDF}: 49325908.3/44$

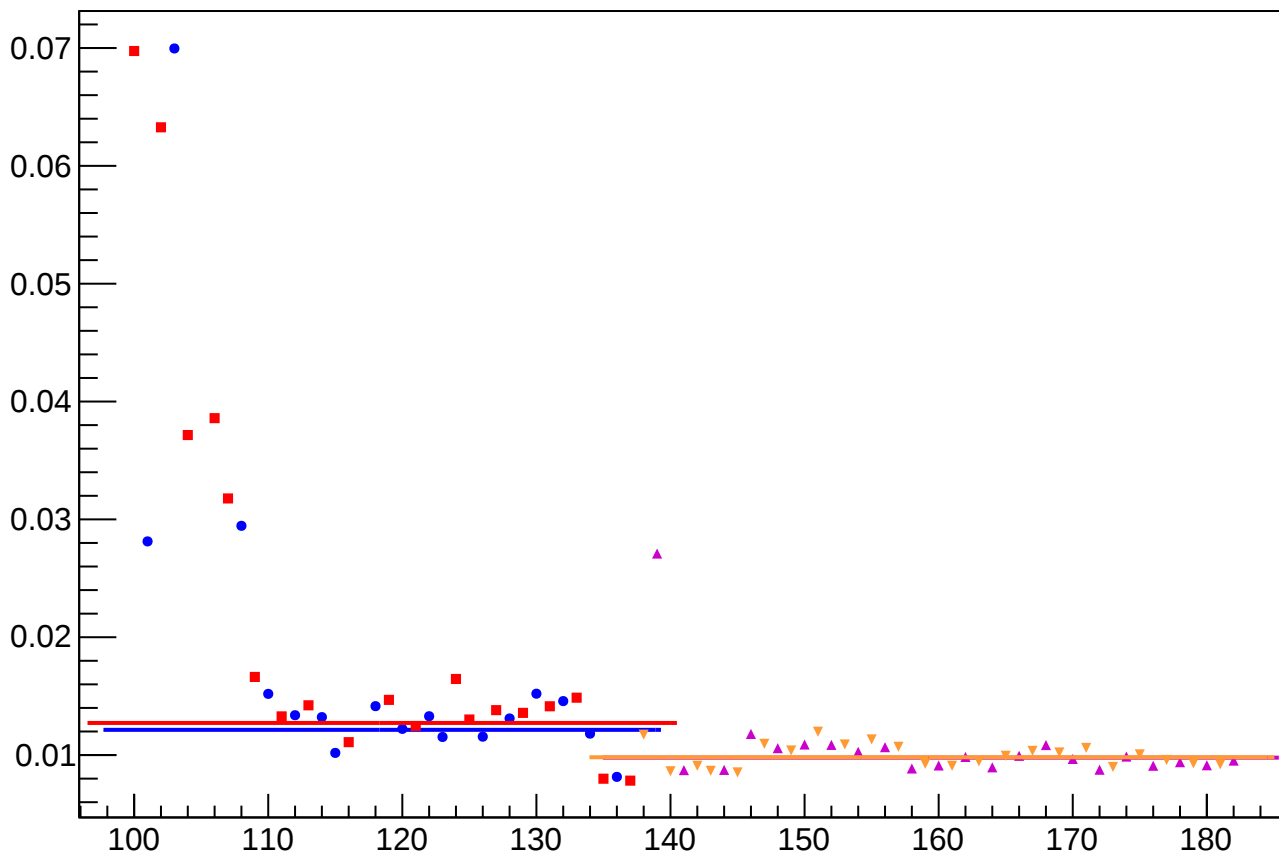
Right: -0.276 ± 0.000 $\chi^2/\text{NDF}: 1863547180.1/35$

In: -0.408 ± 0.000 $\chi^2/\text{NDF}: 1504705653.0/38$

Out: -0.409 ± 0.000 $\chi^2/\text{NDF}: 1701402237.4/41$

All: -0.408 ± 0.000 $\chi^2/\text{NDF}: 3206185650.3/8$

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1720286.9/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:262241.8/22

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1968271.3/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:785786.0/21

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 1048207.5/44

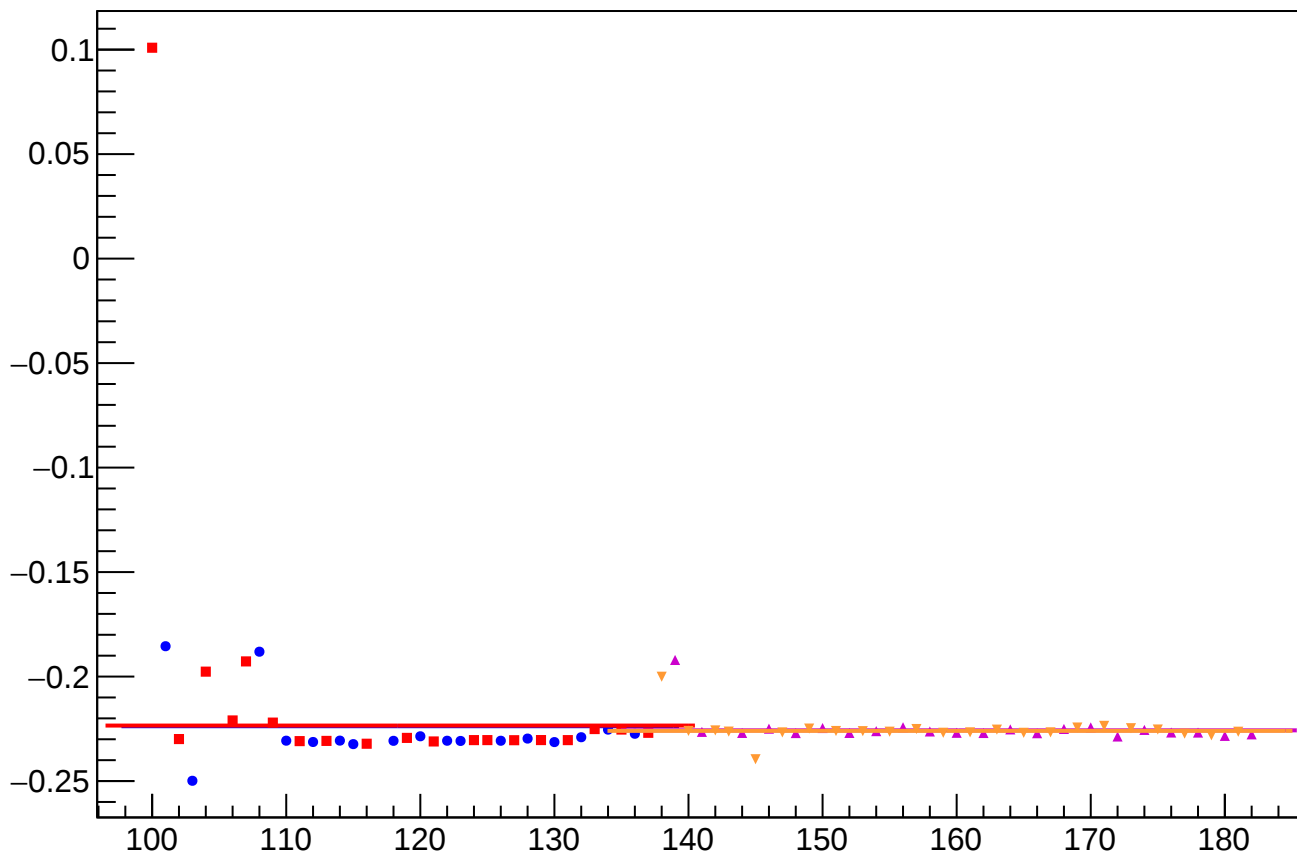
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 3699016.9/35

In: 0.010 $\pm$ 0.000 χ^2 /NDF:2796672.9/38

Out: 0.010 $\pm$ 0.000 χ^2 /NDF:2652902.7/41

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5451369.2/80

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF : 74201194.4/16

Left Out: -0.226+/-0.000 χ^2/NDF : 21100043.4/22

Right Out: -0.223+/-0.000 χ^2/NDF : 167794506.7/18

Left In: -0.226+/-0.000 χ^2/NDF : 13716121.8/21

Left: -0.226+/-0.000 χ^2/NDF : 34835454.1/44

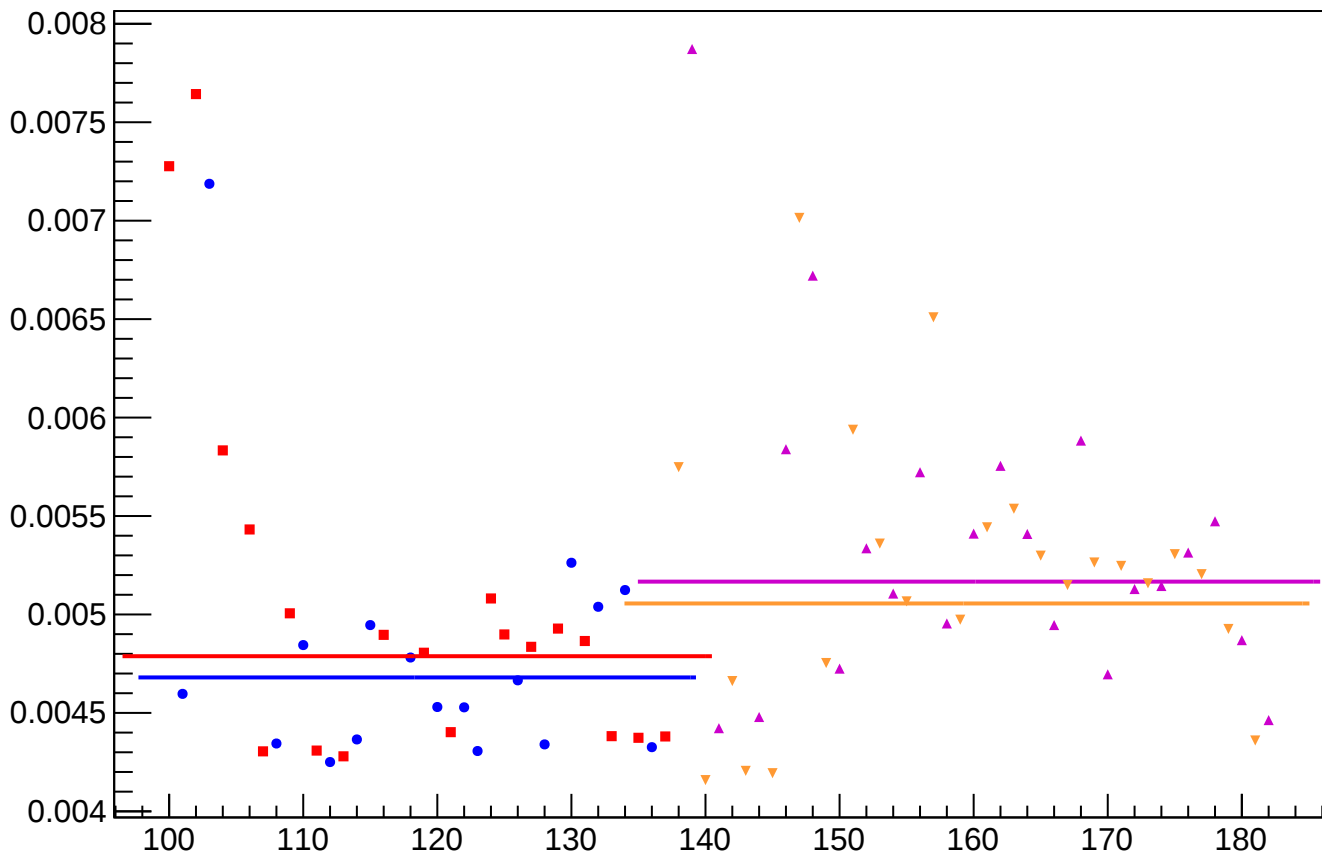
Right: -0.224+/-0.000 χ^2/NDF : 242009294.1/35

In: -0.225+/-0.000 χ^2/NDF : 88645172.2/38

Out: -0.225+/-0.000 χ^2/NDF : 190135667.6/41

All: -0.225+/-0.000 χ^2/NDF : 278784635.4/80

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 180080.7/16

Left Out: 0.005+/-0.000 χ^2/NDF : 500424.2/22

Right Out: 0.005+/-0.000 χ^2/NDF : 248599.9/18

Left In: 0.005+/-0.000 χ^2/NDF : 487749.7/21

Left: 0.005+/-0.000 χ^2/NDF : 995808.8/44

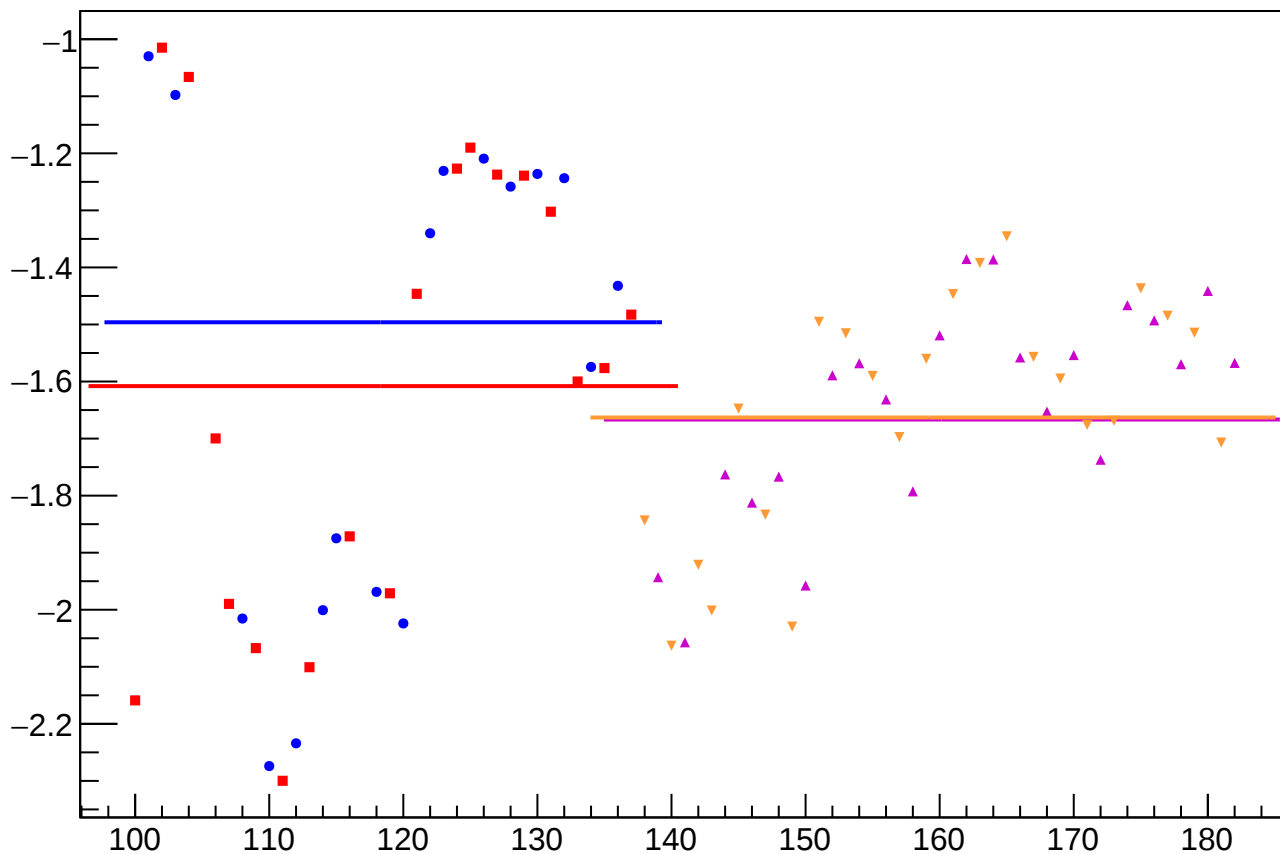
Right: 0.005+/-0.000 χ^2/NDF : 431873.8/35

In: 0.005+/-0.000 χ^2/NDF : 756707.8/38

Out: 0.005+/-0.000 χ^2/NDF : 776789.8/41

All: 0.005+/-0.000 χ^2/NDF : 1535014.2/80

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2 /NDF: 22454192322.7/16

Left Out: -1.663+/-0.000 χ^2 /NDF: 17944516014.5/22

Right Out: -1.608+/-0.000 χ^2 /NDF: 27842216222.3/18

Left In: -1.667+/-0.000 χ^2 /NDF: 14611625673.6/21

Left: -1.665+/-0.000 χ^2 /NDF: 32558749682.6/44

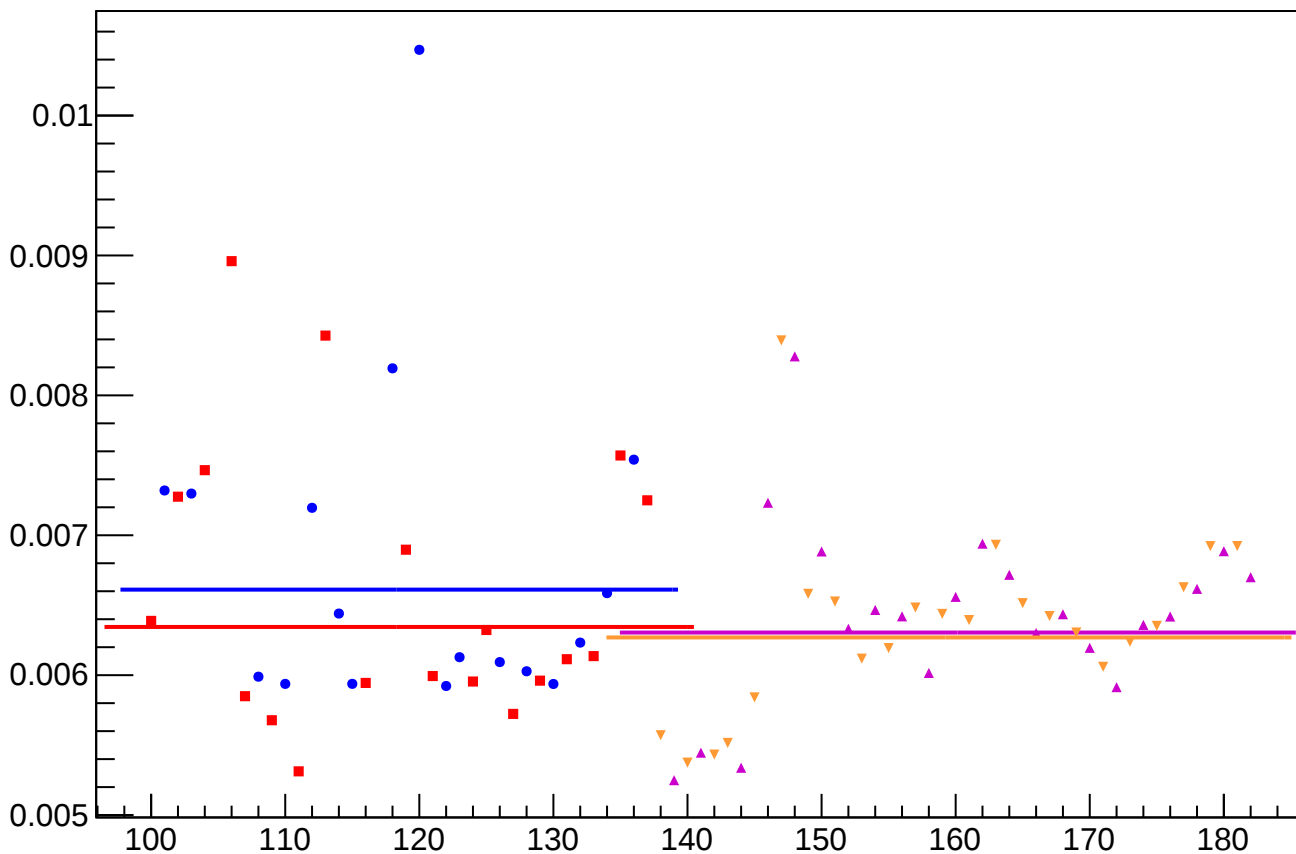
Right: -1.557+/-0.000 χ^2 /NDF: 51233549313.5/35

In: -1.624+/-0.000 χ^2 /NDF: 40065933791.0/38

Out: -1.648+/-0.000 χ^2 /NDF: 46142585791.8/41

All: -1.636+/-0.000 χ^2 /NDF: 86373497421.6/100

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 199824.5/16

Left Out: 0.006+/-0.000 χ^2/NDF : 267205.9/22

Right Out: 0.006+/-0.000 χ^2/NDF : 228249.0/18

Left In: 0.006+/-0.000 χ^2/NDF : 320522.9/21

Left: 0.006+/-0.000 χ^2/NDF : 588240.5/44

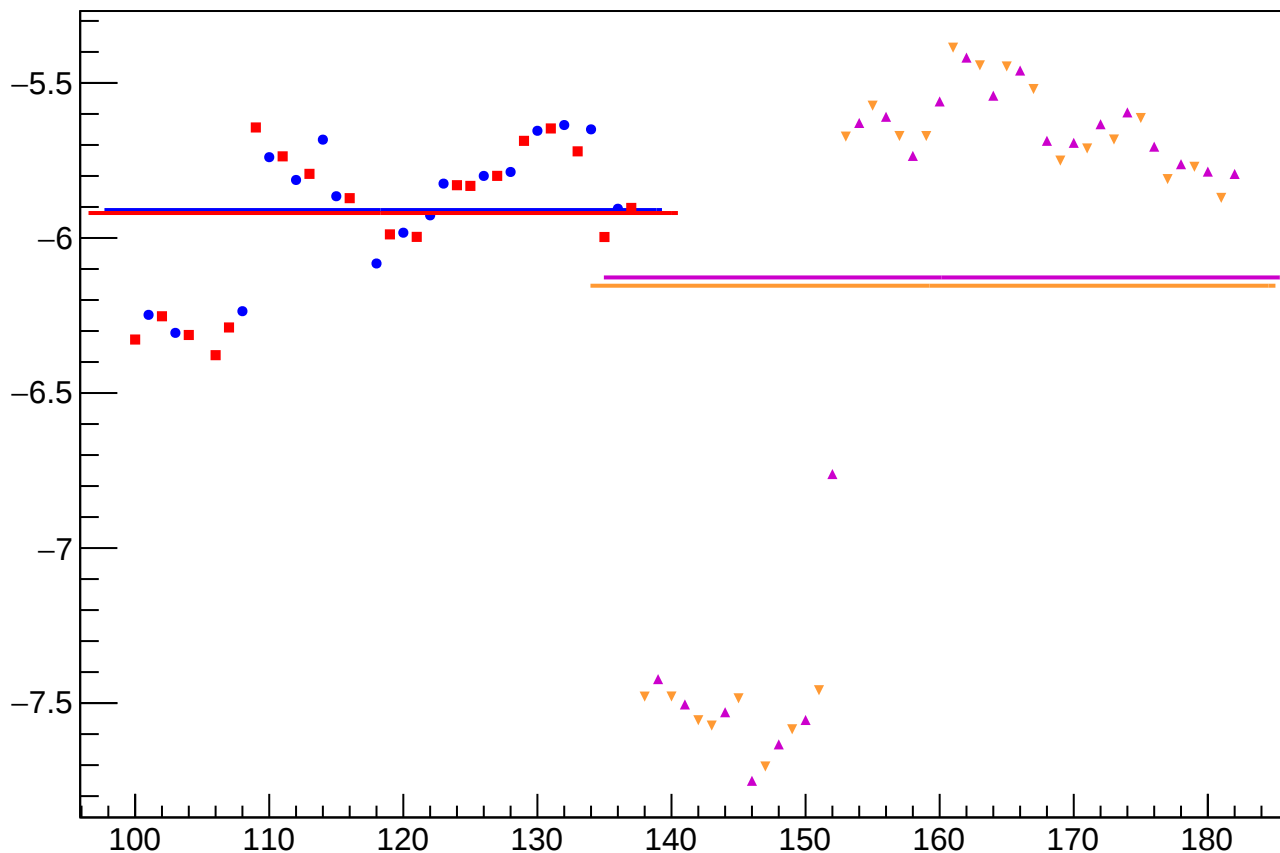
Right: 0.006+/-0.000 χ^2/NDF : 438730.8/35

In: 0.006+/-0.000 χ^2/NDF : 539783.7/38

Out: 0.006+/-0.000 χ^2/NDF : 496779.6/41

All: 0.006+/-0.000 χ^2/NDF : 1041312.0/80

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.910+/-0.000

χ^2/NDF : 11105112836.5/16

Left: -6.141+/-0.000

χ^2/NDF : 340928721621.2/44

Left Out: -6.154+/-0.000

χ^2/NDF : 181559238284.0/22

Right: -5.915+/-0.000

χ^2/NDF : 23931726367.2/35

Right Out: -5.919+/-0.000

χ^2/NDF : 12816906660.3/18

In: -6.029+/-0.000

χ^2/NDF : 175616497964.6/38

Out: -6.043+/-0.000

χ^2/NDF : 200838270055.9/41

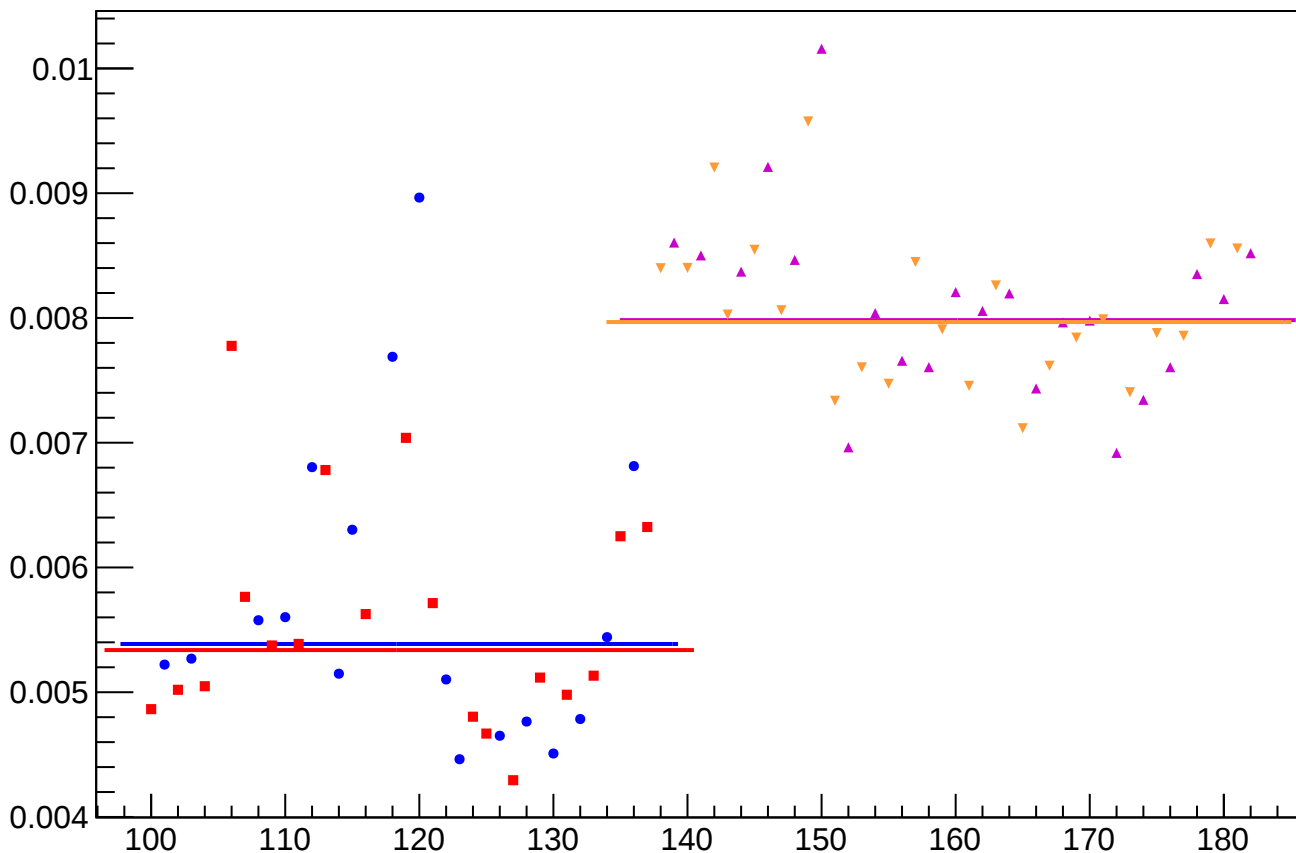
Left In: -6.127+/-0.000

χ^2/NDF : 159281479128.3/21

All: -6.036+/-0.000

χ^2/NDF : 376497705279.3

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 346475.5/16

Left Out: 0.008+/-0.000 χ^2/NDF :141006.9/22

Right Out: 0.005+/-0.000 χ^2/NDF : 246912.5/18

Left In: 0.008+/-0.000 χ^2/NDF :213083.1/21

Left: 0.008+/-0.000 χ^2/NDF : 354150.5/44

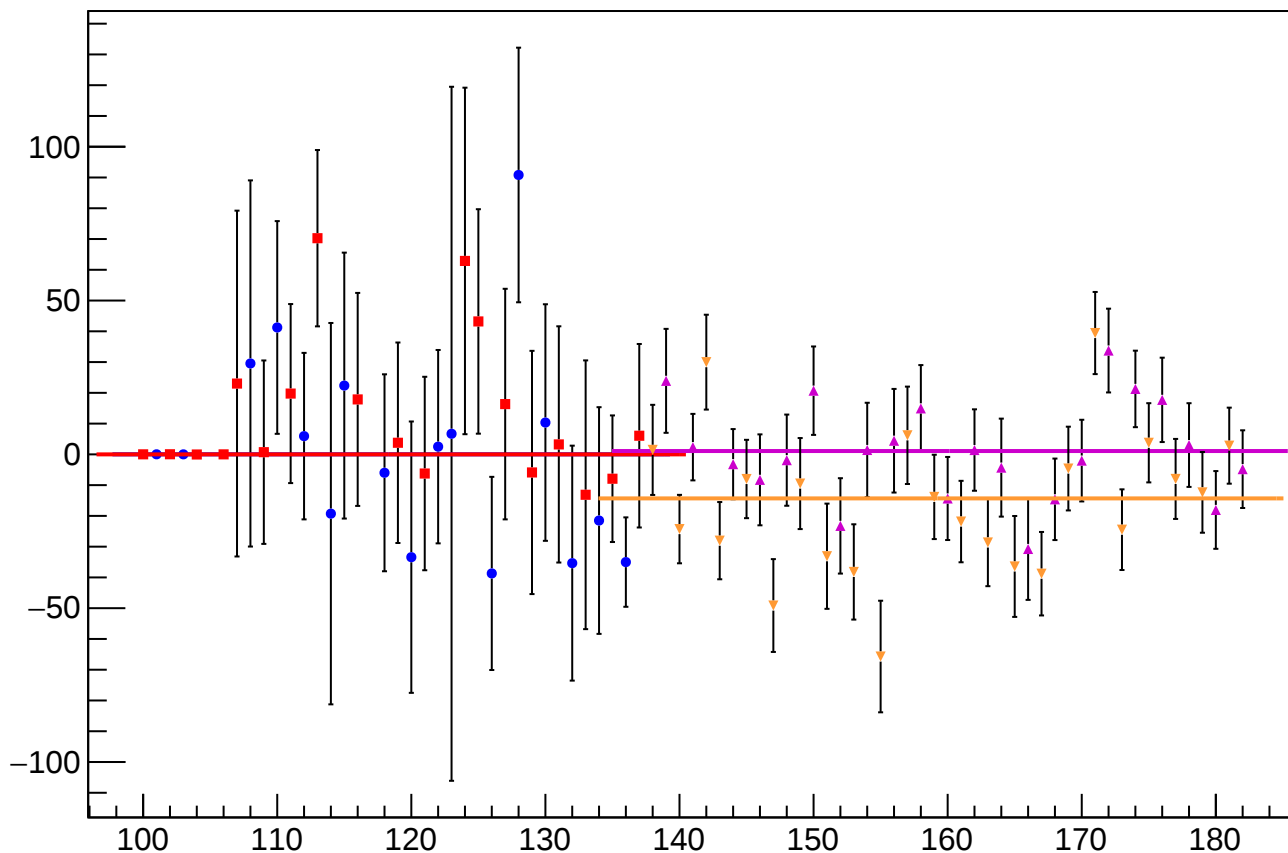
Right: 0.005+/-0.000 χ^2/NDF : 593891.3/35

In: 0.007+/-0.000 χ^2/NDF :2051961.7/38

Out: 0.007+/-0.000 χ^2/NDF :2013480.1/41

All: 0.007+/-0.000 χ^2/NDF : 4069165.5/80

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 16.3/16$

Left Out: -14.313 ± 2.895 $\chi^2/\text{NDF}: 58.3/22$

Right Out: -0.003 ± 0.016 $\chi^2/\text{NDF}: 14.9/18$

Left In: 1.084 ± 2.936 $\chi^2/\text{NDF}: 26.7/21$

Left: -6.723 ± 2.062 $\chi^2/\text{NDF}: 98.9/44$

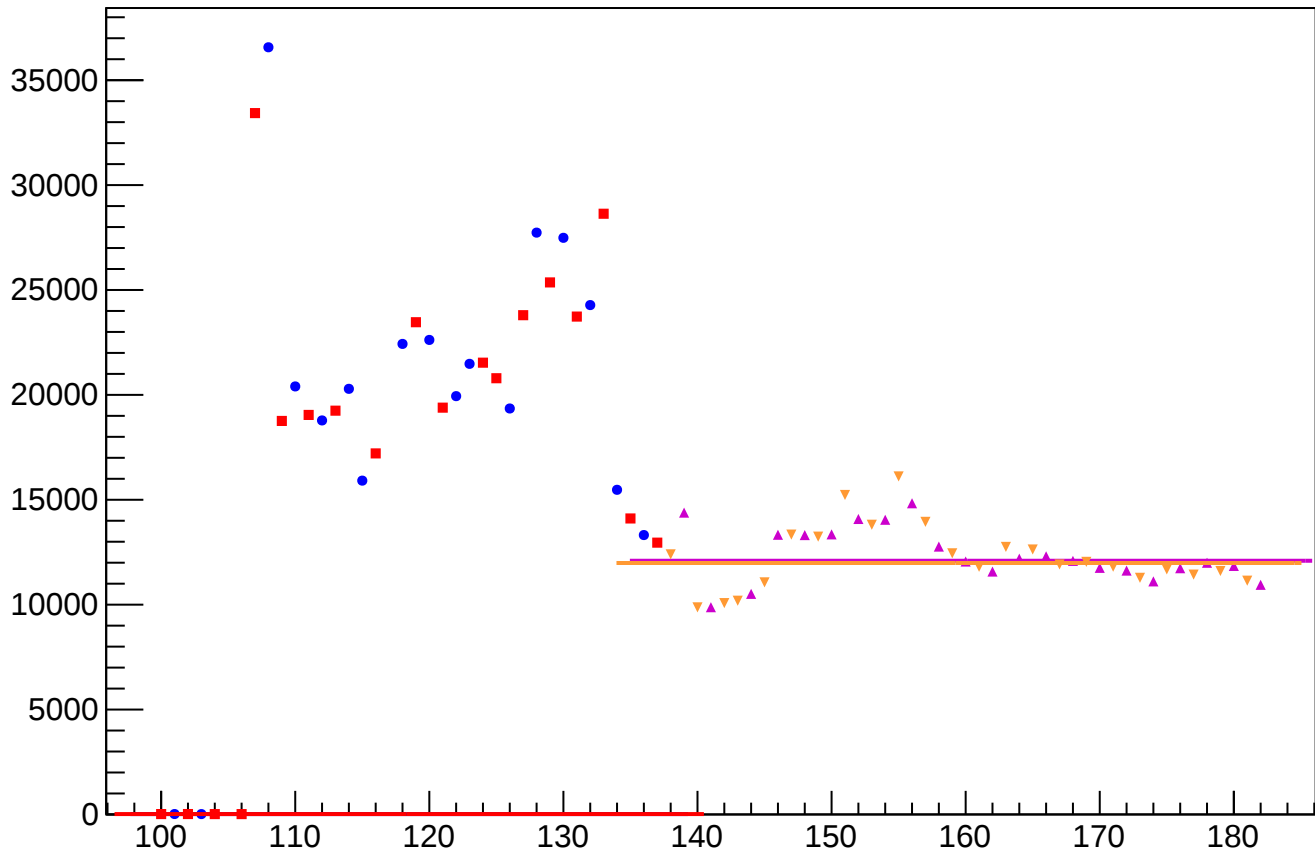
Right: 0.004 ± 0.012 $\chi^2/\text{NDF}: 31.7/35$

In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 43.1/38$

Out: -0.004 ± 0.016 $\chi^2/\text{NDF}: 97.6/41$

All: 0.004 ± 0.012 $\chi^2/\text{NDF}: 141.3/80$

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.640+/-0.012 χ^2/NDF : 10799270.4/16

Left Out: 11986.537+/-2.047 χ^2/NDF : 454058.4/22

Right Out: 18.311+/-0.011 χ^2/NDF : 11056055.0/18

Left In: 12093.169+/-2.076 χ^2/NDF : 363380.0/21

Left: 12039.101+/-1.458 χ^2/NDF : 818775.8/44

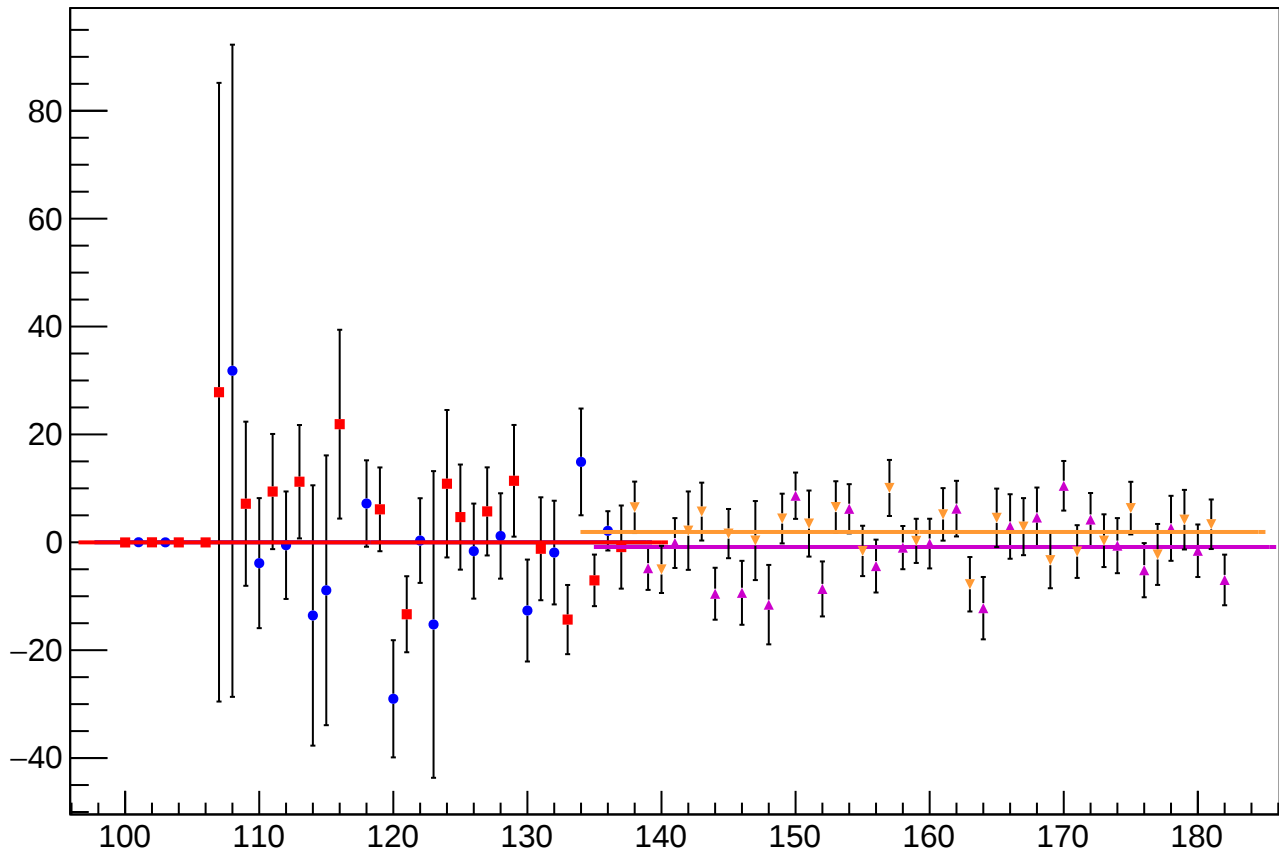
Right: 18.463+/-0.008 χ^2/NDF : 21855713.8/35

In: 19.061+/-0.012 χ^2/NDF : 44981084.0/38

Out: 18.680+/-0.011 χ^2/NDF : 45687223.8/41

All: 18.856+/-0.008 χ^2/NDF : 90668828.2/80

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.009 χ^2/NDF : 14.6/16

Left Out: 1.915 $\pm$ 1.053 χ^2/NDF :16.2/22

Right Out: -0.014 $\pm$ -0.009 χ^2/NDF : 18.6/18

Left In: -0.870 $\pm$ -1.054 χ^2/NDF :35.6/21

Left: 0.524 $\pm$ -0.745 χ^2/NDF : 55.3/44

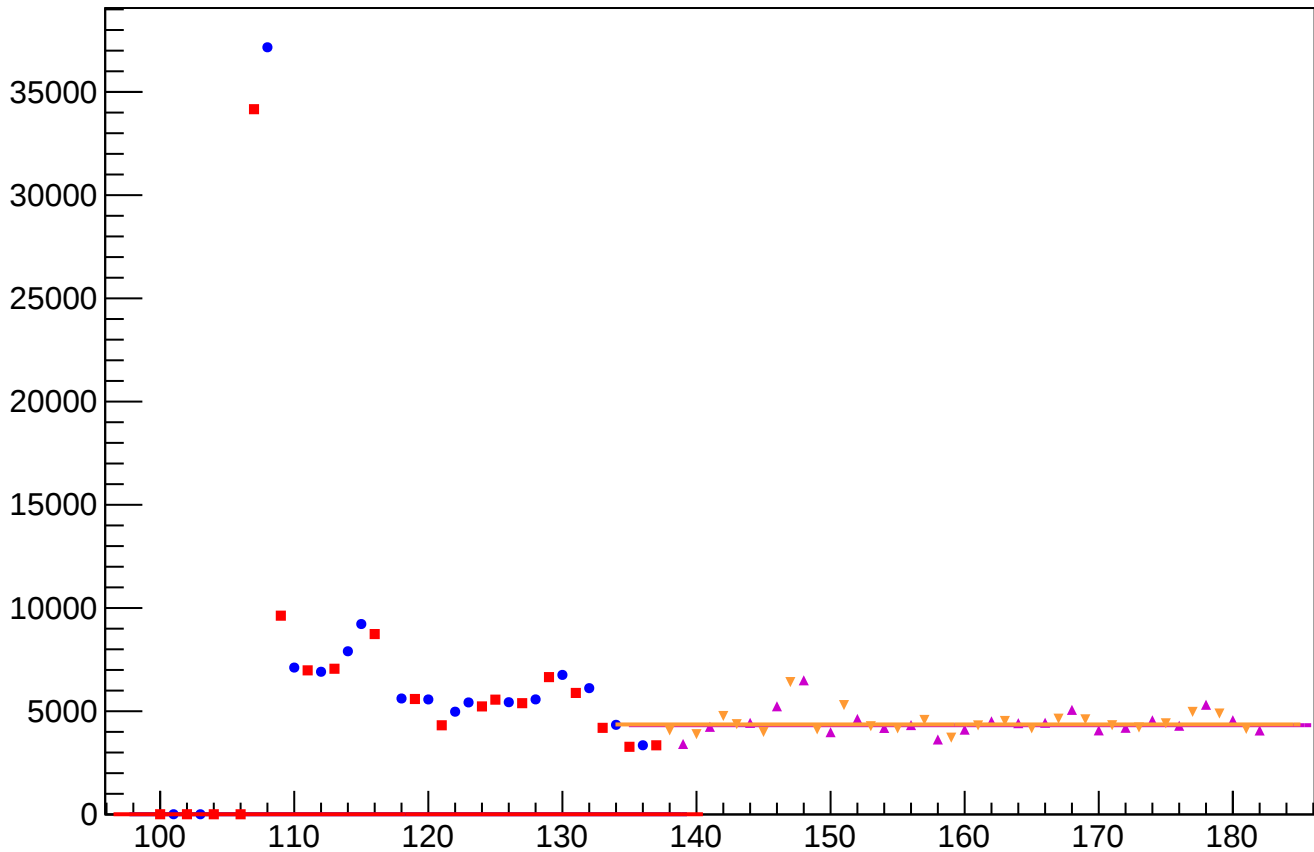
Right: -0.007 $\pm$ -0.006 χ^2/NDF : 34.6/35

In: 0.001 $\pm$ -0.009 χ^2/NDF :50.9/38

Out: -0.014 $\pm$ -0.009 χ^2/NDF :38.1/41

All: -0.007 $\pm$ -0.006 χ^2/NDF : 90.5/80

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938 $\pm$ 0.007 χ^2 /NDF: 10926318.4/16

Left Out: 4360.258 $\pm$ 0.745 χ^2 /NDF:378845.7/22

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11106435.3/18

Left In: 4323.643 $\pm$ 0.745 χ^2 /NDF:527394.3/21

Left: 4341.968 $\pm$ 0.527 χ^2 /NDF: 907448.1/44

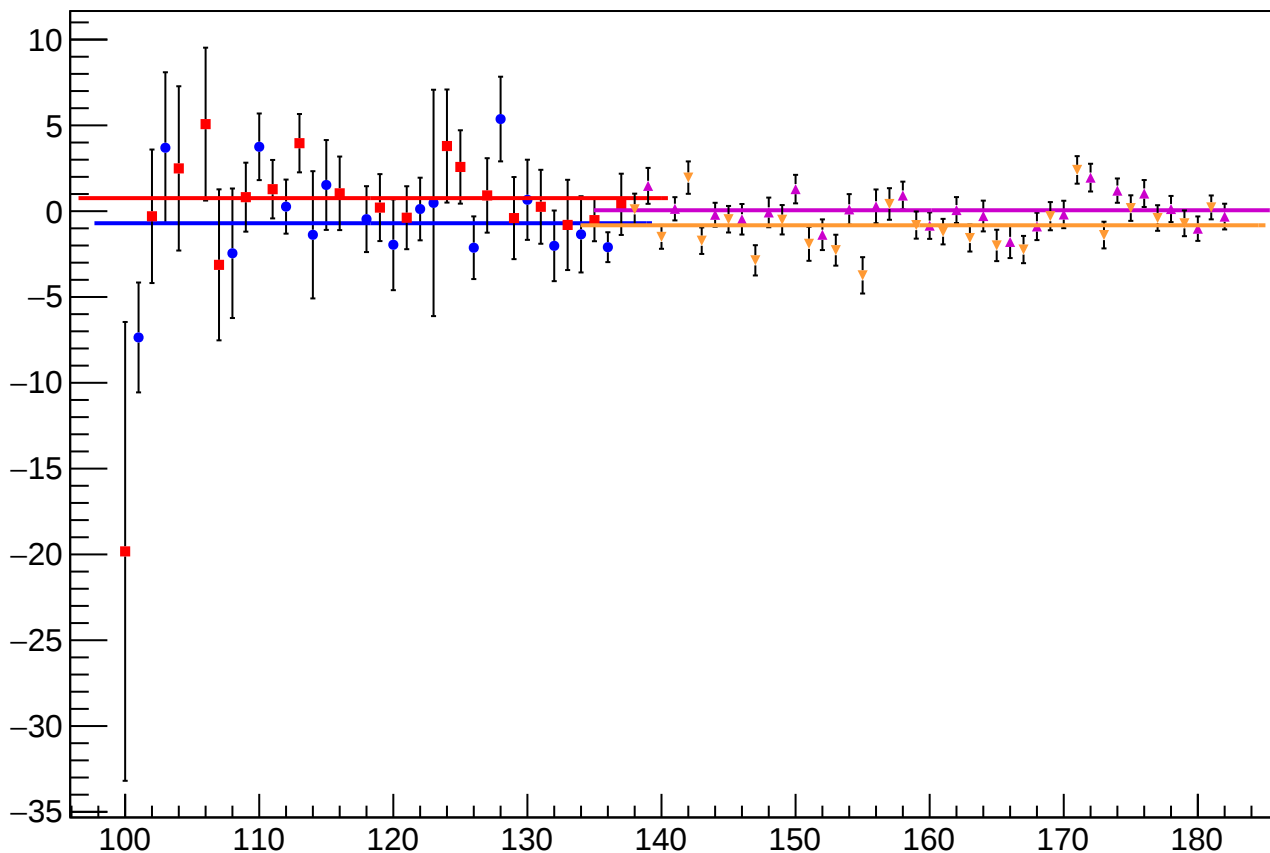
Right: 9.893 $\pm$ 0.004 χ^2 /NDF: 22032841.6/35

In: 10.266 $\pm$ 0.007 χ^2 /NDF:44954550.9/38

Out: 10.147 $\pm$ 0.006 χ^2 /NDF:45625378.2/41

All: 10.203 $\pm$ 0.004 χ^2 /NDF: 90580106.4/80

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.702 ± 0.485 χ^2/NDF : 22.5/16

Left Out: -0.822 ± 0.170 χ^2/NDF : 58.4/22

Right Out: 0.760 ± 0.502 χ^2/NDF : 11.8/18

Left In: 0.054 ± 0.172 χ^2/NDF : 27.3/21

Left: -0.389 ± 0.121 χ^2/NDF : 98.8/44

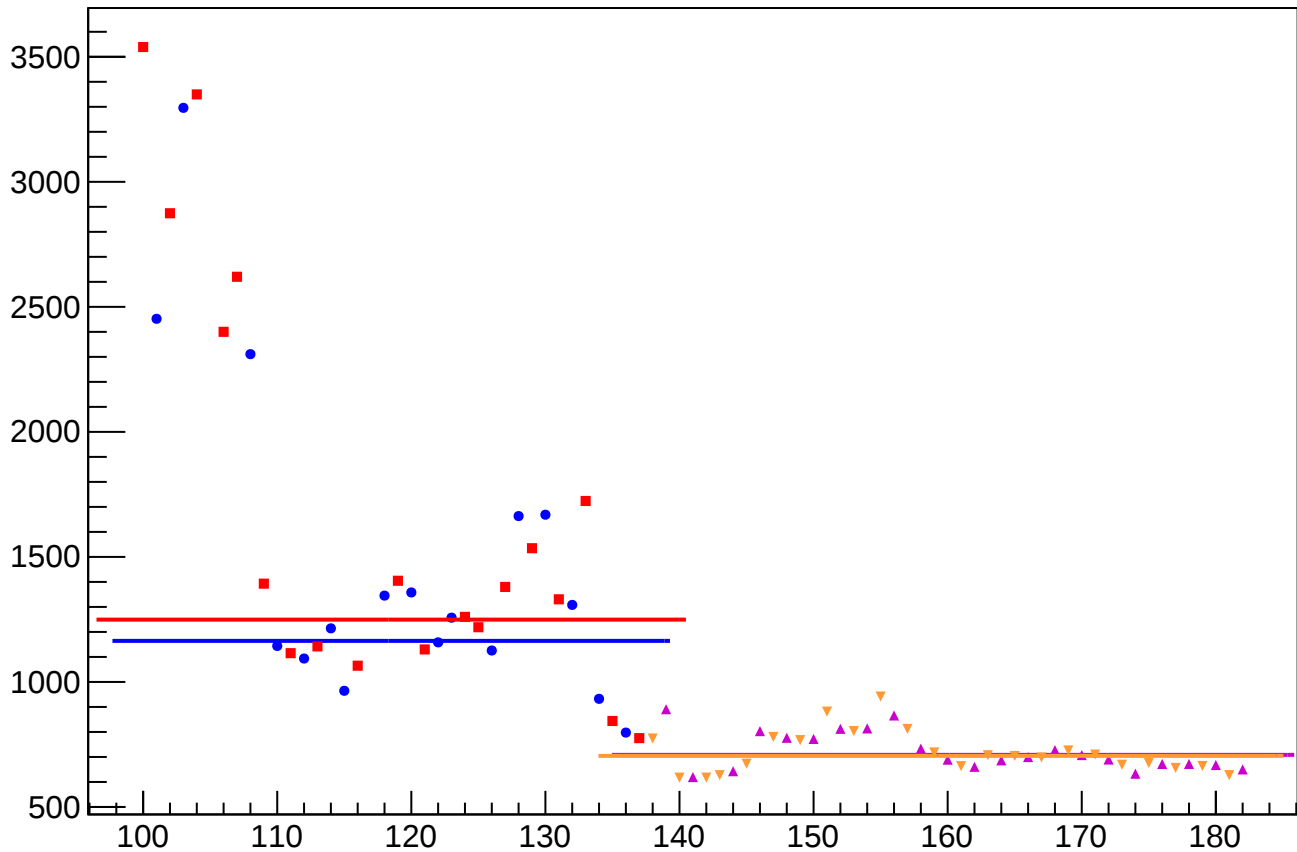
Right: 0.004 ± 0.349 χ^2/NDF : 38.6/35

In: -0.030 ± 0.162 χ^2/NDF : 52.0/38

Out: -0.659 ± 0.161 χ^2/NDF : 79.0/41

All: -0.347 ± 0.114 χ^2/NDF : 138.6/80

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.211+/-0.343 χ^2/NDF : 1586062.6/16

Left Out: 704.384+/-0.120 χ^2/NDF : 378718.1/22

Right Out: 1249.273+/-0.355 χ^2/NDF : 1649434.8/18

Left In: 708.374+/-0.122 χ^2/NDF : 331401.8/21

Left: 706.356+/-0.085 χ^2/NDF : 710665.1/44

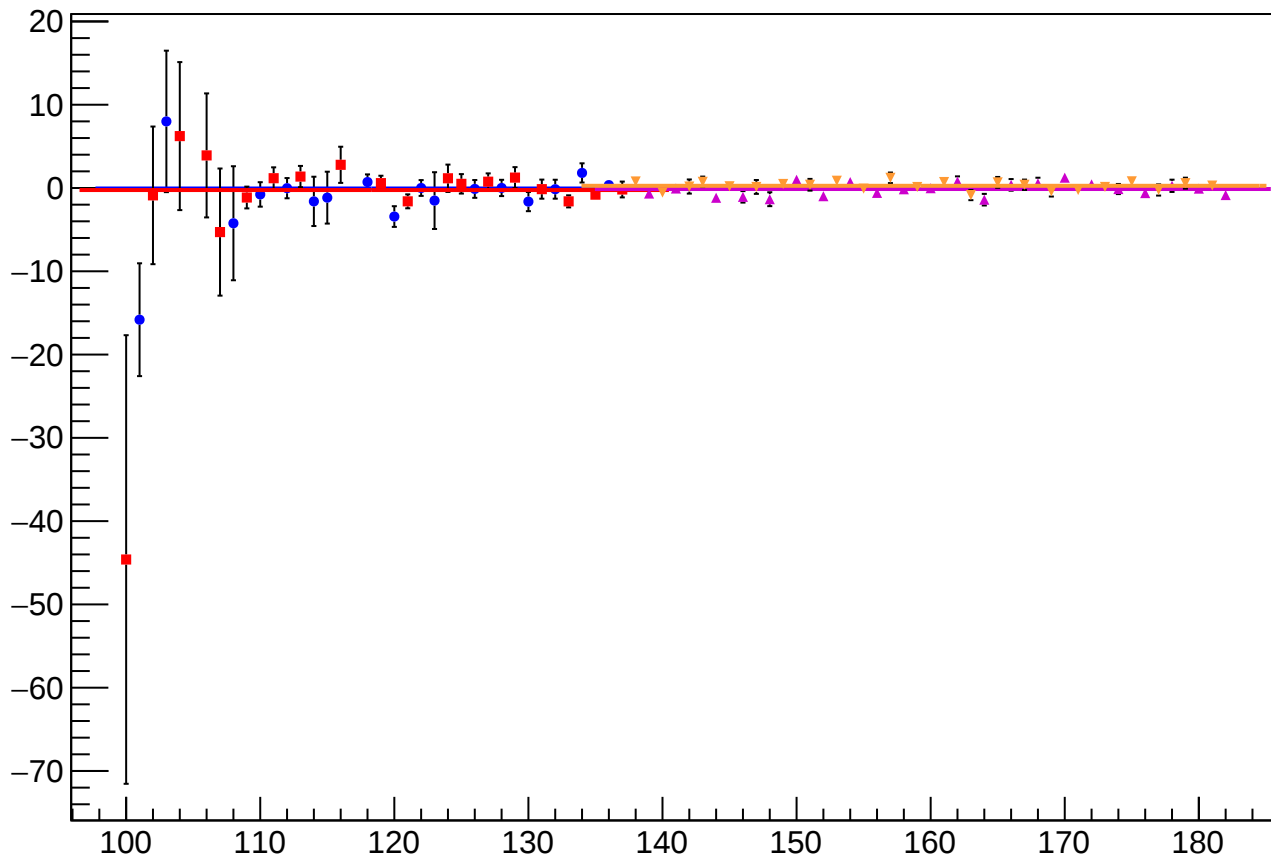
Right: 1205.271+/-0.247 χ^2/NDF : 3265191.3/35

In: 759.231+/-0.115 χ^2/NDF : 3486981.1/38

Out: 760.360+/-0.114 χ^2/NDF : 4141637.9/41

All: 759.799+/-0.081 χ^2/NDF : 7628667.8/80

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.060 ± 0.271 χ^2/NDF : 20.9/16

Left Out: 0.265 ± 0.126 χ^2/NDF : 15.8/22

Right Out: -0.245 ± 0.265 χ^2/NDF : 20.7/18

Left In: -0.120 ± 0.127 χ^2/NDF : 34.9/21

Left: 0.073 ± 0.089 χ^2/NDF : 55.3/44

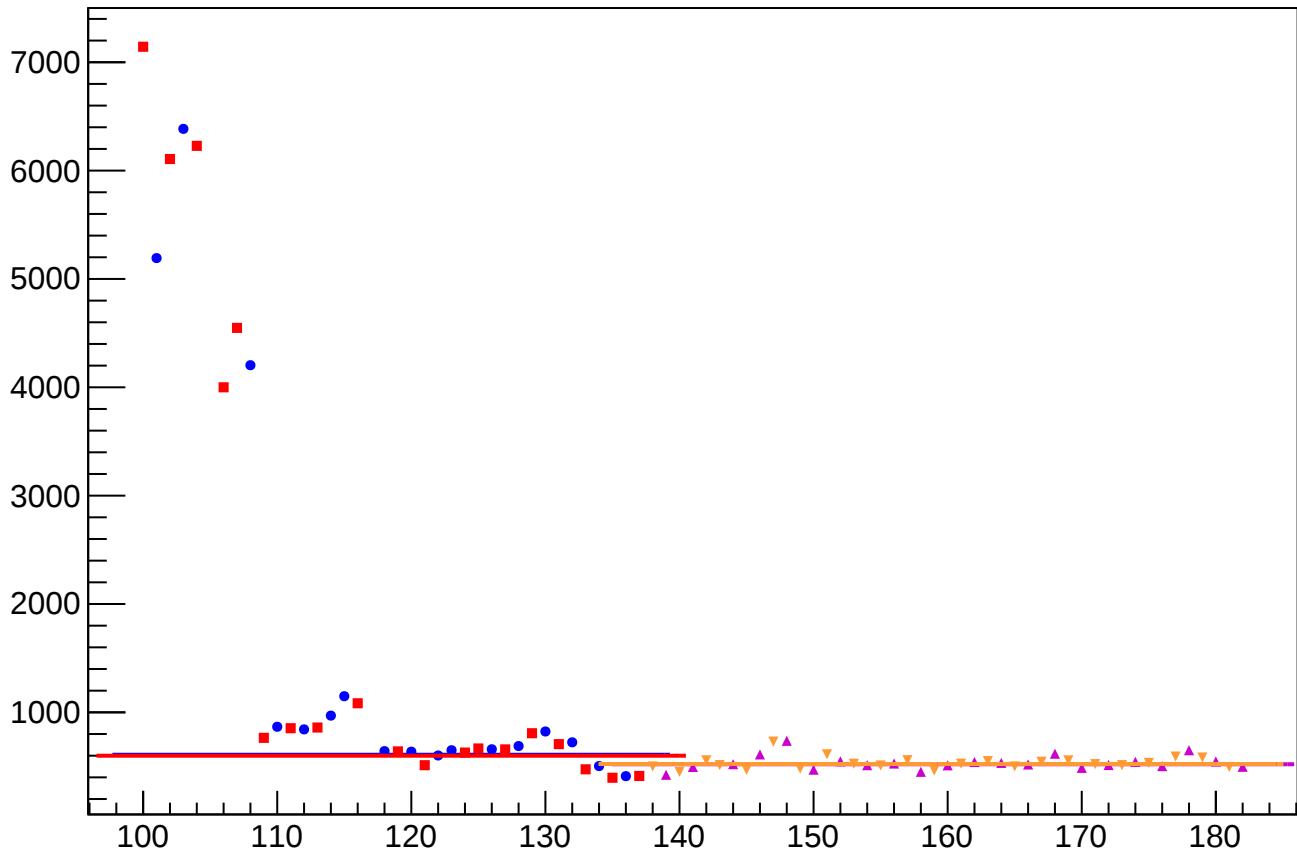
Right: -0.154 ± 0.189 χ^2/NDF : 41.9/35

In: -0.110 ± 0.115 χ^2/NDF : 55.8/38

Out: 0.171 ± 0.114 χ^2/NDF : 39.5/41

All: 0.032 ± 0.081 χ^2/NDF : 98.3/80

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 608.589 ± 0.191 $\chi^2/\text{NDF}: 3137480.1/16$

Left Out: 523.289 ± 0.089 $\chi^2/\text{NDF}: 327558.0/22$

Right Out: 599.715 ± 0.187 $\chi^2/\text{NDF}: 3547458.7/18$

Left In: 520.946 ± 0.090 $\chi^2/\text{NDF}: 438165.4/21$

Left: 522.123 ± 0.063 $\chi^2/\text{NDF}: 766066.1/44$

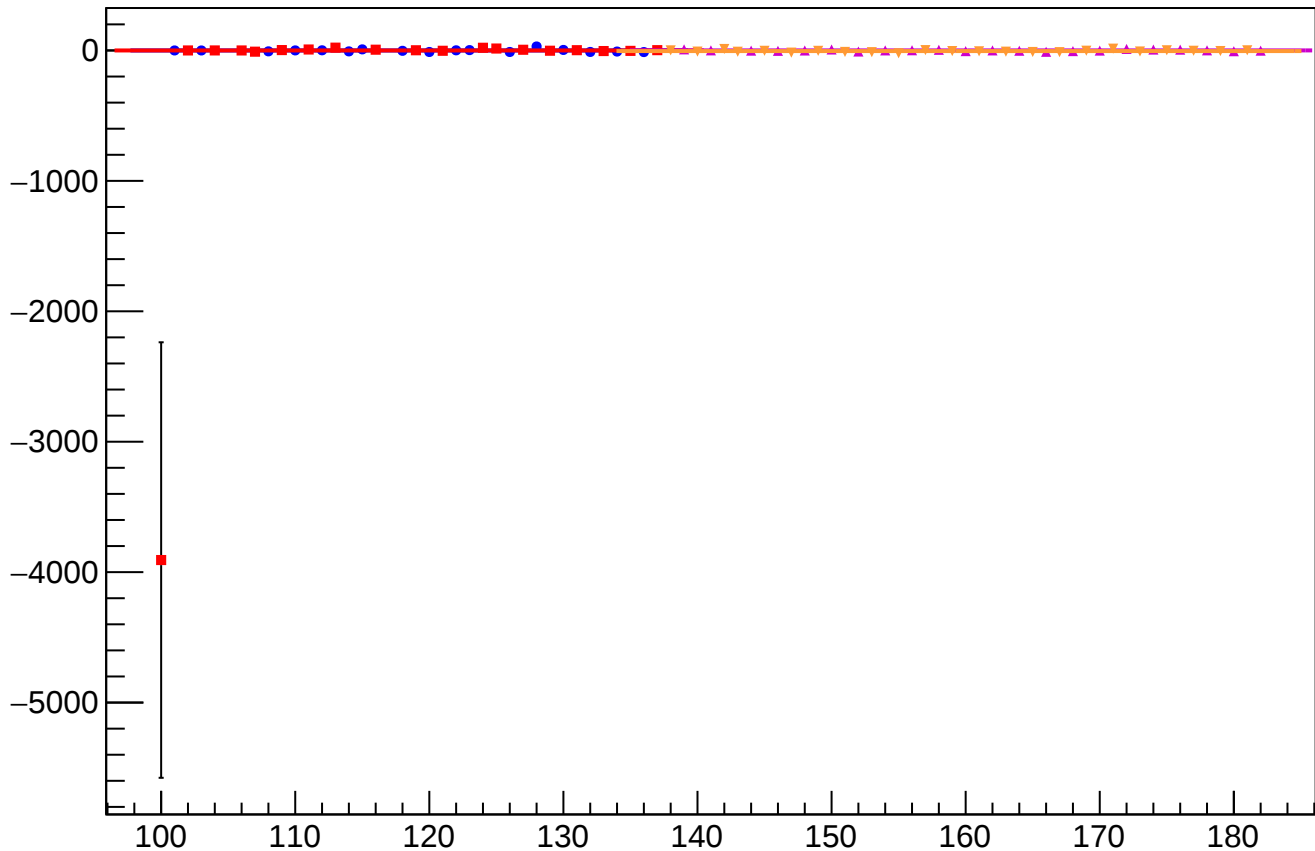
Right: 604.058 ± 0.134 $\chi^2/\text{NDF}: 6686037.5/35$

In: 536.728 ± 0.081 $\chi^2/\text{NDF}: 3747712.3/38$

Out: 537.437 ± 0.081 $\chi^2/\text{NDF}: 4010727.9/41$

All: 537.085 ± 0.057 $\chi^2/\text{NDF}: 7758478.7/80$

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 χ^2/NDF : 15.6/16

Left Out: -4.761 ± 0.989 χ^2/NDF : 58.1/22

Right Out: 0.027 ± 0.020 χ^2/NDF : 16.8/18

Left In: 0.395 ± 1.001 χ^2/NDF : 27.3/21

Left: -2.213 ± 0.703 χ^2/NDF : 98.8/44

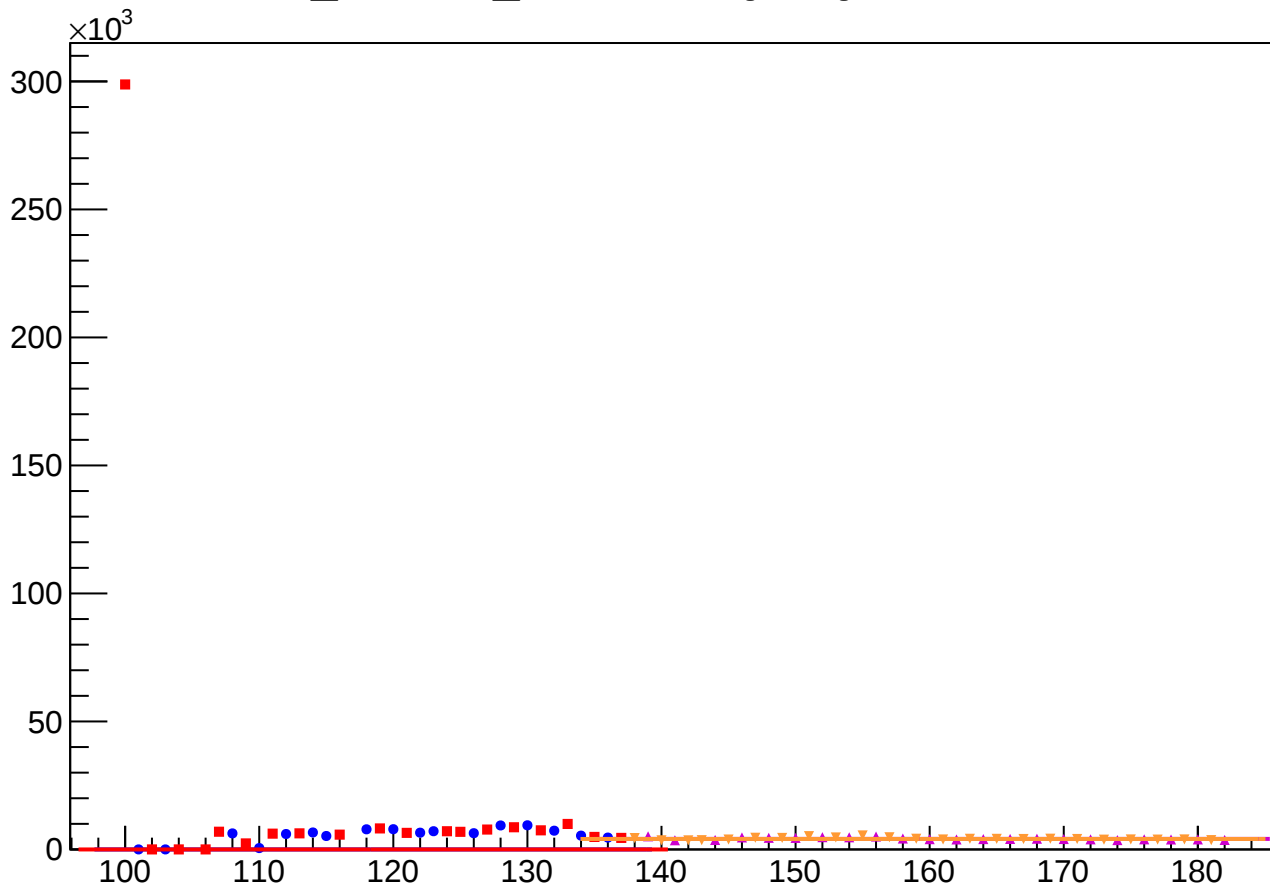
Right: 0.004 ± 0.014 χ^2/NDF : 35.3/35

In: -0.021 ± 0.021 χ^2/NDF : 43.1/38

Out: 0.025 ± 0.020 χ^2/NDF : 98.3/41

All: 0.003 ± 0.014 χ^2/NDF : 144.0/80

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.335+/-0.015 χ^2/NDF : 10315348.6/16

Left Out: 4099.510+/-0.699 χ^2/NDF : 397382.2/22

Right Out: 17.267+/-0.014 χ^2/NDF : 10766587.2/18

Left In: 4123.677+/-0.708 χ^2/NDF : 345579.5/21

Left: 4111.451+/-0.497 χ^2/NDF : 743551.8/44

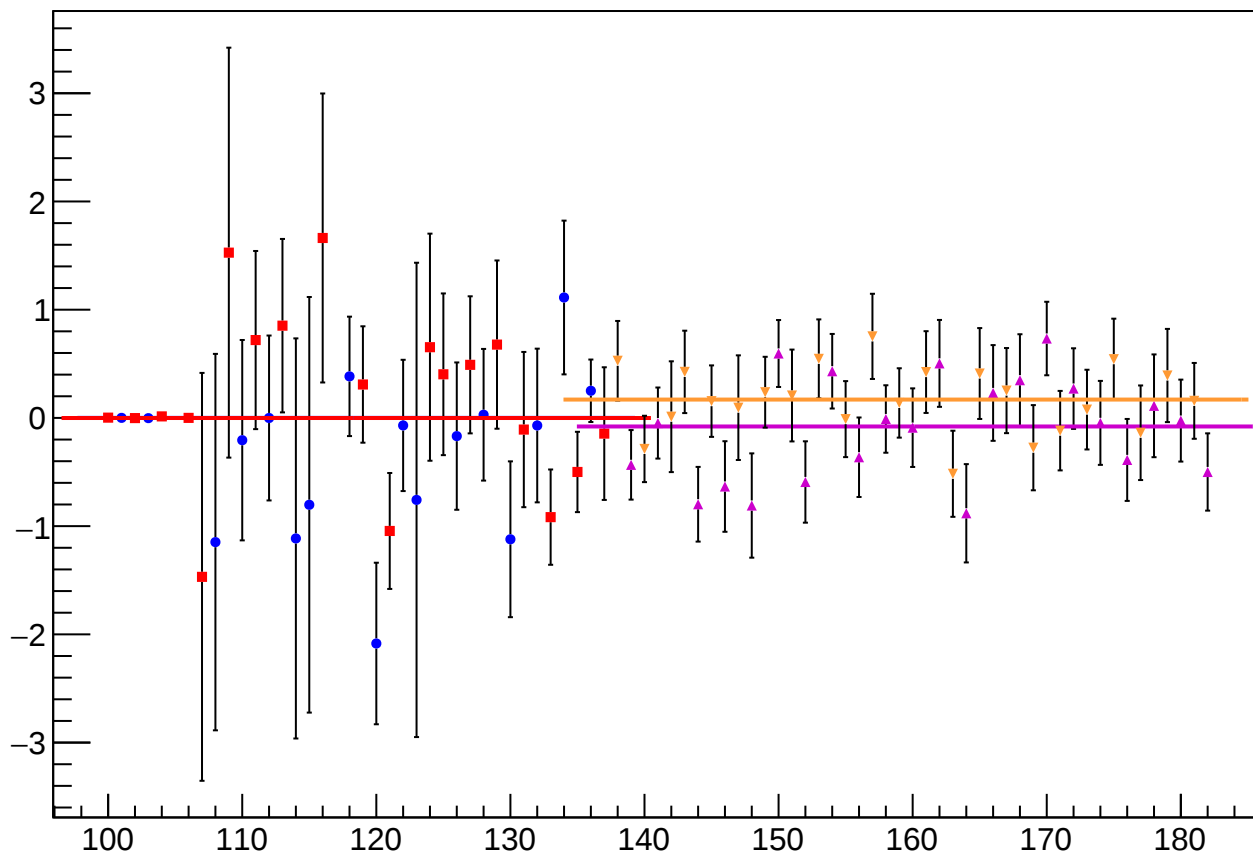
Right: 17.299+/-0.010 χ^2/NDF : 21081947.2/35

In: 19.108+/-0.015 χ^2/NDF : 44319920.3/38

Out: 18.898+/-0.014 χ^2/NDF : 45221252.7/41

All: 18.998+/-0.010 χ^2/NDF : 89541279.2/80

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 χ^2/NDF : 15.3/16

Left Out: 0.170 ± 0.079 χ^2/NDF : 14.8/22

Right Out: -0.001 ± 0.002 χ^2/NDF : 18.1/18

Left In: -0.079 ± 0.079 χ^2/NDF : 34.7/21

Left: 0.046 ± 0.056 χ^2/NDF : 54.4/44

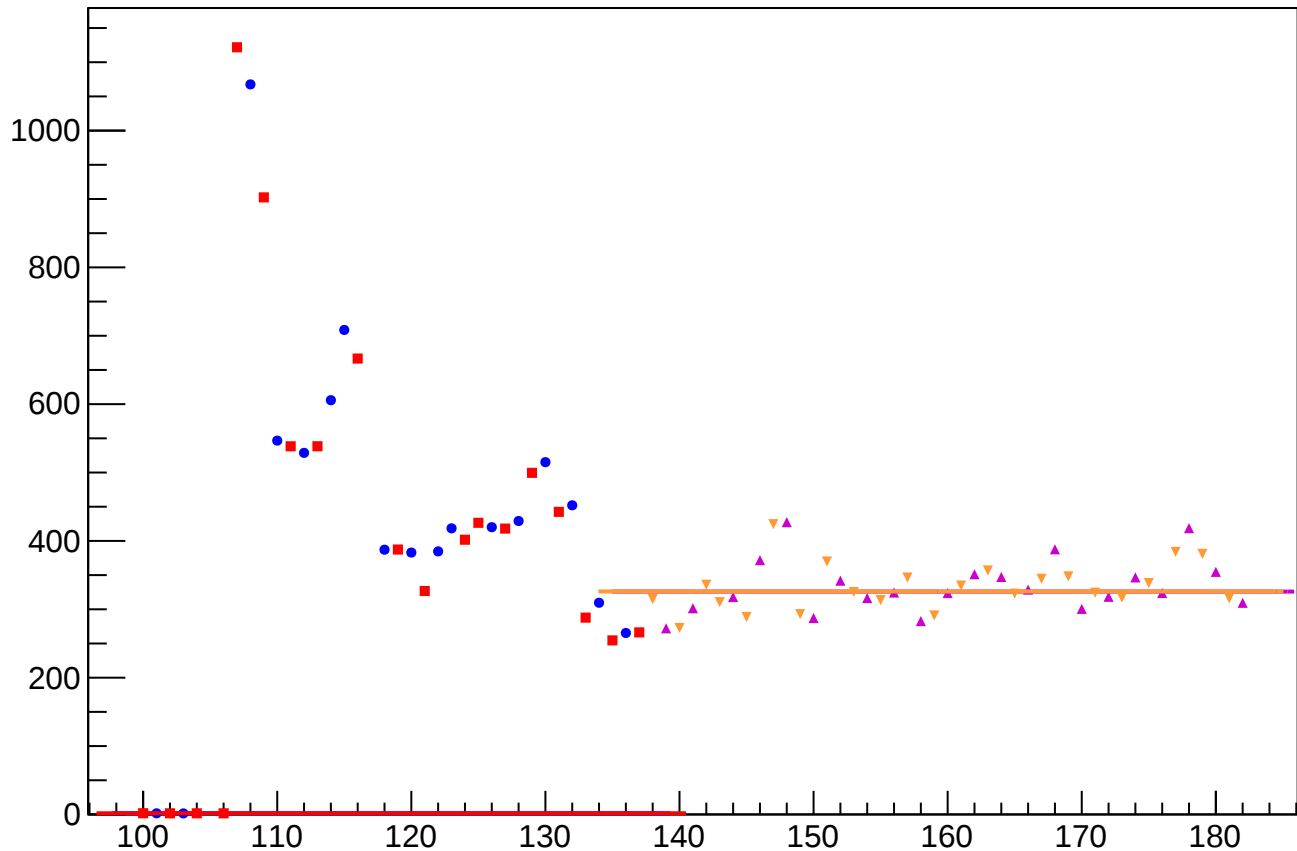
Right: -0.000 ± 0.001 χ^2/NDF : 33.5/35

In: 0.000 ± 0.002 χ^2/NDF : 51.0/38

Out: -0.001 ± 0.002 χ^2/NDF : 37.6/41

All: -0.000 ± 0.001 χ^2/NDF : 88.7/80

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698+/-0.001 χ^2/NDF : 10864983.9/16

Left Out: 326.085+/-0.056 χ^2/NDF : 345366.2/22

Right Out: 1.728+/-0.001 χ^2/NDF : 10690594.4/18

Left In: 325.900+/-0.056 χ^2/NDF : 420532.6/21

Left: 325.993+/-0.039 χ^2/NDF : 765904.4/44

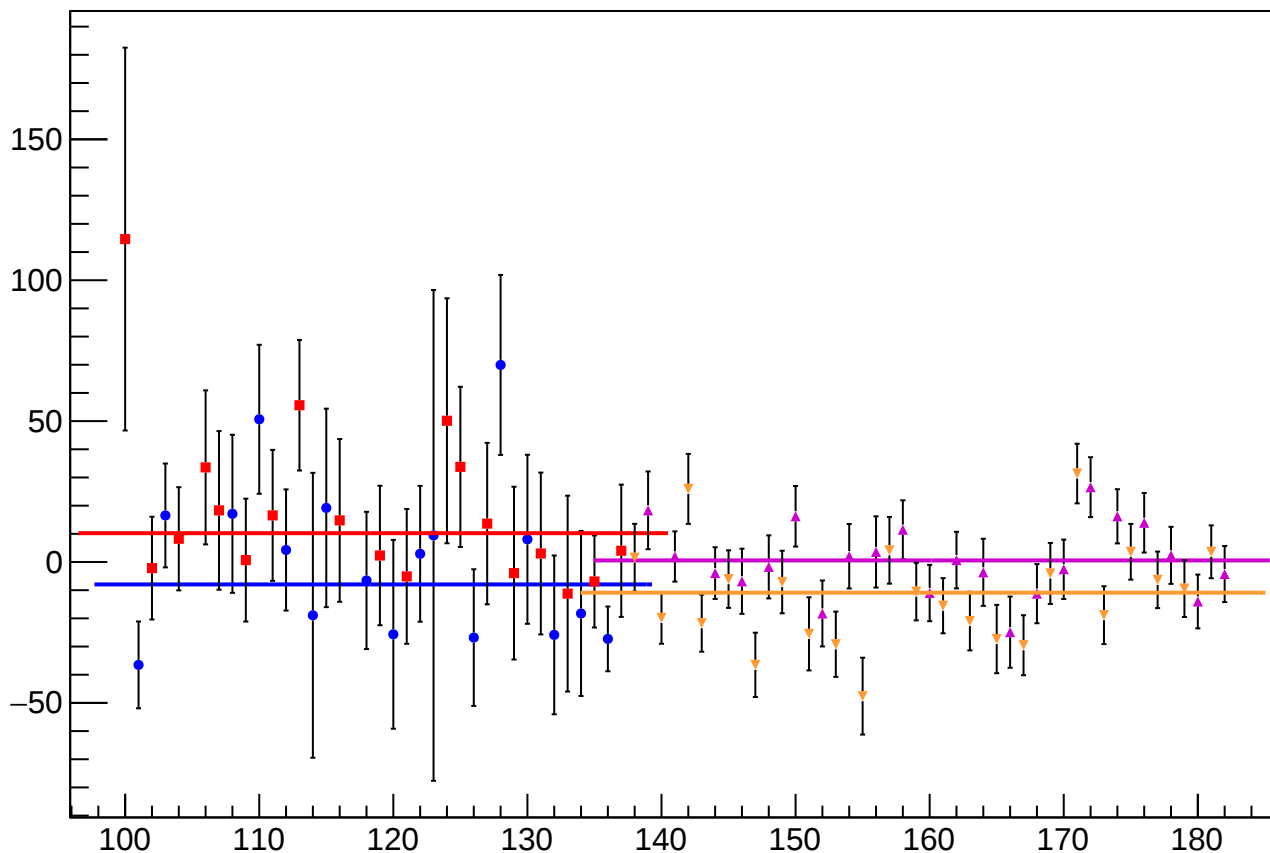
Right: 1.714+/-0.001 χ^2/NDF : 21555805.2/35

In: 1.910+/-0.001 χ^2/NDF : 44704742.9/38

Out: 1.925+/-0.001 χ^2/NDF : 45002701.4/41

All: 1.918+/-0.001 χ^2/NDF : 89707504.0/80

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.952±/5.639 χ^2/NDF : 22.6/16

Left Out: -10.886±/2.239 χ^2/NDF : 57.8/22

Right Out: 10.233±/5.692 χ^2/NDF : 11.7/18

Left In: 0.566±/2.265 χ^2/NDF : 28.0/21

Left: -5.225±/1.592 χ^2/NDF : 98.7/44

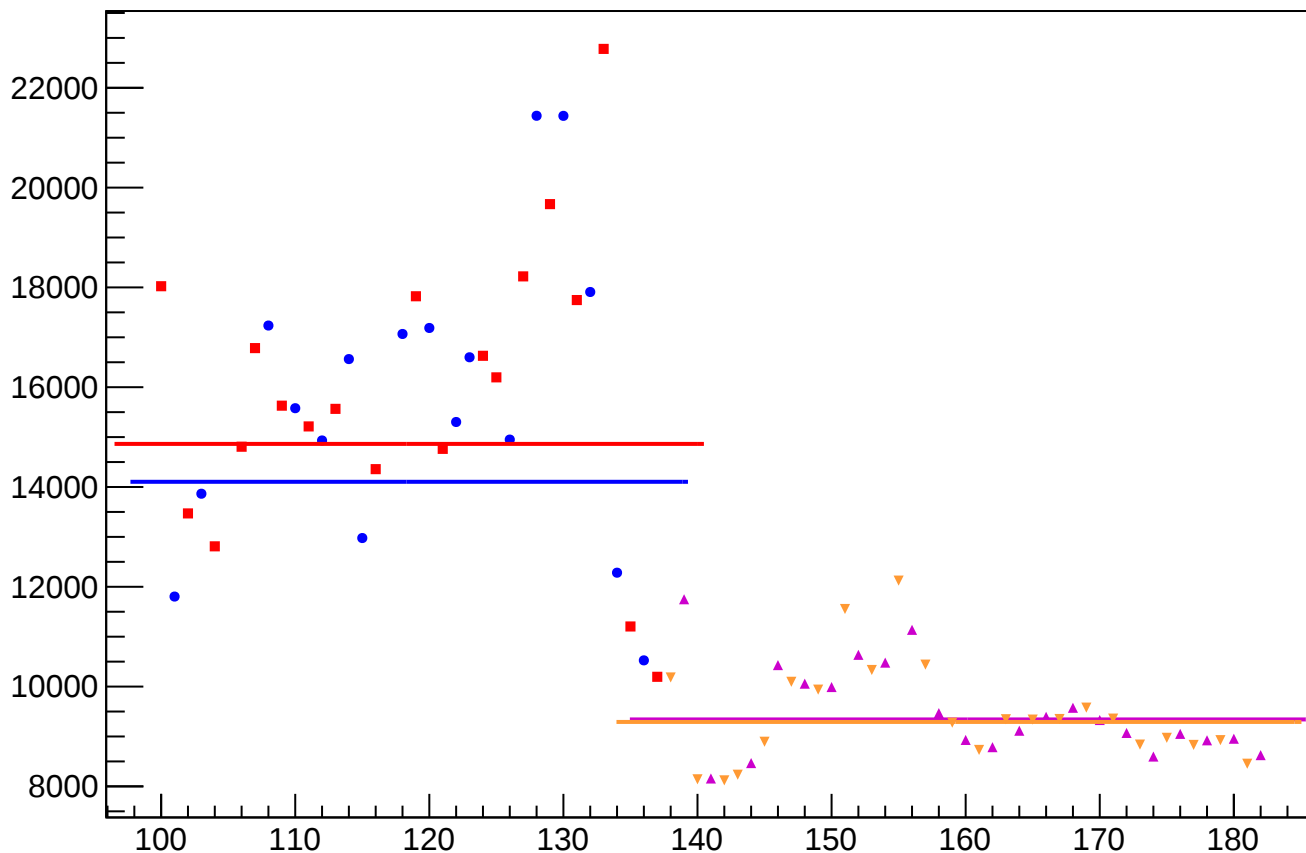
Right: 1.054±/4.006 χ^2/NDF : 39.4/35

In: -0.617±/2.102 χ^2/NDF : 52.5/38

Out: -8.056±/2.084 χ^2/NDF : 81.4/41

All: -4.368±/1.480 χ^2/NDF : 140.2/80

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14104.125 $\pm$ 3.987 χ^2 /NDF: 604857.2/16

Left Out: 9291.512 $\pm$ 1.583 χ^2 /NDF: 320712.7/22

Right Out: 14863.530 $\pm$ 4.025 χ^2 /NDF: 472106.0/18

Left In: 9341.641 $\pm$ 1.601 χ^2 /NDF: 275552.6/21

Left: 9316.290 $\pm$ 1.126 χ^2 /NDF: 596760.8/44

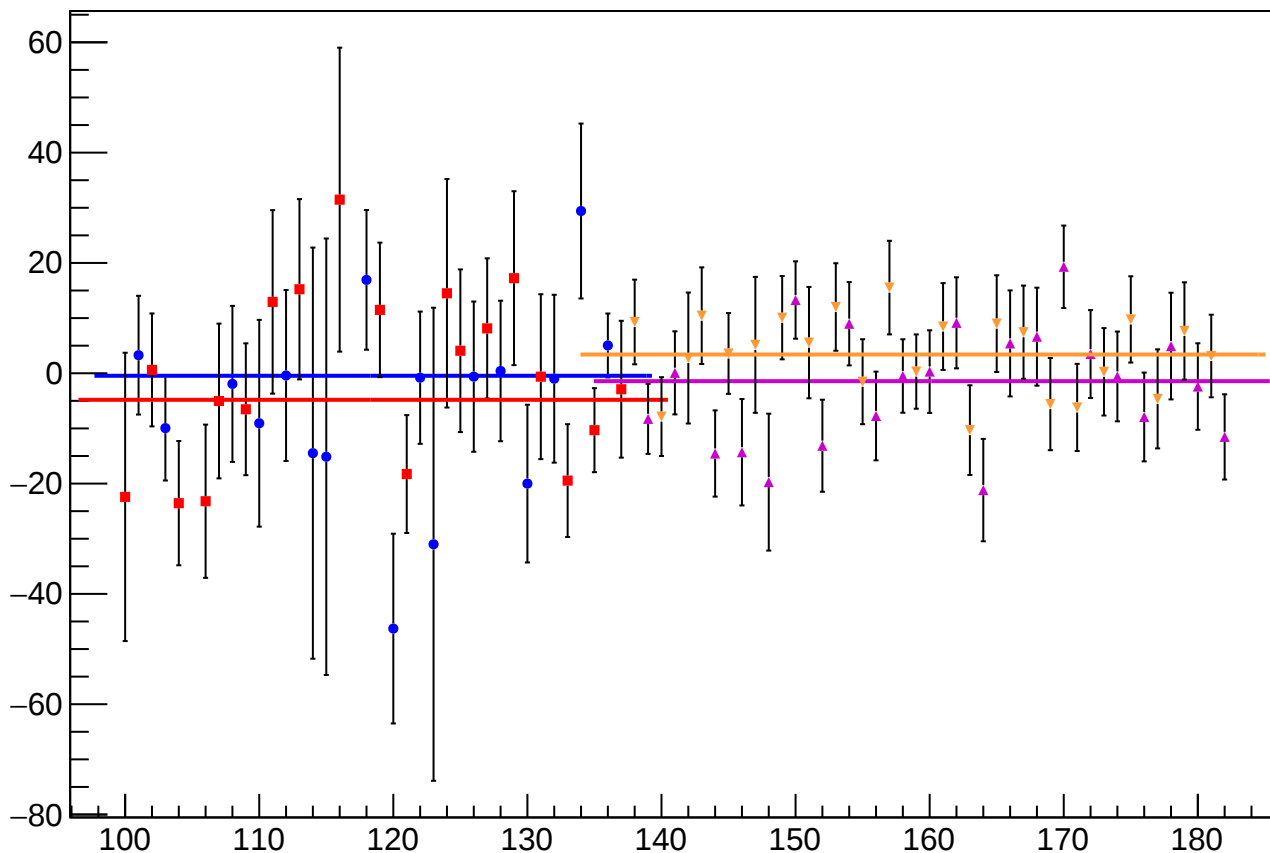
Right: 14480.230 $\pm$ 2.833 χ^2 /NDF: 1094929.4/35

In: 10003.203 $\pm$ 1.486 χ^2 /NDF: 2108948.4/38

Out: 10038.099 $\pm$ 1.473 χ^2 /NDF: 2452380.1/41

All: 10020.801 $\pm$ 1.046 χ^2 /NDF: 4561606.6/80

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.456±/3.089 χ^2/NDF : 17.4/16

Left Out: 3.400±/1.710 χ^2/NDF :16.8/22

Right Out: -4.814±/2.946 χ^2/NDF : 19.9/18

Left In: -1.431±/1.710 χ^2/NDF :35.3/21

Left: 0.985±/1.209 χ^2/NDF : 56.1/44

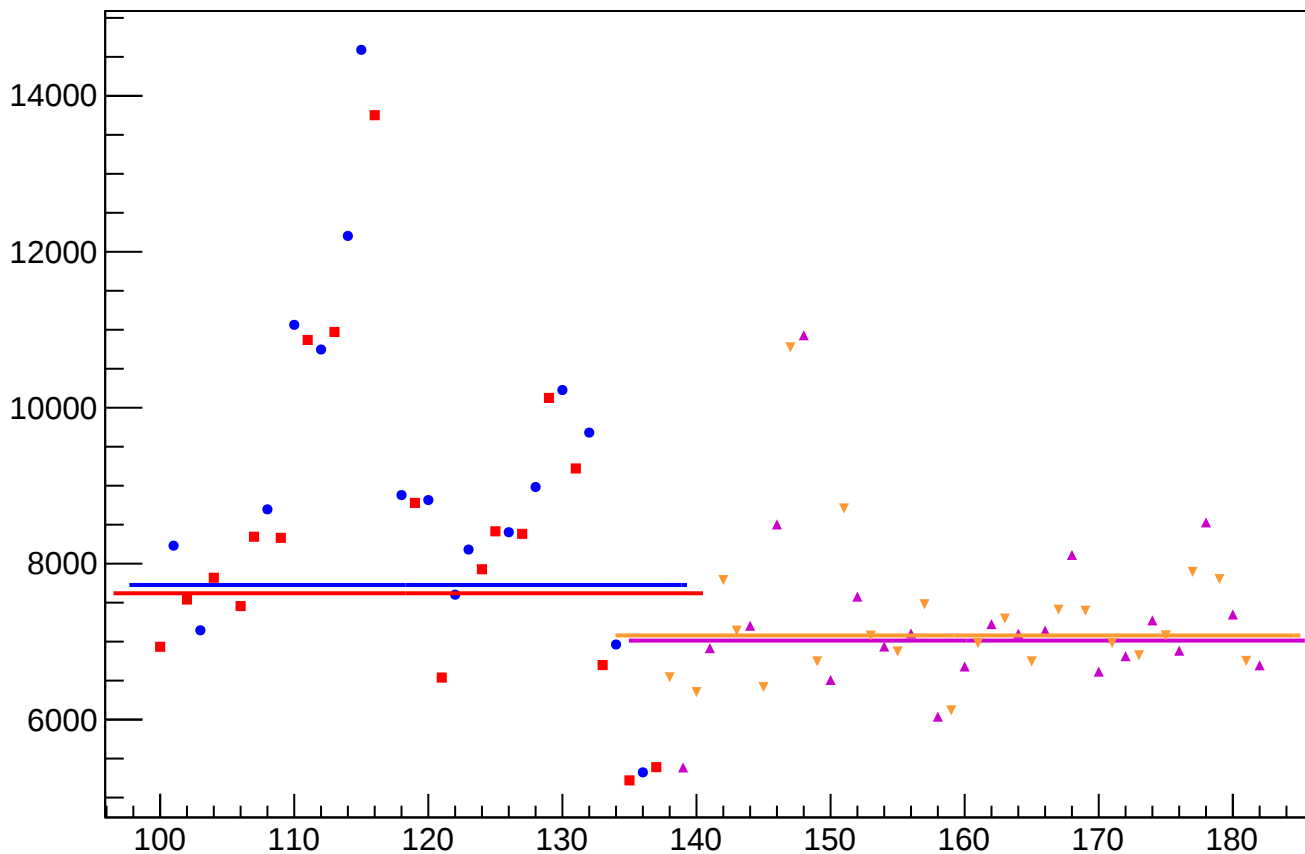
Right: -2.739±/2.132 χ^2/NDF : 38.4/35

In: -1.202±/1.496 χ^2/NDF :52.9/38

Out: 1.330±/1.479 χ^2/NDF :42.5/41

All: 0.079±/1.052 χ^2/NDF : 96.8/80

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.613 $\pm$ 2.184 χ^2/NDF : 742603.6/16

Left Out: 7079.143 $\pm$ 1.209 χ^2/NDF : 383131.8/22

Right Out: 7620.107 $\pm$ 2.083 χ^2/NDF : 679200.6/18

Left In: 7013.368 $\pm$ 1.209 χ^2/NDF : 544432.1/21

Left: 7046.267 $\pm$ 0.855 χ^2/NDF : 929043.2/44

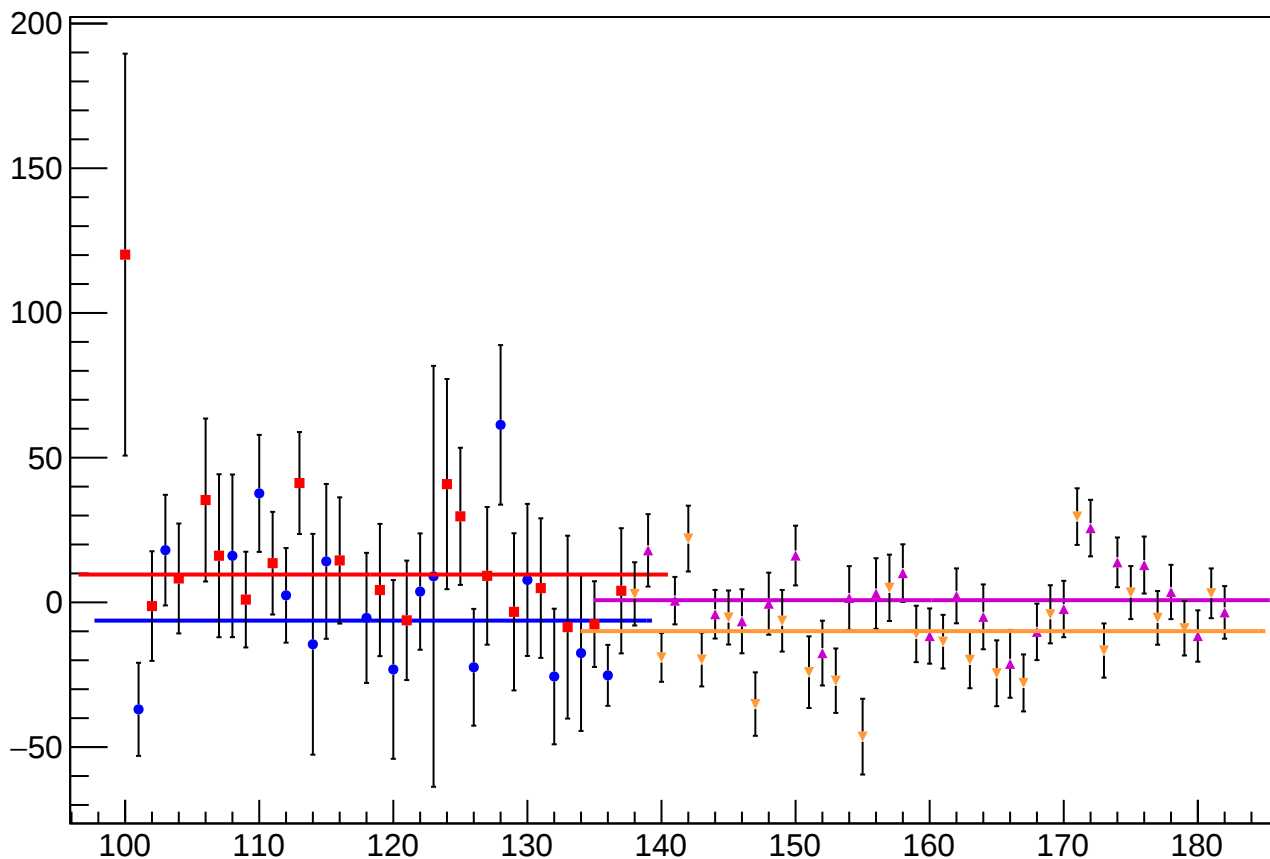
Right: 7670.830 $\pm$ 1.508 χ^2/NDF : 1423049.2/35

In: 7180.719 $\pm$ 1.058 χ^2/NDF : 1368629.5/38

Out: 7215.473 $\pm$ 1.046 χ^2/NDF : 1112781.1/41

All: 7198.301 $\pm$ 0.744 χ^2/NDF : 2481956.3/80

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.303 ± 5.045 $\chi^2/\text{NDF}: 23.2/16$

Left Out: -9.932 ± 2.089 $\chi^2/\text{NDF}: 58.4/22$

Right Out: 9.614 ± 5.013 $\chi^2/\text{NDF}: 11.5/18$

Left In: 0.753 ± 2.115 $\chi^2/\text{NDF}: 28.0/21$

Left: -4.654 ± 1.486 $\chi^2/\text{NDF}: 99.3/44$

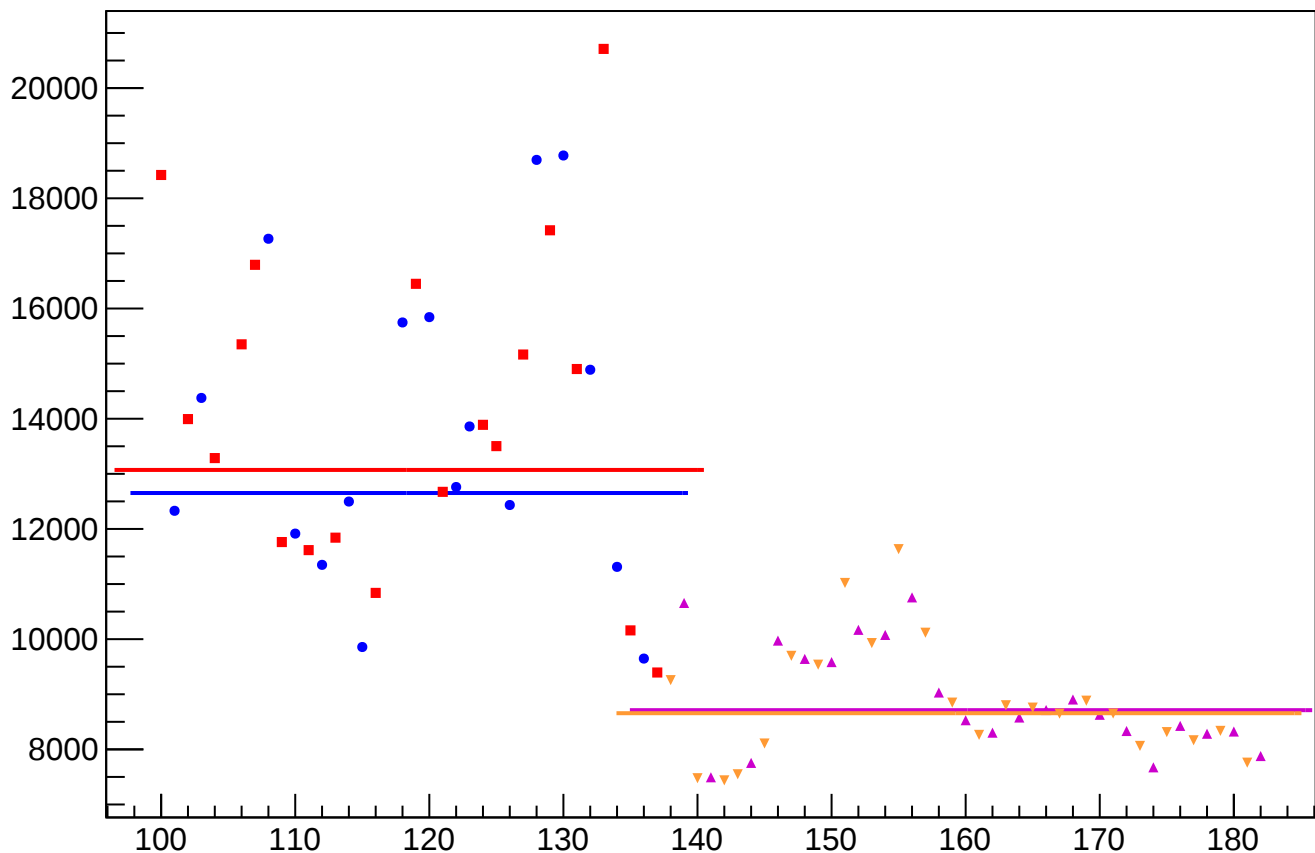
Right: 1.707 ± 3.556 $\chi^2/\text{NDF}: 39.6/35$

In: -0.301 ± 1.950 $\chi^2/\text{NDF}: 52.8/38$

Out: -7.040 ± 1.928 $\chi^2/\text{NDF}: 82.8/41$

All: -3.709 ± 1.371 $\chi^2/\text{NDF}: 141.6/80$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12652.101 $\pm$ 3.567 χ^2 /NDF: 559356.1/16

Left Out: 8656.306 $\pm$ 1.477 χ^2 /NDF: 416780.2/22

Right Out: 13070.799 $\pm$ 3.545 χ^2 /NDF: 498063.2/18

Left In: 8711.574 $\pm$ 1.495 χ^2 /NDF: 361147.5/21

Left: 8683.605 $\pm$ 1.051 χ^2 /NDF: 778619.2/44

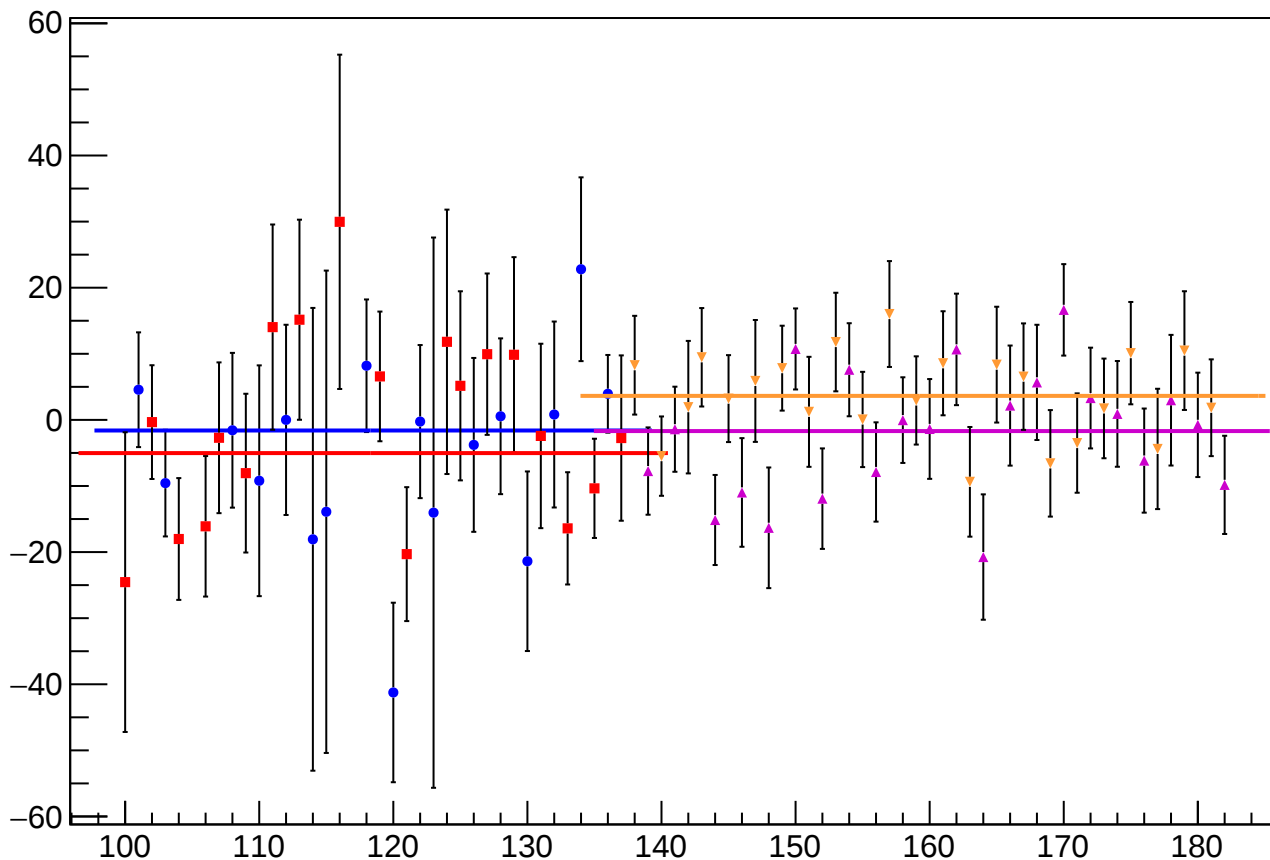
Right: 12862.791 $\pm$ 2.515 χ^2 /NDF: 1064350.7/35

In: 9300.389 $\pm$ 1.379 χ^2 /NDF: 1958261.5/38

Out: 9309.523 $\pm$ 1.364 χ^2 /NDF: 2236303.3/41

All: 9305.007 $\pm$ 0.970 χ^2 /NDF: 4194587.0/80

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.604 ± 2.811 χ^2/NDF : 17.8/16

Left Out: 3.634 ± 1.597 χ^2/NDF : 15.7/22

Right Out: -5.023 ± 2.647 χ^2/NDF : 19.2/18

Left In: -1.691 ± 1.615 χ^2/NDF : 33.4/21

Left: 1.001 ± 1.136 χ^2/NDF : 54.6/44

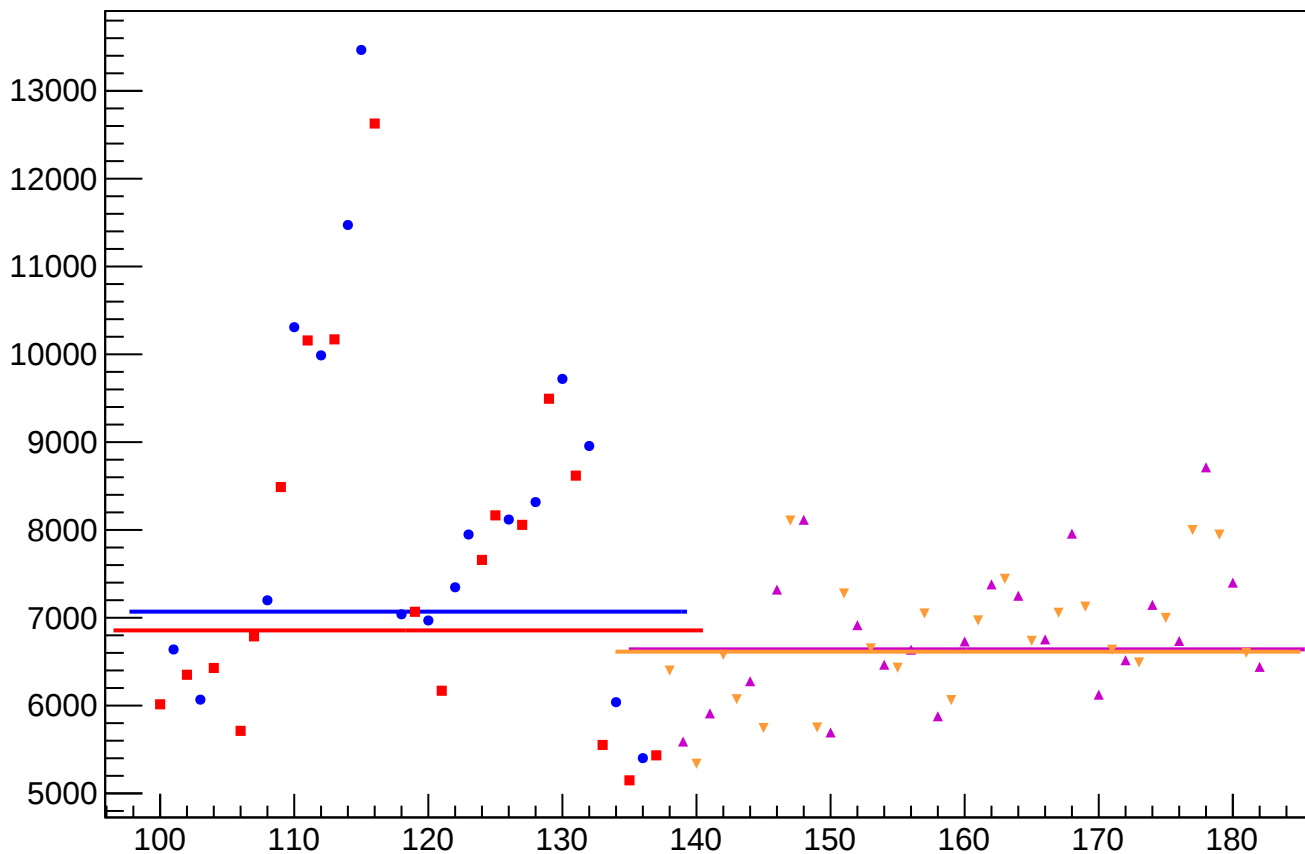
Right: -3.416 ± 1.927 χ^2/NDF : 37.7/35

In: -1.670 ± 1.401 χ^2/NDF : 51.2/38

Out: 1.323 ± 1.367 χ^2/NDF : 42.7/41

All: -0.137 ± 0.978 χ^2/NDF : 96.2/80

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7069.683 $\pm$ 1.988 χ^2 /NDF: 601725.0/16

Left Out: 6614.059 $\pm$ 1.129 χ^2 /NDF: 394200.1/22

Right Out: 6856.143 $\pm$ 1.872 χ^2 /NDF: 686407.0/18

Left In: 6640.401 $\pm$ 1.142 χ^2 /NDF: 424977.9/21

Left: 6627.080 $\pm$ 0.803 χ^2 /NDF: 819447.0/44

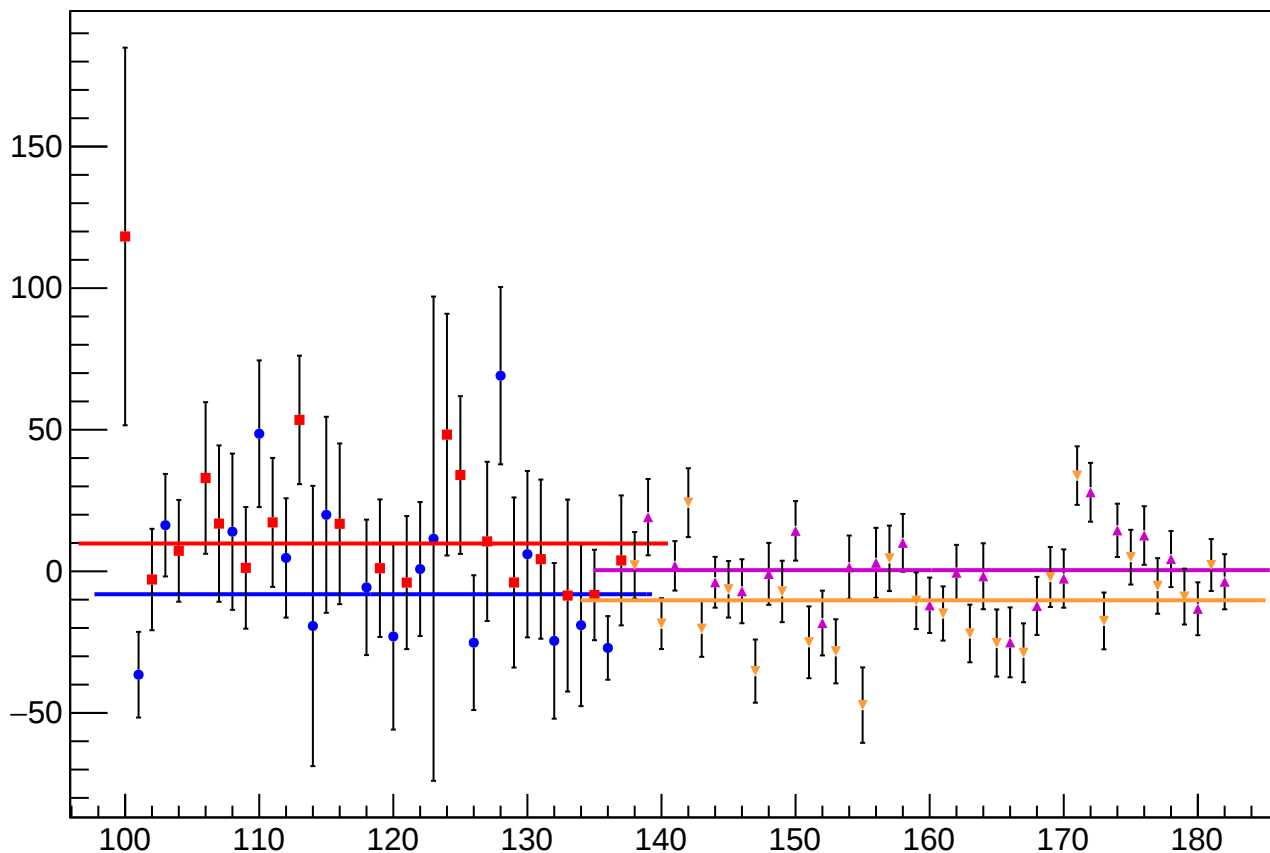
Right: 6956.503 $\pm$ 1.363 χ^2 /NDF: 1294250.1/35

In: 6746.974 $\pm$ 0.990 χ^2 /NDF: 1061771.2/38

Out: 6678.669 $\pm$ 0.967 χ^2 /NDF: 1092872.2/41

All: 6712.004 $\pm$ 0.692 χ^2 /NDF: 2157078.9/80

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -8.084 $\pm$ 5.527 χ^2/NDF : 22.4/16

Left Out: -10.232 $\pm$ 2.189 χ^2/NDF : 59.8/22

Right Out: 9.828 $\pm$ 5.581 χ^2/NDF : 12.0/18

Left In: 0.421 $\pm$ 2.214 χ^2/NDF : 28.6/21

Left: -4.966 $\pm$ 1.557 χ^2/NDF : 100.1/44

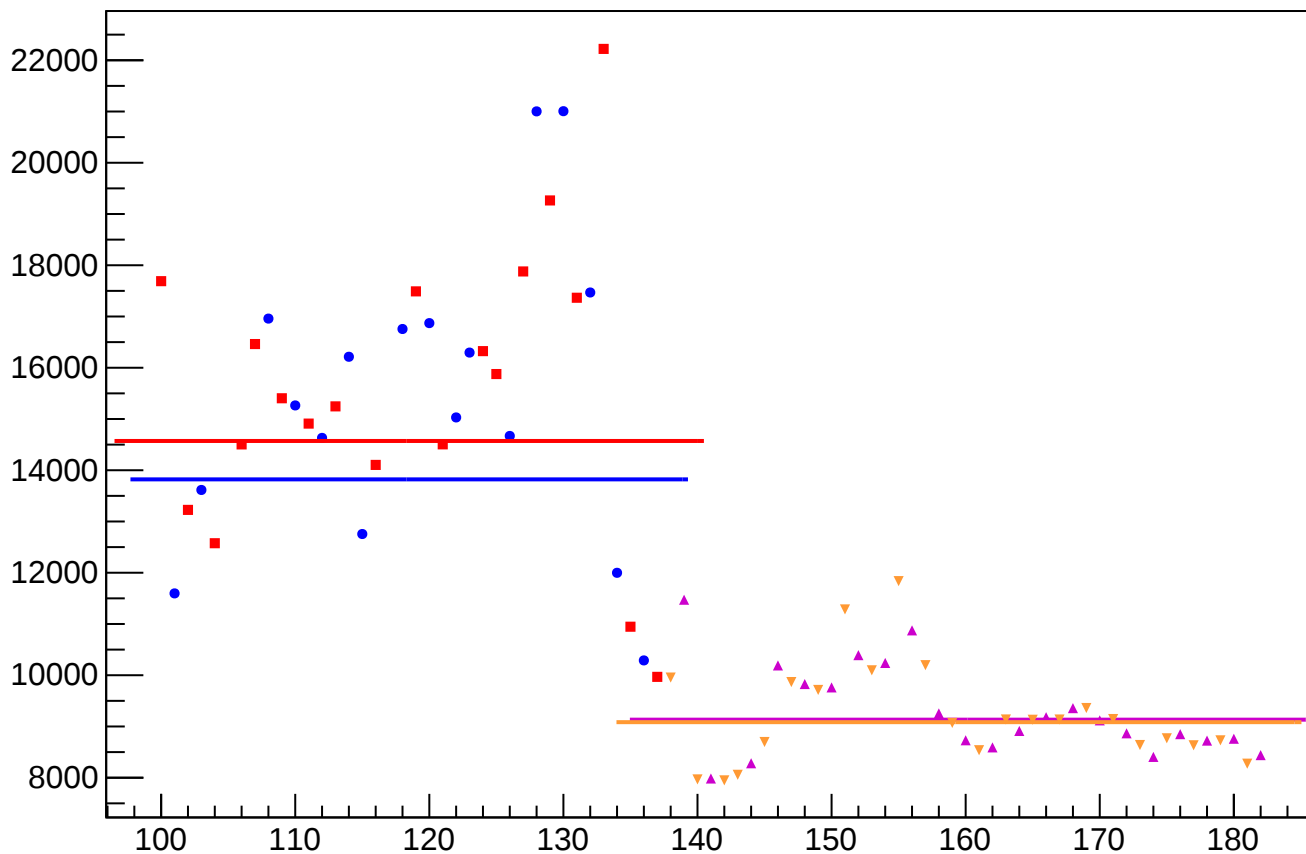
Right: 0.784 $\pm$ 3.927 χ^2/NDF : 39.6/35

In: -0.755 $\pm$ 2.055 χ^2/NDF : 53.1/38

Out: -7.558 $\pm$ 2.038 χ^2/NDF : 83.0/41

All: -4.186 $\pm$ 1.447 χ^2/NDF : 141.6/80

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.849 $\pm$ 3.908 χ^2 /NDF: 607967.7/16

Left Out: 9084.199 $\pm$ 1.548 χ^2 /NDF:317149.7/22

Right Out: 14571.187 $\pm$ 3.946 χ^2 /NDF: 473951.9/18

Left In: 9132.933 $\pm$ 1.566 χ^2 /NDF:272308.8/21

Left: 9108.288 $\pm$ 1.101 χ^2 /NDF: 589948.5/44

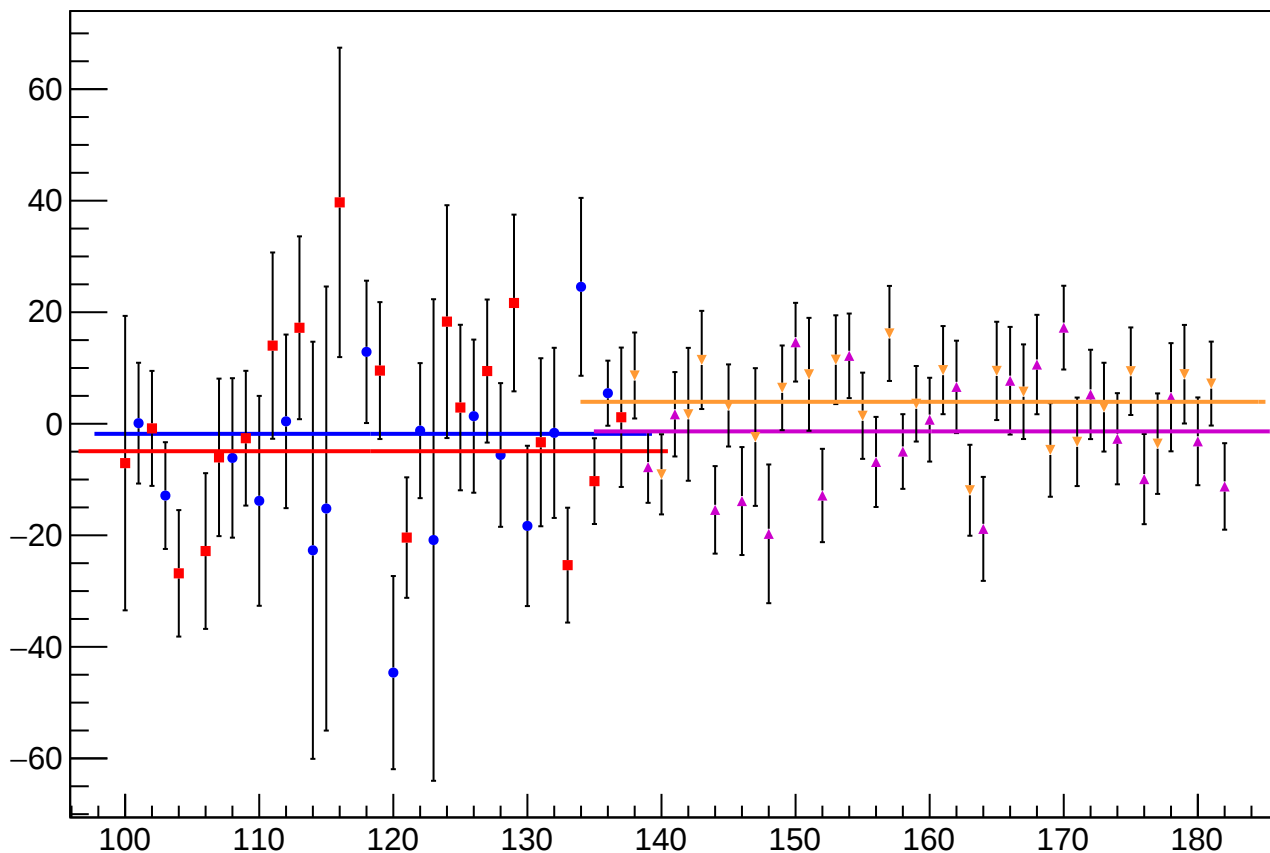
Right: 14192.864 $\pm$ 2.777 χ^2 /NDF: 1100124.5/35

In: 9781.386 $\pm$ 1.453 χ^2 /NDF:2120848.1/38

Out: 9815.772 $\pm$ 1.441 χ^2 /NDF:2466695.4/41

All: 9798.726 $\pm$ 1.023 χ^2 /NDF: 4587825.8/80

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -1.806 ± 3.112 χ^2/NDF : 15.7/16

Left Out: 3.937 ± 1.717 χ^2/NDF : 16.4/22

Right Out: -4.921 ± 2.968 χ^2/NDF : 25.0/18

Left In: -1.366 ± 1.718 χ^2/NDF : 36.4/21

Left: 1.287 ± 1.215 χ^2/NDF : 57.6/44

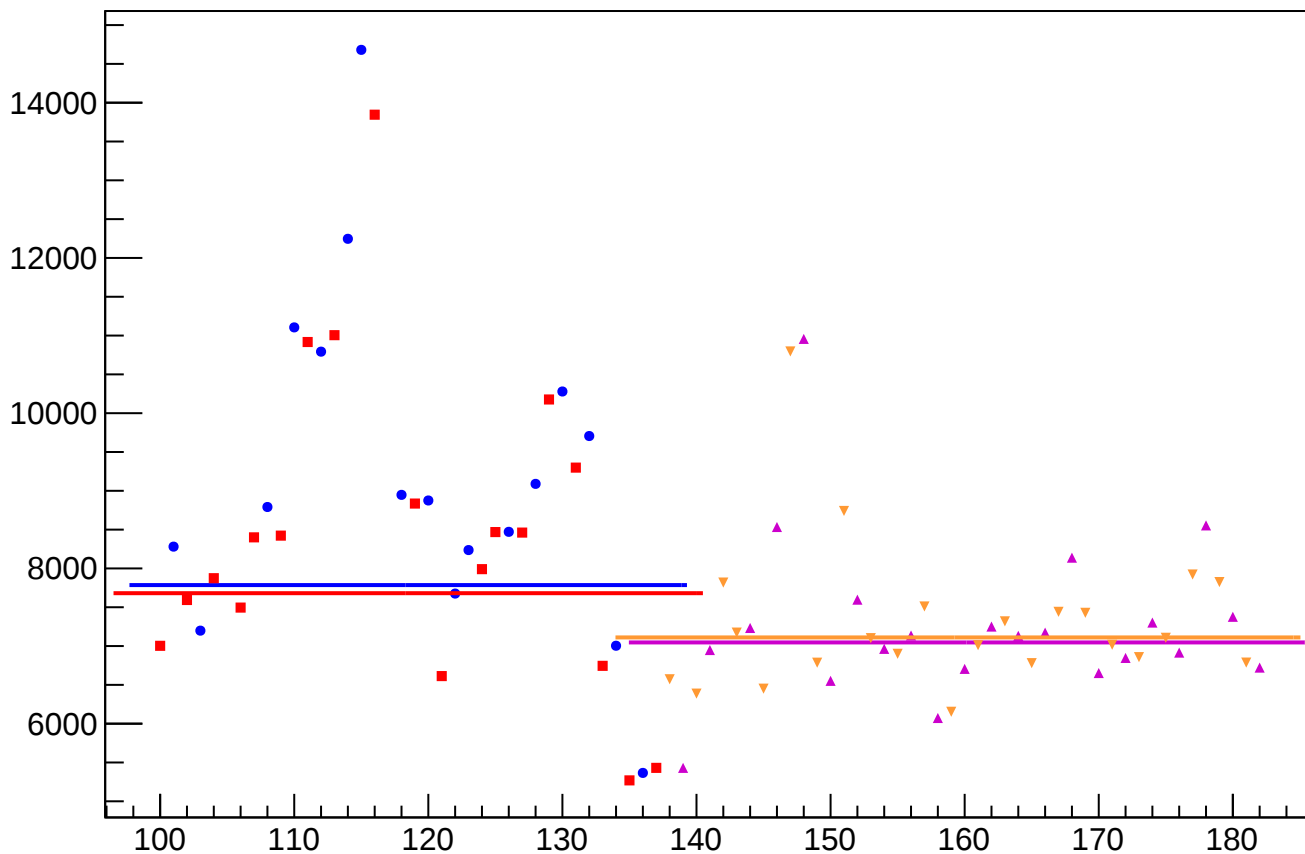
Right: -3.437 ± 2.148 χ^2/NDF : 41.2/35

In: -1.469 ± 1.504 χ^2/NDF : 52.2/38

Out: 1.716 ± 1.487 χ^2/NDF : 48.1/41

All: 0.142 ± 1.057 χ^2/NDF : 102.5/80

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.499+/-2.201 χ^2/NDF : 738102.3/16

Left Out: 7111.127+/-1.214 χ^2/NDF : 378297.7/22

Right Out: 7681.068+/-2.099 χ^2/NDF : 672729.8/18

Left In: 7046.629+/-1.215 χ^2/NDF : 535410.7/21

Left: 7078.895+/-0.859 χ^2/NDF : 915118.1/44

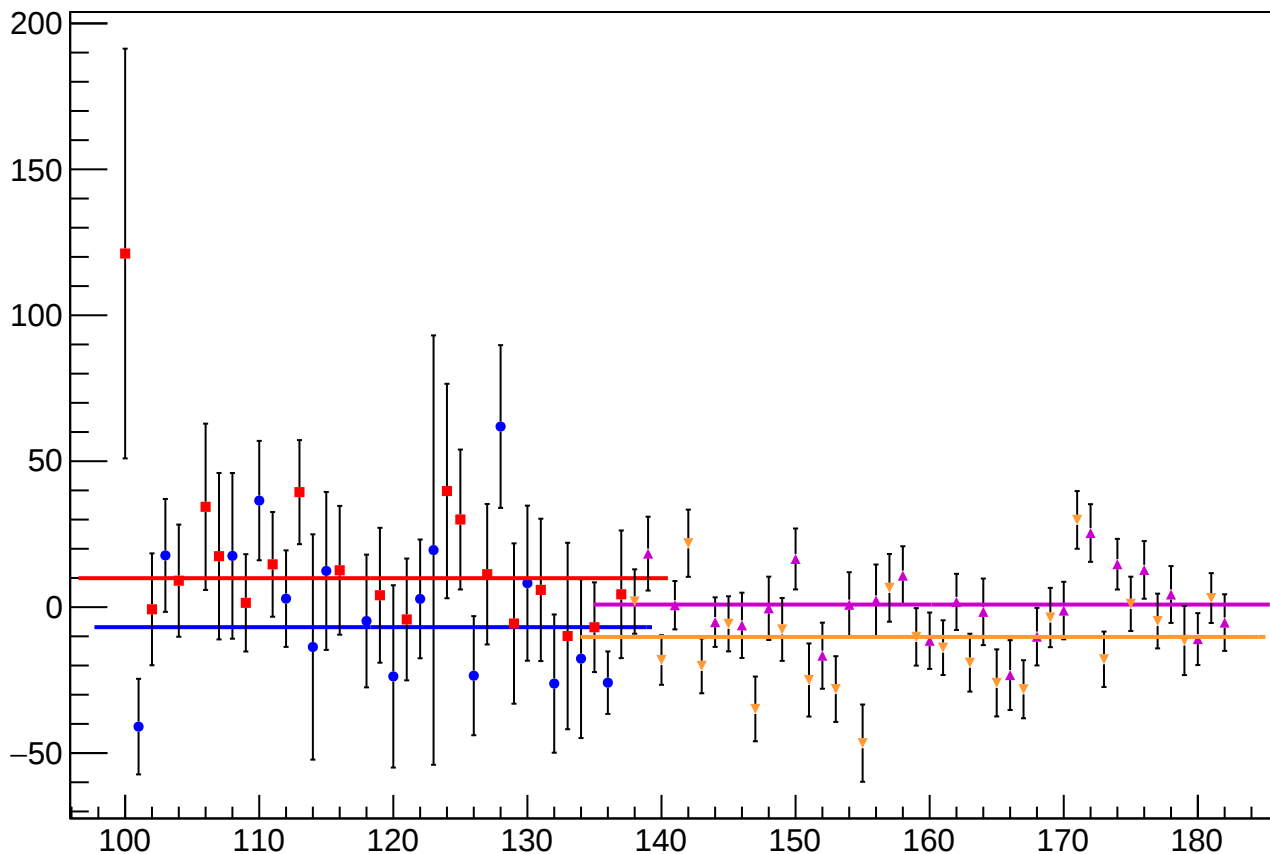
Right: 7730.818+/-1.519 χ^2/NDF : 1412011.3/35

In: 7219.241+/-1.064 χ^2/NDF : 1359908.4/38

Out: 7254.049+/-1.051 χ^2/NDF : 1106265.0/41

All: 7236.851+/-0.748 χ^2/NDF : 2466715.2/80

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.855 $\pm$ 5.113 χ^2/NDF : 23.8/16

Left Out: -10.205 $\pm$ 2.129 χ^2/NDF : 57.6/22

Right Out: 9.922 $\pm$ 5.084 χ^2/NDF : 10.6/18

Left In: 0.887 $\pm$ 2.146 χ^2/NDF : 28.0/21

Left: -4.705 $\pm$ 1.511 χ^2/NDF : 99.1/44

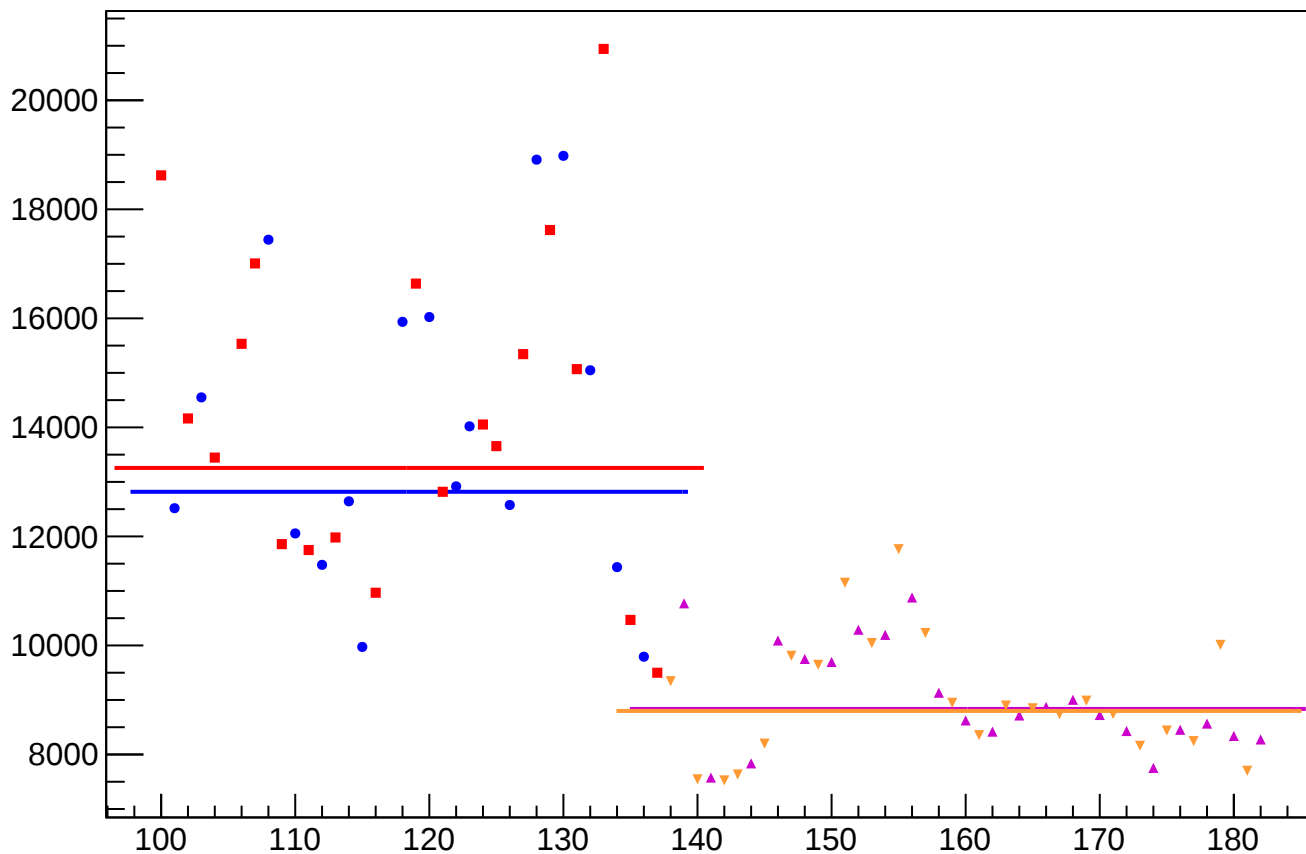
Right: 1.580 $\pm$ 3.605 χ^2/NDF : 39.8/35

In: -0.273 $\pm$ 1.979 χ^2/NDF : 53.7/38

Out: -7.203 $\pm$ 1.964 χ^2/NDF : 81.6/41

All: -3.765 $\pm$ 1.394 χ^2/NDF : 141.4/80

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12818.610 $\pm$ 3.615 χ^2 /NDF: 553065.0/16

Left Out: 8798.825 $\pm$ 1.505 χ^2 /NDF: 445527.0/22

Right Out: 13256.425 $\pm$ 3.595 χ^2 /NDF: 486011.2/18

Left In: 8835.383 $\pm$ 1.518 χ^2 /NDF: 350782.8/21

Left: 8816.953 $\pm$ 1.069 χ^2 /NDF: 796602.3/44

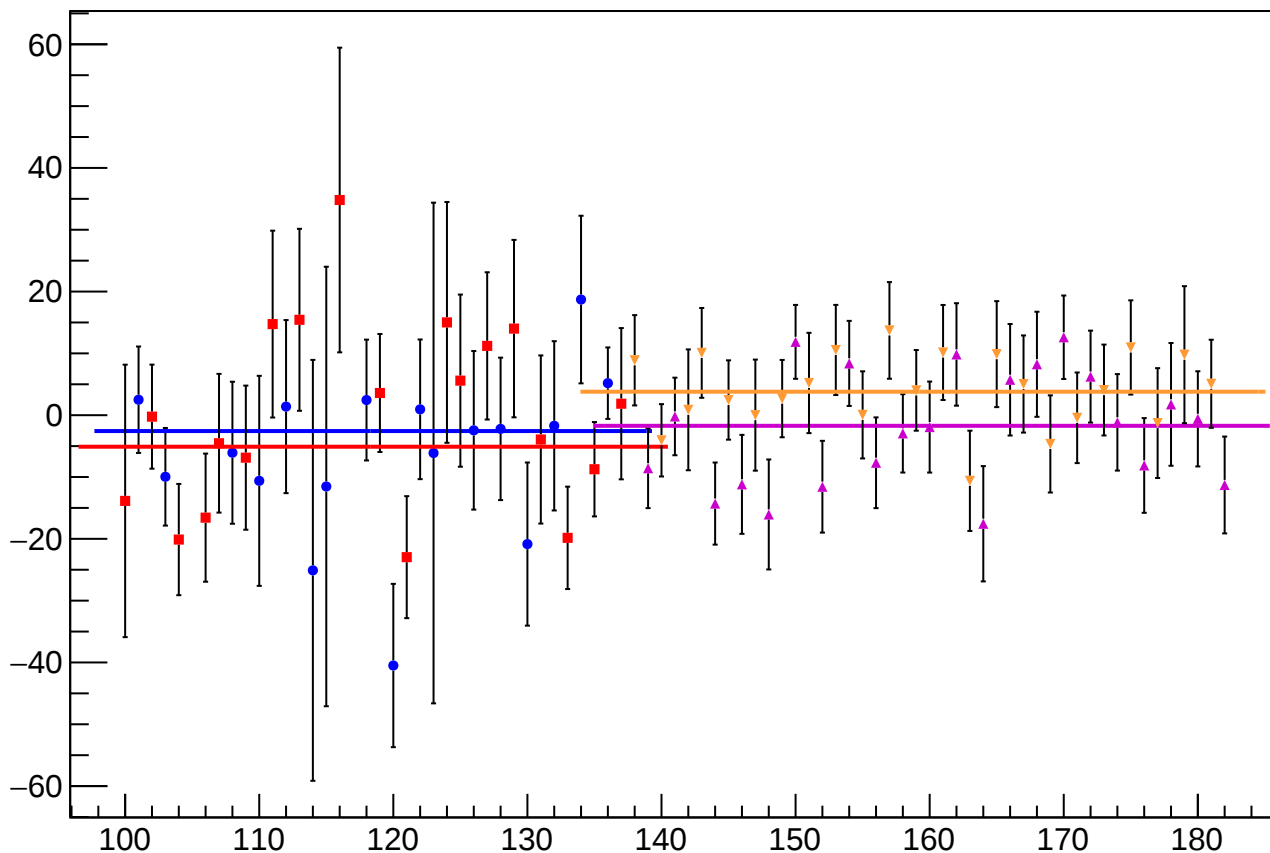
Right: 13038.746 $\pm$ 2.549 χ^2 /NDF: 1046449.6/35

In: 9432.176 $\pm$ 1.399 χ^2 /NDF: 1935805.4/38

Out: 9463.689 $\pm$ 1.388 χ^2 /NDF: 2239546.7/41

All: 9448.056 $\pm$ 0.986 χ^2 /NDF: 4175607.7/80

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.566 $\pm$ 2.752 χ^2/NDF : 16.9/16

Left Out: 3.799 $\pm$ 1.568 χ^2/NDF :13.6/22

Right Out: -5.098 $\pm$ 2.595 χ^2/NDF : 24.0/18

Left In: -1.717 $\pm$ 1.584 χ^2/NDF :33.4/21

Left: 1.068 $\pm$ 1.115 χ^2/NDF : 53.1/44

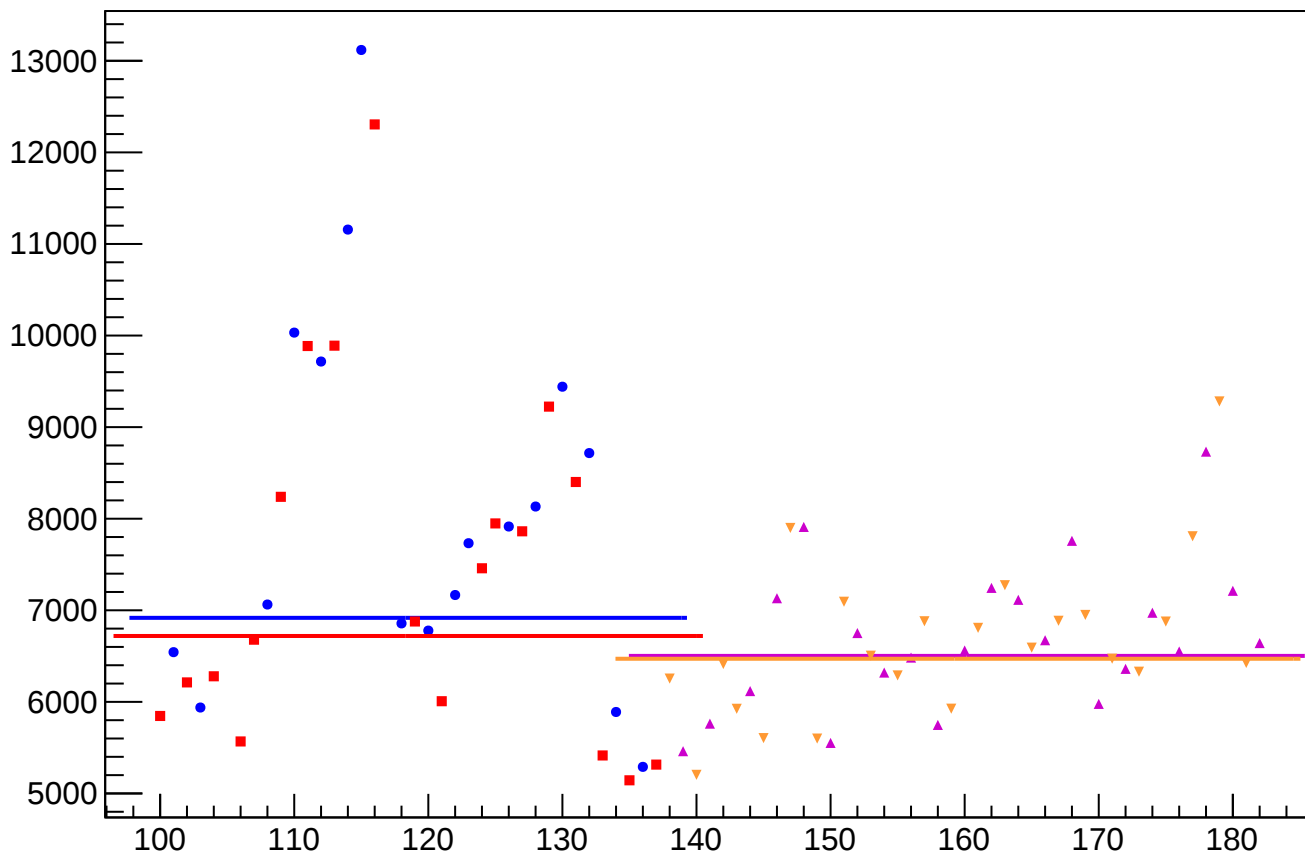
Right: -3.907 $\pm$ 1.888 χ^2/NDF : 41.3/35

In: -1.929 $\pm$ 1.373 χ^2/NDF :50.4/38

Out: 1.418 $\pm$ 1.342 χ^2/NDF :46.1/41

All: -0.217 $\pm$ 0.960 χ^2/NDF : 99.6/80

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6917.621 $\pm$ 1.946 χ^2/NDF : 588010.6/16

Left Out: 6470.837 $\pm$ 1.109 χ^2/NDF : 482678.9/22

Right Out: 6719.486 $\pm$ 1.835 χ^2/NDF : 657829.3/18

Left In: 6501.988 $\pm$ 1.120 χ^2/NDF : 439511.3/21

Left: 6486.257 $\pm$ 0.788 χ^2/NDF : 922580.7/44

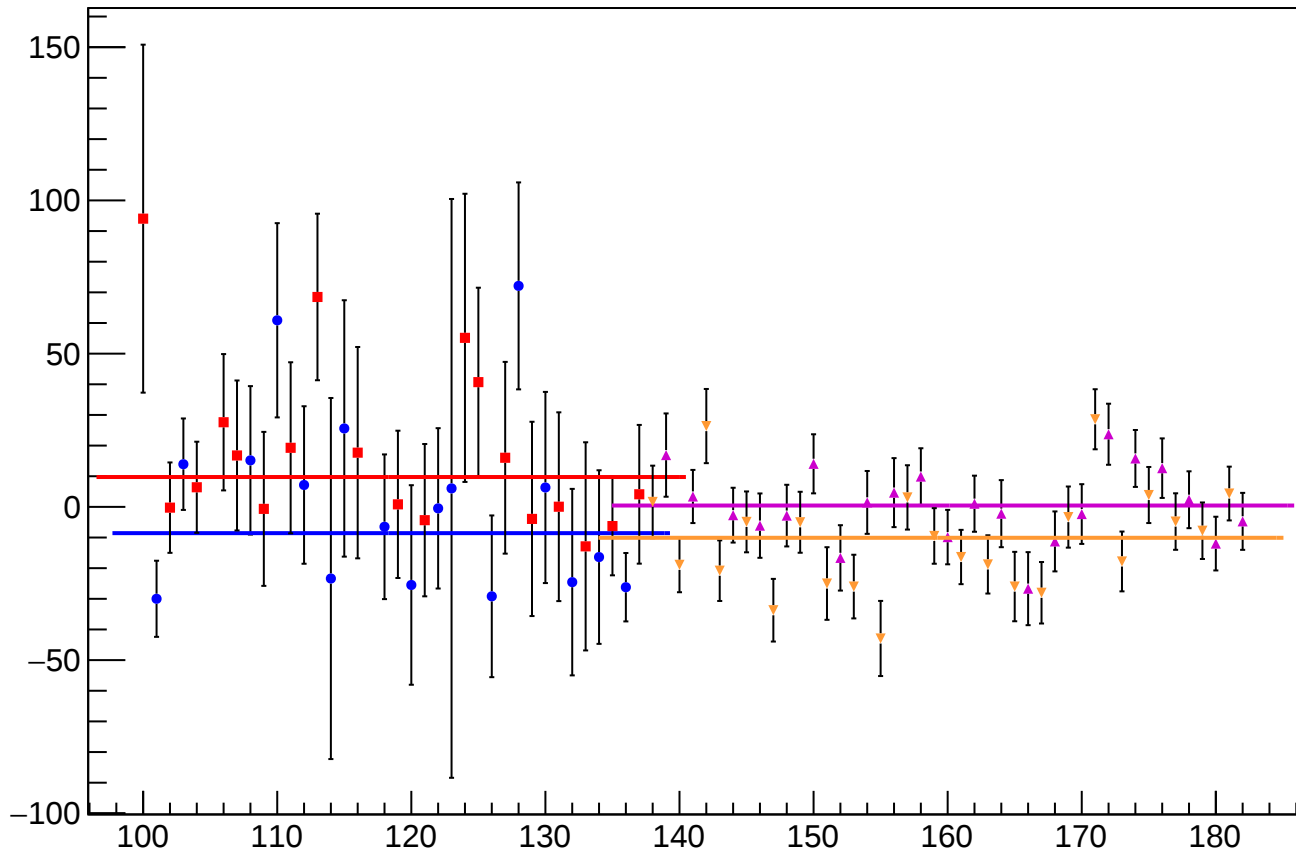
Right: 6812.726 $\pm$ 1.335 χ^2/NDF : 1251328.8/35

In: 6605.437 $\pm$ 0.971 χ^2/NDF : 1061790.0/38

Out: 6537.378 $\pm$ 0.949 χ^2/NDF : 1153961.6/41

All: 6570.637 $\pm$ 0.679 χ^2/NDF : 2218264.8/80

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.571 ± 5.419 χ^2/NDF : 21.9/16

Left Out: -10.087 ± 2.077 χ^2/NDF : 59.4/22

Right Out: 9.742 ± 5.521 χ^2/NDF : 12.7/18

Left In: 0.442 ± 2.093 χ^2/NDF : 28.2/21

Left: -4.862 ± 1.474 χ^2/NDF : 100.3/44

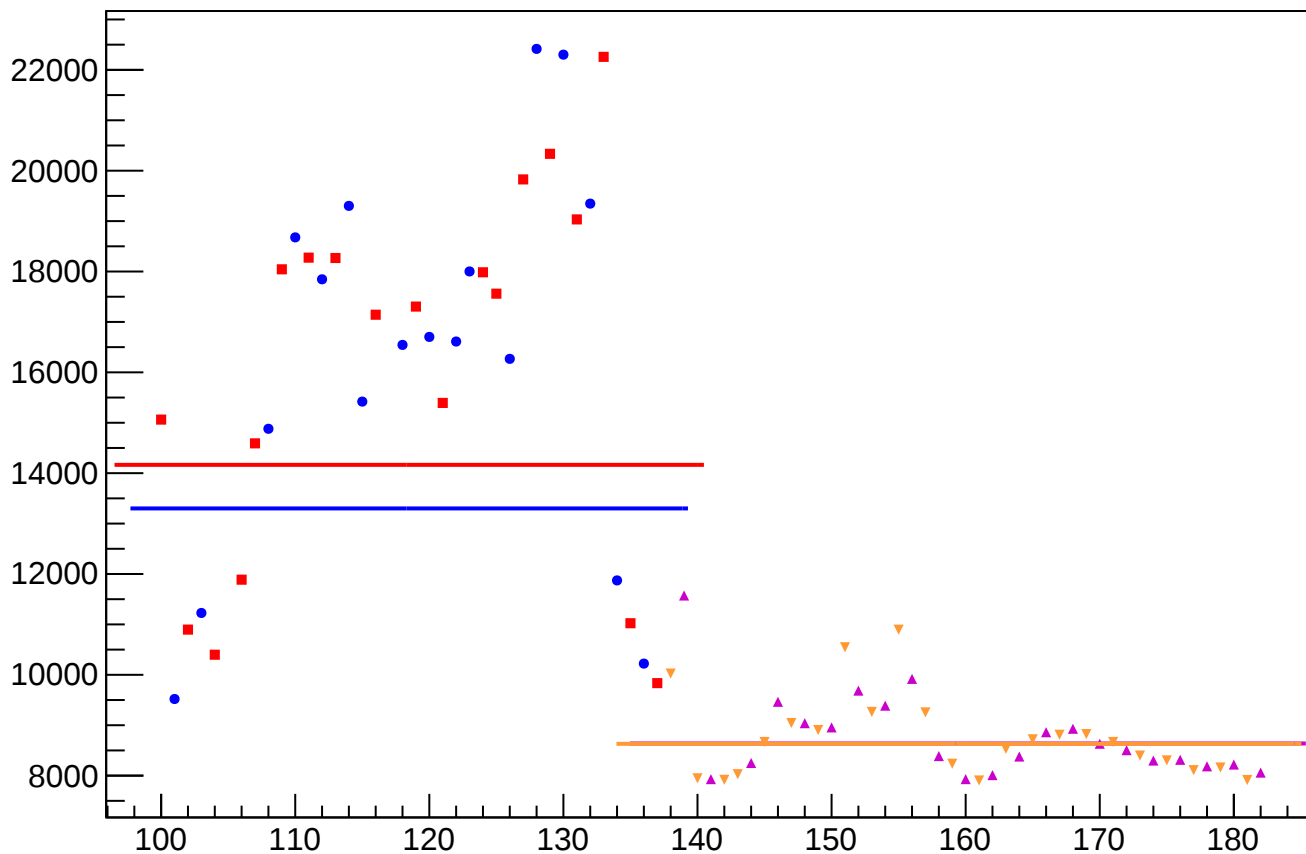
Right: 0.414 ± 3.867 χ^2/NDF : 40.2/35

In: -0.728 ± 1.952 χ^2/NDF : 52.5/38

Out: -7.628 ± 1.944 χ^2/NDF : 83.3/41

All: -4.192 ± 1.378 χ^2/NDF : 142.1/80

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13300.415+/-3.832 χ^2/NDF : 1048873.0/16

Left Out: 8631.101+/-1.469 χ^2/NDF :241374.1/22

Right Out: 14164.824+/-3.904 χ^2/NDF : 931262.5/18

Left In: 8637.794+/-1.480 χ^2/NDF :233564.7/21

Left: 8634.422+/-1.043 χ^2/NDF : 474949.1/44

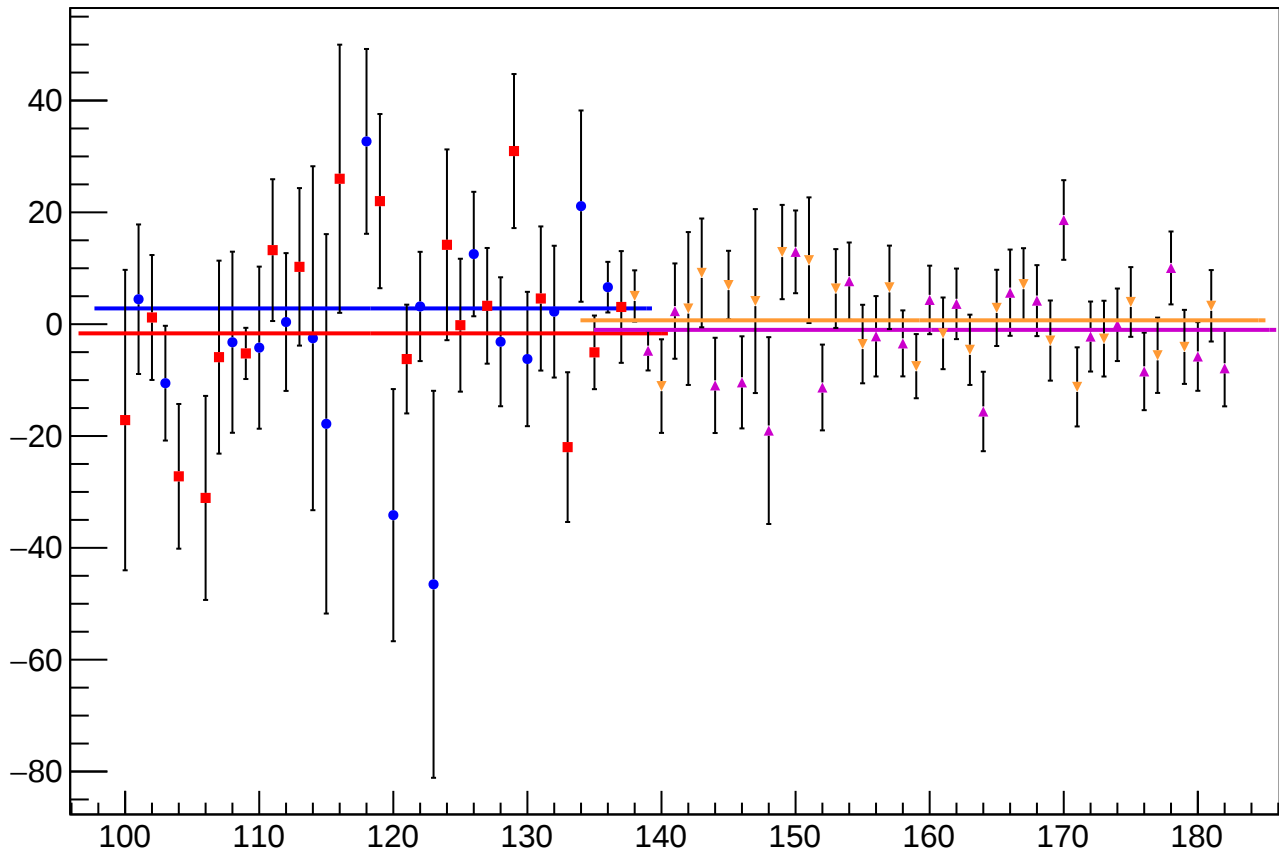
Right: 13724.540+/-2.735 χ^2/NDF : 2005107.5/35

In: 9243.093+/-1.381 χ^2/NDF :2571018.0/38

Out: 9317.328+/-1.375 χ^2/NDF :2932734.8/41

All: 9280.366+/-0.974 χ^2/NDF : 5505204.6/80

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.820 ± 2.762 $\chi^2/\text{NDF}: 14.0/16$

Left Out: 0.691 ± 1.458 $\chi^2/\text{NDF}: 18.6/22$

Right Out: -1.643 ± 2.447 $\chi^2/\text{NDF}: 23.3/18$

Left In: -1.017 ± 1.407 $\chi^2/\text{NDF}: 32.5/21$

Left: -0.193 ± 1.013 $\chi^2/\text{NDF}: 51.8/44$

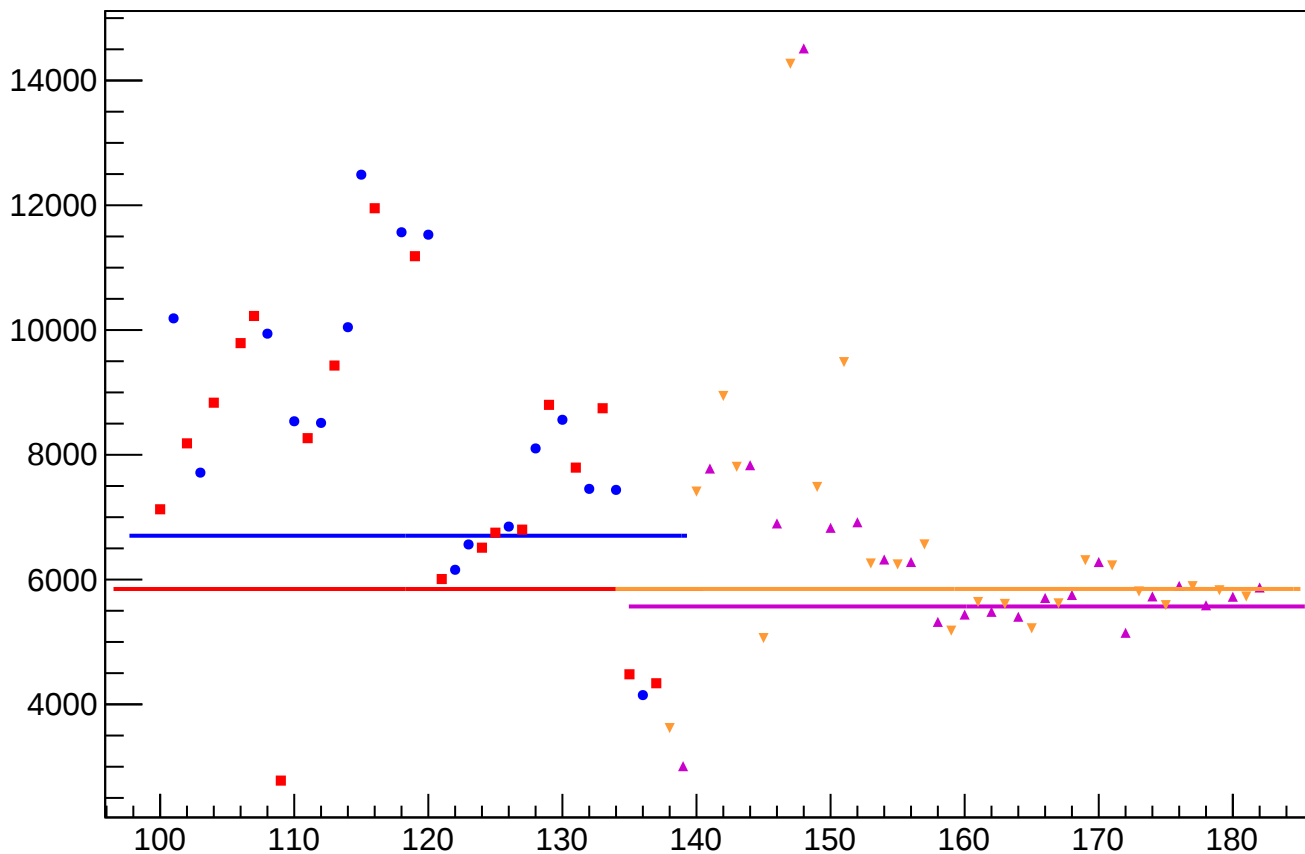
Right: 0.319 ± 1.832 $\chi^2/\text{NDF}: 38.7/35$

In: -0.226 ± 1.254 $\chi^2/\text{NDF}: 48.0/38$

Out: 0.080 ± 1.252 $\chi^2/\text{NDF}: 42.5/41$

All: -0.073 ± 0.886 $\chi^2/\text{NDF}: 90.5/80$

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.778 $\pm$ 1.953 χ^2 /NDF: 1389564.7/16

Left Out: 5849.798 $\pm$ 1.031 χ^2 /NDF: 1670403.7/22

Right Out: 5848.805 $\pm$ 1.731 χ^2 /NDF: 2281985.9/18

Left In: 5568.936 $\pm$ 0.995 χ^2 /NDF: 2162443.9/21

Left: 5704.439 $\pm$ 0.716 χ^2 /NDF: 3871273.8/44

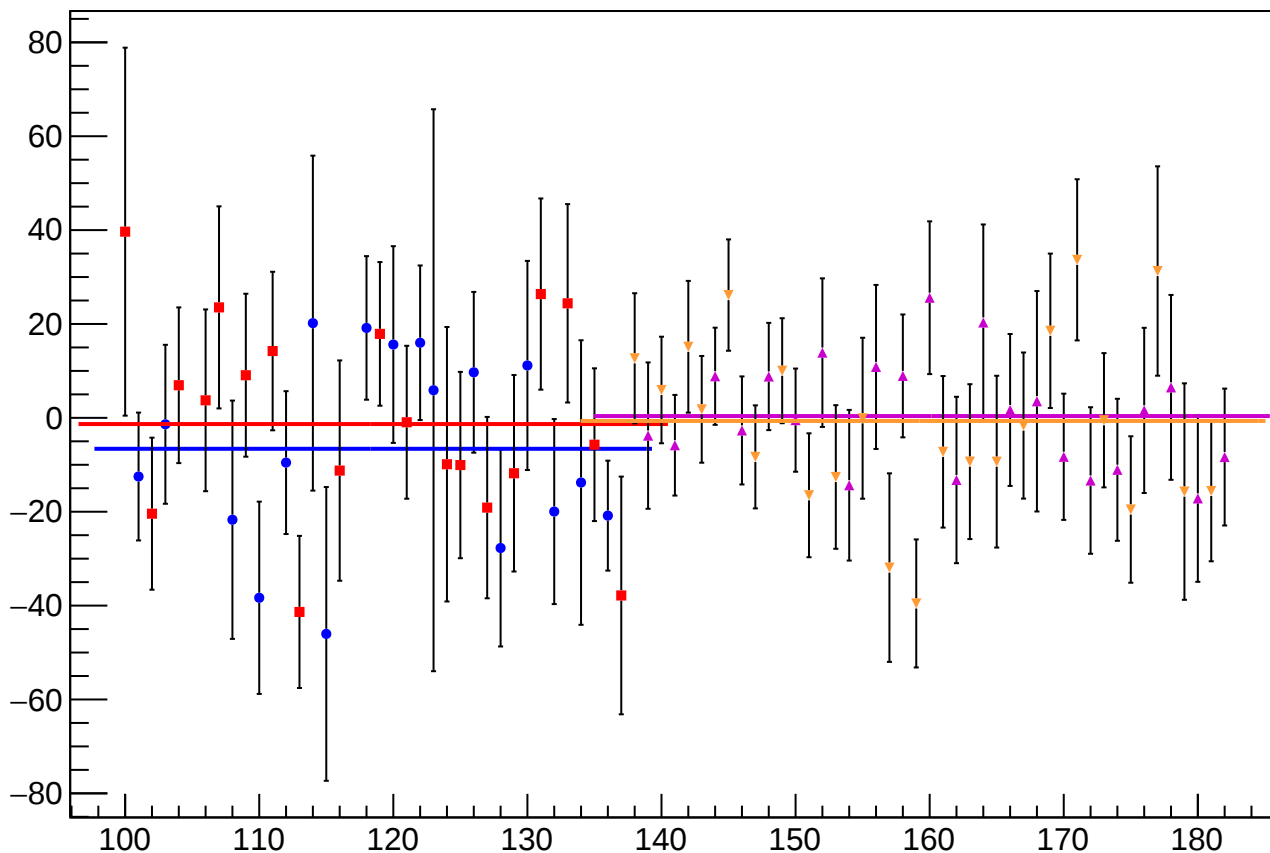
Right: 6224.325 $\pm$ 1.295 χ^2 /NDF: 3778631.4/35

In: 5802.592 $\pm$ 0.887 χ^2 /NDF: 3819501.9/38

Out: 5849.538 $\pm$ 0.886 χ^2 /NDF: 3952389.8/41

All: 5826.096 $\pm$ 0.627 χ^2 /NDF: 7773295.0/80

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -6.592 $\pm$ 4.559 χ^2/NDF : 15.7/16

Left Out: -0.665 $\pm$ 3.022 χ^2/NDF : 32.7/22

Right Out: -1.319 $\pm$ 4.382 χ^2/NDF : 20.1/18

Left In: 0.382 $\pm$ 3.083 χ^2/NDF : 11.2/21

Left: -0.152 $\pm$ 2.158 χ^2/NDF : 43.9/44

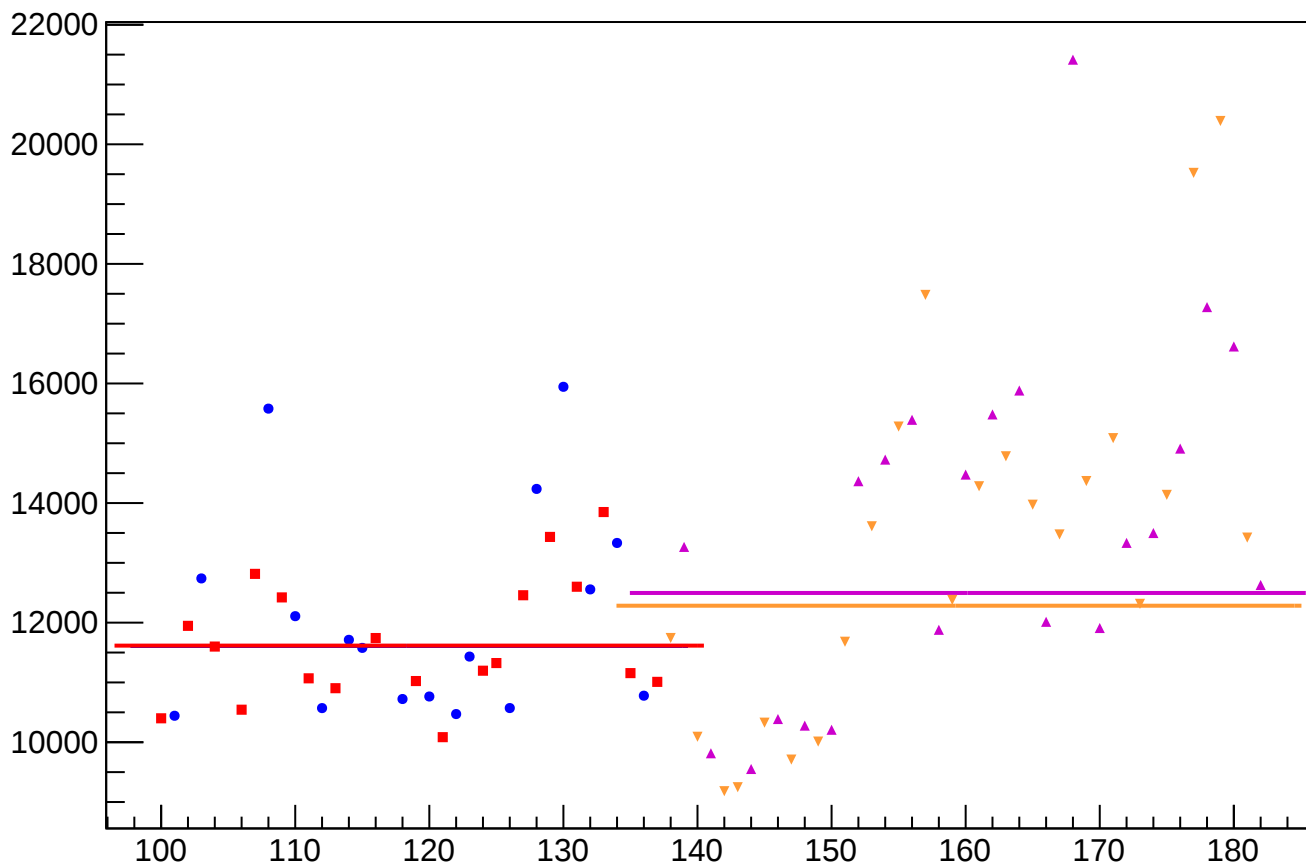
Right: -3.851 $\pm$ 3.160 χ^2/NDF : 36.4/35

In: -1.807 $\pm$ 2.554 χ^2/NDF : 28.4/38

Out: -0.876 $\pm$ 2.488 χ^2/NDF : 52.7/41

All: -1.329 $\pm$ 1.782 χ^2/NDF : 81.2/80

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11609.845+/-3.224 χ^2/NDF : 238142.5/16

Left Out: 12283.156+/-2.137 χ^2/NDF : 1467636.8/22

Right Out: 11615.563+/-3.099 χ^2/NDF : 95603.2/18

Left In: 12496.361+/-2.180 χ^2/NDF : 1357636.3/21

Left: 12387.610+/-1.526 χ^2/NDF : 2830150.8/44

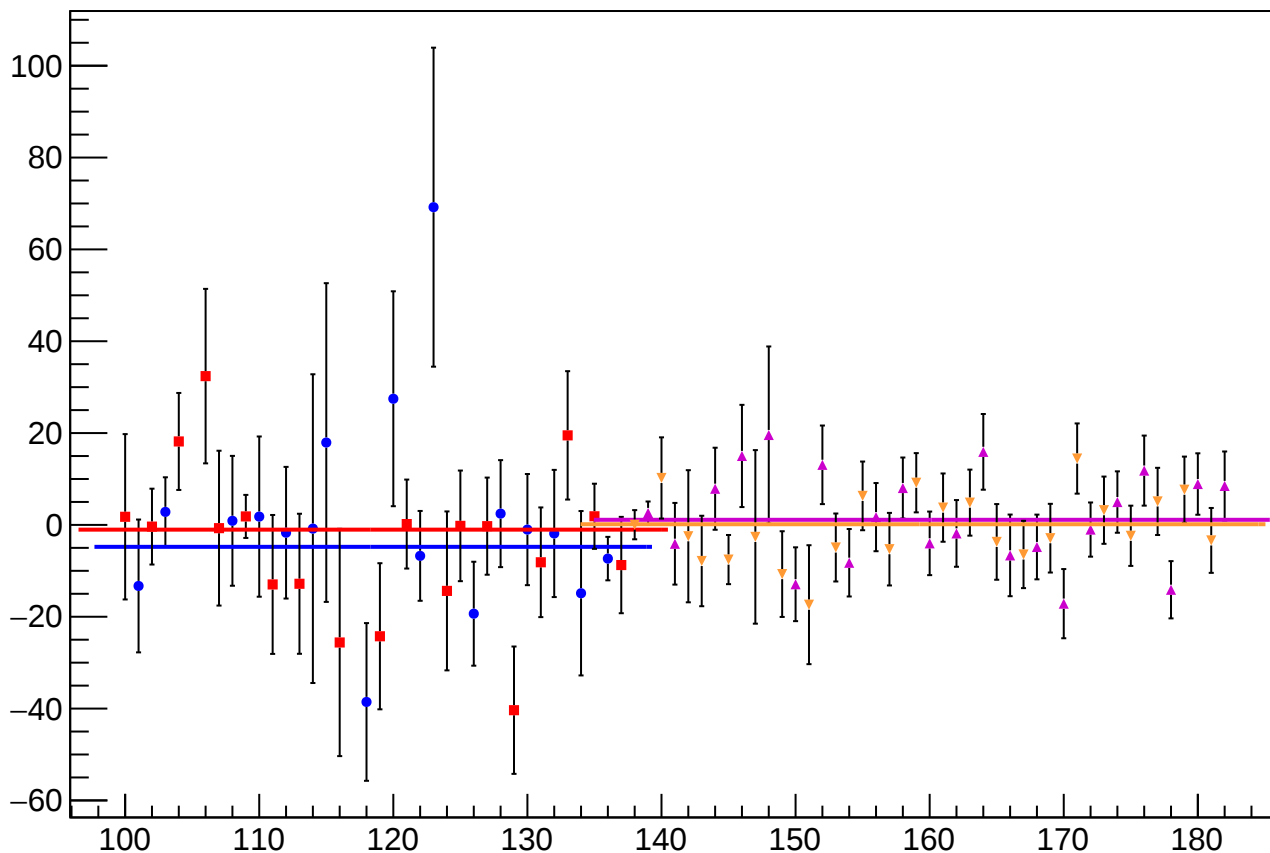
Right: 11612.817+/-2.234 χ^2/NDF : 333747.4/35

In: 12218.154+/-1.806 χ^2/NDF : 1647663.4/38

Out: 12068.028+/-1.759 χ^2/NDF : 1594695.9/41

All: 12141.115+/-1.260 χ^2/NDF : 3245905.1/8

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.776 ± 2.787 χ^2/NDF : 15.3/16

Left Out: 0.145 ± 1.468 χ^2/NDF : 18.3/22

Right Out: -1.032 ± 2.434 χ^2/NDF : 23.0/18

Left In: 1.112 ± 1.381 χ^2/NDF : 33.5/21

Left: 0.658 ± 1.006 χ^2/NDF : 52.0/44

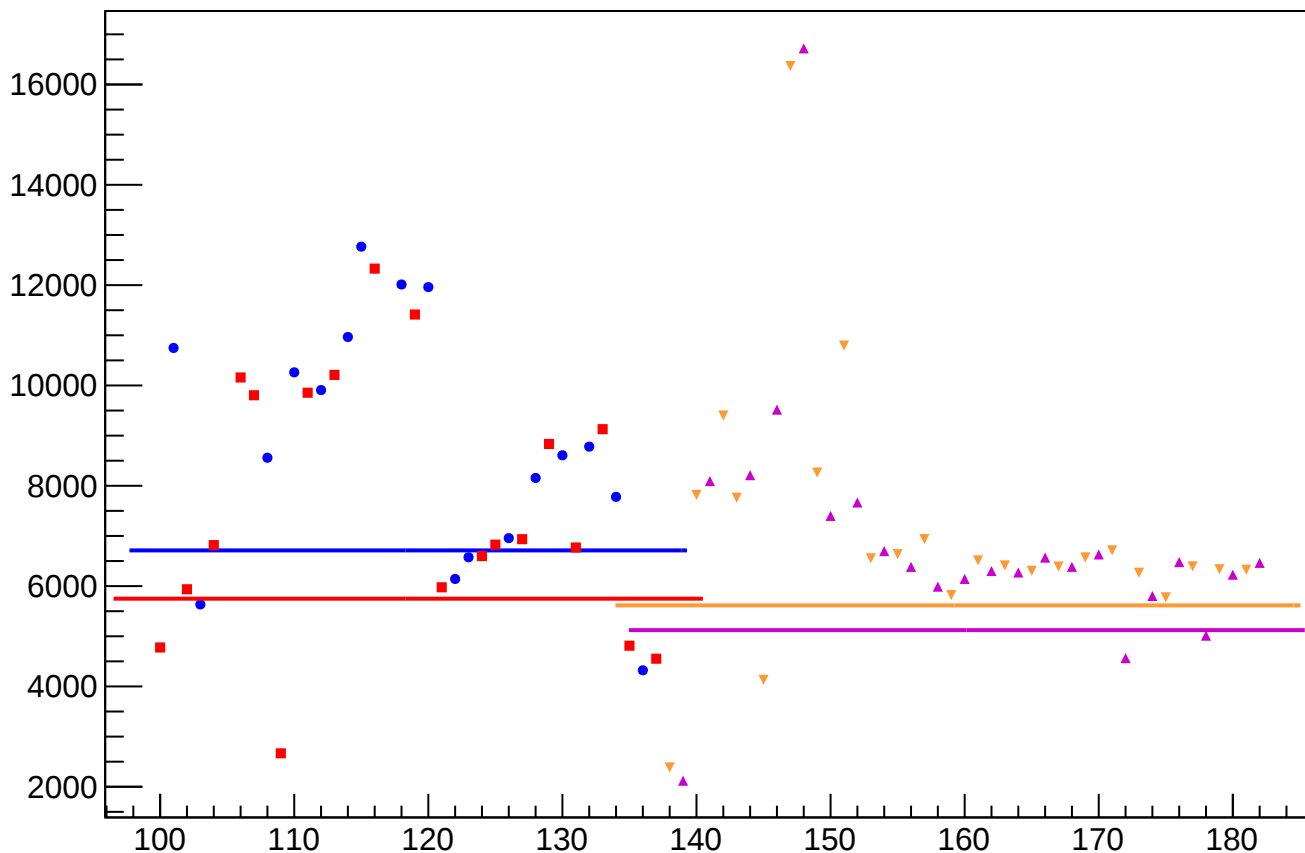
Right: -2.652 ± 1.833 χ^2/NDF : 39.3/35

In: -0.048 ± 1.237 χ^2/NDF : 52.4/38

Out: -0.169 ± 1.257 χ^2/NDF : 41.5/41

All: -0.108 ± 0.882 χ^2/NDF : 93.9/80

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.784+/-1.971 χ^2/NDF : 1446319.6/16

Left Out: 5616.206+/-1.038 χ^2/NDF : 4078501.4/22

Right Out: 5749.579+/-1.721 χ^2/NDF : 2167509.2/18

Left In: 5122.389+/-0.976 χ^2/NDF : 5477058.1/21

Left: 5354.127+/-0.711 χ^2/NDF : 9675626.2/44

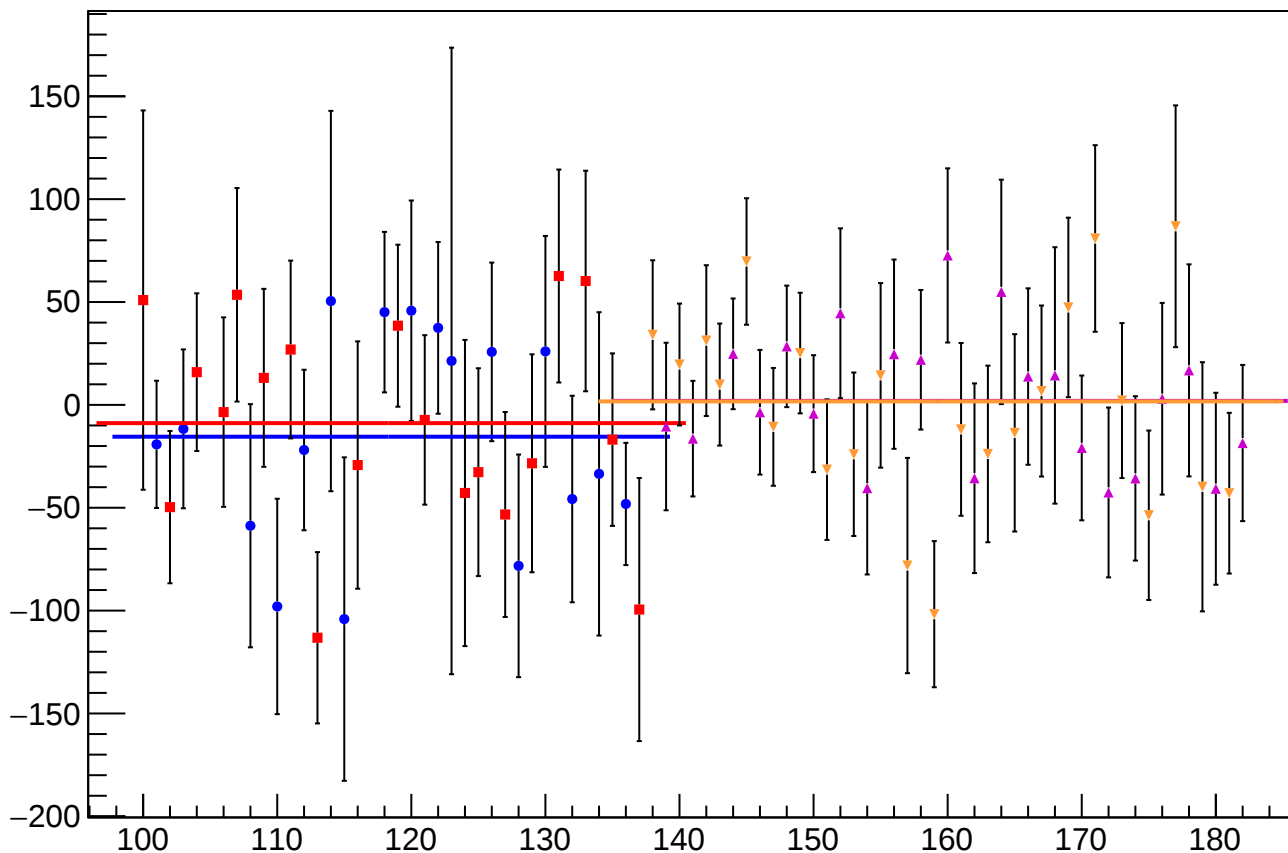
Right: 6165.779+/-1.296 χ^2/NDF : 3749071.1/35

In: 5435.522+/-0.875 χ^2/NDF : 7445557.5/38

Out: 5651.799+/-0.889 χ^2/NDF : 6250414.7/41

All: 5541.929+/-0.624 χ^2/NDF : 13726042.1/80

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -15.474 ± 11.317 χ^2/NDF : 14.7/16

Left Out: 1.693 ± 7.902 χ^2/NDF : 30.3/22

Right Out: -8.865 ± 10.914 χ^2/NDF : 19.3/18

Left In: 1.925 ± 8.058 χ^2/NDF : 13.0/21

Left: 1.807 ± 5.642 χ^2/NDF : 43.3/44

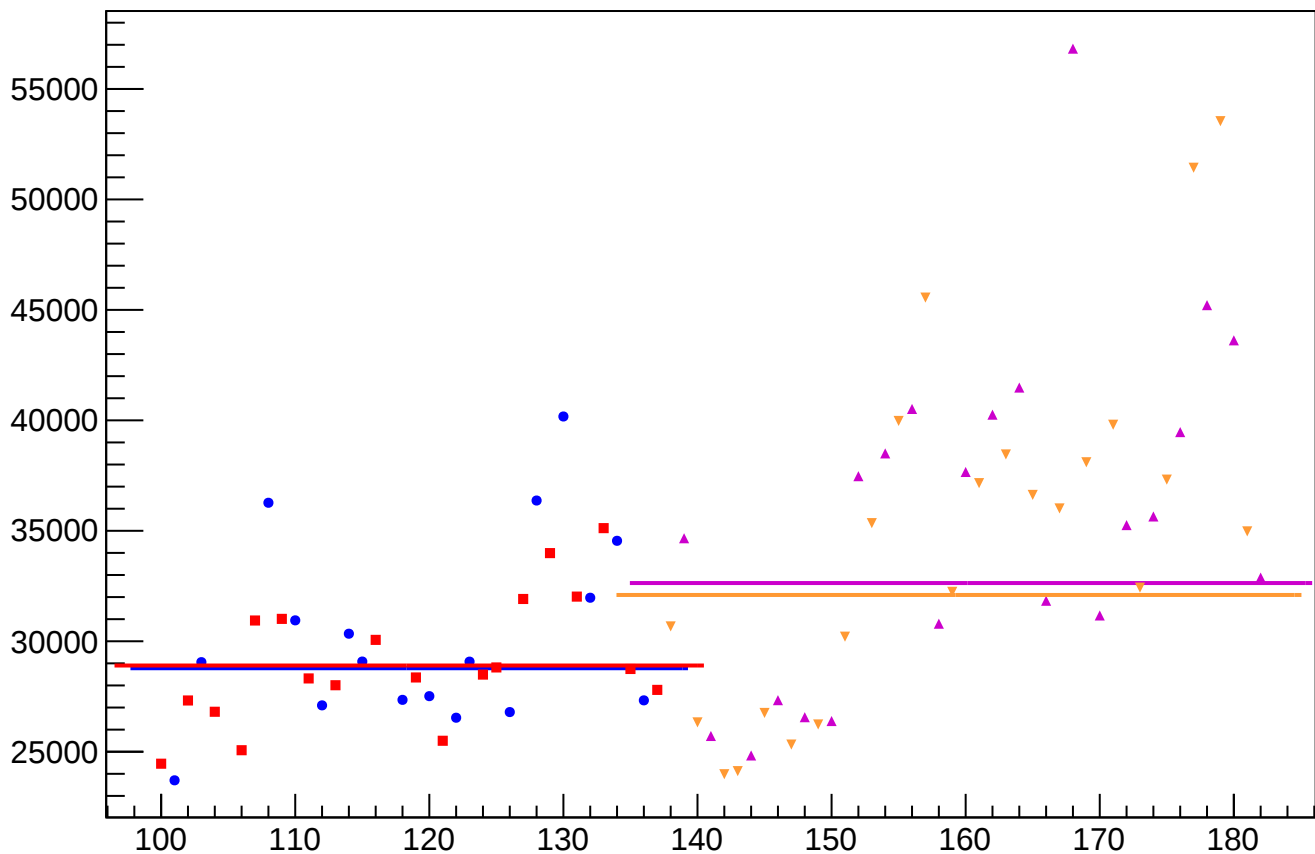
Right: -12.049 ± 7.856 χ^2/NDF : 34.1/35

In: -3.928 ± 6.564 χ^2/NDF : 29.2/38

Out: -1.938 ± 6.400 χ^2/NDF : 50.1/41

All: -2.908 ± 4.583 χ^2/NDF : 79.4/80

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28779.223+/-8.003 χ^2/NDF : 252972.7/16

Left Out: 32095.917+/-5.587 χ^2/NDF :1502120.4/22

Right Out: 28902.401+/-7.717 χ^2/NDF : 112698.1/18

Left In: 32635.484+/-5.698 χ^2/NDF :1402103.1/21

Left: 32360.412+/-3.989 χ^2/NDF : 2908795.0/44

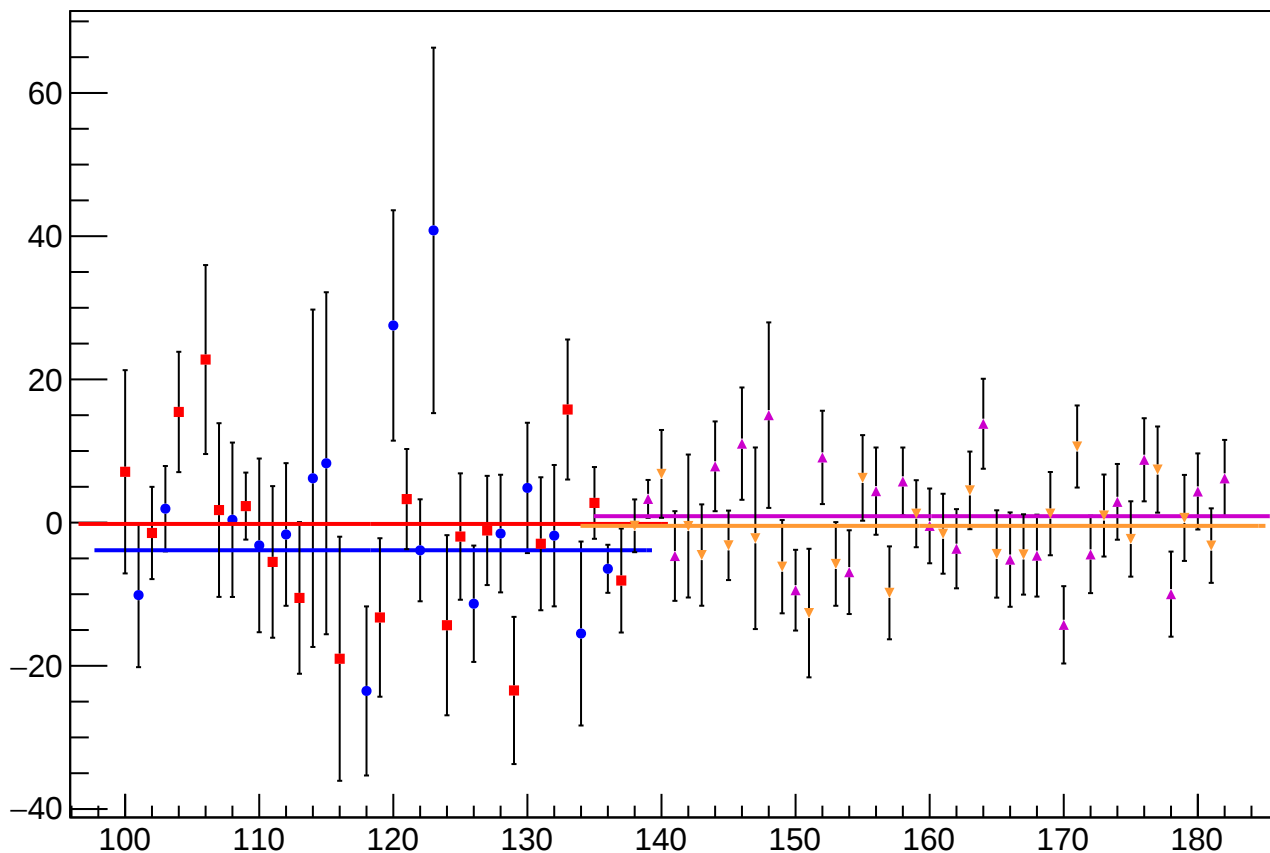
Right: 28843.046+/-5.555 χ^2/NDF : 365793.6/35

In: 31338.200+/-4.642 χ^2/NDF :1809166.6/38

Out: 30997.650+/-4.526 χ^2/NDF :1727170.5/41

All: 31163.621+/-3.240 χ^2/NDF : 3539096.7/80

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.861 ± 2.014 χ^2/NDF : 14.9/16

Left Out: -0.455 ± 1.208 χ^2/NDF : 16.8/22

Right Out: -0.185 ± 1.897 χ^2/NDF : 21.9/18

Left In: 0.897 ± 1.153 χ^2/NDF : 36.2/21

Left: 0.252 ± 0.834 χ^2/NDF : 53.6/44

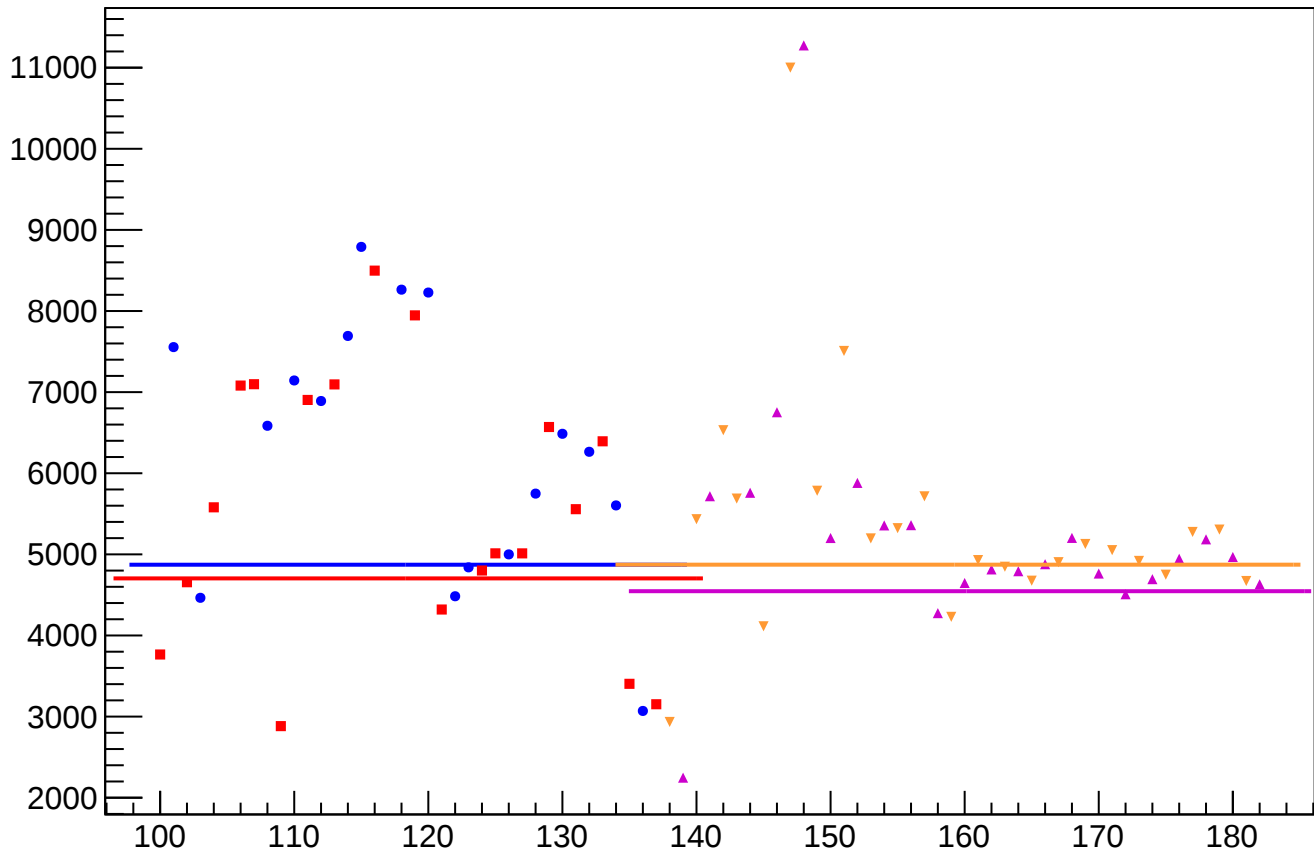
Right: -1.913 ± 1.381 χ^2/NDF : 38.6/35

In: -0.278 ± 1.001 χ^2/NDF : 55.3/38

Out: -0.377 ± 1.019 χ^2/NDF : 38.7/41

All: -0.327 ± 0.714 χ^2/NDF : 94.0/80

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.339+/-1.424 χ^2/NDF : 1404599.6/16

Left Out: 4872.889+/-0.854 χ^2/NDF : 1500483.4/22

Right Out: 4703.667+/-1.341 χ^2/NDF : 1315659.7/18

Left In: 4545.865+/-0.815 χ^2/NDF : 2634123.8/21

Left: 4701.744+/-0.590 χ^2/NDF : 4211313.8/44

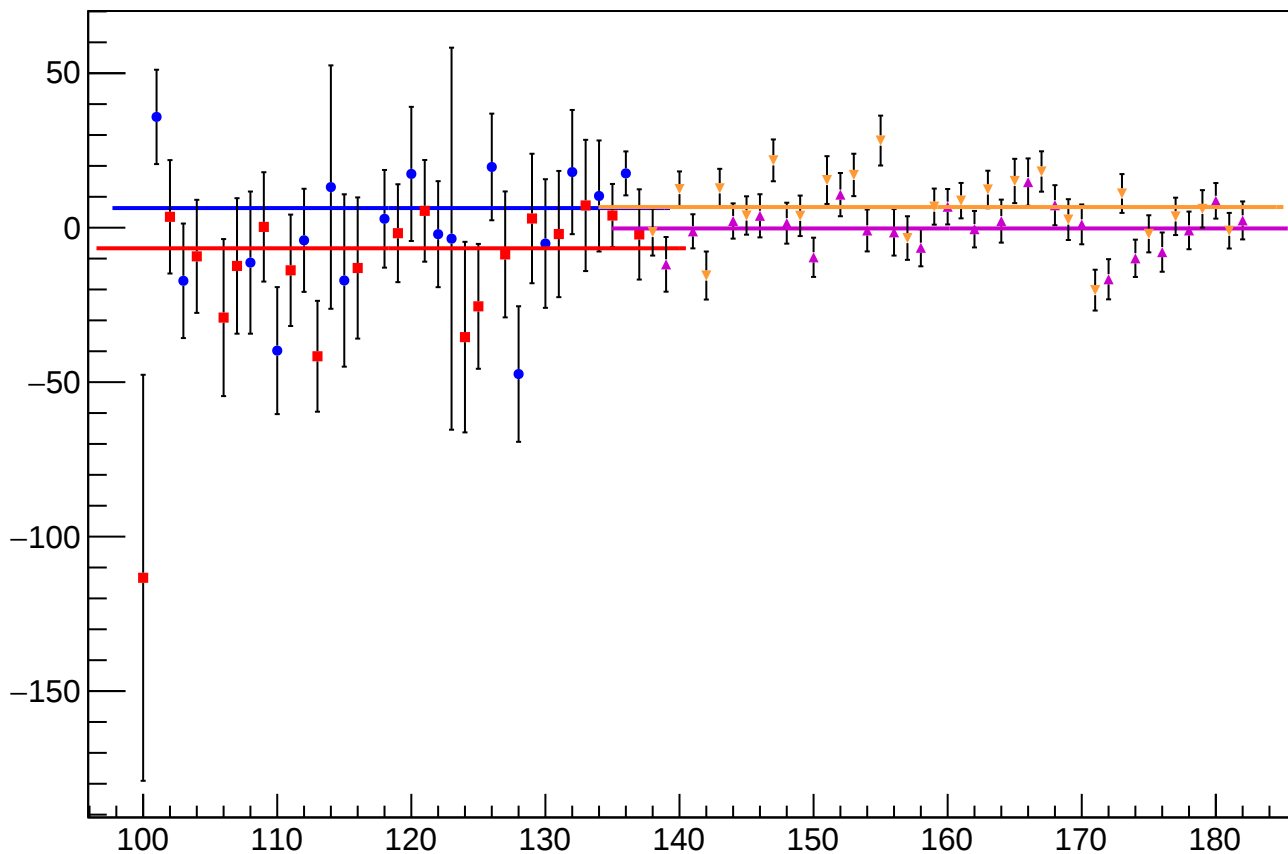
Right: 4782.958+/-0.976 χ^2/NDF : 2727693.9/35

In: 4626.448+/-0.707 χ^2/NDF : 4078311.0/38

Out: 4824.058+/-0.720 χ^2/NDF : 2827468.2/41

All: 4723.453+/-0.505 χ^2/NDF : 6944077.3/80

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.348+/-4.088 χ^2/NDF : 22.4/16

Left Out: 6.681+/-1.352 χ^2/NDF : 56.3/22

Right Out: -6.668+/-4.232 χ^2/NDF : 12.2/18

Left In: -0.248+/-1.366 χ^2/NDF : 27.9/21

Left: 3.252+/-0.961 χ^2/NDF : 97.2/44

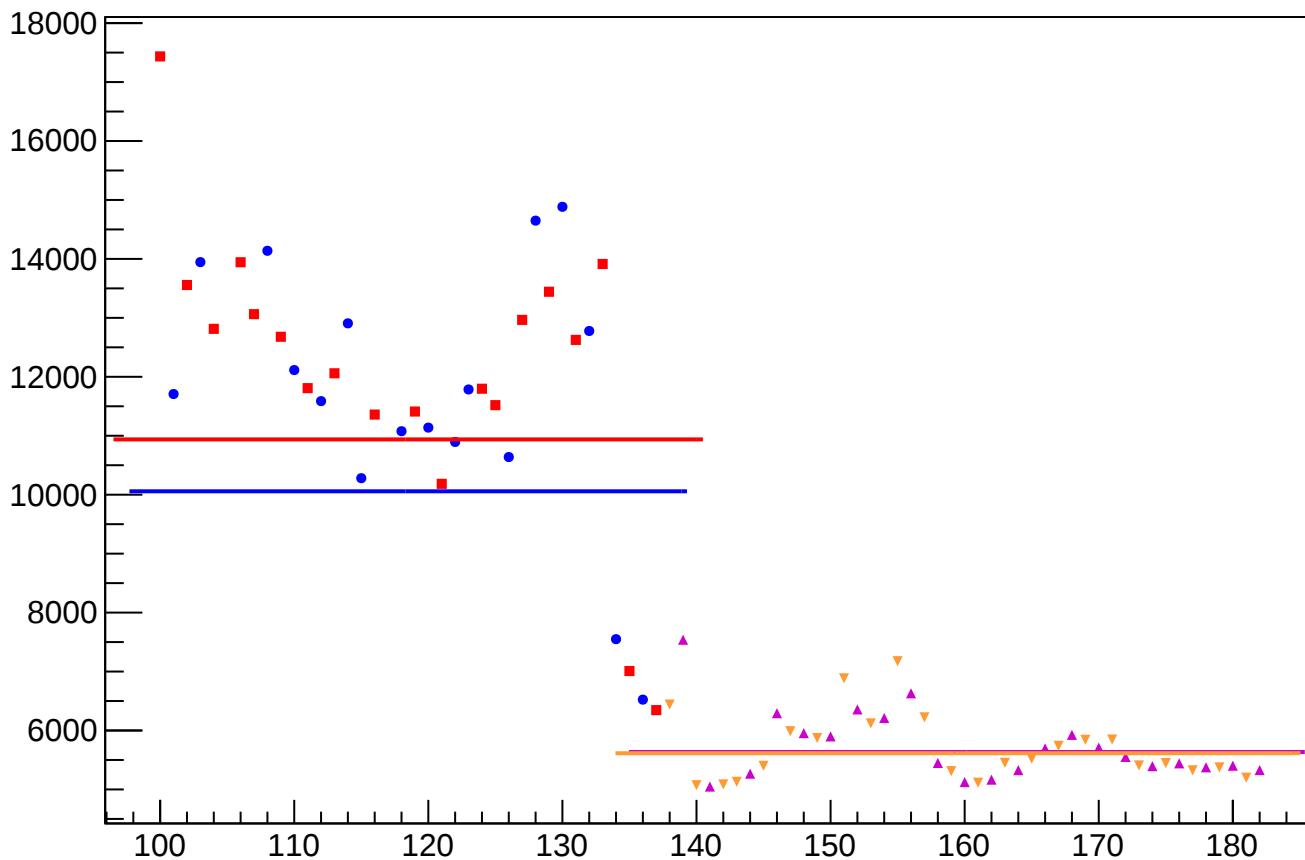
Right: 0.065+/-2.941 χ^2/NDF : 39.6/35

In: 0.415+/-1.296 χ^2/NDF : 52.7/38

Out: 5.445+/-1.288 χ^2/NDF : 77.6/41

All: 2.945+/-0.914 χ^2/NDF : 137.8/80

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10057.738 $\pm$ 2.891 χ^2 /NDF: 1007657.1/16

Left Out: 5614.321 $\pm$ 0.956 χ^2 /NDF: 278343.7/22

Right Out: 10938.028 $\pm$ 2.993 χ^2 /NDF: 764124.4/18

Left In: 5634.992 $\pm$ 0.966 χ^2 /NDF: 275983.1/21

Left: 5624.550 $\pm$ 0.680 χ^2 /NDF: 554558.1/44

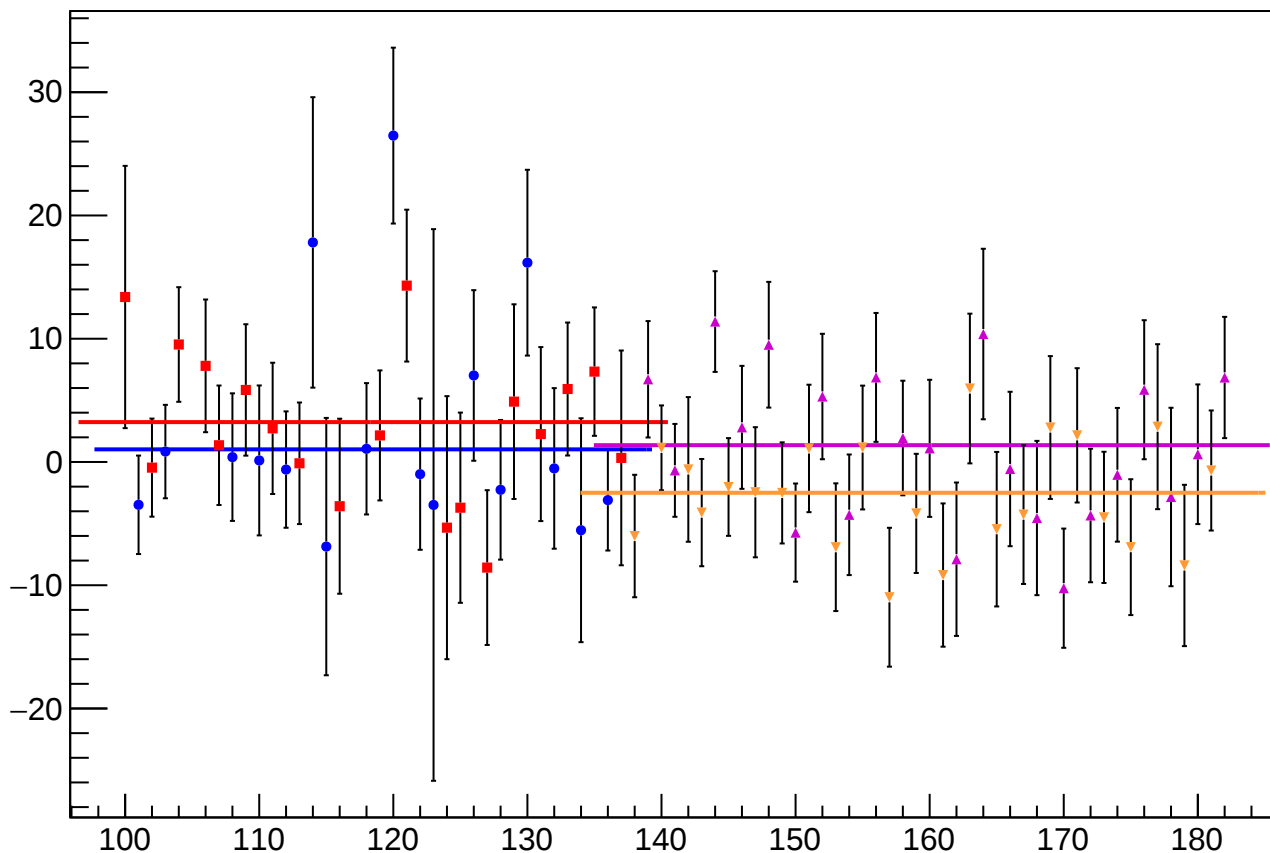
Right: 10482.673 $\pm$ 2.079 χ^2 /NDF: 1816537.6/35

In: 6079.228 $\pm$ 0.916 χ^2 /NDF: 3388956.1/38

Out: 6107.425 $\pm$ 0.911 χ^2 /NDF: 3913857.3/41

All: 6093.410 $\pm$ 0.646 χ^2 /NDF: 7303289.8/80

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.024 ± 1.405 χ^2/NDF : 23.6/16

Left Out: -2.497 ± 1.061 χ^2/NDF : 13.5/22

Right Out: 3.235 ± 1.336 χ^2/NDF : 15.4/18

Left In: 1.363 ± 1.088 χ^2/NDF : 30.7/21

Left: -0.616 ± 0.760 χ^2/NDF : 50.6/44

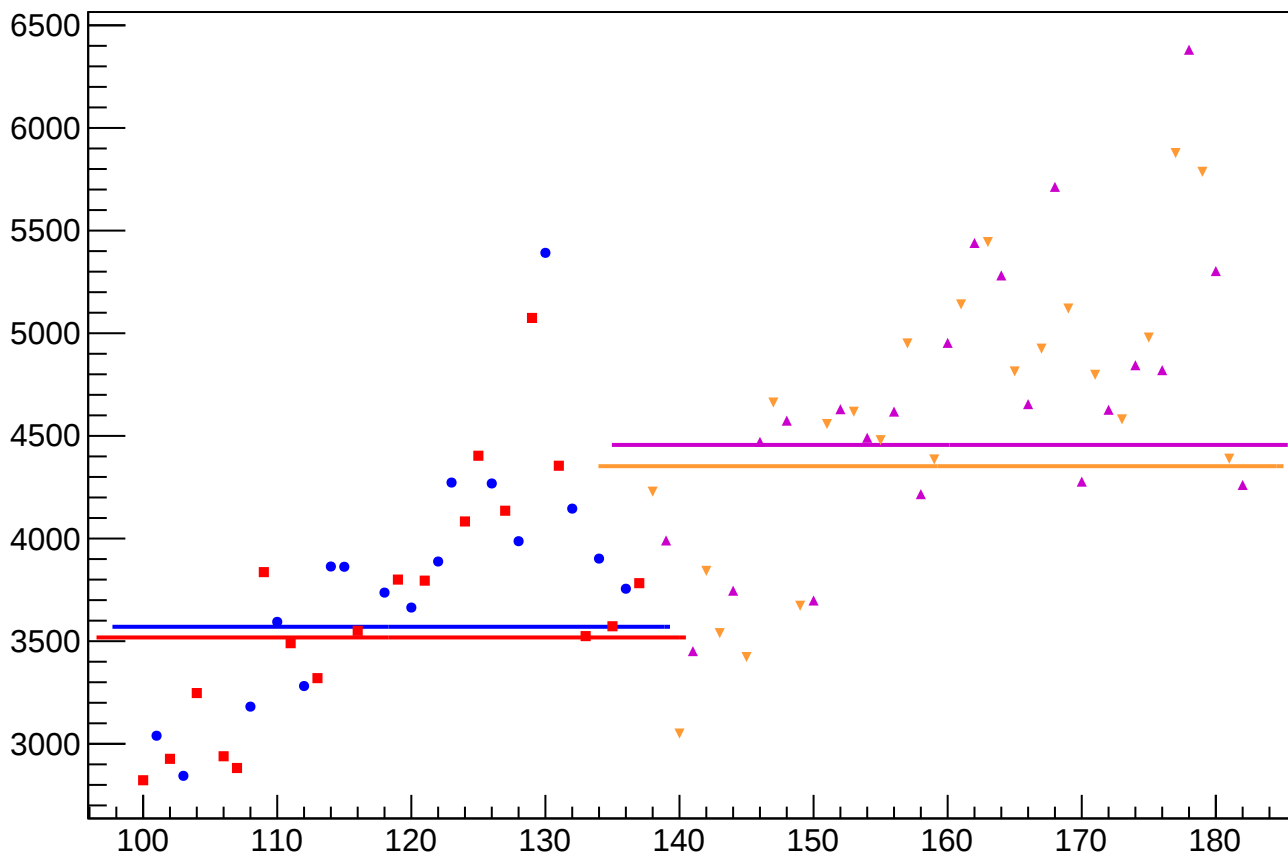
Right: 2.186 ± 0.968 χ^2/NDF : 40.3/35

In: 1.236 ± 0.861 χ^2/NDF : 54.3/38

Out: -0.279 ± 0.831 χ^2/NDF : 40.2/41

All: 0.452 ± 0.598 χ^2/NDF : 96.1/80

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.193+/-0.994 χ^2/NDF : 310317.2/16

Left Out: 4352.468+/-0.751 χ^2/NDF : 987824.4/22

Right Out: 3518.219+/-0.944 χ^2/NDF : 296342.1/18

Left In: 4456.048+/-0.770 χ^2/NDF : 694921.0/21

Left: 4402.953+/-0.537 χ^2/NDF : 1692029.3/44

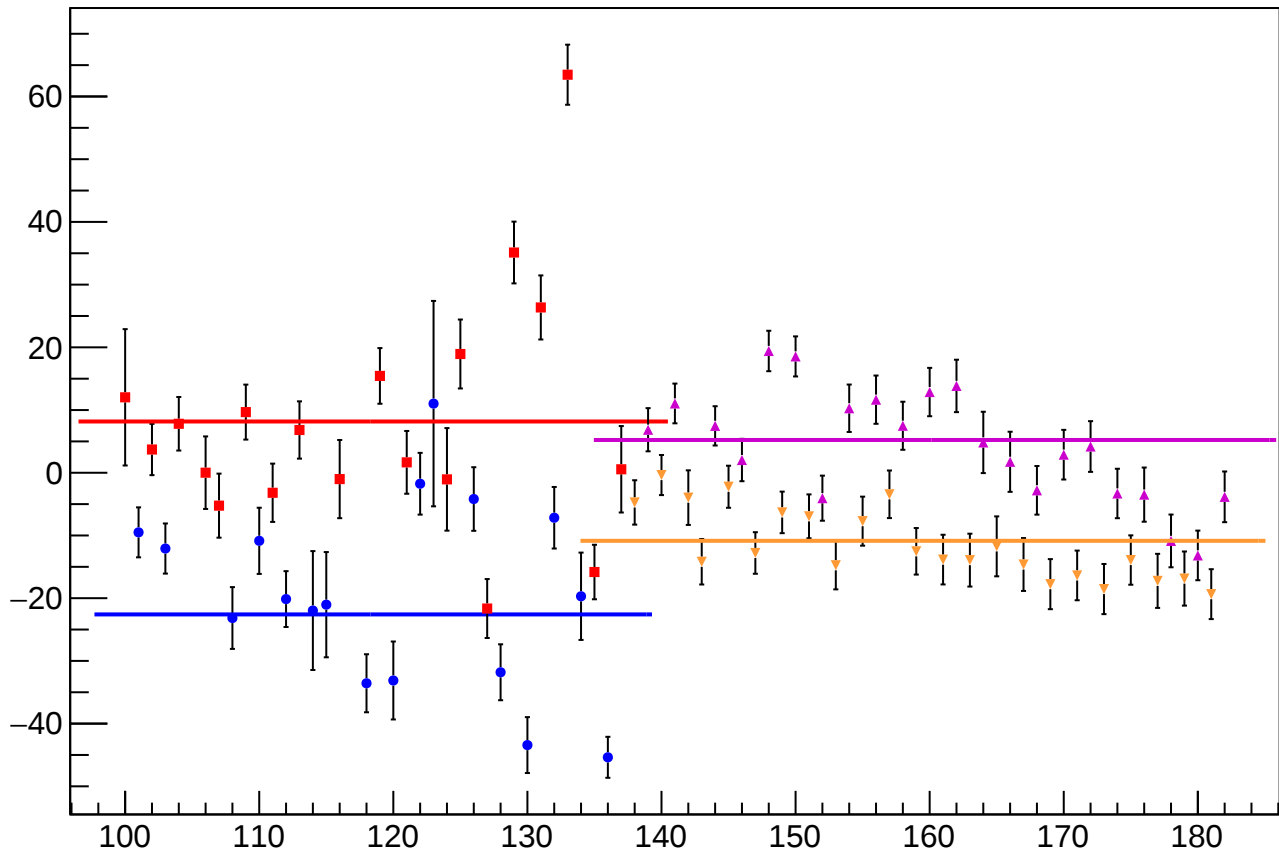
Right: 3542.887+/-0.685 χ^2/NDF : 608096.5/35

In: 4123.881+/-0.608 χ^2/NDF : 1501964.8/38

Out: 4029.588+/-0.588 χ^2/NDF : 1762385.6/41

All: 4075.087+/-0.423 χ^2/NDF : 3276776.6/80

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.588 +/- 1.203 χ^2/NDF : 151.6/16

Left Out: -10.852 +/- 0.796 χ^2/NDF : 52.8/22

Right Out: 8.176 +/- 1.159 χ^2/NDF : 275.9/18

Left In: 5.227 +/- 0.803 χ^2/NDF : 116.9/21

Left: -2.883 +/- 0.565 χ^2/NDF : 372.0/44

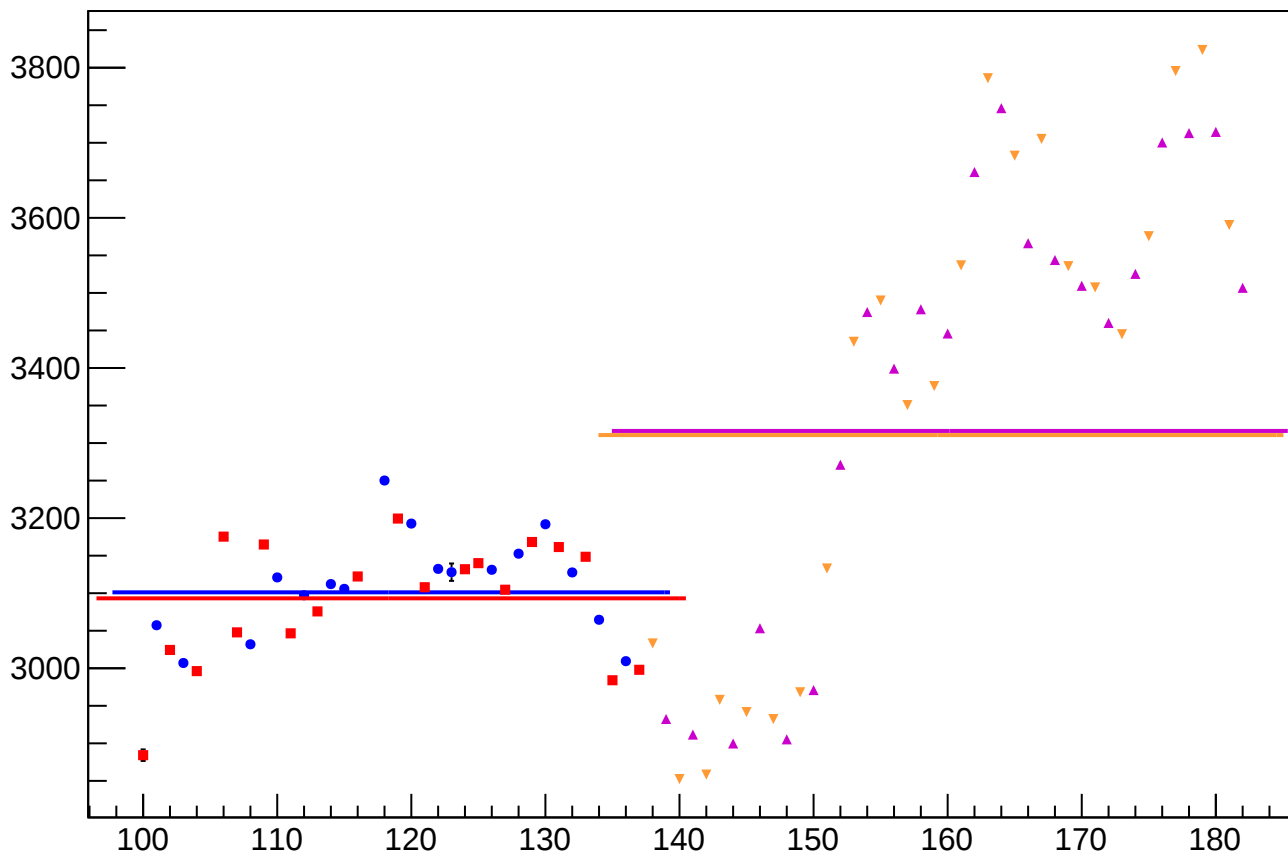
Right: -6.636 +/- 0.834 χ^2/NDF : 766.8/35

In: -3.346 +/- 0.668 χ^2/NDF : 638.5/38

Out: -4.754 +/- 0.656 χ^2/NDF : 511.9/41

All: -4.063 +/- 0.468 χ^2/NDF : 1152.7/80

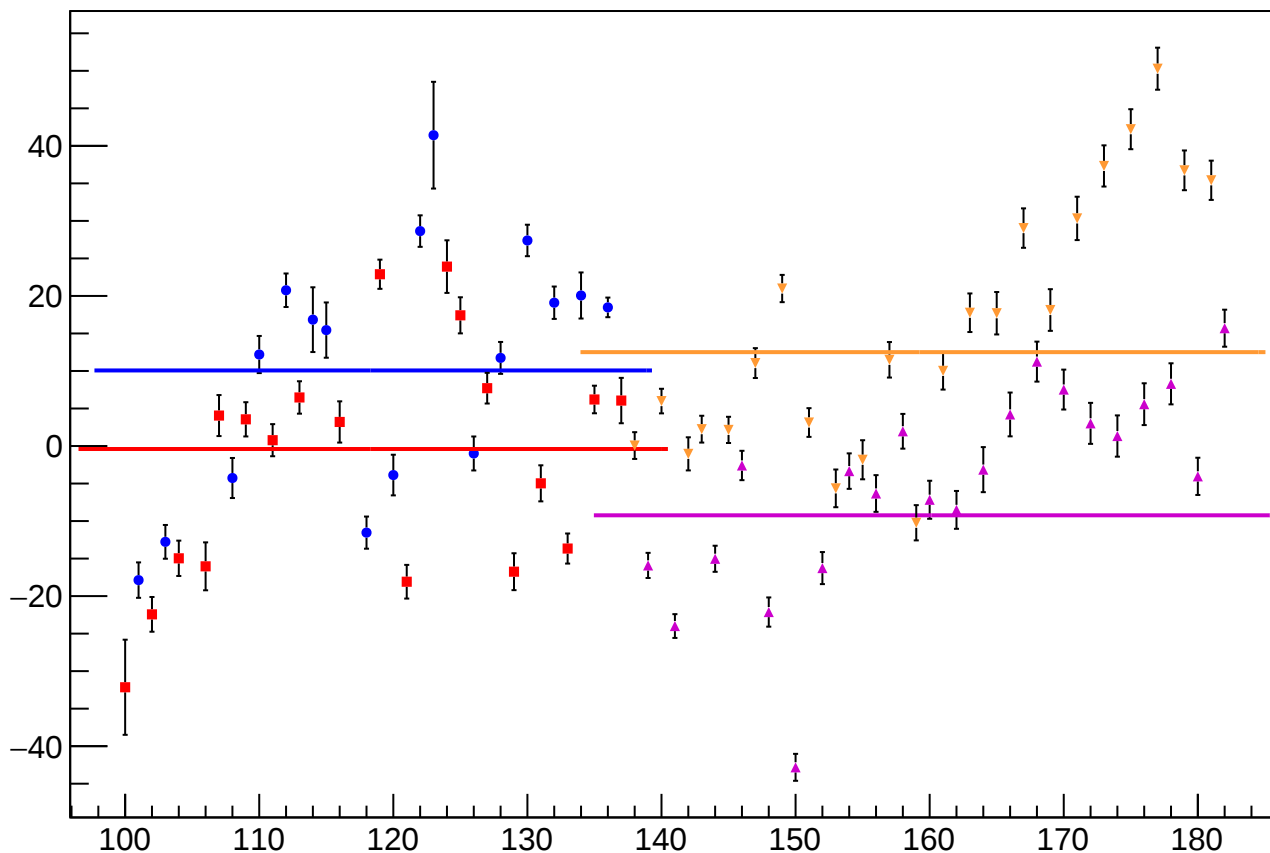
diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.155 $\pm$ 0.850 χ^2 /NDF: 7225.5/16
 Left Out: 3310.633 $\pm$ 0.563 χ^2 /NDF:325610.3/22
 Right Out: 3093.153 $\pm$ 0.819 χ^2 /NDF: 7805.1/18
 Left In: 3316.150 $\pm$ 0.568 χ^2 /NDF:284049.6/21

Left: 3313.367 $\pm$ 0.400 χ^2 /NDF: 609707.6/44
 Right: 3097.006 $\pm$ 0.590 χ^2 /NDF: 15076.5/35
 In: 3249.881 $\pm$ 0.472 χ^2 /NDF:335492.7/38
 Out: 3240.944 $\pm$ 0.464 χ^2 /NDF:381281.9/41
 All: 3245.333 $\pm$ 0.331 χ^2 /NDF: 716956.9/80

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.071 ± 0.563 χ^2/NDF : 688.1/16

Left Out: 12.511 ± 0.469 χ^2/NDF : 1031.6/22

Right Out: -0.397 ± 0.548 χ^2/NDF : 629.0/18

Left In: -9.234 ± 0.479 χ^2/NDF : 896.5/21

Left: 1.879 ± 0.335 χ^2/NDF : 2979.5/44

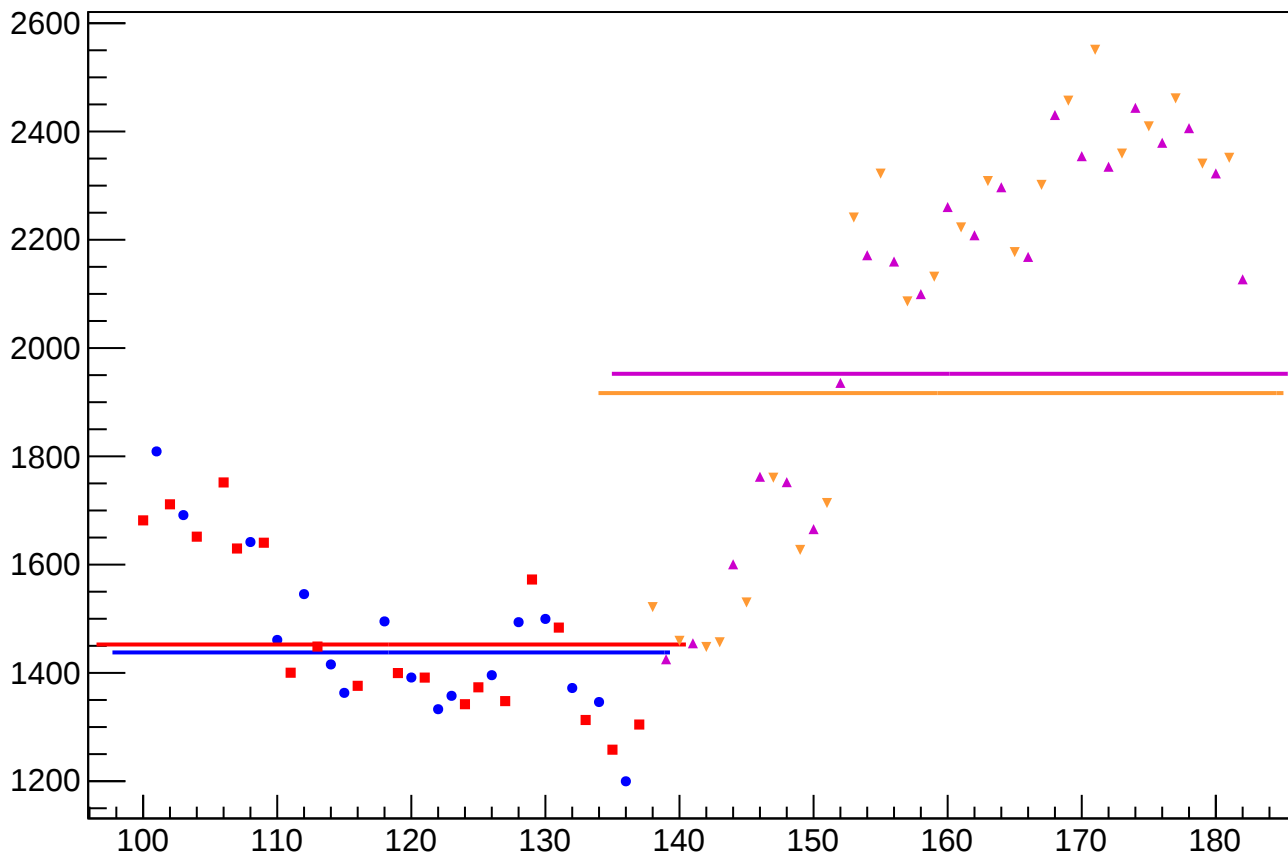
Right: 4.698 ± 0.393 χ^2/NDF : 1494.8/35

In: -1.114 ± 0.365 χ^2/NDF : 2266.7/38

Out: 7.054 ± 0.356 χ^2/NDF : 1980.9/41

All: 3.068 ± 0.255 χ^2/NDF : 4504.1/80

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.799 ± 0.398 $\chi^2/\text{NDF}: 173192.9/16$

Left Out: 1916.827 ± 0.332 $\chi^2/\text{NDF}: 1380052.1/22$

Right Out: 1452.461 ± 0.387 $\chi^2/\text{NDF}: 138487.1/18$

Left In: 1952.457 ± 0.339 $\chi^2/\text{NDF}: 1065316.9/21$

Left: 1934.249 ± 0.237 $\chi^2/\text{NDF}: 2451015.1/44$

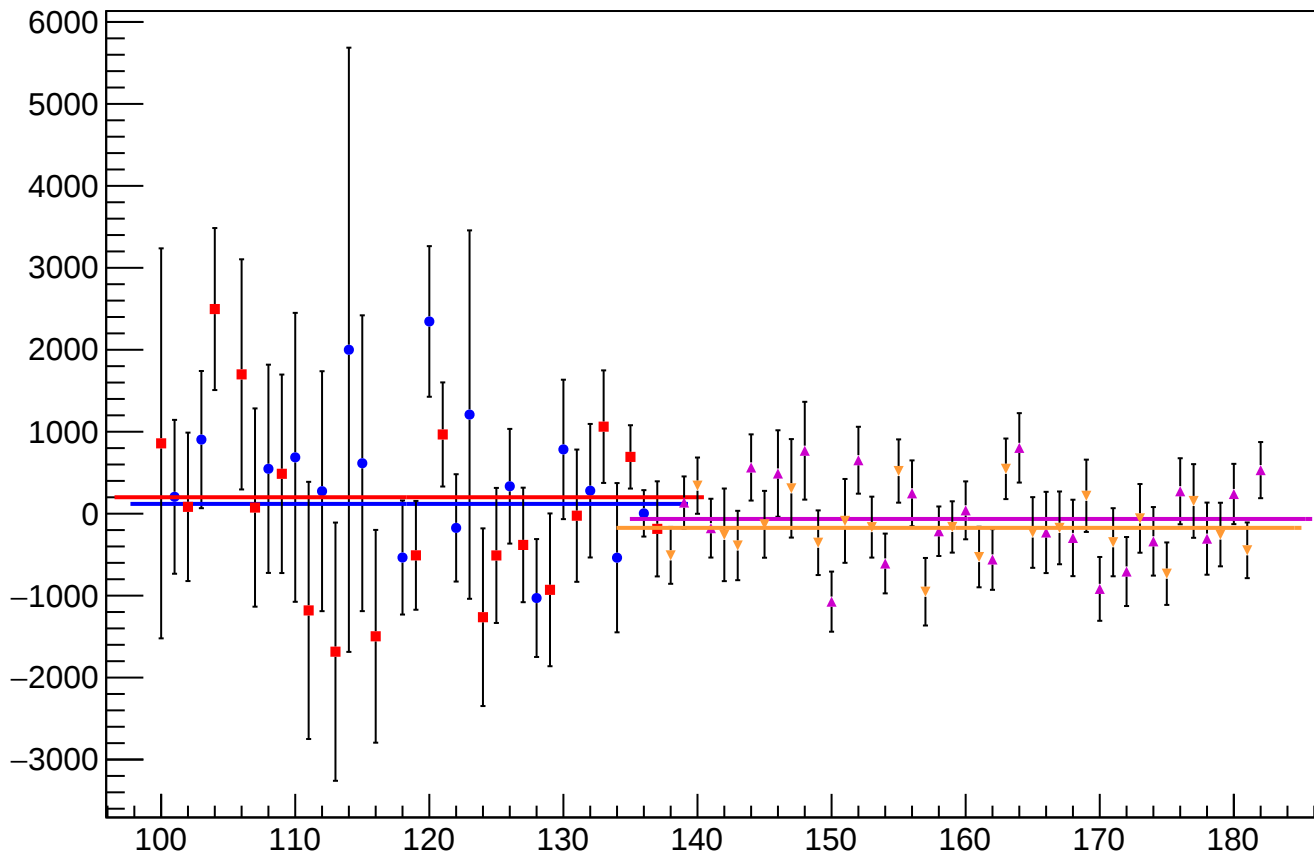
Right: 1445.324 ± 0.278 $\chi^2/\text{NDF}: 312377.0/35$

In: 1735.998 ± 0.258 $\chi^2/\text{NDF}: 2208024.7/38$

Out: 1720.512 ± 0.252 $\chi^2/\text{NDF}: 2347712.8/41$

All: 1728.070 ± 0.180 $\chi^2/\text{NDF}: 4557581.8/80$

asym_sam1_mean vs Slug, Sign Corrected



Right In: 119.363 $\pm$ 180.601 χ^2 /NDF: 12.6/16

Left Out: -173.135 $\pm$ 83.496 χ^2 /NDF:20.3/22

Right Out: 200.642 $\pm$ 184.789 χ^2 /NDF: 21.7/18

Left In: -64.356 $\pm$ 83.626 χ^2 /NDF:38.4/21

Left: -118.830 $\pm$ 59.087 χ^2 /NDF: 59.6/44

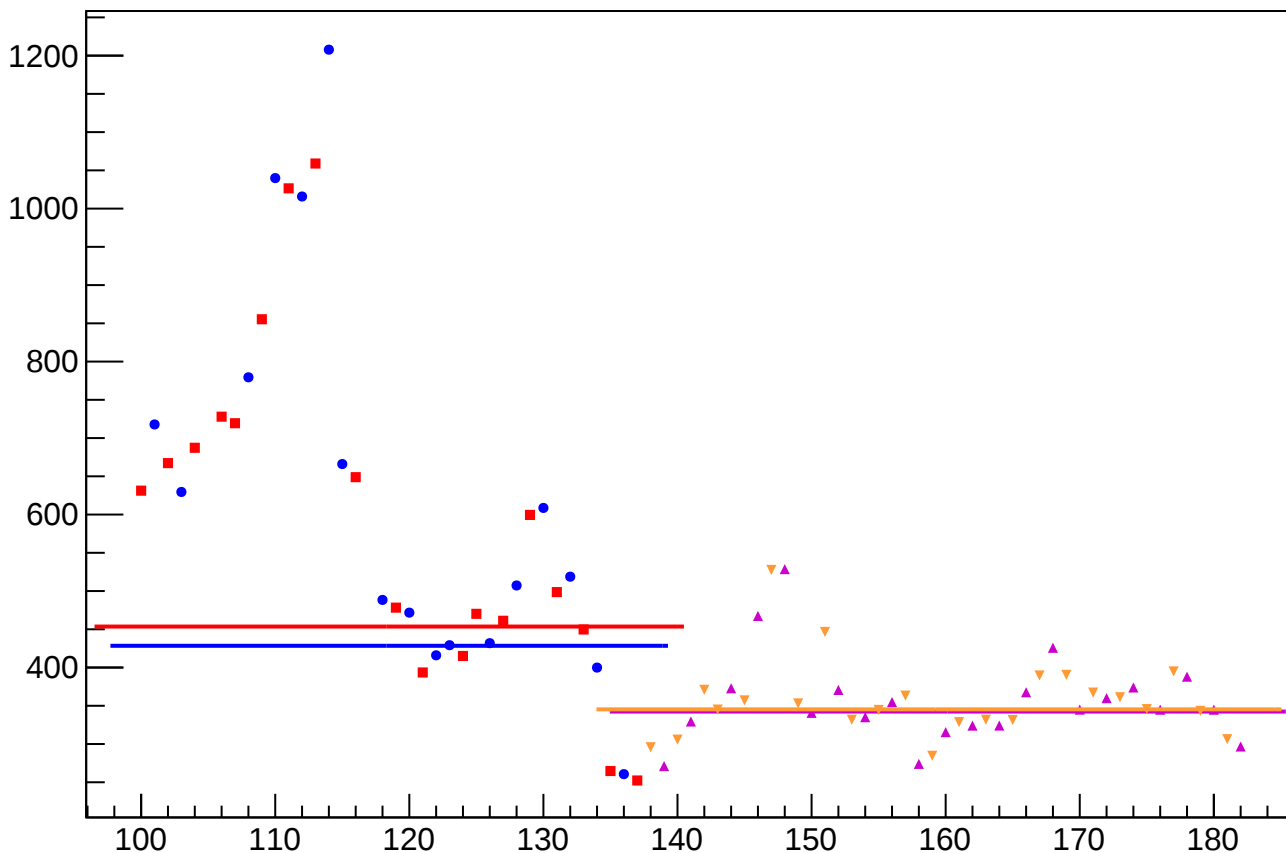
Right: 159.071 $\pm$ 129.160 χ^2 /NDF: 34.4/35

In: -31.920 $\pm$ 75.886 χ^2 /NDF:51.8/38

Out: -109.761 $\pm$ 76.089 χ^2 /NDF:45.4/41

All: -70.736 $\pm$ 53.731 χ^2 /NDF: 97.8/80

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.425+/-0.128 χ^2/NDF : 2006981.5/16

Left Out: 345.325+/-0.059 χ^2/NDF : 526682.1/22

Right Out: 453.578+/-0.131 χ^2/NDF : 2032377.4/18

Left In: 342.410+/-0.059 χ^2/NDF : 697504.4/21

Left: 343.870+/-0.042 χ^2/NDF : 1225403.5/44

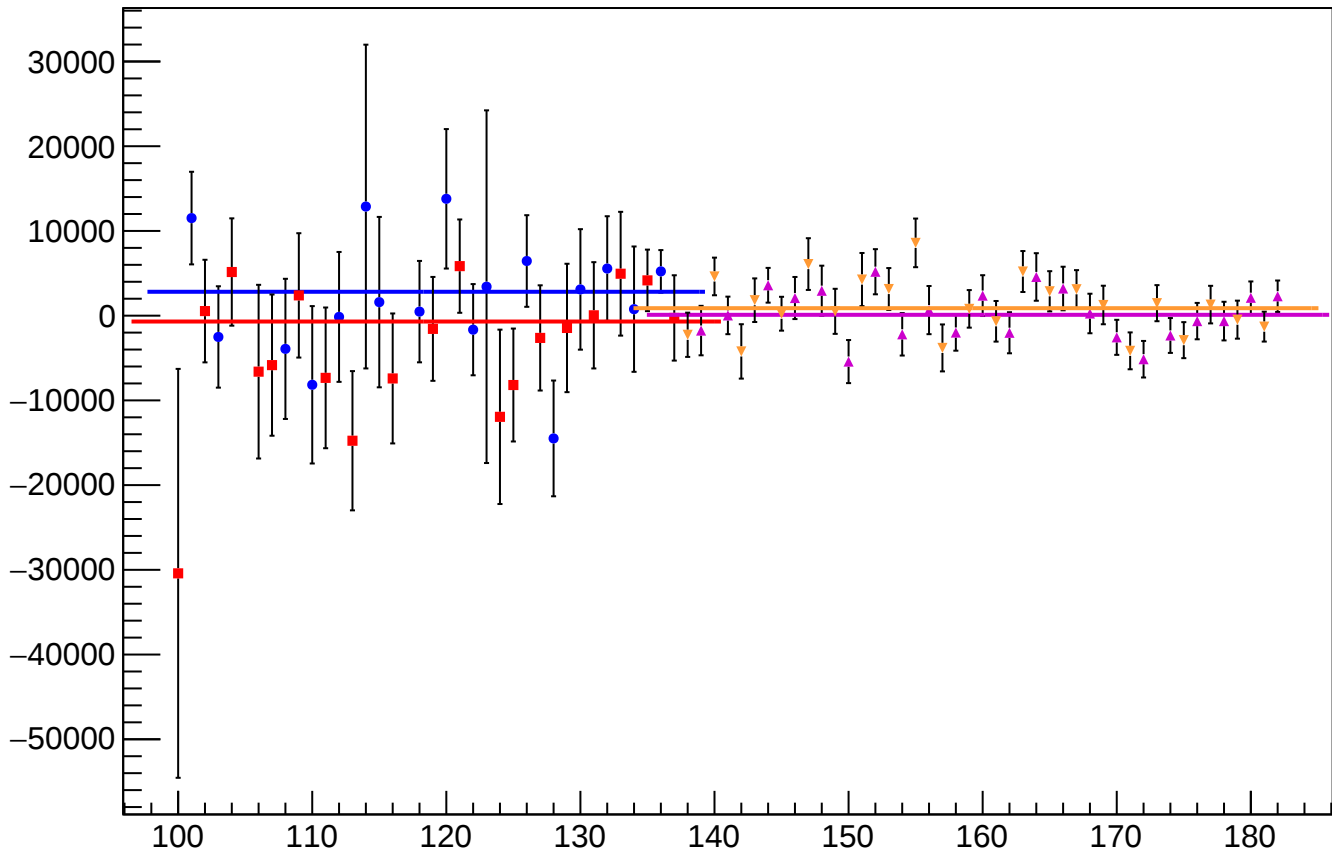
Right: 440.713+/-0.091 χ^2/NDF : 4058311.6/35

In: 357.596+/-0.054 χ^2/NDF : 3078057.1/38

Out: 363.679+/-0.054 χ^2/NDF : 3129059.0/41

All: 360.629+/-0.038 χ^2/NDF : 6213524.6/80

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2819.632 ± 1450.791 χ^2/NDF : 16.5/16

Left Out: 882.663 ± 493.555 χ^2/NDF : 37.9/22

Right Out: -691.793 ± 1512.621 χ^2/NDF : 14.0/18

Left In: 99.895 ± 494.475 χ^2/NDF : 32.4/21

Left: 492.008 ± 349.321 χ^2/NDF : 71.5/44

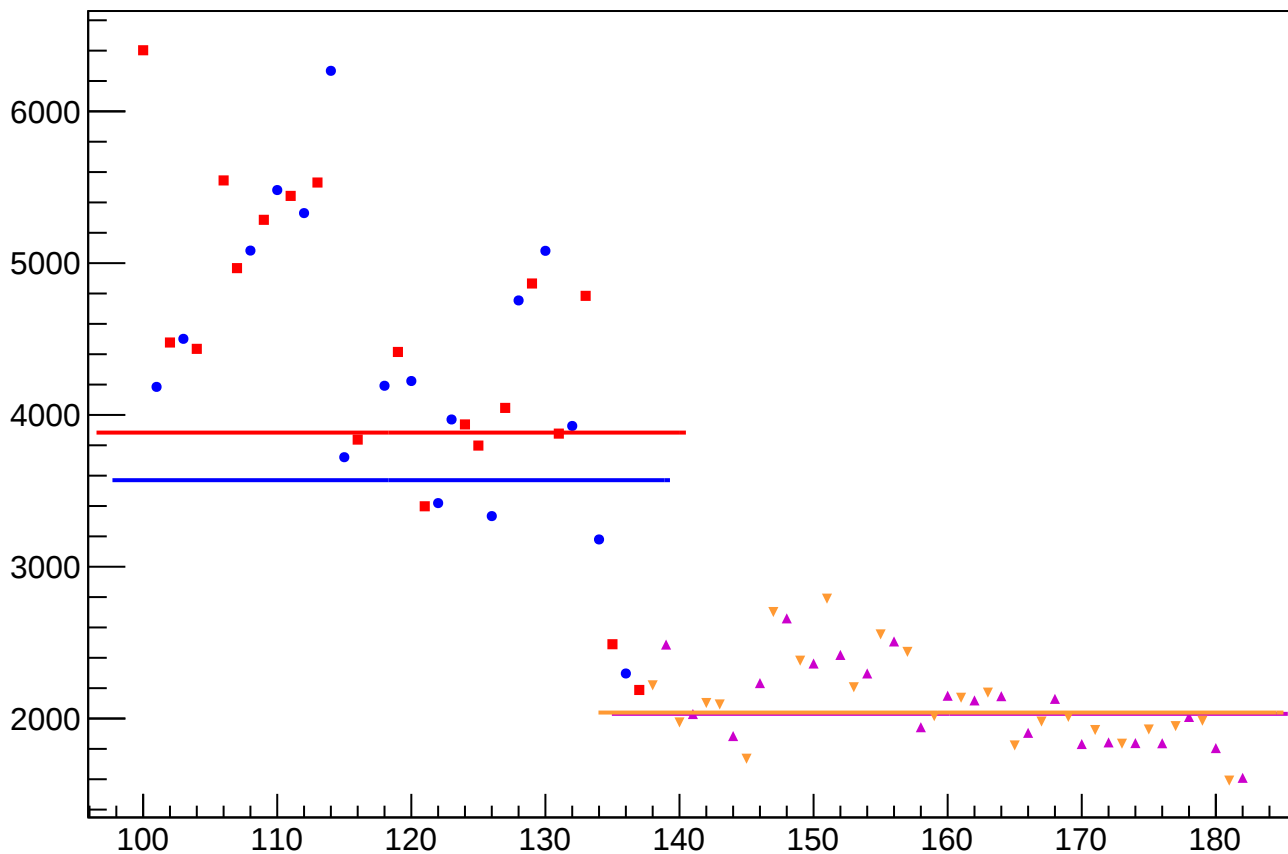
Right: 1137.151 ± 1047.040 χ^2/NDF : 33.4/35

In: 382.954 ± 468.037 χ^2/NDF : 52.0/38

Out: 731.167 ± 469.209 χ^2/NDF : 52.9/41

All: 556.625 ± 331.366 χ^2/NDF : 105.2/80

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3570.185 $\pm$ 1.026 χ^2/NDF : 1087907.4/16

Left Out: 2039.343 $\pm$ 0.349 χ^2/NDF : 606757.6/22

Right Out: 3883.722 $\pm$ 1.070 χ^2/NDF : 984493.3/18

Left In: 2030.803 $\pm$ 0.350 χ^2/NDF : 538875.3/21

Left: 2035.081 $\pm$ 0.247 χ^2/NDF : 1145931.8/44

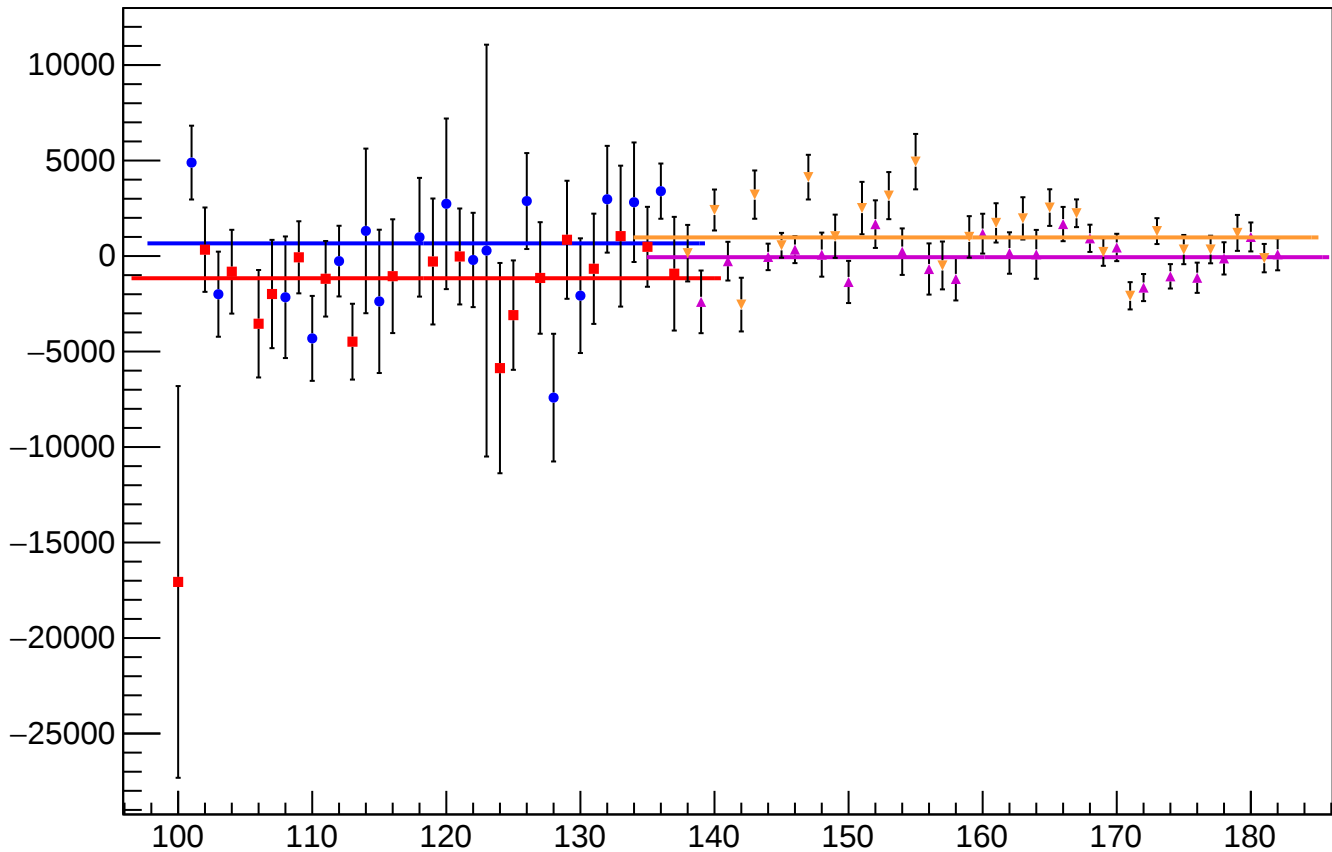
Right: 3720.415 $\pm$ 0.740 χ^2/NDF : 2117157.8/35

In: 2191.015 $\pm$ 0.331 χ^2/NDF : 3644148.2/38

Out: 2216.812 $\pm$ 0.332 χ^2/NDF : 4278649.3/41

All: 2203.881 $\pm$ 0.234 χ^2/NDF : 7925827.7/80

asym_sam3_mean vs Slug, Sign Corrected



Right In: 663.409 $\pm$ 622.512 χ^2 /NDF: 25.5/16

Left Out: 975.508 $\pm$ 193.042 χ^2 /NDF:62.8/22

Right Out: -1162.350 $\pm$ 604.350 χ^2 /NDF: 9.7/18

Left In: -60.129 $\pm$ 189.695 χ^2 /NDF:25.9/21

Left: 448.634 $\pm$ 135.303 χ^2 /NDF: 103.4/44

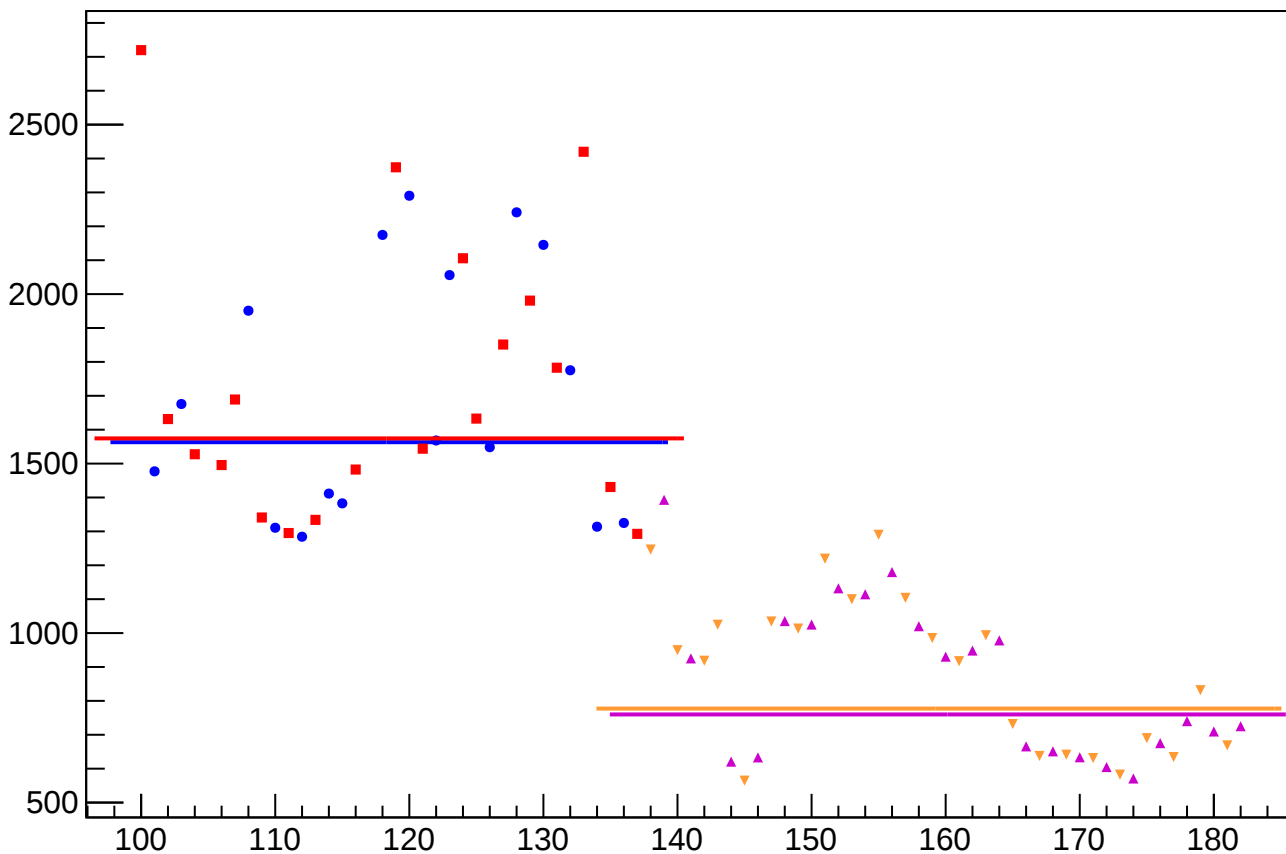
Right: -276.491 $\pm$ 433.619 χ^2 /NDF: 39.6/35

In: 1.349 $\pm$ 181.458 χ^2 /NDF:52.6/38

Out: 777.577 $\pm$ 183.889 χ^2 /NDF:83.9/41

All: 384.297 $\pm$ 129.161 χ^2 /NDF: 145.5/80

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1563.098 $\pm$ 0.440 χ^2 /NDF: 487653.4/16

Left Out: 777.269 $\pm$ 0.137 χ^2 /NDF: 2215415.8/22

Right Out: 1574.361 $\pm$ 0.427 χ^2 /NDF: 466428.6/18

Left In: 759.940 $\pm$ 0.134 χ^2 /NDF: 1986174.6/21

Left: 768.453 $\pm$ 0.096 χ^2 /NDF: 4209789.4/44

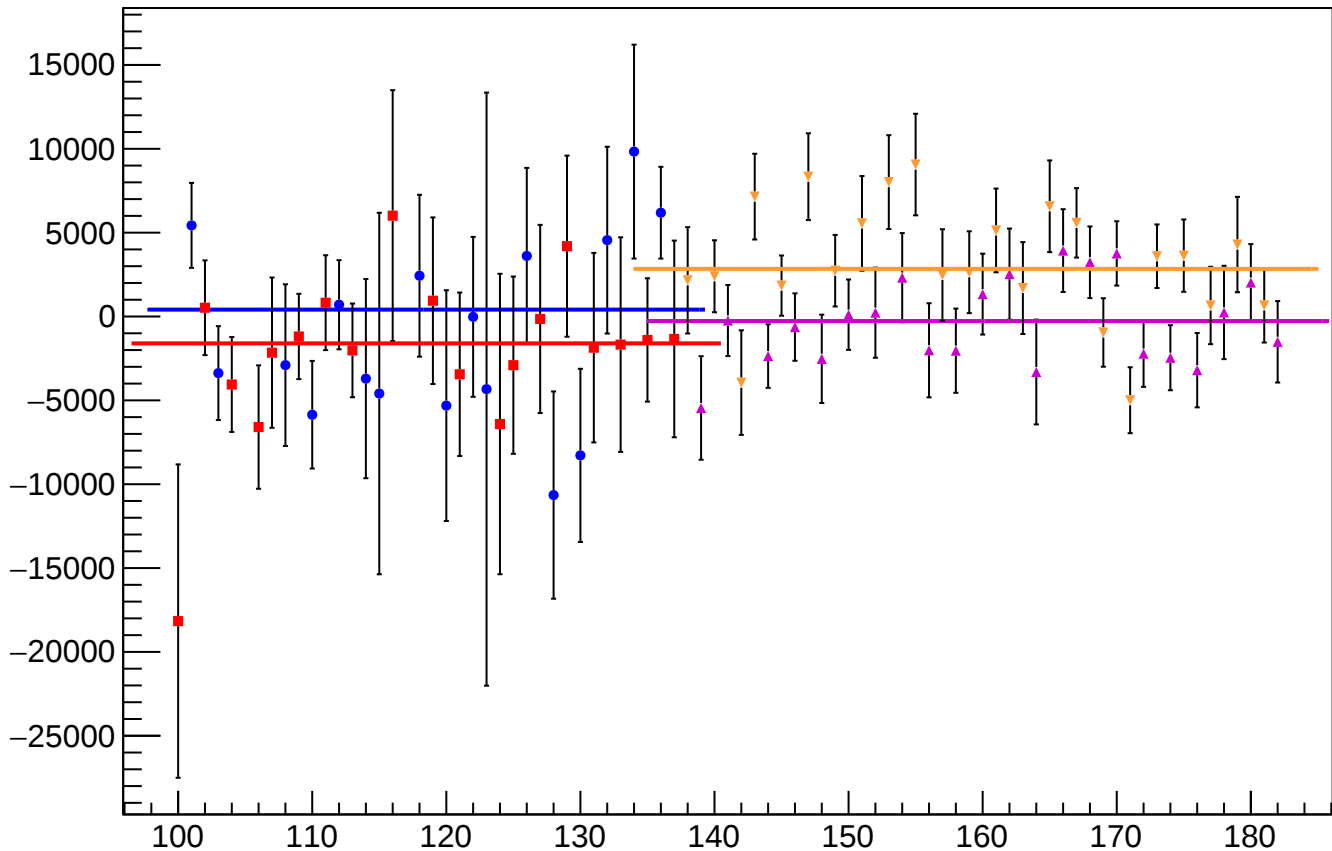
Right: 1568.896 $\pm$ 0.307 χ^2 /NDF: 954419.1/35

In: 828.183 $\pm$ 0.128 χ^2 /NDF: 5520129.8/38

Out: 851.067 $\pm$ 0.130 χ^2 /NDF: 5838852.0/41

All: 839.472 $\pm$ 0.091 χ^2 /NDF: 11374674.1/80

asym_sam4_mean vs Slug, Sign Corrected



Right In: 411.092 ± 998.047 χ^2/NDF : 25.3/16

Left Out: 2842.088 ± 494.723 χ^2/NDF : 47.5/22

Right Out: -1601.073 ± 925.777 χ^2/NDF : 10.1/18

Left In: -269.515 ± 495.766 χ^2/NDF : 24.4/21

Left: 1289.563 ± 350.190 χ^2/NDF : 91.6/44

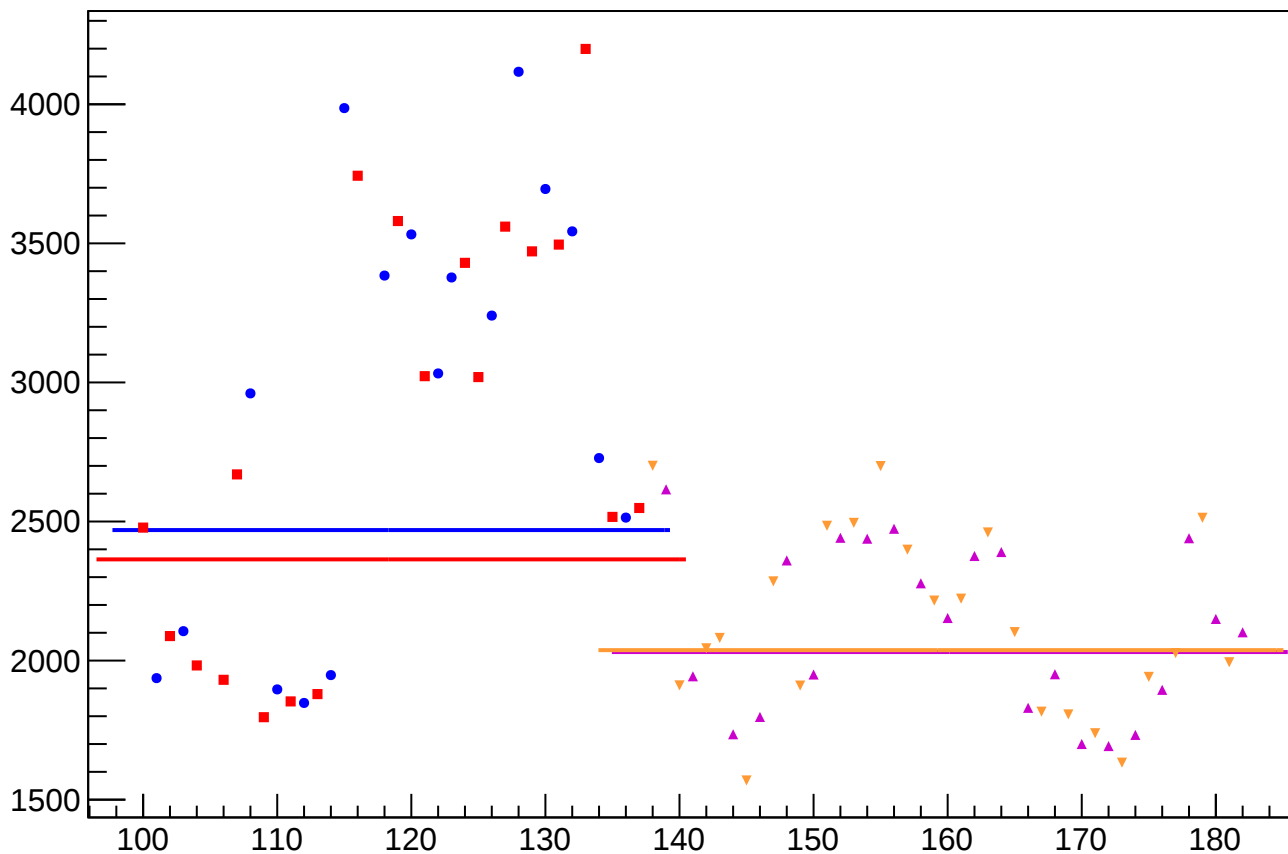
Right: -670.473 ± 678.736 χ^2/NDF : 37.6/35

In: -134.815 ± 444.005 χ^2/NDF : 50.1/38

Out: 1855.110 ± 436.329 χ^2/NDF : 75.5/41

All: 877.496 ± 311.209 χ^2/NDF : 135.8/80

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.233+/-0.706 χ^2/NDF : 900151.2/16

Left Out: 2037.527+/-0.350 χ^2/NDF : 808068.5/22

Right Out: 2363.845+/-0.655 χ^2/NDF : 1026234.8/18

Left In: 2030.723+/-0.351 χ^2/NDF : 650712.8/21

Left: 2034.132+/-0.248 χ^2/NDF : 1458970.1/44

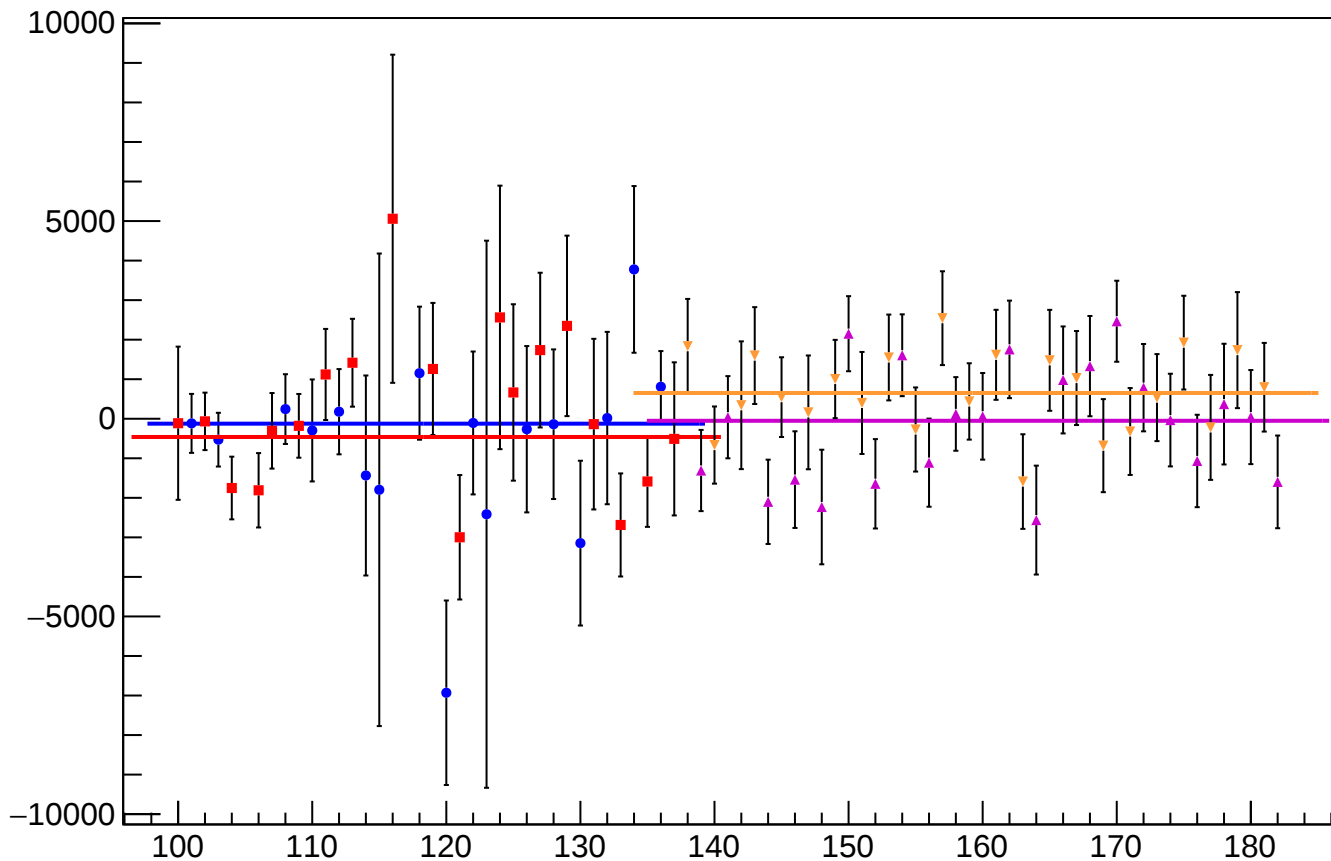
Right: 2412.586+/-0.480 χ^2/NDF : 1938372.6/35

In: 2117.509+/-0.314 χ^2/NDF : 1860541.0/38

Out: 2110.013+/-0.309 χ^2/NDF : 2027590.9/41

All: 2113.696+/-0.220 χ^2/NDF : 3888422.0/80

asym_sam5_mean vs Slug, Sign Corrected



Right In: -124.338 ± 313.734 $\chi^2/\text{NDF}: 16.8/16$

Left Out: 652.071 ± 241.761 $\chi^2/\text{NDF}: 16.7/22$

Right Out: -461.203 ± 283.135 $\chi^2/\text{NDF}: 23.1/18$

Left In: -51.497 ± 242.788 $\chi^2/\text{NDF}: 36.3/21$

Left: 301.779 ± 171.313 $\chi^2/\text{NDF}: 57.2/44$

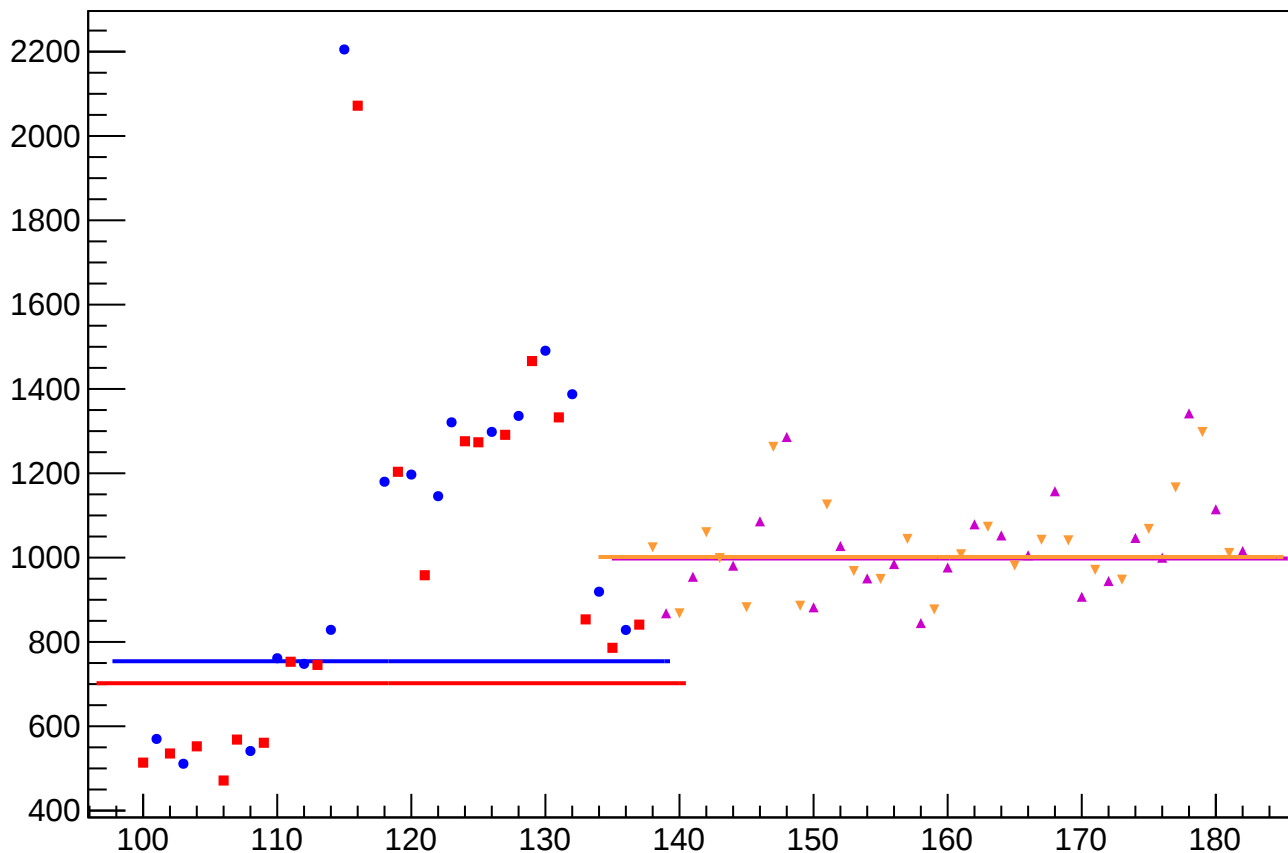
Right: -309.995 ± 210.195 $\chi^2/\text{NDF}: 40.5/35$

In: -78.780 ± 192.009 $\chi^2/\text{NDF}: 53.1/38$

Out: 182.645 ± 183.855 $\chi^2/\text{NDF}: 48.8/41$

All: 57.601 ± 132.794 $\chi^2/\text{NDF}: 102.8/80$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.219+/-0.222 χ^2/NDF : 1689131.5/16

Left Out: 1001.515+/-0.171 χ^2/NDF : 360887.8/22

Right Out: 702.074+/-0.200 χ^2/NDF : 1689098.6/18

Left In: 997.864+/-0.172 χ^2/NDF : 404583.6/21

Left: 999.697+/-0.121 χ^2/NDF : 765698.5/44

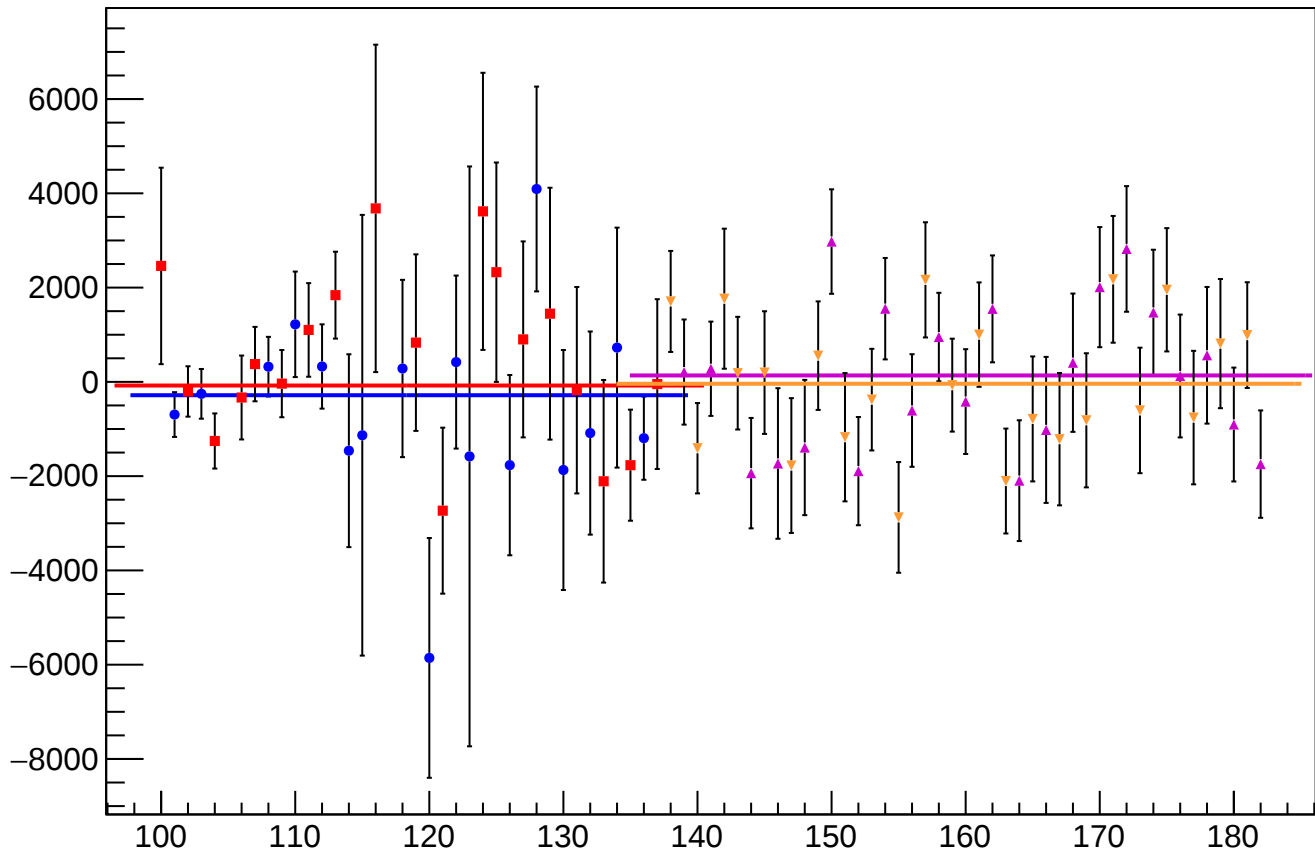
Right: 725.480+/-0.149 χ^2/NDF : 3408679.8/35

In: 906.605+/-0.136 χ^2/NDF : 2848124.7/38

Out: 875.252+/-0.130 χ^2/NDF : 3343719.6/41

All: 890.249+/-0.094 χ^2/NDF : 6219663.1/80

asym_sam6_mean vs Slug, Sign Corrected



Right In: -283.172 ± 250.683 $\chi^2/\text{NDF}: 15.8/16$

Left Out: -40.133 ± 254.054 $\chi^2/\text{NDF}: 30.2/22$

Right Out: -77.591 ± 246.211 $\chi^2/\text{NDF}: 21.6/18$

Left In: 136.185 ± 257.983 $\chi^2/\text{NDF}: 34.4/21$

Left: 46.673 ± 181.016 $\chi^2/\text{NDF}: 64.9/44$

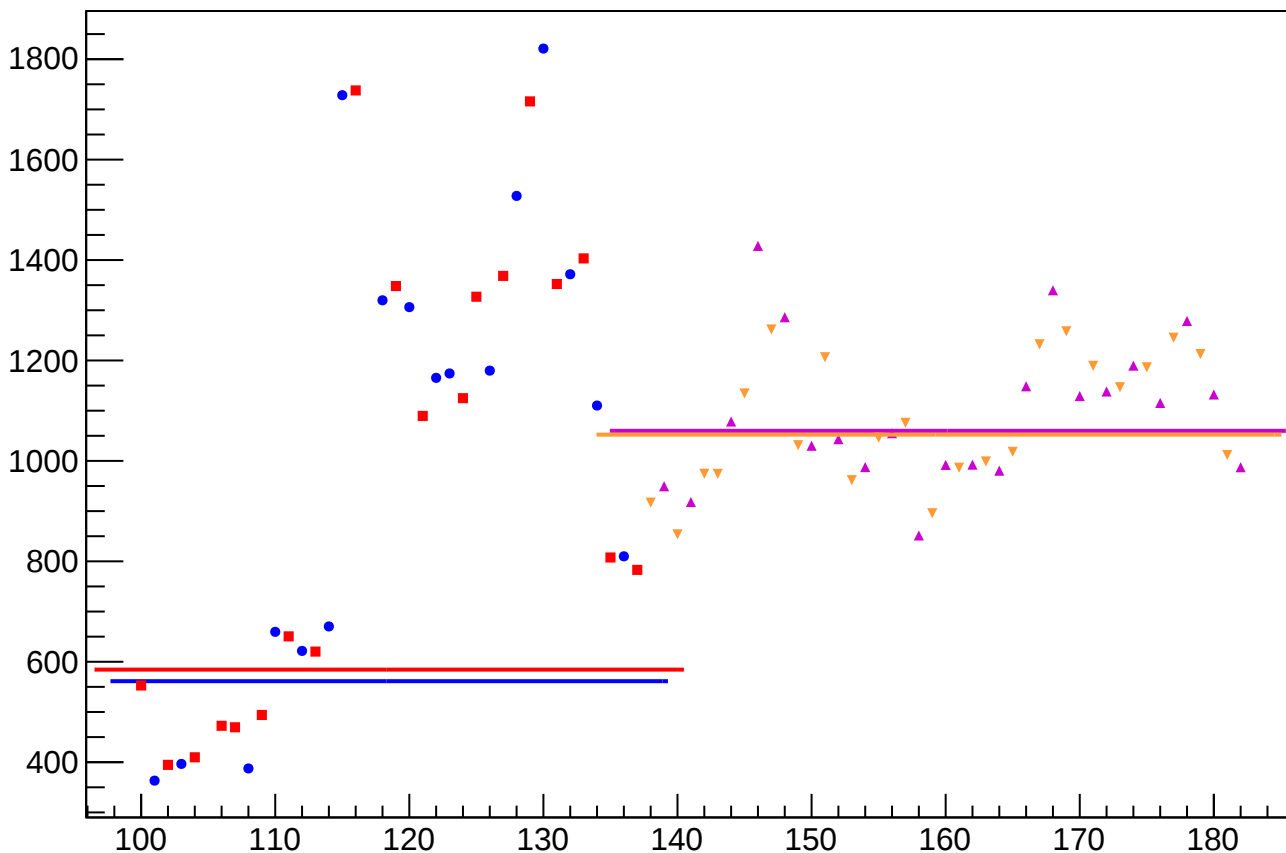
Right: -178.531 ± 175.657 $\chi^2/\text{NDF}: 37.7/35$

In: -79.511 ± 179.785 $\chi^2/\text{NDF}: 51.6/38$

Out: -59.450 ± 176.805 $\chi^2/\text{NDF}: 51.8/41$

All: -69.312 ± 126.060 $\chi^2/\text{NDF}: 103.4/80$

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.319 $\pm$ 0.177 χ^2 /NDF: 3211255.9/16

Left Out: 1052.317 $\pm$ 0.180 χ^2 /NDF:481177.0/22

Right Out: 584.345 $\pm$ 0.174 χ^2 /NDF: 2813611.9/18

Left In: 1059.903 $\pm$ 0.182 χ^2 /NDF:523635.6/21

Left: 1056.052 $\pm$ 0.128 χ^2 /NDF: 1005690.7/44

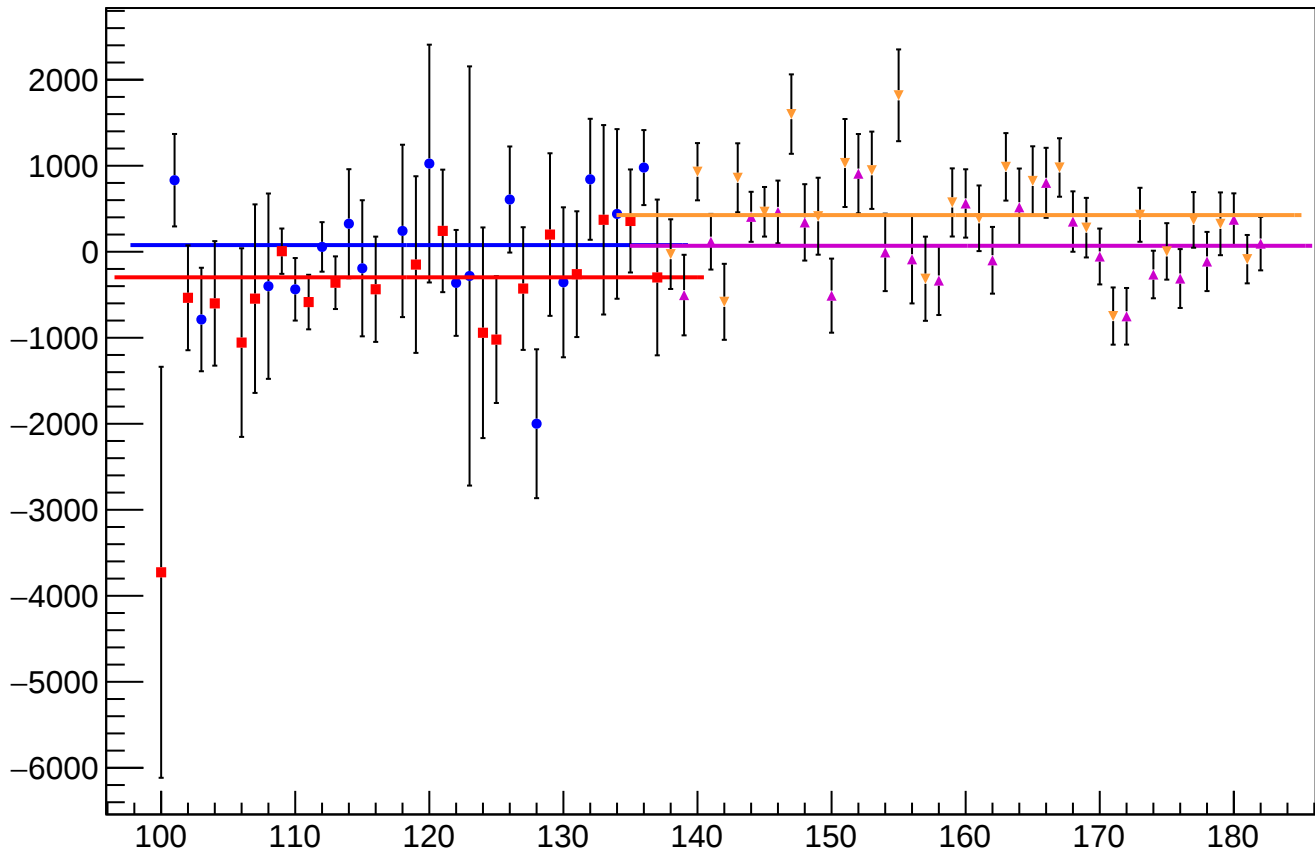
Right: 573.040 $\pm$ 0.124 χ^2 /NDF: 6033456.5/35

In: 803.457 $\pm$ 0.127 χ^2 /NDF:7577110.9/38

Out: 810.996 $\pm$ 0.125 χ^2 /NDF:6794177.1/41

All: 807.289 $\pm$ 0.089 χ^2 /NDF: 14373075.5/80

asym_sam7_mean vs Slug, Sign Corrected



Right In: 77.417+/-143.270 χ^2/NDF : 19.9/16

Left Out: 426.147+/-77.686 χ^2/NDF : 51.8/22

Right Out: -297.209+/-129.814 χ^2/NDF : 8.9/18

Left In: 69.301+/-77.749 χ^2/NDF : 27.6/21

Left: 247.868+/-54.954 χ^2/NDF : 89.9/44

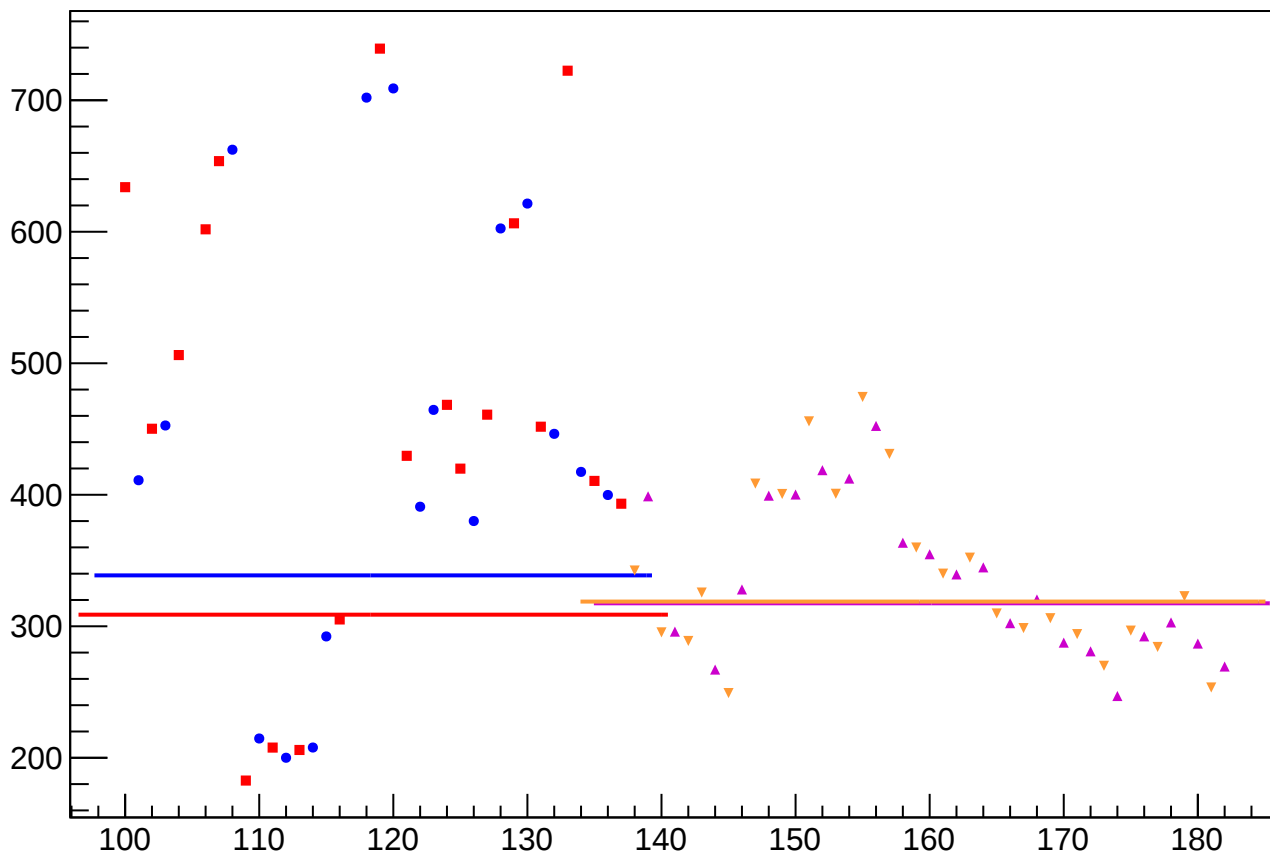
Right: -128.310+/-96.198 χ^2/NDF : 32.5/35

In: 71.147+/-68.335 χ^2/NDF : 47.4/38

Out: 235.402+/-66.661 χ^2/NDF : 83.5/41

All: 155.311+/-47.717 χ^2/NDF : 133.9/80

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.706 ± 0.101 $\chi^2/\text{NDF}: 2007568.0/16$

Left Out: 318.791 ± 0.055 $\chi^2/\text{NDF}: 1022909.2/22$

Right Out: 308.833 ± 0.092 $\chi^2/\text{NDF}: 2732710.6/18$

Left In: 317.470 ± 0.055 $\chi^2/\text{NDF}: 910508.5/21$

Left: 318.131 ± 0.039 $\chi^2/\text{NDF}: 1933706.7/44$

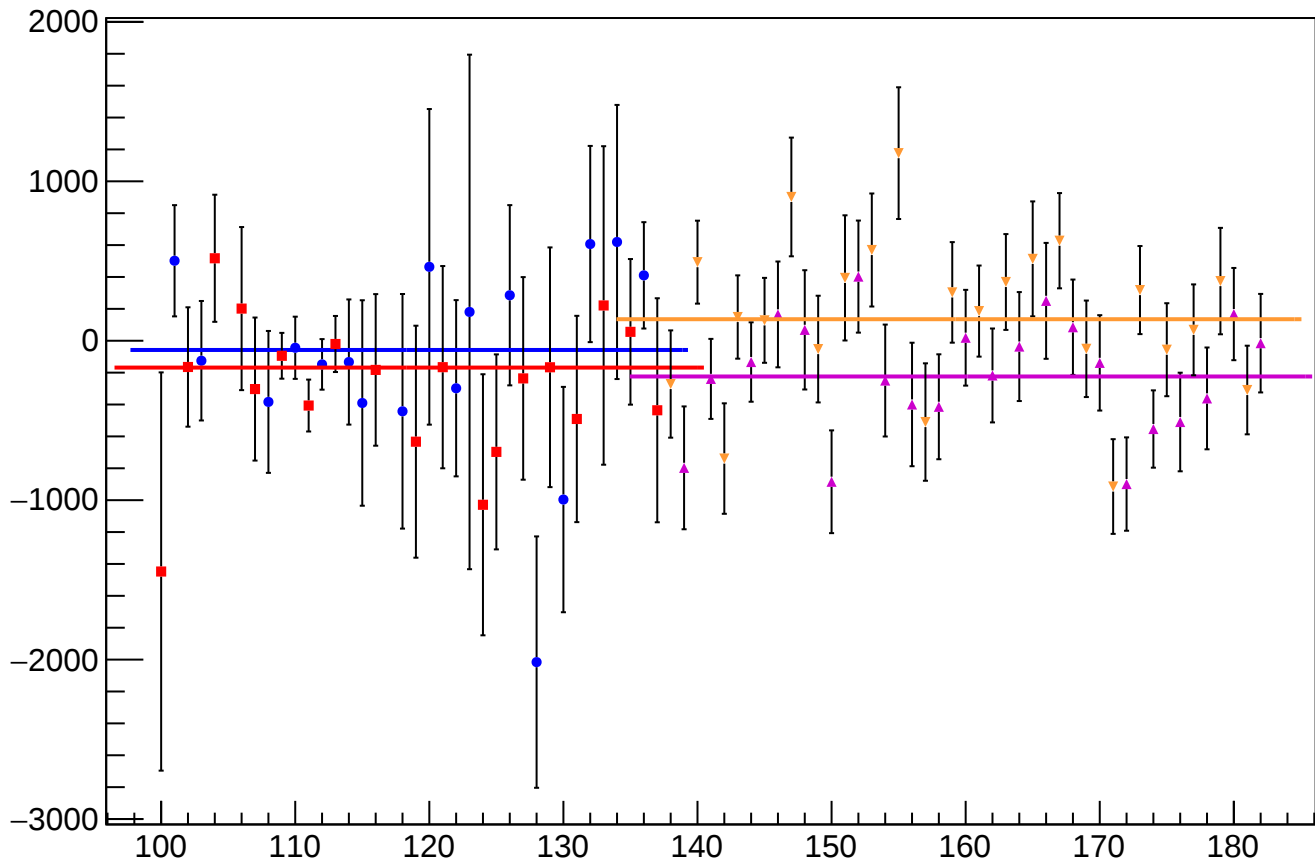
Right: 322.301 ± 0.068 $\chi^2/\text{NDF}: 4788026.7/35$

In: 322.301 ± 0.048 $\chi^2/\text{NDF}: 2952021.5/38$

Out: 316.165 ± 0.047 $\chi^2/\text{NDF}: 3764284.4/41$

All: 319.157 ± 0.034 $\chi^2/\text{NDF}: 6724567.5/80$

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.851 $\pm$ 90.694 χ^2 /NDF: 16.6/16

Left Out: 135.051 $\pm$ 64.803 χ^2 /NDF:47.2/22

Right Out: -168.323 $\pm$ 76.968 χ^2 /NDF: 10.8/18

Left In: -224.159 $\pm$ 66.059 χ^2 /NDF:26.5/21

Left: -41.106 $\pm$ 46.260 χ^2 /NDF: 88.8/44

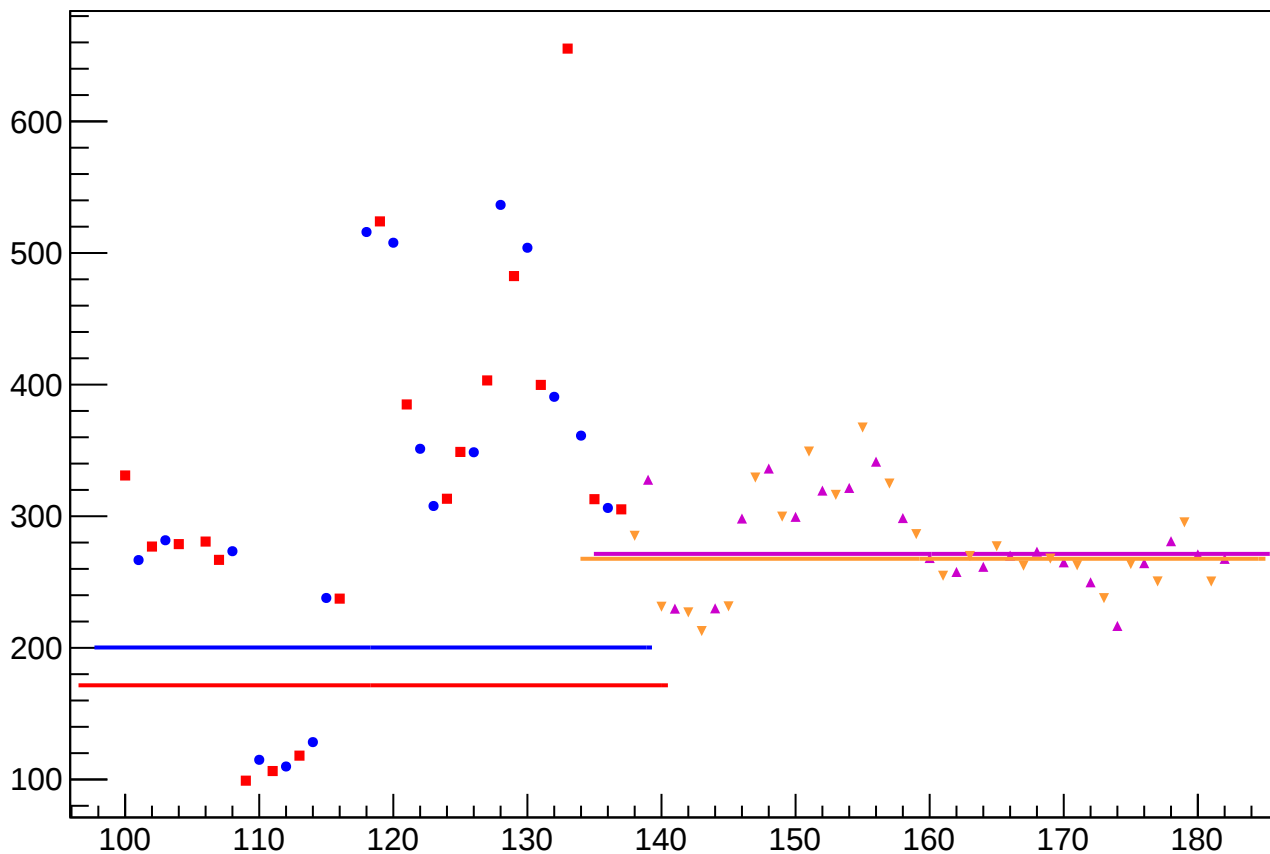
Right: -122.071 $\pm$ 58.684 χ^2 /NDF: 28.2/35

In: -166.512 $\pm$ 53.396 χ^2 /NDF:45.3/38

Out: 9.206 $\pm$ 49.572 χ^2 /NDF:67.1/41

All: -72.136 $\pm$ 36.330 χ^2 /NDF: 118.3/80

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.283+/-0.064 χ^2/NDF : 3381863.8/16

Left Out: 267.679+/-0.046 χ^2/NDF : 625456.2/22

Right Out: 171.547+/-0.054 χ^2/NDF : 4083247.6/18

Left In: 271.403+/-0.047 χ^2/NDF : 521873.6/21

Left: 269.505+/-0.033 χ^2/NDF : 1150568.8/44

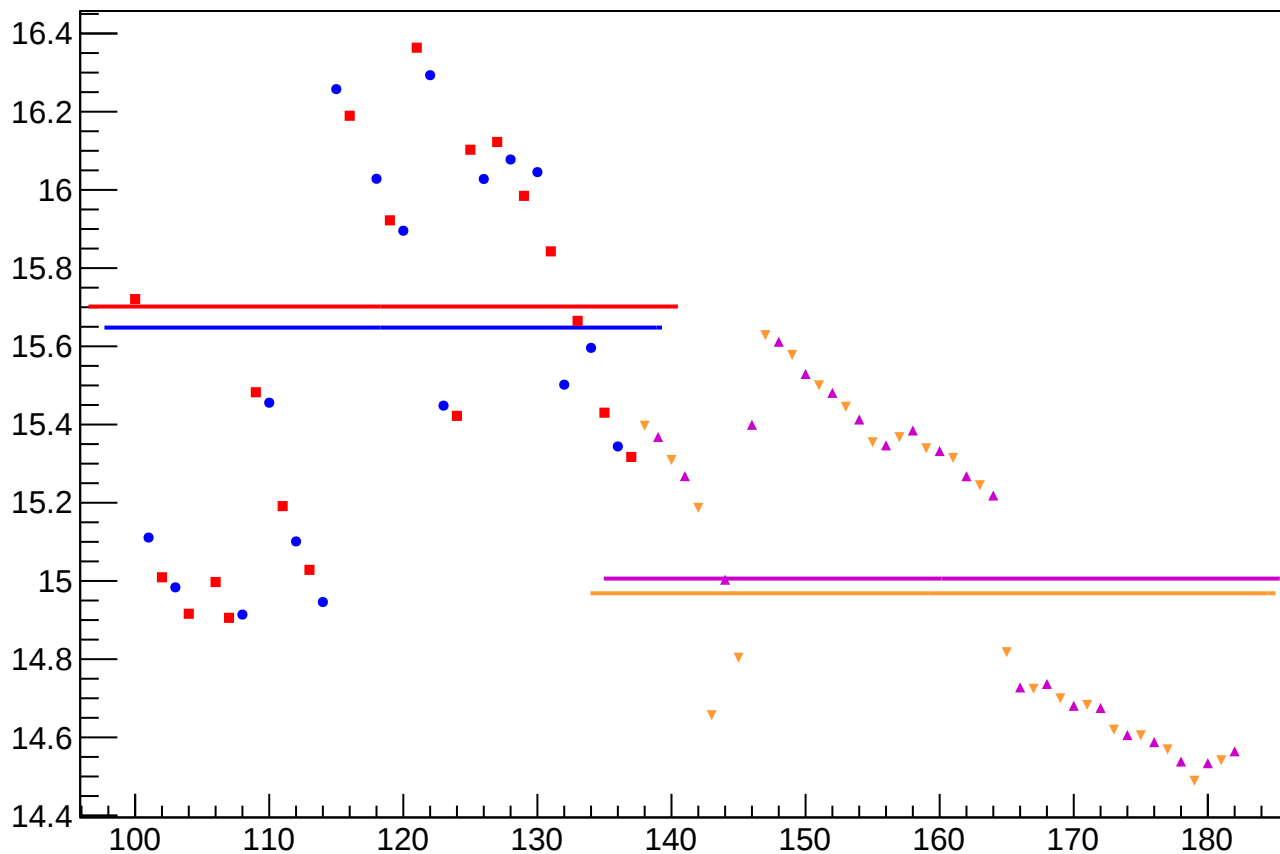
Right: 183.578+/-0.041 χ^2/NDF : 7581834.4/35

In: 246.751+/-0.038 χ^2/NDF : 4707273.1/38

Out: 227.801+/-0.035 χ^2/NDF : 6534441.6/41

All: 236.573+/-0.026 χ^2/NDF : 11376998.3/80

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.648 $\pm$ 0.000 χ^2 /NDF: 5445005645.2/16

Left Out: 14.969 $\pm$ 0.000 χ^2 /NDF: 22182742316.1/22

Right Out: 15.702 $\pm$ 0.000 χ^2 /NDF: 5133327033.6/18

Left In: 15.006 $\pm$ 0.000 χ^2 /NDF: 20932336950.3/21

Left: 14.987 $\pm$ 0.000 χ^2 /NDF: 43222697494.1/44

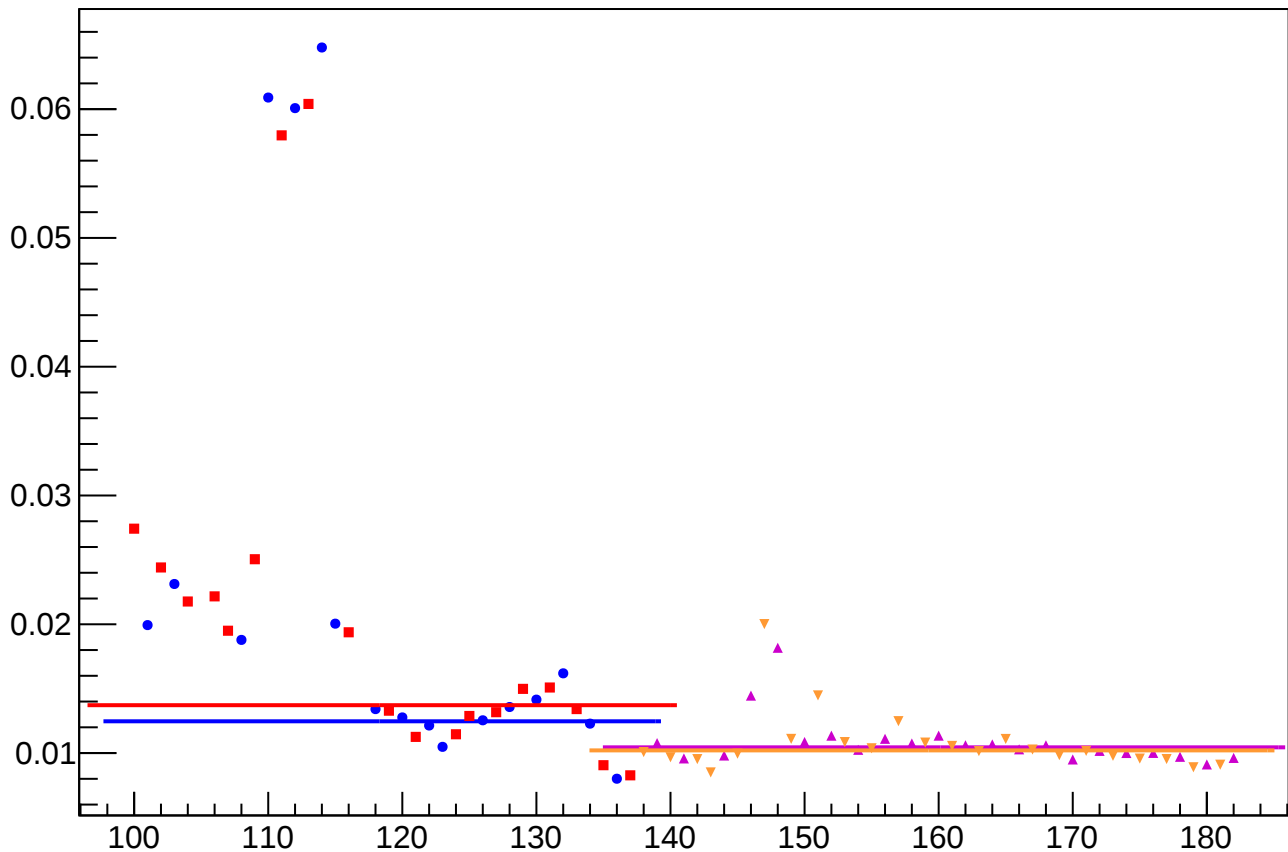
Right: 15.673 $\pm$ 0.000 χ^2 /NDF: 10623032652.9/35

In: 15.123 $\pm$ 0.000 χ^2 /NDF: 37523047788.5/38

Out: 15.083 $\pm$ 0.000 χ^2 /NDF: 40409560122.0/41

All: 15.103 $\pm$ 0.000 χ^2 /NDF: 78083416639.9

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 2144984.5/16

Left Out: 0.010+/-0.000 χ^2/NDF :699489.1/22

Right Out: 0.014+/-0.000 χ^2/NDF : 2077881.6/18

Left In: 0.010+/-0.000 χ^2/NDF :517459.2/21

Left: 0.010+/-0.000 χ^2/NDF : 1225478.6/44

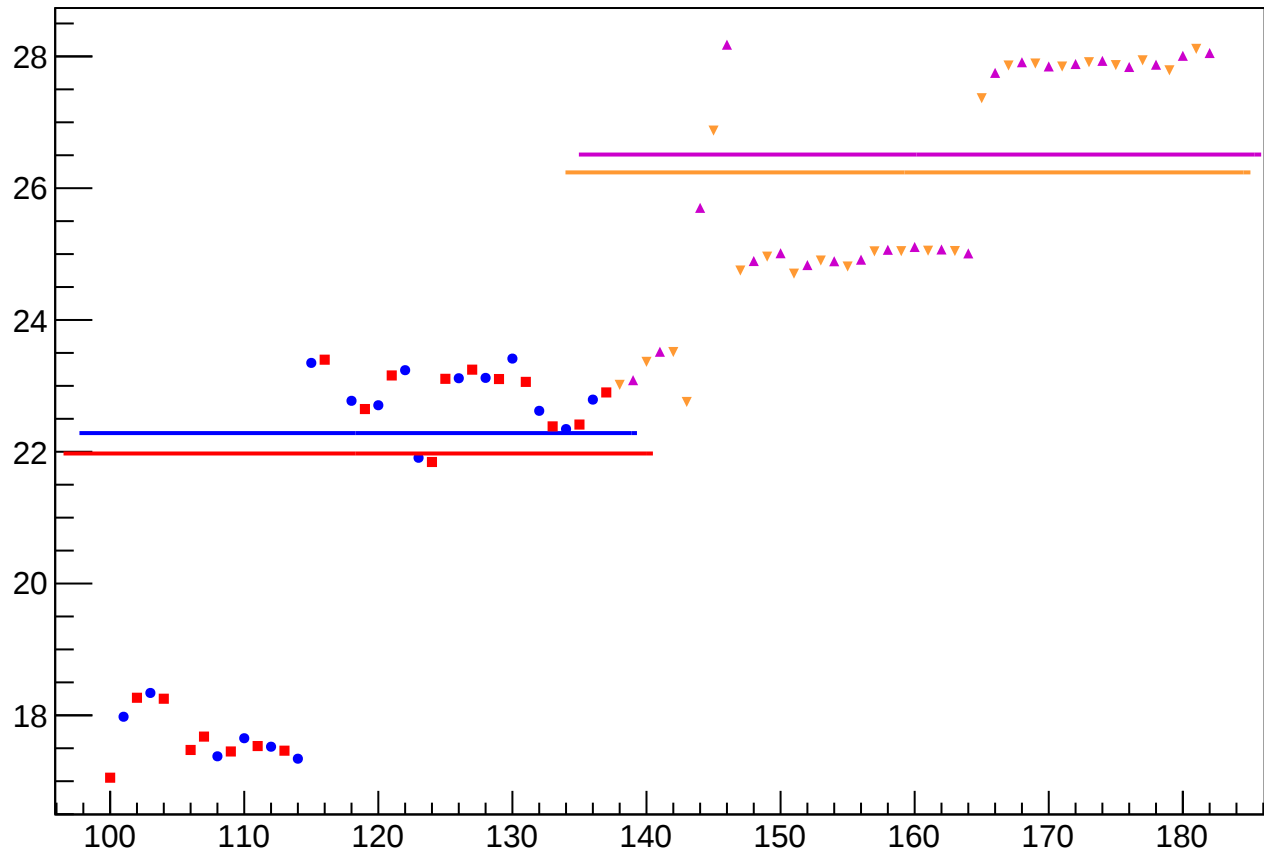
Right: 0.013+/-0.000 χ^2/NDF : 4271082.5/35

In: 0.011+/-0.000 χ^2/NDF :2883691.5/38

Out: 0.011+/-0.000 χ^2/NDF :3377229.5/41

All: 0.011+/-0.000 χ^2/NDF : 6261569.3/80

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.283+/-0.000 χ^2/NDF : 929007366.8/16

Left Out: 26.240+/-0.000 χ^2/NDF : 4266671647.1/22

Right Out: 21.974+/-0.000 χ^2/NDF : 1049661295.2/18

Left In: 26.511+/-0.000 χ^2/NDF : 3256448826.3/21

Left: 26.373+/-0.000 χ^2/NDF : 7570492158.9/44

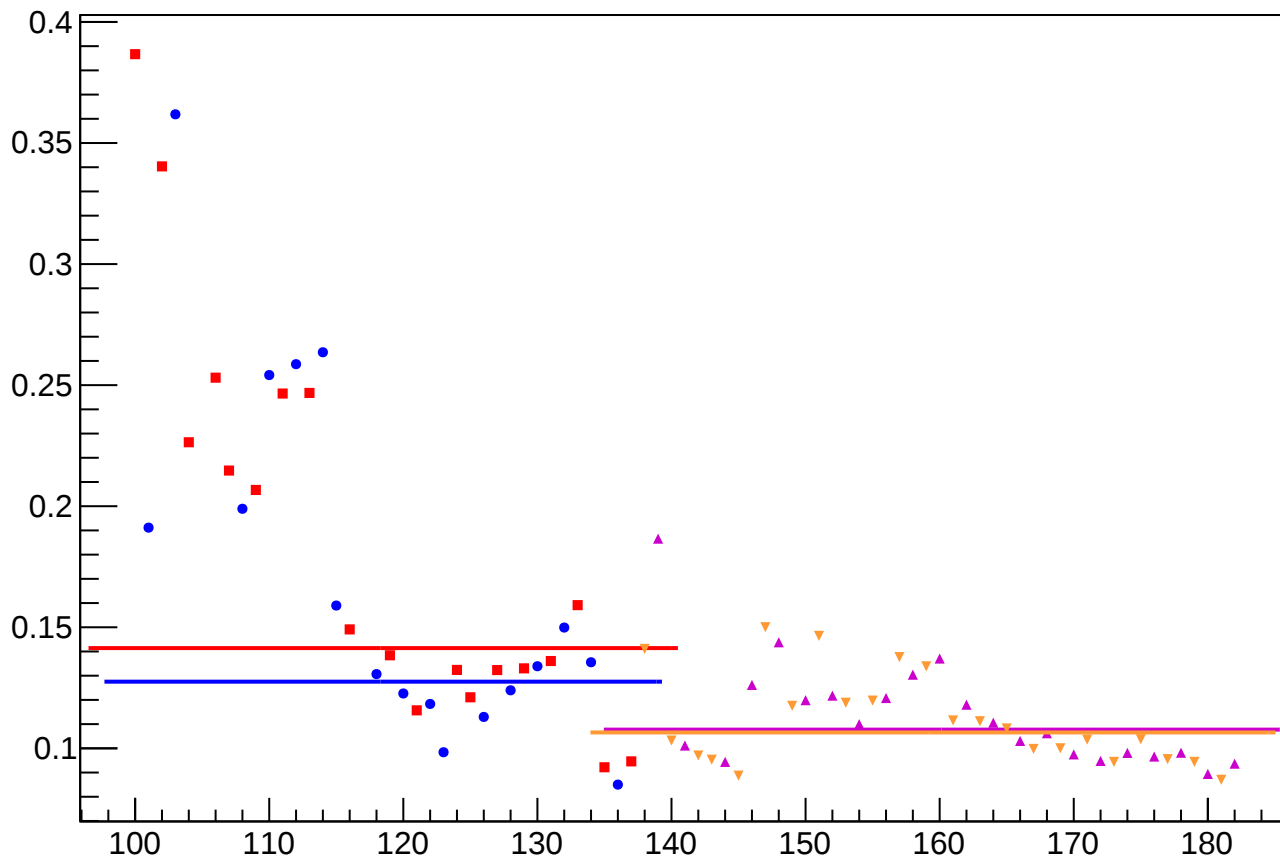
Right: 22.138+/-0.000 χ^2/NDF : 1992639915.1/35

In: 25.679+/-0.000 χ^2/NDF : 8641597744.9/38

Out: 25.502+/-0.000 χ^2/NDF : 9449138163.6/41

All: 25.591+/-0.000 χ^2/NDF : 18115510435.4

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1490198.9/16

Left Out: 0.107+/-0.000 χ^2/NDF : 706747.5/22

Right Out: 0.141+/-0.000 χ^2/NDF : 1447700.3/18

Left In: 0.108+/-0.000 χ^2/NDF : 762913.5/21

Left: 0.107+/-0.000 χ^2/NDF : 1471409.0/44

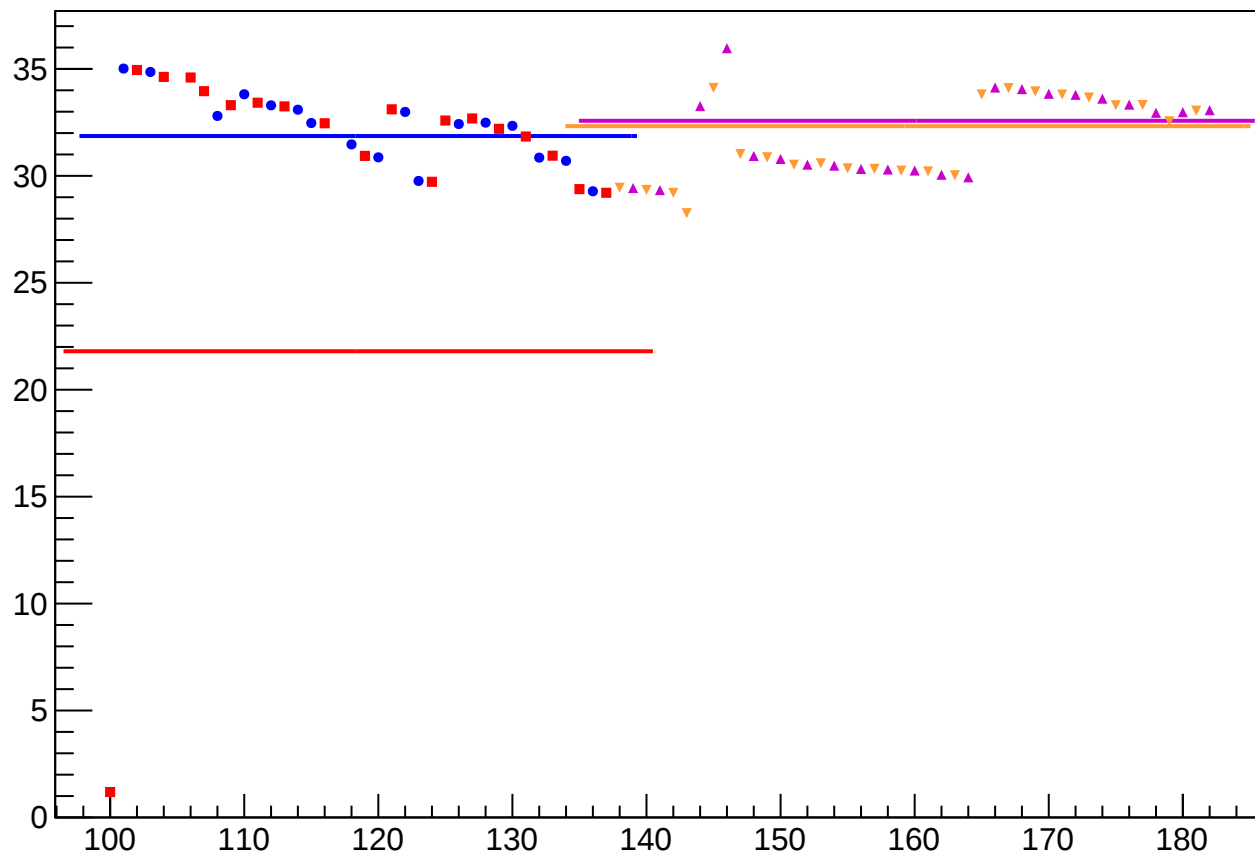
Right: 0.134+/-0.000 χ^2/NDF : 2993911.6/35

In: 0.112+/-0.000 χ^2/NDF : 2448756.7/38

Out: 0.113+/-0.000 χ^2/NDF : 2705582.5/41

All: 0.112+/-0.000 χ^2/NDF : 5155803.2/80

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.862 $\pm$ 0.000

χ^2/NDF : 1902439059.8/16

Left: 32.449 $\pm$ 0.000

χ^2/NDF : 24146445747.6/44

Left Out: 32.323 $\pm$ 0.000

χ^2/NDF : 12226375418.5/22

Right: 25.861 $\pm$ 0.000

χ^2/NDF : 274215683438.6/35

Right Out: 21.798 $\pm$ 0.000

χ^2/NDF : 228949728350.0/18

In: 32.463 $\pm$ 0.000

χ^2/NDF : 14007834050.8/38

Out: 30.047 $\pm$ 0.000

χ^2/NDF : 333242072992.6/41

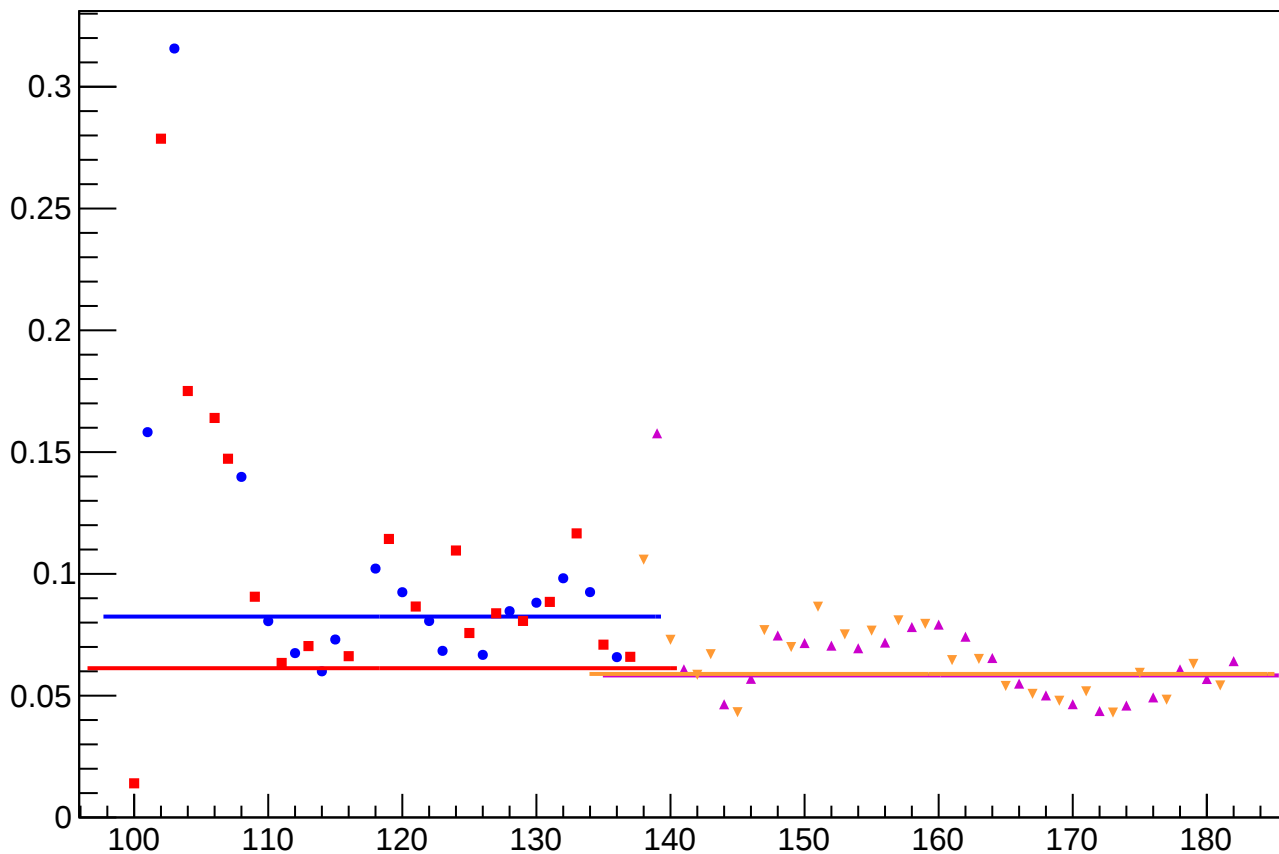
Left In: 32.575 $\pm$ 0.000

χ^2/NDF : 11797635217.8/21

All: 31.213 $\pm$ 0.000

χ^2/NDF : 361057269702.0

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082 $\pm$ 0.000 χ^2 /NDF: 1182597.0/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1368352.7/22

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3604725.9/18

Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525460.2/21

Left: 0.059 $\pm$ 0.000 χ^2 /NDF: 2895280.5/44

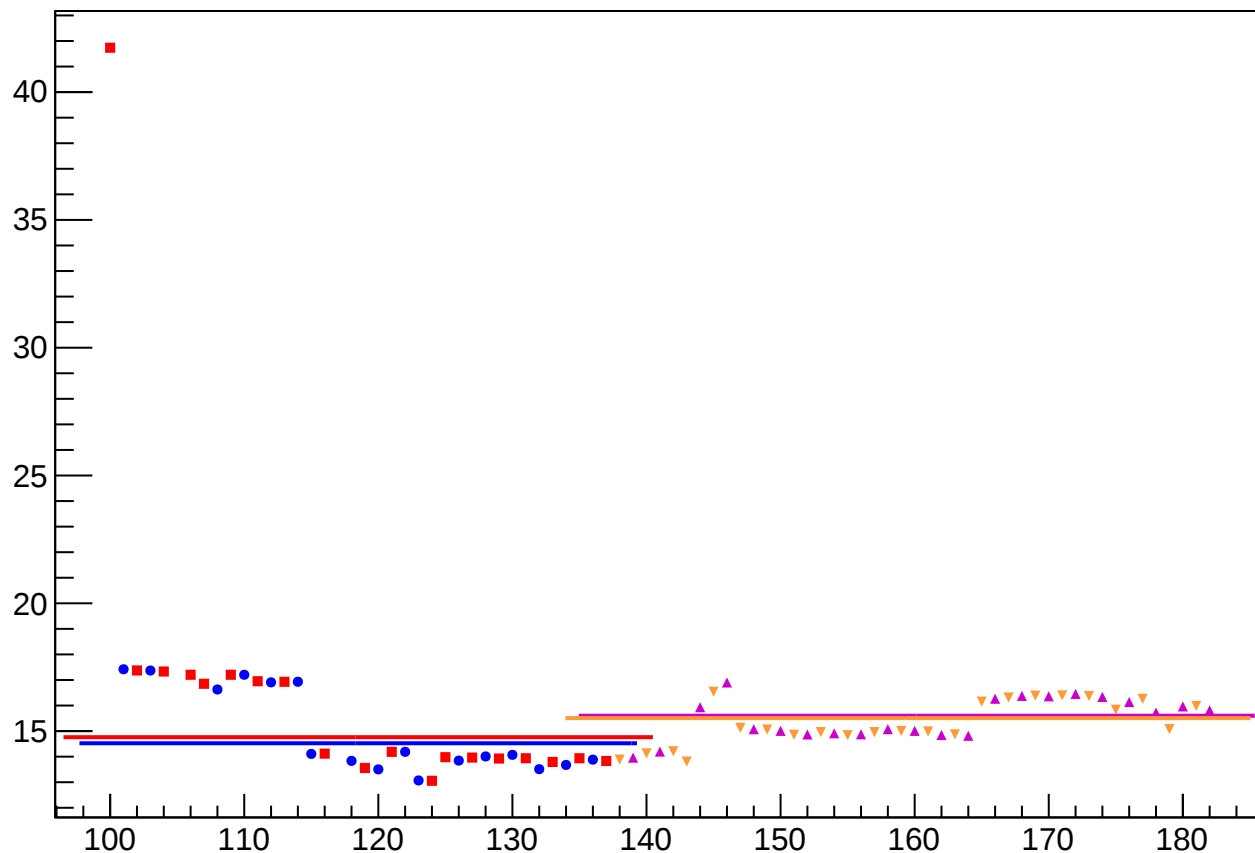
Right: 0.070 $\pm$ 0.000 χ^2 /NDF: 5171964.2/35

In: 0.062 $\pm$ 0.000 χ^2 /NDF:3414936.2/38

Out: 0.059 $\pm$ 0.000 χ^2 /NDF:4982278.8/41

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 8430932.8/80

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.524+/-0.000 χ^2/NDF : 1485492036.5/16

Left Out: 15.508+/-0.000 χ^2/NDF : 2414564175.4/22

Right Out: 14.762+/-0.000 χ^2/NDF : 1903088882.9/18

Left In: 15.602+/-0.000 χ^2/NDF : 1898876057.7/21

Left: 15.554+/-0.000 χ^2/NDF : 4328742987.9/44

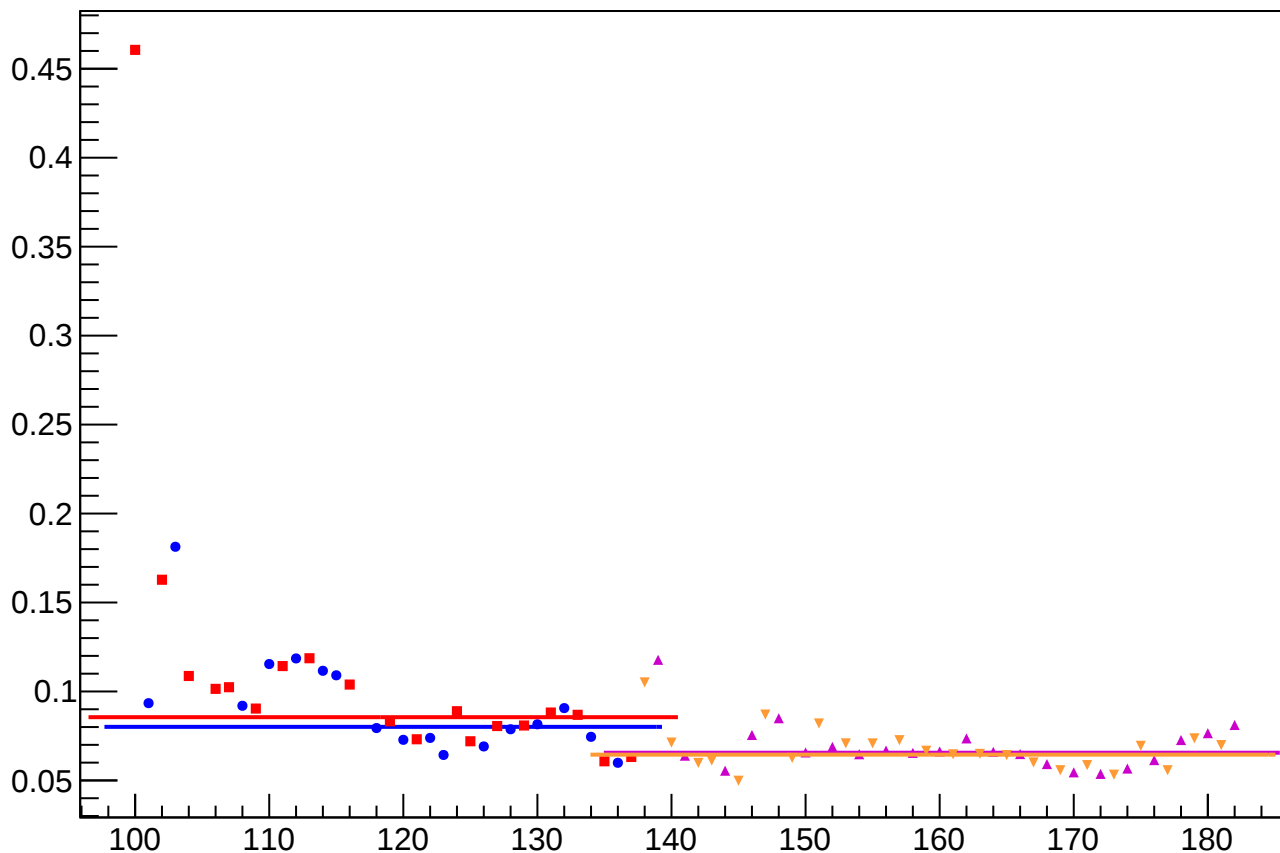
Right: 14.639+/-0.000 χ^2/NDF : 3411928914.0/35

In: 15.384+/-0.000 χ^2/NDF : 4179370398.5/38

Out: 15.370+/-0.000 χ^2/NDF : 4680990097.3/41

All: 15.377+/-0.000 χ^2/NDF : 8860758263.7/8

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080 $\pm$ 0.000 χ^2 /NDF: 775791.3/16

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF:697332.0/22

Right Out: 0.086 $\pm$ 0.000 χ^2 /NDF: 738760.7/18

Left In: 0.066 $\pm$ 0.000 χ^2 /NDF:712012.1/21

Left: 0.065 $\pm$ 0.000 χ^2 /NDF: 1413418.9/44

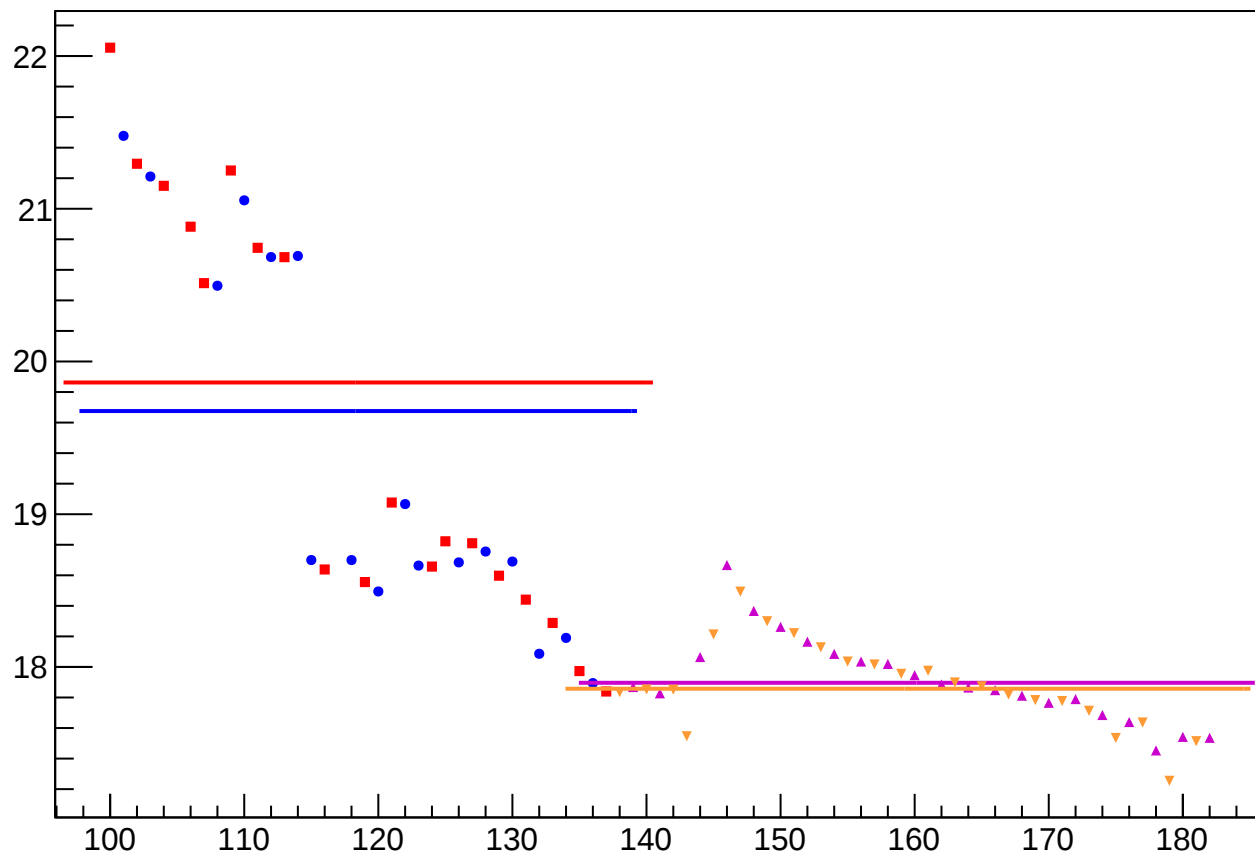
Right: 0.083 $\pm$ 0.000 χ^2 /NDF: 1539017.7/35

In: 0.069 $\pm$ 0.000 χ^2 /NDF:1777427.5/38

Out: 0.068 $\pm$ 0.000 χ^2 /NDF:2015253.6/41

All: 0.068 $\pm$ 0.000 χ^2 /NDF: 3792772.0/80

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.676+/-0.000 χ^2/NDF : 12360927493.1/16

Left Out: 17.857+/-0.000 χ^2/NDF : 1189255530.6/22

Right Out: 19.863+/-0.000 χ^2/NDF : 11443358824.6/18

Left In: 17.896+/-0.000 χ^2/NDF : 1119873907.7/21

Left: 17.877+/-0.000 χ^2/NDF : 2322251113.8/44

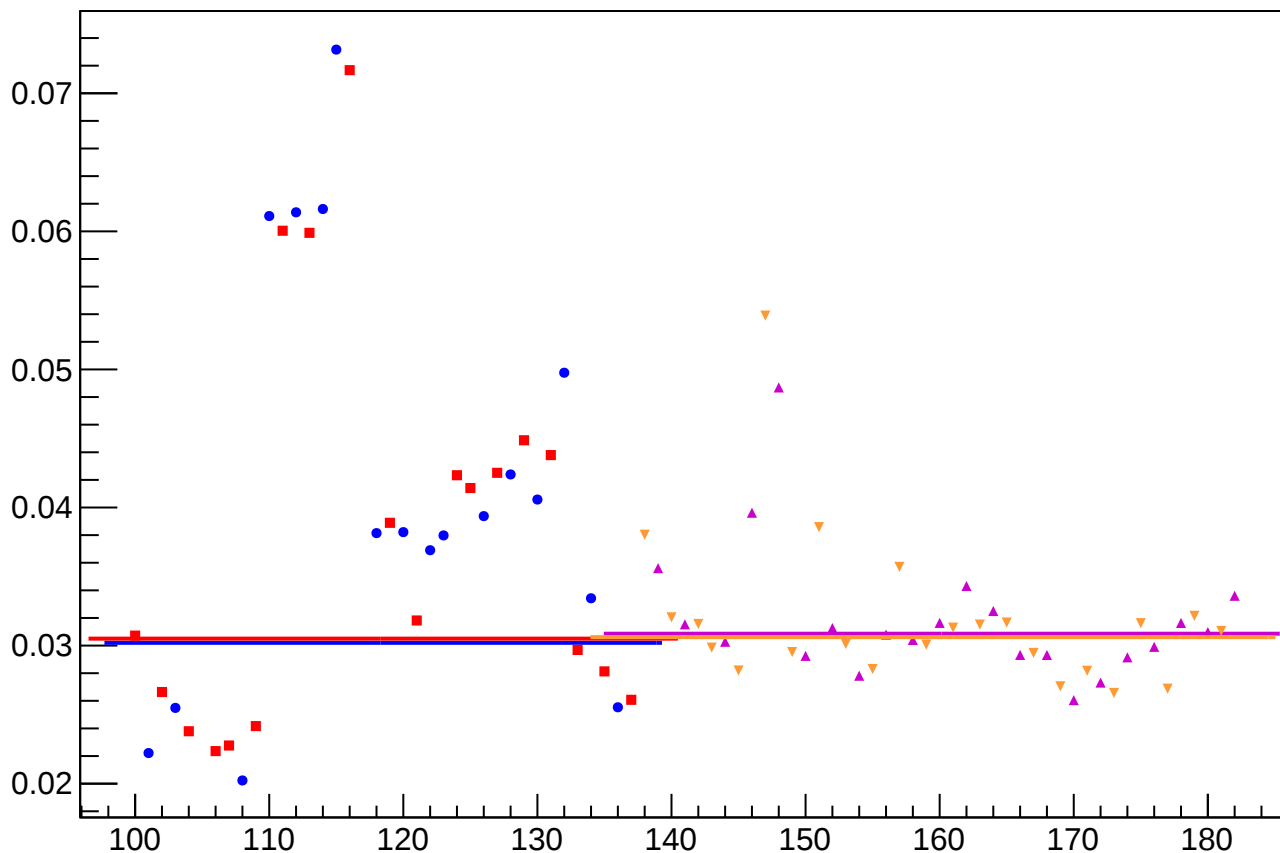
Right: 19.771+/-0.000 χ^2/NDF : 23912970775.0/35

In: 18.364+/-0.000 χ^2/NDF : 27731107286.4/38

Out: 18.387+/-0.000 χ^2/NDF : 31344205120.4/41

All: 18.376+/-0.000 χ^2/NDF : 59081794047.0

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 1318915.0/16

Left Out: 0.031+/-0.000 χ^2/NDF : 566060.7/22

Right Out: 0.031+/-0.000 χ^2/NDF : 1176229.2/18

Left In: 0.031+/-0.000 χ^2/NDF : 449400.7/21

Left: 0.031+/-0.000 χ^2/NDF : 1016552.5/44

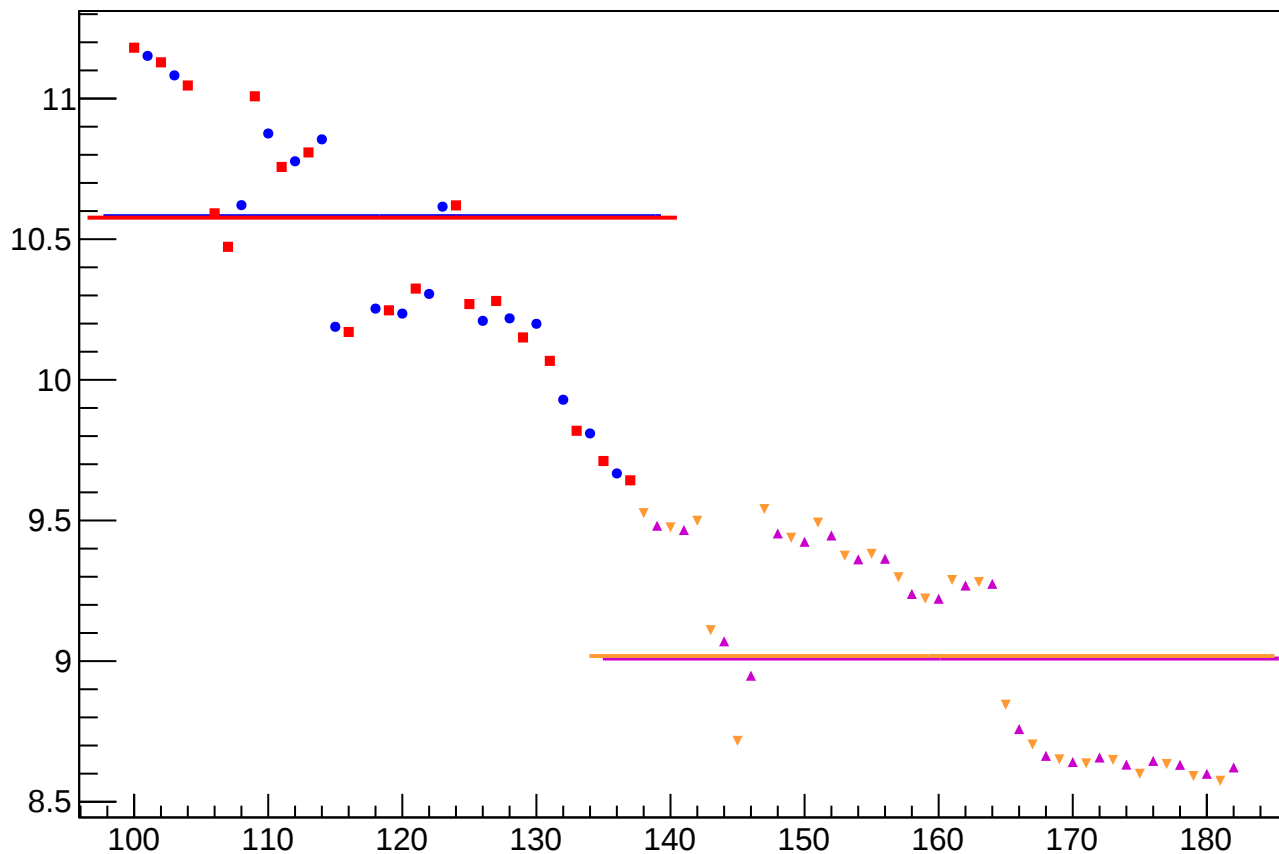
Right: 0.030+/-0.000 χ^2/NDF : 2495714.0/35

In: 0.031+/-0.000 χ^2/NDF : 1772231.3/38

Out: 0.031+/-0.000 χ^2/NDF : 1742394.5/41

All: 0.031+/-0.000 χ^2/NDF : 3514887.6/80

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.582+/-0.000 χ^2/NDF : 7496301993.4/16

Left Out: 9.018+/-0.000 χ^2/NDF : 6057621787.4/22

Right Out: 10.577+/-0.000 χ^2/NDF : 5832154064.6/18

Left In: 9.009+/-0.000 χ^2/NDF : 5178608060.5/21

Left: 9.014+/-0.000 χ^2/NDF : 11237974567.2/44

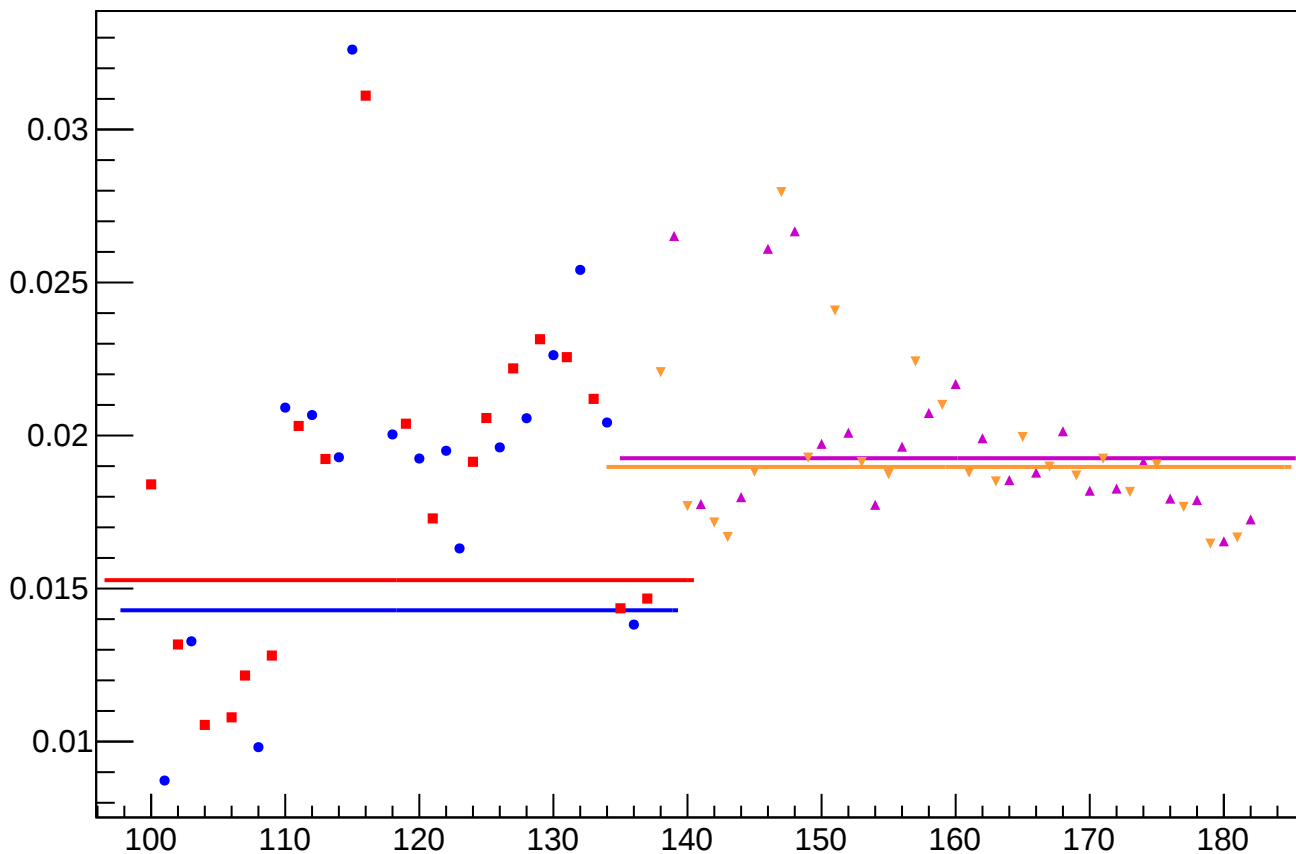
Right: 10.579+/-0.000 χ^2/NDF : 13328822109.0/35

In: 9.611+/-0.000 χ^2/NDF : 52406983168.0/38

Out: 9.586+/-0.000 χ^2/NDF : 50840223138.9/41

All: 9.599+/-0.000 χ^2/NDF : 103269068798.2

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1401060.2/16

Left Out: 0.019+/-0.000 χ^2/NDF : 412636.1/22

Right Out: 0.015+/-0.000 χ^2/NDF : 983878.2/18

Left In: 0.019+/-0.000 χ^2/NDF : 477190.1/21

Left: 0.019+/-0.000 χ^2/NDF : 893315.8/44

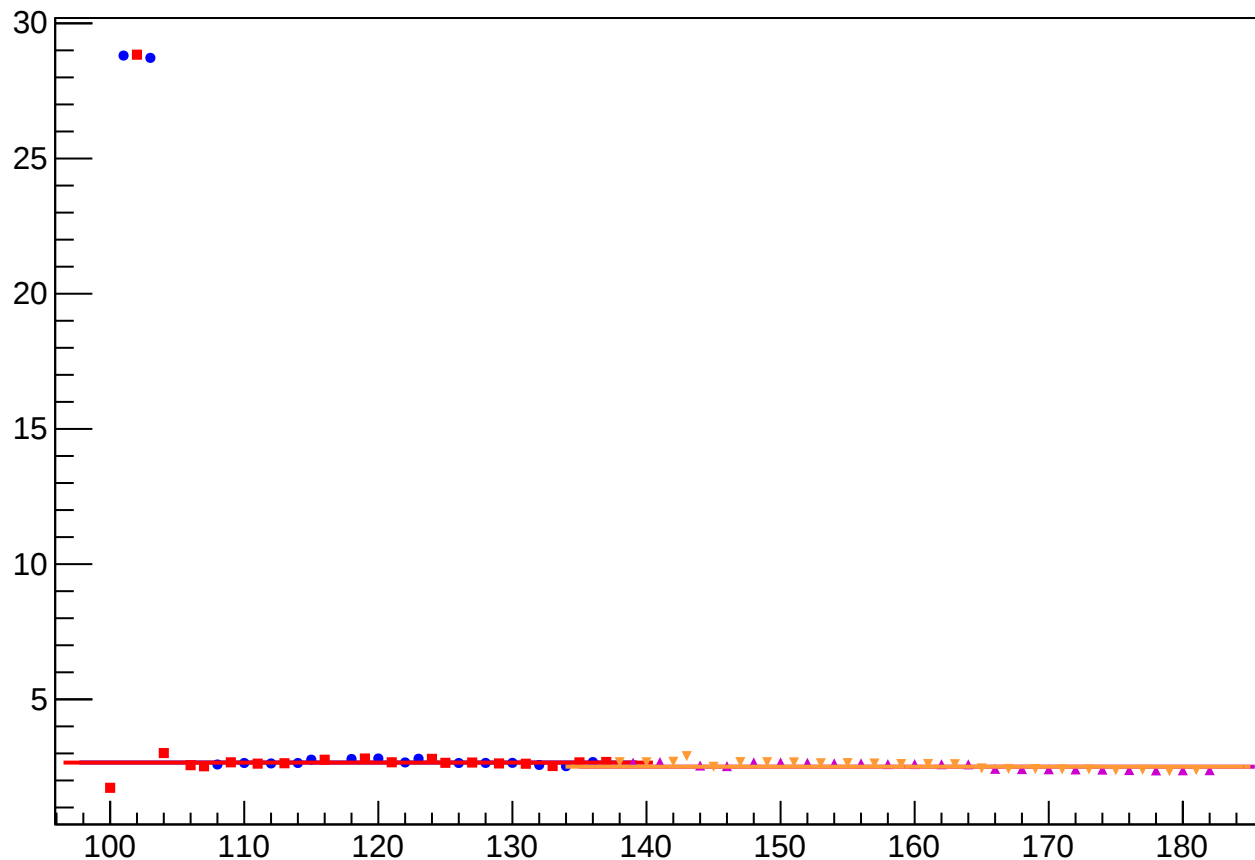
Right: 0.015+/-0.000 χ^2/NDF : 2409778.5/35

In: 0.017+/-0.000 χ^2/NDF : 2671617.9/38

Out: 0.018+/-0.000 χ^2/NDF : 1835615.6/41

All: 0.017+/-0.000 χ^2/NDF : 4512210.0/80

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664 $\pm$ 0.000 χ^2 /NDF: 163239224312.8/16

Left Out: 2.510 $\pm$ 0.000 χ^2 /NDF: 58275697747.6/22

Right Out: 2.661 $\pm$ 0.000 χ^2 /NDF: 70469517041.1/18

Left In: 2.509 $\pm$ 0.000 χ^2 /NDF: 41217895220.7/21

Left: 2.509 $\pm$ 0.000 χ^2 /NDF: 99497630422.1/44

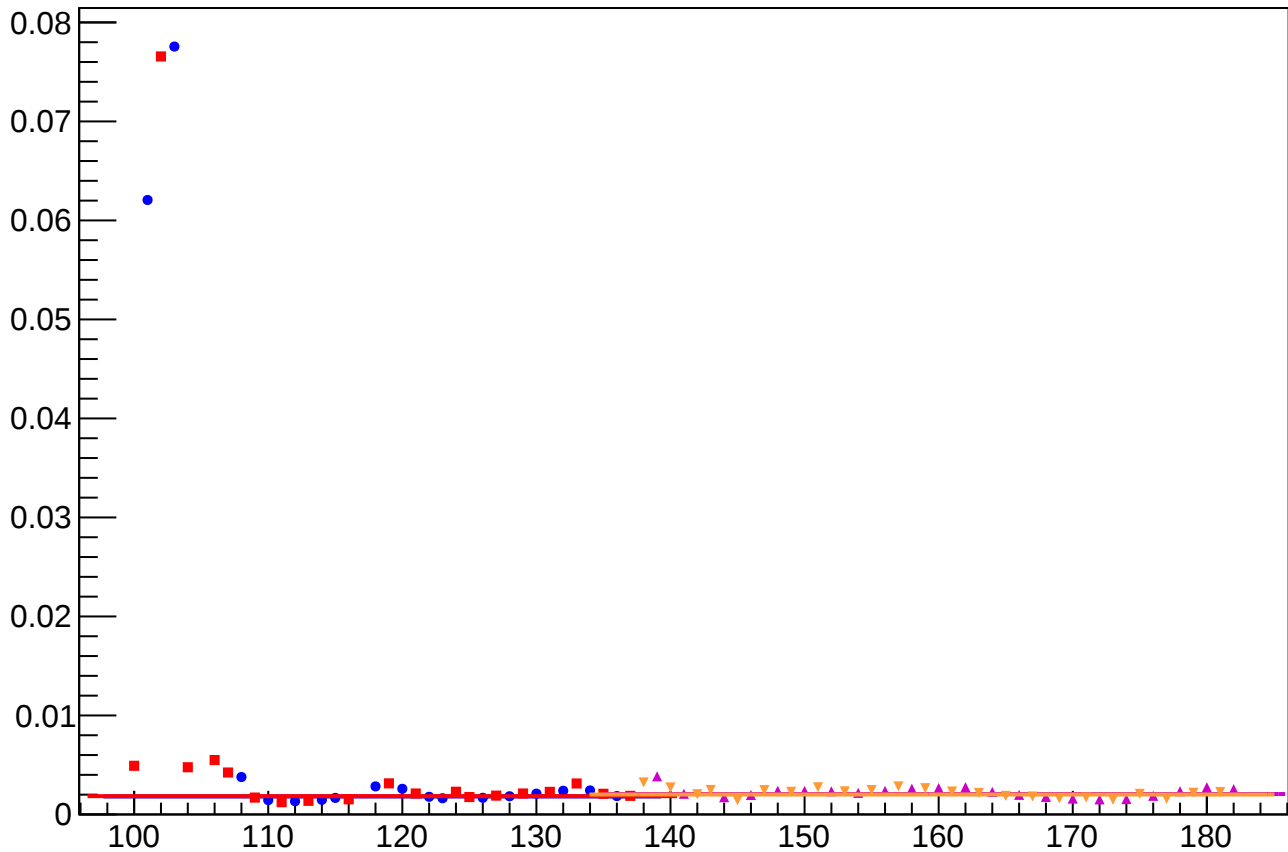
Right: 2.662 $\pm$ 0.000 χ^2 /NDF: 233714492758.5/35

In: 2.554 $\pm$ 0.000 χ^2 /NDF: 227360667003.6/38

Out: 2.554 $\pm$ 0.000 χ^2 /NDF: 151451075455.3/41

All: 2.554 $\pm$ 0.000 χ^2 /NDF: 378811799298.0

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2661214.8/16

Left Out: 0.002+/-0.000 χ^2/NDF :1372606.2/22

Right Out: 0.002+/-0.000 χ^2/NDF : 2328485.5/18

Left In: 0.002+/-0.000 χ^2/NDF :1299554.9/21

Left: 0.002+/-0.000 χ^2/NDF : 2679667.8/44

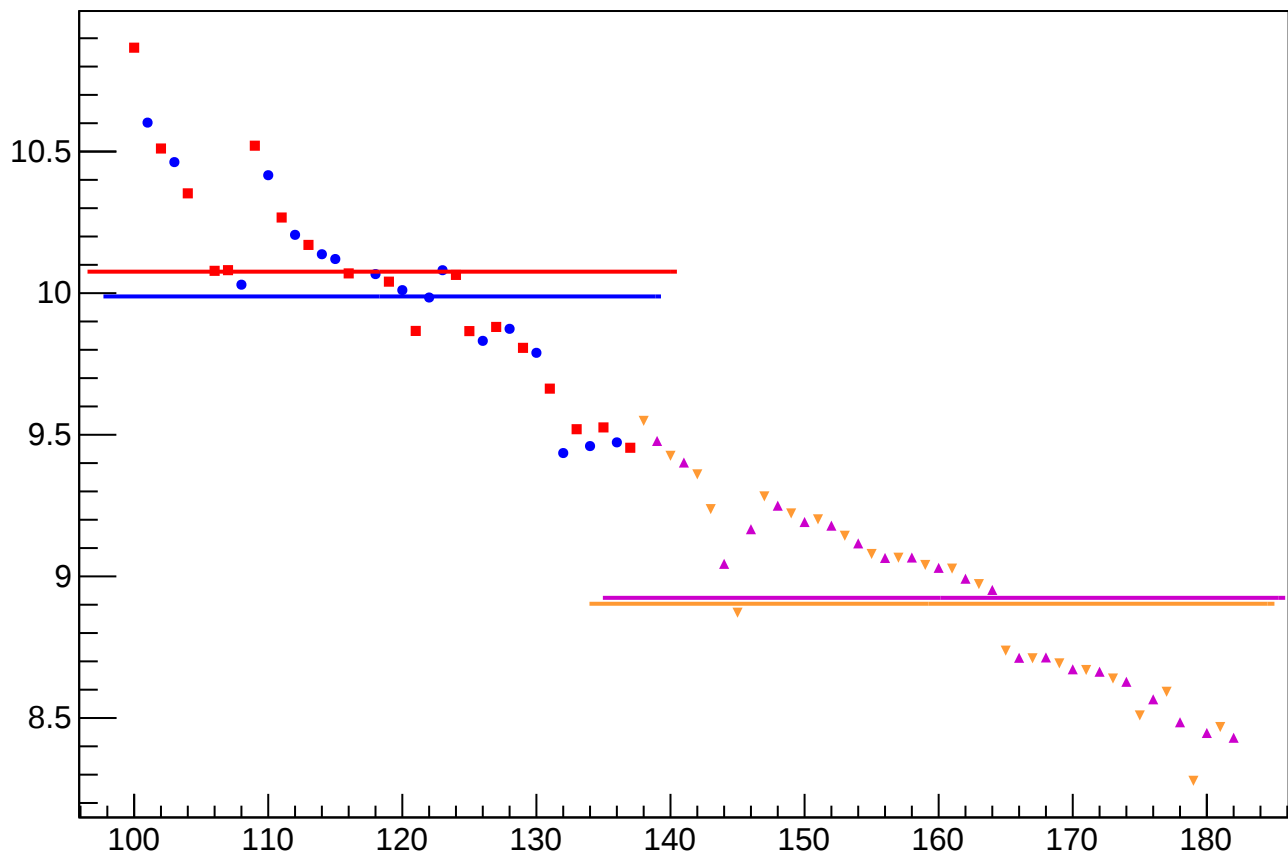
Right: 0.002+/-0.000 χ^2/NDF : 4990933.6/35

In: 0.002+/-0.000 χ^2/NDF :4074838.6/38

Out: 0.002+/-0.000 χ^2/NDF :3757194.4/41

All: 0.002+/-0.000 χ^2/NDF : 7834814.9/80

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.988 $\pm$ 0.000 χ^2/NDF : 19058102133.2/16

Left Out: 8.903 $\pm$ 0.000 χ^2/NDF : 31206348157.3/22

Right Out: 10.076 $\pm$ 0.000 χ^2/NDF : 15960763158.3/18

Left In: 8.924 $\pm$ 0.000 χ^2/NDF : 26088632945.2/21

Left: 8.913 $\pm$ 0.000 χ^2/NDF : 57373676868.9/44

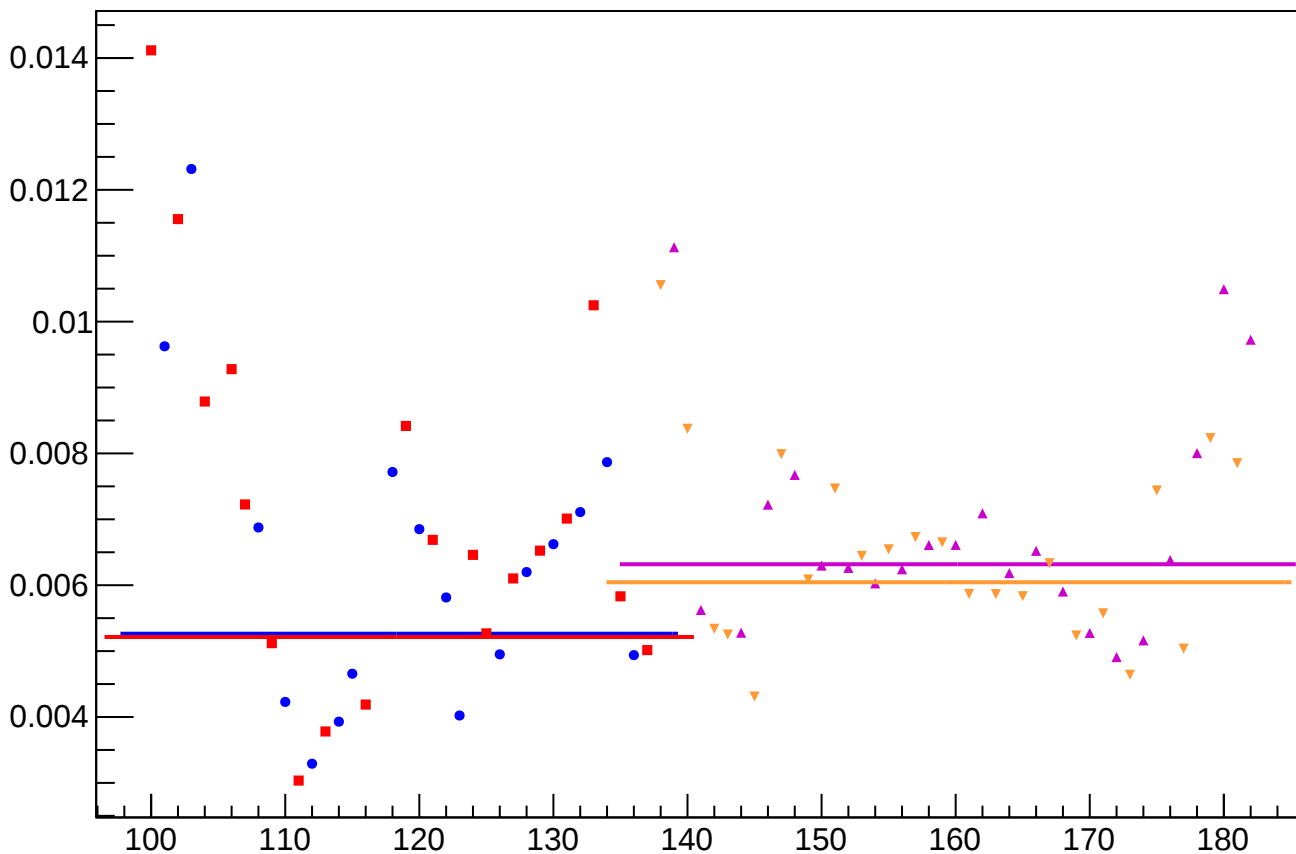
Right: 10.033 $\pm$ 0.000 χ^2/NDF : 35731458435.6/35

In: 9.292 $\pm$ 0.000 χ^2/NDF : 179313634316.5/38

Out: 9.297 $\pm$ 0.000 χ^2/NDF : 222081801658.1/41

All: 9.295 $\pm$ 0.000 χ^2/NDF : 401402085217.5

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 1249771.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :1110761.1/22

Right Out: 0.005+/-0.000 χ^2/NDF : 1653053.2/18

Left In: 0.006+/-0.000 χ^2/NDF :1087051.1/21

Left: 0.006+/-0.000 χ^2/NDF : 2224641.8/44

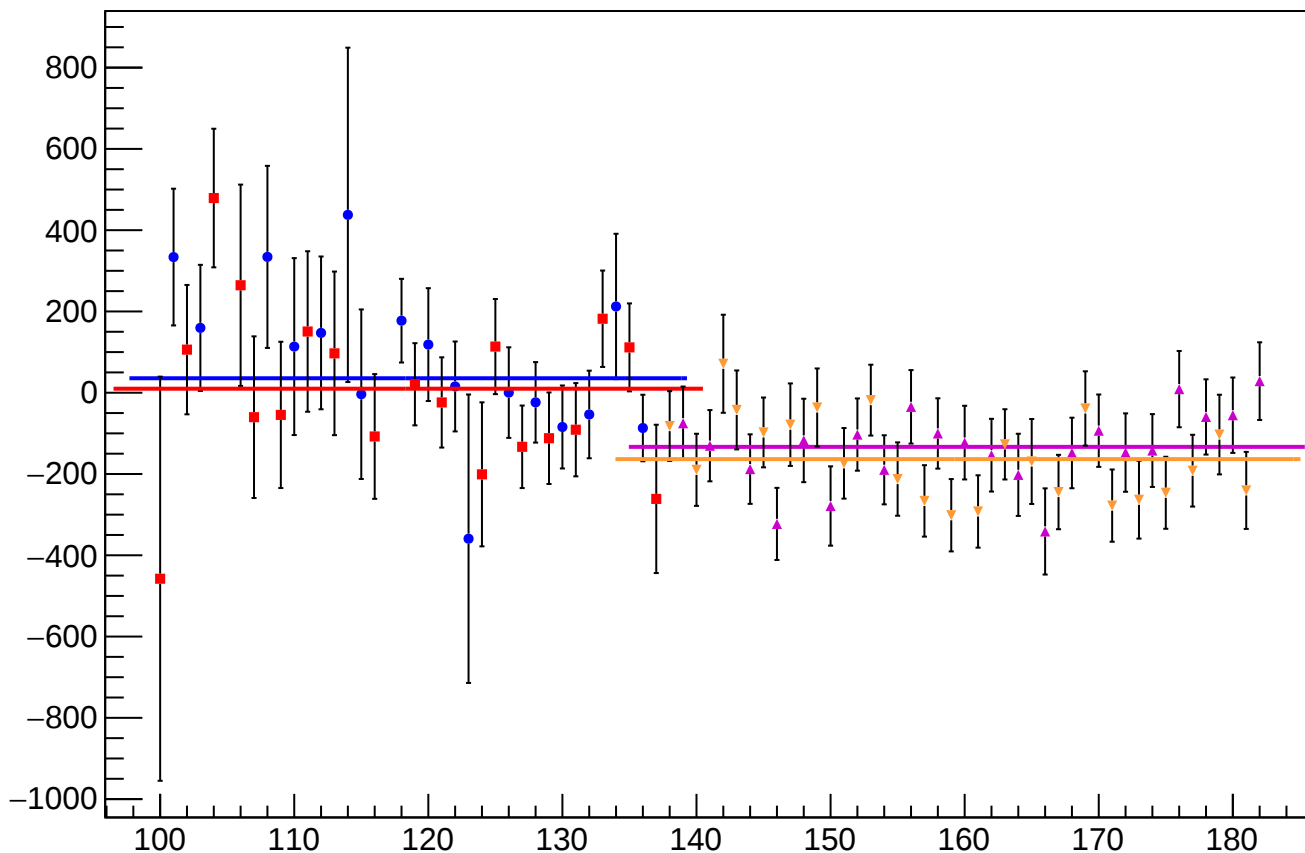
Right: 0.005+/-0.000 χ^2/NDF : 2903285.2/35

In: 0.006+/-0.000 χ^2/NDF :2600179.0/38

Out: 0.006+/-0.000 χ^2/NDF :2939454.3/41

All: 0.006+/-0.000 χ^2/NDF : 5558845.8/80

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 35.612 $\pm$ 32.342 χ^2 /NDF: 16.3/16

Left Out: -163.371 $\pm$ 19.181 χ^2 /NDF:25.9/22

Right Out: 9.921 $\pm$ 32.186 χ^2 /NDF: 22.8/18

Left In: -133.206 $\pm$ 19.547 χ^2 /NDF:20.7/21

Left: -148.574 $\pm$ 13.691 χ^2 /NDF: 47.8/44

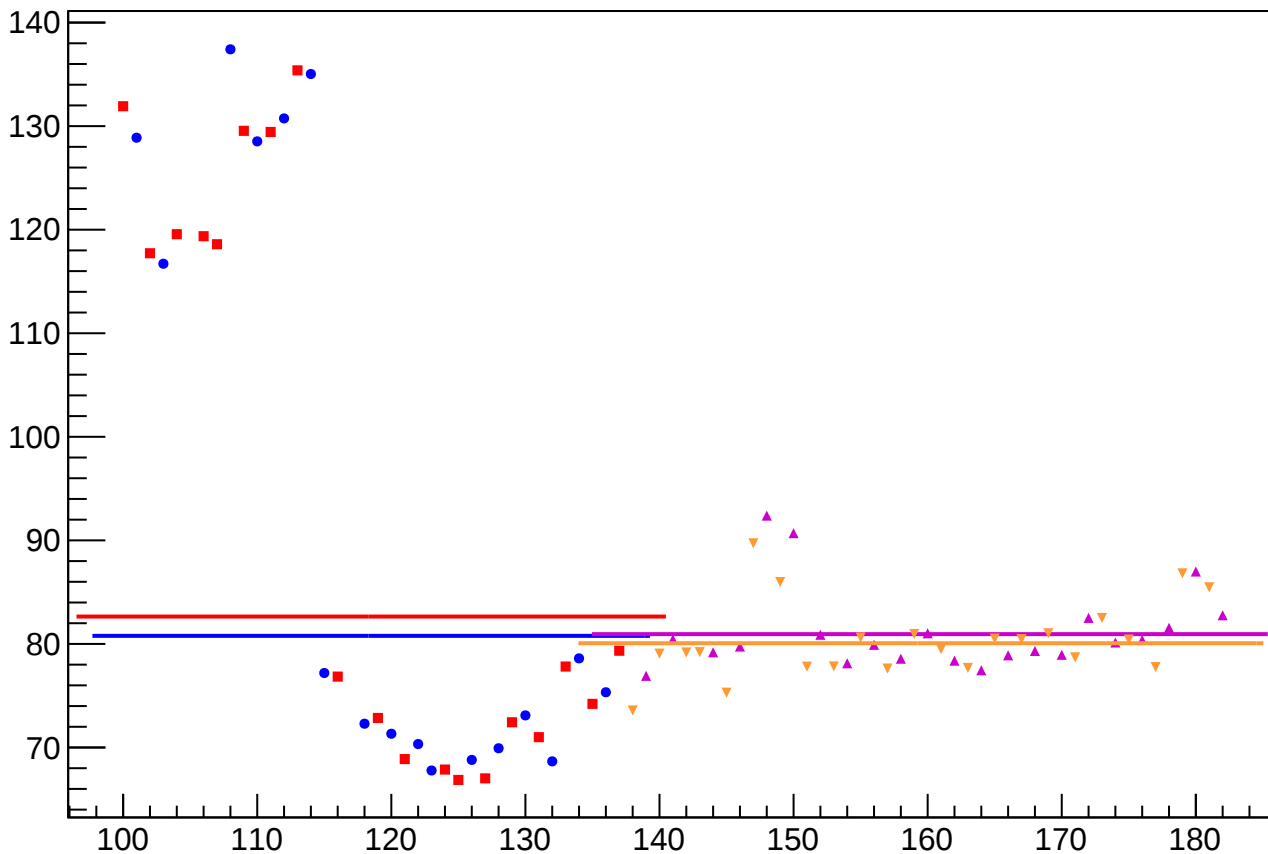
Right: 22.705 $\pm$ 22.814 χ^2 /NDF: 39.4/35

In: -88.038 $\pm$ 16.729 χ^2 /NDF:56.9/38

Out: -117.955 $\pm$ 16.477 χ^2 /NDF:70.1/41

All: -103.223 $\pm$ 11.739 χ^2 /NDF: 128.6/80

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.781 $\pm$ 0.023 χ^2 /NDF: 807781.3/16

Left Out: 80.067 $\pm$ 0.014 χ^2 /NDF:69316.1/22

Right Out: 82.645 $\pm$ 0.023 χ^2 /NDF: 908392.3/18

Left In: 80.945 $\pm$ 0.014 χ^2 /NDF:70583.5/21

Left: 80.498 $\pm$ 0.010 χ^2 /NDF: 141959.0/44

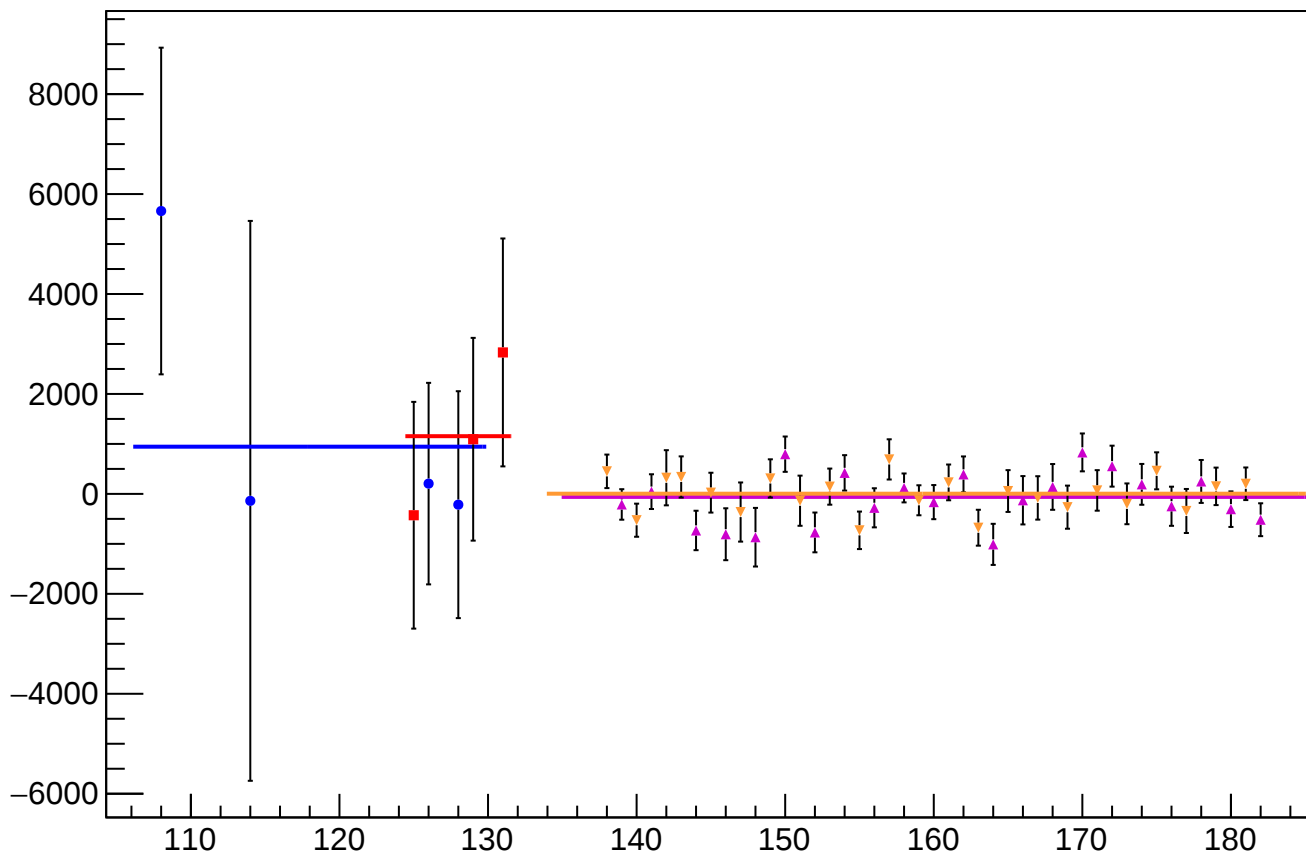
Right: 81.717 $\pm$ 0.016 χ^2 /NDF: 1719511.7/35

In: 80.901 $\pm$ 0.012 χ^2 /NDF:878402.8/38

Out: 80.742 $\pm$ 0.012 χ^2 /NDF:987178.4/41

All: 80.821 $\pm$ 0.008 χ^2 /NDF: 1865673.0/80

asym_sam1_correction_mean vs Slug, Sign Corrected



Right In: 944.622+/-1329.889 χ^2/NDF : 2.5/3

Left Out: 3.746+/-81.069 χ^2/NDF :20.9/22

Right Out: 1154.707+/-1260.302 χ^2/NDF : 1.0/2

Left In: -60.092+/-81.095 χ^2/NDF :37.3/21

Left: -28.163+/-57.334 χ^2/NDF : 58.5/44

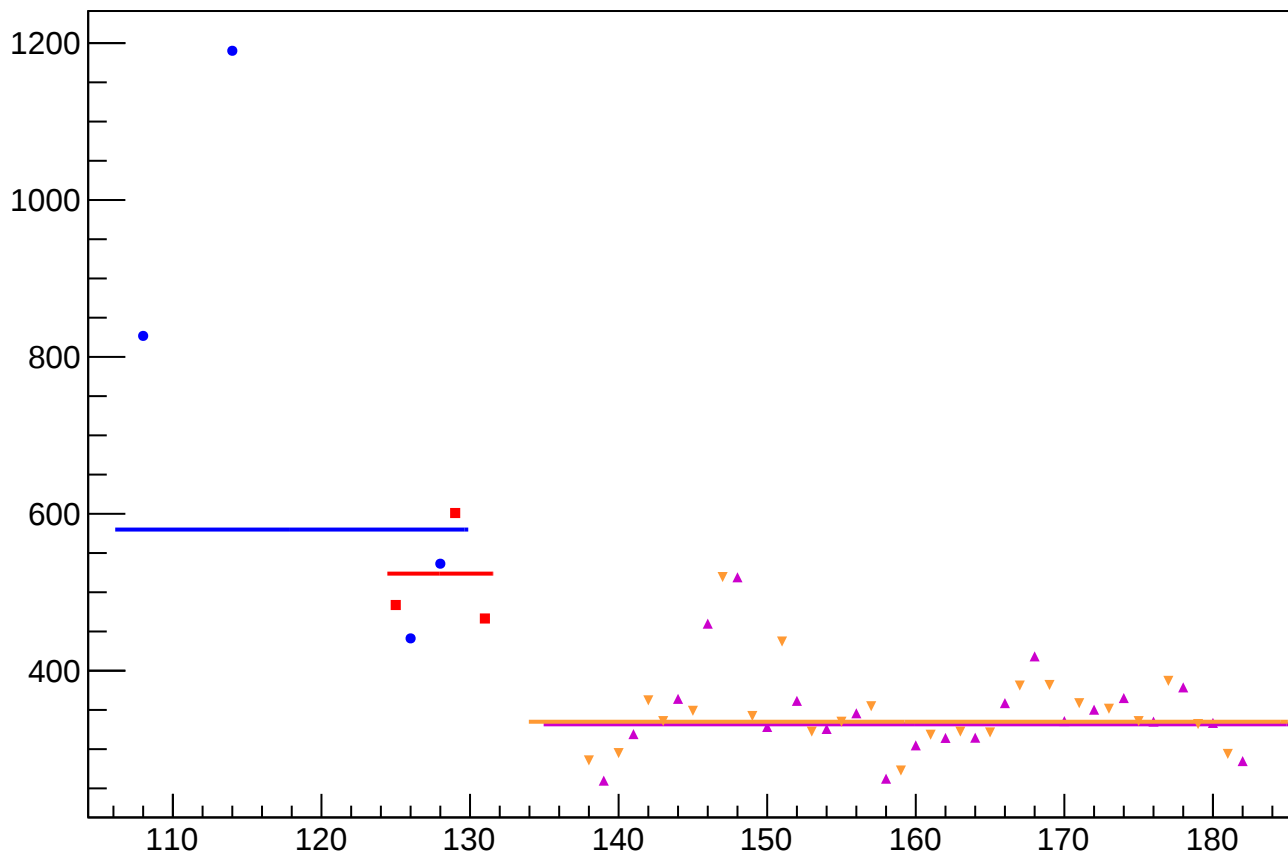
Right: 1055.304+/-914.780 χ^2/NDF : 3.6/6

In: -56.370+/-80.944 χ^2/NDF :40.4/25

Out: 8.489+/-80.902 χ^2/NDF :22.7/25

All: -23.924+/-57.221 χ^2/NDF : 63.4/51

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 579.917 $\pm$ 0.940 χ^2 /NDF: 45346.8/3

Left Out: 334.950 $\pm$ 0.057 χ^2 /NDF: 575375.5/22

Right Out: 523.753 $\pm$ 0.891 χ^2 /NDF: 4780.0/2

Left In: 331.649 $\pm$ 0.057 χ^2 /NDF: 763195.6/21

Left: 333.300 $\pm$ 0.041 χ^2 /NDF: 1340228.2/44

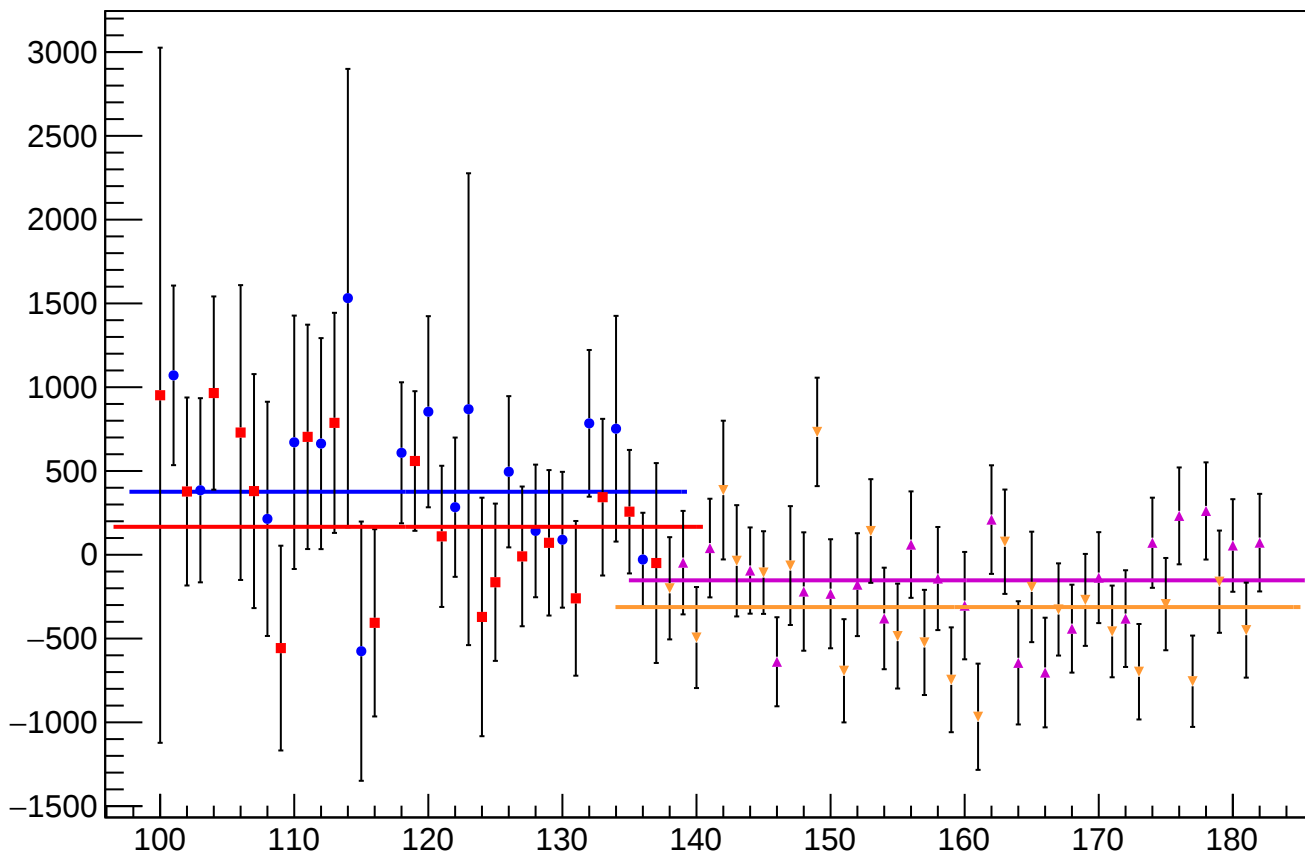
Right: 550.327 $\pm$ 0.647 χ^2 /NDF: 52006.2/6

In: 332.569 $\pm$ 0.057 χ^2 /NDF: 877985.6/25

Out: 335.728 $\pm$ 0.057 χ^2 /NDF: 624855.5/25

All: 334.149 $\pm$ 0.040 χ^2 /NDF: 1504364.8/51

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 376.077 $\pm$ 121.292 χ^2 /NDF: 9.7/16

Left Out: -312.092 $\pm$ 62.789 χ^2 /NDF:33.3/22

Right Out: 166.872 $\pm$ 120.731 χ^2 /NDF: 10.1/18

Left In: -152.515 $\pm$ 63.320 χ^2 /NDF:18.7/21

Left: -232.976 $\pm$ 44.585 χ^2 /NDF: 55.1/44

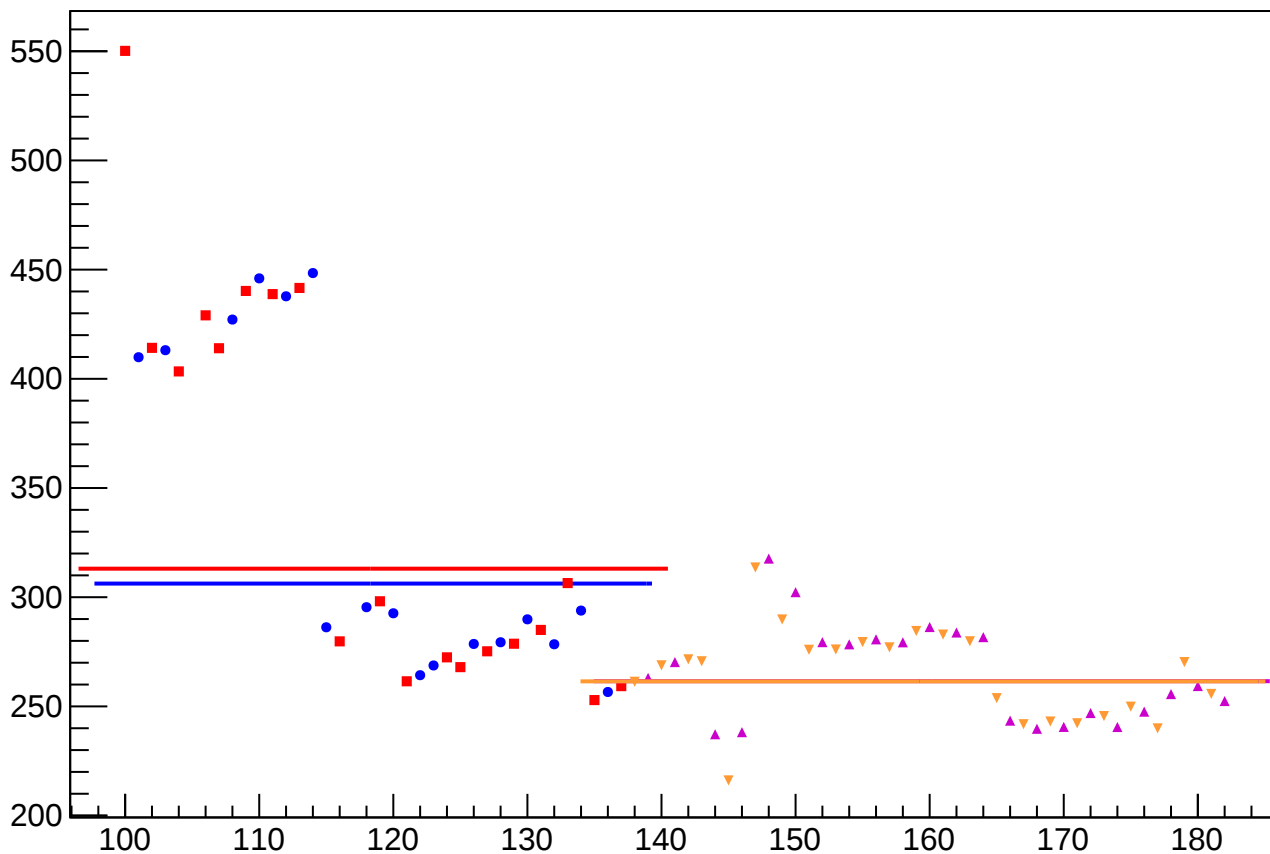
Right: 270.989 $\pm$ 85.567 χ^2 /NDF: 21.3/35

In: -39.308 $\pm$ 56.132 χ^2 /NDF:43.3/38

Out: -210.123 $\pm$ 55.706 χ^2 /NDF:55.7/41

All: -125.366 $\pm$ 39.540 χ^2 /NDF: 103.7/80

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.241+/-0.086 χ^2/NDF : 505092.7/16

Left Out: 261.466+/-0.044 χ^2/NDF : 232281.6/22

Right Out: 313.066+/-0.085 χ^2/NDF : 621526.7/18

Left In: 261.549+/-0.045 χ^2/NDF : 228000.1/21

Left: 261.507+/-0.032 χ^2/NDF : 460283.4/44

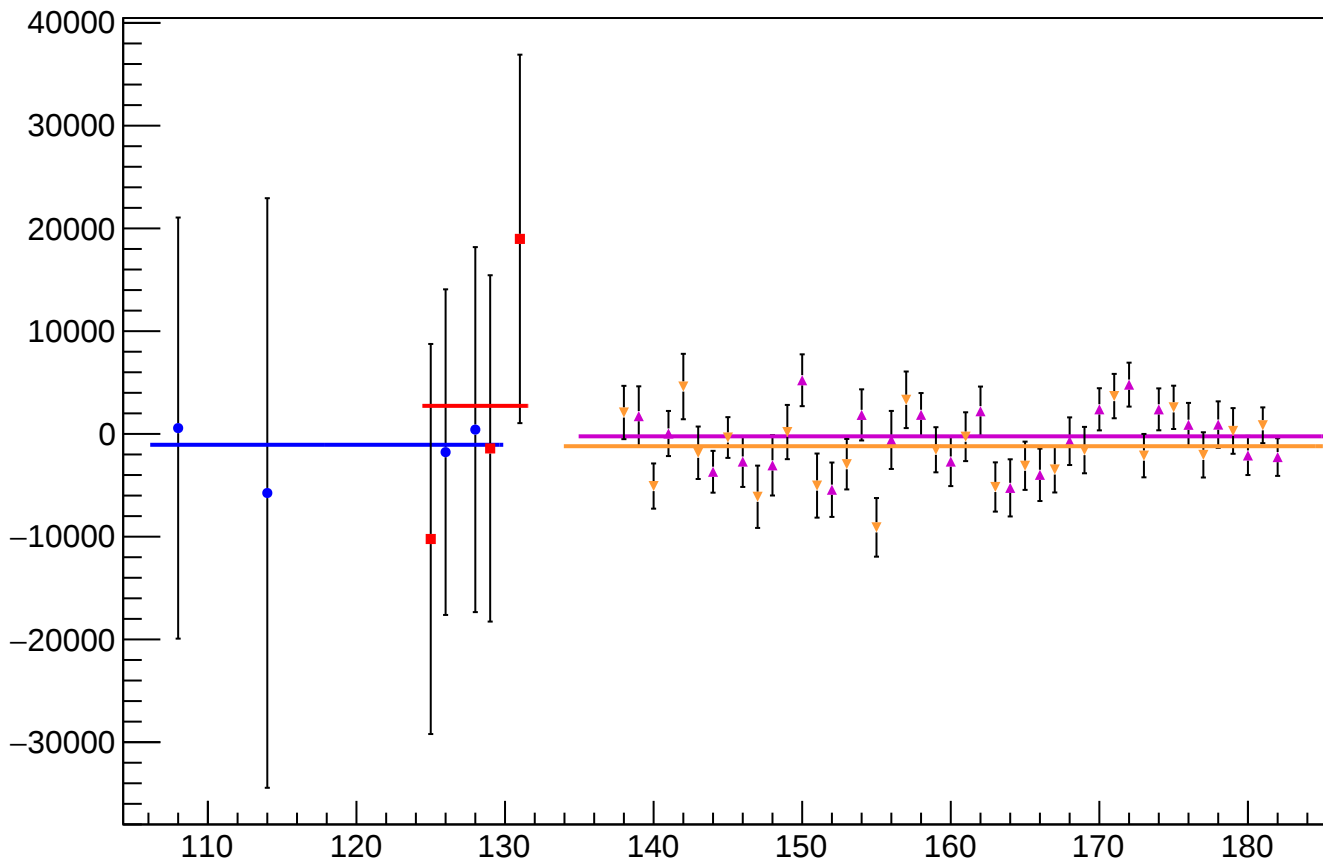
Right: 309.669+/-0.061 χ^2/NDF : 1129800.6/35

In: 271.121+/-0.040 χ^2/NDF : 946473.2/38

Out: 272.452+/-0.039 χ^2/NDF : 1141365.0/41

All: 271.791+/-0.028 χ^2/NDF : 2088404.9/80

asym_sam2_correction_mean vs Slug, Sign Corrected



Right In: -1057.023+/-9645.185 χ^2 /NDF: 0.0/3

Left Out: -1195.568+/-489.325 χ^2 /NDF:38.7/22

Right Out: 2731.442+/-10310.351 χ^2 /NDF: 1.3/2

Left In: -234.451+/-490.194 χ^2 /NDF:34.6/21

Left: -715.861+/-346.312 χ^2 /NDF: 75.2/44

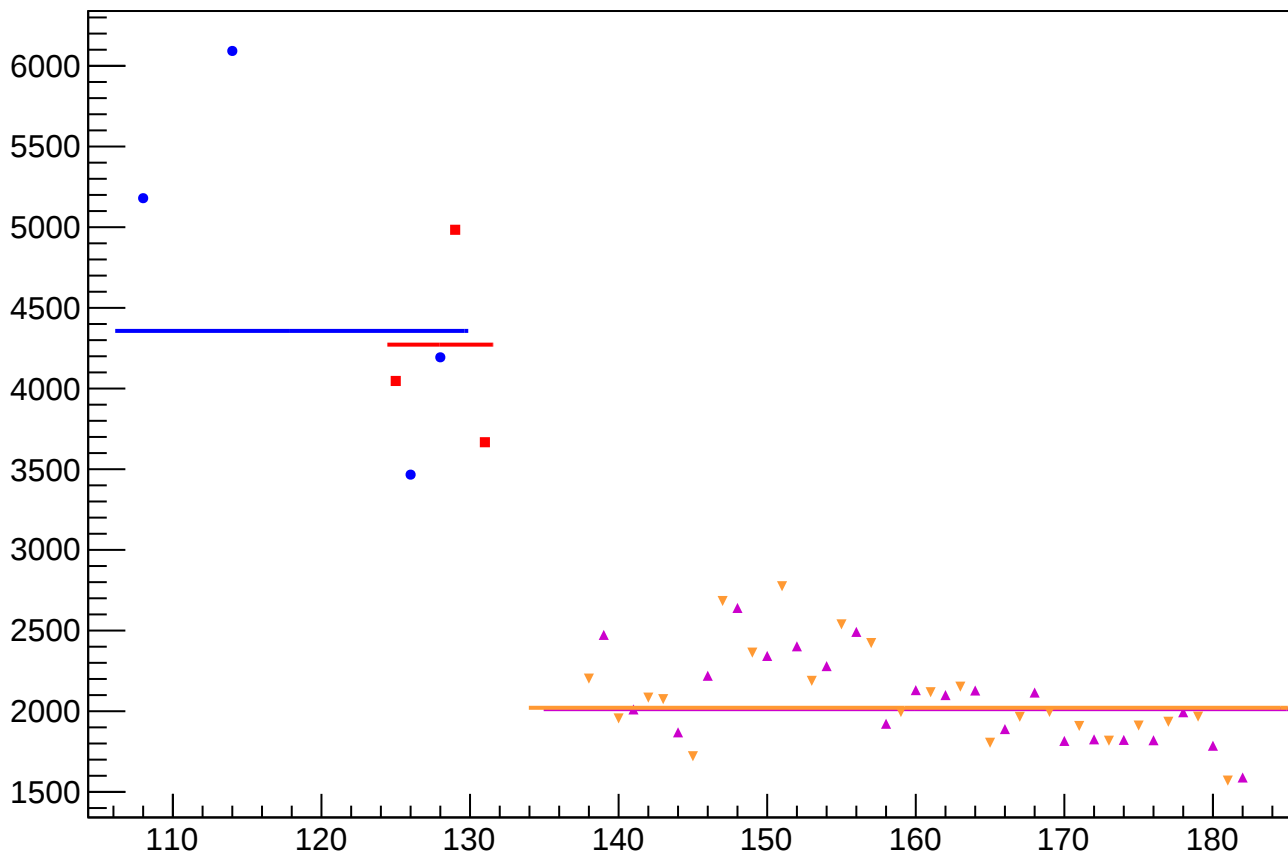
Right: 711.071+/-7043.597 χ^2 /NDF: 1.5/6

In: -236.570+/-489.562 χ^2 /NDF:34.6/25

Out: -1186.742+/-488.775 χ^2 /NDF:40.2/25

All: -712.420+/-345.894 χ^2 /NDF: 76.7/51

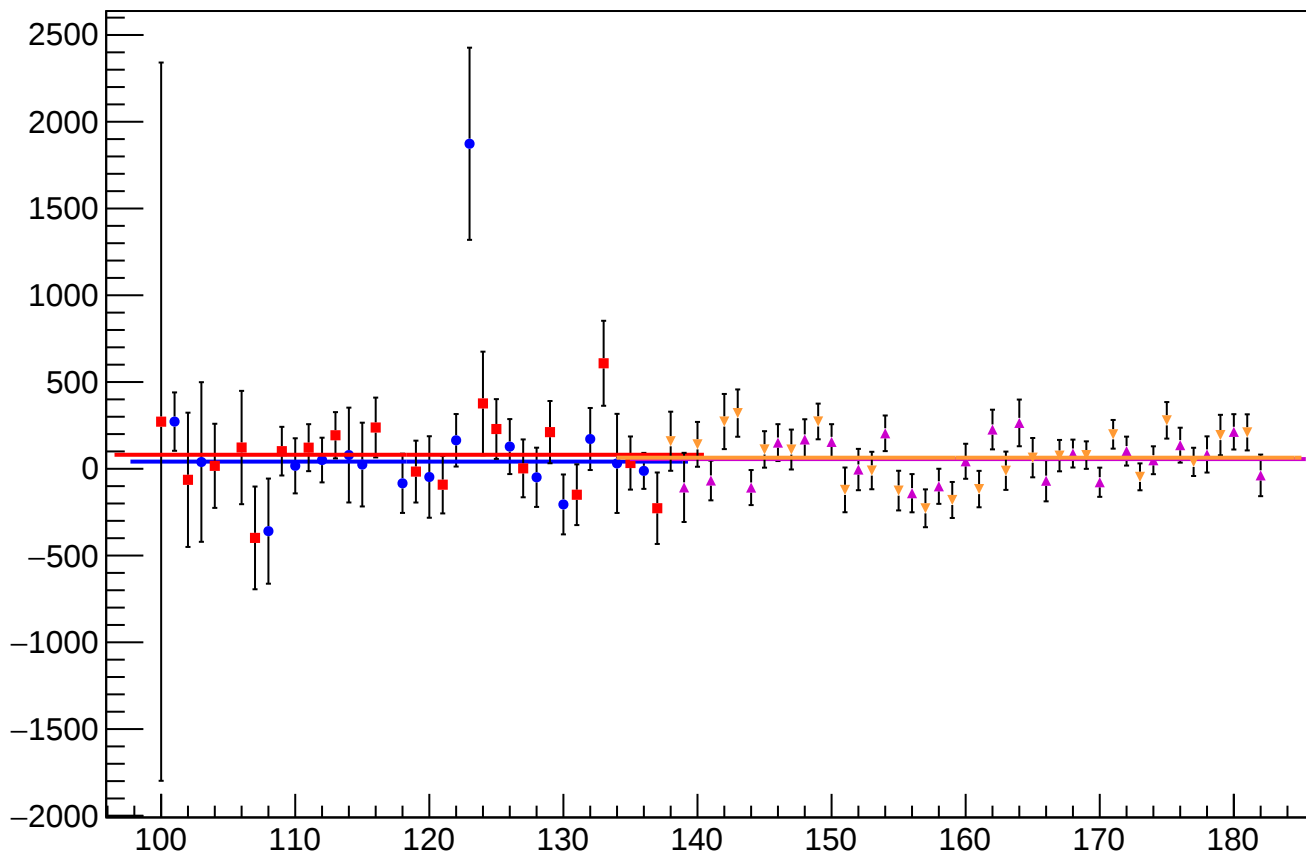
asym_sam2_correction_rms vs Slug, Sign Corrected



Right In: 4357.248+/-6.820 χ^2/NDF : 17030.4/3
 Left Out: 2021.390+/-0.346 χ^2/NDF : 618273.2/22
 Right Out: 4272.099+/-7.291 χ^2/NDF : 6125.9/2
 Left In: 2012.805+/-0.347 χ^2/NDF : 549634.7/21

Left: 2017.105+/-0.245 χ^2/NDF : 1168215.2/44
 Right: 4317.508+/-4.981 χ^2/NDF : 23229.0/6
 In: 2018.845+/-0.346 χ^2/NDF : 684525.5/25
 Out: 2026.448+/-0.346 χ^2/NDF : 719491.2/25
 All: 2022.653+/-0.245 χ^2/NDF : 1404258.3/51

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 41.443 $\pm$ 43.633 χ^2 /NDF: 19.4/16

Left Out: 63.862 $\pm$ 21.820 χ^2 /NDF:44.1/22

Right Out: 80.808 $\pm$ 43.212 χ^2 /NDF: 17.1/18

Left In: 55.923 $\pm$ 22.055 χ^2 /NDF:27.5/21

Left: 59.935 $\pm$ 15.511 χ^2 /NDF: 71.6/44

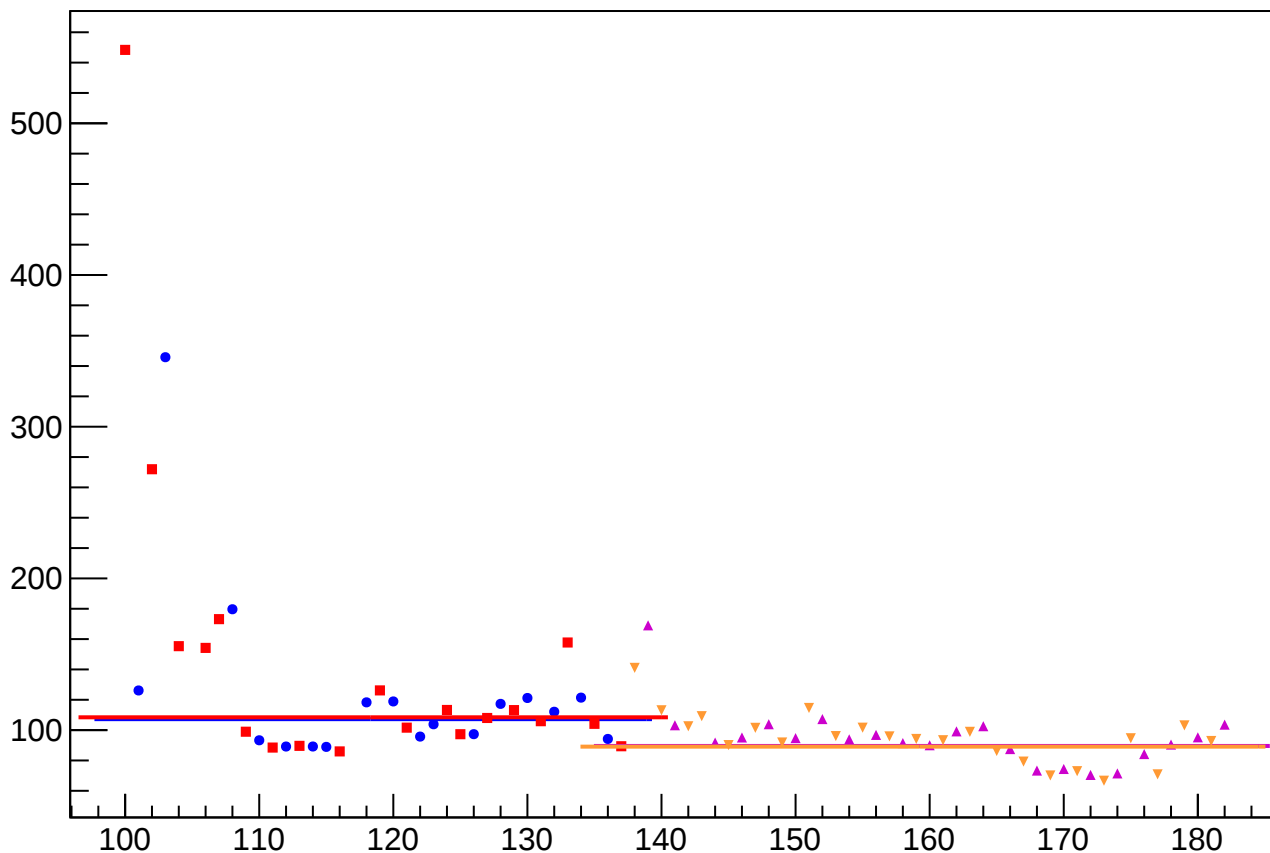
Right: 61.316 $\pm$ 30.703 χ^2 /NDF: 36.9/35

In: 52.977 $\pm$ 19.683 χ^2 /NDF:47.0/38

Out: 67.305 $\pm$ 19.478 χ^2 /NDF:61.2/41

All: 60.216 $\pm$ 13.845 χ^2 /NDF: 108.5/80

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.231 $\pm$ 0.031 χ^2 /NDF: 843493.4/16

Left Out: 89.110 $\pm$ 0.015 χ^2 /NDF:1001239.1/22

Right Out: 108.446 $\pm$ 0.031 χ^2 /NDF: 917457.6/18

Left In: 89.564 $\pm$ 0.016 χ^2 /NDF:871987.2/21

Left: 89.335 $\pm$ 0.011 χ^2 /NDF: 1873654.1/44

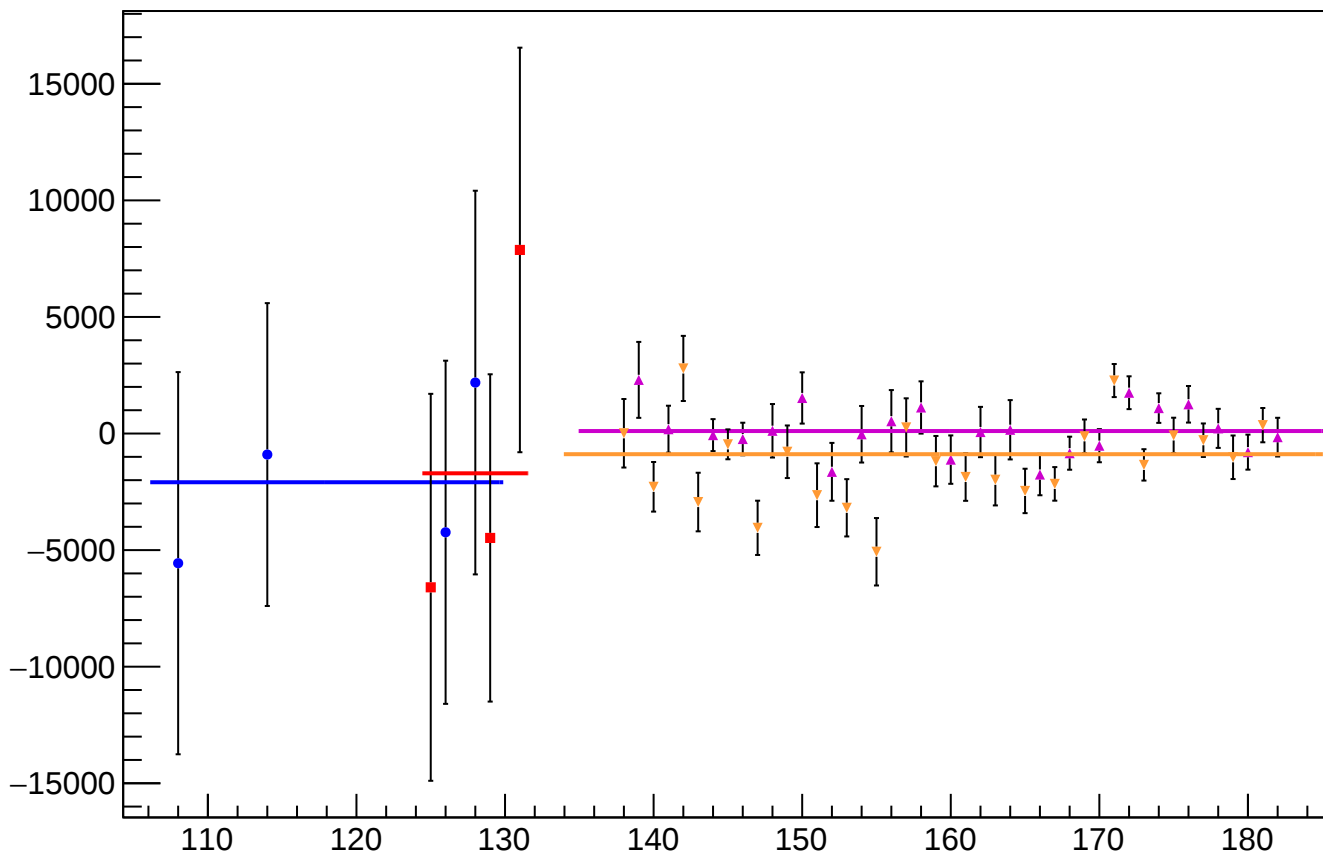
Right: 107.845 $\pm$ 0.022 χ^2 /NDF: 1761734.0/35

In: 93.159 $\pm$ 0.014 χ^2 /NDF:1976649.4/38

Out: 93.039 $\pm$ 0.014 χ^2 /NDF:2237782.0/41

All: 93.099 $\pm$ 0.010 χ^2 /NDF: 4214469.3/80

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: -2089.367 ± 3731.168 $\chi^2/\text{NDF}: 0.6/3$

Left Out: -886.167 ± 191.615 $\chi^2/\text{NDF}: 67.9/22$

Right Out: -1705.730 ± 4559.420 $\chi^2/\text{NDF}: 1.7/2$

Left In: 106.819 ± 188.203 $\chi^2/\text{NDF}: 26.7/21$

Left: -380.754 ± 134.270 $\chi^2/\text{NDF}: 108.2/44$

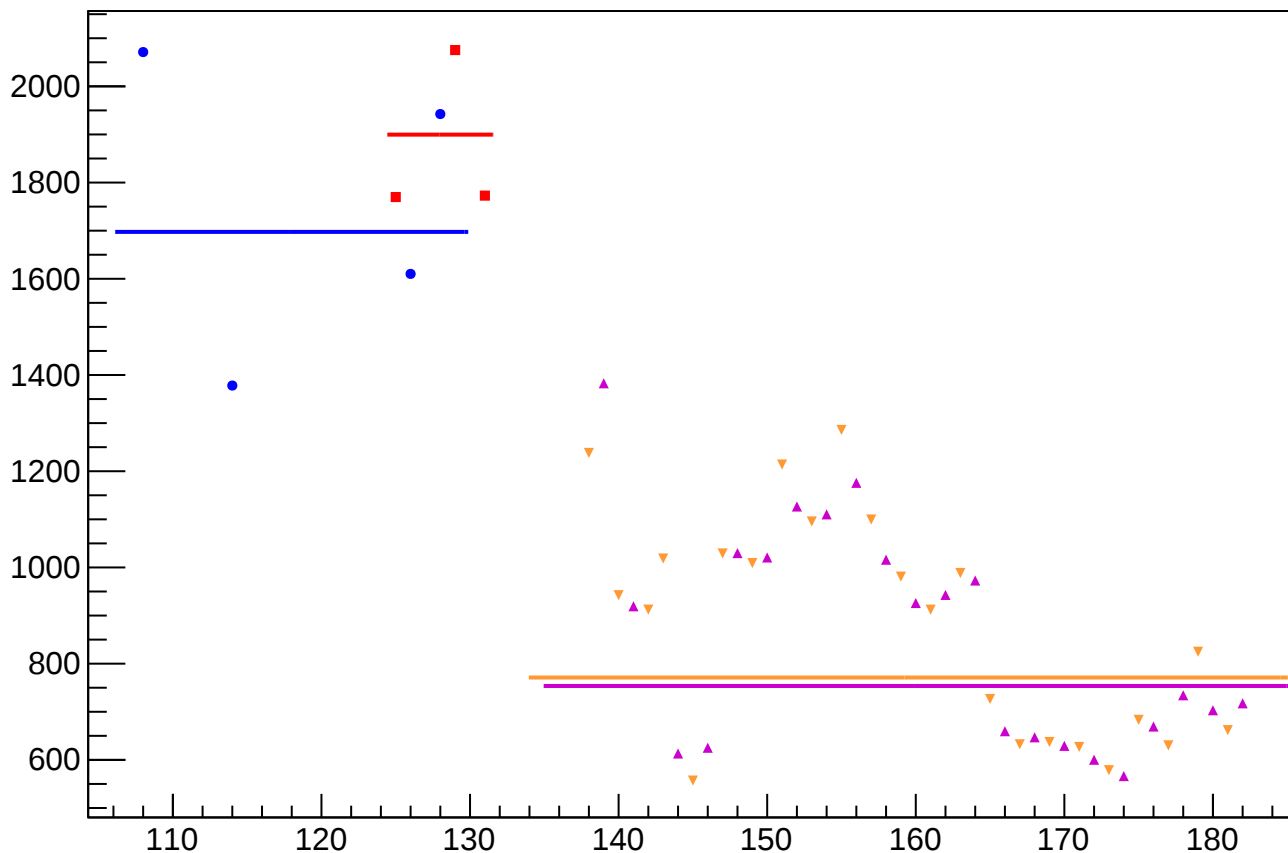
Right: -1935.496 ± 2887.537 $\chi^2/\text{NDF}: 2.3/6$

In: 101.245 ± 187.964 $\chi^2/\text{NDF}: 27.6/25$

Out: -887.612 ± 191.446 $\chi^2/\text{NDF}: 69.6/25$

All: -384.109 ± 134.125 $\chi^2/\text{NDF}: 110.8/51$

asym_sam3_correction_rms vs Slug, Sign Corrected



Right In: 1697.477+/-2.638 χ^2/NDF : 11050.0/3

Left Out: 771.206+/-0.135 χ^2/NDF :2243757.9/22

Right Out: 1899.639+/-3.224 χ^2/NDF : 2170.1/2

Left In: 753.638+/-0.133 χ^2/NDF :2012866.2/21

Left: 762.264+/-0.095 χ^2/NDF : 4265181.5/44

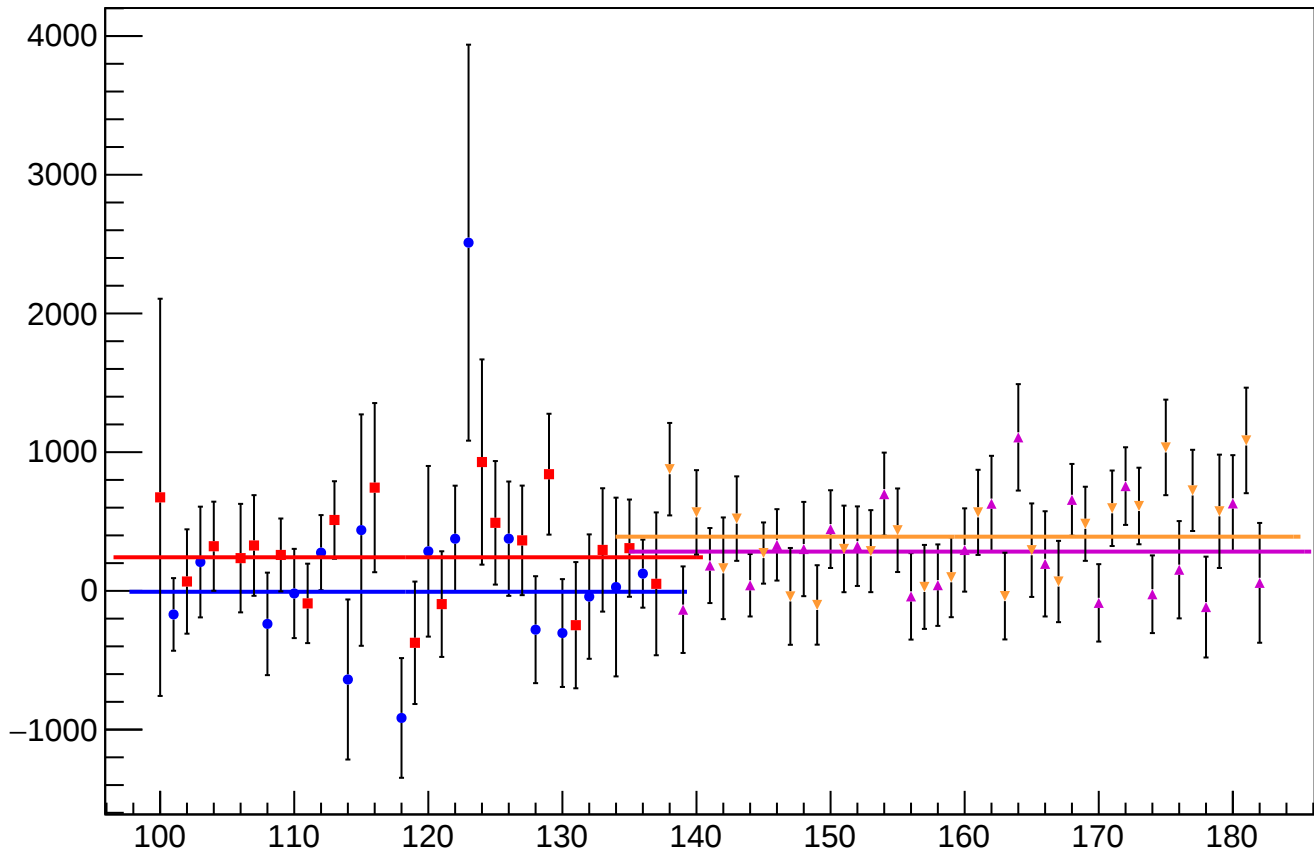
Right: 1778.561+/-2.042 χ^2/NDF : 15574.9/6

In: 756.033+/-0.133 χ^2/NDF :2151569.8/25

Out: 773.196+/-0.135 χ^2/NDF :2368219.4/25

All: 764.457+/-0.095 χ^2/NDF : 4527973.4/51

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -6.497 ± 93.462 χ^2/NDF : 14.7/16

Left Out: 390.746 ± 63.297 χ^2/NDF : 23.6/22

Right Out: 242.246 ± 89.108 χ^2/NDF : 10.6/18

Left In: 283.096 ± 64.385 χ^2/NDF : 23.3/21

Left: 337.838 ± 45.137 χ^2/NDF : 48.4/44

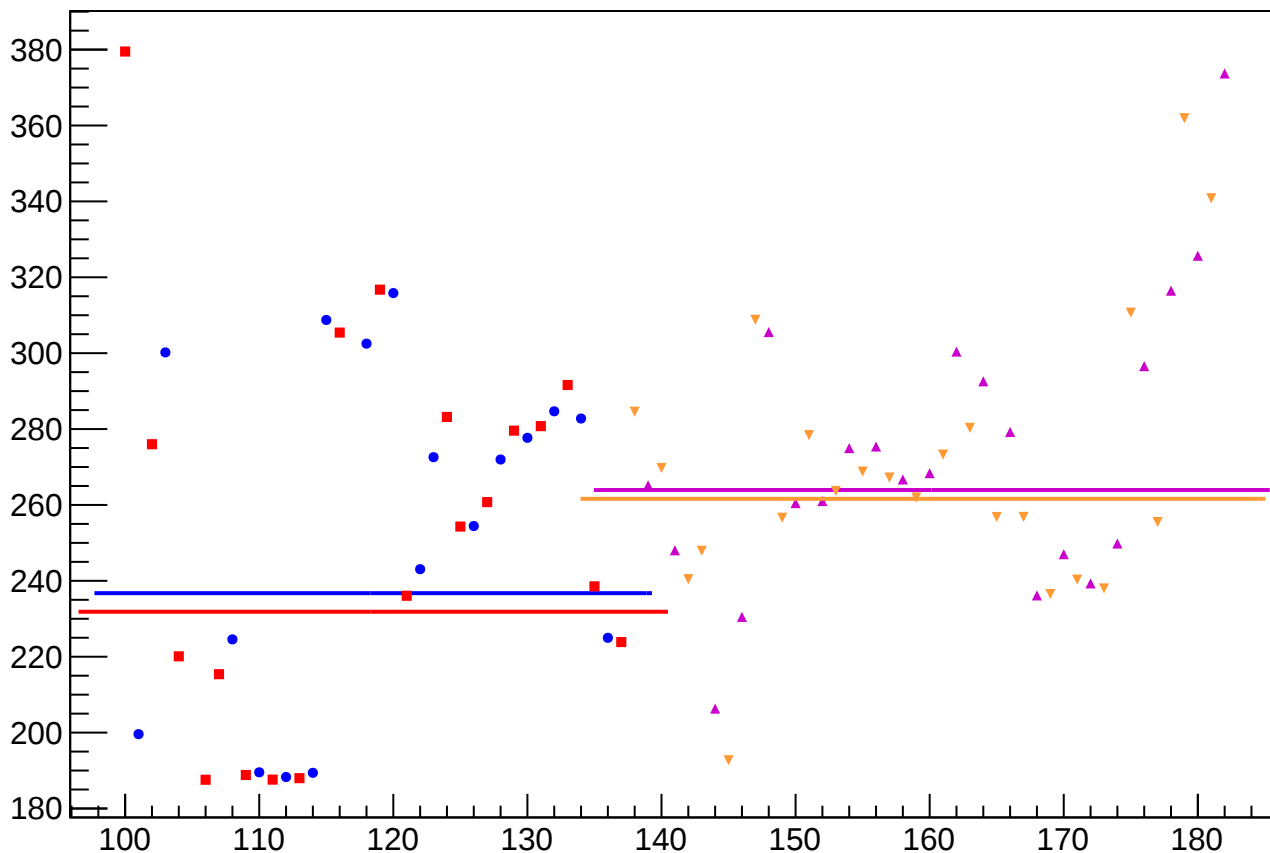
Right: 123.803 ± 64.493 χ^2/NDF : 29.0/35

In: 189.894 ± 53.021 χ^2/NDF : 44.5/38

Out: 340.944 ± 51.603 χ^2/NDF : 36.1/41

All: 267.467 ± 36.980 χ^2/NDF : 84.8/80

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.750+/-0.066 χ^2/NDF : 390018.3/16

Left Out: 261.613+/-0.045 χ^2/NDF : 565741.6/22

Right Out: 231.853+/-0.063 χ^2/NDF : 445120.6/18

Left In: 263.938+/-0.046 χ^2/NDF : 547302.9/21

Left: 262.756+/-0.032 χ^2/NDF : 1114370.5/44

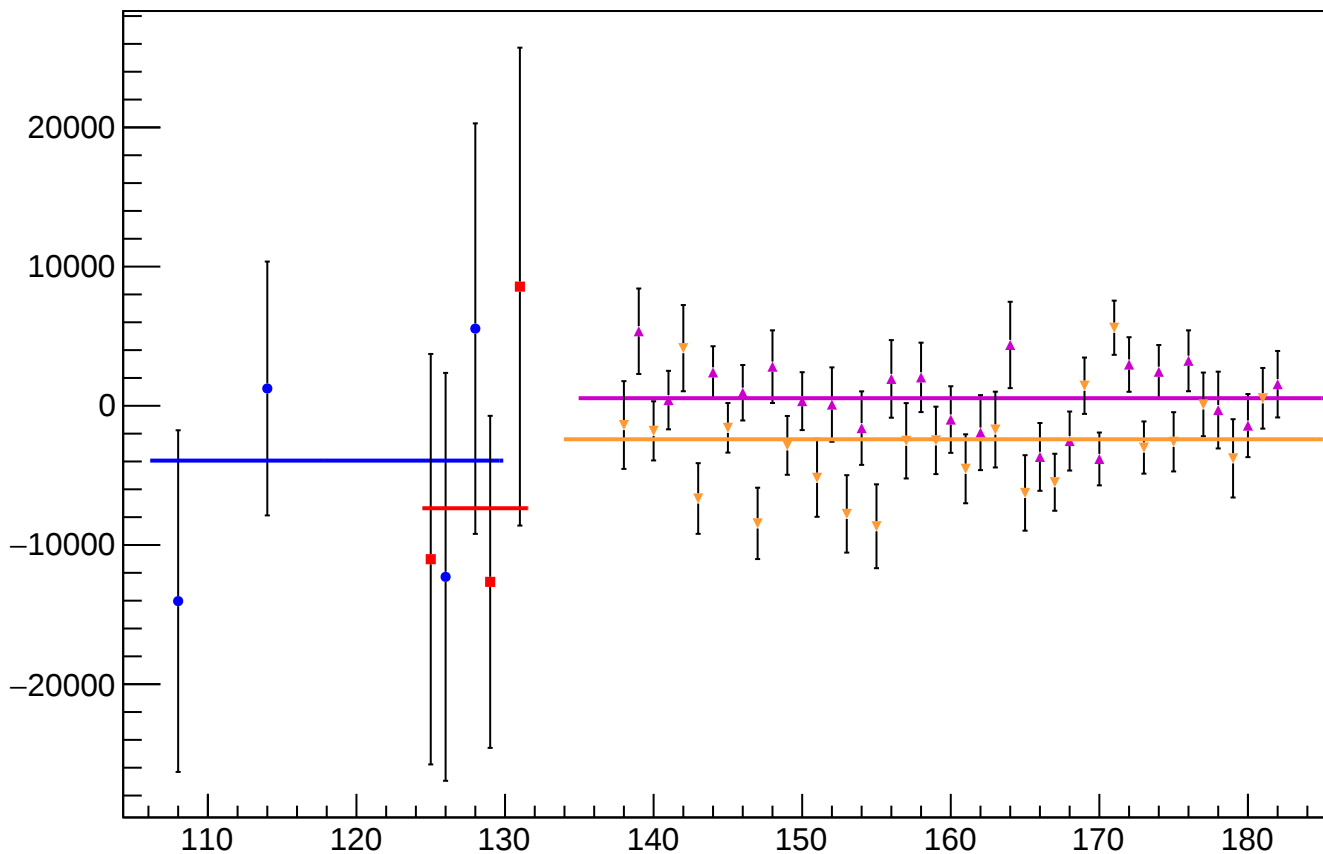
Right: 234.185+/-0.046 χ^2/NDF : 838014.1/35

In: 255.188+/-0.037 χ^2/NDF : 1052103.4/38

Out: 251.633+/-0.036 χ^2/NDF : 1159131.1/41

All: 253.362+/-0.026 χ^2/NDF : 2215851.7/80

asym_sam4_correction_mean vs Slug, Sign Corrected



Right In: -3937.127 $\pm$ 5984.477 χ^2 /NDF: 1.7/3

Left Out: -2405.717 $\pm$ 490.257 χ^2 /NDF:51.3/22

Right Out: -7358.957 $\pm$ 8158.706 χ^2 /NDF: 1.1/2

Left In: 546.451 $\pm$ 491.171 χ^2 /NDF:23.7/21

Left: -932.382 $\pm$ 346.987 χ^2 /NDF: 93.1/44

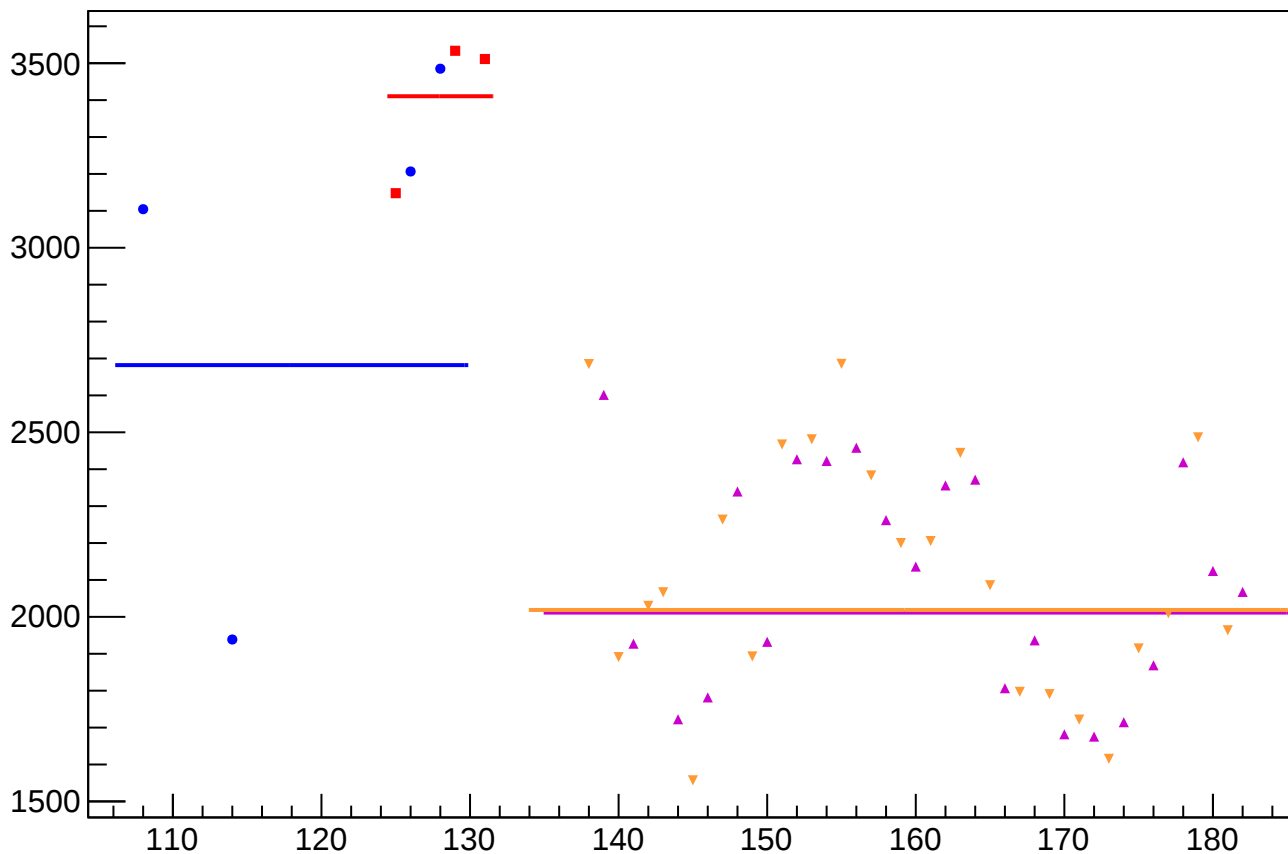
Right: -5134.149 $\pm$ 4825.510 χ^2 /NDF: 3.0/6

In: 516.451 $\pm$ 489.525 χ^2 /NDF:26.0/25

Out: -2423.538 $\pm$ 489.374 χ^2 /NDF:52.8/25

All: -953.996 $\pm$ 346.093 χ^2 /NDF: 96.9/51

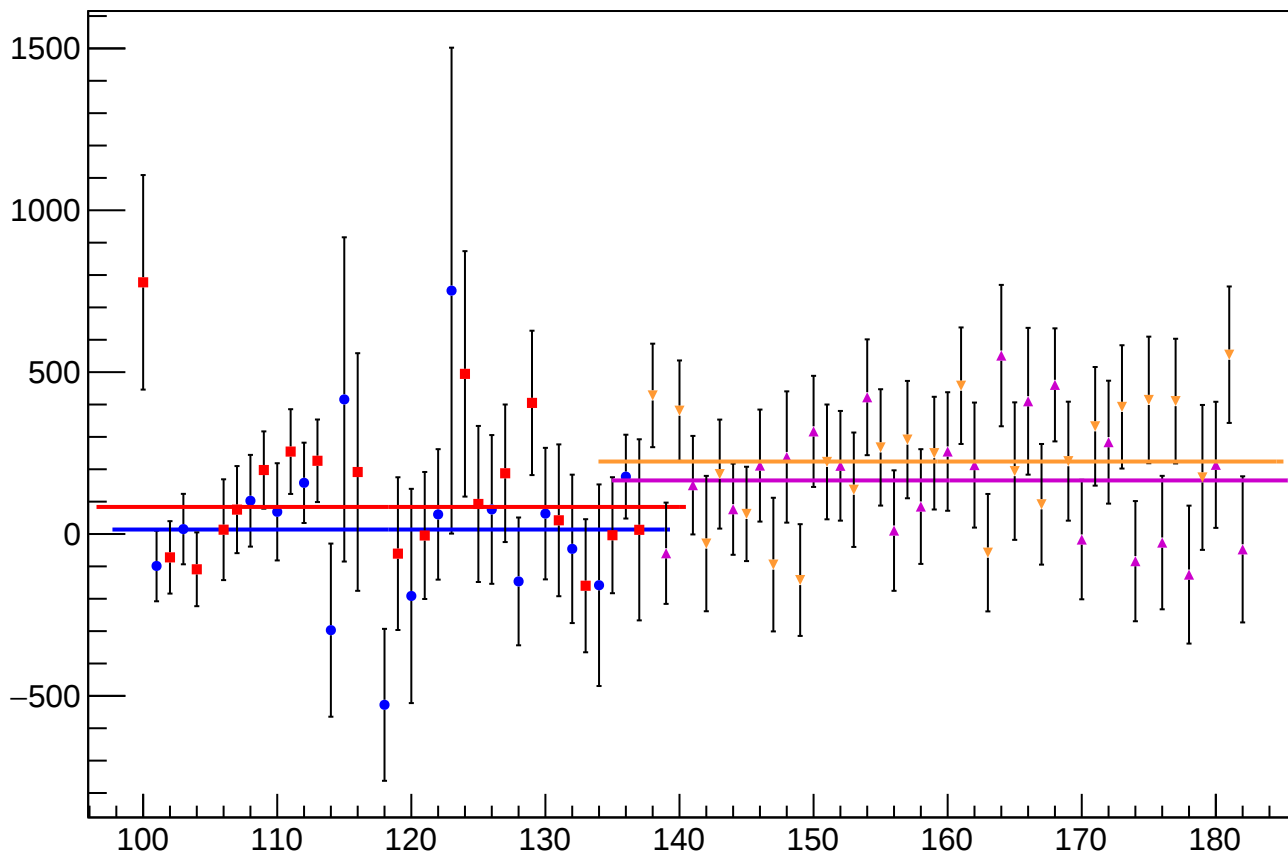
asym_sam4_correction_rms vs Slug, Sign Corrected



Right In: 2682.064 $\pm$ 4.232 χ^2 /NDF: 24157.5/3
 Left Out: 2018.683 $\pm$ 0.347 χ^2 /NDF:819542.7/22
 Right Out: 3410.484 $\pm$ 5.769 χ^2 /NDF: 916.8/2
 Left In: 2011.545 $\pm$ 0.347 χ^2 /NDF:660483.5/21

Left: 2015.121 $\pm$ 0.245 χ^2 /NDF: 1480237.7/44
 Right: 2936.880 $\pm$ 3.412 χ^2 /NDF: 35439.7/6
 In: 2016.032 $\pm$ 0.346 χ^2 /NDF:709580.3/25
 Out: 2023.690 $\pm$ 0.346 χ^2 /NDF:878452.6/25
 All: 2019.862 $\pm$ 0.245 χ^2 /NDF: 1588277.8/51

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 13.853 ± 42.364 $\chi^2/\text{NDF}: 14.4/16$

Left Out: 223.913 ± 37.906 $\chi^2/\text{NDF}: 22.9/22$

Right Out: 83.643 ± 39.037 $\chi^2/\text{NDF}: 19.2/18$

Left In: 165.527 ± 38.911 $\chi^2/\text{NDF}: 20.8/21$

Left: 195.484 ± 27.152 $\chi^2/\text{NDF}: 44.8/44$

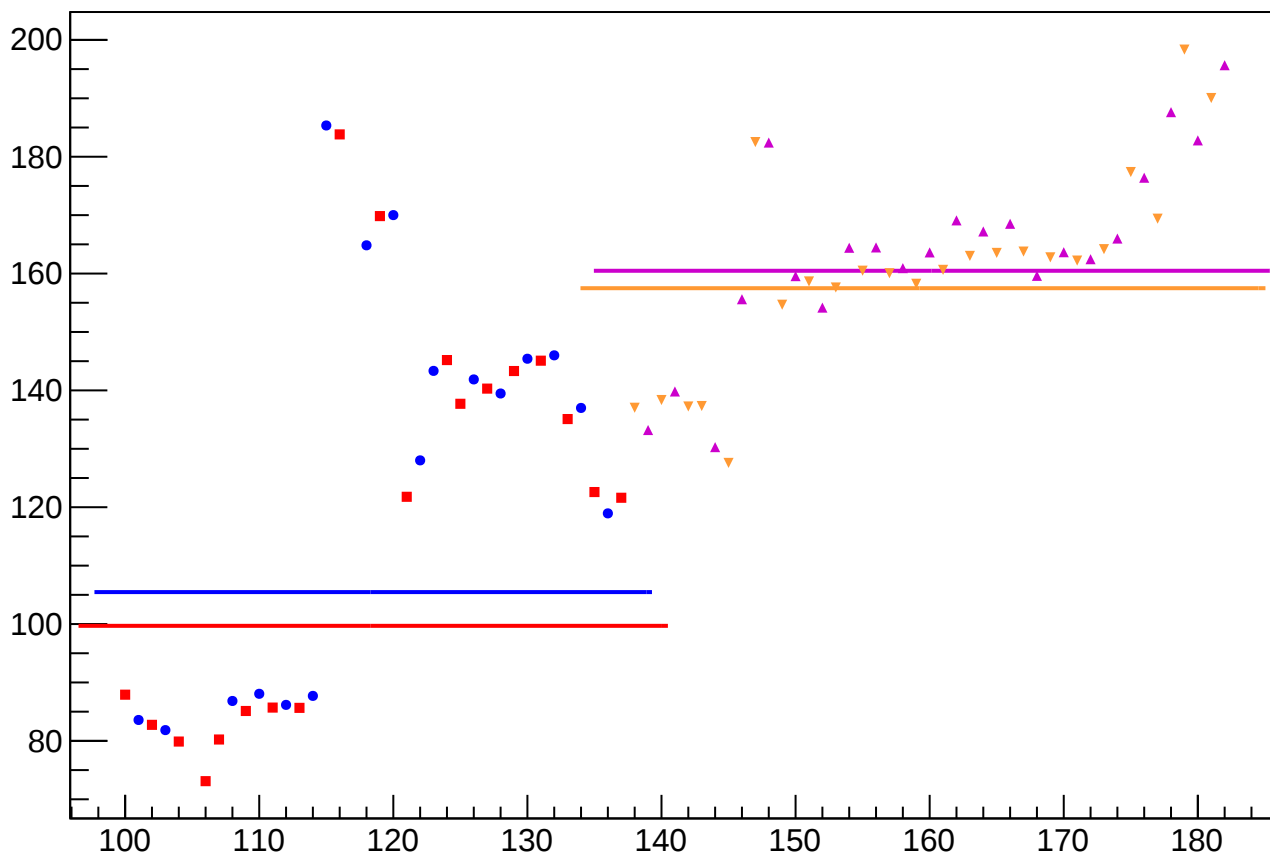
Right: 51.596 ± 28.707 $\chi^2/\text{NDF}: 35.0/35$

In: 96.122 ± 28.657 $\chi^2/\text{NDF}: 42.2/38$

Out: 155.839 ± 27.195 $\chi^2/\text{NDF}: 48.7/41$

All: 127.543 ± 19.726 $\chi^2/\text{NDF}: 93.1/80$

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.470 $\pm$ 0.030 χ^2 /NDF: 870293.2/16

Left Out: 157.493 $\pm$ 0.027 χ^2 /NDF: 380359.3/22

Right Out: 99.695 $\pm$ 0.028 χ^2 /NDF: 1000657.3/18

Left In: 160.477 $\pm$ 0.028 χ^2 /NDF: 350236.0/21

Left: 158.946 $\pm$ 0.019 χ^2 /NDF: 736627.3/44

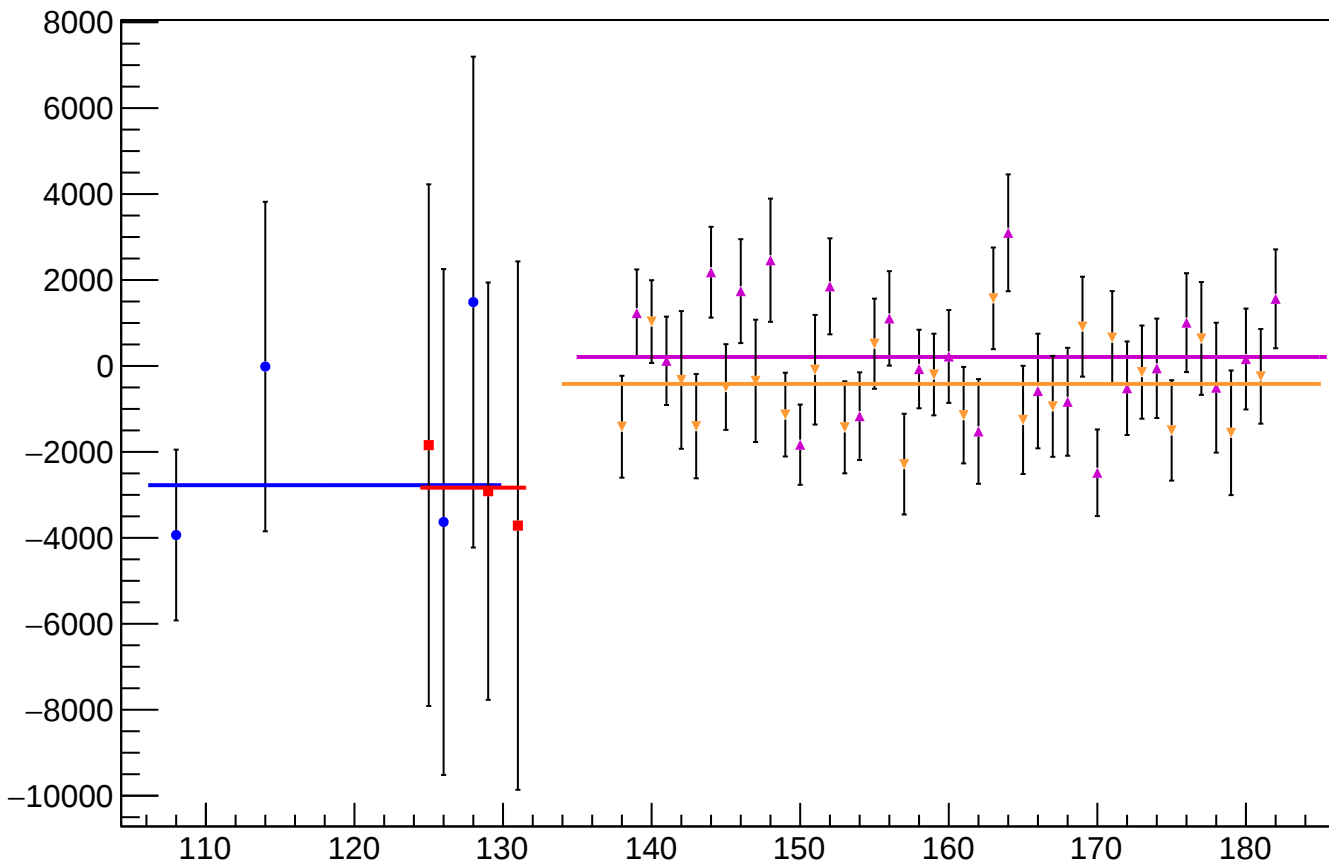
Right: 102.347 $\pm$ 0.020 χ^2 /NDF: 1891054.8/35

In: 135.306 $\pm$ 0.020 χ^2 /NDF: 3049435.8/38

Out: 129.443 $\pm$ 0.019 χ^2 /NDF: 3637663.7/41

All: 132.221 $\pm$ 0.014 χ^2 /NDF: 6731149.3/80

asym_sam5_correction_mean vs Slug, Sign Corrected



Right In: -2774.520 ± 1620.377 $\chi^2/\text{NDF}: 1.4/3$

Left Out: -418.342 ± 238.592 $\chi^2/\text{NDF}: 16.9/22$

Right Out: -2831.759 ± 3227.072 $\chi^2/\text{NDF}: 0.0/2$

Left In: 208.730 ± 239.444 $\chi^2/\text{NDF}: 35.4/21$

Left: -105.923 ± 169.010 $\chi^2/\text{NDF}: 55.8/44$

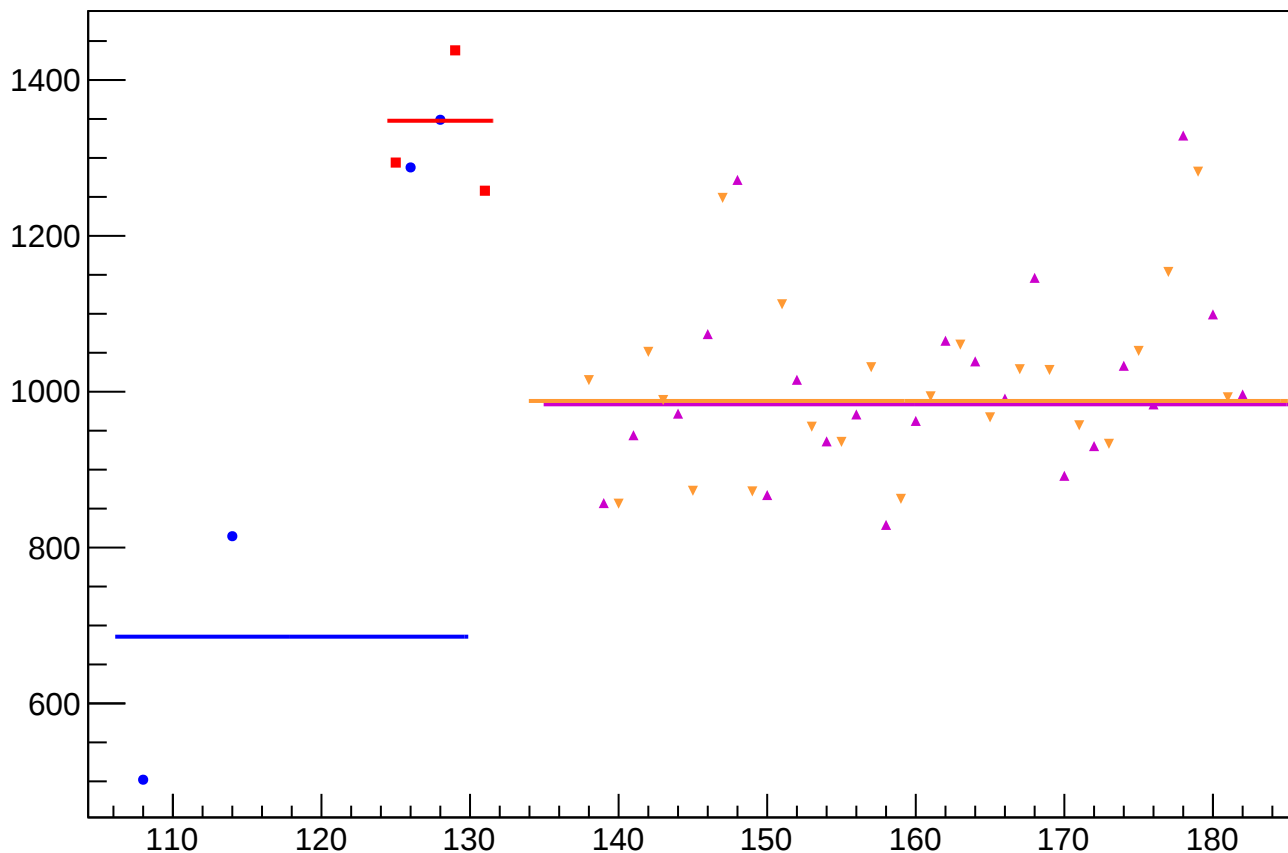
Right: -2786.046 ± 1448.080 $\chi^2/\text{NDF}: 1.5/6$

In: 144.980 ± 236.872 $\chi^2/\text{NDF}: 40.2/25$

Out: -431.463 ± 237.943 $\chi^2/\text{NDF}: 17.5/25$

All: -141.941 ± 167.871 $\chi^2/\text{NDF}: 60.7/51$

asym_sam5_correction_rms vs Slug, Sign Corrected



Right In: 685.658 $\pm$ 1.146 χ^2 /NDF: 67240.3/3

Left Out: 988.139 $\pm$ 0.169 χ^2 /NDF: 367124.1/22

Right Out: 1347.722 $\pm$ 2.282 χ^2 /NDF: 1275.5/2

Left In: 983.832 $\pm$ 0.169 χ^2 /NDF: 416257.7/21

Left: 985.993 $\pm$ 0.120 χ^2 /NDF: 783706.7/44

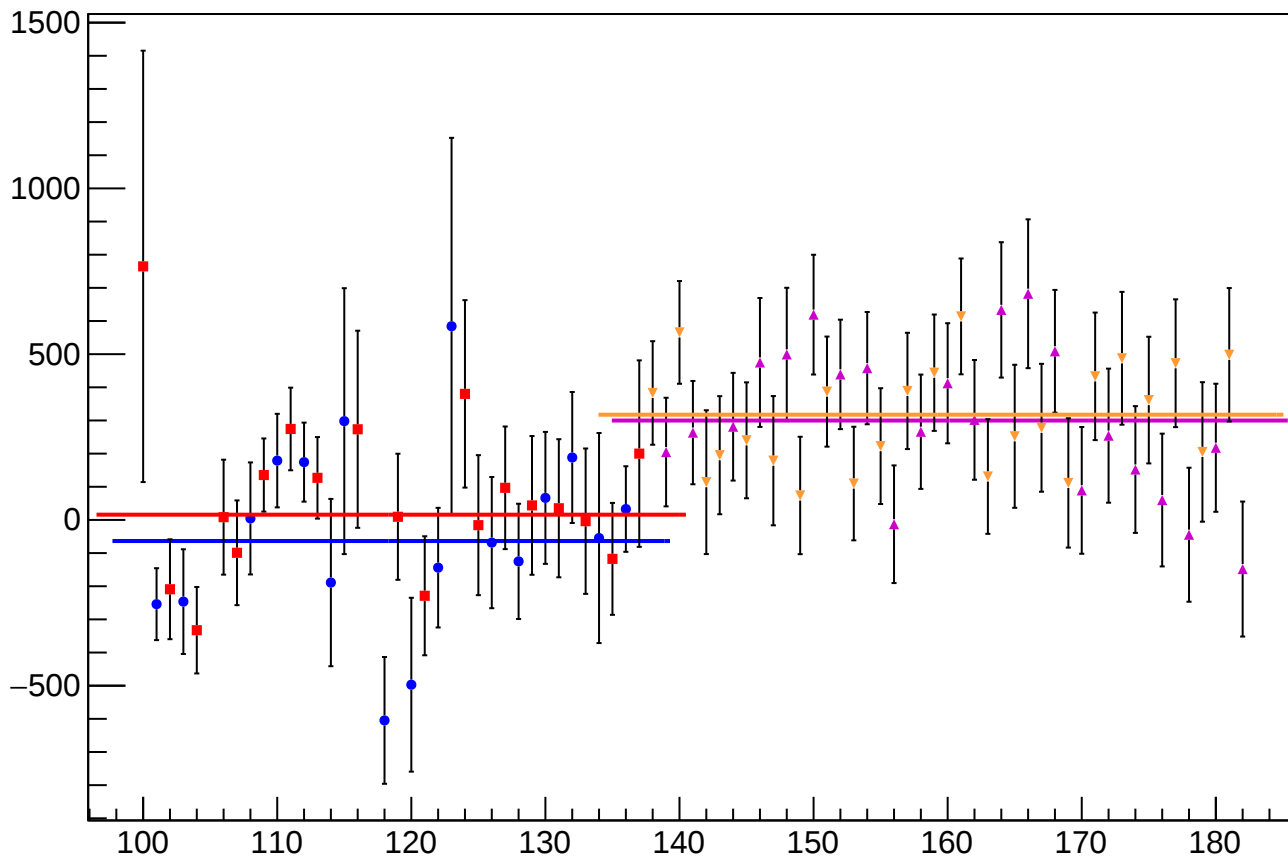
Right: 818.969 $\pm$ 1.024 χ^2 /NDF: 135746.2/6

In: 977.460 $\pm$ 0.167 χ^2 /NDF: 549774.0/25

Out: 990.094 $\pm$ 0.168 χ^2 /NDF: 393096.5/25

All: 983.748 $\pm$ 0.119 χ^2 /NDF: 945702.7/51

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -63.627 ± 42.336 $\chi^2/\text{NDF}: 27.6/16$

Left Out: 317.403 ± 38.100 $\chi^2/\text{NDF}: 17.5/22$

Right Out: 15.859 ± 39.532 $\chi^2/\text{NDF}: 23.1/18$

Left In: 299.802 ± 39.256 $\chi^2/\text{NDF}: 28.5/21$

Left: 308.865 ± 27.340 $\chi^2/\text{NDF}: 46.1/44$

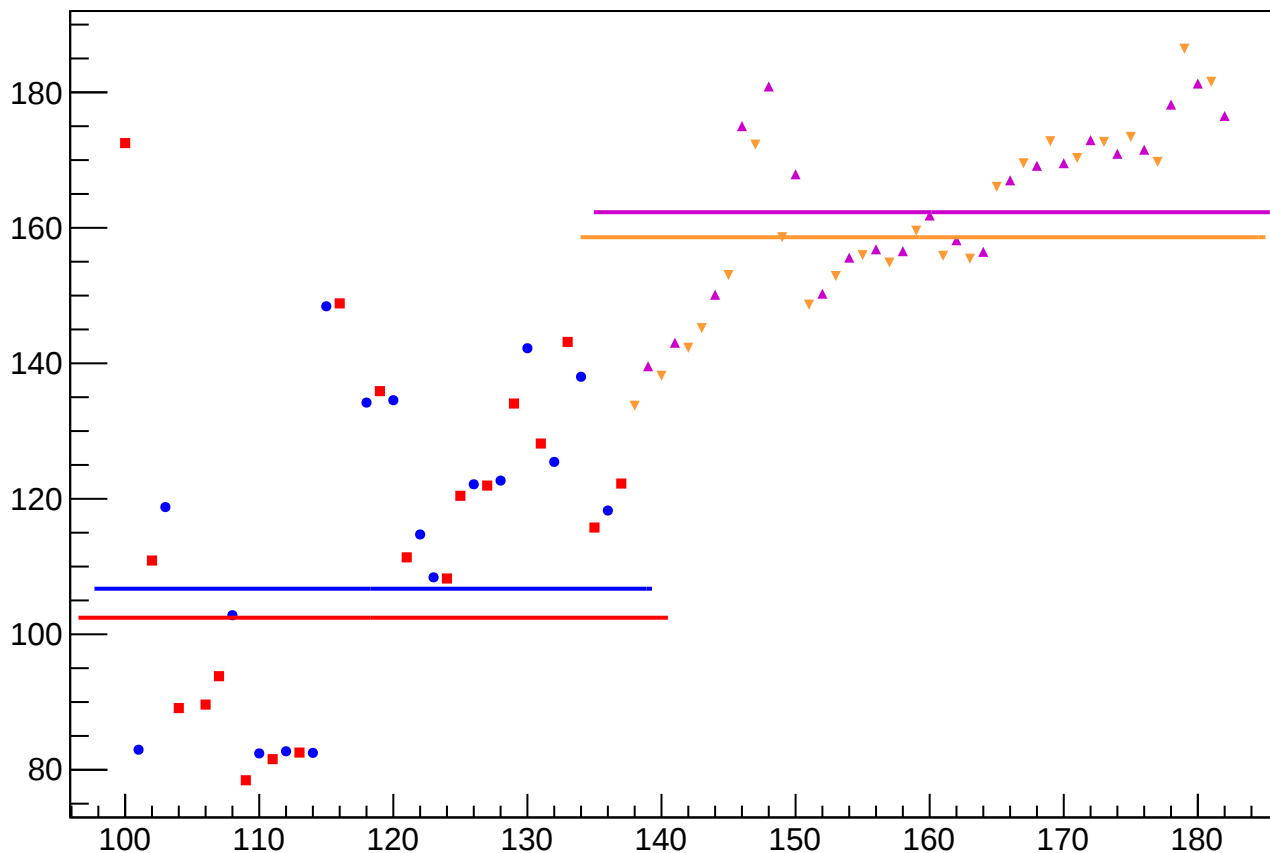
Right: -21.165 ± 28.894 $\chi^2/\text{NDF}: 52.5/35$

In: 131.787 ± 28.786 $\chi^2/\text{NDF}: 95.7/38$

Out: 172.191 ± 27.433 $\chi^2/\text{NDF}: 70.7/41$

All: 152.960 ± 19.859 $\chi^2/\text{NDF}: 167.5/80$

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.733 $\pm$ 0.030 χ^2 /NDF: 503149.3/16

Left Out: 158.612 $\pm$ 0.027 χ^2 /NDF: 248388.9/22

Right Out: 102.452 $\pm$ 0.028 χ^2 /NDF: 591027.5/18

Left In: 162.307 $\pm$ 0.028 χ^2 /NDF: 190236.6/21

Left: 160.404 $\pm$ 0.019 χ^2 /NDF: 447746.9/44

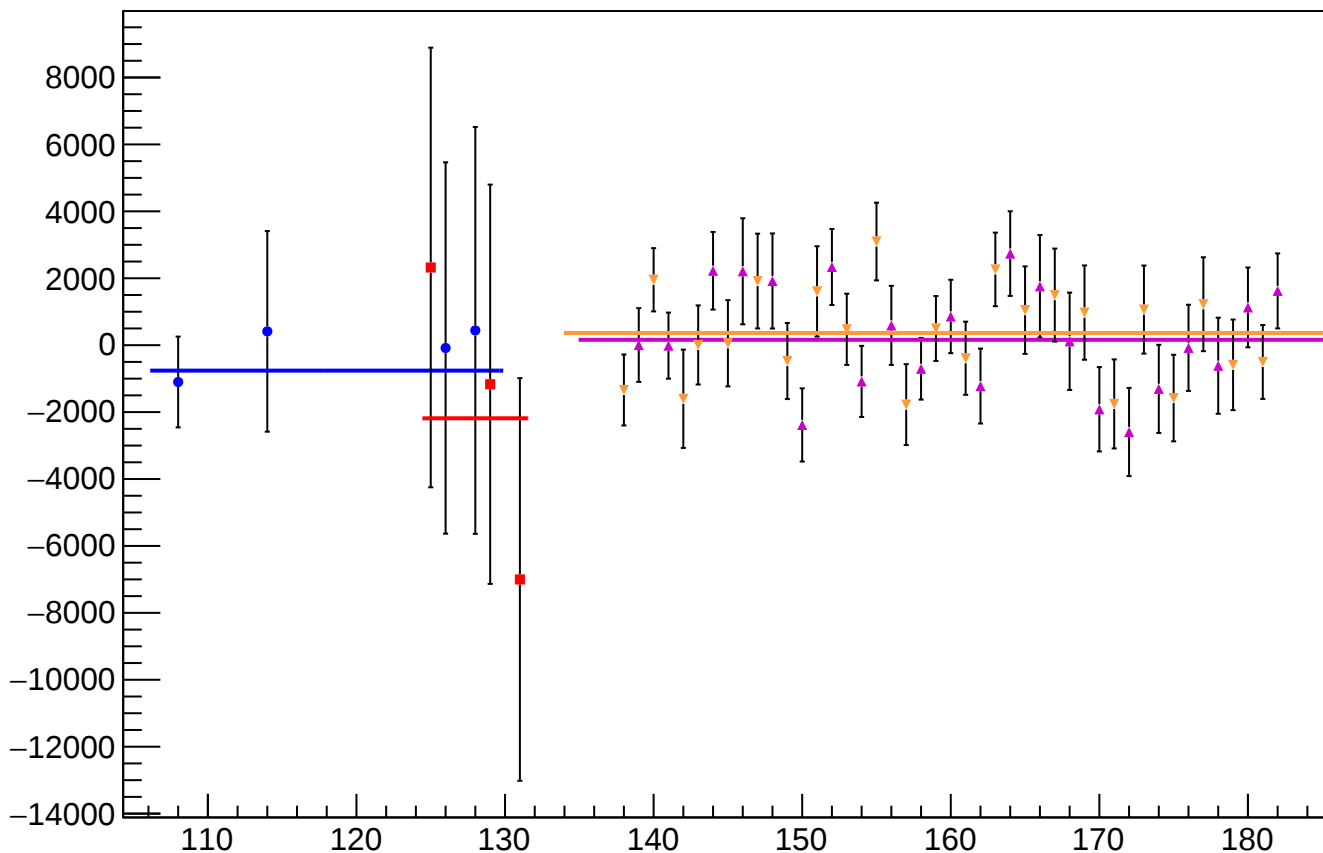
Right: 104.446 $\pm$ 0.020 χ^2 /NDF: 1105106.2/35

In: 136.615 $\pm$ 0.020 χ^2 /NDF: 2546376.5/38

Out: 131.567 $\pm$ 0.019 χ^2 /NDF: 2932063.2/41

All: 133.970 $\pm$ 0.014 χ^2 /NDF: 5510664.2/80

asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: -760.095+/-1183.340 χ^2/NDF : 0.3/3

Left Out: 365.087+/-251.046 χ^2/NDF :29.8/22

Right Out: -2184.893+/-3560.609 χ^2/NDF : 1.1/2

Left In: 160.461+/-254.834 χ^2/NDF :36.1/21

Left: 264.306+/-178.840 χ^2/NDF : 66.2/44

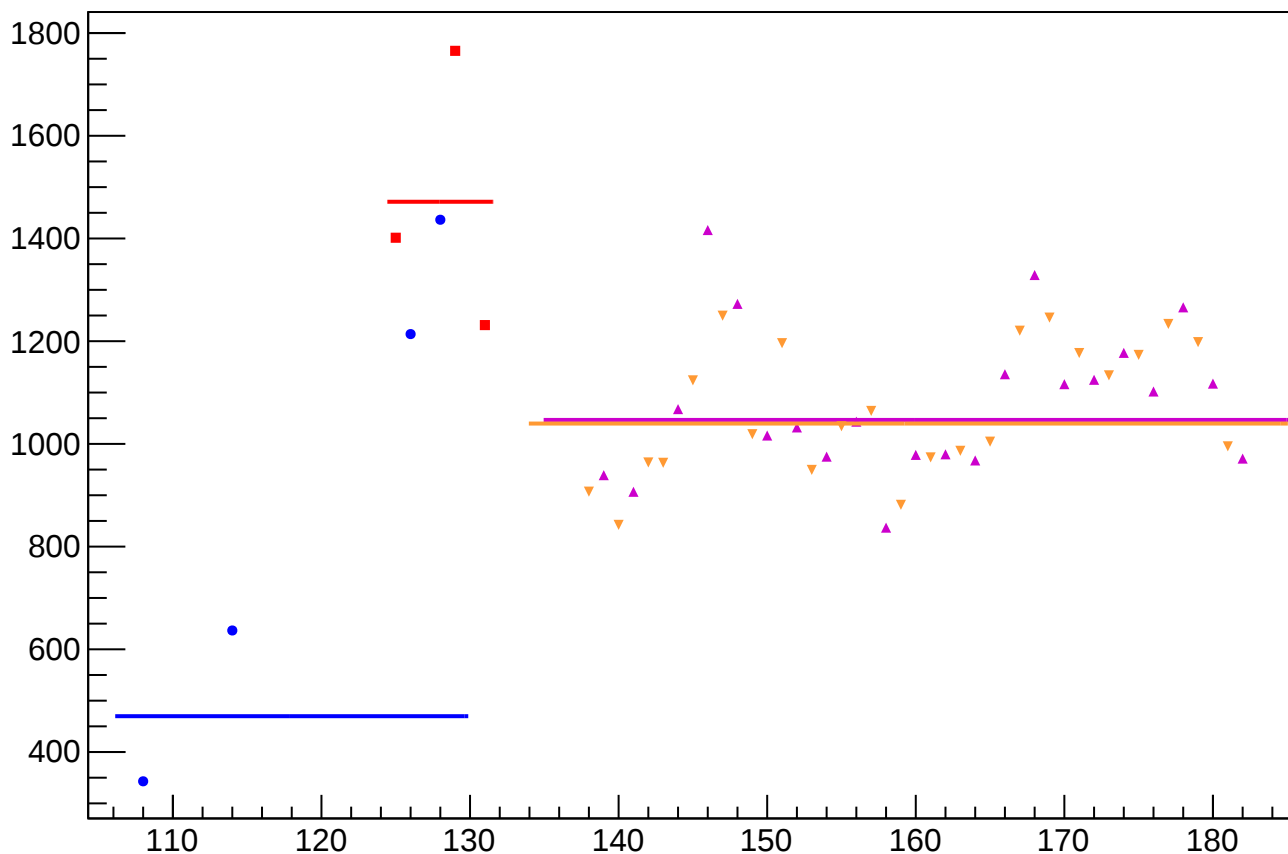
Right: -901.813+/-1122.948 χ^2/NDF : 1.6/6

In: 119.661+/-249.123 χ^2/NDF :36.9/25

Out: 352.474+/-250.424 χ^2/NDF :31.5/25

All: 235.460+/-176.615 χ^2/NDF : 68.8/51

asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 469.775 $\pm$ 0.837 χ^2 /NDF: 110192.0/3

Left Out: 1039.607 $\pm$ 0.178 χ^2 /NDF:492451.9/22

Right Out: 1471.512 $\pm$ 2.518 χ^2 /NDF: 8264.7/2

Left In: 1046.674 $\pm$ 0.180 χ^2 /NDF:537620.4/21

Left: 1043.088 $\pm$ 0.126 χ^2 /NDF: 1030853.0/44

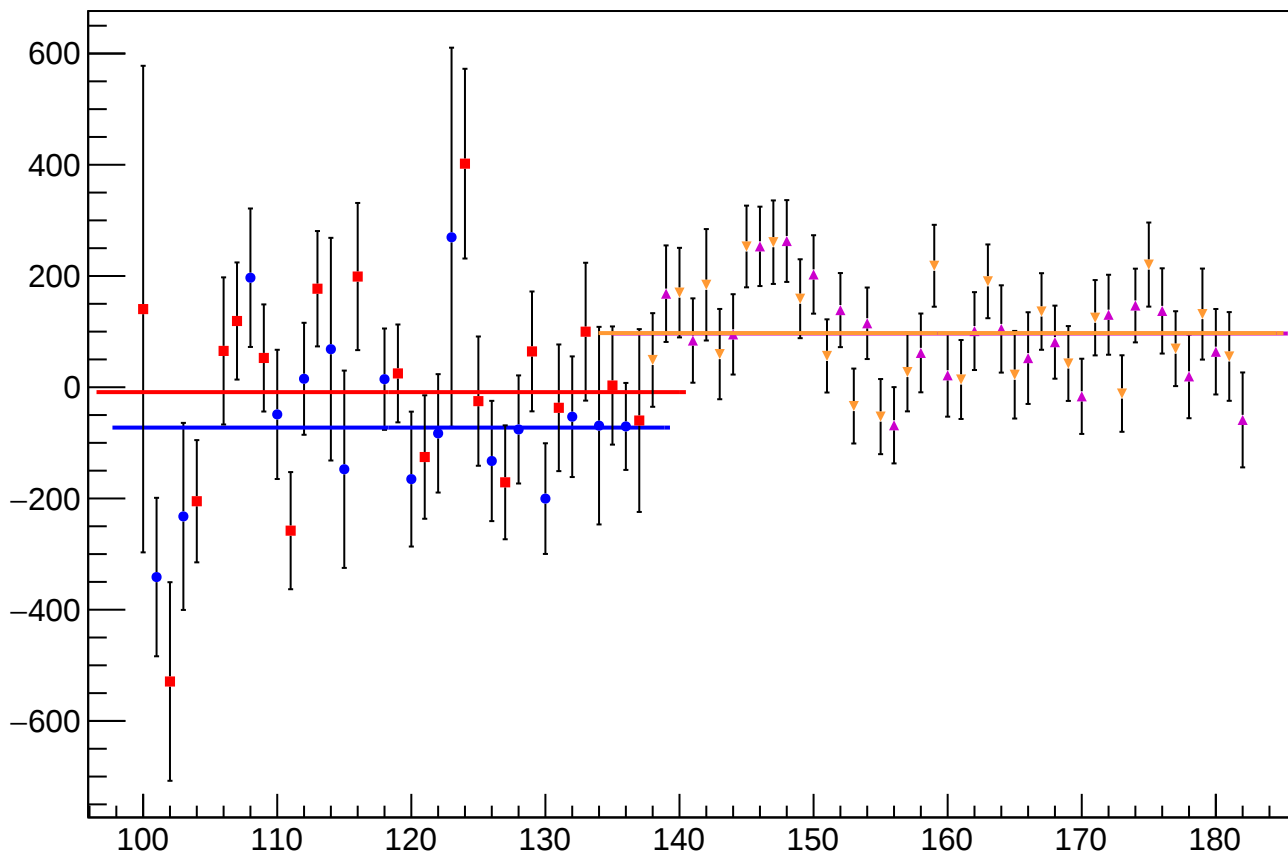
Right: 569.413 $\pm$ 0.794 χ^2 /NDF: 261013.9/6

In: 1021.106 $\pm$ 0.176 χ^2 /NDF:1102091.6/25

Out: 1041.743 $\pm$ 0.177 χ^2 /NDF:529998.9/25

All: 1031.371 $\pm$ 0.125 χ^2 /NDF: 1638917.3/51

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -72.547 ± 28.434 χ^2/NDF : 15.1/16

Left Out: 97.365 ± 15.226 χ^2/NDF : 36.1/22

Right Out: -8.790 ± 26.889 χ^2/NDF : 36.2/18

Left In: 96.598 ± 15.468 χ^2/NDF : 29.2/21

Left: 96.988 ± 10.851 χ^2/NDF : 65.3/44

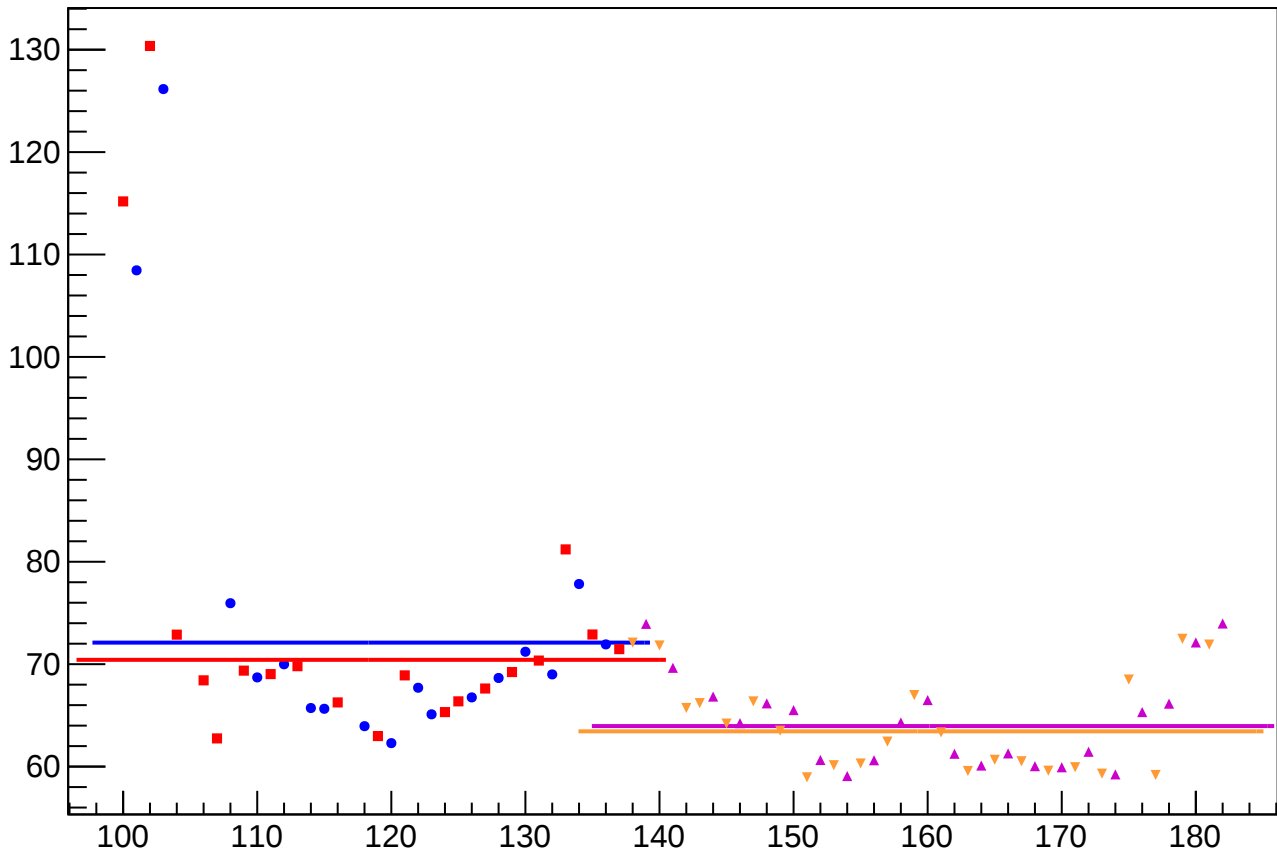
Right: -38.889 ± 19.537 χ^2/NDF : 54.0/35

In: 57.973 ± 13.588 χ^2/NDF : 71.6/38

Out: 71.593 ± 13.249 χ^2/NDF : 84.1/41

All: 64.955 ± 9.486 χ^2/NDF : 156.3/80

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.106 $\pm$ 0.020 χ^2 /NDF: 390789.8/16

Left Out: 63.444 $\pm$ 0.011 χ^2 /NDF:168852.6/22

Right Out: 70.425 $\pm$ 0.019 χ^2 /NDF: 298038.7/18

Left In: 63.956 $\pm$ 0.011 χ^2 /NDF:156400.0/21

Left: 63.696 $\pm$ 0.008 χ^2 /NDF: 326369.1/44

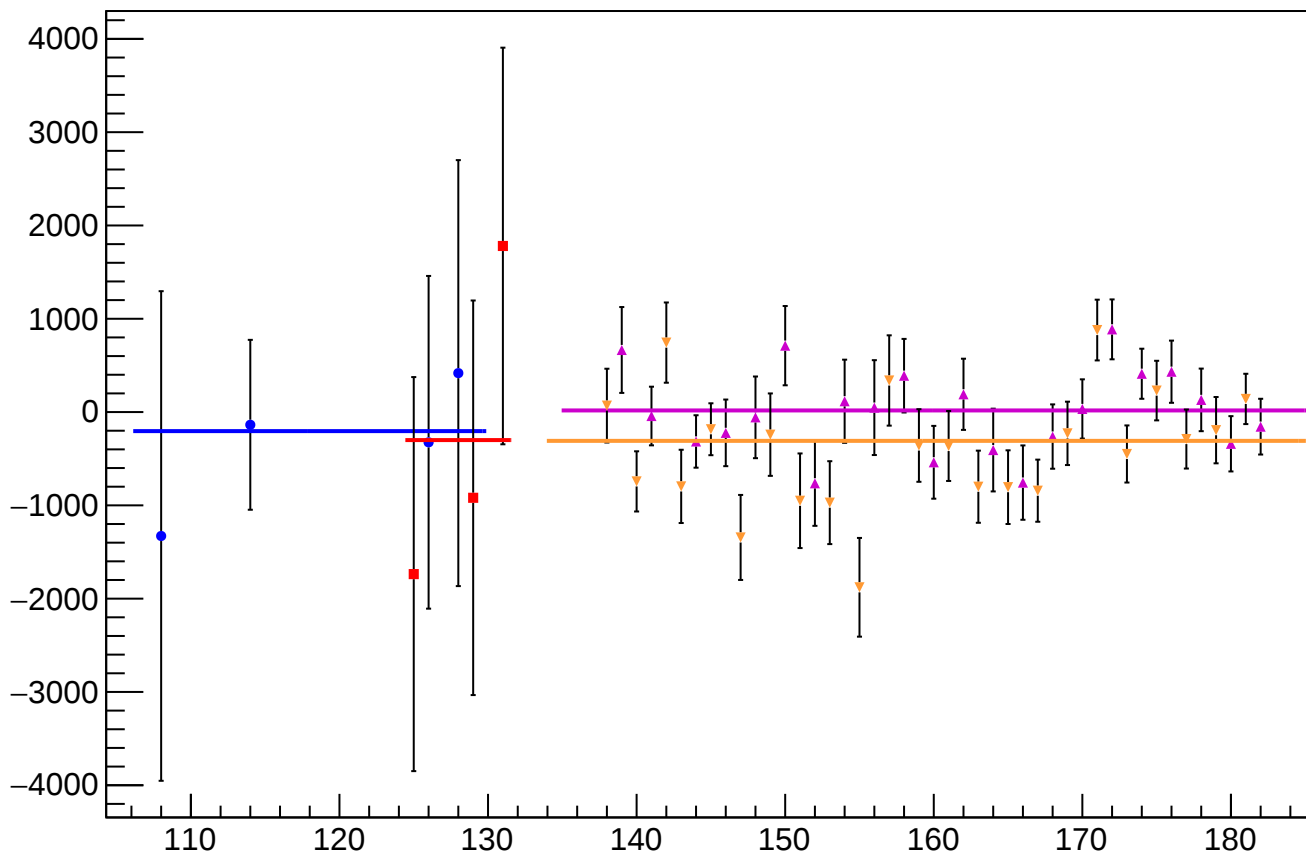
Right: 71.218 $\pm$ 0.014 χ^2 /NDF: 692521.7/35

In: 65.817 $\pm$ 0.010 χ^2 /NDF:673974.3/38

Out: 65.138 $\pm$ 0.009 χ^2 /NDF:568969.4/41

All: 65.469 $\pm$ 0.007 χ^2 /NDF: 1245504.2/80

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: -204.257 ± 733.668 $\chi^2/\text{NDF}: 0.3/3$

Left Out: -308.691 ± 75.885 $\chi^2/\text{NDF}: 55.2/22$

Right Out: -300.330 ± 1222.458 $\chi^2/\text{NDF}: 1.5/2$

Left In: 17.389 ± 75.929 $\chi^2/\text{NDF}: 31.0/21$

Left: -145.746 ± 53.674 $\chi^2/\text{NDF}: 95.4/44$

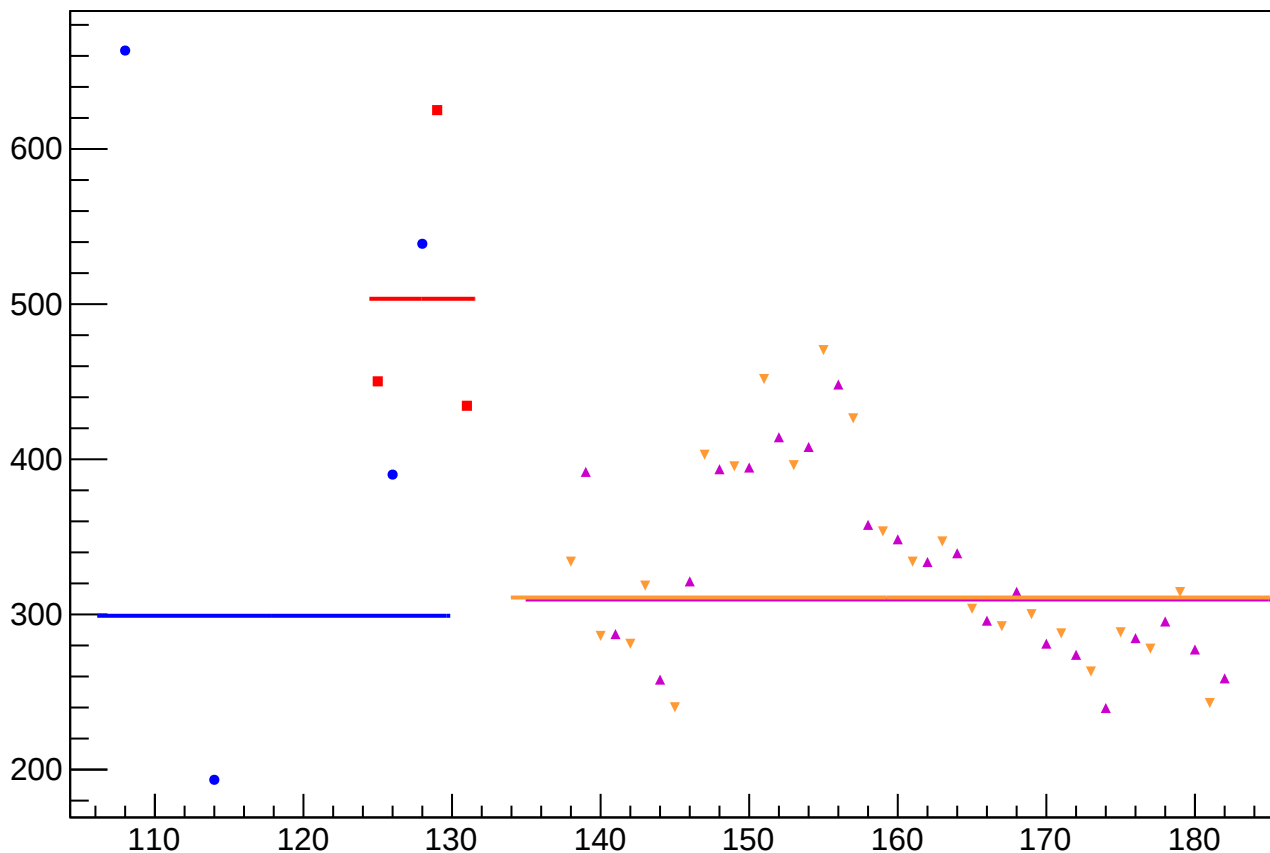
Right: -229.698 ± 629.071 $\chi^2/\text{NDF}: 1.8/6$

In: 15.040 ± 75.526 $\chi^2/\text{NDF}: 31.3/25$

Out: -308.658 ± 75.739 $\chi^2/\text{NDF}: 56.7/25$

All: -146.352 ± 53.480 $\chi^2/\text{NDF}: 97.2/51$

asym_sam7_correction_rms vs Slug, Sign Corrected



Right In: 299.143+/-0.519 χ^2/NDF : 92782.9/3

Left Out: 310.910+/-0.054 χ^2/NDF :1112119.3/22

Right Out: 503.459+/-0.864 χ^2/NDF : 9987.6/2

Left In: 309.614+/-0.054 χ^2/NDF :990591.7/21

Left: 310.263+/-0.038 χ^2/NDF : 2103002.3/44

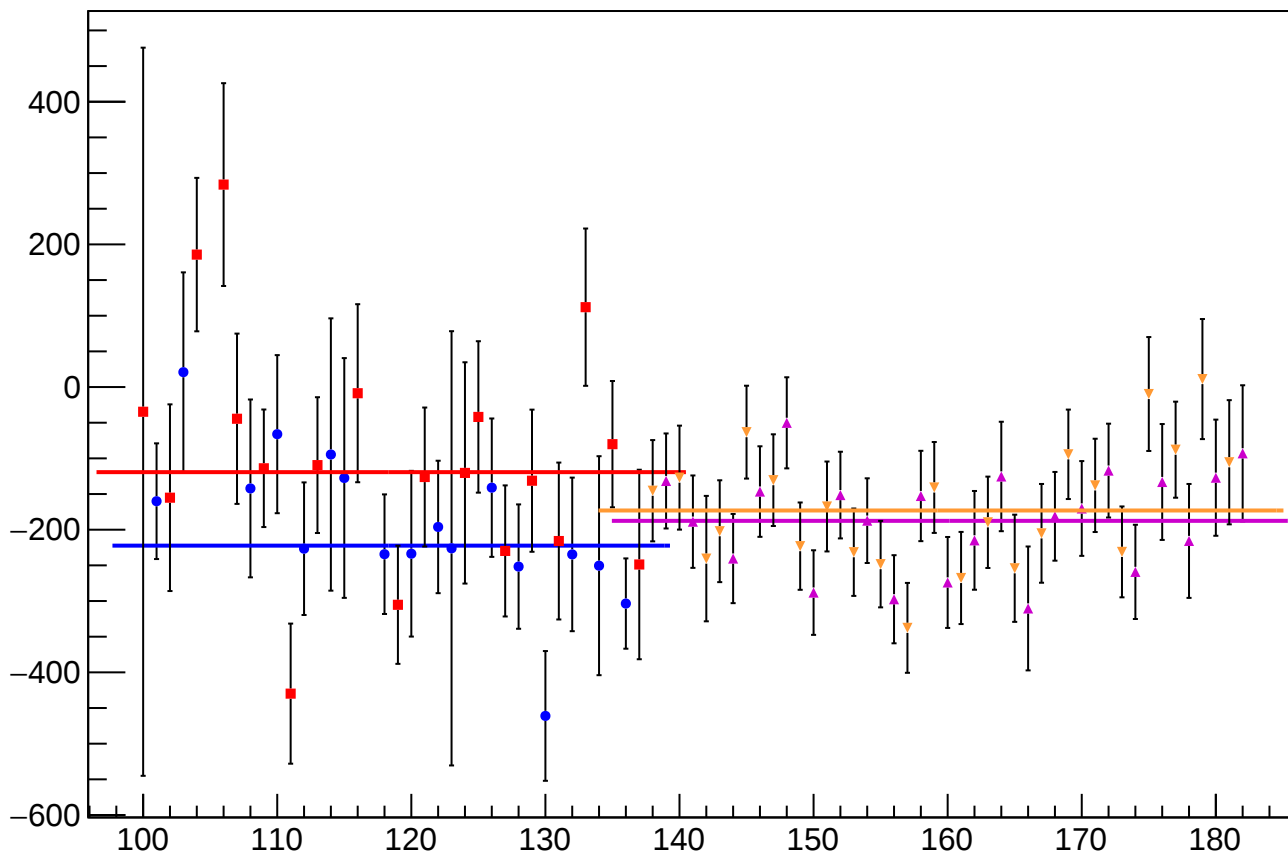
Right: 353.248+/-0.445 χ^2/NDF : 143844.4/6

In: 309.503+/-0.053 χ^2/NDF :1083777.8/25

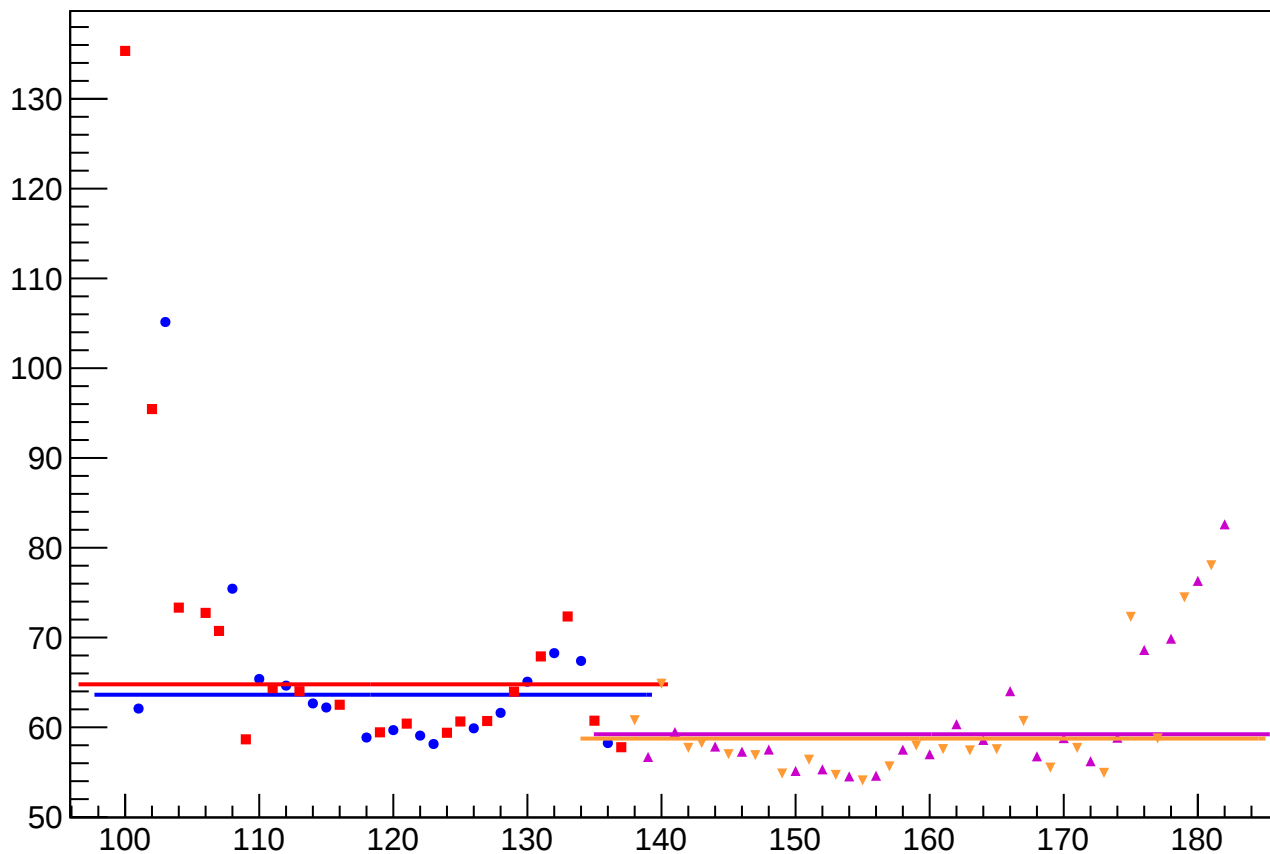
Out: 311.649+/-0.054 χ^2/NDF :1171535.0/25

All: 310.573+/-0.038 χ^2/NDF : 2256117.5/51

reg_asym_sam8_mean vs Slug, Sign Corrected



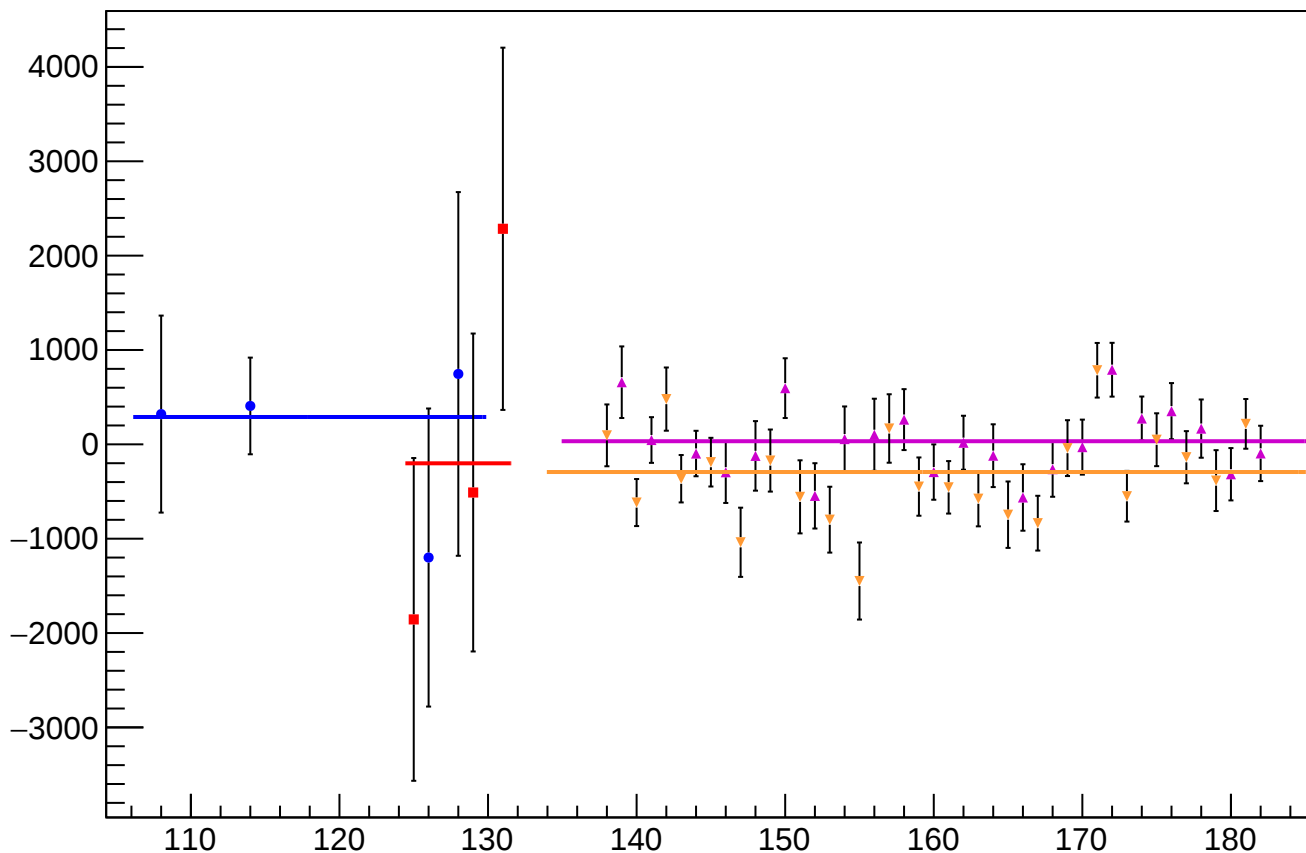
reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.629 ± 0.018 $\chi^2/\text{NDF}: 233899.4/16$
 Left Out: 58.744 ± 0.010 $\chi^2/\text{NDF}: 298065.1/22$
 Right Out: 64.787 ± 0.017 $\chi^2/\text{NDF}: 226379.1/18$
 Left In: 59.224 ± 0.010 $\chi^2/\text{NDF}: 337091.2/21$

Left: 58.980 ± 0.007 $\chi^2/\text{NDF}: 636289.7/44$
 Right: 64.214 ± 0.012 $\chi^2/\text{NDF}: 462460.8/35$
 In: 60.323 ± 0.009 $\chi^2/\text{NDF}: 617800.2/38$
 Out: 60.239 ± 0.009 $\chi^2/\text{NDF}: 614801.2/41$
 All: 60.281 ± 0.006 $\chi^2/\text{NDF}: 1232647.6/80$

asym_sam8_correction_mean vs Slug, Sign Corrected



Right In: 289.832 $\pm$ 430.437 χ^2 /NDF: 1.0/3

Left Out: -293.296 $\pm$ 62.952 χ^2 /NDF:52.9/22

Right Out: -201.085 $\pm$ 1017.740 χ^2 /NDF: 2.6/2

Left In: 33.066 $\pm$ 64.194 χ^2 /NDF:27.4/21

Left: -133.303 $\pm$ 44.946 χ^2 /NDF: 93.4/44

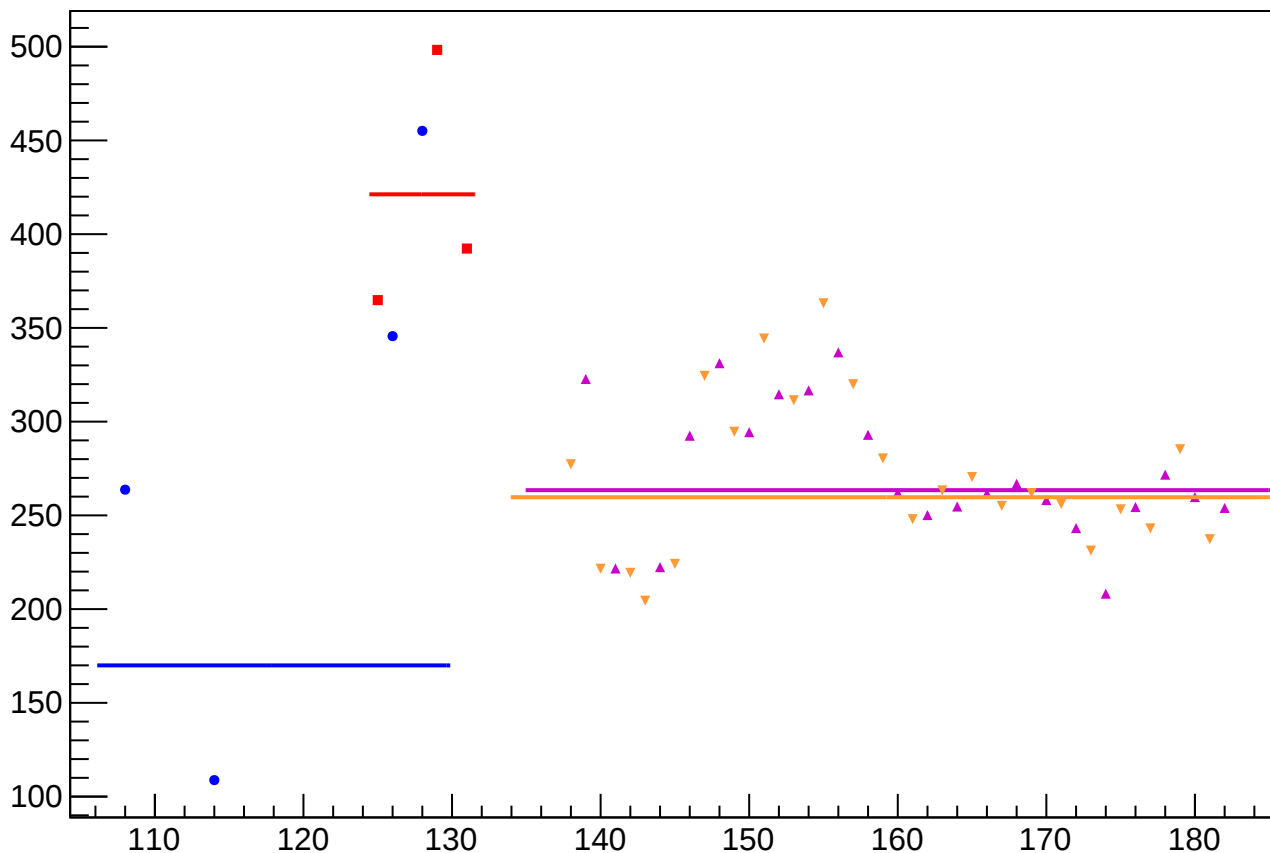
Right: 215.344 $\pm$ 396.439 χ^2 /NDF: 3.8/6

In: 38.653 $\pm$ 63.492 χ^2 /NDF:28.7/25

Out: -292.945 $\pm$ 62.832 χ^2 /NDF:55.6/25

All: -128.879 $\pm$ 44.660 χ^2 /NDF: 98.1/51

asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 169.977 $\pm$ 0.304 χ^2 /NDF: 113149.8/3

Left Out: 259.694 $\pm$ 0.045 χ^2 /NDF:697461.7/22

Right Out: 421.246 $\pm$ 0.720 χ^2 /NDF: 6812.8/2

Left In: 263.456 $\pm$ 0.045 χ^2 /NDF:585499.5/21

Left: 261.538 $\pm$ 0.032 χ^2 /NDF: 1286462.5/44

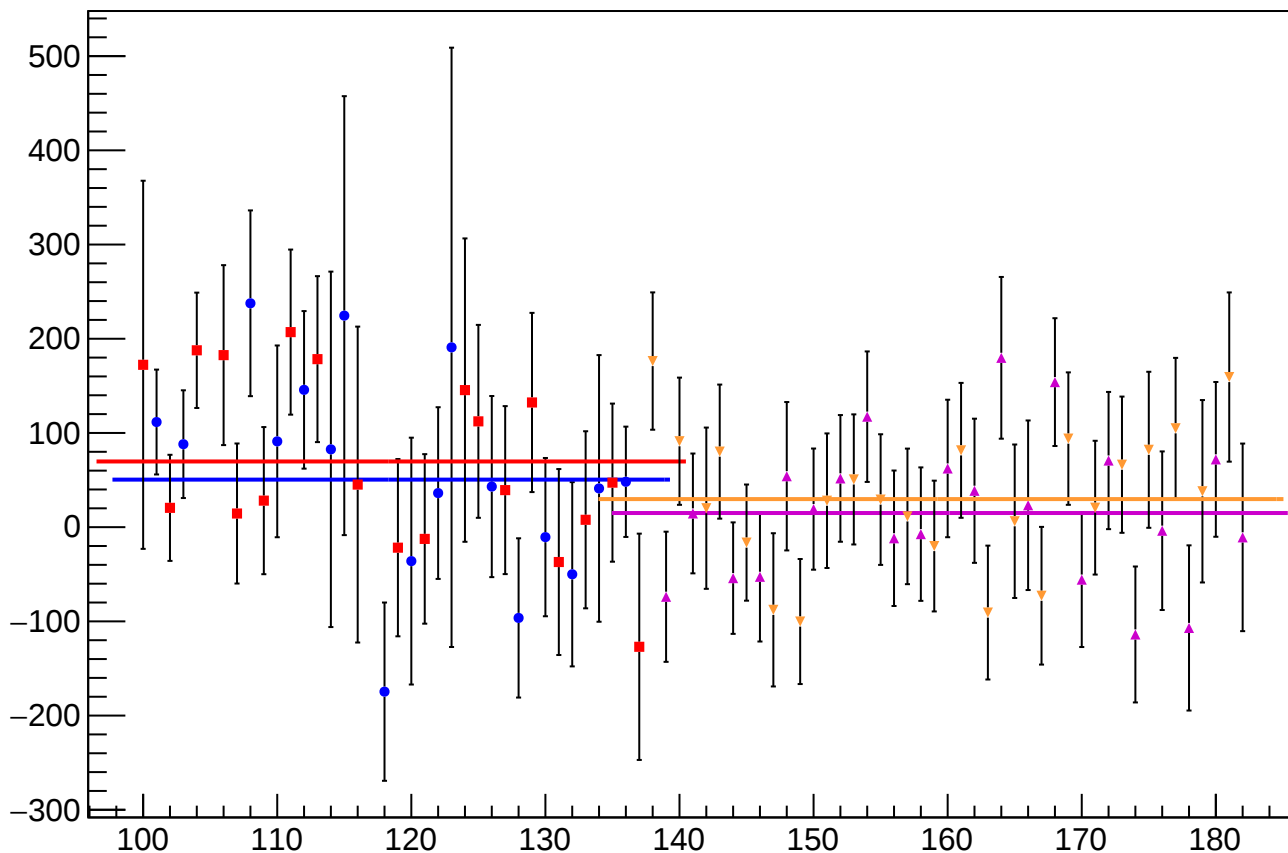
Right: 208.103 $\pm$ 0.280 χ^2 /NDF: 223373.2/6

In: 261.422 $\pm$ 0.045 χ^2 /NDF:790924.7/25

Out: 260.310 $\pm$ 0.044 χ^2 /NDF:754476.2/25

All: 260.860 $\pm$ 0.032 χ^2 /NDF: 1545711.0/51

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 50.467 $\pm$ 21.547 χ^2/NDF : 18.2/16

Left Out: 29.800 $\pm$ 15.293 χ^2/NDF : 22.6/22

Right Out: 69.739 $\pm$ 20.448 χ^2/NDF : 18.1/18

Left In: 15.014 $\pm$ 15.596 χ^2/NDF : 22.6/21

Left: 22.552 $\pm$ 10.919 χ^2/NDF : 45.7/44

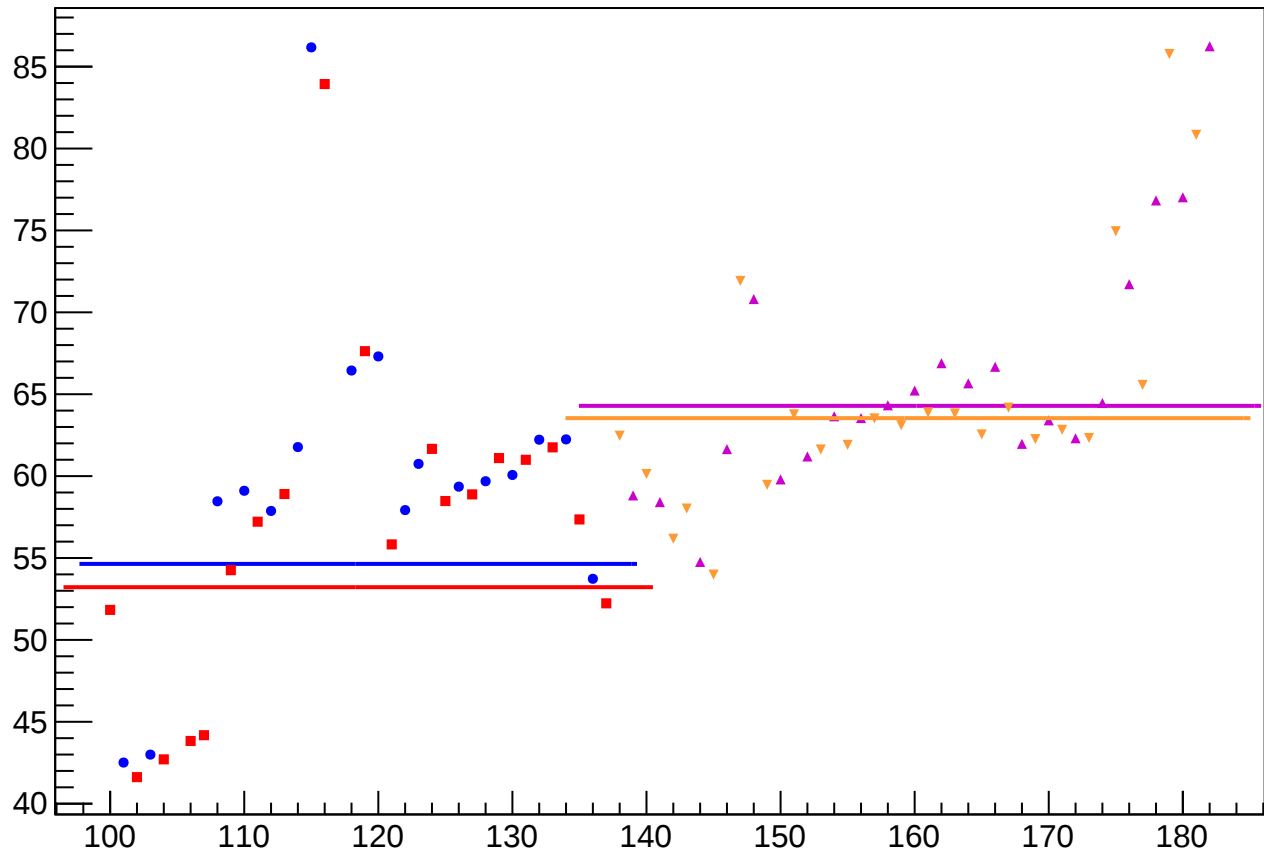
Right: 60.607 $\pm$ 14.832 χ^2/NDF : 36.7/35

In: 27.203 $\pm$ 12.634 χ^2/NDF : 42.6/38

Out: 44.126 $\pm$ 12.247 χ^2/NDF : 43.1/41

All: 35.928 $\pm$ 8.793 χ^2/NDF : 86.7/80

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.640 $\pm$ 0.015 χ^2 /NDF: 318989.1/16

Left Out: 63.540 $\pm$ 0.011 χ^2 /NDF: 332922.4/22

Right Out: 53.218 $\pm$ 0.014 χ^2 /NDF: 387904.0/18

Left In: 64.290 $\pm$ 0.011 χ^2 /NDF: 323005.4/21

Left: 63.908 $\pm$ 0.008 χ^2 /NDF: 658287.5/44

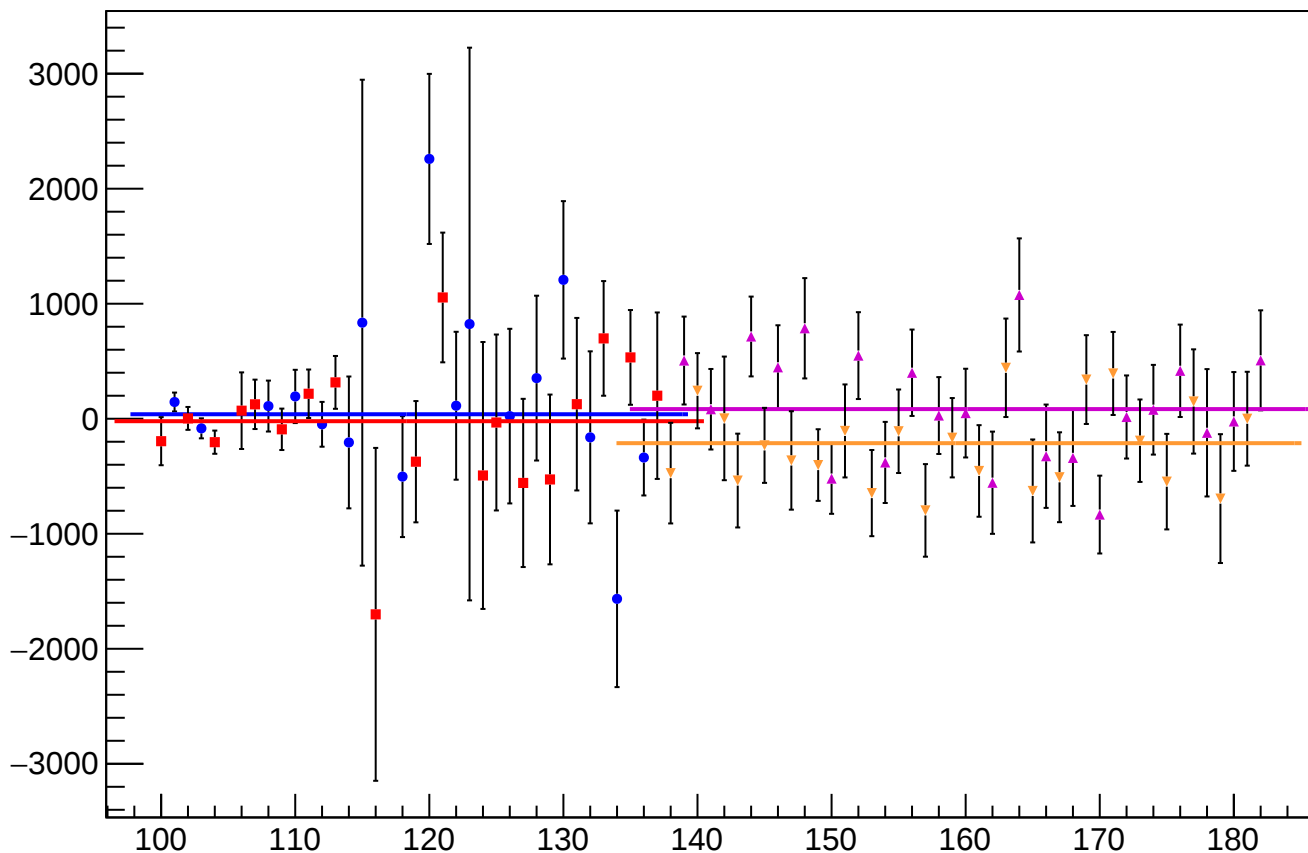
Right: 53.892 $\pm$ 0.010 χ^2 /NDF: 711474.8/35

In: 60.972 $\pm$ 0.009 χ^2 /NDF: 905221.4/38

Out: 59.838 $\pm$ 0.009 χ^2 /NDF: 1047611.2/41

All: 60.387 $\pm$ 0.006 χ^2 /NDF: 1961152.5/80

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 39.017 $\pm$ 51.561 χ^2 /NDF: 23.8/16

Left Out: -212.457 $\pm$ 81.658 χ^2 /NDF:18.5/22

Right Out: -21.418 $\pm$ 53.288 χ^2 /NDF: 18.8/18

Left In: 83.849 $\pm$ 82.314 χ^2 /NDF:33.2/21

Left: -65.489 $\pm$ 57.972 χ^2 /NDF: 58.3/44

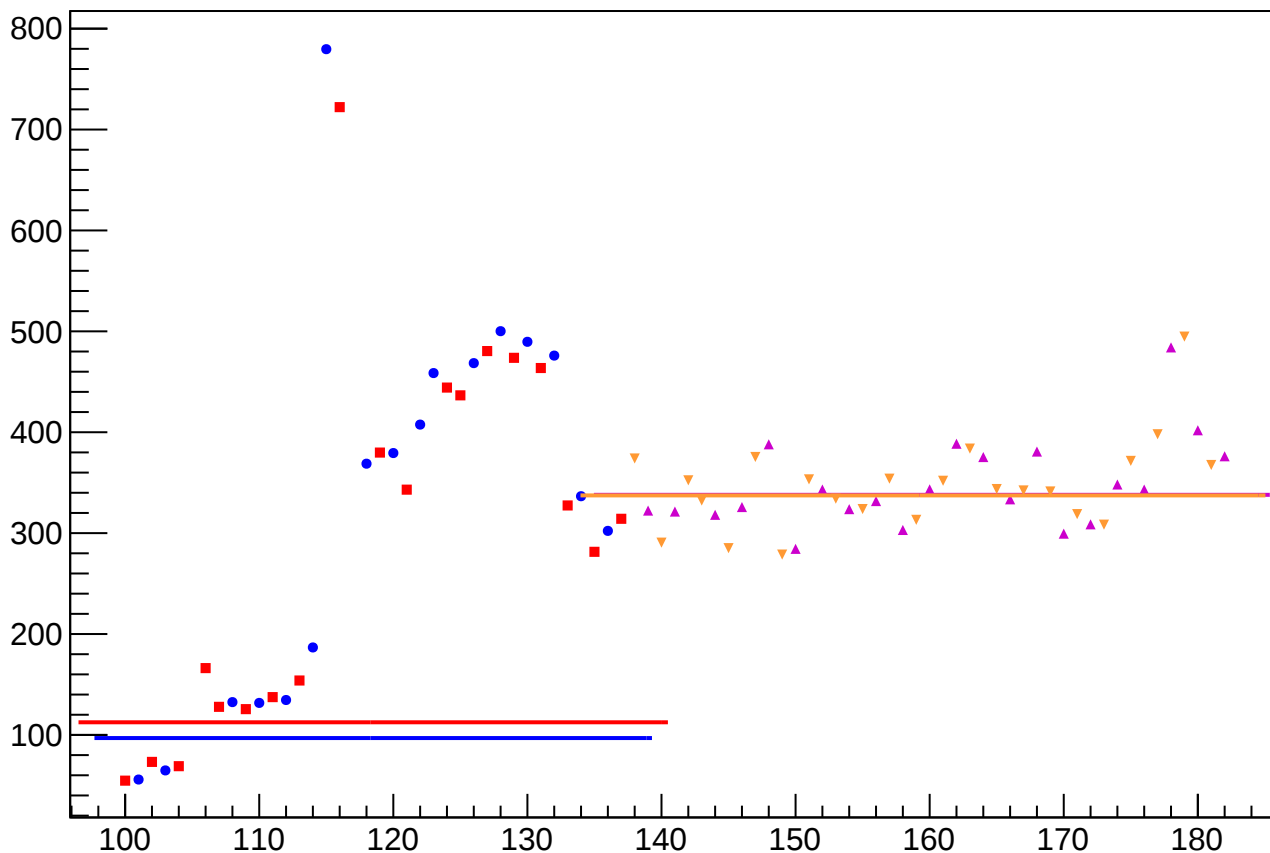
Right: 9.794 $\pm$ 37.055 χ^2 /NDF: 43.3/35

In: 51.650 $\pm$ 43.696 χ^2 /NDF:57.2/38

Out: -78.475 $\pm$ 44.627 χ^2 /NDF:41.2/41

All: -12.042 $\pm$ 31.222 χ^2 /NDF: 102.8/80

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 96.900 $\pm$ 0.036 χ^2 /NDF: 5800378.0/16

Left Out: 337.392 $\pm$ 0.058 χ^2 /NDF: 477877.5/22

Right Out: 112.520 $\pm$ 0.038 χ^2 /NDF: 5015761.7/18

Left In: 337.963 $\pm$ 0.058 χ^2 /NDF: 428982.1/21

Left: 337.675 $\pm$ 0.041 χ^2 /NDF: 906908.0/44

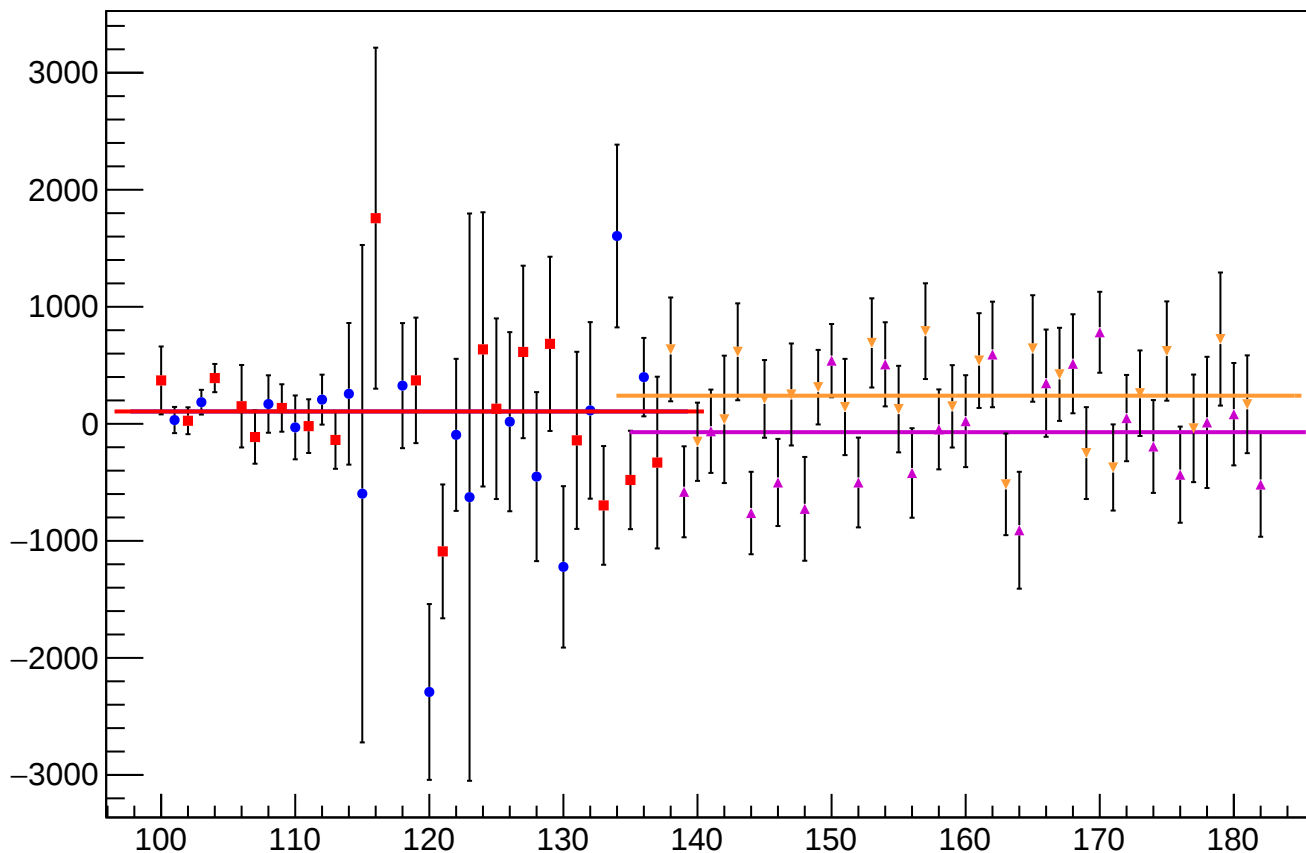
Right: 104.452 $\pm$ 0.026 χ^2 /NDF: 10904891.1/35

In: 164.832 $\pm$ 0.031 χ^2 /NDF: 18548745.7/38

Out: 179.682 $\pm$ 0.032 χ^2 /NDF: 16130892.0/41

All: 172.100 $\pm$ 0.022 χ^2 /NDF: 34792706.9/80

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 105.662 $\pm$ 63.187 χ^2 /NDF: 21.0/16

Left Out: 240.494 $\pm$ 83.151 χ^2 /NDF:17.5/22

Right Out: 105.735 $\pm$ 60.878 χ^2 /NDF: 21.2/18

Left In: -71.230 $\pm$ 83.853 χ^2 /NDF:33.6/21

Left: 85.942 $\pm$ 59.043 χ^2 /NDF: 58.1/44

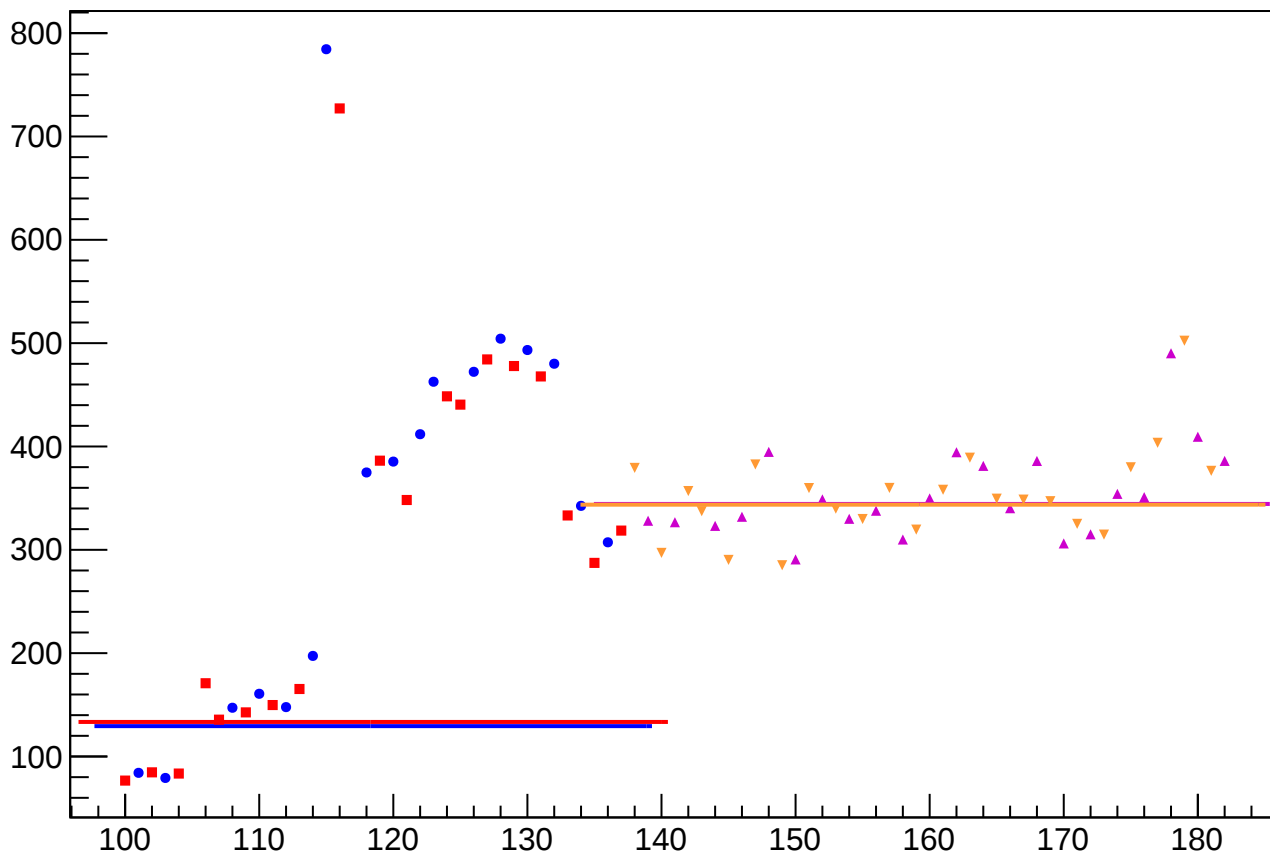
Right: 105.700 $\pm$ 43.841 χ^2 /NDF: 42.2/35

In: 41.596 $\pm$ 50.464 χ^2 /NDF:57.4/38

Out: 152.761 $\pm$ 49.120 χ^2 /NDF:40.4/41

All: 98.678 $\pm$ 35.199 χ^2 /NDF: 100.4/80

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.376+/-0.045 χ^2/NDF : 4758533.8/16

Left Out: 343.700+/-0.059 χ^2/NDF : 467092.7/22

Right Out: 133.433+/-0.043 χ^2/NDF : 4349255.7/18

Left In: 344.396+/-0.059 χ^2/NDF : 418100.6/21

Left: 344.045+/-0.042 χ^2/NDF : 885262.7/44

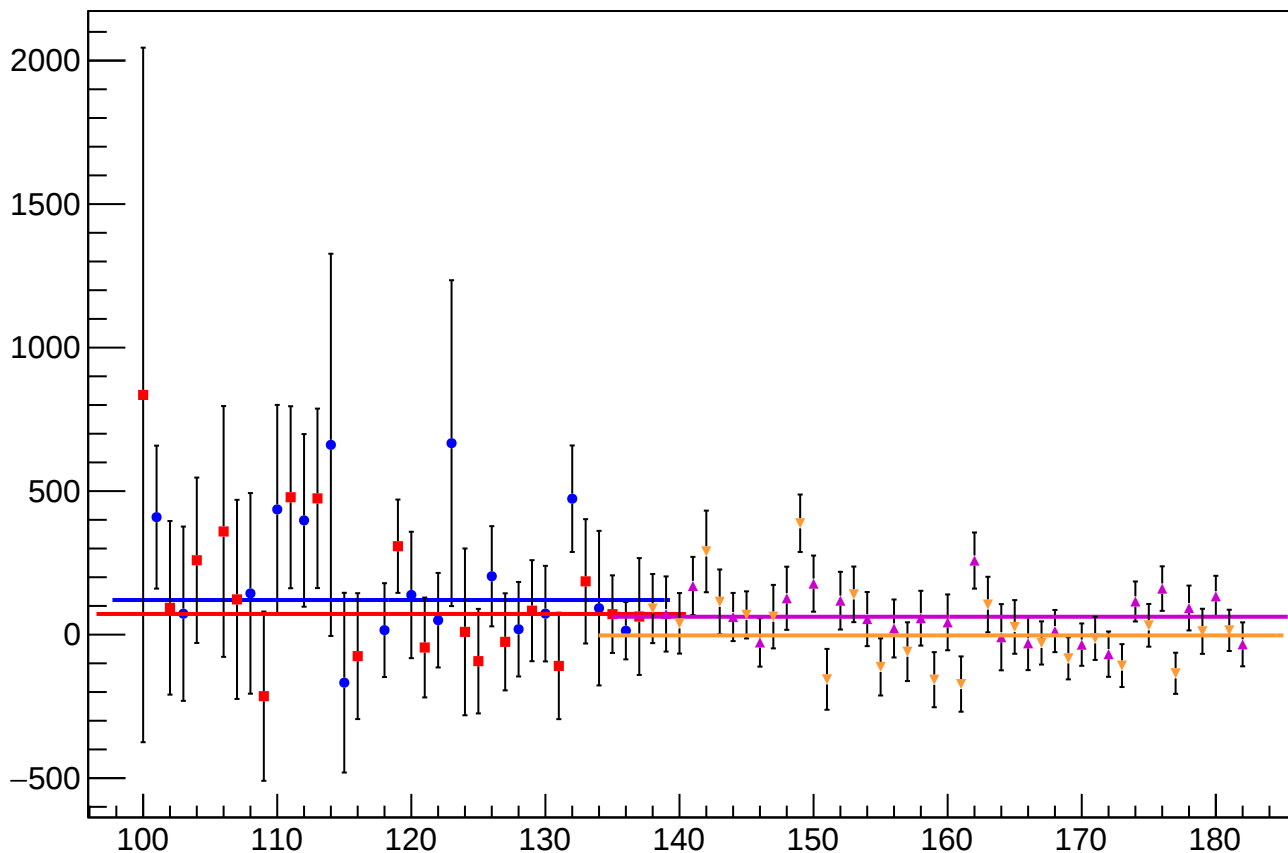
Right: 131.480+/-0.031 χ^2/NDF : 9112065.6/35

In: 207.251+/-0.036 χ^2/NDF : 13564507.6/38

Out: 206.809+/-0.035 χ^2/NDF : 13142380.5/41

All: 207.024+/-0.025 χ^2/NDF : 26706966.9/80

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 120.594 $\pm$ 49.201 χ^2 /NDF: 11.5/16

Left Out: -2.636 $\pm$ 18.583 χ^2 /NDF:42.3/22

Right Out: 72.023 $\pm$ 50.051 χ^2 /NDF: 11.0/18

Left In: 62.334 $\pm$ 18.646 χ^2 /NDF:19.7/21

Left: 29.739 $\pm$ 13.162 χ^2 /NDF: 68.1/44

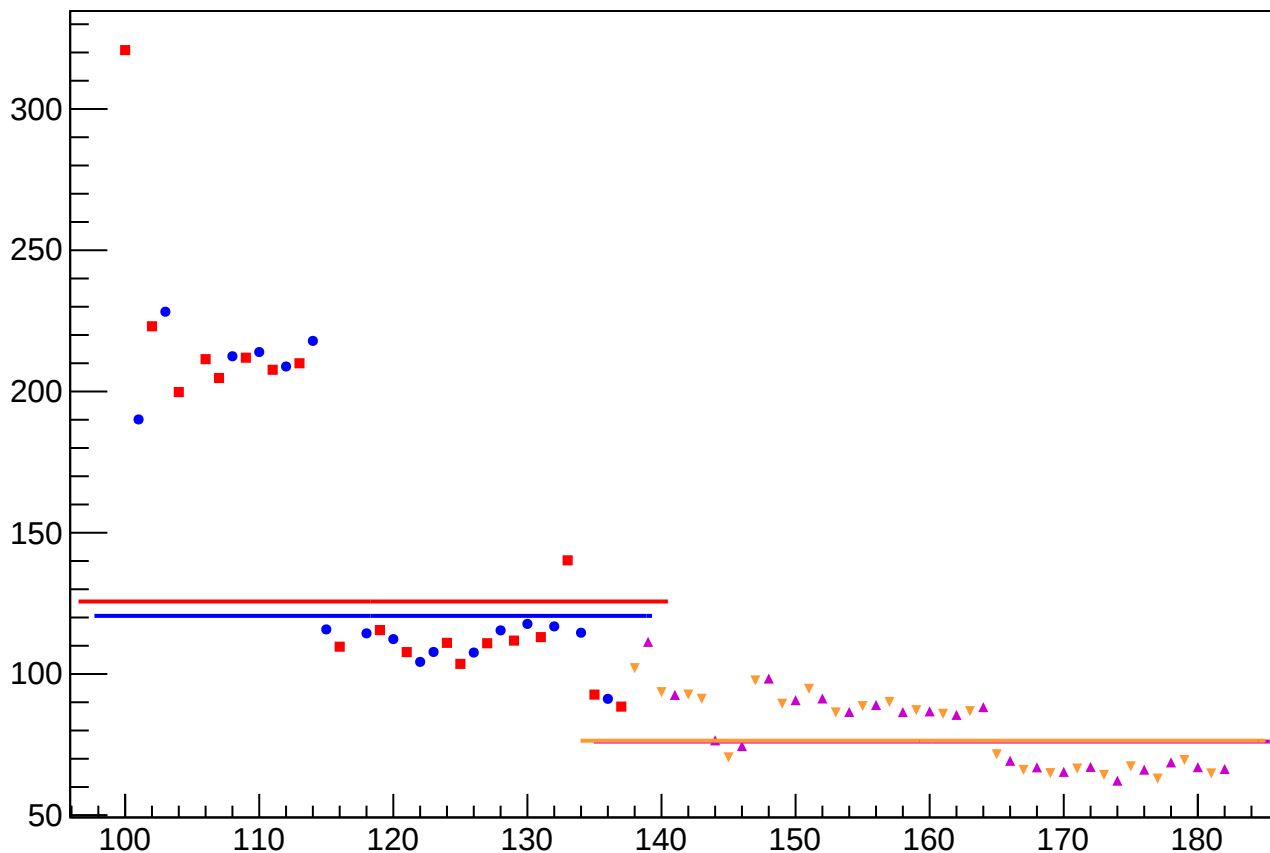
Right: 96.725 $\pm$ 35.087 χ^2 /NDF: 22.9/35

In: 69.651 $\pm$ 17.436 χ^2 /NDF:32.4/38

Out: 6.409 $\pm$ 17.421 χ^2 /NDF:55.2/41

All: 38.003 $\pm$ 12.324 χ^2 /NDF: 94.2/80

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.576 $\pm$ 0.035 χ^2 /NDF: 1107352.4/16

Left Out: 76.398 $\pm$ 0.013 χ^2 /NDF: 884922.5/22

Right Out: 125.666 $\pm$ 0.035 χ^2 /NDF: 1329602.0/18

Left In: 76.091 $\pm$ 0.013 χ^2 /NDF: 822423.4/21

Left: 76.245 $\pm$ 0.009 χ^2 /NDF: 1707617.3/44

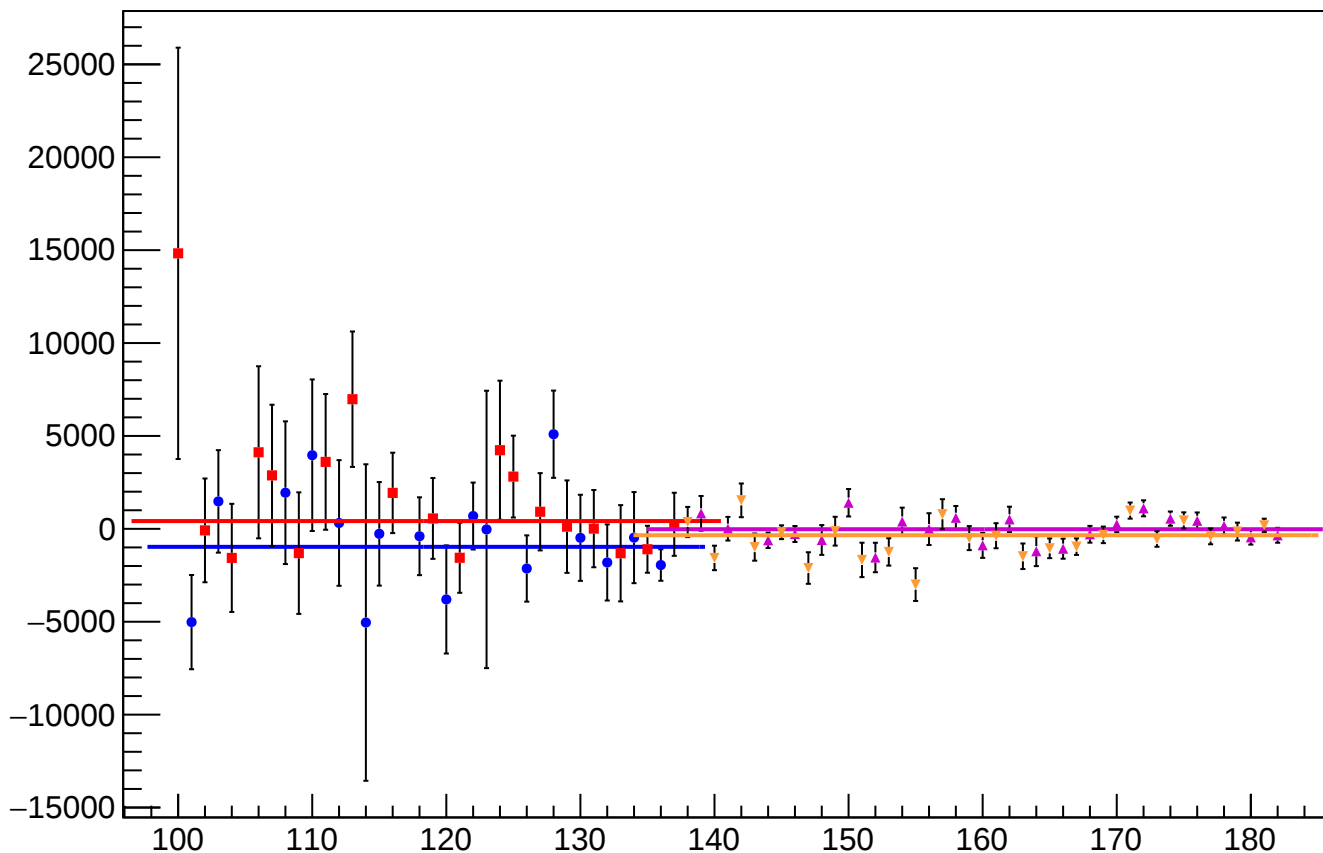
Right: 123.077 $\pm$ 0.025 χ^2 /NDF: 2447473.4/35

In: 81.678 $\pm$ 0.012 χ^2 /NDF: 3359417.0/38

Out: 82.367 $\pm$ 0.012 χ^2 /NDF: 3917664.2/41

All: 82.023 $\pm$ 0.009 χ^2 /NDF: 7278642.8/80

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -968.648 $\pm$ 513.413 χ^2 /NDF: 16.4/16

Left Out: -343.415 $\pm$ 113.636 χ^2 /NDF:50.2/22

Right Out: 419.047 $\pm$ 546.790 χ^2 /NDF: 13.3/18

Left In: -20.657 $\pm$ 111.693 χ^2 /NDF:33.5/21

Left: -179.253 $\pm$ 79.657 χ^2 /NDF: 87.8/44

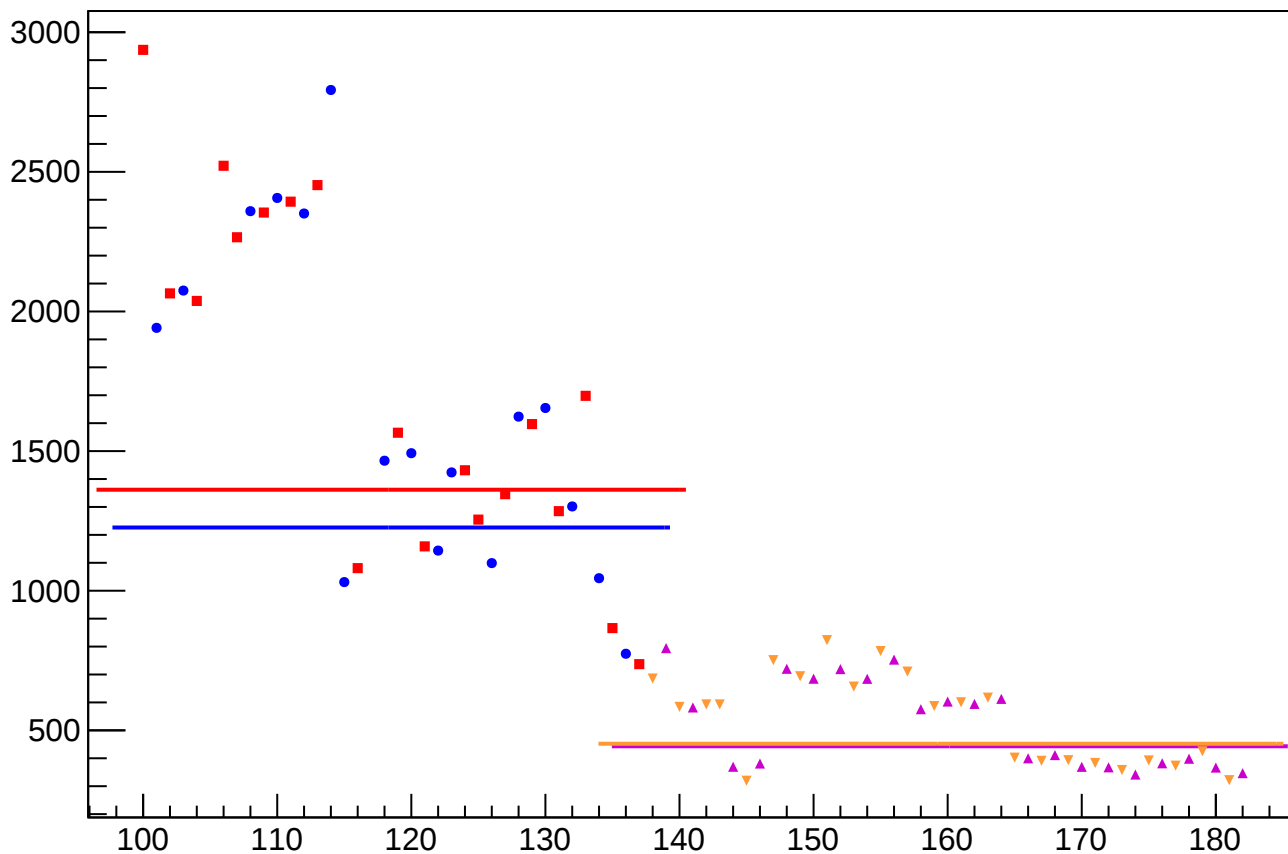
Right: -318.444 $\pm$ 374.282 χ^2 /NDF: 33.1/35

In: -63.495 $\pm$ 109.140 χ^2 /NDF:53.1/38

Out: -311.847 $\pm$ 111.258 χ^2 /NDF:65.4/41

All: -185.284 $\pm$ 77.912 χ^2 /NDF: 121.1/80

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.408 $\pm$ 0.363 χ^2/NDF : 1754373.1/16

Left Out: 452.045 $\pm$ 0.080 χ^2/NDF : 2949608.7/22

Right Out: 1361.687 $\pm$ 0.387 χ^2/NDF : 1749515.8/18

Left In: 442.938 $\pm$ 0.079 χ^2/NDF : 2573736.2/21

Left: 447.413 $\pm$ 0.056 χ^2/NDF : 5529879.1/44

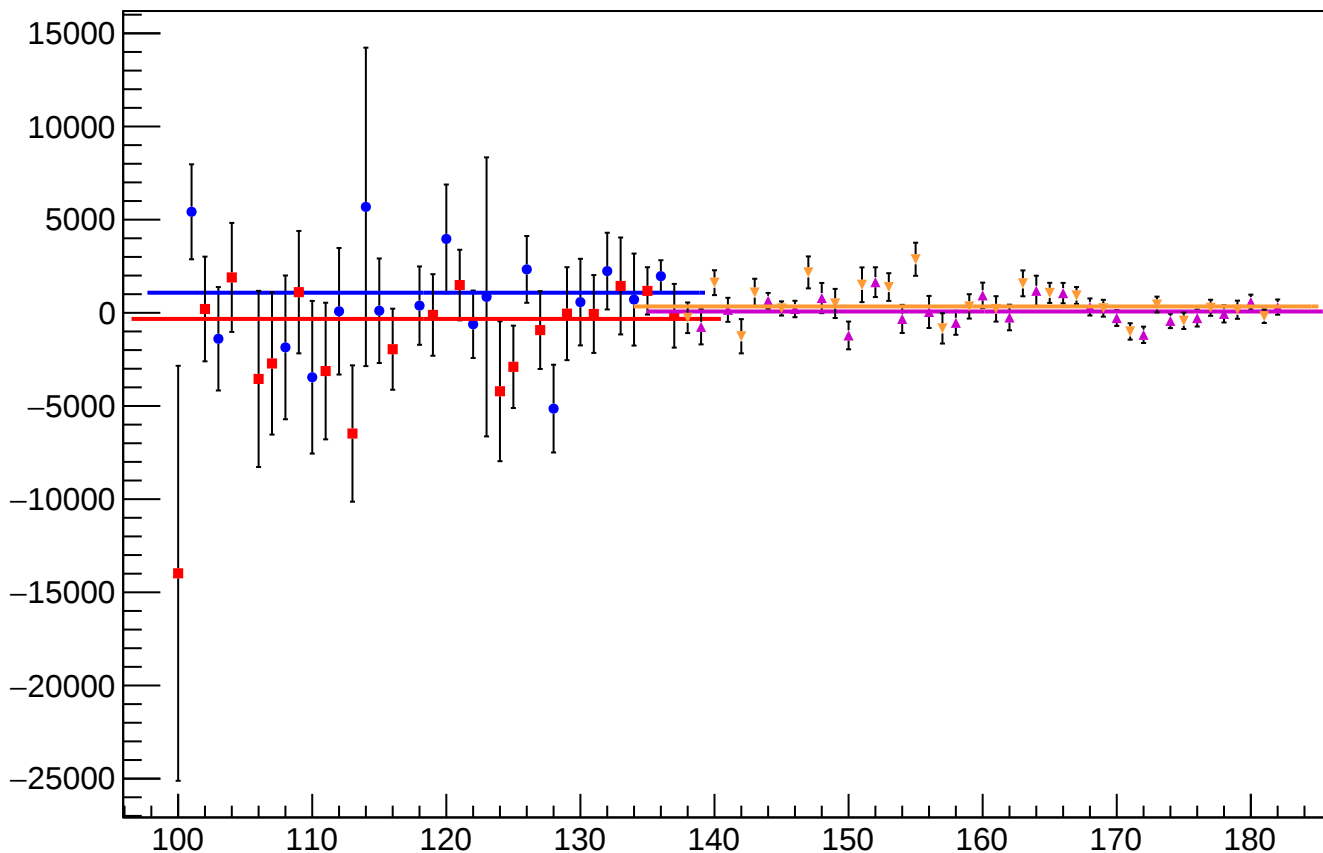
Right: 1289.793 $\pm$ 0.265 χ^2/NDF : 3568949.4/35

In: 478.342 $\pm$ 0.077 χ^2/NDF : 8775019.2/38

Out: 489.706 $\pm$ 0.079 χ^2/NDF : 10005111.1/41

All: 483.915 $\pm$ 0.055 χ^2/NDF : 18790764.3/80

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1078.872 $\pm$ 516.347 χ^2 /NDF: 16.9/16

Left Out: 341.861 $\pm$ 115.333 χ^2 /NDF: 48.0/22

Right Out: -327.027 $\pm$ 549.623 χ^2 /NDF: 12.5/18

Left In: 71.302 $\pm$ 113.418 χ^2 /NDF: 31.9/21

Left: 204.316 $\pm$ 80.867 χ^2 /NDF: 82.7/44

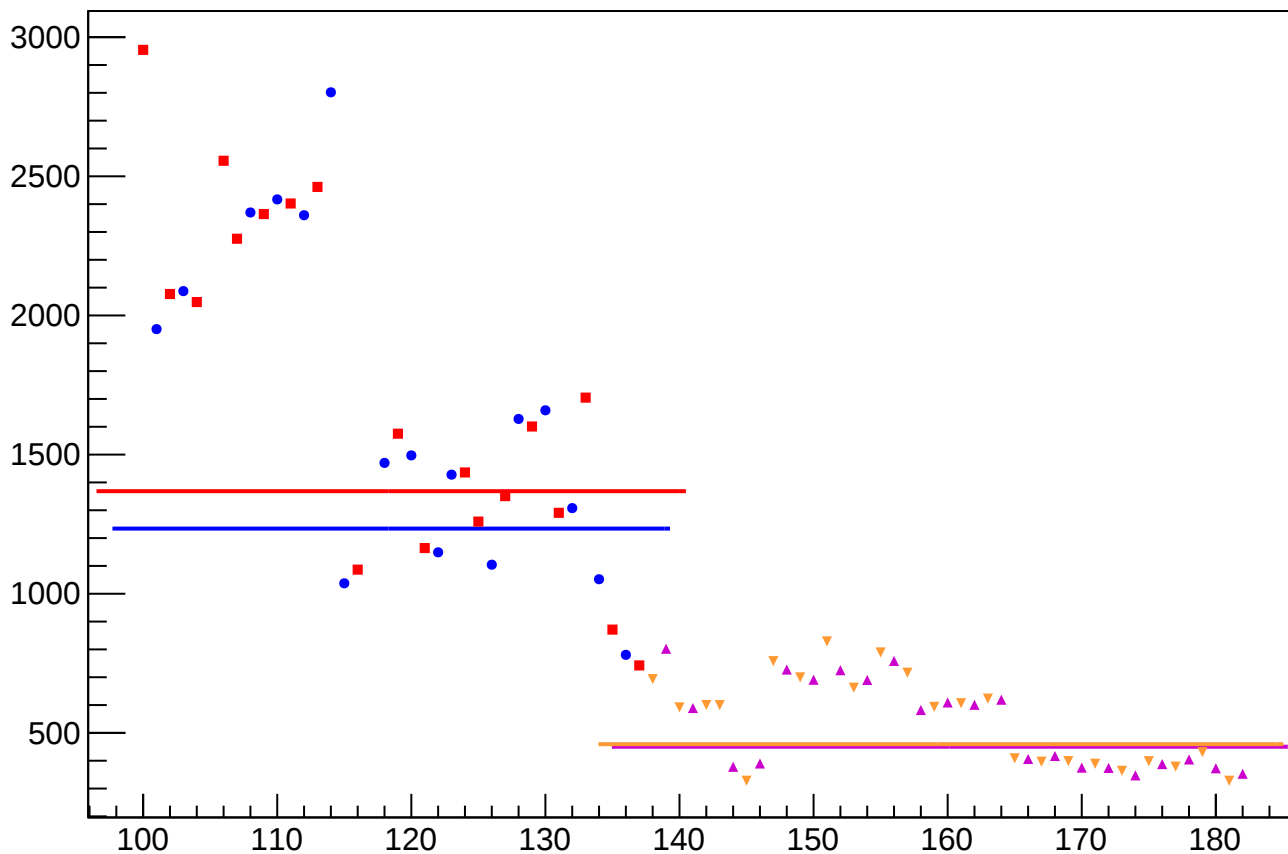
Right: 419.768 $\pm$ 376.327 χ^2 /NDF: 32.8/35

In: 117.678 $\pm$ 110.777 χ^2 /NDF: 52.4/38

Out: 313.650 $\pm$ 112.875 χ^2 /NDF: 61.9/41

All: 213.826 $\pm$ 79.062 χ^2 /NDF: 115.9/80

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1234.132 $\pm$ 0.365 χ^2/NDF : 1741964.9/16

Left Out: 459.370 $\pm$ 0.082 χ^2/NDF : 2876102.0/22

Right Out: 1368.544 $\pm$ 0.389 χ^2/NDF : 1745009.6/18

Left In: 450.255 $\pm$ 0.080 χ^2/NDF : 2514268.5/21

Left: 454.736 $\pm$ 0.057 χ^2/NDF : 5396721.1/44

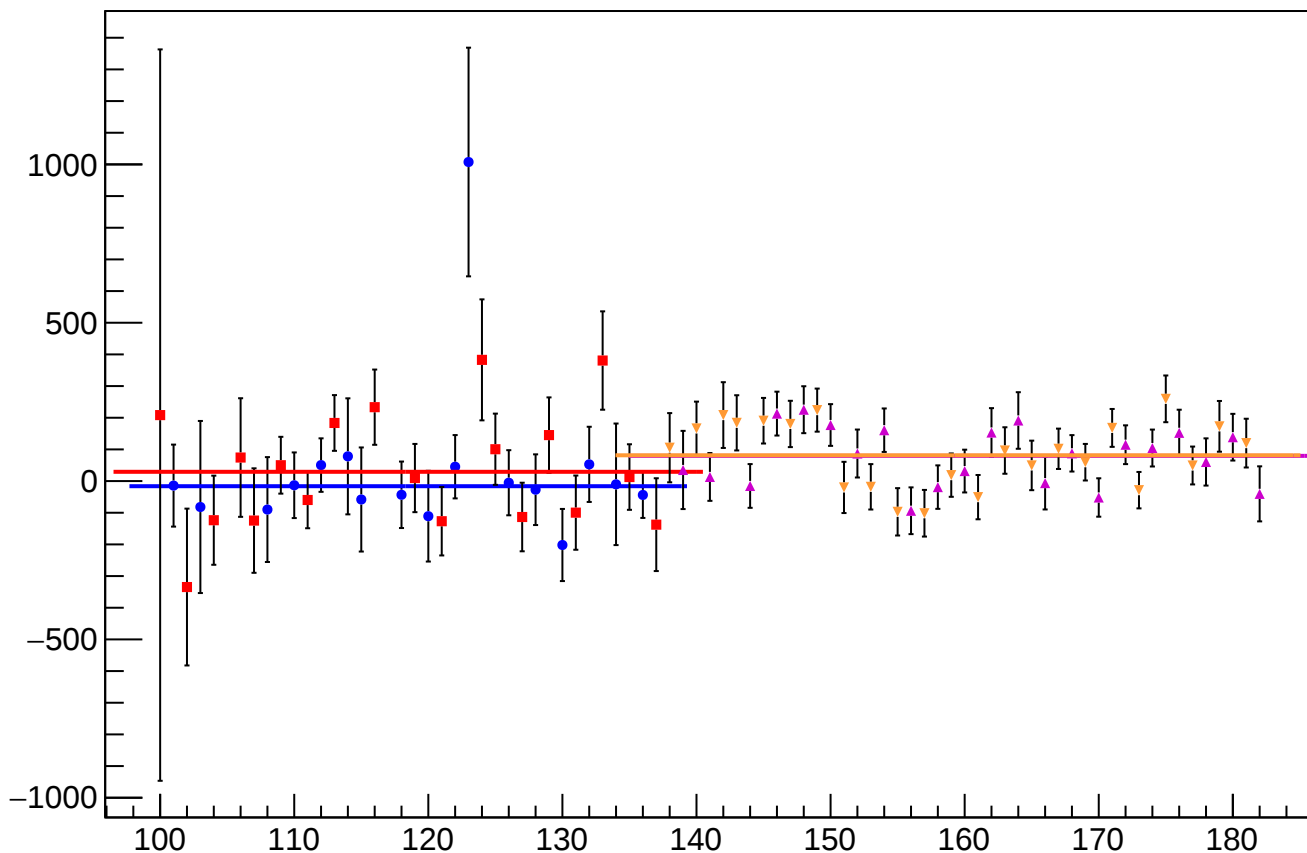
Right: 1297.146 $\pm$ 0.266 χ^2/NDF : 3550510.7/35

In: 486.335 $\pm$ 0.078 χ^2/NDF : 8653465.7/38

Out: 497.715 $\pm$ 0.080 χ^2/NDF : 9862899.0/41

All: 491.918 $\pm$ 0.056 χ^2/NDF : 18526720.8/80

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -16.204 ± 28.906 $\chi^2/\text{NDF}: 13.3/16$

Left Out: 81.413 ± 15.013 $\chi^2/\text{NDF}: 46.1/22$

Right Out: 29.279 ± 28.050 $\chi^2/\text{NDF}: 27.6/18$

Left In: 79.623 ± 15.196 $\chi^2/\text{NDF}: 34.4/21$

Left: 80.529 ± 10.680 $\chi^2/\text{NDF}: 80.6/44$

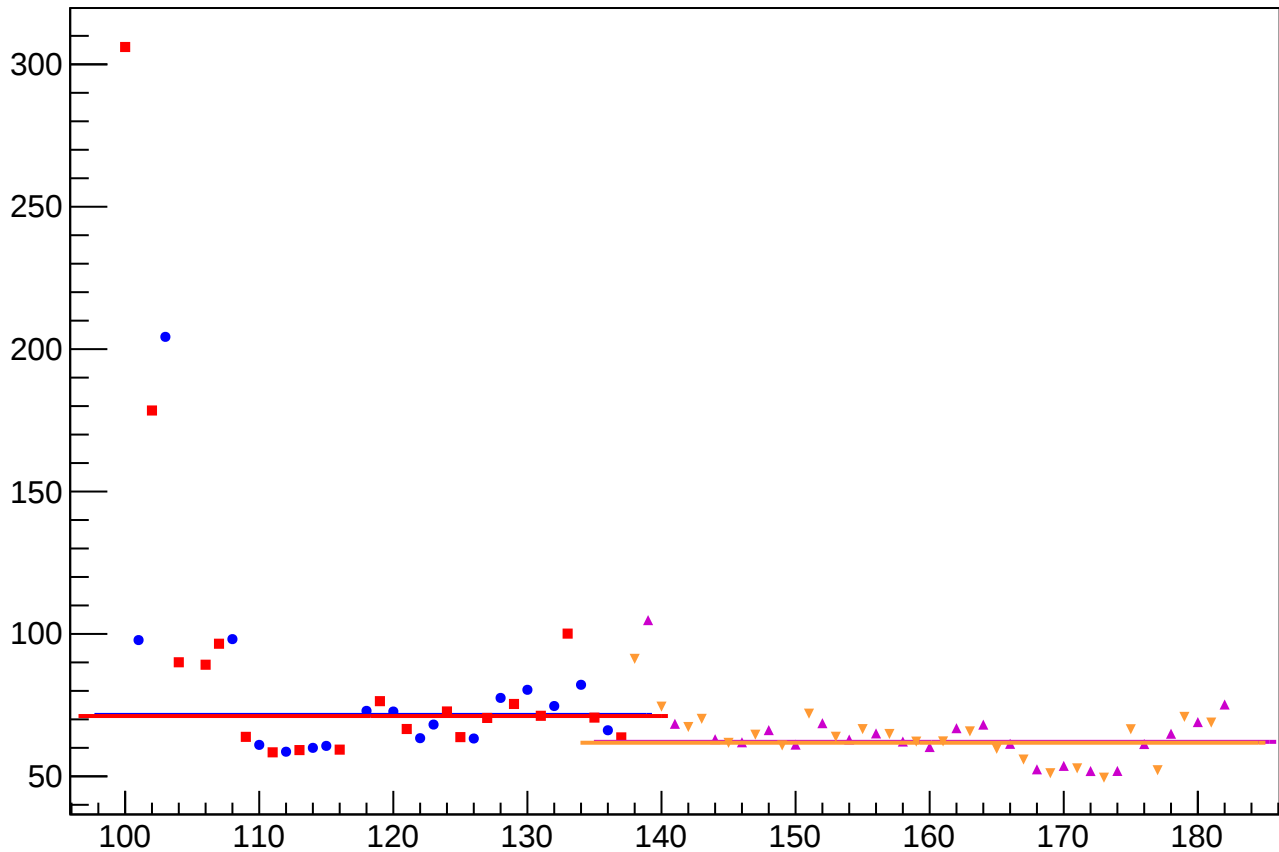
Right: 7.221 ± 20.130 $\chi^2/\text{NDF}: 42.2/35$

In: 58.875 ± 13.450 $\chi^2/\text{NDF}: 56.3/38$

Out: 69.804 ± 13.236 $\chi^2/\text{NDF}: 76.5/41$

All: 64.428 ± 9.434 $\chi^2/\text{NDF}: 133.1/80$

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.567 $\pm$ 0.020 χ^2 /NDF: 758733.9/16

Left Out: 61.796 $\pm$ 0.011 χ^2 /NDF: 595472.8/22

Right Out: 71.173 $\pm$ 0.020 χ^2 /NDF: 765136.0/18

Left In: 62.108 $\pm$ 0.011 χ^2 /NDF: 576437.7/21

Left: 61.950 $\pm$ 0.008 χ^2 /NDF: 1172337.7/44

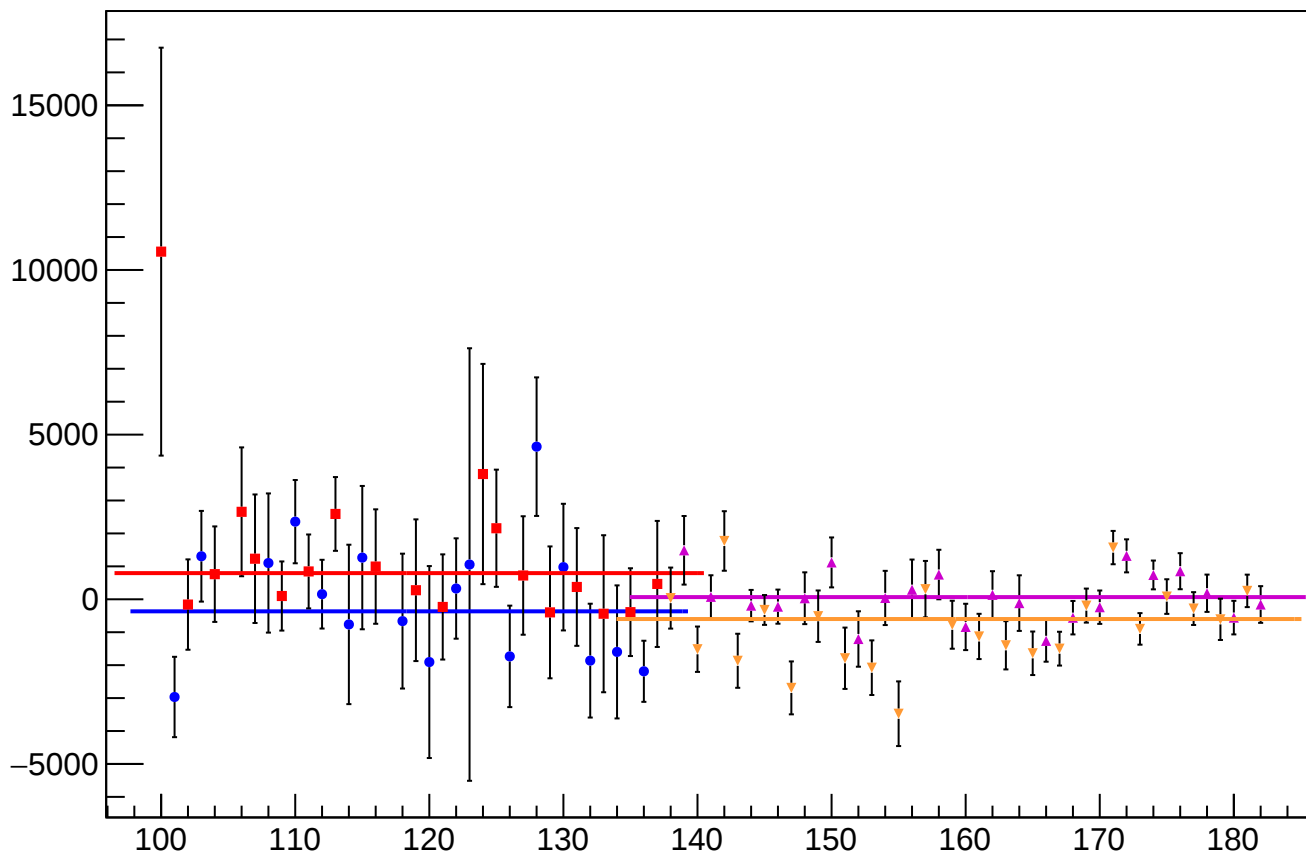
Right: 71.364 $\pm$ 0.014 χ^2 /NDF: 1524061.4/35

In: 64.156 $\pm$ 0.010 χ^2 /NDF: 1502939.2/38

Out: 63.884 $\pm$ 0.009 χ^2 /NDF: 1534332.0/41

All: 64.018 $\pm$ 0.007 χ^2 /NDF: 3037687.3/80

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -365.739 ± 382.977 $\chi^2/\text{NDF}: 24.4/16$

Left Out: -599.362 ± 132.087 $\chi^2/\text{NDF}: 65.0/22$

Right Out: 794.732 ± 370.548 $\chi^2/\text{NDF}: 10.3/18$

Left In: 66.561 ± 130.254 $\chi^2/\text{NDF}: 27.9/21$

Left: -261.749 ± 92.745 $\chi^2/\text{NDF}: 105.9/44$

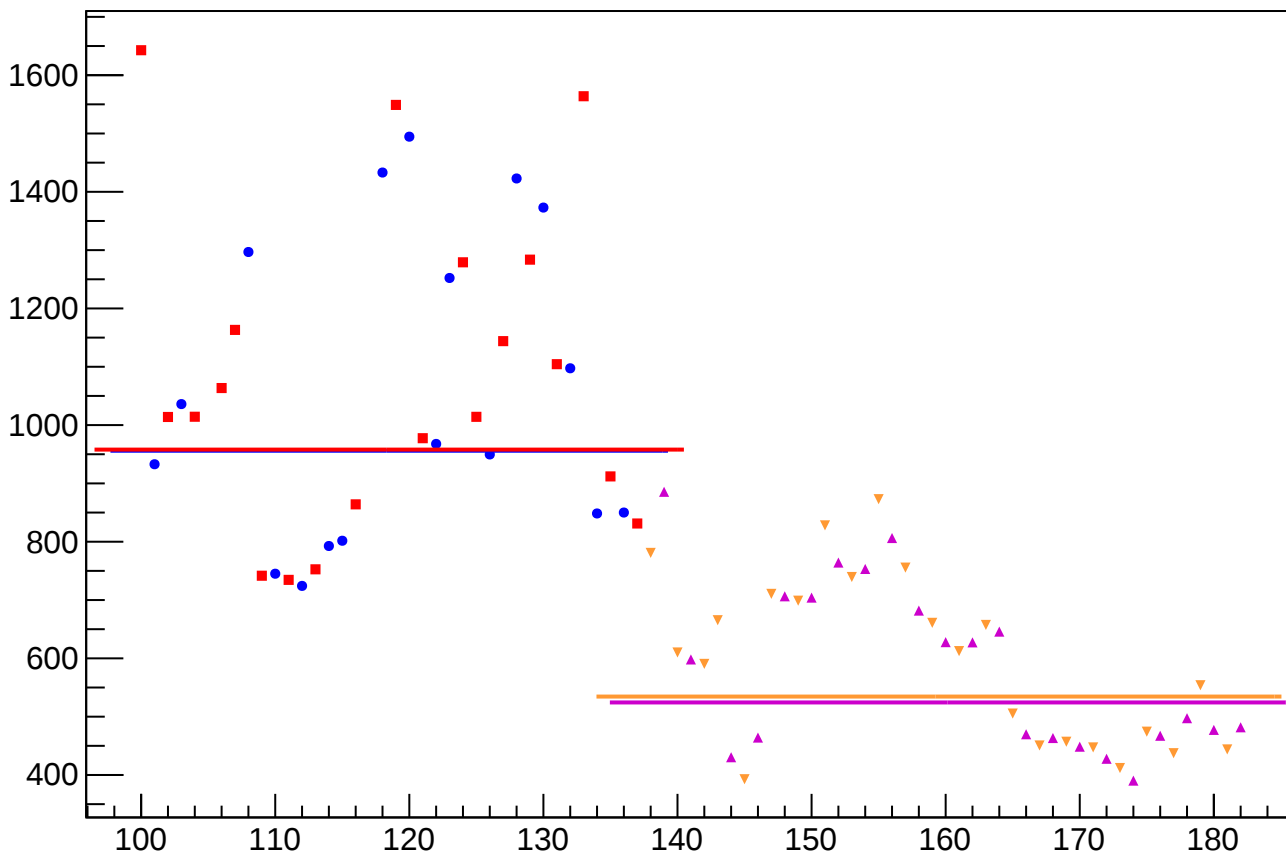
Right: 233.634 ± 266.303 $\chi^2/\text{NDF}: 39.5/35$

In: 21.740 ± 123.317 $\chi^2/\text{NDF}: 53.5/38$

Out: -442.192 ± 124.418 $\chi^2/\text{NDF}: 87.9/41$

All: -208.164 ± 87.585 $\chi^2/\text{NDF}: 148.5/80$

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 956.049+/-0.271 χ^2/NDF : 651701.4/16

Left Out: 534.480+/-0.093 χ^2/NDF : 1902621.9/22

Right Out: 957.960+/-0.262 χ^2/NDF : 695647.8/18

Left In: 524.388+/-0.092 χ^2/NDF : 1716161.7/21

Left: 529.364+/-0.066 χ^2/NDF : 3624702.8/44

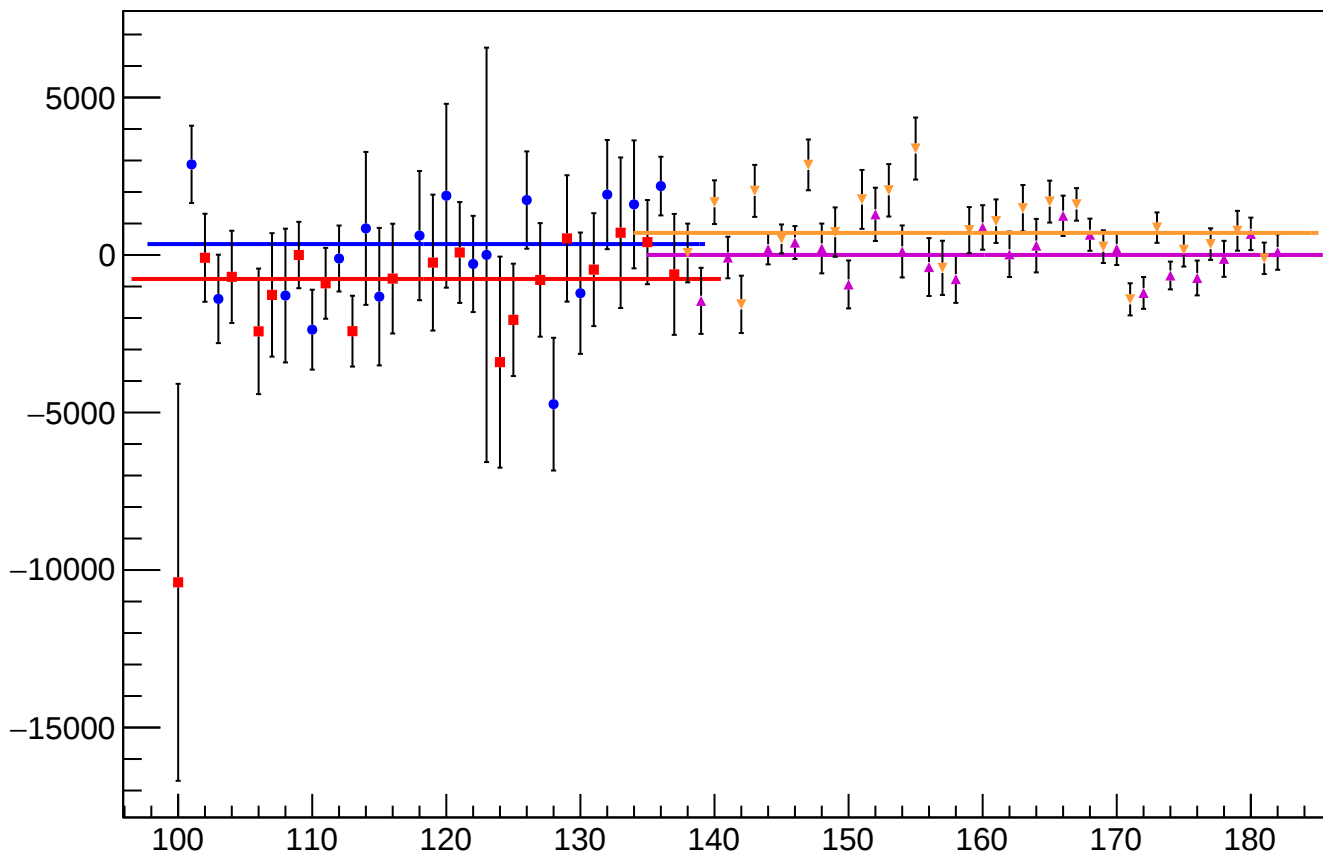
Right: 957.036+/-0.188 χ^2/NDF : 1347374.9/35

In: 569.143+/-0.087 χ^2/NDF : 4645219.4/38

Out: 582.224+/-0.088 χ^2/NDF : 4915977.2/41

All: 575.625+/-0.062 χ^2/NDF : 9572347.9/80

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 347.157 $\pm$ 384.717 χ^2 /NDF: 24.7/16

Left Out: 702.113 $\pm$ 133.085 χ^2 /NDF:60.4/22

Right Out: -760.420 $\pm$ 372.421 χ^2 /NDF: 9.1/18

Left In: 2.101 $\pm$ 131.289 χ^2 /NDF:26.3/21

Left: 347.354 $\pm$ 93.464 χ^2 /NDF: 100.8/44

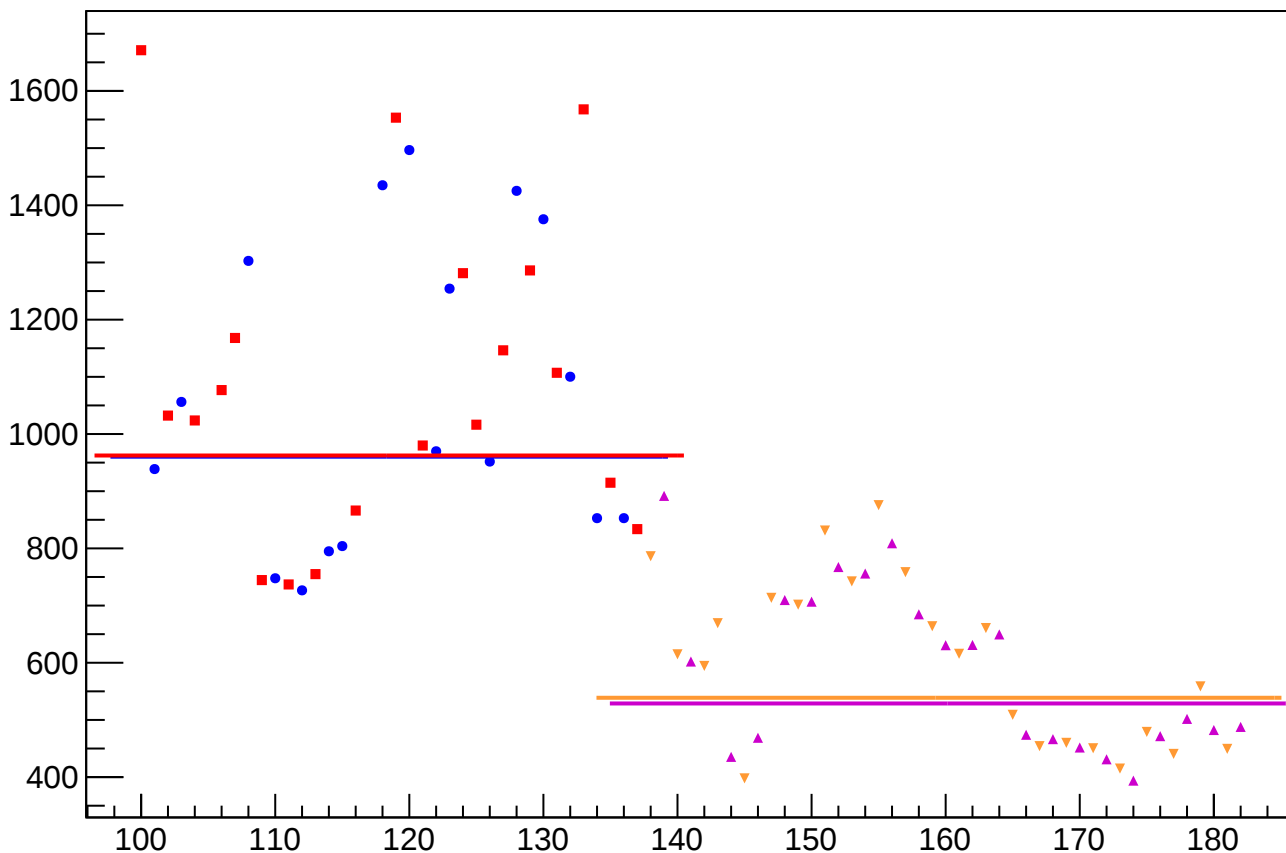
Right: -224.613 $\pm$ 267.583 χ^2 /NDF: 38.1/35

In: 38.095 $\pm$ 124.253 χ^2 /NDF:51.7/38

Out: 536.499 $\pm$ 125.323 χ^2 /NDF:83.2/41

All: 285.160 $\pm$ 88.236 χ^2 /NDF: 142.9/80

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 960.401 $\pm$ 0.272 χ^2 /NDF: 651758.1/16

Left Out: 538.770 $\pm$ 0.094 χ^2 /NDF:1871553.2/22

Right Out: 962.436 $\pm$ 0.263 χ^2 /NDF: 698312.5/18

Left In: 528.793 $\pm$ 0.093 χ^2 /NDF:1688446.8/21

Left: 533.714 $\pm$ 0.066 χ^2 /NDF: 3565696.8/44

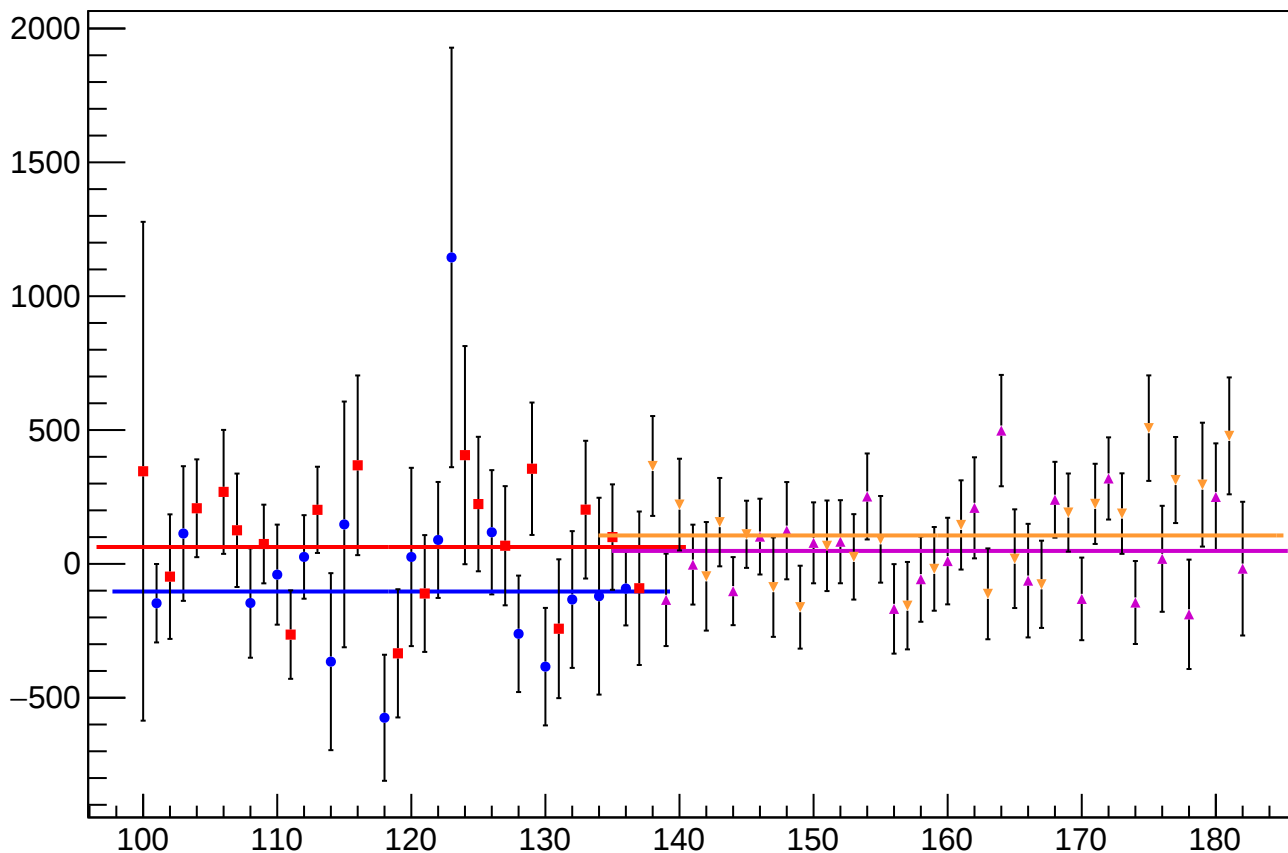
Right: 961.451 $\pm$ 0.189 χ^2 /NDF: 1350099.5/35

In: 573.815 $\pm$ 0.088 χ^2 /NDF:4594875.5/38

Out: 586.746 $\pm$ 0.089 χ^2 /NDF:4865032.7/41

All: 580.225 $\pm$ 0.062 χ^2 /NDF: 9470645.5/80

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -103.183 ± 53.022 $\chi^2/\text{NDF}: 13.2/16$

Left Out: 106.247 ± 34.785 $\chi^2/\text{NDF}: 24.5/22$

Right Out: 63.083 ± 50.922 $\chi^2/\text{NDF}: 15.2/18$

Left In: 48.413 ± 35.405 $\chi^2/\text{NDF}: 22.8/21$

Left: 77.841 ± 24.813 $\chi^2/\text{NDF}: 48.6/44$

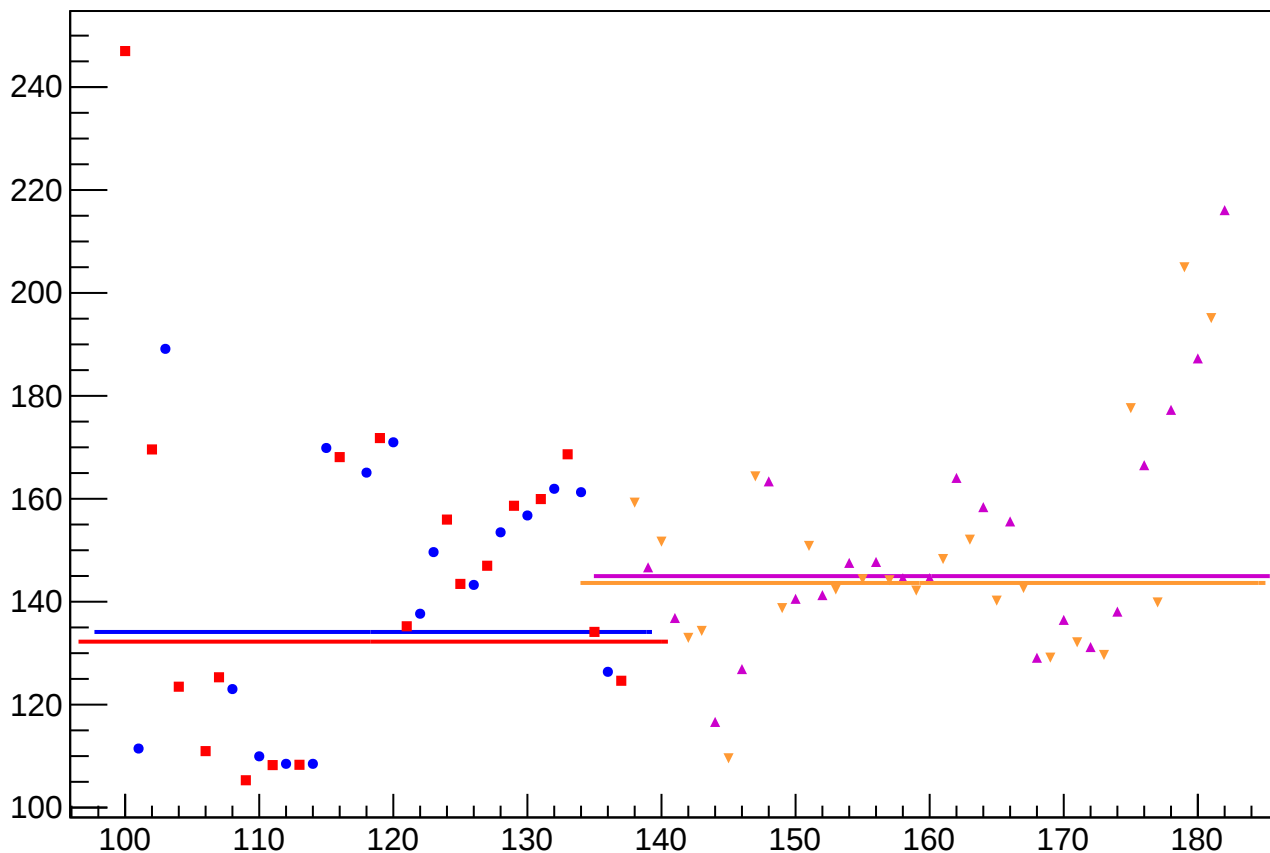
Right: -16.692 ± 36.727 $\chi^2/\text{NDF}: 33.5/35$

In: 1.664 ± 29.444 $\chi^2/\text{NDF}: 41.6/38$

Out: 92.514 ± 28.723 $\chi^2/\text{NDF}: 40.2/41$

All: 48.215 ± 20.561 $\chi^2/\text{NDF}: 86.7/80$

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.122 $\pm$ 0.037 χ^2 /NDF: 402473.7/16

Left Out: 143.645 $\pm$ 0.025 χ^2 /NDF: 576919.2/22

Right Out: 132.239 $\pm$ 0.036 χ^2 /NDF: 443566.0/18

Left In: 144.974 $\pm$ 0.025 χ^2 /NDF: 572673.8/21

Left: 144.298 $\pm$ 0.018 χ^2 /NDF: 1151026.9/44

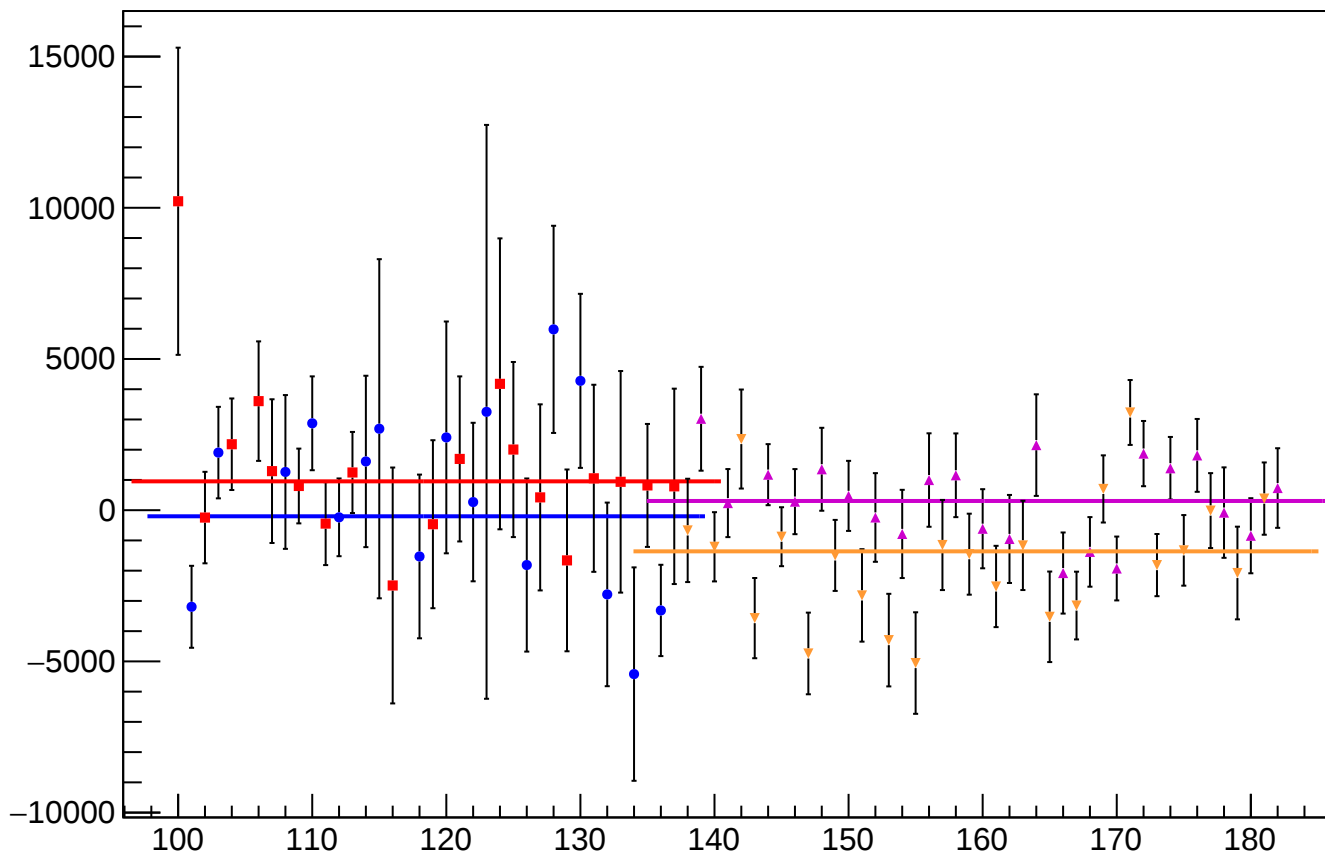
Right: 133.143 $\pm$ 0.026 χ^2 /NDF: 847351.7/35

In: 141.628 $\pm$ 0.021 χ^2 /NDF: 1033090.2/38

Out: 140.016 $\pm$ 0.020 χ^2 /NDF: 1088901.0/41

All: 140.802 $\pm$ 0.015 χ^2 /NDF: 2125060.4/80

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -201.740+/-524.888 χ^2/NDF : 25.8/16

Left Out: -1361.087+/-267.413 χ^2/NDF : 55.0/22

Right Out: 953.808+/-481.576 χ^2/NDF : 10.0/18

Left In: 304.613+/-268.230 χ^2/NDF : 23.1/21

Left: -530.775+/-189.378 χ^2/NDF : 97.5/44

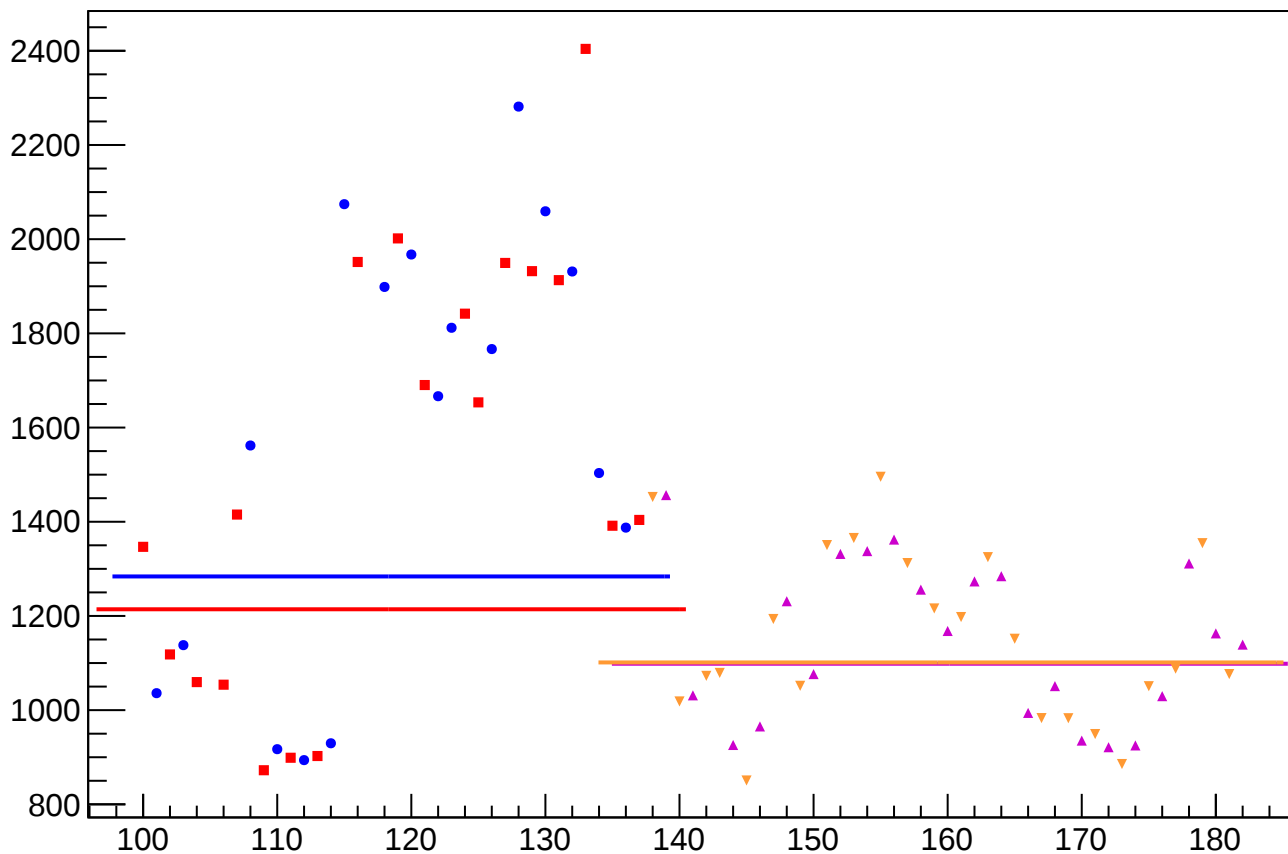
Right: 425.670+/-354.851 χ^2/NDF : 38.4/35

In: 199.763+/-238.850 χ^2/NDF : 49.7/38

Out: -815.523+/-233.788 χ^2/NDF : 82.7/41

All: -318.752+/-167.074 χ^2/NDF : 141.5/80

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.882 $\pm$ 0.371 χ^2 /NDF: 1171665.2/16

Left Out: 1101.294 $\pm$ 0.189 χ^2 /NDF: 810251.5/22

Right Out: 1214.162 $\pm$ 0.341 χ^2 /NDF: 1360853.5/18

Left In: 1098.506 $\pm$ 0.190 χ^2 /NDF: 677700.0/21

Left: 1099.904 $\pm$ 0.134 χ^2 /NDF: 1488059.9/44

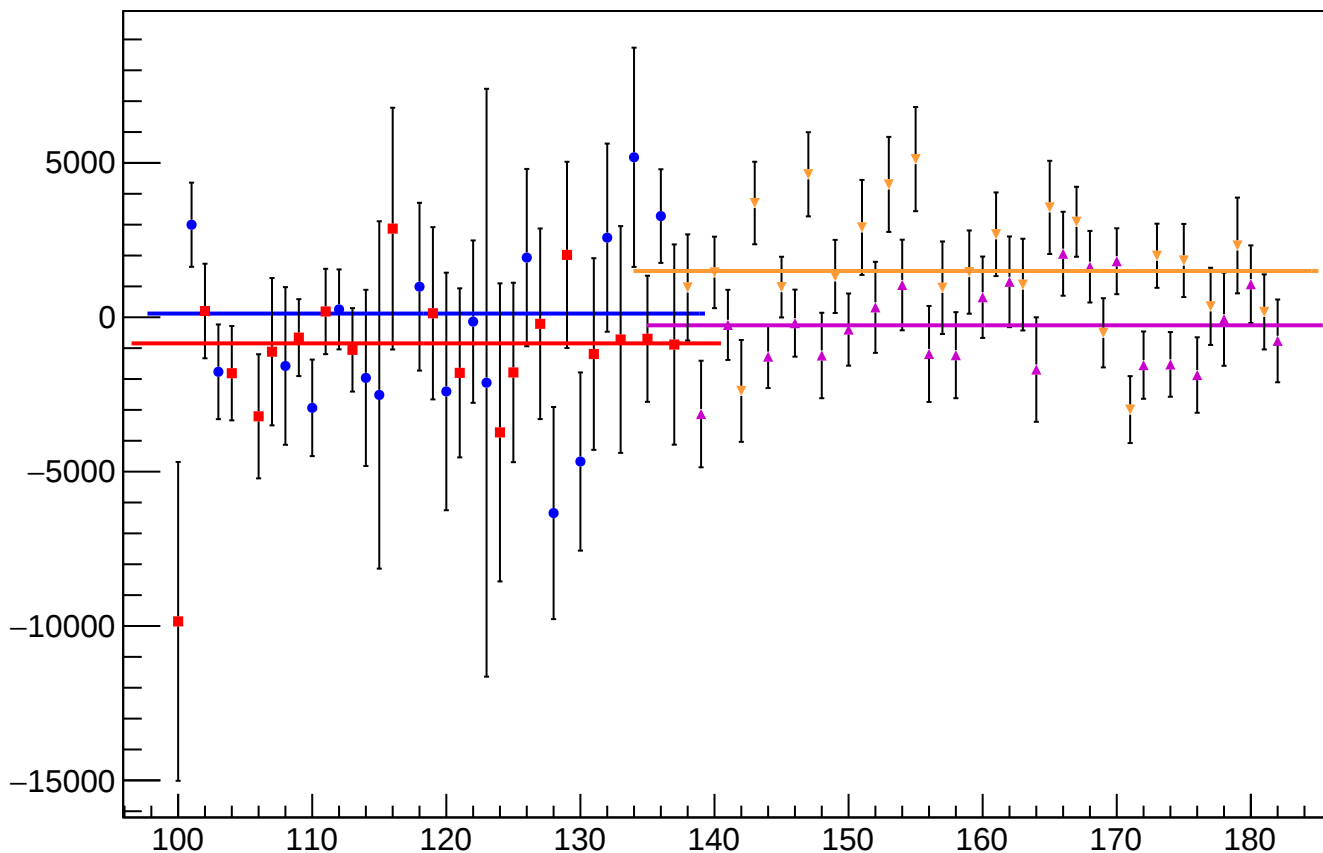
Right: 1246.027 $\pm$ 0.251 χ^2 /NDF: 2551678.0/35

In: 1136.892 $\pm$ 0.169 χ^2 /NDF: 2047171.5/38

Out: 1127.894 $\pm$ 0.165 χ^2 /NDF: 2255073.9/41

All: 1132.297 $\pm$ 0.118 χ^2 /NDF: 4303694.8/80

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 120.212 $\pm$ 528.305 χ^2 /NDF: 25.3/16

Left Out: 1499.128 $\pm$ 269.930 χ^2 /NDF: 50.5/22

Right Out: -845.039 $\pm$ 485.264 χ^2 /NDF: 8.5/18

Left In: -260.157 $\pm$ 270.822 χ^2 /NDF: 23.4/21

Left: 622.388 $\pm$ 191.184 χ^2 /NDF: 95.1/44

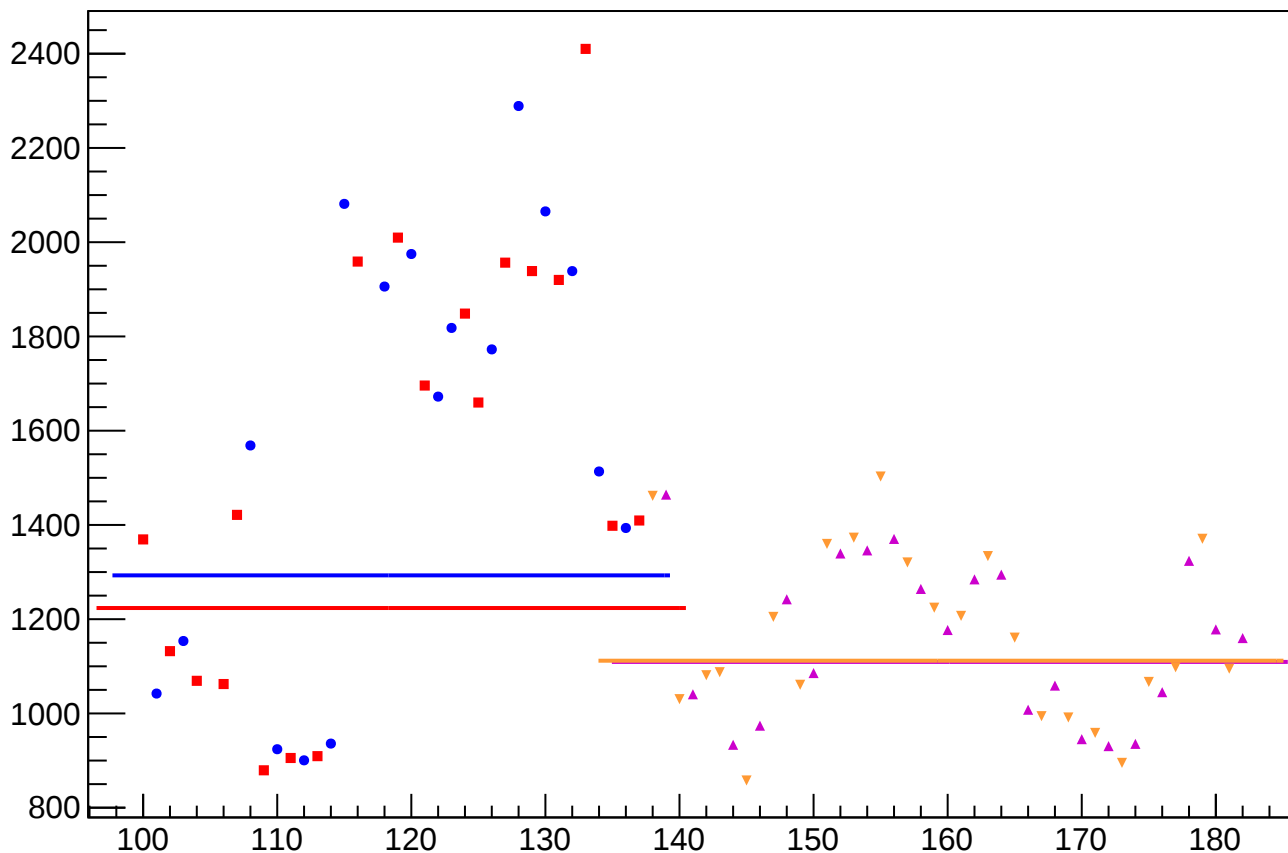
Right: -403.329 $\pm$ 357.382 χ^2 /NDF: 35.6/35

In: -181.003 $\pm$ 241.001 χ^2 /NDF: 49.1/38

Out: 945.196 $\pm$ 235.891 χ^2 /NDF: 76.8/41

All: 394.163 $\pm$ 168.578 χ^2 /NDF: 137.1/80

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.993 $\pm$ 0.374 χ^2 /NDF: 1158775.5/16

Left Out: 1111.916 $\pm$ 0.191 χ^2 /NDF: 797915.3/22

Right Out: 1223.713 $\pm$ 0.343 χ^2 /NDF: 1345807.4/18

Left In: 1109.325 $\pm$ 0.192 χ^2 /NDF: 667145.0/21

Left: 1110.625 $\pm$ 0.135 χ^2 /NDF: 1465152.1/44

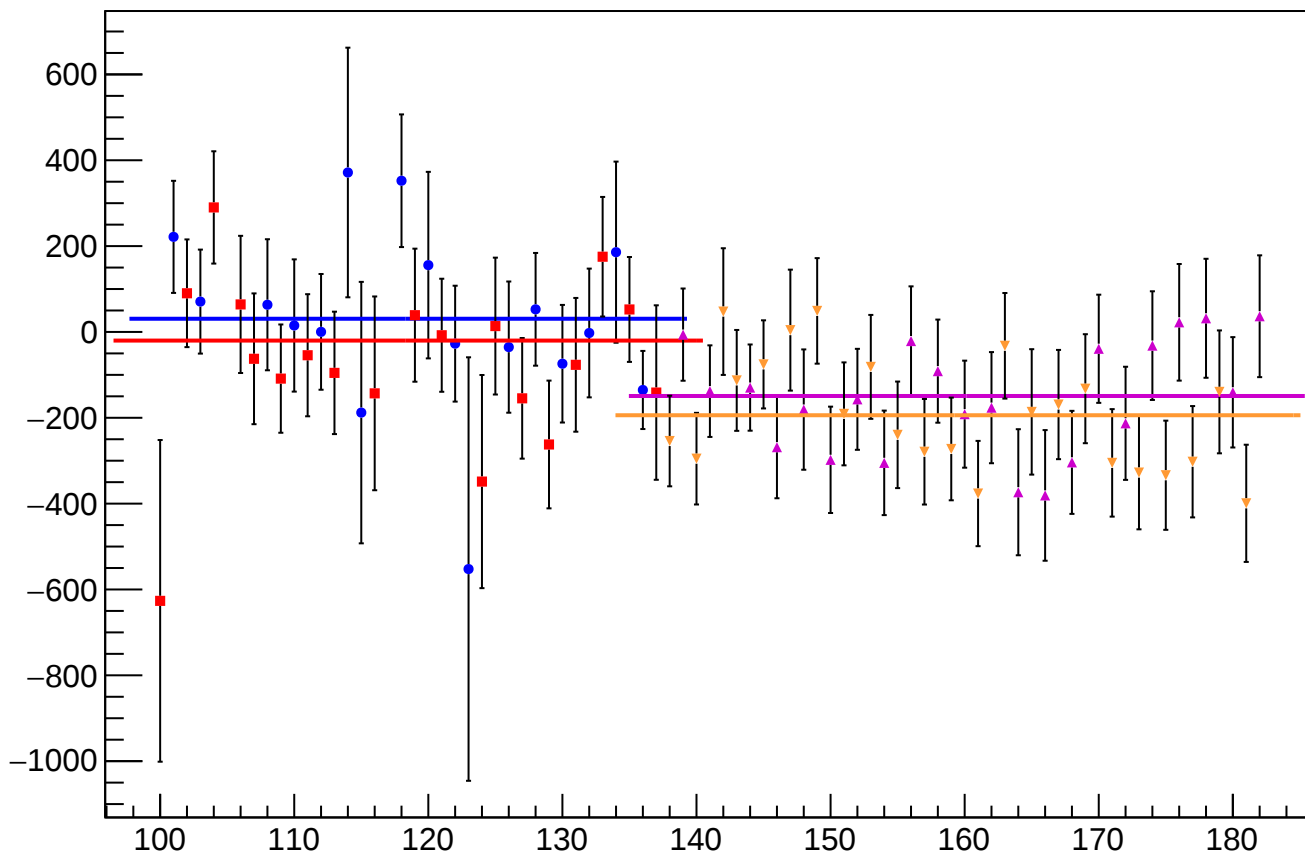
Right: 1255.416 $\pm$ 0.253 χ^2 /NDF: 2523237.8/35

In: 1147.546 $\pm$ 0.170 χ^2 /NDF: 2017345.3/38

Out: 1138.334 $\pm$ 0.167 χ^2 /NDF: 2224791.3/41

All: 1142.841 $\pm$ 0.119 χ^2 /NDF: 4243629.1/80

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 30.740 ± 36.437 χ^2/NDF : 15.2/16

Left Out: -194.074 ± 25.873 χ^2/NDF : 23.8/22

Right Out: -20.110 ± 34.774 χ^2/NDF : 18.8/18

Left In: -149.219 ± 26.601 χ^2/NDF : 20.5/21

Left: -172.269 ± 18.547 χ^2/NDF : 45.9/44

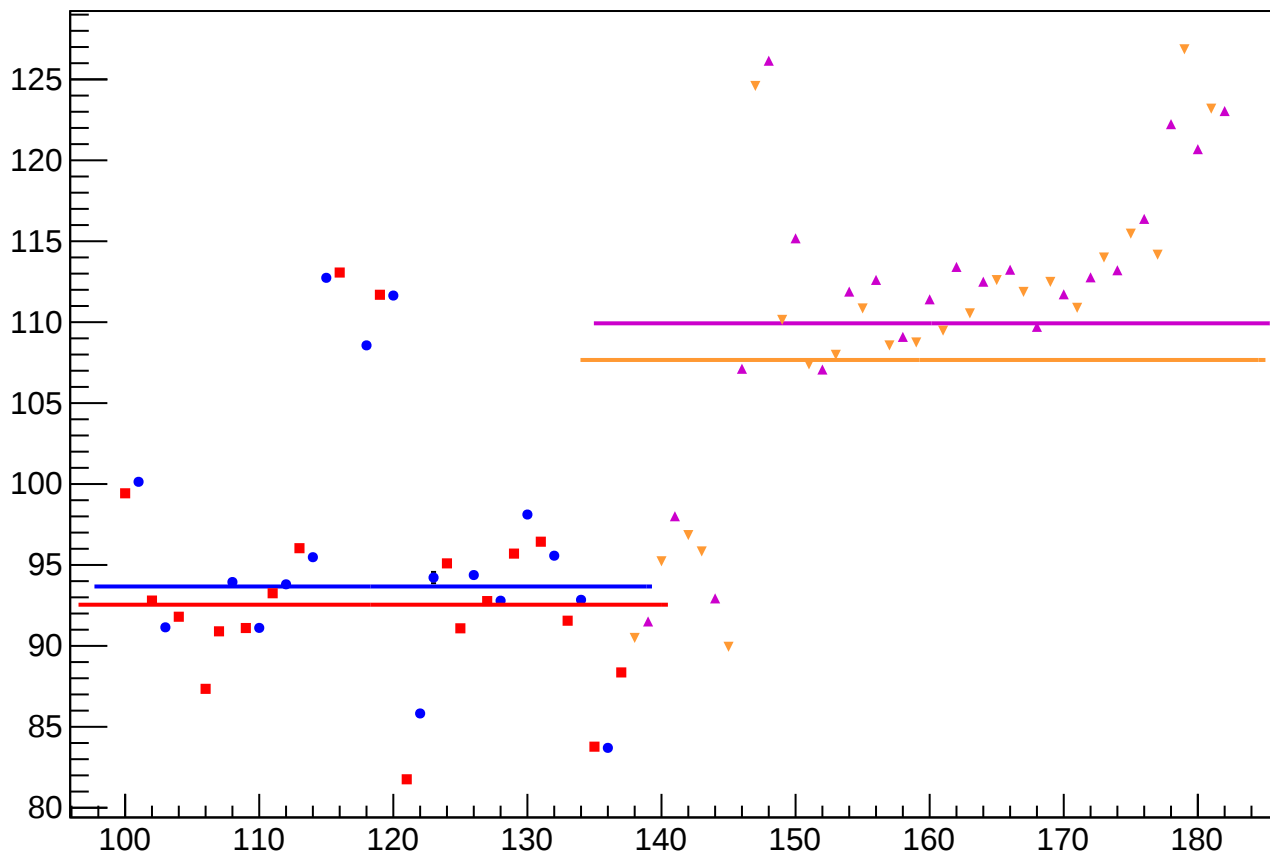
Right: 4.129 ± 25.156 χ^2/NDF : 35.0/35

In: -86.652 ± 21.485 χ^2/NDF : 51.7/38

Out: -132.087 ± 20.758 χ^2/NDF : 58.8/41

All: -110.151 ± 14.928 χ^2/NDF : 112.7/80

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.670+/-0.026 χ^2/NDF : 79871.5/16

Left Out: 107.665+/-0.018 χ^2/NDF : 291141.0/22

Right Out: 92.545+/-0.025 χ^2/NDF : 78872.3/18

Left In: 109.929+/-0.019 χ^2/NDF : 232559.9/21

Left: 108.766+/-0.013 χ^2/NDF : 531144.6/44

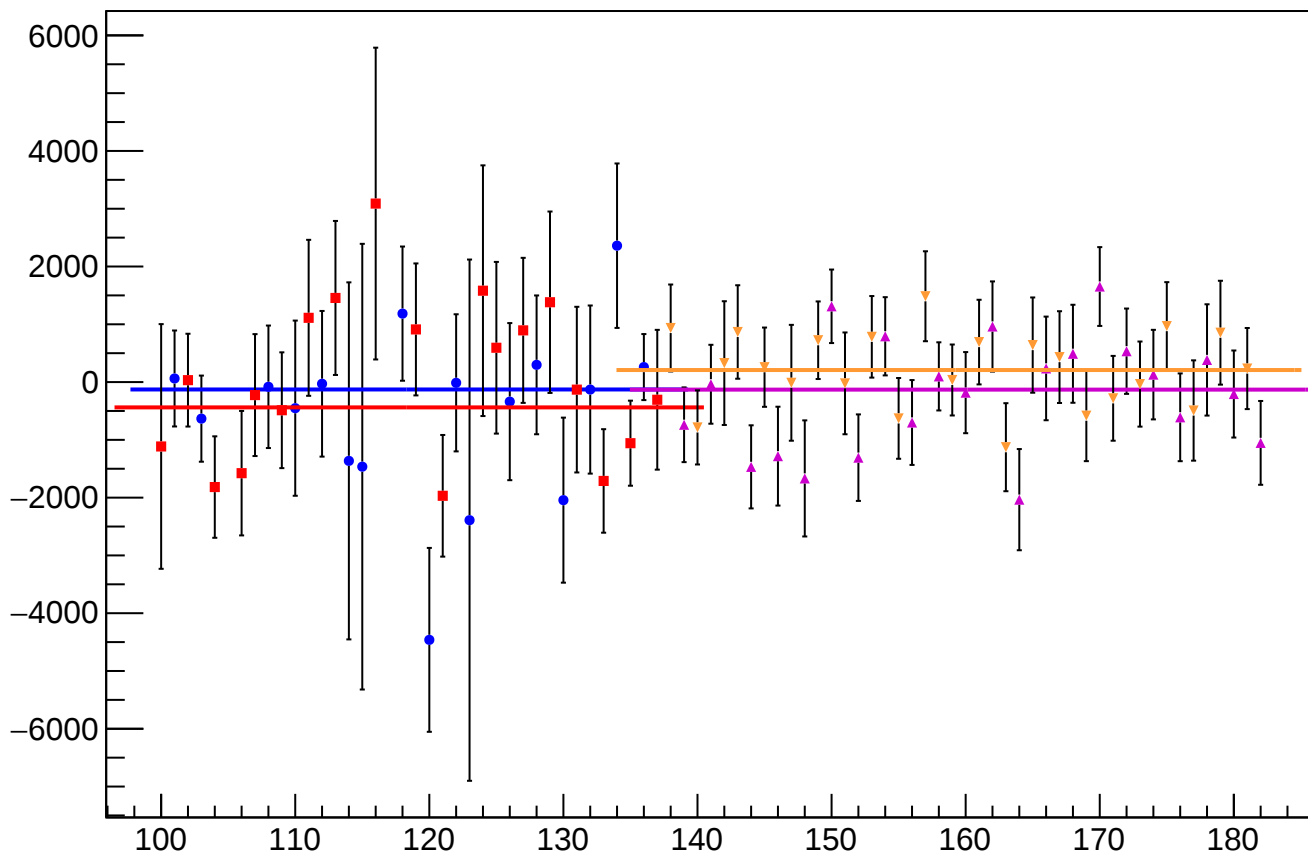
Right: 93.081+/-0.018 χ^2/NDF : 159742.9/35

In: 104.276+/-0.015 χ^2/NDF : 572194.5/38

Out: 102.277+/-0.015 χ^2/NDF : 613407.7/41

All: 103.243+/-0.011 χ^2/NDF : 1194556.5/80

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -127.998 ± 277.067 $\chi^2/\text{NDF}: 15.3/16$

Left Out: 208.386 ± 158.381 $\chi^2/\text{NDF}: 17.2/22$

Right Out: -438.094 ± 260.694 $\chi^2/\text{NDF}: 19.2/18$

Left In: -130.707 ± 158.653 $\chi^2/\text{NDF}: 36.2/21$

Left: 39.131 ± 112.088 $\chi^2/\text{NDF}: 55.7/44$

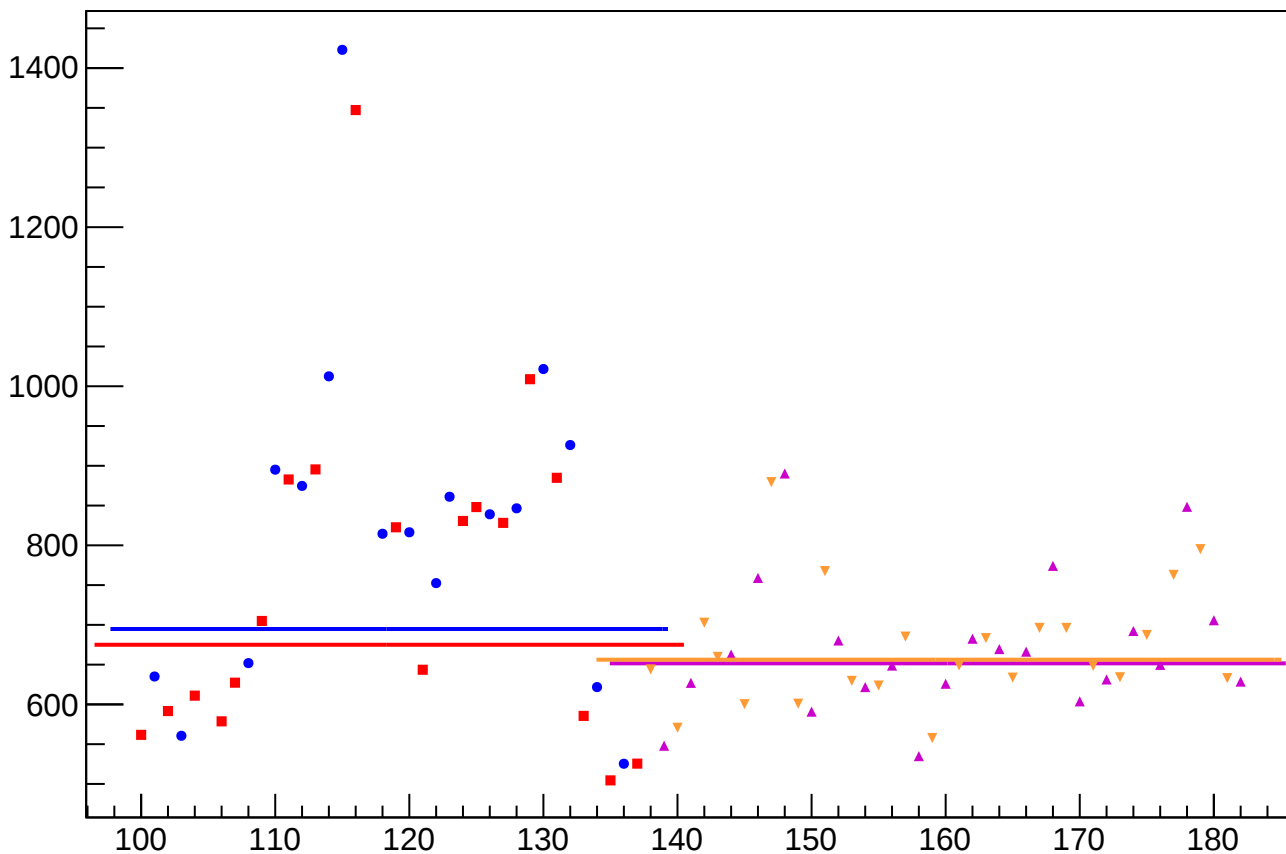
Right: -292.479 ± 189.863 $\chi^2/\text{NDF}: 35.2/35$

In: -130.038 ± 137.679 $\chi^2/\text{NDF}: 51.5/38$

Out: 34.100 ± 135.358 $\chi^2/\text{NDF}: 40.9/41$

All: -46.574 ± 96.523 $\chi^2/\text{NDF}: 93.1/80$

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 694.803 $\pm$ 0.196 χ^2 /NDF: 677838.4/16

Left Out: 656.221 $\pm$ 0.112 χ^2 /NDF: 359424.2/22

Right Out: 674.986 $\pm$ 0.184 χ^2 /NDF: 679698.0/18

Left In: 651.617 $\pm$ 0.112 χ^2 /NDF: 463840.0/21

Left: 653.923 $\pm$ 0.079 χ^2 /NDF: 824107.8/44

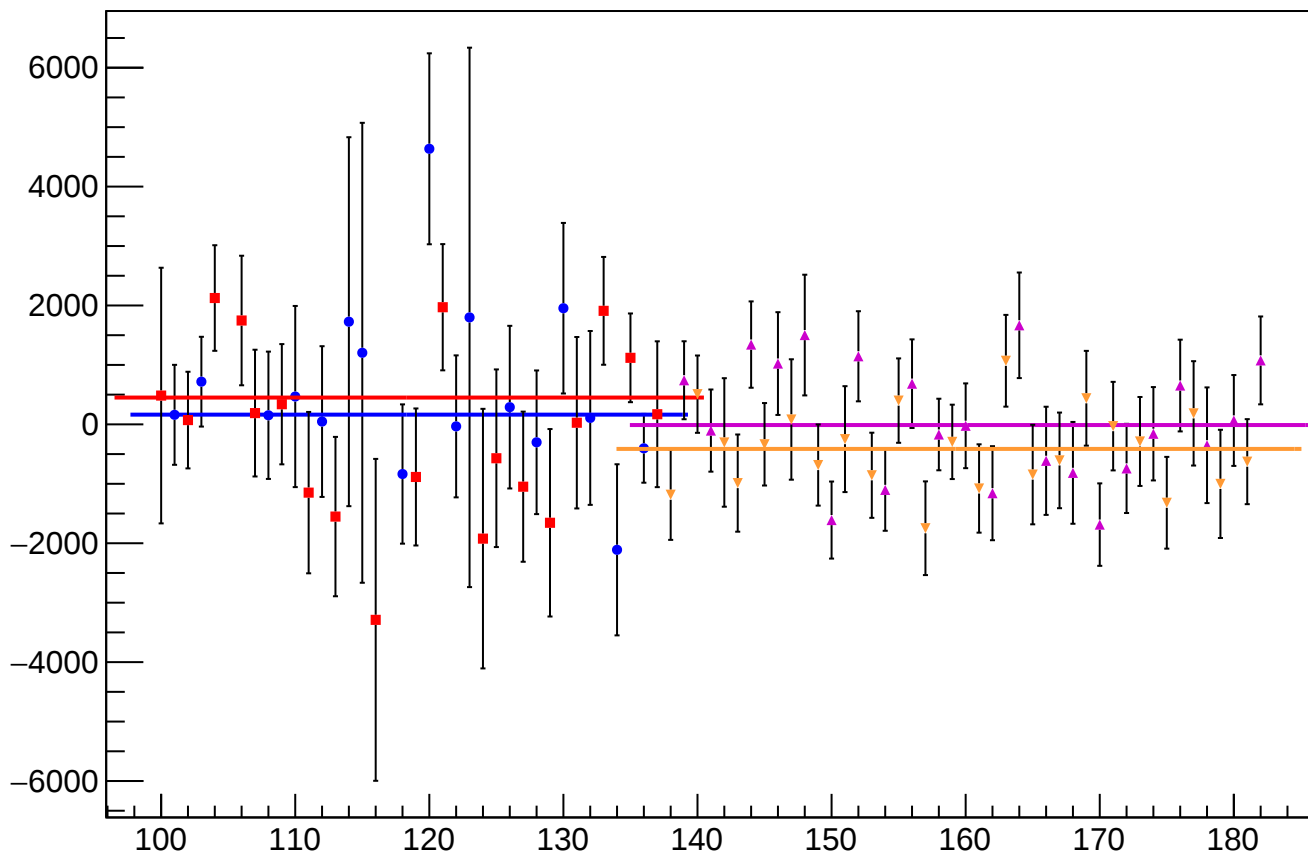
Right: 684.291 $\pm$ 0.134 χ^2 /NDF: 1362963.3/35

In: 662.281 $\pm$ 0.097 χ^2 /NDF: 1178269.8/38

Out: 661.280 $\pm$ 0.096 χ^2 /NDF: 1046691.1/41

All: 661.772 $\pm$ 0.068 χ^2 /NDF: 2225014.6/80

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 163.513+/-279.836 χ^2/NDF : 14.7/16

Left Out: -413.008+/-160.612 χ^2/NDF :17.2/22

Right Out: 450.889+/-263.386 χ^2/NDF : 22.5/18

Left In: -11.432+/-161.011 χ^2/NDF :37.2/21

Left: -212.718+/-113.710 χ^2/NDF : 57.5/44

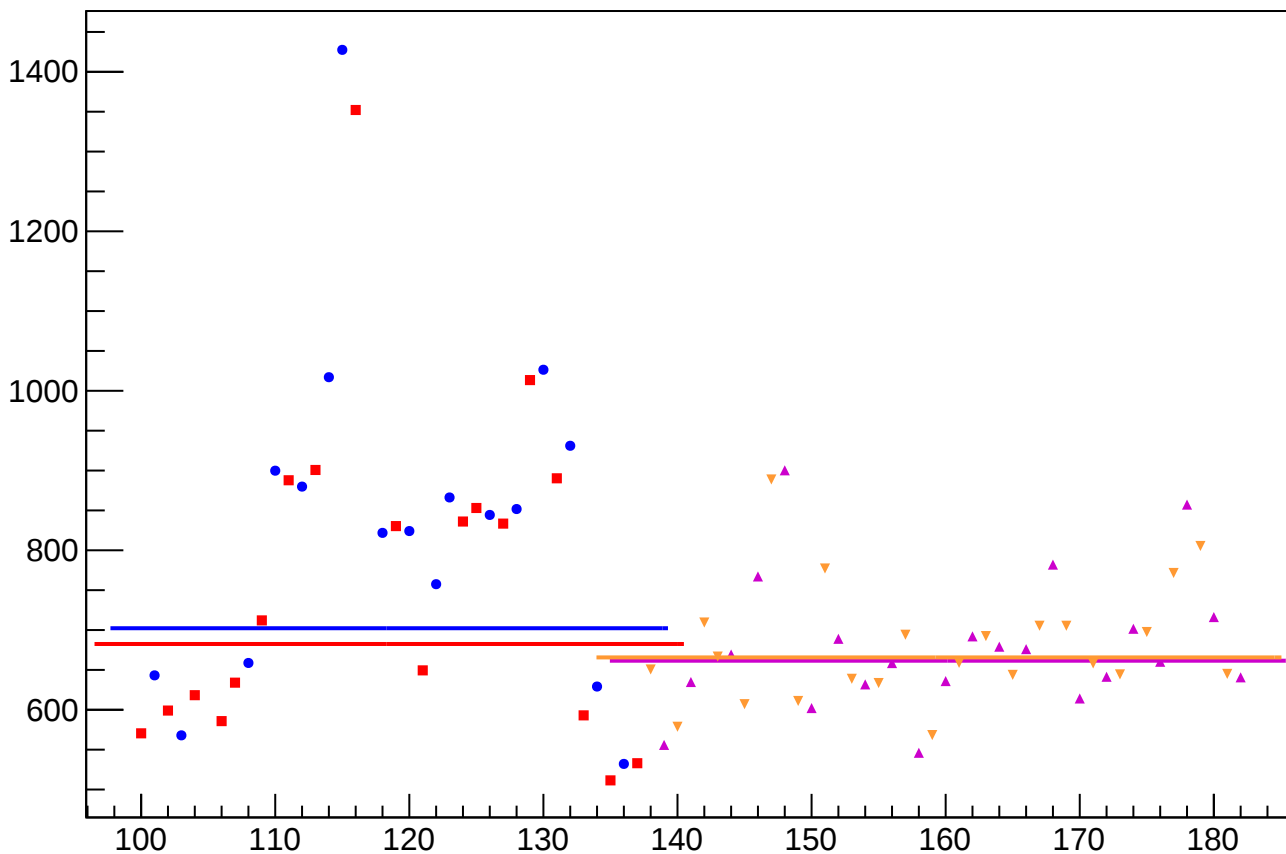
Right: 315.895+/-191.794 χ^2/NDF : 37.8/35

In: 32.080+/-139.559 χ^2/NDF :52.2/38

Out: -178.841+/-137.127 χ^2/NDF :47.6/41

All: -75.234+/-97.812 χ^2/NDF : 100.9/80

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.265 $\pm$ 0.198 χ^2 /NDF: 660691.4/16

Left Out: 665.664 $\pm$ 0.114 χ^2 /NDF: 350181.2/22

Right Out: 682.505 $\pm$ 0.186 χ^2 /NDF: 662840.9/18

Left In: 661.539 $\pm$ 0.114 χ^2 /NDF: 447425.2/21

Left: 663.607 $\pm$ 0.080 χ^2 /NDF: 798264.4/44

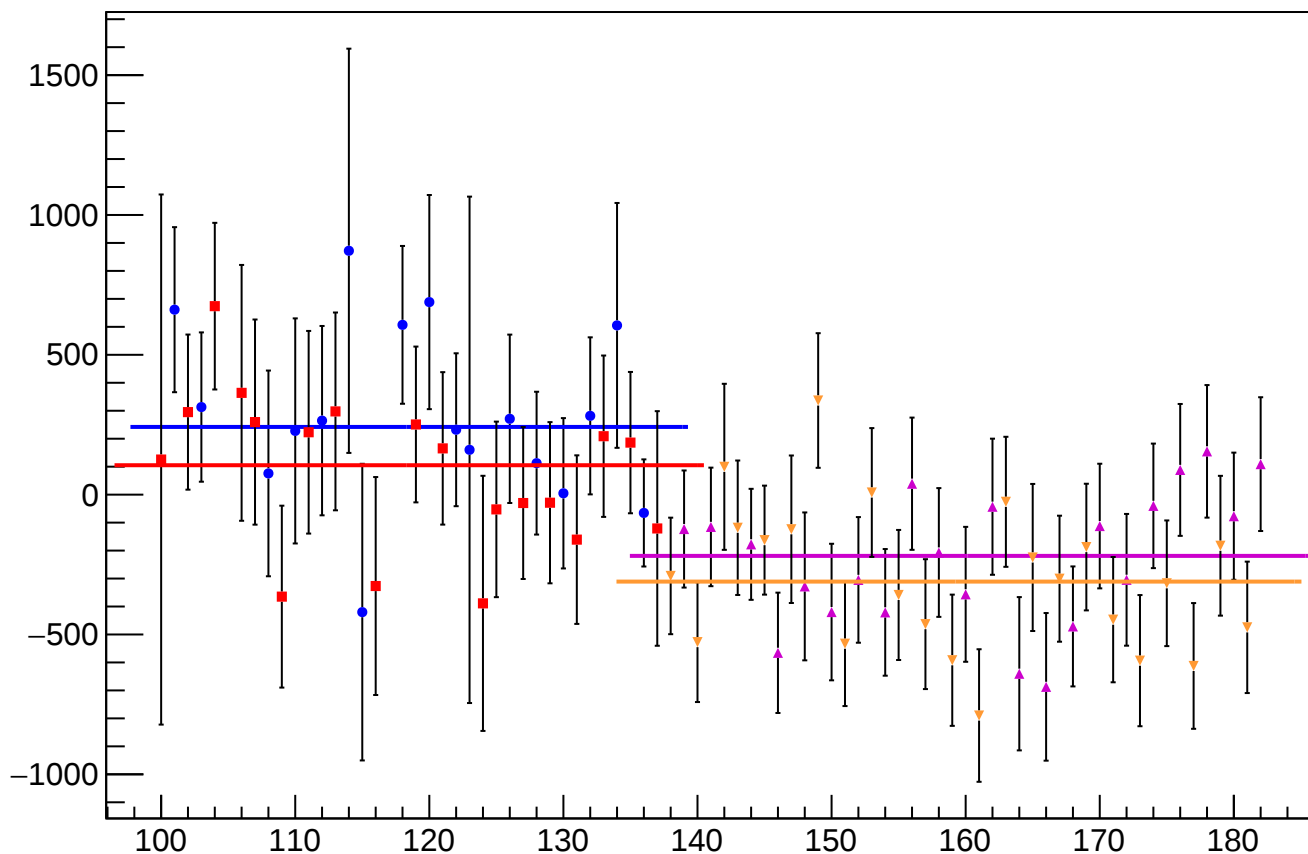
Right: 691.788 $\pm$ 0.136 χ^2 /NDF: 1328820.1/35

In: 671.669 $\pm$ 0.099 χ^2 /NDF: 1139941.9/38

Out: 670.229 $\pm$ 0.097 χ^2 /NDF: 1018982.4/41

All: 670.936 $\pm$ 0.069 χ^2 /NDF: 2159032.6/80

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 242.121 $\pm$ 76.105 χ^2 /NDF: 12.0/16

Left Out: -310.867 $\pm$ 48.369 χ^2 /NDF:27.1/22

Right Out: 105.190 $\pm$ 74.426 χ^2 /NDF: 11.8/18

Left In: -218.958 $\pm$ 49.166 χ^2 /NDF:21.3/21

Left: -265.663 $\pm$ 34.481 χ^2 /NDF: 50.1/44

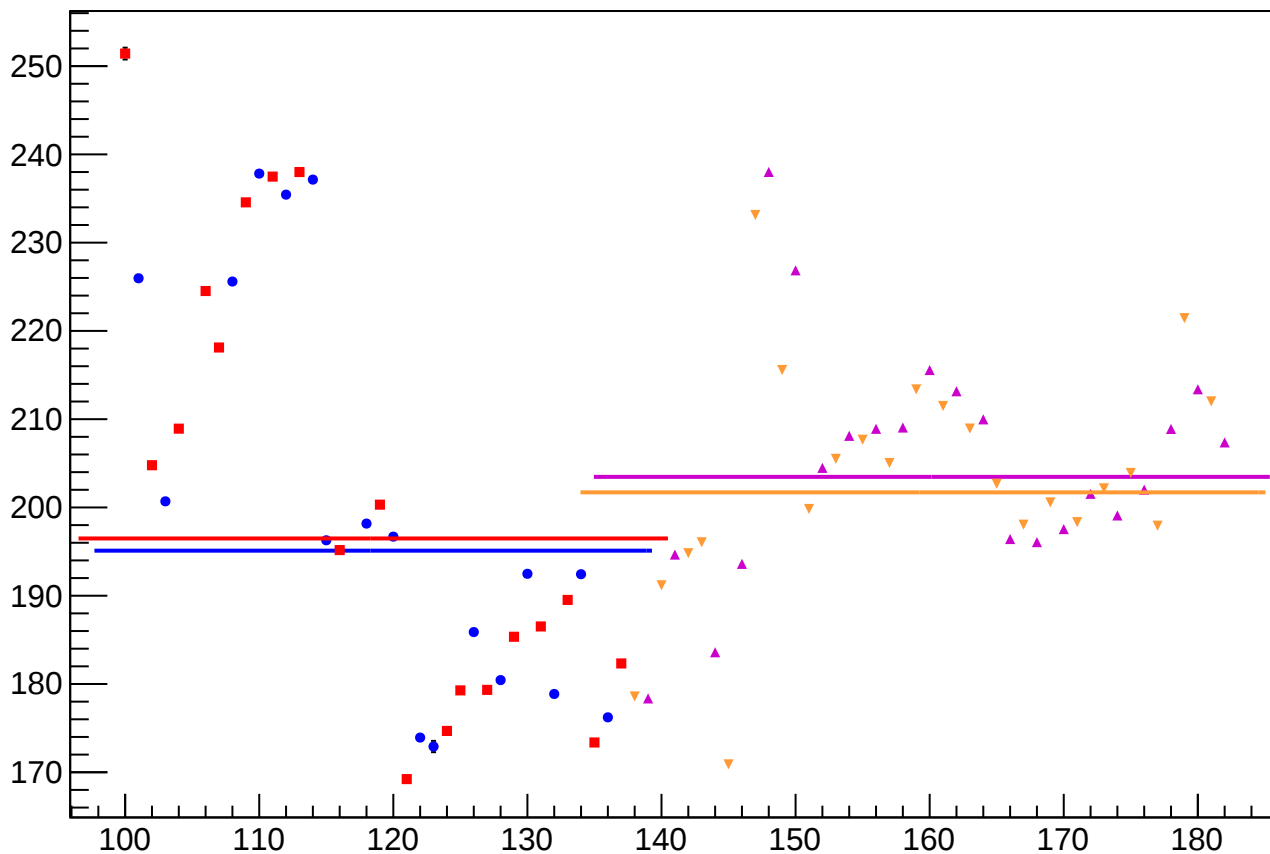
Right: 172.128 $\pm$ 53.211 χ^2 /NDF: 25.5/35

In: -83.189 $\pm$ 41.298 χ^2 /NDF:59.2/38

Out: -187.321 $\pm$ 40.557 χ^2 /NDF:60.9/41

All: -136.198 $\pm$ 28.936 χ^2 /NDF: 123.3/80

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 195.104 $\pm$ 0.054 χ^2/NDF : 142538.2/16

Left Out: 201.709 $\pm$ 0.034 χ^2/NDF :147541.2/22

Right Out: 196.488 $\pm$ 0.053 χ^2/NDF : 171375.7/18

Left In: 203.466 $\pm$ 0.035 χ^2/NDF :133005.1/21

Left: 202.573 $\pm$ 0.024 χ^2/NDF : 281843.9/44

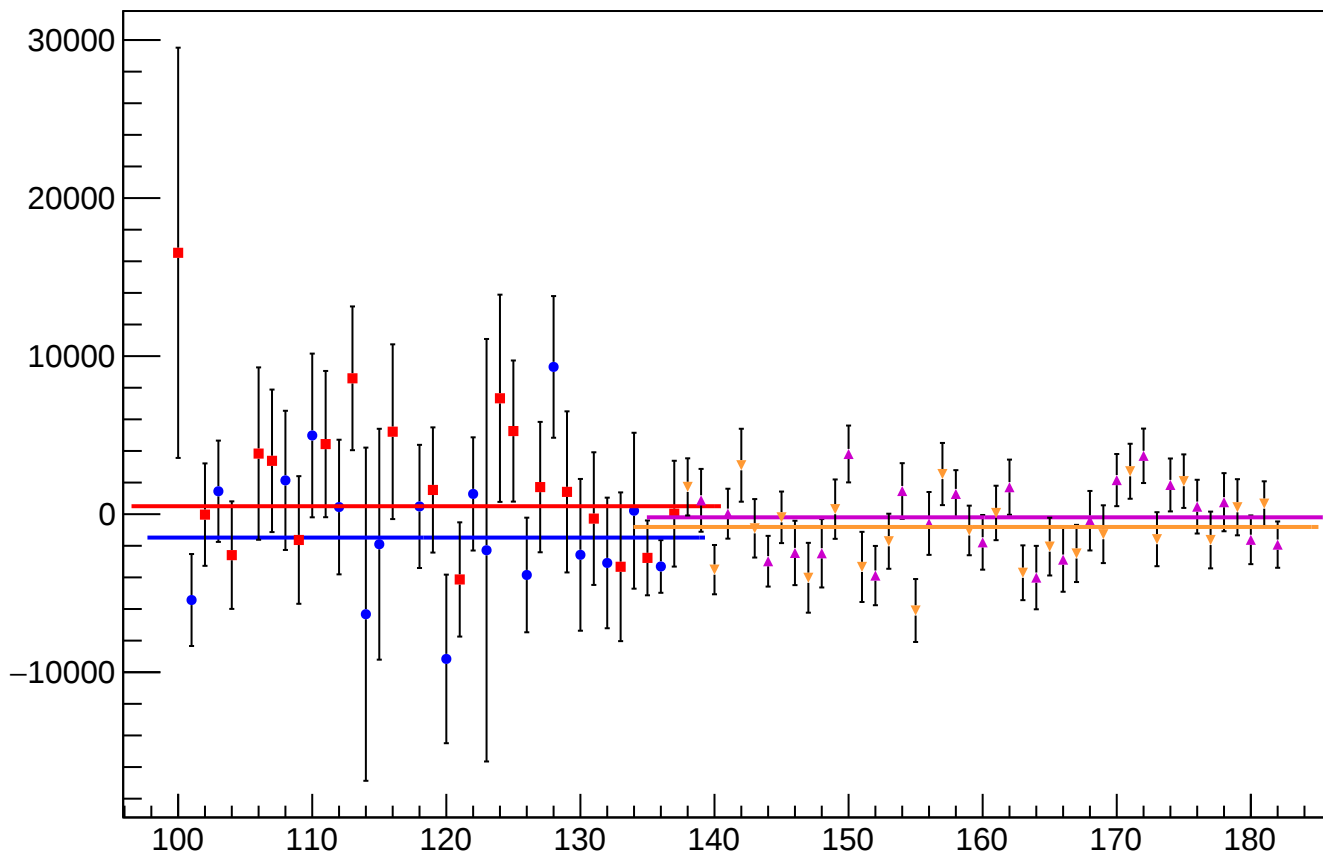
Right: 195.811 $\pm$ 0.038 χ^2/NDF : 314251.6/35

In: 201.004 $\pm$ 0.029 χ^2/NDF :292576.2/38

Out: 200.159 $\pm$ 0.029 χ^2/NDF :325837.7/41

All: 200.574 $\pm$ 0.020 χ^2/NDF : 618840.3/80

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1480.760 ± 912.560 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -809.206 ± 371.815 $\chi^2/\text{NDF}: 35.5/22$

Right Out: 503.732 ± 936.543 $\chi^2/\text{NDF}: 14.7/18$

Left In: -198.448 ± 374.440 $\chi^2/\text{NDF}: 35.1/21$

Left: -505.976 ± 263.836 $\chi^2/\text{NDF}: 71.9/44$

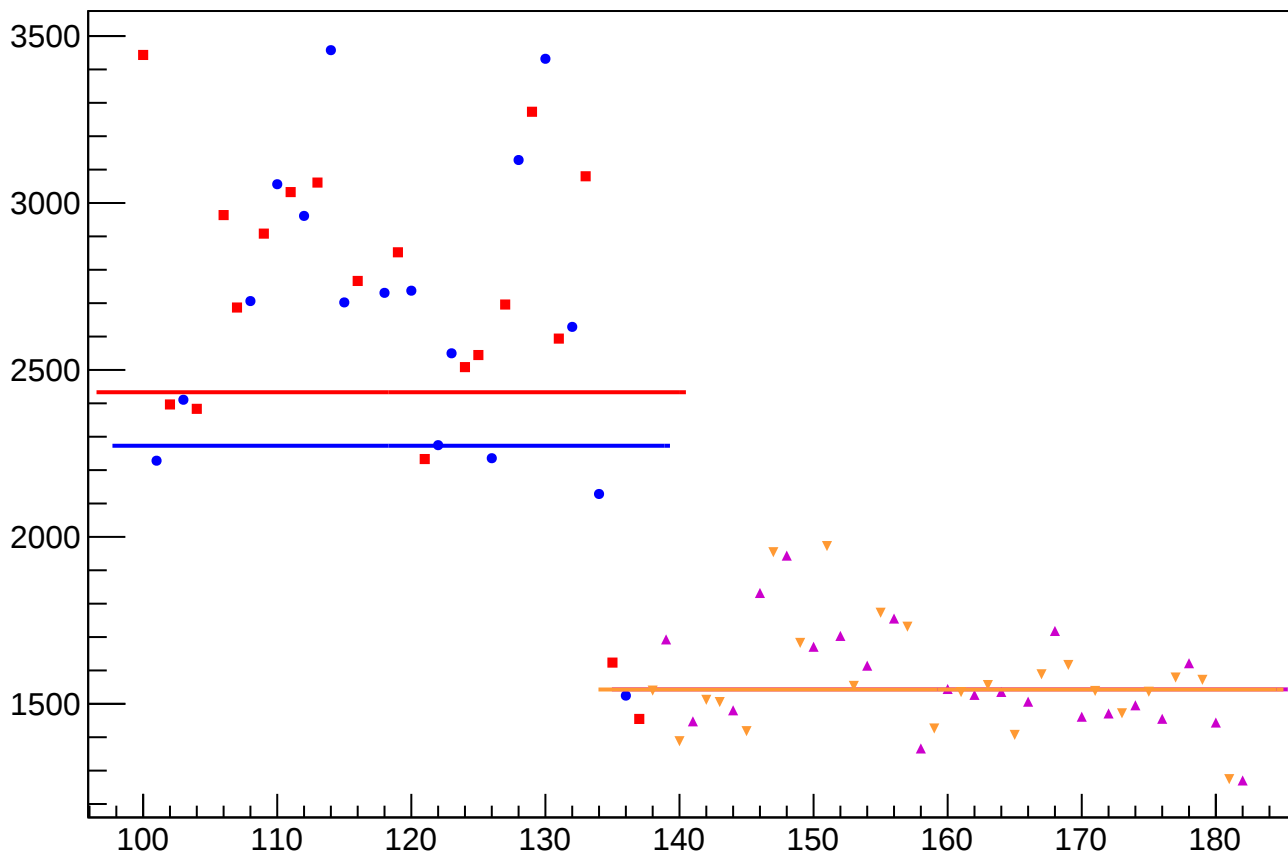
Right: -514.248 ± 653.591 $\chi^2/\text{NDF}: 33.0/35$

In: -383.230 ± 346.413 $\chi^2/\text{NDF}: 52.8/38$

Out: -630.443 ± 345.577 $\chi^2/\text{NDF}: 51.9/41$

All: -507.135 ± 244.655 $\chi^2/\text{NDF}: 104.9/80$

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.950+/-0.645 χ^2/NDF : 806901.4/16

Left Out: 1542.939+/-0.263 χ^2/NDF : 336748.9/22

Right Out: 2433.249+/-0.662 χ^2/NDF : 682781.3/18

Left In: 1543.306+/-0.265 χ^2/NDF : 323583.3/21

Left: 1543.121+/-0.187 χ^2/NDF : 660333.2/44

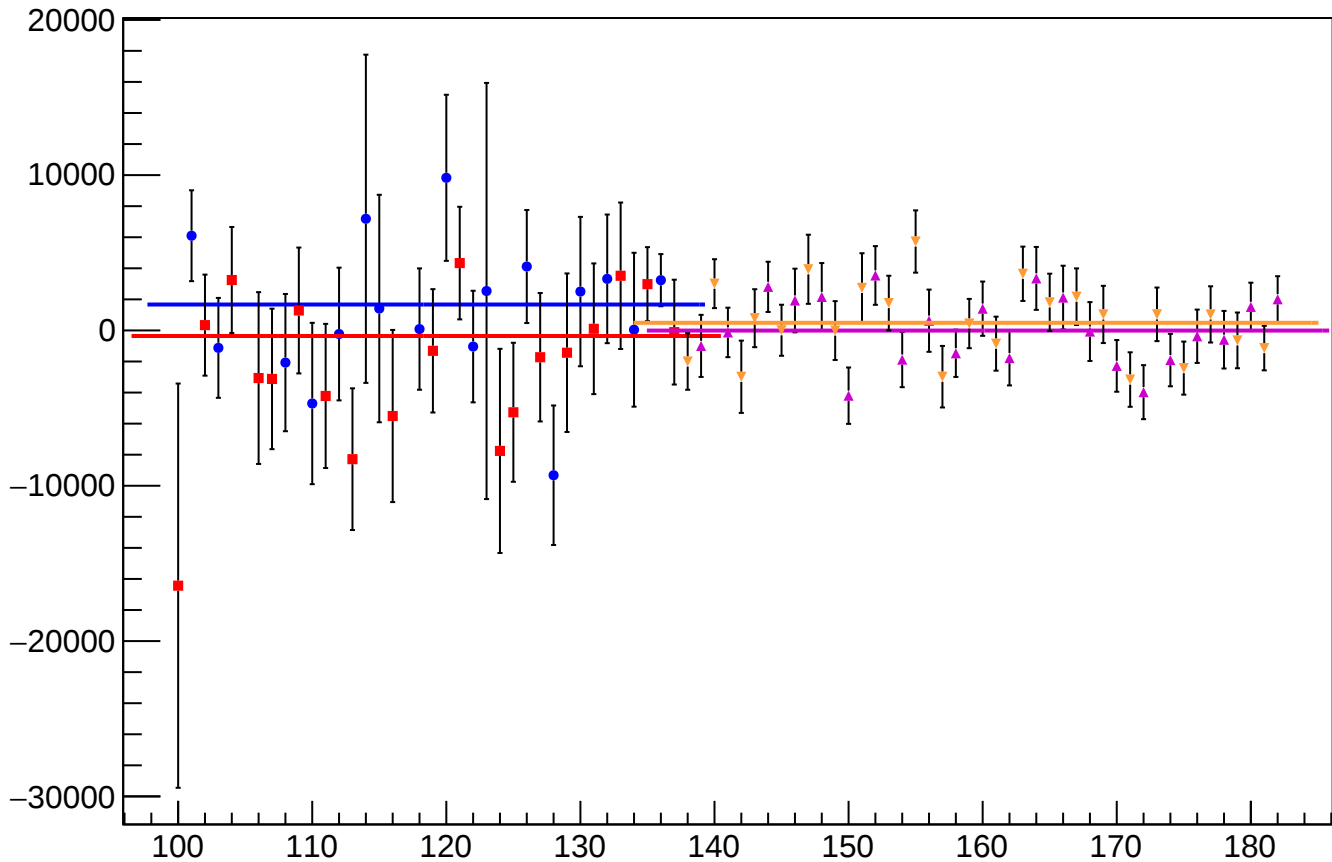
Right: 2351.021+/-0.462 χ^2/NDF : 1519738.5/35

In: 1648.448+/-0.245 χ^2/NDF : 2224826.1/38

Out: 1664.159+/-0.244 χ^2/NDF : 2580856.1/41

All: 1656.322+/-0.173 χ^2/NDF : 4807744.2/80

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1668.629 $\pm$ 916.594 χ^2 /NDF: 16.4/16

Left Out: 492.296 $\pm$ 375.134 χ^2 /NDF:35.1/22

Right Out: -358.685 $\pm$ 940.367 χ^2 /NDF: 15.1/18

Left In: -8.025 $\pm$ 377.844 χ^2 /NDF:32.9/21

Left: 243.936 $\pm$ 266.213 χ^2 /NDF: 68.9/44

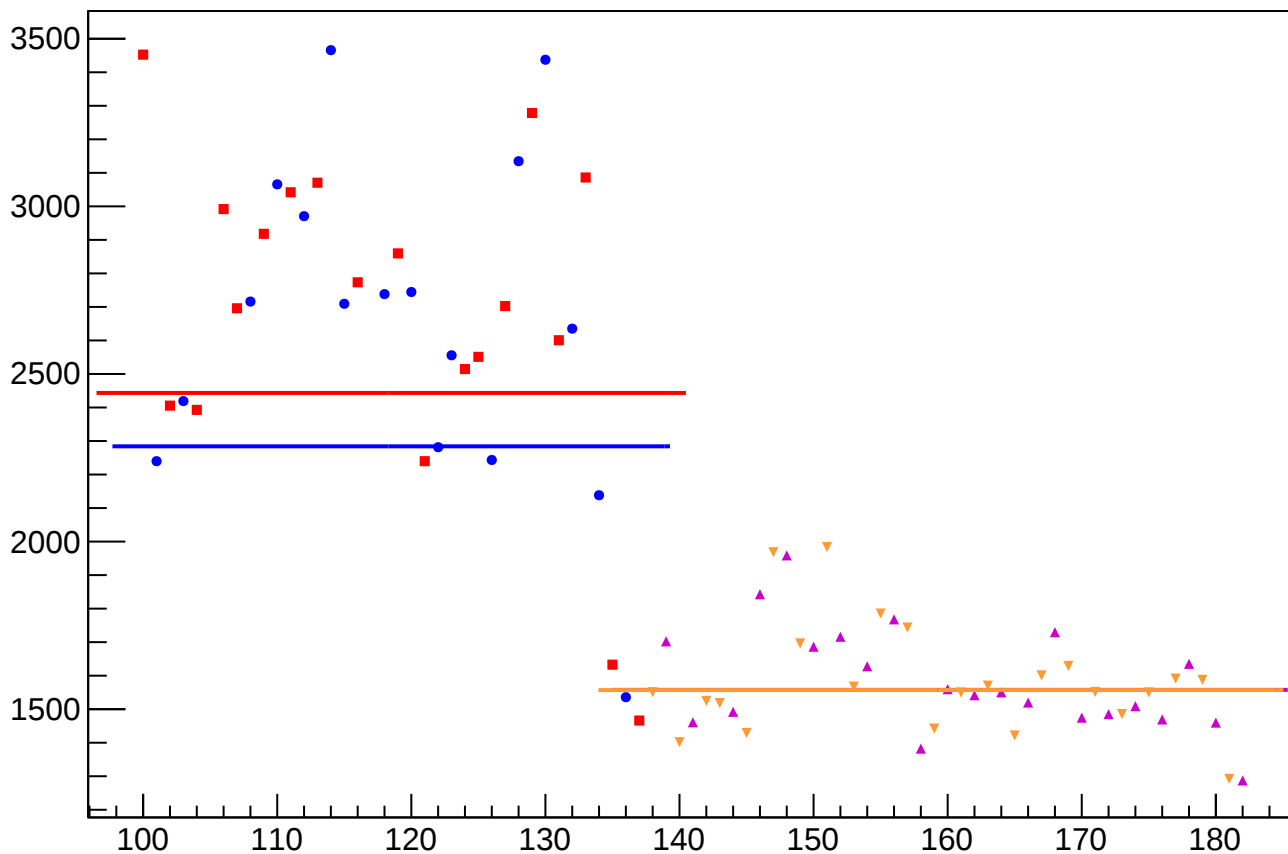
Right: 680.922 $\pm$ 656.373 χ^2 /NDF: 33.9/35

In: 235.506 $\pm$ 349.327 χ^2 /NDF:52.2/38

Out: 375.464 $\pm$ 348.432 χ^2 /NDF:50.9/41

All: 305.664 $\pm$ 246.695 χ^2 /NDF: 103.1/80

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.187 $\pm$ 0.648 χ^2/NDF : 795230.1/16

Left Out: 1557.025 $\pm$ 0.265 χ^2/NDF : 327605.5/22

Right Out: 2443.443 $\pm$ 0.665 χ^2/NDF : 674891.8/18

Left In: 1557.640 $\pm$ 0.267 χ^2/NDF : 313767.9/21

Left: 1557.331 $\pm$ 0.188 χ^2/NDF : 641376.0/44

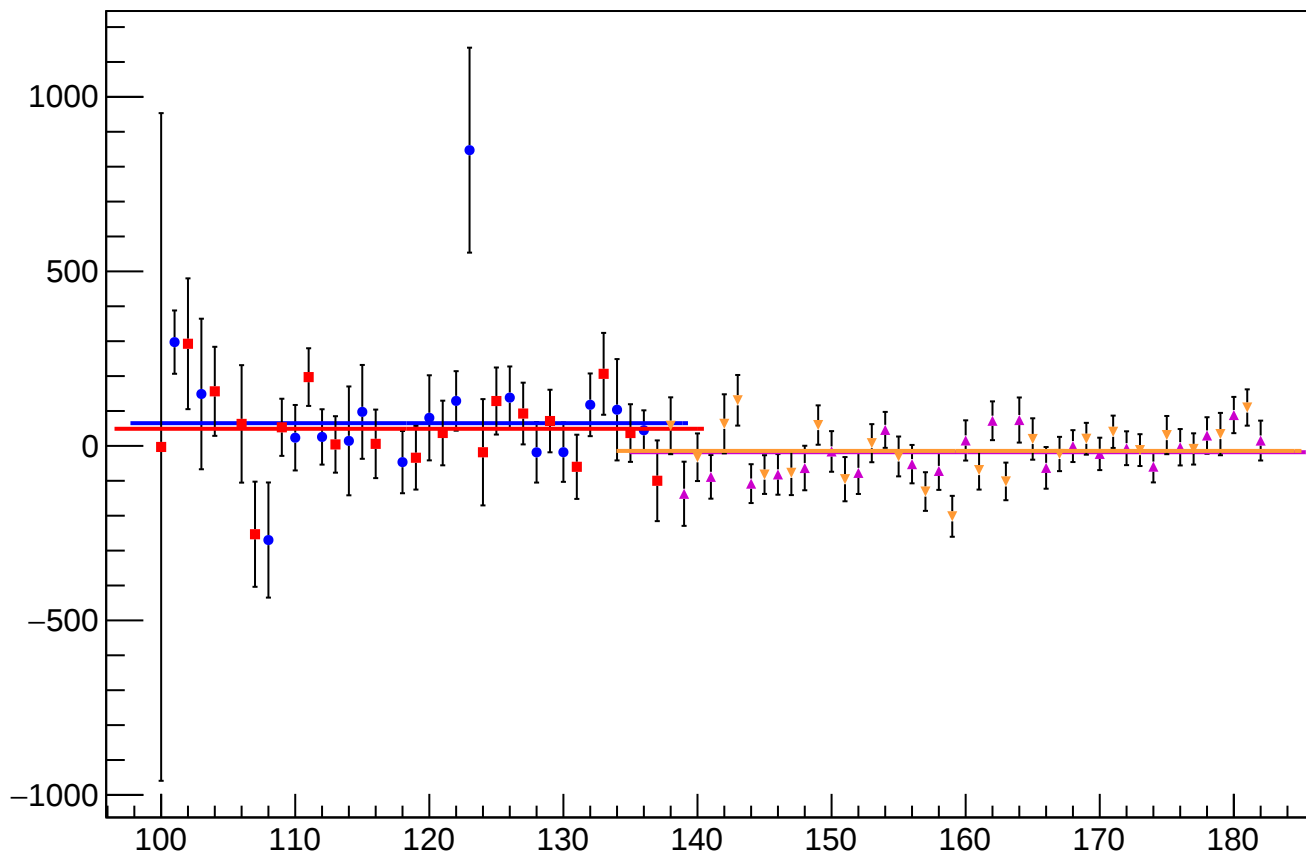
Right: 2361.777 $\pm$ 0.464 χ^2/NDF : 1499537.3/35

In: 1663.170 $\pm$ 0.247 χ^2/NDF : 2183096.3/38

Out: 1678.722 $\pm$ 0.246 χ^2/NDF : 2535619.6/41

All: 1670.966 $\pm$ 0.174 χ^2/NDF : 4720703.1/80

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 65.082 ± 23.794 $\chi^2/\text{NDF}: 23.8/16$

Left Out: -14.378 ± 11.660 $\chi^2/\text{NDF}: 39.4/22$

Right Out: 49.027 ± 23.731 $\chi^2/\text{NDF}: 17.1/18$

Left In: -18.113 ± 11.730 $\chi^2/\text{NDF}: 23.2/21$

Left: -16.234 ± 8.270 $\chi^2/\text{NDF}: 62.7/44$

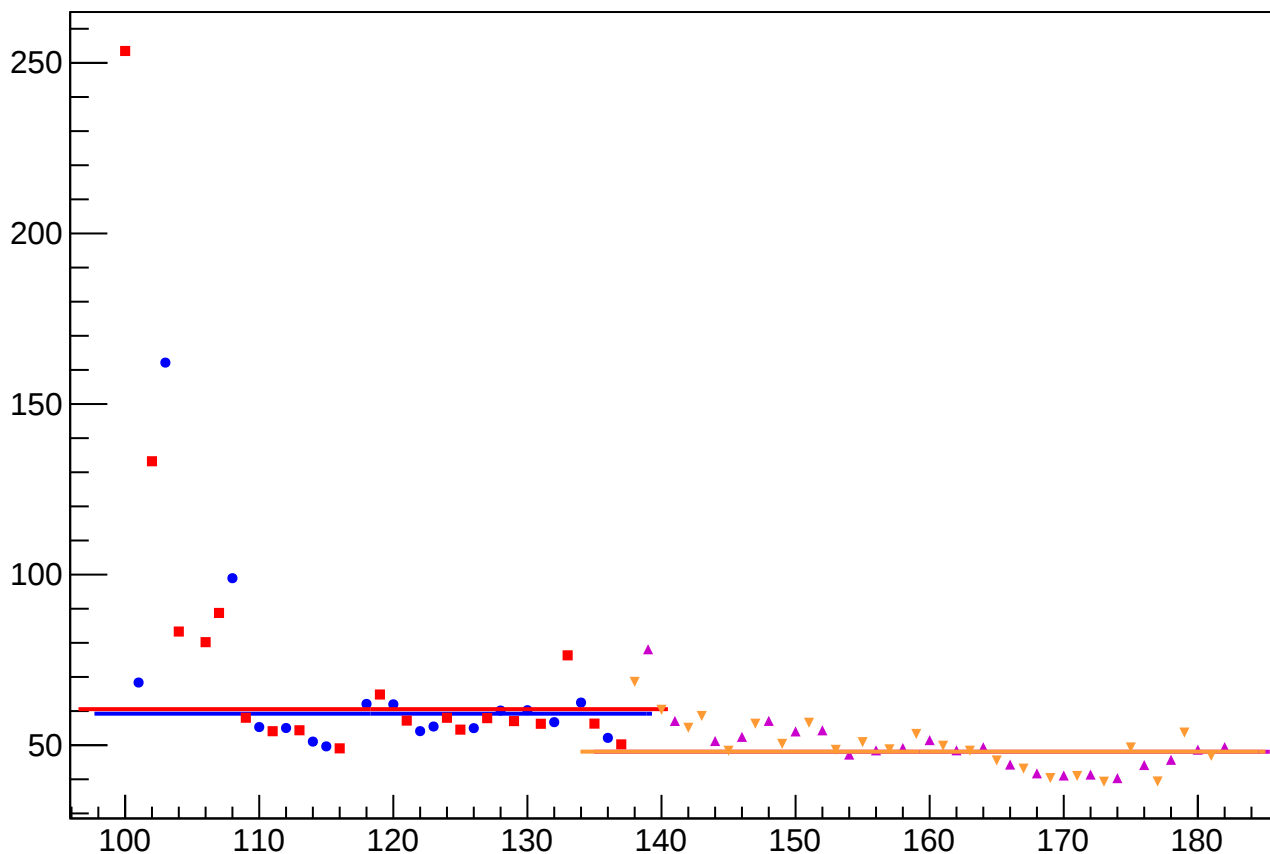
Right: 57.033 ± 16.803 $\chi^2/\text{NDF}: 41.1/35$

In: -1.847 ± 10.521 $\chi^2/\text{NDF}: 56.8/38$

Out: -2.047 ± 10.465 $\chi^2/\text{NDF}: 62.2/41$

All: -1.948 ± 7.420 $\chi^2/\text{NDF}: 119.0/80$

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.236+/-0.017 χ^2/NDF : 665304.8/16

Left Out: 48.111+/-0.008 χ^2/NDF : 640269.6/22

Right Out: 60.558+/-0.017 χ^2/NDF : 678218.1/18

Left In: 48.070+/-0.008 χ^2/NDF : 569941.0/21

Left: 48.090+/-0.006 χ^2/NDF : 1210222.6/44

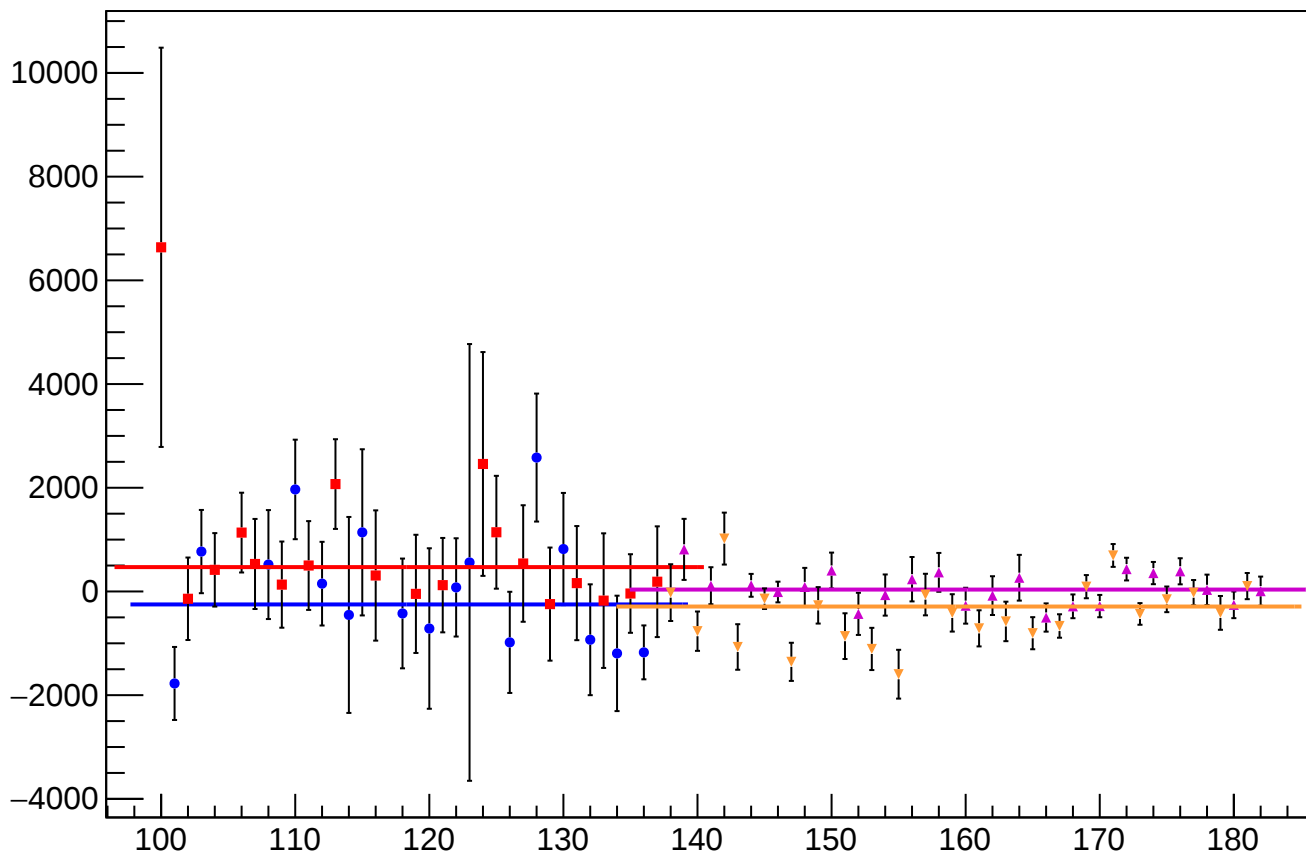
Right: 59.898+/-0.012 χ^2/NDF : 1346618.9/35

In: 50.253+/-0.007 χ^2/NDF : 1589558.8/38

Out: 50.531+/-0.007 χ^2/NDF : 1761700.7/41

All: 50.393+/-0.005 χ^2/NDF : 3351962.4/80

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -250.295 ± 234.463 χ^2/NDF : 24.6/16

Left Out: -290.672 ± 62.378 χ^2/NDF : 69.7/22

Right Out: 469.693 ± 222.800 χ^2/NDF : 10.4/18

Left In: 36.395 ± 60.881 χ^2/NDF : 23.5/21

Left: -123.168 ± 43.569 χ^2/NDF : 107.3/44

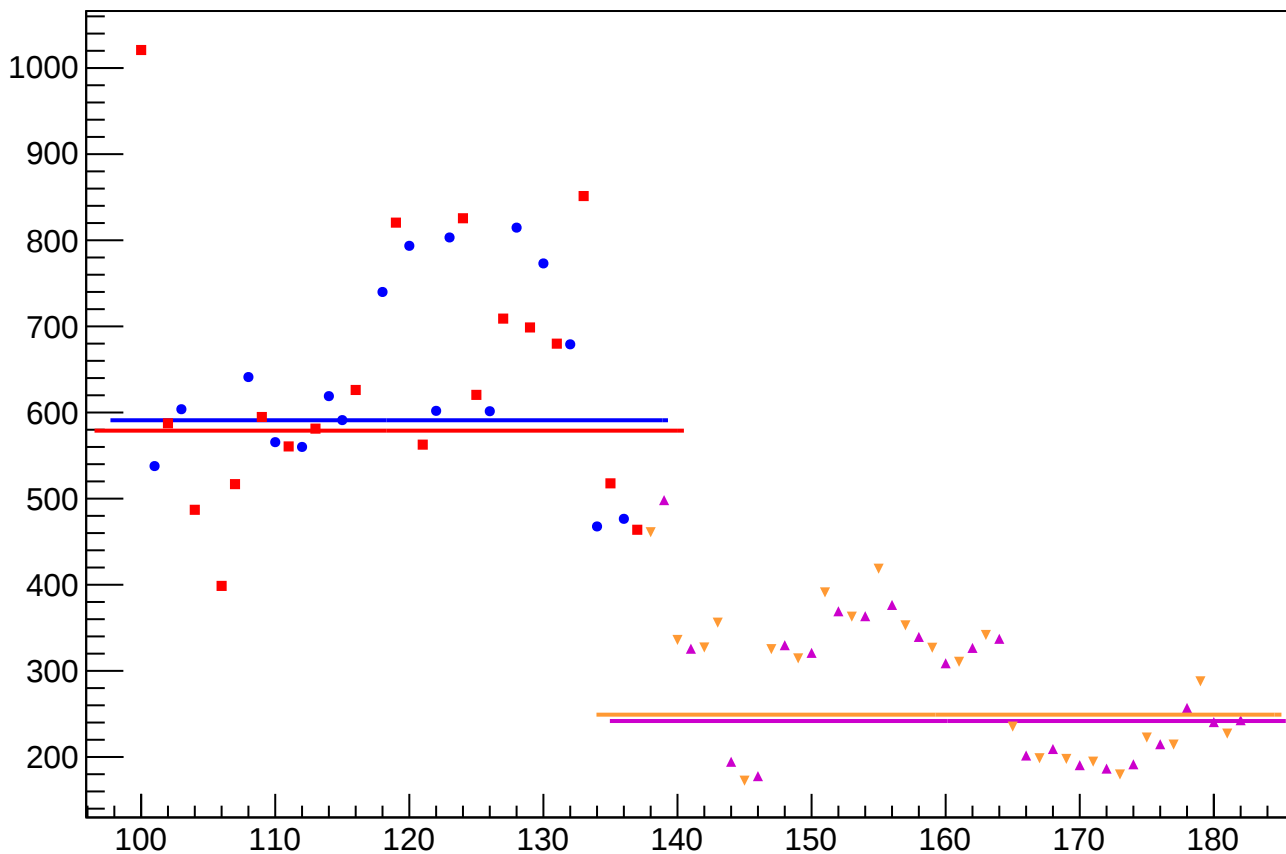
Right: 128.051 ± 161.509 χ^2/NDF : 39.9/35

In: 18.286 ± 58.927 χ^2/NDF : 49.5/38

Out: -235.404 ± 60.068 χ^2/NDF : 90.9/41

All: -106.127 ± 42.065 χ^2/NDF : 149.5/80

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 591.003+/-0.166 χ^2/NDF : 358207.6/16

Left Out: 249.156+/-0.044 χ^2/NDF : 2716445.4/22

Right Out: 578.937+/-0.158 χ^2/NDF : 496440.2/18

Left In: 241.766+/-0.043 χ^2/NDF : 2461608.5/21

Left: 245.371+/-0.031 χ^2/NDF : 5192430.6/44

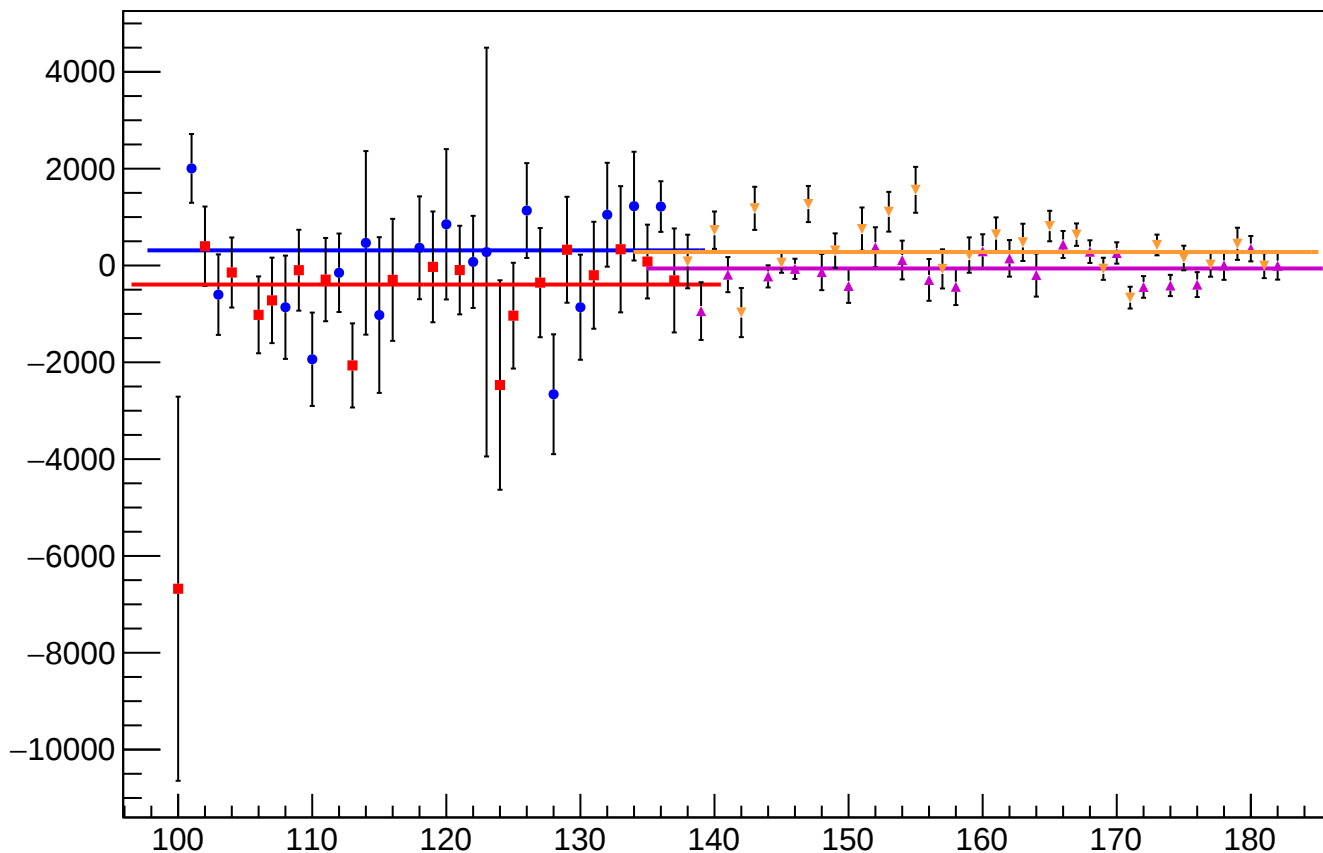
Right: 584.662+/-0.114 χ^2/NDF : 857430.8/35

In: 263.826+/-0.042 χ^2/NDF : 6976858.1/38

Out: 273.127+/-0.042 χ^2/NDF : 7276178.9/41

All: 268.387+/-0.030 χ^2/NDF : 14277472.5/80

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 312.362 ± 236.449 χ^2/NDF : 26.5/16

Left Out: 278.343 ± 63.652 χ^2/NDF : 63.0/22

Right Out: -393.265 ± 225.354 χ^2/NDF : 10.8/18

Left In: -61.569 ± 62.243 χ^2/NDF : 25.1/21

Left: 104.585 ± 44.502 χ^2/NDF : 102.7/44

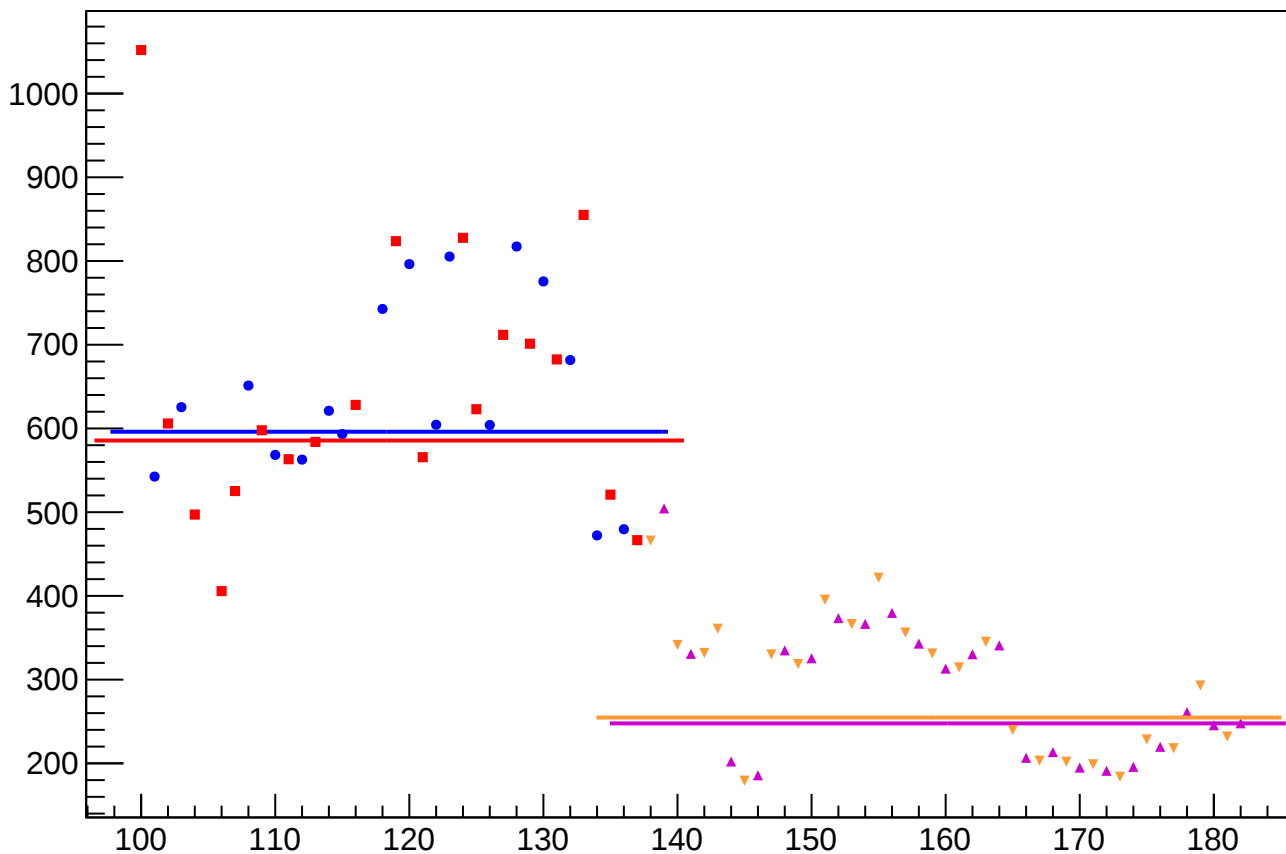
Right: -57.395 ± 163.130 χ^2/NDF : 42.0/35

In: -37.336 ± 60.193 χ^2/NDF : 54.0/38

Out: 228.721 ± 61.255 χ^2/NDF : 82.0/41

All: 93.366 ± 42.933 χ^2/NDF : 145.6/80

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 596.086 $\pm$ 0.167 χ^2/NDF : 355935.3/16

Left Out: 254.726 $\pm$ 0.045 χ^2/NDF :2603502.4/22

Right Out: 585.628 $\pm$ 0.159 χ^2/NDF : 476874.8/18

Left In: 247.722 $\pm$ 0.044 χ^2/NDF :2339105.3/21

Left: 251.146 $\pm$ 0.031 χ^2/NDF : 4954987.8/44

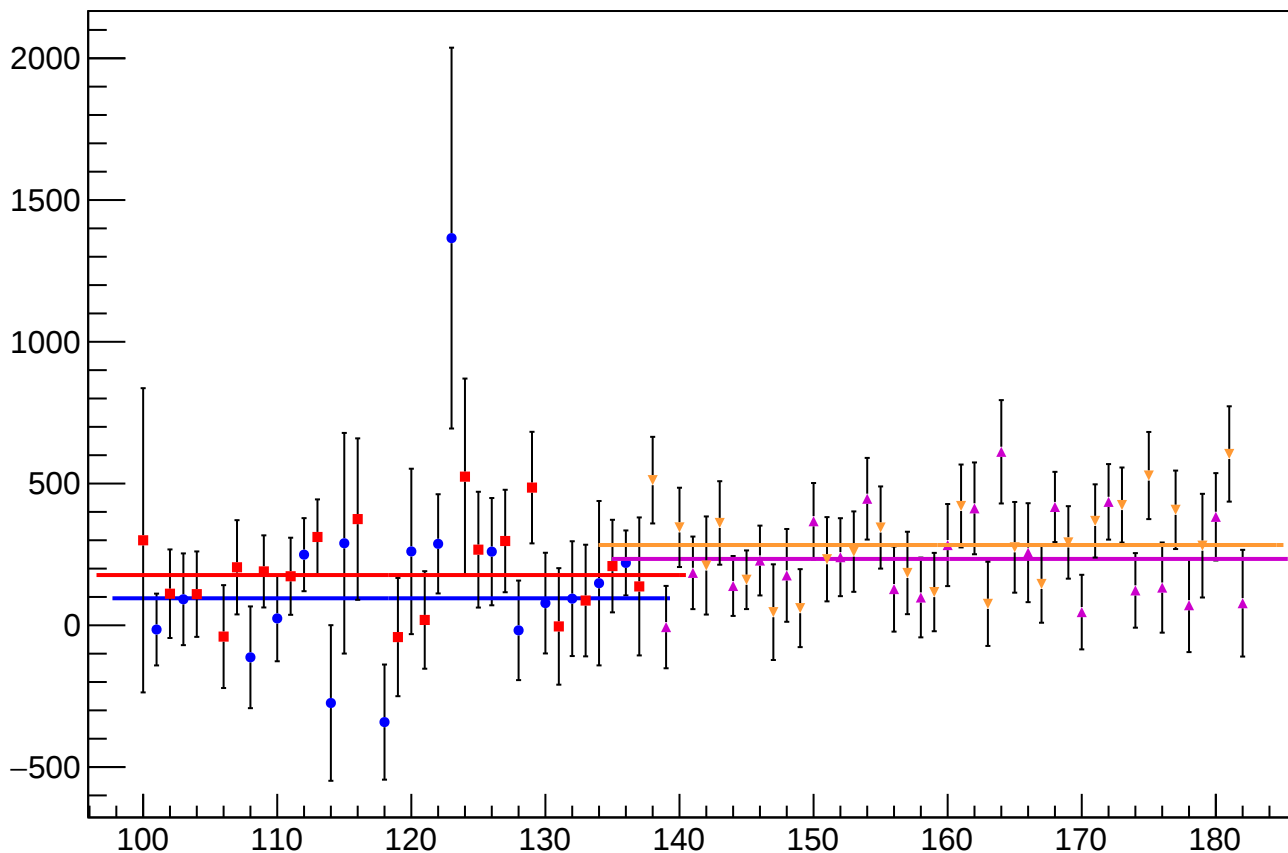
Right: 590.606 $\pm$ 0.115 χ^2/NDF : 834860.2/35

In: 270.298 $\pm$ 0.043 χ^2/NDF :6755019.5/38

Out: 279.175 $\pm$ 0.043 χ^2/NDF :7073974.4/41

All: 274.659 $\pm$ 0.030 χ^2/NDF : 13850362.2/80

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 95.316+/-43.397 χ^2/NDF : 17.9/16

Left Out: 283.231+/-29.882 χ^2/NDF : 23.5/22

Right Out: 177.269+/-41.181 χ^2/NDF : 10.5/18

Left In: 234.125+/-30.362 χ^2/NDF : 24.3/21

Left: 259.070+/-21.297 χ^2/NDF : 49.1/44

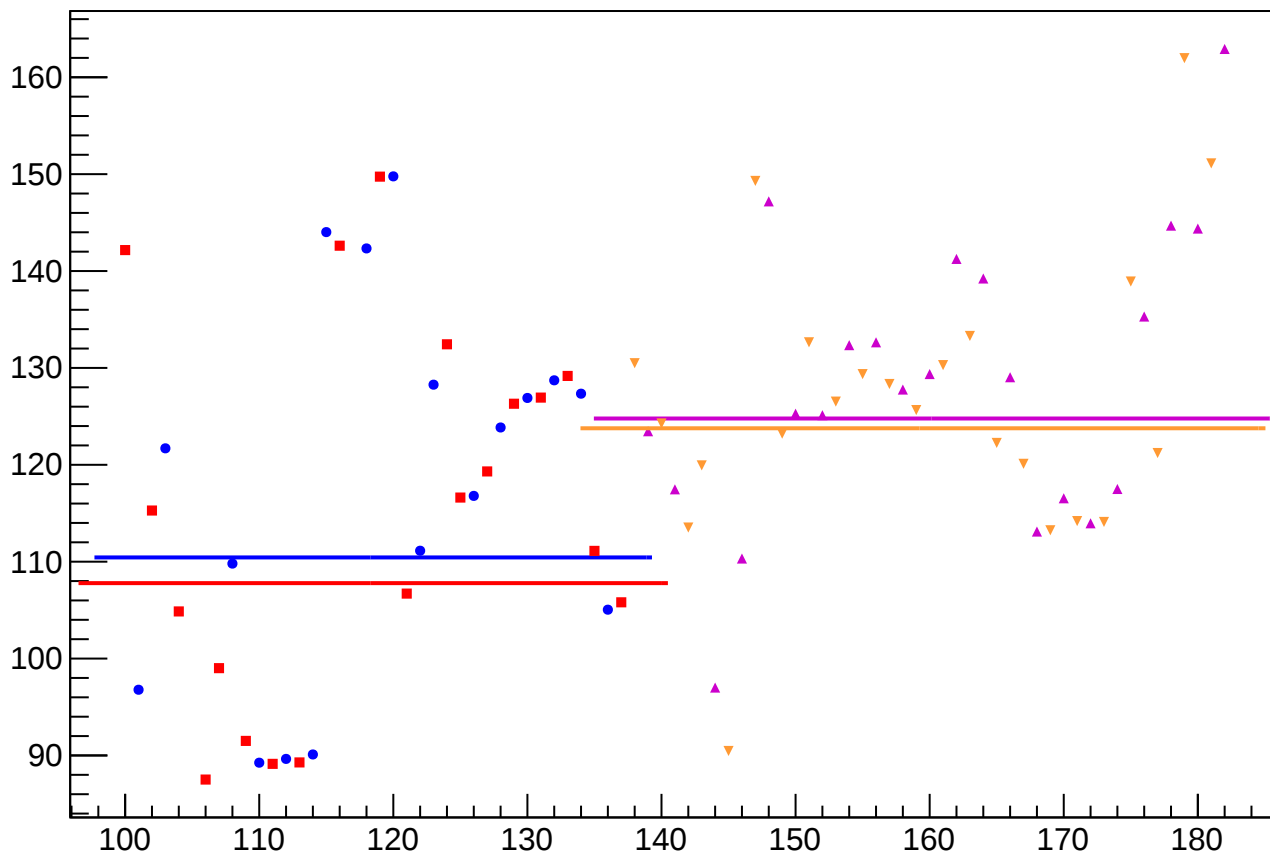
Right: 138.437+/-29.872 χ^2/NDF : 30.3/35

In: 188.507+/-24.878 χ^2/NDF : 49.1/38

Out: 246.683+/-24.185 χ^2/NDF : 38.4/41

All: 218.416+/-17.341 χ^2/NDF : 90.3/80

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.439 $\pm$ 0.031 χ^2 /NDF: 296029.7/16

Left Out: 123.770 $\pm$ 0.021 χ^2 /NDF: 487980.9/22

Right Out: 107.787 $\pm$ 0.029 χ^2 /NDF: 346139.4/18

Left In: 124.779 $\pm$ 0.021 χ^2 /NDF: 455469.4/21

Left: 124.266 $\pm$ 0.015 χ^2 /NDF: 944572.1/44

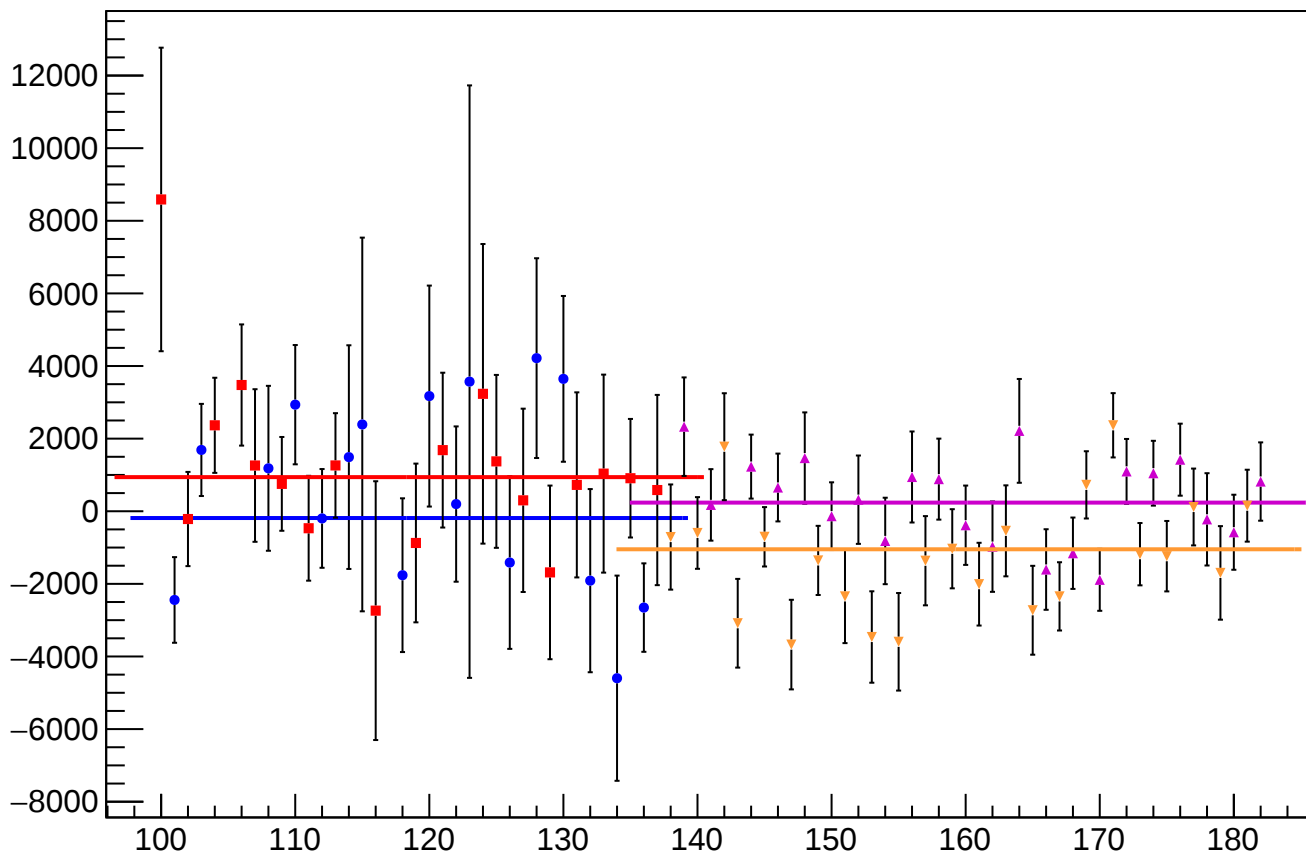
Right: 109.044 $\pm$ 0.021 χ^2 /NDF: 646100.5/35

In: 120.066 $\pm$ 0.018 χ^2 /NDF: 898098.9/38

Out: 118.257 $\pm$ 0.017 χ^2 /NDF: 1031471.2/41

All: 119.136 $\pm$ 0.012 χ^2 /NDF: 1935007.8/80

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -186.780 ± 465.749 $\chi^2/\text{NDF}: 25.0/16$

Left Out: -1047.506 ± 224.932 $\chi^2/\text{NDF}: 46.1/22$

Right Out: 939.774 ± 435.810 $\chi^2/\text{NDF}: 12.2/18$

Left In: 237.707 ± 225.049 $\chi^2/\text{NDF}: 24.8/21$

Left: -405.235 ± 159.092 $\chi^2/\text{NDF}: 87.2/44$

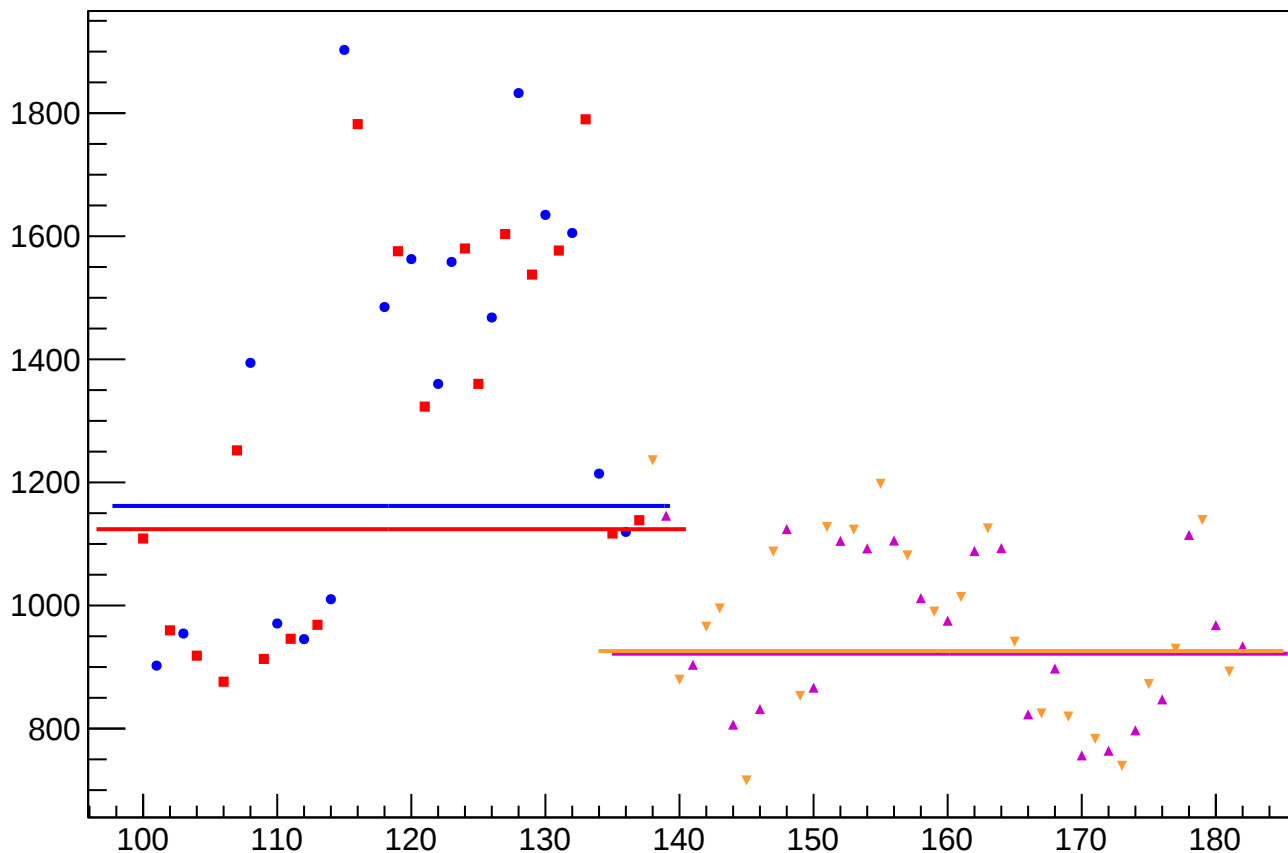
Right: 413.866 ± 318.222 $\chi^2/\text{NDF}: 40.3/35$

In: 157.358 ± 202.634 $\chi^2/\text{NDF}: 50.5/38$

Out: -629.482 ± 199.880 $\chi^2/\text{NDF}: 74.7/41$

All: -241.446 ± 142.300 $\chi^2/\text{NDF}: 132.8/80$

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.775 $\pm$ 0.329 χ^2 /NDF: 701230.3/16

Left Out: 925.985 $\pm$ 0.159 χ^2 /NDF: 822893.4/22

Right Out: 1123.975 $\pm$ 0.308 χ^2 /NDF: 769570.1/18

Left In: 921.683 $\pm$ 0.159 χ^2 /NDF: 633906.7/21

Left: 923.835 $\pm$ 0.112 χ^2 /NDF: 1457165.8/44

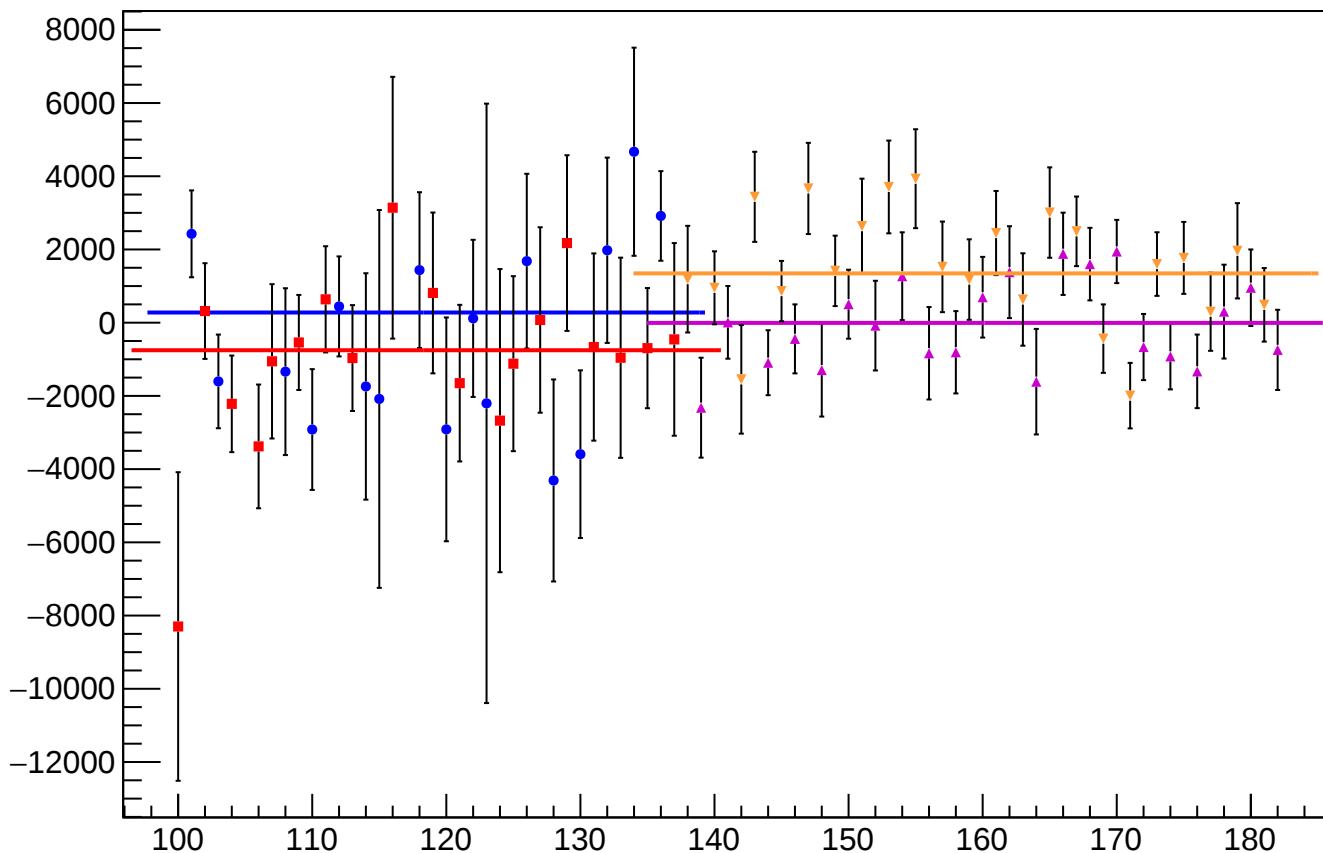
Right: 1141.621 $\pm$ 0.225 χ^2 /NDF: 1477824.2/35

In: 967.129 $\pm$ 0.143 χ^2 /NDF: 1766010.2/38

Out: 967.632 $\pm$ 0.141 χ^2 /NDF: 1918415.7/41

All: 967.384 $\pm$ 0.101 χ^2 /NDF: 3684432.2/80

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 277.871+/-468.037 χ^2/NDF : 25.3/16

Left Out: 1346.250+/-227.063 χ^2/NDF : 43.1/22

Right Out: -752.527+/-438.192 χ^2/NDF : 12.2/18

Left In: -5.946+/-227.237 χ^2/NDF : 26.1/21

Left: 670.669+/-160.619 χ^2/NDF : 86.9/44

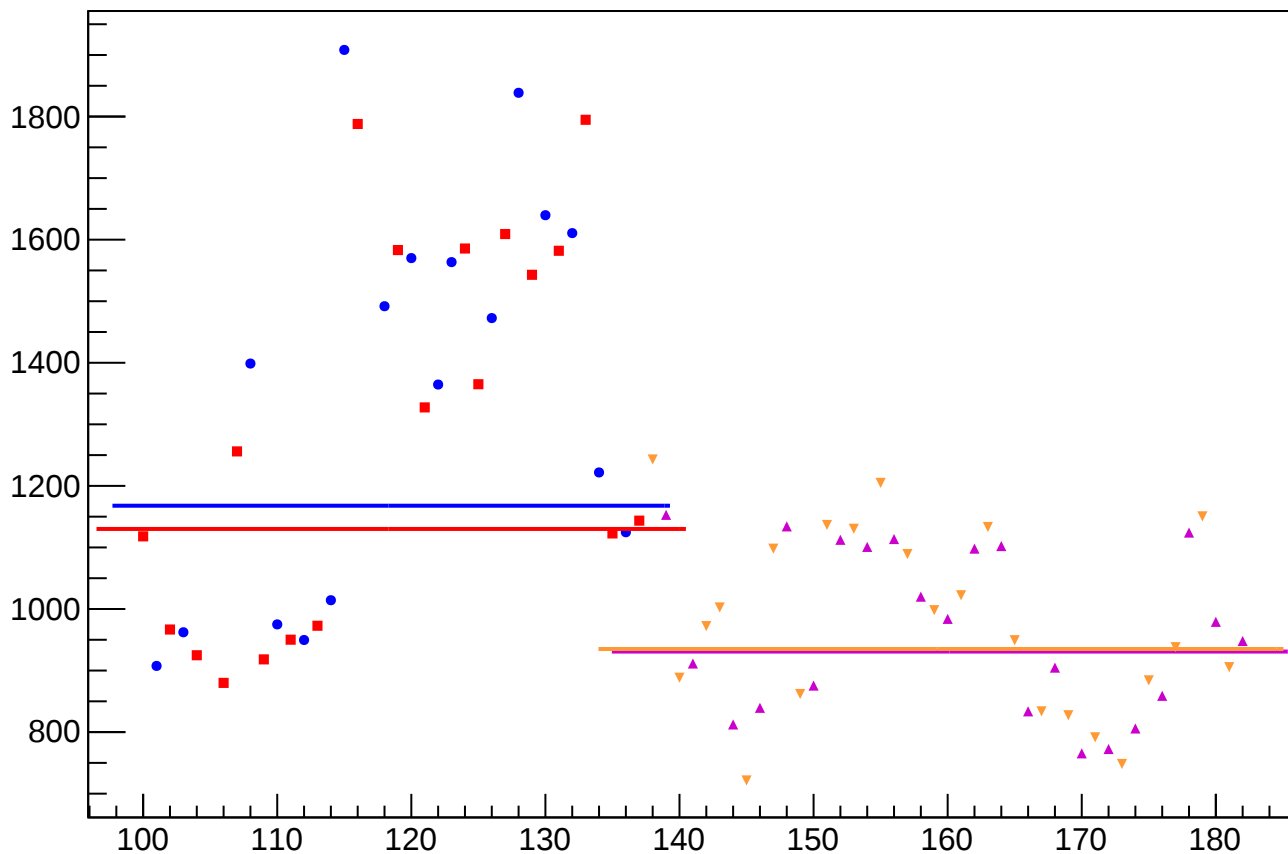
Right: -271.224+/-319.880 χ^2/NDF : 40.1/35

In: 48.194+/-204.418 χ^2/NDF : 51.6/38

Out: 901.991+/-201.604 χ^2/NDF : 73.4/41

All: 481.009+/-143.540 χ^2/NDF : 133.9/80

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.786 $\pm$ 0.331 χ^2 /NDF: 695715.2/16

Left Out: 934.998 $\pm$ 0.161 χ^2 /NDF: 810489.0/22

Right Out: 1130.045 $\pm$ 0.310 χ^2 /NDF: 763293.9/18

Left In: 930.835 $\pm$ 0.161 χ^2 /NDF: 623342.0/21

Left: 932.918 $\pm$ 0.114 χ^2 /NDF: 1434167.0/44

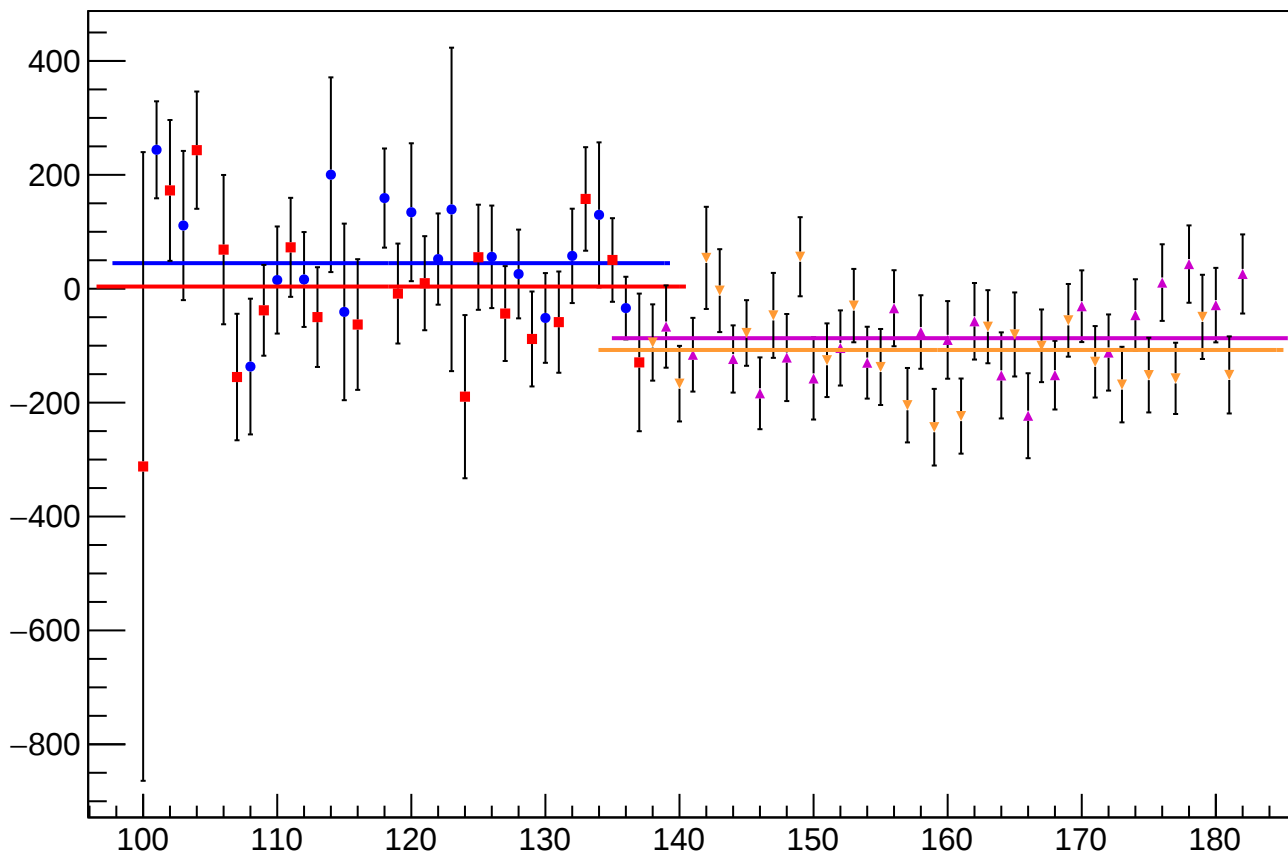
Right: 1147.674 $\pm$ 0.226 χ^2 /NDF: 1465939.2/35

In: 976.035 $\pm$ 0.145 χ^2 /NDF: 1733885.4/38

Out: 976.285 $\pm$ 0.143 χ^2 /NDF: 1886162.6/41

All: 976.162 $\pm$ 0.101 χ^2 /NDF: 3620049.5/80

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 44.919 ± 22.614 $\chi^2/\text{NDF}: 15.9/16$

Left Out: -107.526 ± 13.965 $\chi^2/\text{NDF}: 28.0/22$

Right Out: 3.849 ± 22.193 $\chi^2/\text{NDF}: 20.2/18$

Left In: -86.824 ± 14.214 $\chi^2/\text{NDF}: 21.3/21$

Left: -97.358 ± 9.961 $\chi^2/\text{NDF}: 50.4/44$

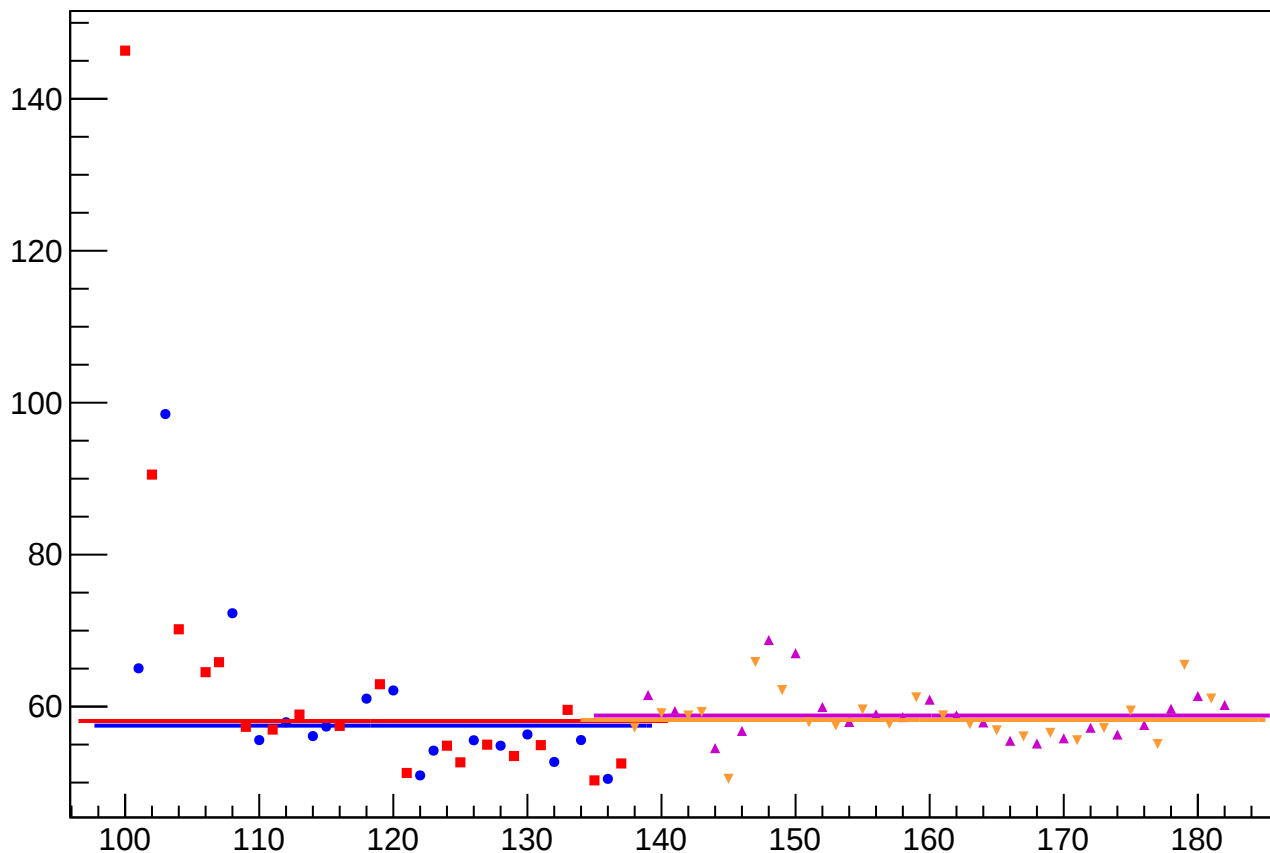
Right: 23.998 ± 15.840 $\chi^2/\text{NDF}: 37.7/35$

In: -49.518 ± 12.034 $\chi^2/\text{NDF}: 61.5/38$

Out: -75.935 ± 11.820 $\chi^2/\text{NDF}: 66.2/41$

All: -62.964 ± 8.433 $\chi^2/\text{NDF}: 130.2/80$

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.495+/-0.016 χ^2/NDF : 306695.7/16

Left Out: 58.242+/-0.010 χ^2/NDF : 107301.6/22

Right Out: 58.105+/-0.016 χ^2/NDF : 298191.3/18

Left In: 58.821+/-0.010 χ^2/NDF : 103550.8/21

Left: 58.526+/-0.007 χ^2/NDF : 212542.6/44

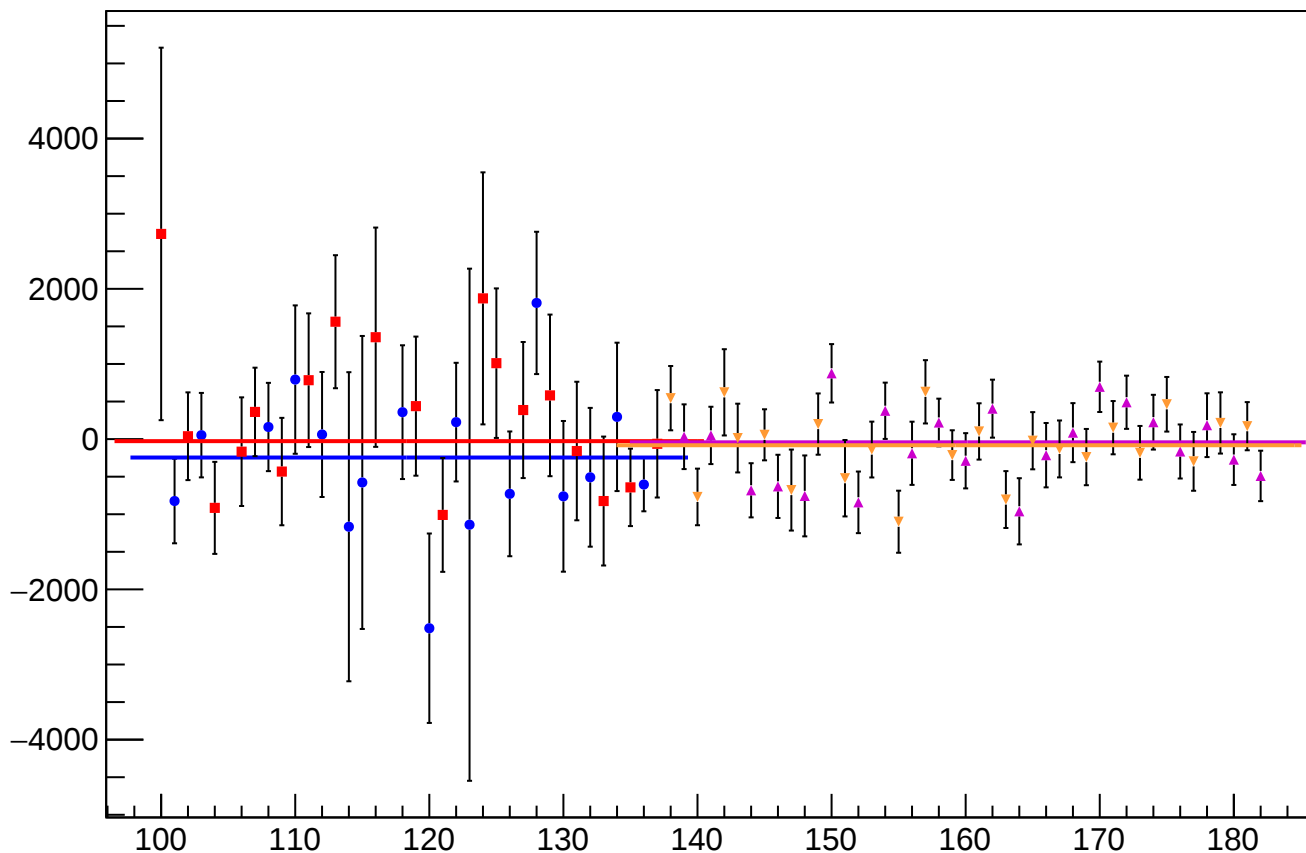
Right: 57.806+/-0.011 χ^2/NDF : 605627.5/35

In: 58.446+/-0.009 χ^2/NDF : 415176.4/38

Out: 58.203+/-0.008 χ^2/NDF : 405547.6/41

All: 58.322+/-0.006 χ^2/NDF : 821137.9/80

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -245.129+/-184.410 χ^2/NDF : 14.1/16

Left Out: -81.638+/-81.393 χ^2/NDF : 27.1/22

Right Out: -27.129+/-182.149 χ^2/NDF : 16.2/18

Left In: -42.894+/-81.413 χ^2/NDF : 35.1/21

Left: -62.271+/-57.560 χ^2/NDF : 62.3/44

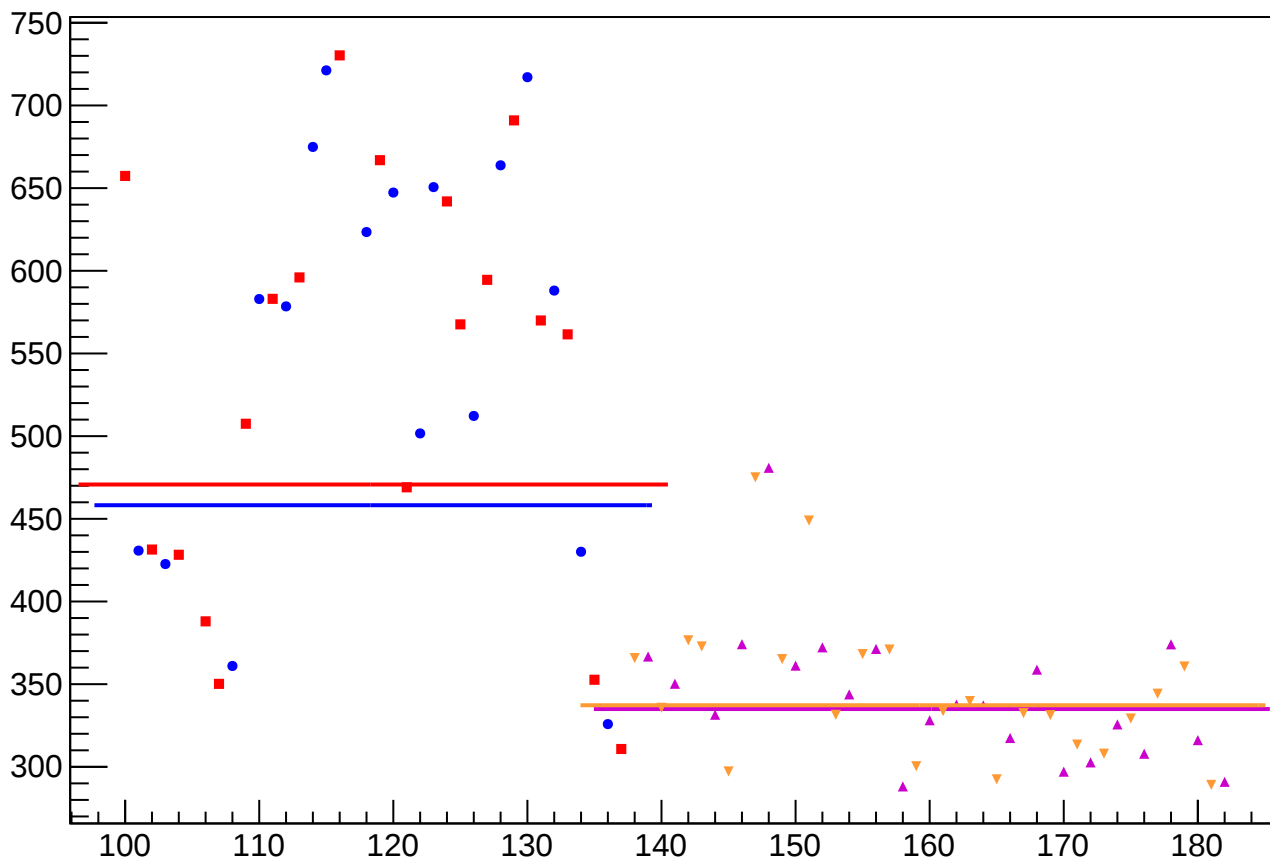
Right: -134.785+/-129.591 χ^2/NDF : 31.1/35

In: -75.881+/-74.478 χ^2/NDF : 50.2/38

Out: -72.566+/-74.311 χ^2/NDF : 43.4/41

All: -74.219+/-52.605 χ^2/NDF : 93.6/80

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.231+/-0.130 χ^2/NDF : 879276.8/16

Left Out: 337.253+/-0.058 χ^2/NDF : 448994.2/22

Right Out: 470.751+/-0.129 χ^2/NDF : 781964.3/18

Left In: 334.969+/-0.058 χ^2/NDF : 387558.7/21

Left: 336.111+/-0.041 χ^2/NDF : 837340.4/44

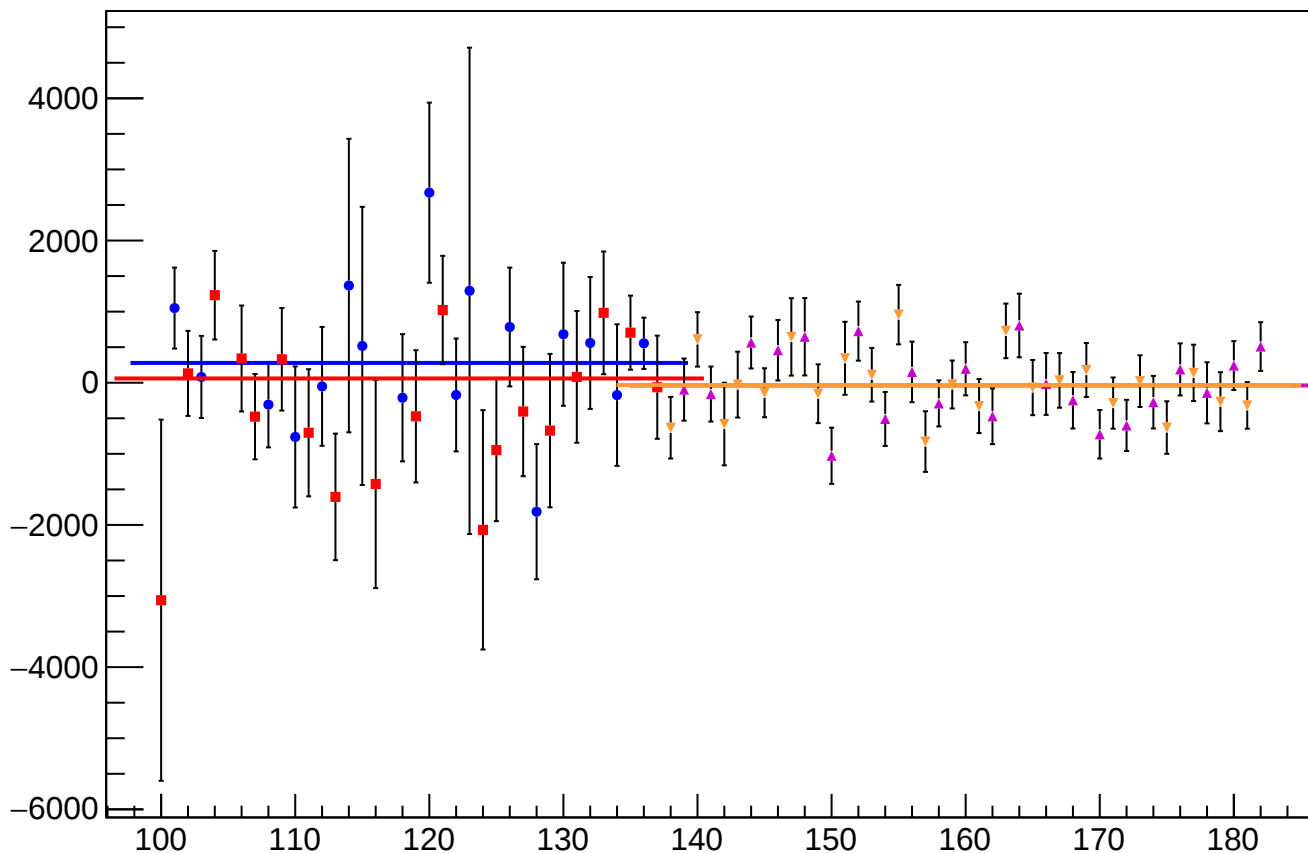
Right: 464.568+/-0.092 χ^2/NDF : 1665907.4/35

In: 355.074+/-0.053 χ^2/NDF : 2014645.1/38

Out: 359.472+/-0.053 χ^2/NDF : 2126452.2/41

All: 357.278+/-0.037 χ^2/NDF : 4144592.1/80

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 278.553 $\pm$ 186.587 χ^2/NDF : 15.0/16

Left Out: -32.631 $\pm$ 82.651 χ^2/NDF : 26.4/22

Right Out: 60.303 $\pm$ 184.397 χ^2/NDF : 19.4/18

Left In: -38.141 $\pm$ 82.704 χ^2/NDF : 33.8/21

Left: -35.384 $\pm$ 58.462 χ^2/NDF : 60.2/44

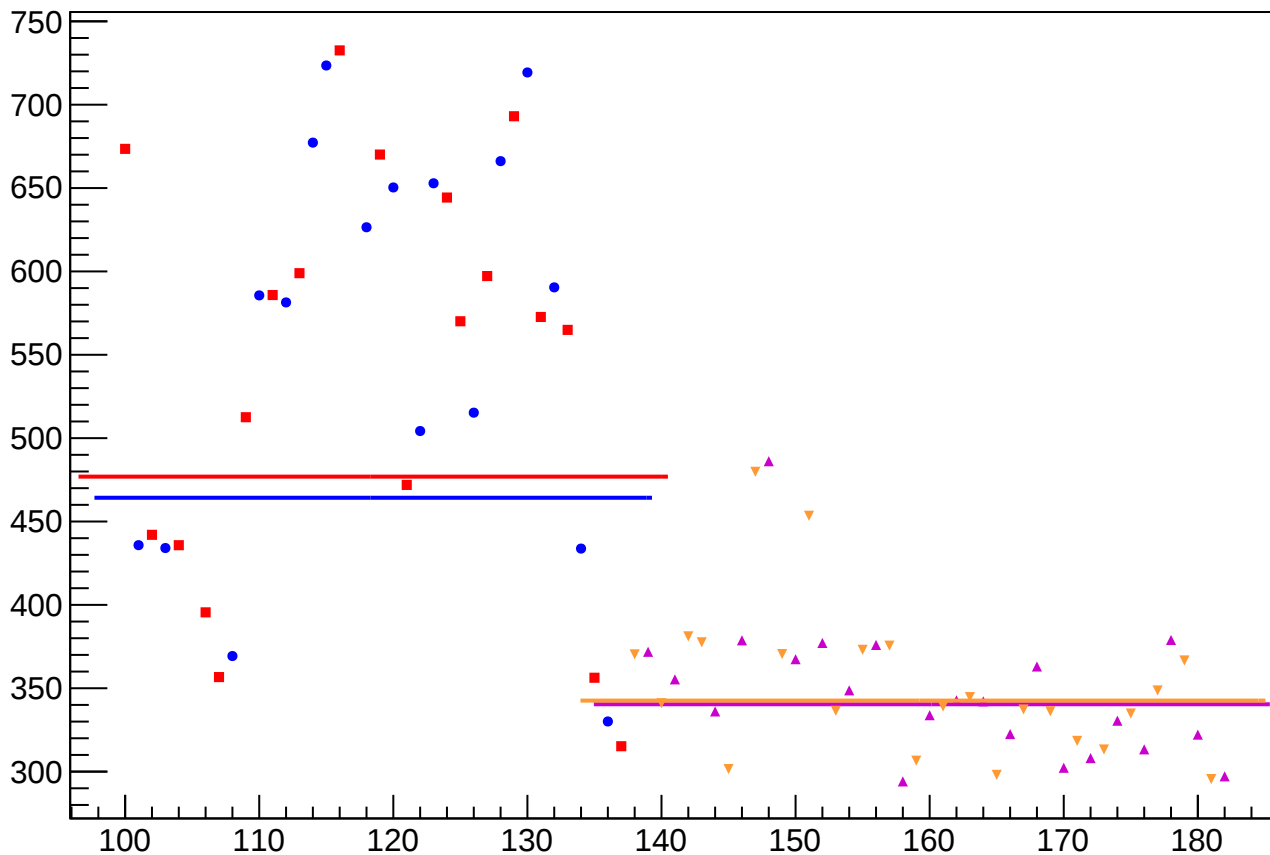
Right: 168.140 $\pm$ 131.156 χ^2/NDF : 35.1/35

In: 13.862 $\pm$ 75.609 χ^2/NDF : 51.2/38

Out: -17.083 $\pm$ 75.422 χ^2/NDF : 46.0/41

All: -1.649 $\pm$ 53.397 χ^2/NDF : 97.2/80

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.257 ± 0.132 $\chi^2/\text{NDF}: 847933.8/16$

Left Out: 342.593 ± 0.058 $\chi^2/\text{NDF}: 431146.5/22$

Right Out: 476.925 ± 0.130 $\chi^2/\text{NDF}: 752685.6/18$

Left In: 340.390 ± 0.058 $\chi^2/\text{NDF}: 371492.1/21$

Left: 341.492 ± 0.041 $\chi^2/\text{NDF}: 803348.6/44$

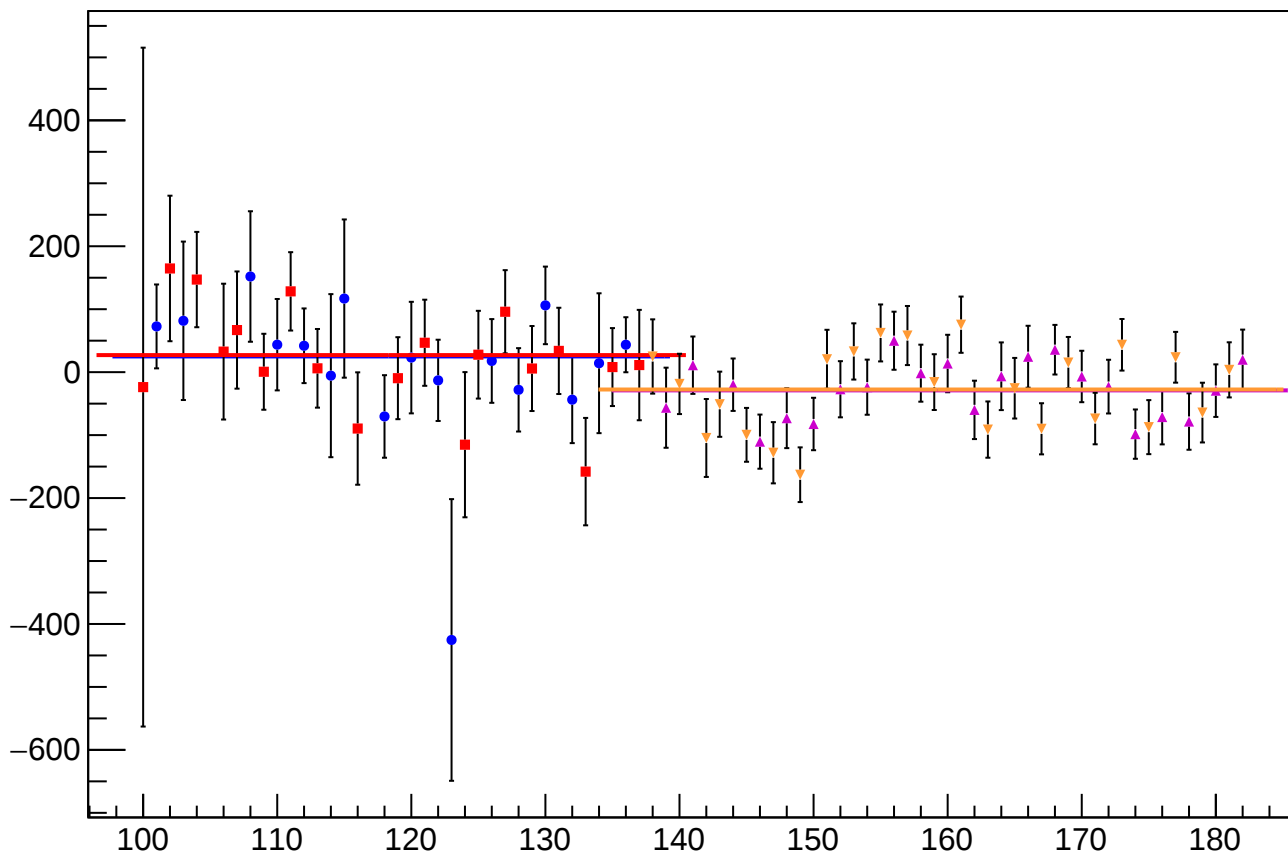
Right: 470.666 ± 0.093 $\chi^2/\text{NDF}: 1605283.8/35$

In: 360.730 ± 0.053 $\chi^2/\text{NDF}: 1956103.3/38$

Out: 365.066 ± 0.053 $\chi^2/\text{NDF}: 2067669.4/41$

All: 362.903 ± 0.038 $\chi^2/\text{NDF}: 4027070.5/80$

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.974 $\pm$ 17.871 χ^2 /NDF: 13.0/16

Left Out: -27.558 $\pm$ 9.438 χ^2 /NDF:49.4/22

Right Out: 27.097 $\pm$ 17.436 χ^2 /NDF: 16.7/18

Left In: -28.944 $\pm$ 9.518 χ^2 /NDF:22.4/21

Left: -28.245 $\pm$ 6.702 χ^2 /NDF: 71.8/44

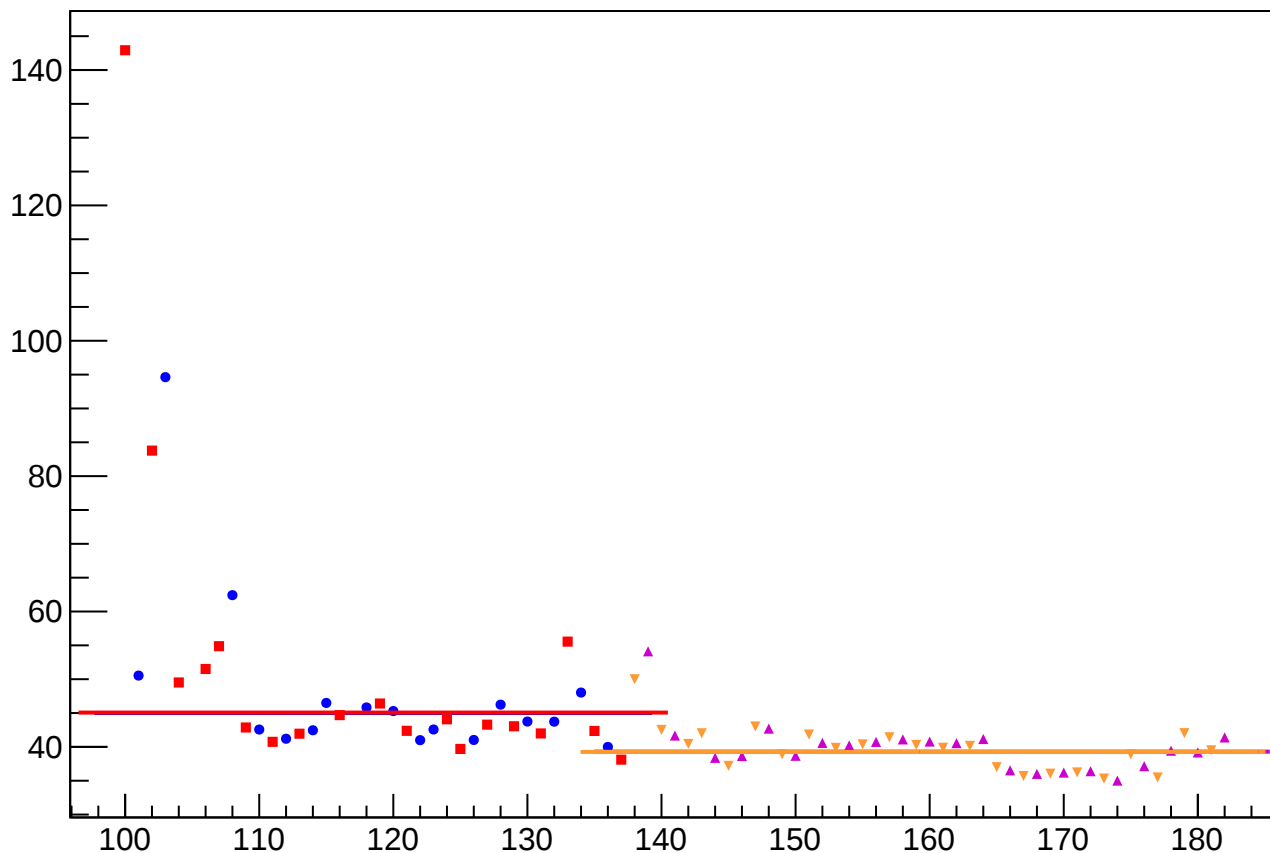
Right: 26.062 $\pm$ 12.480 χ^2 /NDF: 29.8/35

In: -17.029 $\pm$ 8.401 χ^2 /NDF:42.6/38

Out: -15.174 $\pm$ 8.300 χ^2 /NDF:73.7/41

All: -16.090 $\pm$ 5.904 χ^2 /NDF: 116.3/80

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.010 $\pm$ 0.013 χ^2 /NDF: 438252.0/16

Left Out: 39.255 $\pm$ 0.007 χ^2 /NDF:198874.9/22

Right Out: 45.070 $\pm$ 0.012 χ^2 /NDF: 413668.1/18

Left In: 39.299 $\pm$ 0.007 χ^2 /NDF:213297.5/21

Left: 39.277 $\pm$ 0.005 χ^2 /NDF: 412193.6/44

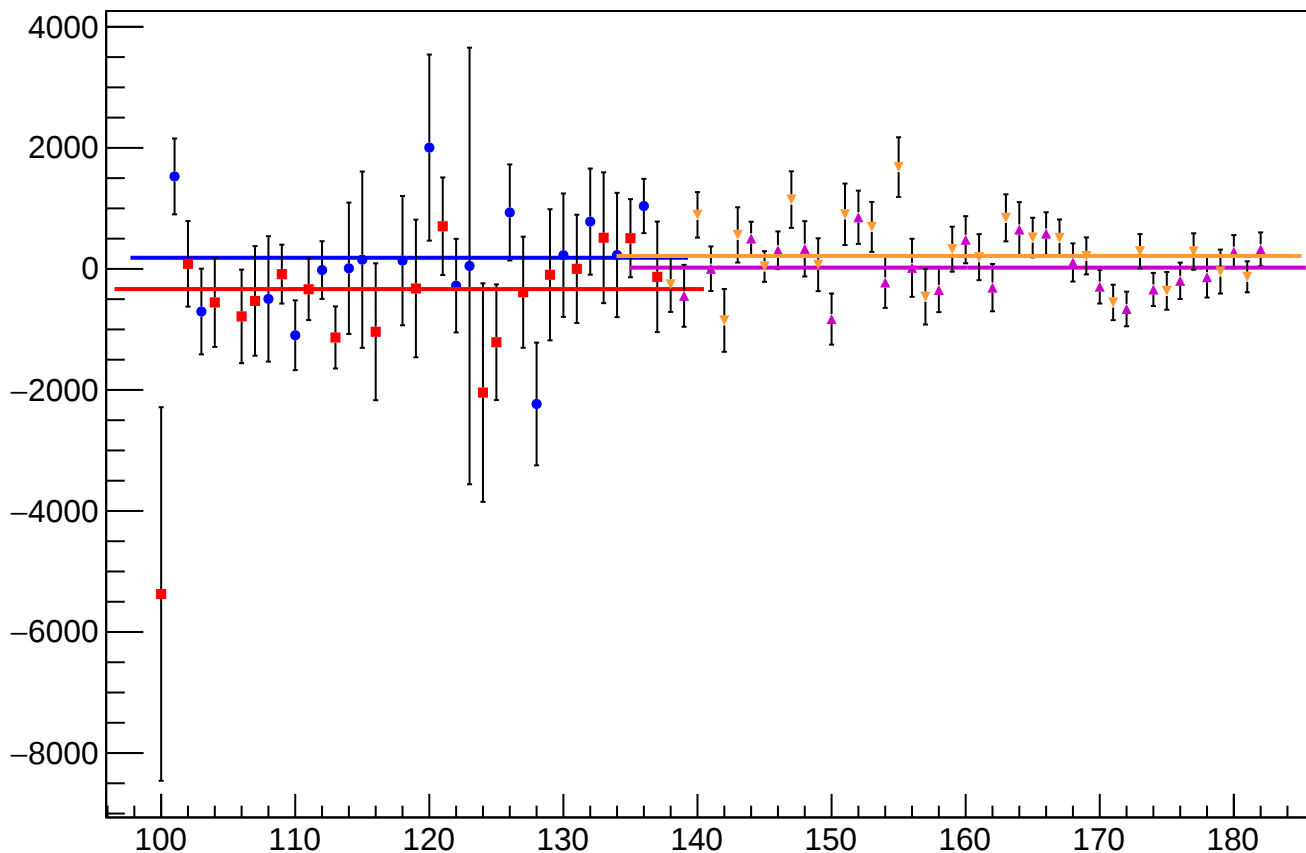
Right: 45.041 $\pm$ 0.009 χ^2 /NDF: 851931.9/35

In: 40.561 $\pm$ 0.006 χ^2 /NDF:810638.7/38

Out: 40.573 $\pm$ 0.006 χ^2 /NDF:784586.8/41

All: 40.567 $\pm$ 0.004 χ^2 /NDF: 1595227.5/80

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 184.085+/-189.043 χ^2/NDF : 24.2/16

Left Out: 213.525+/-73.680 χ^2/NDF :45.2/22

Right Out: -333.044+/-179.692 χ^2/NDF : 12.5/18

Left In: 21.245+/-72.880 χ^2/NDF :32.4/21

Left: 116.335+/-51.814 χ^2/NDF : 81.0/44

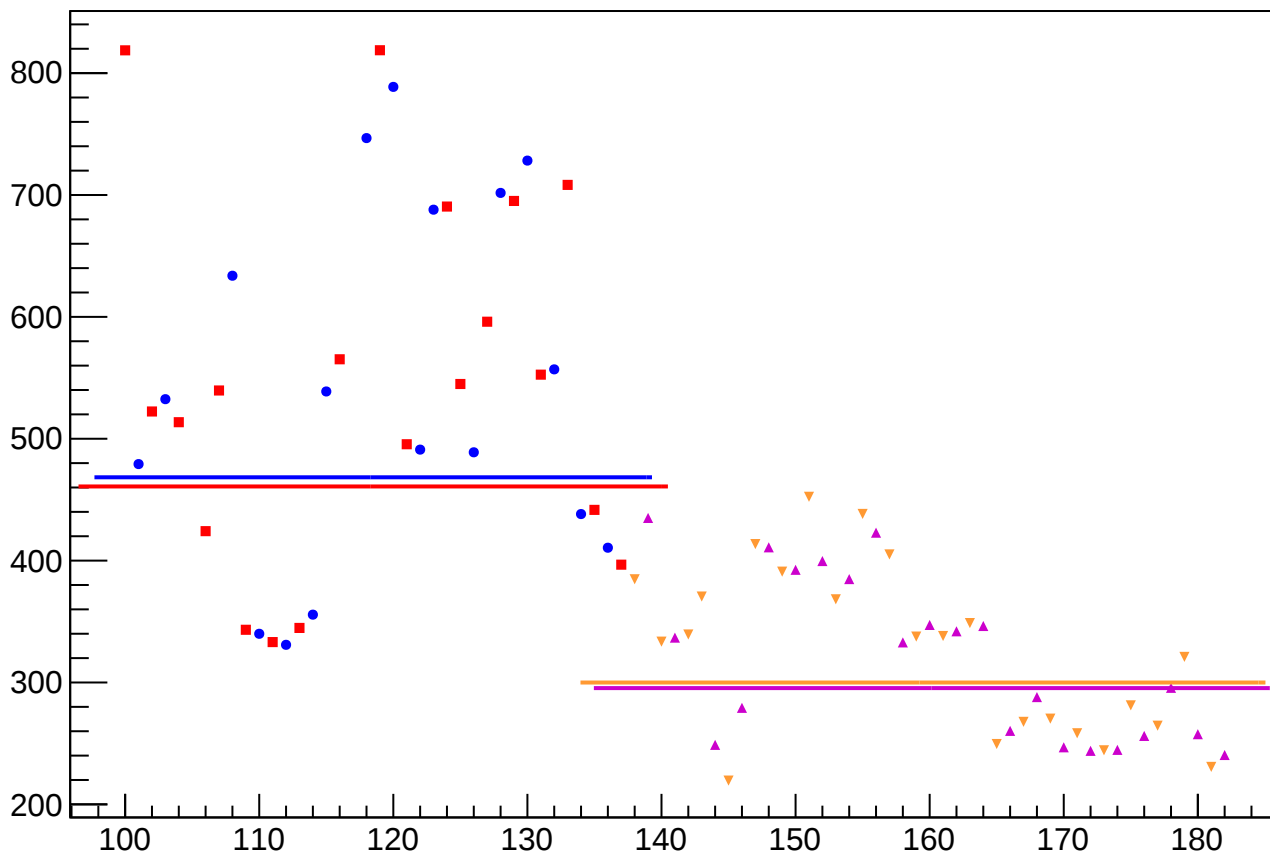
Right: -87.586+/-130.242 χ^2/NDF : 40.6/35

In: 42.315+/-68.001 χ^2/NDF :57.2/38

Out: 134.857+/-68.172 χ^2/NDF :65.6/41

All: 88.470+/-48.144 χ^2/NDF : 123.8/80

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.371 $\pm$ 0.134 χ^2 /NDF: 883769.0/16

Left Out: 299.971 $\pm$ 0.052 χ^2 /NDF:1513416.3/22

Right Out: 460.849 $\pm$ 0.127 χ^2 /NDF: 958126.5/18

Left In: 295.392 $\pm$ 0.052 χ^2 /NDF:1289373.5/21

Left: 297.657 $\pm$ 0.037 χ^2 /NDF: 2806695.3/44

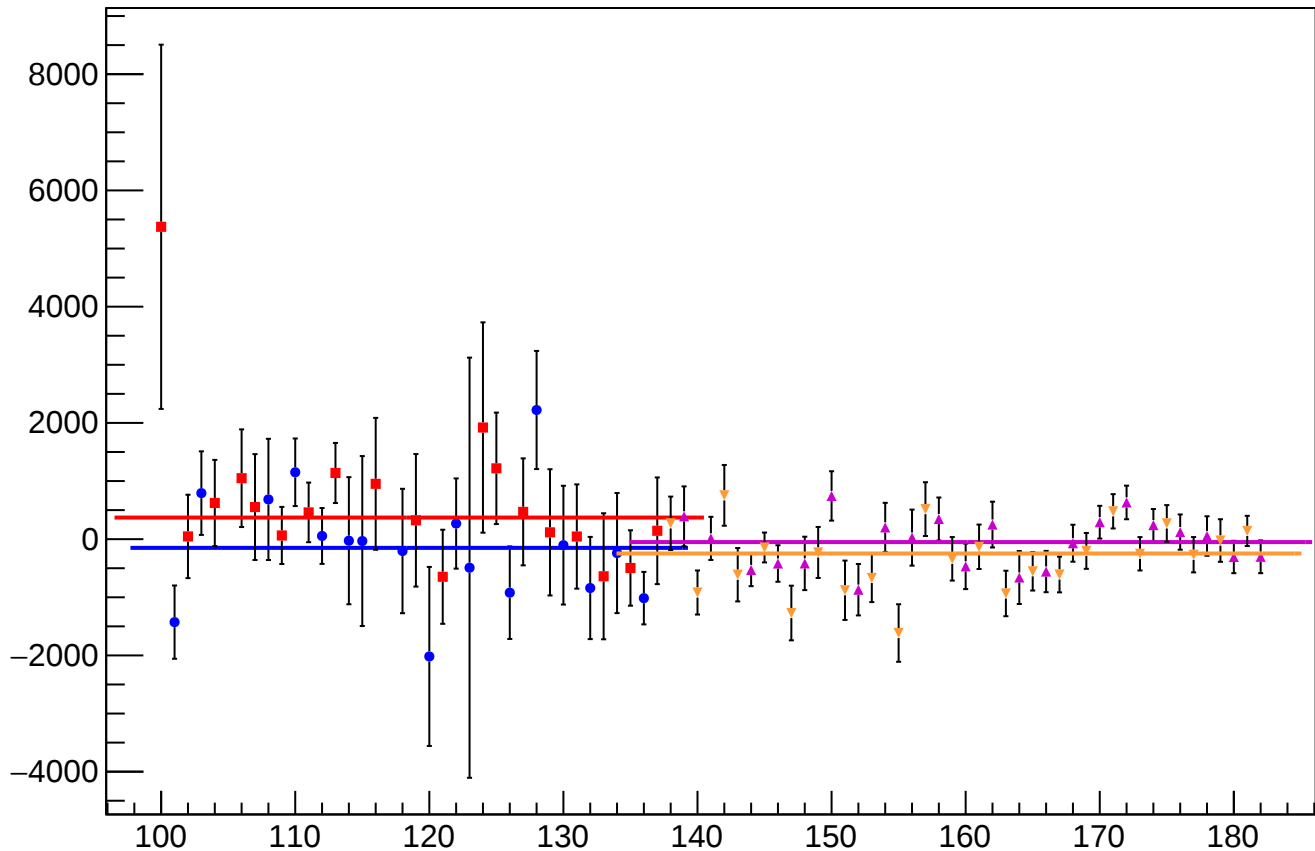
Right: 464.419 $\pm$ 0.092 χ^2 /NDF: 1843559.5/35

In: 317.774 $\pm$ 0.048 χ^2 /NDF:3631016.7/38

Out: 323.126 $\pm$ 0.048 χ^2 /NDF:3843913.8/41

All: 320.444 $\pm$ 0.034 χ^2 /NDF: 7481109.6/80

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -149.502 $\pm$ 190.216 χ^2 /NDF: 24.1/16

Left Out: -246.251 $\pm$ 74.358 χ^2 /NDF:43.4/22

Right Out: 371.735 $\pm$ 181.576 χ^2 /NDF: 12.5/18

Left In: -49.878 $\pm$ 73.571 χ^2 /NDF:29.9/21

Left: -147.020 $\pm$ 52.298 χ^2 /NDF: 76.9/44

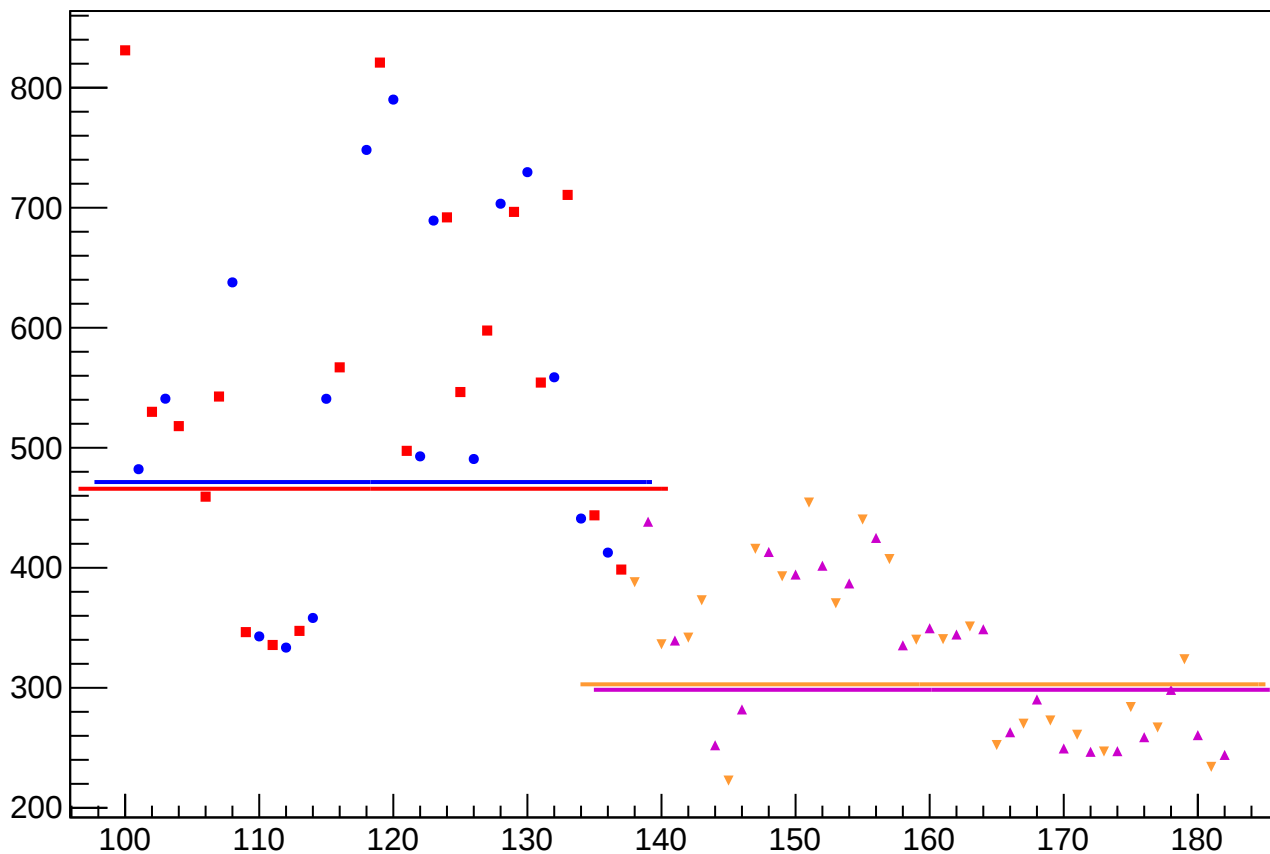
Right: 123.222 $\pm$ 131.342 χ^2 /NDF: 40.5/35

In: -62.842 $\pm$ 68.617 χ^2 /NDF:54.3/38

Out: -157.499 $\pm$ 68.811 χ^2 /NDF:65.8/41

All: -110.036 $\pm$ 48.588 χ^2 /NDF: 121.0/80

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.454 $\pm$ 0.135 χ^2 /NDF: 875217.0/16

Left Out: 302.916 $\pm$ 0.053 χ^2 /NDF: 1476616.0/22

Right Out: 465.856 $\pm$ 0.128 χ^2 /NDF: 943653.4/18

Left In: 298.356 $\pm$ 0.052 χ^2 /NDF: 1258764.3/21

Left: 300.612 $\pm$ 0.037 χ^2 /NDF: 2739181.4/44

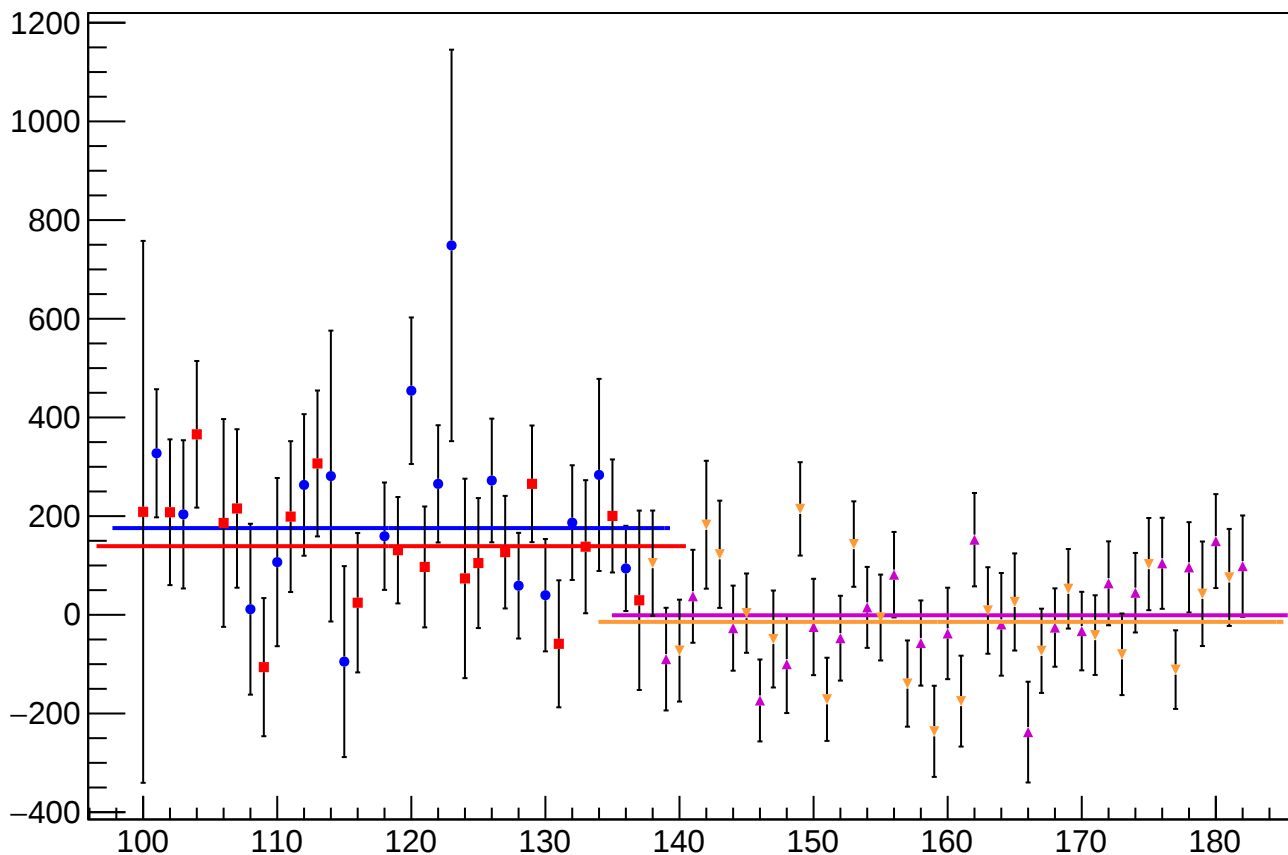
Right: 468.525 $\pm$ 0.093 χ^2 /NDF: 1819776.9/35

In: 320.881 $\pm$ 0.049 χ^2 /NDF: 3574700.0/38

Out: 326.317 $\pm$ 0.049 χ^2 /NDF: 3799494.4/41

All: 323.591 $\pm$ 0.034 χ^2 /NDF: 7380452.6/80

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 175.771 $\pm$ 32.833 χ^2 /NDF: 15.5/16

Left Out: -14.261 $\pm$ 19.044 χ^2 /NDF:35.5/22

Right Out: 139.142 $\pm$ 32.437 χ^2 /NDF: 12.5/18

Left In: -0.949 $\pm$ 19.209 χ^2 /NDF:23.2/21

Left: -7.663 $\pm$ 13.524 χ^2 /NDF: 59.0/44

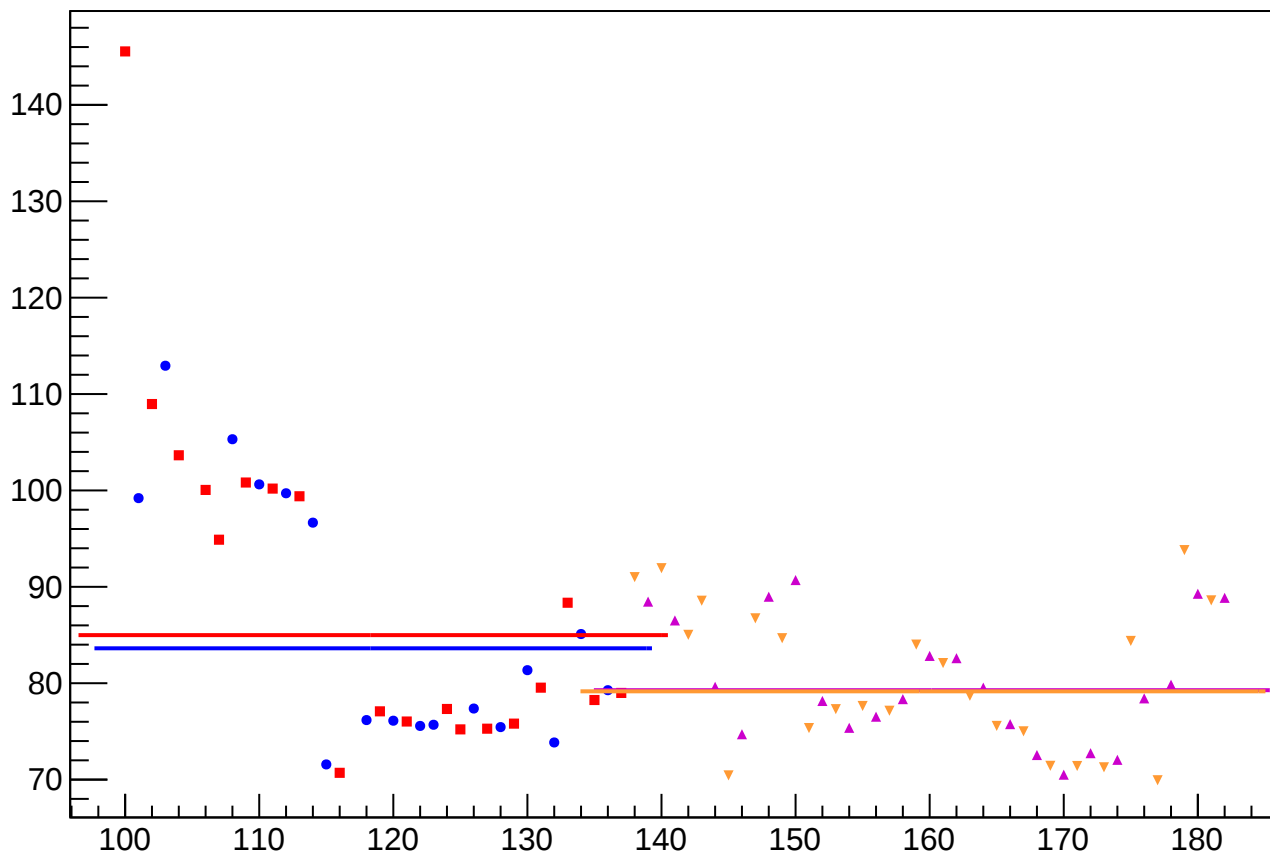
Right: 157.234 $\pm$ 23.075 χ^2 /NDF: 28.6/35

In: 44.114 $\pm$ 16.580 χ^2 /NDF:60.4/38

Out: 25.062 $\pm$ 16.423 χ^2 /NDF:64.6/41

All: 34.497 $\pm$ 11.668 χ^2 /NDF: 125.6/80

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.622 $\pm$ 0.023 χ^2 /NDF: 254251.0/16

Left Out: 79.159 $\pm$ 0.013 χ^2 /NDF: 283025.3/22

Right Out: 84.989 $\pm$ 0.023 χ^2 /NDF: 287001.0/18

Left In: 79.278 $\pm$ 0.014 χ^2 /NDF: 201227.5/21

Left: 79.218 $\pm$ 0.010 χ^2 /NDF: 484291.0/44

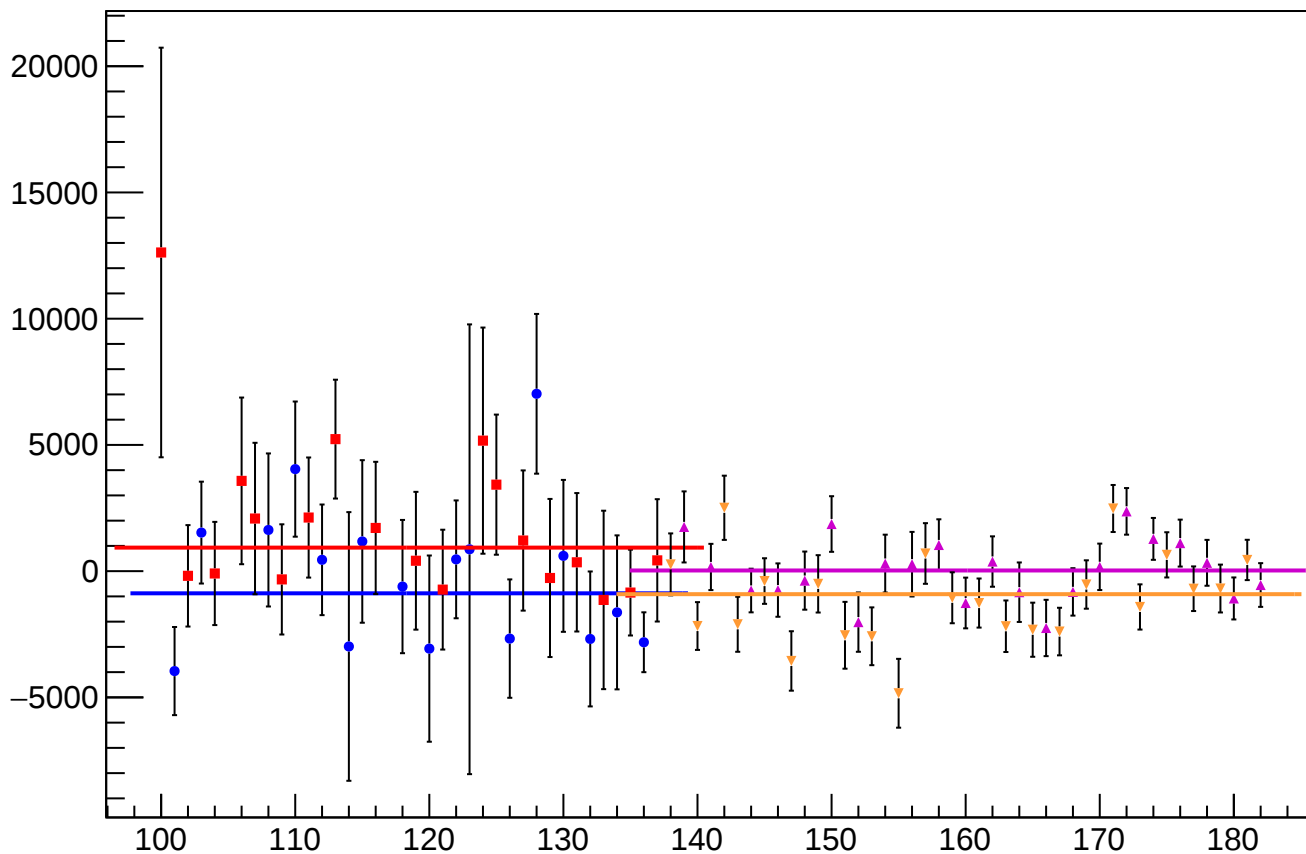
Right: 84.314 $\pm$ 0.016 χ^2 /NDF: 543008.3/35

In: 80.385 $\pm$ 0.012 χ^2 /NDF: 481560.9/38

Out: 80.654 $\pm$ 0.012 χ^2 /NDF: 618072.1/41

All: 80.521 $\pm$ 0.008 χ^2 /NDF: 1099897.6/80

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -877.743 $\pm$ 584.504 χ^2 /NDF: 20.5/16

Left Out: -911.923 $\pm$ 212.131 χ^2 /NDF:56.0/22

Right Out: 932.219 $\pm$ 590.182 χ^2 /NDF: 11.3/18

Left In: 26.960 $\pm$ 212.318 χ^2 /NDF:29.6/21

Left: -442.894 $\pm$ 150.065 χ^2 /NDF: 95.5/44

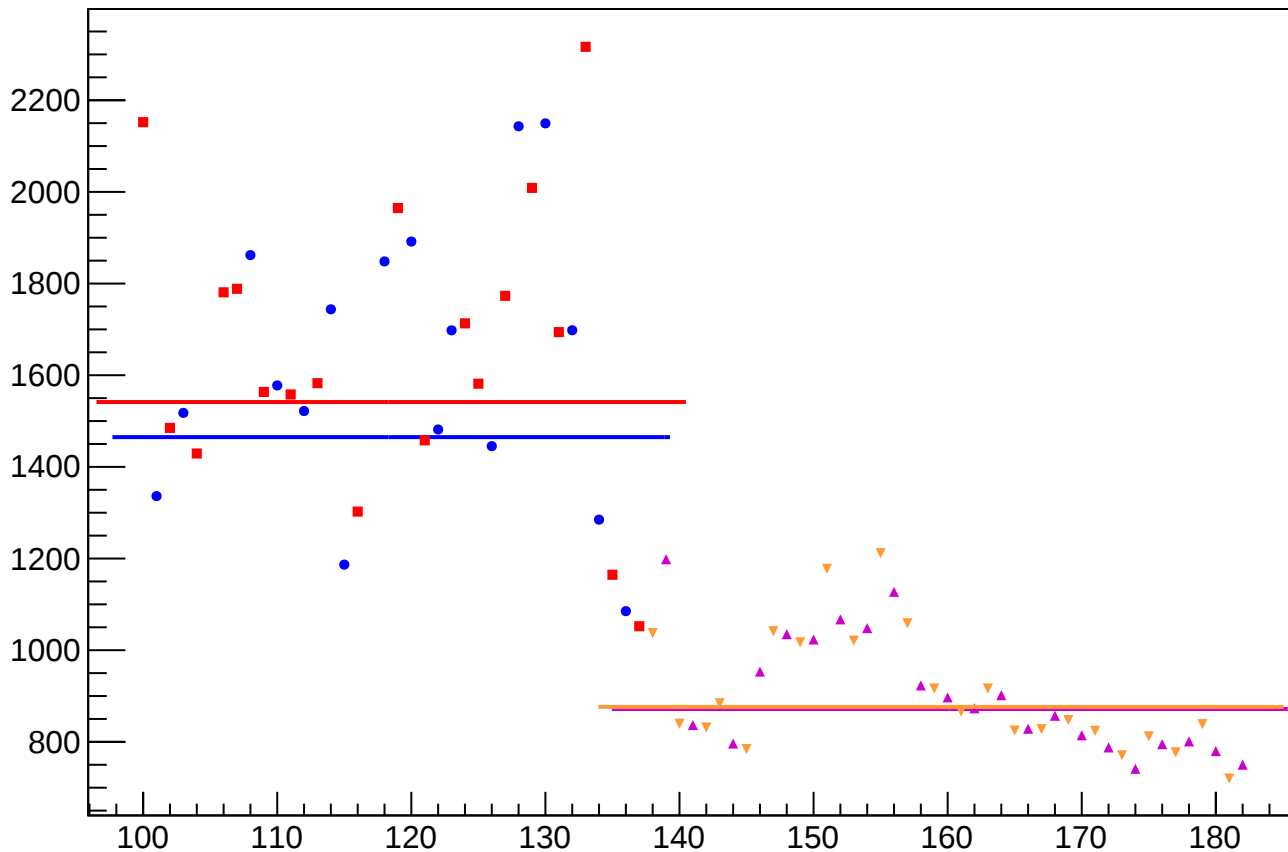
Right: 18.489 $\pm$ 415.300 χ^2 /NDF: 36.6/35

In: -78.498 $\pm$ 199.560 χ^2 /NDF:52.3/38

Out: -700.932 $\pm$ 199.628 χ^2 /NDF:76.0/41

All: -389.610 $\pm$ 141.134 χ^2 /NDF: 133.2/80

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.922+/-0.413 χ^2/NDF : 565343.8/16

Left Out: 876.268+/-0.150 χ^2/NDF : 601107.9/22

Right Out: 1541.521+/-0.417 χ^2/NDF : 455248.6/18

Left In: 871.632+/-0.150 χ^2/NDF : 573319.5/21

Left: 873.952+/-0.106 χ^2/NDF : 1174904.5/44

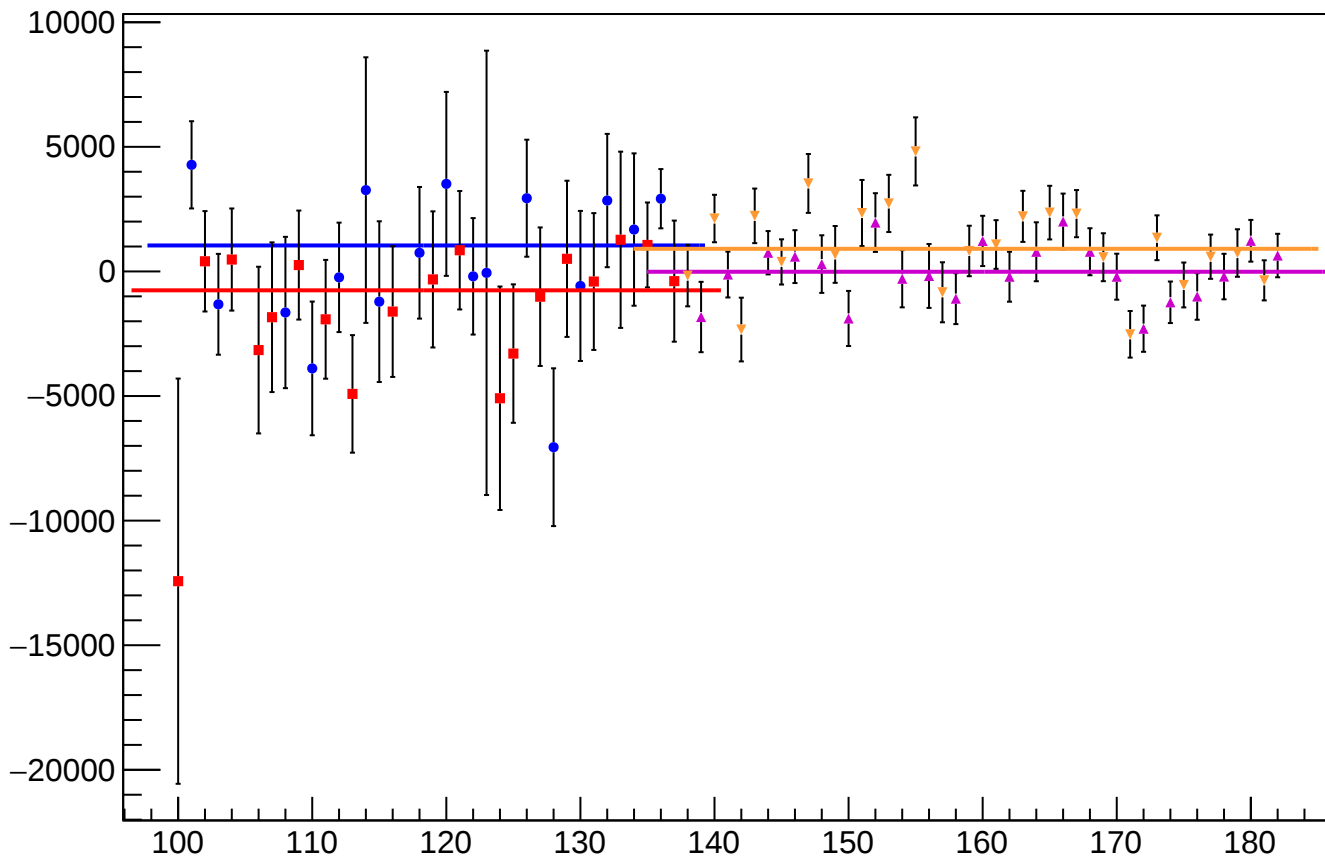
Right: 1502.851+/-0.294 χ^2/NDF : 1037600.4/35

In: 940.790+/-0.141 χ^2/NDF : 2959049.0/38

Out: 952.380+/-0.141 χ^2/NDF : 3306780.2/41

All: 946.583+/-0.100 χ^2/NDF : 6269201.4/80

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1042.489 $\pm$ 585.716 χ^2 /NDF: 21.2/16

Left Out: 908.132 $\pm$ 213.085 χ^2 /NDF:54.3/22

Right Out: -758.067 $\pm$ 591.504 χ^2 /NDF: 11.0/18

Left In: -13.322 $\pm$ 213.277 χ^2 /NDF:27.9/21

Left: 447.818 $\pm$ 150.742 χ^2 /NDF: 91.5/44

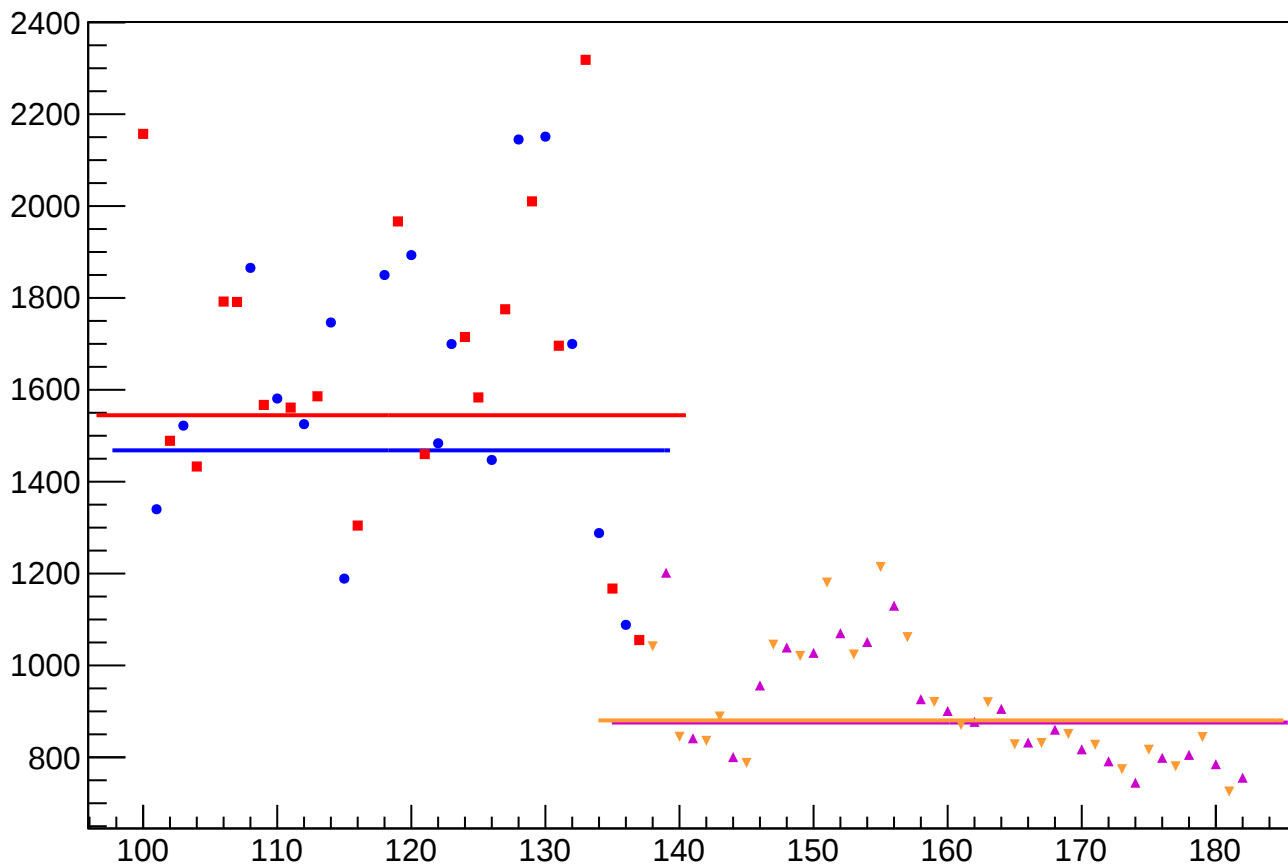
Right: 151.064 $\pm$ 416.195 χ^2 /NDF: 36.9/35

In: 110.280 $\pm$ 200.404 χ^2 /NDF:51.9/38

Out: 716.738 $\pm$ 200.474 χ^2 /NDF:72.3/41

All: 413.404 $\pm$ 141.732 χ^2 /NDF: 128.9/80

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1468.195+/-0.414 χ^2/NDF : 561893.4/16

Left Out: 880.347+/-0.151 χ^2/NDF : 592963.3/22

Right Out: 1544.653+/-0.418 χ^2/NDF : 453342.4/18

Left In: 875.694+/-0.151 χ^2/NDF : 565258.2/21

Left: 878.022+/-0.107 χ^2/NDF : 1158697.9/44

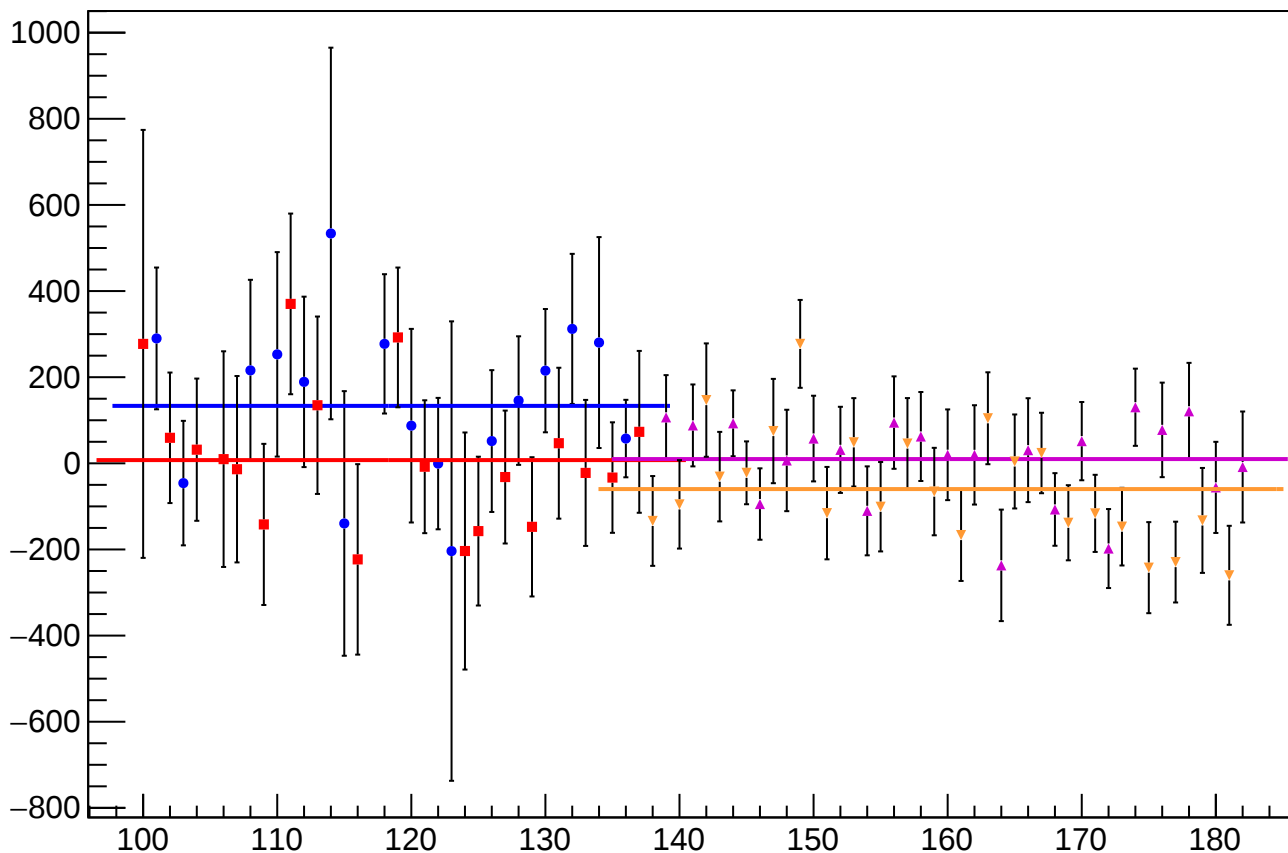
Right: 1506.048+/-0.294 χ^2/NDF : 1032108.6/35

In: 945.057+/-0.142 χ^2/NDF : 2934166.7/38

Out: 956.654+/-0.142 χ^2/NDF : 3279155.0/41

All: 950.854+/-0.100 χ^2/NDF : 6216669.6/80

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 133.408 $\pm$ 41.705 χ^2 /NDF: 9.3/16

Left Out: -59.777 $\pm$ 21.080 χ^2 /NDF:34.4/22

Right Out: 7.495 $\pm$ 41.511 χ^2 /NDF: 11.4/18

Left In: 9.893 $\pm$ 21.373 χ^2 /NDF:21.4/21

Left: -25.423 $\pm$ 15.008 χ^2 /NDF: 61.3/44

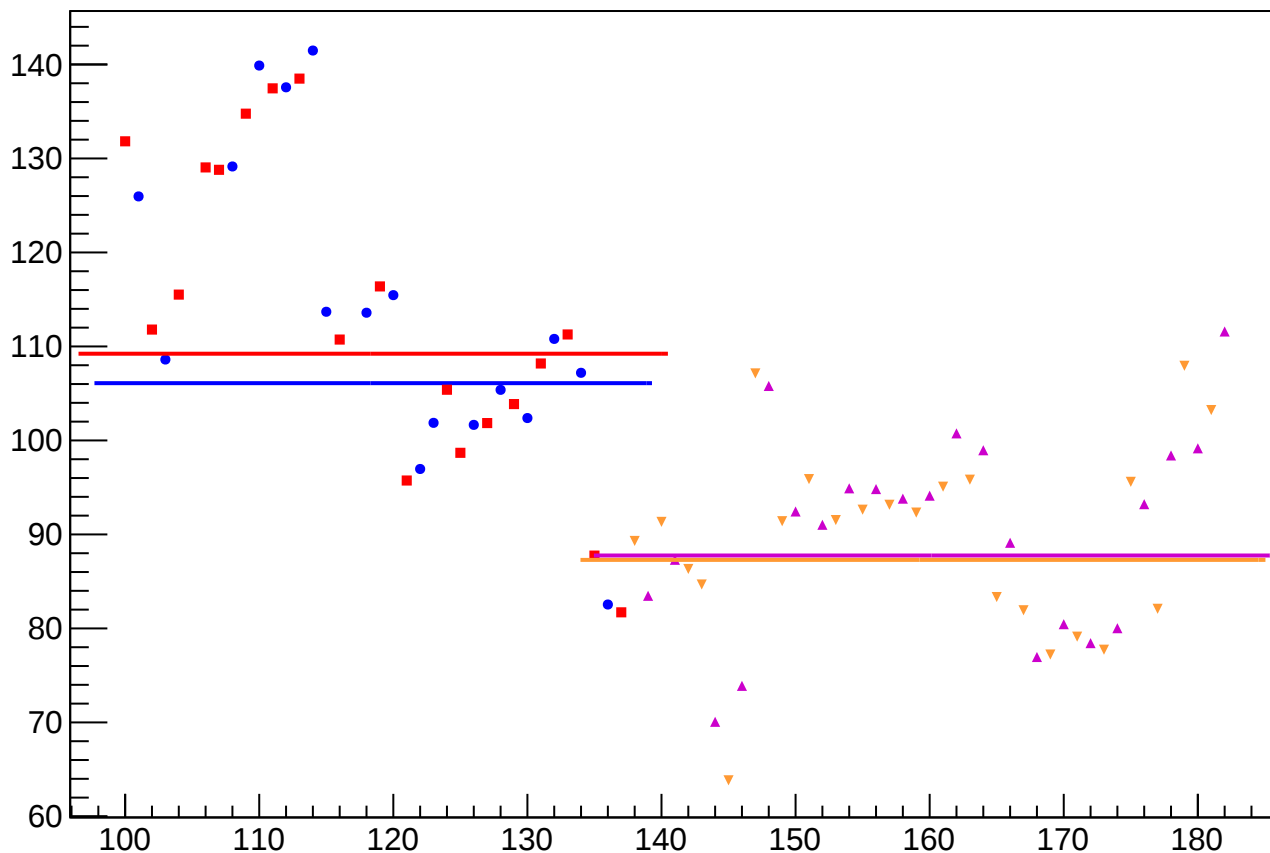
Right: 70.159 $\pm$ 29.421 χ^2 /NDF: 25.3/35

In: 35.586 $\pm$ 19.021 χ^2 /NDF:37.7/38

Out: -45.985 $\pm$ 18.795 χ^2 /NDF:47.9/41

All: -5.686 $\pm$ 13.369 χ^2 /NDF: 94.9/80

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.094 $\pm$ 0.029 χ^2 /NDF: 316104.7/16

Left Out: 87.290 $\pm$ 0.015 χ^2 /NDF: 514137.0/22

Right Out: 109.227 $\pm$ 0.029 χ^2 /NDF: 283569.2/18

Left In: 87.758 $\pm$ 0.015 χ^2 /NDF: 489207.7/21

Left: 87.521 $\pm$ 0.011 χ^2 /NDF: 1003830.3/44

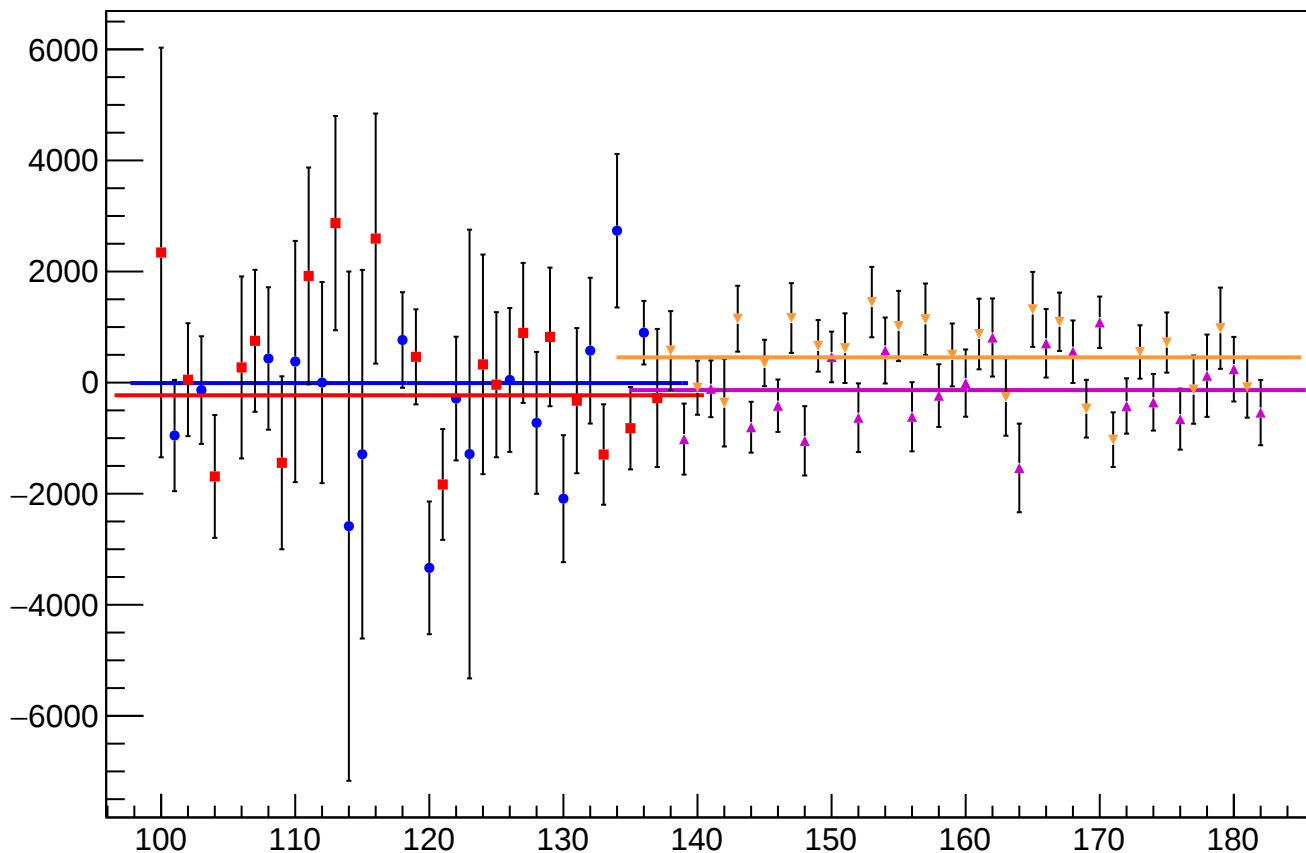
Right: 107.667 $\pm$ 0.021 χ^2 /NDF: 605344.1/35

In: 91.572 $\pm$ 0.013 χ^2 /NDF: 1111478.8/38

Out: 91.787 $\pm$ 0.013 χ^2 /NDF: 1241710.2/41

All: 91.681 $\pm$ 0.009 χ^2 /NDF: 2353318.7/80

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -8.296 ± 284.265 χ^2/NDF : 20.5/16

Left Out: 455.619 ± 119.213 χ^2/NDF : 29.2/22

Right Out: -227.827 ± 280.146 χ^2/NDF : 15.8/18

Left In: -134.667 ± 119.767 χ^2/NDF : 28.6/21

Left: 161.844 ± 84.492 χ^2/NDF : 70.1/44

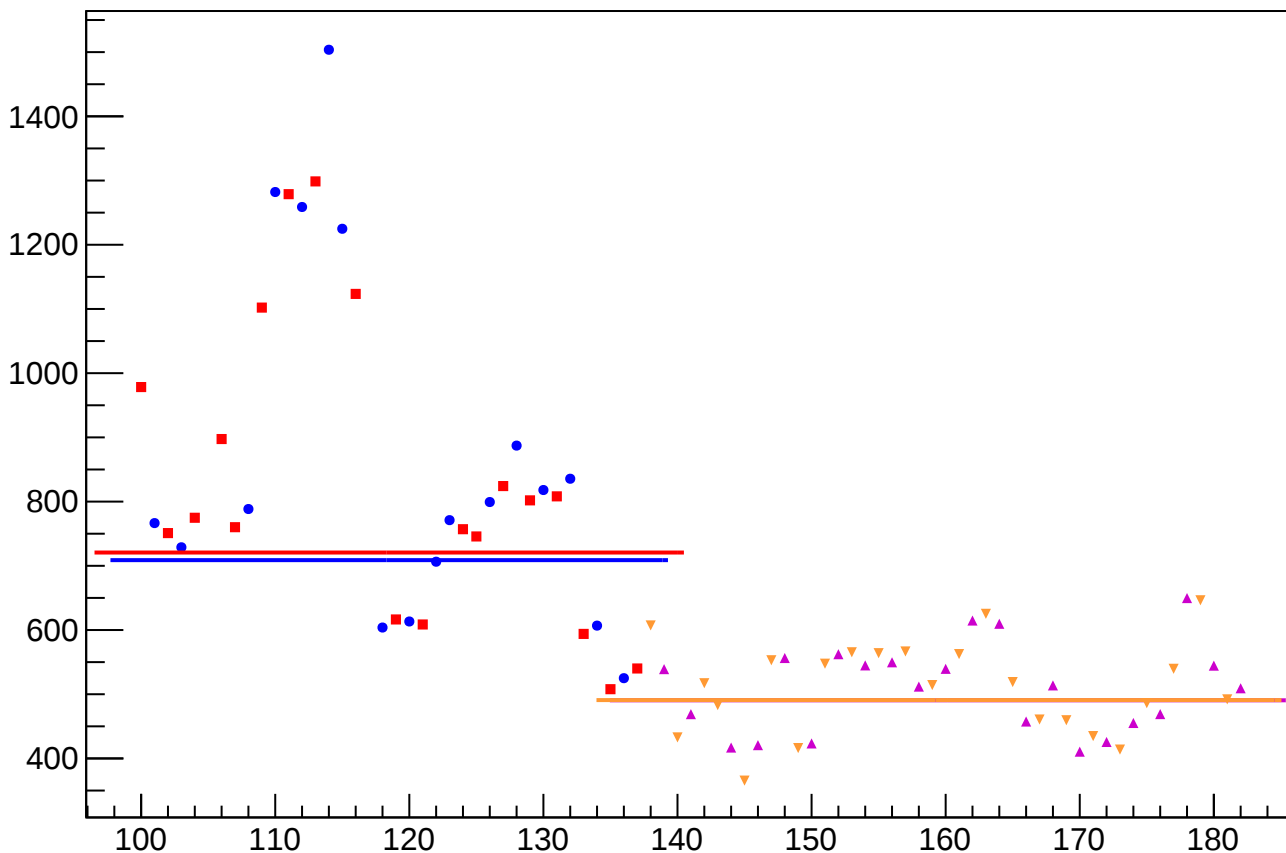
Right: -119.663 ± 199.533 χ^2/NDF : 36.7/35

In: -115.616 ± 110.371 χ^2/NDF : 49.3/38

Out: 350.833 ± 109.694 χ^2/NDF : 50.1/41

All: 119.042 ± 77.804 χ^2/NDF : 108.5/80

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 708.820+/-0.201 χ^2/NDF : 793495.1/16

Left Out: 490.865+/-0.084 χ^2/NDF : 734544.1/22

Right Out: 720.682+/-0.198 χ^2/NDF : 901856.3/18

Left In: 490.552+/-0.085 χ^2/NDF : 588065.9/21

Left: 490.709+/-0.060 χ^2/NDF : 1322616.8/44

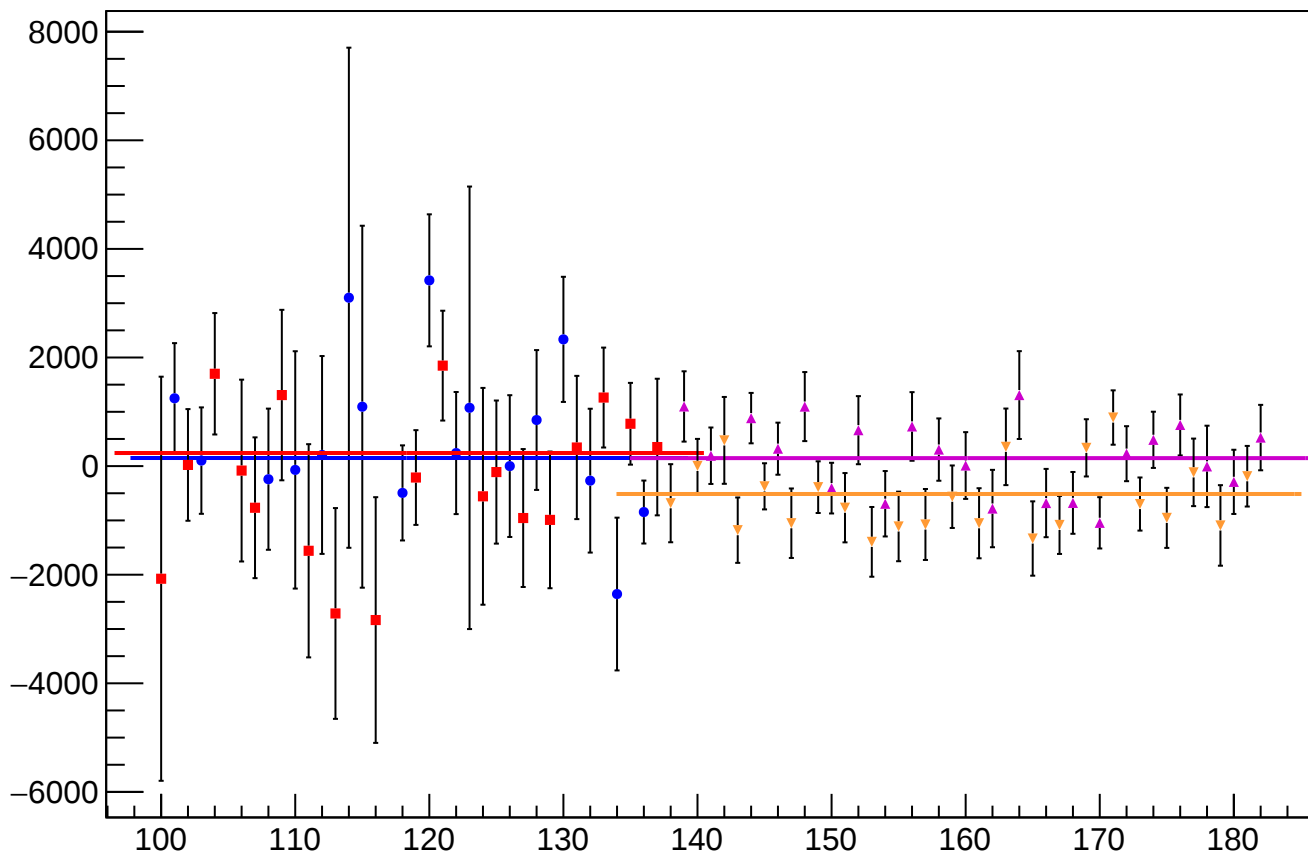
Right: 714.837+/-0.141 χ^2/NDF : 1697118.2/35

In: 523.456+/-0.078 χ^2/NDF : 2382939.5/38

Out: 526.100+/-0.078 χ^2/NDF : 2775980.2/41

All: 524.786+/-0.055 χ^2/NDF : 5159497.2/80

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 149.114 $\pm$ 287.749 χ^2 /NDF: 19.7/16

Left Out: -513.464 $\pm$ 121.203 χ^2 /NDF:25.9/22

Right Out: 241.208 $\pm$ 283.783 χ^2 /NDF: 14.9/18

Left In: 147.002 $\pm$ 121.784 χ^2 /NDF:28.6/21

Left: -184.808 $\pm$ 85.908 χ^2 /NDF: 69.3/44

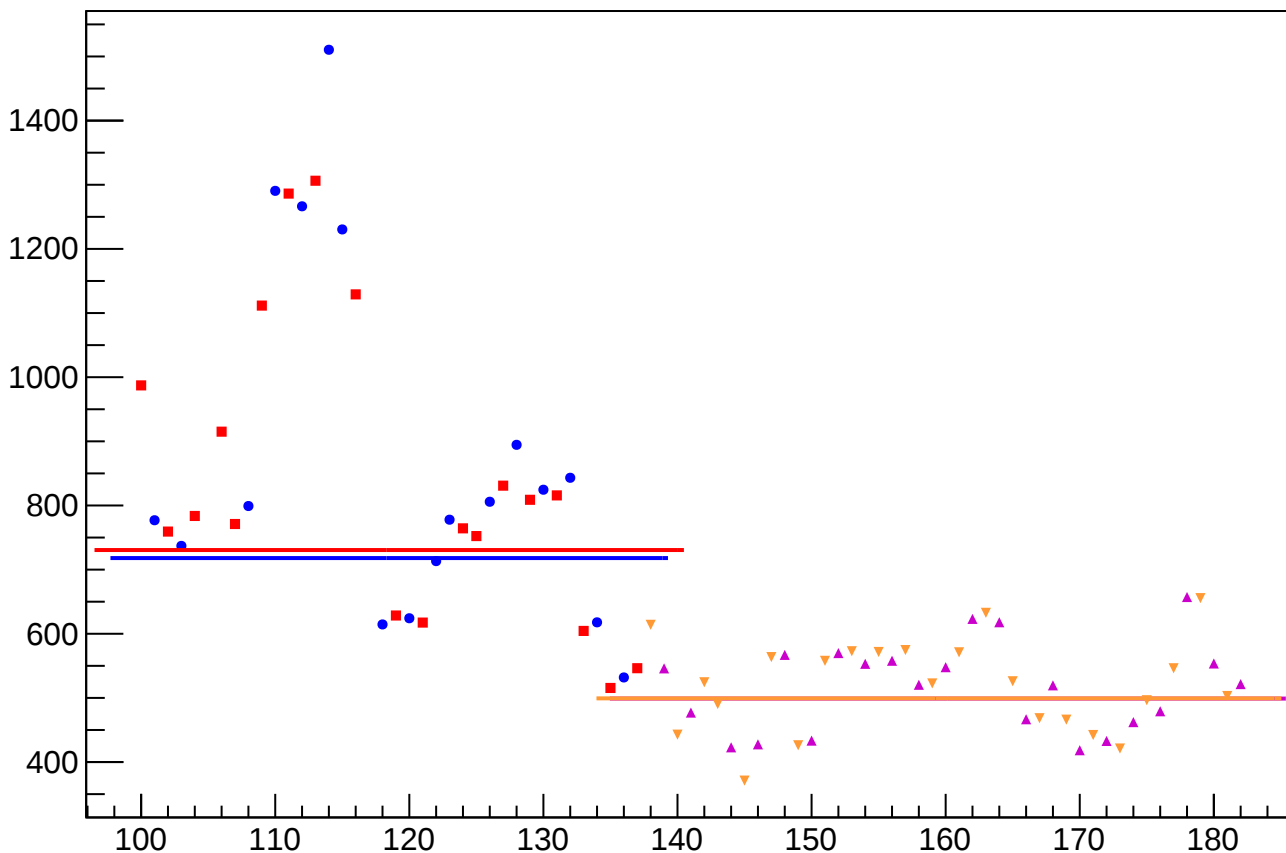
Right: 195.800 $\pm$ 202.053 χ^2 /NDF: 34.7/35

In: 147.323 $\pm$ 112.153 χ^2 /NDF:48.3/38

Out: -397.039 $\pm$ 111.463 χ^2 /NDF:46.7/41

All: -126.538 $\pm$ 79.059 χ^2 /NDF: 106.9/80

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 718.014 $\pm$ 0.203 χ^2/NDF : 778471.9/16

Left Out: 499.285 $\pm$ 0.086 χ^2/NDF : 718370.4/22

Right Out: 730.544 $\pm$ 0.201 χ^2/NDF : 883666.2/18

Left In: 498.970 $\pm$ 0.086 χ^2/NDF : 574932.4/21

Left: 499.128 $\pm$ 0.061 χ^2/NDF : 1293309.5/44

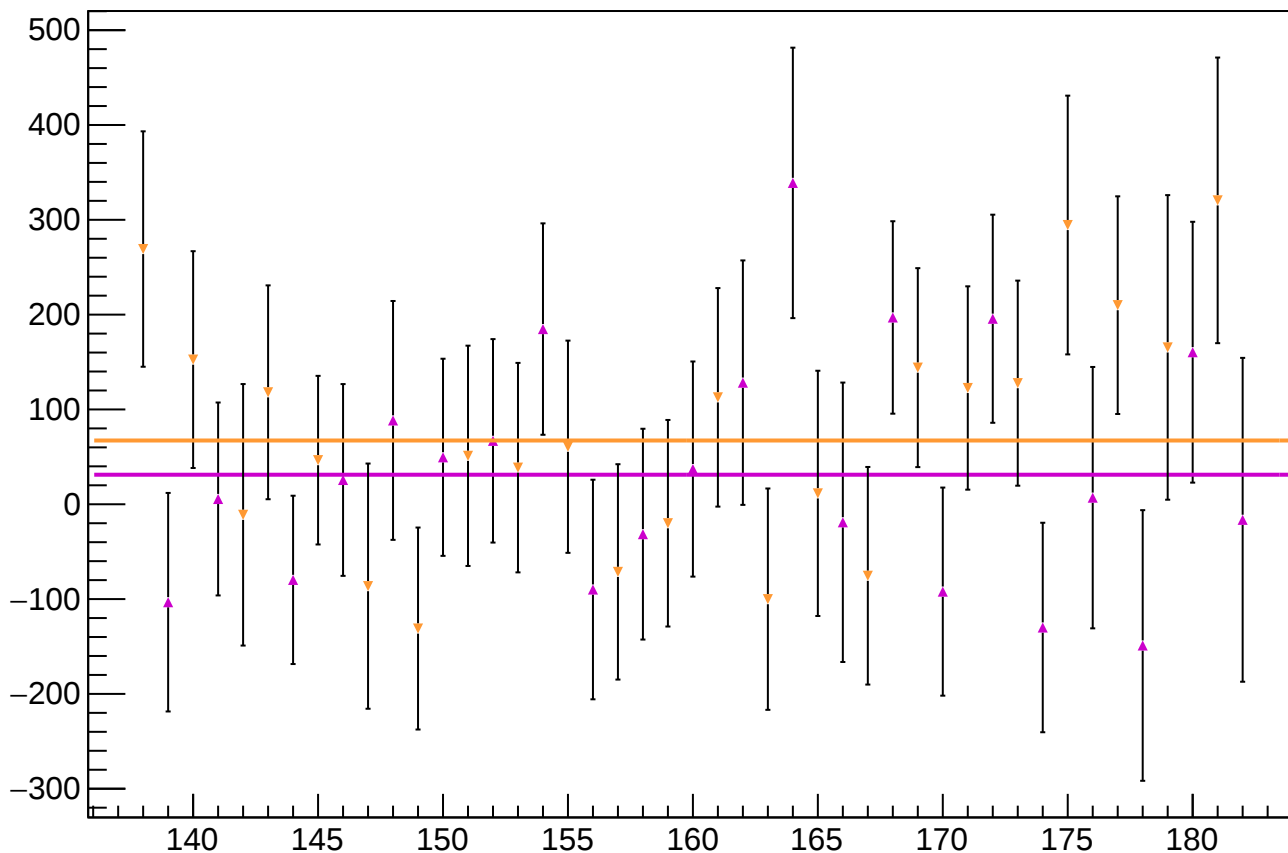
Right: 724.366 $\pm$ 0.143 χ^2/NDF : 1664060.5/35

In: 532.245 $\pm$ 0.079 χ^2/NDF : 2336293.1/38

Out: 534.961 $\pm$ 0.079 χ^2/NDF : 2725308.0/41

All: 533.612 $\pm$ 0.056 χ^2/NDF : 5062191.3/80

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 67.251+/-24.218 χ^2/NDF :23.5/22

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

Left In: 31.156+/-24.677 χ^2/NDF :22.9/21

Left: 49.542+/-17.285 χ^2/NDF : 47.4/44

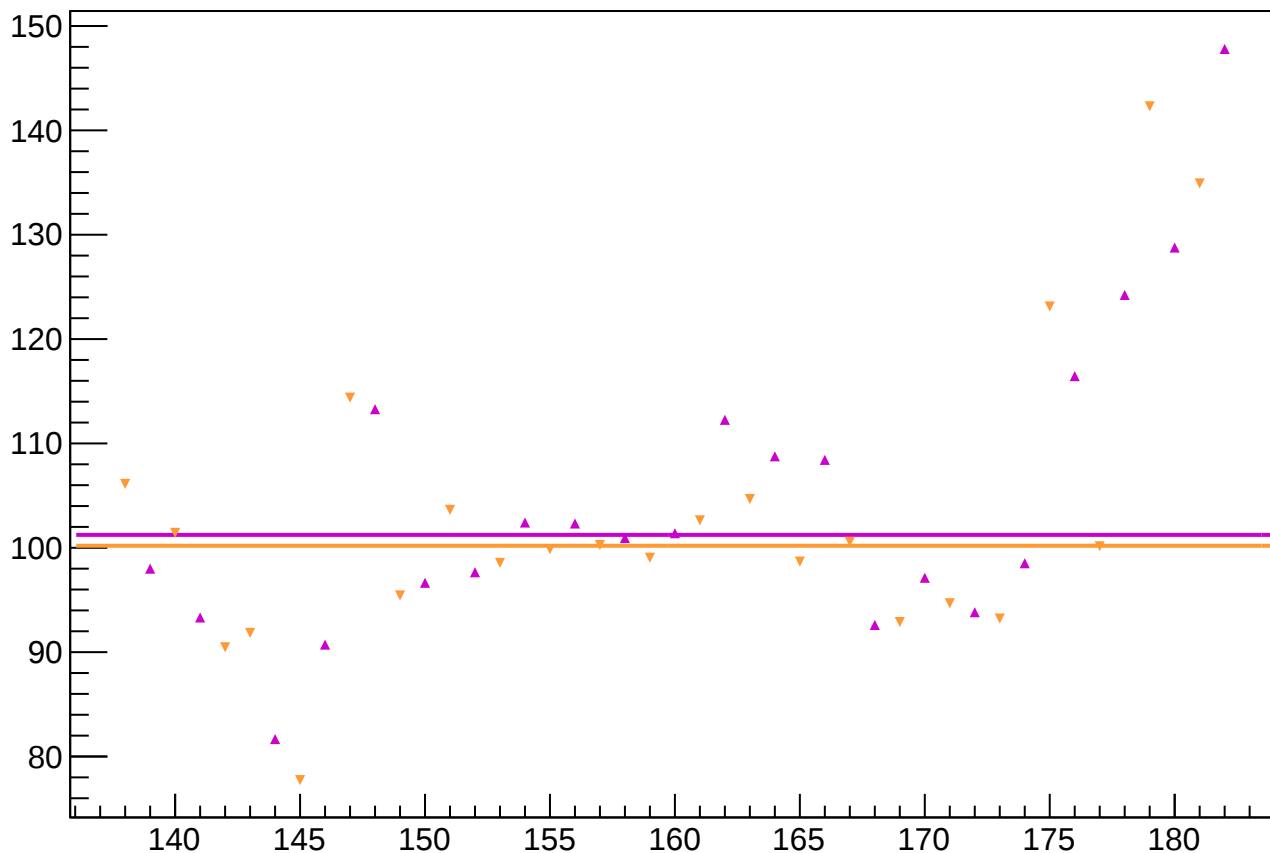
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 31.156+/-24.677 χ^2/NDF :22.9/21

Out: 67.251+/-24.218 χ^2/NDF :23.5/22

All: 49.542+/-17.285 χ^2/NDF : 47.4/44

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 100.196+/-0.017 χ^2/NDF : 511504.1/22

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

Left In: 101.236+/-0.017 χ^2/NDF : 514995.5/21

Left: 100.706+/-0.012 χ^2/NDF : 1028310.8/44

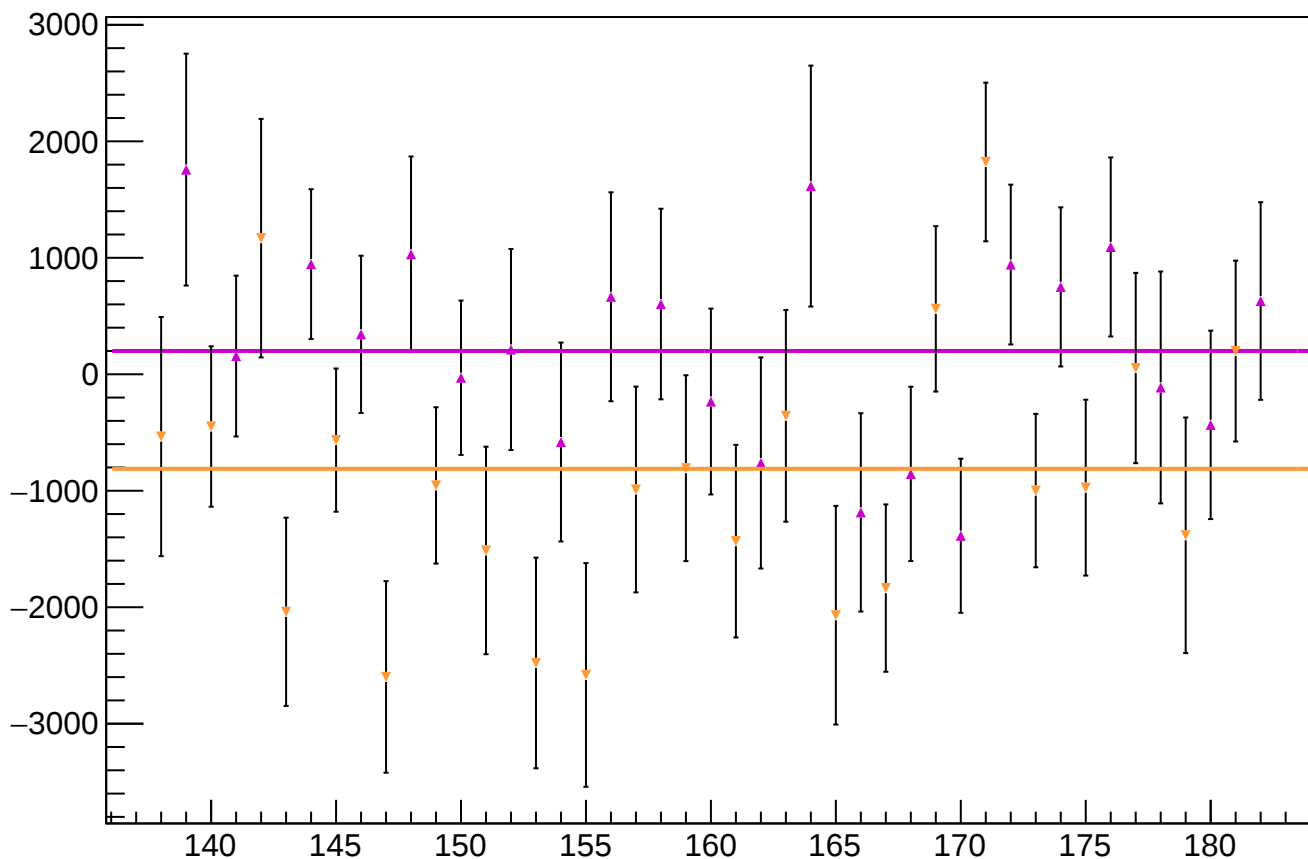
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 101.236+/-0.017 χ^2/NDF : 514995.5/21

Out: 100.196+/-0.017 χ^2/NDF : 511504.1/22

All: 100.706+/-0.012 χ^2/NDF : 1028310.8/44

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -811.439+/-165.781 χ^2/NDF :45.4/22

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

Left In: 200.149+/-166.836 χ^2/NDF :24.1/21

Left: -308.856+/-117.596 χ^2/NDF : 88.0/44

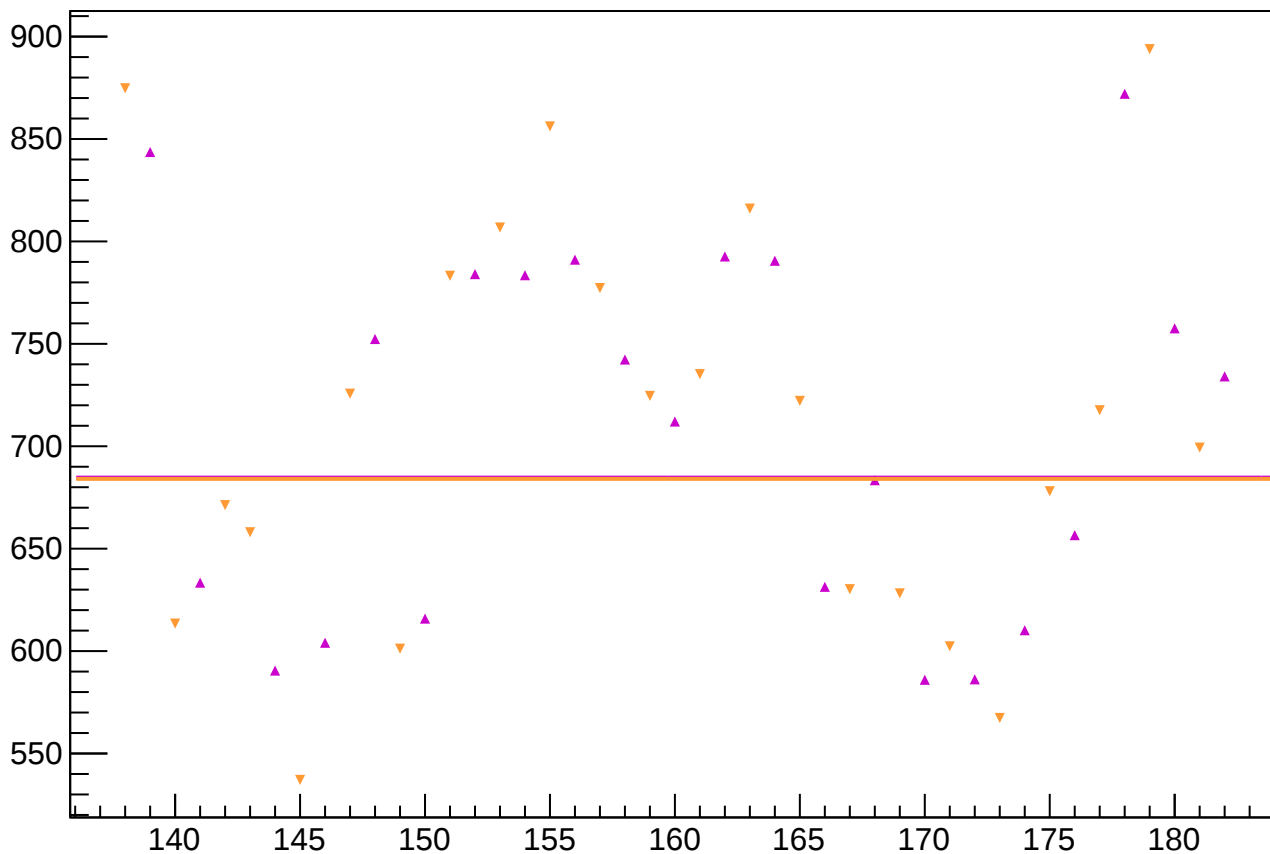
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 200.149+/-166.836 χ^2/NDF :24.1/21

Out: -811.439+/-165.781 χ^2/NDF :45.4/22

All: -308.856+/-117.596 χ^2/NDF : 88.0/44

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 684.087+/-0.117 χ^2/NDF : 654276.5/22

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

Left In: 684.679+/-0.118 χ^2/NDF : 525046.4/21

Left: 684.381+/-0.083 χ^2/NDF : 1179335.6/44

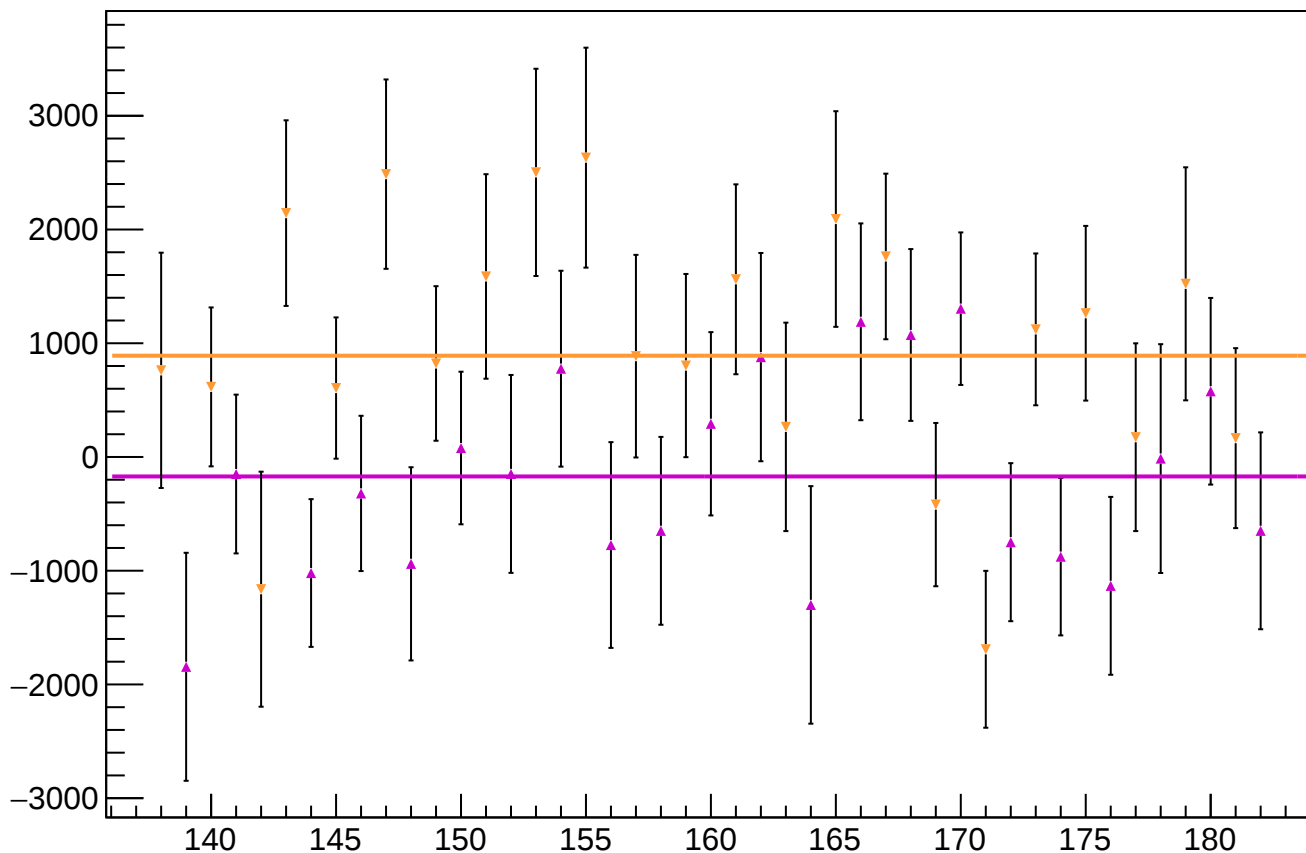
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 684.679+/-0.118 χ^2/NDF : 525046.4/21

Out: 684.087+/-0.117 χ^2/NDF : 654276.5/22

All: 684.381+/-0.083 χ^2/NDF : 1179335.6/44

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 890.577+/-167.697 χ^2/NDF :41.2/22

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

Left In: -171.257+/-168.802 χ^2/NDF :24.7/21

Left: 363.148+/-118.968 χ^2/NDF : 85.8/44

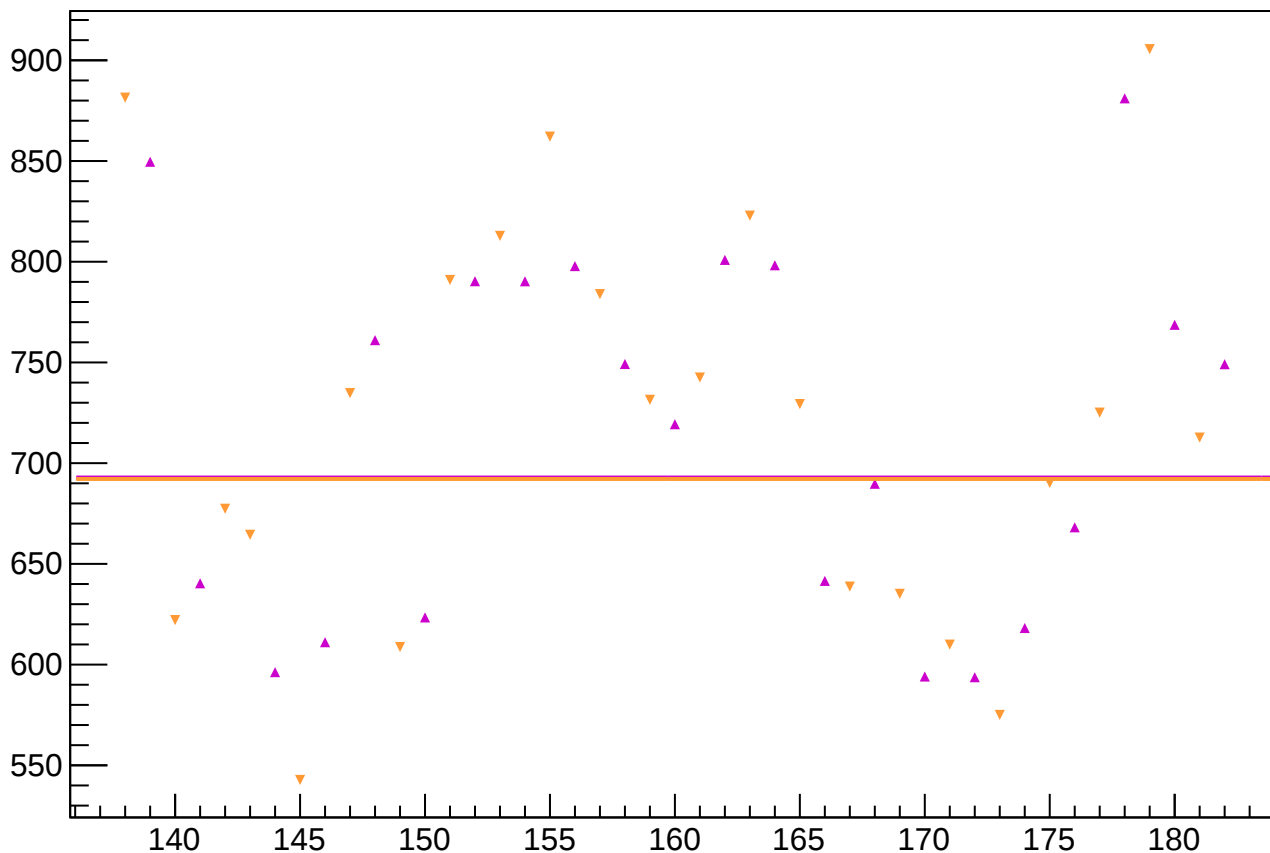
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -171.257+/-168.802 χ^2/NDF :24.7/21

Out: 890.577+/-167.697 χ^2/NDF :41.2/22

All: 363.148+/-118.968 χ^2/NDF : 85.8/44

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 692.162+/-0.119 χ^2/NDF : 643669.3/22

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

Left In: 692.865+/-0.119 χ^2/NDF : 516896.6/21

Left: 692.511+/-0.084 χ^2/NDF : 1160583.4/44

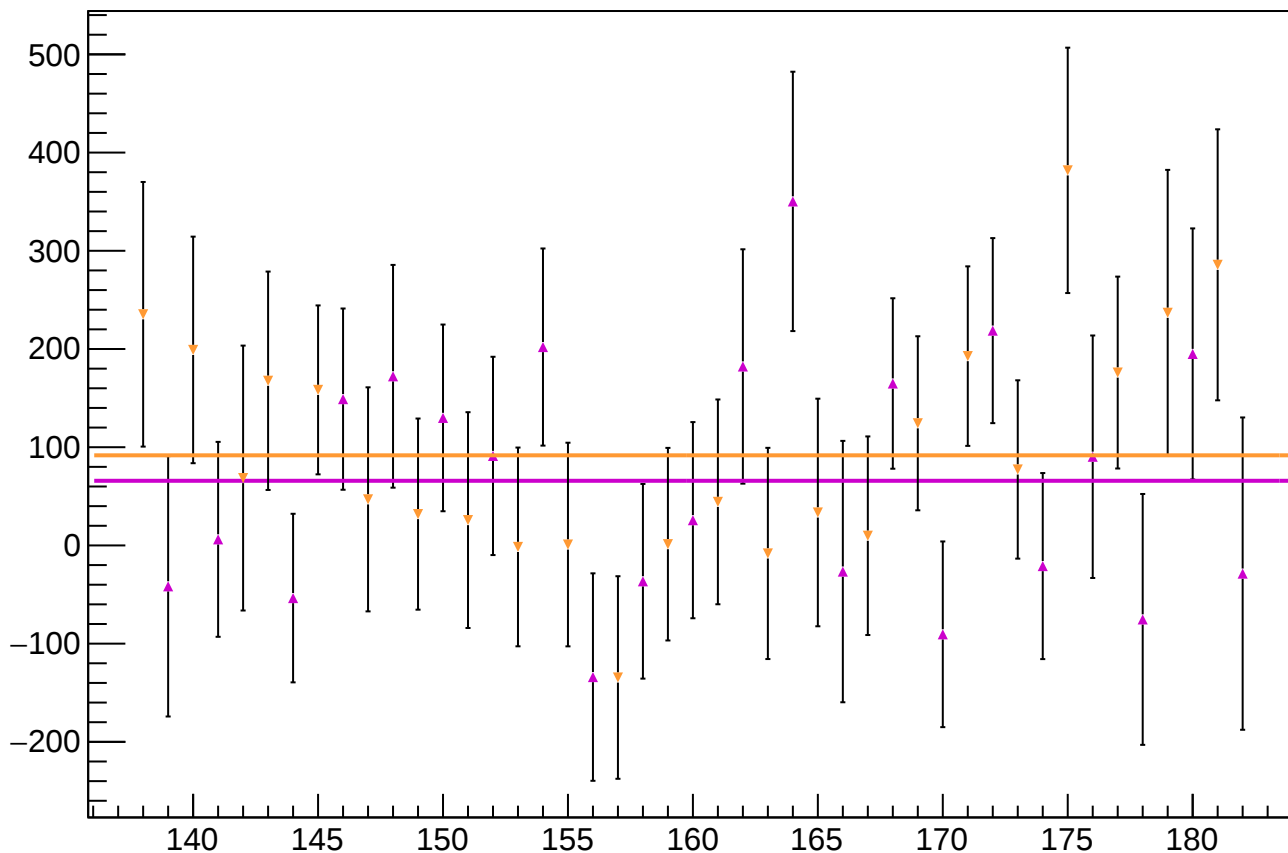
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 692.865+/-0.119 χ^2/NDF : 516896.6/21

Out: 692.162+/-0.119 χ^2/NDF : 643669.3/22

All: 692.511+/-0.084 χ^2/NDF : 1160583.4/44

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 91.745+/-22.123 χ^2/NDF :23.7/22

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

Left In: 65.817+/-22.531 χ^2/NDF :28.0/21

Left: 79.018+/-15.786 χ^2/NDF : 52.5/44

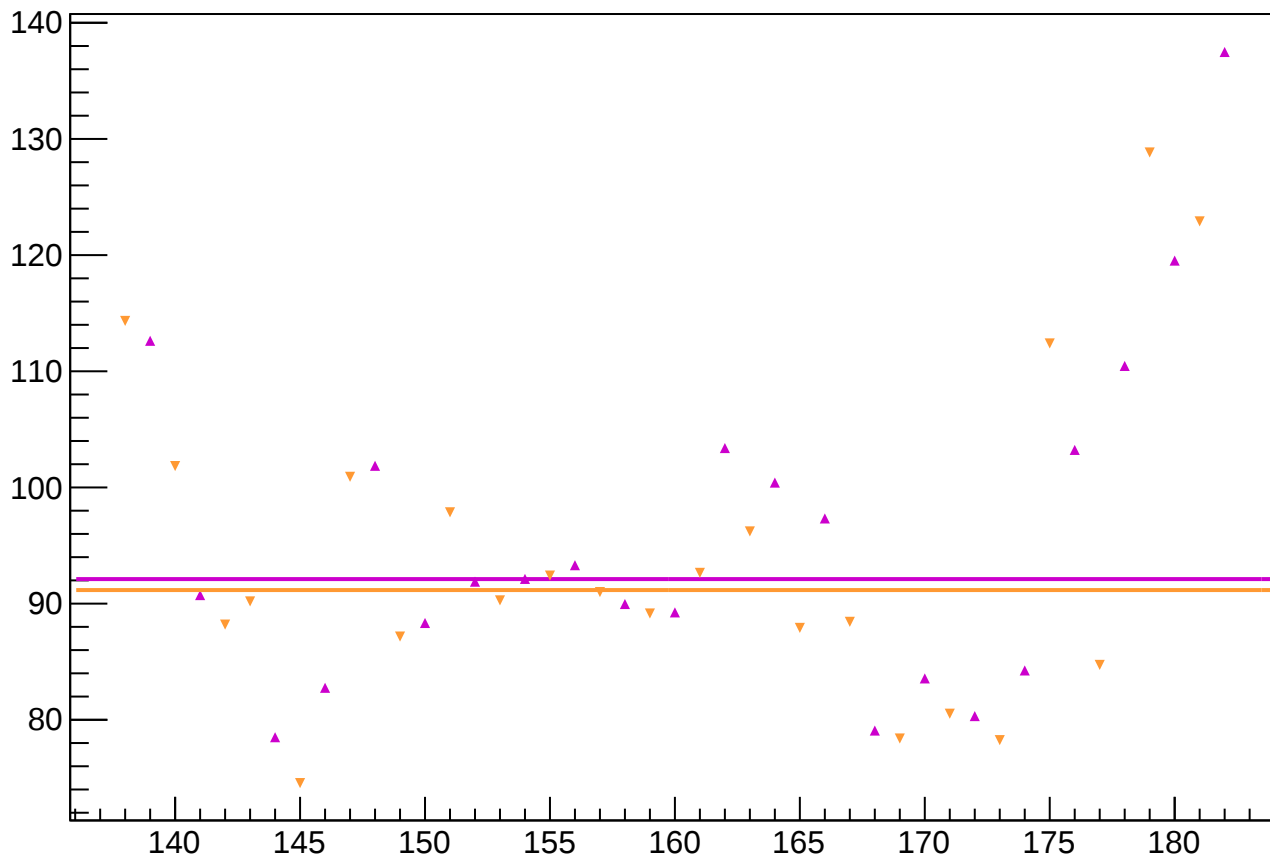
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 65.817+/-22.531 χ^2/NDF :28.0/21

Out: 91.745+/-22.123 χ^2/NDF :23.7/22

All: 79.018+/-15.786 χ^2/NDF : 52.5/44

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.168+/-0.016 χ^2/NDF : 602134.7/22

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

Left In: 92.113+/-0.016 χ^2/NDF : 587858.1/21

Left: 91.631+/-0.011 χ^2/NDF : 1191783.6/44

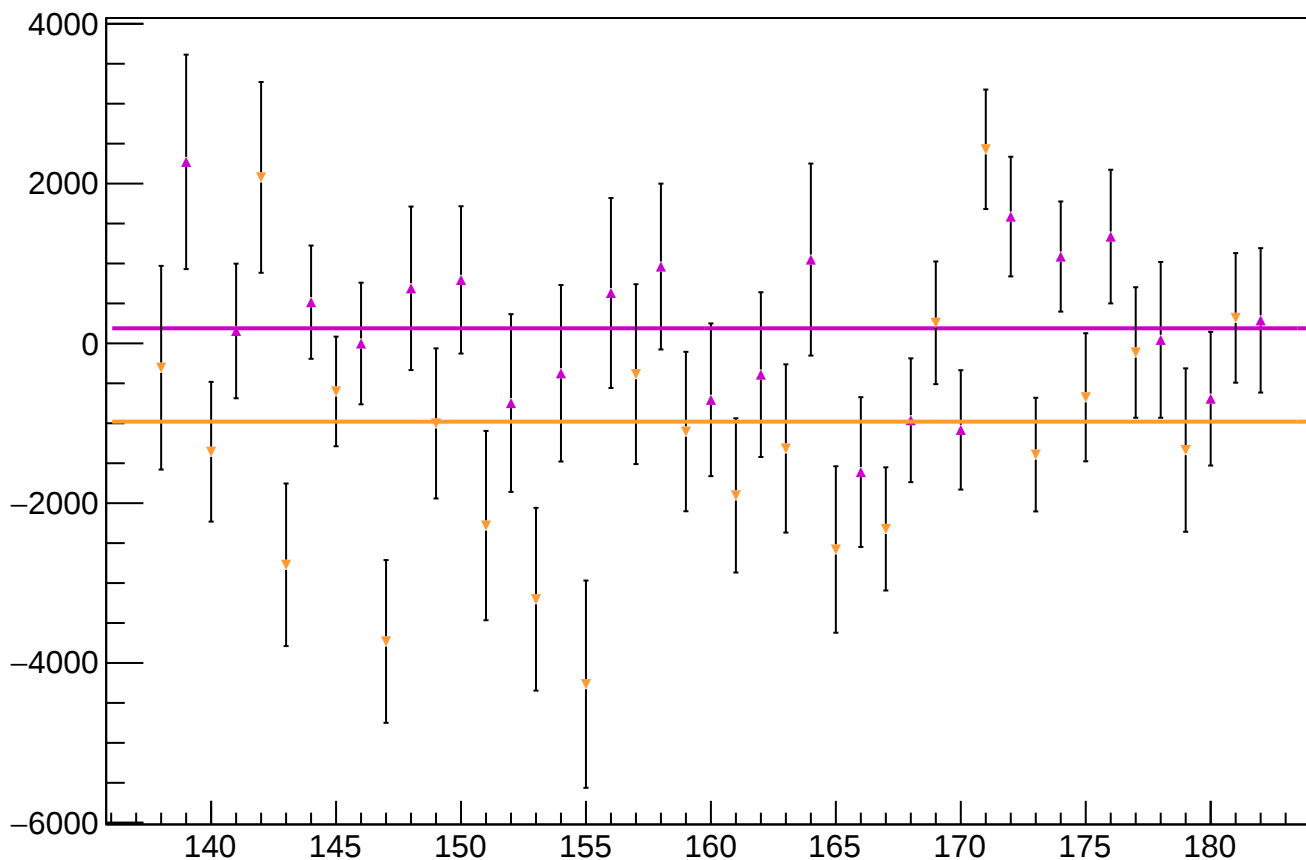
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 92.113+/-0.016 χ^2/NDF : 587858.1/21

Out: 91.168+/-0.016 χ^2/NDF : 602134.7/22

All: 91.631+/-0.011 χ^2/NDF : 1191783.6/44

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -979.968+/-191.563 χ^2/NDF :63.5/22

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

Left In: 188.756+/-190.972 χ^2/NDF :23.7/21

Left: -393.802+/-135.246 χ^2/NDF : 105.9/44

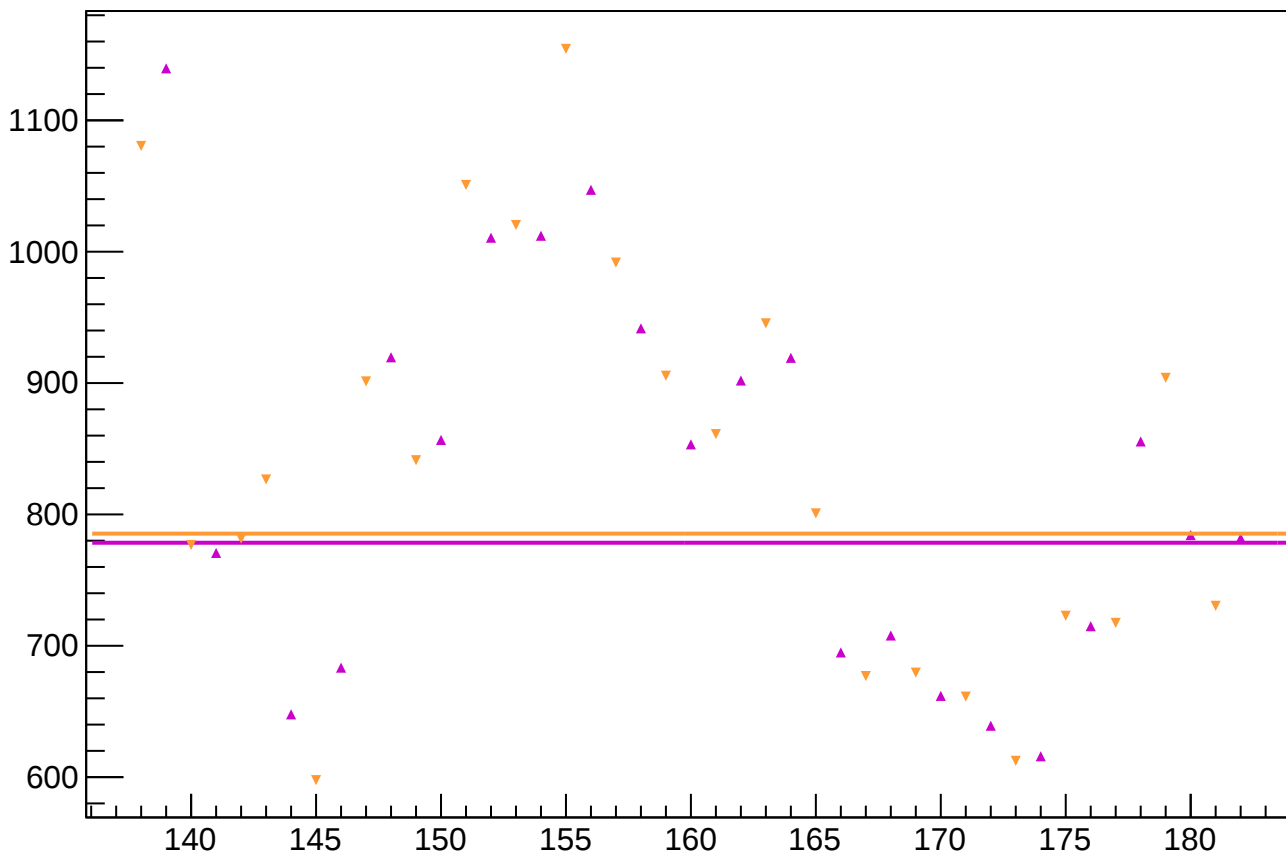
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 188.756+/-190.972 χ^2/NDF :23.7/21

Out: -979.968+/-191.563 χ^2/NDF :63.5/22

All: -393.802+/-135.246 χ^2/NDF : 105.9/44

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 785.379+/-0.135 χ^2/NDF :1108265.2/22

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

Left In: 778.442+/-0.135 χ^2/NDF :979158.5/21

Left: 781.900+/-0.096 χ^2/NDF : 2088739.1/44

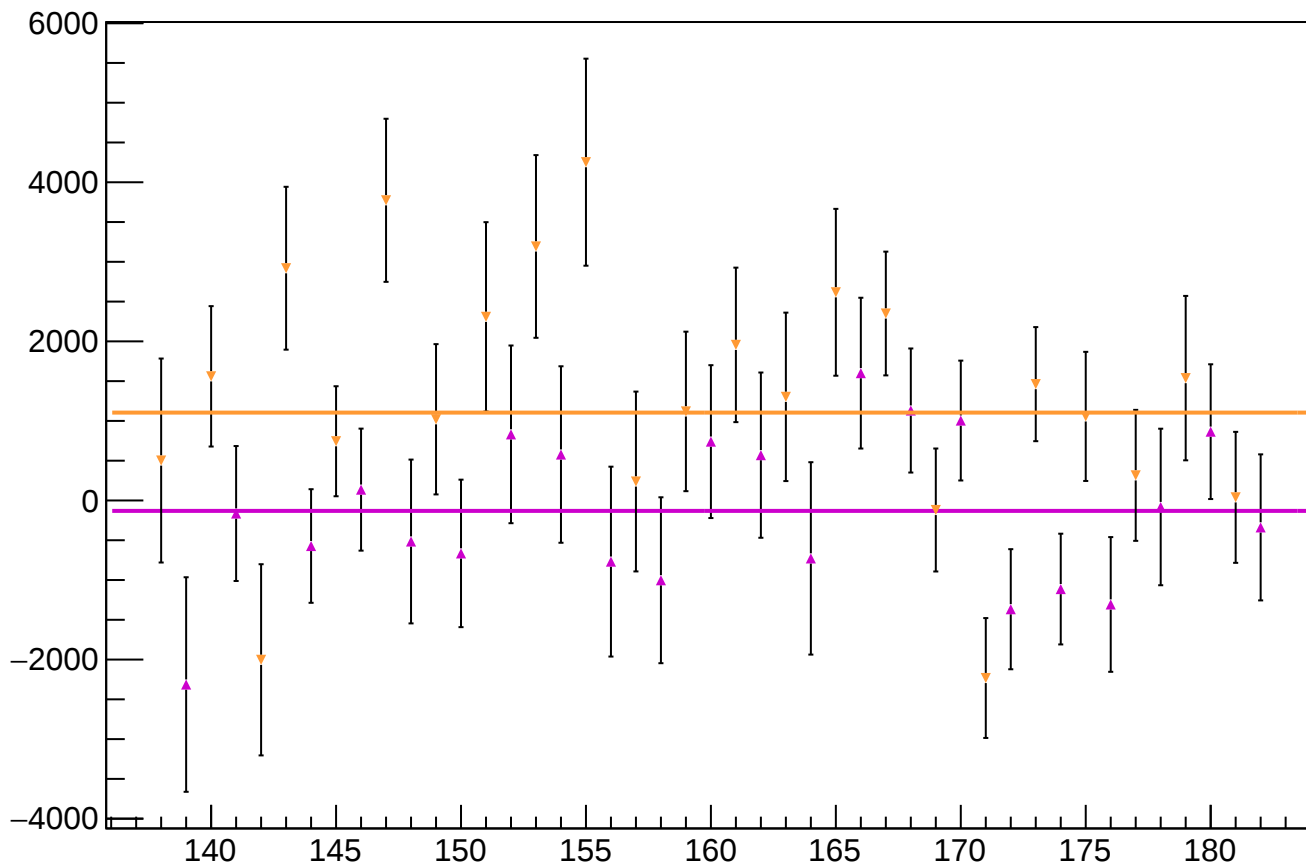
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 778.442+/-0.135 χ^2/NDF :979158.5/21

Out: 785.379+/-0.135 χ^2/NDF :1108265.2/22

All: 781.900+/-0.096 χ^2/NDF : 2088739.1/44

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1104.559+/-193.035 χ^2/NDF :58.7/22

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

Left In: -131.074+/-192.500 χ^2/NDF :23.5/21

Left: 485.029+/-136.307 χ^2/NDF : 102.8/44

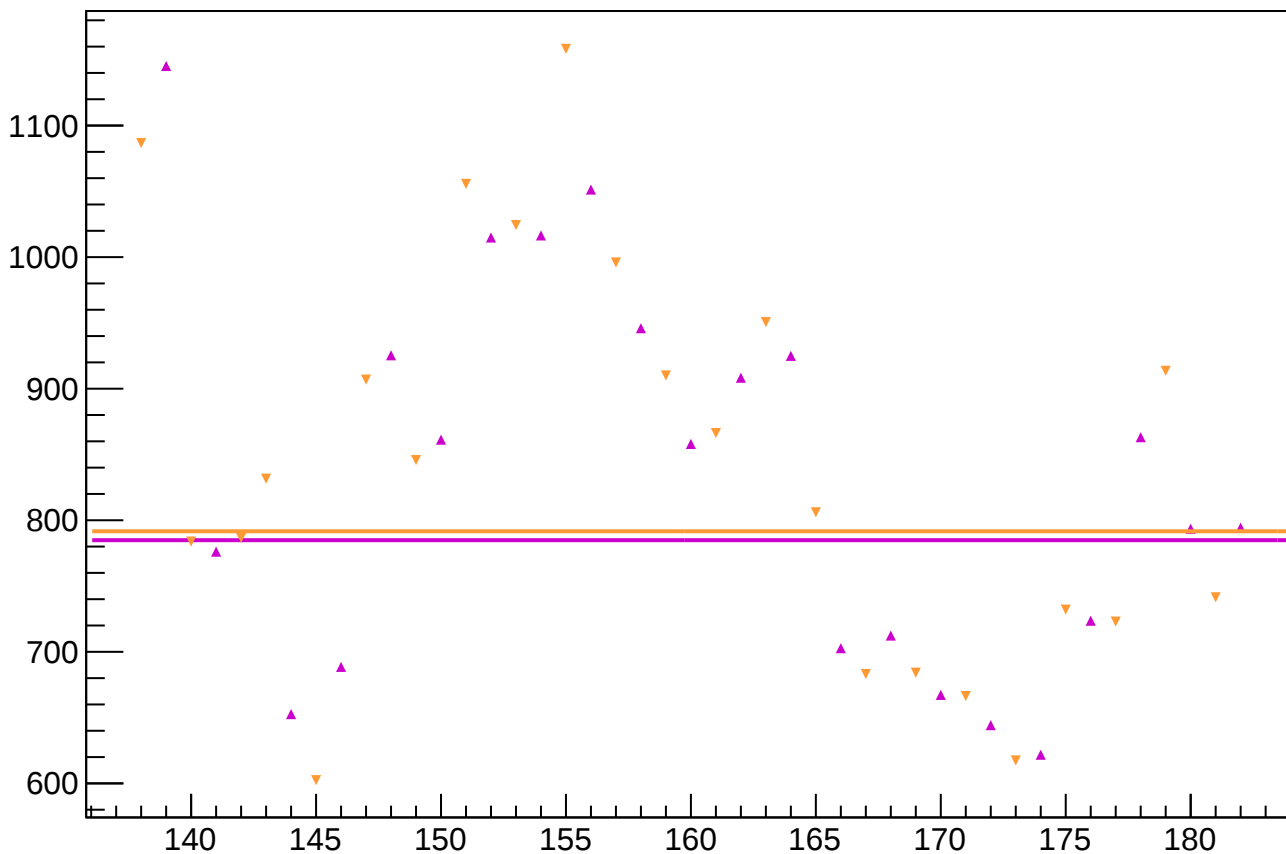
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -131.074+/-192.500 χ^2/NDF :23.5/21

Out: 1104.559+/-193.035 χ^2/NDF :58.7/22

All: 485.029+/-136.307 χ^2/NDF : 102.8/44

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 791.624+/-0.136 χ^2/NDF :1091481.7/22

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

Left In: 784.854+/-0.136 χ^2/NDF :963906.4/21

Left: 788.230+/-0.096 χ^2/NDF : 2056621.2/44

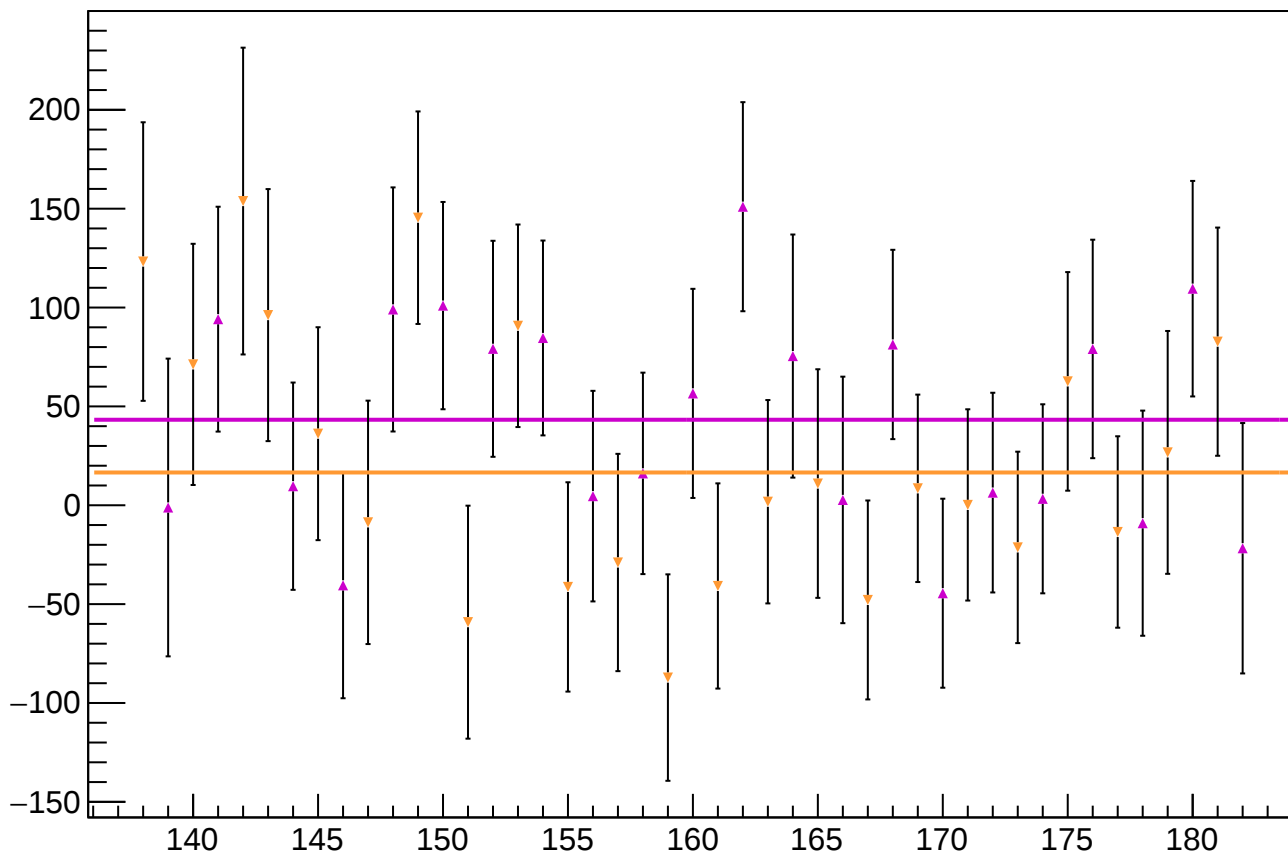
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 784.854+/-0.136 χ^2/NDF :963906.4/21

Out: 791.624+/-0.136 χ^2/NDF :1091481.7/22

All: 788.230+/-0.096 χ^2/NDF : 2056621.2/44

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 16.578 $\pm$ 11.452 χ^2 /NDF:29.6/22

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

Left In: 43.253 $\pm$ 11.601 χ^2 /NDF:21.6/21

Left: 29.743 $\pm$ 8.150 χ^2 /NDF: 53.9/44

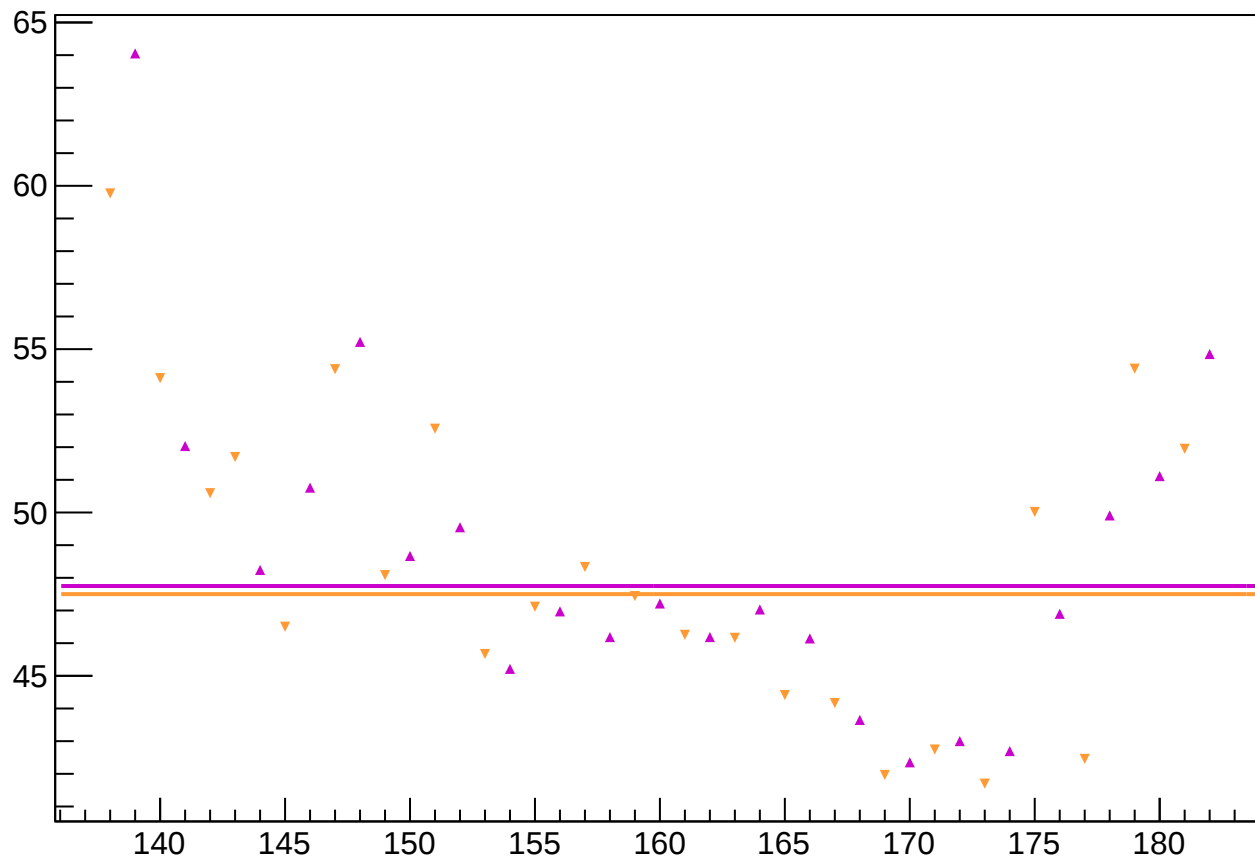
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 43.253 $\pm$ 11.601 χ^2 /NDF:21.6/21

Out: 16.578 $\pm$ 11.452 χ^2 /NDF:29.6/22

All: 29.743 $\pm$ 8.150 χ^2 /NDF: 53.9/44

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 47.501+/-0.008 χ^2/NDF :295186.6/22

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

Left In: 47.749+/-0.008 χ^2/NDF :270424.9/21

Left: 47.624+/-0.006 χ^2/NDF : 566074.6/44

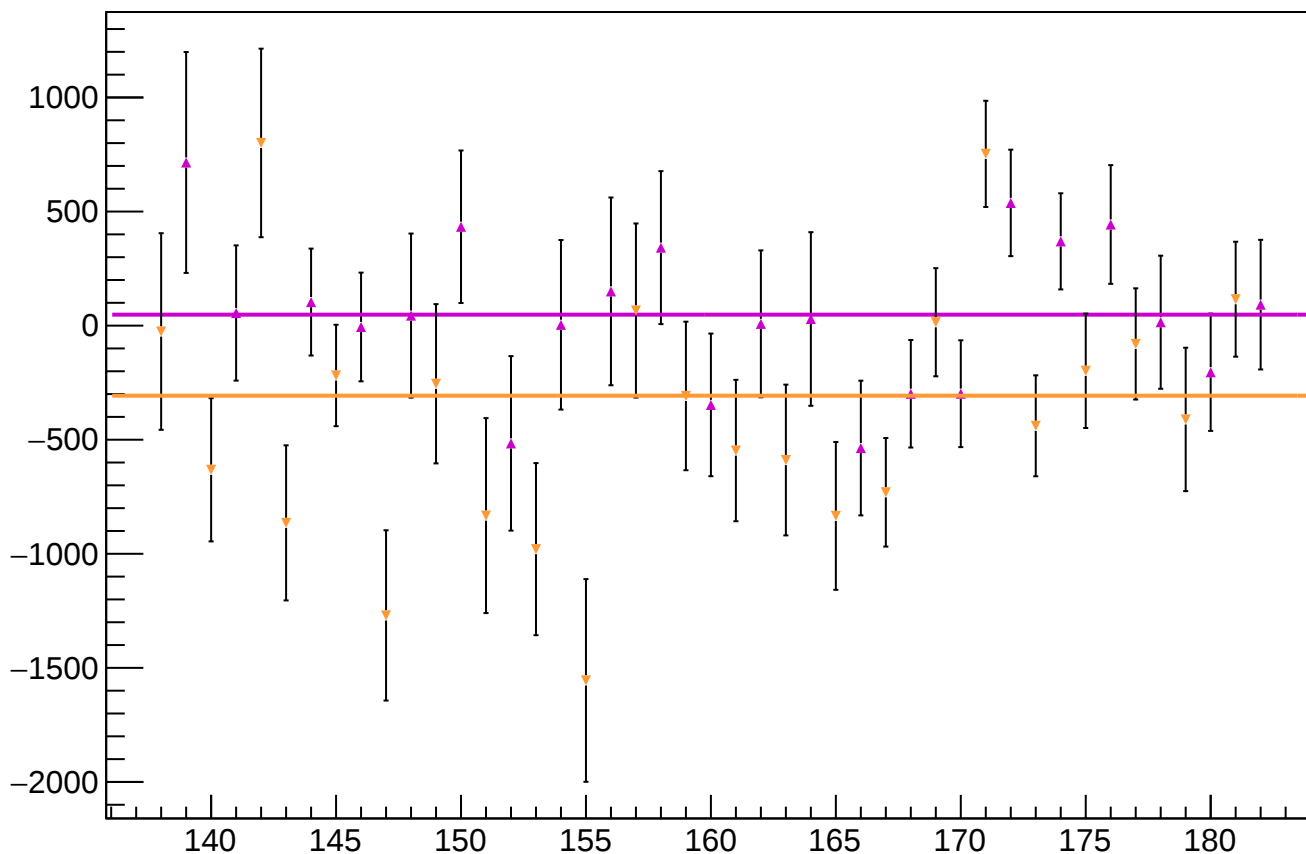
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.749+/-0.008 χ^2/NDF :270424.9/21

Out: 47.501+/-0.008 χ^2/NDF :295186.6/22

All: 47.624+/-0.006 χ^2/NDF : 566074.6/44

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -307.019 $\pm$ 61.822 χ^2 /NDF:65.8/22

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

Left In: 48.129 $\pm$ 61.252 χ^2 /NDF:26.3/21

Left: -127.802 $\pm$ 43.512 χ^2 /NDF: 108.8/44

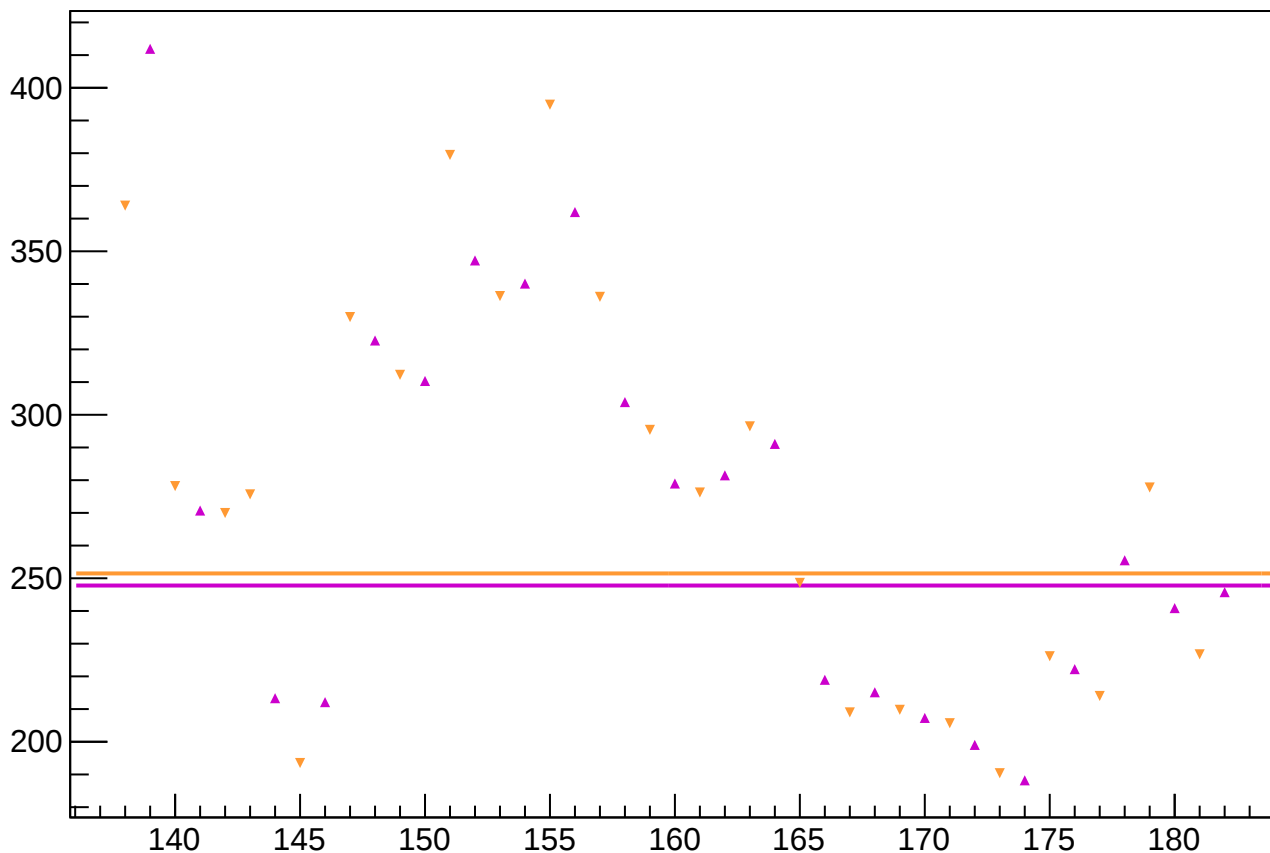
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 48.129 $\pm$ 61.252 χ^2 /NDF:26.3/21

Out: -307.019 $\pm$ 61.822 χ^2 /NDF:65.8/22

All: -127.802 $\pm$ 43.512 χ^2 /NDF: 108.8/44

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 251.481+/-0.044 χ^2/NDF :1580189.6/22

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

Left In: 247.782+/-0.043 χ^2/NDF :1410242.3/21

Left: 249.614+/-0.031 χ^2/NDF : 2994045.5/44

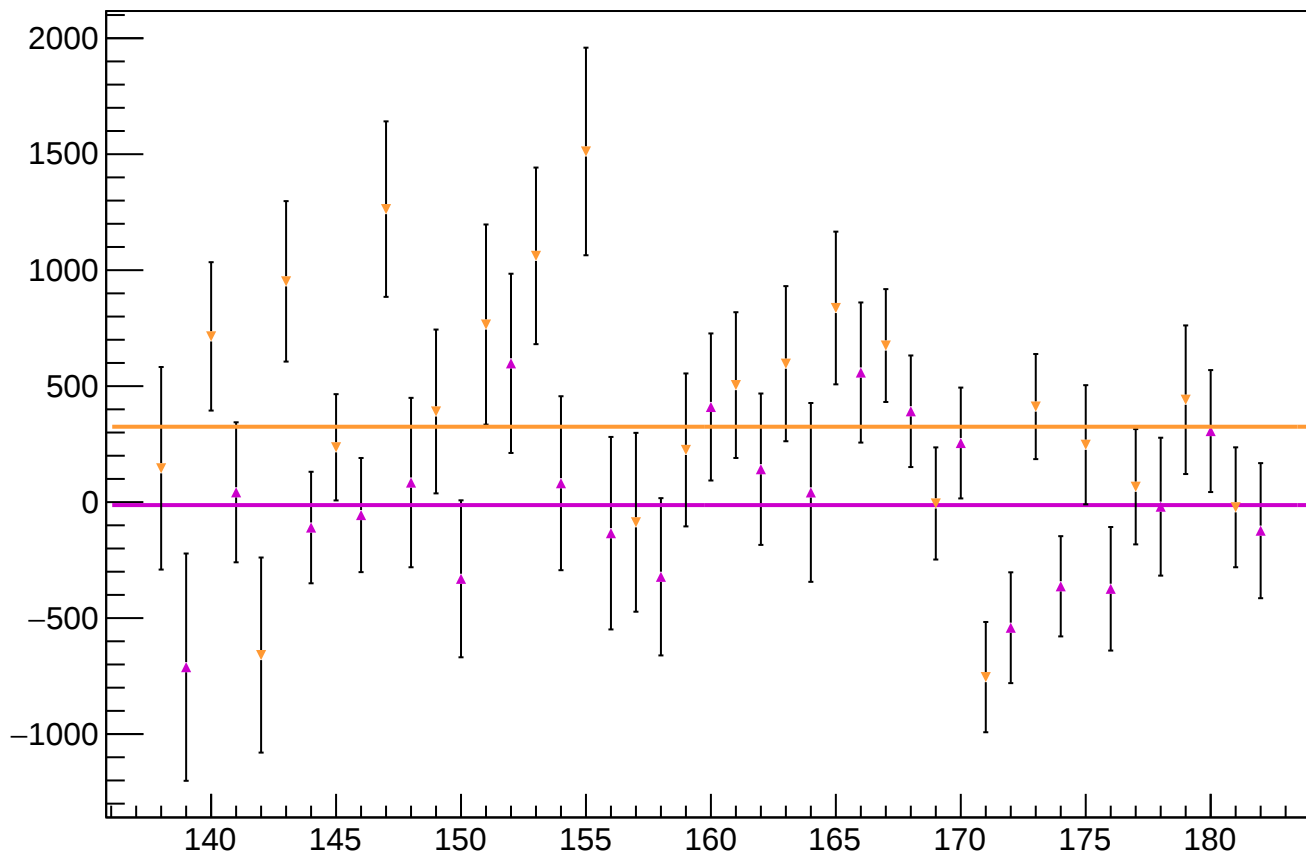
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 247.782+/-0.043 χ^2/NDF :1410242.3/21

Out: 251.481+/-0.044 χ^2/NDF :1580189.6/22

All: 249.614+/-0.031 χ^2/NDF : 2994045.5/44

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 325.051+/-63.017 χ^2/NDF :61.0/22

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

Left In: -12.818+/-62.505 χ^2/NDF :27.4/21

Left: 154.738+/-44.378 χ^2/NDF : 102.9/44

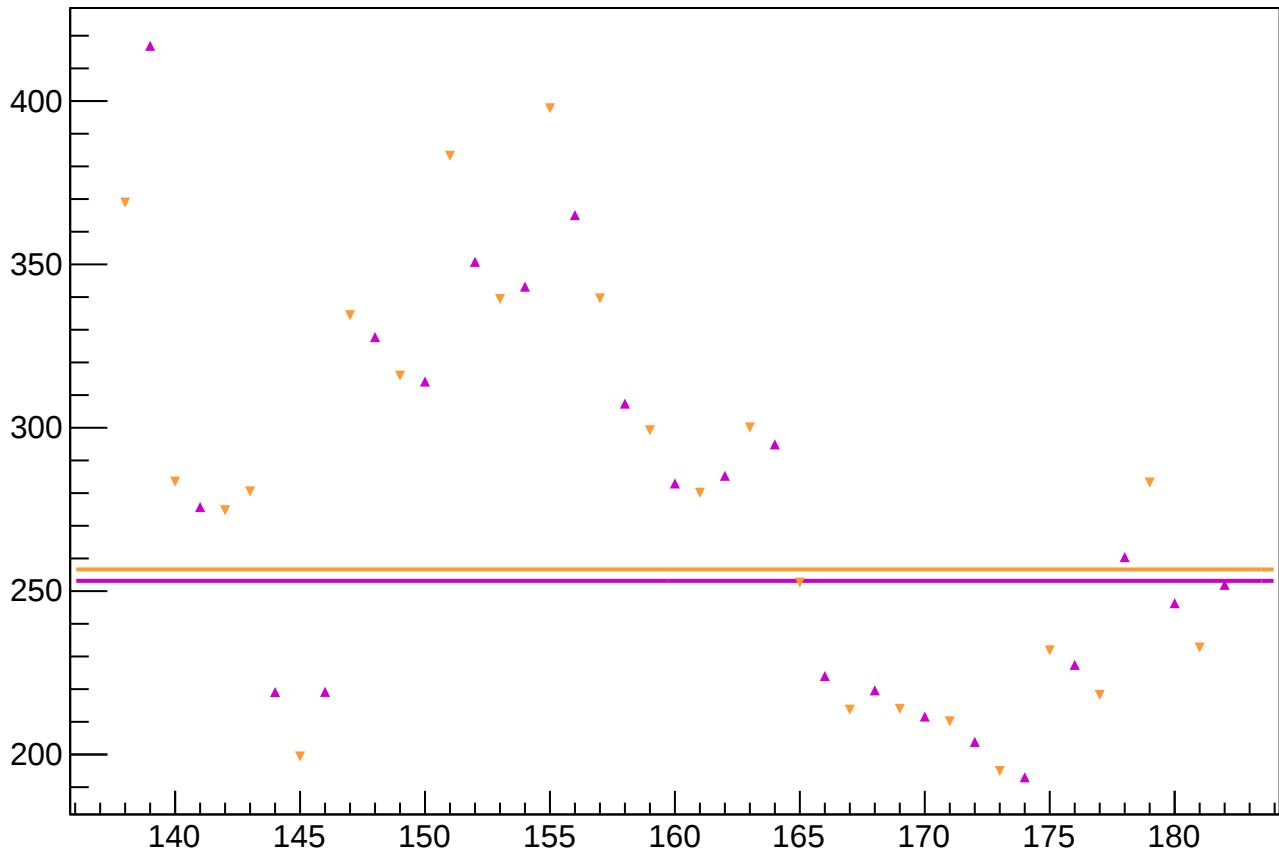
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.818+/-62.505 χ^2/NDF :27.4/21

Out: 325.051+/-63.017 χ^2/NDF :61.0/22

All: 154.738+/-44.378 χ^2/NDF : 102.9/44

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 256.638+/-0.045 χ^2/NDF :1509225.5/22

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

Left In: 253.142+/-0.044 χ^2/NDF :1340981.9/21

Left: 254.876+/-0.031 χ^2/NDF : 2853310.7/44

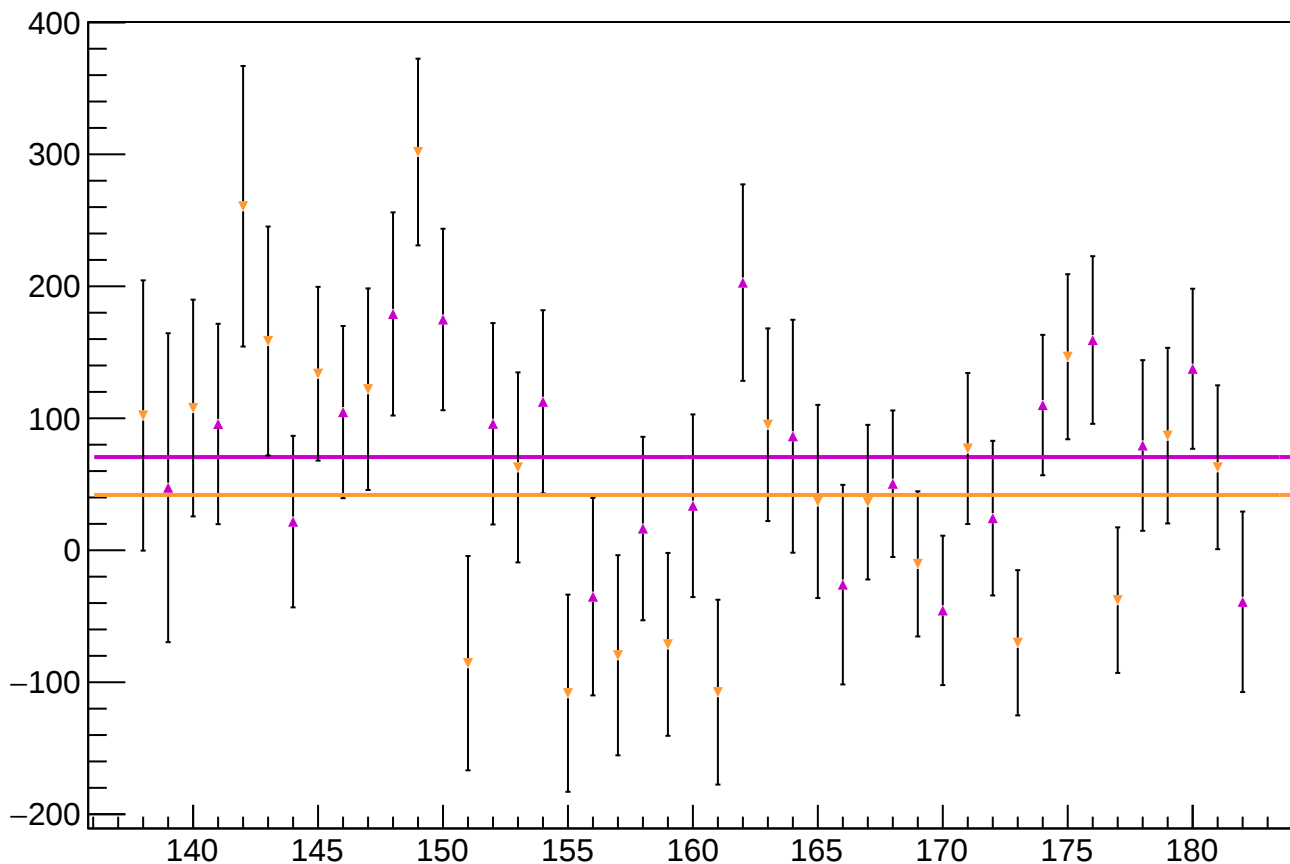
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 253.142+/-0.044 χ^2/NDF :1340981.9/21

Out: 256.638+/-0.045 χ^2/NDF :1509225.5/22

All: 254.876+/-0.031 χ^2/NDF : 2853310.7/44

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 41.913+/-14.315 χ^2/NDF : 51.4/22

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

Left In: 70.633+/-14.417 χ^2/NDF : 24.7/21

Left: 56.170+/-10.158 χ^2/NDF : 78.1/44

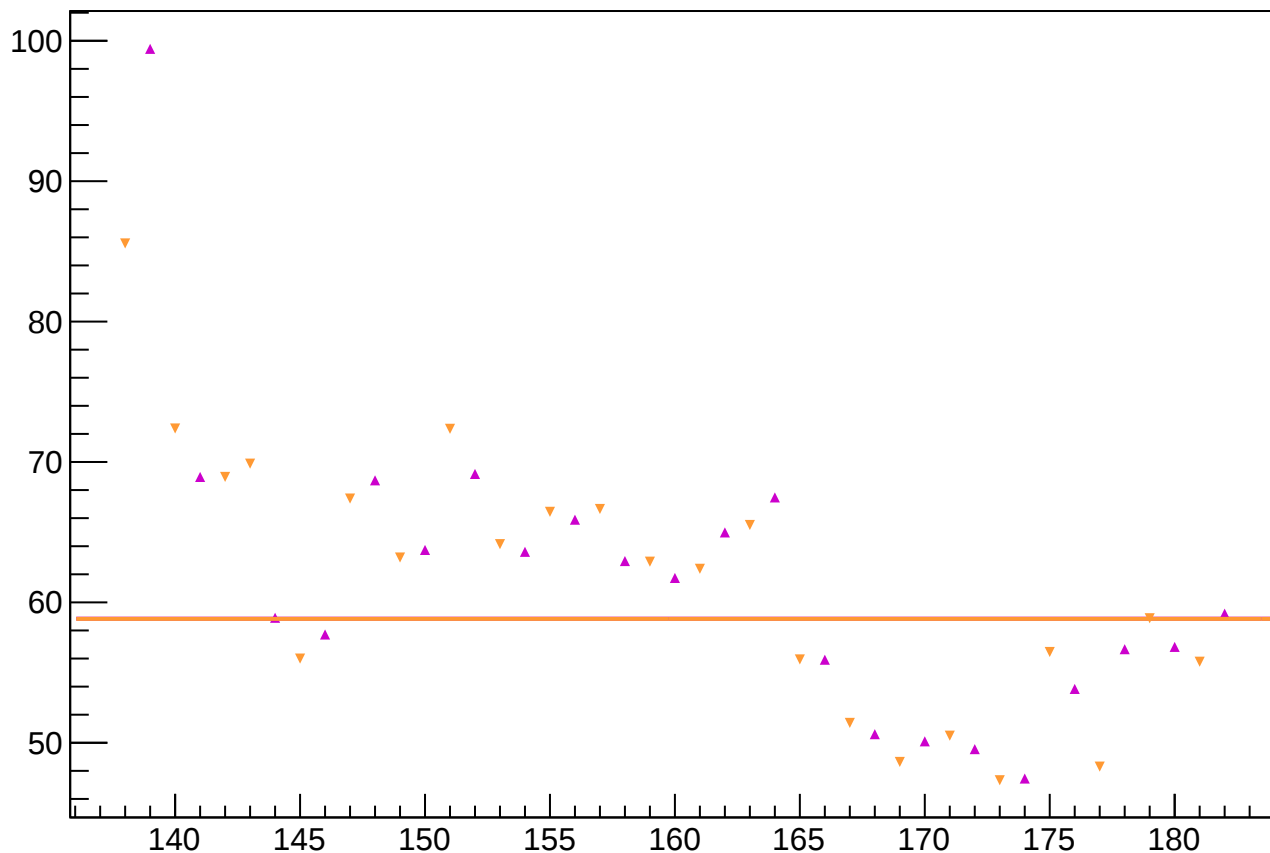
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 70.633+/-14.417 χ^2/NDF : 24.7/21

Out: 41.913+/-14.315 χ^2/NDF : 51.4/22

All: 56.170+/-10.158 χ^2/NDF : 78.1/44

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 58.826+/-0.010 χ^2/NDF : 729615.8/22

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

Left In: 58.838+/-0.010 χ^2/NDF : 679923.3/21

Left: 58.832+/-0.007 χ^2/NDF : 1409539.8/44

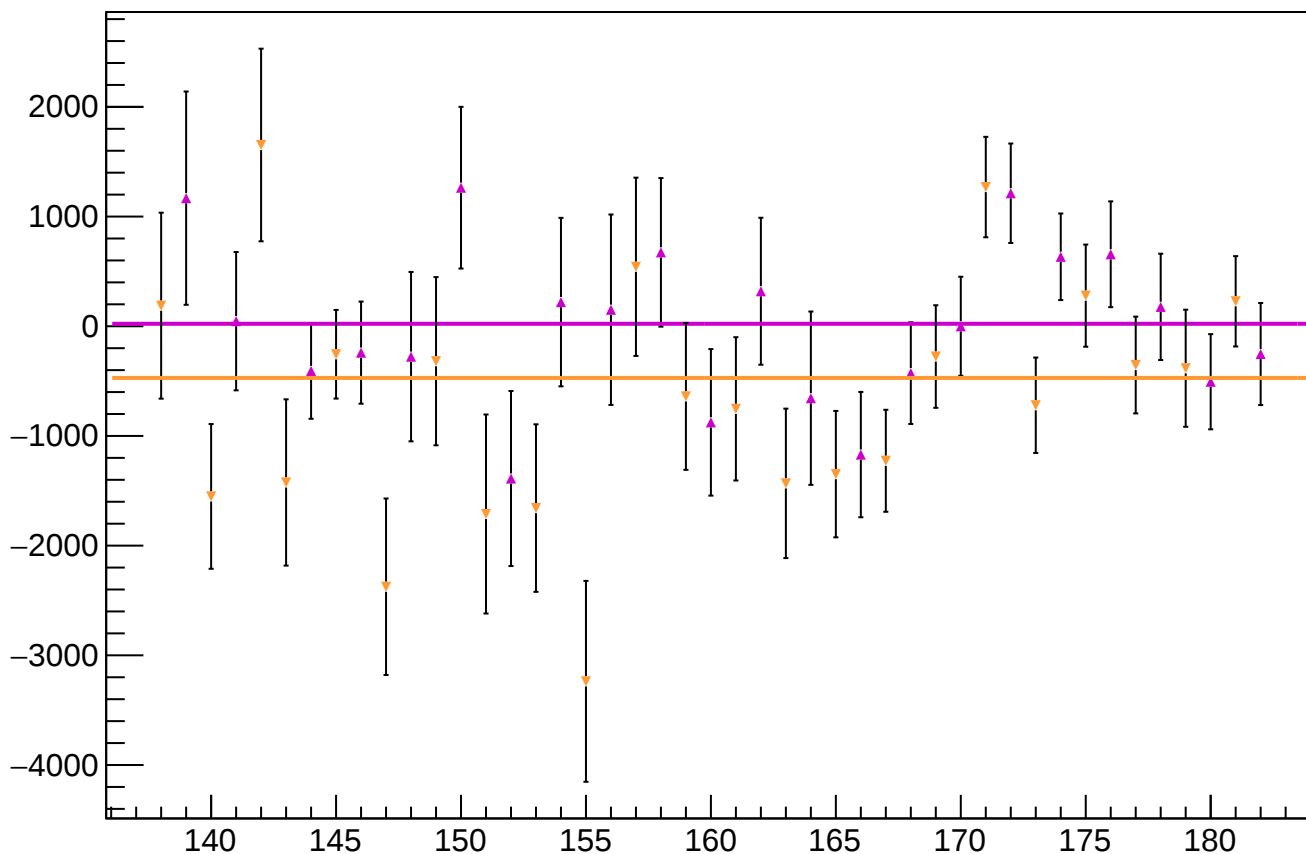
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 58.838+/-0.010 χ^2/NDF : 679923.3/21

Out: 58.826+/-0.010 χ^2/NDF : 729615.8/22

All: 58.832+/-0.007 χ^2/NDF : 1409539.8/44

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -471.176 ± 119.618 $\chi^2/\text{NDF}: 59.3/22$

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

Left In: 22.617 ± 117.681 $\chi^2/\text{NDF}: 30.8/21$

Left: -220.249 ± 83.889 $\chi^2/\text{NDF}: 98.8/44$

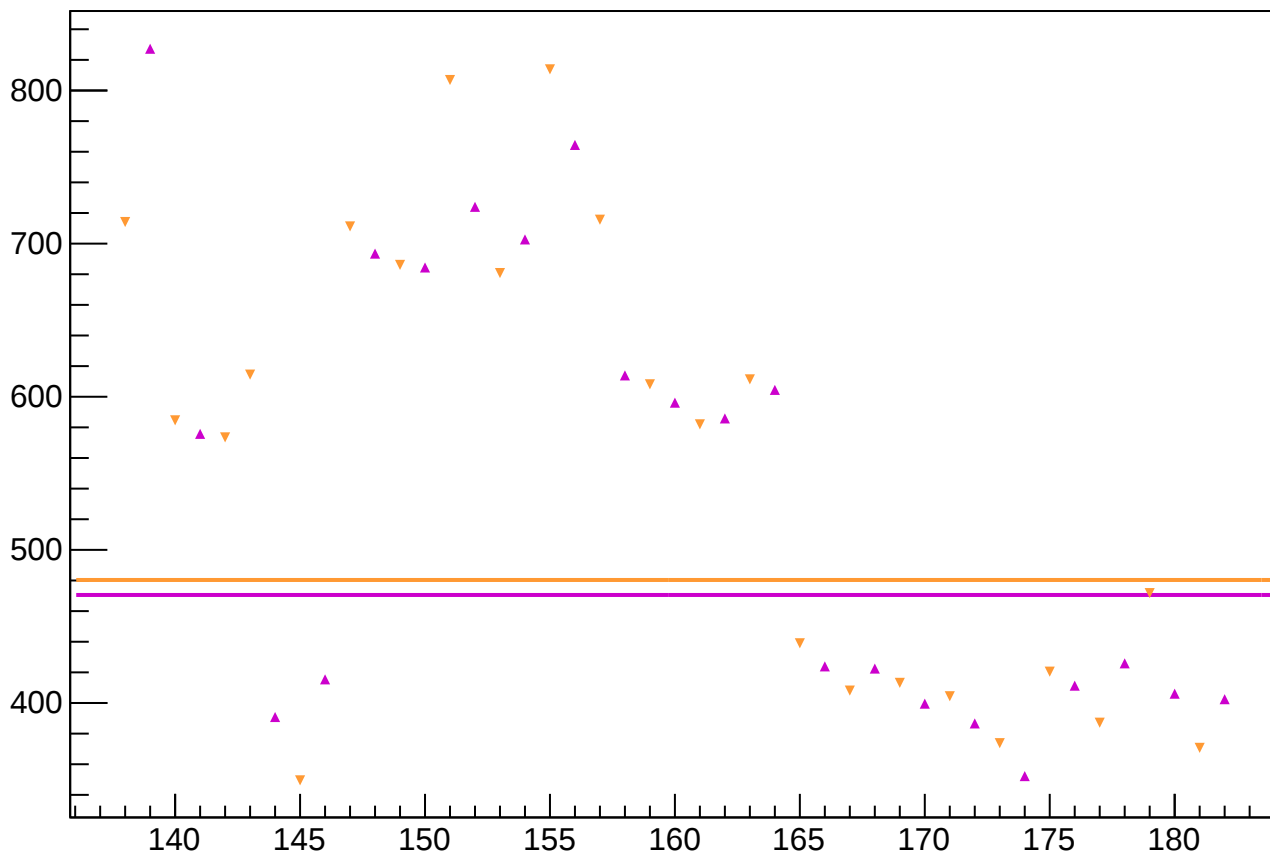
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: 22.617 ± 117.681 $\chi^2/\text{NDF}: 30.8/21$

Out: -471.176 ± 119.618 $\chi^2/\text{NDF}: 59.3/22$

All: -220.249 ± 83.889 $\chi^2/\text{NDF}: 98.8/44$

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 480.341+/-0.085 χ^2/NDF :2370193.9/22

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

Left In: 470.548+/-0.083 χ^2/NDF :2112559.3/21

Left: 475.364+/-0.059 χ^2/NDF : 4489564.7/44

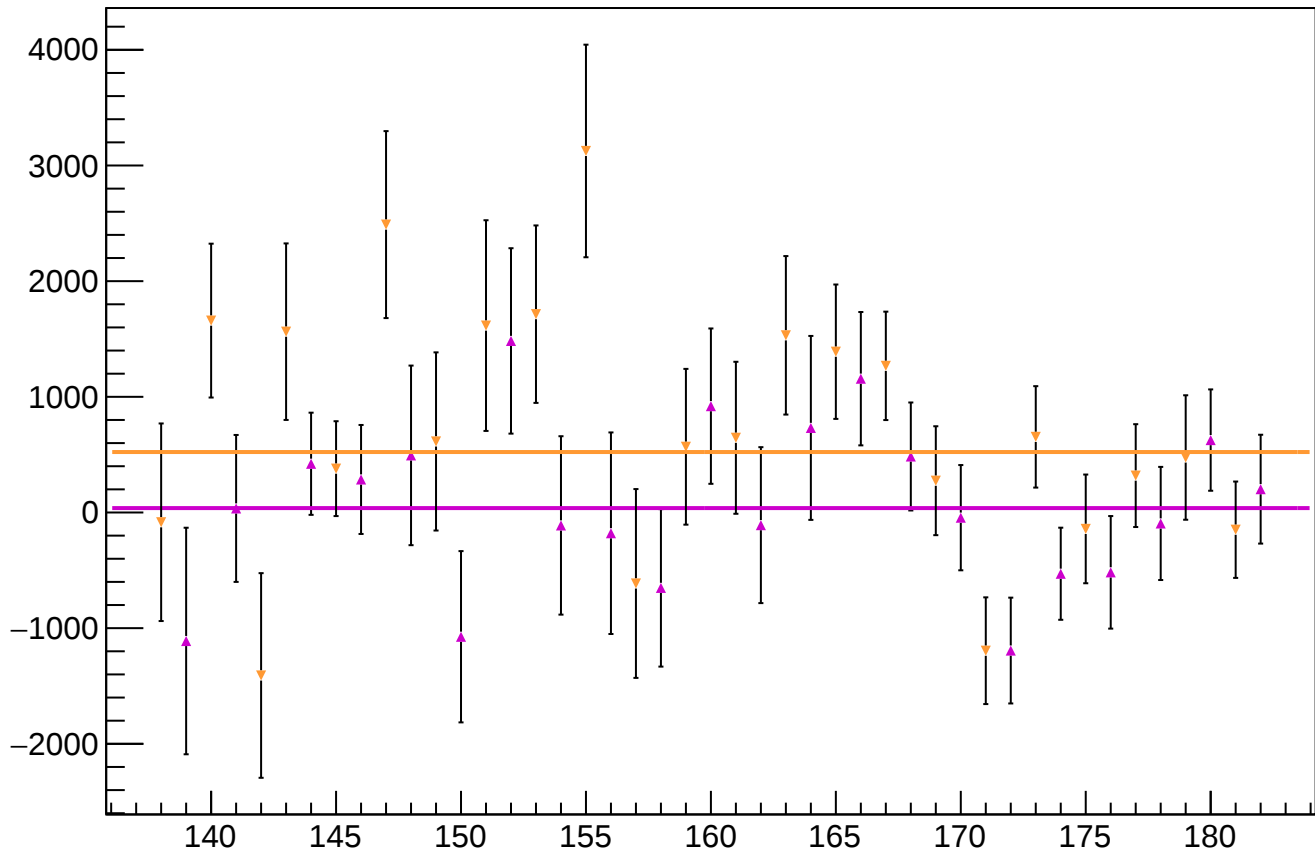
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 470.548+/-0.083 χ^2/NDF :2112559.3/21

Out: 480.341+/-0.085 χ^2/NDF :2370193.9/22

All: 475.364+/-0.059 χ^2/NDF : 4489564.7/44

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 522.734+/-120.585 χ^2/NDF :55.9/22

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

Left In: 38.049+/-118.678 χ^2/NDF :29.2/21

Left: 276.530+/-84.584 χ^2/NDF : 93.4/44

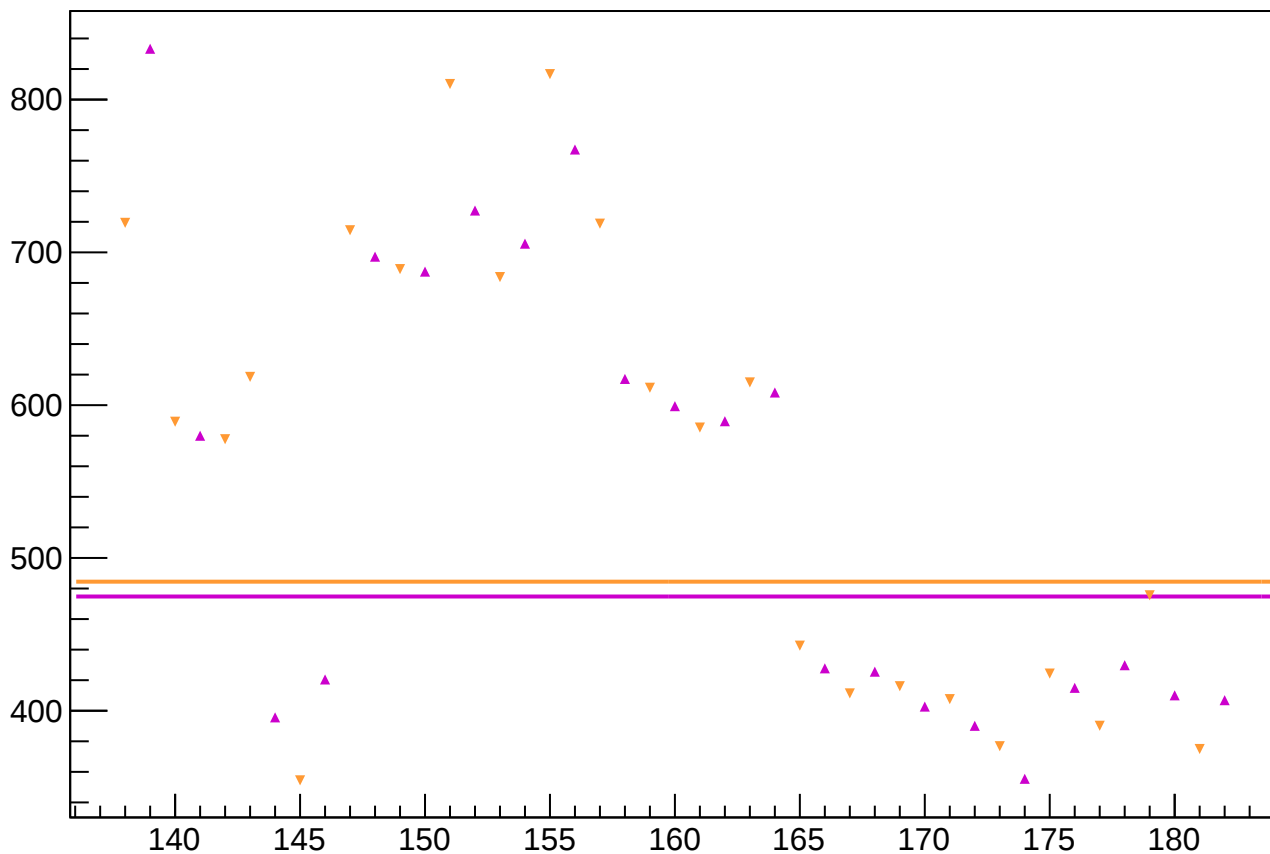
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 38.049+/-118.678 χ^2/NDF :29.2/21

Out: 522.734+/-120.585 χ^2/NDF :55.9/22

All: 276.530+/-84.584 χ^2/NDF : 93.4/44

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 484.481+/-0.085 χ^2/NDF :2335708.7/22

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

Left In: 474.769+/-0.084 χ^2/NDF :2082866.2/21

Left: 479.548+/-0.060 χ^2/NDF : 4425166.0/44

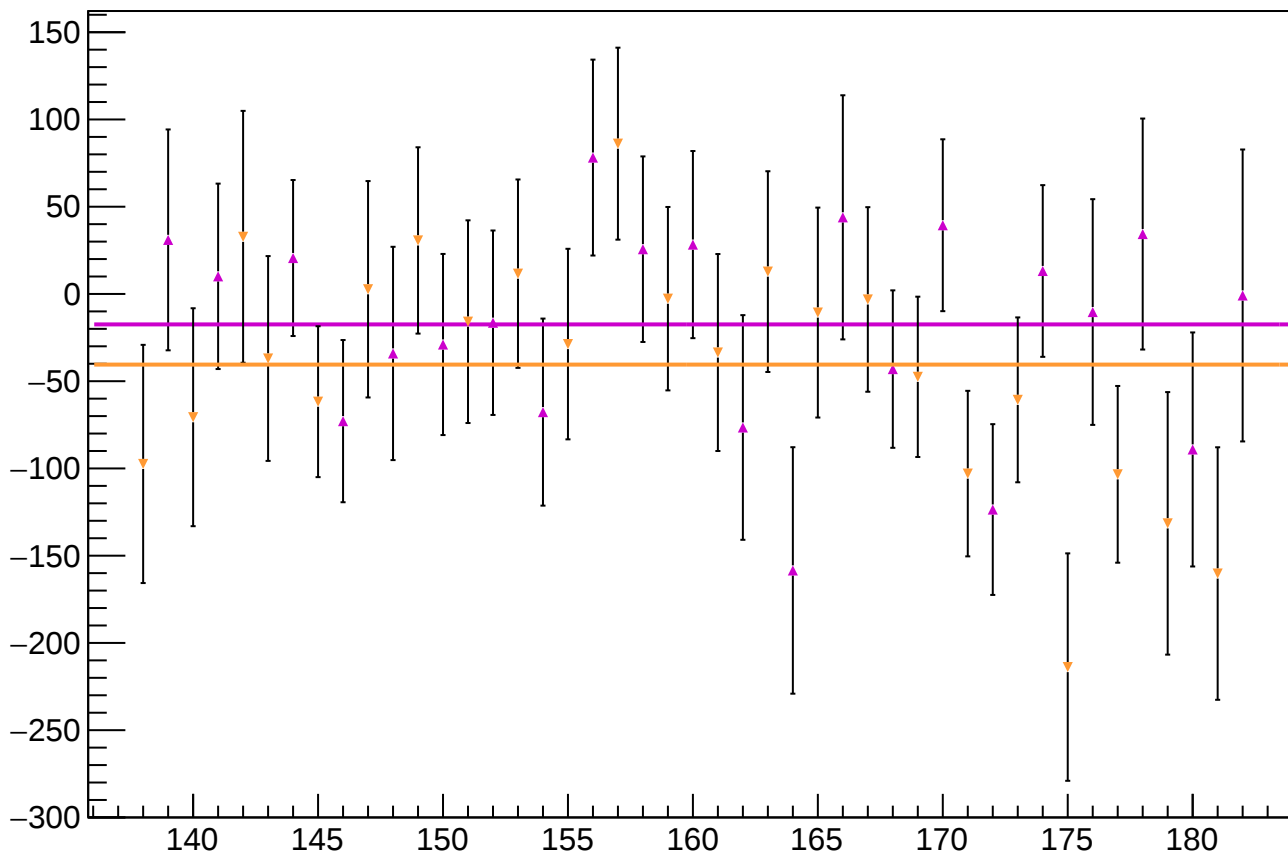
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 474.769+/-0.084 χ^2/NDF :2082866.2/21

Out: 484.481+/-0.085 χ^2/NDF :2335708.7/22

All: 479.548+/-0.060 χ^2/NDF : 4425166.0/44

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -40.484 ± 11.644 $\chi^2/\text{NDF}: 27.8/22$

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

Left In: -17.451 ± 11.832 $\chi^2/\text{NDF}: 22.4/21$

Left: -29.152 ± 8.299 $\chi^2/\text{NDF}: 52.2/44$

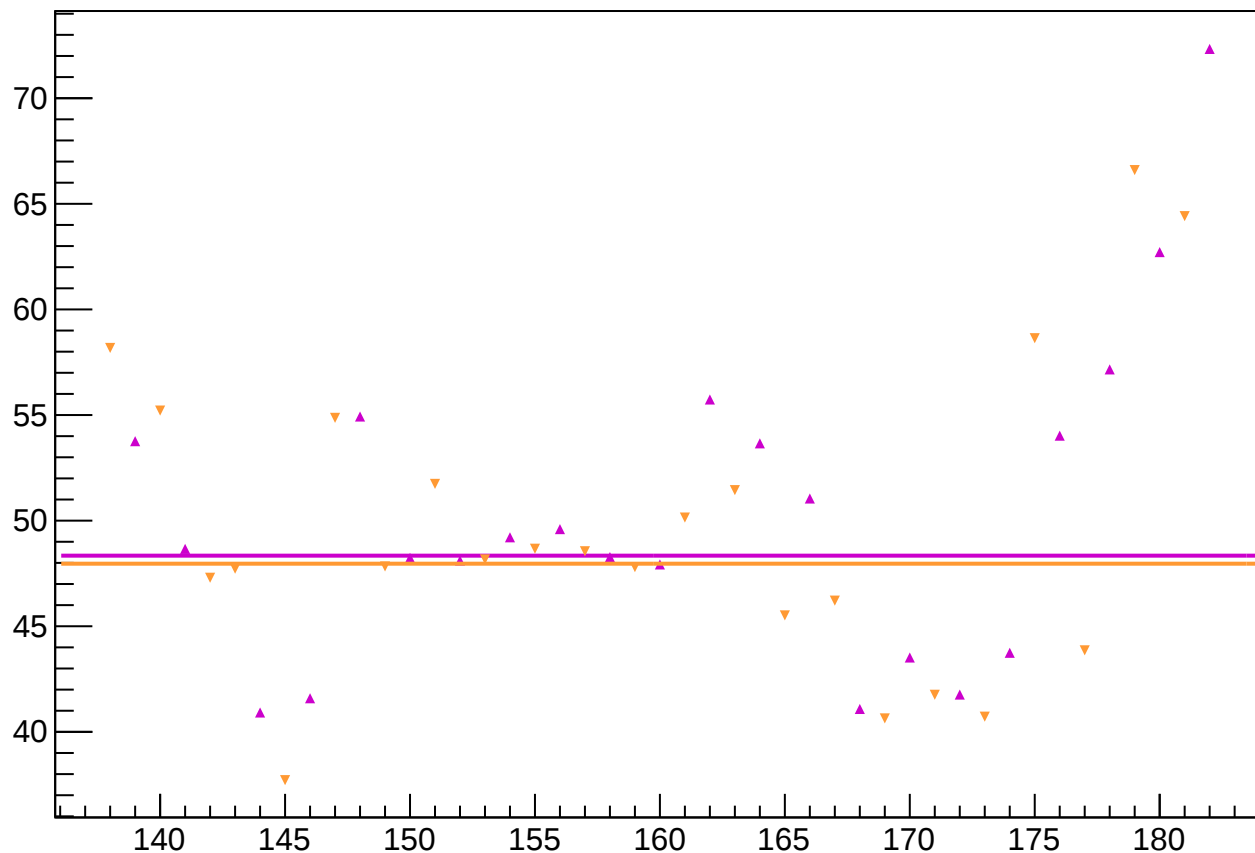
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -17.451 ± 11.832 $\chi^2/\text{NDF}: 22.4/21$

Out: -40.484 ± 11.644 $\chi^2/\text{NDF}: 27.8/22$

All: -29.152 ± 8.299 $\chi^2/\text{NDF}: 52.2/44$

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 47.962+/-0.008 χ^2/NDF : 658975.7/22

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

Left In: 48.342+/-0.008 χ^2/NDF : 609547.7/21

Left: 48.149+/-0.006 χ^2/NDF : 1269575.3/44

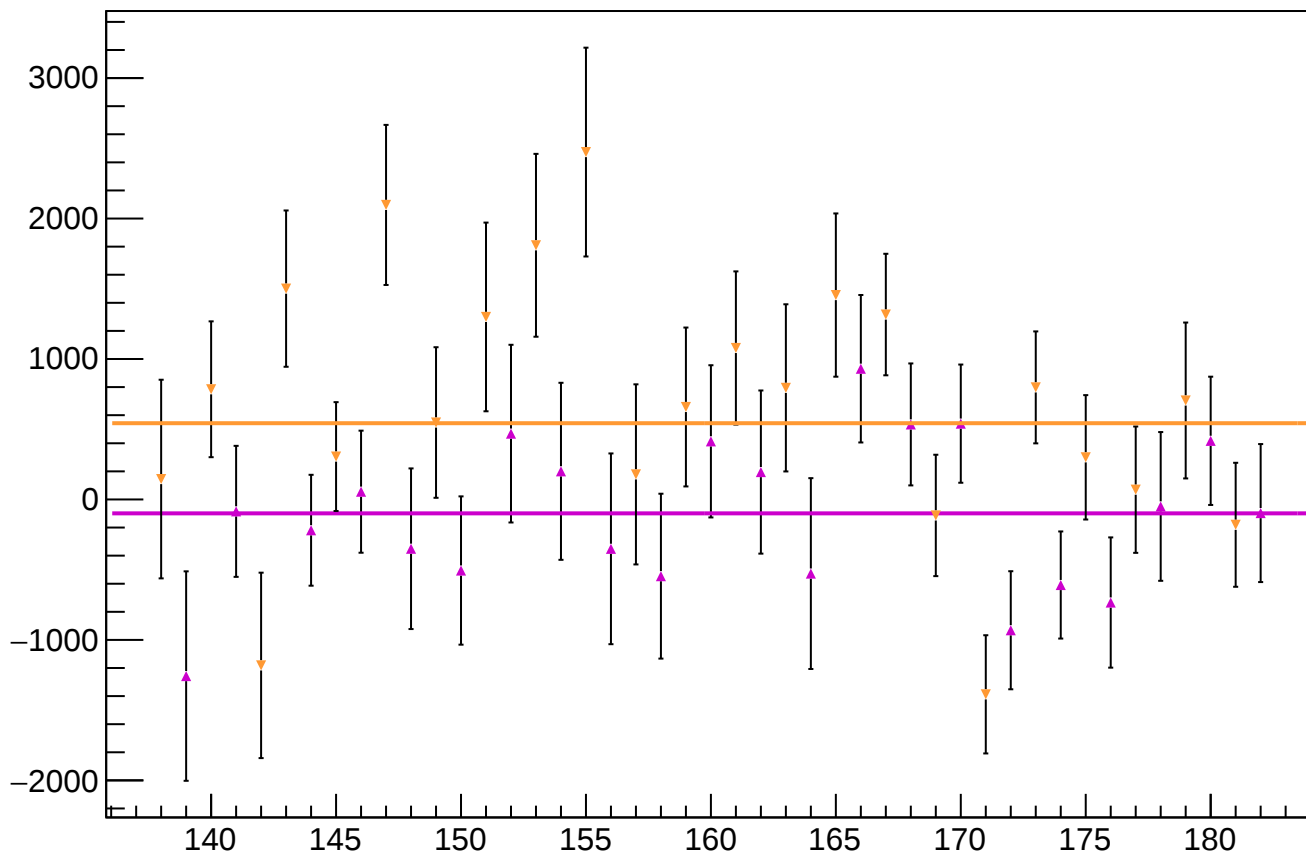
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 48.342+/-0.008 χ^2/NDF : 609547.7/21

Out: 47.962+/-0.008 χ^2/NDF : 658975.7/22

All: 48.149+/-0.006 χ^2/NDF : 1269575.3/44

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: 542.883+/-107.098 χ^2/NDF : 65.1/22

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

Left In: -98.943+/-106.805 χ^2/NDF : 23.9/21

Left: 221.090+/-75.626 χ^2/NDF : 107.0/44

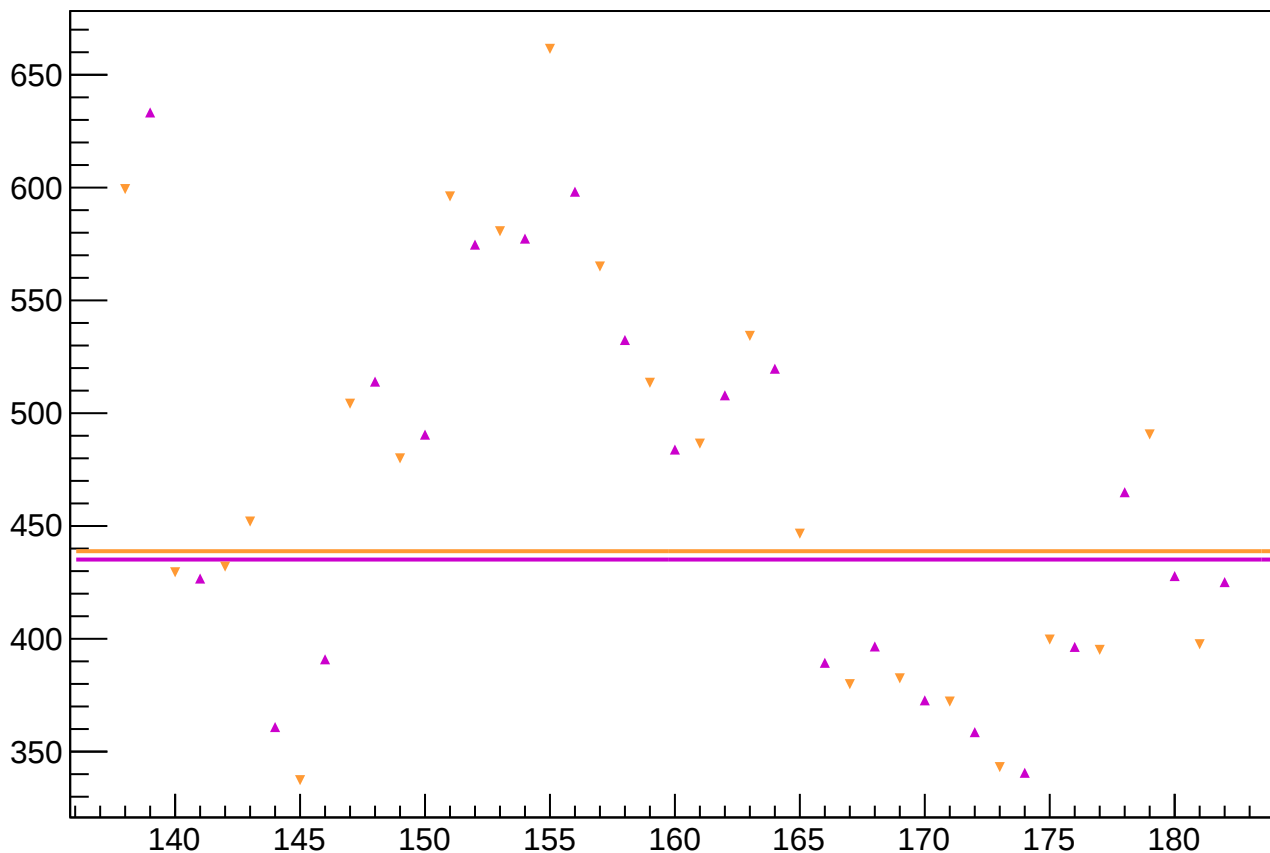
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -98.943+/-106.805 χ^2/NDF : 23.9/21

Out: 542.883+/-107.098 χ^2/NDF : 65.1/22

All: 221.090+/-75.626 χ^2/NDF : 107.0/44

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: 438.831+/-0.076 χ^2/NDF :1150051.9/22

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

Left In: 435.126+/-0.076 χ^2/NDF :1027474.6/21

Left: 436.974+/-0.053 χ^2/NDF : 2178726.2/44

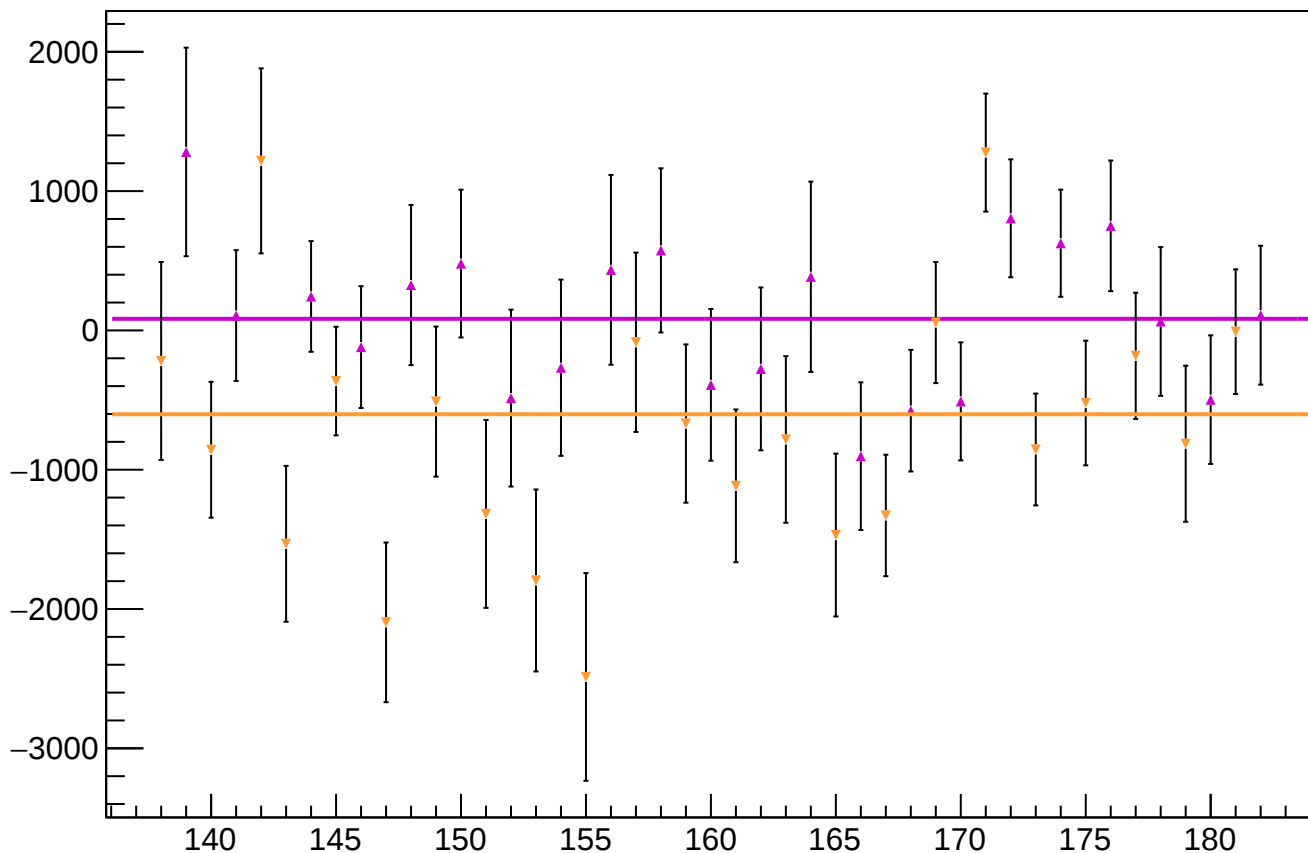
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 435.126+/-0.076 χ^2/NDF :1027474.6/21

Out: 438.831+/-0.076 χ^2/NDF :1150051.9/22

All: 436.974+/-0.053 χ^2/NDF : 2178726.2/44

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -601.914+/-107.837 χ^2/NDF :60.6/22

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

Left In: 83.281+/-107.572 χ^2/NDF :23.3/21

Left: -258.476+/-76.158 χ^2/NDF : 104.2/44

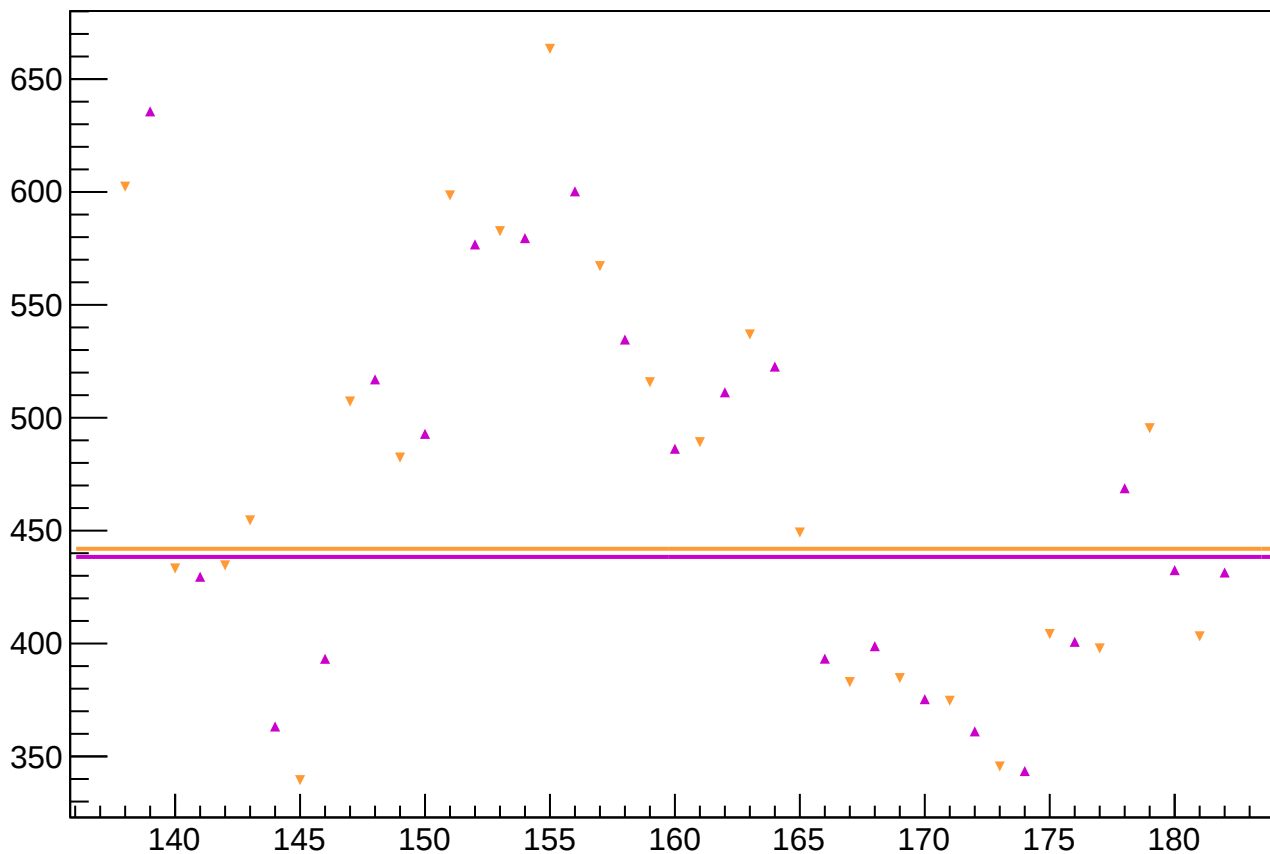
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 83.281+/-107.572 χ^2/NDF :23.3/21

Out: -601.914+/-107.837 χ^2/NDF :60.6/22

All: -258.476+/-76.158 χ^2/NDF : 104.2/44

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 441.966+/-0.076 χ^2/NDF :1134898.3/22

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

Left In: 438.354+/-0.076 χ^2/NDF :1012666.7/21

Left: 440.155+/-0.054 χ^2/NDF : 2148689.4/44

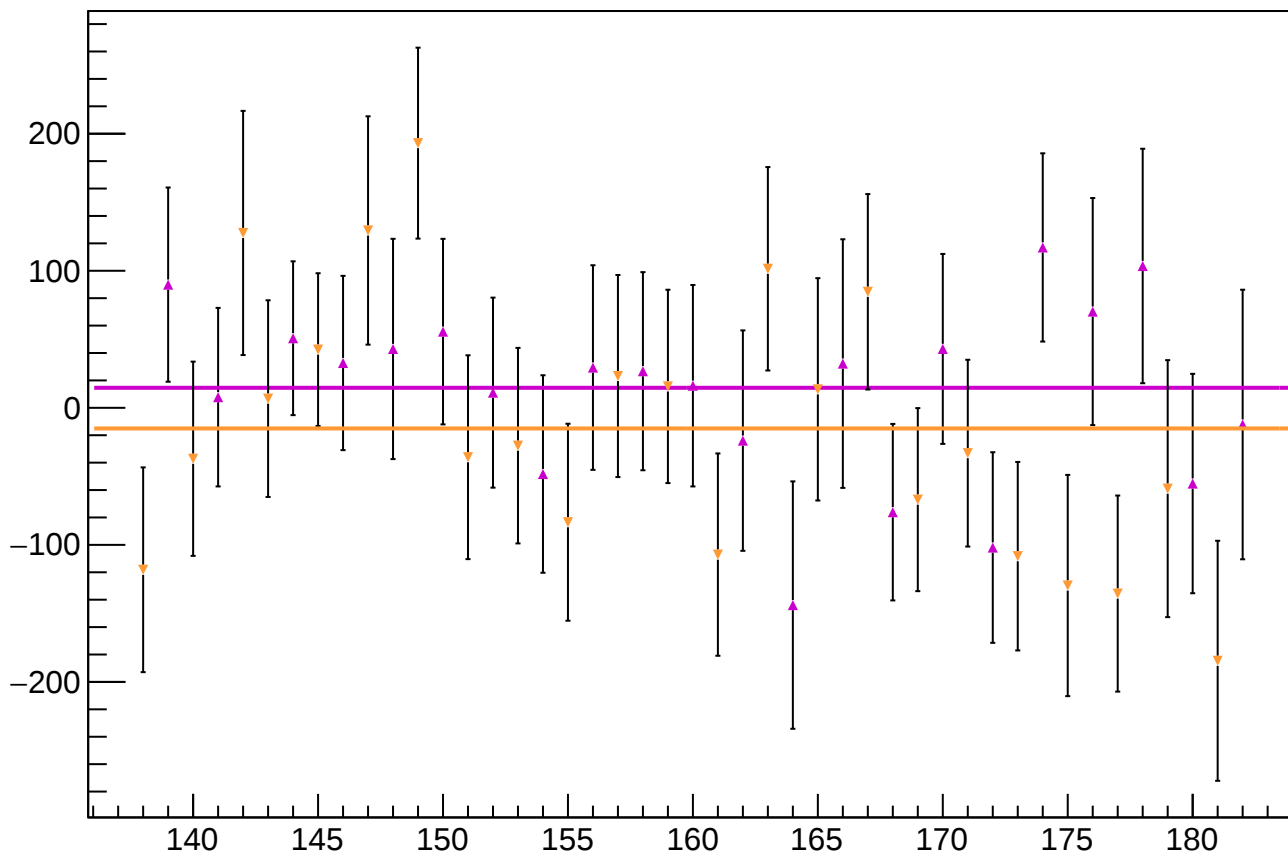
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 438.354+/-0.076 χ^2/NDF :1012666.7/21

Out: 441.966+/-0.076 χ^2/NDF :1134898.3/22

All: 440.155+/-0.054 χ^2/NDF : 2148689.4/44

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -15.051+/-15.277 χ^2/NDF :36.6/22

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

Left In: 14.617+/-15.544 χ^2/NDF :15.9/21

Left: -0.474+/-10.896 χ^2/NDF : 54.3/44

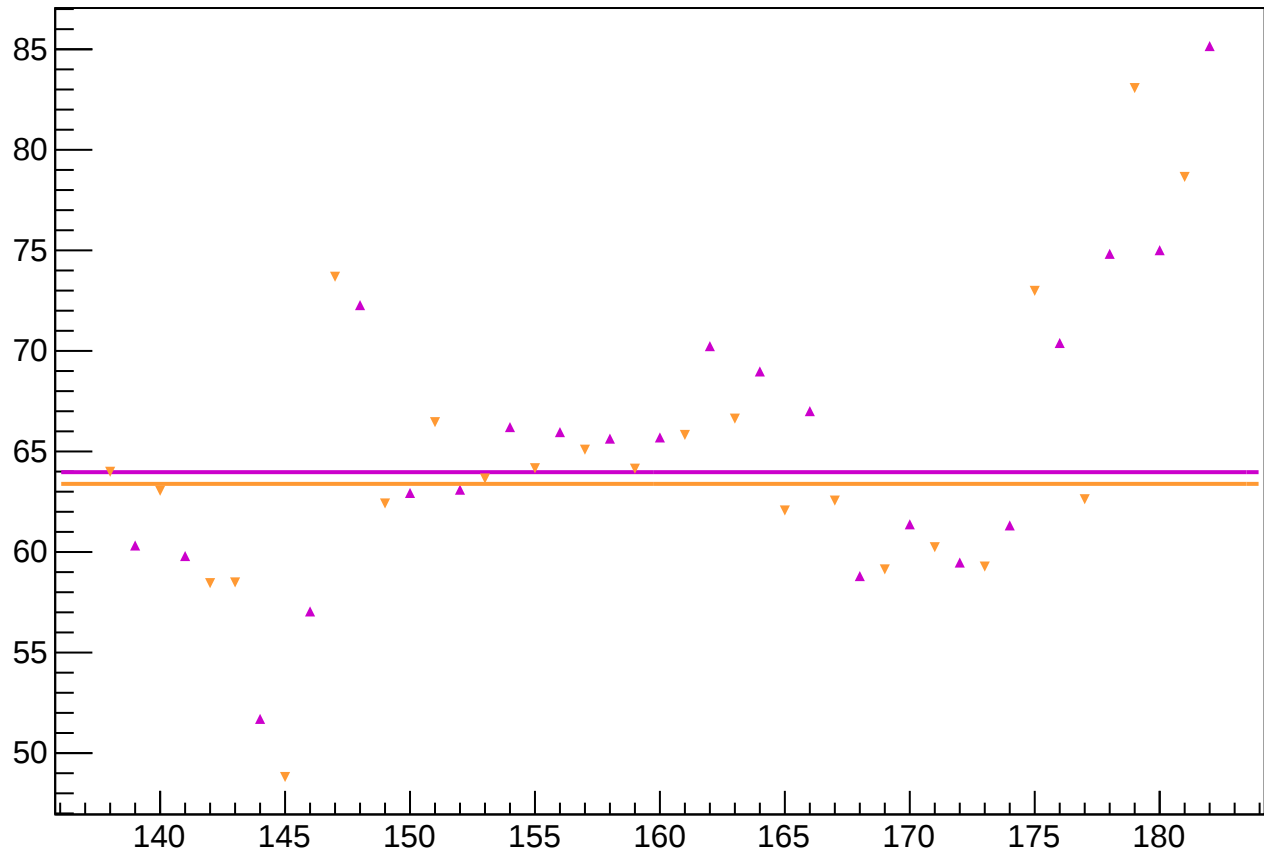
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 14.617+/-15.544 χ^2/NDF :15.9/21

Out: -15.051+/-15.277 χ^2/NDF :36.6/22

All: -0.474+/-10.896 χ^2/NDF : 54.3/44

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 63.388+/-0.011 χ^2/NDF :392161.5/22

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

Left In: 63.970+/-0.011 χ^2/NDF :383167.9/21

Left: 63.674+/-0.008 χ^2/NDF : 776756.1/44

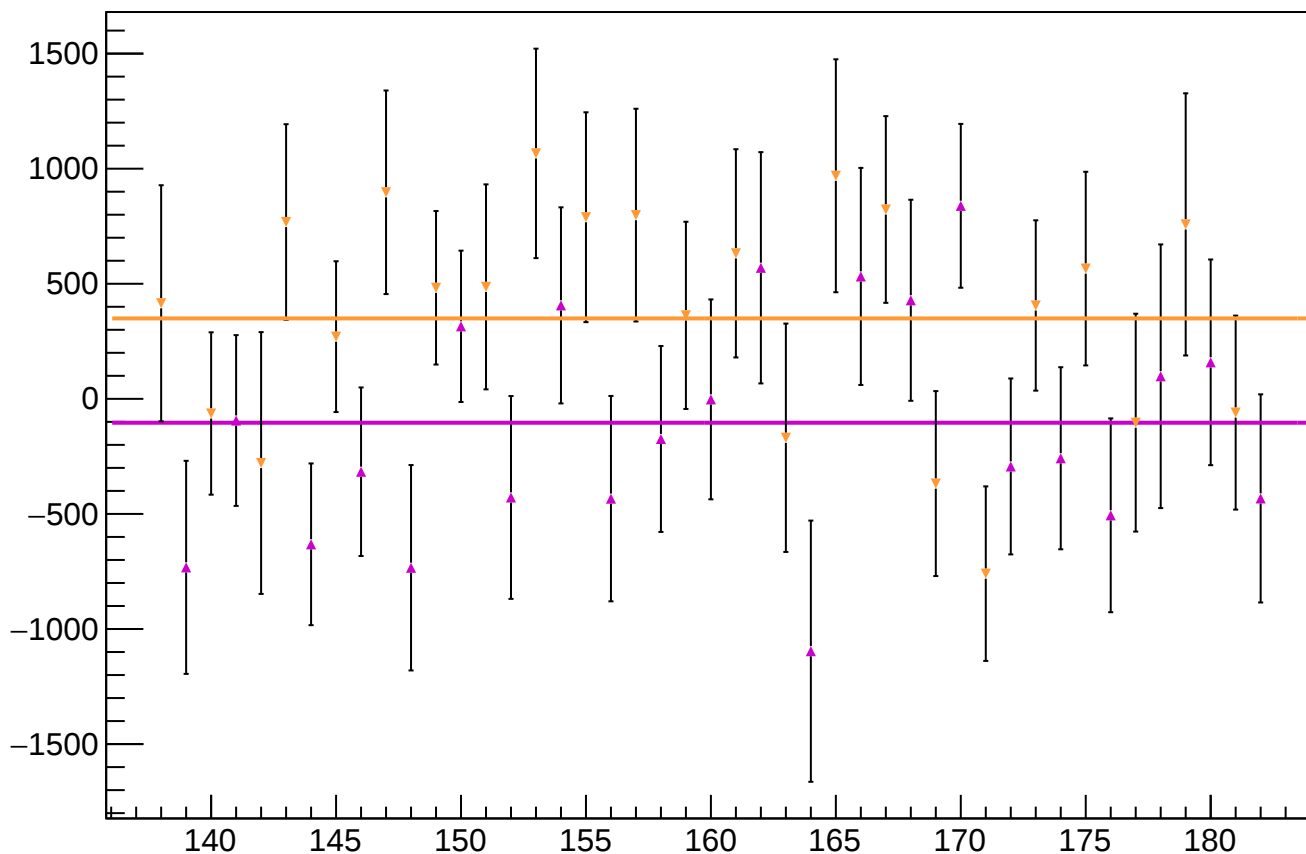
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 63.970+/-0.011 χ^2/NDF :383167.9/21

Out: 63.388+/-0.011 χ^2/NDF :392161.5/22

All: 63.674+/-0.008 χ^2/NDF : 776756.1/44

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: 349.459+/-88.552 χ^2/NDF :28.5/22

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

Left In: -103.746+/-89.295 χ^2/NDF :28.1/21

Left: 124.749+/-62.877 χ^2/NDF : 69.7/44

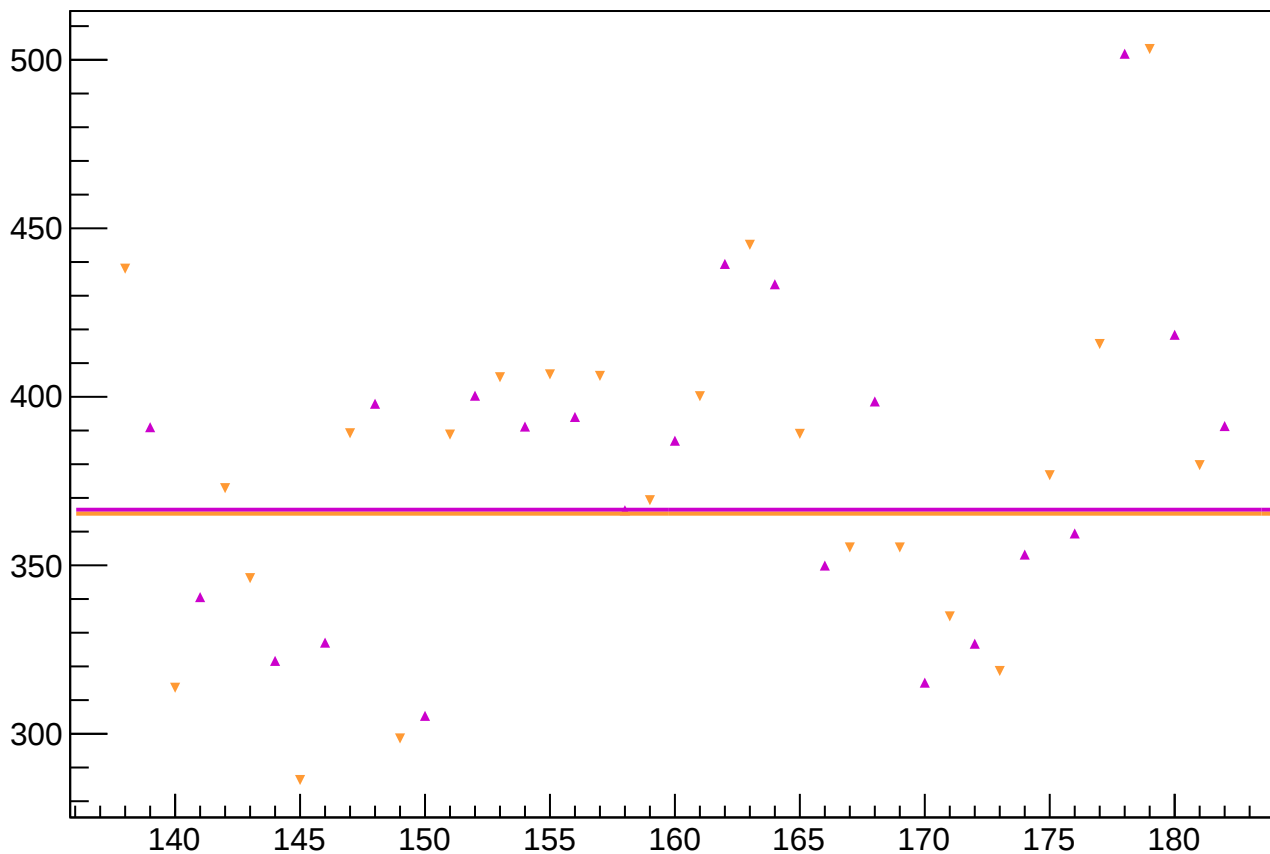
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -103.746+/-89.295 χ^2/NDF :28.1/21

Out: 349.459+/-88.552 χ^2/NDF :28.5/22

All: 124.749+/-62.877 χ^2/NDF : 69.7/44

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: 365.317+/-0.063 χ^2/NDF :602270.5/22

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

Left In: 366.495+/-0.063 χ^2/NDF :474836.4/21

Left: 365.901+/-0.044 χ^2/NDF : 1077282.3/44

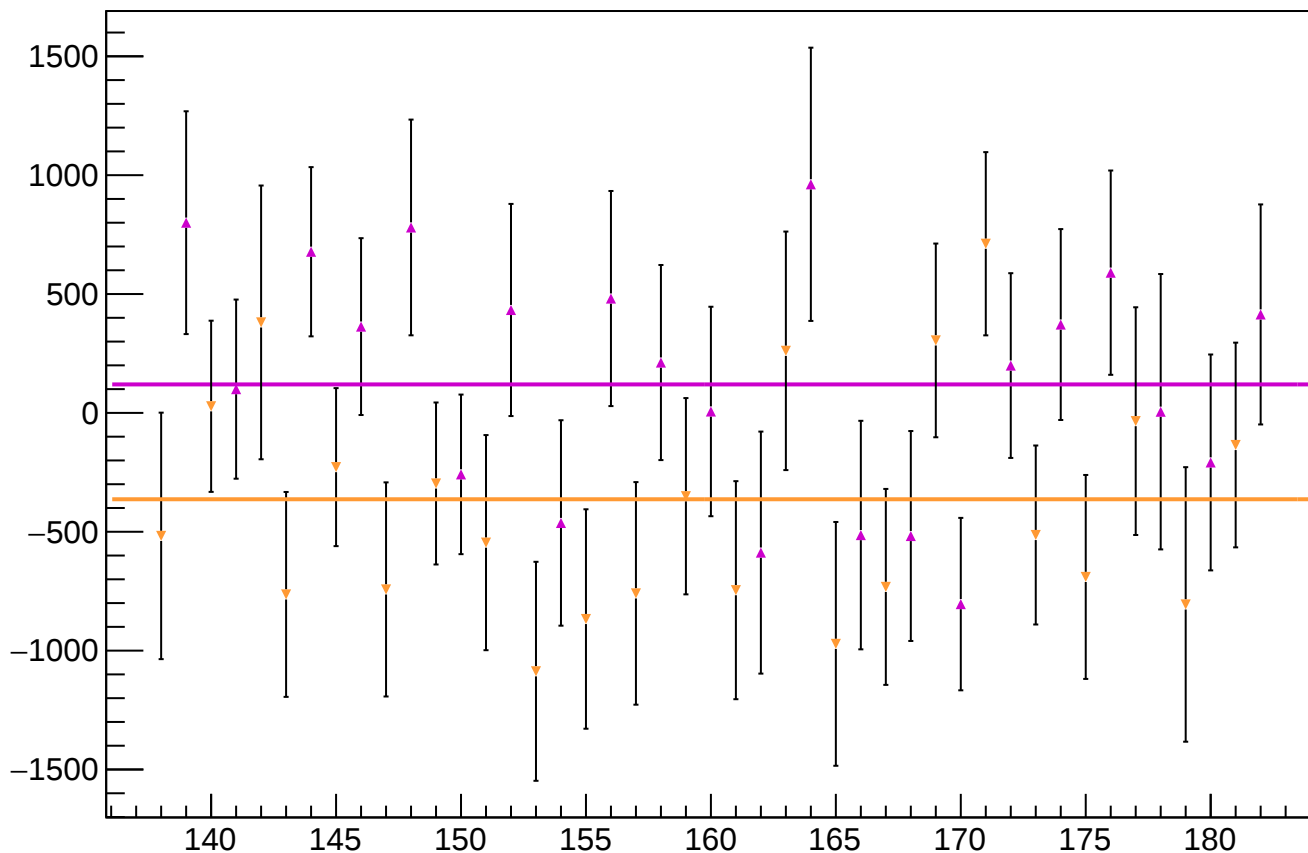
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 366.495+/-0.063 χ^2/NDF :474836.4/21

Out: 365.317+/-0.063 χ^2/NDF :602270.5/22

All: 365.901+/-0.044 χ^2/NDF : 1077282.3/44

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -363.260+/-89.955 χ^2/NDF :26.3/22

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

Left In: 119.821+/-90.722 χ^2/NDF :28.4/21

Left: -123.769+/-63.877 χ^2/NDF : 69.0/44

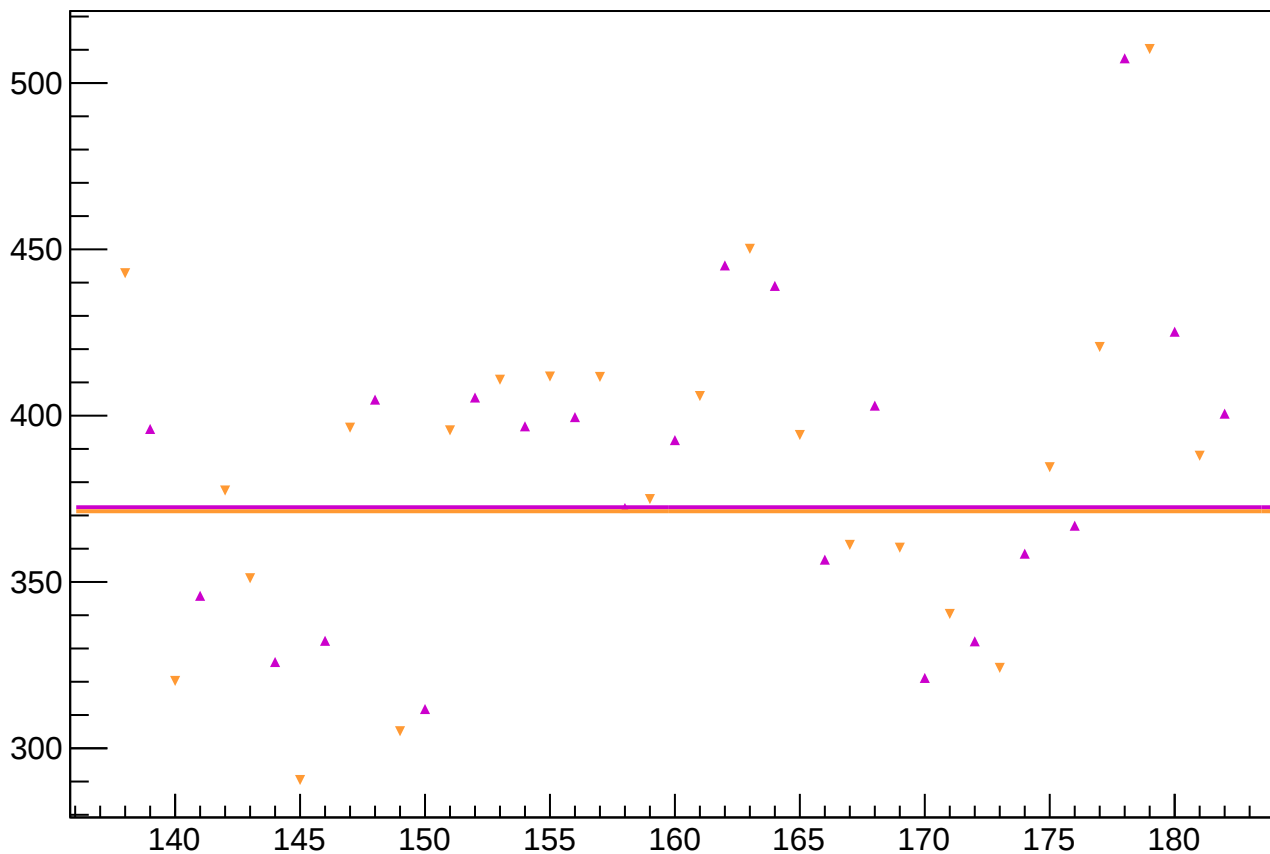
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 119.821+/-90.722 χ^2/NDF :28.4/21

Out: -363.260+/-89.955 χ^2/NDF :26.3/22

All: -123.769+/-63.877 χ^2/NDF : 69.0/44

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 371.261+/-0.064 χ^2/NDF :587329.9/22

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

Left In: 372.458+/-0.064 χ^2/NDF :463353.6/21

Left: 371.855+/-0.045 χ^2/NDF : 1050859.0/44

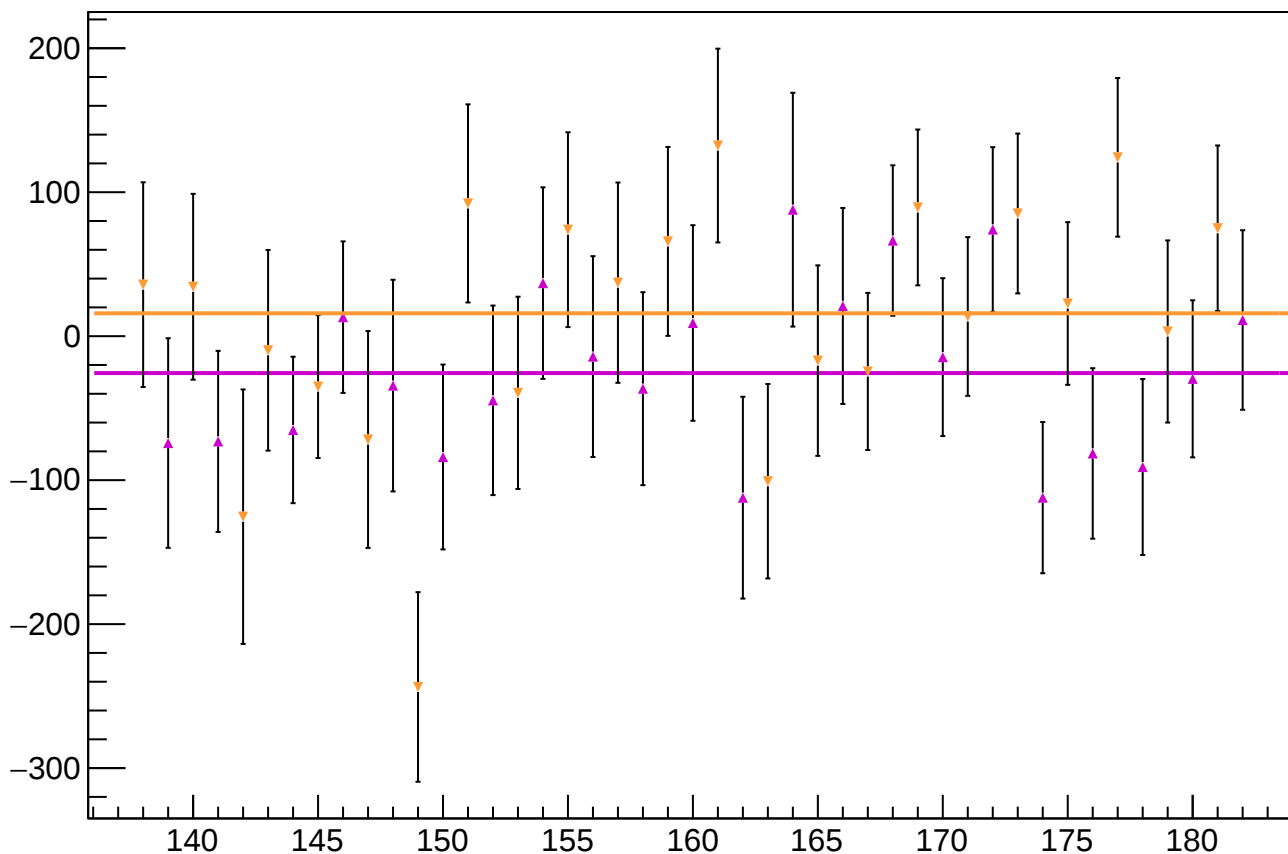
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 372.458+/-0.064 χ^2/NDF :463353.6/21

Out: 371.261+/-0.064 χ^2/NDF :587329.9/22

All: 371.855+/-0.045 χ^2/NDF : 1050859.0/44

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 15.888+/-13.049 χ^2/NDF :39.3/22

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

Left In: -25.624+/-13.126 χ^2/NDF :19.5/21

Left: -4.746+/-9.254 χ^2/NDF : 63.8/44

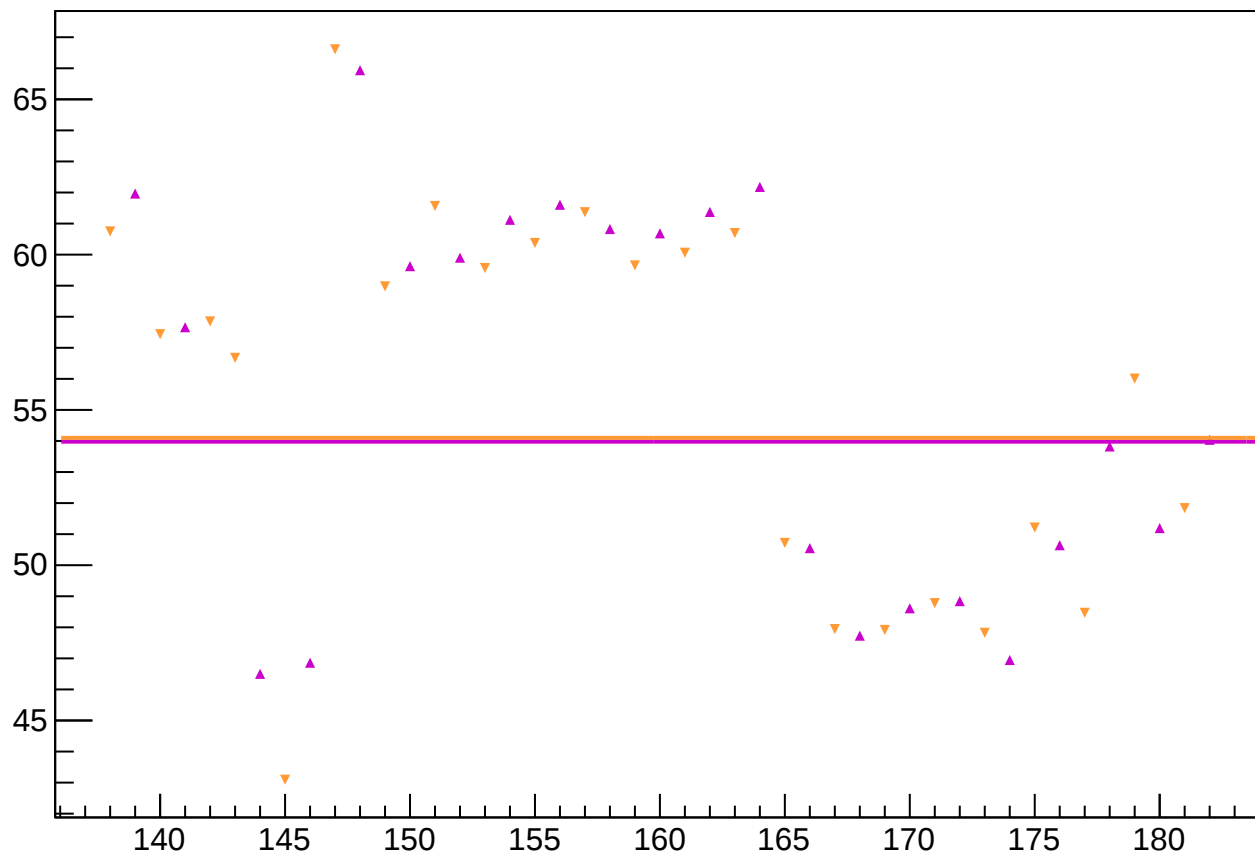
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -25.624+/-13.126 χ^2/NDF :19.5/21

Out: 15.888+/-13.049 χ^2/NDF :39.3/22

All: -4.746+/-9.254 χ^2/NDF : 63.8/44

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 54.101+/-0.009 χ^2/NDF :450897.2/22

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

Left In: 53.978+/-0.009 χ^2/NDF :441847.8/21

Left: 54.040+/-0.007 χ^2/NDF : 892833.9/44

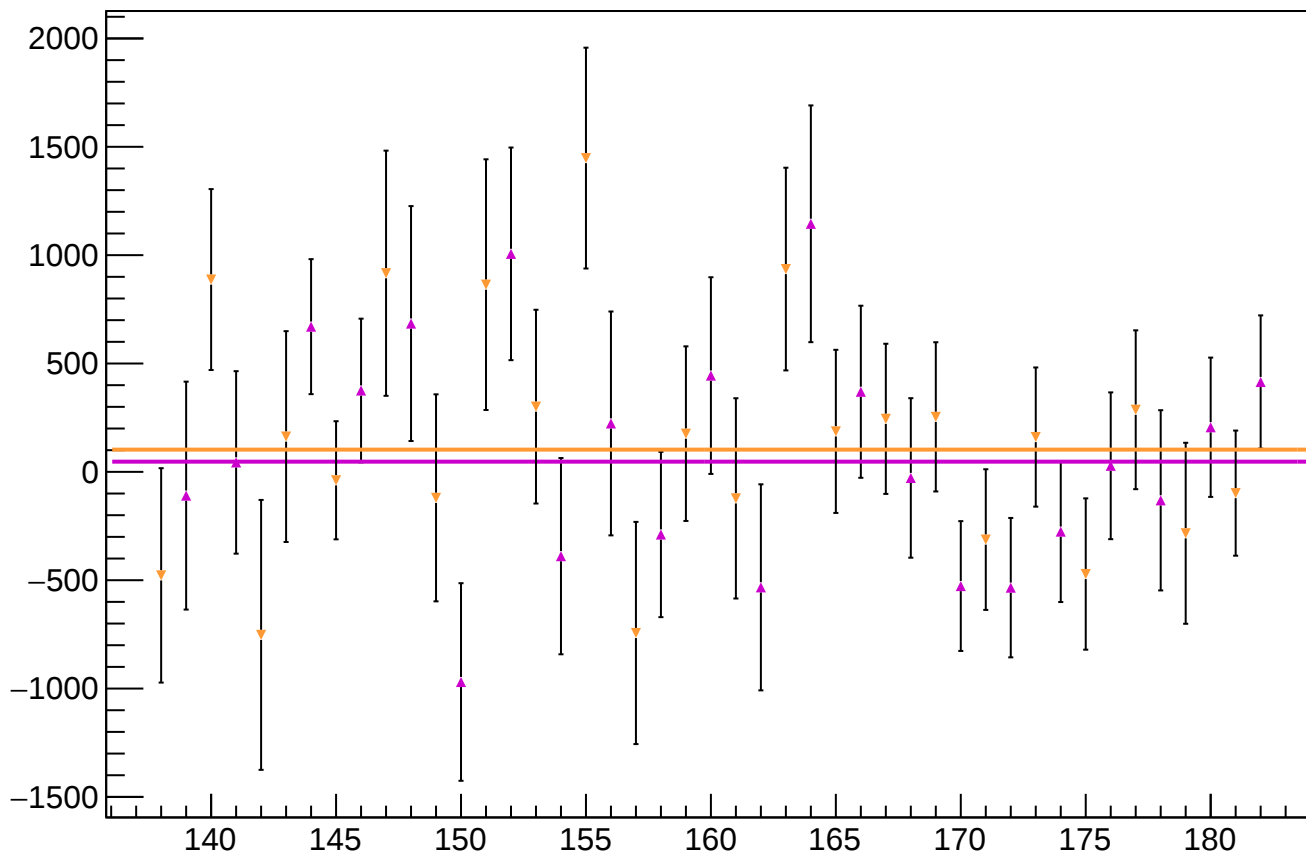
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 53.978+/-0.009 χ^2/NDF :441847.8/21

Out: 54.101+/-0.009 χ^2/NDF :450897.2/22

All: 54.040+/-0.007 χ^2/NDF : 892833.9/44

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: 102.603+/-83.024 χ^2/NDF :30.8/22

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

Left In: 47.063+/-82.216 χ^2/NDF :33.9/21

Left: 74.562+/-58.419 χ^2/NDF : 64.9/44

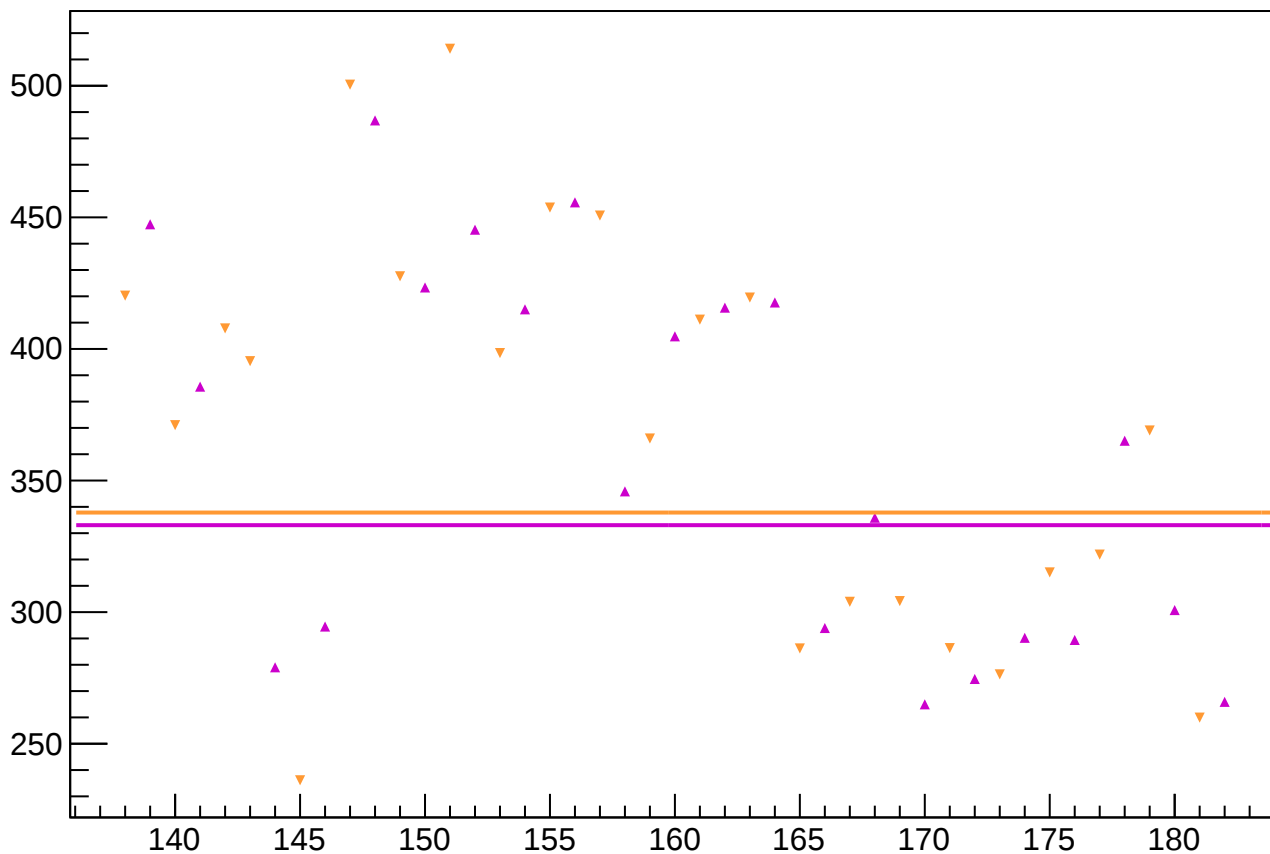
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.063+/-82.216 χ^2/NDF :33.9/21

Out: 102.603+/-83.024 χ^2/NDF :30.8/22

All: 74.562+/-58.419 χ^2/NDF : 64.9/44

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: 337.841+/-0.059 χ^2/NDF :1548523.8/22

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

Left In: 333.043+/-0.058 χ^2/NDF :1280339.0/21

Left: 335.418+/-0.041 χ^2/NDF : 2832235.8/44

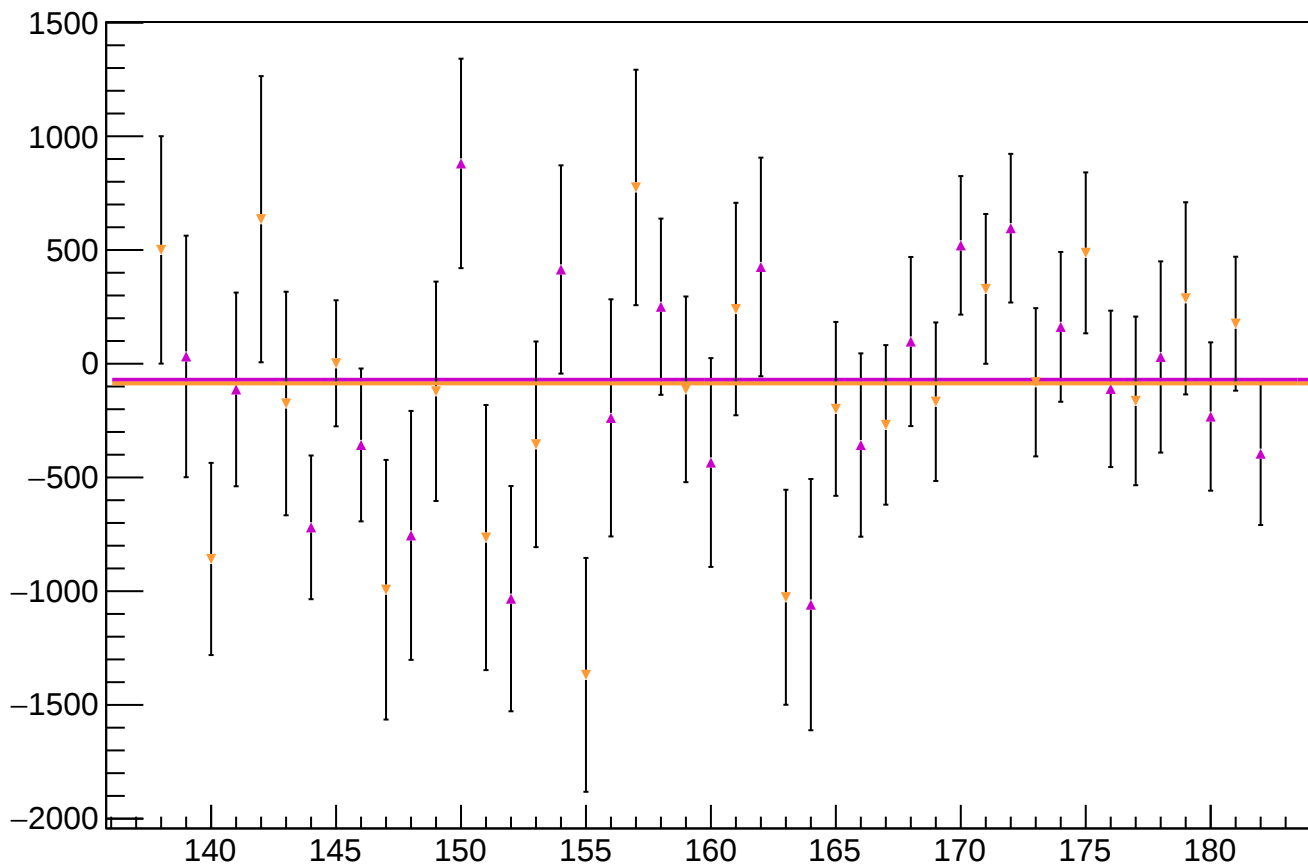
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 333.043+/-0.058 χ^2/NDF :1280339.0/21

Out: 337.841+/-0.059 χ^2/NDF :1548523.8/22

All: 335.418+/-0.041 χ^2/NDF : 2832235.8/44

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -86.422+/-84.116 χ^2/NDF :30.1/22

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

Left In: -70.549+/-83.332 χ^2/NDF :31.9/21

Left: -78.411+/-59.200 χ^2/NDF : 62.0/44

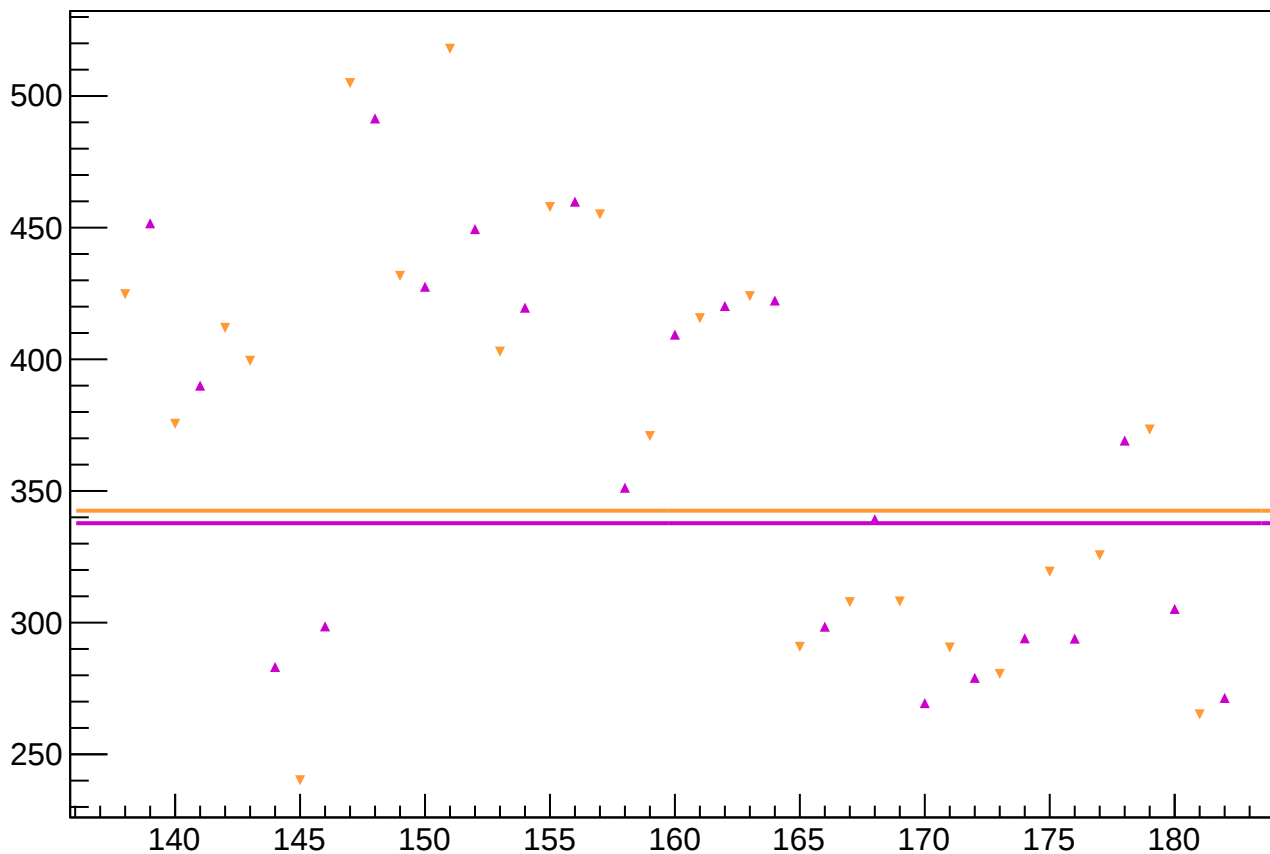
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -70.549+/-83.332 χ^2/NDF :31.9/21

Out: -86.422+/-84.116 χ^2/NDF :30.1/22

All: -78.411+/-59.200 χ^2/NDF : 62.0/44

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 342.517 $\pm$ 0.059 χ^2/NDF :1510458.2/22

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

Left In: 337.767 $\pm$ 0.059 χ^2/NDF :1248079.7/21

Left: 340.120 $\pm$ 0.042 χ^2/NDF : 2761756.9/44

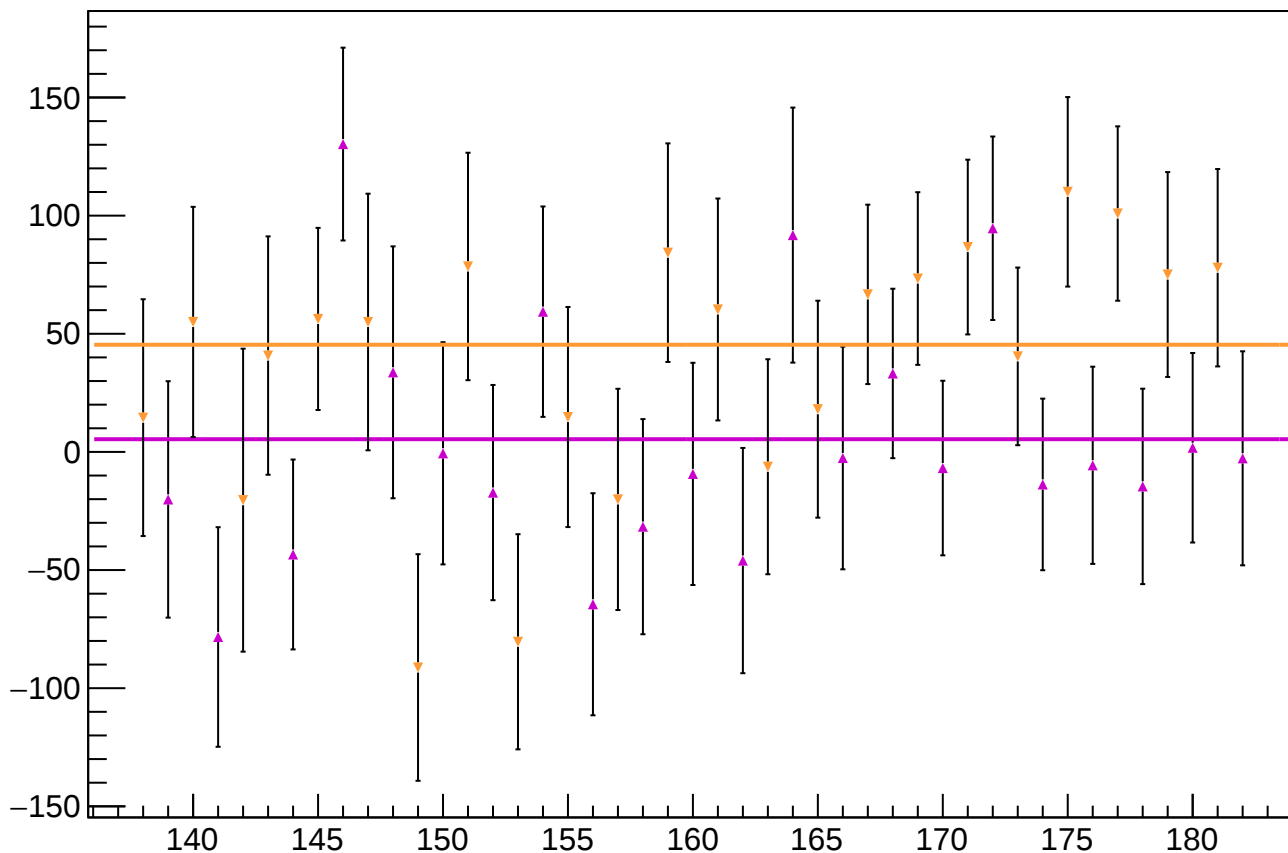
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 337.767 $\pm$ 0.059 χ^2/NDF :1248079.7/21

Out: 342.517 $\pm$ 0.059 χ^2/NDF :1510458.2/22

All: 340.120 $\pm$ 0.042 χ^2/NDF : 2761756.9/44

reg_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: 45.359 $\pm$ 9.146 χ^2 /NDF:30.8/22

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

Left In: 5.381 $\pm$ 9.247 χ^2 /NDF:29.7/21

Left: 25.590 $\pm$ 6.502 χ^2 /NDF: 69.9/44

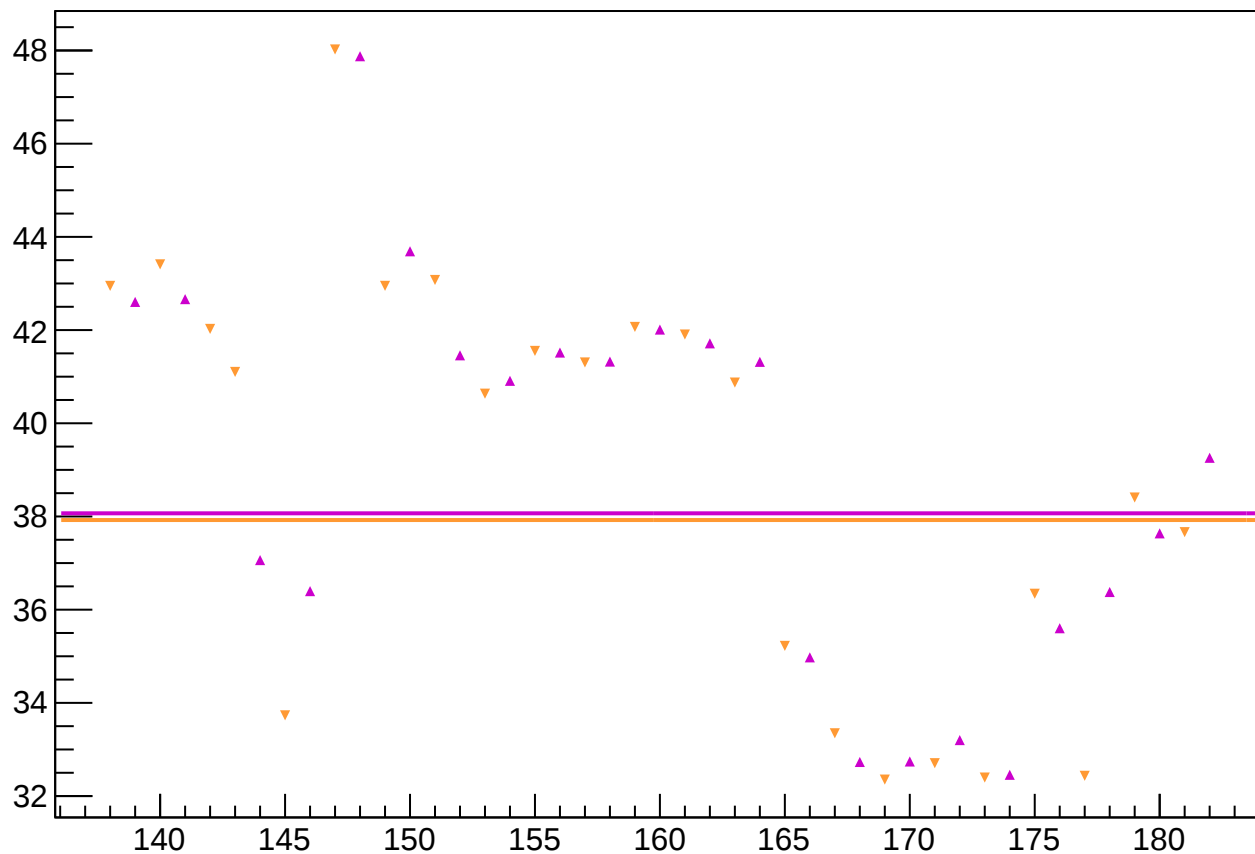
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 5.381 $\pm$ 9.247 χ^2 /NDF:29.7/21

Out: 45.359 $\pm$ 9.146 χ^2 /NDF:30.8/22

All: 25.590 $\pm$ 6.502 χ^2 /NDF: 69.9/44

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 37.924+/-0.006 χ^2/NDF :480999.4/22

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

Left In: 38.068+/-0.007 χ^2/NDF :395771.4/21

Left: 37.995+/-0.005 χ^2/NDF : 877017.0/44

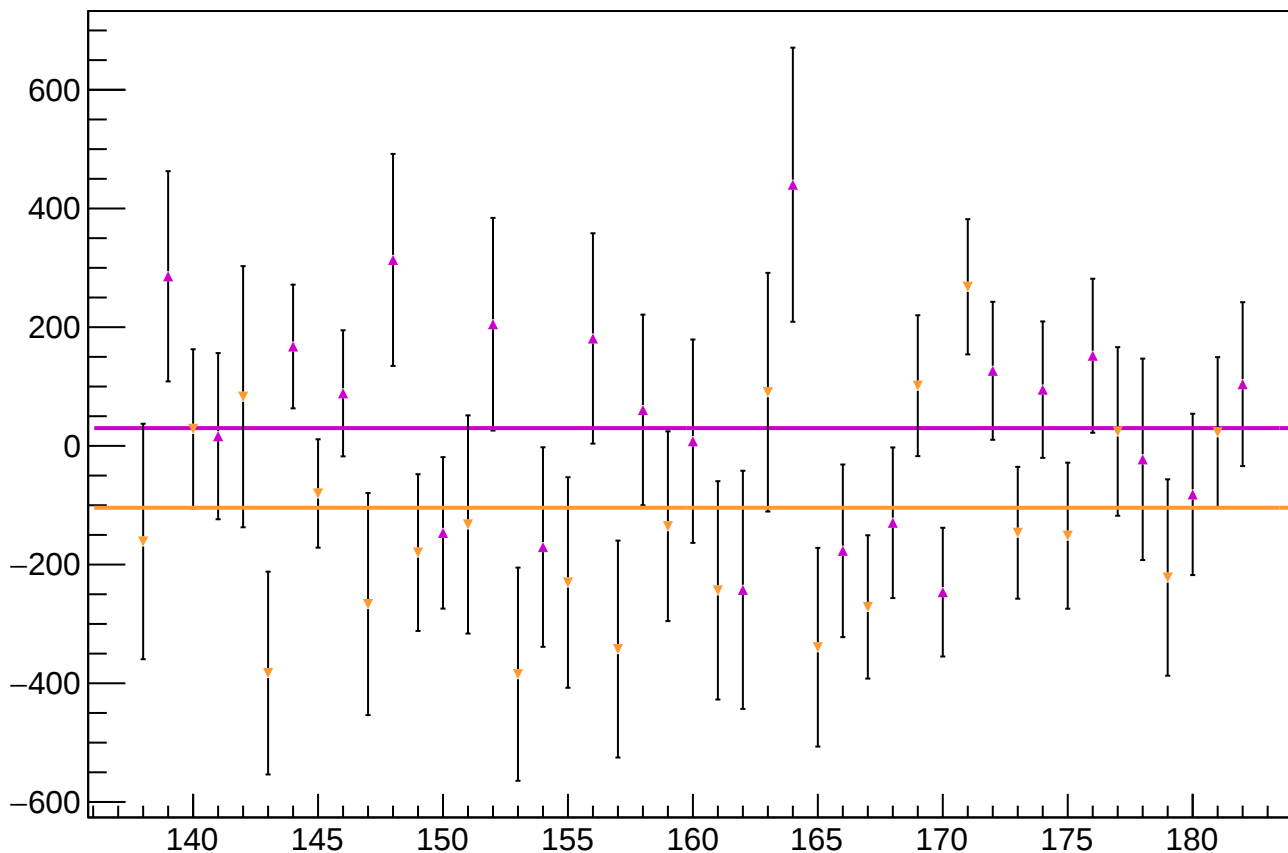
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 38.068+/-0.007 χ^2/NDF :395771.4/21

Out: 37.924+/-0.006 χ^2/NDF :480999.4/22

All: 37.995+/-0.005 χ^2/NDF : 877017.0/44

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: -104.261+/-30.075 χ^2/NDF :32.0/22

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

Left In: 29.957+/-29.936 χ^2/NDF :29.8/21

Left: -36.841+/-21.217 χ^2/NDF : 71.8/44

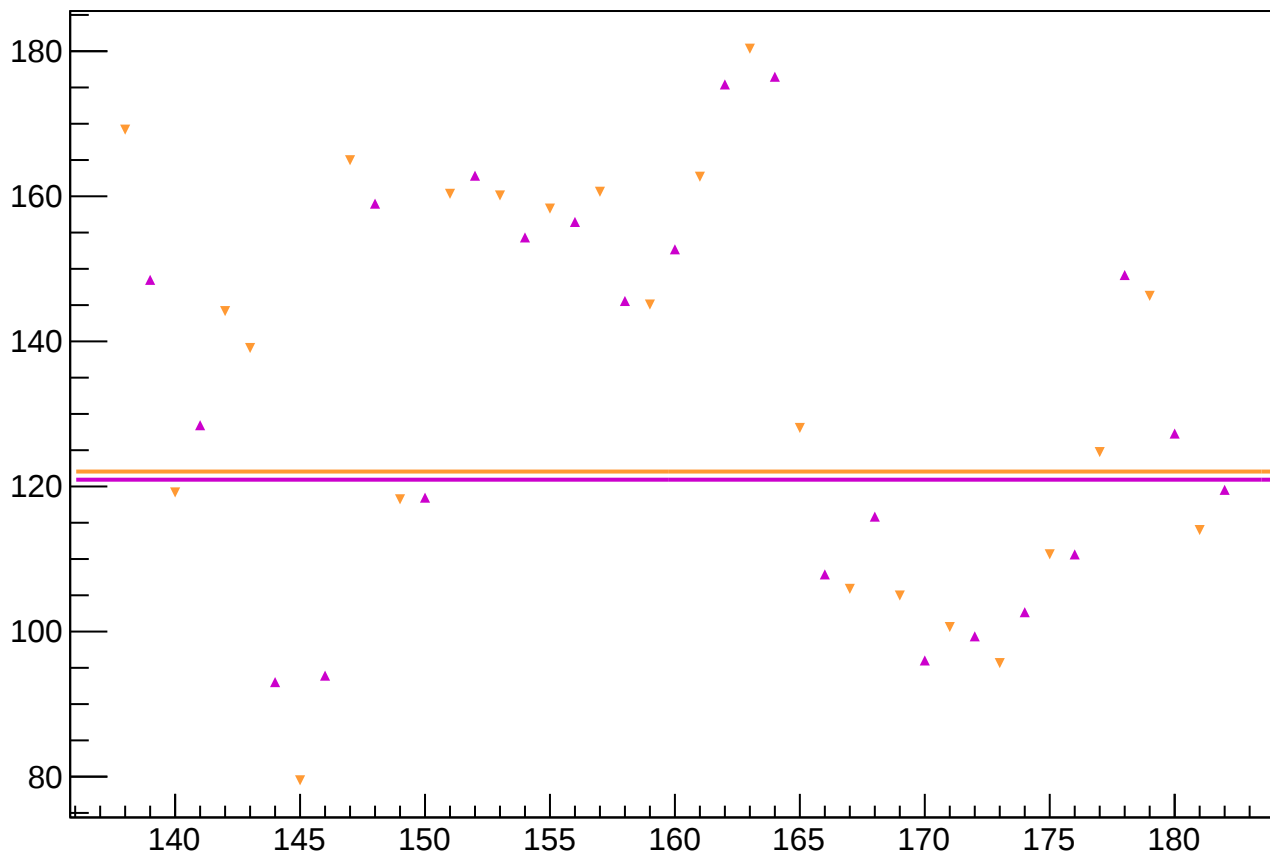
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 29.957+/-29.936 χ^2/NDF :29.8/21

Out: -104.261+/-30.075 χ^2/NDF :32.0/22

All: -36.841+/-21.217 χ^2/NDF : 71.8/44

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: 122.057+/-0.021 χ^2/NDF :1684395.7/22

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

Left In: 120.935+/-0.021 χ^2/NDF :1382853.3/21

Left: 121.493+/-0.015 χ^2/NDF : 3068648.8/44

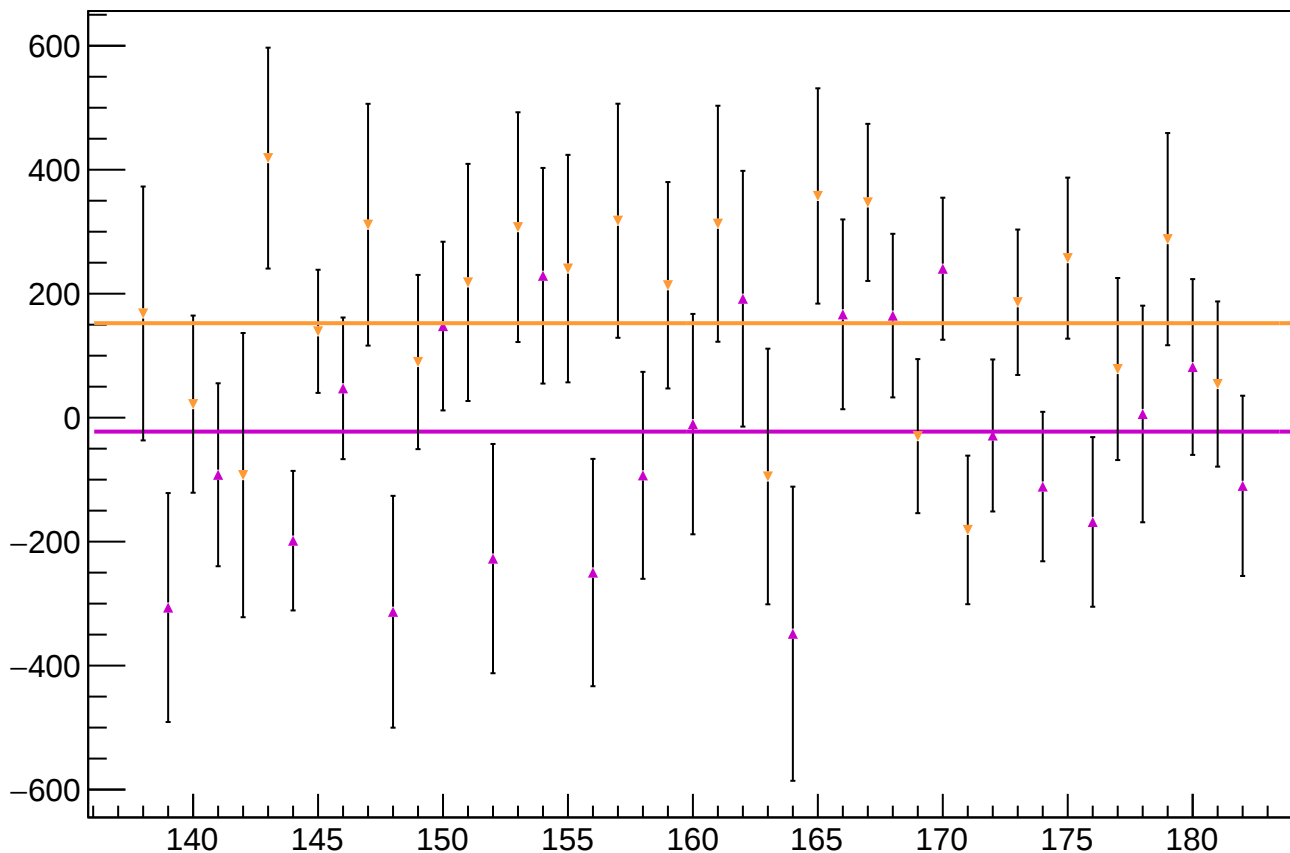
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 120.935+/-0.021 χ^2/NDF :1382853.3/21

Out: 122.057+/-0.021 χ^2/NDF :1684395.7/22

All: 121.493+/-0.015 χ^2/NDF : 3068648.8/44

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: 152.424 $\pm$ 31.599 χ^2 /NDF:25.0/22

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

Left In: -22.499 $\pm$ 31.482 χ^2 /NDF:28.8/21

Left: 64.639 $\pm$ 22.302 χ^2 /NDF: 69.2/44

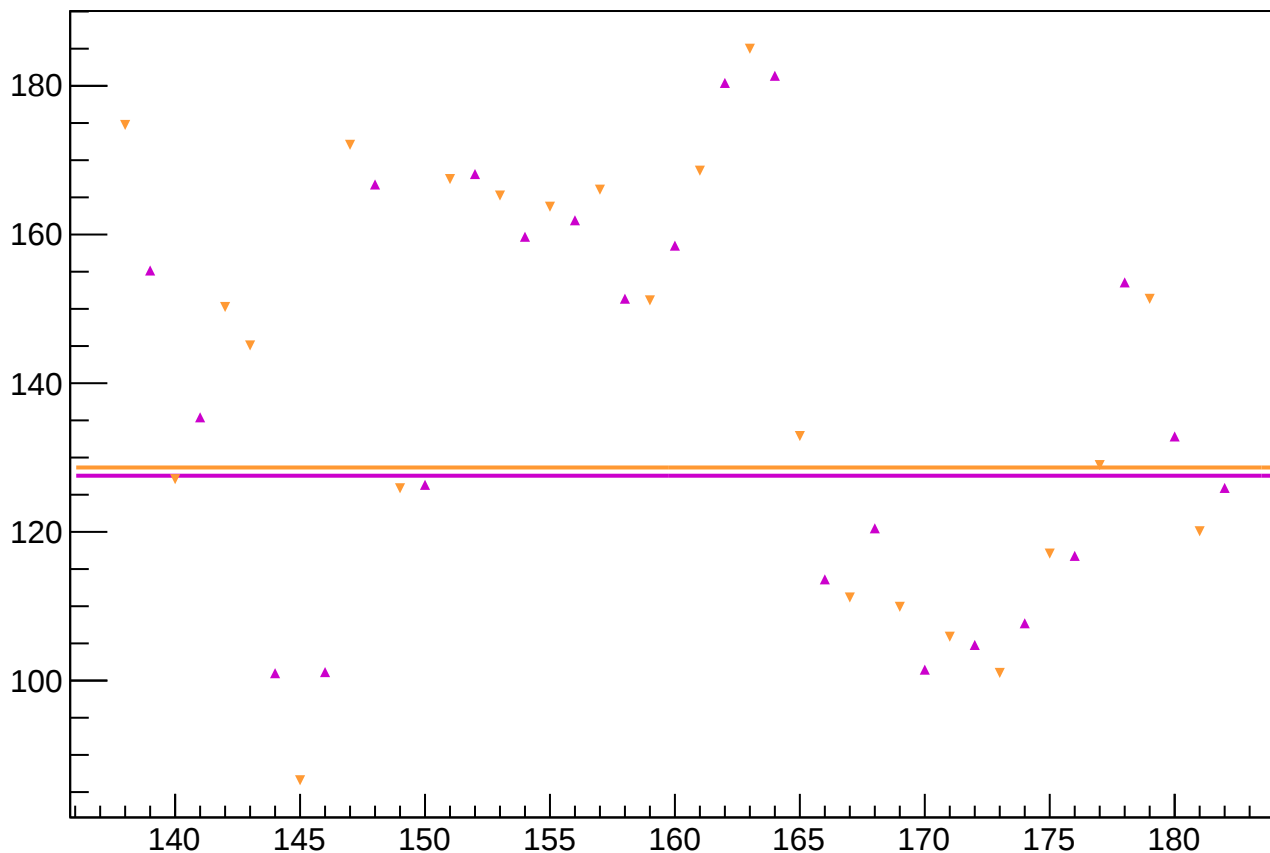
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -22.499 $\pm$ 31.482 χ^2 /NDF:28.8/21

Out: 152.424 $\pm$ 31.599 χ^2 /NDF:25.0/22

All: 64.639 $\pm$ 22.302 χ^2 /NDF: 69.2/44

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 128.663+/-0.022 χ^2/NDF :1507474.9/22

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

Left In: 127.557+/-0.022 χ^2/NDF :1235686.2/21

Left: 128.108+/-0.016 χ^2/NDF : 2744392.8/44

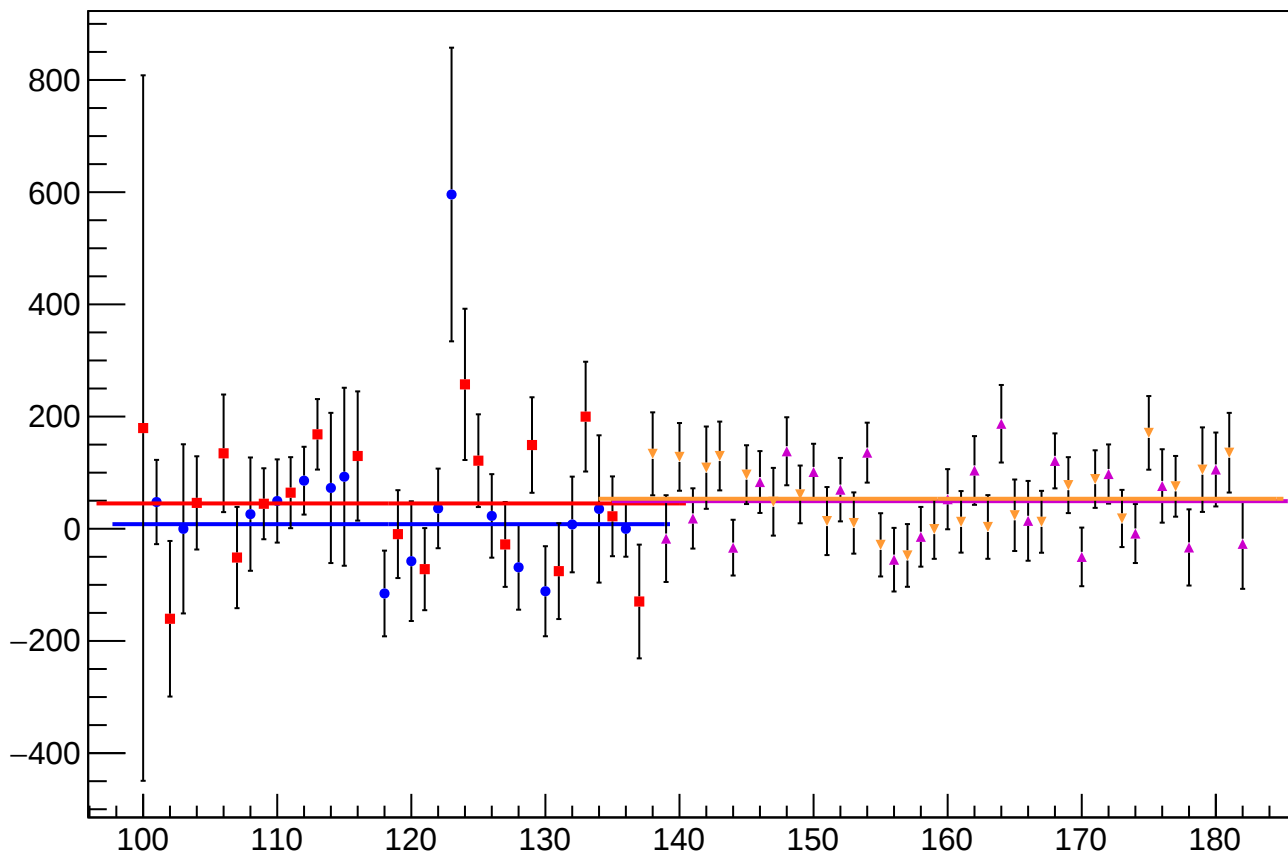
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 127.557+/-0.022 χ^2/NDF :1235686.2/21

Out: 128.663+/-0.022 χ^2/NDF :1507474.9/22

All: 128.108+/-0.016 χ^2/NDF : 2744392.8/44

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 8.177 ± 20.186 $\chi^2/\text{NDF}: 14.3/16$

Left Out: 53.457 ± 12.079 $\chi^2/\text{NDF}: 21.5/22$

Right Out: 45.139 ± 19.459 $\chi^2/\text{NDF}: 25.0/18$

Left In: 49.181 ± 12.305 $\chi^2/\text{NDF}: 31.1/21$

Left: 51.359 ± 8.620 $\chi^2/\text{NDF}: 52.7/44$

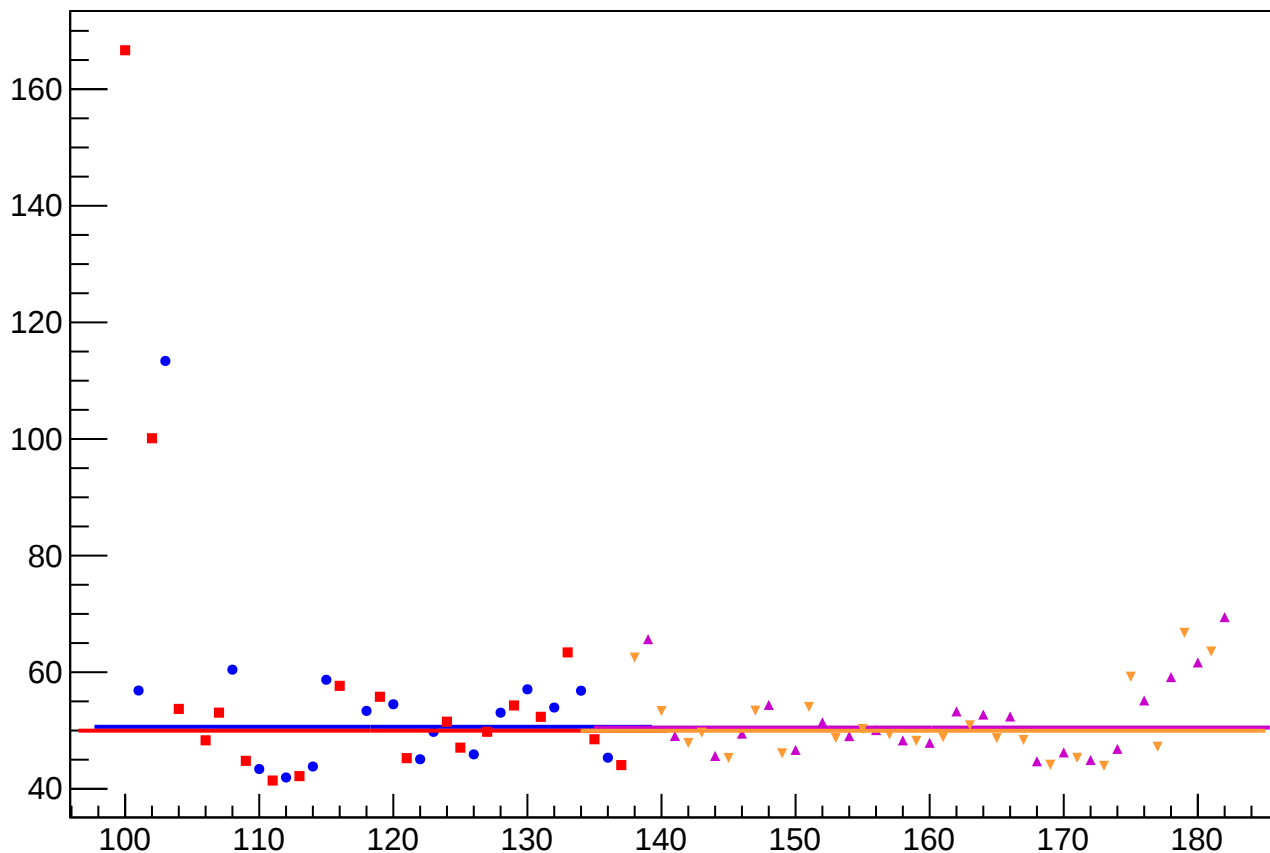
Right: 27.335 ± 14.009 $\chi^2/\text{NDF}: 41.0/35$

In: 38.072 ± 10.507 $\chi^2/\text{NDF}: 48.5/38$

Out: 51.143 ± 10.262 $\chi^2/\text{NDF}: 46.6/41$

All: 44.761 ± 7.342 $\chi^2/\text{NDF}: 95.9/80$

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.637 $\pm$ 0.014 χ^2 /NDF: 520284.7/16

Left Out: 49.964 $\pm$ 0.009 χ^2 /NDF: 404846.8/22

Right Out: 49.978 $\pm$ 0.014 χ^2 /NDF: 500945.1/18

Left In: 50.507 $\pm$ 0.009 χ^2 /NDF: 420671.4/21

Left: 50.231 $\pm$ 0.006 χ^2 /NDF: 827503.1/44

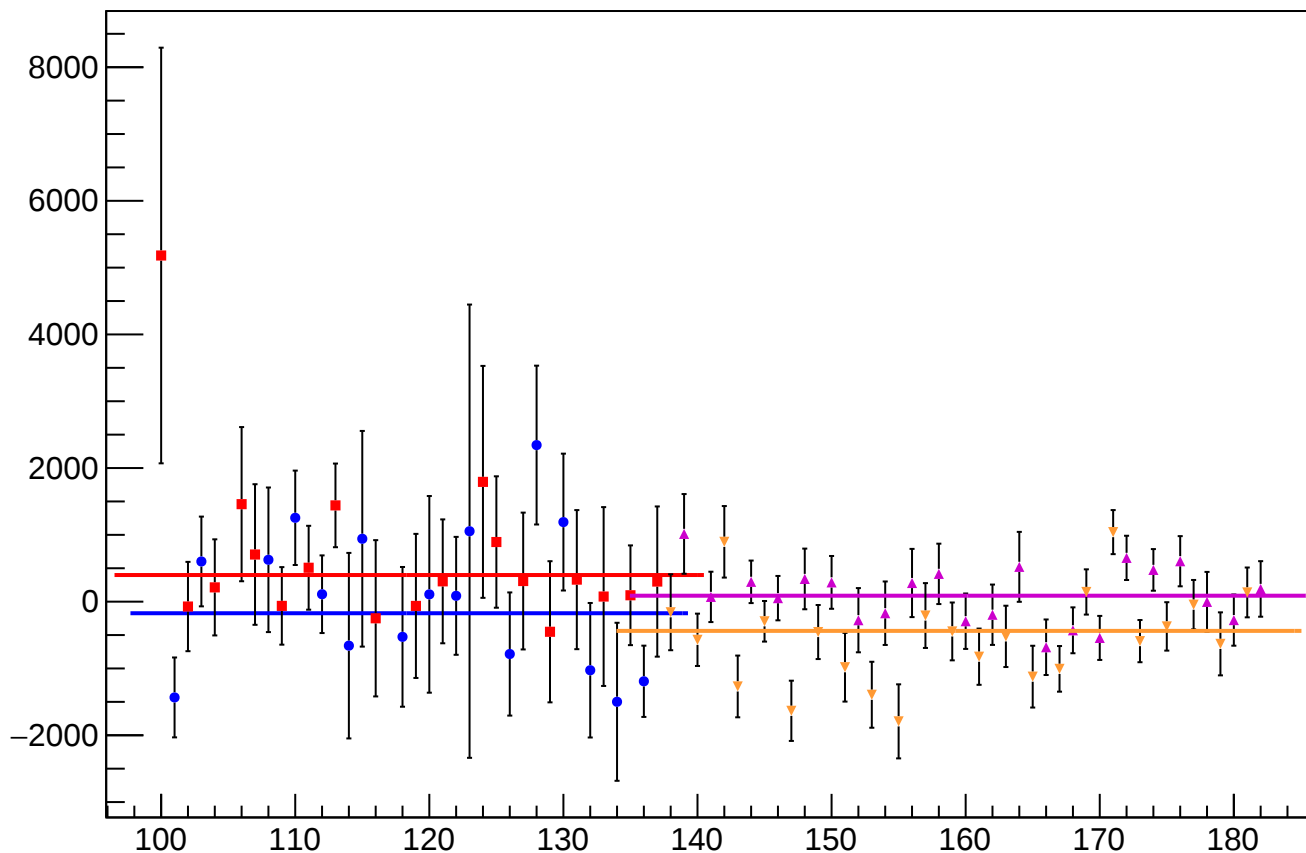
Right: 50.295 $\pm$ 0.010 χ^2 /NDF: 1022337.4/35

In: 50.543 $\pm$ 0.007 χ^2 /NDF: 941016.8/38

Out: 49.968 $\pm$ 0.007 χ^2 /NDF: 905792.7/41

All: 50.248 $\pm$ 0.005 χ^2 /NDF: 1849871.6/80

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -173.371 $\pm$ 210.671 χ^2 /NDF: 23.9/16

Left Out: -437.583 $\pm$ 84.955 χ^2 /NDF:61.0/22

Right Out: 398.617 $\pm$ 204.042 χ^2 /NDF: 9.6/18

Left In: 89.078 $\pm$ 84.688 χ^2 /NDF:23.6/21

Left: -173.425 $\pm$ 59.978 χ^2 /NDF: 103.9/44

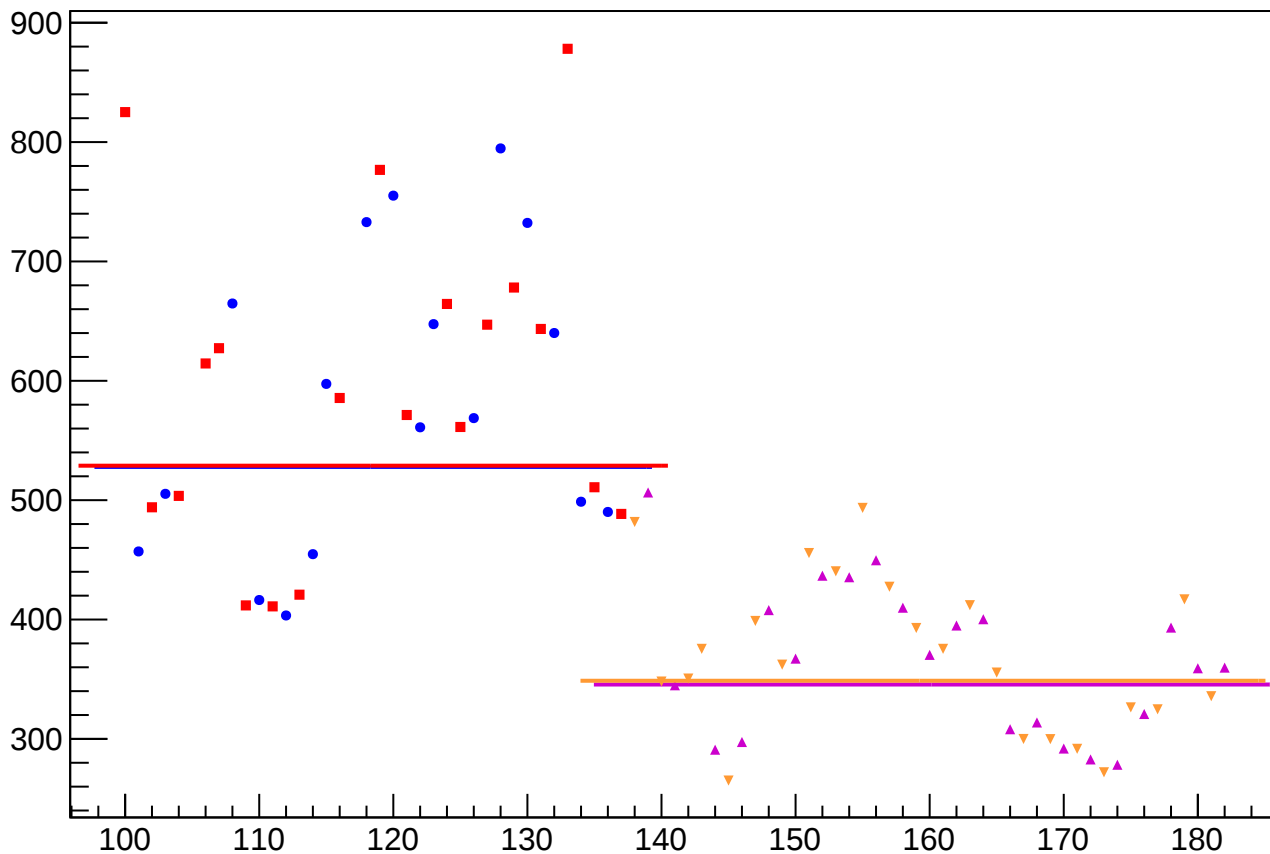
Right: 121.764 $\pm$ 146.567 χ^2 /NDF: 37.3/35

In: 52.567 $\pm$ 78.577 χ^2 /NDF:48.9/38

Out: -314.040 $\pm$ 78.428 χ^2 /NDF:84.9/41

All: -131.084 $\pm$ 55.510 χ^2 /NDF: 144.7/80

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.871+/-0.149 χ^2/NDF : 563444.4/16

Left Out: 348.707+/-0.060 χ^2/NDF : 1027229.5/22

Right Out: 528.886+/-0.144 χ^2/NDF : 625551.4/18

Left In: 345.554+/-0.060 χ^2/NDF : 897768.5/21

Left: 347.126+/-0.042 χ^2/NDF : 1926379.9/44

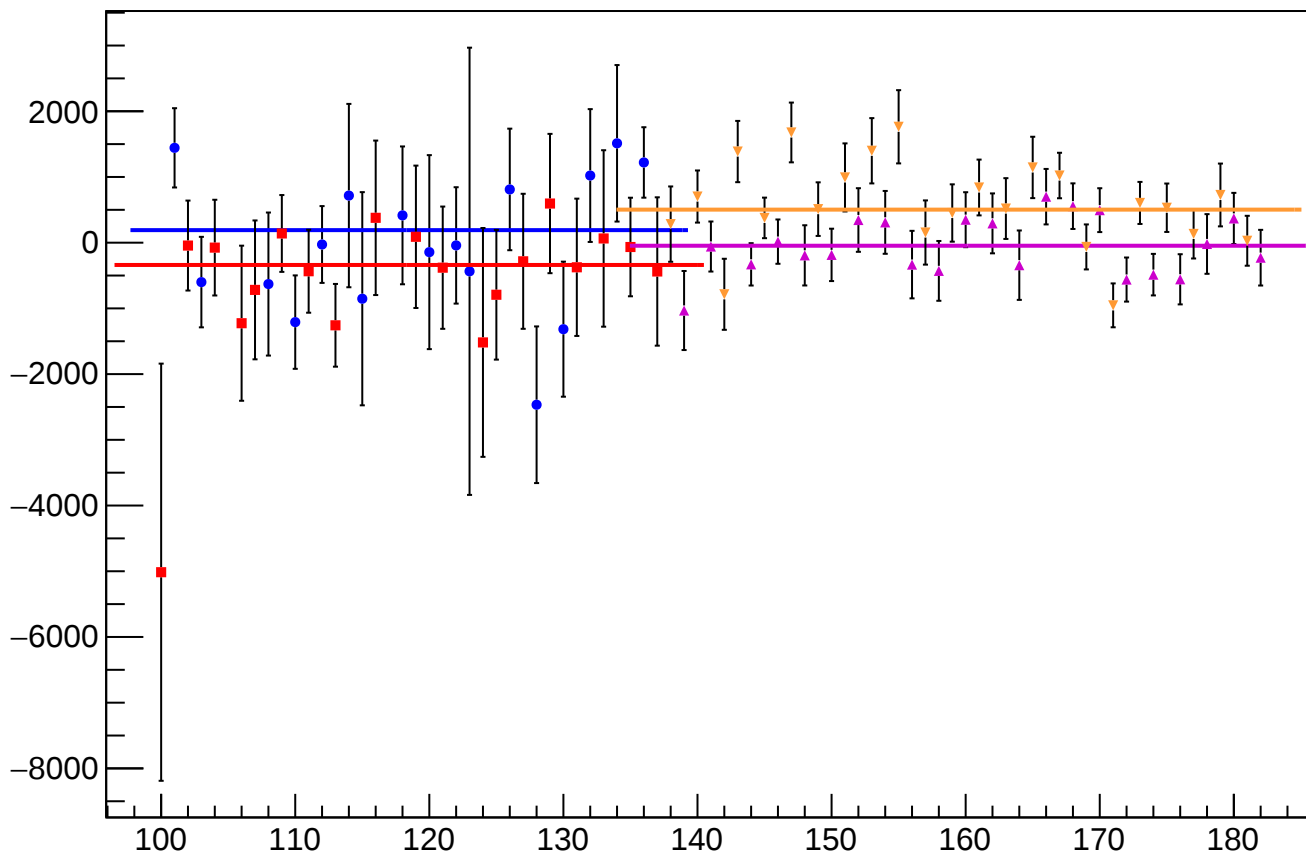
Right: 528.395+/-0.104 χ^2/NDF : 1189019.8/35

In: 370.917+/-0.056 χ^2/NDF : 2750701.7/38

Out: 375.328+/-0.055 χ^2/NDF : 2981923.3/41

All: 373.127+/-0.039 χ^2/NDF : 5735780.9/80

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 190.958 $\pm$ 212.155 χ^2 /NDF: 24.1/16

Left Out: 503.008 $\pm$ 85.914 χ^2 /NDF:55.7/22

Right Out: -339.084 $\pm$ 205.618 χ^2 /NDF: 8.2/18

Left In: -46.489 $\pm$ 85.678 χ^2 /NDF:23.9/21

Left: 227.506 $\pm$ 60.667 χ^2 /NDF: 100.1/44

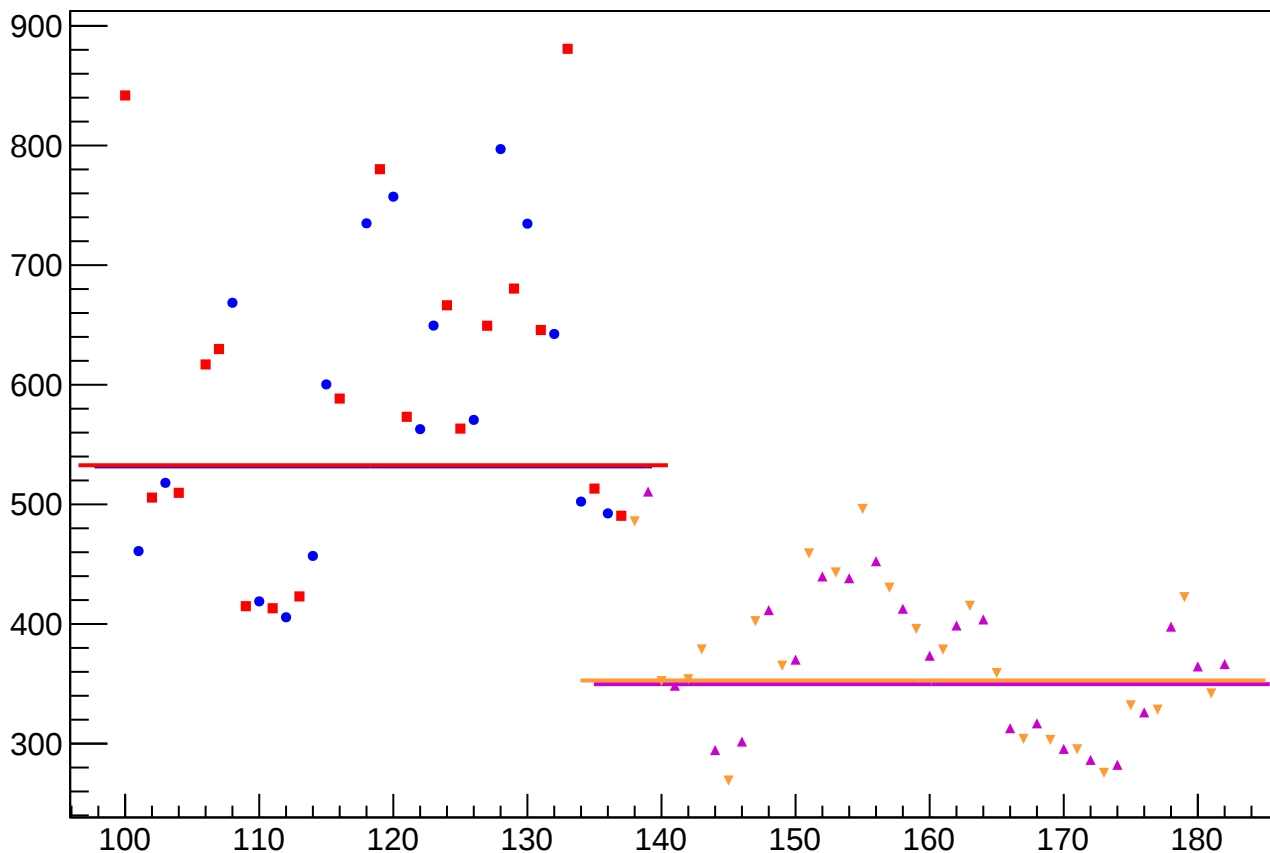
Right: -82.355 $\pm$ 147.651 χ^2 /NDF: 35.6/35

In: -13.194 $\pm$ 79.445 χ^2 /NDF:49.1/38

Out: 377.845 $\pm$ 79.272 χ^2 /NDF:78.2/41

All: 182.750 $\pm$ 56.115 χ^2 /NDF: 139.5/80

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.765 $\pm$ 0.150 χ^2 /NDF: 555969.6/16

Left Out: 352.792 $\pm$ 0.061 χ^2 /NDF:1000363.8/22

Right Out: 532.709 $\pm$ 0.145 χ^2 /NDF: 617915.9/18

Left In: 349.726 $\pm$ 0.061 χ^2 /NDF:874792.6/21

Left: 351.255 $\pm$ 0.043 χ^2 /NDF: 1876433.4/44

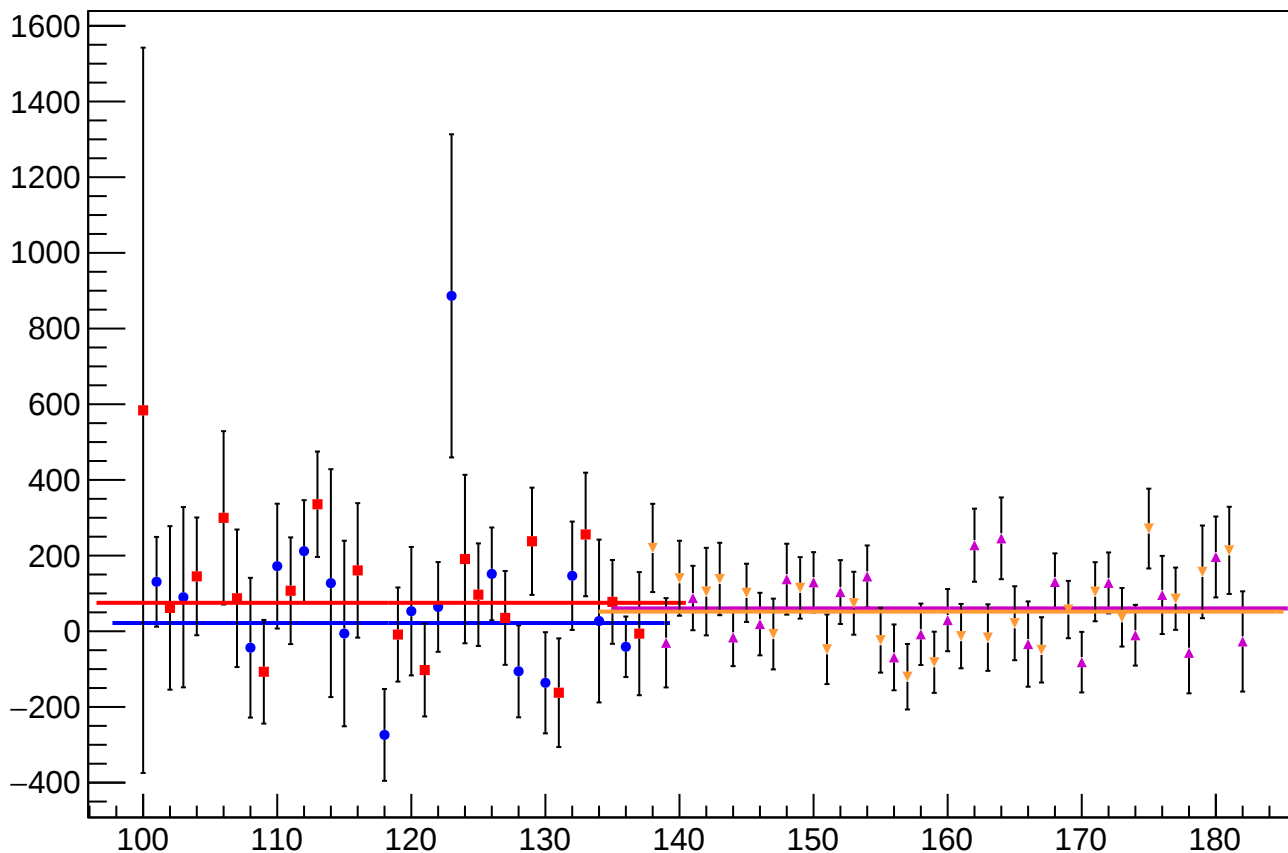
Right: 532.252 $\pm$ 0.104 χ^2 /NDF: 1173906.0/35

In: 375.253 $\pm$ 0.056 χ^2 /NDF:2696771.1/38

Out: 379.534 $\pm$ 0.056 χ^2 /NDF:2921942.9/41

All: 377.398 $\pm$ 0.040 χ^2 /NDF: 5621624.8/80

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 21.833+/-34.638 χ^2/NDF : 19.2/16

Left Out: 51.955+/-18.665 χ^2/NDF : 24.4/22

Right Out: 75.207+/-34.800 χ^2/NDF : 15.5/18

Left In: 60.473+/-19.028 χ^2/NDF : 23.3/21

Left: 56.132+/-13.325 χ^2/NDF : 47.8/44

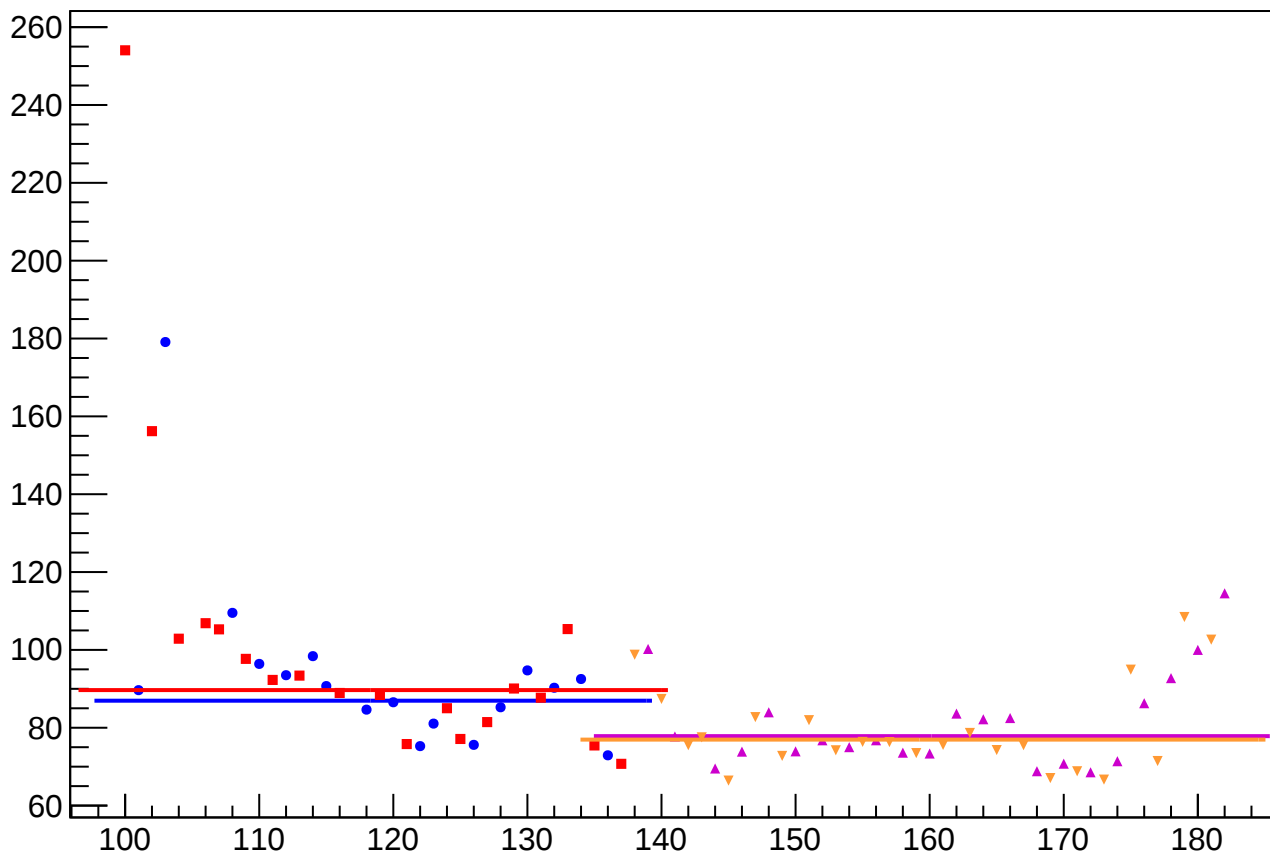
Right: 48.395+/-24.550 χ^2/NDF : 35.9/35

In: 51.515+/-16.677 χ^2/NDF : 43.4/38

Out: 57.150+/-16.448 χ^2/NDF : 40.2/41

All: 54.371+/-11.711 χ^2/NDF : 83.7/80

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.949 $\pm$ 0.024 χ^2 /NDF: 453620.2/16

Left Out: 76.951 $\pm$ 0.013 χ^2 /NDF: 547950.9/22

Right Out: 89.674 $\pm$ 0.025 χ^2 /NDF: 429254.7/18

Left In: 77.844 $\pm$ 0.013 χ^2 /NDF: 517314.9/21

Left: 77.389 $\pm$ 0.009 χ^2 /NDF: 1067507.6/44

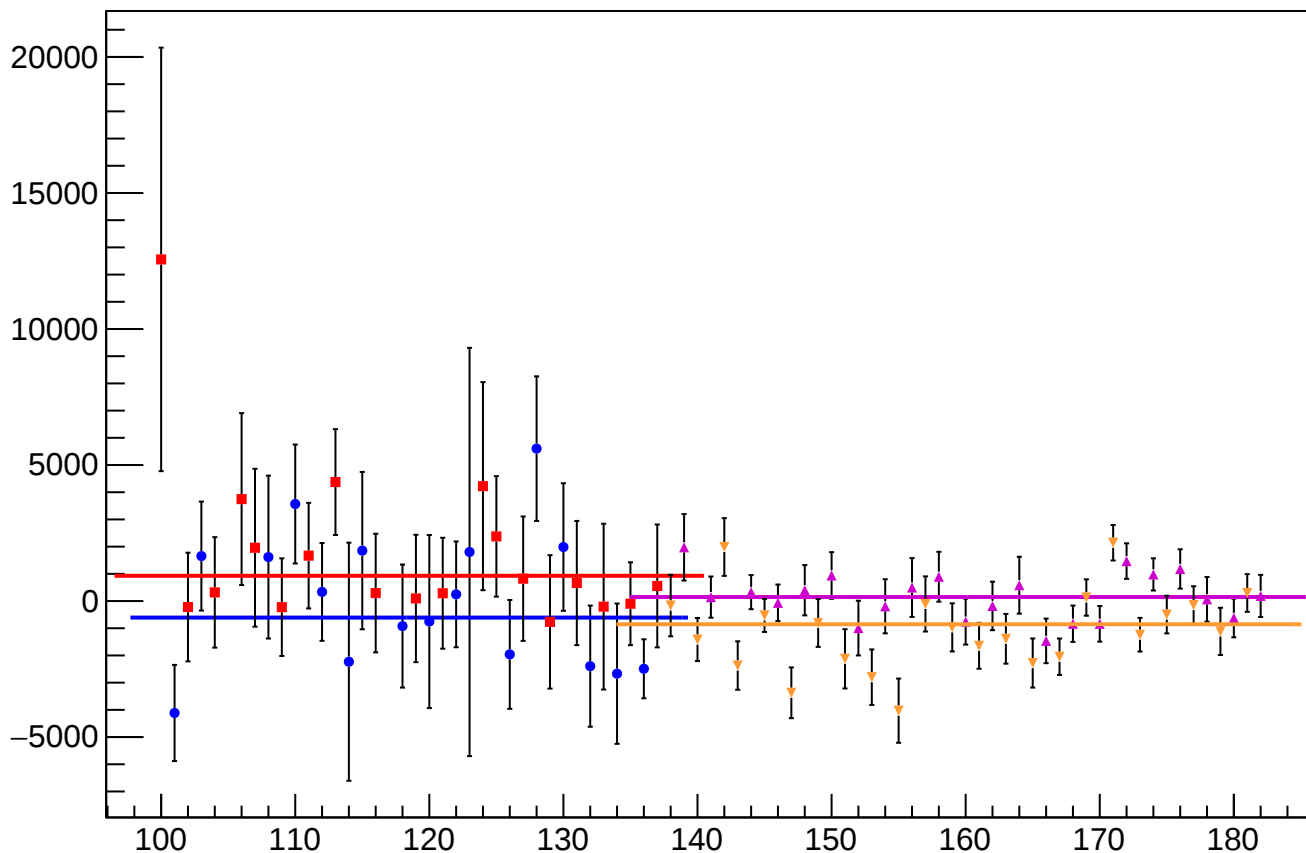
Right: 88.305 $\pm$ 0.017 χ^2 /NDF: 889035.0/35

In: 79.955 $\pm$ 0.012 χ^2 /NDF: 1077098.8/38

Out: 79.794 $\pm$ 0.012 χ^2 /NDF: 1184800.3/41

All: 79.873 $\pm$ 0.008 χ^2 /NDF: 2261993.6/80

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -607.702 $\pm$ 518.220 χ^2 /NDF: 22.3/16

Left Out: -853.796 $\pm$ 168.378 χ^2 /NDF:66.0/22

Right Out: 927.943 $\pm$ 515.777 χ^2 /NDF: 9.9/18

Left In: 147.300 $\pm$ 167.548 χ^2 /NDF:24.5/21

Left: -350.772 $\pm$ 118.767 χ^2 /NDF: 108.3/44

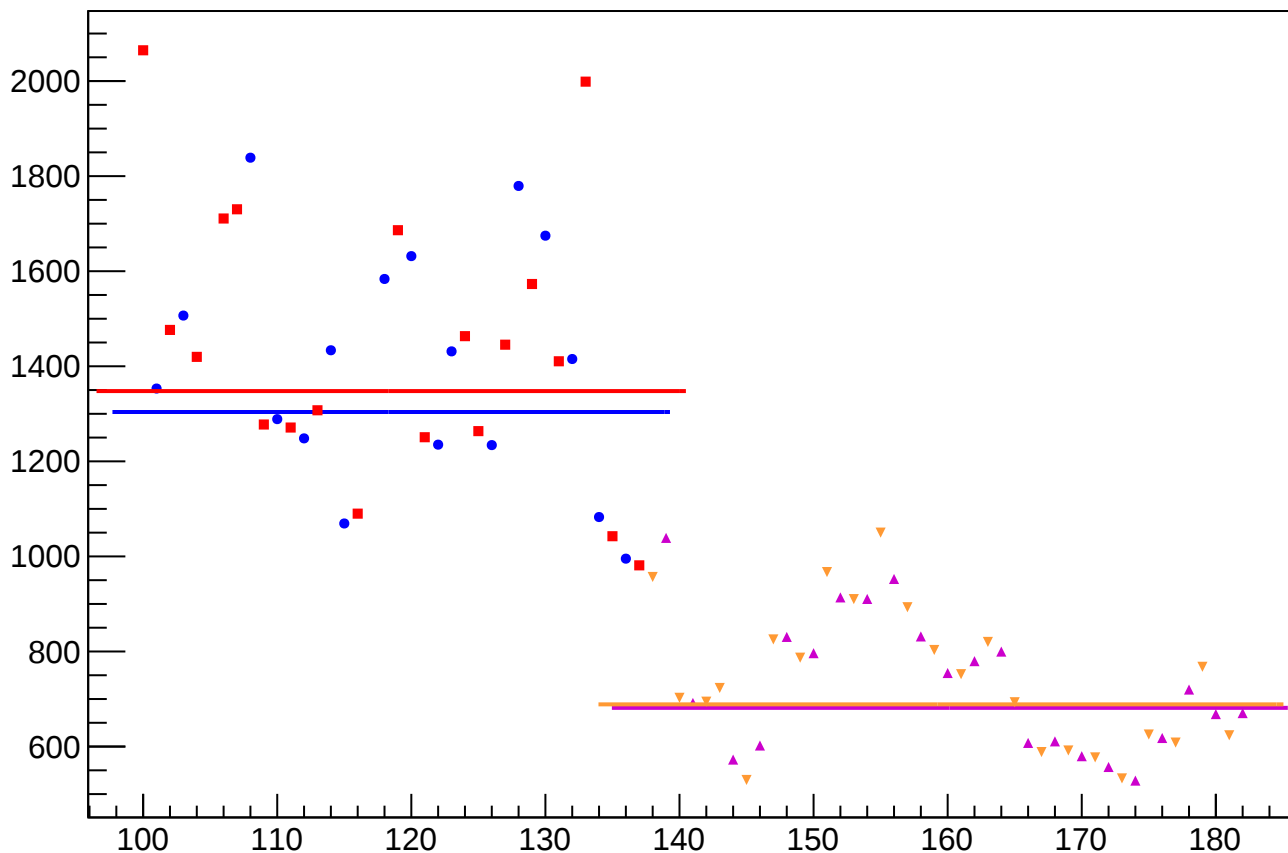
Right: 163.749 $\pm$ 365.570 χ^2 /NDF: 36.6/35

In: 75.847 $\pm$ 159.422 χ^2 /NDF:48.8/38

Out: -682.197 $\pm$ 160.065 χ^2 /NDF:86.6/41

All: -301.651 $\pm$ 112.955 χ^2 /NDF: 146.6/80

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.810+/-0.366 χ^2/NDF : 456027.3/16

Left Out: 688.754+/-0.119 χ^2/NDF : 1249995.7/22

Right Out: 1347.826+/-0.365 χ^2/NDF : 421434.3/18

Left In: 681.419+/-0.118 χ^2/NDF : 1119256.3/21

Left: 685.068+/-0.084 χ^2/NDF : 2371158.9/44

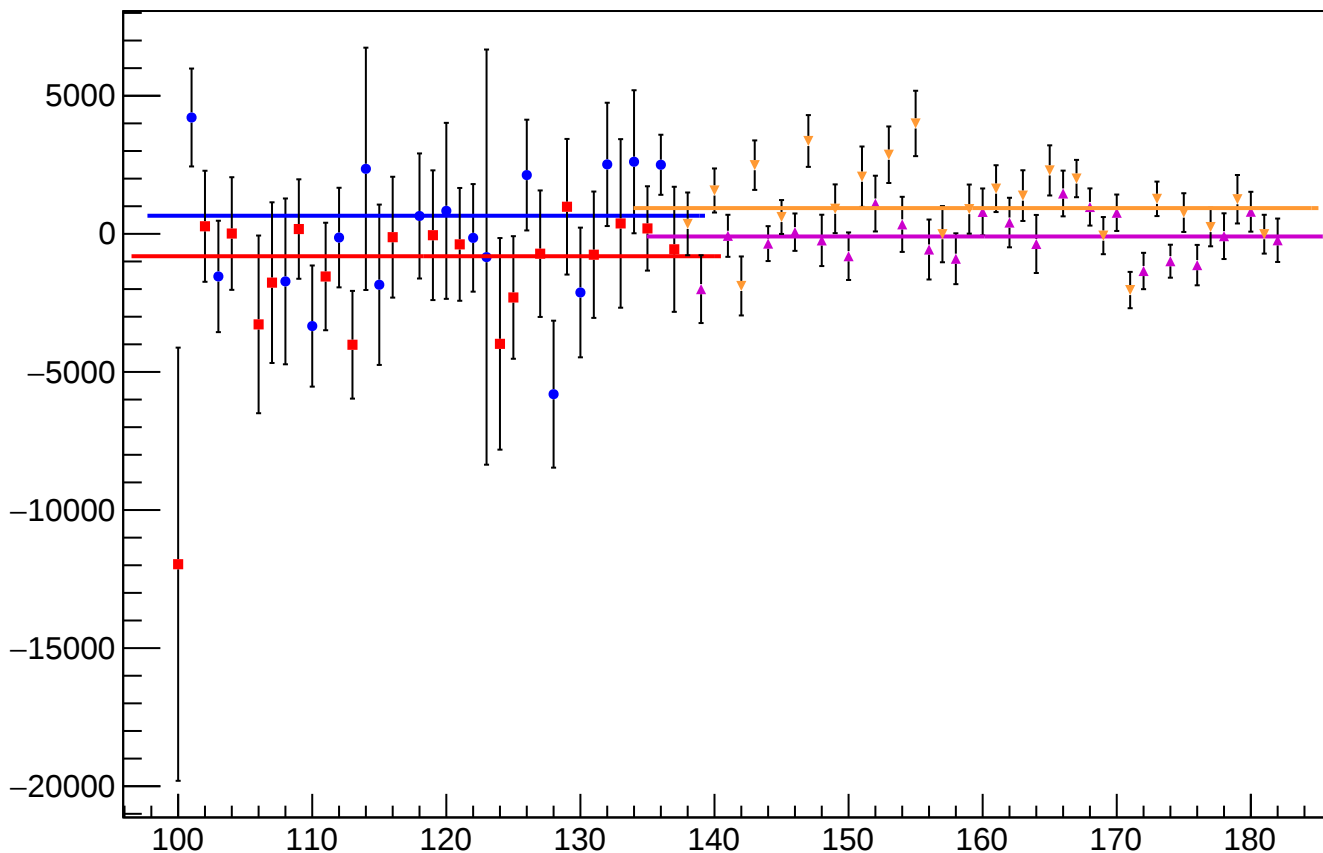
Right: 1325.922+/-0.258 χ^2/NDF : 884709.8/35

In: 740.321+/-0.113 χ^2/NDF : 4187148.8/38

Out: 752.229+/-0.113 χ^2/NDF : 4622586.5/41

All: 746.251+/-0.080 χ^2/NDF : 8815291.4/80

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 655.779 ± 519.695 $\chi^2/\text{NDF}: 22.4/16$

Left Out: 932.677 ± 169.607 $\chi^2/\text{NDF}: 61.6/22$

Right Out: -810.322 ± 517.488 $\chi^2/\text{NDF}: 8.8/18$

Left In: -95.044 ± 168.832 $\chi^2/\text{NDF}: 24.6/21$

Left: 416.461 ± 119.655 $\chi^2/\text{NDF}: 104.6/44$

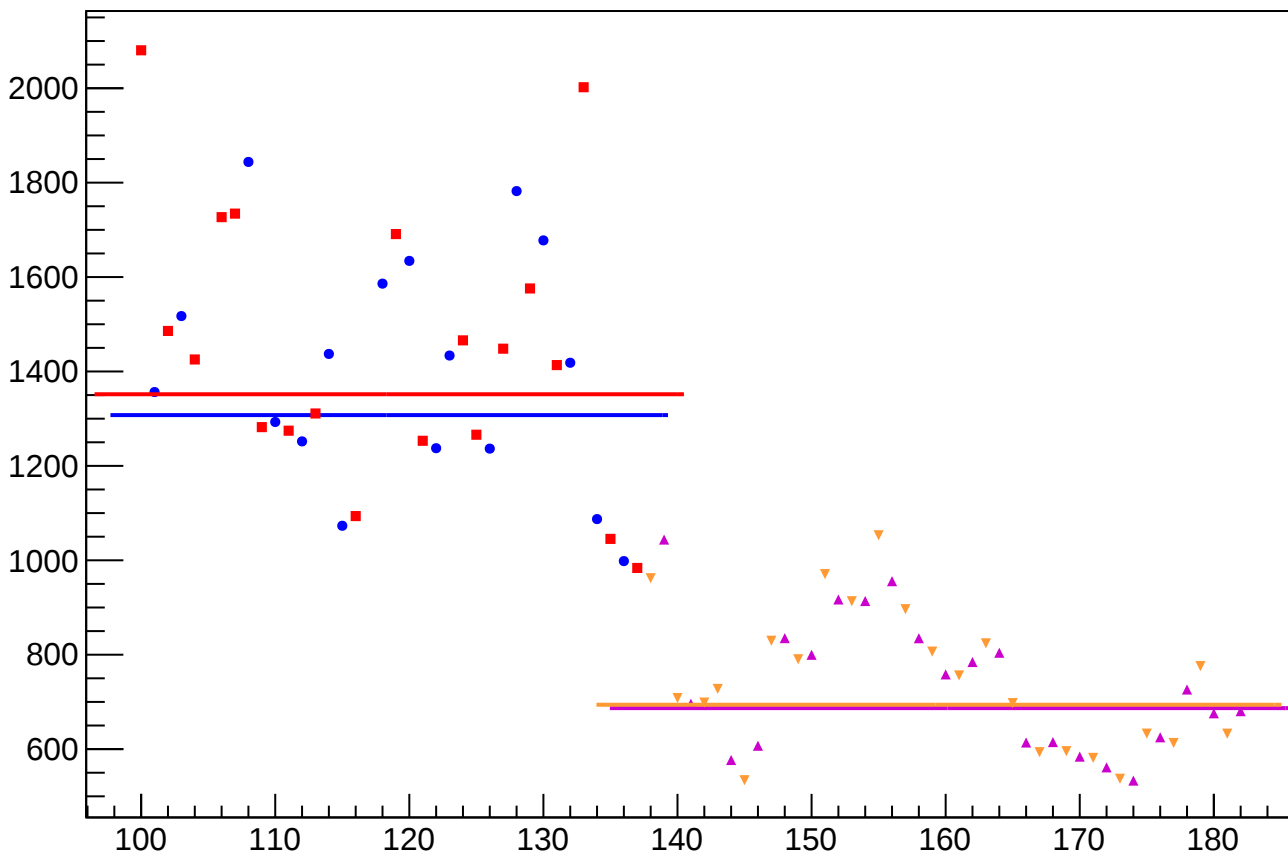
Right: -80.392 ± 366.697 $\chi^2/\text{NDF}: 35.3/35$

In: -23.367 ± 160.571 $\chi^2/\text{NDF}: 48.9/38$

Out: 763.604 ± 161.171 $\chi^2/\text{NDF}: 80.7/41$

All: 368.650 ± 113.753 $\chi^2/\text{NDF}: 141.5/80$

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1307.585+/-0.367 χ^2/NDF : 455146.3/16

Left Out: 694.007+/-0.120 χ^2/NDF : 1228770.8/22

Right Out: 1351.755+/-0.366 χ^2/NDF : 422451.1/18

Left In: 686.854+/-0.119 χ^2/NDF : 1099125.3/21

Left: 690.414+/-0.085 χ^2/NDF : 2329683.2/44

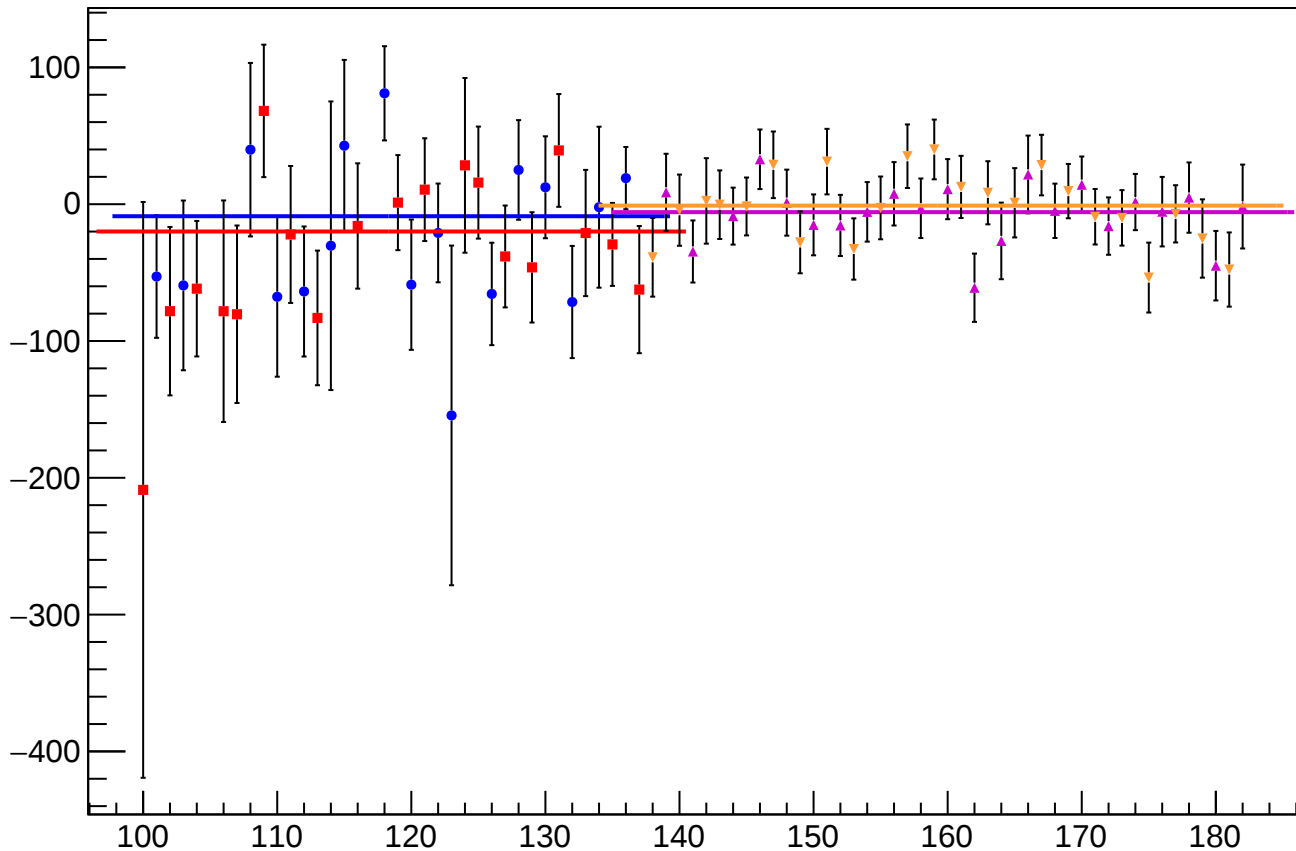
Right: 1329.764+/-0.259 χ^2/NDF : 884852.0/35

In: 746.111+/-0.114 χ^2/NDF : 4135141.8/38

Out: 757.810+/-0.114 χ^2/NDF : 4568894.0/41

All: 751.938+/-0.080 χ^2/NDF : 8709324.1/80

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -8.789 ± 10.423 χ^2/NDF : 22.0/16

Left Out: -1.052 ± 4.881 χ^2/NDF : 25.4/22

Right Out: -19.948 ± 10.470 χ^2/NDF : 14.8/18

Left In: -5.810 ± 4.949 χ^2/NDF : 16.7/21

Left: -3.398 ± 3.475 χ^2/NDF : 42.6/44

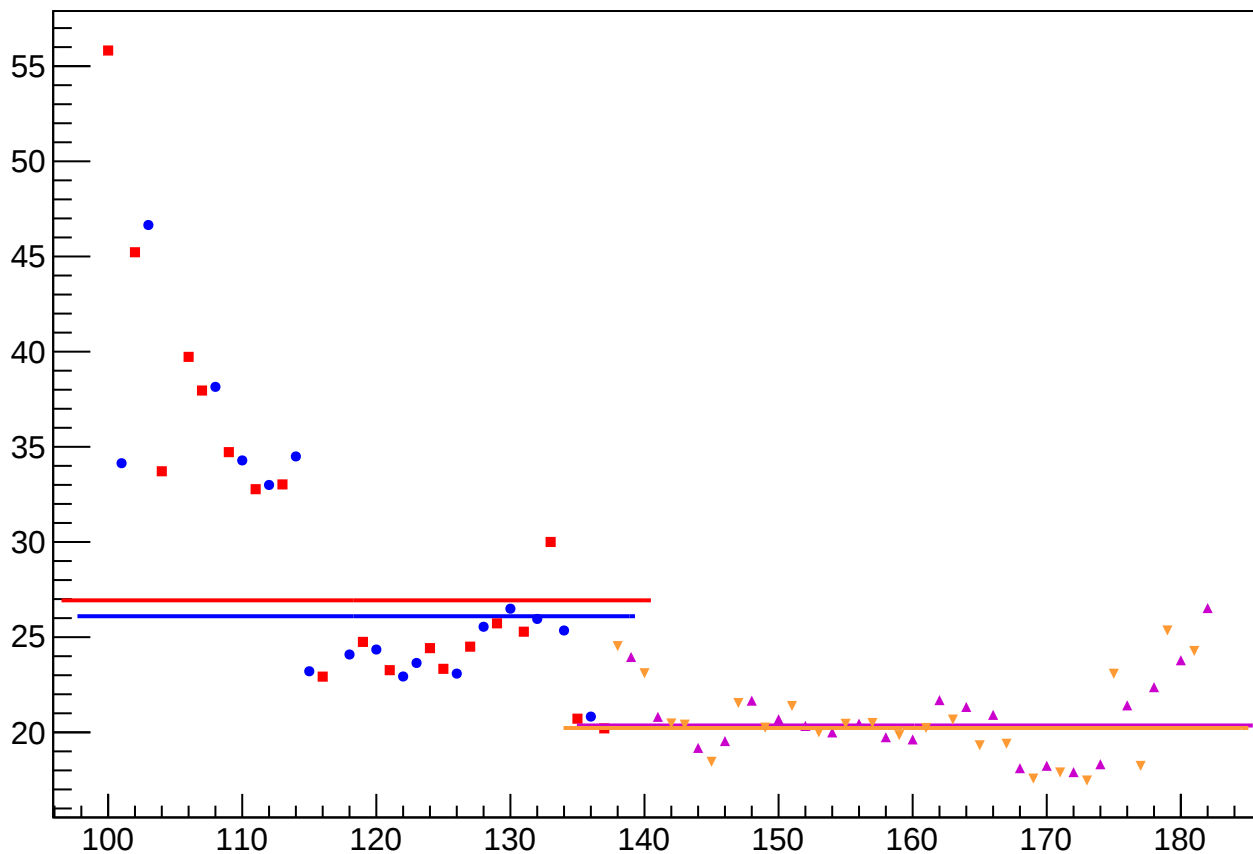
Right: -14.343 ± 7.387 χ^2/NDF : 37.4/35

In: -6.358 ± 4.470 χ^2/NDF : 38.8/38

Out: -4.426 ± 4.424 χ^2/NDF : 42.9/41

All: -5.382 ± 3.144 χ^2/NDF : 81.8/80

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.100 $\pm$ 0.007 χ^2 /NDF: 601502.5/16

Left Out: 20.229 $\pm$ 0.003 χ^2 /NDF: 352325.3/22

Right Out: 26.935 $\pm$ 0.007 χ^2 /NDF: 677999.1/18

Left In: 20.360 $\pm$ 0.003 χ^2 /NDF: 288763.6/21

Left: 20.294 $\pm$ 0.002 χ^2 /NDF: 641804.6/44

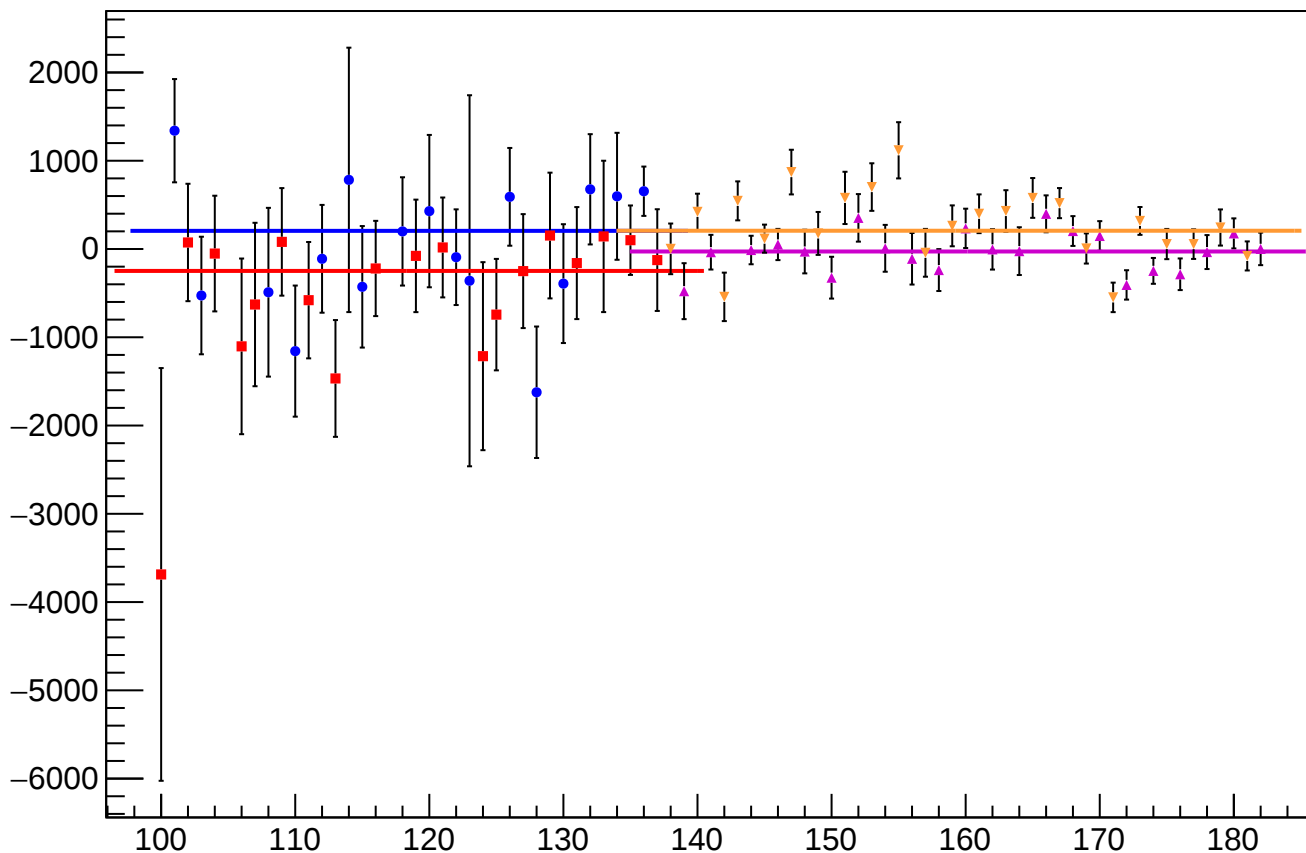
Right: 26.515 $\pm$ 0.005 χ^2 /NDF: 1285891.0/35

In: 21.416 $\pm$ 0.003 χ^2 /NDF: 1385158.1/38

Out: 21.426 $\pm$ 0.003 χ^2 /NDF: 1704325.6/41

All: 21.421 $\pm$ 0.002 χ^2 /NDF: 3089488.6/80

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 205.606 $\pm$ 148.196 χ^2 /NDF: 21.3/16

Left Out: 206.919 $\pm$ 42.936 χ^2 /NDF: 67.3/22

Right Out: -248.324 $\pm$ 150.188 χ^2 /NDF: 10.4/18

Left In: -28.146 $\pm$ 42.681 χ^2 /NDF: 26.2/21

Left: 88.686 $\pm$ 30.270 χ^2 /NDF: 108.6/44

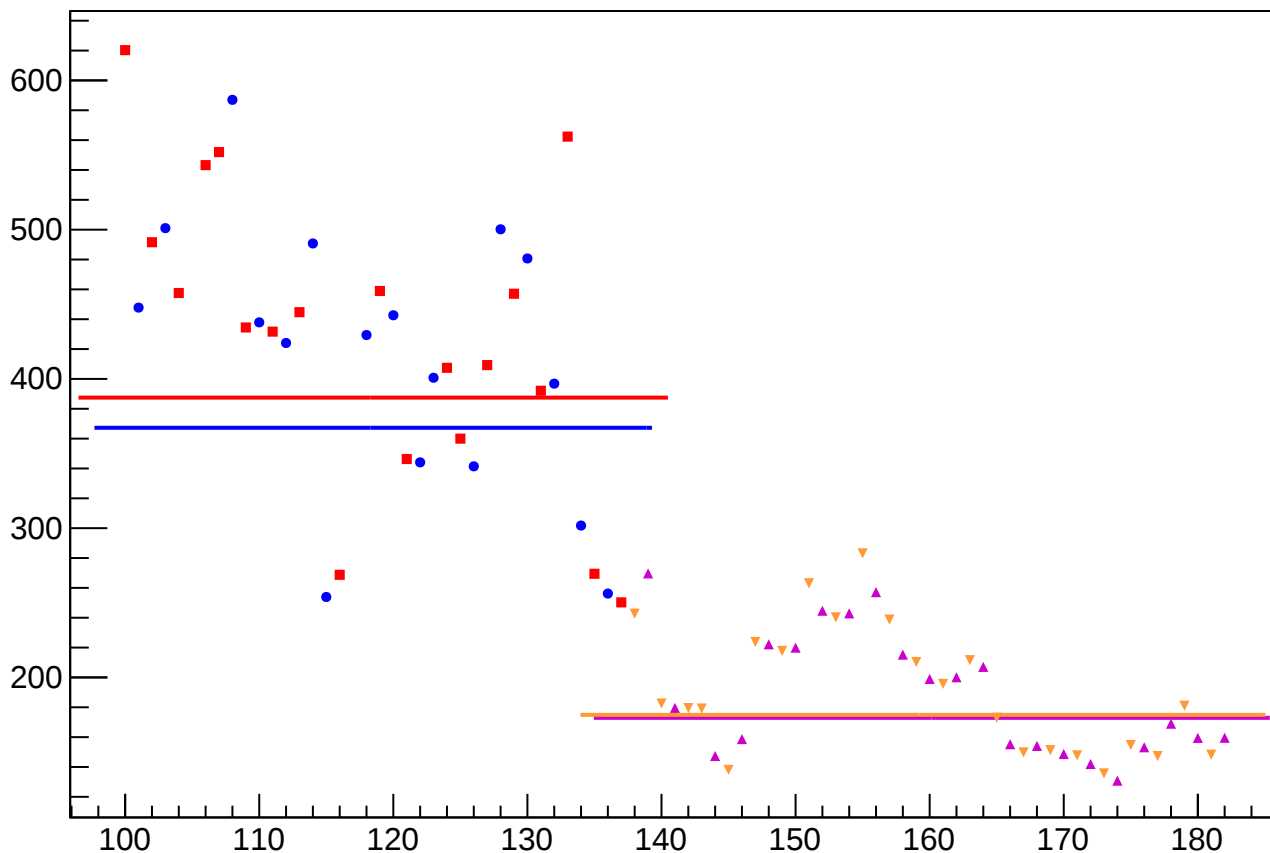
Right: -18.328 $\pm$ 105.488 χ^2 /NDF: 36.4/35

In: -10.242 $\pm$ 41.014 χ^2 /NDF: 49.8/38

Out: 172.524 $\pm$ 41.282 χ^2 /NDF: 86.3/41

All: 80.545 $\pm$ 29.096 χ^2 /NDF: 145.9/80

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.272 $\pm$ 0.105 χ^2 /NDF: 829589.7/16

Left Out: 174.929 $\pm$ 0.030 χ^2 /NDF:1504614.7/22

Right Out: 387.481 $\pm$ 0.106 χ^2 /NDF: 774967.1/18

Left In: 172.929 $\pm$ 0.030 χ^2 /NDF:1371517.8/21

Left: 173.923 $\pm$ 0.021 χ^2 /NDF: 2878316.6/44

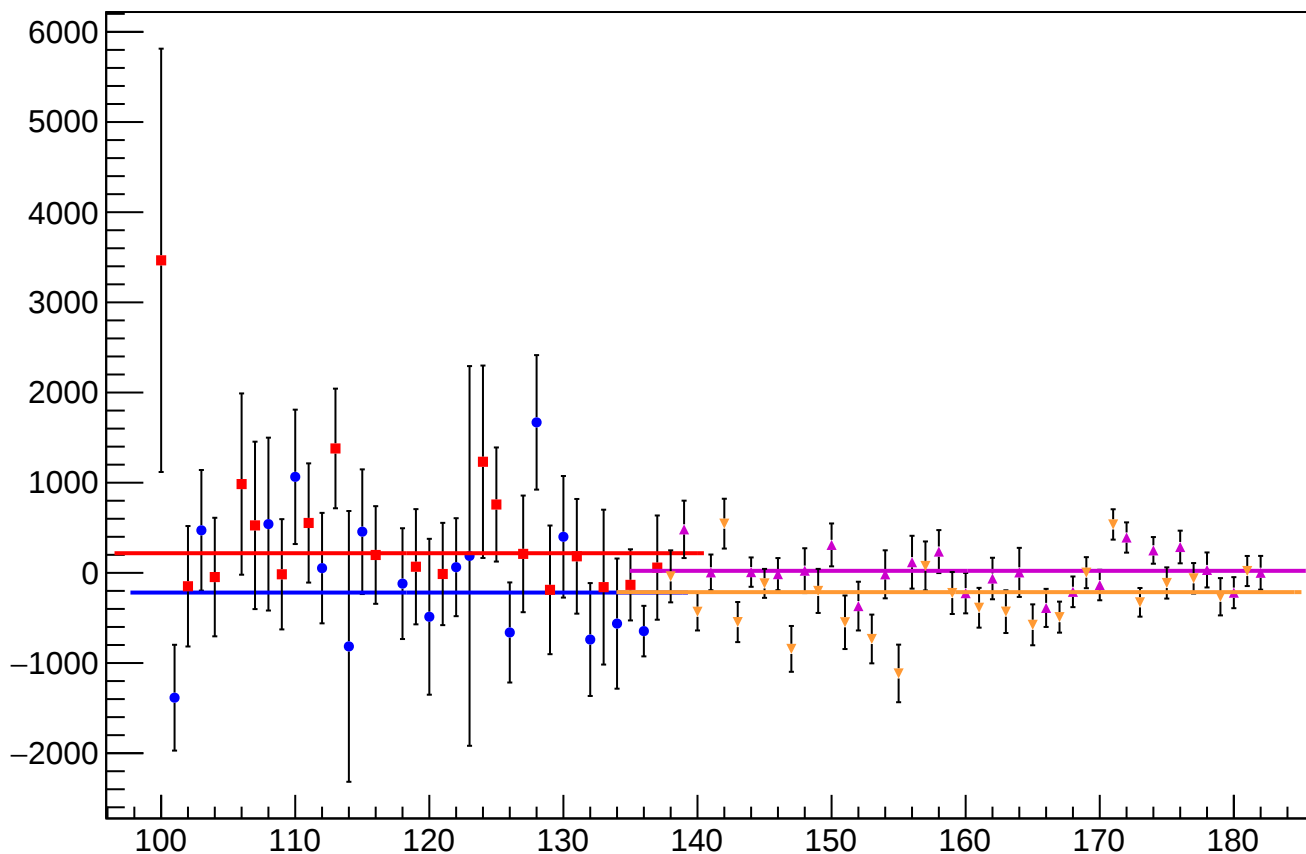
Right: 377.241 $\pm$ 0.075 χ^2 /NDF: 1622903.6/35

In: 187.814 $\pm$ 0.029 χ^2 /NDF:5377180.7/38

Out: 190.988 $\pm$ 0.029 χ^2 /NDF:5982685.6/41

All: 189.391 $\pm$ 0.021 χ^2 /NDF: 11365816.7/80

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -218.471+/-148.628 χ^2/NDF : 21.5/16

Left Out: -213.741+/-43.262 χ^2/NDF : 63.6/22

Right Out: 217.922+/-150.640 χ^2/NDF : 9.8/18

Left In: 22.485+/-43.019 χ^2/NDF : 25.9/21

Left: -94.962+/-30.505 χ^2/NDF : 104.4/44

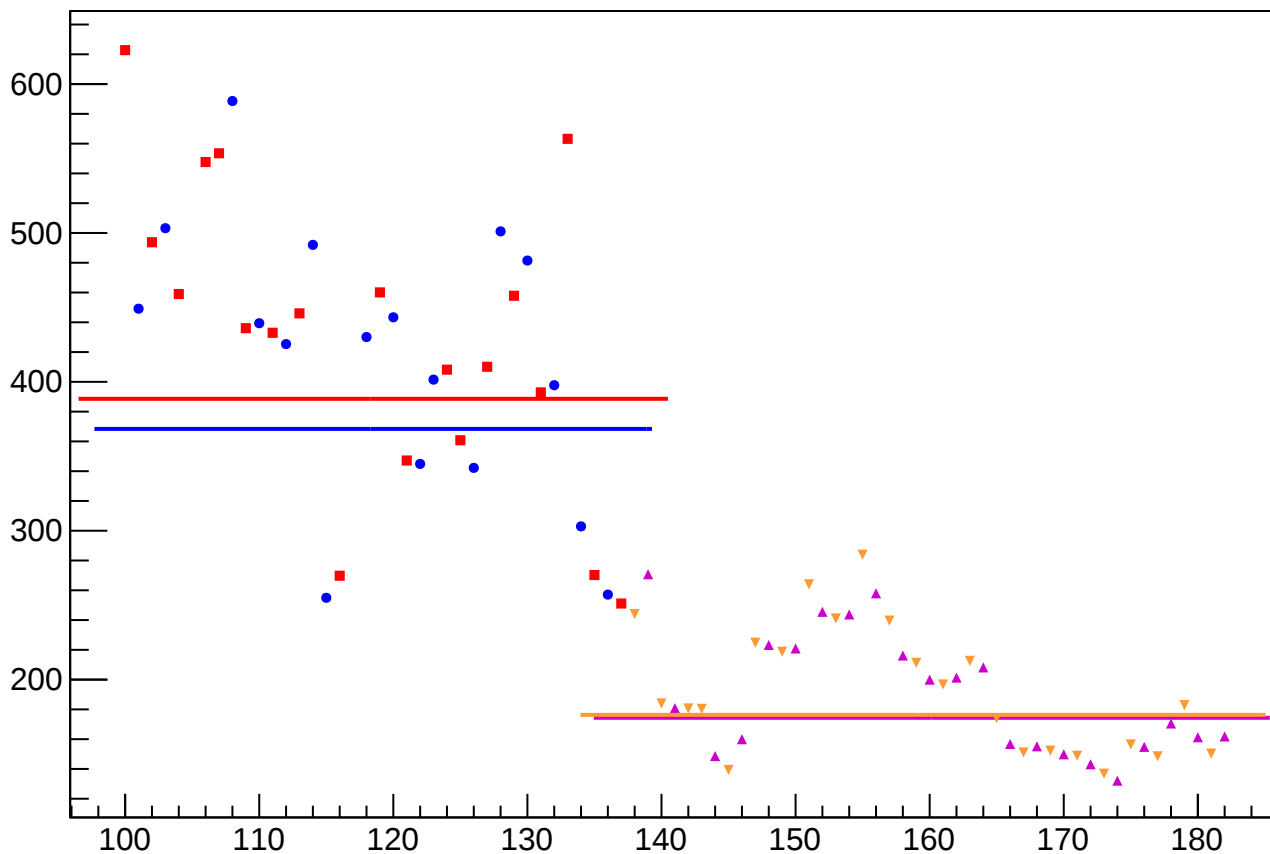
Right: -3.208+/-105.800 χ^2/NDF : 35.5/35

In: 3.859+/-41.323 χ^2/NDF : 49.7/38

Out: -180.851+/-41.581 χ^2/NDF : 81.0/41

All: -87.920+/-29.311 χ^2/NDF : 140.6/80

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.392+/-0.105 χ^2/NDF : 826964.8/16

Left Out: 176.338+/-0.031 χ^2/NDF : 1476952.9/22

Right Out: 388.611+/-0.107 χ^2/NDF : 775115.8/18

Left In: 174.374+/-0.030 χ^2/NDF : 1344337.2/21

Left: 175.351+/-0.022 χ^2/NDF : 2823362.8/44

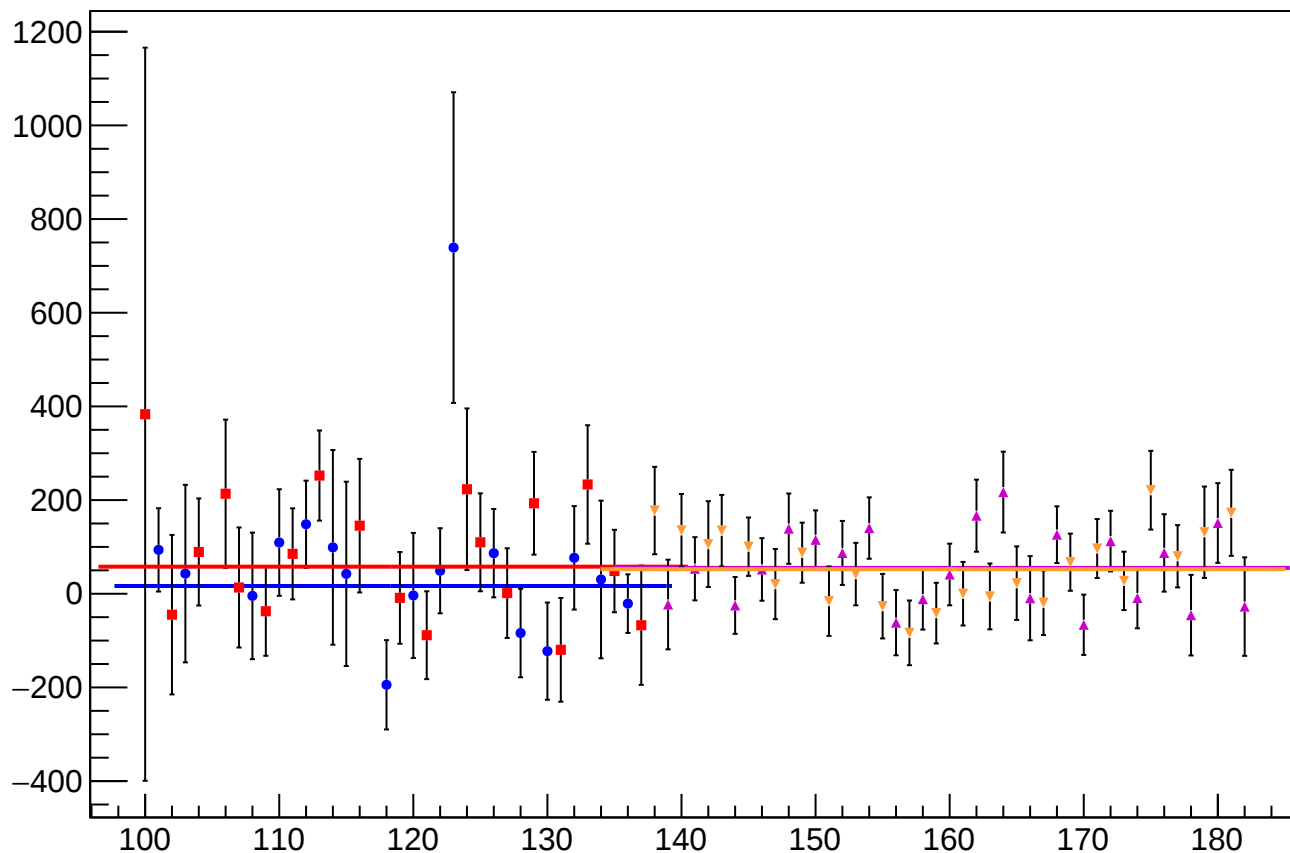
Right: 378.366+/-0.075 χ^2/NDF : 1620338.7/35

In: 189.371+/-0.029 χ^2/NDF : 5315943.2/38

Out: 192.512+/-0.029 χ^2/NDF : 5920844.5/41

All: 190.932+/-0.021 χ^2/NDF : 11242527.8/80

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 16.561 $\pm$ 26.377 χ^2 /NDF: 17.6/16

Left Out: 52.451 $\pm$ 14.944 χ^2 /NDF:23.5/22

Right Out: 57.839 $\pm$ 26.196 χ^2 /NDF: 18.7/18

Left In: 55.205 $\pm$ 15.240 χ^2 /NDF:26.6/21

Left: 53.801 $\pm$ 10.670 χ^2 /NDF: 50.1/44

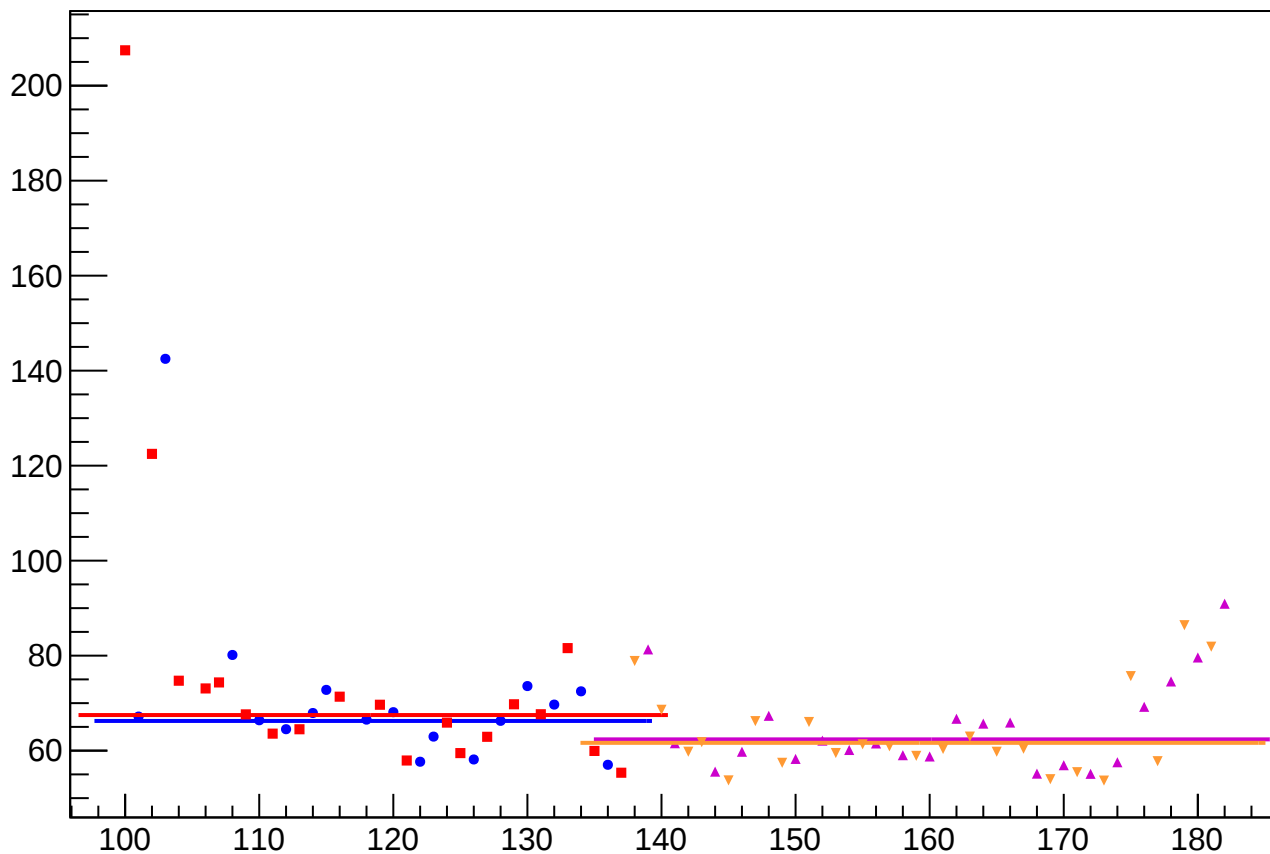
Right: 37.342 $\pm$ 18.587 χ^2 /NDF: 37.5/35

In: 45.533 $\pm$ 13.195 χ^2 /NDF:45.8/38

Out: 53.774 $\pm$ 12.980 χ^2 /NDF:42.1/41

All: 49.721 $\pm$ 9.254 χ^2 /NDF: 88.2/80

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.252 $\pm$ 0.019 χ^2 /NDF: 439625.4/16

Left Out: 61.644 $\pm$ 0.011 χ^2 /NDF: 521546.0/22

Right Out: 67.493 $\pm$ 0.019 χ^2 /NDF: 392346.8/18

Left In: 62.373 $\pm$ 0.011 χ^2 /NDF: 512800.0/21

Left: 62.001 $\pm$ 0.008 χ^2 /NDF: 1036677.4/44

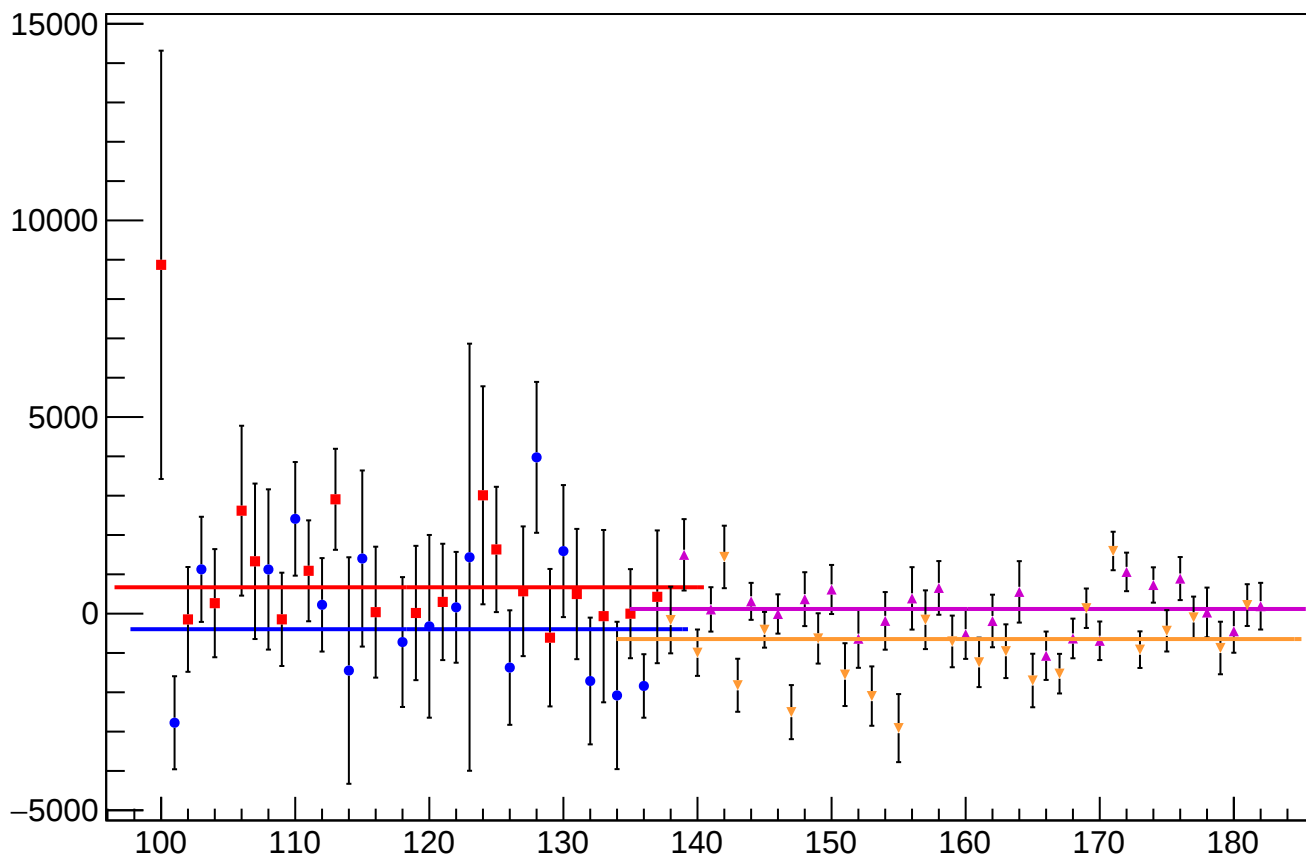
Right: 66.877 $\pm$ 0.013 χ^2 /NDF: 834200.1/35

In: 63.344 $\pm$ 0.009 χ^2 /NDF: 984864.0/38

Out: 63.080 $\pm$ 0.009 χ^2 /NDF: 989120.5/41

All: 63.210 $\pm$ 0.007 χ^2 /NDF: 1974389.9/80

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -395.700 $\pm$ 367.296 χ^2 /NDF: 22.7/16

Left Out: -646.227 $\pm$ 126.259 χ^2 /NDF:64.7/22

Right Out: 670.465 $\pm$ 362.692 χ^2 /NDF: 9.7/18

Left In: 118.632 $\pm$ 125.703 χ^2 /NDF:24.1/21

Left: -262.111 $\pm$ 89.081 χ^2 /NDF: 107.3/44

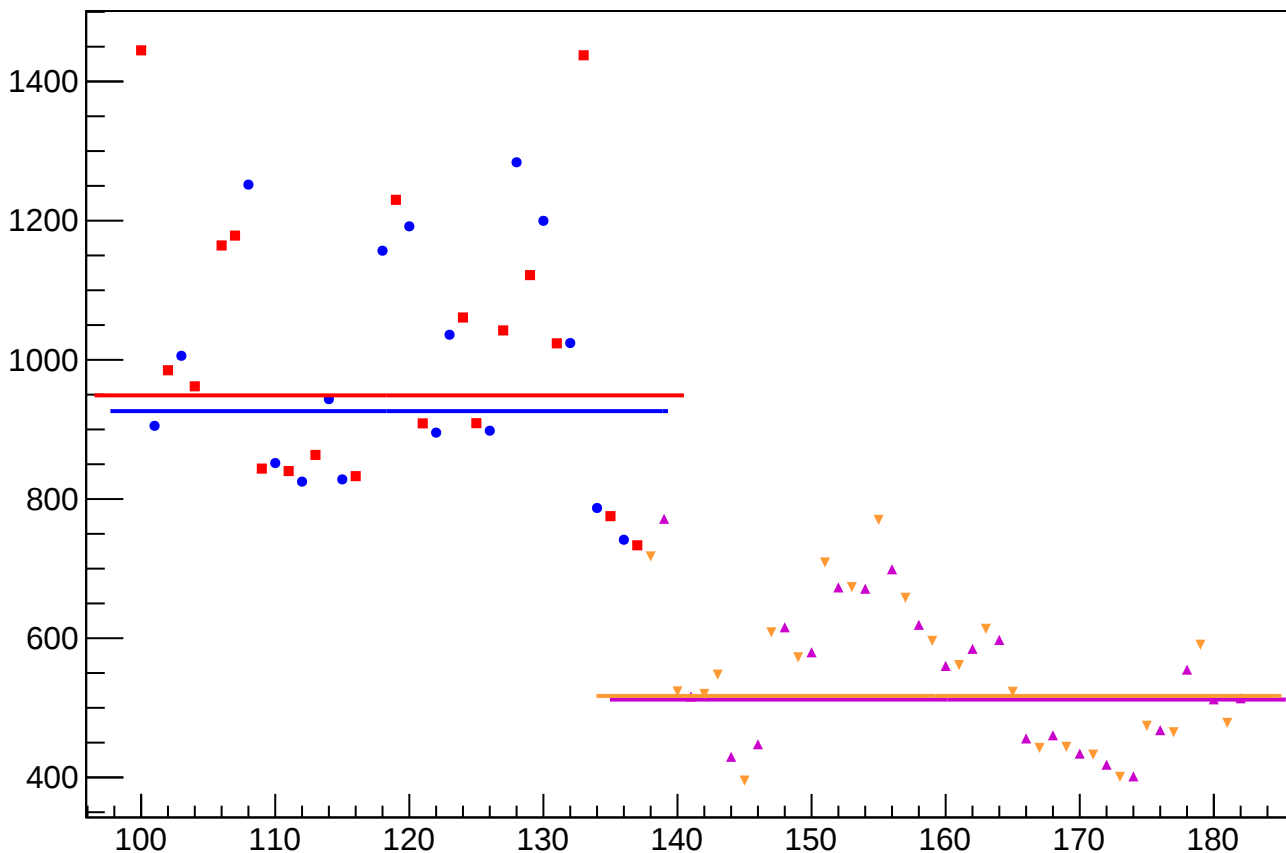
Right: 144.106 $\pm$ 258.074 χ^2 /NDF: 36.7/35

In: 64.706 $\pm$ 118.931 χ^2 /NDF:48.6/38

Out: -503.911 $\pm$ 119.240 χ^2 /NDF:86.2/41

All: -218.864 $\pm$ 84.206 χ^2 /NDF: 146.2/80

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 926.339+/-0.260 χ^2/NDF : 395813.5/16

Left Out: 517.105+/-0.089 χ^2/NDF : 1170657.9/22

Right Out: 948.981+/-0.256 χ^2/NDF : 382928.4/18

Left In: 511.838+/-0.089 χ^2/NDF : 1040238.8/21

Left: 514.460+/-0.063 χ^2/NDF : 2212644.5/44

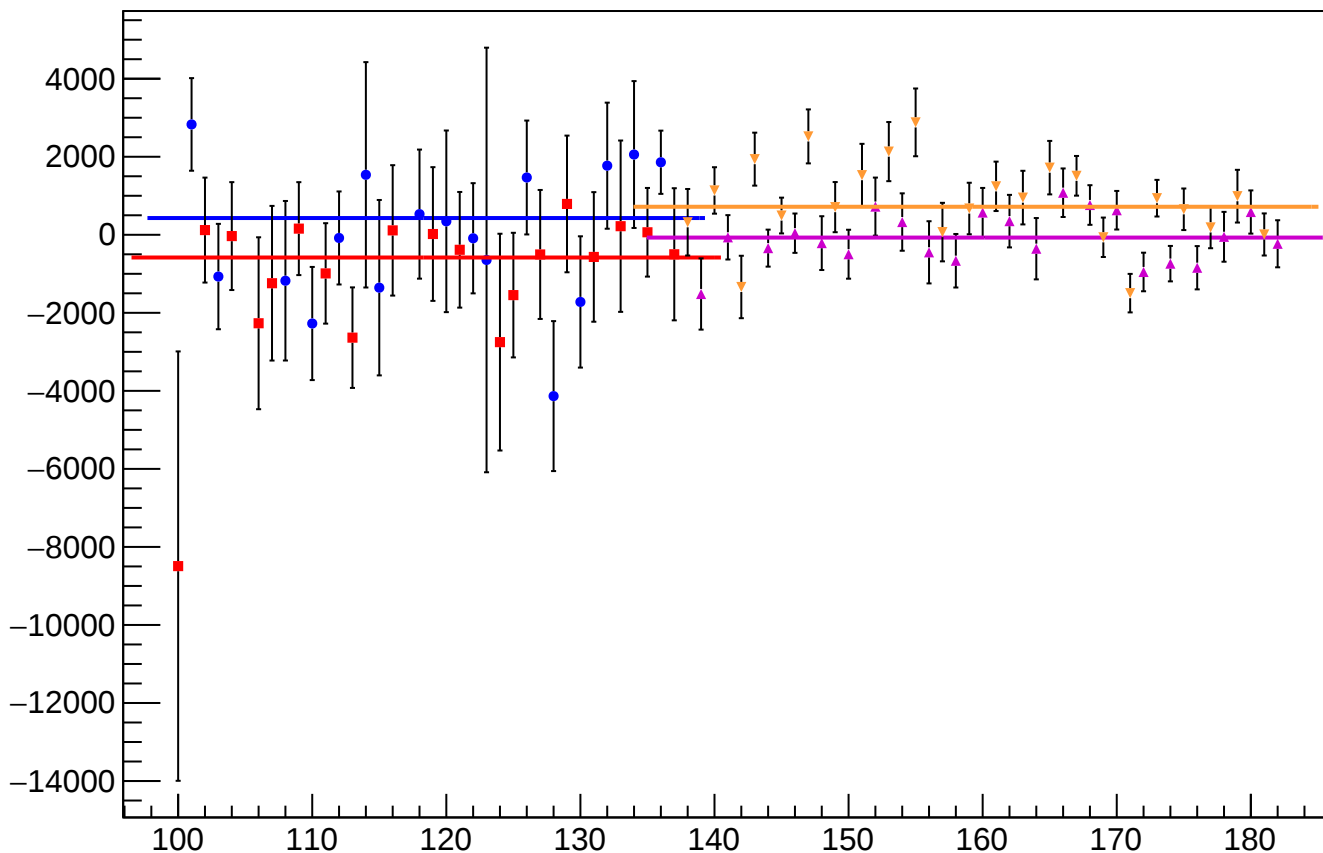
Right: 937.803+/-0.182 χ^2/NDF : 782589.7/35

In: 555.297+/-0.084 χ^2/NDF : 3716115.3/38

Out: 563.785+/-0.084 χ^2/NDF : 4082847.4/41

All: 559.530+/-0.060 χ^2/NDF : 7804042.1/80

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 429.343+/-368.550 χ^2/NDF : 22.9/16

Left Out: 718.363+/-127.290 χ^2/NDF : 60.1/22

Right Out: -582.178+/-364.139 χ^2/NDF : 8.6/18

Left In: -71.418+/-126.778 χ^2/NDF : 24.2/21

Left: 321.880+/-89.826 χ^2/NDF : 103.6/44

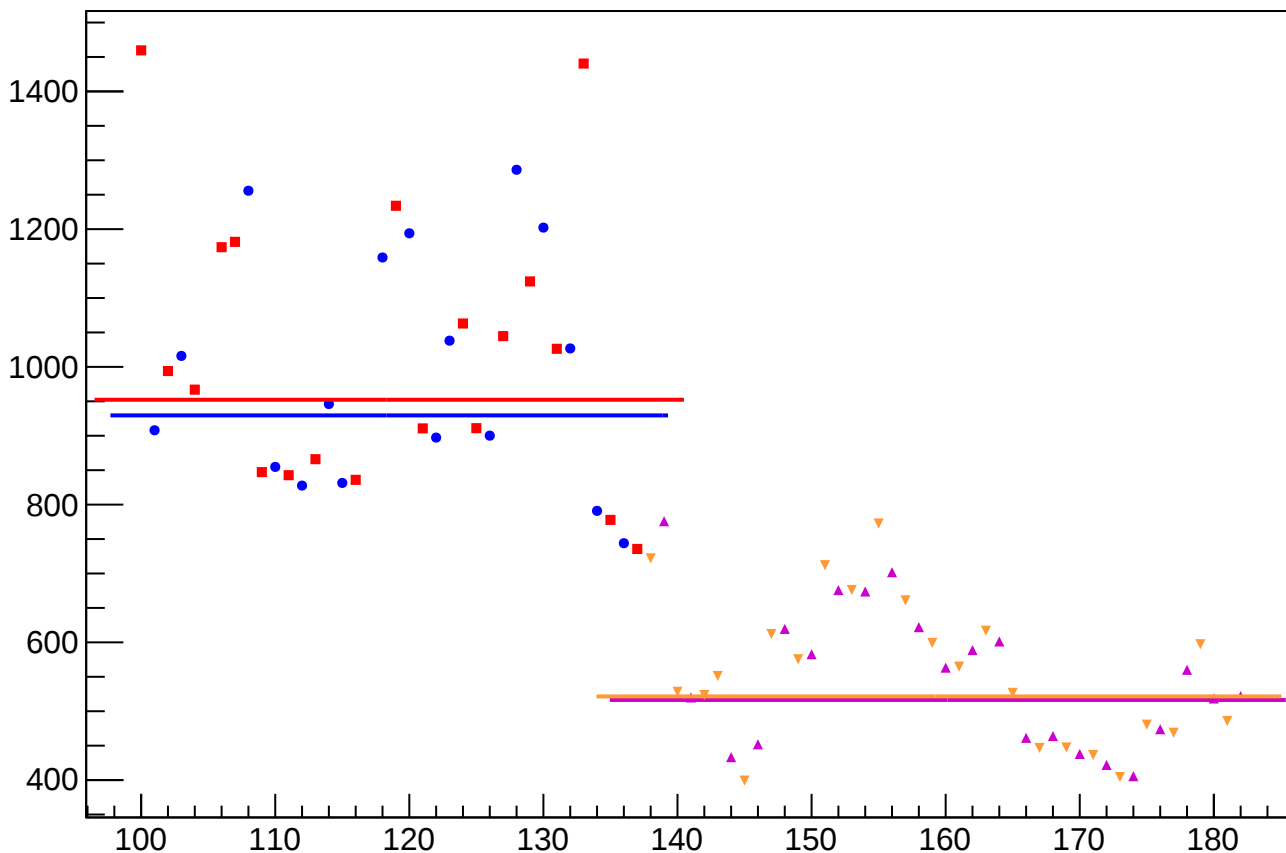
Right: -82.507+/-259.030 χ^2/NDF : 35.3/35

In: -18.432+/-119.884 χ^2/NDF : 48.8/38

Out: 576.746+/-120.160 χ^2/NDF : 80.0/41

All: 278.471+/-84.868 χ^2/NDF : 141.1/80

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.549 $\pm$ 0.261 χ^2 /NDF: 394903.7/16

Left Out: 521.507 $\pm$ 0.090 χ^2 /NDF:1148625.2/22

Right Out: 952.283 $\pm$ 0.257 χ^2 /NDF: 383199.7/18

Left In: 516.379 $\pm$ 0.090 χ^2 /NDF:1019984.0/21

Left: 518.933 $\pm$ 0.064 χ^2 /NDF: 2170239.0/44

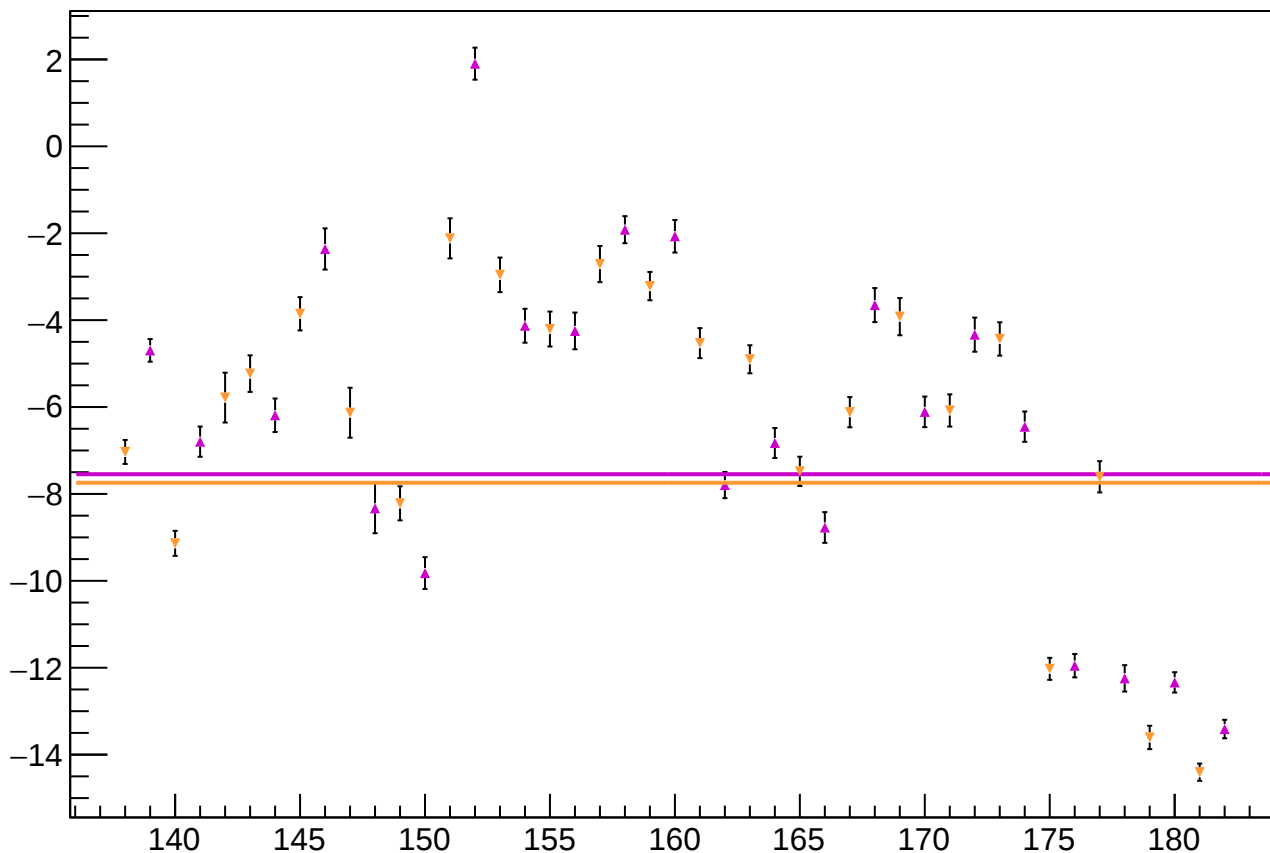
Right: 941.053 $\pm$ 0.183 χ^2 /NDF: 781954.5/35

In: 560.096 $\pm$ 0.085 χ^2 /NDF:3662522.5/38

Out: 568.415 $\pm$ 0.085 χ^2 /NDF:4026021.3/41

All: 564.246 $\pm$ 0.060 χ^2 /NDF: 7693347.2/80

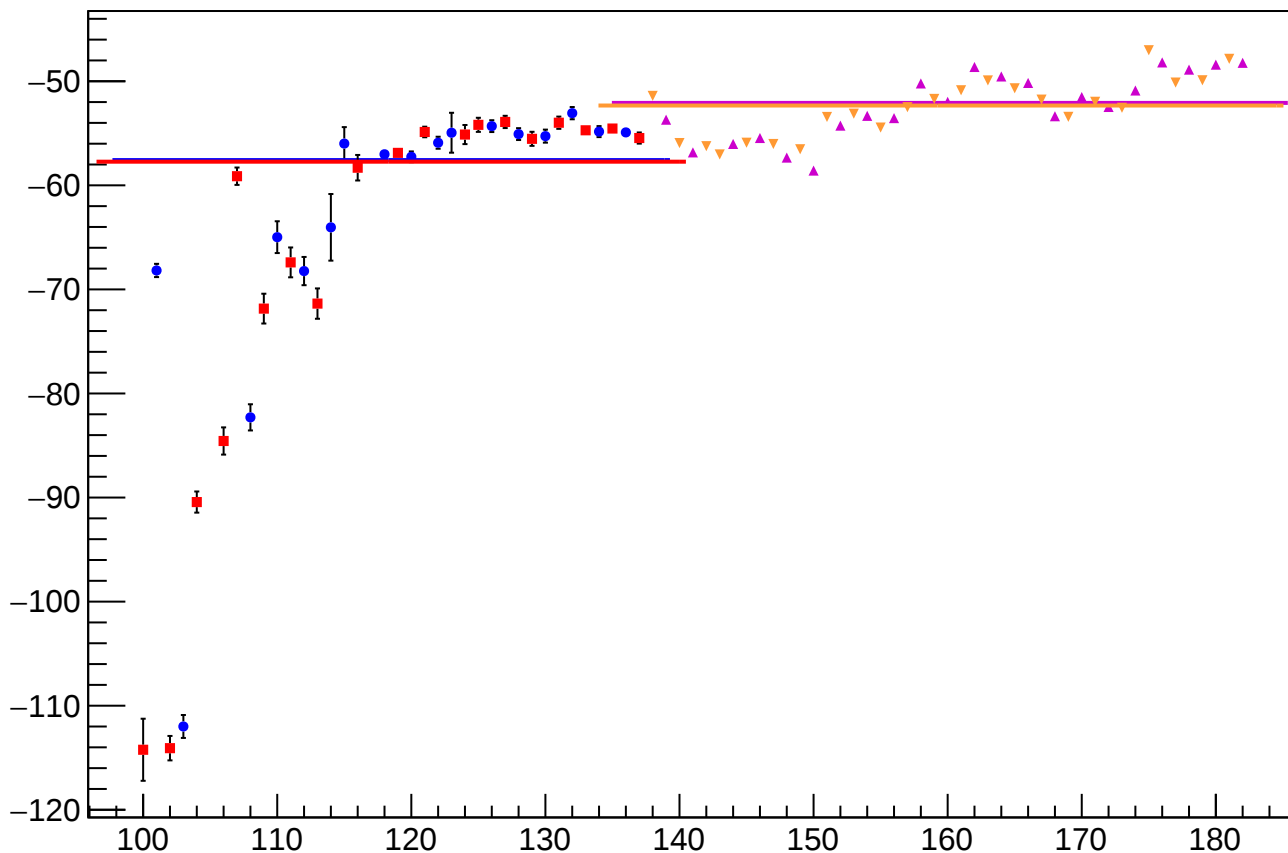
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.743+/-0.071 χ^2/NDF : 3154.2/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.546+/-0.070 χ^2/NDF : 3527.7/21

Left: -7.644+/-0.050 χ^2/NDF : 6685.8/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -7.546+/-0.070 χ^2/NDF : 3527.7/21
 Out: -7.743+/-0.071 χ^2/NDF : 3154.2/22
 All: -7.644+/-0.050 χ^2/NDF : 6685.8/44

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.574 ± 0.143 χ^2/NDF : 3458.2/16

Left Out: -52.331 ± 0.057 χ^2/NDF : 2476.1/22

Right Out: -57.728 ± 0.143 χ^2/NDF : 4700.5/18

Left In: -52.080 ± 0.058 χ^2/NDF : 3160.2/21

Left: -52.208 ± 0.041 χ^2/NDF : 5645.9/44

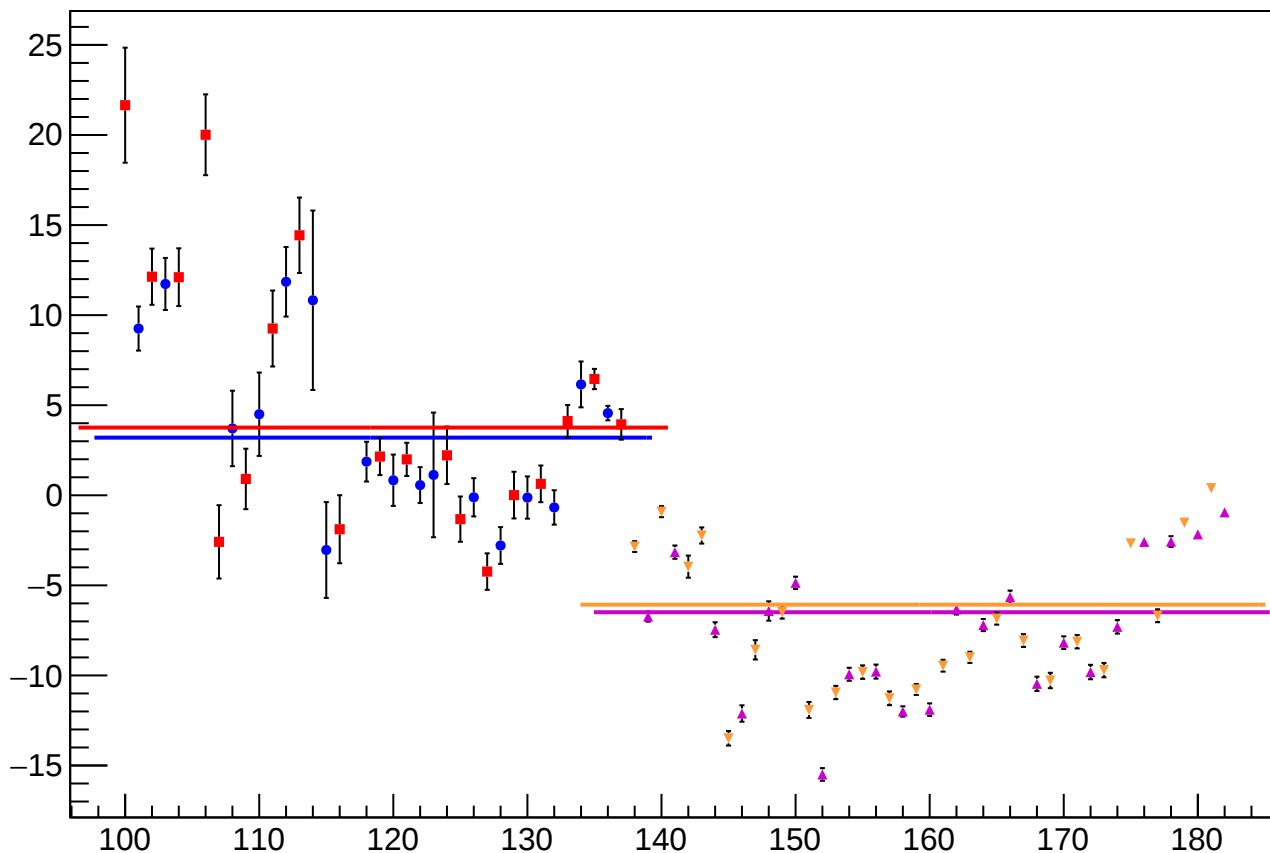
Right: -57.651 ± 0.101 χ^2/NDF : 8159.3/35

In: -52.852 ± 0.054 χ^2/NDF : 7883.6/38

Out: -53.068 ± 0.053 χ^2/NDF : 8403.4/41

All: -52.962 ± 0.038 χ^2/NDF : 16295.3/80

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.200 ± 0.259 χ^2/NDF : 184.7/16

Left Out: -6.071 ± 0.071 χ^2/NDF : 3627.5/22

Right Out: 3.758 ± 0.268 χ^2/NDF : 320.9/18

Left In: -6.492 ± 0.070 χ^2/NDF : 3250.5/21

Left: -6.284 ± 0.050 χ^2/NDF : 6895.9/44

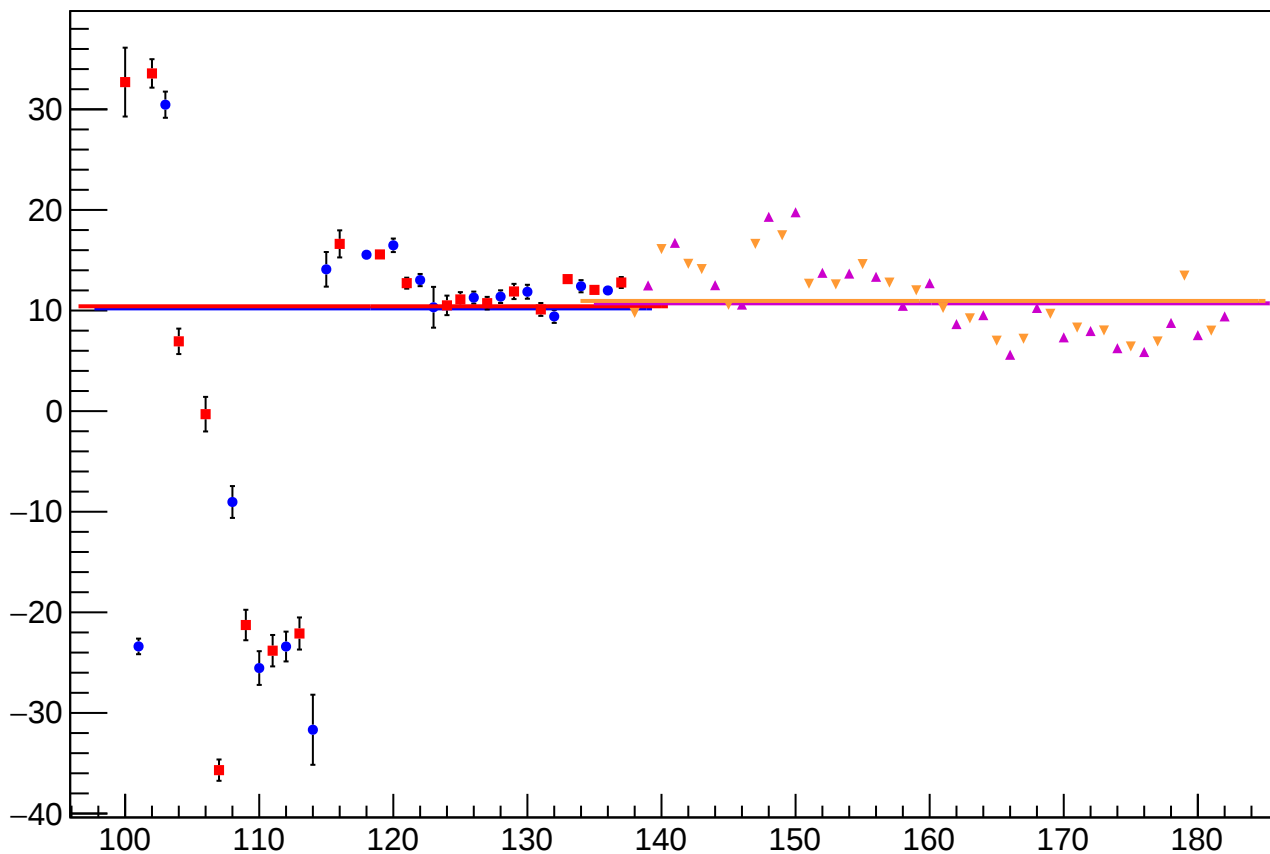
Right: 3.470 ± 0.186 χ^2/NDF : 507.9/35

In: -5.837 ± 0.067 χ^2/NDF : 4738.1/38

Out: -5.432 ± 0.068 χ^2/NDF : 5205.9/41

All: -5.637 ± 0.048 χ^2/NDF : 9961.7/80

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.213+/-0.158 χ^2 /NDF: 3680.0/16

Left Out: 10.955+/-0.064 χ^2 /NDF:2607.1/22

Right Out: 10.422+/-0.160 χ^2 /NDF: 3826.2/18

Left In: 10.716+/-0.064 χ^2 /NDF:3461.9/21

Left: 10.836+/-0.045 χ^2 /NDF: 6076.1/44

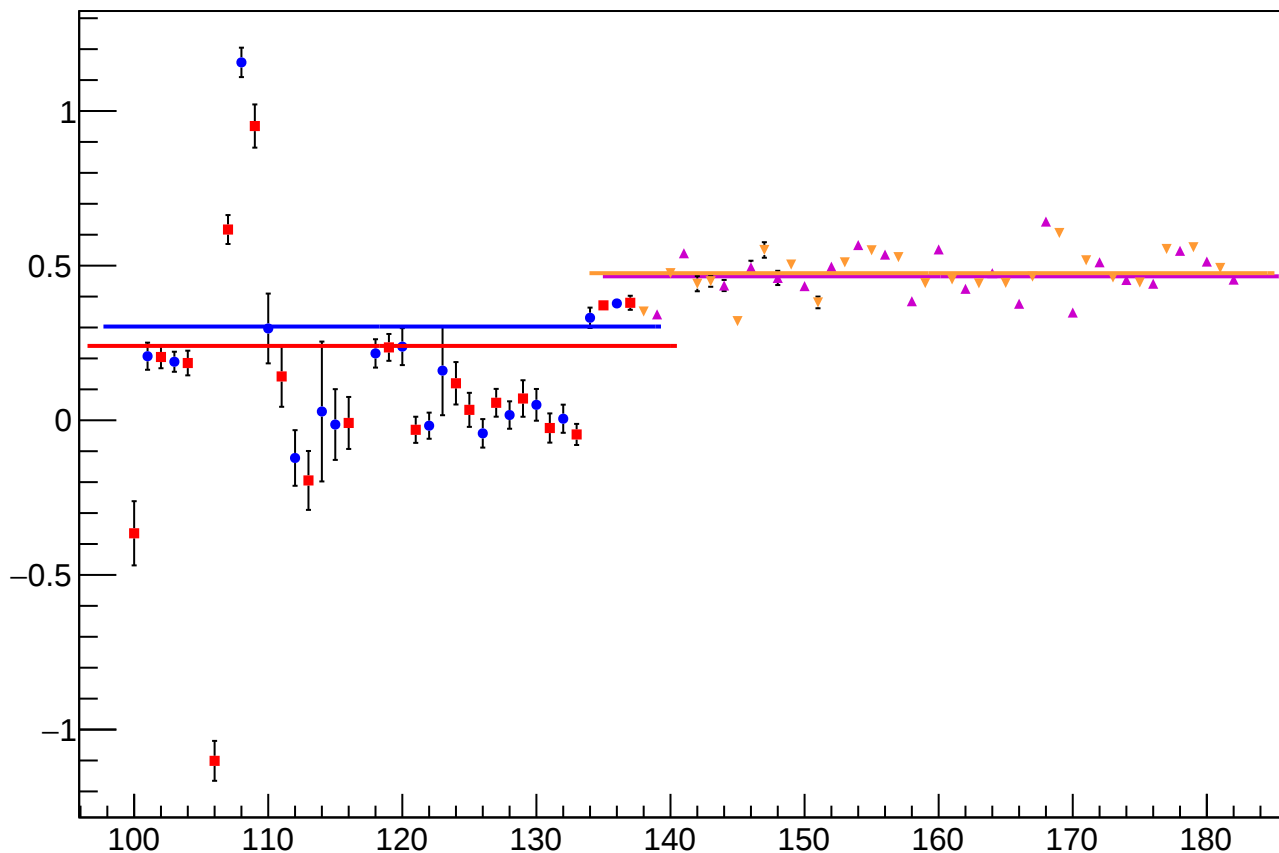
Right: 10.316+/-0.113 χ^2 /NDF: 7507.1/35

In: 10.645+/-0.059 χ^2 /NDF:7150.6/38

Out: 10.882+/-0.059 χ^2 /NDF:6442.9/41

All: 10.764+/-0.042 χ^2 /NDF: 13601.5/80

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 647.2/16

Left Out: 0.476 ± 0.003 χ^2/NDF : 498.4/22

Right Out: 0.240 ± 0.009 χ^2/NDF : 983.3/18

Left In: 0.465 ± 0.003 χ^2/NDF : 726.9/21

Left: 0.470 ± 0.002 χ^2/NDF : 1231.7/44

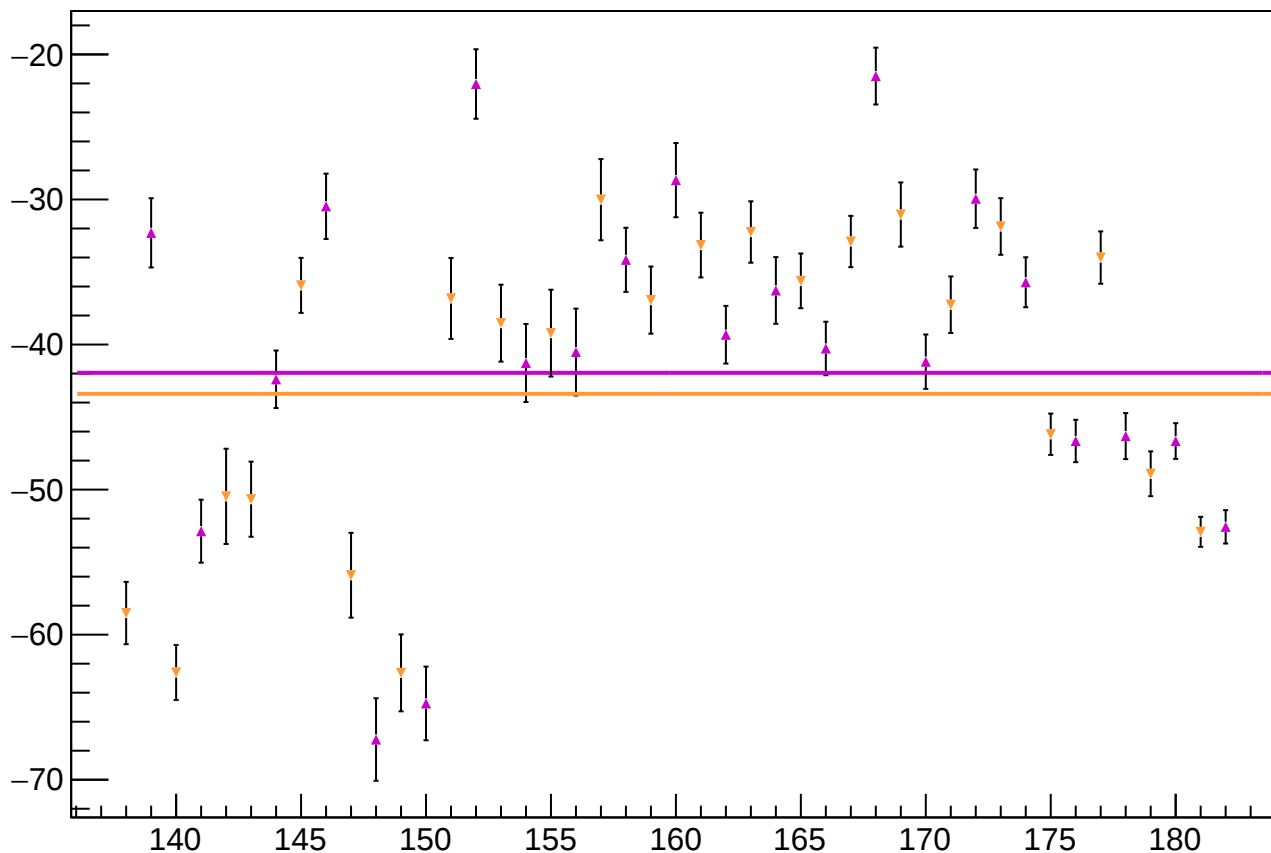
Right: 0.273 ± 0.006 χ^2/NDF : 1658.4/35

In: 0.448 ± 0.003 χ^2/NDF : 1723.0/38

Out: 0.452 ± 0.003 χ^2/NDF : 2163.8/41

All: 0.450 ± 0.002 χ^2/NDF : 3887.5/80

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -43.397+/-0.412 χ^2/NDF :598.4/22

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

Left In: -41.950+/-0.407 χ^2/NDF :620.1/21

Left: -42.664+/-0.290 χ^2/NDF : 1224.7/44

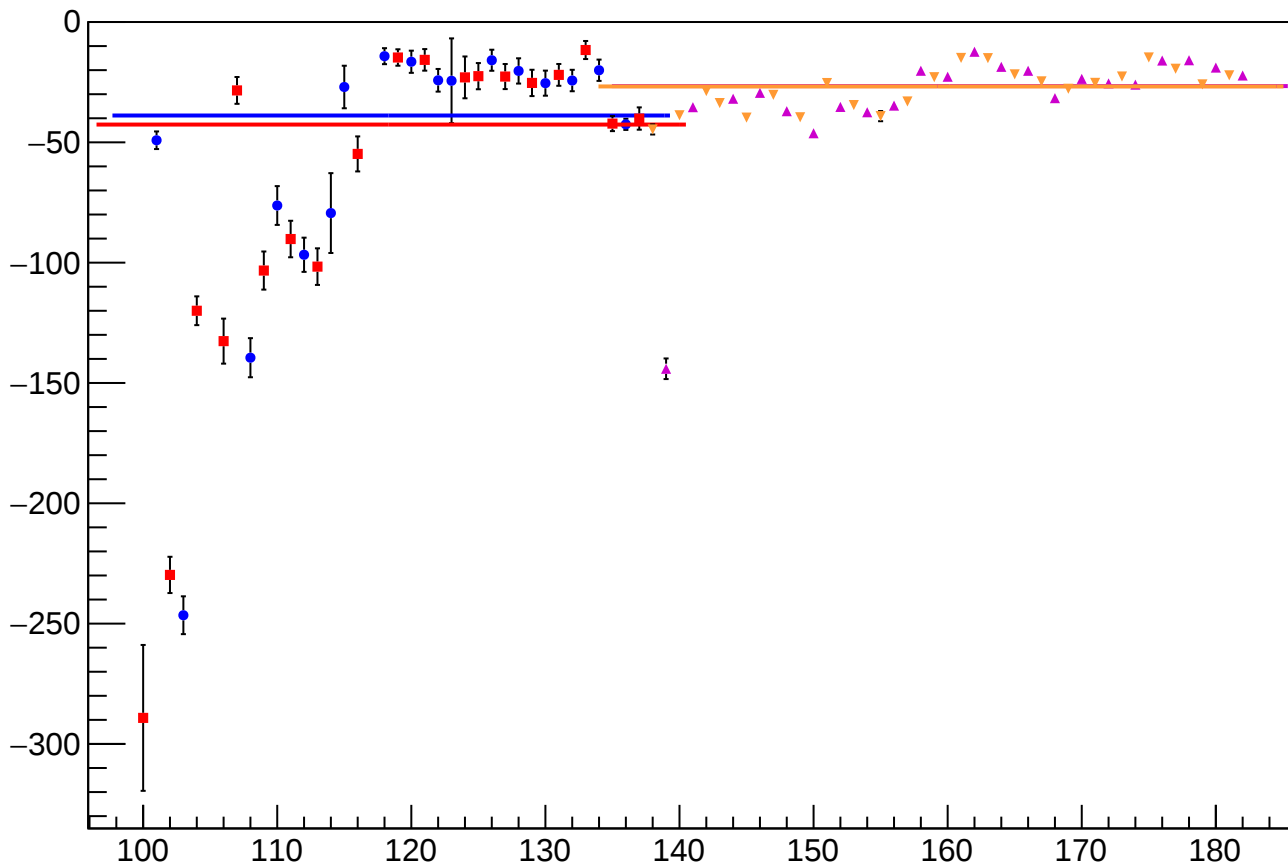
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -41.950+/-0.407 χ^2/NDF :620.1/21

Out: -43.397+/-0.412 χ^2/NDF :598.4/22

All: -42.664+/-0.290 χ^2/NDF : 1224.7/44

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.852 ± 1.150 $\chi^2/\text{NDF}: 1121.7/16$

Left Out: -26.776 ± 0.330 $\chi^2/\text{NDF}: 601.5/22$

Right Out: -42.616 ± 1.212 $\chi^2/\text{NDF}: 1345.6/18$

Left In: -26.624 ± 0.331 $\chi^2/\text{NDF}: 1386.5/21$

Left: -26.700 ± 0.233 $\chi^2/\text{NDF}: 1988.1/44$

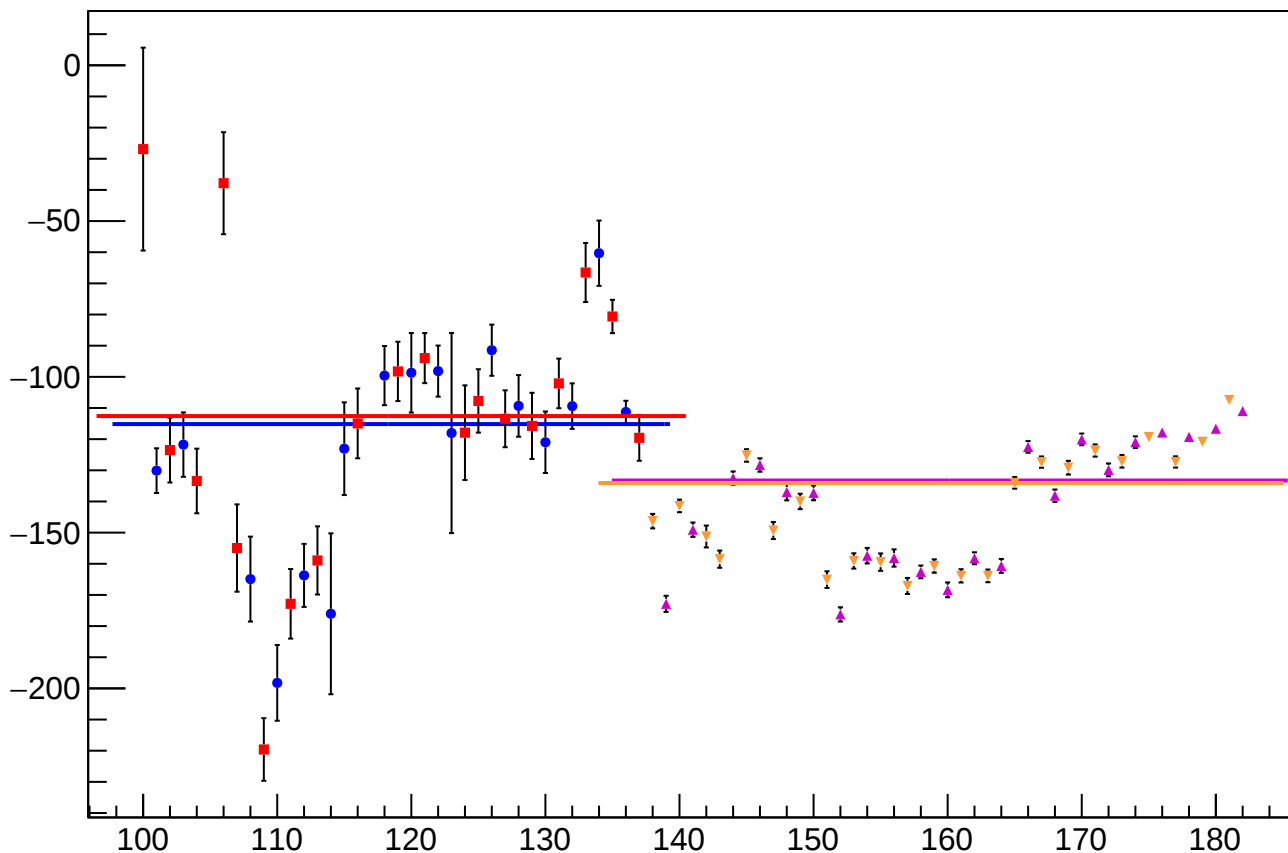
Right: -40.635 ± 0.834 $\chi^2/\text{NDF}: 2472.4/35$

In: -27.558 ± 0.318 $\chi^2/\text{NDF}: 2612.7/38$

Out: -27.867 ± 0.318 $\chi^2/\text{NDF}: 2106.2/41$

All: -27.712 ± 0.225 $\chi^2/\text{NDF}: 4719.4/80$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Left: -133.671 ± 0.290 $\chi^2/\text{NDF}: 4539.8/44$

Right: -113.952 ± 1.517 $\chi^2/\text{NDF}: 413.6/35$

In: -132.611 ± 0.399 $\chi^2/\text{NDF}: 2632.3/38$

Out: -133.356 ± 0.407 $\chi^2/\text{NDF}: 2482.3/41$

All: -132.976 ± 0.285 $\chi^2/\text{NDF}: 5116.3/80$

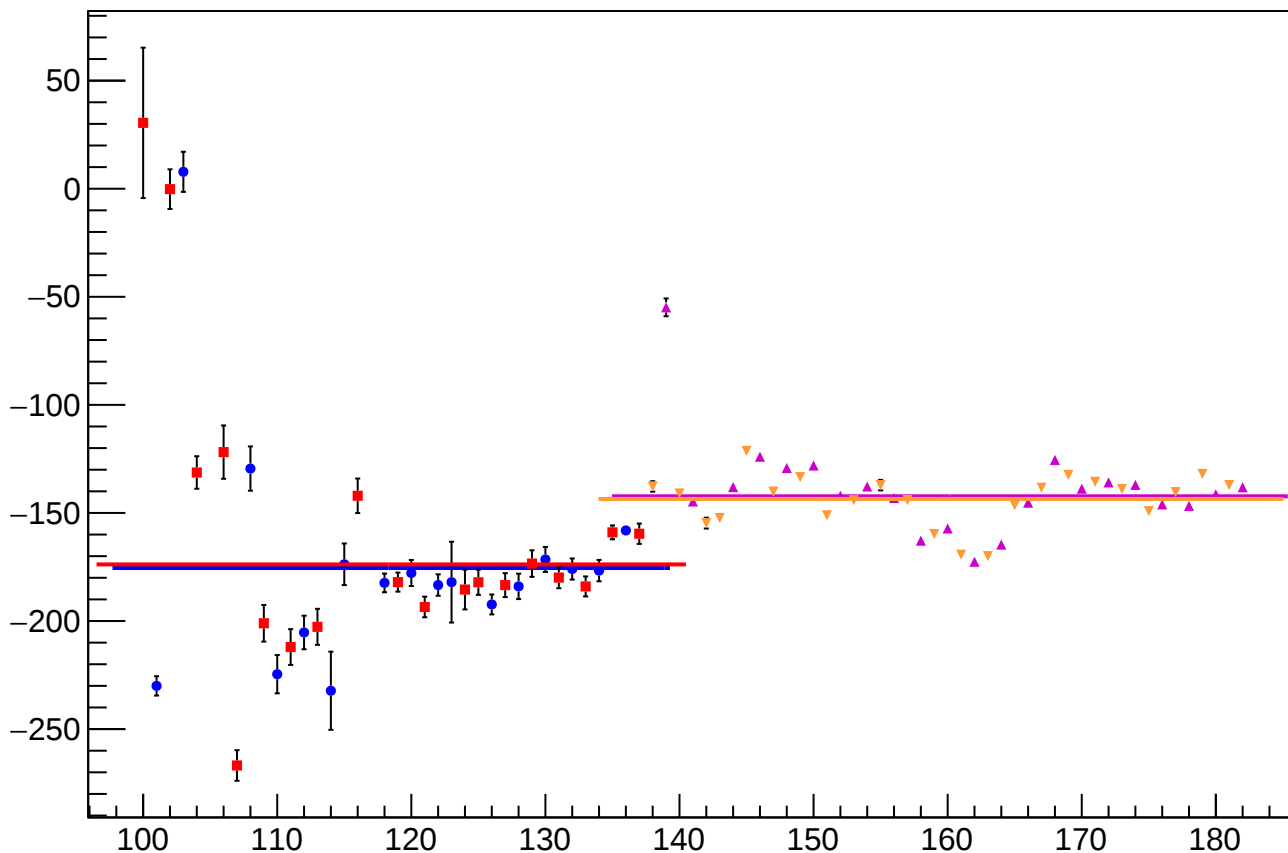
Right In: -115.163 ± 2.084 $\chi^2/\text{NDF}: 140.5/16$

Left Out: -134.081 ± 0.414 $\chi^2/\text{NDF}: 2118.8/22$

Right Out: -112.587 ± 2.213 $\chi^2/\text{NDF}: 272.4/18$

Left In: -133.274 ± 0.406 $\chi^2/\text{NDF}: 2419.0/21$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.476 ± 1.279 χ^2/NDF : 691.2/16

Left Out: -143.520 ± 0.370 χ^2/NDF : 1015.3/22

Right Out: -173.809 ± 1.359 χ^2/NDF : 738.0/18

Left In: -142.303 ± 0.369 χ^2/NDF : 1490.7/21

Left: -142.909 ± 0.261 χ^2/NDF : 2511.3/44

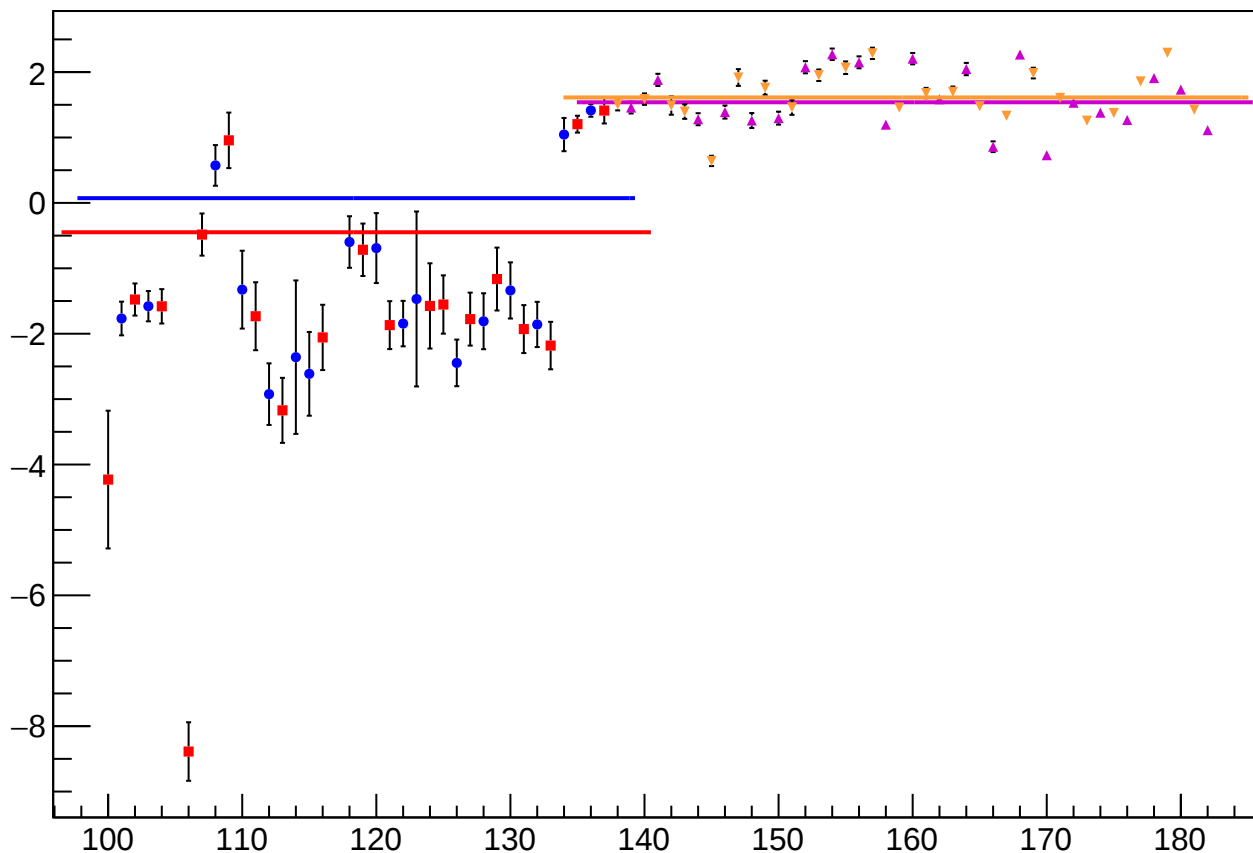
Right: -174.693 ± 0.931 χ^2/NDF : 1430.0/35

In: -144.851 ± 0.354 χ^2/NDF : 2803.1/38

Out: -145.616 ± 0.357 χ^2/NDF : 2215.7/41

All: -145.230 ± 0.252 χ^2/NDF : 5021.2/80

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.073 $\pm$ 0.067 χ^2/NDF : 525.2/16

Left Out: 1.612 $\pm$ 0.017 χ^2/NDF :460.7/22

Right Out: -0.449 $\pm$ 0.071 χ^2/NDF : 750.7/18

Left In: 1.538 $\pm$ 0.017 χ^2/NDF :709.9/21

Left: 1.575 $\pm$ 0.012 χ^2/NDF : 1180.1/44

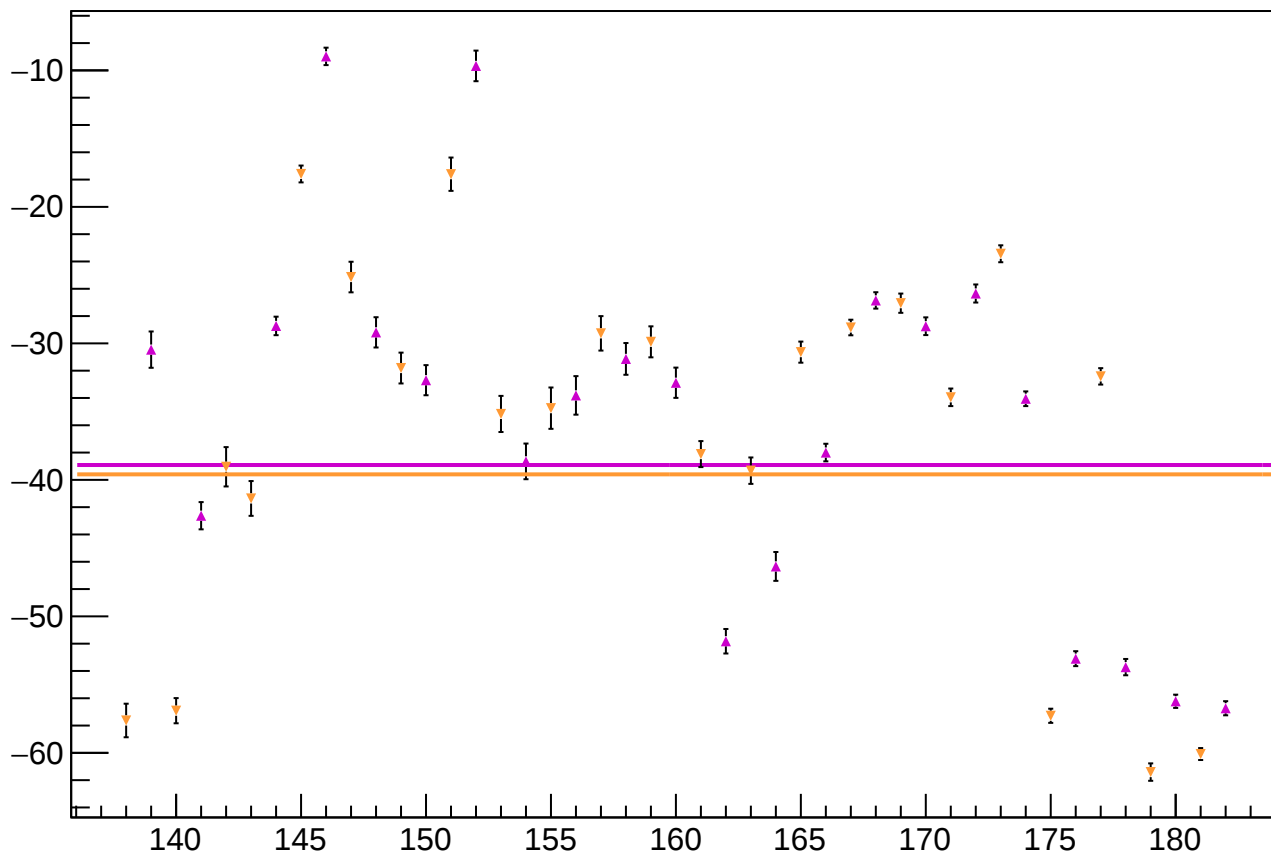
Right: -0.172 $\pm$ 0.049 χ^2/NDF : 1304.2/35

In: 1.453 $\pm$ 0.016 χ^2/NDF :1683.0/38

Out: 1.501 $\pm$ 0.017 χ^2/NDF :1999.9/41

All: 1.476 $\pm$ 0.012 χ^2/NDF : 3687.3/80

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -39.596+/-0.162 χ^2/NDF : 8772.9/22

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

Left In: -38.911+/-0.157 χ^2/NDF : 8446.8/21

Left: -39.243+/-0.112 χ^2/NDF : 17228.9/44

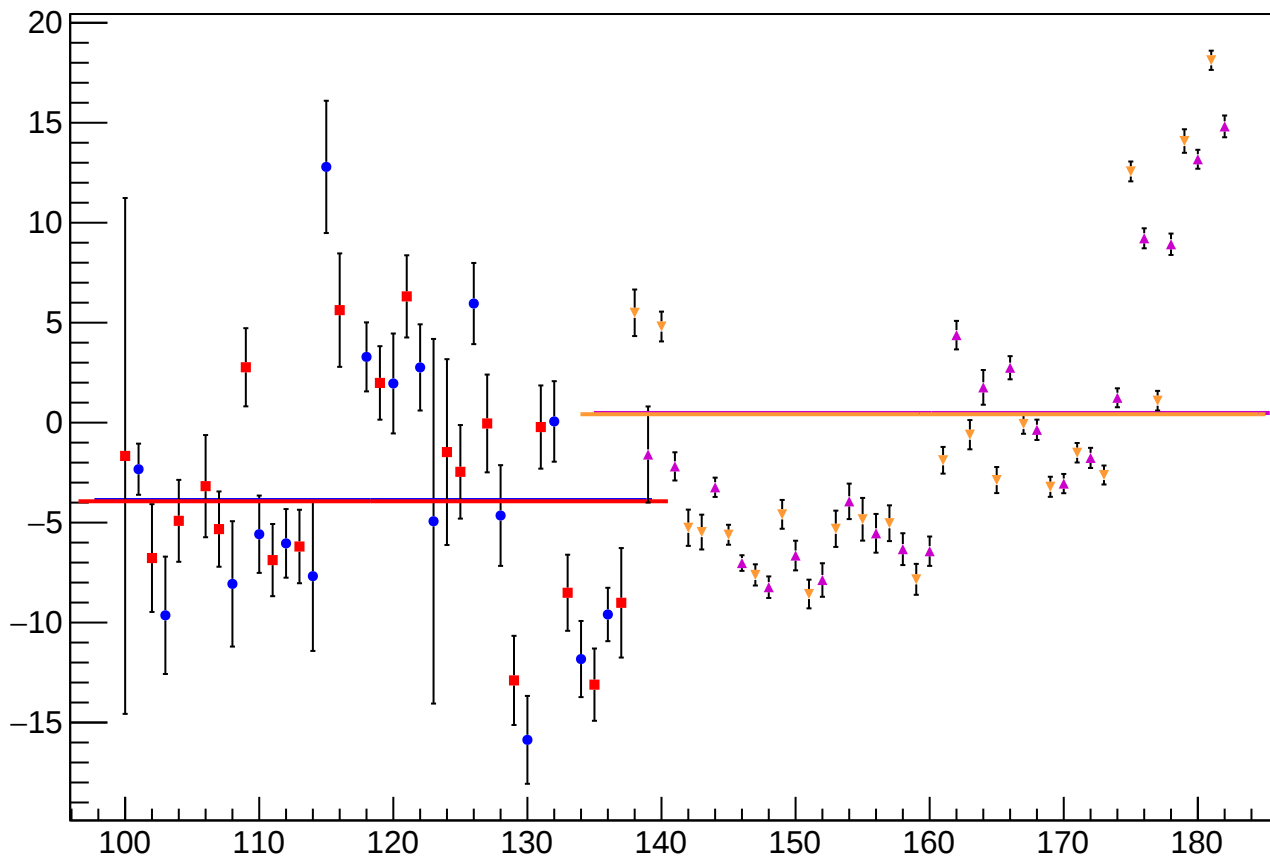
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.911+/-0.157 χ^2/NDF : 8446.8/21

Out: -39.596+/-0.162 χ^2/NDF : 8772.9/22

All: -39.243+/-0.112 χ^2/NDF : 17228.9/44

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.872 ± 0.499 χ^2/NDF : 161.0/16

Left Out: 0.421 ± 0.129 χ^2/NDF : 3576.6/22

Right Out: -3.933 ± 0.508 χ^2/NDF : 122.0/18

Left In: 0.484 ± 0.125 χ^2/NDF : 3212.8/21

Left: 0.453 ± 0.090 χ^2/NDF : 6789.5/44

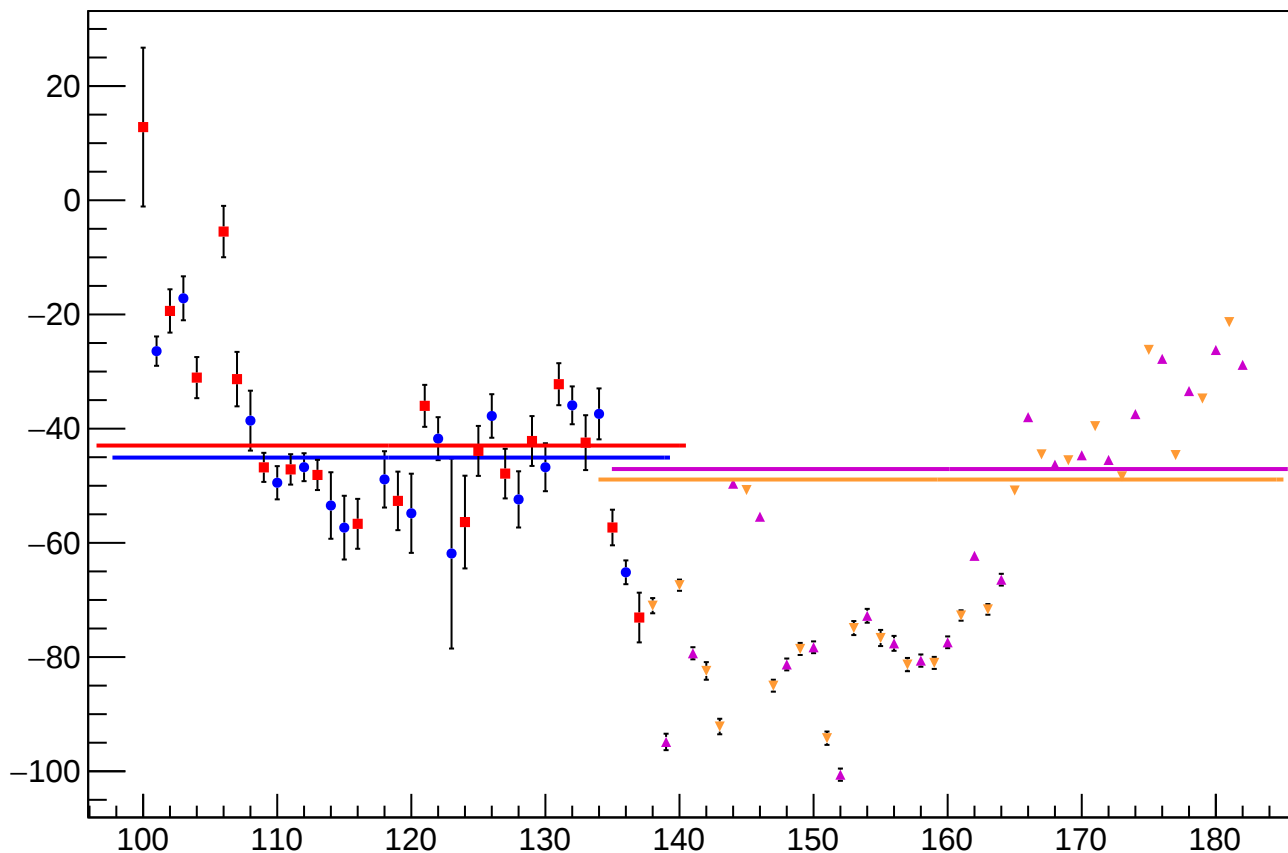
Right: -3.902 ± 0.356 χ^2/NDF : 283.0/35

In: 0.226 ± 0.122 χ^2/NDF : 3445.4/38

Out: 0.157 ± 0.125 χ^2/NDF : 3767.8/41

All: 0.192 ± 0.087 χ^2/NDF : 7213.3/80

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.063 ± 0.885 χ^2/NDF : 230.3/16

Left Out: -48.908 ± 0.163 χ^2/NDF : 15857.9/22

Right Out: -42.956 ± 0.879 χ^2/NDF : 248.1/18

Left In: -47.072 ± 0.157 χ^2/NDF : 15514.9/21

Left: -47.958 ± 0.113 χ^2/NDF : 31438.7/44

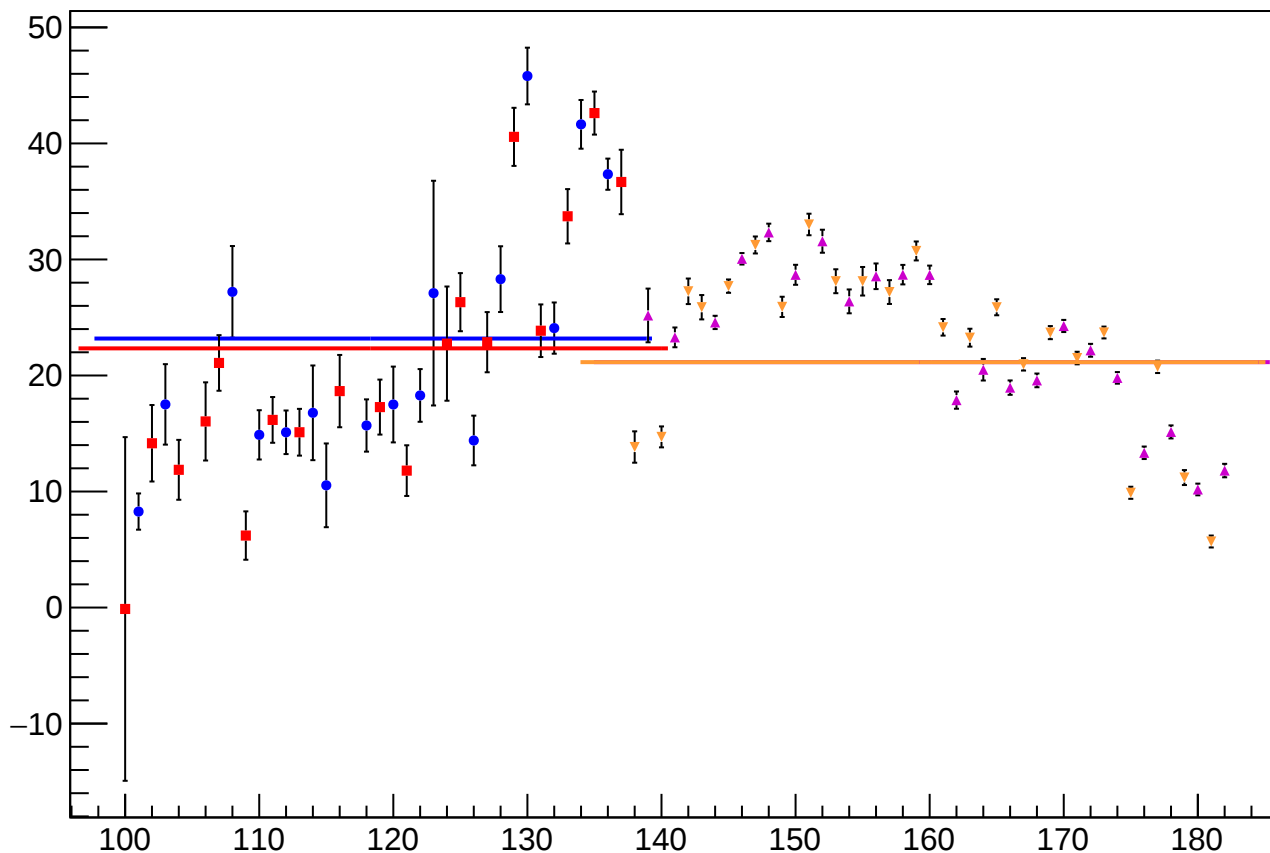
Right: -44.003 ± 0.624 χ^2/NDF : 481.3/35

In: -47.011 ± 0.155 χ^2/NDF : 15750.3/38

Out: -48.711 ± 0.160 χ^2/NDF : 16150.3/41

All: -47.833 ± 0.111 χ^2/NDF : 31959.0/80

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.185 $\pm$ 0.560 χ^2 /NDF: 456.9/16

Left Out: 21.150 $\pm$ 0.145 χ^2 /NDF:2617.7/22

Right Out: 22.337 $\pm$ 0.574 χ^2 /NDF: 366.3/18

Left In: 21.151 $\pm$ 0.141 χ^2 /NDF:2158.0/21

Left: 21.150 $\pm$ 0.101 χ^2 /NDF: 4775.8/44

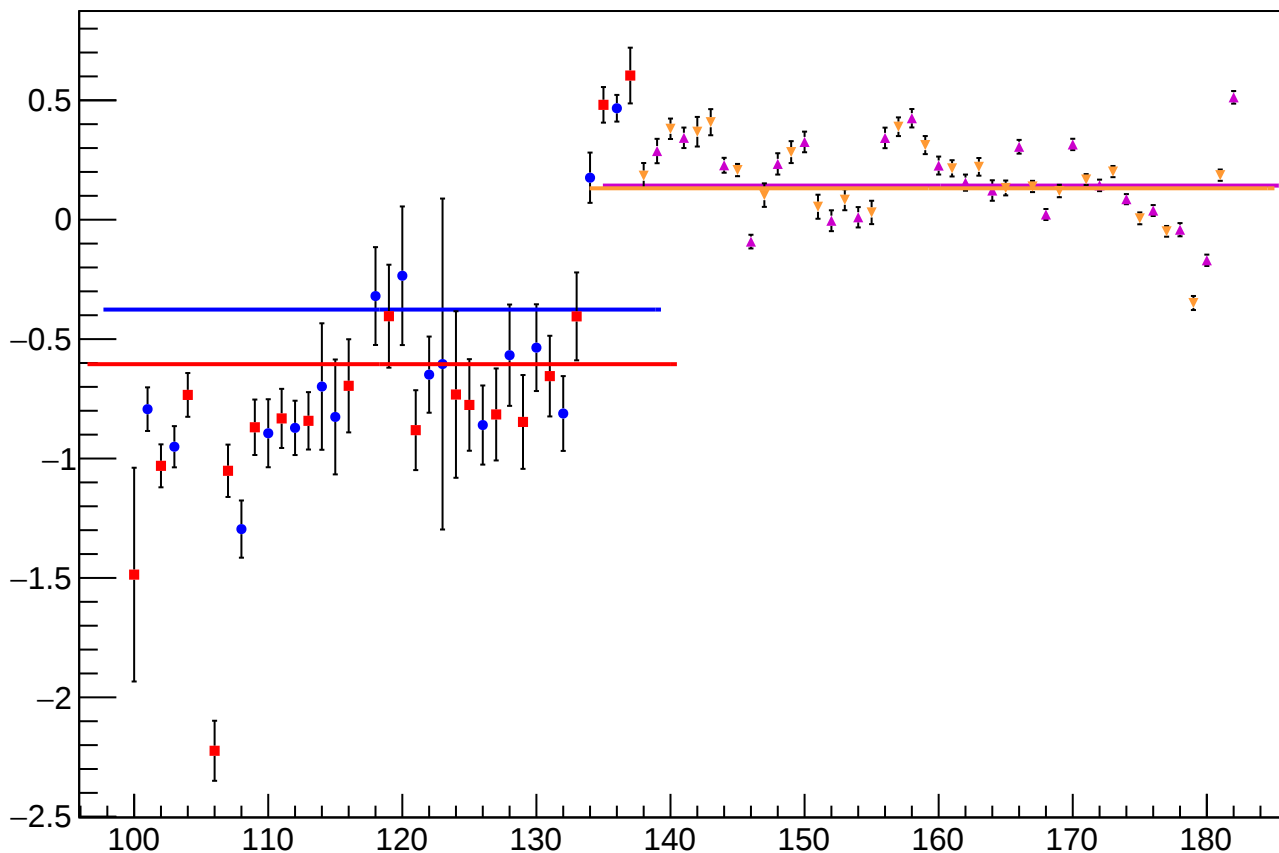
Right: 22.771 $\pm$ 0.401 χ^2 /NDF: 824.4/35

In: 21.272 $\pm$ 0.137 χ^2 /NDF:2627.4/38

Out: 21.221 $\pm$ 0.140 χ^2 /NDF:2988.1/41

All: 21.247 $\pm$ 0.098 χ^2 /NDF: 5615.5/80

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.6/16$

Left Out: 0.131 ± 0.007 $\chi^2/\text{NDF}: 555.0/22$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/18$

Left In: 0.143 ± 0.006 $\chi^2/\text{NDF}: 781.3/21$

Left: 0.137 ± 0.005 $\chi^2/\text{NDF}: 1337.9/44$

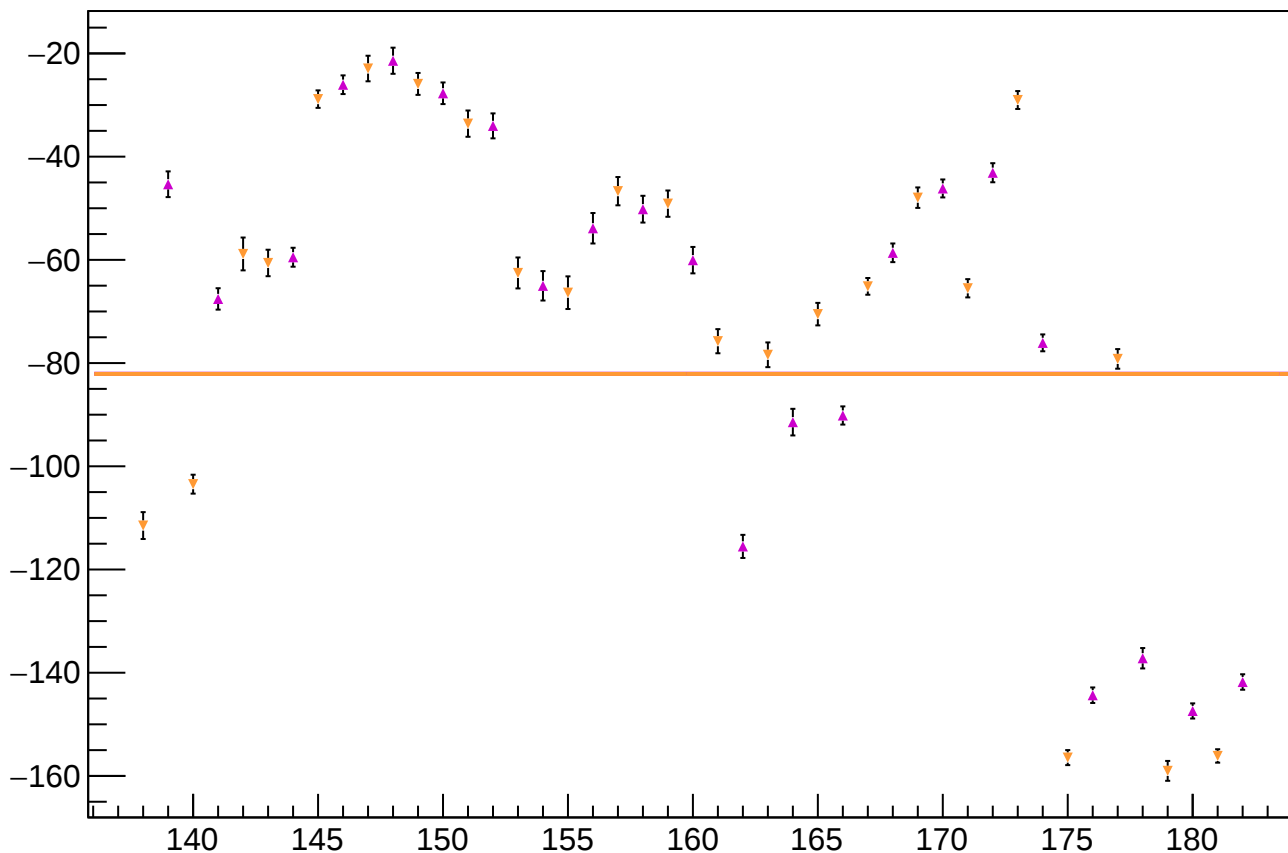
Right: -0.490 ± 0.021 $\chi^2/\text{NDF}: 1017.5/35$

In: 0.120 ± 0.006 $\chi^2/\text{NDF}: 1502.3/38$

Out: 0.098 ± 0.006 $\chi^2/\text{NDF}: 1671.6/41$

All: 0.109 ± 0.005 $\chi^2/\text{NDF}: 3179.9/80$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -82.104 $\pm$ 0.425 χ^2/NDF :12325.1/22

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

Left In: -82.069 $\pm$ 0.420 χ^2/NDF :10738.5/21

Left: -82.087 $\pm$ 0.299 χ^2/NDF : 23063.6/44

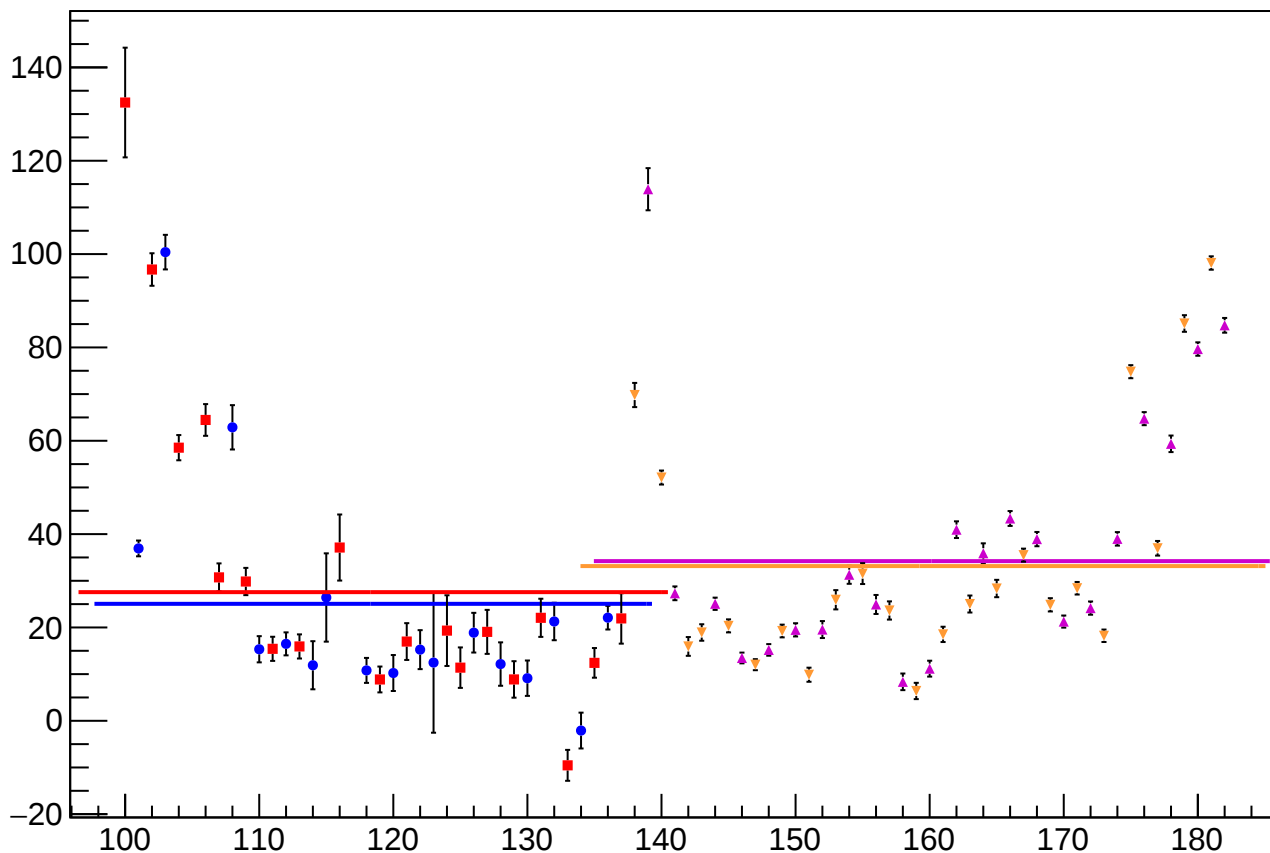
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -82.069 $\pm$ 0.420 χ^2/NDF :10738.5/21

Out: -82.104 $\pm$ 0.425 χ^2/NDF :12325.1/22

All: -82.087 $\pm$ 0.299 χ^2/NDF : 23063.6/44

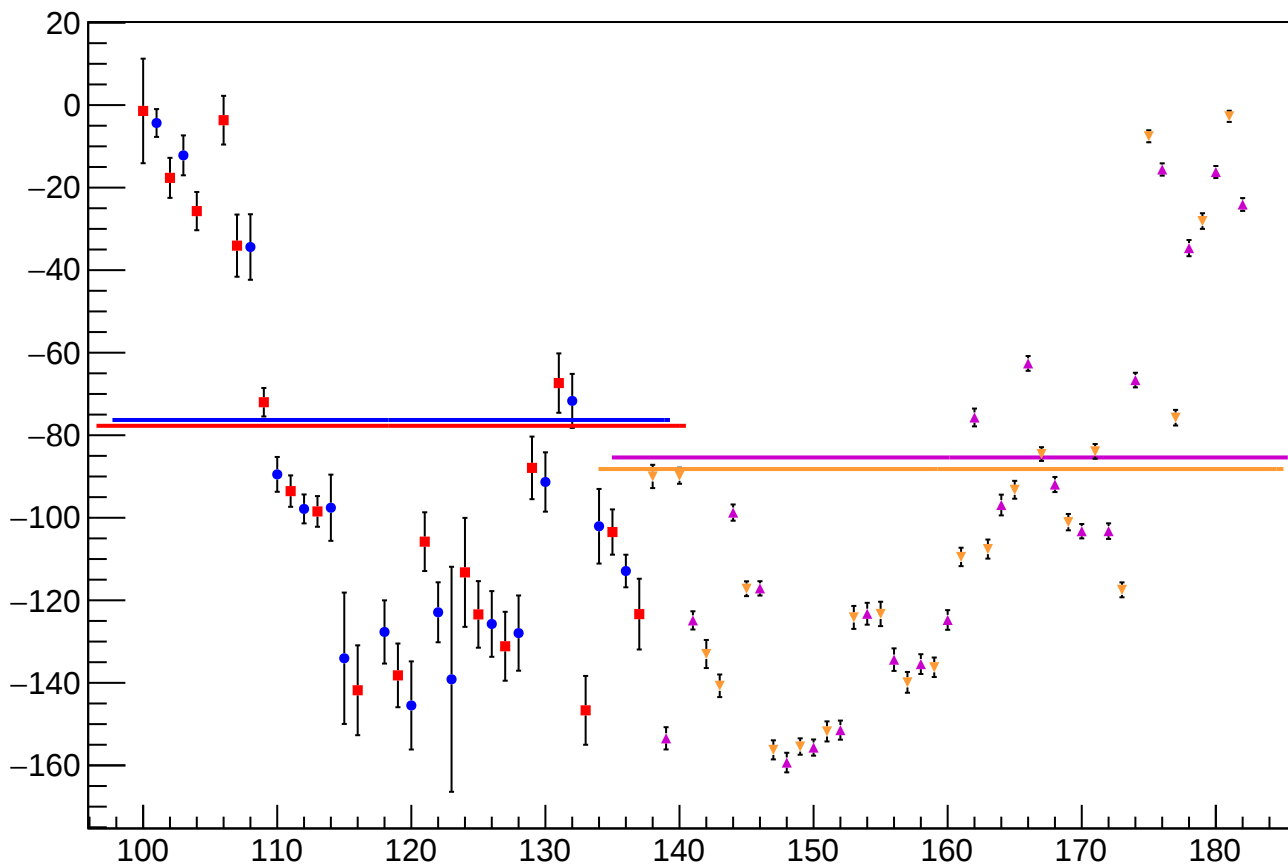
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.063 $\pm$ 0.808 χ^2 /NDF: 686.5/16
 Left Out: 33.150 $\pm$ 0.330 χ^2 /NDF: 5584.4/22
 Right Out: 27.568 $\pm$ 0.811 χ^2 /NDF: 1013.6/18
 Left In: 34.214 $\pm$ 0.332 χ^2 /NDF: 4447.3/21

Left: 33.679 $\pm$ 0.234 χ^2 /NDF: 10036.8/44
 Right: 26.311 $\pm$ 0.572 χ^2 /NDF: 1704.9/35
 In: 32.893 $\pm$ 0.307 χ^2 /NDF: 5243.7/38
 Out: 32.357 $\pm$ 0.306 χ^2 /NDF: 6638.6/41
 All: 32.624 $\pm$ 0.216 χ^2 /NDF: 11883.8/80

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.304 ± 1.419 $\chi^2/\text{NDF}: 1030.8/16$

Left Out: -88.191 ± 0.425 $\chi^2/\text{NDF}: 13233.6/22$

Right Out: -77.715 ± 1.354 $\chi^2/\text{NDF}: 872.3/18$

Left In: -85.384 ± 0.419 $\chi^2/\text{NDF}: 12824.2/21$

Left: -86.767 ± 0.299 $\chi^2/\text{NDF}: 26079.9/44$

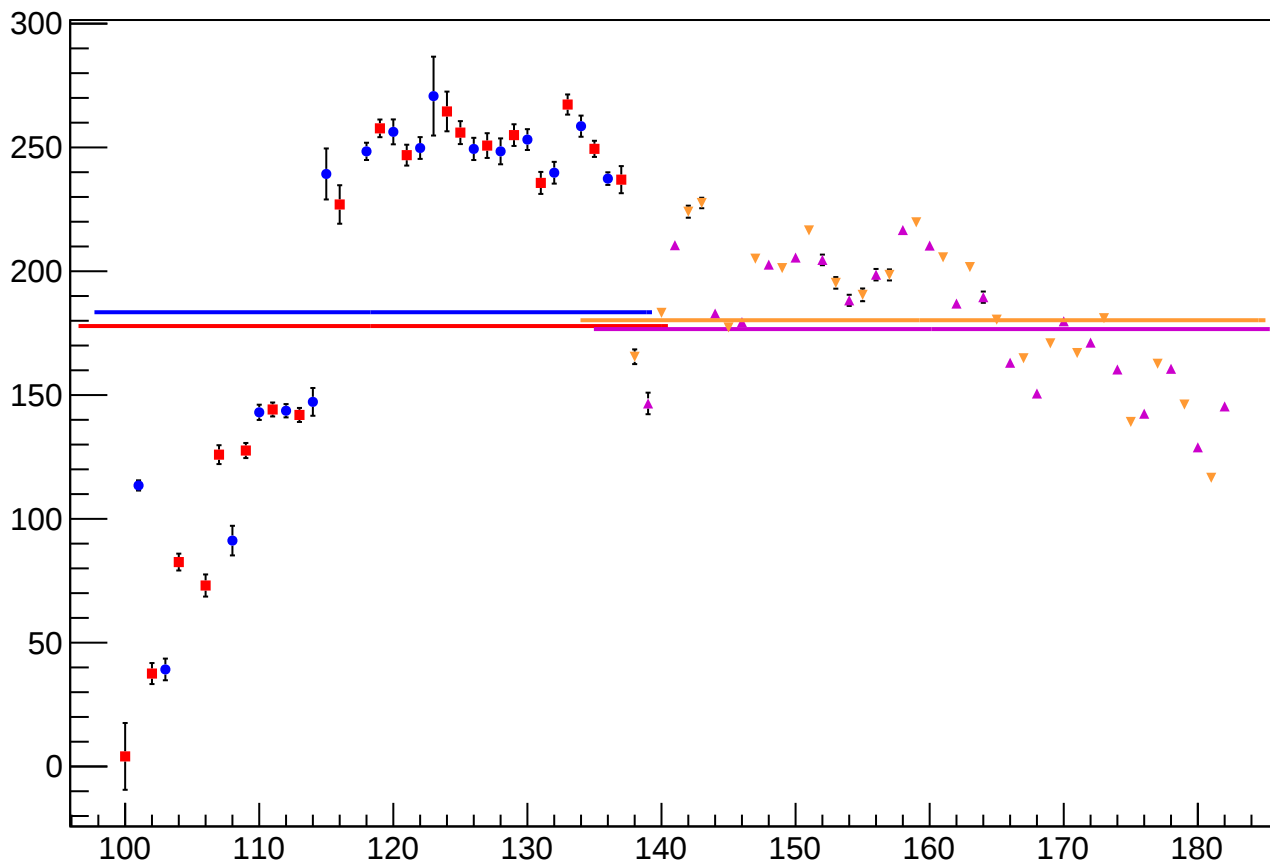
Right: -77.043 ± 0.980 $\chi^2/\text{NDF}: 1903.7/35$

In: -84.655 ± 0.402 $\chi^2/\text{NDF}: 13892.7/38$

Out: -87.249 ± 0.406 $\chi^2/\text{NDF}: 14160.4/41$

All: -85.940 ± 0.286 $\chi^2/\text{NDF}: 28073.7/80$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.448+/-0.920 χ^2/NDF : 5318.3/16

Left Out: 180.221+/-0.374 χ^2/NDF : 5649.1/22

Right Out: 177.868+/-0.925 χ^2/NDF : 6336.5/18

Left In: 176.642+/-0.374 χ^2/NDF : 4420.5/21

Left: 178.431+/-0.264 χ^2/NDF : 10115.4/44

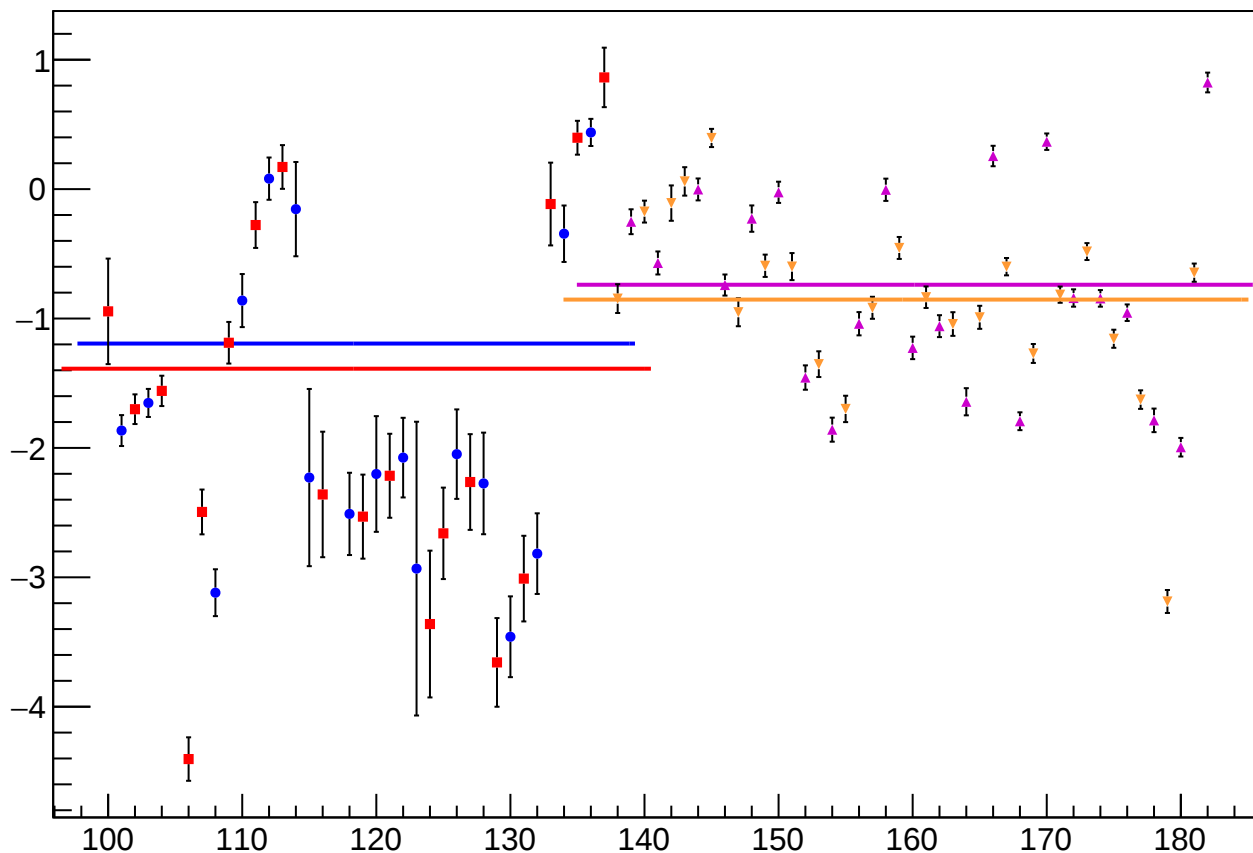
Right: 180.673+/-0.652 χ^2/NDF : 11673.1/35

In: 177.607+/-0.346 χ^2/NDF : 9785.7/38

Out: 179.890+/-0.347 χ^2/NDF : 11991.2/41

All: 178.748+/-0.245 χ^2/NDF : 21798.6/80

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 620.4/16

Left Out: -0.854 ± 0.017 χ^2/NDF : 1532.4/22

Right Out: -1.388 ± 0.046 χ^2/NDF : 919.4/18

Left In: -0.739 ± 0.017 χ^2/NDF : 2182.1/21

Left: -0.796 ± 0.012 χ^2/NDF : 3736.8/44

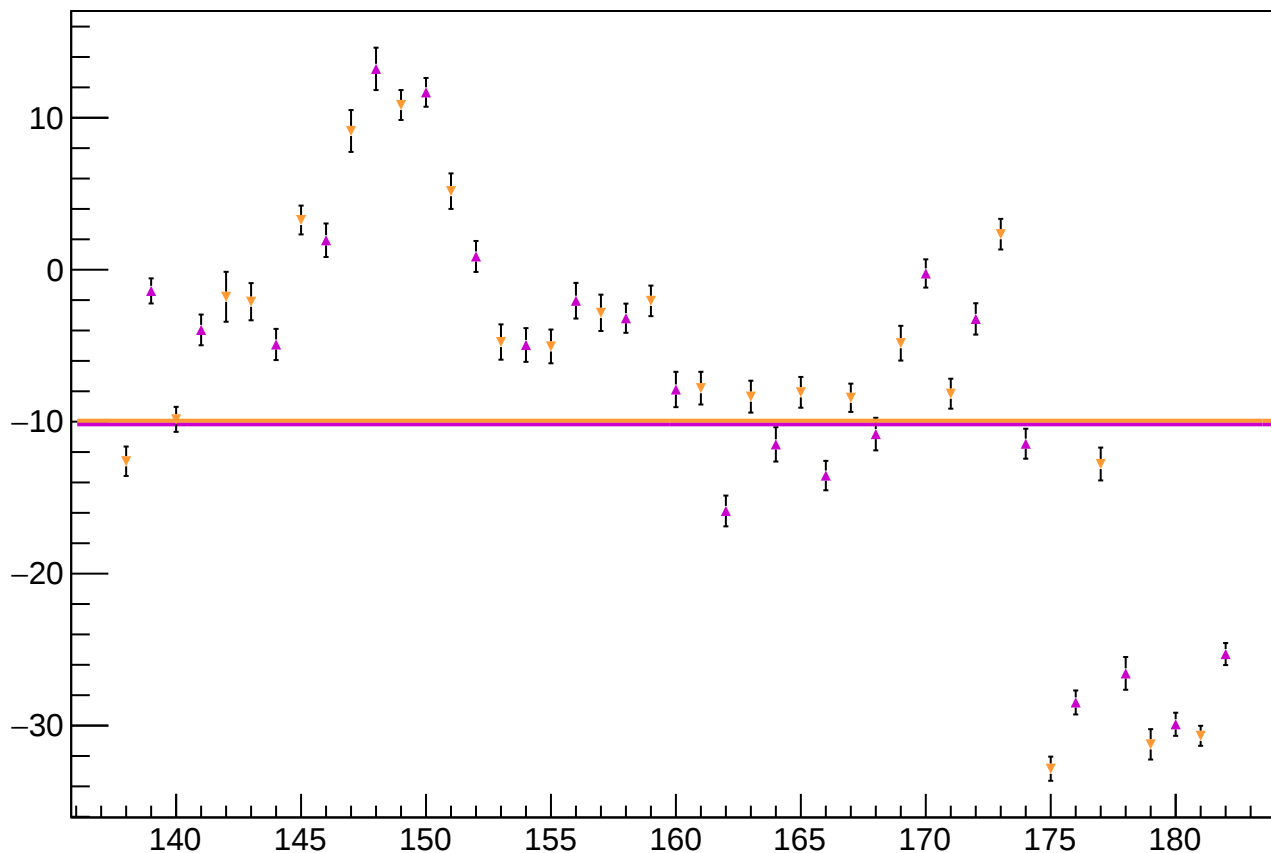
Right: -1.295 ± 0.033 χ^2/NDF : 1548.3/35

In: -0.790 ± 0.016 χ^2/NDF : 2881.4/38

Out: -0.920 ± 0.016 χ^2/NDF : 2570.7/41

All: -0.854 ± 0.011 χ^2/NDF : 5484.8/80

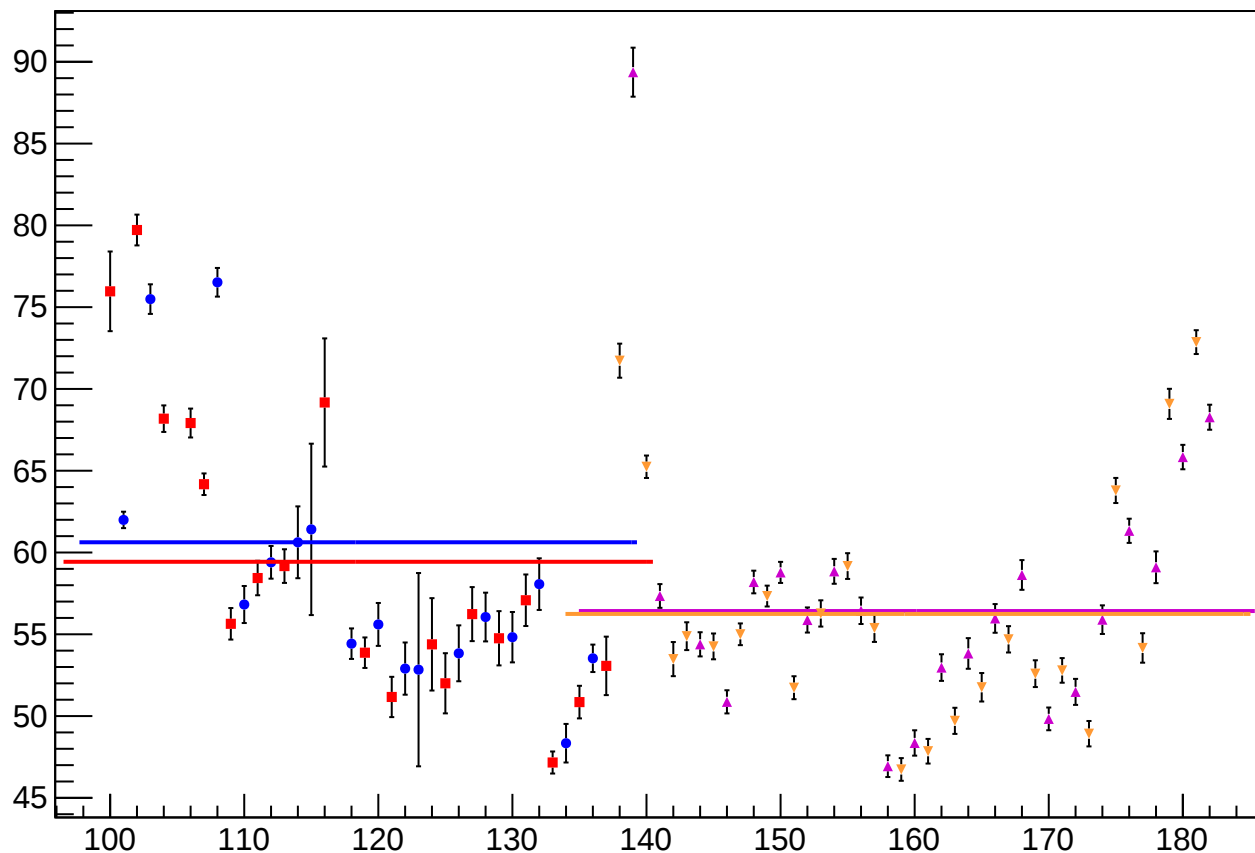
reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.935+/-0.210 χ^2/NDF : 3676.1/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -10.175+/-0.208 χ^2/NDF : 3439.0/21

Left: -10.057+/-0.148 χ^2/NDF : 7115.8/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -10.175+/-0.208 χ^2/NDF : 3439.0/21
 Out: -9.935+/-0.210 χ^2/NDF : 3676.1/22
 All: -10.057+/-0.148 χ^2/NDF : 7115.8/44

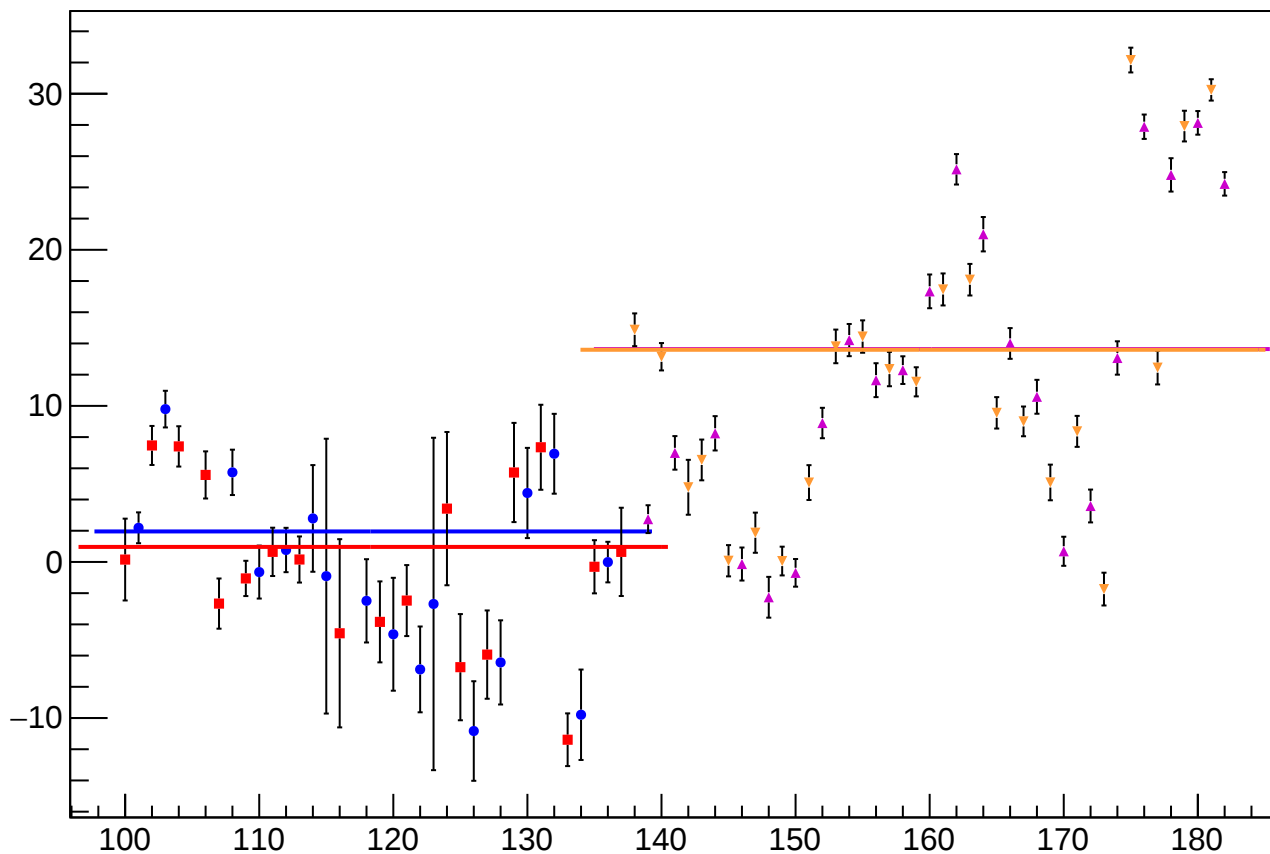
reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.626 ± 0.263 $\chi^2/\text{NDF}: 924.5/16$
 Left Out: 56.245 ± 0.163 $\chi^2/\text{NDF}: 1827.3/22$
 Right Out: 59.433 ± 0.248 $\chi^2/\text{NDF}: 1325.2/18$
 Left In: 56.422 ± 0.167 $\chi^2/\text{NDF}: 1509.3/21$

Left: 56.331 ± 0.117 $\chi^2/\text{NDF}: 3337.2/44$
 Right: 59.993 ± 0.181 $\chi^2/\text{NDF}: 2260.6/35$
 In: 57.623 ± 0.141 $\chi^2/\text{NDF}: 2615.9/38$
 Out: 57.210 ± 0.136 $\chi^2/\text{NDF}: 3267.8/41$
 All: 57.410 ± 0.098 $\chi^2/\text{NDF}: 5888.1/80$

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.955 ± 0.459 χ^2/NDF : 120.2/16

Left Out: 13.596 ± 0.209 χ^2/NDF : 2325.3/22

Right Out: 0.964 ± 0.425 χ^2/NDF : 149.6/18

Left In: 13.641 ± 0.207 χ^2/NDF : 2314.9/21

Left: 13.619 ± 0.147 χ^2/NDF : 4640.2/44

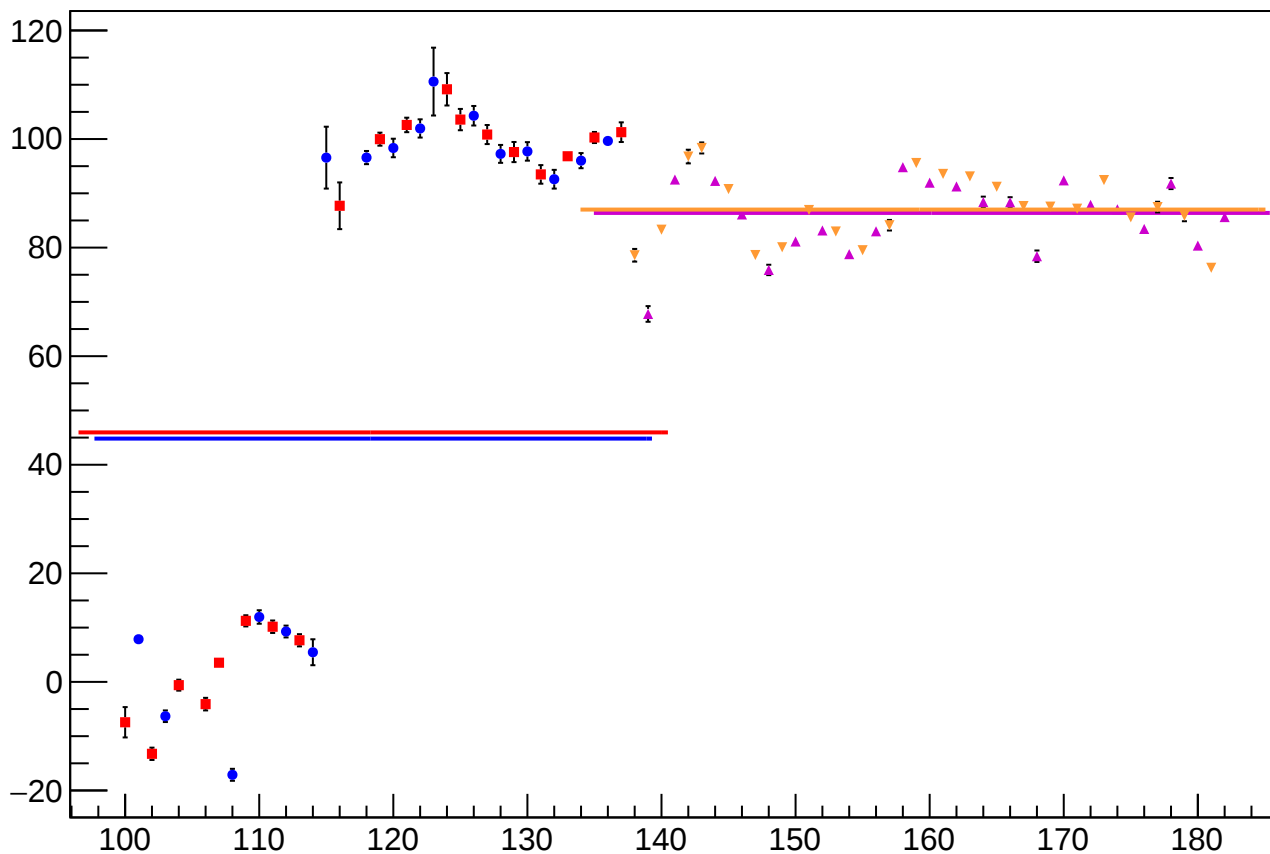
Right: 1.421 ± 0.312 χ^2/NDF : 272.4/35

In: 11.671 ± 0.189 χ^2/NDF : 2973.3/38

Out: 11.124 ± 0.188 χ^2/NDF : 3186.7/41

All: 11.397 ± 0.133 χ^2/NDF : 6164.1/80

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.818 $\pm$ 0.305 χ^2 /NDF: 24700.1/16

Left Out: 87.005 $\pm$ 0.185 χ^2 /NDF:1055.7/22

Right Out: 45.958 $\pm$ 0.290 χ^2 /NDF: 28216.1/18

Left In: 86.388 $\pm$ 0.186 χ^2 /NDF:988.9/21

Left: 86.699 $\pm$ 0.131 χ^2 /NDF: 2050.2/44

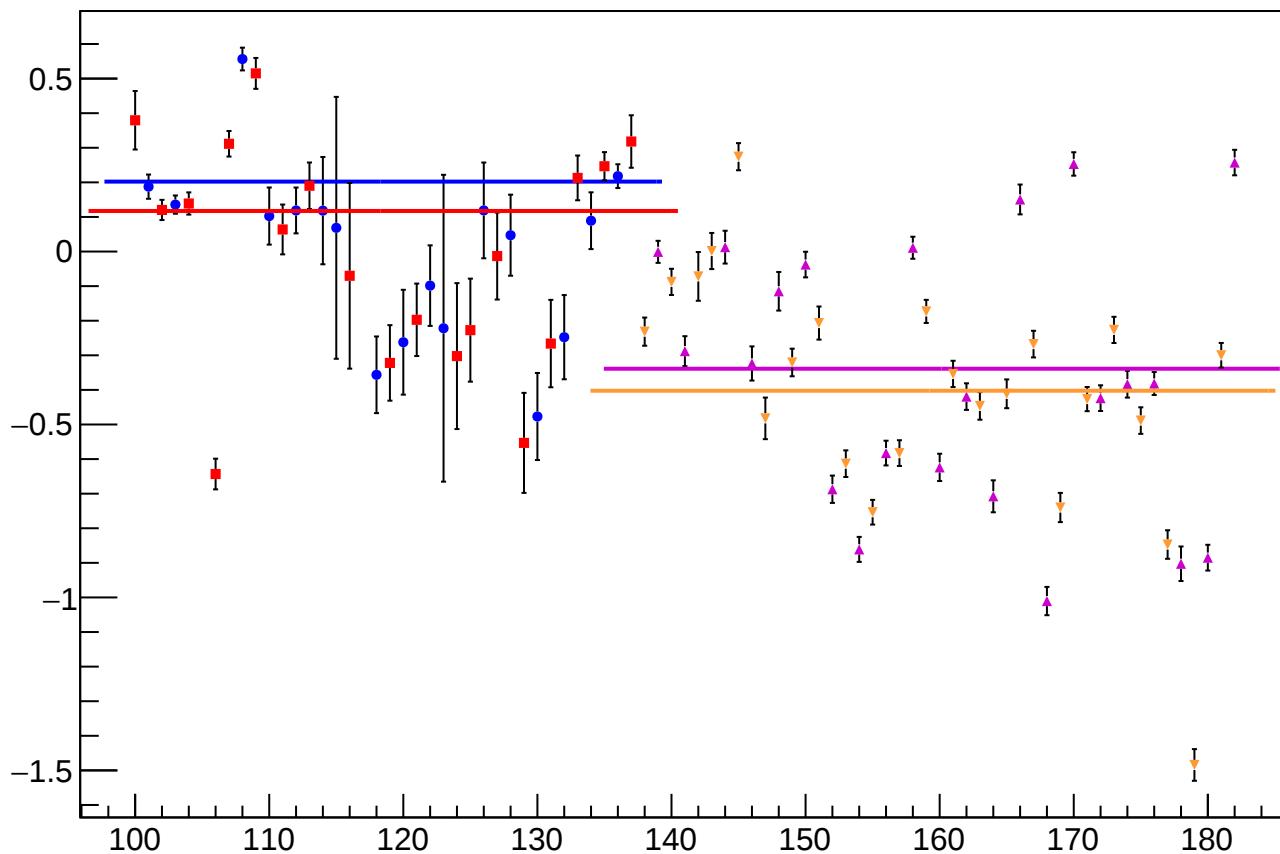
Right: 45.417 $\pm$ 0.210 χ^2 /NDF: 52923.6/35

In: 75.091 $\pm$ 0.159 χ^2 /NDF:39216.5/38

Out: 75.136 $\pm$ 0.156 χ^2 /NDF:43541.3/41

All: 75.114 $\pm$ 0.111 χ^2 /NDF: 82757.9/80

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 215.7/16

Left Out: -0.402 ± 0.008 χ^2/NDF : 1473.3/22

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.1/18

Left In: -0.339 ± 0.008 χ^2/NDF : 2142.5/21

Left: -0.370 ± 0.006 χ^2/NDF : 3644.7/44

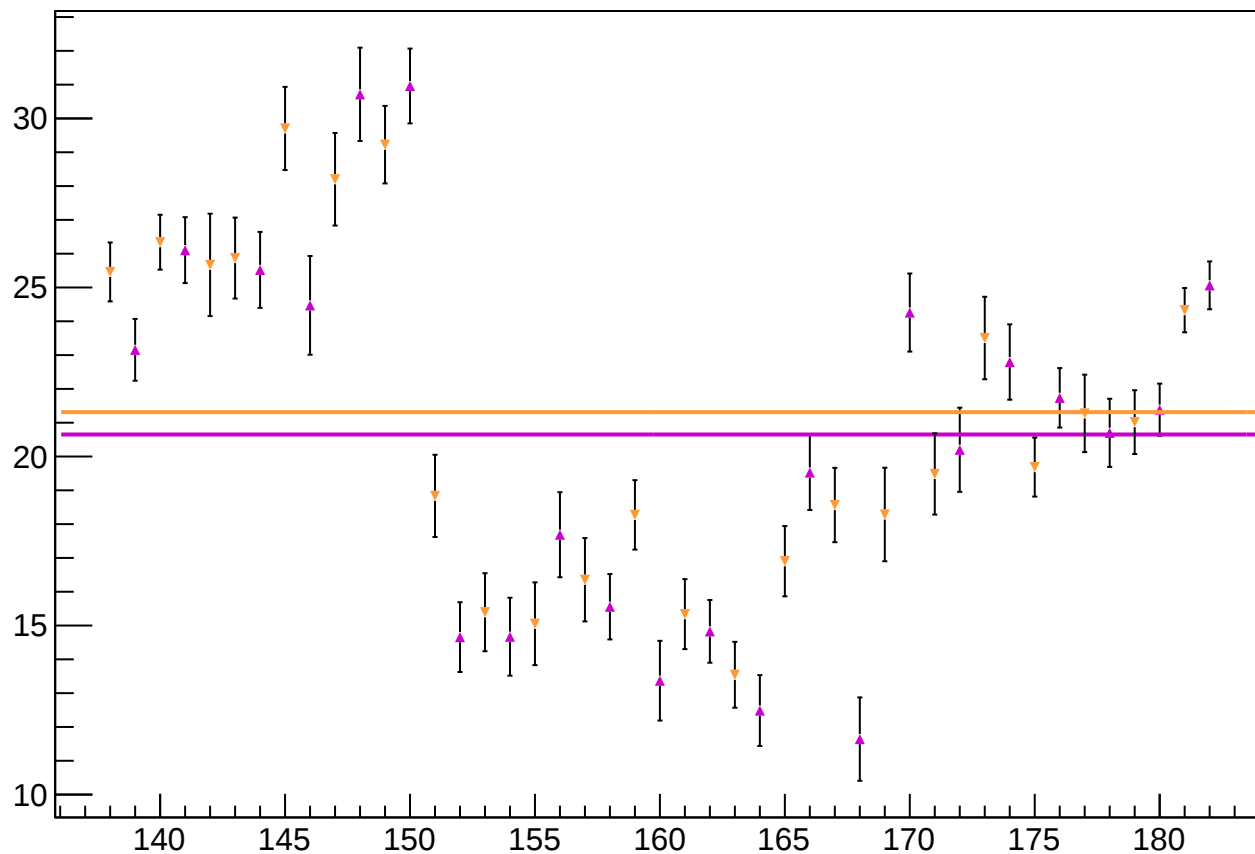
Right: 0.157 ± 0.010 χ^2/NDF : 734.4/35

In: -0.199 ± 0.007 χ^2/NDF : 3456.8/38

Out: -0.249 ± 0.007 χ^2/NDF : 3093.8/41

All: -0.225 ± 0.005 χ^2/NDF : 6575.5/80

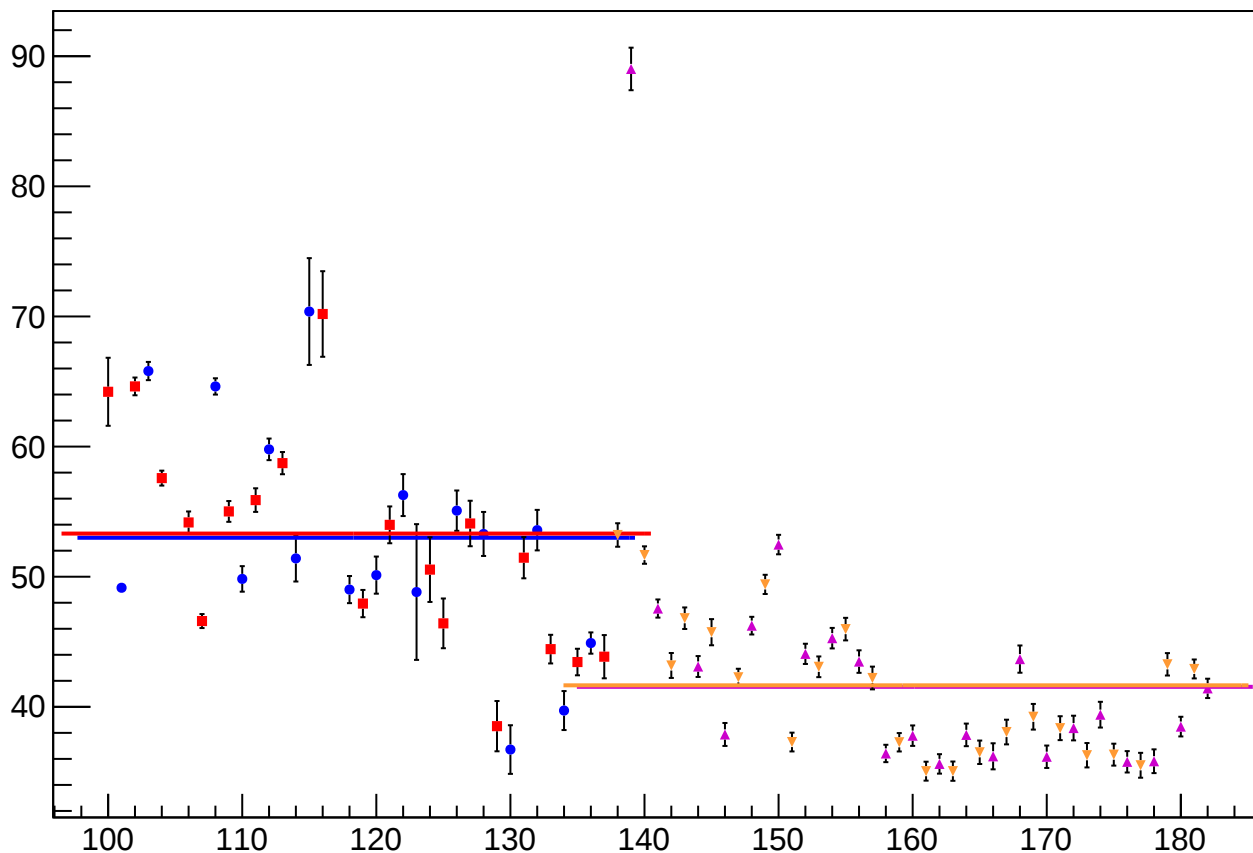
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 21.313 $\pm$ 0.219 χ^2 /NDF:440.9/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 20.652 $\pm$ 0.220 χ^2 /NDF:546.0/21

Left: 20.983 $\pm$ 0.155 χ^2 /NDF: 991.4/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 20.652 $\pm$ 0.220 χ^2 /NDF:546.0/21
 Out: 21.313 $\pm$ 0.219 χ^2 /NDF:440.9/22
 All: 20.983 $\pm$ 0.155 χ^2 /NDF: 991.4/44

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.994 $\pm$ 0.211 χ^2 /NDF: 1197.9/16

Left Out: 41.654 $\pm$ 0.170 χ^2 /NDF:1007.1/22

Right Out: 53.316 $\pm$ 0.227 χ^2 /NDF: 876.7/18

Left In: 41.538 $\pm$ 0.176 χ^2 /NDF:1593.5/21

Left: 41.598 $\pm$ 0.122 χ^2 /NDF: 2600.8/44

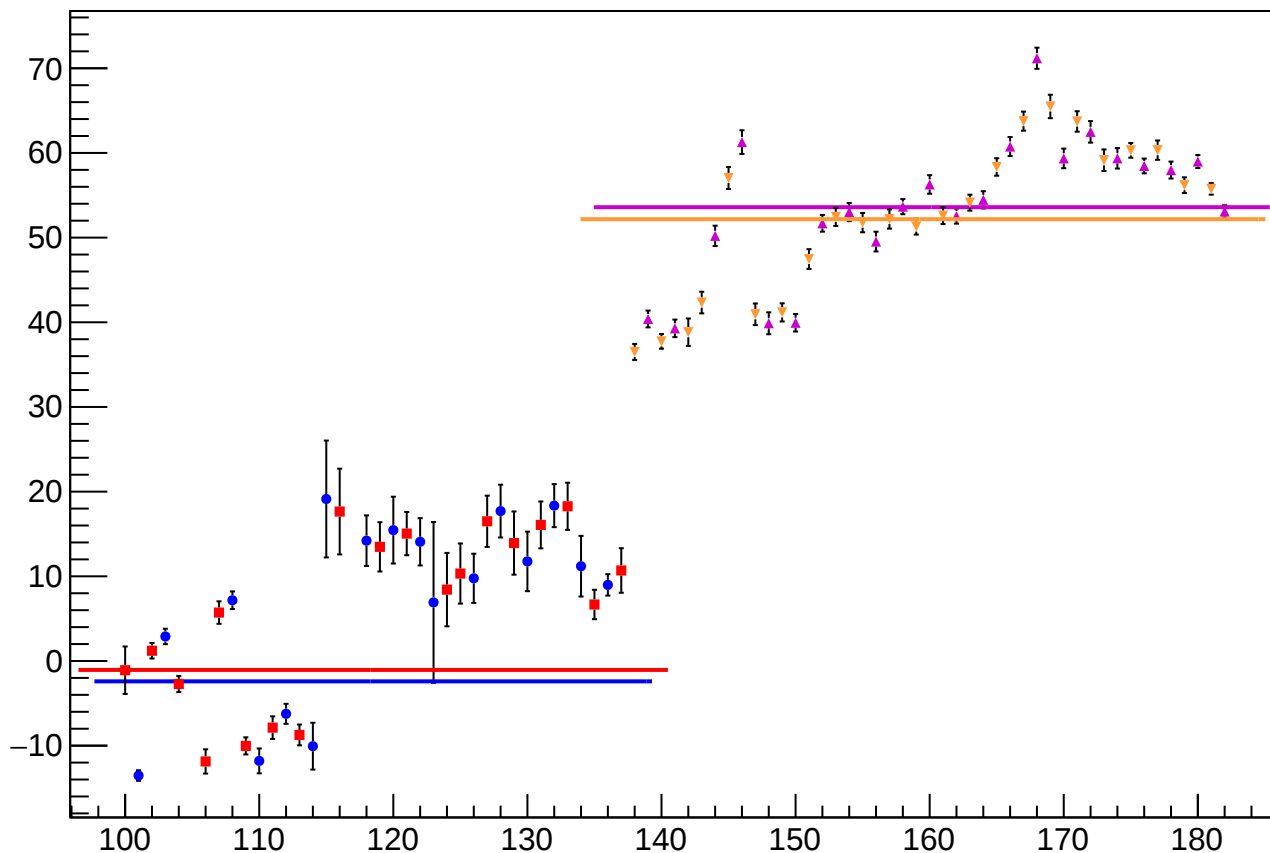
Right: 53.143 $\pm$ 0.155 χ^2 /NDF: 2075.6/35

In: 46.223 $\pm$ 0.135 χ^2 /NDF:4532.7/38

Out: 45.861 $\pm$ 0.136 χ^2 /NDF:3573.5/41

All: 46.044 $\pm$ 0.096 χ^2 /NDF: 8109.7/80

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.405 ± 0.365 χ^2/NDF : 832.0/16

Left Out: 52.178 ± 0.219 χ^2/NDF : 1439.1/22

Right Out: -1.056 ± 0.377 χ^2/NDF : 505.5/18

Left In: 53.593 ± 0.218 χ^2/NDF : 1152.8/21

Left: 52.887 ± 0.155 χ^2/NDF : 2612.9/44

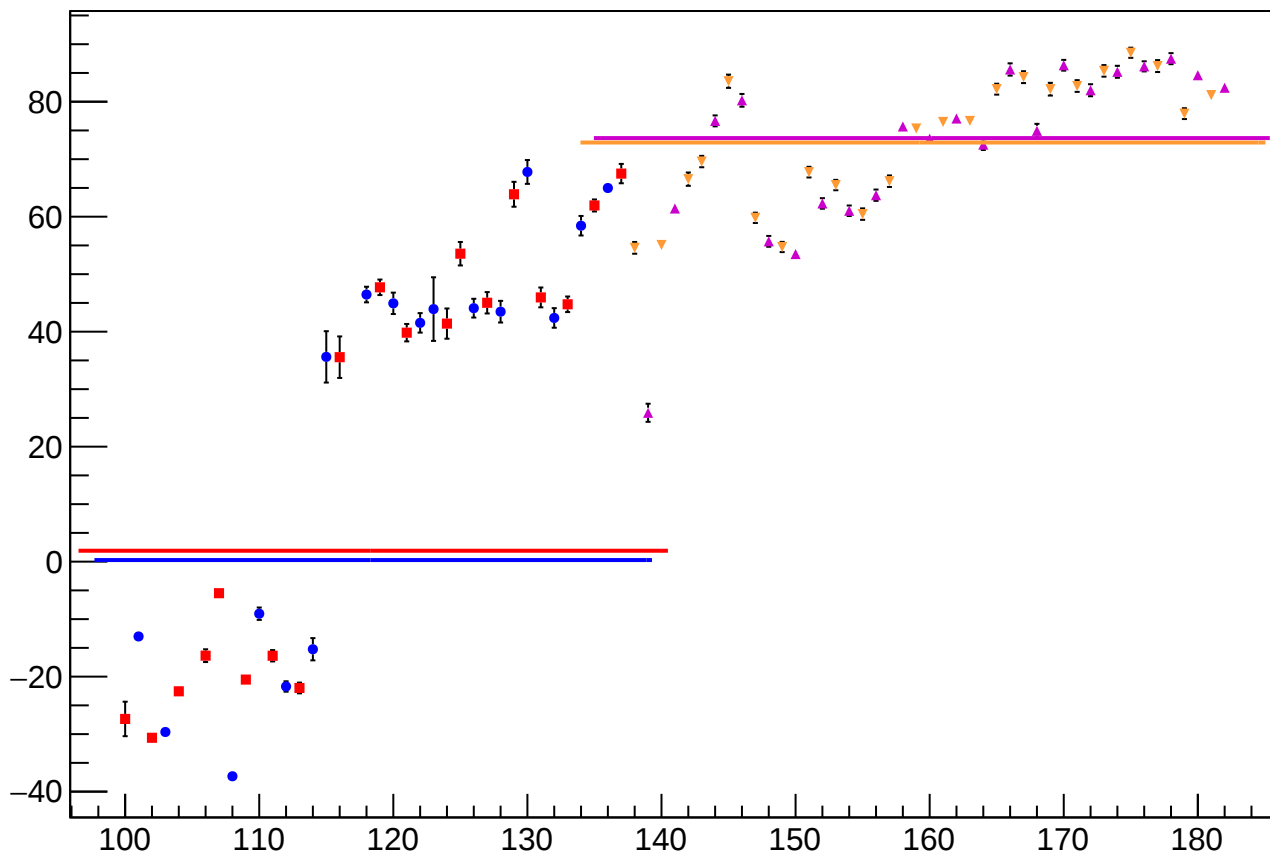
Right: -1.753 ± 0.262 χ^2/NDF : 1344.1/35

In: 38.808 ± 0.187 χ^2/NDF : 19342.6/38

Out: 38.772 ± 0.189 χ^2/NDF : 16844.3/41

All: 38.790 ± 0.133 χ^2/NDF : 36186.9/80

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.275 ± 0.248 χ^2/NDF : 18220.1/16

Left Out: 72.900 ± 0.193 χ^2/NDF : 3065.4/22

Right Out: 1.897 ± 0.267 χ^2/NDF : 15412.8/18

Left In: 73.672 ± 0.196 χ^2/NDF : 3771.9/21

Left: 73.279 ± 0.138 χ^2/NDF : 6845.1/44

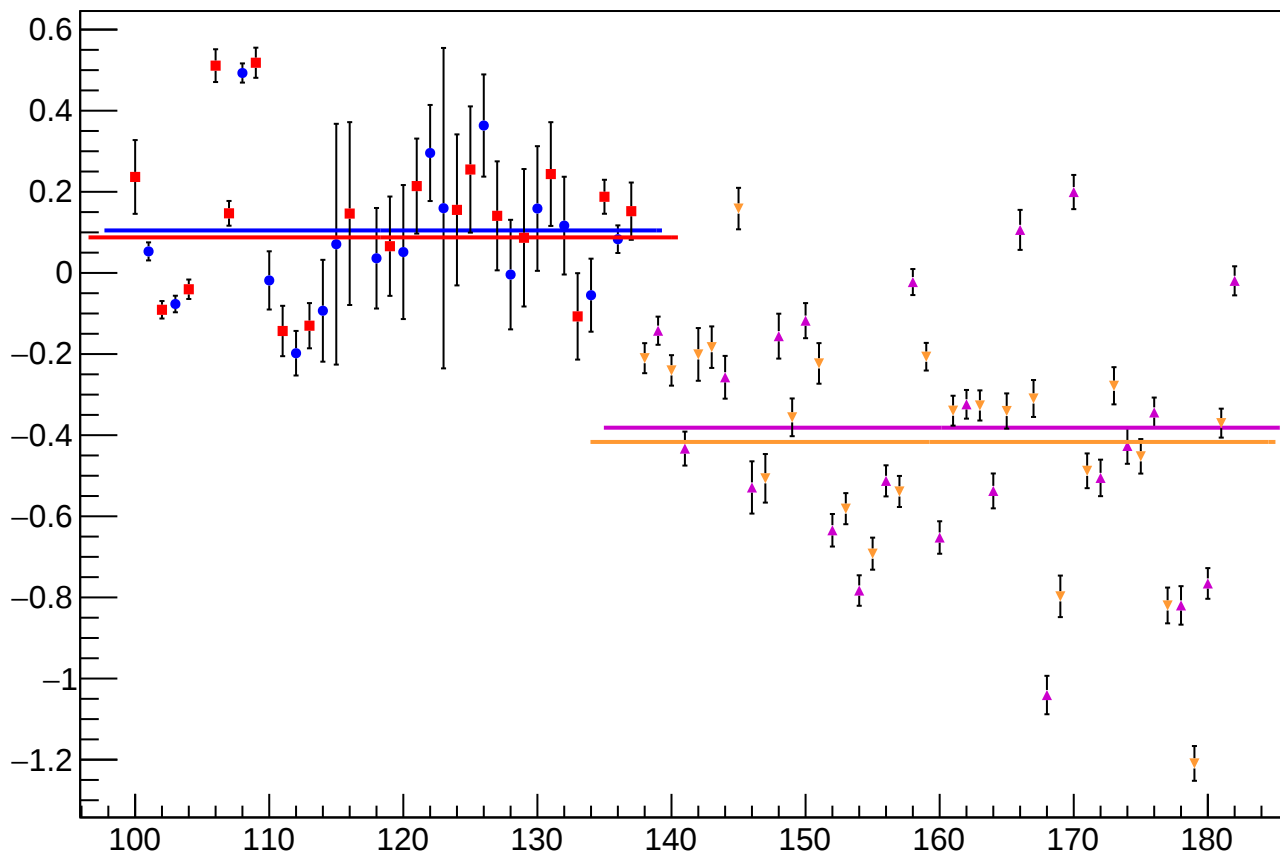
Right: 1.026 ± 0.181 χ^2/NDF : 33652.7/35

In: 45.315 ± 0.154 χ^2/NDF : 75896.5/38

Out: 48.481 ± 0.156 χ^2/NDF : 64951.1/41

All: 46.872 ± 0.110 χ^2/NDF : 141055.7/80

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.417 ± 0.009 $\chi^2/\text{NDF}: 859.6/22$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 390.7/18$

Left In: -0.382 ± 0.009 $\chi^2/\text{NDF}: 1247.1/21$

Left: -0.399 ± 0.006 $\chi^2/\text{NDF}: 2114.6/44$

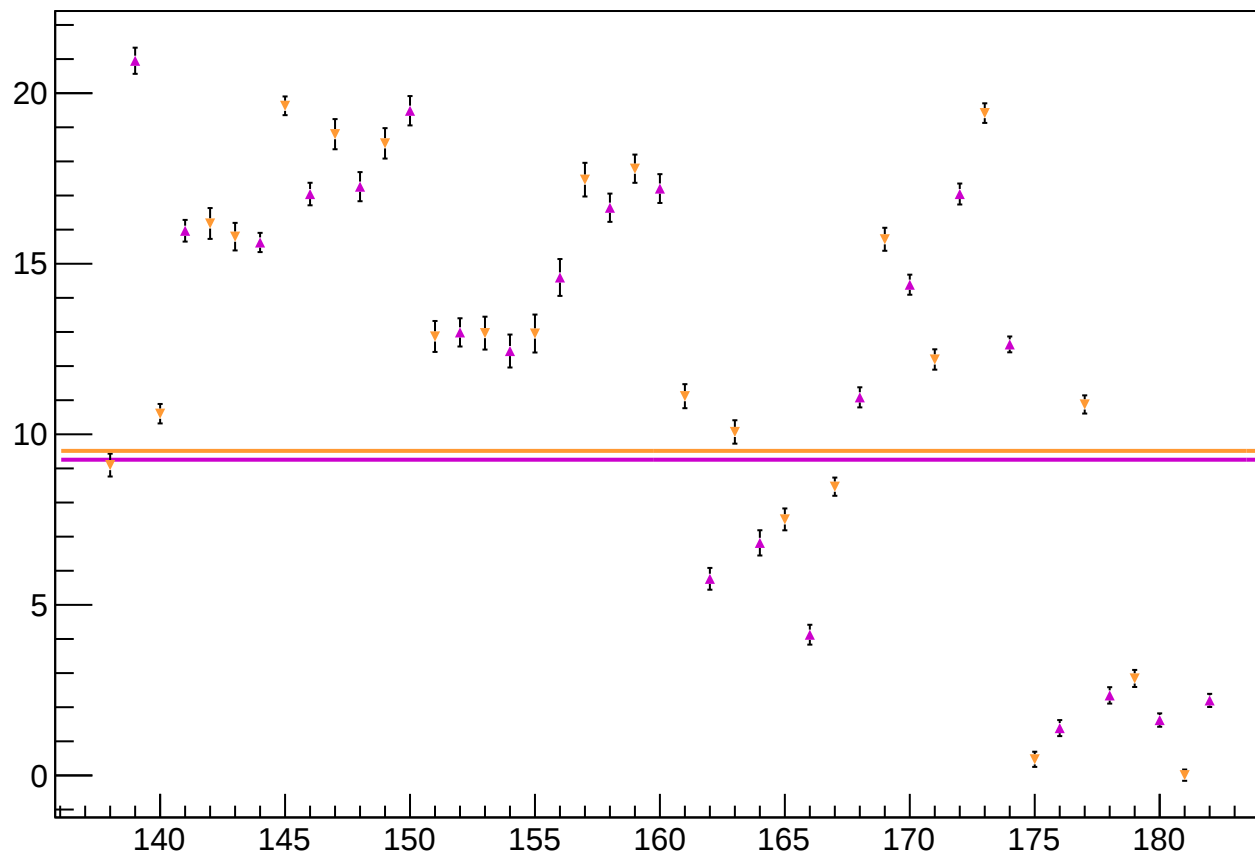
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.8/35$

In: -0.193 ± 0.007 $\chi^2/\text{NDF}: 2833.6/38$

Out: -0.218 ± 0.007 $\chi^2/\text{NDF}: 2522.5/41$

All: -0.205 ± 0.005 $\chi^2/\text{NDF}: 5363.0/80$

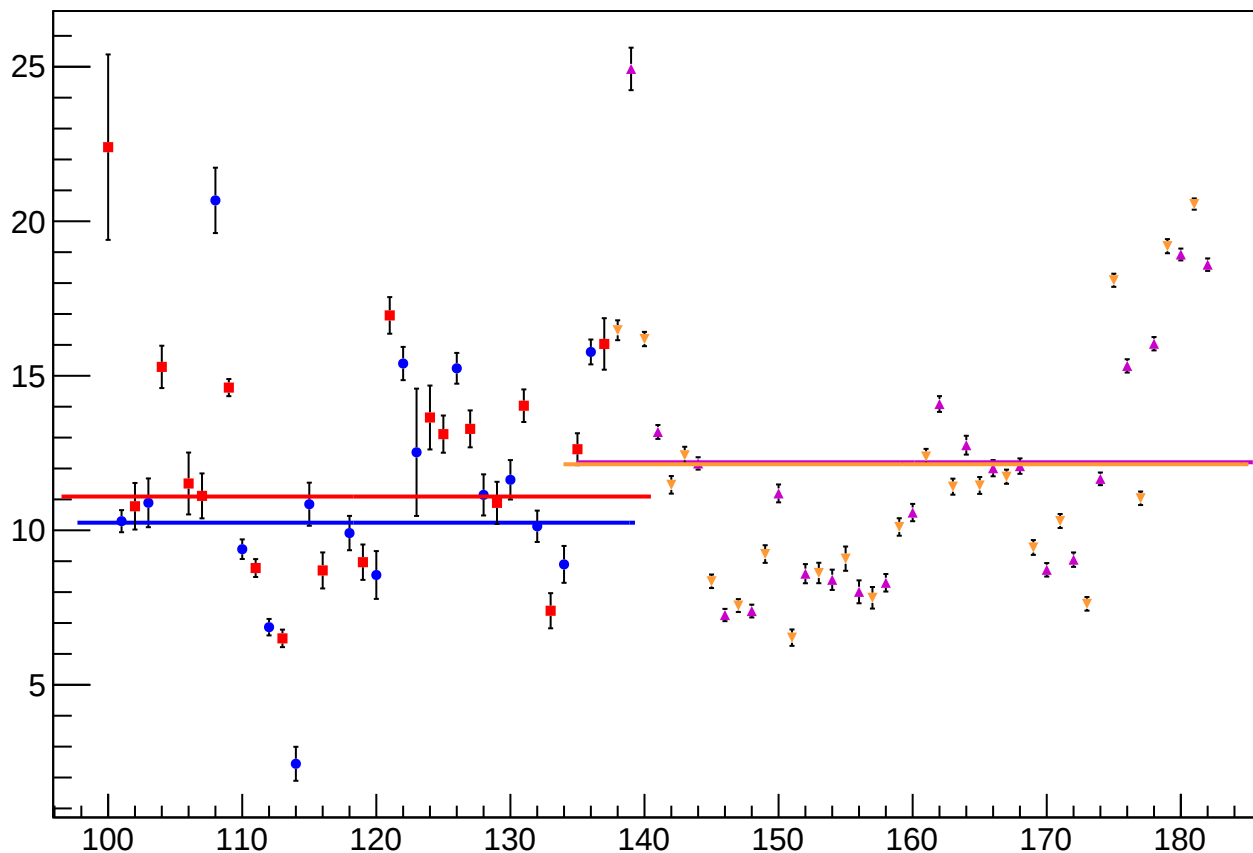
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 9.514 $\pm$ 0.065 χ^2 /NDF:10880.3/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 9.255 $\pm$ 0.064 χ^2 /NDF:10731.6/21

Left: 9.383 $\pm$ 0.046 χ^2 /NDF: 21619.9/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 9.255 $\pm$ 0.064 χ^2 /NDF:10731.6/21
 Out: 9.514 $\pm$ 0.065 χ^2 /NDF:10880.3/22
 All: 9.383 $\pm$ 0.046 χ^2 /NDF: 21619.9/44

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.246+/-0.120 χ^2/NDF : 866.1/16

Left Out: 12.137+/-0.052 χ^2/NDF : 6729.2/22

Right Out: 11.093+/-0.117 χ^2/NDF : 816.7/18

Left In: 12.201+/-0.052 χ^2/NDF : 5406.1/21

Left: 12.169+/-0.037 χ^2/NDF : 12136.0/44

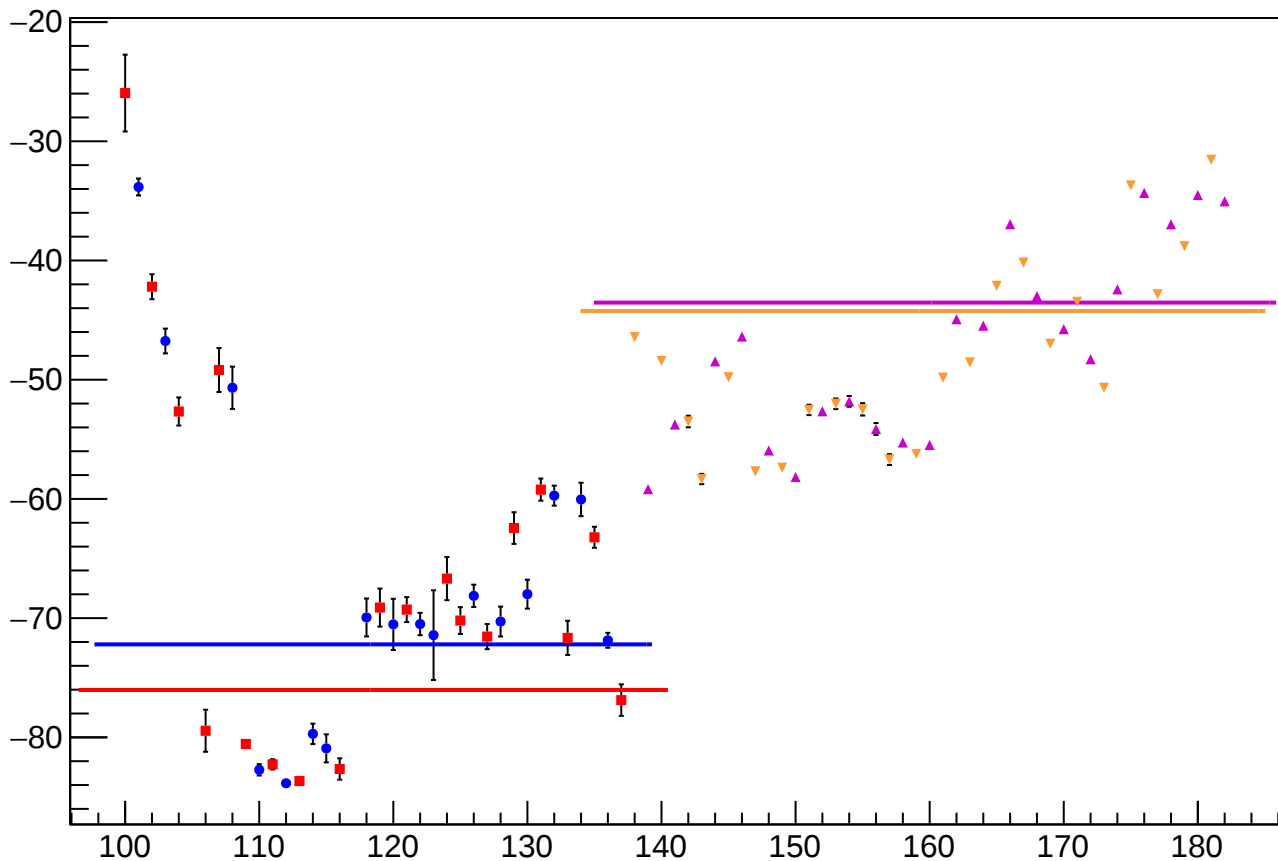
Right: 10.681+/-0.083 χ^2/NDF : 1708.5/35

In: 11.893+/-0.047 χ^2/NDF : 6497.1/38

Out: 11.965+/-0.047 χ^2/NDF : 7612.9/41

All: 11.929+/-0.034 χ^2/NDF : 14111.1/80

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.200 ± 0.198 $\chi^2/\text{NDF}: 5562.7/16$

Left Out: -44.240 ± 0.065 $\chi^2/\text{NDF}: 16175.0/22$

Right Out: -76.024 ± 0.181 $\chi^2/\text{NDF}: 3459.2/18$

Left In: -43.530 ± 0.064 $\chi^2/\text{NDF}: 15266.7/21$

Left: -43.879 ± 0.046 $\chi^2/\text{NDF}: 31501.9/44$

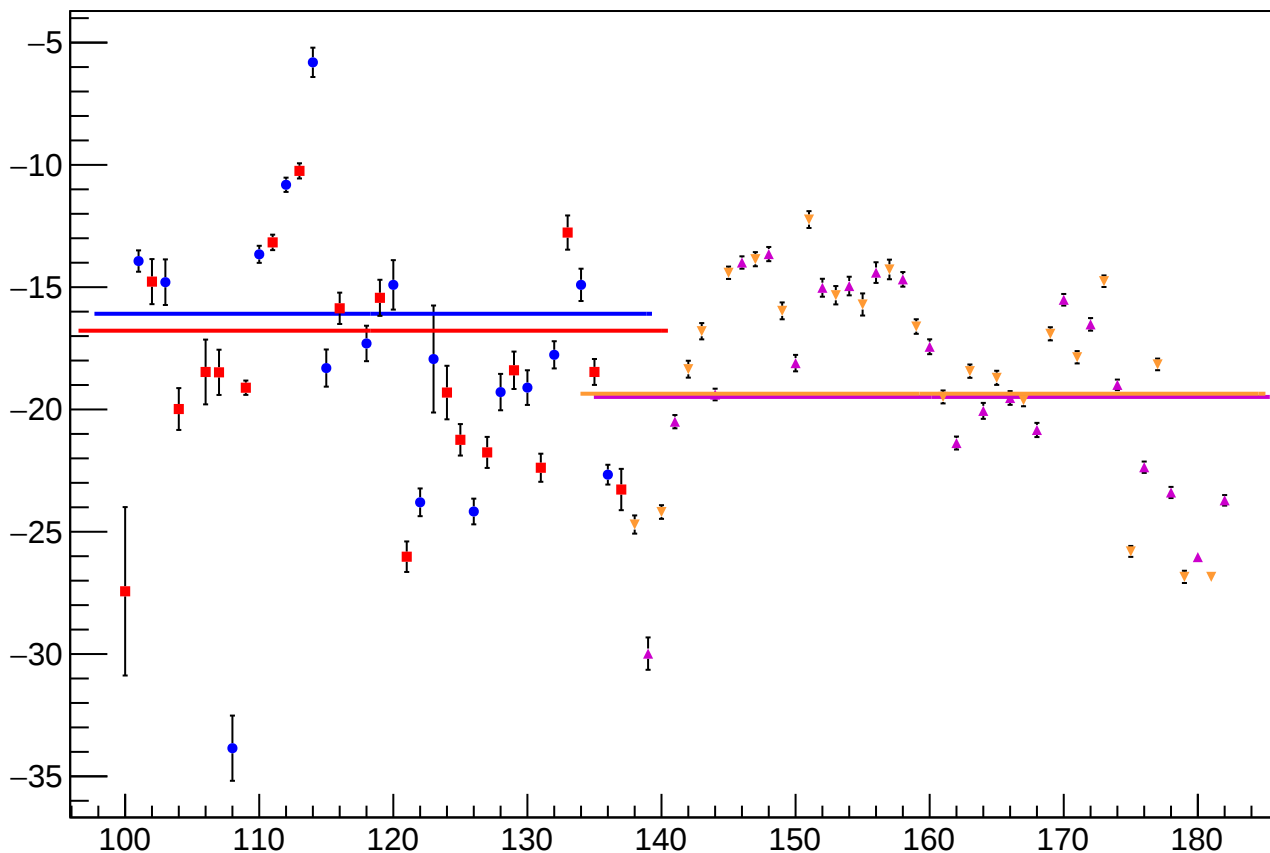
Right: -74.286 ± 0.134 $\chi^2/\text{NDF}: 9224.5/35$

In: -46.251 ± 0.061 $\chi^2/\text{NDF}: 39723.5/38$

Out: -47.903 ± 0.061 $\chi^2/\text{NDF}: 46873.8/41$

All: -47.072 ± 0.043 $\chi^2/\text{NDF}: 86960.5/80$

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.087 ± 0.133 $\chi^2/\text{NDF}: 1620.7/16$

Left Out: -19.356 ± 0.058 $\chi^2/\text{NDF}: 6009.3/22$

Right Out: -16.779 ± 0.128 $\chi^2/\text{NDF}: 1211.2/18$

Left In: -19.487 ± 0.058 $\chi^2/\text{NDF}: 4252.4/21$

Left: -19.422 ± 0.041 $\chi^2/\text{NDF}: 10264.2/44$

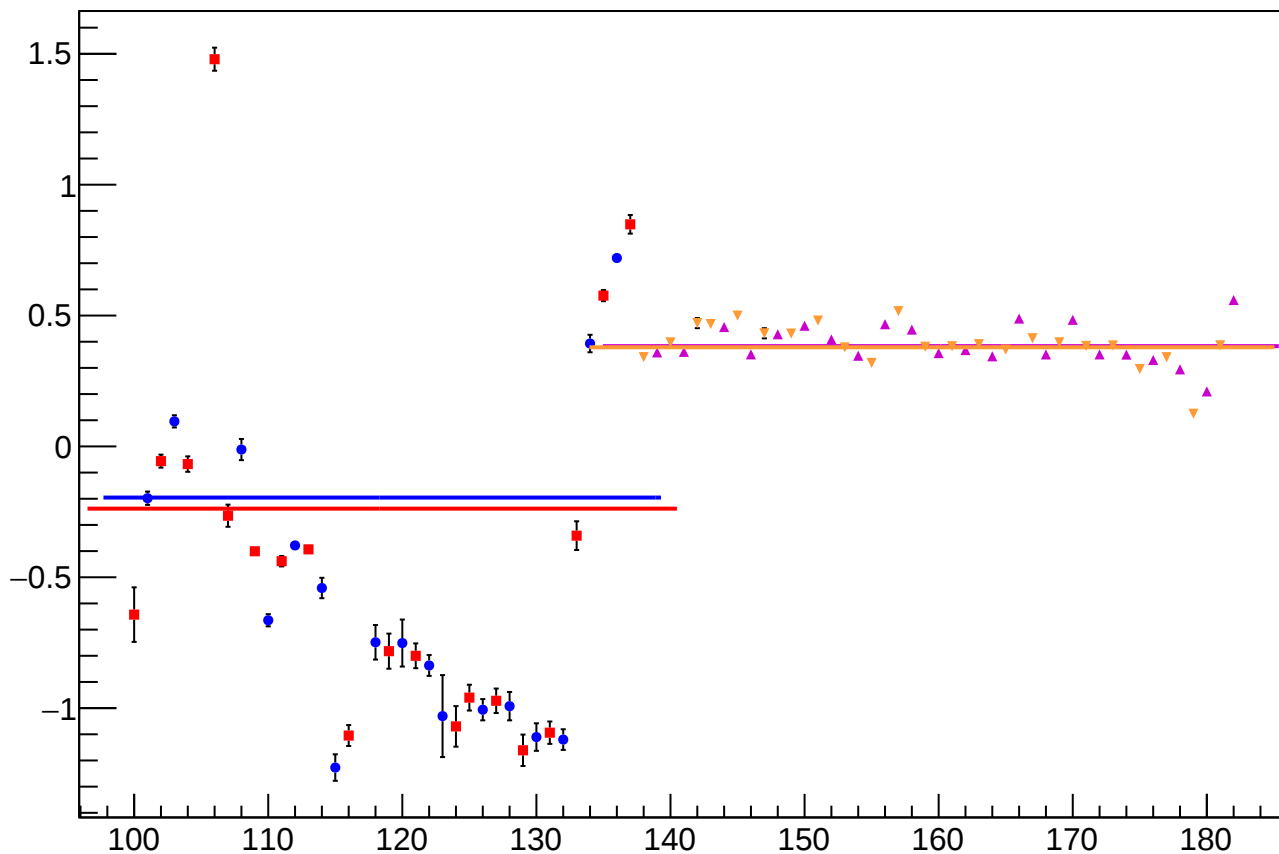
Right: -16.445 ± 0.092 $\chi^2/\text{NDF}: 2846.0/35$

In: -18.943 ± 0.053 $\chi^2/\text{NDF}: 6423.4/38$

Out: -18.915 ± 0.053 $\chi^2/\text{NDF}: 7554.6/41$

All: -18.929 ± 0.038 $\chi^2/\text{NDF}: 13978.2/80$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.195 ± 0.008 χ^2/NDF : 6316.5/16

Left Out: 0.379 ± 0.003 χ^2/NDF : 891.5/22

Right Out: -0.238 ± 0.007 χ^2/NDF : 6176.6/18

Left In: 0.383 ± 0.003 χ^2/NDF : 1055.7/21

Left: 0.381 ± 0.002 χ^2/NDF : 1948.5/44

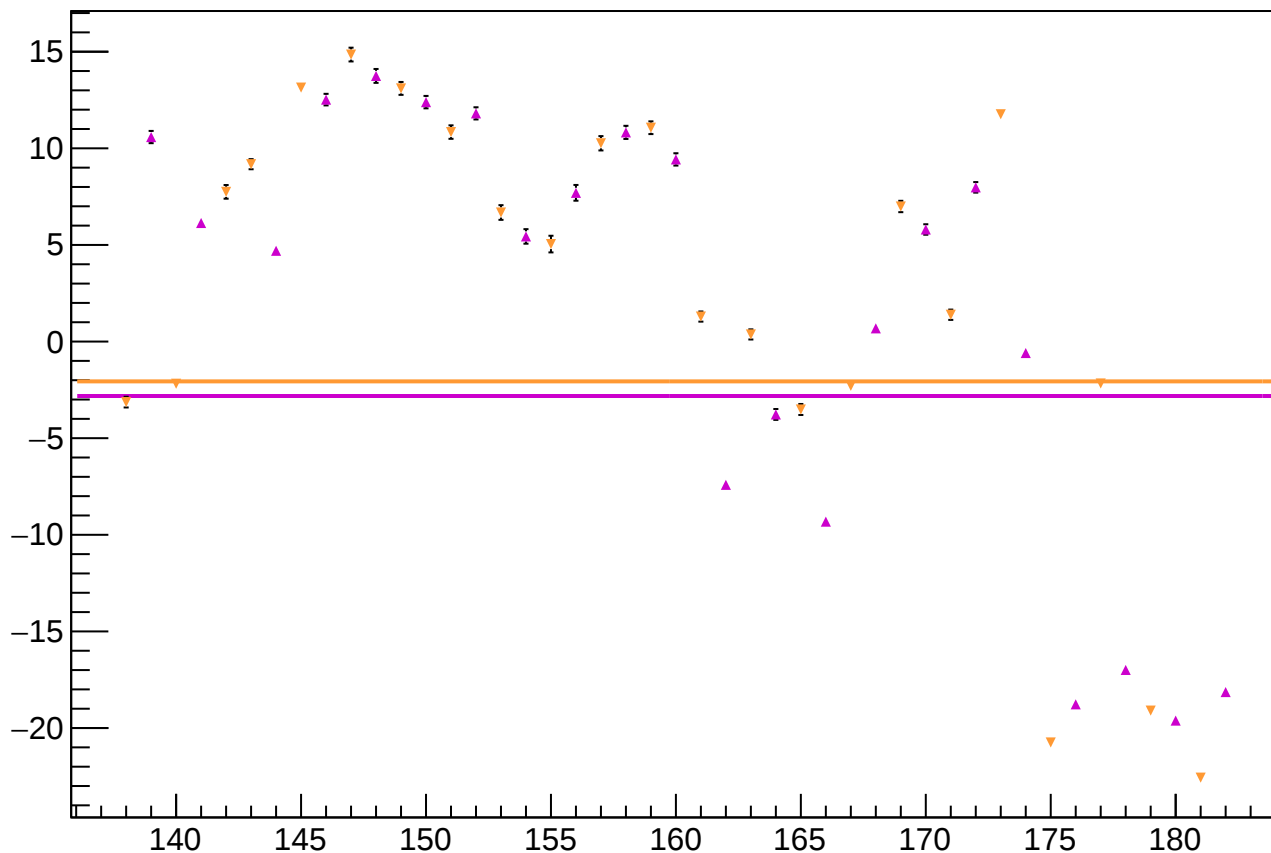
Right: -0.218 ± 0.005 χ^2/NDF : 12509.6/35

In: 0.320 ± 0.003 χ^2/NDF : 12590.7/38

Out: 0.303 ± 0.003 χ^2/NDF : 13523.2/41

All: 0.311 ± 0.002 χ^2/NDF : 26136.4/80

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.060+/-0.055 χ^2/NDF : 50134.2/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.817+/-0.056 χ^2/NDF : 45659.4/21

Left: -2.437+/-0.039 χ^2/NDF : 95886.8/44

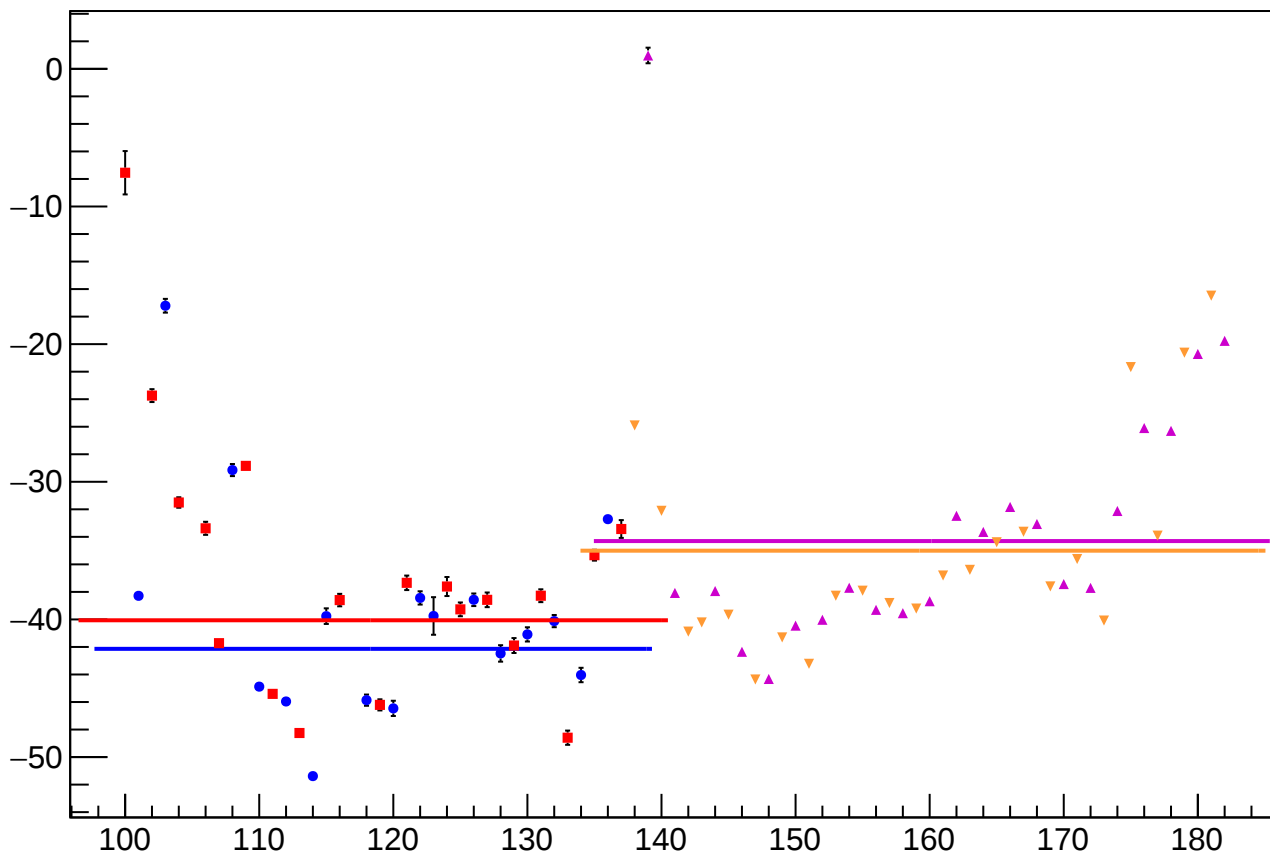
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.817+/-0.056 χ^2/NDF : 45659.4/21

Out: -2.060+/-0.055 χ^2/NDF : 50134.2/22

All: -2.437+/-0.039 χ^2/NDF : 95886.8/44

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.136 ± 0.078 χ^2/NDF : 6553.2/16

Left Out: -35.005 ± 0.043 χ^2/NDF : 31094.7/22

Right Out: -40.062 ± 0.073 χ^2/NDF : 11320.5/18

Left In: -34.307 ± 0.044 χ^2/NDF : 27824.7/21

Left: -34.665 ± 0.031 χ^2/NDF : 59046.8/44

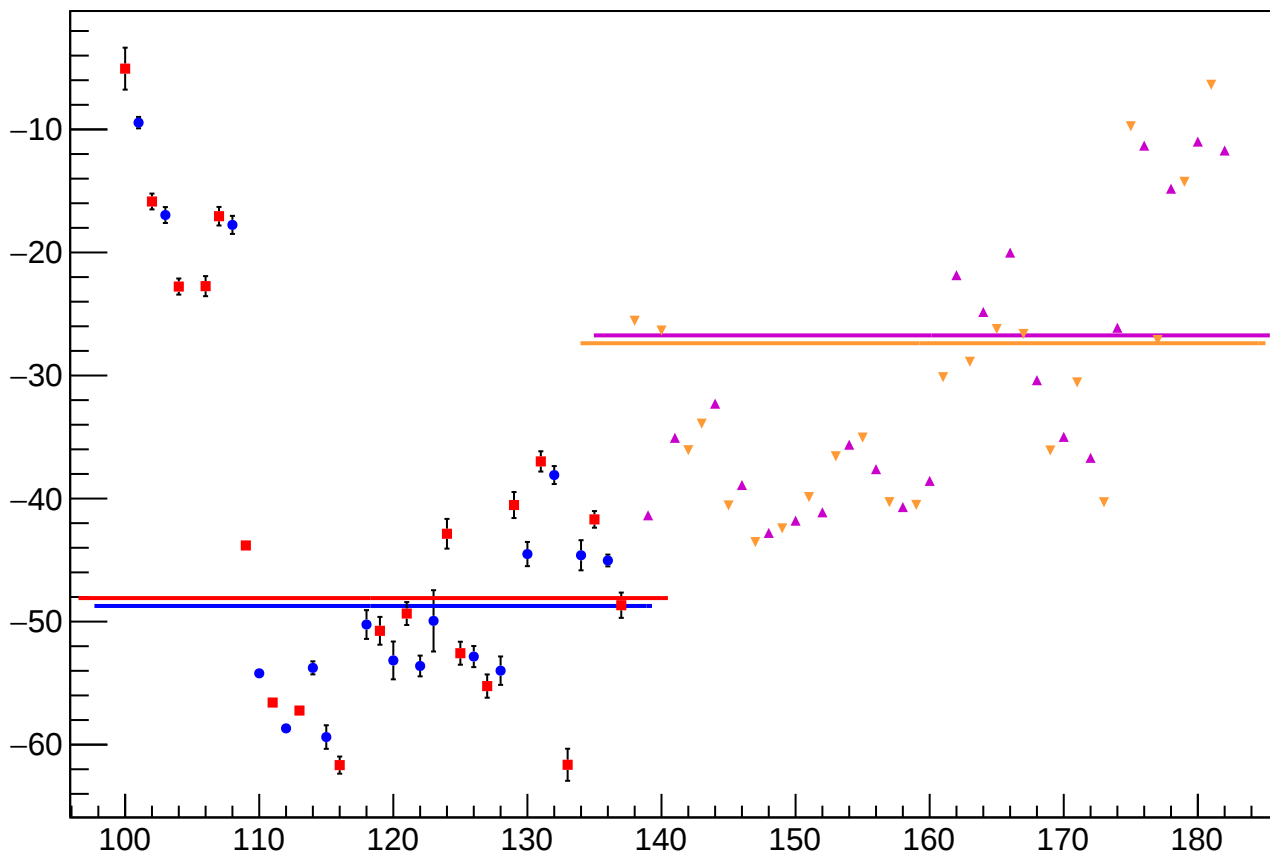
Right: -41.025 ± 0.053 χ^2/NDF : 18250.8/35

In: -36.212 ± 0.039 χ^2/NDF : 41967.3/38

Out: -36.321 ± 0.037 χ^2/NDF : 45982.3/41

All: -36.269 ± 0.027 χ^2/NDF : 87953.8/80

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.729 ± 0.125 $\chi^2/\text{NDF}: 14659.5/16$

Left Out: -27.376 ± 0.056 $\chi^2/\text{NDF}: 44226.6/22$

Right Out: -48.089 ± 0.107 $\chi^2/\text{NDF}: 11732.9/18$

Left In: -26.737 ± 0.056 $\chi^2/\text{NDF}: 42007.2/21$

Left: -27.056 ± 0.039 $\chi^2/\text{NDF}: 86299.7/44$

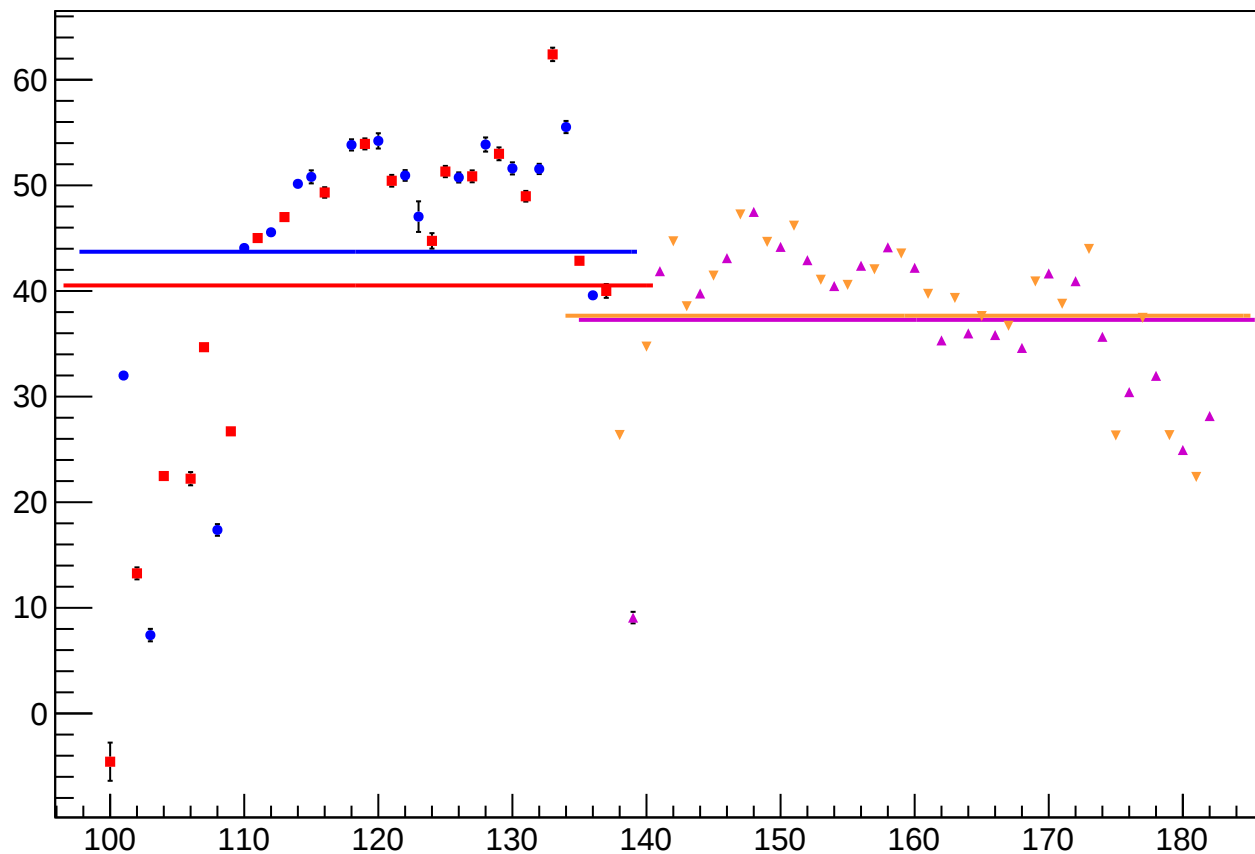
Right: -48.361 ± 0.081 $\chi^2/\text{NDF}: 26407.5/35$

In: -30.376 ± 0.051 $\chi^2/\text{NDF}: 82569.7/38$

Out: -31.762 ± 0.049 $\chi^2/\text{NDF}: 85342.0/41$

All: -31.088 ± 0.035 $\chi^2/\text{NDF}: 168295.1/80$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.716 $\pm$ 0.087 χ^2 /NDF: 10564.2/16

Left Out: 37.659 $\pm$ 0.049 χ^2 /NDF: 20224.5/22

Right Out: 40.525 $\pm$ 0.080 χ^2 /NDF: 17578.6/18

Left In: 37.266 $\pm$ 0.050 χ^2 /NDF: 17021.4/21

Left: 37.466 $\pm$ 0.035 χ^2 /NDF: 37277.6/44

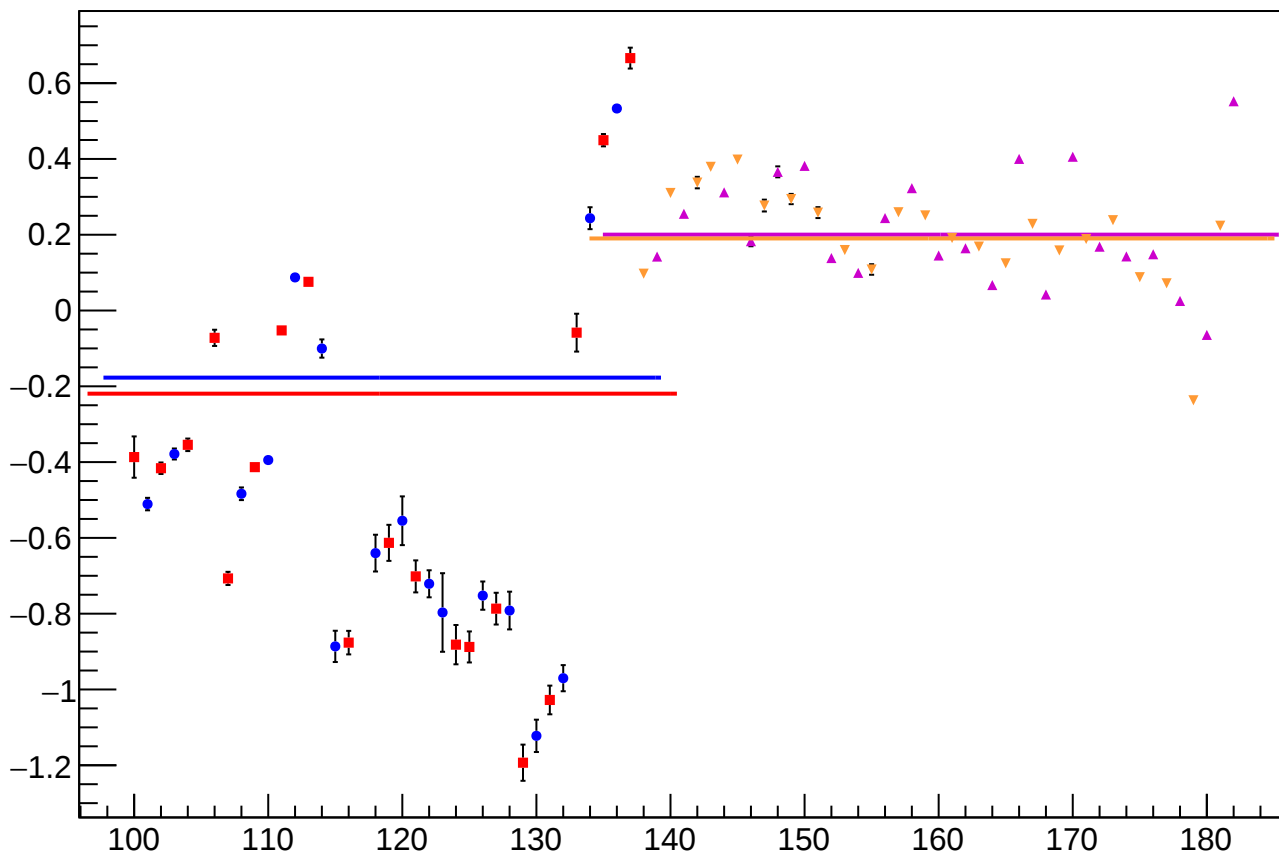
Right: 41.991 $\pm$ 0.059 χ^2 /NDF: 28869.7/35

In: 38.854 $\pm$ 0.043 χ^2 /NDF: 31726.1/38

Out: 38.436 $\pm$ 0.042 χ^2 /NDF: 38732.9/41

All: 38.638 $\pm$ 0.030 χ^2 /NDF: 70507.5/80

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7353.5/16

Left Out: 0.190 ± 0.002 χ^2/NDF : 3255.5/22

Right Out: -0.219 ± 0.004 χ^2/NDF : 7417.3/18

Left In: 0.200 ± 0.002 χ^2/NDF : 4417.7/21

Left: 0.195 ± 0.002 χ^2/NDF : 7683.0/44

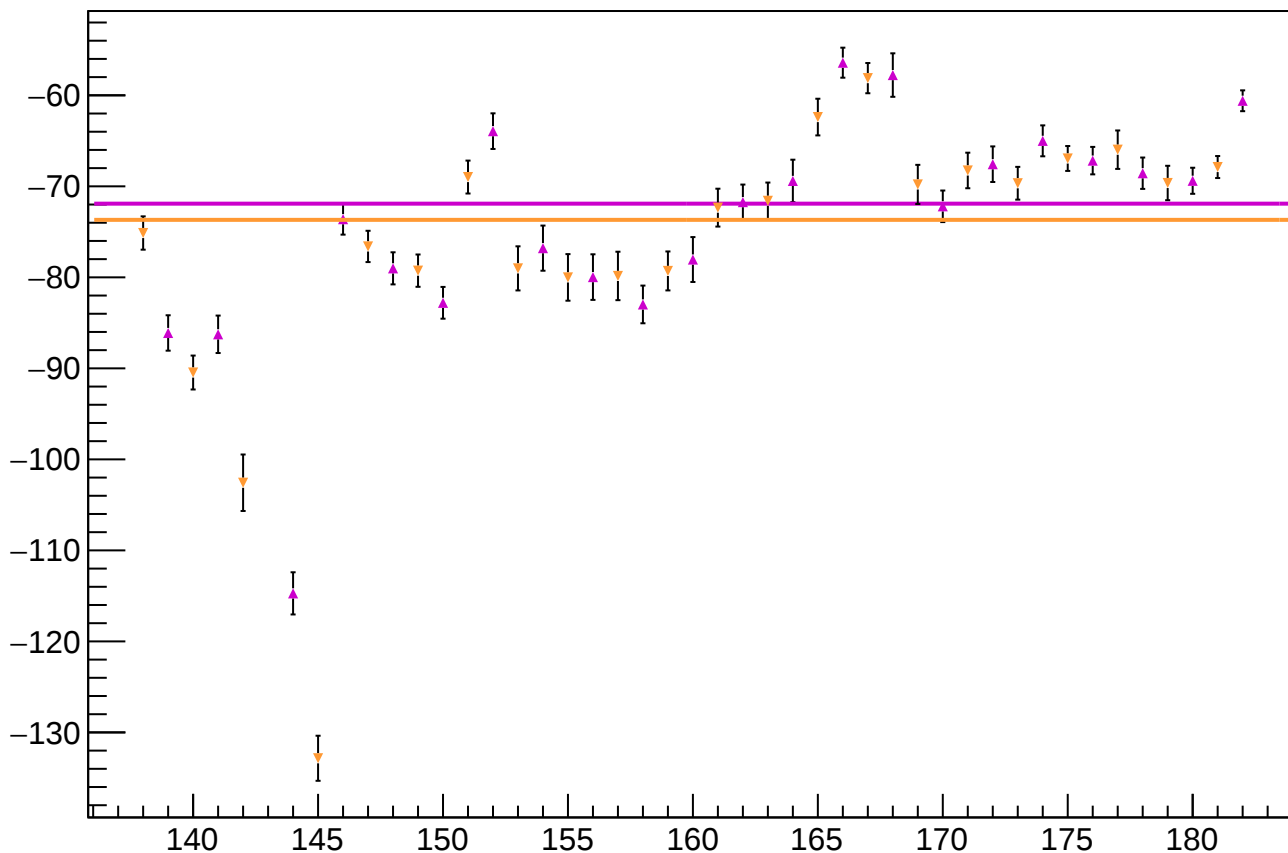
Right: -0.201 ± 0.003 χ^2/NDF : 14813.5/35

In: 0.132 ± 0.002 χ^2/NDF : 16741.2/38

Out: 0.101 ± 0.002 χ^2/NDF : 17762.9/41

All: 0.116 ± 0.001 χ^2/NDF : 34621.4/80

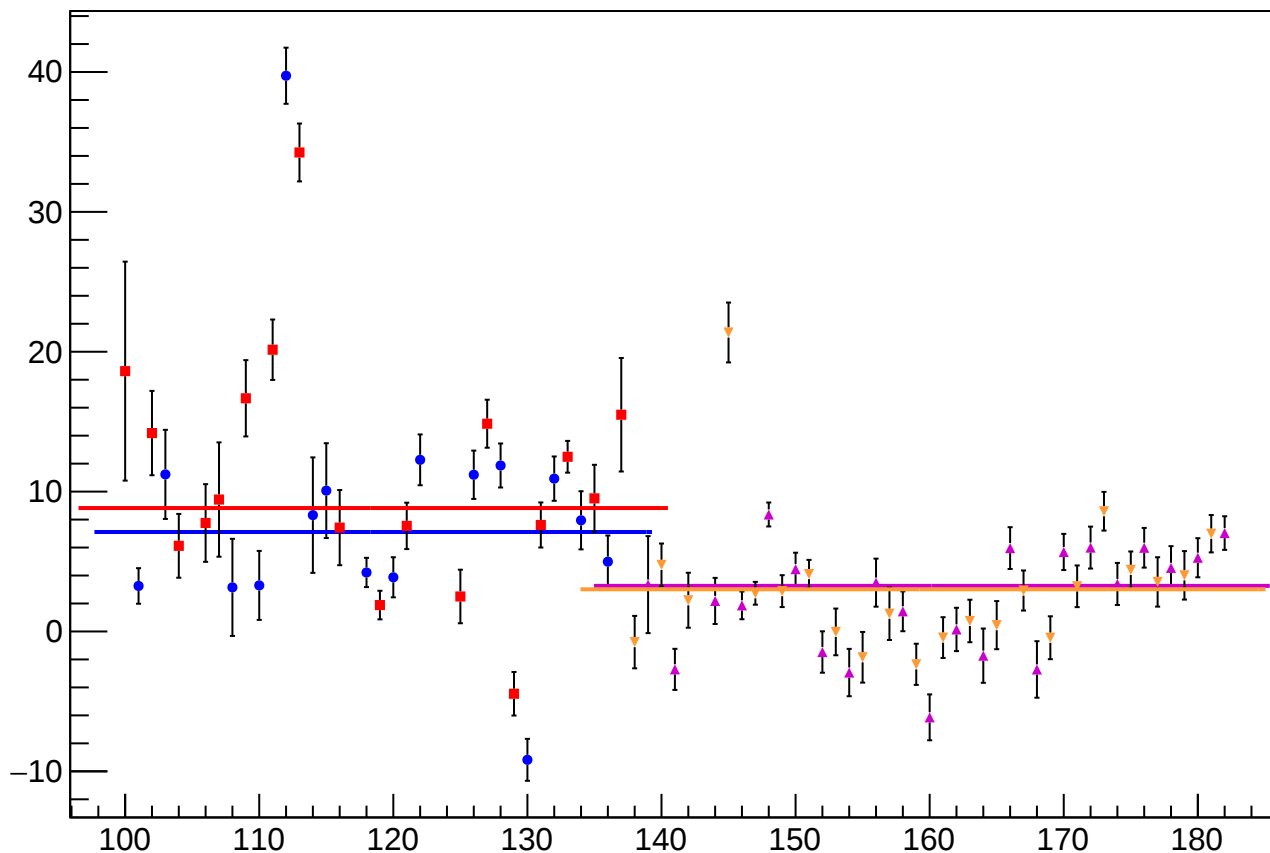
reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -73.684 $\pm$ 0.405 χ^2/NDF :984.1/21
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -71.904 $\pm$ 0.388 χ^2/NDF :825.2/21

Left: -72.757 $\pm$ 0.280 χ^2/NDF : 1819.4/43
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -71.904 $\pm$ 0.388 χ^2/NDF :825.2/21
 Out: -73.684 $\pm$ 0.405 χ^2/NDF :984.1/21
 All: -72.757 $\pm$ 0.280 χ^2/NDF : 1819.4/43

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.112 $\pm$ 0.440 χ^2/NDF : 440.4/15

Left Out: 3.016 $\pm$ 0.305 χ^2/NDF :146.9/21

Right Out: 8.824 $\pm$ 0.449 χ^2/NDF : 349.7/17

Left In: 3.259 $\pm$ 0.302 χ^2/NDF :159.4/21

Left: 3.139 $\pm$ 0.214 χ^2/NDF : 306.7/43

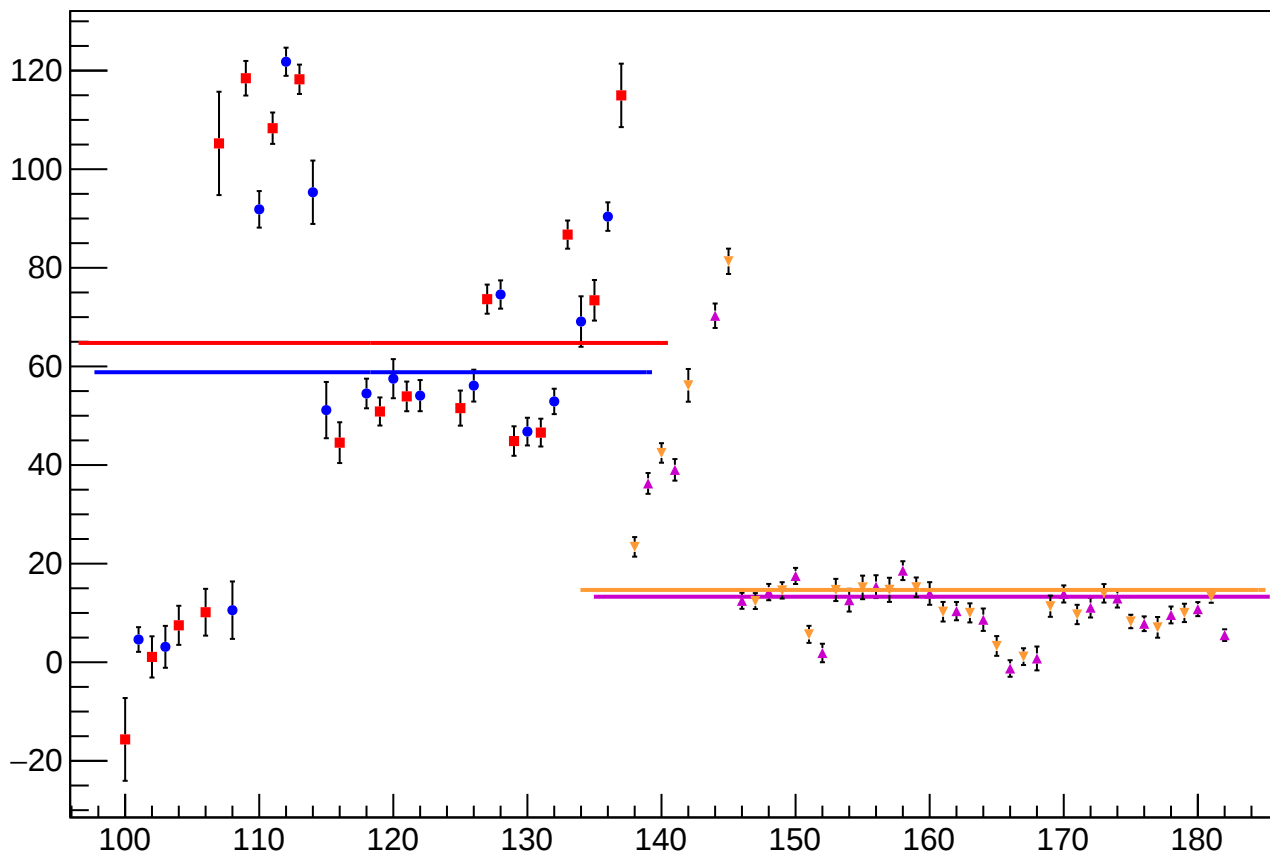
Right: 7.952 $\pm$ 0.314 χ^2/NDF : 797.5/33

In: 4.489 $\pm$ 0.249 χ^2/NDF :652.0/37

Out: 4.850 $\pm$ 0.252 χ^2/NDF :611.3/39

All: 4.667 $\pm$ 0.177 χ^2/NDF : 1264.3/77

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.825+/-0.839 χ^2 /NDF: 1491.4/15

Left Out: 14.671+/-0.402 χ^2 /NDF:1231.7/21

Right Out: 64.764+/-0.842 χ^2 /NDF: 1718.6/17

Left In: 13.290+/-0.386 χ^2 /NDF:1013.1/21

Left: 13.952+/-0.278 χ^2 /NDF: 2250.9/43

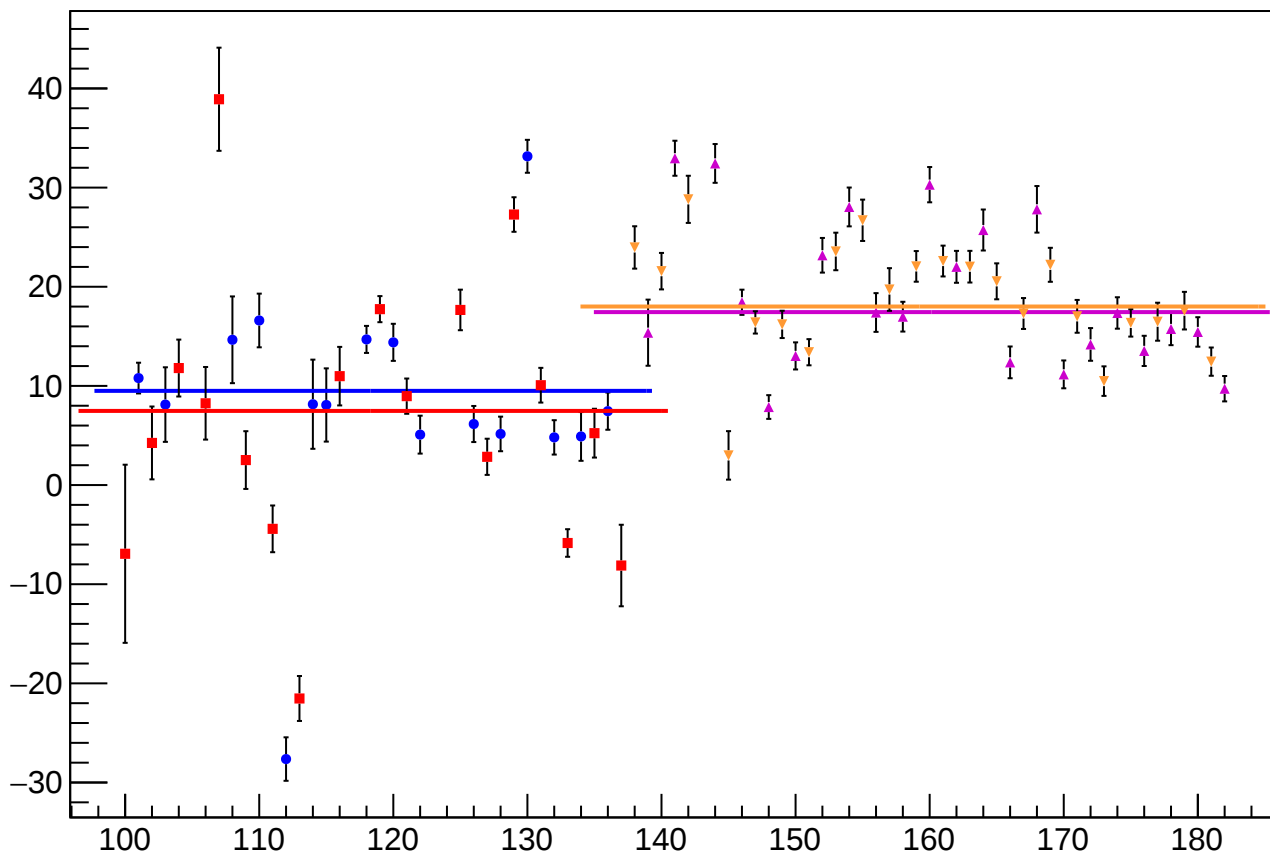
Right: 61.783+/-0.594 χ^2 /NDF: 3234.9/33

In: 21.247+/-0.351 χ^2 /NDF:4937.9/37

Out: 23.970+/-0.363 χ^2 /NDF:5834.1/39

All: 22.562+/-0.252 χ^2 /NDF: 10801.1/77

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.499 ± 0.508 $\chi^2/\text{NDF}: 547.2/15$

Left Out: 18.006 ± 0.350 $\chi^2/\text{NDF}: 185.8/21$

Right Out: 7.477 ± 0.516 $\chi^2/\text{NDF}: 566.9/17$

Left In: 17.443 ± 0.344 $\chi^2/\text{NDF}: 427.3/21$

Left: 17.719 ± 0.245 $\chi^2/\text{NDF}: 614.4/43$

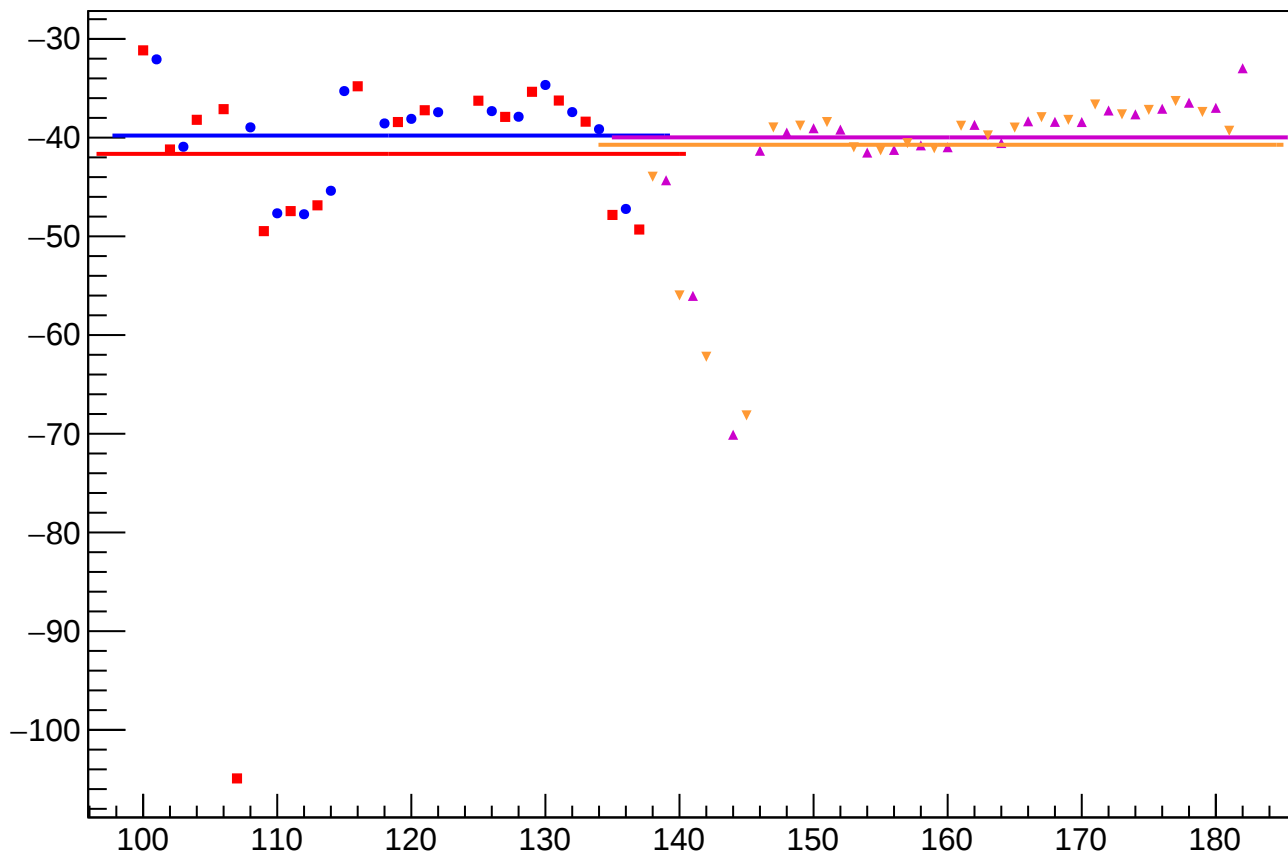
Right: 8.505 ± 0.362 $\chi^2/\text{NDF}: 1121.9/33$

In: 14.947 ± 0.285 $\chi^2/\text{NDF}: 1142.4/37$

Out: 14.682 ± 0.290 $\chi^2/\text{NDF}: 1037.7/39$

All: 14.817 ± 0.203 $\chi^2/\text{NDF}: 2180.5/77$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.790 $\pm$ 0.031 χ^2 /NDF: 26103.4/15

Left Out: -40.724 $\pm$ 0.017 χ^2 /NDF:150739.6/21

Right Out: -41.646 $\pm$ 0.031 χ^2 /NDF: 94375.5/17

Left In: -39.975 $\pm$ 0.016 χ^2 /NDF:139278.7/21

Left: -40.335 $\pm$ 0.011 χ^2 /NDF: 291090.4/43

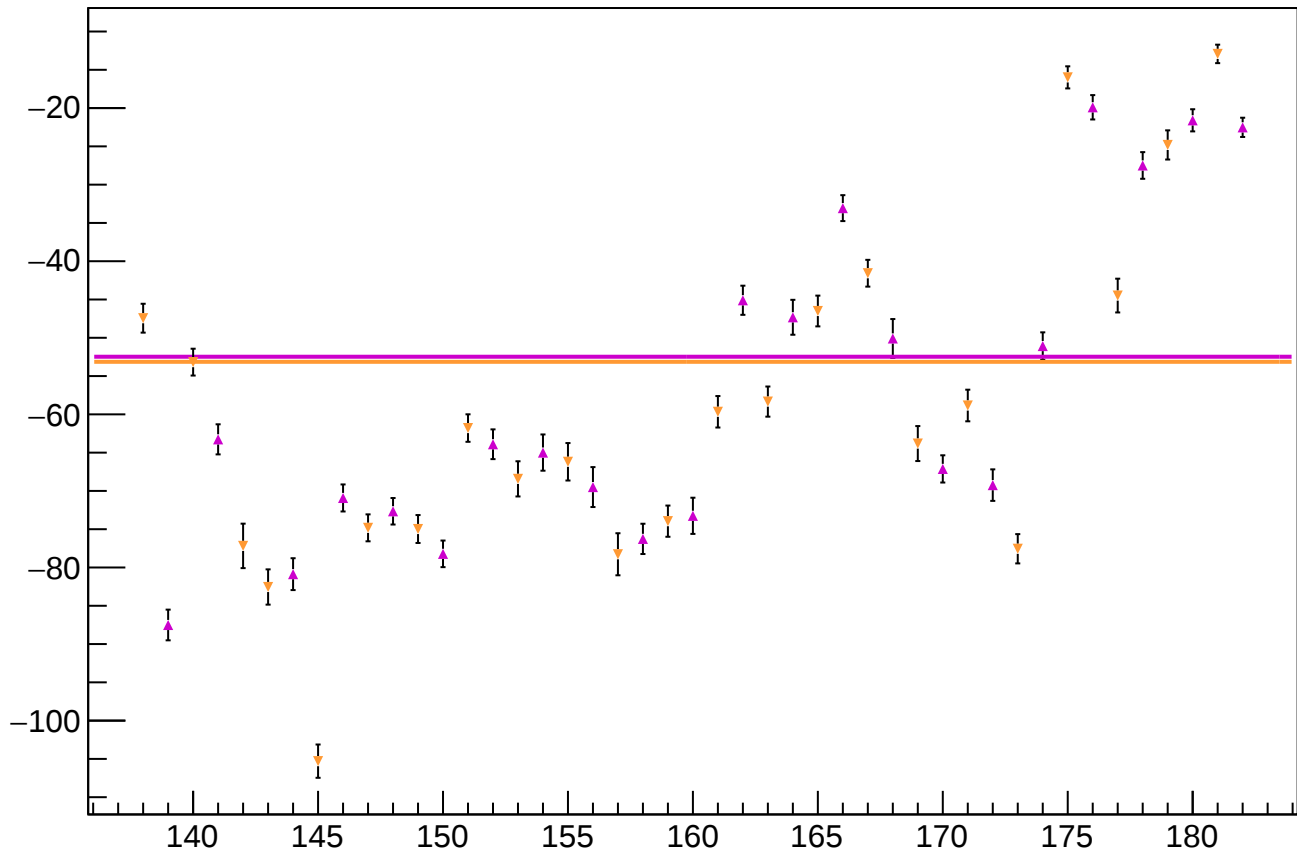
Right: -40.718 $\pm$ 0.022 χ^2 /NDF: 122240.7/33

In: -39.937 $\pm$ 0.014 χ^2 /NDF:165409.9/37

Out: -40.925 $\pm$ 0.015 χ^2 /NDF:245794.7/39

All: -40.416 $\pm$ 0.010 χ^2 /NDF: 413568.5/77

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -53.137+/-0.401 χ^2/NDF :3670.2/22

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

Left In: -52.474+/-0.395 χ^2/NDF :3250.5/21

Left: -52.800+/-0.281 χ^2/NDF : 6922.0/44

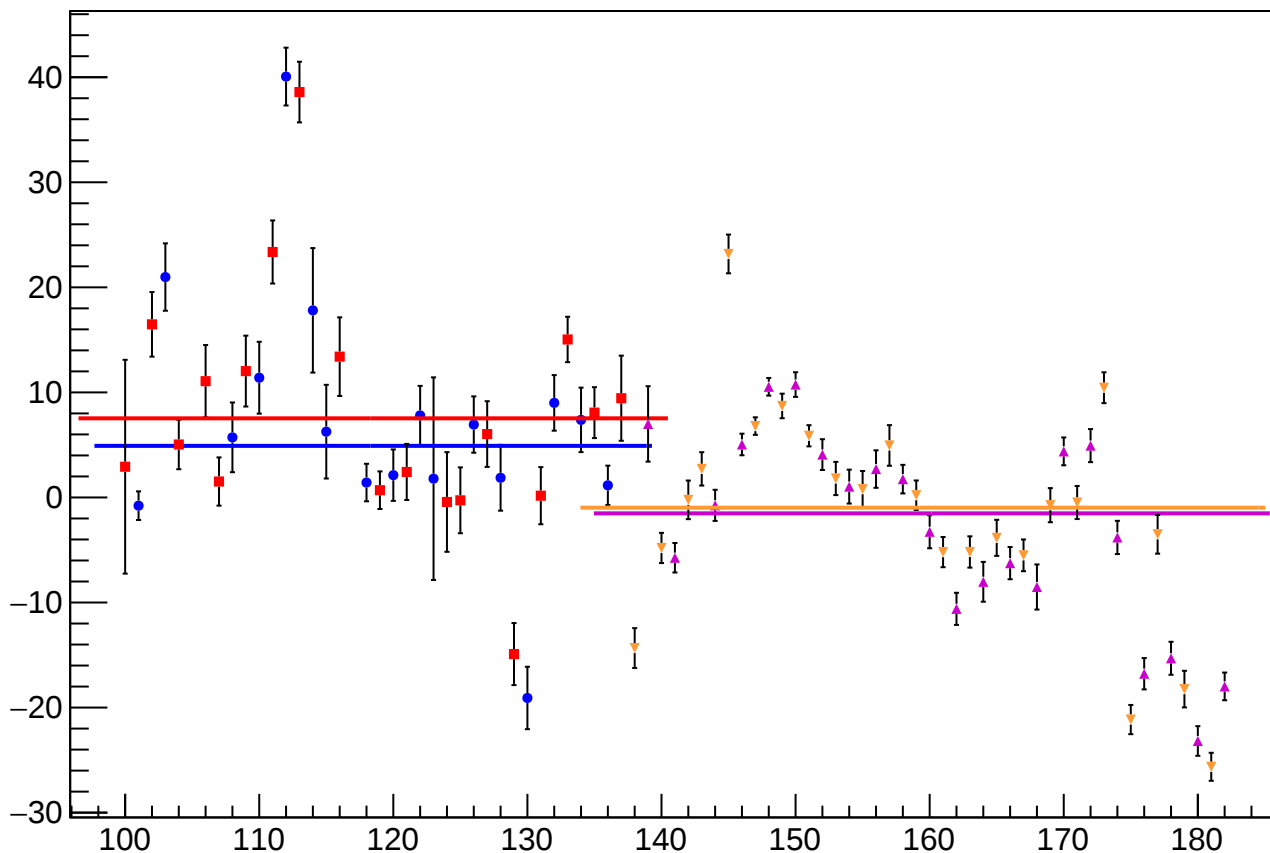
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -52.474+/-0.395 χ^2/NDF :3250.5/21

Out: -53.137+/-0.401 χ^2/NDF :3670.2/22

All: -52.800+/-0.281 χ^2/NDF : 6922.0/44

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.912 ± 0.629 $\chi^2/\text{NDF}: 294.3/16$

Left Out: -0.973 ± 0.300 $\chi^2/\text{NDF}: 1191.2/22$

Right Out: 7.532 ± 0.651 $\chi^2/\text{NDF}: 270.5/18$

Left In: -1.512 ± 0.303 $\chi^2/\text{NDF}: 1080.8/21$

Left: -1.240 ± 0.213 $\chi^2/\text{NDF}: 2273.6/44$

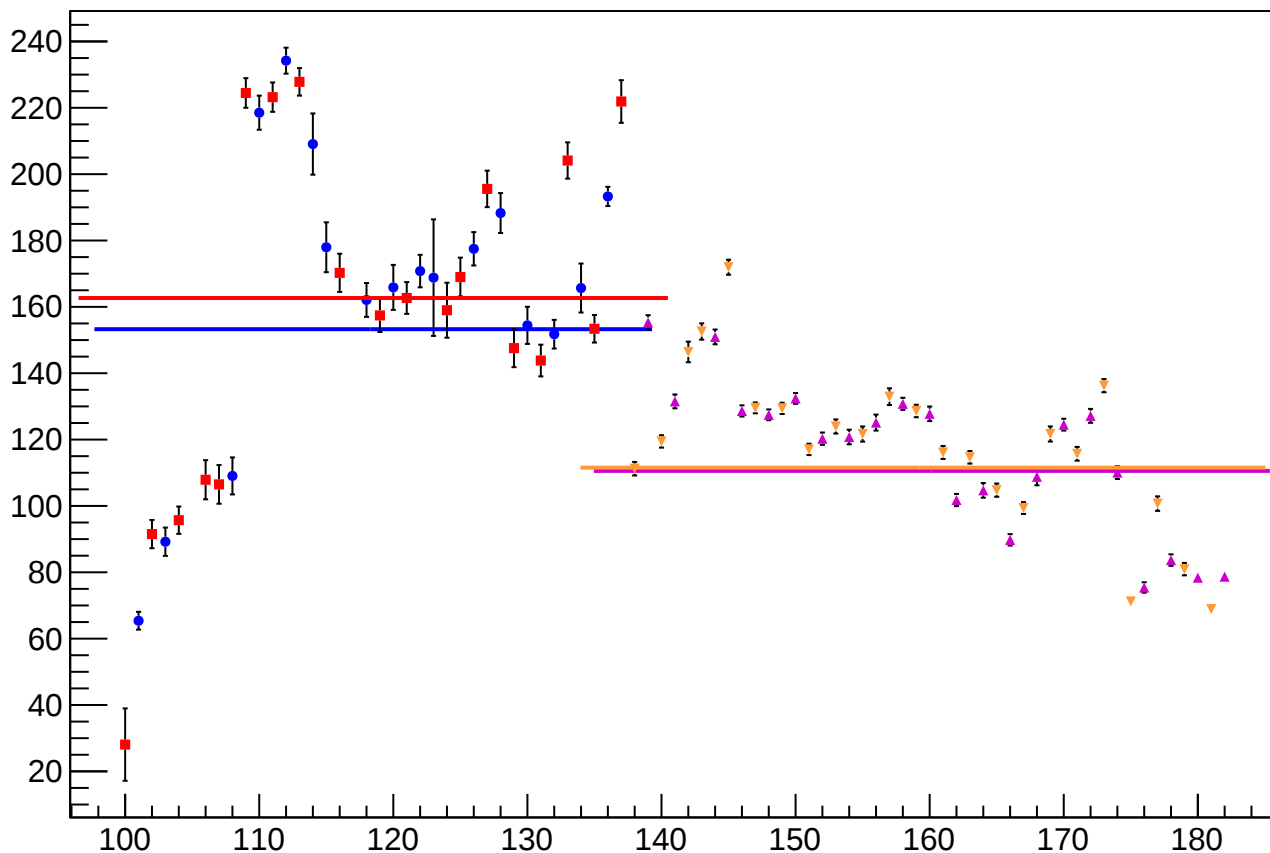
Right: 6.176 ± 0.452 $\chi^2/\text{NDF}: 573.3/35$

In: -0.301 ± 0.273 $\chi^2/\text{NDF}: 1459.8/38$

Out: 0.520 ± 0.273 $\chi^2/\text{NDF}: 1602.4/41$

All: 0.109 ± 0.193 $\chi^2/\text{NDF}: 3066.7/80$

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.268 $\pm$ 1.152 χ^2 /NDF: 2266.2/16

Left Out: 111.545 $\pm$ 0.399 χ^2 /NDF: 4051.6/22

Right Out: 162.664 $\pm$ 1.179 χ^2 /NDF: 1708.8/18

Left In: 110.563 $\pm$ 0.391 χ^2 /NDF: 3665.0/21

Left: 111.044 $\pm$ 0.279 χ^2 /NDF: 7719.6/44

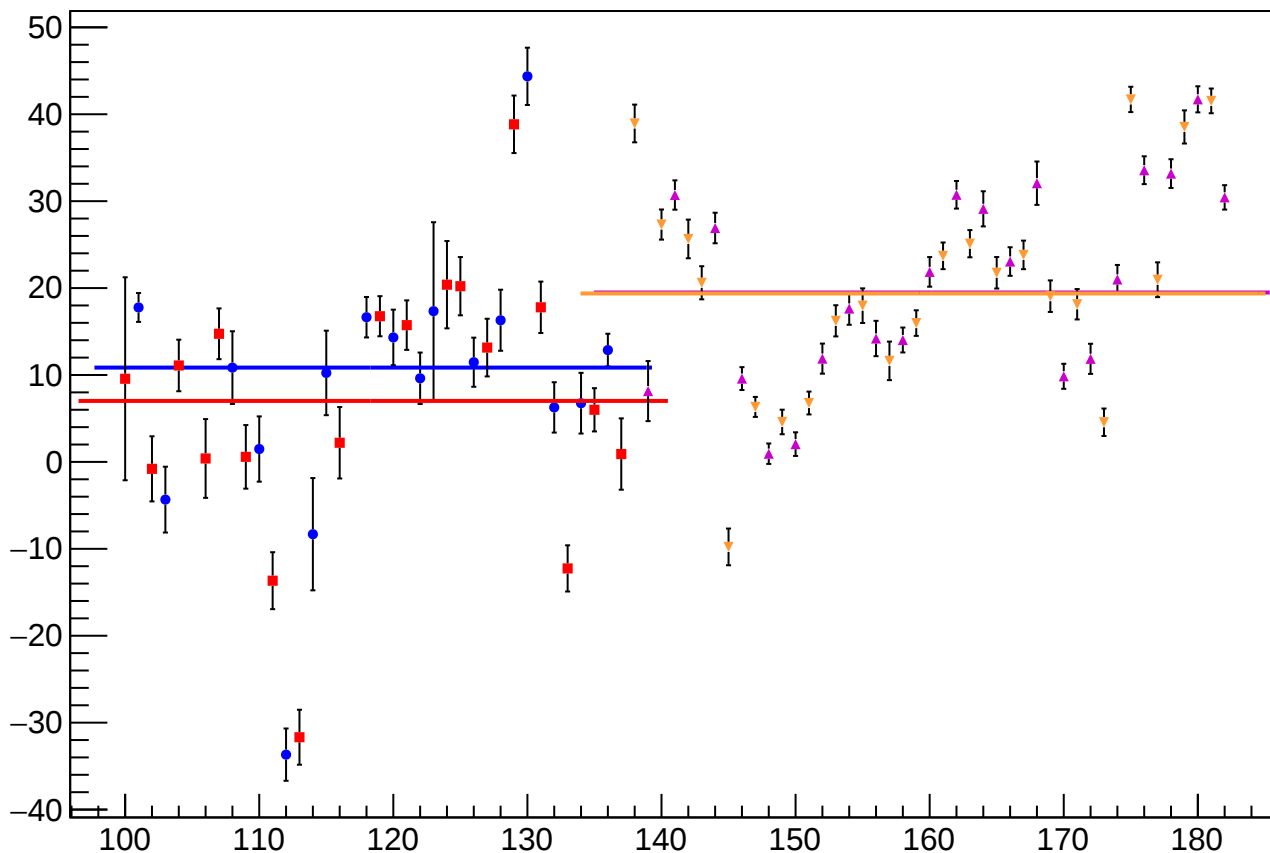
Right: 157.859 $\pm$ 0.824 χ^2 /NDF: 4007.5/35

In: 114.980 $\pm$ 0.370 χ^2 /NDF: 7163.5/38

Out: 116.804 $\pm$ 0.378 χ^2 /NDF: 7448.2/41

All: 115.874 $\pm$ 0.265 χ^2 /NDF: 14623.5/80

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.853 $\pm$ 0.721 χ^2 /NDF: 386.3/16

Left Out: 19.380 $\pm$ 0.346 χ^2 /NDF:1350.4/22

Right Out: 7.016 $\pm$ 0.749 χ^2 /NDF: 423.3/18

Left In: 19.493 $\pm$ 0.346 χ^2 /NDF:1180.7/21

Left: 19.436 $\pm$ 0.245 χ^2 /NDF: 2531.2/44

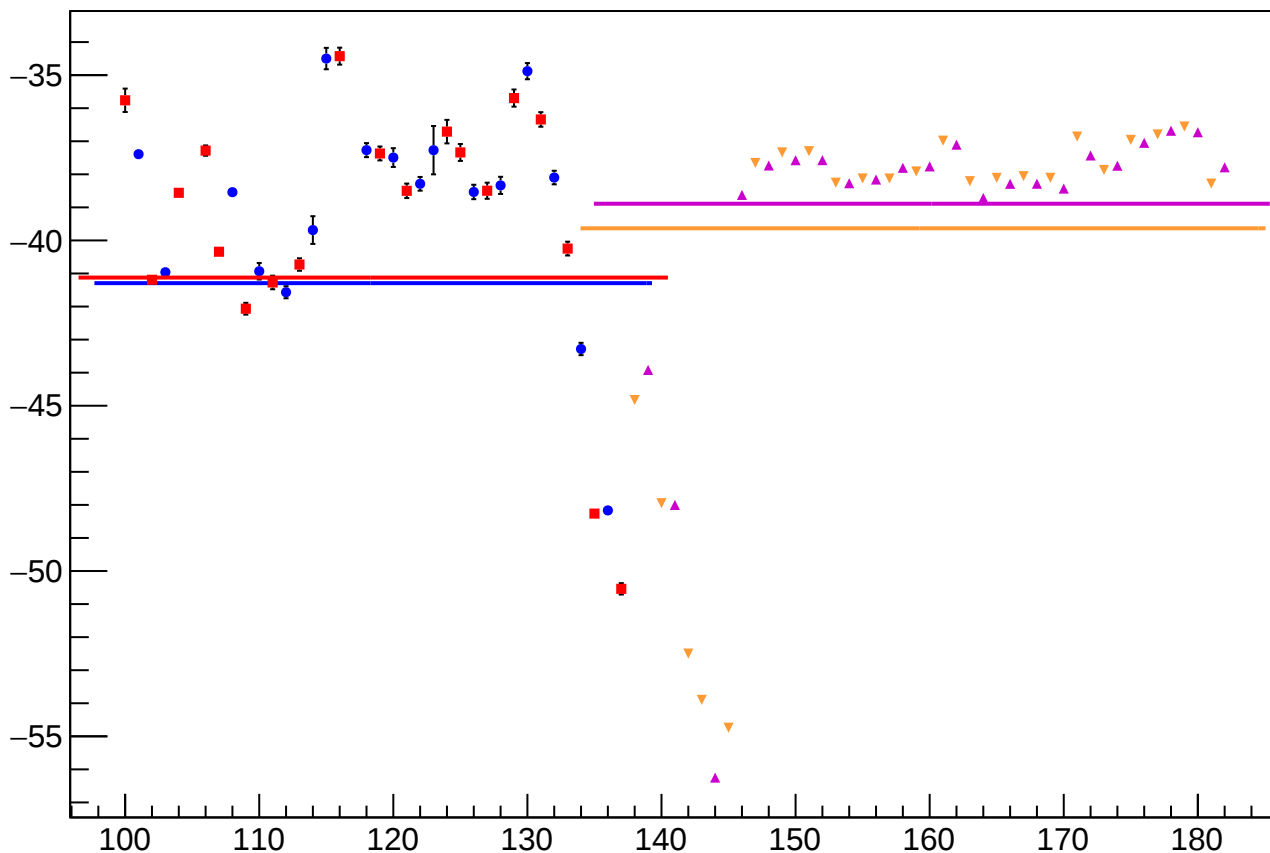
Right: 9.008 $\pm$ 0.519 χ^2 /NDF: 823.3/35

In: 17.874 $\pm$ 0.312 χ^2 /NDF:1683.9/38

Out: 17.201 $\pm$ 0.314 χ^2 /NDF:1998.4/41

All: 17.540 $\pm$ 0.221 χ^2 /NDF: 3684.5/80

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.292+/-0.039 χ^2/NDF : 12502.4/16

Left Out: -39.633+/-0.016 χ^2/NDF : 87740.7/22

Right Out: -41.123+/-0.039 χ^2/NDF : 12115.0/18

Left In: -38.890+/-0.016 χ^2/NDF : 53392.8/21

Left: -39.254+/-0.011 χ^2/NDF : 142185.0/44

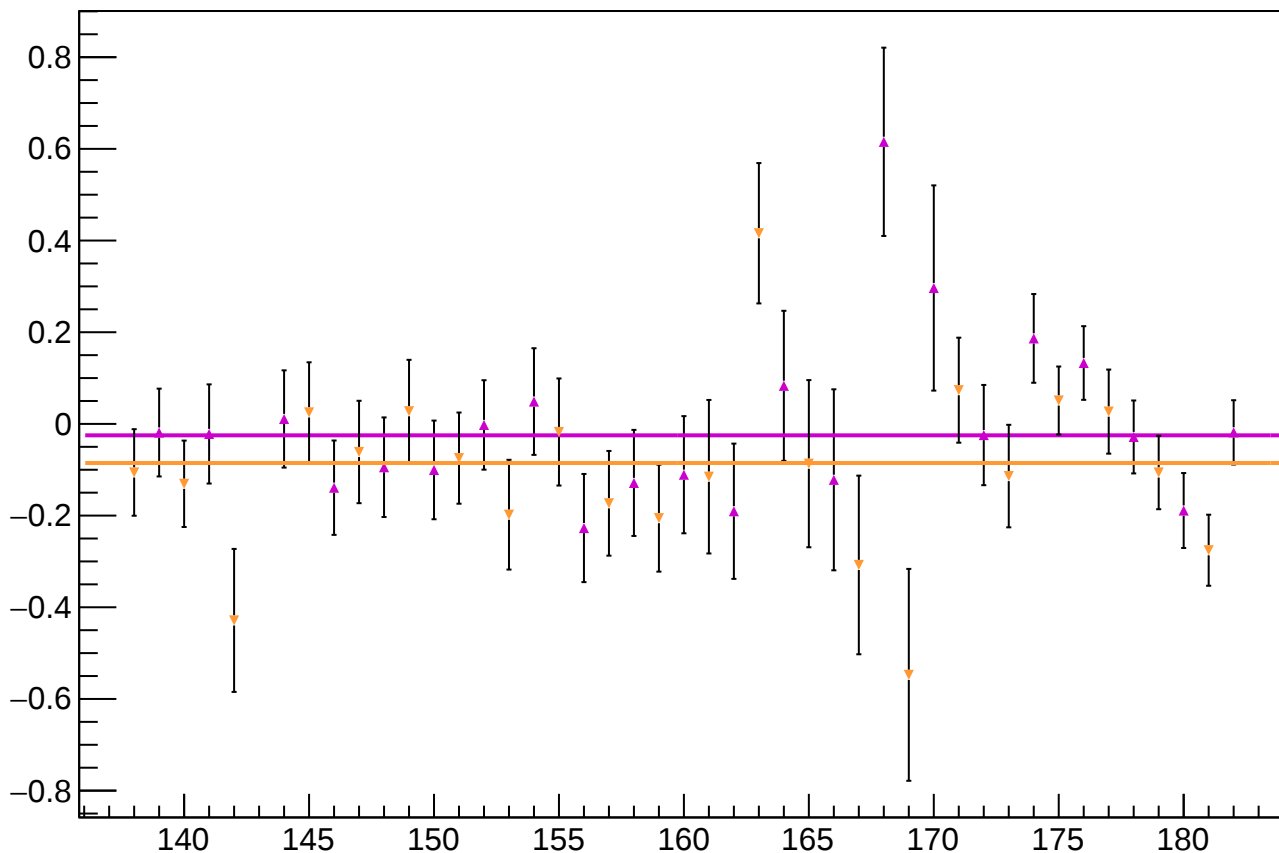
Right: -41.208+/-0.027 χ^2/NDF : 24627.0/35

In: -39.244+/-0.015 χ^2/NDF : 69191.8/38

Out: -39.860+/-0.015 χ^2/NDF : 101113.0/41

All: -39.546+/-0.011 χ^2/NDF : 171153.9/80

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: -0.085 $\pm$ 0.023 χ^2 /NDF:39.1/21

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

Left In: -0.025 $\pm$ 0.023 χ^2 /NDF:33.3/21

Left: -0.054 $\pm$ 0.016 χ^2 /NDF: 75.8/43

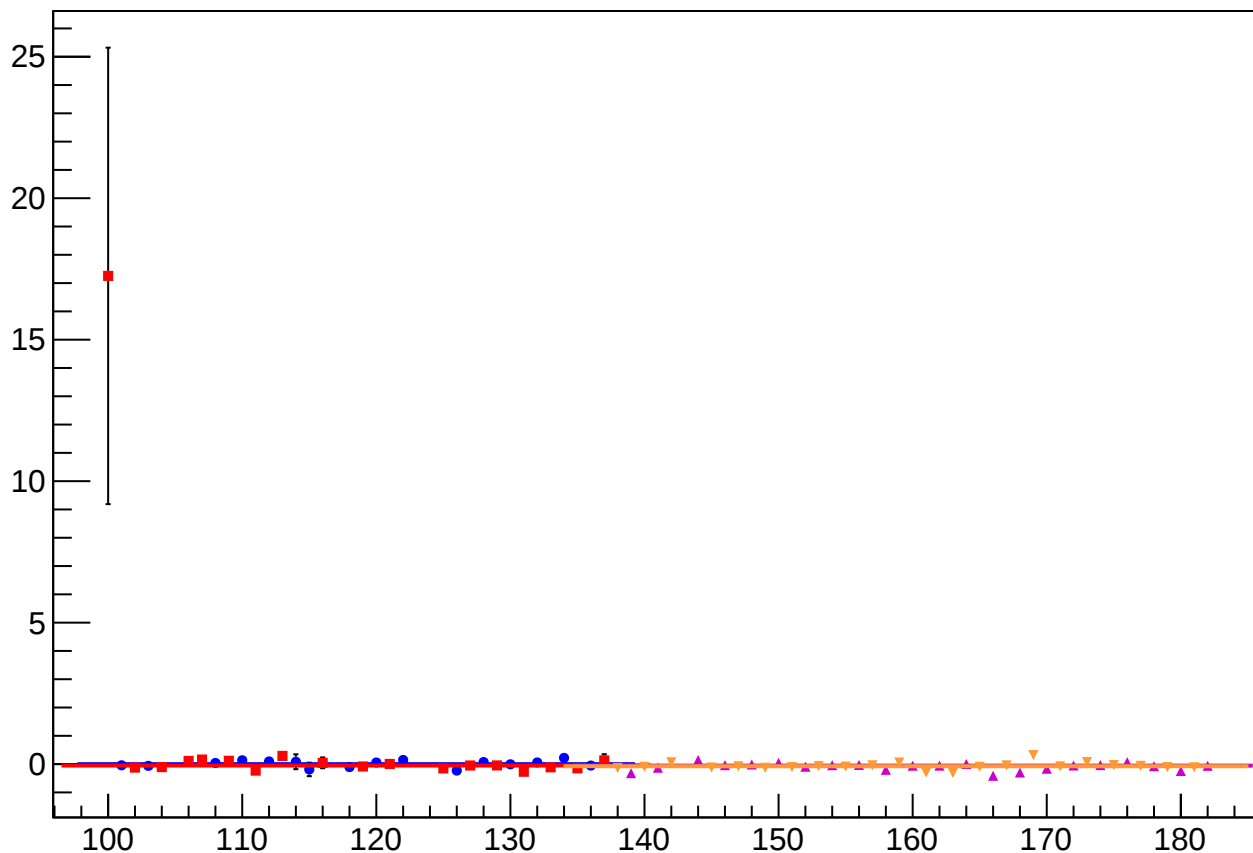
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.025 $\pm$ 0.023 χ^2 /NDF:33.3/21

Out: -0.085 $\pm$ 0.023 χ^2 /NDF:39.1/21

All: -0.054 $\pm$ 0.016 χ^2 /NDF: 75.8/43

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.002 ± 0.029 χ^2/NDF : 12.7/15

Left Out: -0.075 ± 0.018 χ^2/NDF : 23.4/21

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.5/17

Left In: -0.054 ± 0.018 χ^2/NDF : 31.3/21

Left: -0.064 ± 0.013 χ^2/NDF : 55.4/43

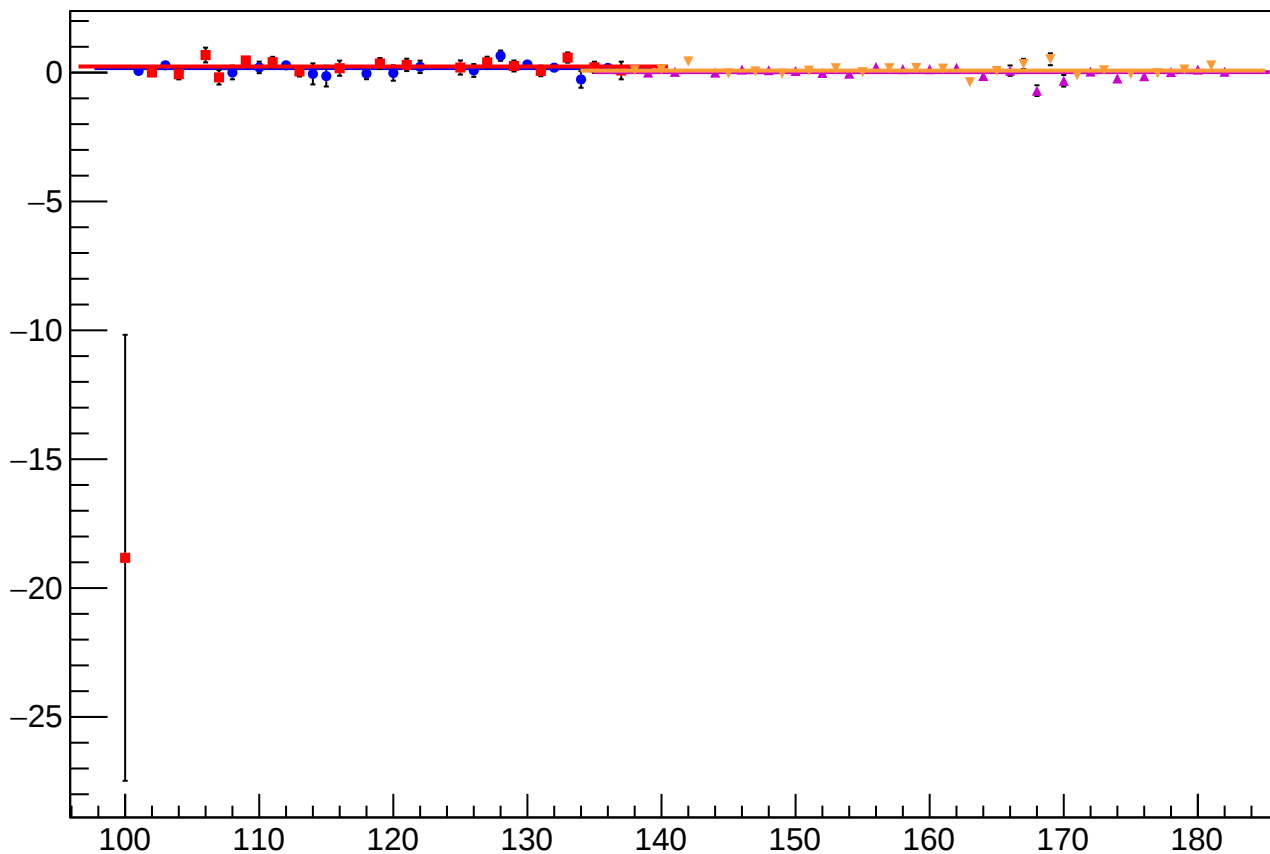
Right: -0.025 ± 0.020 χ^2/NDF : 39.6/33

In: -0.039 ± 0.015 χ^2/NDF : 46.3/37

Out: -0.068 ± 0.015 χ^2/NDF : 49.5/39

All: -0.053 ± 0.011 χ^2/NDF : 97.6/77

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.174 $\pm$ 0.053 χ^2 /NDF: 12.4/15

Left Out: 0.077 $\pm$ 0.023 χ^2 /NDF:37.7/21

Right Out: 0.236 $\pm$ 0.054 χ^2 /NDF: 21.5/17

Left In: 0.018 $\pm$ 0.023 χ^2 /NDF:35.2/21

Left: 0.047 $\pm$ 0.016 χ^2 /NDF: 76.3/43

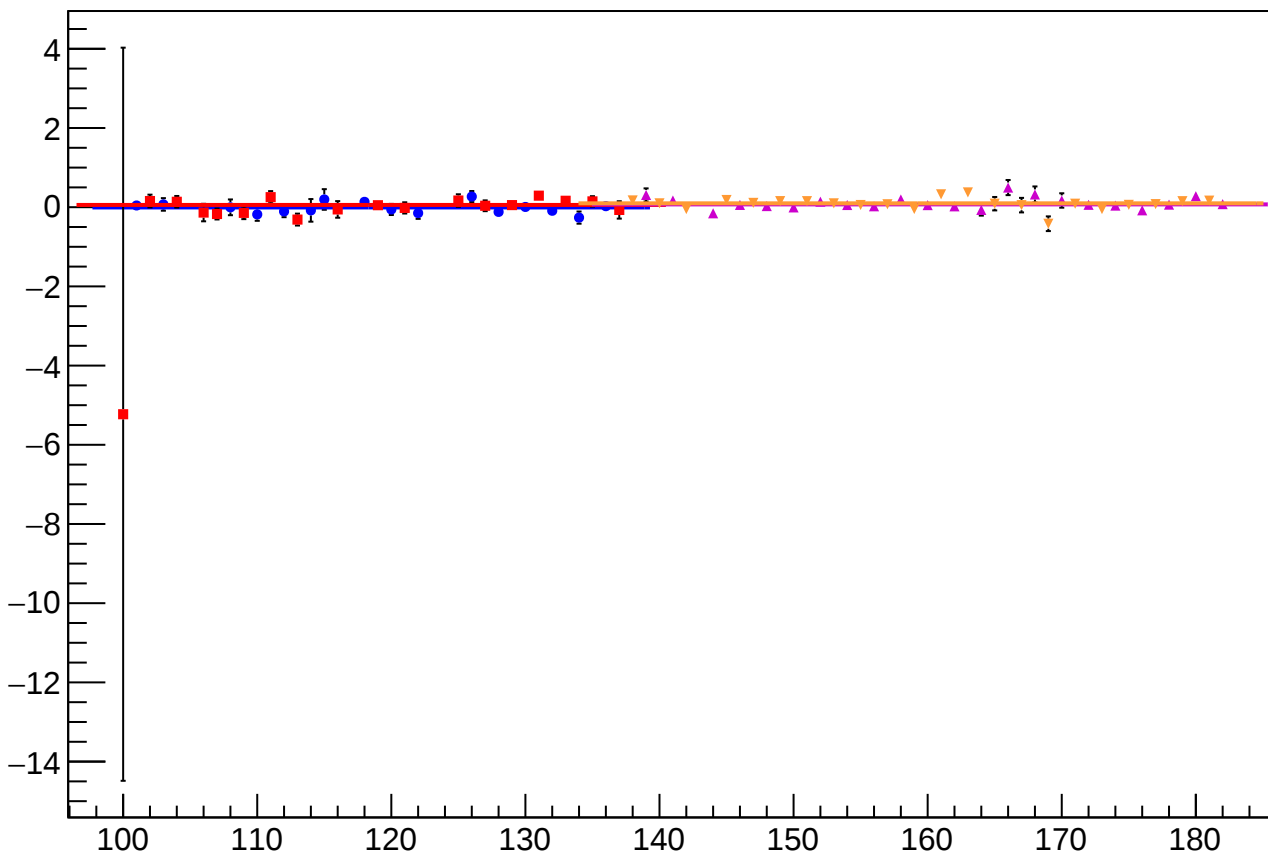
Right: 0.204 $\pm$ 0.038 χ^2 /NDF: 34.6/33

In: 0.042 $\pm$ 0.021 χ^2 /NDF:55.1/37

Out: 0.102 $\pm$ 0.021 χ^2 /NDF:66.5/39

All: 0.071 $\pm$ 0.015 χ^2 /NDF: 125.6/77

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.033 χ^2/NDF : 14.1/15

Left Out: 0.098 ± 0.021 χ^2/NDF : 26.5/21

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

Left In: 0.071 ± 0.020 χ^2/NDF : 31.1/21

Left: 0.084 ± 0.014 χ^2/NDF : 58.5/43

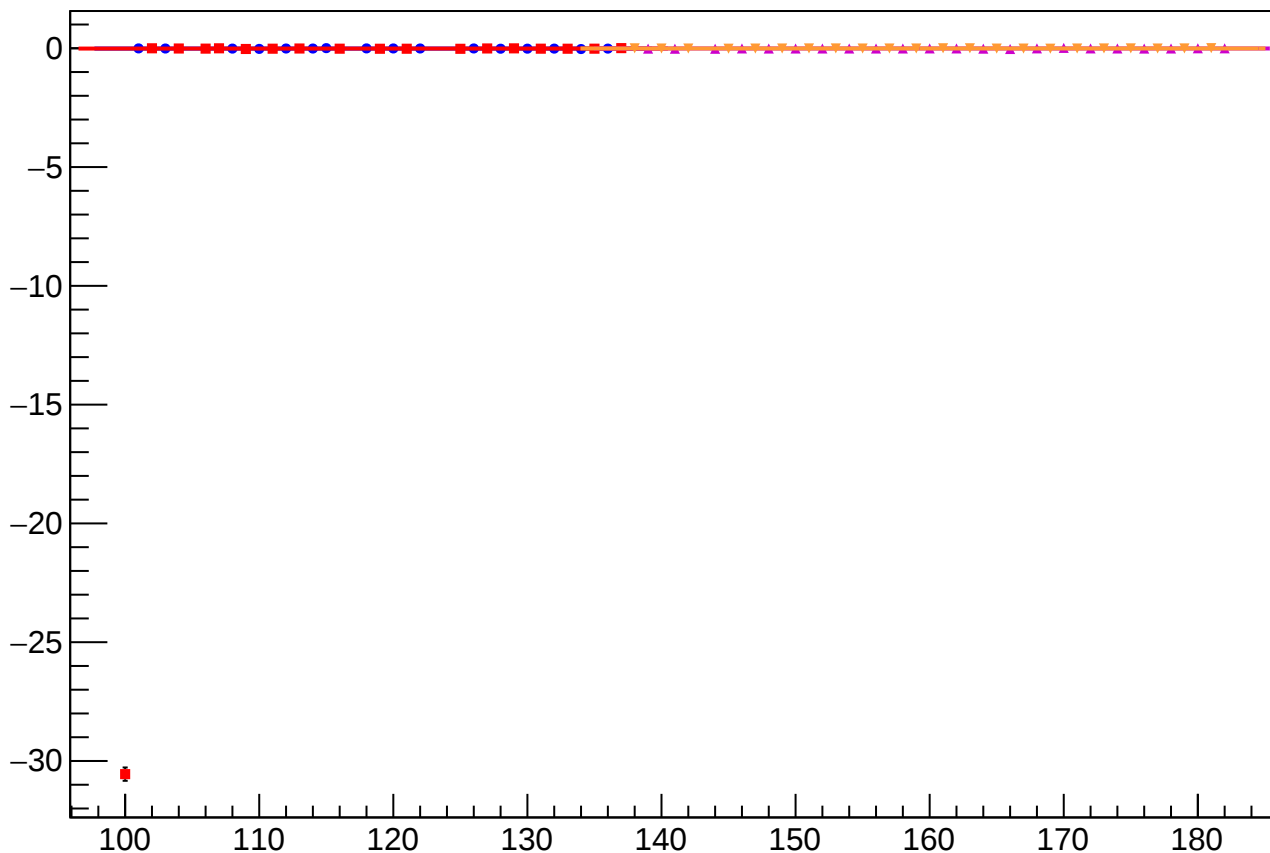
Right: 0.024 ± 0.024 χ^2/NDF : 36.2/33

In: 0.050 ± 0.017 χ^2/NDF : 49.1/37

Out: 0.087 ± 0.018 χ^2/NDF : 47.9/39

All: 0.068 ± 0.012 χ^2/NDF : 99.3/77

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.007 $\pm$ 0.001 χ^2 /NDF: 25.2/21

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11890.8/17

Left In: -0.009 $\pm$ 0.001 χ^2 /NDF: 40.8/21

Left: -0.008 $\pm$ 0.001 χ^2 /NDF: 67.0/43

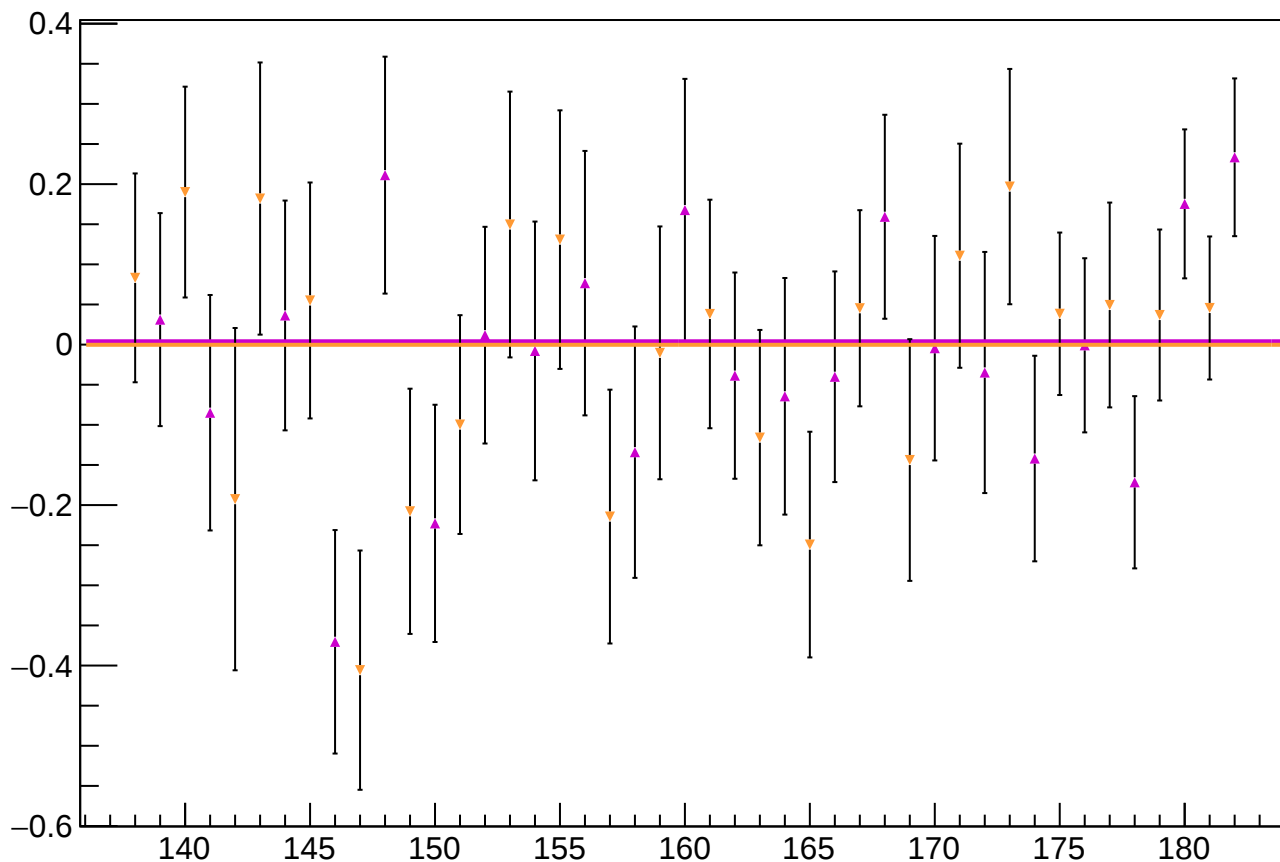
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11903.5/33

In: -0.009 $\pm$ 0.001 χ^2 /NDF: 56.0/37

Out: -0.008 $\pm$ 0.001 χ^2 /NDF: 11921.0/39

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 11977.7/77

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: -0.000 $\pm$ 0.028 χ^2 /NDF:25.8/22

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

Left In: 0.004 $\pm$ 0.028 χ^2 /NDF:28.8/21

Left: 0.002 $\pm$ 0.020 χ^2 /NDF: 54.7/44

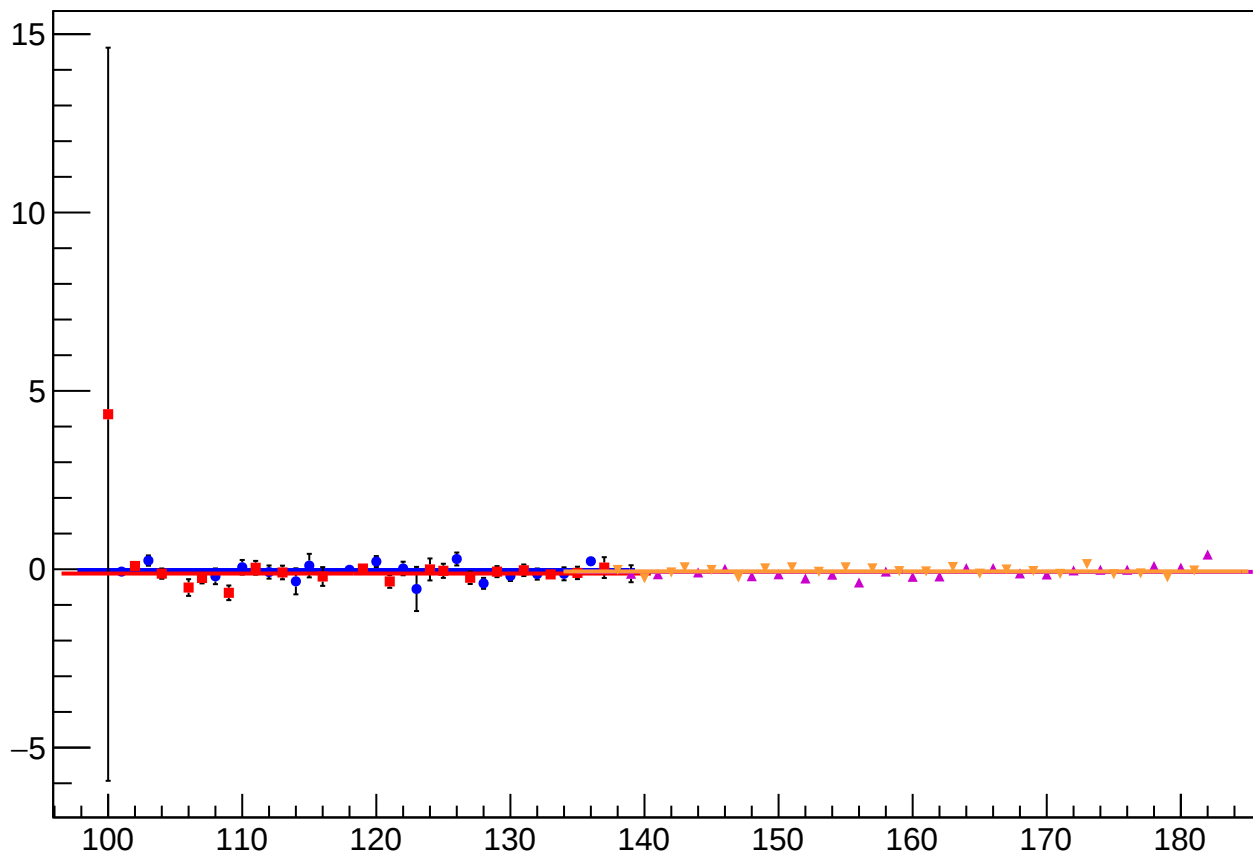
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.004 $\pm$ 0.028 χ^2 /NDF:28.8/21

Out: -0.000 $\pm$ 0.028 χ^2 /NDF:25.8/22

All: 0.002 $\pm$ 0.020 χ^2 /NDF: 54.7/44

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.022+/-0.037 χ^2/NDF : 22.9/16

Left Out: -0.061+/-0.022 χ^2/NDF : 24.2/22

Right Out: -0.120+/-0.039 χ^2/NDF : 18.5/18

Left In: -0.074+/-0.022 χ^2/NDF : 48.0/21

Left: -0.068+/-0.016 χ^2/NDF : 72.4/44

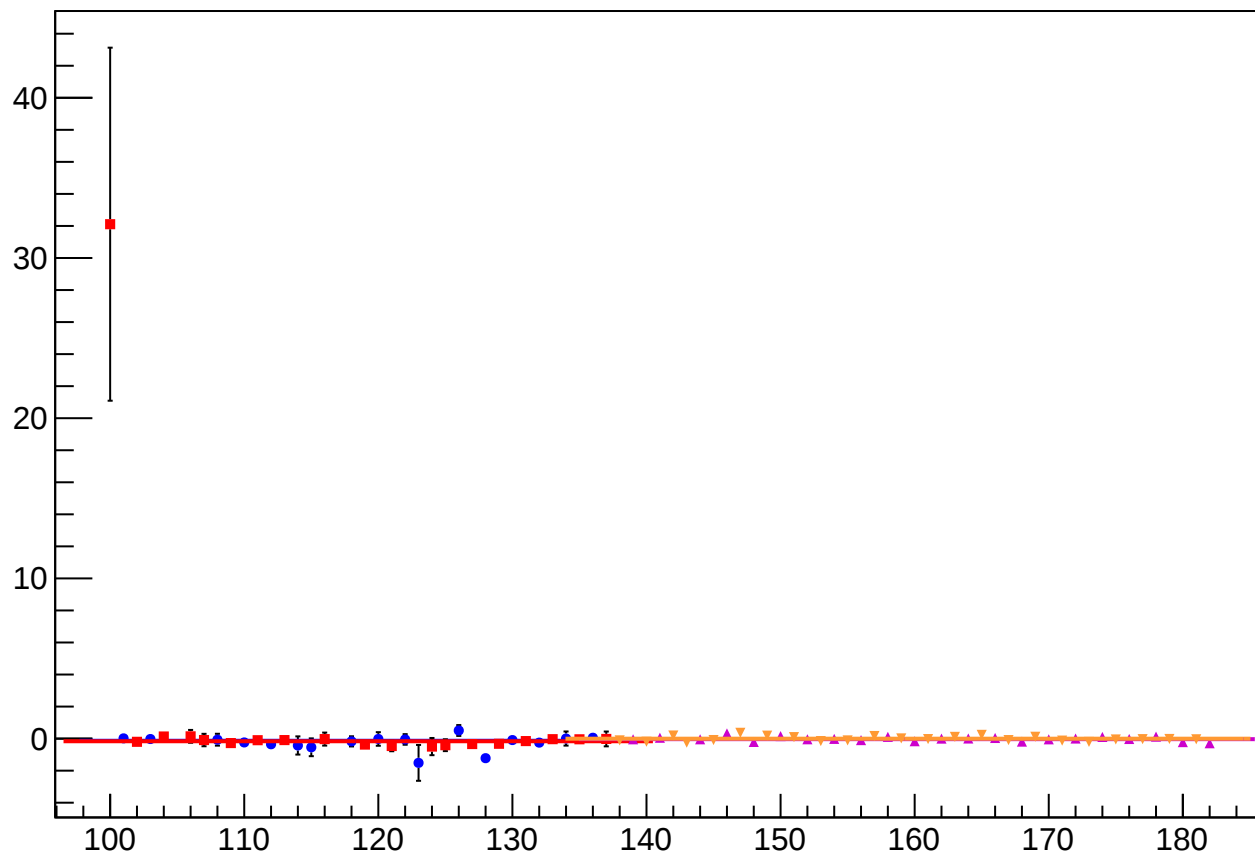
Right: -0.068+/-0.027 χ^2/NDF : 44.7/35

In: -0.060+/-0.019 χ^2/NDF : 72.4/38

Out: -0.075+/-0.019 χ^2/NDF : 44.4/41

All: -0.068+/-0.013 χ^2/NDF : 117.1/80

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.135 ± 0.067 χ^2/NDF : 24.7/16

Left Out: -0.005 ± 0.028 χ^2/NDF : 25.1/22

Right Out: -0.164 ± 0.071 χ^2/NDF : 14.4/18

Left In: -0.034 ± 0.028 χ^2/NDF : 28.3/21

Left: -0.020 ± 0.020 χ^2/NDF : 54.0/44

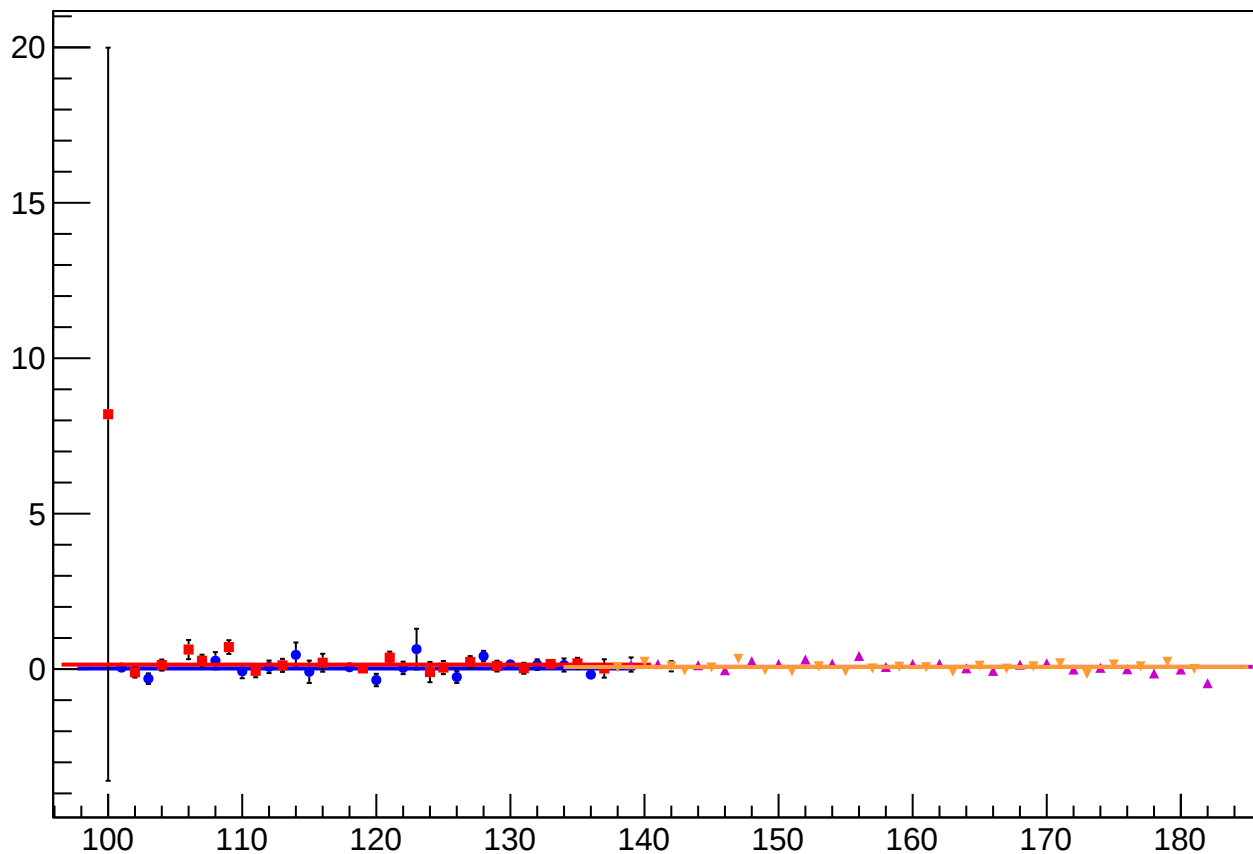
Right: -0.149 ± 0.049 χ^2/NDF : 39.2/35

In: -0.049 ± 0.026 χ^2/NDF : 55.0/38

Out: -0.026 ± 0.026 χ^2/NDF : 43.9/41

All: -0.038 ± 0.018 χ^2/NDF : 99.2/80

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.019+/-0.043 χ^2/NDF : 21.6/16

Left Out: 0.067+/-0.025 χ^2/NDF :23.4/22

Right Out: 0.144+/-0.045 χ^2/NDF : 16.8/18

Left In: 0.073+/-0.025 χ^2/NDF :50.4/21

Left: 0.070+/-0.018 χ^2/NDF : 73.9/44

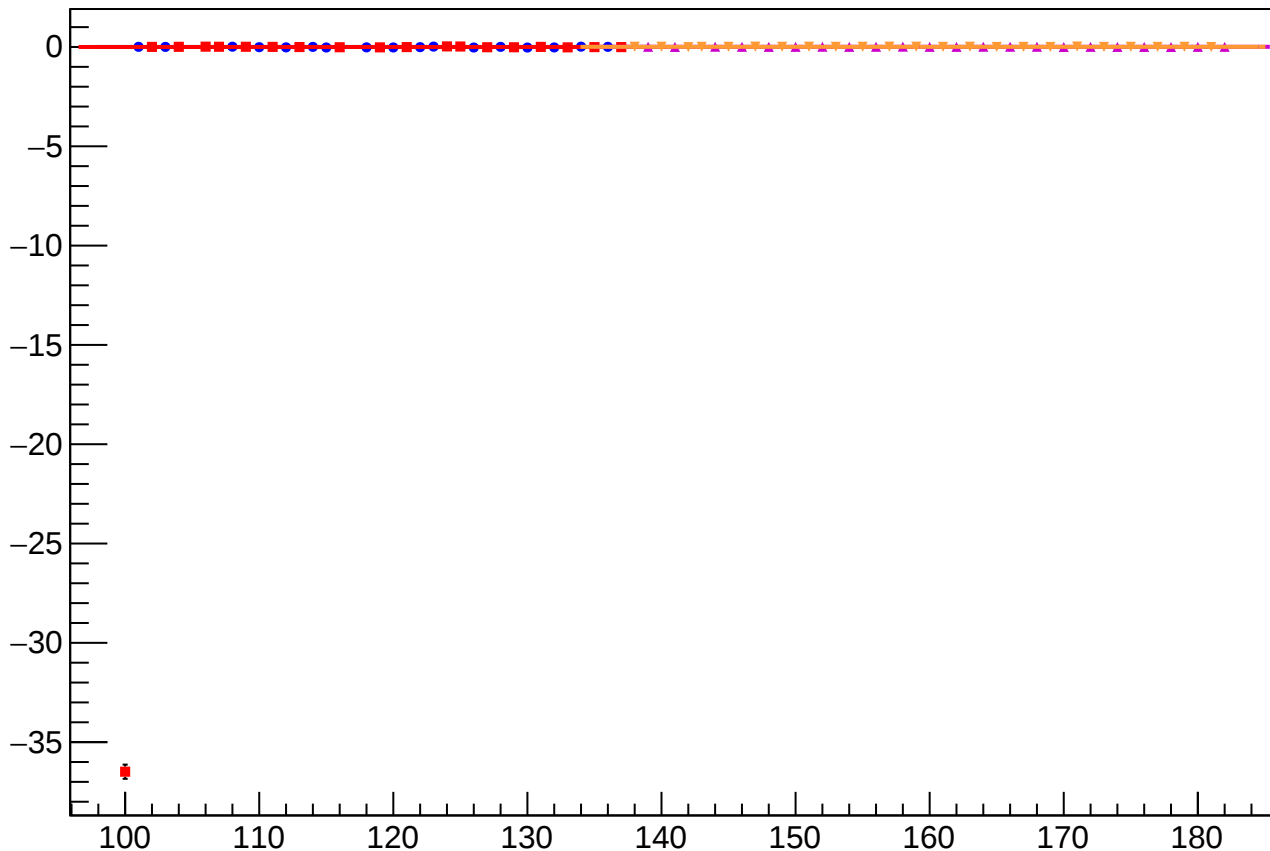
Right: 0.077+/-0.031 χ^2/NDF : 42.5/35

In: 0.059+/-0.022 χ^2/NDF :73.2/38

Out: 0.085+/-0.022 χ^2/NDF :42.5/41

All: 0.071+/-0.015 χ^2/NDF : 116.4/80

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.5/16

Left Out: 0.008 $\pm$ 0.001 χ^2 /NDF:24.5/22

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.2/18

Left In: 0.009 $\pm$ 0.001 χ^2 /NDF:14.4/21

Left: 0.009 $\pm$ 0.001 χ^2 /NDF: 39.1/44

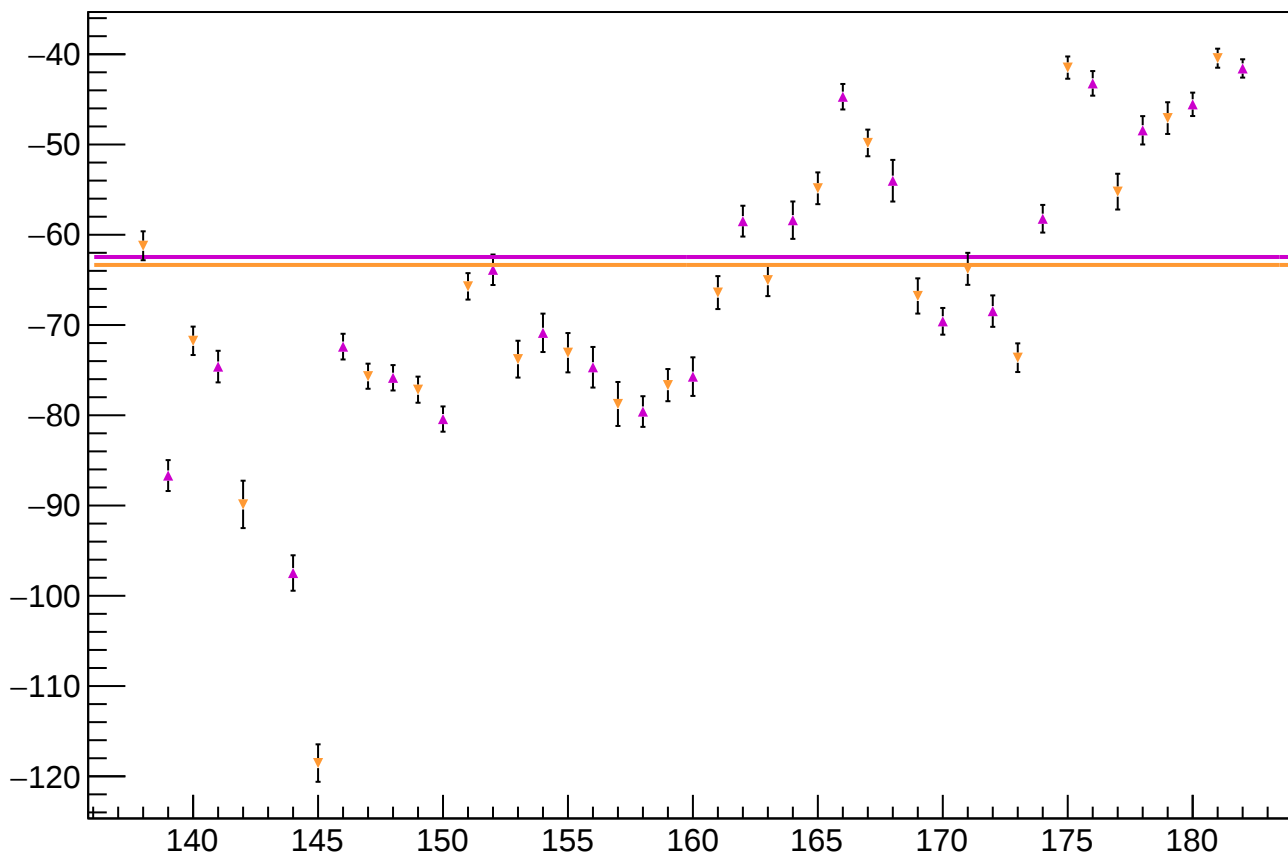
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10479.7/35

In: 0.007 $\pm$ 0.001 χ^2 /NDF:54.7/38

Out: 0.007 $\pm$ 0.001 χ^2 /NDF:10482.8/41

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10537.6/80

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: -63.344+/-0.352 χ^2/NDF :2197.9/21

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

Left In: -62.463+/-0.338 χ^2/NDF :2151.5/21

Left: -62.886+/-0.244 χ^2/NDF : 4352.7/43

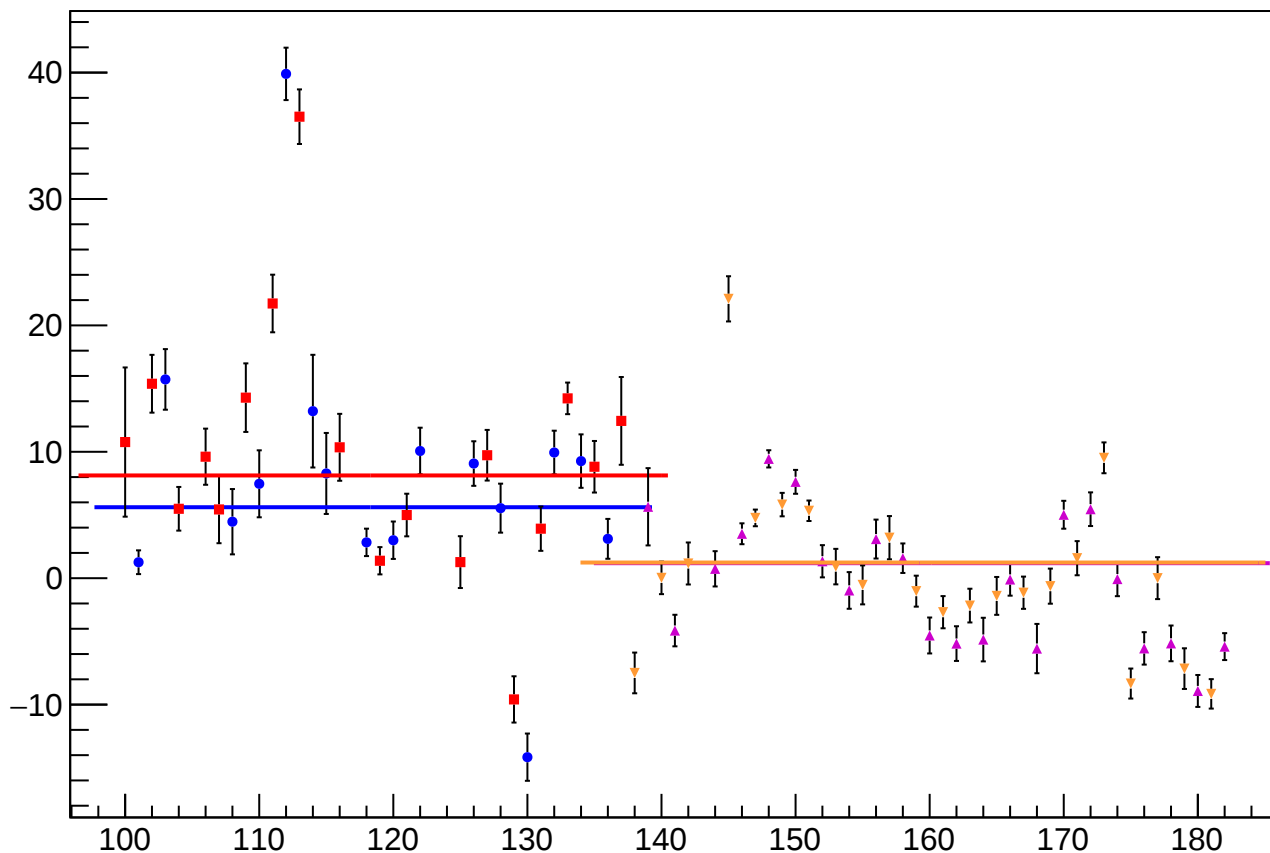
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -62.463+/-0.338 χ^2/NDF :2151.5/21

Out: -63.344+/-0.352 χ^2/NDF :2197.9/21

All: -62.886+/-0.244 χ^2/NDF : 4352.7/43

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.615 $\pm$ 0.430 χ^2 /NDF: 460.0/15

Left Out: 1.239 $\pm$ 0.260 χ^2 /NDF: 494.2/21

Right Out: 8.129 $\pm$ 0.453 χ^2 /NDF: 407.7/17

Left In: 1.187 $\pm$ 0.258 χ^2 /NDF: 461.7/21

Left: 1.213 $\pm$ 0.183 χ^2 /NDF: 955.9/43

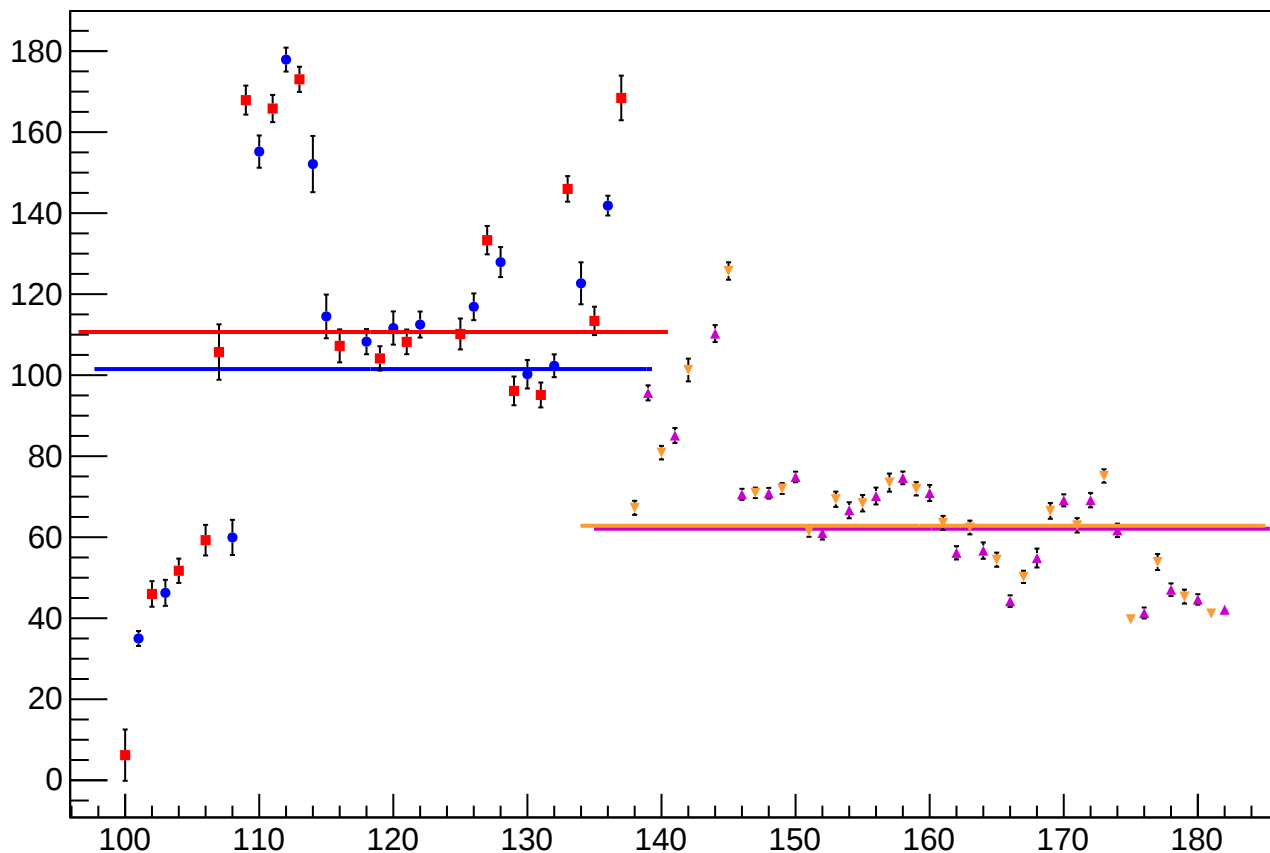
Right: 6.805 $\pm$ 0.312 χ^2 /NDF: 883.9/33

In: 2.360 $\pm$ 0.221 χ^2 /NDF: 999.7/37

Out: 2.948 $\pm$ 0.226 χ^2 /NDF: 1075.6/39

All: 2.648 $\pm$ 0.158 χ^2 /NDF: 2078.8/77

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.513 $\pm$ 0.813 χ^2/NDF : 2973.2/15

Left Out: 62.833 $\pm$ 0.349 χ^2/NDF :2337.1/21

Right Out: 110.660 $\pm$ 0.838 χ^2/NDF : 2514.2/17

Left In: 62.095 $\pm$ 0.335 χ^2/NDF :2385.1/21

Left: 62.449 $\pm$ 0.242 χ^2/NDF : 4724.5/43

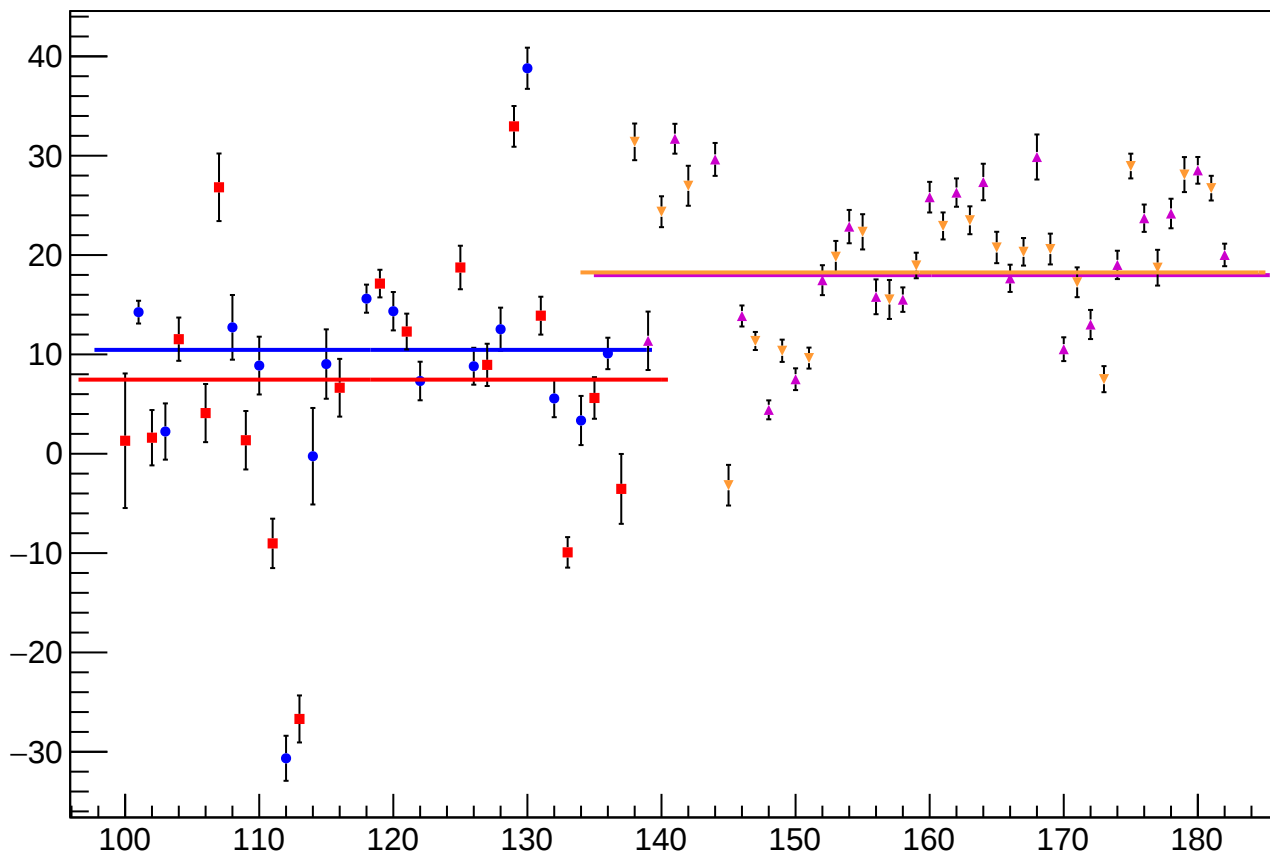
Right: 105.953 $\pm$ 0.584 χ^2/NDF : 5548.8/33

In: 67.811 $\pm$ 0.310 χ^2/NDF :7366.2/37

Out: 69.893 $\pm$ 0.322 χ^2/NDF :7631.1/39

All: 68.813 $\pm$ 0.223 χ^2/NDF : 15019.0/77

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.455+/-0.498 χ^2/NDF : 577.9/15

Left Out: 18.251+/-0.301 χ^2/NDF : 629.2/21

Right Out: 7.460+/-0.524 χ^2/NDF : 686.5/17

Left In: 17.977+/-0.296 χ^2/NDF : 724.6/21

Left: 18.112+/-0.211 χ^2/NDF : 1354.2/43

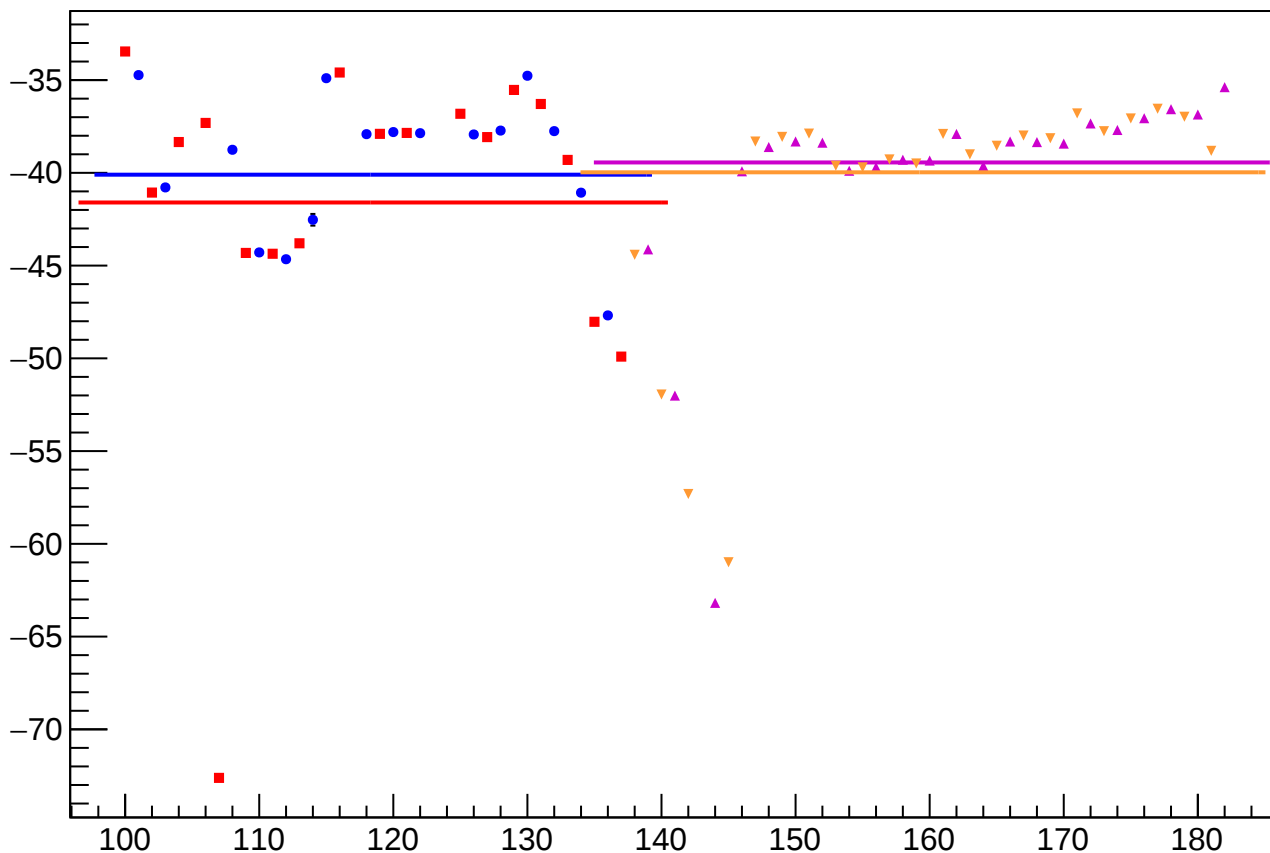
Right: 9.034+/-0.361 χ^2/NDF : 1281.6/33

In: 16.017+/-0.254 χ^2/NDF : 1471.1/37

Out: 15.570+/-0.261 χ^2/NDF : 1634.2/39

All: 15.800+/-0.182 χ^2/NDF : 3106.8/77

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.100 ± 0.028 $\chi^2/\text{NDF}: 25059.4/15$

Left Out: -39.971 ± 0.014 $\chi^2/\text{NDF}: 131623.8/21$

Right Out: -41.598 ± 0.029 $\chi^2/\text{NDF}: 61674.8/17$

Left In: -39.440 ± 0.014 $\chi^2/\text{NDF}: 114752.6/21$

Left: -39.695 ± 0.010 $\chi^2/\text{NDF}: 247090.4/43$

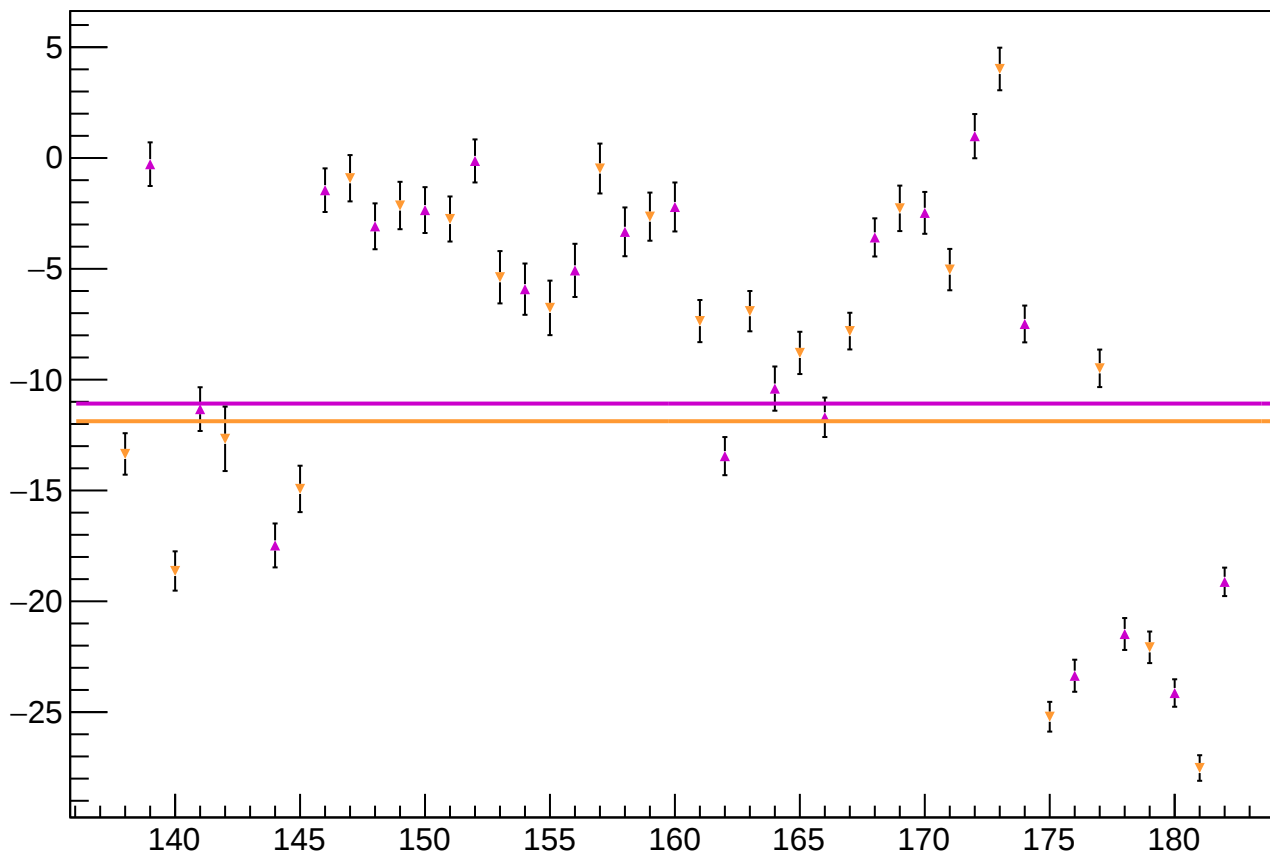
Right: -40.841 ± 0.020 $\chi^2/\text{NDF}: 88118.0/33$

In: -39.566 ± 0.012 $\chi^2/\text{NDF}: 140250.0/37$

Out: -40.298 ± 0.013 $\chi^2/\text{NDF}: 195879.3/39$

All: -39.919 ± 0.009 $\chi^2/\text{NDF}: 337814.0/77$

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -11.875 $\pm$ 0.195 χ^2/NDF :2410.1/21

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

Left In: -11.079 $\pm$ 0.191 χ^2/NDF :2104.6/21

Left: -11.468 $\pm$ 0.136 χ^2/NDF : 4523.2/43

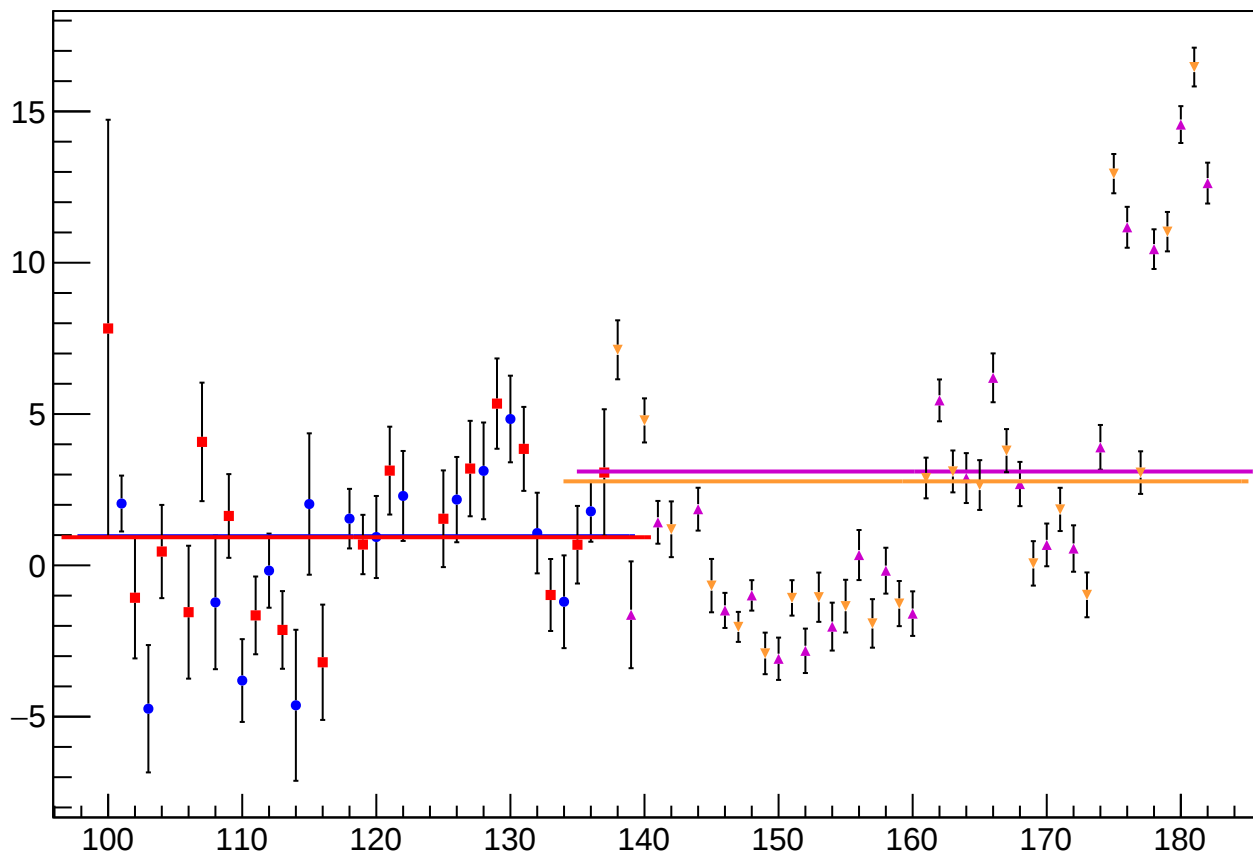
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -11.079 $\pm$ 0.191 χ^2/NDF :2104.6/21

Out: -11.875 $\pm$ 0.195 χ^2/NDF :2410.1/21

All: -11.468 $\pm$ 0.136 χ^2/NDF : 4523.2/43

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.963 ± 0.342 χ^2/NDF : 41.6/15

Left Out: 2.776 ± 0.152 χ^2/NDF : 1265.8/21

Right Out: 0.929 ± 0.354 χ^2/NDF : 42.1/17

Left In: 3.101 ± 0.151 χ^2/NDF : 1273.5/21

Left: 2.939 ± 0.107 χ^2/NDF : 2541.6/43

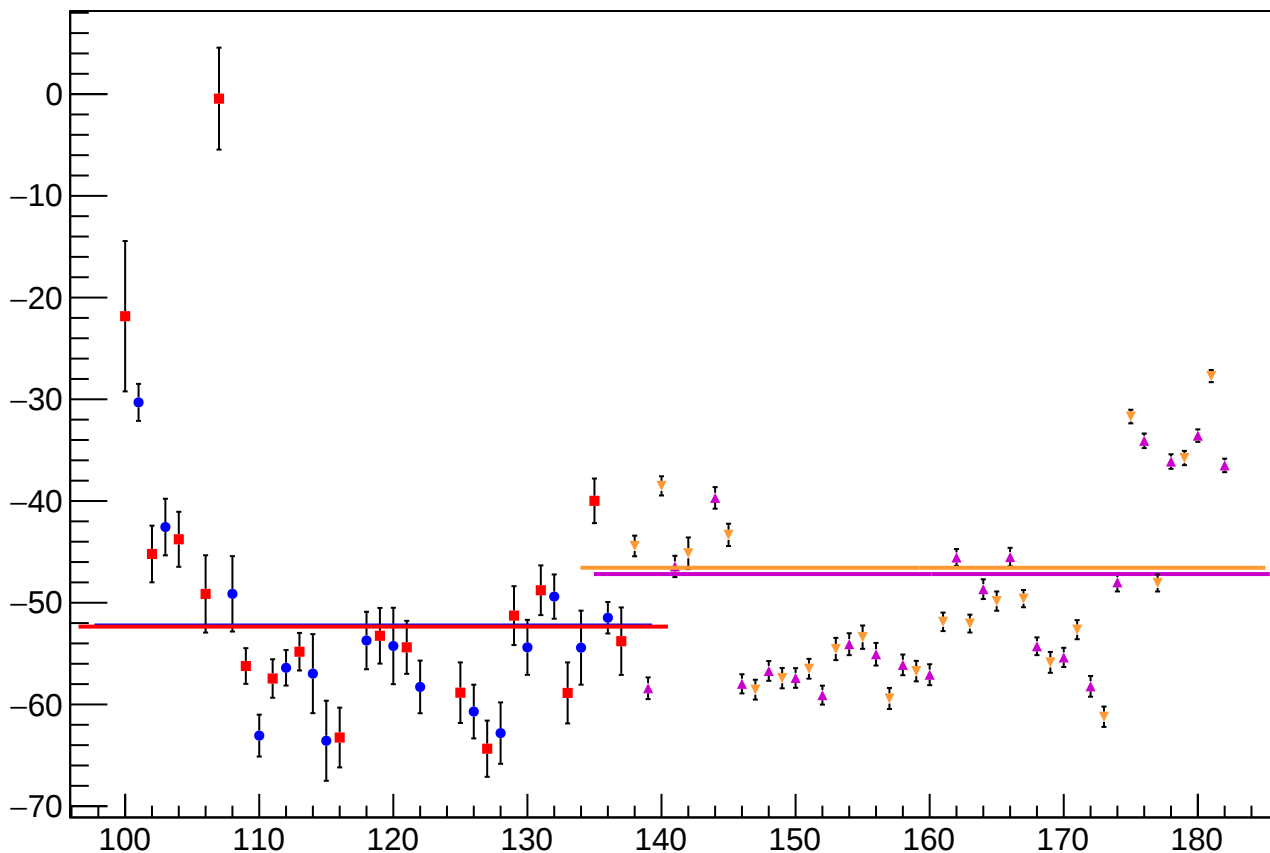
Right: 0.947 ± 0.246 χ^2/NDF : 83.7/33

In: 2.751 ± 0.138 χ^2/NDF : 1347.8/37

Out: 2.488 ± 0.140 χ^2/NDF : 1330.8/39

All: 2.621 ± 0.098 χ^2/NDF : 2680.4/77

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.238 ± 0.616 χ^2/NDF : 232.7/15

Left Out: -46.560 ± 0.194 χ^2/NDF : 2957.2/21

Right Out: -52.347 ± 0.617 χ^2/NDF : 232.8/17

Left In: -47.181 ± 0.190 χ^2/NDF : 2512.7/21

Left: -46.879 ± 0.136 χ^2/NDF : 5475.2/43

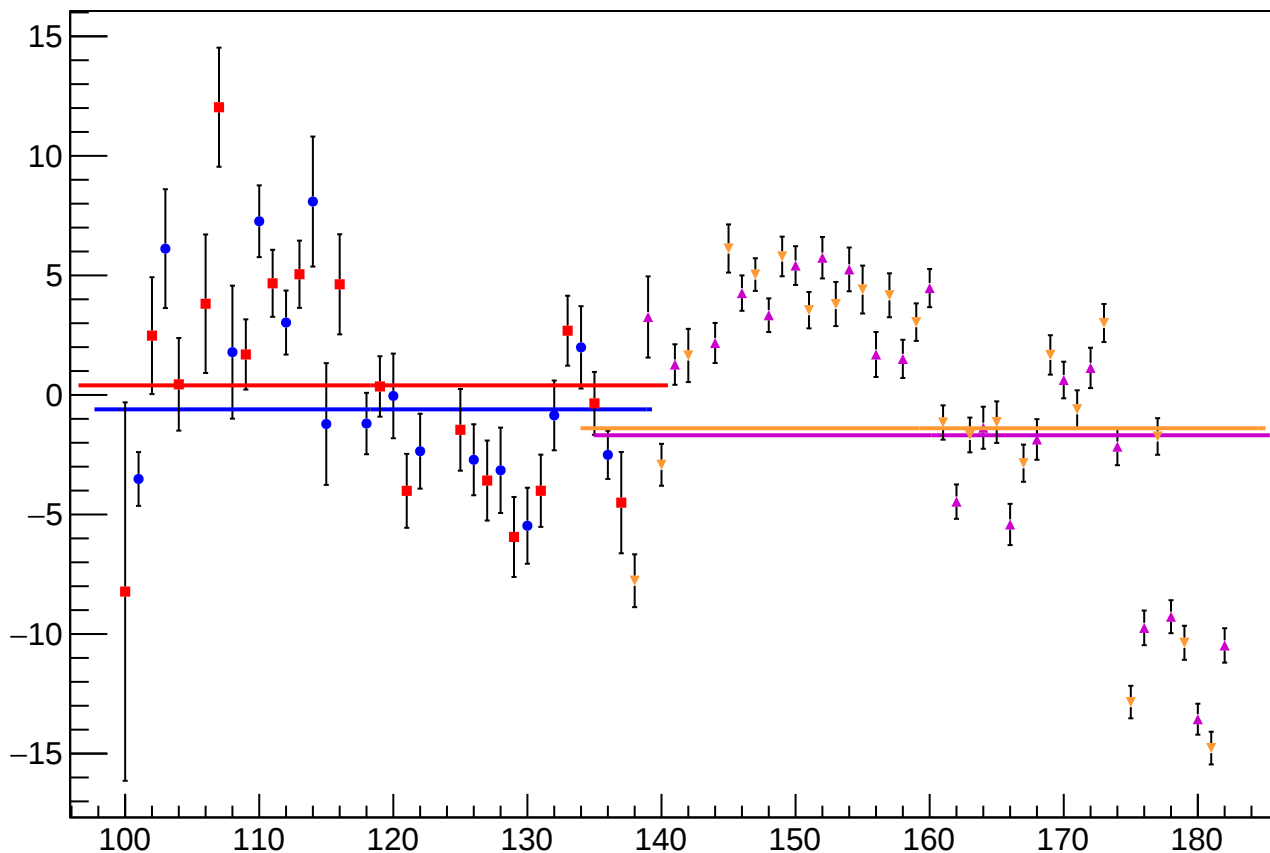
Right: -52.293 ± 0.436 χ^2/NDF : 465.5/33

In: -47.619 ± 0.181 χ^2/NDF : 2807.1/37

Out: -47.083 ± 0.185 χ^2/NDF : 3270.0/39

All: -47.357 ± 0.130 χ^2/NDF : 6081.4/77

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.603 ± 0.388 χ^2/NDF : 80.7/15

Left Out: -1.393 ± 0.172 χ^2/NDF : 1314.3/21

Right Out: 0.401 ± 0.400 χ^2/NDF : 96.2/17

Left In: -1.686 ± 0.171 χ^2/NDF : 1238.4/21

Left: -1.541 ± 0.121 χ^2/NDF : 2554.1/43

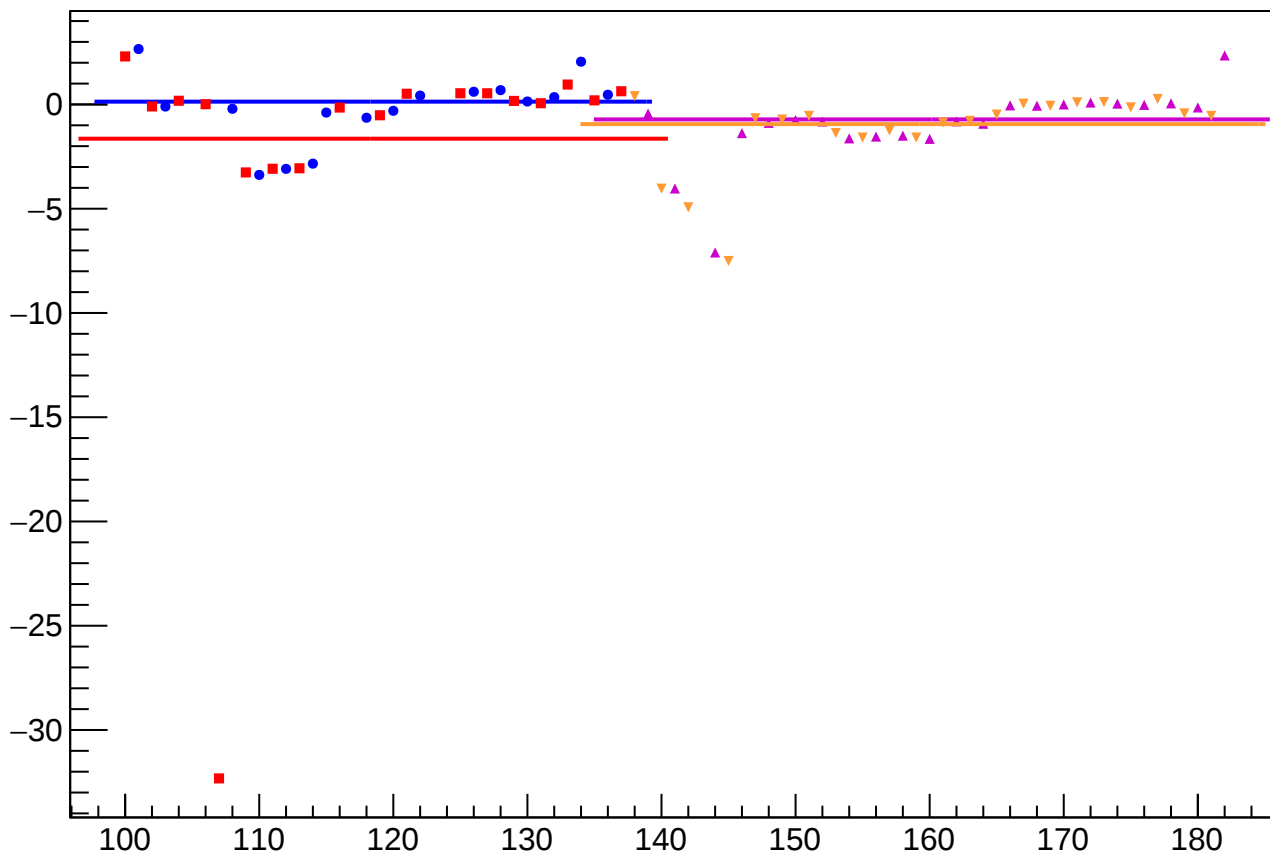
Right: -0.117 ± 0.278 χ^2/NDF : 180.1/33

In: -1.510 ± 0.156 χ^2/NDF : 1325.6/37

Out: -1.112 ± 0.158 χ^2/NDF : 1427.4/39

All: -1.314 ± 0.111 χ^2/NDF : 2756.2/77

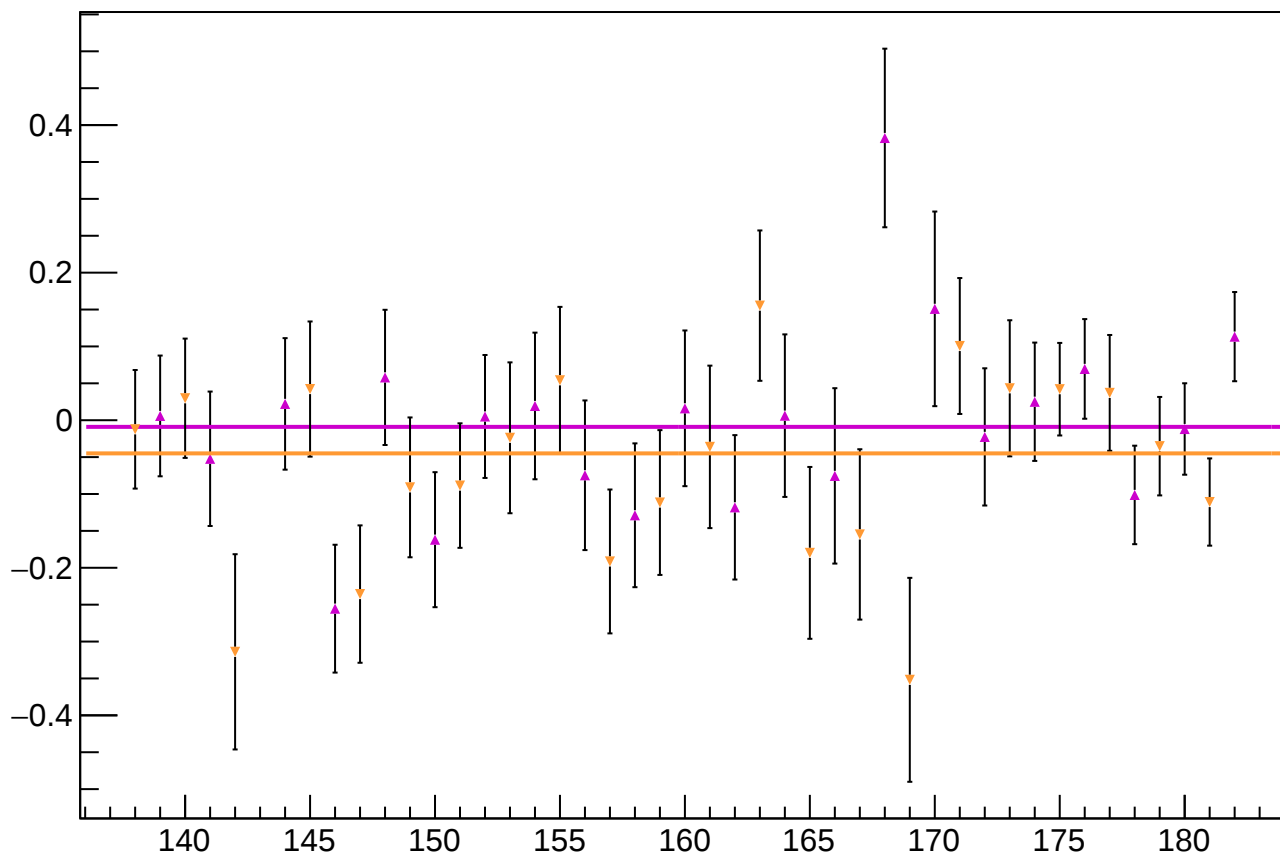
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.135 ± 0.022 $\chi^2/\text{NDF}: 5228.3/15$
 Left Out: -0.943 ± 0.008 $\chi^2/\text{NDF}: 40710.8/21$
 Right Out: -1.642 ± 0.022 $\chi^2/\text{NDF}: 77830.5/17$
 Left In: -0.717 ± 0.008 $\chi^2/\text{NDF}: 40036.6/21$

Left: -0.827 ± 0.006 $\chi^2/\text{NDF}: 81164.6/43$
 Right: -0.742 ± 0.015 $\chi^2/\text{NDF}: 86404.6/33$
 In: -0.619 ± 0.007 $\chi^2/\text{NDF}: 46642.9/37$
 Out: -1.025 ± 0.007 $\chi^2/\text{NDF}: 119444.7/39$
 All: -0.818 ± 0.005 $\chi^2/\text{NDF}: 167596.2/77$

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: -0.045 $\pm$ 0.019 χ^2 /NDF:33.2/21

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

Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:35.0/21

Left: -0.027 $\pm$ 0.013 χ^2 /NDF: 70.1/43

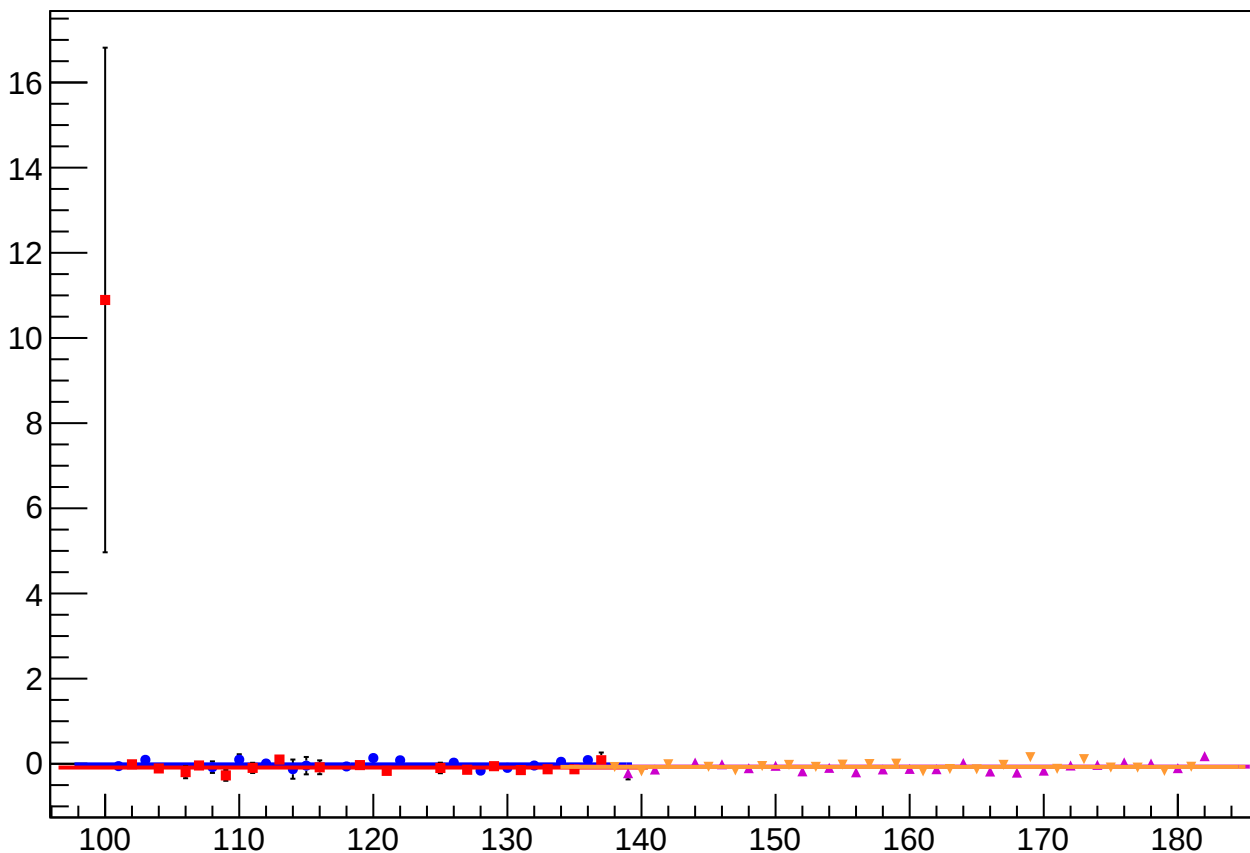
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.009 $\pm$ 0.018 χ^2 /NDF:35.0/21

Out: -0.045 $\pm$ 0.019 χ^2 /NDF:33.2/21

All: -0.027 $\pm$ 0.013 χ^2 /NDF: 70.1/43

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 12.0/15

Left Out: -0.073 ± 0.015 χ^2/NDF : 27.8/21

Right Out: -0.088 ± 0.025 χ^2/NDF : 12.9/17

Left In: -0.066 ± 0.015 χ^2/NDF : 39.6/21

Left: -0.070 ± 0.010 χ^2/NDF : 67.5/43

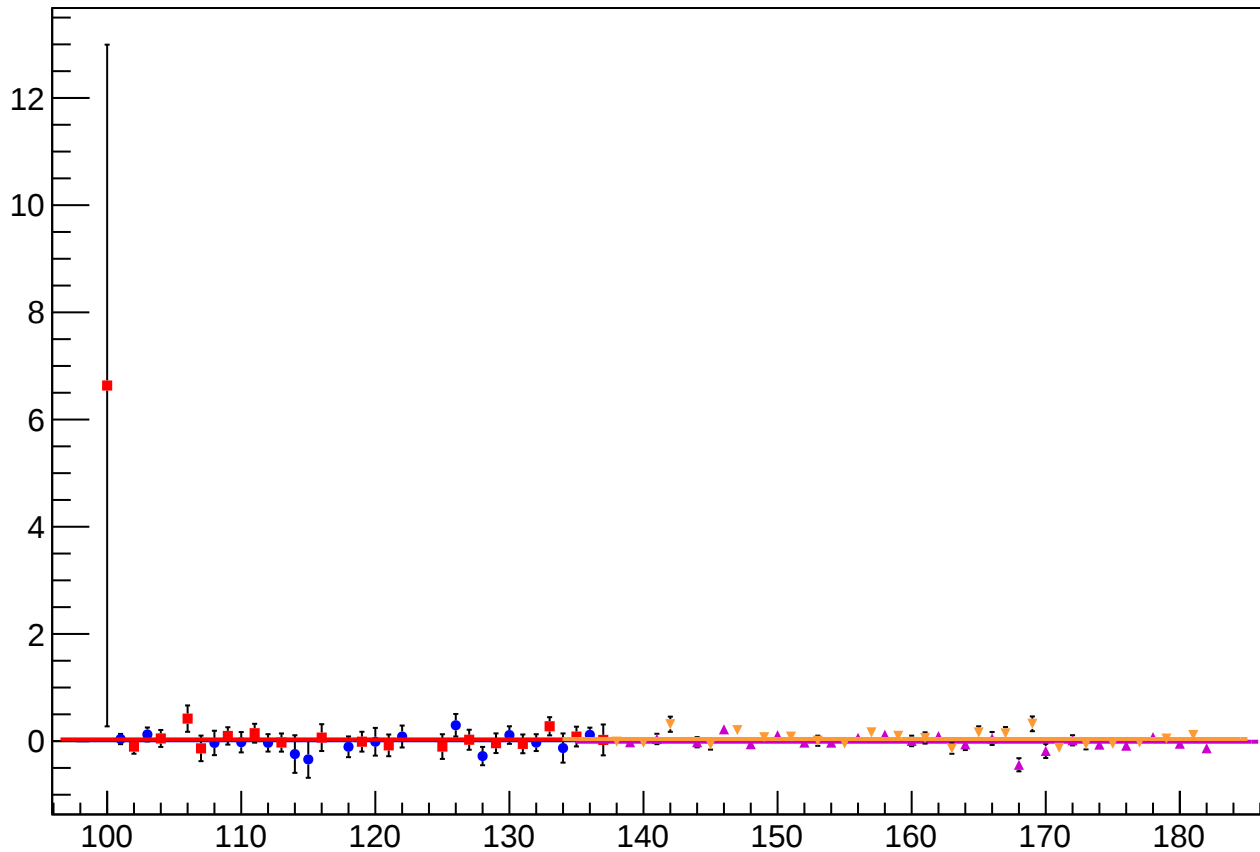
Right: -0.049 ± 0.017 χ^2/NDF : 29.7/33

In: -0.052 ± 0.012 χ^2/NDF : 55.3/37

Out: -0.077 ± 0.013 χ^2/NDF : 41.0/39

All: -0.064 ± 0.009 χ^2/NDF : 98.3/77

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.016+/-0.043 χ^2/NDF : 9.1/15

Left Out: 0.040+/-0.019 χ^2/NDF :31.1/21

Right Out: 0.032+/-0.045 χ^2/NDF : 9.1/17

Left In: -0.011+/-0.018 χ^2/NDF :36.4/21

Left: 0.014+/-0.013 χ^2/NDF : 71.3/43

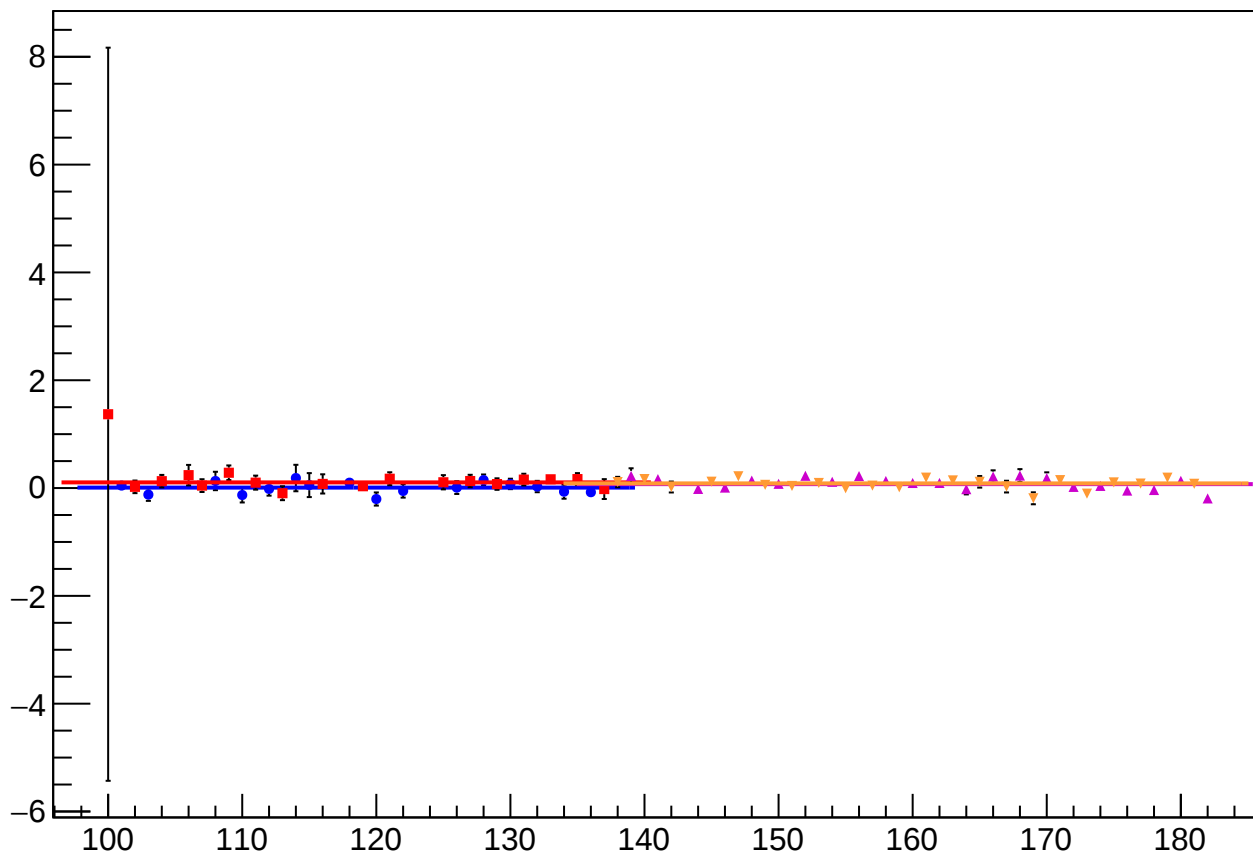
Right: 0.024+/-0.031 χ^2/NDF : 18.2/33

In: -0.007+/-0.017 χ^2/NDF :45.8/37

Out: 0.039+/-0.017 χ^2/NDF :40.2/39

All: 0.015+/-0.012 χ^2/NDF : 89.6/77

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 11.7/15

Left Out: 0.086 $\pm$ 0.017 χ^2 /NDF: 27.7/21

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 8.1/17

Left In: 0.073 $\pm$ 0.016 χ^2 /NDF: 43.2/21

Left: 0.079 $\pm$ 0.012 χ^2 /NDF: 71.2/43

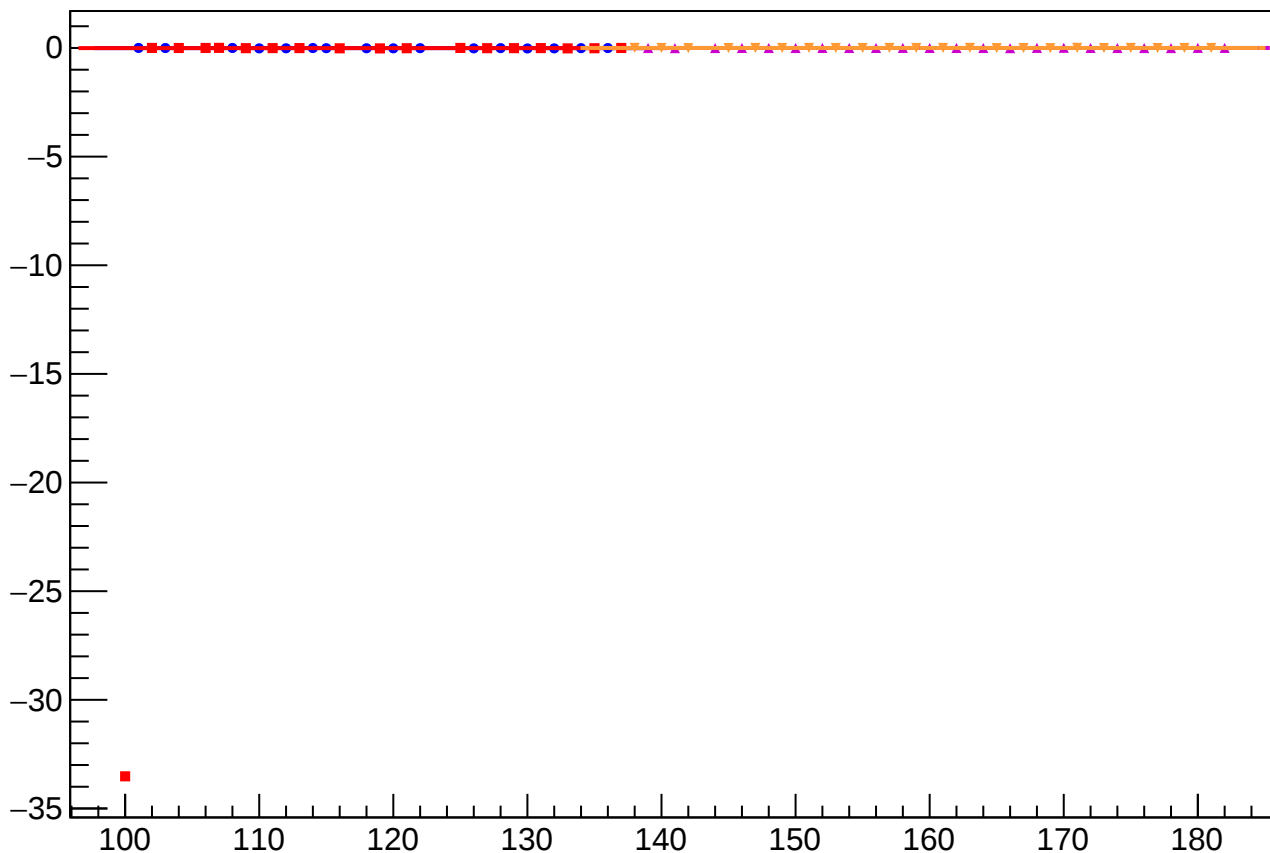
Right: 0.054 $\pm$ 0.020 χ^2 /NDF: 25.9/33

In: 0.055 $\pm$ 0.014 χ^2 /NDF: 59.0/37

Out: 0.091 $\pm$ 0.014 χ^2 /NDF: 36.1/39

All: 0.073 $\pm$ 0.010 χ^2 /NDF: 98.3/77

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 21.5/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 20.3/21

Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.9/17

Left In: 0.000 ± 0.001 χ^2/NDF : 21.8/21

Left: 0.001 ± 0.001 χ^2/NDF : 42.4/43

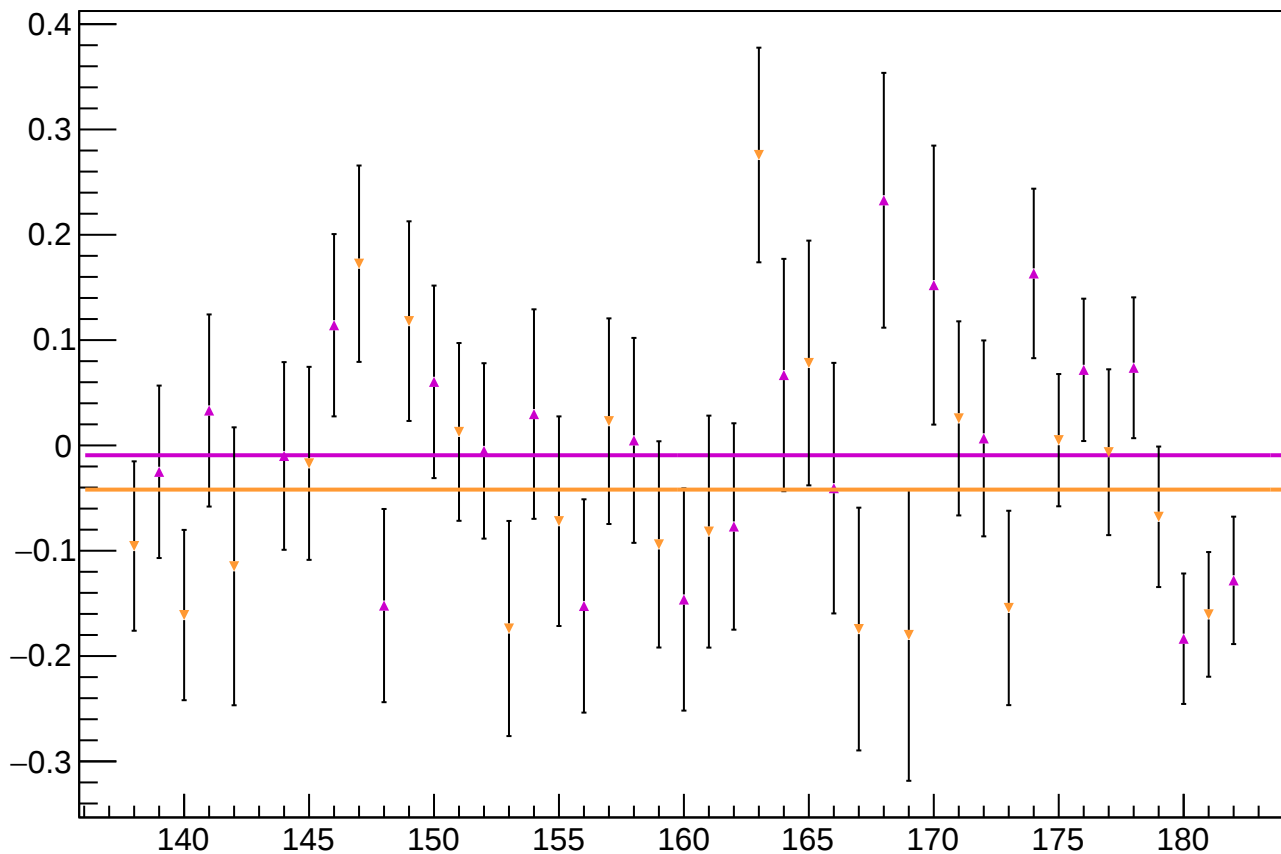
Right: -0.006 ± 0.001 χ^2/NDF : 26530.5/33

In: -0.001 ± 0.001 χ^2/NDF : 55.3/37

Out: -0.001 ± 0.001 χ^2/NDF : 26546.0/39

All: -0.001 ± 0.000 χ^2/NDF : 26601.4/77

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: -0.042 $\pm$ 0.019 χ^2 /NDF:34.2/21

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

Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:35.1/21

Left: -0.025 $\pm$ 0.013 χ^2 /NDF: 70.8/43

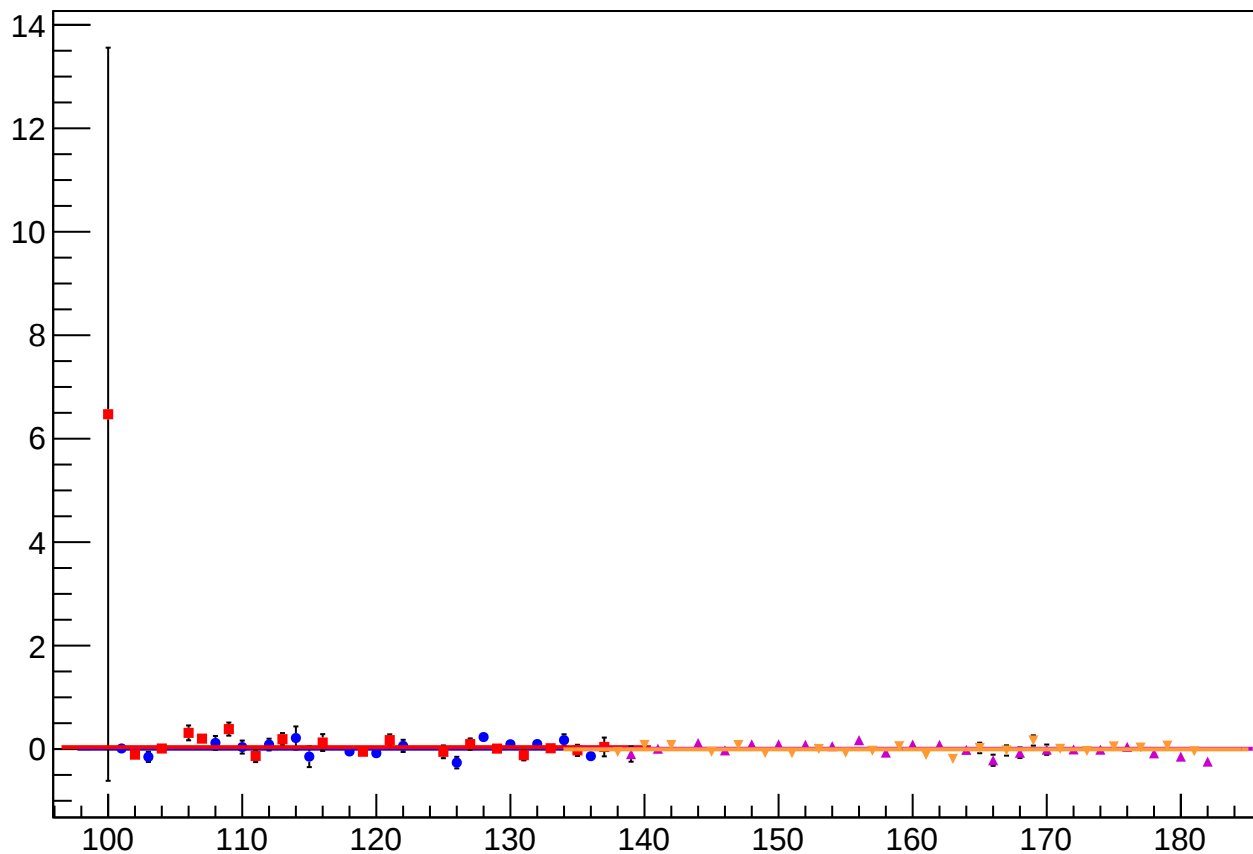
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.009 $\pm$ 0.018 χ^2 /NDF:35.1/21

Out: -0.042 $\pm$ 0.019 χ^2 /NDF:34.2/21

All: -0.025 $\pm$ 0.013 χ^2 /NDF: 70.8/43

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.008+/-0.023 χ^2/NDF : 25.1/15

Left Out: -0.005+/-0.015 χ^2/NDF : 26.2/21

Right Out: 0.037+/-0.025 χ^2/NDF : 28.7/17

Left In: 0.006+/-0.015 χ^2/NDF : 49.4/21

Left: 0.000+/-0.010 χ^2/NDF : 75.9/43

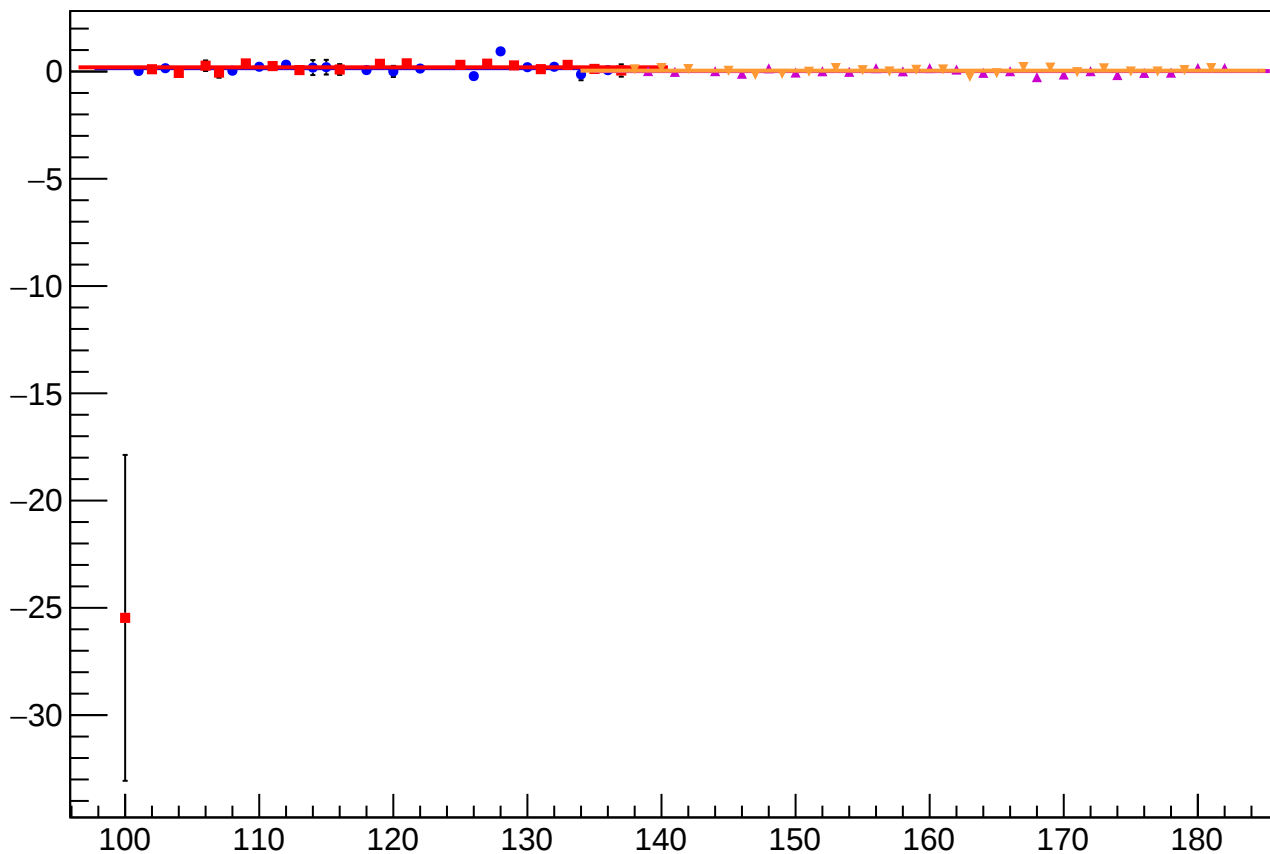
Right: 0.021+/-0.017 χ^2/NDF : 54.6/33

In: 0.006+/-0.012 χ^2/NDF : 74.5/37

Out: 0.005+/-0.013 χ^2/NDF : 57.1/39

All: 0.006+/-0.009 χ^2/NDF : 131.6/77

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 29.7/15

Left Out: 0.040 $\pm$ 0.019 χ^2 /NDF:33.0/21

Right Out: 0.195 $\pm$ 0.045 χ^2 /NDF: 22.0/17

Left In: 0.019 $\pm$ 0.018 χ^2 /NDF:35.8/21

Left: 0.029 $\pm$ 0.013 χ^2 /NDF: 69.4/43

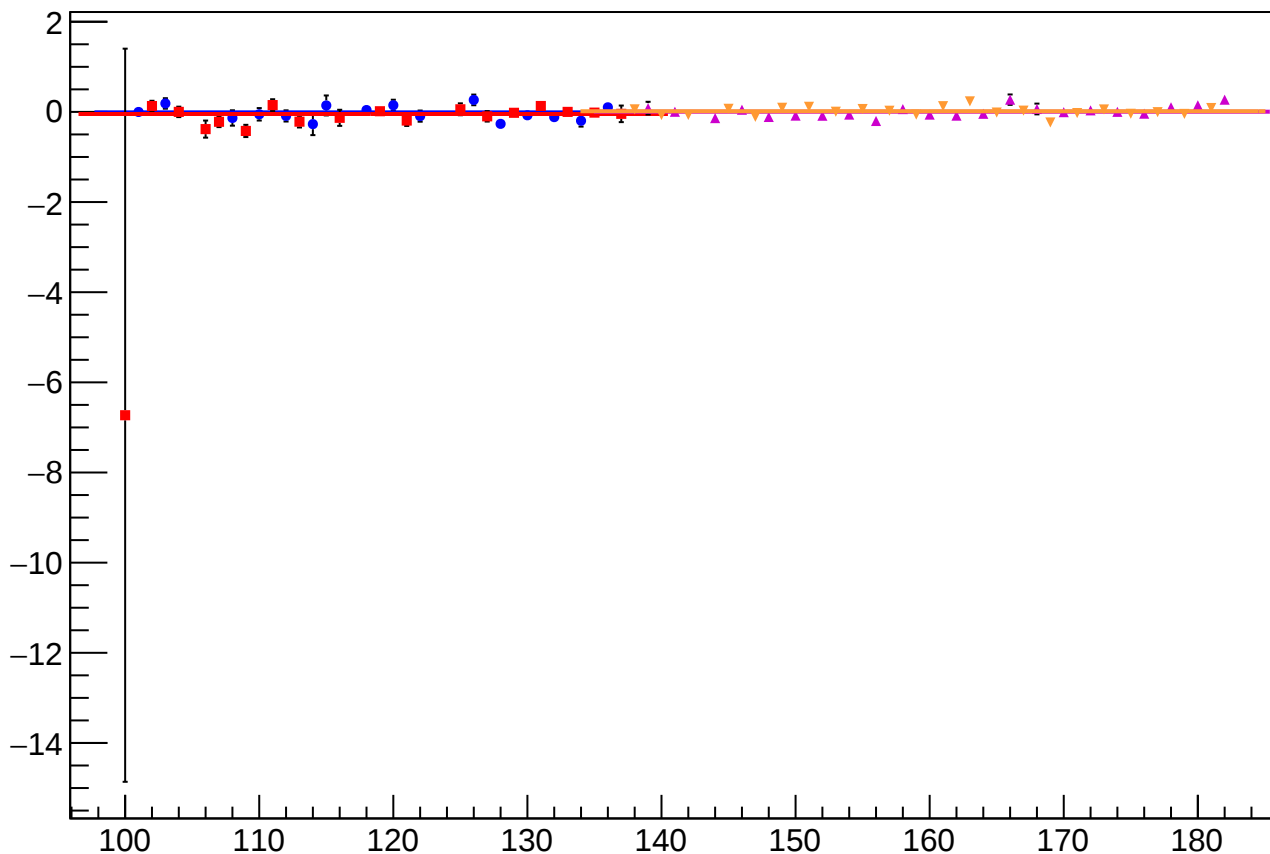
Right: 0.175 $\pm$ 0.031 χ^2 /NDF: 52.1/33

In: 0.041 $\pm$ 0.017 χ^2 /NDF:74.1/37

Out: 0.063 $\pm$ 0.017 χ^2 /NDF:65.1/39

All: 0.051 $\pm$ 0.012 χ^2 /NDF: 140.1/77

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.010 ± 0.027 $\chi^2/\text{NDF}: 24.6/15$

Left Out: 0.015 ± 0.017 $\chi^2/\text{NDF}: 29.0/21$

Right Out: -0.046 ± 0.029 $\chi^2/\text{NDF}: 26.3/17$

Left In: 0.004 ± 0.016 $\chi^2/\text{NDF}: 49.7/21$

Left: 0.009 ± 0.012 $\chi^2/\text{NDF}: 78.9/43$

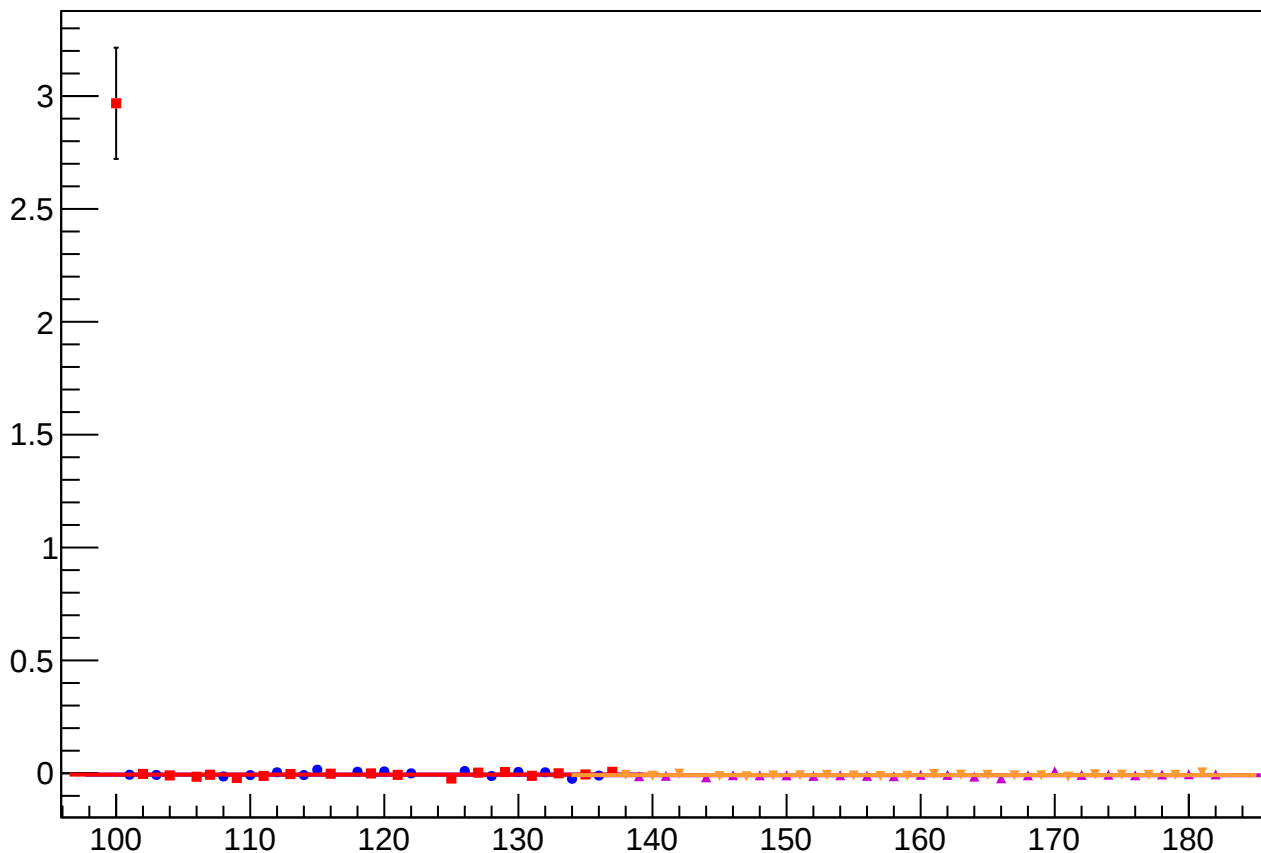
Right: -0.027 ± 0.020 $\chi^2/\text{NDF}: 51.7/33$

In: 0.001 ± 0.014 $\chi^2/\text{NDF}: 74.5/37$

Out: -0.001 ± 0.014 $\chi^2/\text{NDF}: 58.6/39$

All: -0.000 ± 0.010 $\chi^2/\text{NDF}: 133.1/77$

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.001 χ^2/NDF : 27.4/15

Left Out: -0.008+/-0.001 χ^2/NDF :29.7/21

Right Out: -0.006+/-0.001 χ^2/NDF : 165.3/17

Left In: -0.009+/-0.001 χ^2/NDF :37.0/21

Left: -0.008+/-0.001 χ^2/NDF : 67.0/43

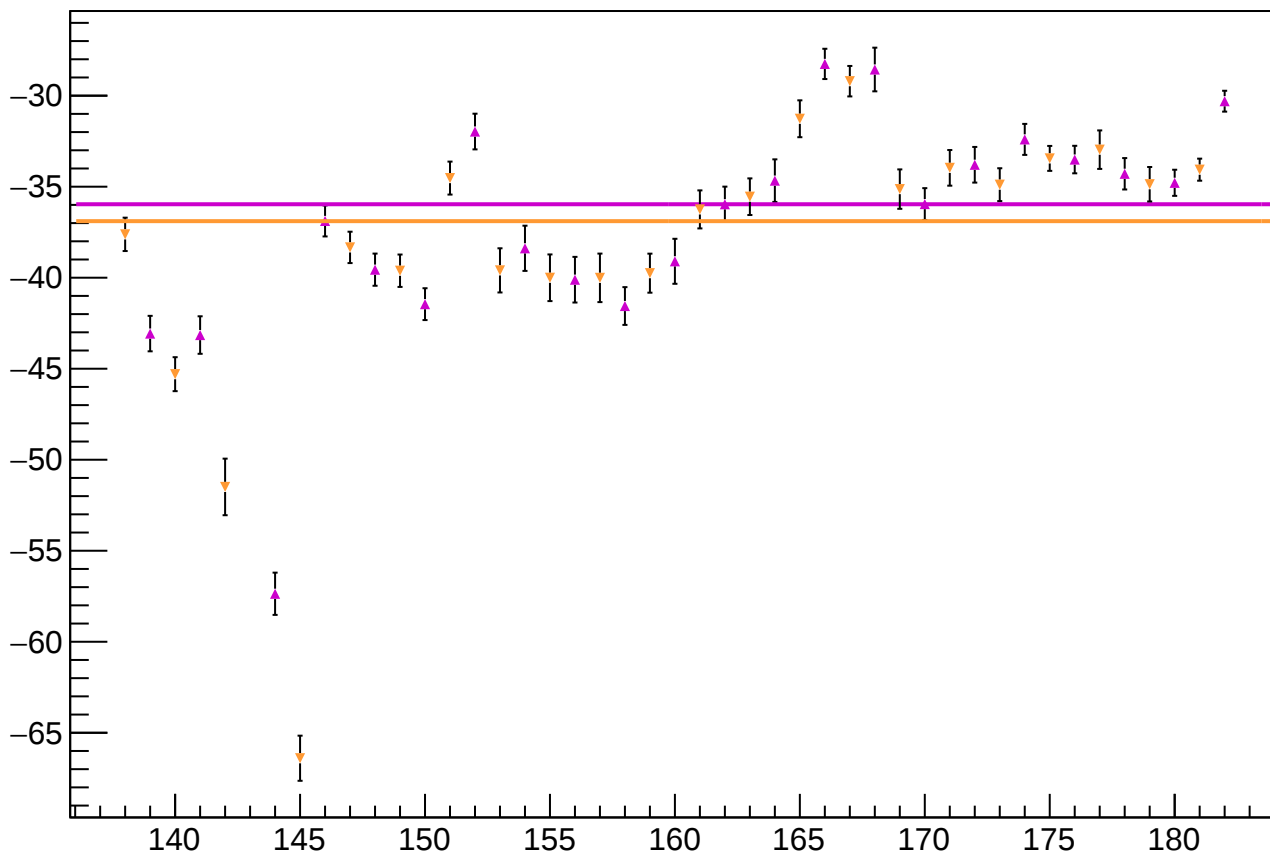
Right: -0.006+/-0.001 χ^2/NDF : 192.7/33

In: -0.008+/-0.001 χ^2/NDF :67.1/37

Out: -0.008+/-0.001 χ^2/NDF :196.8/39

All: -0.008+/-0.000 χ^2/NDF : 264.2/77

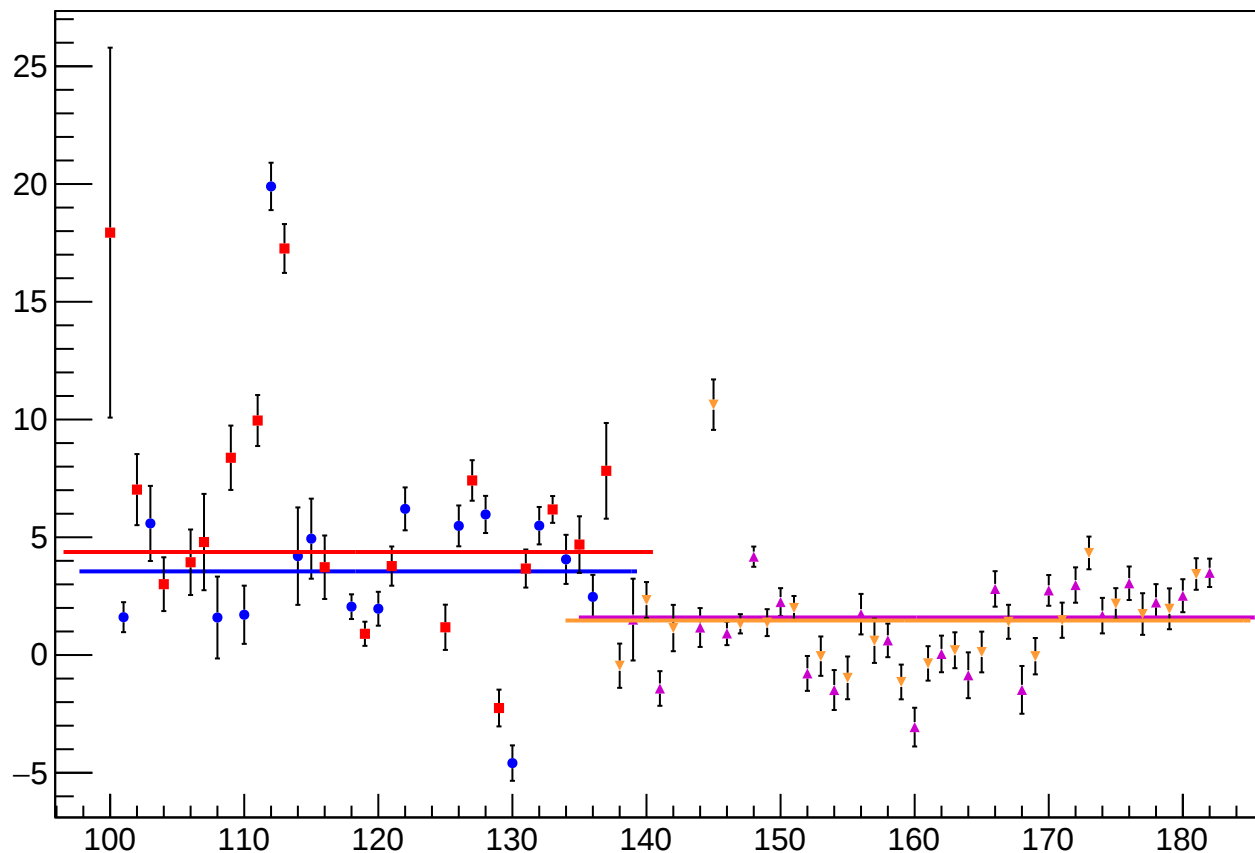
reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -36.893+/-0.203 χ^2/NDF :978.7/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -35.964+/-0.195 χ^2/NDF :828.0/21

Left: -36.409+/-0.141 χ^2/NDF : 1817.6/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -35.964+/-0.195 χ^2/NDF :828.0/21
 Out: -36.893+/-0.203 χ^2/NDF :978.7/21
 All: -36.409+/-0.141 χ^2/NDF : 1817.6/43

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.552 ± 0.221 $\chi^2/\text{NDF}: 439.9/15$

Left Out: 1.467 ± 0.153 $\chi^2/\text{NDF}: 146.4/21$

Right Out: 4.374 ± 0.225 $\chi^2/\text{NDF}: 353.1/17$

Left In: 1.595 ± 0.151 $\chi^2/\text{NDF}: 158.9/21$

Left: 1.532 ± 0.107 $\chi^2/\text{NDF}: 305.7/43$

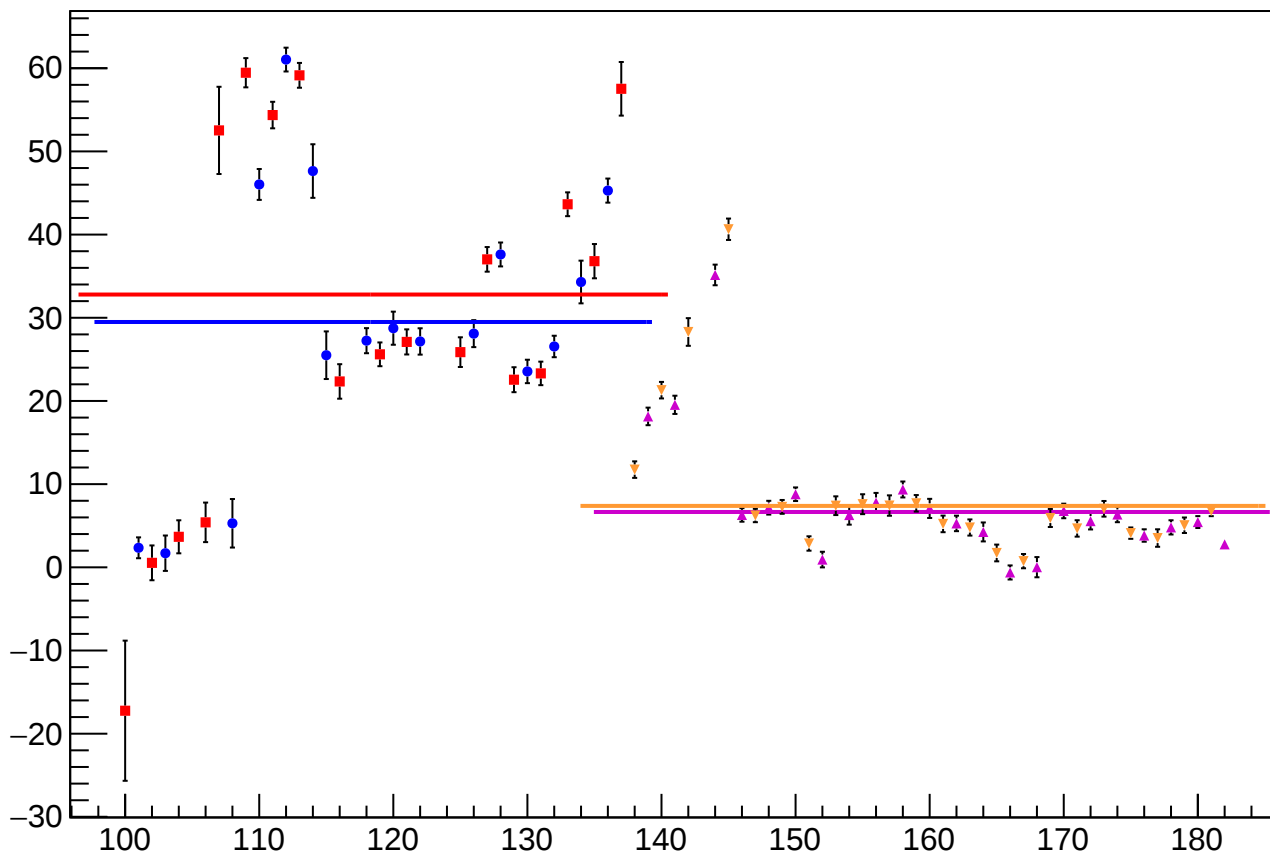
Right: 3.955 ± 0.158 $\chi^2/\text{NDF}: 799.8/33$

In: 2.220 ± 0.125 $\chi^2/\text{NDF}: 652.4/37$

Out: 2.383 ± 0.126 $\chi^2/\text{NDF}: 613.7/39$

All: 2.300 ± 0.089 $\chi^2/\text{NDF}: 1267.0/77$

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.493 $\pm$ 0.420 χ^2 /NDF: 1489.7/15

Left Out: 7.384 $\pm$ 0.201 χ^2 /NDF:1228.0/21

Right Out: 32.793 $\pm$ 0.424 χ^2 /NDF: 1660.2/17

Left In: 6.652 $\pm$ 0.193 χ^2 /NDF:1013.8/21

Left: 7.003 $\pm$ 0.140 χ^2 /NDF: 2248.6/43

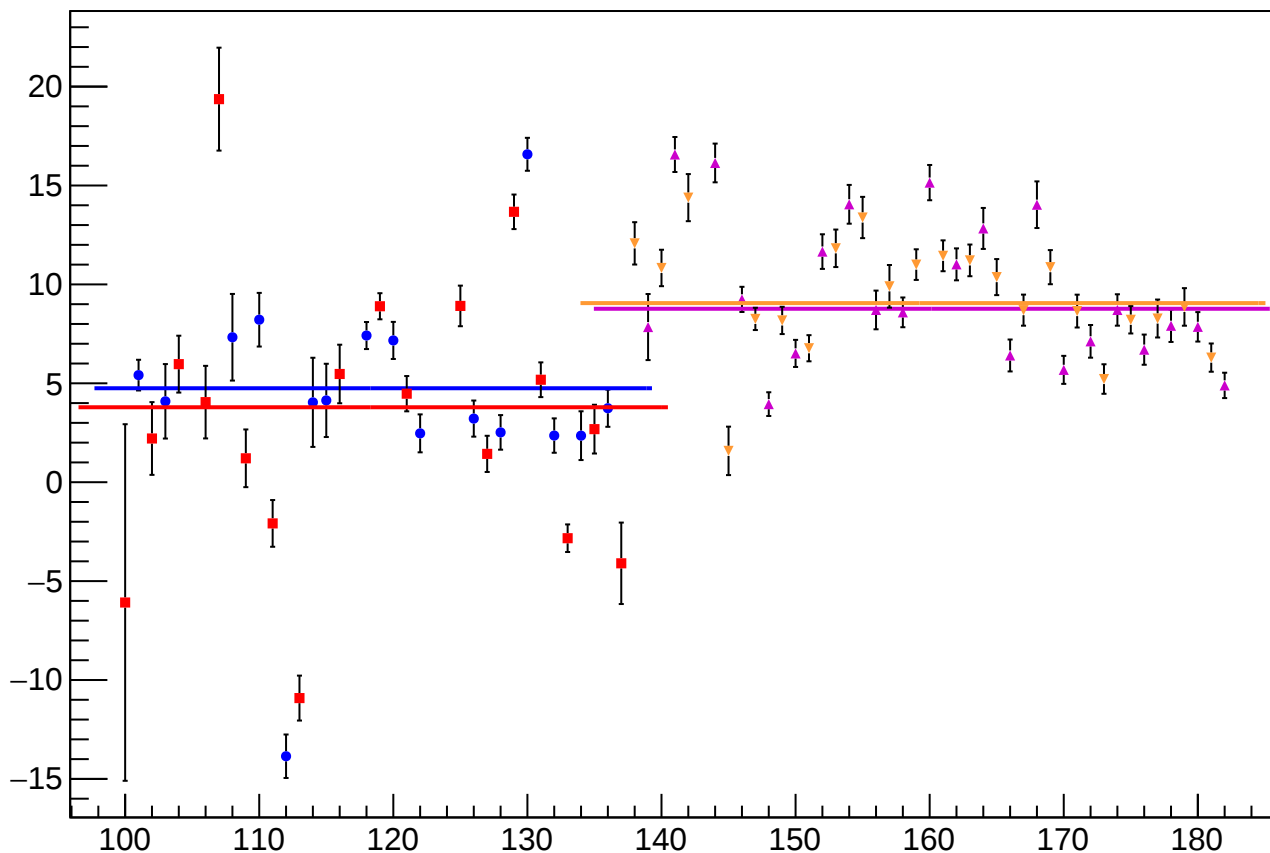
Right: 31.130 $\pm$ 0.298 χ^2 /NDF: 3180.4/33

In: 10.644 $\pm$ 0.176 χ^2 /NDF:4940.2/37

Out: 12.072 $\pm$ 0.182 χ^2 /NDF:5822.1/39

All: 11.333 $\pm$ 0.126 χ^2 /NDF: 10794.2/77

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.750 $\pm$ 0.255 χ^2/NDF : 546.5/15

Left Out: 9.054 $\pm$ 0.176 χ^2/NDF :184.3/21

Right Out: 3.789 $\pm$ 0.259 χ^2/NDF : 564.8/17

Left In: 8.768 $\pm$ 0.172 χ^2/NDF :423.0/21

Left: 8.908 $\pm$ 0.123 χ^2/NDF : 608.6/43

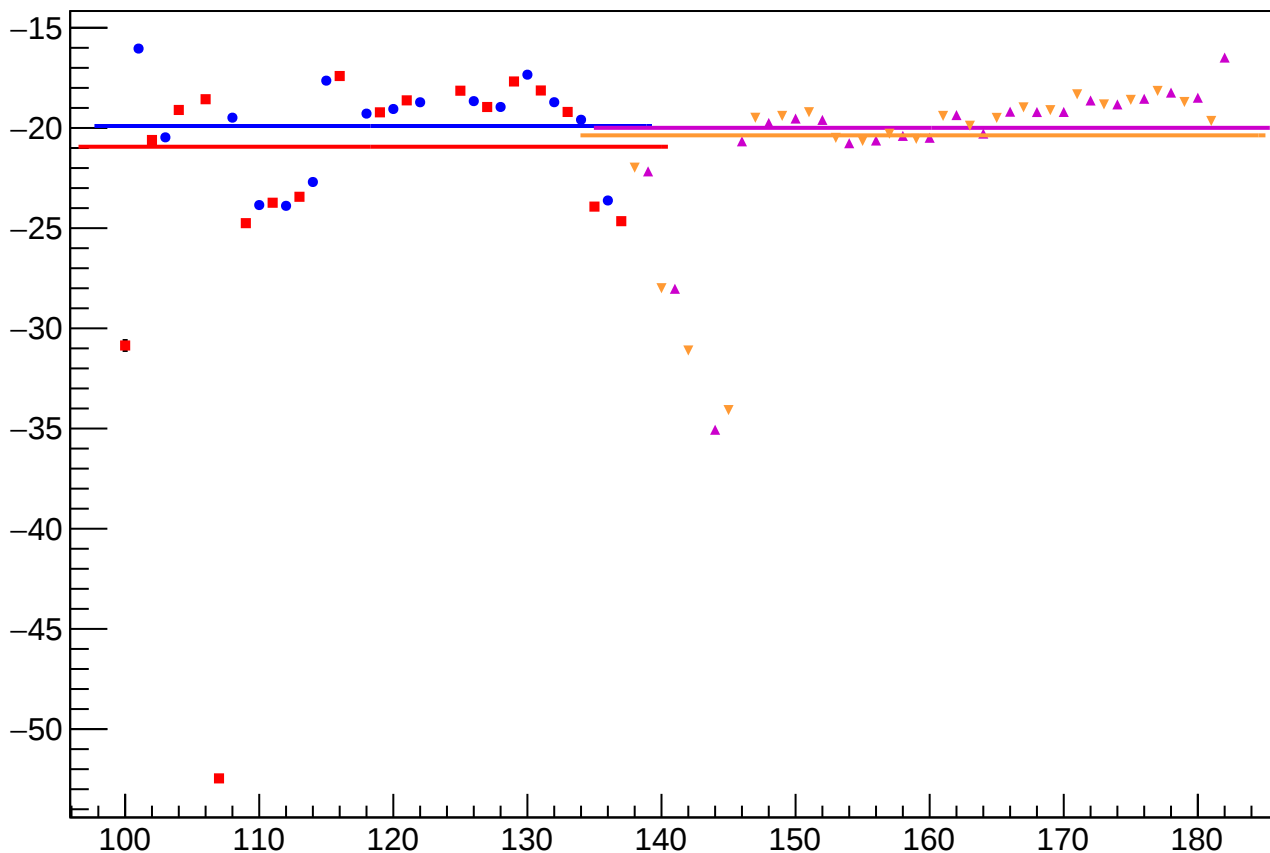
Right: 4.278 $\pm$ 0.182 χ^2/NDF : 1118.3/33

In: 7.505 $\pm$ 0.143 χ^2/NDF :1140.4/37

Out: 7.395 $\pm$ 0.145 χ^2/NDF :1032.1/39

All: 7.451 $\pm$ 0.102 χ^2/NDF : 2172.8/77

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 ± 0.016 χ^2/NDF : 26019.5/15

Left Out: -20.368 ± 0.008 χ^2/NDF : 150339.4/21

Right Out: -20.936 ± 0.016 χ^2/NDF : 93988.8/17

Left In: -19.993 ± 0.008 χ^2/NDF : 138995.0/21

Left: -20.173 ± 0.006 χ^2/NDF : 290403.4/43

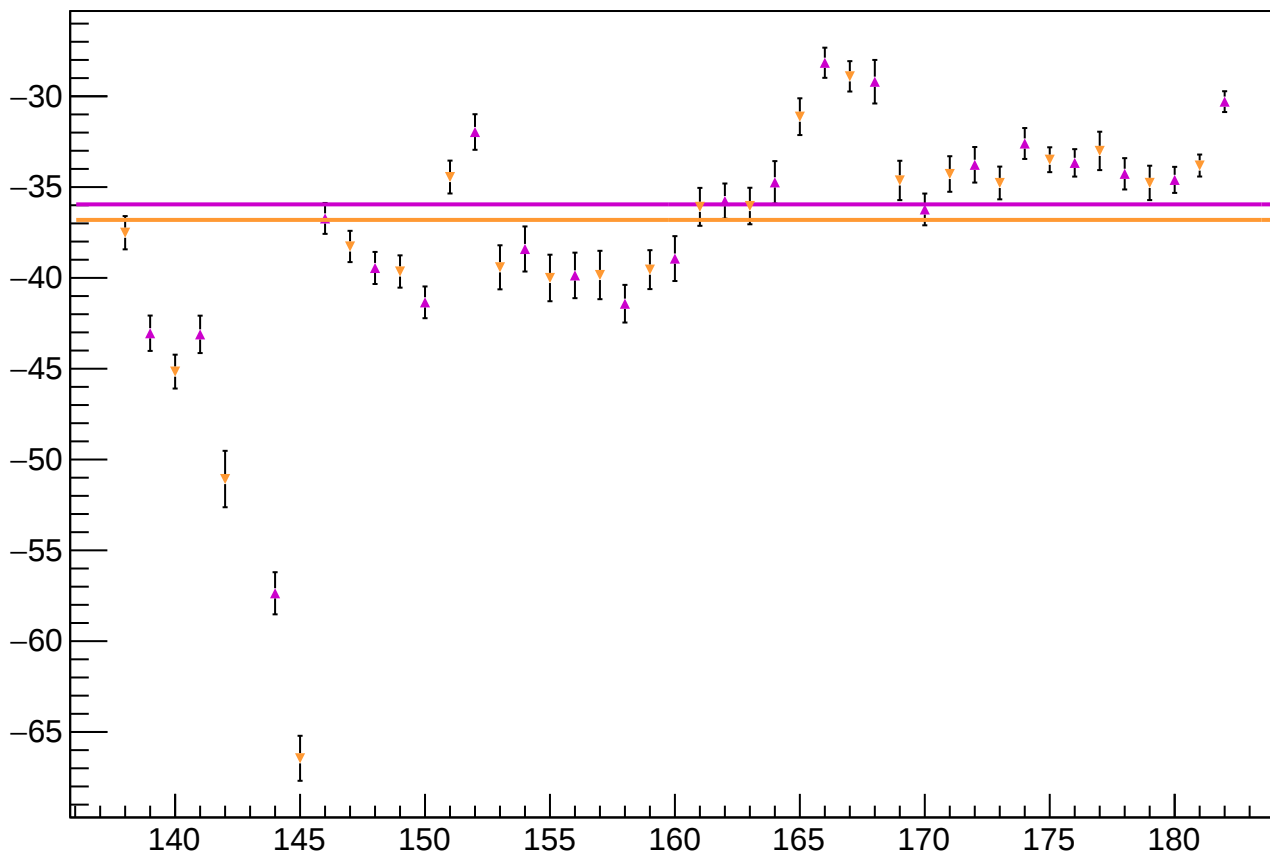
Right: -20.416 ± 0.011 χ^2/NDF : 122177.4/33

In: -19.974 ± 0.007 χ^2/NDF : 165041.6/37

Out: -20.491 ± 0.007 χ^2/NDF : 245347.5/39

All: -20.224 ± 0.005 χ^2/NDF : 412959.3/77

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



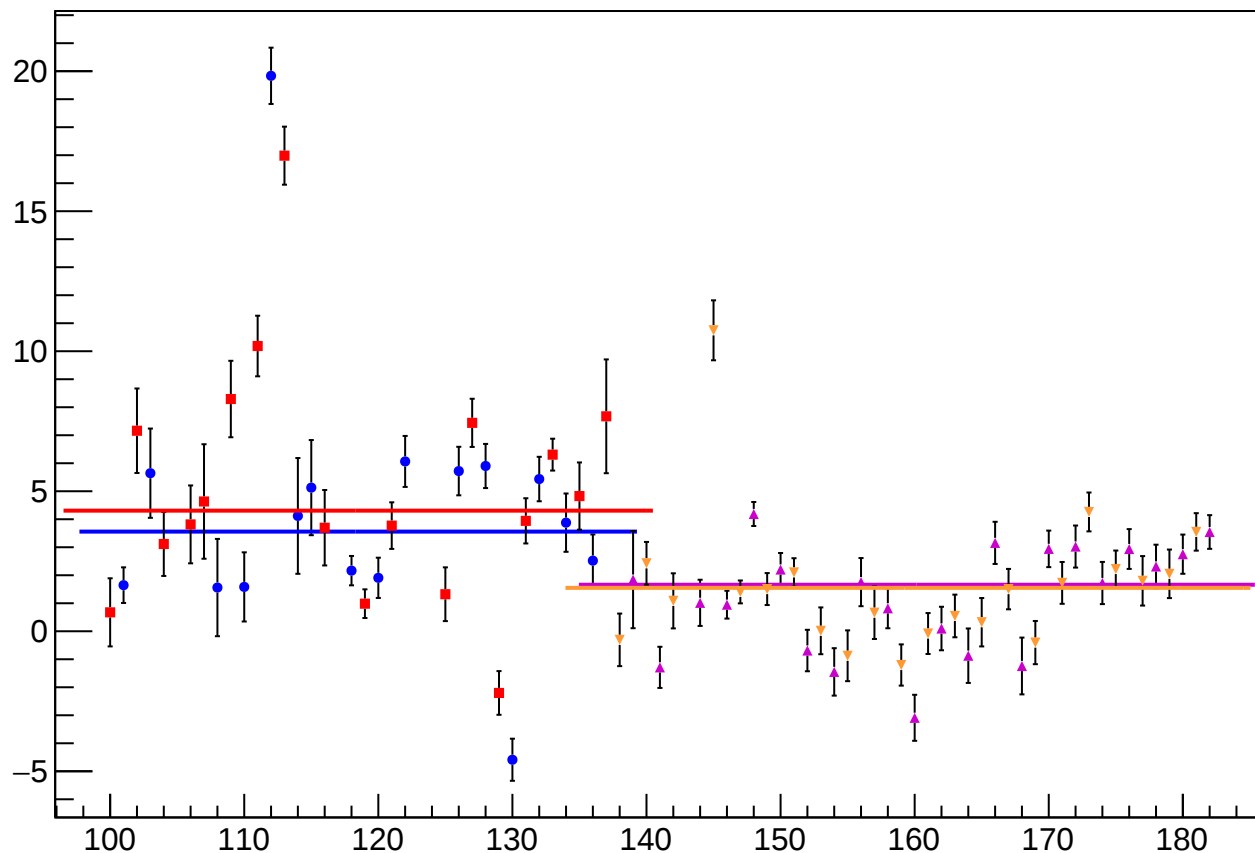
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -36.807+/-0.203 χ^2/NDF :983.5/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -35.952+/-0.195 χ^2/NDF :816.2/21

Left: -36.362+/-0.140 χ^2/NDF : 1809.0/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -35.952+/-0.195 χ^2/NDF :816.2/21
 Out: -36.807+/-0.203 χ^2/NDF :983.5/21

All: -36.362+/-0.140 χ^2/NDF : 1809.0/43

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.559 $\pm$ 0.221 χ^2 /NDF: 437.1/15

Left Out: 1.550 $\pm$ 0.153 χ^2 /NDF:146.8/21

Right Out: 4.307 $\pm$ 0.221 χ^2 /NDF: 352.1/17

Left In: 1.661 $\pm$ 0.151 χ^2 /NDF:159.1/21

Left: 1.606 $\pm$ 0.107 χ^2 /NDF: 306.2/43

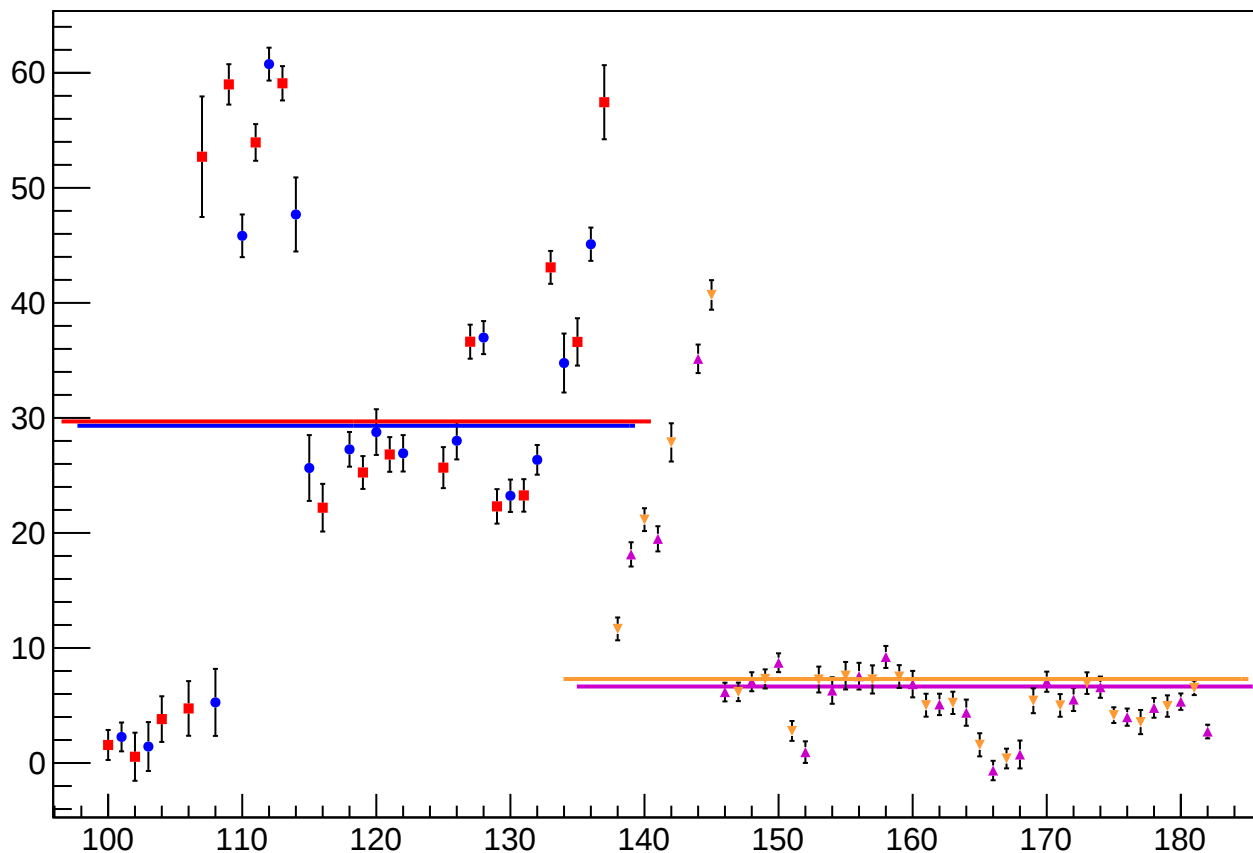
Right: 3.932 $\pm$ 0.156 χ^2 /NDF: 795.0/33

In: 2.267 $\pm$ 0.125 χ^2 /NDF:646.6/37

Out: 2.439 $\pm$ 0.126 χ^2 /NDF:604.1/39

All: 2.352 $\pm$ 0.089 χ^2 /NDF: 1251.6/77

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.321 $\pm$ 0.420 χ^2 /NDF: 1483.3/15

Left Out: 7.302 $\pm$ 0.201 χ^2 /NDF:1228.8/21

Right Out: 29.696 $\pm$ 0.403 χ^2 /NDF: 2129.0/17

Left In: 6.650 $\pm$ 0.193 χ^2 /NDF:1006.3/21

Left: 6.963 $\pm$ 0.139 χ^2 /NDF: 2240.5/43

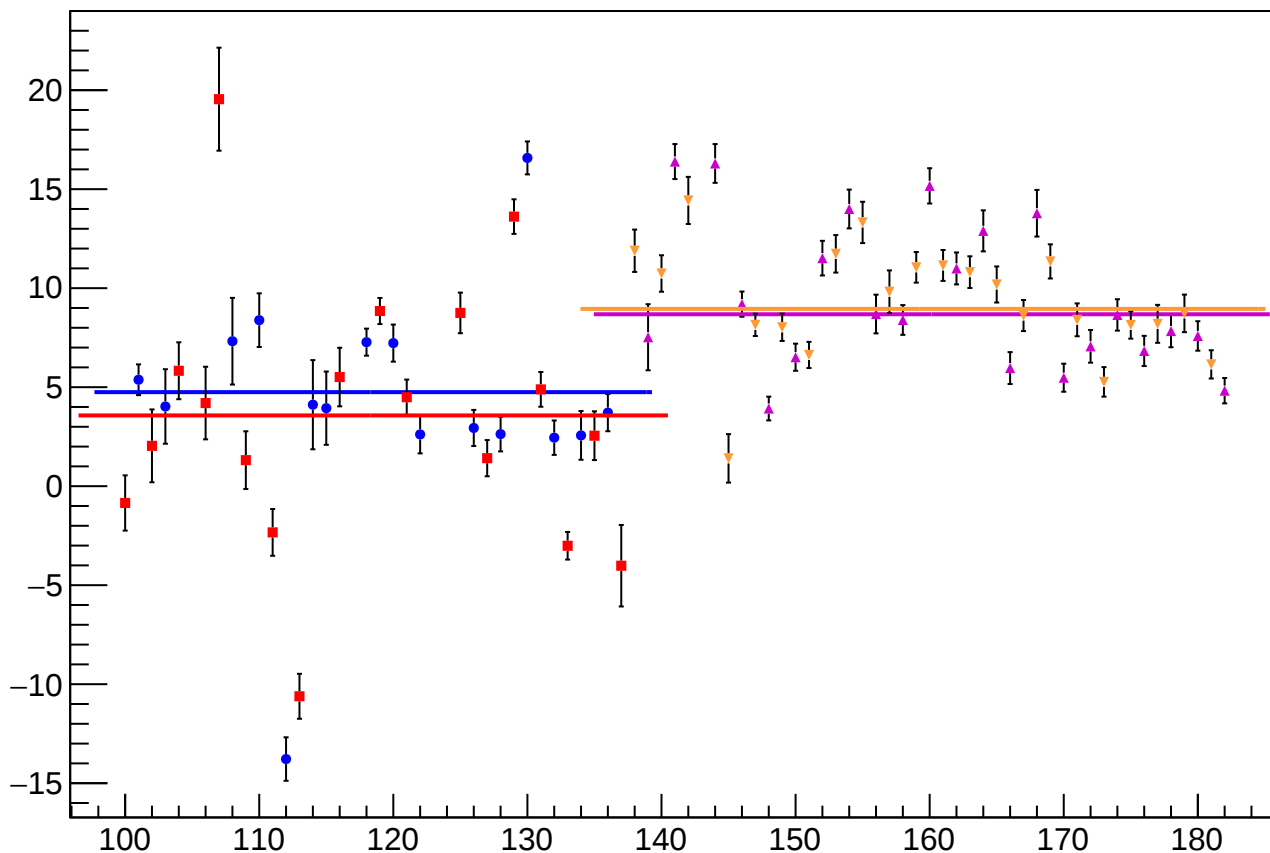
Right: 29.516 $\pm$ 0.291 χ^2 /NDF: 3612.7/33

In: 10.613 $\pm$ 0.176 χ^2 /NDF:4893.3/37

Out: 11.774 $\pm$ 0.180 χ^2 /NDF:5827.4/39

All: 11.179 $\pm$ 0.126 χ^2 /NDF: 10741.9/77

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.749 $\pm$ 0.254 χ^2 /NDF: 543.1/15

Left Out: 8.954 $\pm$ 0.176 χ^2 /NDF:186.3/21

Right Out: 3.573 $\pm$ 0.255 χ^2 /NDF: 570.4/17

Left In: 8.683 $\pm$ 0.172 χ^2 /NDF:428.6/21

Left: 8.816 $\pm$ 0.123 χ^2 /NDF: 616.1/43

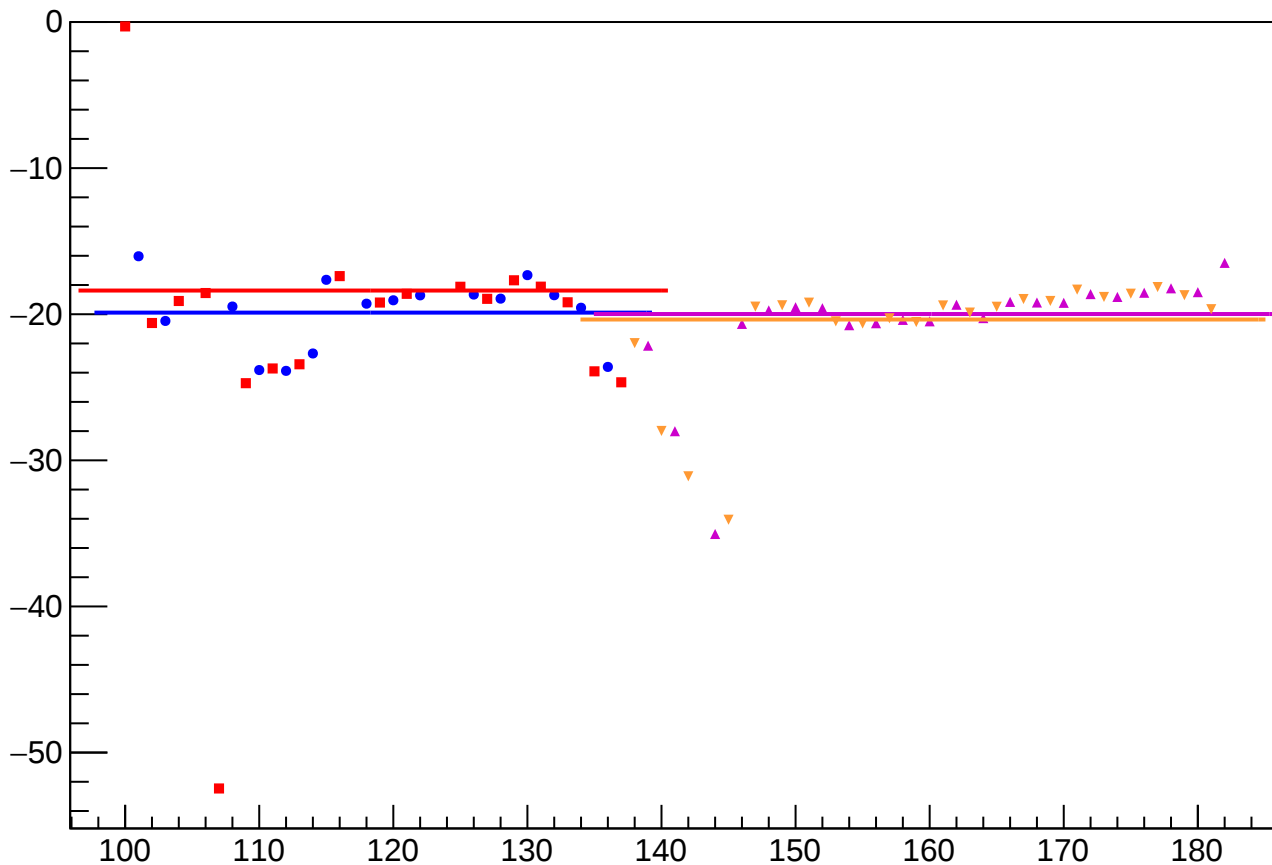
Right: 4.162 $\pm$ 0.180 χ^2 /NDF: 1124.1/33

In: 7.446 $\pm$ 0.143 χ^2 /NDF:1135.6/37

Out: 7.219 $\pm$ 0.145 χ^2 /NDF:1059.3/39

All: 7.334 $\pm$ 0.102 χ^2 /NDF: 2196.3/77

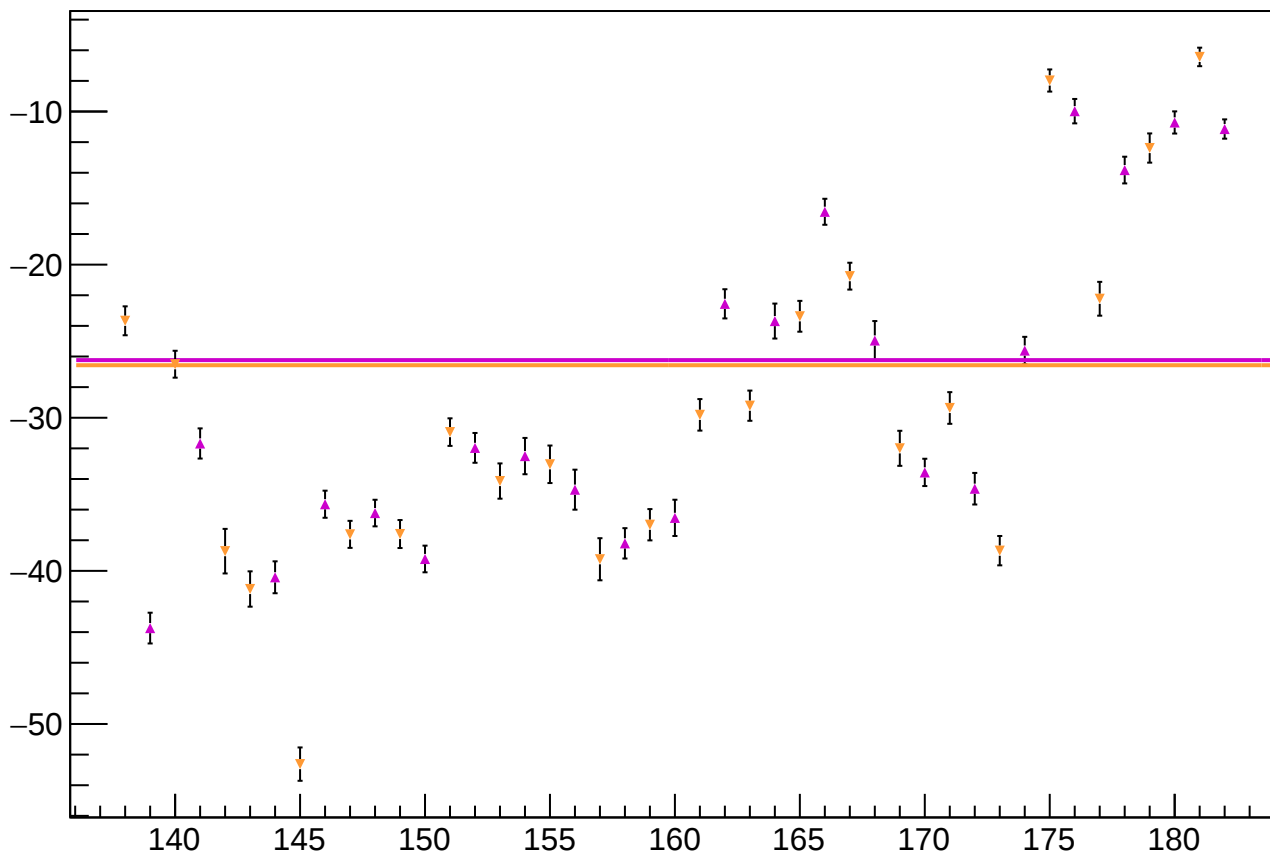
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26008.9/15$
 Left Out: -20.361 ± 0.008 $\chi^2/\text{NDF}: 150412.3/21$
 Right Out: -18.378 ± 0.015 $\chi^2/\text{NDF}: 301009.6/17$
 Left In: -19.986 ± 0.008 $\chi^2/\text{NDF}: 138846.5/21$

Left: -20.166 ± 0.006 $\chi^2/\text{NDF}: 290333.1/43$
 Right: -19.090 ± 0.011 $\chi^2/\text{NDF}: 331949.4/33$
 In: -19.966 ± 0.007 $\chi^2/\text{NDF}: 164885.3/37$
 Out: -19.888 ± 0.007 $\chi^2/\text{NDF}: 465153.2/39$
 All: -19.928 ± 0.005 $\chi^2/\text{NDF}: 630097.8/77$

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: -26.570+/-0.201 χ^2/NDF :3663.2/22

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

Left In: -26.236+/-0.198 χ^2/NDF :3250.3/21

Left: -26.400+/-0.141 χ^2/NDF : 6914.9/44

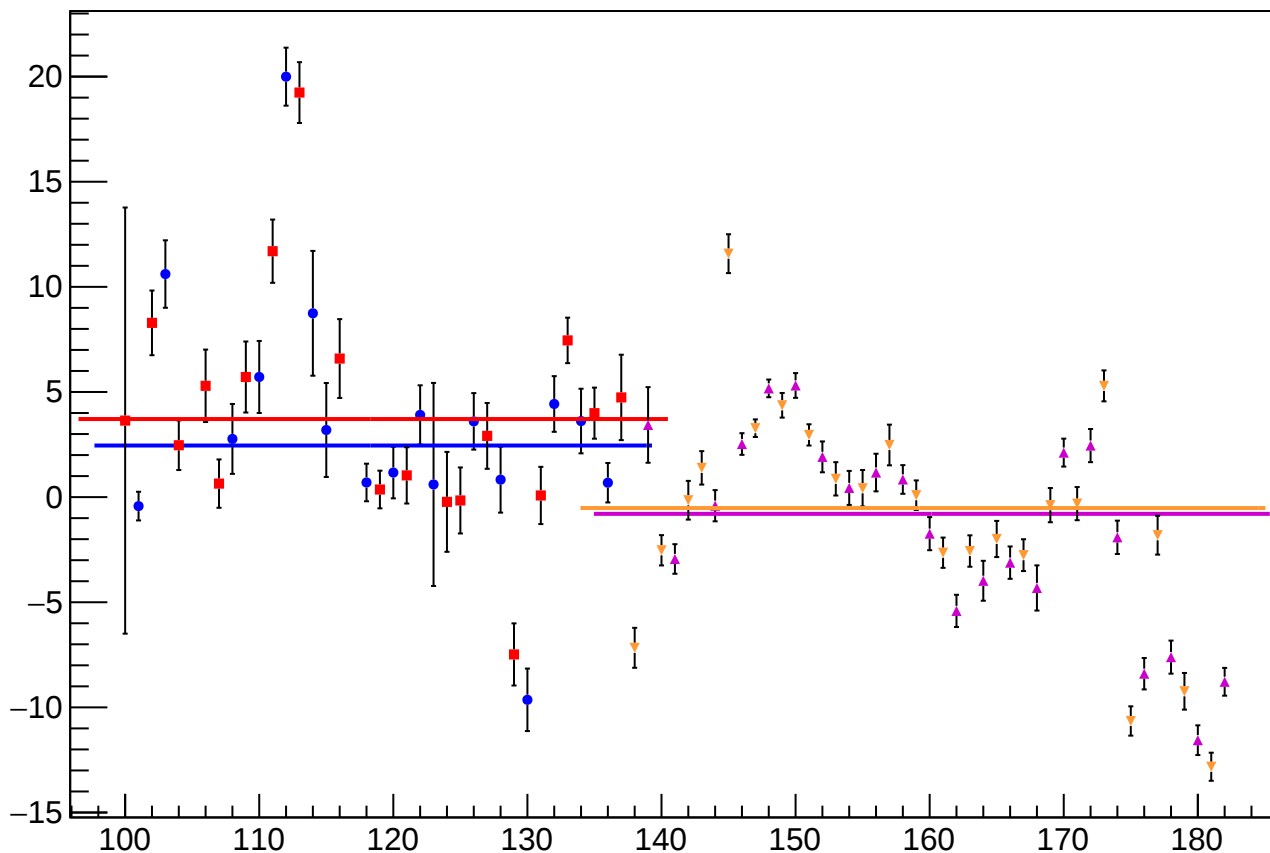
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -26.236+/-0.198 χ^2/NDF :3250.3/21

Out: -26.570+/-0.201 χ^2/NDF :3663.2/22

All: -26.400+/-0.141 χ^2/NDF : 6914.9/44

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.454 ± 0.315 $\chi^2/\text{NDF}: 294.3/16$

Left Out: -0.519 ± 0.151 $\chi^2/\text{NDF}: 1189.9/22$

Right Out: 3.714 ± 0.327 $\chi^2/\text{NDF}: 269.1/18$

Left In: -0.796 ± 0.152 $\chi^2/\text{NDF}: 1055.6/21$

Left: -0.656 ± 0.107 $\chi^2/\text{NDF}: 2247.2/44$

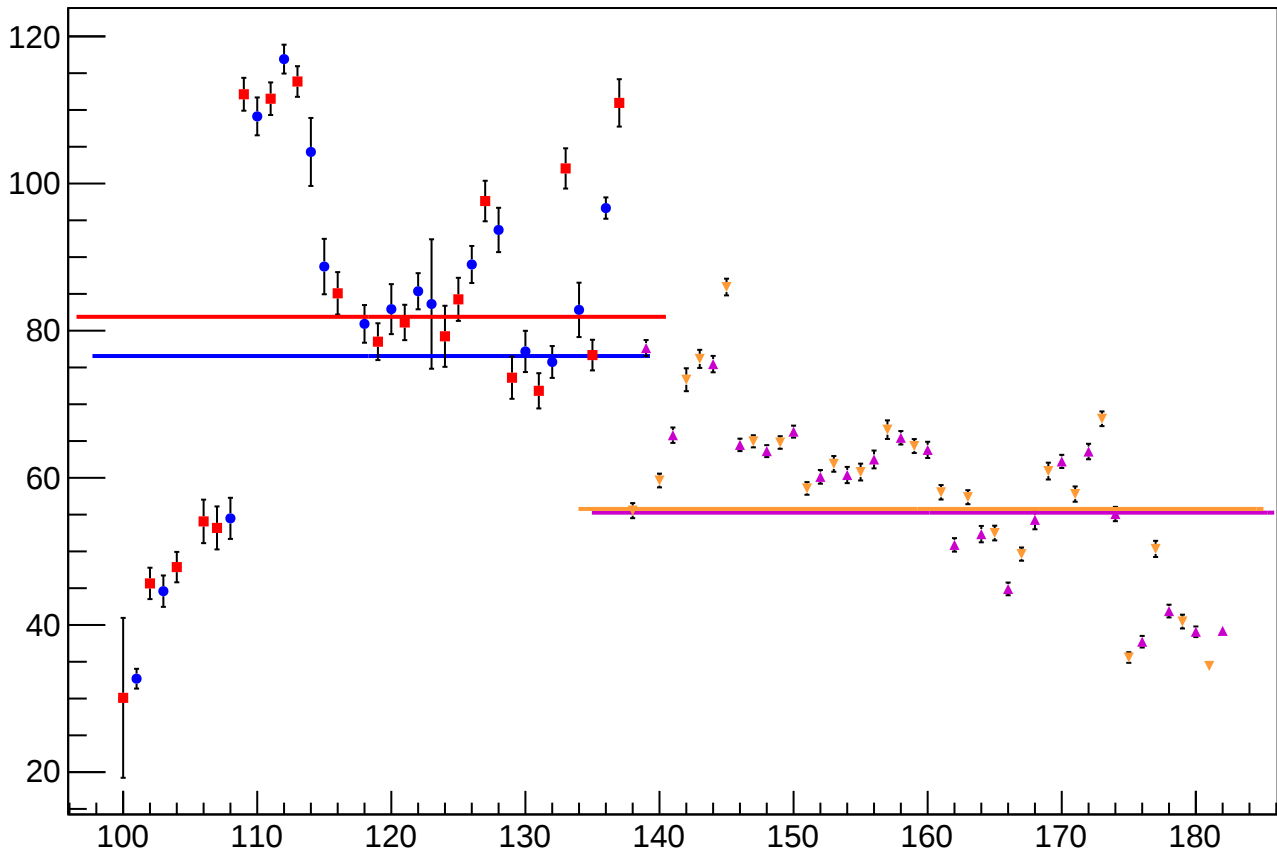
Right: 3.061 ± 0.227 $\chi^2/\text{NDF}: 571.1/35$

In: -0.182 ± 0.137 $\chi^2/\text{NDF}: 1436.4/38$

Out: 0.223 ± 0.137 $\chi^2/\text{NDF}: 1597.4/41$

All: 0.020 ± 0.097 $\chi^2/\text{NDF}: 3038.2/80$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.555 $\pm$ 0.577 χ^2 /NDF: 2252.8/16

Left Out: 55.772 $\pm$ 0.200 χ^2 /NDF:4038.5/22

Right Out: 81.886 $\pm$ 0.593 χ^2 /NDF: 1570.8/18

Left In: 55.265 $\pm$ 0.196 χ^2 /NDF:3665.8/21

Left: 55.514 $\pm$ 0.140 χ^2 /NDF: 7707.6/44

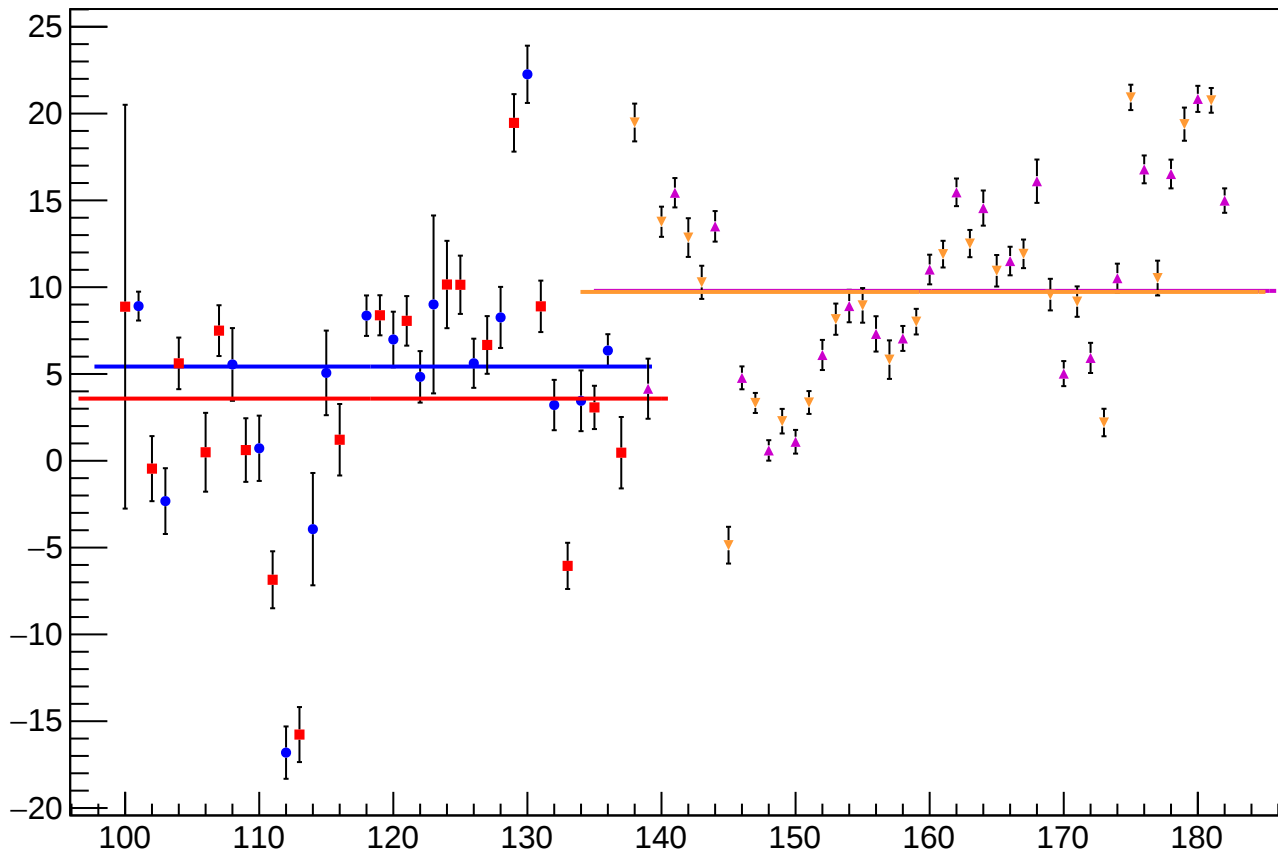
Right: 79.147 $\pm$ 0.413 χ^2 /NDF: 3865.1/35

In: 57.470 $\pm$ 0.186 χ^2 /NDF:7139.3/38

Out: 58.441 $\pm$ 0.190 χ^2 /NDF:7351.2/41

All: 57.945 $\pm$ 0.133 χ^2 /NDF: 14503.8/80

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.428 $\pm$ 0.361 χ^2 /NDF: 385.7/16

Left Out: 9.727 $\pm$ 0.174 χ^2 /NDF:1346.4/22

Right Out: 3.582 $\pm$ 0.376 χ^2 /NDF: 421.6/18

Left In: 9.787 $\pm$ 0.173 χ^2 /NDF:1158.3/21

Left: 9.757 $\pm$ 0.123 χ^2 /NDF: 2504.8/44

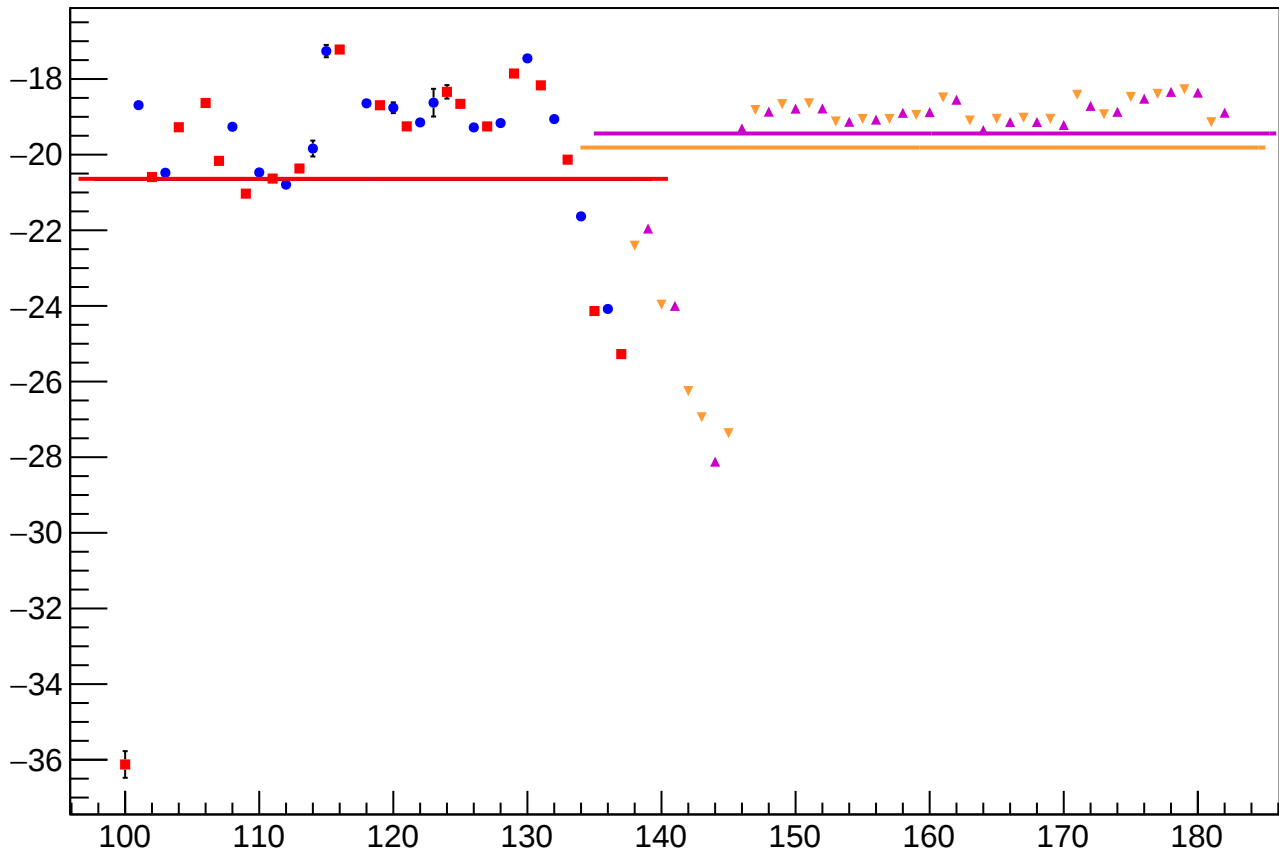
Right: 4.542 $\pm$ 0.260 χ^2 /NDF: 819.8/35

In: 8.969 $\pm$ 0.156 χ^2 /NDF:1662.5/38

Out: 8.645 $\pm$ 0.158 χ^2 /NDF:1988.6/41

All: 8.808 $\pm$ 0.111 χ^2 /NDF: 3653.2/80

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.644+/-0.019 χ^2/NDF : 12424.2/16

Left Out: -19.813+/-0.008 χ^2/NDF : 87367.9/22

Right Out: -20.640+/-0.019 χ^2/NDF : 13785.9/18

Left In: -19.440+/-0.008 χ^2/NDF : 53154.4/21

Left: -19.623+/-0.006 χ^2/NDF : 141571.8/44

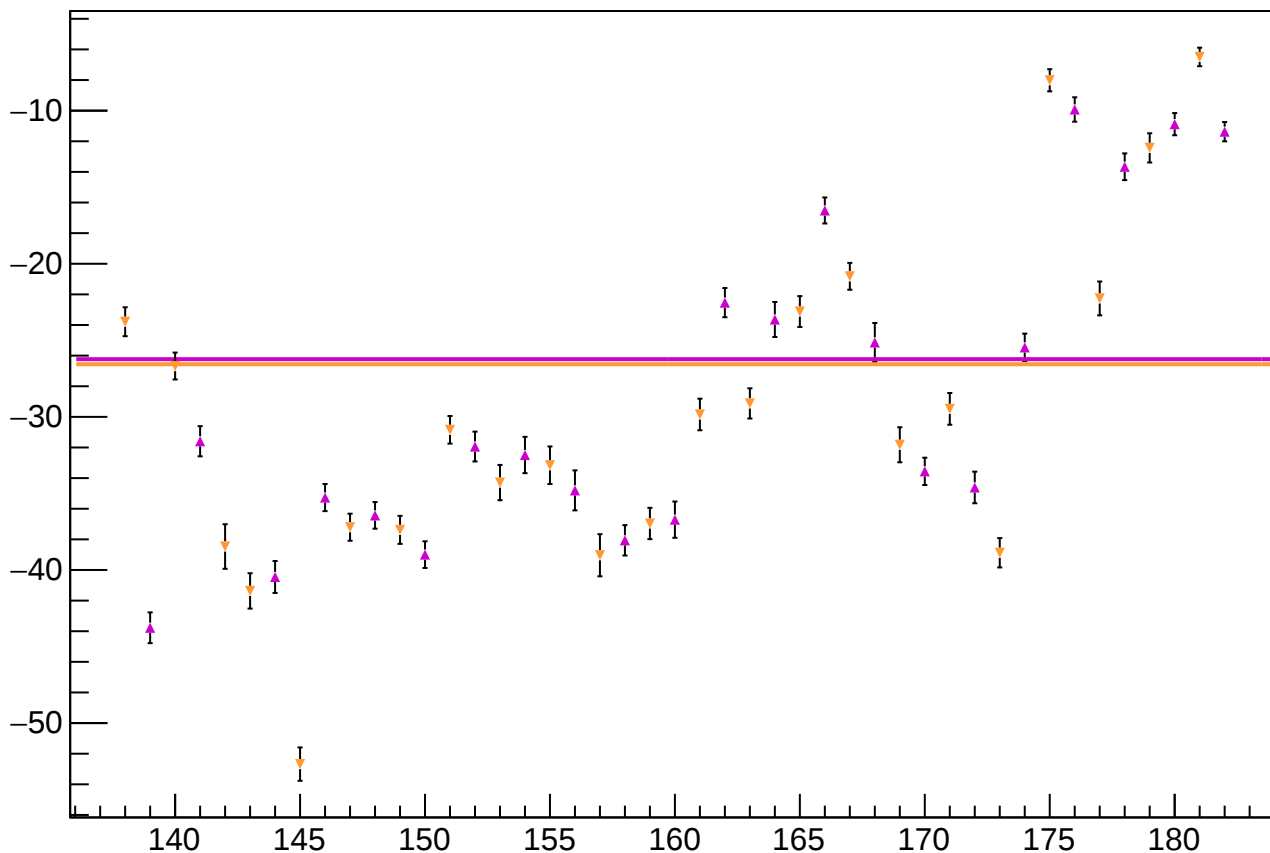
Right: -20.642+/-0.014 χ^2/NDF : 26210.1/35

In: -19.618+/-0.007 χ^2/NDF : 68876.2/38

Out: -19.937+/-0.008 χ^2/NDF : 102686.3/41

All: -19.775+/-0.005 χ^2/NDF : 172472.1/80

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -26.563+/-0.201 χ^2 /NDF:3638.9/22

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

Left In: -26.232+/-0.198 χ^2 /NDF:3216.8/21

Left: -26.395+/-0.141 χ^2 /NDF: 6857.1/44

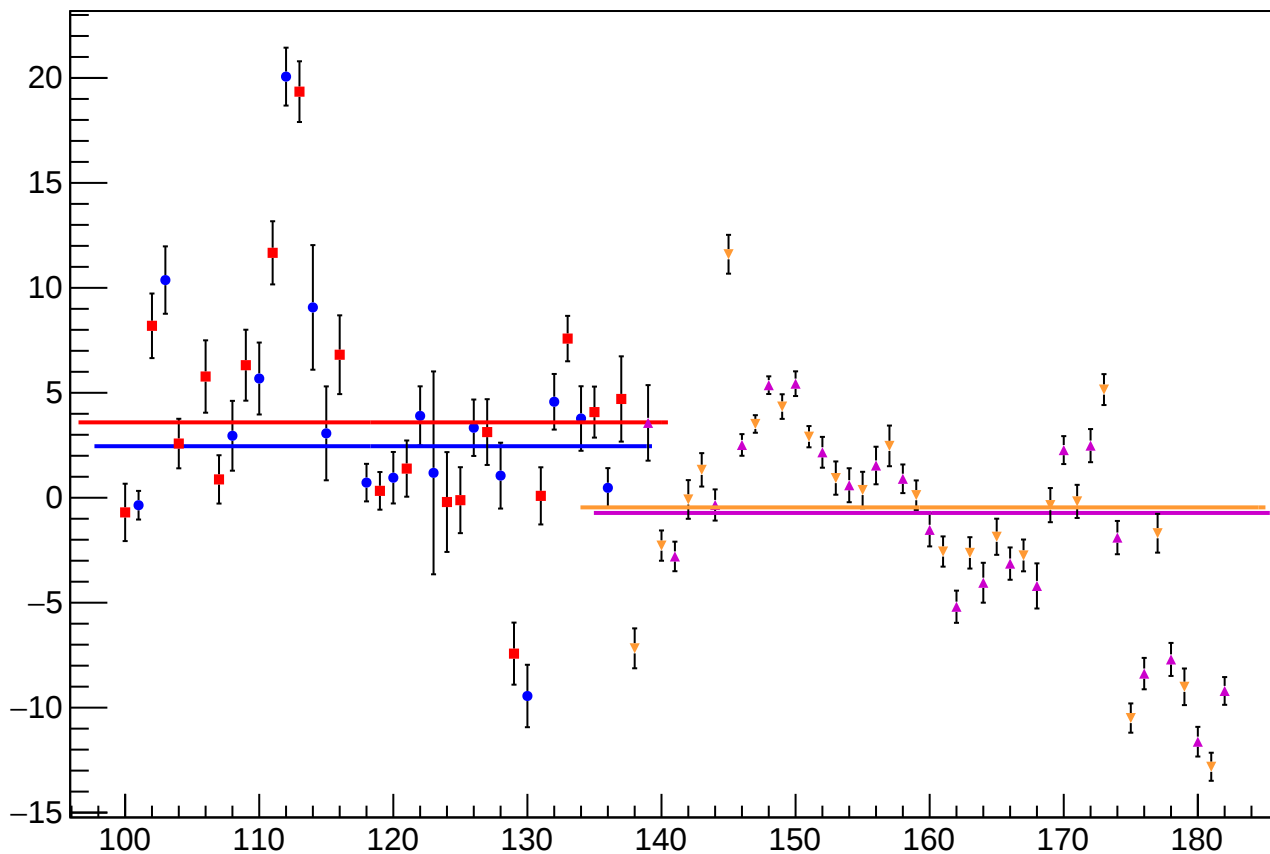
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: -26.232+/-0.198 χ^2 /NDF:3216.8/21

Out: -26.563+/-0.201 χ^2 /NDF:3638.9/22

All: -26.395+/-0.141 χ^2 /NDF: 6857.1/44

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 $\pm$ 0.315 χ^2 /NDF: 292.3/16

Left Out: -0.459 $\pm$ 0.151 χ^2 /NDF:1180.4/22

Right Out: 3.592 $\pm$ 0.318 χ^2 /NDF: 280.0/18

Left In: -0.724 $\pm$ 0.152 χ^2 /NDF:1094.4/21

Left: -0.591 $\pm$ 0.107 χ^2 /NDF: 2276.4/44

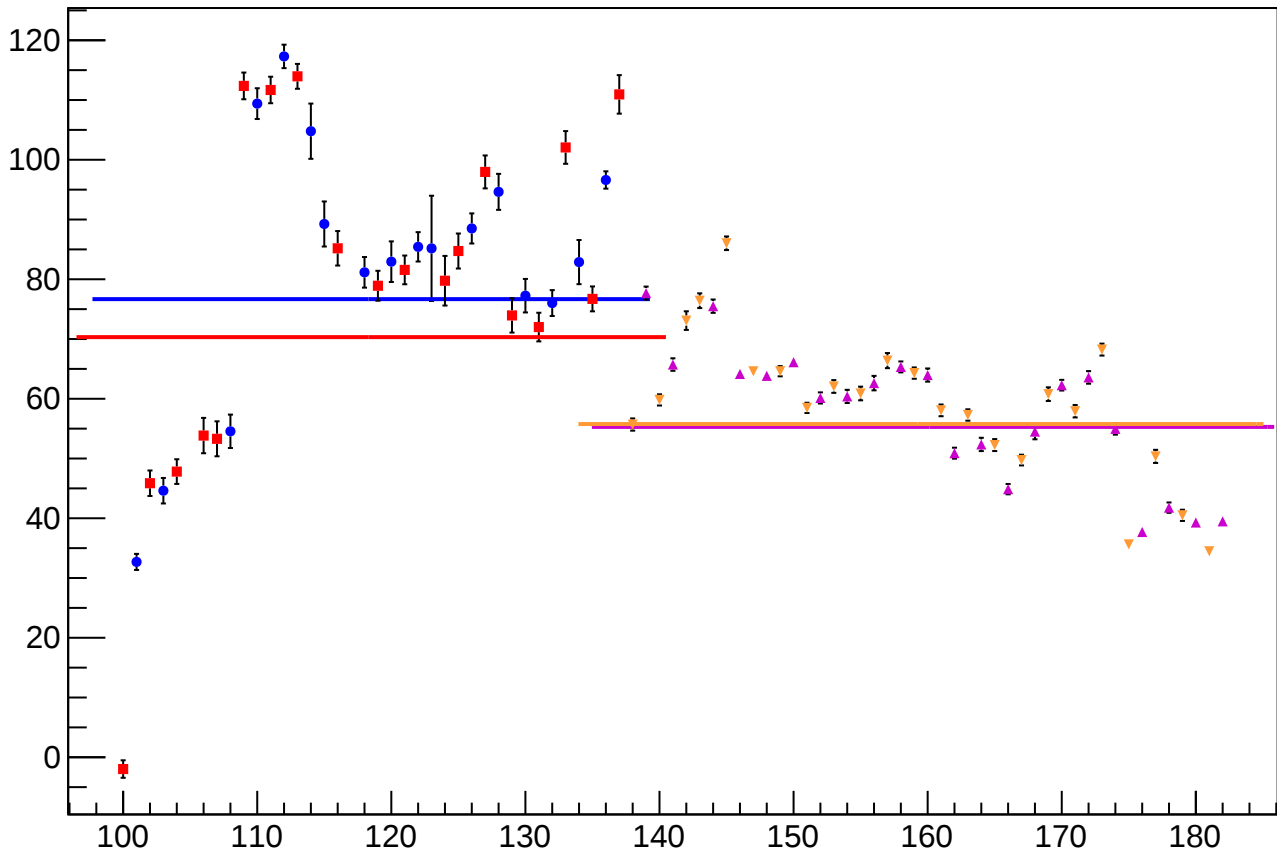
Right: 3.018 $\pm$ 0.224 χ^2 /NDF: 578.8/35

In: -0.124 $\pm$ 0.137 χ^2 /NDF:1469.4/38

Out: 0.284 $\pm$ 0.136 χ^2 /NDF:1592.8/41

All: 0.081 $\pm$ 0.097 χ^2 /NDF: 3066.7/80

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.675 $\pm$ 0.577 χ^2 /NDF: 2264.8/16

Left Out: 55.768 $\pm$ 0.200 χ^2 /NDF: 4023.1/22

Right Out: 70.316 $\pm$ 0.551 χ^2 /NDF: 4387.2/18

Left In: 55.291 $\pm$ 0.196 χ^2 /NDF: 3626.9/21

Left: 55.525 $\pm$ 0.140 χ^2 /NDF: 7652.9/44

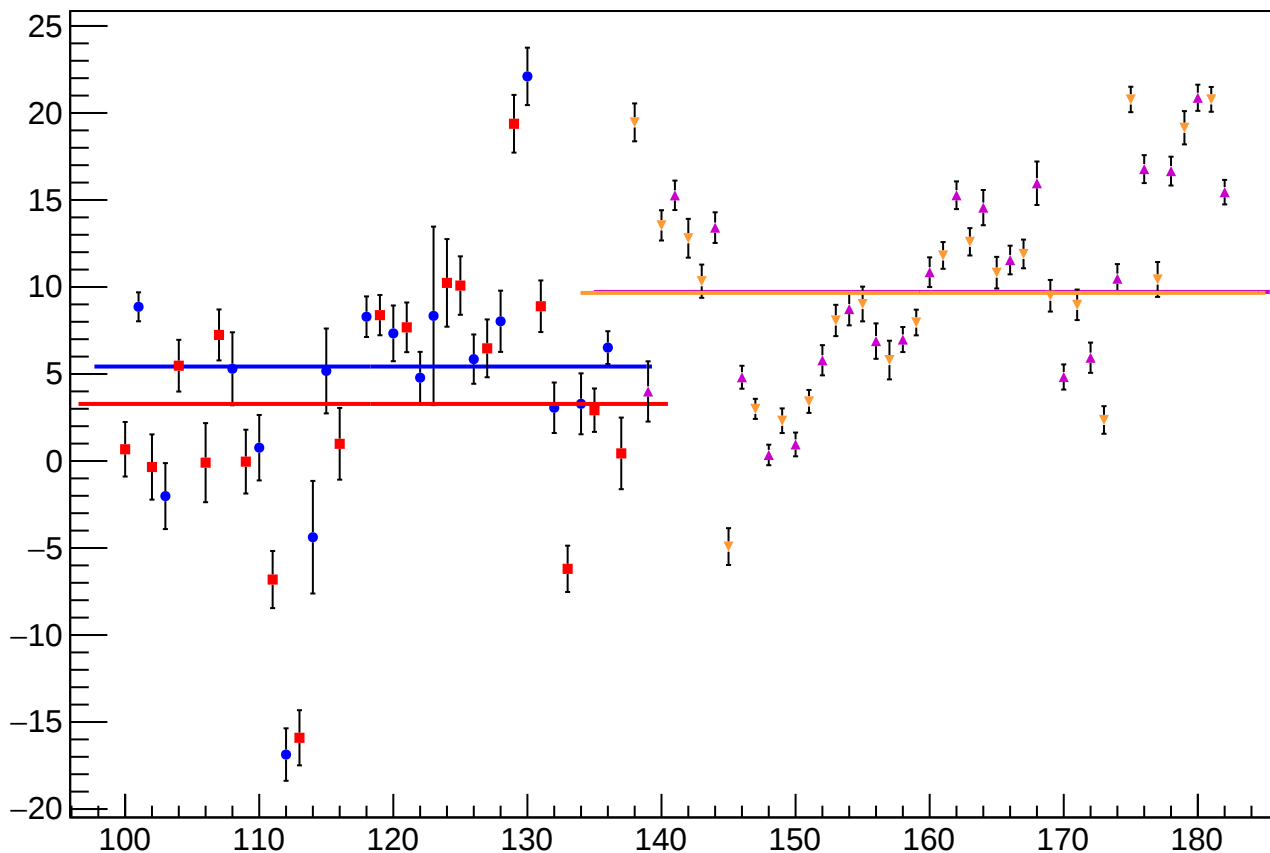
Right: 73.345 $\pm$ 0.398 χ^2 /NDF: 6715.6/35

In: 57.506 $\pm$ 0.186 χ^2 /NDF: 7121.9/38

Out: 57.466 $\pm$ 0.188 χ^2 /NDF: 9027.2/41

All: 57.487 $\pm$ 0.132 χ^2 /NDF: 16149.1/80

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.428 $\pm$ 0.361 χ^2 /NDF: 384.2/16

Left Out: 9.661 $\pm$ 0.174 χ^2 /NDF:1340.2/22

Right Out: 3.280 $\pm$ 0.366 χ^2 /NDF: 425.0/18

Left In: 9.717 $\pm$ 0.174 χ^2 /NDF:1190.5/21

Left: 9.689 $\pm$ 0.123 χ^2 /NDF: 2530.8/44

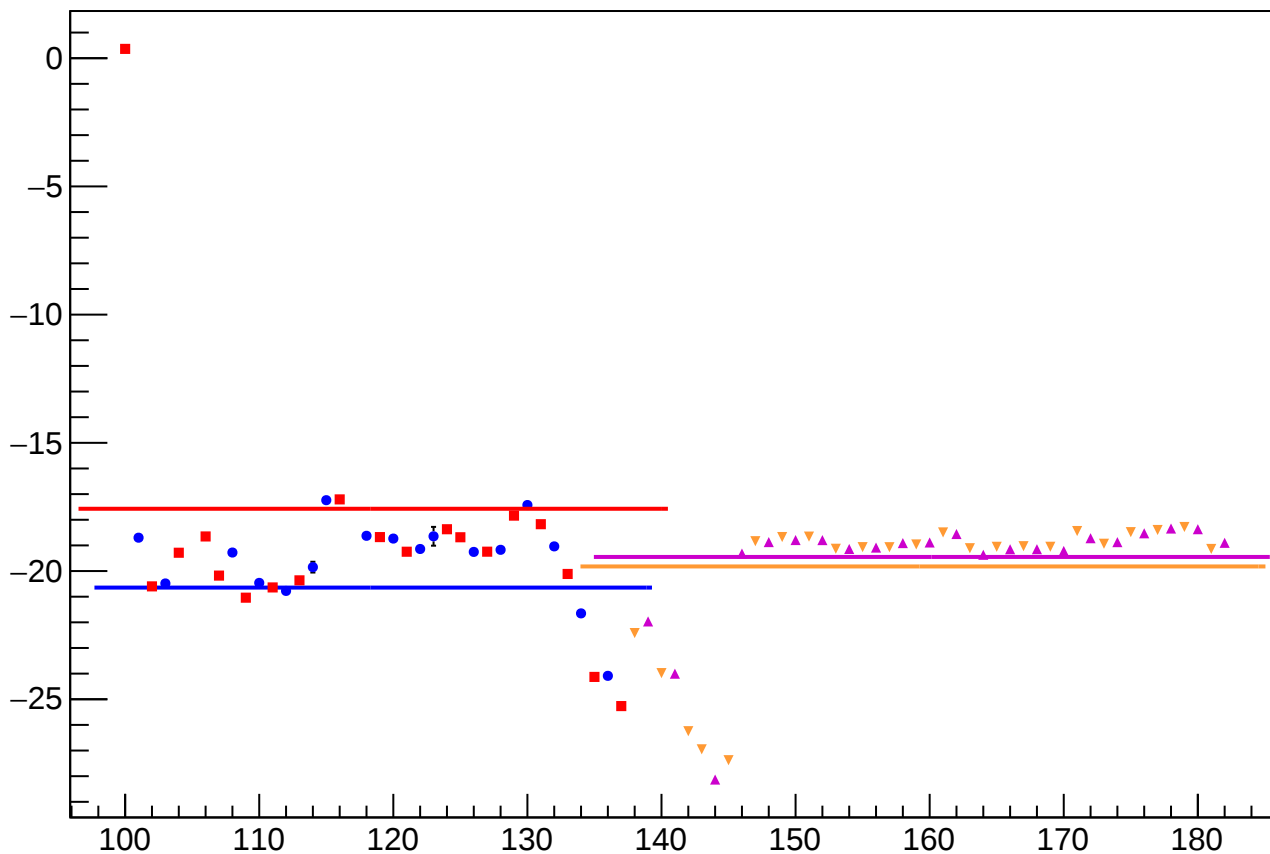
Right: 4.367 $\pm$ 0.257 χ^2 /NDF: 826.7/35

In: 8.912 $\pm$ 0.156 χ^2 /NDF:1689.2/38

Out: 8.486 $\pm$ 0.157 χ^2 /NDF:2013.8/41

All: 8.700 $\pm$ 0.111 χ^2 /NDF: 3706.8/80

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.645 $\pm$ 0.019 χ^2 /NDF: 12462.7/16

Left Out: -19.821 $\pm$ 0.008 χ^2 /NDF: 87241.3/22

Right Out: -17.571 $\pm$ 0.018 χ^2 /NDF: 178318.0/18

Left In: -19.450 $\pm$ 0.008 χ^2 /NDF: 53106.6/21

Left: -19.632 $\pm$ 0.006 χ^2 /NDF: 141388.4/44

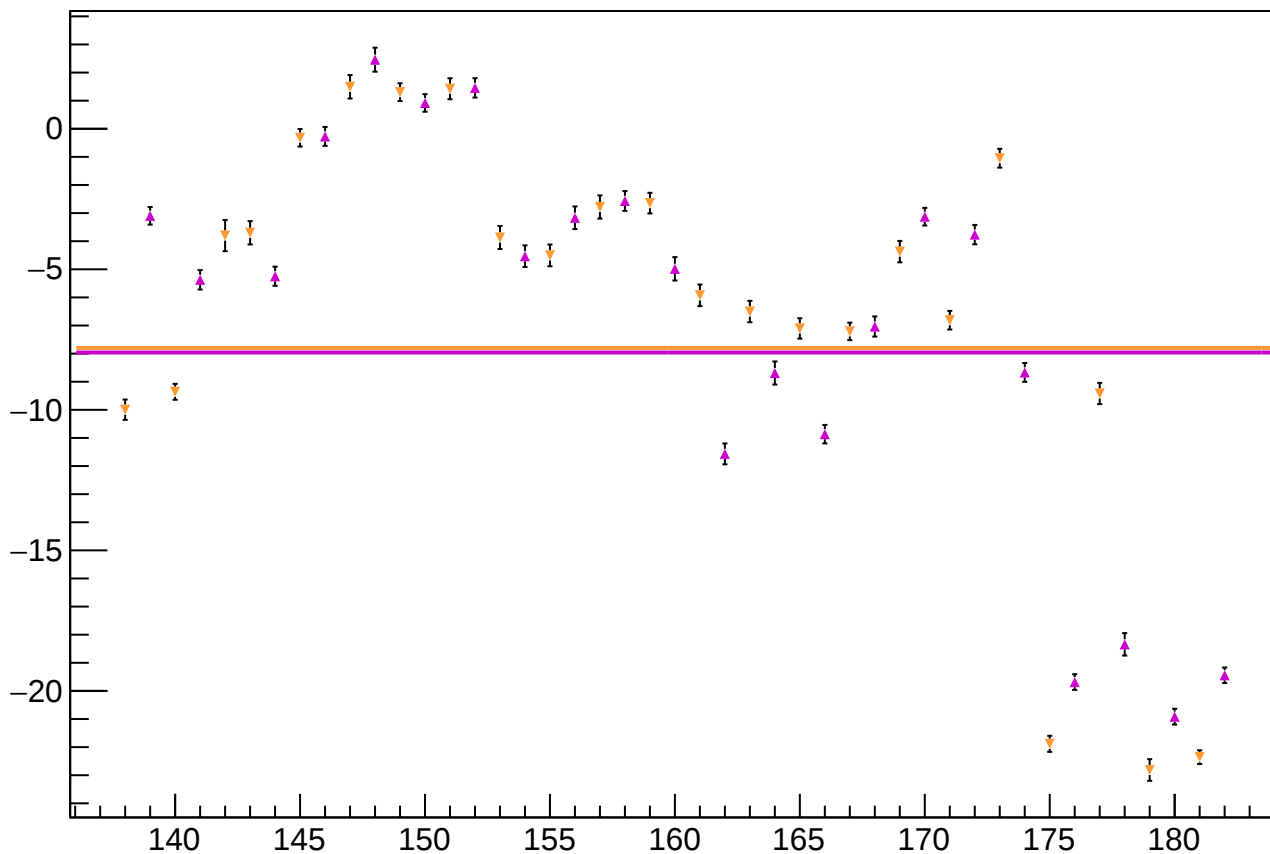
Right: -19.000 $\pm$ 0.013 χ^2 /NDF: 204267.4/35

In: -19.626 $\pm$ 0.007 χ^2 /NDF: 68818.0/38

Out: -19.435 $\pm$ 0.007 χ^2 /NDF: 278433.2/41

All: -19.531 $\pm$ 0.005 χ^2 /NDF: 347579.5/80

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



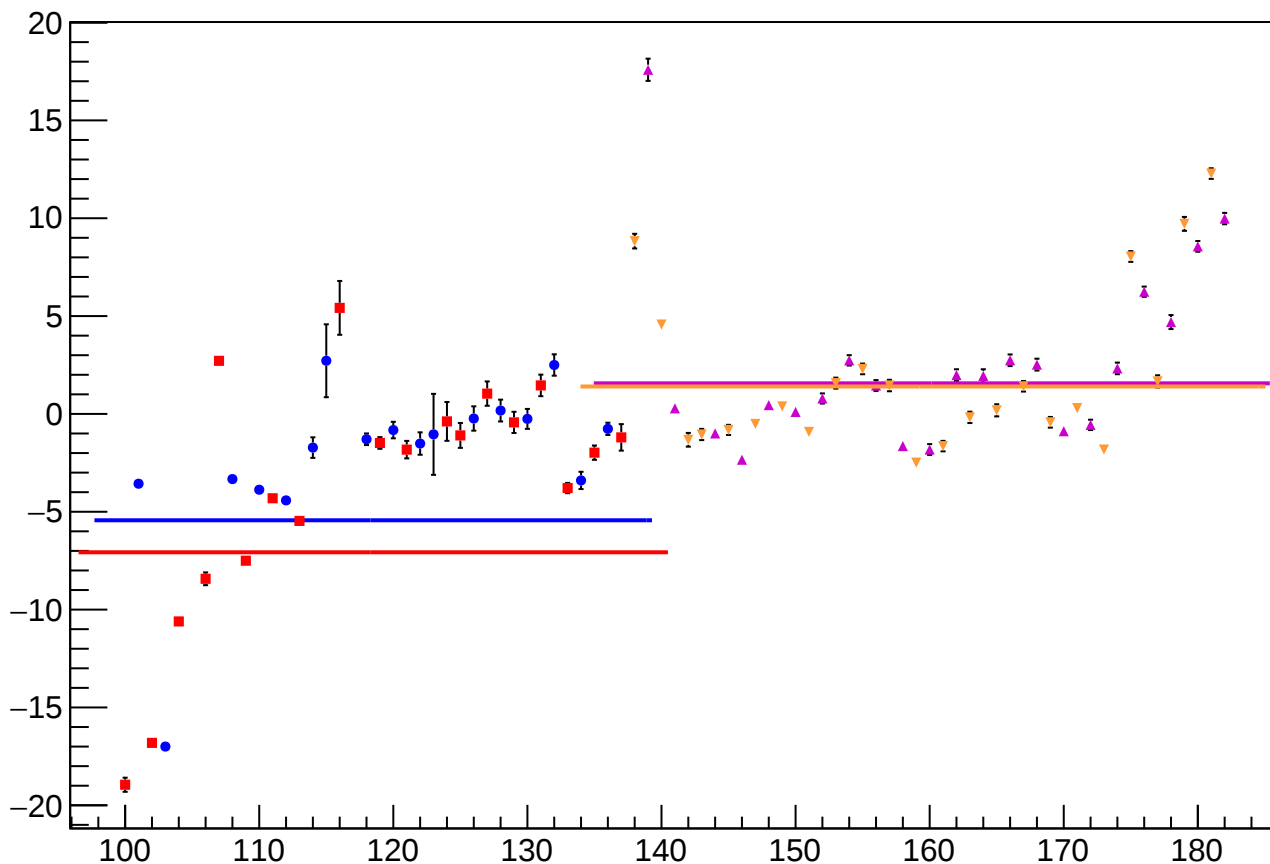
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.797 $\pm$ 0.073 χ^2 /NDF:11245.4/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -7.960 $\pm$ 0.073 χ^2 /NDF:10412.9/21

Left: -7.879 $\pm$ 0.052 χ^2 /NDF: 21660.8/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -7.960 $\pm$ 0.073 χ^2 /NDF:10412.9/21
 Out: -7.797 $\pm$ 0.073 χ^2 /NDF:11245.4/22

All: -7.879 $\pm$ 0.052 χ^2 /NDF: 21660.8/44

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.435 ± 0.055 χ^2/NDF : 9226.6/16

Left Out: 1.402 ± 0.056 χ^2/NDF : 4384.9/22

Right Out: -7.071 ± 0.059 χ^2/NDF : 12294.3/18

Left In: 1.563 ± 0.057 χ^2/NDF : 3795.2/21

Left: 1.481 ± 0.040 χ^2/NDF : 8184.1/44

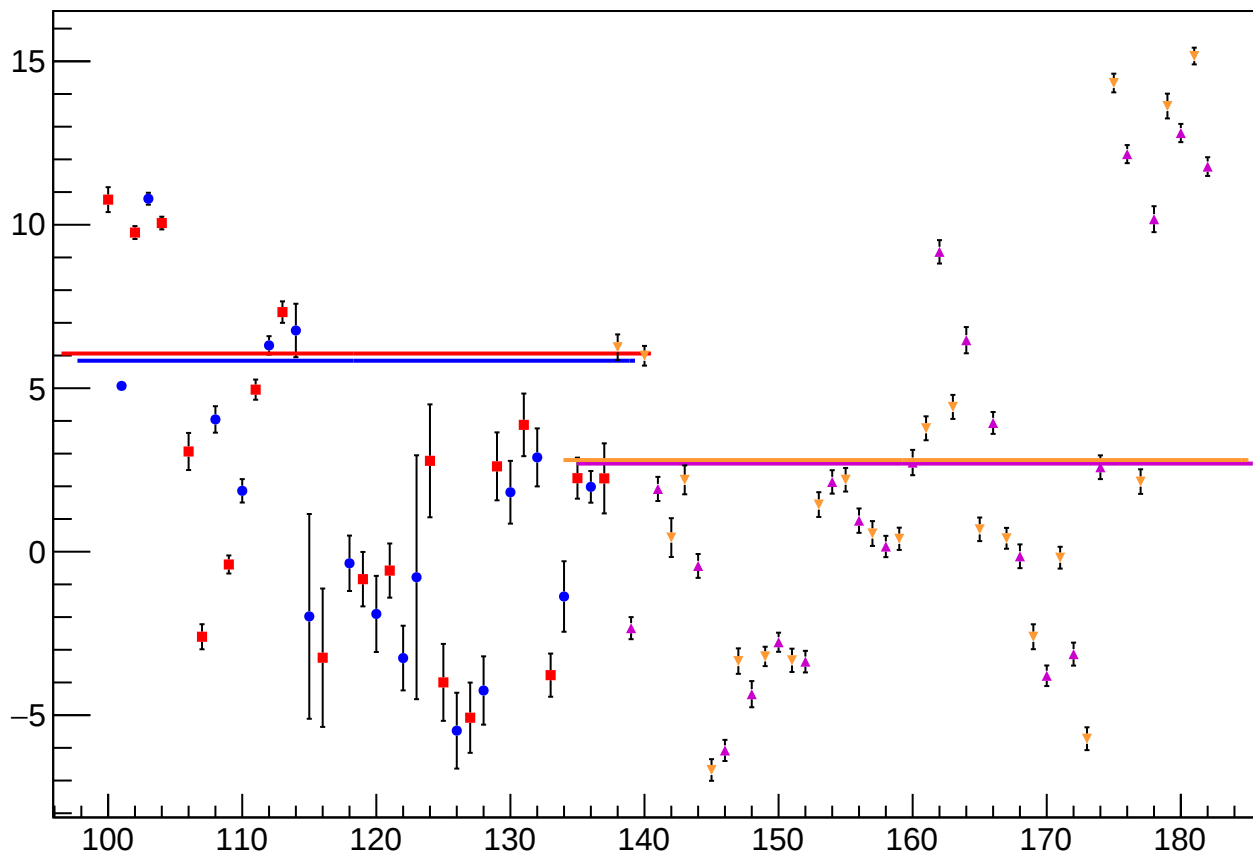
Right: -6.194 ± 0.040 χ^2/NDF : 21932.5/35

In: -2.065 ± 0.040 χ^2/NDF : 20851.6/38

Out: -2.592 ± 0.041 χ^2/NDF : 27564.9/41

All: -2.322 ± 0.028 χ^2/NDF : 48503.4/80

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.842 ± 0.090 $\chi^2/\text{NDF}: 1436.5/16$

Left Out: 2.803 ± 0.073 $\chi^2/\text{NDF}: 7869.9/22$

Right Out: 6.062 ± 0.093 $\chi^2/\text{NDF}: 2664.6/18$

Left In: 2.695 ± 0.072 $\chi^2/\text{NDF}: 7157.0/21$

Left: 2.748 ± 0.051 $\chi^2/\text{NDF}: 15027.9/44$

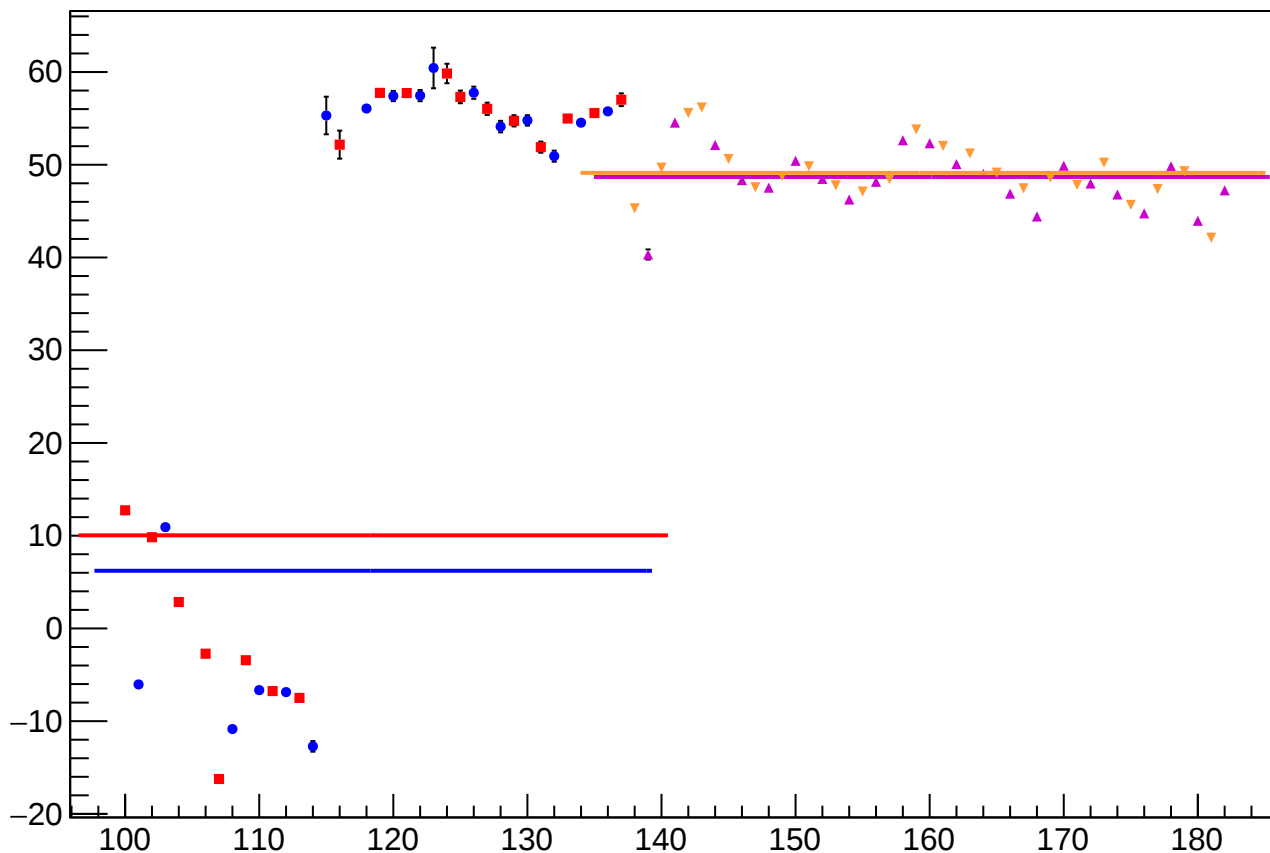
Right: 5.947 ± 0.065 $\chi^2/\text{NDF}: 4104.0/35$

In: 3.931 ± 0.056 $\chi^2/\text{NDF}: 9340.9/38$

Out: 4.035 ± 0.057 $\chi^2/\text{NDF}: 11292.5/41$

All: 3.982 ± 0.040 $\chi^2/\text{NDF}: 20635.0/80$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.217 ± 0.065 $\chi^2/\text{NDF}: 120600.0/16$

Left Out: 49.128 ± 0.064 $\chi^2/\text{NDF}: 2149.2/22$

Right Out: 10.040 ± 0.070 $\chi^2/\text{NDF}: 121726.0/18$

Left In: 48.684 ± 0.064 $\chi^2/\text{NDF}: 2036.5/21$

Left: 48.908 ± 0.045 $\chi^2/\text{NDF}: 4209.8/44$

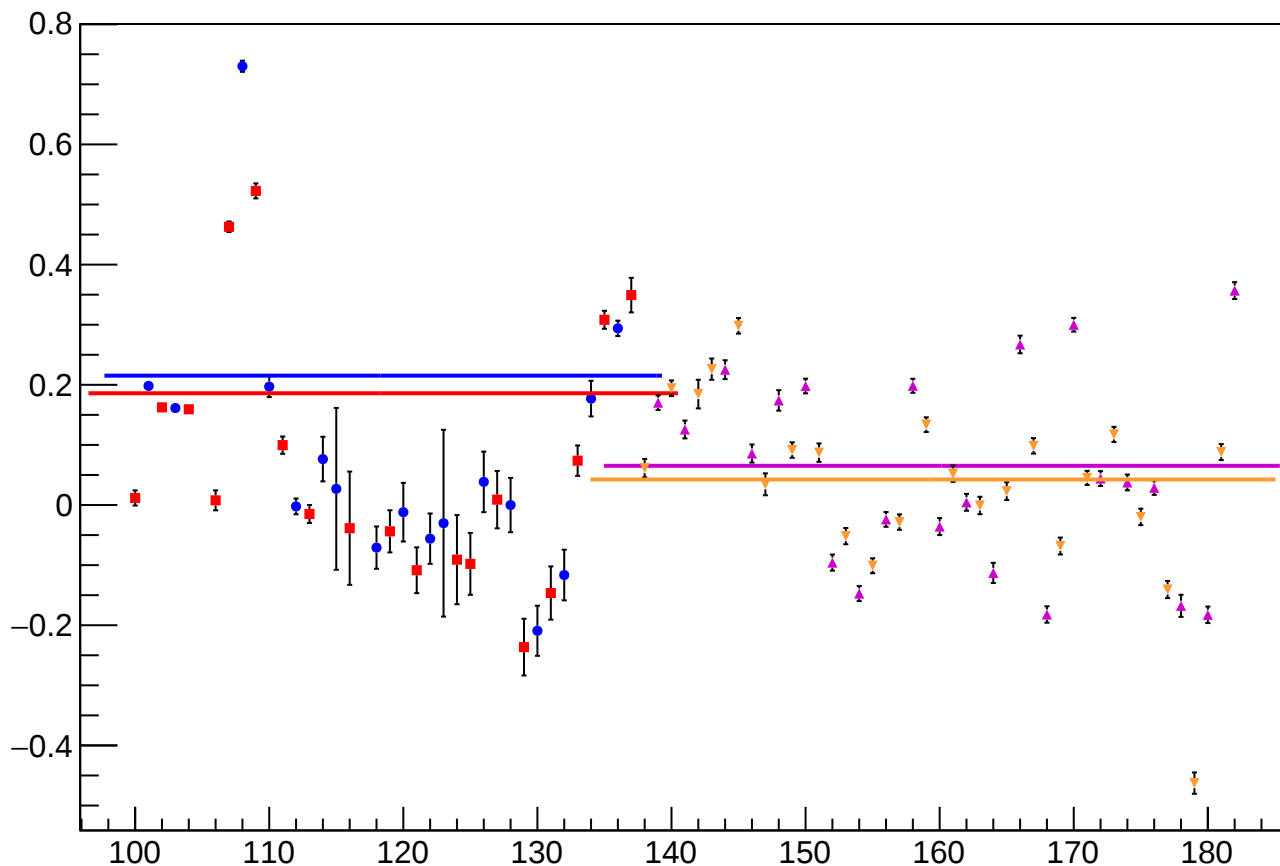
Right: 7.989 ± 0.048 $\chi^2/\text{NDF}: 243936.5/35$

In: 27.660 ± 0.046 $\chi^2/\text{NDF}: 339102.6/38$

Out: 31.413 ± 0.047 $\chi^2/\text{NDF}: 295527.6/41$

All: 29.483 ± 0.033 $\chi^2/\text{NDF}: 637915.1/80$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3923.9/16

Left Out: 0.042 $\pm$ 0.003 χ^2 /NDF:2095.4/22

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2715.5/18

Left In: 0.065 $\pm$ 0.003 χ^2 /NDF:3030.6/21

Left: 0.054 $\pm$ 0.002 χ^2 /NDF: 5156.8/44

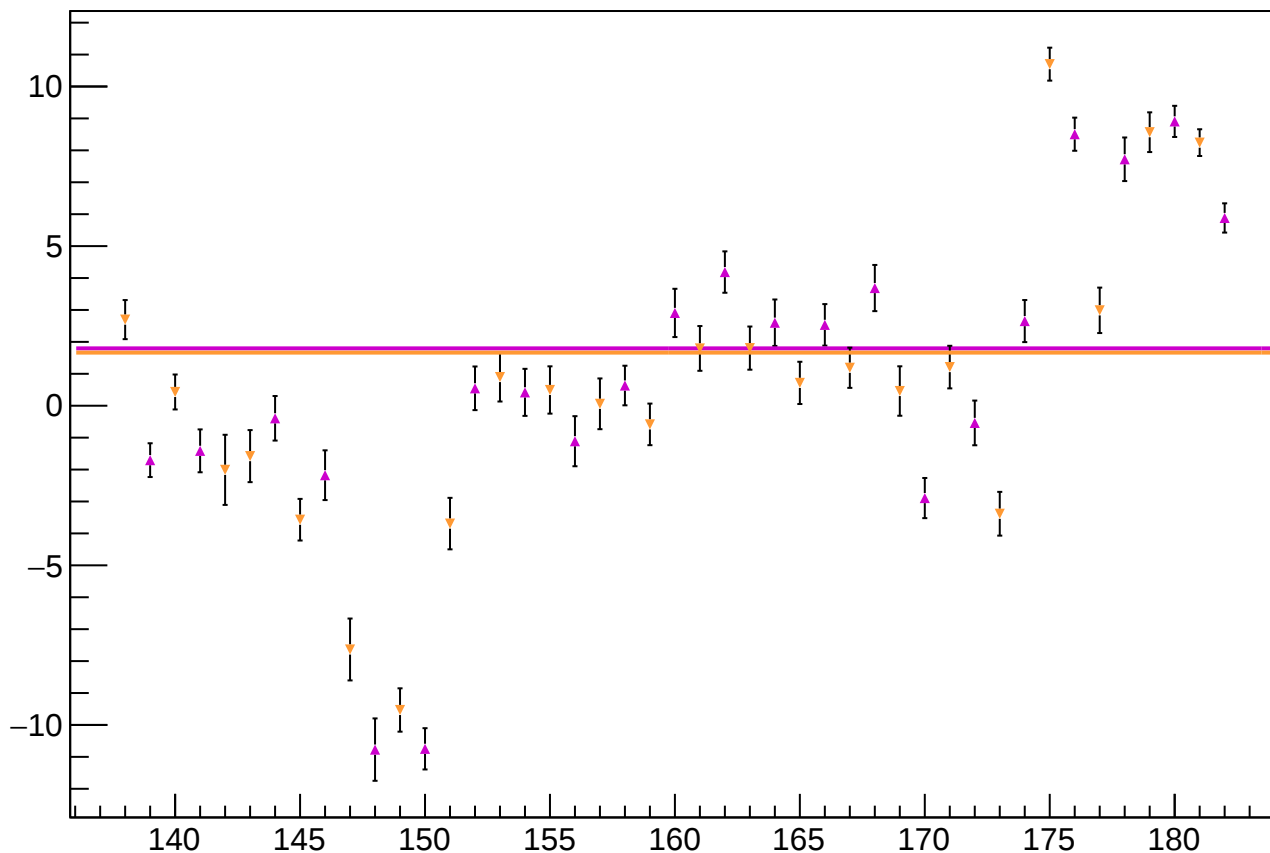
Right: 0.200 $\pm$ 0.002 χ^2 /NDF: 6697.0/35

In: 0.143 $\pm$ 0.002 χ^2 /NDF:8360.5/38

Out: 0.120 $\pm$ 0.002 χ^2 /NDF:6120.3/41

All: 0.132 $\pm$ 0.001 χ^2 /NDF: 14549.5/80

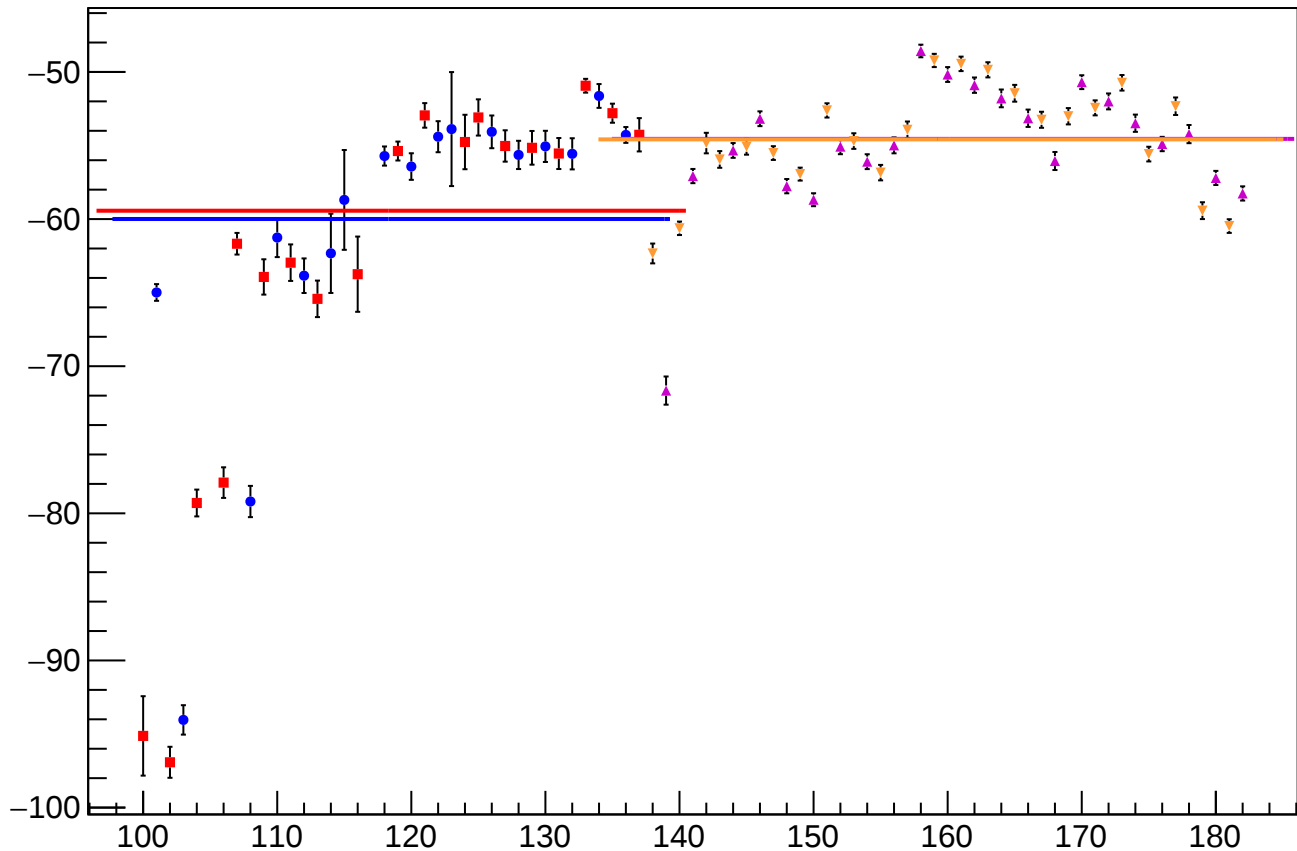
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 1.664 $\pm$ 0.139 χ^2 /NDF:1266.4/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.796 $\pm$ 0.137 χ^2 /NDF:1296.4/21

Left: 1.731 $\pm$ 0.098 χ^2 /NDF: 2563.2/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 1.796 $\pm$ 0.137 χ^2 /NDF:1296.4/21
 Out: 1.664 $\pm$ 0.139 χ^2 /NDF:1266.4/22
 All: 1.731 $\pm$ 0.098 χ^2 /NDF: 2563.2/44

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.993 ± 0.225 $\chi^2/\text{NDF}: 1973.4/16$

Left Out: -54.584 ± 0.109 $\chi^2/\text{NDF}: 1084.0/22$

Right Out: -59.431 ± 0.212 $\chi^2/\text{NDF}: 2920.1/18$

Left In: -54.548 ± 0.111 $\chi^2/\text{NDF}: 1033.2/21$

Left: -54.566 ± 0.078 $\chi^2/\text{NDF}: 2117.2/44$

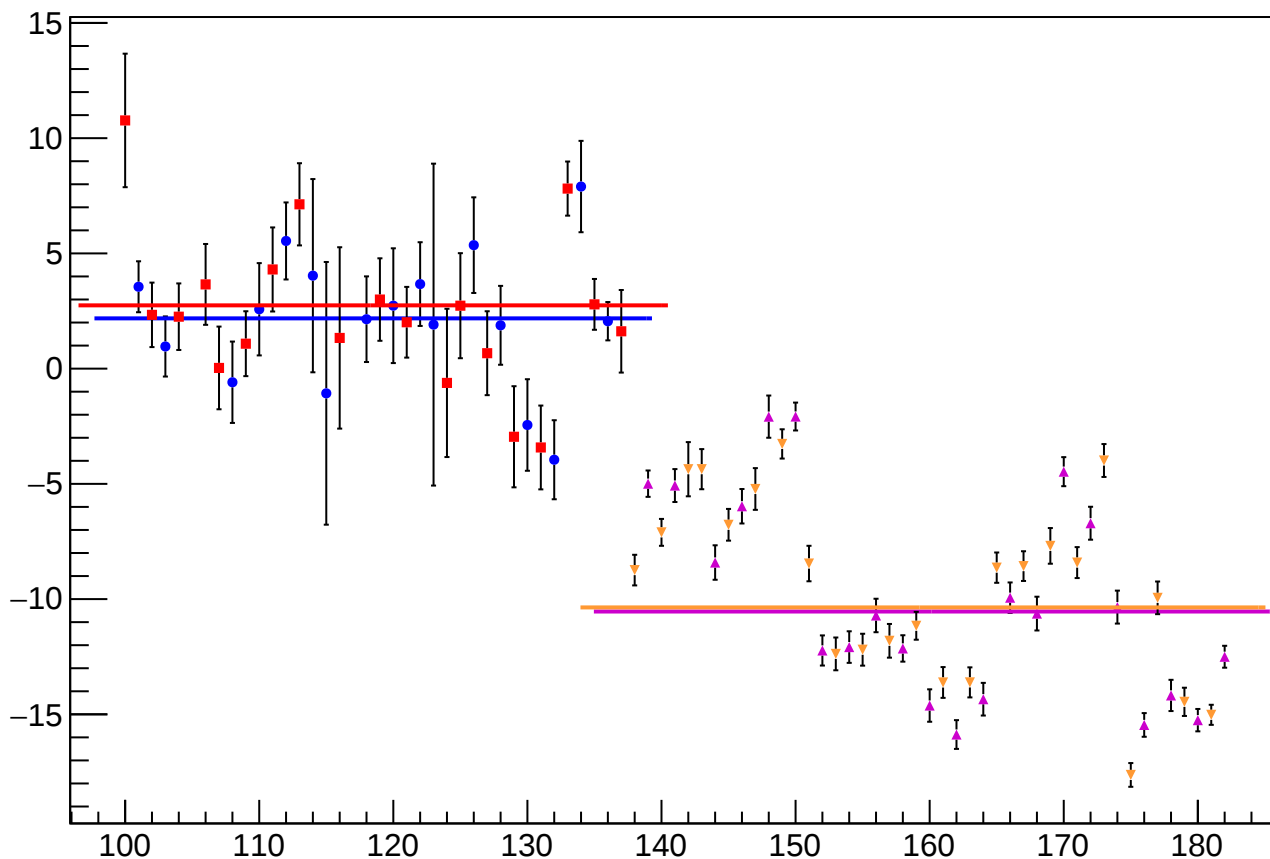
Right: -59.696 ± 0.154 $\chi^2/\text{NDF}: 4896.8/35$

In: -55.610 ± 0.099 $\chi^2/\text{NDF}: 3477.1/38$

Out: -55.595 ± 0.097 $\chi^2/\text{NDF}: 4417.4/41$

All: -55.602 ± 0.069 $\chi^2/\text{NDF}: 7894.5/80$

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.2/16$

Left Out: -10.361 ± 0.138 $\chi^2/\text{NDF}: 843.6/22$

Right Out: 2.746 ± 0.388 $\chi^2/\text{NDF}: 58.7/18$

Left In: -10.539 ± 0.136 $\chi^2/\text{NDF}: 988.5/21$

Left: -10.451 ± 0.097 $\chi^2/\text{NDF}: 1832.9/44$

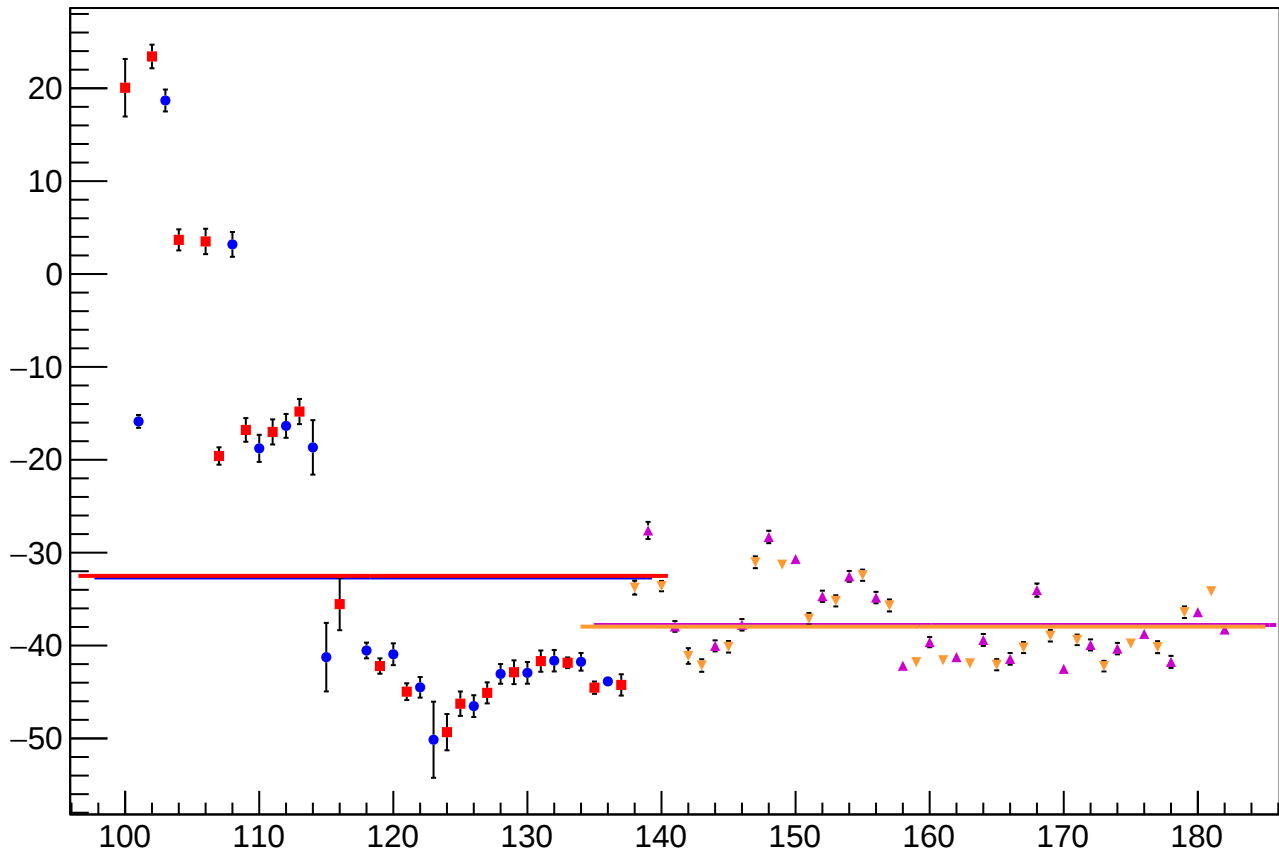
Right: 2.476 ± 0.281 $\chi^2/\text{NDF}: 98.8/35$

In: -9.249 ± 0.129 $\chi^2/\text{NDF}: 1909.3/38$

Out: -8.886 ± 0.130 $\chi^2/\text{NDF}: 1912.6/41$

All: -9.069 ± 0.092 $\chi^2/\text{NDF}: 3825.8/80$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.671 ± 0.256 χ^2/NDF : 4642.6/16

Left Out: -37.965 ± 0.123 χ^2/NDF : 936.7/22

Right Out: -32.501 ± 0.244 χ^2/NDF : 6042.9/18

Left In: -37.790 ± 0.124 χ^2/NDF : 1038.8/21

Left: -37.878 ± 0.087 χ^2/NDF : 1976.5/44

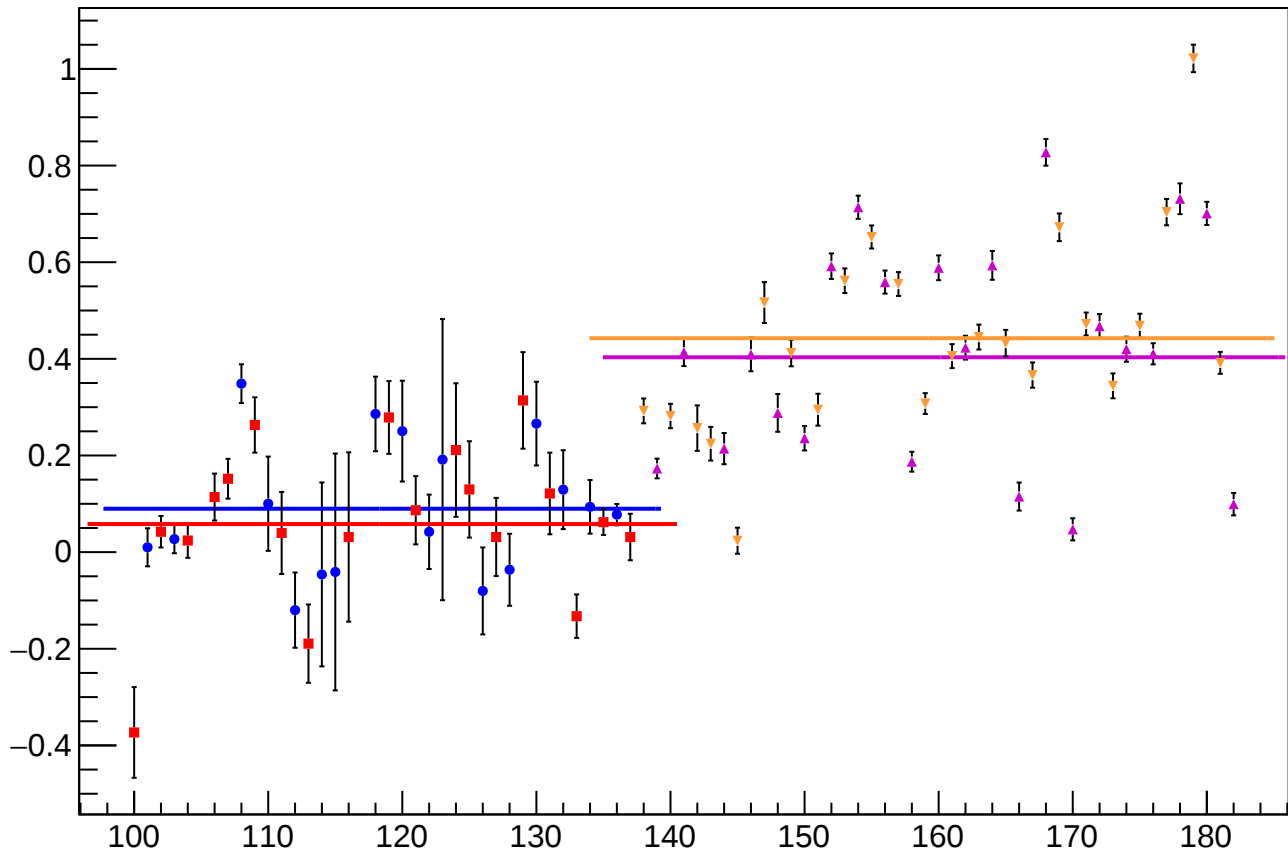
Right: -32.582 ± 0.177 χ^2/NDF : 10685.8/35

In: -36.823 ± 0.111 χ^2/NDF : 6005.6/38

Out: -36.864 ± 0.110 χ^2/NDF : 7379.1/41

All: -36.844 ± 0.078 χ^2/NDF : 13384.8/80

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 79.1/16

Left Out: 0.443 $\pm$ 0.006 χ^2 /NDF:1158.6/22

Right Out: 0.058 $\pm$ 0.012 χ^2 /NDF: 87.0/18

Left In: 0.403 $\pm$ 0.005 χ^2 /NDF:1694.9/21

Left: 0.423 $\pm$ 0.004 χ^2 /NDF: 2878.9/44

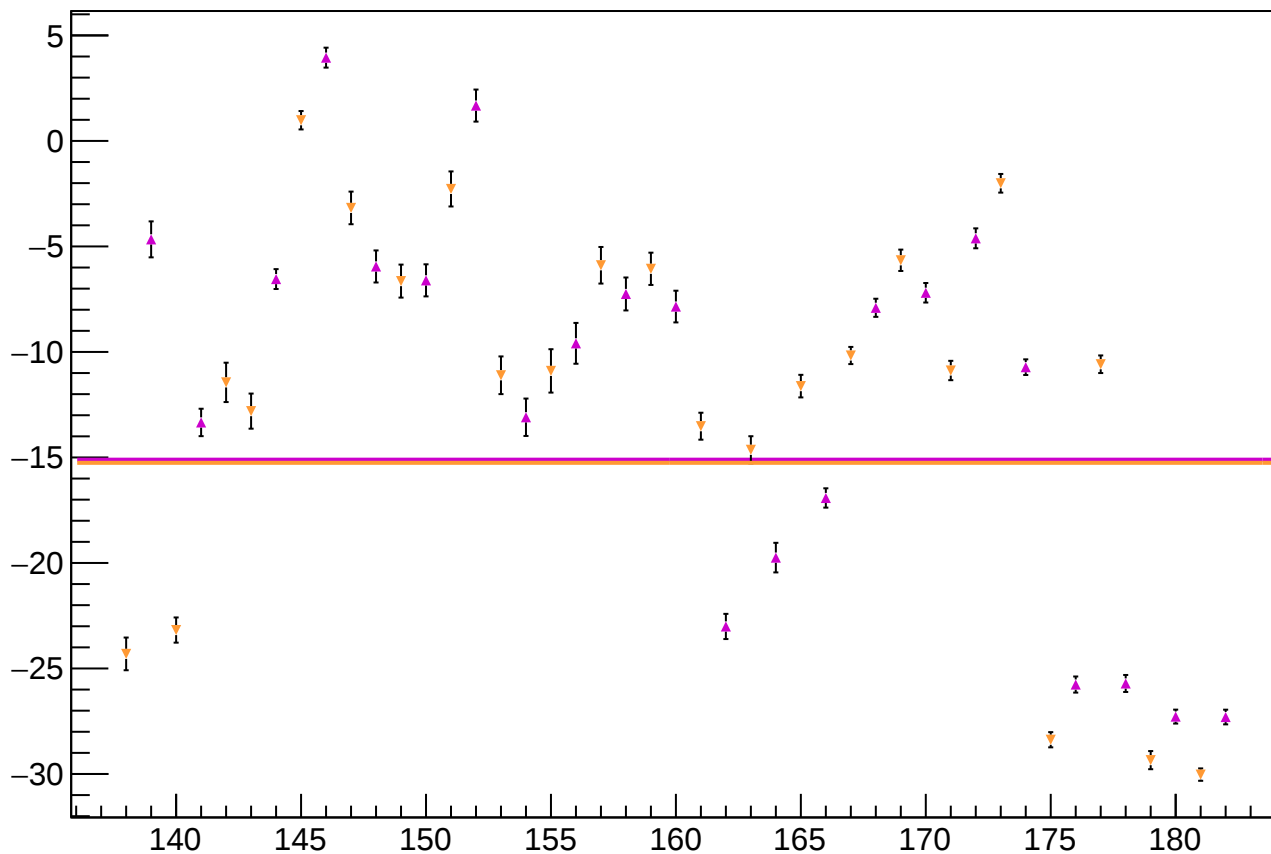
Right: 0.073 $\pm$ 0.009 χ^2 /NDF: 169.3/35

In: 0.354 $\pm$ 0.005 χ^2 /NDF:2284.0/38

Out: 0.376 $\pm$ 0.005 χ^2 /NDF:2070.3/41

All: 0.365 $\pm$ 0.004 χ^2 /NDF: 4363.5/80

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: -15.255+/-0.111 χ^2/NDF : 9255.2/22

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

Left In: -15.105+/-0.108 χ^2/NDF : 8605.1/21

Left: -15.178+/-0.077 χ^2/NDF : 17861.2/44

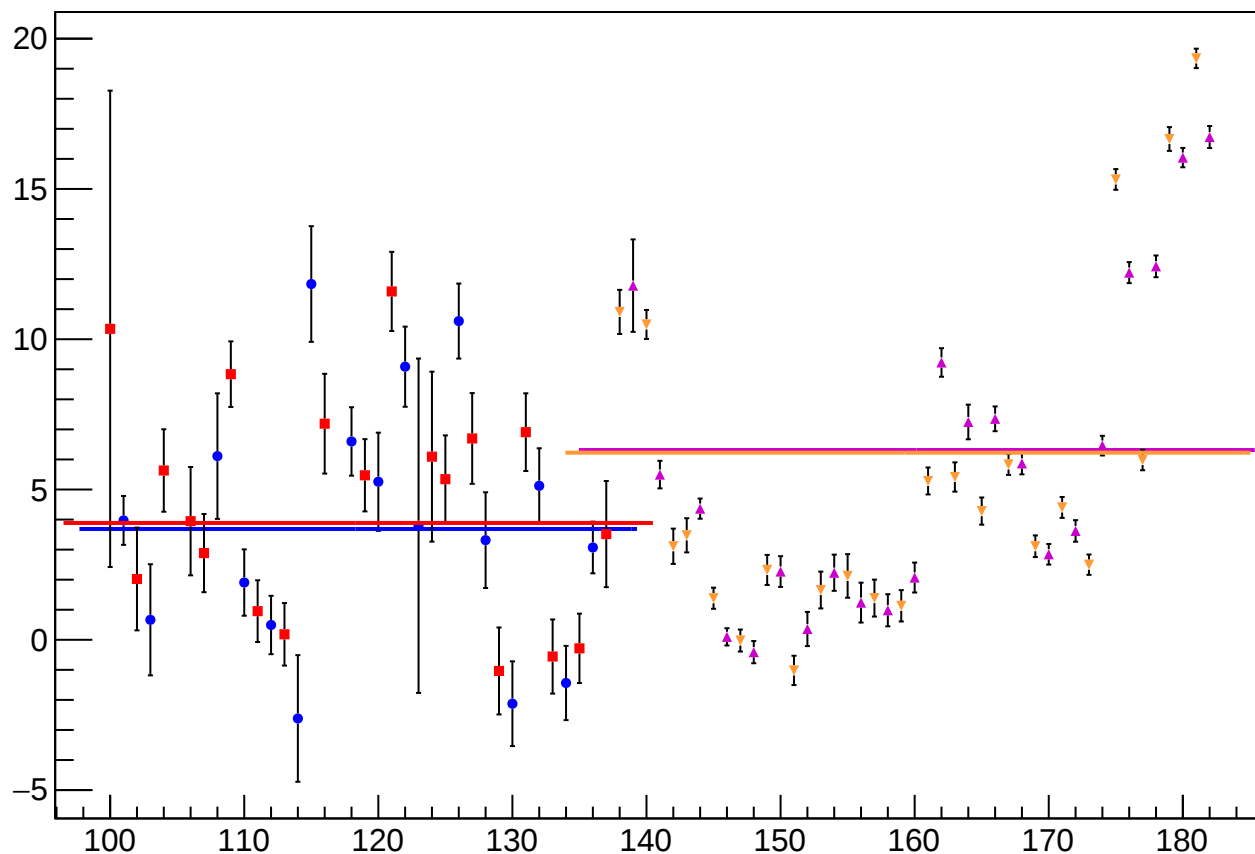
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.105+/-0.108 χ^2/NDF : 8605.1/21

Out: -15.255+/-0.111 χ^2/NDF : 9255.2/22

All: -15.178+/-0.077 χ^2/NDF : 17861.2/44

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.687 ± 0.311 χ^2/NDF : 135.1/16

Left Out: 6.225 ± 0.089 χ^2/NDF : 4469.5/22

Right Out: 3.887 ± 0.317 χ^2/NDF : 133.7/18

Left In: 6.314 ± 0.087 χ^2/NDF : 3799.4/21

Left: 6.270 ± 0.062 χ^2/NDF : 8269.4/44

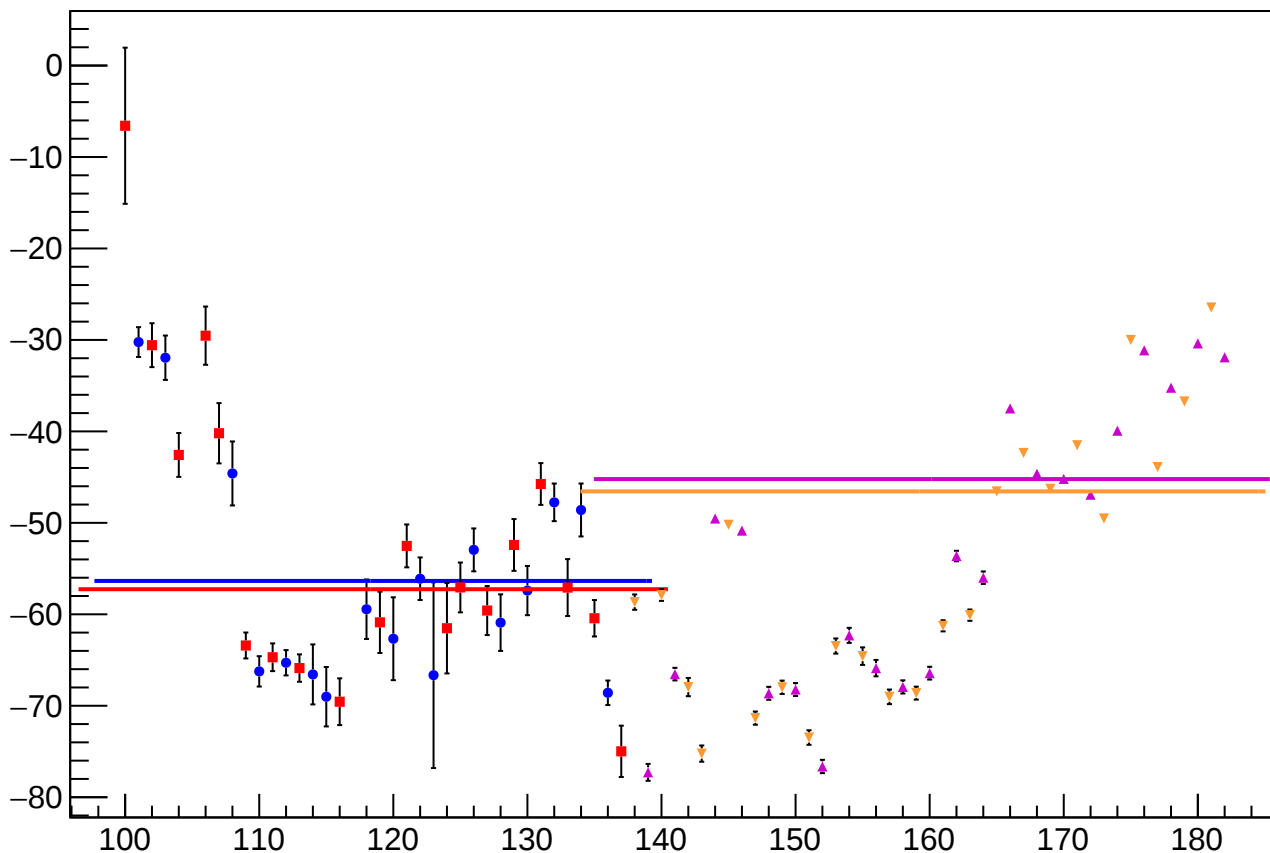
Right: 3.785 ± 0.222 χ^2/NDF : 269.0/35

In: 6.123 ± 0.084 χ^2/NDF : 4000.7/38

Out: 6.055 ± 0.085 χ^2/NDF : 4653.7/41

All: 6.090 ± 0.060 χ^2/NDF : 8654.8/80

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.351 ± 0.544 χ^2/NDF : 587.4/16

Left Out: -46.561 ± 0.112 χ^2/NDF : 16136.6/22

Right Out: -57.256 ± 0.537 χ^2/NDF : 475.7/18

Left In: -45.216 ± 0.108 χ^2/NDF : 15600.1/21

Left: -45.868 ± 0.078 χ^2/NDF : 31811.3/44

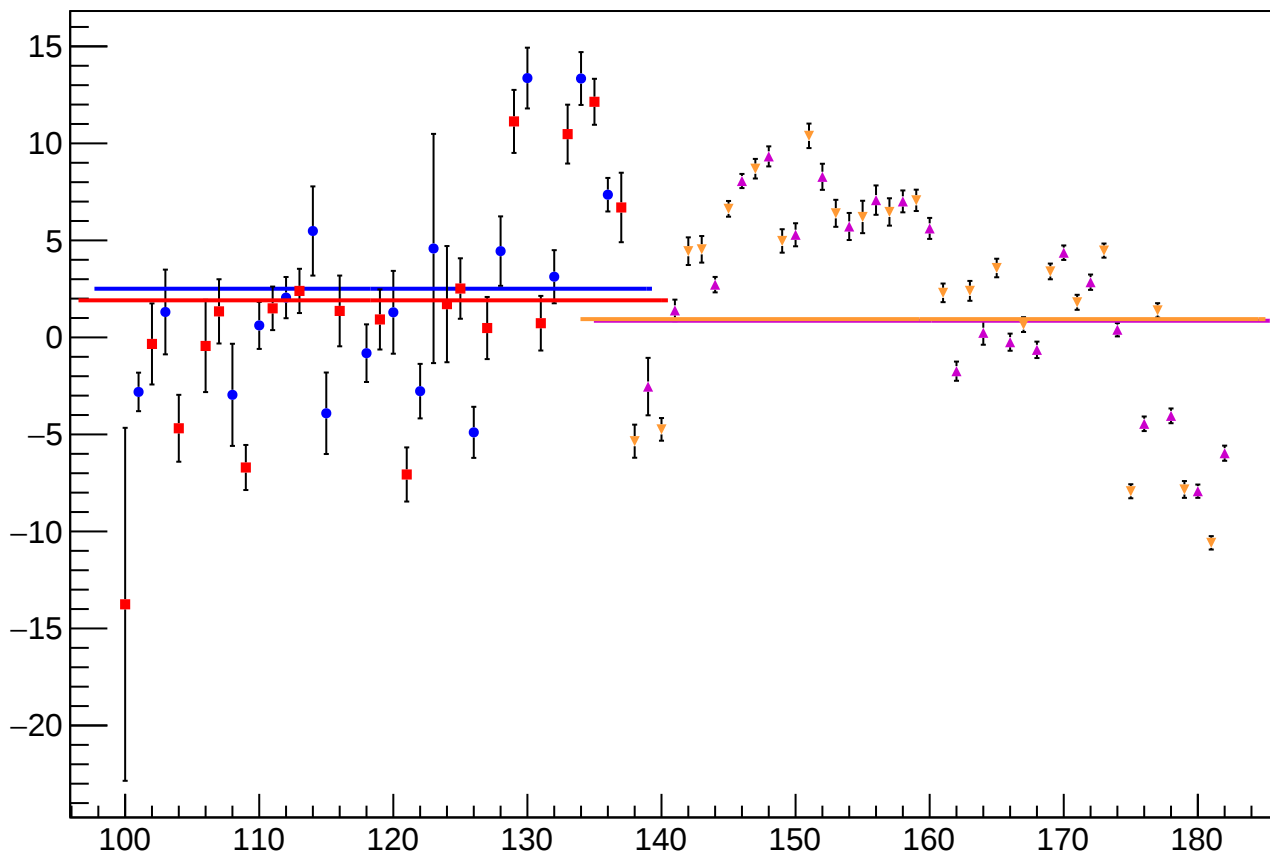
Right: -56.810 ± 0.382 χ^2/NDF : 1064.5/35

In: -45.642 ± 0.106 χ^2/NDF : 16590.0/38

Out: -47.006 ± 0.109 χ^2/NDF : 16992.6/41

All: -46.304 ± 0.076 χ^2/NDF : 33662.5/80

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.509 ± 0.348 χ^2/NDF : 242.2/16

Left Out: 0.943 ± 0.100 χ^2/NDF : 3494.8/22

Right Out: 1.911 ± 0.356 χ^2/NDF : 264.6/18

Left In: 0.859 ± 0.098 χ^2/NDF : 2667.2/21

Left: 0.900 ± 0.070 χ^2/NDF : 6162.4/44

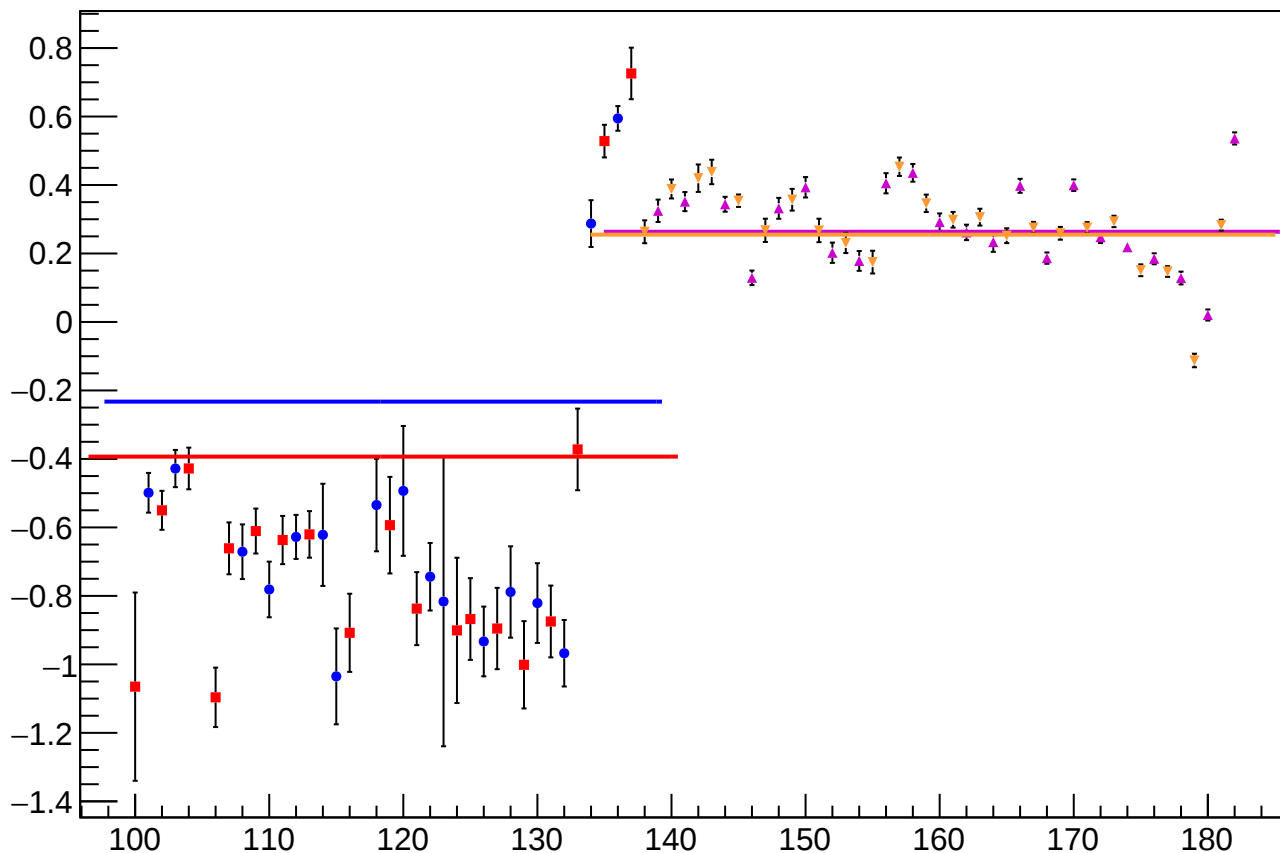
Right: 2.216 ± 0.249 χ^2/NDF : 508.3/35

In: 0.979 ± 0.094 χ^2/NDF : 2930.3/38

Out: 1.013 ± 0.096 χ^2/NDF : 3766.2/41

All: 0.996 ± 0.067 χ^2/NDF : 6696.6/80

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.233 $\pm$ 0.019 χ^2 /NDF: 957.0/16

Left Out: 0.255 $\pm$ 0.005 χ^2 /NDF:629.7/22

Right Out: -0.393 $\pm$ 0.019 χ^2 /NDF: 844.6/18

Left In: 0.263 $\pm$ 0.004 χ^2 /NDF:852.3/21

Left: 0.259 $\pm$ 0.003 χ^2 /NDF: 1483.7/44

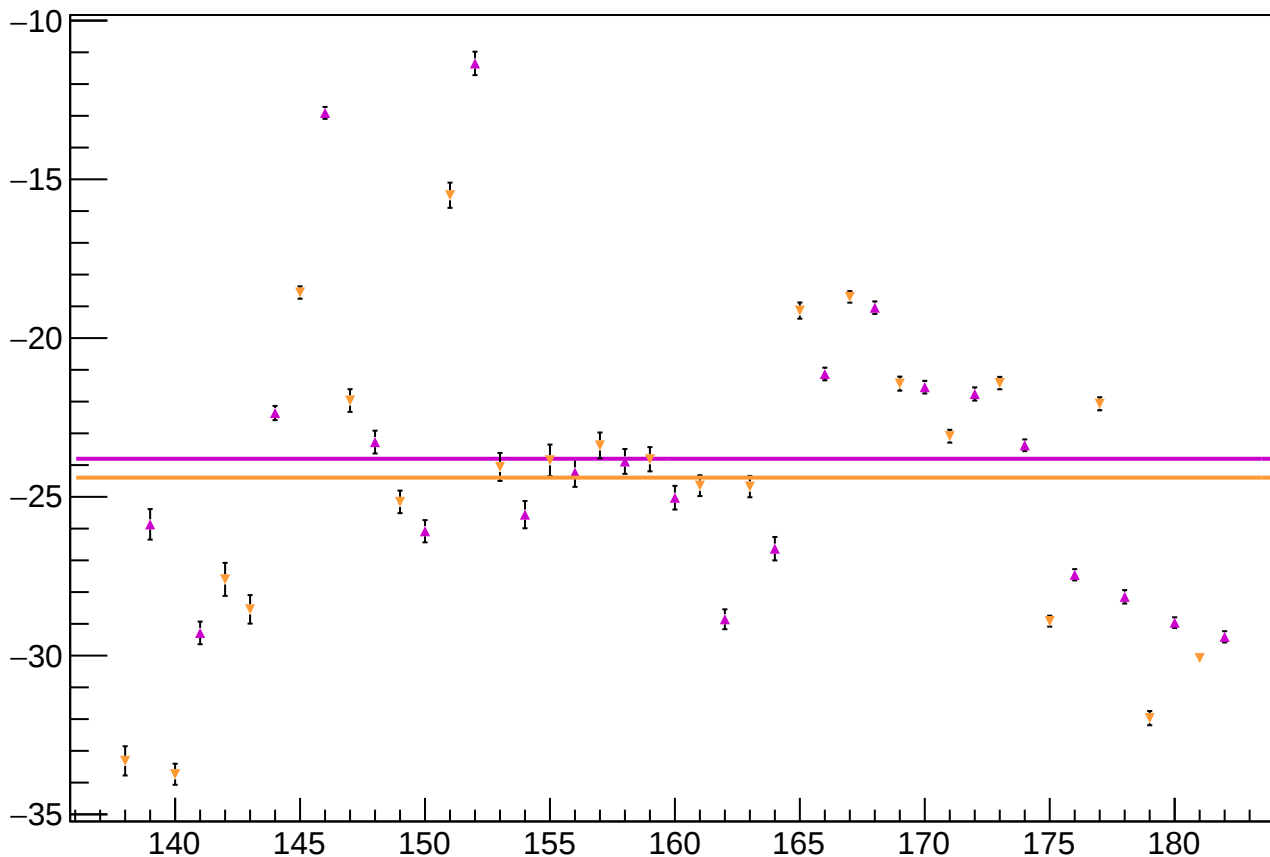
Right: -0.313 $\pm$ 0.013 χ^2 /NDF: 1837.5/35

In: 0.237 $\pm$ 0.004 χ^2 /NDF:2459.9/38

Out: 0.220 $\pm$ 0.004 χ^2 /NDF:2574.2/41

All: 0.229 $\pm$ 0.003 χ^2 /NDF: 5042.1/80

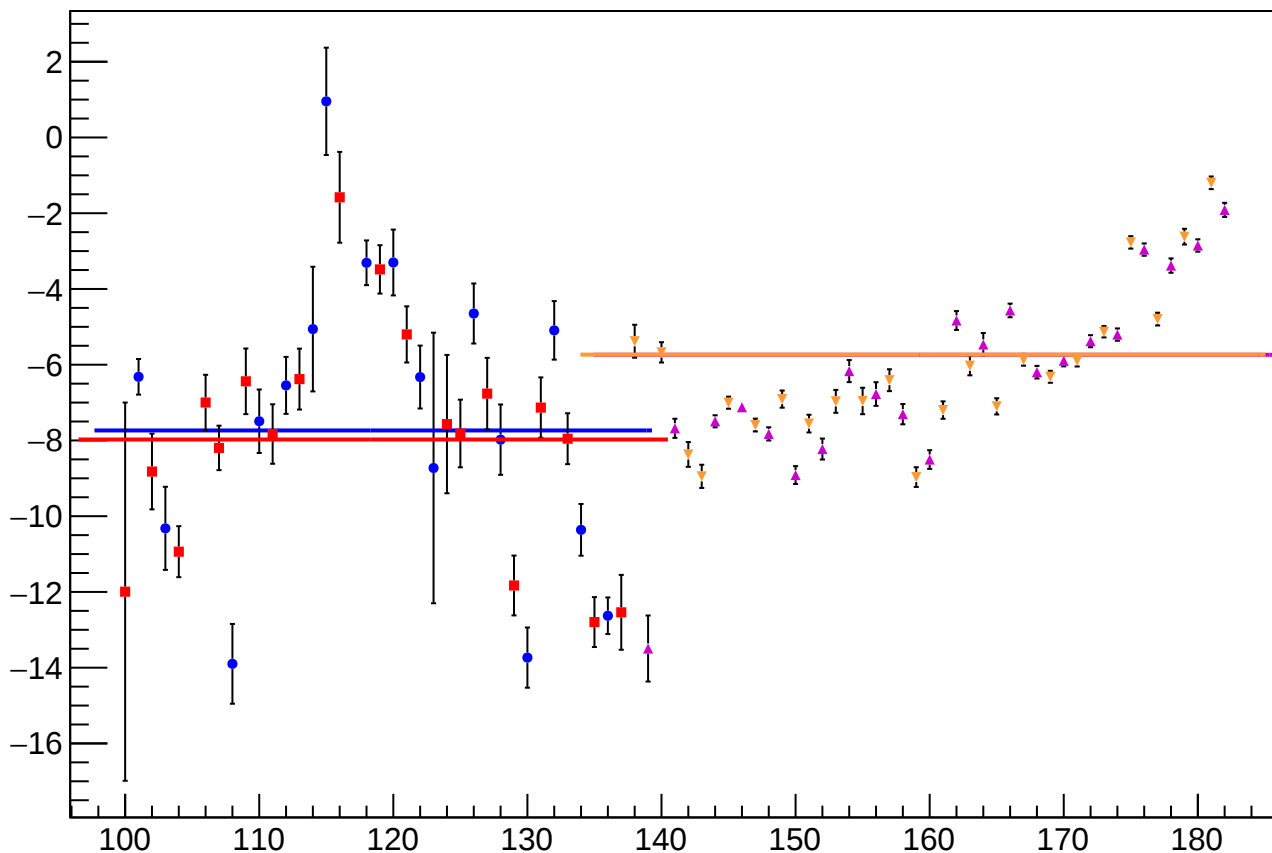
reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -24.395 $\pm$ 0.054 χ^2/NDF :7970.1/22
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -23.801 $\pm$ 0.052 χ^2/NDF :8981.5/21

Left: -24.087 $\pm$ 0.037 χ^2/NDF : 17015.2/44
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -23.801 $\pm$ 0.052 χ^2/NDF :8981.5/21
 Out: -24.395 $\pm$ 0.054 χ^2/NDF :7970.1/22
 All: -24.087 $\pm$ 0.037 χ^2/NDF : 17015.2/44

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.736 ± 0.187 χ^2/NDF : 378.1/16

Left Out: -5.733 ± 0.043 χ^2/NDF : 2068.6/22

Right Out: -7.975 ± 0.186 χ^2/NDF : 223.2/18

Left In: -5.738 ± 0.041 χ^2/NDF : 2237.0/21

Left: -5.736 ± 0.030 χ^2/NDF : 4305.6/44

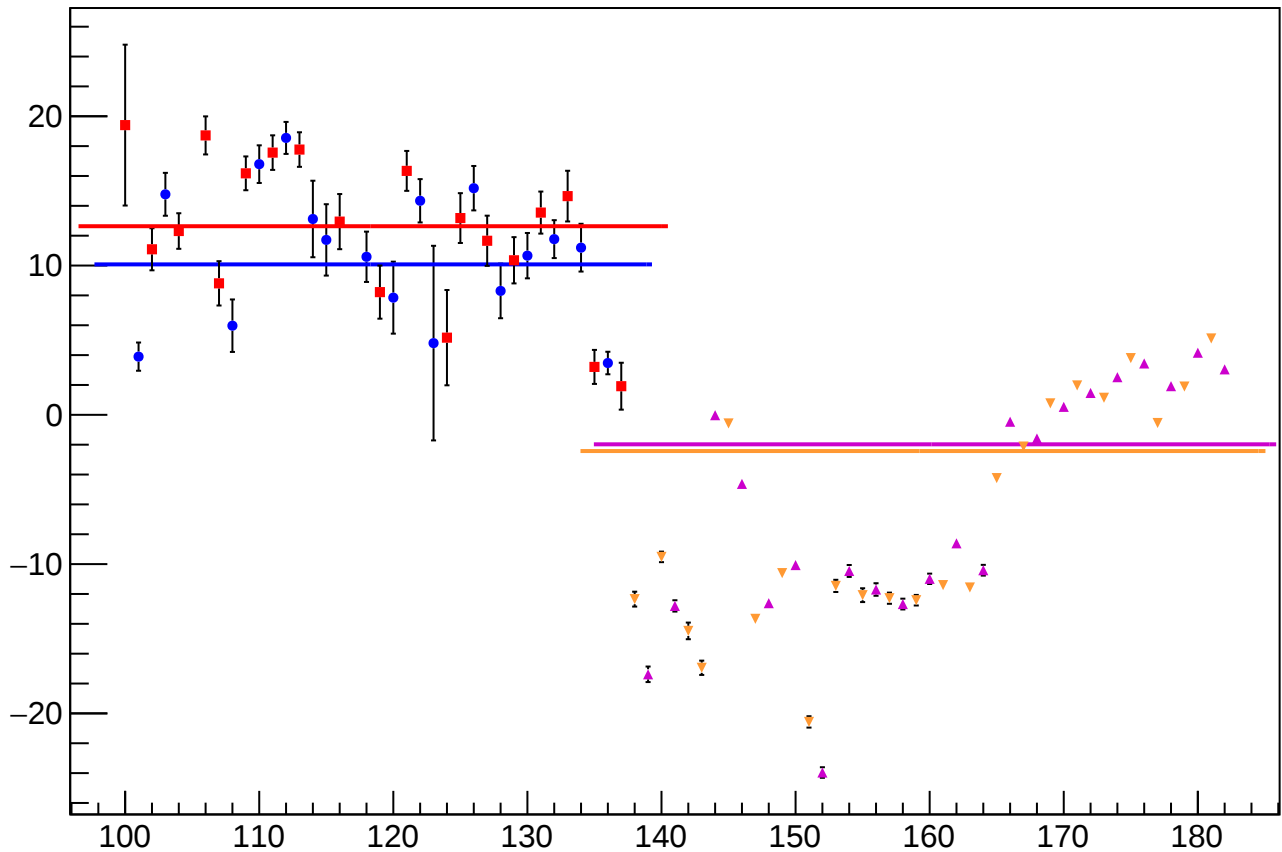
Right: -7.856 ± 0.132 χ^2/NDF : 602.0/35

In: -5.830 ± 0.040 χ^2/NDF : 2723.5/38

Out: -5.845 ± 0.041 χ^2/NDF : 2429.7/41

All: -5.837 ± 0.029 χ^2/NDF : 5153.2/80

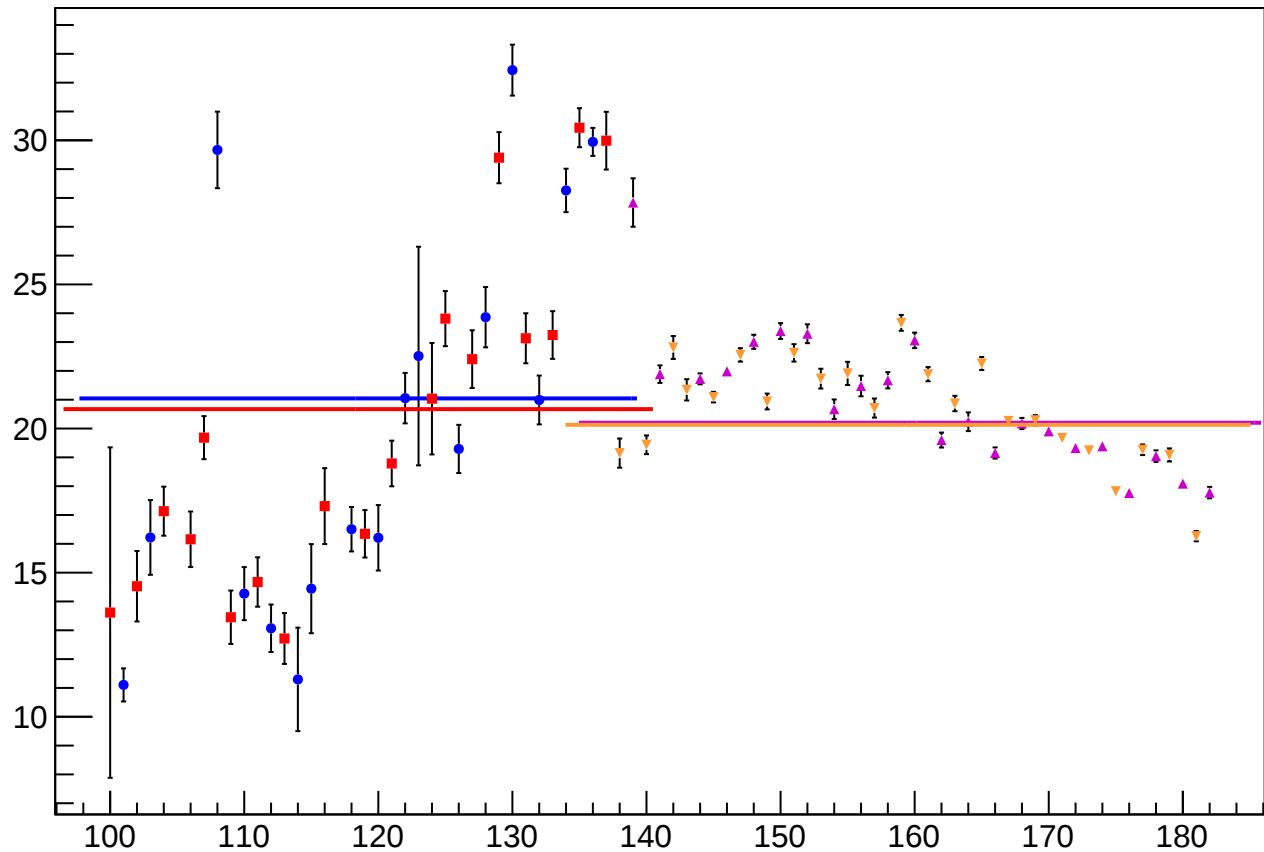
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.078 ± 0.339 $\chi^2/\text{NDF}: 253.6/16$
 Left Out: -2.426 ± 0.054 $\chi^2/\text{NDF}: 15391.4/22$
 Right Out: 12.634 ± 0.333 $\chi^2/\text{NDF}: 218.7/18$
 Left In: -1.975 ± 0.052 $\chi^2/\text{NDF}: 15381.9/21$

Left: -2.192 ± 0.037 $\chi^2/\text{NDF}: 30809.6/44$
 Right: 11.376 ± 0.237 $\chi^2/\text{NDF}: 501.2/35$
 In: -1.700 ± 0.051 $\chi^2/\text{NDF}: 16874.1/38$
 Out: -2.042 ± 0.053 $\chi^2/\text{NDF}: 17600.9/41$
 All: -1.864 ± 0.037 $\chi^2/\text{NDF}: 34496.5/80$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.045 $\pm$ 0.211 χ^2 /NDF: 1209.4/16

Left Out: 20.130 $\pm$ 0.048 χ^2 /NDF:1360.2/22

Right Out: 20.674 $\pm$ 0.213 χ^2 /NDF: 721.7/18

Left In: 20.201 $\pm$ 0.046 χ^2 /NDF:1445.7/21

Left: 20.167 $\pm$ 0.033 χ^2 /NDF: 2807.1/44

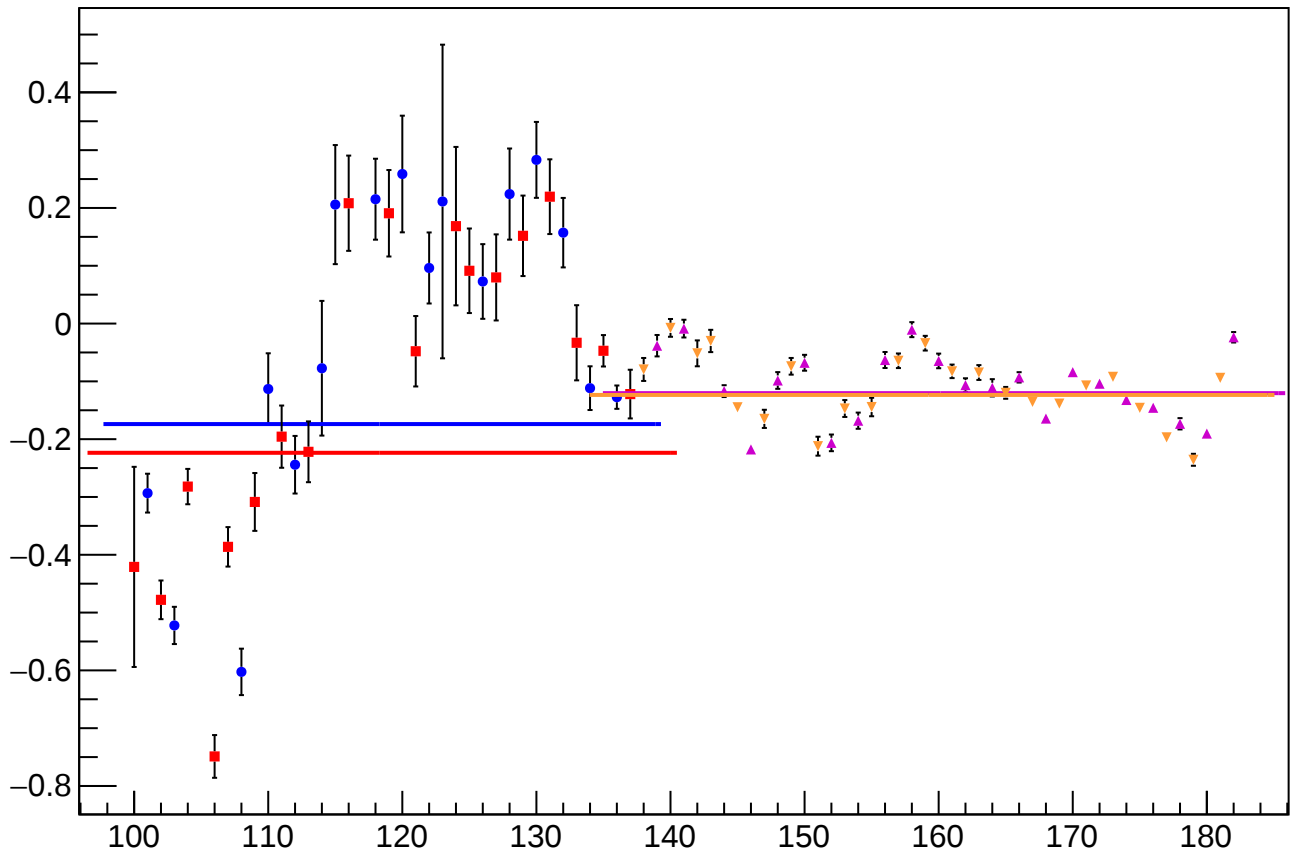
Right: 20.861 $\pm$ 0.150 χ^2 /NDF: 1932.6/35

In: 20.240 $\pm$ 0.045 χ^2 /NDF:2670.3/38

Out: 20.156 $\pm$ 0.047 χ^2 /NDF:2088.0/41

All: 20.199 $\pm$ 0.032 χ^2 /NDF: 4760.0/80

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.174 ± 0.011 $\chi^2/\text{NDF}: 458.2/16$

Left Out: -0.123 ± 0.002 $\chi^2/\text{NDF}: 504.6/22$

Right Out: -0.224 ± 0.011 $\chi^2/\text{NDF}: 533.0/18$

Left In: -0.120 ± 0.002 $\chi^2/\text{NDF}: 682.8/21$

Left: -0.122 ± 0.002 $\chi^2/\text{NDF}: 1188.4/44$

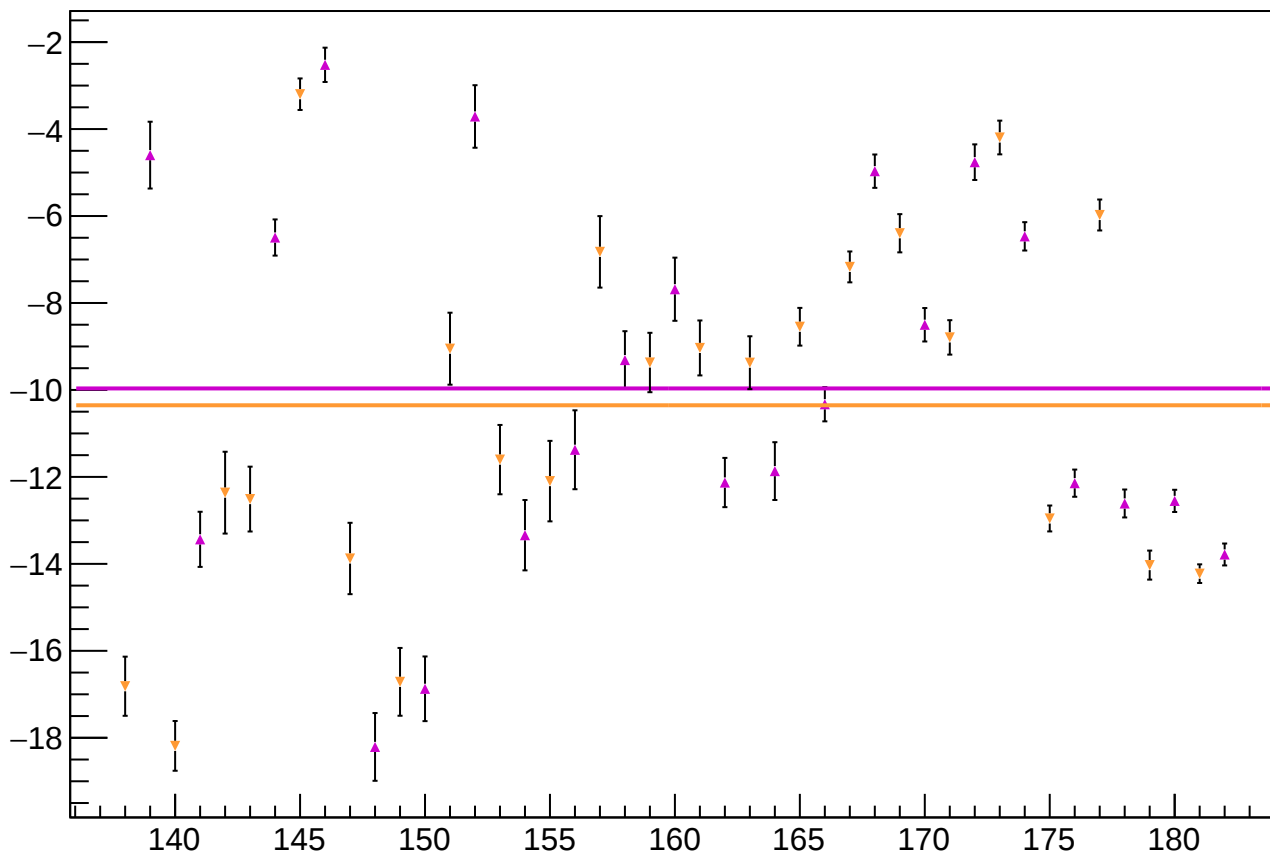
Right: -0.199 ± 0.008 $\chi^2/\text{NDF}: 1001.2/35$

In: -0.122 ± 0.002 $\chi^2/\text{NDF}: 1163.0/38$

Out: -0.127 ± 0.002 $\chi^2/\text{NDF}: 1117.6/41$

All: -0.125 ± 0.001 $\chi^2/\text{NDF}: 2283.4/80$

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



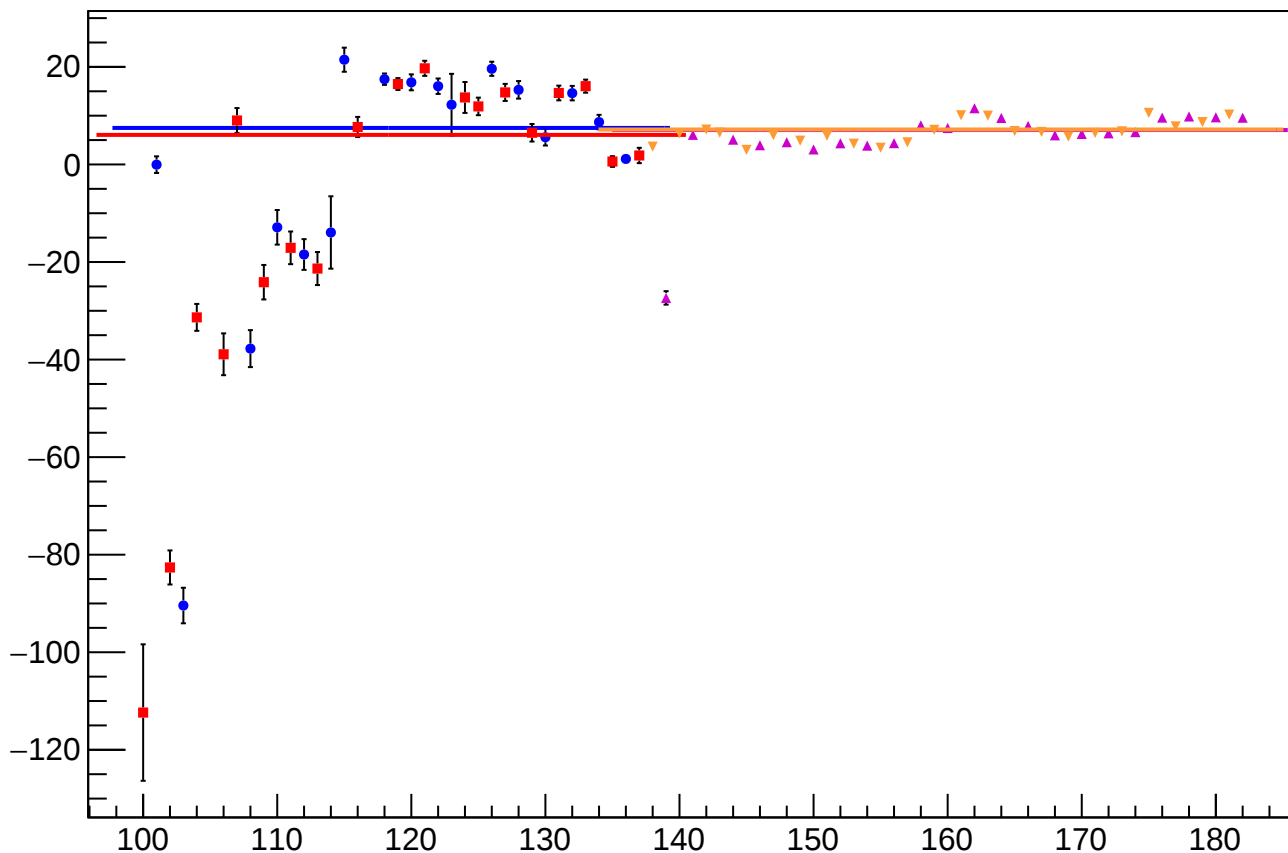
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -10.353+/-0.094 χ^2/NDF :1922.3/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -9.965+/-0.091 χ^2/NDF :1741.7/21

Left: -10.153+/-0.065 χ^2/NDF : 3672.7/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -9.965+/-0.091 χ^2/NDF :1741.7/21
 Out: -10.353+/-0.094 χ^2/NDF :1922.3/22

All: -10.153+/-0.065 χ^2/NDF : 3672.7/44

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.489 ± 0.407 χ^2/NDF : 1340.6/16

Left Out: 7.171 ± 0.077 χ^2/NDF : 817.0/22

Right Out: 6.061 ± 0.435 χ^2/NDF : 1511.9/18

Left In: 7.052 ± 0.075 χ^2/NDF : 1535.8/21

Left: 7.110 ± 0.054 χ^2/NDF : 2354.1/44

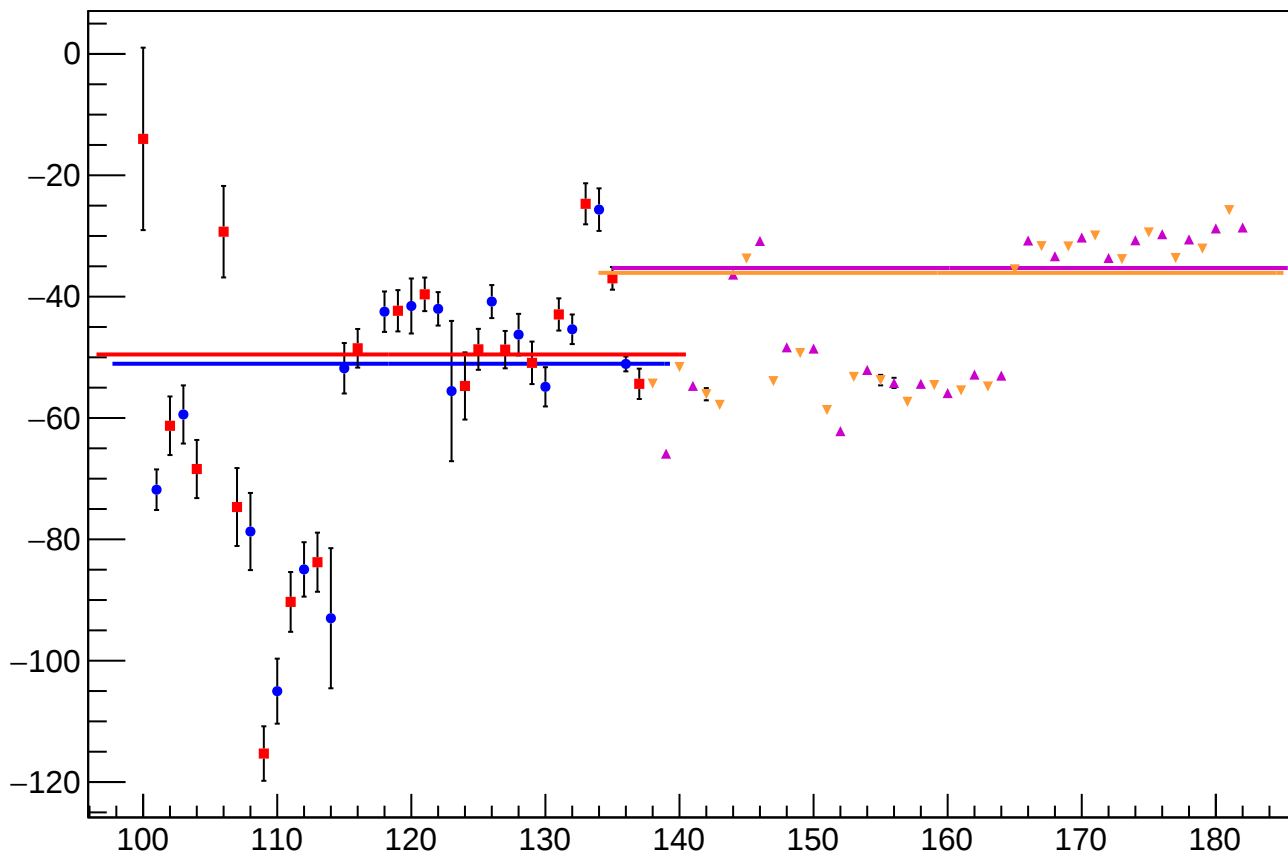
Right: 6.822 ± 0.297 χ^2/NDF : 2858.2/35

In: 7.067 ± 0.074 χ^2/NDF : 2877.5/38

Out: 7.137 ± 0.076 χ^2/NDF : 2335.2/41

All: 7.101 ± 0.053 χ^2/NDF : 5213.2/80

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -51.060 ± 0.742 χ^2/NDF : 329.6/16

Left Out: -36.077 ± 0.095 χ^2/NDF : 12137.2/22

Right Out: -49.531 ± 0.800 χ^2/NDF : 509.2/18

Left In: -35.279 ± 0.092 χ^2/NDF : 11593.8/21

Left: -35.664 ± 0.066 χ^2/NDF : 23767.6/44

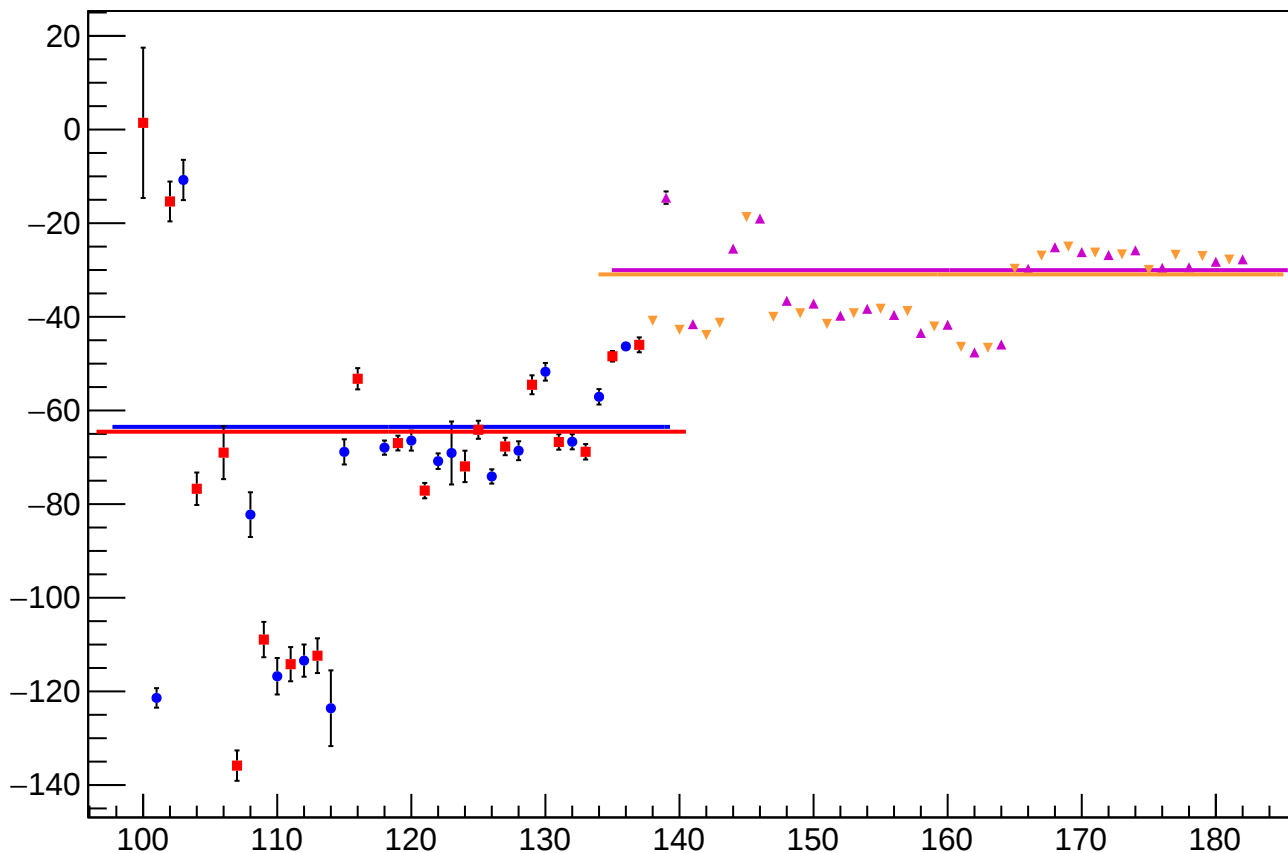
Right: -50.353 ± 0.544 χ^2/NDF : 840.8/35

In: -35.516 ± 0.091 χ^2/NDF : 12369.2/38

Out: -36.263 ± 0.094 χ^2/NDF : 12925.3/41

All: -35.876 ± 0.065 χ^2/NDF : 25327.1/80

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.501 ± 0.449 χ^2/NDF : 2006.3/16

Left Out: -30.939 ± 0.086 χ^2/NDF : 7661.5/22

Right Out: -64.533 ± 0.484 χ^2/NDF : 1604.2/18

Left In: -30.032 ± 0.084 χ^2/NDF : 7009.6/21

Left: -30.473 ± 0.060 χ^2/NDF : 14728.1/44

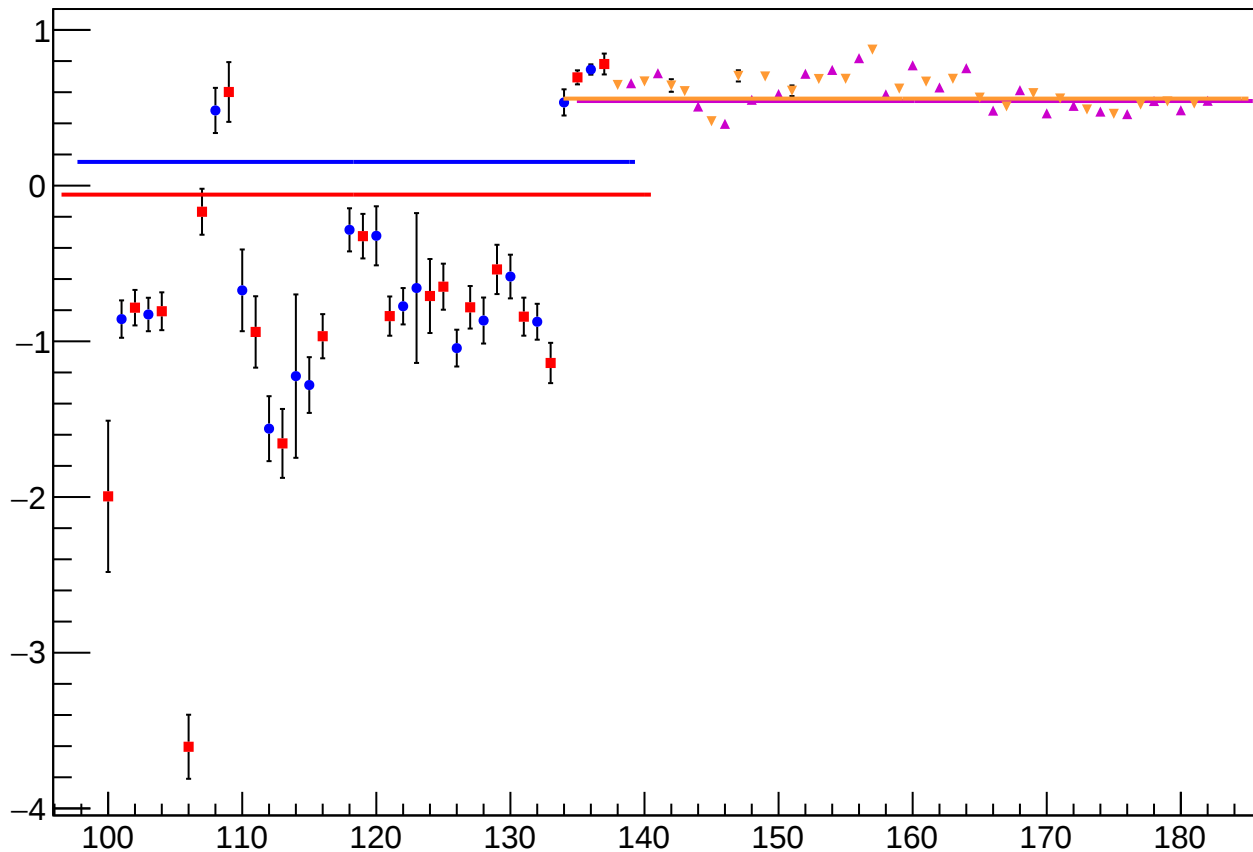
Right: -63.979 ± 0.329 χ^2/NDF : 3613.0/35

In: -31.155 ± 0.082 χ^2/NDF : 14380.5/38

Out: -31.968 ± 0.085 χ^2/NDF : 13939.1/41

All: -31.550 ± 0.059 χ^2/NDF : 28367.0/80

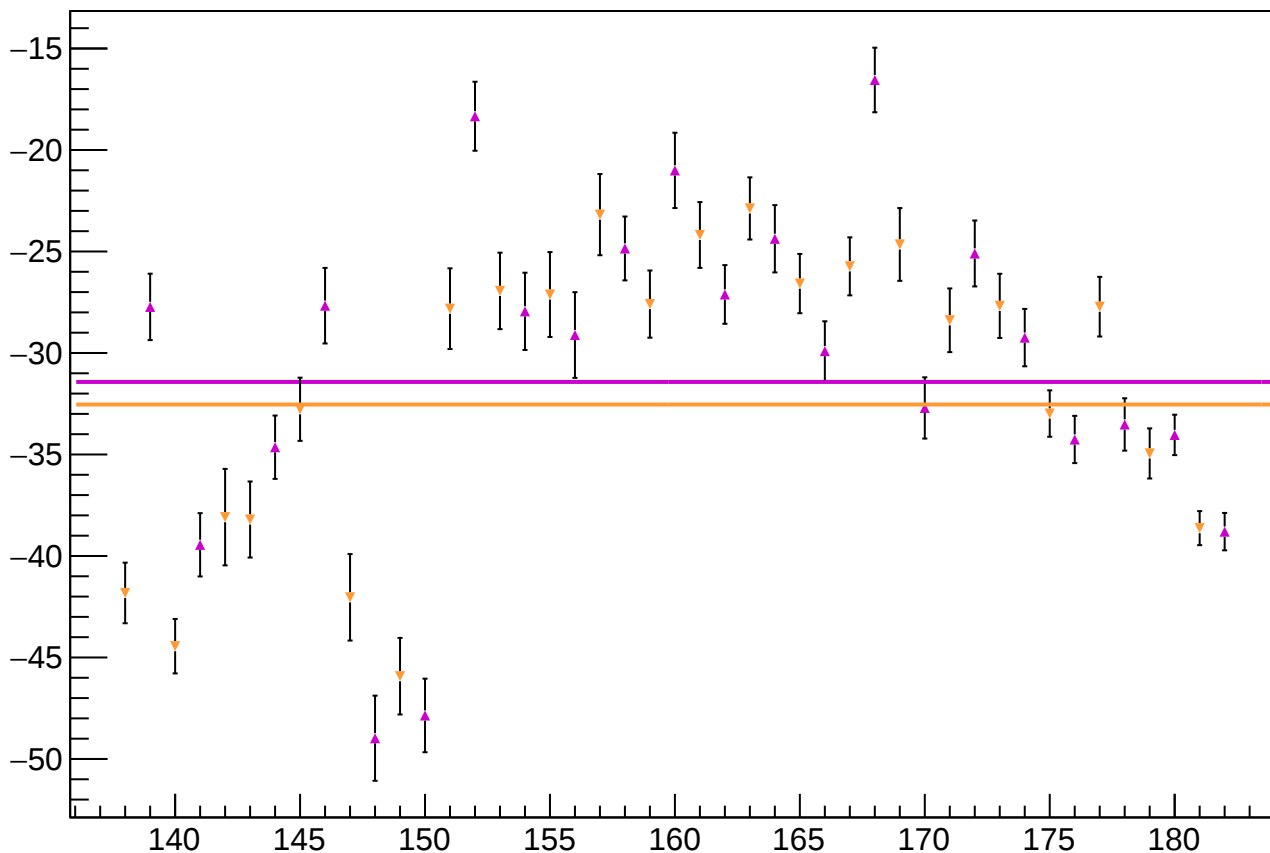
reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$
 Left Out: 0.559 ± 0.004 $\chi^2/\text{NDF}: 519.3/22$
 Right Out: -0.058 ± 0.026 $\chi^2/\text{NDF}: 1160.4/18$
 Left In: 0.543 ± 0.004 $\chi^2/\text{NDF}: 655.6/21$

Left: 0.551 ± 0.003 $\chi^2/\text{NDF}: 1182.9/44$
 Right: 0.057 ± 0.018 $\chi^2/\text{NDF}: 2182.5/35$
 In: 0.534 ± 0.004 $\chi^2/\text{NDF}: 1900.8/38$
 Out: 0.545 ± 0.004 $\chi^2/\text{NDF}: 2216.6/41$
 All: 0.539 ± 0.003 $\chi^2/\text{NDF}: 4122.0/80$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.539+/-0.317 χ^2/NDF :463.1/22

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

Left In: -31.426+/-0.315 χ^2/NDF :518.4/21

Left: -31.978+/-0.223 χ^2/NDF : 987.7/44

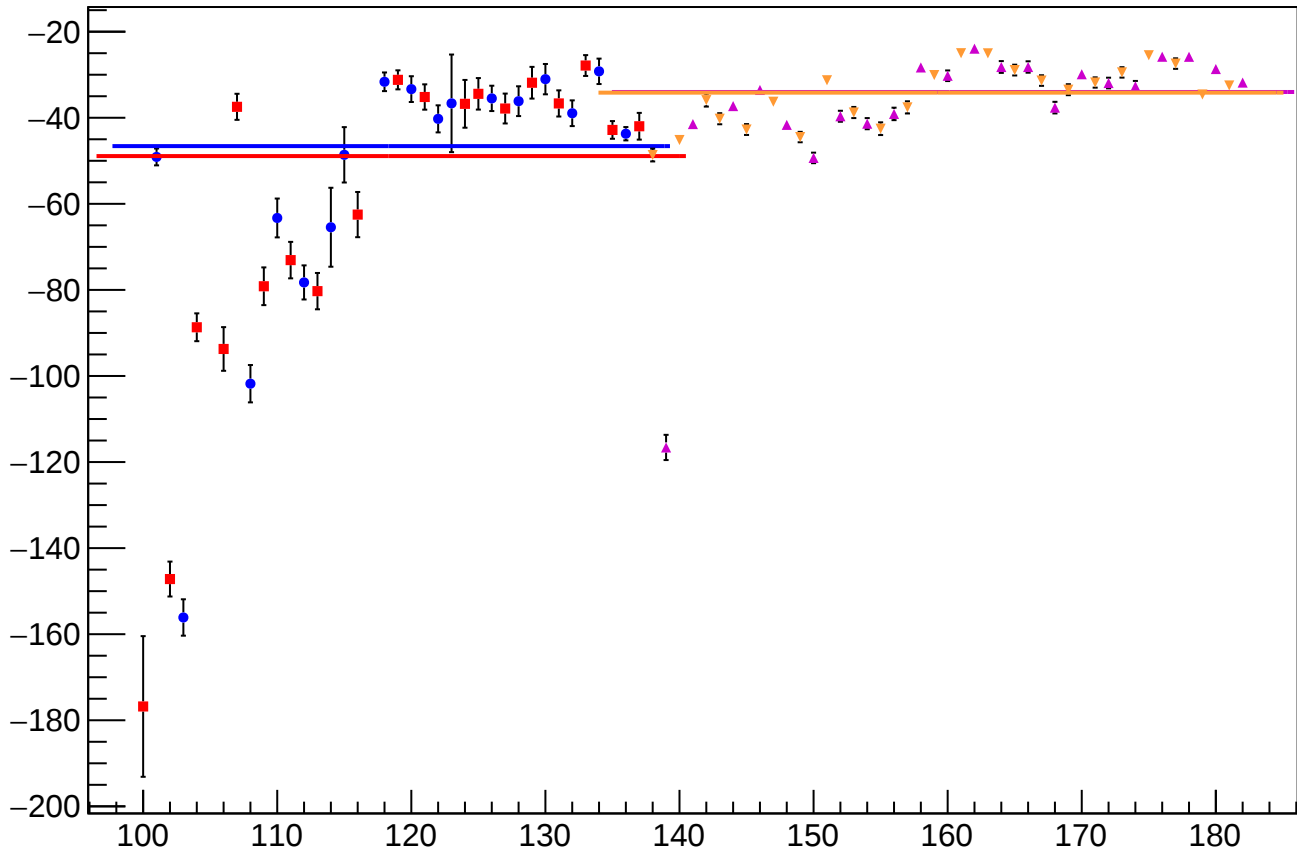
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -31.426+/-0.315 χ^2/NDF :518.4/21

Out: -32.539+/-0.317 χ^2/NDF :463.1/22

All: -31.978+/-0.223 χ^2/NDF : 987.7/44

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.587 ± 0.730 χ^2/NDF : 1076.0/16

Left Out: -34.165 ± 0.251 χ^2/NDF : 676.8/22

Right Out: -48.904 ± 0.764 χ^2/NDF : 1277.6/18

Left In: -34.011 ± 0.254 χ^2/NDF : 1441.0/21

Left: -34.089 ± 0.178 χ^2/NDF : 2118.0/44

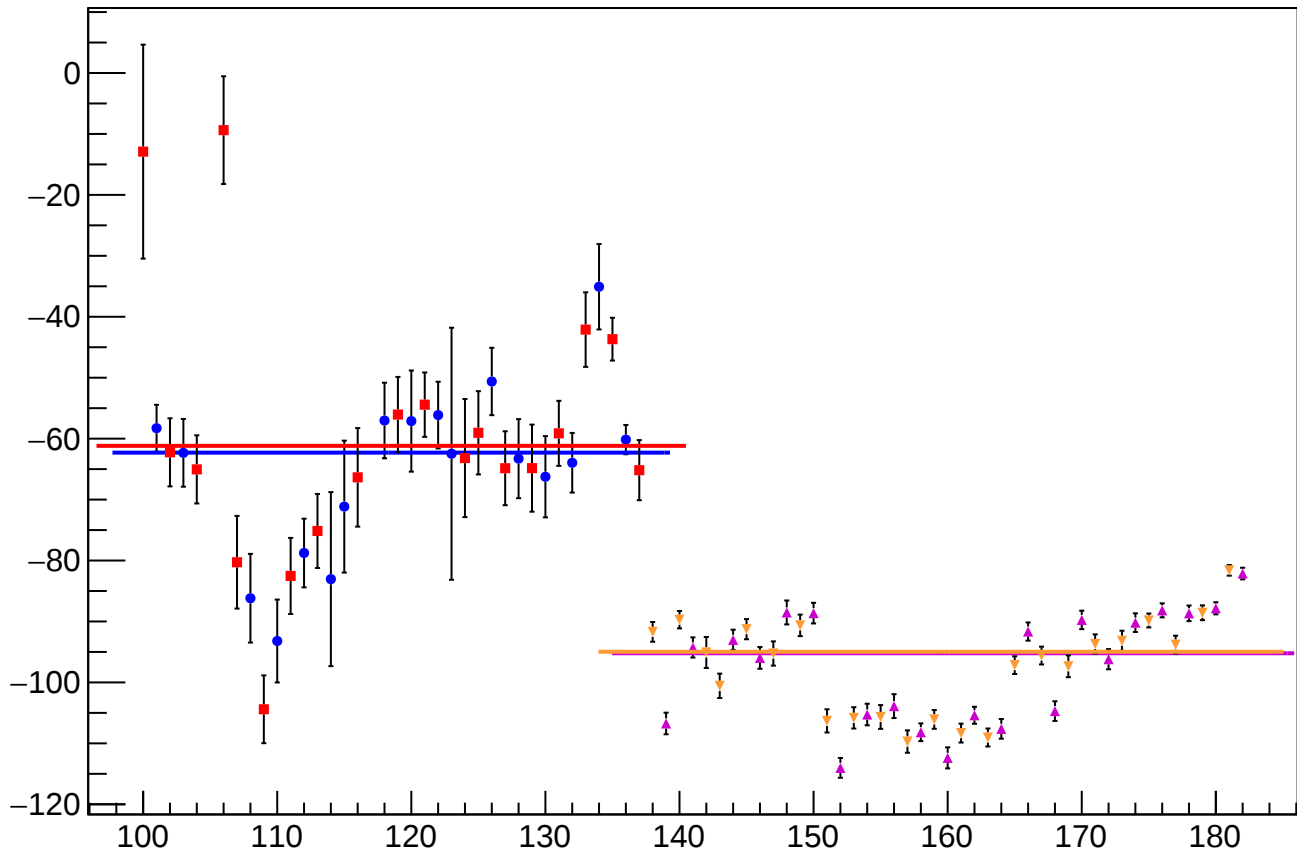
Right: -47.693 ± 0.528 χ^2/NDF : 2358.5/35

In: -35.366 ± 0.240 χ^2/NDF : 2781.5/38

Out: -35.596 ± 0.238 χ^2/NDF : 2290.0/41

All: -35.482 ± 0.169 χ^2/NDF : 5072.0/80

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.294 ± 1.317 $\chi^2/\text{NDF}: 67.1/16$

Left Out: -94.969 ± 0.317 $\chi^2/\text{NDF}: 711.3/22$

Right Out: -61.180 ± 1.383 $\chi^2/\text{NDF}: 165.0/18$

Left In: -95.217 ± 0.314 $\chi^2/\text{NDF}: 918.9/21$

Left: -95.095 ± 0.223 $\chi^2/\text{NDF}: 1630.6/44$

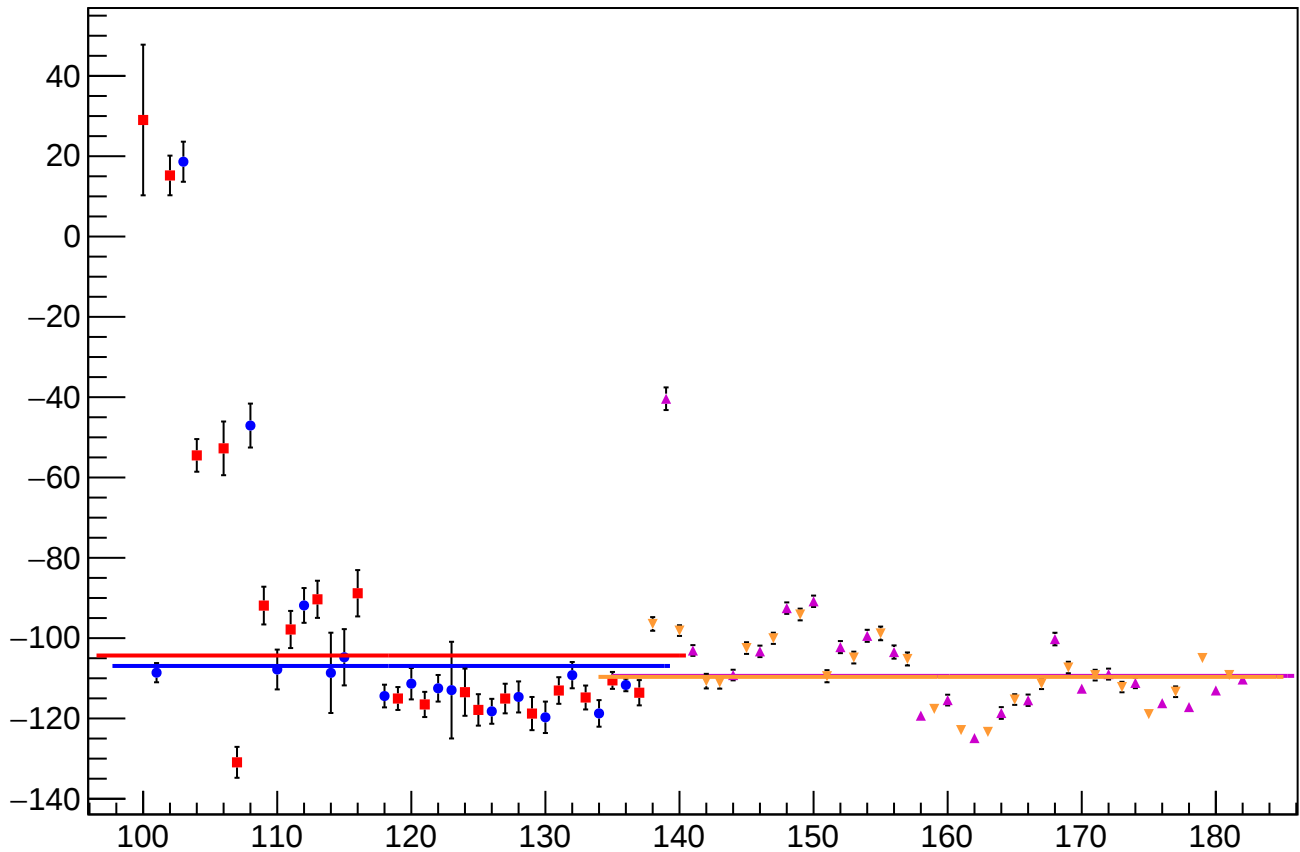
Right: -61.765 ± 0.954 $\chi^2/\text{NDF}: 232.4/35$

In: -93.451 ± 0.305 $\chi^2/\text{NDF}: 1577.2/38$

Out: -93.279 ± 0.309 $\chi^2/\text{NDF}: 1443.4/41$

All: -93.366 ± 0.217 $\chi^2/\text{NDF}: 3020.8/80$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.926 ± 0.818 $\chi^2/\text{NDF}: 826.7/16$

Left Out: -109.644 ± 0.283 $\chi^2/\text{NDF}: 782.3/22$

Right Out: -104.324 ± 0.863 $\chi^2/\text{NDF}: 1020.5/18$

Left In: -109.397 ± 0.284 $\chi^2/\text{NDF}: 1479.3/21$

Left: -109.521 ± 0.200 $\chi^2/\text{NDF}: 2261.9/44$

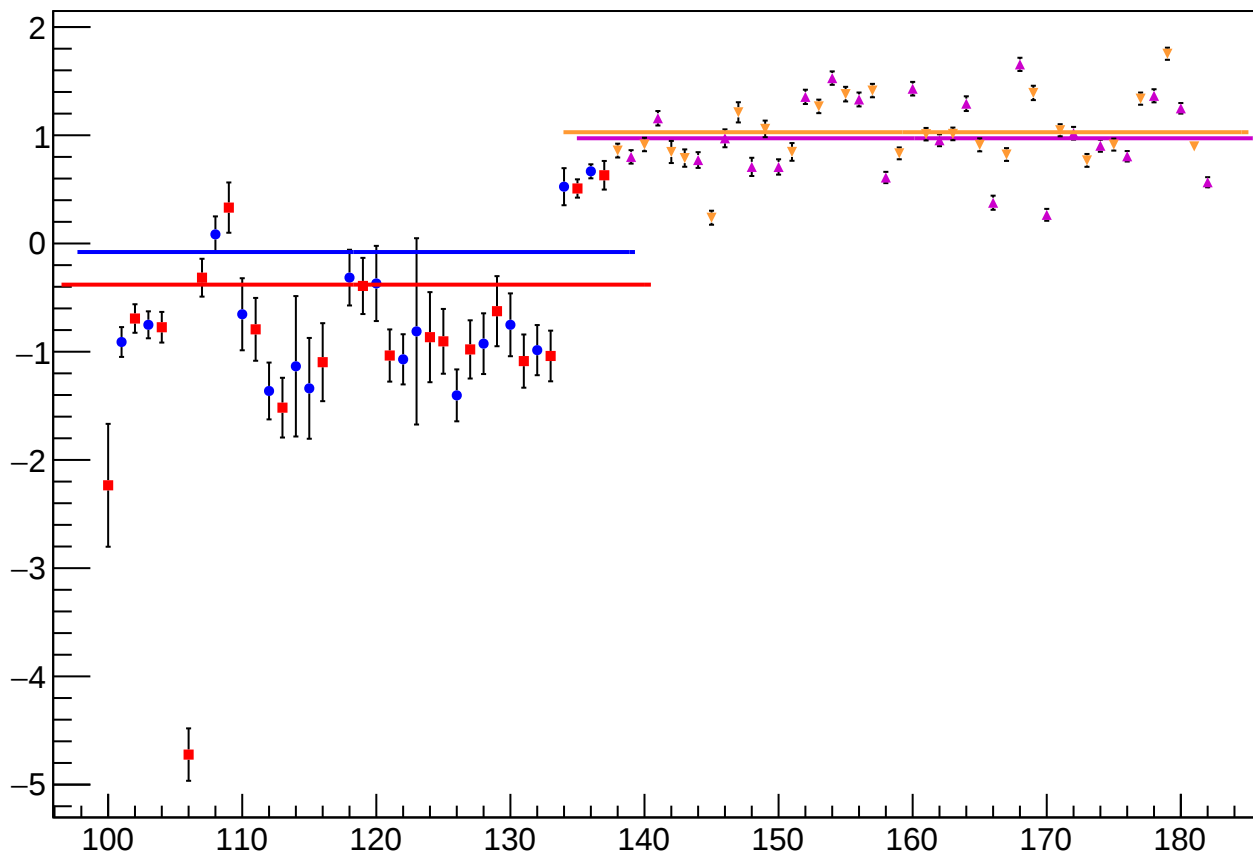
Right: -105.694 ± 0.594 $\chi^2/\text{NDF}: 1852.0/35$

In: -109.132 ± 0.268 $\chi^2/\text{NDF}: 2314.1/38$

Out: -109.129 ± 0.269 $\chi^2/\text{NDF}: 1837.1/41$

All: -109.130 ± 0.190 $\chi^2/\text{NDF}: 4151.2/80$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.079 ± 0.042 χ^2/NDF : 328.6/16

Left Out: 1.028 ± 0.013 χ^2/NDF : 547.4/22

Right Out: -0.380 ± 0.044 χ^2/NDF : 580.2/18

Left In: 0.972 ± 0.013 χ^2/NDF : 850.7/21

Left: 1.000 ± 0.009 χ^2/NDF : 1407.5/44

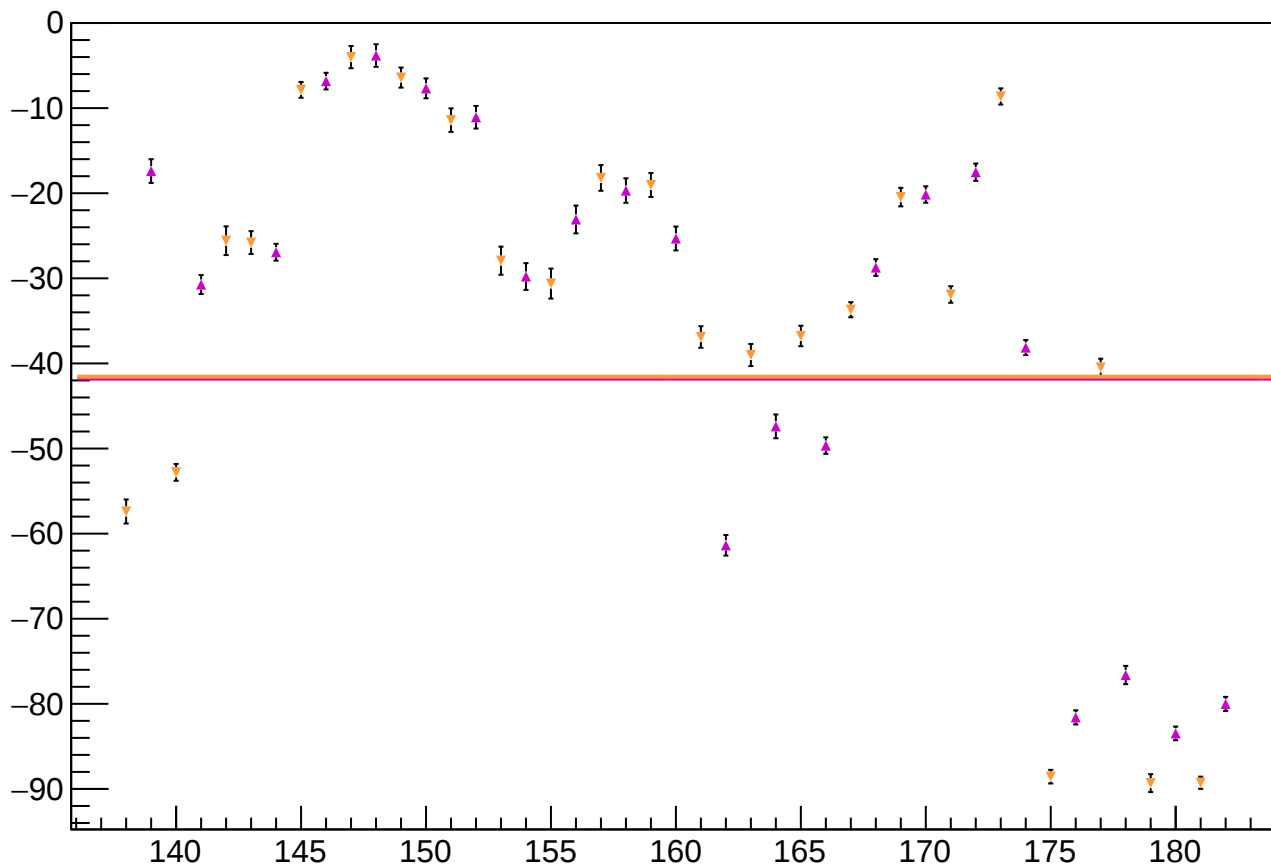
Right: -0.223 ± 0.031 χ^2/NDF : 933.1/35

In: 0.883 ± 0.012 χ^2/NDF : 1744.7/38

Out: 0.915 ± 0.012 χ^2/NDF : 2068.1/41

All: 0.899 ± 0.009 χ^2/NDF : 3816.1/80

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: -41.561+/-0.232 χ^2/NDF :16352.8/22

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

Left In: -41.783+/-0.230 χ^2/NDF :14444.1/21

Left: -41.673+/-0.163 χ^2/NDF : 30797.3/44

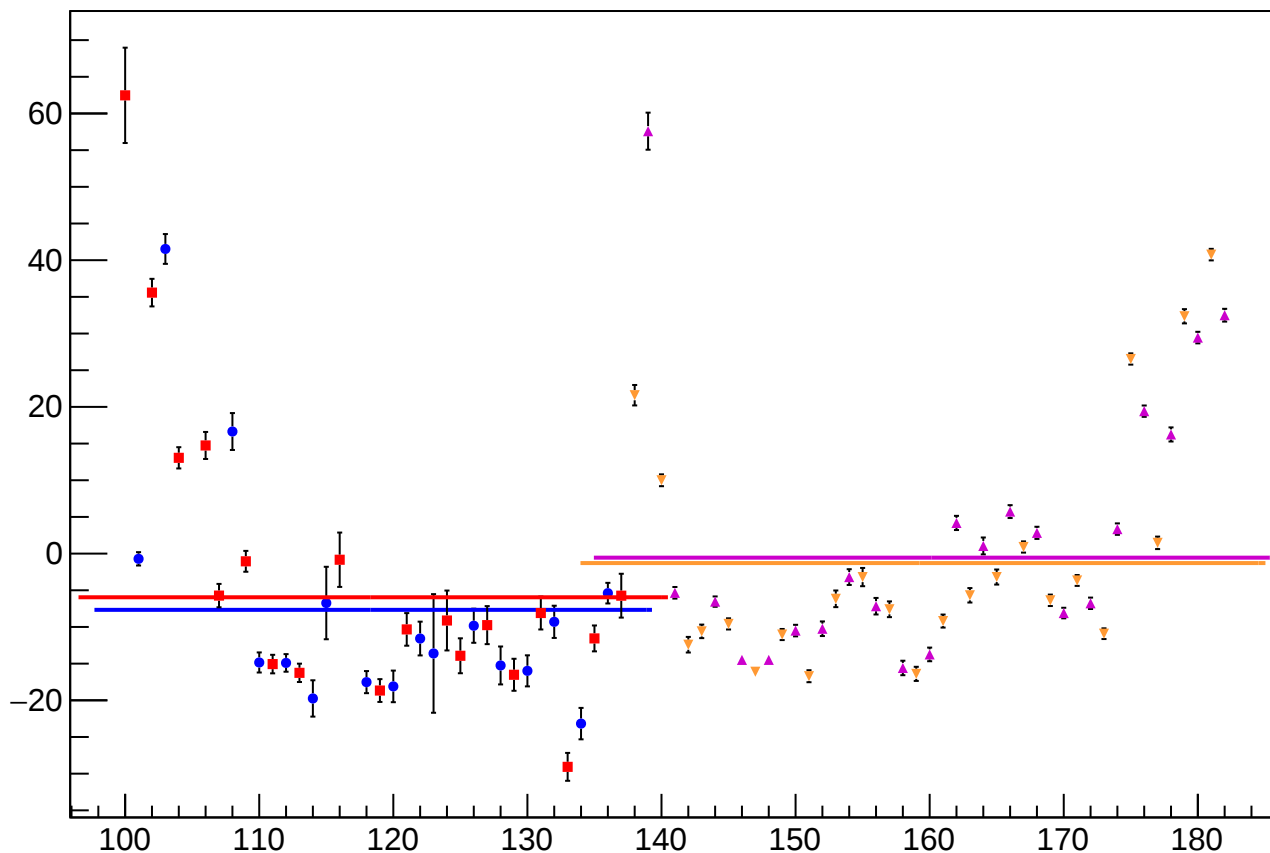
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -41.783+/-0.230 χ^2/NDF :14444.1/21

Out: -41.561+/-0.232 χ^2/NDF :16352.8/22

All: -41.673+/-0.163 χ^2/NDF : 30797.3/44

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.668 ± 0.431 χ^2/NDF : 975.9/16

Left Out: -1.290 ± 0.179 χ^2/NDF : 7886.8/22

Right Out: -5.954 ± 0.429 χ^2/NDF : 1298.5/18

Left In: -0.554 ± 0.180 χ^2/NDF : 6493.7/21

Left: -0.924 ± 0.127 χ^2/NDF : 14388.9/44

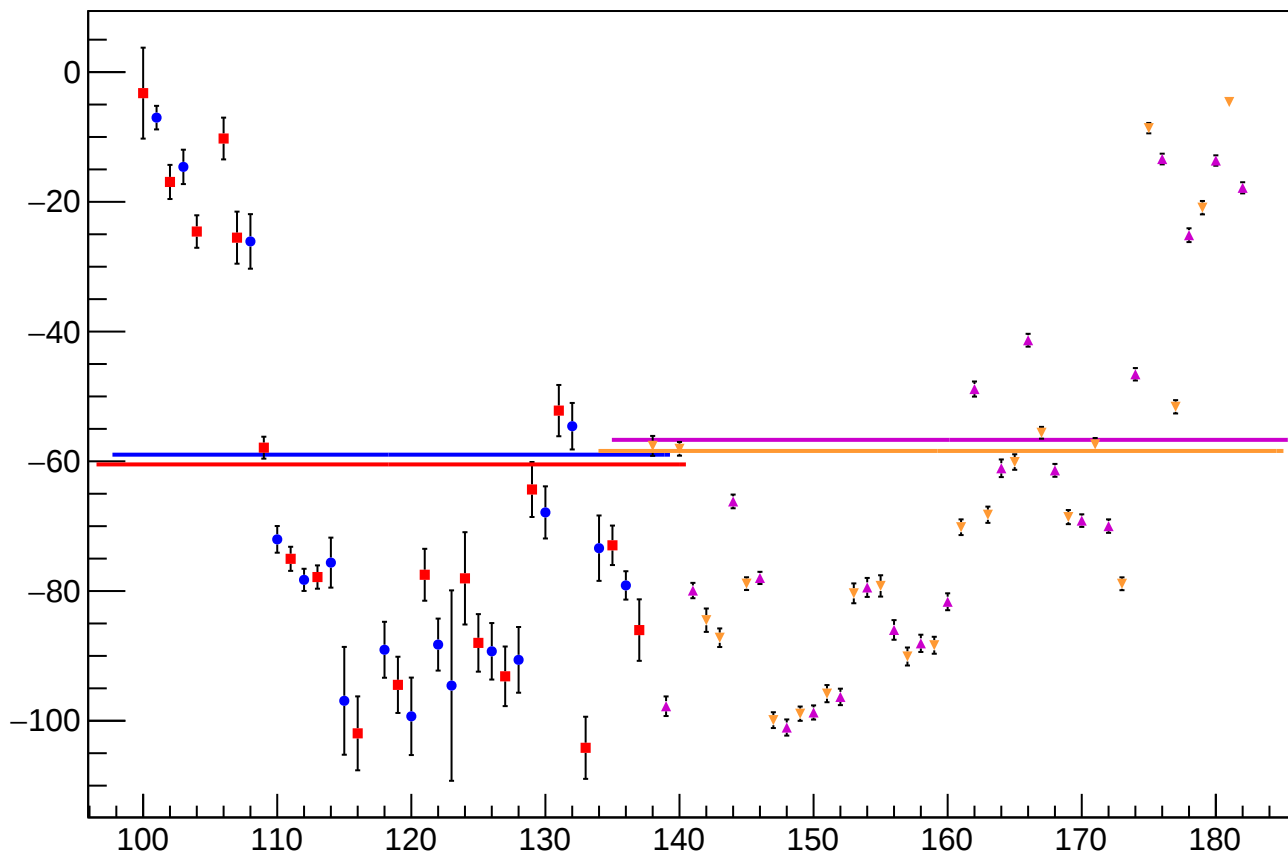
Right: -6.808 ± 0.304 χ^2/NDF : 2282.3/35

In: -1.616 ± 0.166 χ^2/NDF : 7701.7/38

Out: -1.984 ± 0.166 χ^2/NDF : 9285.7/41

All: -1.801 ± 0.117 χ^2/NDF : 16989.9/80

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.976 ± 0.747 χ^2/NDF : 1707.7/16

Left Out: -58.402 ± 0.232 χ^2/NDF : 16917.0/22

Right Out: -60.479 ± 0.705 χ^2/NDF : 1384.2/18

Left In: -56.692 ± 0.229 χ^2/NDF : 16324.6/21

Left: -57.536 ± 0.163 χ^2/NDF : 33268.9/44

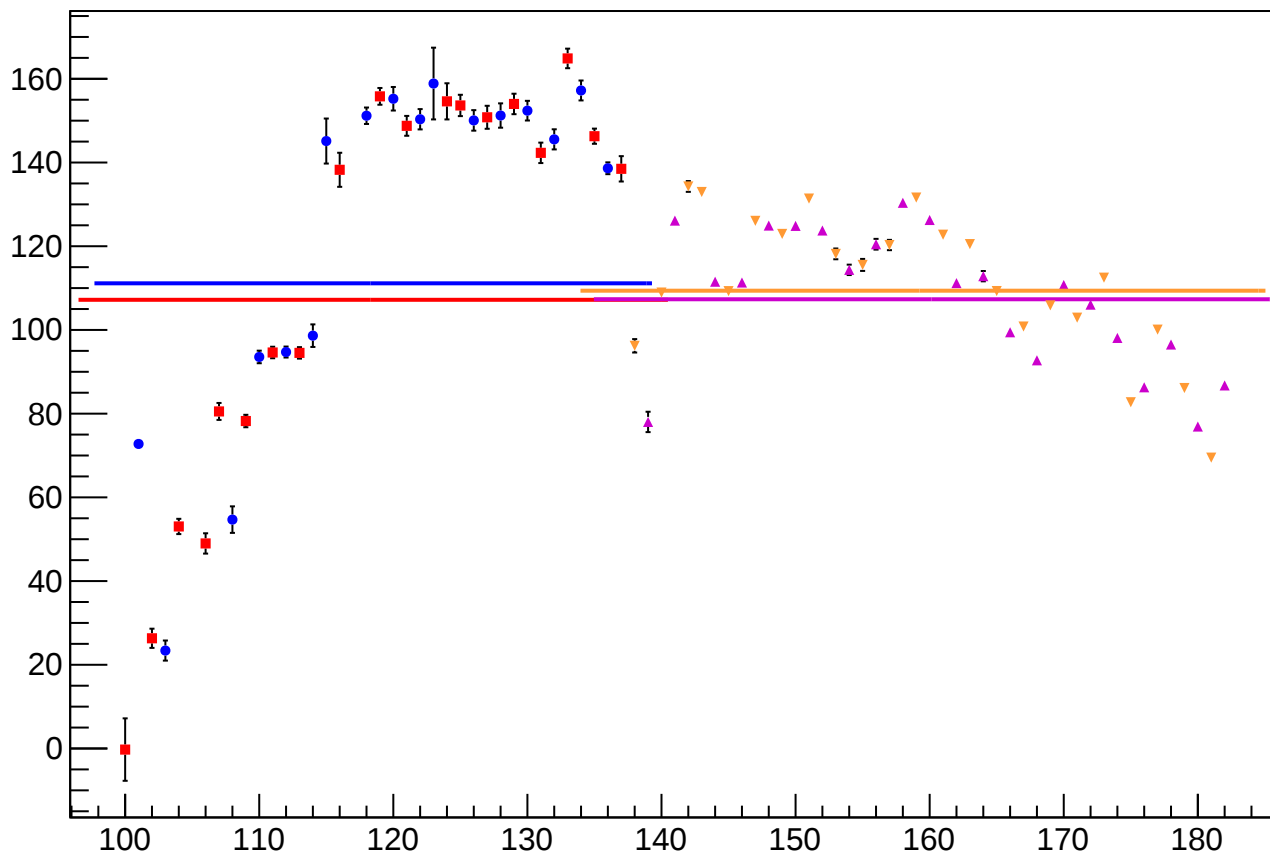
Right: -59.771 ± 0.513 χ^2/NDF : 3094.0/35

In: -56.889 ± 0.219 χ^2/NDF : 18040.8/38

Out: -58.606 ± 0.221 χ^2/NDF : 18309.0/41

All: -57.742 ± 0.156 χ^2/NDF : 36380.2/80

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.139 ± 0.490 $\chi^2/\text{NDF}: 5863.6/16$

Left Out: 109.377 ± 0.204 $\chi^2/\text{NDF}: 6975.6/22$

Right Out: 107.202 ± 0.488 $\chi^2/\text{NDF}: 7042.9/18$

Left In: 107.328 ± 0.204 $\chi^2/\text{NDF}: 5548.9/21$

Left: 108.353 ± 0.144 $\chi^2/\text{NDF}: 12575.0/44$

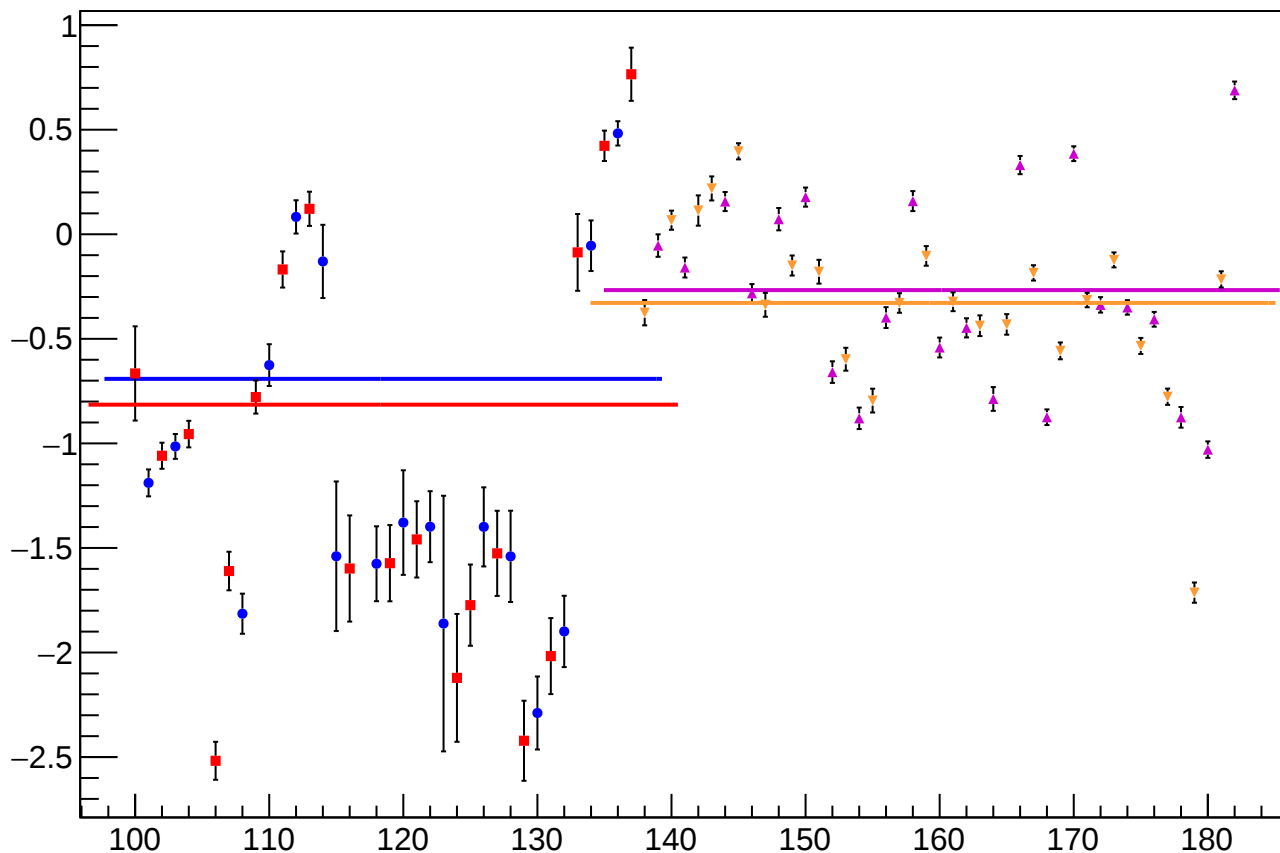
Right: 109.164 ± 0.346 $\chi^2/\text{NDF}: 12938.9/35$

In: 107.891 ± 0.188 $\chi^2/\text{NDF}: 11464.1/38$

Out: 109.054 ± 0.188 $\chi^2/\text{NDF}: 14035.4/41$

All: 108.473 ± 0.133 $\chi^2/\text{NDF}: 25518.6/80$

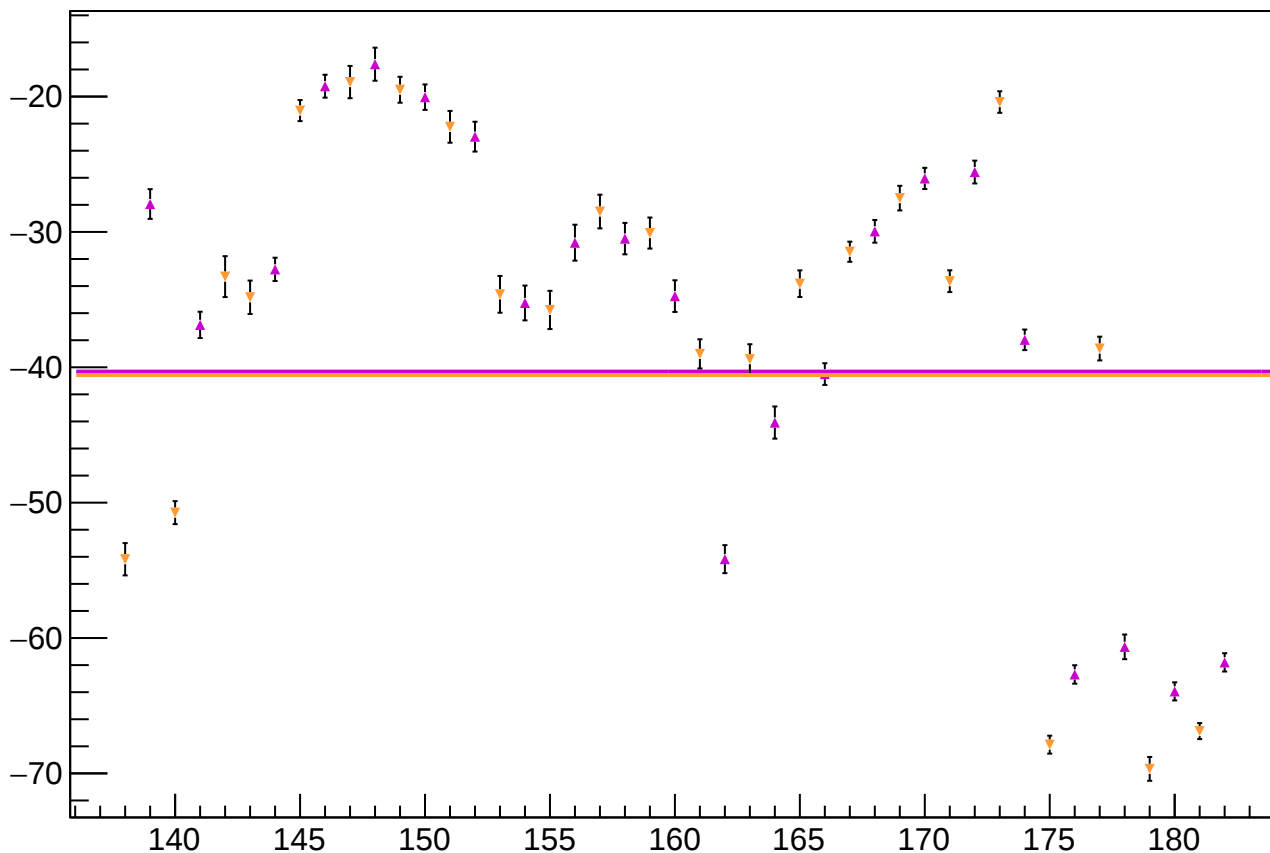
reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.691 ± 0.026 χ^2/NDF : 988.9/16
 Left Out: -0.328 ± 0.009 χ^2/NDF : 1771.5/22
 Right Out: -0.815 ± 0.024 χ^2/NDF : 1302.6/18
 Left In: -0.267 ± 0.009 χ^2/NDF : 2519.2/21

Left: -0.297 ± 0.007 χ^2/NDF : 4312.0/44
 Right: -0.757 ± 0.018 χ^2/NDF : 2303.5/35
 In: -0.316 ± 0.009 χ^2/NDF : 3746.5/38
 Out: -0.392 ± 0.009 χ^2/NDF : 3420.4/41
 All: -0.354 ± 0.006 χ^2/NDF : 7204.0/80

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: -40.571+/-0.195 χ^2/NDF :8121.8/22

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

Left In: -40.319+/-0.192 χ^2/NDF :6883.8/21

Left: -40.444+/-0.137 χ^2/NDF : 15006.4/44

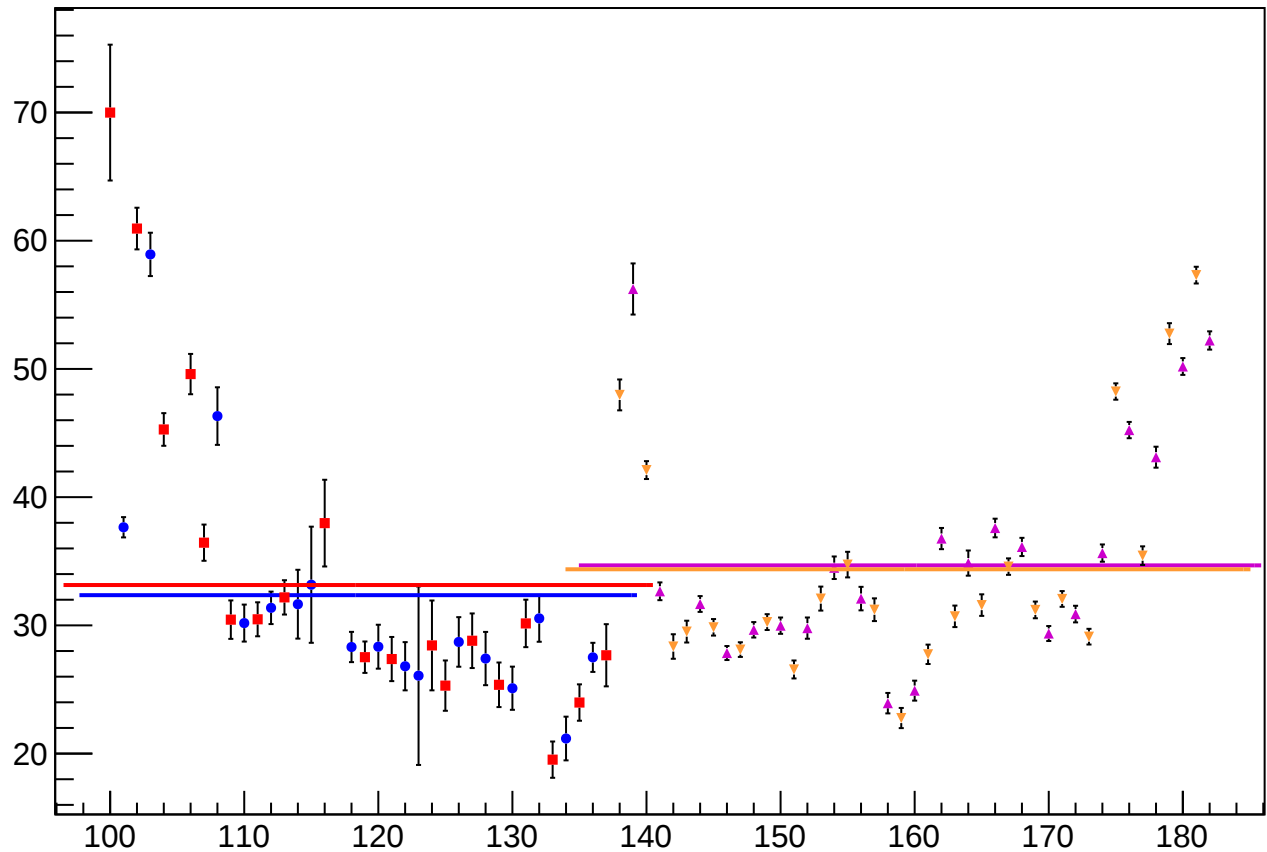
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -40.319+/-0.192 χ^2/NDF :6883.8/21

Out: -40.571+/-0.195 χ^2/NDF :8121.8/22

All: -40.444+/-0.137 χ^2/NDF : 15006.4/44

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.356 $\pm$ 0.376 χ^2 /NDF: 450.5/16

Left Out: 34.374 $\pm$ 0.152 χ^2 /NDF:3337.3/22

Right Out: 33.147 $\pm$ 0.379 χ^2 /NDF: 773.3/18

Left In: 34.679 $\pm$ 0.153 χ^2 /NDF:2506.2/21

Left: 34.526 $\pm$ 0.108 χ^2 /NDF: 5845.5/44

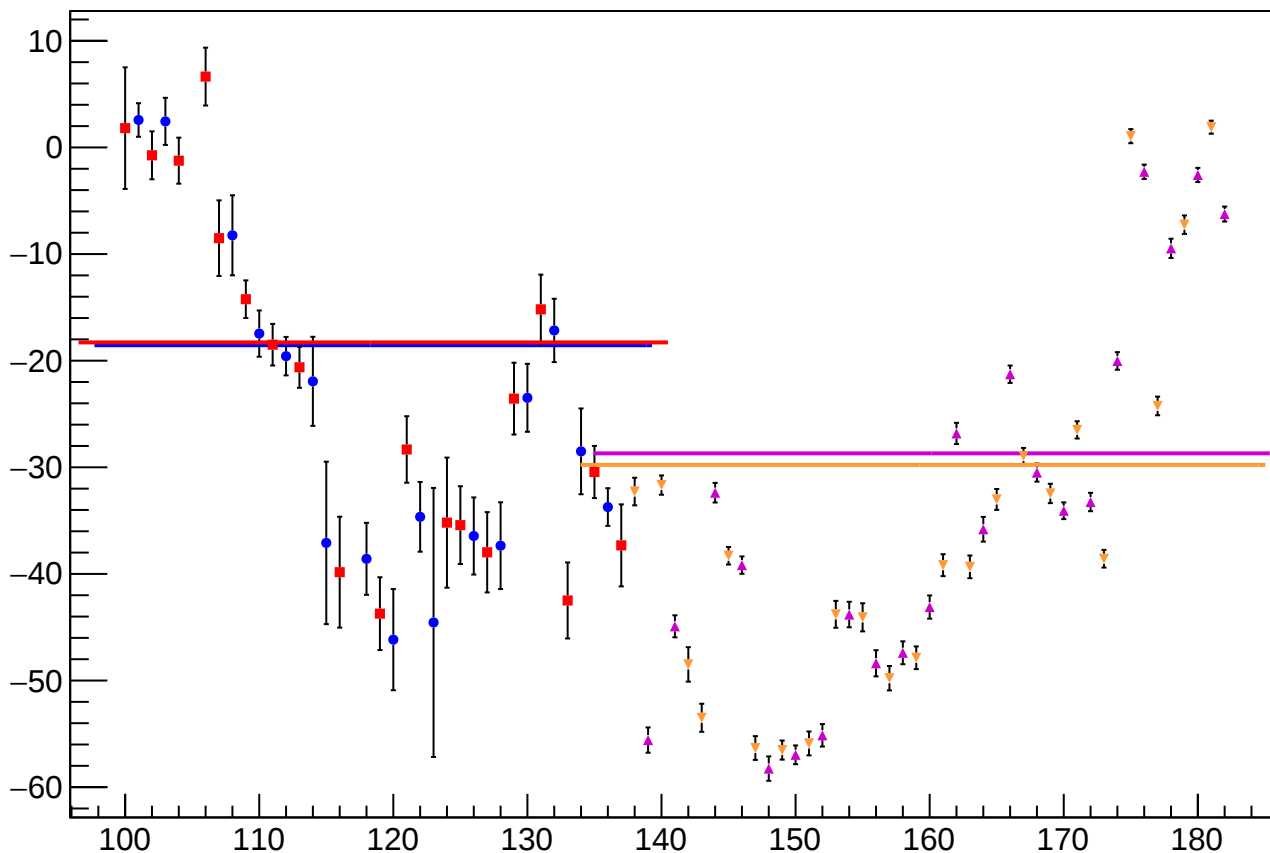
Right: 32.748 $\pm$ 0.267 χ^2 /NDF: 1226.0/35

In: 34.350 $\pm$ 0.142 χ^2 /NDF:2989.5/38

Out: 34.204 $\pm$ 0.141 χ^2 /NDF:4119.6/41

All: 34.277 $\pm$ 0.100 χ^2 /NDF: 7109.6/80

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.549 ± 0.669 χ^2/NDF : 511.1/16

Left Out: -29.770 ± 0.195 χ^2/NDF : 9273.9/22

Right Out: -18.286 ± 0.645 χ^2/NDF : 473.5/18

Left In: -28.692 ± 0.192 χ^2/NDF : 9033.6/21

Left: -29.223 ± 0.137 χ^2/NDF : 18323.0/44

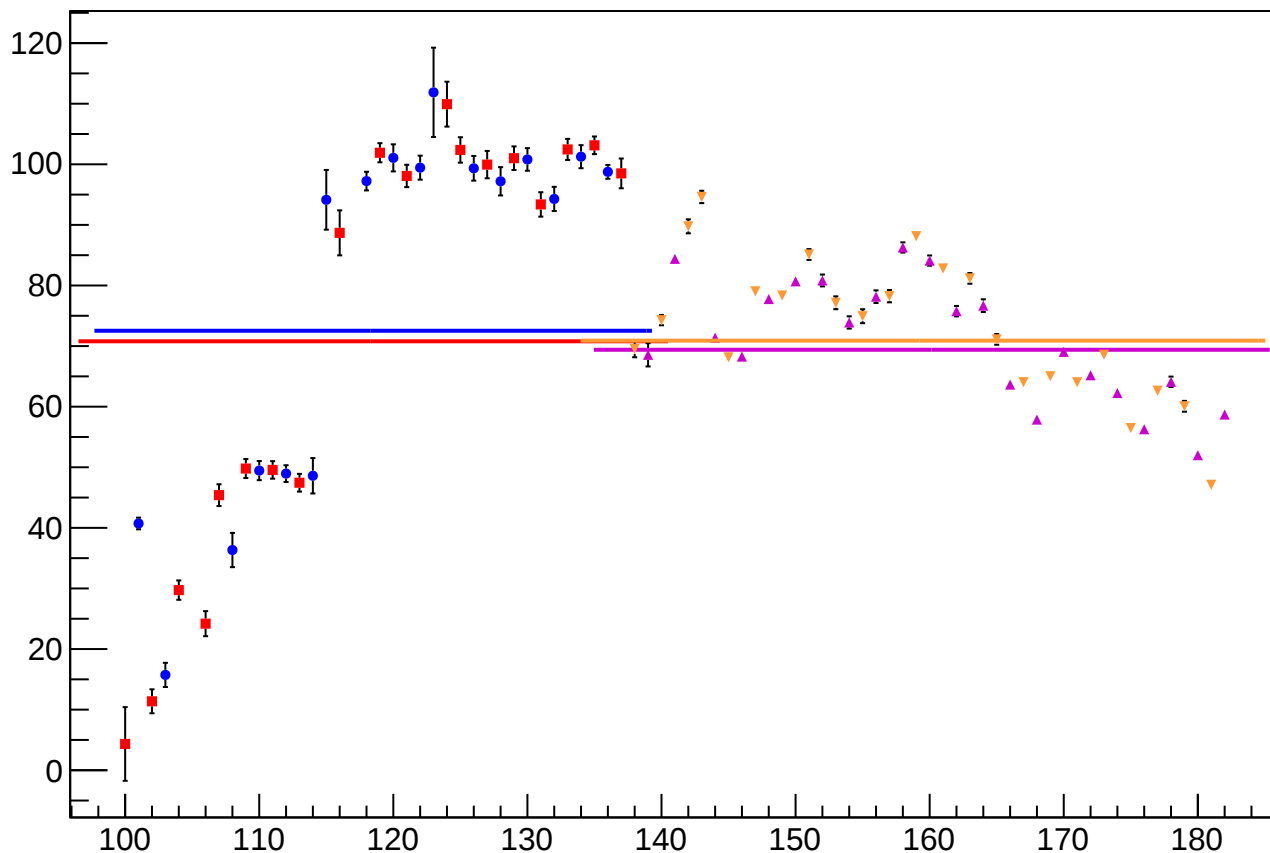
Right: -18.413 ± 0.464 χ^2/NDF : 984.6/35

In: -27.920 ± 0.184 χ^2/NDF : 9757.3/38

Out: -28.808 ± 0.187 χ^2/NDF : 10038.2/41

All: -28.359 ± 0.131 χ^2/NDF : 19807.0/80

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.529 $\pm$ 0.429 χ^2 /NDF: 4672.2/16

Left Out: 70.897 $\pm$ 0.172 χ^2 /NDF: 4344.0/22

Right Out: 70.790 $\pm$ 0.434 χ^2 /NDF: 5494.5/18

Left In: 69.393 $\pm$ 0.172 χ^2 /NDF: 3321.8/21

Left: 70.144 $\pm$ 0.121 χ^2 /NDF: 7704.1/44

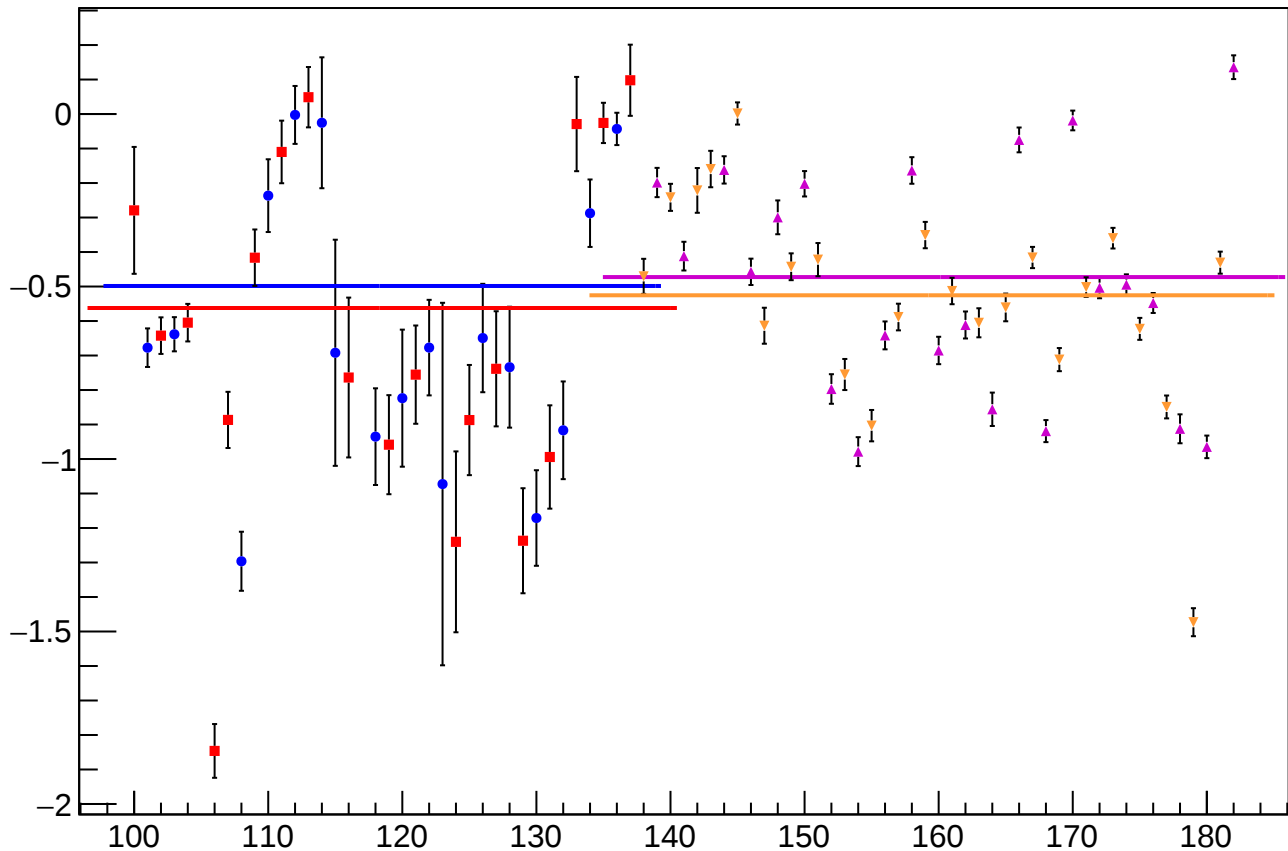
Right: 71.669 $\pm$ 0.305 χ^2 /NDF: 10174.8/35

In: 69.826 $\pm$ 0.159 χ^2 /NDF: 8040.0/38

Out: 70.882 $\pm$ 0.160 χ^2 /NDF: 9838.6/41

All: 70.353 $\pm$ 0.113 χ^2 /NDF: 17900.5/80

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.498 ± 0.022 χ^2/NDF : 302.1/16

Left Out: -0.525 ± 0.008 χ^2/NDF : 1259.8/22

Right Out: -0.562 ± 0.021 χ^2/NDF : 560.3/18

Left In: -0.473 ± 0.008 χ^2/NDF : 1787.4/21

Left: -0.499 ± 0.006 χ^2/NDF : 3069.8/44

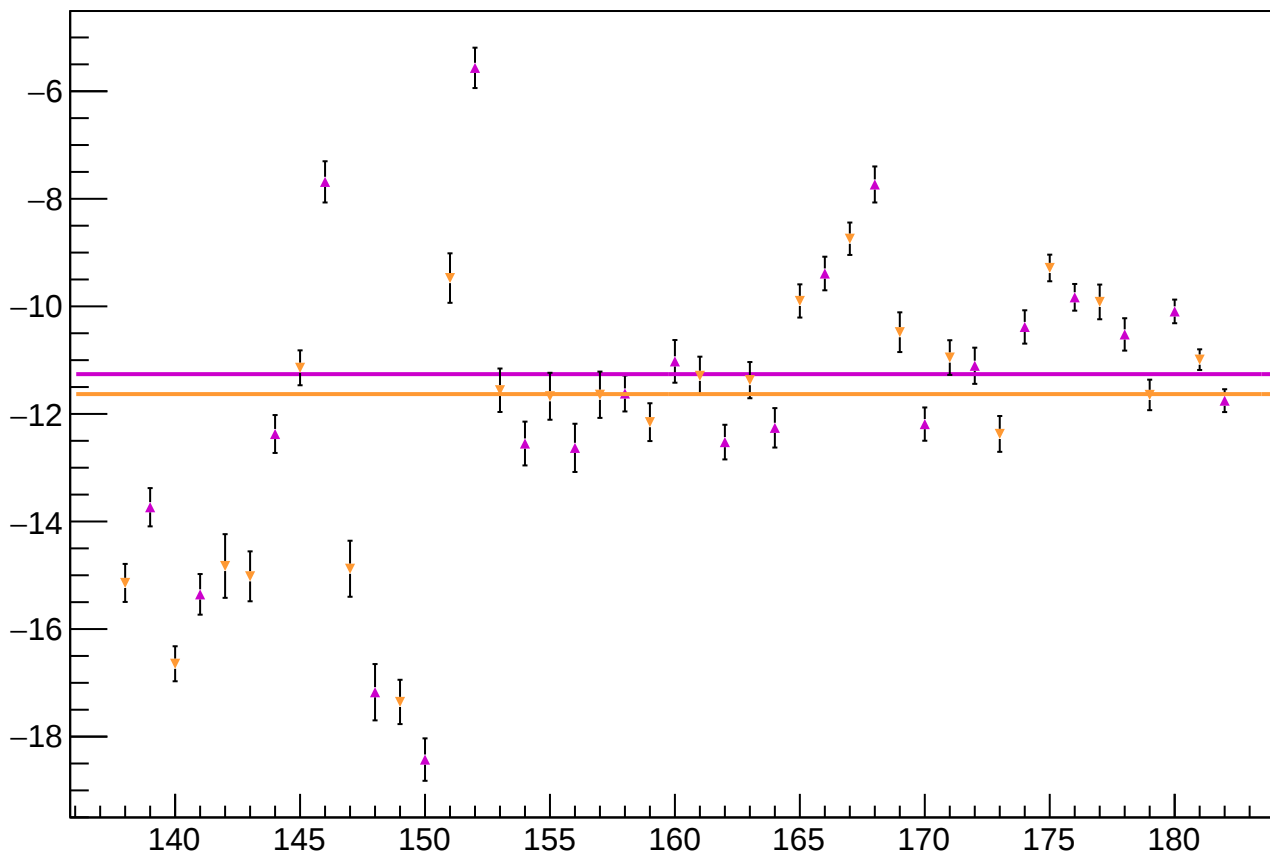
Right: -0.532 ± 0.015 χ^2/NDF : 866.6/35

In: -0.475 ± 0.007 χ^2/NDF : 2090.7/38

Out: -0.530 ± 0.007 χ^2/NDF : 1822.6/41

All: -0.502 ± 0.005 χ^2/NDF : 3940.5/80

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: -11.631+/-0.070 χ^2/NDF :950.2/22

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

Left In: -11.260+/-0.069 χ^2/NDF :1230.6/21

Left: -11.443+/-0.049 χ^2/NDF : 2195.0/44

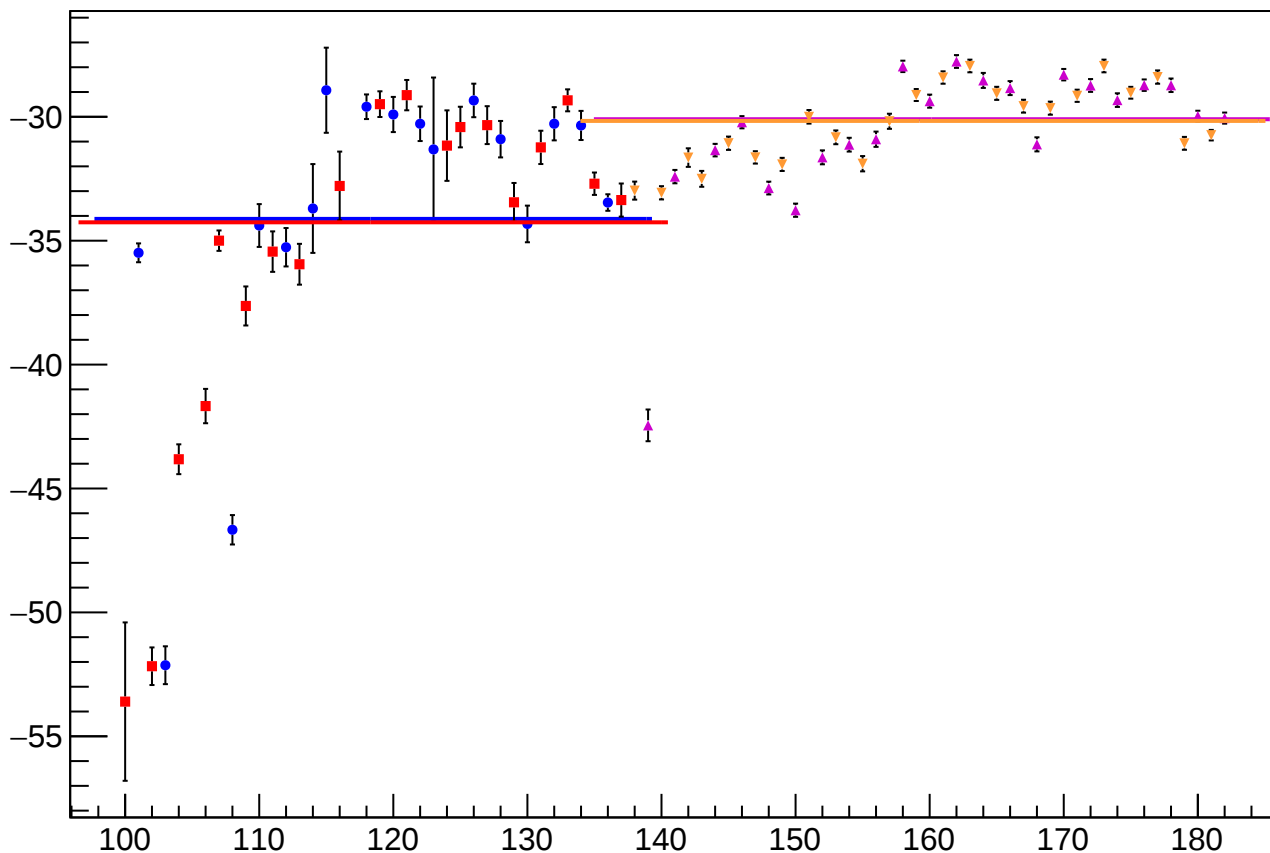
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -11.260+/-0.069 χ^2/NDF :1230.6/21

Out: -11.631+/-0.070 χ^2/NDF :950.2/22

All: -11.443+/-0.049 χ^2/NDF : 2195.0/44

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.120 ± 0.152 χ^2/NDF : 1324.4/16

Left Out: -30.166 ± 0.056 χ^2/NDF : 719.6/22

Right Out: -34.258 ± 0.151 χ^2/NDF : 1356.1/18

Left In: -30.098 ± 0.056 χ^2/NDF : 1216.2/21

Left: -30.132 ± 0.040 χ^2/NDF : 1936.5/44

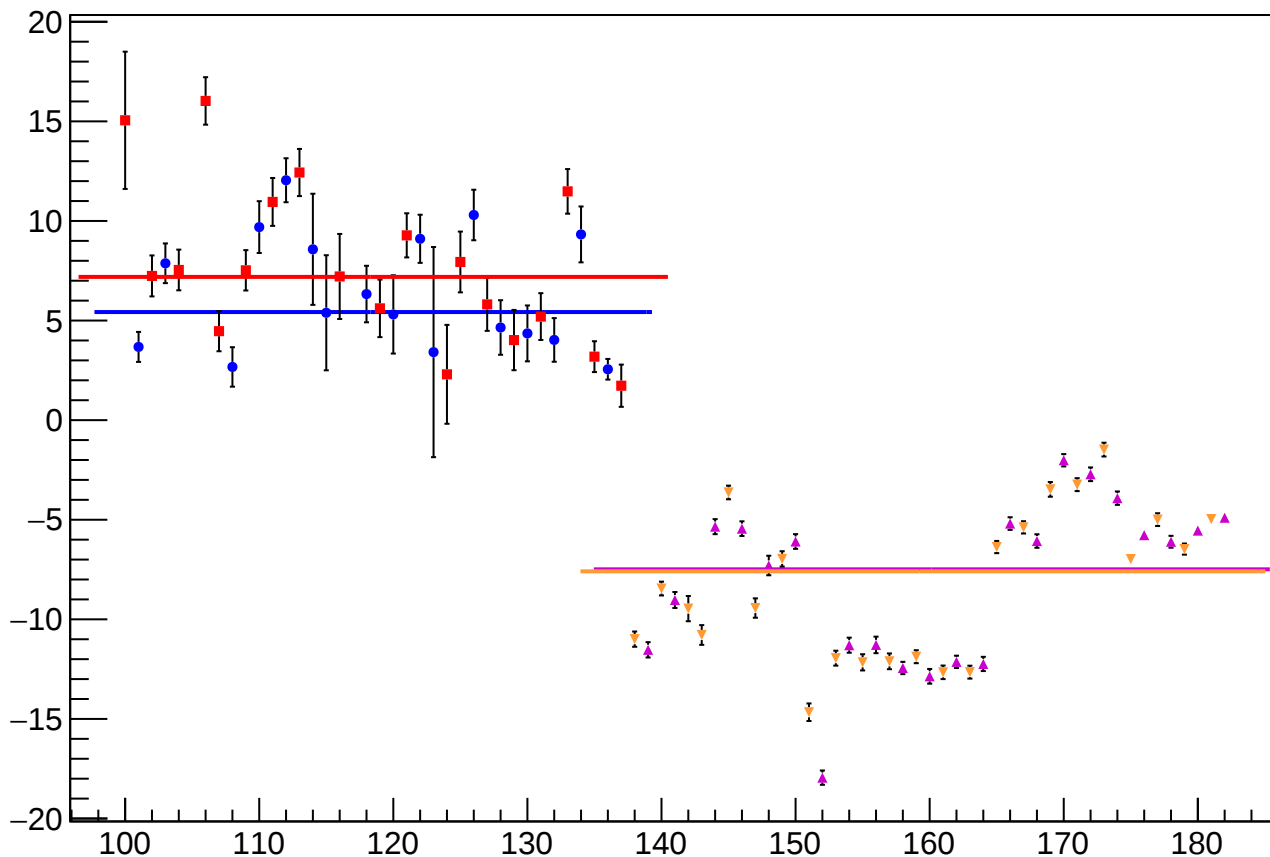
Right: -34.190 ± 0.107 χ^2/NDF : 2680.8/35

In: -30.580 ± 0.053 χ^2/NDF : 3157.0/38

Out: -30.657 ± 0.052 χ^2/NDF : 2721.9/41

All: -30.619 ± 0.037 χ^2/NDF : 5880.0/80

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.427 ± 0.271 $\chi^2/\text{NDF}: 132.7/16$

Left Out: -7.590 ± 0.070 $\chi^2/\text{NDF}: 2514.8/22$

Right Out: 7.192 ± 0.275 $\chi^2/\text{NDF}: 182.2/18$

Left In: -7.490 ± 0.069 $\chi^2/\text{NDF}: 3081.4/21$

Left: -7.539 ± 0.049 $\chi^2/\text{NDF}: 5597.3/44$

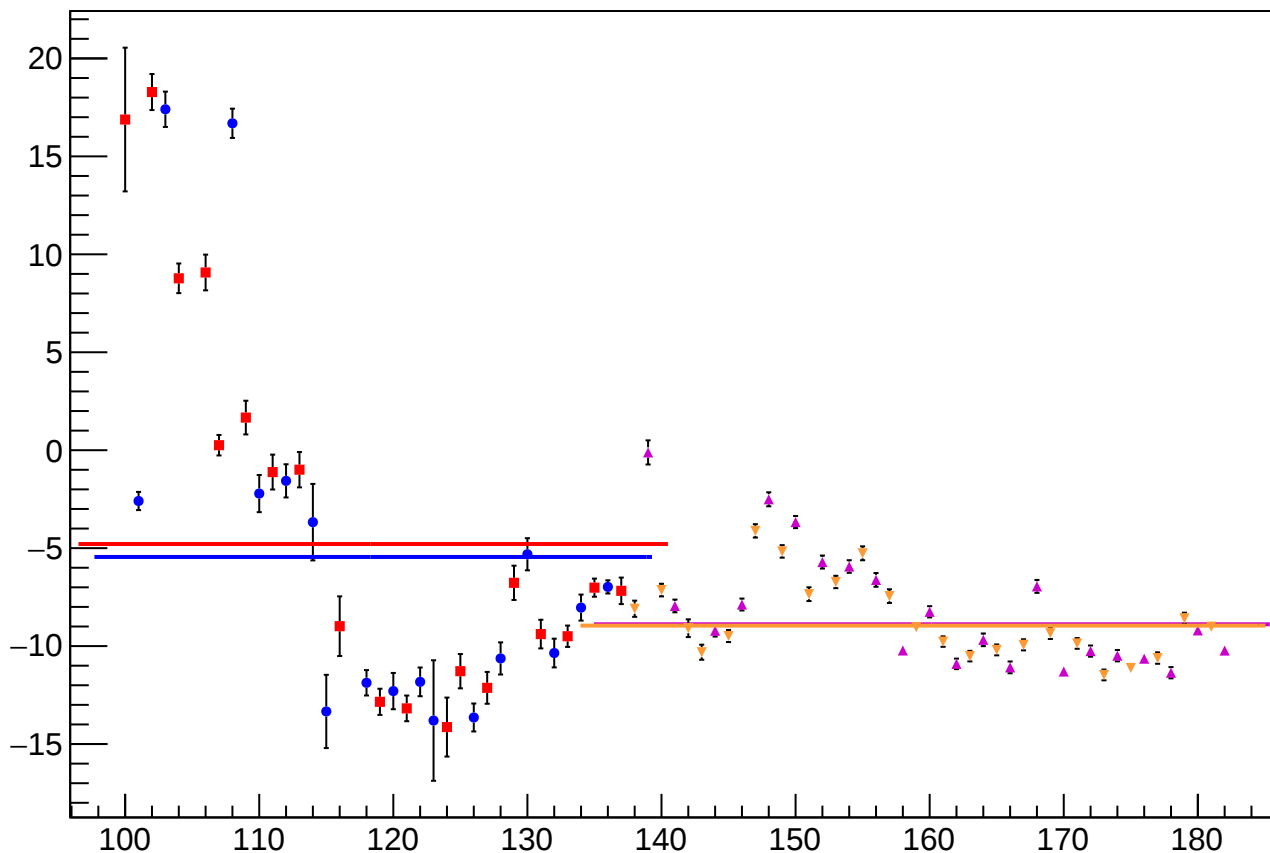
Right: 6.296 ± 0.193 $\chi^2/\text{NDF}: 335.8/35$

In: -6.705 ± 0.067 $\chi^2/\text{NDF}: 5352.4/38$

Out: -6.688 ± 0.068 $\chi^2/\text{NDF}: 5413.7/41$

All: -6.697 ± 0.048 $\chi^2/\text{NDF}: 10766.2/80$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.450 ± 0.171 $\chi^2/\text{NDF}: 2097.1/16$

Left Out: -8.954 ± 0.062 $\chi^2/\text{NDF}: 868.0/22$

Right Out: -4.789 ± 0.173 $\chi^2/\text{NDF}: 2047.5/18$

Left In: -8.887 ± 0.062 $\chi^2/\text{NDF}: 1531.9/21$

Left: -8.921 ± 0.044 $\chi^2/\text{NDF}: 2400.5/44$

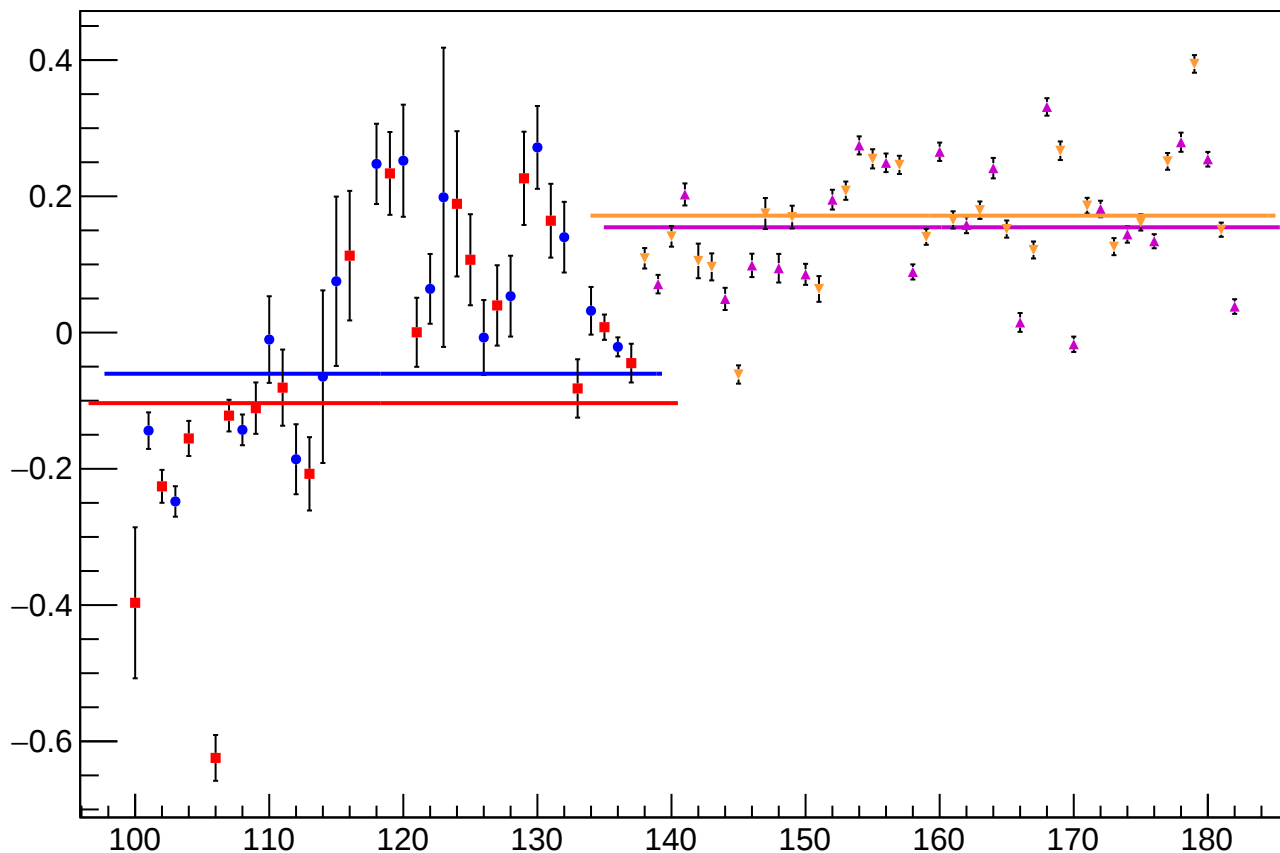
Right: -5.124 ± 0.122 $\chi^2/\text{NDF}: 4151.9/35$

In: -8.484 ± 0.059 $\chi^2/\text{NDF}: 3985.3/38$

Out: -8.474 ± 0.059 $\chi^2/\text{NDF}: 3427.4/41$

All: -8.479 ± 0.041 $\chi^2/\text{NDF}: 7412.7/80$

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.060 ± 0.008 χ^2/NDF : 214.5/16

Left Out: 0.172 ± 0.003 χ^2/NDF : 881.8/22

Right Out: -0.104 ± 0.008 χ^2/NDF : 433.1/18

Left In: 0.155 ± 0.003 χ^2/NDF : 1215.6/21

Left: 0.163 ± 0.002 χ^2/NDF : 2115.7/44

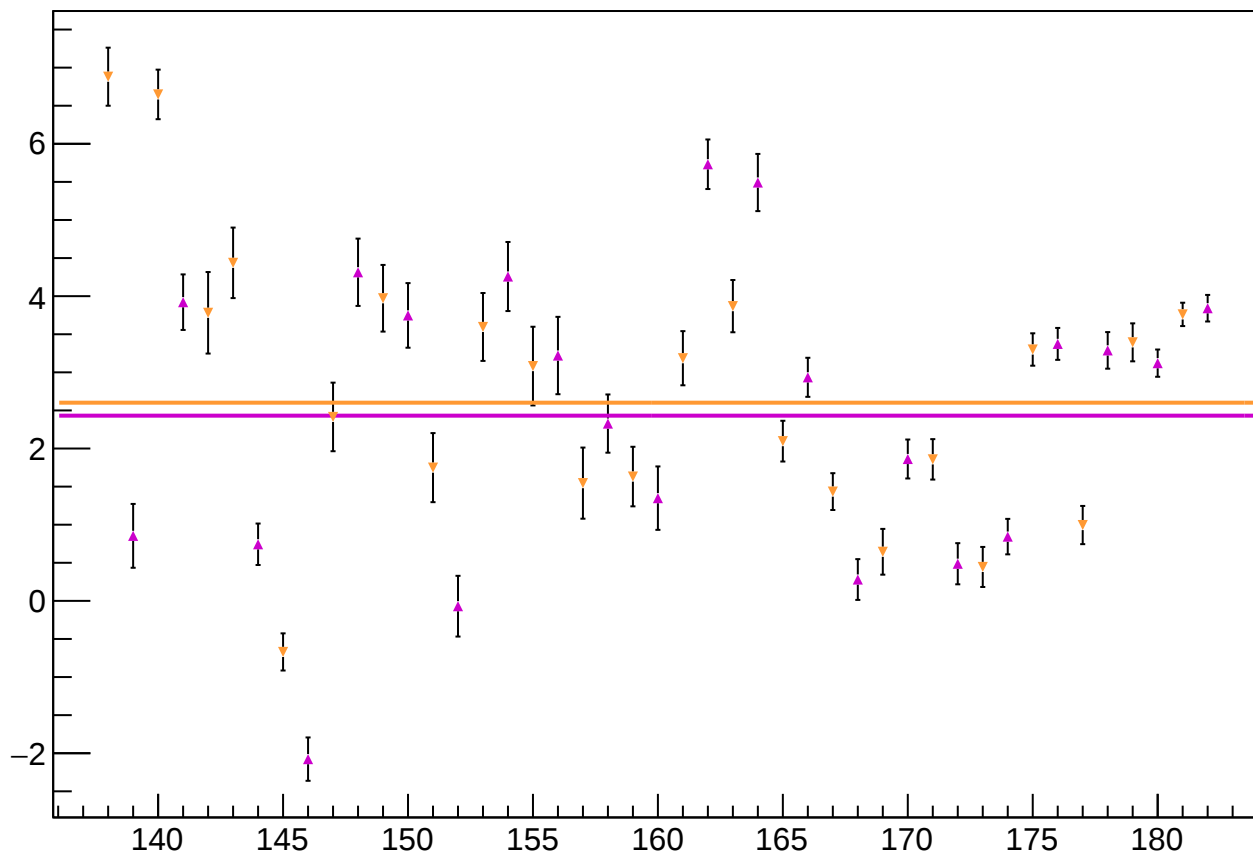
Right: -0.082 ± 0.006 χ^2/NDF : 660.7/35

In: 0.133 ± 0.003 χ^2/NDF : 2018.5/38

Out: 0.144 ± 0.003 χ^2/NDF : 2268.6/41

All: 0.138 ± 0.002 χ^2/NDF : 4294.7/80

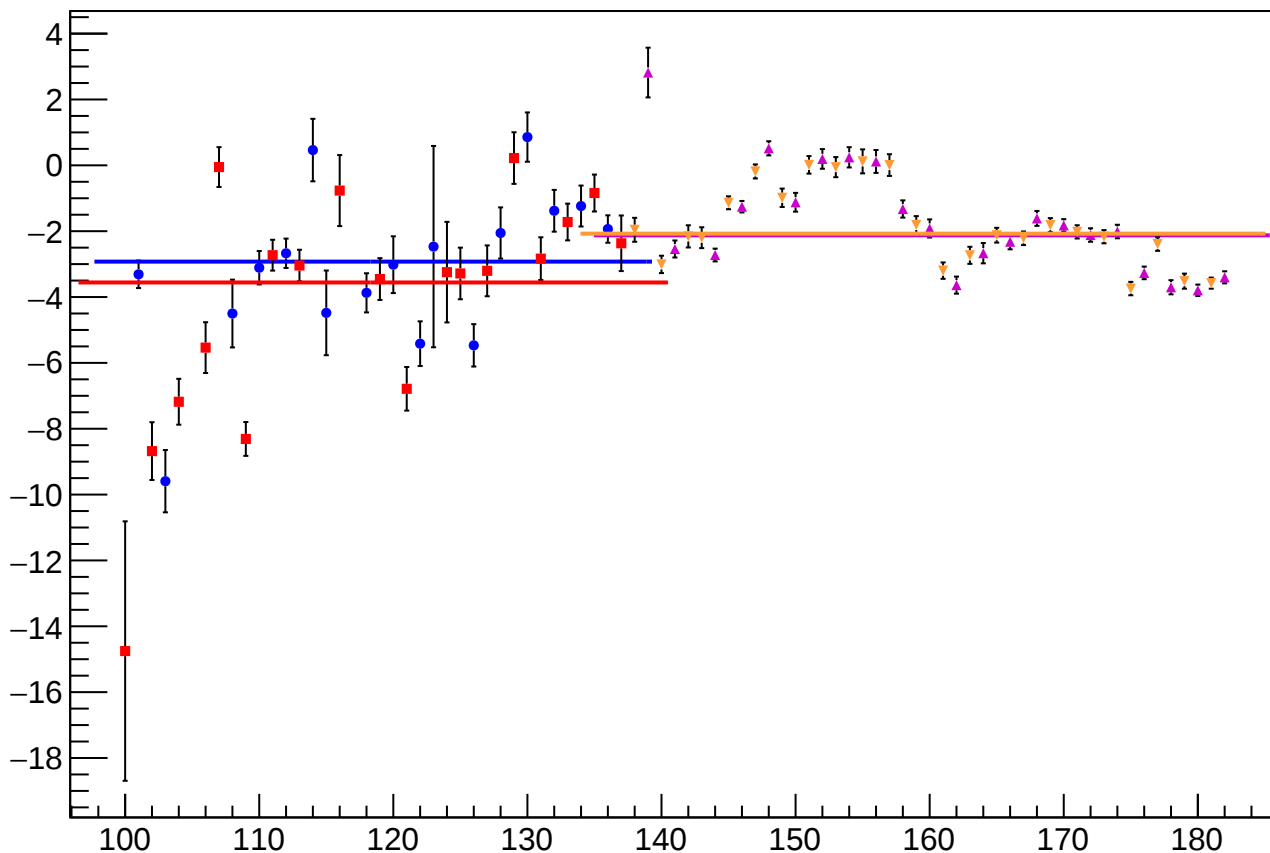
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.602 $\pm$ 0.062 χ^2 /NDF:792.0/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.431 $\pm$ 0.060 χ^2 /NDF:867.4/21

Left: 2.514 $\pm$ 0.043 χ^2 /NDF: 1663.3/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 2.431 $\pm$ 0.060 χ^2 /NDF:867.4/21
 Out: 2.602 $\pm$ 0.062 χ^2 /NDF:792.0/22
 All: 2.514 $\pm$ 0.043 χ^2 /NDF: 1663.3/44

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.925 ± 0.155 χ^2/NDF : 144.9/16

Left Out: -2.075 ± 0.050 χ^2/NDF : 528.9/22

Right Out: -3.558 ± 0.155 χ^2/NDF : 290.8/18

Left In: -2.126 ± 0.049 χ^2/NDF : 689.1/21

Left: -2.101 ± 0.035 χ^2/NDF : 1218.6/44

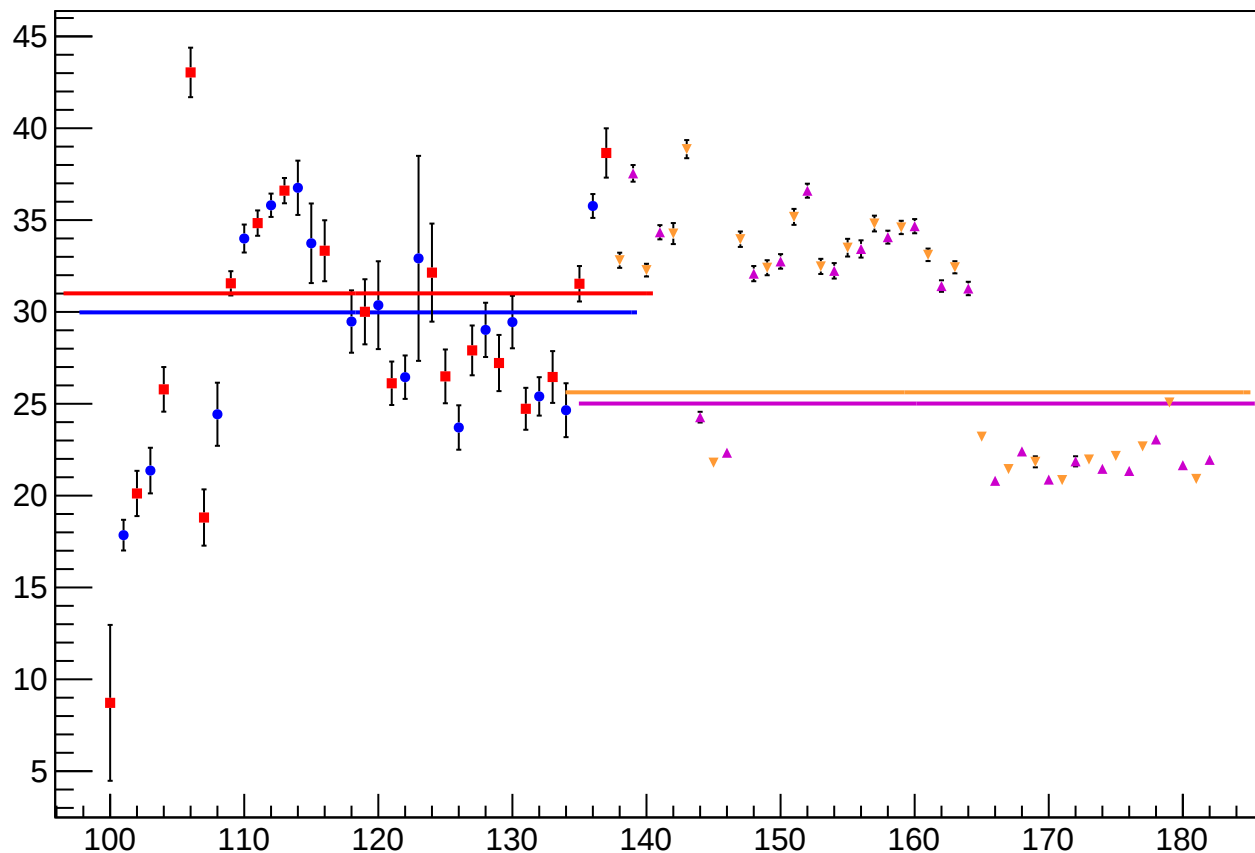
Right: -3.242 ± 0.110 χ^2/NDF : 444.1/35

In: -2.198 ± 0.047 χ^2/NDF : 858.2/38

Out: -2.213 ± 0.047 χ^2/NDF : 902.9/41

All: -2.206 ± 0.033 χ^2/NDF : 1761.1/80

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.976 $\pm$ 0.268 χ^2 /NDF: 554.0/16

Left Out: 25.624 $\pm$ 0.062 χ^2 /NDF: 7815.9/22

Right Out: 31.010 $\pm$ 0.260 χ^2 /NDF: 478.7/18

Left In: 25.012 $\pm$ 0.060 χ^2 /NDF: 7609.0/21

Left: 25.309 $\pm$ 0.043 χ^2 /NDF: 15474.4/44

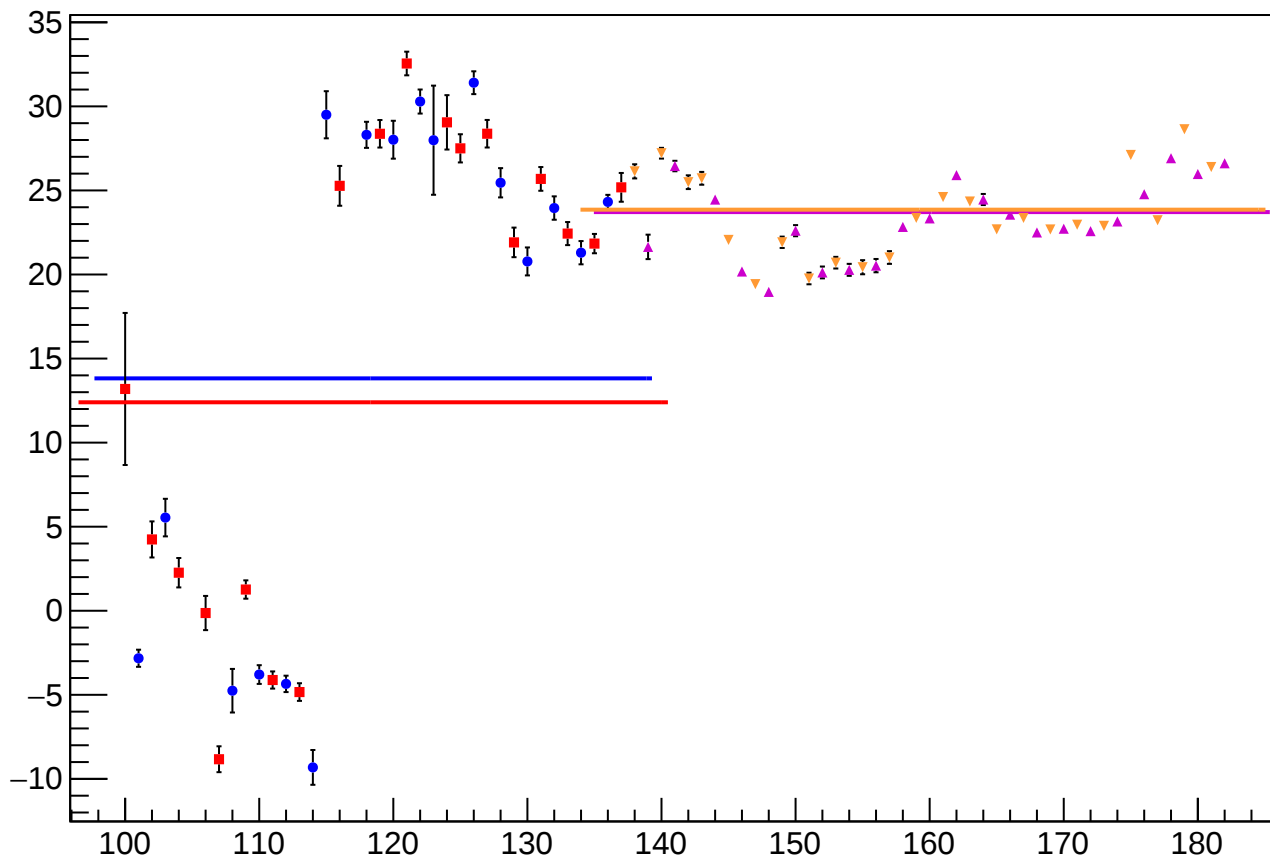
Right: 30.507 $\pm$ 0.187 χ^2 /NDF: 1040.4/35

In: 25.253 $\pm$ 0.059 χ^2 /NDF: 8489.8/38

Out: 25.916 $\pm$ 0.061 χ^2 /NDF: 8699.3/41

All: 25.575 $\pm$ 0.042 χ^2 /NDF: 17250.4/80

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.822 $\pm$ 0.173 χ^2 /NDF: 7274.7/16

Left Out: 23.856 $\pm$ 0.056 χ^2 /NDF:1751.8/22

Right Out: 12.399 $\pm$ 0.174 χ^2 /NDF: 6952.8/18

Left In: 23.712 $\pm$ 0.055 χ^2 /NDF:1630.4/21

Left: 23.782 $\pm$ 0.039 χ^2 /NDF: 3385.6/44

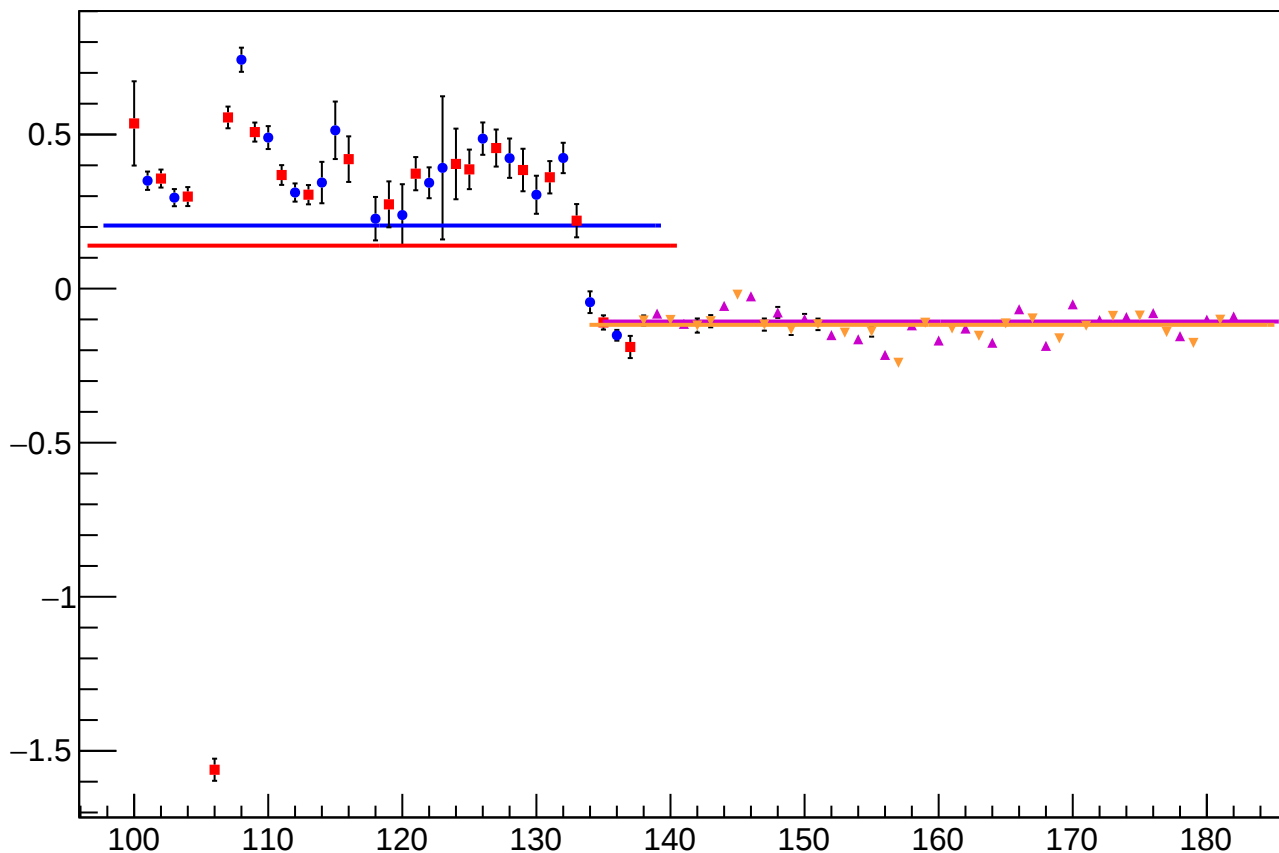
Right: 13.115 $\pm$ 0.123 χ^2 /NDF: 14261.1/35

In: 22.814 $\pm$ 0.052 χ^2 /NDF:11876.0/38

Out: 22.789 $\pm$ 0.053 χ^2 /NDF:12636.4/41

All: 22.802 $\pm$ 0.037 χ^2 /NDF: 24512.5/80

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 $\chi^2/\text{NDF}: 846.4/16$

Left Out: -0.118 ± 0.003 $\chi^2/\text{NDF}: 254.2/22$

Right Out: 0.139 ± 0.009 $\chi^2/\text{NDF}: 3013.6/18$

Left In: -0.107 ± 0.002 $\chi^2/\text{NDF}: 321.6/21$

Left: -0.112 ± 0.002 $\chi^2/\text{NDF}: 584.8/44$

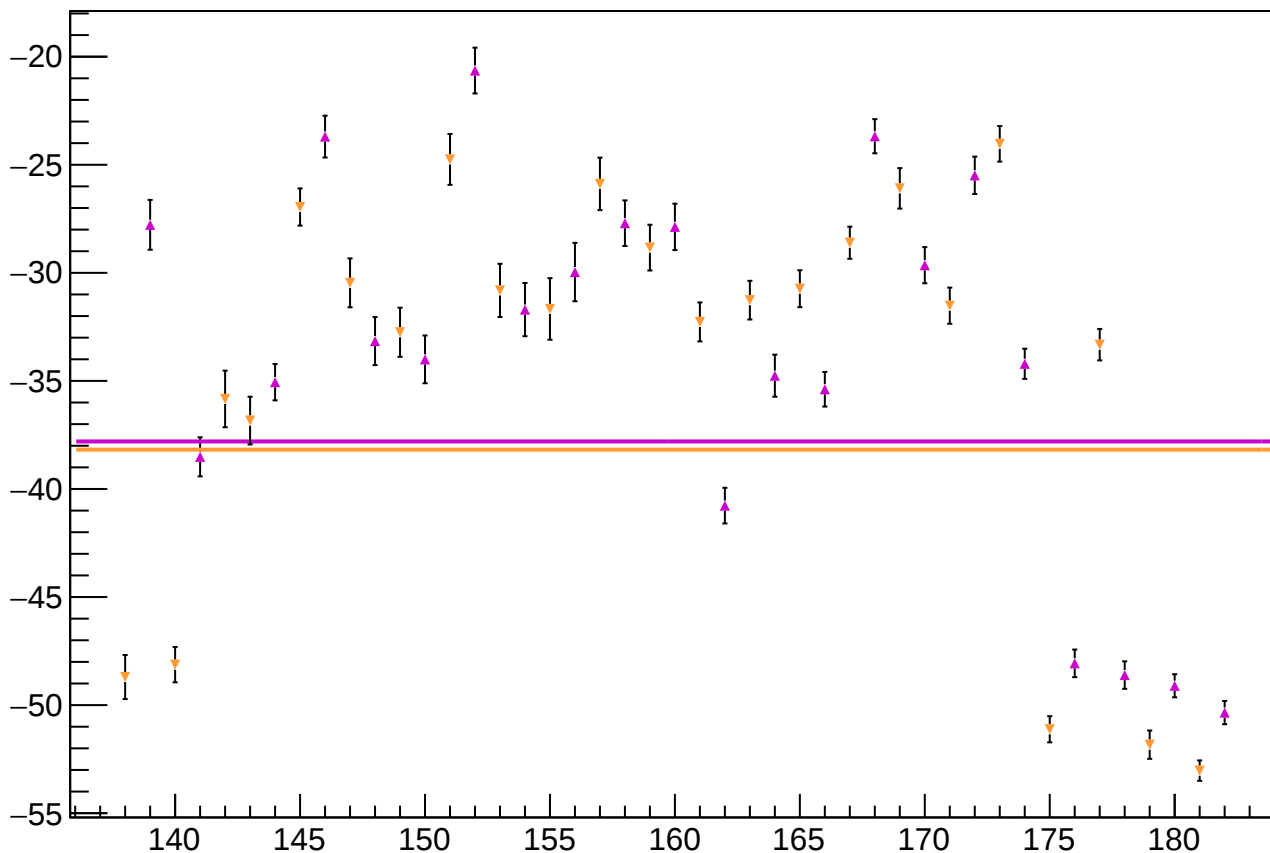
Right: 0.171 ± 0.007 $\chi^2/\text{NDF}: 3884.7/35$

In: -0.086 ± 0.002 $\chi^2/\text{NDF}: 2196.9/38$

Out: -0.099 ± 0.002 $\chi^2/\text{NDF}: 3989.4/41$

All: -0.093 ± 0.002 $\chi^2/\text{NDF}: 6200.2/80$

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: -38.180+/-0.179 χ^2/NDF :3665.9/22

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

Left In: -37.802+/-0.176 χ^2/NDF :3037.7/21

Left: -37.988+/-0.125 χ^2/NDF : 6705.8/44

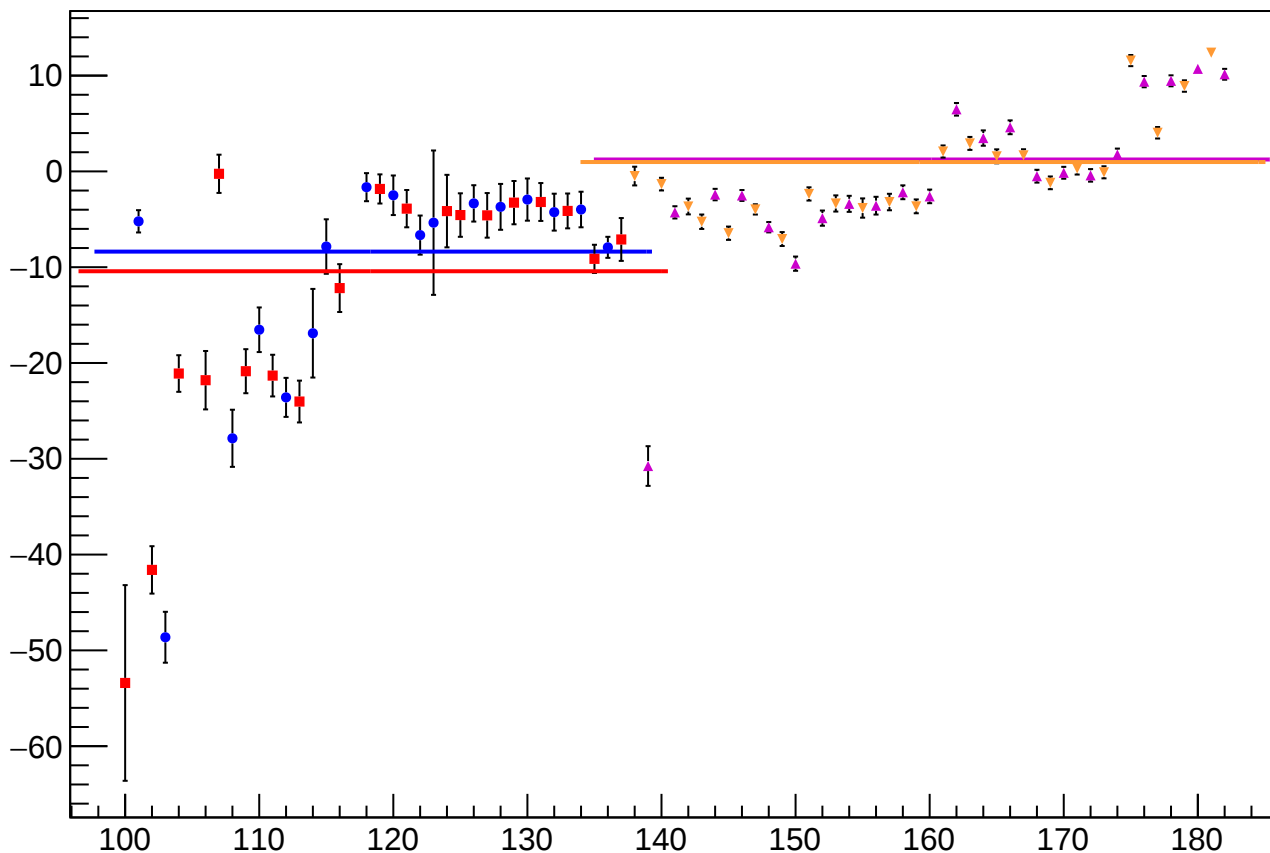
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.802+/-0.176 χ^2/NDF :3037.7/21

Out: -38.180+/-0.179 χ^2/NDF :3665.9/22

All: -37.988+/-0.125 χ^2/NDF : 6705.8/44

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.373 ± 0.467 χ^2/NDF : 408.5/16

Left Out: 0.978 ± 0.141 χ^2/NDF : 1615.2/22

Right Out: -10.423 ± 0.492 χ^2/NDF : 429.8/18

Left In: 1.242 ± 0.141 χ^2/NDF : 2029.4/21

Left: 1.110 ± 0.100 χ^2/NDF : 3646.3/44

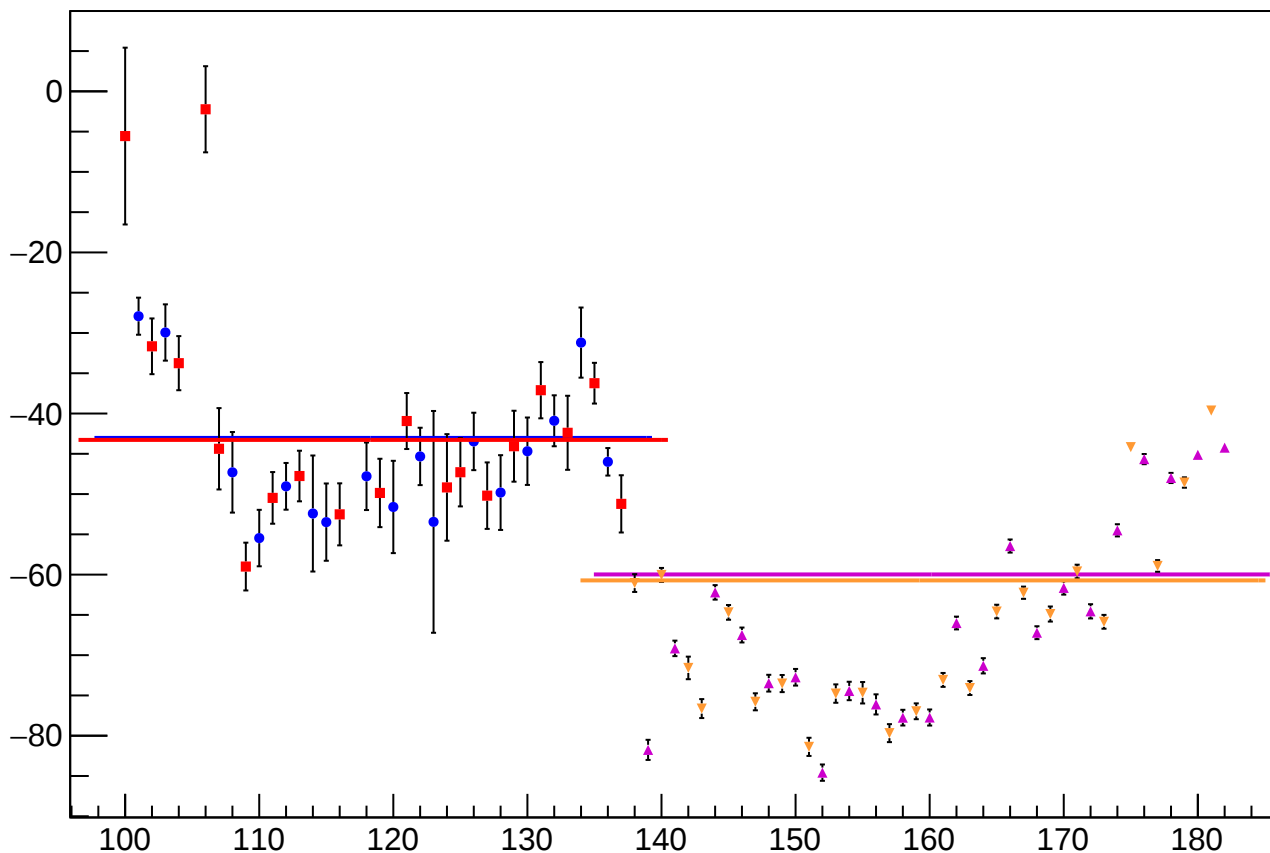
Right: -9.345 ± 0.338 χ^2/NDF : 847.5/35

In: 0.435 ± 0.135 χ^2/NDF : 2826.9/38

Out: 0.110 ± 0.136 χ^2/NDF : 2541.8/41

All: 0.273 ± 0.096 χ^2/NDF : 5371.6/80

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.028 ± 0.838 $\chi^2/\text{NDF}: 98.9/16$

Left Out: -60.718 ± 0.179 $\chi^2/\text{NDF}: 5258.5/22$

Right Out: -43.274 ± 0.868 $\chi^2/\text{NDF}: 154.3/18$

Left In: -59.977 ± 0.176 $\chi^2/\text{NDF}: 5181.9/21$

Left: -60.341 ± 0.125 $\chi^2/\text{NDF}: 10449.1/44$

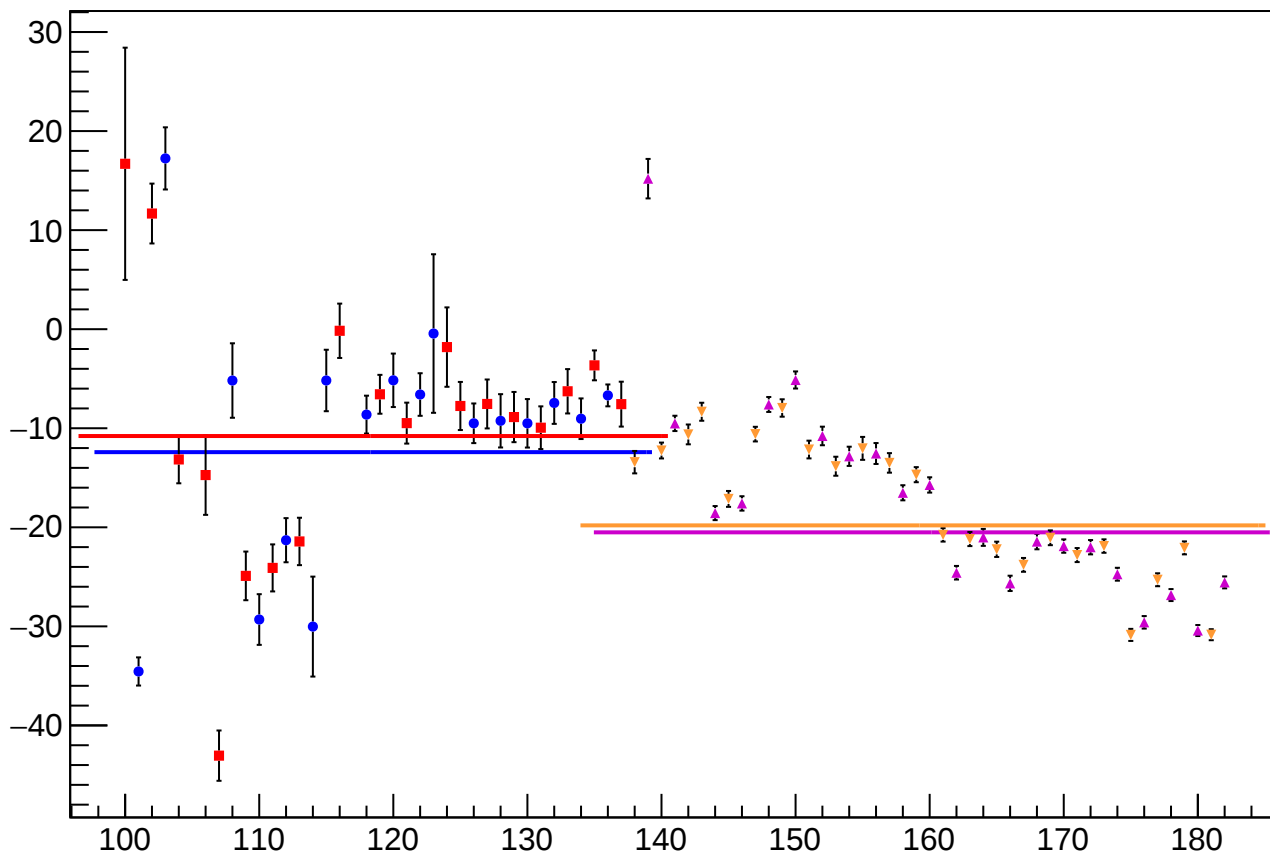
Right: -43.147 ± 0.603 $\chi^2/\text{NDF}: 253.2/35$

In: -59.263 ± 0.172 $\chi^2/\text{NDF}: 5672.2/38$

Out: -60.007 ± 0.175 $\chi^2/\text{NDF}: 5799.9/41$

All: -59.628 ± 0.123 $\chi^2/\text{NDF}: 11481.4/80$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.412 ± 0.524 χ^2/NDF : 473.5/16

Left Out: -19.805 ± 0.159 χ^2/NDF : 1838.1/22

Right Out: -10.786 ± 0.555 χ^2/NDF : 365.9/18

Left In: -20.509 ± 0.158 χ^2/NDF : 2284.3/21

Left: -20.159 ± 0.112 χ^2/NDF : 4132.3/44

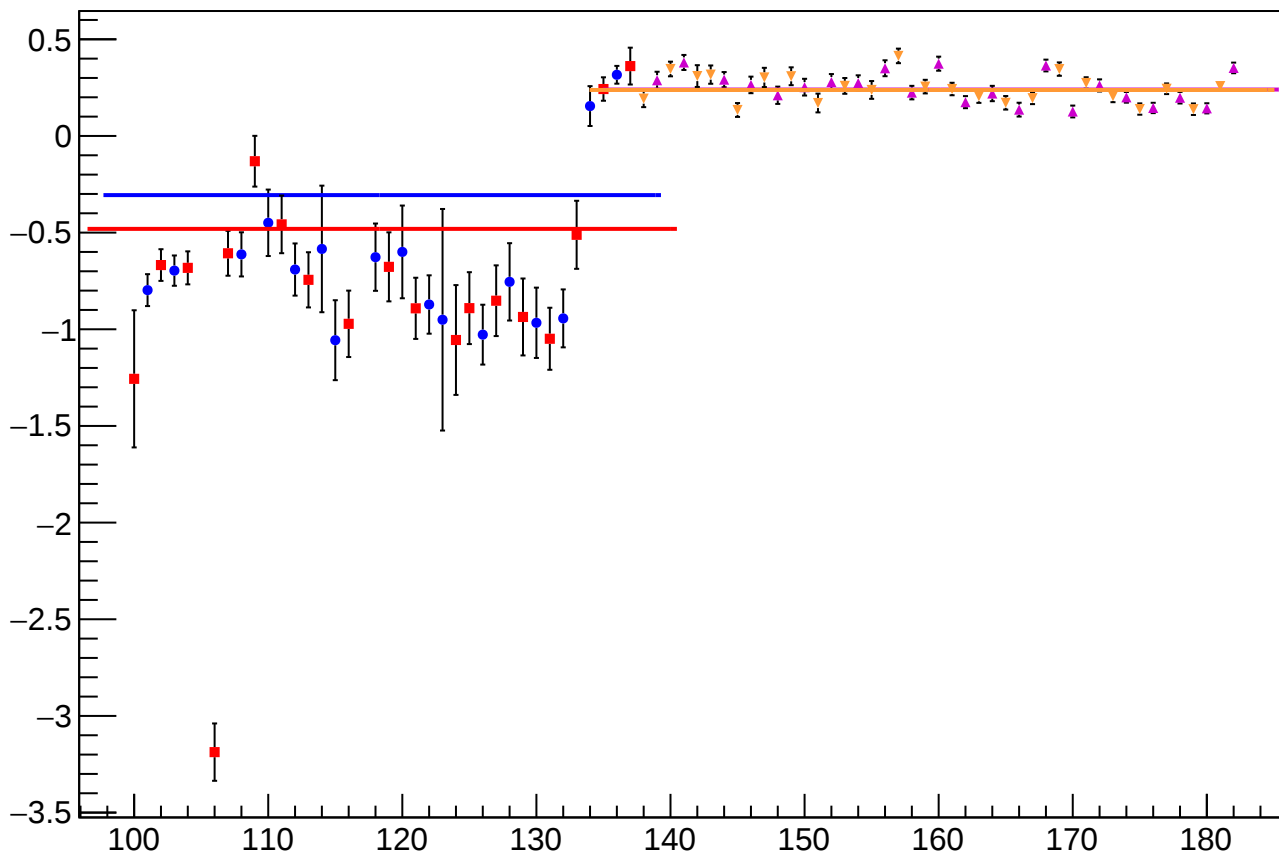
Right: -11.645 ± 0.381 χ^2/NDF : 844.0/35

In: -19.830 ± 0.152 χ^2/NDF : 2976.8/38

Out: -19.118 ± 0.153 χ^2/NDF : 2448.4/41

All: -19.478 ± 0.108 χ^2/NDF : 5436.0/80

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.238 ± 0.007 χ^2/NDF : 92.2/22

Right Out: -0.481 ± 0.029 χ^2/NDF : 627.8/18

Left In: 0.240 ± 0.007 χ^2/NDF : 130.3/21

Left: 0.239 ± 0.005 χ^2/NDF : 222.5/44

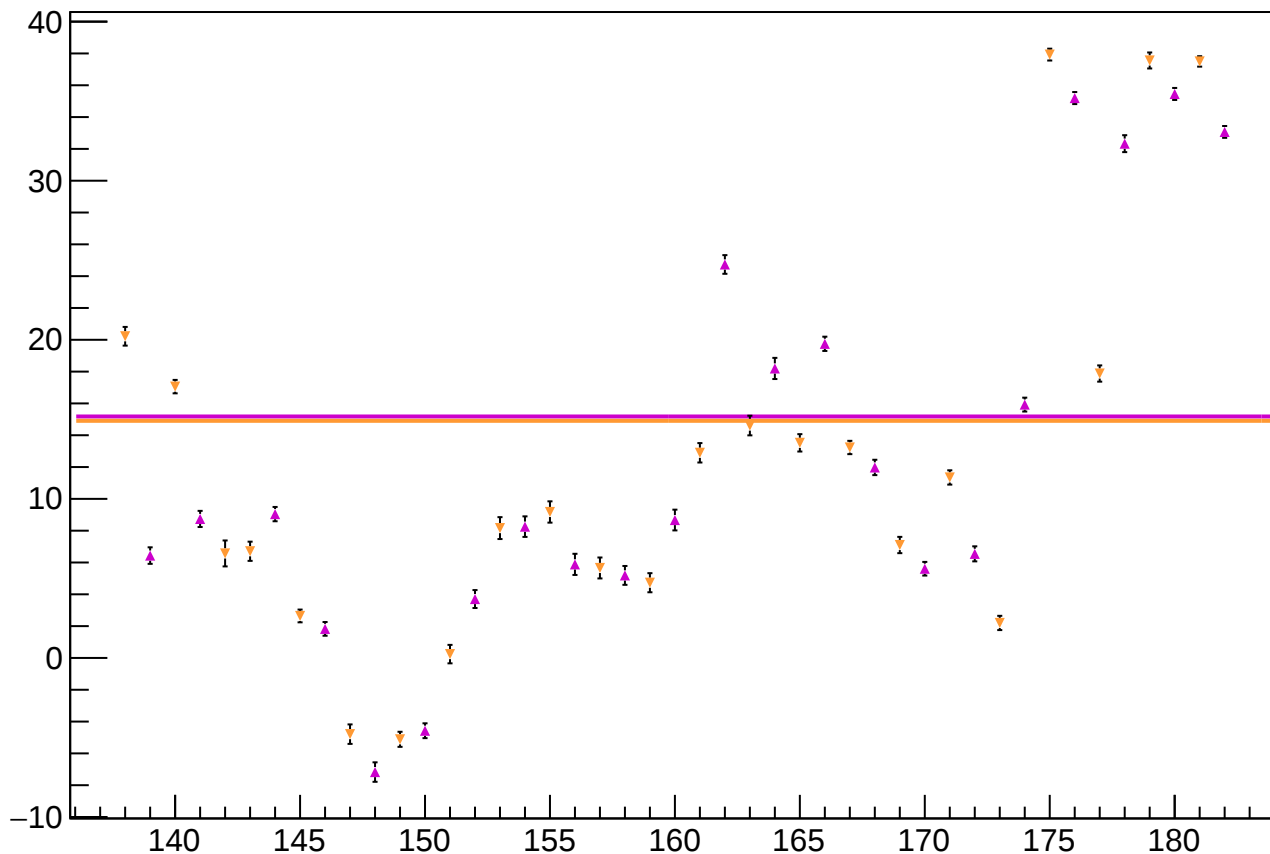
Right: -0.390 ± 0.020 χ^2/NDF : 1018.8/35

In: 0.205 ± 0.007 χ^2/NDF : 868.2/38

Out: 0.193 ± 0.007 χ^2/NDF : 1311.0/41

All: 0.199 ± 0.005 χ^2/NDF : 2180.6/80

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 14.907 $\pm$ 0.105 χ^2 /NDF:17200.9/22

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

Left In: 15.178 $\pm$ 0.104 χ^2 /NDF:16112.4/21

Left: 15.044 $\pm$ 0.074 χ^2 /NDF: 33316.6/44

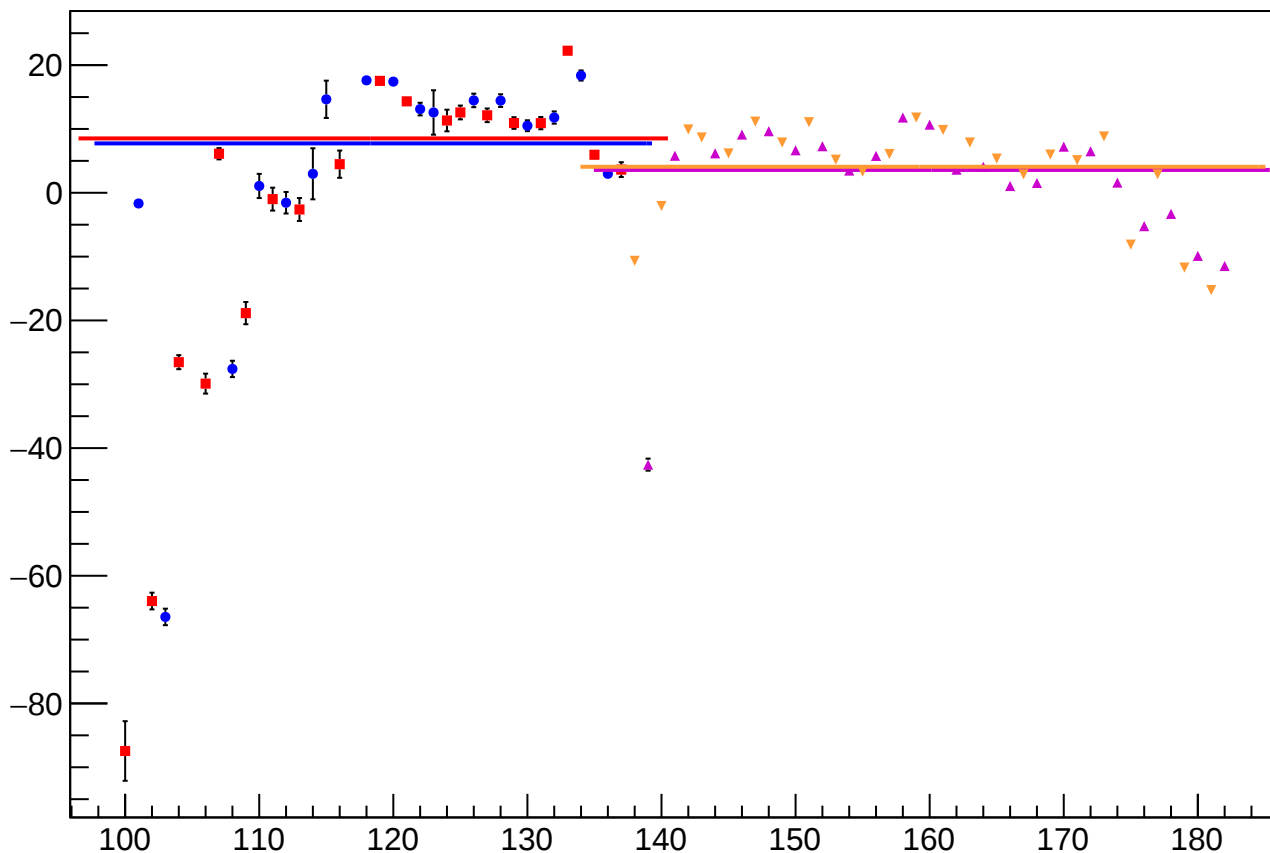
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 15.178 $\pm$ 0.104 χ^2 /NDF:16112.4/21

Out: 14.907 $\pm$ 0.105 χ^2 /NDF:17200.9/22

All: 15.044 $\pm$ 0.074 χ^2 /NDF: 33316.6/44

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.736 ± 0.218 $\chi^2/\text{NDF}: 5301.4/16$

Left Out: 4.077 ± 0.081 $\chi^2/\text{NDF}: 8393.9/22$

Right Out: 8.518 ± 0.214 $\chi^2/\text{NDF}: 6720.6/18$

Left In: 3.579 ± 0.082 $\chi^2/\text{NDF}: 8068.9/21$

Left: 3.830 ± 0.058 $\chi^2/\text{NDF}: 16481.5/44$

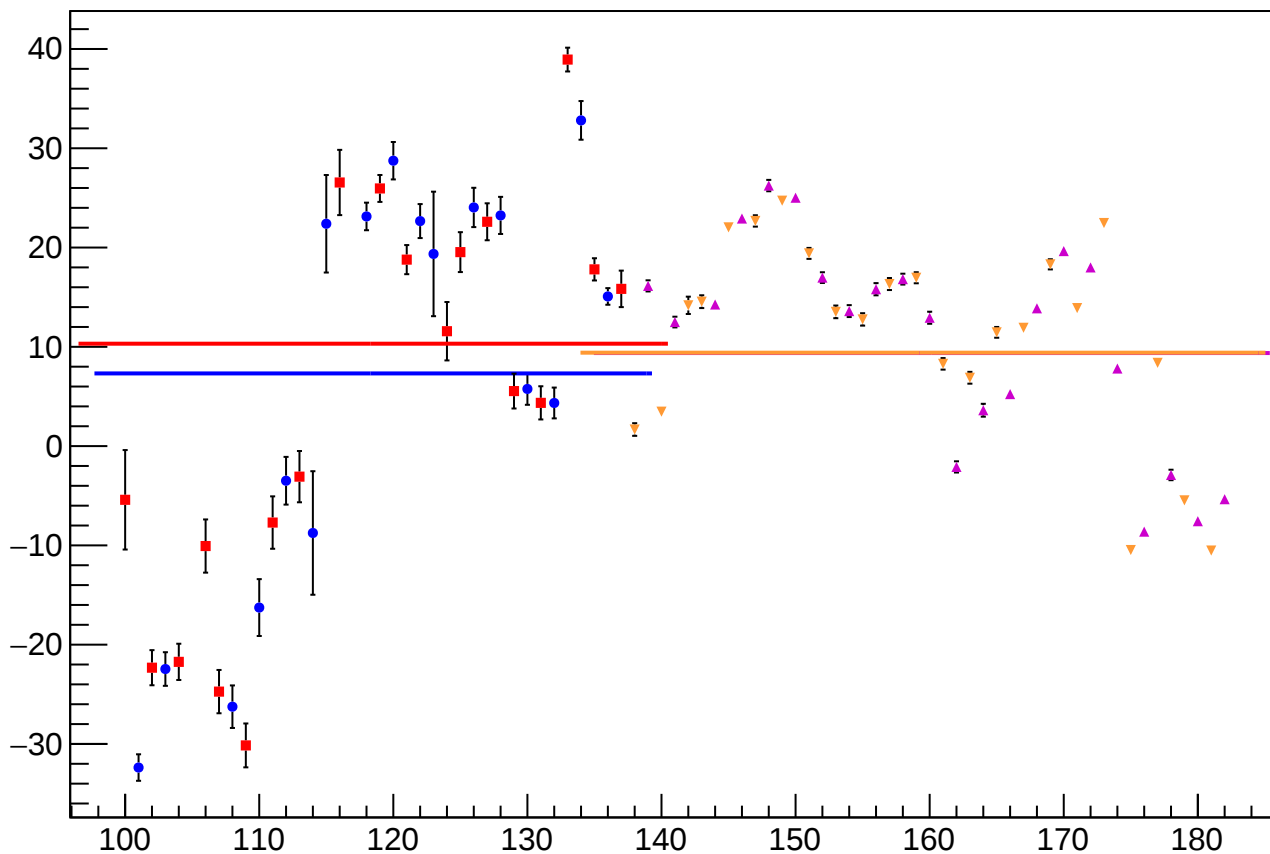
Right: 8.135 ± 0.153 $\chi^2/\text{NDF}: 12028.5/35$

In: 4.091 ± 0.077 $\chi^2/\text{NDF}: 13688.2/38$

Out: 4.636 ± 0.076 $\chi^2/\text{NDF}: 15492.6/41$

All: 4.367 ± 0.054 $\chi^2/\text{NDF}: 29206.4/80$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.321+/-0.419 χ^2/NDF : 2291.7/16

Left Out: 9.410+/-0.105 χ^2/NDF :12166.9/22

Right Out: 10.315+/-0.418 χ^2/NDF : 2282.9/18

Left In: 9.373+/-0.104 χ^2/NDF :11959.6/21

Left: 9.391+/-0.074 χ^2/NDF : 24126.6/44

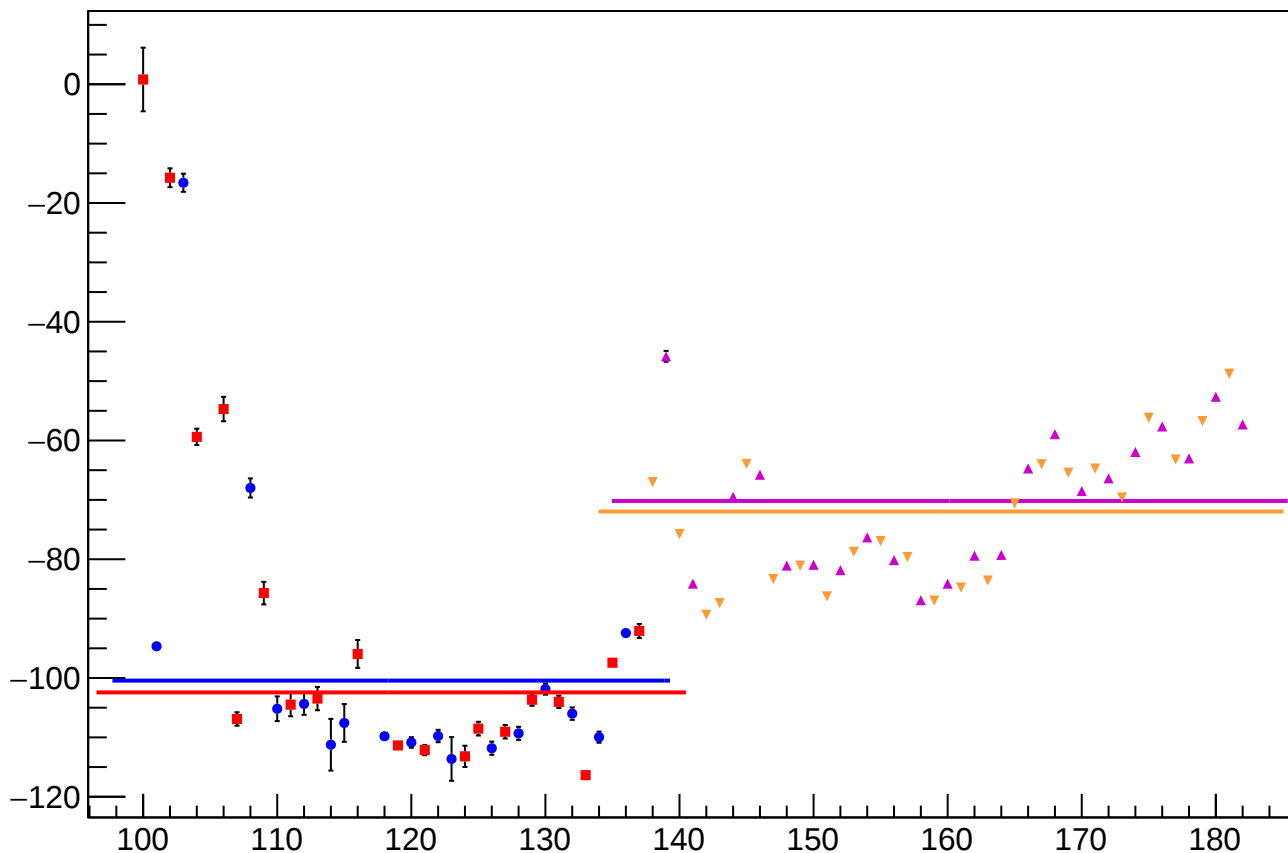
Right: 8.823+/-0.296 χ^2/NDF : 4600.1/35

In: 9.255+/-0.101 χ^2/NDF :14273.9/38

Out: 9.464+/-0.102 χ^2/NDF :14454.1/41

All: 9.358+/-0.072 χ^2/NDF : 28730.2/80

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.441 ± 0.251 χ^2/NDF : 4458.9/16

Left Out: -71.961 ± 0.092 χ^2/NDF : 15452.8/22

Right Out: -102.428 ± 0.247 χ^2/NDF : 6094.9/18

Left In: -70.183 ± 0.092 χ^2/NDF : 12952.9/21

Left: -71.075 ± 0.065 χ^2/NDF : 28590.9/44

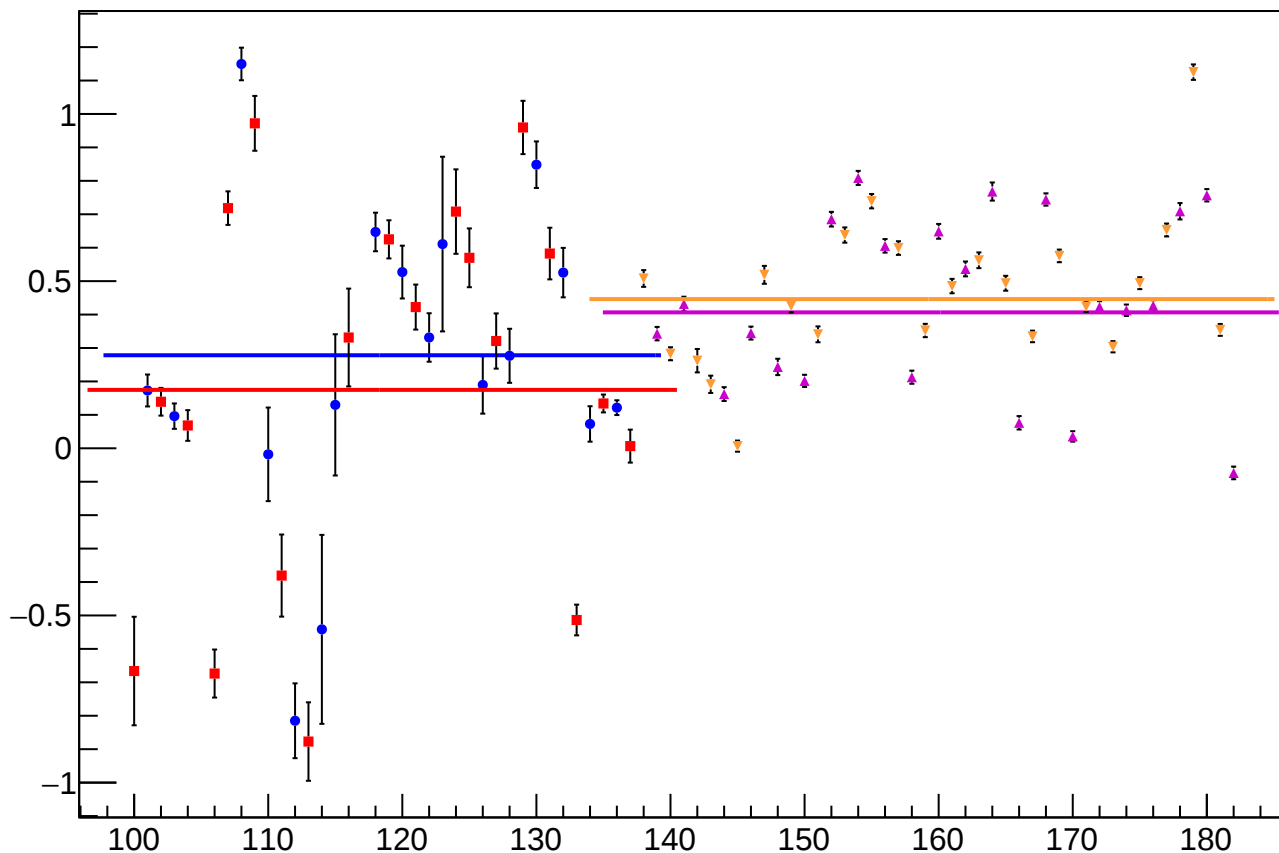
Right: -101.452 ± 0.176 χ^2/NDF : 10585.7/35

In: -73.799 ± 0.087 χ^2/NDF : 30202.8/38

Out: -75.696 ± 0.086 χ^2/NDF : 34933.3/41

All: -74.752 ± 0.061 χ^2/NDF : 65376.0/80

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.278 $\pm$ 0.014 χ^2 /NDF: 653.5/16

Left Out: 0.446 $\pm$ 0.004 χ^2 /NDF:2461.5/22

Right Out: 0.175 $\pm$ 0.013 χ^2 /NDF: 966.1/18

Left In: 0.407 $\pm$ 0.004 χ^2 /NDF:3707.8/21

Left: 0.426 $\pm$ 0.003 χ^2 /NDF: 6213.4/44

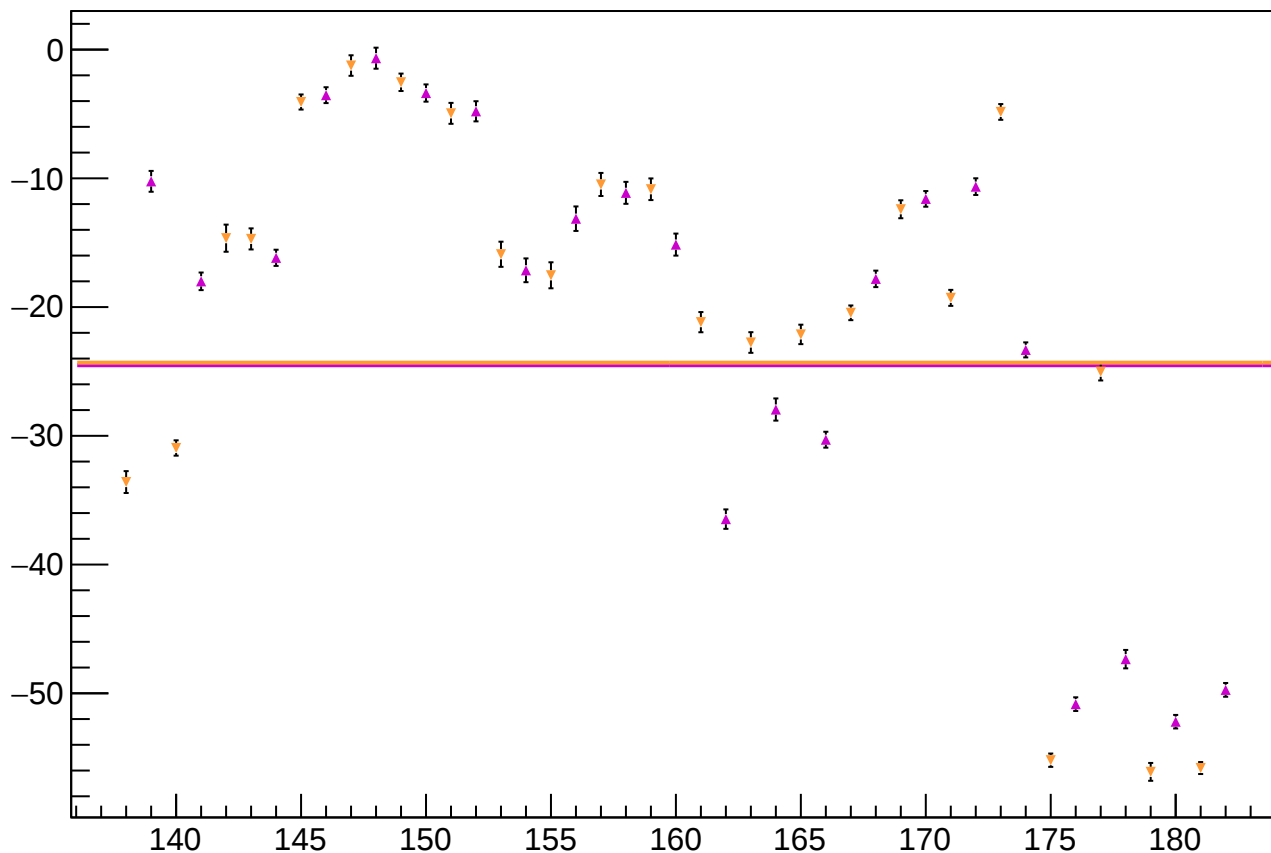
Right: 0.226 $\pm$ 0.010 χ^2 /NDF: 1649.0/35

In: 0.395 $\pm$ 0.004 χ^2 /NDF:4443.3/38

Out: 0.422 $\pm$ 0.004 χ^2 /NDF:3796.0/41

All: 0.408 $\pm$ 0.003 χ^2 /NDF: 8260.8/80

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: -24.317+/-0.145 χ^2/NDF :16396.6/22

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

Left In: -24.517+/-0.144 χ^2/NDF :14658.2/21

Left: -24.418+/-0.102 χ^2/NDF : 31055.8/44

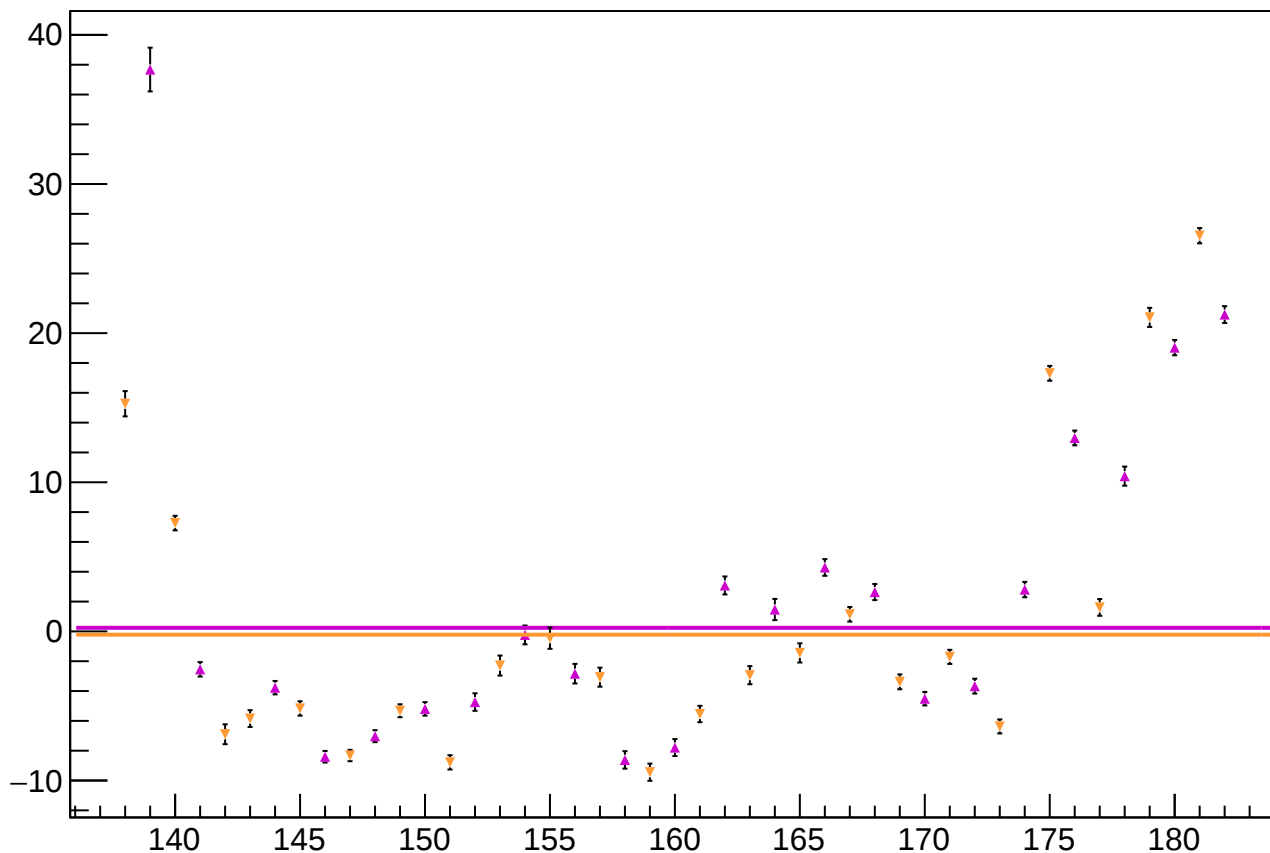
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.517+/-0.144 χ^2/NDF :14658.2/21

Out: -24.317+/-0.145 χ^2/NDF :16396.6/22

All: -24.418+/-0.102 χ^2/NDF : 31055.8/44

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -0.220 $\pm$ 0.112 χ^2 /NDF:7475.7/22

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

Left In: 0.242 $\pm$ 0.113 χ^2 /NDF:6185.7/21

Left: 0.008 $\pm$ 0.079 χ^2 /NDF: 13669.8/44

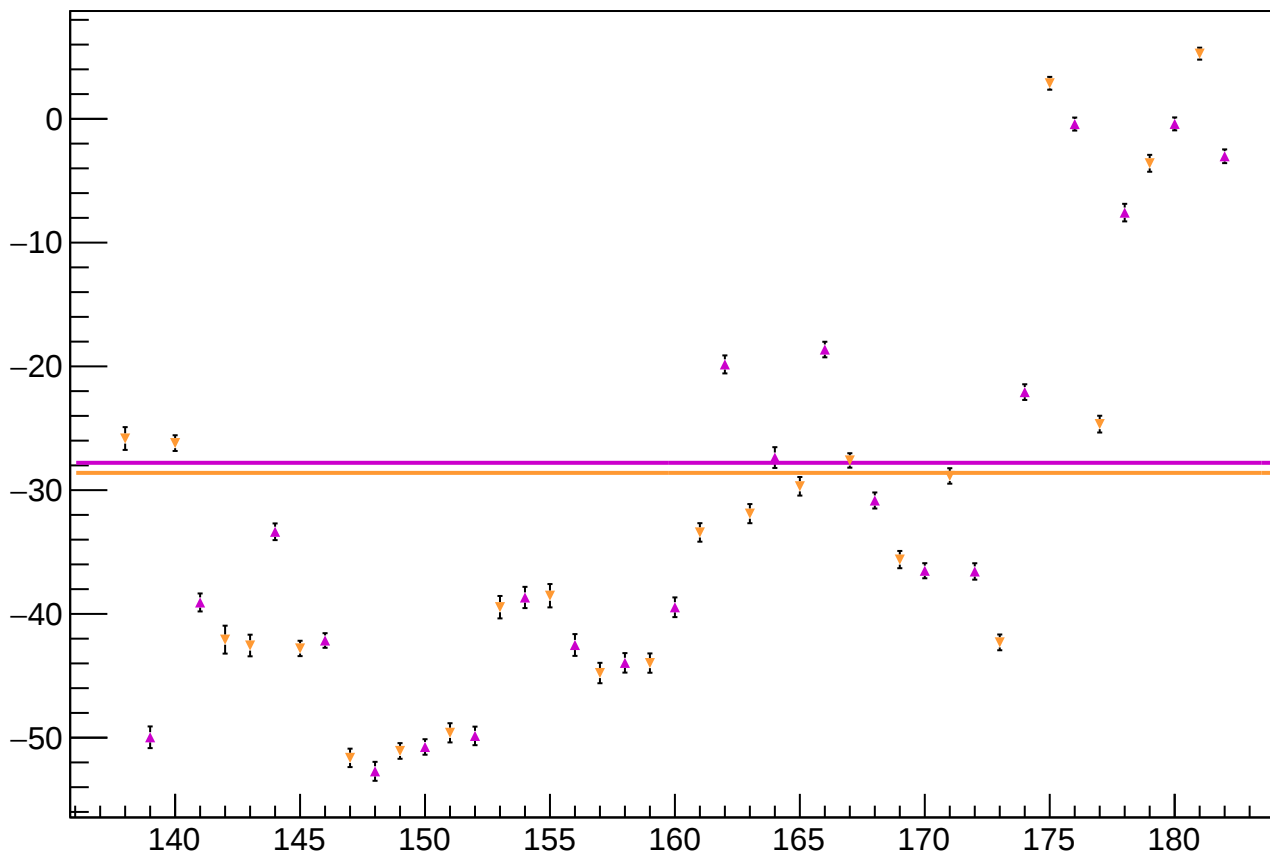
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.242 $\pm$ 0.113 χ^2 /NDF:6185.7/21

Out: -0.220 $\pm$ 0.112 χ^2 /NDF:7475.7/22

All: 0.008 $\pm$ 0.079 χ^2 /NDF: 13669.8/44

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -28.605 $\pm$ 0.145 χ^2 /NDF:15521.6/22

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

Left In: -27.791 $\pm$ 0.144 χ^2 /NDF:14964.8/21

Left: -28.194 $\pm$ 0.102 χ^2 /NDF: 30502.3/44

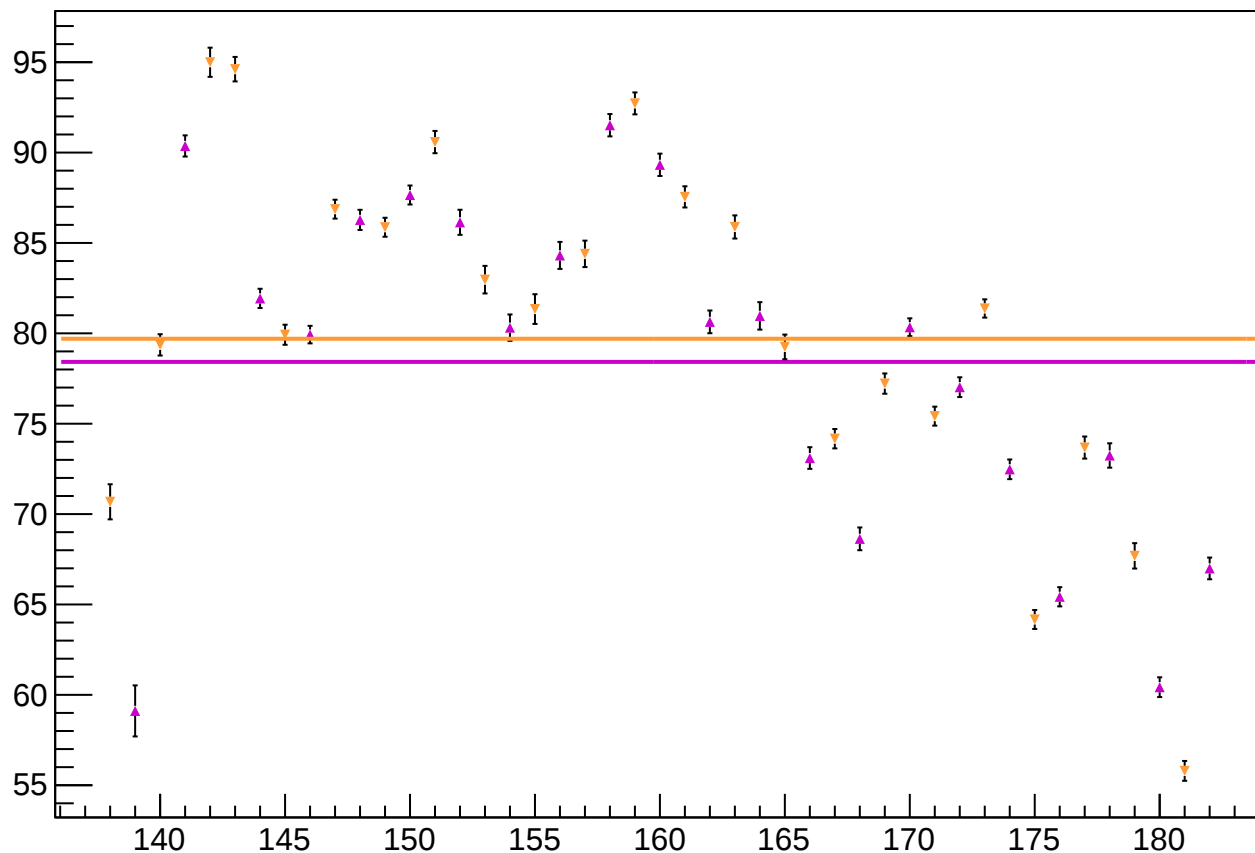
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -27.791 $\pm$ 0.144 χ^2 /NDF:14964.8/21

Out: -28.605 $\pm$ 0.145 χ^2 /NDF:15521.6/22

All: -28.194 $\pm$ 0.102 χ^2 /NDF: 30502.3/44

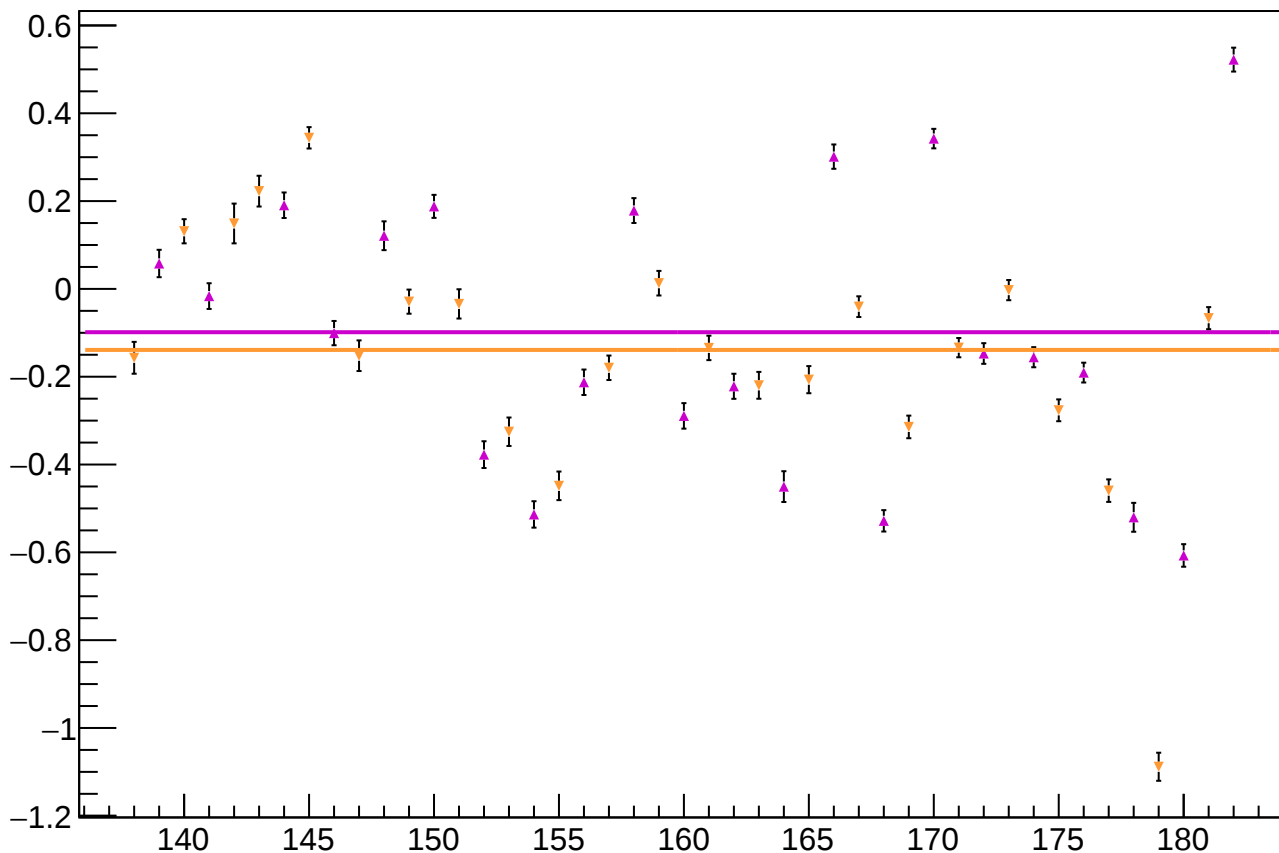
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 79.701 $\pm$ 0.127 χ^2 /NDF:5734.8/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 78.420 $\pm$ 0.128 χ^2 /NDF:4705.0/21

Left: 79.064 $\pm$ 0.090 χ^2 /NDF: 10490.4/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 78.420 $\pm$ 0.128 χ^2 /NDF:4705.0/21
 Out: 79.701 $\pm$ 0.127 χ^2 /NDF:5734.8/22
 All: 79.064 $\pm$ 0.090 χ^2 /NDF: 10490.4/44

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



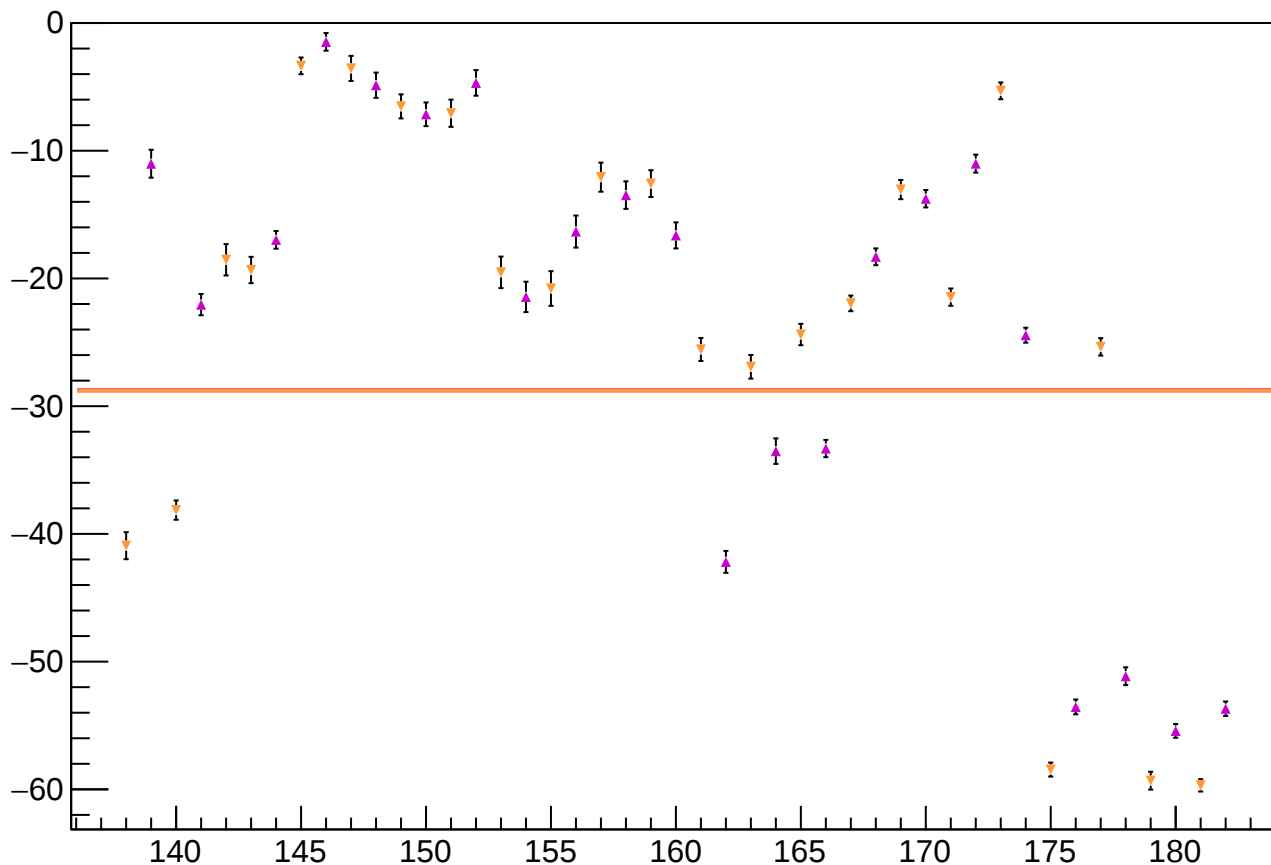
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.139 $\pm$ 0.006 χ^2 /NDF:2005.8/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.099 $\pm$ 0.006 χ^2 /NDF:2859.7/21

Left: -0.119 $\pm$ 0.004 χ^2 /NDF: 4889.3/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.099 $\pm$ 0.006 χ^2 /NDF:2859.7/21
 Out: -0.139 $\pm$ 0.006 χ^2 /NDF:2005.8/22

All: -0.119 $\pm$ 0.004 χ^2 /NDF: 4889.3/44

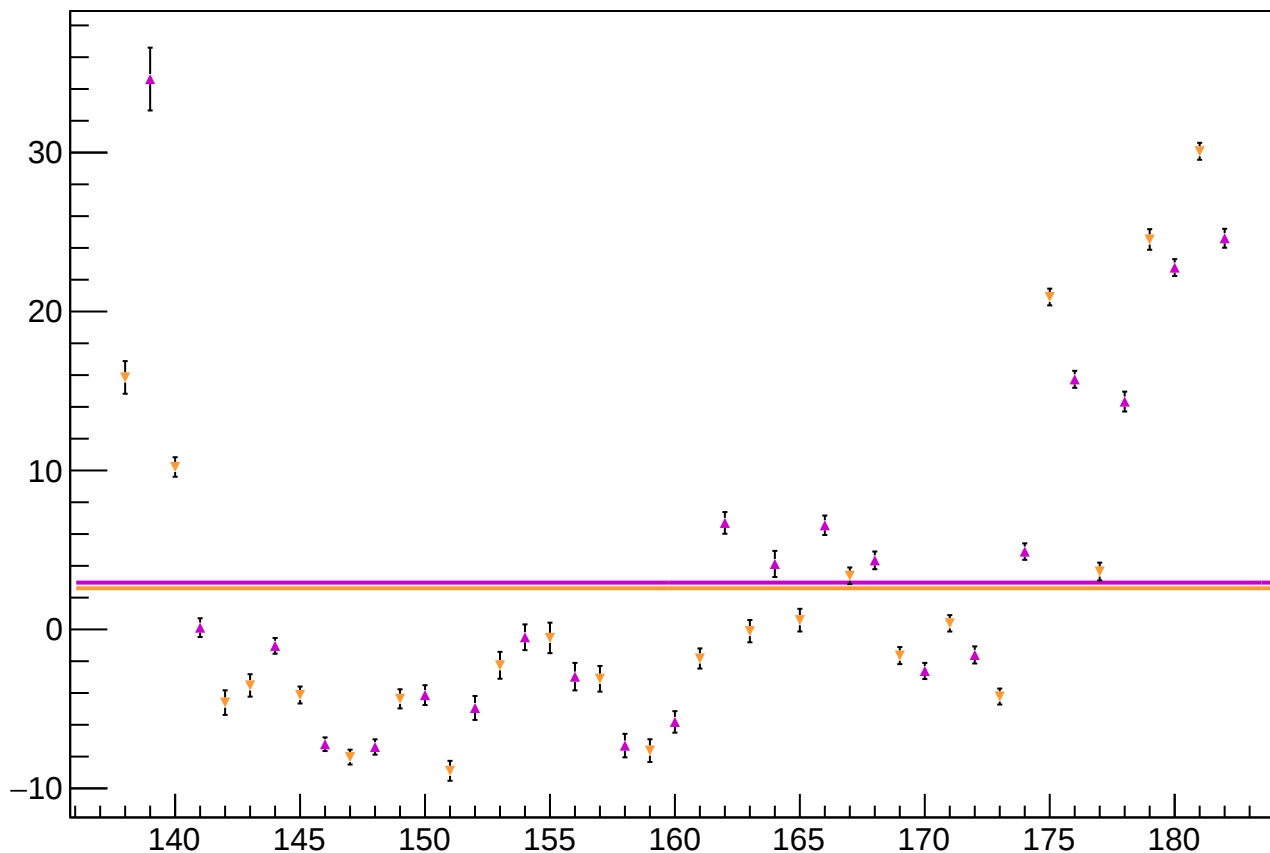
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -28.783+/-0.164 χ^2/NDF :15057.6/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -28.751+/-0.162 χ^2/NDF :13310.8/21

Left: -28.767+/-0.115 χ^2/NDF : 28368.4/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -28.751+/-0.162 χ^2/NDF :13310.8/21
 Out: -28.783+/-0.164 χ^2/NDF :15057.6/22
 All: -28.767+/-0.115 χ^2/NDF : 28368.4/44

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: 2.589+/-0.128 χ^2/NDF : 7278.9/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.946+/-0.128 χ^2/NDF : 5926.3/21

Left: 2.768+/-0.091 χ^2/NDF : 13209.1/44

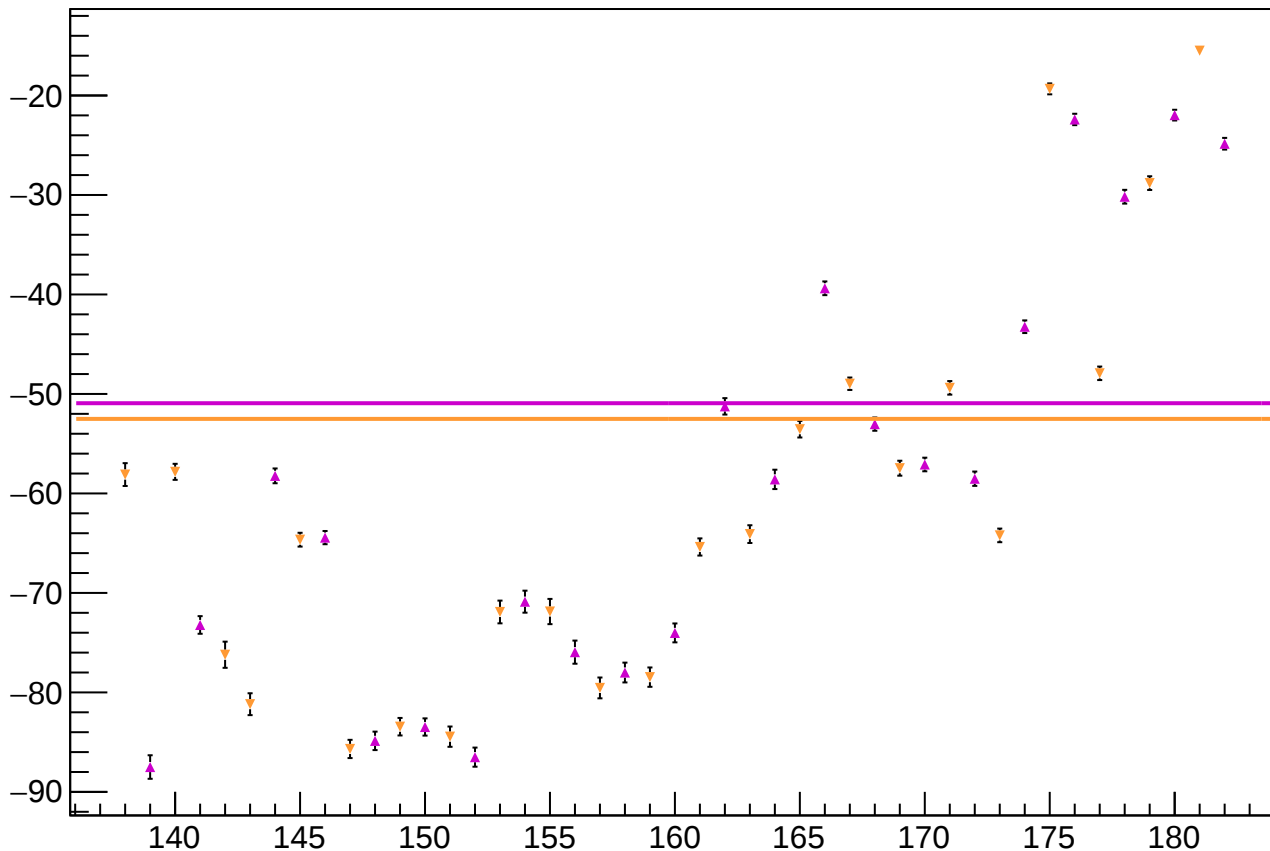
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2.946+/-0.128 χ^2/NDF : 5926.3/21

Out: 2.589+/-0.128 χ^2/NDF : 7278.9/22

All: 2.768+/-0.091 χ^2/NDF : 13209.1/44

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: -52.506+/-0.165 χ^2/NDF :17871.3/22

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

Left In: -50.931+/-0.162 χ^2/NDF :17258.4/21

Left: -51.704+/-0.115 χ^2/NDF : 35176.2/44

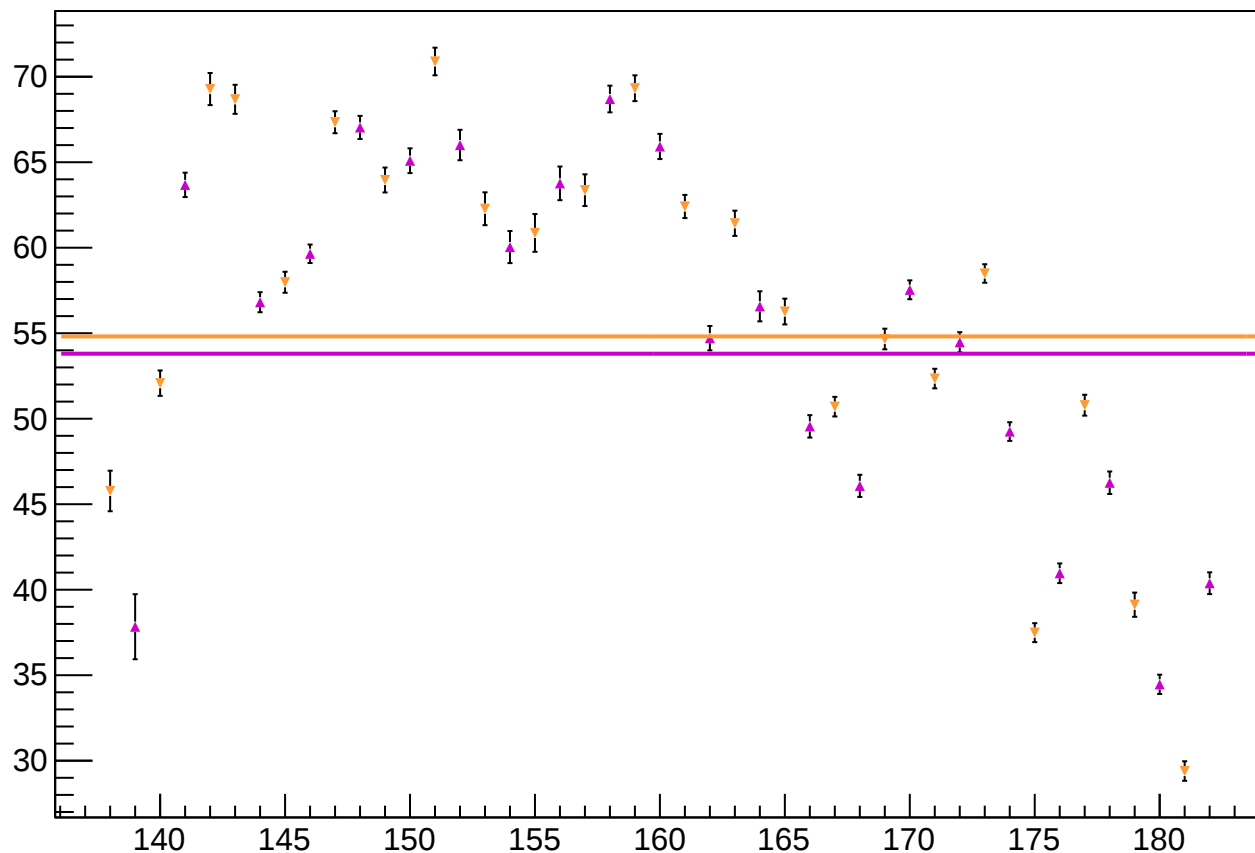
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -50.931+/-0.162 χ^2/NDF :17258.4/21

Out: -52.506+/-0.165 χ^2/NDF :17871.3/22

All: -51.704+/-0.115 χ^2/NDF : 35176.2/44

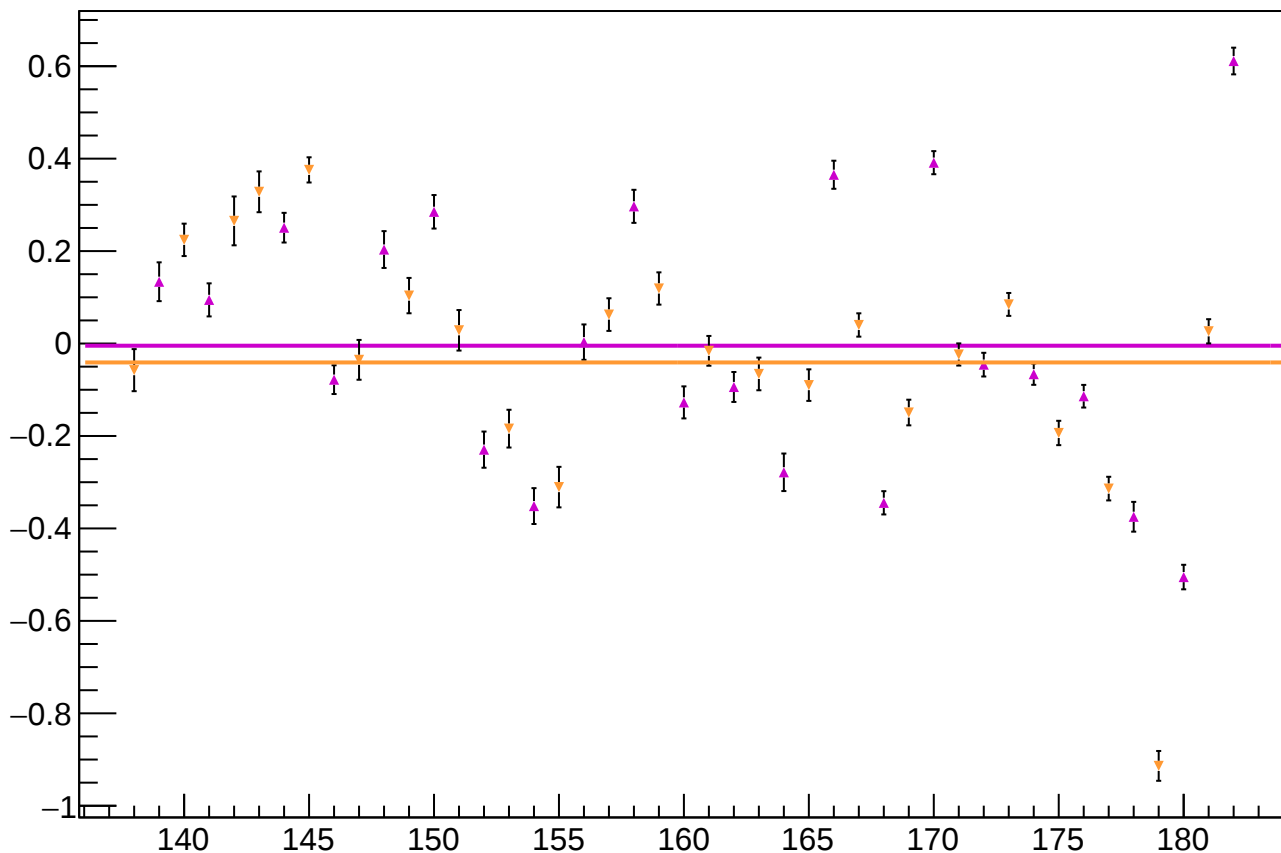
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 54.813 $\pm$ 0.145 χ^2/NDF :5903.0/22
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 53.802 $\pm$ 0.144 χ^2/NDF :4567.7/21

Left: 54.304 $\pm$ 0.102 χ^2/NDF : 10495.2/44
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 53.802 $\pm$ 0.144 χ^2/NDF :4567.7/21
 Out: 54.813 $\pm$ 0.145 χ^2/NDF :5903.0/22
 All: 54.304 $\pm$ 0.102 χ^2/NDF : 10495.2/44

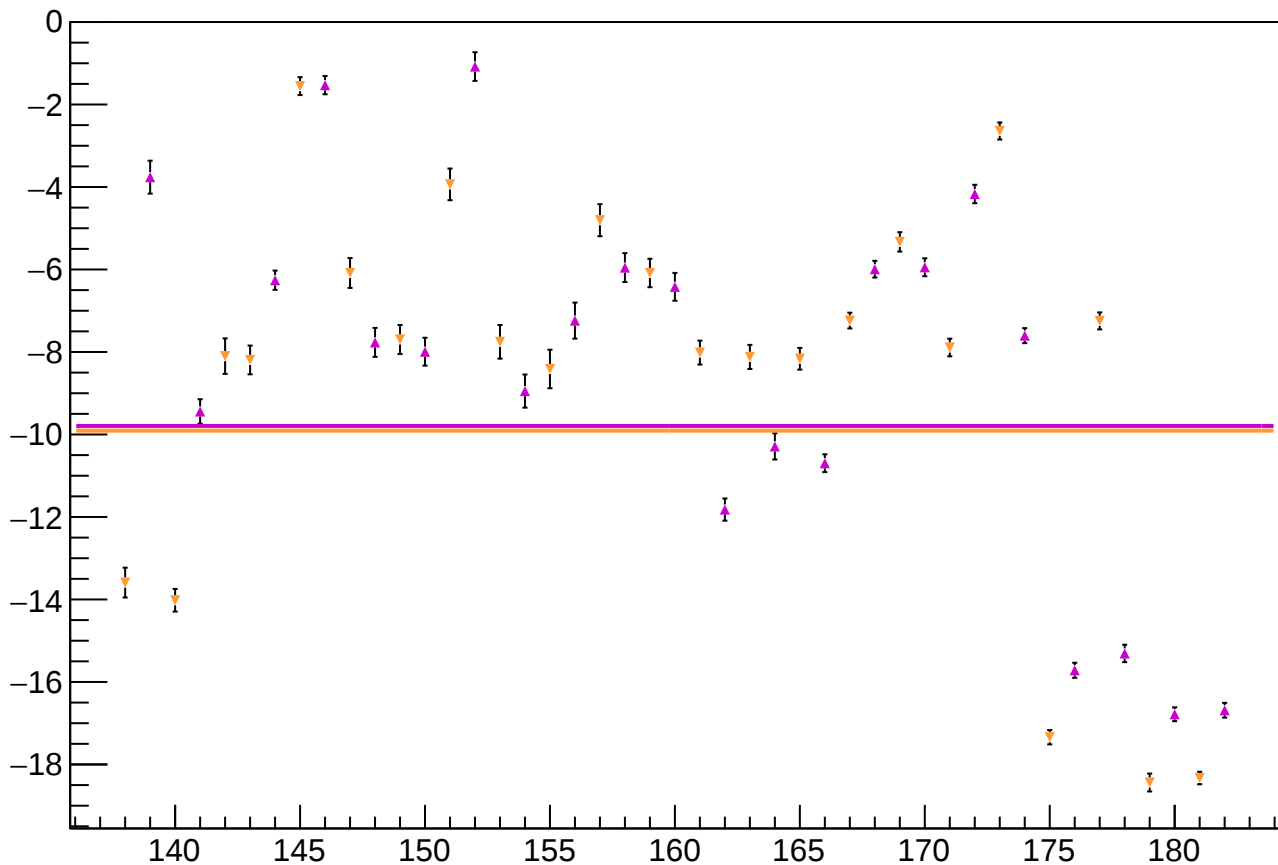
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.041+/-0.007 χ^2/NDF :1432.0/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.005+/-0.007 χ^2/NDF :1982.3/21

Left: -0.023+/-0.005 χ^2/NDF : 3429.0/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.005+/-0.007 χ^2/NDF :1982.3/21
 Out: -0.041+/-0.007 χ^2/NDF :1432.0/22
 All: -0.023+/-0.005 χ^2/NDF : 3429.0/44

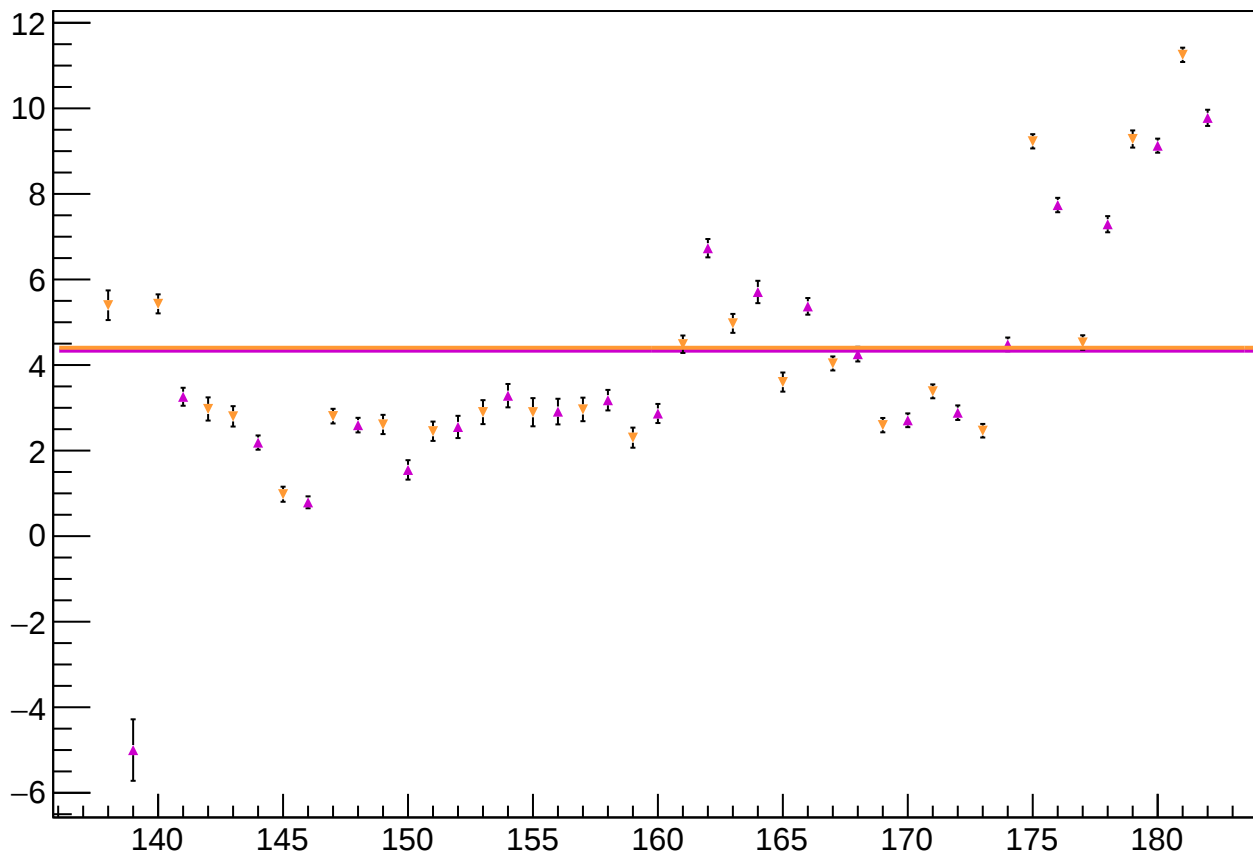
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -9.907 $\pm$ 0.053 χ^2 /NDF:11198.4/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -9.793 $\pm$ 0.052 χ^2 /NDF:9263.6/21

Left: -9.849 $\pm$ 0.037 χ^2 /NDF: 20464.3/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -9.793 $\pm$ 0.052 χ^2 /NDF:9263.6/21
 Out: -9.907 $\pm$ 0.053 χ^2 /NDF:11198.4/22
 All: -9.849 $\pm$ 0.037 χ^2 /NDF: 20464.3/44

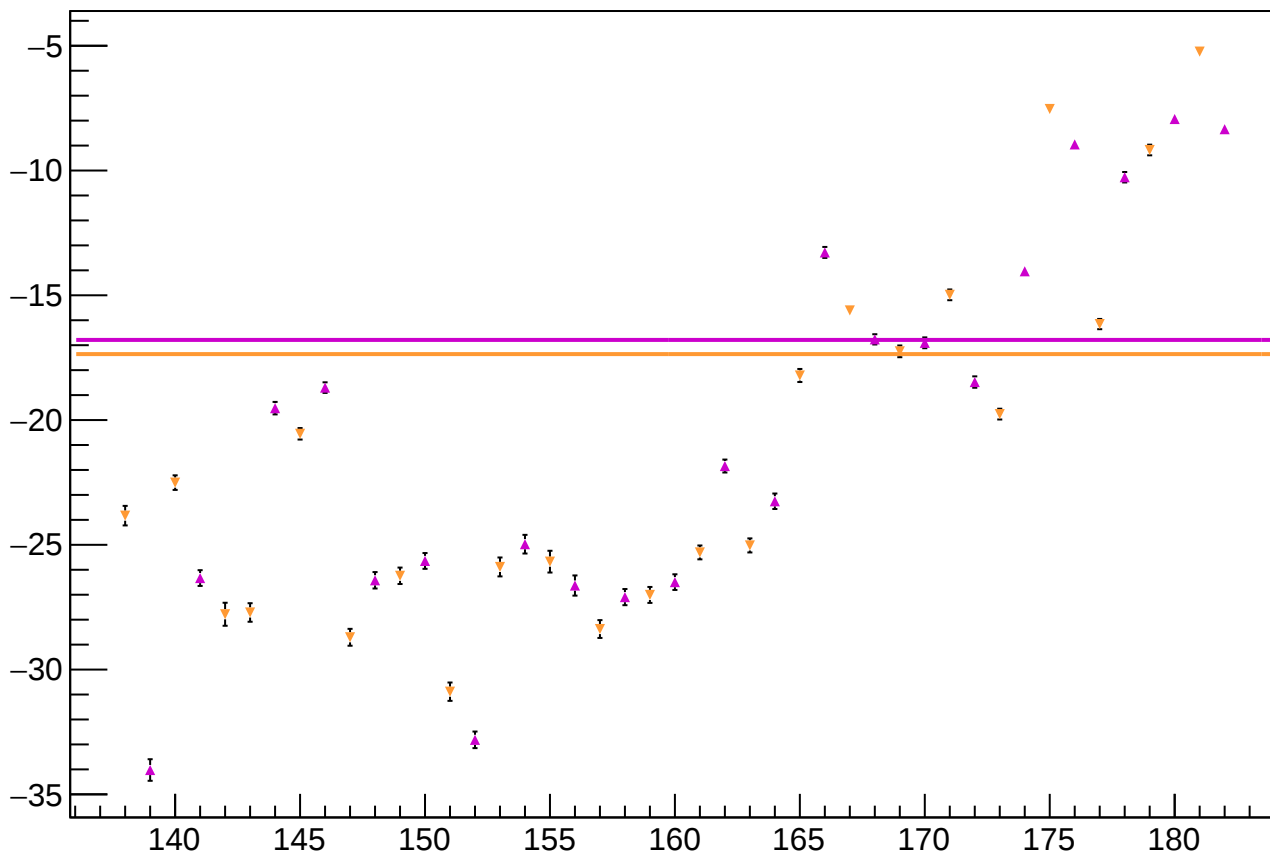
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.404 $\pm$ 0.042 χ^2 /NDF:4291.1/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.336 $\pm$ 0.042 χ^2 /NDF:4097.3/21

Left: 4.370 $\pm$ 0.030 χ^2 /NDF: 8389.6/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.336 $\pm$ 0.042 χ^2 /NDF:4097.3/21
 Out: 4.404 $\pm$ 0.042 χ^2 /NDF:4291.1/22
 All: 4.370 $\pm$ 0.030 χ^2 /NDF: 8389.6/44

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: -17.357+/-0.053 χ^2/NDF :20460.6/22

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

Left In: -16.788+/-0.052 χ^2/NDF :18722.6/21

Left: -17.065+/-0.037 χ^2/NDF : 39241.2/44

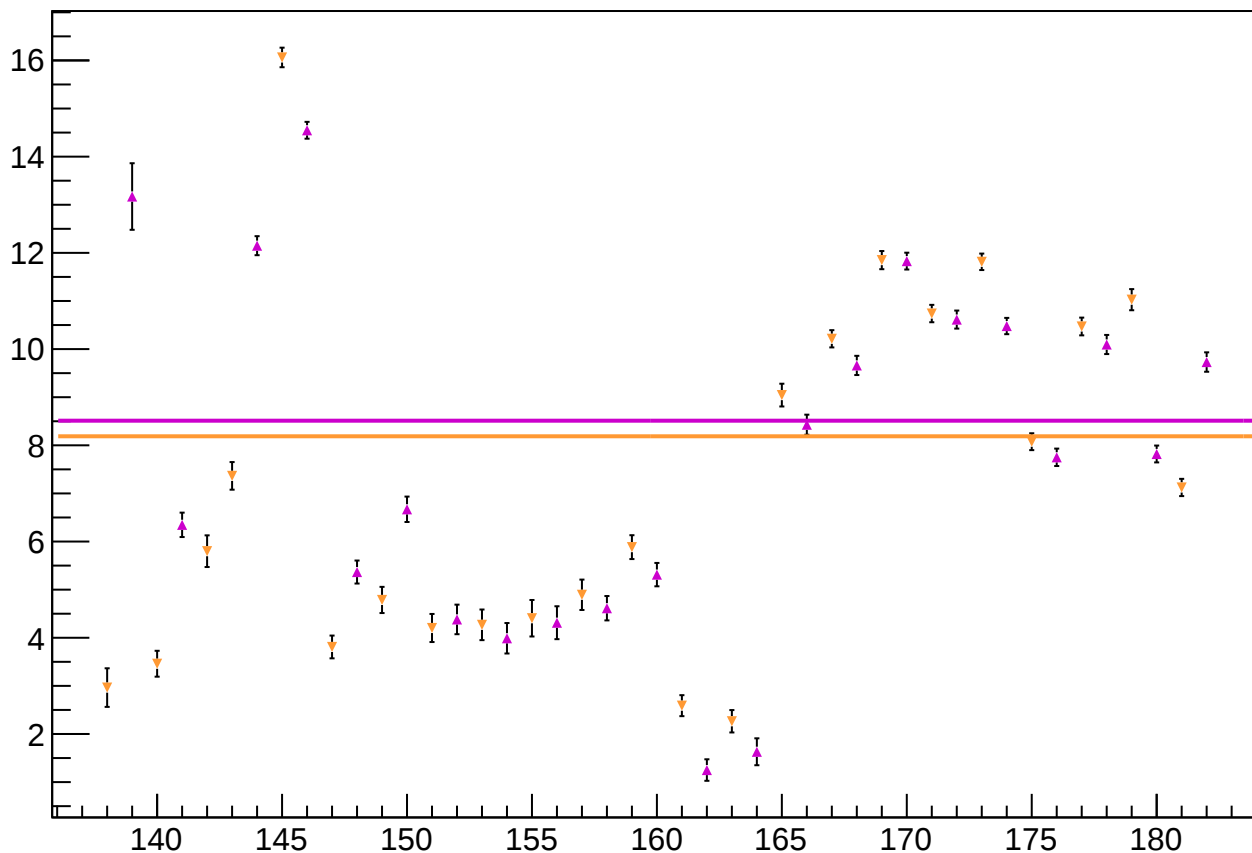
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -16.788+/-0.052 χ^2/NDF :18722.6/21

Out: -17.357+/-0.053 χ^2/NDF :20460.6/22

All: -17.065+/-0.037 χ^2/NDF : 39241.2/44

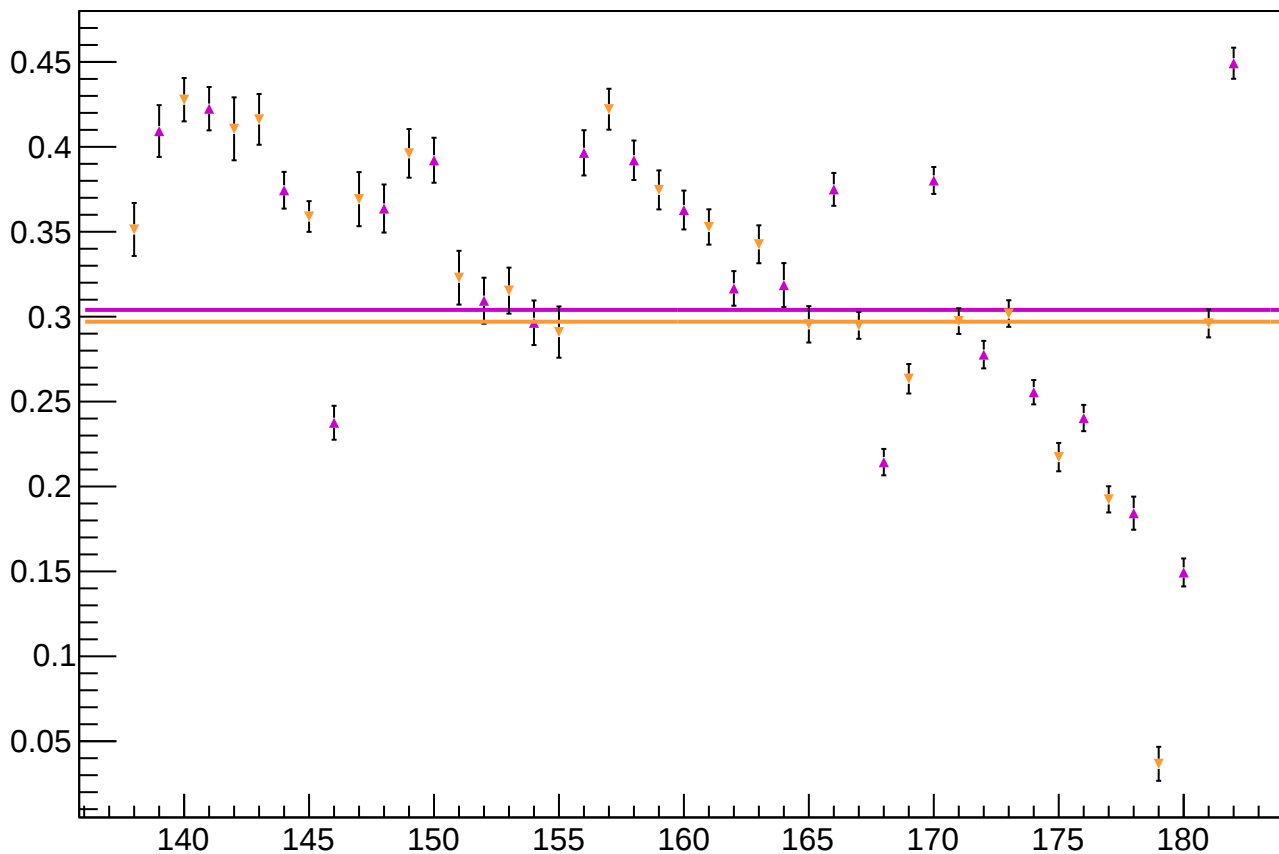
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.188+/-0.047 χ^2/NDF :6001.7/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.512+/-0.047 χ^2/NDF :5262.9/21

Left: 8.352+/-0.033 χ^2/NDF : 11288.5/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.512+/-0.047 χ^2/NDF :5262.9/21
 Out: 8.188+/-0.047 χ^2/NDF :6001.7/22
 All: 8.352+/-0.033 χ^2/NDF : 11288.5/44

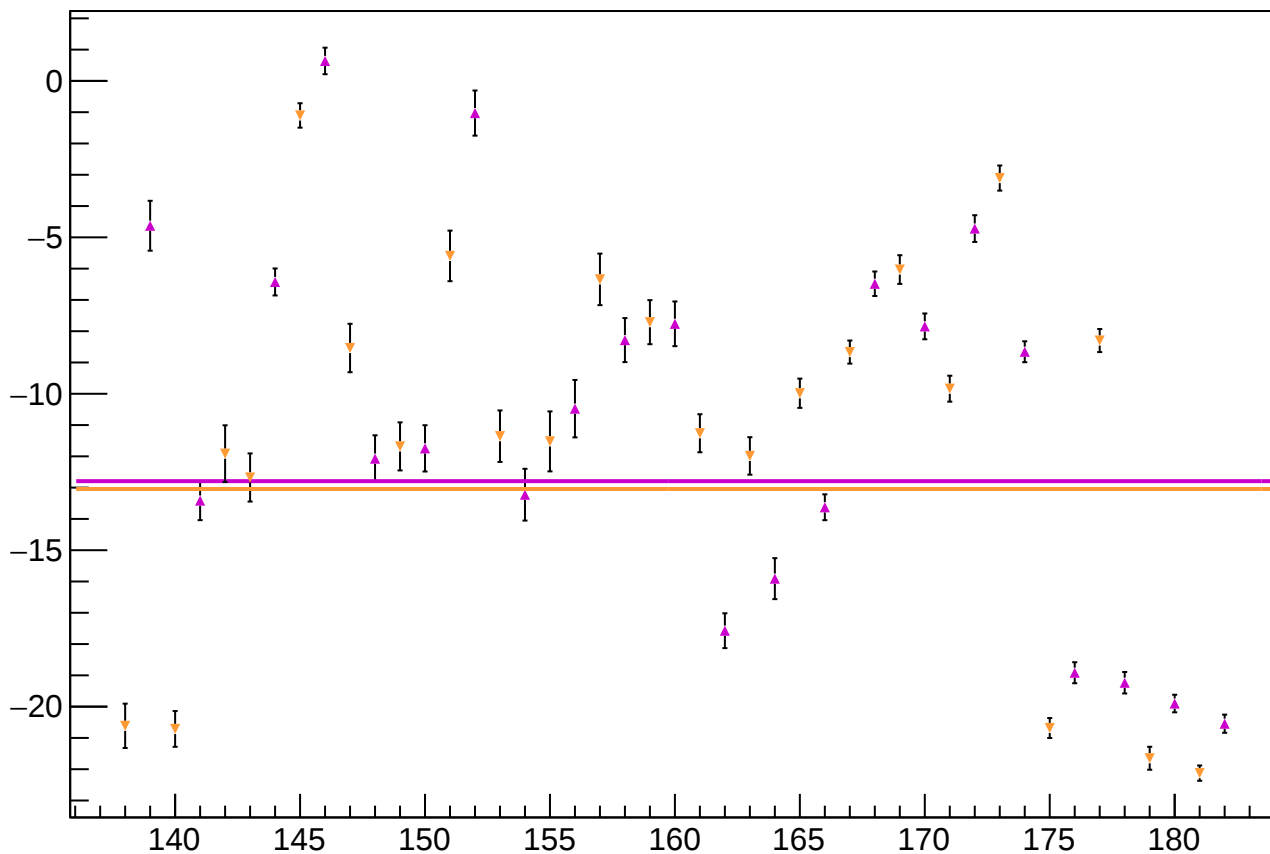
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.297+/-0.002 χ^2/NDF :1505.1/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.304+/-0.002 χ^2/NDF :1576.4/21

Left: 0.301+/-0.002 χ^2/NDF : 3086.7/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.304+/-0.002 χ^2/NDF :1576.4/21
 Out: 0.297+/-0.002 χ^2/NDF :1505.1/22
 All: 0.301+/-0.002 χ^2/NDF : 3086.7/44

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected

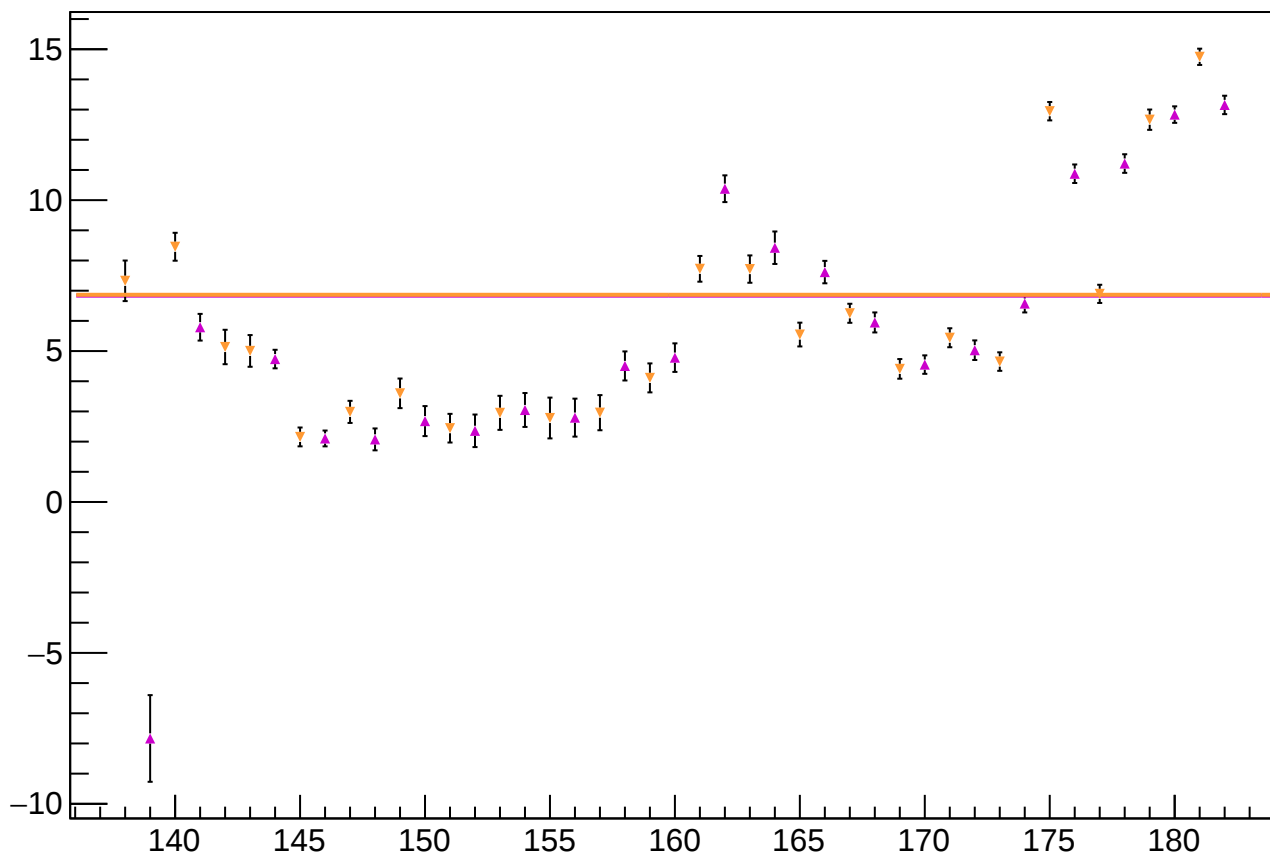


Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -13.043 $\pm$ 0.100 χ^2 /NDF:5251.8/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -12.793 $\pm$ 0.097 χ^2 /NDF:4744.4/21

Left: -12.914 $\pm$ 0.069 χ^2 /NDF: 9999.4/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -12.793 $\pm$ 0.097 χ^2 /NDF:4744.4/21
 Out: -13.043 $\pm$ 0.100 χ^2 /NDF:5251.8/22

All: -12.914 $\pm$ 0.069 χ^2 /NDF: 9999.4/44

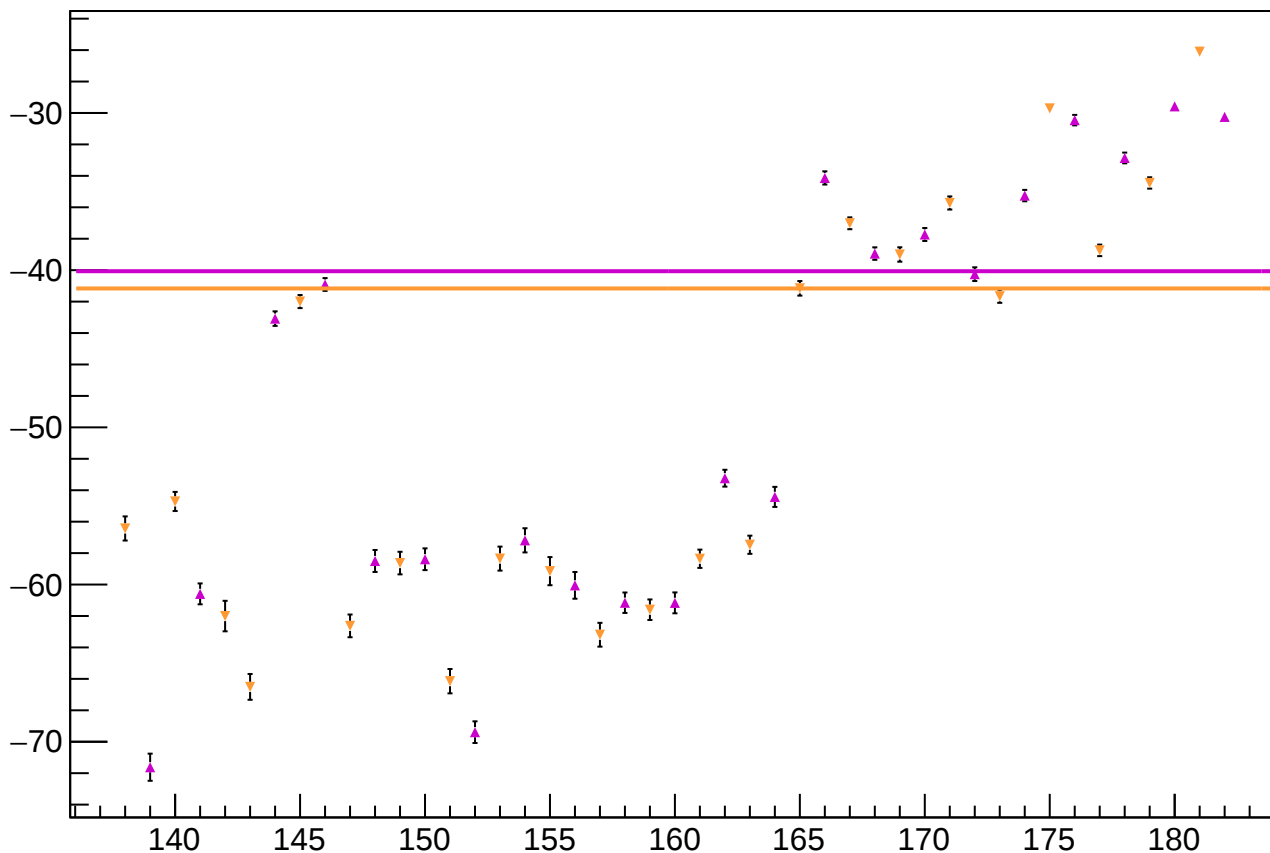
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 6.865 $\pm$ 0.081 χ^2 /NDF:2370.9/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 6.836 $\pm$ 0.079 χ^2 /NDF:2378.7/21

Left: 6.850 $\pm$ 0.056 χ^2 /NDF: 4749.7/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 6.836 $\pm$ 0.079 χ^2 /NDF:2378.7/21
 Out: 6.865 $\pm$ 0.081 χ^2 /NDF:2370.9/22
 All: 6.850 $\pm$ 0.056 χ^2 /NDF: 4749.7/44

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -41.164+/-0.100 χ^2/NDF :14714.8/22

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

Left In: -40.066+/-0.097 χ^2/NDF :13926.7/21

Left: -40.596+/-0.070 χ^2/NDF : 28703.5/44

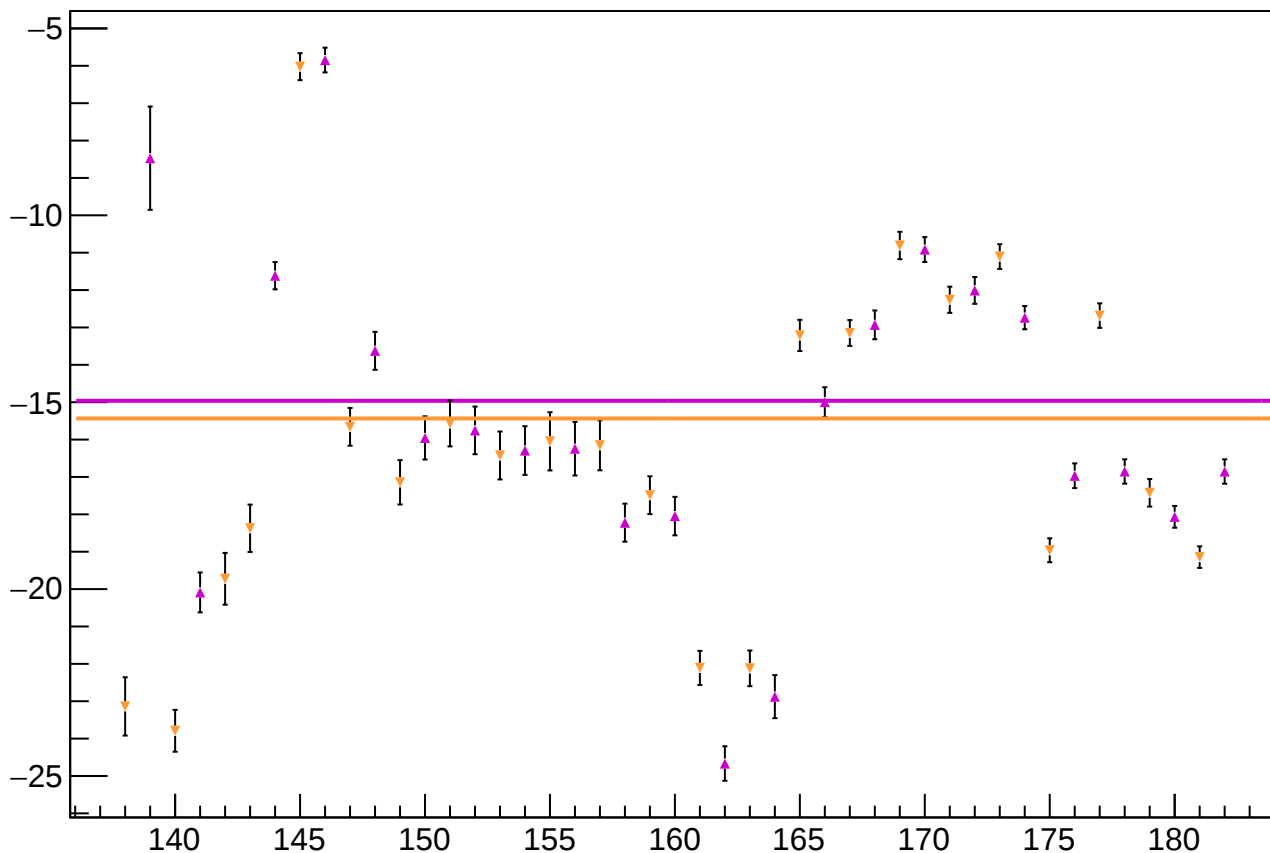
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -40.066+/-0.097 χ^2/NDF :13926.7/21

Out: -41.164+/-0.100 χ^2/NDF :14714.8/22

All: -40.596+/-0.070 χ^2/NDF : 28703.5/44

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: -15.435+/-0.090 χ^2/NDF :2372.5/22

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

Left In: -14.962+/-0.088 χ^2/NDF :2195.7/21

Left: -15.192+/-0.063 χ^2/NDF : 4582.3/44

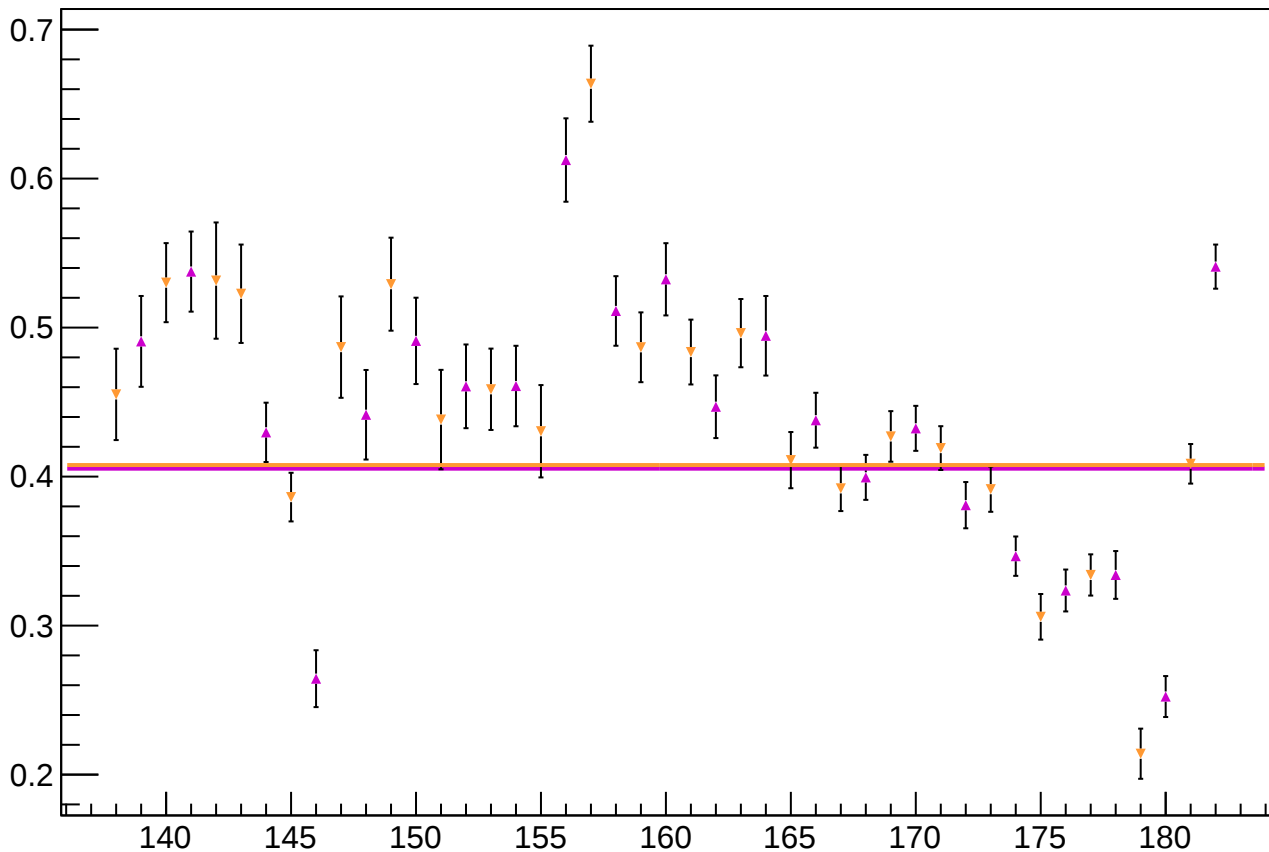
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.962+/-0.088 χ^2/NDF :2195.7/21

Out: -15.435+/-0.090 χ^2/NDF :2372.5/22

All: -15.192+/-0.063 χ^2/NDF : 4582.3/44

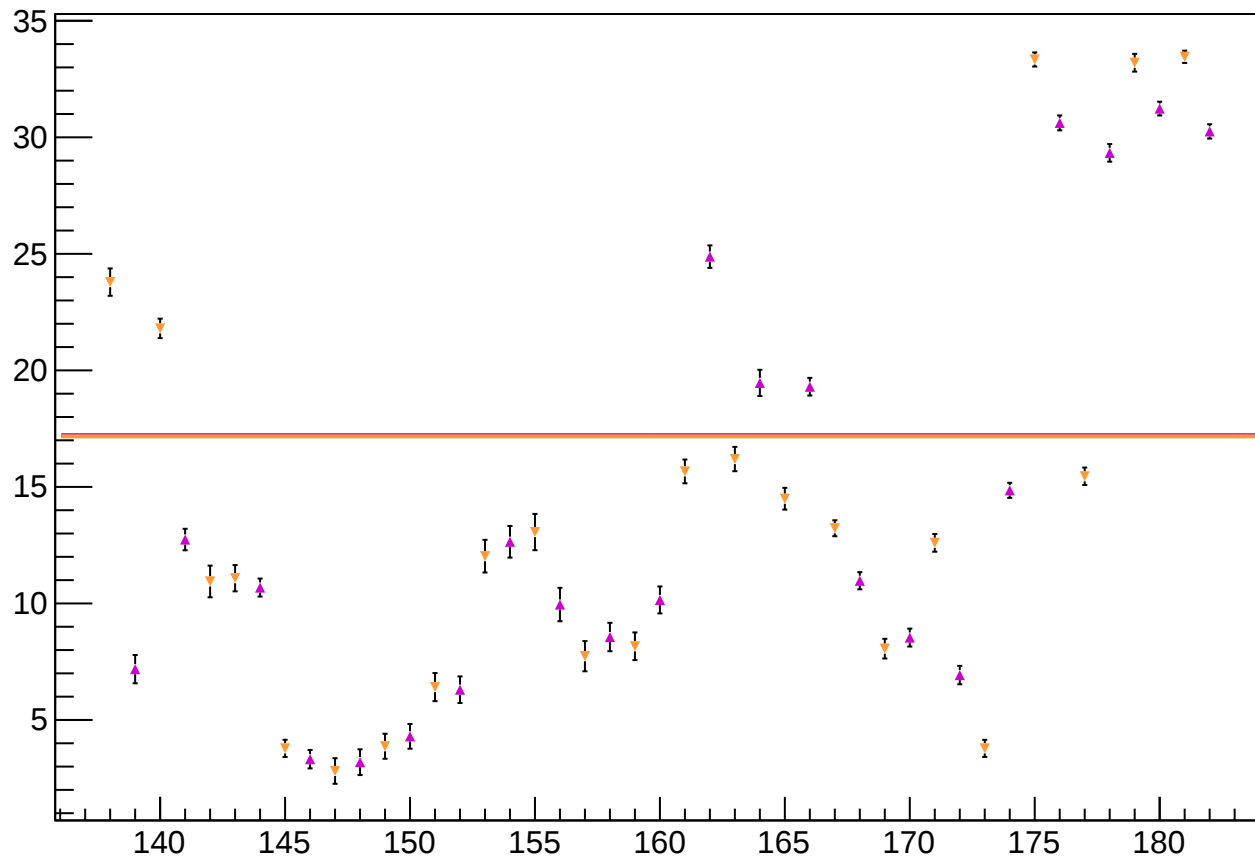
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.408 $\pm$ 0.004 χ^2 /NDF:421.2/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.405 $\pm$ 0.004 χ^2 /NDF:514.2/21

Left: 0.407 $\pm$ 0.003 χ^2 /NDF: 935.7/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.405 $\pm$ 0.004 χ^2 /NDF:514.2/21
 Out: 0.408 $\pm$ 0.004 χ^2 /NDF:421.2/22
 All: 0.407 $\pm$ 0.003 χ^2 /NDF: 935.7/44

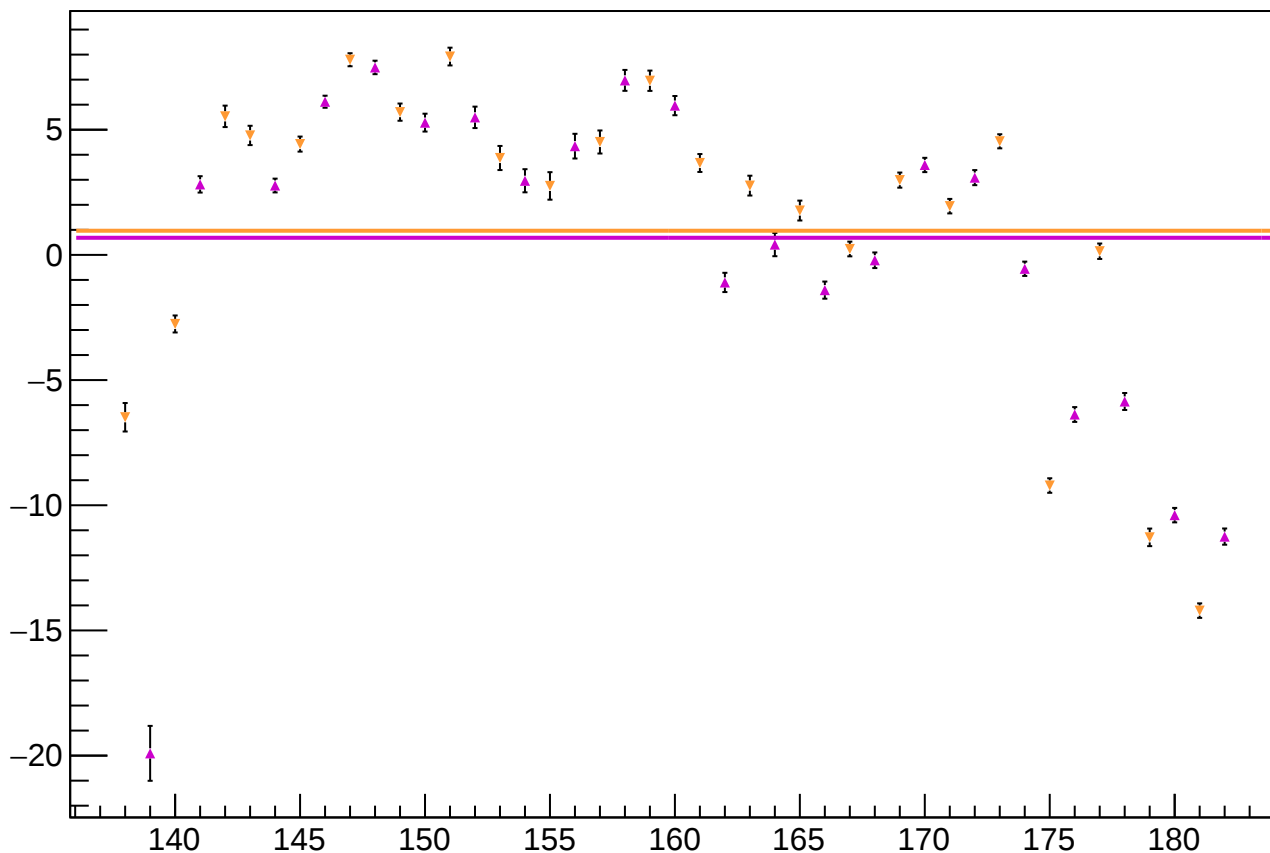
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 17.169+/-0.091 χ^2/NDF :14504.4/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 17.220+/-0.090 χ^2/NDF :12650.2/21

Left: 17.195+/-0.064 χ^2/NDF : 27154.7/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 17.220+/-0.090 χ^2/NDF :12650.2/21
 Out: 17.169+/-0.091 χ^2/NDF :14504.4/22
 All: 17.195+/-0.064 χ^2/NDF : 27154.7/44

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: 0.965 $\pm$ 0.072 χ^2 /NDF:7714.8/22

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

Left In: 0.684 $\pm$ 0.071 χ^2 /NDF:6406.8/21

Left: 0.824 $\pm$ 0.051 χ^2 /NDF: 14129.3/44

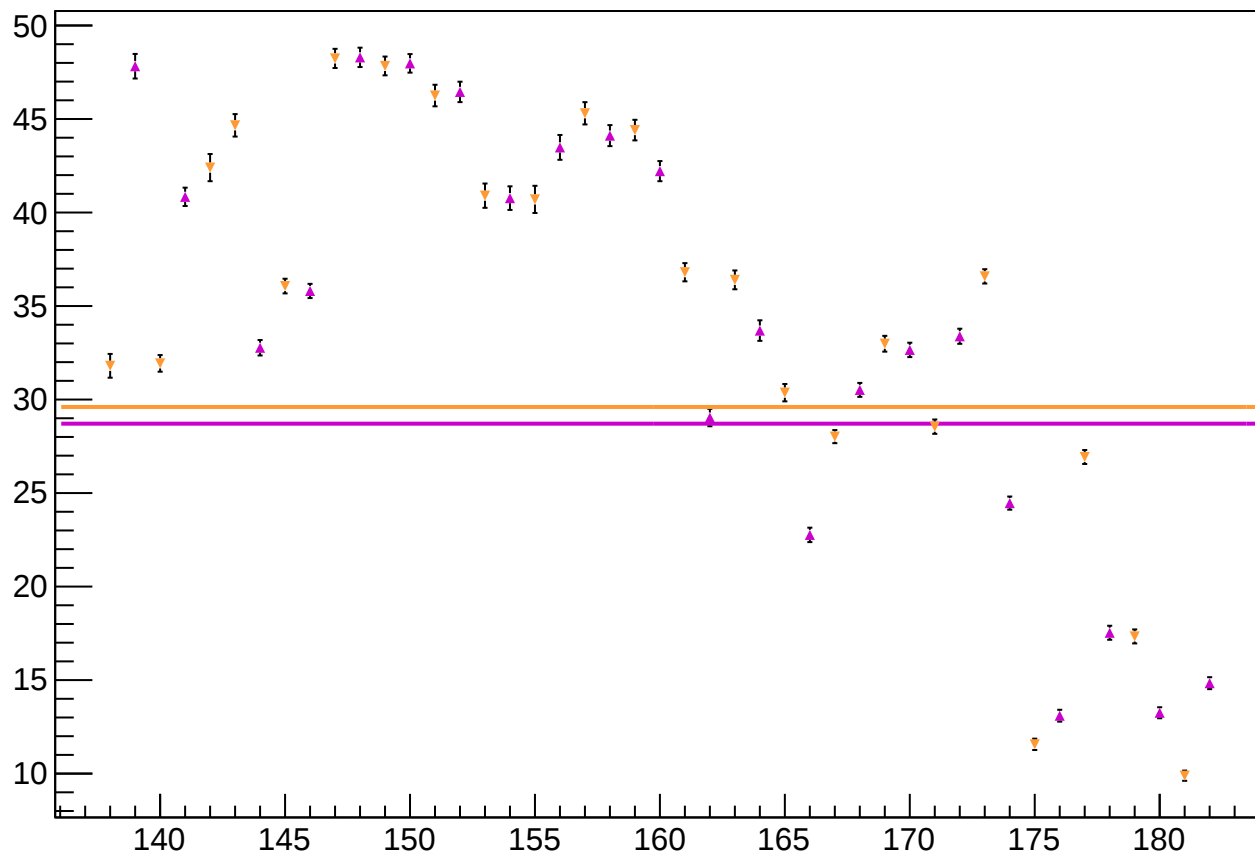
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.684 $\pm$ 0.071 χ^2 /NDF:6406.8/21

Out: 0.965 $\pm$ 0.072 χ^2 /NDF:7714.8/22

All: 0.824 $\pm$ 0.051 χ^2 /NDF: 14129.3/44

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: 29.603+/-0.092 χ^2/NDF :17365.4/22

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

Left In: 28.710+/-0.090 χ^2/NDF :16837.0/21

Left: 29.148+/-0.064 χ^2/NDF : 34250.6/44

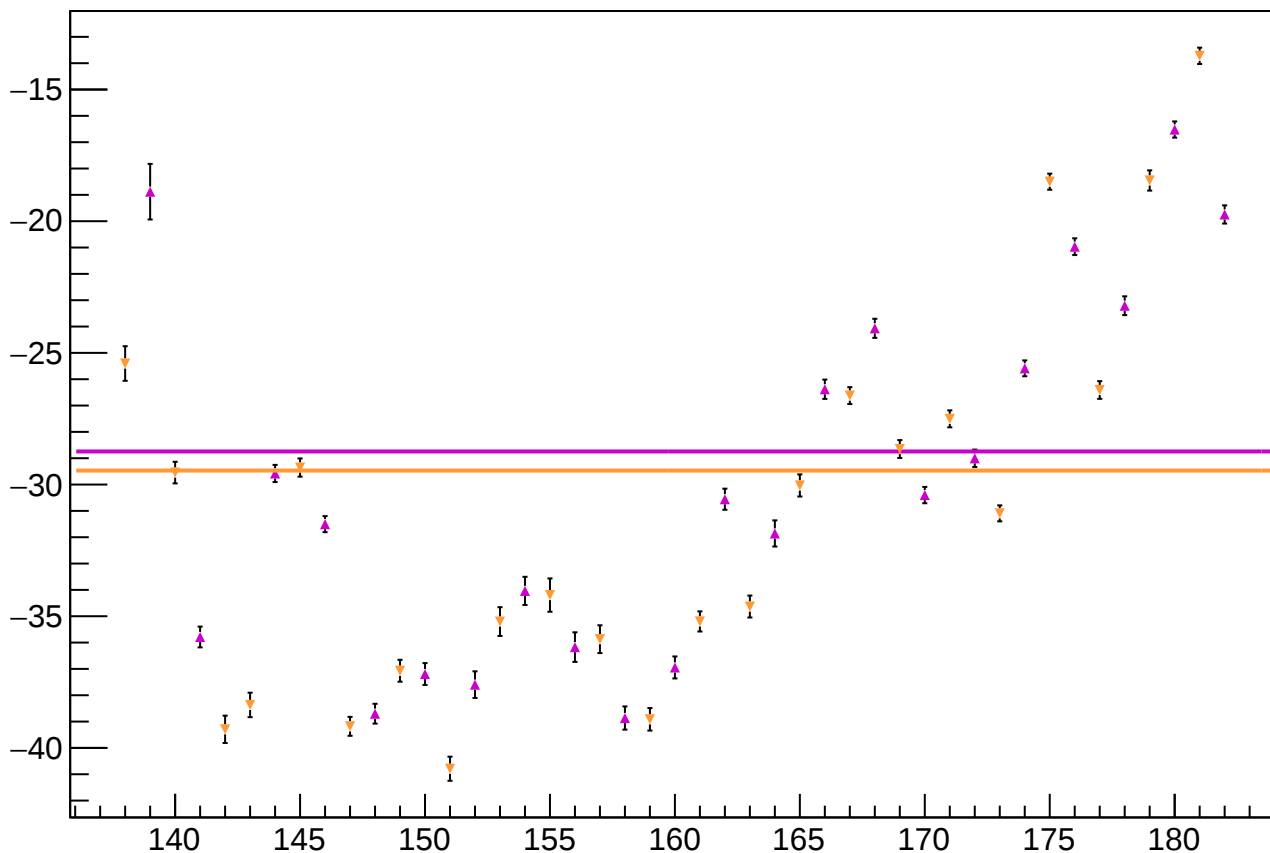
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 28.710+/-0.090 χ^2/NDF :16837.0/21

Out: 29.603+/-0.092 χ^2/NDF :17365.4/22

All: 29.148+/-0.064 χ^2/NDF : 34250.6/44

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -29.468 $\pm$ 0.081 χ^2 /NDF:8546.6/22

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

Left In: -28.743 $\pm$ 0.080 χ^2 /NDF:6608.5/21

Left: -29.103 $\pm$ 0.057 χ^2 /NDF: 15195.3/44

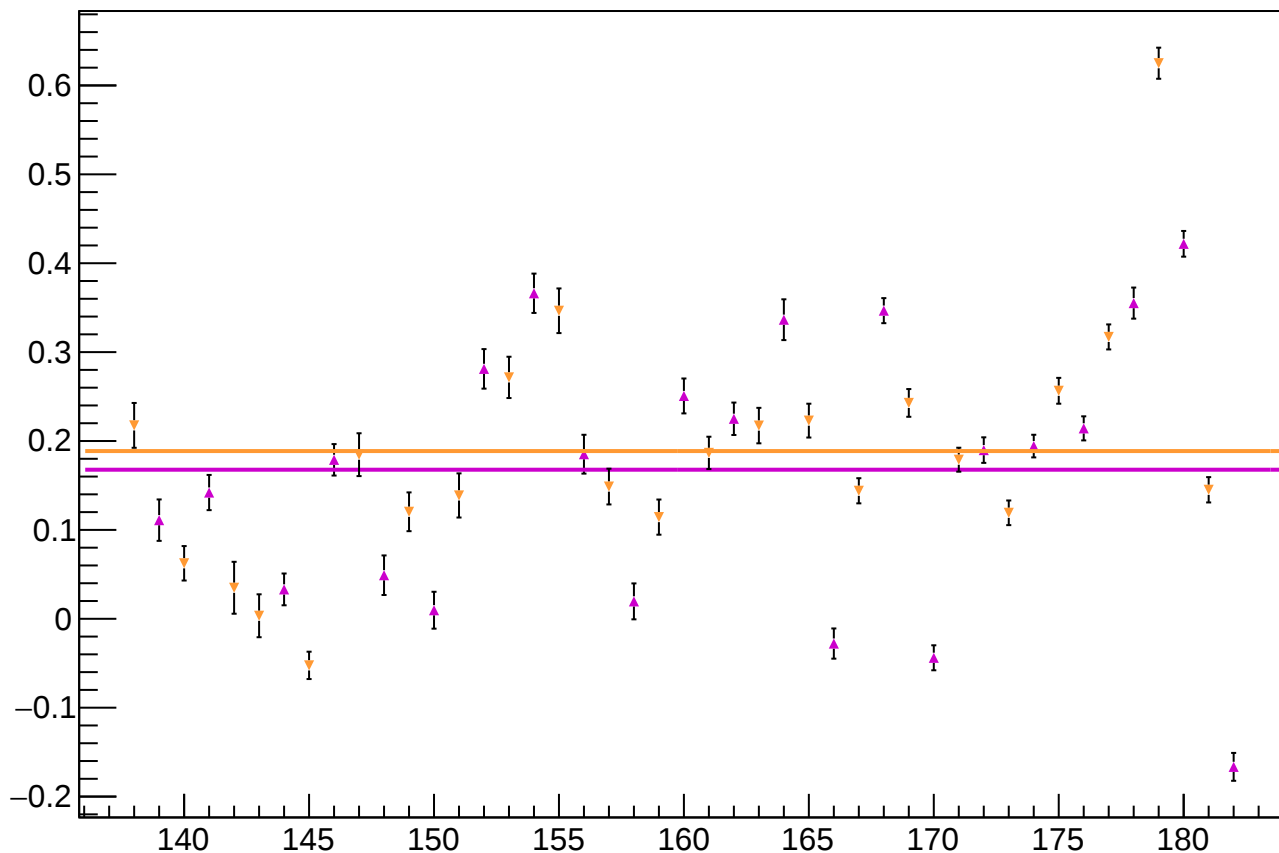
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -28.743 $\pm$ 0.080 χ^2 /NDF:6608.5/21

Out: -29.468 $\pm$ 0.081 χ^2 /NDF:8546.6/22

All: -29.103 $\pm$ 0.057 χ^2 /NDF: 15195.3/44

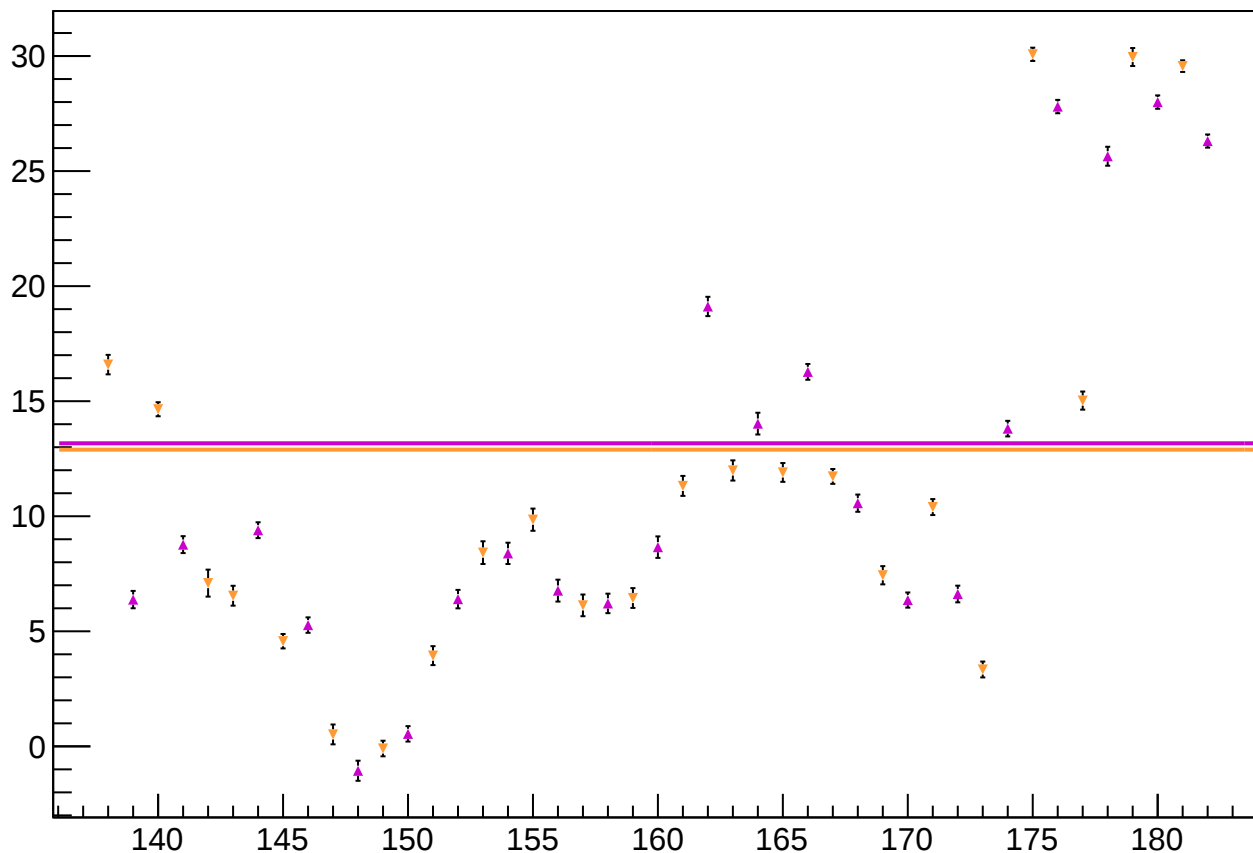
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.189 $\pm$ 0.004 χ^2 /NDF:1249.6/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.168 $\pm$ 0.004 χ^2 /NDF:1810.7/21

Left: 0.178 $\pm$ 0.003 χ^2 /NDF: 3076.2/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.168 $\pm$ 0.004 χ^2 /NDF:1810.7/21
 Out: 0.189 $\pm$ 0.004 χ^2 /NDF:1249.6/22
 All: 0.178 $\pm$ 0.003 χ^2 /NDF: 3076.2/44

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 12.894 $\pm$ 0.078 χ^2 /NDF:15291.6/22

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

Left In: 13.170 $\pm$ 0.078 χ^2 /NDF:13821.4/21

Left: 13.033 $\pm$ 0.055 χ^2 /NDF: 29119.2/44

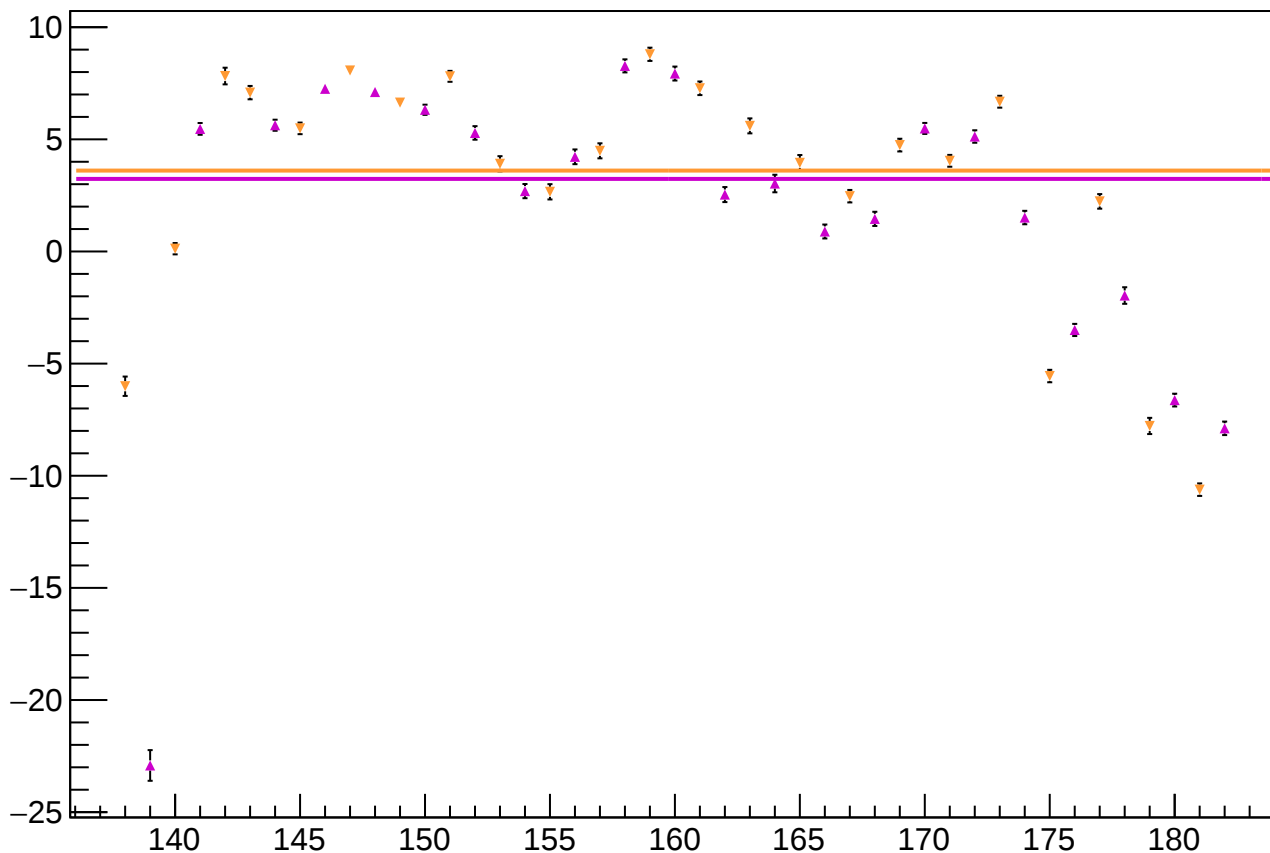
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 13.170 $\pm$ 0.078 χ^2 /NDF:13821.4/21

Out: 12.894 $\pm$ 0.078 χ^2 /NDF:15291.6/22

All: 13.033 $\pm$ 0.055 χ^2 /NDF: 29119.2/44

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: 3.607 $\pm$ 0.060 χ^2 /NDF:7321.9/22

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

Left In: 3.236 $\pm$ 0.061 χ^2 /NDF:6706.6/21

Left: 3.424 $\pm$ 0.043 χ^2 /NDF: 14047.4/44

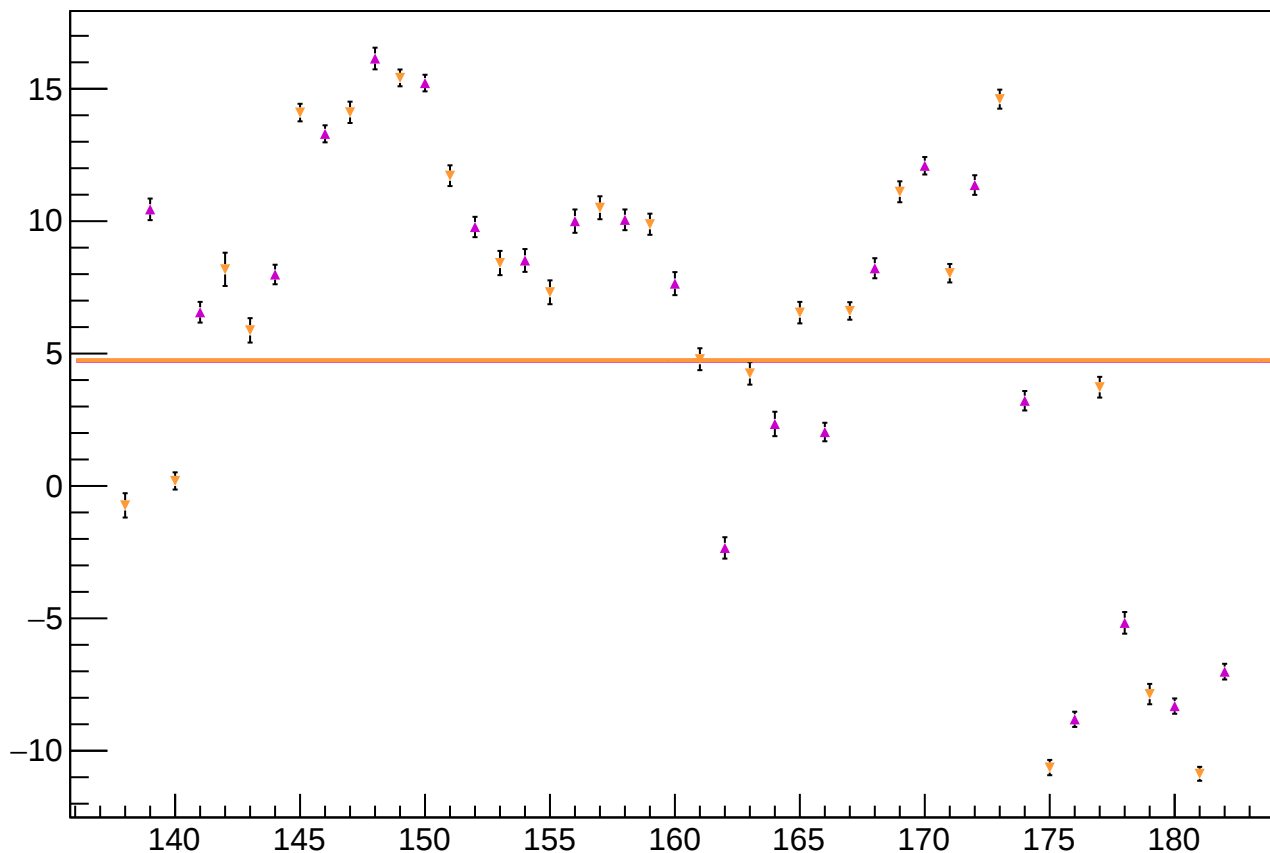
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 3.236 $\pm$ 0.061 χ^2 /NDF:6706.6/21

Out: 3.607 $\pm$ 0.060 χ^2 /NDF:7321.9/22

All: 3.424 $\pm$ 0.043 χ^2 /NDF: 14047.4/44

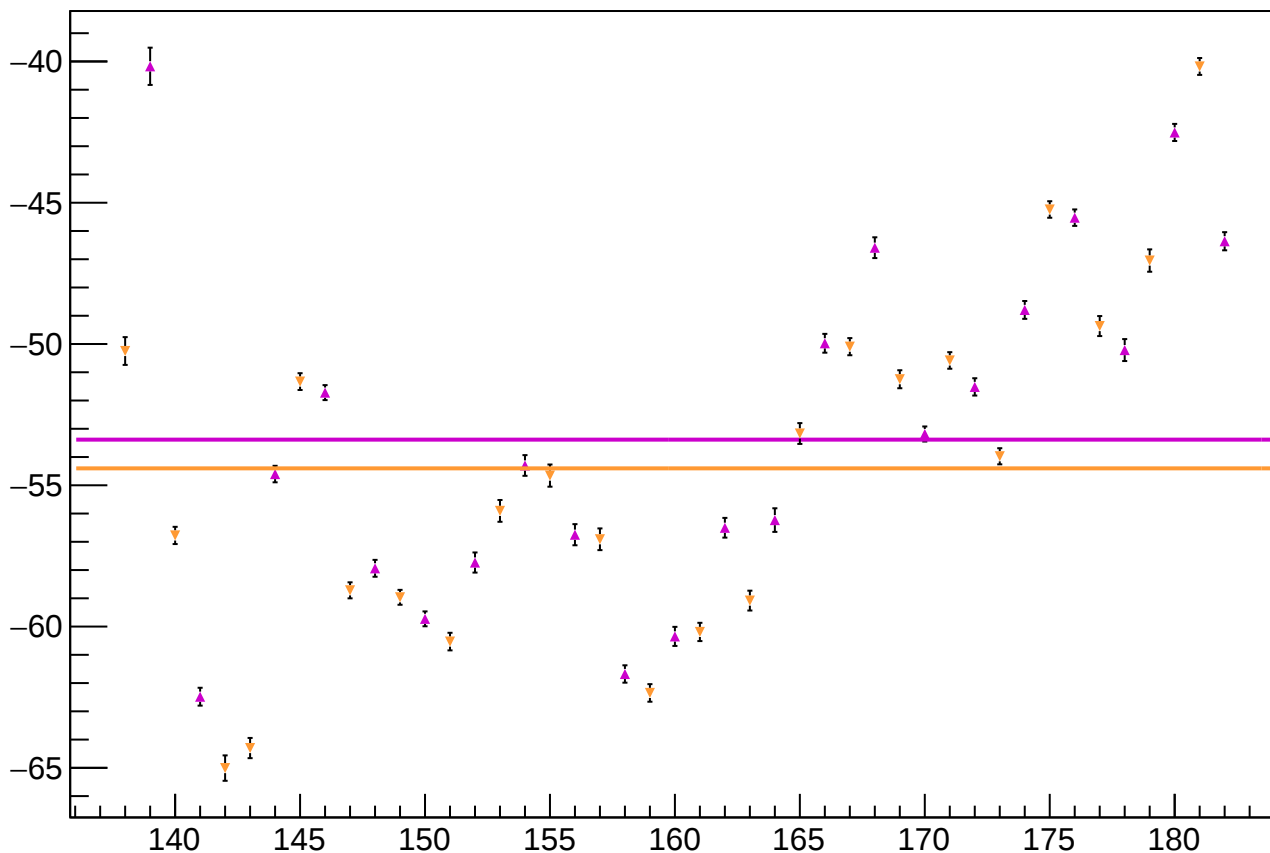
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.747+/-0.078 χ^2/NDF :12187.4/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.730+/-0.078 χ^2/NDF :11243.5/21

Left: 4.738+/-0.055 χ^2/NDF : 23430.9/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 4.730+/-0.078 χ^2/NDF :11243.5/21
 Out: 4.747+/-0.078 χ^2/NDF :12187.4/22
 All: 4.738+/-0.055 χ^2/NDF : 23430.9/44

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: -54.401+/-0.068 χ^2/NDF : 7969.6/22

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

Left In: -53.384+/-0.069 χ^2/NDF : 6873.2/21

Left: -53.897+/-0.049 χ^2/NDF : 14952.2/44

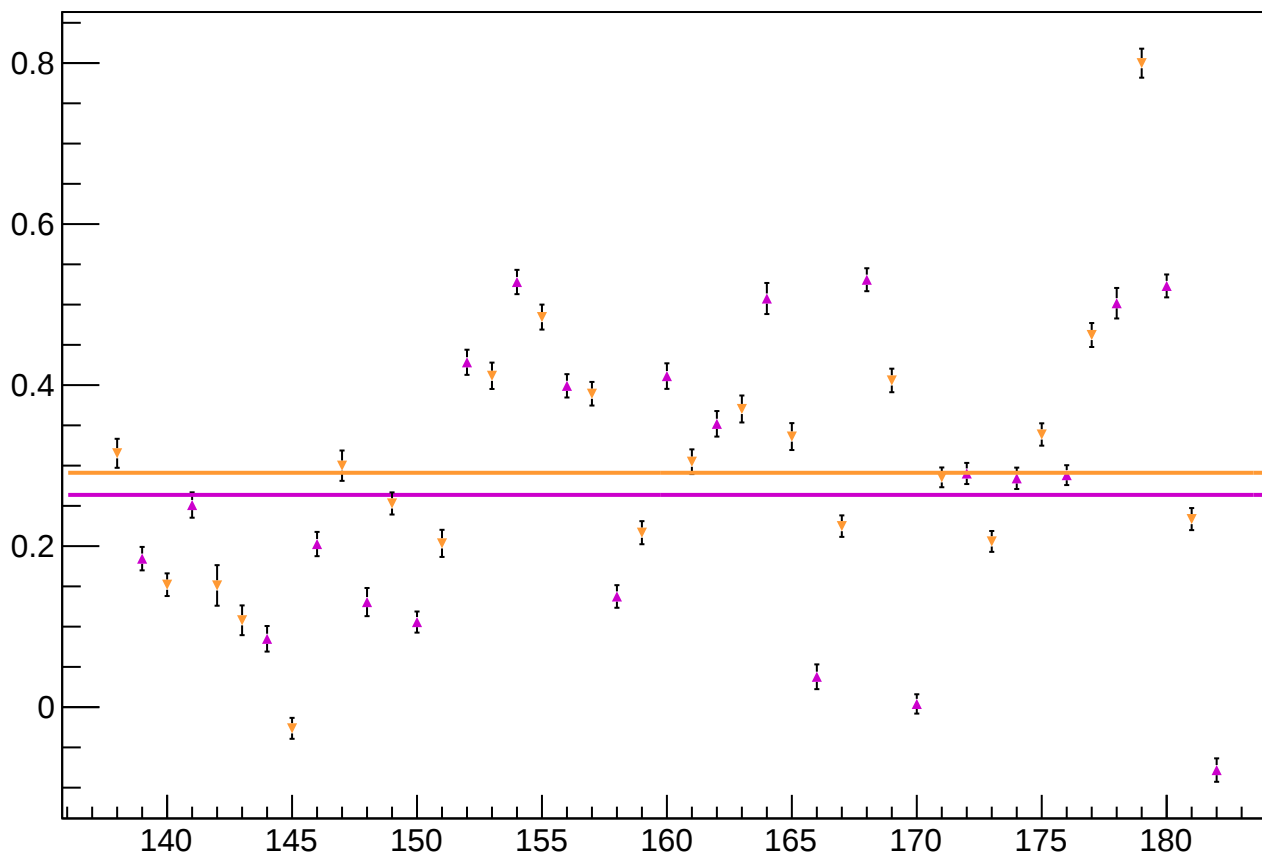
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -53.384+/-0.069 χ^2/NDF : 6873.2/21

Out: -54.401+/-0.068 χ^2/NDF : 7969.6/22

All: -53.897+/-0.049 χ^2/NDF : 14952.2/44

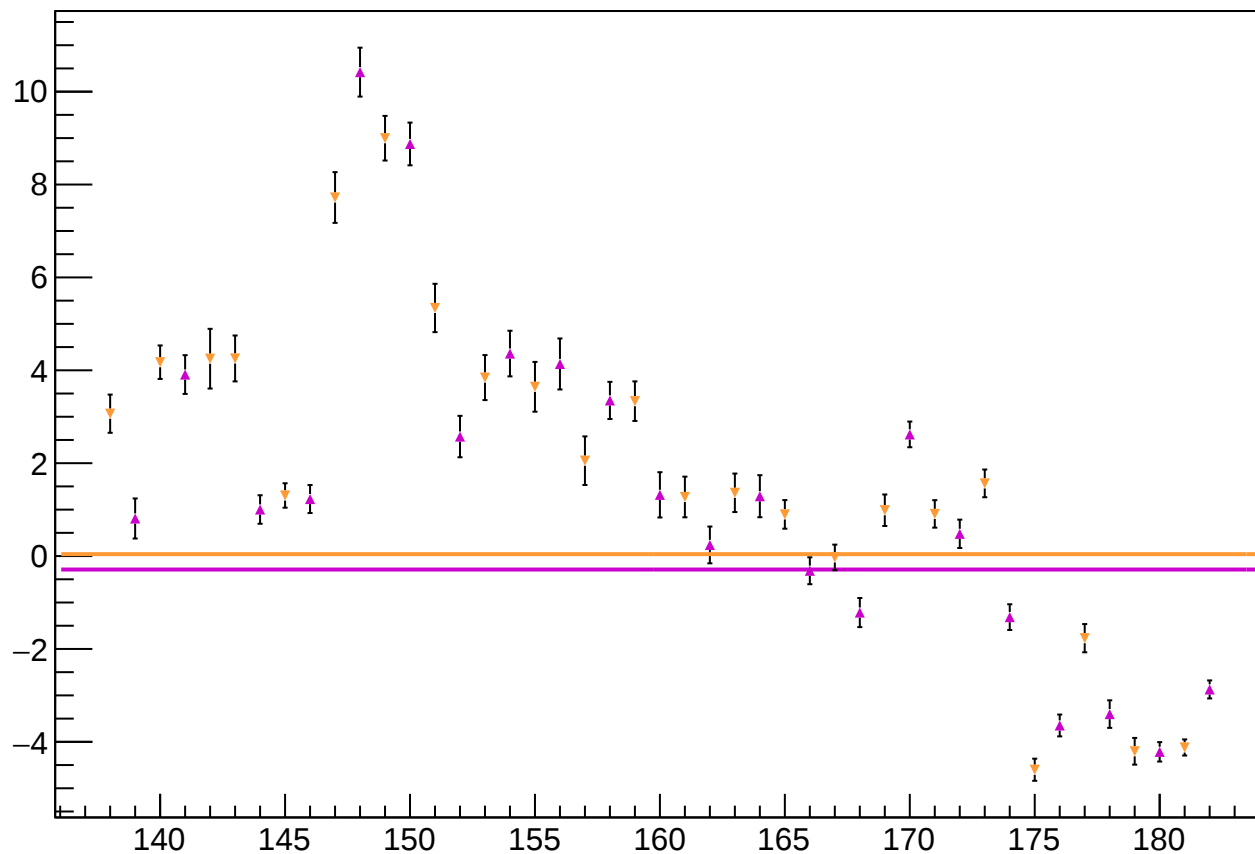
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.291 $\pm$ 0.003 χ^2 /NDF:2258.2/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.264 $\pm$ 0.003 χ^2 /NDF:3328.0/21

Left: 0.277 $\pm$ 0.002 χ^2 /NDF: 5624.2/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.264 $\pm$ 0.003 χ^2 /NDF:3328.0/21
 Out: 0.291 $\pm$ 0.003 χ^2 /NDF:2258.2/22
 All: 0.277 $\pm$ 0.002 χ^2 /NDF: 5624.2/44

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



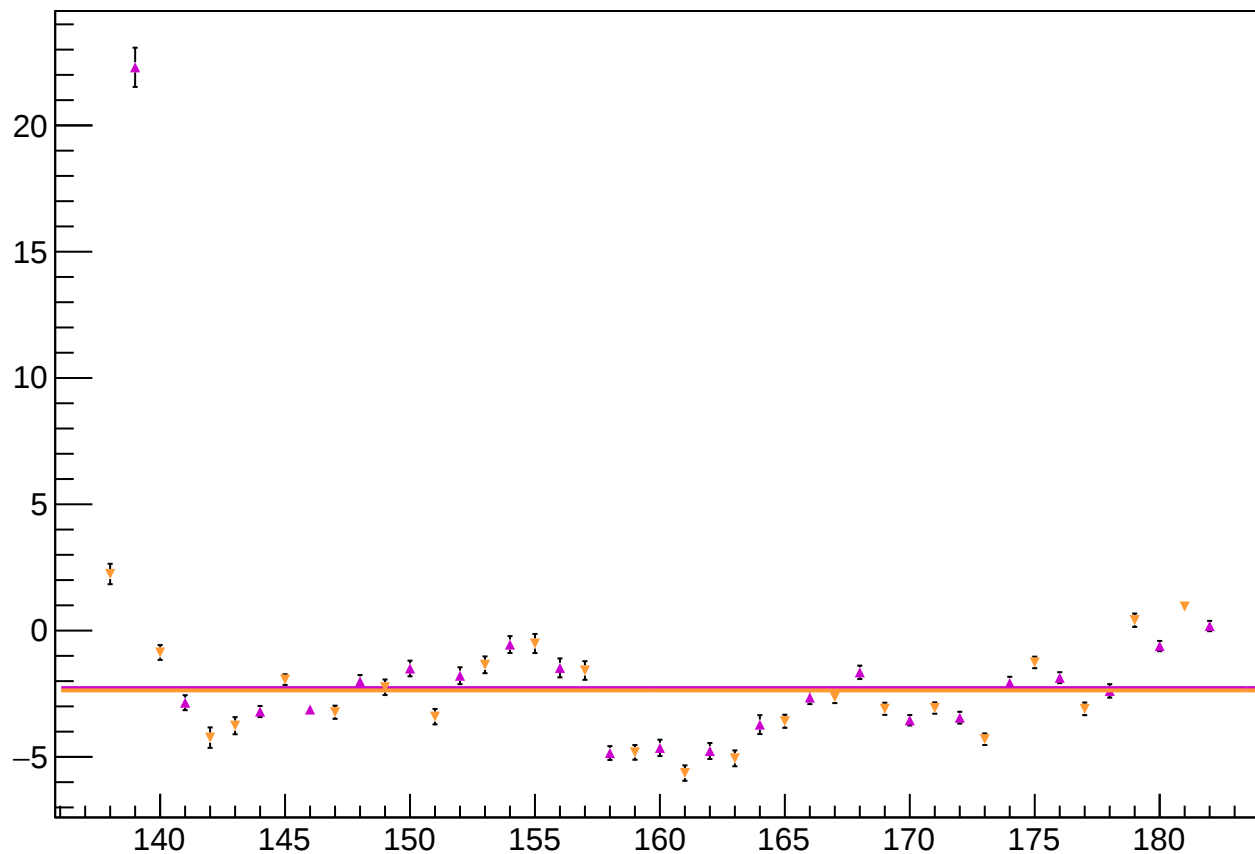
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.041 $\pm$ 0.070 χ^2 /NDF:2431.4/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.290 $\pm$ 0.069 χ^2 /NDF:2247.9/21

Left: -0.128 $\pm$ 0.049 χ^2 /NDF: 4690.7/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.290 $\pm$ 0.069 χ^2 /NDF:2247.9/21
 Out: 0.041 $\pm$ 0.070 χ^2 /NDF:2431.4/22

All: -0.128 $\pm$ 0.049 χ^2 /NDF: 4690.7/44

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: -2.367+/-0.057 χ^2/NDF :1075.8/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.278+/-0.056 χ^2/NDF :1586.6/21

Left: -2.322+/-0.040 χ^2/NDF : 2663.7/44

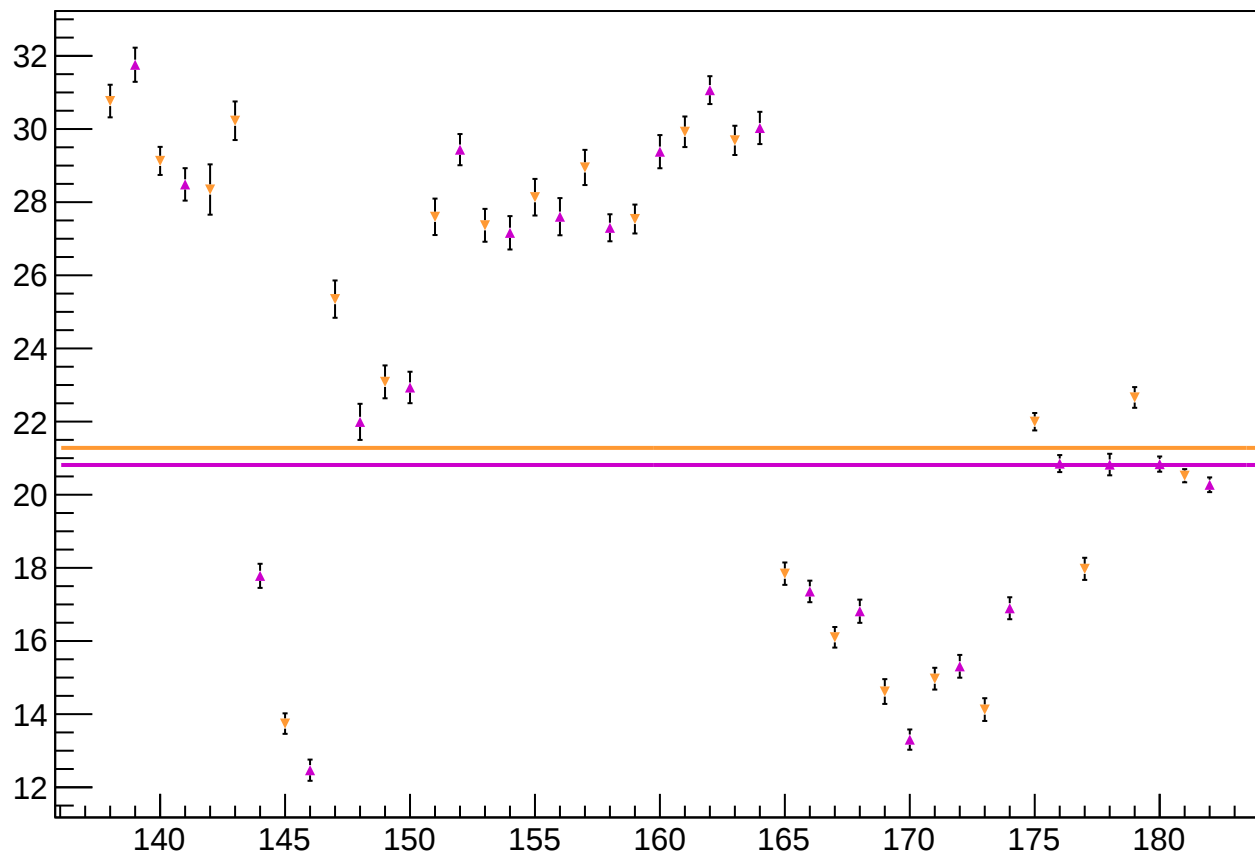
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.278+/-0.056 χ^2/NDF :1586.6/21

Out: -2.367+/-0.057 χ^2/NDF :1075.8/22

All: -2.322+/-0.040 χ^2/NDF : 2663.7/44

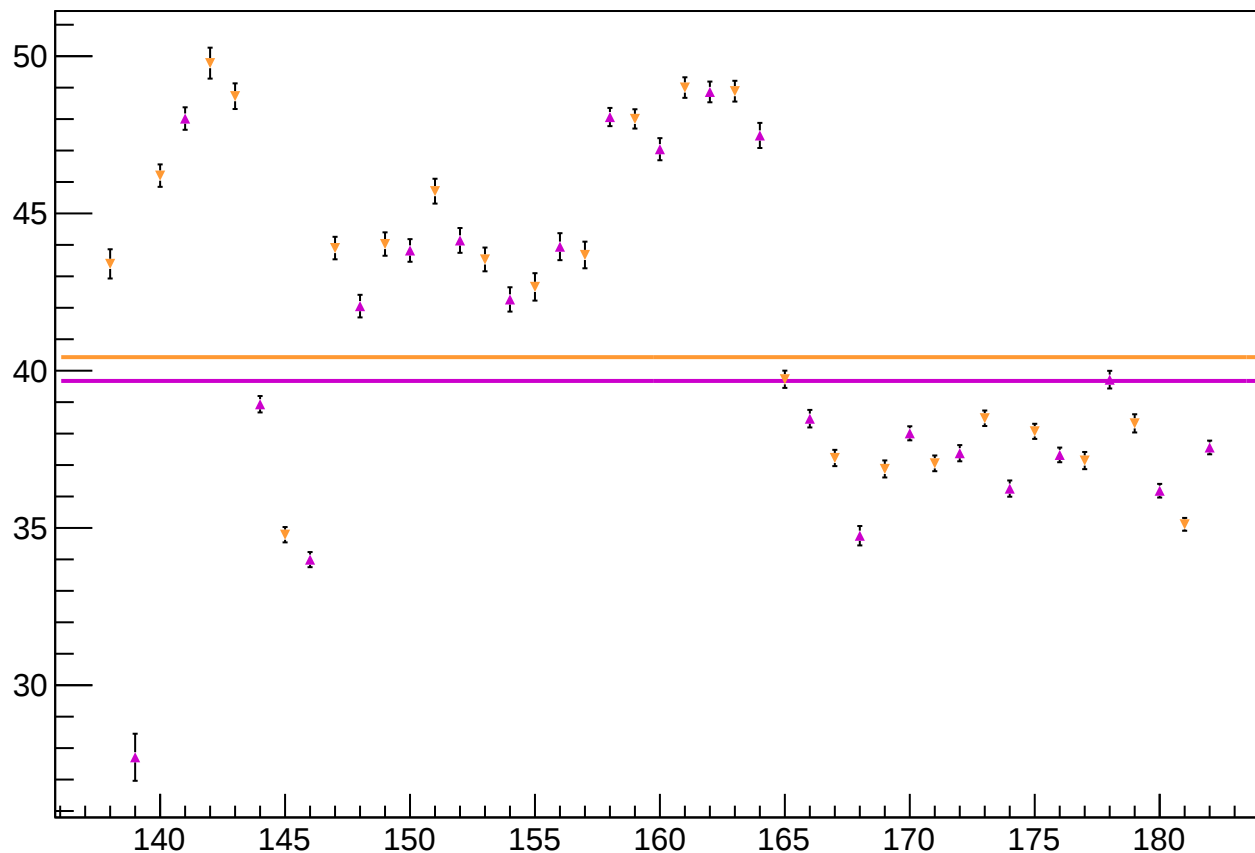
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 21.281+/-0.071 χ^2/NDF : 5972.0/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 20.813+/-0.069 χ^2/NDF : 5917.8/21

Left: 21.040+/-0.049 χ^2/NDF : 11912.3/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 20.813+/-0.069 χ^2/NDF : 5917.8/21
 Out: 21.281+/-0.071 χ^2/NDF : 5972.0/22
 All: 21.040+/-0.049 χ^2/NDF : 11912.3/44

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: 40.430+/-0.063 χ^2/NDF :5633.0/22

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

Left In: 39.674+/-0.062 χ^2/NDF :5294.8/21

Left: 40.045+/-0.044 χ^2/NDF : 11000.2/44

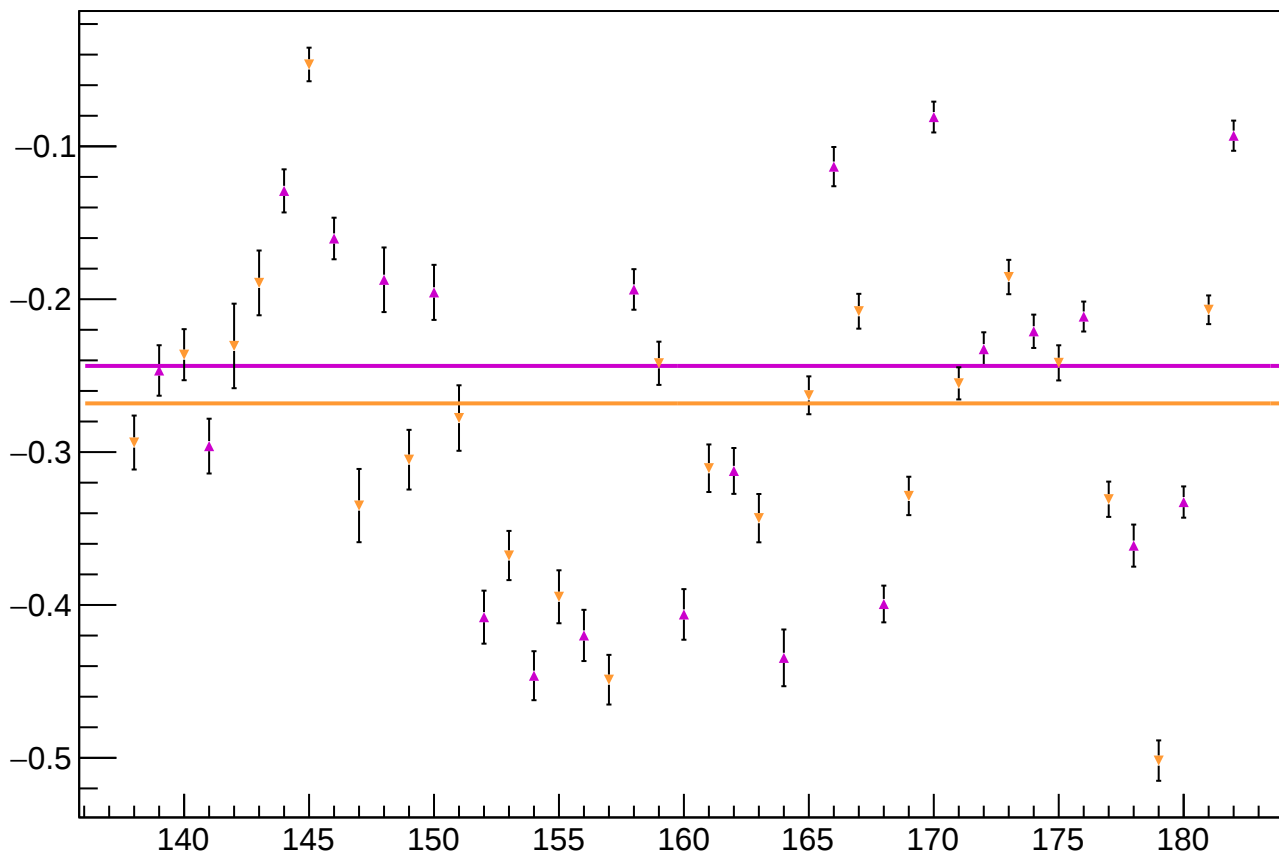
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 39.674+/-0.062 χ^2/NDF :5294.8/21

Out: 40.430+/-0.063 χ^2/NDF :5633.0/22

All: 40.045+/-0.044 χ^2/NDF : 11000.2/44

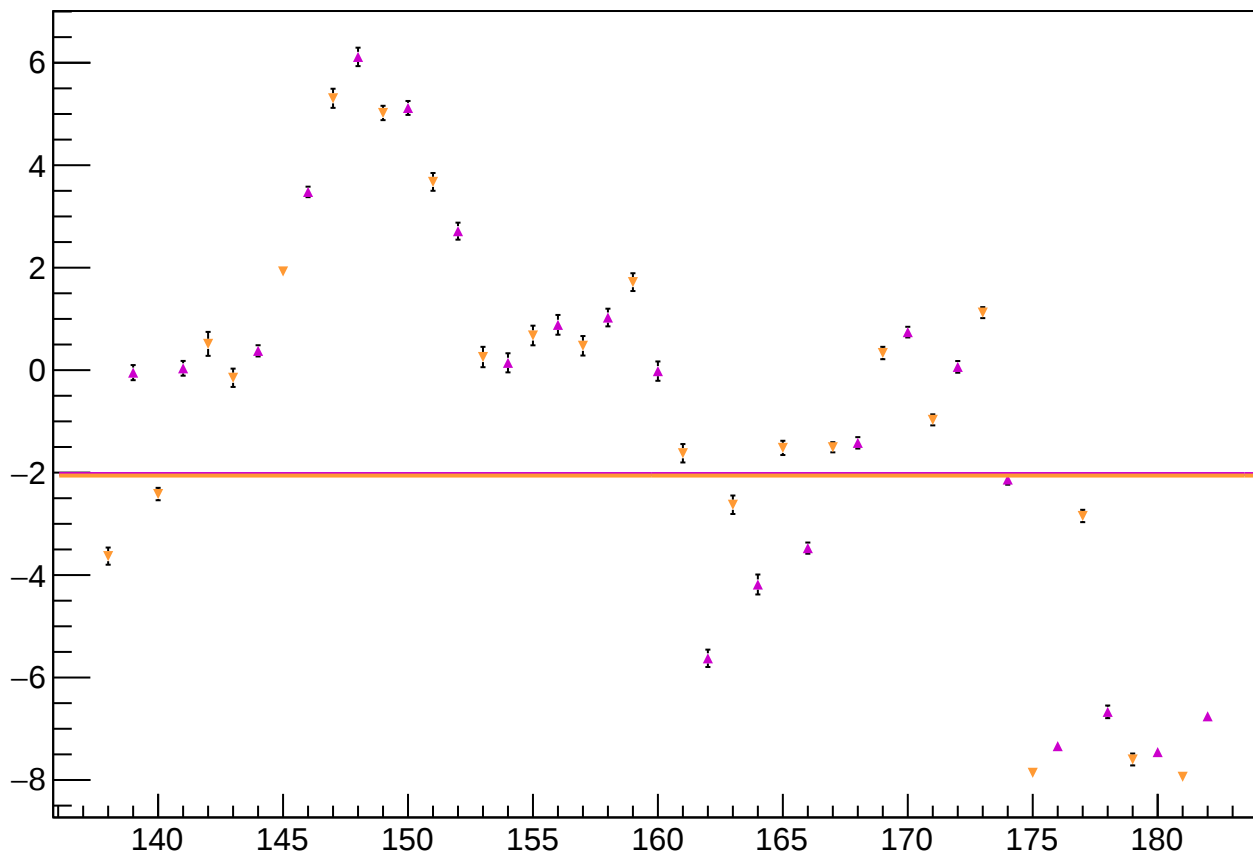
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.268+/-0.003 χ^2/NDF :1186.3/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.244+/-0.003 χ^2/NDF :1654.2/21

Left: -0.256+/-0.002 χ^2/NDF : 2877.2/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.244+/-0.003 χ^2/NDF :1654.2/21
 Out: -0.268+/-0.003 χ^2/NDF :1186.3/22
 All: -0.256+/-0.002 χ^2/NDF : 2877.2/44

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



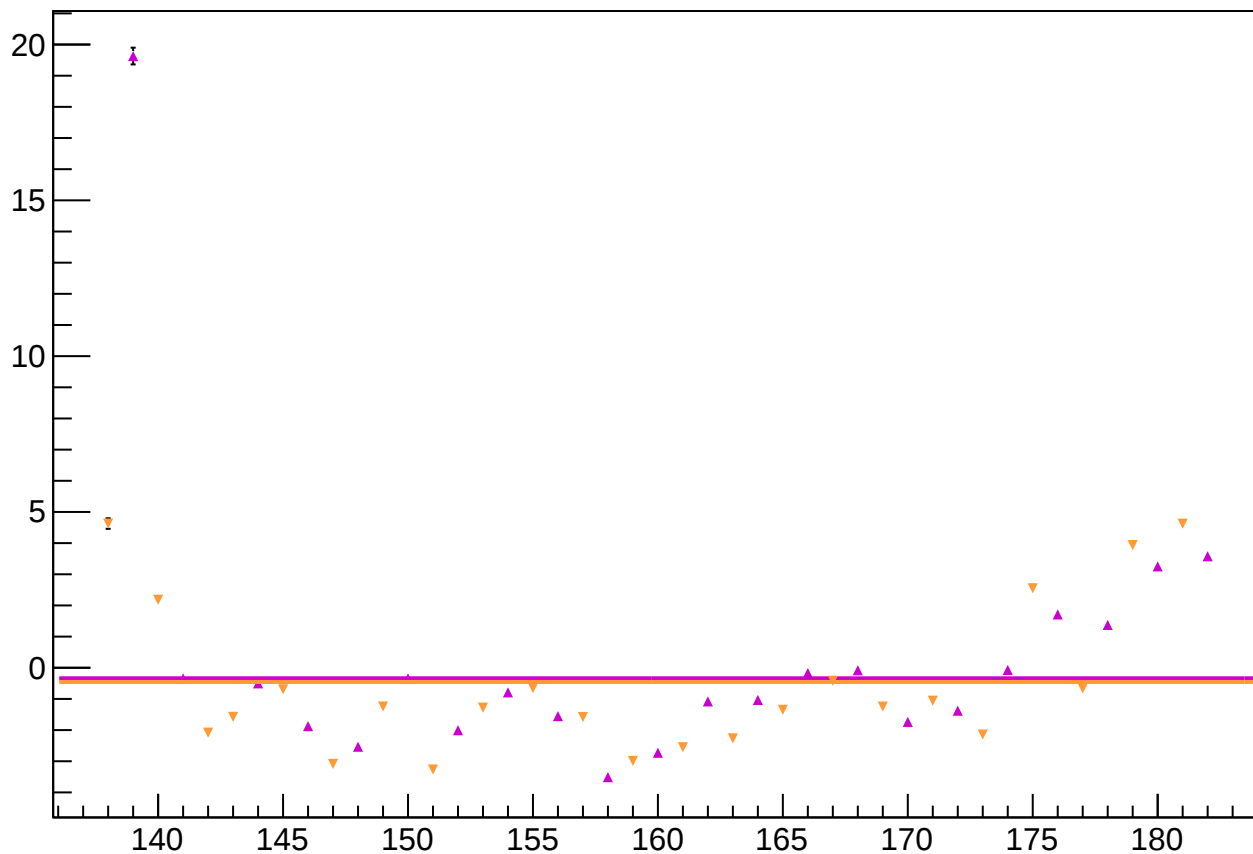
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.058+/-0.027 χ^2/NDF :22105.1/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.028+/-0.026 χ^2/NDF :23105.6/21

Left: -2.042+/-0.019 χ^2/NDF : 45211.4/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.028+/-0.026 χ^2/NDF :23105.6/21
 Out: -2.058+/-0.027 χ^2/NDF :22105.1/22

All: -2.042+/-0.019 χ^2/NDF : 45211.4/44

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



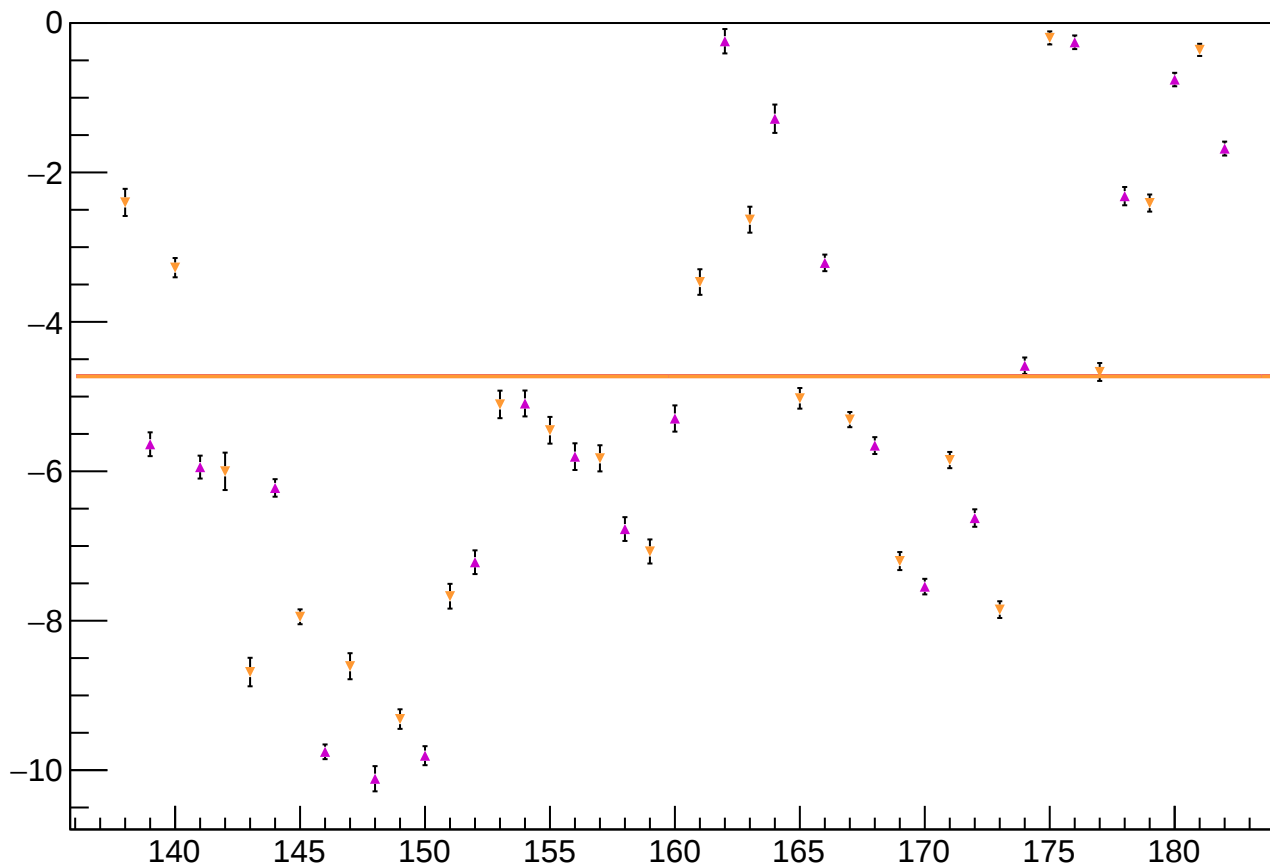
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.455+/-0.021 χ^2/NDF : 11547.4/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.338+/-0.021 χ^2/NDF : 12701.2/21

Left: -0.396+/-0.015 χ^2/NDF : 24263.8/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.338+/-0.021 χ^2/NDF : 12701.2/21
 Out: -0.455+/-0.021 χ^2/NDF : 11547.4/22

All: -0.396+/-0.015 χ^2/NDF : 24263.8/44

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



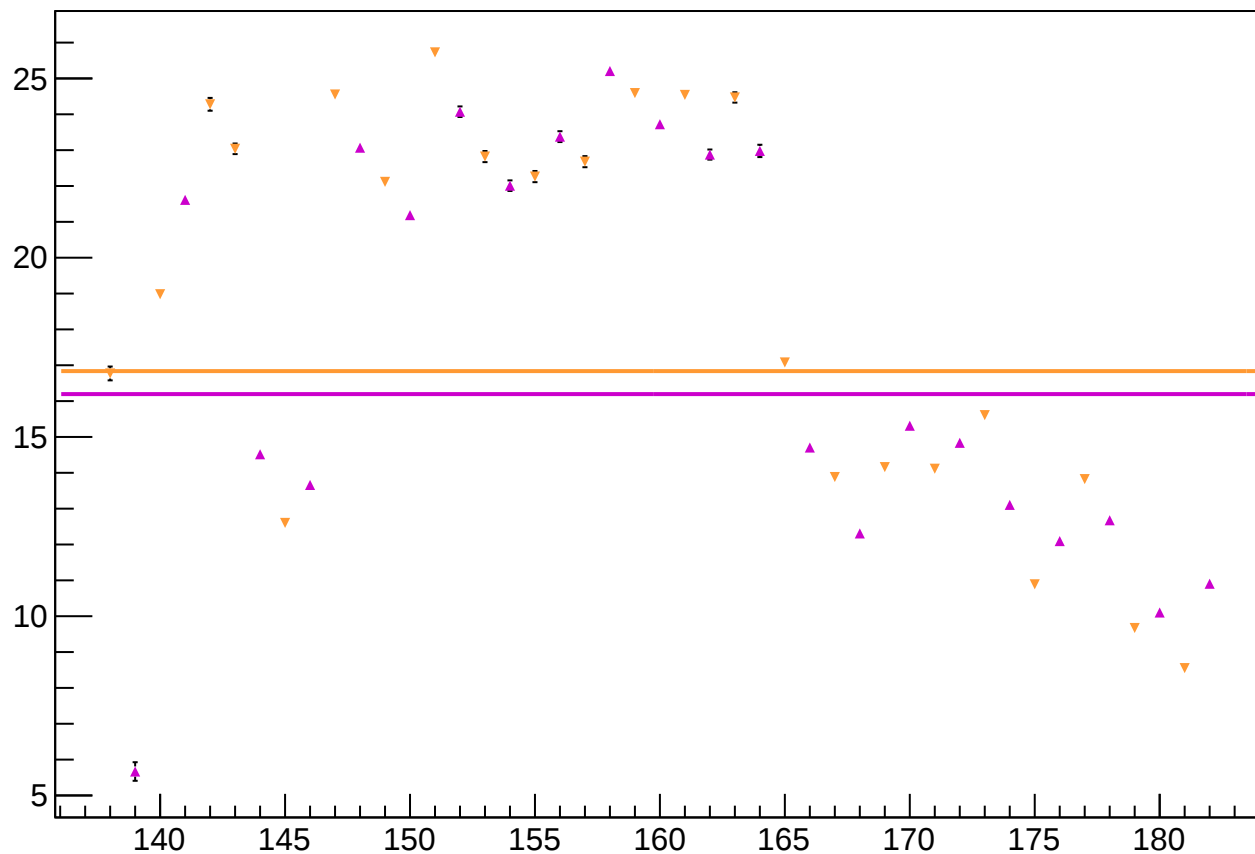
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -4.728 $\pm$ 0.027 χ^2 /NDF:11616.9/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -4.725 $\pm$ 0.026 χ^2 /NDF:14071.9/21

Left: -4.727 $\pm$ 0.019 χ^2 /NDF: 25688.8/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -4.725 $\pm$ 0.026 χ^2 /NDF:14071.9/21
 Out: -4.728 $\pm$ 0.027 χ^2 /NDF:11616.9/22

All: -4.727 $\pm$ 0.019 χ^2 /NDF: 25688.8/44

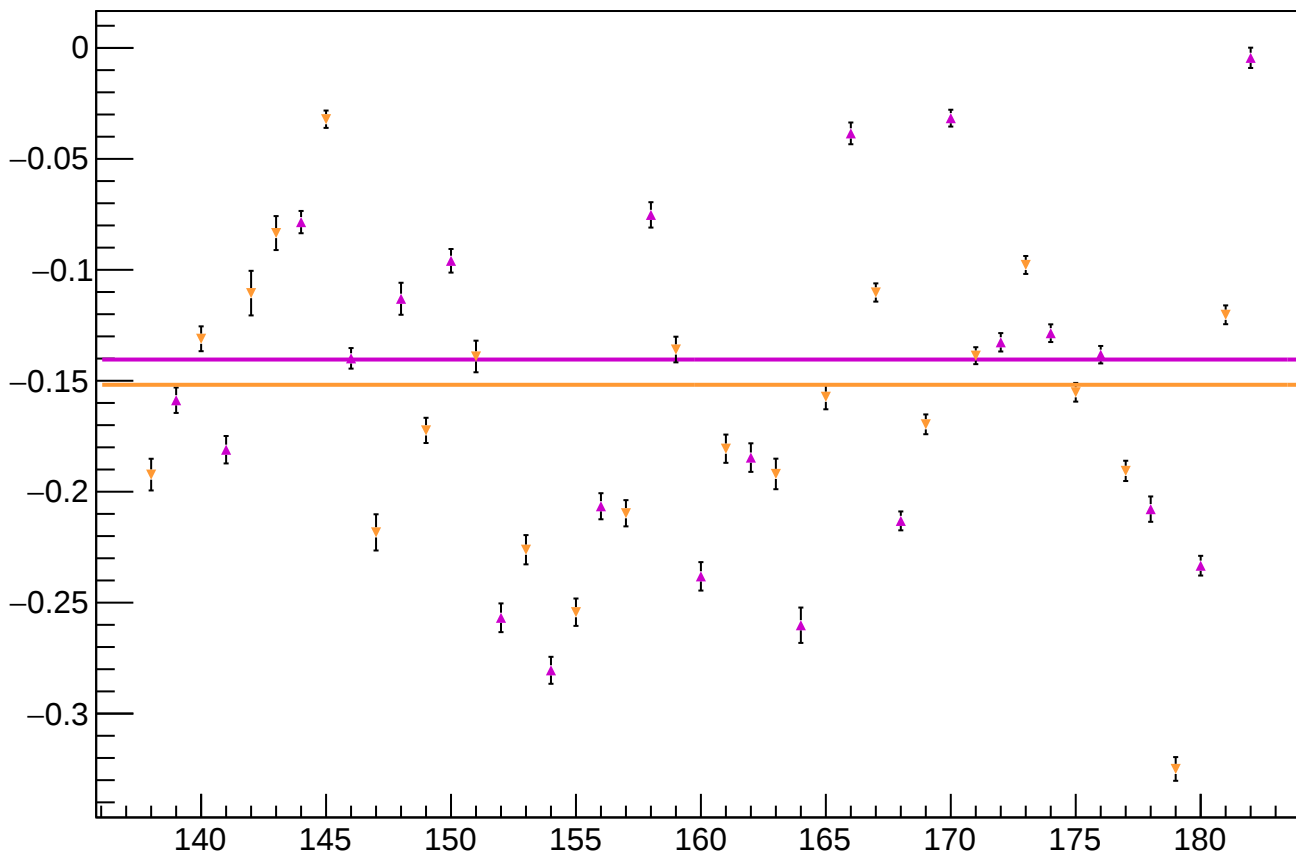
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 16.837+/-0.024 χ^2/NDF :50991.8/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 16.195+/-0.024 χ^2/NDF :41461.0/21

Left: 16.513+/-0.017 χ^2/NDF : 92813.3/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 16.195+/-0.024 χ^2/NDF :41461.0/21
 Out: 16.837+/-0.024 χ^2/NDF :50991.8/22
 All: 16.513+/-0.017 χ^2/NDF : 92813.3/44

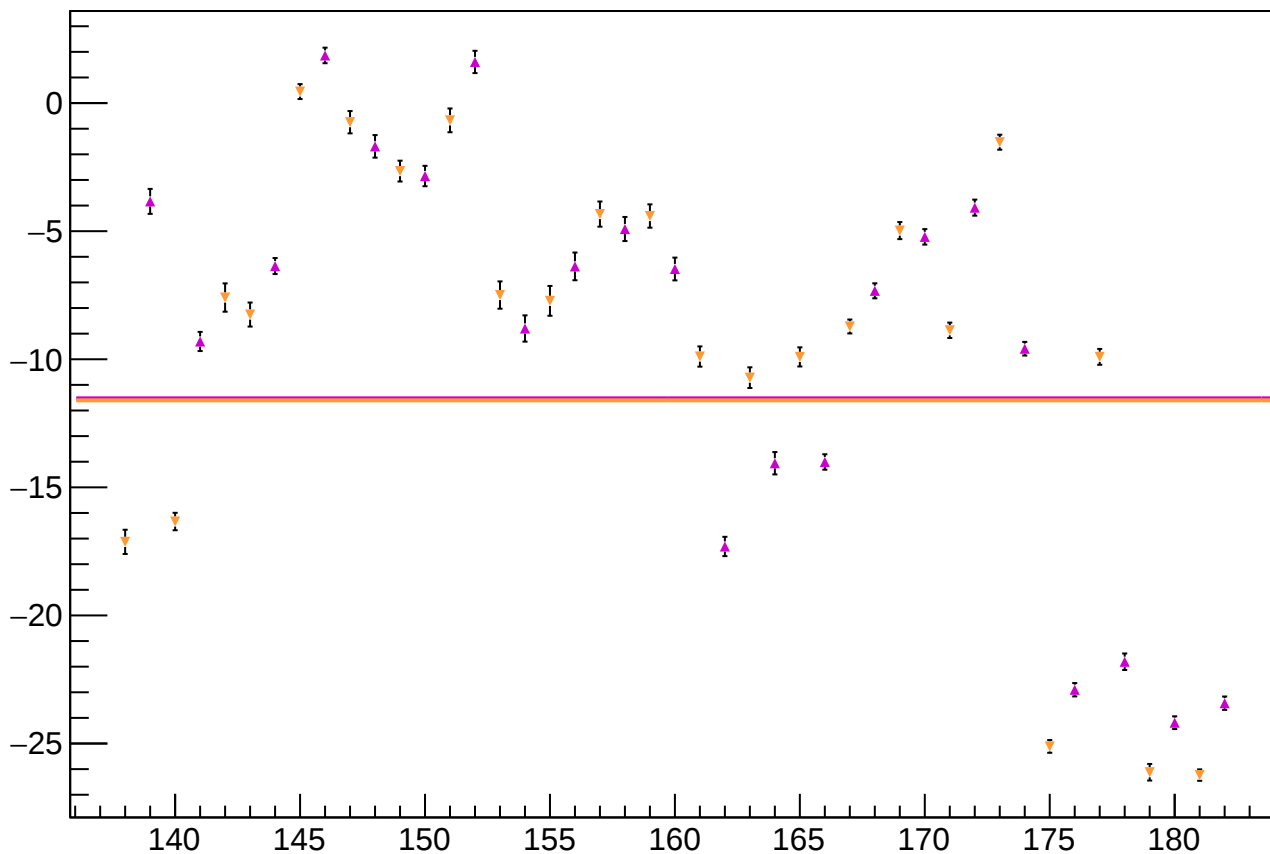
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.152+/-0.001 χ^2/NDF : 3211.5/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.140+/-0.001 χ^2/NDF : 4925.5/21

Left: -0.146+/-0.001 χ^2/NDF : 8191.5/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.140+/-0.001 χ^2/NDF : 4925.5/21
 Out: -0.152+/-0.001 χ^2/NDF : 3211.5/22
 All: -0.146+/-0.001 χ^2/NDF : 8191.5/44

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: -11.603+/-0.073 χ^2/NDF :15465.0/22

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

Left In: -11.526+/-0.072 χ^2/NDF :14003.4/21

Left: -11.564+/-0.052 χ^2/NDF : 29469.0/44

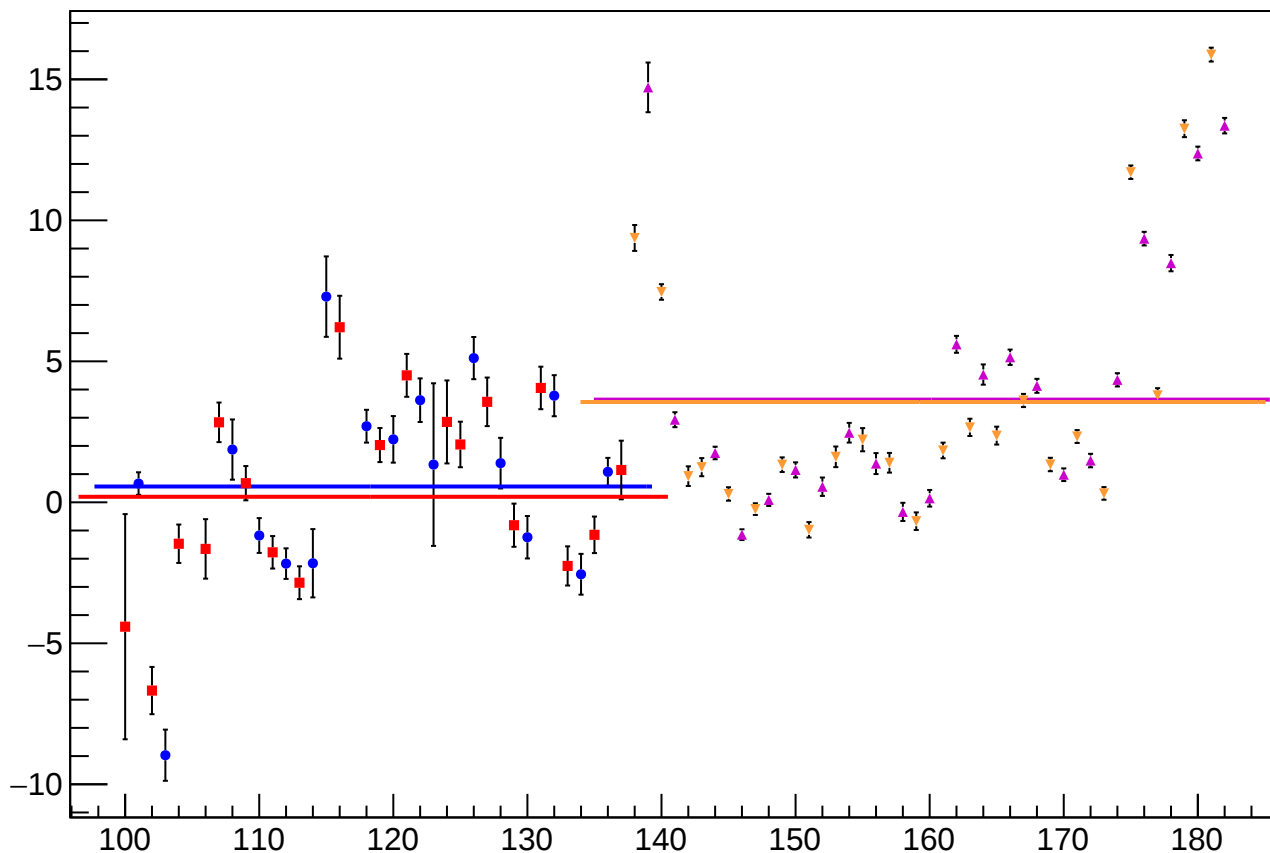
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -11.526+/-0.072 χ^2/NDF :14003.4/21

Out: -11.603+/-0.073 χ^2/NDF :15465.0/22

All: -11.564+/-0.052 χ^2/NDF : 29469.0/44

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.561 ± 0.170 $\chi^2/\text{NDF}: 288.7/16$

Left Out: 3.558 ± 0.057 $\chi^2/\text{NDF}: 6698.1/22$

Right Out: 0.196 ± 0.175 $\chi^2/\text{NDF}: 271.2/18$

Left In: 3.642 ± 0.057 $\chi^2/\text{NDF}: 5338.7/21$

Left: 3.600 ± 0.040 $\chi^2/\text{NDF}: 12037.9/44$

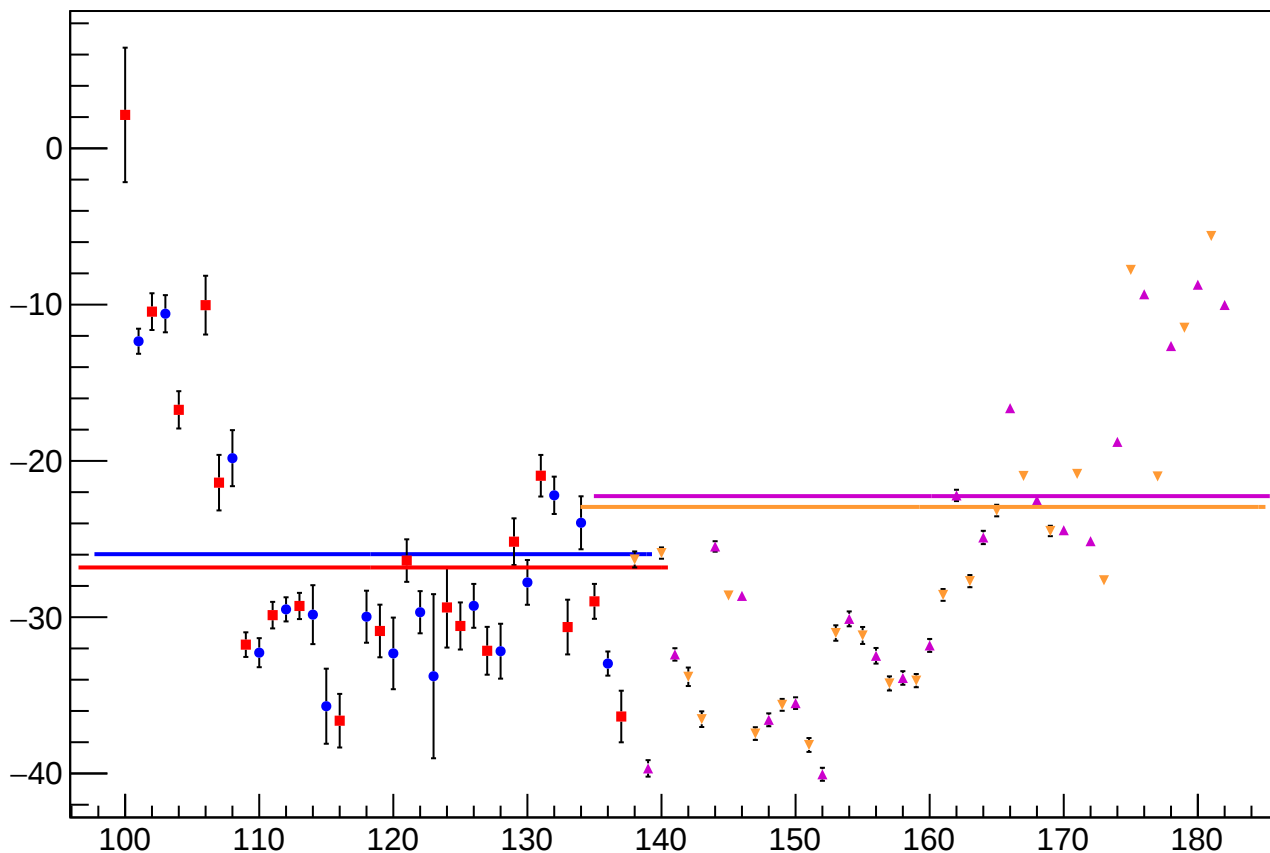
Right: 0.383 ± 0.122 $\chi^2/\text{NDF}: 562.1/35$

In: 3.332 ± 0.054 $\chi^2/\text{NDF}: 5921.3/38$

Out: 3.233 ± 0.054 $\chi^2/\text{NDF}: 7303.2/41$

All: 3.283 ± 0.038 $\chi^2/\text{NDF}: 13226.2/80$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.968 ± 0.301 χ^2/NDF : 691.1/16

Left Out: -22.944 ± 0.074 χ^2/NDF : 18222.8/22

Right Out: -26.818 ± 0.298 χ^2/NDF : 580.9/18

Left In: -22.253 ± 0.072 χ^2/NDF : 17608.8/21

Left: -22.592 ± 0.052 χ^2/NDF : 35876.4/44

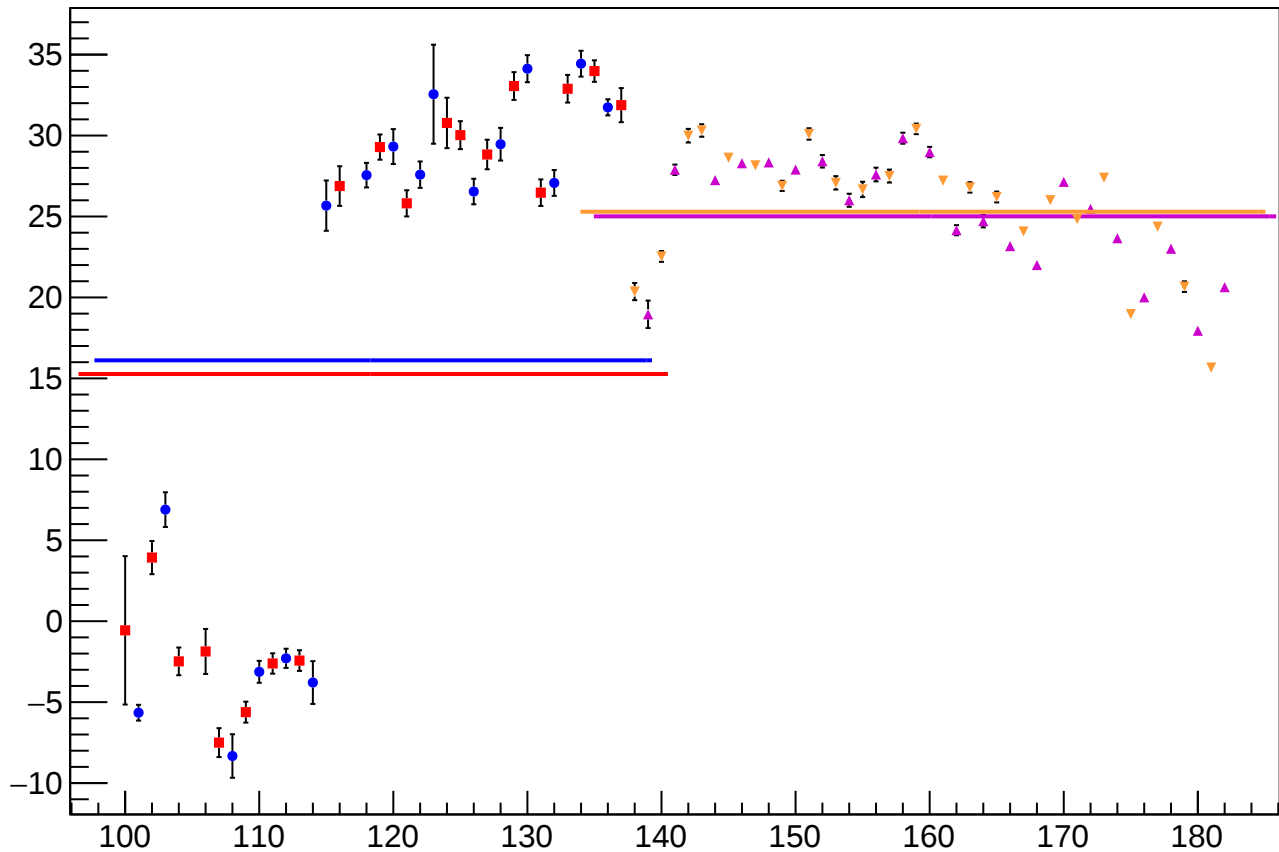
Right: -26.397 ± 0.212 χ^2/NDF : 1276.0/35

In: -22.456 ± 0.070 χ^2/NDF : 18443.9/38

Out: -23.167 ± 0.072 χ^2/NDF : 18962.9/41

All: -22.806 ± 0.050 χ^2/NDF : 37457.1/80

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.115 $\pm$ 0.192 χ^2 /NDF: 7542.1/16

Left Out: 25.295 $\pm$ 0.065 χ^2 /NDF:3566.0/22

Right Out: 15.269 $\pm$ 0.197 χ^2 /NDF: 7261.7/18

Left In: 25.008 $\pm$ 0.064 χ^2 /NDF:2721.9/21

Left: 25.150 $\pm$ 0.046 χ^2 /NDF: 6297.8/44

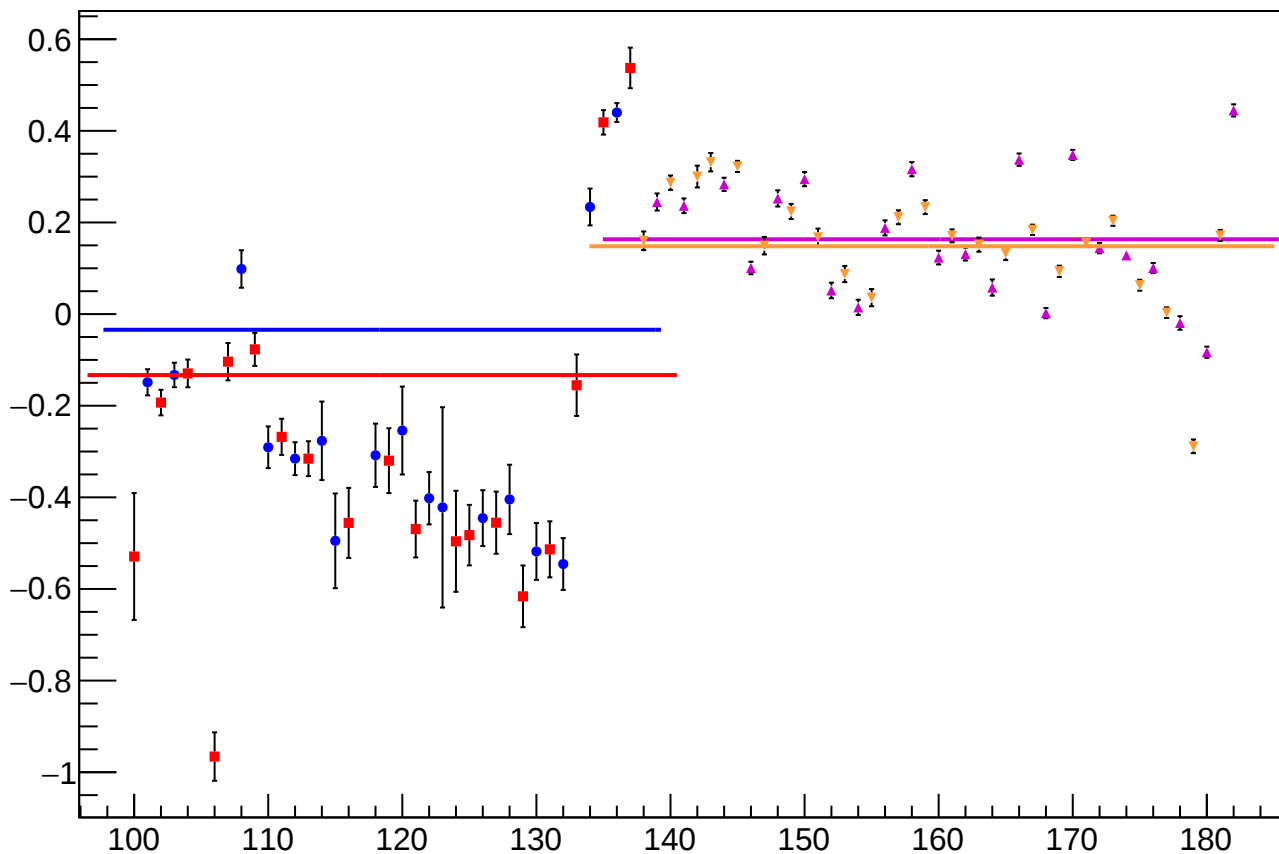
Right: 15.703 $\pm$ 0.138 χ^2 /NDF: 14813.2/35

In: 24.113 $\pm$ 0.061 χ^2 /NDF:12185.4/38

Out: 24.321 $\pm$ 0.062 χ^2 /NDF:13157.6/41

All: 24.216 $\pm$ 0.043 χ^2 /NDF: 25348.7/80

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.034 ± 0.010 $\chi^2/\text{NDF}: 1011.4/16$

Left Out: 0.148 ± 0.003 $\chi^2/\text{NDF}: 1653.6/22$

Right Out: -0.133 ± 0.010 $\chi^2/\text{NDF}: 1160.4/18$

Left In: 0.163 ± 0.003 $\chi^2/\text{NDF}: 2195.9/21$

Left: 0.156 ± 0.002 $\chi^2/\text{NDF}: 3862.6/44$

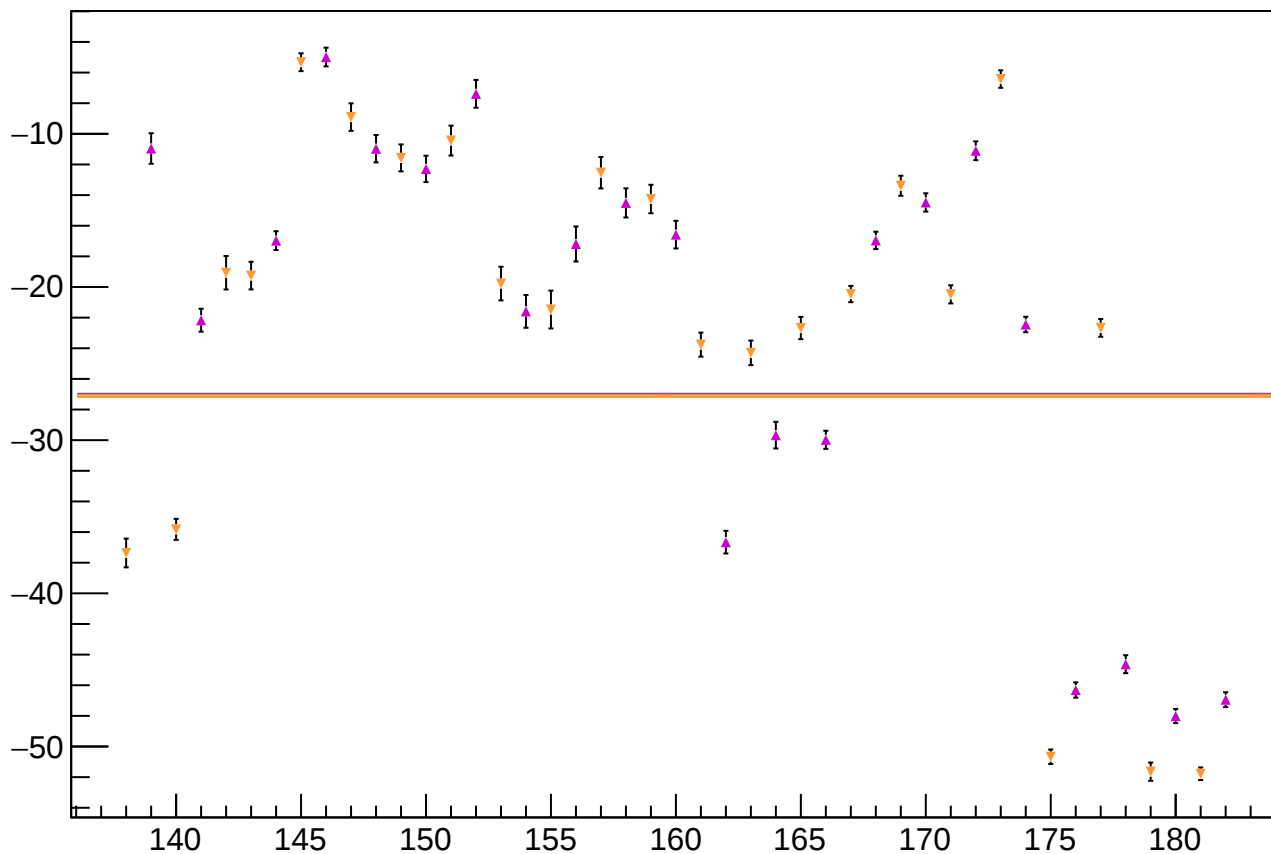
Right: -0.083 ± 0.007 $\chi^2/\text{NDF}: 2217.4/35$

In: 0.148 ± 0.003 $\chi^2/\text{NDF}: 3544.5/38$

Out: 0.127 ± 0.003 $\chi^2/\text{NDF}: 3491.1/41$

All: 0.138 ± 0.002 $\chi^2/\text{NDF}: 7064.8/80$

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: -27.107+/-0.144 χ^2/NDF :13184.5/22

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

Left In: -27.037+/-0.141 χ^2/NDF :11214.9/21

Left: -27.071+/-0.101 χ^2/NDF : 24399.6/44

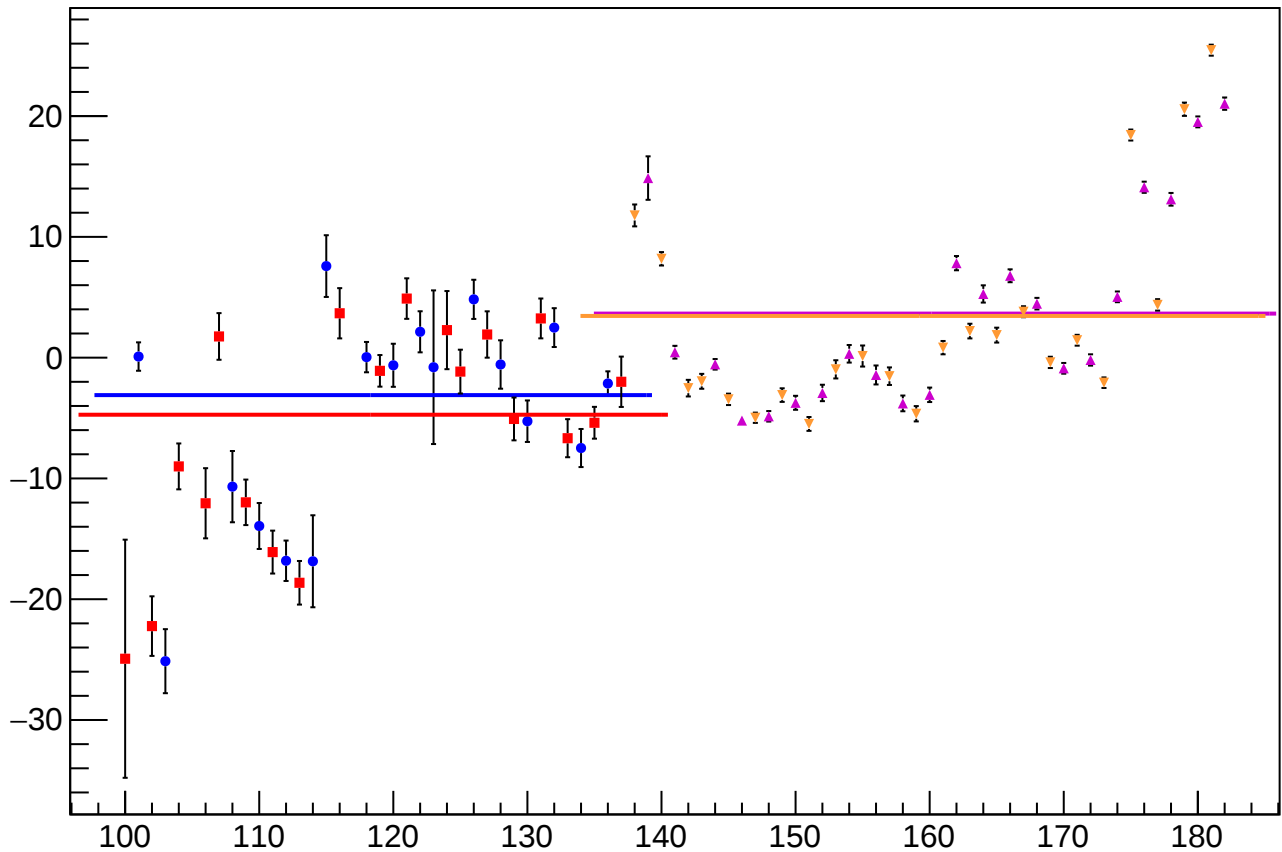
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -27.037+/-0.141 χ^2/NDF :11214.9/21

Out: -27.107+/-0.144 χ^2/NDF :13184.5/22

All: -27.071+/-0.101 χ^2/NDF : 24399.6/44

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.101 ± 0.412 χ^2/NDF : 278.9/16

Left Out: 3.454 ± 0.113 χ^2/NDF : 6225.4/22

Right Out: -4.725 ± 0.427 χ^2/NDF : 296.8/18

Left In: 3.648 ± 0.112 χ^2/NDF : 5178.2/21

Left: 3.552 ± 0.080 χ^2/NDF : 11405.1/44

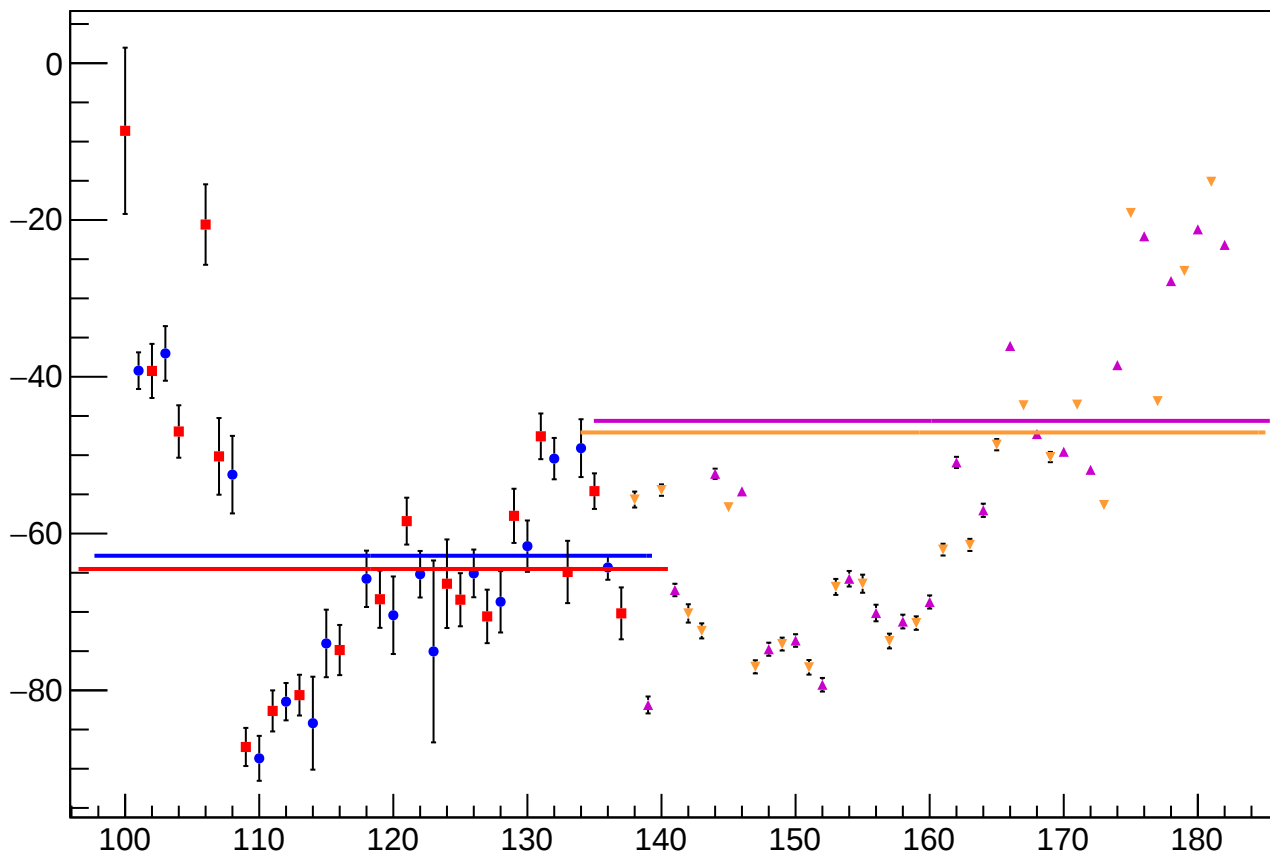
Right: -3.883 ± 0.296 χ^2/NDF : 583.1/35

In: 3.182 ± 0.108 χ^2/NDF : 5707.3/38

Out: 2.920 ± 0.109 χ^2/NDF : 6865.0/41

All: 3.052 ± 0.077 χ^2/NDF : 12575.1/80

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.830 ± 0.742 χ^2/NDF : 367.7/16

Left Out: -47.103 ± 0.144 χ^2/NDF : 18505.3/22

Right Out: -64.518 ± 0.753 χ^2/NDF : 443.9/18

Left In: -45.624 ± 0.141 χ^2/NDF : 17501.5/21

Left: -46.348 ± 0.101 χ^2/NDF : 36060.4/44

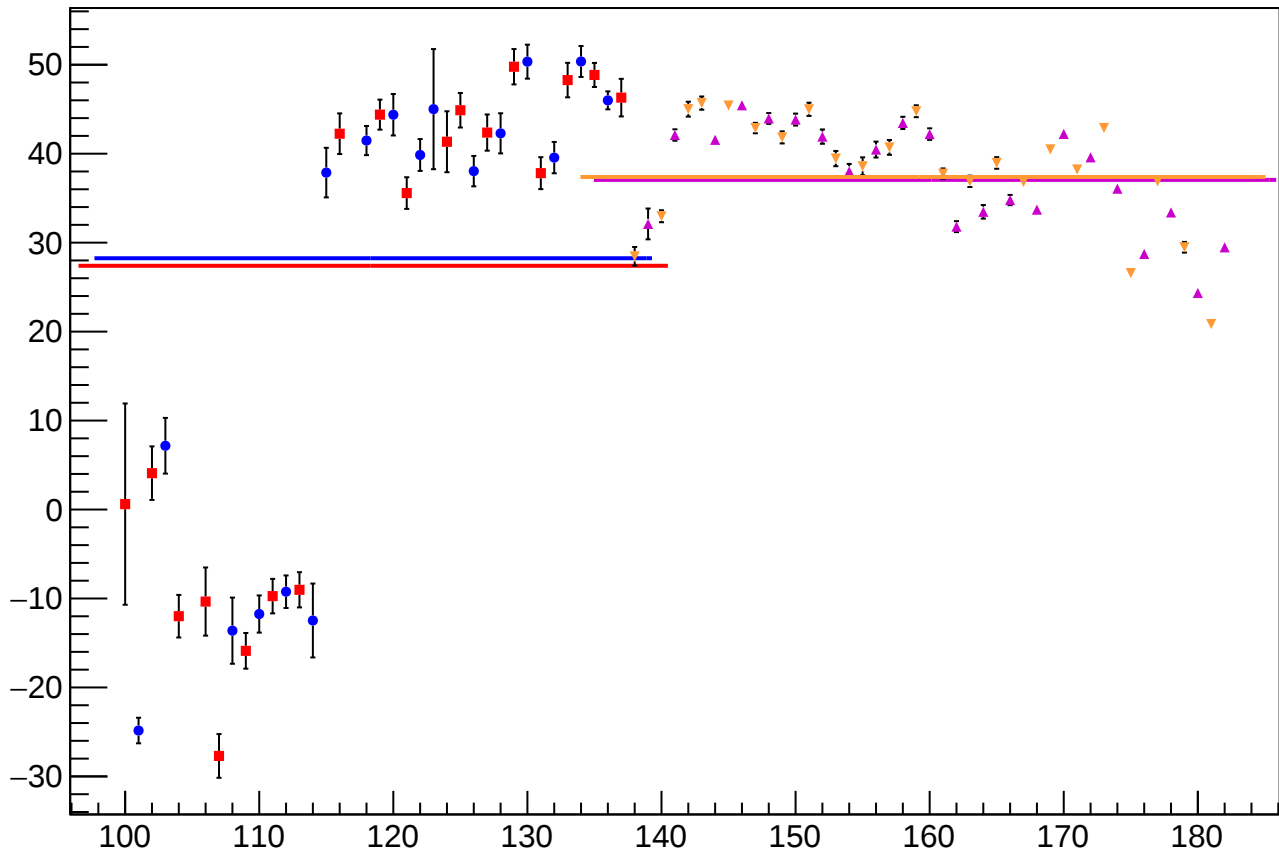
Right: -63.661 ± 0.528 χ^2/NDF : 814.2/35

In: -46.227 ± 0.139 χ^2/NDF : 18388.4/38

Out: -47.720 ± 0.142 χ^2/NDF : 19465.1/41

All: -46.958 ± 0.099 χ^2/NDF : 37910.2/80

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.247 $\pm$ 0.461 χ^2 /NDF: 3310.9/16

Left Out: 37.382 $\pm$ 0.127 χ^2 /NDF: 2941.0/22

Right Out: 27.400 $\pm$ 0.480 χ^2 /NDF: 3031.5/18

Left In: 37.058 $\pm$ 0.126 χ^2 /NDF: 2396.4/21

Left: 37.218 $\pm$ 0.090 χ^2 /NDF: 5340.6/44

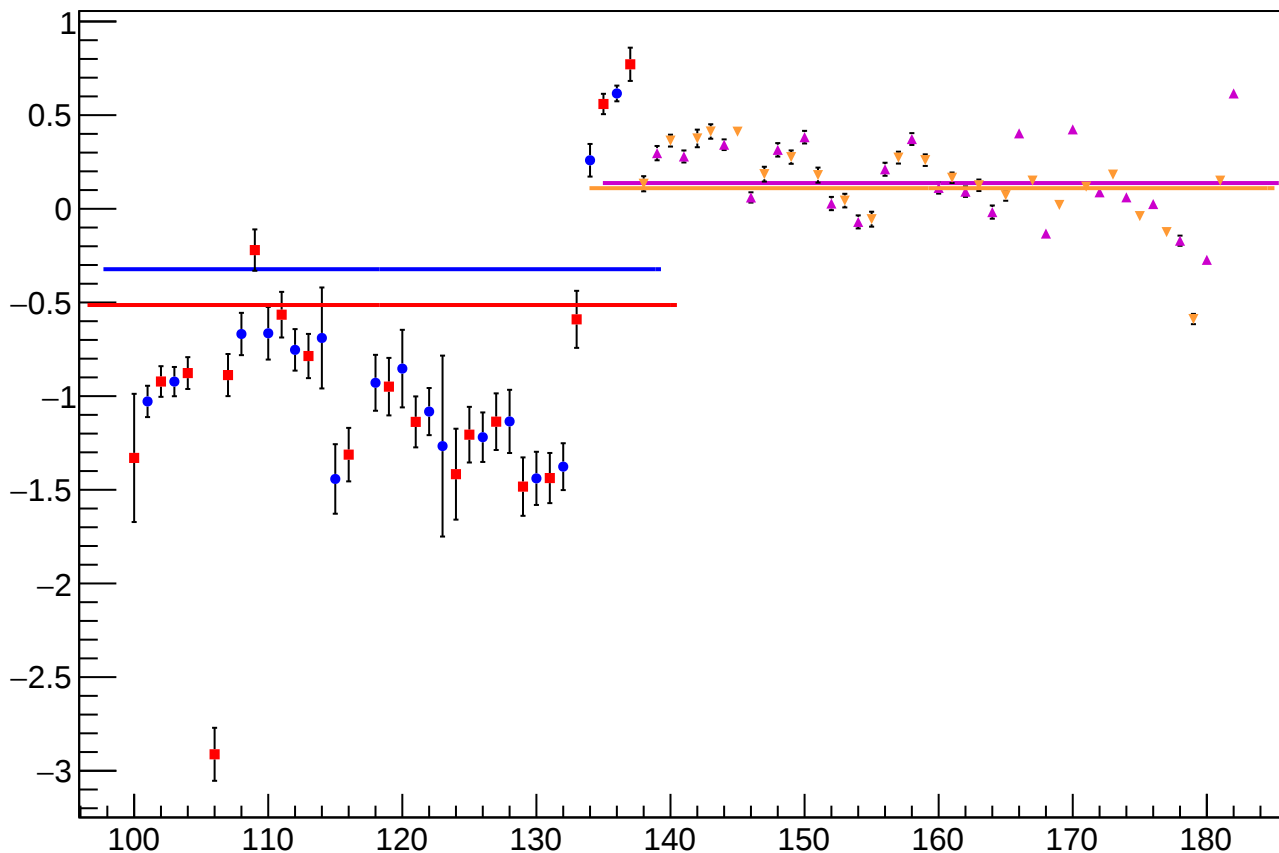
Right: 27.840 $\pm$ 0.332 χ^2 /NDF: 6344.0/35

In: 36.443 $\pm$ 0.122 χ^2 /NDF: 6047.3/38

Out: 36.723 $\pm$ 0.123 χ^2 /NDF: 6377.1/41

All: 36.582 $\pm$ 0.087 χ^2 /NDF: 12427.0/80

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.322 ± 0.025 χ^2/NDF : 1010.1/16

Left Out: 0.110 ± 0.006 χ^2/NDF : 1258.3/22

Right Out: -0.514 ± 0.026 χ^2/NDF : 1159.3/18

Left In: 0.138 ± 0.006 χ^2/NDF : 1606.2/21

Left: 0.124 ± 0.004 χ^2/NDF : 2875.6/44

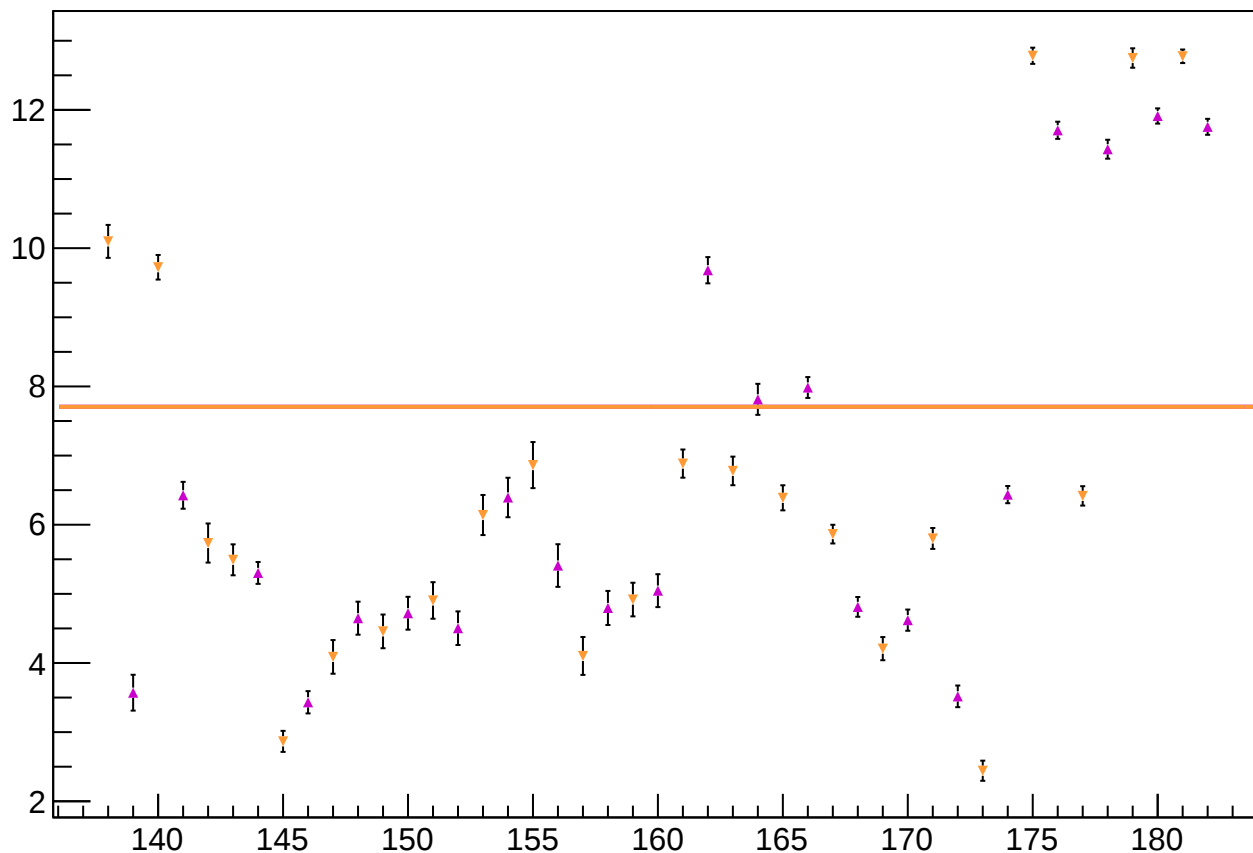
Right: -0.415 ± 0.018 χ^2/NDF : 2197.7/35

In: 0.114 ± 0.006 χ^2/NDF : 2938.2/38

Out: 0.079 ± 0.006 χ^2/NDF : 2974.0/41

All: 0.097 ± 0.004 χ^2/NDF : 5930.8/80

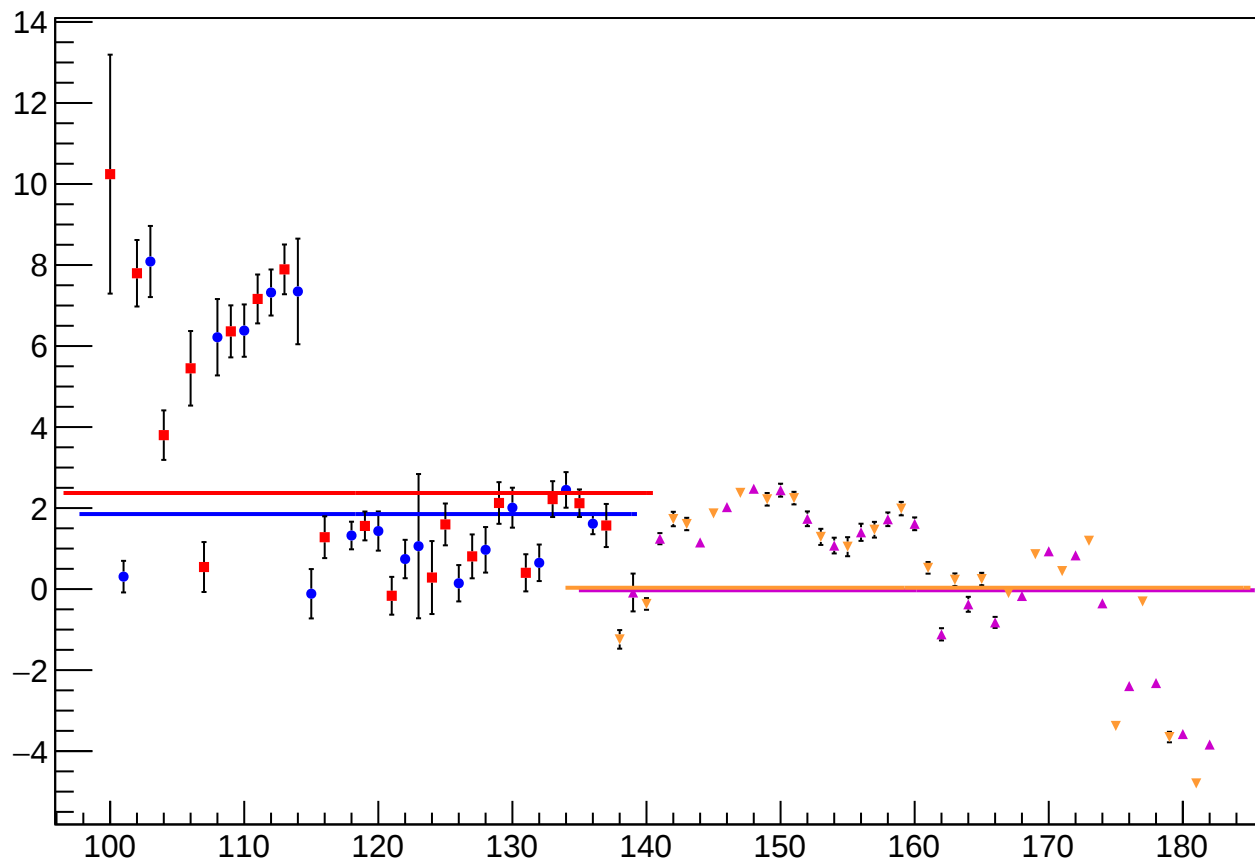
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.705+/-0.036 χ^2/NDF :10342.0/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.707+/-0.036 χ^2/NDF :8282.3/21

Left: 7.706+/-0.025 χ^2/NDF : 18624.2/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.707+/-0.036 χ^2/NDF :8282.3/21
 Out: 7.705+/-0.036 χ^2/NDF :10342.0/22
 All: 7.706+/-0.025 χ^2/NDF : 18624.2/44

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.852 ± 0.117 χ^2/NDF : 293.2/16

Left Out: 0.033 ± 0.029 χ^2/NDF : 5444.3/22

Right Out: 2.372 ± 0.123 χ^2/NDF : 335.5/18

Left In: -0.029 ± 0.029 χ^2/NDF : 4794.8/21

Left: 0.002 ± 0.020 χ^2/NDF : 10241.5/44

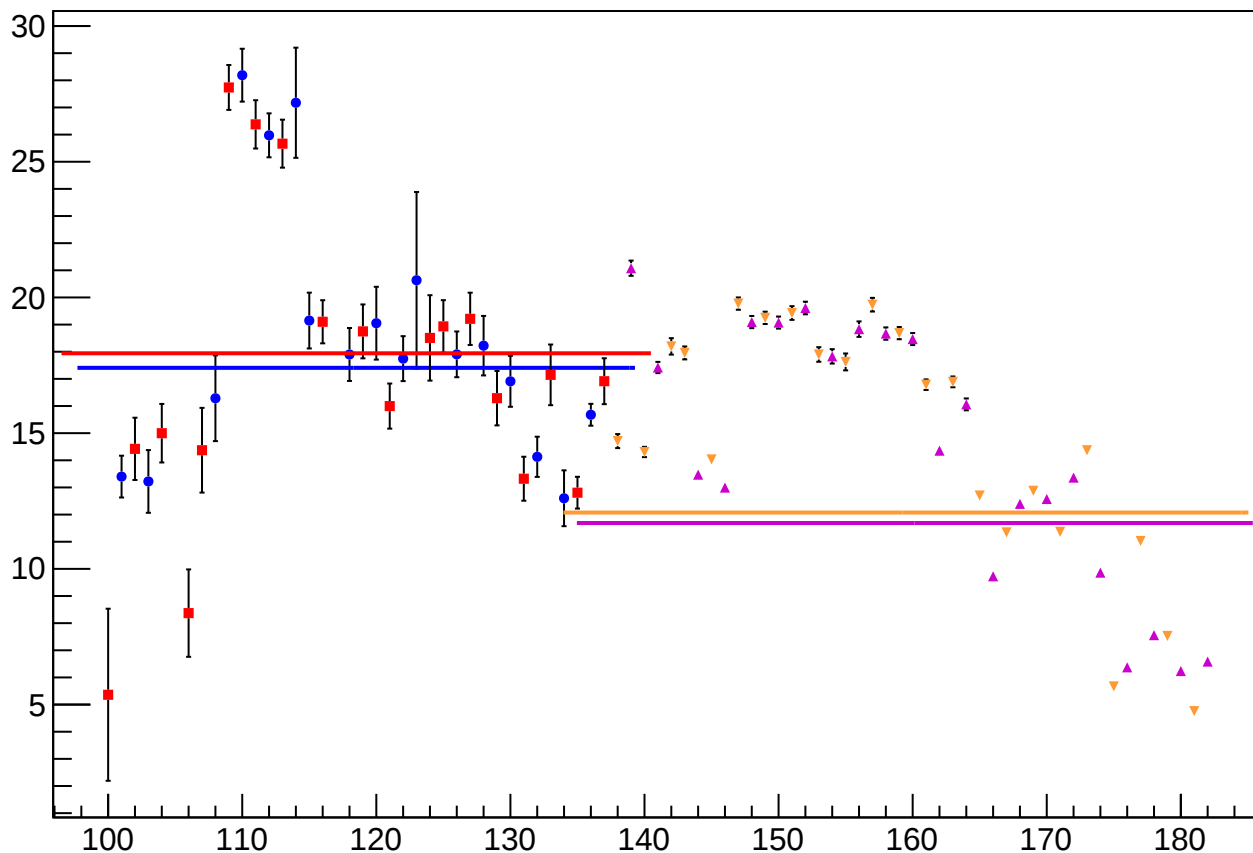
Right: 2.100 ± 0.085 χ^2/NDF : 638.2/35

In: 0.076 ± 0.028 χ^2/NDF : 5330.9/38

Out: 0.155 ± 0.028 χ^2/NDF : 6124.0/41

All: 0.115 ± 0.020 χ^2/NDF : 11459.1/80

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Left: 11.878 ± 0.025 $\chi^2/\text{NDF} = 34440.4/44$

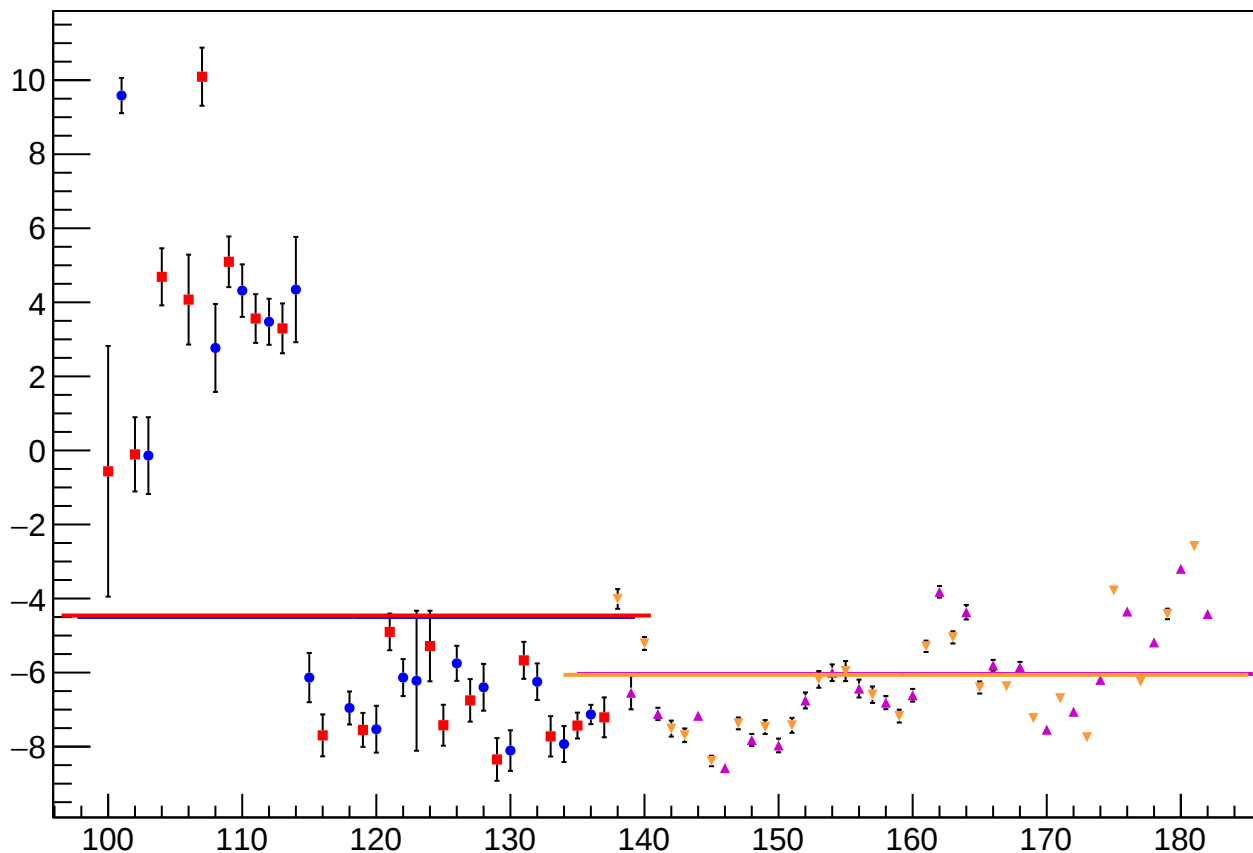
Right: 17.667 ± 0.153 $\chi^2/\text{NDF} = 873.7/35$

In: 11.846 ± 0.035 $\chi^2/\text{NDF} = 17748.0/38$

Out: 12.233 ± 0.036 $\chi^2/\text{NDF} = 18903.3/41$

All: 12.035 ± 0.025 $\chi^2/\text{NDF} = 36710.5/80$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.497 ± 0.131 χ^2/NDF : 1582.8/16

Left Out: -6.061 ± 0.032 χ^2/NDF : 2475.3/22

Right Out: -4.458 ± 0.137 χ^2/NDF : 1340.5/18

Left In: -6.037 ± 0.032 χ^2/NDF : 2290.7/21

Left: -6.049 ± 0.023 χ^2/NDF : 4766.3/44

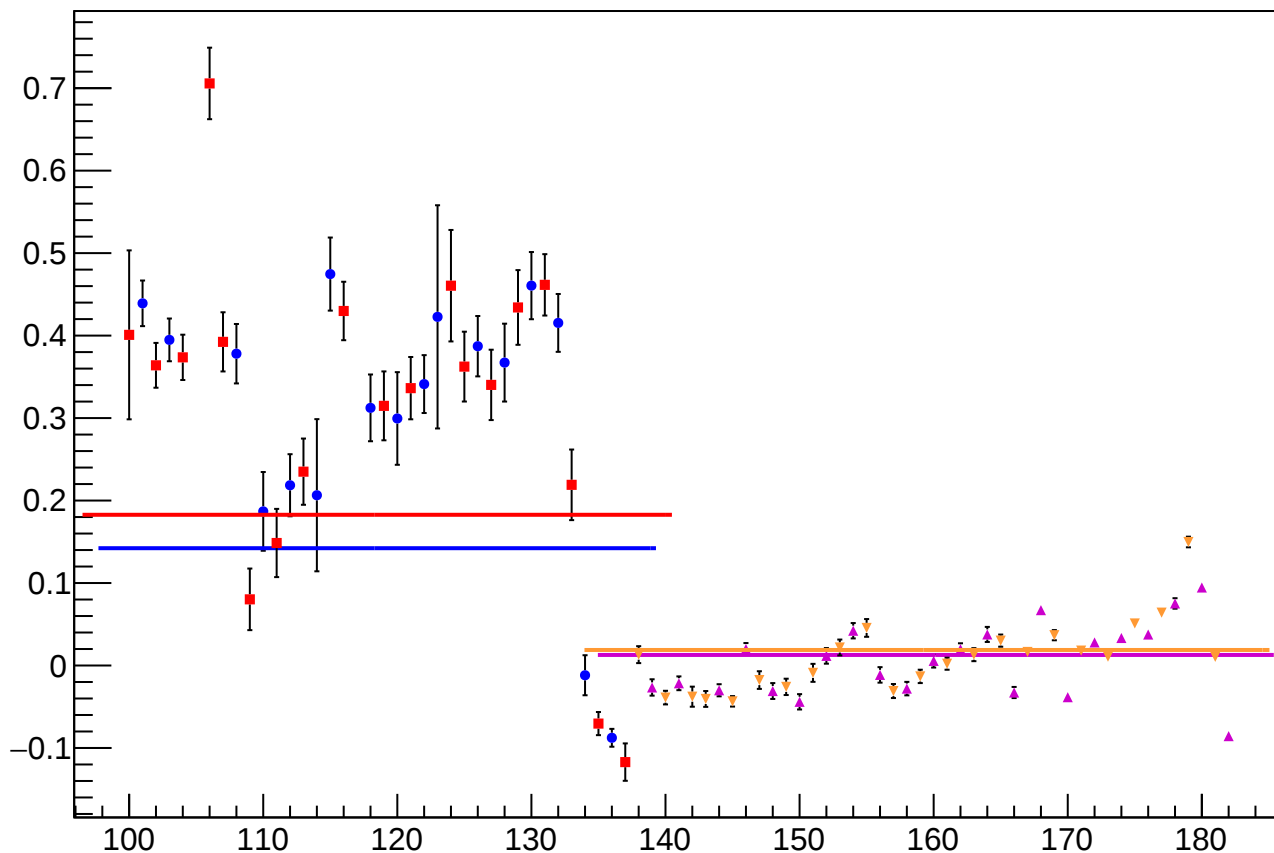
Right: -4.478 ± 0.095 χ^2/NDF : 2923.4/35

In: -5.950 ± 0.031 χ^2/NDF : 4004.8/38

Out: -5.976 ± 0.032 χ^2/NDF : 3945.0/41

All: -5.963 ± 0.022 χ^2/NDF : 7950.2/80

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 $\pm$ 0.007 χ^2 /NDF: 1057.7/16

Left Out: 0.019 $\pm$ 0.001 χ^2 /NDF:839.0/22

Right Out: 0.183 $\pm$ 0.007 χ^2 /NDF: 999.1/18

Left In: 0.013 $\pm$ 0.001 χ^2 /NDF:1056.1/21

Left: 0.016 $\pm$ 0.001 χ^2 /NDF: 1903.4/44

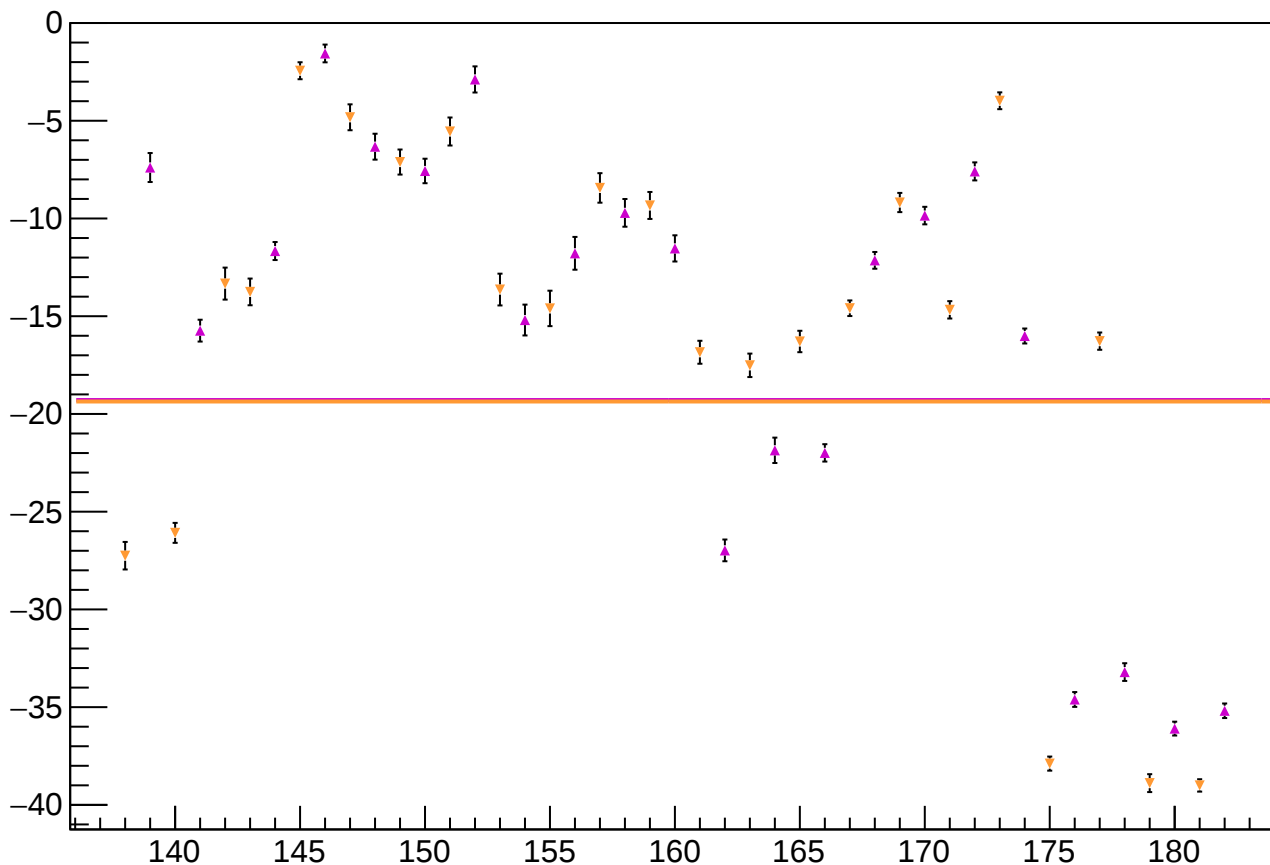
Right: 0.162 $\pm$ 0.005 χ^2 /NDF: 2072.4/35

In: 0.018 $\pm$ 0.001 χ^2 /NDF:2434.7/38

Out: 0.025 $\pm$ 0.001 χ^2 /NDF:2307.7/41

All: 0.022 $\pm$ 0.001 χ^2 /NDF: 4754.3/80

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: -19.363+/-0.108 χ^2/NDF :14024.5/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -19.290+/-0.106 χ^2/NDF :12183.3/21

Left: -19.325+/-0.076 χ^2/NDF : 26208.1/44

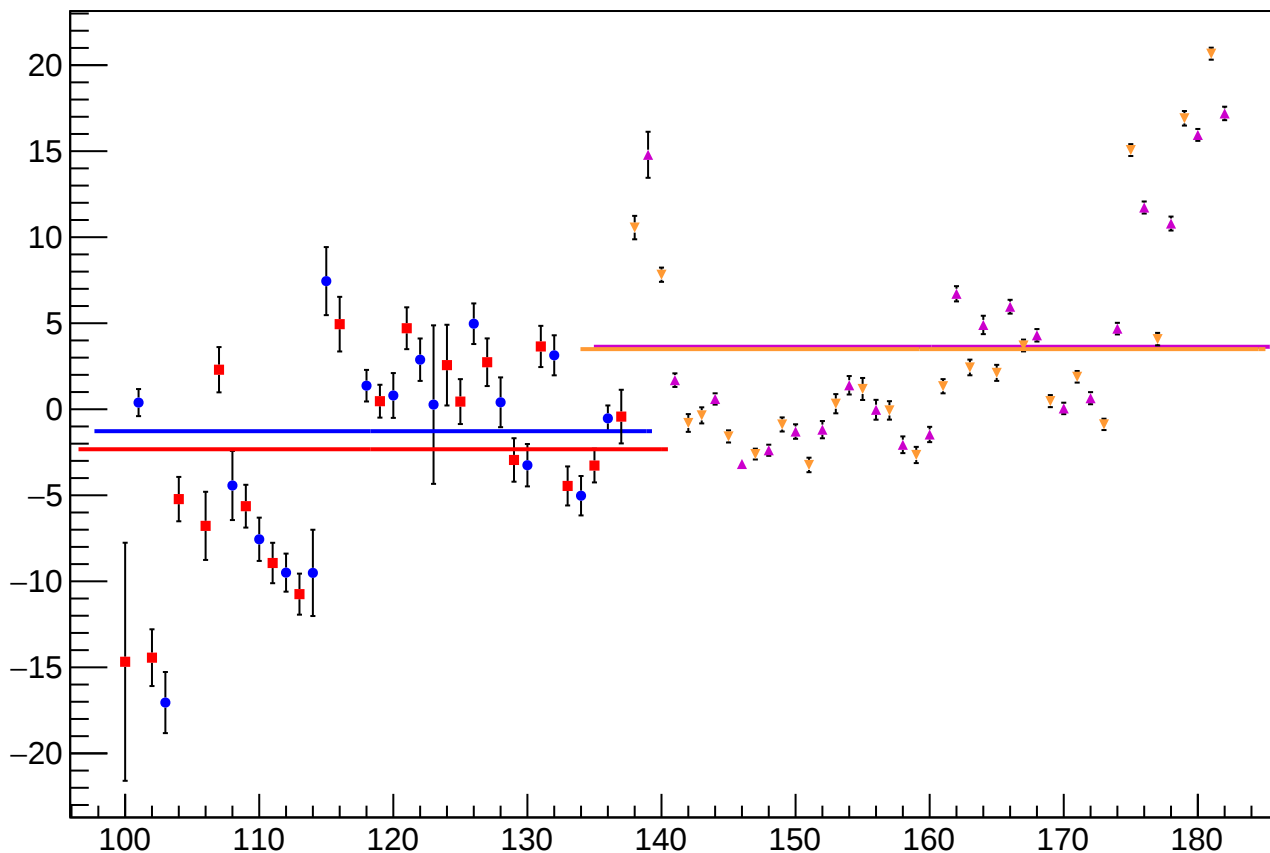
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.290+/-0.106 χ^2/NDF :12183.3/21

Out: -19.363+/-0.108 χ^2/NDF :14024.5/22

All: -19.325+/-0.076 χ^2/NDF : 26208.1/44

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.274 ± 0.293 χ^2/NDF : 276.5/16

Left Out: 3.495 ± 0.085 χ^2/NDF : 6418.1/22

Right Out: -2.325 ± 0.303 χ^2/NDF : 284.4/18

Left In: 3.632 ± 0.084 χ^2/NDF : 5253.9/21

Left: 3.564 ± 0.060 χ^2/NDF : 11673.3/44

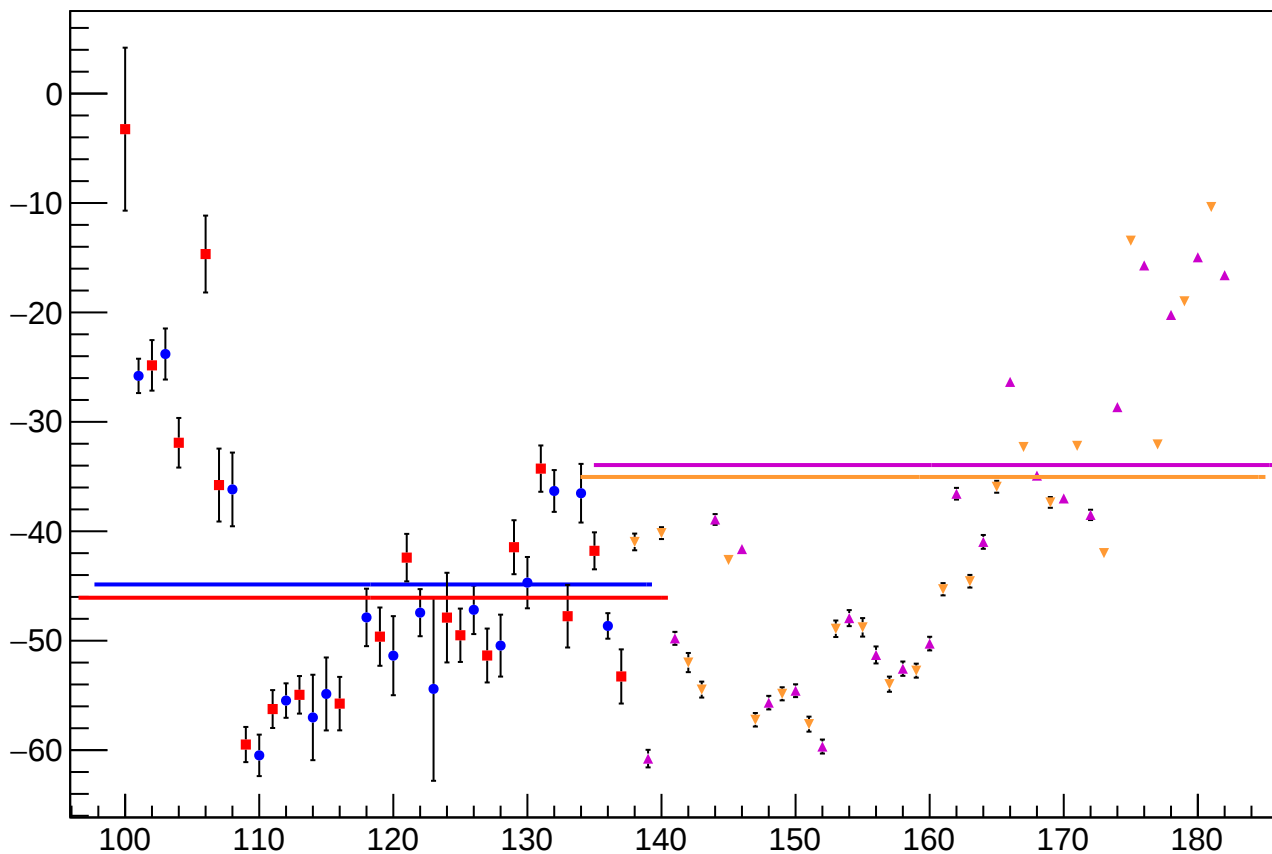
Right: -1.782 ± 0.210 χ^2/NDF : 567.2/35

In: 3.257 ± 0.081 χ^2/NDF : 5789.7/38

Out: 3.072 ± 0.082 χ^2/NDF : 7045.2/41

All: 3.165 ± 0.057 χ^2/NDF : 12837.5/80

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.859 ± 0.525 $\chi^2/\text{NDF}: 420.2/16$
 Left Out: -35.036 ± 0.109 $\chi^2/\text{NDF}: 18528.2/22$
 Right Out: -46.073 ± 0.529 $\chi^2/\text{NDF}: 453.9/18$
 Left In: -33.948 ± 0.106 $\chi^2/\text{NDF}: 17616.5/21$

Left: -34.481 ± 0.076 $\chi^2/\text{NDF}: 36195.9/44$

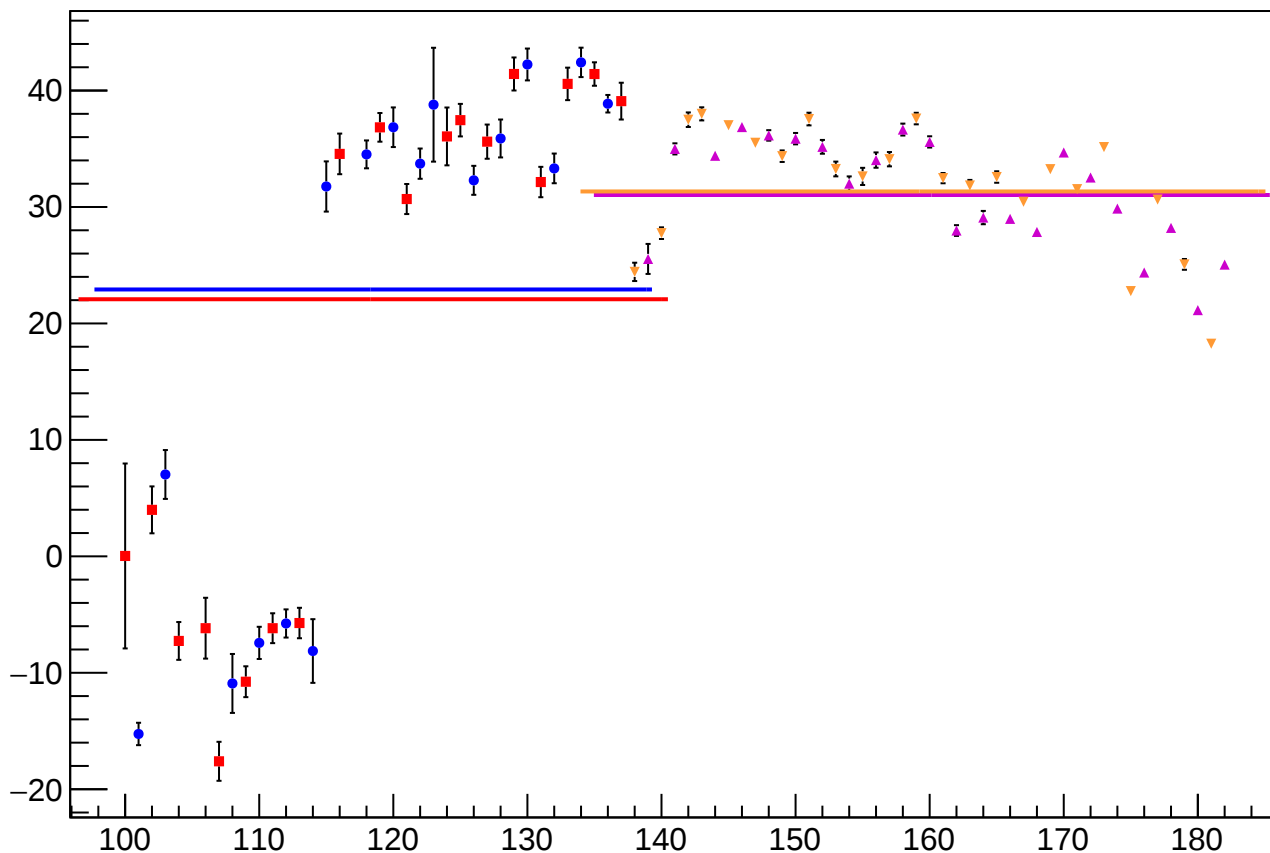
Right: -45.461 ± 0.373 $\chi^2/\text{NDF}: 876.7/35$

In: -34.378 ± 0.104 $\chi^2/\text{NDF}: 18451.4/38$

Out: -35.482 ± 0.106 $\chi^2/\text{NDF}: 19399.1/41$

All: -34.919 ± 0.074 $\chi^2/\text{NDF}: 37905.3/80$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.917 $\pm$ 0.329 χ^2 /NDF: 4317.2/16

Left Out: 31.335 $\pm$ 0.096 χ^2 /NDF:3133.5/22

Right Out: 22.078 $\pm$ 0.341 χ^2 /NDF: 4029.9/18

Left In: 31.030 $\pm$ 0.095 χ^2 /NDF:2479.5/21

Left: 31.181 $\pm$ 0.067 χ^2 /NDF: 5618.1/44

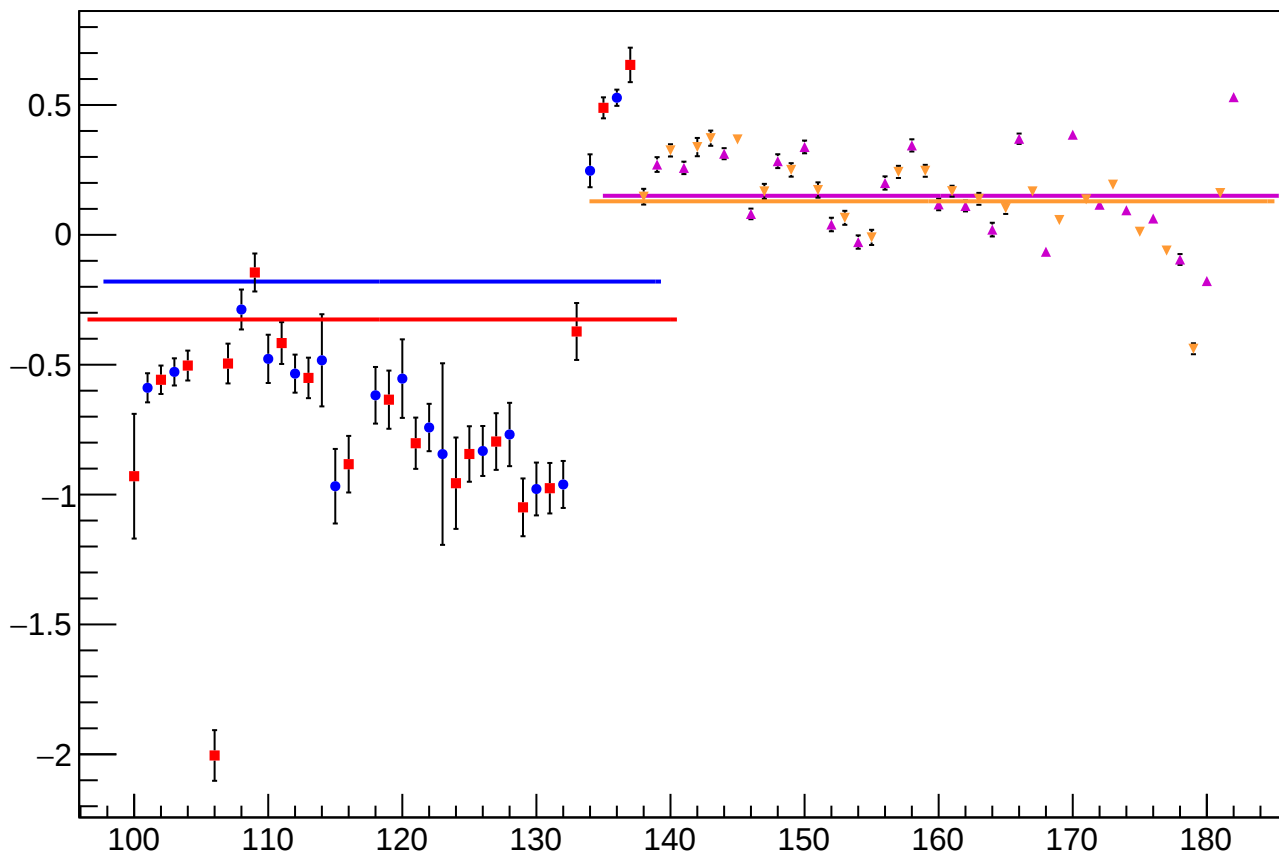
Right: 22.513 $\pm$ 0.236 χ^2 /NDF: 8350.2/35

In: 30.405 $\pm$ 0.091 χ^2 /NDF:7359.3/38

Out: 30.657 $\pm$ 0.092 χ^2 /NDF:7848.1/41

All: 30.530 $\pm$ 0.065 χ^2 /NDF: 15211.1/80

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180 ± 0.018 χ^2/NDF : 995.2/16

Left Out: 0.129 ± 0.004 χ^2/NDF : 1396.3/22

Right Out: -0.326 ± 0.018 χ^2/NDF : 1174.1/18

Left In: 0.150 ± 0.004 χ^2/NDF : 1802.6/21

Left: 0.140 ± 0.003 χ^2/NDF : 3210.6/44

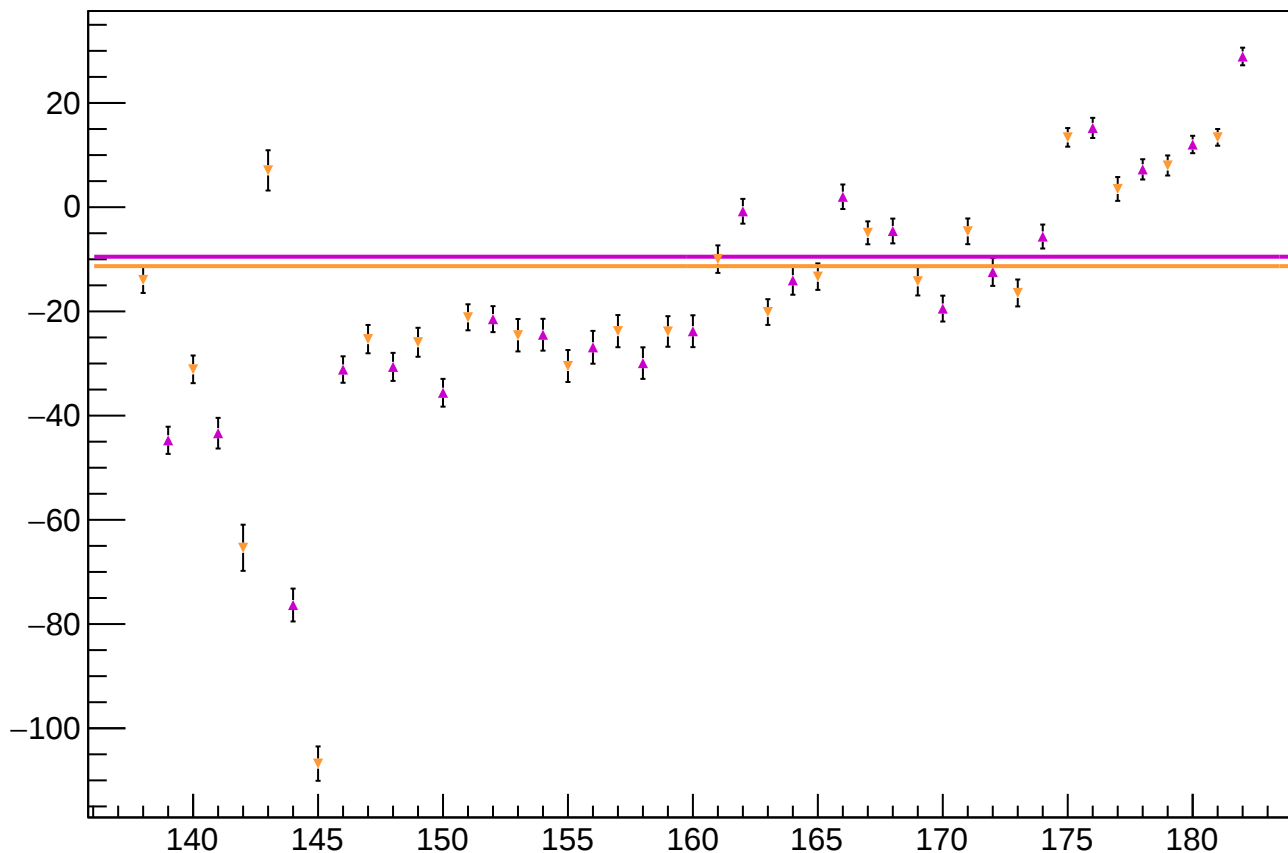
Right: -0.251 ± 0.013 χ^2/NDF : 2202.1/35

In: 0.132 ± 0.004 χ^2/NDF : 3123.2/38

Out: 0.104 ± 0.004 χ^2/NDF : 3159.5/41

All: 0.118 ± 0.003 χ^2/NDF : 6304.0/80

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected

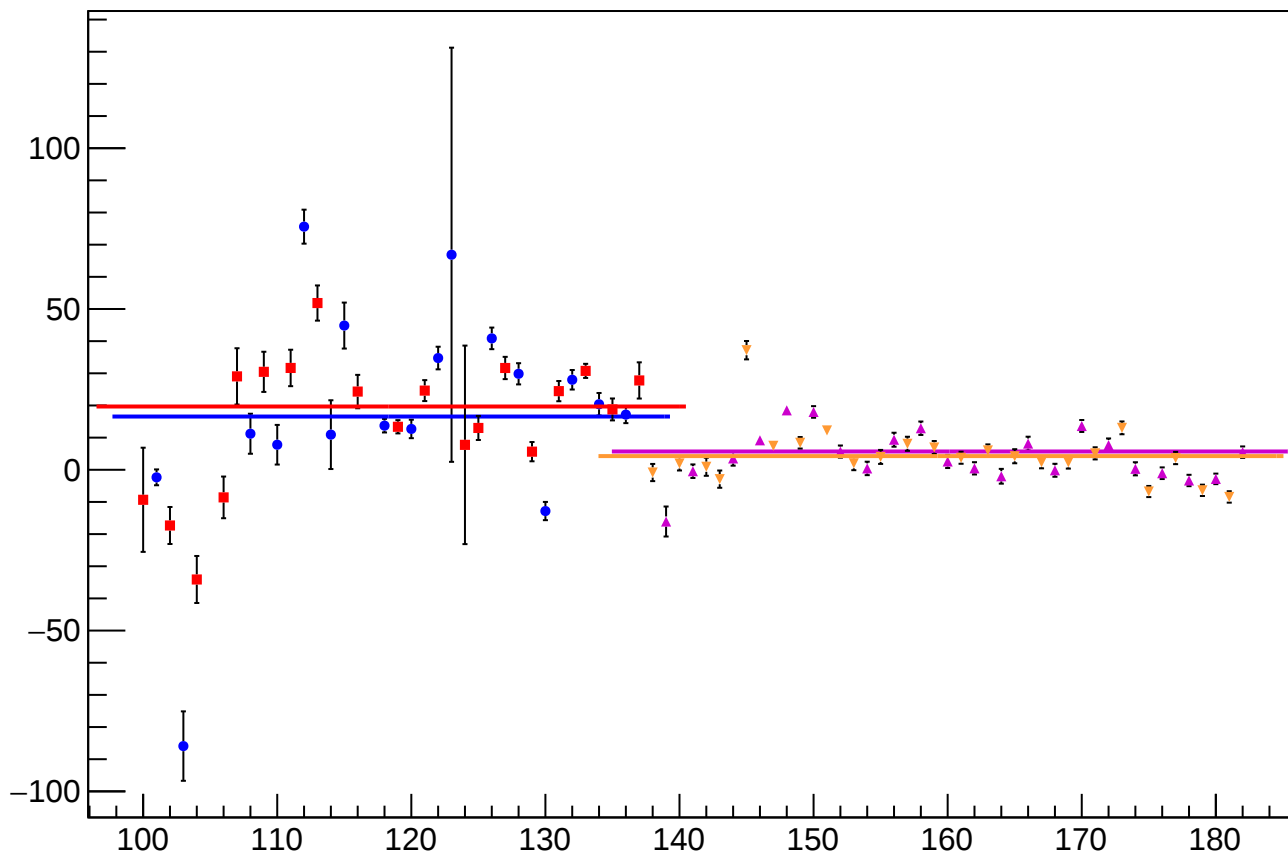


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -11.316+/-0.523 χ^2/NDF :1834.7/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -9.504+/-0.514 χ^2/NDF :2124.9/21

Left: -10.394+/-0.367 χ^2/NDF : 3965.6/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -9.504+/-0.514 χ^2/NDF :2124.9/21
 Out: -11.316+/-0.523 χ^2/NDF :1834.7/22

All: -10.394+/-0.367 χ^2/NDF : 3965.6/44

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.559 $\pm$ 0.860 χ^2 /NDF: 514.9/16

Left Out: 4.255 $\pm$ 0.404 χ^2 /NDF: 345.9/22

Right Out: 19.678 $\pm$ 0.898 χ^2 /NDF: 240.6/18

Left In: 5.693 $\pm$ 0.408 χ^2 /NDF: 324.0/21

Left: 4.967 $\pm$ 0.287 χ^2 /NDF: 676.2/44

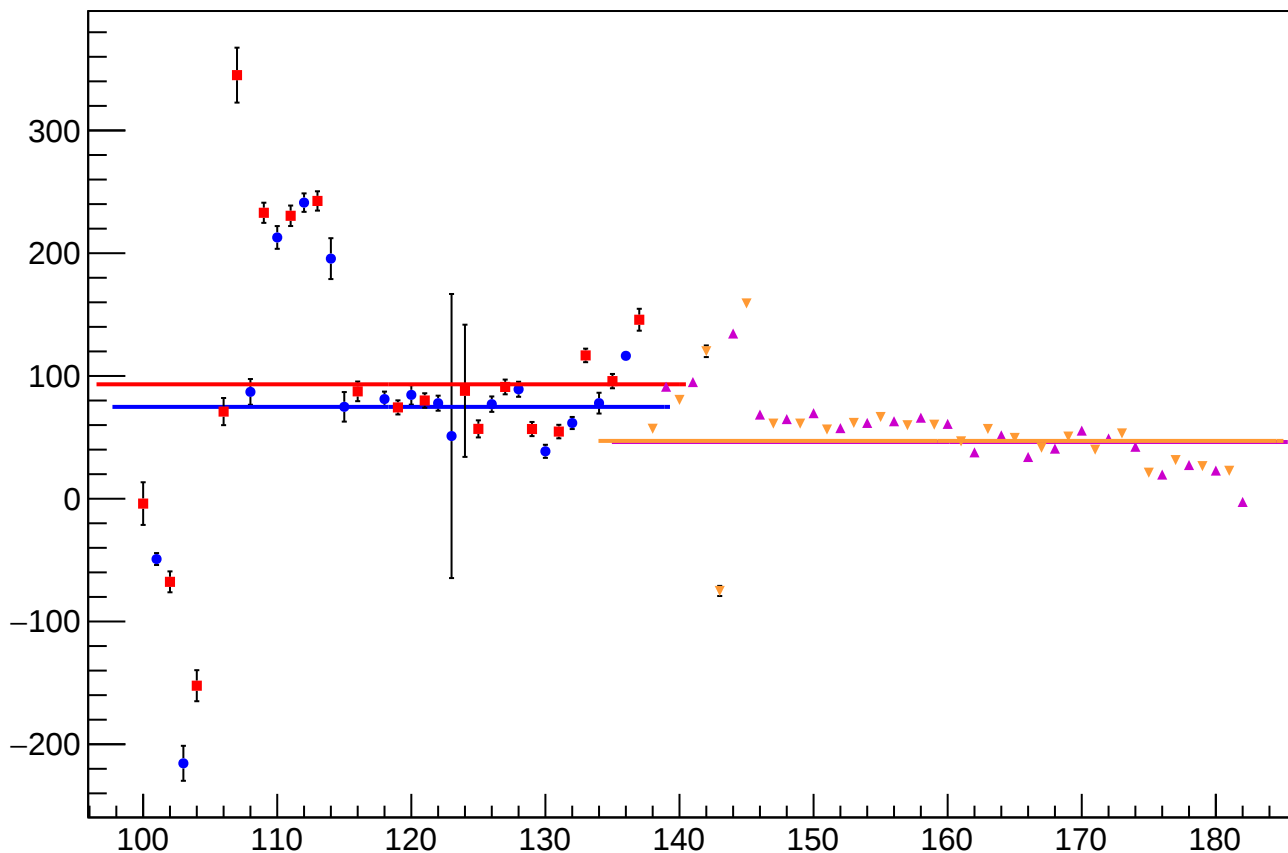
Right: 18.051 $\pm$ 0.621 χ^2 /NDF: 761.8/35

In: 7.688 $\pm$ 0.368 χ^2 /NDF: 969.3/38

Out: 6.852 $\pm$ 0.368 χ^2 /NDF: 832.0/41

All: 7.270 $\pm$ 0.261 χ^2 /NDF: 1803.8/80

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 74.816 $\pm$ 1.649 χ^2 /NDF: 1994.3/16

Left Out: 47.110 $\pm$ 0.520 χ^2 /NDF: 3156.5/22

Right Out: 93.209 $\pm$ 1.715 χ^2 /NDF: 2001.2/18

Left In: 46.202 $\pm$ 0.511 χ^2 /NDF: 2899.2/21

Left: 46.648 $\pm$ 0.364 χ^2 /NDF: 6057.2/44

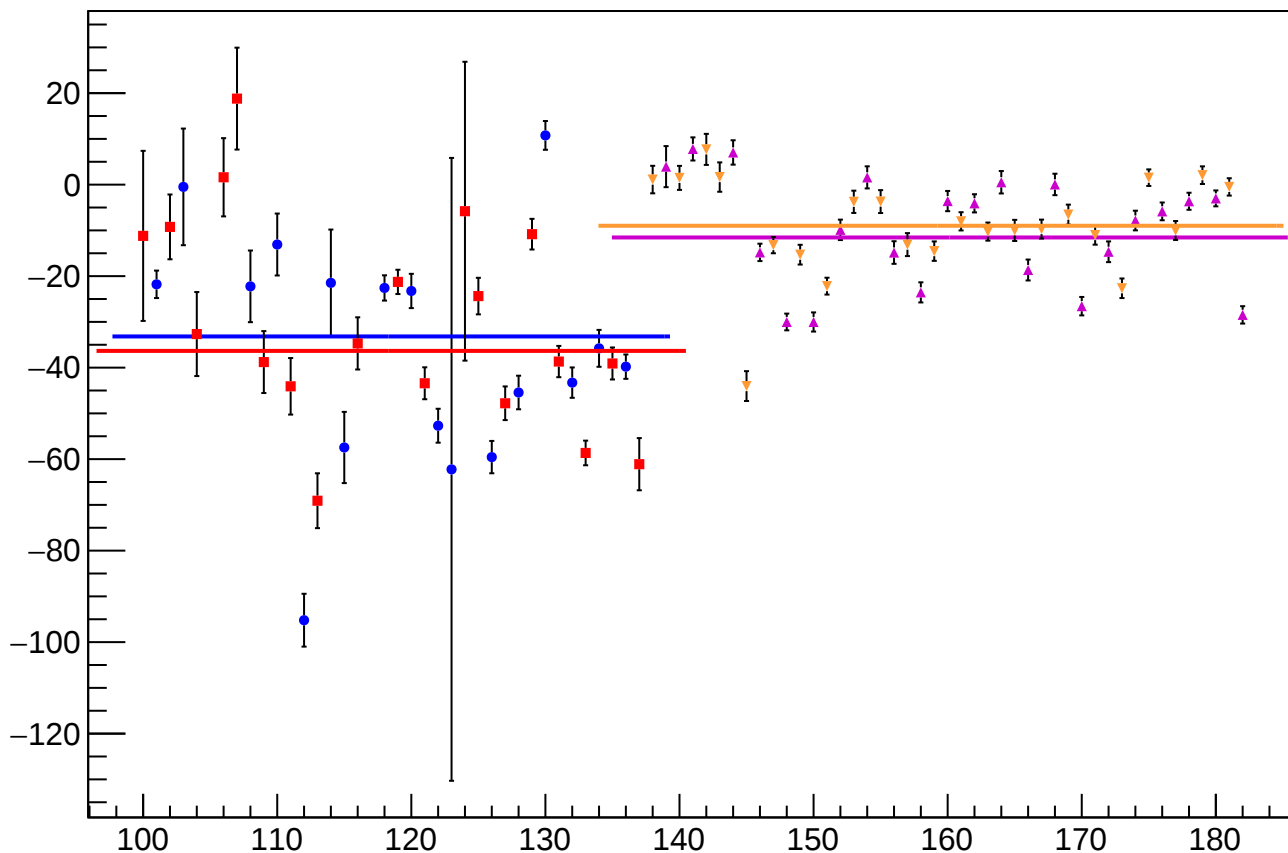
Right: 83.653 $\pm$ 1.189 χ^2 /NDF: 4055.2/35

In: 48.706 $\pm$ 0.488 χ^2 /NDF: 5168.1/38

Out: 50.991 $\pm$ 0.498 χ^2 /NDF: 5819.2/41

All: 49.826 $\pm$ 0.348 χ^2 /NDF: 10998.1/80

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.182 ± 0.984 $\chi^2/\text{NDF}: 485.4/16$

Left Out: -8.987 ± 0.459 $\chi^2/\text{NDF}: 392.7/22$

Right Out: -36.341 ± 1.026 $\chi^2/\text{NDF}: 295.1/18$

Left In: -11.546 ± 0.461 $\chi^2/\text{NDF}: 640.1/21$

Left: -10.263 ± 0.325 $\chi^2/\text{NDF}: 1048.3/44$

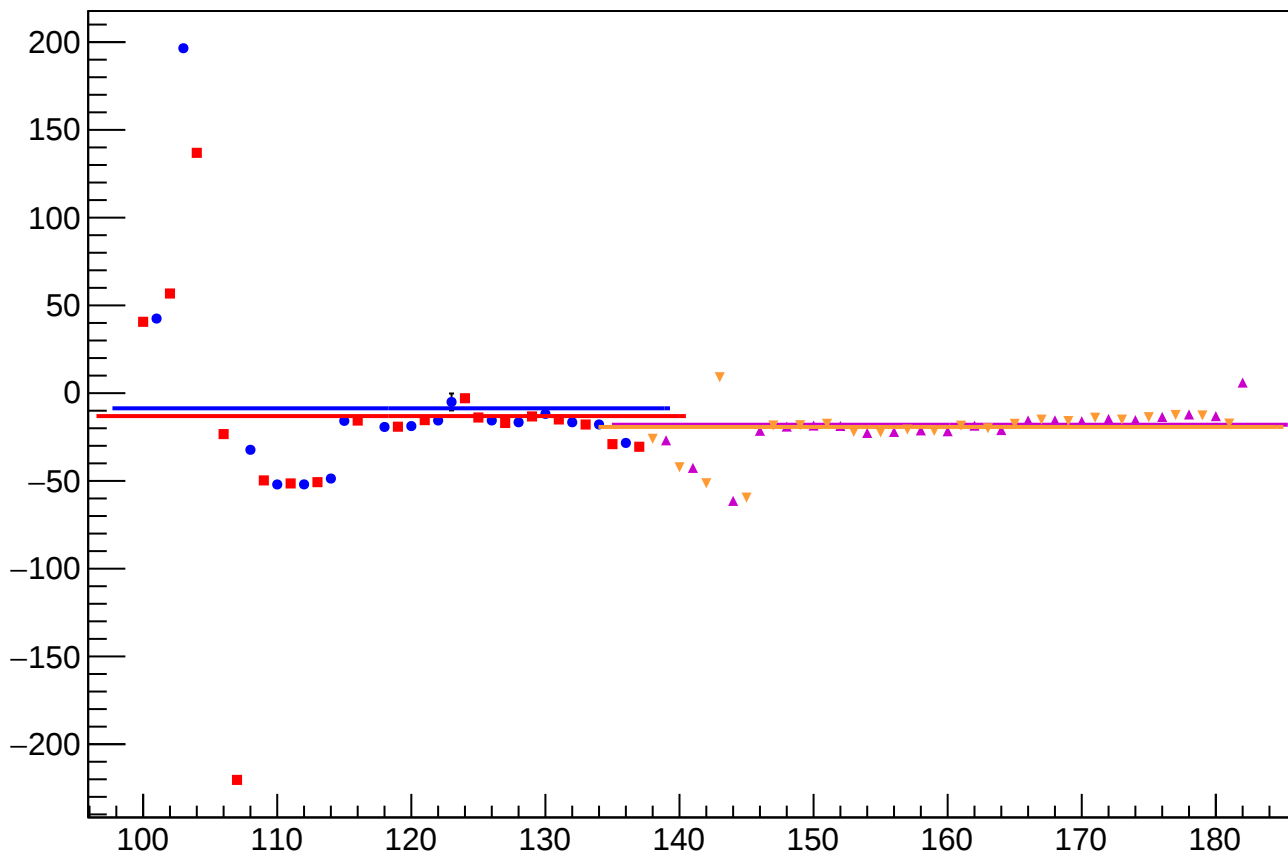
Right: -34.695 ± 0.710 $\chi^2/\text{NDF}: 785.4/35$

In: -15.437 ± 0.417 $\chi^2/\text{NDF}: 1522.4/38$

Out: -13.555 ± 0.419 $\chi^2/\text{NDF}: 1279.7/41$

All: -14.501 ± 0.296 $\chi^2/\text{NDF}: 2812.2/80$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Left: -18.612 ± 0.015 $\chi^2/\text{NDF}: 449077.2/44$

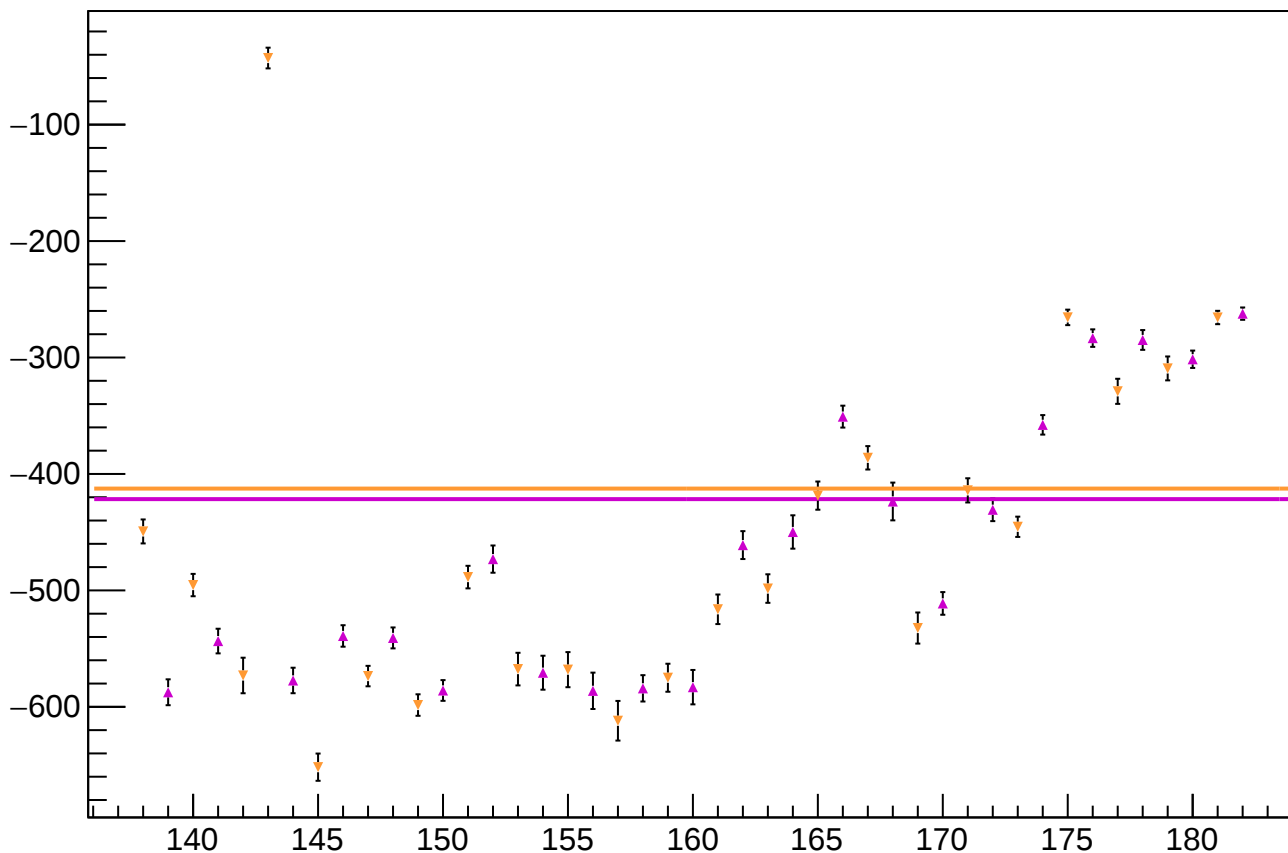
Right: -10.746 ± 0.043 $\chi^2/\text{NDF}: 1136551.9/35$

In: -16.949 ± 0.020 $\chi^2/\text{NDF}: 831103.1/38$

Out: -18.604 ± 0.020 $\chi^2/\text{NDF}: 781237.8/41$

All: -17.762 ± 0.014 $\chi^2/\text{NDF}: 1615804.4/80$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -412.562 ± 2.092 χ^2/NDF : 5217.6/22

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

Left In: -421.610 ± 2.050 χ^2/NDF : 3774.6/21

Left: -417.179 ± 1.464 χ^2/NDF : 9001.7/44

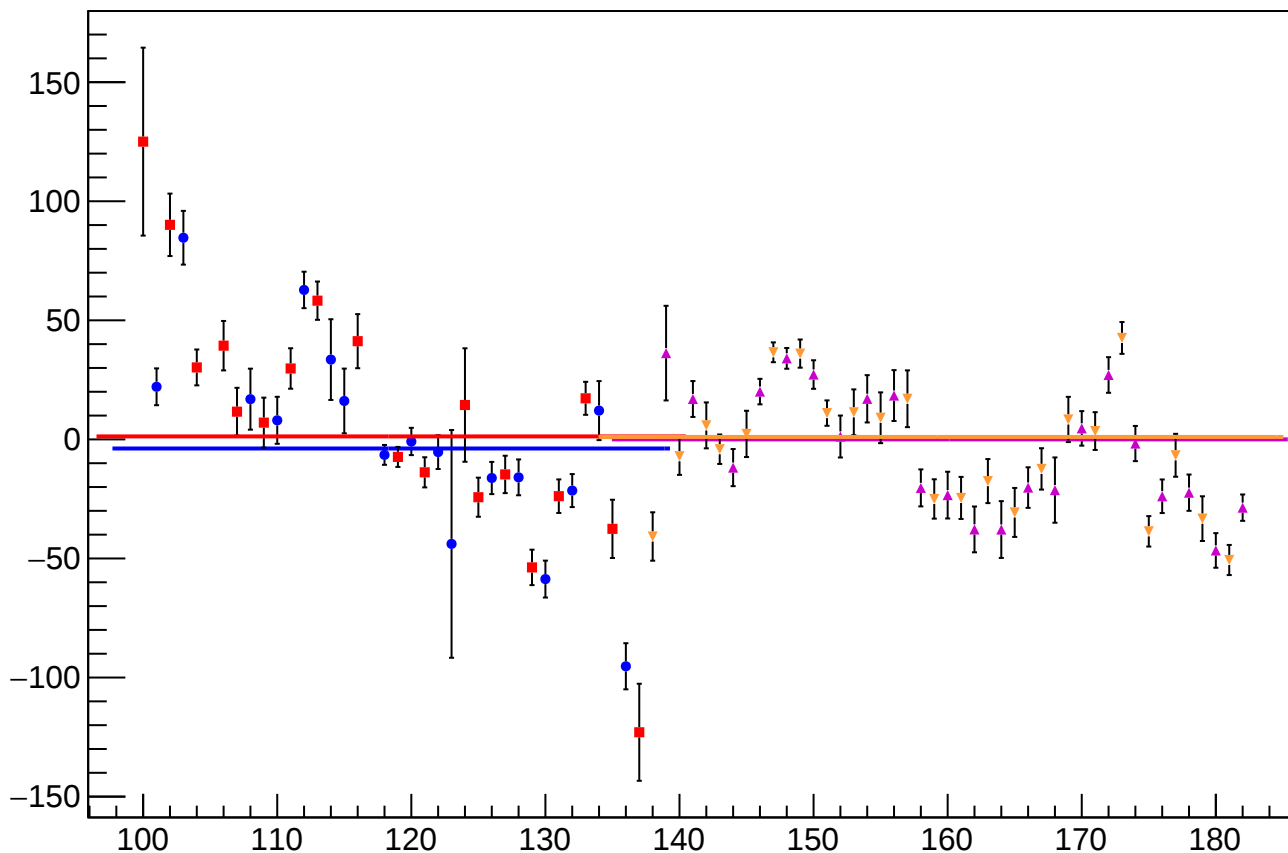
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -421.610 ± 2.050 χ^2/NDF : 3774.6/21

Out: -412.562 ± 2.092 χ^2/NDF : 5217.6/22

All: -417.179 ± 1.464 χ^2/NDF : 9001.7/44

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.821 ± 1.927 χ^2/NDF : 314.4/16

Left Out: 1.032 ± 1.570 χ^2/NDF : 326.9/22

Right Out: 1.253 ± 1.917 χ^2/NDF : 303.3/18

Left In: 0.010 ± 1.597 χ^2/NDF : 260.2/21

Left: 0.530 ± 1.120 χ^2/NDF : 587.2/44

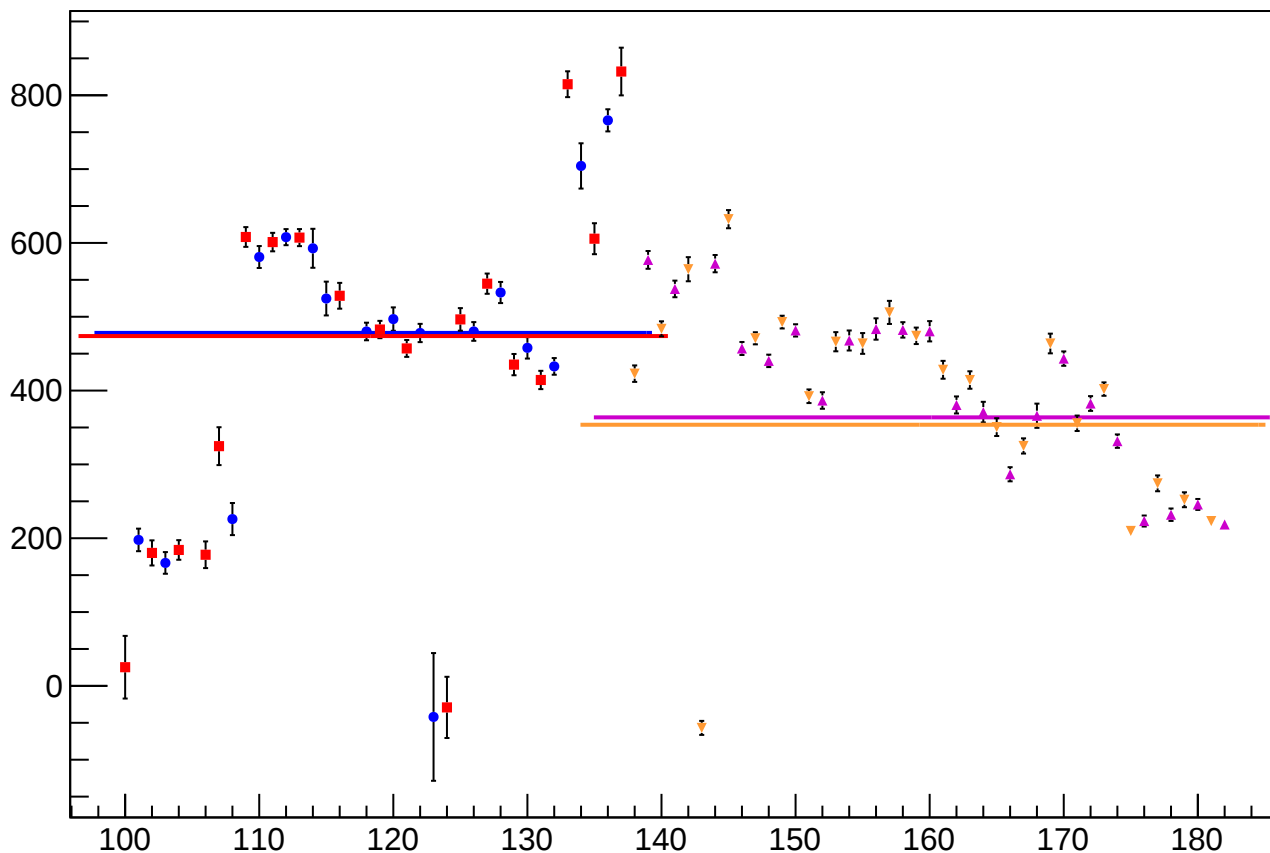
Right: -1.271 ± 1.359 χ^2/NDF : 621.2/35

In: -1.551 ± 1.230 χ^2/NDF : 576.9/38

Out: 1.121 ± 1.214 χ^2/NDF : 630.2/41

All: -0.198 ± 0.864 χ^2/NDF : 1209.4/80

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.121+/-3.670 χ^2/NDF : 1627.6/16

Left Out: 353.718+/-2.091 χ^2/NDF : 4847.7/22

Right Out: 473.847+/-3.538 χ^2/NDF : 2285.5/18

Left In: 363.721+/-2.044 χ^2/NDF : 3296.4/21

Left: 358.834+/-1.461 χ^2/NDF : 8155.8/44

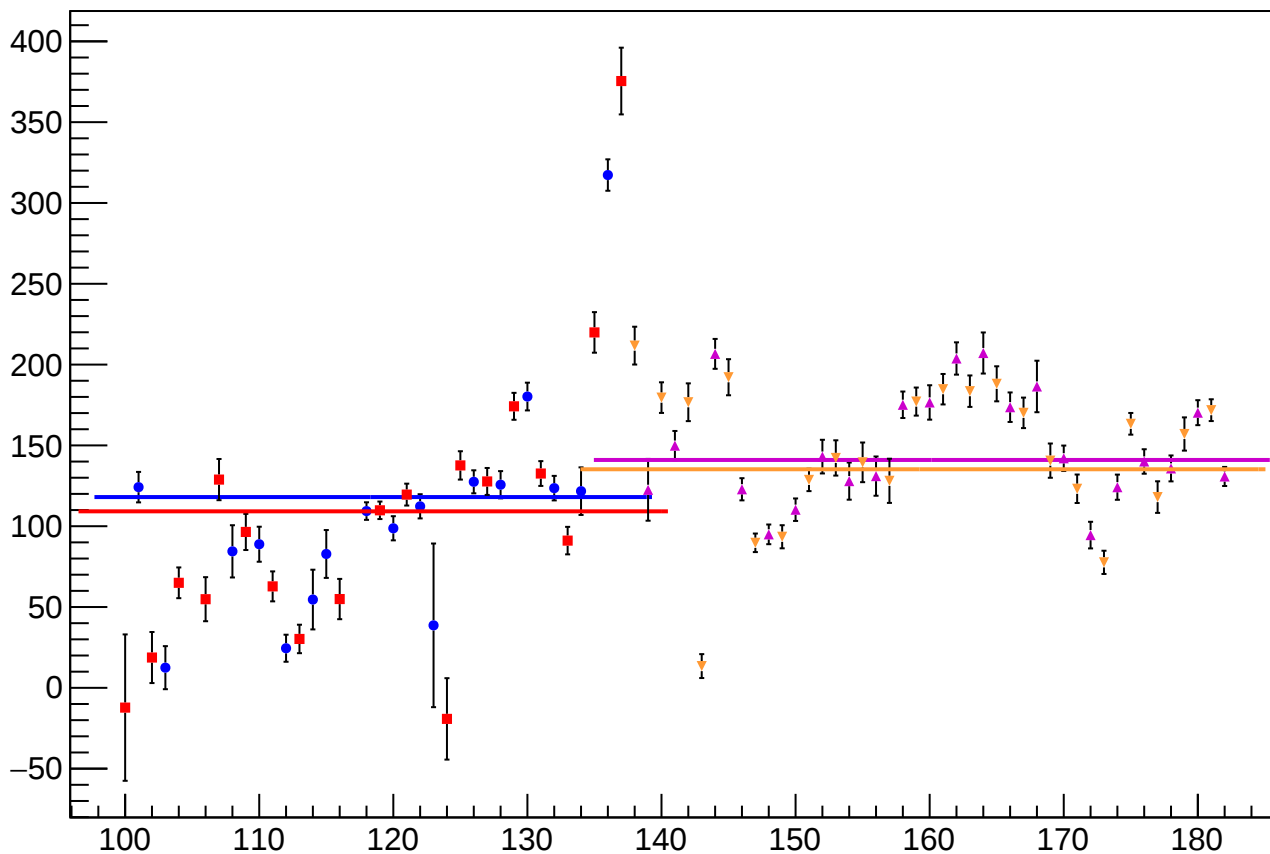
Right: 475.905+/-2.547 χ^2/NDF : 3913.8/35

In: 390.791+/-1.785 χ^2/NDF : 5665.6/38

Out: 384.819+/-1.800 χ^2/NDF : 7987.7/41

All: 387.829+/-1.268 χ^2/NDF : 13658.9/80

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.036 ± 2.231 $\chi^2/\text{NDF}: 705.1/16$

Left Out: 135.231 ± 1.816 $\chi^2/\text{NDF}: 707.0/22$

Right Out: 109.208 ± 2.209 $\chi^2/\text{NDF}: 568.1/18$

Left In: 140.994 ± 1.824 $\chi^2/\text{NDF}: 308.3/21$

Left: 138.101 ± 1.287 $\chi^2/\text{NDF}: 1020.3/44$

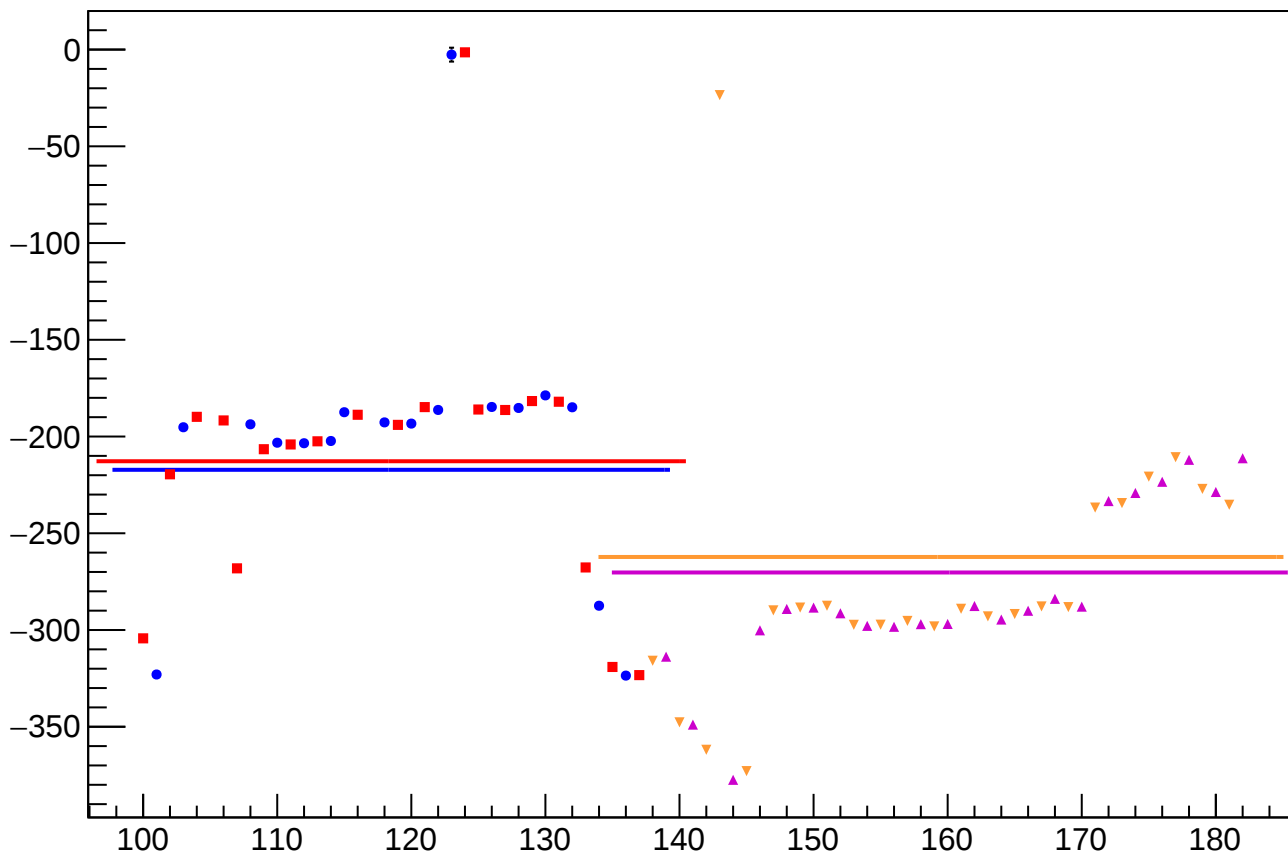
Right: 113.580 ± 1.570 $\chi^2/\text{NDF}: 1281.1/35$

In: 131.795 ± 1.412 $\chi^2/\text{NDF}: 1076.8/38$

Out: 124.738 ± 1.403 $\chi^2/\text{NDF}: 1358.0/41$

All: 128.244 ± 0.995 $\chi^2/\text{NDF}: 2447.4/80$

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.198 ± 0.137 $\chi^2/\text{NDF}: 146444.6/16$

Left Out: -262.250 ± 0.087 $\chi^2/\text{NDF}: 631662.8/22$

Right Out: -212.772 ± 0.130 $\chi^2/\text{NDF}: 115507.3/18$

Left In: -270.267 ± 0.085 $\chi^2/\text{NDF}: 248277.8/21$

Left: -266.344 ± 0.061 $\chi^2/\text{NDF}: 884278.6/44$

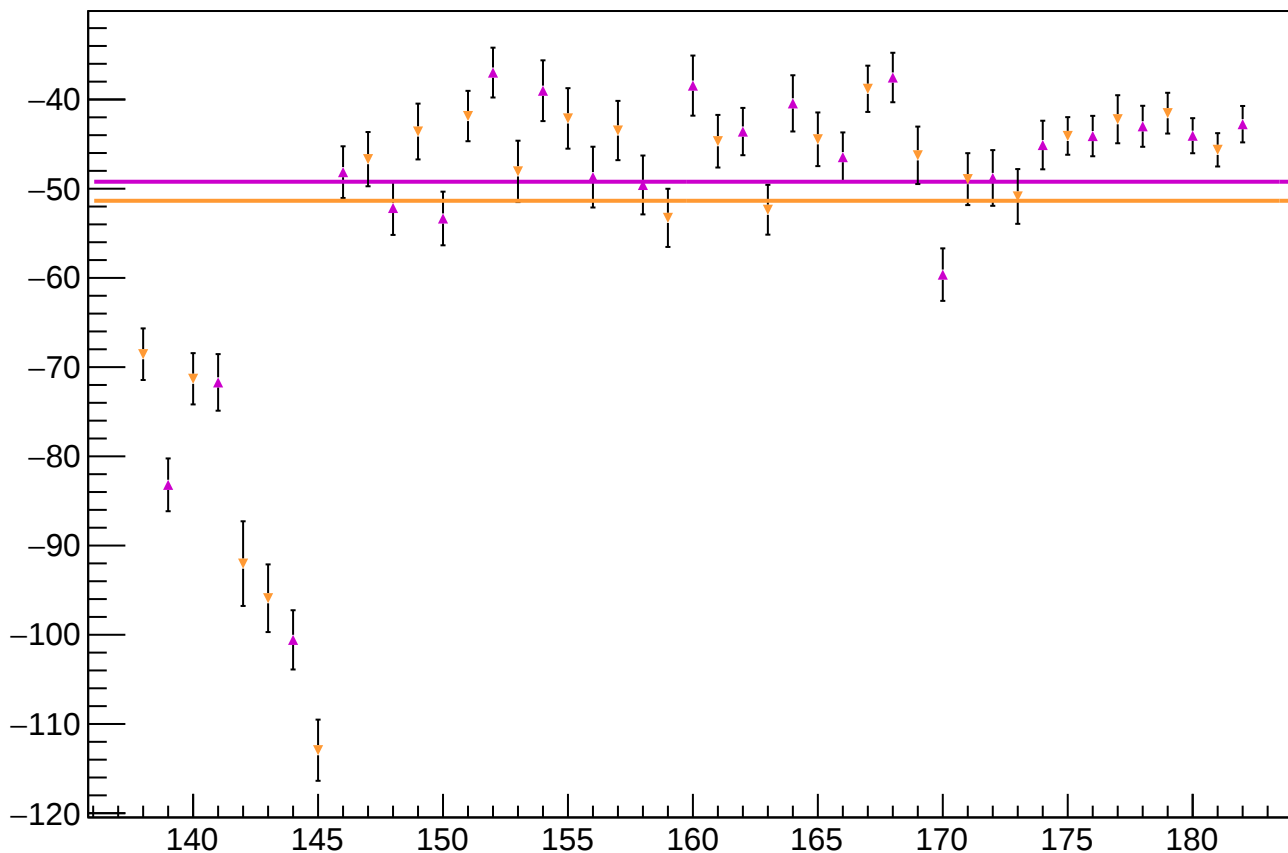
Right: -214.879 ± 0.094 $\chi^2/\text{NDF}: 262500.7/35$

In: -255.447 ± 0.072 $\chi^2/\text{NDF}: 503196.2/38$

Out: -247.003 ± 0.072 $\chi^2/\text{NDF}: 846845.5/41$

All: -251.229 ± 0.051 $\chi^2/\text{NDF}: 1356856.6/80$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -51.354 ± 0.598 $\chi^2/\text{NDF}: 740.2/22$

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

Left In: -49.219 ± 0.591 $\chi^2/\text{NDF}: 537.9/21$

Left: -50.274 ± 0.420 $\chi^2/\text{NDF}: 1284.6/44$

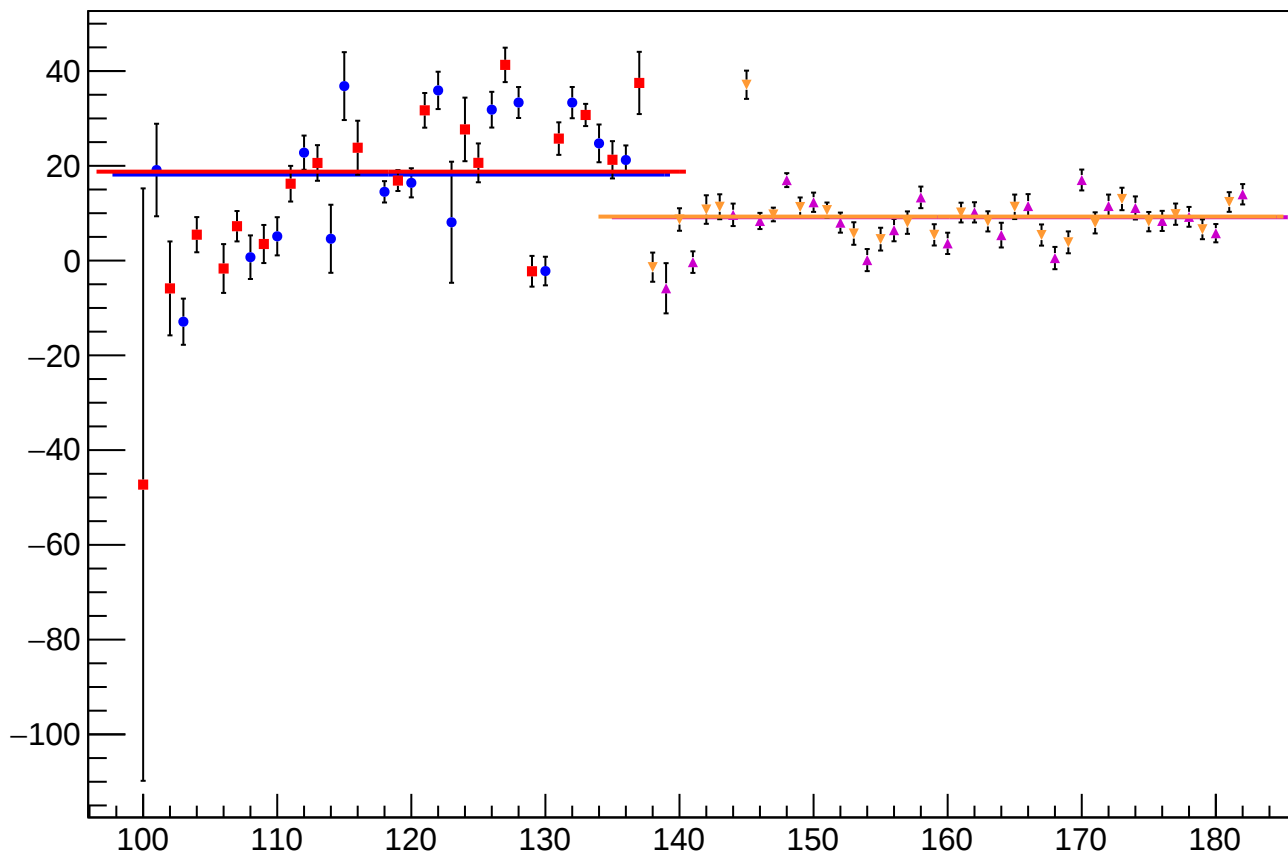
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -49.219 ± 0.591 $\chi^2/\text{NDF}: 537.9/21$

Out: -51.354 ± 0.598 $\chi^2/\text{NDF}: 740.2/22$

All: -50.274 ± 0.420 $\chi^2/\text{NDF}: 1284.6/44$

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.157 ± 0.919 χ^2/NDF : 206.6/16

Left Out: 9.282 ± 0.458 χ^2/NDF : 127.9/22

Right Out: 18.770 ± 0.864 χ^2/NDF : 199.0/18

Left In: 9.148 ± 0.465 χ^2/NDF : 121.8/21

Left: 9.216 ± 0.326 χ^2/NDF : 249.7/44

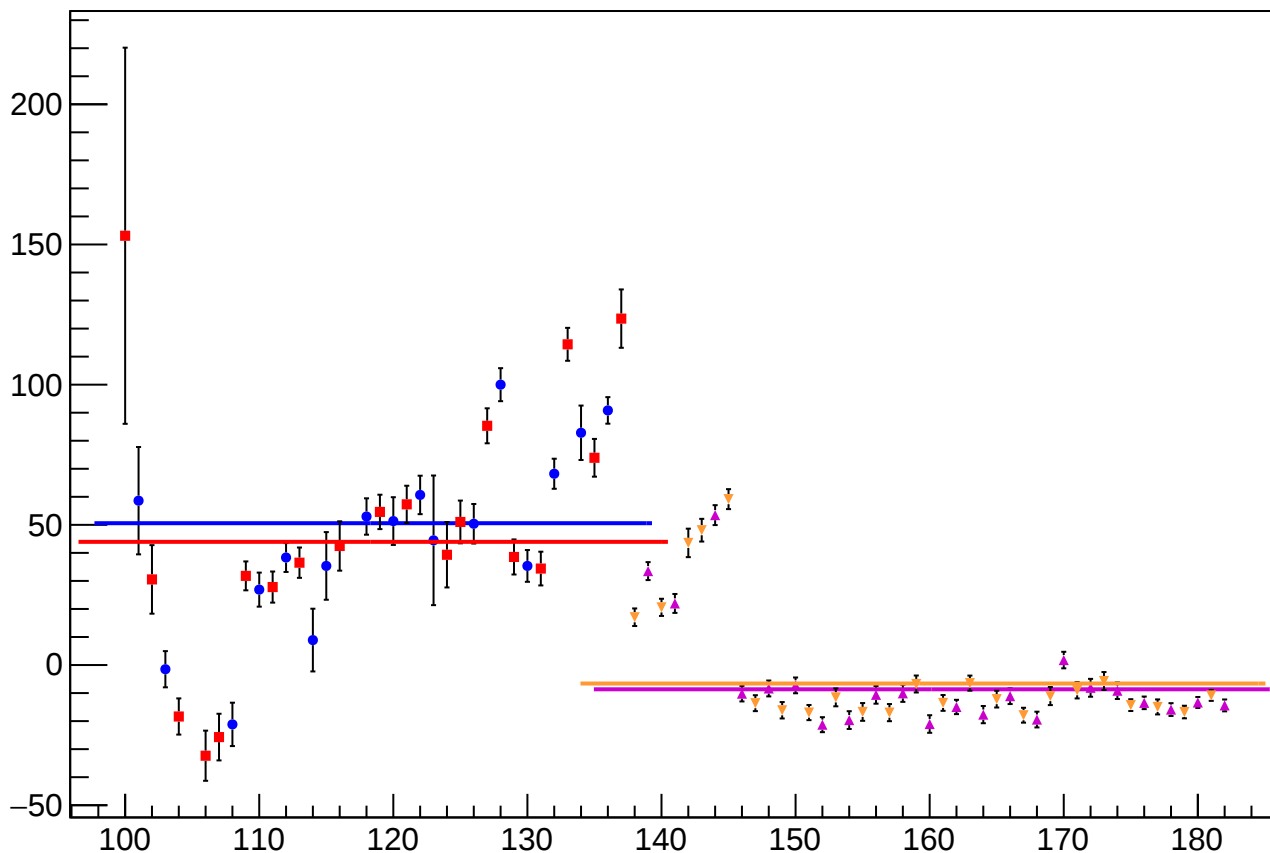
Right: 18.482 ± 0.629 χ^2/NDF : 405.9/35

In: 10.986 ± 0.415 χ^2/NDF : 404.9/38

Out: 11.366 ± 0.405 χ^2/NDF : 421.1/41

All: 11.181 ± 0.290 χ^2/NDF : 826.5/80

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.587 $\pm$ 1.681 χ^2 /NDF: 361.7/16

Left Out: -6.591 $\pm$ 0.594 χ^2 /NDF:890.9/22

Right Out: 43.942 $\pm$ 1.605 χ^2 /NDF: 533.3/18

Left In: -8.655 $\pm$ 0.586 χ^2 /NDF:683.2/21

Left: -7.637 $\pm$ 0.417 χ^2 /NDF: 1580.2/44

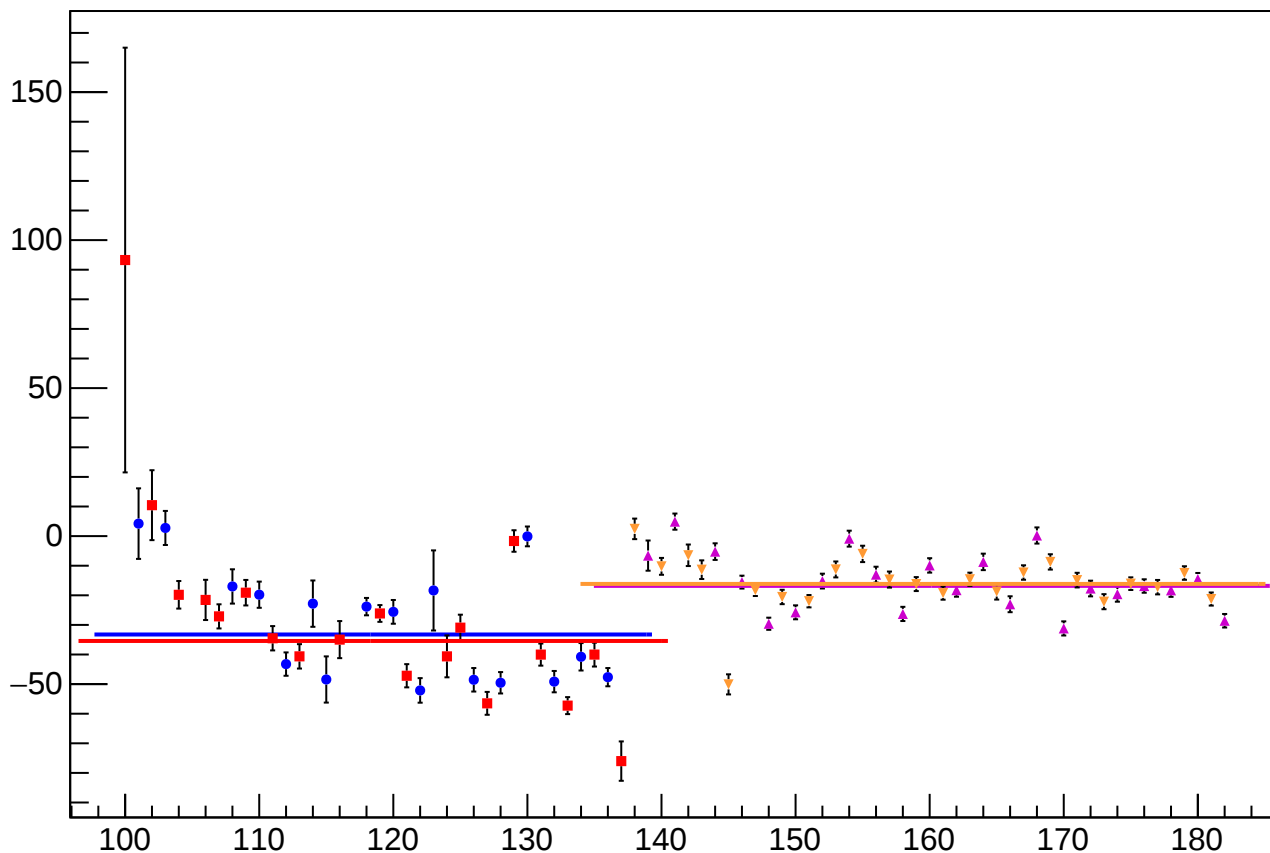
Right: 47.112 $\pm$ 1.161 χ^2 /NDF: 903.2/35

In: -2.231 $\pm$ 0.553 χ^2 /NDF:2152.9/38

Out: -0.505 $\pm$ 0.557 χ^2 /NDF:2296.0/41

All: -1.374 $\pm$ 0.393 χ^2 /NDF: 4453.7/80

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.238 ± 1.045 χ^2/NDF : 291.4/16

Left Out: -16.153 ± 0.523 χ^2/NDF : 199.5/22

Right Out: -35.423 ± 0.993 χ^2/NDF : 289.2/18

Left In: -16.812 ± 0.526 χ^2/NDF : 317.9/21

Left: -16.480 ± 0.371 χ^2/NDF : 518.2/44

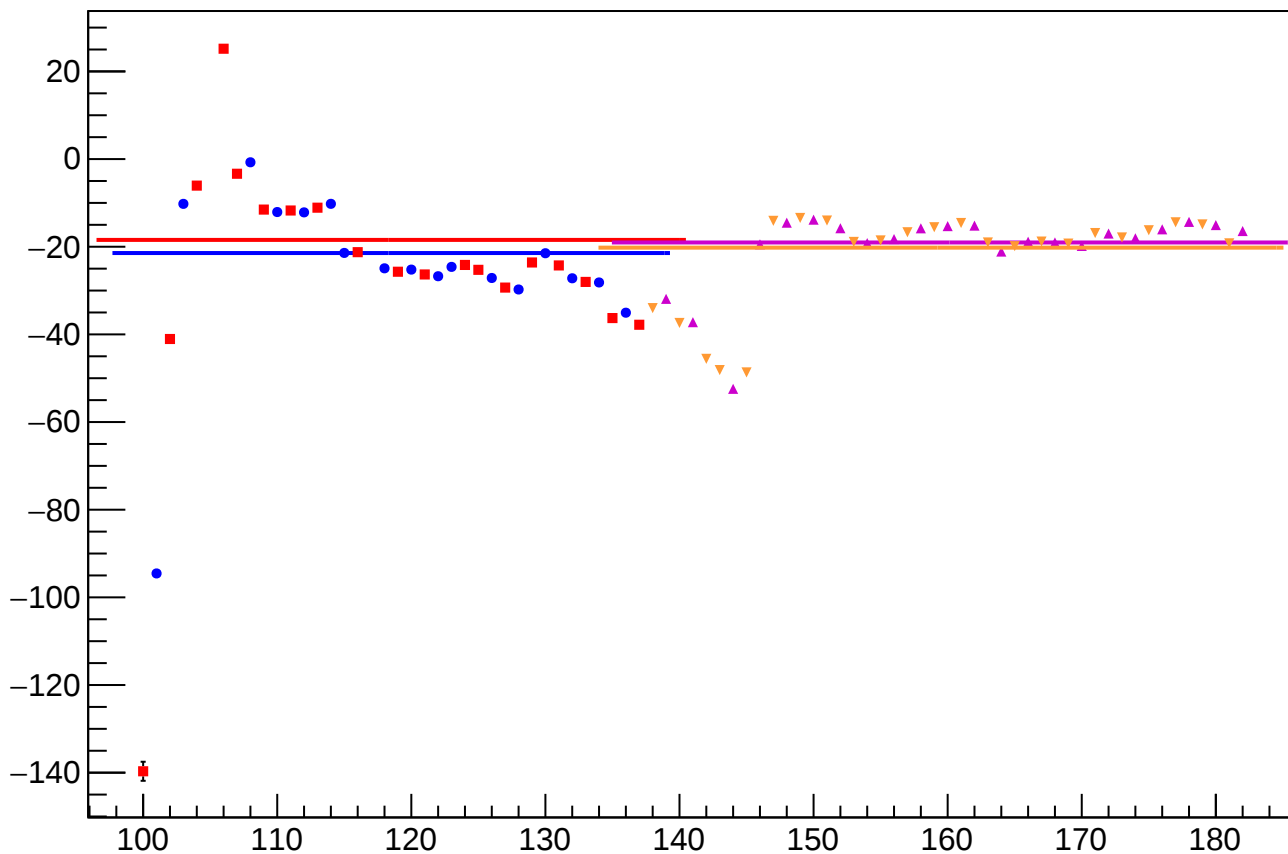
Right: -34.386 ± 0.720 χ^2/NDF : 582.9/35

In: -20.133 ± 0.470 χ^2/NDF : 806.2/38

Out: -20.334 ± 0.463 χ^2/NDF : 783.6/41

All: -20.235 ± 0.330 χ^2/NDF : 1589.9/80

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.439 ± 0.059 χ^2/NDF : 48930.7/16

Left Out: -20.210 ± 0.024 χ^2/NDF : 138746.0/22

Right Out: -18.442 ± 0.057 χ^2/NDF : 80422.3/18

Left In: -19.029 ± 0.024 χ^2/NDF : 90829.9/21

Left: -19.613 ± 0.017 χ^2/NDF : 230785.4/44

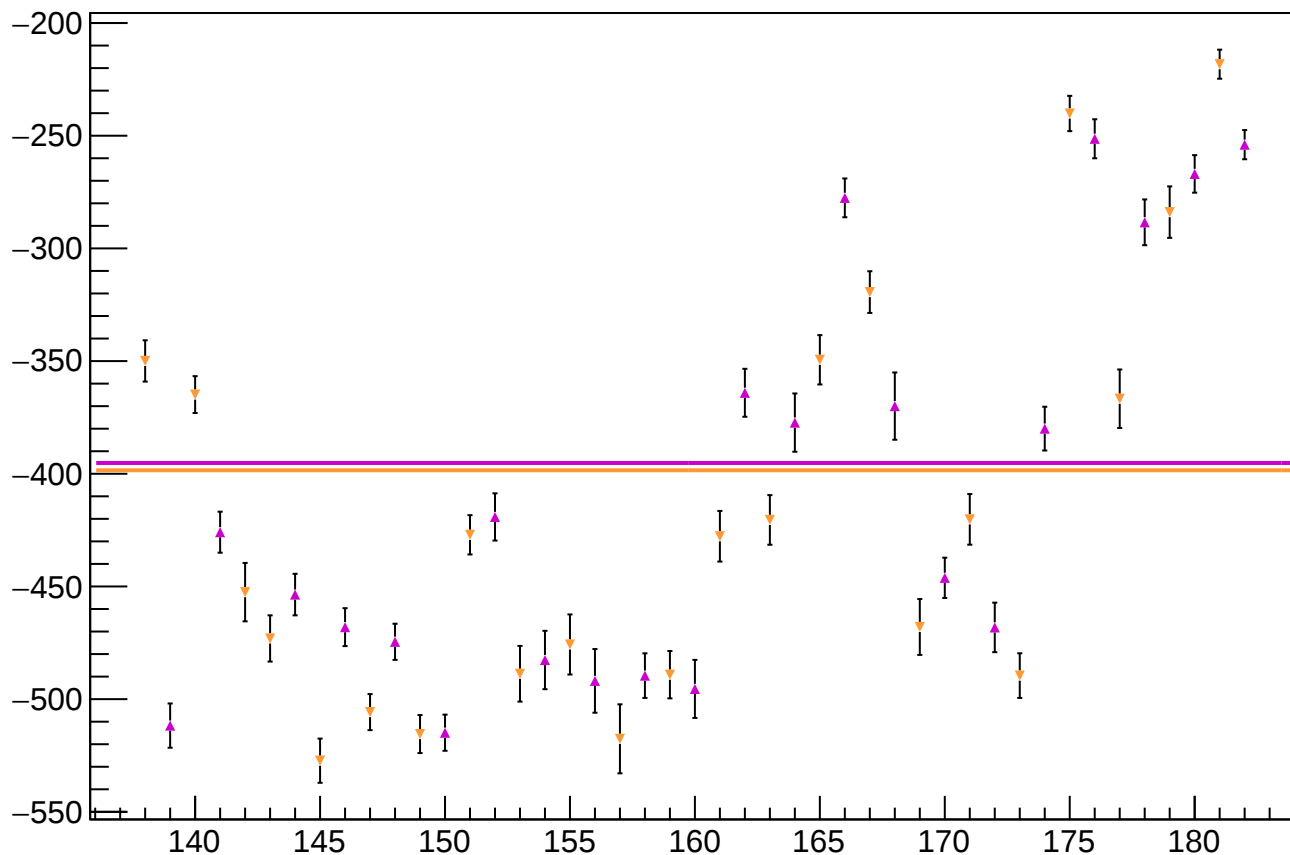
Right: -19.902 ± 0.041 χ^2/NDF : 130677.1/35

In: -19.368 ± 0.022 χ^2/NDF : 141195.2/38

Out: -19.945 ± 0.022 χ^2/NDF : 219972.4/41

All: -19.655 ± 0.016 χ^2/NDF : 361504.5/80

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -398.445+/-2.059 χ^2/NDF :2413.5/22

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

Left In: -395.204+/-2.035 χ^2/NDF :2217.0/21

Left: -396.806+/-1.447 χ^2/NDF : 4631.7/44

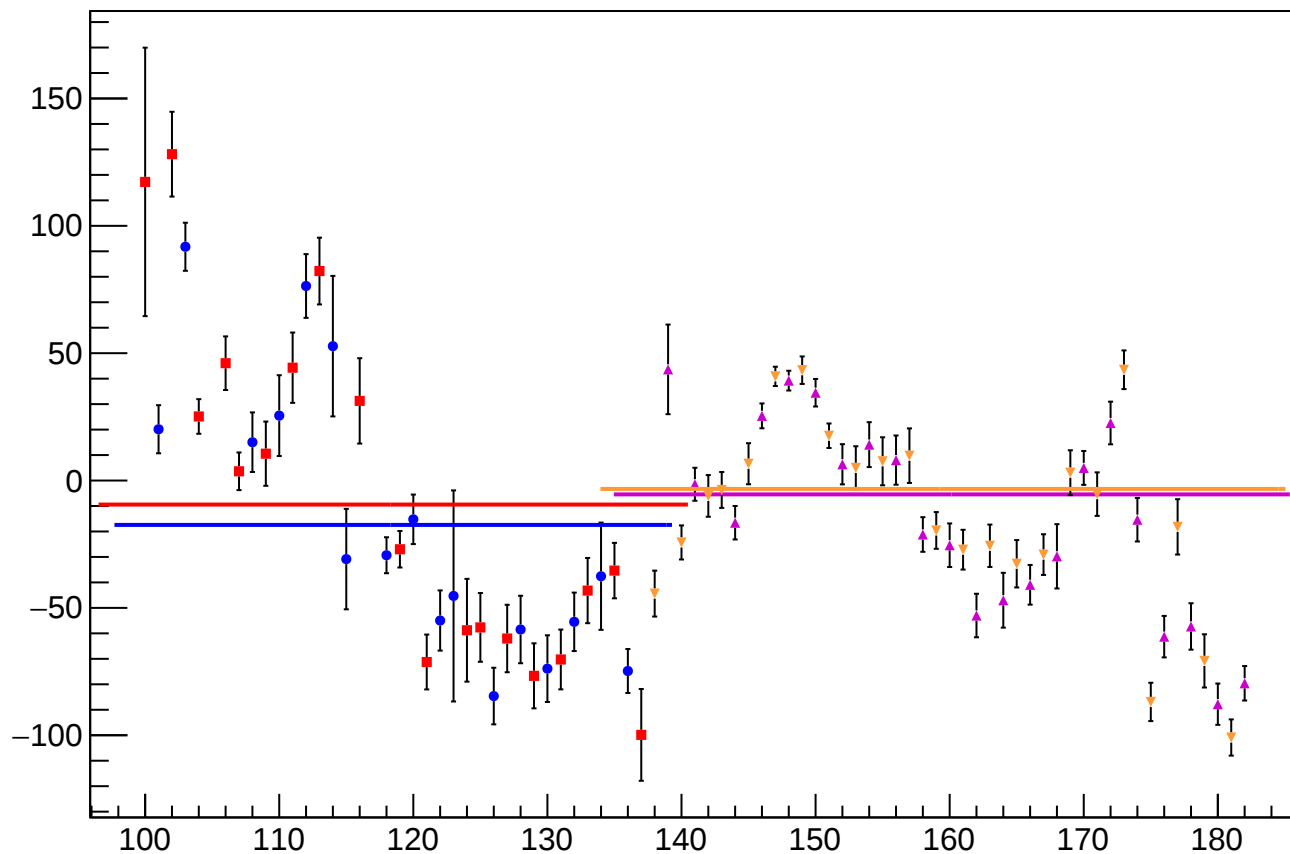
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -395.204+/-2.035 χ^2/NDF :2217.0/21

Out: -398.445+/-2.059 χ^2/NDF :2413.5/22

All: -396.806+/-1.447 χ^2/NDF : 4631.7/44

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.419 ± 2.826 $\chi^2/\text{NDF}: 362.1/16$

Left Out: -3.288 ± 1.503 $\chi^2/\text{NDF}: 701.6/22$

Right Out: -9.431 ± 2.611 $\chi^2/\text{NDF}: 369.3/18$

Left In: -5.436 ± 1.529 $\chi^2/\text{NDF}: 645.7/21$

Left: -4.344 ± 1.072 $\chi^2/\text{NDF}: 1348.3/44$

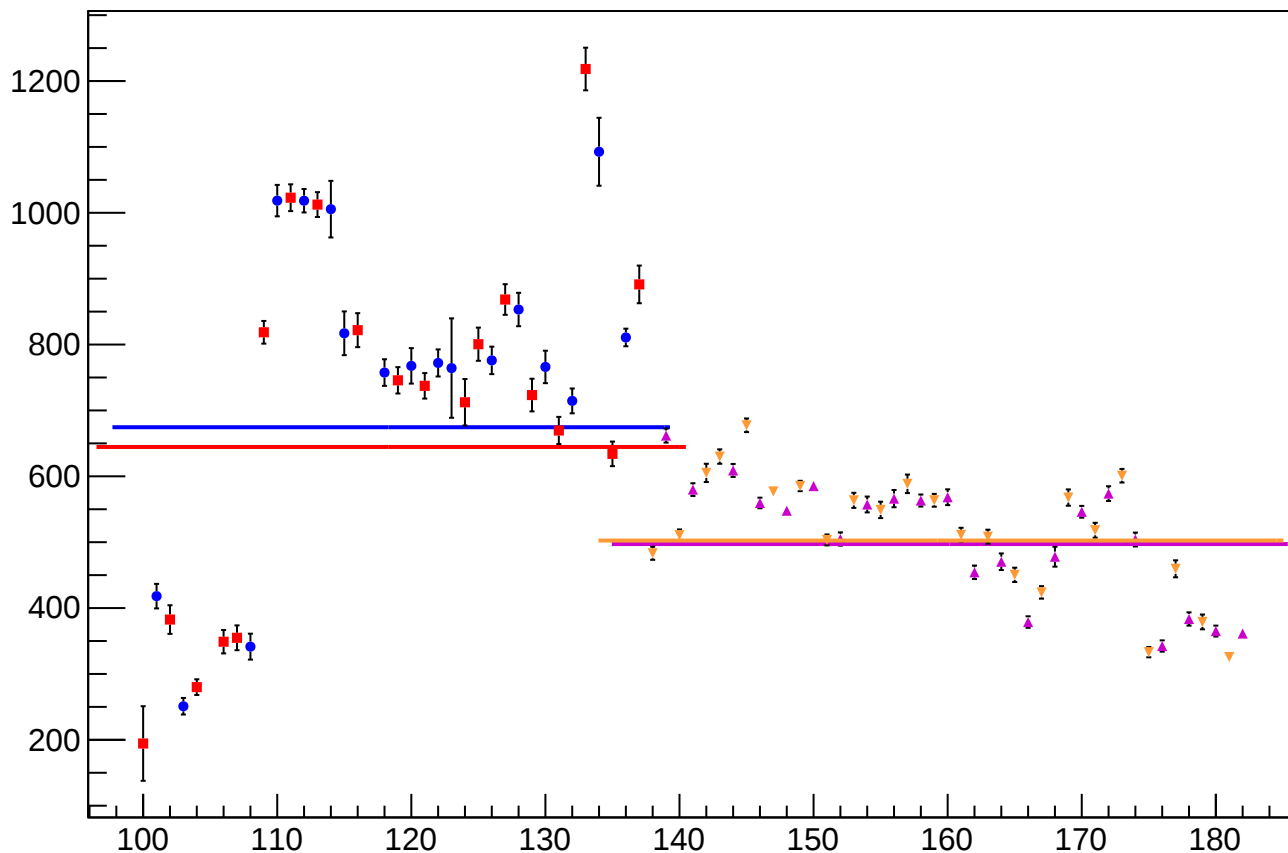
Right: -13.111 ± 1.918 $\chi^2/\text{NDF}: 735.6/35$

In: -8.152 ± 1.345 $\chi^2/\text{NDF}: 1021.6/38$

Out: -4.817 ± 1.303 $\chi^2/\text{NDF}: 1075.1/41$

All: -6.432 ± 0.936 $\chi^2/\text{NDF}: 2099.9/80$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 674.502 $\pm$ 5.076 χ^2 /NDF: 2580.6/16

Left Out: 502.524 $\pm$ 2.050 χ^2 /NDF:2321.5/22

Right Out: 644.557 $\pm$ 4.767 χ^2 /NDF: 3120.1/18

Left In: 497.189 $\pm$ 2.019 χ^2 /NDF:2225.7/21

Left: 499.815 $\pm$ 1.439 χ^2 /NDF: 4550.7/44

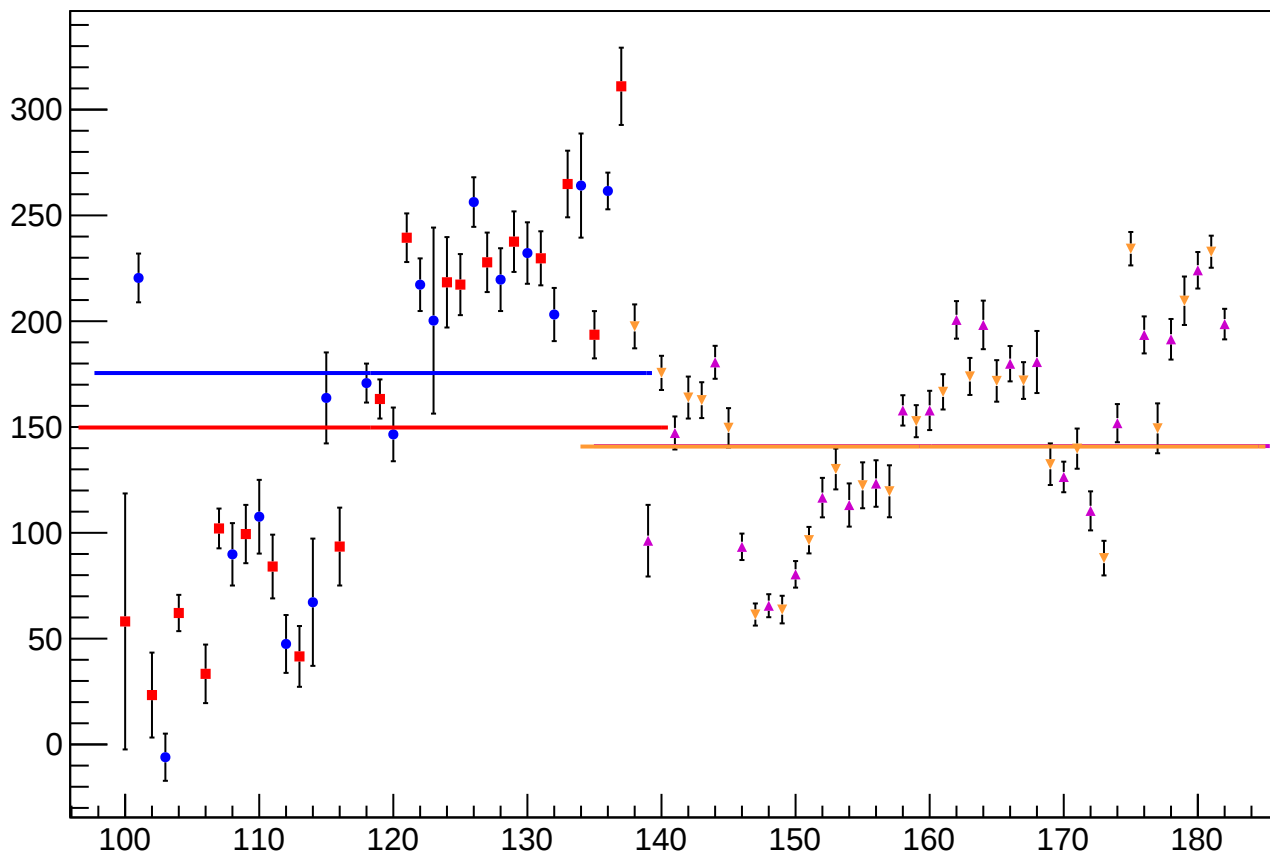
Right: 658.590 $\pm$ 3.475 χ^2 /NDF: 5719.2/35

In: 521.405 $\pm$ 1.876 χ^2 /NDF:5859.8/38

Out: 524.698 $\pm$ 1.884 χ^2 /NDF:6190.7/41

All: 523.045 $\pm$ 1.329 χ^2 /NDF: 12052.0/80

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.509 $\pm$ 3.245 χ^2 /NDF: 635.4/16

Left Out: 140.774 $\pm$ 1.754 χ^2 /NDF:904.6/22

Right Out: 149.769 $\pm$ 3.046 χ^2 /NDF: 691.2/18

Left In: 141.001 $\pm$ 1.766 χ^2 /NDF:739.2/21

Left: 140.887 $\pm$ 1.244 χ^2 /NDF: 1643.8/44

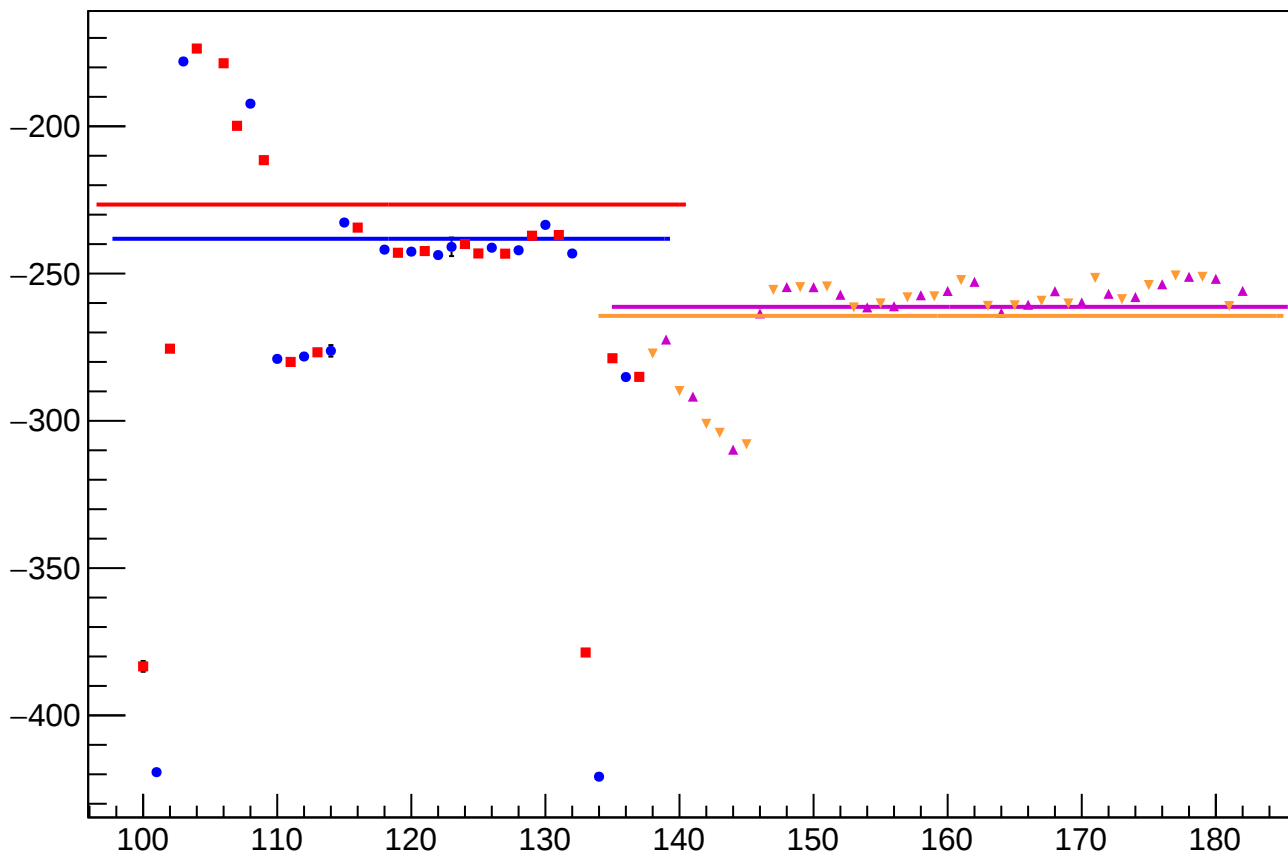
Right: 161.824 $\pm$ 2.221 χ^2 /NDF: 1360.1/35

In: 148.881 $\pm$ 1.551 χ^2 /NDF:1461.8/38

Out: 143.014 $\pm$ 1.520 χ^2 /NDF:1602.4/41

All: 145.889 $\pm$ 1.086 χ^2 /NDF: 3071.5/80

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.191+/-0.161 χ^2/NDF : 167088.3/16

Left Out: -264.361+/-0.084 χ^2/NDF : 37105.3/22

Right Out: -226.567+/-0.151 χ^2/NDF : 102539.6/18

Left In: -261.299+/-0.083 χ^2/NDF : 23347.3/21

Left: -262.802+/-0.059 χ^2/NDF : 61121.7/44

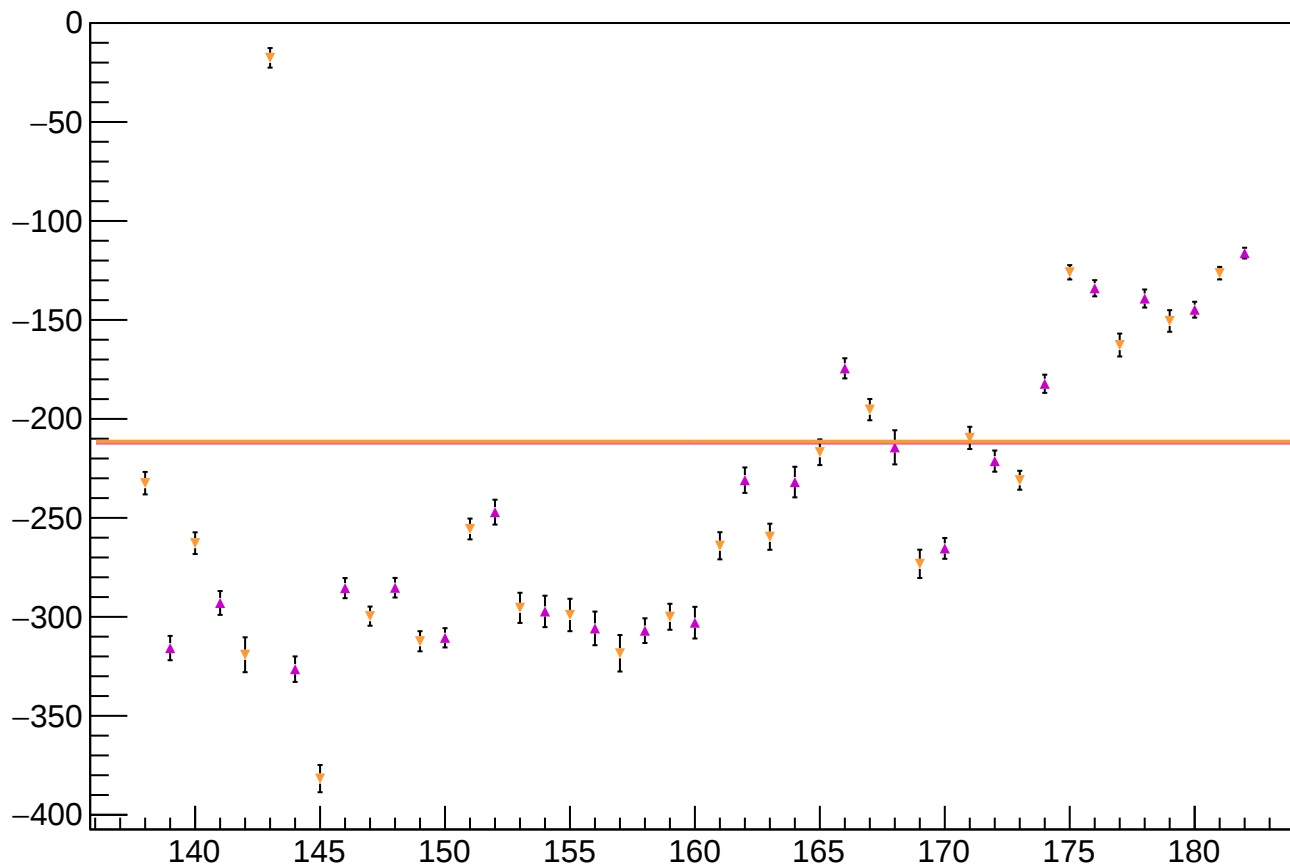
Right: -232.034+/-0.110 χ^2/NDF : 272402.4/35

In: -256.435+/-0.074 χ^2/NDF : 206780.4/38

Out: -255.383+/-0.074 χ^2/NDF : 187202.3/41

All: -255.910+/-0.052 χ^2/NDF : 394084.4/80

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: -211.516+/-1.147 χ^2/NDF :5432.0/22

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

Left In: -211.870+/-1.109 χ^2/NDF :4616.7/21

Left: -211.699+/-0.797 χ^2/NDF : 10048.8/44

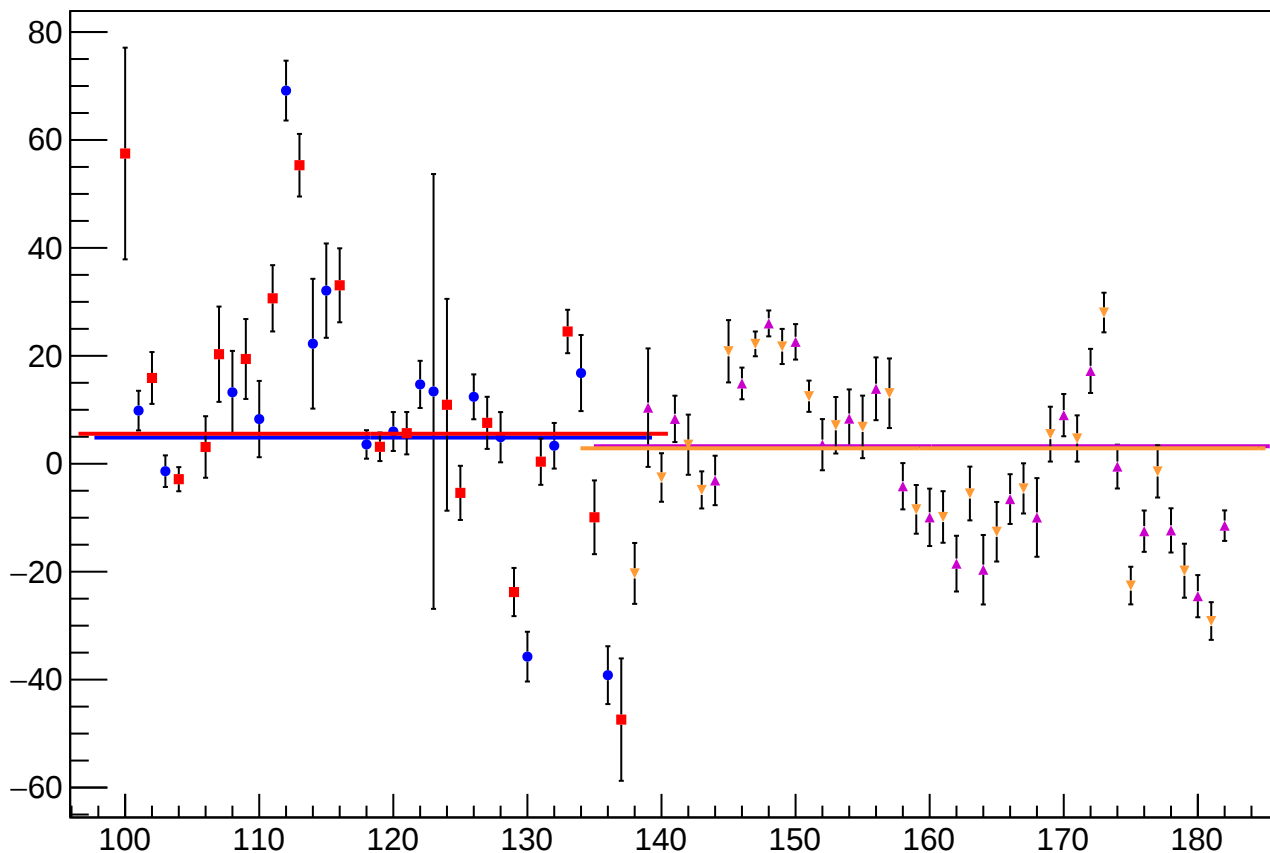
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -211.870+/-1.109 χ^2/NDF :4616.7/21

Out: -211.516+/-1.147 χ^2/NDF :5432.0/22

All: -211.699+/-0.797 χ^2/NDF : 10048.8/44

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.855 ± 1.107 χ^2/NDF : 310.9/16

Left Out: 2.865 ± 0.861 χ^2/NDF : 385.1/22

Right Out: 5.561 ± 1.070 χ^2/NDF : 238.3/18

Left In: 3.247 ± 0.870 χ^2/NDF : 319.2/21

Left: 3.054 ± 0.612 χ^2/NDF : 704.4/44

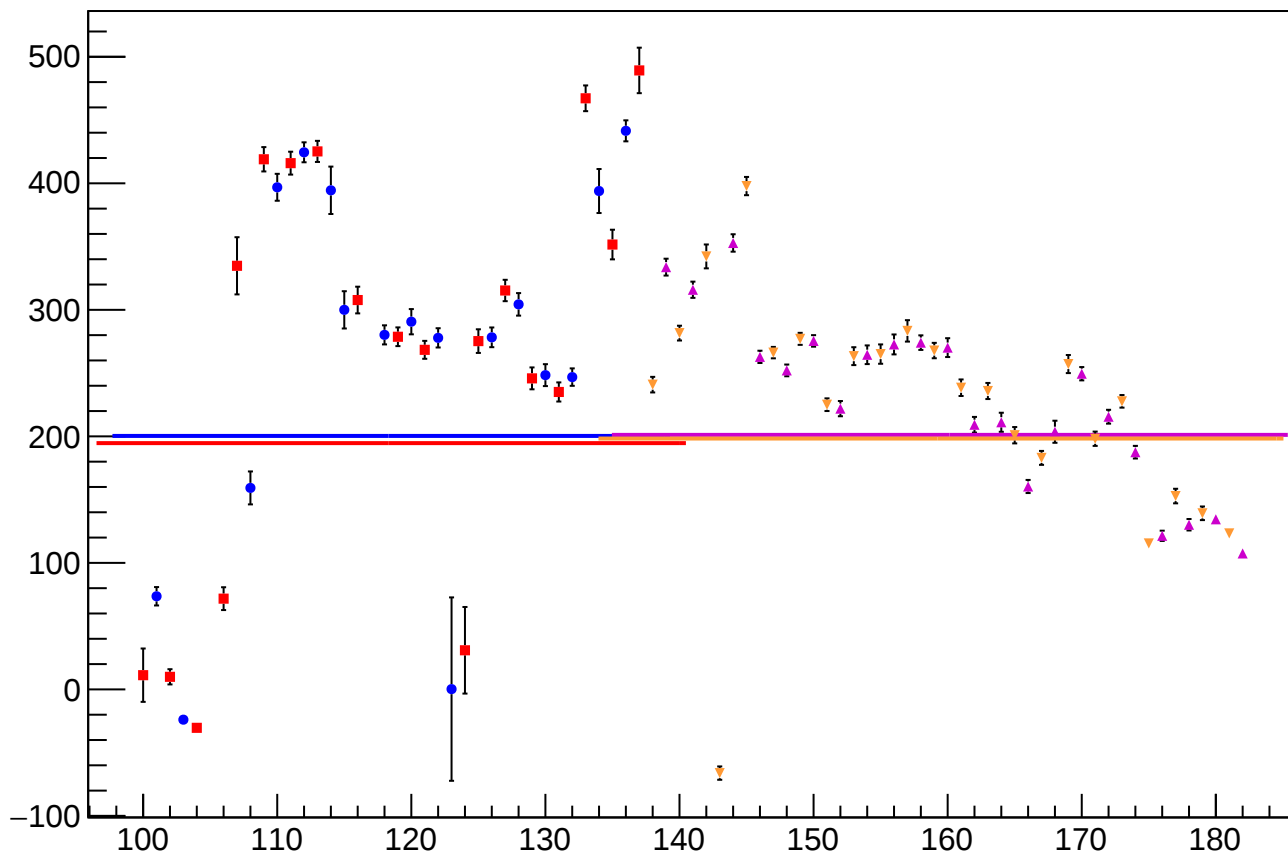
Right: 5.220 ± 0.769 χ^2/NDF : 549.4/35

In: 3.860 ± 0.684 χ^2/NDF : 631.5/38

Out: 3.925 ± 0.671 χ^2/NDF : 627.3/41

All: 3.893 ± 0.479 χ^2/NDF : 1258.7/80

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.347 $\pm$ 1.987 χ^2 /NDF: 6717.6/16

Left Out: 198.283 $\pm$ 1.145 χ^2 /NDF: 6086.4/22

Right Out: 194.656 $\pm$ 1.927 χ^2 /NDF: 8242.8/18

Left In: 201.171 $\pm$ 1.105 χ^2 /NDF: 4355.0/21

Left: 199.778 $\pm$ 0.795 χ^2 /NDF: 10444.7/44

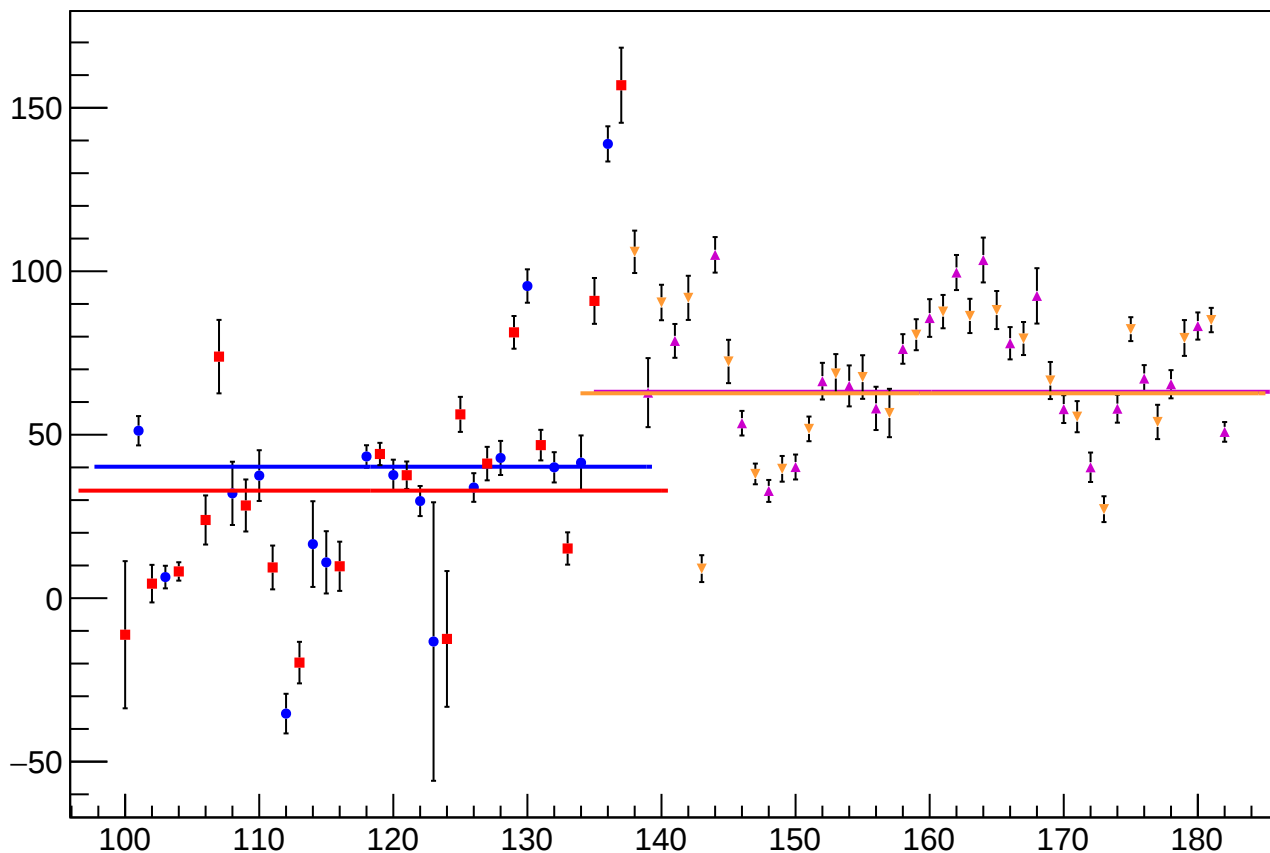
Right: 197.414 $\pm$ 1.383 χ^2 /NDF: 14964.6/35

In: 200.976 $\pm$ 0.966 χ^2 /NDF: 11072.7/38

Out: 197.336 $\pm$ 0.984 χ^2 /NDF: 14331.8/41

All: 199.191 $\pm$ 0.689 χ^2 /NDF: 25411.4/80

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.214 $\pm$ 1.286 χ^2 /NDF: 733.9/16

Left Out: 62.671 $\pm$ 0.995 χ^2 /NDF: 617.3/22

Right Out: 32.898 $\pm$ 1.252 χ^2 /NDF: 549.8/18

Left In: 63.139 $\pm$ 0.991 χ^2 /NDF: 389.9/21

Left: 62.906 $\pm$ 0.702 χ^2 /NDF: 1007.2/44

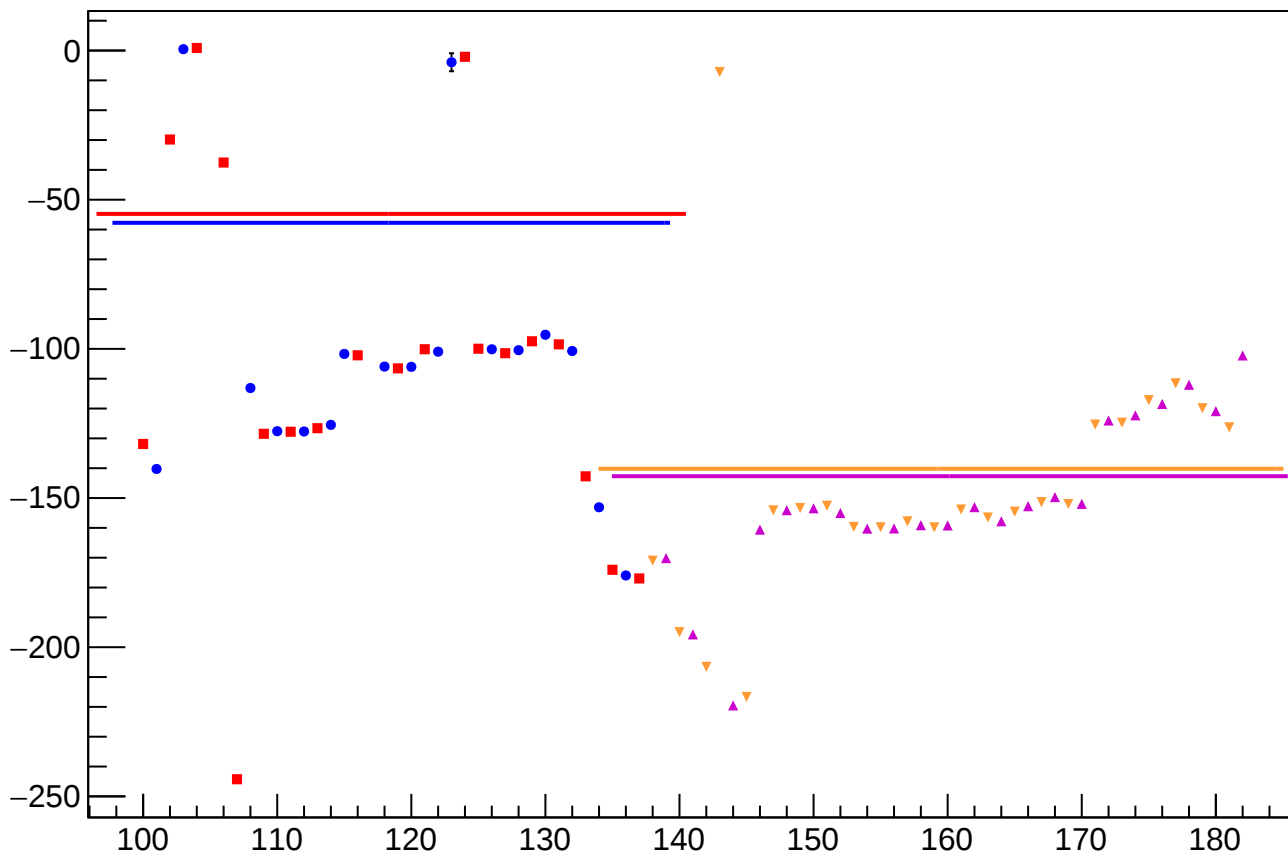
Right: 36.460 $\pm$ 0.897 χ^2 /NDF: 1300.3/35

In: 54.594 $\pm$ 0.785 χ^2 /NDF: 1323.2/38

Out: 51.147 $\pm$ 0.779 χ^2 /NDF: 1513.4/41

All: 52.858 $\pm$ 0.553 χ^2 /NDF: 2846.4/80

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.743 $\pm$ 0.062 χ^2 /NDF: 1100251.3/16

Left Out: -140.185 $\pm$ 0.048 χ^2 /NDF: 669469.7/22

Right Out: -54.758 $\pm$ 0.060 χ^2 /NDF: 999720.2/18

Left In: -142.679 $\pm$ 0.046 χ^2 /NDF: 322659.4/21

Left: -141.470 $\pm$ 0.033 χ^2 /NDF: 993543.3/44

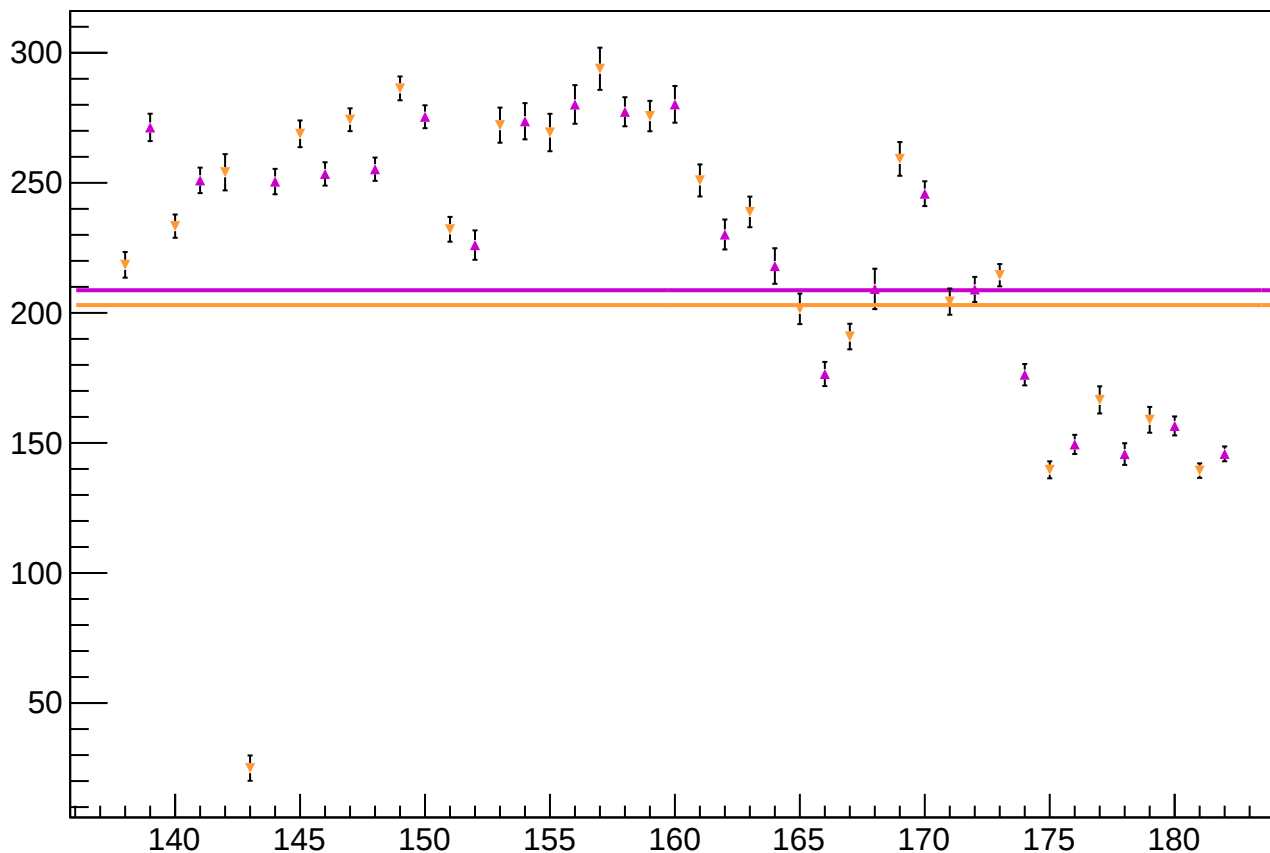
Right: -56.212 $\pm$ 0.043 χ^2 /NDF: 2101166.3/35

In: -112.259 $\pm$ 0.037 χ^2 /NDF: 2633816.1/38

Out: -107.372 $\pm$ 0.037 χ^2 /NDF: 2906216.4/41

All: -109.838 $\pm$ 0.026 χ^2 /NDF: 5548670.1/80

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 203.000+/-1.019 χ^2/NDF :3922.3/22

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

Left In: 208.720+/-1.009 χ^2/NDF :2533.0/21

Left: 205.889+/-0.717 χ^2/NDF : 6471.2/44

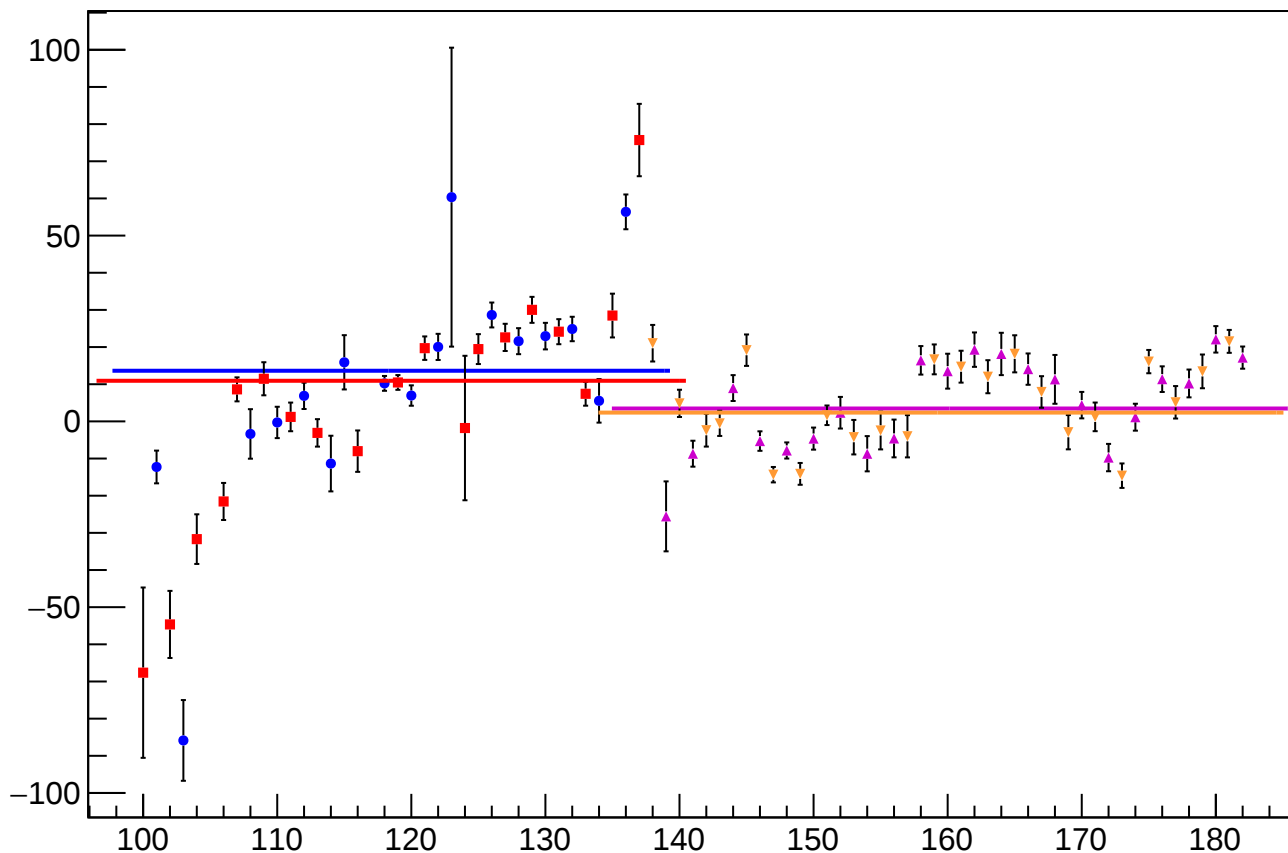
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 208.720+/-1.009 χ^2/NDF :2533.0/21

Out: 203.000+/-1.019 χ^2/NDF :3922.3/22

All: 205.889+/-0.717 χ^2/NDF : 6471.2/44

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.625 $\pm$ 0.938 χ^2 /NDF: 293.3/16

Left Out: 2.366 $\pm$ 0.768 χ^2 /NDF:262.6/22

Right Out: 10.927 $\pm$ 0.915 χ^2 /NDF: 302.8/18

Left In: 3.464 $\pm$ 0.783 χ^2 /NDF:191.3/21

Left: 2.905 $\pm$ 0.548 χ^2 /NDF: 455.0/44

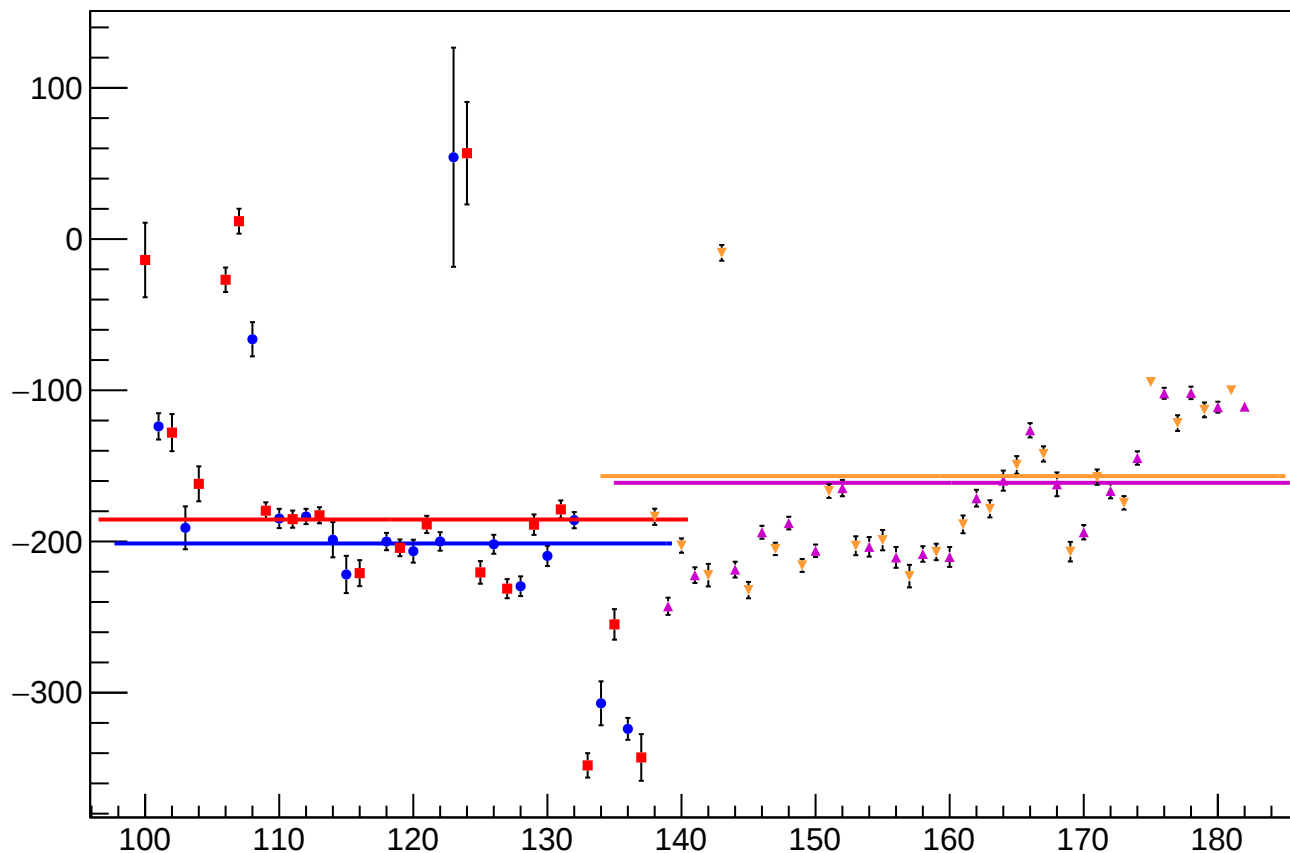
Right: 12.242 $\pm$ 0.655 χ^2 /NDF: 600.3/35

In: 7.637 $\pm$ 0.601 χ^2 /NDF:553.7/38

Out: 5.906 $\pm$ 0.588 χ^2 /NDF:616.8/41

All: 6.753 $\pm$ 0.420 χ^2 /NDF: 1174.8/80

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.316 ± 1.800 χ^2/NDF : 624.9/16

Left Out: -156.768 ± 1.019 χ^2/NDF : 2788.1/22

Right Out: -185.469 ± 1.703 χ^2/NDF : 1745.0/18

Left In: -161.196 ± 1.006 χ^2/NDF : 1983.4/21

Left: -159.011 ± 0.716 χ^2/NDF : 4781.0/44

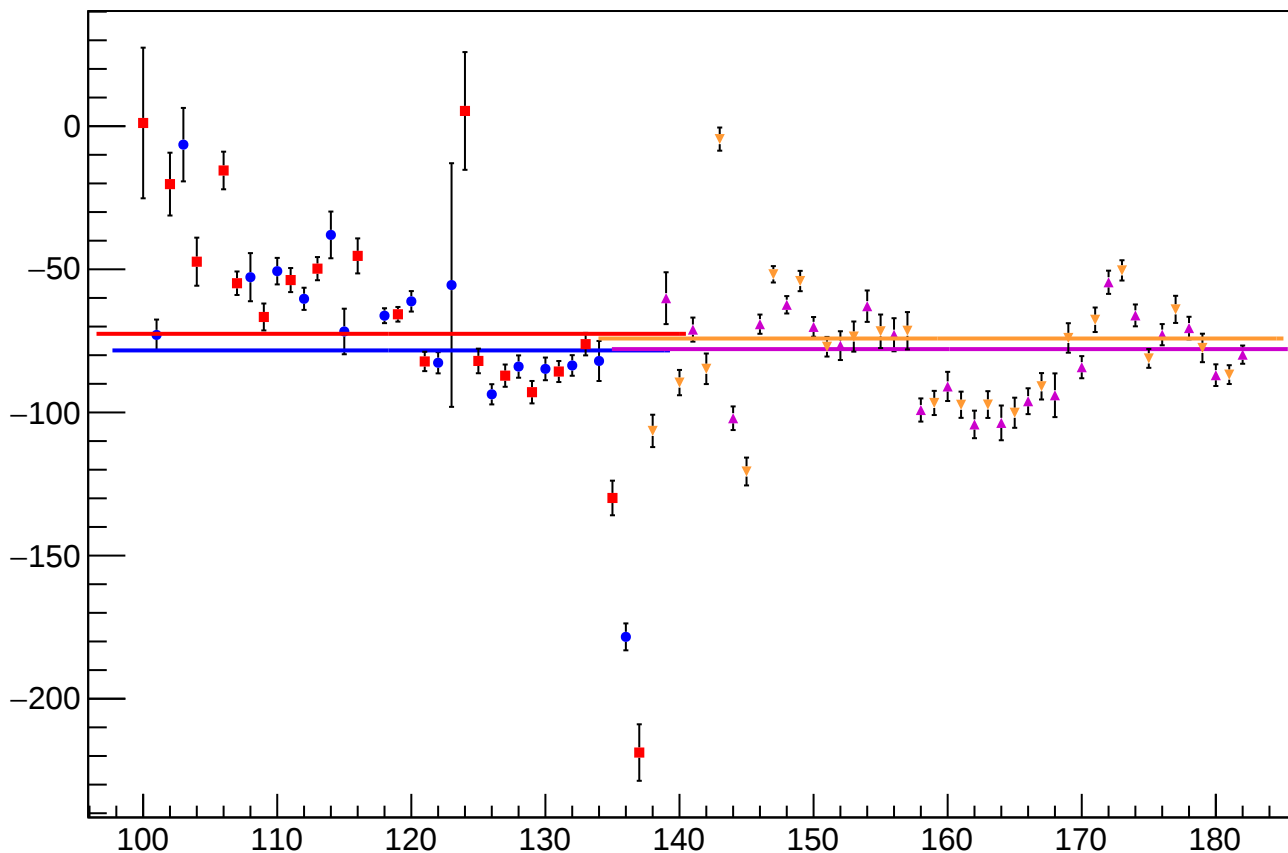
Right: -192.954 ± 1.237 χ^2/NDF : 2410.8/35

In: -170.742 ± 0.878 χ^2/NDF : 2987.0/38

Out: -164.335 ± 0.874 χ^2/NDF : 4742.3/41

All: -167.526 ± 0.619 χ^2/NDF : 7756.1/80

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.334 ± 1.084 $\chi^2/\text{NDF}: 649.9/16$

Left Out: -74.170 ± 0.887 $\chi^2/\text{NDF}: 718.3/22$

Right Out: -72.531 ± 1.054 $\chi^2/\text{NDF}: 605.5/18$

Left In: -77.873 ± 0.894 $\chi^2/\text{NDF}: 246.4/21$

Left: -76.006 ± 0.630 $\chi^2/\text{NDF}: 973.3/44$

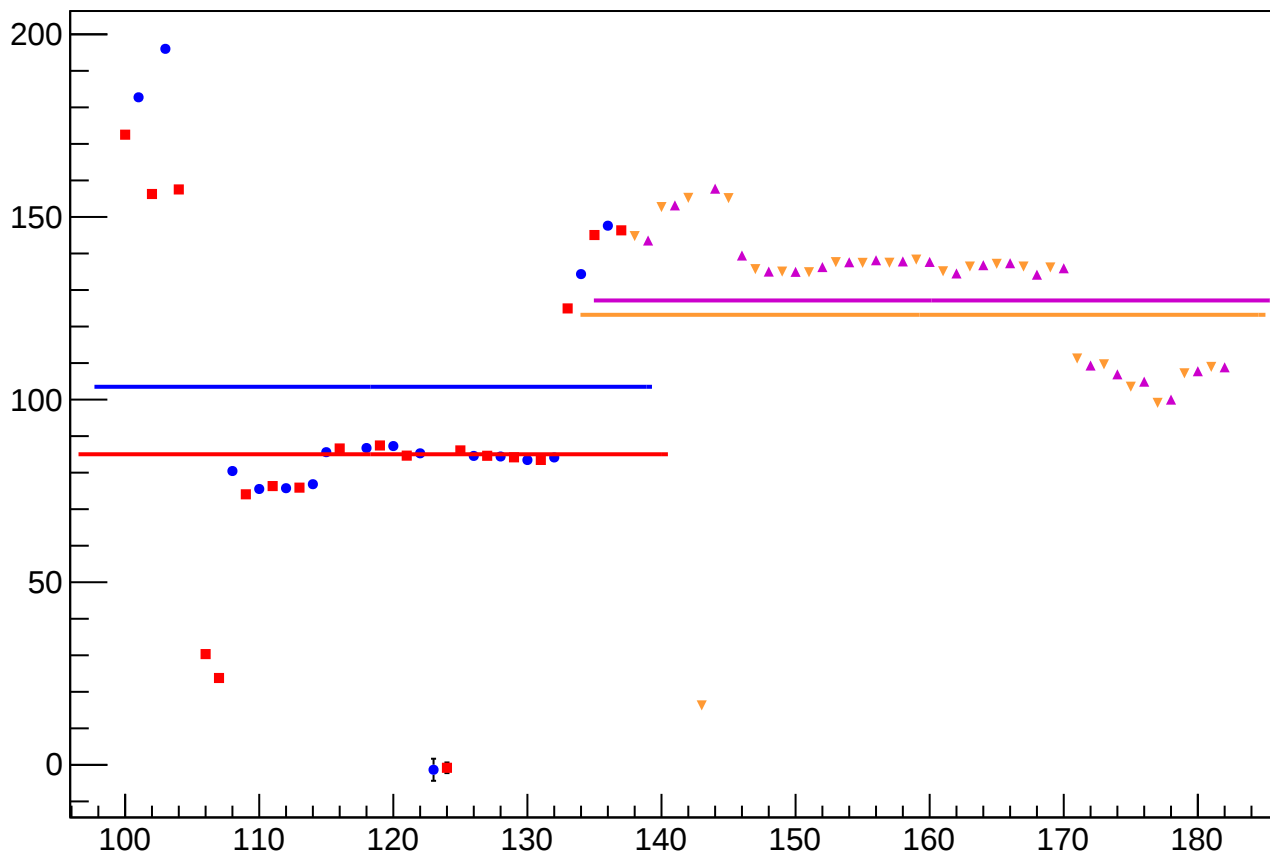
Right: -75.351 ± 0.756 $\chi^2/\text{NDF}: 1270.1/35$

In: -78.060 ± 0.690 $\chi^2/\text{NDF}: 896.4/38$

Out: -73.490 ± 0.679 $\chi^2/\text{NDF}: 1325.1/41$

All: -75.737 ± 0.484 $\chi^2/\text{NDF}: 2243.8/80$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.509 $\pm$ 0.071 χ^2 /NDF: 272499.7/16

Left Out: 123.213 $\pm$ 0.042 χ^2 /NDF: 429048.7/22

Right Out: 85.036 $\pm$ 0.064 χ^2 /NDF: 422344.8/18

Left In: 127.142 $\pm$ 0.042 χ^2 /NDF: 158400.7/21

Left: 125.207 $\pm$ 0.030 χ^2 /NDF: 591820.7/44

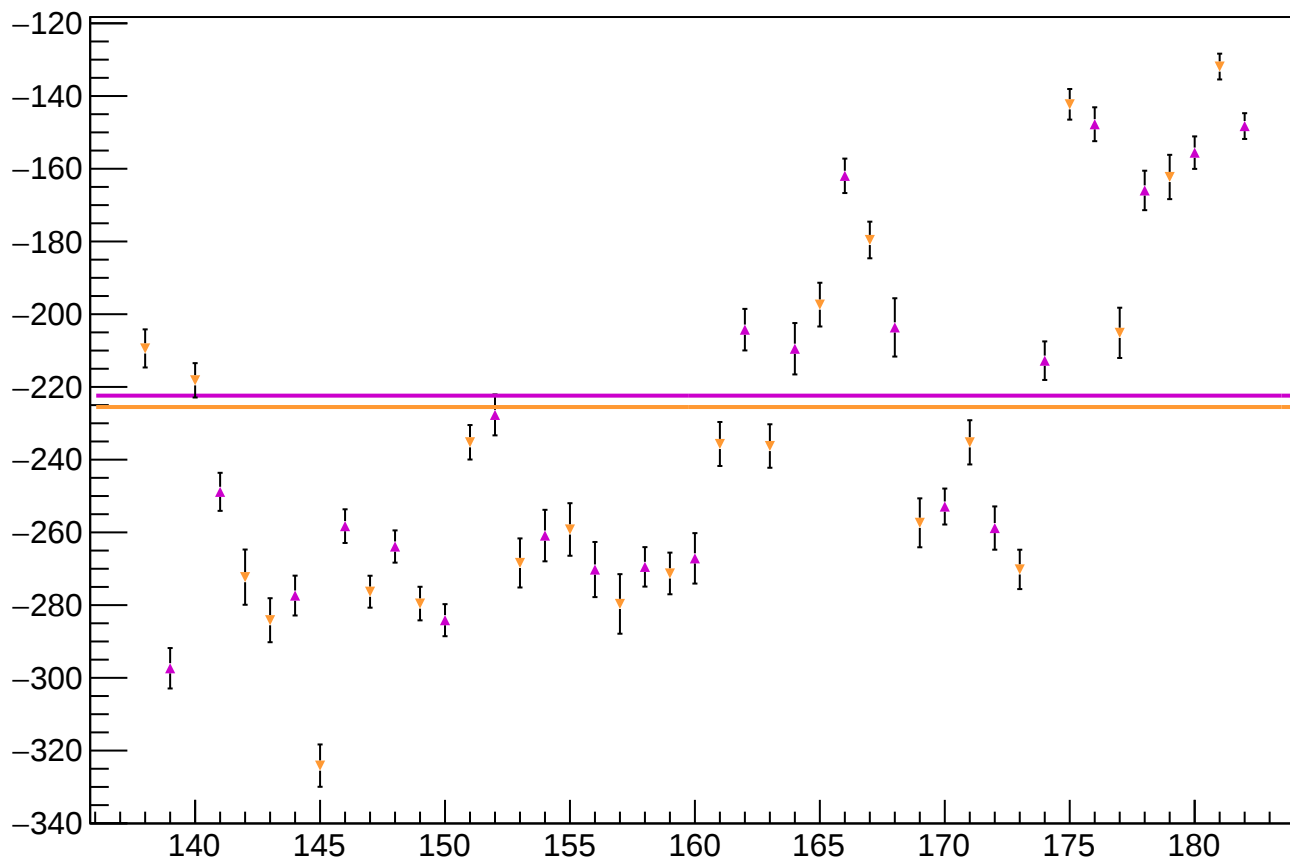
Right: 93.292 $\pm$ 0.047 χ^2 /NDF: 732275.0/35

In: 121.082 $\pm$ 0.036 χ^2 /NDF: 513260.5/38

Out: 111.554 $\pm$ 0.035 χ^2 /NDF: 1099853.1/41

All: 116.227 $\pm$ 0.025 χ^2 /NDF: 1648896.4/80

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: -225.527+/-1.136 χ^2/NDF :2283.6/22

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

Left In: -222.395+/-1.118 χ^2/NDF :2126.0/21

Left: -223.935+/-0.797 χ^2/NDF : 4413.4/44

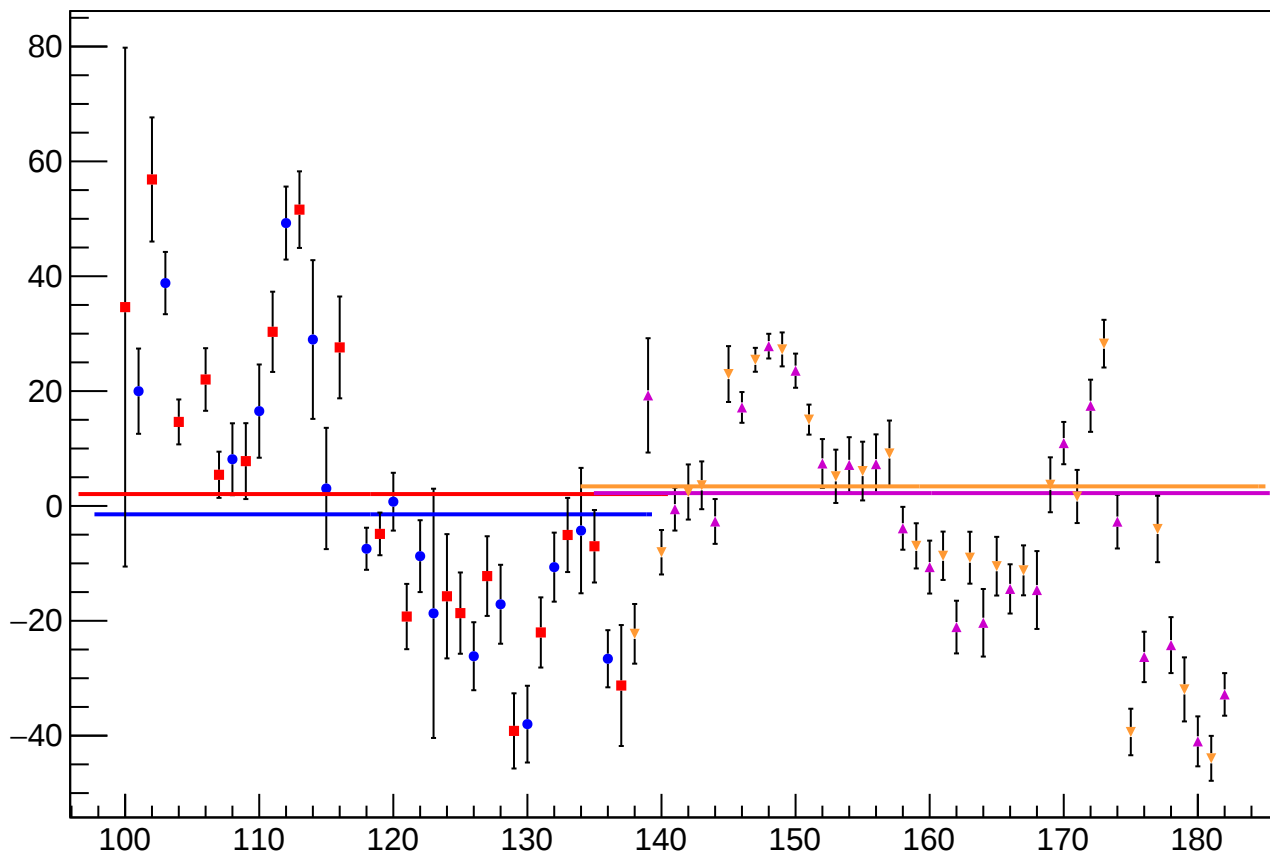
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -222.395+/-1.118 χ^2/NDF :2126.0/21

Out: -225.527+/-1.136 χ^2/NDF :2283.6/22

All: -223.935+/-0.797 χ^2/NDF : 4413.4/44

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.459 ± 1.539 χ^2/NDF : 224.8/16

Left Out: 3.409 ± 0.830 χ^2/NDF : 625.1/22

Right Out: 2.070 ± 1.401 χ^2/NDF : 232.8/18

Left In: 2.235 ± 0.842 χ^2/NDF : 583.0/21

Left: 2.830 ± 0.591 χ^2/NDF : 1209.1/44

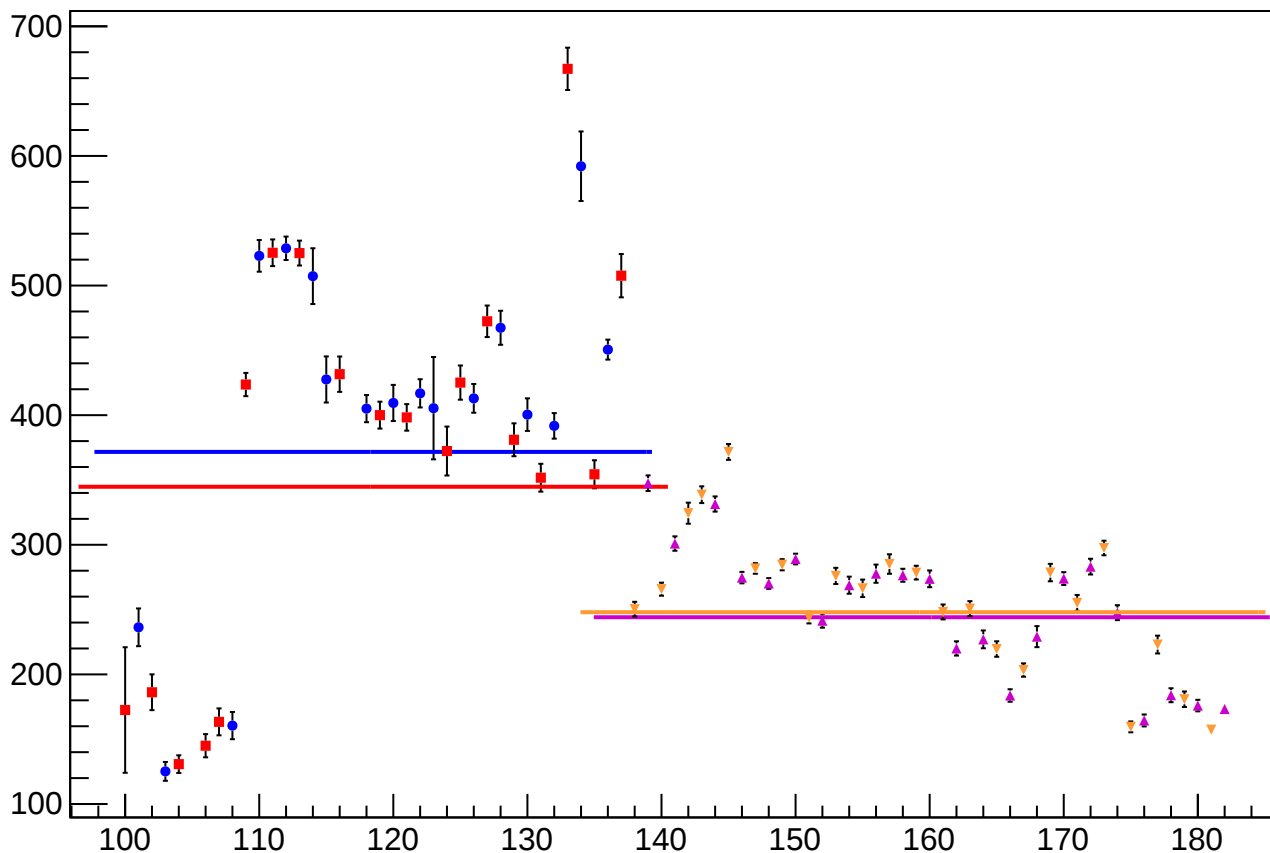
Right: 0.471 ± 1.036 χ^2/NDF : 460.5/35

In: 1.385 ± 0.739 χ^2/NDF : 812.2/38

Out: 3.061 ± 0.714 χ^2/NDF : 858.6/41

All: 2.251 ± 0.513 χ^2/NDF : 1673.5/80

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.672 $\pm$ 2.783 χ^2 /NDF: 2430.1/16

Left Out: 248.001 $\pm$ 1.129 χ^2 /NDF:2316.1/22

Right Out: 344.775 $\pm$ 2.565 χ^2 /NDF: 3412.6/18

Left In: 244.097 $\pm$ 1.108 χ^2 /NDF:2219.4/21

Left: 246.012 $\pm$ 0.791 χ^2 /NDF: 4541.6/44

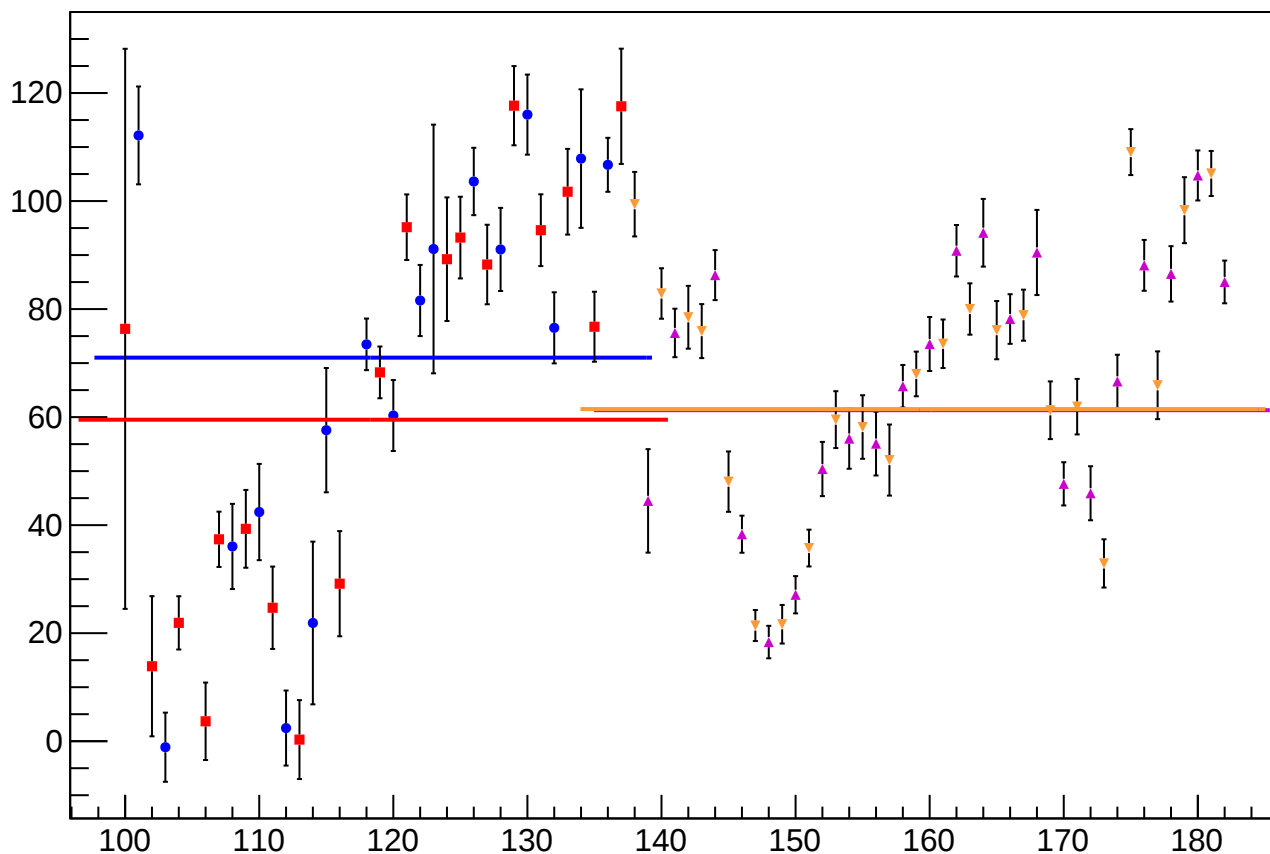
Right: 357.130 $\pm$ 1.886 χ^2 /NDF: 5893.2/35

In: 261.543 $\pm$ 1.029 χ^2 /NDF:6463.3/38

Out: 263.707 $\pm$ 1.034 χ^2 /NDF:6920.8/41

All: 262.620 $\pm$ 0.729 χ^2 /NDF: 13386.3/80

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.009 $\pm$ 1.768 χ^2 /NDF: 424.1/16

Left Out: 61.490 $\pm$ 0.967 χ^2 /NDF:820.8/22

Right Out: 59.517 $\pm$ 1.633 χ^2 /NDF: 489.4/18

Left In: 61.280 $\pm$ 0.970 χ^2 /NDF:699.2/21

Left: 61.386 $\pm$ 0.685 χ^2 /NDF: 1520.0/44

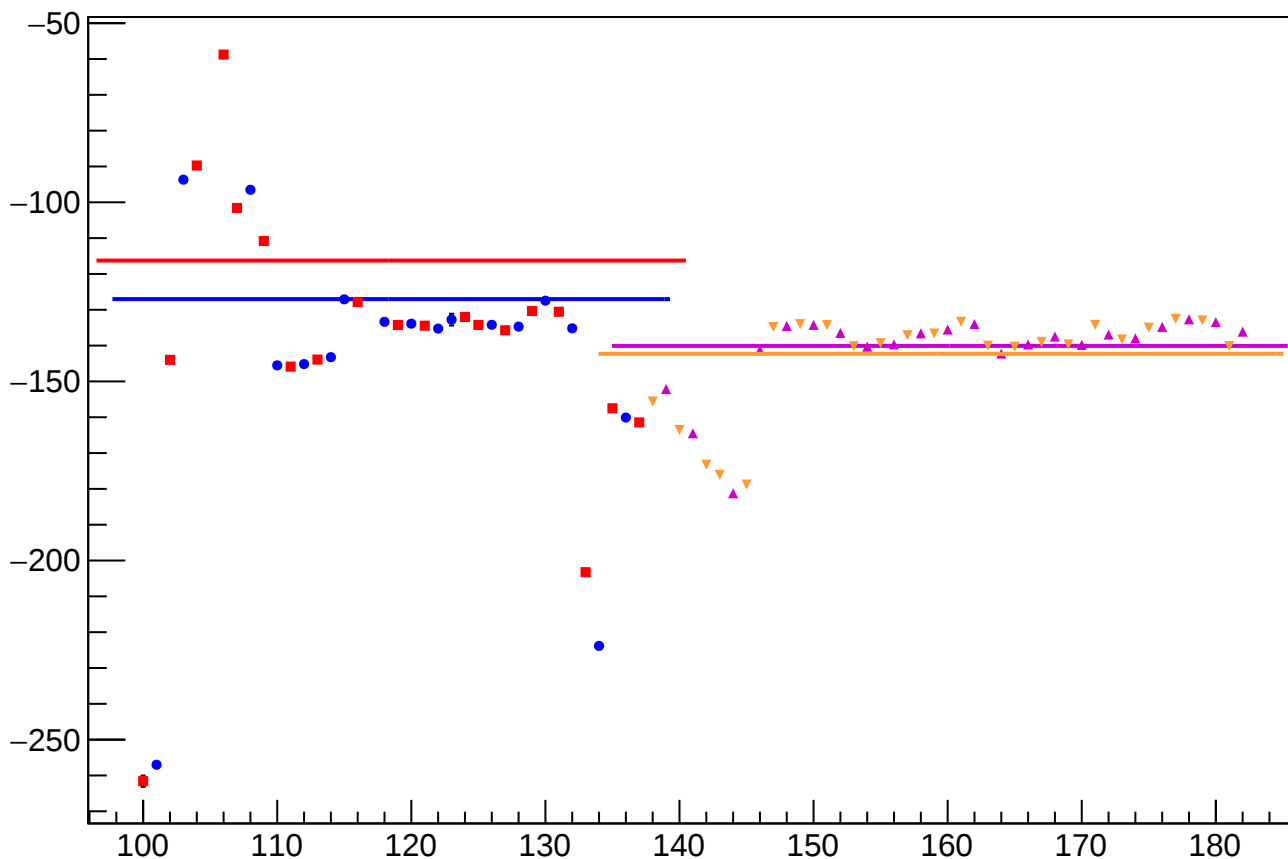
Right: 64.809 $\pm$ 1.200 χ^2 /NDF: 936.3/35

In: 63.532 $\pm$ 0.851 χ^2 /NDF:1146.6/38

Out: 60.978 $\pm$ 0.832 χ^2 /NDF:1311.3/41

All: 62.227 $\pm$ 0.595 χ^2 /NDF: 2462.4/80

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.024 $\pm$ 0.090 χ^2 /NDF: 166974.0/16

Left Out: -142.293 $\pm$ 0.046 χ^2 /NDF: 76167.4/22

Right Out: -116.264 $\pm$ 0.083 χ^2 /NDF: 167018.1/18

Left In: -140.085 $\pm$ 0.046 χ^2 /NDF: 48024.8/21

Left: -141.165 $\pm$ 0.033 χ^2 /NDF: 125344.9/44

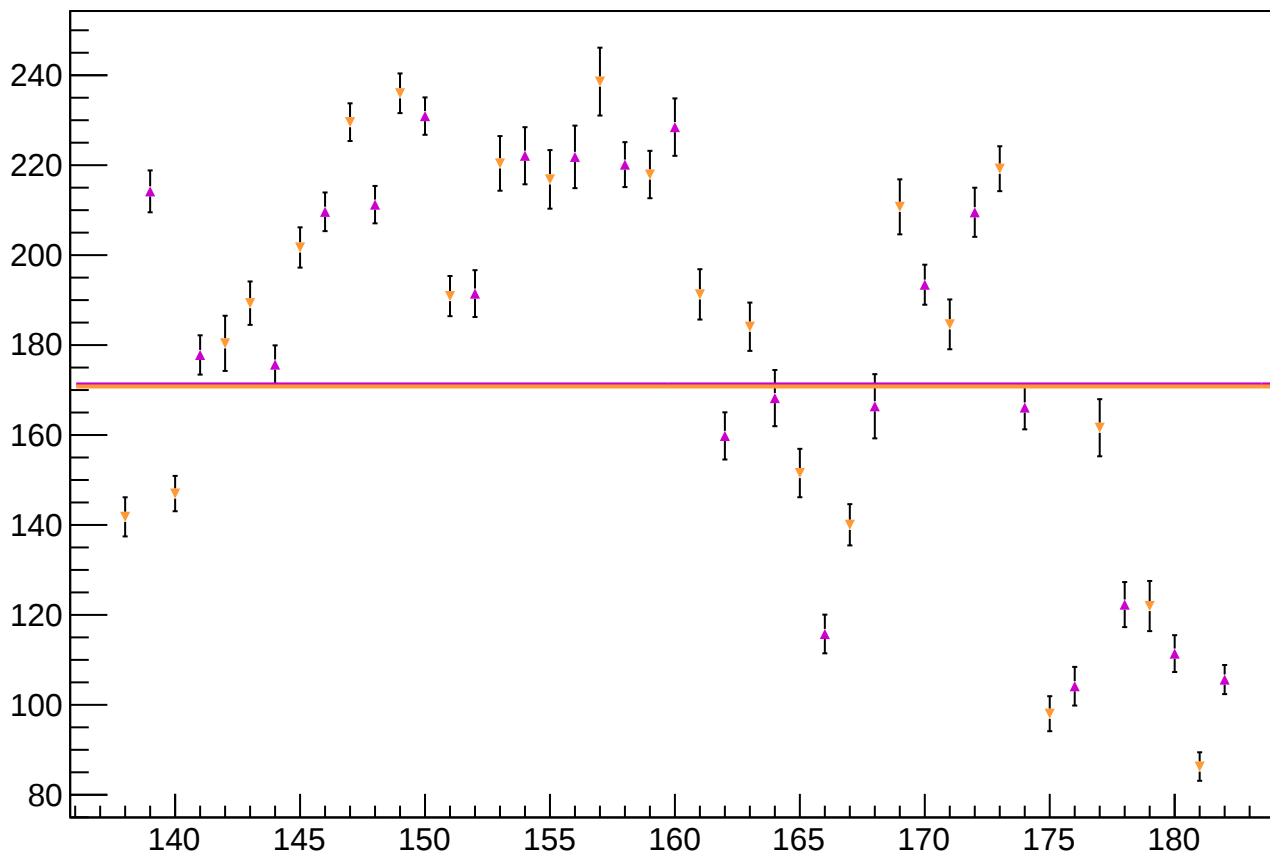
Right: -121.220 $\pm$ 0.061 χ^2 /NDF: 341725.4/35

In: -137.420 $\pm$ 0.041 χ^2 /NDF: 231807.9/38

Out: -136.081 $\pm$ 0.041 χ^2 /NDF: 317988.4/41

All: -136.750 $\pm$ 0.029 χ^2 /NDF: 550340.1/80

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 170.790 $\pm$ 1.015 χ^2 /NDF:2217.1/22

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

Left In: 171.247 $\pm$ 1.010 χ^2 /NDF:1985.8/21

Left: 171.020 $\pm$ 0.716 χ^2 /NDF: 4203.0/44

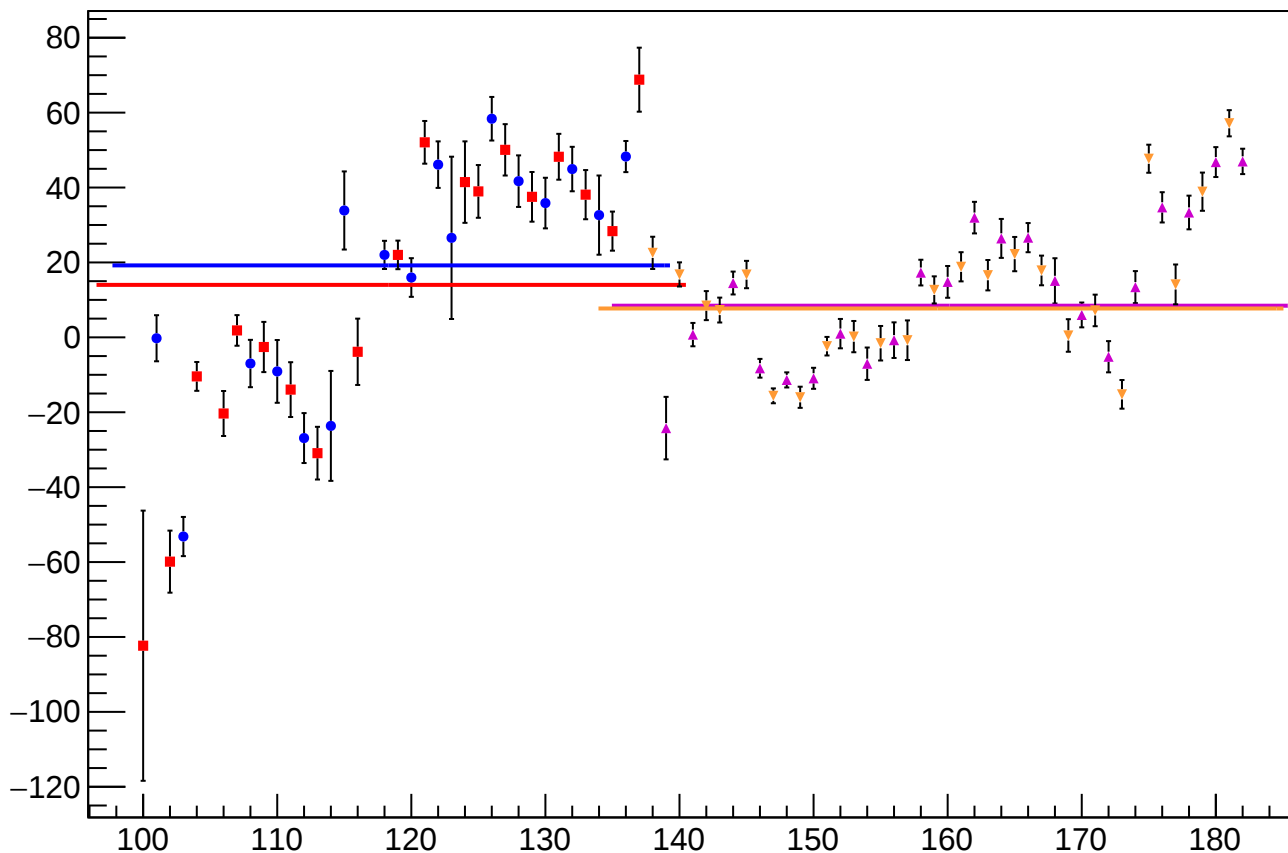
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 171.247 $\pm$ 1.010 χ^2 /NDF:1985.8/21

Out: 170.790 $\pm$ 1.015 χ^2 /NDF:2217.1/22

All: 171.020 $\pm$ 0.716 χ^2 /NDF: 4203.0/44

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.211+/-1.503 χ^2 /NDF: 439.4/16

Left Out: 7.705+/-0.749 χ^2 /NDF:683.6/22

Right Out: 14.009+/-1.391 χ^2 /NDF: 435.5/18

Left In: 8.450+/-0.765 χ^2 /NDF:616.3/21

Left: 8.069+/-0.535 χ^2 /NDF: 1300.4/44

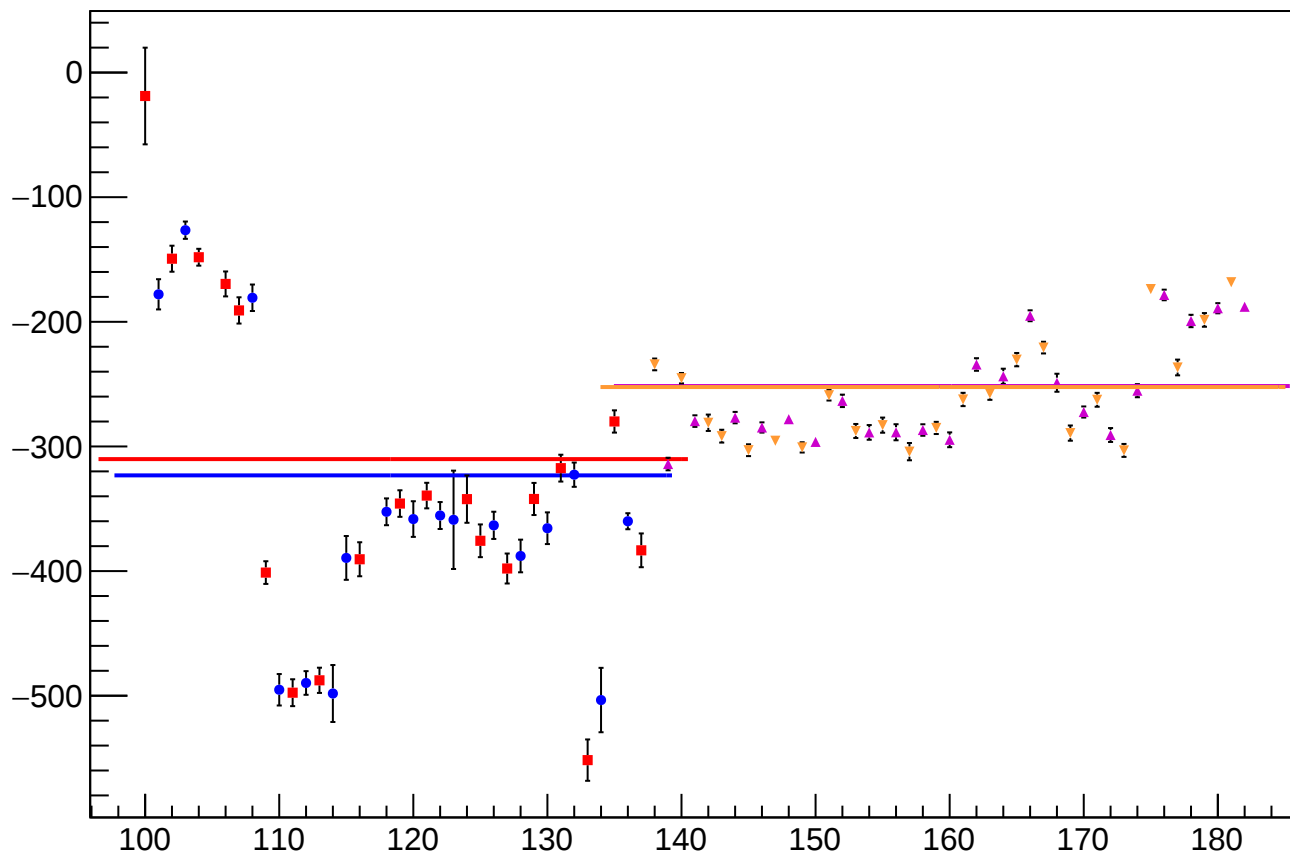
Right: 16.409+/-1.021 χ^2 /NDF: 881.4/35

In: 10.662+/-0.682 χ^2 /NDF:1096.5/38

Out: 9.121+/-0.659 χ^2 /NDF:1135.1/41

All: 9.866+/-0.474 χ^2 /NDF: 2234.2/80

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.205 ± 2.689 $\chi^2/\text{NDF}: 1846.8/16$

Left Out: -252.336 ± 1.014 $\chi^2/\text{NDF}: 2000.8/22$

Right Out: -310.154 ± 2.527 $\chi^2/\text{NDF}: 2298.0/18$

Left In: -251.524 ± 1.003 $\chi^2/\text{NDF}: 1905.7/21$

Left: -251.926 ± 0.713 $\chi^2/\text{NDF}: 3906.8/44$

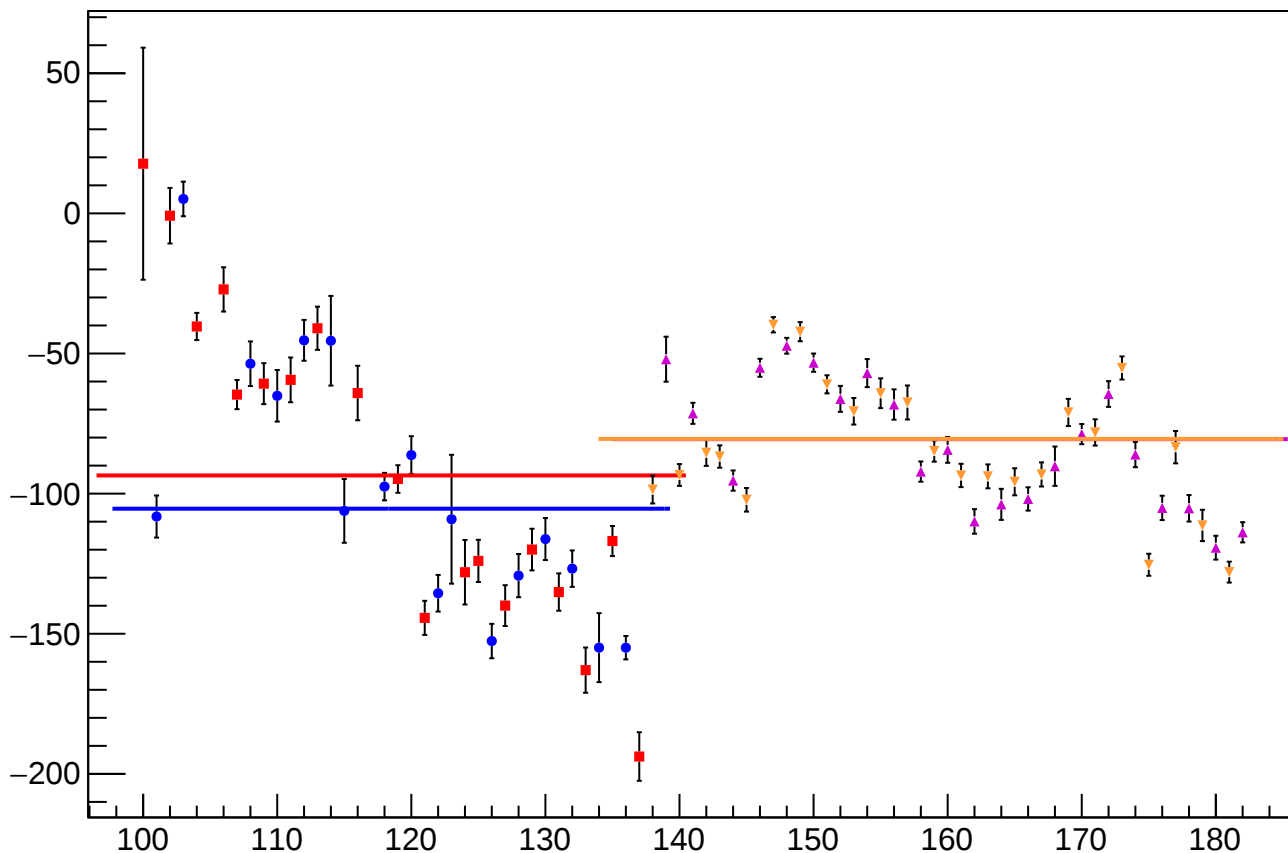
Right: -316.275 ± 1.841 $\chi^2/\text{NDF}: 4157.4/35$

In: -260.284 ± 0.940 $\chi^2/\text{NDF}: 4376.4/38$

Out: -260.354 ± 0.941 $\chi^2/\text{NDF}: 4749.9/41$

All: -260.319 ± 0.665 $\chi^2/\text{NDF}: 9126.3/80$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.376 ± 1.716 χ^2/NDF : 734.7/16

Left Out: -80.473 ± 0.871 χ^2/NDF : 861.4/22

Right Out: -93.504 ± 1.612 χ^2/NDF : 824.8/18

Left In: -80.556 ± 0.880 χ^2/NDF : 687.9/21

Left: -80.514 ± 0.619 χ^2/NDF : 1549.3/44

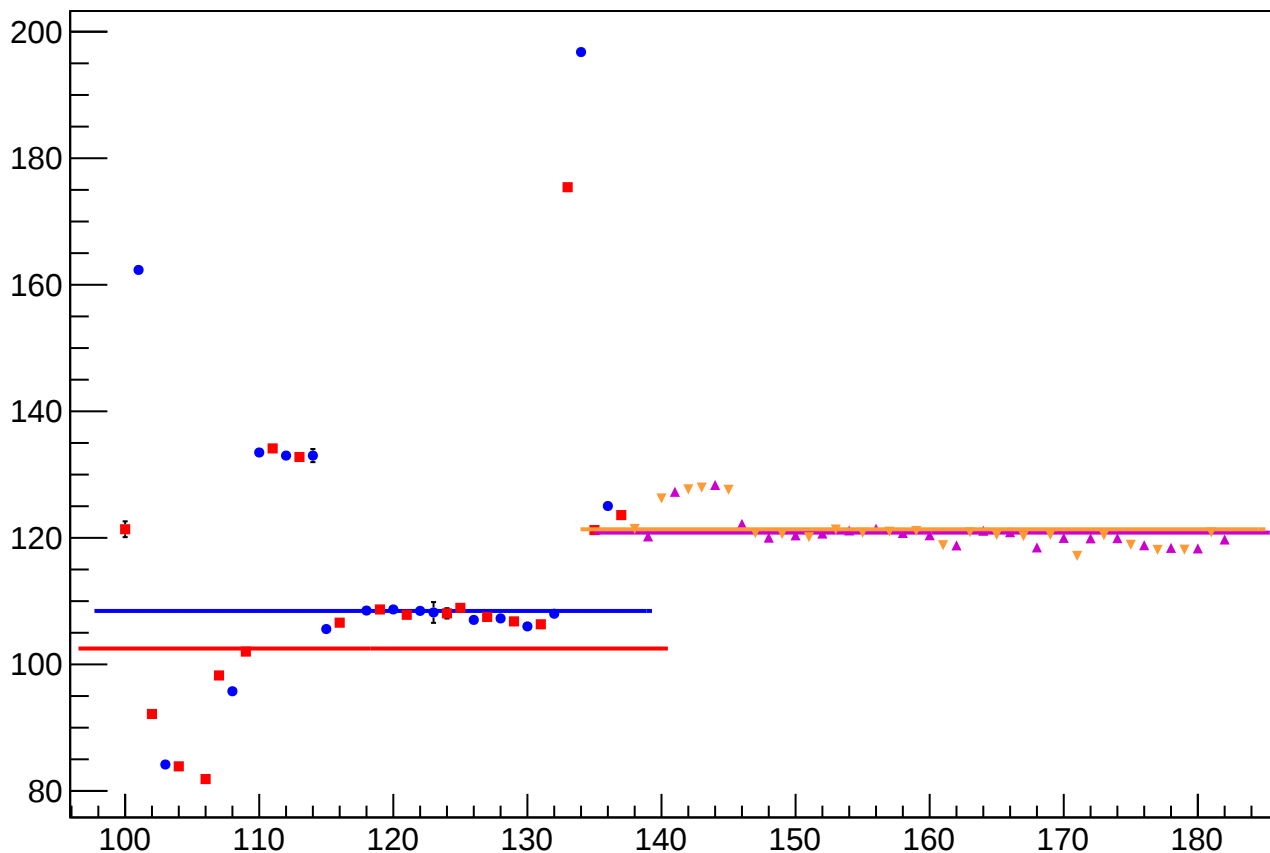
Right: -99.073 ± 1.175 χ^2/NDF : 1584.9/35

In: -85.729 ± 0.783 χ^2/NDF : 1588.3/38

Out: -83.415 ± 0.766 χ^2/NDF : 1736.8/41

All: -84.547 ± 0.548 χ^2/NDF : 3329.6/80

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.450 $\pm$ 0.085 χ^2 /NDF: 73263.0/16

Left Out: 121.353 $\pm$ 0.042 χ^2 /NDF: 4721.0/22

Right Out: 102.510 $\pm$ 0.080 χ^2 /NDF: 52979.9/18

Left In: 120.830 $\pm$ 0.041 χ^2 /NDF: 3363.9/21

Left: 121.088 $\pm$ 0.029 χ^2 /NDF: 8164.5/44

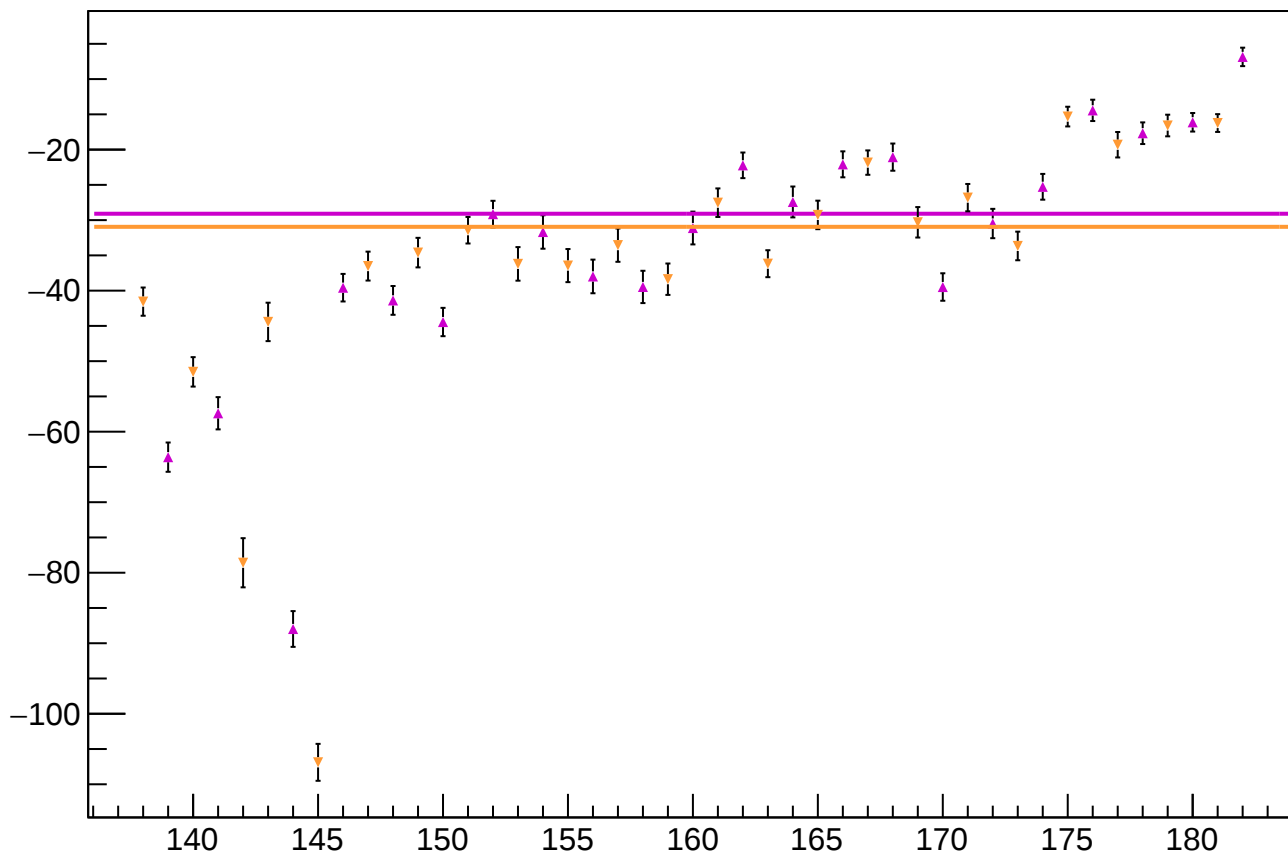
Right: 105.283 $\pm$ 0.058 χ^2 /NDF: 128842.0/35

In: 118.483 $\pm$ 0.037 χ^2 /NDF: 93787.9/38

Out: 117.299 $\pm$ 0.037 χ^2 /NDF: 101677.8/41

All: 117.889 $\pm$ 0.026 χ^2 /NDF: 195978.3/80

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: -30.950+/-0.408 χ^2/NDF :1646.0/22

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

Left In: -29.094+/-0.401 χ^2/NDF :1744.4/21

Left: -30.006+/-0.286 χ^2/NDF : 3400.9/44

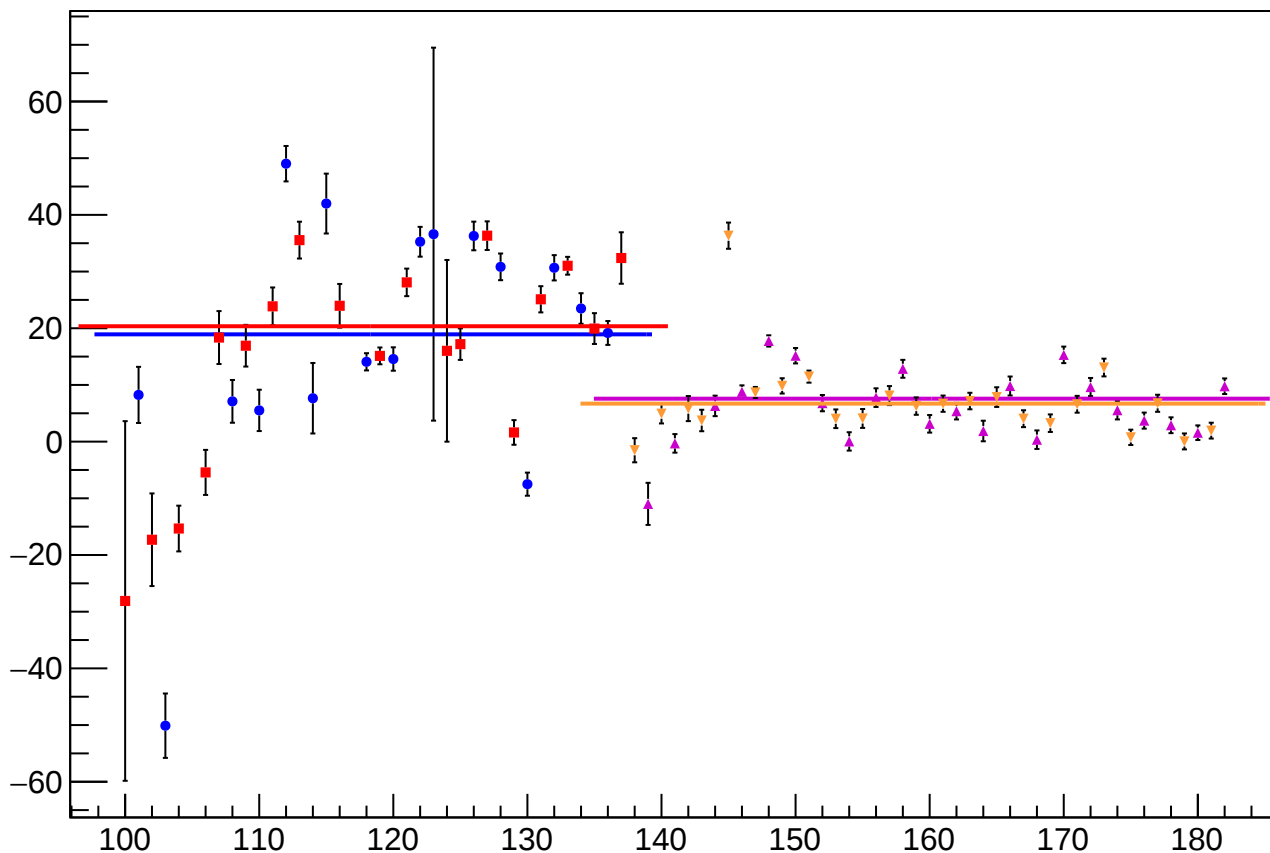
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.094+/-0.401 χ^2/NDF :1744.4/21

Out: -30.950+/-0.408 χ^2/NDF :1646.0/22

All: -30.006+/-0.286 χ^2/NDF : 3400.9/44

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.924 $\pm$ 0.654 χ^2 /NDF: 616.2/16

Left Out: 6.702 $\pm$ 0.312 χ^2 /NDF:297.1/22

Right Out: 20.353 $\pm$ 0.643 χ^2 /NDF: 364.7/18

Left In: 7.575 $\pm$ 0.316 χ^2 /NDF:335.2/21

Left: 7.133 $\pm$ 0.222 χ^2 /NDF: 636.2/44

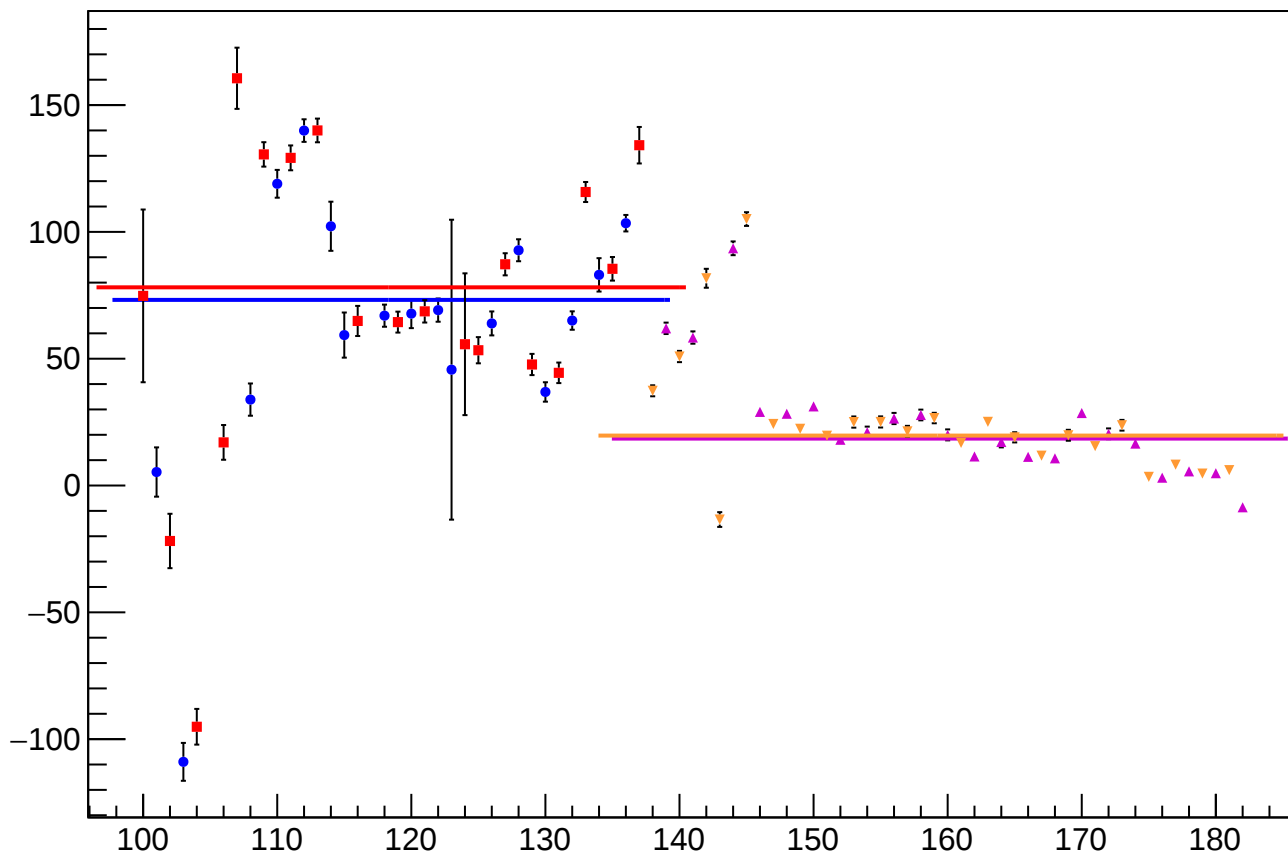
Right: 19.651 $\pm$ 0.459 χ^2 /NDF: 983.3/35

In: 9.723 $\pm$ 0.285 χ^2 /NDF:1195.5/38

Out: 9.306 $\pm$ 0.281 χ^2 /NDF:1026.3/41

All: 9.512 $\pm$ 0.200 χ^2 /NDF: 2222.8/80

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.189 $\pm$ 1.239 χ^2 /NDF: 1199.7/16

Left Out: 19.687 $\pm$ 0.404 χ^2 /NDF: 2119.3/22

Right Out: 78.140 $\pm$ 1.225 χ^2 /NDF: 1545.8/18

Left In: 18.502 $\pm$ 0.397 χ^2 /NDF: 2306.0/21

Left: 19.084 $\pm$ 0.283 χ^2 /NDF: 4429.6/44

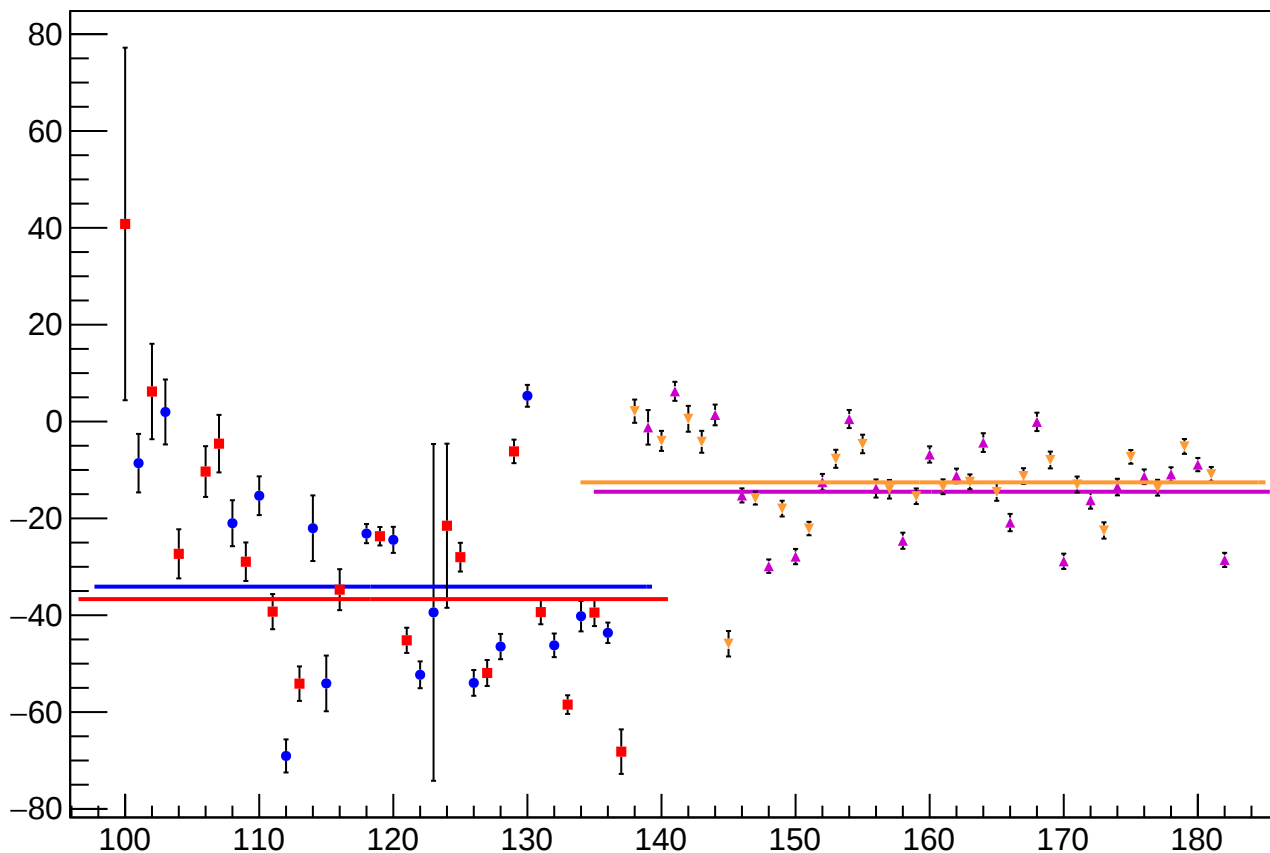
Right: 75.692 $\pm$ 0.871 χ^2 /NDF: 2753.6/35

In: 23.602 $\pm$ 0.378 χ^2 /NDF: 5272.9/38

Out: 25.431 $\pm$ 0.384 χ^2 /NDF: 5717.8/41

All: 24.503 $\pm$ 0.270 χ^2 /NDF: 11002.2/80

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.097 ± 0.746 χ^2/NDF : 714.9/16

Left Out: -12.560 ± 0.356 χ^2/NDF : 427.8/22

Right Out: -36.670 ± 0.737 χ^2/NDF : 542.9/18

Left In: -14.499 ± 0.357 χ^2/NDF : 804.4/21

Left: -13.526 ± 0.252 χ^2/NDF : 1247.0/44

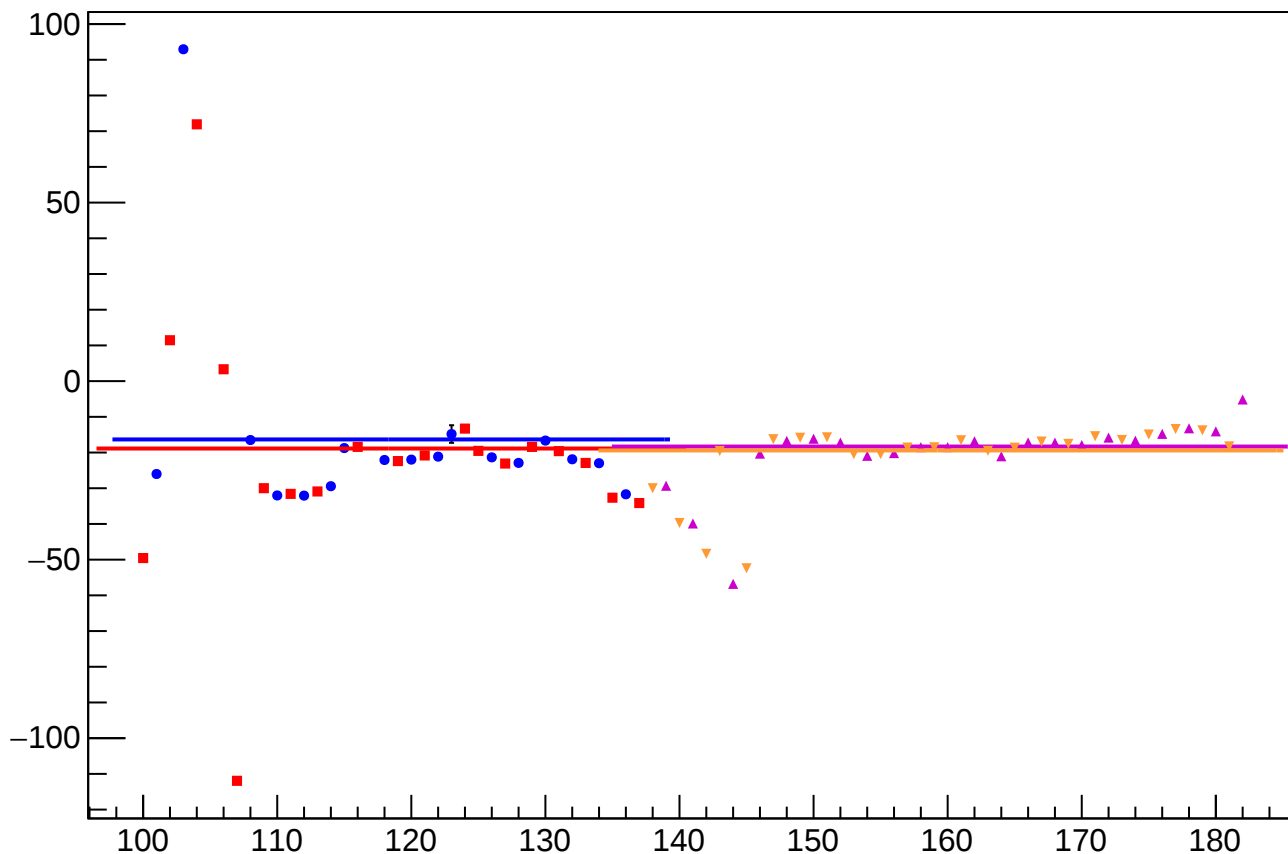
Right: -35.399 ± 0.524 χ^2/NDF : 1263.7/35

In: -18.155 ± 0.322 χ^2/NDF : 2080.3/38

Out: -17.119 ± 0.321 χ^2/NDF : 1837.9/41

All: -17.634 ± 0.227 χ^2/NDF : 3923.4/80

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.329 ± 0.045 $\chi^2/\text{NDF}: 474104.2/16$

Left Out: -19.413 ± 0.016 $\chi^2/\text{NDF}: 224687.5/22$

Right Out: -18.876 ± 0.045 $\chi^2/\text{NDF}: 433788.6/18$

Left In: -18.322 ± 0.016 $\chi^2/\text{NDF}: 231263.8/21$

Left: -18.860 ± 0.012 $\chi^2/\text{NDF}: 458172.0/44$

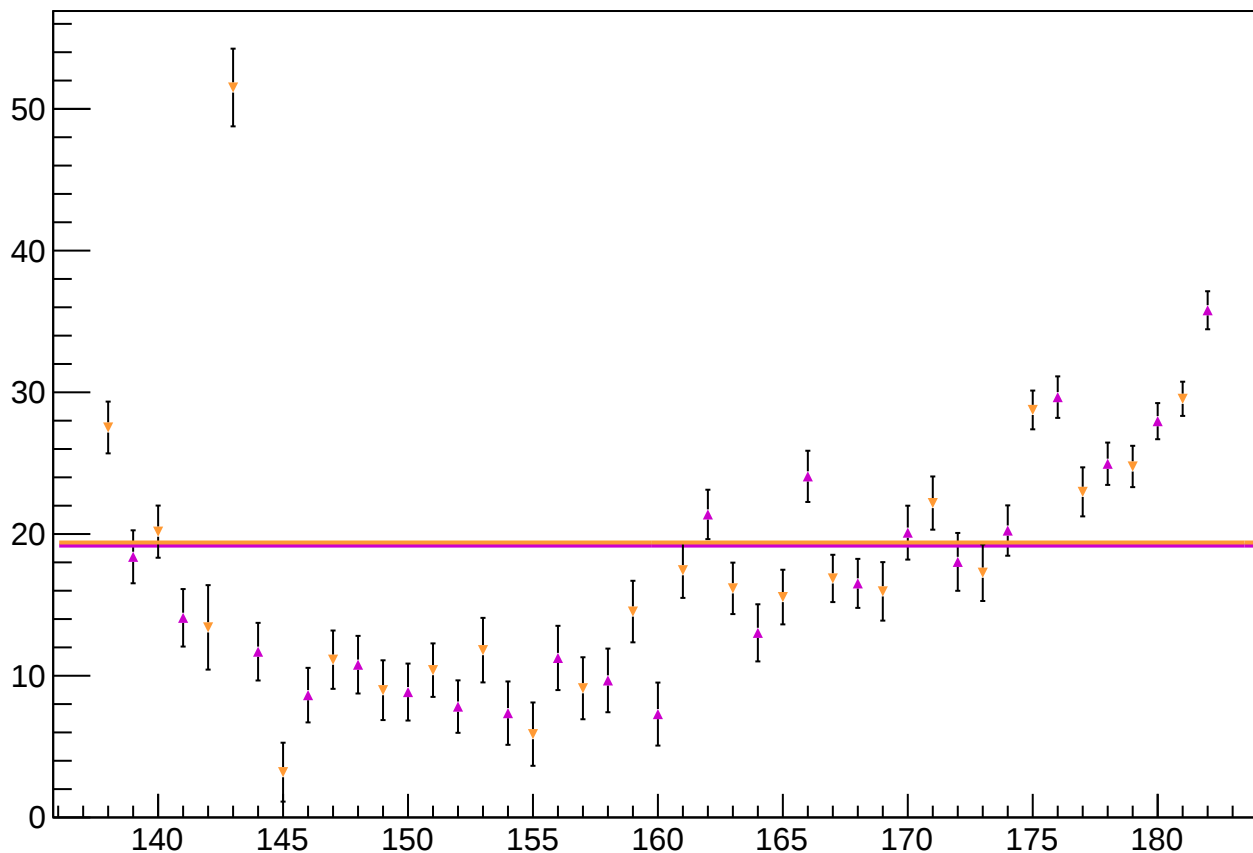
Right: -17.584 ± 0.032 $\chi^2/\text{NDF}: 909491.7/35$

In: -18.090 ± 0.015 $\chi^2/\text{NDF}: 707124.7/38$

Out: -19.350 ± 0.015 $\chi^2/\text{NDF}: 658600.1/41$

All: -18.711 ± 0.011 $\chi^2/\text{NDF}: 1369084.5/80$

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: 19.403+/-0.389 χ^2/NDF :512.0/22

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

Left In: 19.184+/-0.385 χ^2/NDF :506.3/21

Left: 19.292+/-0.273 χ^2/NDF : 1018.4/44

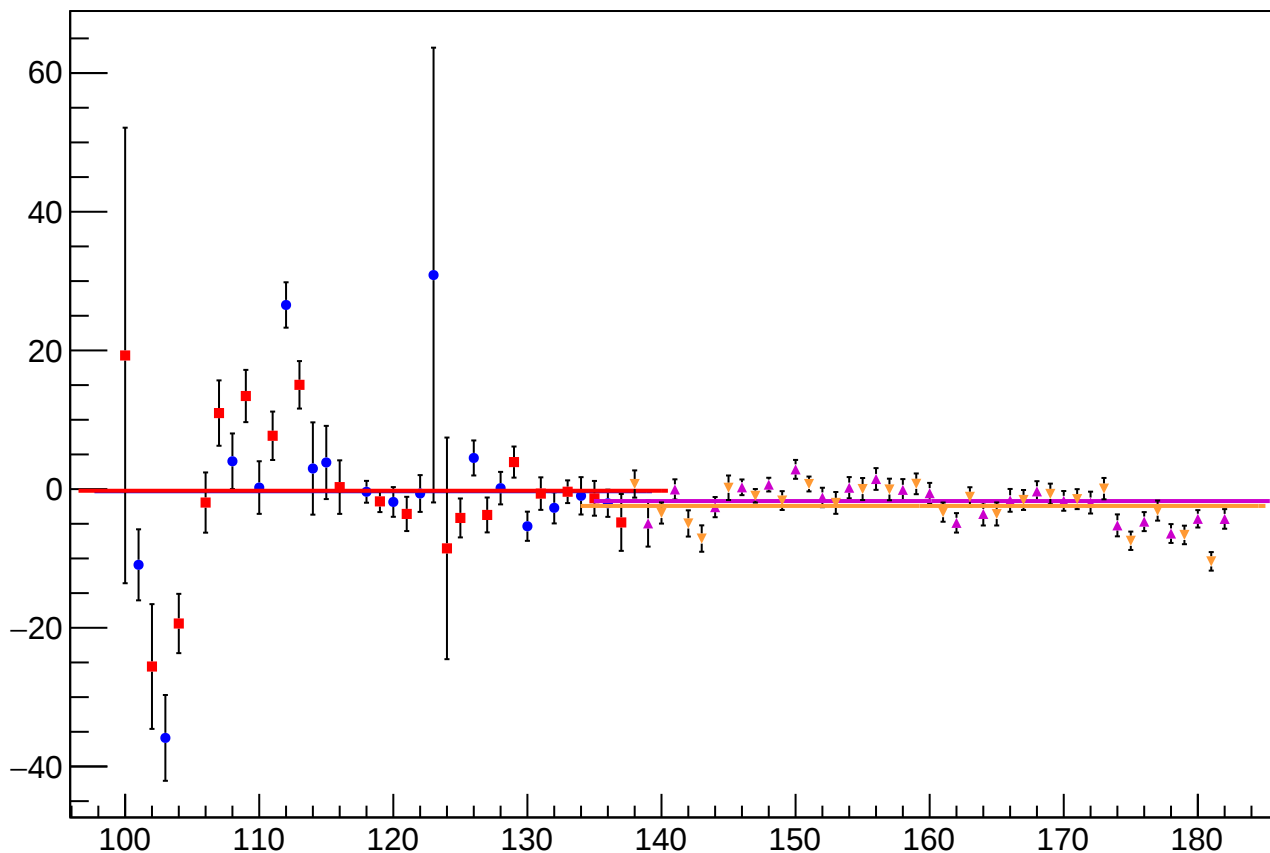
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 19.184+/-0.385 χ^2/NDF :506.3/21

Out: 19.403+/-0.389 χ^2/NDF :512.0/22

All: 19.292+/-0.273 χ^2/NDF : 1018.4/44

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.309 ± 0.663 χ^2/NDF : 119.6/16

Left Out: -2.427 ± 0.300 χ^2/NDF : 100.4/22

Right Out: -0.237 ± 0.657 χ^2/NDF : 84.2/18

Left In: -1.721 ± 0.304 χ^2/NDF : 66.4/21

Left: -2.079 ± 0.214 χ^2/NDF : 169.5/44

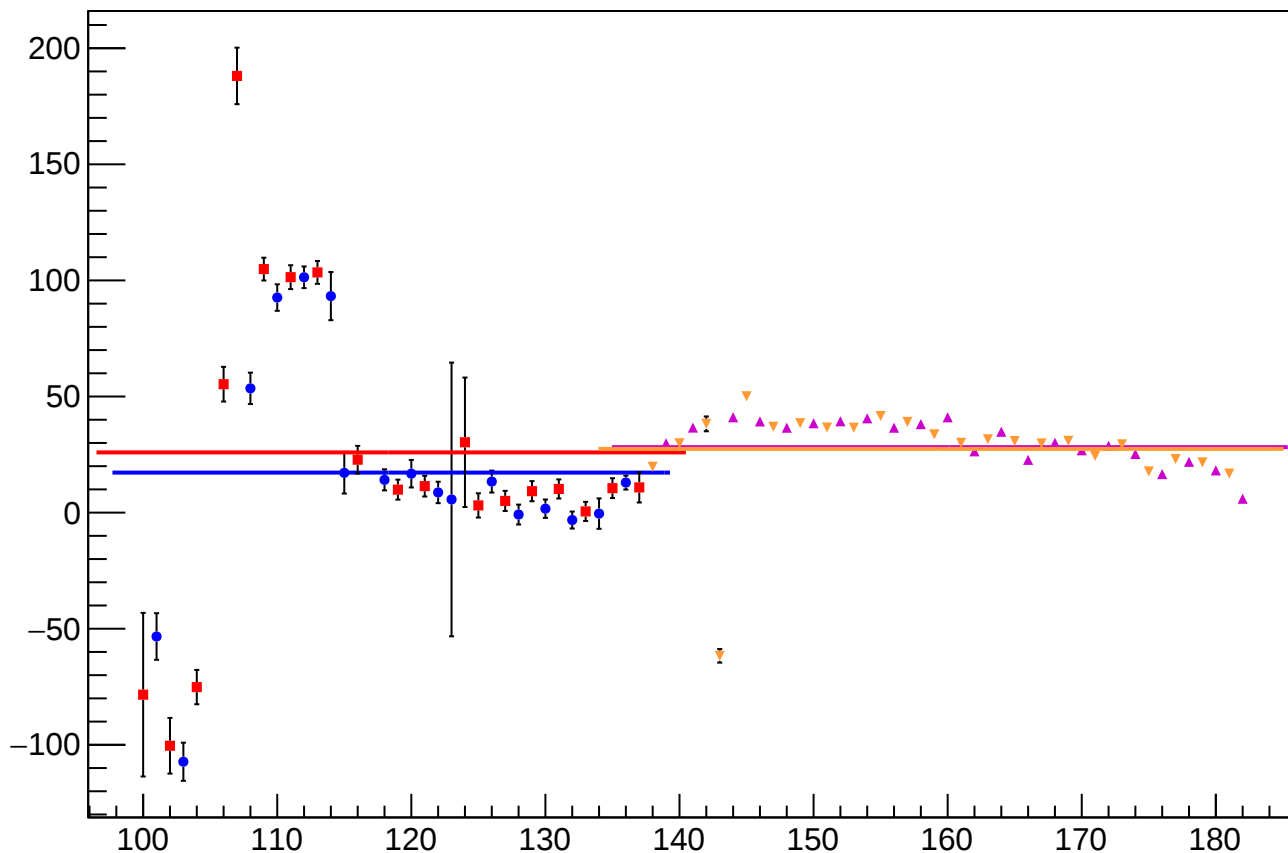
Right: -0.273 ± 0.467 χ^2/NDF : 203.8/35

In: -1.475 ± 0.277 χ^2/NDF : 189.7/38

Out: -2.049 ± 0.273 χ^2/NDF : 193.8/41

All: -1.766 ± 0.194 χ^2/NDF : 385.7/80

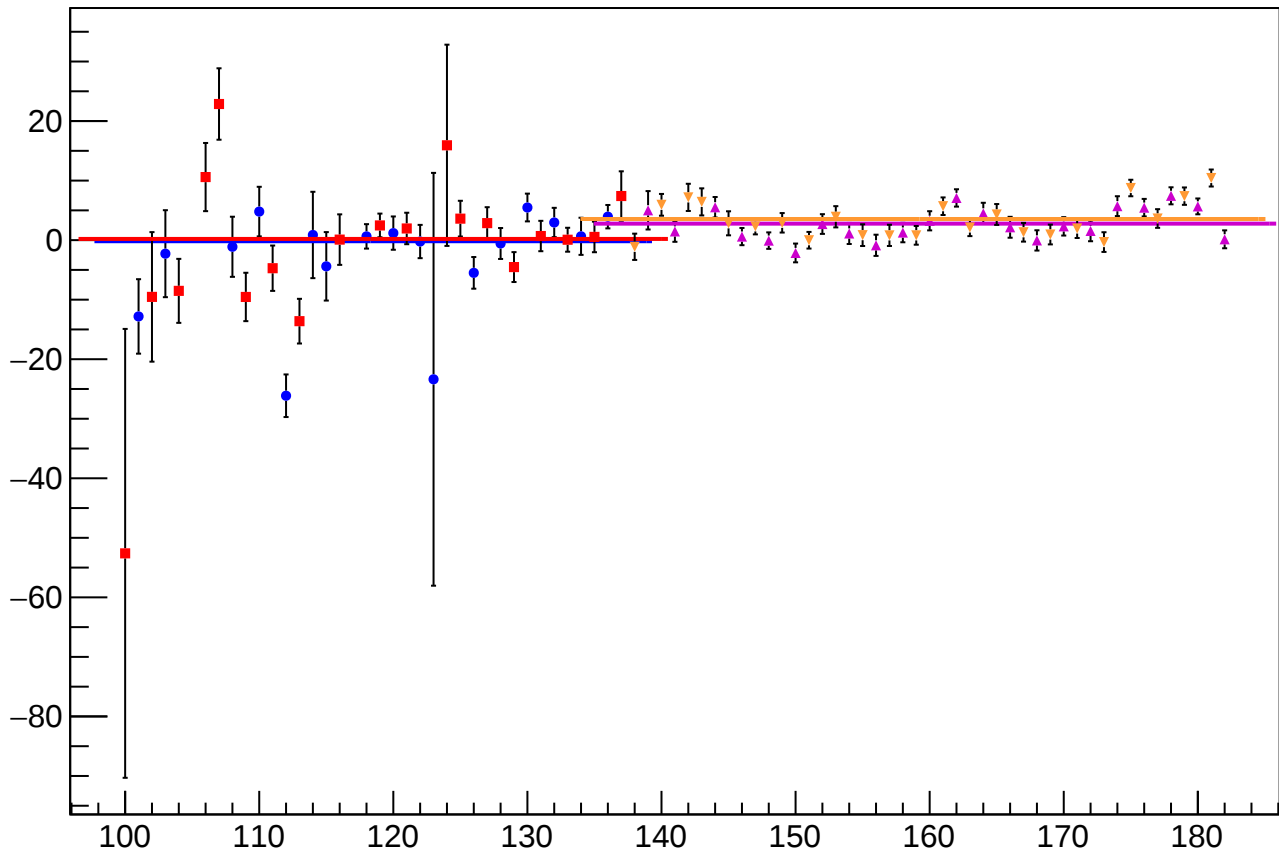
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.239 ± 1.249 $\chi^2/\text{NDF}: 940.3/16$
 Left Out: 27.451 ± 0.387 $\chi^2/\text{NDF}: 1417.2/22$
 Right Out: 25.926 ± 1.246 $\chi^2/\text{NDF}: 1374.8/18$
 Left In: 28.200 ± 0.382 $\chi^2/\text{NDF}: 713.5/21$

Left: 27.830 ± 0.272 $\chi^2/\text{NDF}: 2132.7/44$
 Right: 21.595 ± 0.882 $\chi^2/\text{NDF}: 2339.4/35$
 In: 27.262 ± 0.365 $\chi^2/\text{NDF}: 1724.3/38$
 Out: 27.317 ± 0.369 $\chi^2/\text{NDF}: 2793.4/41$
 All: 27.289 ± 0.260 $\chi^2/\text{NDF}: 4517.7/80$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.183 ± 0.753 χ^2/NDF : 75.7/16

Left Out: 3.550 ± 0.341 χ^2/NDF : 84.1/22

Right Out: 0.202 ± 0.750 χ^2/NDF : 55.4/18

Left In: 2.771 ± 0.344 χ^2/NDF : 63.9/21

Left: 3.163 ± 0.242 χ^2/NDF : 150.6/44

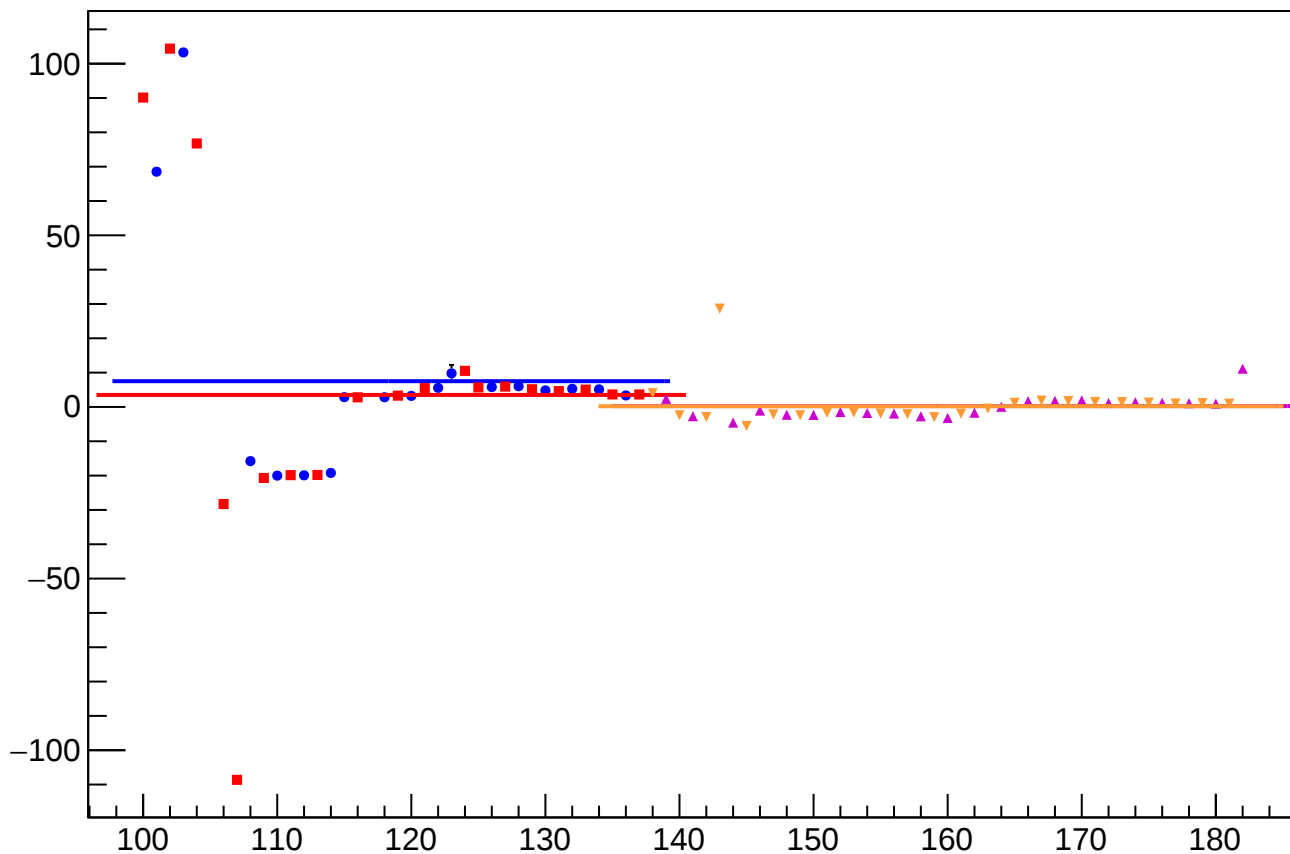
Right: 0.010 ± 0.531 χ^2/NDF : 131.2/35

In: 2.261 ± 0.313 χ^2/NDF : 152.3/38

Out: 2.975 ± 0.311 χ^2/NDF : 156.0/41

All: 2.621 ± 0.220 χ^2/NDF : 311.0/80

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.507 ± 0.045 χ^2/NDF : 355810.5/16

Left Out: 0.214 ± 0.016 χ^2/NDF : 77765.5/22

Right Out: 3.499 ± 0.046 χ^2/NDF : 510576.0/18

Left In: 0.254 ± 0.016 χ^2/NDF : 41673.3/21

Left: 0.234 ± 0.011 χ^2/NDF : 119442.1/44

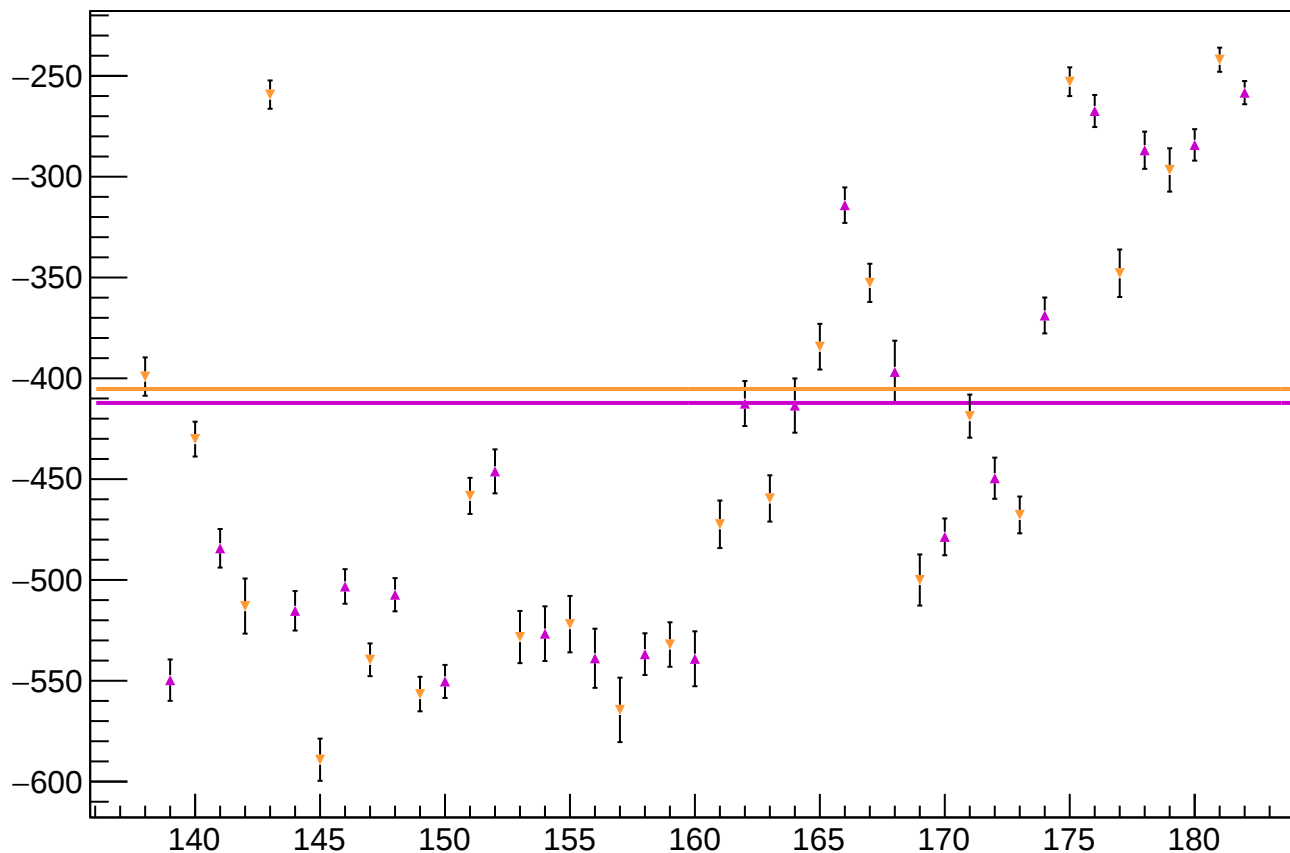
Right: 5.547 ± 0.032 χ^2/NDF : 870320.0/35

In: 1.039 ± 0.015 χ^2/NDF : 420976.8/38

Out: 0.561 ± 0.015 χ^2/NDF : 592963.8/41

All: 0.803 ± 0.010 χ^2/NDF : 1014464.0/80

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: -405.285+/-2.008 χ^2/NDF :3347.0/22

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

Left In: -412.204+/-2.015 χ^2/NDF :2977.7/21

Left: -408.733+/-1.422 χ^2/NDF : 6330.6/44

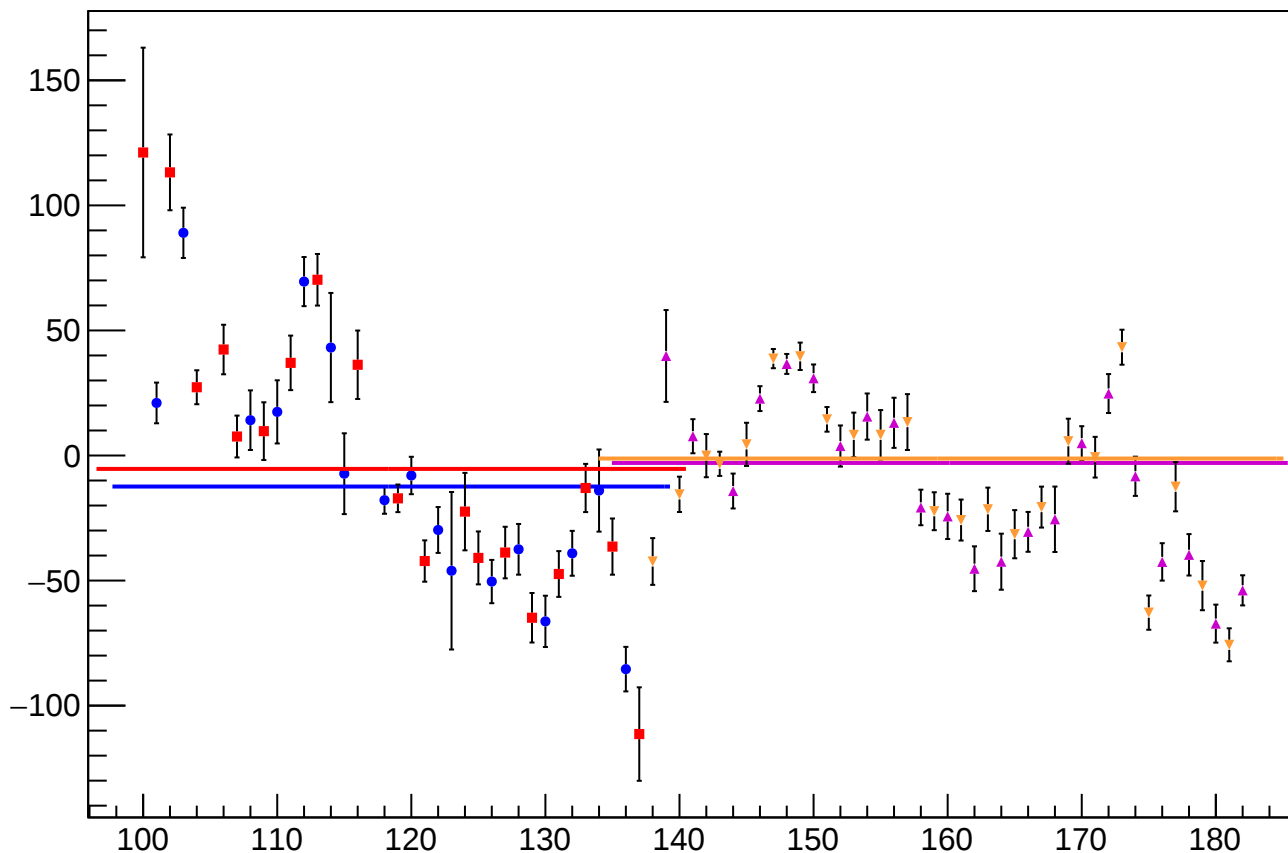
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -412.204+/-2.015 χ^2/NDF :2977.7/21

Out: -405.285+/-2.008 χ^2/NDF :3347.0/22

All: -408.733+/-1.422 χ^2/NDF : 6330.6/44

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.408 ± 2.353 χ^2/NDF : 340.6/16

Left Out: -1.205 ± 1.477 χ^2/NDF : 516.9/22

Right Out: -5.355 ± 2.261 χ^2/NDF : 344.1/18

Left In: -2.975 ± 1.537 χ^2/NDF : 447.1/21

Left: -2.055 ± 1.065 χ^2/NDF : 964.7/44

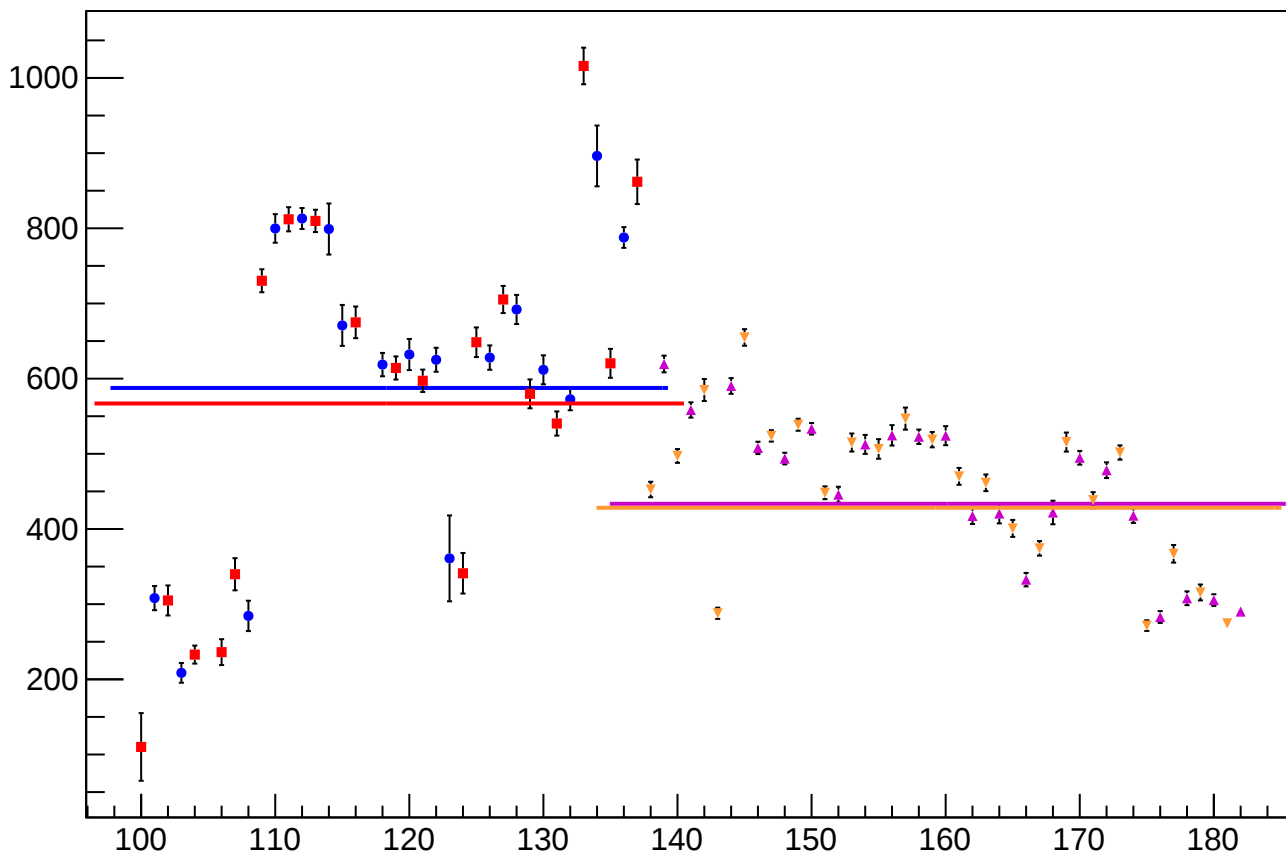
Right: -8.741 ± 1.631 χ^2/NDF : 689.4/35

In: -5.796 ± 1.287 χ^2/NDF : 799.0/38

Out: -2.446 ± 1.237 χ^2/NDF : 863.4/41

All: -4.055 ± 0.892 χ^2/NDF : 1665.9/80

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.620 $\pm$ 4.361 χ^2 /NDF: 2127.1/16

Left Out: 428.251 $\pm$ 2.008 χ^2 /NDF:2942.7/22

Right Out: 566.959 $\pm$ 4.142 χ^2 /NDF: 2782.6/18

Left In: 433.486 $\pm$ 2.003 χ^2 /NDF:2788.3/21

Left: 430.874 $\pm$ 1.418 χ^2 /NDF: 5734.4/44

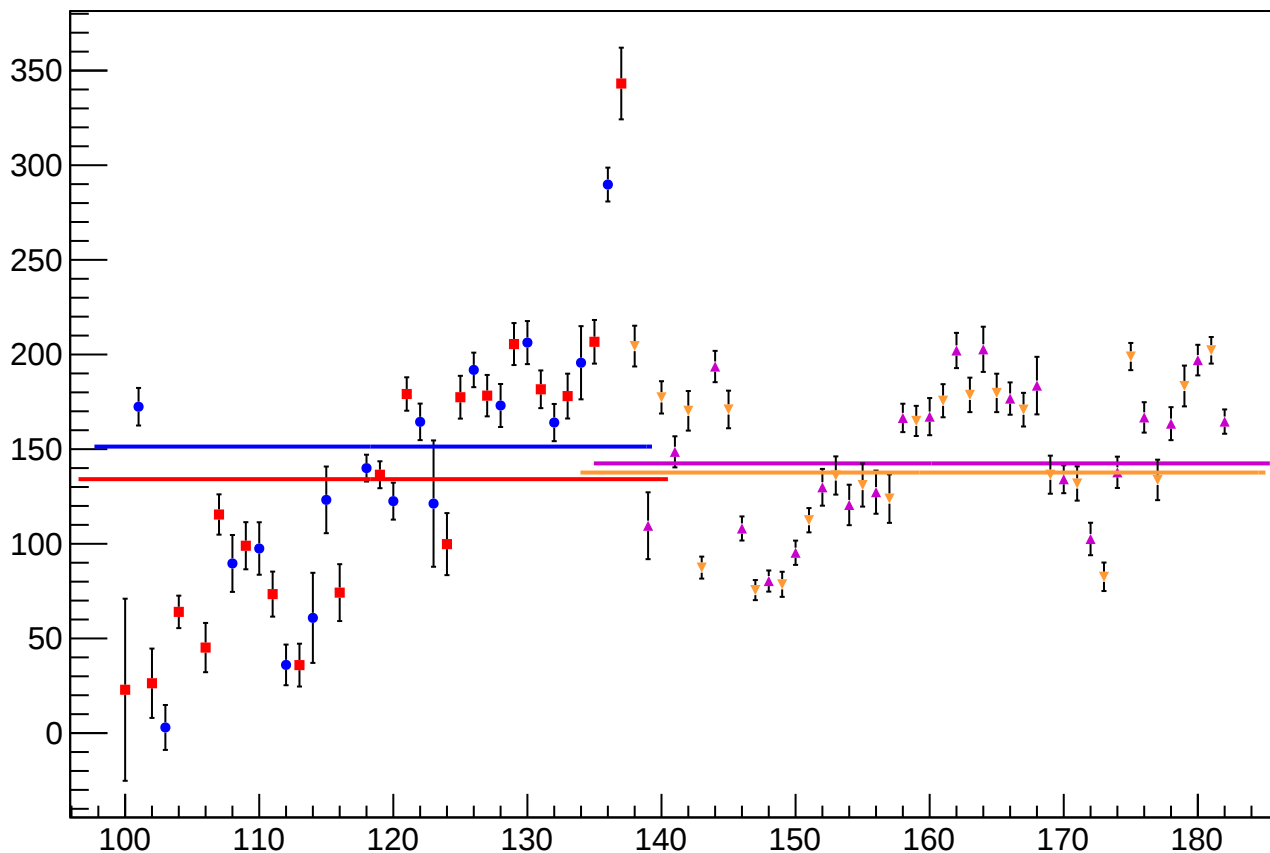
Right: 576.758 $\pm$ 3.004 χ^2 /NDF: 4921.6/35

In: 460.342 $\pm$ 1.821 χ^2 /NDF:5946.7/38

Out: 454.636 $\pm$ 1.807 χ^2 /NDF:6633.3/41

All: 457.467 $\pm$ 1.282 χ^2 /NDF: 12585.0/80

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.359 $\pm$ 2.715 χ^2 /NDF: 632.2/16

Left Out: 137.645 $\pm$ 1.721 χ^2 /NDF:700.4/22

Right Out: 134.147 $\pm$ 2.620 χ^2 /NDF: 582.9/18

Left In: 142.479 $\pm$ 1.767 χ^2 /NDF:459.3/21

Left: 139.999 $\pm$ 1.233 χ^2 /NDF: 1163.6/44

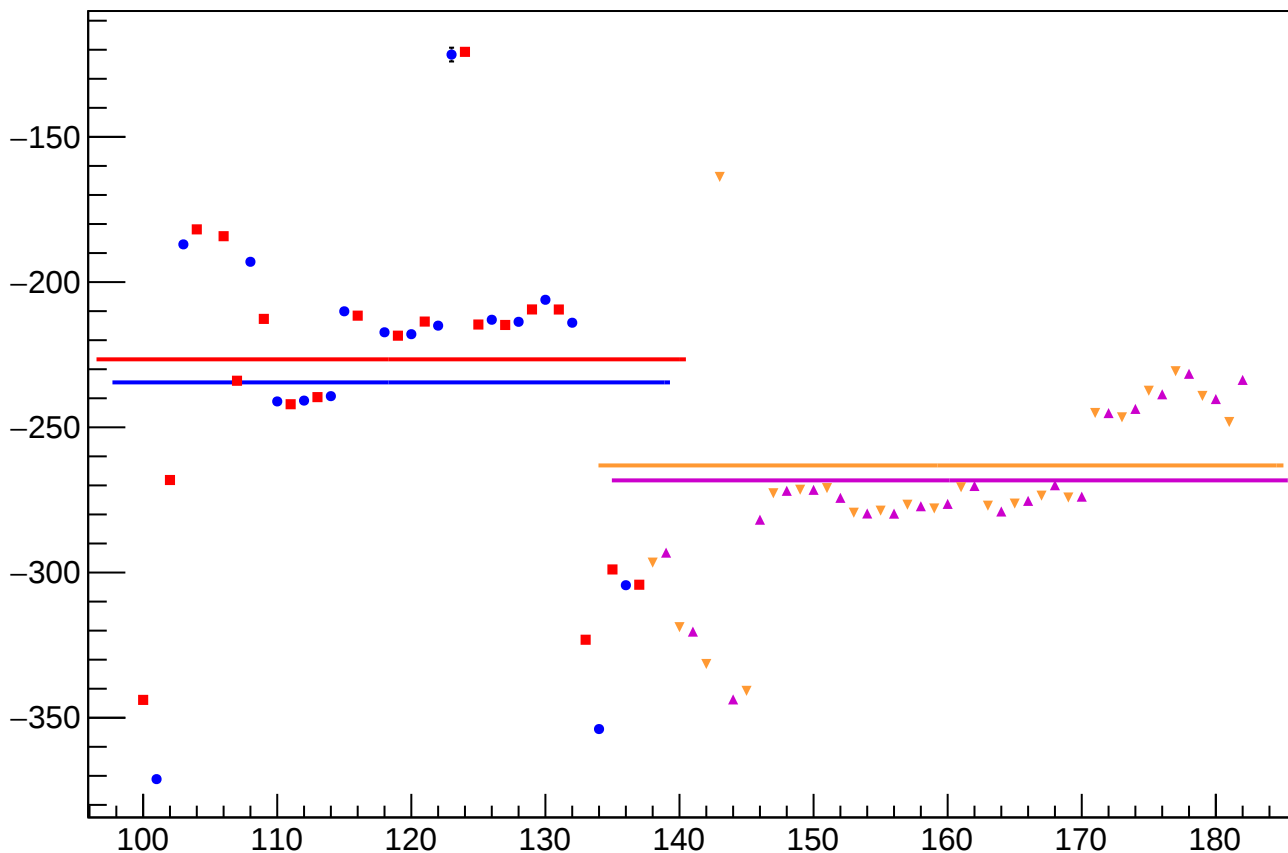
Right: 142.445 $\pm$ 1.885 χ^2 /NDF: 1235.9/35

In: 145.120 $\pm$ 1.481 χ^2 /NDF:1099.1/38

Out: 136.590 $\pm$ 1.439 χ^2 /NDF:1284.5/41

All: 140.732 $\pm$ 1.032 χ^2 /NDF: 2400.7/80

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.530+/-0.149 χ^2/NDF : 145014.5/16

Left Out: -263.122+/-0.083 χ^2/NDF : 209981.4/22

Right Out: -226.593+/-0.142 χ^2/NDF : 98973.6/18

Left In: -268.267+/-0.083 χ^2/NDF : 94366.9/21

Left: -265.701+/-0.059 χ^2/NDF : 306271.1/44

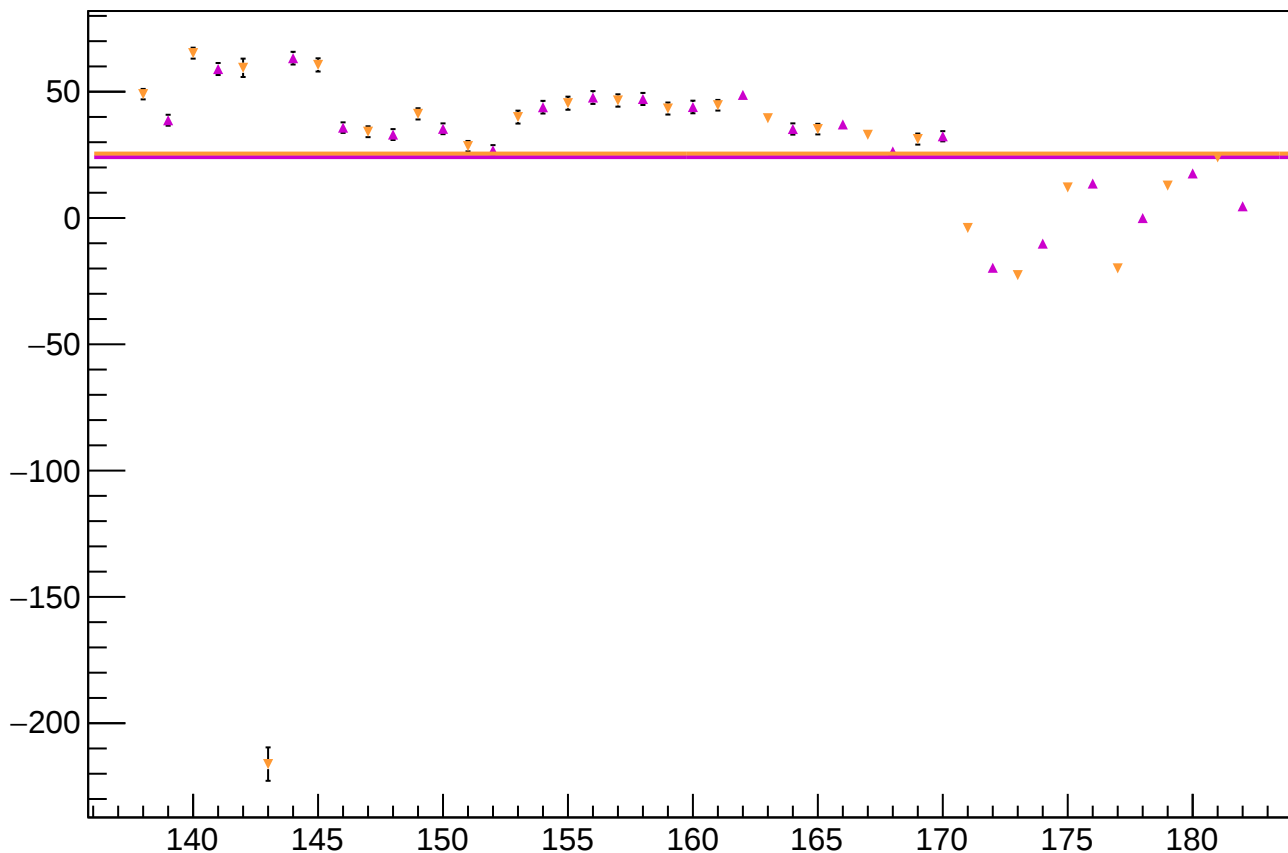
Right: -230.352+/-0.103 χ^2/NDF : 245477.8/35

In: -260.314+/-0.072 χ^2/NDF : 278452.2/38

Out: -253.763+/-0.072 χ^2/NDF : 358497.3/41

All: -257.002+/-0.051 χ^2/NDF : 641083.7/80

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 25.502 $\pm$ 0.418 χ^2 /NDF:4133.7/22

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

Left In: 24.105 $\pm$ 0.407 χ^2 /NDF:2548.2/21

Left: 24.785 $\pm$ 0.292 χ^2 /NDF: 6687.6/44

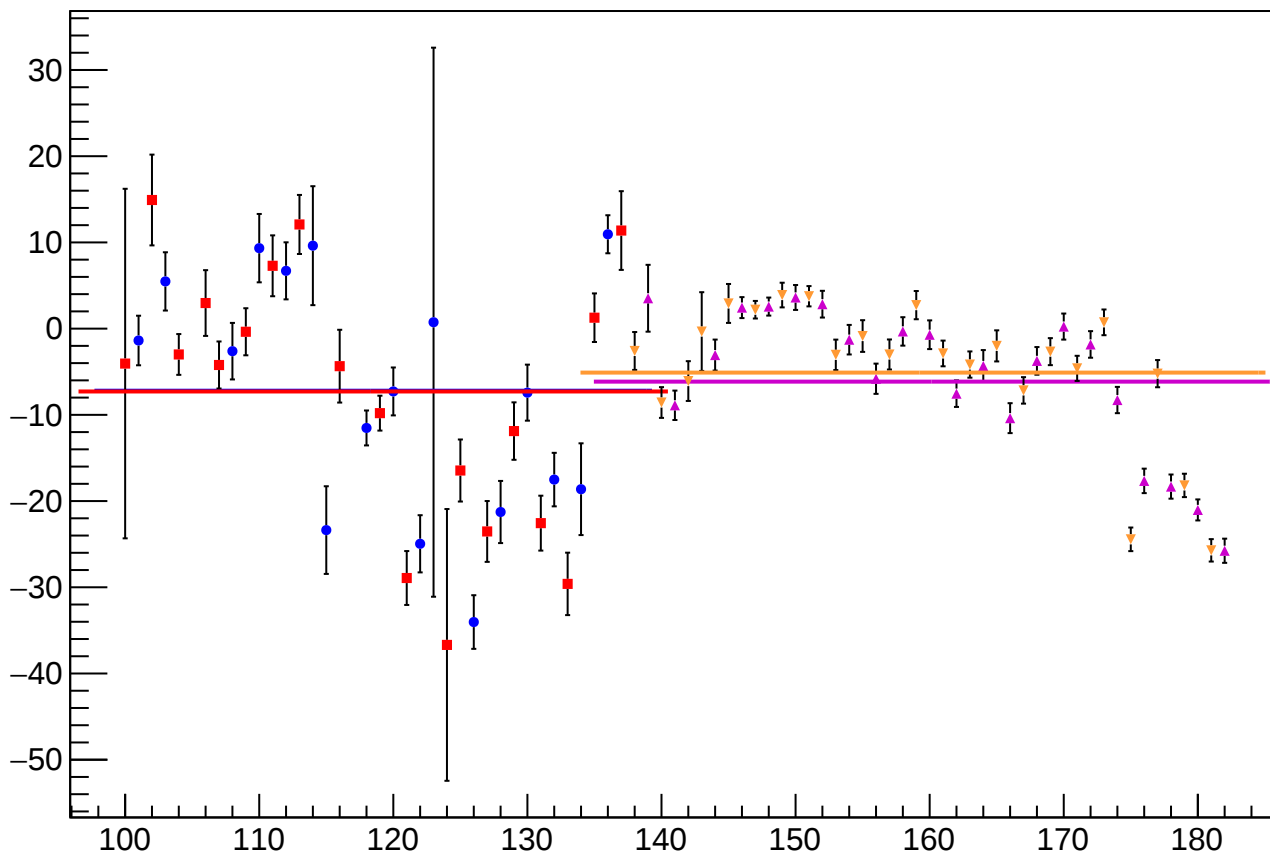
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 24.105 $\pm$ 0.407 χ^2 /NDF:2548.2/21

Out: 25.502 $\pm$ 0.418 χ^2 /NDF:4133.7/22

All: 24.785 $\pm$ 0.292 χ^2 /NDF: 6687.6/44

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.201 ± 0.790 χ^2/NDF : 277.5/16

Left Out: -5.098 ± 0.325 χ^2/NDF : 766.7/22

Right Out: -7.289 ± 0.762 χ^2/NDF : 255.0/18

Left In: -6.148 ± 0.324 χ^2/NDF : 764.9/21

Left: -5.625 ± 0.230 χ^2/NDF : 1536.8/44

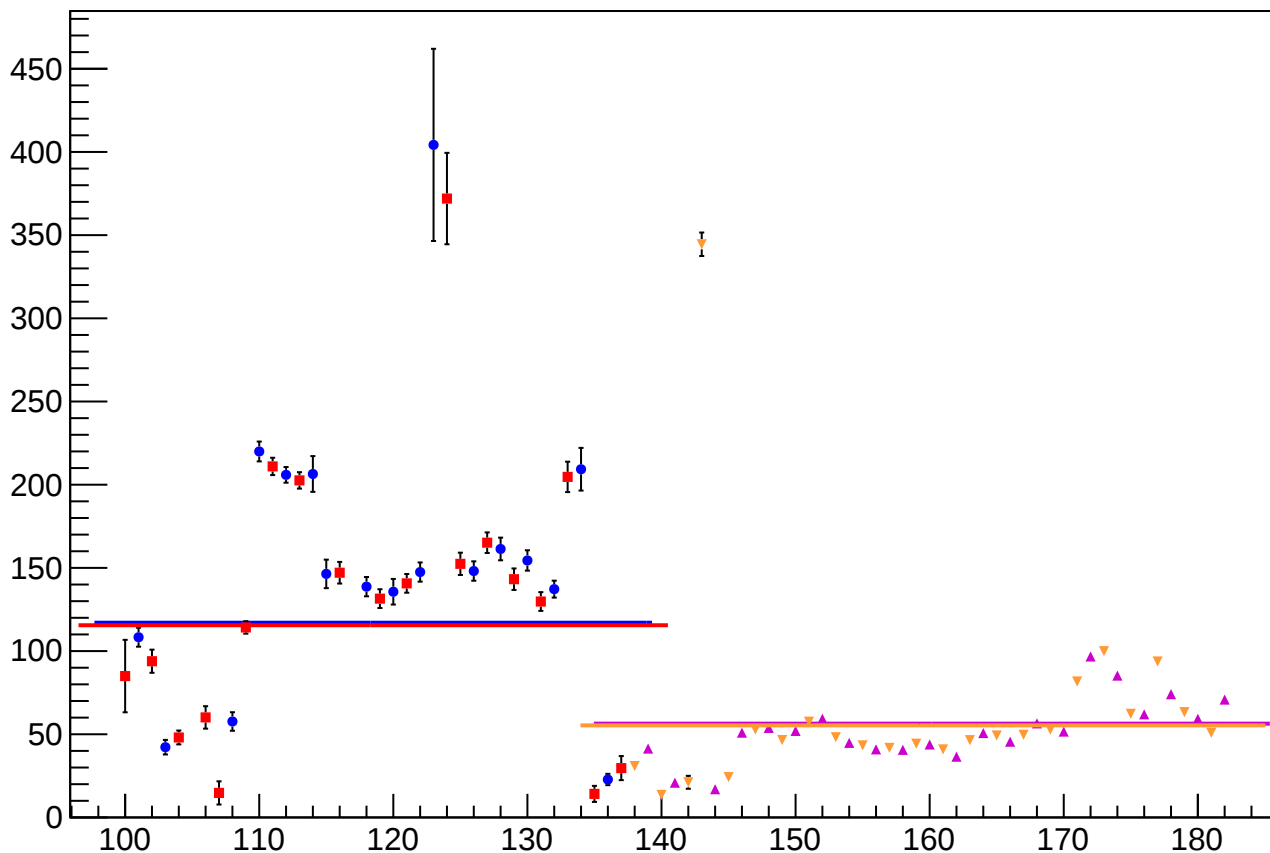
Right: -7.247 ± 0.548 χ^2/NDF : 532.5/35

In: -6.299 ± 0.300 χ^2/NDF : 1043.9/38

Out: -5.436 ± 0.299 χ^2/NDF : 1028.7/41

All: -5.866 ± 0.212 χ^2/NDF : 2076.8/80

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.046 $\pm$ 1.419 χ^2/NDF : 2159.0/16

Left Out: 55.340 $\pm$ 0.416 χ^2/NDF :3700.9/22

Right Out: 115.529 $\pm$ 1.363 χ^2/NDF : 2135.6/18

Left In: 56.377 $\pm$ 0.405 χ^2/NDF :1667.9/21

Left: 55.872 $\pm$ 0.290 χ^2/NDF : 5372.0/44

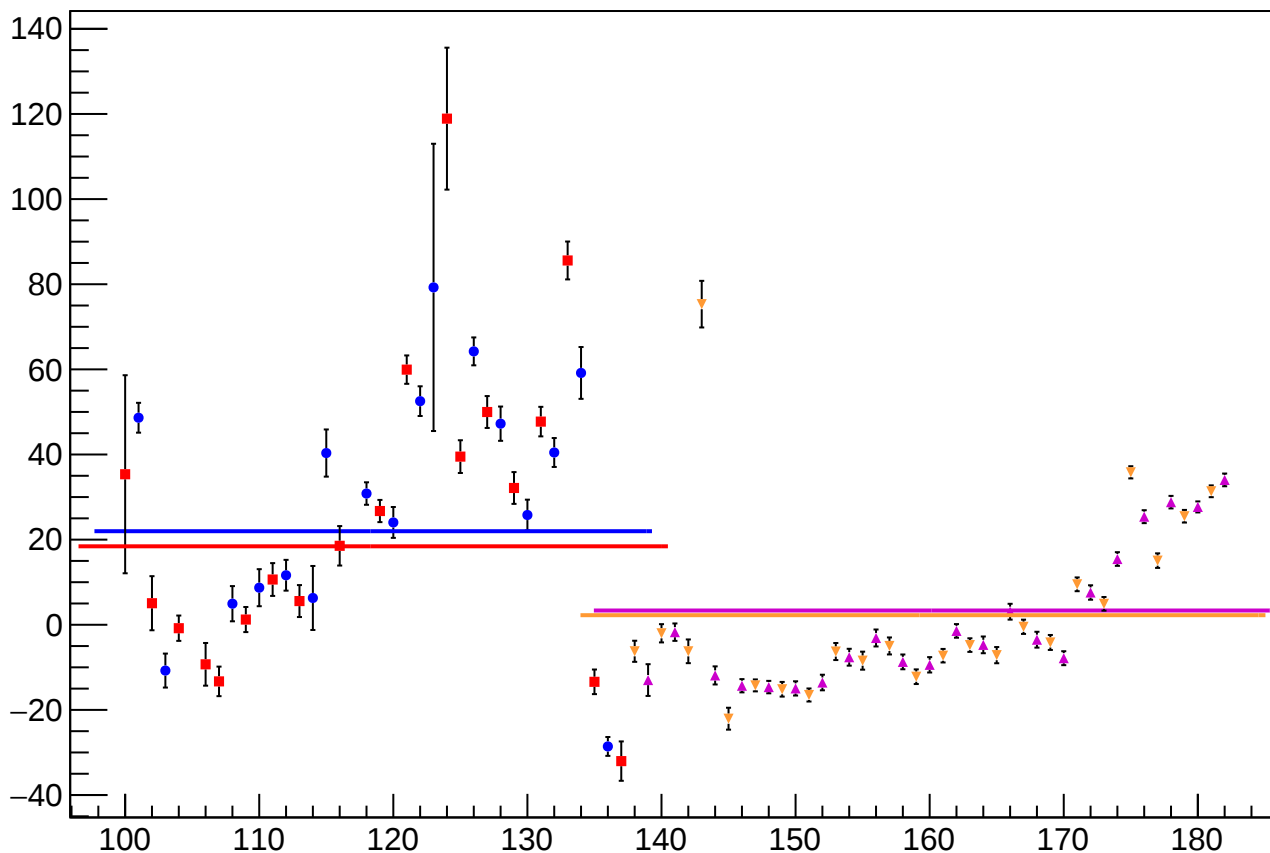
Right: 116.257 $\pm$ 0.983 χ^2/NDF : 4295.2/35

In: 60.943 $\pm$ 0.389 χ^2/NDF :5516.8/38

Out: 60.460 $\pm$ 0.398 χ^2/NDF :7620.7/41

All: 60.706 $\pm$ 0.278 χ^2/NDF : 13138.2/80

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.981 $\pm$ 0.900 χ^2 /NDF: 1061.2/16

Left Out: 2.250 $\pm$ 0.369 χ^2 /NDF:2216.8/22

Right Out: 18.432 $\pm$ 0.873 χ^2 /NDF: 1066.0/18

Left In: 3.352 $\pm$ 0.366 χ^2 /NDF:2131.4/21

Left: 2.806 $\pm$ 0.260 χ^2 /NDF: 4352.7/44

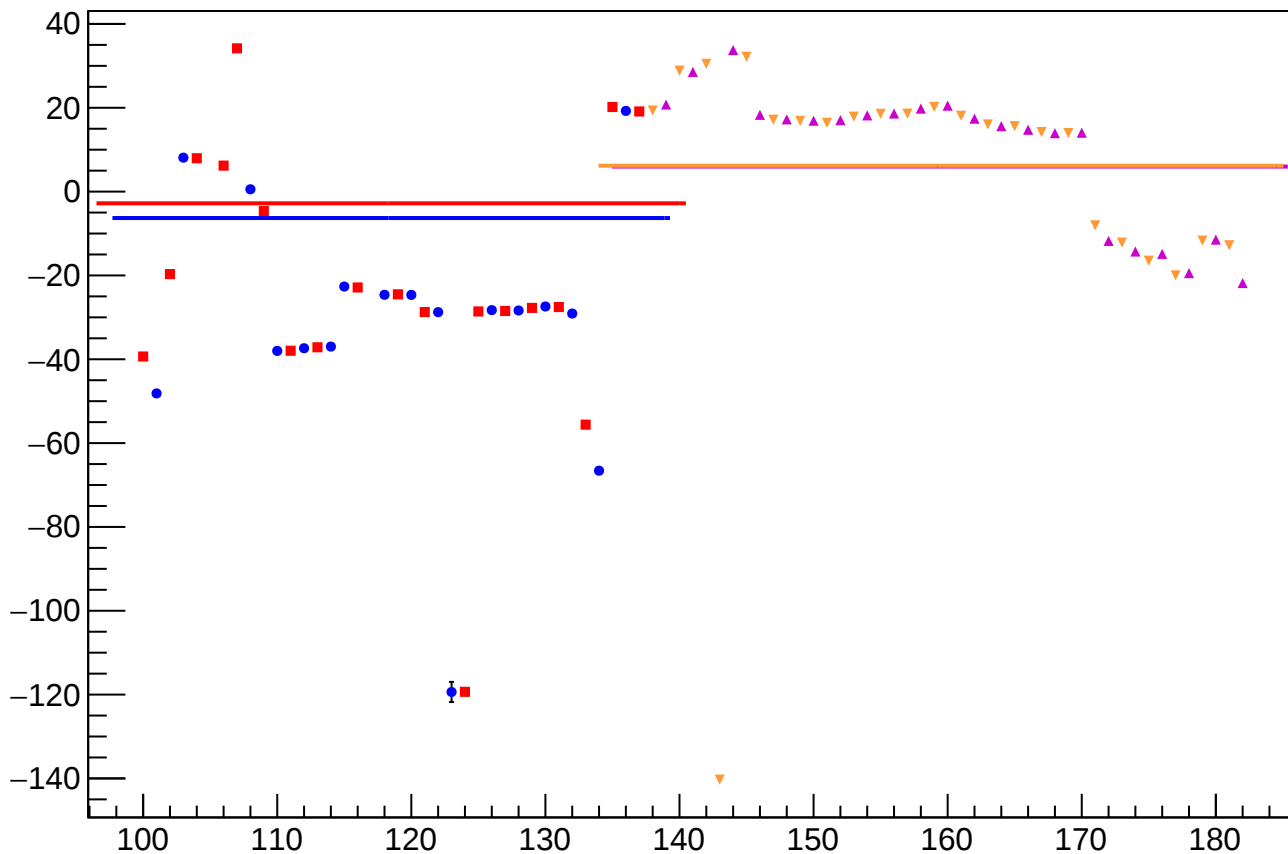
Right: 20.151 $\pm$ 0.627 χ^2 /NDF: 2135.2/35

In: 5.990 $\pm$ 0.339 χ^2 /NDF:3560.2/38

Out: 4.706 $\pm$ 0.340 χ^2 /NDF:3574.5/41

All: 5.350 $\pm$ 0.240 χ^2 /NDF: 7141.9/80

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.304 ± 0.046 χ^2/NDF : 264097.6/16

Left Out: 6.178 ± 0.017 χ^2/NDF : 1144632.5/22

Right Out: -2.793 ± 0.046 χ^2/NDF : 265022.4/18

Left In: 5.976 ± 0.017 χ^2/NDF : 1012527.4/21

Left: 6.075 ± 0.012 χ^2/NDF : 2157231.7/44

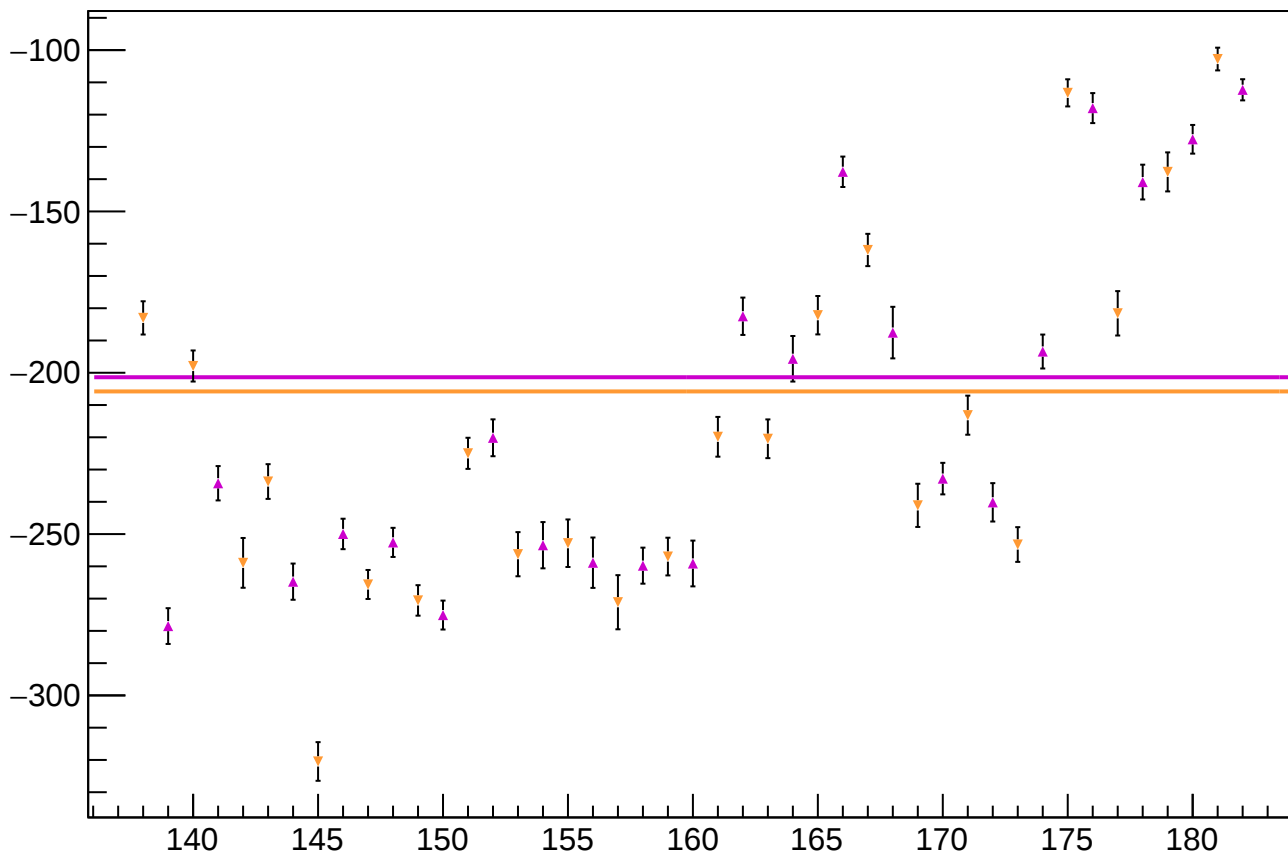
Right: -4.527 ± 0.033 χ^2/NDF : 532023.6/35

In: 4.579 ± 0.016 χ^2/NDF : 1338795.3/38

Out: 5.088 ± 0.016 χ^2/NDF : 1443384.2/41

All: 4.829 ± 0.011 χ^2/NDF : 2782699.0/80

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: -205.785+/-1.138 χ^2/NDF :2764.8/22

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

Left In: -201.387+/-1.116 χ^2/NDF :2901.8/21

Left: -203.543+/-0.797 χ^2/NDF : 5674.2/44

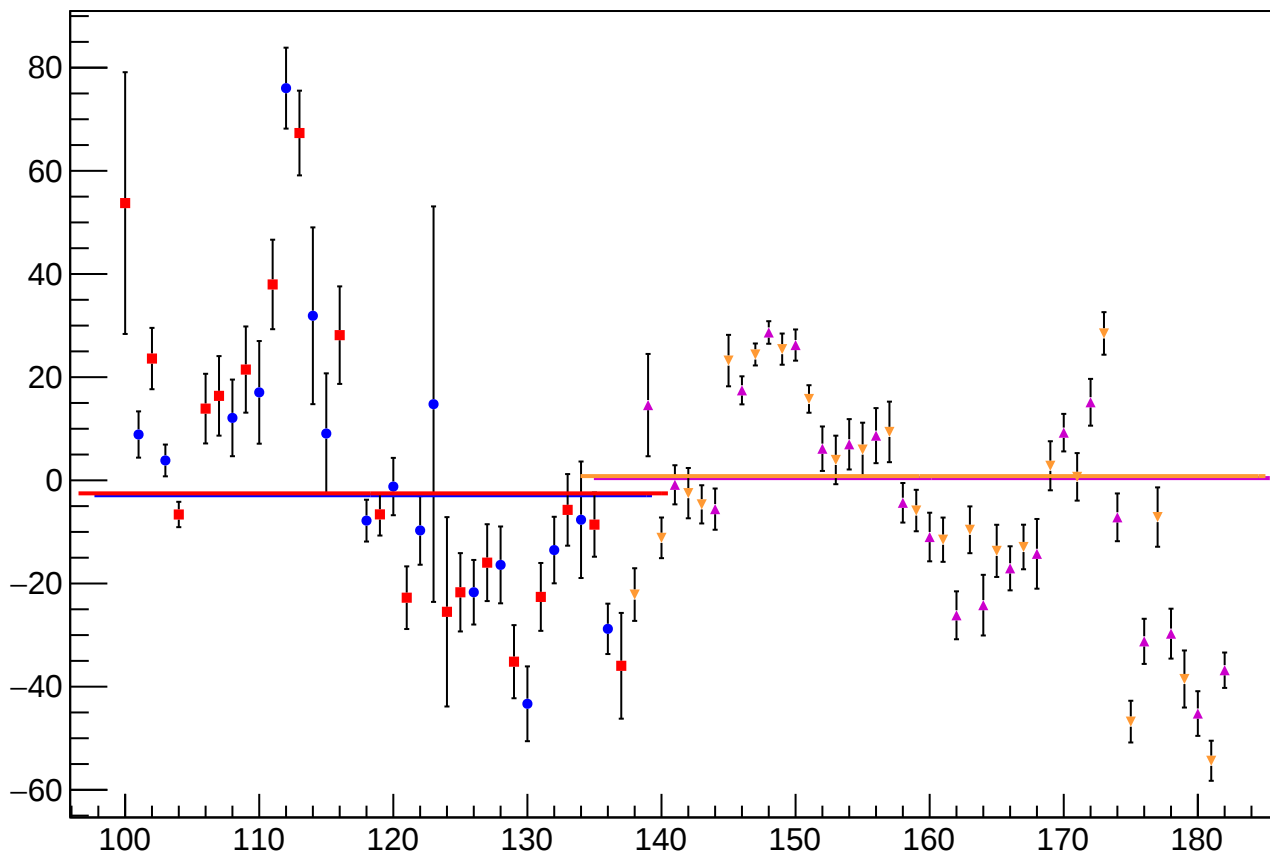
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -201.387+/-1.116 χ^2/NDF :2901.8/21

Out: -205.785+/-1.138 χ^2/NDF :2764.8/22

All: -203.543+/-0.797 χ^2/NDF : 5674.2/44

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.891 ± 1.469 χ^2/NDF : 203.4/16

Left Out: 0.821 ± 0.834 χ^2/NDF : 748.5/22

Right Out: -2.525 ± 1.398 χ^2/NDF : 217.5/18

Left In: 0.432 ± 0.846 χ^2/NDF : 707.6/21

Left: 0.629 ± 0.594 χ^2/NDF : 1456.2/44

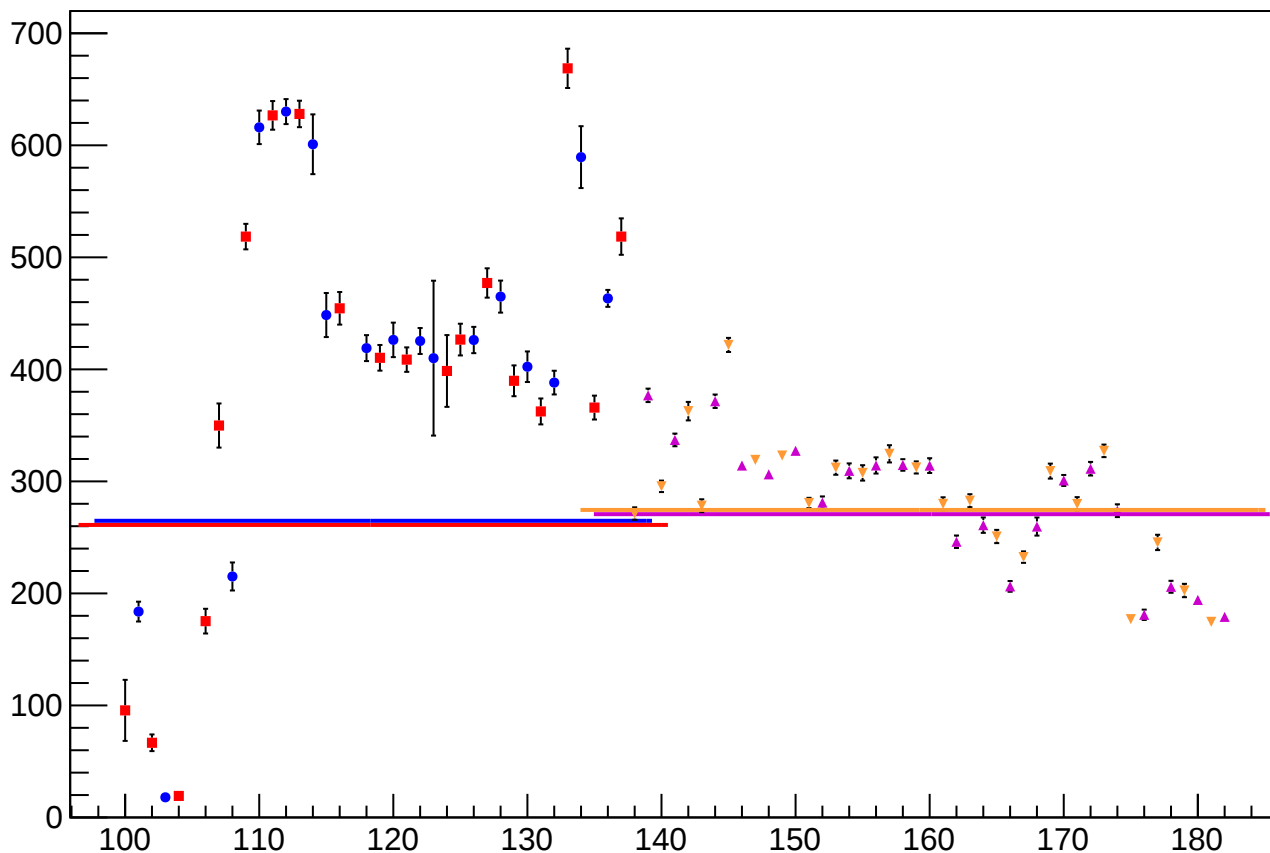
Right: -2.699 ± 1.013 χ^2/NDF : 420.9/35

In: -0.396 ± 0.733 χ^2/NDF : 914.8/38

Out: -0.058 ± 0.716 χ^2/NDF : 970.2/41

All: -0.223 ± 0.512 χ^2/NDF : 1885.2/80

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 264.819+/-2.491 χ^2/NDF : 7613.2/16

Left Out: 274.513+/-1.132 χ^2/NDF : 2715.3/22

Right Out: 261.125+/-2.460 χ^2/NDF : 8195.5/18

Left In: 270.729+/-1.107 χ^2/NDF : 3105.5/21

Left: 272.578+/-0.792 χ^2/NDF : 5826.5/44

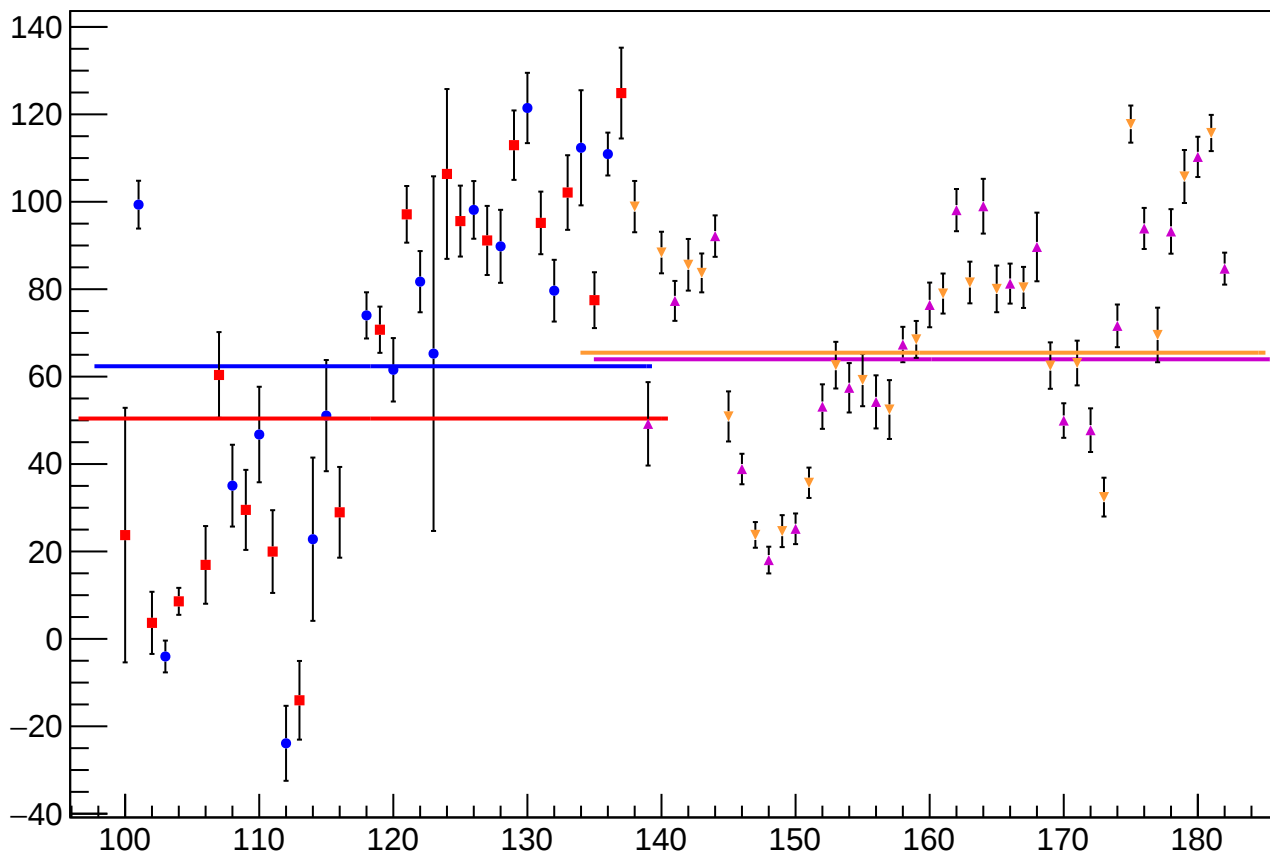
Right: 262.949+/-1.751 χ^2/NDF : 15809.8/35

In: 269.754+/-1.012 χ^2/NDF : 10723.4/38

Out: 272.173+/-1.029 χ^2/NDF : 10935.2/41

All: 270.943+/-0.721 χ^2/NDF : 21661.4/80

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.373 ± 1.697 $\chi^2/\text{NDF}: 720.9/16$

Left Out: 65.474 ± 0.971 $\chi^2/\text{NDF}: 932.8/22$

Right Out: 50.412 ± 1.644 $\chi^2/\text{NDF}: 653.8/18$

Left In: 63.964 ± 0.974 $\chi^2/\text{NDF}: 799.4/21$

Left: 64.721 ± 0.688 $\chi^2/\text{NDF}: 1733.4/44$

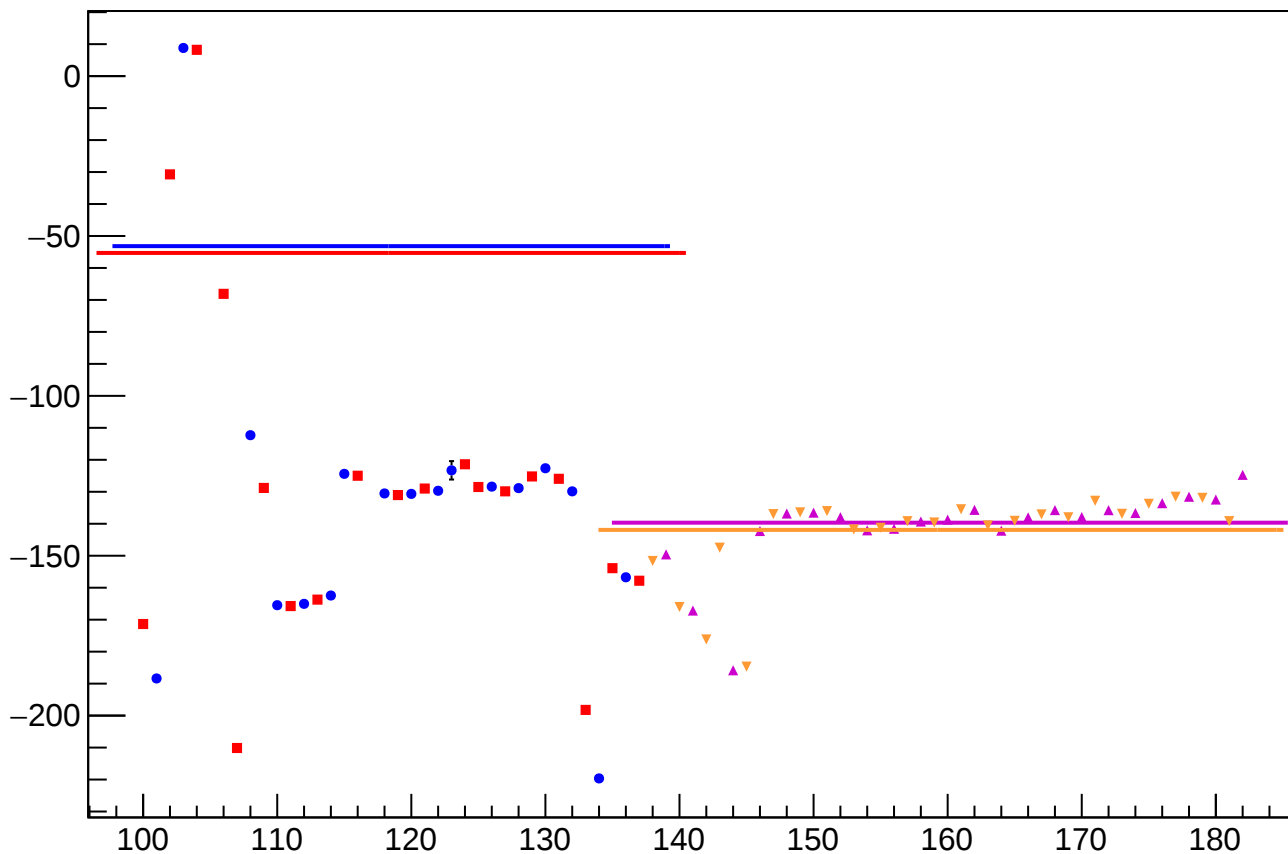
Right: 56.204 ± 1.181 $\chi^2/\text{NDF}: 1400.3/35$

In: 63.569 ± 0.845 $\chi^2/\text{NDF}: 1520.9/38$

Out: 61.579 ± 0.836 $\chi^2/\text{NDF}: 1648.8/41$

All: 62.564 ± 0.594 $\chi^2/\text{NDF}: 3172.6/80$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.177 $\pm$ 0.070 χ^2 /NDF: 1223993.8/16

Left Out: -141.919 $\pm$ 0.047 χ^2 /NDF: 65750.1/22

Right Out: -55.301 $\pm$ 0.072 χ^2 /NDF: 965954.6/18

Left In: -139.665 $\pm$ 0.046 χ^2 /NDF: 60735.9/21

Left: -140.767 $\pm$ 0.033 χ^2 /NDF: 127679.9/44

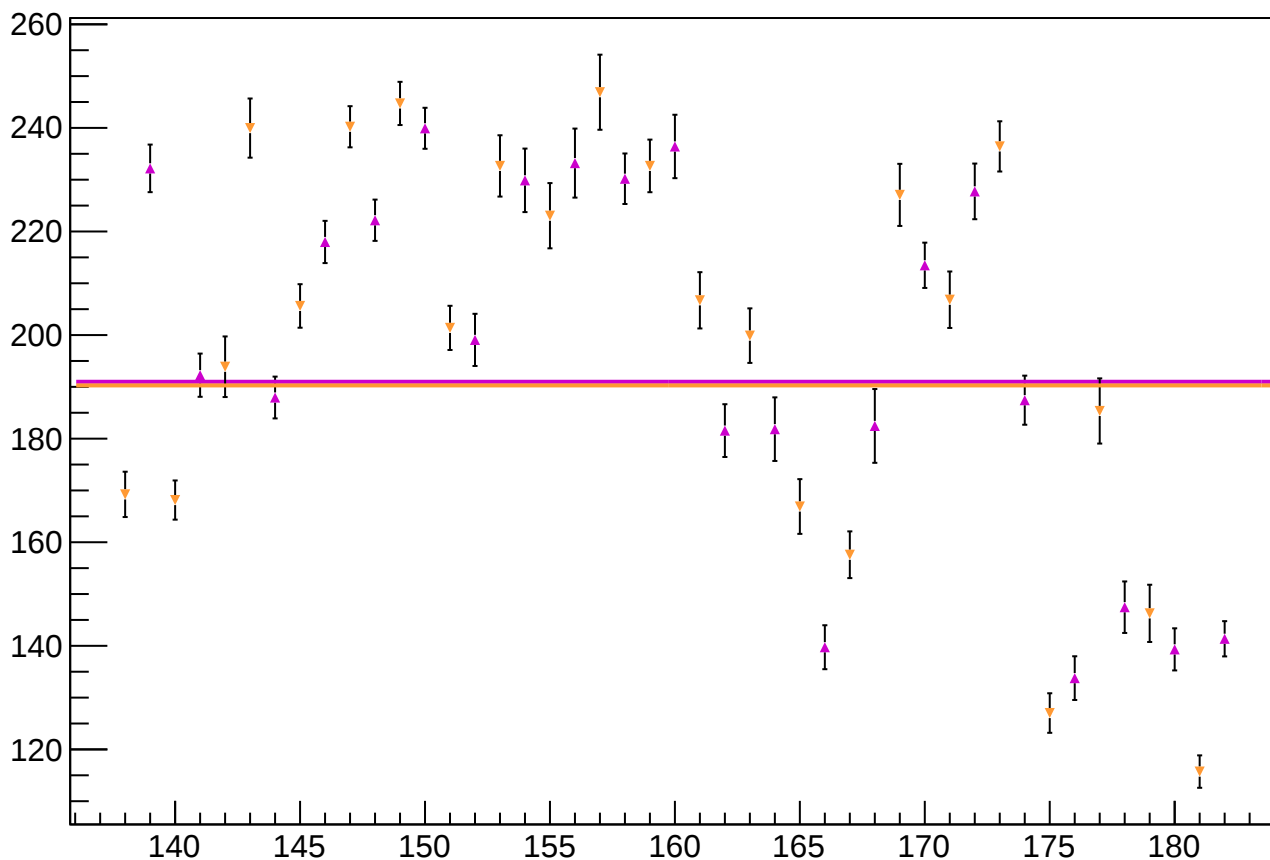
Right: -54.216 $\pm$ 0.050 χ^2 /NDF: 2190393.3/35

In: -114.121 $\pm$ 0.038 χ^2 /NDF: 2346777.7/38

Out: -116.311 $\pm$ 0.039 χ^2 /NDF: 2051562.7/41

All: -115.192 $\pm$ 0.027 χ^2 /NDF: 4399940.4/80

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: 190.276+/-0.993 χ^2/NDF :1818.6/22

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

Left In: 190.986+/-0.987 χ^2/NDF :1403.1/21

Left: 190.633+/-0.700 χ^2/NDF : 3222.0/44

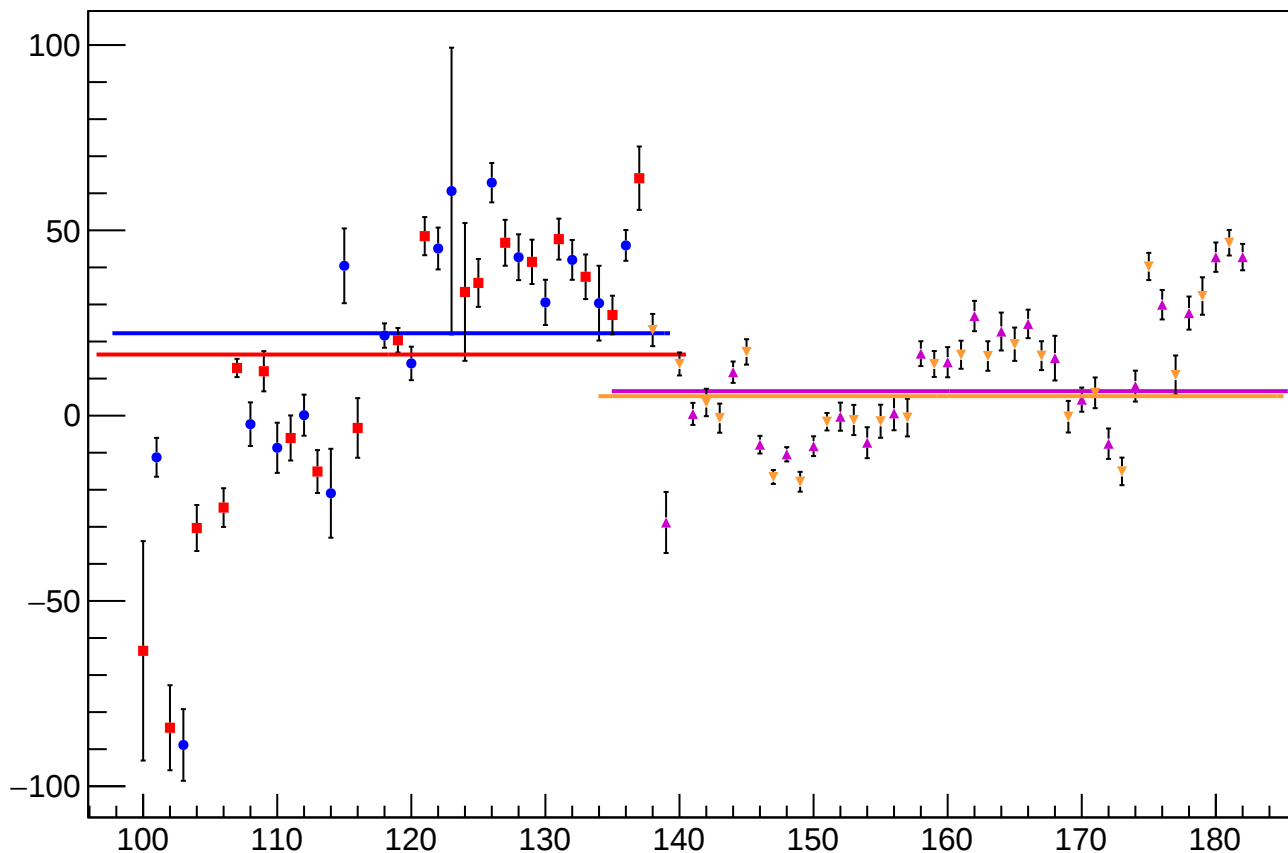
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 190.986+/-0.987 χ^2/NDF :1403.1/21

Out: 190.276+/-0.993 χ^2/NDF :1818.6/22

All: 190.633+/-0.700 χ^2/NDF : 3222.0/44

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.234 $\pm$ 1.398 χ^2 /NDF: 382.0/16

Left Out: 5.248 $\pm$ 0.729 χ^2 /NDF: 598.5/22

Right Out: 16.492 $\pm$ 1.229 χ^2 /NDF: 426.0/18

Left In: 6.612 $\pm$ 0.742 χ^2 /NDF: 515.0/21

Left: 5.919 $\pm$ 0.520 χ^2 /NDF: 1115.2/44

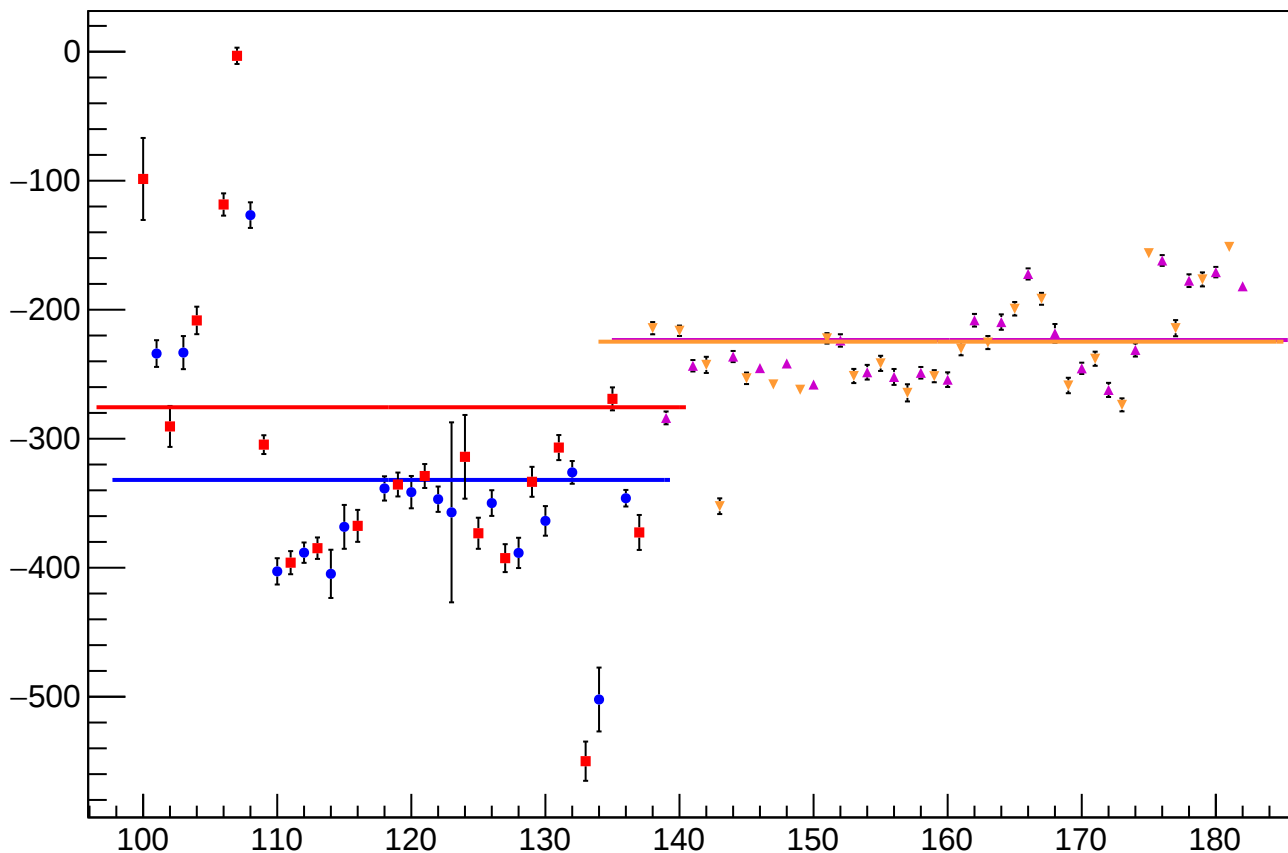
Right: 18.994 $\pm$ 0.923 χ^2 /NDF: 817.5/35

In: 10.043 $\pm$ 0.655 χ^2 /NDF: 994.4/38

Out: 8.177 $\pm$ 0.627 χ^2 /NDF: 1086.5/41

All: 9.069 $\pm$ 0.453 χ^2 /NDF: 2085.1/80

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.943+/-2.586 χ^2/NDF : 785.9/16

Left Out: -224.769+/-0.990 χ^2/NDF :1890.2/22

Right Out: -275.603+/-2.328 χ^2/NDF : 3358.3/18

Left In: -223.489+/-0.980 χ^2/NDF :1266.0/21

Left: -224.123+/-0.697 χ^2/NDF : 3157.0/44

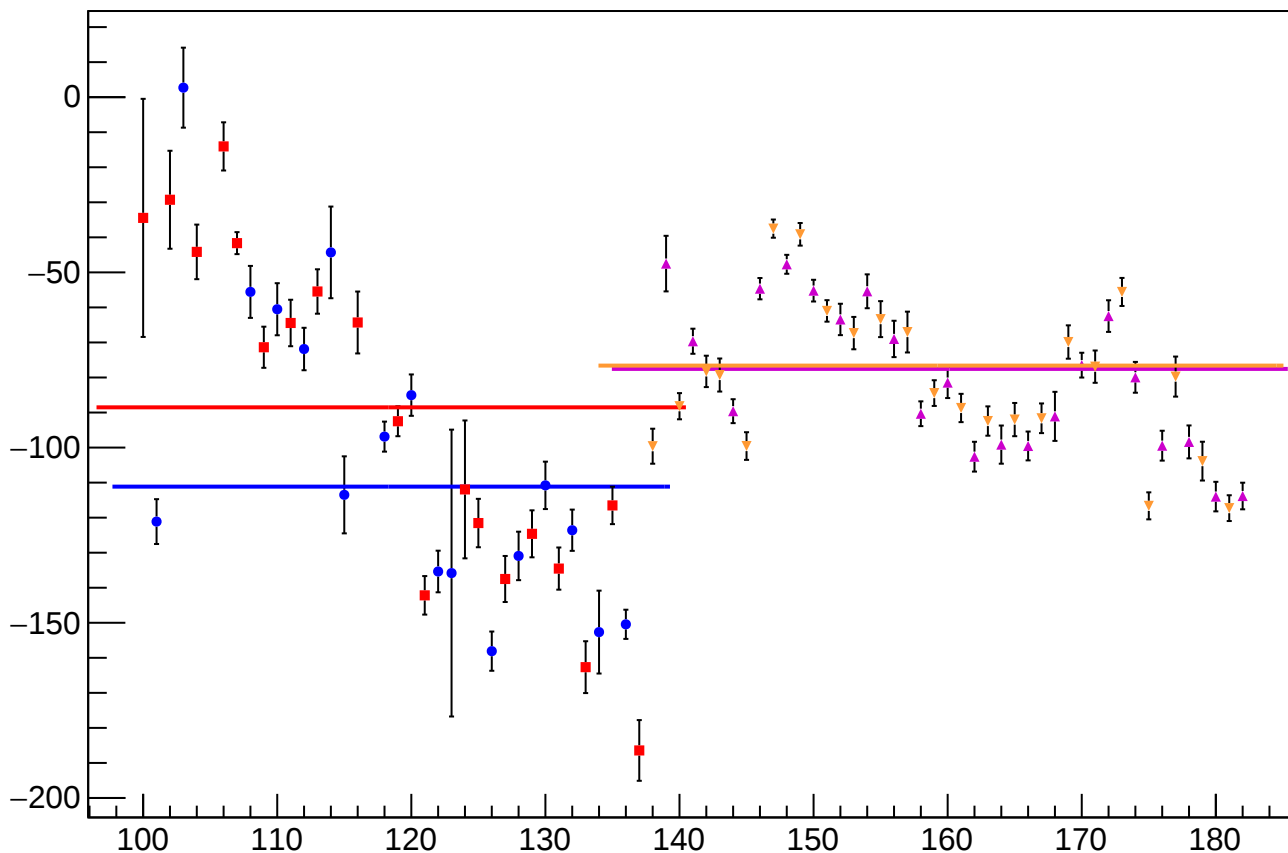
Right: -300.823+/-1.730 χ^2/NDF : 4406.4/35

In: -237.117+/-0.917 χ^2/NDF :3590.1/38

Out: -232.561+/-0.911 χ^2/NDF :5652.3/41

All: -234.826+/-0.646 χ^2/NDF : 9254.8/80

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.144 ± 1.601 χ^2/NDF : 504.6/16

Left Out: -76.606 ± 0.849 χ^2/NDF : 800.8/22

Right Out: -88.517 ± 1.435 χ^2/NDF : 968.7/18

Left In: -77.551 ± 0.856 χ^2/NDF : 616.1/21

Left: -77.075 ± 0.603 χ^2/NDF : 1417.5/44

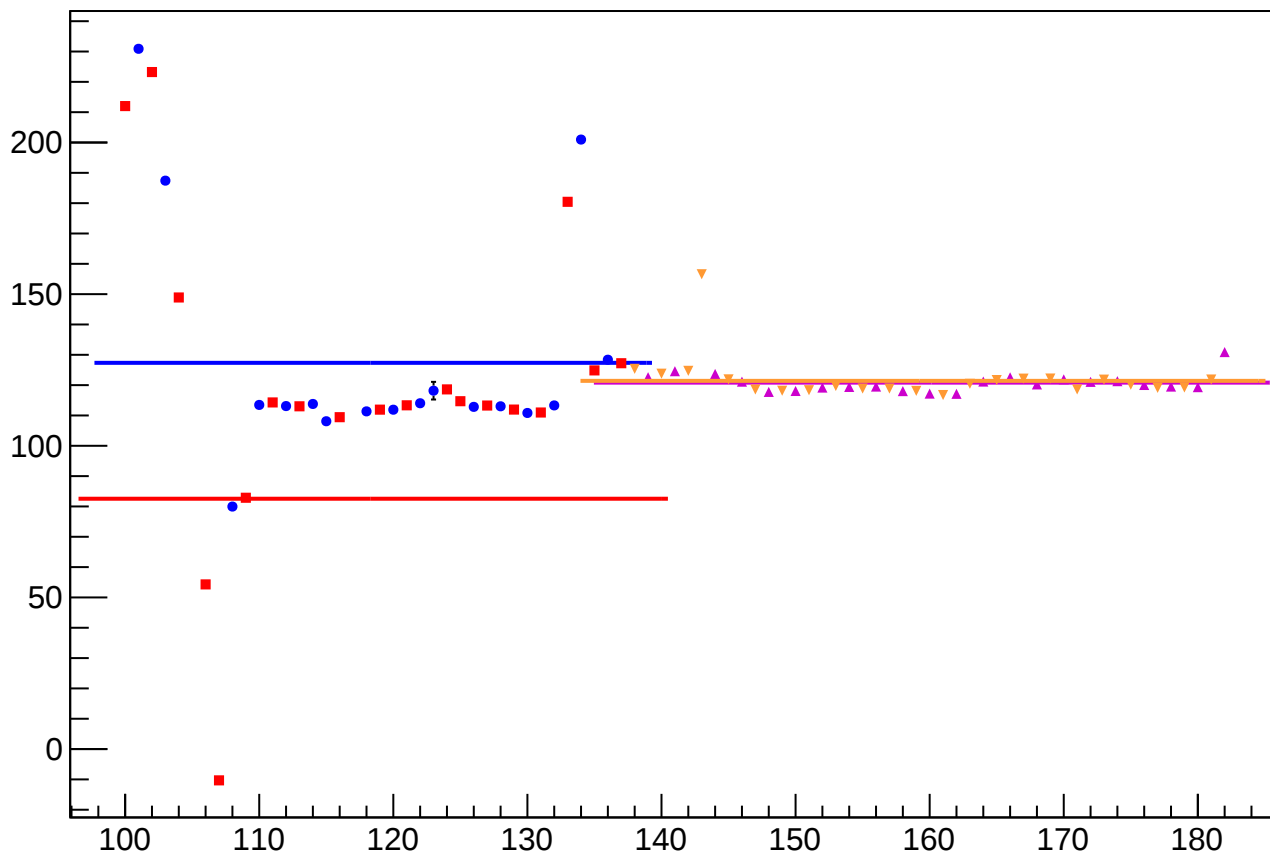
Right: -98.597 ± 1.069 χ^2/NDF : 1584.1/35

In: -85.020 ± 0.755 χ^2/NDF : 1463.1/38

Out: -79.695 ± 0.731 χ^2/NDF : 1820.5/41

All: -82.272 ± 0.525 χ^2/NDF : 3309.3/80

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.355 $\pm$ 0.090 χ^2 /NDF: 187728.6/16

Left Out: 121.412 $\pm$ 0.041 χ^2 /NDF:24170.9/22

Right Out: 82.546 $\pm$ 0.075 χ^2 /NDF: 764737.8/18

Left In: 120.824 $\pm$ 0.040 χ^2 /NDF:6221.4/21

Left: 121.114 $\pm$ 0.029 χ^2 /NDF: 30498.0/44

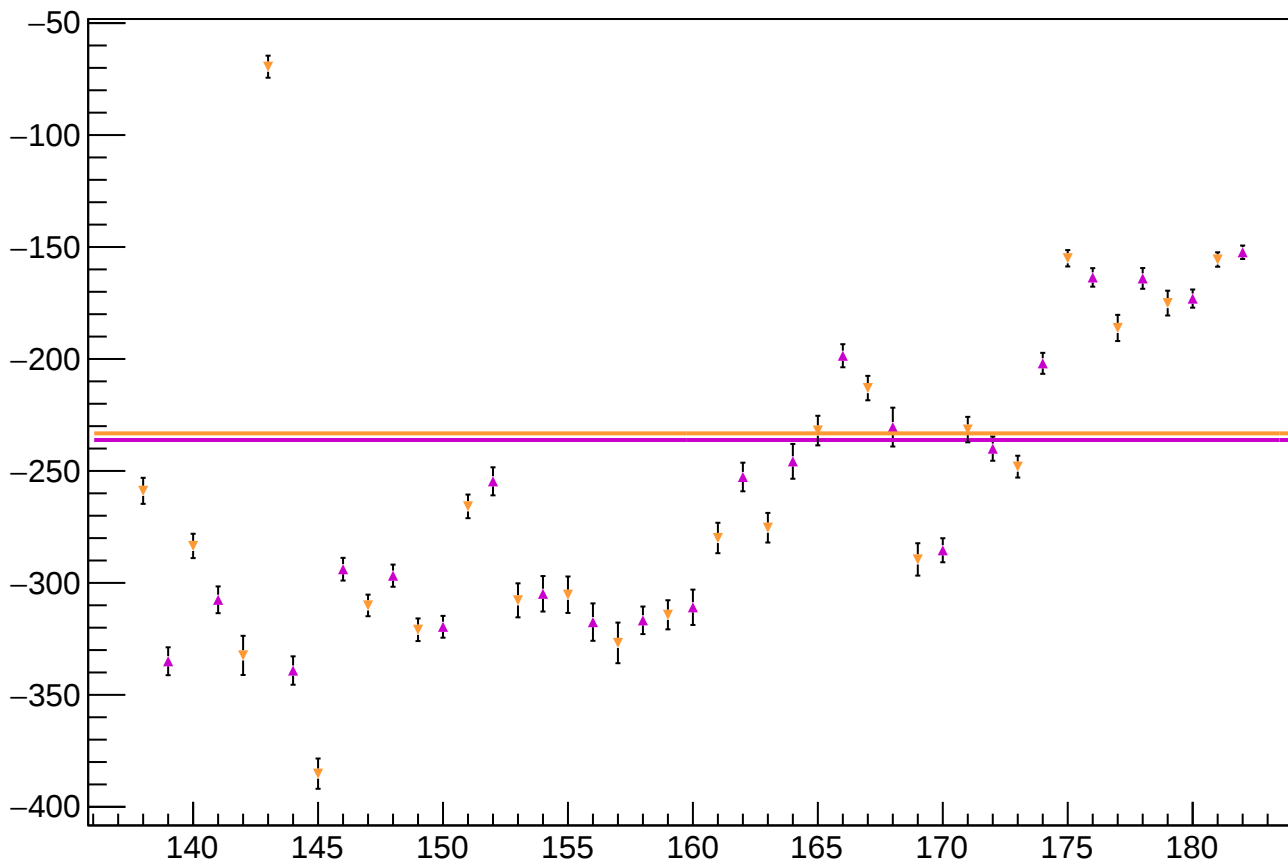
Right: 101.141 $\pm$ 0.058 χ^2 /NDF: 1098909.8/35

In: 121.916 $\pm$ 0.037 χ^2 /NDF:198378.6/38

Out: 112.645 $\pm$ 0.036 χ^2 /NDF:994515.1/41

All: 117.179 $\pm$ 0.026 χ^2 /NDF: 1225645.1/80

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: -233.223 ± 1.153 χ^2/NDF : 4259.7/22

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

Left In: -236.183 ± 1.131 χ^2/NDF : 3441.8/21

Left: -234.732 ± 0.807 χ^2/NDF : 7704.8/44

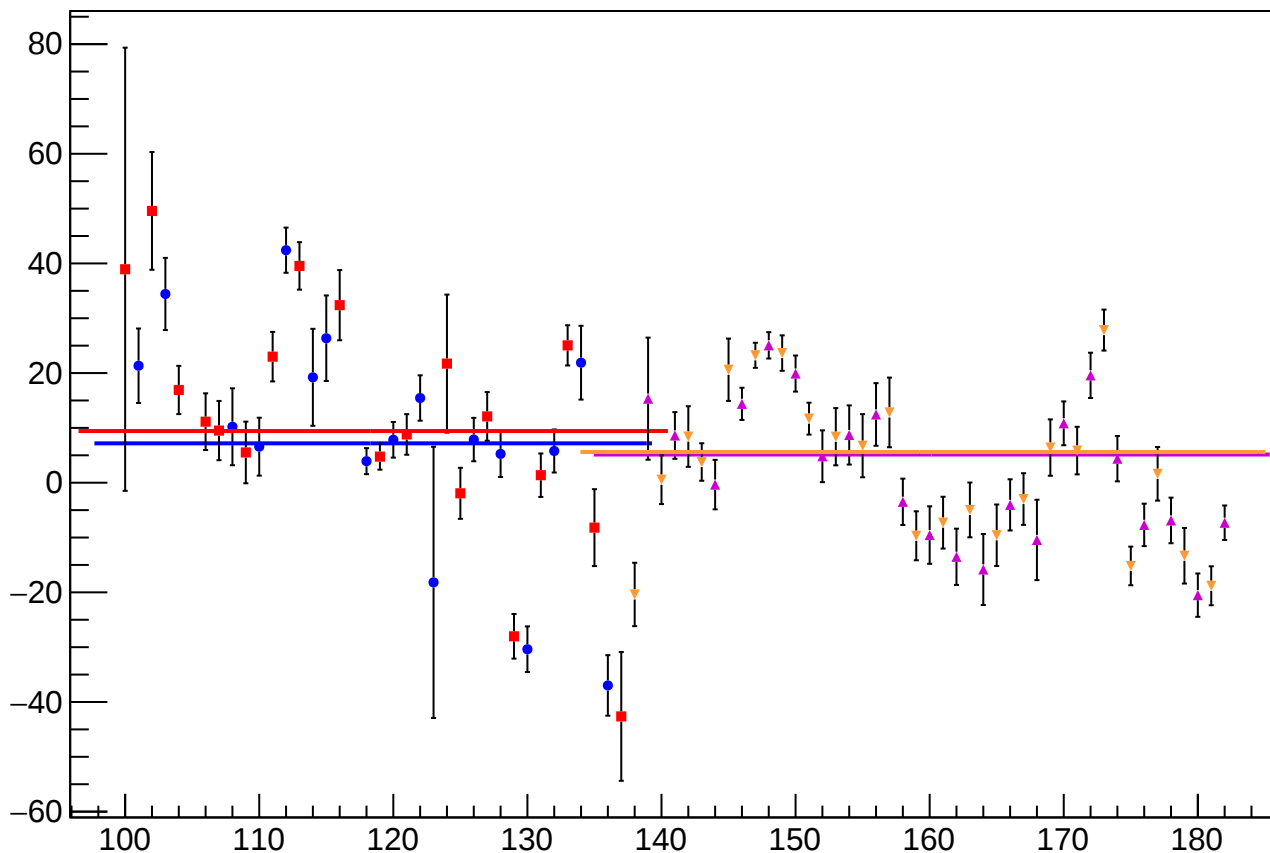
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -236.183 ± 1.131 χ^2/NDF : 3441.8/21

Out: -233.223 ± 1.153 χ^2/NDF : 4259.7/22

All: -234.732 ± 0.807 χ^2/NDF : 7704.8/44

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.181 ± 1.105 $\chi^2/\text{NDF}: 260.1/16$

Left Out: 5.602 ± 0.863 $\chi^2/\text{NDF}: 292.0/22$

Right Out: 9.427 ± 1.073 $\chi^2/\text{NDF}: 232.3/18$

Left In: 5.141 ± 0.880 $\chi^2/\text{NDF}: 239.5/21$

Left: 5.376 ± 0.616 $\chi^2/\text{NDF}: 531.7/44$

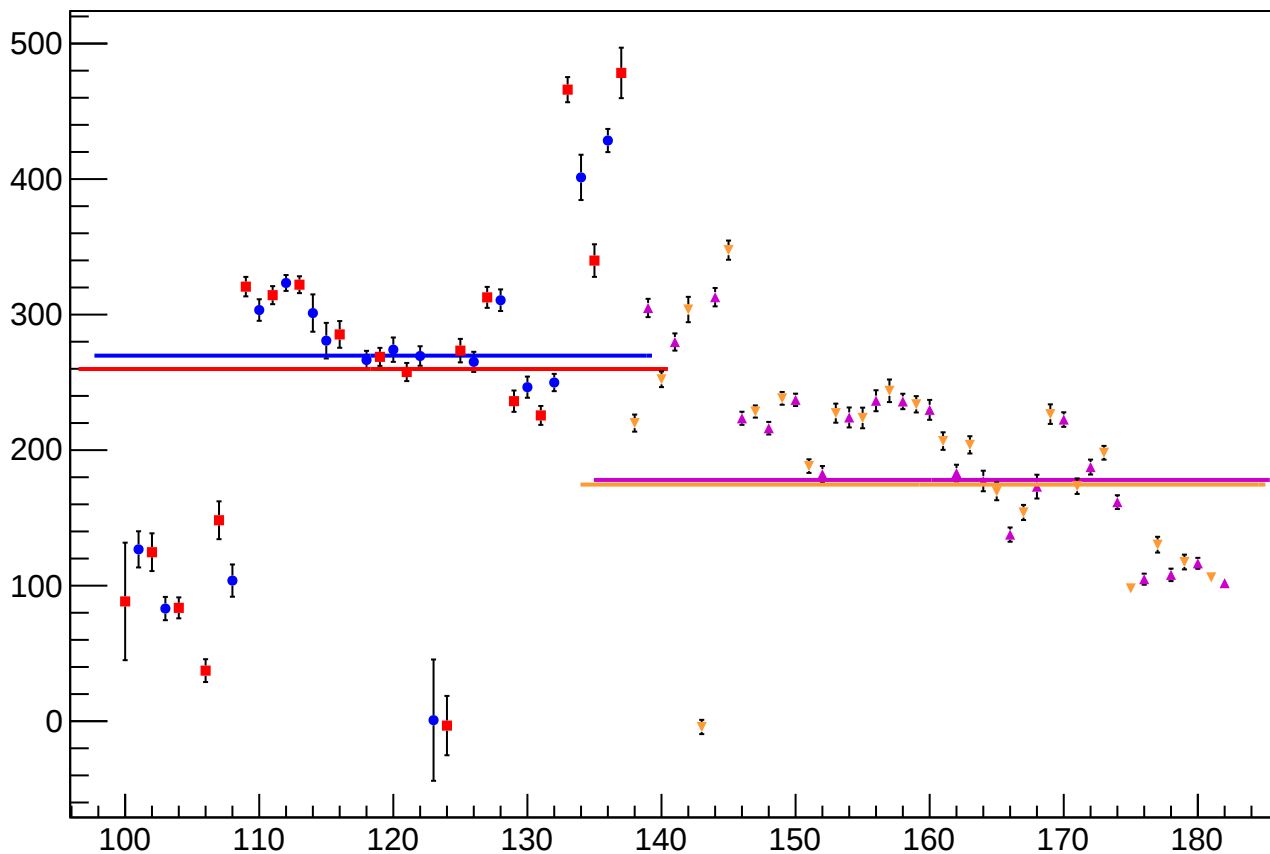
Right: 8.337 ± 0.770 $\chi^2/\text{NDF}: 494.5/35$

In: 5.932 ± 0.688 $\chi^2/\text{NDF}: 501.7/38$

Out: 7.106 ± 0.673 $\chi^2/\text{NDF}: 532.0/41$

All: 6.532 ± 0.481 $\chi^2/\text{NDF}: 1035.2/80$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.720 $\pm$ 2.094 χ^2 /NDF: 1375.9/16

Left Out: 174.588 $\pm$ 1.151 χ^2 /NDF:3931.4/22

Right Out: 259.848 $\pm$ 1.981 χ^2 /NDF: 2540.4/18

Left In: 178.008 $\pm$ 1.126 χ^2 /NDF:3102.8/21

Left: 176.335 $\pm$ 0.805 χ^2 /NDF: 7038.7/44

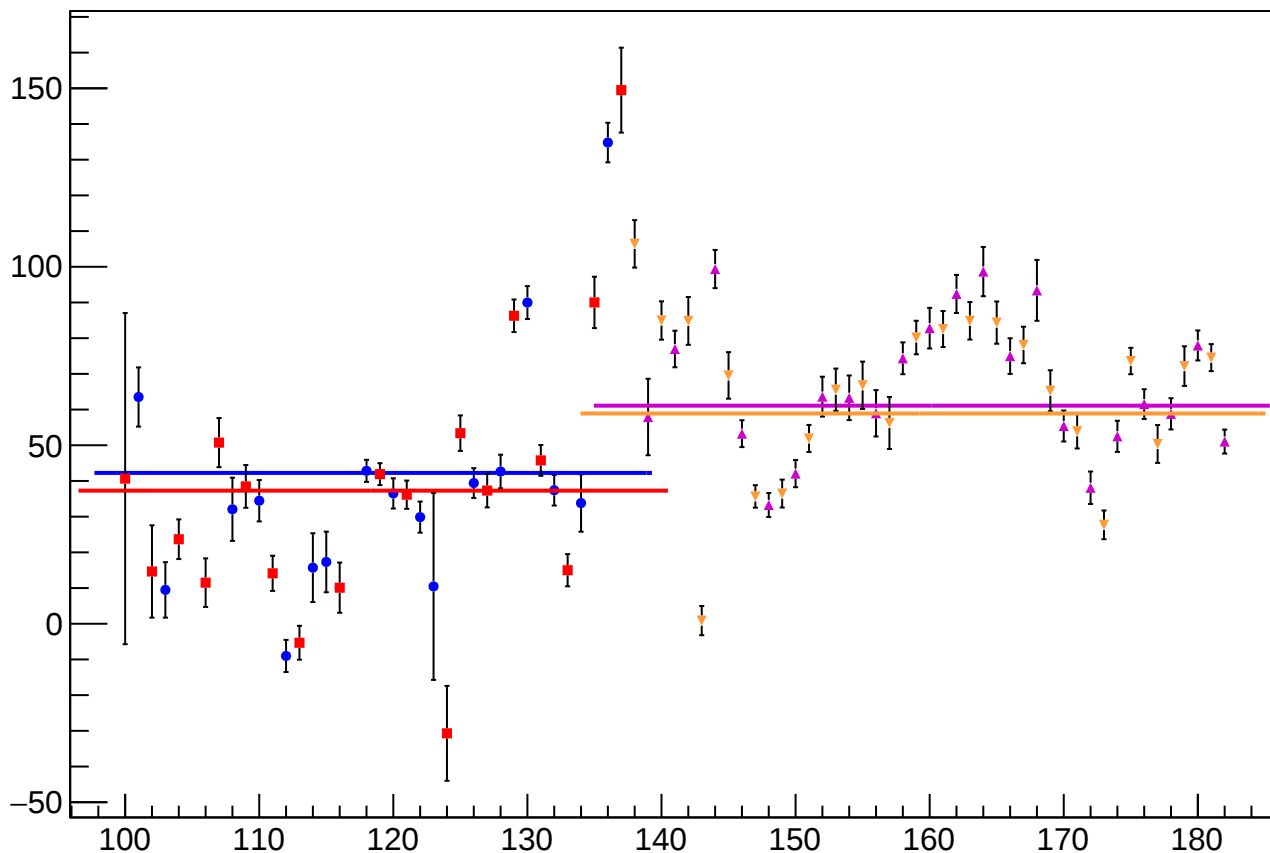
Right: 264.510 $\pm$ 1.439 χ^2 /NDF: 3928.0/35

In: 198.577 $\pm$ 0.992 χ^2 /NDF:5966.7/38

Out: 196.102 $\pm$ 0.995 χ^2 /NDF:7857.2/41

All: 197.343 $\pm$ 0.702 χ^2 /NDF: 13827.0/80

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.255 $\pm$ 1.277 χ^2 /NDF: 573.1/16

Left Out: 58.905 $\pm$ 0.999 χ^2 /NDF: 590.3/22

Right Out: 37.288 $\pm$ 1.237 χ^2 /NDF: 470.5/18

Left In: 61.092 $\pm$ 1.004 χ^2 /NDF: 325.3/21

Left: 59.992 $\pm$ 0.708 χ^2 /NDF: 918.0/44

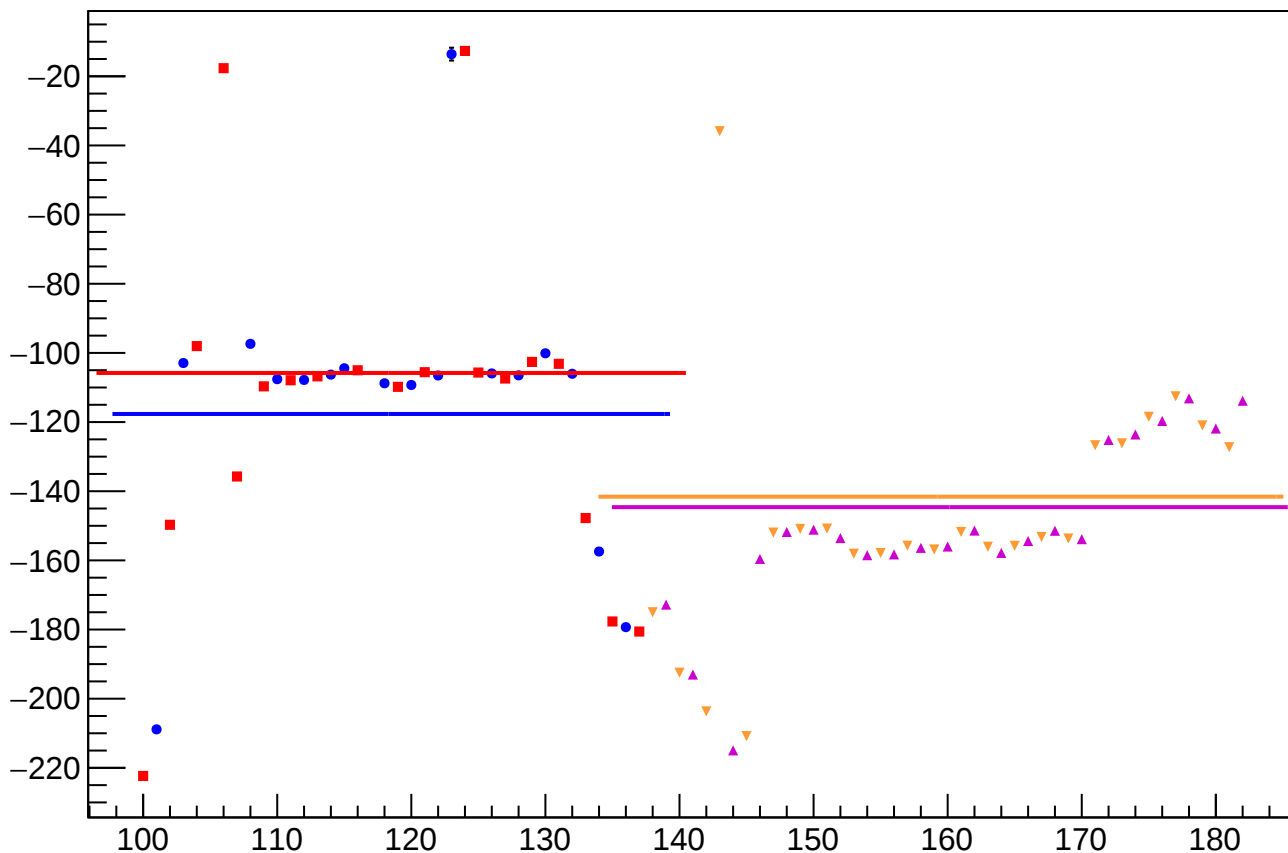
Right: 39.693 $\pm$ 0.888 χ^2 /NDF: 1051.4/35

In: 53.892 $\pm$ 0.789 χ^2 /NDF: 1032.9/38

Out: 50.375 $\pm$ 0.777 χ^2 /NDF: 1245.8/41

All: 52.106 $\pm$ 0.554 χ^2 /NDF: 2288.8/80

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.654 ± 0.079 χ^2/NDF : 141832.7/16

Left Out: -141.575 ± 0.048 χ^2/NDF : 492345.7/22

Right Out: -105.797 ± 0.073 χ^2/NDF : 323120.4/18

Left In: -144.606 ± 0.047 χ^2/NDF : 247544.7/21

Left: -143.121 ± 0.033 χ^2/NDF : 741940.5/44

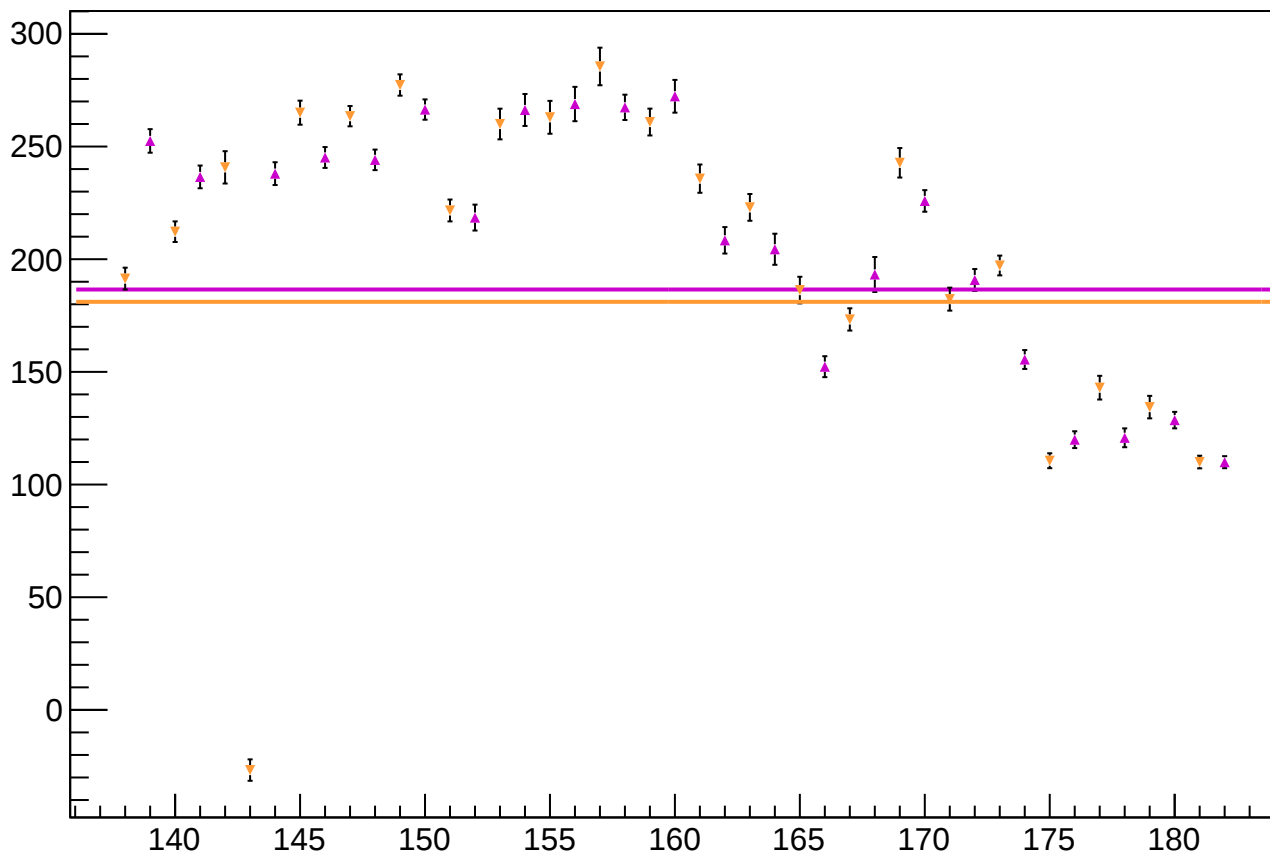
Right: -111.277 ± 0.053 χ^2/NDF : 477176.1/35

In: -137.548 ± 0.040 χ^2/NDF : 476037.5/38

Out: -130.823 ± 0.040 χ^2/NDF : 983907.4/41

All: -134.162 ± 0.028 χ^2/NDF : 1474000.5/80

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: 181.092+/-1.032 χ^2/NDF :5155.6/22

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

Left In: 186.553+/-1.012 χ^2/NDF :3454.8/21

Left: 183.876+/-0.722 χ^2/NDF : 8624.8/44

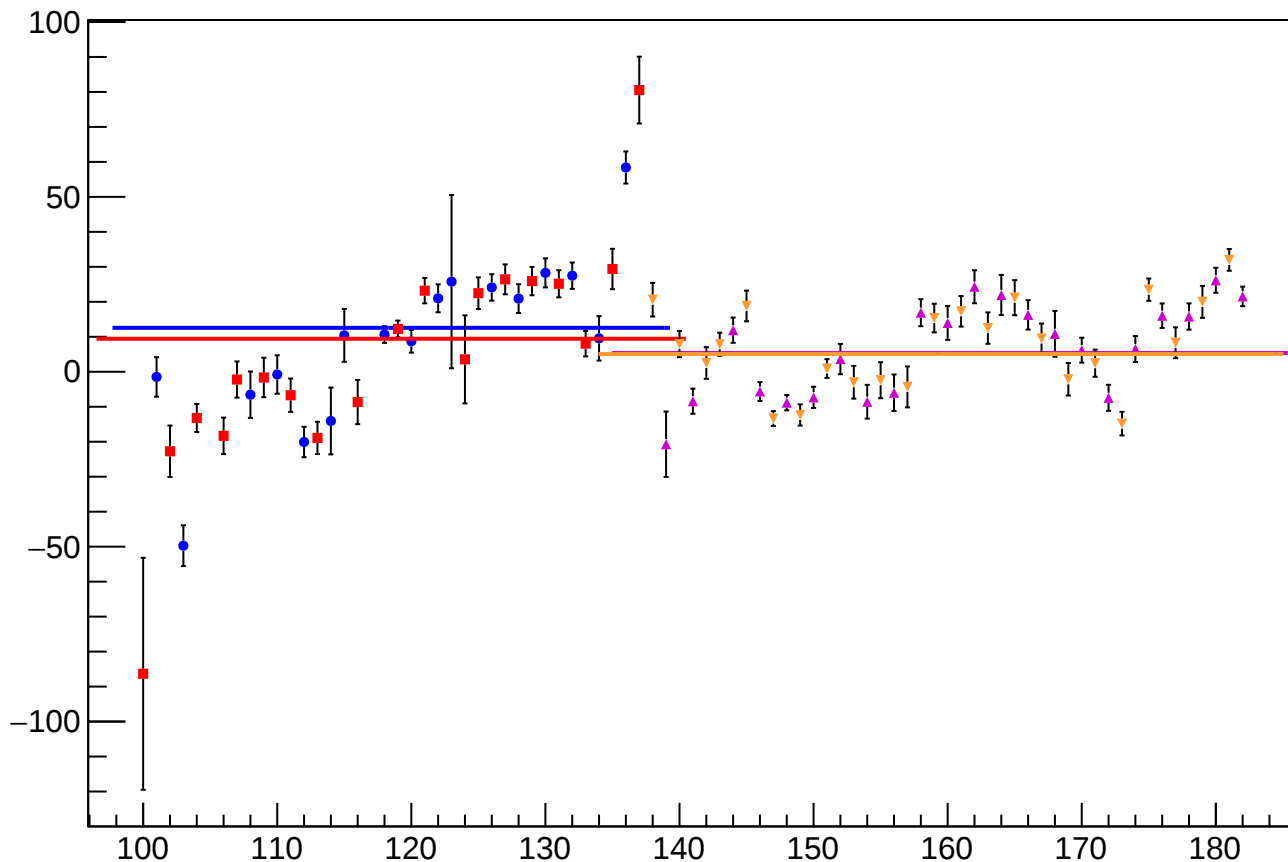
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 186.553+/-1.012 χ^2/NDF :3454.8/21

Out: 181.092+/-1.032 χ^2/NDF :5155.6/22

All: 183.876+/-0.722 χ^2/NDF : 8624.8/44

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.569+/-1.076 χ^2/NDF : 348.8/16

Left Out: 5.061+/-0.779 χ^2/NDF : 325.4/22

Right Out: 9.442+/-1.049 χ^2/NDF : 294.8/18

Left In: 5.375+/-0.791 χ^2/NDF : 254.9/21

Left: 5.216+/-0.555 χ^2/NDF : 580.3/44

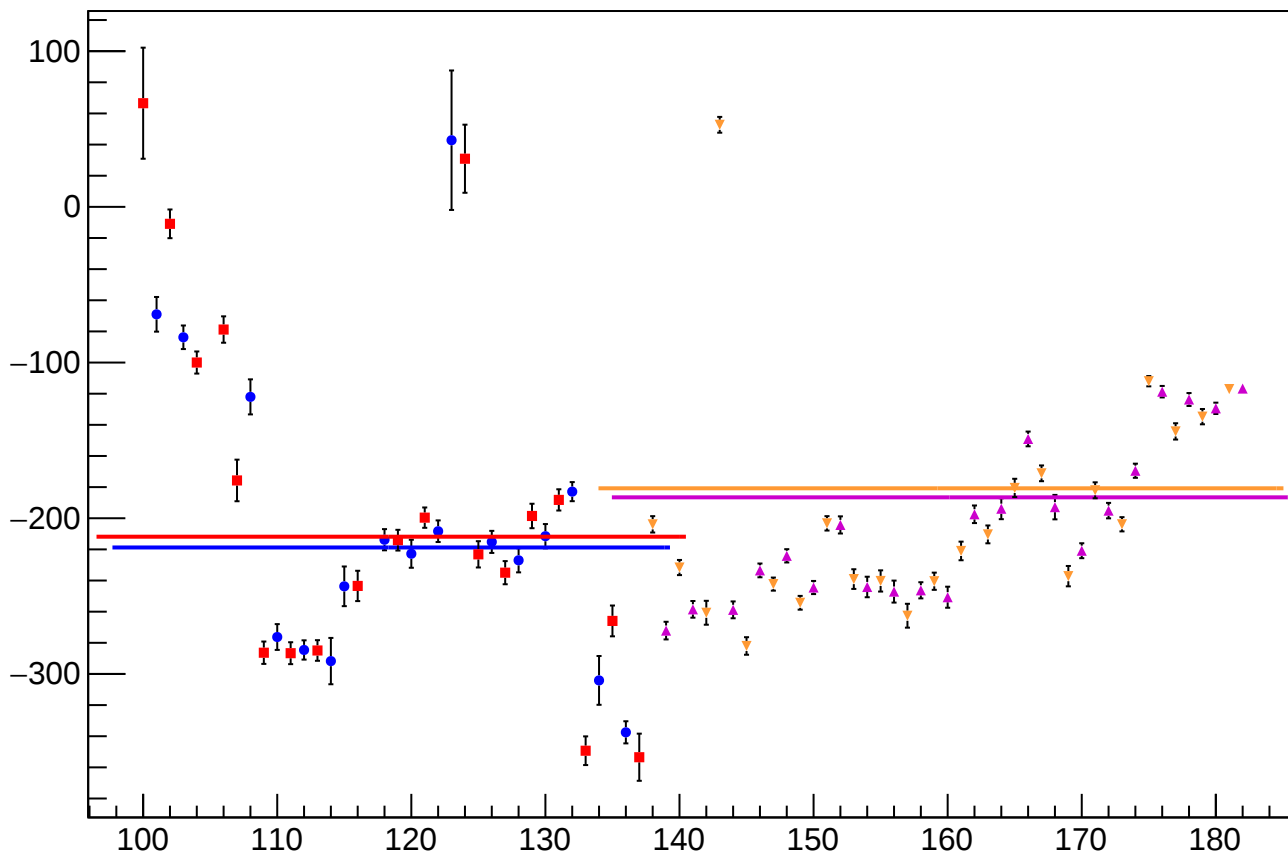
Right: 10.966+/-0.751 χ^2/NDF : 648.0/35

In: 7.900+/-0.637 χ^2/NDF : 632.8/38

Out: 6.619+/-0.626 χ^2/NDF : 631.4/41

All: 7.248+/-0.447 χ^2/NDF : 1266.2/80

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.764 ± 2.027 $\chi^2/\text{NDF}: 1144.2/16$

Left Out: -180.763 ± 1.032 $\chi^2/\text{NDF}: 4802.1/22$

Right Out: -211.849 ± 1.927 $\chi^2/\text{NDF}: 1884.6/18$

Left In: -186.567 ± 1.010 $\chi^2/\text{NDF}: 2934.1/21$

Left: -183.730 ± 0.722 $\chi^2/\text{NDF}: 7752.4/44$

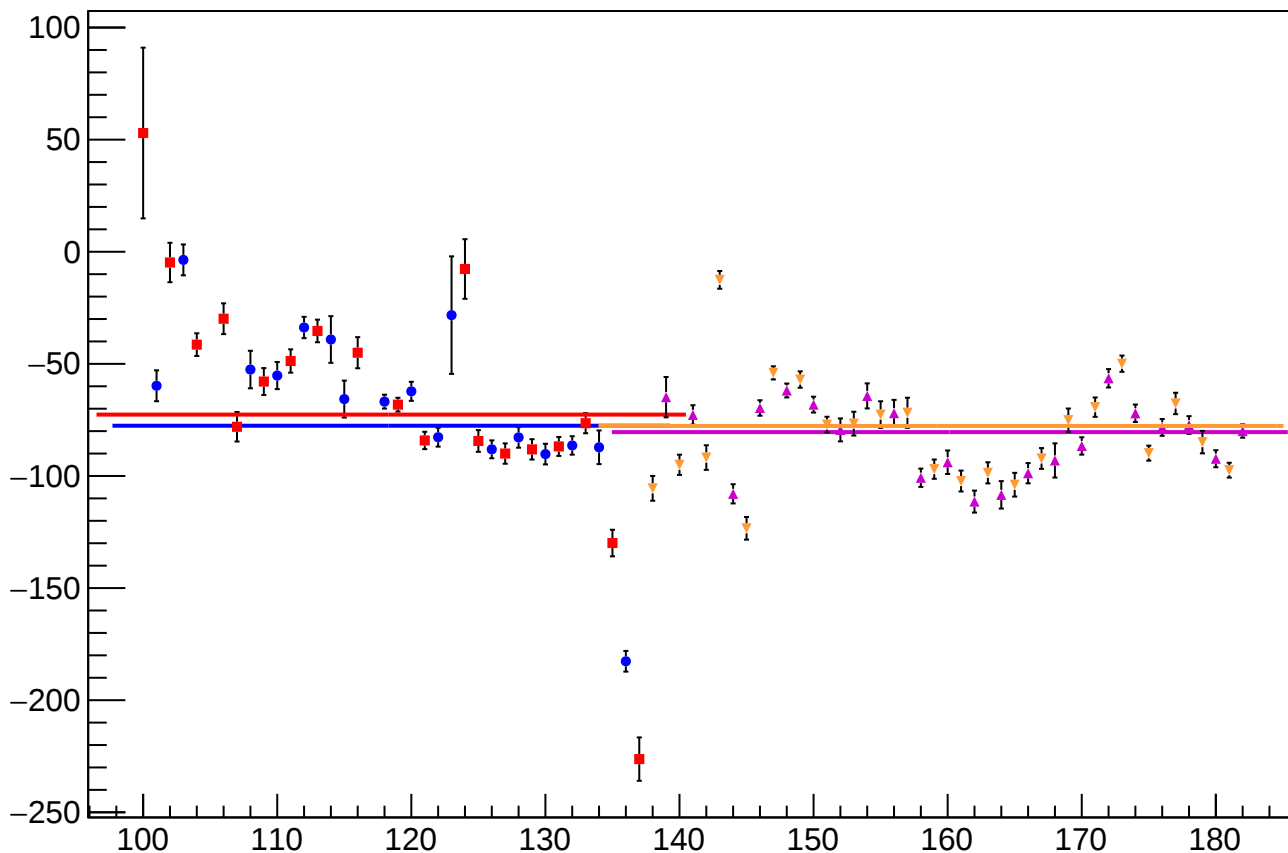
Right: -215.133 ± 1.397 $\chi^2/\text{NDF}: 3035.0/35$

In: -192.967 ± 0.904 $\chi^2/\text{NDF}: 4280.5/38$

Out: -187.692 ± 0.910 $\chi^2/\text{NDF}: 6888.9/41$

All: -190.348 ± 0.641 $\chi^2/\text{NDF}: 11186.3/80$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.591 ± 1.239 χ^2/NDF : 816.4/16

Left Out: -77.689 ± 0.900 χ^2/NDF : 718.2/22

Right Out: -72.629 ± 1.209 χ^2/NDF : 670.2/18

Left In: -80.436 ± 0.902 χ^2/NDF : 279.8/21

Left: -79.058 ± 0.637 χ^2/NDF : 1002.6/44

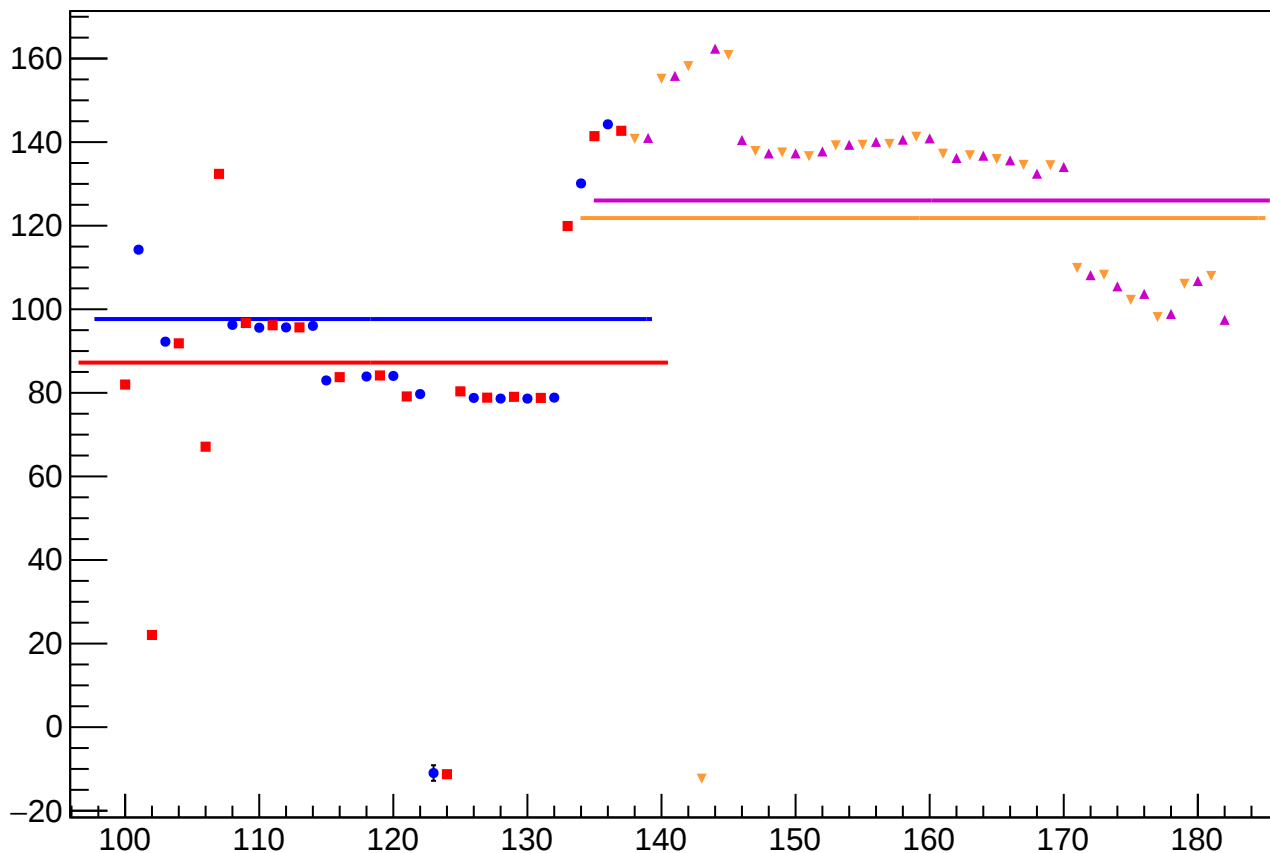
Right: -75.048 ± 0.865 χ^2/NDF : 1494.9/35

In: -79.450 ± 0.729 χ^2/NDF : 1099.7/38

Out: -75.884 ± 0.722 χ^2/NDF : 1399.6/41

All: -77.648 ± 0.513 χ^2/NDF : 2511.4/80

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.659 $\pm$ 0.074 χ^2/NDF : 93912.8/16

Left Out: 121.825 $\pm$ 0.043 χ^2/NDF : 629759.1/22

Right Out: 87.239 $\pm$ 0.068 χ^2/NDF : 220840.5/18

Left In: 126.027 $\pm$ 0.042 χ^2/NDF : 207460.5/21

Left: 123.971 $\pm$ 0.030 χ^2/NDF : 842121.0/44

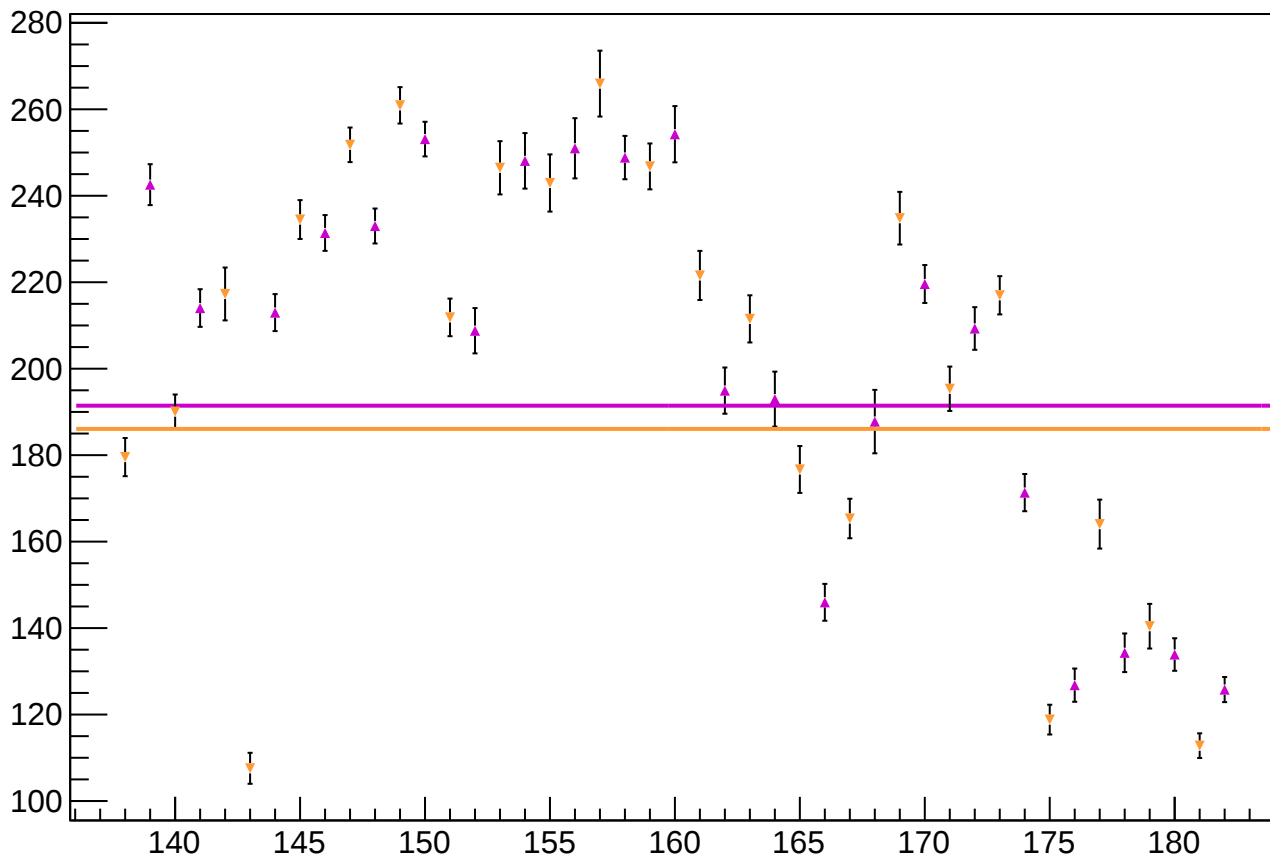
Right: 92.049 $\pm$ 0.050 χ^2/NDF : 325482.8/35

In: 119.093 $\pm$ 0.036 χ^2/NDF : 412957.6/38

Out: 112.054 $\pm$ 0.036 χ^2/NDF : 1034304.0/41

All: 115.557 $\pm$ 0.026 χ^2/NDF : 1465945.2/80

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: 186.072+/-0.962 χ^2/NDF :2991.0/22

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

Left In: 191.444+/-0.969 χ^2/NDF :2373.6/21

Left: 188.739+/-0.682 χ^2/NDF : 5380.1/44

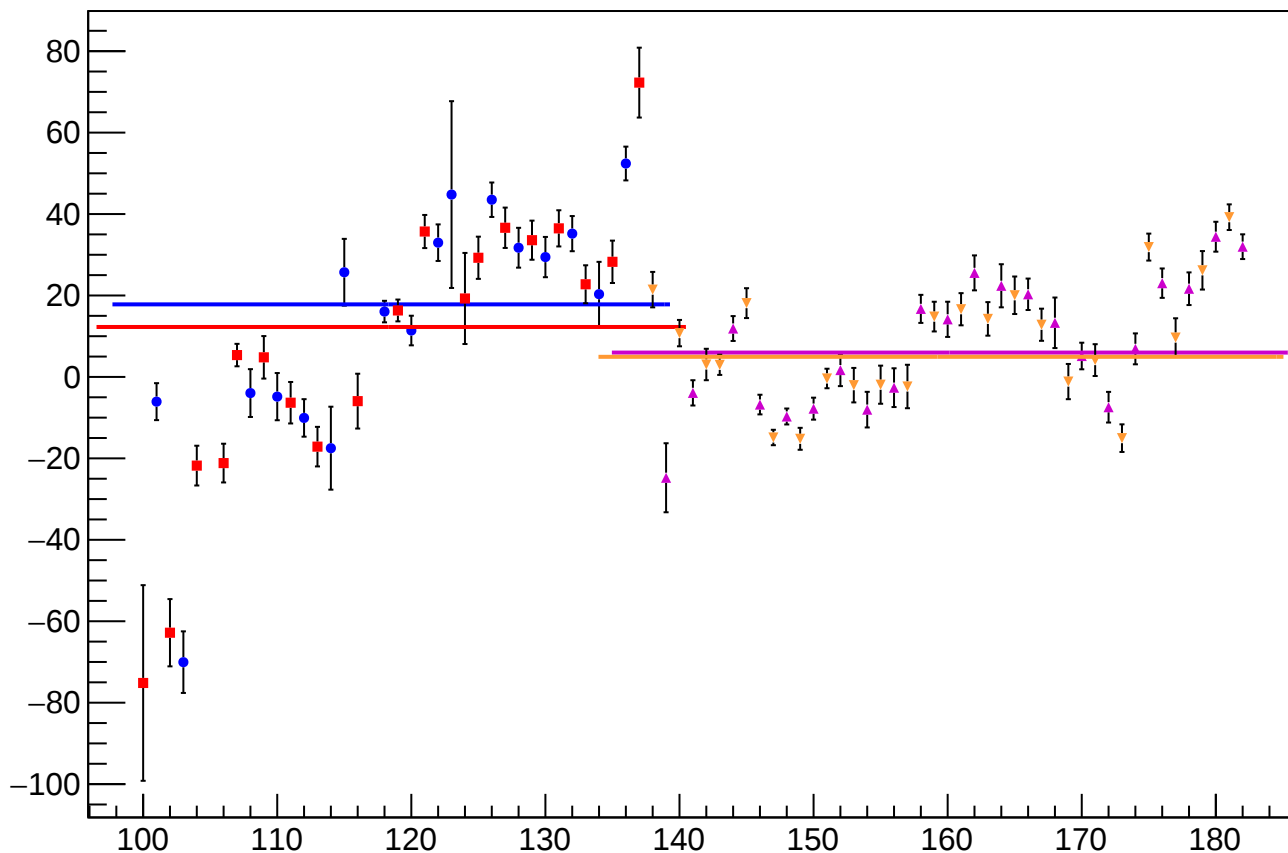
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 191.444+/-0.969 χ^2/NDF :2373.6/21

Out: 186.072+/-0.962 χ^2/NDF :2991.0/22

All: 188.739+/-0.682 χ^2/NDF : 5380.1/44

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.818 ± 1.168 χ^2/NDF : 394.0/16

Left Out: 4.938 ± 0.711 χ^2/NDF : 487.0/22

Right Out: 12.267 ± 1.085 χ^2/NDF : 443.0/18

Left In: 5.981 ± 0.739 χ^2/NDF : 402.7/21

Left: 5.440 ± 0.512 χ^2/NDF : 890.7/44

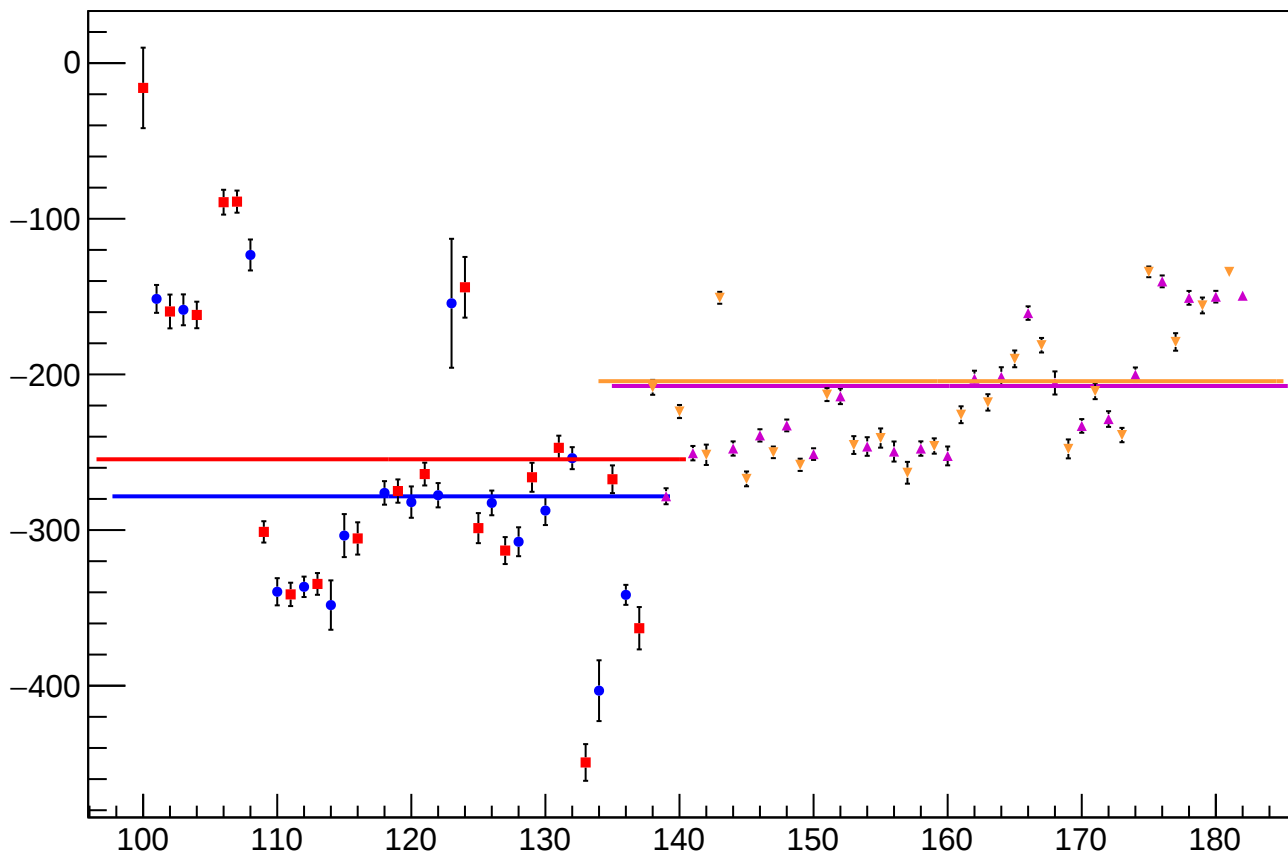
Right: 14.837 ± 0.795 χ^2/NDF : 849.2/35

In: 9.363 ± 0.624 χ^2/NDF : 870.1/38

Out: 7.142 ± 0.595 χ^2/NDF : 961.9/41

All: 8.199 ± 0.431 χ^2/NDF : 1838.7/80

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.336 ± 2.190 χ^2/NDF : 910.1/16

Left Out: -204.346 ± 0.963 χ^2/NDF : 2266.2/22

Right Out: -254.529 ± 2.023 χ^2/NDF : 2036.7/18

Left In: -207.437 ± 0.964 χ^2/NDF : 2070.4/21

Left: -205.890 ± 0.681 χ^2/NDF : 4341.8/44

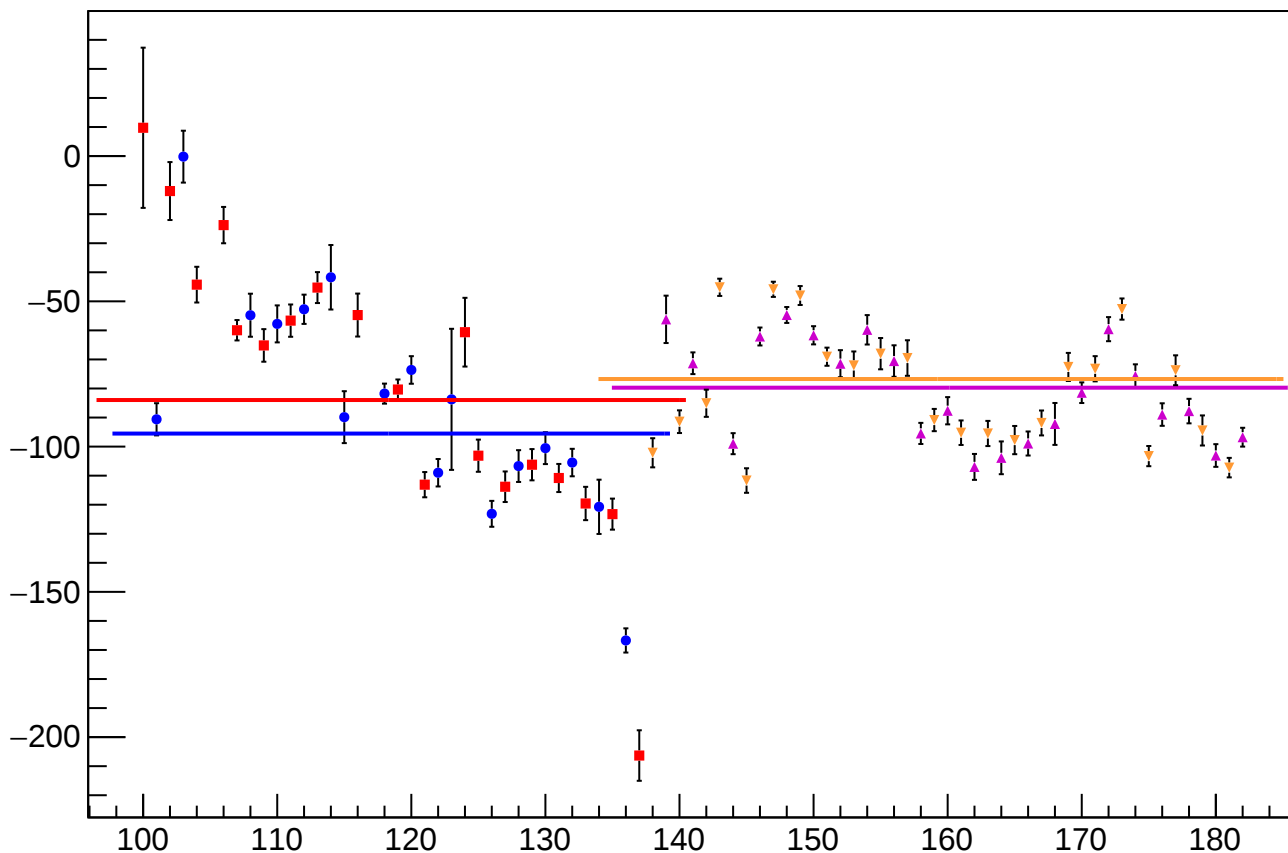
Right: -265.492 ± 1.486 χ^2/NDF : 3010.6/35

In: -218.944 ± 0.882 χ^2/NDF : 3858.8/38

Out: -213.610 ± 0.869 χ^2/NDF : 4804.7/41

All: -216.238 ± 0.619 χ^2/NDF : 8682.1/80

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.515 ± 1.344 χ^2/NDF : 669.2/16

Left Out: -76.740 ± 0.827 χ^2/NDF : 733.7/22

Right Out: -83.971 ± 1.259 χ^2/NDF : 781.5/18

Left In: -79.724 ± 0.849 χ^2/NDF : 412.0/21

Left: -78.193 ± 0.593 χ^2/NDF : 1152.0/44

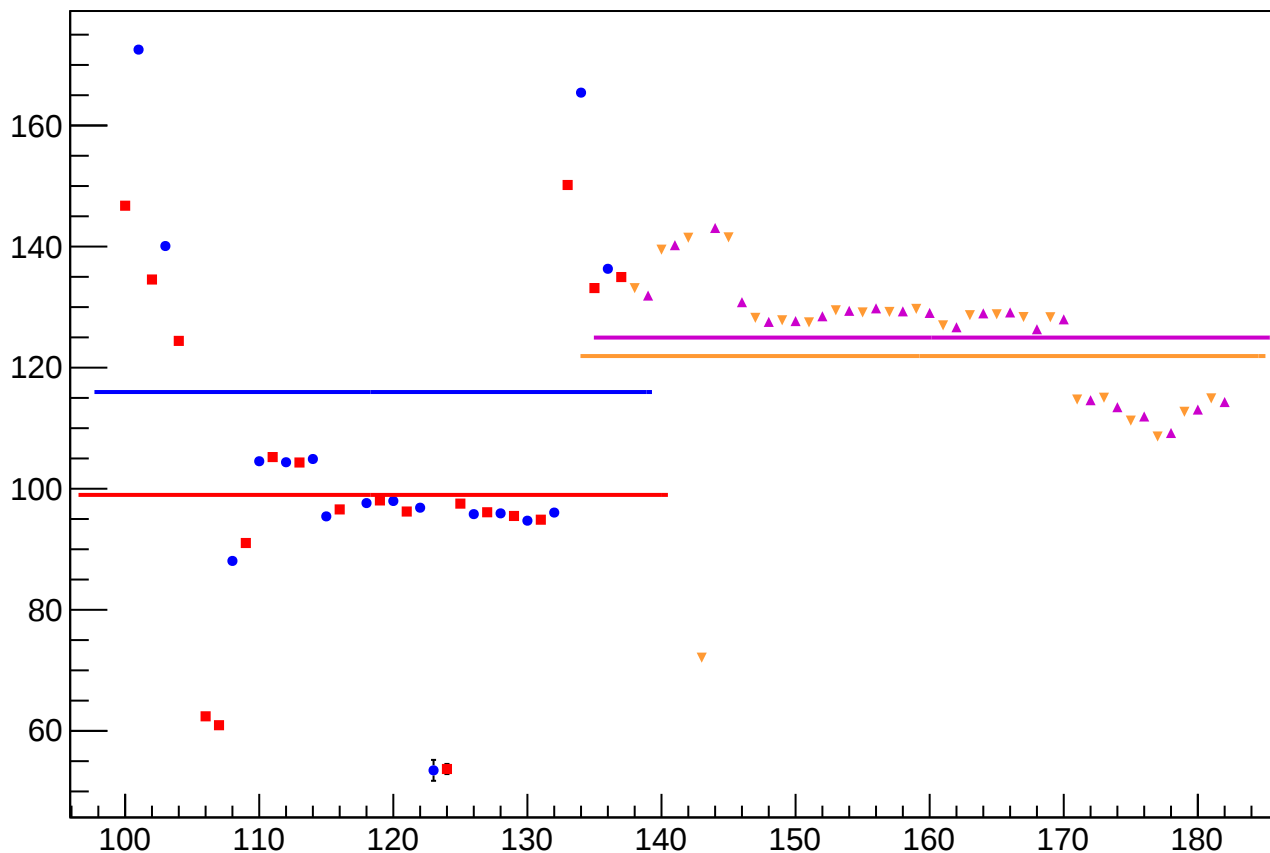
Right: -89.367 ± 0.919 χ^2/NDF : 1490.0/35

In: -84.232 ± 0.718 χ^2/NDF : 1179.9/38

Out: -78.921 ± 0.691 χ^2/NDF : 1538.2/41

All: -81.477 ± 0.498 χ^2/NDF : 2746.5/80

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.974 +/- 0.079 χ^2/NDF : 105656.7/16

Left Out: 121.915 +/- 0.040 χ^2/NDF : 162432.8/22

Right Out: 98.981 +/- 0.069 χ^2/NDF : 172977.7/18

Left In: 124.968 +/- 0.040 χ^2/NDF : 49994.8/21

Left: 123.442 +/- 0.028 χ^2/NDF : 215373.4/44

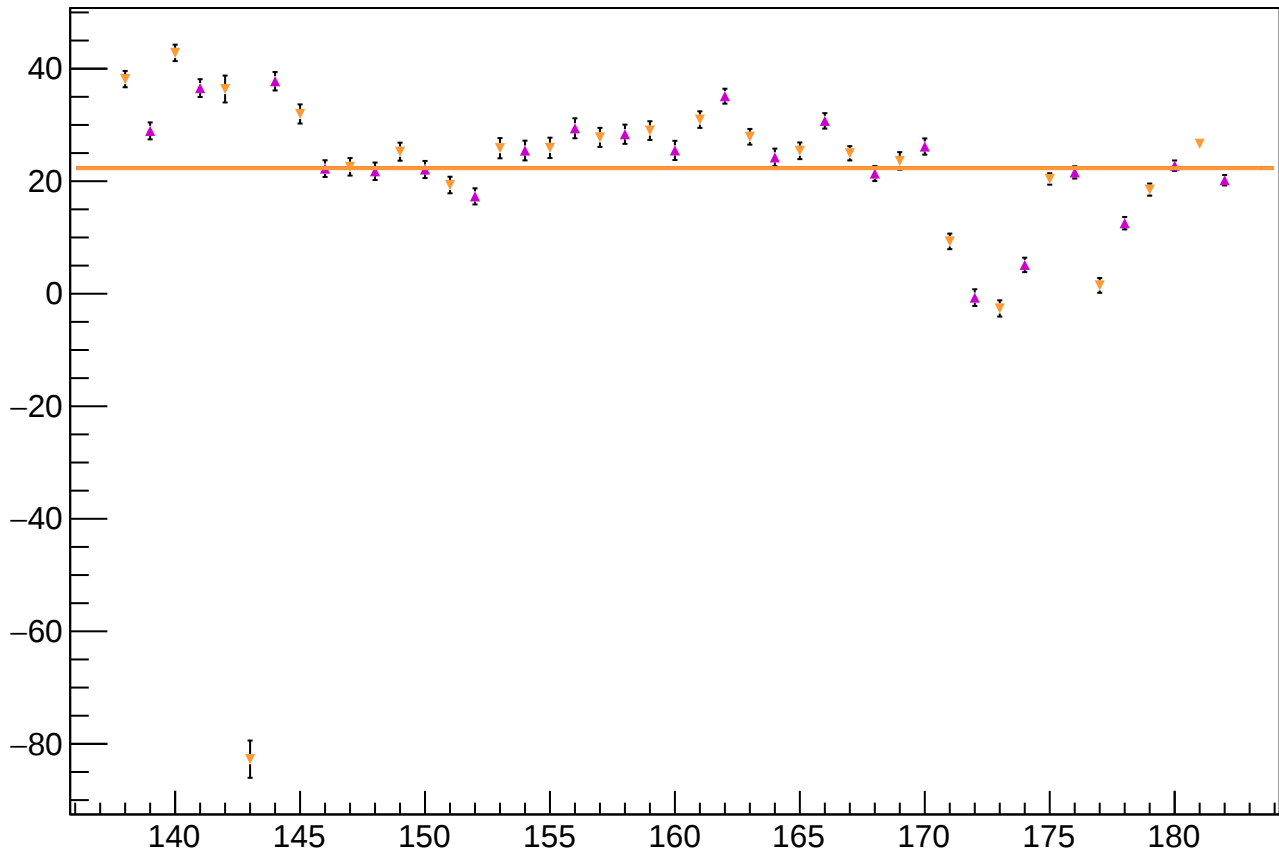
Right: 106.337 +/- 0.052 χ^2/NDF : 305183.9/35

In: 123.133 +/- 0.035 χ^2/NDF : 166091.3/38

Out: 116.145 +/- 0.034 χ^2/NDF : 419021.7/41

All: 119.533 +/- 0.025 χ^2/NDF : 605098.7/80

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: 22.326 $\pm$ 0.297 χ^2 /NDF:2169.5/22

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

Left In: 22.344 $\pm$ 0.289 χ^2 /NDF:879.6/21

Left: 22.335 $\pm$ 0.207 χ^2 /NDF: 3049.1/44

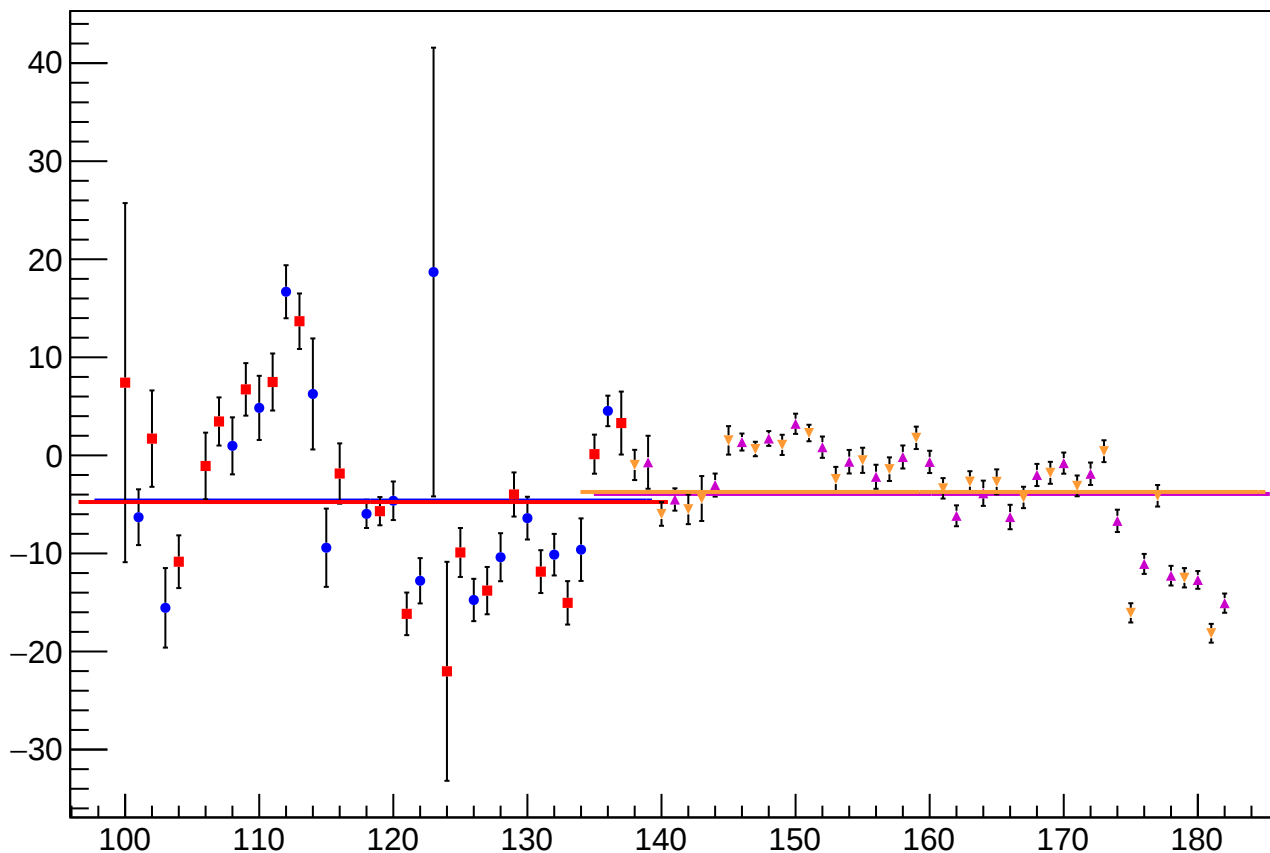
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 22.344 $\pm$ 0.289 χ^2 /NDF:879.6/21

Out: 22.326 $\pm$ 0.297 χ^2 /NDF:2169.5/22

All: 22.335 $\pm$ 0.207 χ^2 /NDF: 3049.1/44

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.606 ± 0.589 χ^2/NDF : 173.4/16

Left Out: -3.730 ± 0.230 χ^2/NDF : 646.5/22

Right Out: -4.758 ± 0.585 χ^2/NDF : 192.3/18

Left In: -3.934 ± 0.230 χ^2/NDF : 560.5/21

Left: -3.832 ± 0.163 χ^2/NDF : 1207.4/44

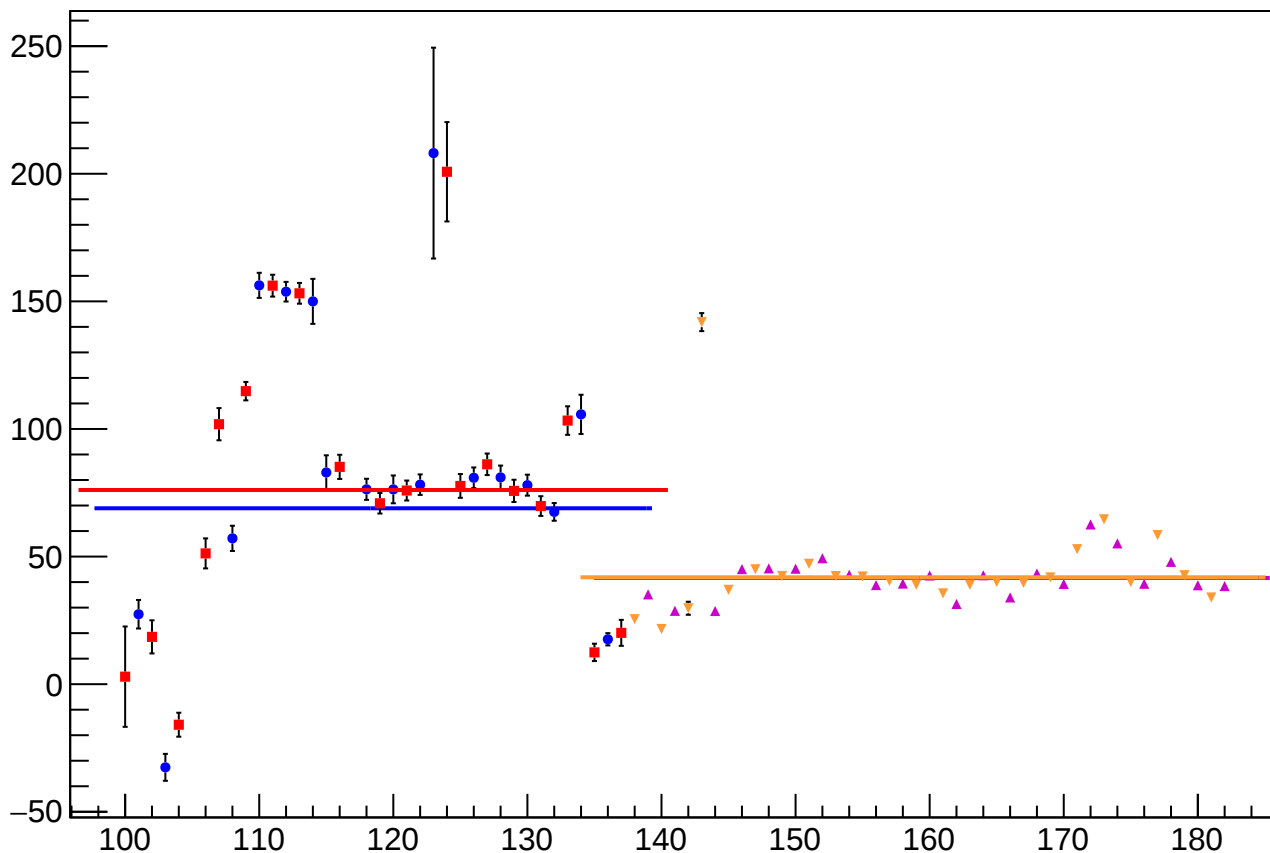
Right: -4.683 ± 0.415 χ^2/NDF : 365.7/35

In: -4.023 ± 0.214 χ^2/NDF : 735.0/38

Out: -3.868 ± 0.214 χ^2/NDF : 841.5/41

All: -3.946 ± 0.151 χ^2/NDF : 1576.8/80

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 68.921 ± 1.086 $\chi^2/\text{NDF}: 1844.0/16$

Left Out: 41.879 ± 0.295 $\chi^2/\text{NDF}: 1693.4/22$

Right Out: 76.086 ± 1.072 $\chi^2/\text{NDF}: 1881.7/18$

Left In: 41.615 ± 0.288 $\chi^2/\text{NDF}: 627.1/21$

Left: 41.744 ± 0.206 $\chi^2/\text{NDF}: 2320.9/44$

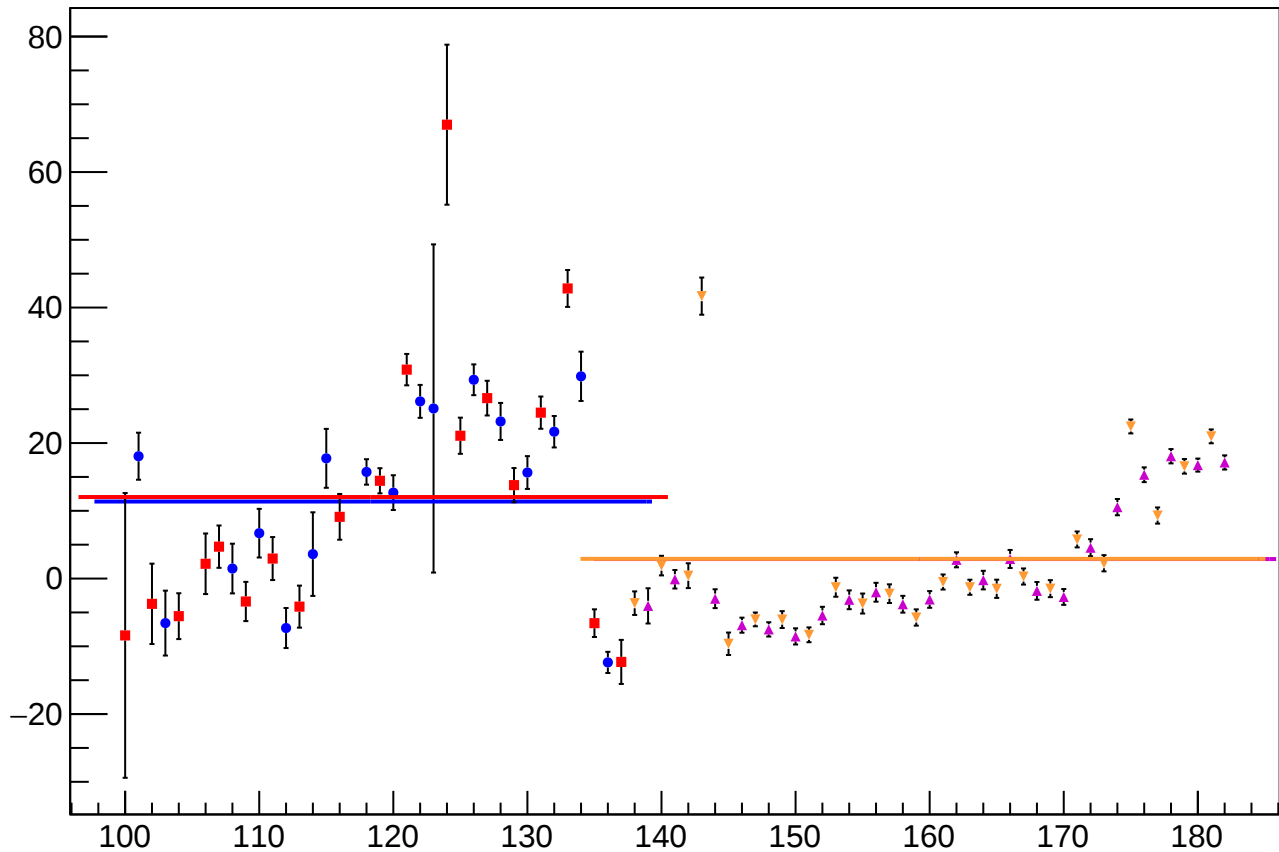
Right: 72.550 ± 0.763 $\chi^2/\text{NDF}: 3747.7/35$

In: 43.406 ± 0.278 $\chi^2/\text{NDF}: 3062.1/38$

Out: 44.284 ± 0.284 $\chi^2/\text{NDF}: 4522.0/41$

All: 43.836 ± 0.199 $\chi^2/\text{NDF}: 7588.9/80$

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.369 ± 0.667 χ^2/NDF : 474.4/16

Left Out: 2.908 ± 0.261 χ^2/NDF : 1524.3/22

Right Out: 12.033 ± 0.665 χ^2/NDF : 537.8/18

Left In: 2.879 ± 0.260 χ^2/NDF : 1234.4/21

Left: 2.893 ± 0.184 χ^2/NDF : 2758.7/44

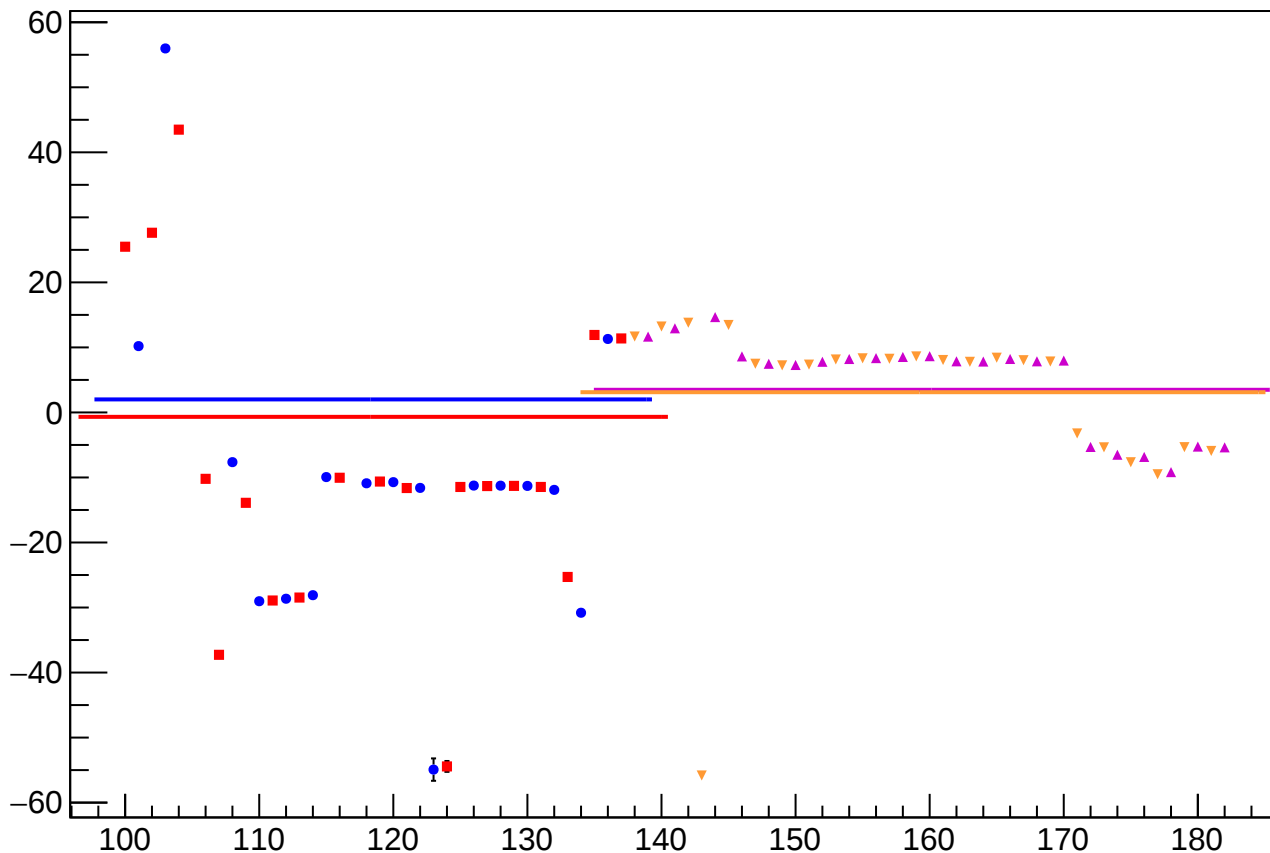
Right: 11.702 ± 0.471 χ^2/NDF : 1012.6/35

In: 3.996 ± 0.242 χ^2/NDF : 1849.5/38

Out: 4.128 ± 0.243 χ^2/NDF : 2225.1/41

All: 4.061 ± 0.172 χ^2/NDF : 4074.7/80

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 2.002 ± 0.037 $\chi^2/\text{NDF}: 357872.4/16$

Left Out: 3.112 ± 0.012 $\chi^2/\text{NDF}: 553195.6/22$

Right Out: -0.678 ± 0.037 $\chi^2/\text{NDF}: 360956.7/18$

Left In: 3.483 ± 0.012 $\chi^2/\text{NDF}: 392138.5/21$

Left: 3.302 ± 0.008 $\chi^2/\text{NDF}: 945819.6/44$

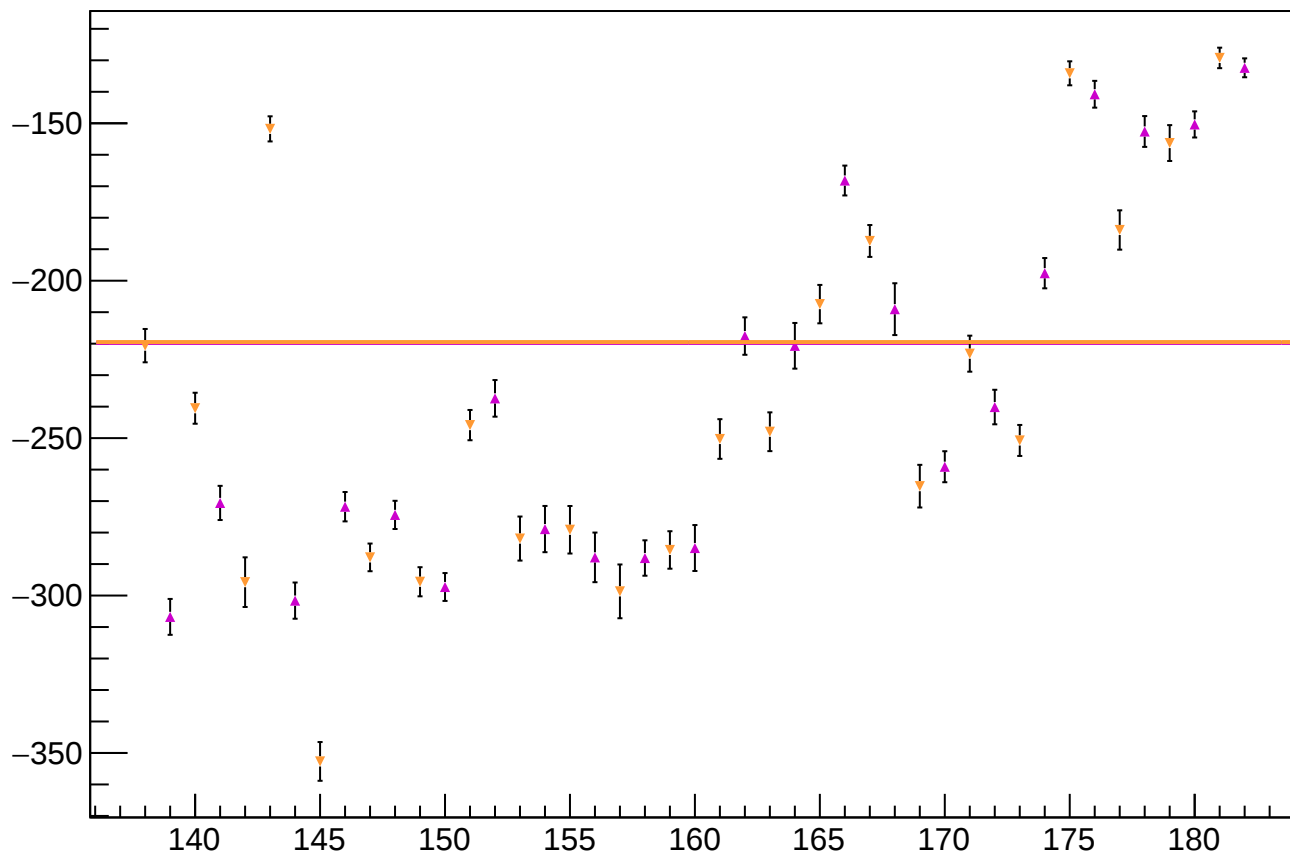
Right: 0.661 ± 0.026 $\chi^2/\text{NDF}: 721427.3/35$

In: 3.348 ± 0.011 $\chi^2/\text{NDF}: 751451.4/38$

Out: 2.752 ± 0.011 $\chi^2/\text{NDF}: 923564.8/41$

All: 3.056 ± 0.008 $\chi^2/\text{NDF}: 1676396.4/80$

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: -219.486 $\pm$ 1.094 χ^2 /NDF:3364.4/22

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

Left In: -219.768 $\pm$ 1.087 χ^2 /NDF:3357.3/21

Left: -219.628 $\pm$ 0.771 χ^2 /NDF: 6721.8/44

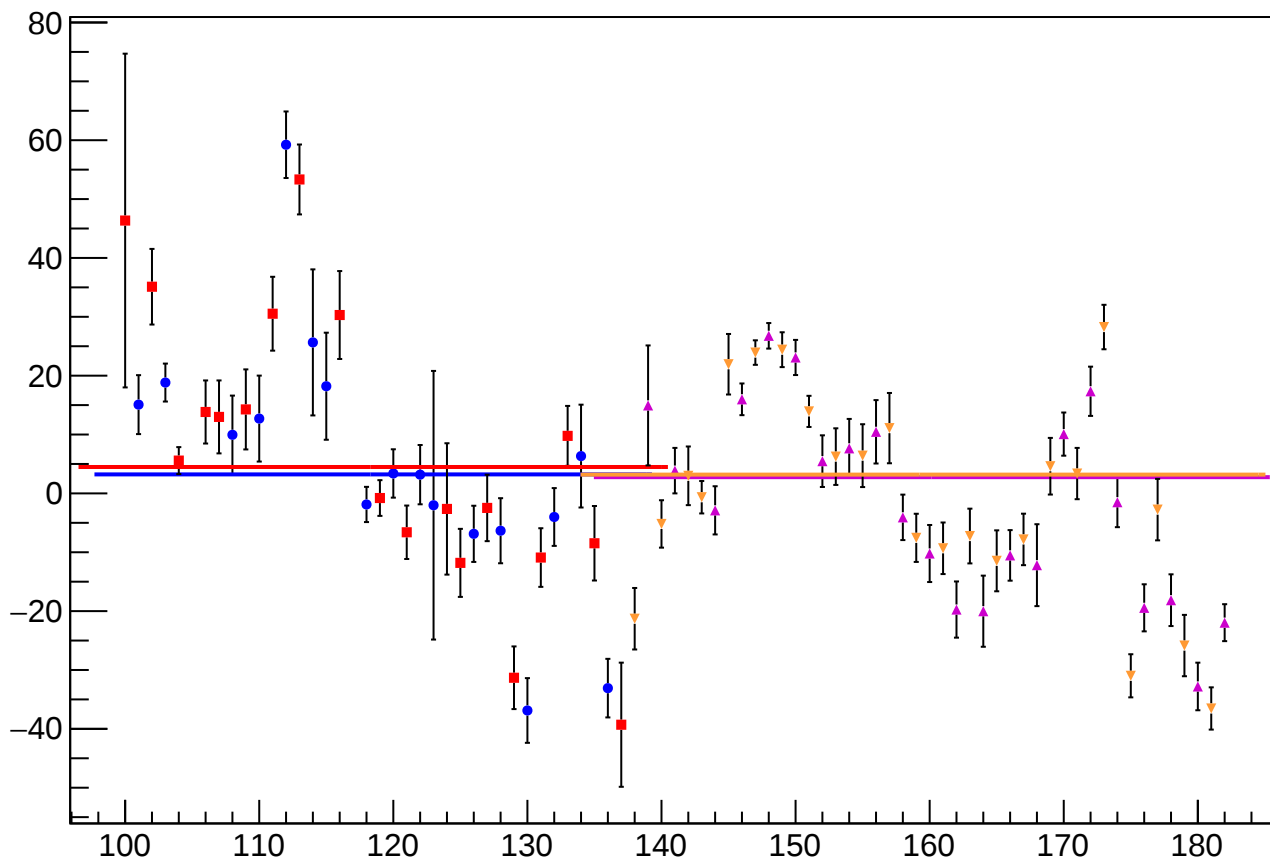
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -219.768 $\pm$ 1.087 χ^2 /NDF:3357.3/21

Out: -219.486 $\pm$ 1.094 χ^2 /NDF:3364.4/22

All: -219.628 $\pm$ 0.771 χ^2 /NDF: 6721.8/44

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.227 $\pm$ 1.246 χ^2 /NDF: 255.1/16

Left Out: 3.190 $\pm$ 0.805 χ^2 /NDF:531.6/22

Right Out: 4.485 $\pm$ 1.158 χ^2 /NDF: 225.1/18

Left In: 2.756 $\pm$ 0.832 χ^2 /NDF:470.6/21

Left: 2.980 $\pm$ 0.579 χ^2 /NDF: 1002.4/44

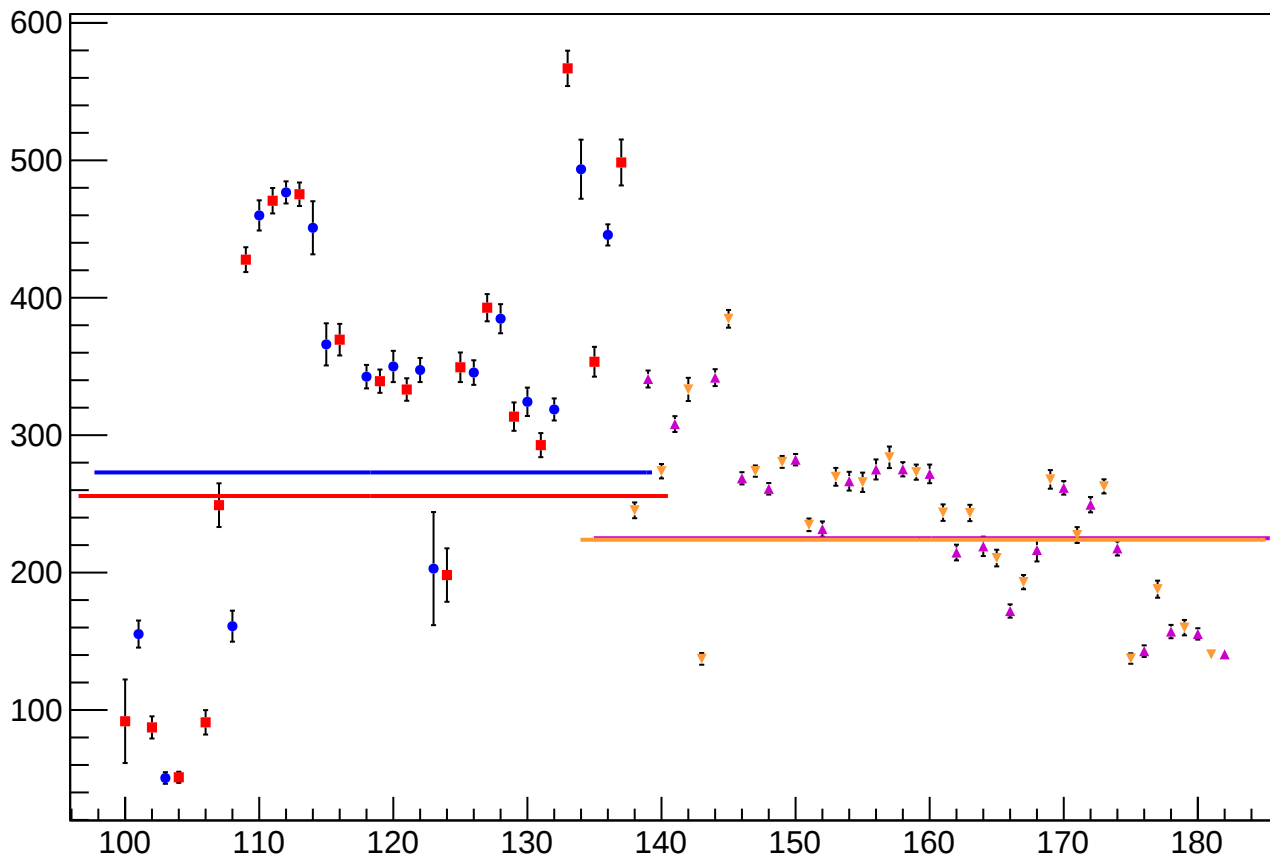
Right: 3.902 $\pm$ 0.848 χ^2 /NDF: 480.8/35

In: 2.901 $\pm$ 0.692 χ^2 /NDF:725.8/38

Out: 3.612 $\pm$ 0.661 χ^2 /NDF:757.6/41

All: 3.273 $\pm$ 0.478 χ^2 /NDF: 1484.0/80

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 272.880 $\pm$ 2.208 χ^2 /NDF: 5091.5/16

Left Out: 223.896 $\pm$ 1.092 χ^2 /NDF:3305.6/22

Right Out: 255.714 $\pm$ 2.082 χ^2 /NDF: 6433.2/18

Left In: 225.006 $\pm$ 1.080 χ^2 /NDF:3303.7/21

Left: 224.457 $\pm$ 0.768 χ^2 /NDF: 6609.8/44

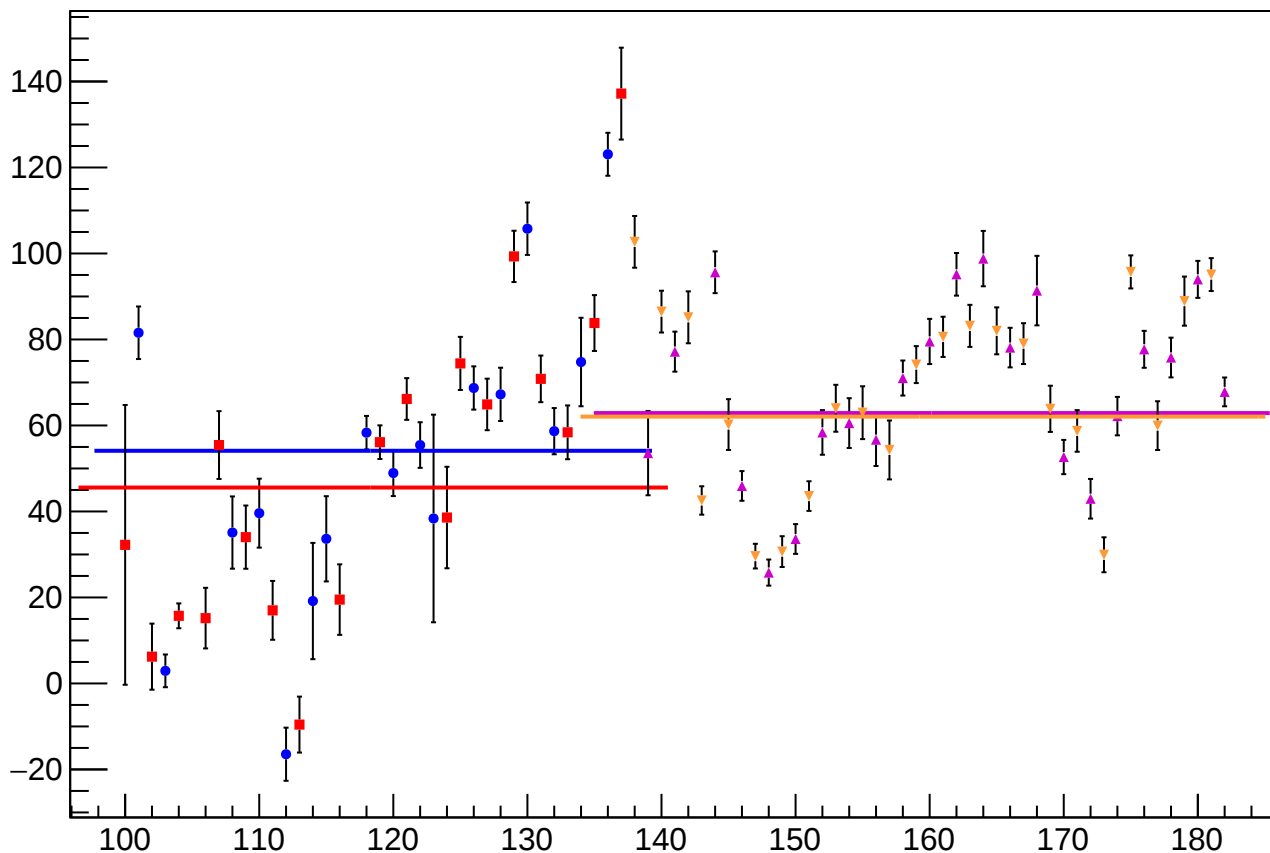
Right: 263.793 $\pm$ 1.515 χ^2 /NDF: 11556.6/35

In: 234.246 $\pm$ 0.970 χ^2 /NDF:8774.4/38

Out: 230.761 $\pm$ 0.967 χ^2 /NDF:9921.8/41

All: 232.498 $\pm$ 0.685 χ^2 /NDF: 18702.7/80

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.110 $\pm$ 1.441 χ^2 /NDF: 633.3/16

Left Out: 62.061 $\pm$ 0.937 χ^2 /NDF:660.3/22

Right Out: 45.566 $\pm$ 1.359 χ^2 /NDF: 528.2/18

Left In: 62.881 $\pm$ 0.955 χ^2 /NDF:512.9/21

Left: 62.464 $\pm$ 0.669 χ^2 /NDF: 1173.6/44

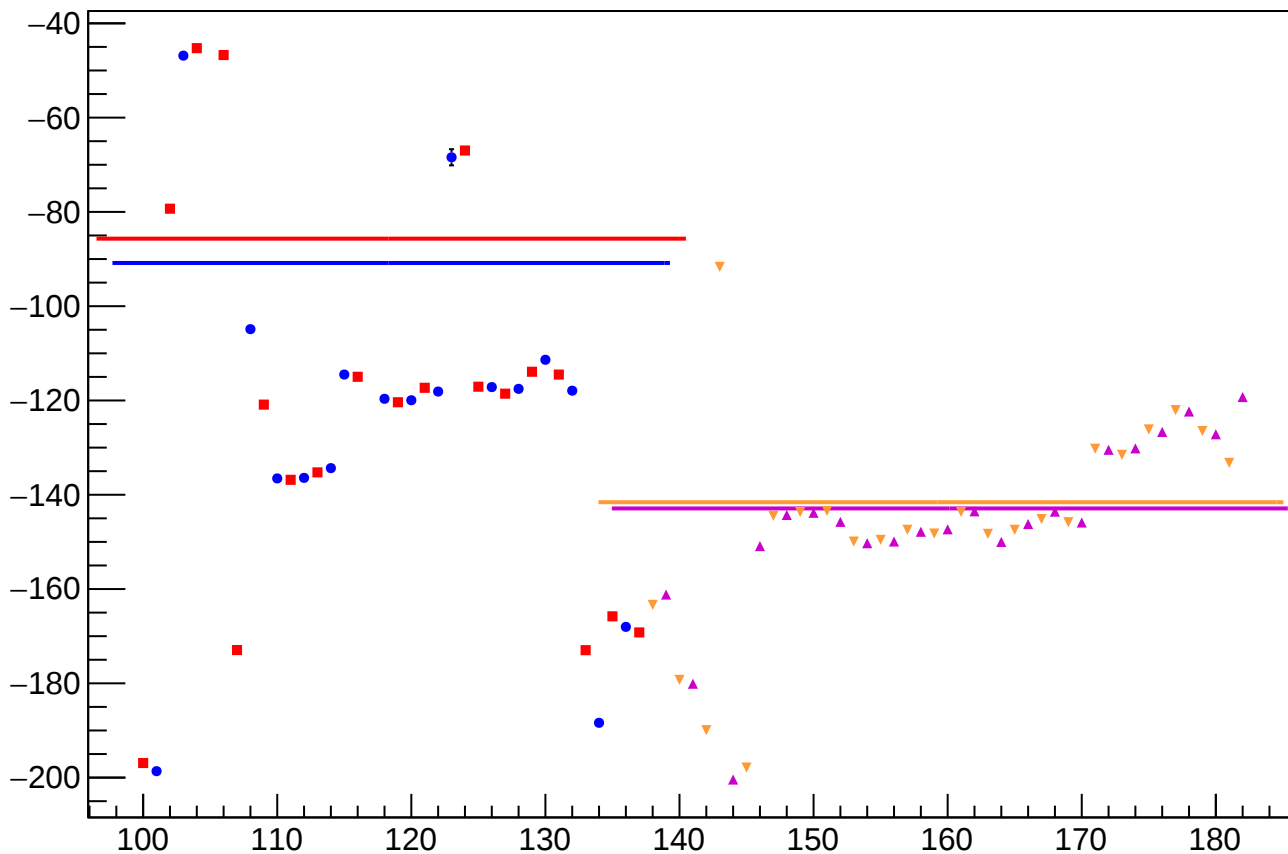
Right: 49.589 $\pm$ 0.989 χ^2 /NDF: 1180.1/35

In: 60.204 $\pm$ 0.796 χ^2 /NDF:1171.9/38

Out: 56.743 $\pm$ 0.772 χ^2 /NDF:1288.3/41

All: 58.420 $\pm$ 0.554 χ^2 /NDF: 2470.0/80

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.830 ± 0.068 $\chi^2/\text{NDF}: 533047.0/16$

Left Out: -141.584 ± 0.045 $\chi^2/\text{NDF}: 221962.4/22$

Right Out: -85.675 ± 0.065 $\chi^2/\text{NDF}: 493800.4/18$

Left In: -142.903 ± 0.045 $\chi^2/\text{NDF}: 137297.2/21$

Left: -142.250 ± 0.032 $\chi^2/\text{NDF}: 359689.5/44$

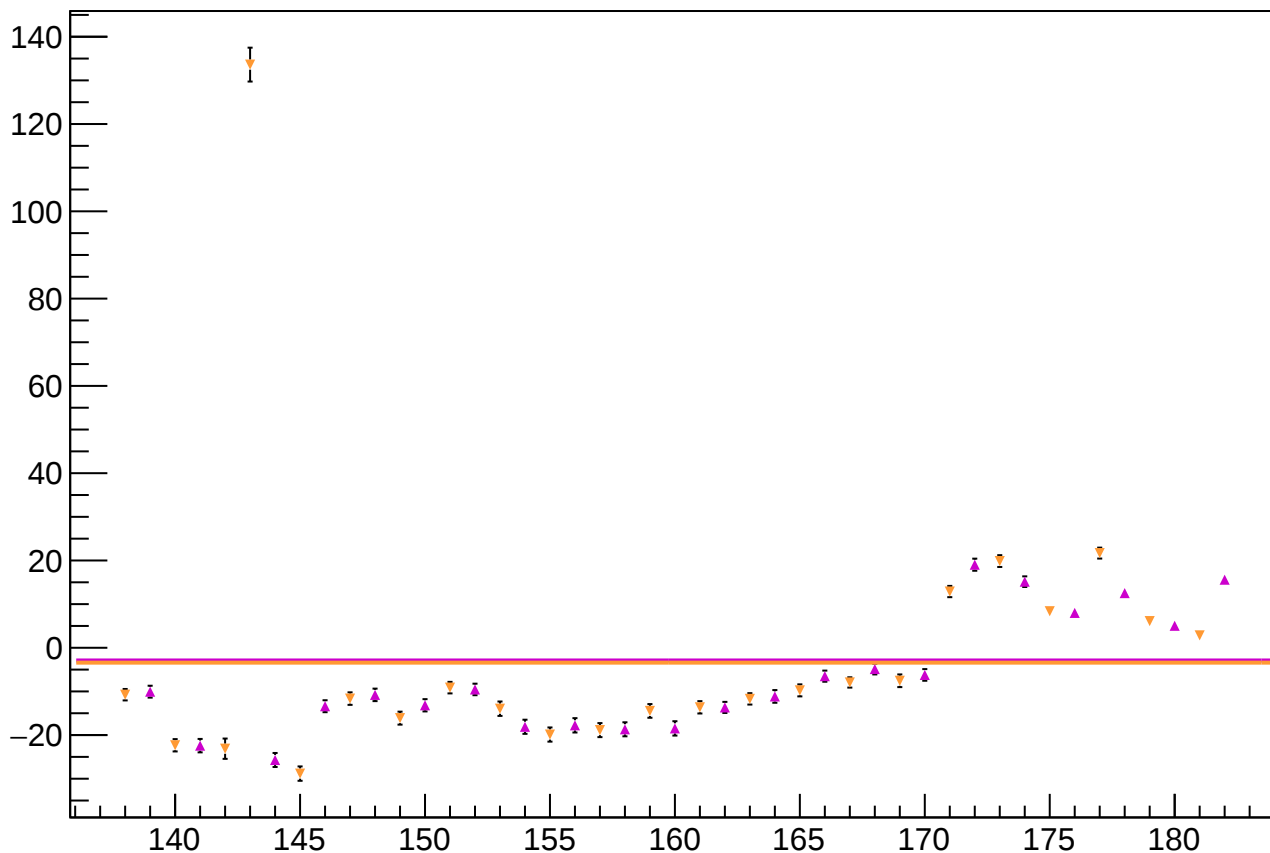
Right: -88.148 ± 0.047 $\chi^2/\text{NDF}: 1029854.7/35$

In: -127.108 ± 0.037 $\chi^2/\text{NDF}: 1081207.3/38$

Out: -123.409 ± 0.037 $\chi^2/\text{NDF}: 1213437.3/41$

All: -125.248 ± 0.026 $\chi^2/\text{NDF}: 2299578.7/80$

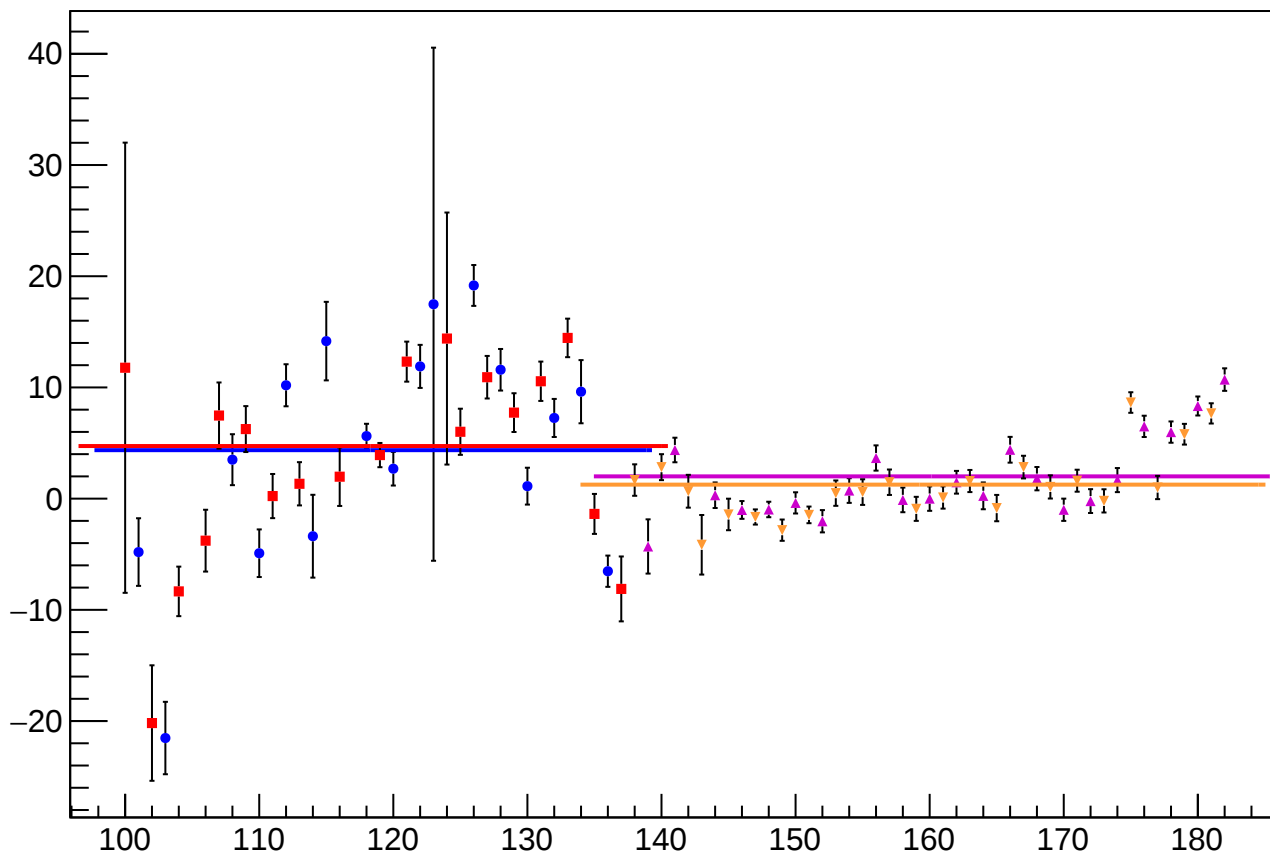
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.406+/-0.279 χ^2/NDF : 3470.2/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.910+/-0.274 χ^2/NDF : 2284.0/21

Left: -3.154+/-0.195 χ^2/NDF : 5755.8/44
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.910+/-0.274 χ^2/NDF : 2284.0/21
 Out: -3.406+/-0.279 χ^2/NDF : 3470.2/22
 All: -3.154+/-0.195 χ^2/NDF : 5755.8/44

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.358 $\pm$ 0.472 χ^2 /NDF: 280.7/16

Left Out: 1.259 $\pm$ 0.216 χ^2 /NDF:210.6/22

Right Out: 4.729 $\pm$ 0.474 χ^2 /NDF: 183.8/18

Left In: 2.002 $\pm$ 0.217 χ^2 /NDF:267.0/21

Left: 1.629 $\pm$ 0.153 χ^2 /NDF: 483.4/44

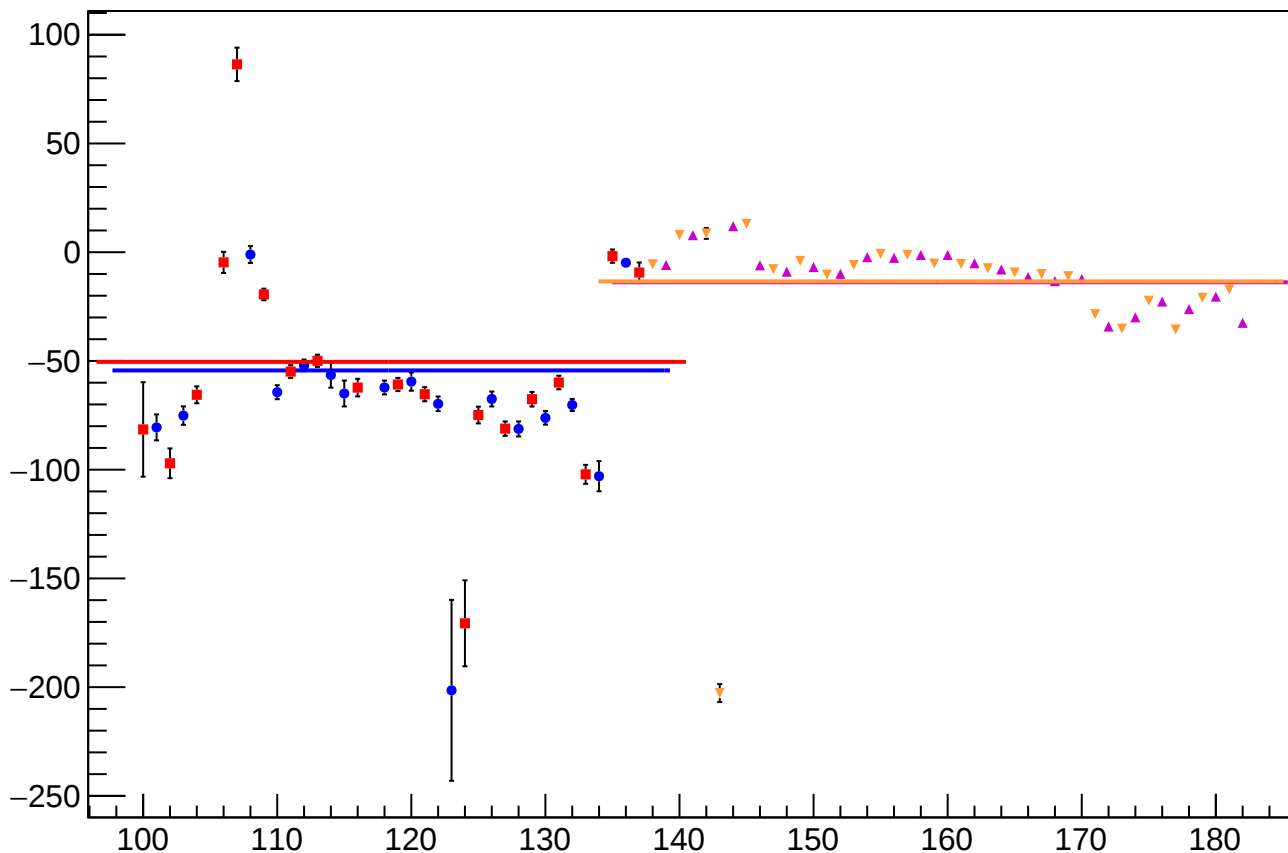
Right: 4.543 $\pm$ 0.334 χ^2 /NDF: 464.8/35

In: 2.413 $\pm$ 0.197 χ^2 /NDF:568.3/38

Out: 1.855 $\pm$ 0.196 χ^2 /NDF:438.8/41

All: 2.133 $\pm$ 0.139 χ^2 /NDF: 1011.1/80

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.358+/-0.870 χ^2/NDF : 1014.3/16

Left Out: -13.411+/-0.277 χ^2/NDF : 3827.0/22

Right Out: -50.421+/-0.859 χ^2/NDF : 1316.6/18

Left In: -13.829+/-0.272 χ^2/NDF : 1817.1/21

Left: -13.624+/-0.194 χ^2/NDF : 5645.3/44

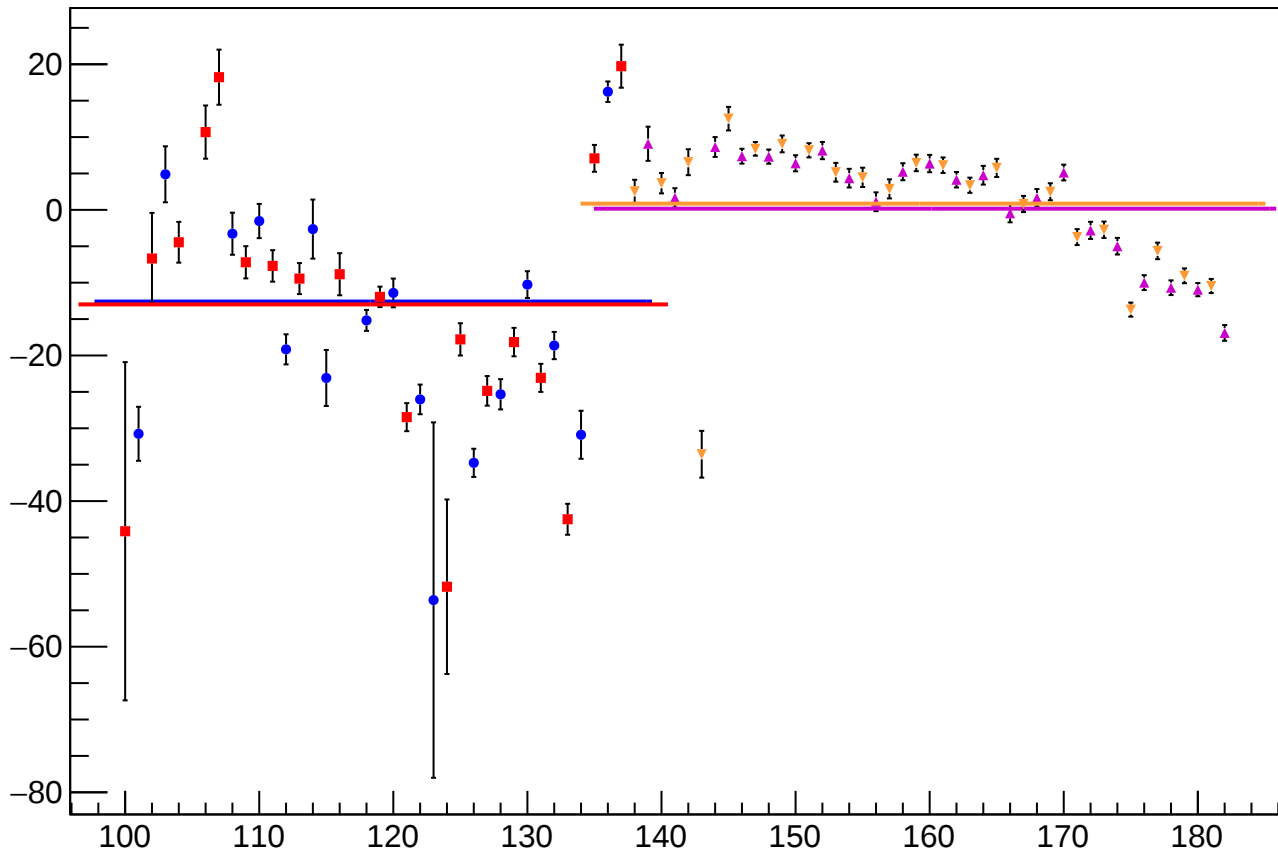
Right: -52.364+/-0.611 χ^2/NDF : 2341.3/35

In: -17.435+/-0.260 χ^2/NDF : 4807.4/38

Out: -16.890+/-0.263 χ^2/NDF : 6825.1/41

All: -17.167+/-0.185 χ^2/NDF : 11634.6/80

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.592 ± 0.538 χ^2/NDF : 779.7/16

Left Out: 0.859 ± 0.245 χ^2/NDF : 963.6/22

Right Out: -12.981 ± 0.539 χ^2/NDF : 721.9/18

Left In: 0.166 ± 0.245 χ^2/NDF : 982.9/21

Left: 0.513 ± 0.173 χ^2/NDF : 1950.6/44

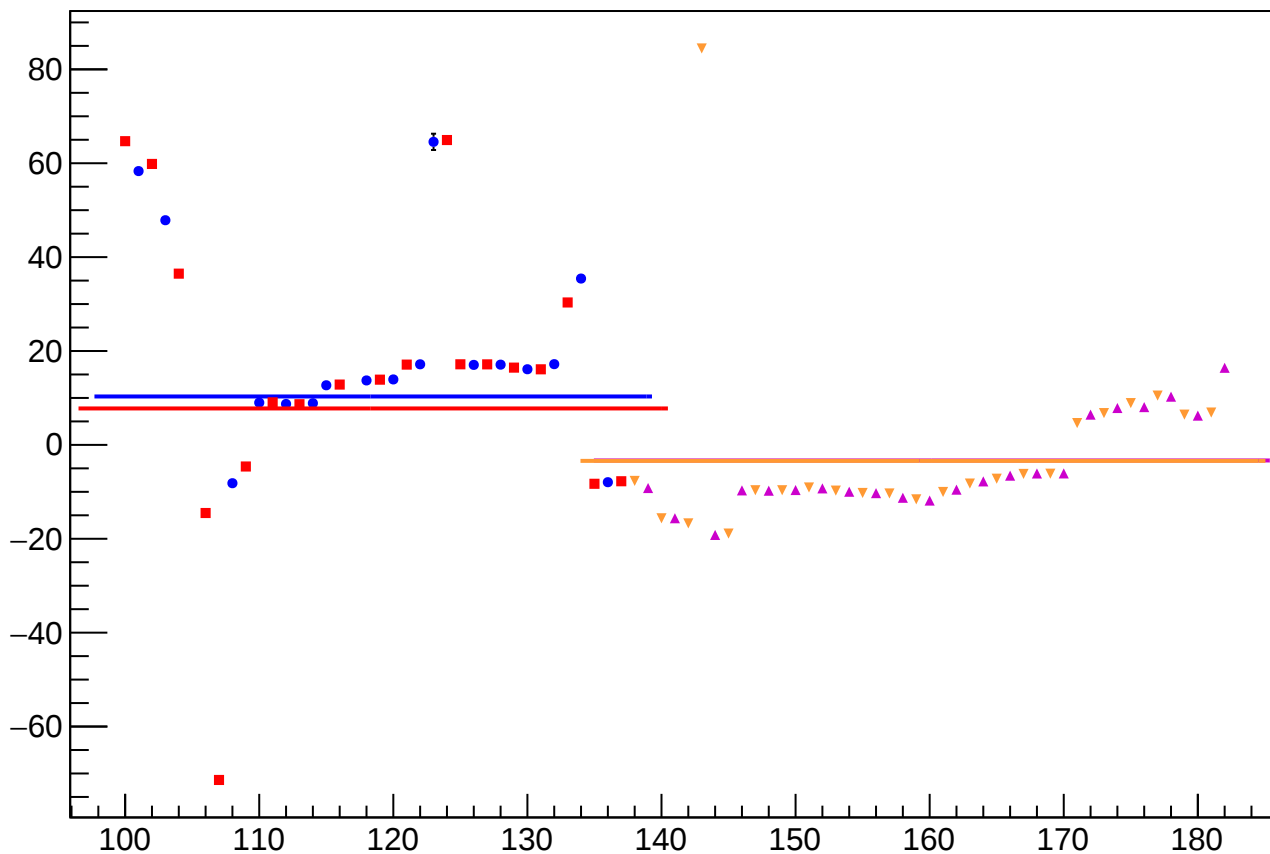
Right: -12.786 ± 0.380 χ^2/NDF : 1501.9/35

In: -2.029 ± 0.223 χ^2/NDF : 2229.0/38

Out: -1.517 ± 0.223 χ^2/NDF : 2232.5/41

All: -1.773 ± 0.158 χ^2/NDF : 4464.1/80

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.315 ± 0.031 $\chi^2/\text{NDF}: 380737.7/16$

Left Out: -3.405 ± 0.011 $\chi^2/\text{NDF}: 857469.5/22$

Right Out: 7.762 ± 0.031 $\chi^2/\text{NDF}: 543895.1/18$

Left In: -3.318 ± 0.011 $\chi^2/\text{NDF}: 704540.0/21$

Left: -3.361 ± 0.008 $\chi^2/\text{NDF}: 1562040.2/44$

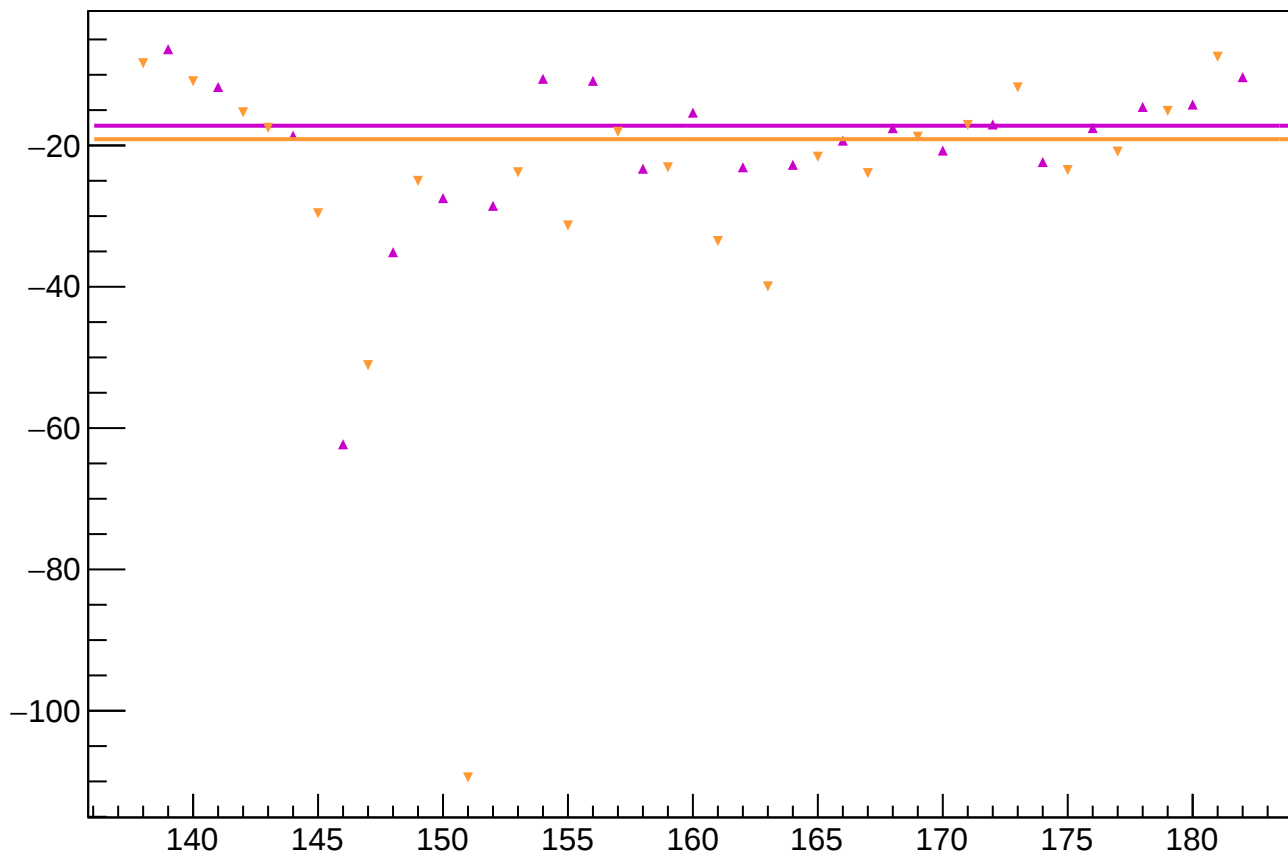
Right: 9.064 ± 0.022 $\chi^2/\text{NDF}: 928013.8/35$

In: -1.744 ± 0.010 $\chi^2/\text{NDF}: 1259434.3/38$

Out: -2.124 ± 0.011 $\chi^2/\text{NDF}: 1513733.2/41$

All: -1.930 ± 0.007 $\chi^2/\text{NDF}: 2773818.7/80$

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: -19.111+/-0.042 χ^2/NDF :83617.6/22

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

Left In: -17.207+/-0.039 χ^2/NDF :43599.0/21

Left: -18.091+/-0.028 χ^2/NDF : 128334.1/44

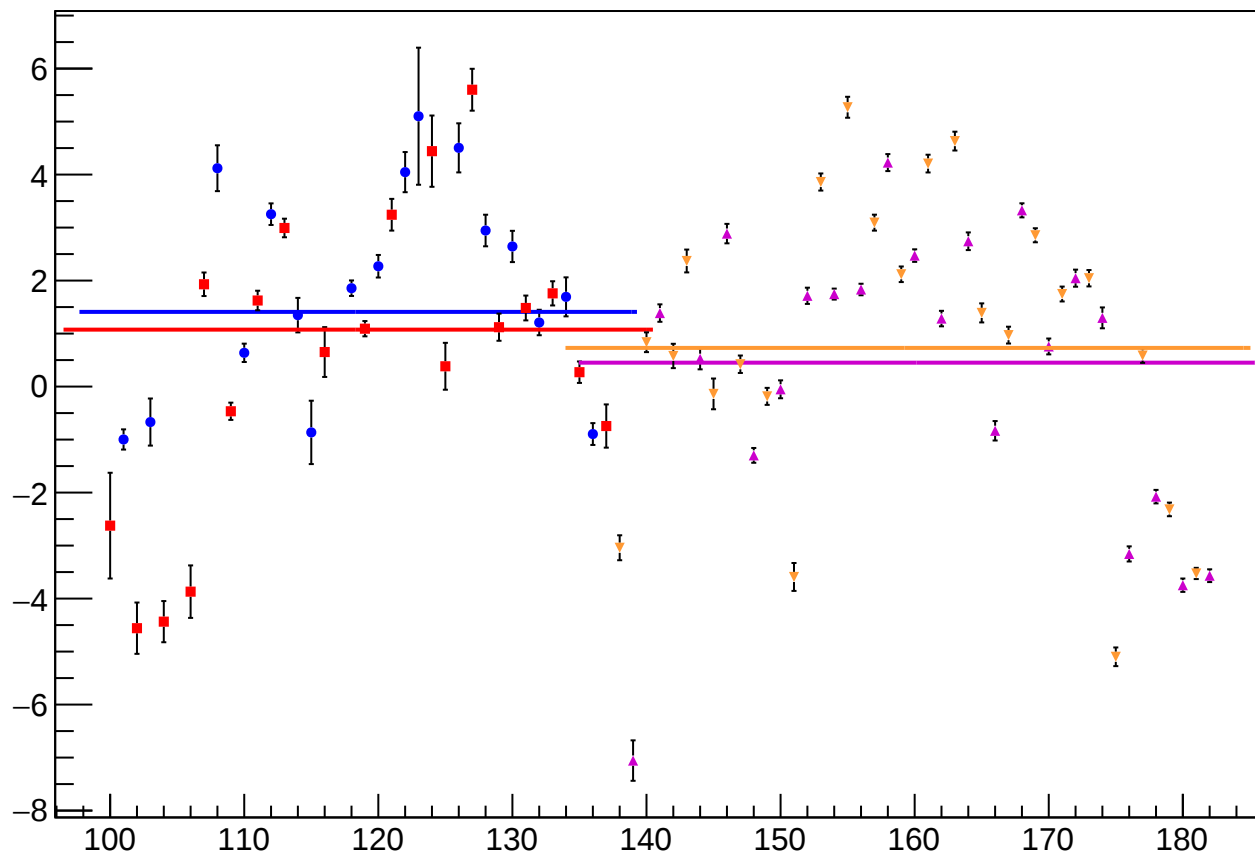
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.207+/-0.039 χ^2/NDF :43599.0/21

Out: -19.111+/-0.042 χ^2/NDF :83617.6/22

All: -18.091+/-0.028 χ^2/NDF : 128334.1/44

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.409 $\pm$ 0.062 χ^2/NDF : 634.6/16

Left Out: 0.730 $\pm$ 0.034 χ^2/NDF : 6449.8/22

Right Out: 1.074 $\pm$ 0.058 χ^2/NDF : 942.5/18

Left In: 0.451 $\pm$ 0.031 χ^2/NDF : 6106.0/21

Left: 0.578 $\pm$ 0.023 χ^2/NDF : 12592.4/44

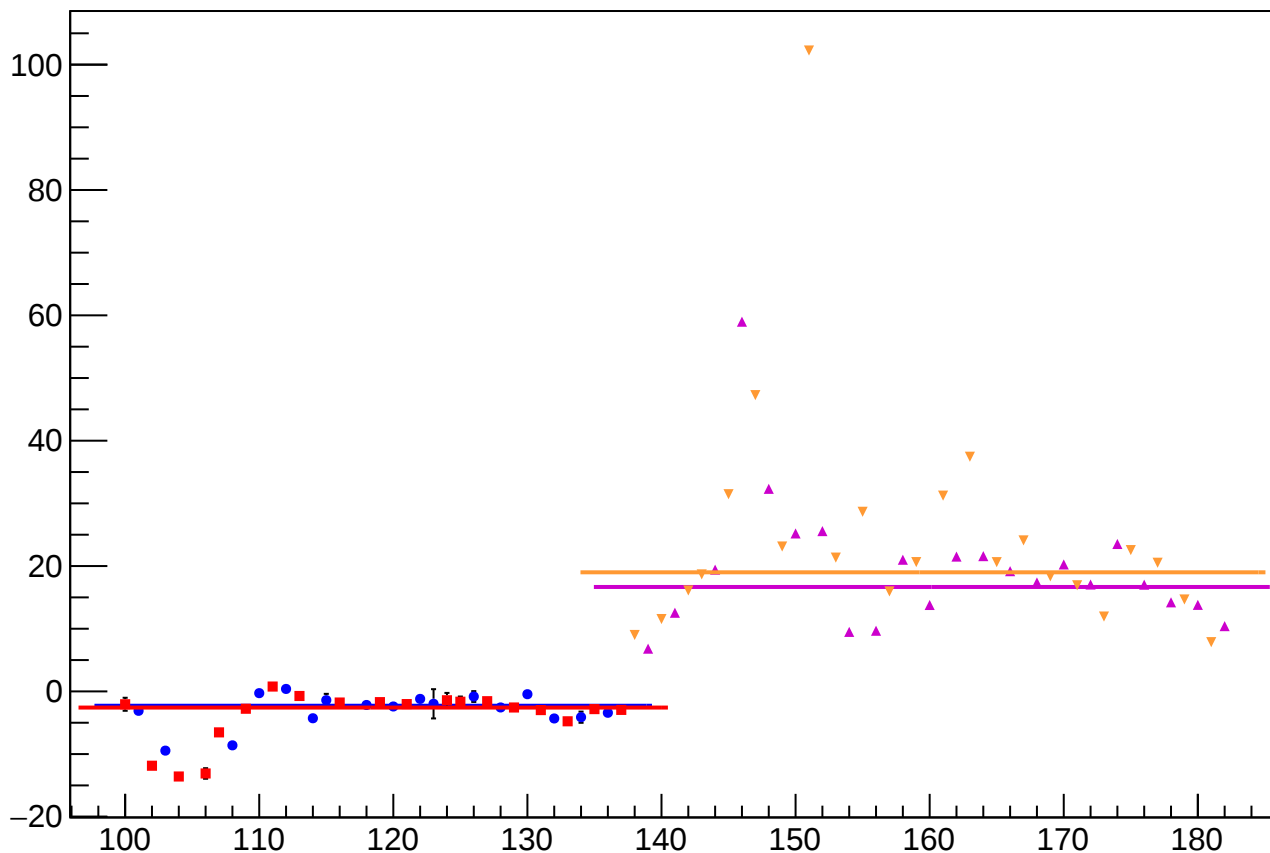
Right: 1.231 $\pm$ 0.042 χ^2/NDF : 1592.6/35

In: 0.643 $\pm$ 0.028 χ^2/NDF : 6931.1/38

Out: 0.818 $\pm$ 0.029 χ^2/NDF : 7418.6/41

All: 0.726 $\pm$ 0.020 χ^2/NDF : 14368.4/80

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.289 ± 0.112 χ^2/NDF : 447.6/16

Left Out: 19.000 ± 0.042 χ^2/NDF : 73710.3/22

Right Out: -2.579 ± 0.099 χ^2/NDF : 891.5/18

Left In: 16.662 ± 0.038 χ^2/NDF : 40544.1/21

Left: 17.735 ± 0.028 χ^2/NDF : 115959.1/44

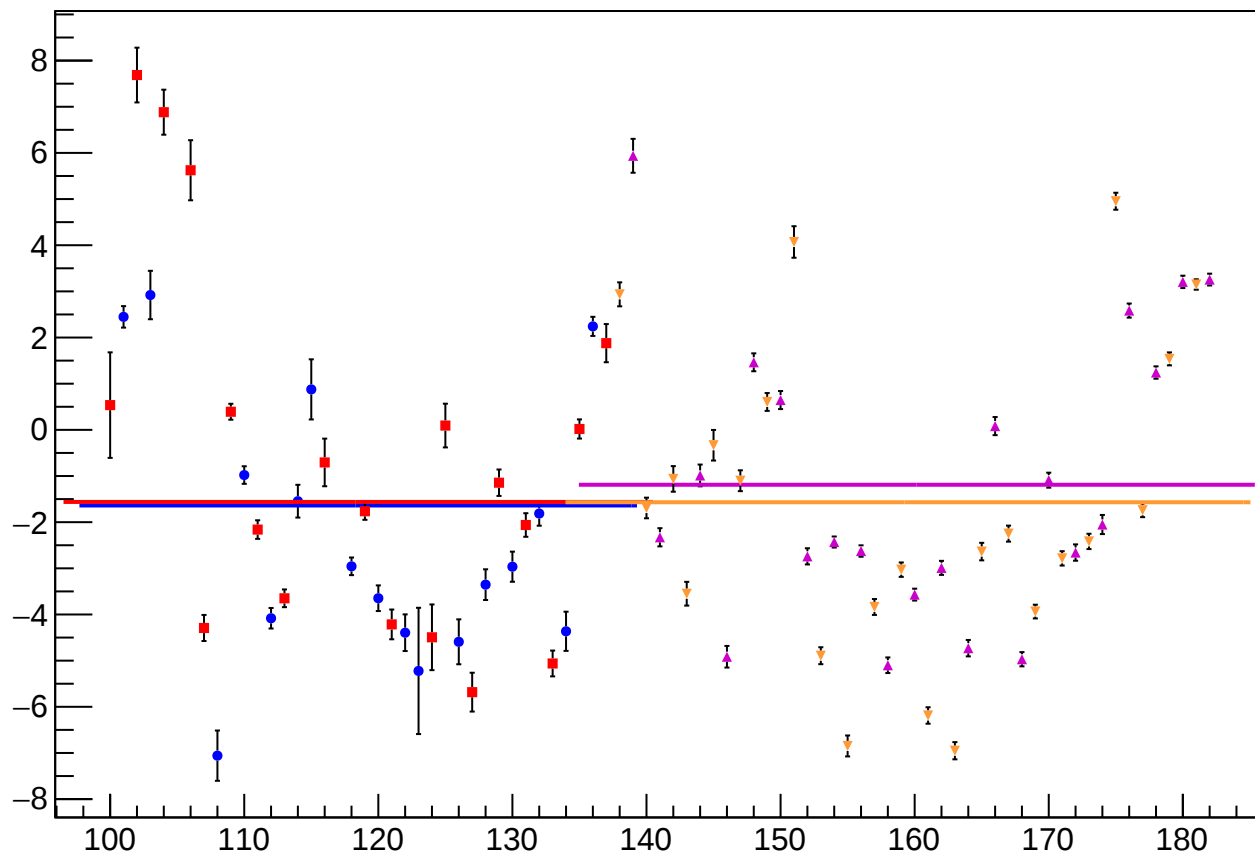
Right: -2.451 ± 0.074 χ^2/NDF : 1342.9/35

In: 14.657 ± 0.036 χ^2/NDF : 66809.2/38

Out: 15.749 ± 0.038 χ^2/NDF : 115006.8/41

All: 15.172 ± 0.026 χ^2/NDF : 182242.9/80

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Left: -1.362 ± 0.026 $\chi^2/\text{NDF}: 13965.3/44$

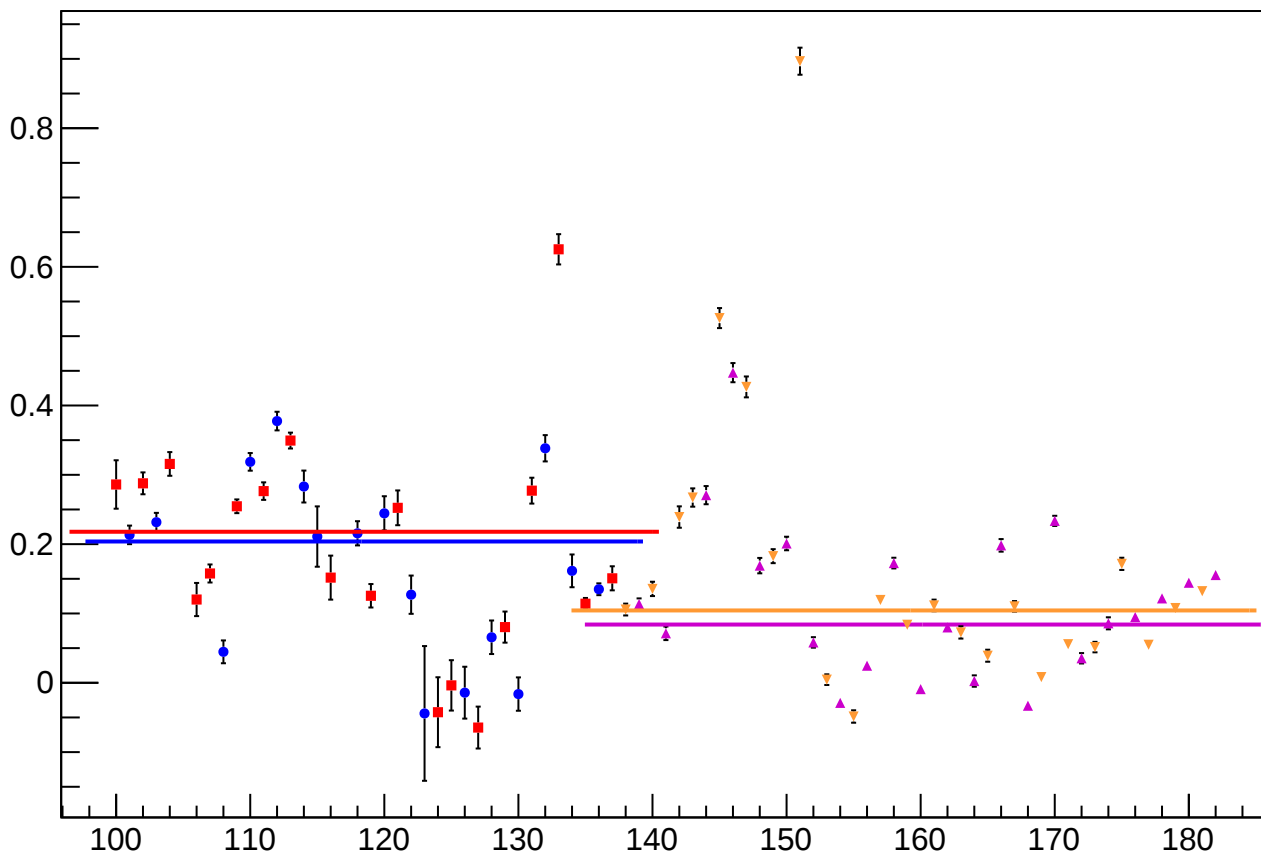
Right: -1.597 ± 0.048 $\chi^2/\text{NDF}: 2762.9/35$

In: -1.275 ± 0.031 $\chi^2/\text{NDF}: 7911.8/38$

Out: -1.567 ± 0.033 $\chi^2/\text{NDF}: 8793.3/41$

All: -1.413 ± 0.023 $\chi^2/\text{NDF}: 16746.8/80$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.204 $\pm$ 0.004 χ^2 /NDF: 645.6/16

Left Out: 0.104 $\pm$ 0.002 χ^2 /NDF:4251.3/22

Right Out: 0.218 $\pm$ 0.004 χ^2 /NDF: 1016.1/18

Left In: 0.084 $\pm$ 0.002 χ^2 /NDF:3553.5/21

Left: 0.093 $\pm$ 0.001 χ^2 /NDF: 7884.3/44

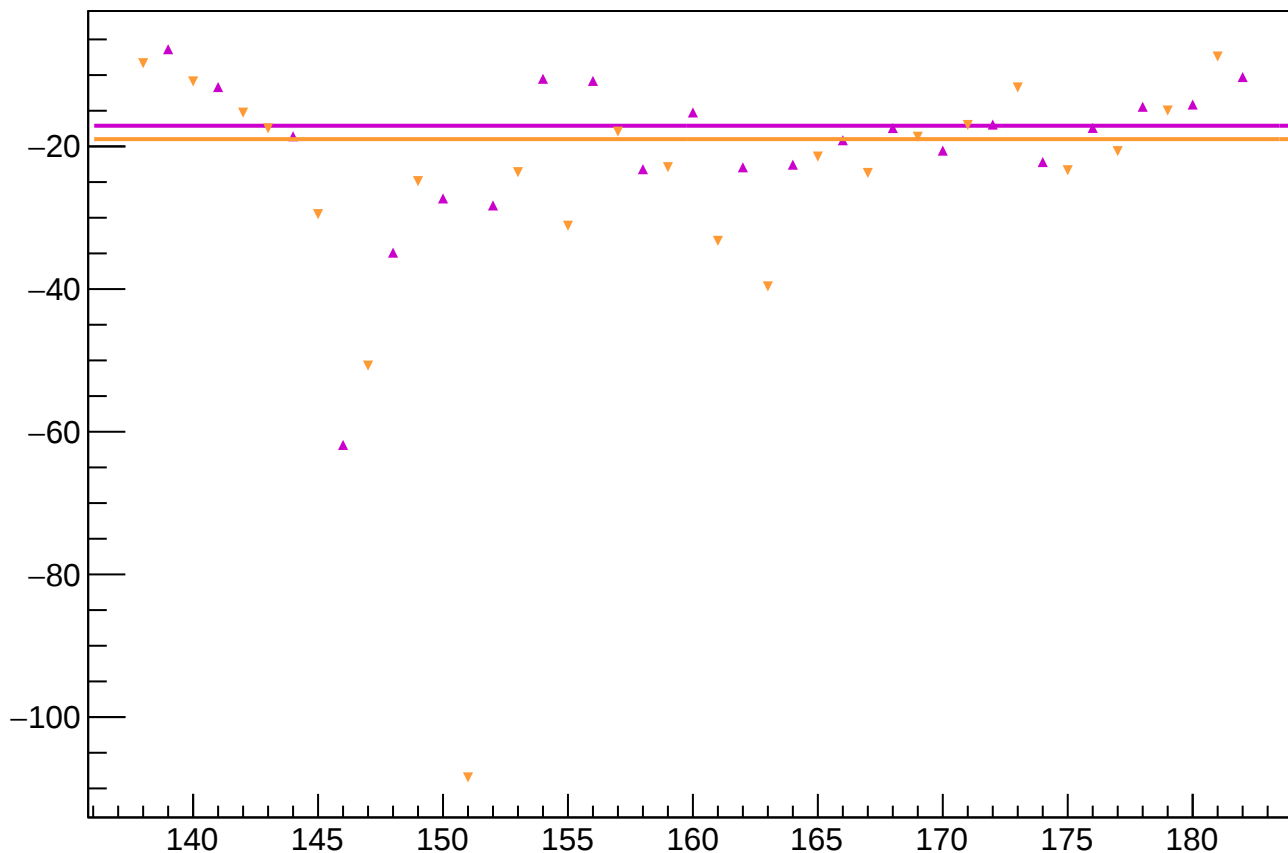
Right: 0.212 $\pm$ 0.003 χ^2 /NDF: 1668.1/35

In: 0.098 $\pm$ 0.001 χ^2 /NDF:4931.0/38

Out: 0.124 $\pm$ 0.002 χ^2 /NDF:6045.4/41

All: 0.110 $\pm$ 0.001 χ^2 /NDF: 11128.8/80

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



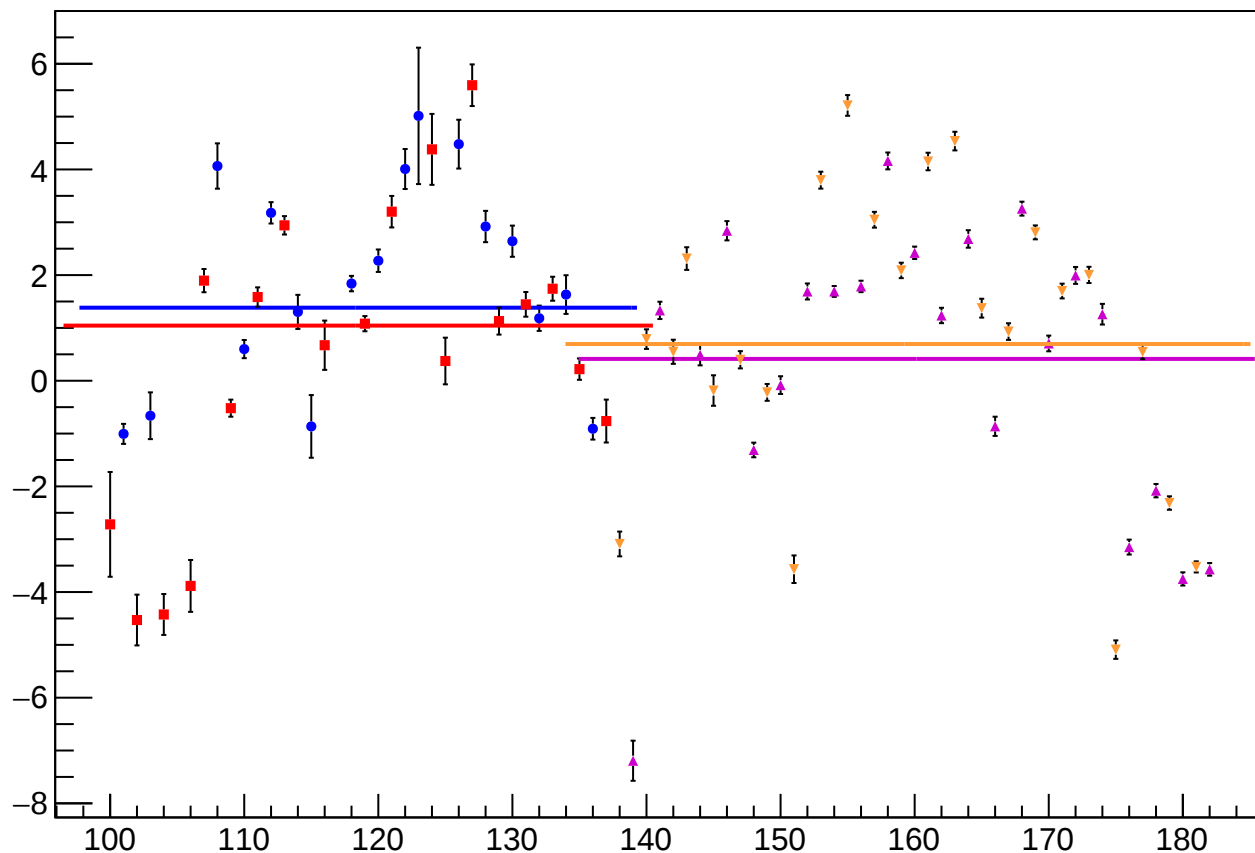
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -18.980 $\pm$ 0.041 χ^2 /NDF:83469.0/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -17.101 $\pm$ 0.039 χ^2 /NDF:43519.8/21

Left: -17.974 $\pm$ 0.028 χ^2 /NDF: 128091.3/44
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -17.101 $\pm$ 0.039 χ^2 /NDF:43519.8/21
 Out: -18.980 $\pm$ 0.041 χ^2 /NDF:83469.0/22

All: -17.974 $\pm$ 0.028 χ^2 /NDF: 128091.3/44

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Left: 0.542 $\pm$ 0.023 χ^2/NDF : 12568.5/44

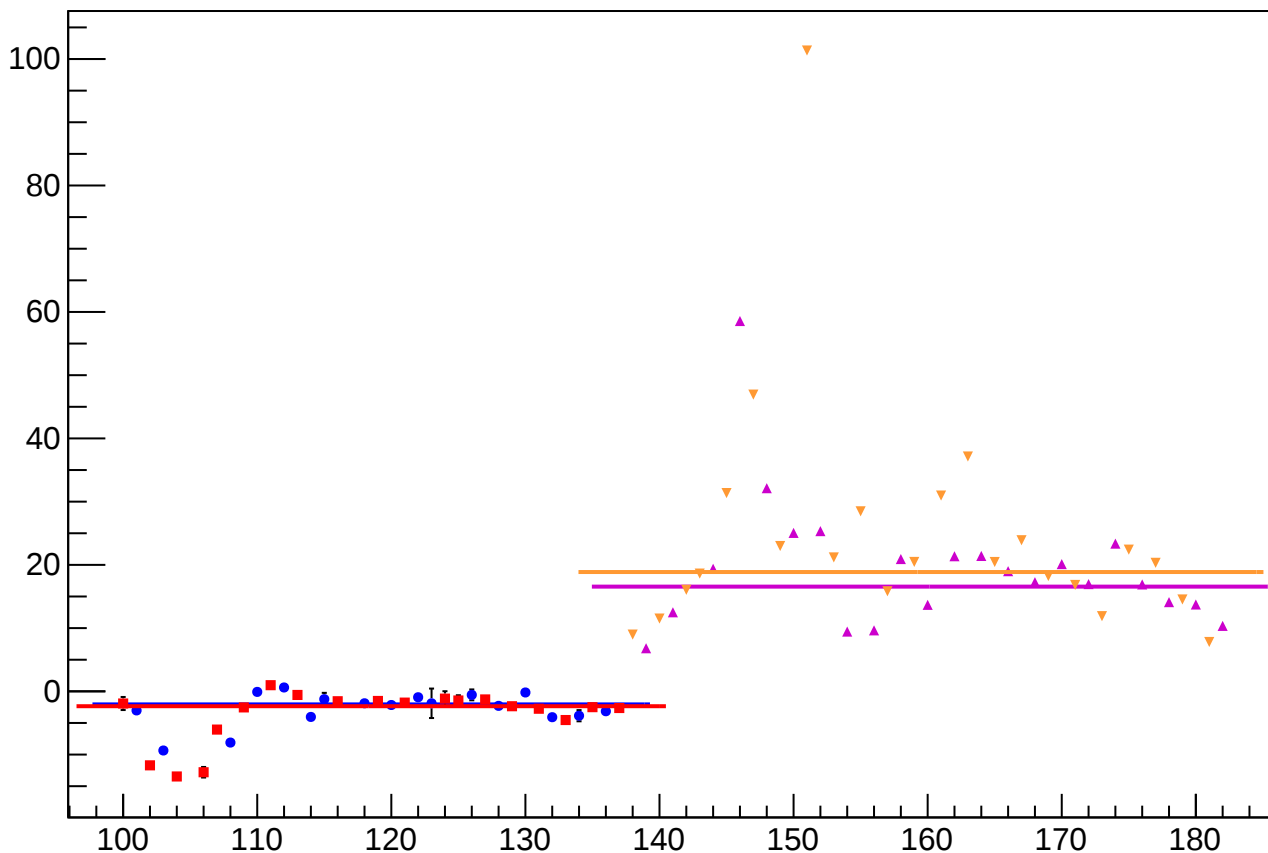
Right: 1.202 $\pm$ 0.042 χ^2/NDF : 1595.3/35

In: 0.607 $\pm$ 0.028 χ^2/NDF : 6921.2/38

Out: 0.784 $\pm$ 0.029 χ^2/NDF : 7412.9/41

All: 0.691 $\pm$ 0.020 χ^2/NDF : 14353.5/80

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.066 ± 0.111 χ^2/NDF : 450.1/16

Left Out: 18.869 ± 0.041 χ^2/NDF : 73593.5/22

Right Out: -2.353 ± 0.098 χ^2/NDF : 894.9/18

Left In: 16.561 ± 0.038 χ^2/NDF : 40470.7/21

Left: 17.620 ± 0.028 χ^2/NDF : 115747.7/44

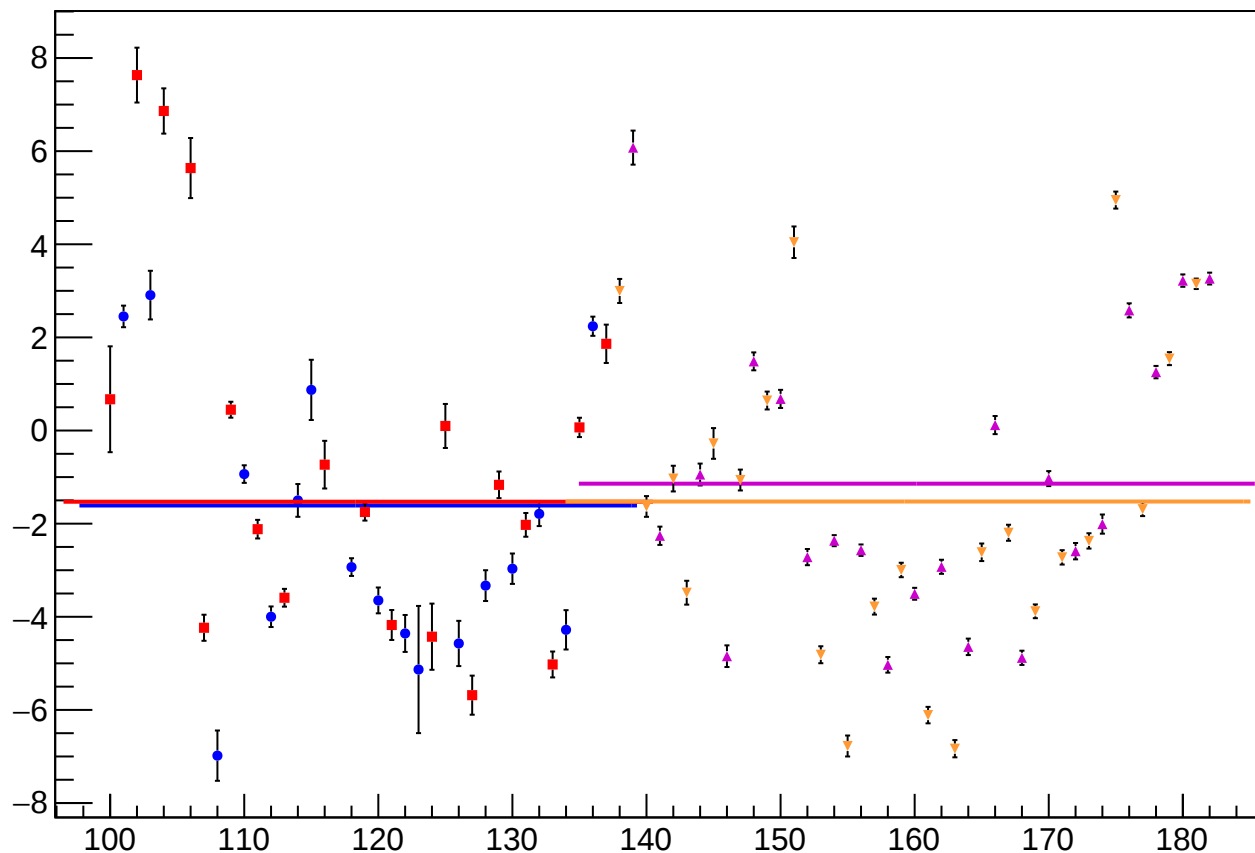
Right: -2.226 ± 0.074 χ^2/NDF : 1348.7/35

In: 14.596 ± 0.036 χ^2/NDF : 66121.0/38

Out: 15.681 ± 0.038 χ^2/NDF : 114004.4/41

All: 15.108 ± 0.026 χ^2/NDF : 180552.4/80

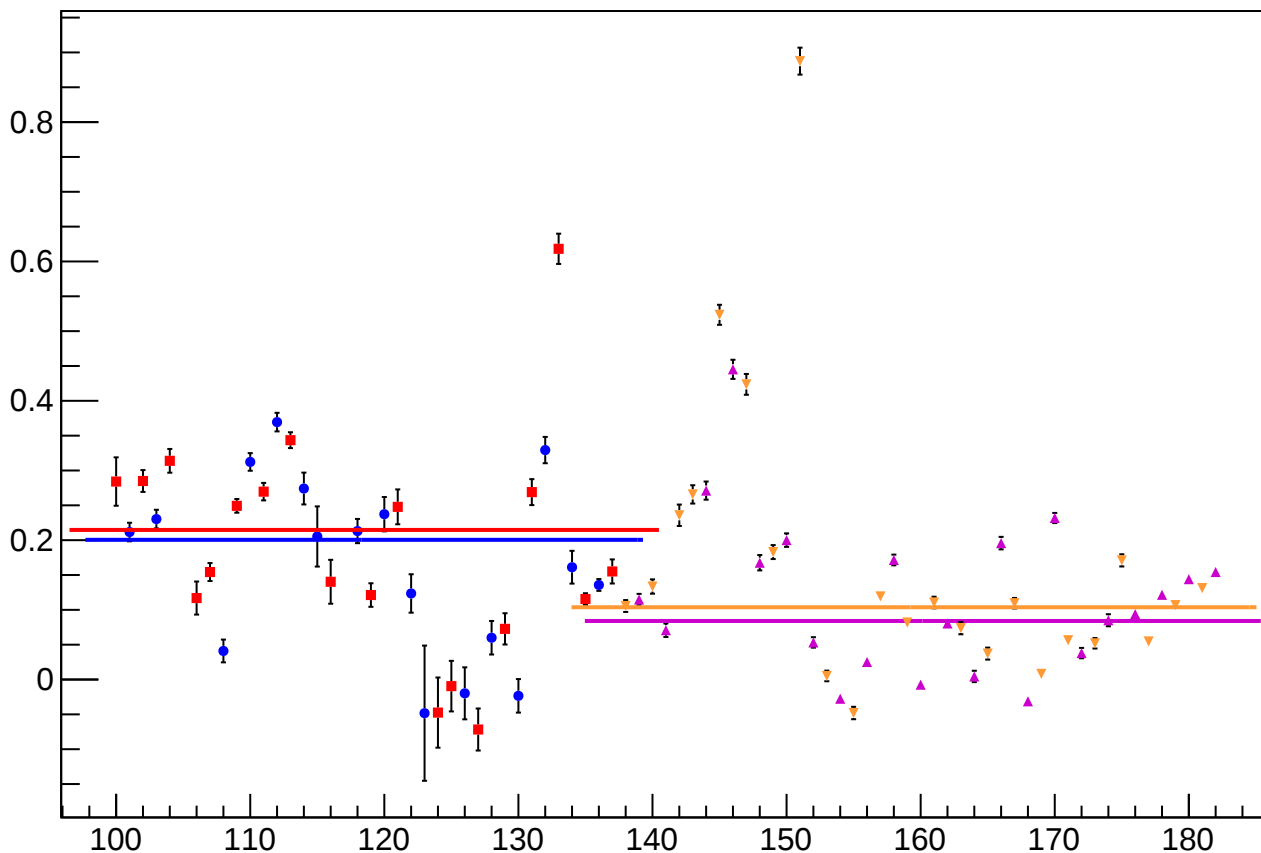
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.610 ± 0.071 $\chi^2/\text{NDF}: 1253.3/16$
 Left Out: -1.524 ± 0.038 $\chi^2/\text{NDF}: 7274.9/22$
 Right Out: -1.529 ± 0.065 $\chi^2/\text{NDF}: 1507.9/18$
 Left In: -1.141 ± 0.034 $\chi^2/\text{NDF}: 6605.1/21$

Left: -1.316 ± 0.025 $\chi^2/\text{NDF}: 13936.6/44$
 Right: -1.566 ± 0.048 $\chi^2/\text{NDF}: 2761.9/35$
 In: -1.230 ± 0.031 $\chi^2/\text{NDF}: 7893.7/38$
 Out: -1.525 ± 0.033 $\chi^2/\text{NDF}: 8782.8/41$
 All: -1.370 ± 0.022 $\chi^2/\text{NDF}: 16719.7/80$

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 630.5/16

Left Out: 0.104 $\pm$ 0.002 χ^2 /NDF:4243.0/22

Right Out: 0.215 $\pm$ 0.004 χ^2 /NDF: 999.0/18

Left In: 0.084 $\pm$ 0.002 χ^2 /NDF:3523.3/21

Left: 0.093 $\pm$ 0.001 χ^2 /NDF: 7841.8/44

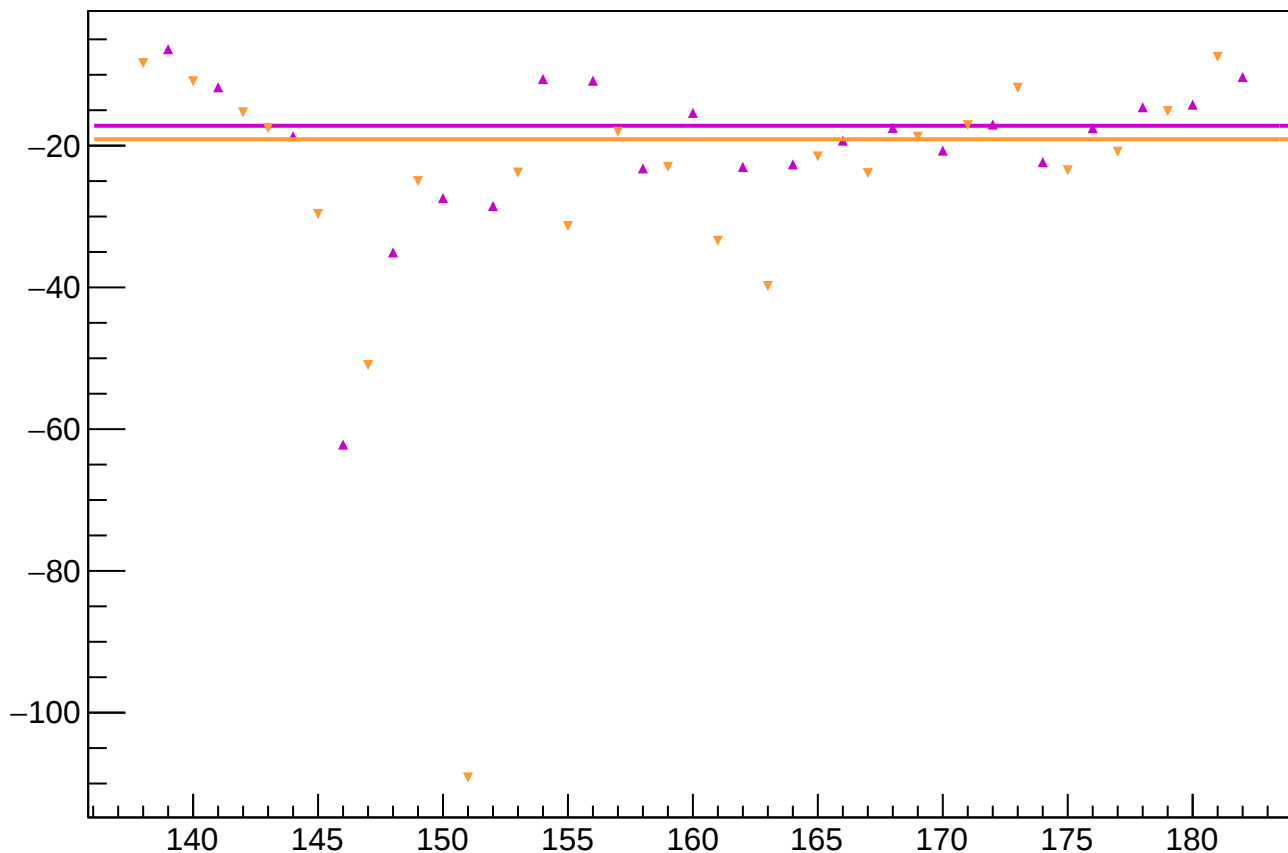
Right: 0.208 $\pm$ 0.003 χ^2 /NDF: 1636.0/35

In: 0.098 $\pm$ 0.001 χ^2 /NDF:4852.2/38

Out: 0.123 $\pm$ 0.002 χ^2 /NDF:5993.6/41

All: 0.109 $\pm$ 0.001 χ^2 /NDF: 10991.7/80

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -19.099 $\pm$ 0.042 χ^2 /NDF:83564.9/22

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

Left In: -17.192 $\pm$ 0.039 χ^2 /NDF:43596.6/21

Left: -18.078 $\pm$ 0.028 χ^2 /NDF: 128287.8/44

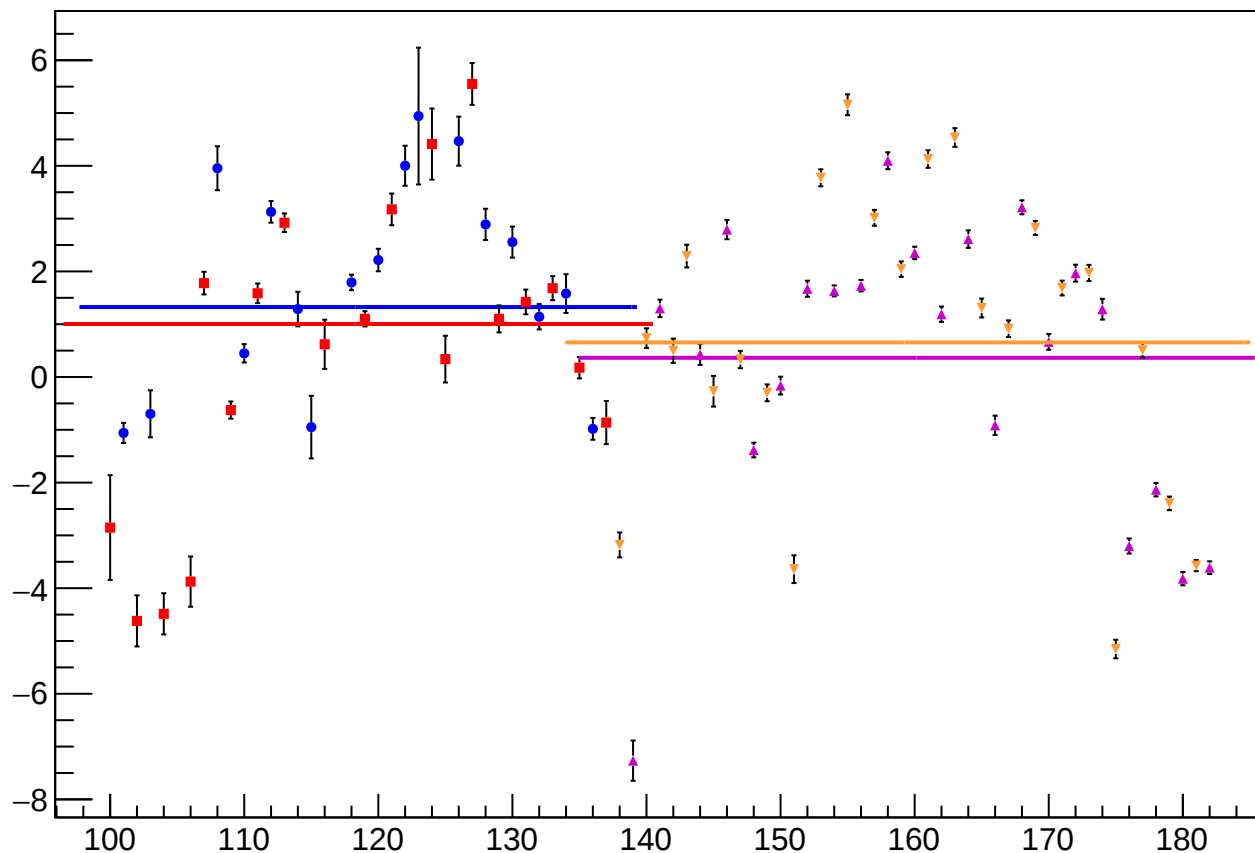
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -17.192 $\pm$ 0.039 χ^2 /NDF:43596.6/21

Out: -19.099 $\pm$ 0.042 χ^2 /NDF:83564.9/22

All: -18.078 $\pm$ 0.028 χ^2 /NDF: 128287.8/44

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.325 $\pm$ 0.062 χ^2 /NDF: 637.1/16

Left Out: 0.655 $\pm$ 0.034 χ^2 /NDF:6459.3/22

Right Out: 1.004 $\pm$ 0.058 χ^2 /NDF: 957.8/18

Left In: 0.364 $\pm$ 0.031 χ^2 /NDF:6058.3/21

Left: 0.496 $\pm$ 0.023 χ^2 /NDF: 12557.8/44

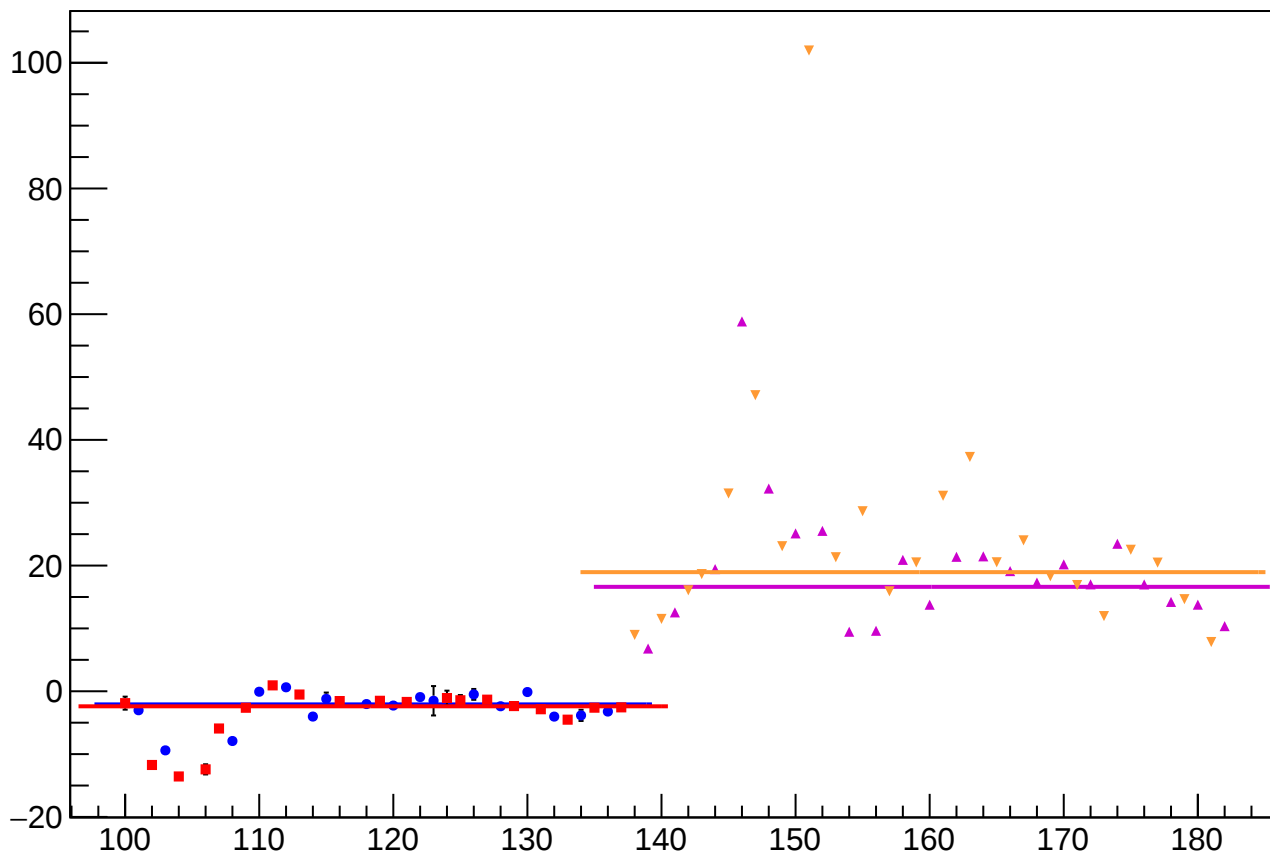
Right: 1.154 $\pm$ 0.042 χ^2 /NDF: 1609.2/35

In: 0.555 $\pm$ 0.028 χ^2 /NDF:6887.5/38

Out: 0.744 $\pm$ 0.029 χ^2 /NDF:7444.1/41

All: 0.645 $\pm$ 0.020 χ^2 /NDF: 14353.5/80

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.090 ± 0.112 χ^2/NDF : 449.1/16

Left Out: 18.954 ± 0.042 χ^2/NDF : 73677.2/22

Right Out: -2.395 ± 0.099 χ^2/NDF : 889.1/18

Left In: 16.615 ± 0.038 χ^2/NDF : 40553.5/21

Left: 17.688 ± 0.028 χ^2/NDF : 115944.9/44

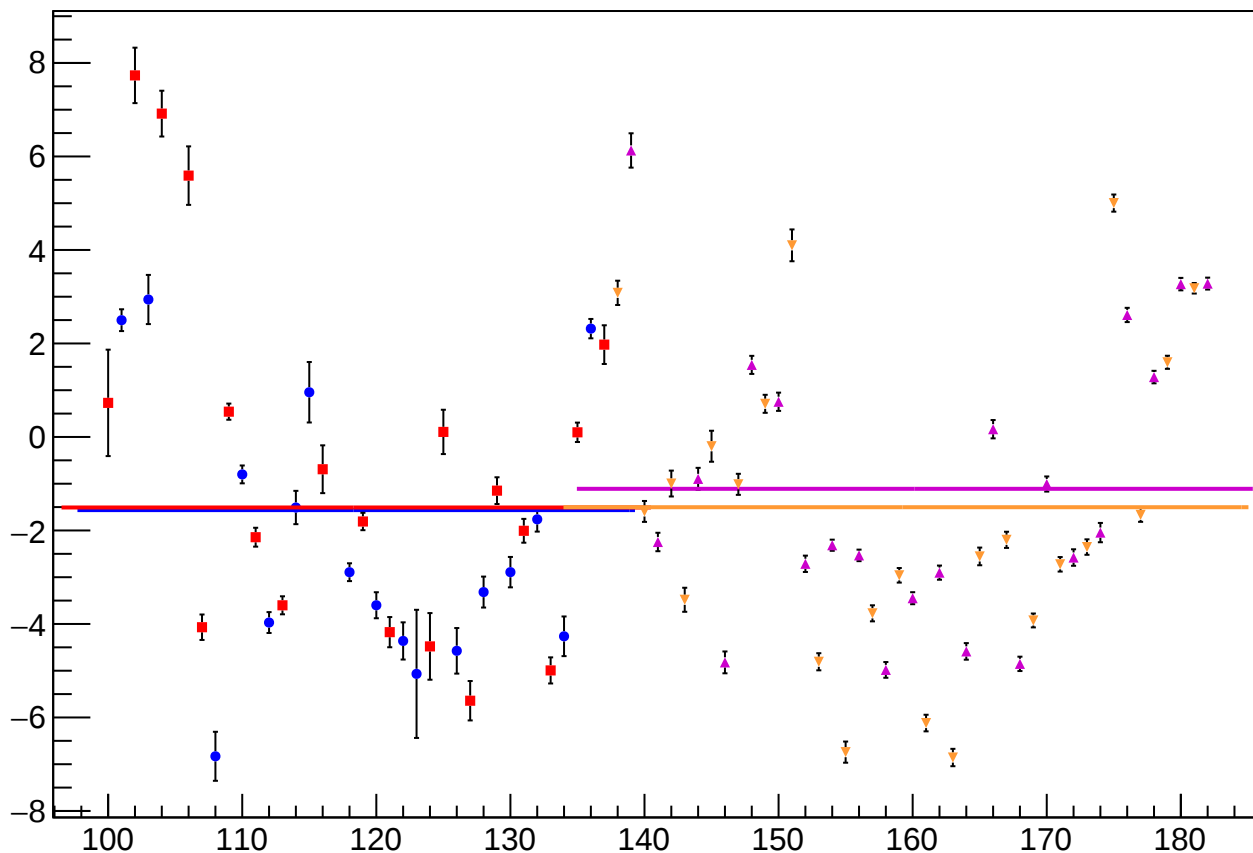
Right: -2.261 ± 0.074 χ^2/NDF : 1342.3/35

In: 14.648 ± 0.036 χ^2/NDF : 66153.9/38

Out: 15.749 ± 0.038 χ^2/NDF : 114172.1/41

All: 15.167 ± 0.026 χ^2/NDF : 180762.9/80

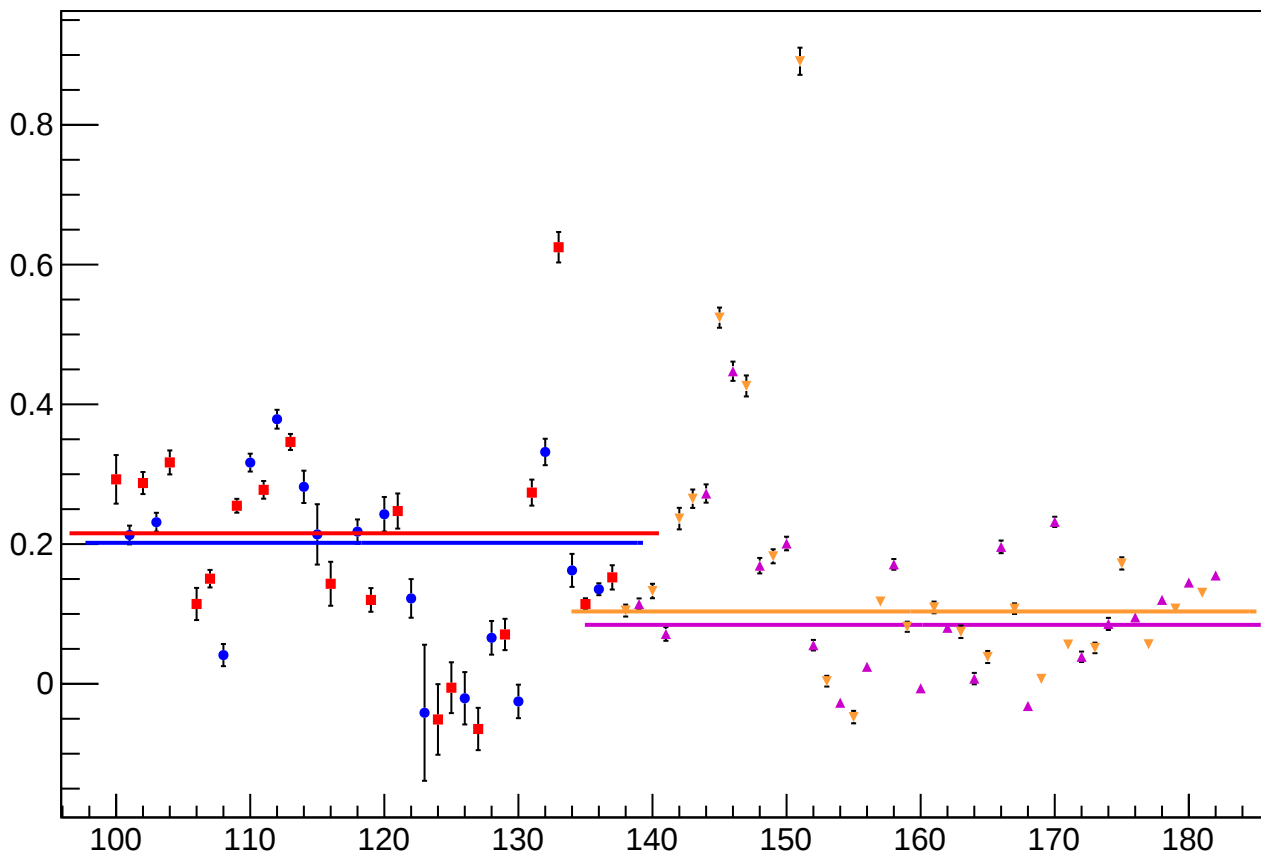
reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.565 ± 0.071 $\chi^2/\text{NDF}: 1258.1/16$
 Left Out: -1.503 ± 0.038 $\chi^2/\text{NDF}: 7299.8/22$
 Right Out: -1.508 ± 0.066 $\chi^2/\text{NDF}: 1518.8/18$
 Left In: -1.109 ± 0.034 $\chi^2/\text{NDF}: 6558.4/21$

Left: -1.288 ± 0.025 $\chi^2/\text{NDF}: 13917.5/44$
 Right: -1.534 ± 0.048 $\chi^2/\text{NDF}: 2777.2/35$
 In: -1.196 ± 0.031 $\chi^2/\text{NDF}: 7849.7/38$
 Out: -1.504 ± 0.033 $\chi^2/\text{NDF}: 8818.6/41$
 All: -1.342 ± 0.023 $\chi^2/\text{NDF}: 16715.0/80$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.004 χ^2/NDF : 658.6/16

Left Out: 0.104 ± 0.002 χ^2/NDF : 4225.8/22

Right Out: 0.215 ± 0.004 χ^2/NDF : 1031.4/18

Left In: 0.084 ± 0.002 χ^2/NDF : 3500.7/21

Left: 0.093 ± 0.001 χ^2/NDF : 7797.4/44

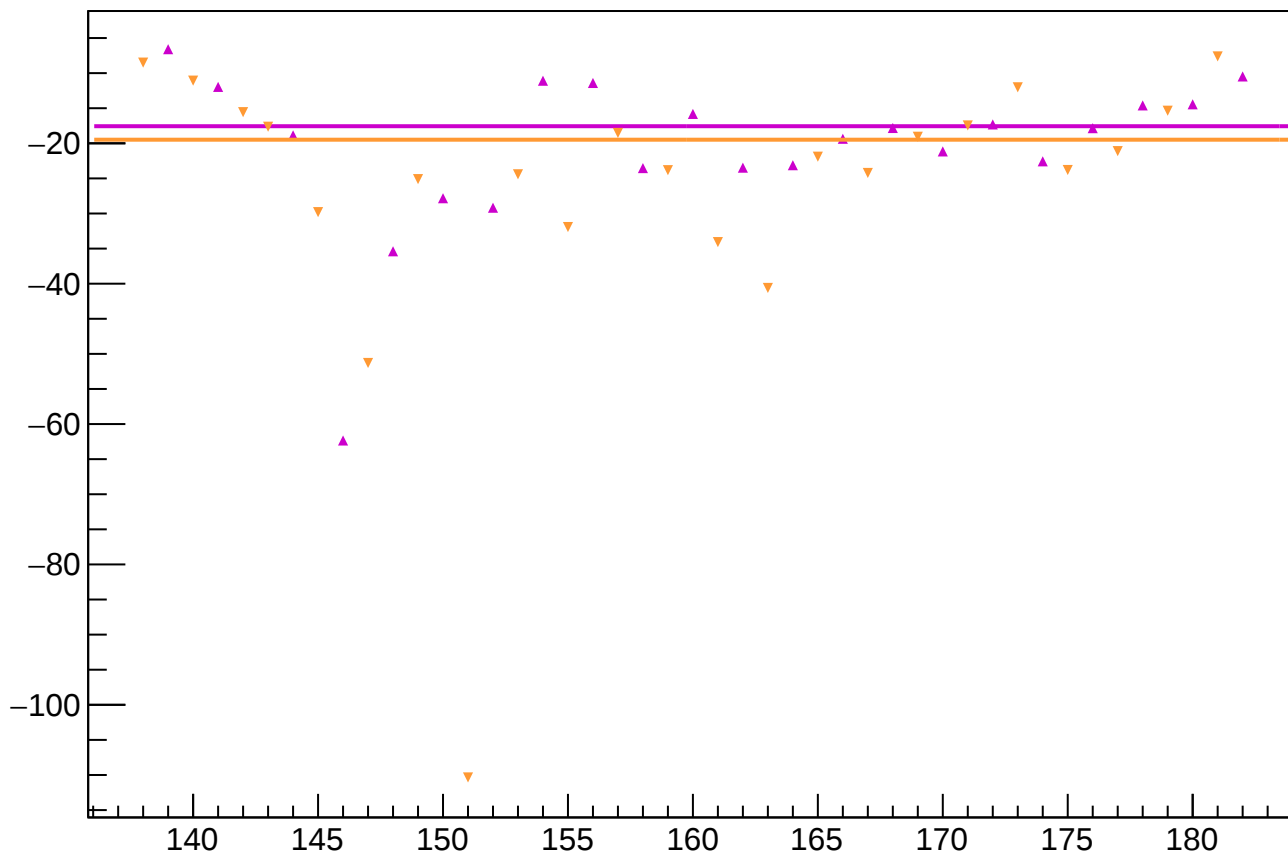
Right: 0.209 ± 0.003 χ^2/NDF : 1696.1/35

In: 0.098 ± 0.001 χ^2/NDF : 4864.2/38

Out: 0.123 ± 0.002 χ^2/NDF : 6017.8/41

All: 0.110 ± 0.001 χ^2/NDF : 11022.3/80

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: -19.485+/-0.043 χ^2/NDF :82932.3/22

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

Left In: -17.563+/-0.040 χ^2/NDF :42645.6/21

Left: -18.457+/-0.029 χ^2/NDF : 126671.5/44

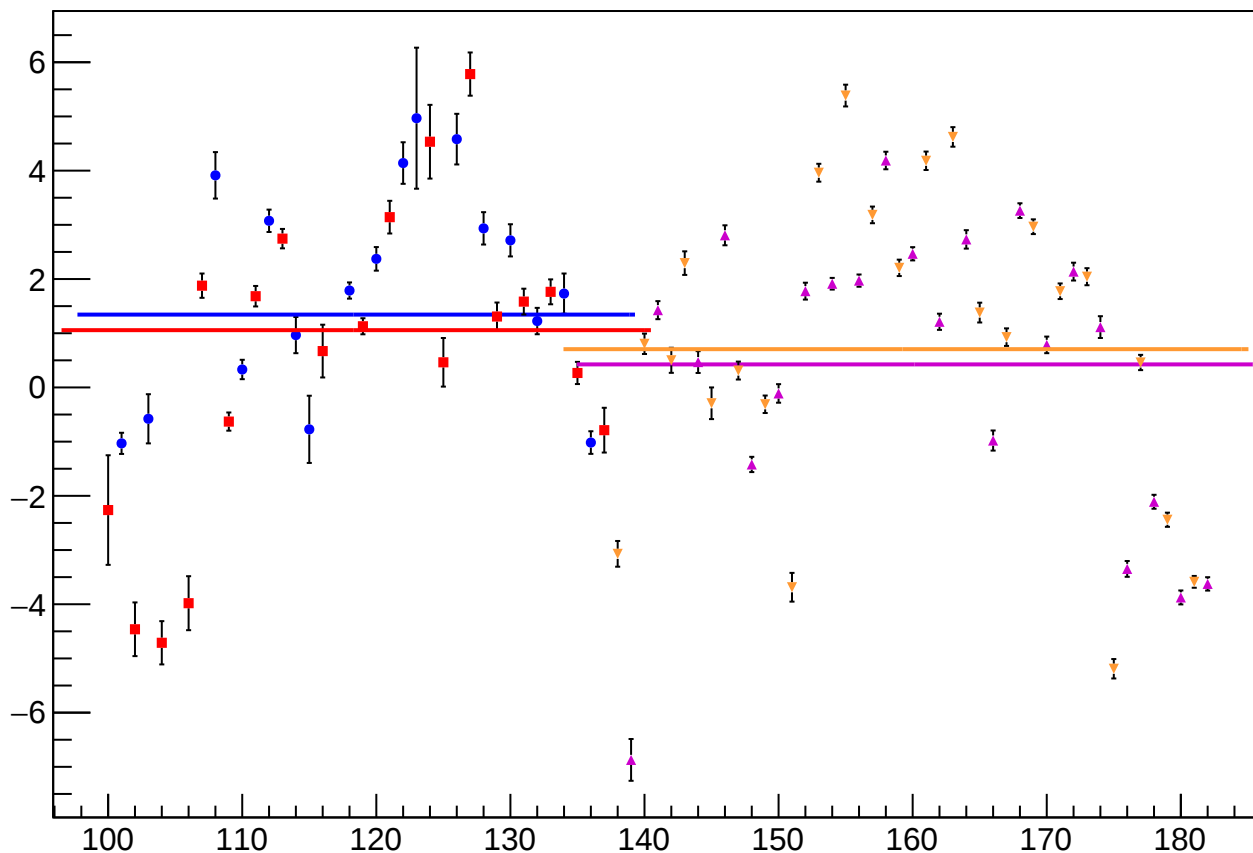
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.563+/-0.040 χ^2/NDF :42645.6/21

Out: -19.485+/-0.043 χ^2/NDF :82932.3/22

All: -18.457+/-0.029 χ^2/NDF : 126671.5/44

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.344 $\pm$ 0.063 χ^2/NDF : 636.3/16

Left Out: 0.706 $\pm$ 0.035 χ^2/NDF : 6452.0/22

Right Out: 1.057 $\pm$ 0.059 χ^2/NDF : 927.5/18

Left In: 0.425 $\pm$ 0.032 χ^2/NDF : 6094.1/21

Left: 0.553 $\pm$ 0.023 χ^2/NDF : 12581.9/44

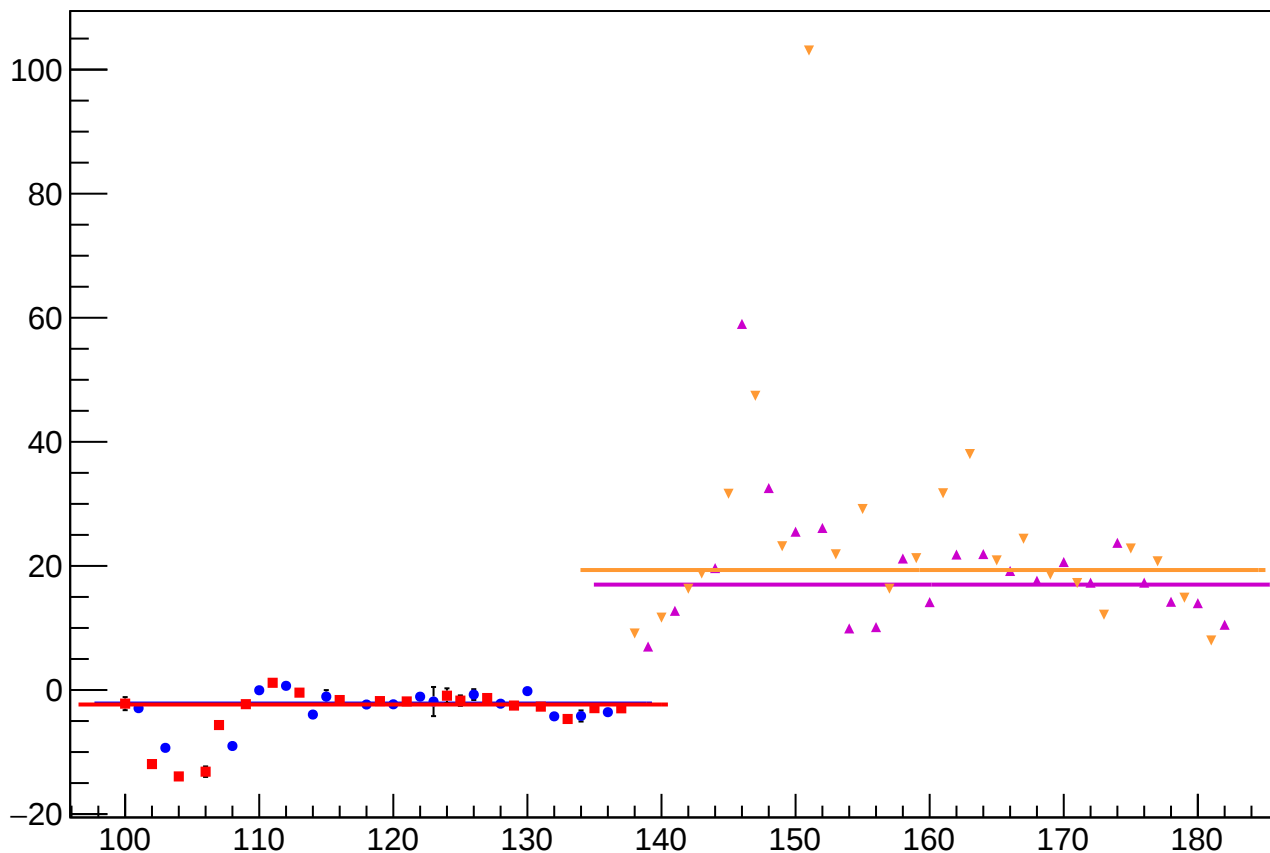
Right: 1.191 $\pm$ 0.043 χ^2/NDF : 1574.8/35

In: 0.610 $\pm$ 0.028 χ^2/NDF : 6899.2/38

Out: 0.796 $\pm$ 0.030 χ^2/NDF : 7405.6/41

All: 0.698 $\pm$ 0.021 χ^2/NDF : 14325.0/80

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.181 ± 0.114 χ^2/NDF : 472.4/16

Left Out: 19.338 ± 0.042 χ^2/NDF : 73067.5/22

Right Out: -2.337 ± 0.101 χ^2/NDF : 910.1/18

Left In: 16.988 ± 0.039 χ^2/NDF : 39470.2/21

Left: 18.068 ± 0.029 χ^2/NDF : 114191.7/44

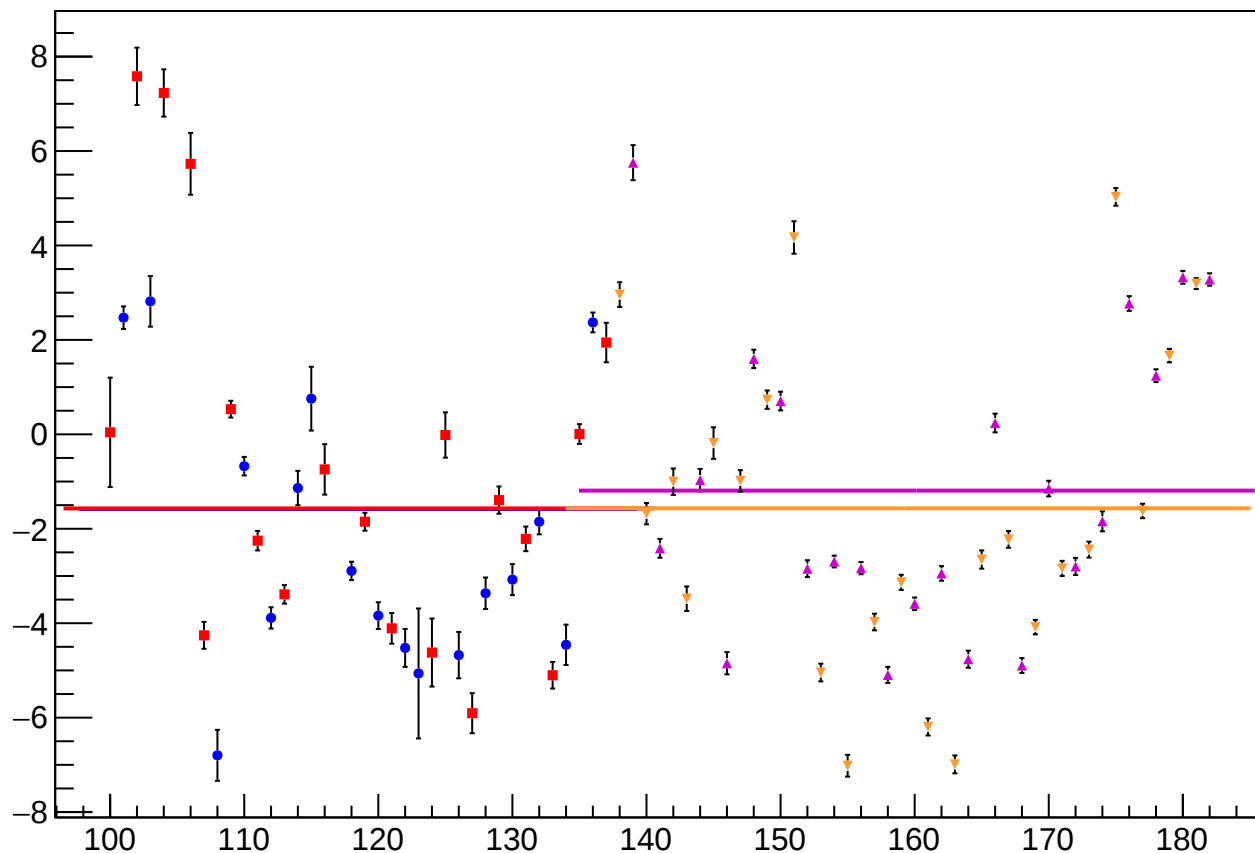
Right: -2.268 ± 0.075 χ^2/NDF : 1383.5/35

In: 14.950 ± 0.037 χ^2/NDF : 65397.7/38

Out: 16.079 ± 0.039 χ^2/NDF : 113111.1/41

All: 15.483 ± 0.027 χ^2/NDF : 178947.7/80

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.581 ± 0.073 χ^2/NDF : 1247.7/16

Left Out: -1.567 ± 0.039 χ^2/NDF : 7293.4/22

Right Out: -1.570 ± 0.067 χ^2/NDF : 1477.5/18

Left In: -1.192 ± 0.035 χ^2/NDF : 6593.1/21

Left: -1.363 ± 0.026 χ^2/NDF : 13938.0/44

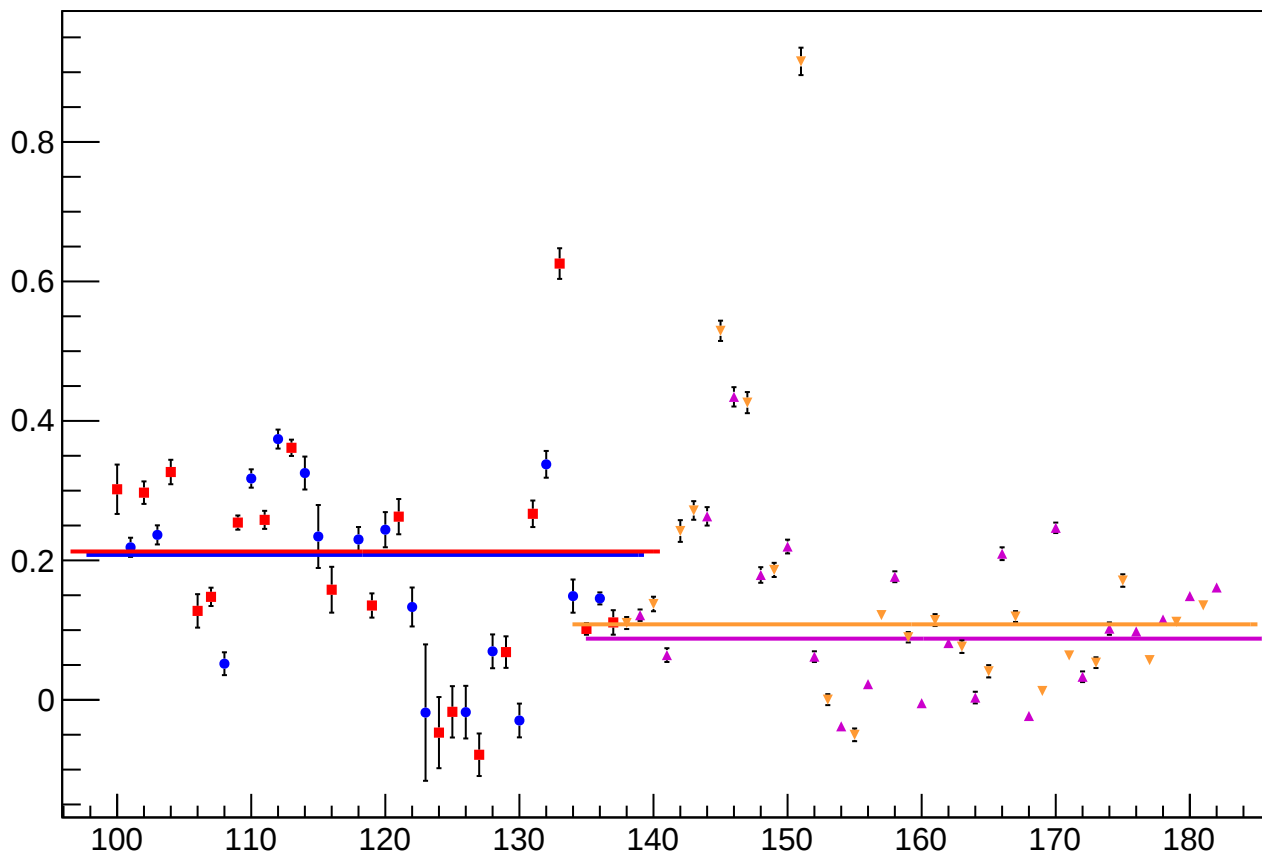
Right: -1.575 ± 0.049 χ^2/NDF : 2725.2/35

In: -1.267 ± 0.032 χ^2/NDF : 7864.0/38

Out: -1.568 ± 0.033 χ^2/NDF : 8771.0/41

All: -1.410 ± 0.023 χ^2/NDF : 16677.8/80

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.208 $\pm$ 0.004 χ^2 /NDF: 624.0/16

Left Out: 0.108 $\pm$ 0.002 χ^2 /NDF:4249.3/22

Right Out: 0.213 $\pm$ 0.004 χ^2 /NDF: 1097.2/18

Left In: 0.088 $\pm$ 0.002 χ^2 /NDF:3581.1/21

Left: 0.097 $\pm$ 0.001 χ^2 /NDF: 7908.0/44

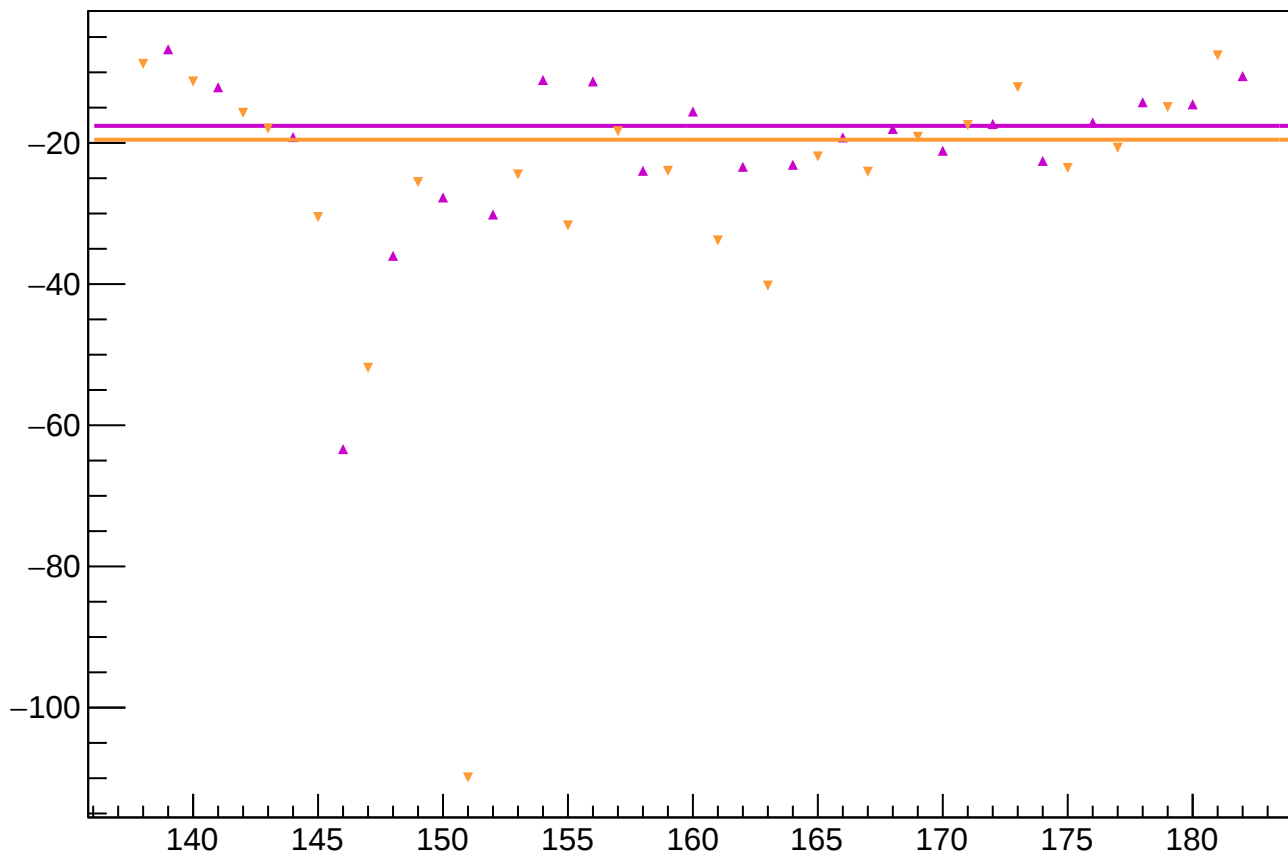
Right: 0.211 $\pm$ 0.003 χ^2 /NDF: 1721.9/35

In: 0.102 $\pm$ 0.001 χ^2 /NDF:4916.0/38

Out: 0.127 $\pm$ 0.002 χ^2 /NDF:5982.6/41

All: 0.113 $\pm$ 0.001 χ^2 /NDF: 11028.2/80

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -19.544 $\pm$ 0.043 χ^2 /NDF:81626.7/22

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

Left In: -17.580 $\pm$ 0.040 χ^2 /NDF:42992.6/21

Left: -18.494 $\pm$ 0.029 χ^2 /NDF: 125742.1/44

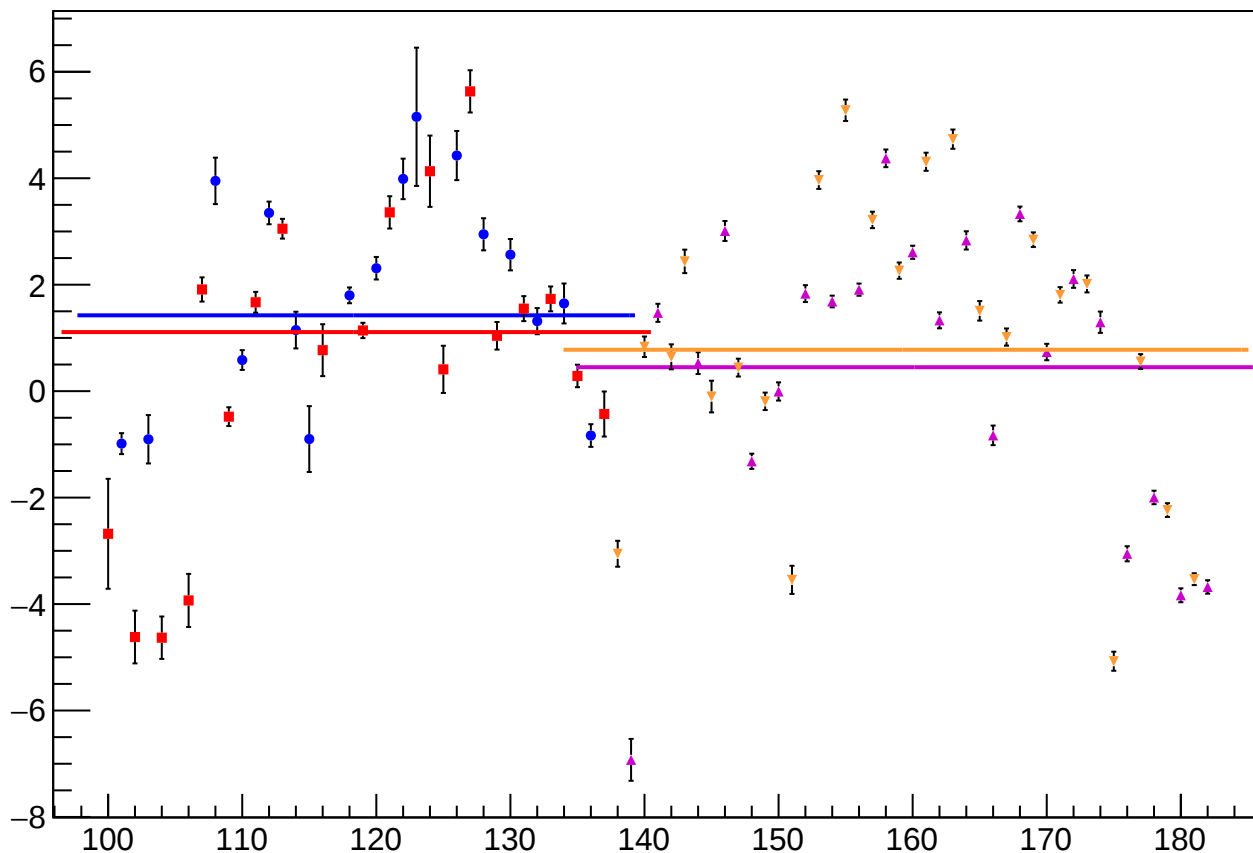
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -17.580 $\pm$ 0.040 χ^2 /NDF:42992.6/21

Out: -19.544 $\pm$ 0.043 χ^2 /NDF:81626.7/22

All: -18.494 $\pm$ 0.029 χ^2 /NDF: 125742.1/44

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.425 $\pm$ 0.064 χ^2 /NDF: 599.8/16

Left Out: 0.778 $\pm$ 0.035 χ^2 /NDF:6205.4/22

Right Out: 1.110 $\pm$ 0.060 χ^2 /NDF: 915.7/18

Left In: 0.450 $\pm$ 0.032 χ^2 /NDF:5927.2/21

Left: 0.600 $\pm$ 0.024 χ^2 /NDF: 12180.6/44

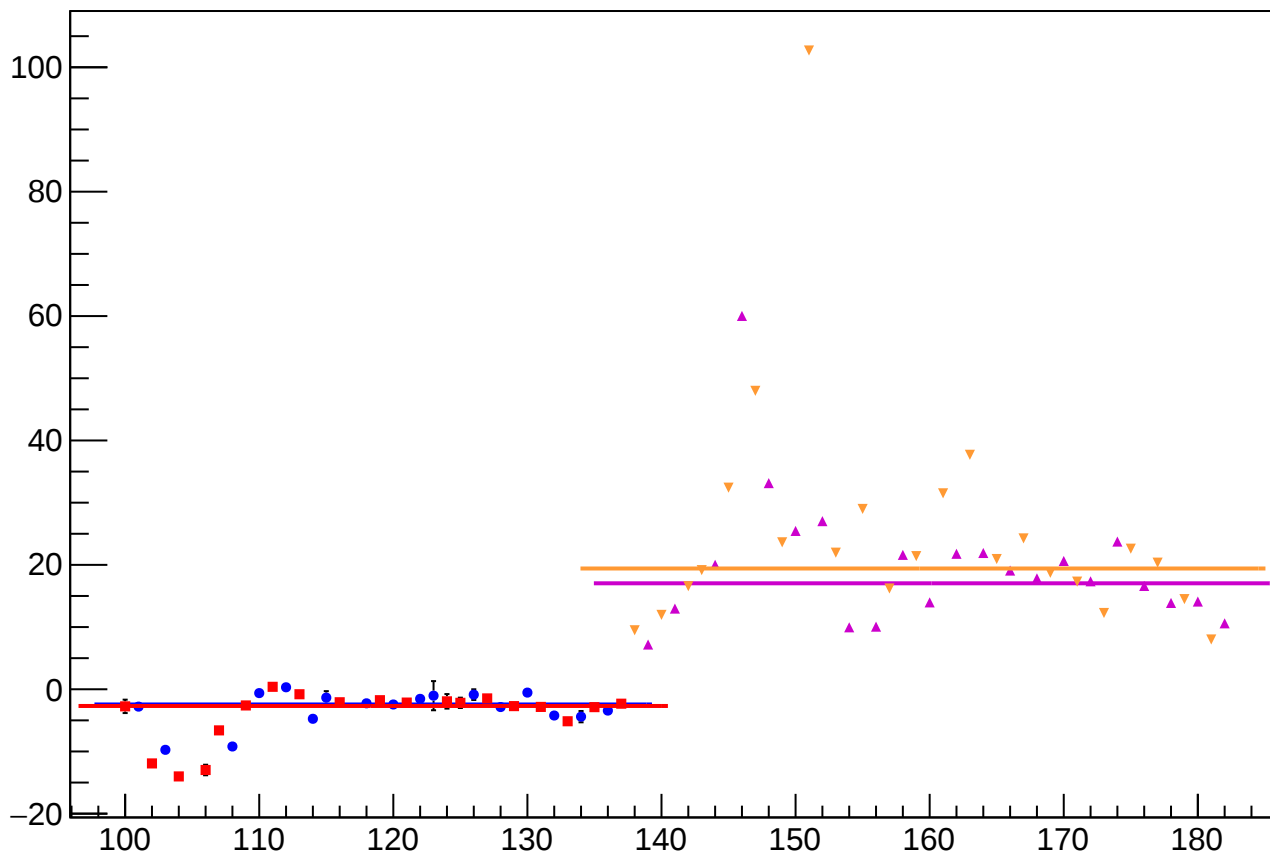
Right: 1.258 $\pm$ 0.044 χ^2 /NDF: 1528.5/35

In: 0.647 $\pm$ 0.029 χ^2 /NDF:6713.7/38

Out: 0.862 $\pm$ 0.030 χ^2 /NDF:7144.1/41

All: 0.749 $\pm$ 0.021 χ^2 /NDF: 13884.6/80

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.446+/-0.115 χ^2/NDF : 426.7/16

Left Out: 19.416+/-0.043 χ^2/NDF : 72048.1/22

Right Out: -2.686+/-0.103 χ^2/NDF : 831.5/18

Left In: 17.037+/-0.040 χ^2/NDF : 39858.7/21

Left: 18.131+/-0.029 χ^2/NDF : 113573.9/44

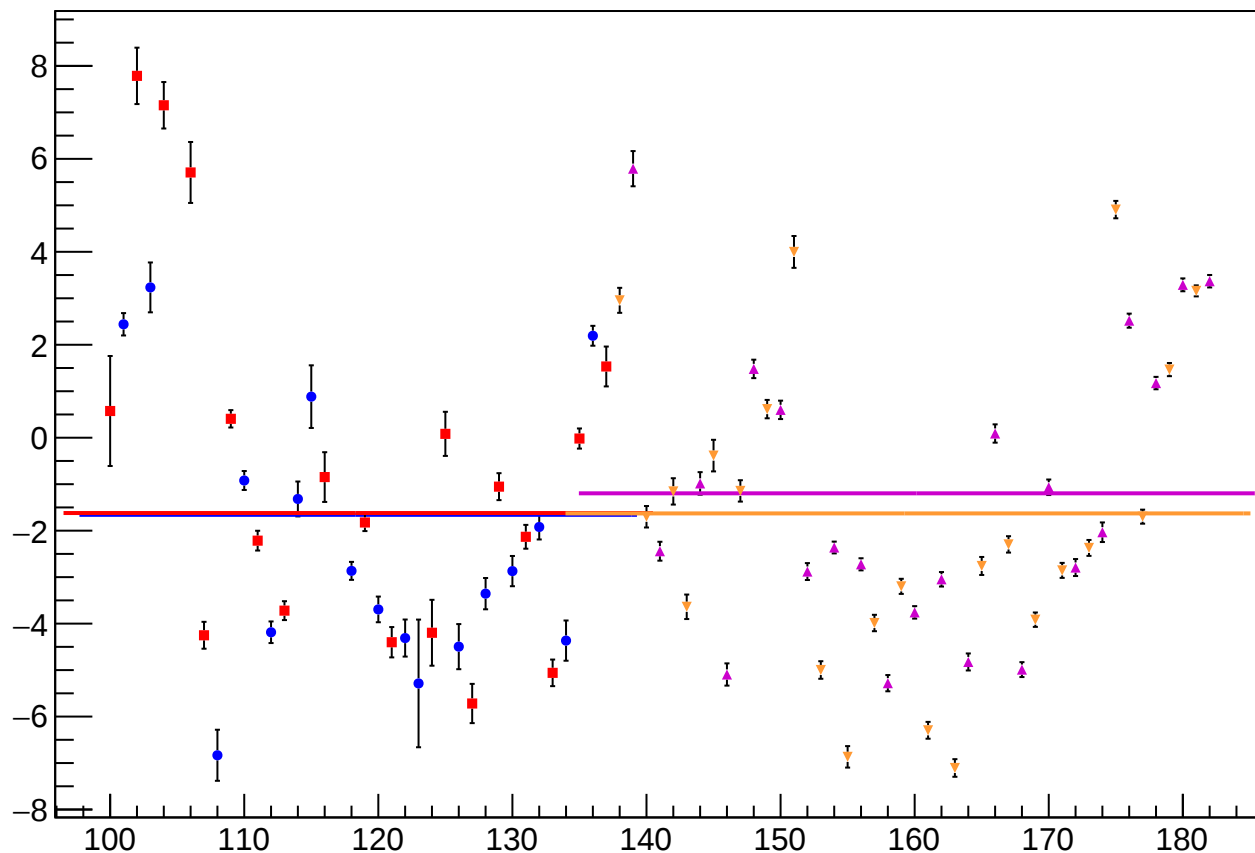
Right: -2.579+/-0.077 χ^2/NDF : 1260.6/35

In: 14.990+/-0.037 χ^2/NDF : 65837.0/38

Out: 16.170+/-0.040 χ^2/NDF : 112003.8/41

All: 15.547+/-0.027 χ^2/NDF : 178311.6/80

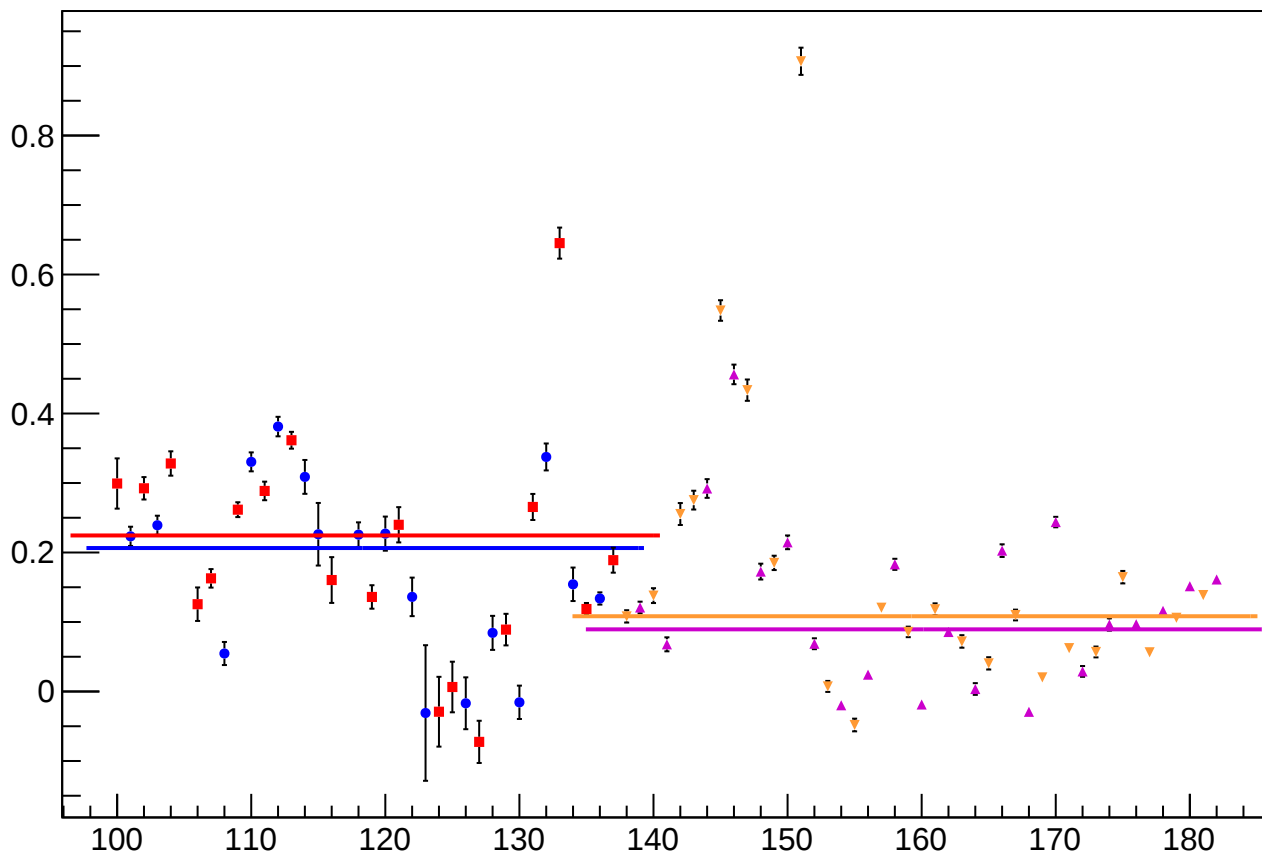
reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.659 ± 0.073 $\chi^2/\text{NDF}: 1190.9/16$
 Left Out: -1.629 ± 0.039 $\chi^2/\text{NDF}: 7036.0/22$
 Right Out: -1.620 ± 0.068 $\chi^2/\text{NDF}: 1448.8/18$
 Left In: -1.196 ± 0.036 $\chi^2/\text{NDF}: 6474.7/21$

Left: -1.394 ± 0.026 $\chi^2/\text{NDF}: 13577.9/44$
 Right: -1.638 ± 0.050 $\chi^2/\text{NDF}: 2639.8/35$
 In: -1.285 ± 0.032 $\chi^2/\text{NDF}: 7697.9/38$
 Out: -1.627 ± 0.034 $\chi^2/\text{NDF}: 8484.8/41$
 All: -1.447 ± 0.023 $\chi^2/\text{NDF}: 16236.6/80$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.206 $\pm$ 0.004 χ^2 /NDF: 625.2/16

Left Out: 0.108 $\pm$ 0.002 χ^2 /NDF:4225.5/22

Right Out: 0.225 $\pm$ 0.004 χ^2 /NDF: 995.0/18

Left In: 0.089 $\pm$ 0.002 χ^2 /NDF:3533.2/21

Left: 0.098 $\pm$ 0.001 χ^2 /NDF: 7823.3/44

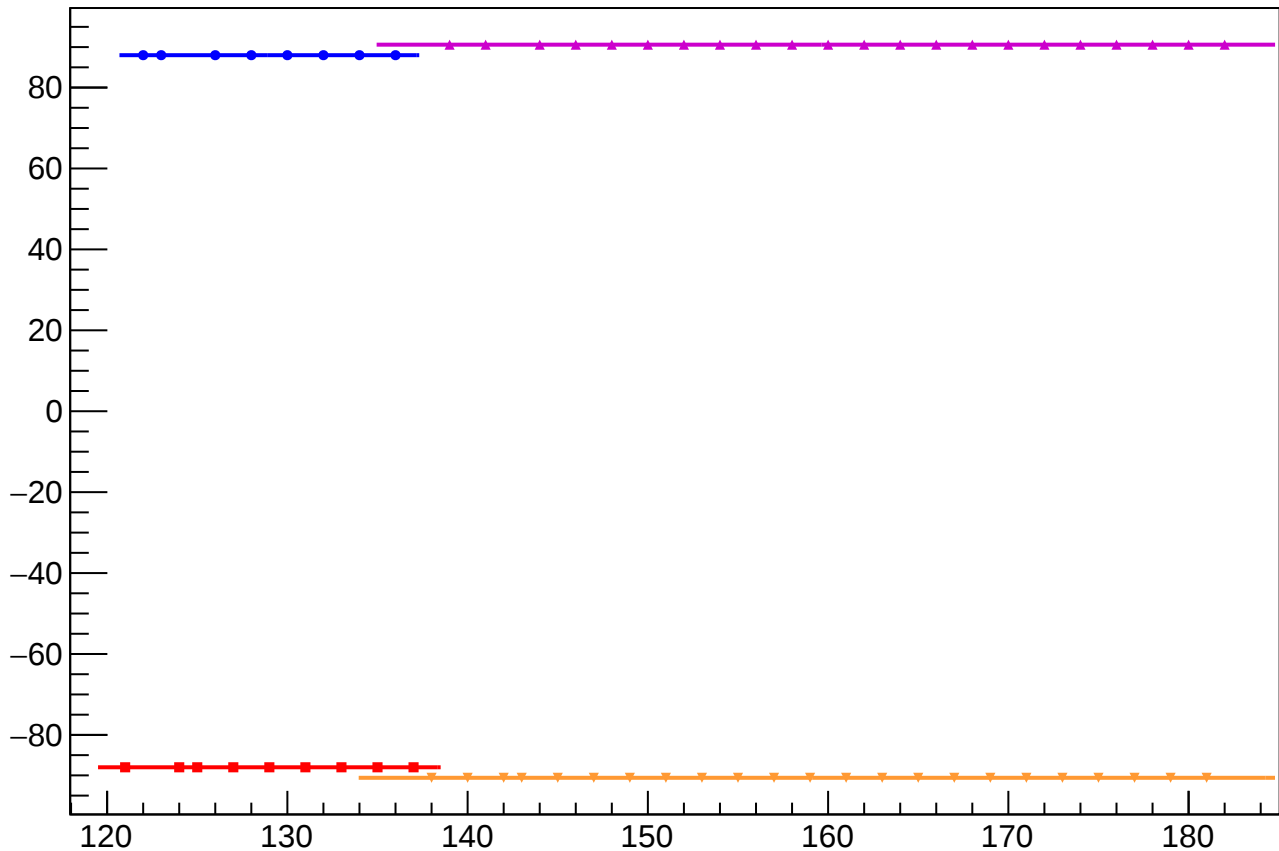
Right: 0.216 $\pm$ 0.003 χ^2 /NDF: 1630.1/35

In: 0.103 $\pm$ 0.001 χ^2 /NDF:4815.9/38

Out: 0.128 $\pm$ 0.002 χ^2 /NDF:5980.1/41

All: 0.115 $\pm$ 0.001 χ^2 /NDF: 10927.9/80

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF : 922500.3/7

Left Out: -90.599+/-0.000 χ^2/NDF : 7137260.1/22

Right Out: -88.001+/-0.000 χ^2/NDF : 211440.0/8

Left In: 90.599+/-0.000 χ^2/NDF : 5223799.0/21

Left: -0.556+/-0.000 χ^2/NDF : 29433614223346343

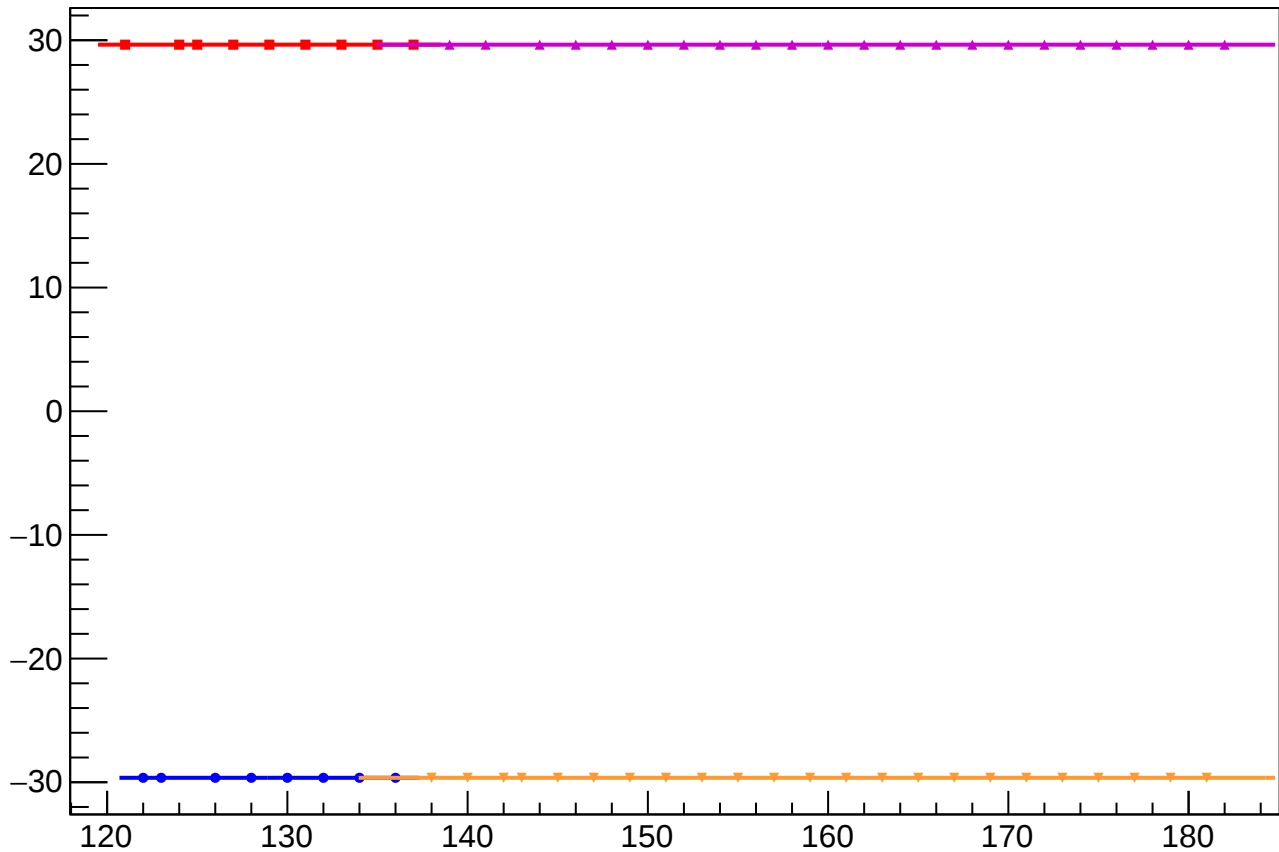
Right: 2.951+/-0.000 χ^2/NDF : 50744315280449915

In: 90.184+/-0.000 χ^2/NDF : 192328439792632462

Out: -90.211+/-0.000 χ^2/NDF : 1820672808175720

All: -0.013+/-0.000 χ^2/NDF : 3451486649282

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641+/-0.000 χ^2/NDF : 433709.4/7

Left Out: -29.641+/-0.000 χ^2/NDF : 331069.1/22

Right Out: 29.641+/-0.000 χ^2/NDF : 61505.9/8

Left In: 29.641+/-0.000 χ^2/NDF : 379688.2/21

Left: -0.182+/-0.000 χ^2/NDF : 31504380361623548

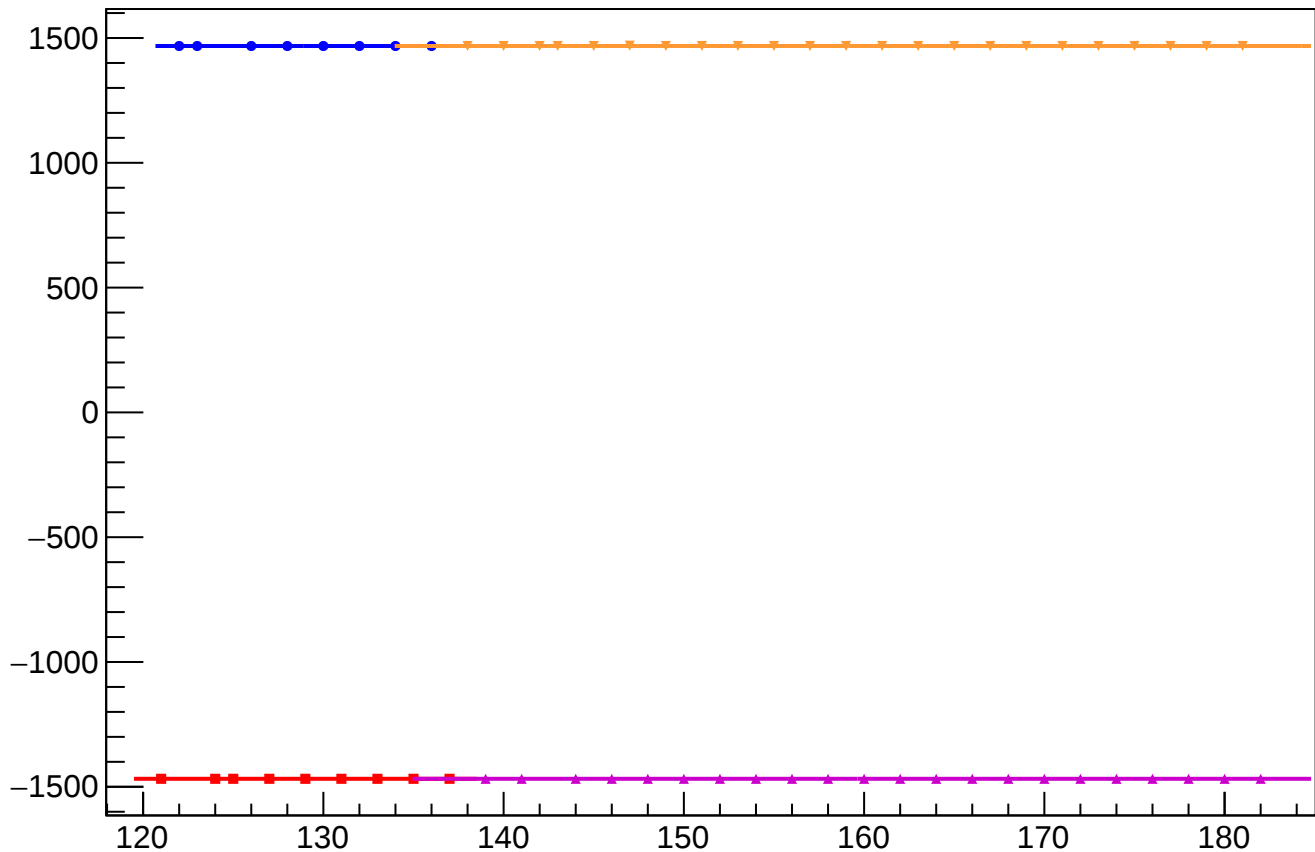
Right: -0.994+/-0.000 χ^2/NDF : 5756945466469310

In: 20.166+/-0.000 χ^2/NDF : 100093004084718091

Out: -20.781+/-0.000 χ^2/NDF : 9475281503981071

All: -0.307+/-0.000 χ^2/NDF : 3726498407333

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000

χ^2/NDF : 426876894.9/7

Left Out: 1468.051+/-0.000

χ^2/NDF : 127670220737843143927096745656320.0/22

Right Out: -1467.979+/-0.000

χ^2/NDF : 100967733.5/8

Left In: -1467.994+/-0.000

χ^2/NDF : 144928395026360817695869370368.0/21

Left: 9.035+/-0.000 χ^2/NDF : 772785886137420152

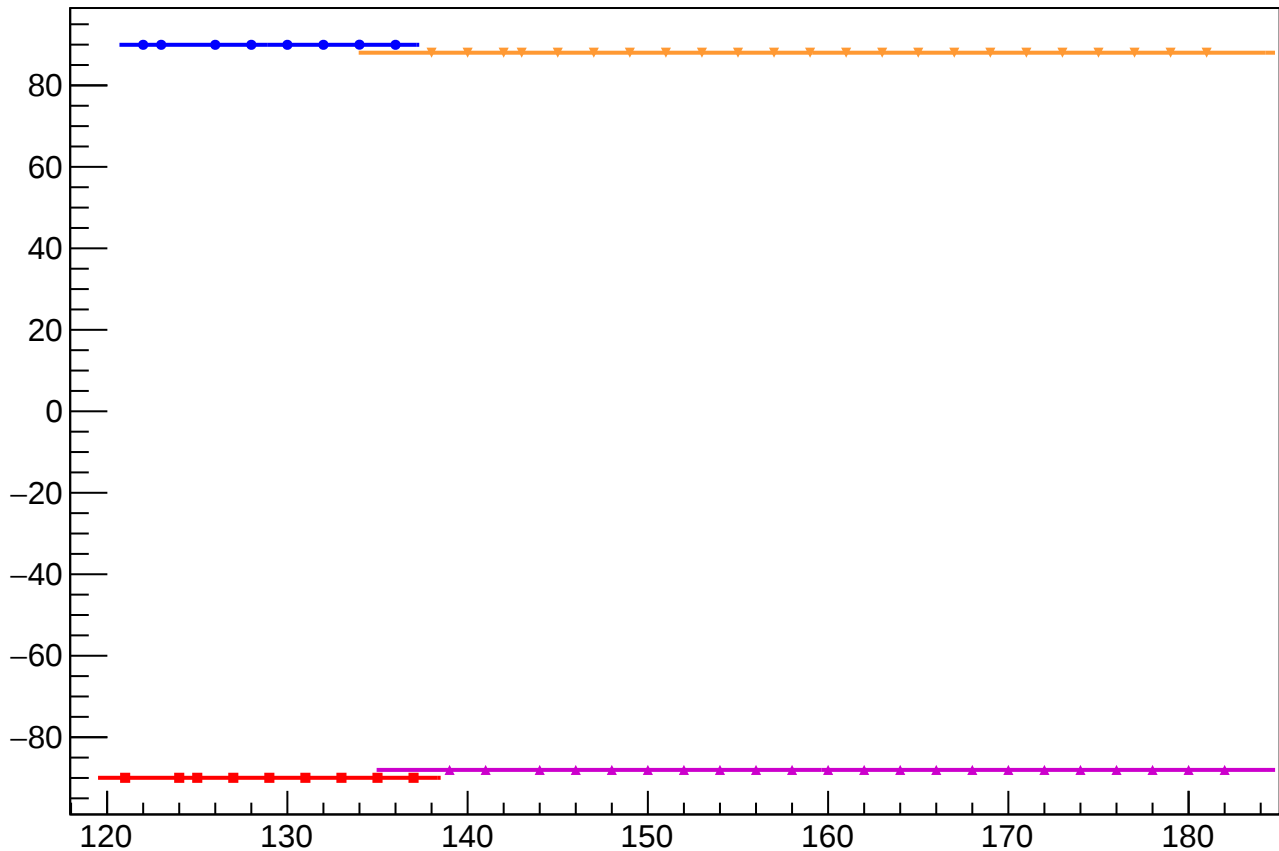
Right: 49.231+/-0.000 χ^2/NDF : 1412065927358356

In: -998.736+/-0.000 χ^2/NDF : 2455109229418787

Out: 1029.238+/-0.000 χ^2/NDF : 232421415018494

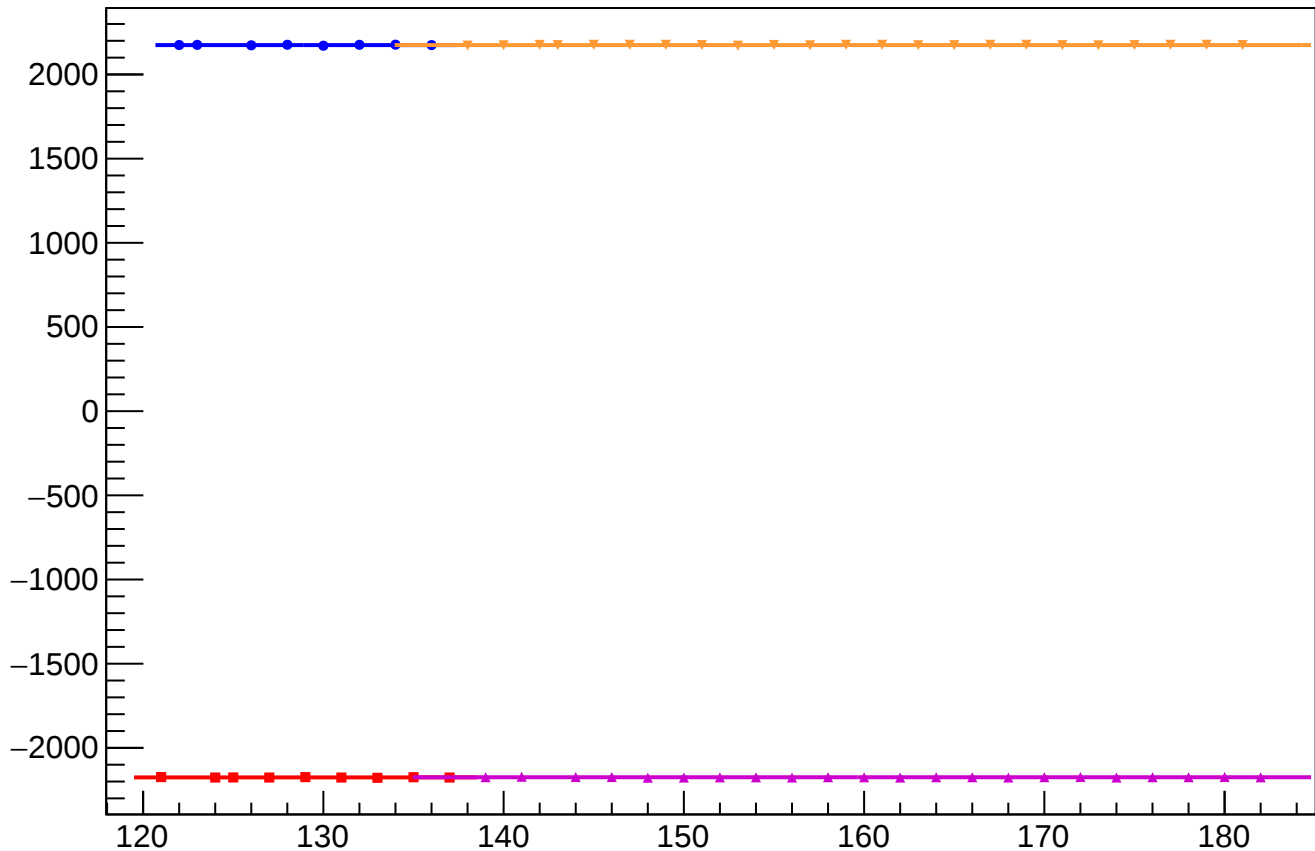
All: 15.251+/-0.000 χ^2/NDF : 9140820799003

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.961+/-0.000	χ^2/NDF : 21516176742595877338351665152.0/7	Left: 0.540+/-0.000	χ^2/NDF : 277820063302227585
Left Out: 88.021+/-0.000	χ^2/NDF : 7226925.1/22	Right: 3.018+/-0.000	χ^2/NDF : 53029447501590671
Right Out: -89.959+/-0.000	χ^2/NDF : 437824.1/8	In: -59.574+/-0.000	χ^2/NDF : 90223386996247339
Left In: -88.021+/-0.000	χ^2/NDF : 5609722.4/21	Out: 61.420+/-0.000	χ^2/NDF : 85407799342702330
		All: 0.923+/-0.000	χ^2/NDF : 33088356255954

HALLA_p_mean vs Slug, Sign Corrected



Left: 13.389 +/- 0.000 χ^2/NDF : 16956528703701080

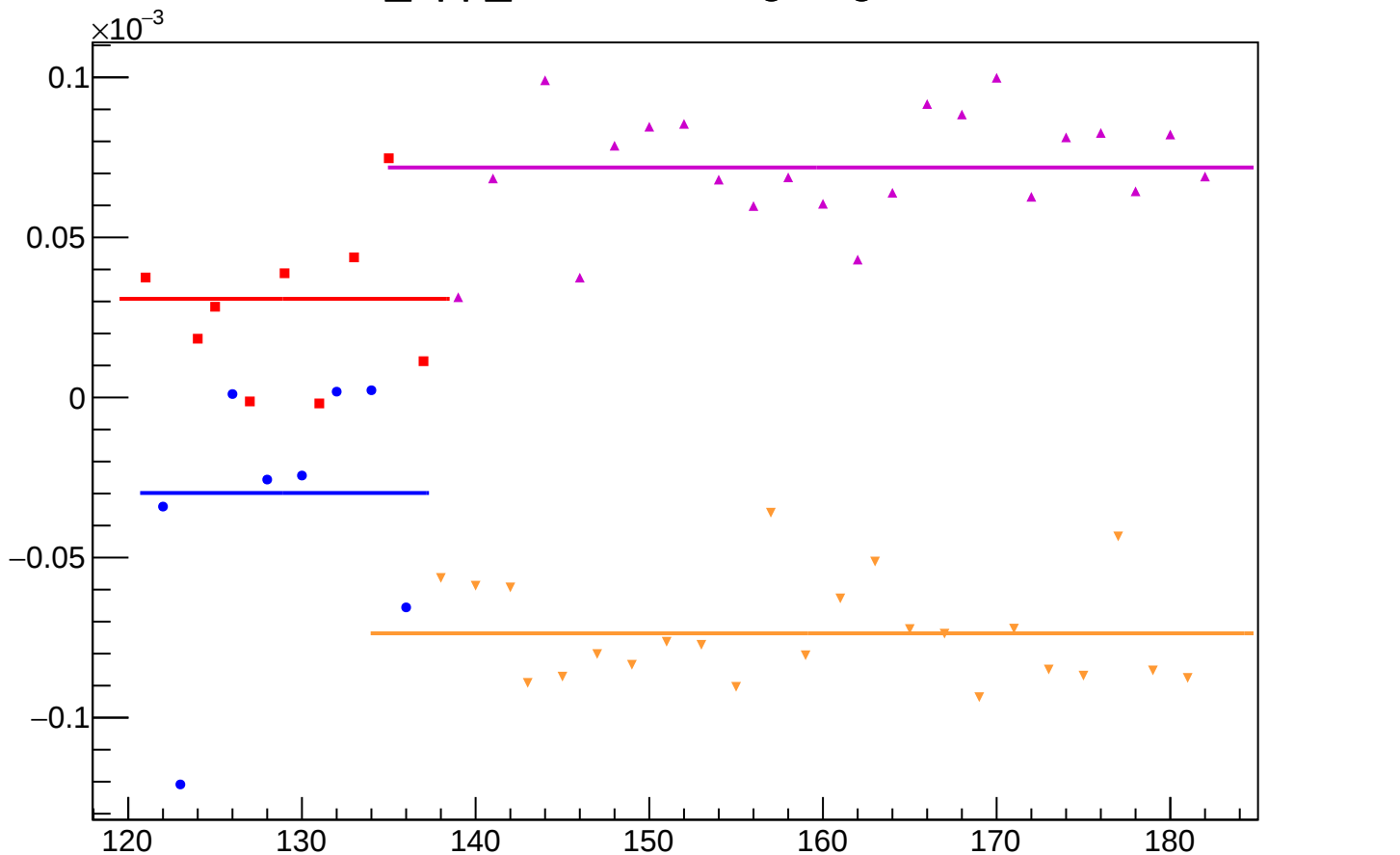
Right: 72.477 +/- 0.000 χ^2/NDF : 3099723427009127

In: -1479.407 +/- 0.000 χ^2/NDF : 538703718952052

Out: 1524.460 +/- 0.000 χ^2/NDF : 510203053910574

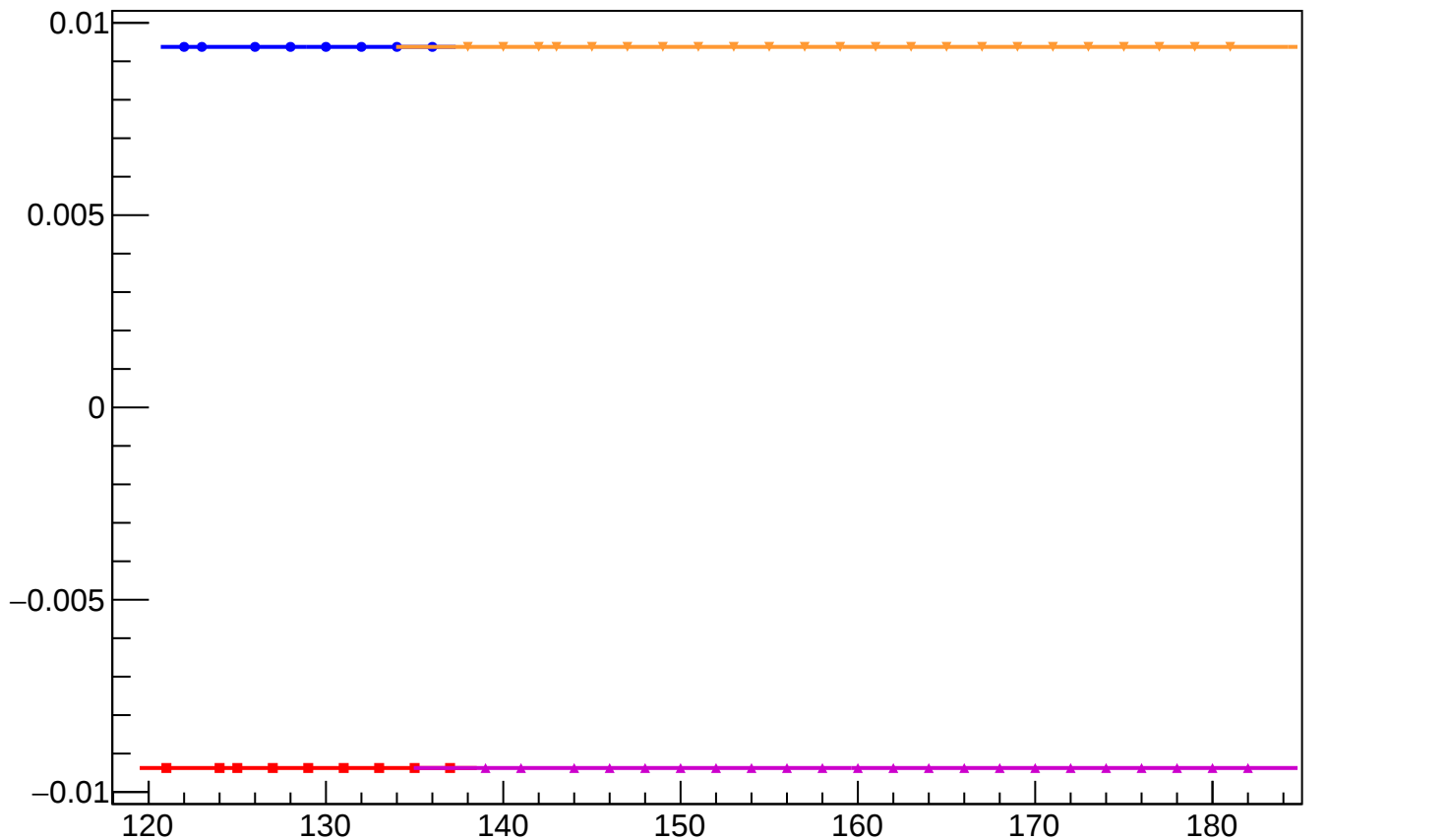
All: 22.526 +/- 0.000 χ^2/NDF : 2005818829436

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000	χ^2/NDF : 248631969637472403456000.0/7	Left: -0.000+/-0.000	χ^2/NDF : 19983563129070789
Left Out: -0.000+/-0.000	χ^2/NDF : 444687100538260662779904.0/22	Right: -0.000+/-0.000	χ^2/NDF : 1046788668707328
Right Out: 0.000+/-0.000	χ^2/NDF : 195498158247260480077824.0/8	In: 0.000+/-0.000	χ^2/NDF : 3751802415993420576
Left In: 0.000+/-0.000	χ^2/NDF : 559100581311803738292224.0/21	Out: -0.000+/-0.000	χ^2/NDF : 35839333874824309
		All: -0.000+/-0.000	χ^2/NDF : 2103074242669

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: -0.009 $\pm$ 0.000 χ^2 /NDF:0.1/21

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 315163918711655530

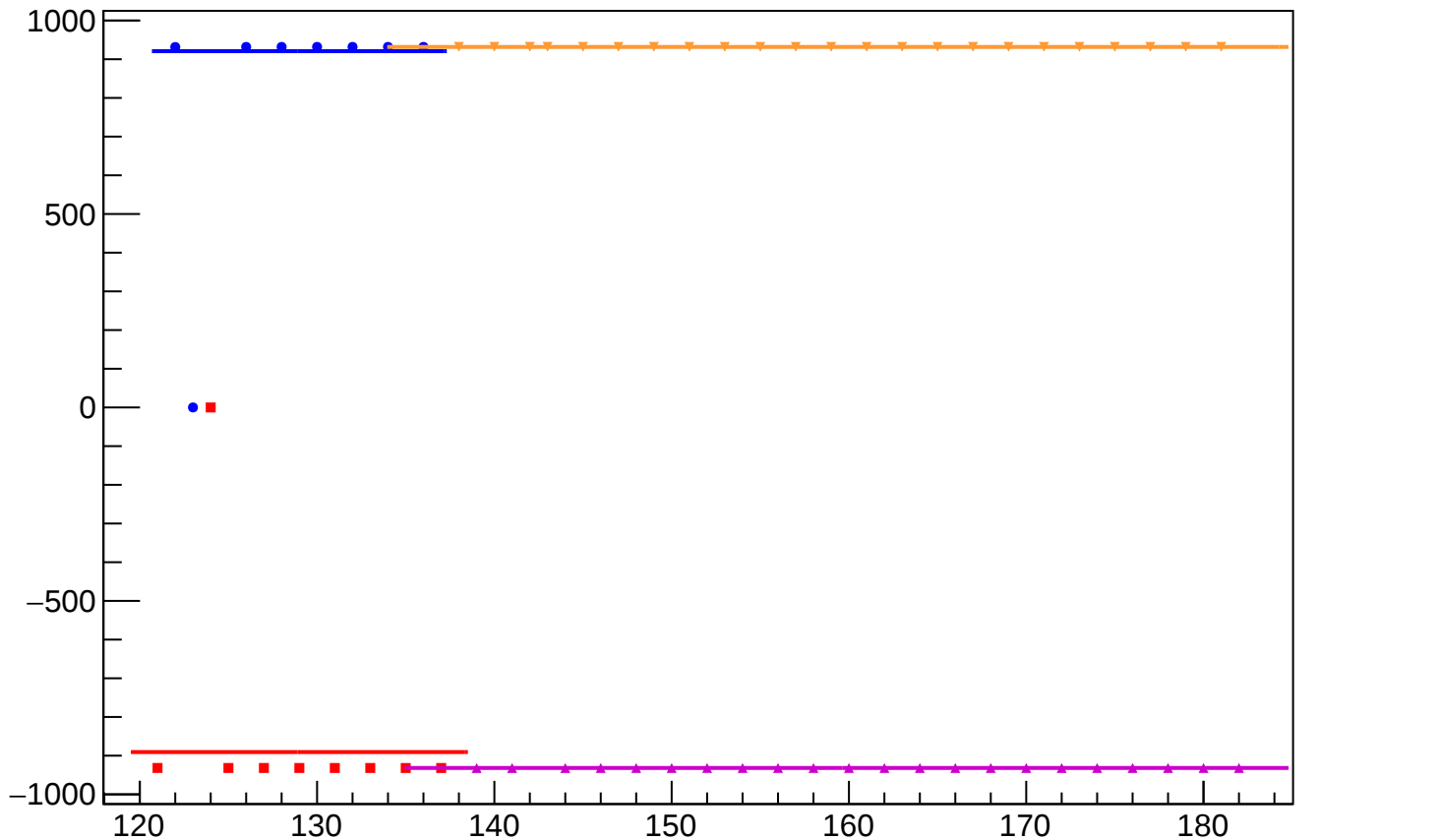
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 57591403868140194

In: -0.006 $\pm$ 0.000 χ^2 /NDF:100131166018387313

Out: 0.007 $\pm$ 0.000 χ^2 /NDF:947889409476659885

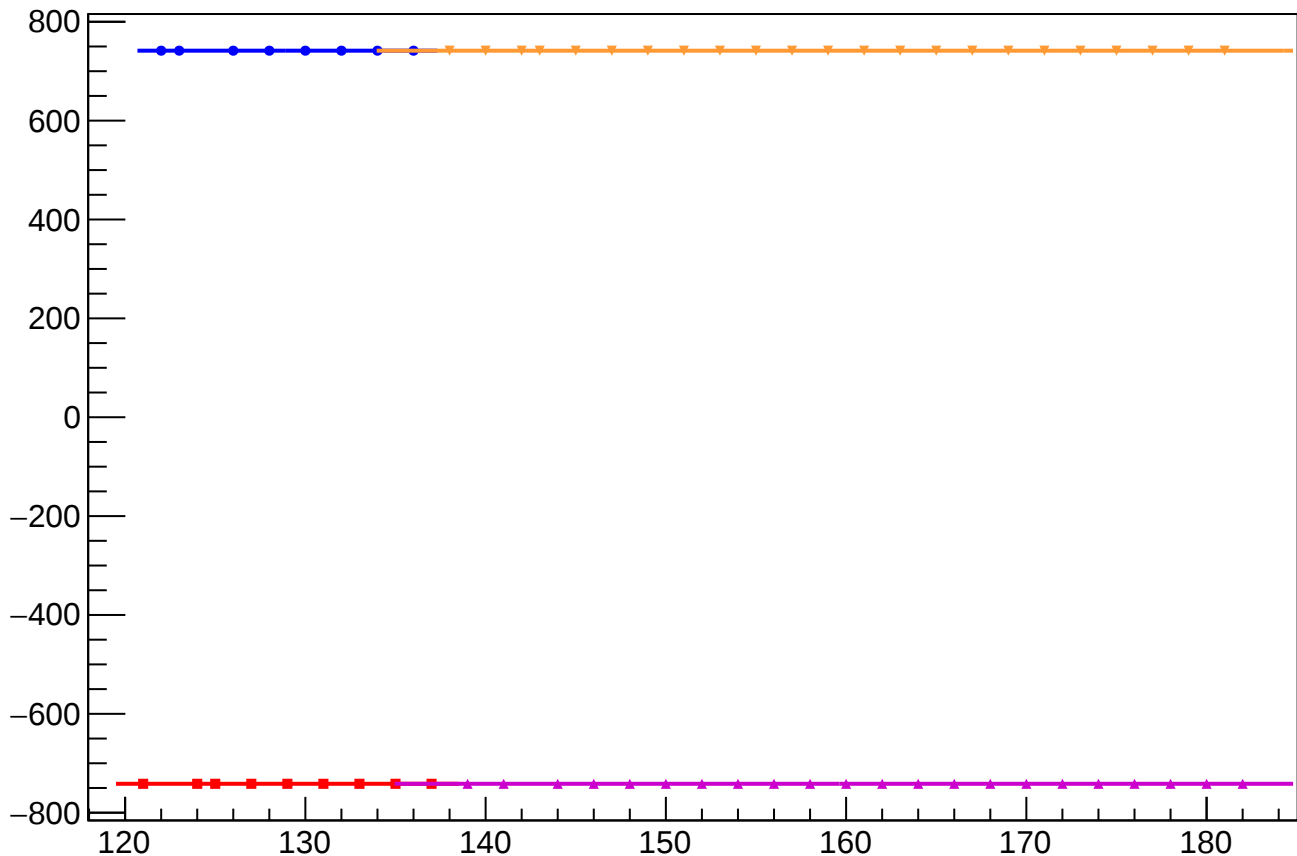
All: 0.000 $\pm$ 0.000 χ^2 /NDF: 37279191897984

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



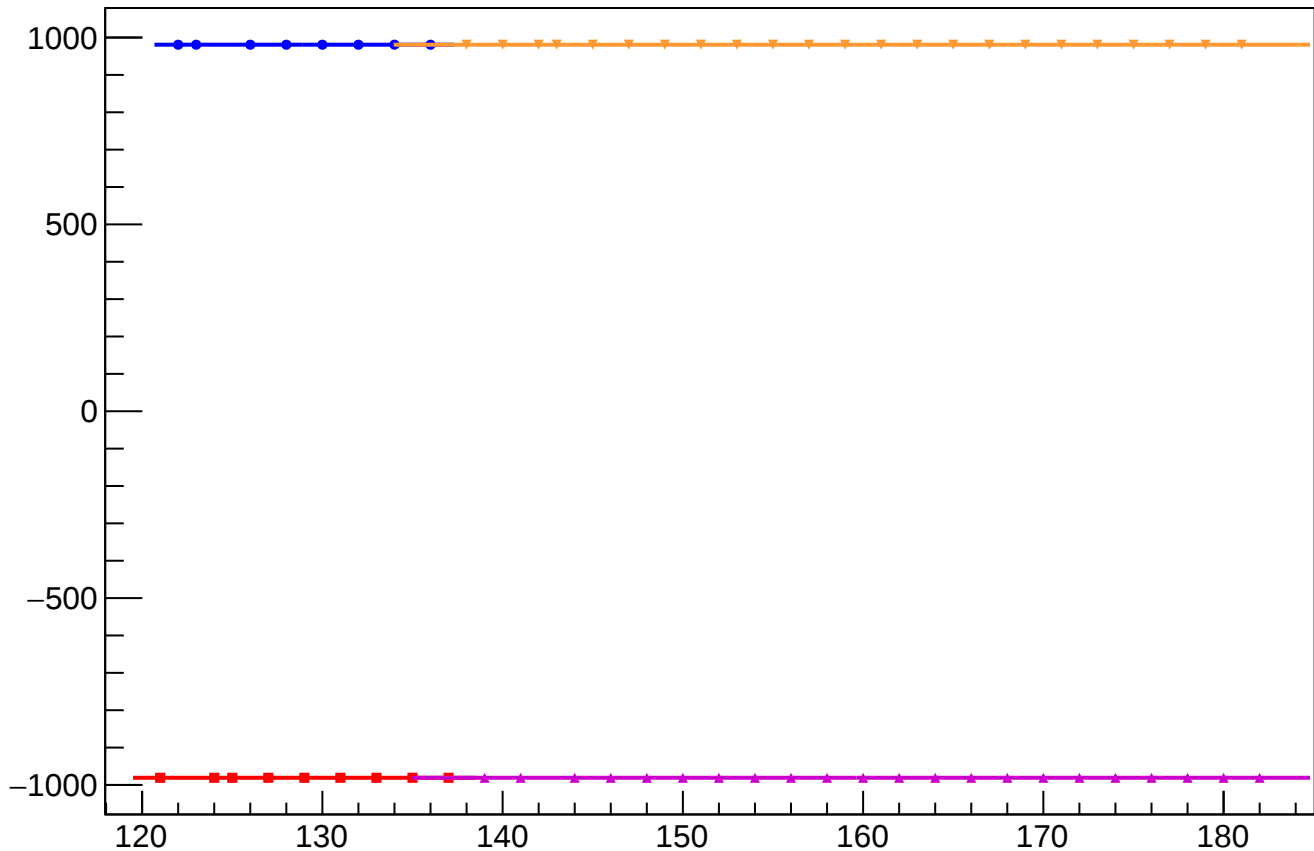
Right In: 920.801+/-0.000 χ^2/NDF : 3431767977579138653856652958525030400.0/7
 Left Out: 931.785+/-0.000 χ^2/NDF : 3896527886356117945993347989504.0/22
 Right Out: -890.665+/-0.000 χ^2/NDF : 11618305184314211867640193192732655616.0/8
 Left In: -931.778+/-0.000 χ^2/NDF : 3550659655545080952597568815104.0/21
 All: 11.863+/-0.000 χ^2/NDF : 3666780136501

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



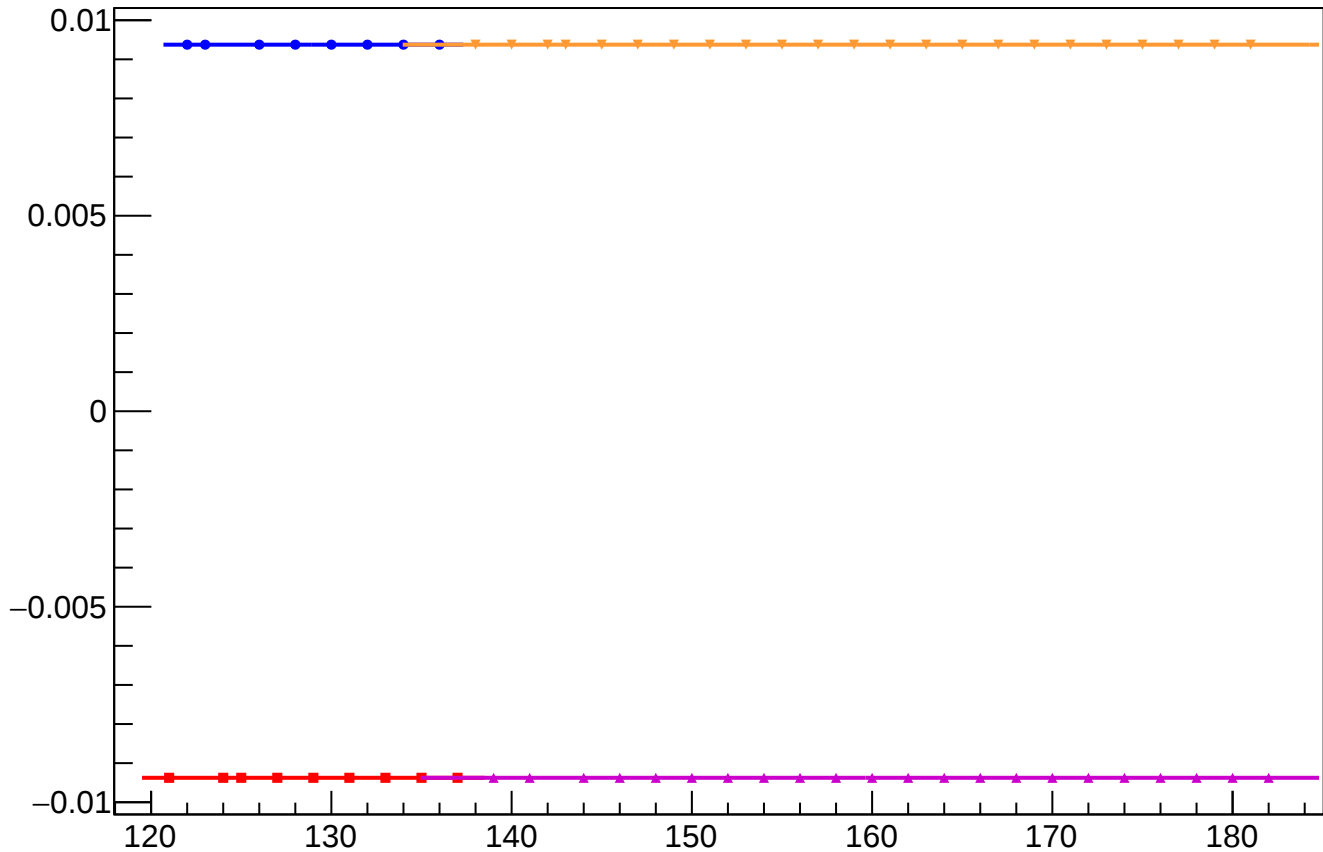
Right In: 741.528+/-0.000 χ^2/NDF : 18410222451199973732634329088.0/7
 Left Out: 741.512+/-0.000 χ^2/NDF : 222017077980596871151436693504.0/22
 Right Out: -741.528+/-0.000 χ^2/NDF : 16449370370749481853797793792.0/8
 Left In: -741.512+/-0.000 χ^2/NDF : 197522272784410263153113300992.0/21
 All: 7.692+/-0.000 χ^2/NDF : 23321867837932

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825+/-0.000 χ^2/NDF : 159096869175585744562040078336.0/7
 Left Out: 980.768+/-0.000 χ^2/NDF : 702635321802101827553841905664.0/22
 Right Out: -980.818+/-0.000 χ^2/NDF : 143449983287257544108372131840.0/8
 Left In: -980.774+/-0.000 χ^2/NDF : 1438074427204755756999126286336.0/21
 All: 10.171+/-0.000 χ^2/NDF : 4080052797178

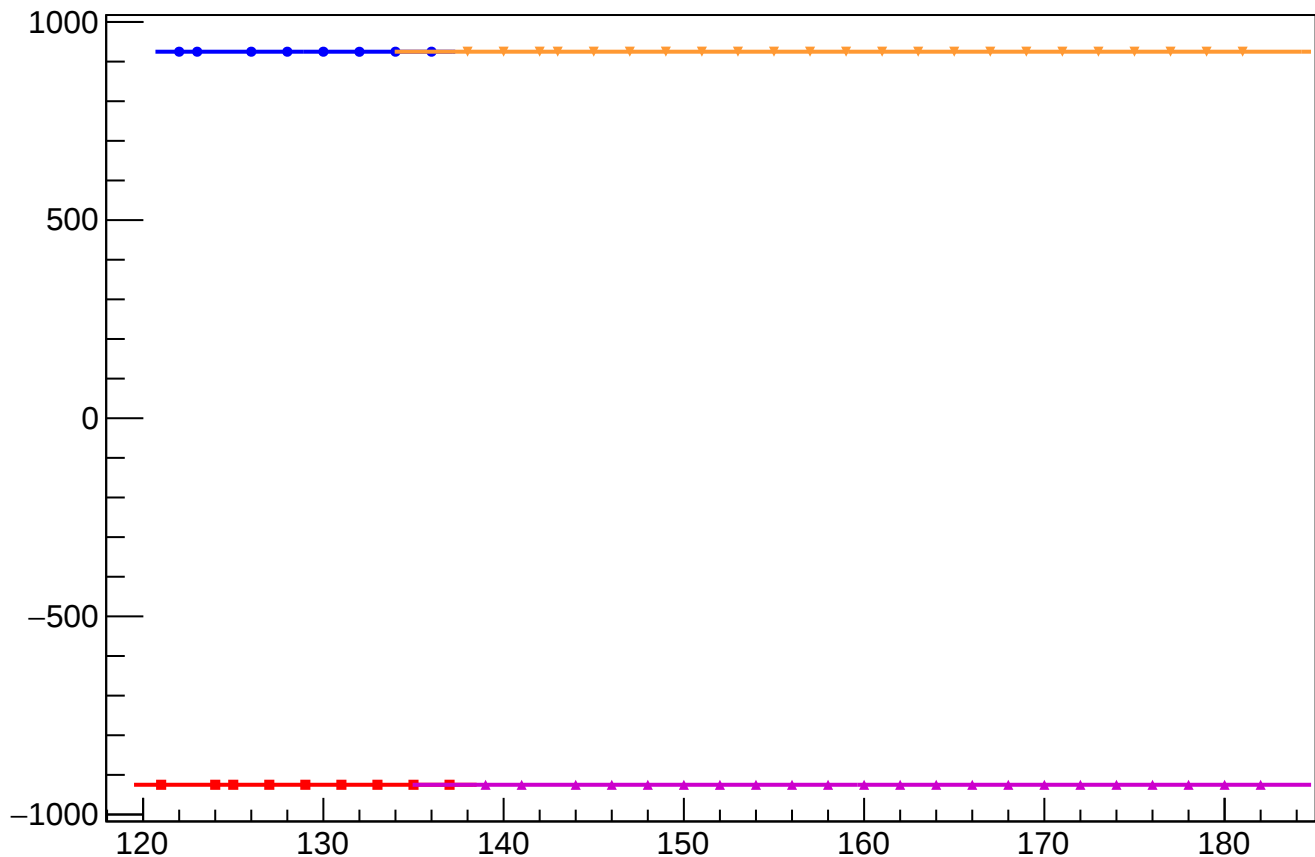
MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7
 Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22
 Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8
 Left In: -0.009 $\pm$ 0.000 χ^2 /NDF:0.1/21

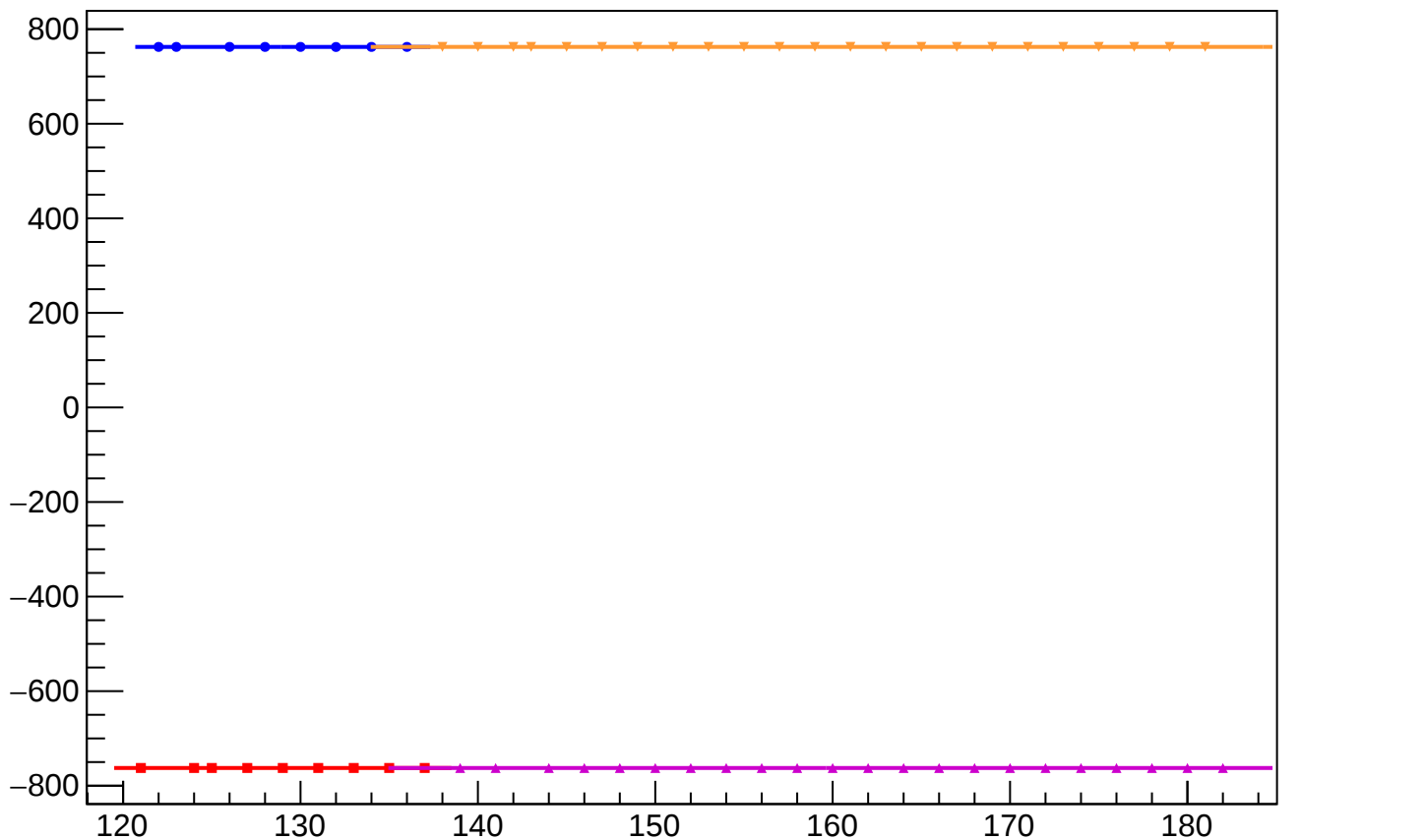
Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 315163918711655530
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 57591403868140194
 In: -0.006 $\pm$ 0.000 χ^2 /NDF:100131166018387313
 Out: 0.007 $\pm$ 0.000 χ^2 /NDF:947889409476659885
 All: 0.000 $\pm$ 0.000 χ^2 /NDF: 37279191897984

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



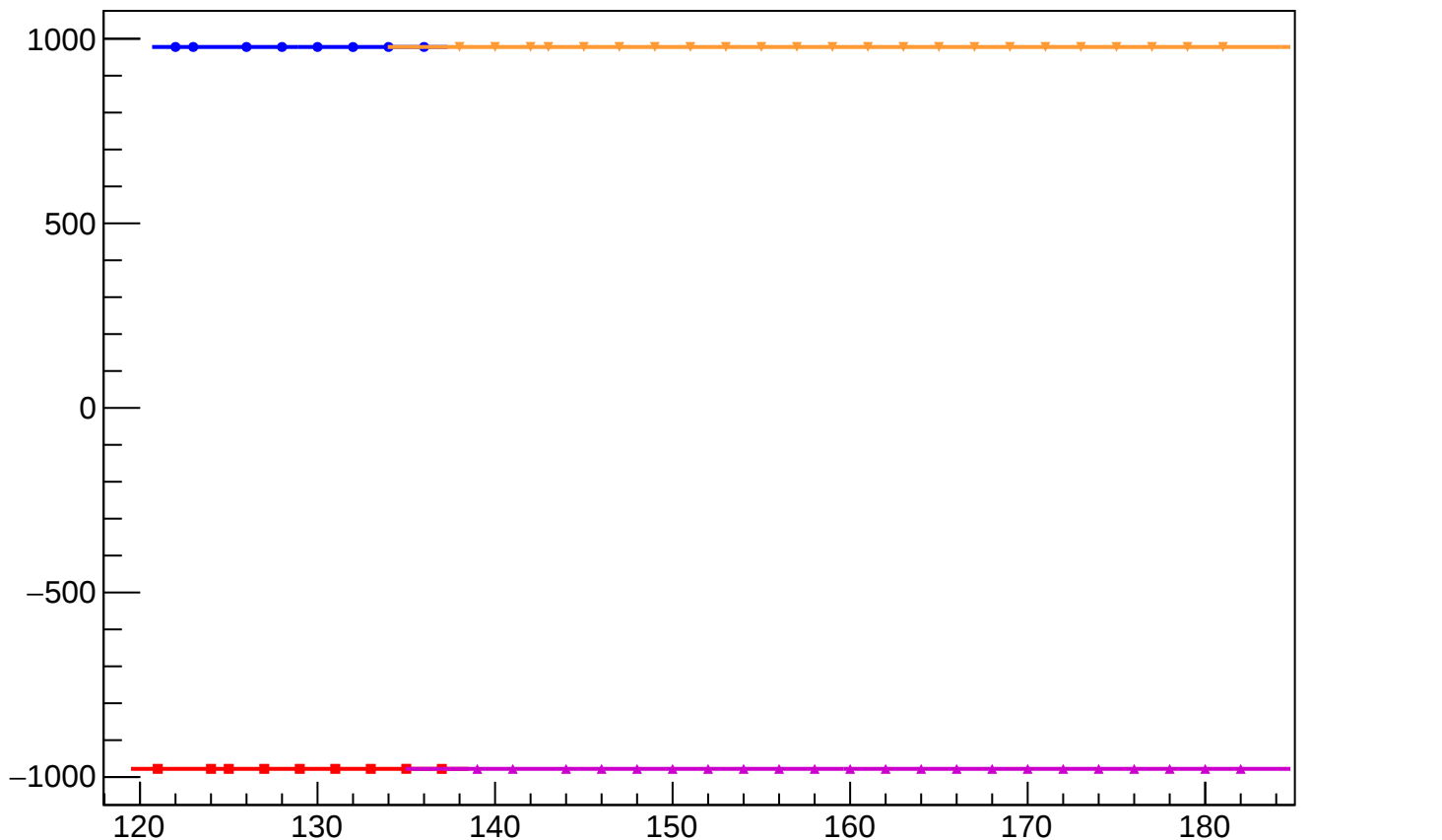
Right In: 924.939+/-0.000	χ^2/NDF : 1401388477255469733232112566272.0/7	Left: 5.674+/-0.000	χ^2/NDF : 306803416675375087
Left Out: 924.981+/-0.000	χ^2/NDF : 972138320077189983818334863360.0/22	Right: 31.011+/-0.000	χ^2/NDF : 5605960031518534
Right Out: -924.957+/-0.000	χ^2/NDF : 71753961121998015100639772672.0/8	In: -629.309+/-0.000	χ^2/NDF : 9747053424277778
Left In: -924.982+/-0.000	χ^2/NDF : 828759062858597635621172281344.0/21	Out: 648.493+/-0.000	χ^2/NDF : 9227193545867728
	All: 9.592+/-0.000		χ^2/NDF : 36289861582640

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



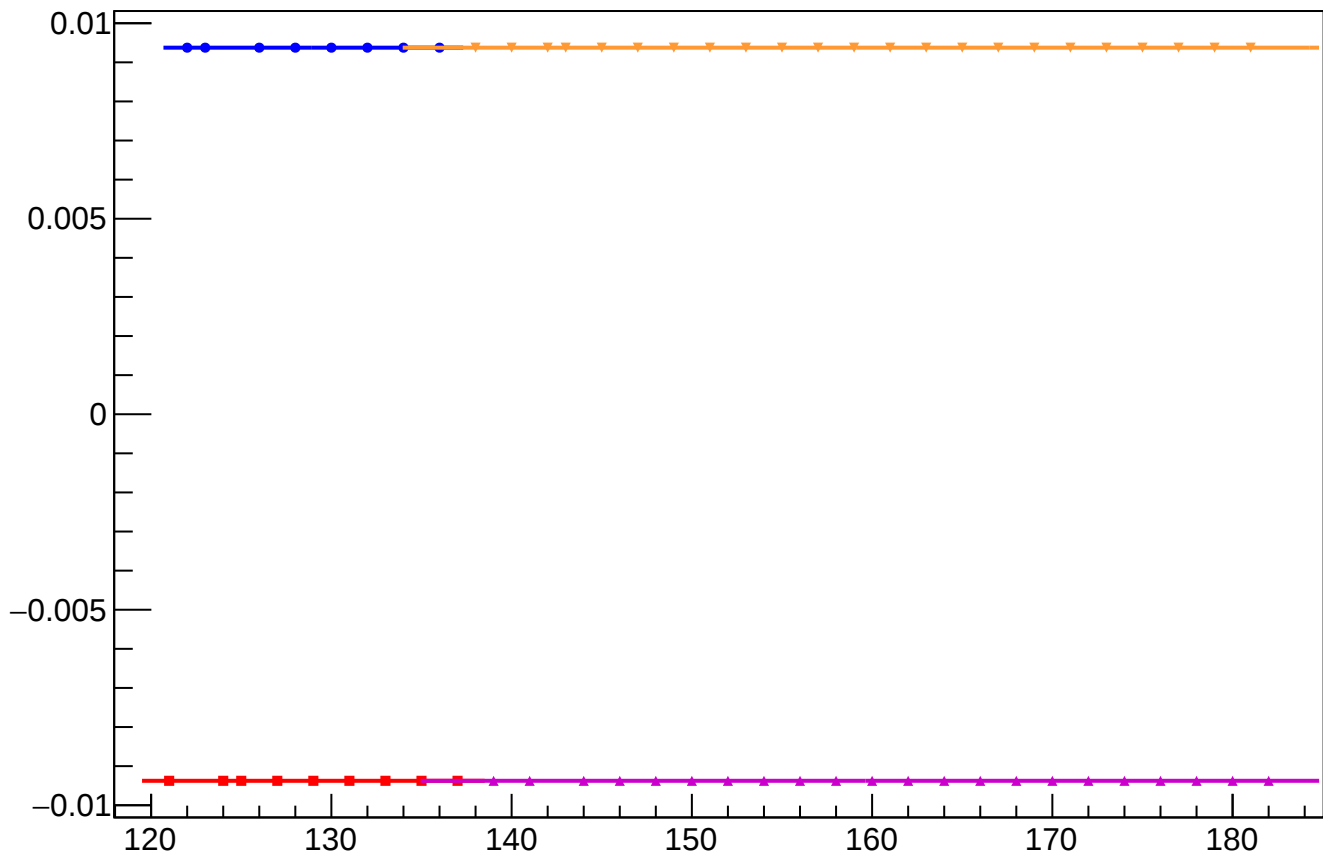
Right In: 762.483+/-0.000 χ^2/NDF : 783456713793632421311688998912.0/7
 Left Out: 762.518+/-0.000 χ^2/NDF : 692173172739850675899787640832.0/22
 Right Out: -762.501+/-0.000 χ^2/NDF : 468364983766916667715616768.0/8
 Left In: -762.519+/-0.000 χ^2/NDF : 621006392422015159570760990720.0/21
 All: 7.907+/-0.000 χ^2/NDF : 24661518639122

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741 ± 0.000 $\chi^2/\text{NDF}: 1738037233029946574744730992640.0/7$
 Left Out: 977.737 ± 0.000 $\chi^2/\text{NDF}: 1148908166747194577827334717440.0/22$
 Right Out: -977.737 ± 0.000 $\chi^2/\text{NDF}: 771953144544759396277170470912.0/8$
 Left In: -977.735 ± 0.000 $\chi^2/\text{NDF}: 975612892317024195893811740672.0/21$
 All: 10.143 ± 0.000 $\chi^2/\text{NDF}: 405478269566$

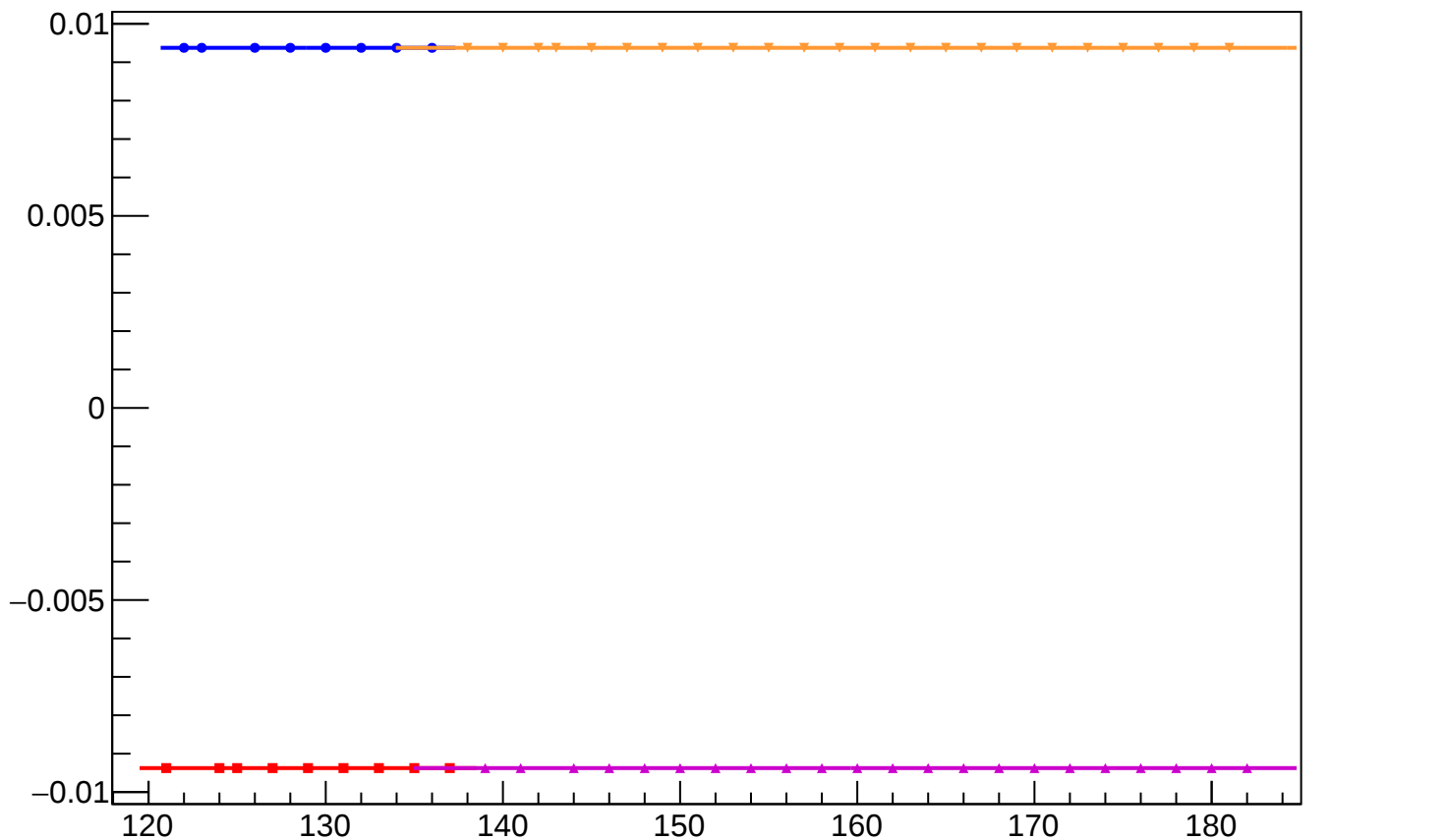
hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/7
 Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.1/22
 Right Out: -0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8
 Left In: -0.009 $\pm$ 0.000 χ^2/NDF : 0.1/21

Left: 0.000 $\pm$ 0.000 χ^2/NDF : 315163918711655530
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 57591403868140194
 In: -0.006 $\pm$ 0.000 χ^2/NDF : 100131166018387313
 Out: 0.007 $\pm$ 0.000 χ^2/NDF : 947889409476659885
 All: 0.000 $\pm$ 0.000 χ^2/NDF : 37279191897984

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/22

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.1/21

Left: 0.000+/-0.000 χ^2/NDF : 315163918711655530

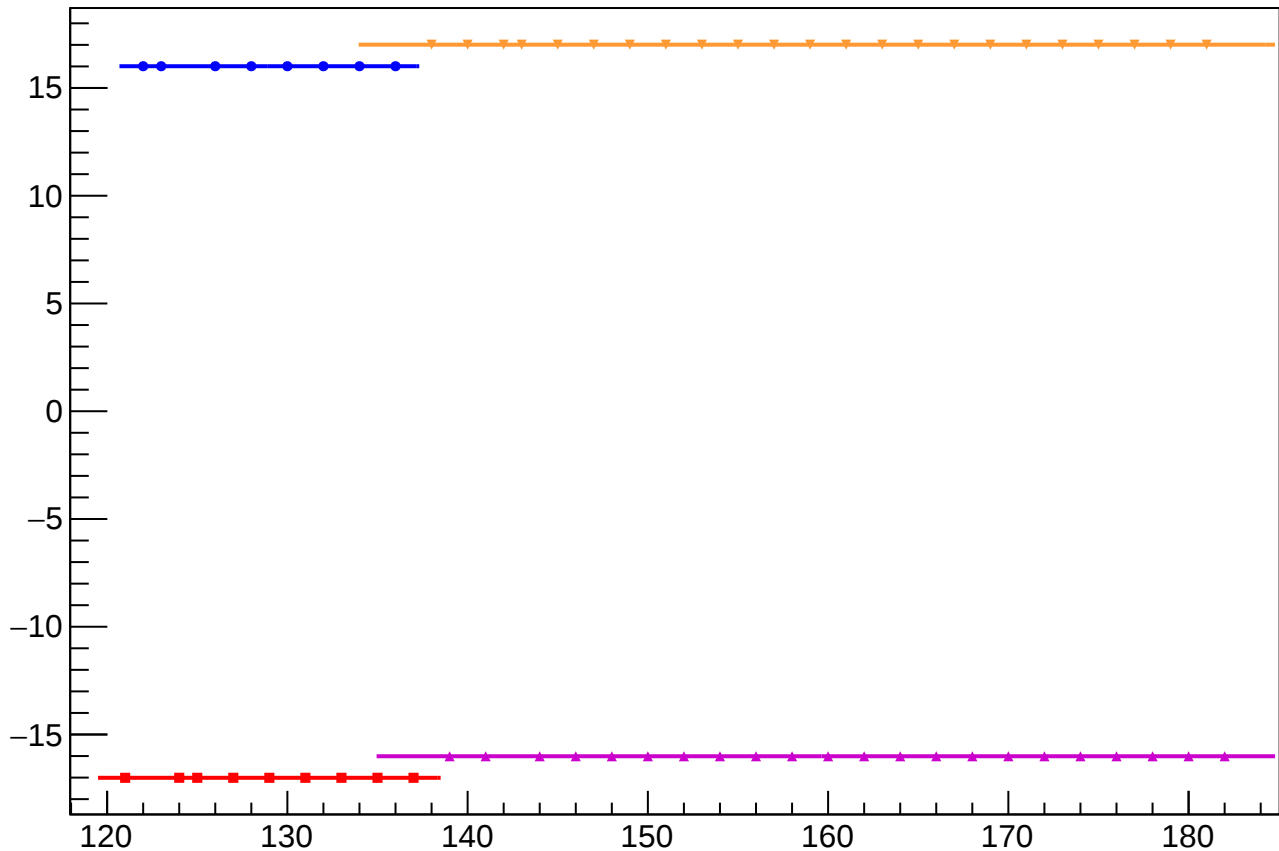
Right: 0.000+/-0.000 χ^2/NDF : 57591403868140194

In: -0.006+/-0.000 χ^2/NDF : 100131166018387313

Out: 0.007+/-0.000 χ^2/NDF : 947889409476659885

All: 0.000+/-0.000 χ^2/NDF : 37279191897984

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF : 27843.6/7

Left Out: 17.009+/-0.000 χ^2/NDF : 24991617446194199509598208.0/22

Right Out: -17.009+/-0.000 χ^2/NDF : 8315422616570068268482560.0/8

Left In: -16.009+/-0.000 χ^2/NDF : 127871437630070721609728.0/21

Left: 0.574+/-0.000 χ^2/NDF : 905690168093631200

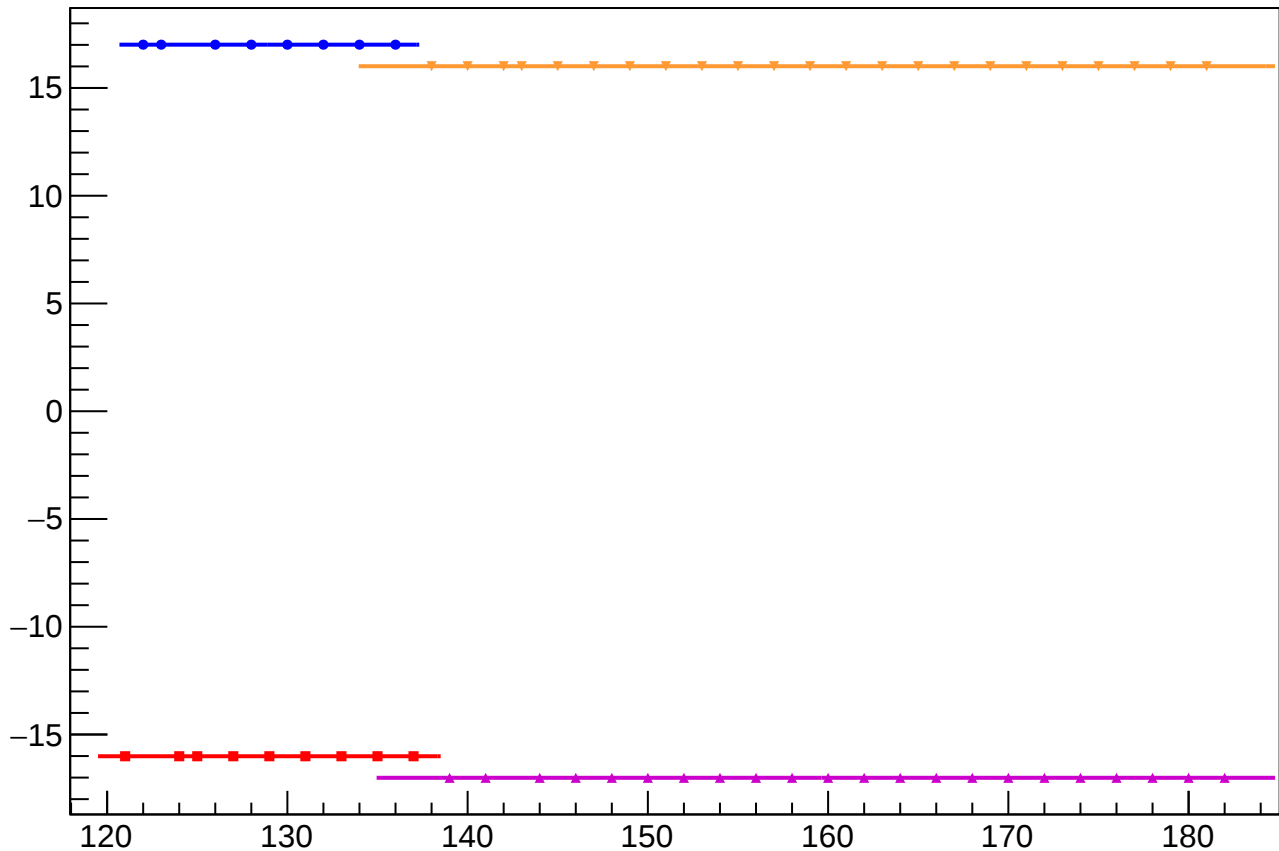
Right: -0.177+/-0.000 χ^2/NDF : 1672862198827261

In: -10.914+/-0.000 χ^2/NDF : 26982623780792264

Out: 11.812+/-0.000 χ^2/NDF : 29511202039051211

All: 0.457+/-0.000 χ^2/NDF : 10732692544373

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 82003.7/7

Left Out: 16.009+/-0.000 χ^2/NDF : 87481.5/22

Right Out: -16.009+/-0.000 χ^2/NDF : 18844.3/8

Left In: -17.009+/-0.000 χ^2/NDF : 114941150137387948441600.0/21

Left: -0.298+/-0.000 χ^2/NDF : 95844823326666245

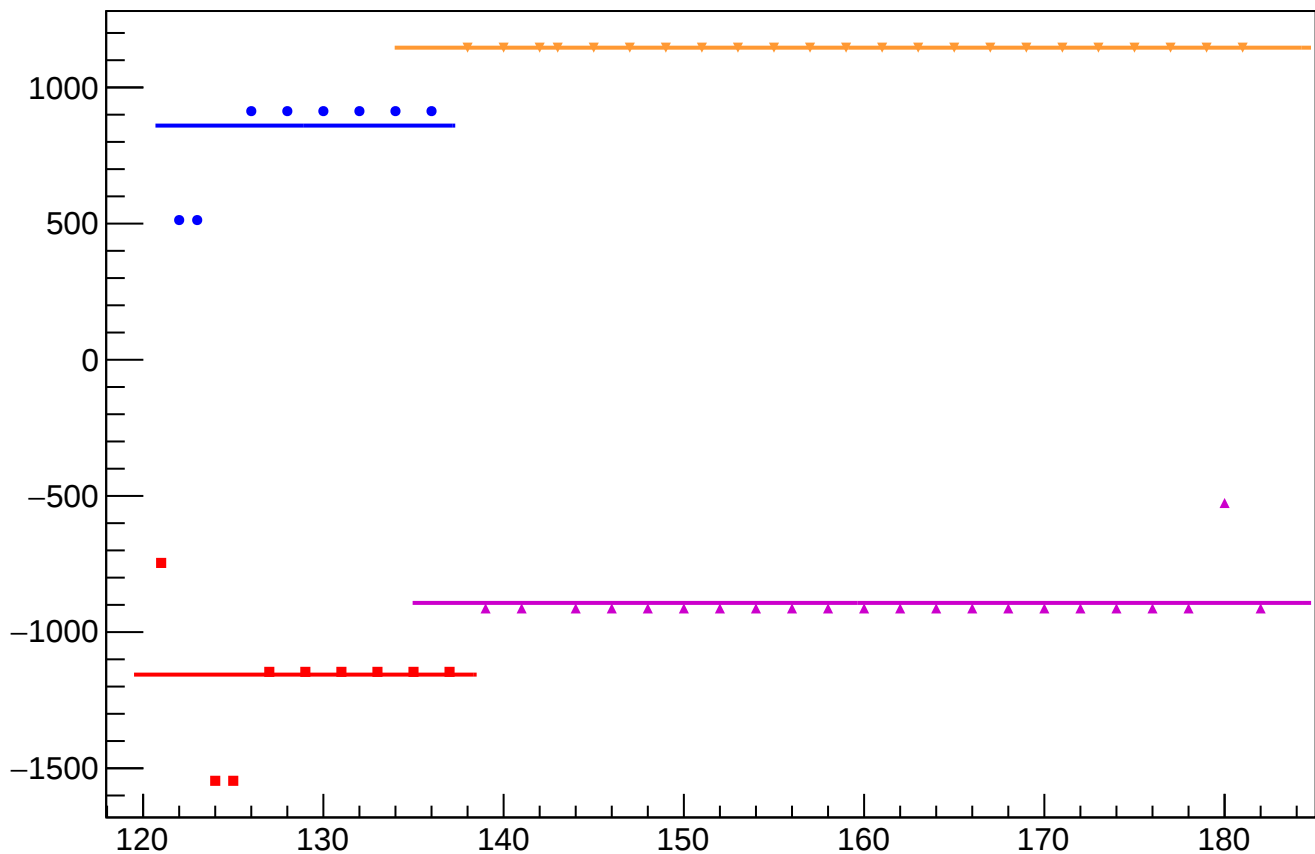
Right: 1.054+/-0.000 χ^2/NDF : 17859791195497110

In: -11.454+/-0.000 χ^2/NDF : 32825309140805889

Out: 11.169+/-0.000 χ^2/NDF : 27586053904275488

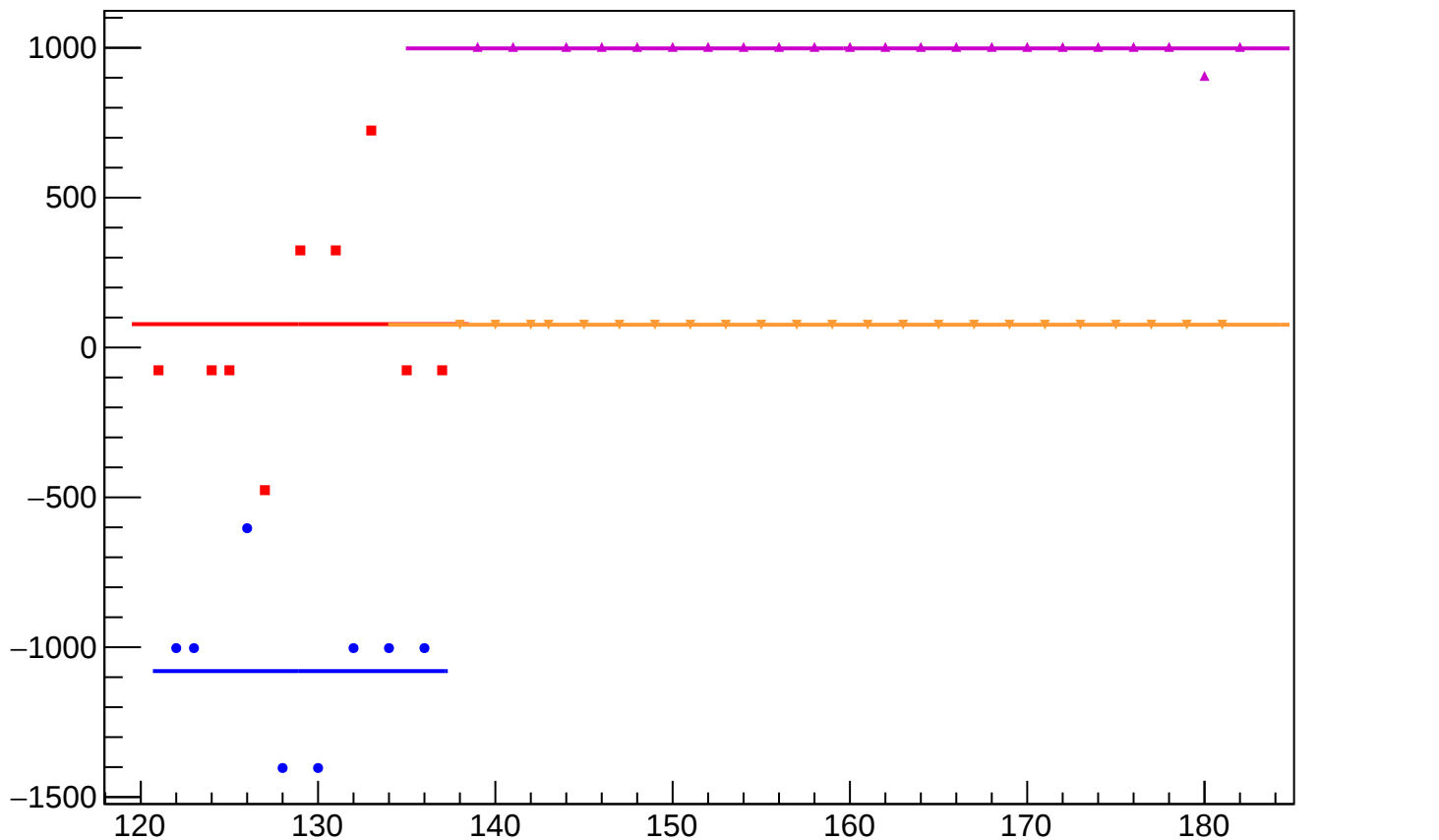
All: -0.086+/-0.000 χ^2/NDF : 1138056477784

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 132.863+/-0.000 χ^2/NDF : 373956890740994
 Right In: 859.895+/-0.000 χ^2/NDF : 6244310211396691746388505873258381312.0/7
 Left Out: 1146.011+/-0.000 χ^2/NDF : 5880802141777920004647288832.0/22
 Right Out: -1156.104+/-0.000 χ^2/NDF : 13728364455898441296418095102599102464.0/8
 Left In: -892.793+/-0.000 χ^2/NDF : 13208182183520338072817138928218800128.0/21
 All: 94.641+/-0.000 χ^2/NDF : 4459206914204

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1079.685 ± 0.000 $\chi^2/\text{NDF}: 21205581541739378673536668219320827904.0/7$
 Left Out: 76.011 ± 0.000 $\chi^2/\text{NDF}: 10464253562704888076838109184.0/22$
 Right Out: 77.935 ± 0.000 $\chi^2/\text{NDF}: 39527049815762816873616890415412150272.0/8$
 Left In: 997.939 ± 0.000 $\chi^2/\text{NDF}: 825503632536804257678726132007960576.0/21$
 All: 371.085 ± 0.000 $\chi^2/\text{NDF}: 165960690703$